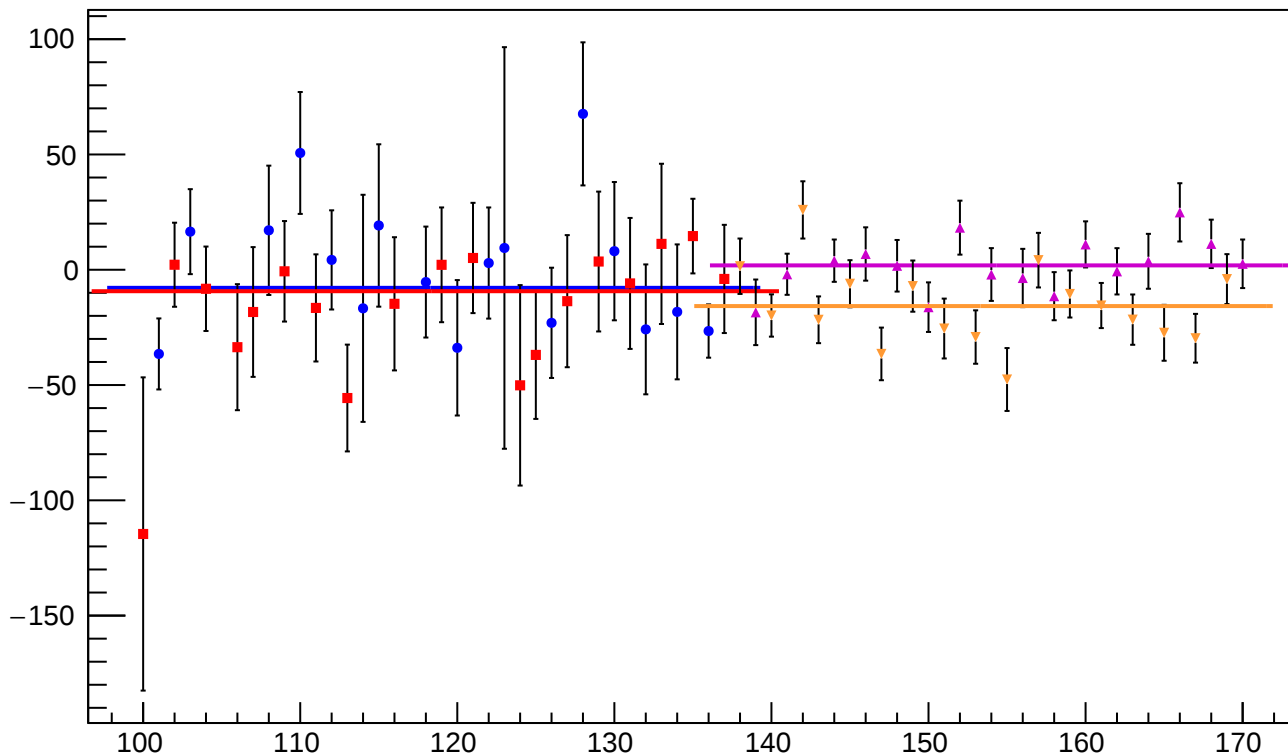


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -15.754 ± 2.682

χ^2/NDF : 33.3/16

Right Out: -9.309 ± 5.677

χ^2/NDF : 13.2/18

Left In: 1.892 ± 2.719

χ^2/NDF : 14.2/15

+ sign -14.281 ± 2.420

χ^2/NDF : 57.5/33

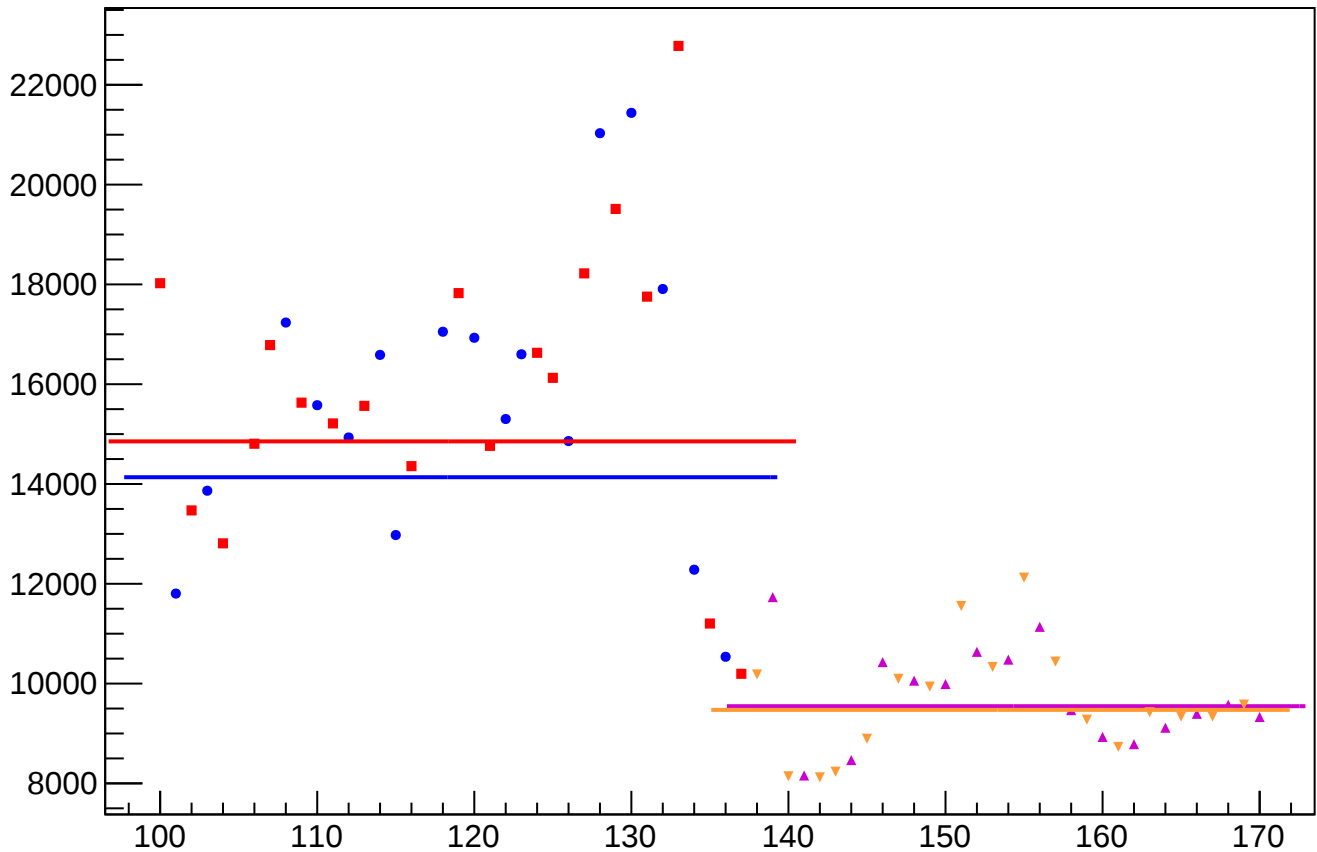
All: -7.335 ± 1.723

χ^2/NDF : 104.9/68

- sign -0.199 ± 2.453

χ^2/NDF : 30.6/34

diff_bpm4aX_rms vs Slug



Right In: 14135.800+/-3.966 χ^2/NDF : 597179.4/16

Left Out: 9472.862+/-1.897 χ^2/NDF : 282948.4/16

Right Out: 14854.033+/-4.014 χ^2/NDF : 472017.6/18

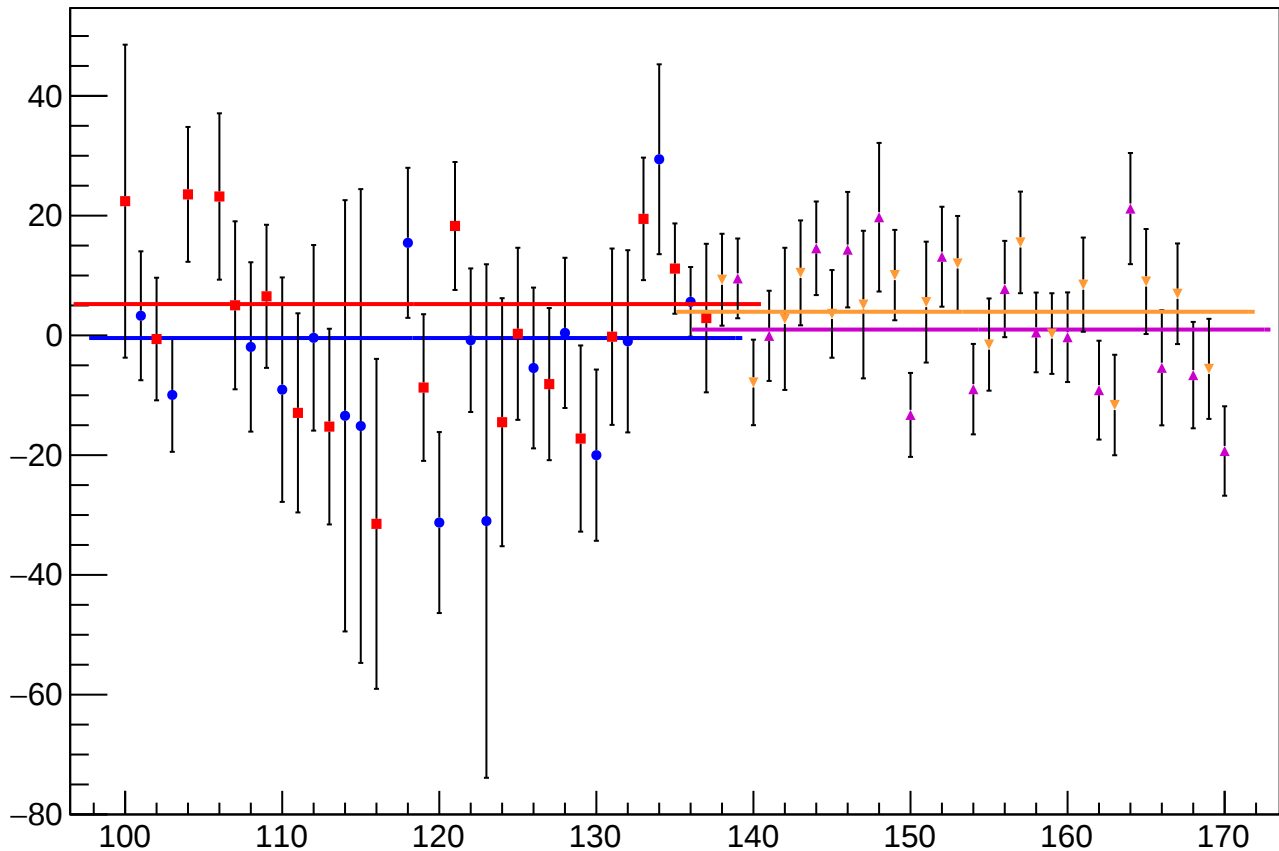
Left In: 9546.708+/-1.923 χ^2/NDF : 227953.5/15

+ sign 10340.947+/-1.711 χ^2/NDF : 2005300.9/33

All: 10437.763+/-1.218 χ^2/NDF : 4133433.0/6

- sign 10537.221+/-1.734 χ^2/NDF : 2121641.6/34

diff_bpm4aY_mean vs Slug



Right In: -0.441 ± 3.071 χ^2/NDF : 14.5/16

Left Out: 3.948 ± 2.001 χ^2/NDF : 13.7/16

Right Out: 5.229 ± 2.936 χ^2/NDF : 19.4/18

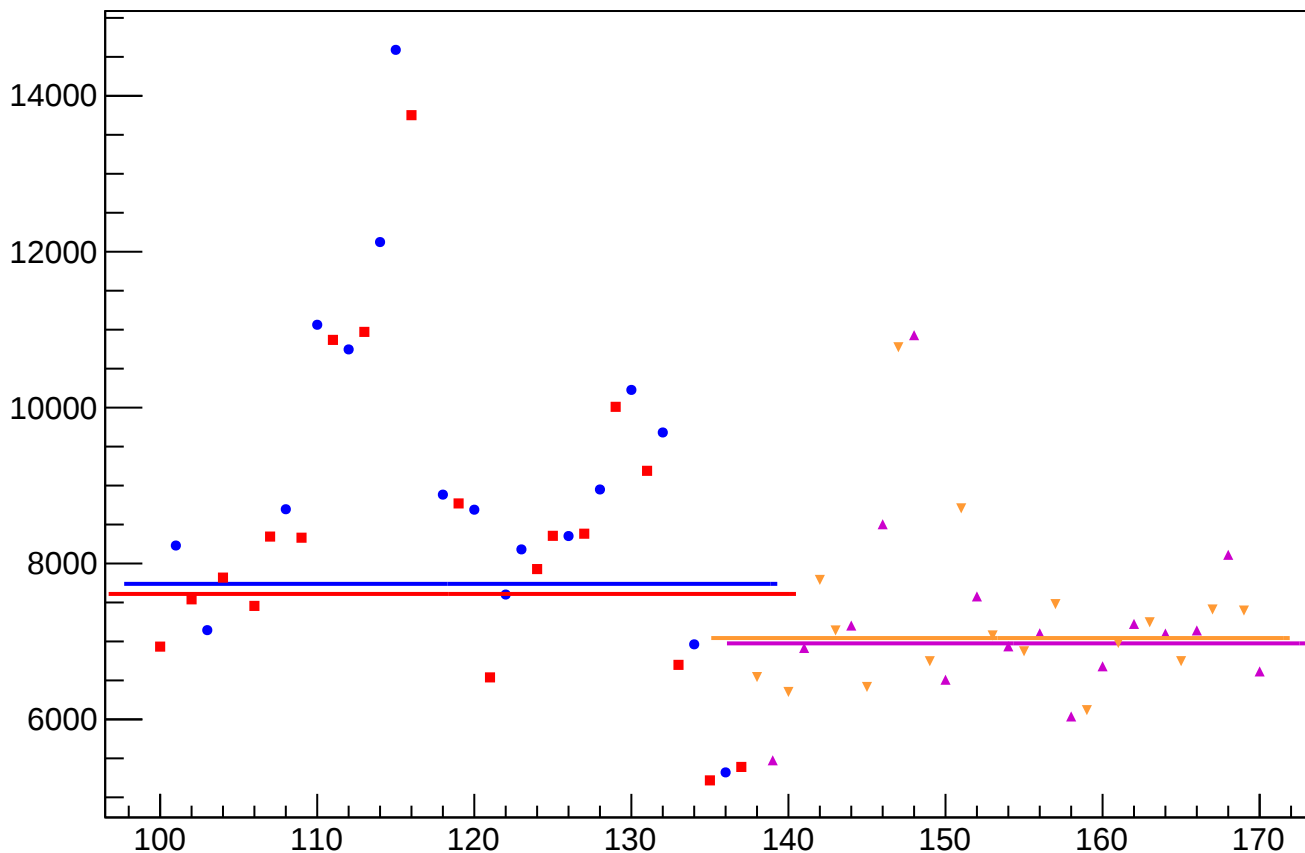
Left In: 0.974 ± 2.002 χ^2/NDF : 32.4/15

+ sign 2.640 ± 1.676 χ^2/NDF : 29.7/33

All: 2.480 ± 1.177 χ^2/NDF : 82.9/68

- sign 2.325 ± 1.654 χ^2/NDF : 53.2/34

diff_bpm4aY_rms vs Slug



Right In: 7738.886 $\pm$ 2.172 χ^2 /NDF: 740836.7/16

Left Out: 7043.665 $\pm$ 1.415 χ^2 /NDF:345772.2/16

Right Out: 7609.531 $\pm$ 2.076 χ^2 /NDF: 679180.7/18

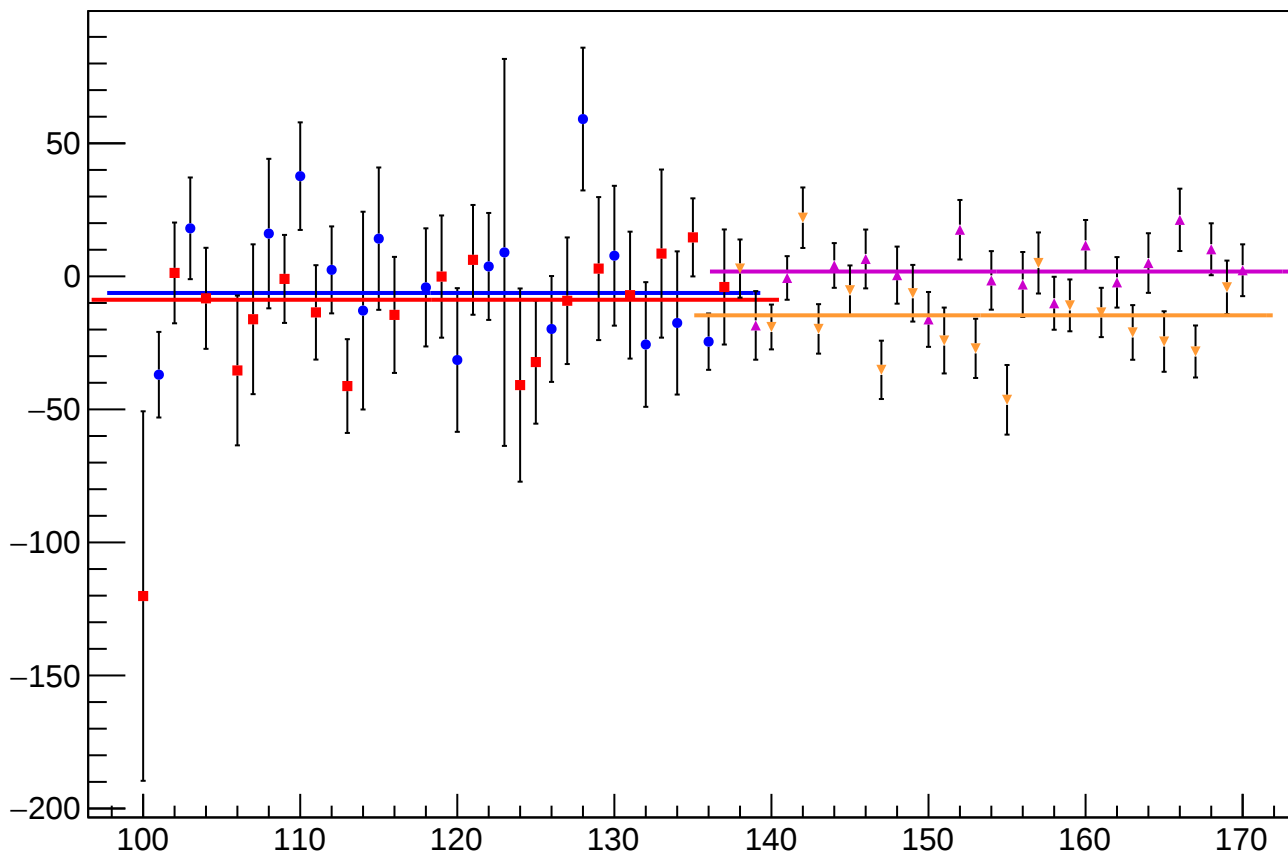
Left In: 6975.314 $\pm$ 1.415 χ^2 /NDF:459264.5/15

+ sign 7250.801 $\pm$ 1.185 χ^2 /NDF: 1158566.5/33

All: 7213.195 $\pm$ 0.832 χ^2 /NDF: 2362712.8/68

- sign 7176.587 $\pm$ 1.169 χ^2 /NDF: 1202159.9/34

diff_bpm4eX_mean vs Slug



Right In: -6.244 ± 5.017 χ^2/NDF : 23.2/16

Left Out: -14.646 ± 2.514 χ^2/NDF : 33.7/16

Right Out: -8.802 ± 4.999 χ^2/NDF : 13.1/18

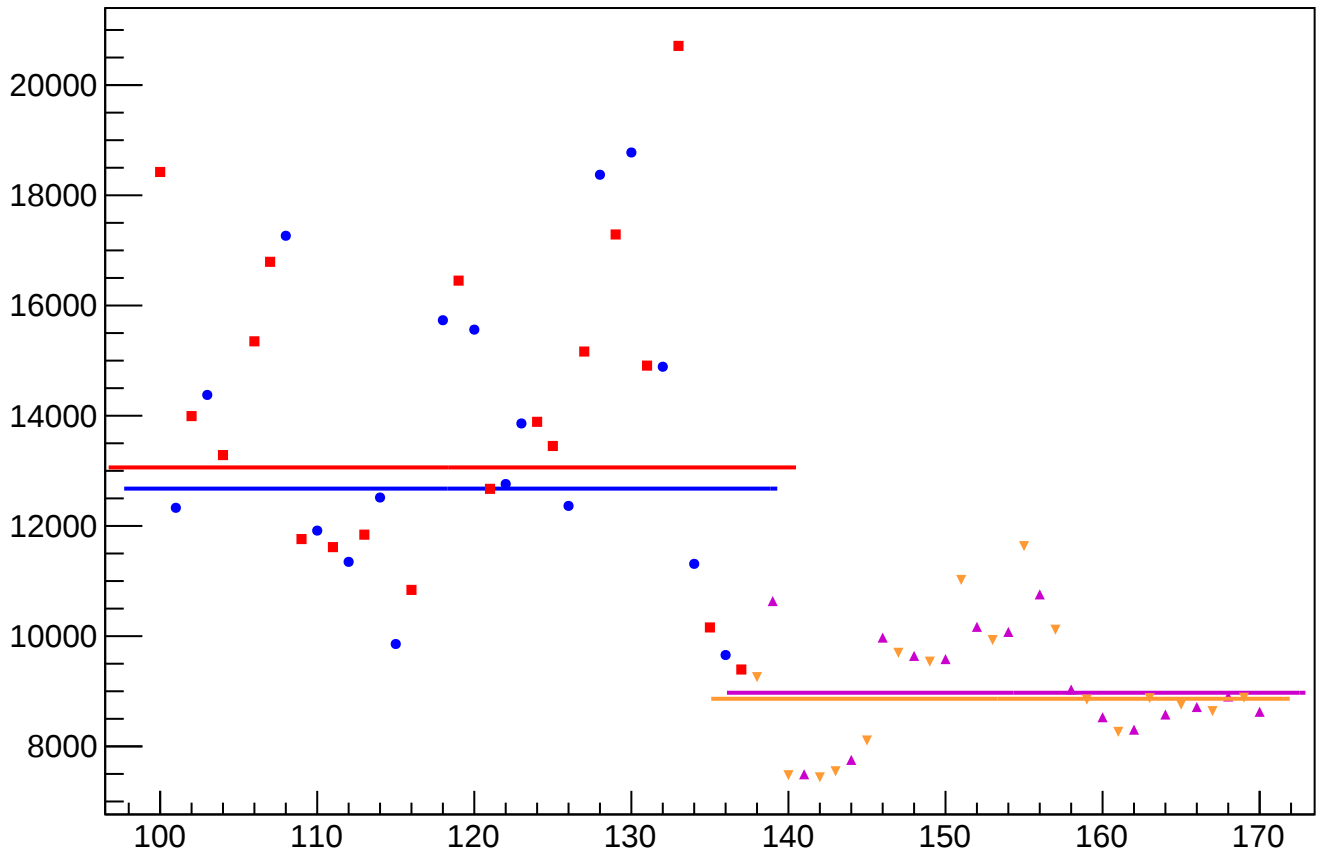
Left In: 1.811 ± 2.559 χ^2/NDF : 14.3/15

+ sign -12.960 ± 2.248 χ^2/NDF : 59.1/33

All: -6.759 ± 1.600 χ^2/NDF : 105.6/68

- sign -0.392 ± 2.278 χ^2/NDF : 31.0/34

diff_bpm4eX_rms vs Slug



Right In: 12677.516+/-3.548 χ^2/NDF : 553605.5/16

Left Out: 8863.776+/-1.778 χ^2/NDF : 363125.4/16

+ sign 9629.211+/-1.589 χ^2/NDF : 1840345.4/33

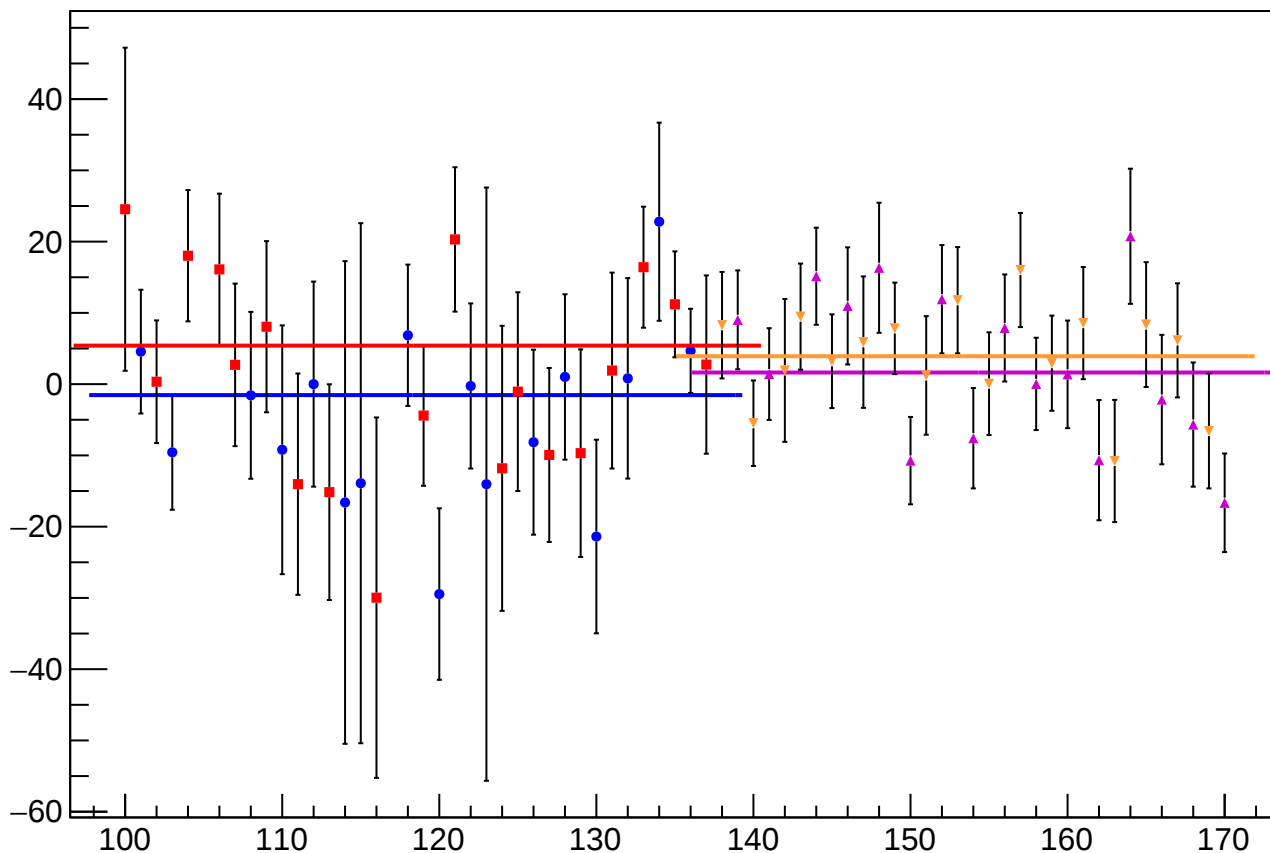
Right Out: 13061.839+/-3.535 χ^2/NDF : 497429.6/18

All: 9724.252+/-1.131 χ^2/NDF : 3682963.6/68

Left In: 8973.209+/-1.809 χ^2/NDF : 277865.5/15

- sign 9821.830+/-1.611 χ^2/NDF : 1835371.6/34

diff_bpm4eY_mean vs Slug



Right In: -1.538 ± 2.790 χ^2/NDF : 14.8/16

Left Out: 3.918 ± 1.837 χ^2/NDF : 12.9/16

Right Out: 5.405 ± 2.640 χ^2/NDF : 18.6/18

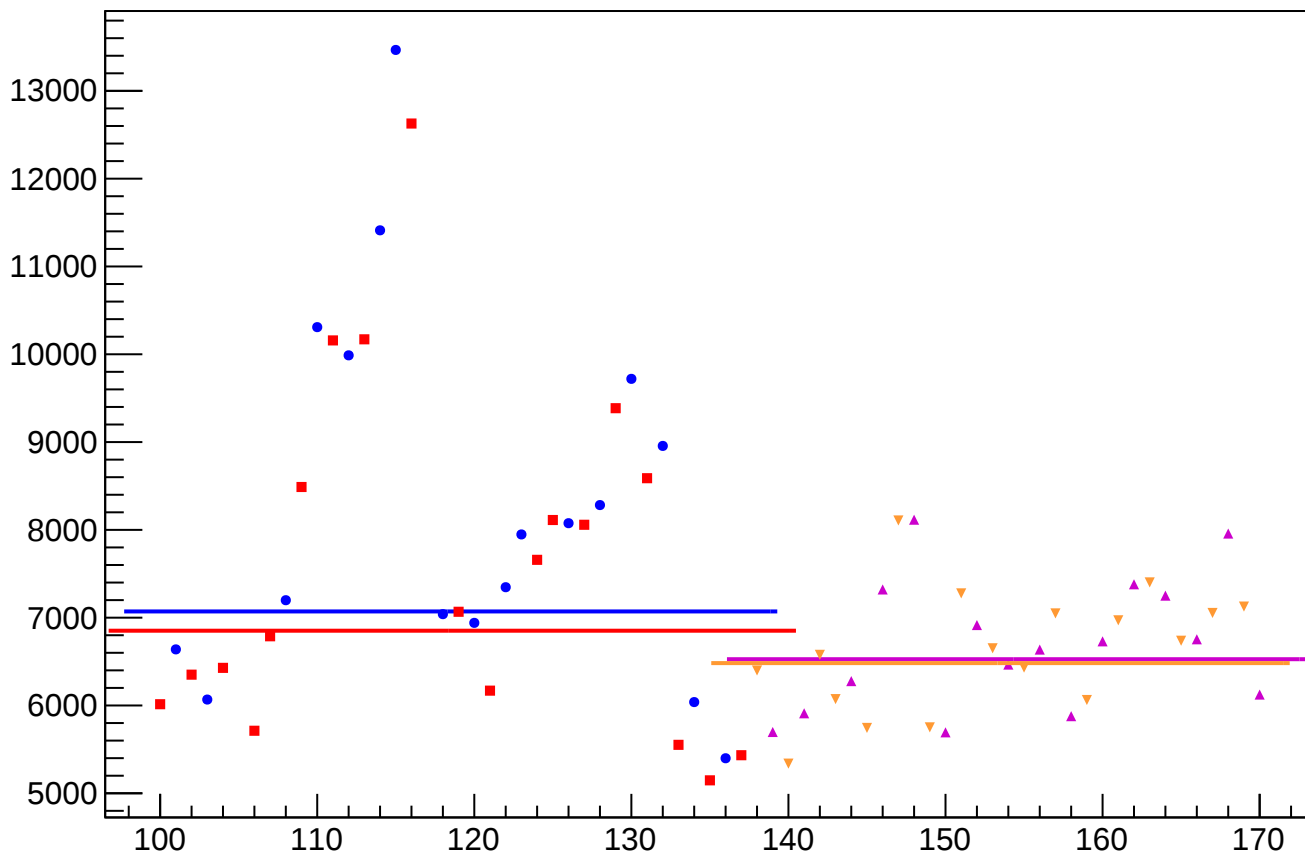
Left In: 1.634 ± 1.864 χ^2/NDF : 31.4/15

+ sign 2.268 ± 1.535 χ^2/NDF : 30.4/33

All: 2.581 ± 1.081 χ^2/NDF : 81.8/68

- sign 2.889 ± 1.523 χ^2/NDF : 51.3/34

diff_bpm4eY_rms vs Slug



Right In: 7071.043 ± 1.973 χ^2/NDF : 600748.1/16

Left Out: 6482.606 ± 1.299 χ^2/NDF : 285044.7/16

Right Out: 6851.604 ± 1.866 χ^2/NDF : 684398.7/18

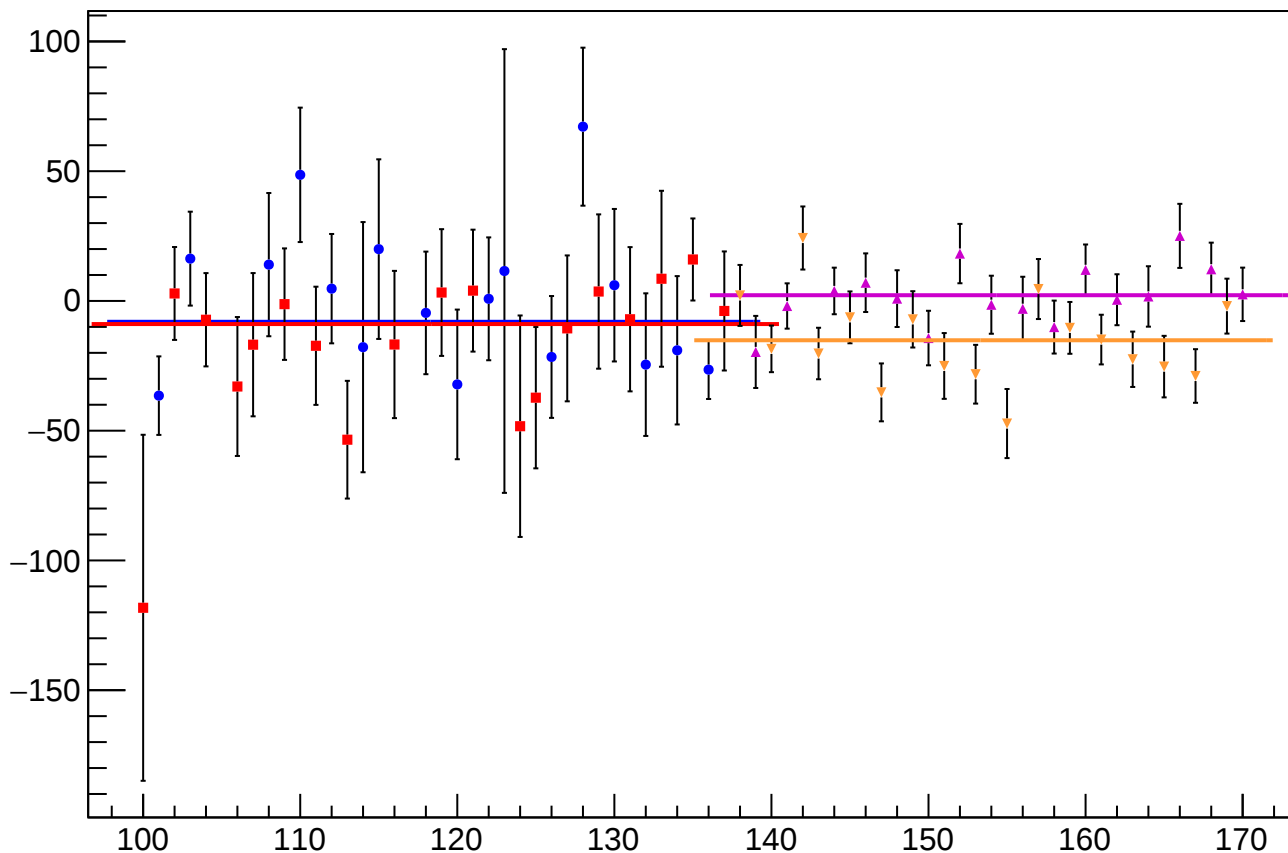
Left In: 6527.017 ± 1.318 χ^2/NDF : 287118.3/15

+ sign 6660.561 ± 1.085 χ^2/NDF : 947836.7/33

All: 6647.699 ± 0.764 χ^2/NDF : 1939810.6/68

- sign 6635.032 ± 1.077 χ^2/NDF : 991695.0/34

diff_bpm4acX_mean vs Slug



Right In: -8.036 ± 5.497 χ^2/NDF : 22.6/16

Left Out: -15.153 ± 2.622 χ^2/NDF : 33.1/16

Right Out: -8.907 ± 5.566 χ^2/NDF : 13.7/18

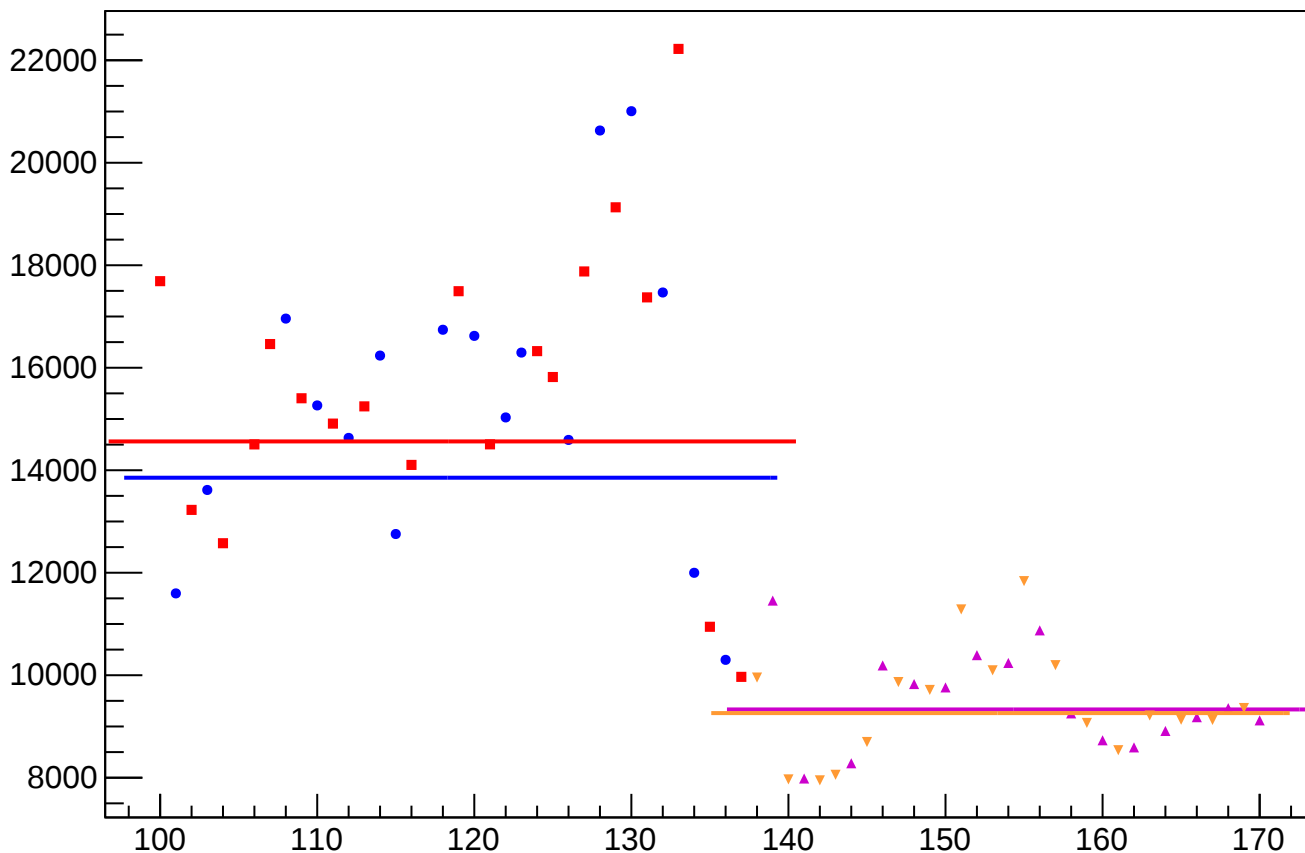
Left In: 2.207 ± 2.658 χ^2/NDF : 14.5/15

+ sign -13.834 ± 2.367 χ^2/NDF : 57.0/33

All: -6.939 ± 1.685 χ^2/NDF : 105.7/68

- sign 0.143 ± 2.399 χ^2/NDF : 31.5/34

diff_bpm4acX_rms vs Slug



Right In: 13854.187+/-3.887 χ^2/NDF : 600963.4/16

Left Out: 9261.167+/-1.854 χ^2/NDF : 279726.3/16

Right Out: 14562.308+/-3.936 χ^2/NDF : 474279.5/18

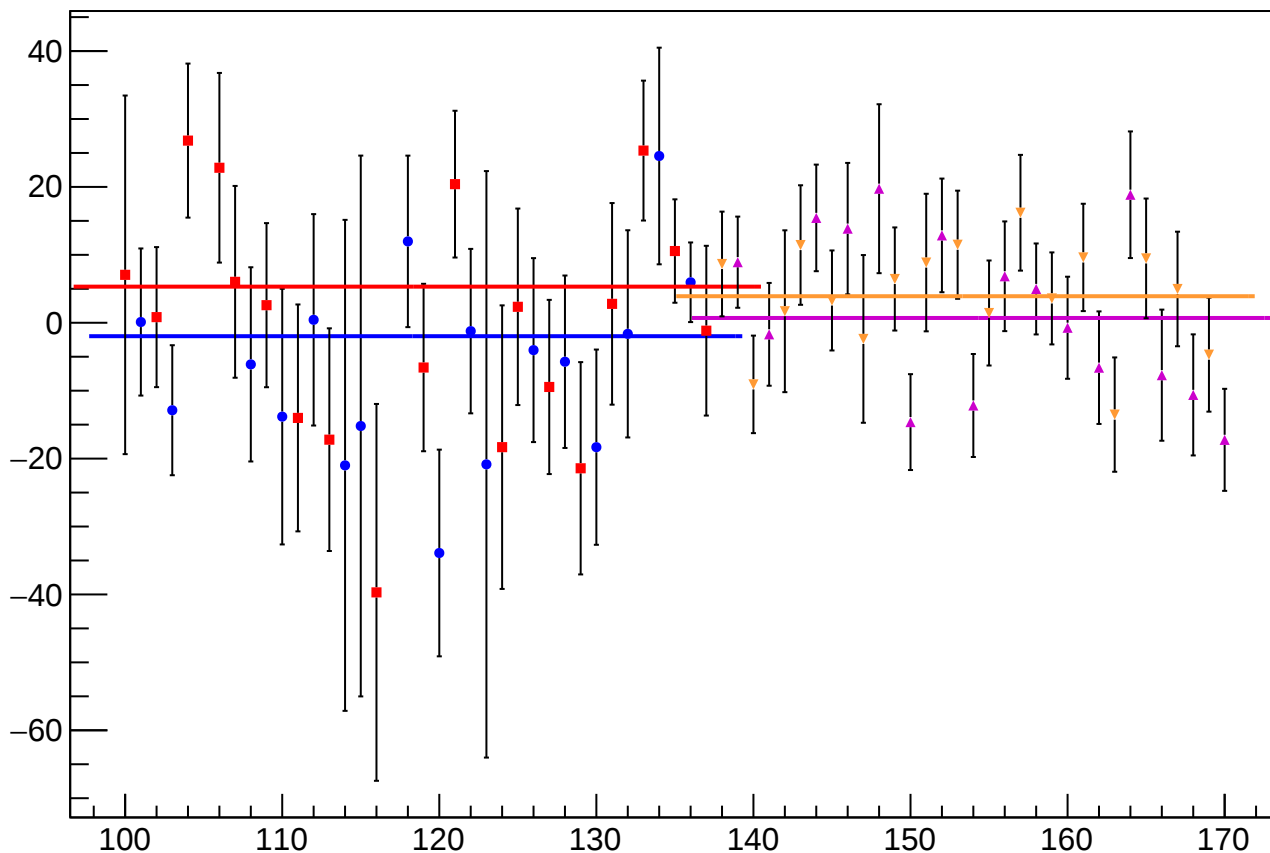
Left In: 9332.264+/-1.880 χ^2/NDF : 225259.0/15

+ sign 10112.439+/-1.674 χ^2/NDF : 2018029.1/33

All: 10206.700+/-1.191 χ^2/NDF : 4161831.0/6

- sign 10303.528+/-1.696 χ^2/NDF : 2137370.3/34

diff_bpm4acY_mean vs Slug



Right In: -1.978 ± 3.094 χ^2/NDF : 14.0/16

Left Out: 3.908 ± 2.009 χ^2/NDF : 14.4/16

Right Out: 5.318 ± 2.959 χ^2/NDF : 24.3/18

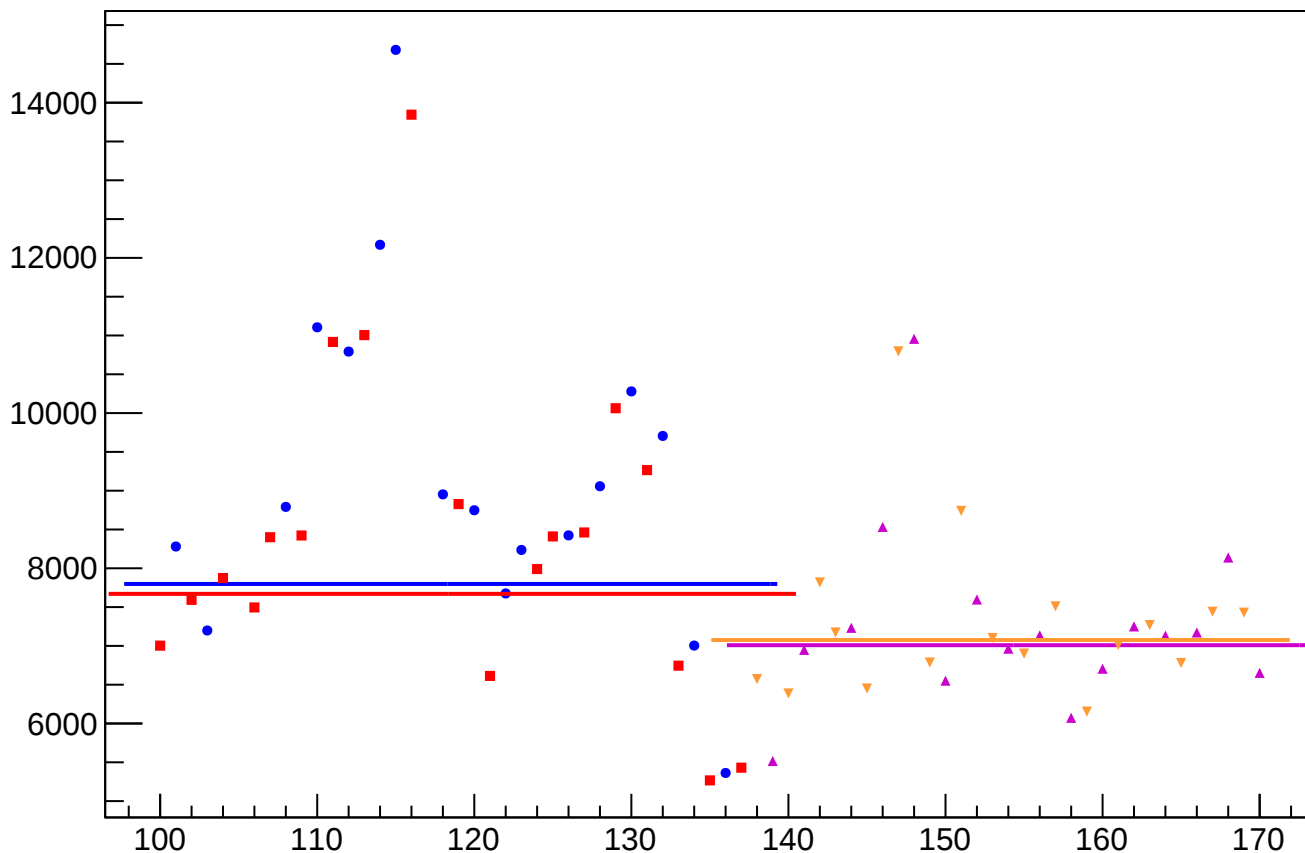
Left In: 0.705 ± 2.011 χ^2/NDF : 32.7/15

+ sign 2.162 ± 1.685 χ^2/NDF : 31.0/33

All: 2.162 ± 1.184 χ^2/NDF : 89.7/68

- sign 2.163 ± 1.663 χ^2/NDF : 58.7/34

diff_bpm4acY_rms vs Slug



Right In: 7798.267+/-2.188 χ^2/NDF : 736283.6/16

Left Out: 7076.141+/-1.421 χ^2/NDF : 341884.7/16

Right Out: 7670.584+/-2.092 χ^2/NDF : 672691.0/18

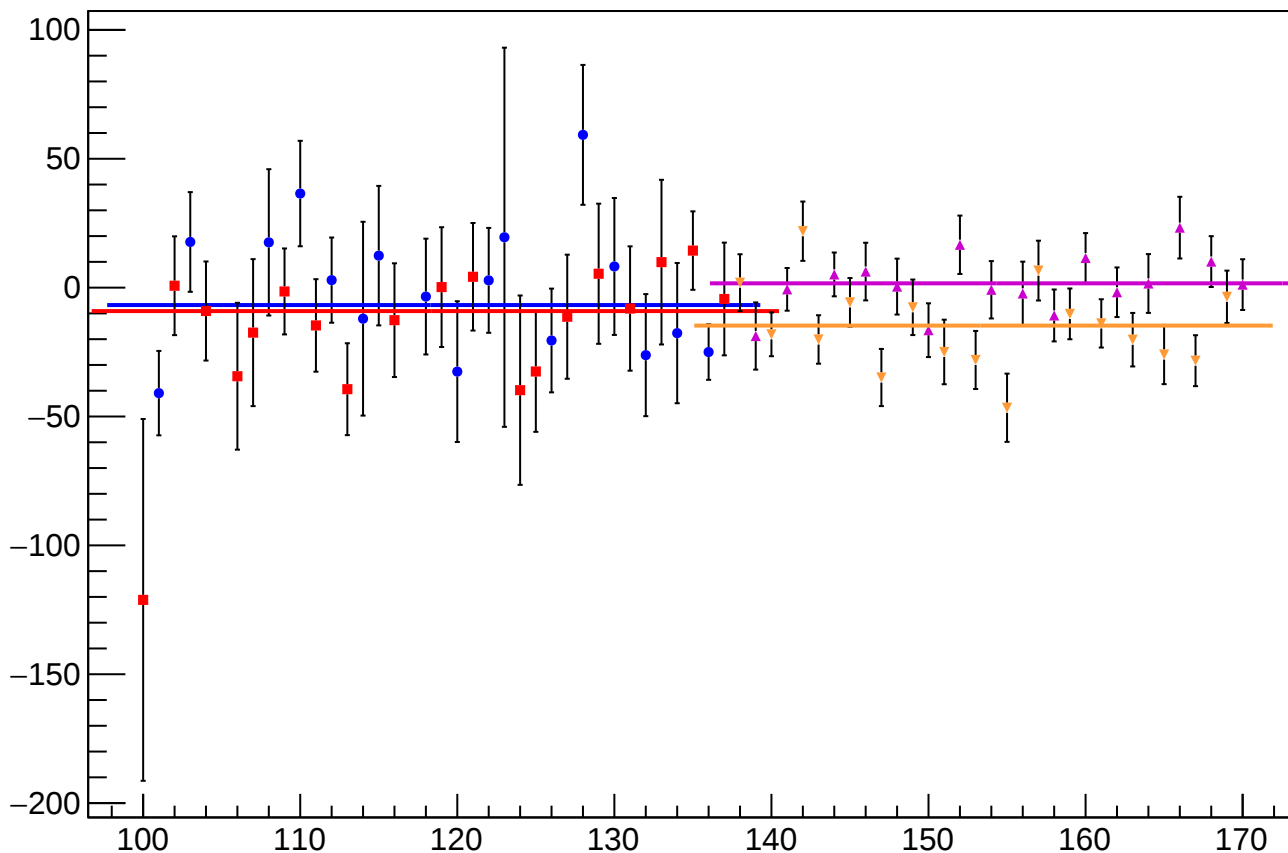
Left In: 7009.139+/-1.422 χ^2/NDF : 452252.0/15

+ sign 7290.386+/-1.192 χ^2/NDF : 1154794.4/33

All: 7253.804+/-0.837 χ^2/NDF : 2349975.2/68

- sign 7218.174+/-1.176 χ^2/NDF : 1193320.5/34

diff_bpm4ecX_mean vs Slug



Right In: -6.760 ± 5.085 $\chi^2/\text{NDF}: 23.7/16$

Left Out: -14.727 ± 2.542 $\chi^2/\text{NDF}: 33.4/16$

Right Out: -9.102 ± 5.070 $\chi^2/\text{NDF}: 12.2/18$

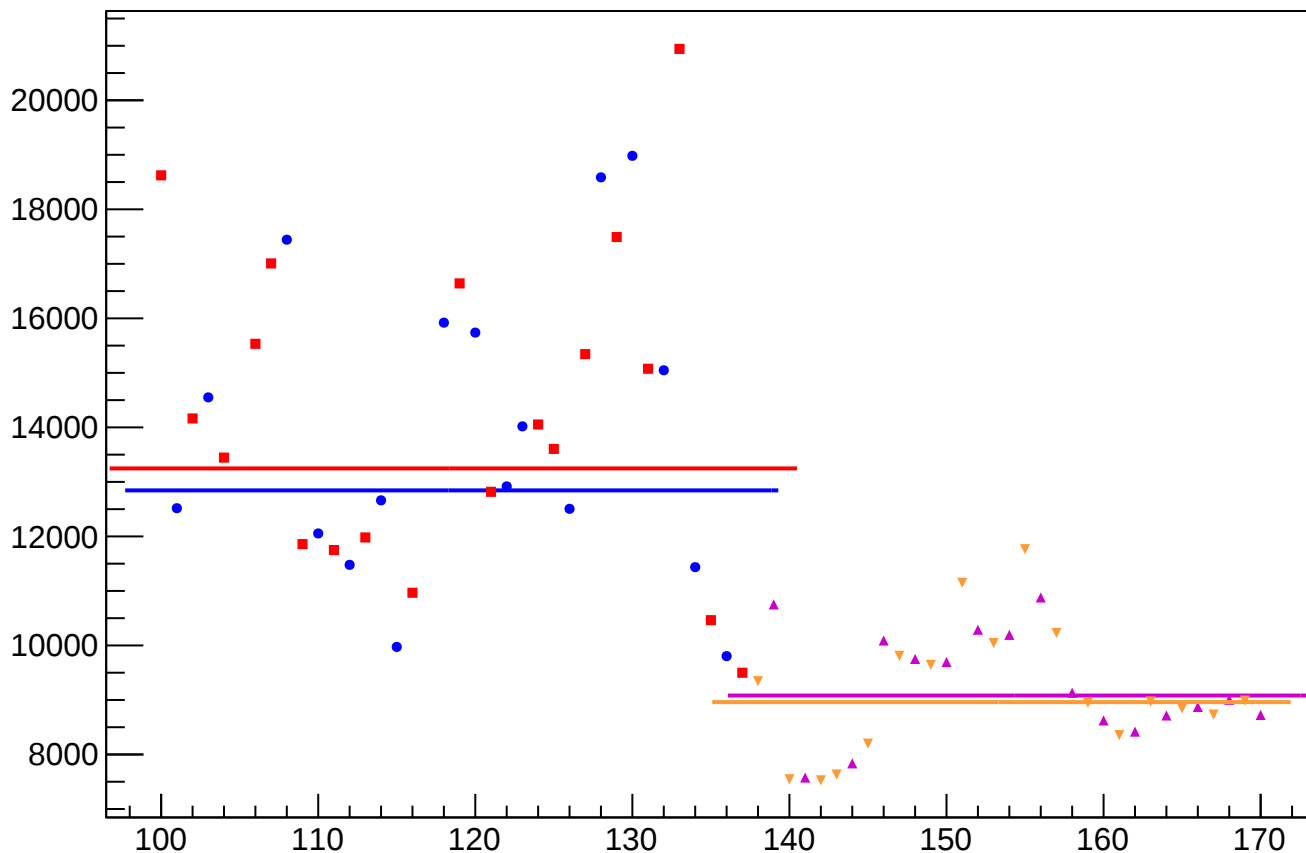
Left In: 1.670 ± 2.590 $\chi^2/\text{NDF}: 14.5/15$

+ sign -13.134 ± 2.274 $\chi^2/\text{NDF}: 59.0/33$

All: -6.937 ± 1.619 $\chi^2/\text{NDF}: 104.4/68$

- sign -0.559 ± 2.307 $\chi^2/\text{NDF}: 30.3/34$

diff_bpm4ecX_rms vs Slug



Right In: 12844.321+/-3.595 χ^2/NDF : 547271.0/16

Left Out: 8960.748+/-1.797 χ^2/NDF : 364741.2/16

Right Out: 13247.253+/-3.585 χ^2/NDF : 485481.6/18

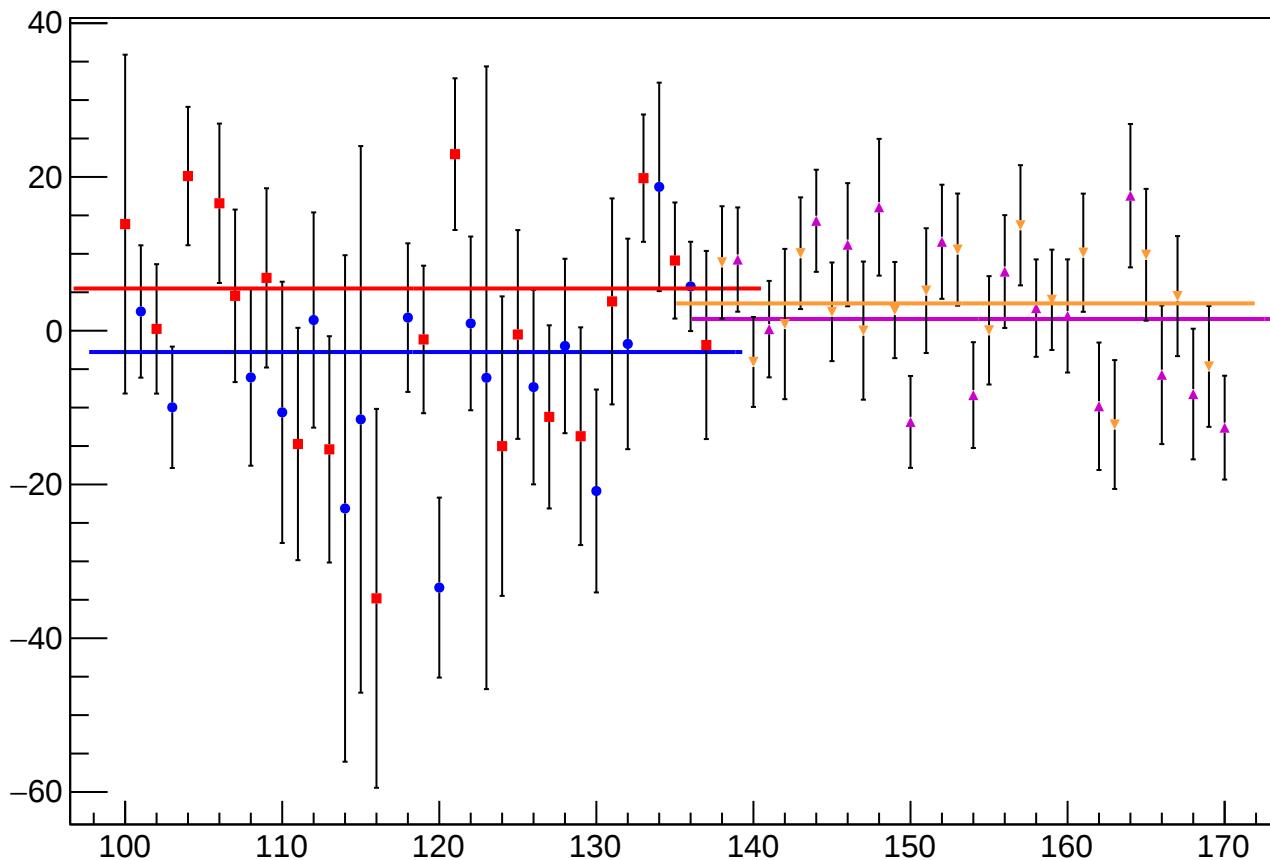
Left In: 9081.285+/-1.831 χ^2/NDF : 277264.9/15

+ sign 9737.191+/-1.608 χ^2/NDF : 1845461.4/33

All: 9838.779+/-1.145 χ^2/NDF : 3687037.3/68

- sign 9943.335+/-1.631 χ^2/NDF : 1833473.1/34

diff_bpm4ecY_mean vs Slug



Right In: -2.774 ± 2.732 χ^2/NDF : 15.9/16

Left Out: 3.552 ± 1.793 χ^2/NDF : 12.1/16

Right Out: 5.491 ± 2.587 χ^2/NDF : 23.2/18

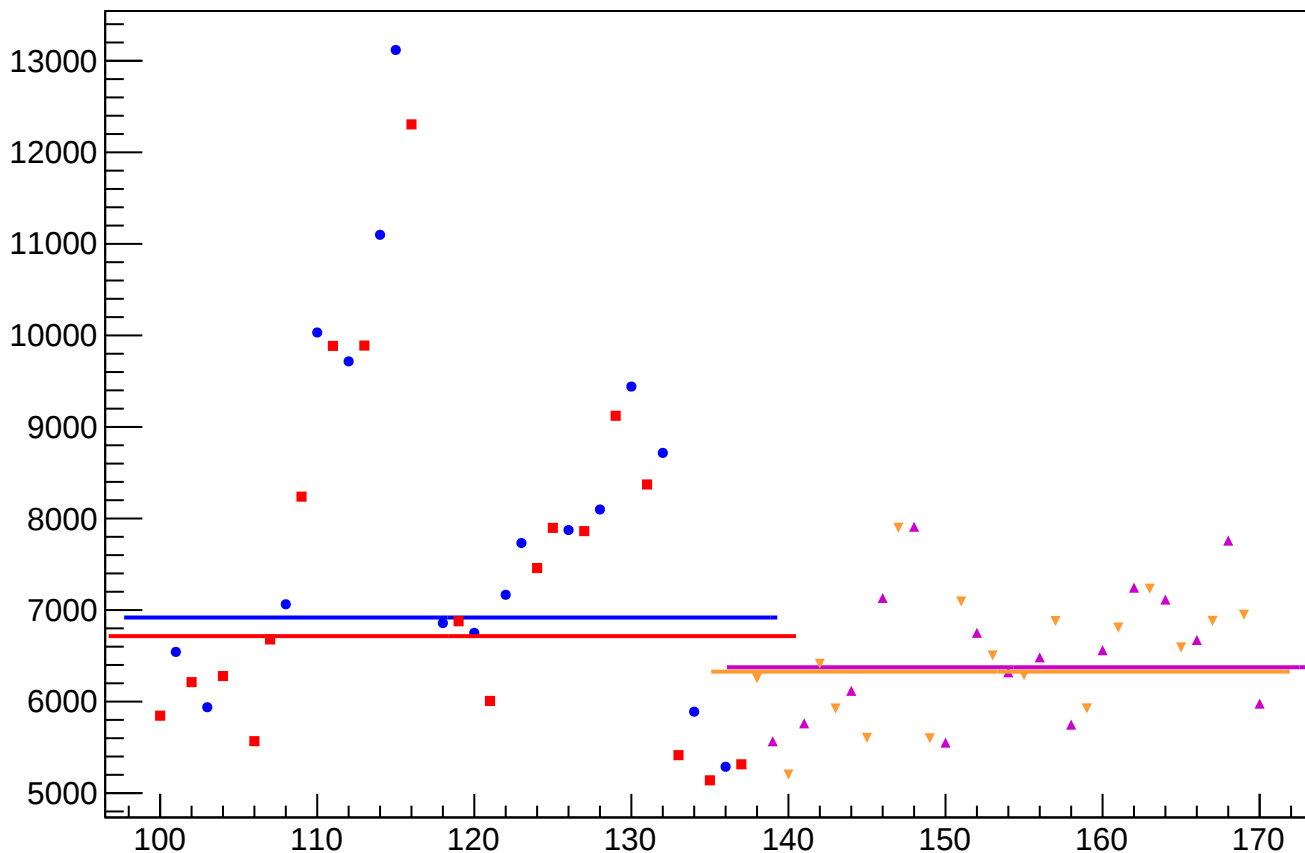
Left In: 1.521 ± 1.822 χ^2/NDF : 30.0/15

+ sign 1.647 ± 1.499 χ^2/NDF : 31.8/33

All: 2.246 ± 1.057 χ^2/NDF : 86.9/68

- sign 2.837 ± 1.489 χ^2/NDF : 54.8/34

diff_bpm4ecY_rms vs Slug



Right In: 6918.477 ± 1.932 χ^2/NDF : 587039.3/16

Left Out: 6327.285 ± 1.268 χ^2/NDF : 286409.5/16

Right Out: 6715.022 ± 1.830 χ^2/NDF : 656010.3/18

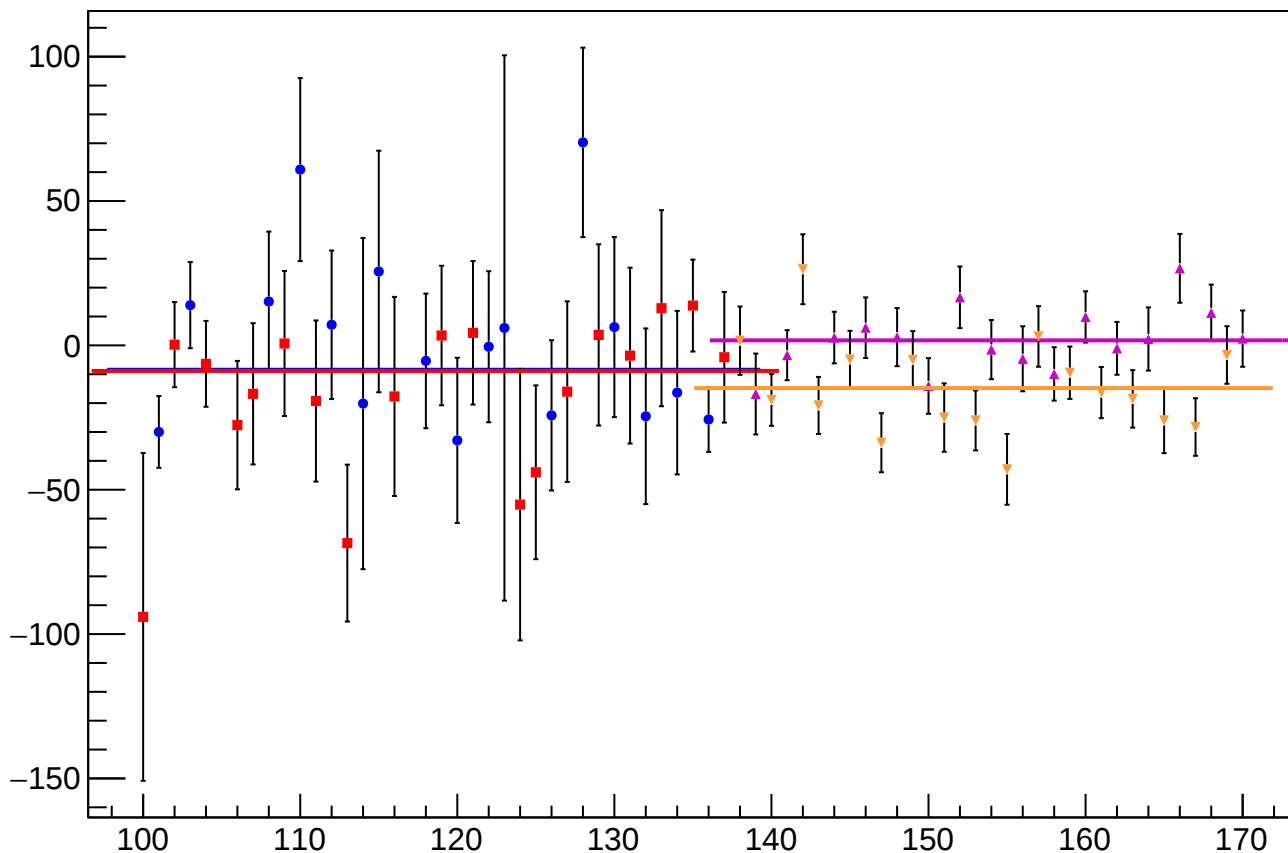
Left In: 6375.040 ± 1.288 χ^2/NDF : 289120.9/15

+ sign 6505.336 ± 1.060 χ^2/NDF : 938912.9/33

All: 6496.461 ± 0.747 χ^2/NDF : 1907271.5/68

- sign 6487.701 ± 1.053 χ^2/NDF : 968219.2/34

diff_bpm1X_mean vs Slug



Right In: -8.448 ± 5.393 χ^2/NDF : 22.0/16

Left Out: -14.790 ± 2.488 χ^2/NDF : 34.2/16

Right Out: -8.854 ± 5.508 χ^2/NDF : 14.2/18

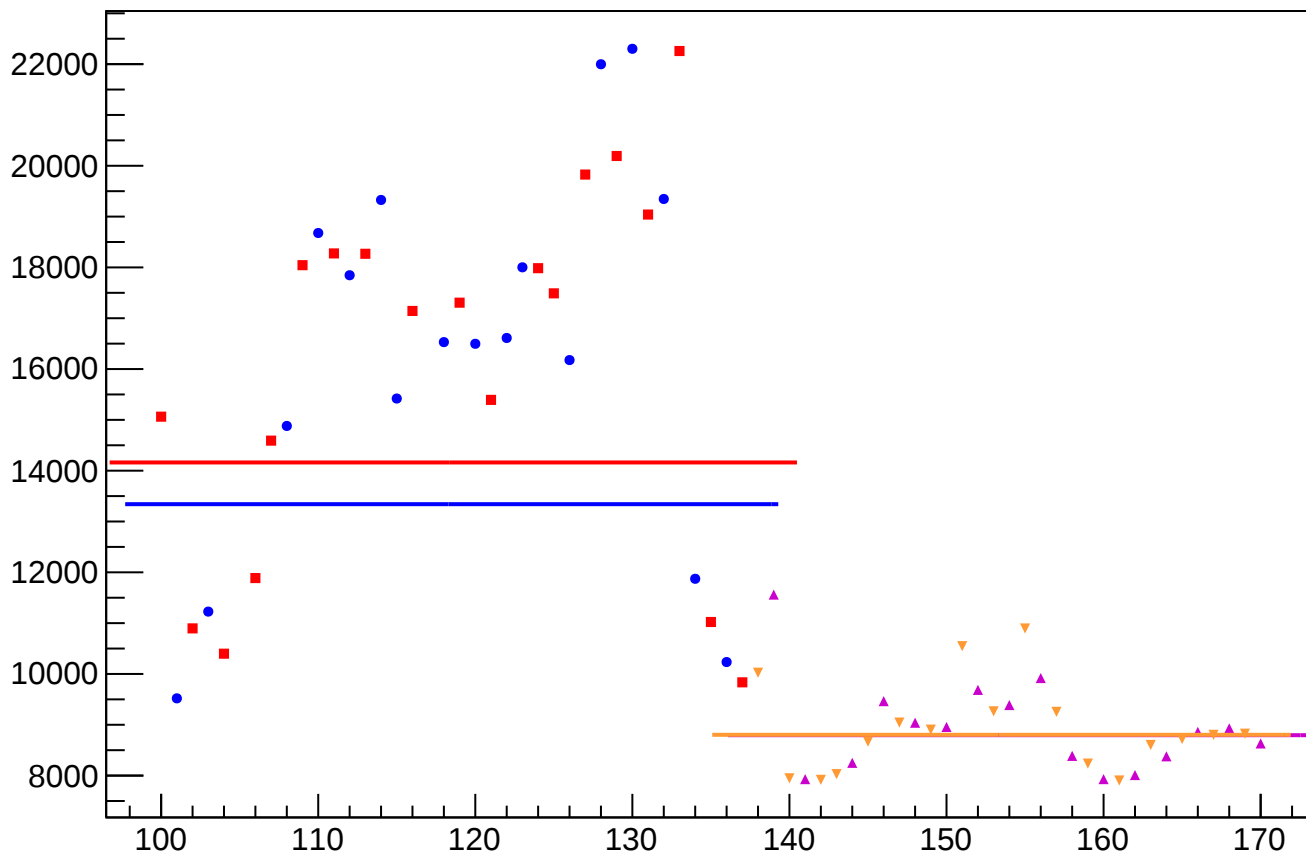
Left In: 1.736 ± 2.504 χ^2/NDF : 15.2/15

+ sign -13.677 ± 2.259 χ^2/NDF : 57.3/33

All: -6.937 ± 1.605 χ^2/NDF : 107.8/68

- sign -0.077 ± 2.280 χ^2/NDF : 32.5/34

diff_bpm1X_rms vs Slug



Right In: 13340.948+/-3.813 χ^2/NDF : 1044569.8/16

Left Out: 8802.784+/-1.759 χ^2/NDF : 202867.0/16

Right Out: 14161.826+/-3.895 χ^2/NDF : 931787.3/18

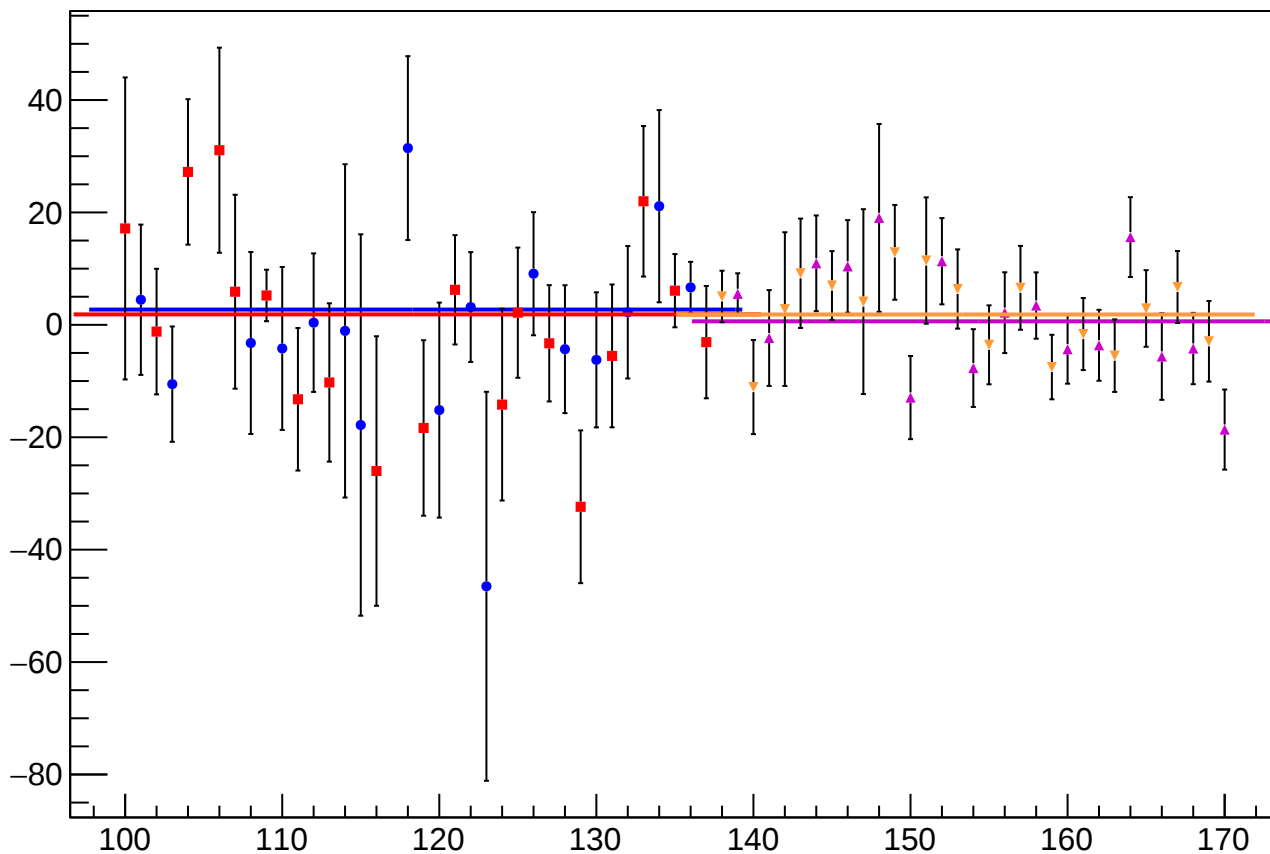
Left In: 8794.946+/-1.771 χ^2/NDF : 197115.3/15

+ sign 9599.286+/-1.598 χ^2/NDF : 2415123.2/33

All: 9656.155+/-1.135 χ^2/NDF : 5120021.2/68

- sign 9714.045+/-1.612 χ^2/NDF : 2702341.0/34

diff_bpm1Y_mean vs Slug



Right In: 2.717 ± 2.752 χ^2/NDF : 11.6/16

Left Out: 1.845 ± 1.734 χ^2/NDF : 13.3/16

Right Out: 1.861 ± 2.439 χ^2/NDF : 23.5/18

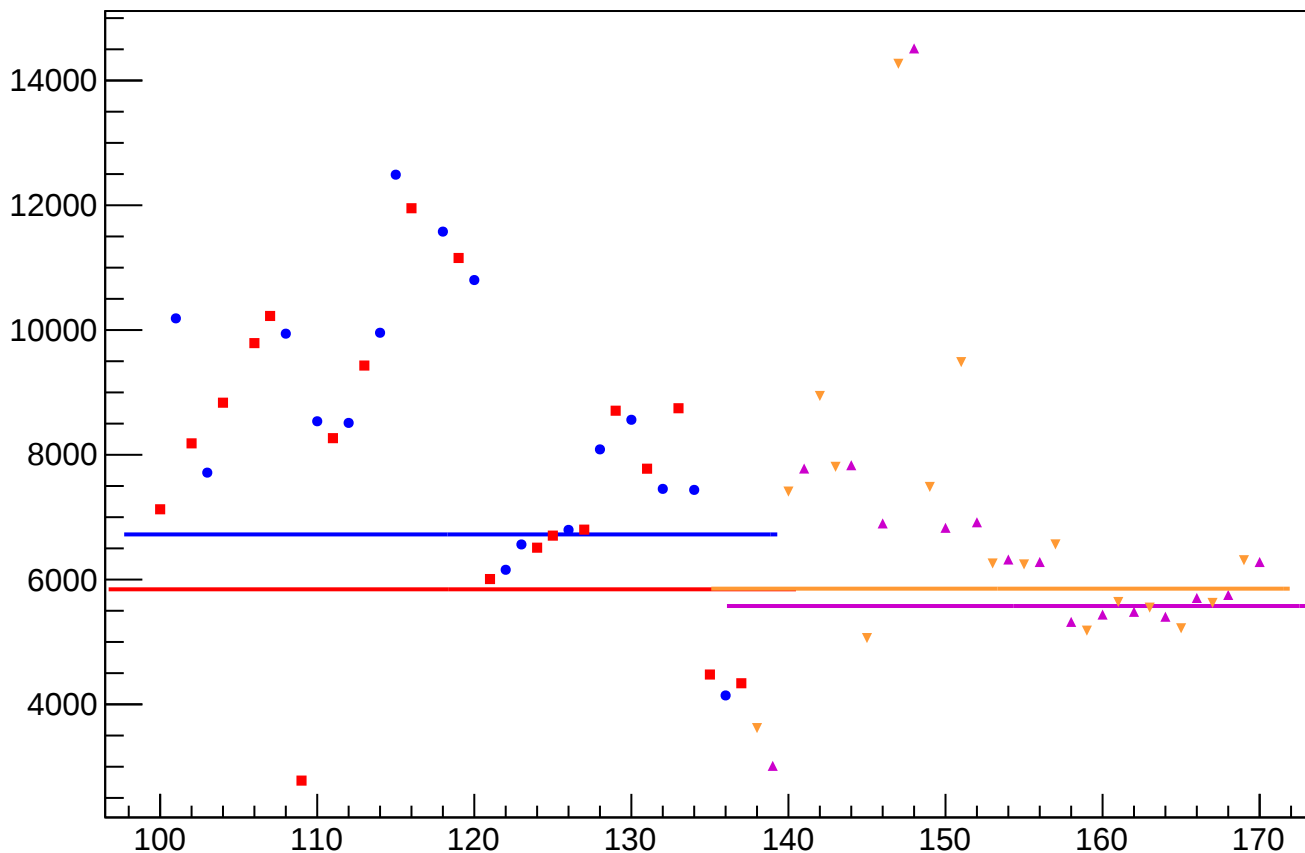
Left In: 0.628 ± 1.672 χ^2/NDF : 27.1/15

+ sign 2.093 ± 1.467 χ^2/NDF : 25.0/33

All: 1.525 ± 1.005 χ^2/NDF : 76.2/68

- sign 1.022 ± 1.379 χ^2/NDF : 50.8/34

diff_bpm1Y_rms vs Slug



Right In: 6723.839+/-1.946 χ^2/NDF : 1392082.5/16

Left Out: 5854.319+/-1.226 χ^2/NDF : 1661597.0/16

Right Out: 5843.829+/-1.725 χ^2/NDF : 2277223.8/18

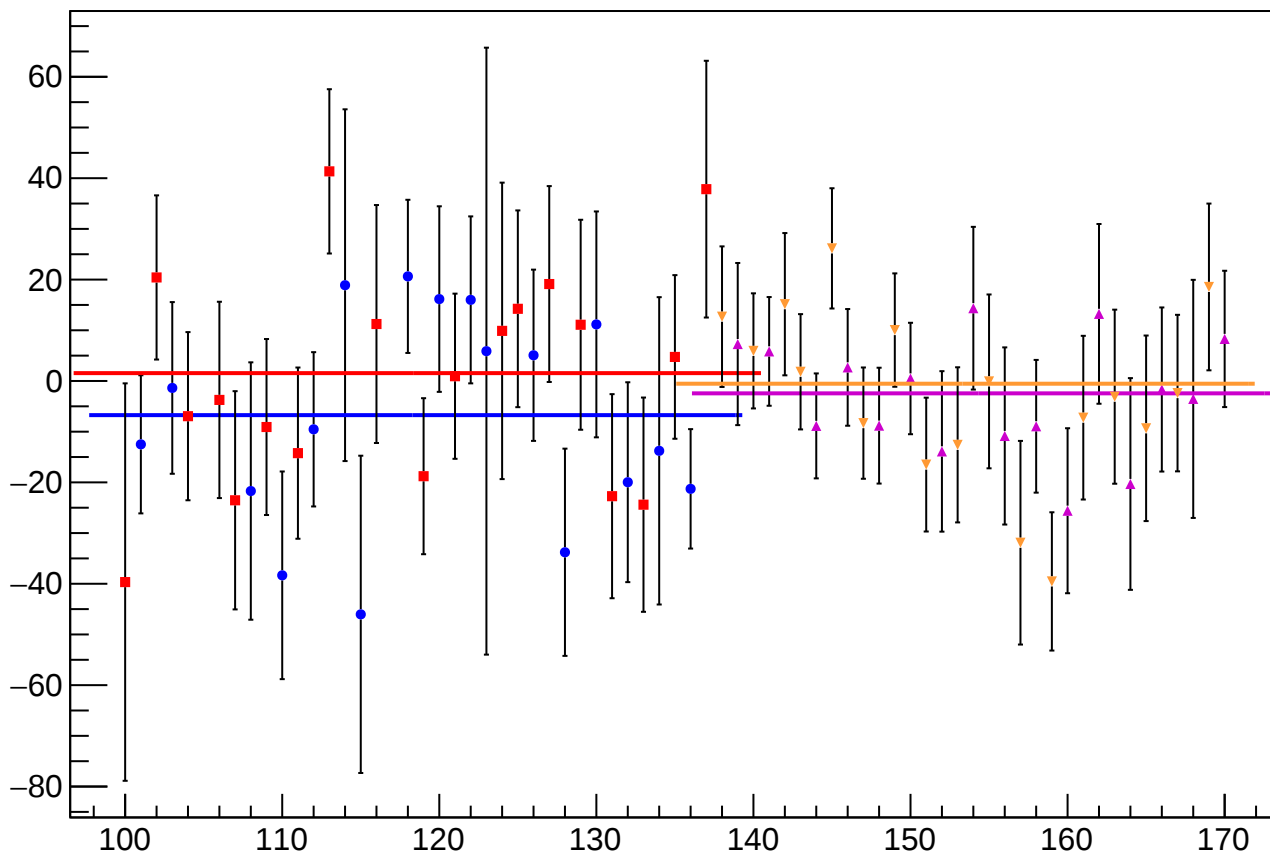
Left In: 5576.276+/-1.182 χ^2/NDF : 2069988.8/15

+ sign 6101.397+/-1.037 χ^2/NDF : 3196602.8/33

All: 5867.987+/-0.710 χ^2/NDF : 7655549.1/68

- sign 5661.791+/-0.975 χ^2/NDF : 4363588.9/34

diff_bpm11X_mean vs Slug



Right In: -6.736 ± 4.513 χ^2/NDF : 16.9/16

Left Out: -0.539 ± 3.360 χ^2/NDF : 23.5/16

Right Out: 1.549 ± 4.372 χ^2/NDF : 20.0/18

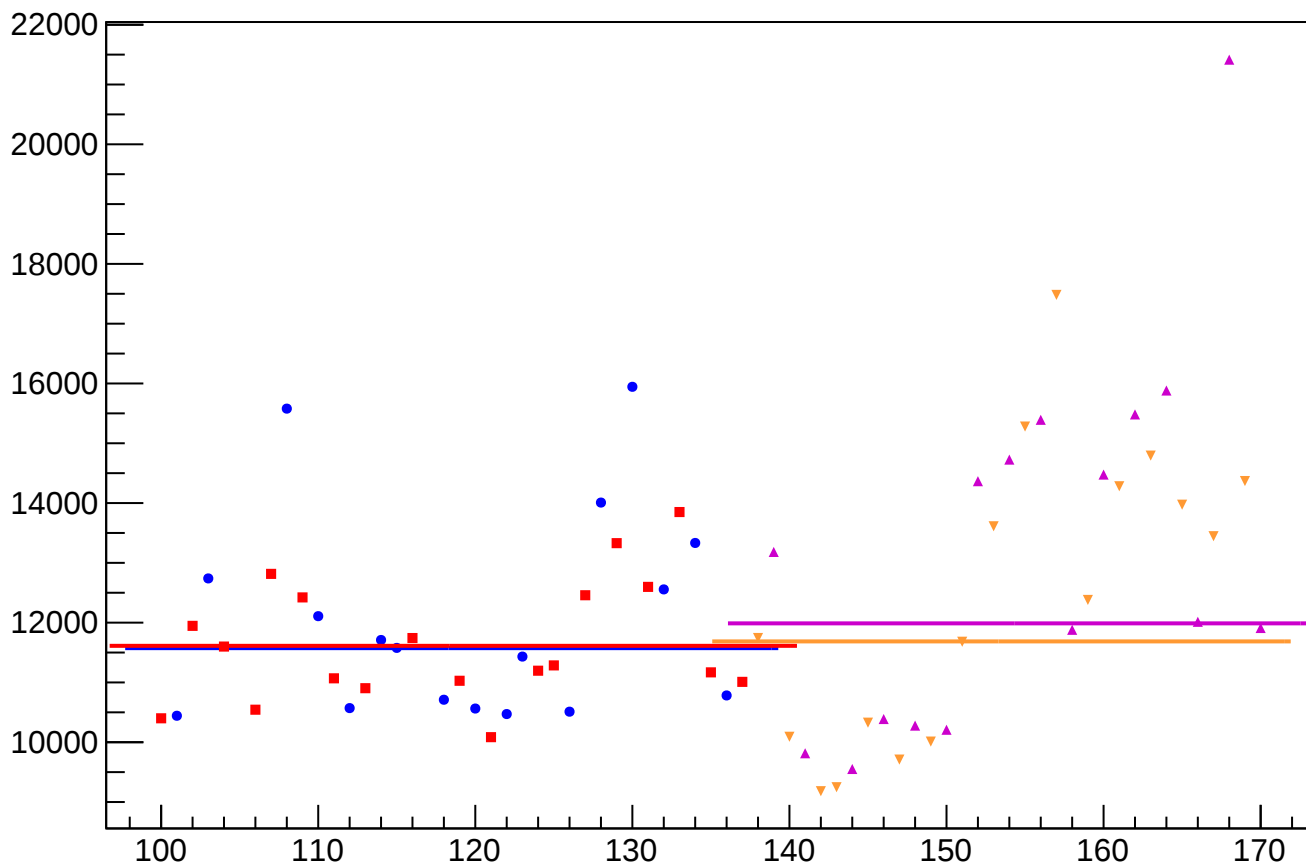
Left In: -2.440 ± 3.475 χ^2/NDF : 8.2/15

+ sign -2.749 ± 2.695 χ^2/NDF : 41.6/33

All: -1.831 ± 1.915 χ^2/NDF : 70.5/68

- sign -0.896 ± 2.720 χ^2/NDF : 28.7/34

diff_bpm11X_rms vs Slug



Right In: 11573.490 ± 3.191 χ^2/NDF : 238734.7/16

Left Out: 11686.225 ± 2.376 χ^2/NDF : 850009.2/16

Right Out: 11612.220 ± 3.092 χ^2/NDF : 94308.1/18

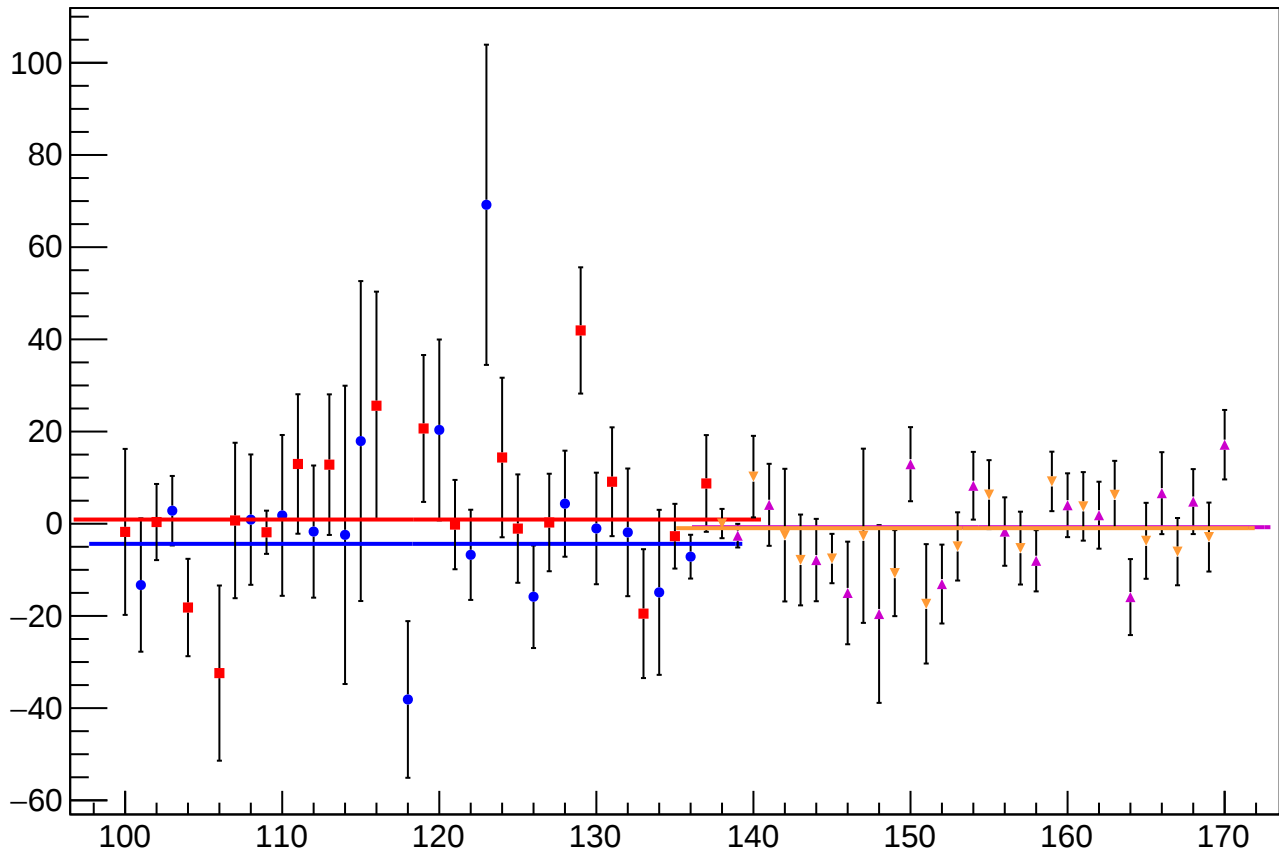
Left In: 11987.997 ± 2.457 χ^2/NDF : 1035774.5/15

+ sign 11646.015 ± 1.906 χ^2/NDF : 1089546.8/33

All: 11743.372 ± 1.354 χ^2/NDF : 2233951.8/6

- sign 11842.545 ± 1.924 χ^2/NDF : 1139137.2/34

diff_bpm11Y_mean vs Slug



Right In: -4.361 ± 2.776 χ^2/NDF : 14.5/16

Left Out: -0.961 ± 1.700 χ^2/NDF : 12.5/16

Right Out: 0.914 ± 2.426 χ^2/NDF : 23.5/18

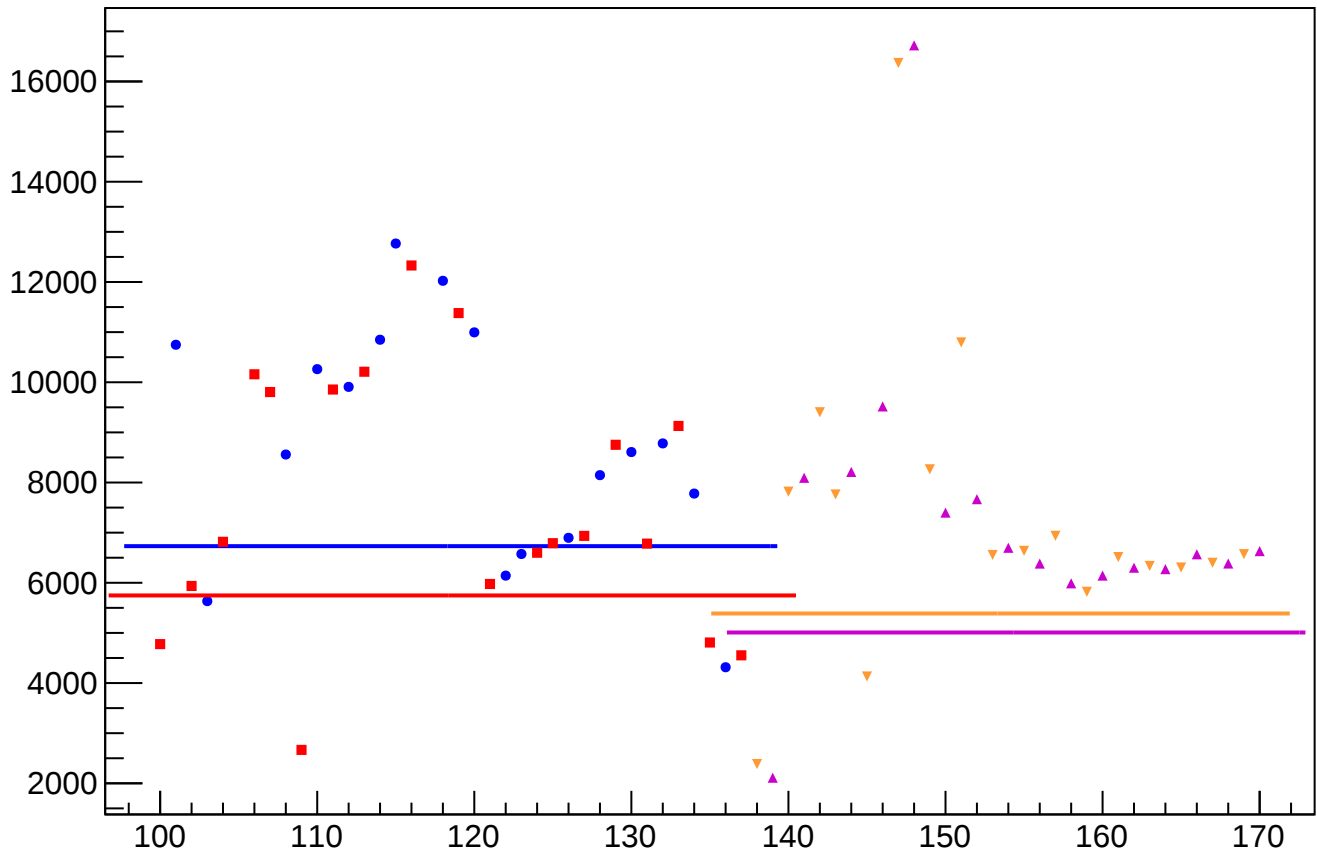
Left In: -0.749 ± 1.618 χ^2/NDF : 22.7/15

+ sign -1.888 ± 1.450 χ^2/NDF : 28.1/33

All: -1.002 ± 0.987 χ^2/NDF : 75.3/68

- sign -0.237 ± 1.346 χ^2/NDF : 46.5/34

diff_bpm11Y_rms vs Slug



Right In: 6730.725 $\pm$ 1.963 χ^2 /NDF: 1445240.4/16

Left Out: 5387.682 $\pm$ 1.202 χ^2 /NDF:3916743.4/16

Right Out: 5747.643 $\pm$ 1.716 χ^2 /NDF: 2162236.7/18

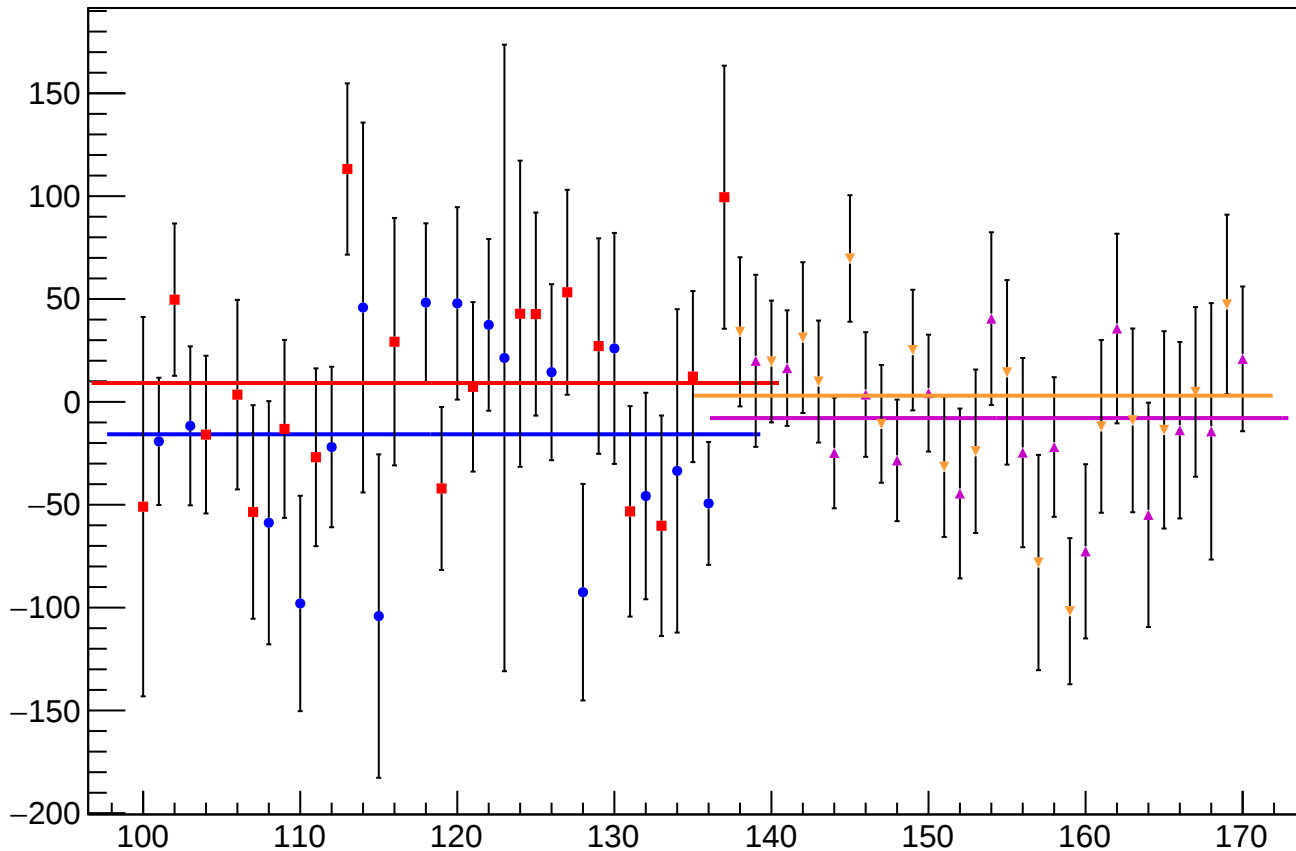
Left In: 5008.579 $\pm$ 1.144 χ^2 /NDF:5105491.1/15

+ sign 5753.859 $\pm$ 1.025 χ^2 /NDF: 5702417.1/33

All: 5475.912 $\pm$ 0.698 χ^2 /NDF: 13235530.2/6

- sign 5236.176 $\pm$ 0.952 χ^2 /NDF: 7396172.9/34

diff_bpm12X_mean vs Slug



Right In: -15.751 ± 11.207 χ^2/NDF : 15.9/16

Left Out: 3.017 ± 8.775 χ^2/NDF : 21.2/16

Right Out: 9.179 ± 10.889 χ^2/NDF : 19.3/18

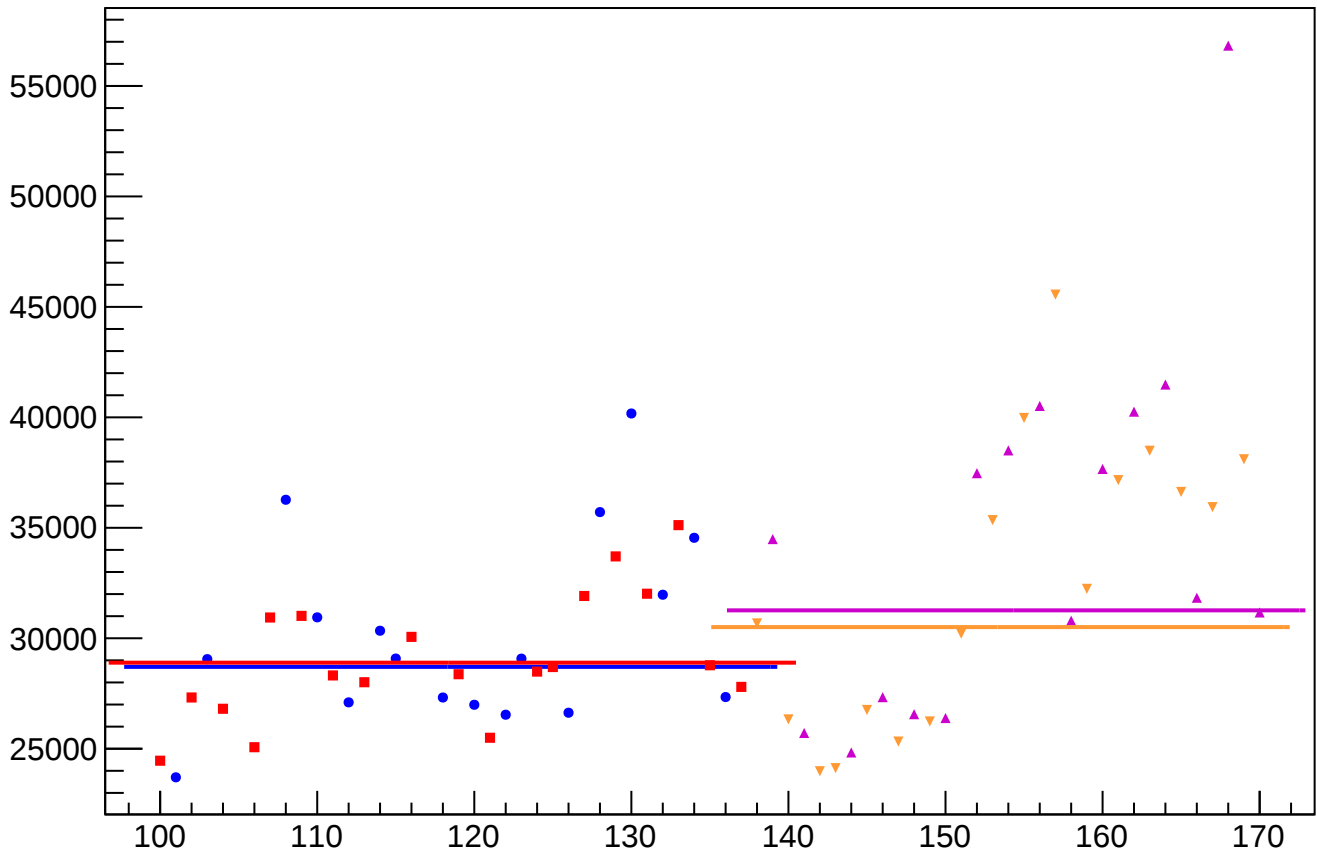
Left In: -7.879 ± 9.066 χ^2/NDF : 9.5/15

+ sign -4.116 ± 6.909 χ^2/NDF : 38.9/33

All: -2.519 ± 4.906 χ^2/NDF : 69.2/68

- sign -0.895 ± 6.967 χ^2/NDF : 30.2/34

diff_bpm12X_rms vs Slug



Right In: 28705.569 $\pm$ 7.925 χ^2 /NDF: 250992.5/16

Left Out: 30505.542 $\pm$ 6.205 χ^2 /NDF:864683.3/16

Right Out: 28895.535 $\pm$ 7.700 χ^2 /NDF: 111212.6/18

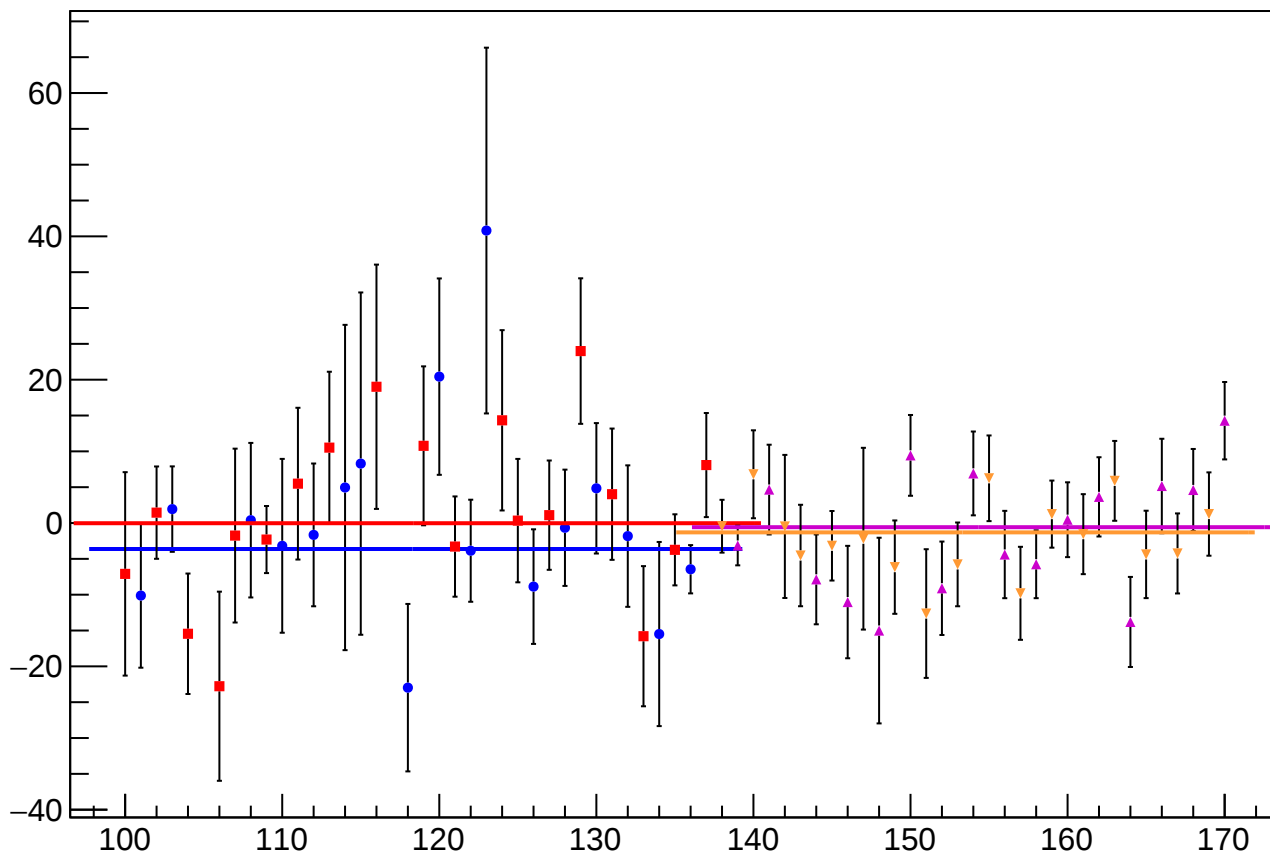
Left In: 31263.158 $\pm$ 6.411 χ^2 /NDF:1062607.3/15

+ sign 29821.435 $\pm$ 4.886 χ^2 /NDF: 1147656.8/33

All: 30055.646 $\pm$ 3.469 χ^2 /NDF: 2381952.1/6

- sign 30293.815 $\pm$ 4.927 χ^2 /NDF: 1229660.3/34

diff_bpm12Y_mean vs Slug



Right In: -3.625 ± 2.006 χ^2/NDF : 13.7/16

Left Out: -1.305 ± 1.422 χ^2/NDF : 10.9/16

Right Out: -0.027 ± 1.890 χ^2/NDF : 22.1/18

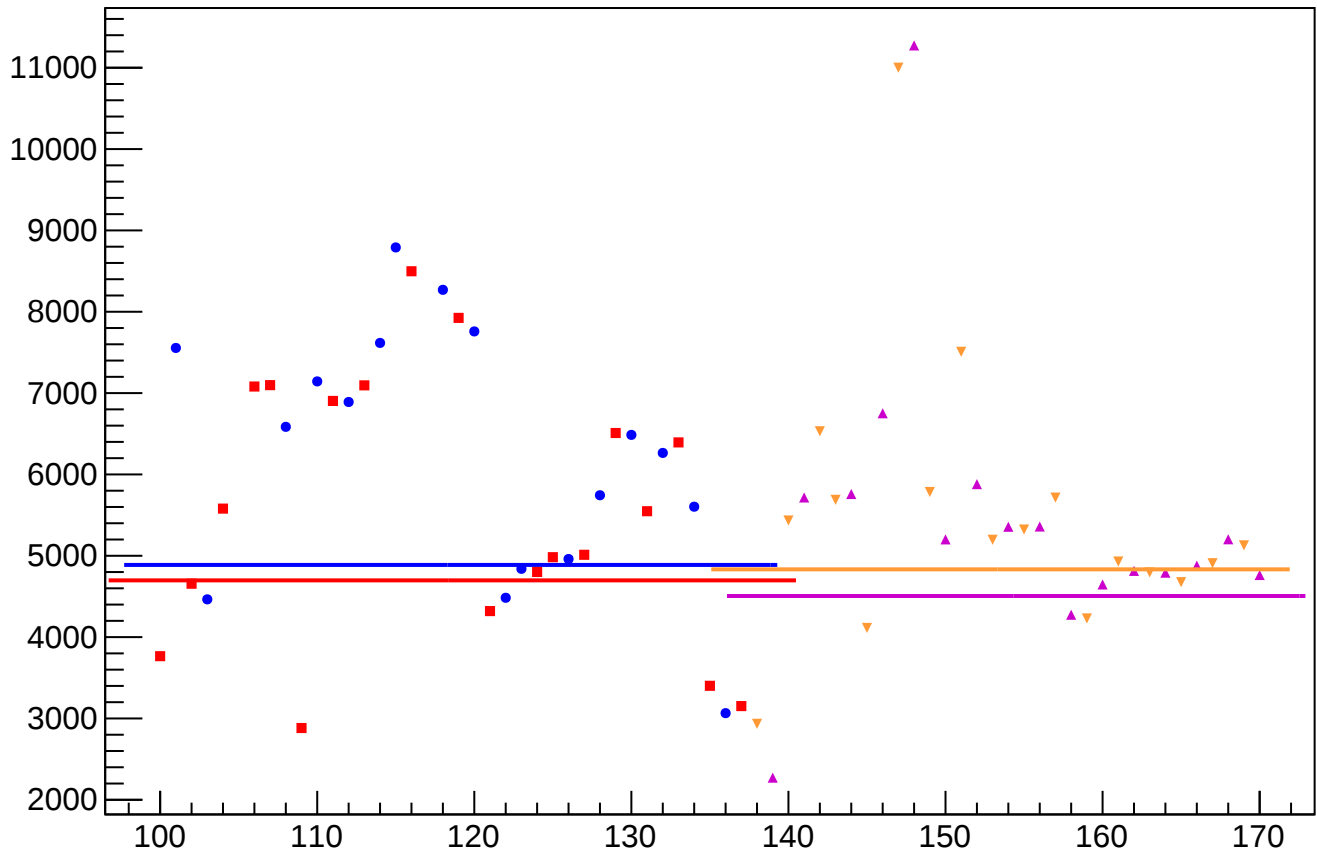
Left In: -0.582 ± 1.357 χ^2/NDF : 28.2/15

+ sign -2.081 ± 1.160 χ^2/NDF : 25.5/33

All: -1.194 ± 0.799 χ^2/NDF : 77.0/68

- sign -0.393 ± 1.103 χ^2/NDF : 50.4/34

diff_bpm12Y_rms vs Slug



Right In: 4887.515+/-1.418 χ^2/NDF : 1409296.8/16

Left Out: 4833.249+/-1.006 χ^2/NDF : 1473749.0/16

Right Out: 4697.726+/-1.336 χ^2/NDF : 1313121.0/18

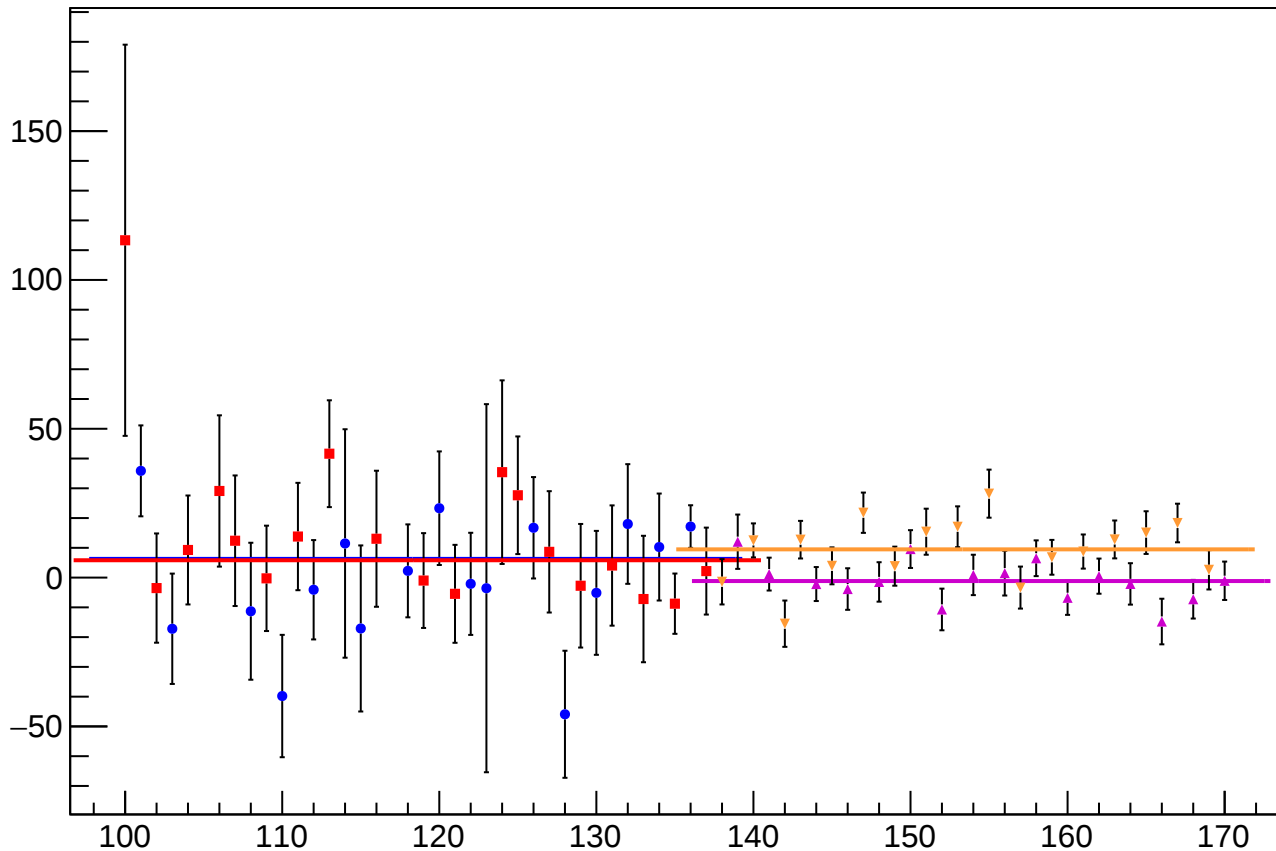
Left In: 4505.642+/-0.960 χ^2/NDF : 2431637.1/15

+ sign 4851.399+/-0.820 χ^2/NDF : 2884019.8/33

All: 4704.076+/-0.565 χ^2/NDF : 6703787.9/68

- sign 4571.014+/-0.780 χ^2/NDF : 3758386.3/34

diff_bpm16X_mean vs Slug



Right In: 6.283 ± 4.064 χ^2/NDF : 22.5/16

Left Out: 9.487 ± 1.613 χ^2/NDF : 32.3/16

Right Out: 5.828 ± 4.219 χ^2/NDF : 13.8/18

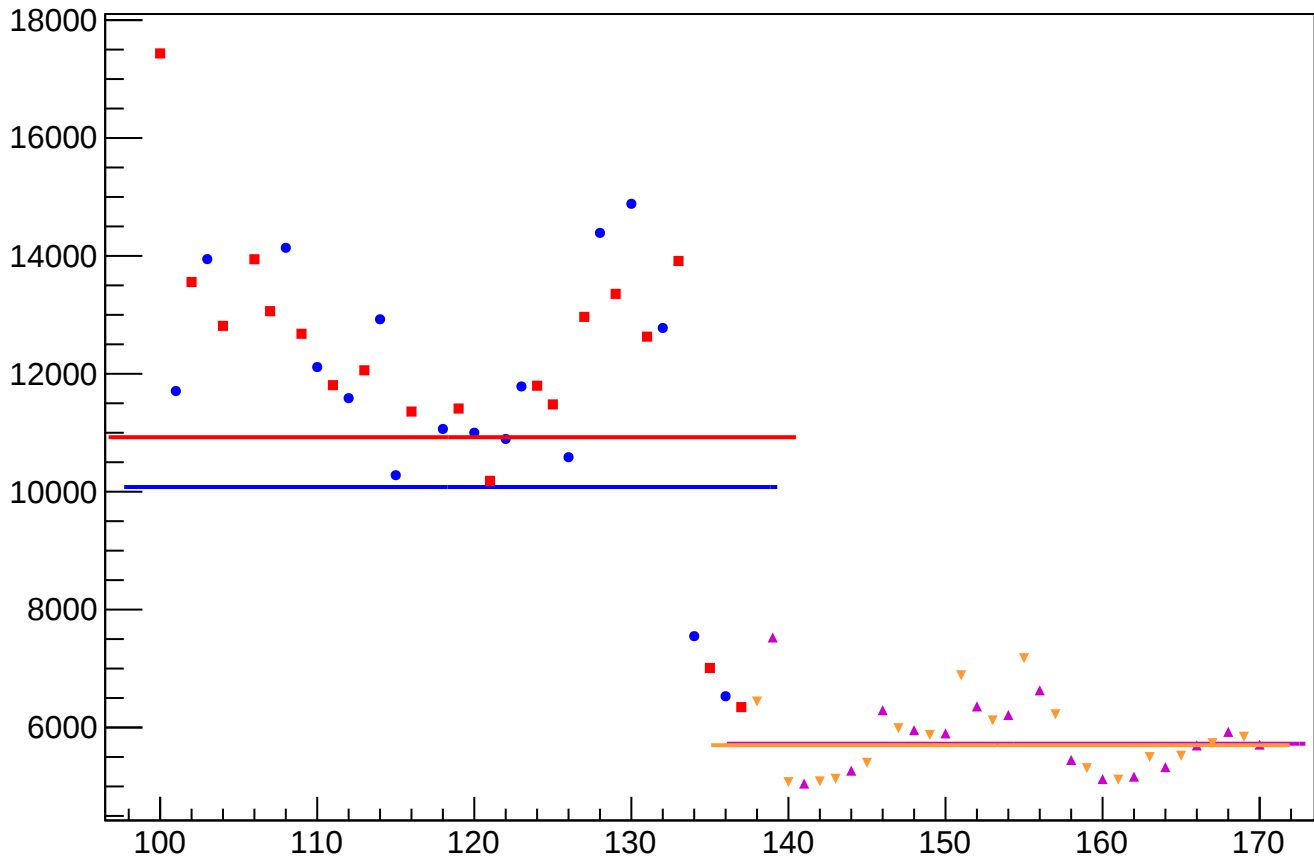
Left In: -1.159 ± 1.631 χ^2/NDF : 14.1/15

+ sign 9.051 ± 1.499 χ^2/NDF : 55.4/33

All: 4.469 ± 1.068 χ^2/NDF : 104.6/68

- sign -0.250 ± 1.522 χ^2/NDF : 30.3/34

diff_bpm16X_rms vs Slug



Right In: 10079.454 $\pm$ 2.874 χ^2 /NDF: 994683.1/16

Left Out: 5699.855 $\pm$ 1.141 χ^2 /NDF:247627.0/16

+ sign 6295.862 $\pm$ 1.060 χ^2 /NDF: 3248785.6/33

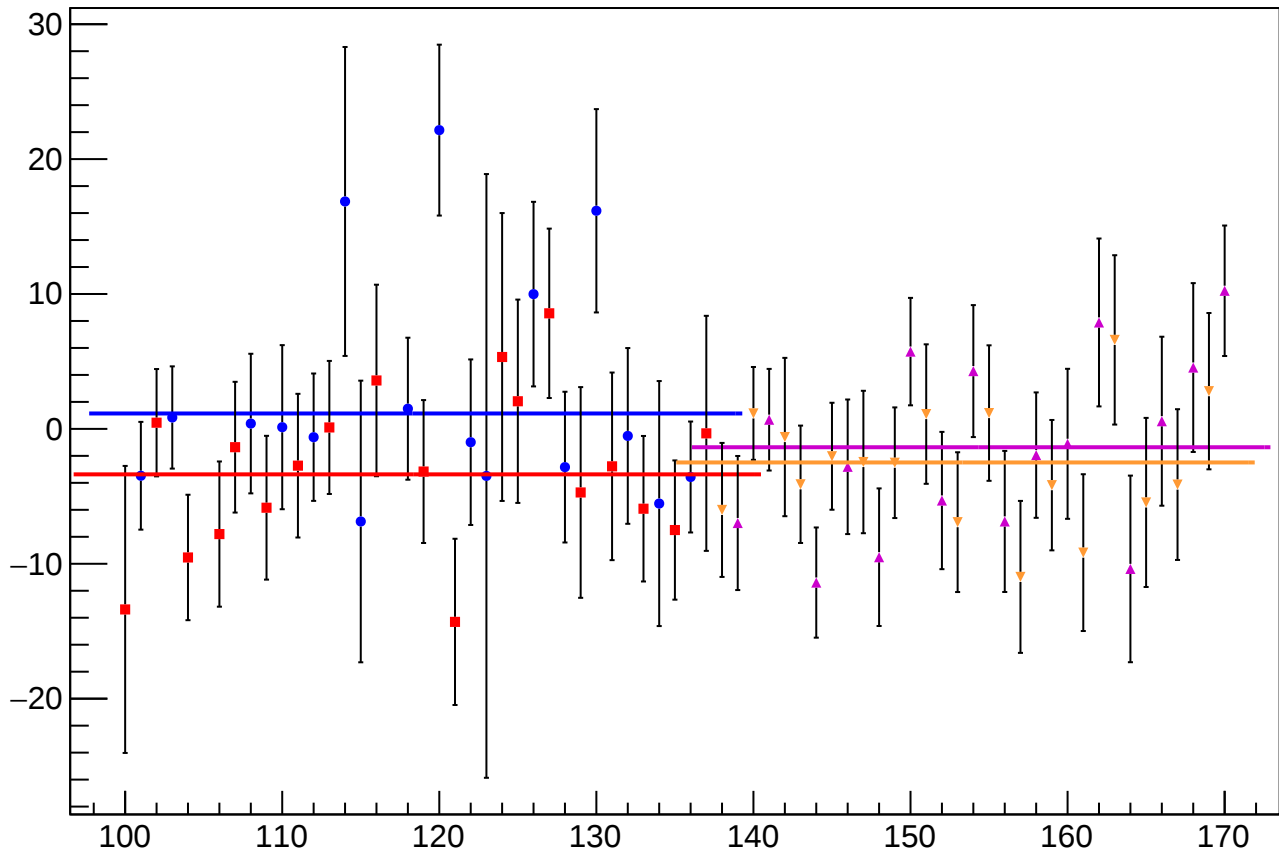
Right Out: 10924.541 $\pm$ 2.983 χ^2 /NDF: 768447.5/18

All: 6347.832 $\pm$ 0.755 χ^2 /NDF: 6910687.8/68

- sign 6401.369 $\pm$ 1.076 χ^2 /NDF: 3657023.4/34

Left In: 5725.005 $\pm$ 1.154 χ^2 /NDF:246162.1/15

diff_bpm16Y_mean vs Slug



Right In: 1.142 ± 1.395 χ^2/NDF : 23.2/16

Left Out: -2.489 ± 1.198 χ^2/NDF : 10.6/16

Right Out: -3.371 ± 1.333 χ^2/NDF : 15.1/18

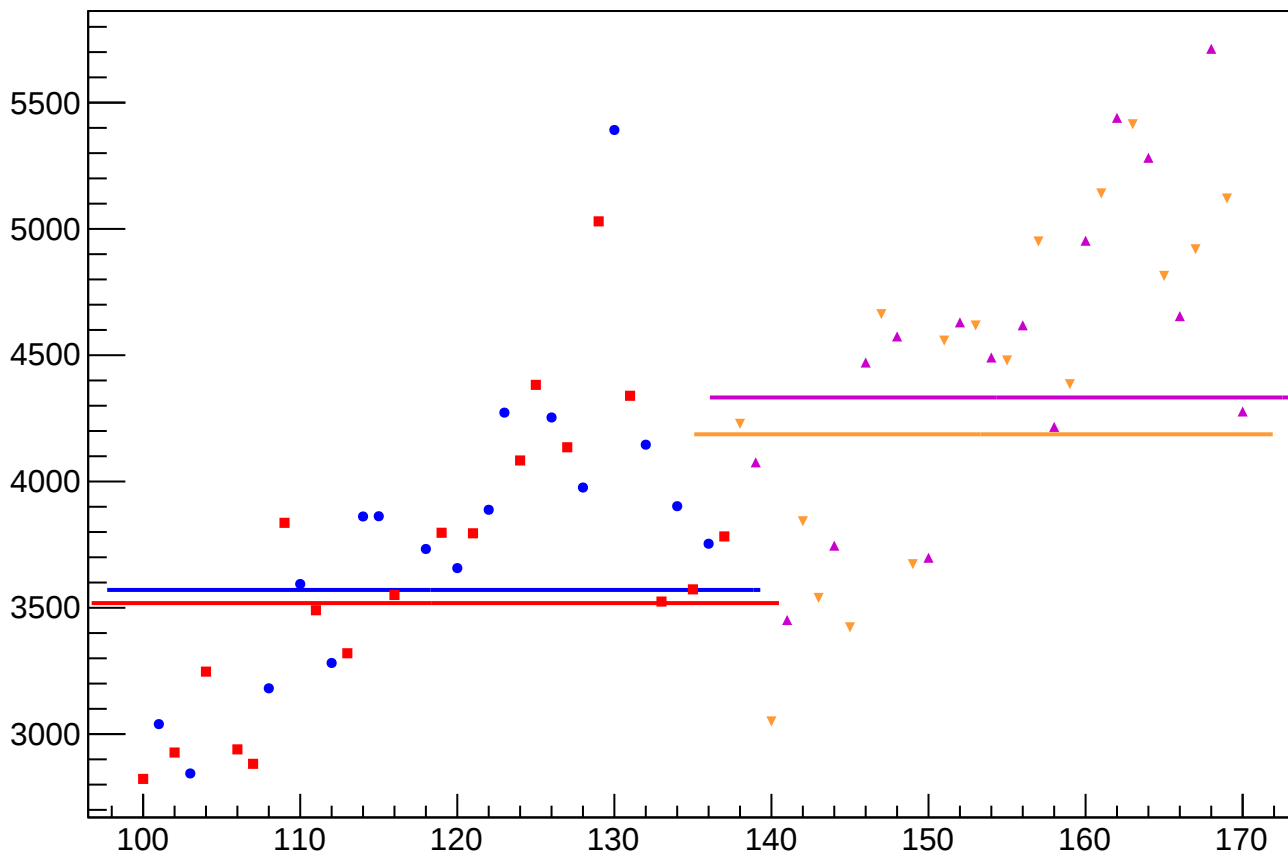
Left In: -1.361 ± 1.242 χ^2/NDF : 27.1/15

+ sign -0.947 ± 0.909 χ^2/NDF : 37.7/33

All: -1.621 ± 0.643 χ^2/NDF : 82.2/68

- sign -2.295 ± 0.909 χ^2/NDF : 43.4/34

diff_bpm16Y_rms vs Slug



Right In: 3570.707+/-0.987 χ^2/NDF : 309568.0/16

Left Out: 4186.917+/-0.847 χ^2/NDF : 699214.4/16

Right Out: 3518.621+/-0.943 χ^2/NDF : 293227.8/18

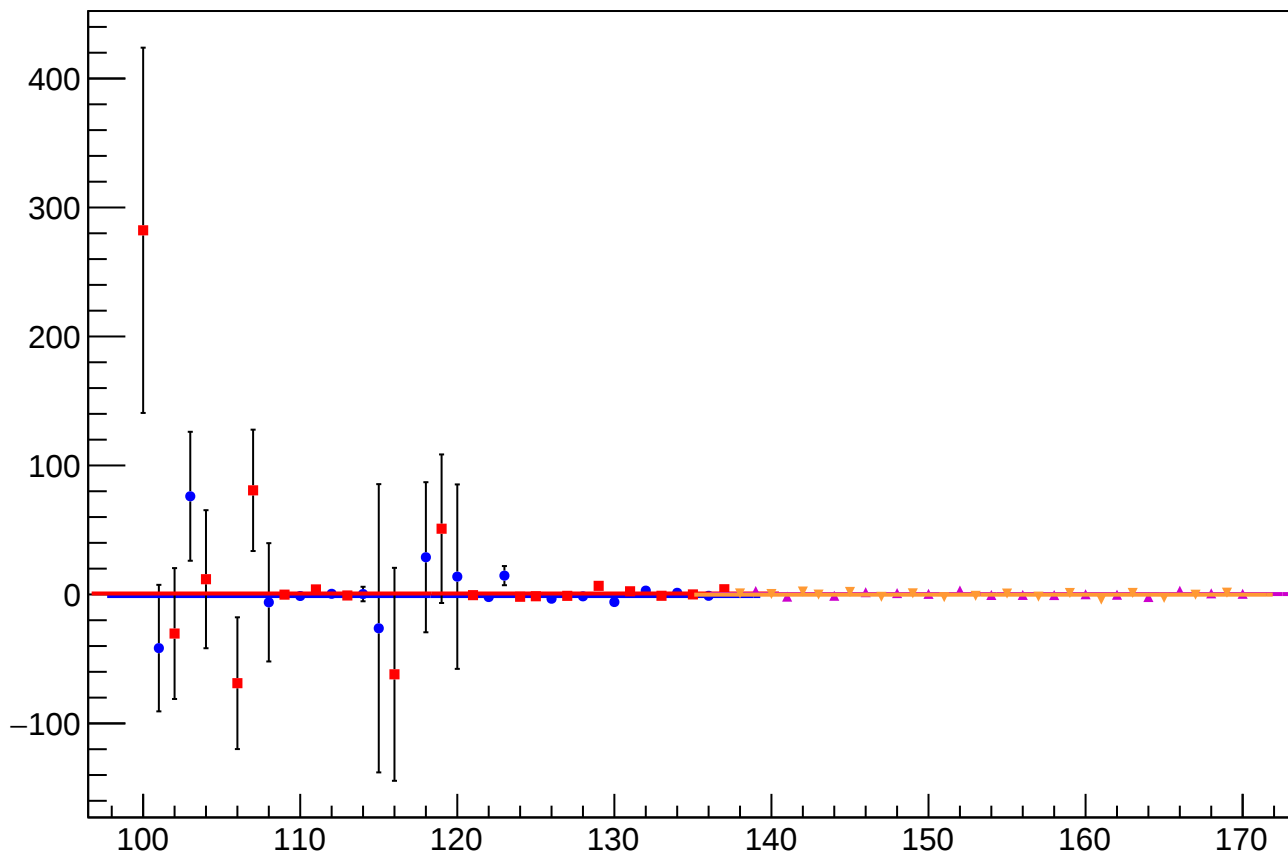
Left In: 4332.630+/-0.878 χ^2/NDF : 457614.3/15

+ sign 3925.380+/-0.643 χ^2/NDF : 1233331.3/33

All: 3939.951+/-0.454 χ^2/NDF : 2384483.8/68

- sign 3954.512+/-0.642 χ^2/NDF : 1150124.8/34

diff_bpm1p02bX_mean vs Slug



Right In: -1.261 ± 0.748 χ^2/NDF : 16.3/16

Left Out: -0.165 ± 0.297 χ^2/NDF : 31.7/16

Right Out: 0.733 ± 0.710 χ^2/NDF : 22.1/18

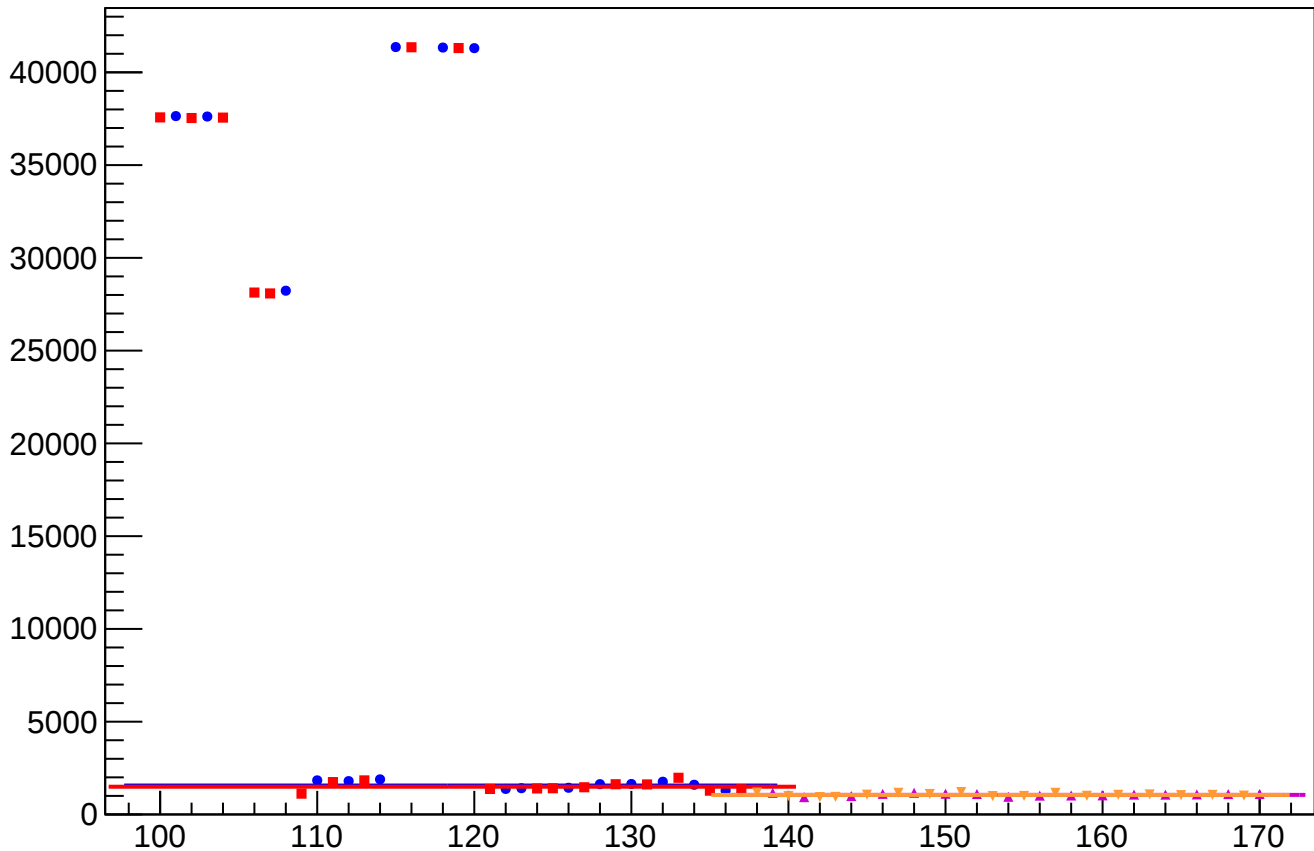
Left In: 0.290 ± 0.300 χ^2/NDF : 22.2/15

+ sign -0.314 ± 0.276 χ^2/NDF : 49.8/33

All: 0.021 ± 0.195 χ^2/NDF : 97.4/68

- sign 0.357 ± 0.276 χ^2/NDF : 44.6/34

diff_bpm1p02bX_rms vs Slug



Right In: 1558.988 $\pm$ 0.529 χ^2 /NDF: 4753669.7/16

Left Out: 1051.900 $\pm$ 0.210 χ^2 /NDF:131645.5/16

Right Out: 1494.619 $\pm$ 0.502 χ^2 /NDF: 4892920.0/18

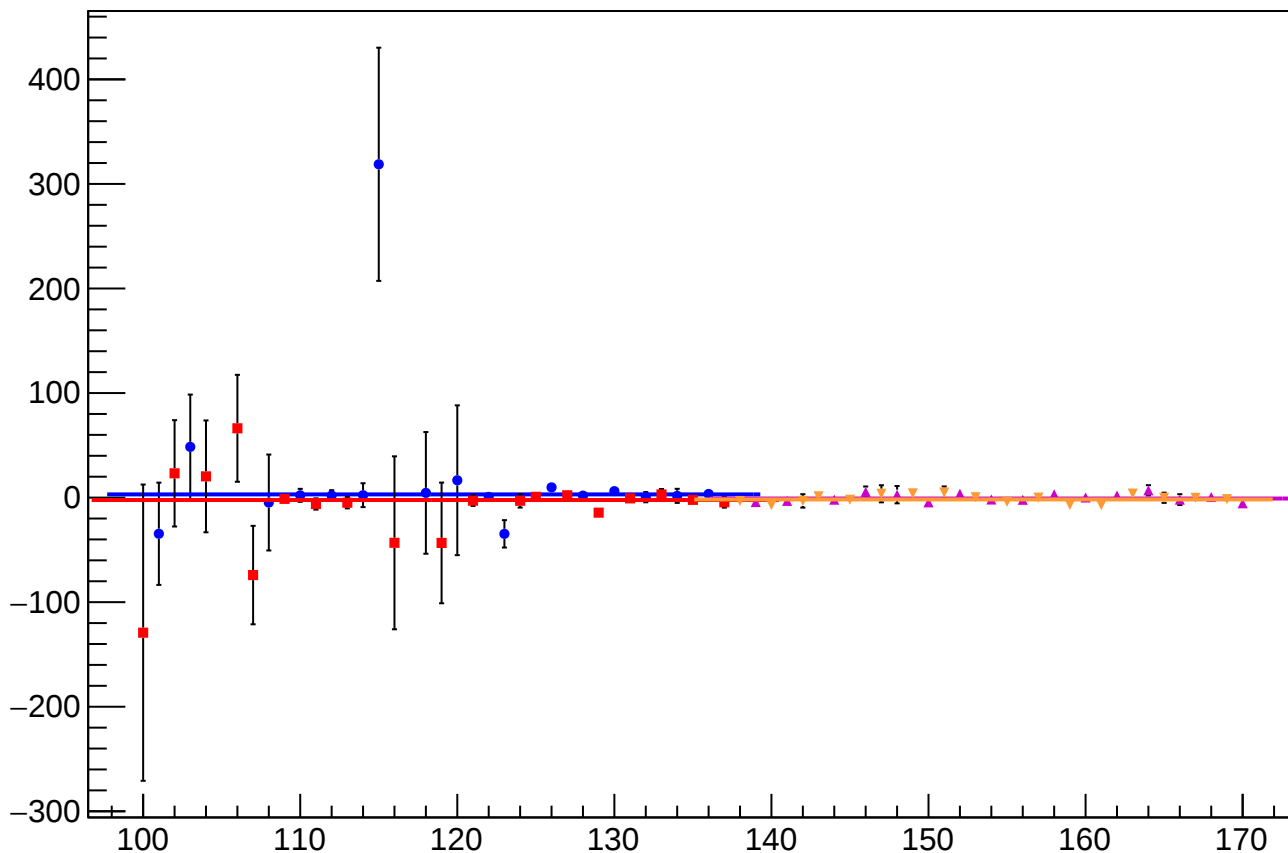
Left In: 1054.553 $\pm$ 0.212 χ^2 /NDF:104925.1/15

+ sign 1120.822 $\pm$ 0.195 χ^2 /NDF: 5679849.7/33

All: 1120.947 $\pm$ 0.138 χ^2 /NDF: 11329348.8/6

- sign 1121.073 $\pm$ 0.195 χ^2 /NDF: 5649498.3/34

diff_bpm1p02bY_mean vs Slug



Right In: 3.075+/-1.323 χ^2/NDF : 21.9/16

Left Out: -1.753+/-0.973 χ^2/NDF : 12.1/16

Right Out: -2.306+/-1.235 χ^2/NDF : 16.9/18

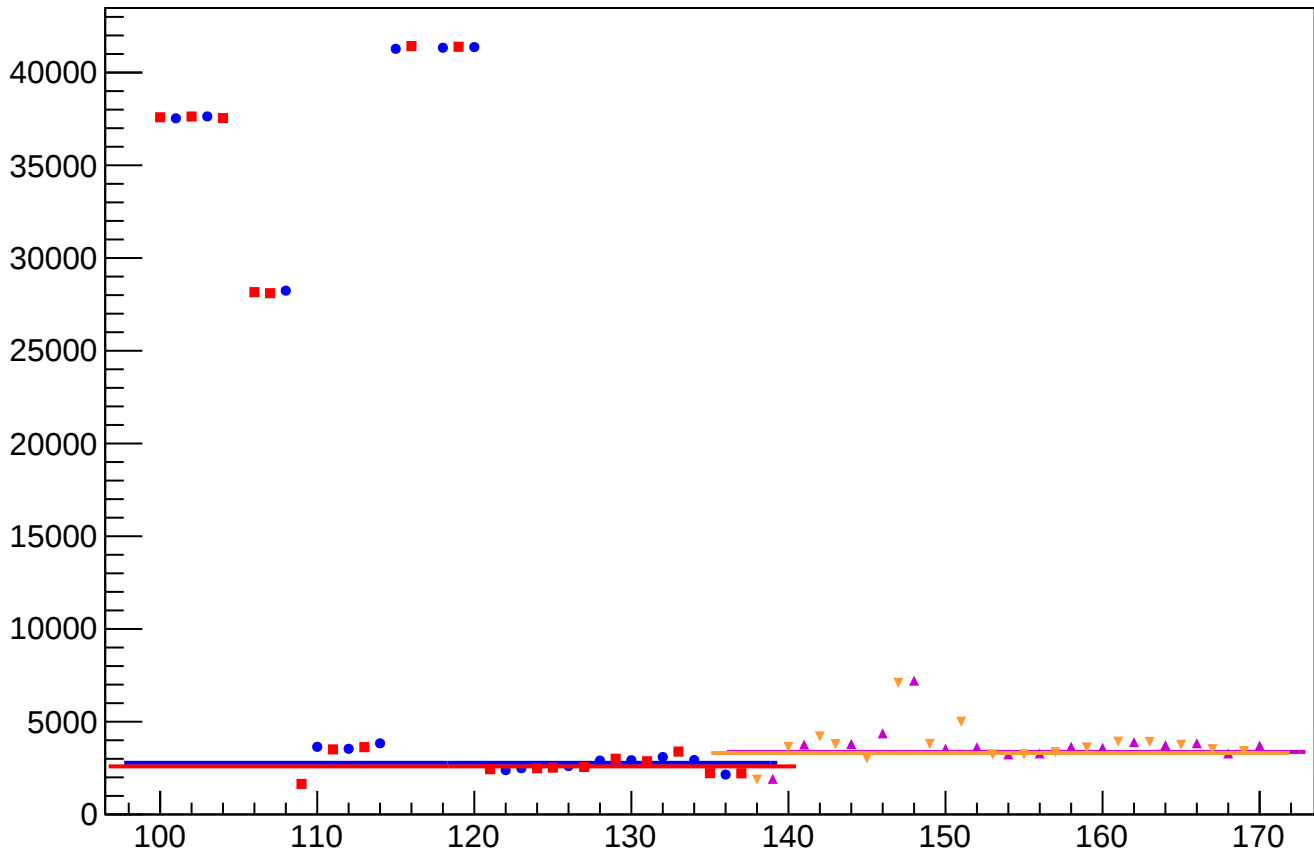
Left In: -0.881+/-0.992 χ^2/NDF : 12.0/15

+ sign -0.059+/-0.784 χ^2/NDF : 42.6/33

All: -0.759+/-0.550 χ^2/NDF : 73.9/68

- sign -1.440+/-0.773 χ^2/NDF : 29.7/34

diff_bpm1p02bY_rms vs Slug



Right In: 2783.989+/-0.936 χ^2/NDF : 4577424.2/16

Left Out: 3315.544+/-0.688 χ^2/NDF : 1618061.0/16

Right Out: 2591.161+/-0.873 χ^2/NDF : 4846722.1/18

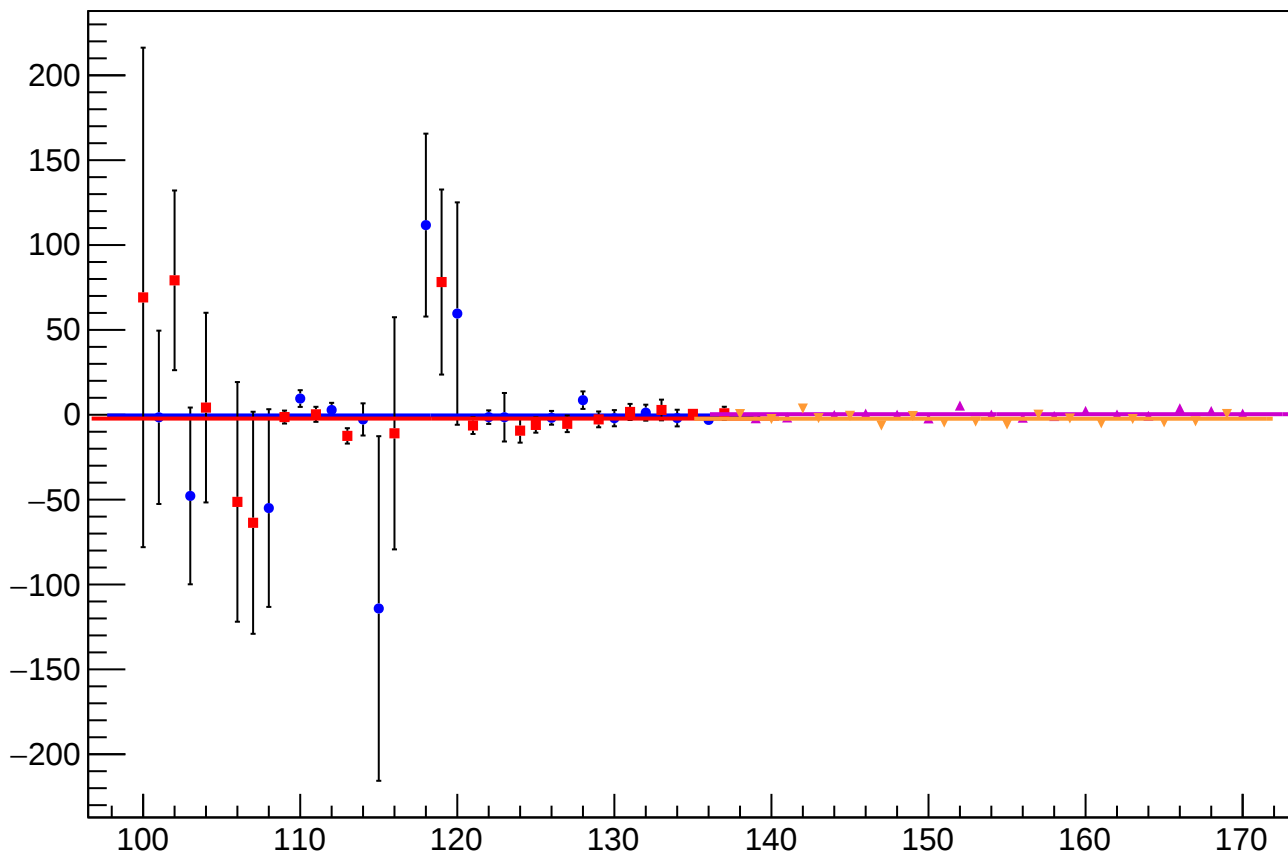
Left In: 3371.907+/-0.701 χ^2/NDF : 1402986.8/15

+ sign 3129.073+/-0.554 χ^2/NDF : 6405011.6/33

All: 3096.914+/-0.389 χ^2/NDF : 13147467.2/6

- sign 3065.610+/-0.547 χ^2/NDF : 6735810.2/34

diff_bpm1p03aX_mean vs Slug



Right In: -0.403 ± 1.218 χ^2/NDF : 18.3/16

Left Out: -2.331 ± 0.468 χ^2/NDF : 26.9/16

Right Out: -2.245 ± 1.246 χ^2/NDF : 17.4/18

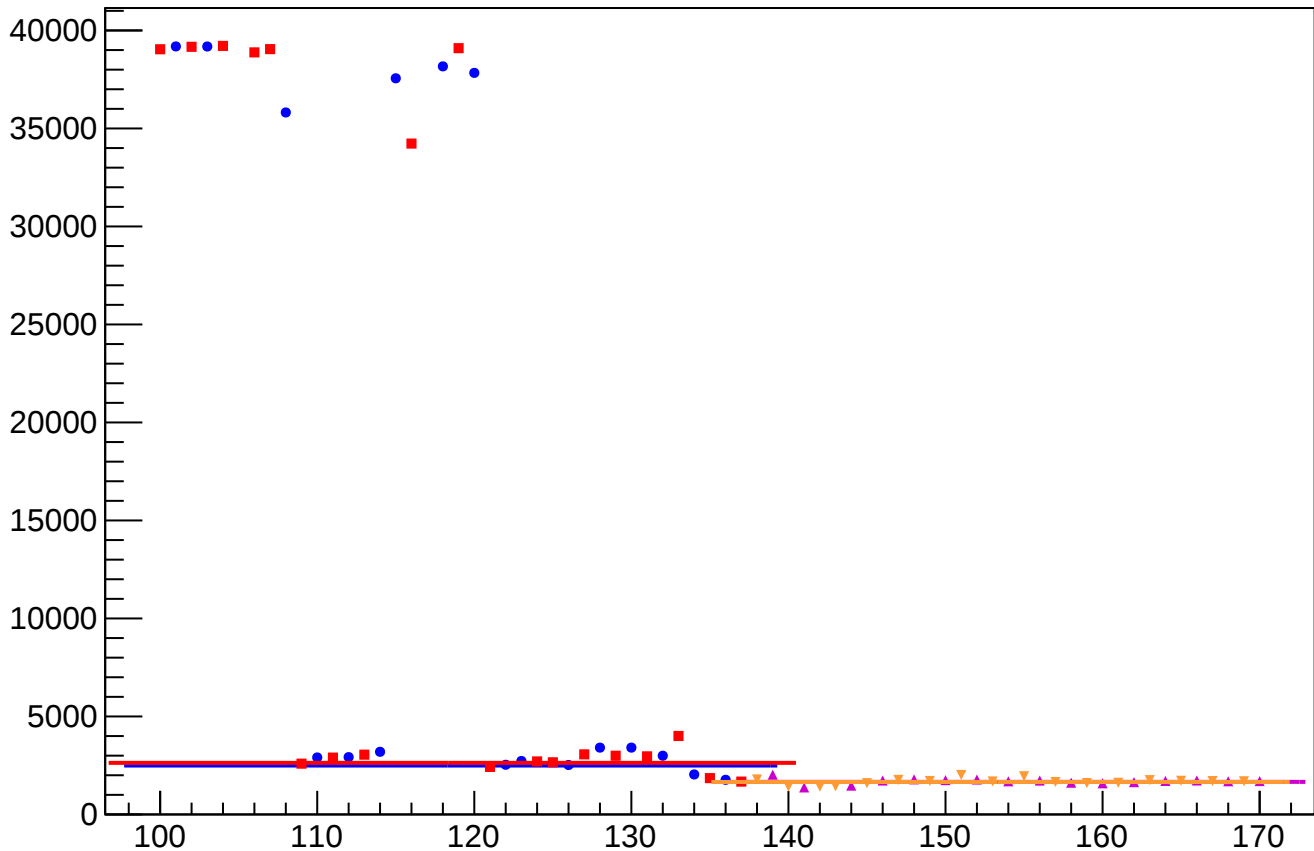
Left In: 0.335 ± 0.473 χ^2/NDF : 17.2/15

+ sign -2.083 ± 0.437 χ^2/NDF : 47.3/33

All: -1.049 ± 0.311 χ^2/NDF : 97.1/68

- sign 0.010 ± 0.442 χ^2/NDF : 38.4/34

diff_bpm1p03aX_rms vs Slug



Right In: 2495.603 $\pm$ 0.861 χ^2 /NDF: 4882334.6/16

Left Out: 1656.694 $\pm$ 0.331 χ^2 /NDF: 213035.0/16

Right Out: 2633.244 $\pm$ 0.881 χ^2 /NDF: 4860512.6/18

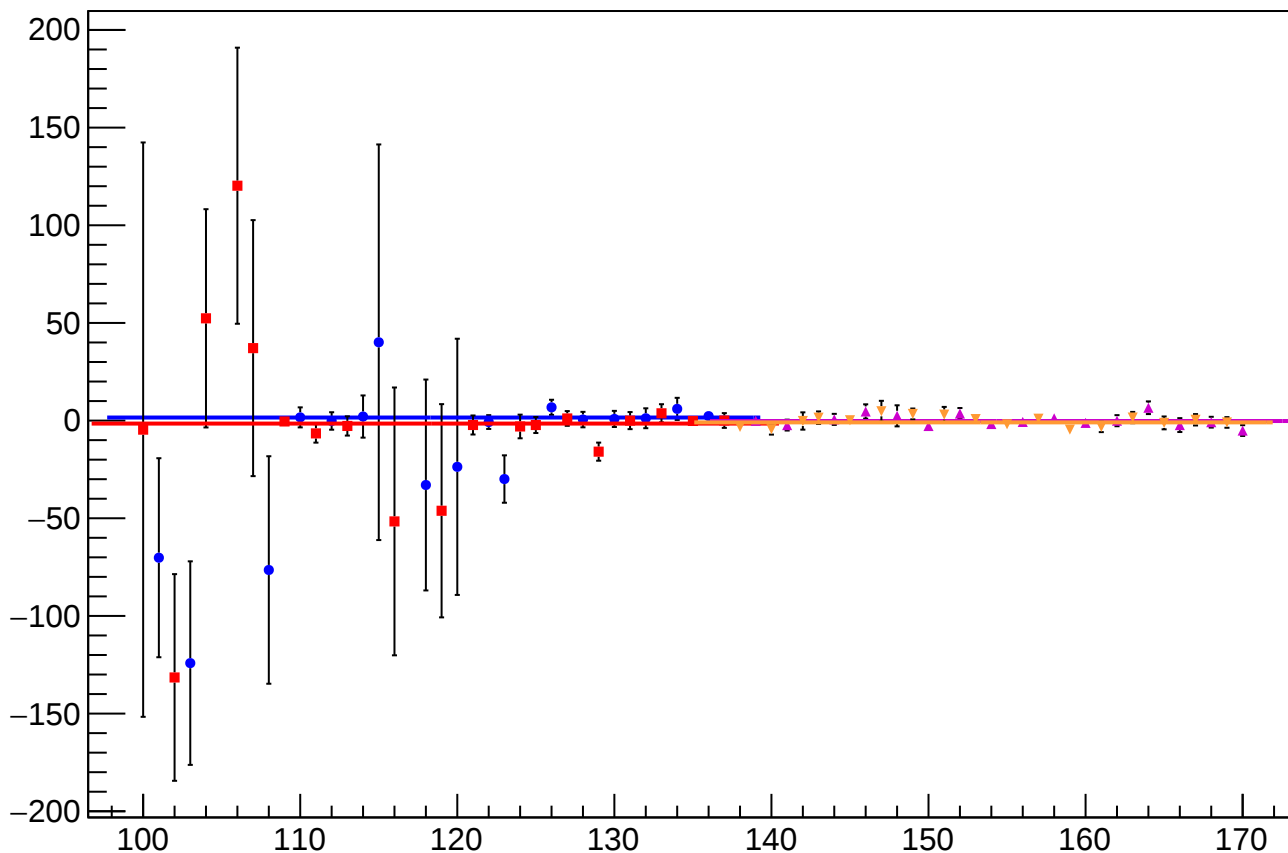
Left In: 1662.400 $\pm$ 0.335 χ^2 /NDF: 178188.0/15

+ sign 1764.699 $\pm$ 0.309 χ^2 /NDF: 5922229.5/33

All: 1774.623 $\pm$ 0.220 χ^2 /NDF: 12024285.7/6

- sign 1784.794 $\pm$ 0.313 χ^2 /NDF: 6099967.3/34

diff_bpm1p03aY_mean vs Slug



Right In: 1.576 ± 1.143 χ^2/NDF : 20.3/16

Left Out: -0.907 ± 0.643 χ^2/NDF : 14.8/16

Right Out: -1.524 ± 1.062 χ^2/NDF : 25.0/18

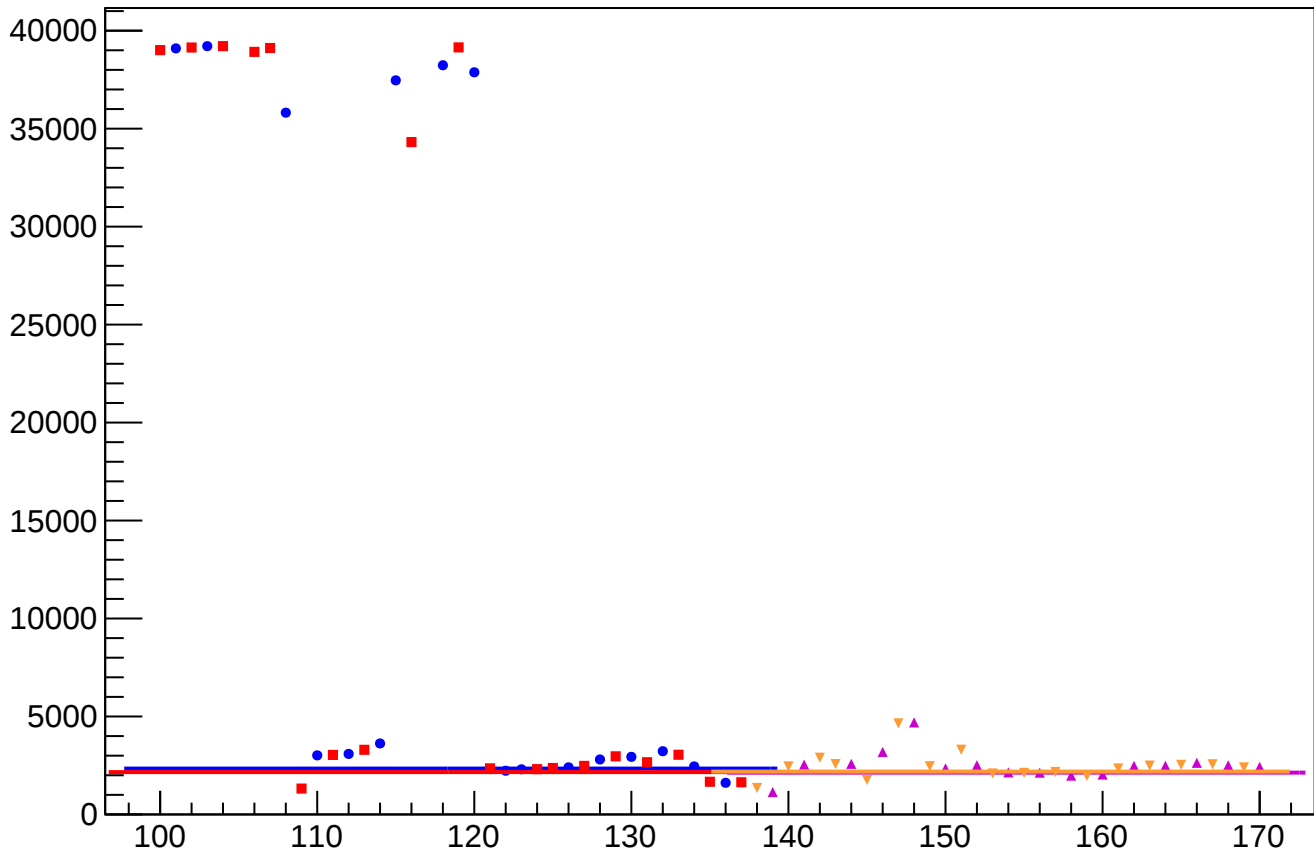
Left In: -0.213 ± 0.636 χ^2/NDF : 14.5/15

+ sign -0.309 ± 0.561 χ^2/NDF : 38.7/33

All: -0.437 ± 0.391 χ^2/NDF : 79.4/68

- sign -0.559 ± 0.546 χ^2/NDF : 40.6/34

diff_bpm1p03aY_rms vs Slug



Right In: 2341.130+/-0.808 χ^2/NDF : 5006864.7/16

Left Out: 2188.196+/-0.455 χ^2/NDF :1390852.2/16

Right Out: 2161.162+/-0.751 χ^2/NDF : 5299050.1/18

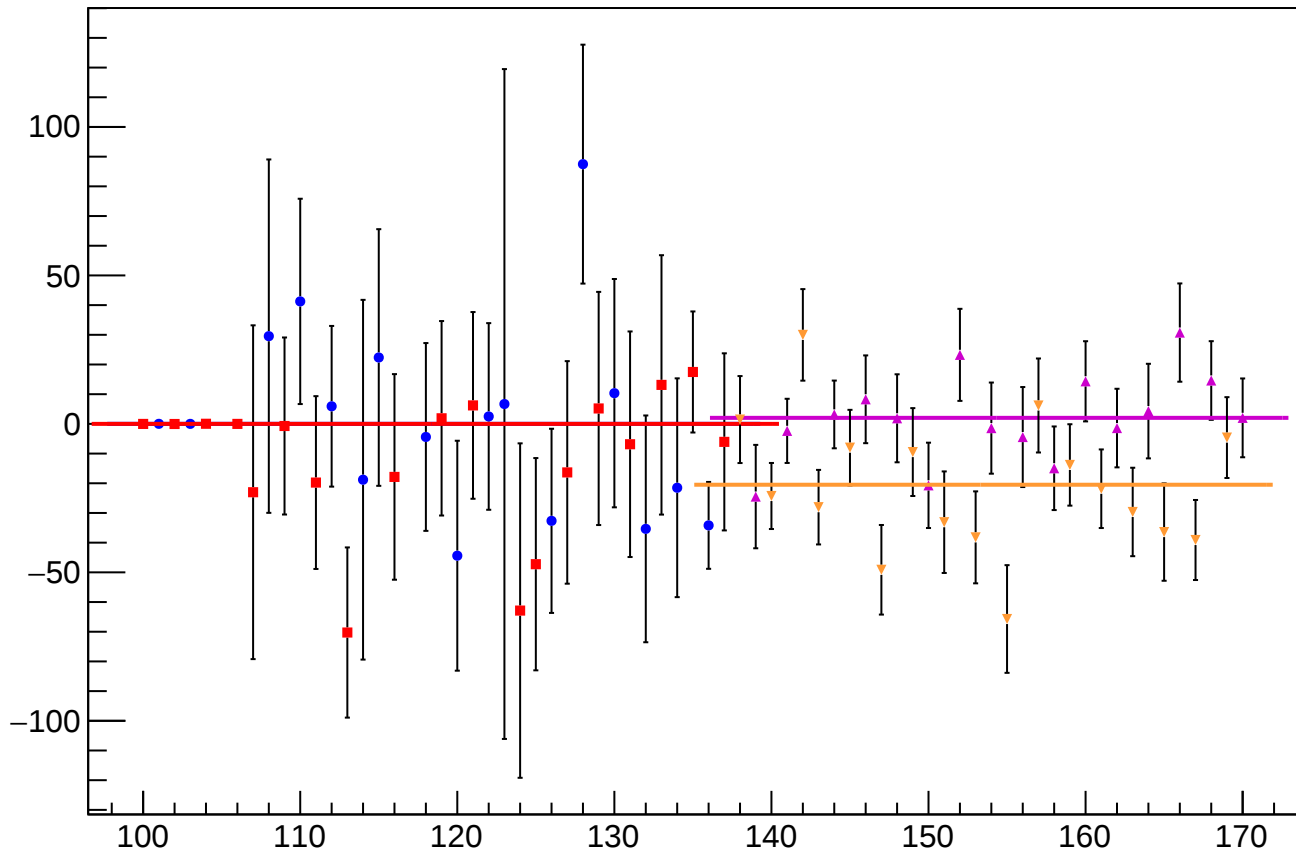
Left In: 2134.469+/-0.450 χ^2/NDF :1943731.5/15

+ sign 2225.005+/-0.396 χ^2/NDF : 6424906.3/33

All: 2182.110+/-0.276 χ^2/NDF : 13691399.7/6

- sign 2141.510+/-0.386 χ^2/NDF : 7243711.5/34

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 16.2/16

Left Out: -20.494 ± 3.467 χ^2/NDF : 34.3/16

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.9/18

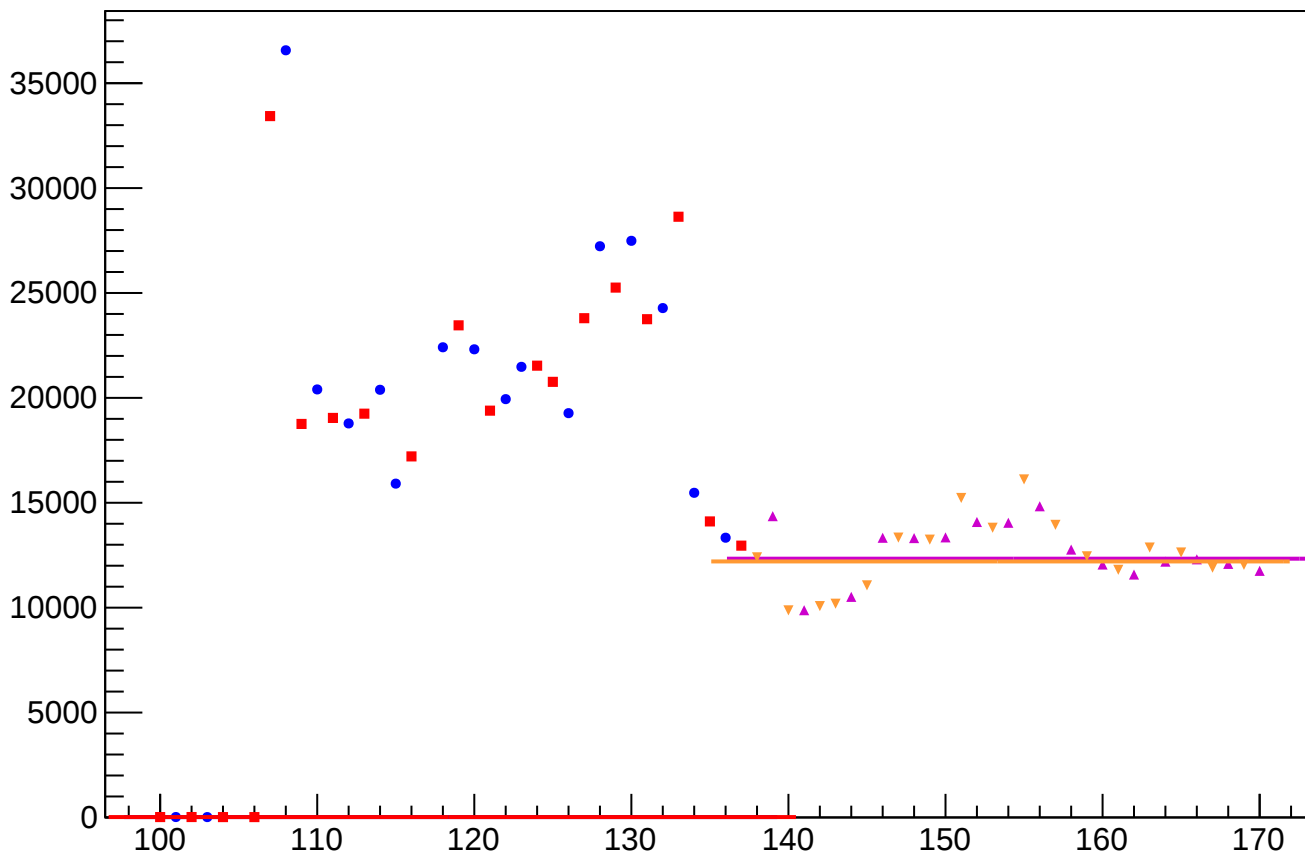
Left In: 2.035 ± 3.521 χ^2/NDF : 13.5/15

+ sign 0.013 ± 0.017 χ^2/NDF : 85.4/33

All: 0.008 ± 0.012 χ^2/NDF : 115.4/68

- sign 0.003 ± 0.016 χ^2/NDF : 29.7/34

diff_cav4bX_rms vs Slug



Right In: 18.642 $\pm$ 0.012 χ^2 /NDF: 10984160.5/16

Left Out: 12203.482 $\pm$ 2.451 χ^2 /NDF: 425493.0/16

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11110665.6/18

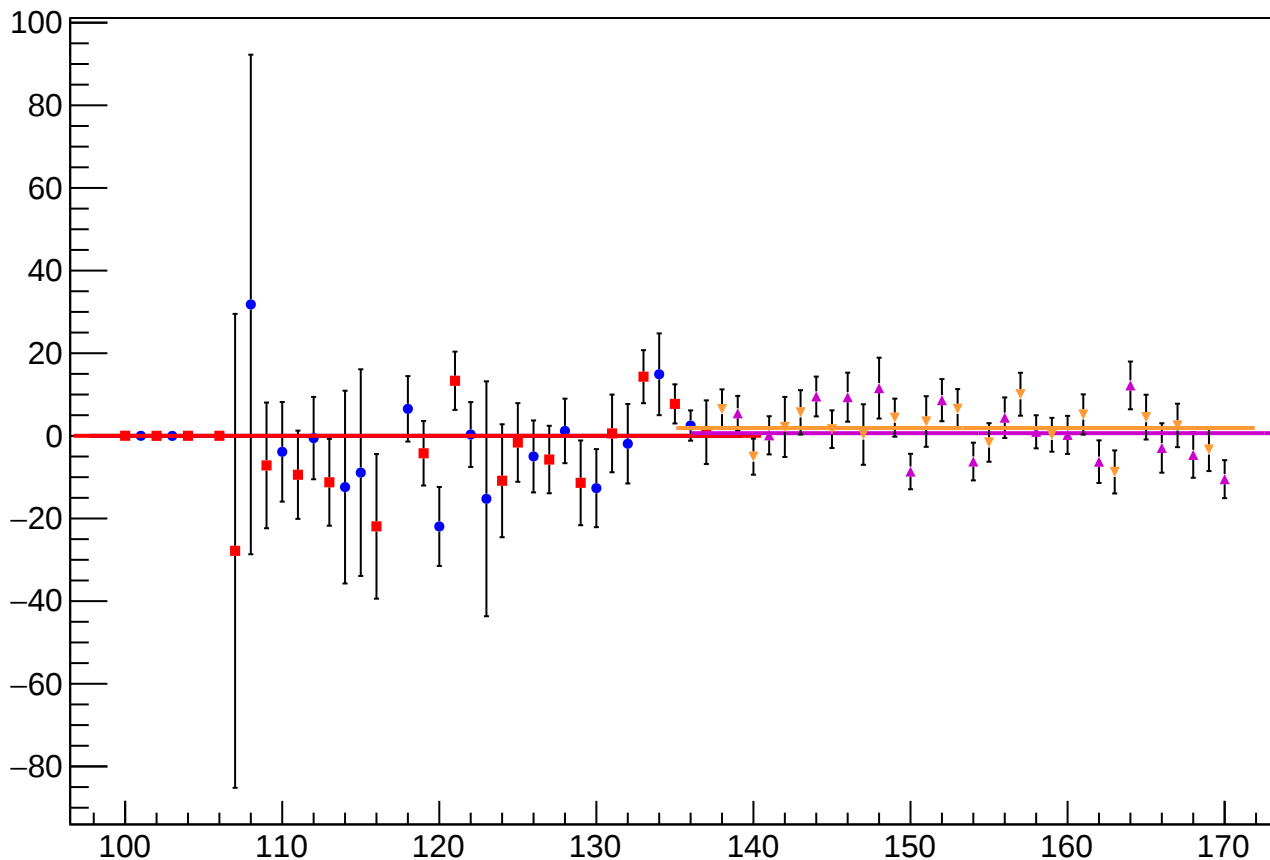
Left In: 12334.482 $\pm$ 2.490 χ^2 /NDF: 317488.7/15

+ sign 18.946 $\pm$ 0.012 χ^2 /NDF: 36113931.0/33

All: 18.743 $\pm$ 0.008 χ^2 /NDF: 72013812.7/68

- sign 18.568 $\pm$ 0.011 χ^2 /NDF: 35899369.7/34

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 13.0/16

Left Out: 1.909 $\pm$ 1.228 χ^2 /NDF:14.4/16

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.6/18

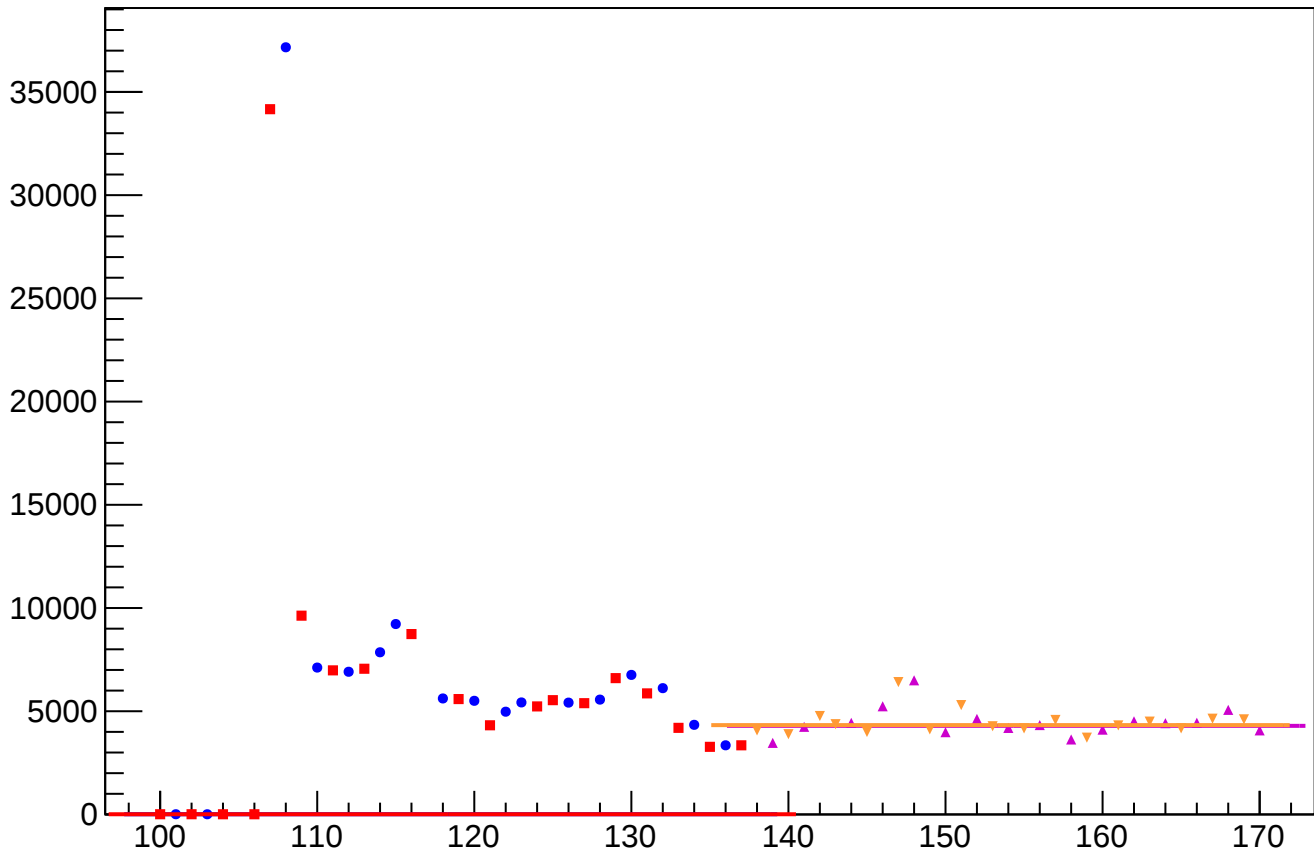
Left In: 0.650 $\pm$ 1.231 χ^2 /NDF:32.0/15

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 29.8/33

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 81.7/68

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 50.8/34

diff_cav4bY_rms vs Slug



Right In: 9.939+/-0.007 χ^2/NDF : 11114526.8/16

Left Out: 4327.162+/-0.869 χ^2/NDF :328392.7/16

Right Out: 9.854+/-0.006 χ^2/NDF : 11159992.3/18

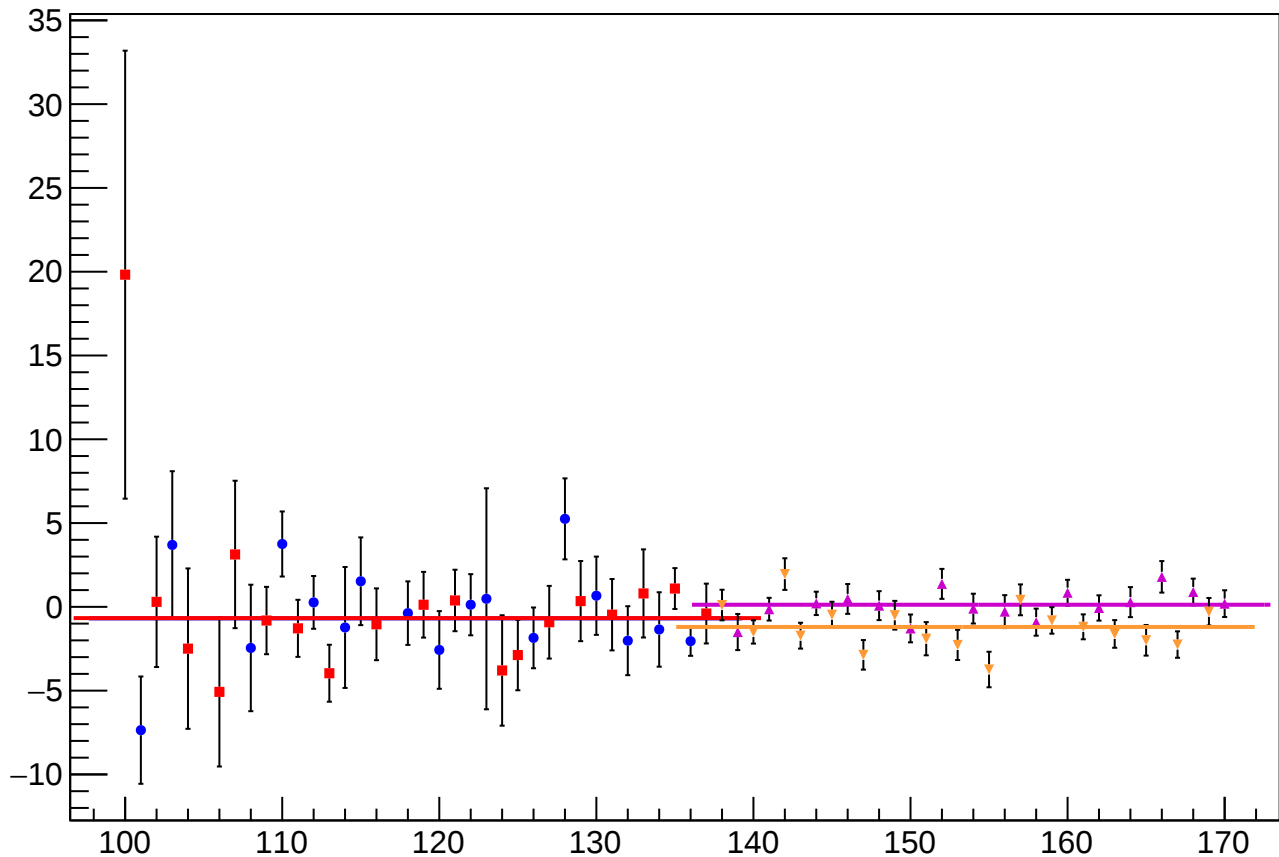
Left In: 4291.993+/-0.870 χ^2/NDF :435969.3/15

+ sign 10.181+/-0.007 χ^2/NDF : 36149618.4/33

All: 10.120+/-0.004 χ^2/NDF : 71957211.2/68

- sign 10.066+/-0.006 χ^2/NDF : 35807425.8/34

diff_cav4cX_mean vs Slug



Right In: -0.689 ± 0.482 χ^2/NDF : 22.5/16

Left Out: -1.200 ± 0.205 χ^2/NDF : 34.0/16

Right Out: -0.672 ± 0.501 χ^2/NDF : 13.3/18

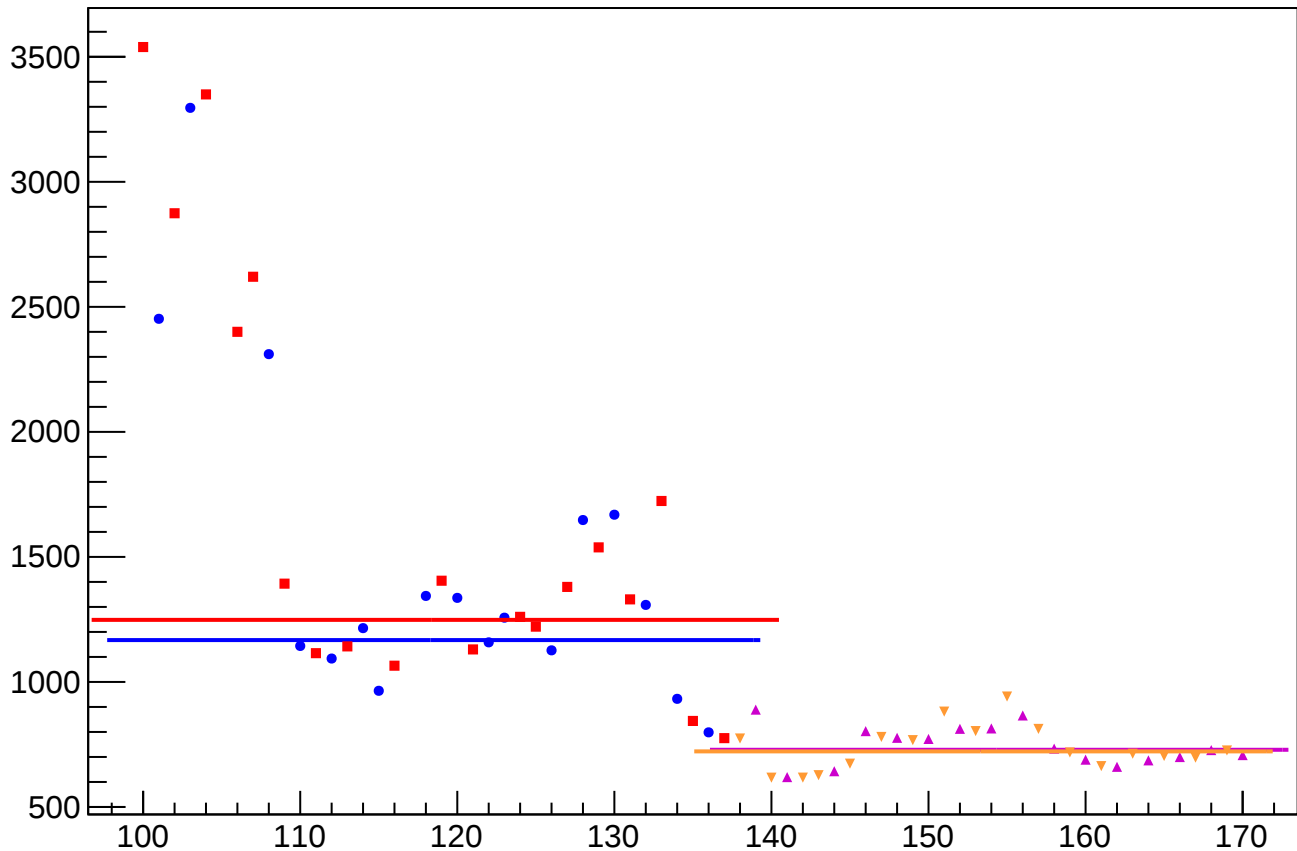
Left In: 0.126 ± 0.208 χ^2/NDF : 14.3/15

+ sign -1.122 ± 0.188 χ^2/NDF : 57.5/33

All: -0.567 ± 0.134 χ^2/NDF : 105.0/68

- sign 0.009 ± 0.192 χ^2/NDF : 29.8/34

diff_cav4cX_rms vs Slug



Right In: 1167.397 $\pm$ 0.341 χ^2 /NDF: 1578328.1/16

Left Out: 722.299 $\pm$ 0.145 χ^2 /NDF: 317660.4/16

Right Out: 1248.241 $\pm$ 0.354 χ^2 /NDF: 1654028.9/18

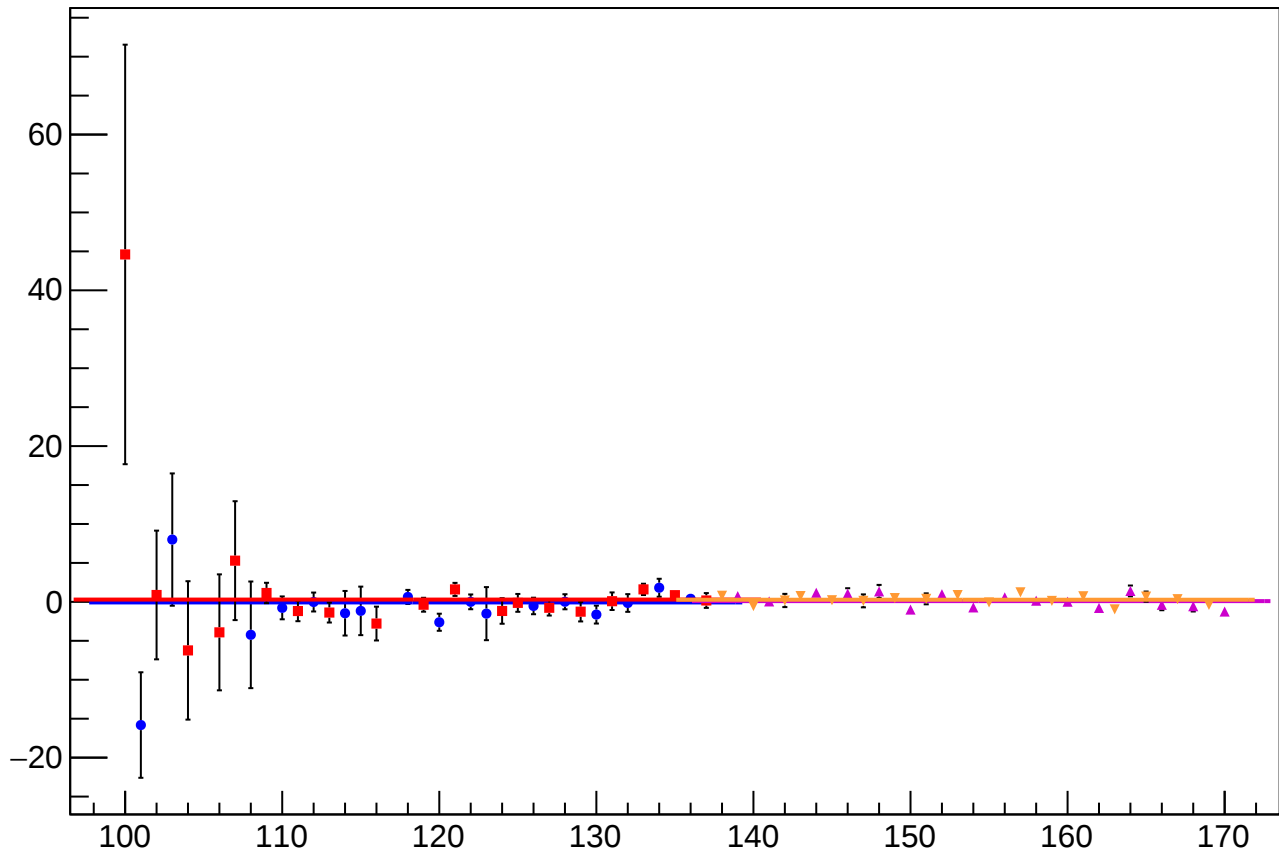
Left In: 728.722 $\pm$ 0.147 χ^2 /NDF: 256728.2/15

+ sign 790.231 $\pm$ 0.133 χ^2 /NDF: 3339544.4/33

All: 797.480 $\pm$ 0.095 χ^2 /NDF: 7093538.0/68

- sign 804.996 $\pm$ 0.136 χ^2 /NDF: 3747962.7/34

diff_cav4cY_mean vs Slug



Right In: -0.072 ± 0.269 χ^2/NDF : 19.2/16

Left Out: 0.273 ± 0.147 χ^2/NDF : 13.8/16

Right Out: 0.294 ± 0.264 χ^2/NDF : 20.2/18

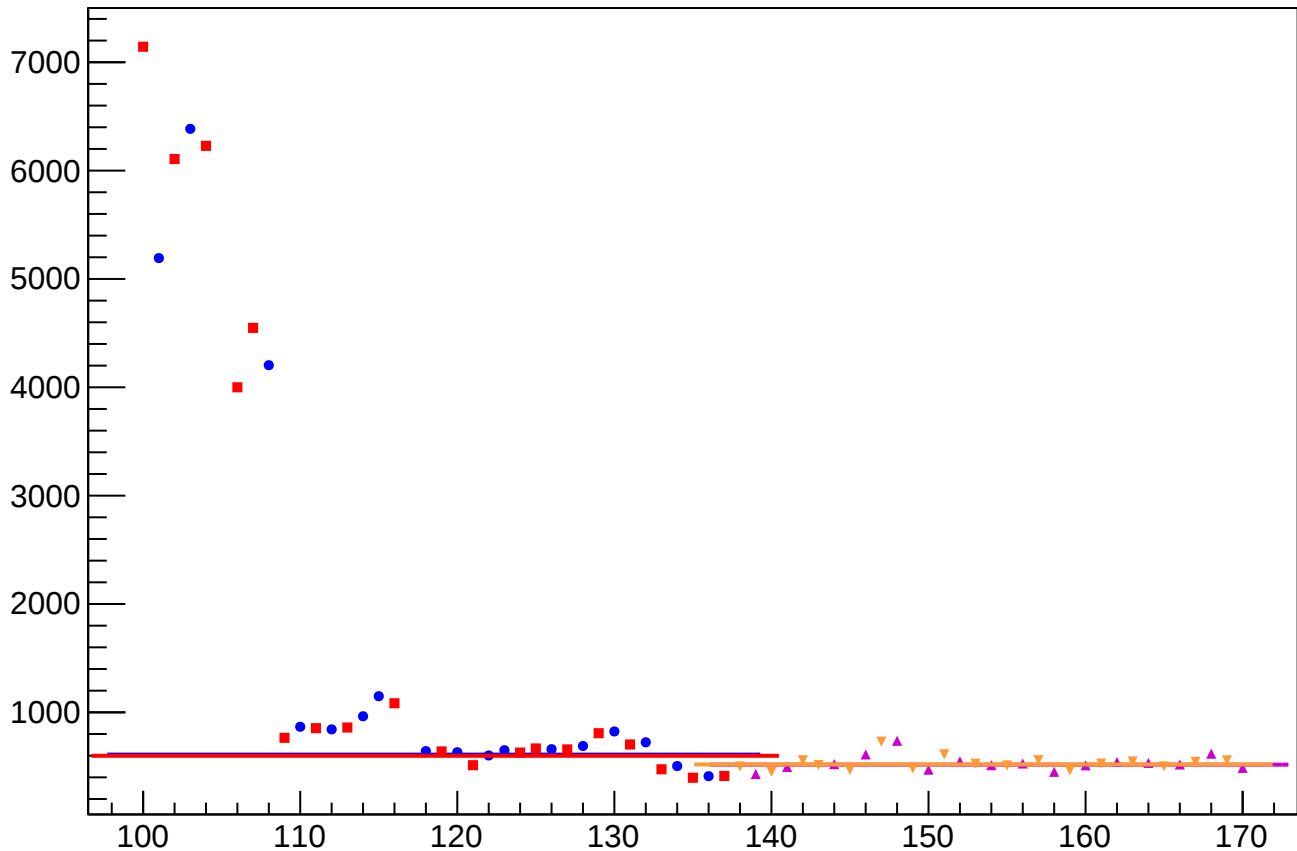
Left In: 0.095 ± 0.148 χ^2/NDF : 31.6/15

+ sign 0.194 ± 0.129 χ^2/NDF : 34.3/33

All: 0.168 ± 0.091 χ^2/NDF : 86.7/68

- sign 0.143 ± 0.129 χ^2/NDF : 52.3/34

diff_cav4cY_rms vs Slug



Right In: 609.780 $\pm$ 0.190 χ^2 /NDF: 3135978.5/16

Left Out: 518.803 $\pm$ 0.104 χ^2 /NDF: 280787.3/16

Right Out: 599.018 $\pm$ 0.187 χ^2 /NDF: 3552387.3/18

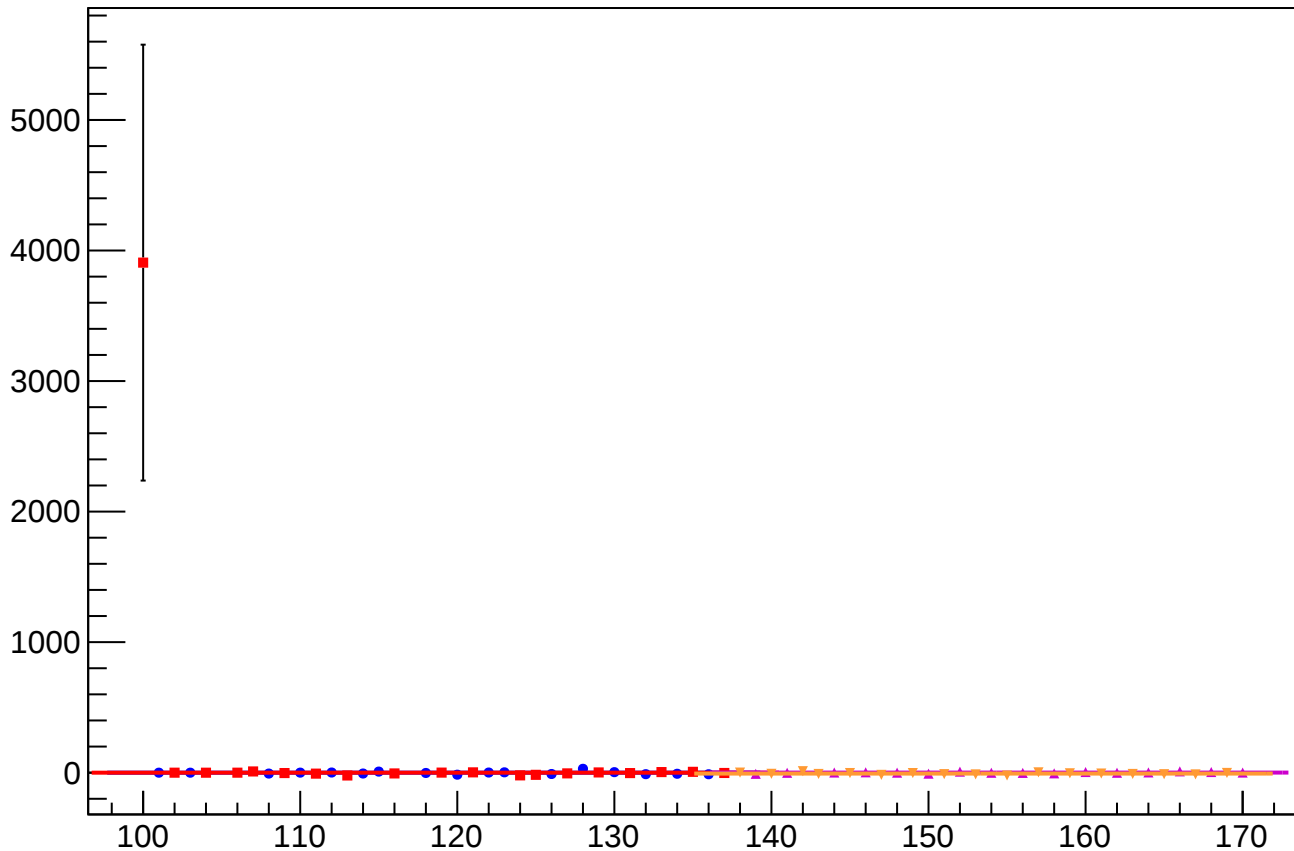
Left In: 517.183 $\pm$ 0.105 χ^2 /NDF: 346748.4/15

+ sign 539.785 $\pm$ 0.091 χ^2 /NDF: 3593319.1/33

All: 538.272 $\pm$ 0.065 χ^2 /NDF: 7639314.7/68

- sign 536.757 $\pm$ 0.091 χ^2 /NDF: 4045444.8/34

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.6/16

Left Out: -6.947 ± 1.193 χ^2/NDF : 34.0/16

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.9/18

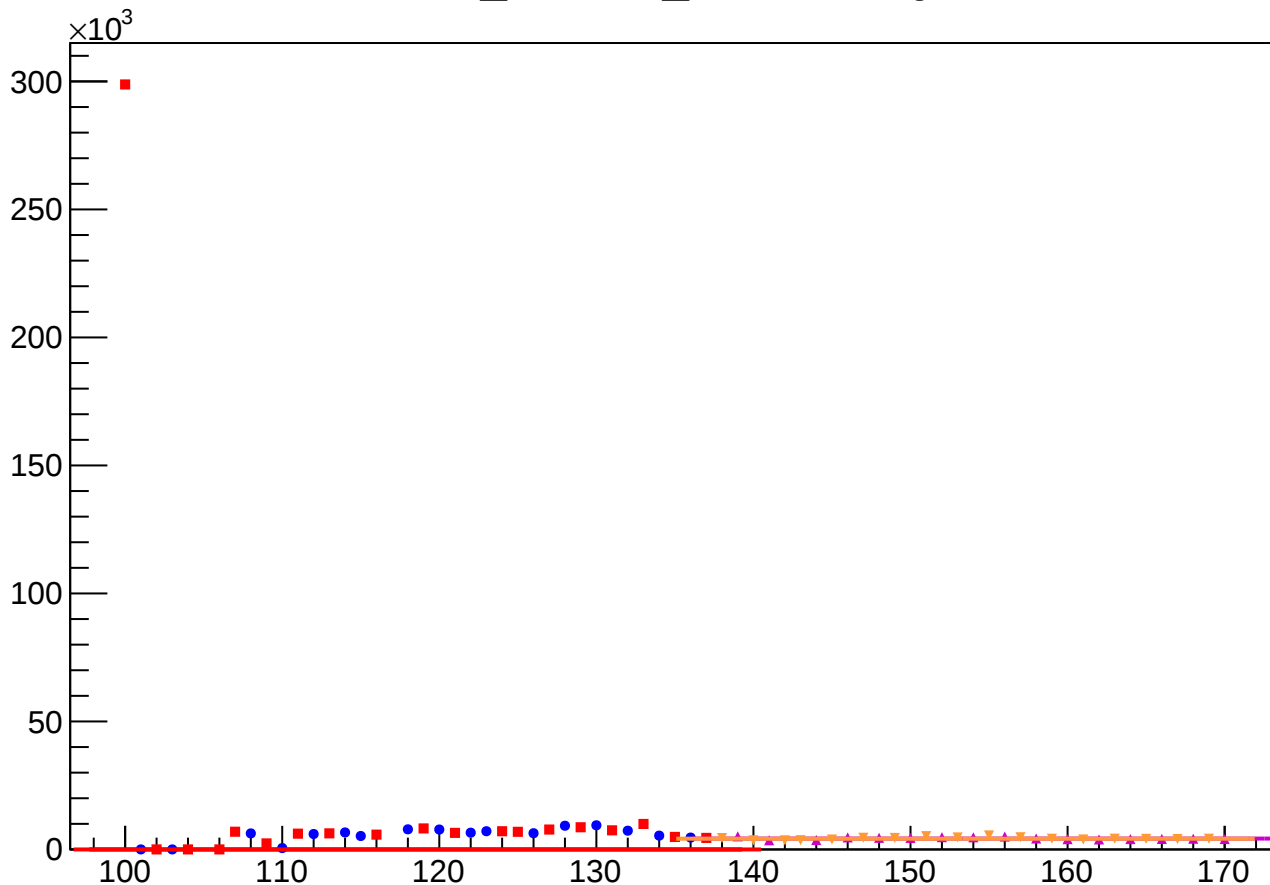
Left In: 0.733 ± 1.211 χ^2/NDF : 14.0/15

+ sign -0.024 ± 0.021 χ^2/NDF : 83.4/33

All: -0.025 ± 0.014 χ^2/NDF : 115.6/68

- sign -0.026 ± 0.020 χ^2/NDF : 32.3/34

diff_cav4dX_rms vs Slug



Right In: 17.341 $\pm$ 0.015 χ^2 /NDF: 10501445.0/16

Left Out: 4206.788 $\pm$ 0.843 χ^2 /NDF: 335435.9/16

Right Out: 17.269 $\pm$ 0.014 χ^2 /NDF: 10820611.7/18

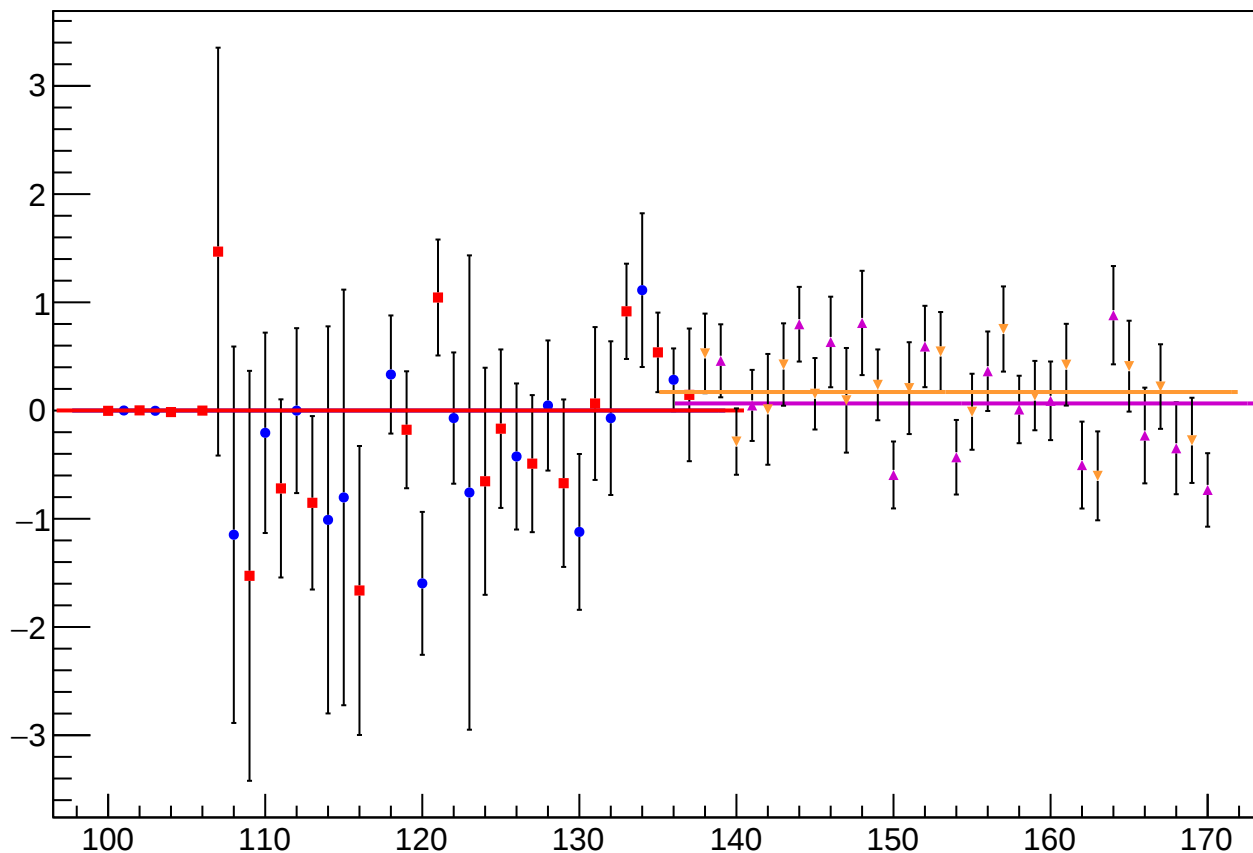
Left In: 4249.543 $\pm$ 0.857 χ^2 /NDF: 261927.2/15

+ sign 18.614 $\pm$ 0.015 χ^2 /NDF: 35511919.6/33

All: 18.500 $\pm$ 0.010 χ^2 /NDF: 71003500.0/68

- sign 18.397 $\pm$ 0.014 χ^2 /NDF: 35491465.3/34

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 13.8/16

Left Out: 0.171 ± 0.091 χ^2/NDF : 12.9/16

Right Out: 0.001 ± 0.002 χ^2/NDF : 17.9/18

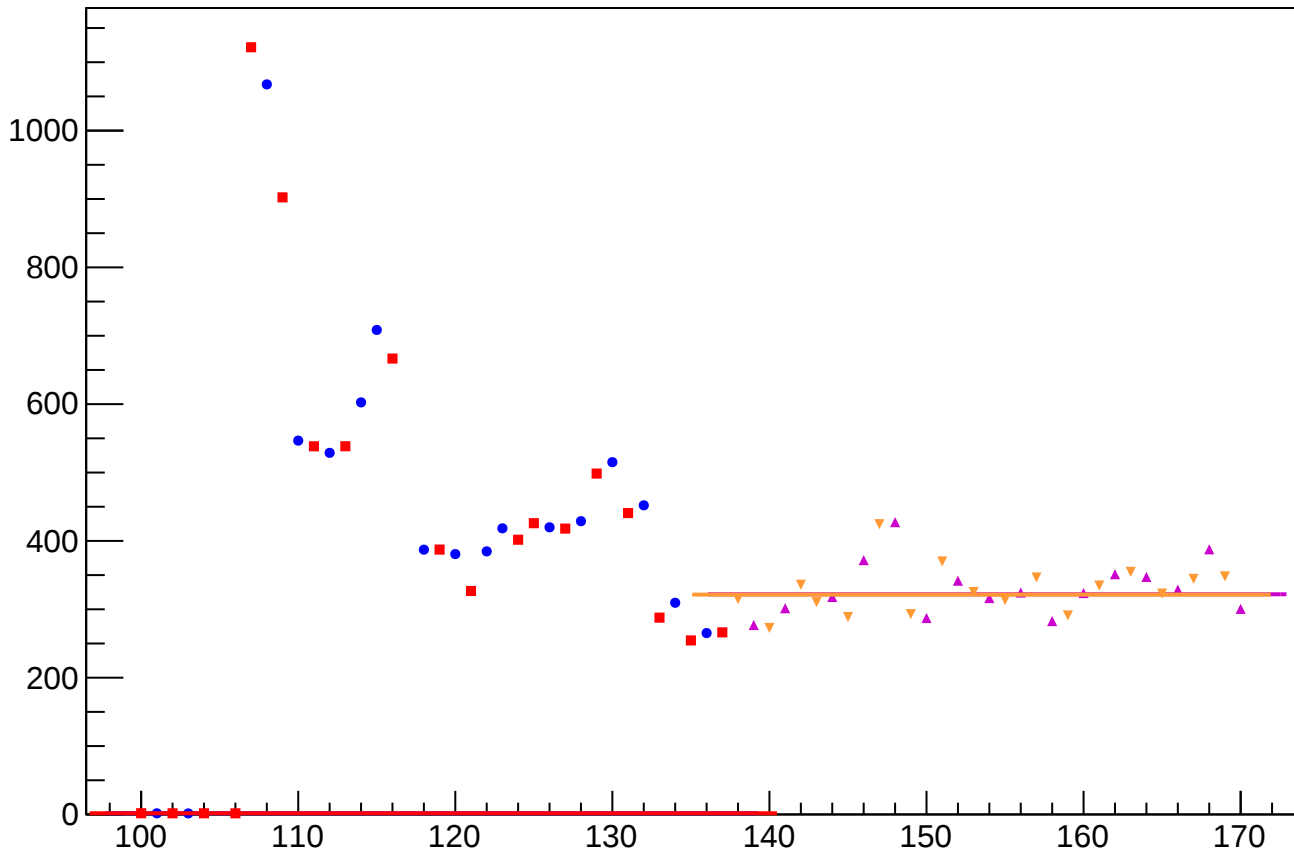
Left In: 0.066 ± 0.092 χ^2/NDF : 31.6/15

+ sign 0.000 ± 0.002 χ^2/NDF : 30.2/33

All: 0.001 ± 0.001 χ^2/NDF : 80.3/68

- sign 0.001 ± 0.002 χ^2/NDF : 50.0/34

diff_cav4dY_rms vs Slug



Right In: 1.699 $\pm$ 0.001 χ^2 /NDF: 11053026.2/16

Left Out: 321.514 $\pm$ 0.064 χ^2 /NDF: 265308.5/16

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10743910.0/18

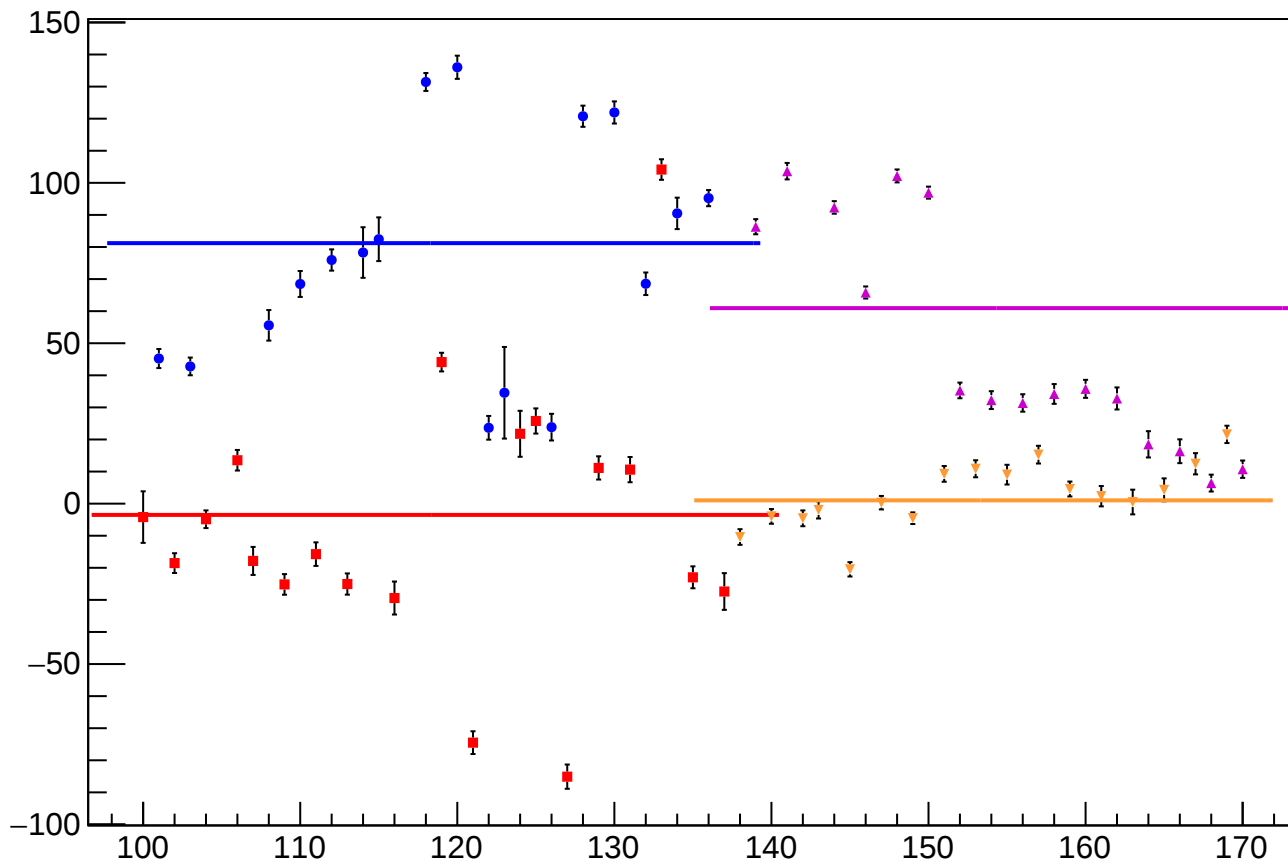
Left In: 321.988 $\pm$ 0.065 χ^2 /NDF: 304120.2/15

+ sign 1.857 $\pm$ 0.001 χ^2 /NDF: 35958018.6/33

All: 1.864 $\pm$ 0.001 χ^2 /NDF: 71220611.0/68

- sign 1.871 $\pm$ 0.001 χ^2 /NDF: 35262547.1/34

diff_bpm0i01X_mean vs Slug



Right In: 81.201 $\pm$ 0.886 χ^2 /NDF: 1709.8/16

Left Out: 1.023 $\pm$ 0.621 χ^2 /NDF: 266.7/16

Right Out: -3.508 $\pm$ 0.843 χ^2 /NDF: 2599.0/18

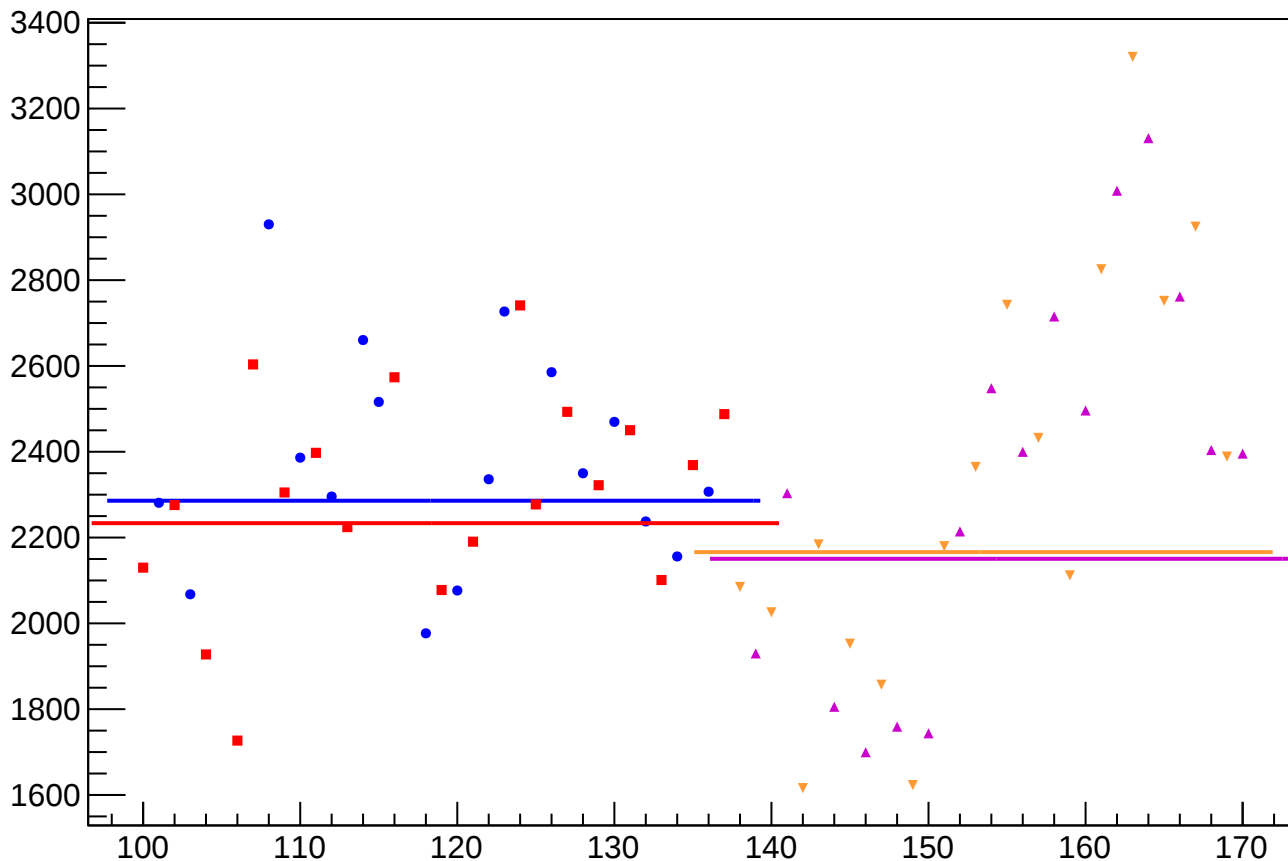
Left In: 60.943 $\pm$ 0.625 χ^2 /NDF: 3021.6/15

+ sign 27.438 $\pm$ 0.508 χ^2 /NDF: 7471.5/33

All: 32.832 $\pm$ 0.357 χ^2 /NDF: 17090.9/68

- sign 38.086 $\pm$ 0.502 χ^2 /NDF: 9397.2/34

diff_bpm0i01X_rms vs Slug



Right In: 2285.855+/-0.626 χ^2/NDF : 109336.5/16

Left Out: 2166.081+/-0.439 χ^2/NDF : 888839.5/16

Right Out: 2233.547+/-0.596 χ^2/NDF : 146848.5/18

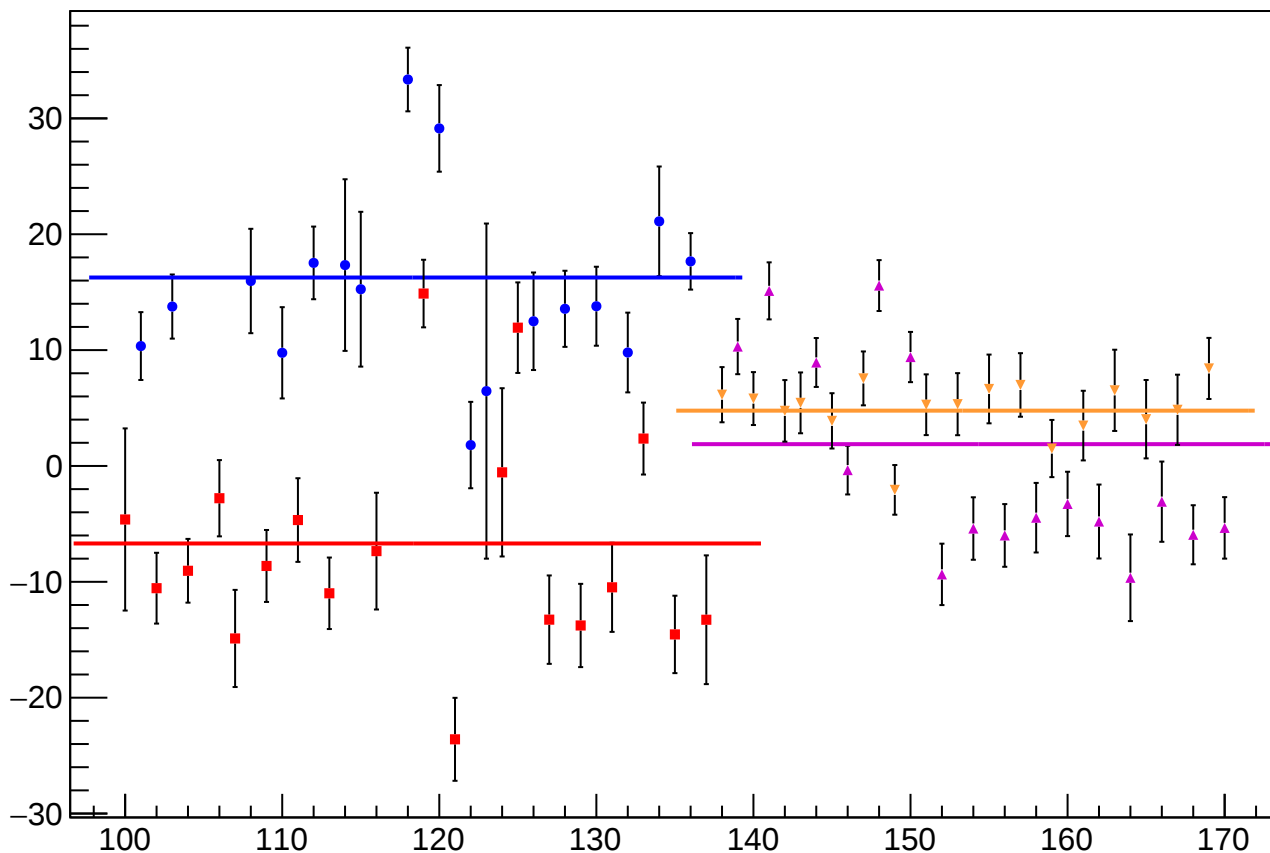
Left In: 2150.521+/-0.442 χ^2/NDF : 854578.7/15

+ sign 2205.543+/-0.359 χ^2/NDF : 1022701.1/33

All: 2192.586+/-0.253 χ^2/NDF : 2039227.2/68

- sign 2179.966+/-0.355 χ^2/NDF : 1013961.6/34

diff_bpm0i01Y_mean vs Slug



Right In: 16.265 ± 0.872 χ^2/NDF : 80.8/16

Left Out: 4.774 ± 0.637 χ^2/NDF : 17.6/16

Right Out: -6.690 ± 0.831 χ^2/NDF : 134.0/18

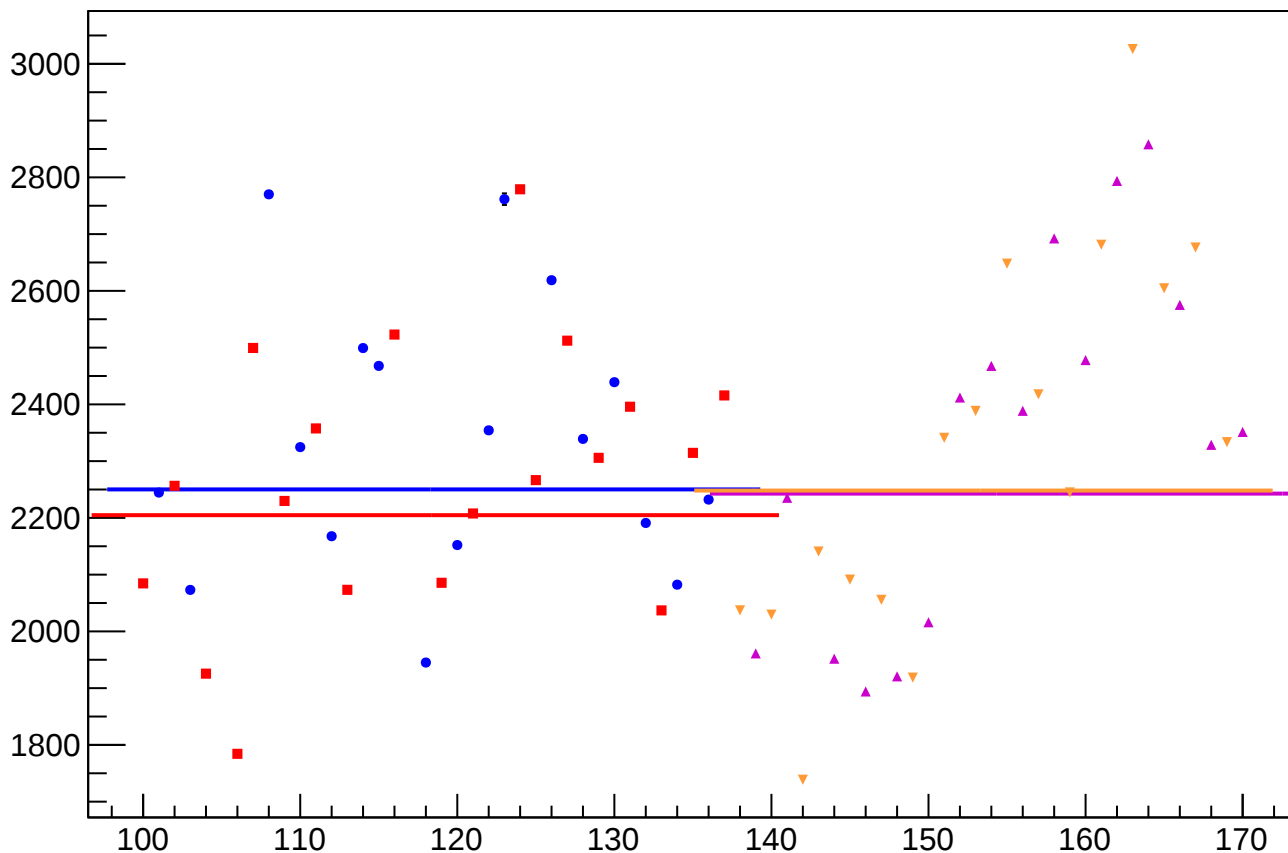
Left In: 1.882 ± 0.643 χ^2/NDF : 178.9/15

+ sign 8.780 ± 0.515 χ^2/NDF : 211.7/33

All: 3.666 ± 0.362 χ^2/NDF : 786.5/68

- sign -1.331 ± 0.509 χ^2/NDF : 379.5/34

diff_bpm0i01Y_rms vs Slug



Right In: 2250.175 ± 0.616 χ^2/NDF : 97578.1/16

Left Out: 2248.151 ± 0.451 χ^2/NDF : 436813.9/16

Right Out: 2204.789 ± 0.587 χ^2/NDF : 126227.4/18

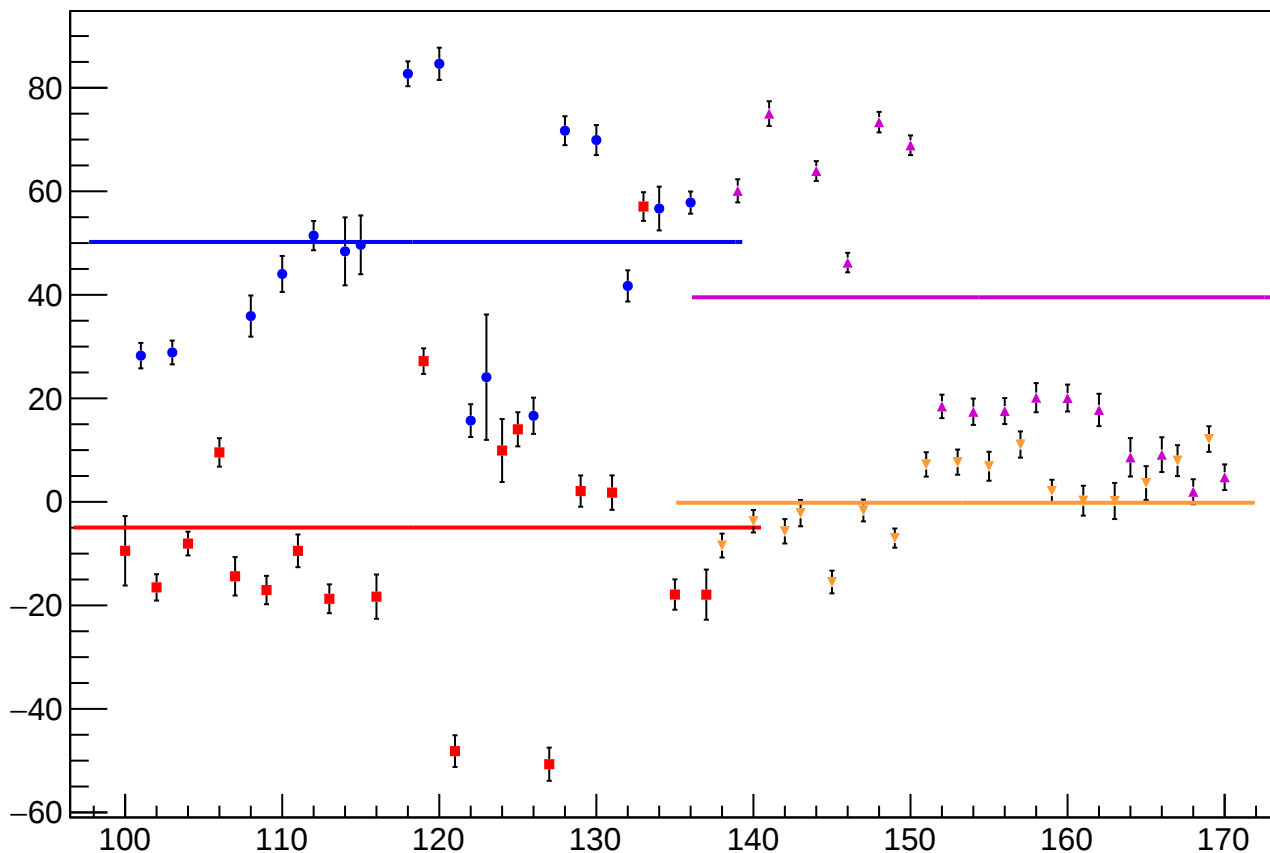
Left In: 2242.799 ± 0.455 χ^2/NDF : 410705.1/15

+ sign 2248.857 ± 0.364 χ^2/NDF : 534399.0/33

All: 2238.587 ± 0.256 χ^2/NDF : 1075524.5/68

- sign 2228.555 ± 0.360 χ^2/NDF : 539550.4/34

diff_bpm0i01aX_mean vs Slug



Right In: 50.215 $\pm$ 0.751 χ^2 /NDF: 830.3/16

Left Out: -0.168 $\pm$ 0.590 χ^2 /NDF:165.3/16

Right Out: -4.958 $\pm$ 0.713 χ^2 /NDF: 1262.6/18

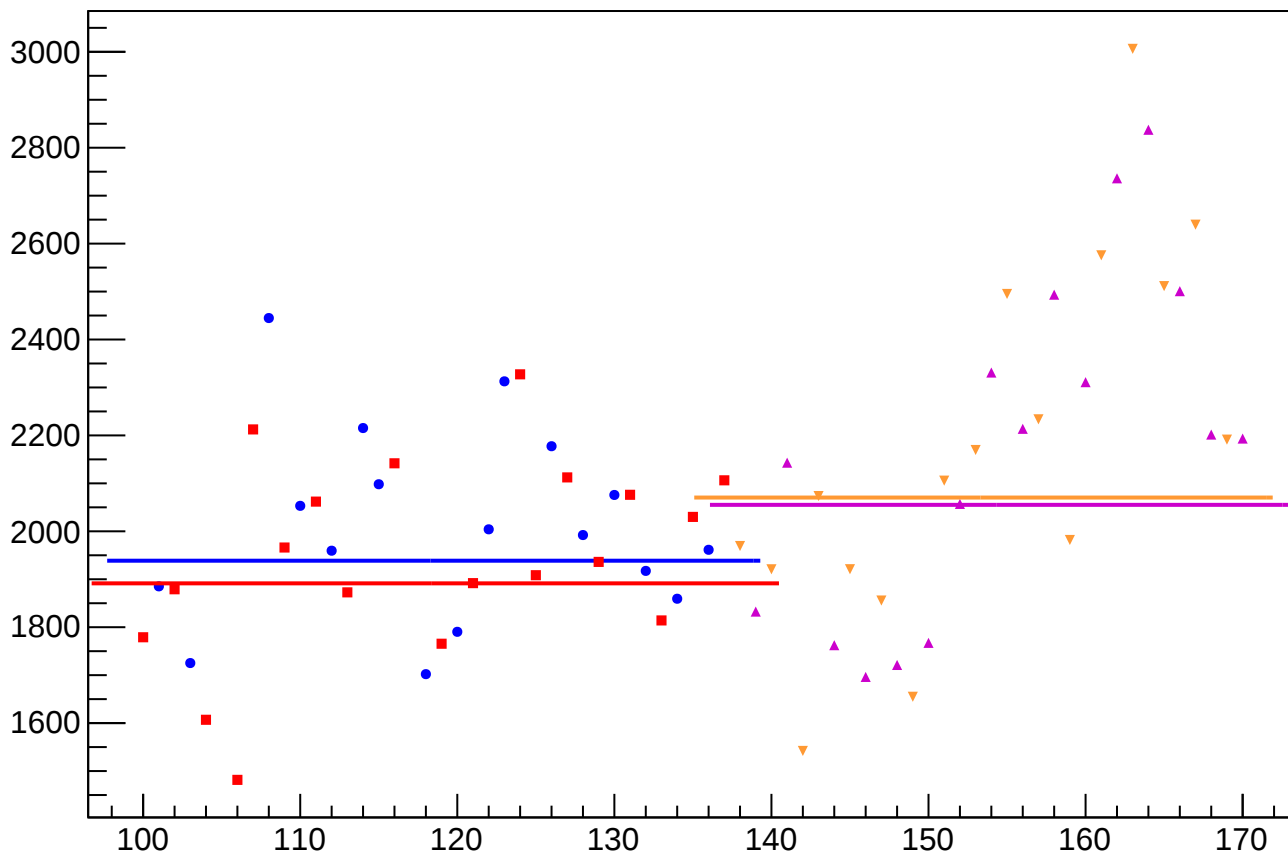
Left In: 39.524 $\pm$ 0.593 χ^2 /NDF:1992.5/15

+ sign 19.059 $\pm$ 0.464 χ^2 /NDF: 3780.5/33

All: 20.221 $\pm$ 0.325 χ^2 /NDF: 9346.9/68

- sign 21.346 $\pm$ 0.456 χ^2 /NDF: 5554.0/34

diff_bpm0i01aX_rms vs Slug



Right In: 1938.688 $\pm$ 0.531 χ^2 /NDF: 100143.1/16

Left Out: 2070.412 $\pm$ 0.417 χ^2 /NDF: 625469.2/16

Right Out: 1891.466 $\pm$ 0.504 χ^2 /NDF: 146622.8/18

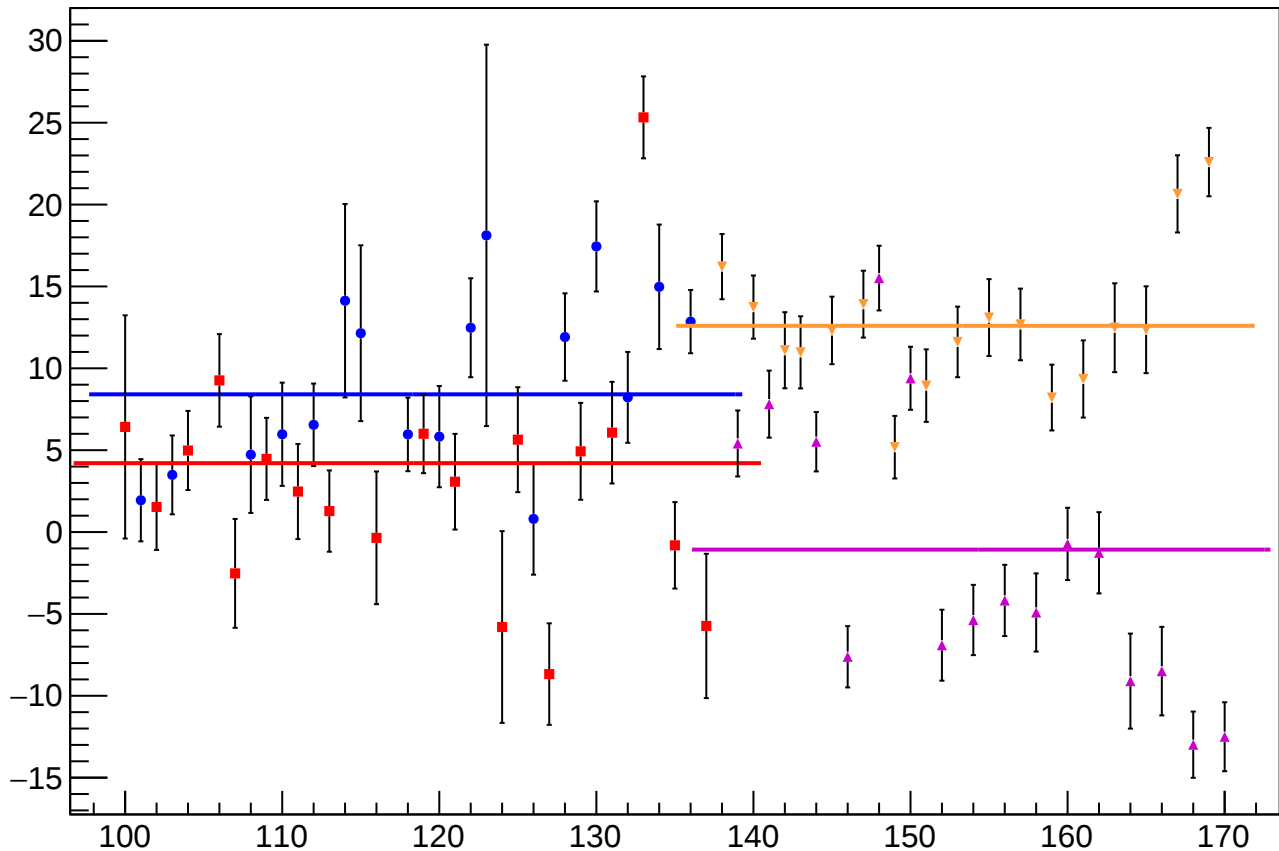
Left In: 2055.173 $\pm$ 0.419 χ^2 /NDF: 576450.0/15

+ sign 2020.145 $\pm$ 0.328 χ^2 /NDF: 763683.1/33

All: 2003.940 $\pm$ 0.230 χ^2 /NDF: 1553834.1/68

- sign 1988.271 $\pm$ 0.322 χ^2 /NDF: 785348.7/34

diff_bpm0i01aY_mean vs Slug



Right In: 8.411 ± 0.711 χ^2/NDF : 44.6/16

Left Out: 12.597 ± 0.528 χ^2/NDF : 64.3/16

Right Out: 4.208 ± 0.682 χ^2/NDF : 113.1/18

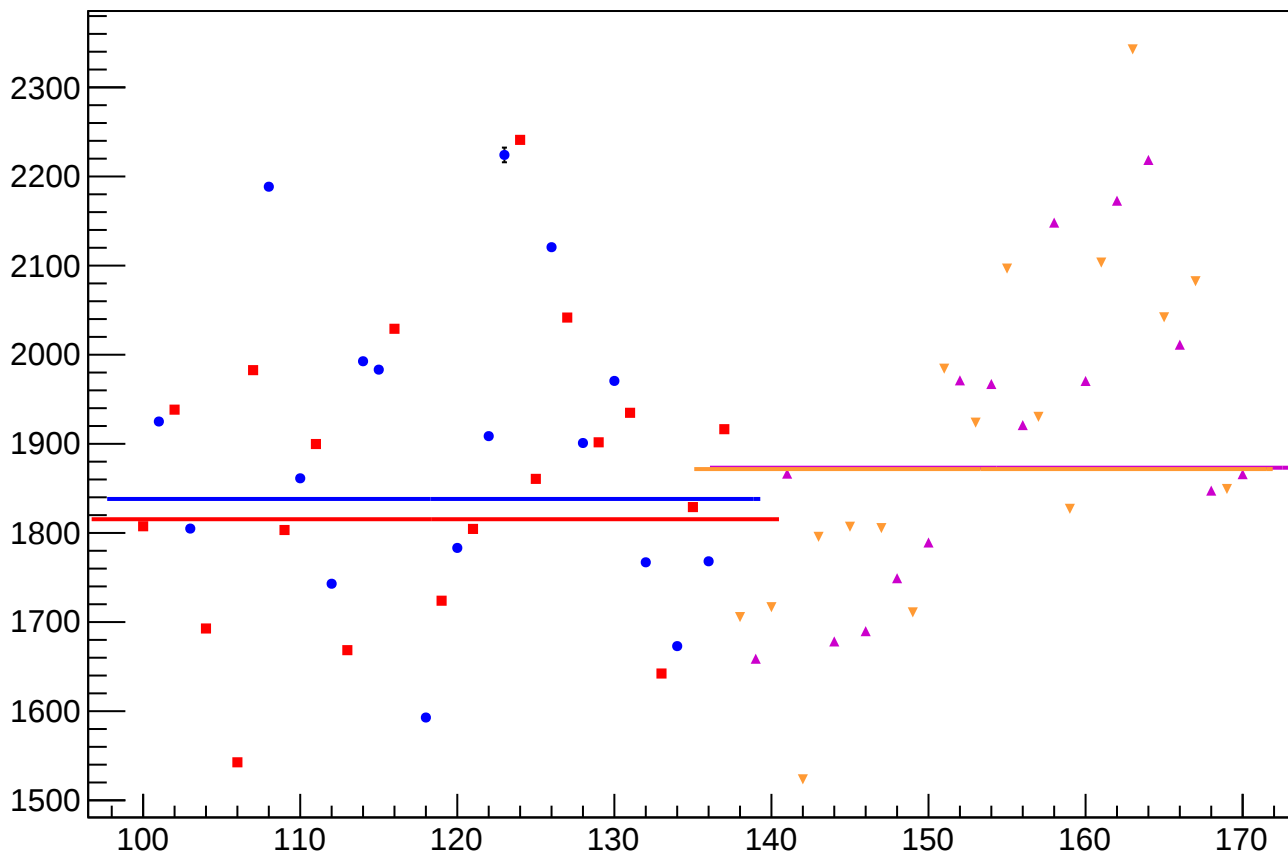
Left In: -1.072 ± 0.534 χ^2/NDF : 249.9/15

+ sign 11.109 ± 0.424 χ^2/NDF : 131.2/33

All: 5.977 ± 0.299 χ^2/NDF : 821.9/68

- sign 0.932 ± 0.420 χ^2/NDF : 400.2/34

diff_bpm0i01aY_rms vs Slug



Right In: 1838.143 $\pm$ 0.503 χ^2 /NDF: 82878.7/16

Left Out: 1871.681 $\pm$ 0.373 χ^2 /NDF: 223499.0/16

Right Out: 1815.403 $\pm$ 0.483 χ^2 /NDF: 87419.0/18

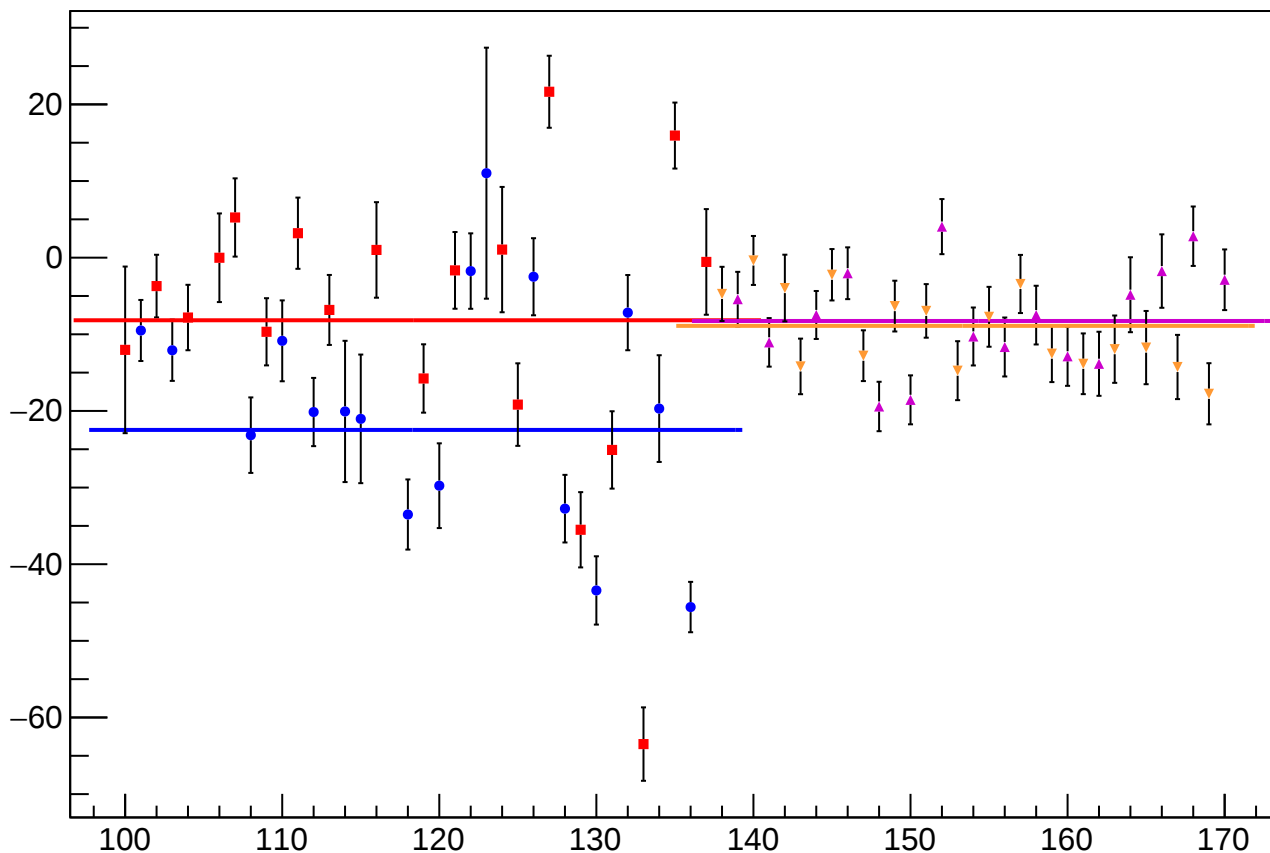
Left In: 1873.209 $\pm$ 0.377 χ^2 /NDF: 179013.6/15

+ sign 1859.762 $\pm$ 0.300 χ^2 /NDF: 309244.3/33

All: 1855.479 $\pm$ 0.211 χ^2 /NDF: 584986.1/68

- sign 1851.269 $\pm$ 0.297 χ^2 /NDF: 275337.2/34

diff_bpm0l01X_mean vs Slug



Right In: -22.477 ± 1.195 χ^2/NDF : 154.7/16

Left Out: -8.899 ± 0.908 χ^2/NDF : 32.6/16

Right Out: -8.169 ± 1.157 χ^2/NDF : 276.9/18

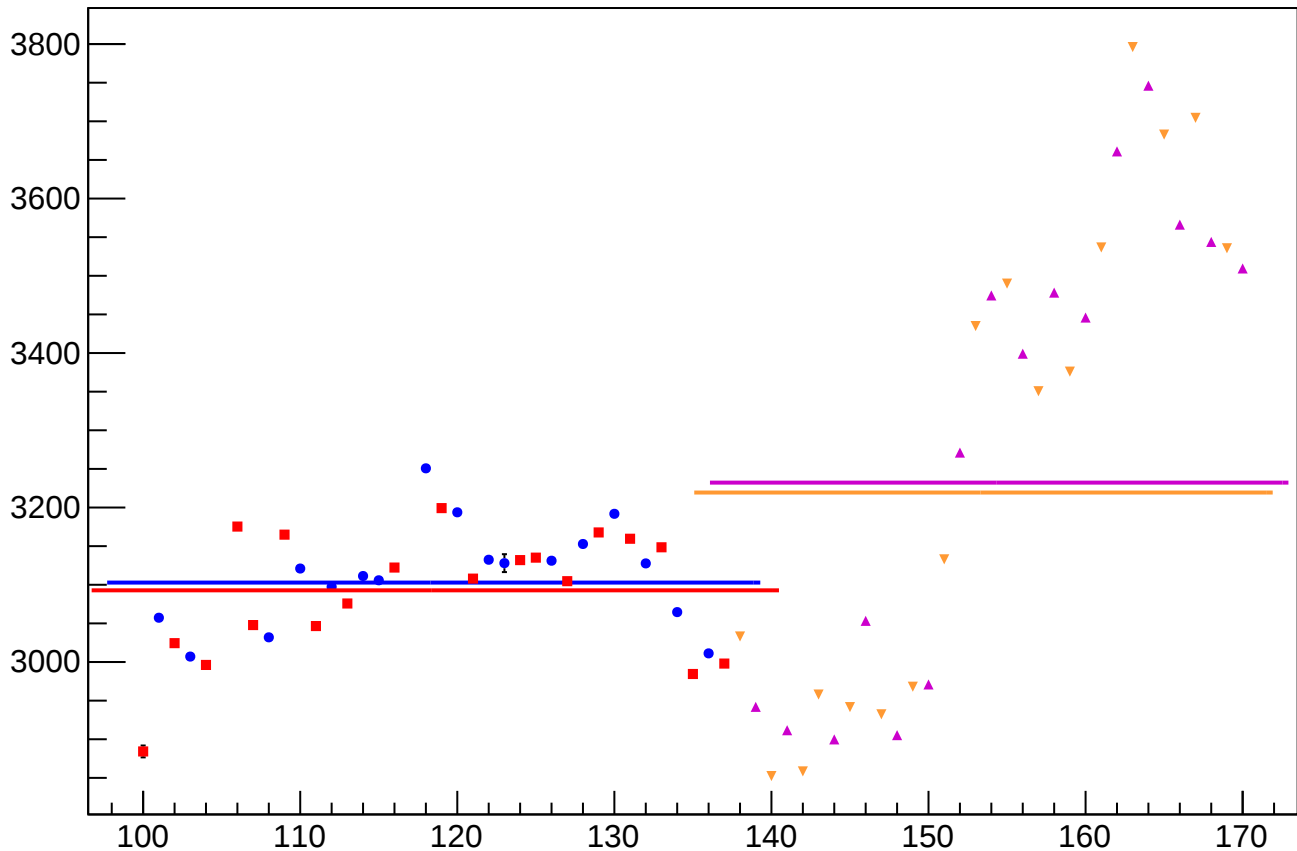
Left In: -8.261 ± 0.918 χ^2/NDF : 55.6/15

+ sign -13.868 ± 0.723 χ^2/NDF : 269.2/33

All: -11.033 ± 0.510 χ^2/NDF : 632.3/68

- sign -8.226 ± 0.719 χ^2/NDF : 332.5/34

diff_bpm0l01X_rms vs Slug



Right In: 3102.846 $\pm$ 0.845 χ^2 /NDF: 7344.9/16

Left Out: 3219.410 $\pm$ 0.642 χ^2 /NDF: 224837.1/16

Right Out: 3092.795 $\pm$ 0.818 χ^2 /NDF: 7763.4/18

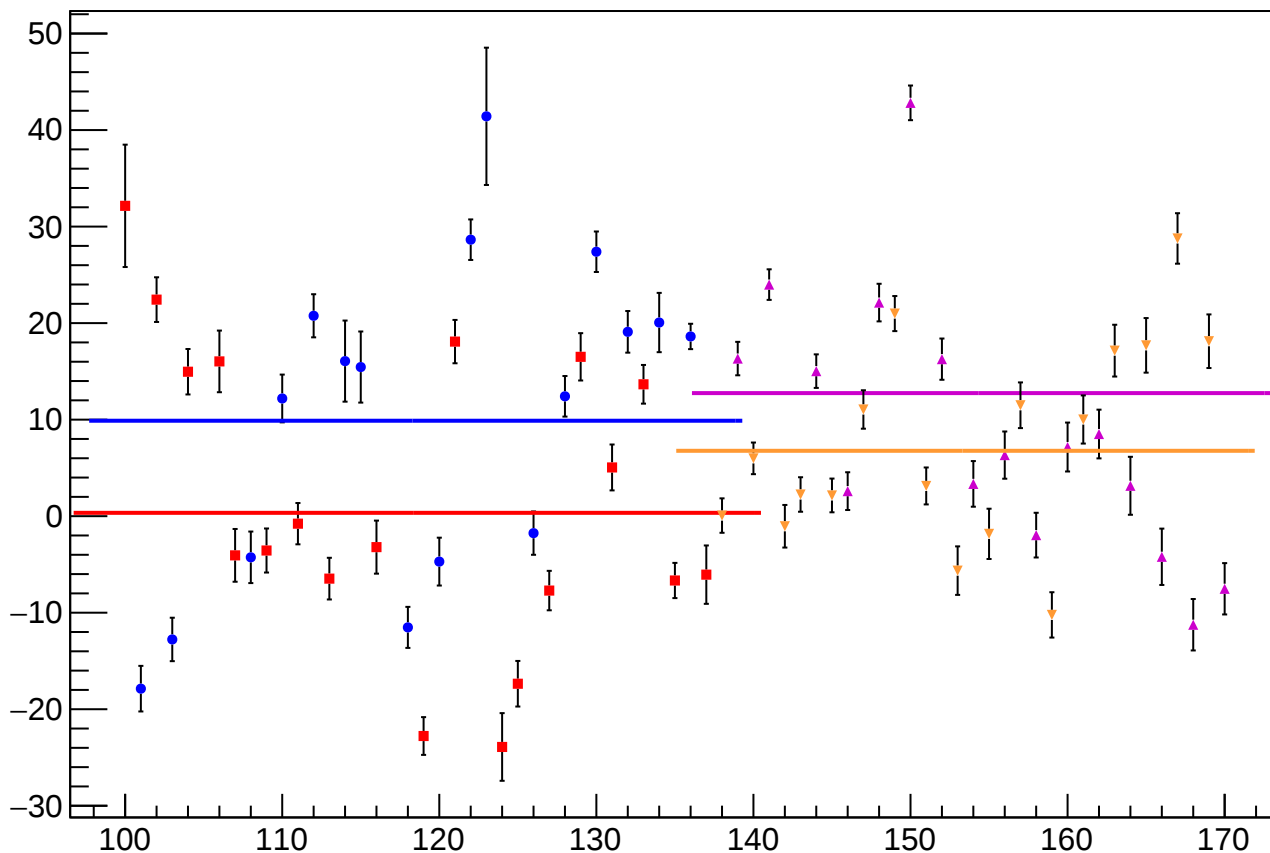
Left In: 3232.243 $\pm$ 0.649 χ^2 /NDF: 198016.1/15

+ sign 3176.752 $\pm$ 0.511 χ^2 /NDF: 244252.8/33

All: 3177.534 $\pm$ 0.360 χ^2 /NDF: 467867.6/68

- sign 3178.308 $\pm$ 0.509 χ^2 /NDF: 223610.1/34

diff_bpm0l01Y_mean vs Slug



Right In: 9.887 ± 0.559 χ^2/NDF : 703.6/16

Left Out: 6.772 ± 0.518 χ^2/NDF : 320.6/16

Right Out: 0.346 ± 0.547 χ^2/NDF : 628.9/18

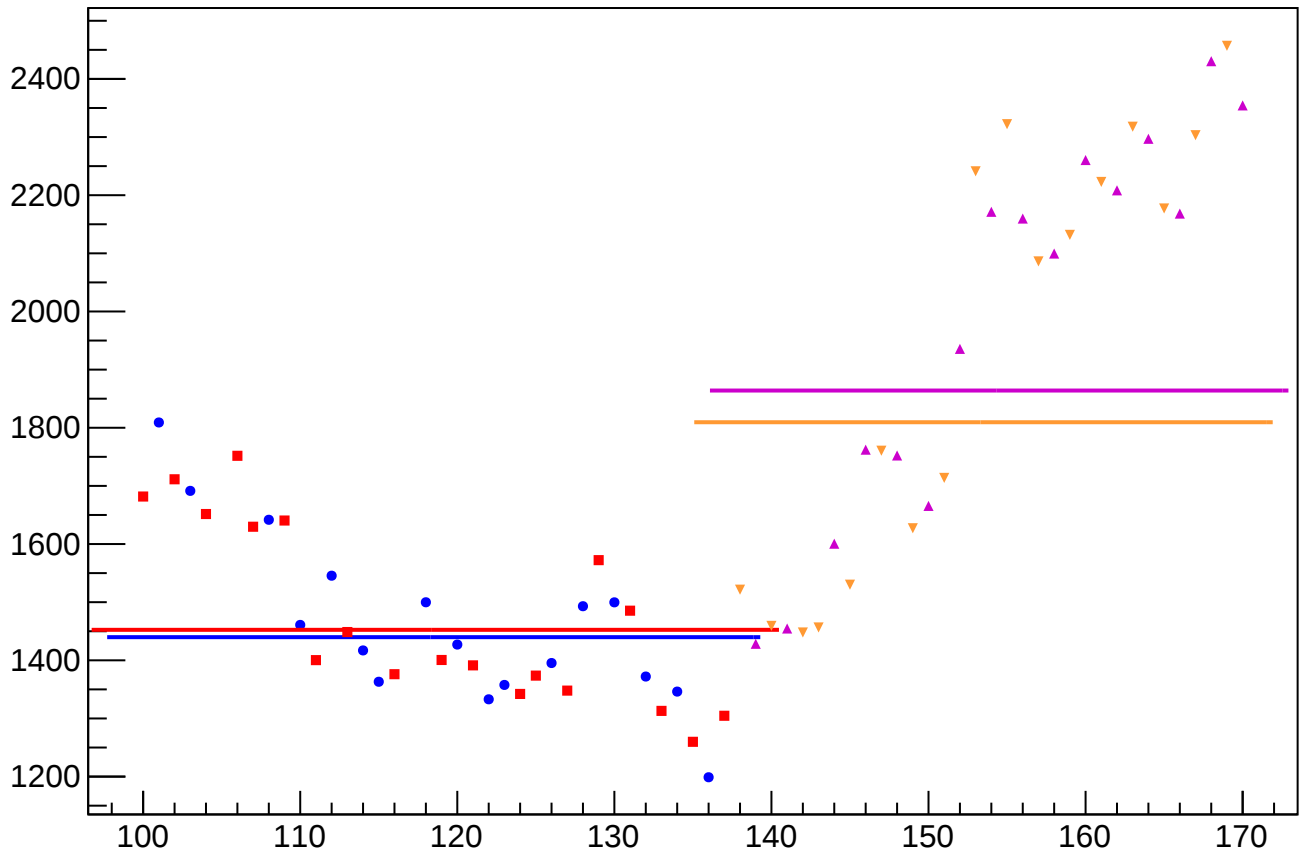
Left In: 12.749 ± 0.537 χ^2/NDF : 643.7/15

+ sign 8.210 ± 0.380 χ^2/NDF : 1040.9/33

All: 7.444 ± 0.270 χ^2/NDF : 2583.7/68

- sign 6.665 ± 0.383 χ^2/NDF : 1534.6/34

diff_bpm0l01Y_rms vs Slug



Right In: 1439.826 $\pm$ 0.396 χ^2 /NDF: 172823.5/16

Left Out: 1809.502 $\pm$ 0.366 χ^2 /NDF: 894754.5/16

Right Out: 1452.452 $\pm$ 0.387 χ^2 /NDF: 138519.7/18

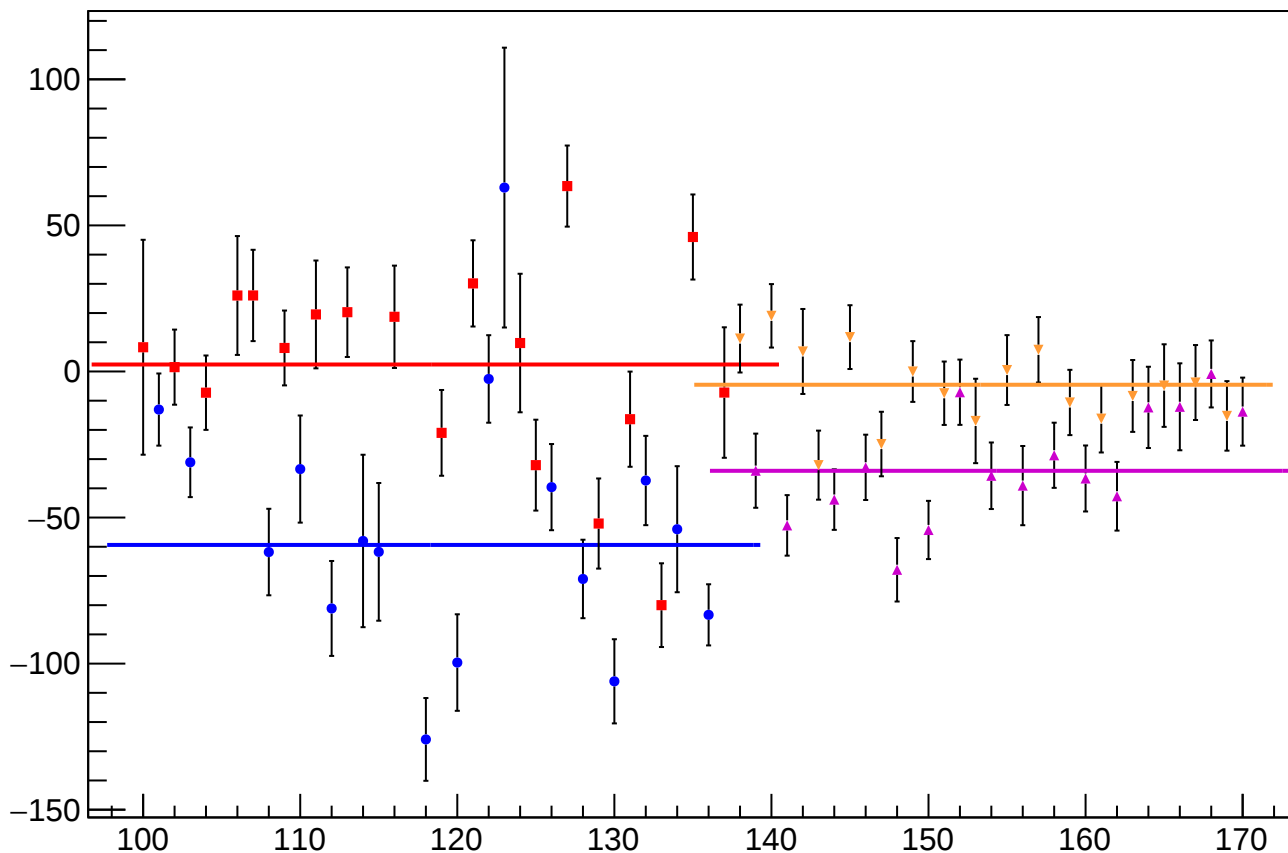
Left In: 1864.032 $\pm$ 0.379 χ^2 /NDF: 736199.5/15

+ sign 1638.889 $\pm$ 0.269 χ^2 /NDF: 1537764.2/33

All: 1650.422 $\pm$ 0.191 χ^2 /NDF: 2993306.3/68

- sign 1662.134 $\pm$ 0.271 χ^2 /NDF: 1451830.9/34

diff_bpm0l02X_mean vs Slug



Right In: -59.374 ± 3.729 χ^2/NDF : 92.9/16

Left Out: -4.544 ± 2.862 χ^2/NDF : 22.7/16

Right Out: 2.388 ± 3.630 χ^2/NDF : 93.9/18

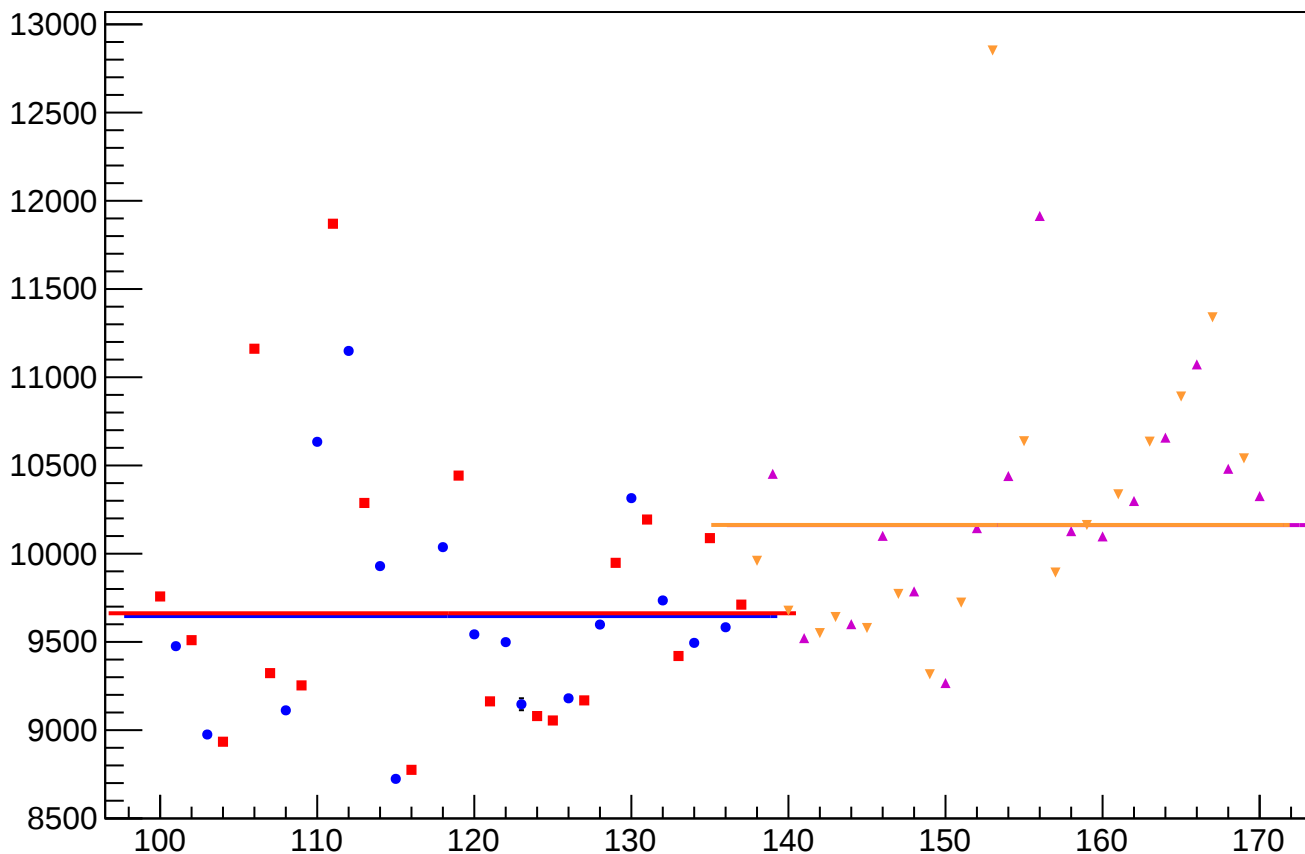
Left In: -34.004 ± 2.883 χ^2/NDF : 40.8/15

+ sign -24.869 ± 2.270 χ^2/NDF : 251.7/33

All: -22.384 ± 1.601 χ^2/NDF : 450.5/68

- sign -19.927 ± 2.257 χ^2/NDF : 196.4/34

diff_bpm0l02X_rms vs Slug



Right In: 9646.480+/-2.637 χ^2/NDF : 44060.3/16

Left Out: 10162.891+/-2.024 χ^2/NDF :137965.6/16

Right Out: 9662.363+/-2.567 χ^2/NDF : 77584.0/18

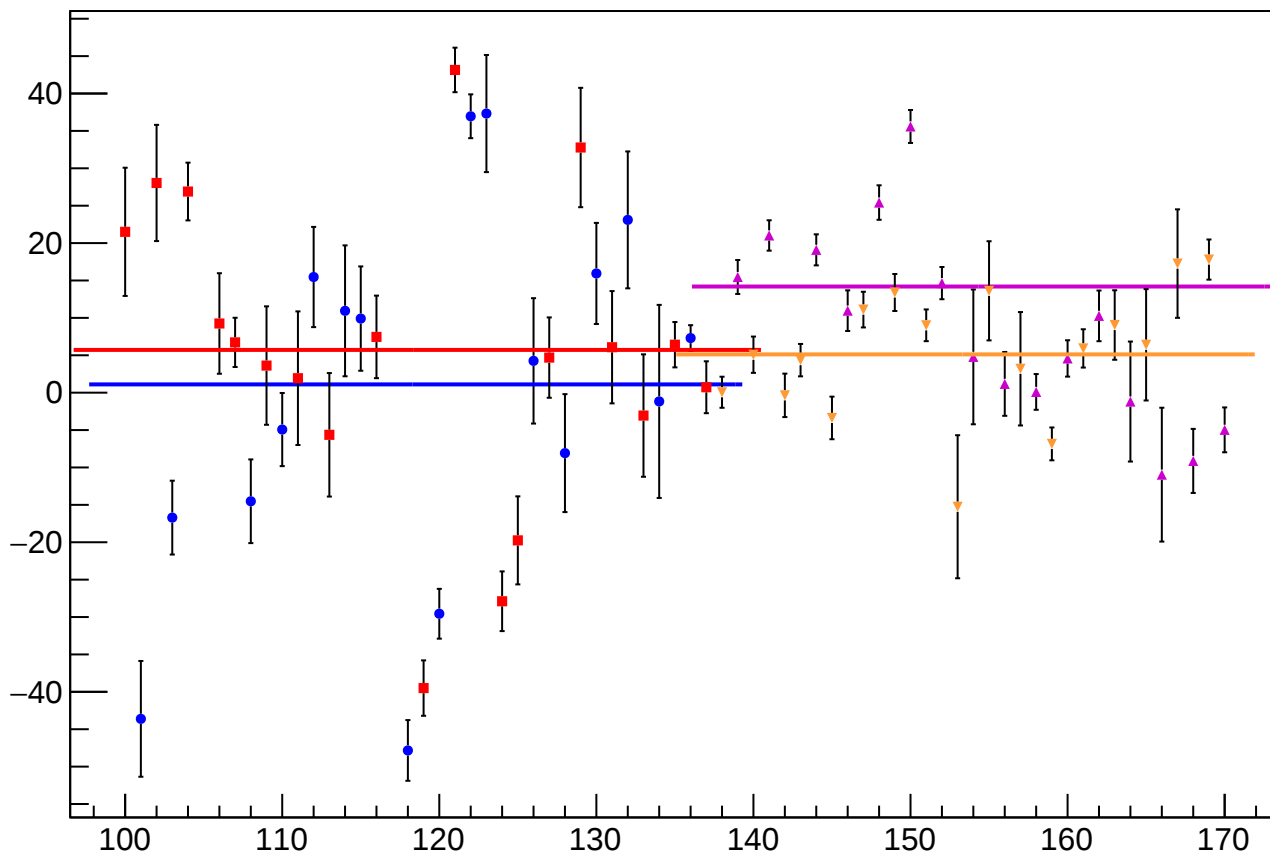
Left In: 10162.064+/-2.039 χ^2/NDF :80066.6/15

+ sign 9971.457+/-1.605 χ^2/NDF : 206165.7/33

All: 9970.104+/-1.132 χ^2/NDF : 387061.0/68

- sign 9968.766+/-1.596 χ^2/NDF : 180893.9/34

diff_bpm0l02Y_mean vs Slug



Right In: 1.106 ± 1.066 $\chi^2/\text{NDF}: 489.7/16$

Left Out: 5.118 ± 0.698 $\chi^2/\text{NDF}: 101.3/16$

Right Out: 5.716 ± 1.091 $\chi^2/\text{NDF}: 456.0/18$

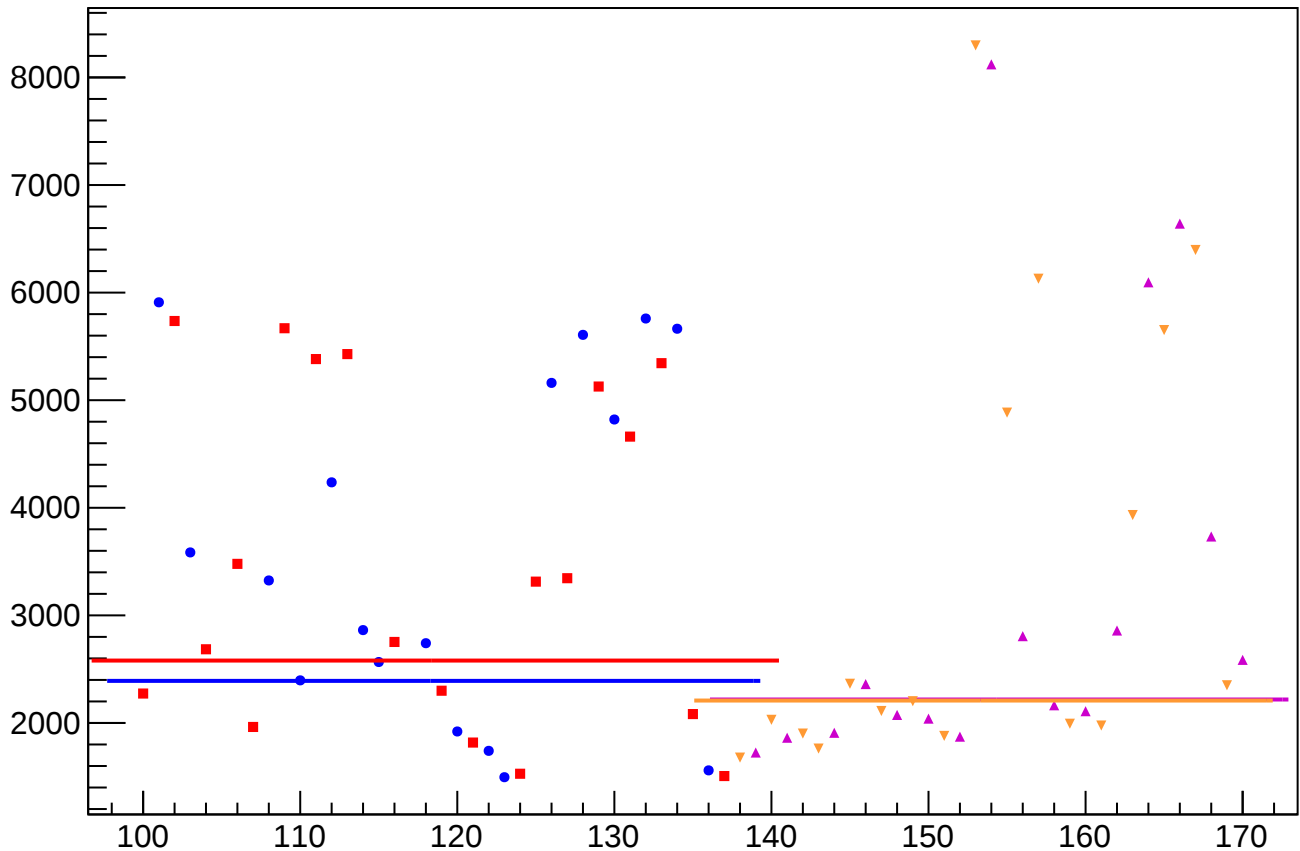
Left In: 14.194 ± 0.689 $\chi^2/\text{NDF}: 280.9/15$

+ sign 3.914 ± 0.584 $\chi^2/\text{NDF}: 600.8/33$

All: 7.856 ± 0.413 $\chi^2/\text{NDF}: 1471.7/68$

- sign 11.777 ± 0.583 $\chi^2/\text{NDF}: 780.0/34$

diff_bpm0l02Y_rms vs Slug



Right In: 2391.162+/-0.754 χ^2/NDF : 2600547.2/16

Left Out: 2208.462+/-0.494 χ^2/NDF : 3388841.9/16

Right Out: 2580.040+/-0.772 χ^2/NDF : 2365271.4/18

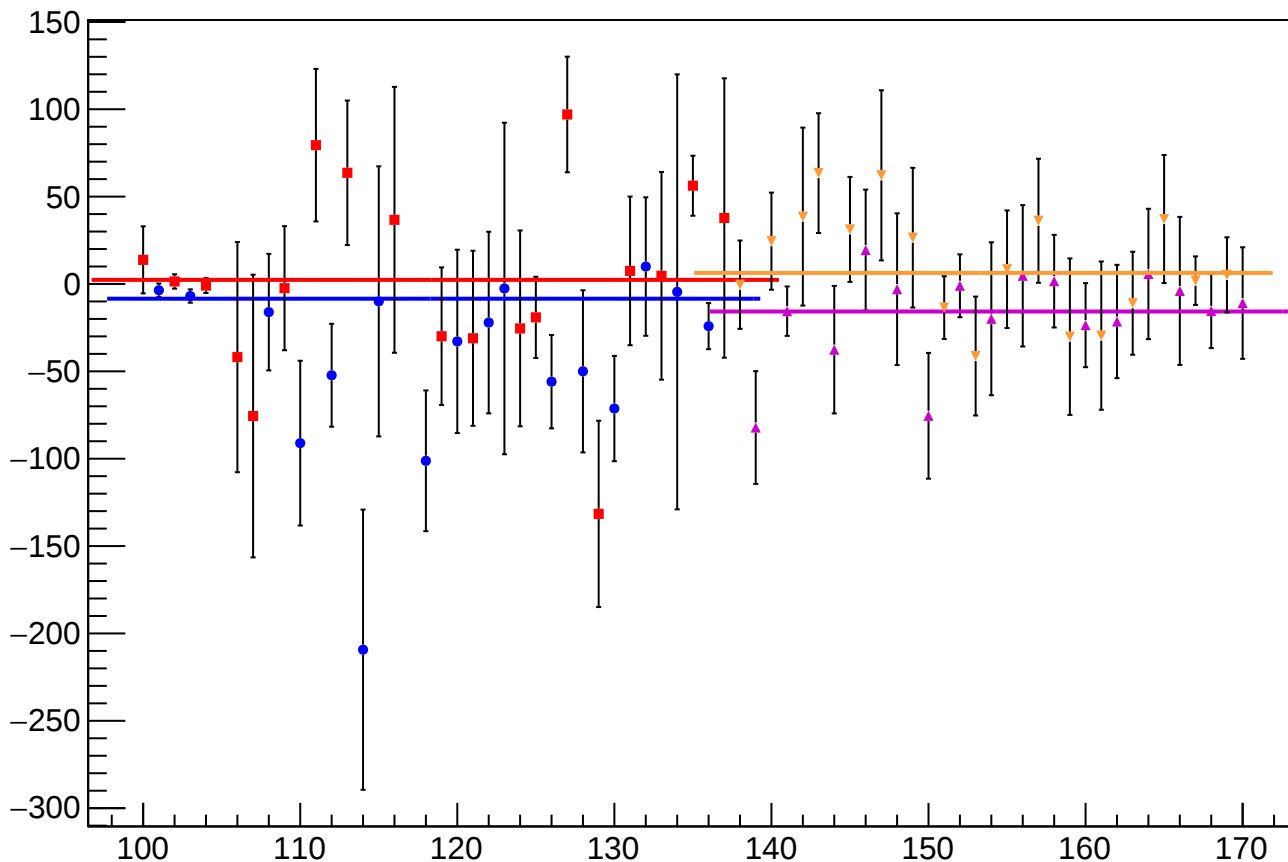
Left In: 2218.030+/-0.487 χ^2/NDF : 2486536.9/15

+ sign 2263.282+/-0.413 χ^2/NDF : 6030473.9/33

All: 2292.342+/-0.292 χ^2/NDF : 11049538.1/6

- sign 2321.248+/-0.412 χ^2/NDF : 5009192.0/34

diff_bpm0l03X_mean vs Slug



Right In: -8.430 ± 2.587 χ^2/NDF : 28.9/16

Left Out: 6.335 ± 6.711 χ^2/NDF : 12.4/16

Right Out: 2.348 ± 2.787 χ^2/NDF : 34.7/18

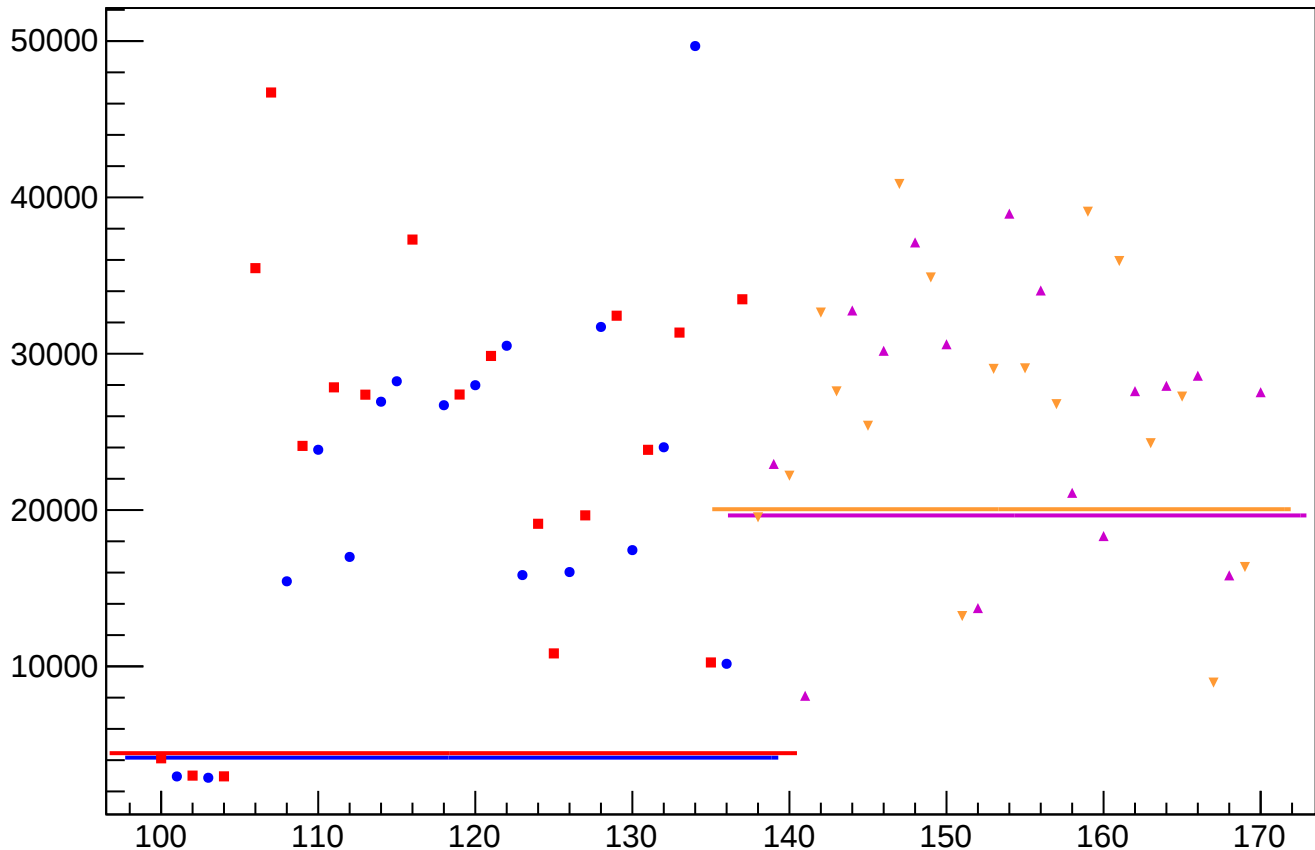
Left In: -15.756 ± 6.798 χ^2/NDF : 10.4/15

+ sign -6.520 ± 2.414 χ^2/NDF : 45.5/33

All: -3.594 ± 1.762 χ^2/NDF : 99.8/68

- sign -0.257 ± 2.579 χ^2/NDF : 51.1/34

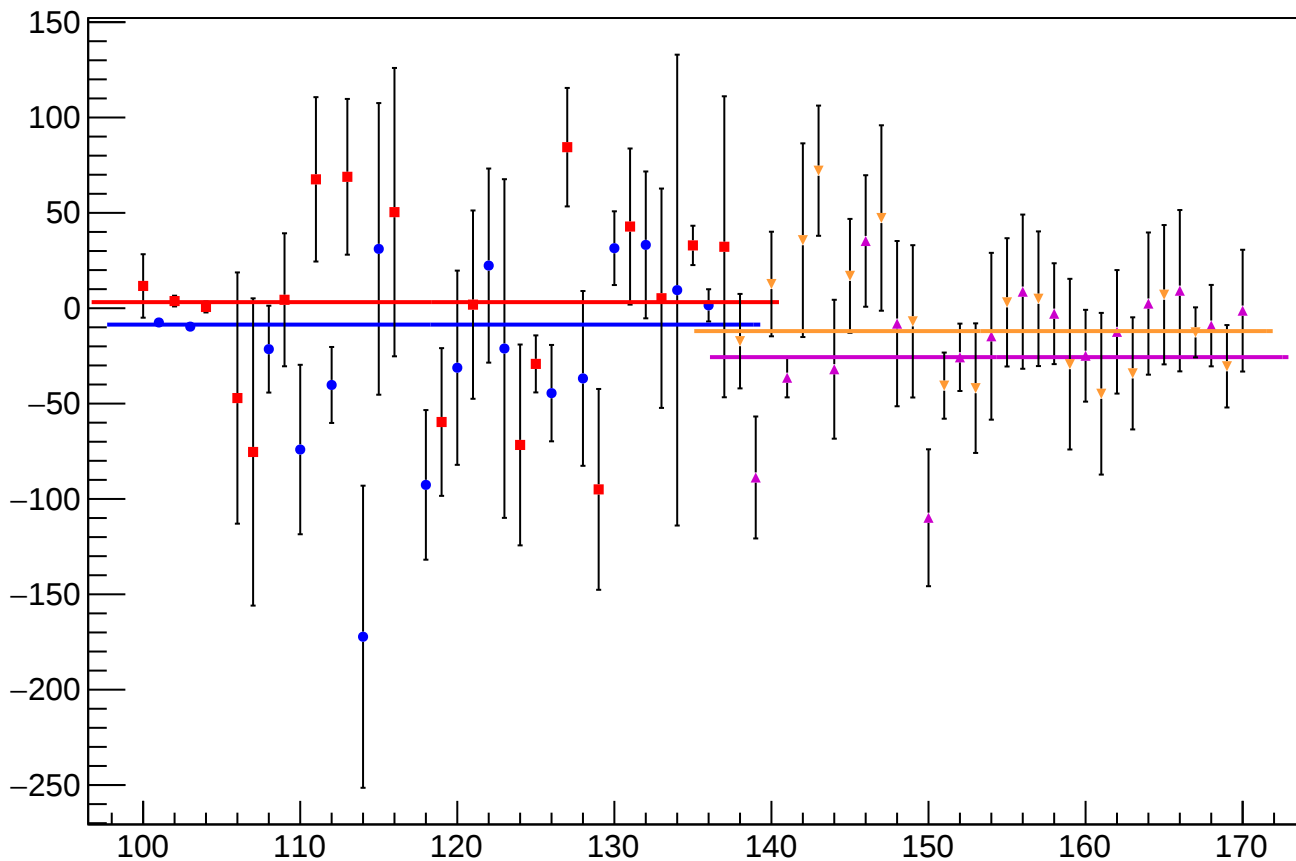
diff_bpm0l03X_rms vs Slug



Right In: 4162.318 ± 1.830 χ^2/NDF : 5990070.5/16
 Left Out: 20053.453 ± 4.746 χ^2/NDF : 3675454.7/16
 Right Out: 4447.123 ± 1.971 χ^2/NDF : 7426930.4/18
 Left In: 19655.130 ± 4.807 χ^2/NDF : 3669683.2/15

+ sign 6218.697 ± 1.707 χ^2/NDF : 19427845.6/33
 All: 6413.359 ± 1.246 χ^2/NDF : 39122440.2/6
 - sign 6635.424 ± 1.823 χ^2/NDF : 19666758.4/34

diff_bpm0l03Y_mean vs Slug



Right In: -8.586 ± 1.778 χ^2/NDF : 24.4/16

Left Out: -11.991 ± 6.568 χ^2/NDF : 16.5/16

Right Out: 3.194 ± 1.922 χ^2/NDF : 36.9/18

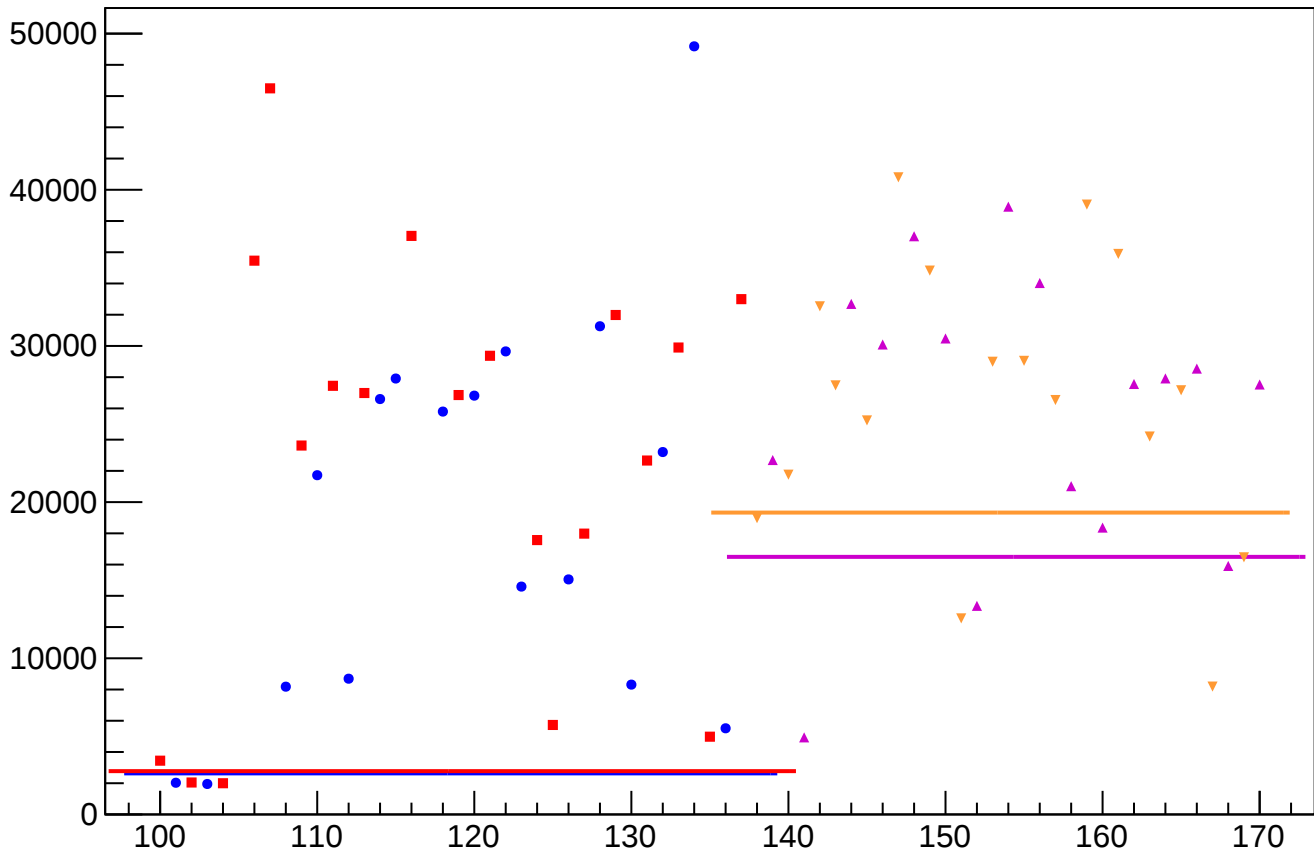
Left In: -25.639 ± 6.179 χ^2/NDF : 17.9/15

+ sign -8.819 ± 1.716 χ^2/NDF : 41.2/33

All: -4.403 ± 1.254 χ^2/NDF : 130.0/68

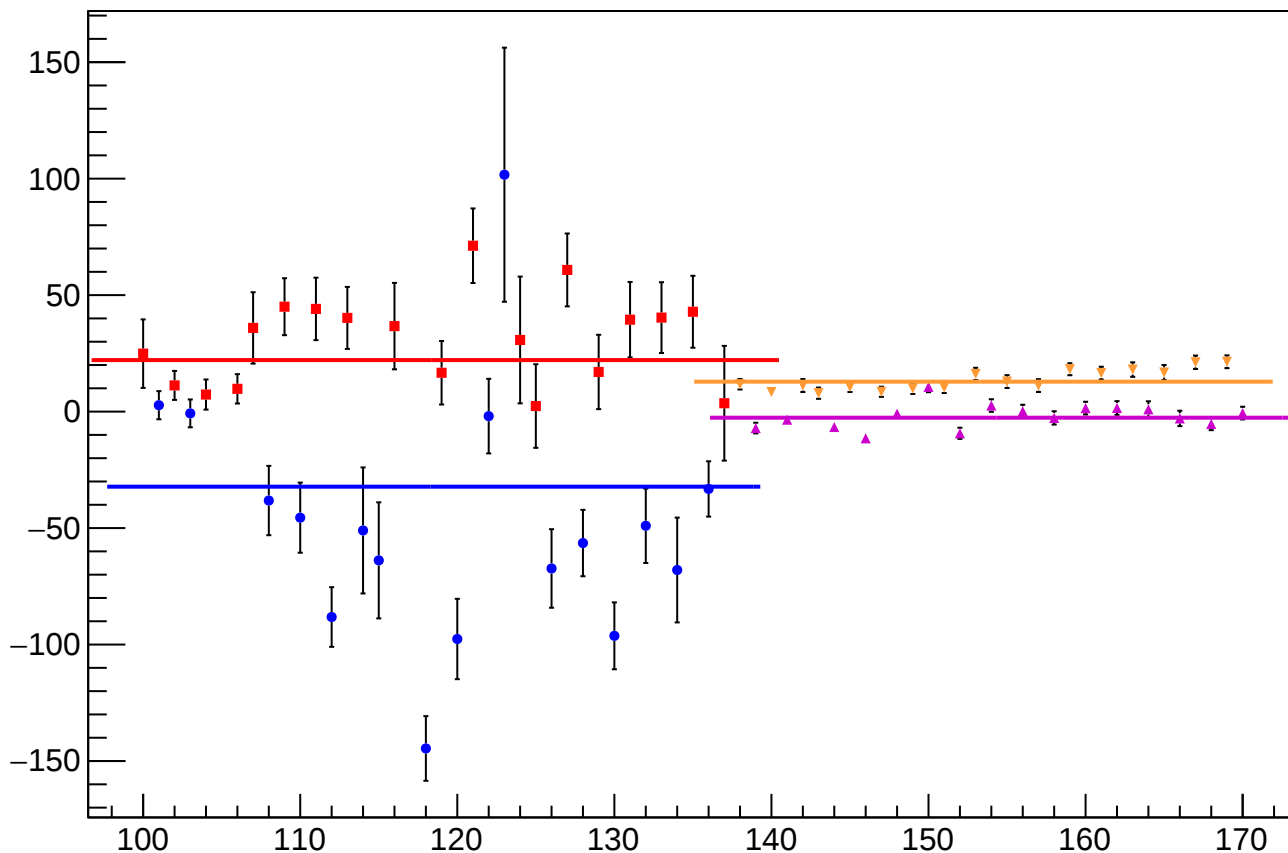
- sign 0.649 ± 1.835 χ^2/NDF : 74.7/34

diff_bpm0l03Y_rms vs Slug



Right In: 2630.547+/-1.257	χ^2/NDF : 5588981.6/16	+ sign 3770.420+/-1.213	χ^2/NDF : 21707570.7/33
Left Out: 19330.571+/-4.644	χ^2/NDF : 4072091.4/16	All: 3870.161+/-0.886	χ^2/NDF : 44458678.7/6
Right Out: 2773.446+/-1.359	χ^2/NDF : 7835878.7/18	- sign 3984.272+/-1.298	χ^2/NDF : 22736621.0/34
Left In: 16494.402+/-4.369	χ^2/NDF : 5908208.5/15		

diff_bpm0l04X_mean vs Slug



Right In: -32.222 ± 2.981 χ^2/NDF : 203.7/16

Left Out: 12.850 ± 0.617 χ^2/NDF : 47.0/16

Right Out: 22.111 ± 2.669 χ^2/NDF : 43.7/18

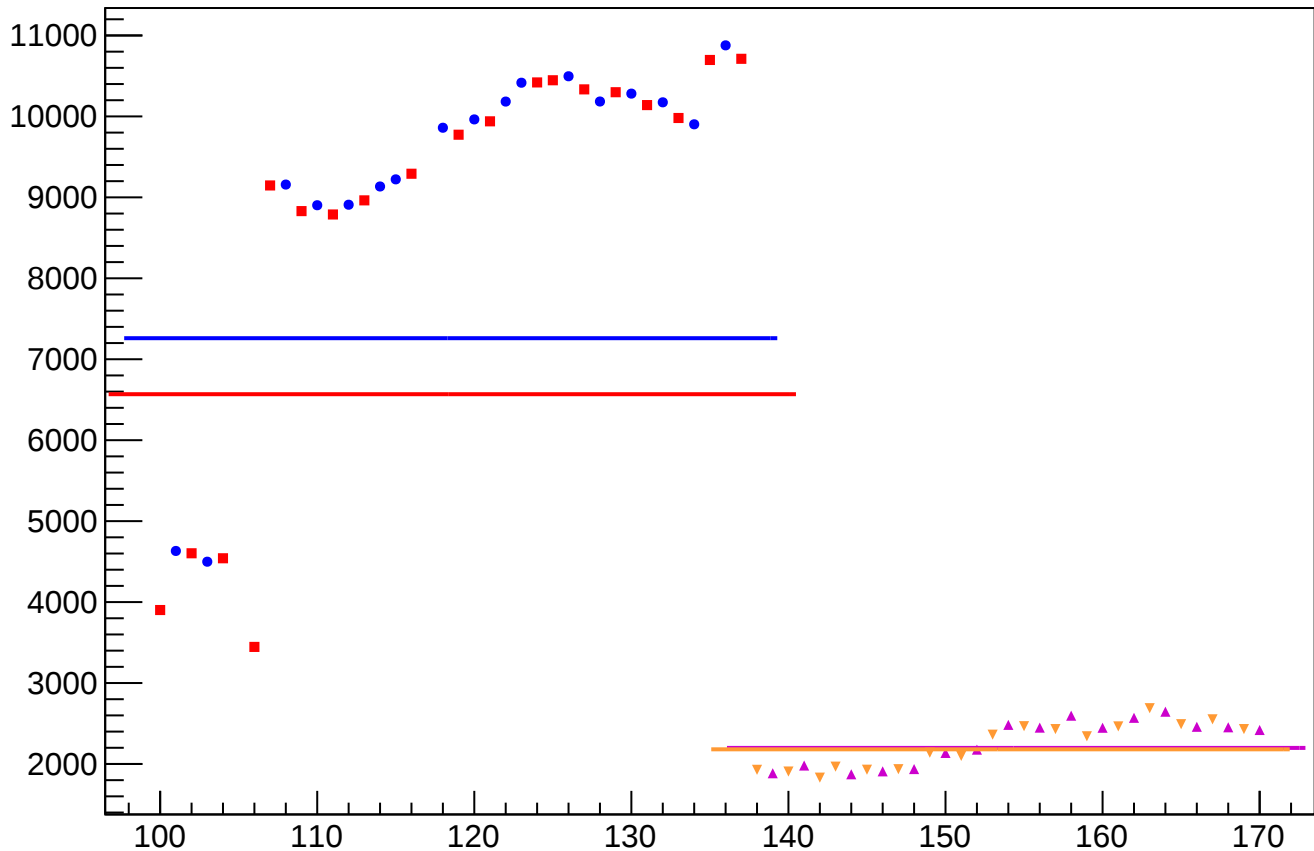
Left In: -2.618 ± 0.627 χ^2/NDF : 78.7/15

+ sign 11.000 ± 0.604 χ^2/NDF : 469.8/33

All: 4.907 ± 0.429 χ^2/NDF : 879.3/68

- sign -1.324 ± 0.611 χ^2/NDF : 203.7/34

diff_bpm0l04X_rms vs Slug



Right In: 7260.081 $\pm$ 2.108 χ^2 /NDF: 1636373.2/16

Left Out: 2180.968 $\pm$ 0.436 χ^2 /NDF: 357219.9/16

Right Out: 6568.180 $\pm$ 1.887 χ^2 /NDF: 2196546.0/18

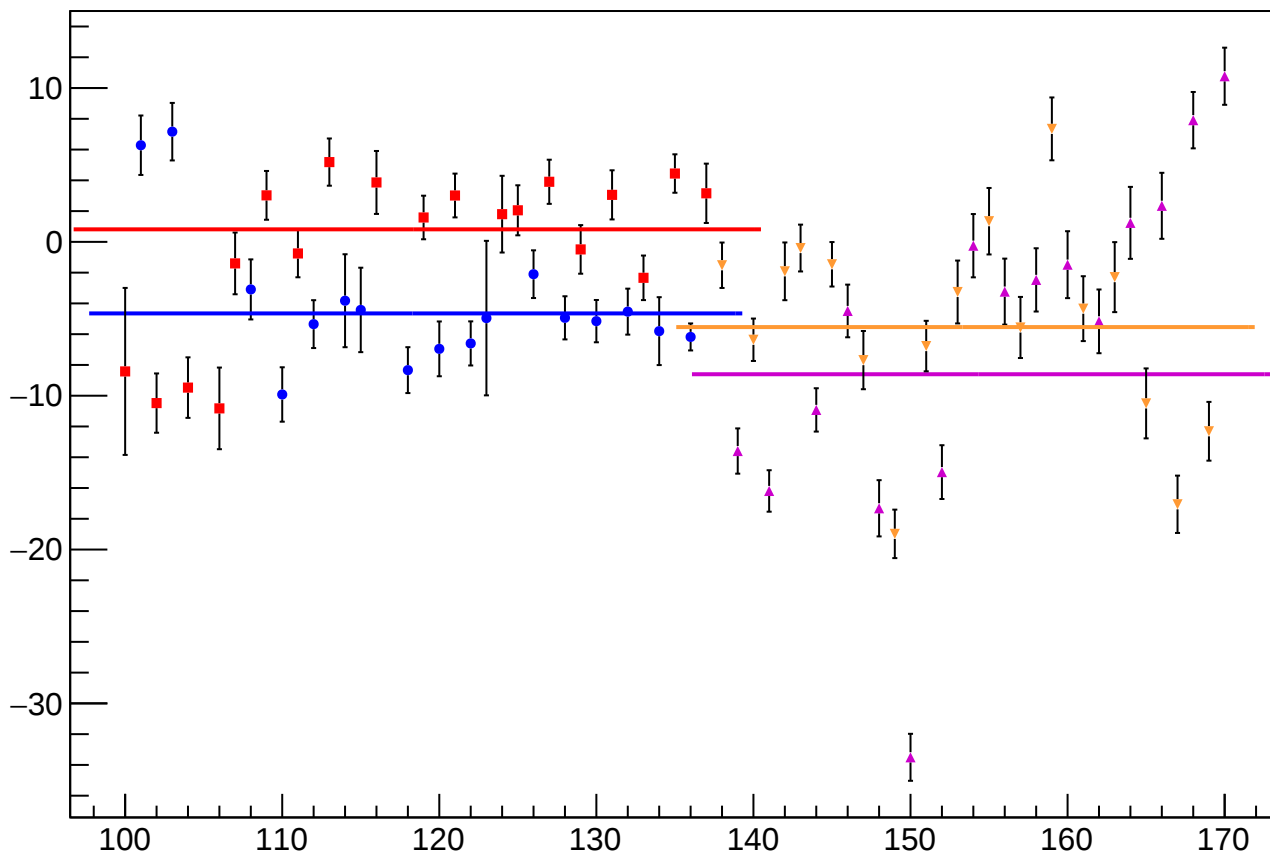
Left In: 2198.426 $\pm$ 0.444 χ^2 /NDF: 381410.1/15

+ sign 2389.406 $\pm$ 0.427 χ^2 /NDF: 7559897.5/33

All: 2408.099 $\pm$ 0.304 χ^2 /NDF: 15220886.4/6

- sign 2427.217 $\pm$ 0.432 χ^2 /NDF: 7657113.7/34

diff_bpm0l04Y_mean vs Slug



Right In: -4.651 ± 0.393 χ^2/NDF : 97.6/16

Left Out: -5.539 ± 0.432 χ^2/NDF : 214.6/16

Right Out: 0.814 ± 0.388 χ^2/NDF : 123.7/18

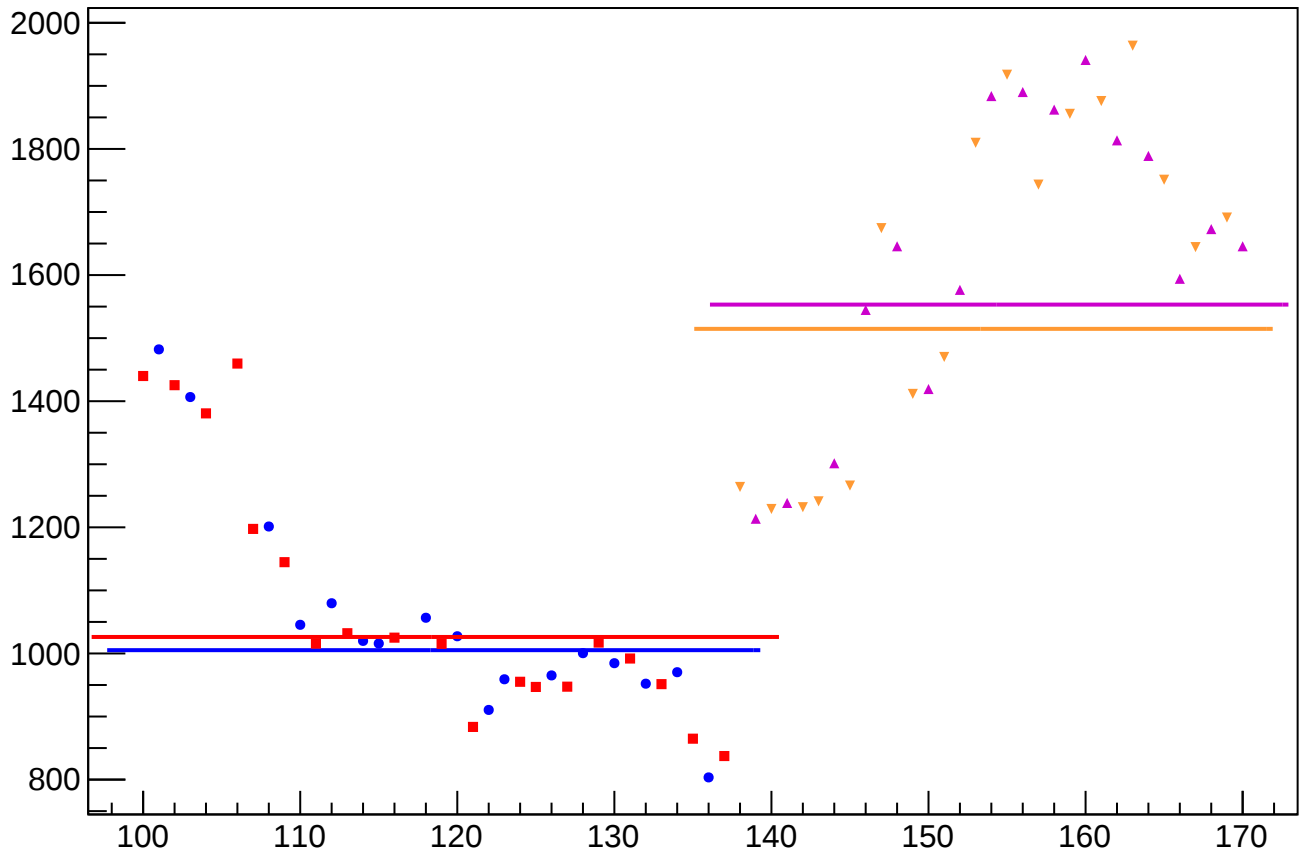
Left In: -8.604 ± 0.446 χ^2/NDF : 632.5/15

+ sign -5.052 ± 0.291 χ^2/NDF : 314.5/33

All: -4.159 ± 0.206 χ^2/NDF : 1343.4/68

- sign -3.253 ± 0.293 χ^2/NDF : 1010.0/34

diff_bpm0l04Y_rms vs Slug



Right In: 1005.227+/-0.278 χ^2/NDF : 361954.2/16

Left Out: 1514.713+/-0.306 χ^2/NDF : 715342.4/16

Right Out: 1026.158+/-0.275 χ^2/NDF : 333119.0/18

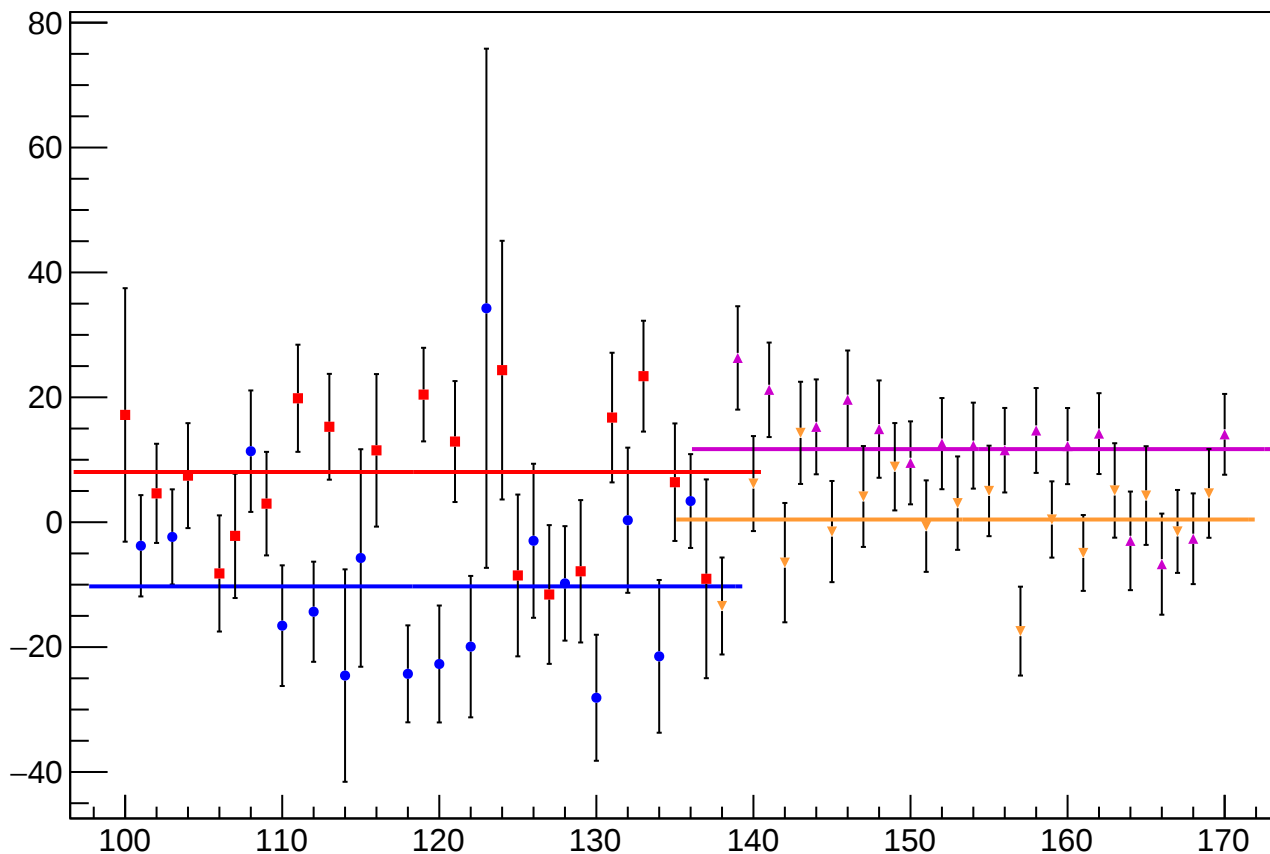
Left In: 1553.172+/-0.315 χ^2/NDF : 576179.5/15

+ sign 1235.572+/-0.205 χ^2/NDF : 2599884.7/33

All: 1244.585+/-0.146 χ^2/NDF : 5102336.5/68

- sign 1253.736+/-0.207 χ^2/NDF : 2498575.4/34

diff_bpm0l05X_mean vs Slug



Right In: -10.277 ± 2.408 χ^2/NDF : 23.5/16

Left Out: 0.432 ± 1.779 χ^2/NDF : 17.5/16

Right Out: 8.041 ± 2.278 χ^2/NDF : 22.8/18

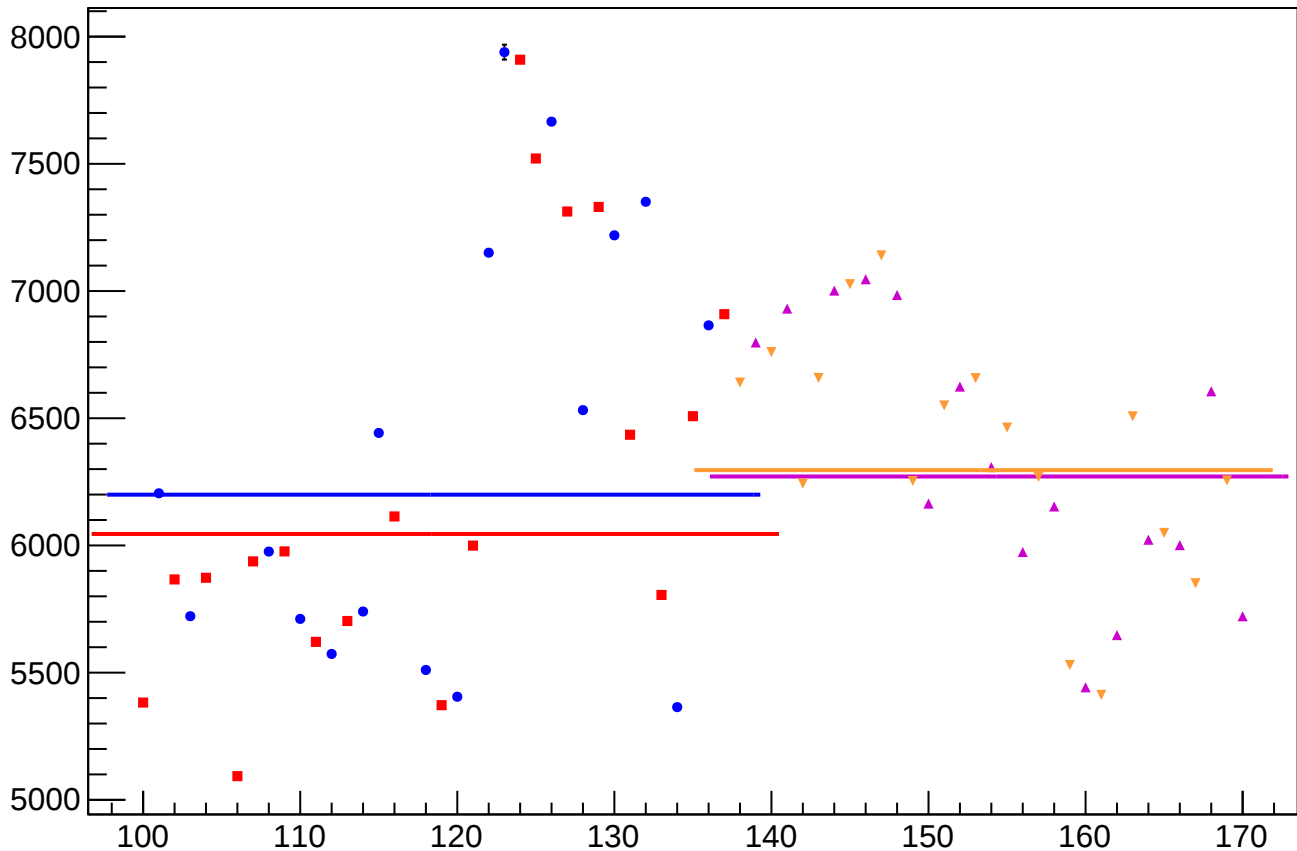
Left In: 11.705 ± 1.788 χ^2/NDF : 19.2/15

+ sign -3.350 ± 1.431 χ^2/NDF : 53.8/33

All: 3.597 ± 1.003 χ^2/NDF : 143.8/68

- sign 10.309 ± 1.407 χ^2/NDF : 43.6/34

diff_bpm0l05X_rms vs Slug



Right In: 6199.617 $\pm$ 1.703 χ^2 /NDF: 171760.4/16

Left Out: 6296.052 $\pm$ 1.258 χ^2 /NDF:147983.4/16

Right Out: 6045.172 $\pm$ 1.611 χ^2 /NDF: 158323.0/18

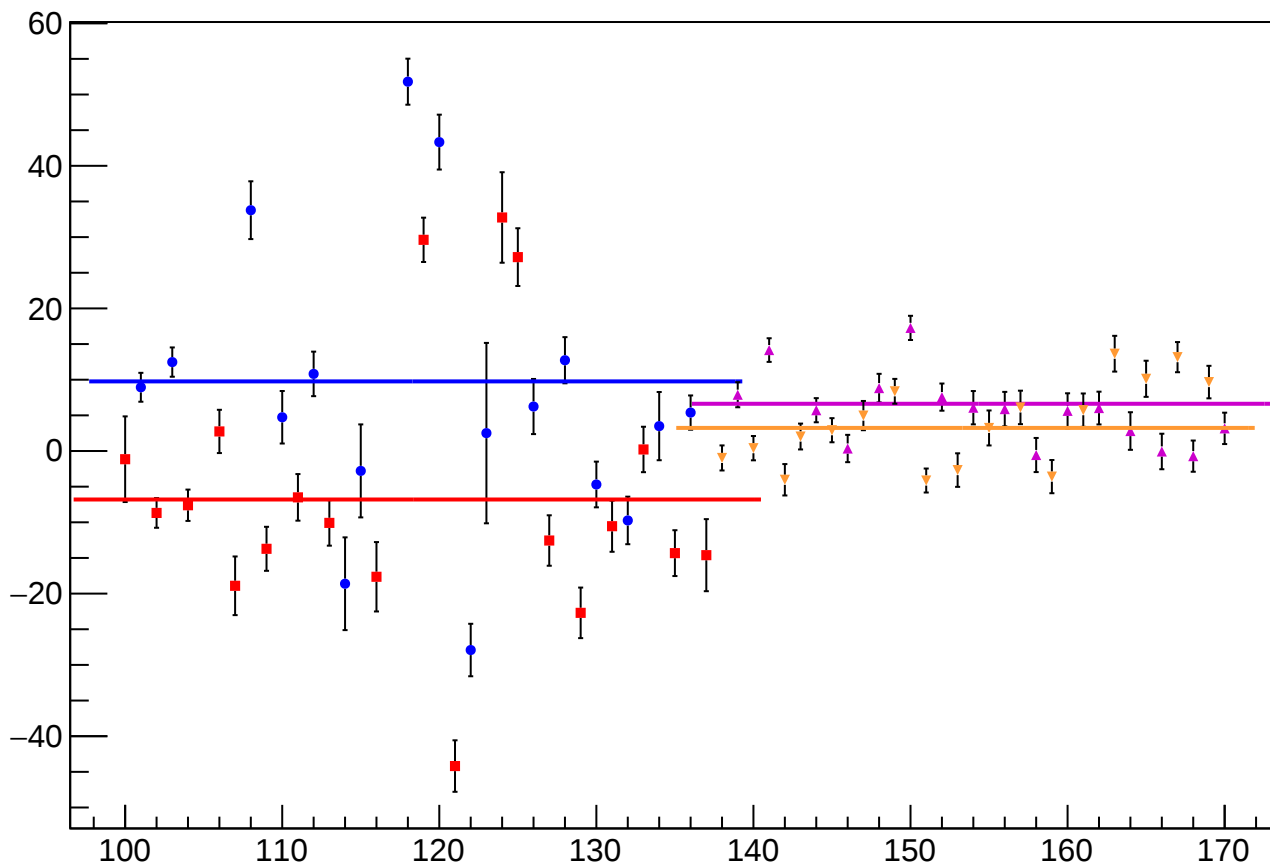
Left In: 6271.054 $\pm$ 1.264 χ^2 /NDF:166002.4/15

+ sign 6261.995 $\pm$ 1.012 χ^2 /NDF: 321819.0/33

All: 6222.823 $\pm$ 0.709 χ^2 /NDF: 661257.9/68

- sign 6184.974 $\pm$ 0.995 χ^2 /NDF: 336491.7/34

diff_bpm0l05Y_mean vs Slug



Right In: 9.764 ± 0.797 χ^2/NDF : 473.8/16

Left Out: 3.239 ± 0.495 χ^2/NDF : 120.7/16

Right Out: -6.801 ± 0.765 χ^2/NDF : 421.8/18

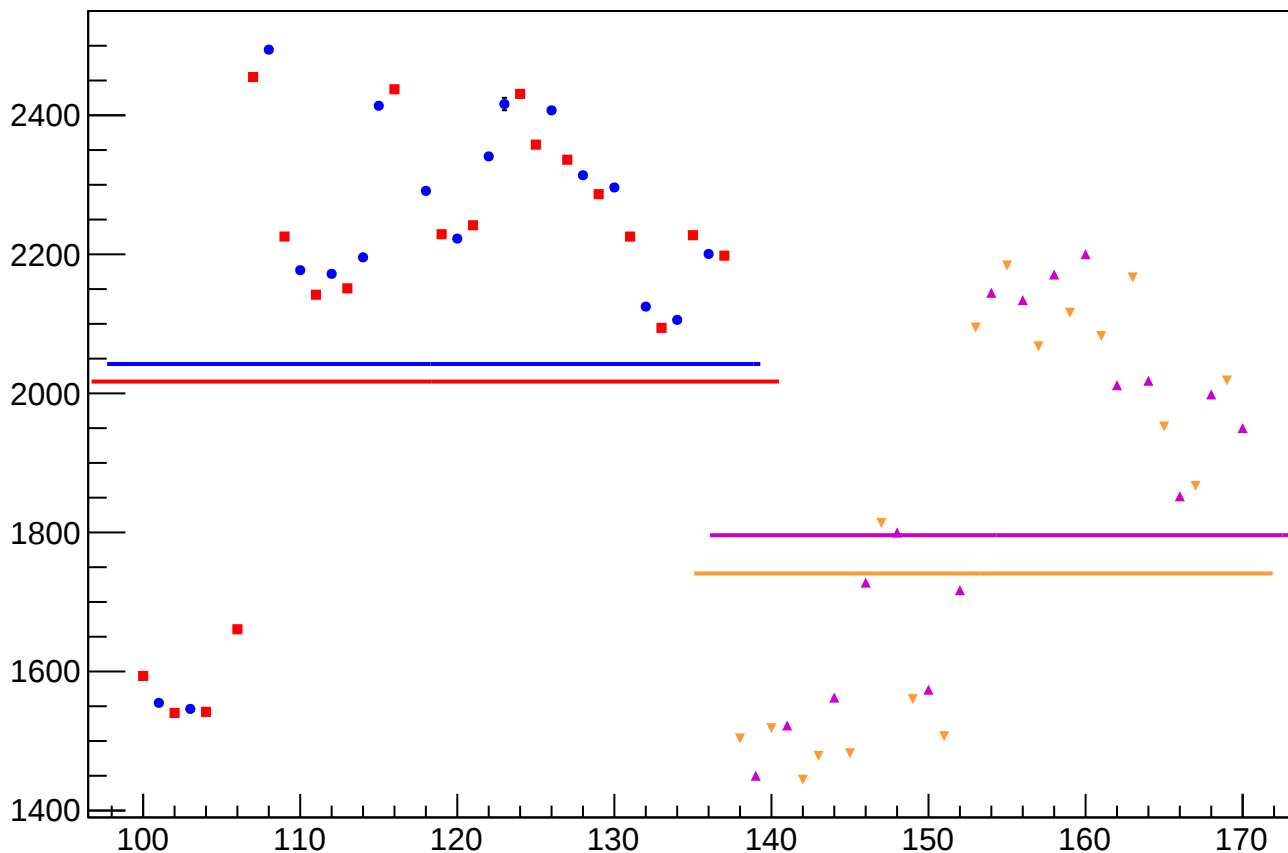
Left In: 6.625 ± 0.514 χ^2/NDF : 105.4/15

+ sign 5.058 ± 0.421 χ^2/NDF : 642.8/33

All: 3.771 ± 0.300 χ^2/NDF : 1401.4/68

- sign 2.447 ± 0.427 χ^2/NDF : 739.6/34

diff_bpm0l05Y_rms vs Slug



Right In: 2042.269+/-0.563 χ^2 /NDF: 356820.1/16

Left Out: 1741.026+/-0.350 χ^2 /NDF: 610192.0/16

Right Out: 2017.026+/-0.541 χ^2 /NDF: 375630.3/18

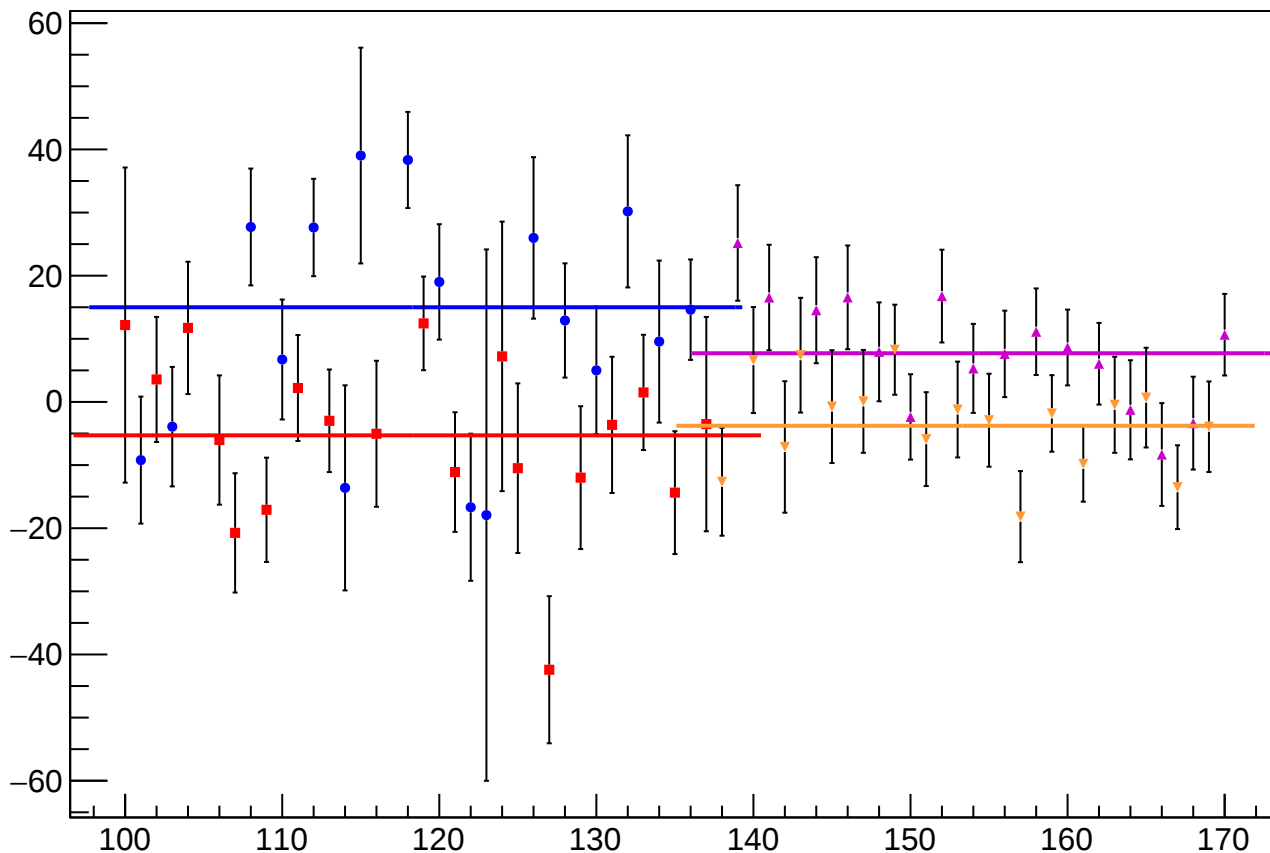
Left In: 1796.051+/-0.363 χ^2 /NDF: 456713.1/15

+ sign 1824.990+/-0.297 χ^2 /NDF: 1173178.2/33

All: 1844.621+/-0.212 χ^2 /NDF: 2129379.6/68

- sign 1864.806+/-0.302 χ^2 /NDF: 947368.6/34

diff_bpm0l06X_mean vs Slug



Right In: 14.997 ± 2.485 χ^2/NDF : 41.3/16

Left Out: -3.775 ± 1.825 χ^2/NDF : 15.4/16

Right Out: -5.291 ± 2.357 χ^2/NDF : 28.1/18

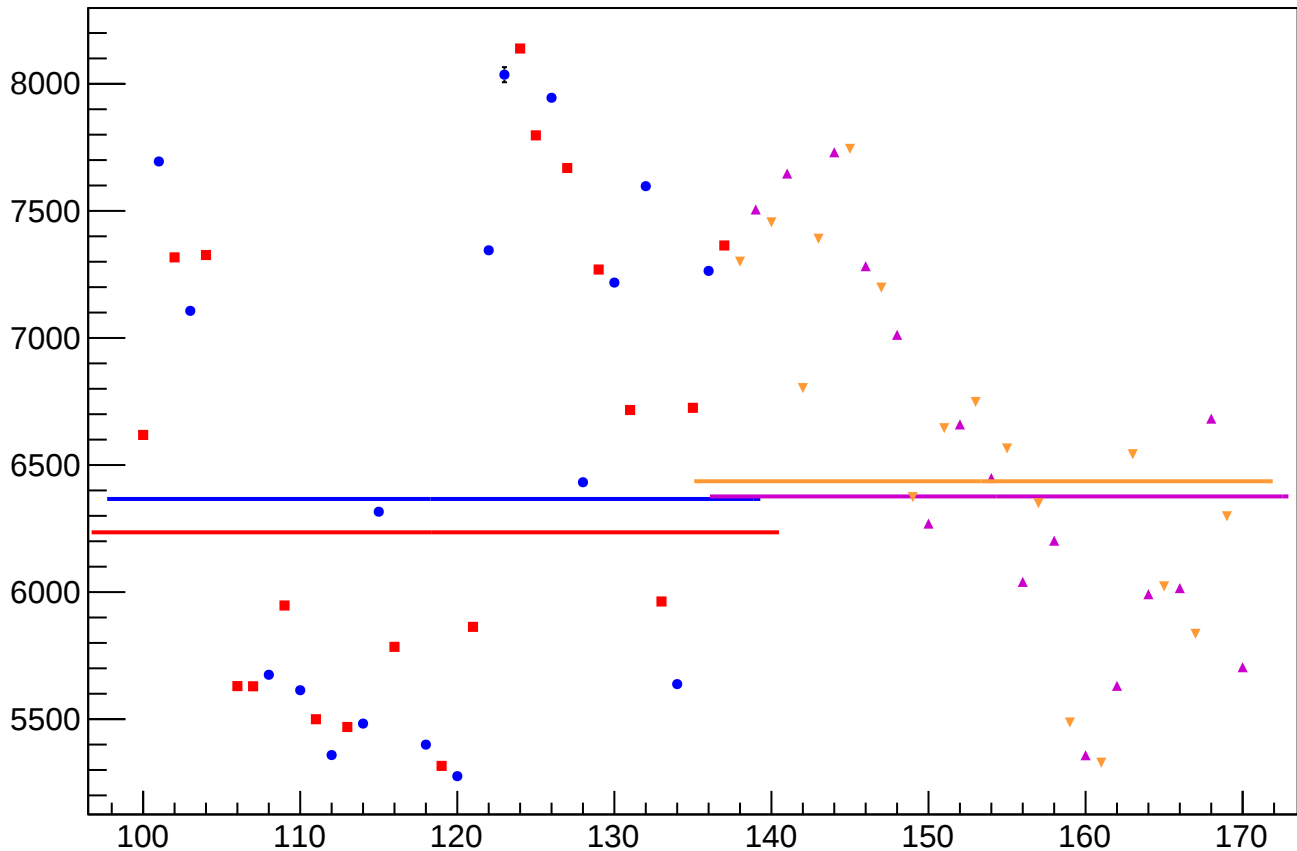
Left In: 7.712 ± 1.825 χ^2/NDF : 18.4/15

+ sign 2.803 ± 1.471 χ^2/NDF : 93.8/33

All: 2.821 ± 1.030 χ^2/NDF : 159.3/68

- sign 2.838 ± 1.443 χ^2/NDF : 65.5/34

diff_bpm0l06X_rms vs Slug



Right In: 6366.491+/-1.757 χ^2/NDF : 286494.5/16

Left Out: 6436.153+/-1.291 χ^2/NDF : 281182.8/16

Right Out: 6235.179+/-1.667 χ^2/NDF : 243204.0/18

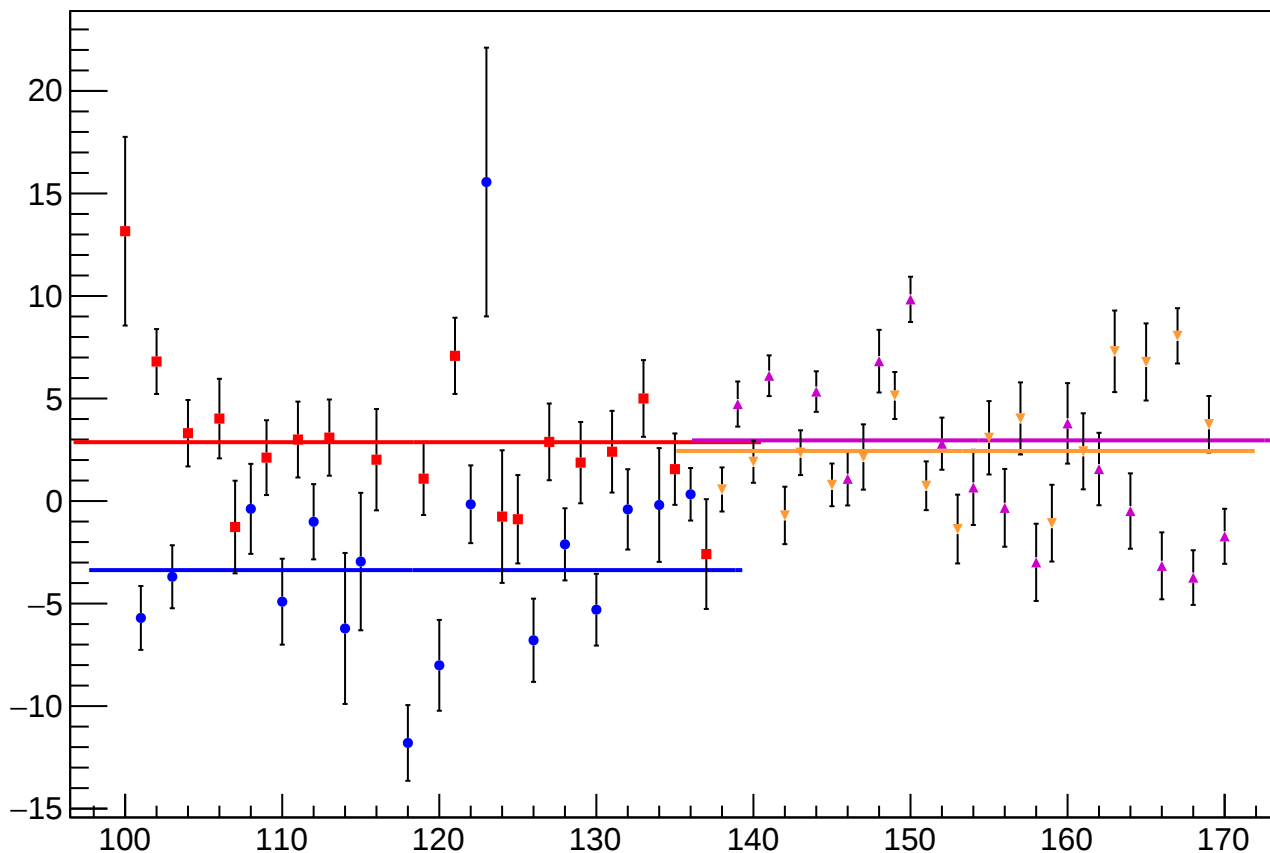
Left In: 6376.463+/-1.291 χ^2/NDF : 294041.8/15

+ sign 6411.742+/-1.040 χ^2/NDF : 568698.1/33

All: 6366.778+/-0.729 χ^2/NDF : 1114100.9/68

- sign 6323.503+/-1.021 χ^2/NDF : 541736.8/34

diff_bpm0l06Y_mean vs Slug



Right In: -3.368 ± 0.476 χ^2/NDF : 59.9/16

Left Out: 2.443 ± 0.331 χ^2/NDF : 57.7/16

Right Out: 2.871 ± 0.456 χ^2/NDF : 32.0/18

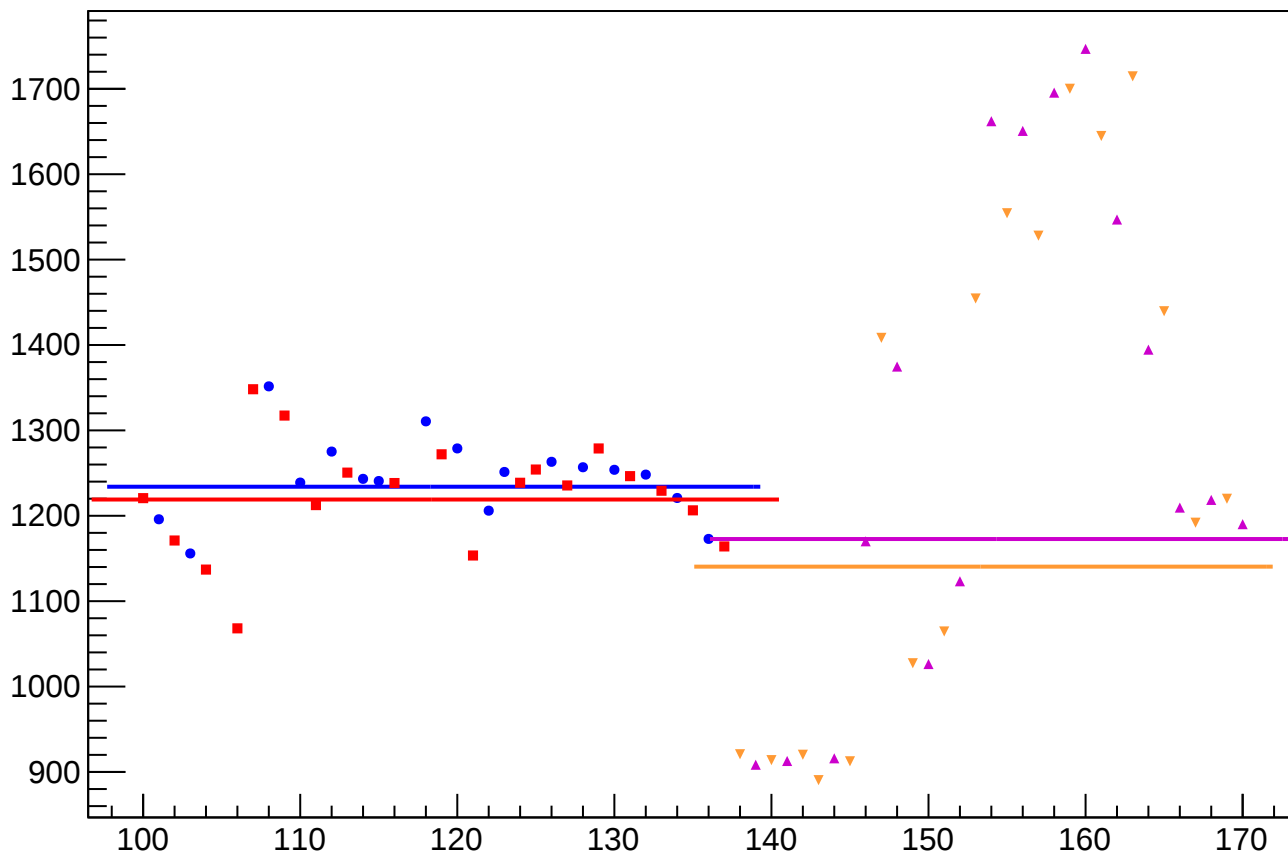
Left In: 2.958 ± 0.342 χ^2/NDF : 136.0/15

+ sign 0.547 ± 0.272 χ^2/NDF : 218.2/33

All: 1.728 ± 0.193 χ^2/NDF : 424.4/68

- sign 2.927 ± 0.274 χ^2/NDF : 168.1/34

diff_bpm0l06Y_rms vs Slug



Right In: 1234.032+/-0.336 χ^2/NDF : 23565.3/16

Left Out: 1140.441+/-0.234 χ^2/NDF : 1343674.9/16

Right Out: 1219.041+/-0.323 χ^2/NDF : 40370.4/18

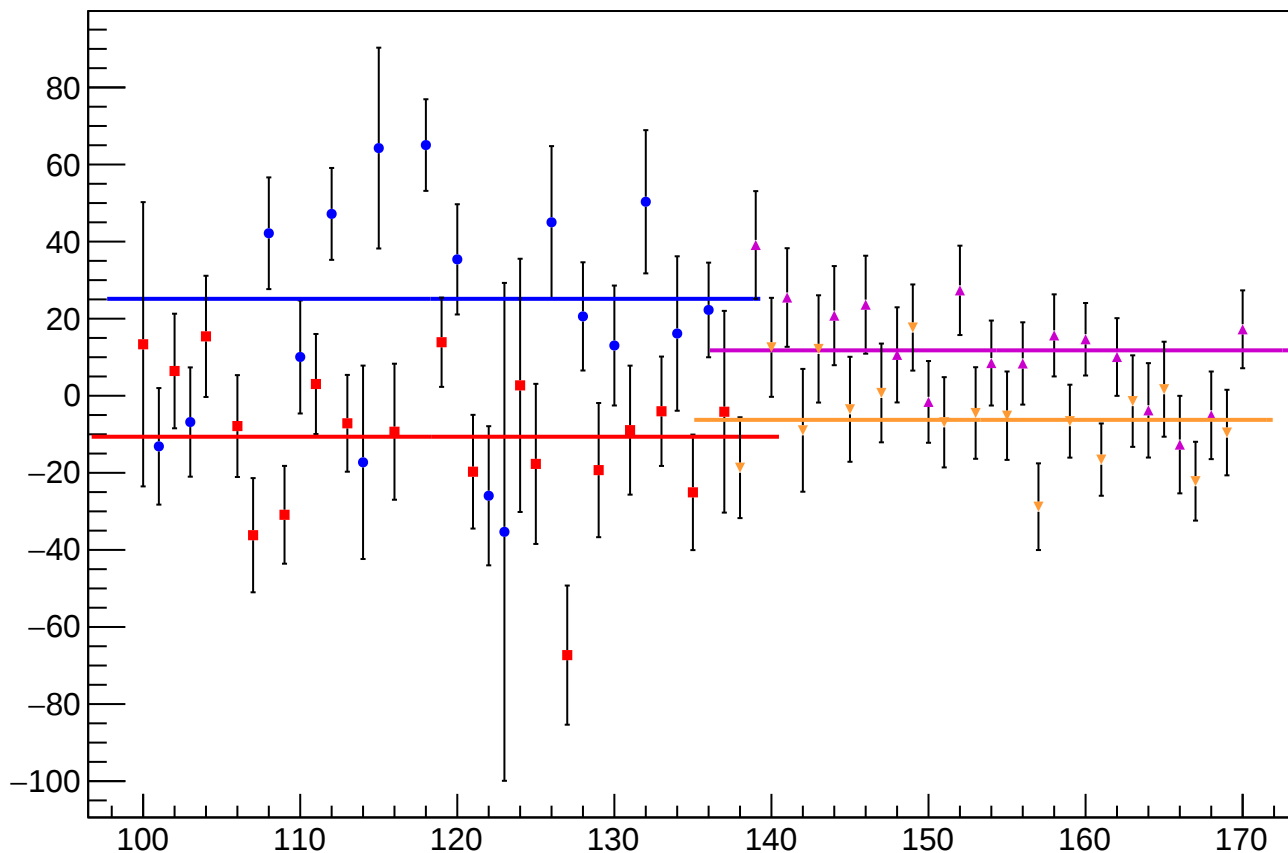
Left In: 1172.775+/-0.242 χ^2/NDF : 1177654.3/15

+ sign 1170.975+/-0.192 χ^2/NDF : 1419438.3/33

All: 1180.124+/-0.136 χ^2/NDF : 2655197.5/68

- sign 1189.416+/-0.194 χ^2/NDF : 1231185.0/34

diff_bpm0l07X_mean vs Slug



Right In: 25.149 ± 3.837 $\chi^2/\text{NDF}: 46.9/16$

Left Out: -6.256 ± 2.837 $\chi^2/\text{NDF}: 18.1/16$

Right Out: -10.634 ± 3.595 $\chi^2/\text{NDF}: 27.7/18$

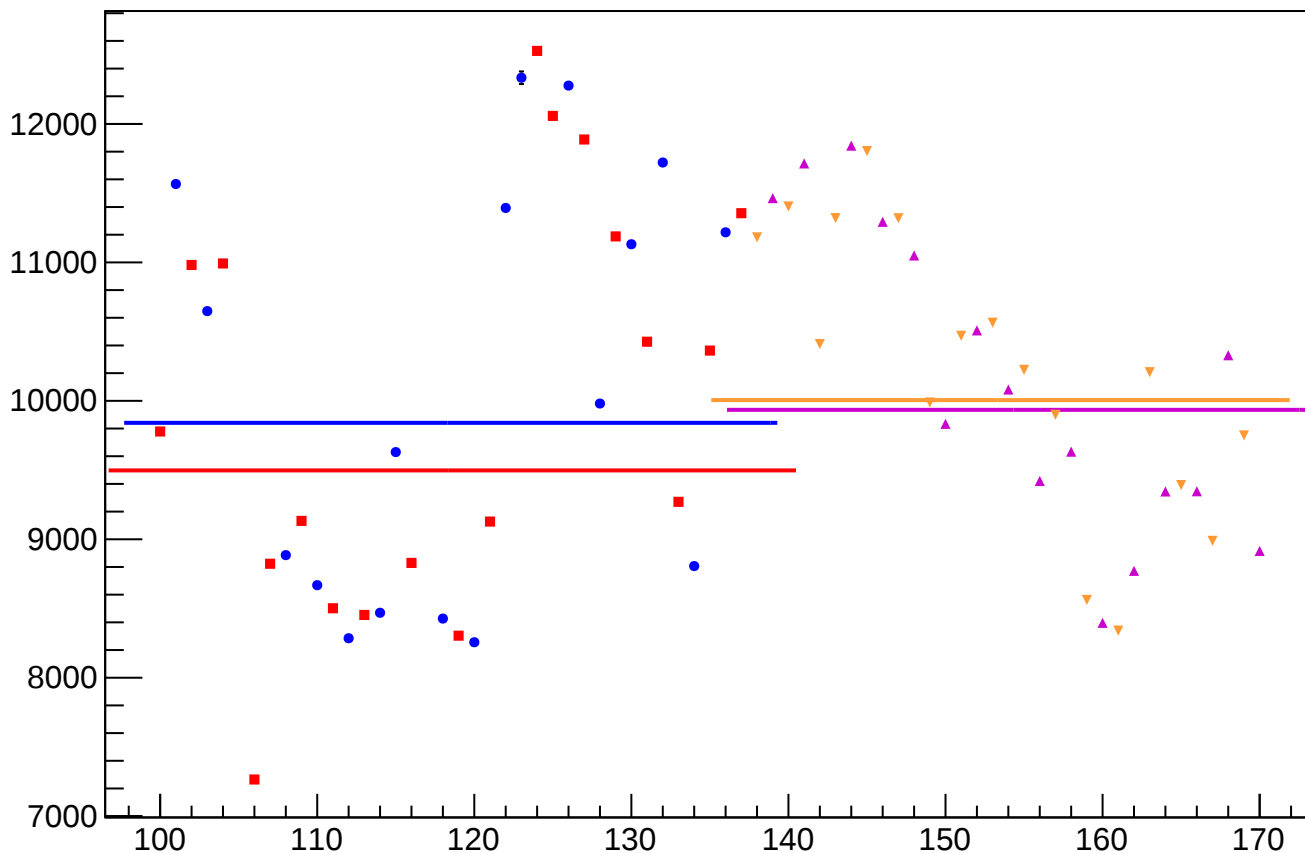
Left In: 11.781 ± 2.842 $\chi^2/\text{NDF}: 18.0/15$

+ sign 4.841 ± 2.281 $\chi^2/\text{NDF}: 108.4/33$

All: 3.980 ± 1.594 $\chi^2/\text{NDF}: 178.3/68$

- sign 3.157 ± 2.230 $\chi^2/\text{NDF}: 69.6/34$

diff_bpm0l07X_rms vs Slug



Right In: 9841.174 ± 2.713 χ^2/NDF : 260062.4/16

Left Out: 10005.373 ± 2.006 χ^2/NDF : 259342.0/16

Right Out: 9497.483 ± 2.542 χ^2/NDF : 276700.1/18

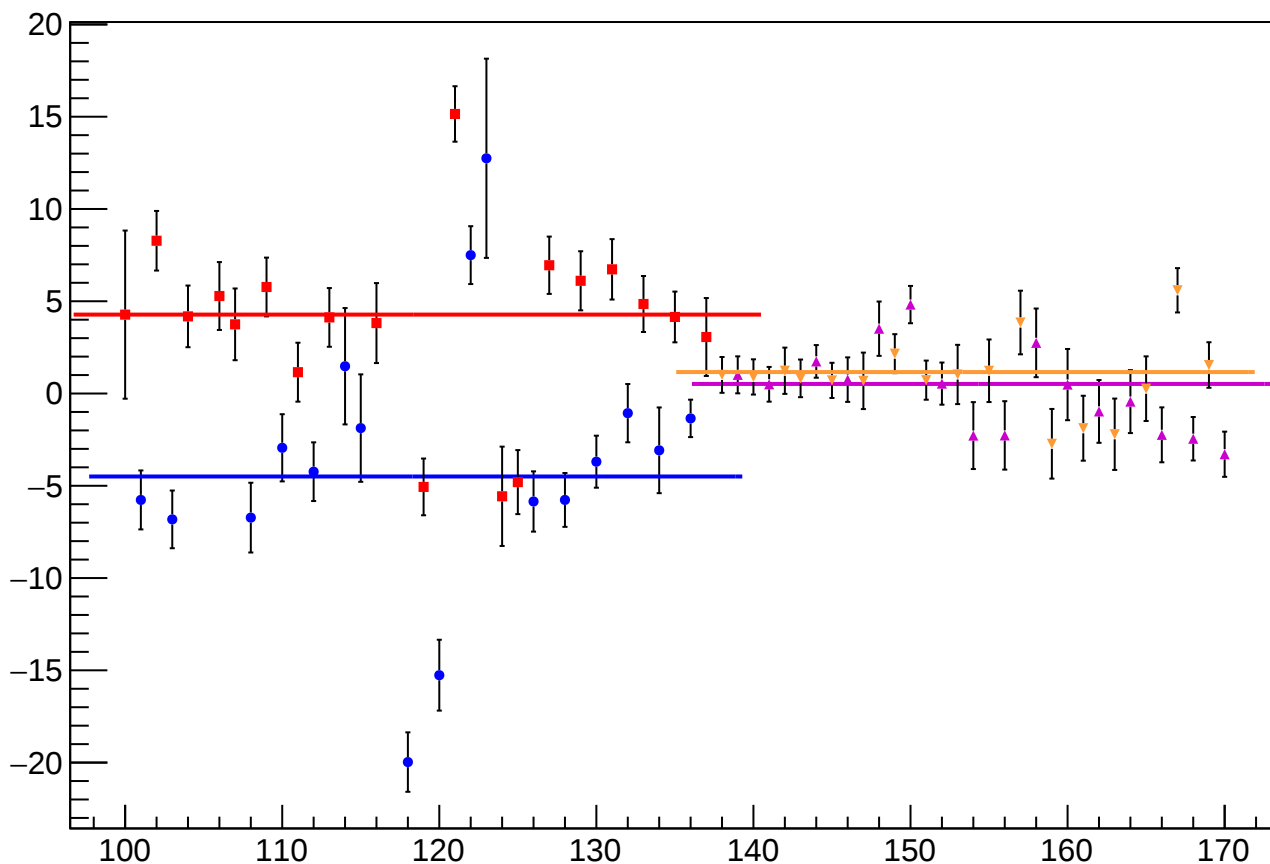
Left In: 9935.035 ± 2.010 χ^2/NDF : 269373.9/15

+ sign 9947.352 ± 1.613 χ^2/NDF : 521772.3/33

All: 9854.965 ± 1.127 χ^2/NDF : 1092493.7/68

- sign 9766.700 ± 1.577 χ^2/NDF : 564306.5/34

diff_bpm0l07Y_mean vs Slug



Right In: -4.497 ± 0.408 χ^2/NDF : 218.4/16

Left Out: 1.162 ± 0.306 χ^2/NDF : 28.3/16

Right Out: 4.277 ± 0.394 χ^2/NDF : 148.2/18

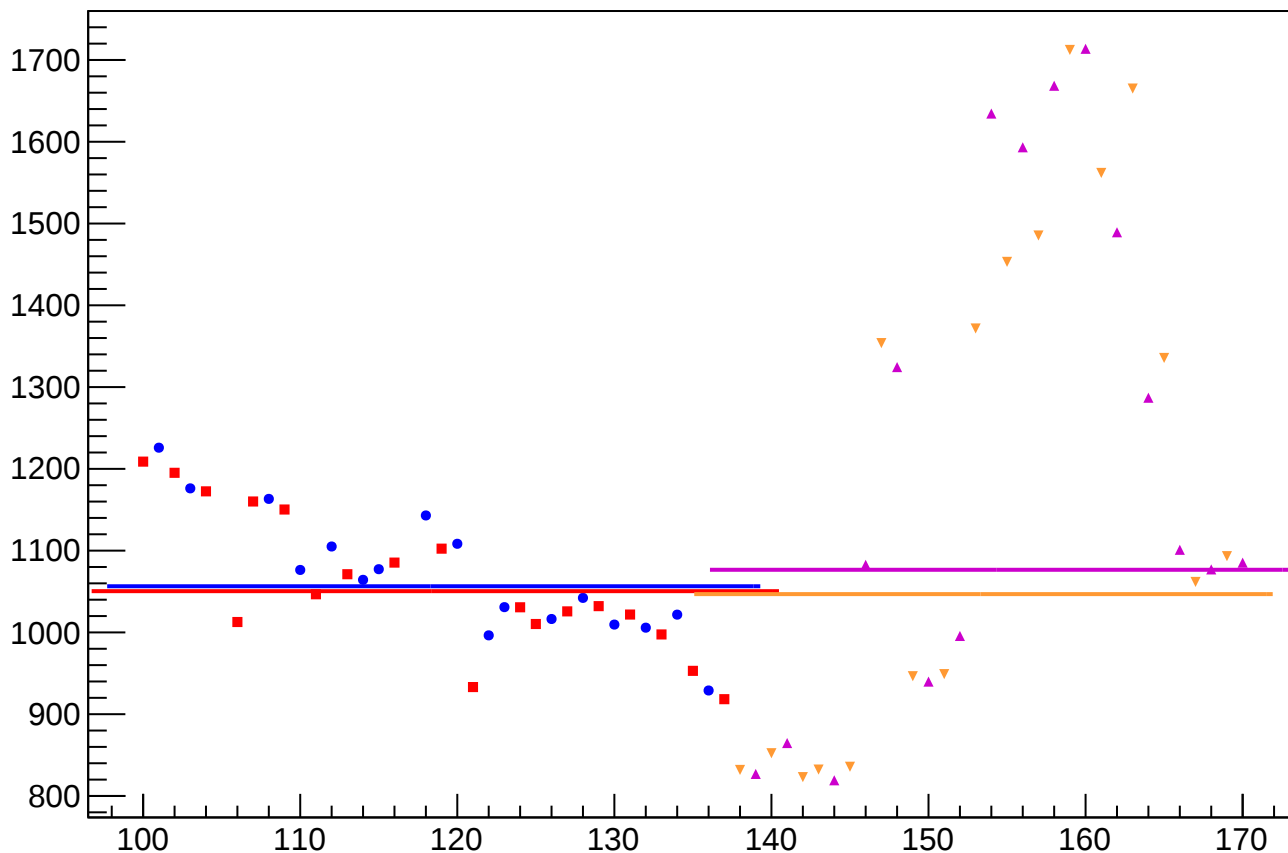
Left In: 0.519 ± 0.317 χ^2/NDF : 51.1/15

+ sign -0.873 ± 0.245 χ^2/NDF : 369.8/33

All: 0.549 ± 0.174 χ^2/NDF : 692.4/68

- sign 1.993 ± 0.247 χ^2/NDF : 254.6/34

diff_bpm0l07Y_rms vs Slug



Right In: 1056.436 $\pm$ 0.289 χ^2 /NDF: 90773.0/16

Left Out: 1046.833 $\pm$ 0.216 χ^2 /NDF:1555370.5/16

Right Out: 1050.443 $\pm$ 0.279 χ^2 /NDF: 82396.5/18

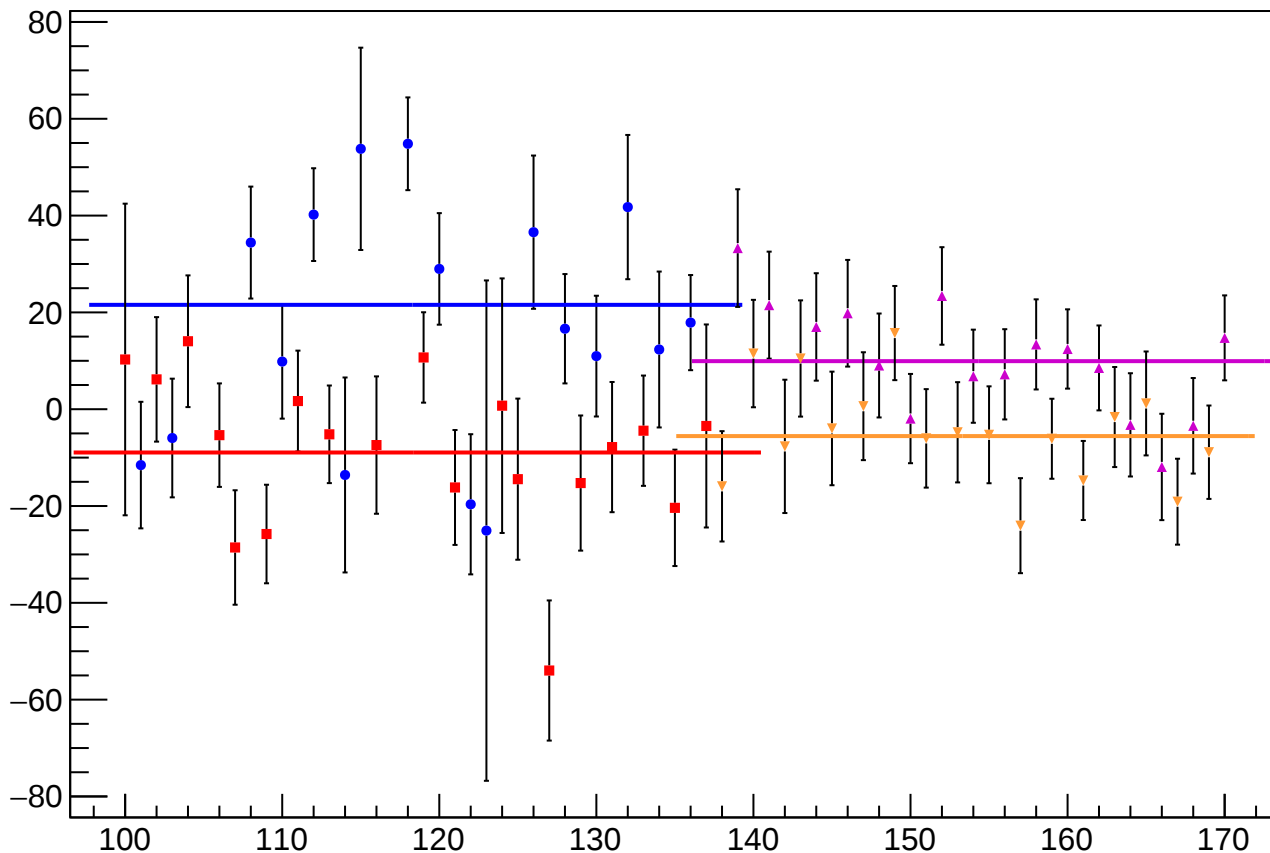
Left In: 1076.589 $\pm$ 0.224 χ^2 /NDF:1412357.6/15

+ sign 1050.286 $\pm$ 0.173 χ^2 /NDF: 1646852.5/33

All: 1058.243 $\pm$ 0.123 χ^2 /NDF: 3151222.4/68

- sign 1066.330 $\pm$ 0.174 χ^2 /NDF: 1500108.0/34

diff_bpm0l08X_mean vs Slug



Right In: 21.561 $\pm$ 3.110 χ^2 /NDF: 48.4/16

Left Out: -5.553 $\pm$ 2.466 χ^2 /NDF: 17.9/16

Right Out: -8.943 $\pm$ 2.912 χ^2 /NDF: 27.4/18

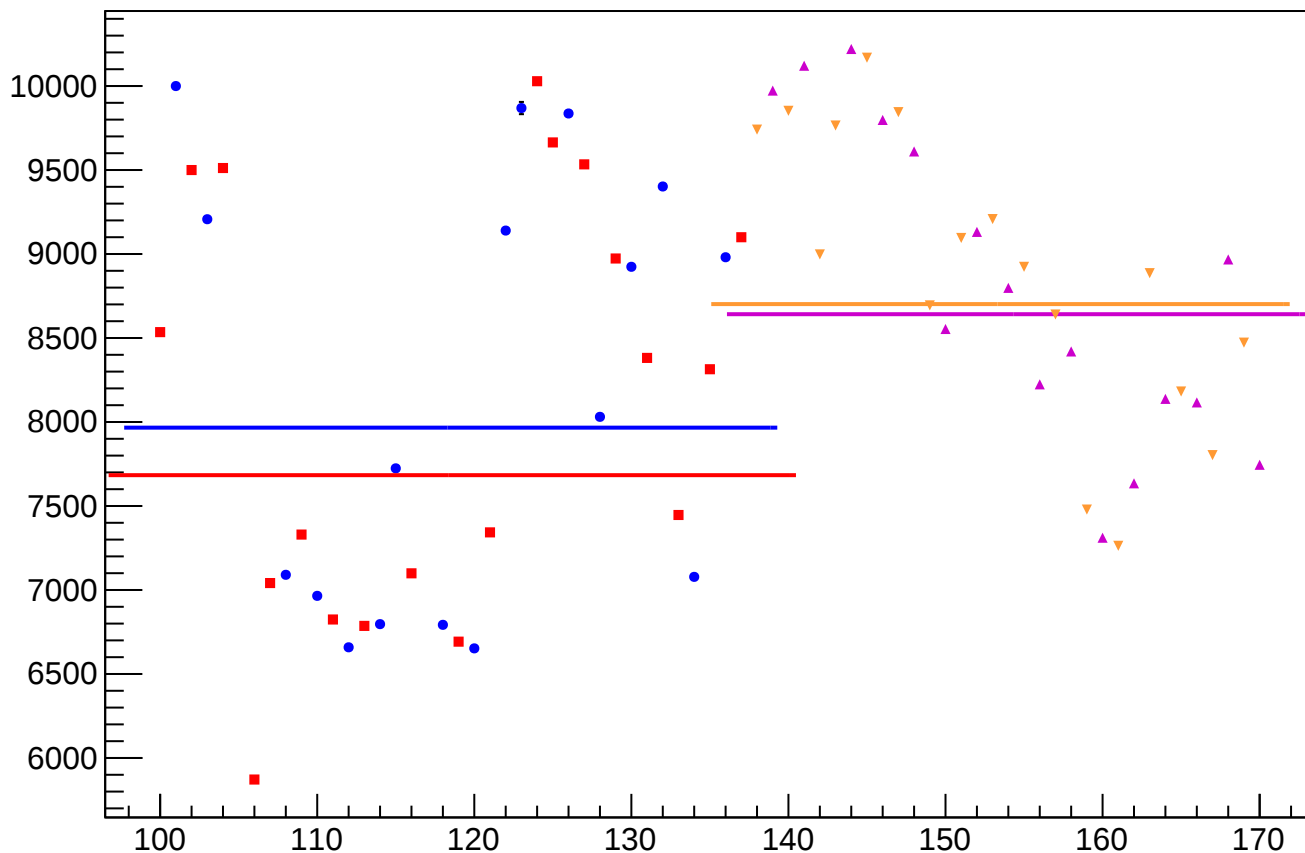
Left In: 9.928 $\pm$ 2.472 χ^2 /NDF: 17.5/15

+ sign 4.915 $\pm$ 1.933 χ^2 /NDF: 113.0/33

All: 3.433 $\pm$ 1.349 χ^2 /NDF: 183.5/68

- sign 2.025 $\pm$ 1.884 χ^2 /NDF: 69.4/34

diff_bpm0l08X_rms vs Slug



Right In: 7966.405 $\pm$ 2.199 χ^2 /NDF: 296611.1/16

Left Out: 8701.861 $\pm$ 1.744 χ^2 /NDF: 248698.8/16

Right Out: 7683.479 $\pm$ 2.059 χ^2 /NDF: 315033.7/18

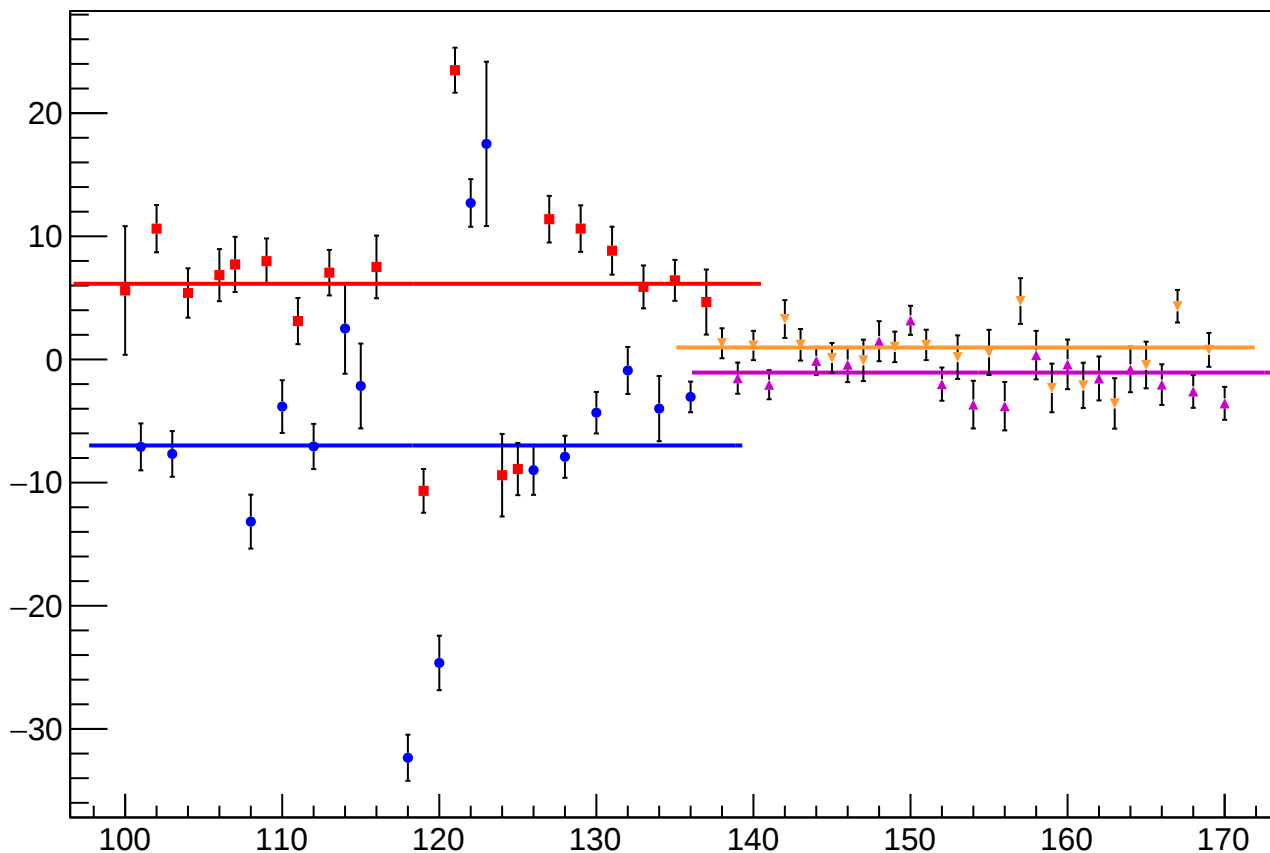
Left In: 8641.712 $\pm$ 1.748 χ^2 /NDF: 260370.0/15

+ sign 8417.927 $\pm$ 1.367 χ^2 /NDF: 613960.8/33

All: 8326.927 $\pm$ 0.954 χ^2 /NDF: 1323895.5/68

- sign 8240.408 $\pm$ 1.332 χ^2 /NDF: 701284.2/34

diff_bpm0l08Y_mean vs Slug



Right In: -6.984 ± 0.486 χ^2/NDF : 408.5/16

Left Out: 0.971 ± 0.357 χ^2/NDF : 25.1/16

Right Out: 6.145 ± 0.467 χ^2/NDF : 277.5/18

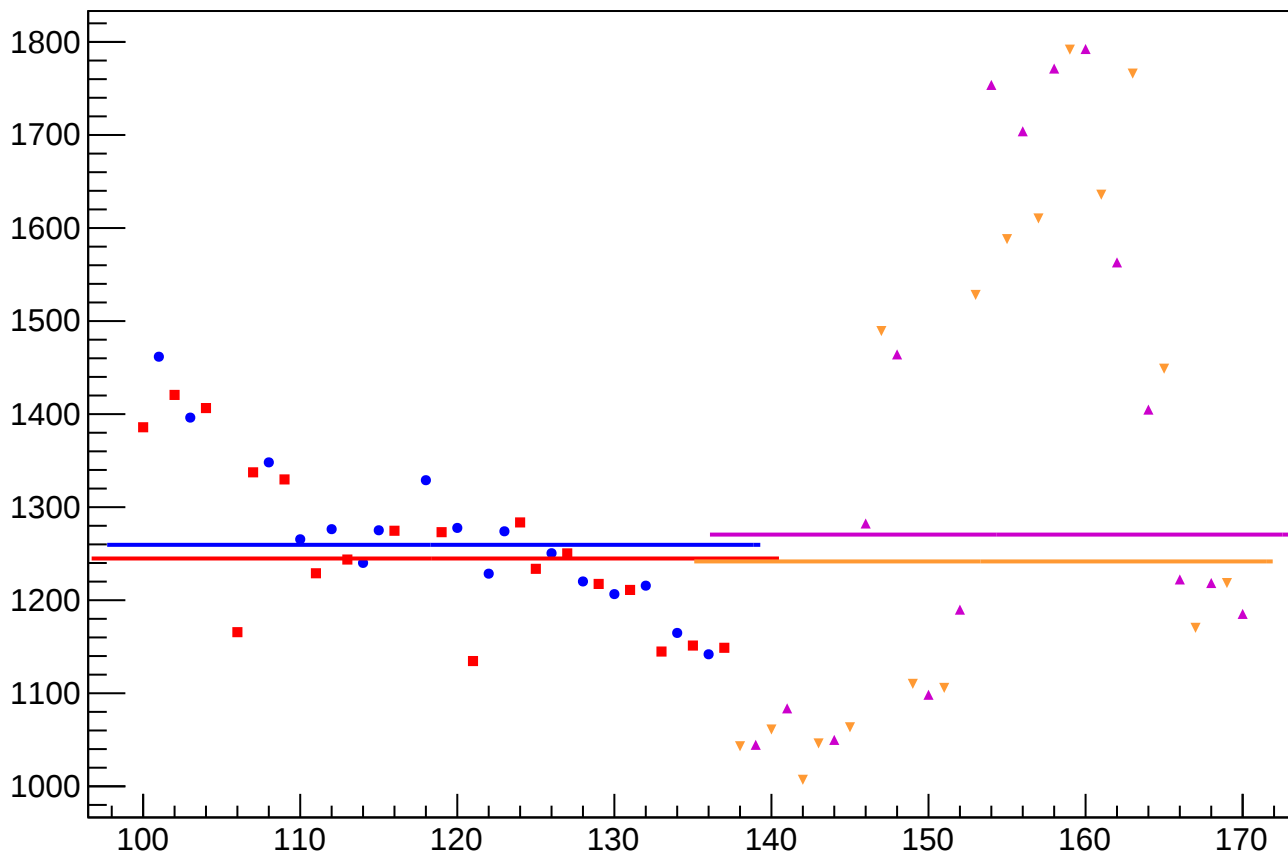
Left In: -1.066 ± 0.368 χ^2/NDF : 27.2/15

+ sign -1.819 ± 0.288 χ^2/NDF : 607.5/33

All: -0.066 ± 0.204 χ^2/NDF : 1133.7/68

- sign 1.700 ± 0.289 χ^2/NDF : 451.9/34

diff_bpm0l08Y_rms vs Slug



Right In: 1259.531+/-0.344 χ^2/NDF : 64844.4/16

Left Out: 1241.685+/-0.253 χ^2/NDF : 937004.0/16

Right Out: 1244.837+/-0.330 χ^2/NDF : 66826.0/18

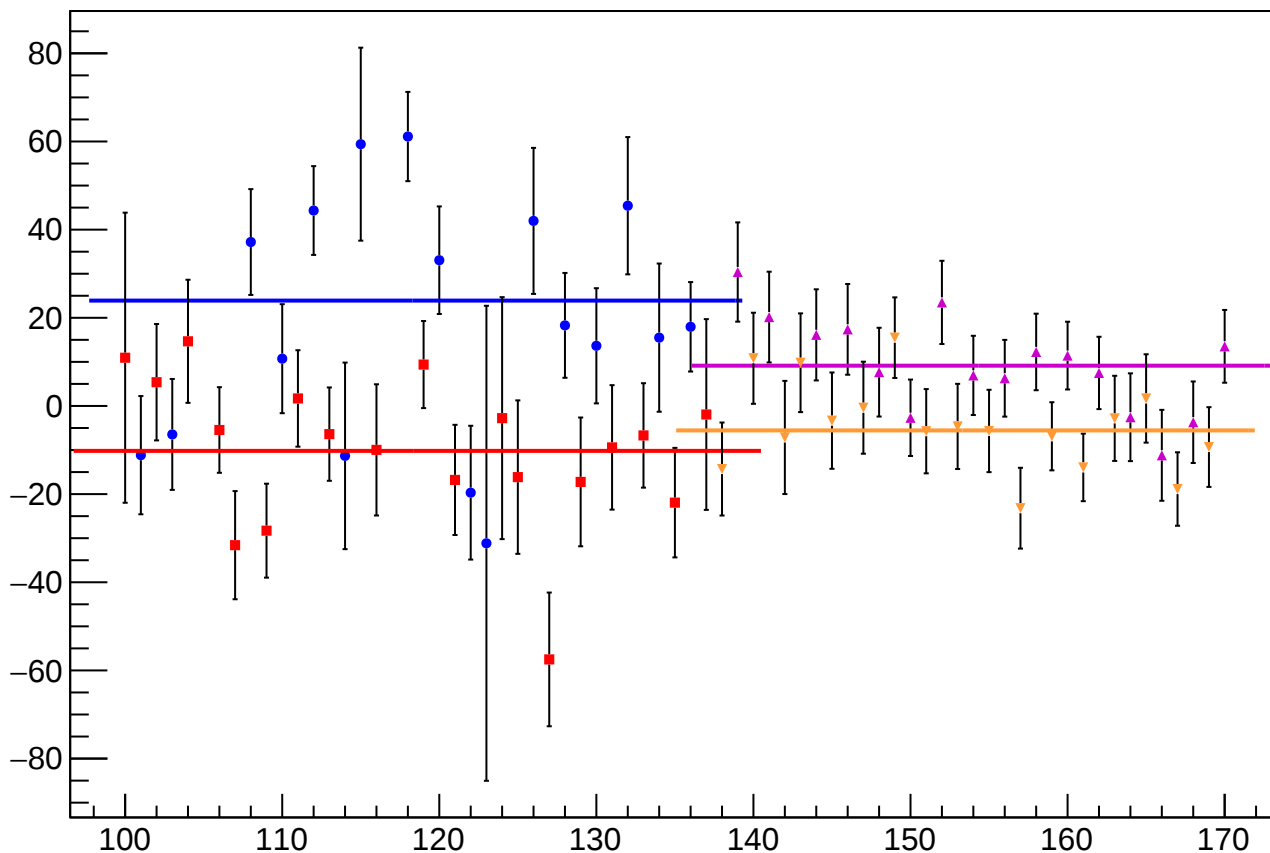
Left In: 1270.534+/-0.260 χ^2/NDF : 830118.6/15

+ sign 1247.945+/-0.204 χ^2/NDF : 1003597.9/33

All: 1254.289+/-0.144 χ^2/NDF : 1906229.9/68

- sign 1260.679+/-0.204 χ^2/NDF : 900683.4/34

diff_bpm0l09X_mean vs Slug



Right In: 23.904 ± 3.251 χ^2/NDF : 52.4/16

Left Out: -5.549 ± 2.306 χ^2/NDF : 18.9/16

Right Out: -10.190 ± 3.006 χ^2/NDF : 27.9/18

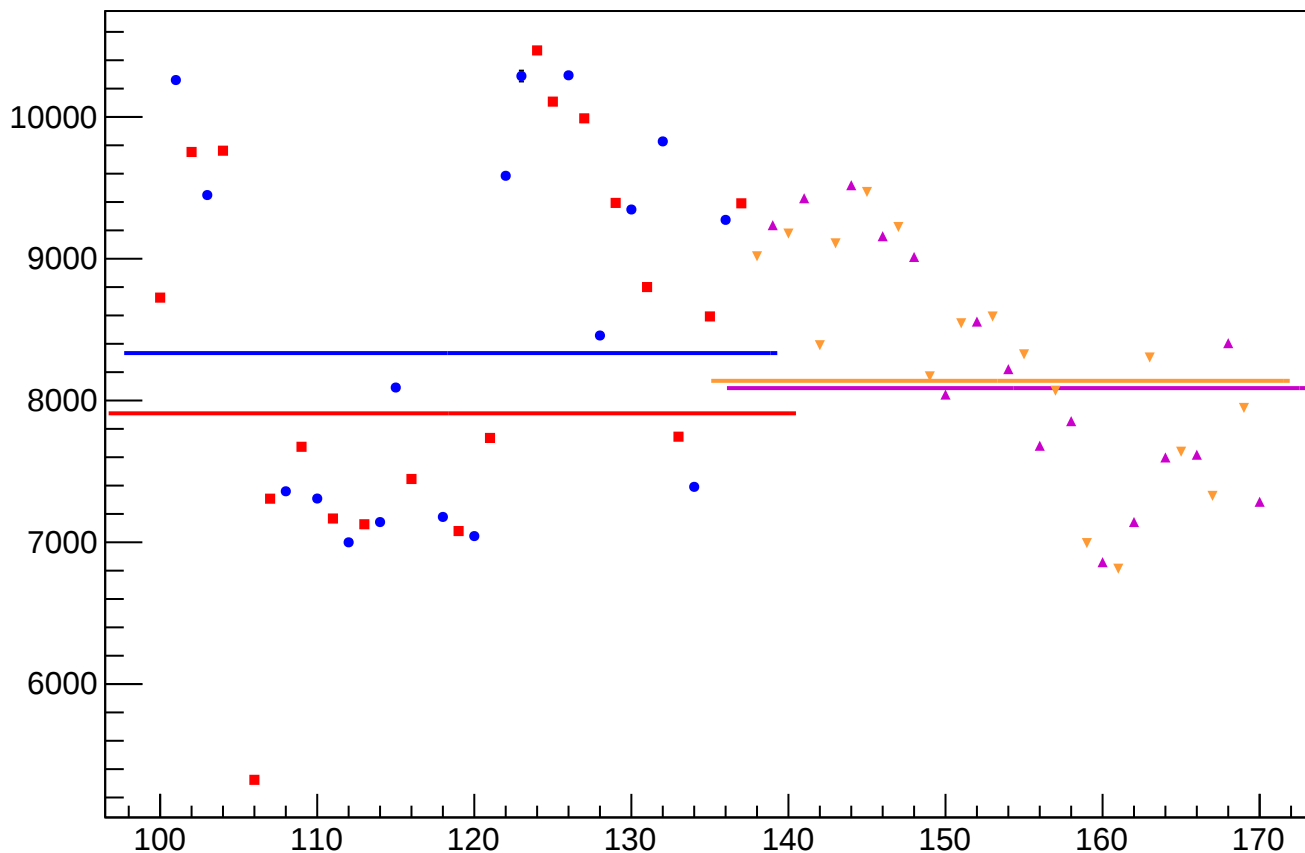
Left In: 9.138 ± 2.313 χ^2/NDF : 17.9/15

+ sign 4.313 ± 1.881 χ^2/NDF : 126.0/33

All: 3.101 ± 1.313 χ^2/NDF : 198.6/68

- sign 1.951 ± 1.833 χ^2/NDF : 71.8/34

diff_bpm0l09X_rms vs Slug



Right In: 8334.507+/-2.299 χ^2/NDF : 272302.6/16

Left Out: 8138.864+/-1.631 χ^2/NDF : 239207.0/16

Right Out: 7909.620+/-2.125 χ^2/NDF : 390819.3/18

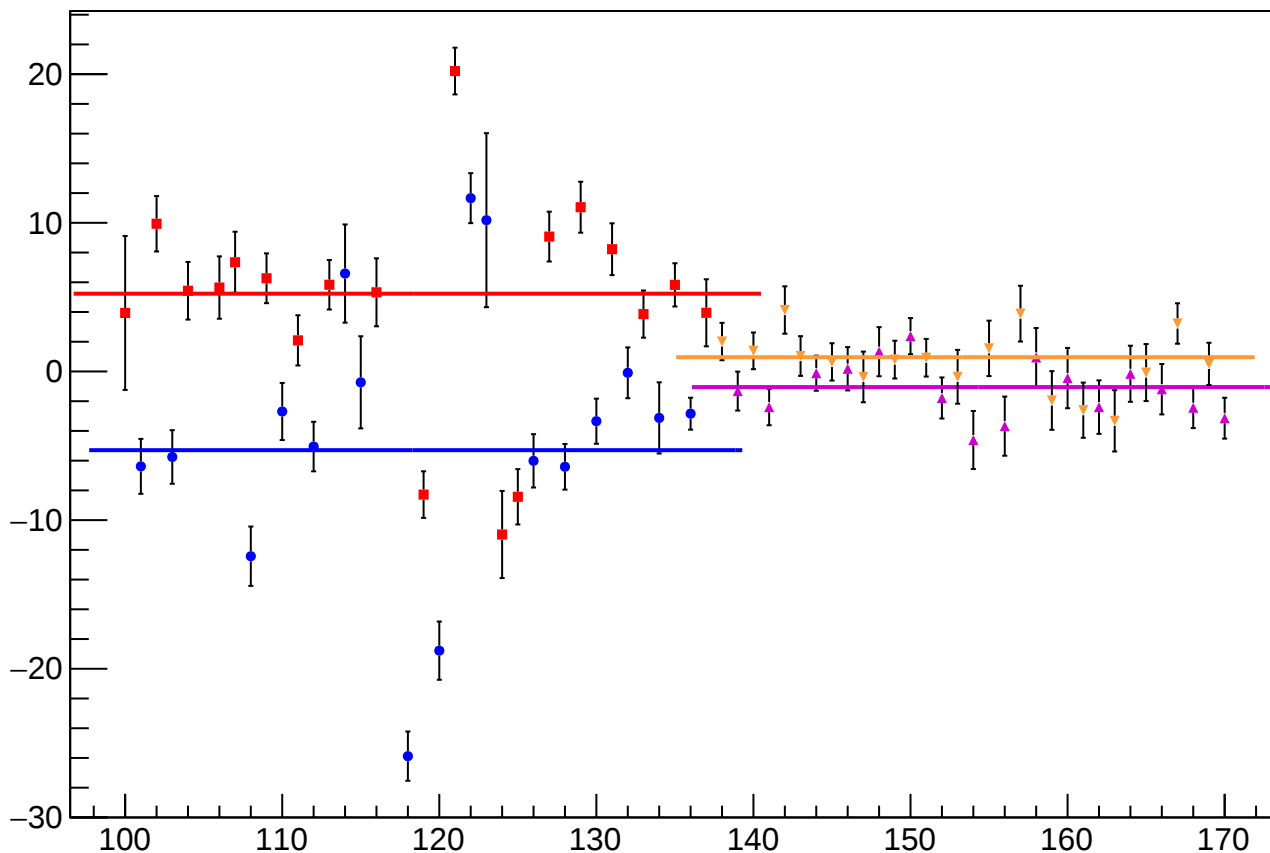
Left In: 8087.493+/-1.635 χ^2/NDF : 250542.5/15

+ sign 8204.375+/-1.330 χ^2/NDF : 516328.6/33

All: 8110.489+/-0.928 χ^2/NDF : 1171803.8/68

- sign 8021.347+/-1.296 χ^2/NDF : 645761.6/34

diff_bpm0l09Y_mean vs Slug



Right In: -5.295 ± 0.437 $\chi^2/\text{NDF}: 358.1/16$

Left Out: 0.959 ± 0.367 $\chi^2/\text{NDF}: 21.9/16$

Right Out: 5.233 ± 0.422 $\chi^2/\text{NDF}: 281.9/18$

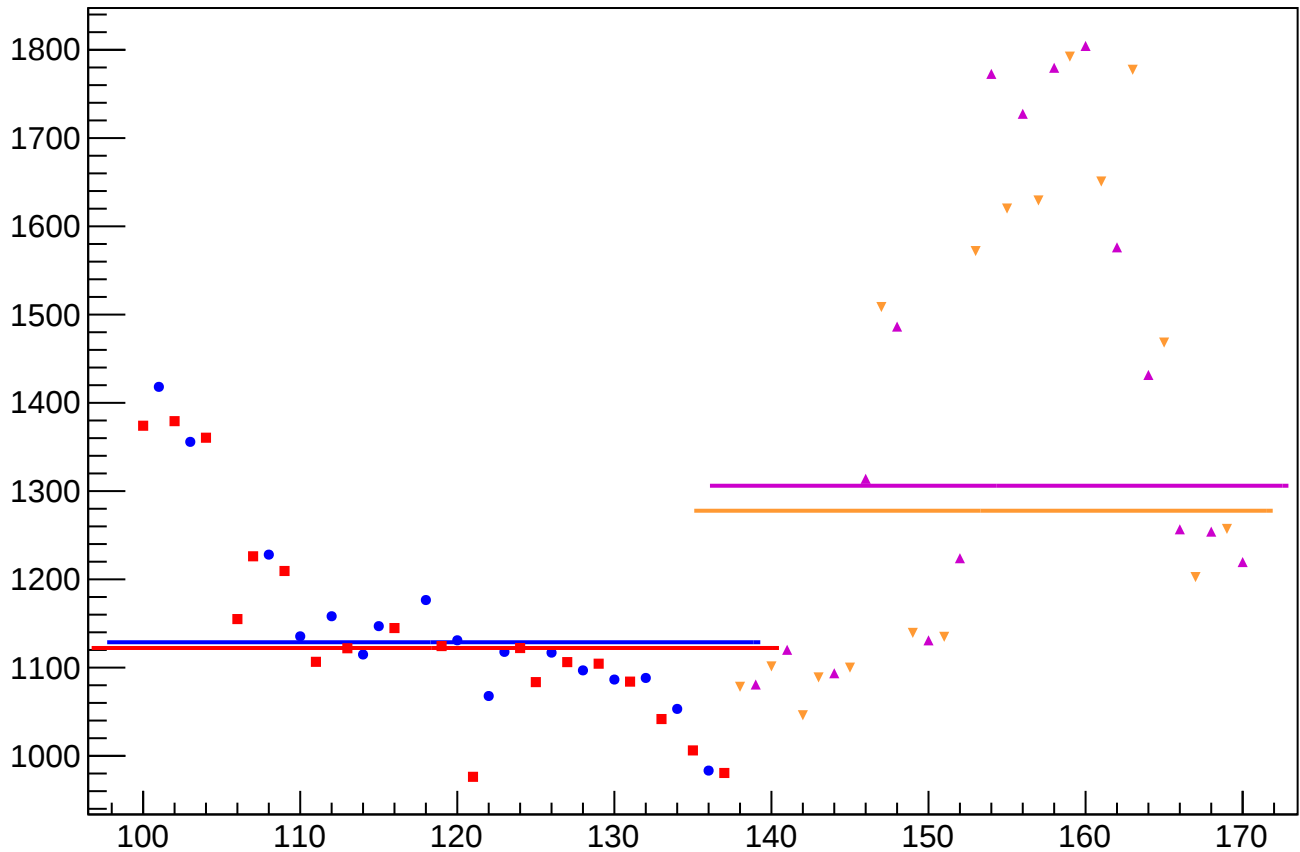
Left In: -1.051 ± 0.377 $\chi^2/\text{NDF}: 23.2/15$

+ sign -1.627 ± 0.281 $\chi^2/\text{NDF}: 500.2/33$

All: 0.057 ± 0.199 $\chi^2/\text{NDF}: 1000.6/68$

- sign 1.744 ± 0.281 $\chi^2/\text{NDF}: 428.4/34$

diff_bpm0l09Y_rms vs Slug



Right In: 1128.740+/-0.309 χ^2/NDF : 133096.9/16

Left Out: 1277.760+/-0.259 χ^2/NDF : 850340.2/16

Right Out: 1122.238+/-0.298 χ^2/NDF : 129601.6/18

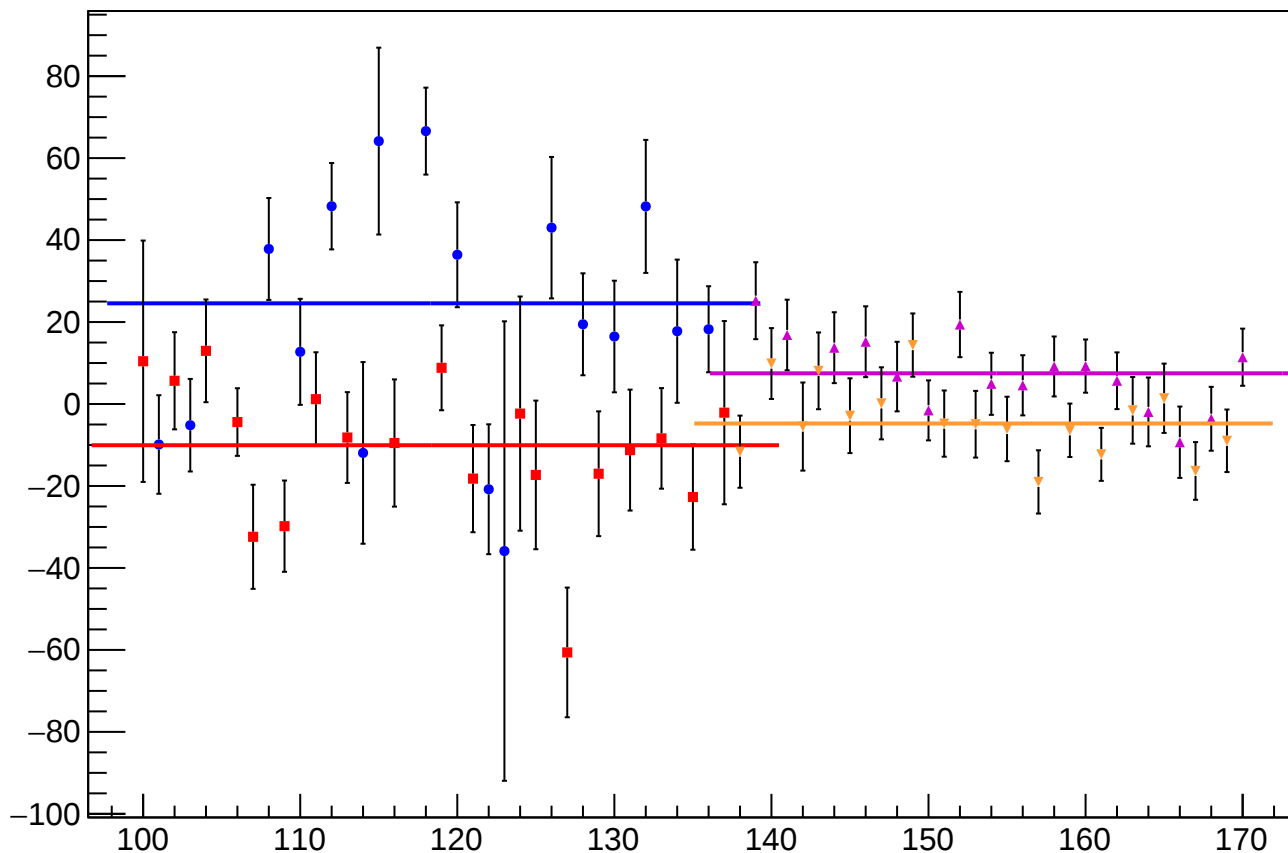
Left In: 1306.071+/-0.267 χ^2/NDF : 748974.8/15

+ sign 1216.133+/-0.199 χ^2/NDF : 1119928.4/33

All: 1220.211+/-0.141 χ^2/NDF : 2210404.6/68

- sign 1224.298+/-0.199 χ^2/NDF : 1089632.4/34

diff_bpm0l10X_mean vs Slug



Right In: 24.569 ± 3.318 $\chi^2/\text{NDF}: 58.1/16$

Left Out: -4.754 ± 1.941 $\chi^2/\text{NDF}: 20.4/16$

Right Out: -10.057 ± 3.008 $\chi^2/\text{NDF}: 28.8/18$

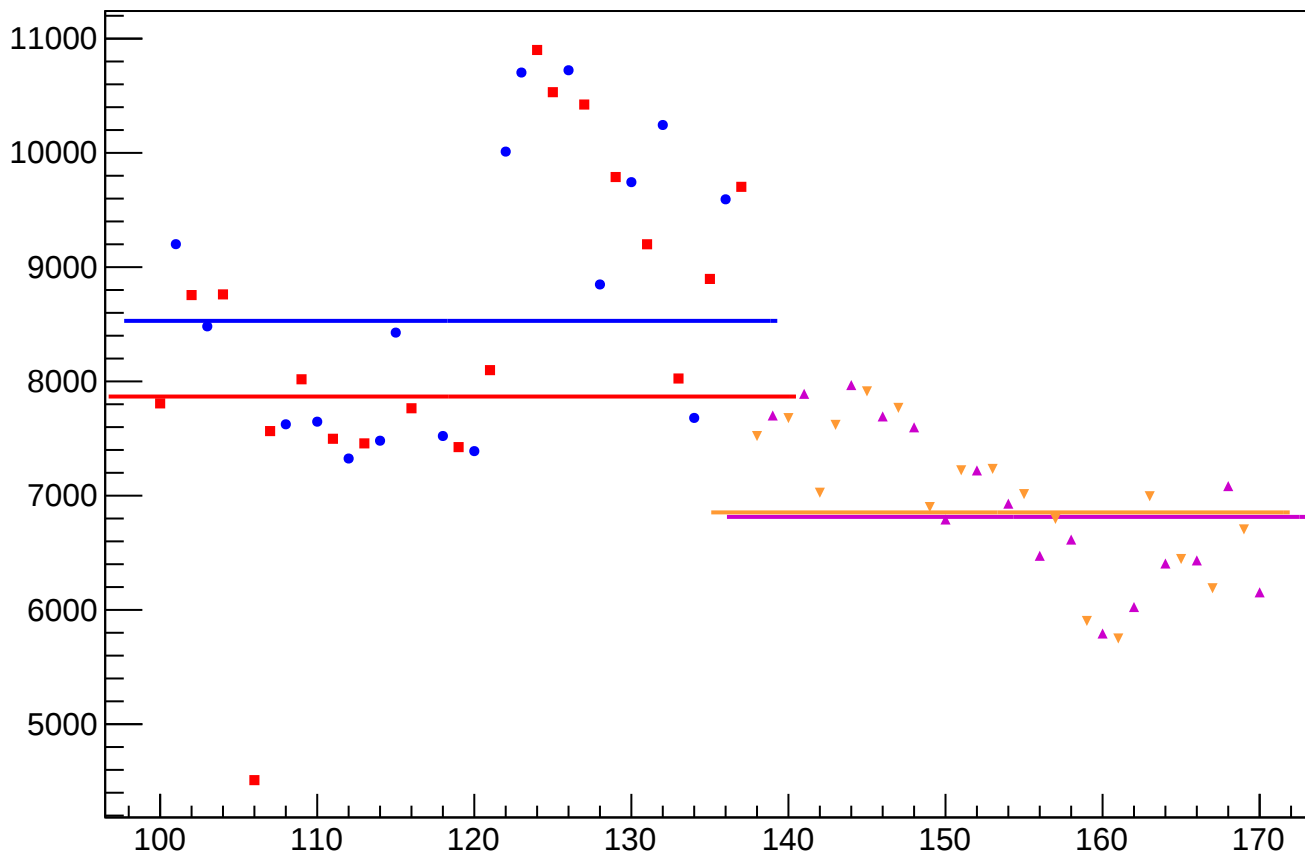
Left In: 7.494 ± 1.948 $\chi^2/\text{NDF}: 17.6/15$

+ sign 2.723 ± 1.676 $\chi^2/\text{NDF}: 136.7/33$

All: 2.510 ± 1.170 $\chi^2/\text{NDF}: 207.1/68$

- sign 2.308 ± 1.635 $\chi^2/\text{NDF}: 70.4/34$

diff_bpm0l10X_rms vs Slug



Right In: 8529.821+/-2.346 χ^2/NDF : 208336.1/16

Left Out: 6853.491+/-1.373 χ^2/NDF : 226275.3/16

Right Out: 7867.584+/-2.127 χ^2/NDF : 555841.7/18

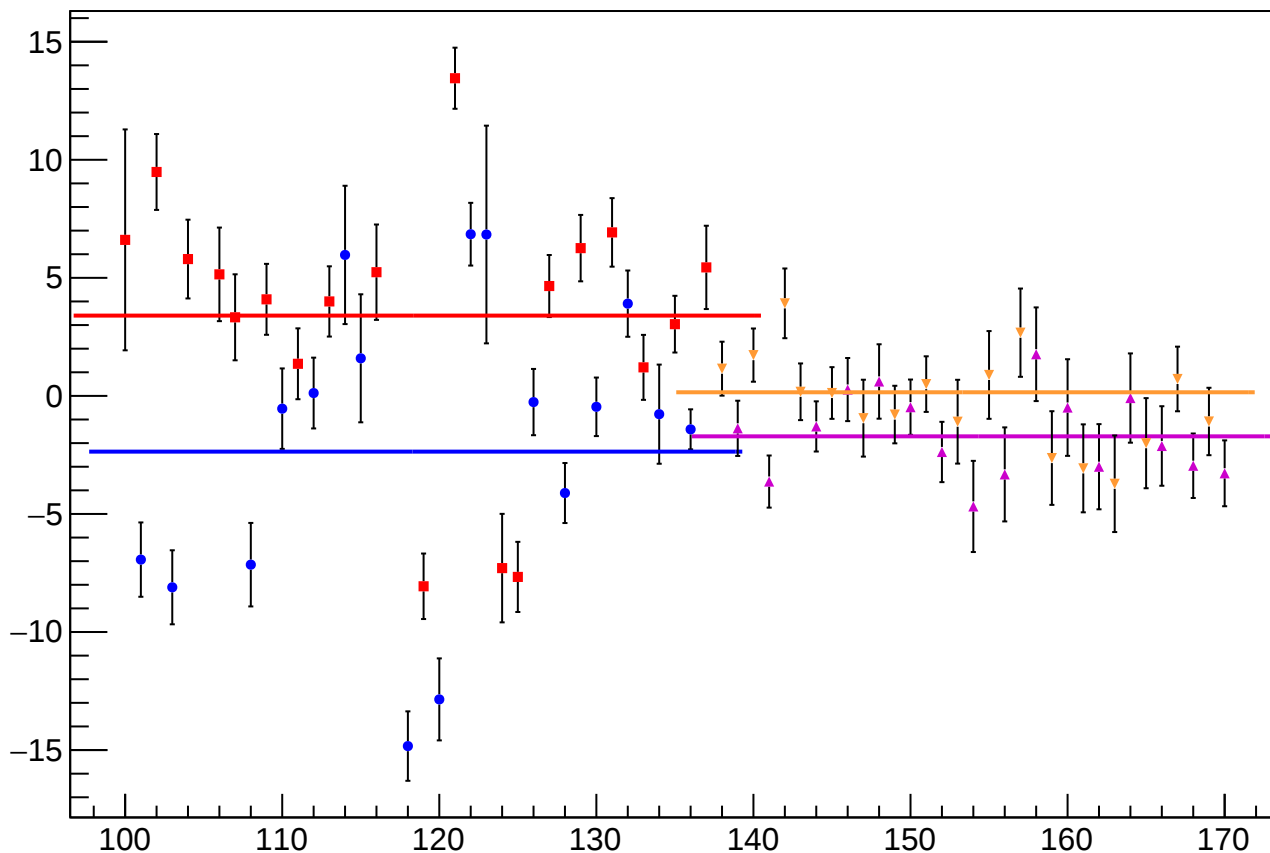
Left In: 6814.159+/-1.377 χ^2/NDF : 238285.3/15

+ sign 7280.968+/-1.185 χ^2/NDF : 814845.9/33

All: 7201.283+/-0.827 χ^2/NDF : 1790652.0/68

- sign 7125.431+/-1.156 χ^2/NDF : 966978.6/34

diff_bpm0l10Y_mean vs Slug



Right In: -2.360 ± 0.366 χ^2/NDF : 232.0/16

Left Out: 0.154 ± 0.347 χ^2/NDF : 23.6/16

Right Out: 3.401 ± 0.358 χ^2/NDF : 241.4/18

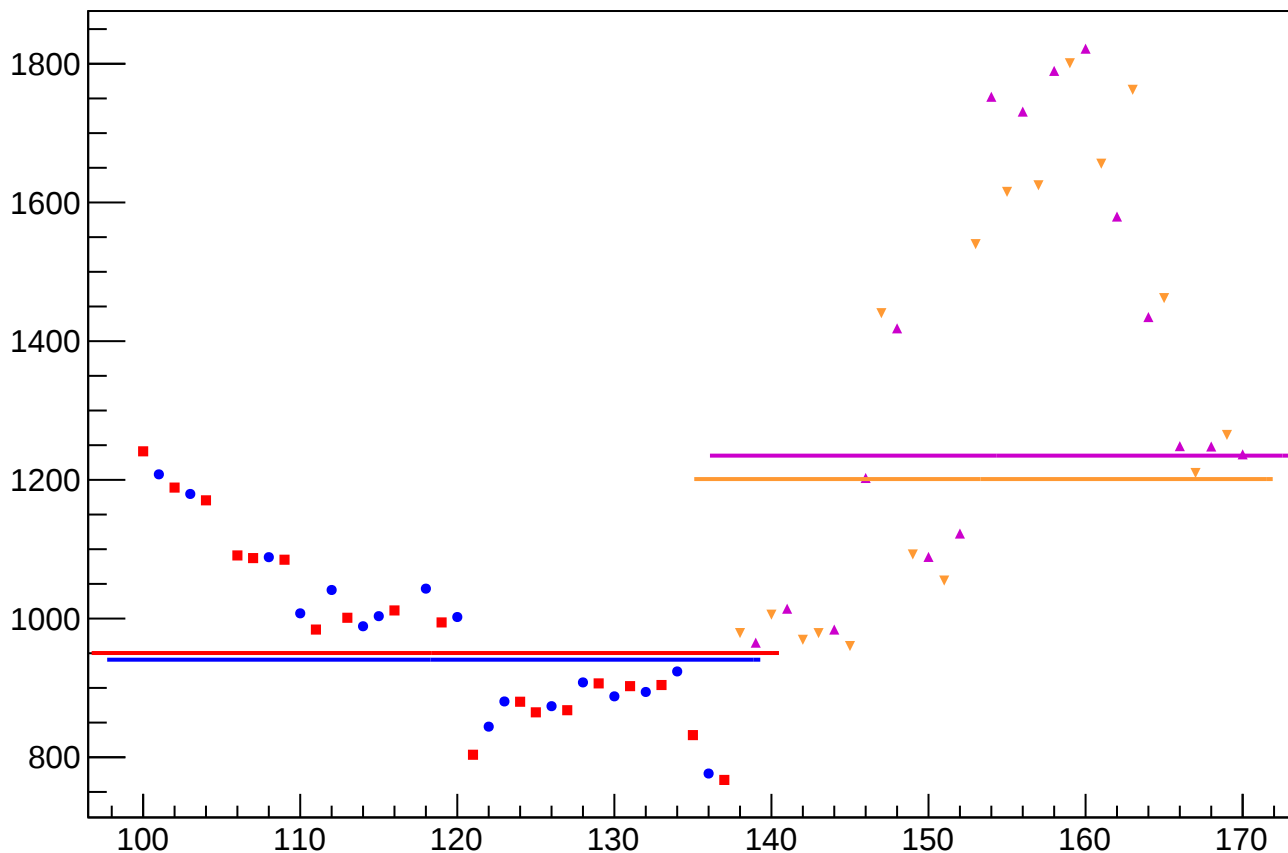
Left In: -1.713 ± 0.359 χ^2/NDF : 18.8/15

+ sign -1.039 ± 0.252 χ^2/NDF : 280.4/33

All: -0.101 ± 0.179 χ^2/NDF : 670.3/68

- sign 0.852 ± 0.254 χ^2/NDF : 361.9/34

diff_bpm0l10Y_rms vs Slug



Right In: 940.683+/-0.258 χ^2/NDF : 241768.4/16

Left Out: 1201.156+/-0.246 χ^2/NDF : 1209312.8/16

Right Out: 950.316+/-0.253 χ^2/NDF : 220678.1/18

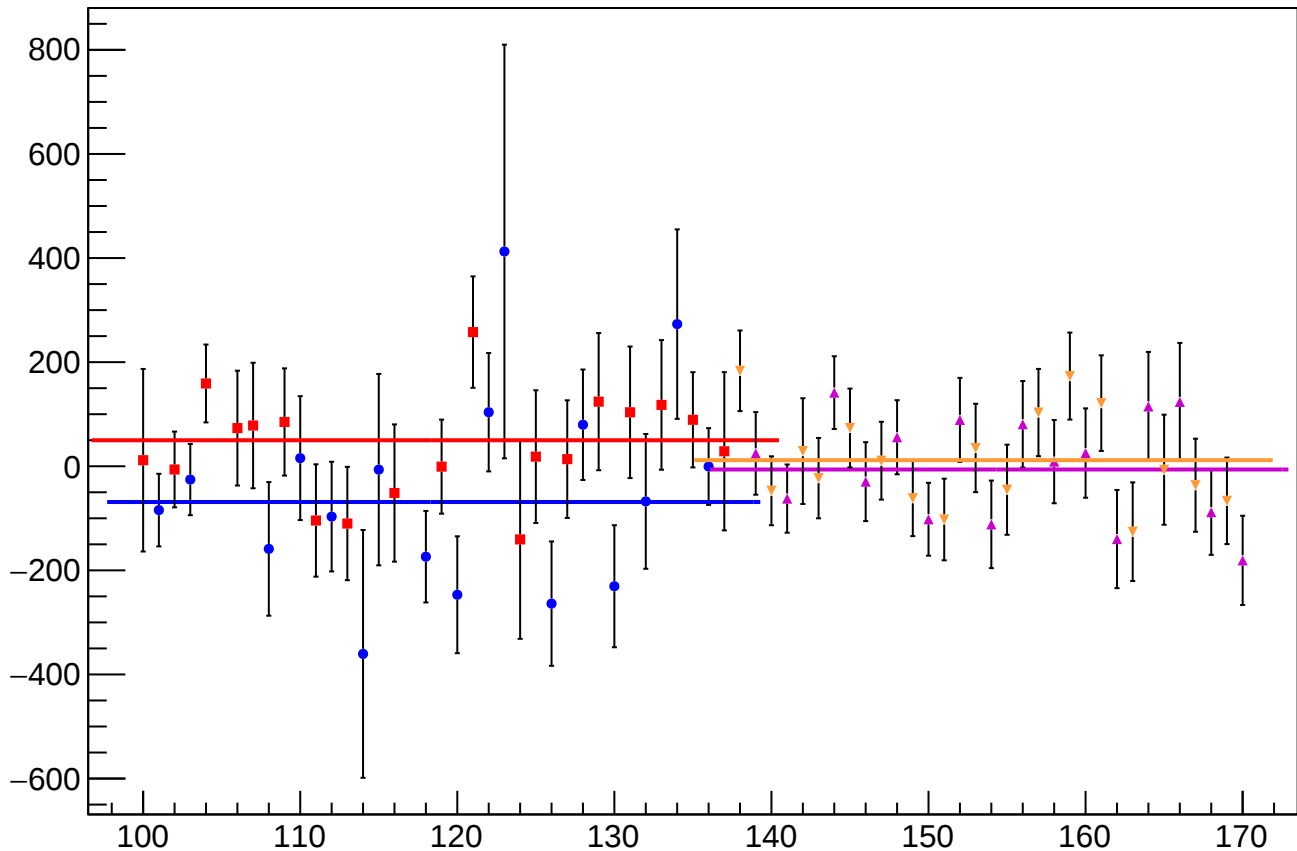
Left In: 1234.945+/-0.254 χ^2/NDF : 1056966.4/15

+ sign 1077.547+/-0.178 χ^2/NDF : 1984652.6/33

All: 1084.811+/-0.126 χ^2/NDF : 3895085.1/68

- sign 1092.183+/-0.179 χ^2/NDF : 1907079.1/34

diff_bpm0r03X_mean vs Slug



Right In: -68.688 ± 25.946 χ^2/NDF : 21.8/16

Left Out: 11.683 ± 19.955 χ^2/NDF : 19.9/16

Right Out: 49.958 ± 25.020 χ^2/NDF : 14.0/18

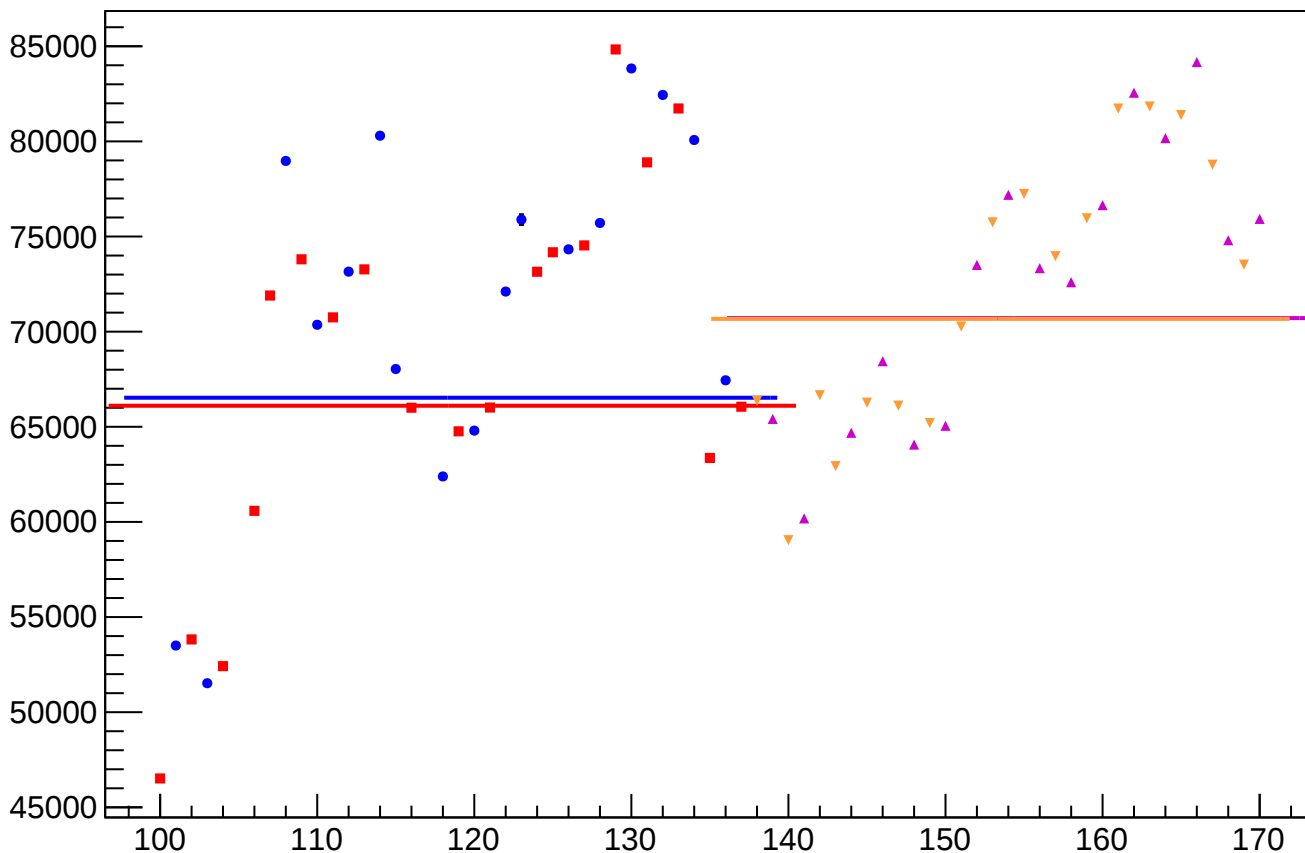
Left In: -6.251 ± 20.123 χ^2/NDF : 22.1/15

+ sign -18.189 ± 15.818 χ^2/NDF : 47.7/33

All: -1.032 ± 11.136 χ^2/NDF : 89.2/68

- sign 15.828 ± 15.681 χ^2/NDF : 39.2/34

diff_bpm0r03X_rms vs Slug



Right In: 66527.251+/-18.347 χ^2/NDF : 320887.2/16

Left Out: 70672.148+/-14.111 χ^2/NDF : 242514.9/16

Right Out: 66105.849+/-17.692 χ^2/NDF : 298485.4/18

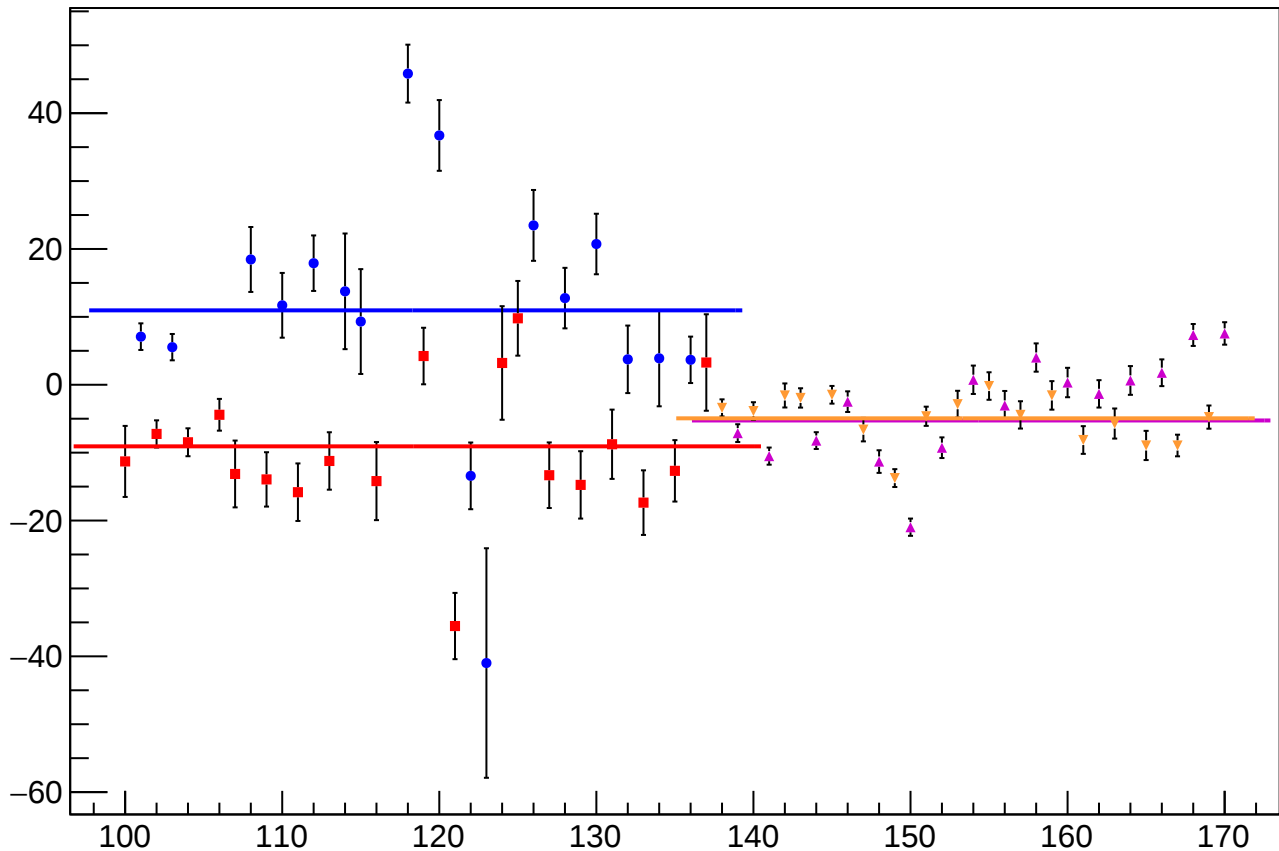
Left In: 70712.763+/-14.229 χ^2/NDF : 223040.1/15

+ sign 69131.599+/-11.185 χ^2/NDF : 595472.6/33

All: 69016.383+/-7.874 χ^2/NDF : 1158382.1/6

- sign 68903.157+/-11.088 χ^2/NDF : 562699.1/34

diff_bpm0r03Y_mean vs Slug



Right In: 10.958 ± 0.943 χ^2/NDF : 160.9/16

Left Out: -4.945 ± 0.395 χ^2/NDF : 84.7/16

Right Out: -9.072 ± 0.866 χ^2/NDF : 73.1/18

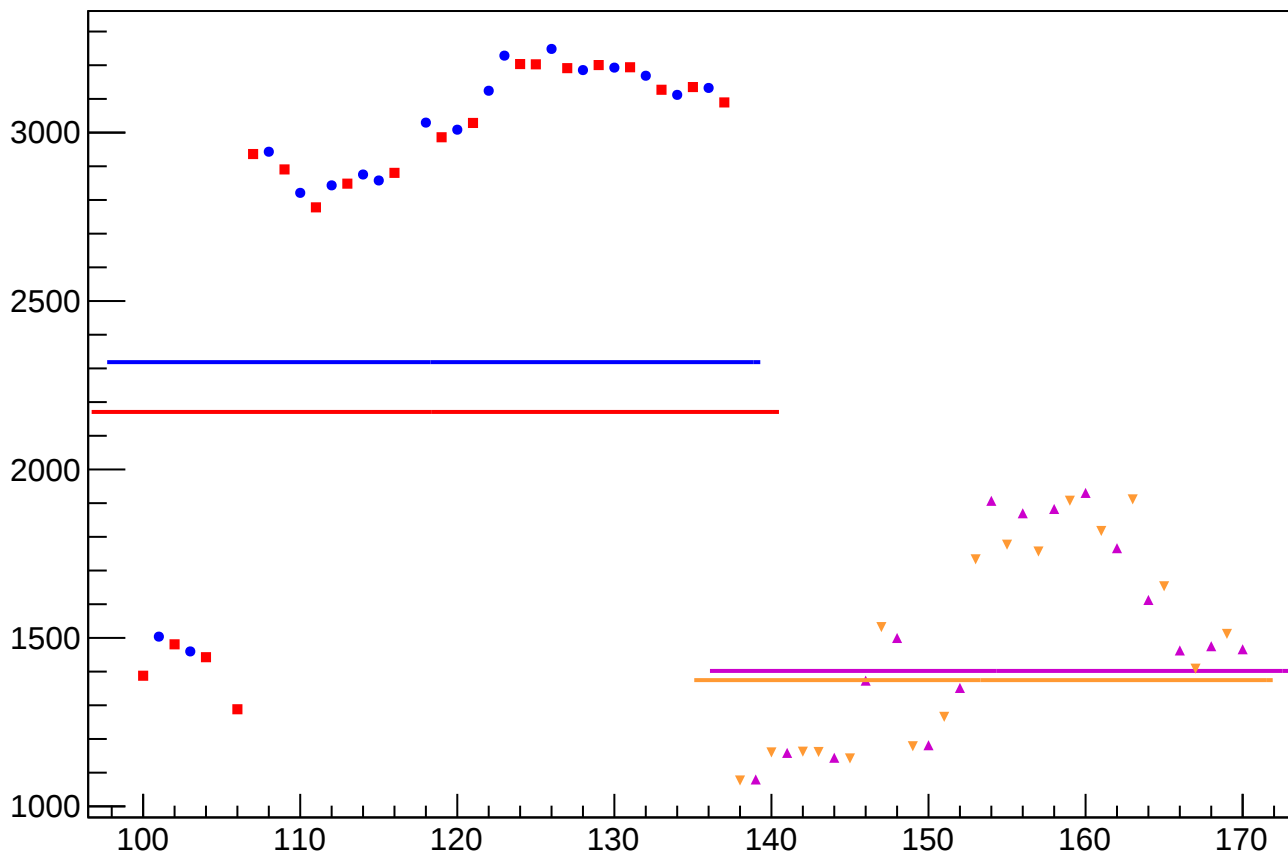
Left In: -5.259 ± 0.406 χ^2/NDF : 382.4/15

+ sign -2.571 ± 0.364 χ^2/NDF : 487.5/33

All: -4.244 ± 0.259 χ^2/NDF : 1001.4/68

- sign -5.945 ± 0.367 χ^2/NDF : 471.4/34

diff_bpm0r03Y_rms vs Slug



Right In: 2318.624+/-0.667 χ^2/NDF : 1408300.4/16

Left Out: 1374.709+/-0.279 χ^2/NDF : 981180.0/16

Right Out: 2170.786+/-0.613 χ^2/NDF : 1753687.8/18

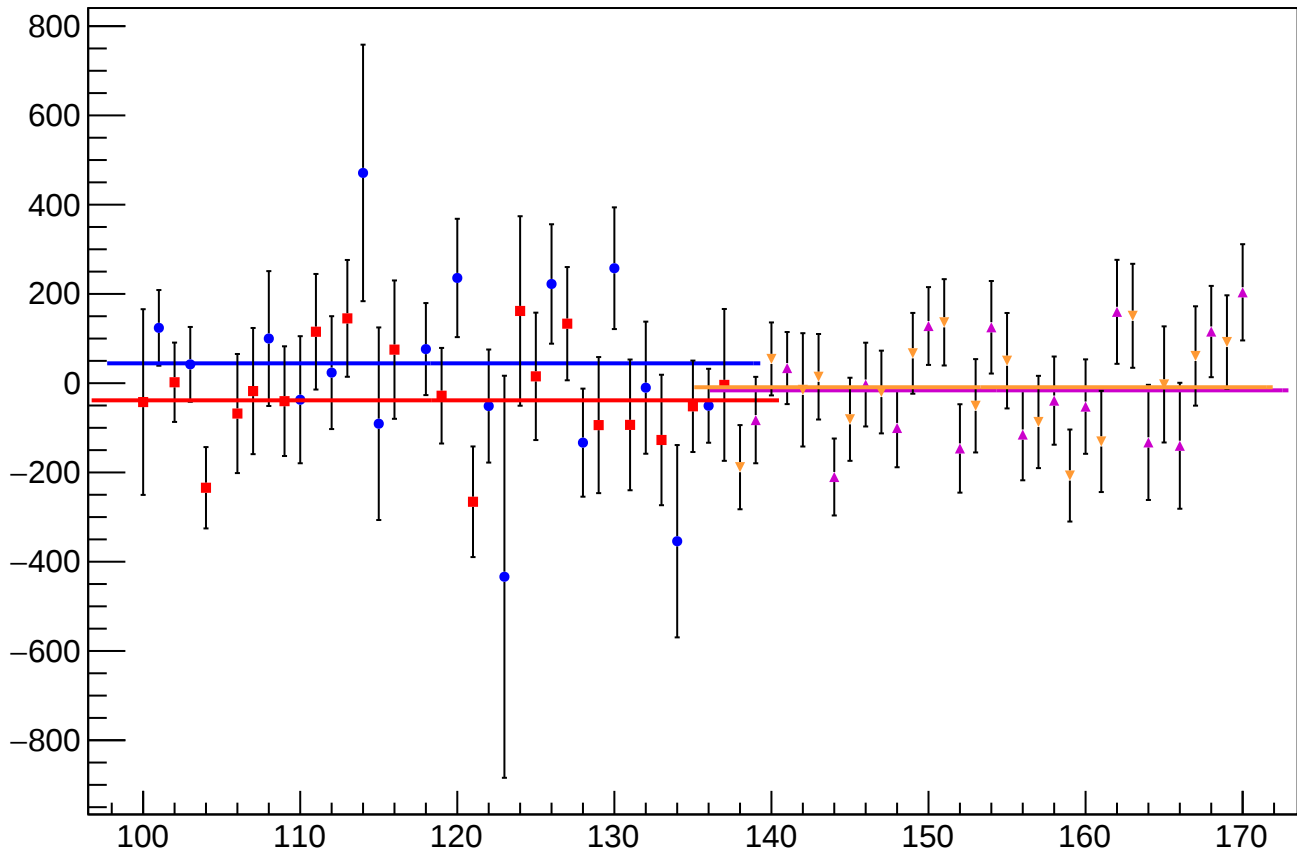
Left In: 1402.000+/-0.287 χ^2/NDF : 884700.0/15

+ sign 1515.582+/-0.258 χ^2/NDF : 4093636.3/33

All: 1527.816+/-0.183 χ^2/NDF : 8028280.4/68

- sign 1540.252+/-0.260 χ^2/NDF : 3930097.9/34

diff_bpm0r05X_mean vs Slug



Right In: 44.484 ± 30.432 χ^2/NDF : 19.1/16

Left Out: -9.101 ± 24.671 χ^2/NDF : 16.9/16

Right Out: -38.425 ± 29.435 χ^2/NDF : 15.7/18

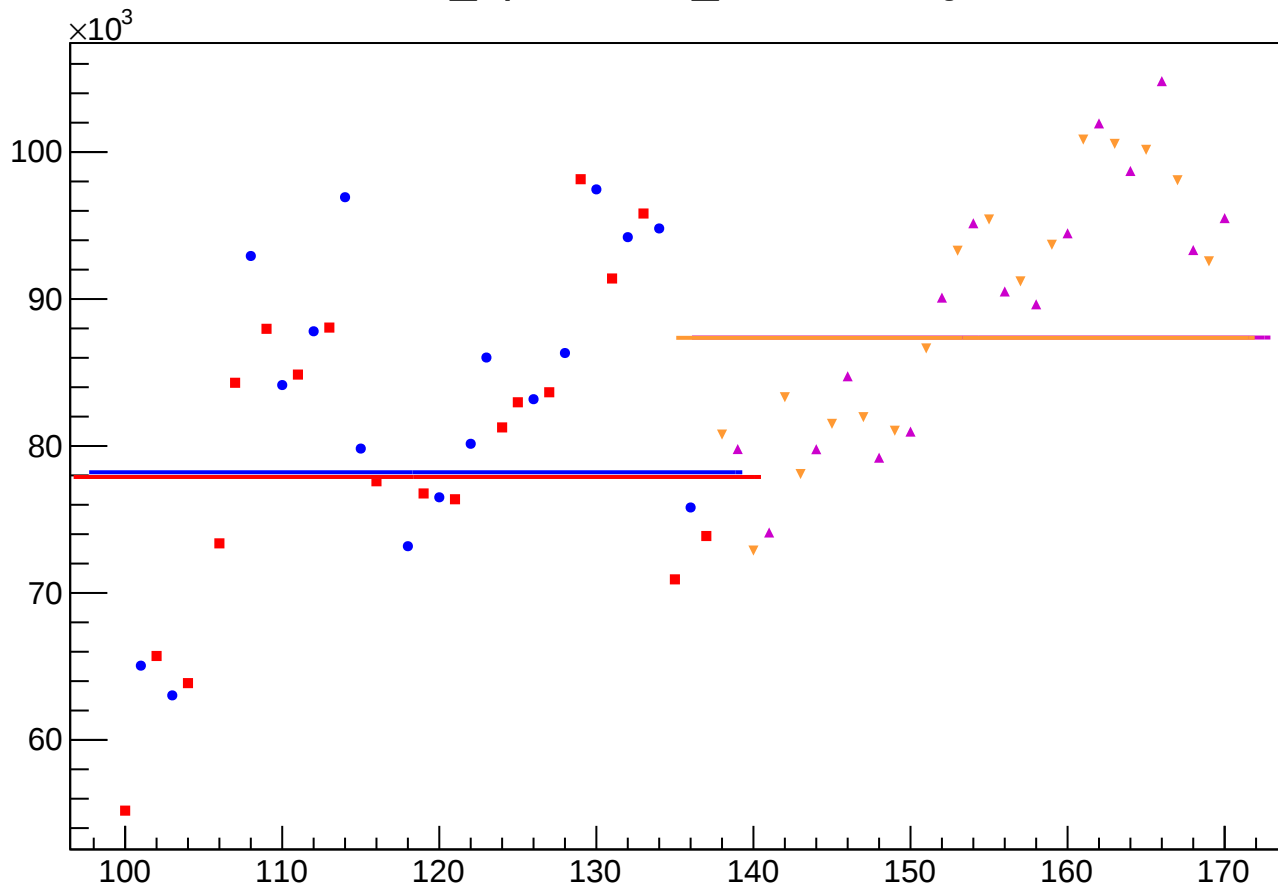
Left In: -16.020 ± 24.874 χ^2/NDF : 24.0/15

+ sign 12.150 ± 19.164 χ^2/NDF : 37.9/33

All: -6.765 ± 13.492 χ^2/NDF : 79.9/68

- sign -25.354 ± 18.999 χ^2/NDF : 40.1/34

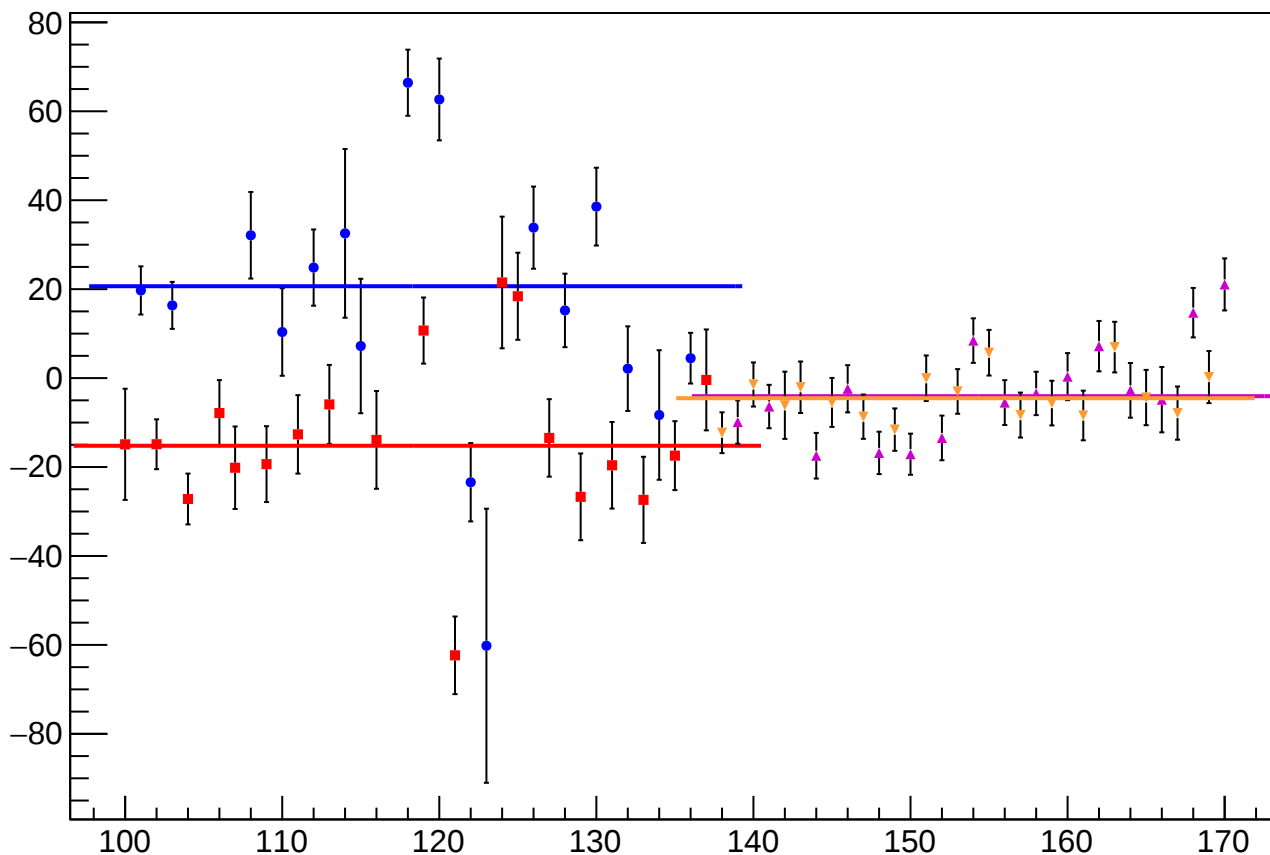
diff_bpm0r05X_rms vs Slug



Right In: 78213.025 $\pm$ 21.519 χ^2 /NDF: 251056.7/16
 Left Out: 87360.826 $\pm$ 17.445 χ^2 /NDF: 242684.4/16
 Right Out: 77891.938 $\pm$ 20.814 χ^2 /NDF: 246970.2/18
 Left In: 87380.535 $\pm$ 17.589 χ^2 /NDF: 231477.3/15

+ sign 83732.981 $\pm$ 13.551 χ^2 /NDF: 602791.6/33
 All: 83578.904 $\pm$ 9.541 χ^2 /NDF: 1202740.3/6
 - sign 83427.474 $\pm$ 13.434 χ^2 /NDF: 599692.3/34

diff_bpm0r05Y_mean vs Slug



Right In: 20.657 ± 2.036 χ^2/NDF : 117.7/16

Left Out: -4.522 ± 1.298 χ^2/NDF : 17.4/16

Right Out: -15.216 ± 1.955 χ^2/NDF : 71.3/18

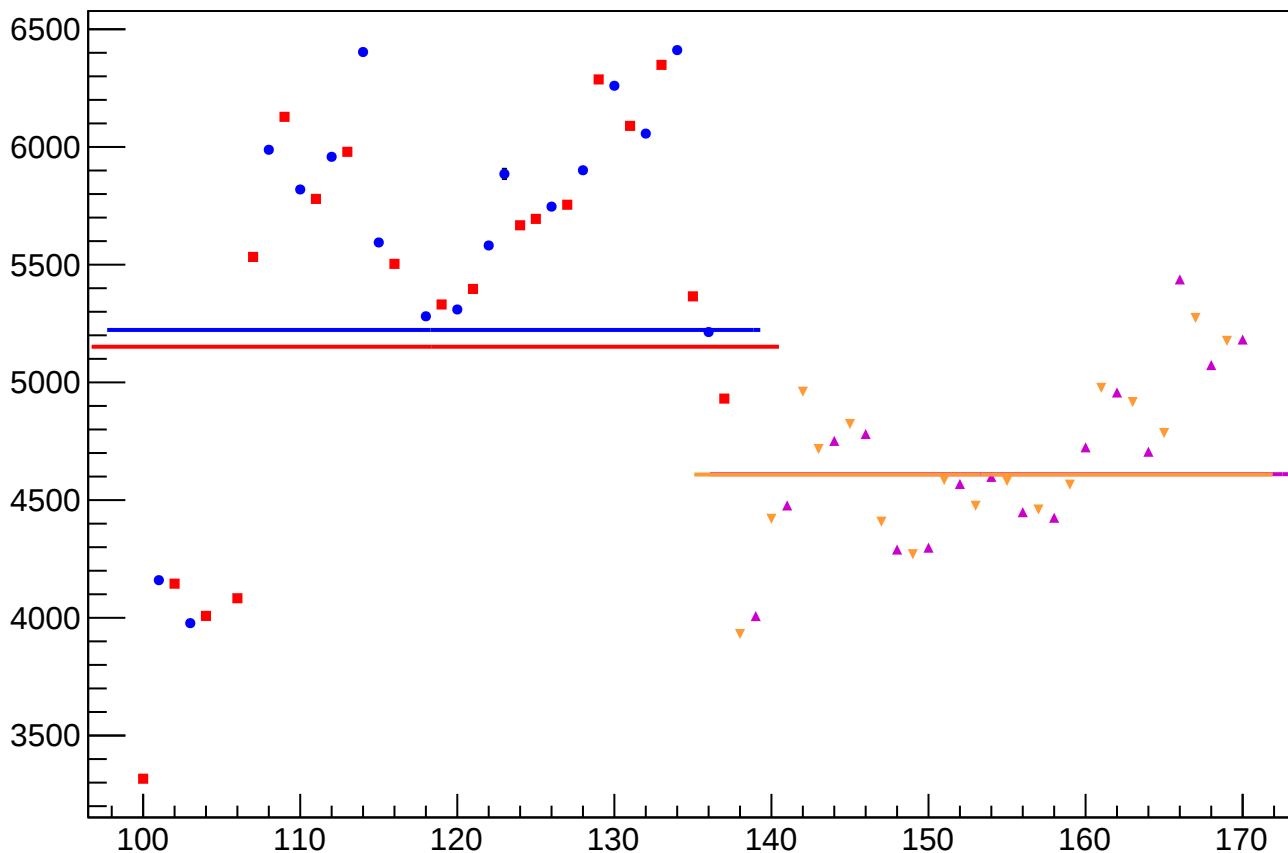
Left In: -4.066 ± 1.310 χ^2/NDF : 68.1/15

+ sign 2.758 ± 1.095 χ^2/NDF : 243.8/33

All: -2.413 ± 0.772 χ^2/NDF : 450.0/68

- sign -7.521 ± 1.088 χ^2/NDF : 161.8/34

diff_bpm0r05Y_rms vs Slug



Right In: 5222.767+/-1.440 χ^2/NDF : 312497.9/16

Left Out: 4608.593+/-0.918 χ^2/NDF : 130919.3/16

Right Out: 5151.532+/-1.382 χ^2/NDF : 387685.6/18

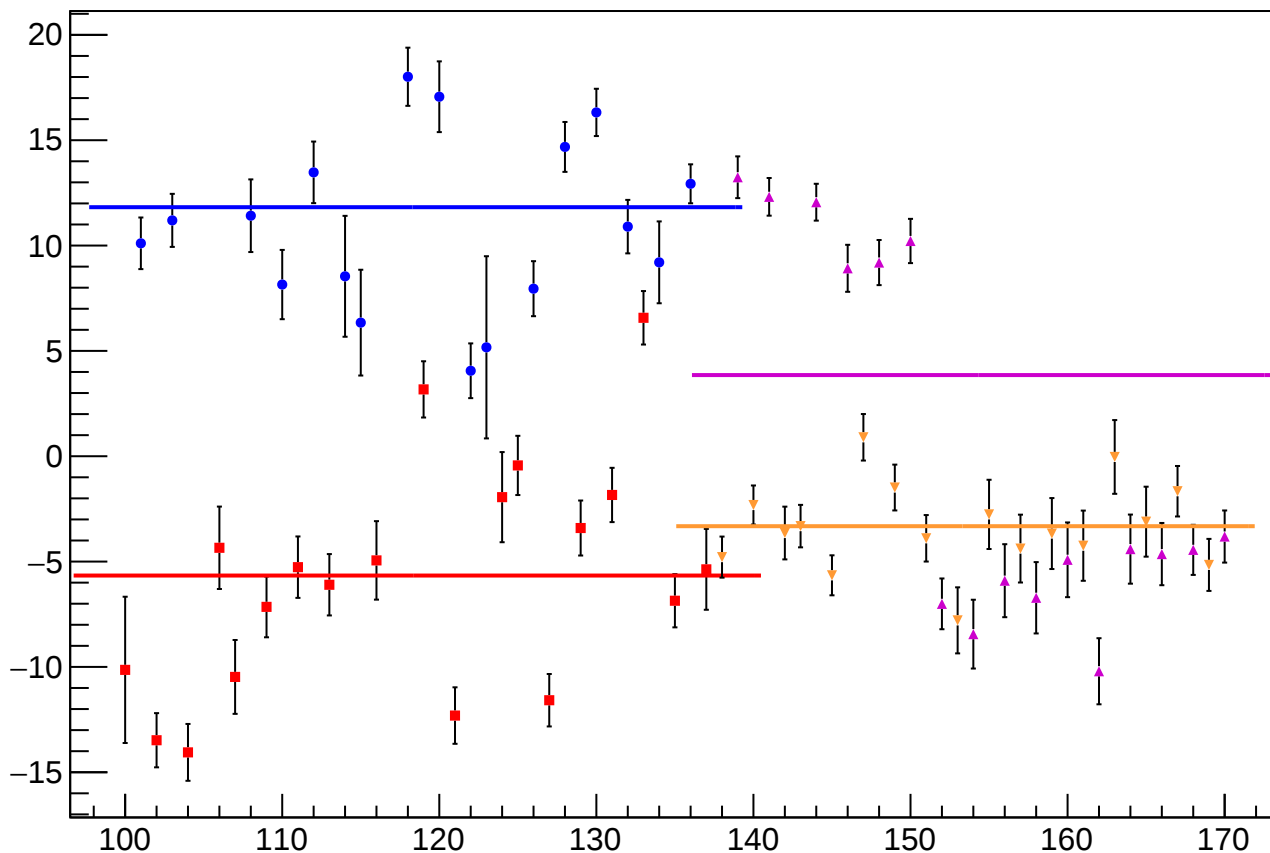
Left In: 4610.107+/-0.926 χ^2/NDF : 126219.2/15

+ sign 4786.163+/-0.774 χ^2/NDF : 572808.6/33

All: 4782.006+/-0.546 χ^2/NDF : 1192659.7/68

- sign 4777.897+/-0.769 χ^2/NDF : 619793.8/34

diff_bpm2i01X_mean vs Slug



Right In: 11.821 $\pm$ 0.344 χ^2 /NDF: 117.0/16

Left Out: -3.321 $\pm$ 0.297 χ^2 /NDF: 44.0/16

Right Out: -5.663 $\pm$ 0.338 χ^2 /NDF: 300.1/18

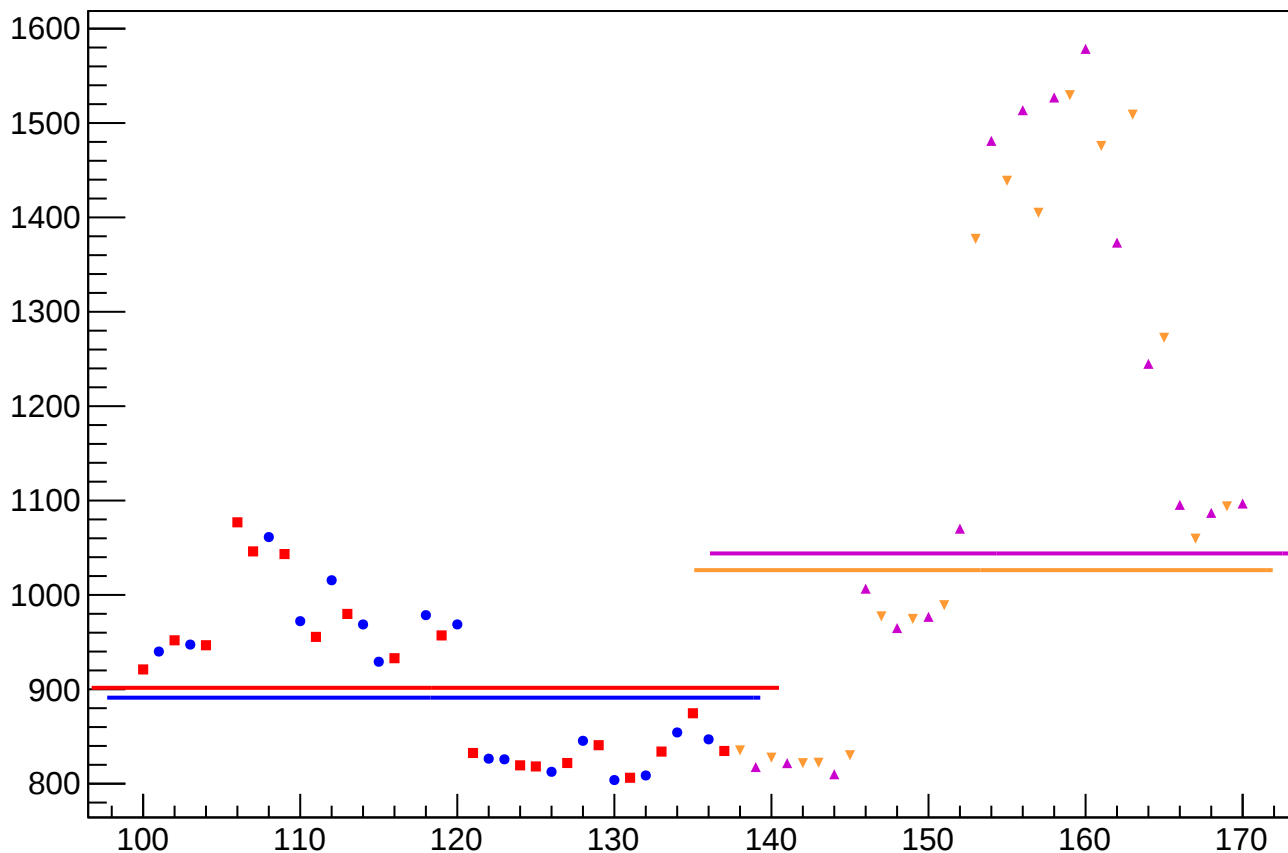
Left In: 3.852 $\pm$ 0.304 χ^2 /NDF: 808.6/15

+ sign 3.130 $\pm$ 0.225 χ^2 /NDF: 1269.8/33

All: 1.377 $\pm$ 0.159 χ^2 /NDF: 2938.3/68

- sign -0.396 $\pm$ 0.226 χ^2 /NDF: 1546.2/34

diff_bpm2i01X_rms vs Slug



Right In: 891.149 $\pm$ 0.244 χ^2 /NDF: 101659.1/16

Left Out: 1026.263 $\pm$ 0.210 χ^2 /NDF:1264716.1/16

Right Out: 901.588 $\pm$ 0.239 χ^2 /NDF: 114590.8/18

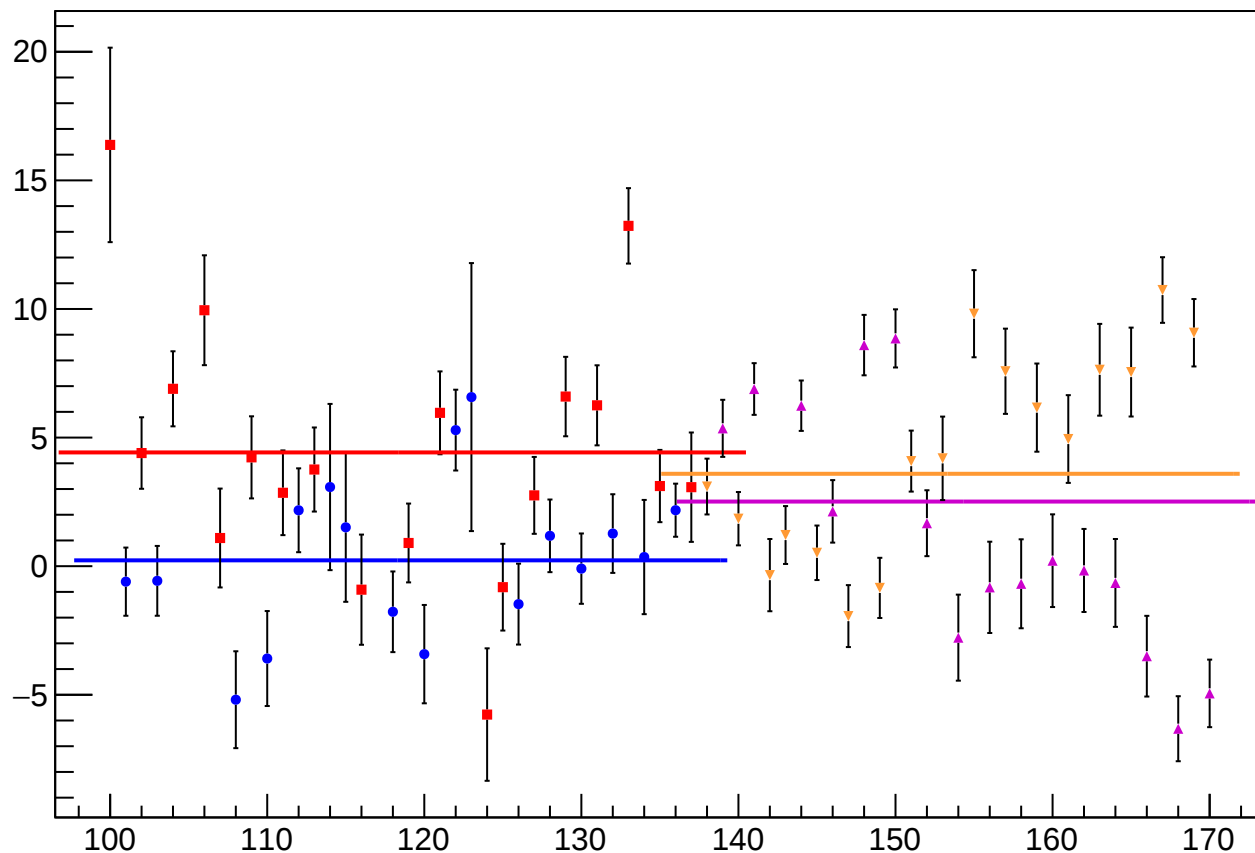
Left In: 1043.974 $\pm$ 0.215 χ^2 /NDF:1155105.6/15

+ sign 968.699 $\pm$ 0.159 χ^2 /NDF: 1542955.1/33

All: 974.515 $\pm$ 0.113 χ^2 /NDF: 3011249.9/68

- sign 980.398 $\pm$ 0.160 χ^2 /NDF: 1465603.6/34

diff_bpm2i01Y_mean vs Slug



Right In: 0.227 ± 0.395 χ^2/NDF : 38.5/16

Left Out: 3.592 ± 0.321 χ^2/NDF : 141.0/16

Right Out: 4.423 ± 0.387 χ^2/NDF : 103.3/18

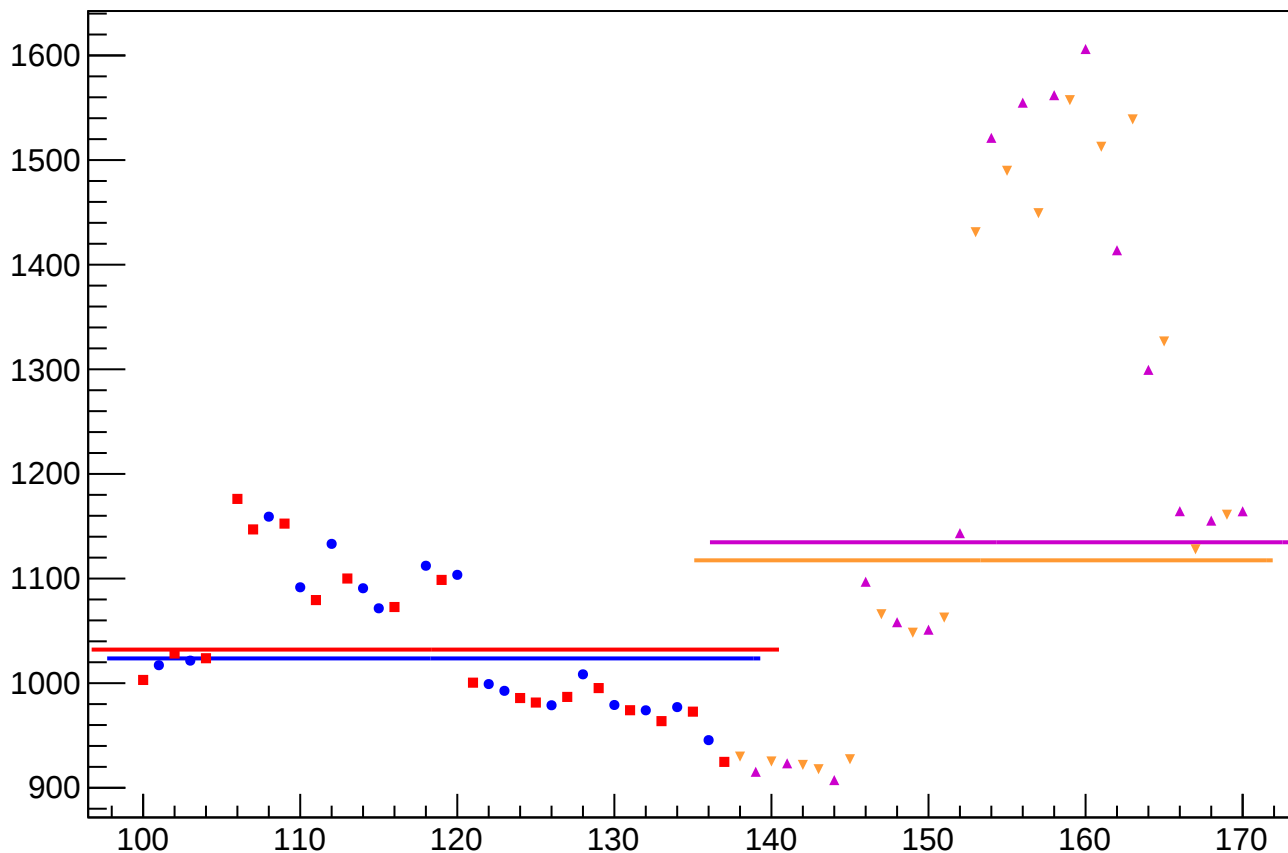
Left In: 2.512 ± 0.328 χ^2/NDF : 219.4/15

+ sign 2.255 ± 0.249 χ^2/NDF : 223.3/33

All: 2.781 ± 0.176 χ^2/NDF : 569.2/68

- sign 3.312 ± 0.250 χ^2/NDF : 336.9/34

diff_bpm2i01Y_rms vs Slug



Right In: 1023.655+/-0.279 χ^2/NDF : 52373.8/16

Left Out: 1117.421+/-0.227 χ^2/NDF : 943531.8/16

Right Out: 1032.107+/-0.273 χ^2/NDF : 59391.6/18

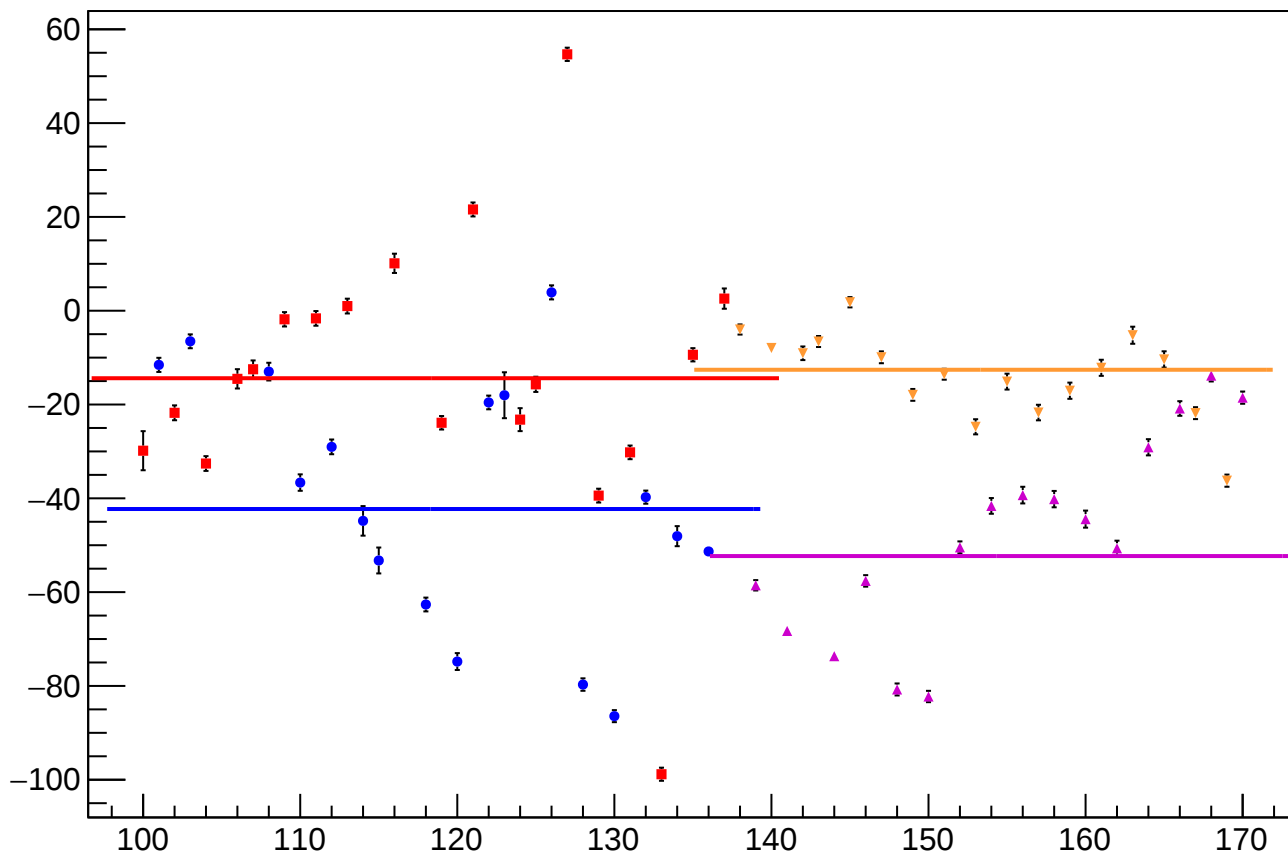
Left In: 1134.678+/-0.232 χ^2/NDF : 854322.5/15

+ sign 1080.164+/-0.176 χ^2/NDF : 1063831.2/33

All: 1085.936+/-0.125 χ^2/NDF : 2061535.1/68

- sign 1091.762+/-0.177 χ^2/NDF : 995544.1/34

diff_bpm2i02X_mean vs Slug



Right In: -42.278 ± 0.387 χ^2/NDF : 5126.8/16

Left Out: -12.587 ± 0.327 χ^2/NDF : 807.1/16

Right Out: -14.393 ± 0.378 χ^2/NDF : 7669.8/18

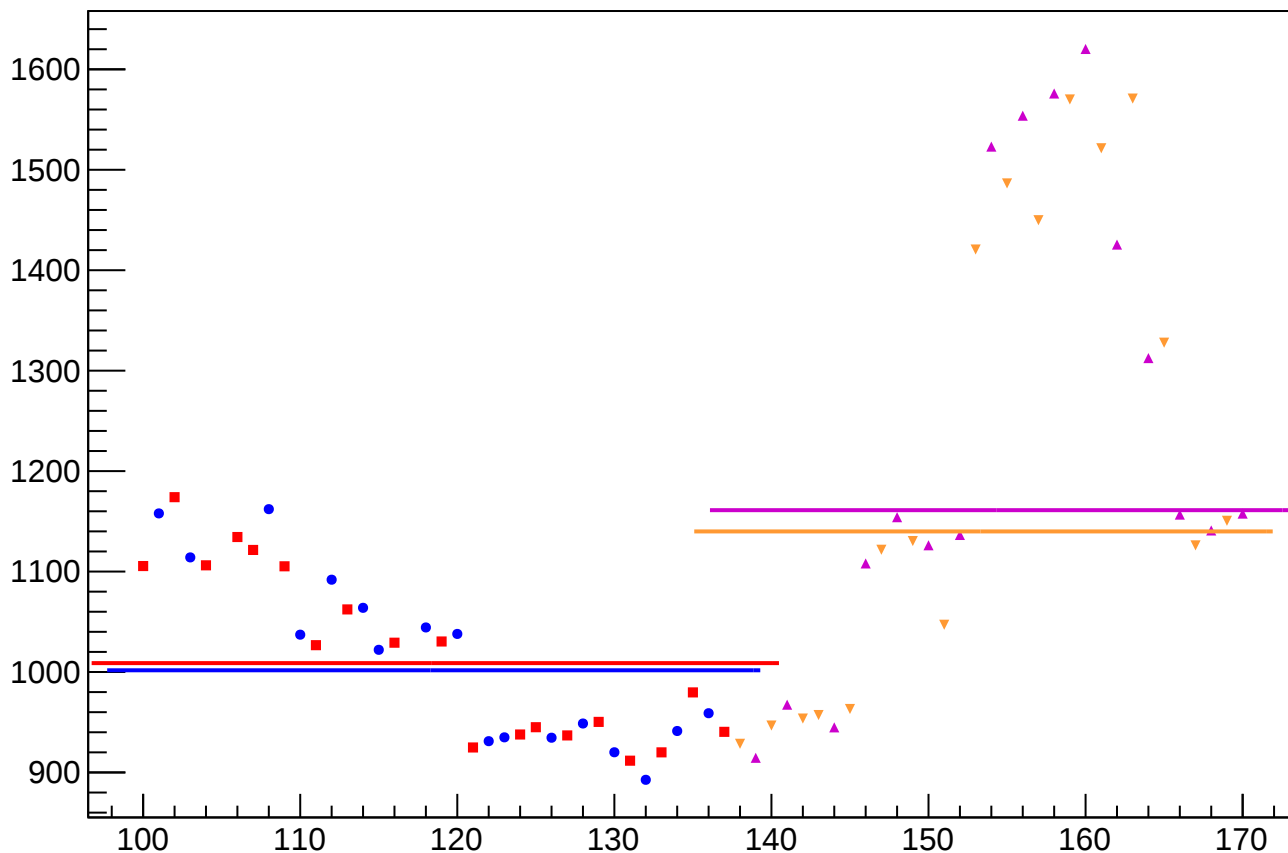
Left In: -52.309 ± 0.335 χ^2/NDF : 4193.8/15

+ sign -24.939 ± 0.250 χ^2/NDF : 9369.2/33

All: -30.266 ± 0.177 χ^2/NDF : 27773.6/68

- sign -35.646 ± 0.251 χ^2/NDF : 17489.4/34

diff_bpm2i02X_rms vs Slug



Right In: 1001.706+/-0.274 χ^2/NDF : 95480.0/16

Left Out: 1139.953+/-0.231 χ^2/NDF : 861341.7/16

Right Out: 1008.848+/-0.268 χ^2/NDF : 95349.9/18

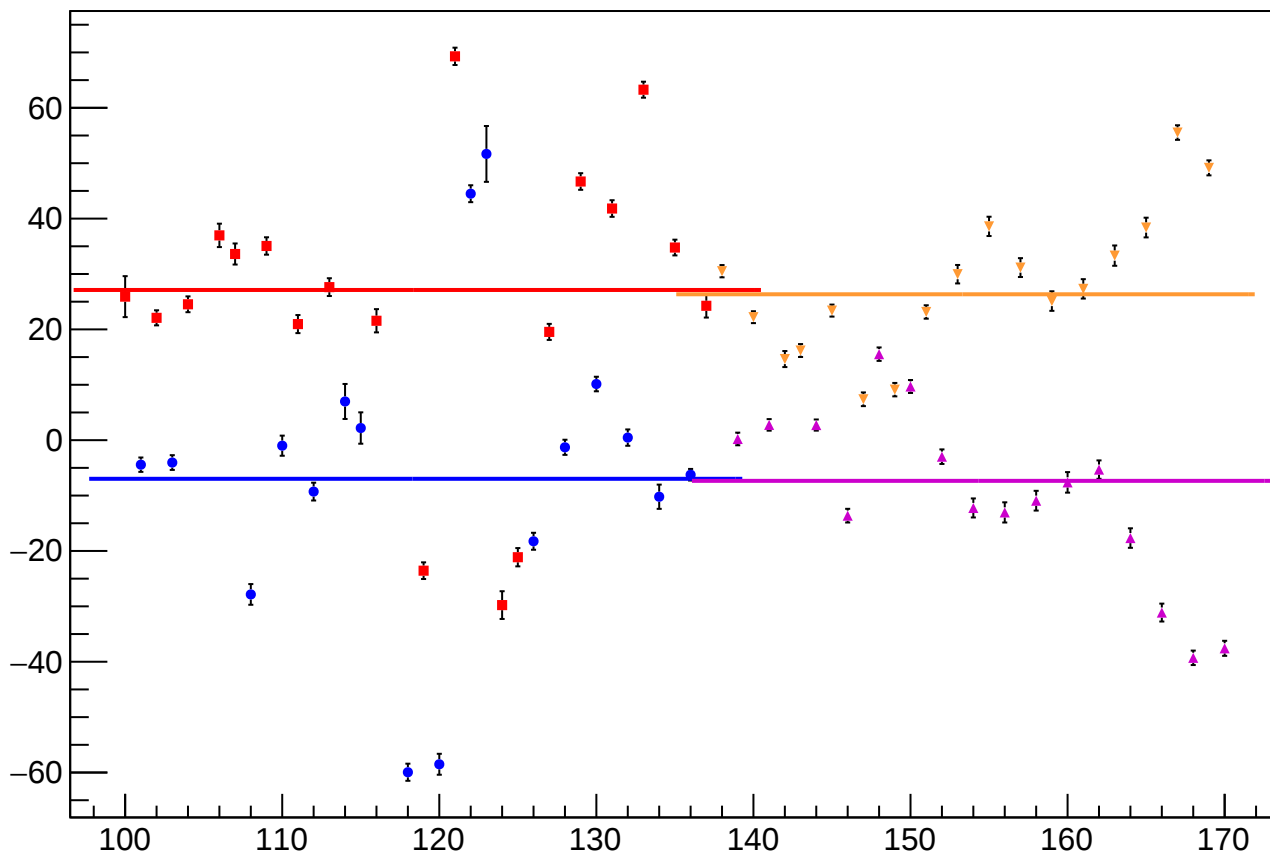
Left In: 1161.116+/-0.237 χ^2/NDF : 762748.0/15

+ sign 1082.443+/-0.177 χ^2/NDF : 1105776.2/33

All: 1088.291+/-0.125 χ^2/NDF : 2147542.5/68

- sign 1094.196+/-0.177 χ^2/NDF : 1039561.4/34

diff_bpm2i02Y_mean vs Slug



Right In: -6.974 ± 0.388 χ^2/NDF : 3636.9/16

Left Out: 26.338 ± 0.330 χ^2/NDF : 1520.0/16

Right Out: 27.116 ± 0.380 χ^2/NDF : 4283.5/18

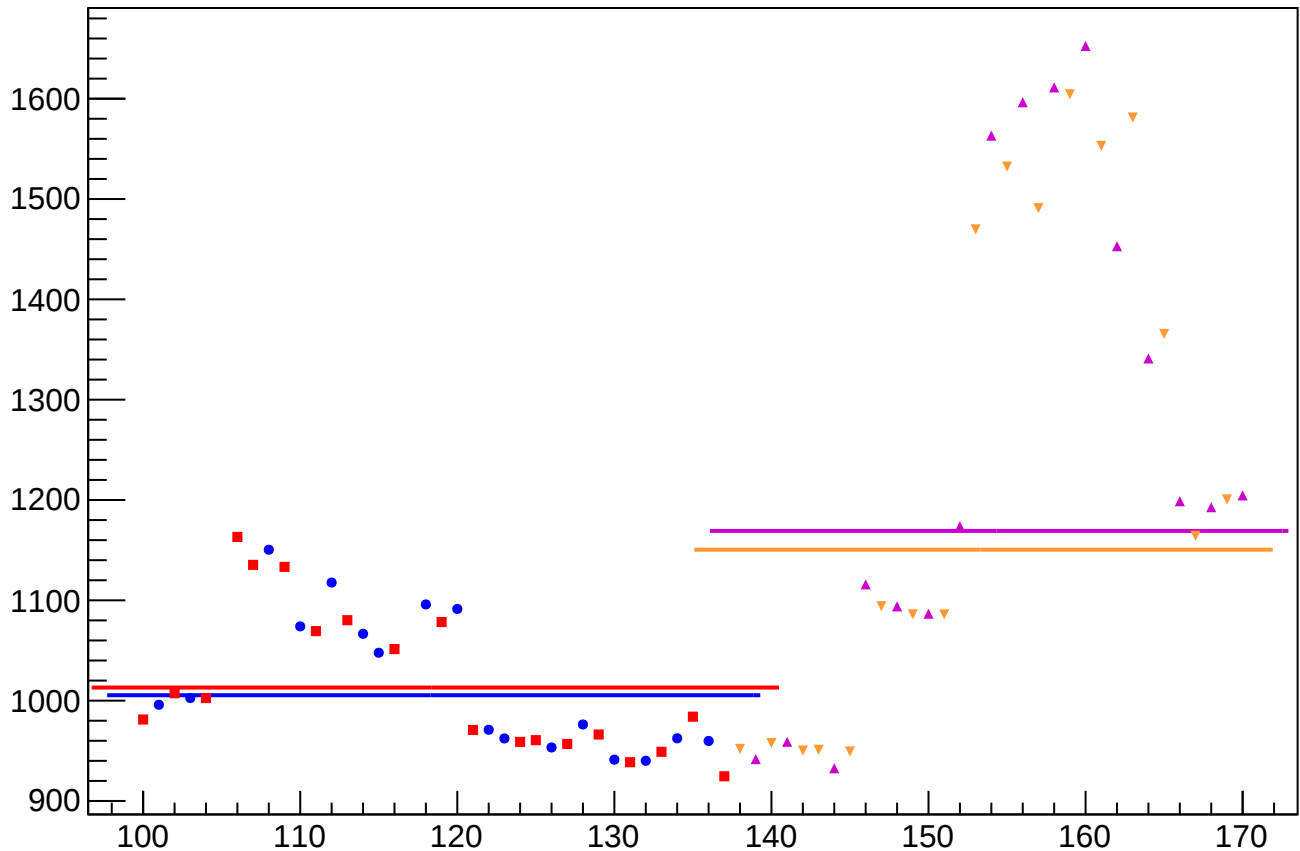
Left In: -7.345 ± 0.338 χ^2/NDF : 2211.0/15

+ sign 12.347 ± 0.251 χ^2/NDF : 9433.1/33

All: 10.126 ± 0.178 χ^2/NDF : 20682.6/68

- sign 7.889 ± 0.252 χ^2/NDF : 11092.8/34

diff_bpm2i02Y_rms vs Slug



Right In: 1005.409+/-0.274 χ^2/NDF : 54586.0/16

Left Out: 1150.466+/-0.233 χ^2/NDF : 939361.7/16

Right Out: 1013.064+/-0.268 χ^2/NDF : 63265.7/18

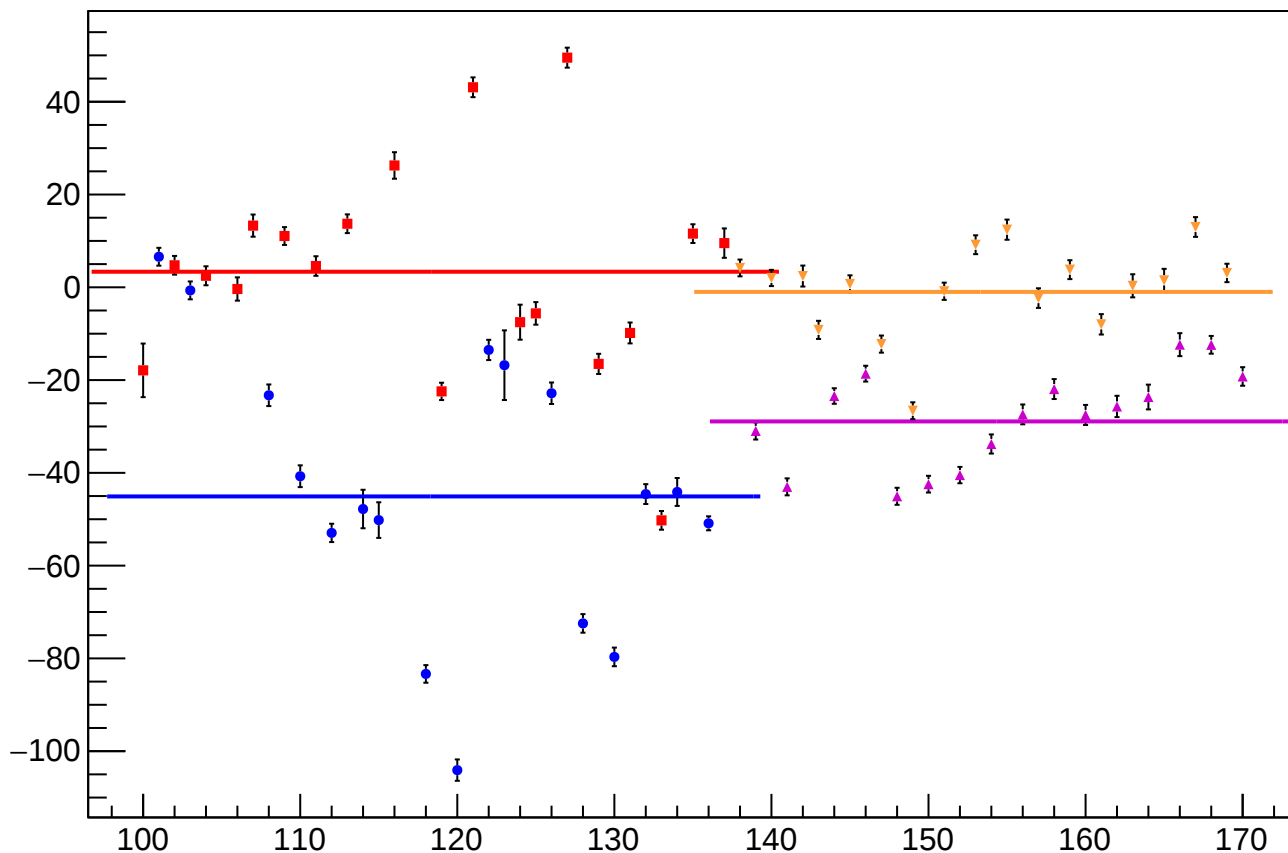
Left In: 1169.174+/-0.239 χ^2/NDF : 846646.7/15

+ sign 1089.540+/-0.178 χ^2/NDF : 1156115.1/33

All: 1094.832+/-0.126 χ^2/NDF : 2256537.1/68

- sign 1100.163+/-0.178 χ^2/NDF : 1098643.7/34

diff_bpm0i02X_mean vs Slug



Right In: -45.081 ± 0.540 χ^2/NDF : 3238.1/16

Left Out: -0.993 ± 0.489 χ^2/NDF : 396.1/16

Right Out: 3.358 ± 0.522 χ^2/NDF : 2005.7/18

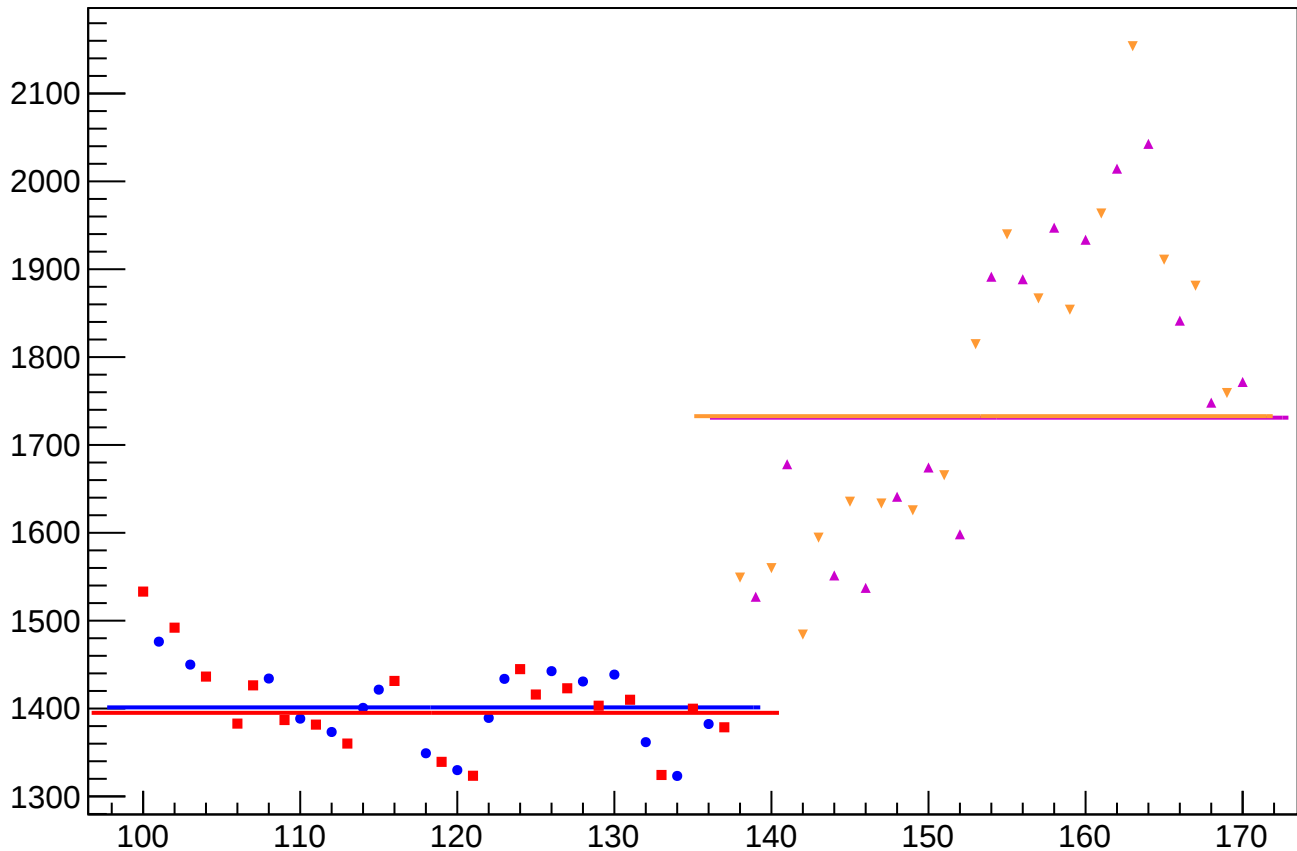
Left In: -28.914 ± 0.493 χ^2/NDF : 450.2/15

+ sign -20.859 ± 0.362 χ^2/NDF : 7300.5/33

All: -17.240 ± 0.255 χ^2/NDF : 11975.6/68

- sign -13.701 ± 0.358 χ^2/NDF : 4477.8/34

diff_bpm0i02X_rms vs Slug



Right In: 1401.307+/-0.382 χ^2/NDF : 12852.1/16

Left Out: 1732.761+/-0.346 χ^2/NDF : 231193.1/16

Right Out: 1395.105+/-0.369 χ^2/NDF : 15520.0/18

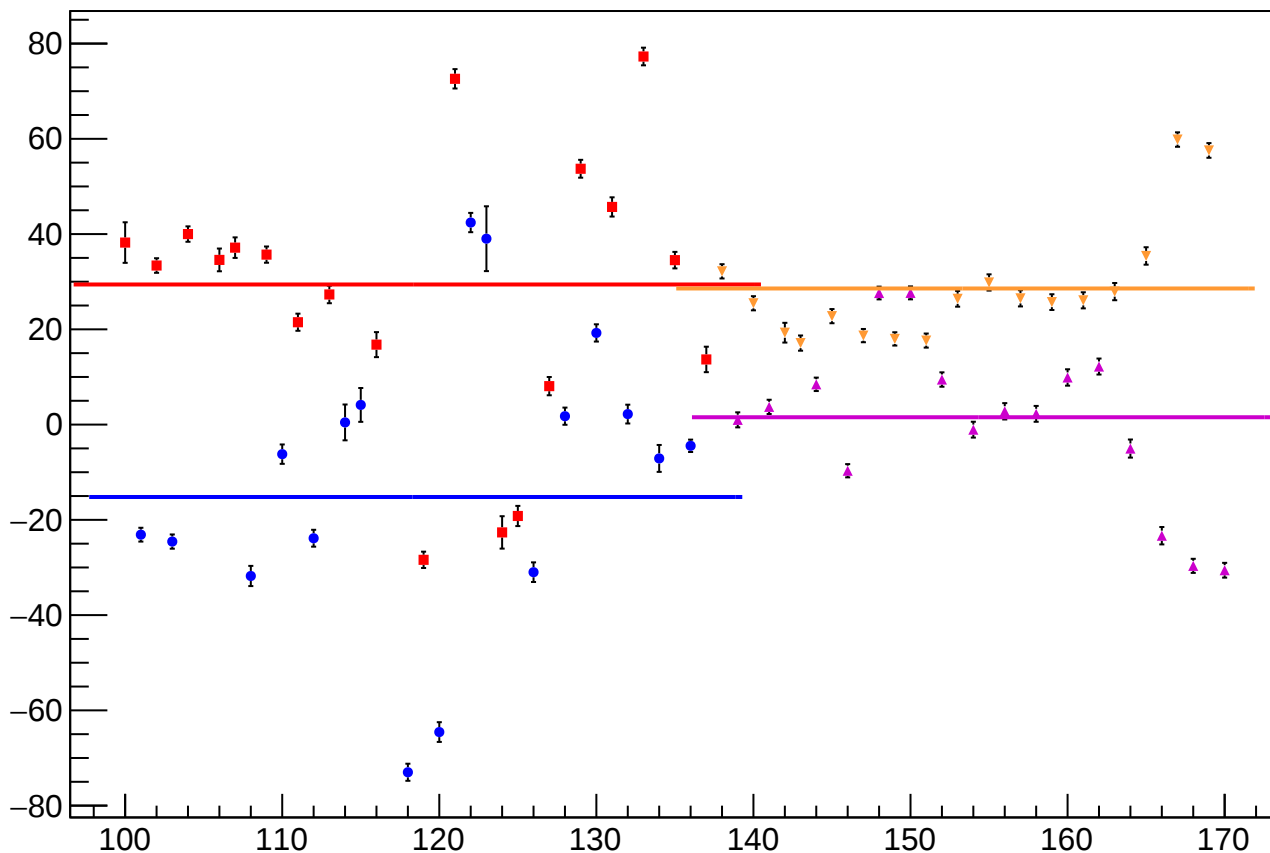
Left In: 1731.044+/-0.348 χ^2/NDF : 216203.9/15

+ sign 1583.411+/-0.256 χ^2/NDF : 658498.0/33

All: 1577.986+/-0.180 χ^2/NDF : 1329279.6/68

- sign 1572.681+/-0.253 χ^2/NDF : 669894.8/34

diff_bpm0i02Y_mean vs Slug



Right In: -15.202 ± 0.472 χ^2/NDF : 3362.5/16

Left Out: 28.578 ± 0.387 χ^2/NDF : 1060.1/16

Right Out: 29.418 ± 0.456 χ^2/NDF : 3544.8/18

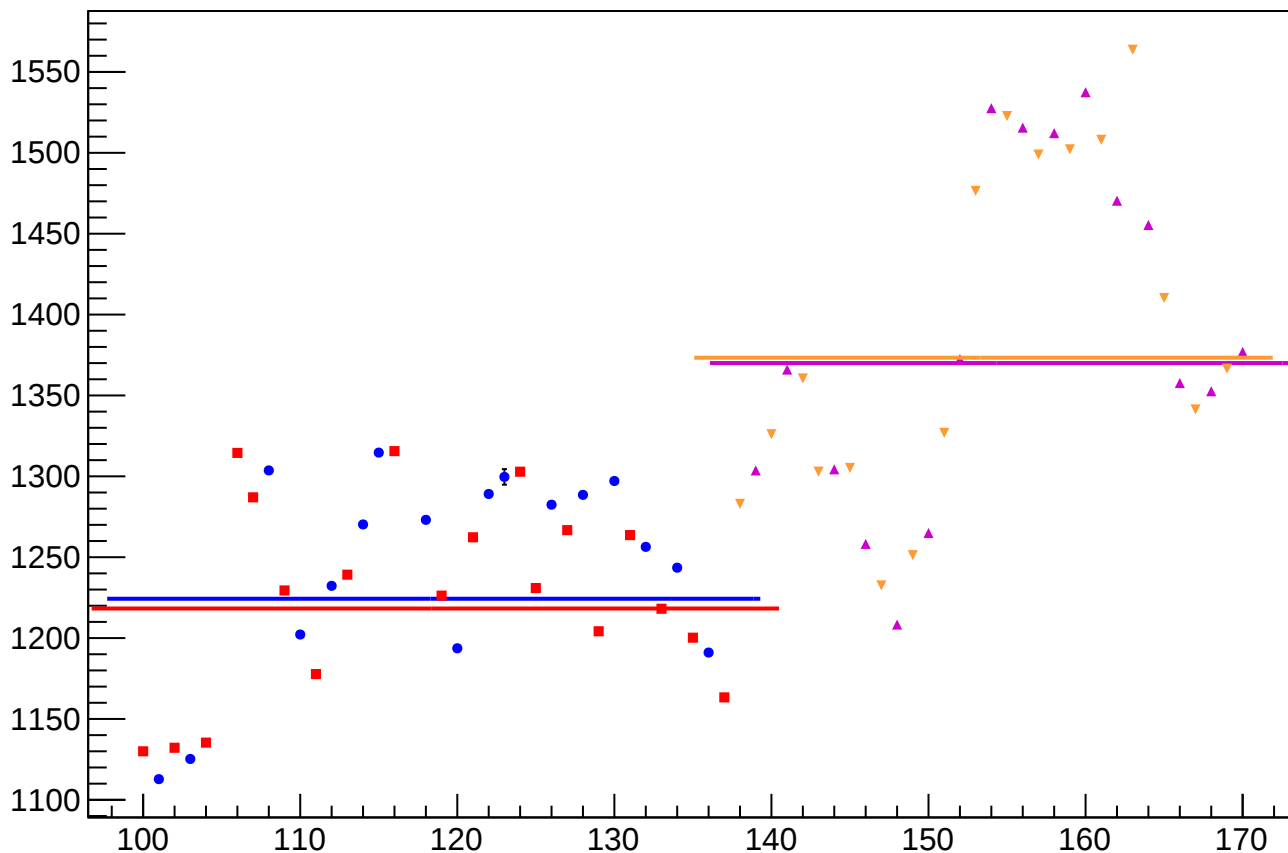
Left In: 1.543 ± 0.389 χ^2/NDF : 2002.7/15

+ sign 11.004 ± 0.299 χ^2/NDF : 9569.7/33

All: 12.155 ± 0.210 χ^2/NDF : 17307.7/68

- sign 13.283 ± 0.296 χ^2/NDF : 7708.6/34

diff_bpm0i02Y_rms vs Slug



Right In: 1224.320+/-0.334 χ^2/NDF : 38778.2/16

Left Out: 1373.328+/-0.273 χ^2/NDF : 137962.8/16

Right Out: 1218.276+/-0.323 χ^2/NDF : 27572.9/18

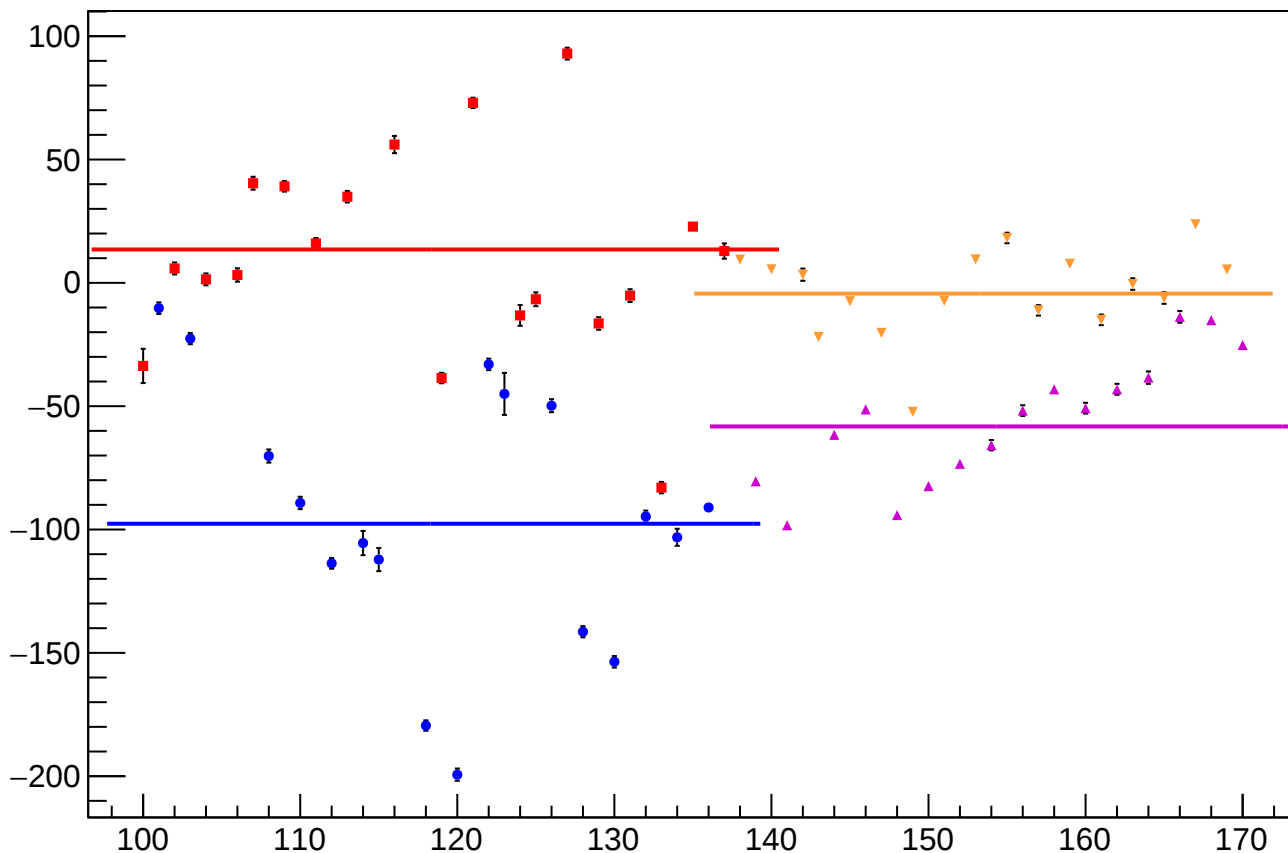
Left In: 1370.033+/-0.275 χ^2/NDF : 139208.0/15

+ sign 1313.514+/-0.212 χ^2/NDF : 295997.0/33

All: 1309.778+/-0.149 χ^2/NDF : 591509.3/68

- sign 1306.119+/-0.209 χ^2/NDF : 294894.9/34

diff_bpm0i02aX_mean vs Slug



Right In: -97.657 ± 0.601 χ^2/NDF : 7936.6/16

Left Out: -4.353 ± 0.487 χ^2/NDF : 1396.4/16

Right Out: 13.538 ± 0.579 χ^2/NDF : 5128.2/18

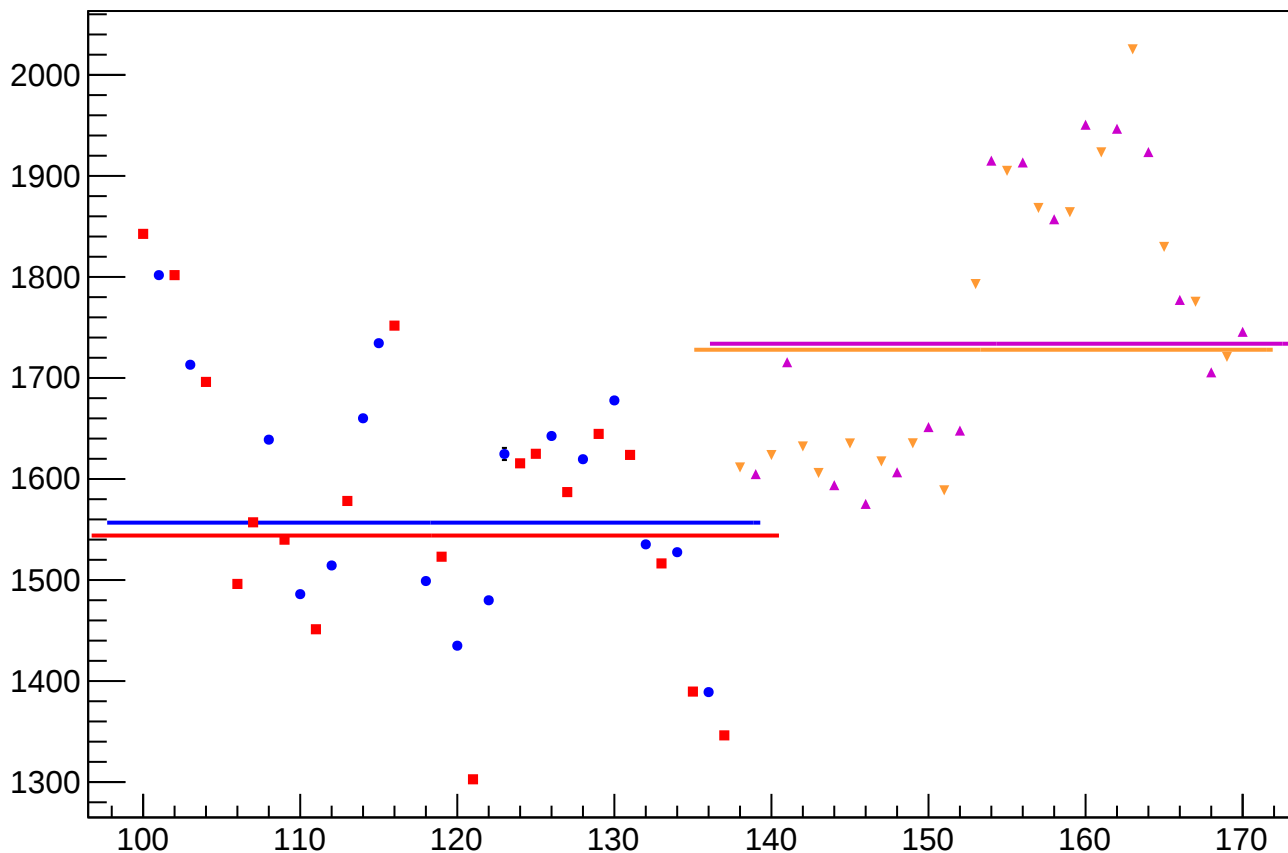
Left In: -58.220 ± 0.493 χ^2/NDF : 2622.3/15

+ sign -41.278 ± 0.378 χ^2/NDF : 23881.3/33

All: -34.642 ± 0.266 χ^2/NDF : 41145.9/68

- sign -28.111 ± 0.375 χ^2/NDF : 16653.9/34

diff_bpm0i02aX_rms vs Slug



Right In: 1556.799 $\pm$ 0.425 χ^2 /NDF: 81549.2/16

Left Out: 1727.941 $\pm$ 0.344 χ^2 /NDF: 141462.8/16

Right Out: 1544.034 $\pm$ 0.410 χ^2 /NDF: 100501.7/18

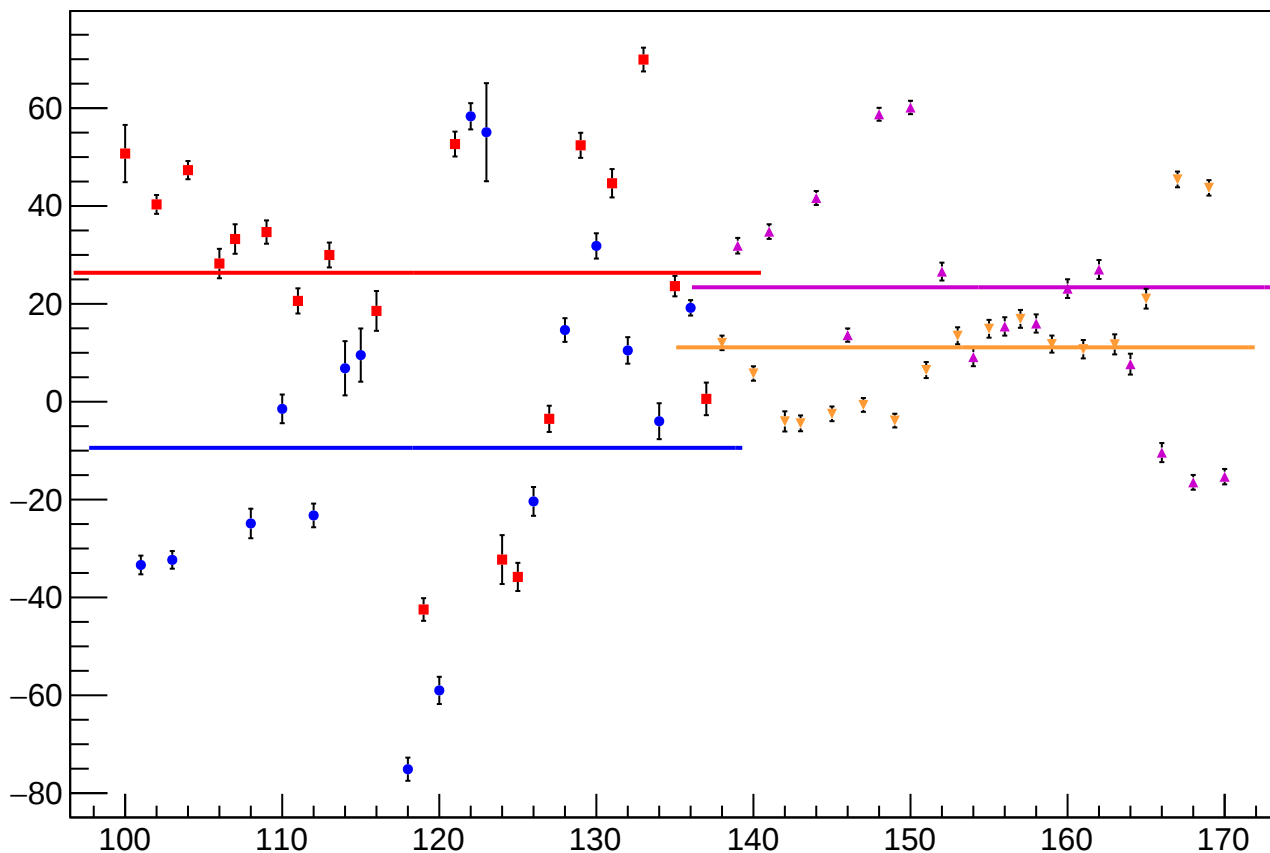
Left In: 1733.898 $\pm$ 0.348 χ^2 /NDF: 144381.0/15

+ sign 1660.212 $\pm$ 0.267 χ^2 /NDF: 320905.0/33

All: 1657.198 $\pm$ 0.188 χ^2 /NDF: 690699.8/68

- sign 1654.232 $\pm$ 0.265 χ^2 /NDF: 369542.8/34

diff_bpm0i02aY_mean vs Slug



Right In: -9.427 ± 0.626 χ^2/NDF : 2924.1/16

Left Out: 11.115 ± 0.403 χ^2/NDF : 1355.3/16

Right Out: 26.354 ± 0.603 χ^2/NDF : 2472.1/18

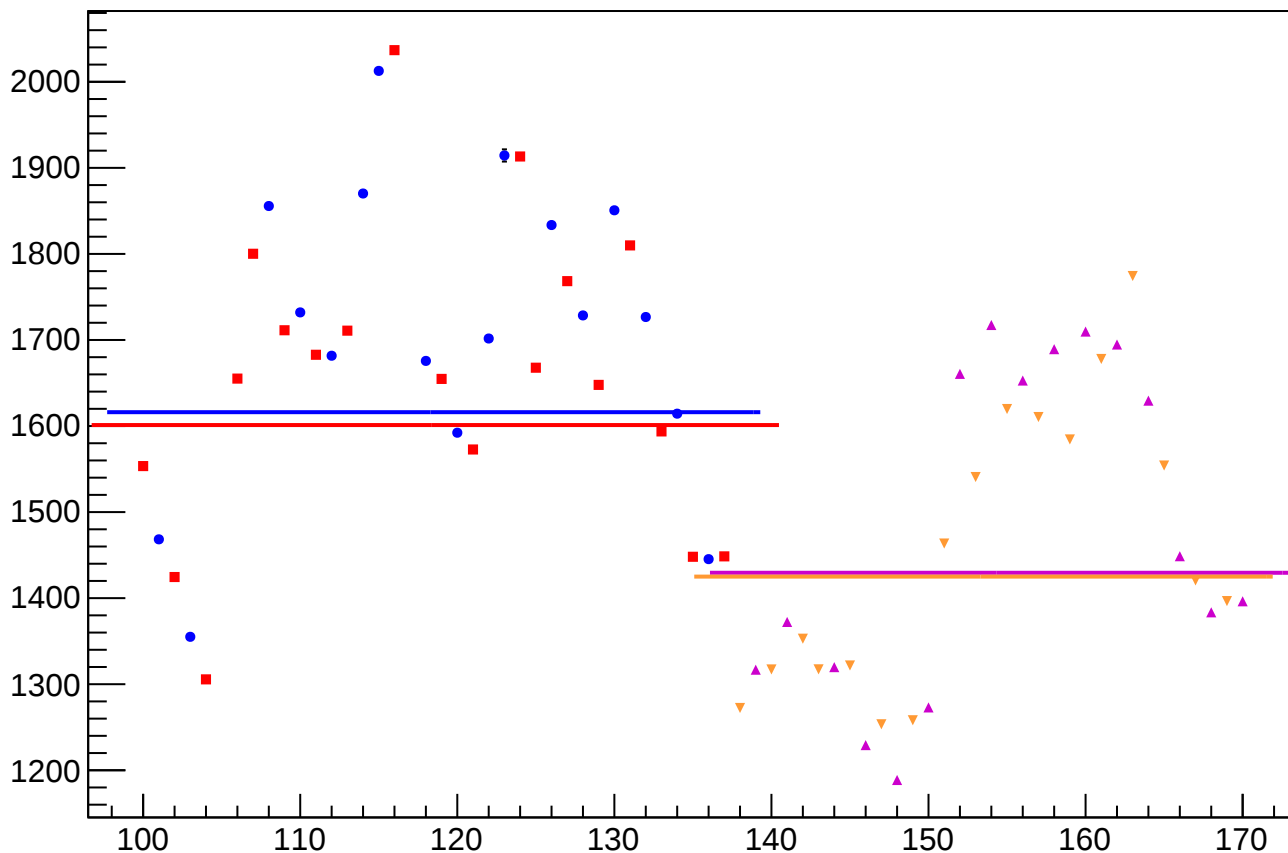
Left In: 23.389 ± 0.409 χ^2/NDF : 3487.3/15

+ sign 5.107 ± 0.339 χ^2/NDF : 5040.1/33

All: 14.733 ± 0.239 χ^2/NDF : 12627.5/68

- sign 24.323 ± 0.338 χ^2/NDF : 5975.9/34

diff_bpm0i02aY_rms vs Slug



Right In: 1616.094+/-0.443 χ^2/NDF : 149596.3/16

Left Out: 1425.033+/-0.285 χ^2/NDF : 283217.9/16

Right Out: 1601.134+/-0.426 χ^2/NDF : 153651.5/18

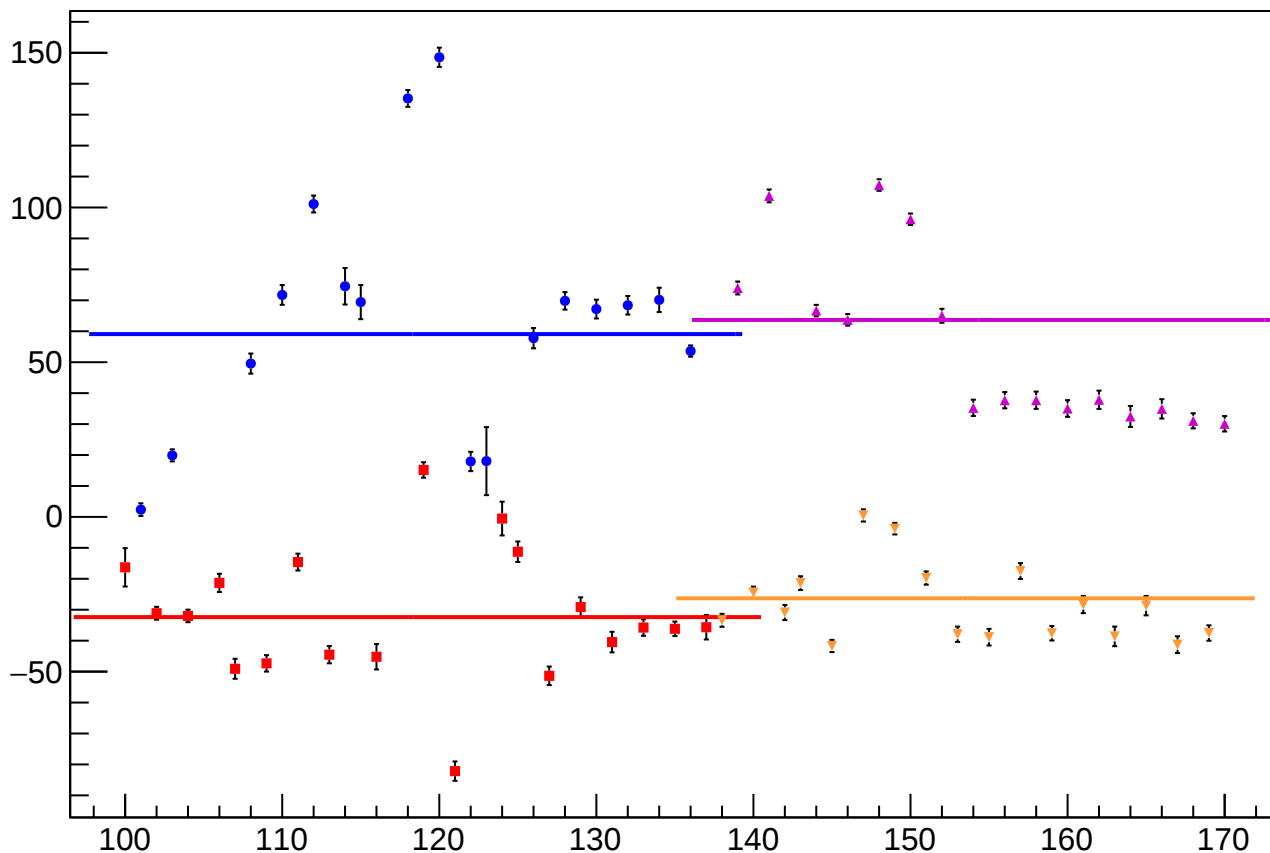
Left In: 1429.489+/-0.289 χ^2/NDF : 407902.0/15

+ sign 1480.915+/-0.240 χ^2/NDF : 564437.1/33

All: 1482.214+/-0.169 χ^2/NDF : 1237177.9/68

- sign 1483.509+/-0.239 χ^2/NDF : 672682.0/34

diff_bpm0i05X_mean vs Slug



Right In: 59.081 $\pm$ 0.699 χ^2 /NDF: 3293.6/16

Left Out: -26.310 $\pm$ 0.565 χ^2 /NDF: 566.2/16

Right Out: -32.382 $\pm$ 0.666 χ^2 /NDF: 891.5/18

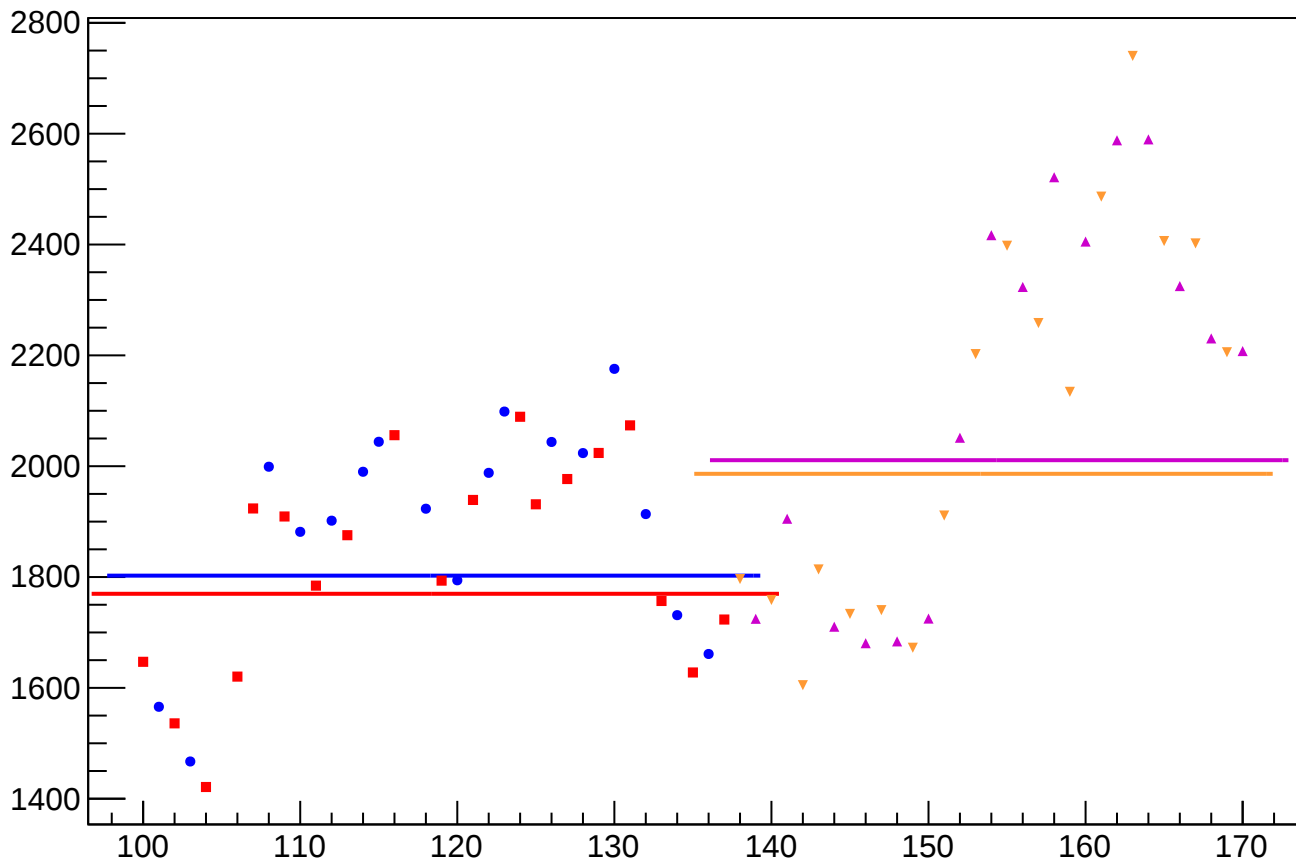
Left In: 63.653 $\pm$ 0.578 χ^2 /NDF: 2262.2/15

+ sign 7.405 $\pm$ 0.440 χ^2 /NDF: 12879.2/33

All: 14.982 $\pm$ 0.310 χ^2 /NDF: 28479.1/68

- sign 22.456 $\pm$ 0.437 χ^2 /NDF: 15009.5/34

diff_bpm0i05X_rms vs Slug



Right In: 1802.524+/-0.495 χ^2 /NDF: 184069.0/16

Left Out: 1986.260+/-0.399 χ^2 /NDF: 594629.7/16

Right Out: 1769.772+/-0.471 χ^2 /NDF: 177893.4/18

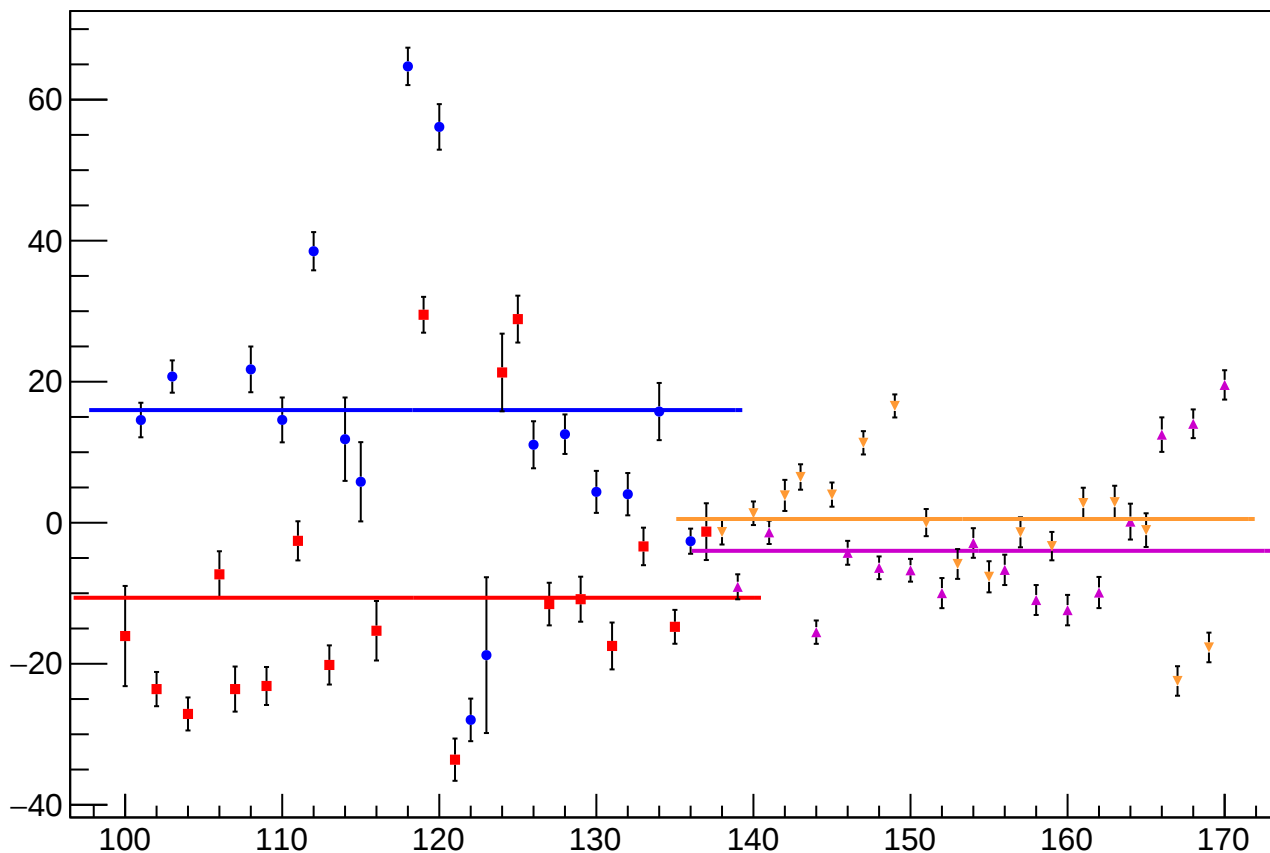
Left In: 2010.850+/-0.408 χ^2 /NDF: 636044.6/15

+ sign 1913.715+/-0.311 χ^2 /NDF: 862214.7/33

All: 1910.552+/-0.219 χ^2 /NDF: 1825780.5/68

- sign 1907.432+/-0.309 χ^2 /NDF: 963360.0/34

diff_bpm0i05Y_mean vs Slug



Right In: 15.976 ± 0.722 χ^2/NDF : 938.4/16

Left Out: 0.531 ± 0.473 χ^2/NDF : 383.1/16

Right Out: -10.638 ± 0.693 χ^2/NDF : 642.1/18

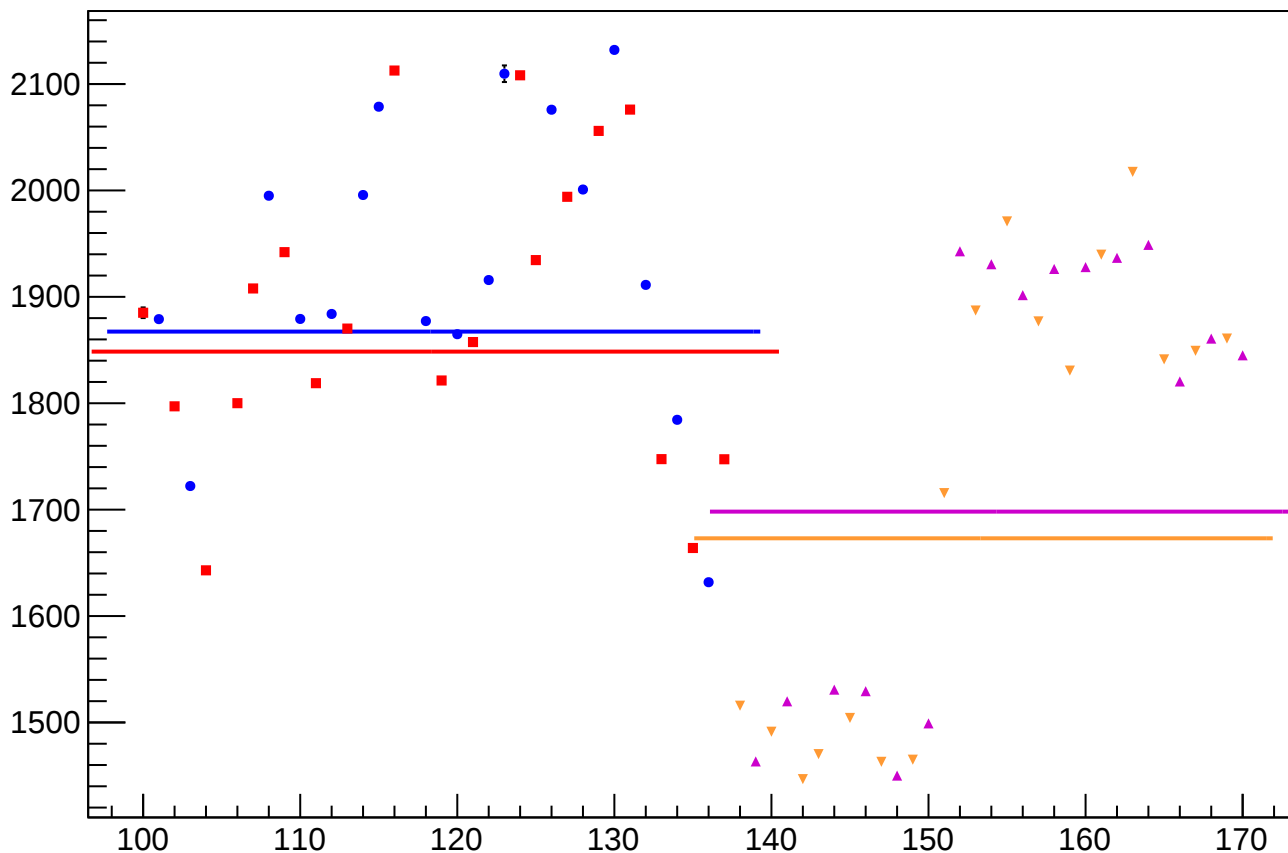
Left In: -3.983 ± 0.484 χ^2/NDF : 361.5/15

+ sign 5.178 ± 0.396 χ^2/NDF : 1641.7/33

All: -0.476 ± 0.280 χ^2/NDF : 3116.6/68

- sign -6.166 ± 0.397 χ^2/NDF : 1065.5/34

diff_bpm0i05Y_rms vs Slug



Right In: 1867.343+/-0.510 χ^2/NDF : 80926.4/16

Left Out: 1673.064+/-0.335 χ^2/NDF : 372156.9/16

Right Out: 1848.532+/-0.490 χ^2/NDF : 72527.3/18

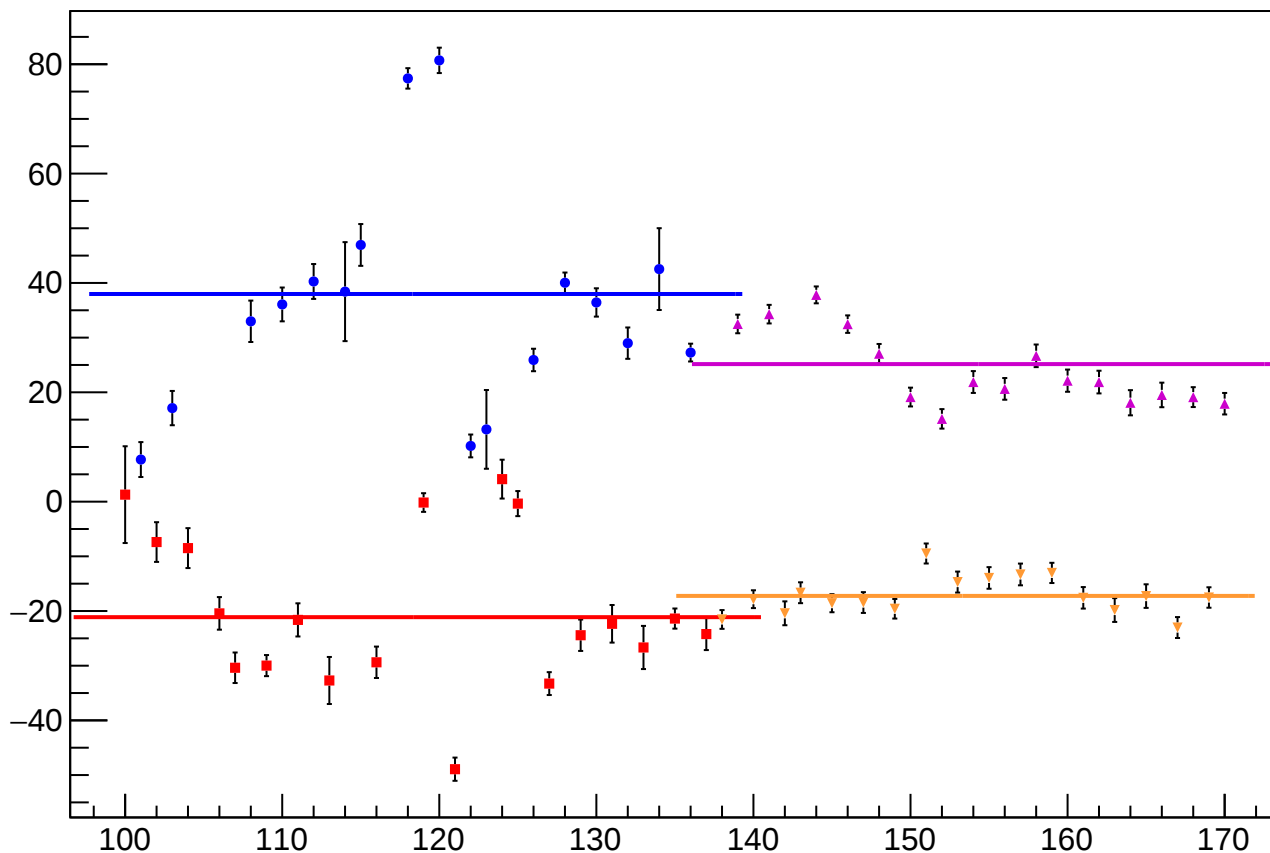
Left In: 1698.145+/-0.343 χ^2/NDF : 361162.2/15

+ sign 1731.514+/-0.280 χ^2/NDF : 554433.6/33

All: 1739.468+/-0.198 χ^2/NDF : 1052971.8/68

- sign 1747.474+/-0.281 χ^2/NDF : 496917.8/34

diff_bpm0i07X_mean vs Slug



Right In: 37.979 ± 0.637 χ^2/NDF : 1204.3/16

Left Out: -17.236 ± 0.458 χ^2/NDF : 53.6/16

Right Out: -21.124 ± 0.608 χ^2/NDF : 573.6/18

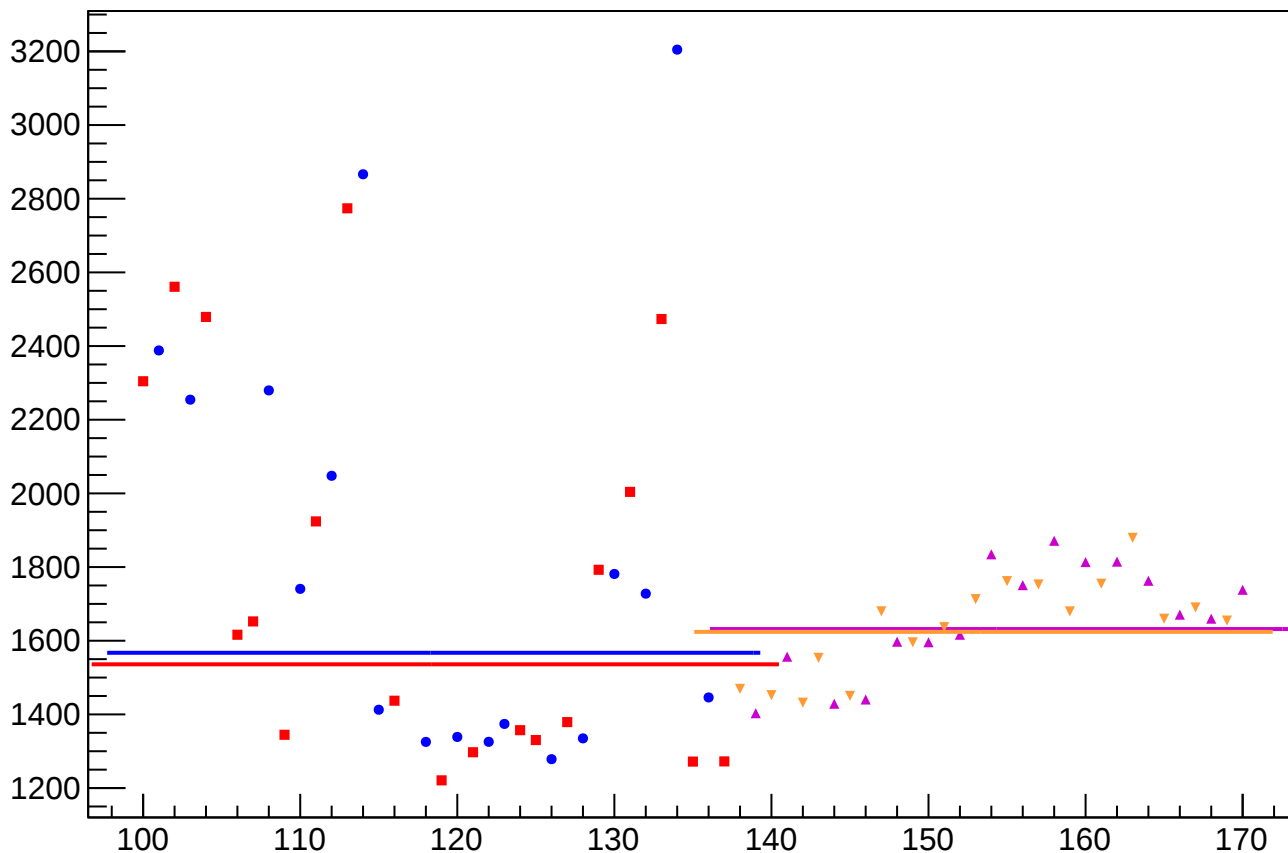
Left In: 25.159 ± 0.465 χ^2/NDF : 234.1/15

+ sign 1.558 ± 0.372 χ^2/NDF : 6208.2/33

All: 4.854 ± 0.262 χ^2/NDF : 10827.4/68

- sign 8.105 ± 0.369 χ^2/NDF : 4463.2/34

diff_bpm0i07X_rms vs Slug



Right In: 1567.328+/-0.451 χ^2/NDF : 673450.6/16

Left Out: 1624.138+/-0.324 χ^2/NDF : 145222.6/16

Right Out: 1535.967+/-0.430 χ^2/NDF : 882098.2/18

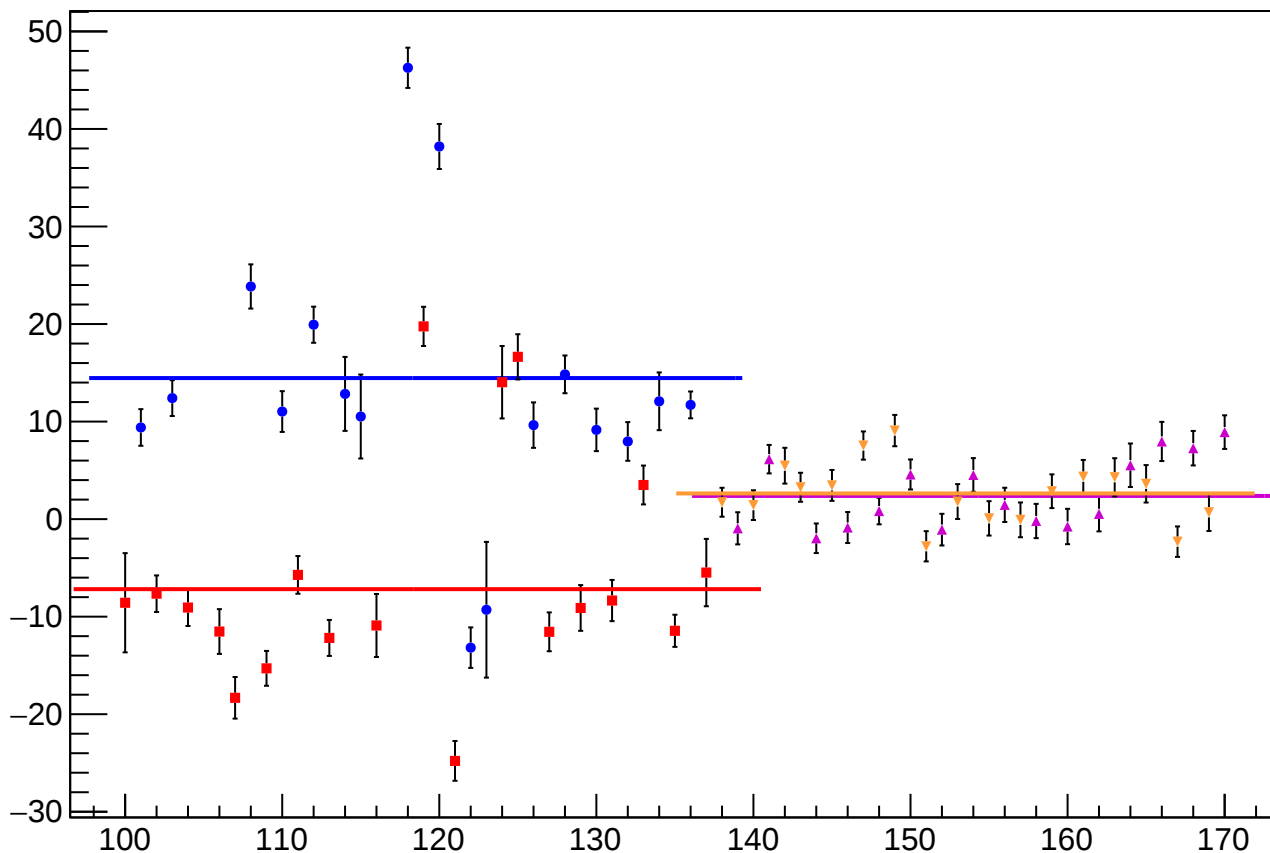
Left In: 1631.732+/-0.329 χ^2/NDF : 204504.7/15

+ sign 1604.801+/-0.263 χ^2/NDF : 829154.1/33

All: 1600.594+/-0.185 χ^2/NDF : 1947565.1/68

- sign 1596.445+/-0.261 χ^2/NDF : 1117902.5/34

diff_bpm0i07Y_mean vs Slug



Right In: 14.461 ± 0.523 $\chi^2/\text{NDF}: 595.9/16$

Left Out: 2.633 ± 0.403 $\chi^2/\text{NDF}: 61.4/16$

Right Out: -7.181 ± 0.494 $\chi^2/\text{NDF}: 495.7/18$

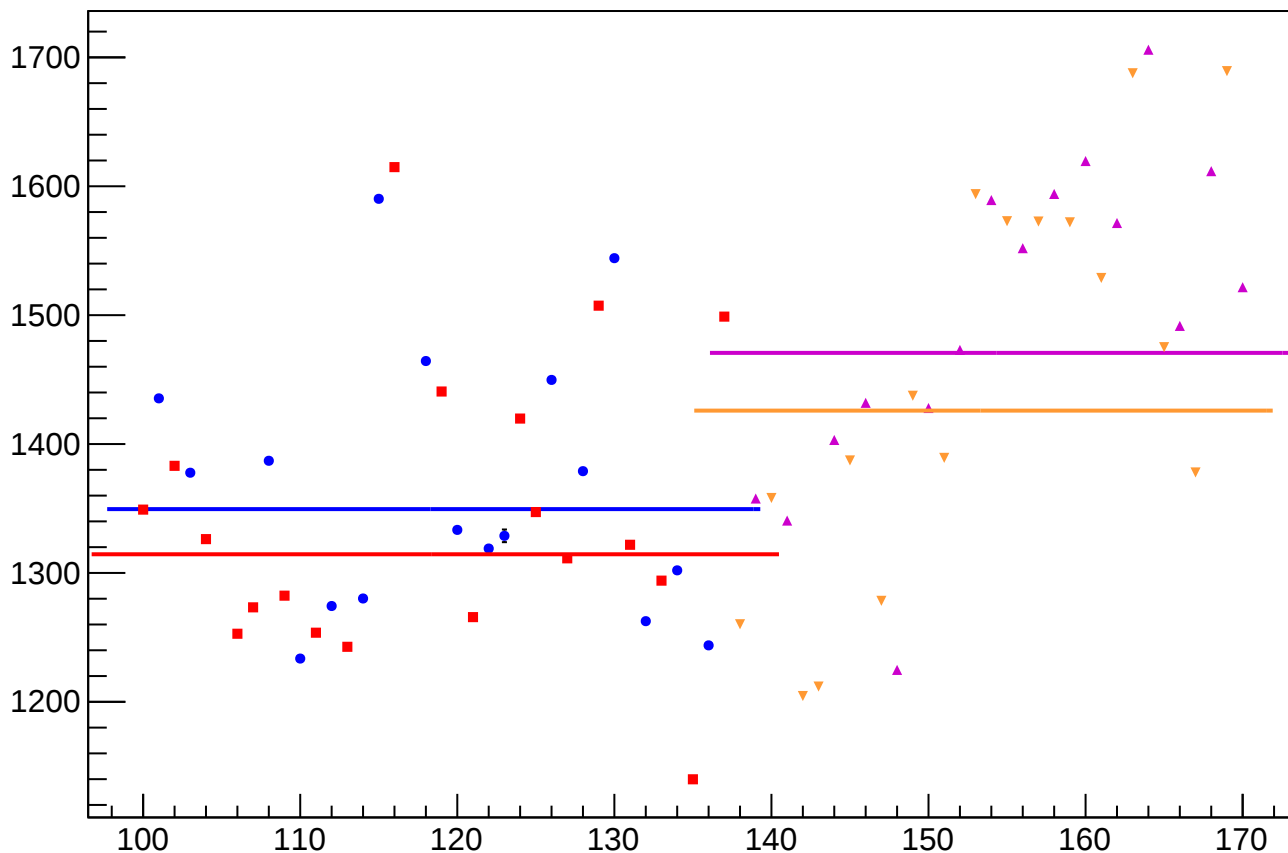
Left In: 2.379 ± 0.418 $\chi^2/\text{NDF}: 70.7/15$

+ sign 7.037 ± 0.319 $\chi^2/\text{NDF}: 978.1/33$

All: 2.715 ± 0.226 $\chi^2/\text{NDF}: 2129.1/68$

- sign -1.611 ± 0.319 $\chi^2/\text{NDF}: 784.3/34$

diff_bpm0i07Y_rms vs Slug



Right In: 1349.522 $\pm$ 0.370 χ^2 /NDF: 64667.6/16

Left Out: 1425.949 $\pm$ 0.285 χ^2 /NDF: 266403.3/16

Right Out: 1314.485 $\pm$ 0.350 χ^2 /NDF: 80952.7/18

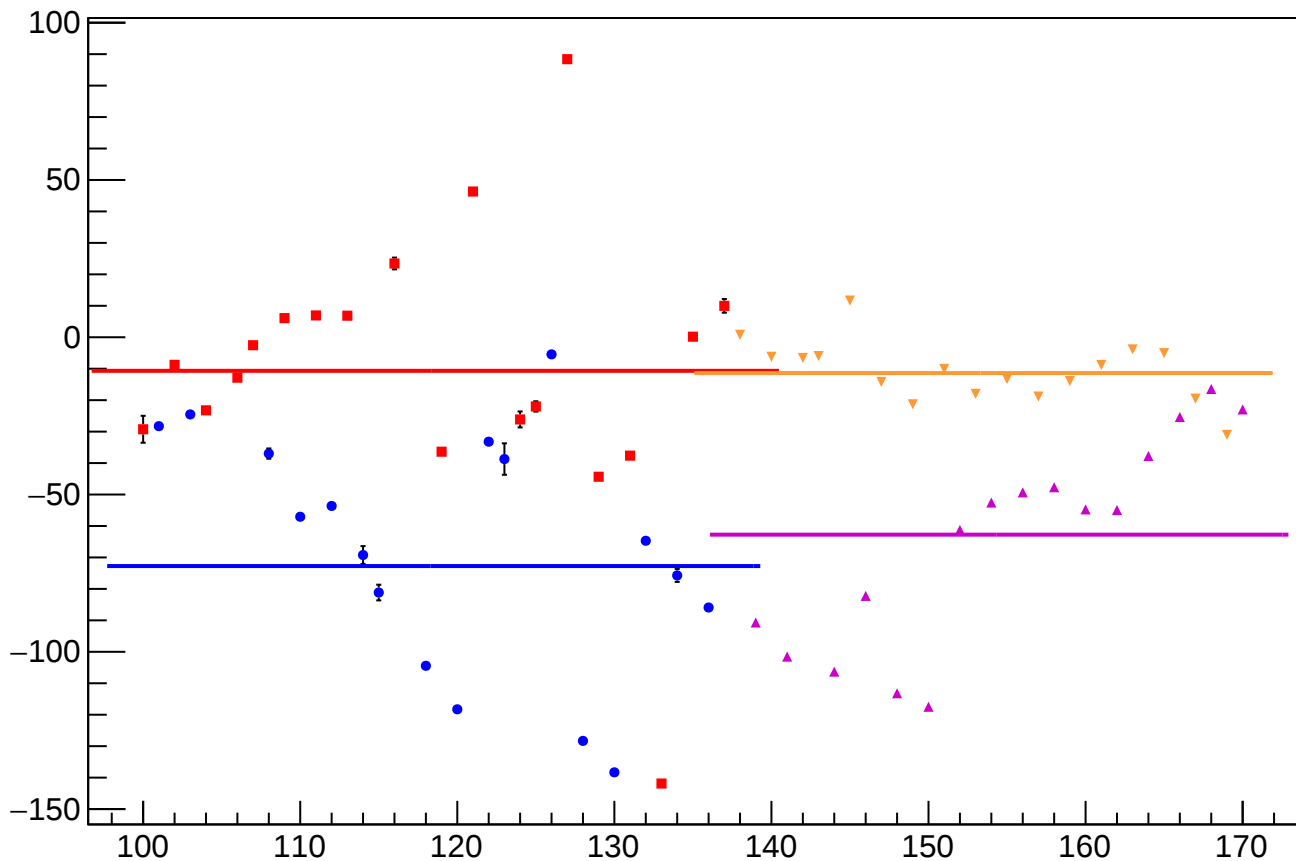
Left In: 1470.735 $\pm$ 0.296 χ^2 /NDF: 177504.2/15

+ sign 1397.490 $\pm$ 0.226 χ^2 /NDF: 357855.9/33

All: 1401.503 $\pm$ 0.160 χ^2 /NDF: 733345.4/68

- sign 1405.519 $\pm$ 0.226 χ^2 /NDF: 374857.5/34

diff_bpm1i02X_mean vs Slug



Right In: -72.741 ± 0.362 χ^2/NDF : 11690.4/16

Left Out: -11.381 ± 0.260 χ^2/NDF : 1419.3/16

Right Out: -10.671 ± 0.352 χ^2/NDF : 18171.0/18

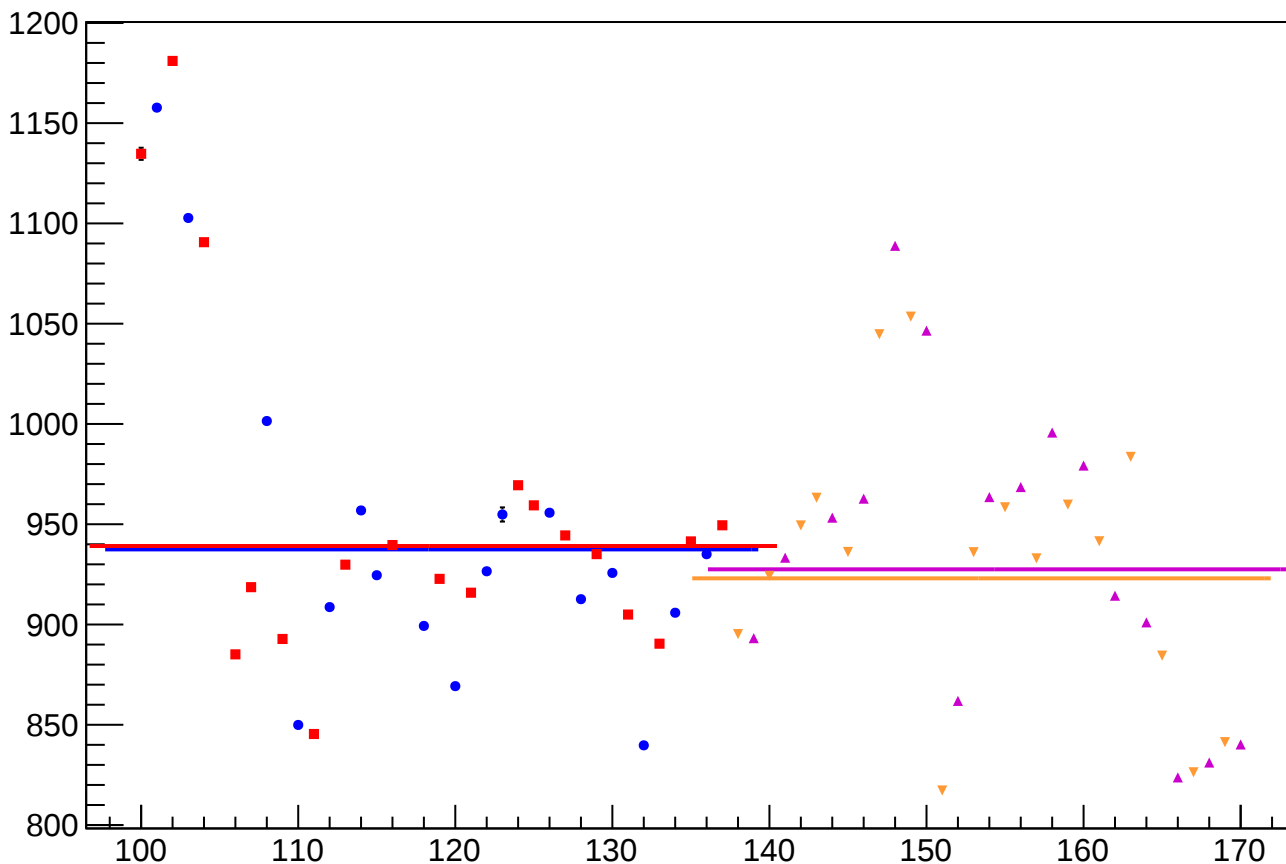
Left In: -62.758 ± 0.264 χ^2/NDF : 14844.0/15

+ sign -32.229 ± 0.211 χ^2/NDF : 32041.6/33

All: -38.154 ± 0.149 χ^2/NDF : 80643.4/68

- sign -44.070 ± 0.211 χ^2/NDF : 47029.3/34

diff_bpm1i02X_rms vs Slug



Right In: 937.454 $\pm$ 0.256 χ^2 /NDF: 98307.6/16

Left Out: 923.023 $\pm$ 0.184 χ^2 /NDF:127340.7/16

Right Out: 939.140 $\pm$ 0.249 χ^2 /NDF: 90253.2/18

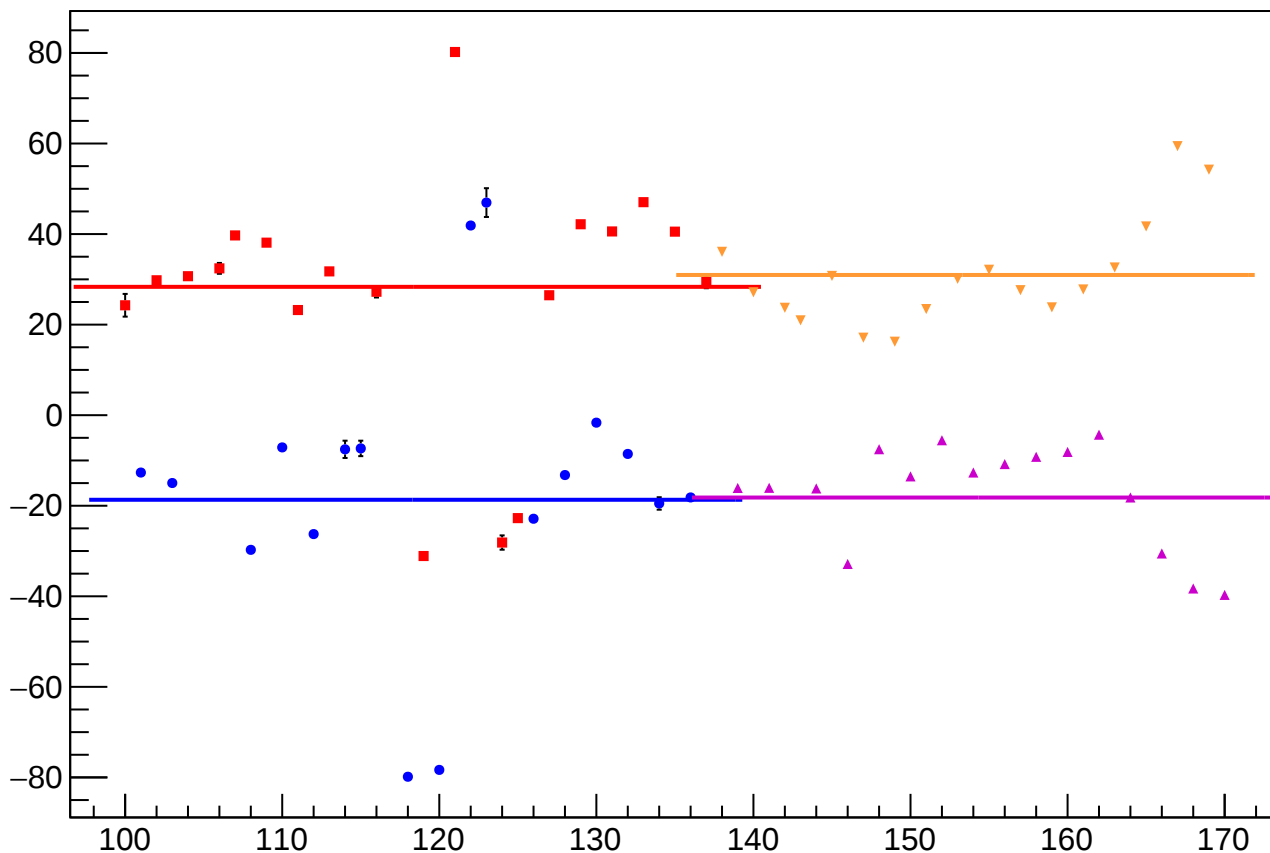
Left In: 927.520 $\pm$ 0.186 χ^2 /NDF:148599.6/15

+ sign 927.926 $\pm$ 0.149 χ^2 /NDF: 227742.6/33

All: 929.809 $\pm$ 0.106 χ^2 /NDF: 468308.0/68

- sign 931.689 $\pm$ 0.149 χ^2 /NDF: 240247.7/34

diff_bpm1i02Y_mean vs Slug



Right In: -18.683 ± 0.243 $\chi^2/\text{NDF}: 13006.2/16$

Left Out: 30.968 ± 0.202 $\chi^2/\text{NDF}: 3516.6/16$

Right Out: 28.347 ± 0.235 $\chi^2/\text{NDF}: 12508.1/18$

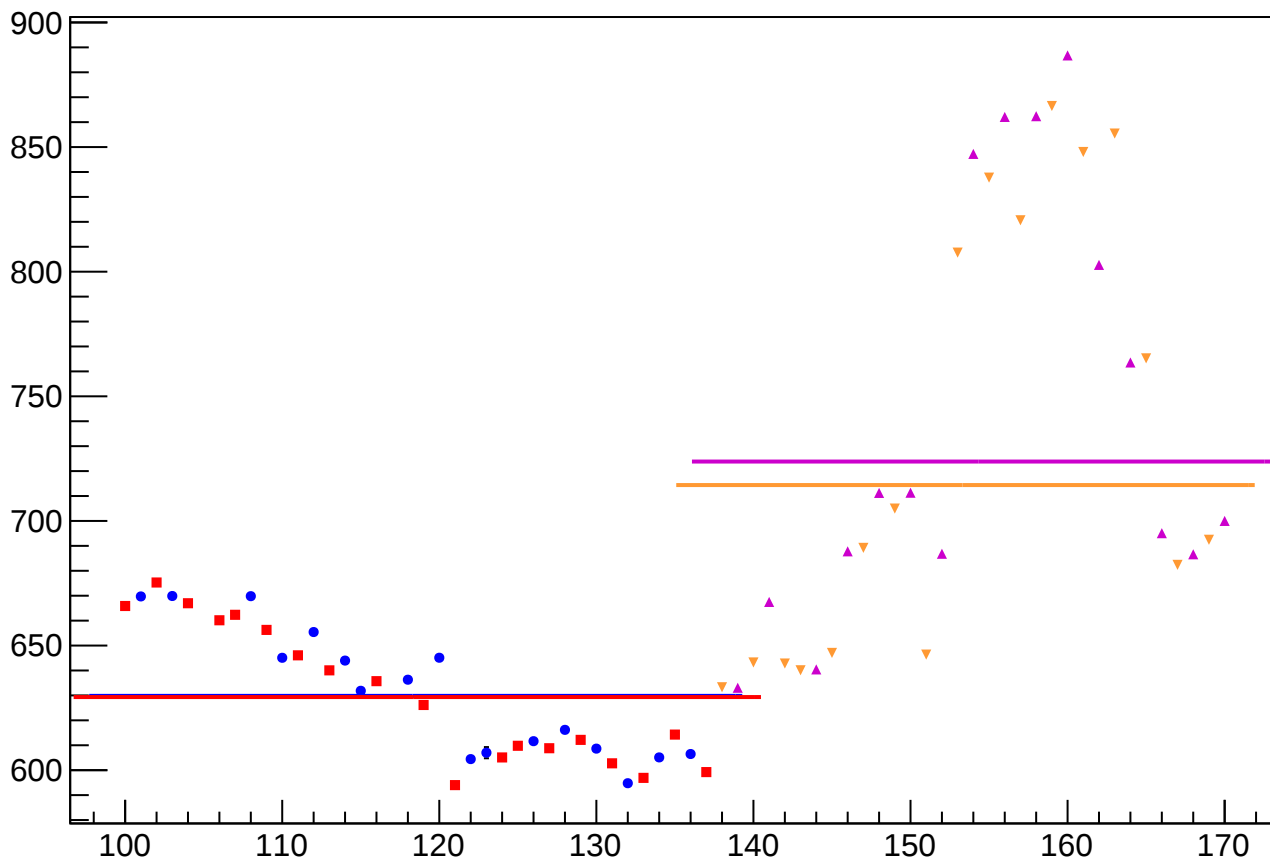
Left In: -18.188 ± 0.206 $\chi^2/\text{NDF}: 3037.1/15$

+ sign 10.630 ± 0.155 $\chi^2/\text{NDF}: 41239.6/33$

All: 6.325 ± 0.110 $\chi^2/\text{NDF}: 80411.6/68$

- sign 2.027 ± 0.155 $\chi^2/\text{NDF}: 37636.9/34$

diff_bpm1i02Y_rms vs Slug



Right In: 629.815 $\pm$ 0.172 χ^2 /NDF: 23298.3/16

Left Out: 714.395 $\pm$ 0.143 χ^2 /NDF: 331127.7/16

Right Out: 629.340 $\pm$ 0.166 χ^2 /NDF: 25538.5/18

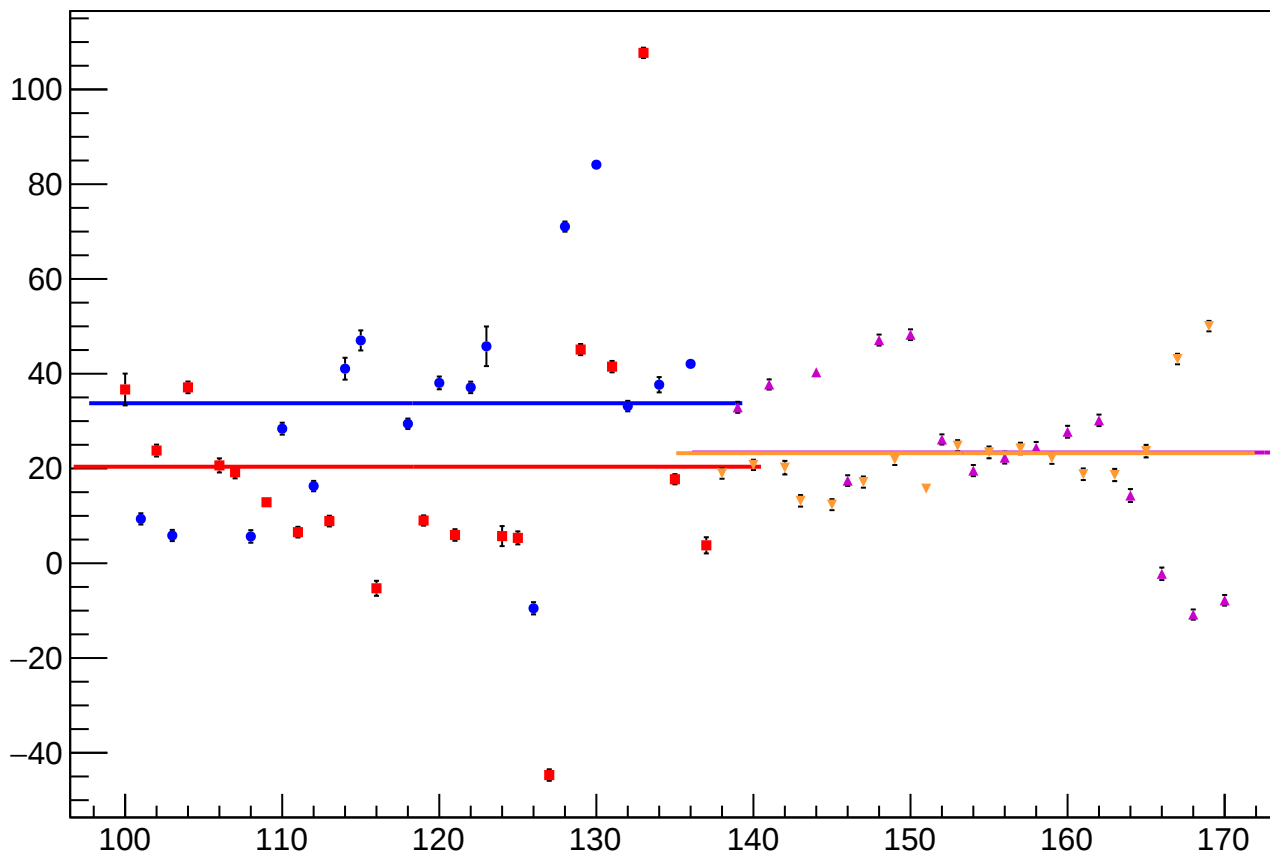
Left In: 723.830 $\pm$ 0.146 χ^2 /NDF: 277549.4/15

+ sign 679.749 $\pm$ 0.110 χ^2 /NDF: 497876.6/33

All: 681.267 $\pm$ 0.078 χ^2 /NDF: 983516.0/68

- sign 682.782 $\pm$ 0.110 χ^2 /NDF: 485257.7/34

diff_bpm1i04X_mean vs Slug



Right In: 33.773 $\pm$ 0.300 χ^2 /NDF: 6487.9/16

Left Out: 23.232 $\pm$ 0.288 χ^2 /NDF: 1200.8/16

Right Out: 20.375 $\pm$ 0.293 χ^2 /NDF: 11287.7/18

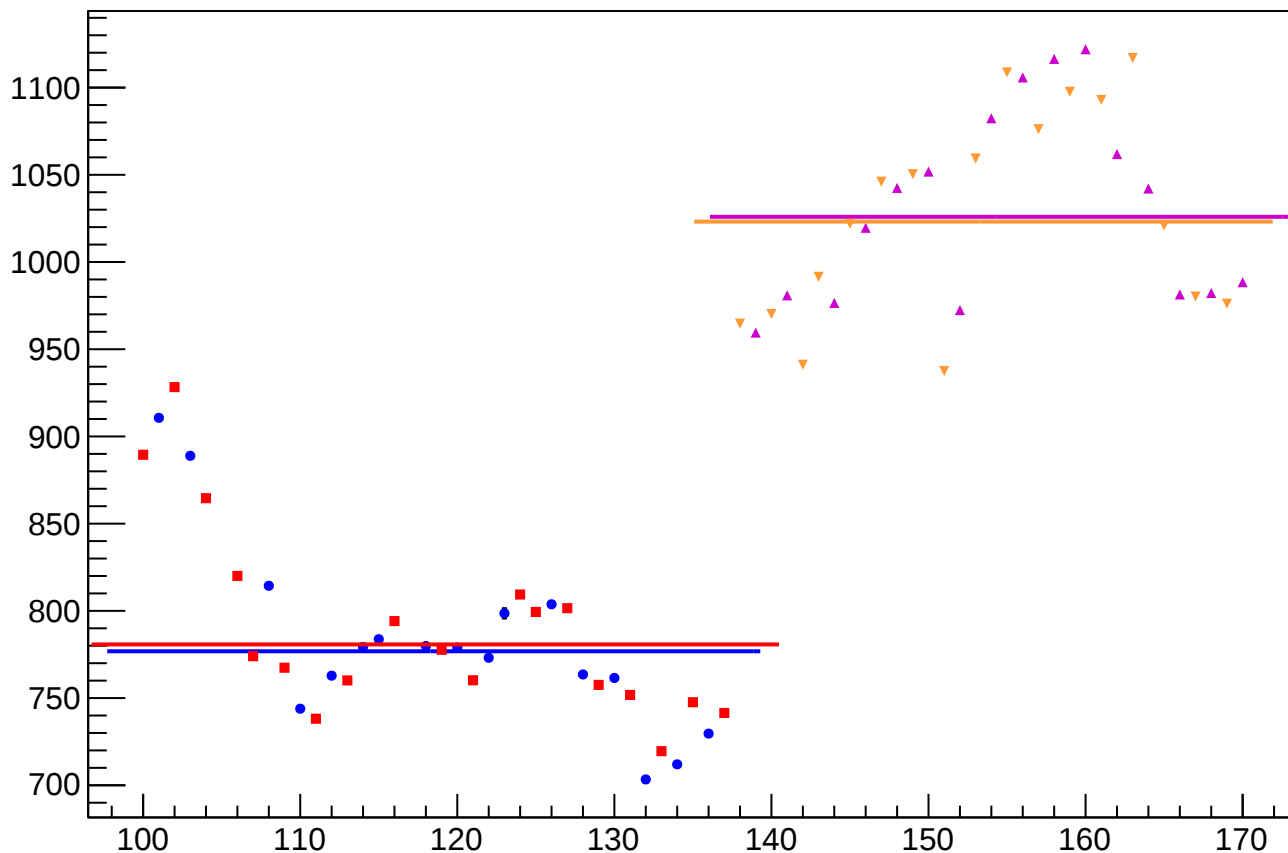
Left In: 23.372 $\pm$ 0.291 χ^2 /NDF: 3712.8/15

+ sign 28.285 $\pm$ 0.208 χ^2 /NDF: 8331.8/33

All: 25.063 $\pm$ 0.146 χ^2 /NDF: 23863.8/68

- sign 21.881 $\pm$ 0.206 χ^2 /NDF: 15053.2/34

diff_bpm1i04X_rms vs Slug



Right In: 776.838 $\pm$ 0.212 χ^2 /NDF: 67487.1/16

Left Out: 1023.158 $\pm$ 0.204 χ^2 /NDF: 79658.5/16

Right Out: 780.755 $\pm$ 0.207 χ^2 /NDF: 57428.9/18

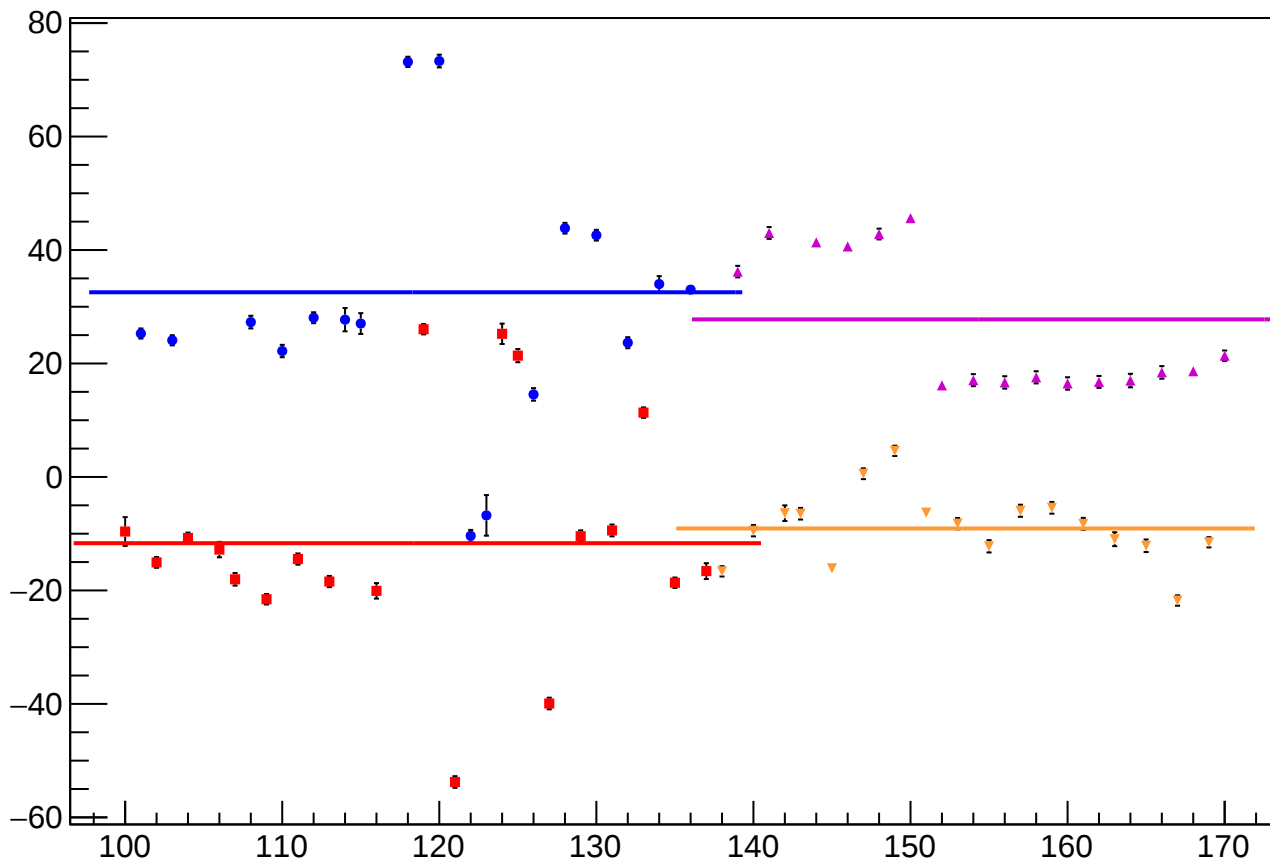
Left In: 1025.919 $\pm$ 0.206 χ^2 /NDF: 66090.0/15

+ sign 905.068 $\pm$ 0.147 χ^2 /NDF: 849540.6/33

All: 904.515 $\pm$ 0.103 χ^2 /NDF: 1679124.7/68

- sign 903.969 $\pm$ 0.146 χ^2 /NDF: 829555.9/34

diff_bpm1i04Y_mean vs Slug



Right In: 32.552 ± 0.253 χ^2/NDF : 6073.0/16

Left Out: -9.080 ± 0.241 χ^2/NDF : 719.3/16

Right Out: -11.674 ± 0.247 χ^2/NDF : 6357.6/18

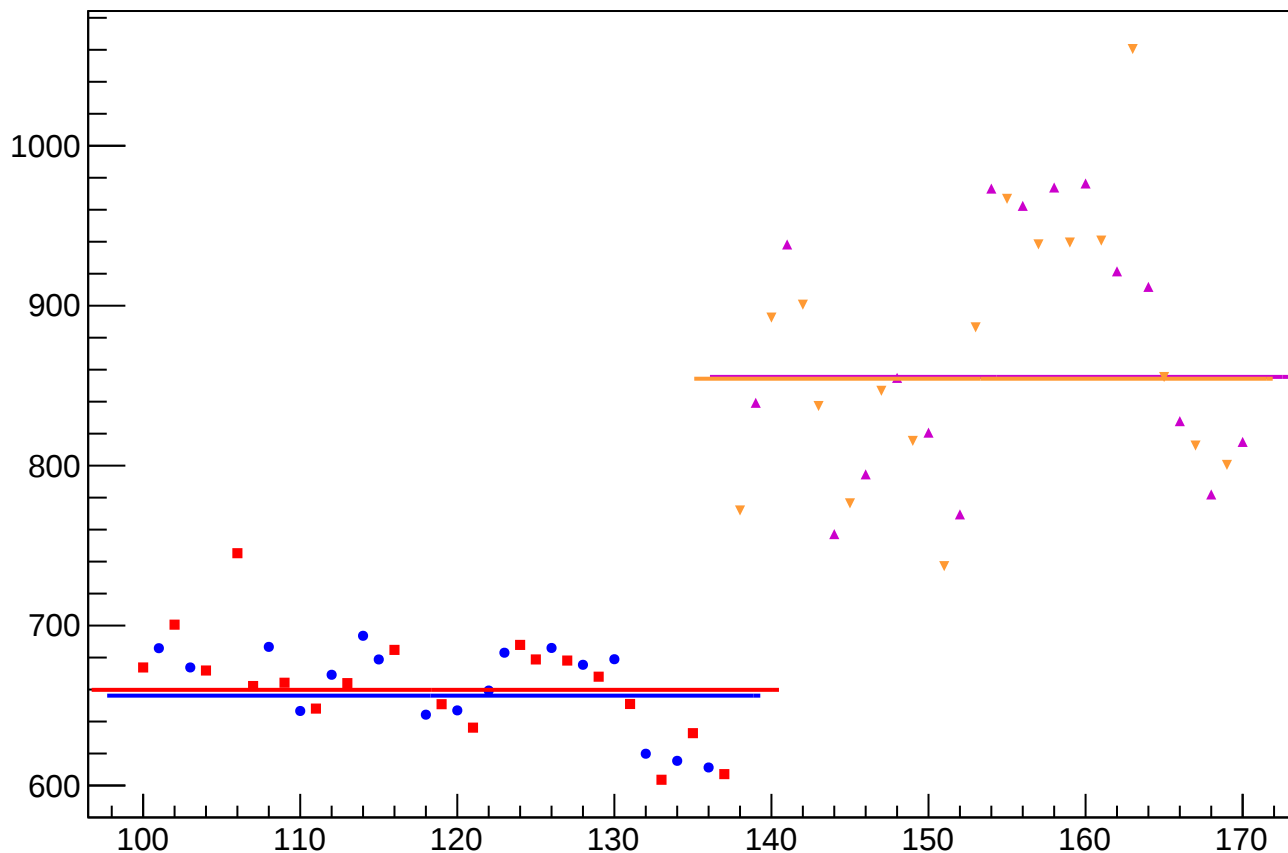
Left In: 27.775 ± 0.244 χ^2/NDF : 2436.7/15

+ sign 10.766 ± 0.175 χ^2/NDF : 20977.6/33

All: 9.519 ± 0.123 χ^2/NDF : 42780.6/68

- sign 8.287 ± 0.174 χ^2/NDF : 21701.6/34

diff_bpm1i04Y_rms vs Slug



Right In: 656.181 ± 0.179 χ^2/NDF : 23569.6/16

Left Out: 854.345 ± 0.171 χ^2/NDF : 212403.0/16

Right Out: 659.813 ± 0.175 χ^2/NDF : 28325.7/18

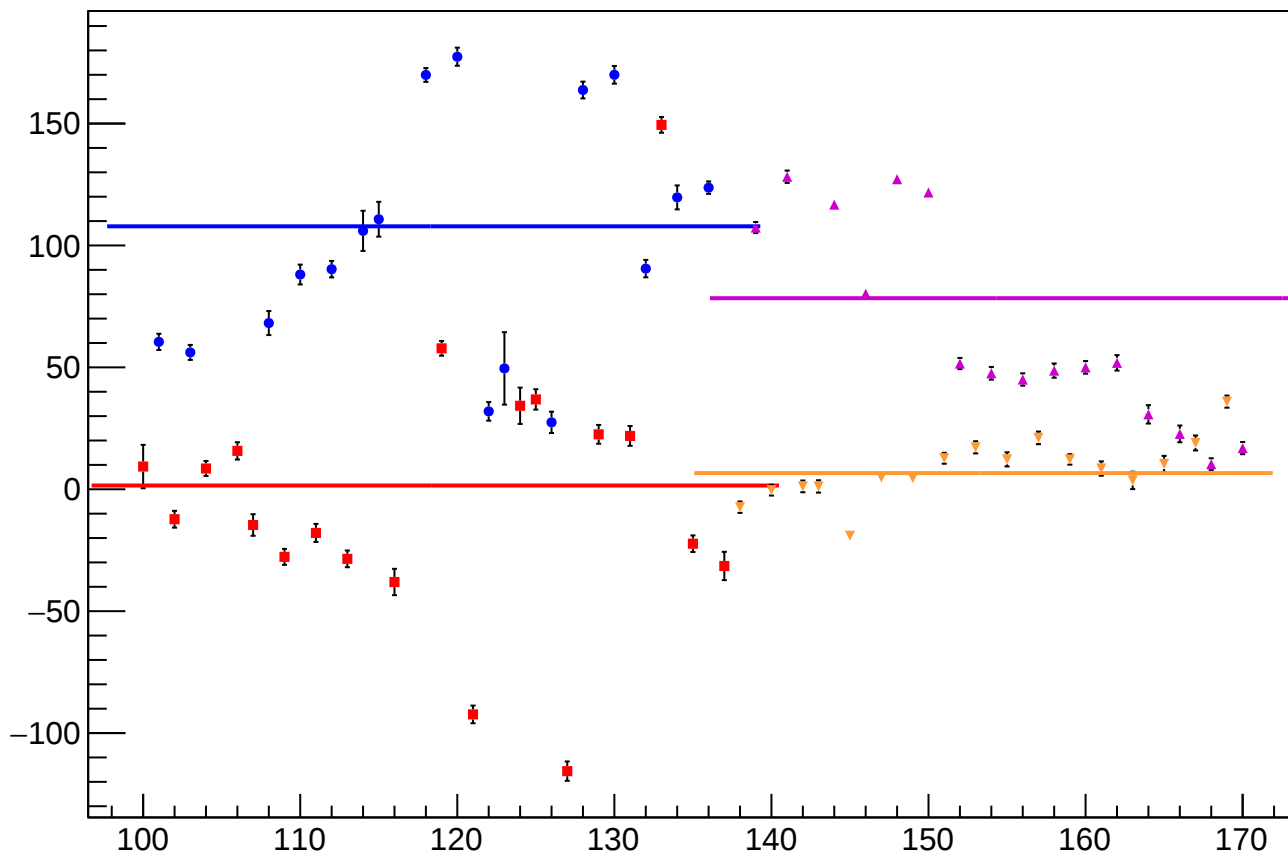
Left In: 855.488 ± 0.173 χ^2/NDF : 199080.5/15

+ sign 759.882 ± 0.123 χ^2/NDF : 878762.1/33

All: 759.349 ± 0.087 χ^2/NDF : 1741356.4/68

- sign 758.822 ± 0.123 χ^2/NDF : 862557.2/34

diff_bpm1i06X_mean vs Slug



Right In: 107.852 $\pm$ 0.922 χ^2 /NDF: 2809.0/16

Left Out: 6.631 $\pm$ 0.577 χ^2 /NDF: 442.8/16

Right Out: 1.542 $\pm$ 0.883 χ^2 /NDF: 4523.8/18

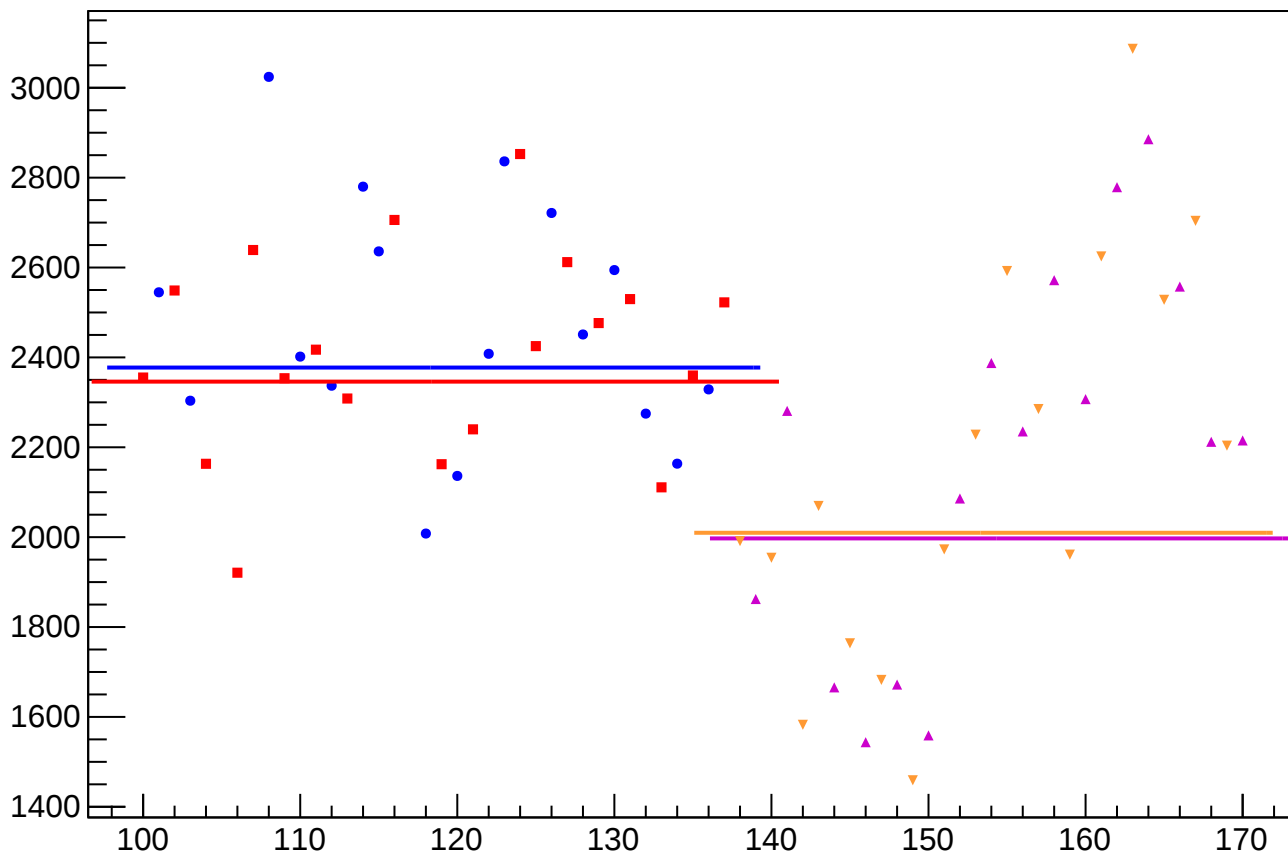
Left In: 78.365 $\pm$ 0.580 χ^2 /NDF: 4880.7/15

+ sign 35.136 $\pm$ 0.489 χ^2 /NDF: 11919.0/33

All: 45.246 $\pm$ 0.344 χ^2 /NDF: 27454.1/68

- sign 55.195 $\pm$ 0.485 χ^2 /NDF: 14687.2/34

diff_bpm1i06X_rms vs Slug



Right In: 2377.423+/-0.652 χ^2/NDF : 119648.6/16

Left Out: 2009.751+/-0.408 χ^2/NDF : 933401.2/16

Right Out: 2346.121+/-0.625 χ^2/NDF : 108257.3/18

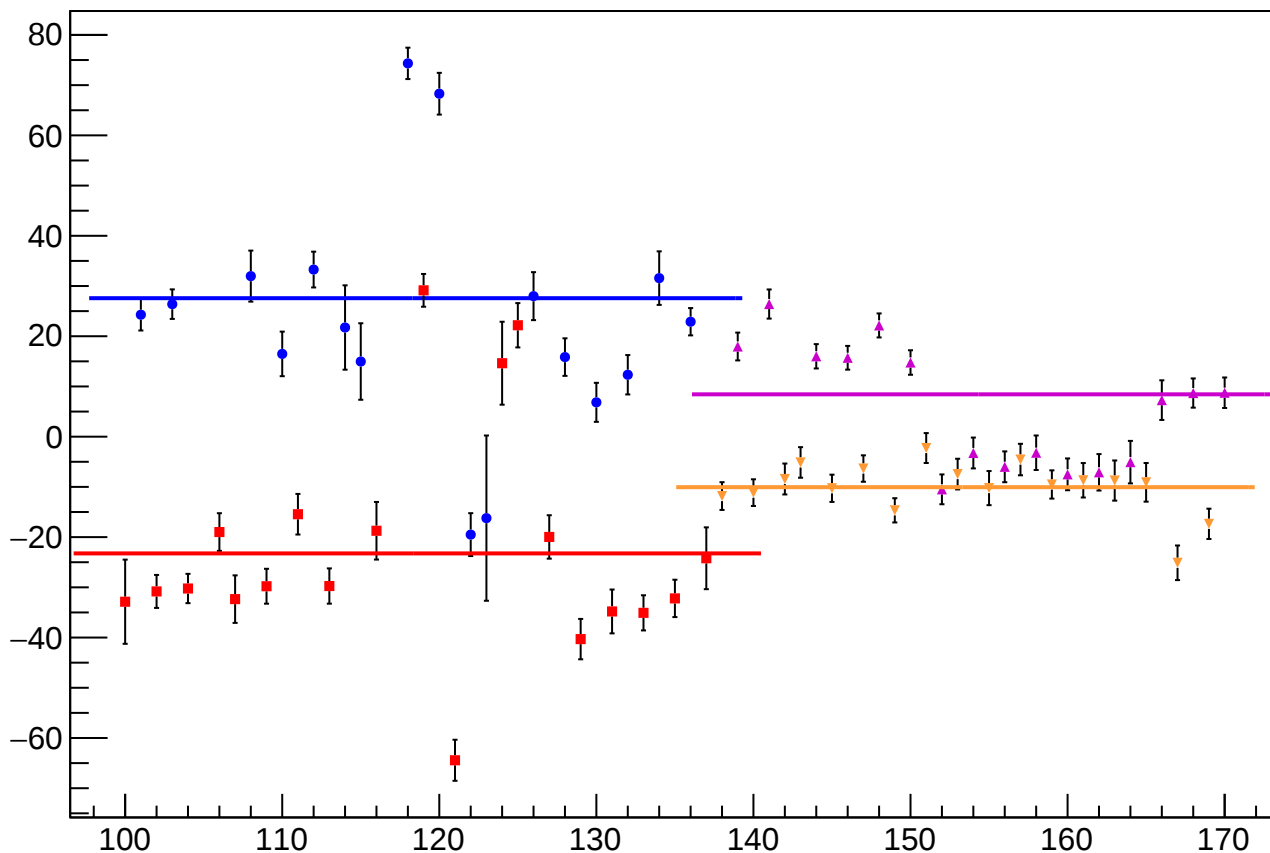
Left In: 1997.199+/-0.410 χ^2/NDF : 921597.7/15

+ sign 2113.291+/-0.346 χ^2/NDF : 1281760.4/33

All: 2107.819+/-0.244 χ^2/NDF : 2530065.2/68

- sign 2102.435+/-0.343 χ^2/NDF : 1247807.9/34

diff_bpm1i06Y_mean vs Slug



Right In: 27.577 ± 0.975 χ^2/NDF : 519.6/16

Left Out: -10.058 ± 0.729 χ^2/NDF : 45.1/16

Right Out: -23.243 ± 0.927 χ^2/NDF : 557.9/18

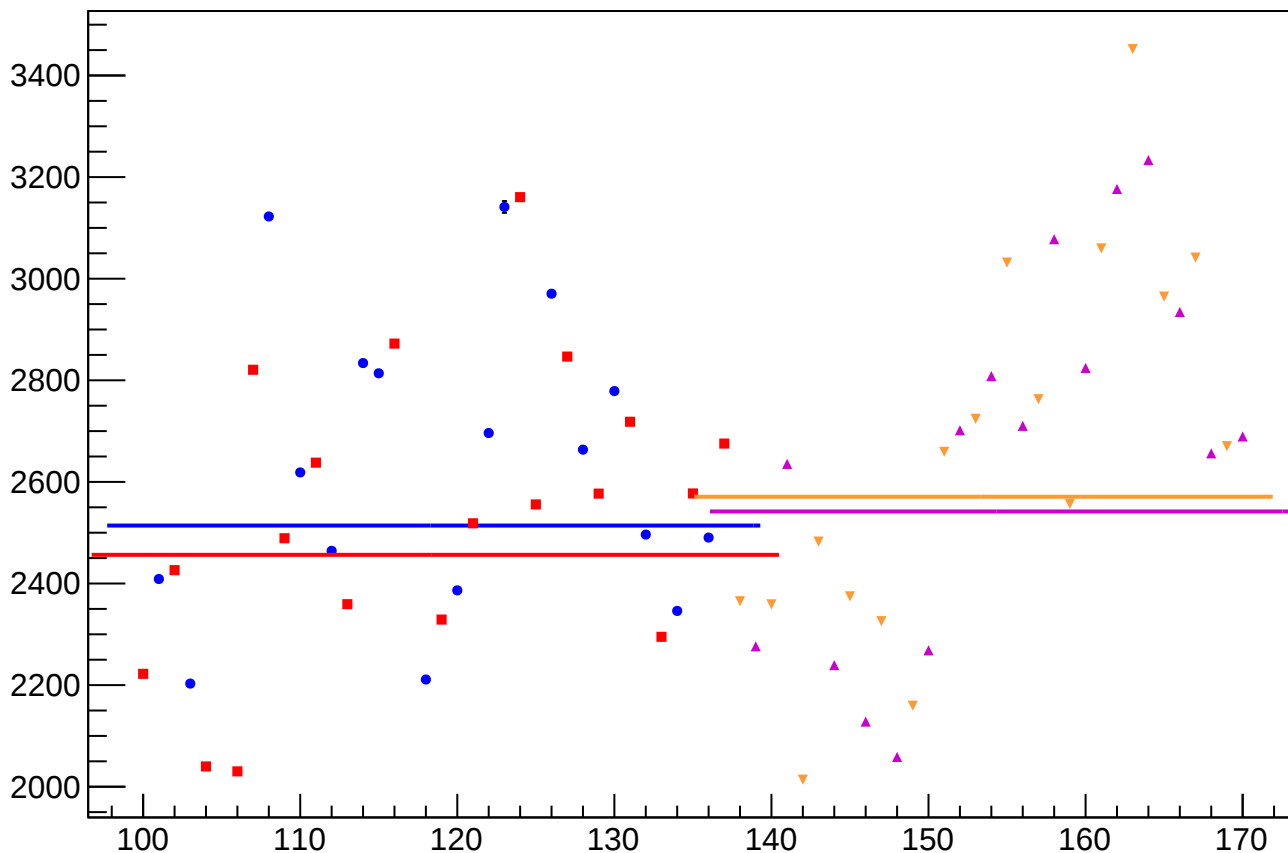
Left In: 8.432 ± 0.730 χ^2/NDF : 251.6/15

+ sign 3.440 ± 0.584 χ^2/NDF : 1520.6/33

All: -0.193 ± 0.409 χ^2/NDF : 3126.6/68

- sign -3.702 ± 0.574 χ^2/NDF : 1529.8/34

diff_bpm1i06Y_rms vs Slug



Right In: 2514.088+/-0.689 χ^2/NDF : 120961.3/16

Left Out: 2570.800+/-0.515 χ^2/NDF : 426165.2/16

Right Out: 2456.460+/-0.655 χ^2/NDF : 149732.7/18

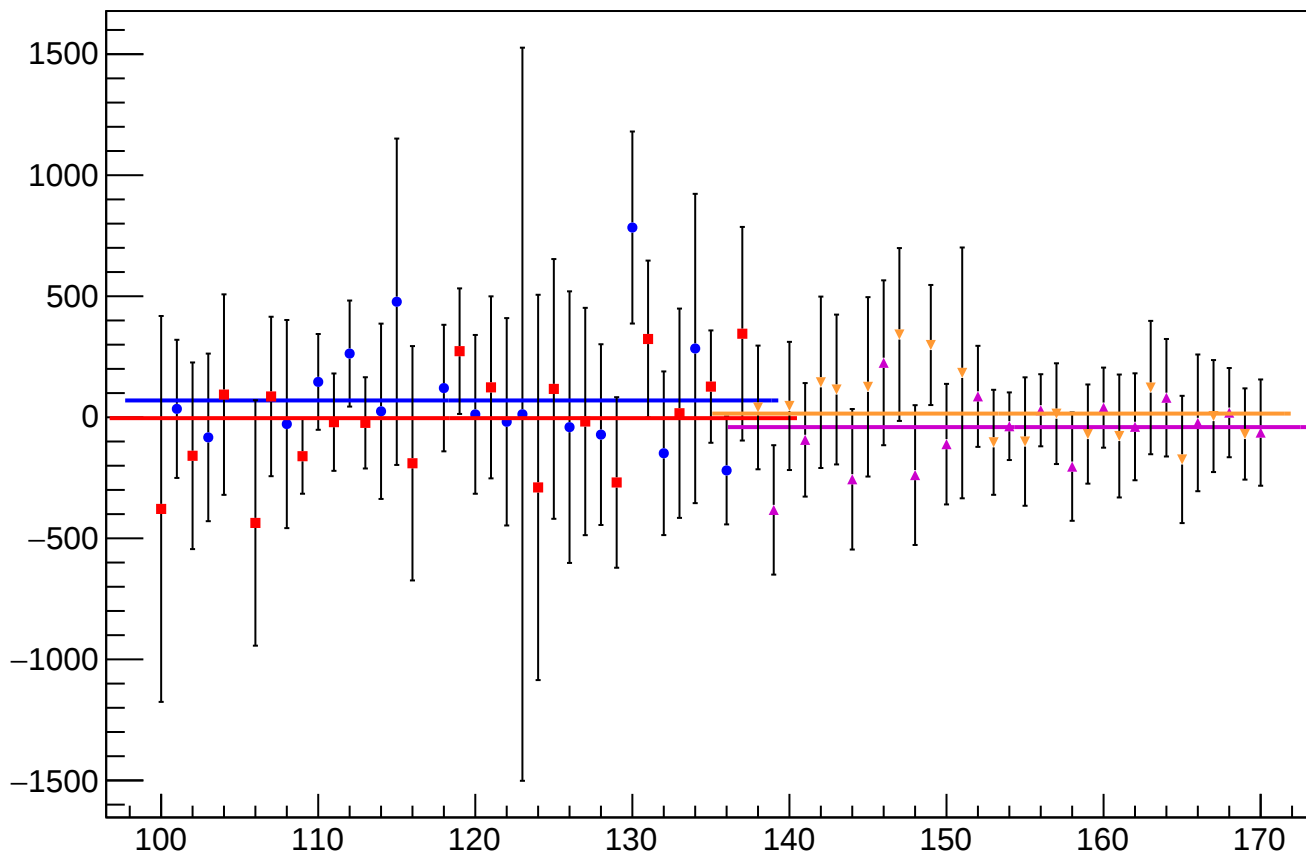
Left In: 2541.820+/-0.517 χ^2/NDF : 453431.1/15

+ sign 2550.460+/-0.413 χ^2/NDF : 551468.2/33

All: 2529.432+/-0.289 χ^2/NDF : 1170195.5/68

- sign 2509.120+/-0.406 χ^2/NDF : 613625.7/34

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 69.587+/-79.023 χ^2/NDF : 7.3/16

Left Out: 15.298+/-62.559 χ^2/NDF : 4.3/16

Right Out: -3.562+/-69.980 χ^2/NDF : 6.4/18

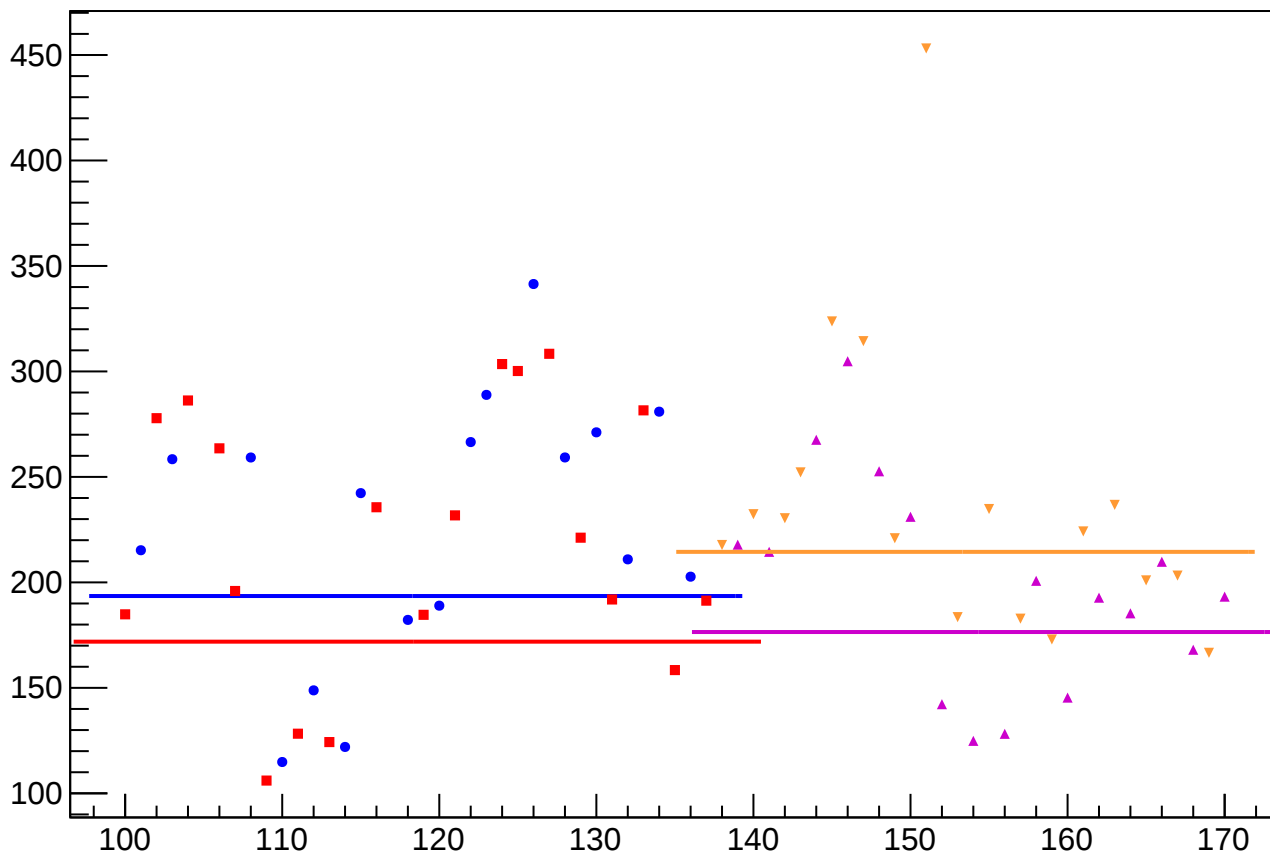
Left In: -40.541+/-52.937 χ^2/NDF : 5.1/15

+ sign 36.214+/-49.049 χ^2/NDF : 11.9/33

All: -0.145+/-31.998 χ^2/NDF : 24.5/68

- sign -27.082+/-42.218 χ^2/NDF : 11.7/34

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.533 $\pm$ 0.056 χ^2 /NDF: 1010428.2/16

Left Out: 214.470 $\pm$ 0.044 χ^2 /NDF: 1135091.9/16

Right Out: 171.901 $\pm$ 0.049 χ^2 /NDF: 1576883.7/18

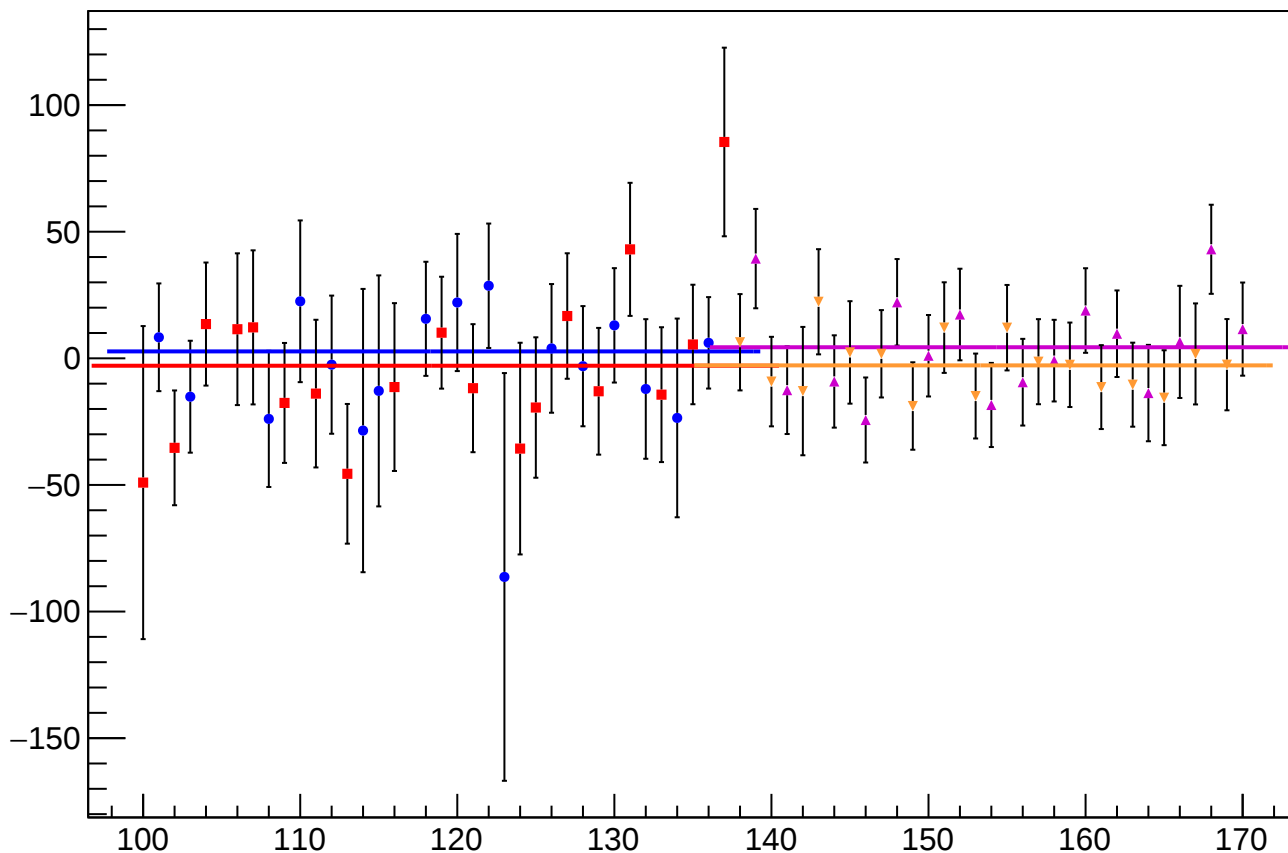
Left In: 176.469 $\pm$ 0.037 χ^2 /NDF: 1505446.4/15

+ sign 206.403 $\pm$ 0.035 χ^2 /NDF: 2231821.7/33

All: 188.253 $\pm$ 0.023 χ^2 /NDF: 5796340.2/68

- sign 174.806 $\pm$ 0.030 χ^2 /NDF: 3087750.5/34

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.733 $\pm$ 6.424 χ^2 /NDF: 6.8/16

Left Out: -2.787 $\pm$ 4.383 χ^2 /NDF: 6.0/16

Right Out: -2.928 $\pm$ 6.279 χ^2 /NDF: 17.8/18

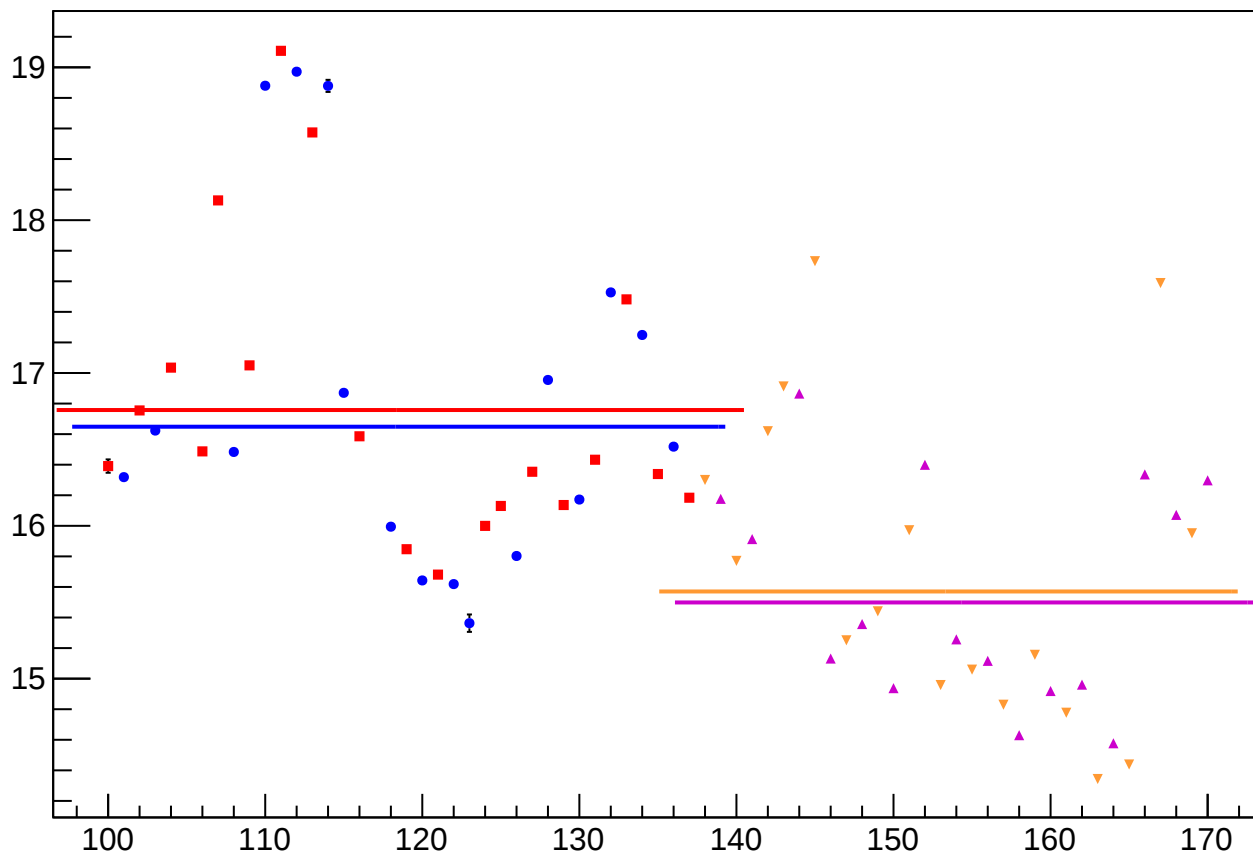
Left In: 4.377 $\pm$ 4.397 χ^2 /NDF: 18.6/15

+ sign -1.033 $\pm$ 3.621 χ^2 /NDF: 13.3/33

All: 0.478 $\pm$ 2.553 χ^2 /NDF: 50.9/68

- sign 1.973 $\pm$ 3.602 χ^2 /NDF: 37.3/34

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.649 $\pm$ 0.005 χ^2 /NDF: 42566.9/16

Left Out: 15.570 $\pm$ 0.003 χ^2 /NDF: 93412.2/16

Right Out: 16.758 $\pm$ 0.004 χ^2 /NDF: 39950.7/18

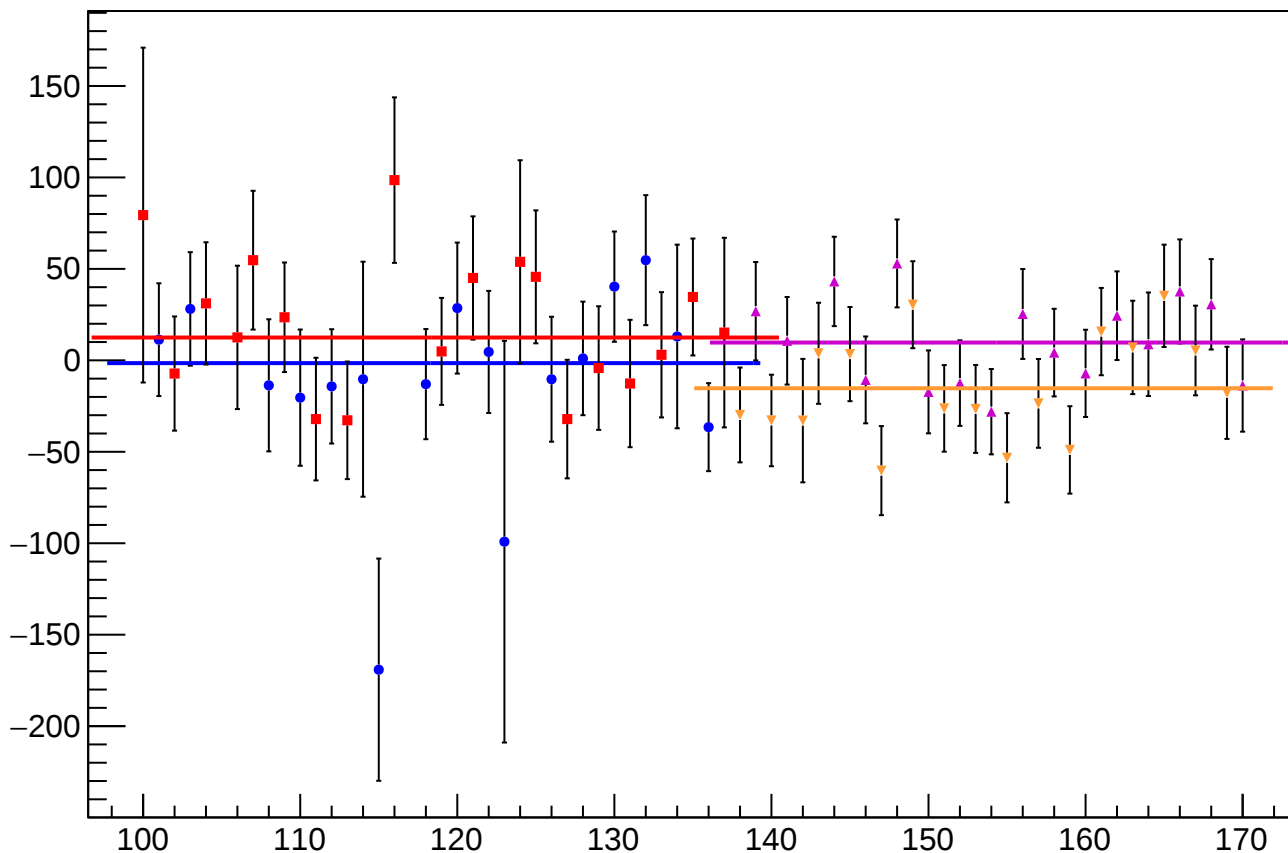
Left In: 15.499 $\pm$ 0.003 χ^2 /NDF: 48326.0/15

+ sign 15.913 $\pm$ 0.003 χ^2 /NDF: 174410.1/33

All: 15.913 $\pm$ 0.002 χ^2 /NDF: 316652.5/68

- sign 15.913 $\pm$ 0.003 χ^2 /NDF: 142242.3/34

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.523 ± 8.485 χ^2/NDF : 17.6/16

Left Out: -15.265 ± 6.121 χ^2/NDF : 20.6/16

Right Out: 12.475 ± 8.210 χ^2/NDF : 15.6/18

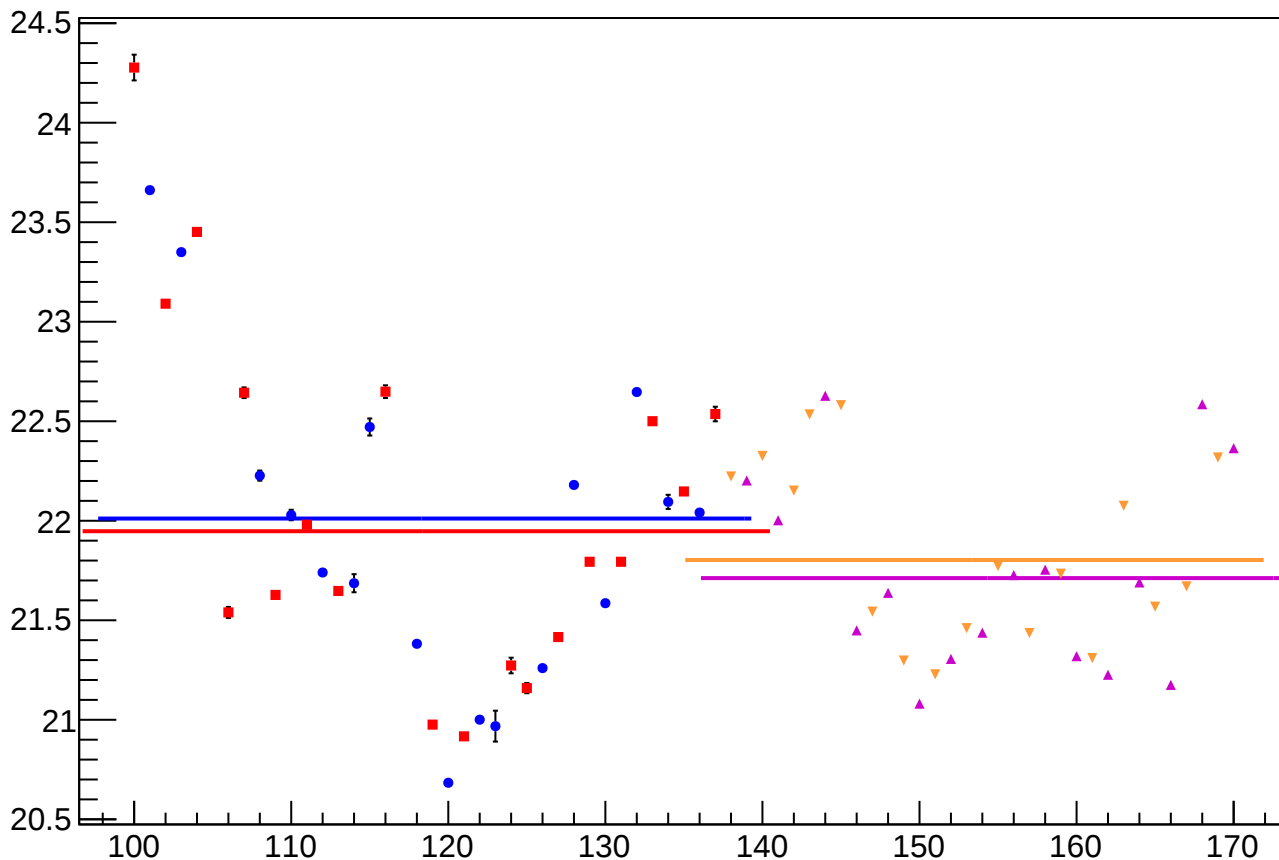
Left In: 9.722 ± 6.147 χ^2/NDF : 15.1/15

+ sign -10.561 ± 4.964 χ^2/NDF : 40.0/33

All: 0.169 ± 3.495 χ^2/NDF : 80.0/68

- sign 10.711 ± 4.921 χ^2/NDF : 30.7/34

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.011 $\pm$ 0.006 χ^2 /NDF: 17546.9/16

Left Out: 21.803 $\pm$ 0.004 χ^2 /NDF: 10143.8/16

Right Out: 21.947 $\pm$ 0.006 χ^2 /NDF: 16592.7/18

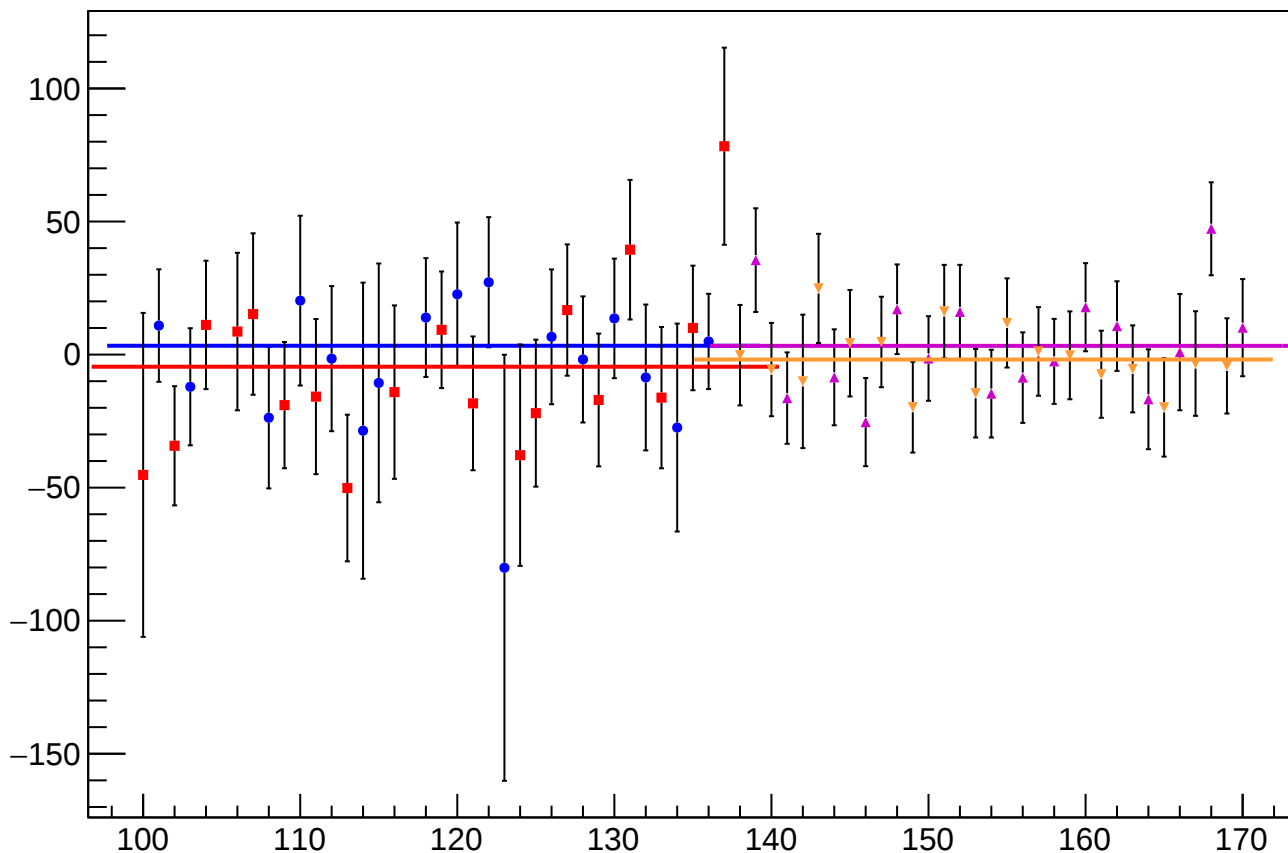
Left In: 21.712 $\pm$ 0.004 χ^2 /NDF: 12362.9/15

+ sign 21.874 $\pm$ 0.004 χ^2 /NDF: 28483.6/33

All: 21.835 $\pm$ 0.002 χ^2 /NDF: 58741.2/68

- sign 21.797 $\pm$ 0.003 χ^2 /NDF: 30010.7/34

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.317 ± 6.388 χ^2/NDF : 6.3/16

Left Out: -1.850 ± 4.334 χ^2/NDF : 6.7/16

Right Out: -4.561 ± 6.244 χ^2/NDF : 17.7/18

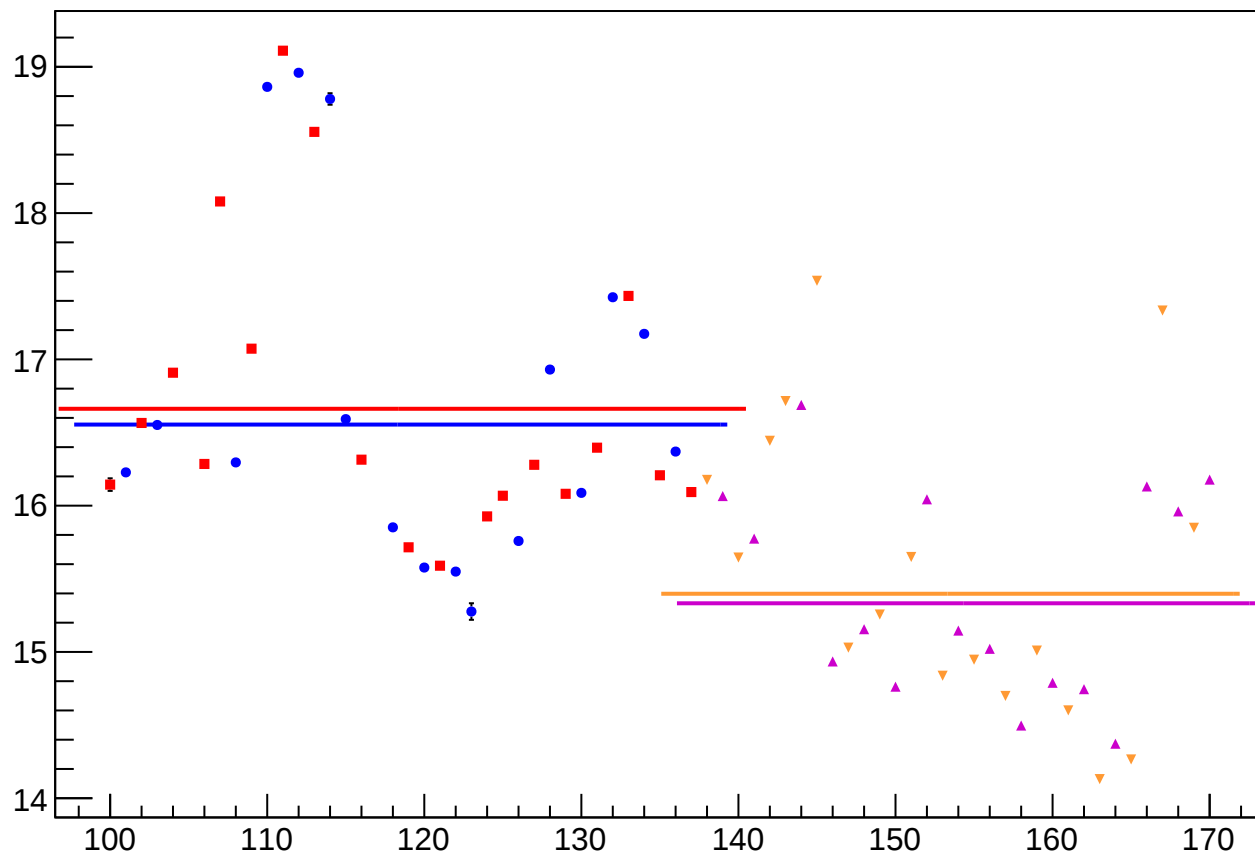
Left In: 3.280 ± 4.350 χ^2/NDF : 19.1/15

+ sign -0.221 ± 3.587 χ^2/NDF : 13.4/33

All: 0.251 ± 2.530 χ^2/NDF : 51.4/68

- sign 0.718 ± 3.569 χ^2/NDF : 37.9/34

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.554 $\pm$ 0.005 χ^2 /NDF: 44475.2/16

Left Out: 15.398 $\pm$ 0.003 χ^2 /NDF: 93151.0/16

Right Out: 16.662 $\pm$ 0.004 χ^2 /NDF: 43063.6/18

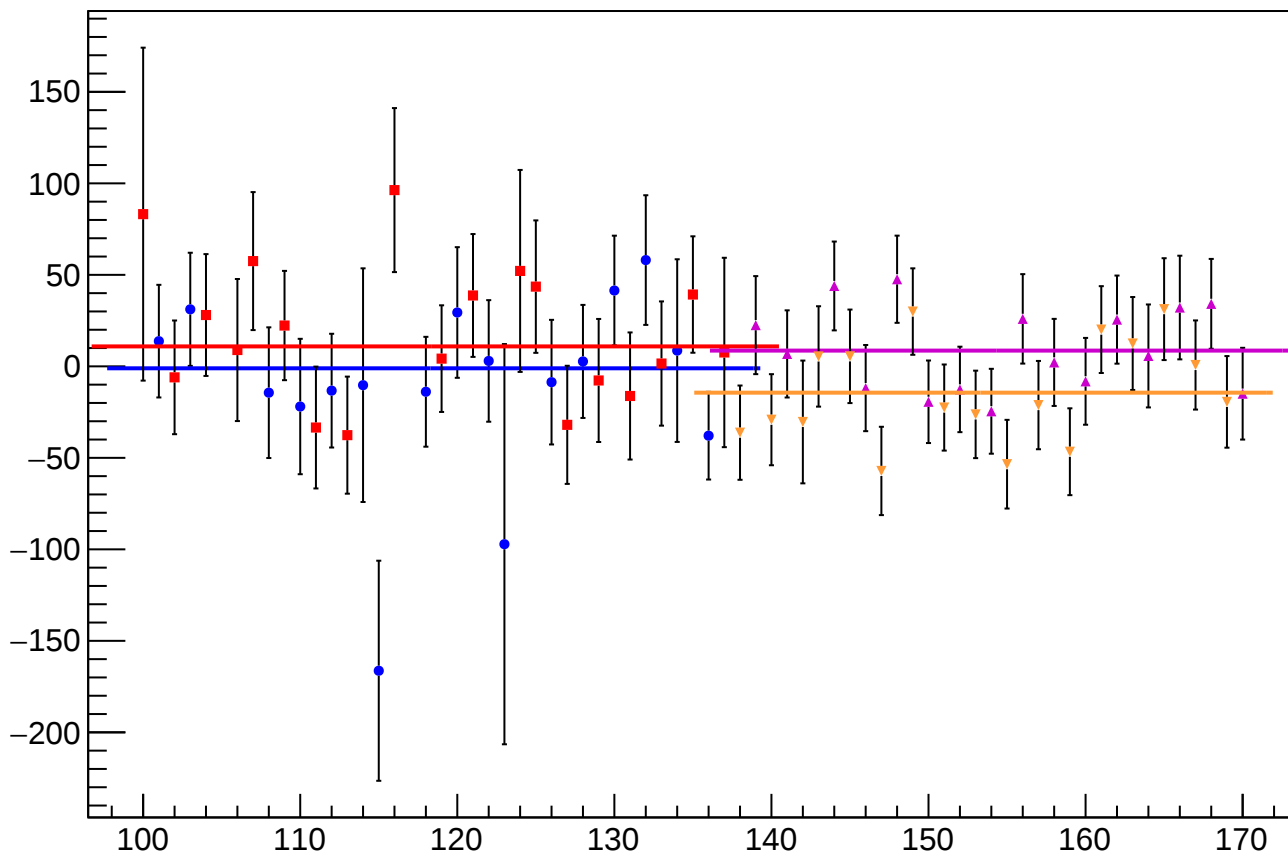
Left In: 15.333 $\pm$ 0.003 χ^2 /NDF: 48405.3/15

+ sign 15.762 $\pm$ 0.003 χ^2 /NDF: 182520.5/33

All: 15.765 $\pm$ 0.002 χ^2 /NDF: 335062.3/68

- sign 15.767 $\pm$ 0.003 χ^2 /NDF: 152540.0/34

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.068 ± 8.444 χ^2/NDF : 18.5/16

Left Out: -14.384 ± 6.082 χ^2/NDF : 20.3/16

Right Out: 10.900 ± 8.169 χ^2/NDF : 16.2/18

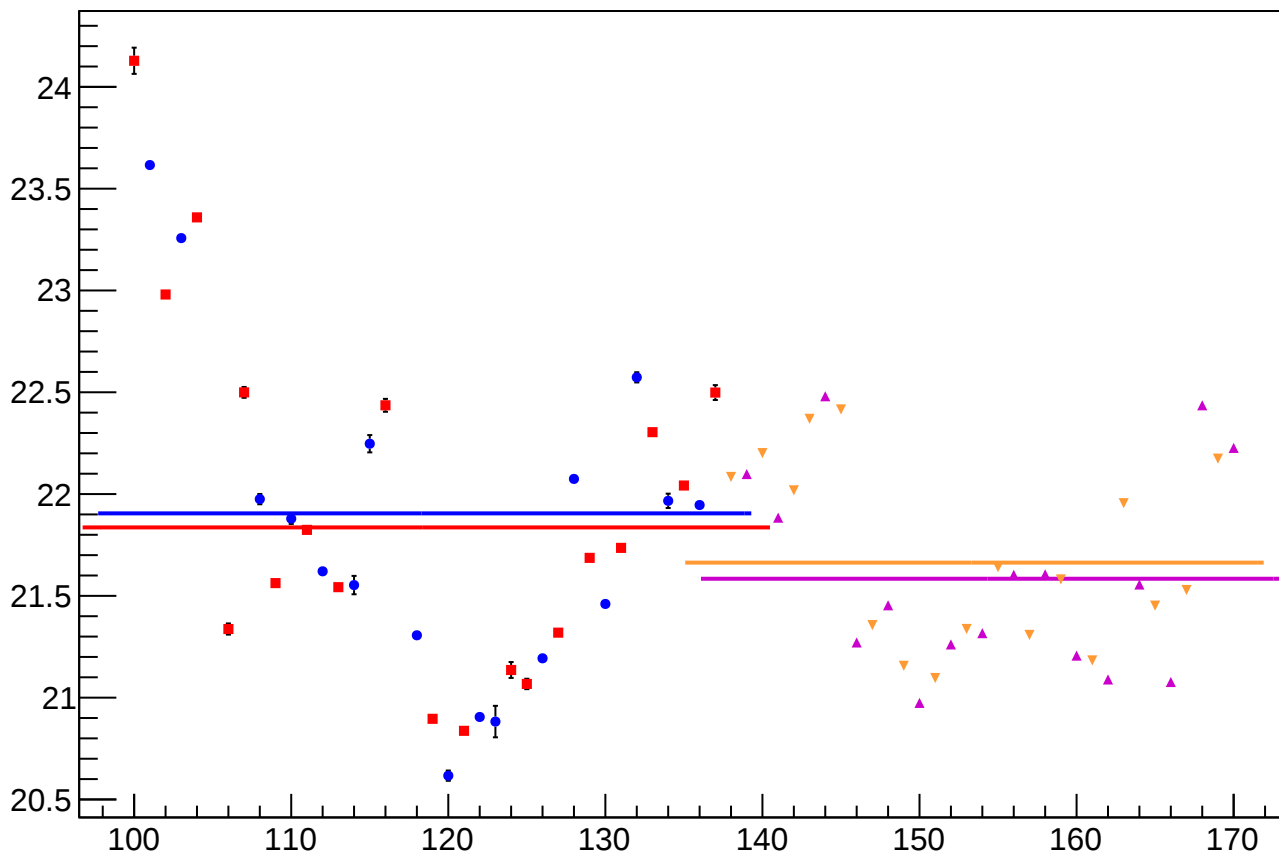
Left In: 8.606 ± 6.110 χ^2/NDF : 14.5/15

+ sign -9.836 ± 4.935 χ^2/NDF : 40.4/33

All: -0.121 ± 3.475 χ^2/NDF : 78.9/68

- sign 9.429 ± 4.893 χ^2/NDF : 30.8/34

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.905 ± 0.006 $\chi^2/\text{NDF}: 17794.2/16$

Left Out: 21.663 ± 0.004 $\chi^2/\text{NDF}: 10080.0/16$

Right Out: 21.836 ± 0.006 $\chi^2/\text{NDF}: 16251.2/18$

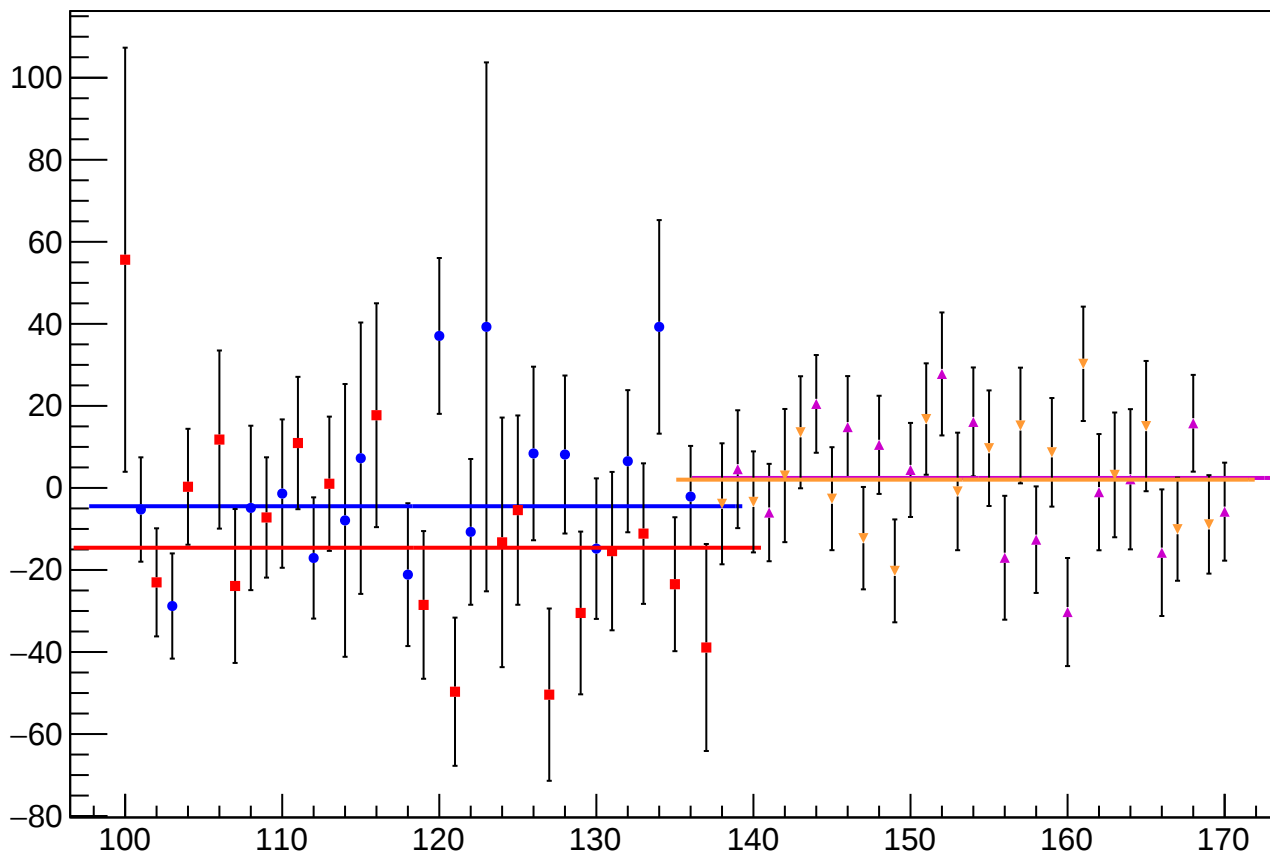
Left In: 21.584 ± 0.004 $\chi^2/\text{NDF}: 12024.3/15$

+ sign 21.746 ± 0.003 $\chi^2/\text{NDF}: 28954.9/33$

All: 21.710 ± 0.002 $\chi^2/\text{NDF}: 58663.2/68$

- sign 21.675 ± 0.003 $\chi^2/\text{NDF}: 29497.3/34$

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.461 ± 4.329 χ^2/NDF : 15.2/16

Left Out: 2.015 ± 3.293 χ^2/NDF : 14.8/16

Right Out: -14.579 ± 4.264 χ^2/NDF : 19.5/18

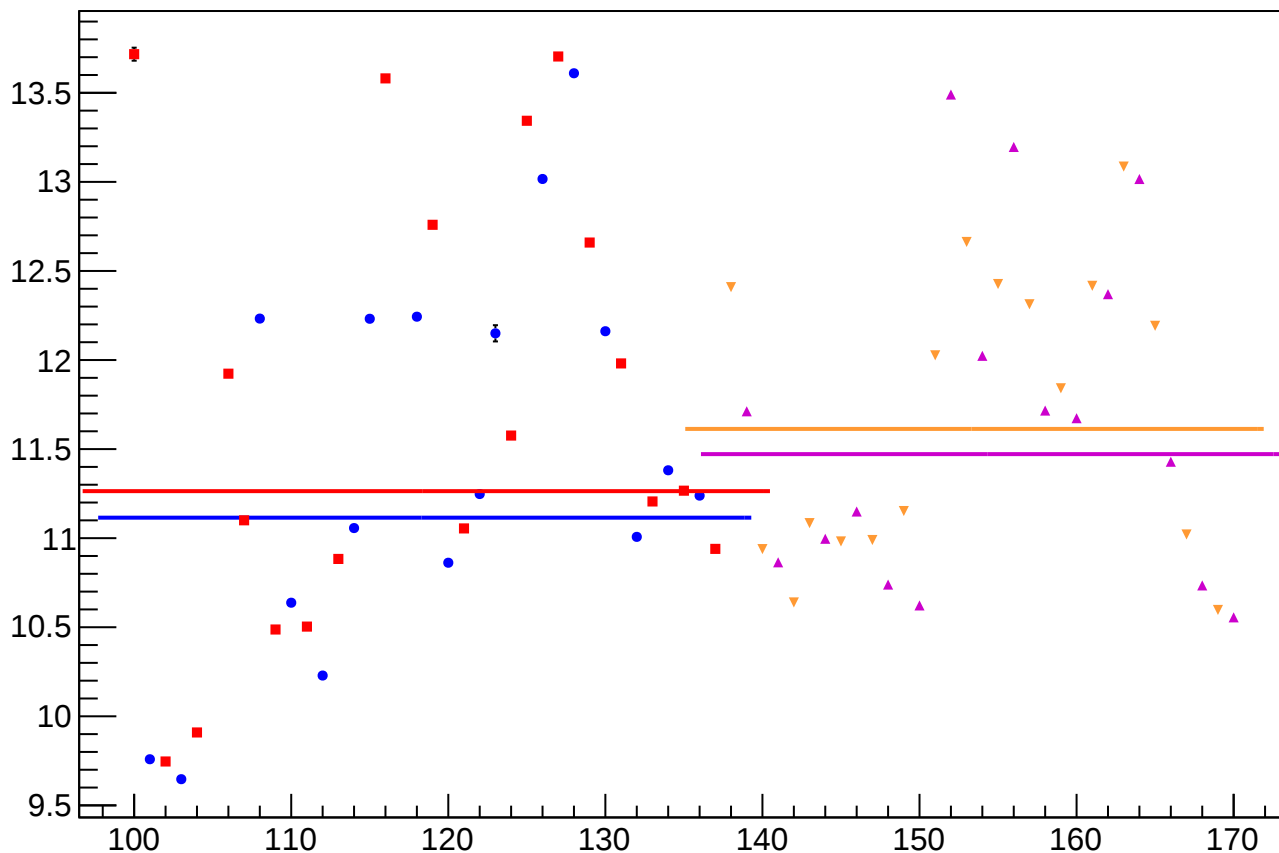
Left In: 2.433 ± 3.279 χ^2/NDF : 20.6/15

+ sign -0.358 ± 2.621 χ^2/NDF : 31.5/33

All: -2.138 ± 1.845 χ^2/NDF : 82.5/68

- sign -3.888 ± 2.599 χ^2/NDF : 50.1/34

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.115 $\pm$ 0.003 χ^2 /NDF: 133059.3/16

Left Out: 11.613 $\pm$ 0.002 χ^2 /NDF:106375.1/16

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

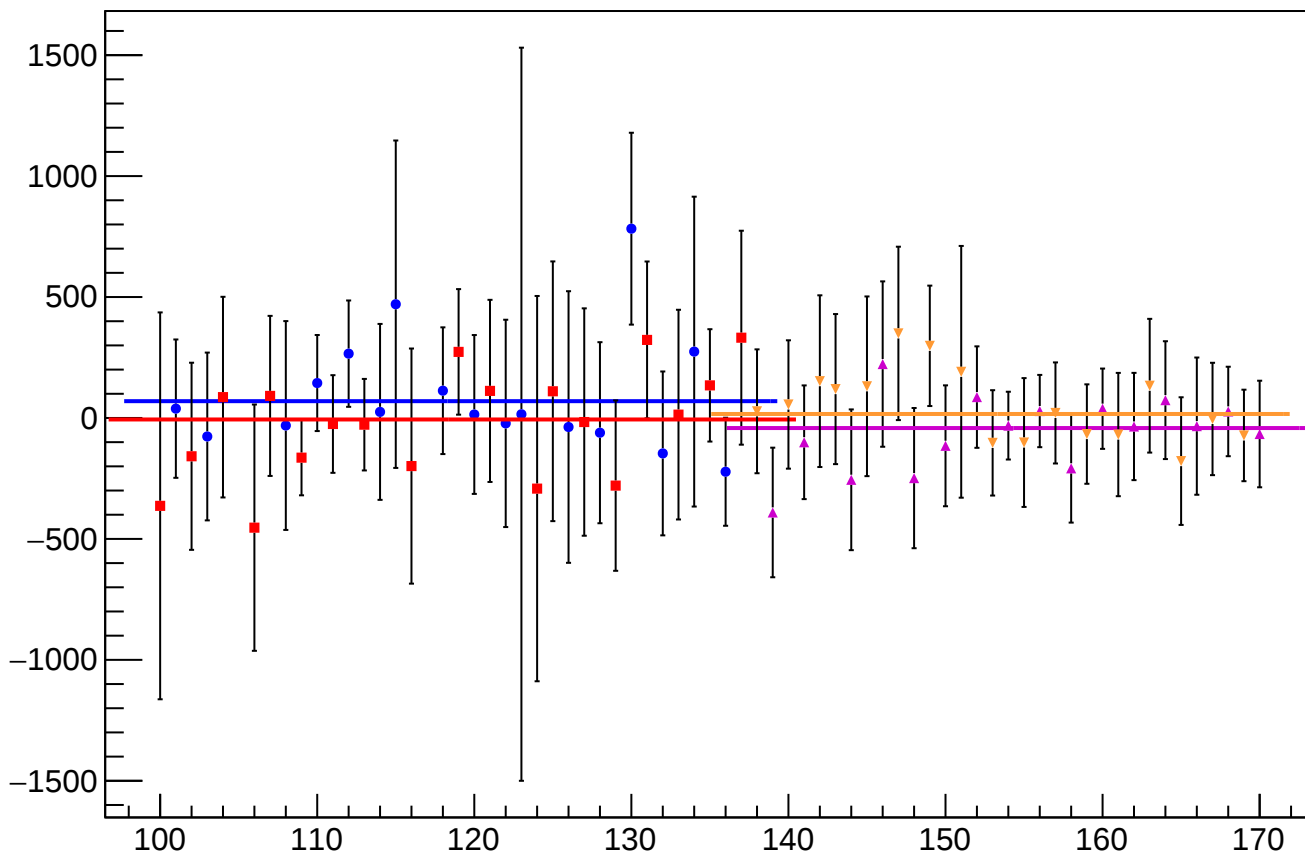
Left In: 11.472 $\pm$ 0.002 χ^2 /NDF:139697.8/15

+ sign 11.431 $\pm$ 0.002 χ^2 /NDF: 256218.6/33

All: 11.412 $\pm$ 0.001 χ^2 /NDF: 546577.1/68

- sign 11.395 $\pm$ 0.002 χ^2 /NDF: 290167.3/34

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 69.470 ± 79.231 χ^2/NDF : 7.3/16

Left Out: 16.501 ± 62.777 χ^2/NDF : 4.4/16

Right Out: -6.194 ± 70.182 χ^2/NDF : 6.5/18

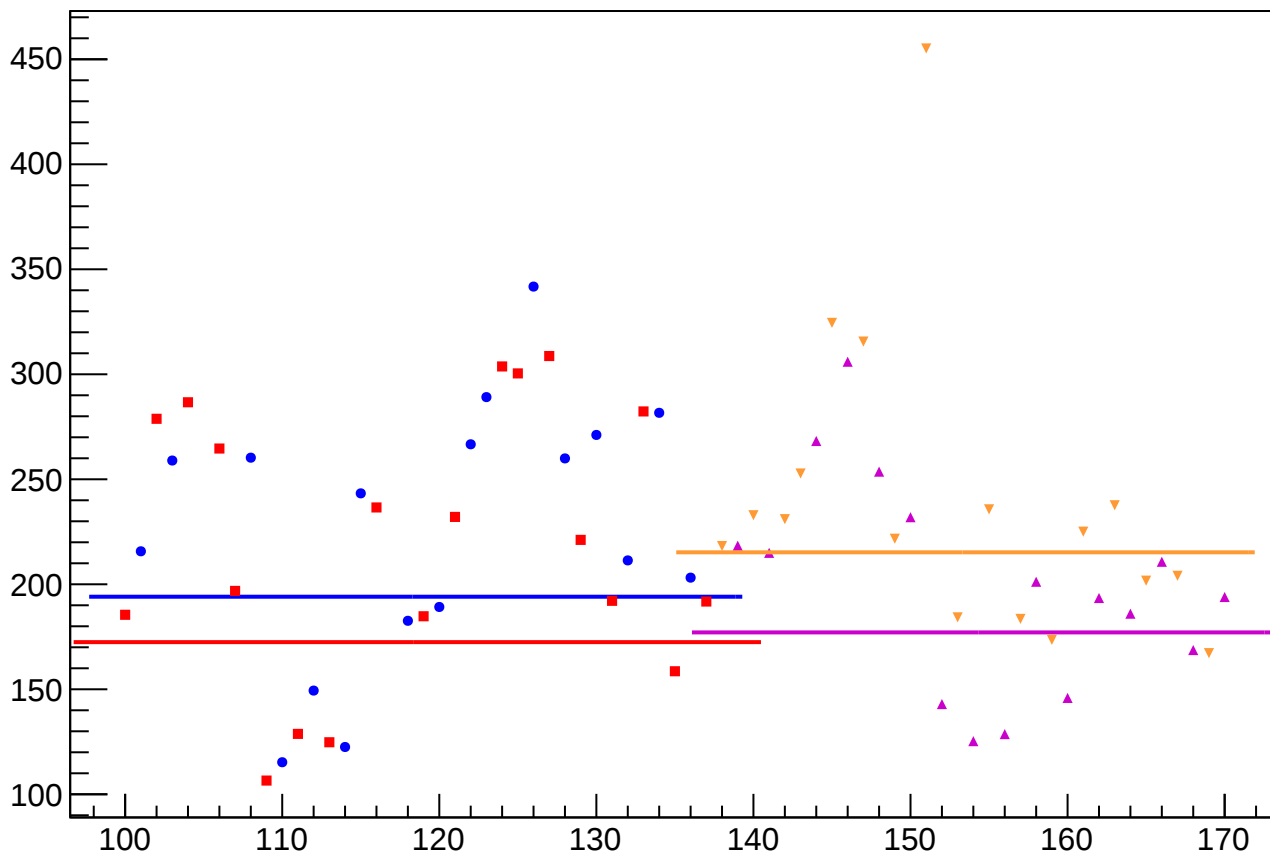
Left In: -41.650 ± 53.119 χ^2/NDF : 5.3/15

+ sign 36.930 ± 49.204 χ^2/NDF : 11.9/33

All: -0.788 ± 32.100 χ^2/NDF : 24.8/68

- sign -28.737 ± 42.355 χ^2/NDF : 11.9/34

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.082 $\pm$ 0.056 χ^2 /NDF: 1005395.7/16

Left Out: 215.222 $\pm$ 0.044 χ^2 /NDF:1134138.0/16

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

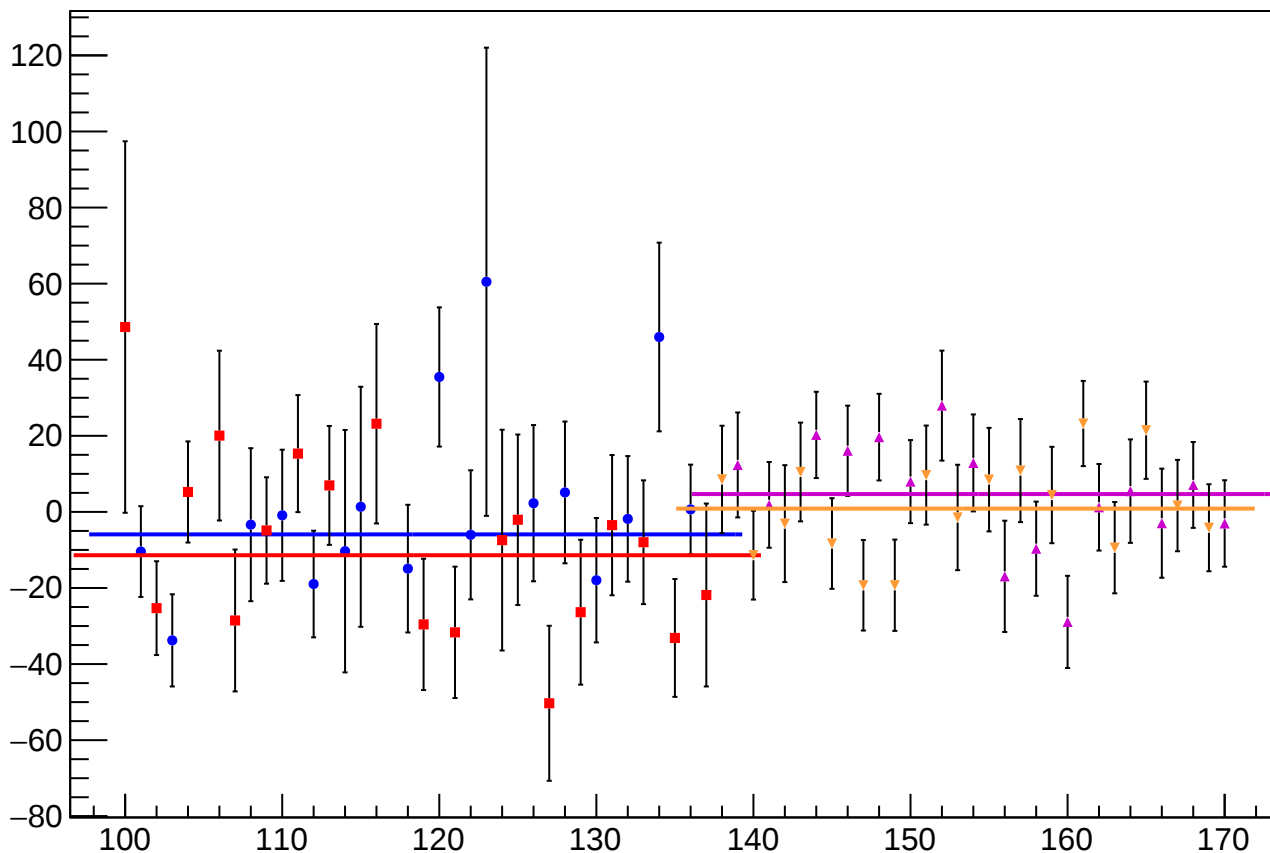
Left In: 177.083 $\pm$ 0.038 χ^2 /NDF:1503574.3/15

+ sign 207.069 $\pm$ 0.035 χ^2 /NDF: 2227008.2/33

All: 188.877 $\pm$ 0.023 χ^2 /NDF: 5781567.9/68

- sign 175.396 $\pm$ 0.030 χ^2 /NDF: 3078575.6/34

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.912 ± 4.133 χ^2/NDF : 18.8/16

Left Out: 0.866 ± 3.052 χ^2/NDF : 17.2/16

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

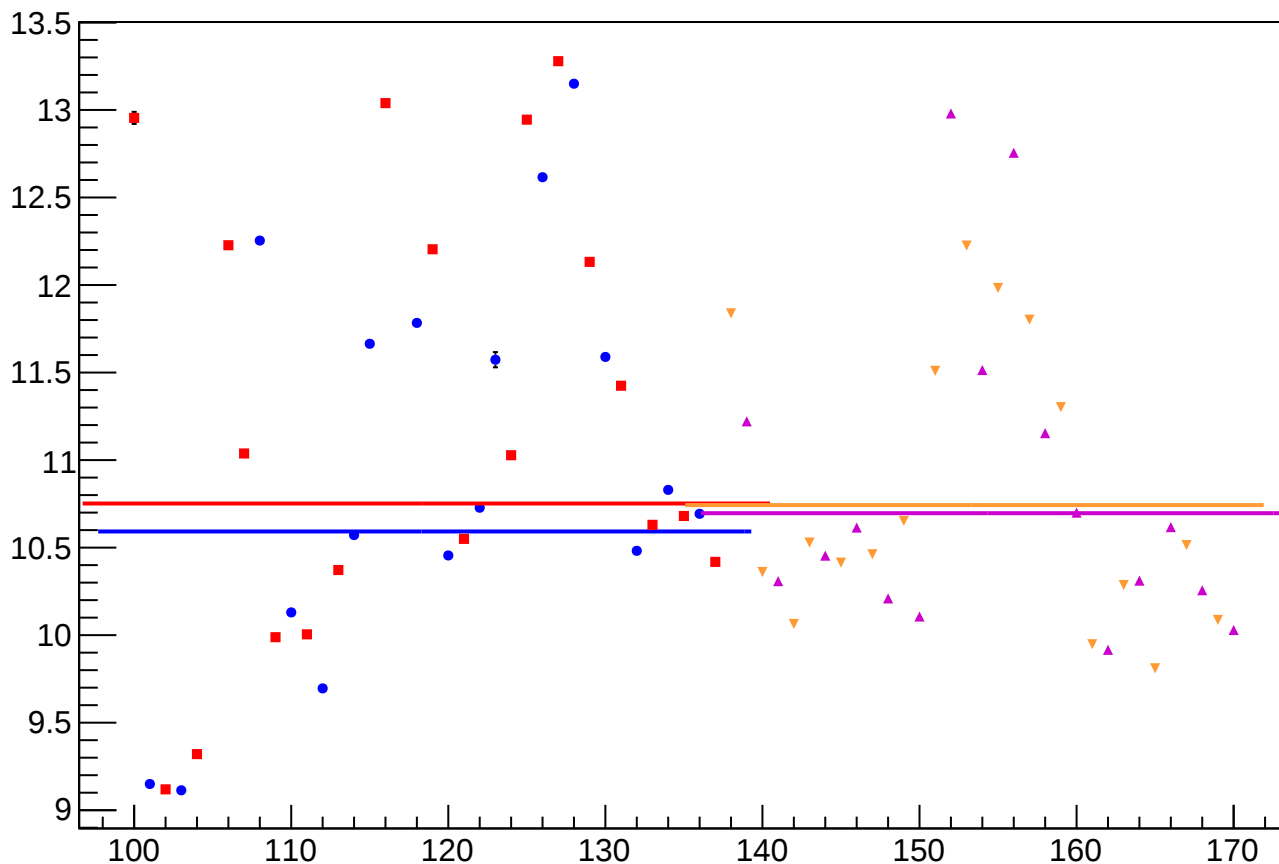
Left In: 4.686 ± 3.061 χ^2/NDF : 20.1/15

+ sign -1.525 ± 2.455 χ^2/NDF : 37.8/33

All: -1.316 ± 1.734 χ^2/NDF : 90.7/68

- sign -1.108 ± 2.448 χ^2/NDF : 52.9/34

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592 ± 0.003 χ^2/NDF : 160397.9/16

Left Out: 10.743 ± 0.002 χ^2/NDF : 114871.3/16

Right Out: 10.752 ± 0.003 χ^2/NDF : 176895.3/18

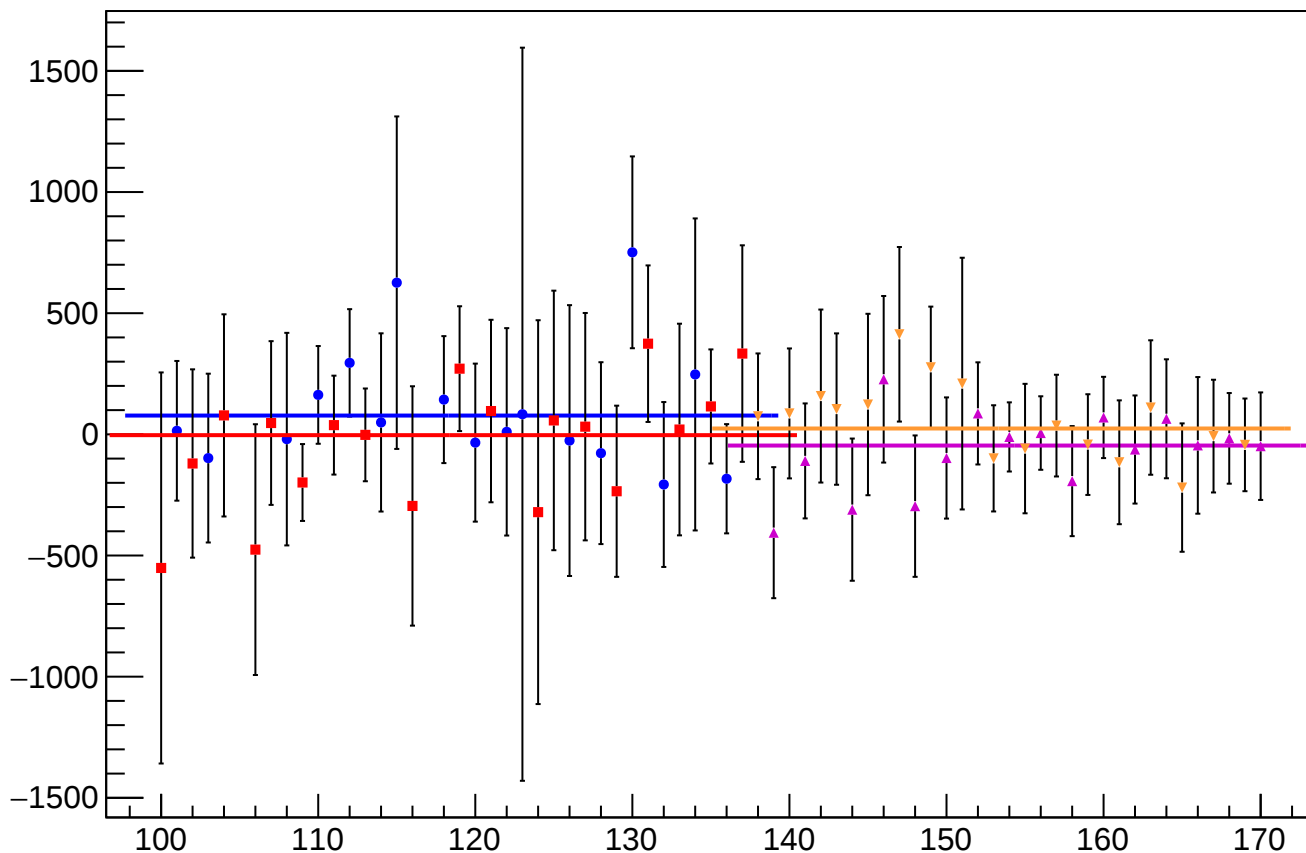
Left In: 10.697 ± 0.002 χ^2/NDF : 137338.1/15

+ sign 10.690 ± 0.002 χ^2/NDF : 276990.0/33

All: 10.703 ± 0.001 χ^2/NDF : 591578.8/68

- sign 10.717 ± 0.002 χ^2/NDF : 314469.1/34

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 77.589+/-79.751 χ^2/NDF : 7.6/16

Left Out: 24.165+/-63.192 χ^2/NDF : 4.6/16

Right Out: -3.305+/-70.855 χ^2/NDF : 7.4/18

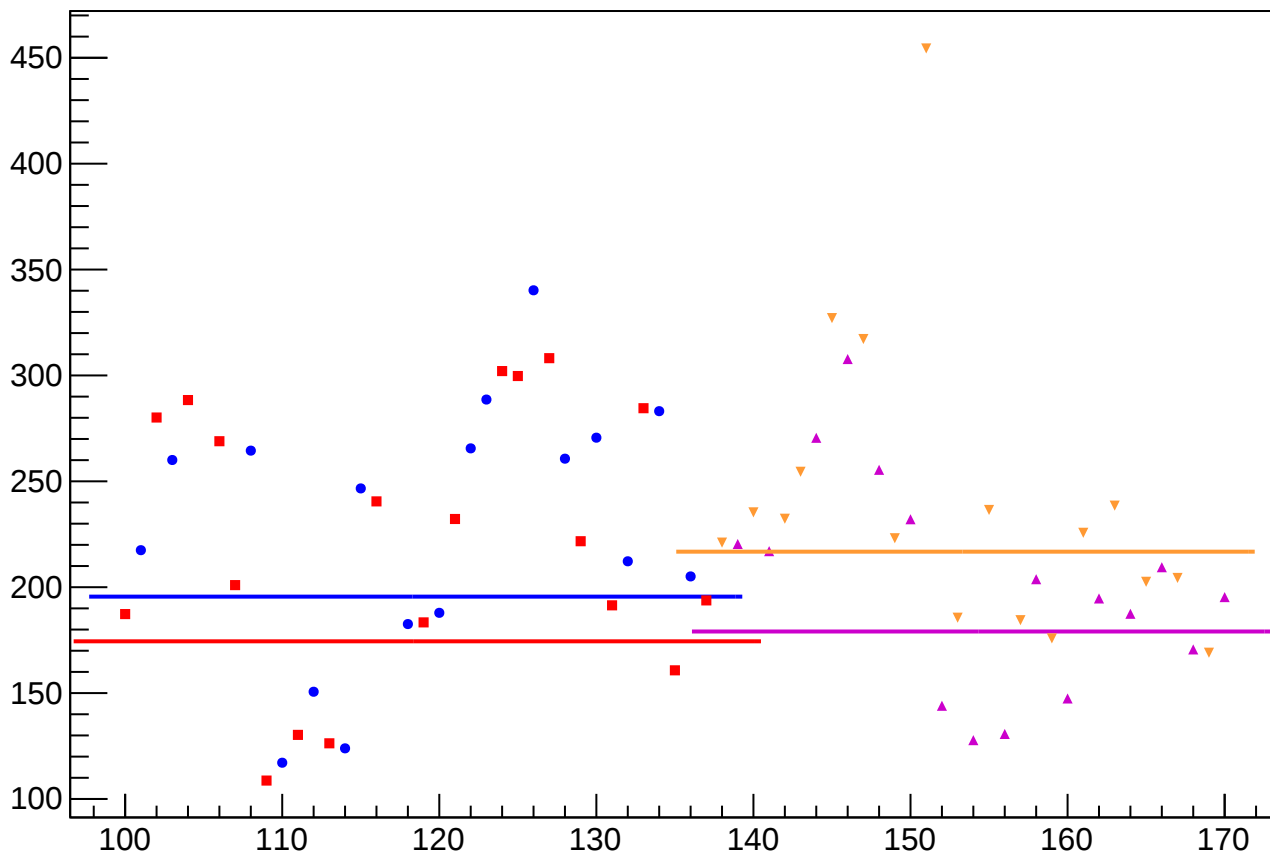
Left In: -46.189+/-53.647 χ^2/NDF : 5.8/15

+ sign 44.770+/-49.529 χ^2/NDF : 12.4/33

All: 1.618+/-32.371 χ^2/NDF : 27.1/68

- sign -30.563+/-42.771 χ^2/NDF : 13.4/34

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.551 $\pm$ 0.056 χ^2 /NDF: 979937.7/16

Left Out: 216.782 $\pm$ 0.045 χ^2 /NDF: 1119278.5/16

Right Out: 174.449 $\pm$ 0.050 χ^2 /NDF: 1528629.1/18

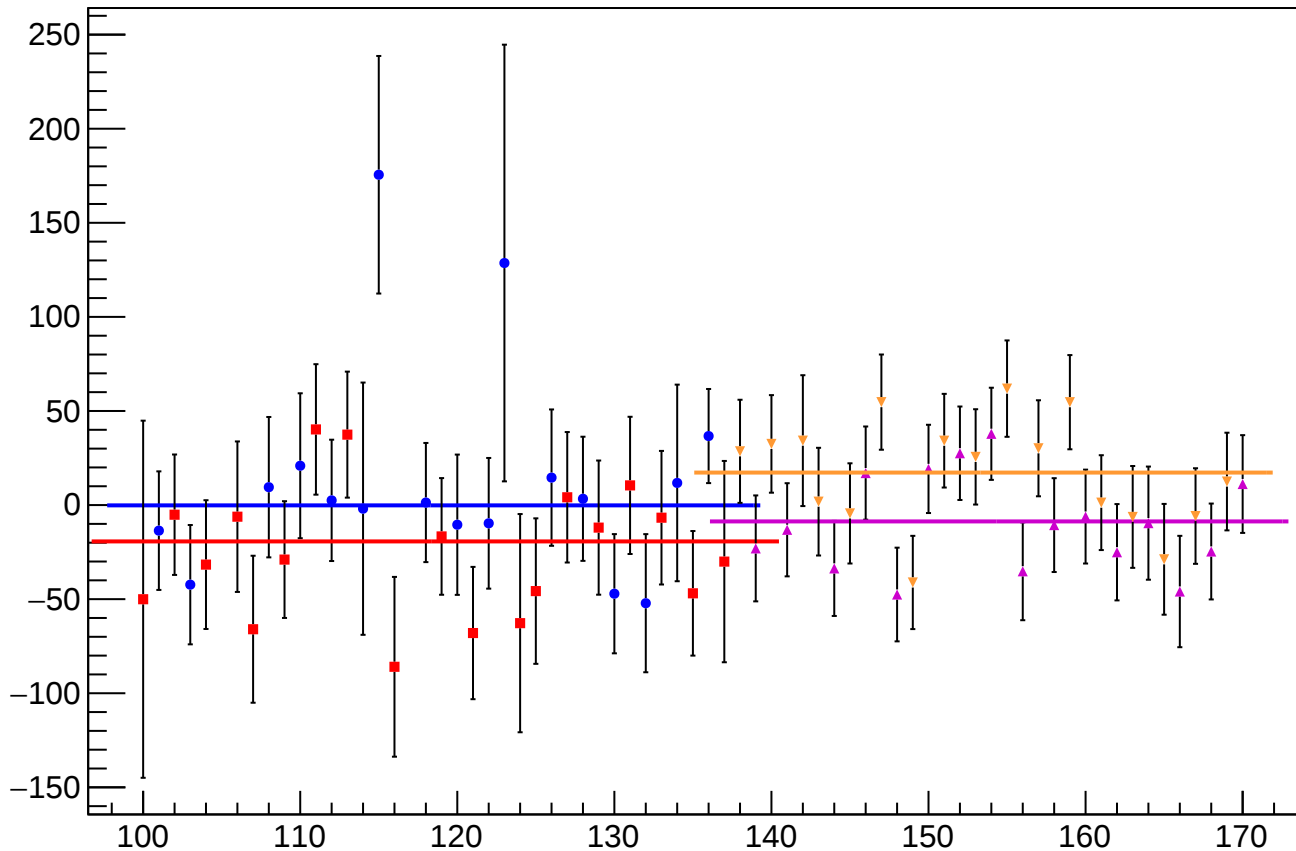
Left In: 179.084 $\pm$ 0.038 χ^2 /NDF: 1461484.7/15

+ sign 208.593 $\pm$ 0.035 χ^2 /NDF: 2186288.0/33

All: 190.722 $\pm$ 0.023 χ^2 /NDF: 5636404.7/68

- sign 177.395 $\pm$ 0.030 χ^2 /NDF: 2995553.3/34

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.158 ± 8.826 χ^2/NDF : 18.1/16

Left Out: 17.271 ± 6.398 χ^2/NDF : 20.0/16

Right Out: -19.316 ± 8.554 χ^2/NDF : 14.8/18

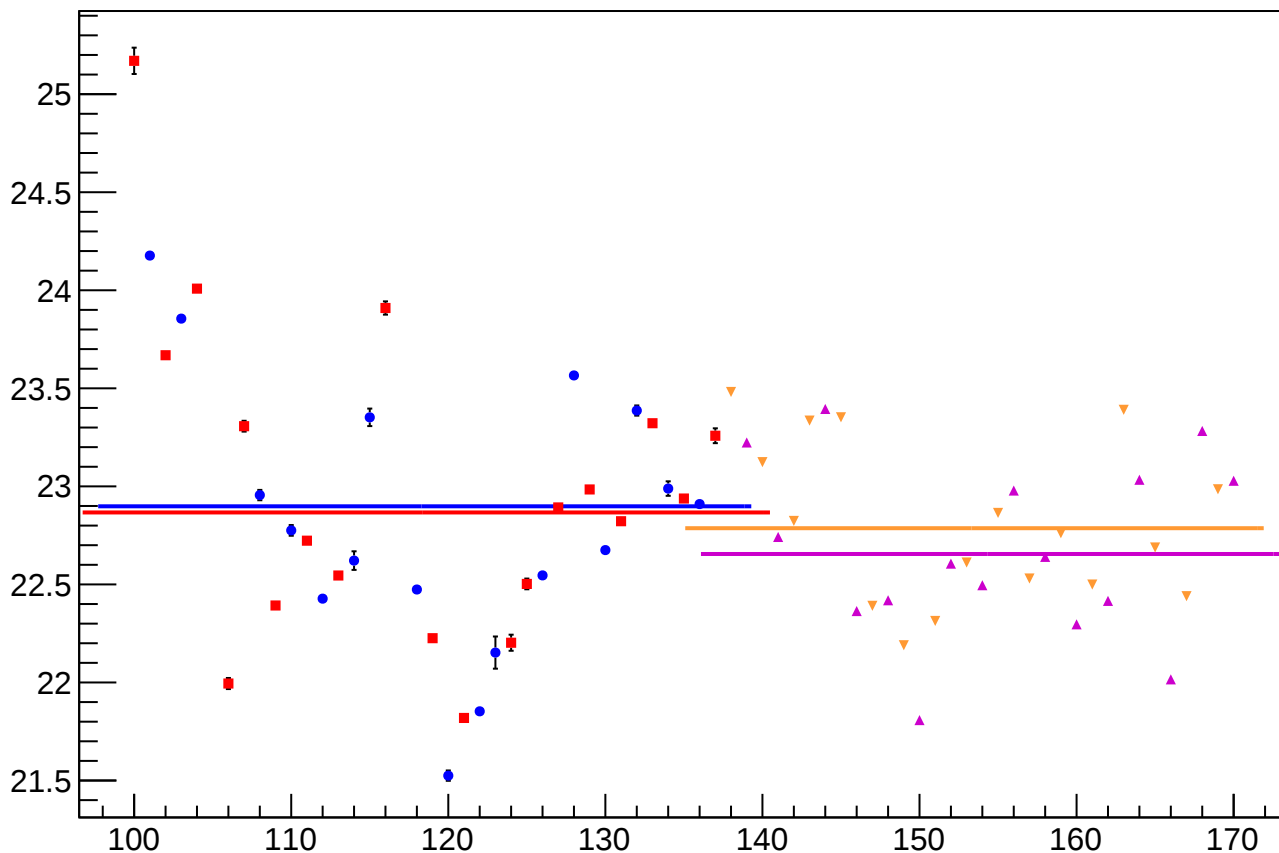
Left In: -8.690 ± 6.414 χ^2/NDF : 16.0/15

+ sign 11.267 ± 5.180 χ^2/NDF : 40.6/33

All: -0.736 ± 3.646 χ^2/NDF : 83.0/68

- sign -12.515 ± 5.132 χ^2/NDF : 31.8/34

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.898 ± 0.006 $\chi^2/\text{NDF}: 12143.3/16$

Left Out: 22.787 ± 0.005 $\chi^2/\text{NDF}: 7722.6/16$

Right Out: 22.867 ± 0.006 $\chi^2/\text{NDF}: 11048.4/18$

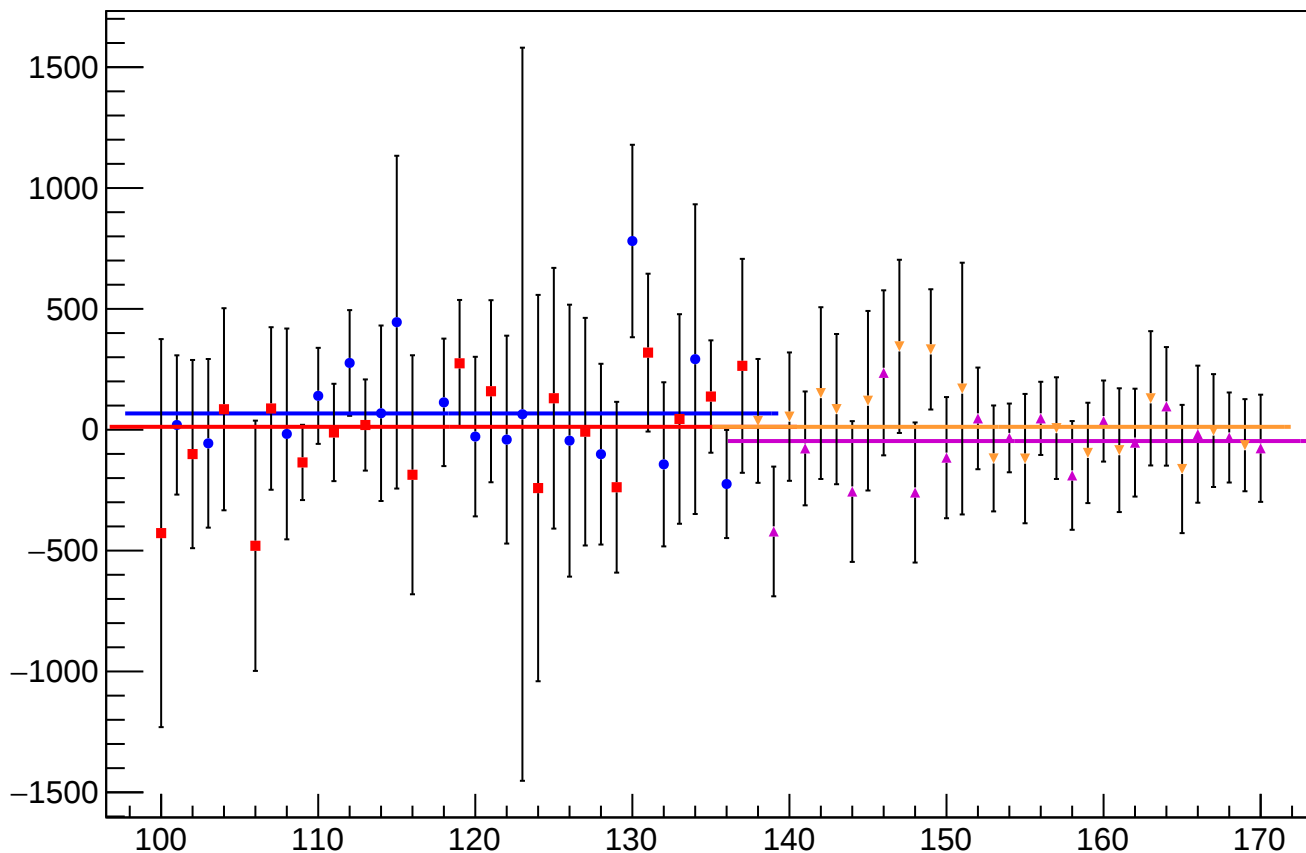
Left In: 22.655 ± 0.005 $\chi^2/\text{NDF}: 9488.5/15$

+ sign 22.825 ± 0.004 $\chi^2/\text{NDF}: 20075.8/33$

All: 22.778 ± 0.003 $\chi^2/\text{NDF}: 41728.2/68$

- sign 22.731 ± 0.004 $\chi^2/\text{NDF}: 21321.9/34$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.449 $\pm$ 79.404 χ^2 /NDF: 7.4/16

Left Out: 12.013 $\pm$ 63.060 χ^2 /NDF: 4.7/16

Right Out: 12.117 $\pm$ 70.355 χ^2 /NDF: 5.8/18

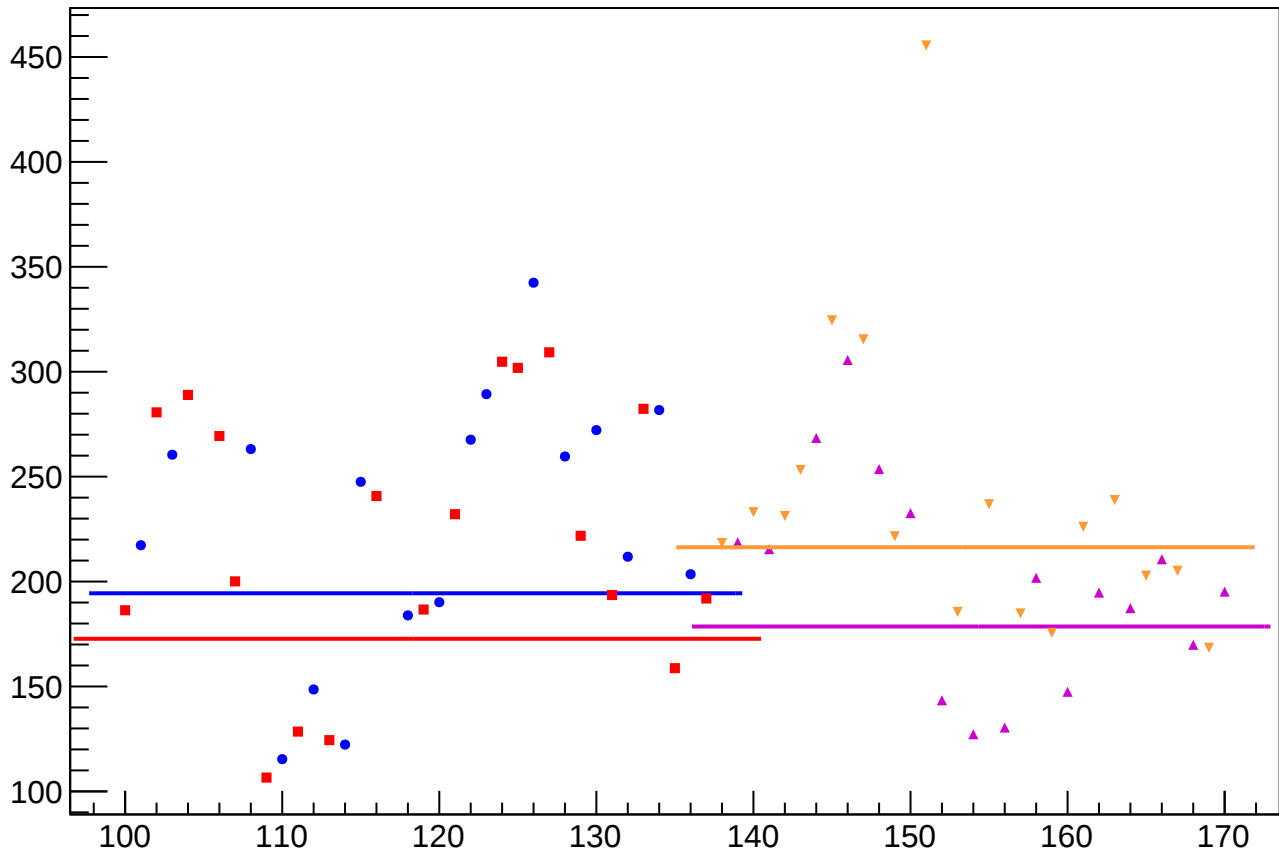
Left In: -46.790 $\pm$ 53.496 χ^2 /NDF: 5.4/15

+ sign 33.454 $\pm$ 49.382 χ^2 /NDF: 12.4/33

All: -0.190 $\pm$ 32.249 χ^2 /NDF: 24.8/68

- sign -25.209 $\pm$ 42.584 χ^2 /NDF: 11.6/34

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.411 $\pm$ 0.056 χ^2 /NDF: 1019913.2/16

Left Out: 216.341 $\pm$ 0.045 χ^2 /NDF: 1110391.5/16

Right Out: 172.730 $\pm$ 0.050 χ^2 /NDF: 1596758.0/18

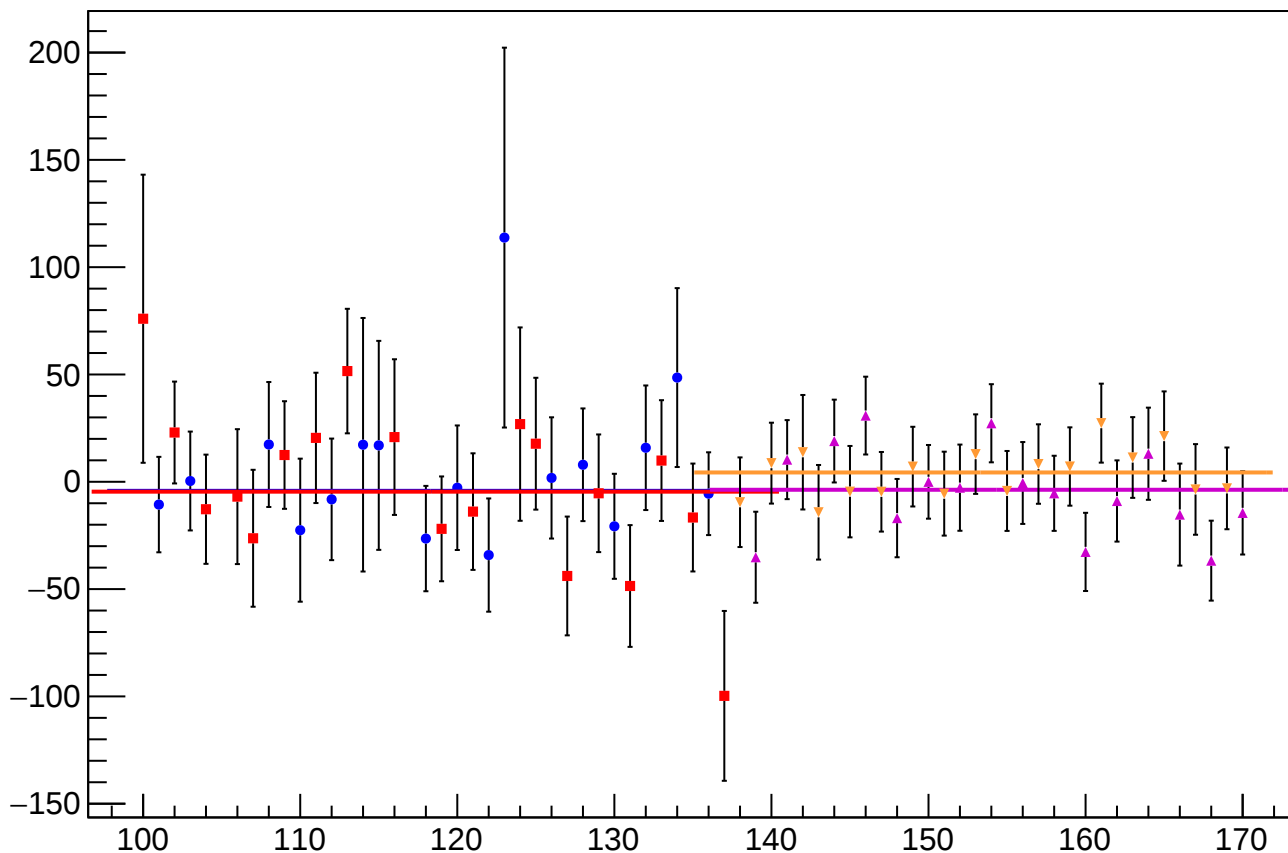
Left In: 178.574 $\pm$ 0.038 χ^2 /NDF: 1451689.3/15

+ sign 207.859 $\pm$ 0.035 χ^2 /NDF: 2223863.9/33

All: 189.836 $\pm$ 0.023 χ^2 /NDF: 5745598.3/68

- sign 176.433 $\pm$ 0.030 χ^2 /NDF: 3057191.0/34

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.223 ± 6.871 χ^2/NDF : 8.0/16

Left Out: 4.344 ± 4.767 χ^2/NDF : 5.2/16

Right Out: -4.599 ± 6.725 χ^2/NDF : 21.1/18

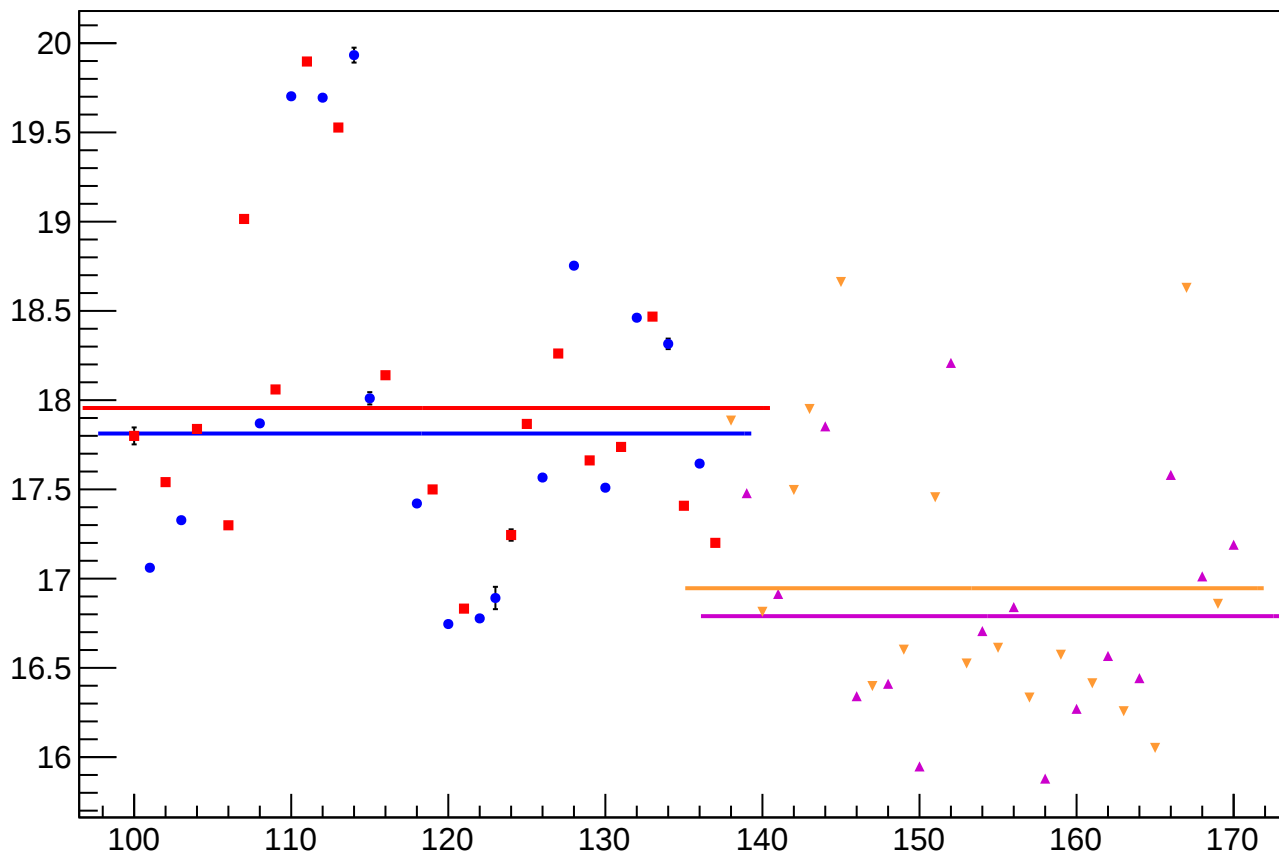
Left In: -3.719 ± 4.762 χ^2/NDF : 18.2/15

+ sign 1.560 ± 3.917 χ^2/NDF : 14.2/33

All: -1.248 ± 2.759 χ^2/NDF : 54.5/68

- sign -4.013 ± 3.887 χ^2/NDF : 39.3/34

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.813 $\pm$ 0.005 χ^2 /NDF: 32034.8/16

Left Out: 16.946 $\pm$ 0.003 χ^2 /NDF: 51423.8/16

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25445.3/18

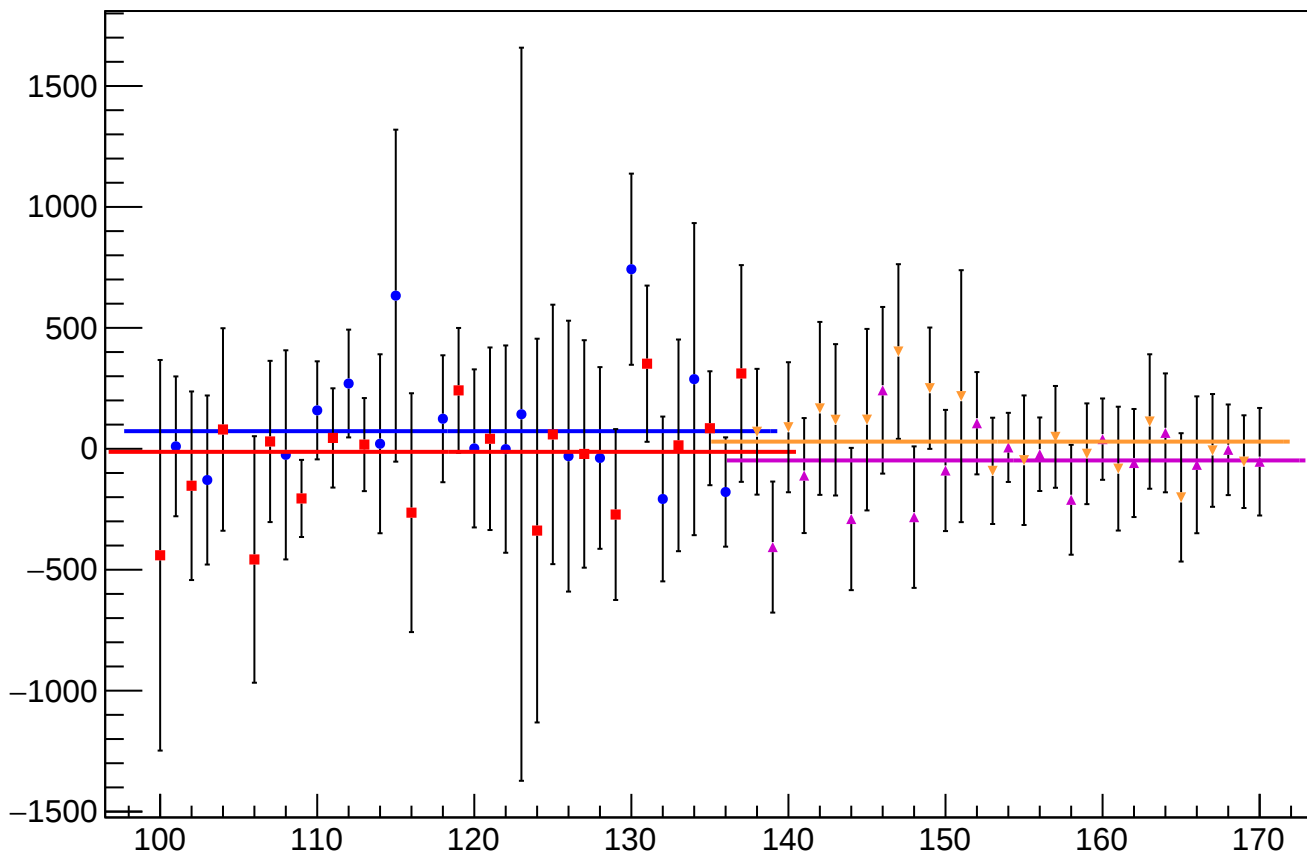
Left In: 16.790 $\pm$ 0.003 χ^2 /NDF: 36403.3/15

+ sign 17.228 $\pm$ 0.003 χ^2 /NDF: 104941.2/33

All: 17.203 $\pm$ 0.002 χ^2 /NDF: 206999.9/68

- sign 17.179 $\pm$ 0.003 χ^2 /NDF: 101903.5/34

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 72.888 $\pm$ 79.948 χ^2 /NDF: 7.2/16

Left Out: 29.724 $\pm$ 63.333 χ^2 /NDF: 4.0/16

Right Out: -12.565 $\pm$ 71.013 χ^2 /NDF: 6.7/18

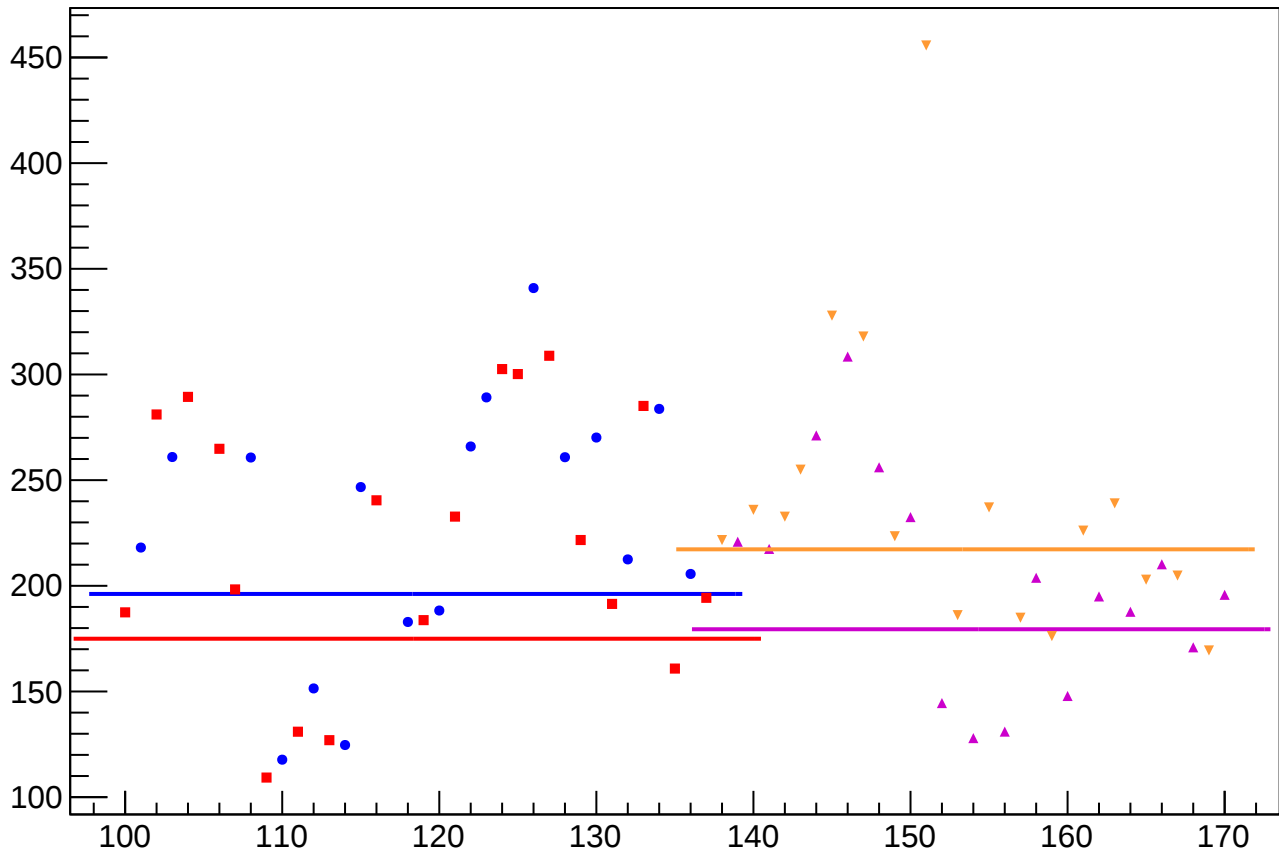
Left In: -48.113 $\pm$ 53.756 χ^2 /NDF: 5.6/15

+ sign 46.367 $\pm$ 49.644 χ^2 /NDF: 11.4/33

All: -0.344 $\pm$ 32.442 χ^2 /NDF: 25.5/68

- sign -35.163 $\pm$ 42.861 χ^2 /NDF: 12.5/34

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.151 $\pm$ 0.057 χ^2 /NDF: 964998.4/16

Left Out: 217.262 $\pm$ 0.045 χ^2 /NDF:1119458.6/16

Right Out: 174.965 $\pm$ 0.050 χ^2 /NDF: 1510956.5/18

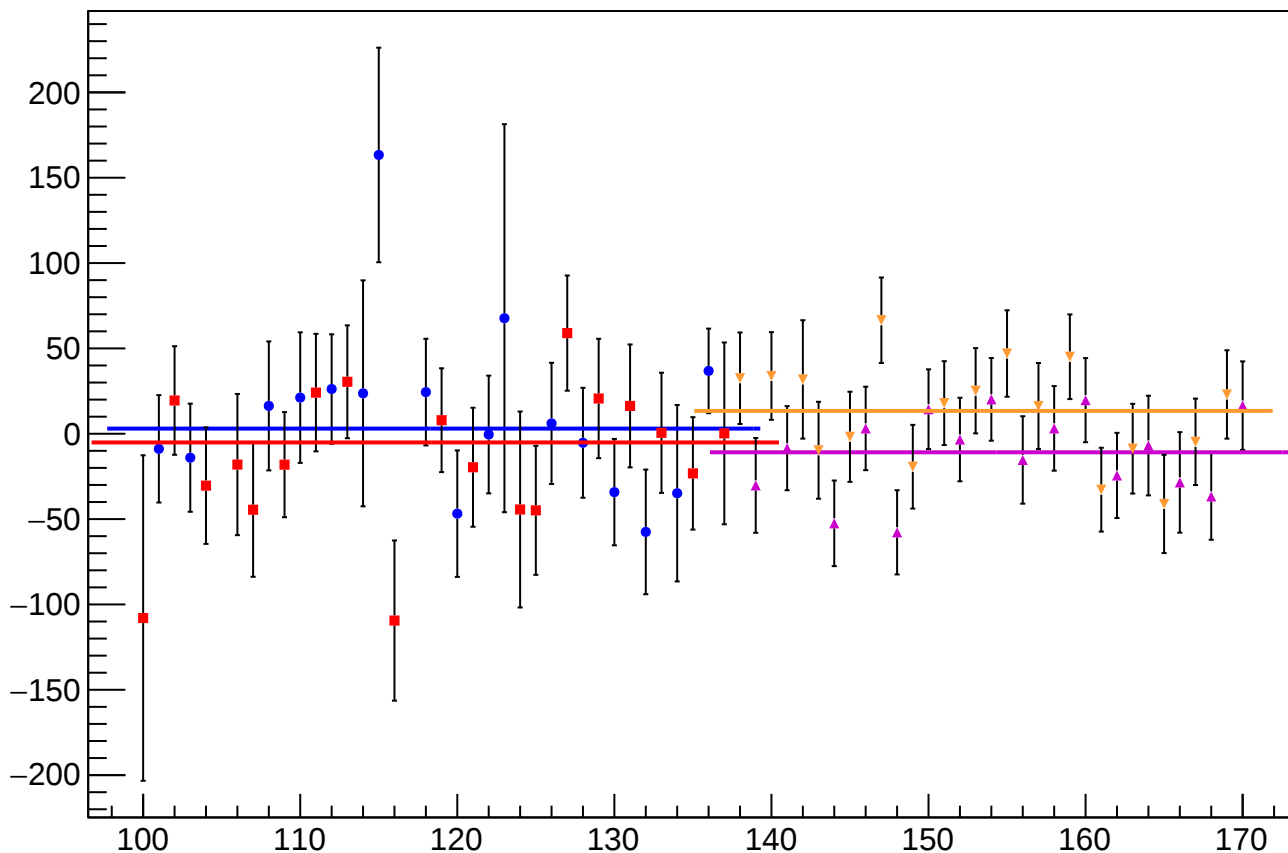
Left In: 179.447 $\pm$ 0.038 χ^2 /NDF:1461250.0/15

+ sign 209.122 $\pm$ 0.035 χ^2 /NDF: 2170145.1/33

All: 191.185 $\pm$ 0.023 χ^2 /NDF: 5603158.9/68

- sign 177.814 $\pm$ 0.030 χ^2 /NDF: 2977272.1/34

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.022 ± 8.751 χ^2/NDF : 17.2/16

Left Out: 13.385 ± 6.317 χ^2/NDF : 20.8/16

Right Out: -5.092 ± 8.477 χ^2/NDF : 17.2/18

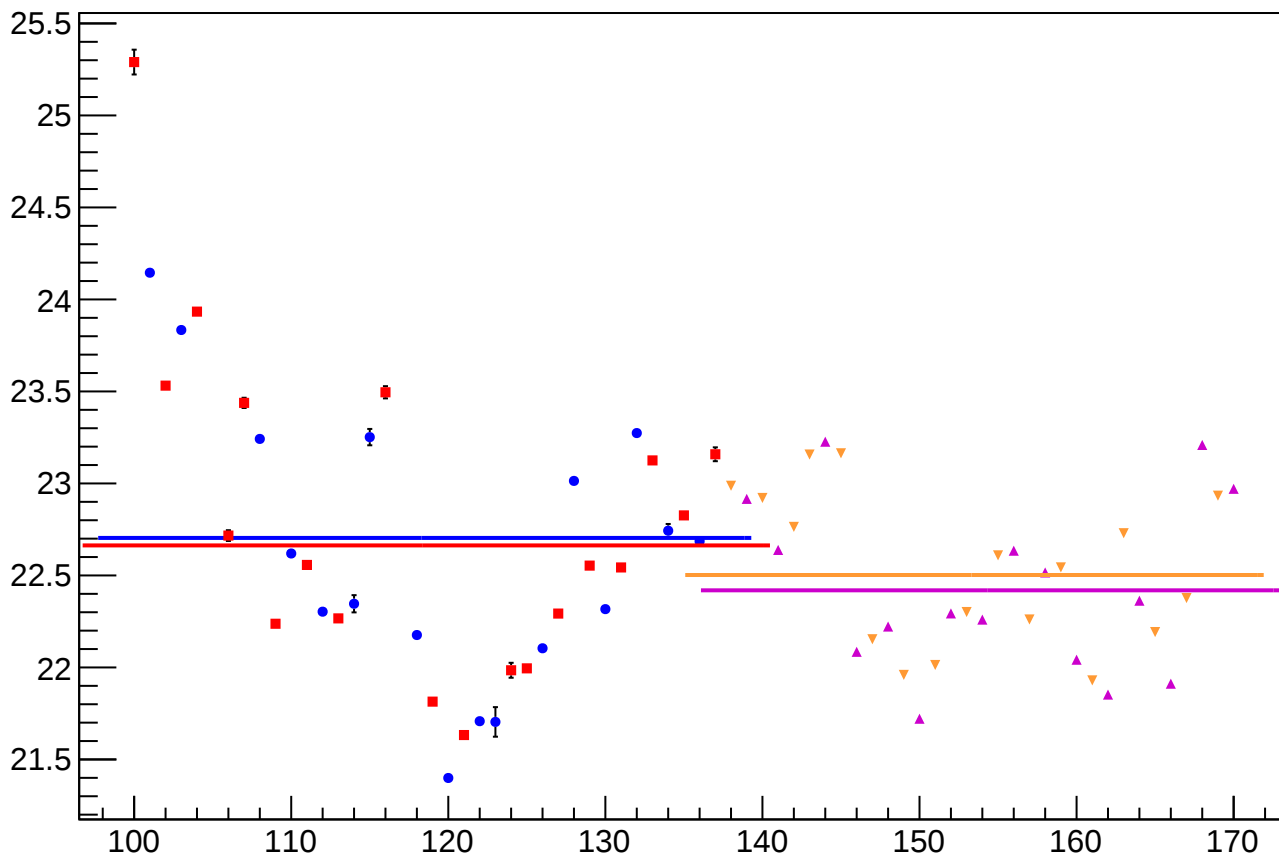
Left In: -10.862 ± 6.347 χ^2/NDF : 14.8/15

+ sign 9.835 ± 5.122 χ^2/NDF : 38.9/33

All: 0.447 ± 3.607 χ^2/NDF : 77.9/68

- sign -8.790 ± 5.081 χ^2/NDF : 32.3/34

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.704 $\pm$ 0.006 χ^2 /NDF: 14105.8/16

Left Out: 22.502 $\pm$ 0.004 χ^2 /NDF: 8207.4/16

Right Out: 22.663 $\pm$ 0.006 χ^2 /NDF: 12943.4/18

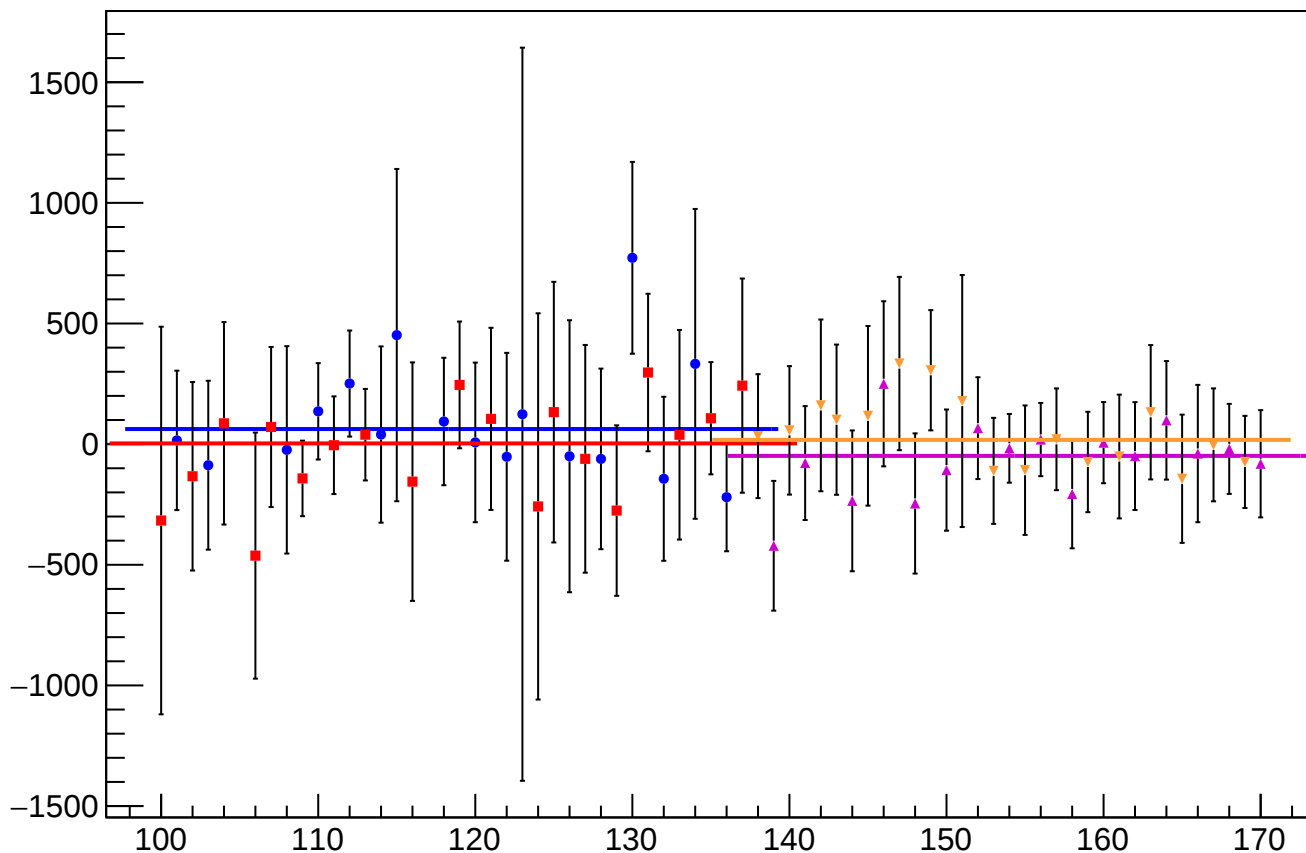
Left In: 22.419 $\pm$ 0.004 χ^2 /NDF: 10414.2/15

+ sign 22.571 $\pm$ 0.004 χ^2 /NDF: 23010.5/33

All: 22.539 $\pm$ 0.003 χ^2 /NDF: 47590.9/68

- sign 22.507 $\pm$ 0.004 χ^2 /NDF: 24419.9/34

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573+/-79.605 χ^2/NDF : 7.0/16

Left Out: 17.646+/-63.200 χ^2/NDF : 4.1/16

Right Out: 3.038+/-70.518 χ^2/NDF : 5.2/18

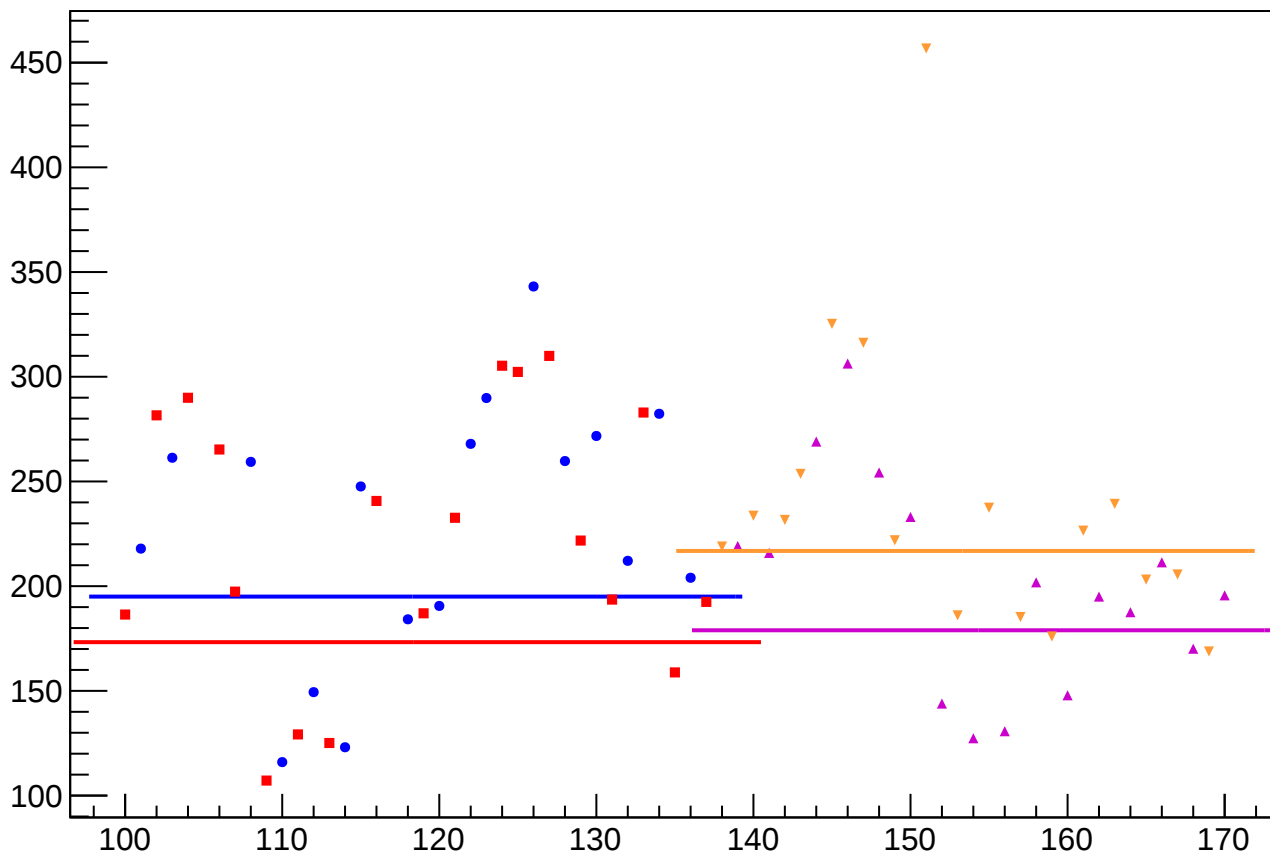
Left In: -48.648+/-53.604 χ^2/NDF : 5.2/15

+ sign 35.016+/-49.497 χ^2/NDF : 11.4/33

All: -2.118+/-32.321 χ^2/NDF : 23.1/68

- sign -29.719+/-42.675 χ^2/NDF : 10.7/34

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.022 $\pm$ 0.056 χ^2 /NDF: 1004284.9/16

Left Out: 216.821 $\pm$ 0.045 χ^2 /NDF:1110587.4/16

Right Out: 173.262 $\pm$ 0.050 χ^2 /NDF: 1578202.7/18

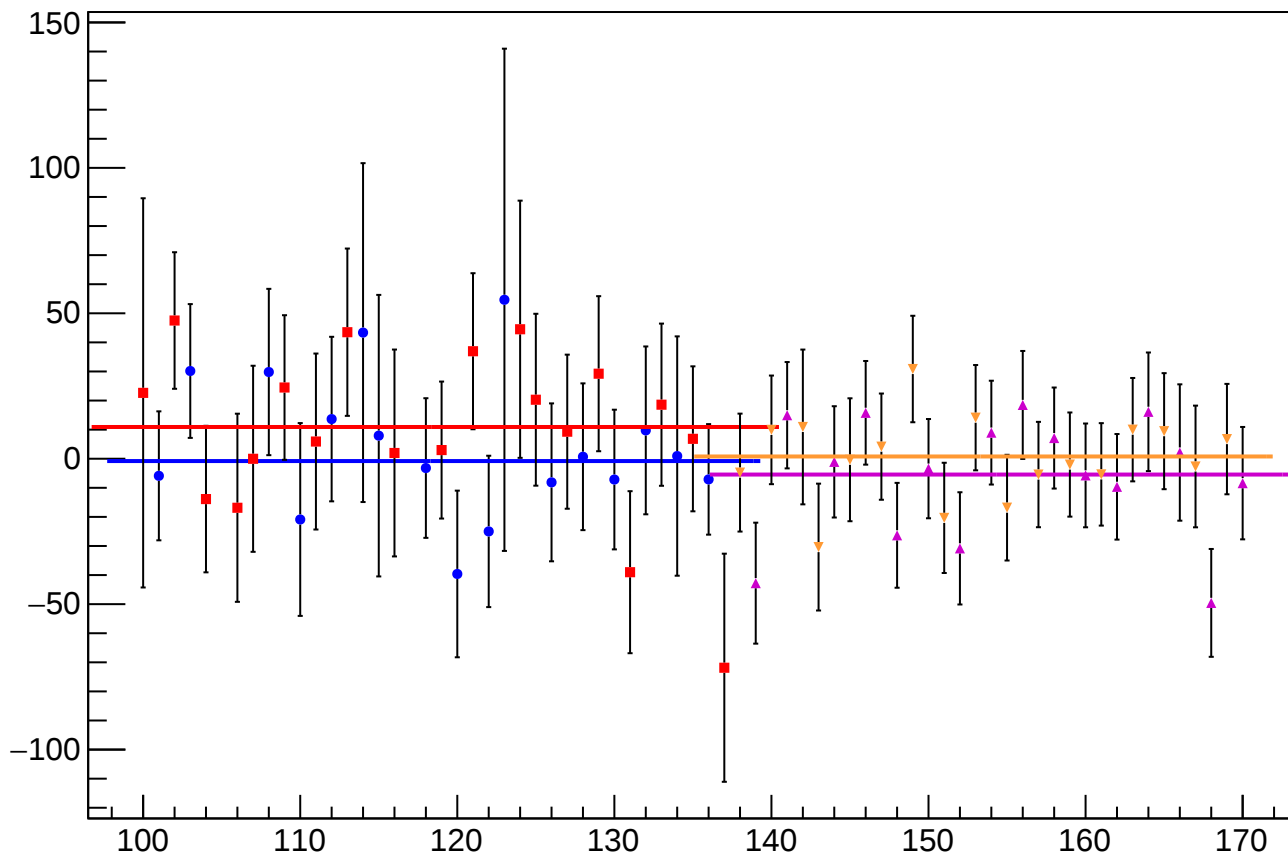
Left In: 178.935 $\pm$ 0.038 χ^2 /NDF:1451548.1/15

+ sign 208.393 $\pm$ 0.035 χ^2 /NDF: 2206866.7/33

All: 190.304 $\pm$ 0.023 χ^2 /NDF: 5710501.0/68

- sign 176.858 $\pm$ 0.030 χ^2 /NDF: 3037956.4/34

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.801 ± 6.770 χ^2/NDF : 7.8/16

Left Out: 0.773 ± 4.661 χ^2/NDF : 8.8/16

Right Out: 10.912 ± 6.626 χ^2/NDF : 15.9/18

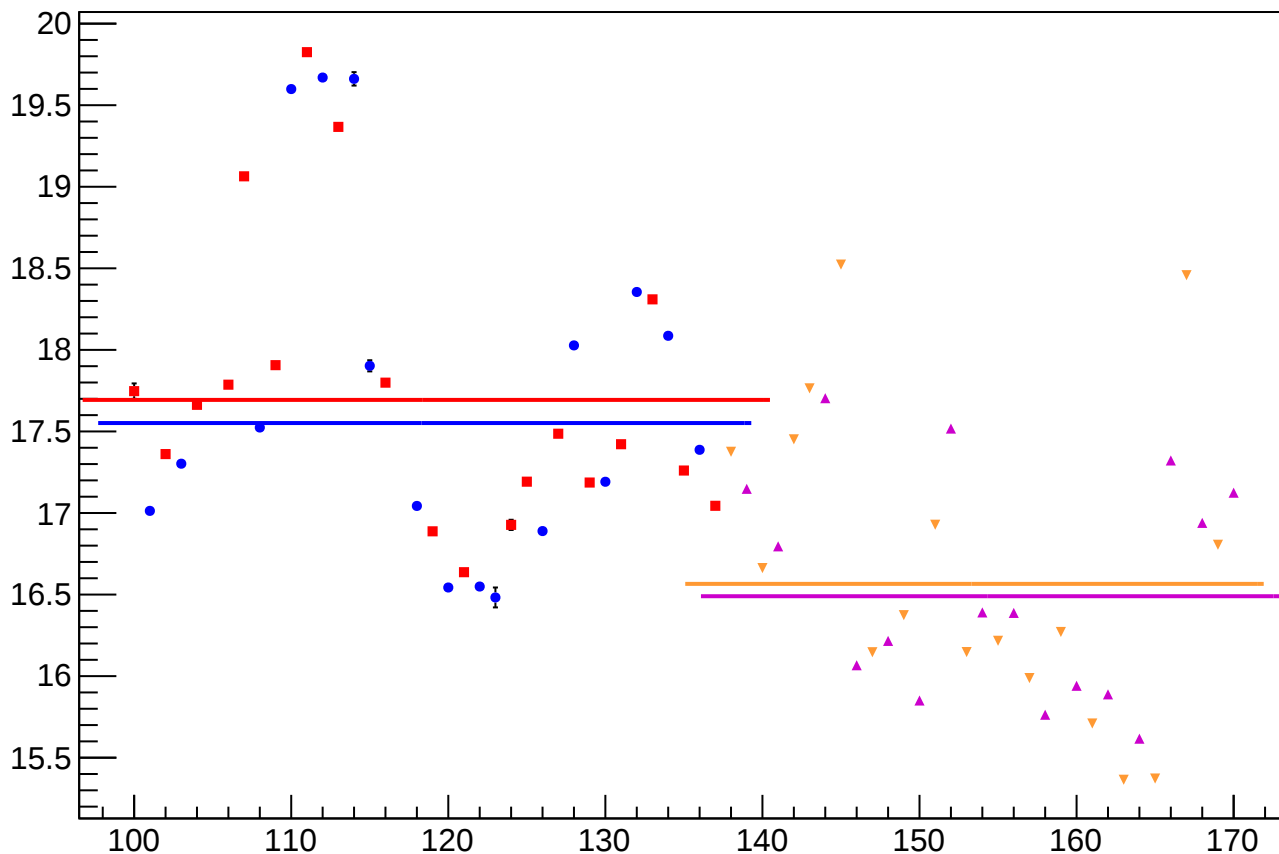
Left In: -5.441 ± 4.676 χ^2/NDF : 18.8/15

+ sign 0.267 ± 3.839 χ^2/NDF : 16.6/33

All: 0.131 ± 2.708 χ^2/NDF : 55.4/68

- sign -0.004 ± 3.821 χ^2/NDF : 38.8/34

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 ± 0.005 χ^2/NDF : 34027.1/16

Left Out: 16.566 ± 0.003 χ^2/NDF : 72737.5/16

Right Out: 17.693 ± 0.005 χ^2/NDF : 30742.0/18

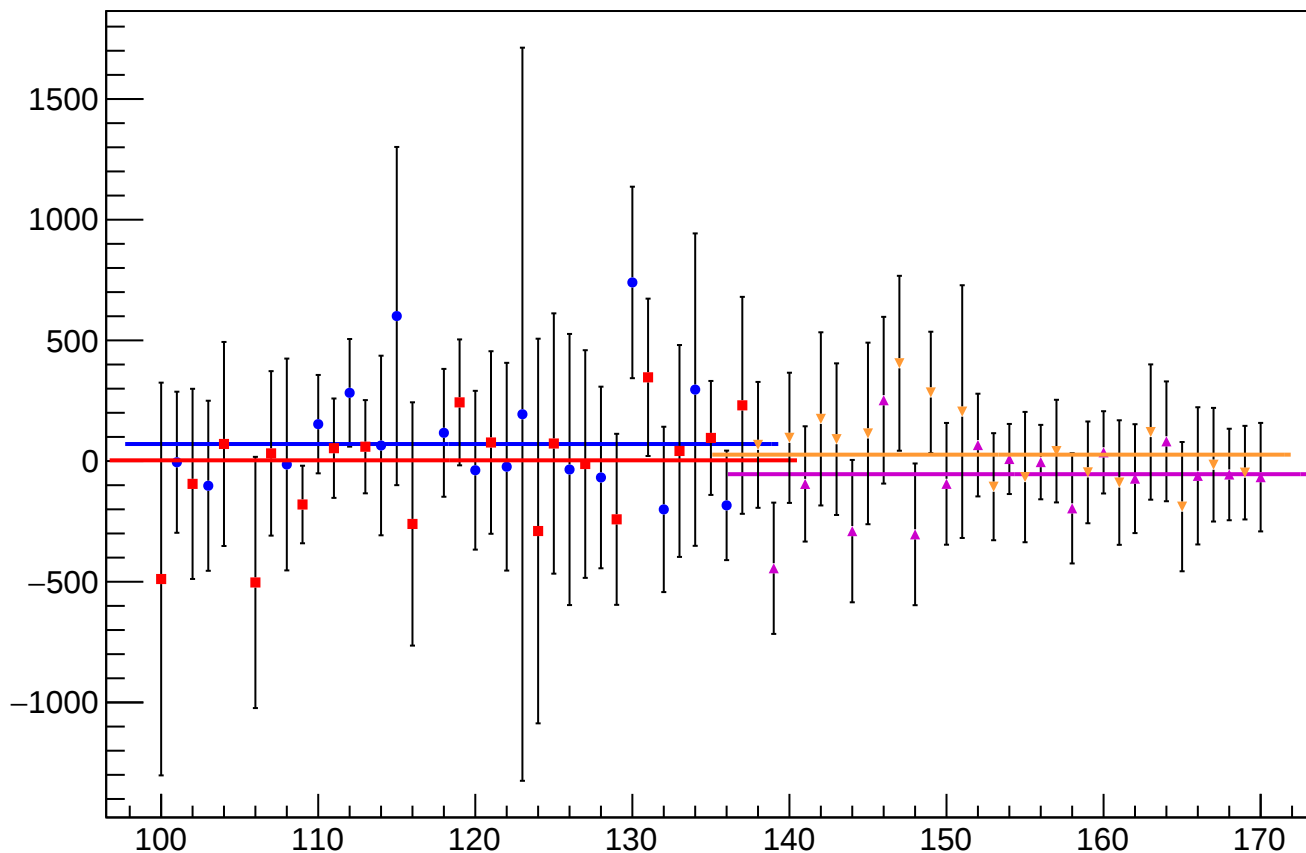
Left In: 16.490 ± 0.003 χ^2/NDF : 37924.8/15

+ sign 16.883 ± 0.003 χ^2/NDF : 135544.9/33

All: 16.886 ± 0.002 χ^2/NDF : 248259.2/68

- sign 16.890 ± 0.003 χ^2/NDF : 112710.5/34

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 70.634+/-80.409 χ^2/NDF : 7.2/16

Left Out: 26.579+/-63.823 χ^2/NDF : 4.4/16

Right Out: 3.063+/-71.508 χ^2/NDF : 6.2/18

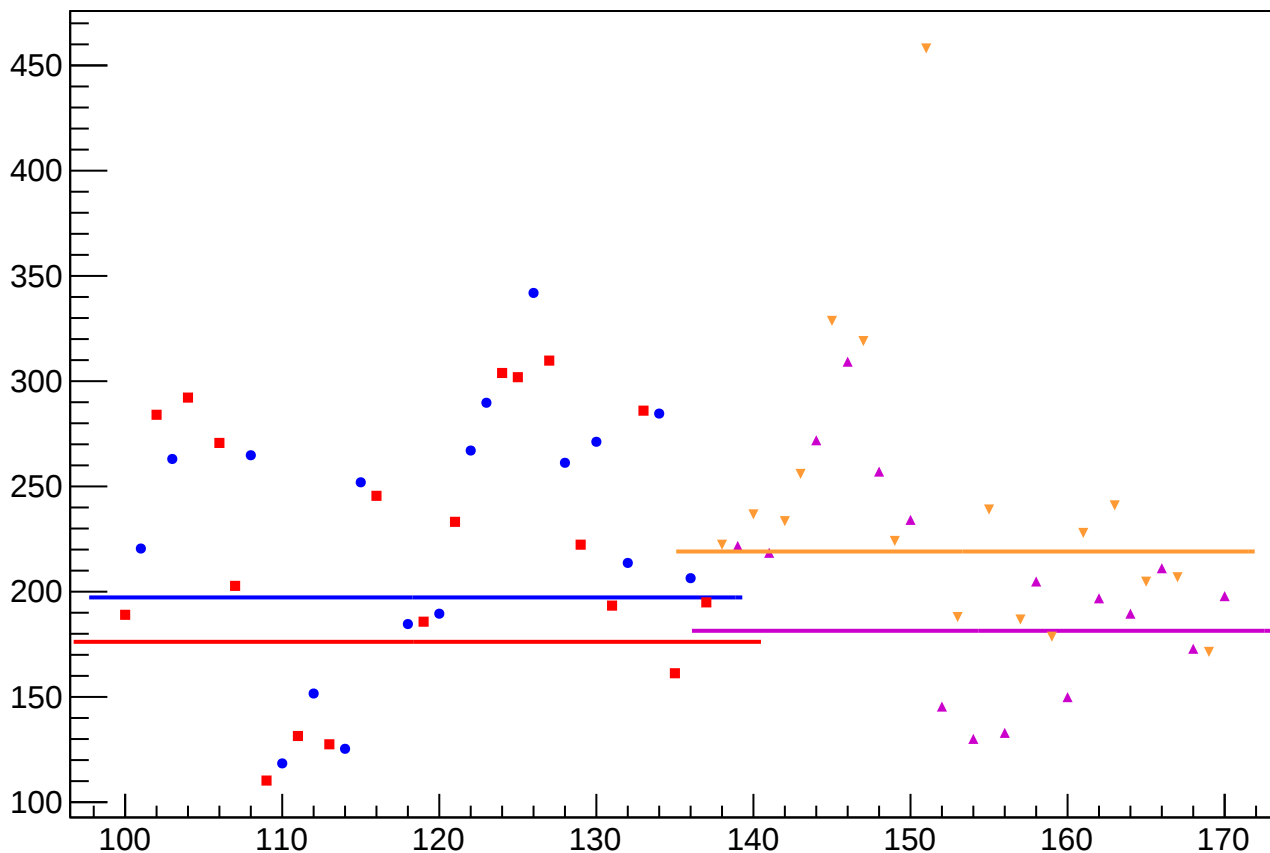
Left In: -54.346+/-54.287 χ^2/NDF : 5.8/15

+ sign 43.607+/-49.990 χ^2/NDF : 11.7/33

All: -0.419+/-32.703 χ^2/NDF : 25.5/68

- sign -33.356+/-43.238 χ^2/NDF : 12.4/34

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.271+/-0.057 χ^2/NDF : 969549.7/16

Left Out: 219.087+/-0.045 χ^2/NDF : 1095881.4/16

Right Out: 176.181+/-0.051 χ^2/NDF : 1519707.5/18

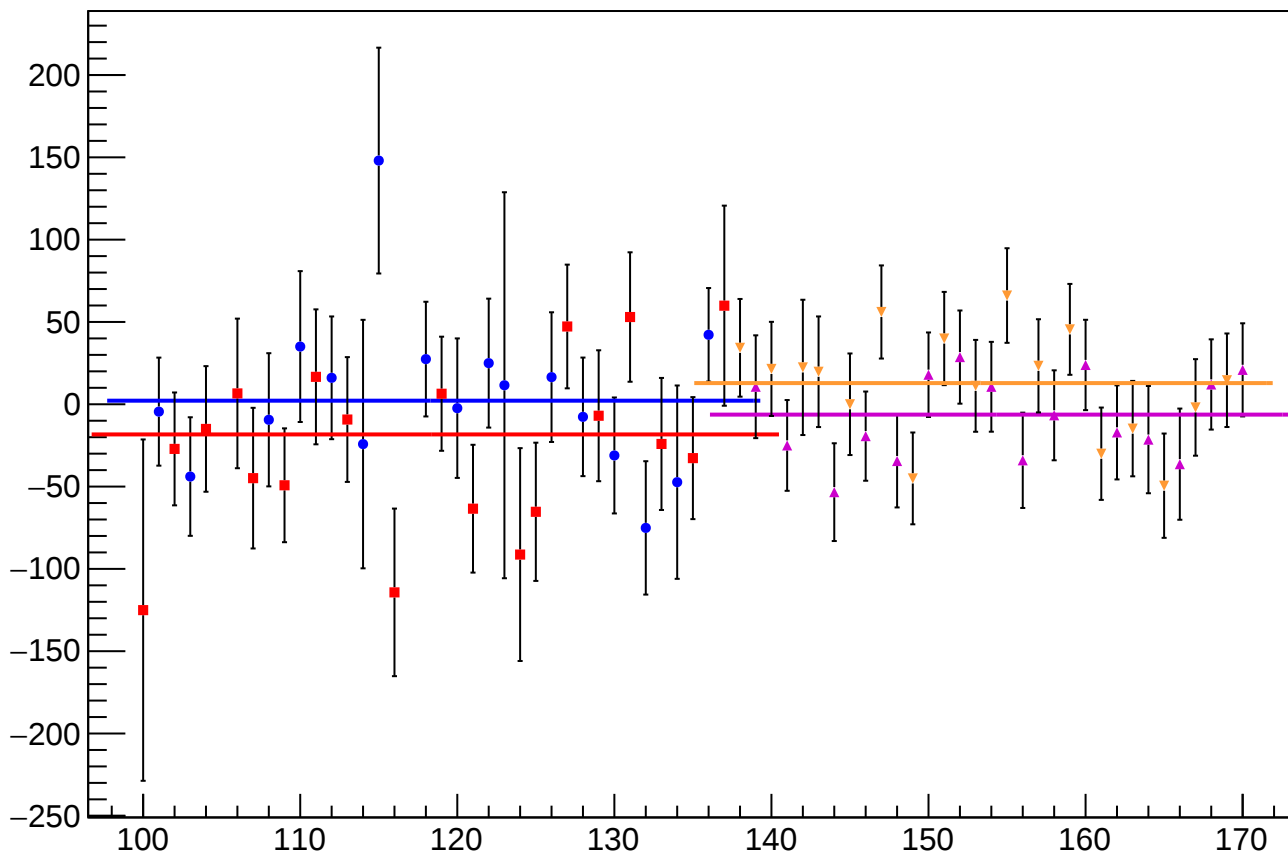
Left In: 181.417+/-0.038 χ^2/NDF : 1417008.0/15

+ sign 210.655+/-0.035 χ^2/NDF : 2155746.9/33

All: 192.834+/-0.023 χ^2/NDF : 5543564.8/68

- sign 179.503+/-0.031 χ^2/NDF : 2943519.6/34

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.178 ± 9.825 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 12.864 ± 7.145 $\chi^2/\text{NDF}: 20.8/16$

Right Out: -18.320 ± 9.497 $\chi^2/\text{NDF}: 19.6/18$

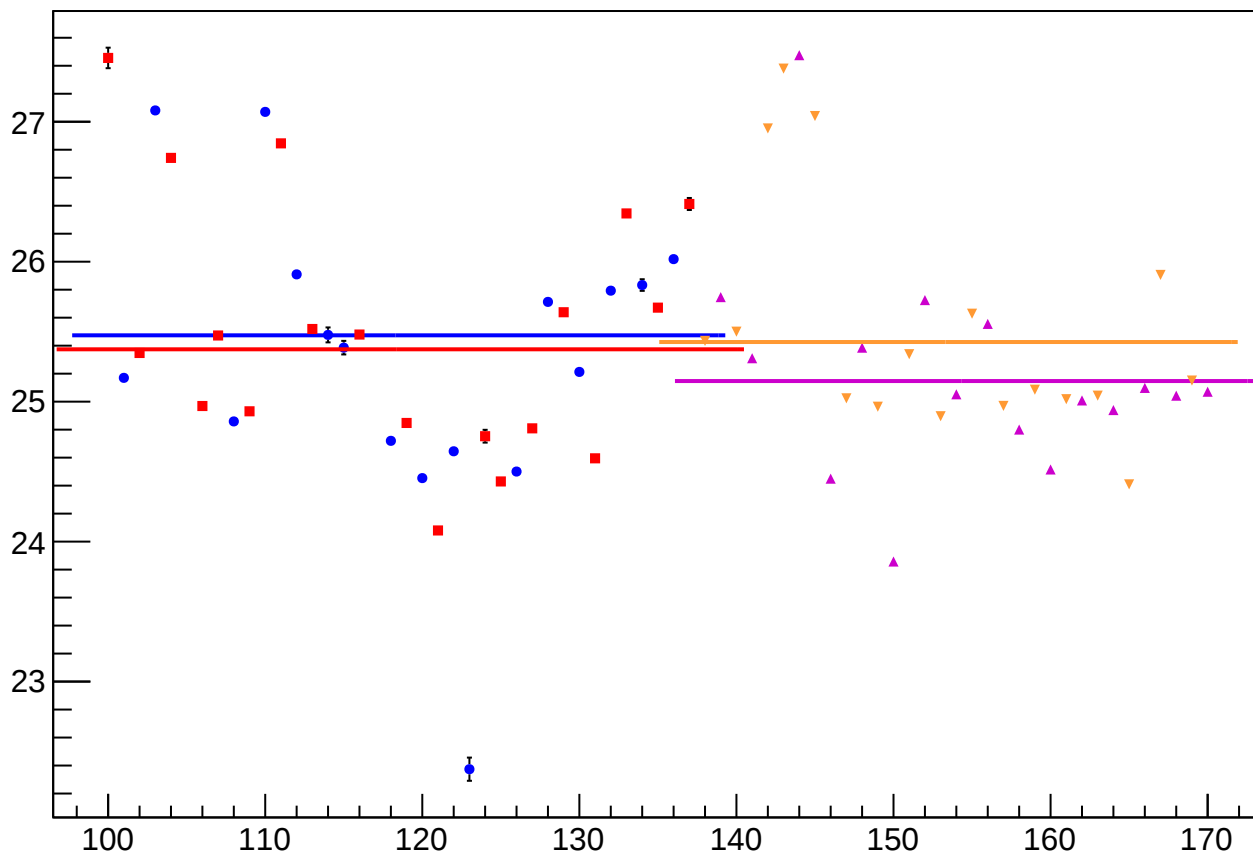
Left In: -6.285 ± 7.127 $\chi^2/\text{NDF}: 12.0/15$

+ sign 9.167 ± 5.779 $\chi^2/\text{NDF}: 36.9/33$

All: -0.862 ± 4.058 $\chi^2/\text{NDF}: 75.4/68$

- sign -10.621 ± 5.700 $\chi^2/\text{NDF}: 32.6/34$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474 $\pm$ 0.007 χ^2 /NDF: 14061.2/16

Left Out: 25.426 $\pm$ 0.005 χ^2 /NDF: 21189.1/16

Right Out: 25.374 $\pm$ 0.007 χ^2 /NDF: 13581.2/18

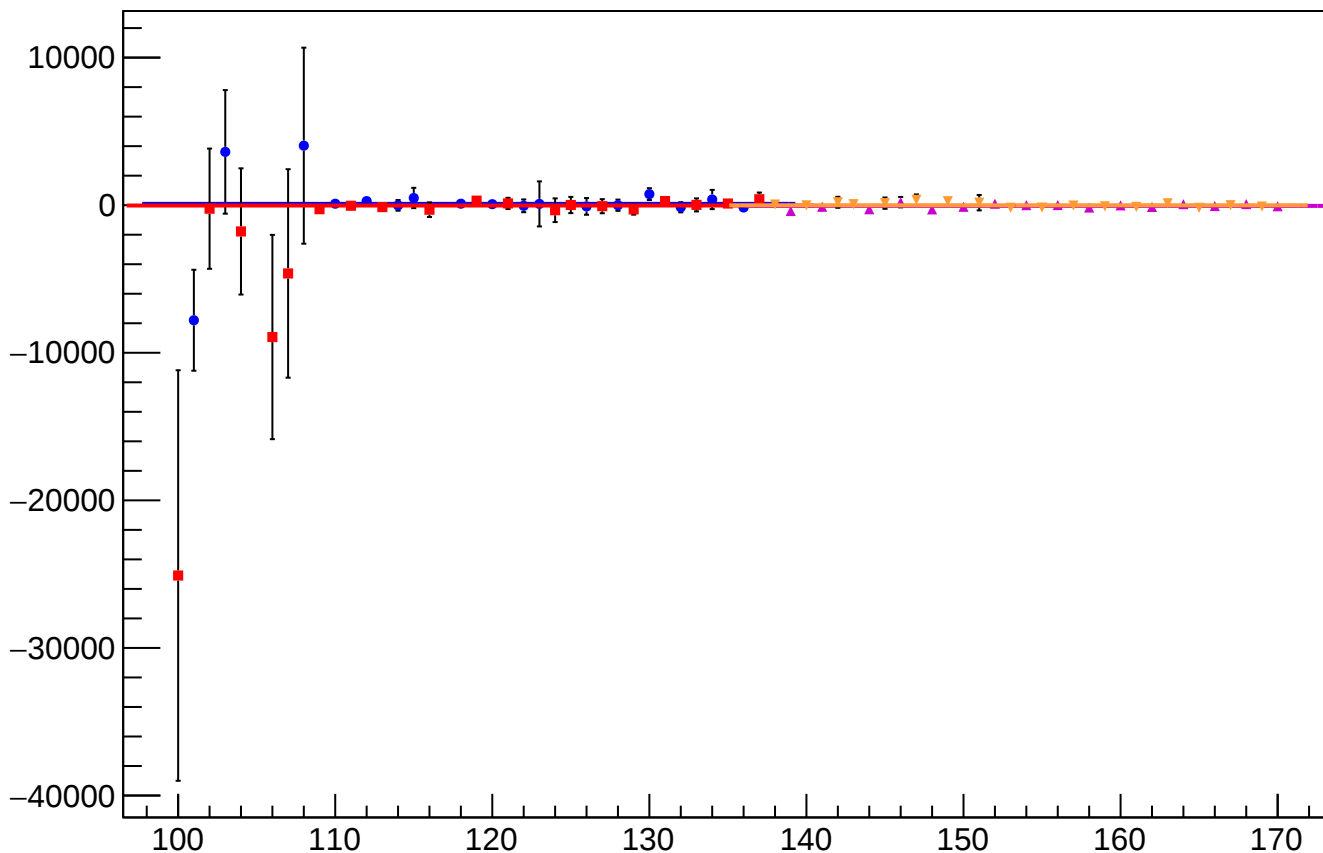
Left In: 25.147 $\pm$ 0.005 χ^2 /NDF: 22432.8/15

+ sign 25.443 $\pm$ 0.004 χ^2 /NDF: 35281.3/33

All: 25.334 $\pm$ 0.003 χ^2 /NDF: 73411.2/68

- sign 25.229 $\pm$ 0.004 χ^2 /NDF: 36743.5/34

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 89.619+/-87.630 χ^2/NDF : 12.3/16

Left Out: -7.592+/-64.241 χ^2/NDF : 4.8/16

Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

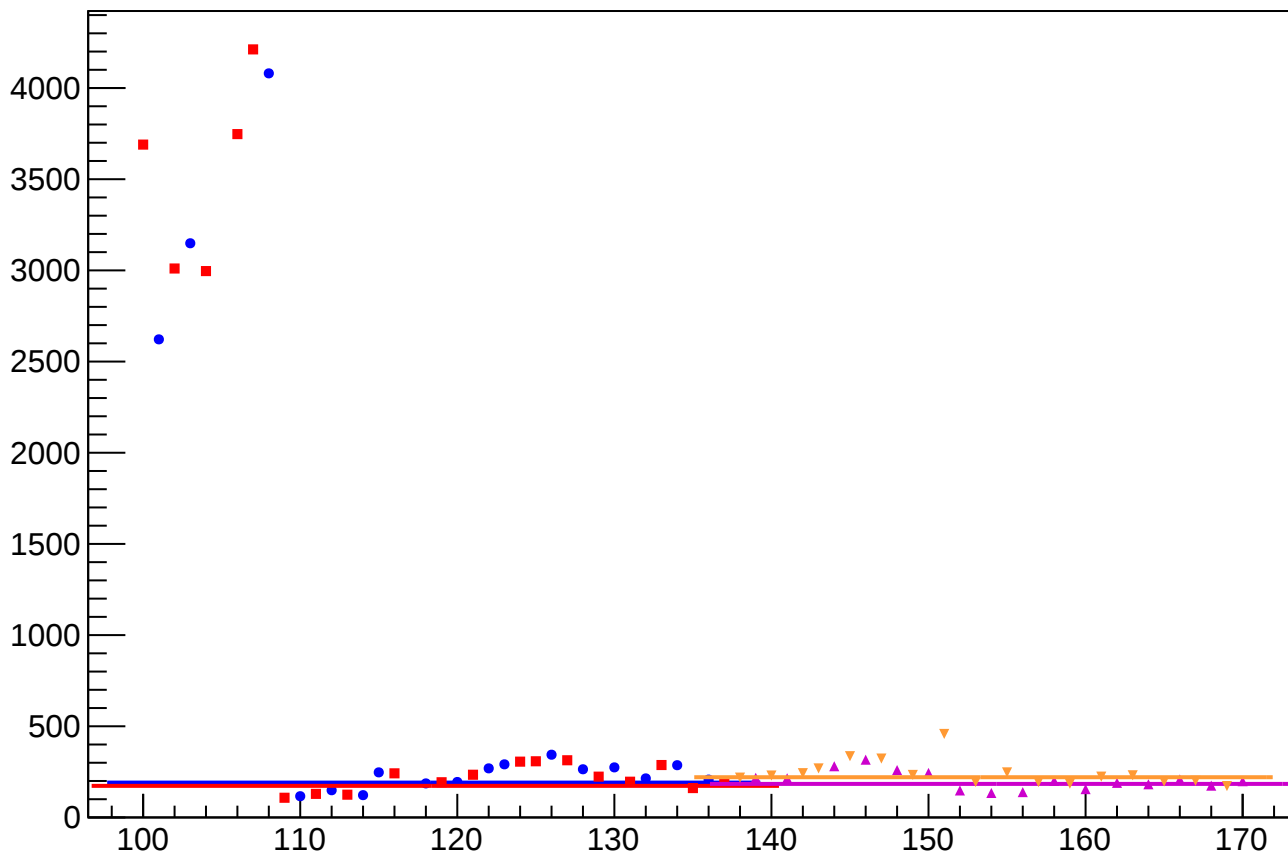
Left In: -48.217+/-54.907 χ^2/NDF : 5.3/15

+ sign 26.389+/-51.810 χ^2/NDF : 17.9/33

All: -11.222+/-34.159 χ^2/NDF : 36.1/68

- sign -40.143+/-45.432 χ^2/NDF : 17.3/34

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.190+/-0.062 χ^2/NDF : 3571747.5/16

Left Out: 220.647+/-0.045 χ^2/NDF : 1094762.8/16

Right Out: 173.269+/-0.057 χ^2/NDF : 4207191.5/18

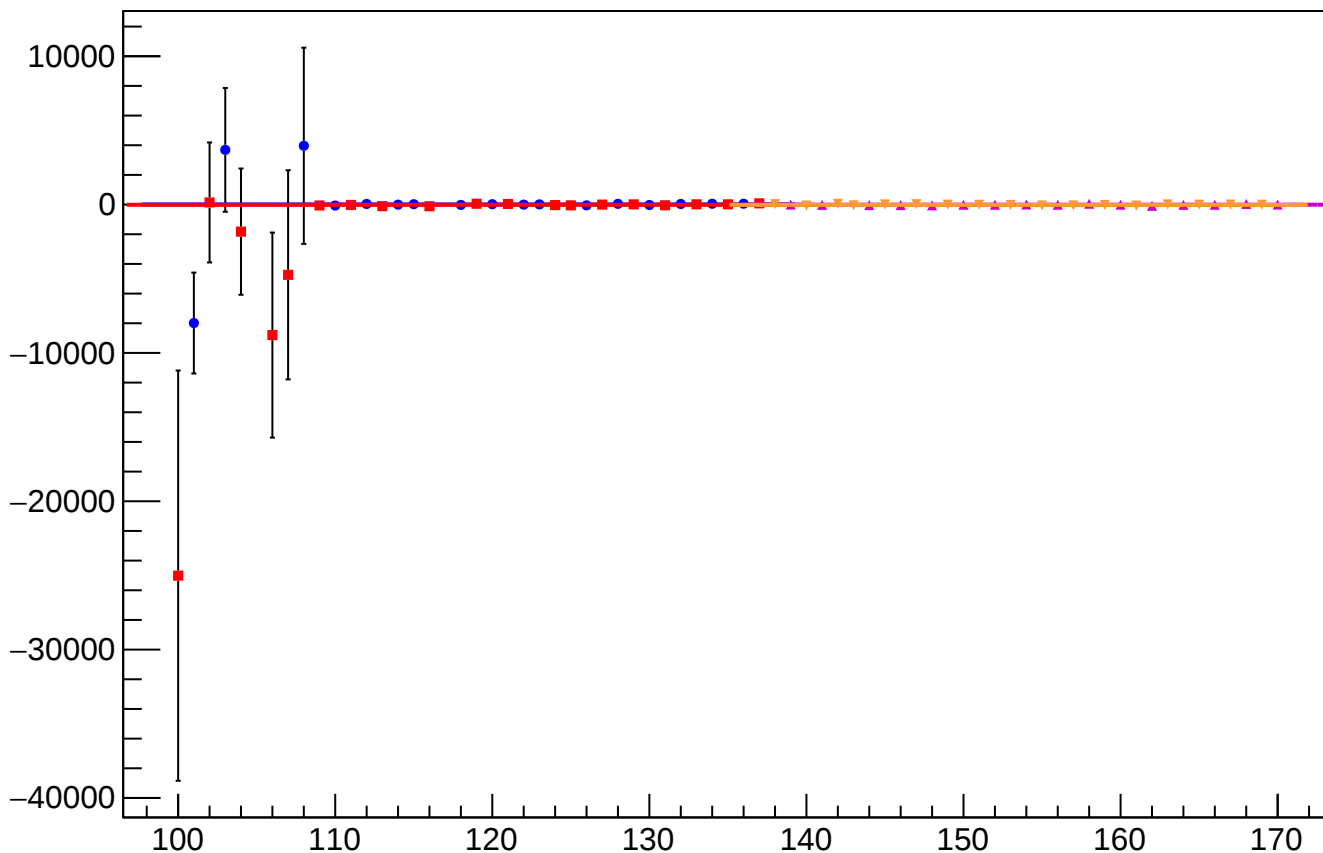
Left In: 183.988+/-0.039 χ^2/NDF : 1309747.3/15

+ sign 210.350+/-0.037 χ^2/NDF : 4813507.0/33

All: 193.536+/-0.024 χ^2/NDF : 10727080.6/68

- sign 180.607+/-0.032 χ^2/NDF : 5540974.6/34

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.398+/-12.190 χ^2/NDF : 18.3/16

Left Out: -17.792+/-8.153 χ^2/NDF : 16.1/16

Right Out: -12.947+/-12.227 χ^2/NDF : 24.4/18

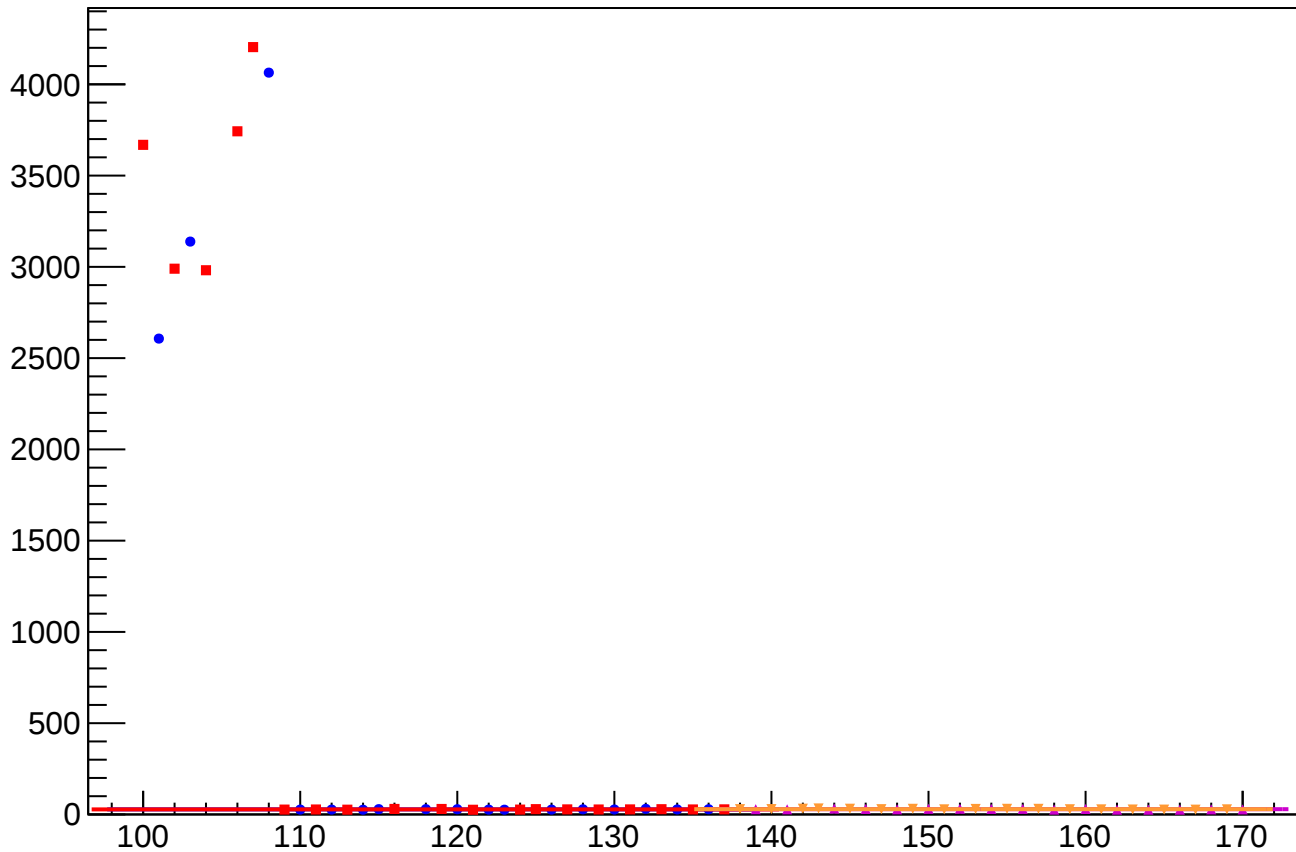
Left In: -7.615+/-8.196 χ^2/NDF : 17.5/15

+ sign -9.078+/-6.777 χ^2/NDF : 38.1/33

All: -9.173+/-4.803 χ^2/NDF : 80.1/68

- sign -9.268+/-6.808 χ^2/NDF : 42.0/34

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.837 $\pm$ 0.009 χ^2 /NDF: 3026887.2/16

Left Out: 28.952 $\pm$ 0.006 χ^2 /NDF: 94302.8/16

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

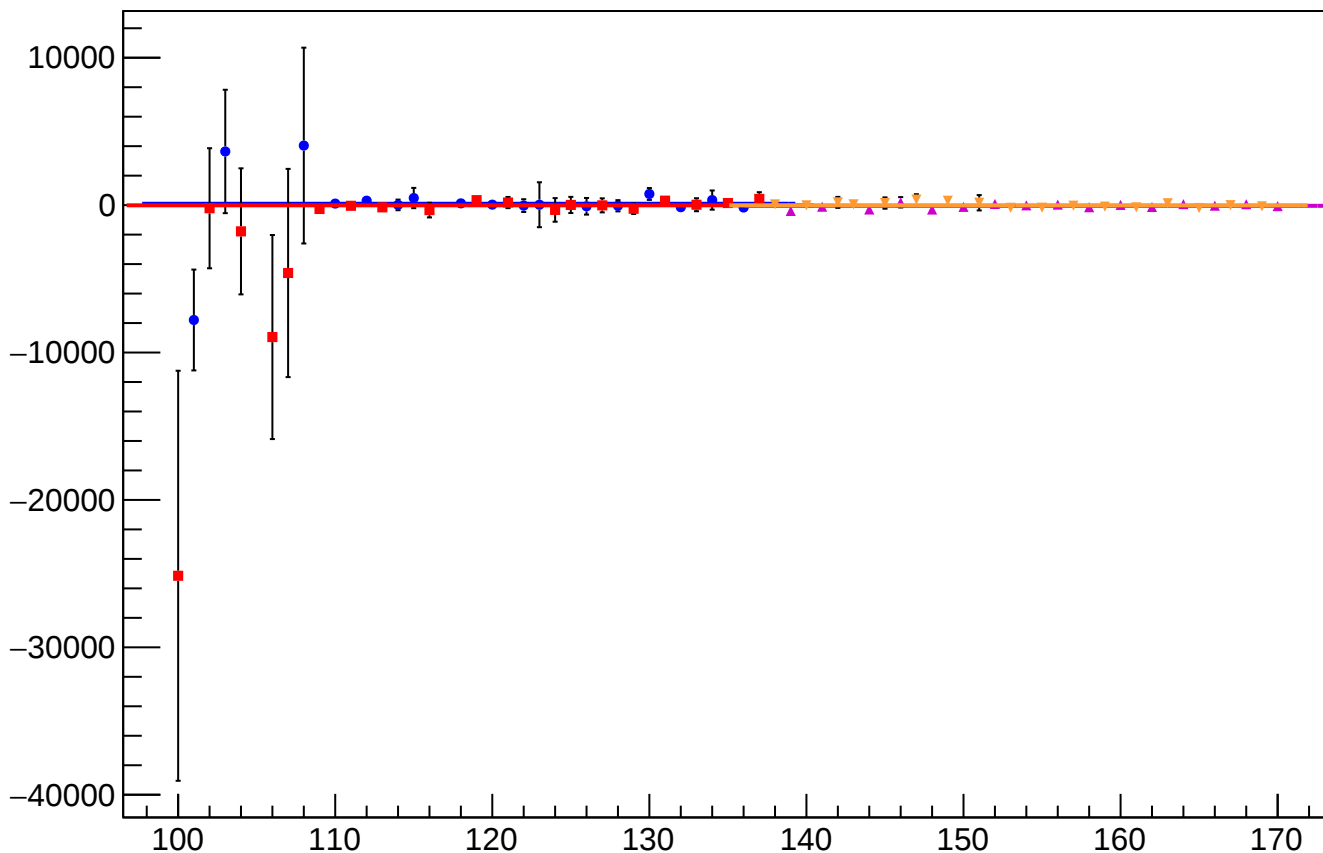
Left In: 28.842 $\pm$ 0.006 χ^2 /NDF: 110751.1/15

+ sign 28.607 $\pm$ 0.005 χ^2 /NDF: 3132754.7/33

All: 28.547 $\pm$ 0.003 χ^2 /NDF: 6732790.2/68

- sign 28.486 $\pm$ 0.005 χ^2 /NDF: 3599719.1/34

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 92.840+/-87.359 χ^2/NDF : 12.6/16

Left Out: -13.375+/-64.102 χ^2/NDF : 5.5/16

Right Out: -12.772+/-80.640 χ^2/NDF : 12.7/18

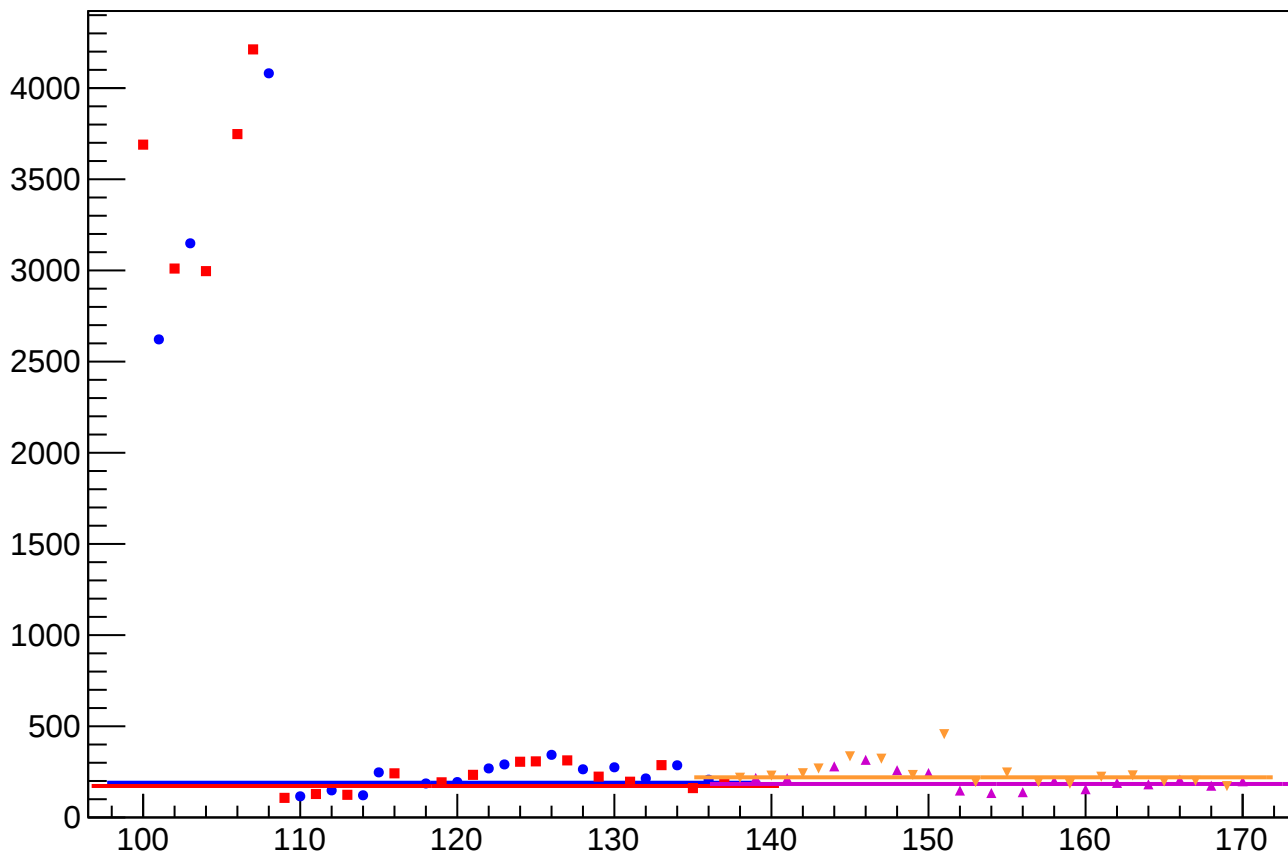
Left In: -46.472+/-54.800 χ^2/NDF : 5.4/15

+ sign 23.799+/-51.681 χ^2/NDF : 19.0/33

All: -9.903+/-34.077 χ^2/NDF : 37.9/68

- sign -35.825+/-45.325 χ^2/NDF : 18.1/34

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.485+/-0.062 χ^2/NDF : 3583573.2/16

Left Out: 220.173+/-0.045 χ^2/NDF :1094432.2/16

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

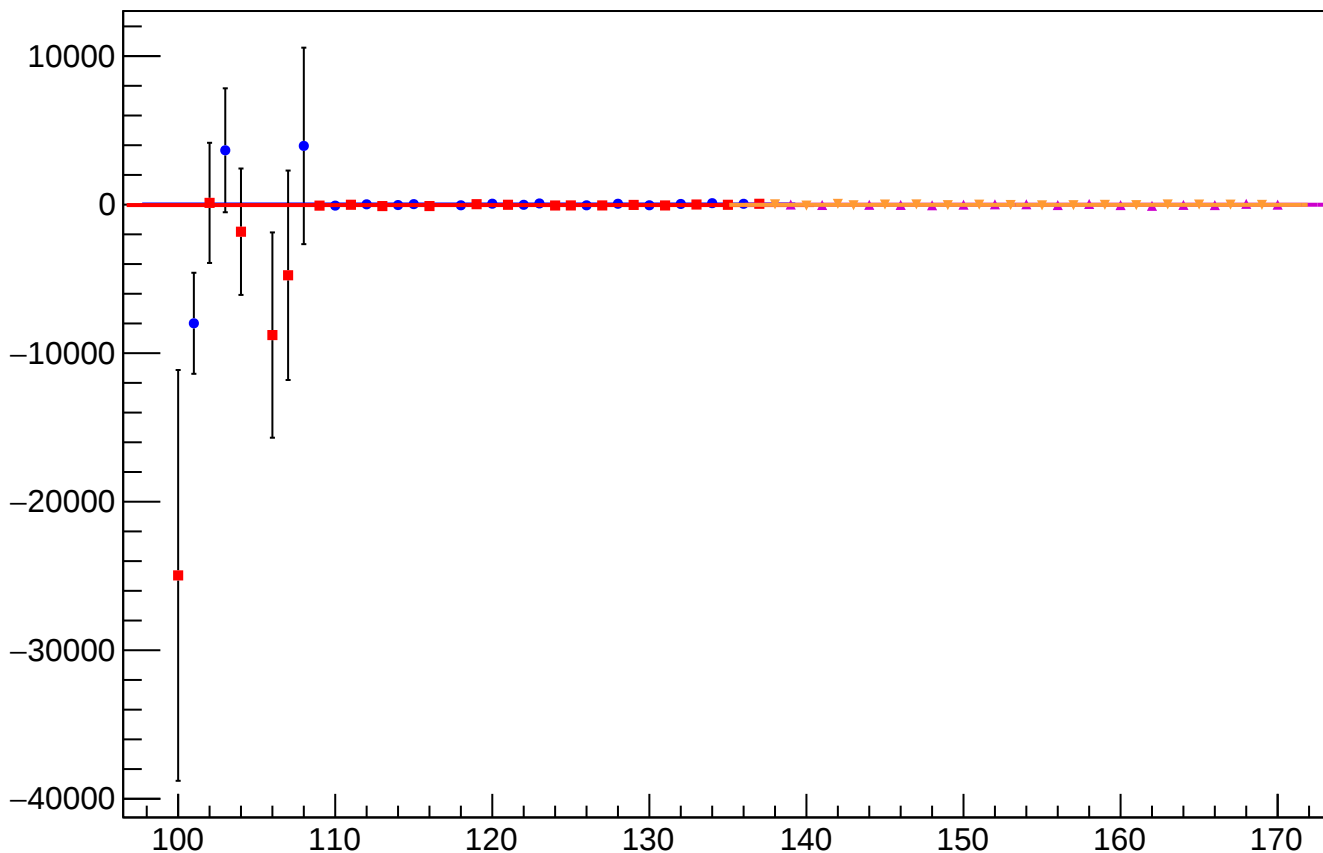
Left In: 183.632+/-0.039 χ^2/NDF :1309500.8/15

+ sign 209.783+/-0.037 χ^2/NDF : 4828145.7/33

All: 193.031+/-0.024 χ^2/NDF : 10753359.7/68

- sign 180.147+/-0.032 χ^2/NDF : 5553484.3/34

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.600 $\pm$ 12.273 χ^2 /NDF: 23.2/16

Left Out: -13.679 $\pm$ 8.212 χ^2 /NDF:10.6/16

Right Out: -29.627 $\pm$ 12.328 χ^2 /NDF: 16.5/18

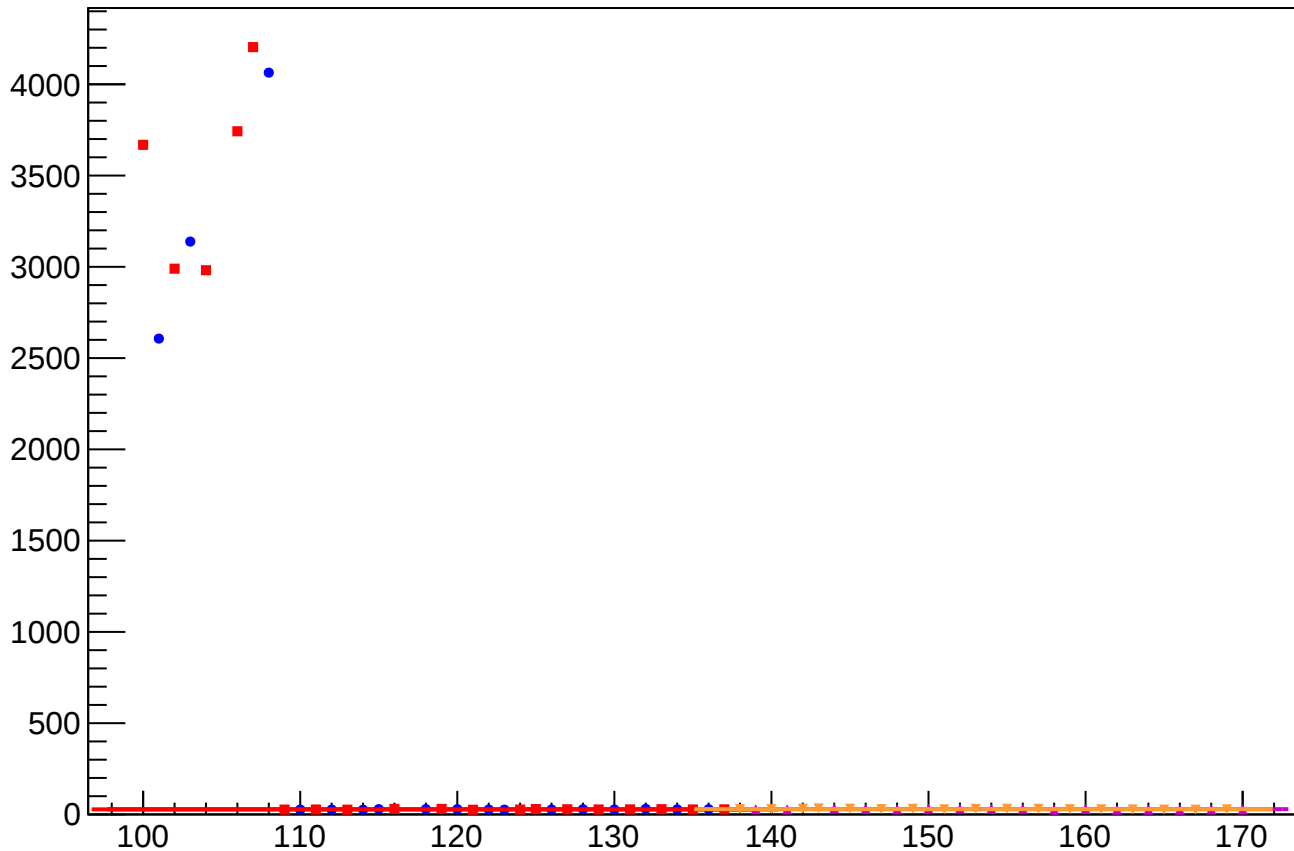
Left In: -6.635 $\pm$ 8.244 χ^2 /NDF:17.4/15

+ sign -6.480 $\pm$ 6.825 χ^2 /NDF: 36.3/33

All: -10.095 $\pm$ 4.836 χ^2 /NDF: 73.2/68

- sign -13.740 $\pm$ 6.853 χ^2 /NDF: 36.4/34

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.023+/-0.009 χ^2/NDF : 3027003.0/16

Left Out: 29.155+/-0.006 χ^2/NDF : 99497.7/16

Right Out: 27.917+/-0.009 χ^2/NDF : 3479610.6/18

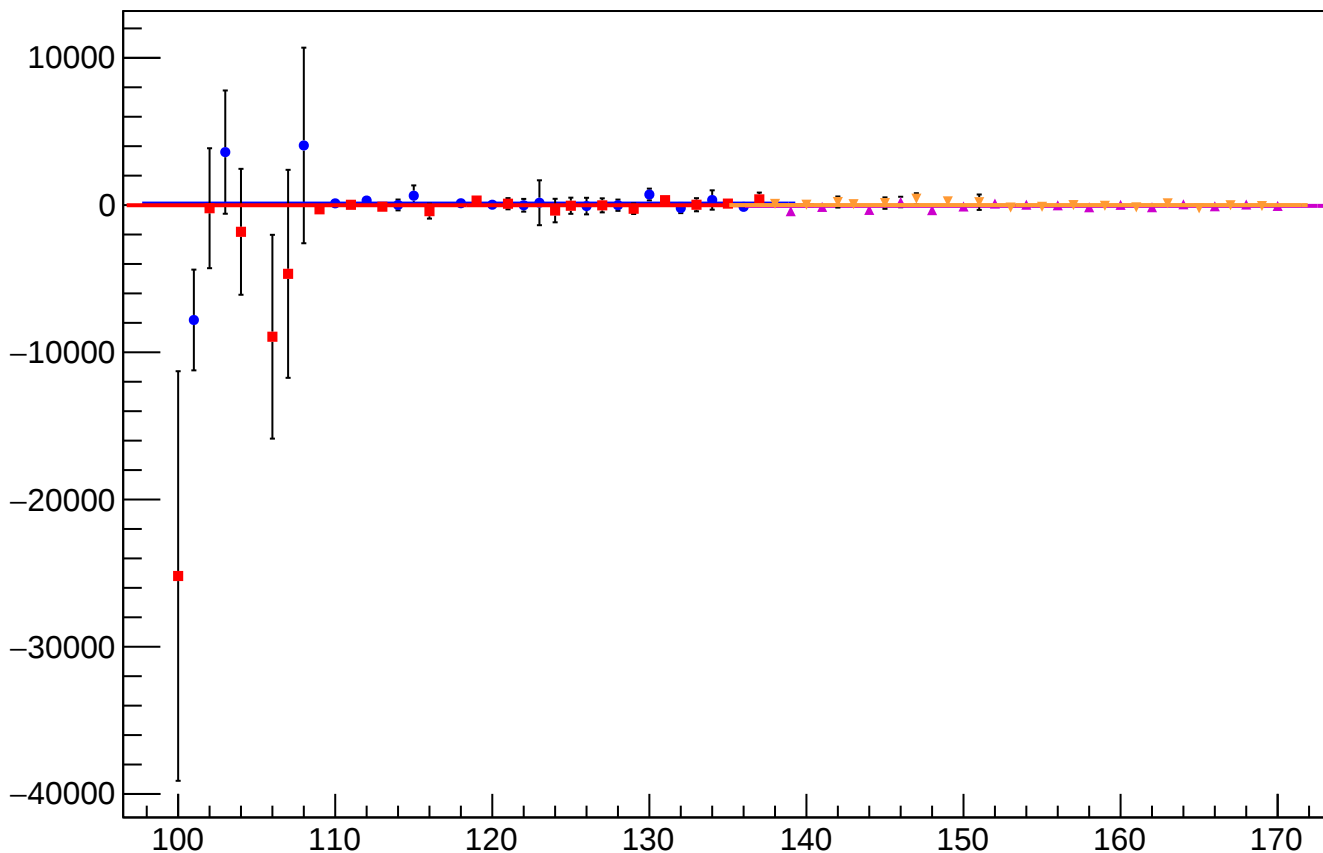
Left In: 29.016+/-0.006 χ^2/NDF : 111763.2/15

+ sign 28.805+/-0.005 χ^2/NDF : 3138247.4/33

All: 28.741+/-0.003 χ^2/NDF : 6740948.0/68

- sign 28.676+/-0.005 χ^2/NDF : 3602347.4/34

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 101.772 $\pm$ 88.390 χ^2 /NDF: 12.4/16

Left Out: 0.598 $\pm$ 64.851 χ^2 /NDF:5.1/16

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

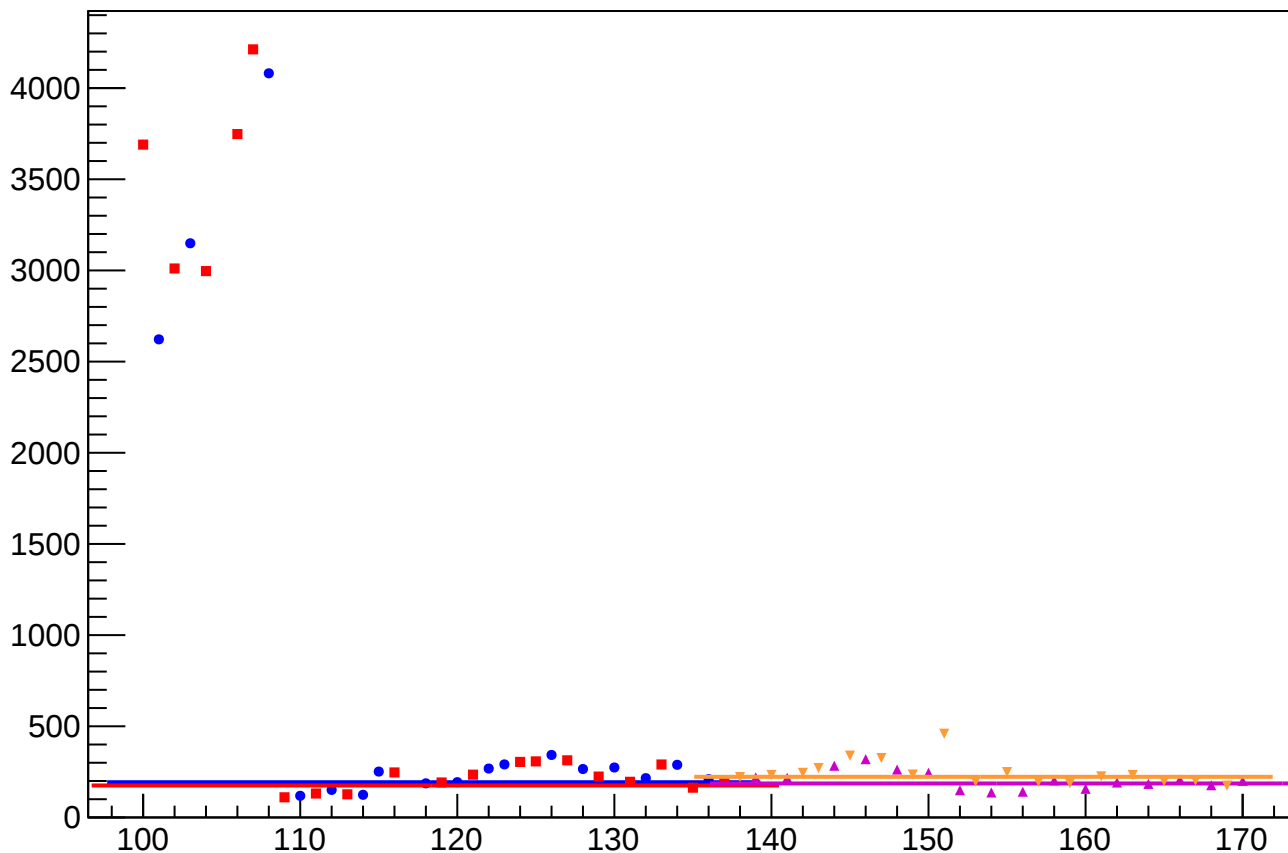
Left In: -54.385 $\pm$ 55.573 χ^2 /NDF:6.0/15

+ sign 36.002 $\pm$ 52.287 χ^2 /NDF: 18.4/33

All: -7.295 $\pm$ 34.518 χ^2 /NDF: 38.0/68

- sign -40.740 $\pm$ 45.955 χ^2 /NDF: 18.4/34

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.190+/-0.063 χ^2/NDF : 3536123.5/16

Left Out: 222.852+/-0.046 χ^2/NDF : 1082978.1/16

Right Out: 175.485+/-0.058 χ^2/NDF : 4165391.7/18

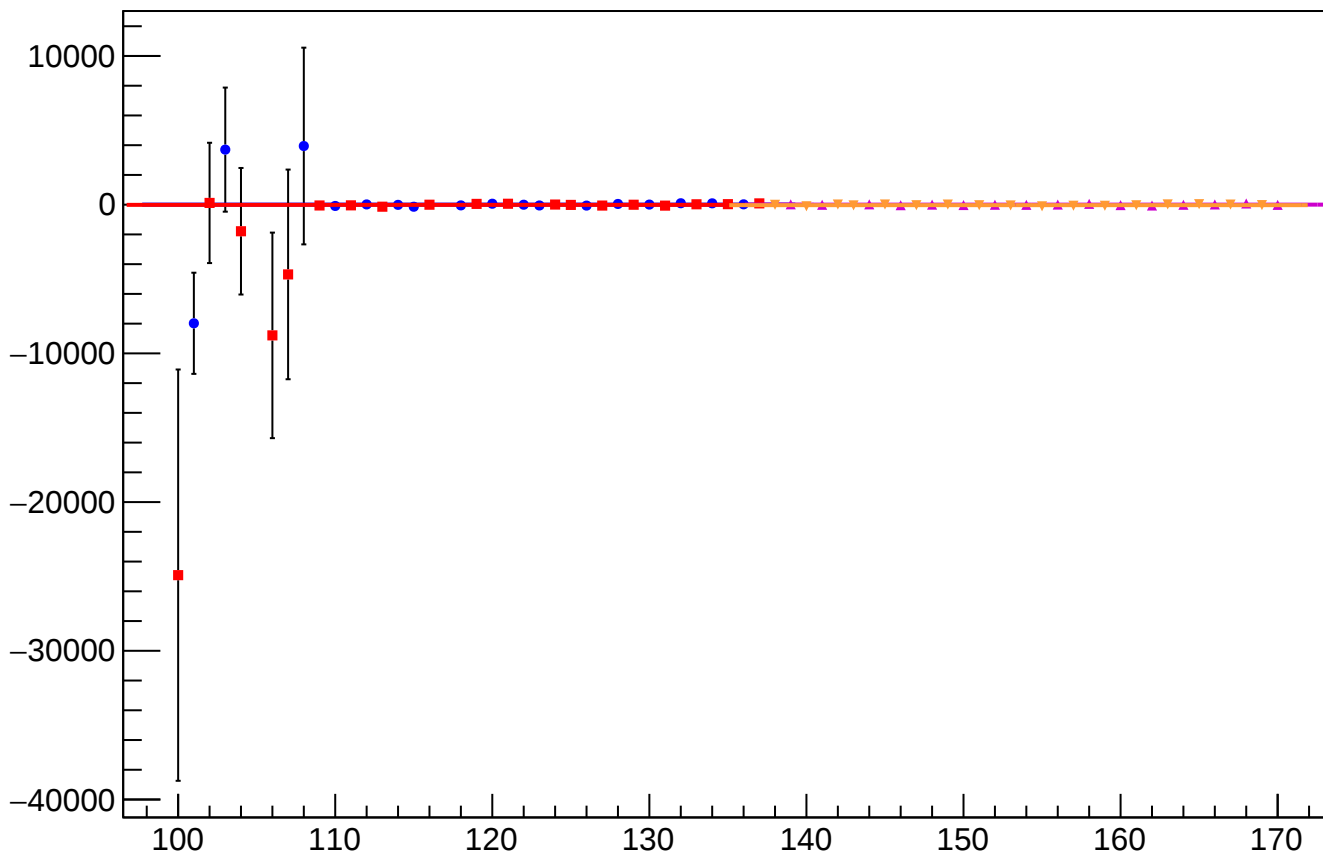
Left In: 186.402+/-0.039 χ^2/NDF : 1280268.4/15

+ sign 212.473+/-0.037 χ^2/NDF : 4765516.5/33

All: 195.817+/-0.024 χ^2/NDF : 10595293.2/68

- sign 182.950+/-0.032 χ^2/NDF : 5470062.1/34

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.651 $\pm$ 14.935 χ^2 /NDF: 20.4/16

Left Out: -32.292 $\pm$ 9.759 χ^2 /NDF:18.3/16

Right Out: -12.487 $\pm$ 14.947 χ^2 /NDF: 21.7/18

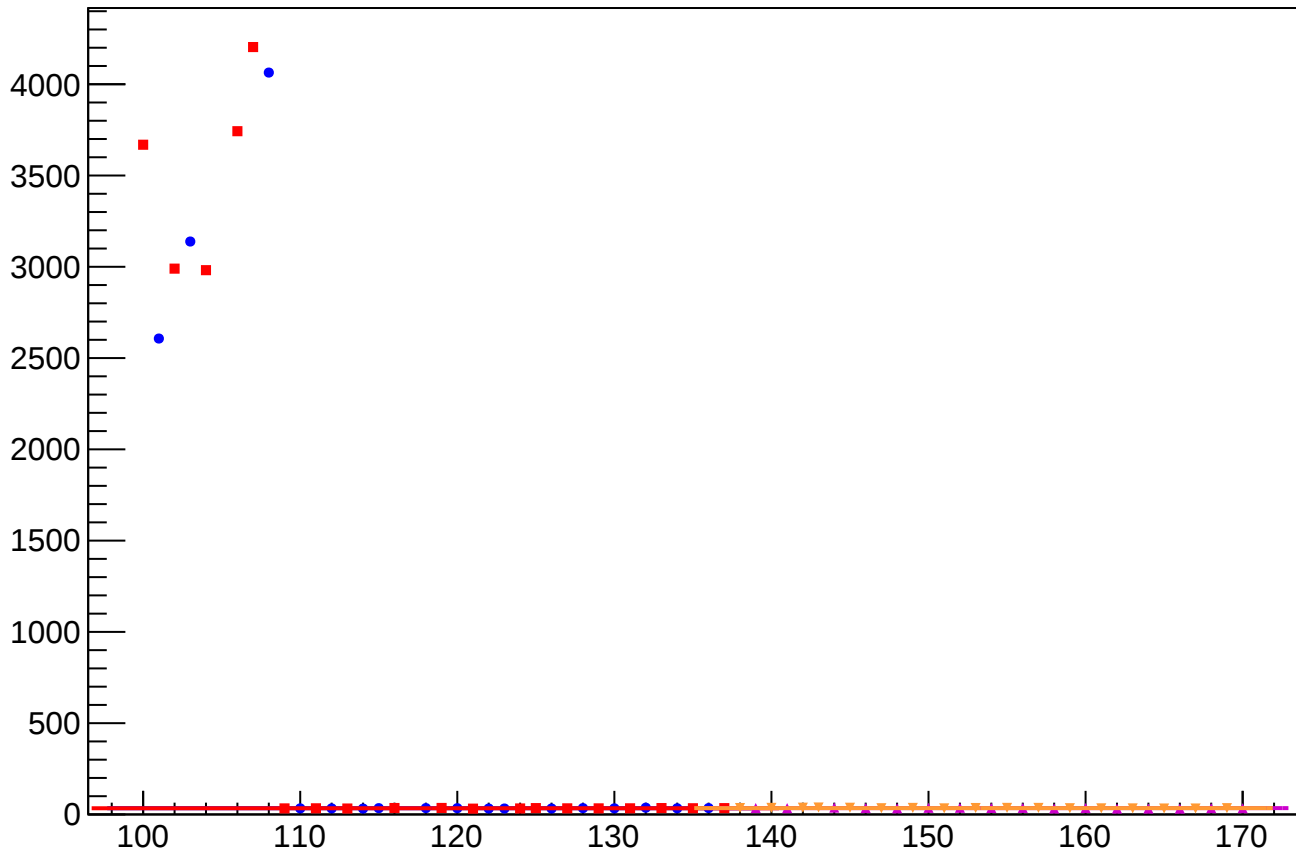
Left In: 2.732 $\pm$ 9.833 χ^2 /NDF:12.0/15

+ sign -21.237 $\pm$ 8.170 χ^2 /NDF: 43.0/33

All: -11.604 $\pm$ 5.793 χ^2 /NDF: 80.2/68

- sign -1.865 $\pm$ 8.215 χ^2 /NDF: 34.4/34

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.137 $\pm$ 0.011 χ^2 /NDF: 3006248.0/16

Left Out: 34.711 $\pm$ 0.007 χ^2 /NDF: 46778.7/16

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

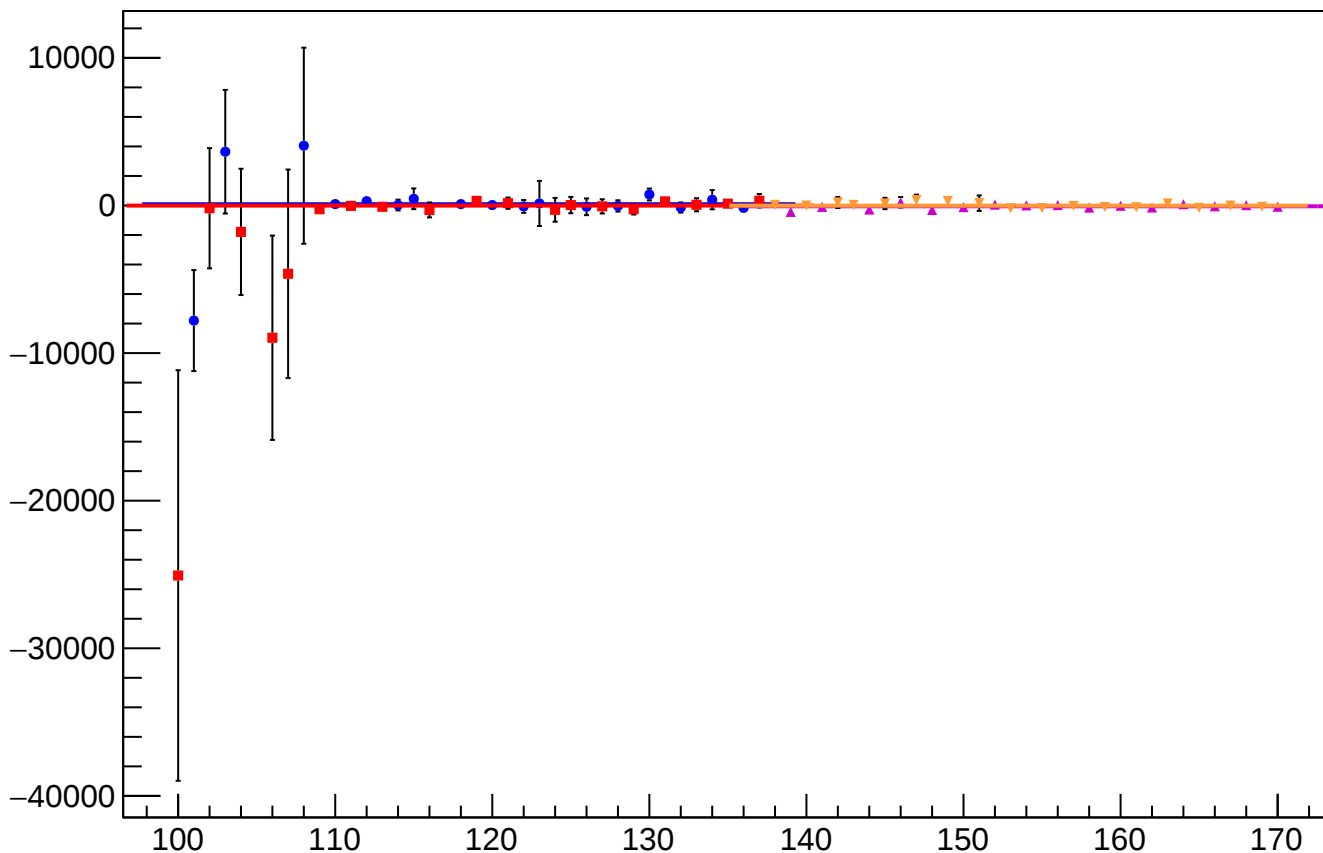
Left In: 34.673 $\pm$ 0.007 χ^2 /NDF: 51524.7/15

+ sign 34.539 $\pm$ 0.006 χ^2 /NDF: 3055093.1/33

All: 34.492 $\pm$ 0.004 χ^2 /NDF: 6562257.5/68

- sign 34.443 $\pm$ 0.006 χ^2 /NDF: 3507027.7/34

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.041+/-87.947 χ^2/NDF : 12.4/16

Left Out: -10.506+/-64.721 χ^2/NDF : 5.3/16

Right Out: -7.296+/-81.208 χ^2/NDF : 11.1/18

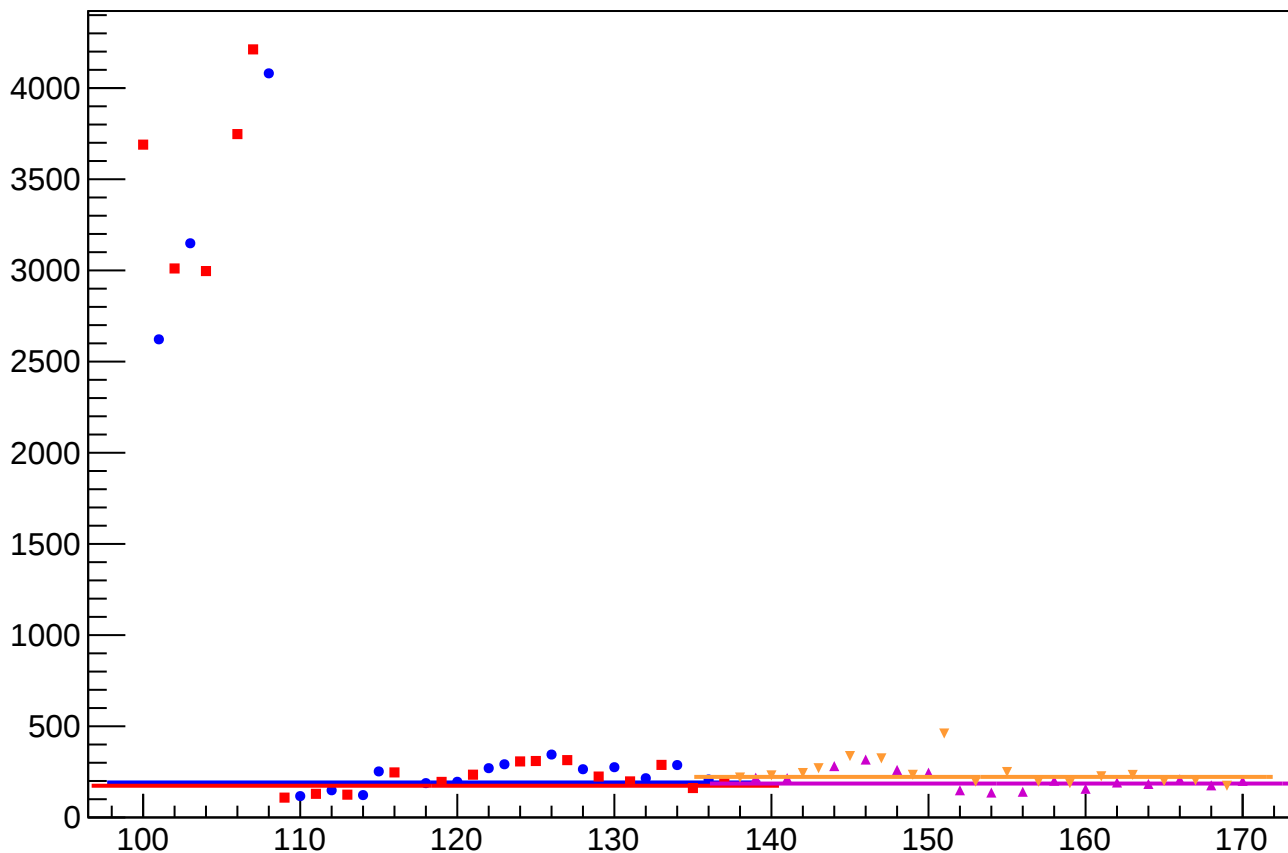
Left In: -54.724+/-55.427 χ^2/NDF : 5.4/15

+ sign 23.411+/-52.127 χ^2/NDF : 18.4/33

All: -12.191+/-34.398 χ^2/NDF : 36.0/68

- sign -39.651+/-45.780 χ^2/NDF : 16.7/34

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 191.880+/-0.062 χ^2/NDF : 3573060.2/16

Left Out: 222.427+/-0.046 χ^2/NDF : 1073827.2/16

Right Out: 173.928+/-0.057 χ^2/NDF : 4211385.1/18

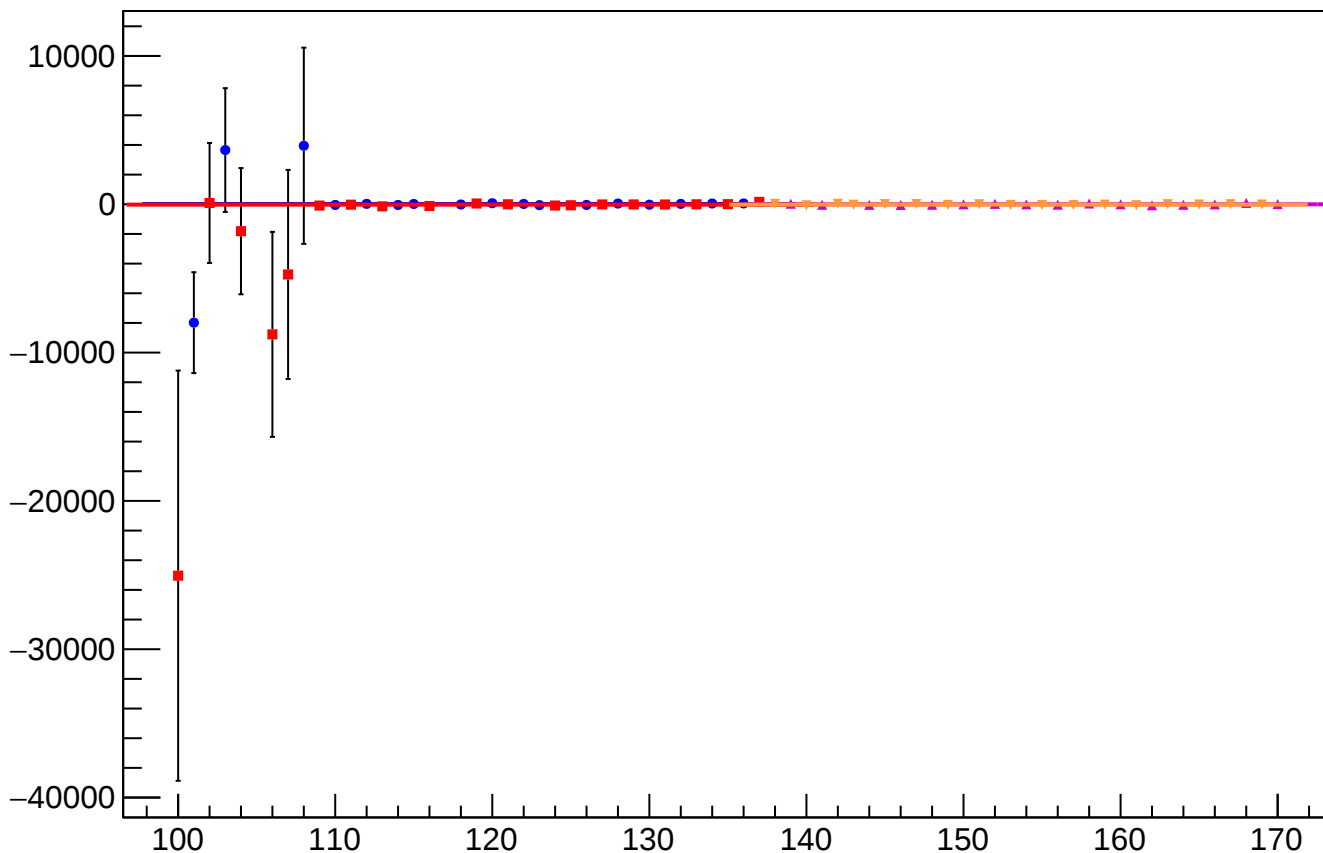
Left In: 185.920+/-0.039 χ^2/NDF : 1268373.9/15

+ sign 211.695+/-0.037 χ^2/NDF : 4803396.8/33

All: 194.992+/-0.024 χ^2/NDF : 10676651.7/68

- sign 182.109+/-0.032 χ^2/NDF : 5509513.5/34

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 14.121+/-13.618 χ^2/NDF : 15.2/16

Left Out: -20.236+/-8.852 χ^2/NDF : 11.6/16

Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

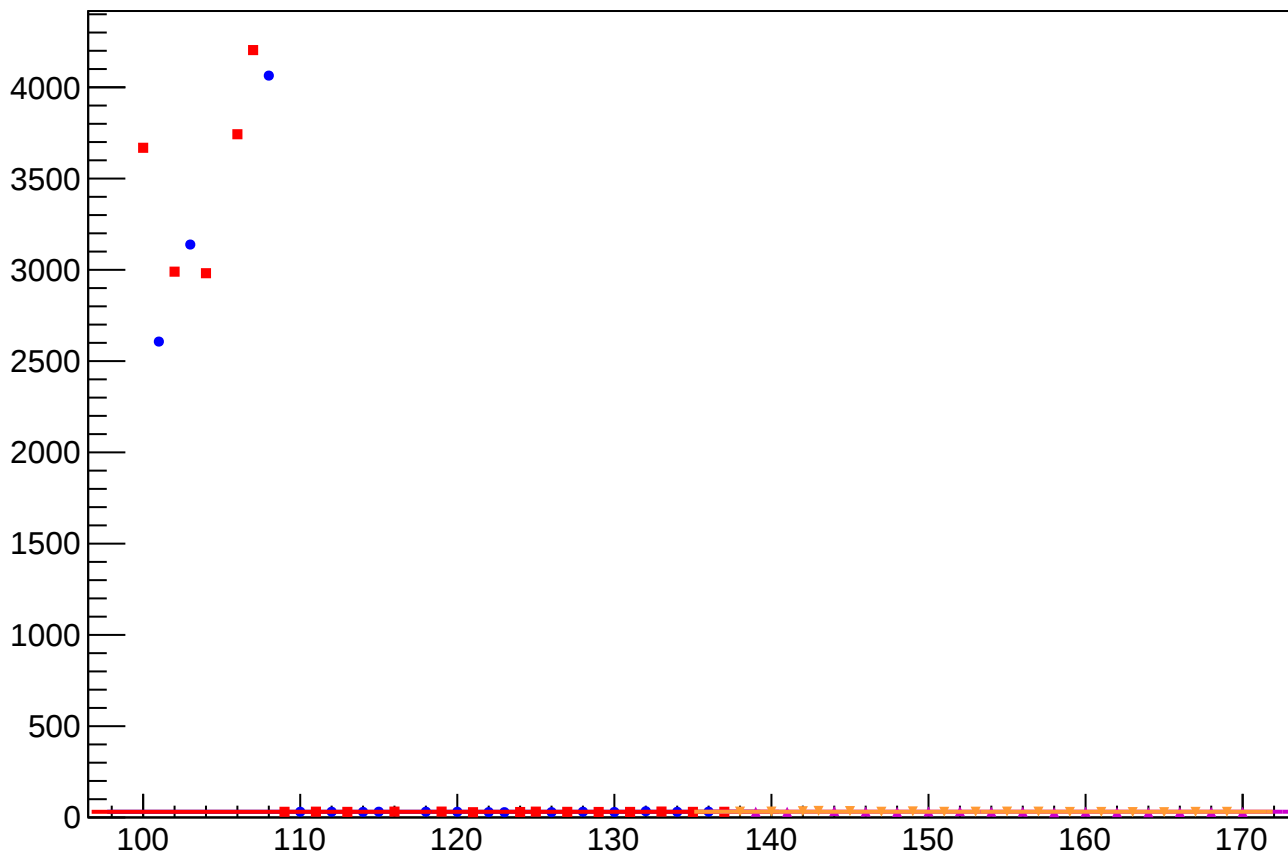
Left In: -2.647+/-8.896 χ^2/NDF : 21.9/15

+ sign -10.031+/-7.422 χ^2/NDF : 31.3/33

All: -9.430+/-5.259 χ^2/NDF : 82.3/68

- sign -8.823+/-7.454 χ^2/NDF : 51.0/34

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.127 $\pm$ 0.010 χ^2 /NDF: 3014425.9/16

Left Out: 31.453 $\pm$ 0.006 χ^2 /NDF: 72802.0/16

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

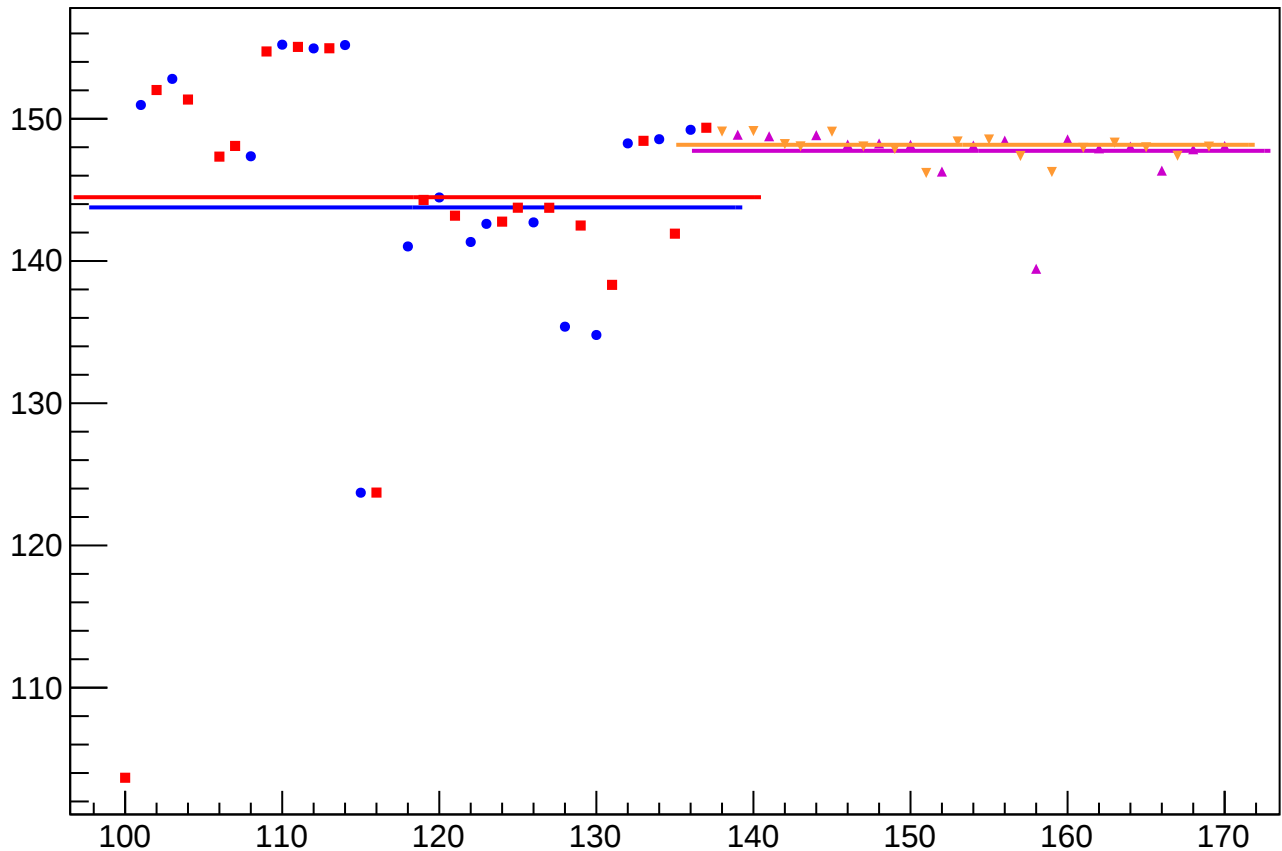
Left In: 31.326 $\pm$ 0.006 χ^2 /NDF: 80927.1/15

+ sign 31.356 $\pm$ 0.005 χ^2 /NDF: 3088033.5/33

All: 31.287 $\pm$ 0.004 χ^2 /NDF: 6629240.9/68

- sign 31.218 $\pm$ 0.005 χ^2 /NDF: 3540862.9/34

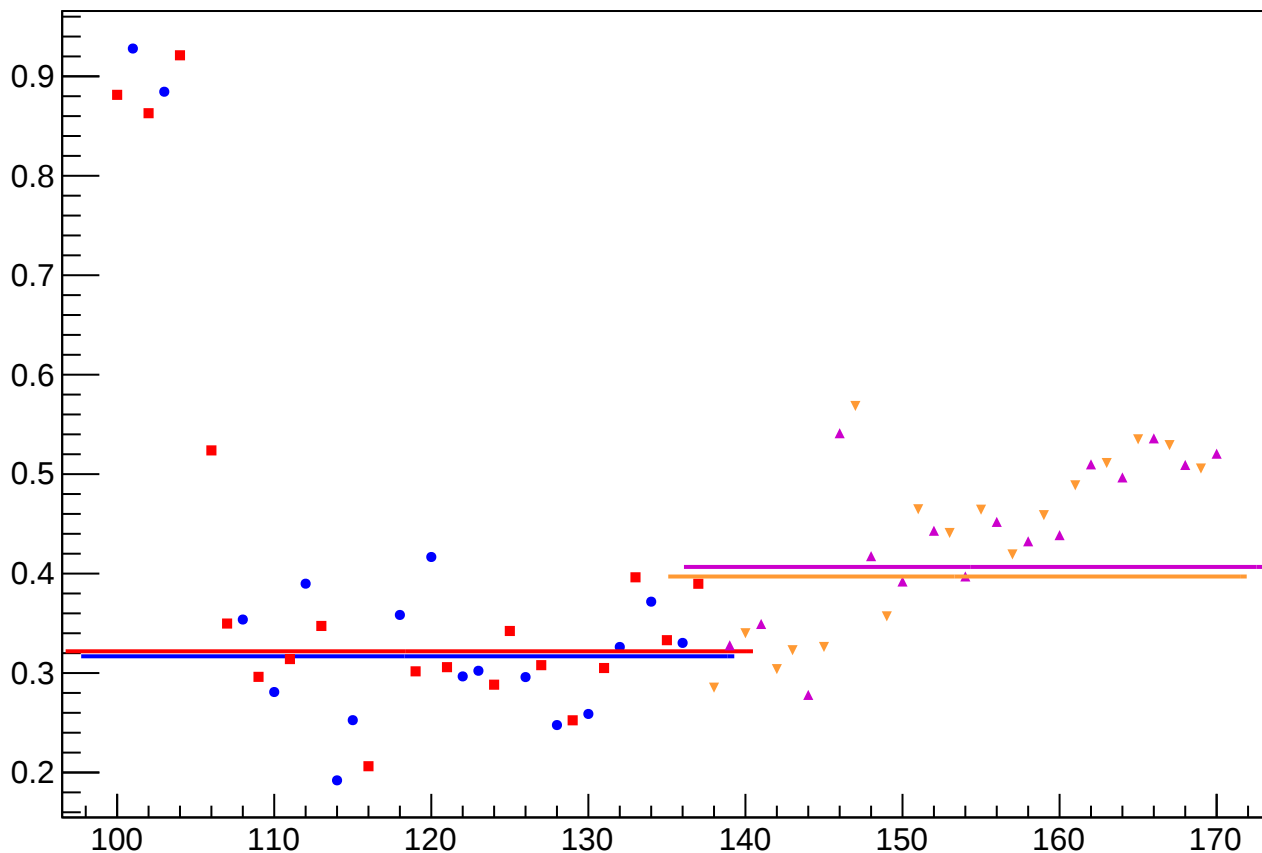
yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000 χ^2 /NDF: 3532173868.5/16
 Left Out: 148.171 $\pm$ 0.000 χ^2 /NDF: 52502830.6/16
 Right Out: 144.486 $\pm$ 0.000 χ^2 /NDF: 4183608291.3/18
 Left In: 147.747 $\pm$ 0.000 χ^2 /NDF: 324424289.3/15

+ sign 146.279 $\pm$ 0.000 χ^2 /NDF: 4200070095.7/33
 All: 146.285 $\pm$ 0.000 χ^2 /NDF: 9041059906.7
 - sign 146.290 $\pm$ 0.000 χ^2 /NDF: 4840982737.0/34

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.397 ± 0.000 χ^2/NDF : 1111355.6/16

Right Out: 0.322 ± 0.000 χ^2/NDF : 1217762.5/18

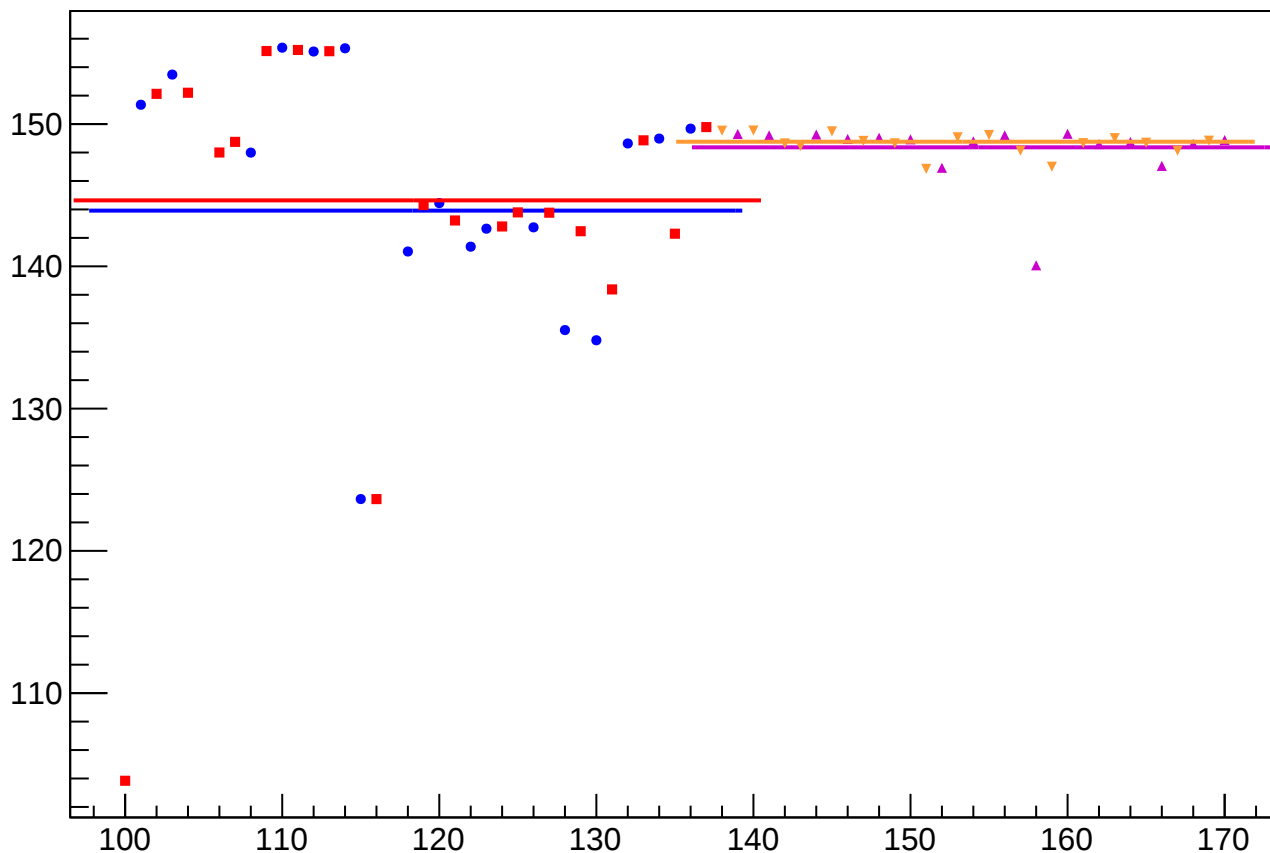
Left In: 0.407 ± 0.000 χ^2/NDF : 919258.7/15

+ sign 0.363 ± 0.000 χ^2/NDF : 2798649.9/33

All: 0.366 ± 0.000 χ^2/NDF : 5391142.9/68

- sign 0.369 ± 0.000 χ^2/NDF : 2587539.1/34

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16

Left Out: 148.759 $\pm$ 0.000 χ^2 /NDF: 40963361.5/16

Right Out: 144.637 $\pm$ 0.000 χ^2 /NDF: 4210524953.9/18

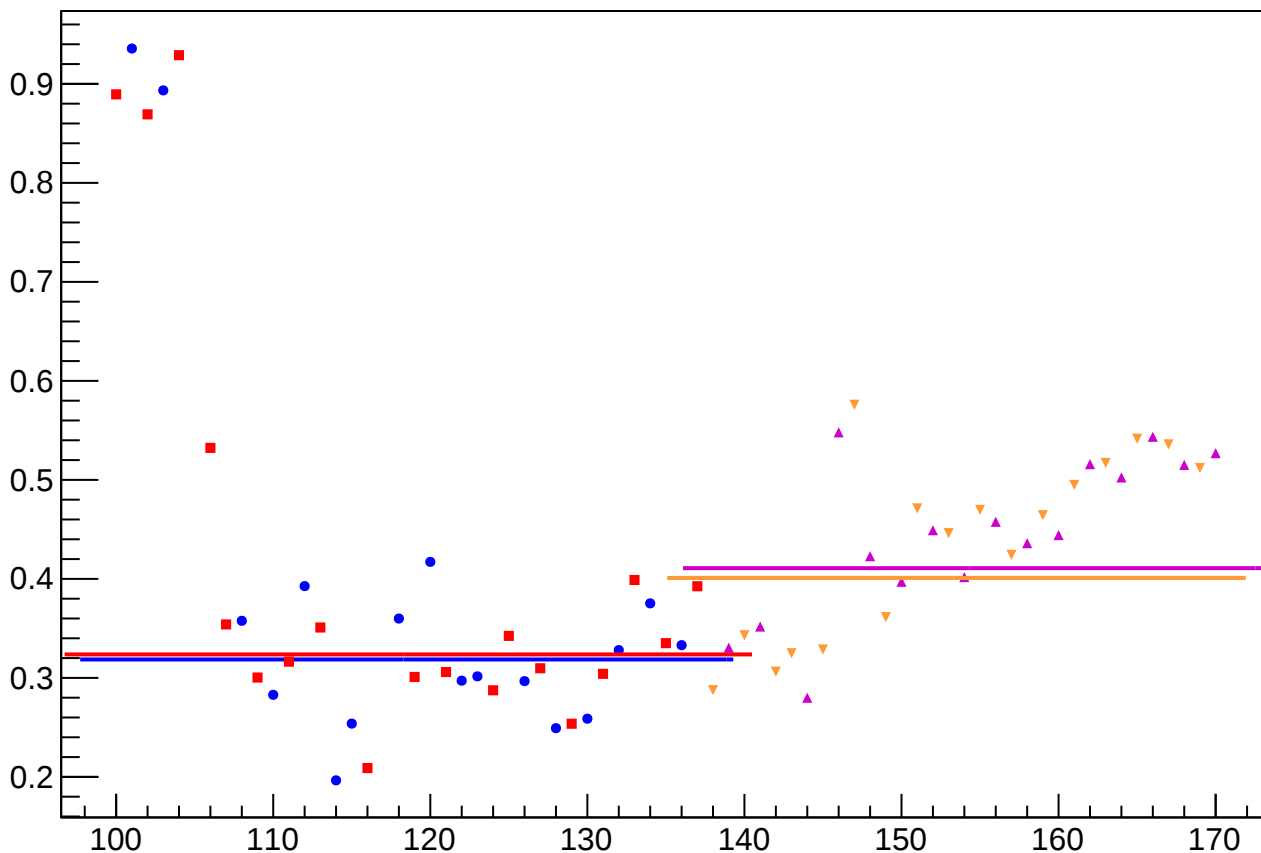
Left In: 148.365 $\pm$ 0.000 χ^2 /NDF: 313966421.2/15

+ sign 146.668 $\pm$ 0.000 χ^2 /NDF: 4358756152.7/33

All: 146.679 $\pm$ 0.000 χ^2 /NDF: 9311642225.6

- sign 146.691 $\pm$ 0.000 χ^2 /NDF: 4952851813.1/34

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 ± 0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.401 ± 0.000 χ^2/NDF : 1131905.0/16

Right Out: 0.324 ± 0.000 χ^2/NDF : 1220898.3/18

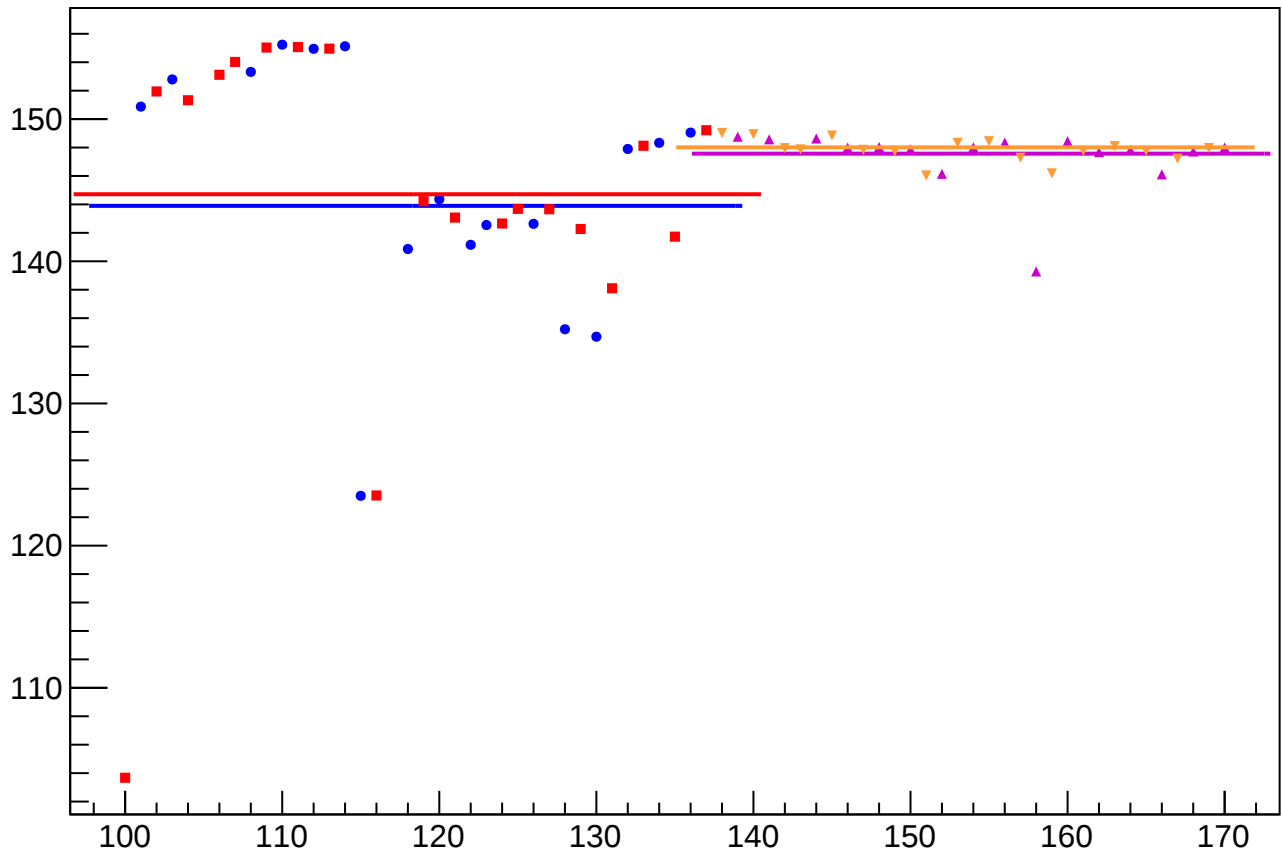
Left In: 0.411 ± 0.000 χ^2/NDF : 937684.8/15

+ sign 0.365 ± 0.000 χ^2/NDF : 2836840.4/33

All: 0.369 ± 0.000 χ^2/NDF : 5468175.3/68

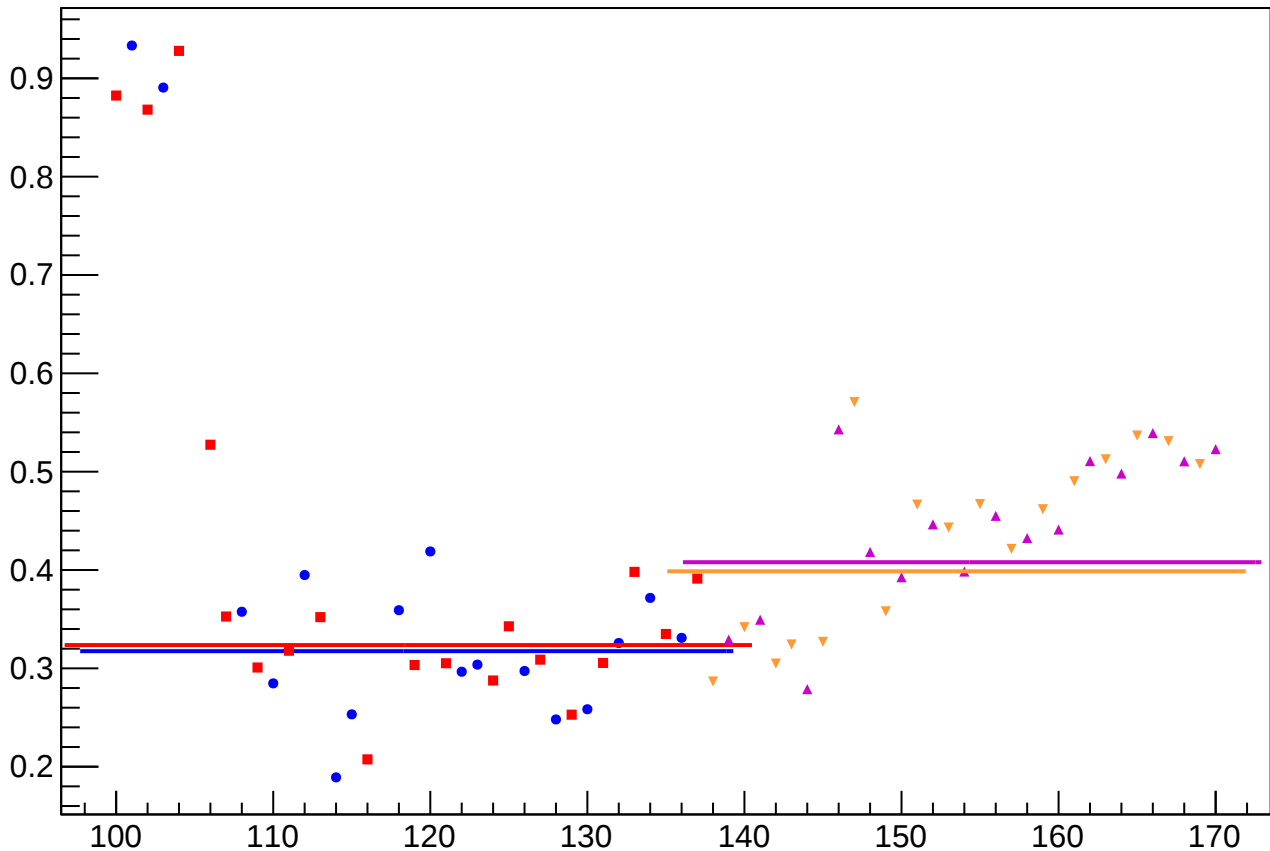
- sign 0.372 ± 0.000 χ^2/NDF : 2626319.4/34

yield_bcm_an_us_mean vs Slug



Right In: 143.899 $\pm$ 0.000	χ^2 /NDF: 3749888331.0/16	+ sign 146.243 $\pm$ 0.000	χ^2 /NDF: 4334459757.3/33
Left Out: 148.013 $\pm$ 0.000	χ^2 /NDF: 50932277.6/16	All: 146.270 $\pm$ 0.000	χ^2 /NDF: 9385436038.3
Right Out: 144.715 $\pm$ 0.000	χ^2 /NDF: 4474458988.7/18	- sign 146.298 $\pm$ 0.000	χ^2 /NDF: 5050784955.5/34
Left In: 147.570 $\pm$ 0.000	χ^2 /NDF: 323517529.7/15		

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.399 ± 0.000 χ^2/NDF : 1112279.6/16

Right Out: 0.324 ± 0.000 χ^2/NDF : 1221676.7/18

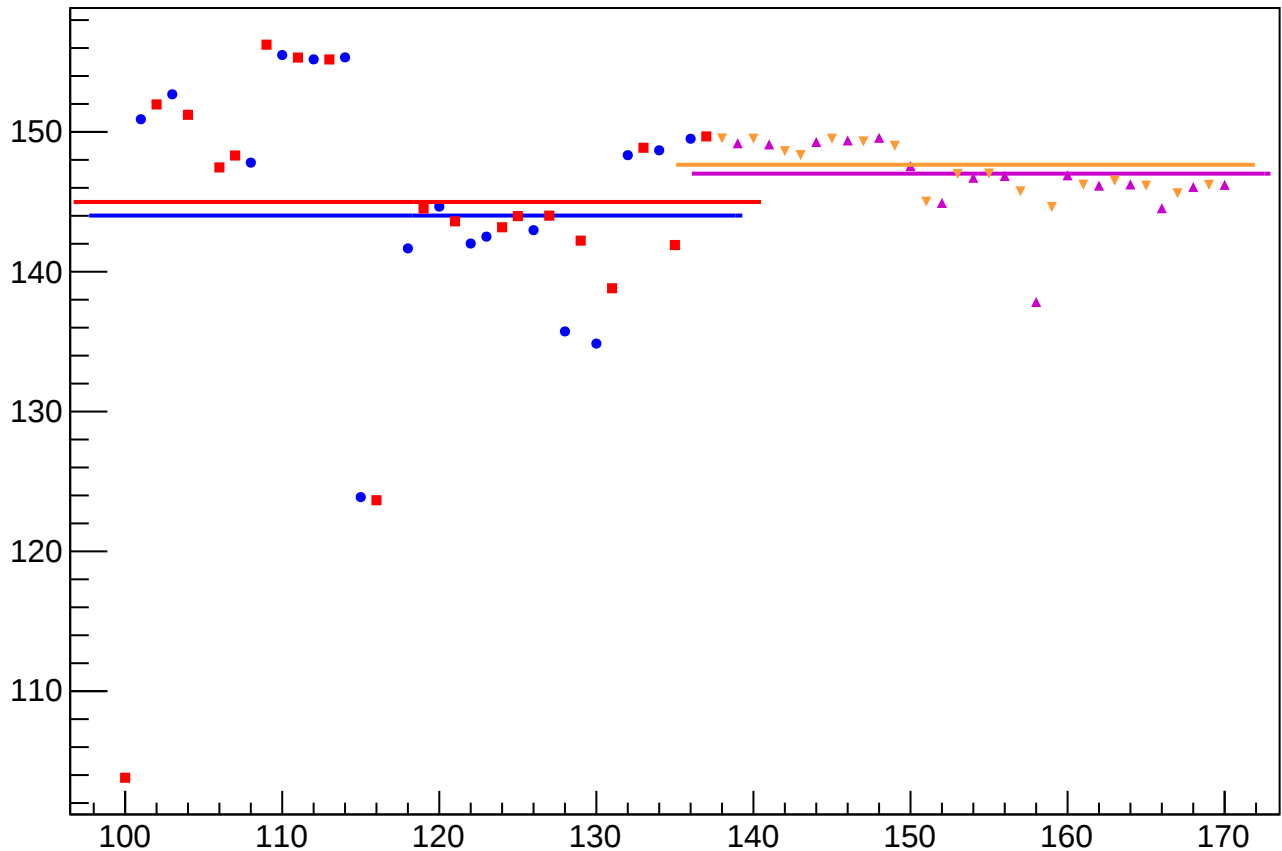
Left In: 0.408 ± 0.000 χ^2/NDF : 924378.2/15

+ sign 0.364 ± 0.000 χ^2/NDF : 2821065.7/33

All: 0.367 ± 0.000 χ^2/NDF : 5413436.7/68

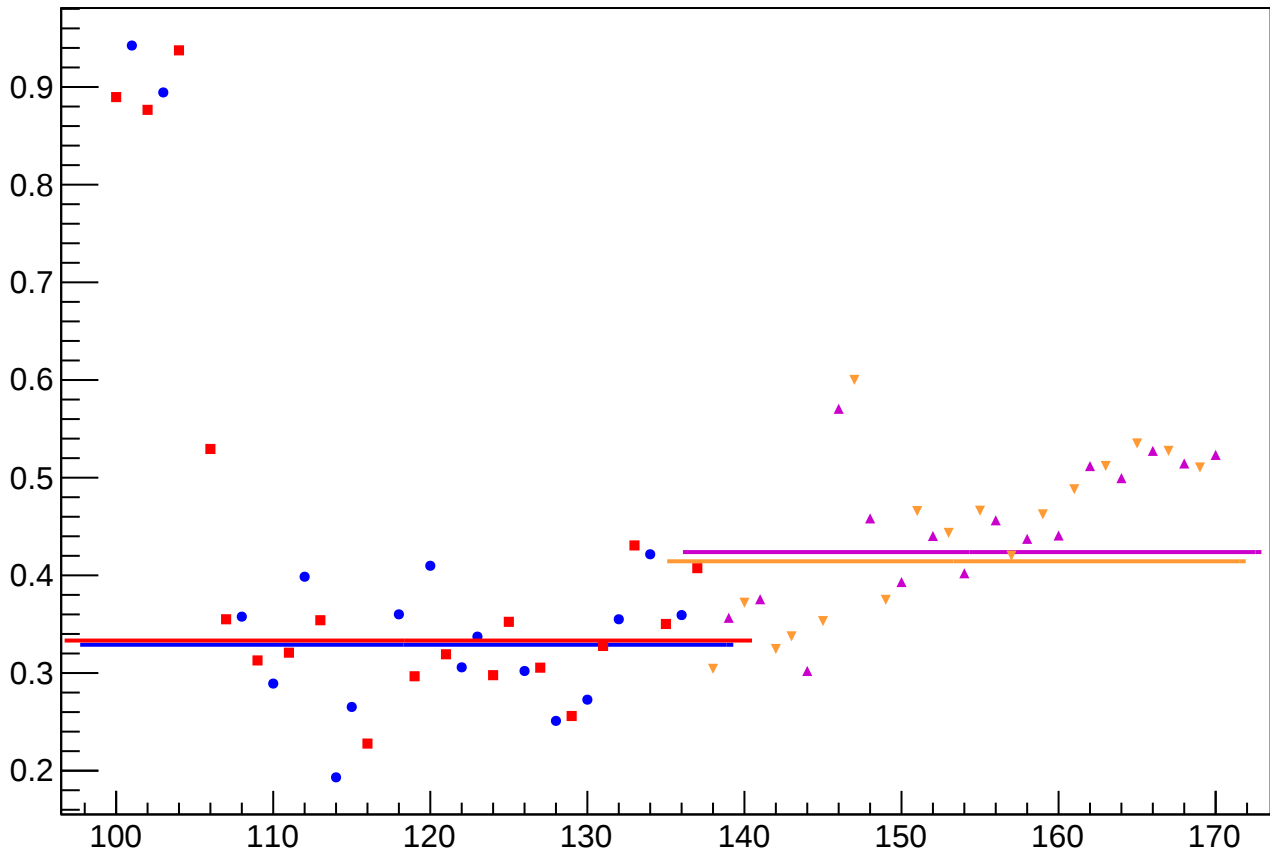
- sign 0.370 ± 0.000 χ^2/NDF : 2586772.0/34

yield_bcm_dg_us_mean vs Slug



Right In: 144.018+/-0.000	χ^2/NDF : 3238525527.6/16	+ sign 146.091+/-0.000	χ^2/NDF : 3821426434.5/33
Left Out: 147.651+/-0.000	χ^2/NDF : 195874014.7/16	All: 146.100+/-0.000	χ^2/NDF : 8297106675.8
Right Out: 144.990+/-0.000	χ^2/NDF : 3853449012.9/18	- sign 146.109+/-0.000	χ^2/NDF : 4475660462.6/34
Left In: 147.016+/-0.000	χ^2/NDF : 502724522.9/15		

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.414 ± 0.000 χ^2/NDF : 865348.5/16

Right Out: 0.333 ± 0.000 χ^2/NDF : 1182496.7/18

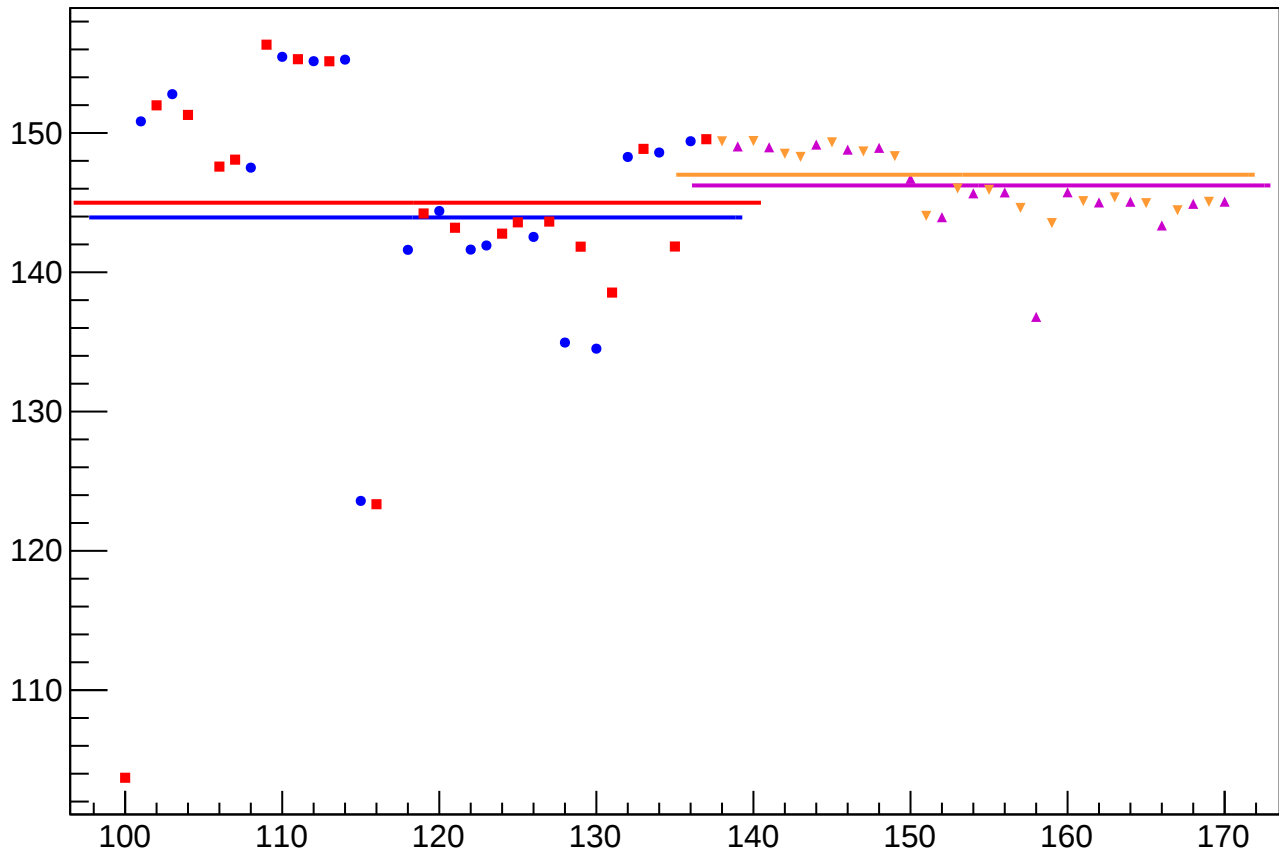
Left In: 0.424 ± 0.000 χ^2/NDF : 700011.0/15

+ sign 0.378 ± 0.000 χ^2/NDF : 2569501.4/33

All: 0.380 ± 0.000 χ^2/NDF : 4933386.8/68

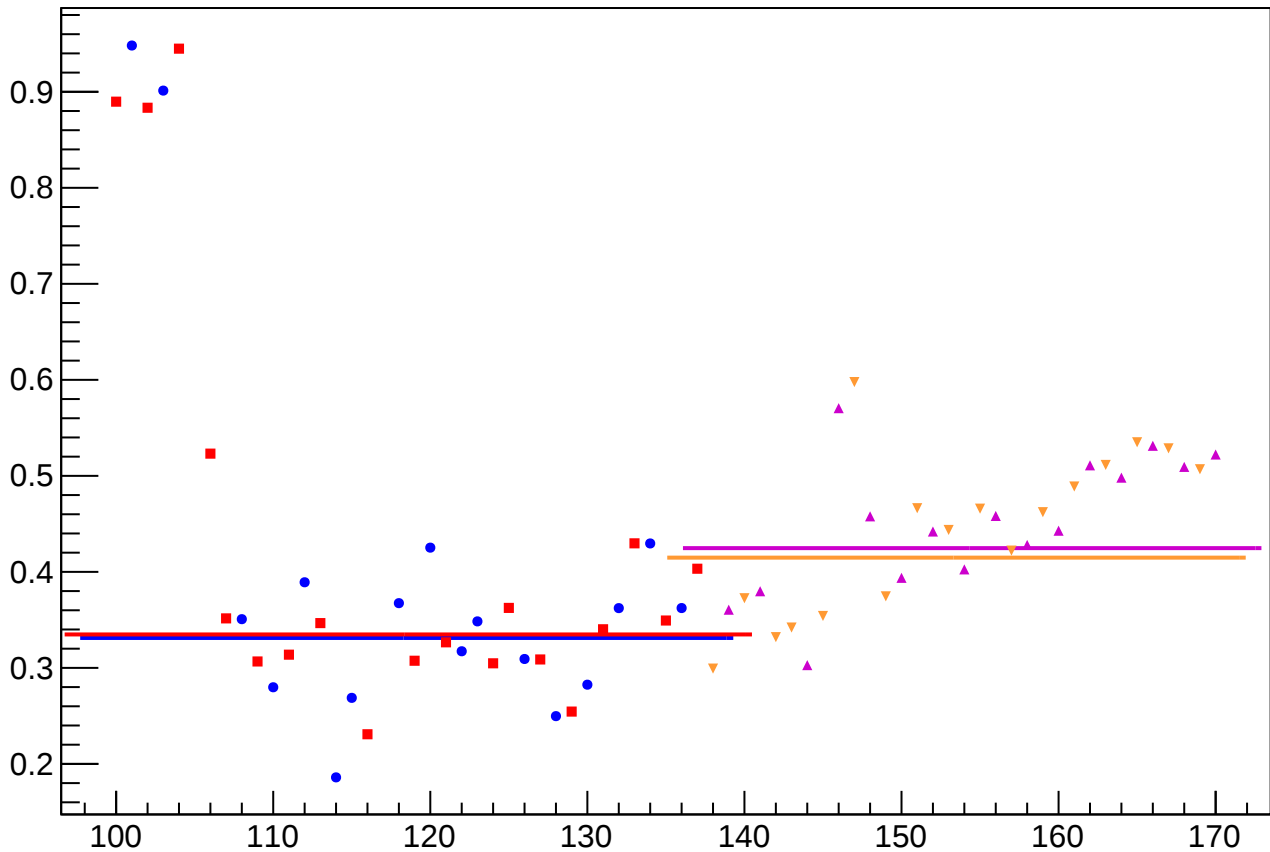
- sign 0.383 ± 0.000 χ^2/NDF : 2360188.2/34

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000	χ^2 /NDF: 3379203532.9/16	+ sign 145.697 $\pm$ 0.000	χ^2 /NDF: 3954049916.4/33
Left Out: 147.004 $\pm$ 0.000	χ^2 /NDF: 302124989.4/16	All: 145.690 $\pm$ 0.000	χ^2 /NDF: 8554327139.4
Right Out: 144.995 $\pm$ 0.000	χ^2 /NDF: 3934069043.2/18	- sign 145.682 $\pm$ 0.000	χ^2 /NDF: 4600262445.5/34
Left In: 146.235 $\pm$ 0.000	χ^2 /NDF: 621803088.6/15		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 ± 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.415 ± 0.000 χ^2/NDF : 860025.0/16

Right Out: 0.335 ± 0.000 χ^2/NDF : 1172239.8/18

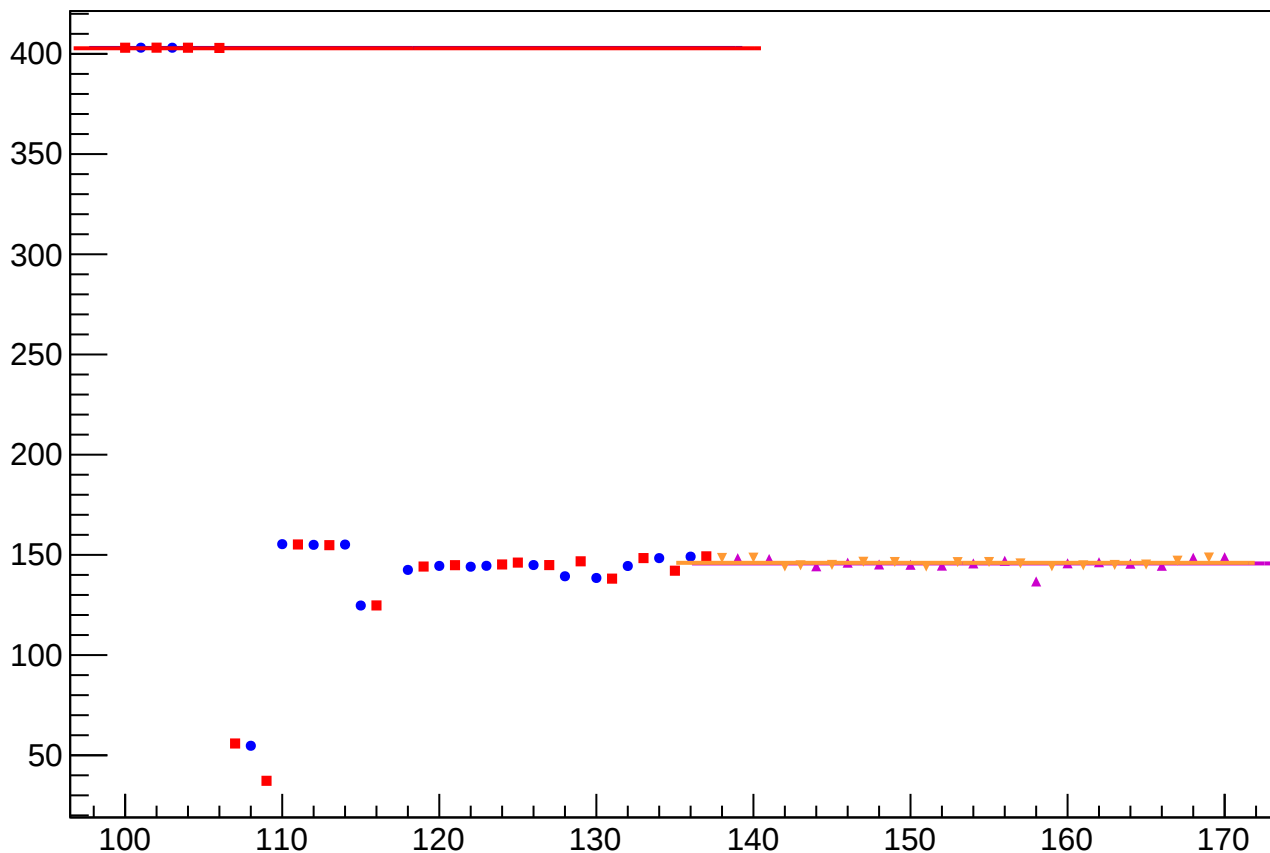
Left In: 0.425 ± 0.000 χ^2/NDF : 676008.7/15

+ sign 0.379 ± 0.000 χ^2/NDF : 2561555.7/33

All: 0.382 ± 0.000 χ^2/NDF : 4880048.2/68

- sign 0.385 ± 0.000 χ^2/NDF : 2315016.7/34

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 146.035+/-0.000 χ^2/NDF : 59381314.4/16

Right Out: 402.799+/-0.000 χ^2/NDF : 3103890772575.4/18

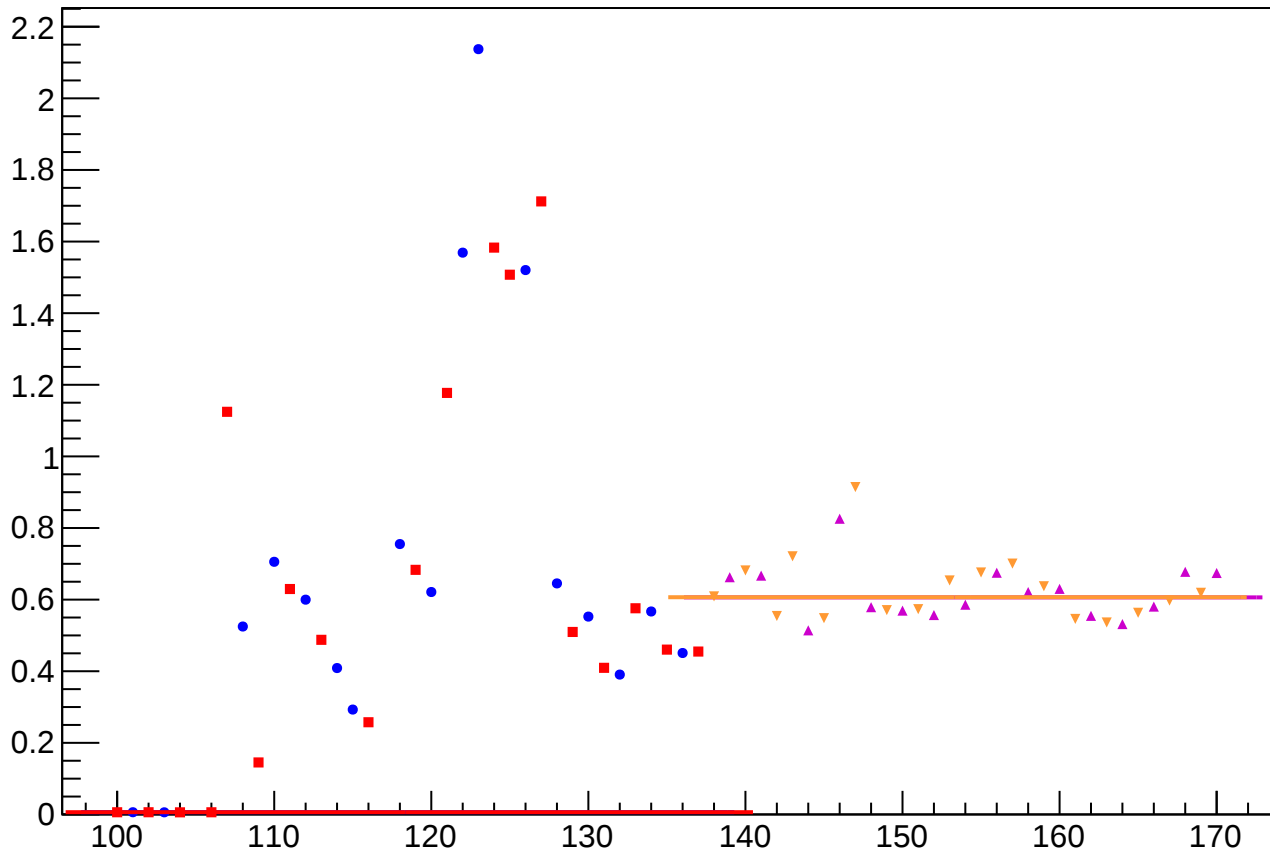
Left In: 145.726+/-0.000 χ^2/NDF : 164804181.5/15

+ sign 402.750+/-0.000 χ^2/NDF : 2758587151573.8

All: 402.679+/-0.000 χ^2/NDF : 751869476454

- sign 402.616+/-0.000 χ^2/NDF : 4759811662336.8

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.607+/-0.000 χ^2/NDF :256192.3/16

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

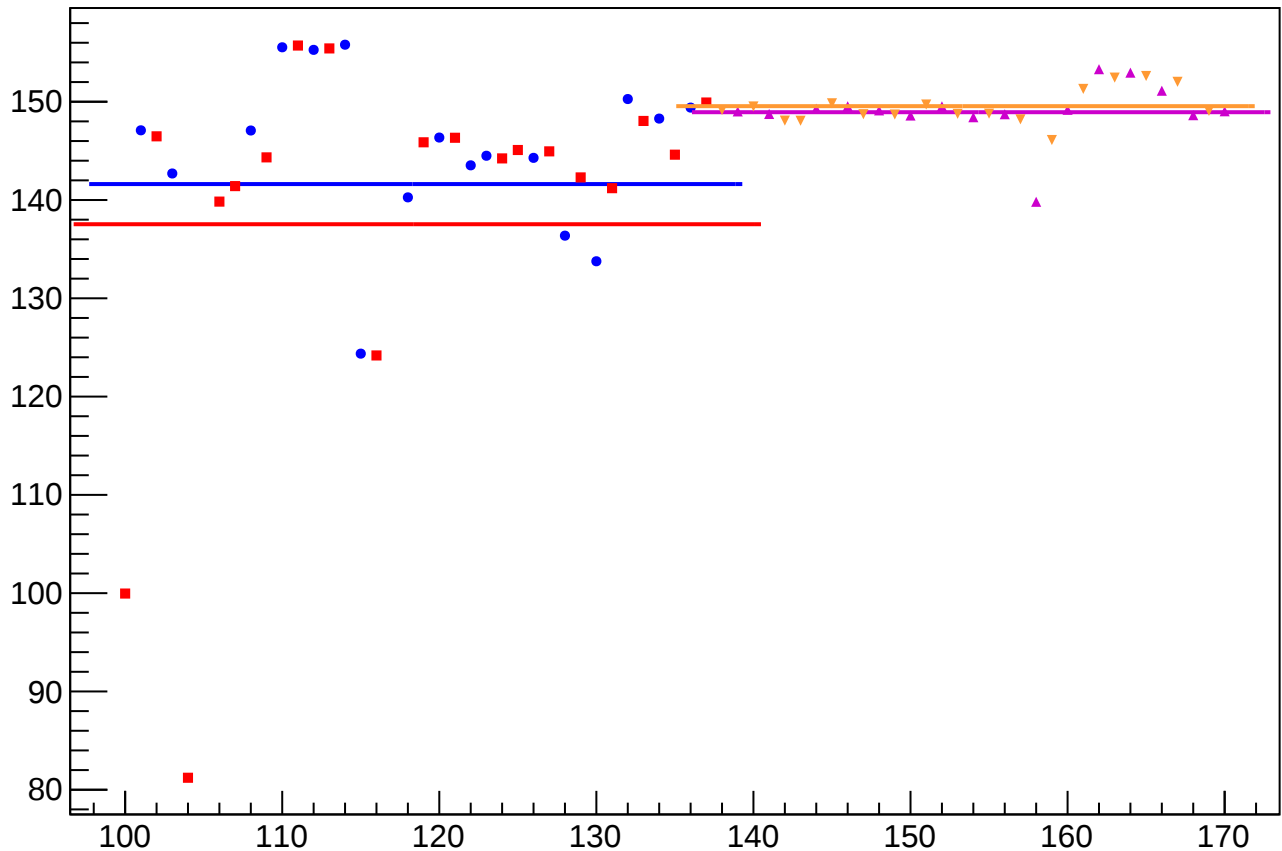
Left In: 0.606+/-0.000 χ^2/NDF :226629.7/15

+ sign 0.007+/-0.000 χ^2/NDF : 27564906.7/33

All: 0.007+/-0.000 χ^2/NDF : 55038745.0/68

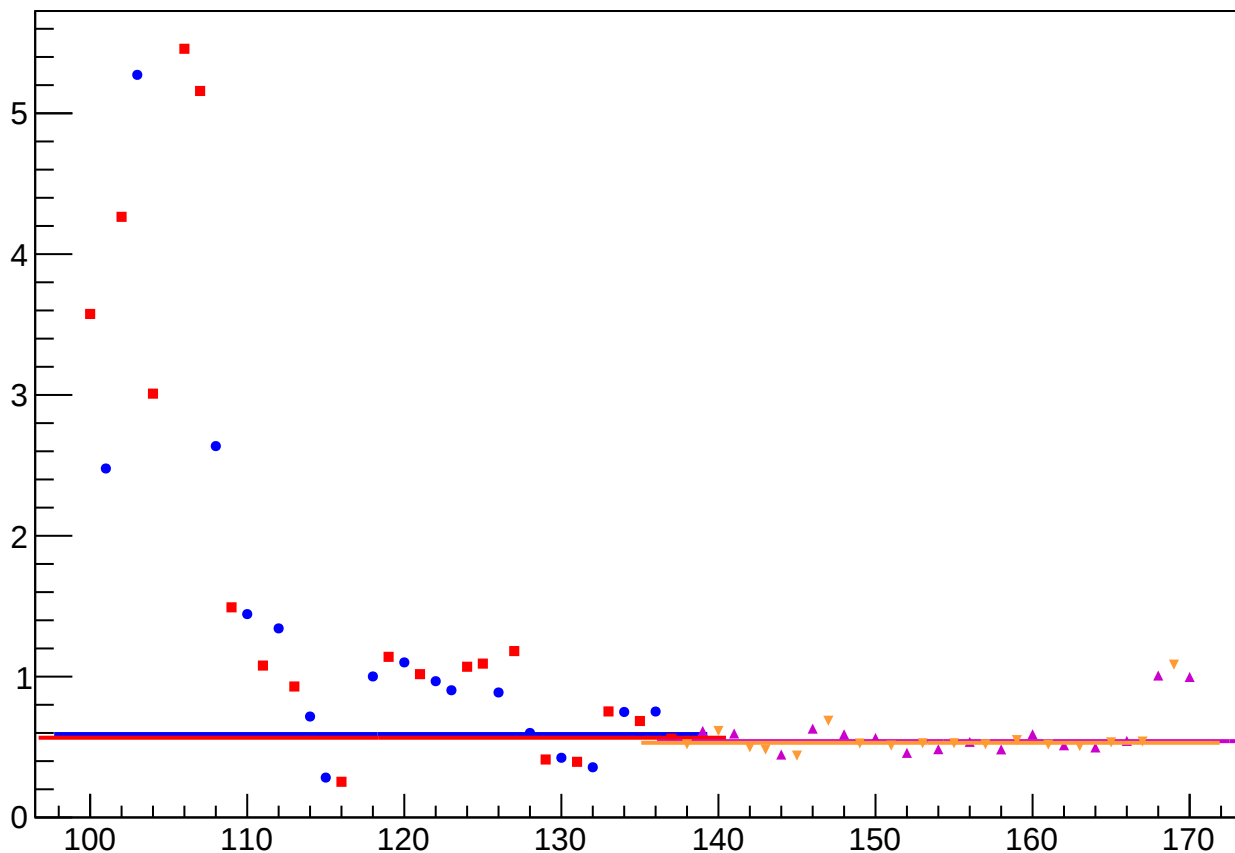
- sign 0.007+/-0.000 χ^2/NDF : 27473674.9/34

yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000	χ^2 /NDF: 982037737.7/16	+ sign 147.916 $\pm$ 0.000	χ^2 /NDF: 1606030402.9/33
Left Out: 149.549 $\pm$ 0.000	χ^2 /NDF: 119138973.2/16	All: 147.153 $\pm$ 0.000	χ^2 /NDF: 4410867568.1
Right Out: 137.536 $\pm$ 0.000	χ^2 /NDF: 1315768553.6/18	- sign 146.354 $\pm$ 0.000	χ^2 /NDF: 2746338080.0/34
Left In: 148.934 $\pm$ 0.000	χ^2 /NDF: 363128035.5/15		

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.530 $\pm$ 0.000 χ^2 /NDF: 527684.3/16

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4682140.9/18

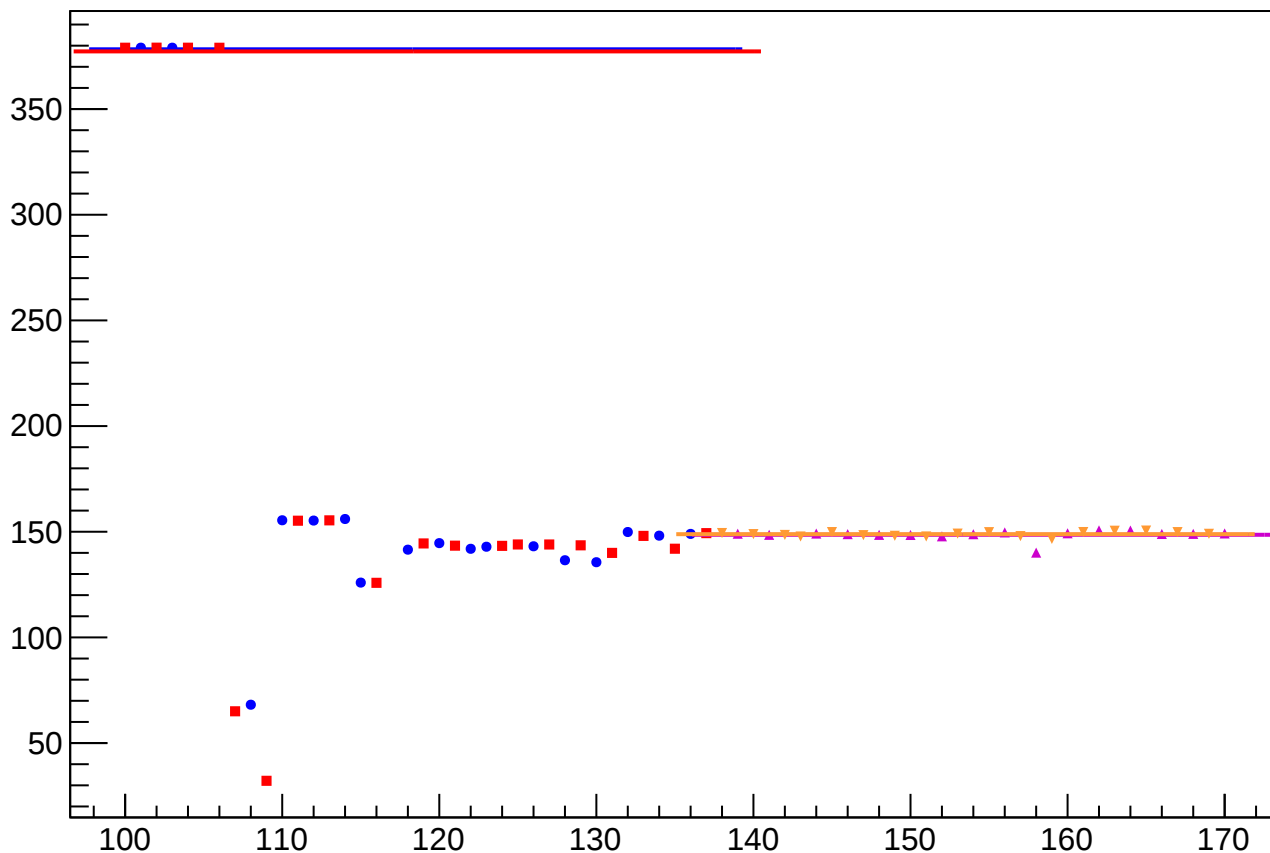
Left In: 0.542 $\pm$ 0.000 χ^2 /NDF: 832479.5/15

+ sign 0.543 $\pm$ 0.000 χ^2 /NDF: 4111092.0/33

All: 0.545 $\pm$ 0.000 χ^2 /NDF: 9636366.0/68

- sign 0.547 $\pm$ 0.000 χ^2 /NDF: 5524386.3/34

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.843+/-0.000 χ^2/NDF : 59976667.2/16

Right Out: 377.289+/-0.000 χ^2/NDF : 8279468194444.1/18

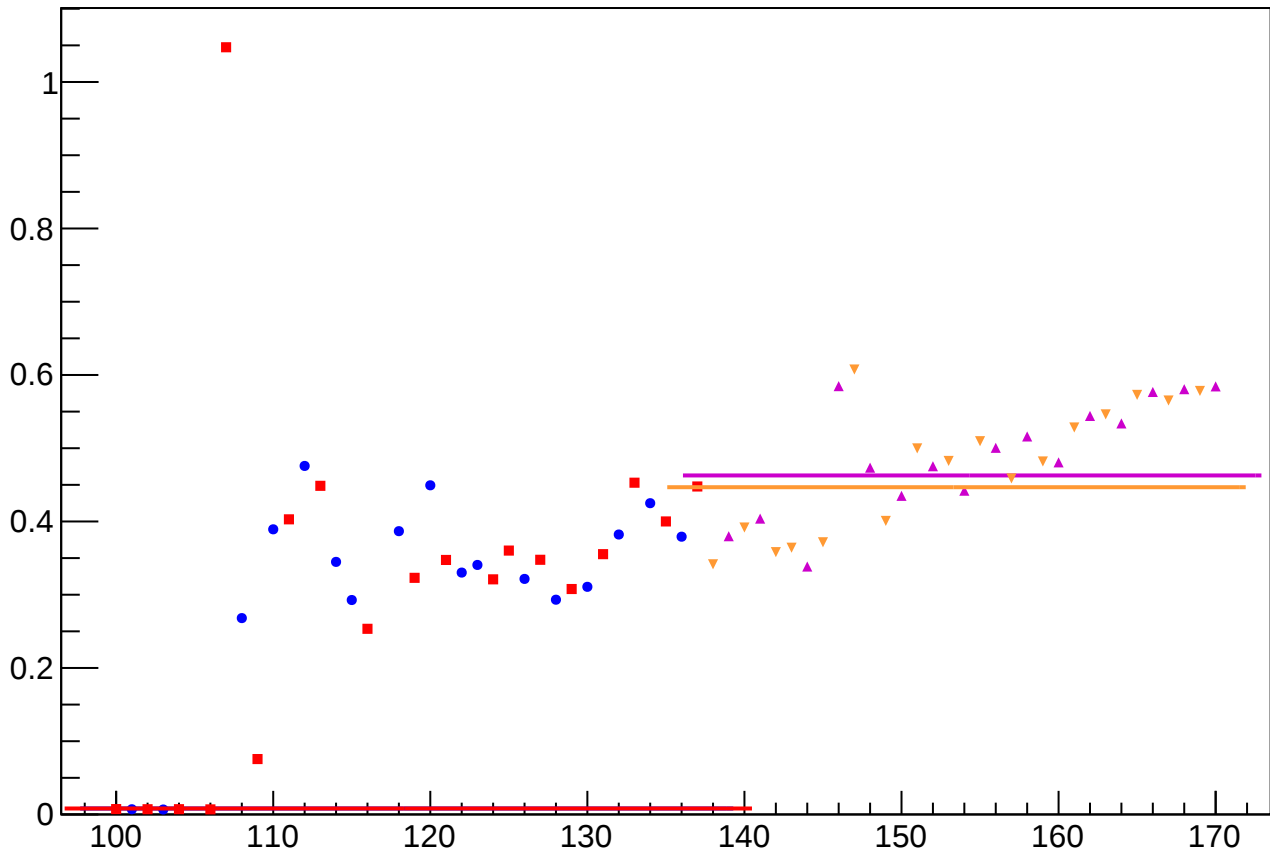
Left In: 148.559+/-0.000 χ^2/NDF : 234387968.0/15

+ sign 377.264+/-0.000 χ^2/NDF : 5621855255124.4

All: 376.838+/-0.000 χ^2/NDF : 167702288198

- sign 376.464+/-0.000 χ^2/NDF : 11143823345216.6

yield_cav4dQ_rms vs Slug



Right In: 0.008 ± 0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.447 ± 0.000 χ^2/NDF : 814481.0/16

Right Out: 0.008 ± 0.000 χ^2/NDF : 9535410.6/18

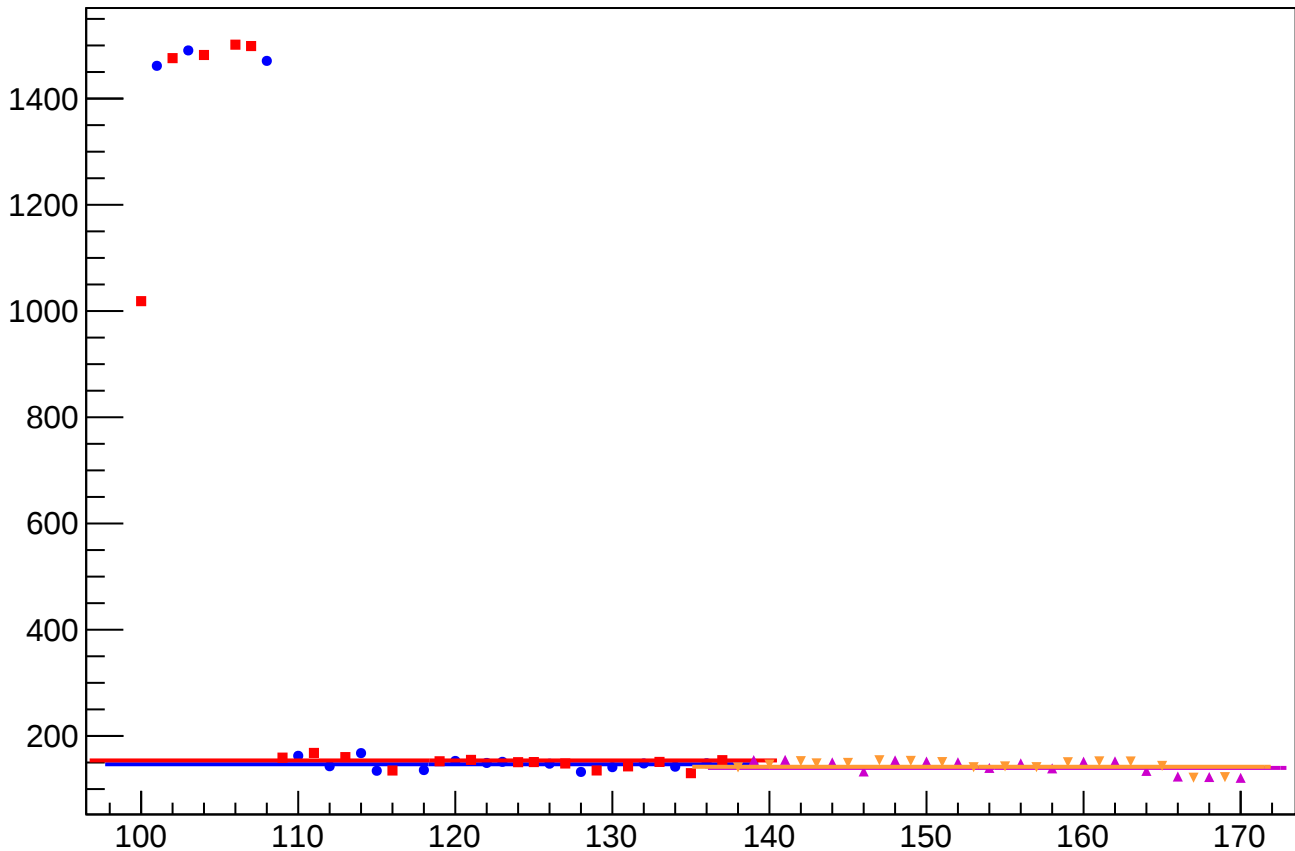
Left In: 0.463 ± 0.000 χ^2/NDF : 663186.4/15

+ sign 0.010 ± 0.000 χ^2/NDF : 33431193.5/33

All: 0.010 ± 0.000 χ^2/NDF : 66267383.6/68

- sign 0.010 ± 0.000 χ^2/NDF : 32835019.3/34

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 141.972+/-0.000 χ^2/NDF : 1865719573.7/16

Right Out: 153.887+/-0.000 χ^2/NDF : 33738118250.9/18

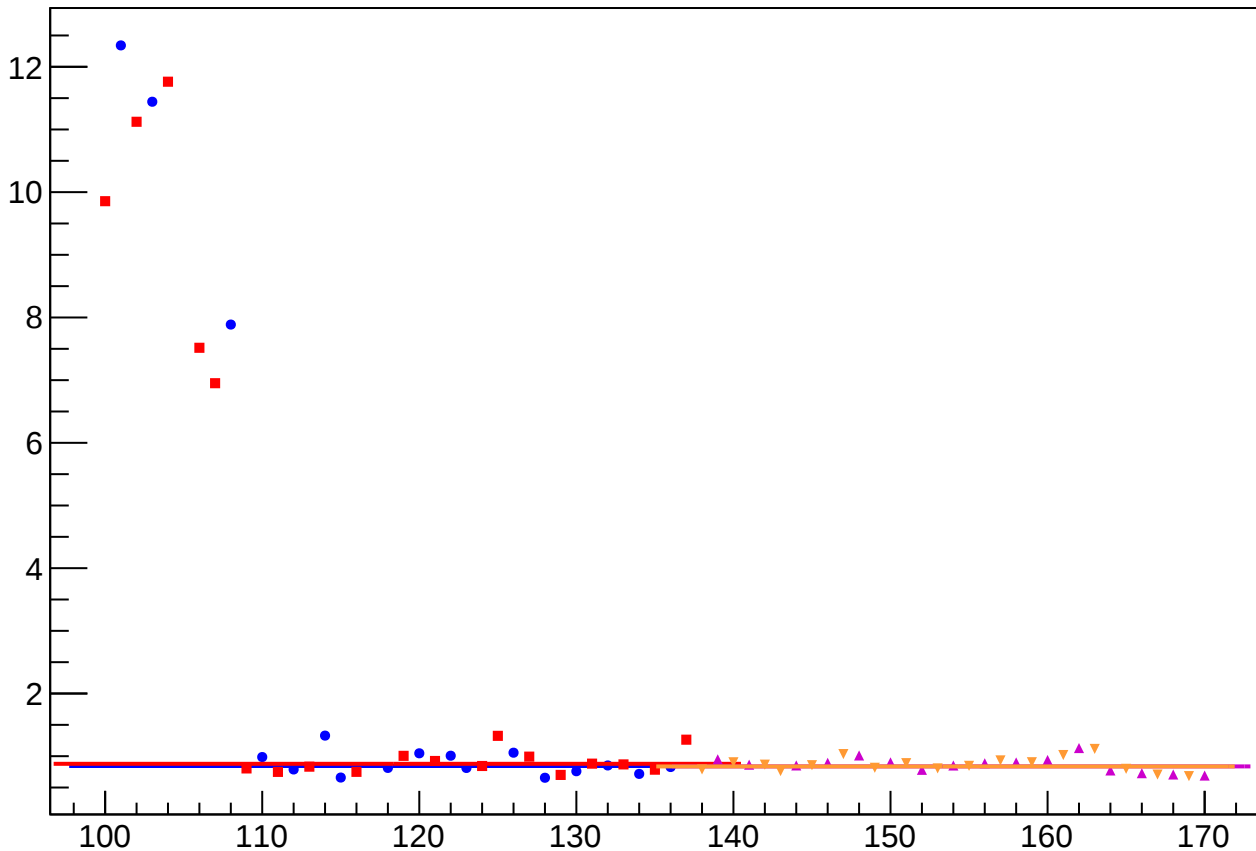
Left In: 139.847+/-0.000 χ^2/NDF : 2391788219.6/15

+ sign 143.250+/-0.000 χ^2/NDF : 26304931962.2/33

All: 143.415+/-0.000 χ^2/NDF : 63201682802.0

- sign 143.579+/-0.000 χ^2/NDF : 36895674821.7/34

yield_bcm0l02_rms vs Slug



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.837+/-0.000 χ^2/NDF : 349968.8/16

Right Out: 0.878+/-0.000 χ^2/NDF : 2812500.6/18

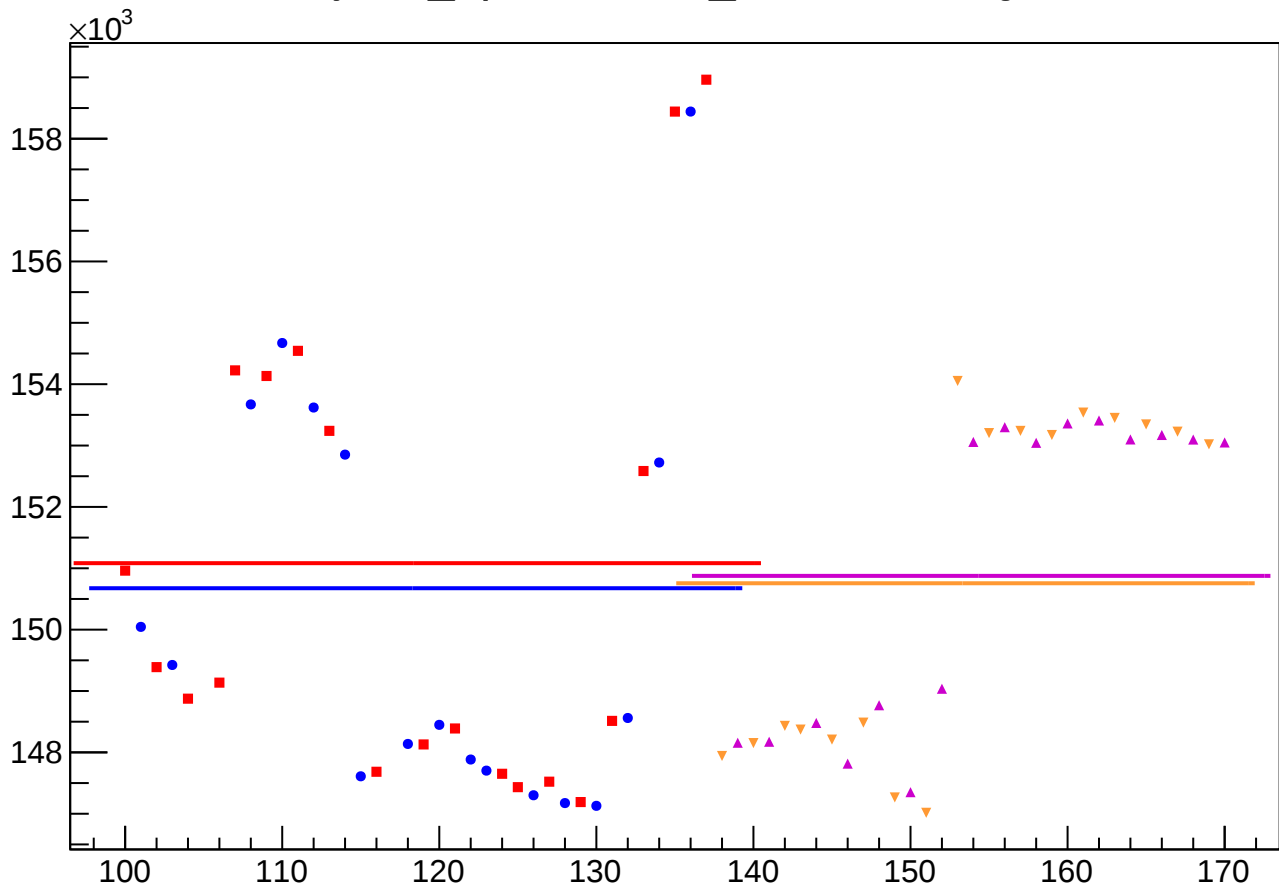
Left In: 0.837+/-0.000 χ^2/NDF : 344249.8/15

+ sign 0.838+/-0.000 χ^2/NDF : 3020829.0/33

All: 0.843+/-0.000 χ^2/NDF : 6192612.4/68

- sign 0.848+/-0.000 χ^2/NDF : 3169958.9/34

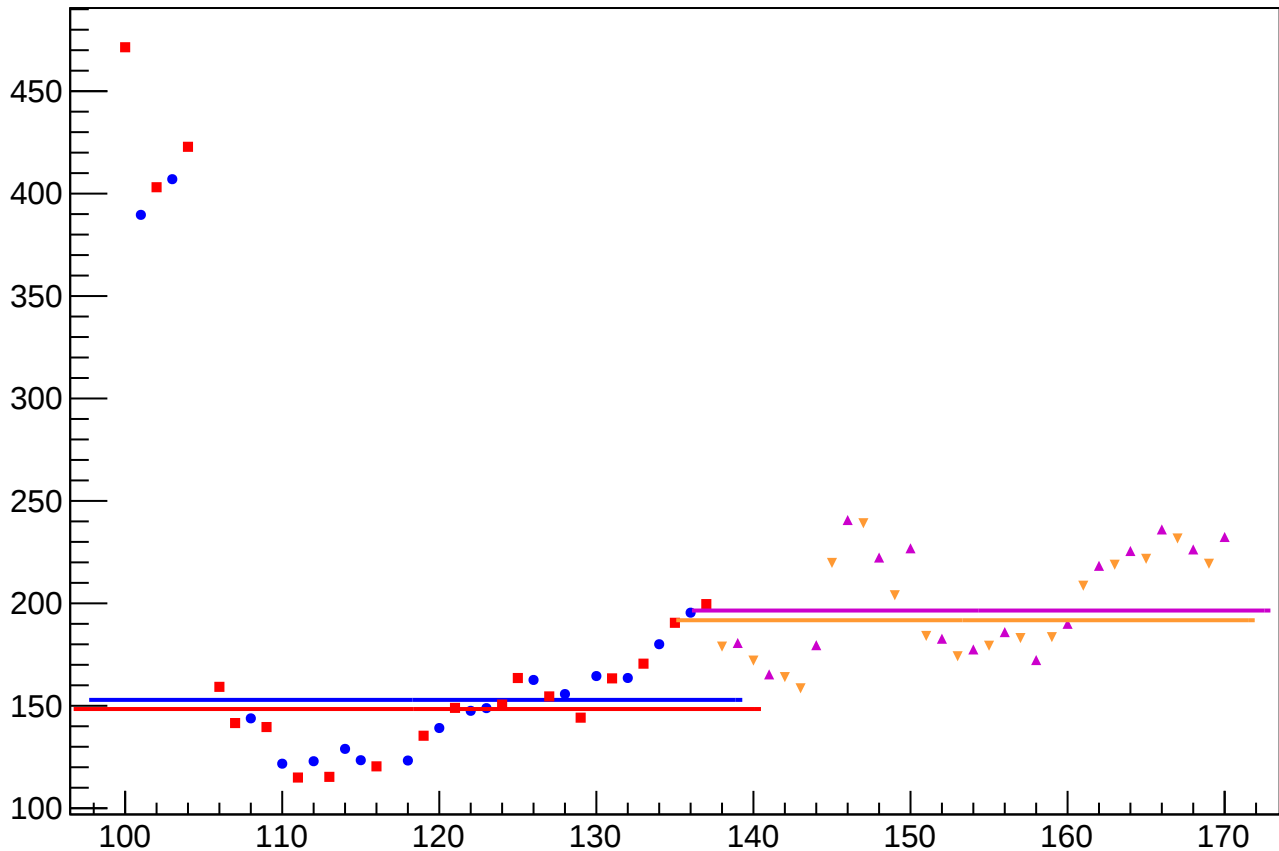
yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 ± 0.063 $\chi^2/\text{NDF}: 3309974859.4/16$
 Left Out: 150755.915 ± 0.055 $\chi^2/\text{NDF}: 2536290109.0/16$
 Right Out: 151083.268 ± 0.060 $\chi^2/\text{NDF}: 3300830370.5/18$
 Left In: 150876.329 ± 0.056 $\chi^2/\text{NDF}: 1895676084.9/15$

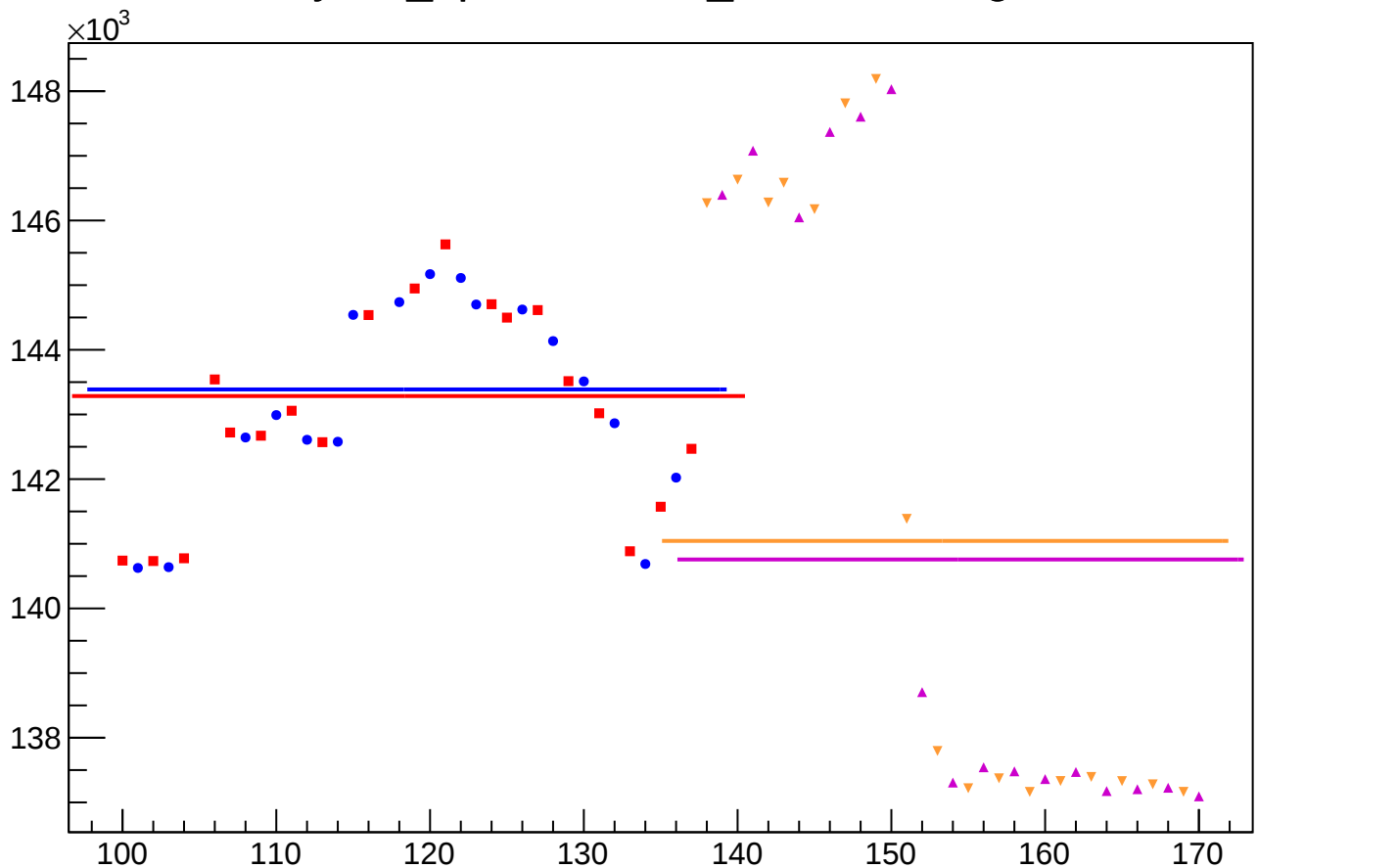
+ sign 150721.200 ± 0.041 $\chi^2/\text{NDF}: 5847207175.0/16$
 All: 150848.336 ± 0.029 $\chi^2/\text{NDF}: 110689509.0/16$
 - sign 150973.961 ± 0.041 $\chi^2/\text{NDF}: 5202854807.7/16$

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 ± 0.045	$\chi^2/\text{NDF}: 1154088.7/16$	+ sign 175.072 ± 0.029	$\chi^2/\text{NDF}: 1948399.0/33$
Left Out: 191.754 ± 0.039	$\chi^2/\text{NDF}: 359150.2/16$	All: 174.439 ± 0.021	$\chi^2/\text{NDF}: 4215487.1/68$
Right Out: 148.418 ± 0.042	$\chi^2/\text{NDF}: 1191577.6/18$	- sign 173.813 ± 0.029	$\chi^2/\text{NDF}: 2266150.1/34$
Left In: 196.495 ± 0.040	$\chi^2/\text{NDF}: 389266.8/15$		

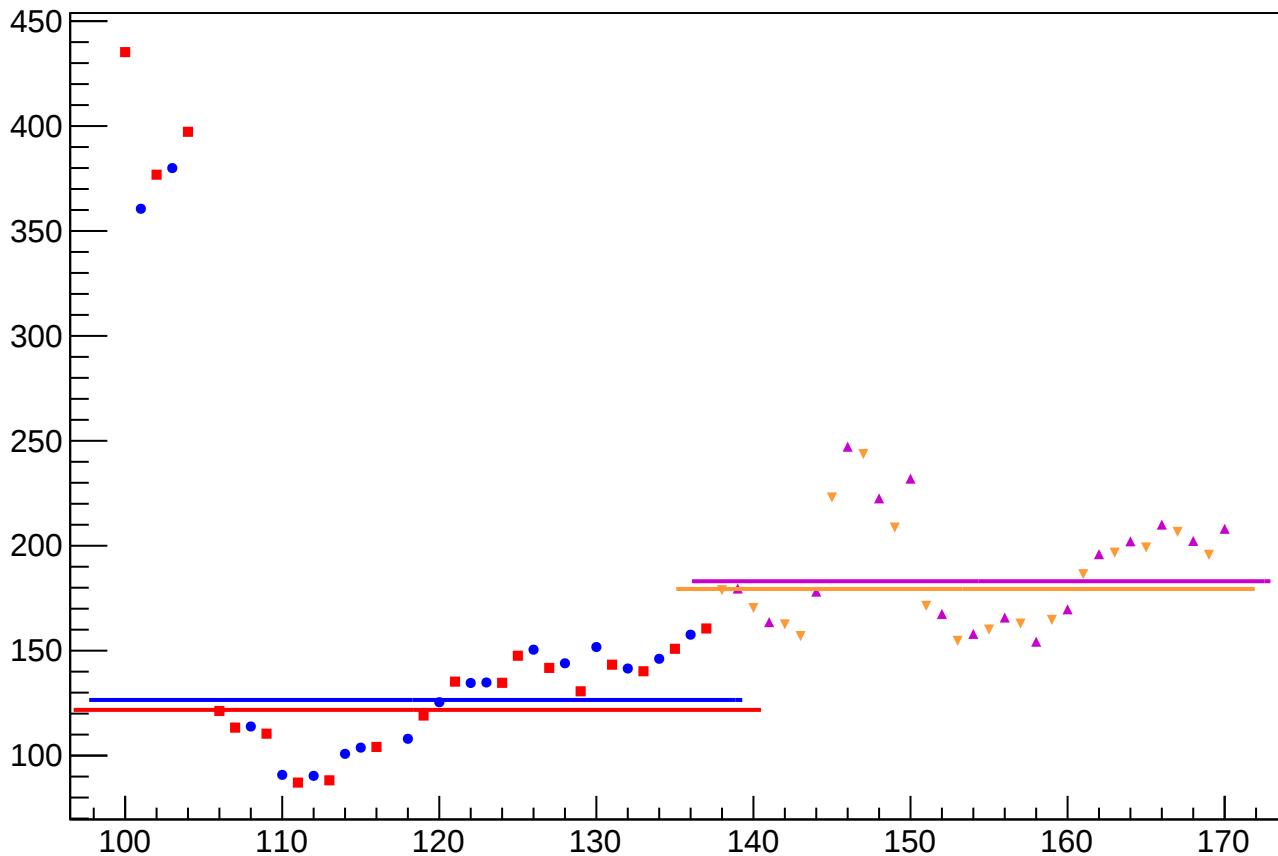
yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 ± 0.053 $\chi^2/\text{NDF}: 521299875.7/16$
 Left Out: 141044.409 ± 0.051 $\chi^2/\text{NDF}: 7592984833.4/16$
 Right Out: 143284.757 ± 0.049 $\chi^2/\text{NDF}: 608634820.1/18$
 Left In: 140756.890 ± 0.053 $\chi^2/\text{NDF}: 7354739623.3/15$

+ sign 142180.394 ± 0.037 $\chi^2/\text{NDF}: 9131238561.1$
 All: 142144.376 ± 0.026 $\chi^2/\text{NDF}: 18328368$
 - sign 142109.895 ± 0.036 $\chi^2/\text{NDF}: 9195246292.3/15$

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 179.399 $\pm$ 0.036 χ^2 /NDF: 395609.2/16

Right Out: 121.772 $\pm$ 0.035 χ^2 /NDF: 1463829.4/18

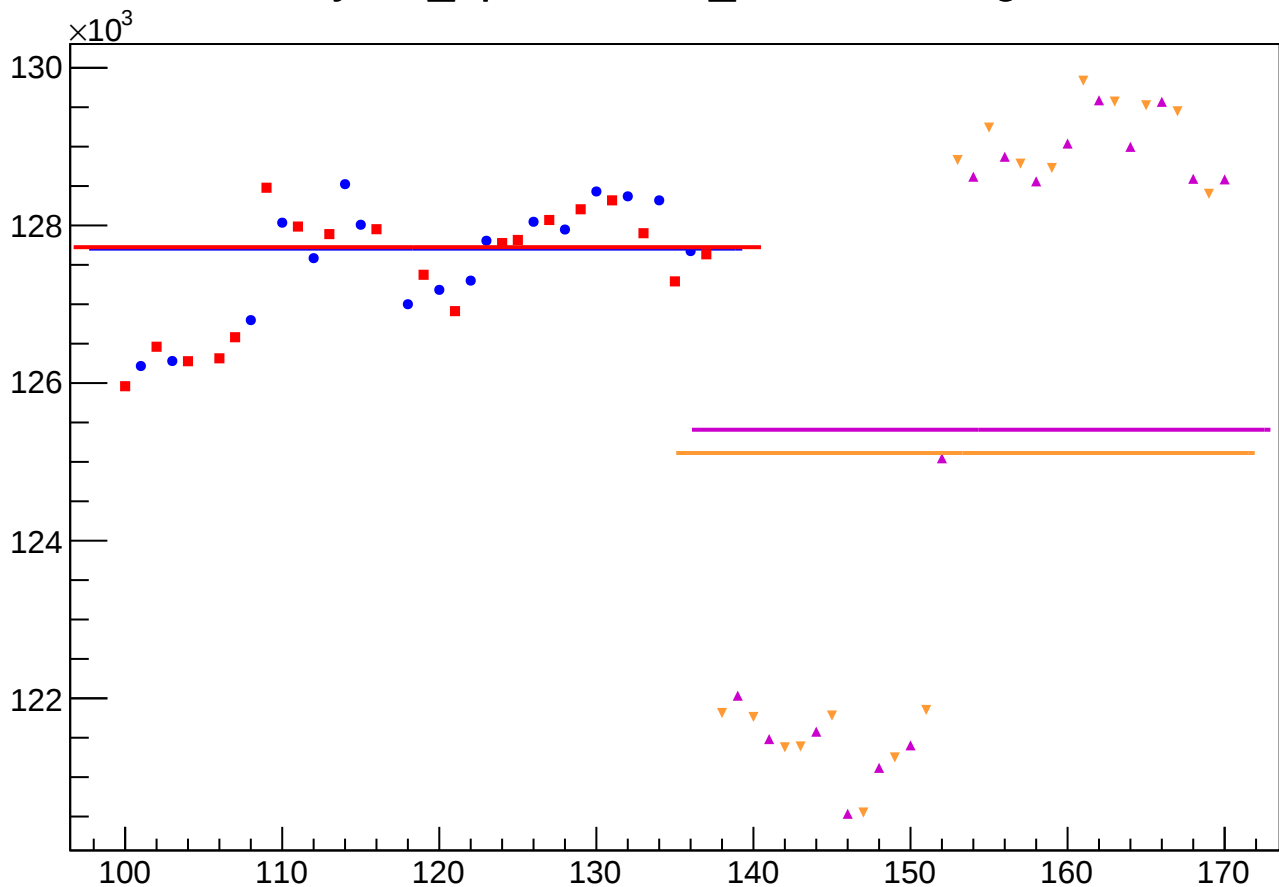
Left In: 183.089 $\pm$ 0.037 χ^2 /NDF: 468567.8/15

+ sign 153.755 $\pm$ 0.026 χ^2 /NDF: 2873775.4/33

All: 151.974 $\pm$ 0.018 χ^2 /NDF: 6264973.5/68

- sign 150.270 $\pm$ 0.025 χ^2 /NDF: 3381993.8/34

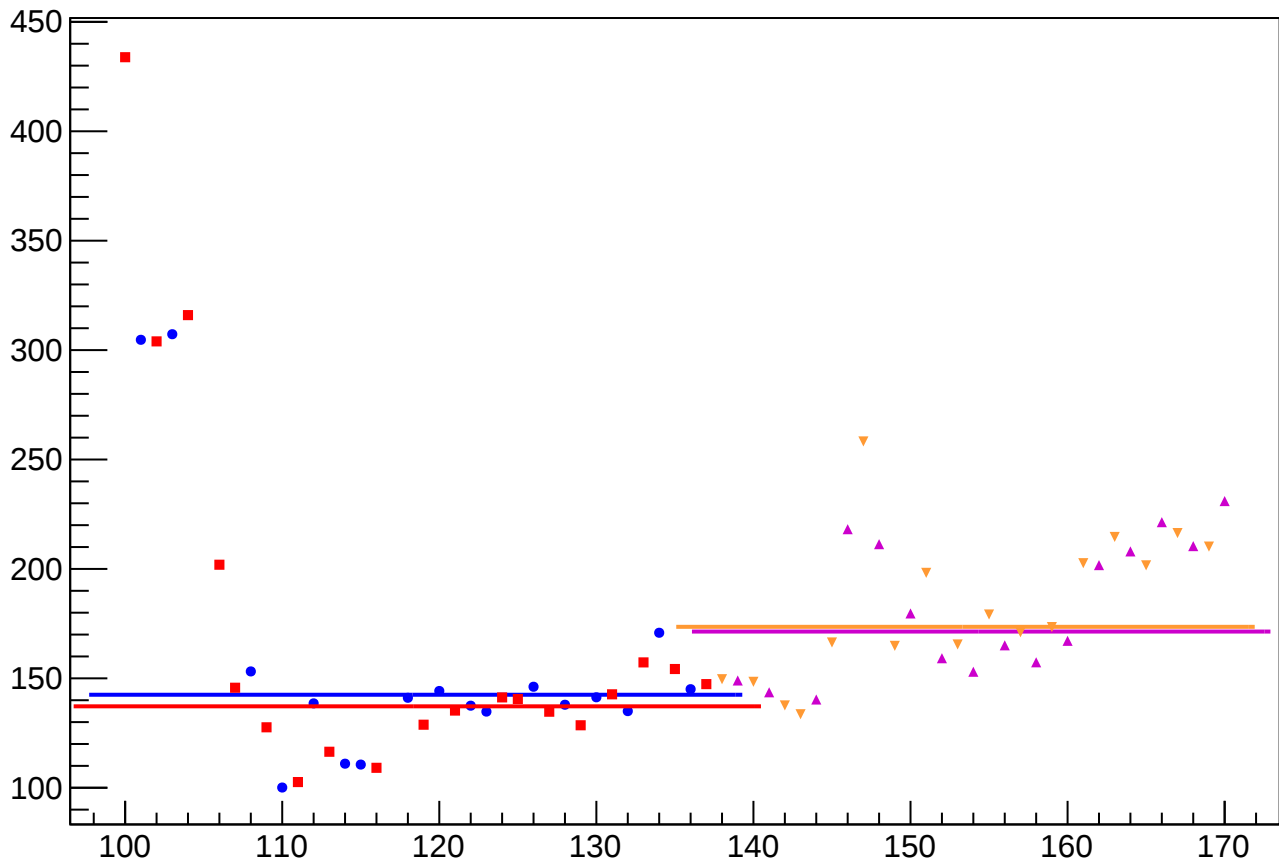
yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16
 Left Out: 125112.734 $\pm$ 0.050 χ^2 /NDF: 5719682949.5/16
 Right Out: 127724.256 $\pm$ 0.055 χ^2 /NDF: 112614317.2/18
 Left In: 125407.854 $\pm$ 0.050 χ^2 /NDF: 5134070298.8/15

+ sign 126219.727 $\pm$ 0.038 χ^2 /NDF: 6961189659.1
 All: 126343.561 $\pm$ 0.026 χ^2 /NDF: 13213694
 - sign 126459.765 $\pm$ 0.037 χ^2 /NDF: 6231845569.4

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 ± 0.041 χ^2/NDF : 836263.7/16

Left Out: 173.545 ± 0.035 χ^2/NDF : 670441.6/16

Right Out: 137.211 ± 0.039 χ^2/NDF : 957317.1/18

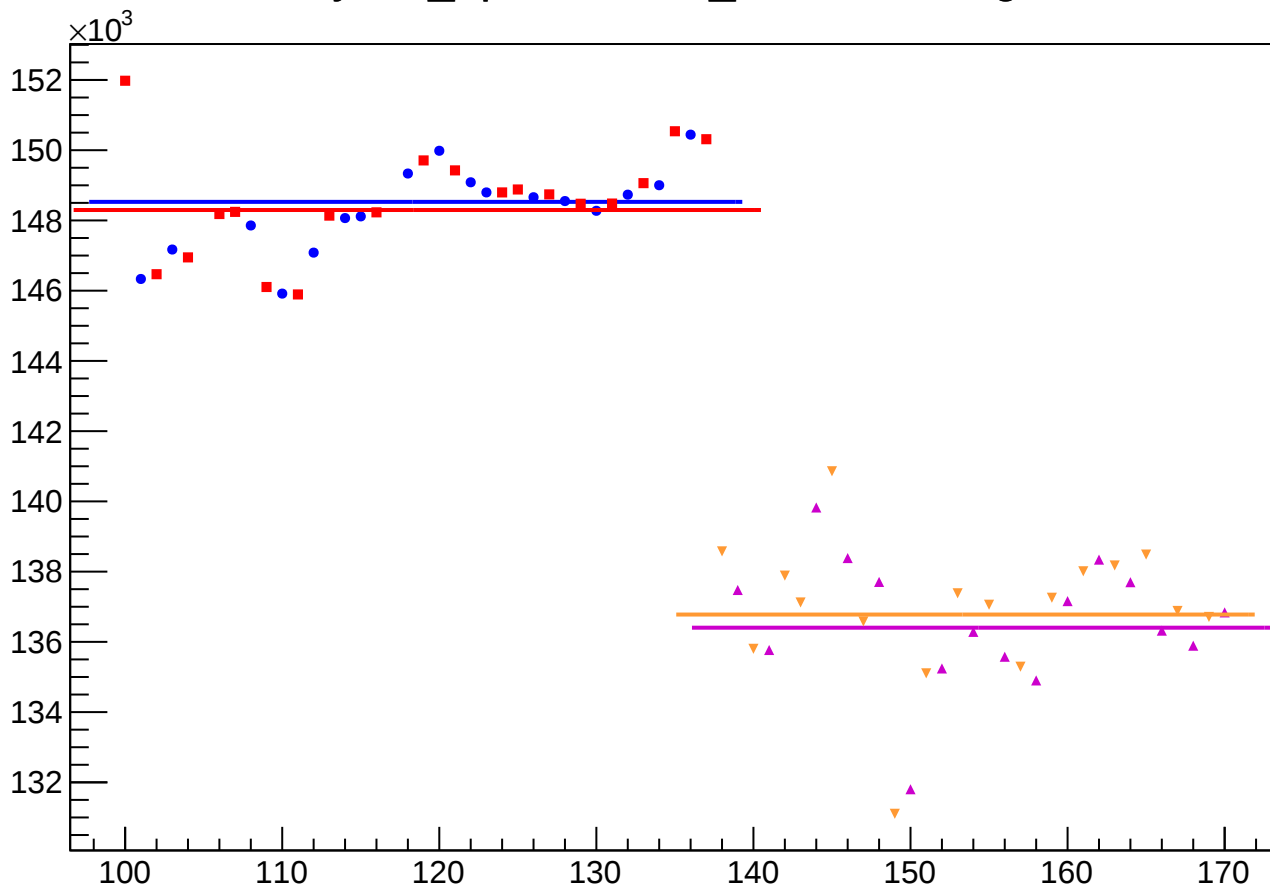
Left In: 171.378 ± 0.035 χ^2/NDF : 641798.2/15

+ sign 160.294 ± 0.027 χ^2/NDF : 1834416.7/33

All: 158.008 ± 0.019 χ^2/NDF : 3876275.4/68

- sign 155.863 ± 0.026 χ^2/NDF : 2027775.0/34

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 ± 0.082 $\chi^2/\text{NDF}: 209986594.2/16$

Left Out: 136777.963 ± 0.074 $\chi^2/\text{NDF}: 829762585.6/16$

Right Out: 148297.126 ± 0.076 $\chi^2/\text{NDF}: 293244556.5/18$

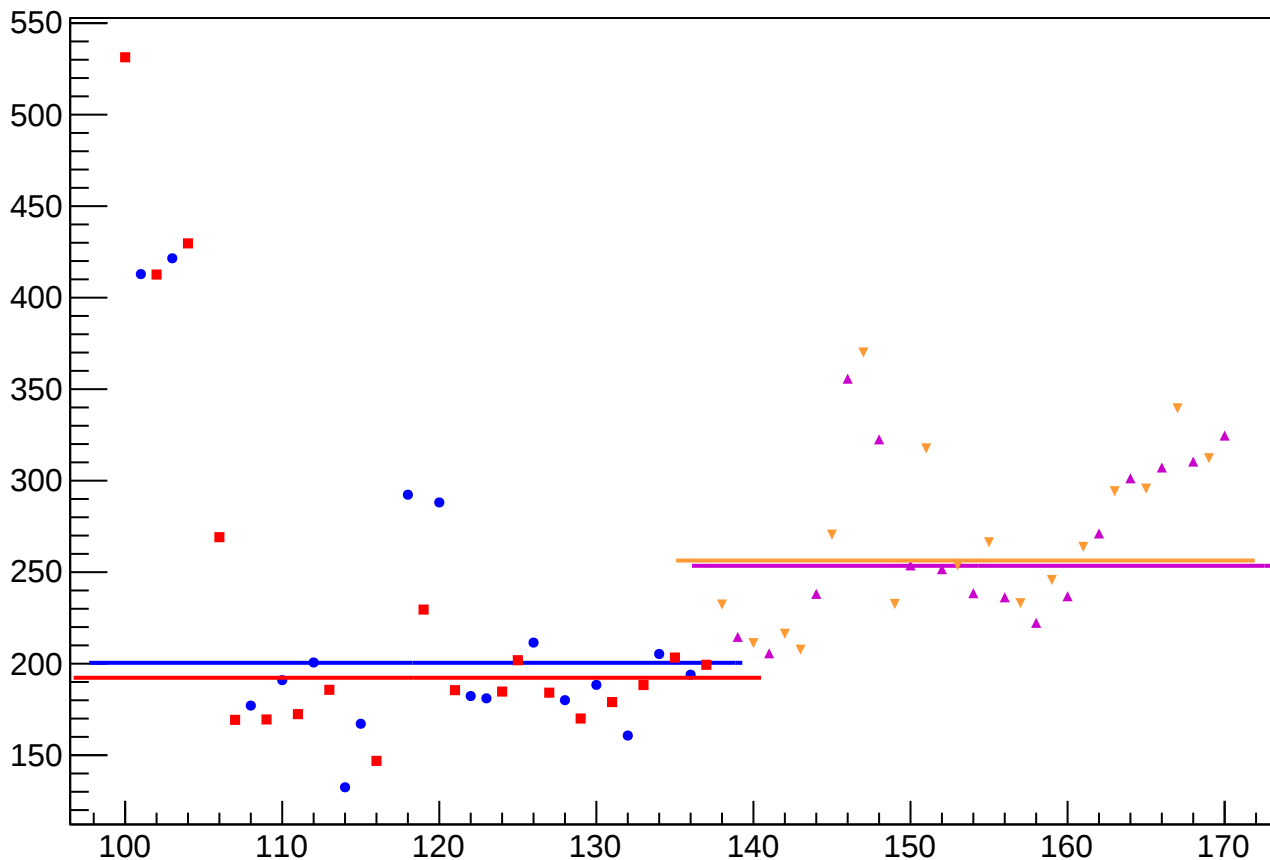
Left In: 136403.582 ± 0.073 $\chi^2/\text{NDF}: 641037830.3/15$

+ sign 142017.381 ± 0.055 $\chi^2/\text{NDF}: 12399609626.8/16$

All: 142059.374 ± 0.038 $\chi^2/\text{NDF}: 259619640.8/16$

- sign 142098.465 ± 0.053 $\chi^2/\text{NDF}: 13561221270.8/16$

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 256.355 $\pm$ 0.052 χ^2 /NDF: 620100.5/16

Right Out: 192.304 $\pm$ 0.054 χ^2 /NDF: 844504.1/18

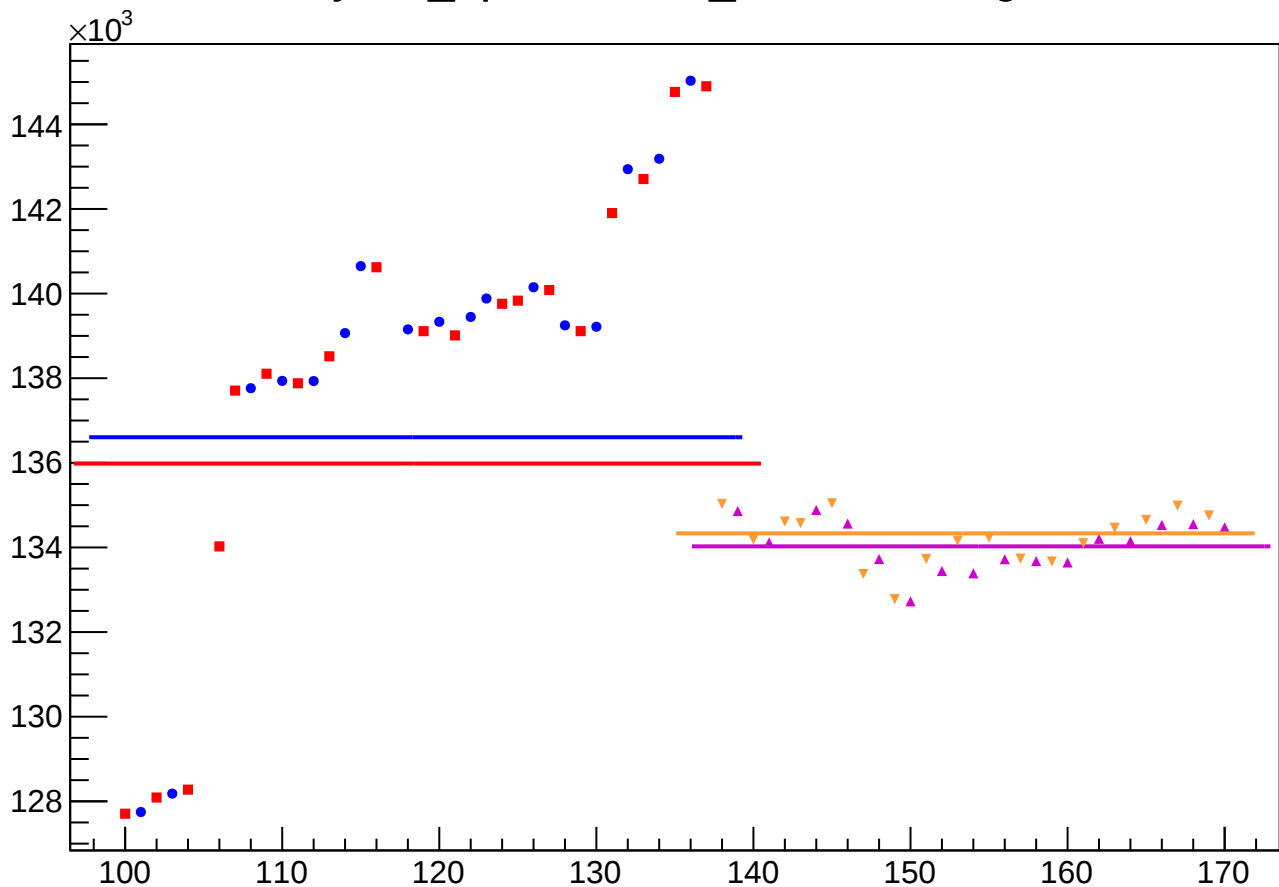
Left In: 253.478 $\pm$ 0.052 χ^2 /NDF: 596472.7/15

+ sign 231.439 $\pm$ 0.039 χ^2 /NDF: 2070483.1/33

All: 227.683 $\pm$ 0.027 χ^2 /NDF: 4197692.1/68

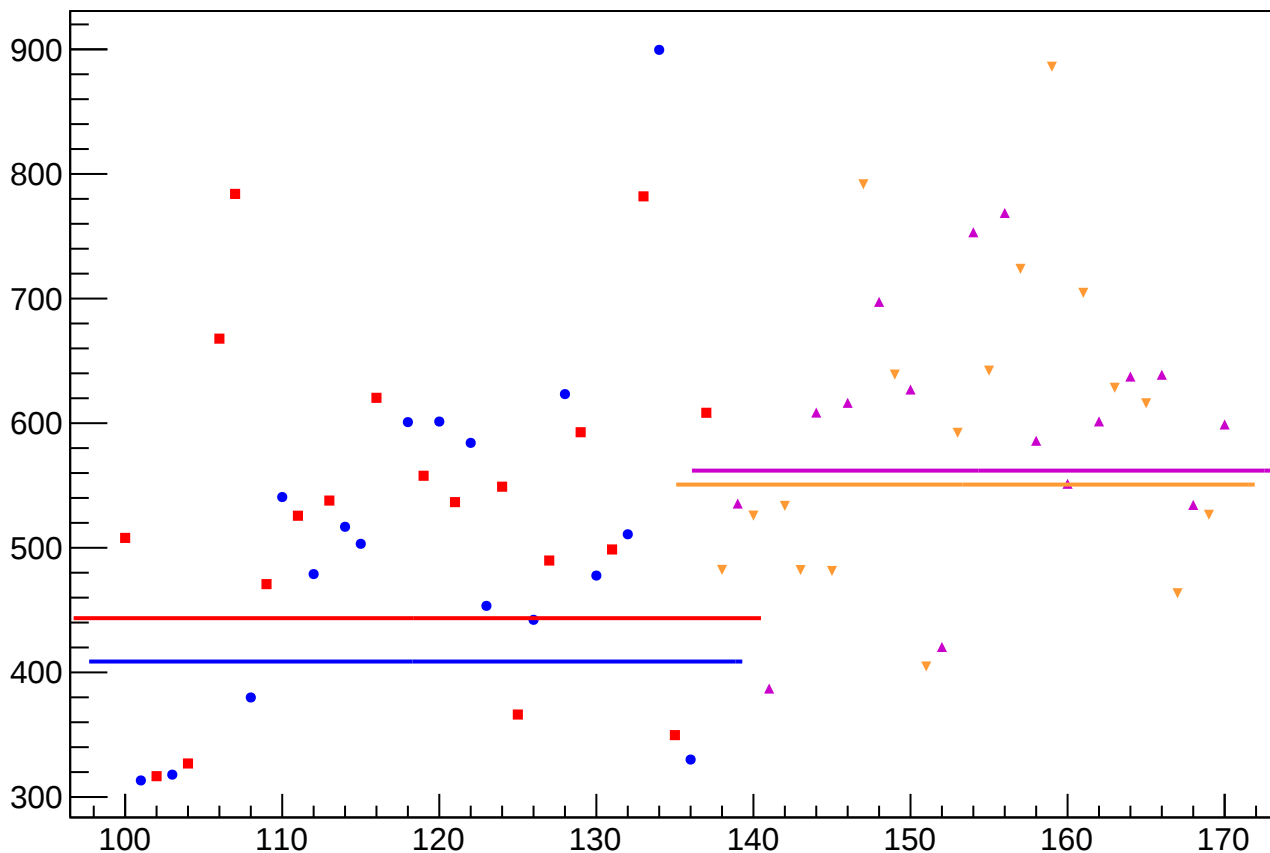
- sign 224.187 $\pm$ 0.037 χ^2 /NDF: 2109071.5/34

yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16
 Left Out: 134333.488 $\pm$ 0.166 χ^2 /NDF:13334401.5/16
 Right Out: 135982.842 $\pm$ 0.183 χ^2 /NDF: 1082431147.9/18
 Left In: 134025.764 $\pm$ 0.174 χ^2 /NDF:10813816.1/15

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 $\pm$ 0.121 χ^2 /NDF: 823262.8/16

Left Out: 550.728 $\pm$ 0.118 χ^2 /NDF:882751.7/16

Right Out: 443.521 $\pm$ 0.129 χ^2 /NDF: 917492.4/18

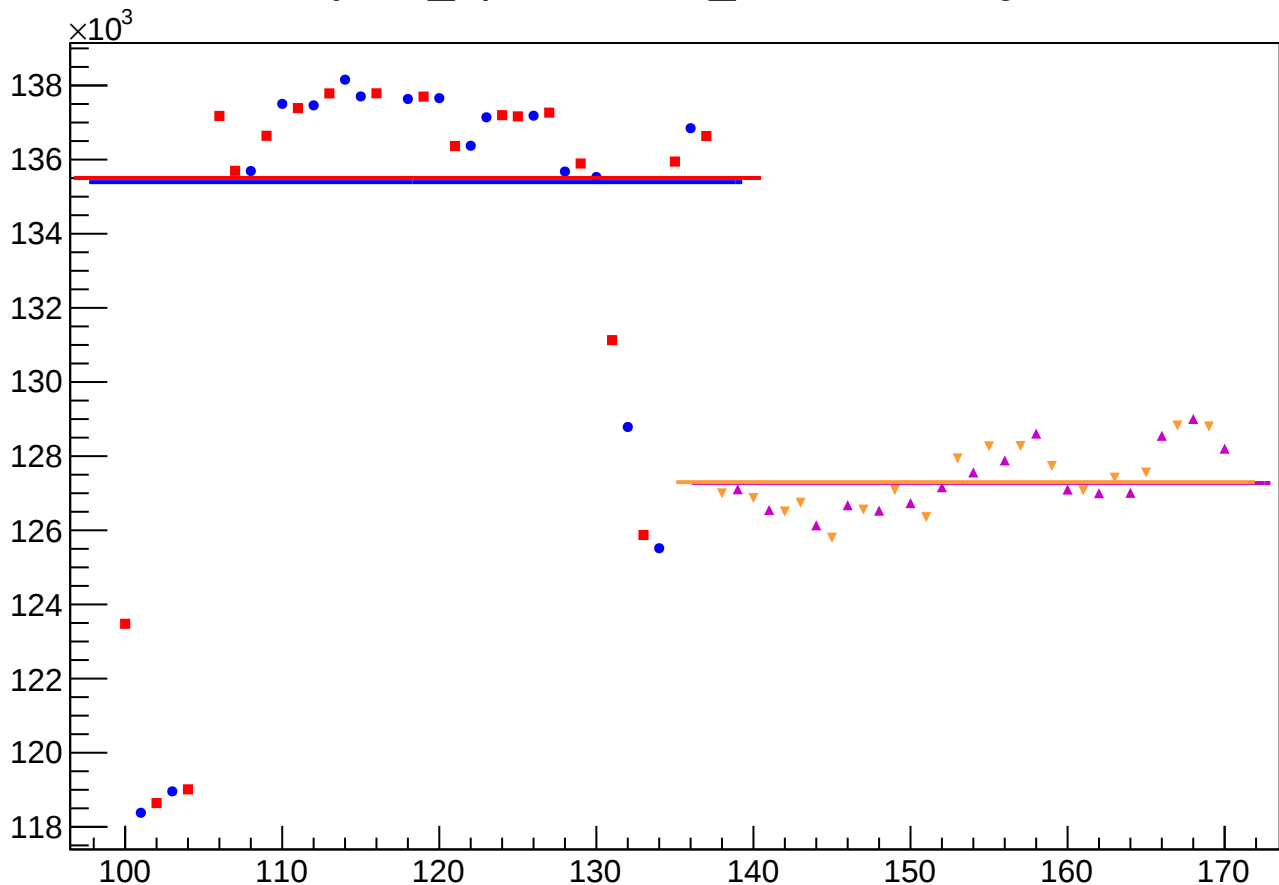
Left In: 561.942 $\pm$ 0.123 χ^2 /NDF:746655.9/15

+ sign 481.871 $\pm$ 0.084 χ^2 /NDF: 2412755.0/33

All: 493.080 $\pm$ 0.061 χ^2 /NDF: 4554558.4/68

- sign 505.574 $\pm$ 0.089 χ^2 /NDF: 2104519.3/34

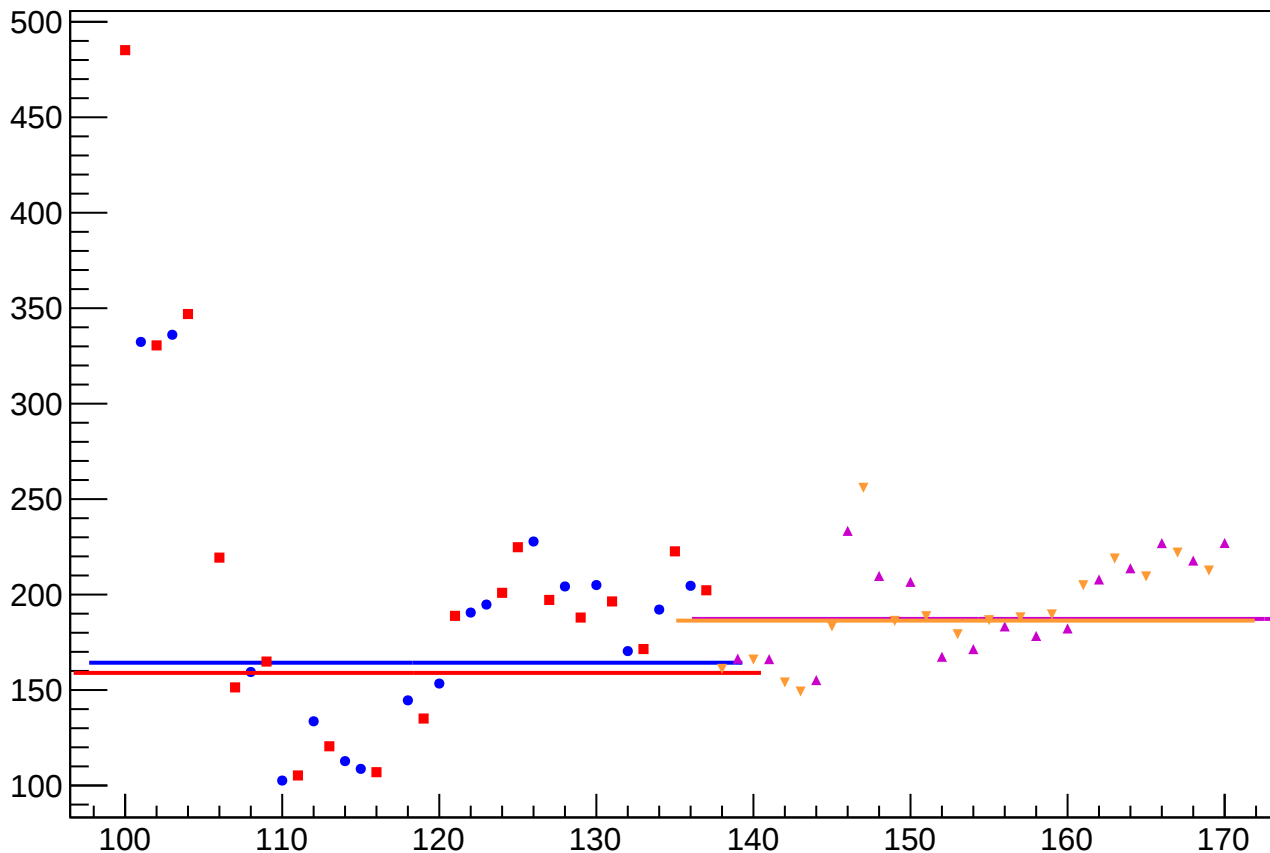
yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16
 Left Out: 127298.335 $\pm$ 0.053 χ^2 /NDF: 238642280.9/16
 Right Out: 135504.836 $\pm$ 0.064 χ^2 /NDF: 4730667469.8/18
 Left In: 127274.981 $\pm$ 0.054 χ^2 /NDF: 225927406.2/15

+ sign 130363.880 $\pm$ 0.042 χ^2 /NDF: 13550270210.0
 All: 130517.851 $\pm$ 0.029 χ^2 /NDF: 281361304.0
 - sign 130666.914 $\pm$ 0.041 χ^2 /NDF: 14559426719.1

yield_bpm0l04WS_rms vs Slug



Right In: 164.311+/-0.048 χ^2/NDF : 1230487.8/16

Left Out: 186.371+/-0.038 χ^2/NDF : 417701.7/16

Right Out: 158.977+/-0.046 χ^2/NDF : 1384059.2/18

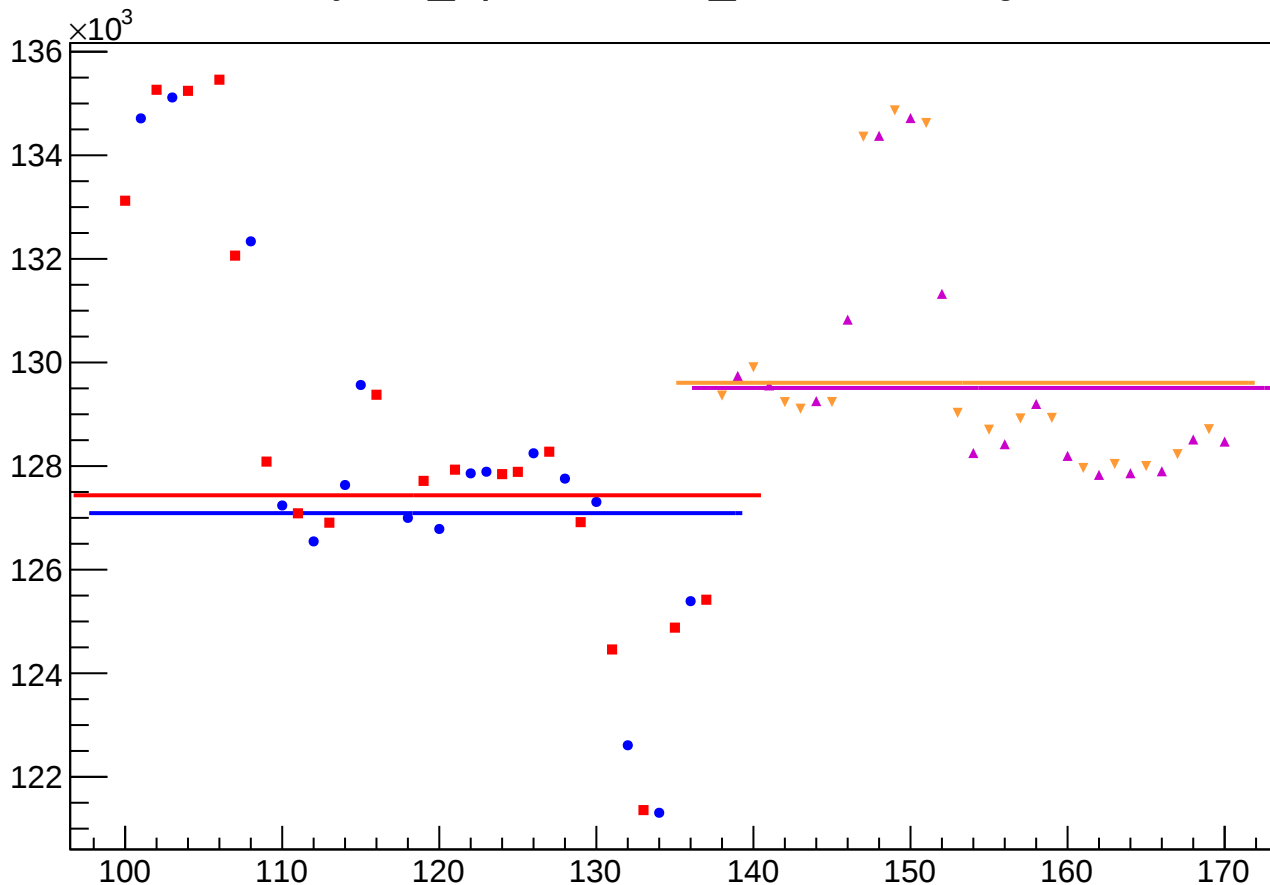
Left In: 187.254+/-0.038 χ^2/NDF : 404034.8/15

+ sign 178.015+/-0.030 χ^2/NDF : 1777936.4/33

All: 176.788+/-0.021 χ^2/NDF : 3796119.5/68

- sign 175.600+/-0.029 χ^2/NDF : 2014825.1/34

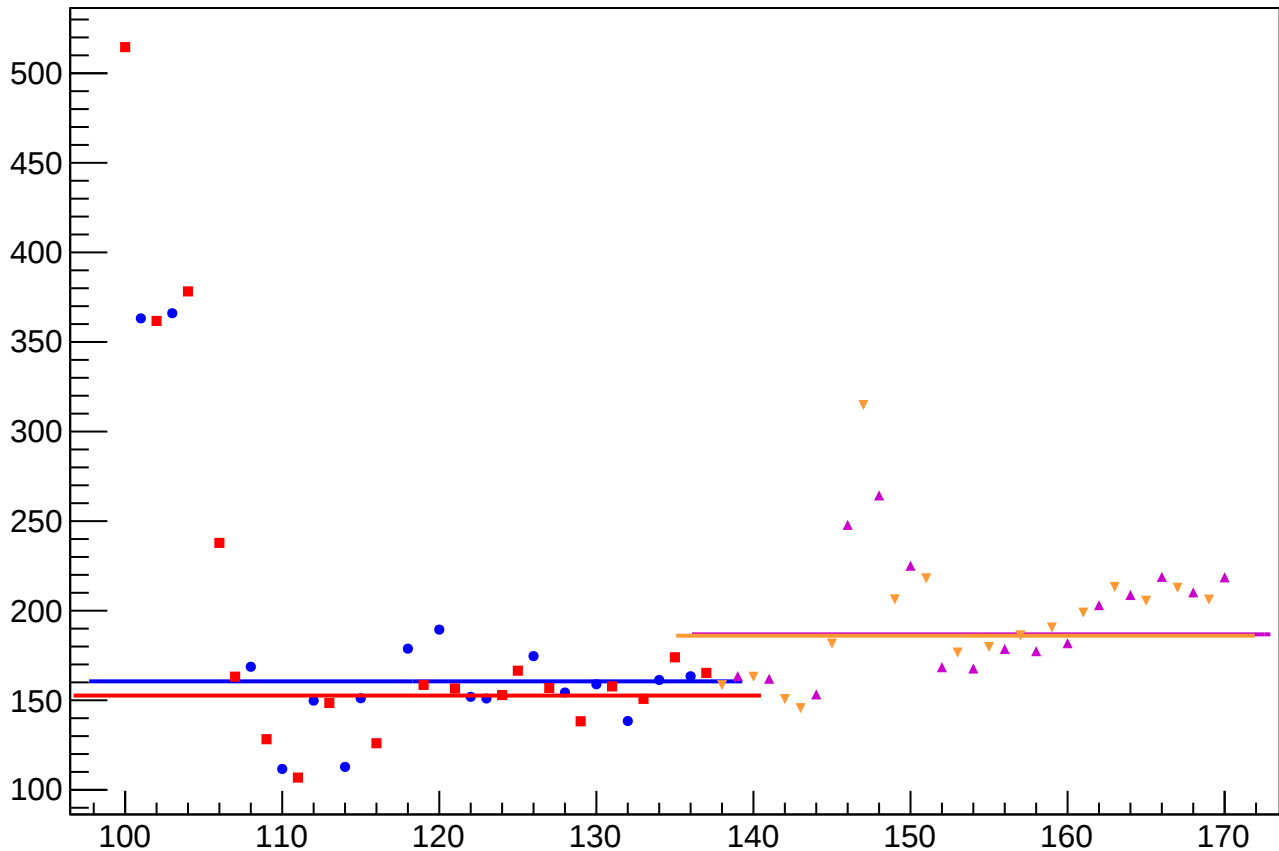
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$
 Left Out: 129607.986 ± 0.054 $\chi^2/\text{NDF}: 1335933502.2/16$
 Right Out: 127436.101 ± 0.062 $\chi^2/\text{NDF}: 2079075713.9/18$
 Left In: 129508.173 ± 0.054 $\chi^2/\text{NDF}: 1110160945.5/15$

+ sign 128614.601 ± 0.042 $\chi^2/\text{NDF}: 3925008797.9$
 All: 128610.549 ± 0.029 $\chi^2/\text{NDF}: 775463449$
 - sign 128606.702 ± 0.041 $\chi^2/\text{NDF}: 3829607254.0/15$

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 $\pm$ 0.047 χ^2 /NDF: 942747.0/16

Left Out: 186.045 $\pm$ 0.038 χ^2 /NDF: 614224.1/16

Right Out: 152.629 $\pm$ 0.044 χ^2 /NDF: 1086504.4/18

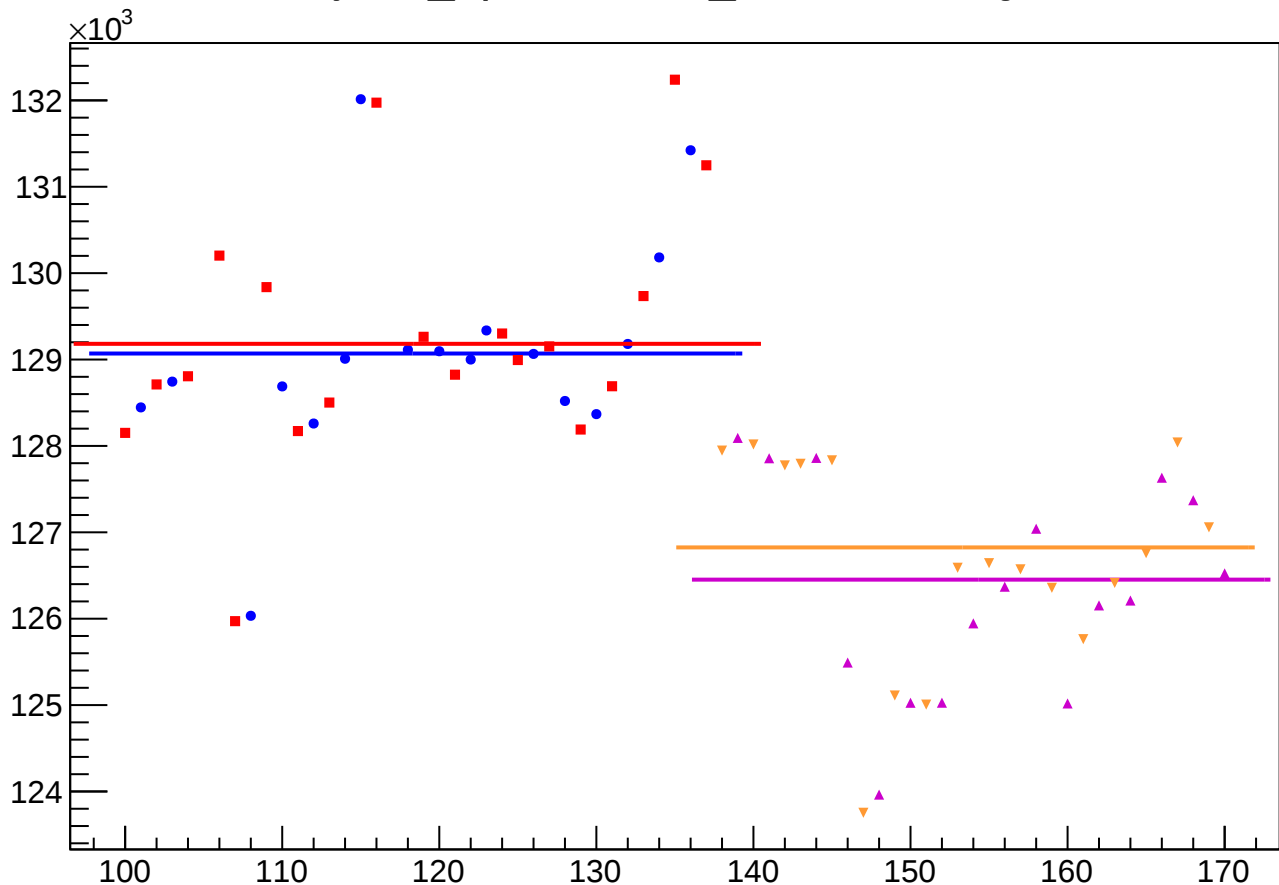
Left In: 186.800 $\pm$ 0.038 χ^2 /NDF: 574764.8/15

+ sign 175.987 $\pm$ 0.029 χ^2 /NDF: 1735755.3/33

All: 173.908 $\pm$ 0.021 χ^2 /NDF: 3755055.9/68

- sign 171.934 $\pm$ 0.029 χ^2 /NDF: 2009590.7/34

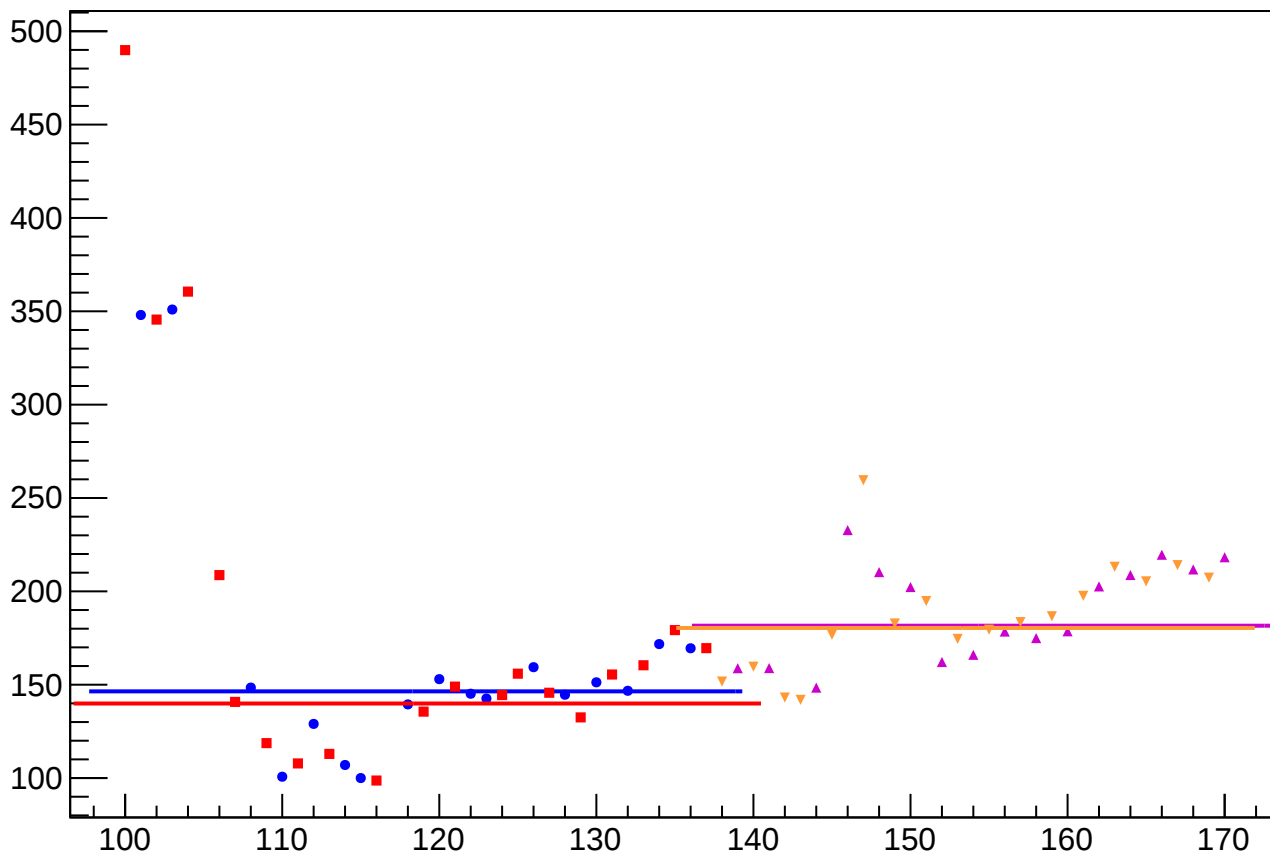
yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060 $\chi^2/\text{NDF}: 476692316.5/16$
 Left Out: 126825.133 ± 0.052 $\chi^2/\text{NDF}: 462212109.5/16$
 Right Out: 129181.887 ± 0.056 $\chi^2/\text{NDF}: 625597399.6/18$
 Left In: 126452.111 ± 0.052 $\chi^2/\text{NDF}: 542416030.1/15$

+ sign 127778.546 ± 0.039 $\chi^2/\text{NDF}: 1739351657.9$
 All: 127749.886 ± 0.027 $\chi^2/\text{NDF}: 417453097$
 - sign 127722.595 ± 0.038 $\chi^2/\text{NDF}: 2434136566.8/15$

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 ± 0.043 χ^2/NDF : 1064791.0/16

Left Out: 180.389 ± 0.037 χ^2/NDF : 515998.3/16

Right Out: 139.929 ± 0.040 χ^2/NDF : 1203570.9/18

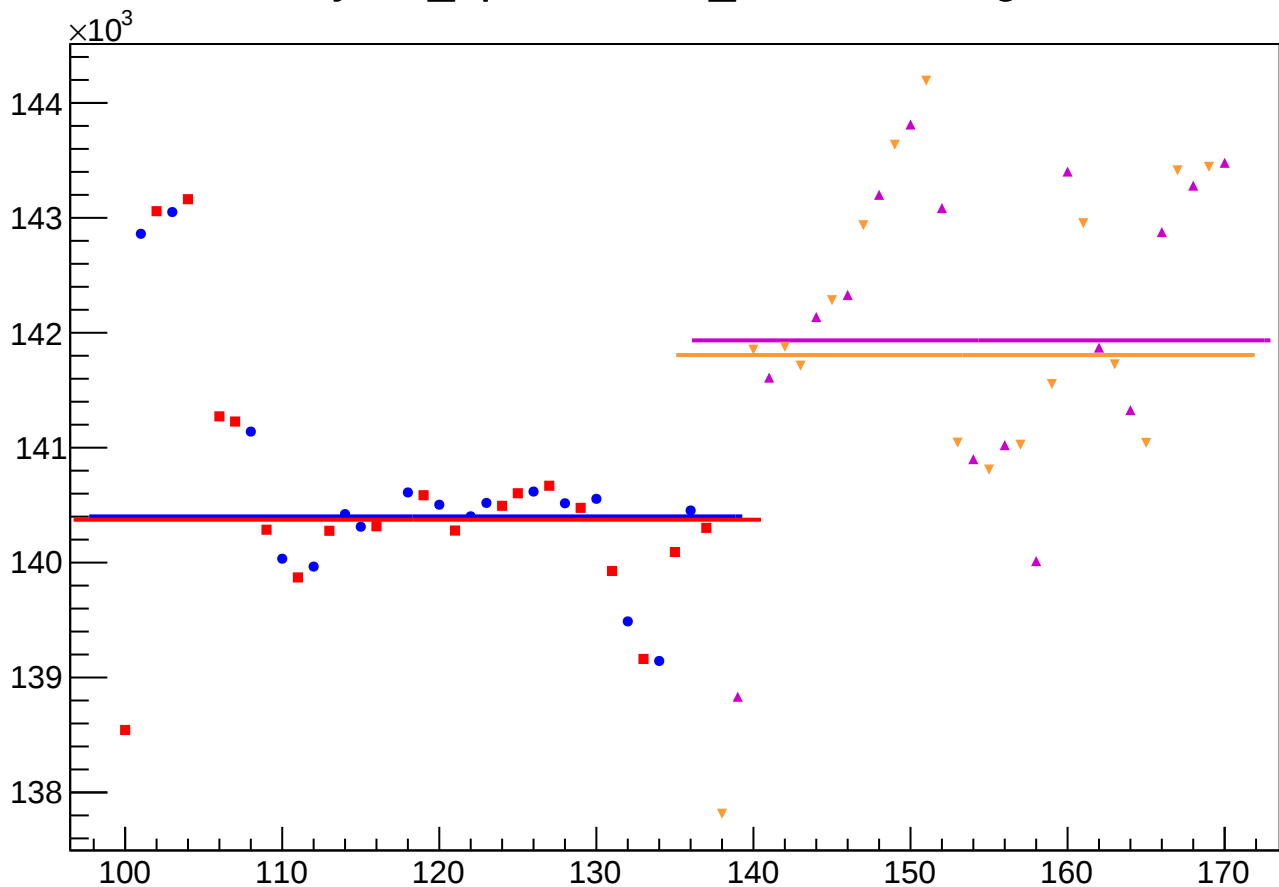
Left In: 181.605 ± 0.037 χ^2/NDF : 457047.3/15

+ sign 165.967 ± 0.028 χ^2/NDF : 1947085.5/33

All: 164.042 ± 0.019 χ^2/NDF : 4207350.3/68

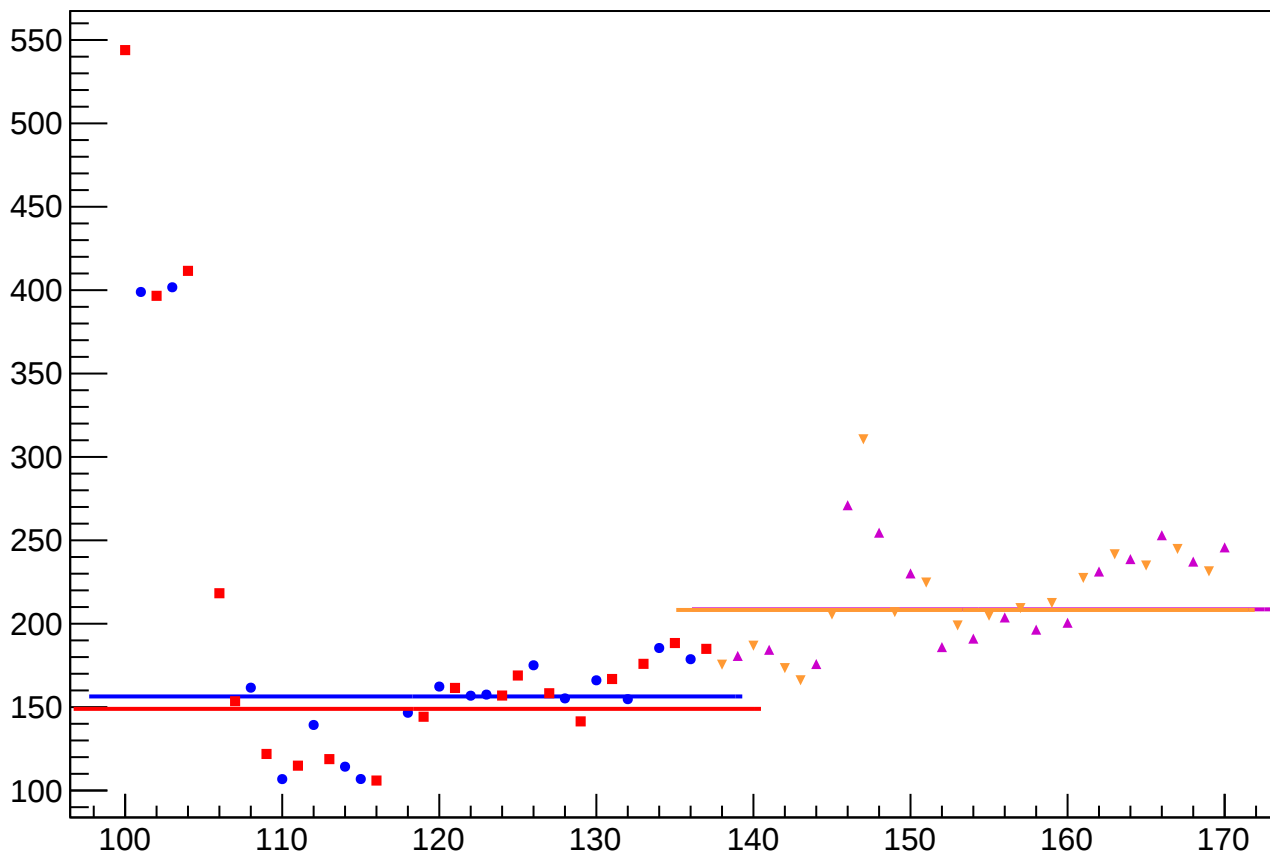
- sign 162.208 ± 0.027 χ^2/NDF : 2250851.3/34

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064	χ^2 /NDF: 88071774.7/16	+ sign 141156.121 $\pm$ 0.044	χ^2 /NDF: 1012214619.5
Left Out: 141806.231 $\pm$ 0.060	χ^2 /NDF: 668399802.0/16	All: 141152.600 $\pm$ 0.030	χ^2 /NDF: 198962014
Right Out: 140373.163 $\pm$ 0.060	χ^2 /NDF: 99854533.3/18	- sign 141149.292 $\pm$ 0.042	χ^2 /NDF: 977392975.3/3
Left In: 141933.755 $\pm$ 0.060	χ^2 /NDF: 539409670.7/15		

yield_bpm0l07WS_rms vs Slug



Right In: 156.394+/-0.046 χ^2/NDF : 1154804.2/16

Left Out: 208.256+/-0.042 χ^2/NDF : 471627.6/16

Right Out: 148.949+/-0.042 χ^2/NDF : 1307651.5/18

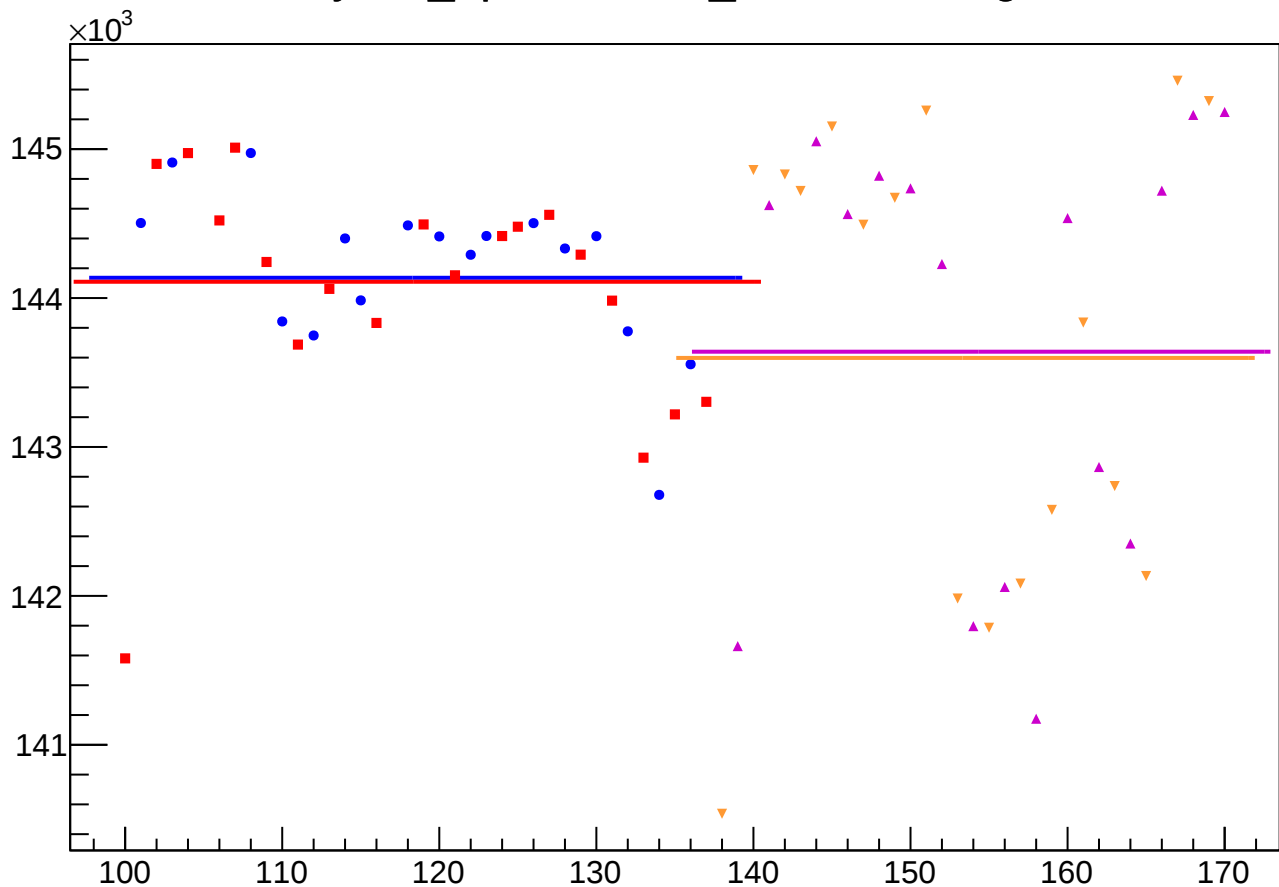
Left In: 208.620+/-0.043 χ^2/NDF : 442059.0/15

+ sign 184.245+/-0.031 χ^2/NDF : 2324120.3/33

All: 181.347+/-0.022 χ^2/NDF : 5079501.6/68

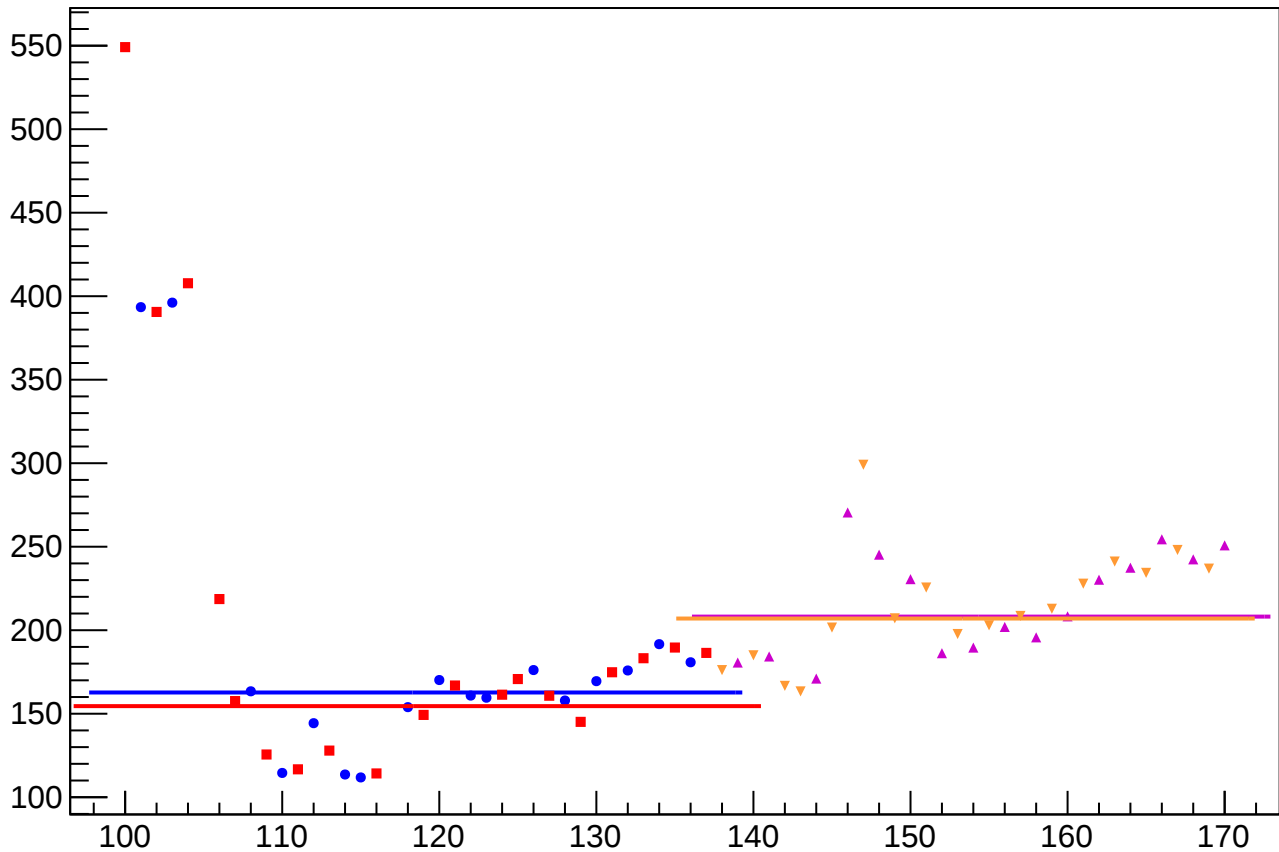
- sign 178.625+/-0.030 χ^2/NDF : 2738390.6/34

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067	χ^2 /NDF: 47069480.3/16	+ sign 143835.584 $\pm$ 0.044	χ^2 /NDF: 787950786.1/3
Left Out: 143597.925 $\pm$ 0.059	χ^2 /NDF: 704600580.9/16	All: 143852.112 $\pm$ 0.031	χ^2 /NDF: 147096379
Right Out: 144109.419 $\pm$ 0.062	χ^2 /NDF: 65258627.2/18	- sign 143867.710 $\pm$ 0.043	χ^2 /NDF: 682743304.6/3
Left In: 143639.739 $\pm$ 0.060	χ^2 /NDF: 587825381.9/15		

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16

Left Out: 206.999 $\pm$ 0.042 χ^2 /NDF: 495790.7/16

Right Out: 154.547 $\pm$ 0.044 χ^2 /NDF: 1217495.9/18

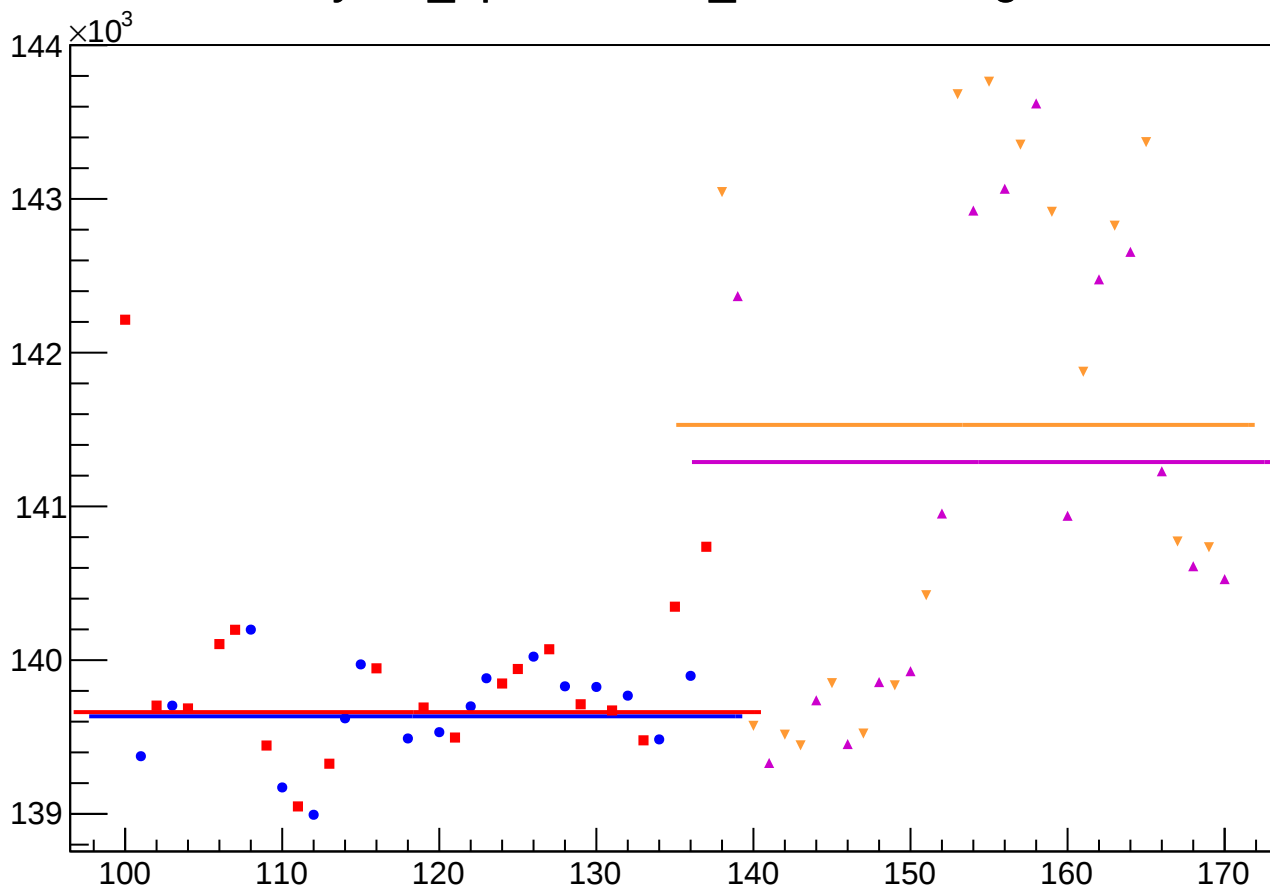
Left In: 208.153 $\pm$ 0.042 χ^2 /NDF: 465325.8/15

+ sign 187.443 $\pm$ 0.031 χ^2 /NDF: 2053564.8/33

All: 184.712 $\pm$ 0.022 χ^2 /NDF: 4523818.1/68

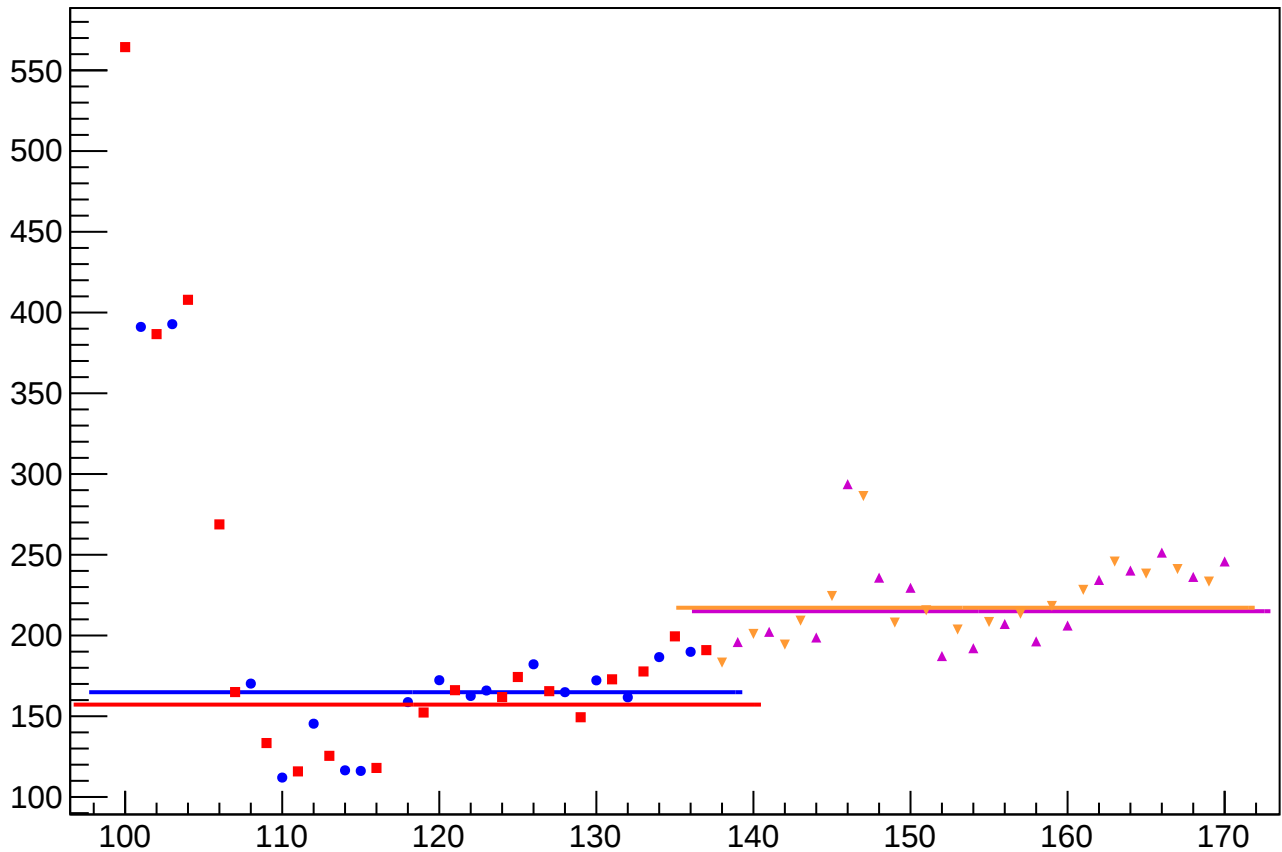
- sign 182.134 $\pm$ 0.030 χ^2 /NDF: 2455519.1/34

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 ± 0.068	$\chi^2/\text{NDF}: 24844912.0/16$	+ sign 140668.089 ± 0.046	$\chi^2/\text{NDF}: 1170165611.7$
Left Out: 141530.180 ± 0.062	$\chi^2/\text{NDF}: 718909792.3/16$	All: 140576.006 ± 0.032	$\chi^2/\text{NDF}: 208085500$
Right Out: 139661.970 ± 0.063	$\chi^2/\text{NDF}: 38372985.0/18$	- sign 140490.032 ± 0.044	$\chi^2/\text{NDF}: 902841571.0/3$
Left In: 141288.496 ± 0.062	$\chi^2/\text{NDF}: 525514040.6/15$		

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 $\pm$ 0.048 χ^2 /NDF: 1066270.8/16

Left Out: 217.198 $\pm$ 0.044 χ^2 /NDF:233675.1/16

Right Out: 157.207 $\pm$ 0.045 χ^2 /NDF: 1245030.9/18

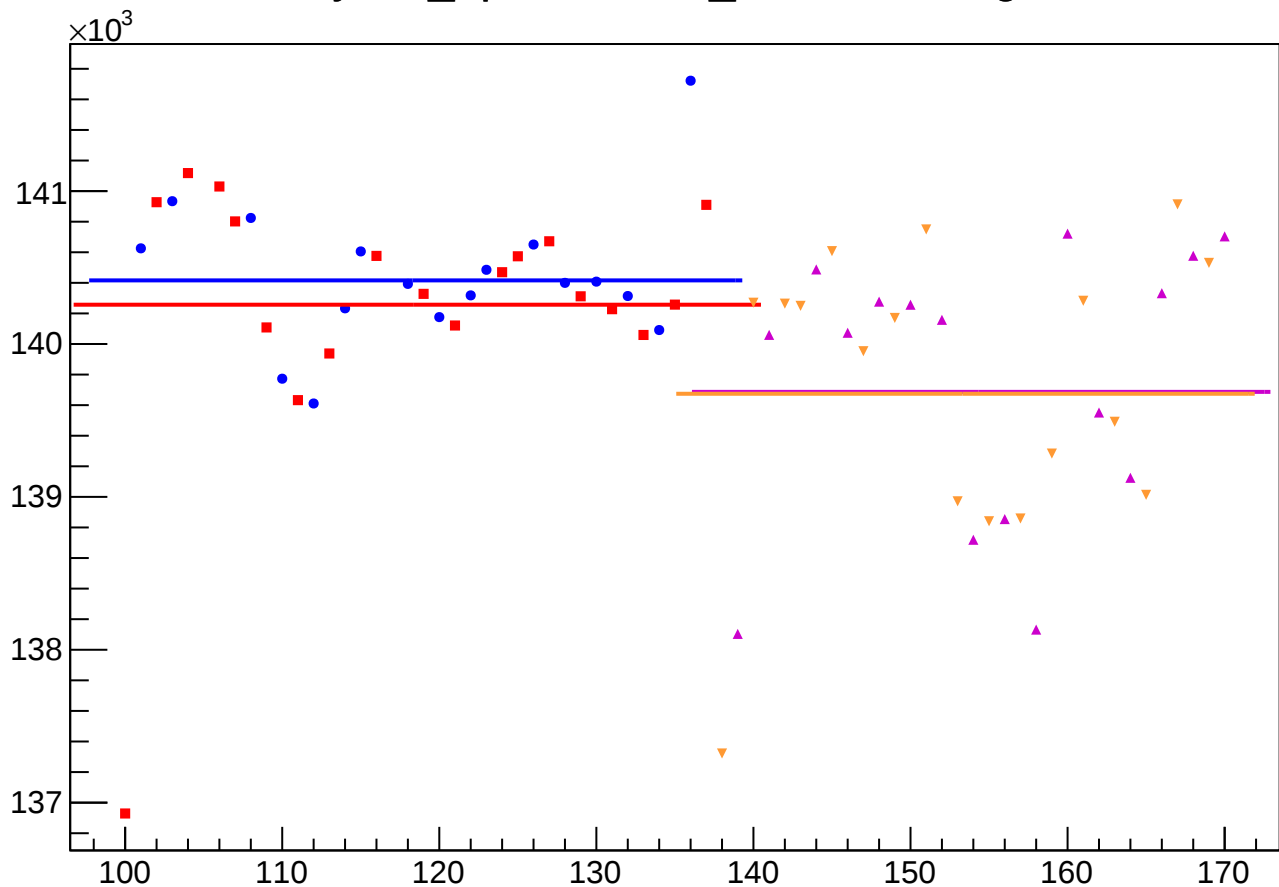
Left In: 215.035 $\pm$ 0.044 χ^2 /NDF:323699.3/15

+ sign 193.405 $\pm$ 0.032 χ^2 /NDF: 1949554.5/33

All: 189.910 $\pm$ 0.022 χ^2 /NDF: 4397783.6/68

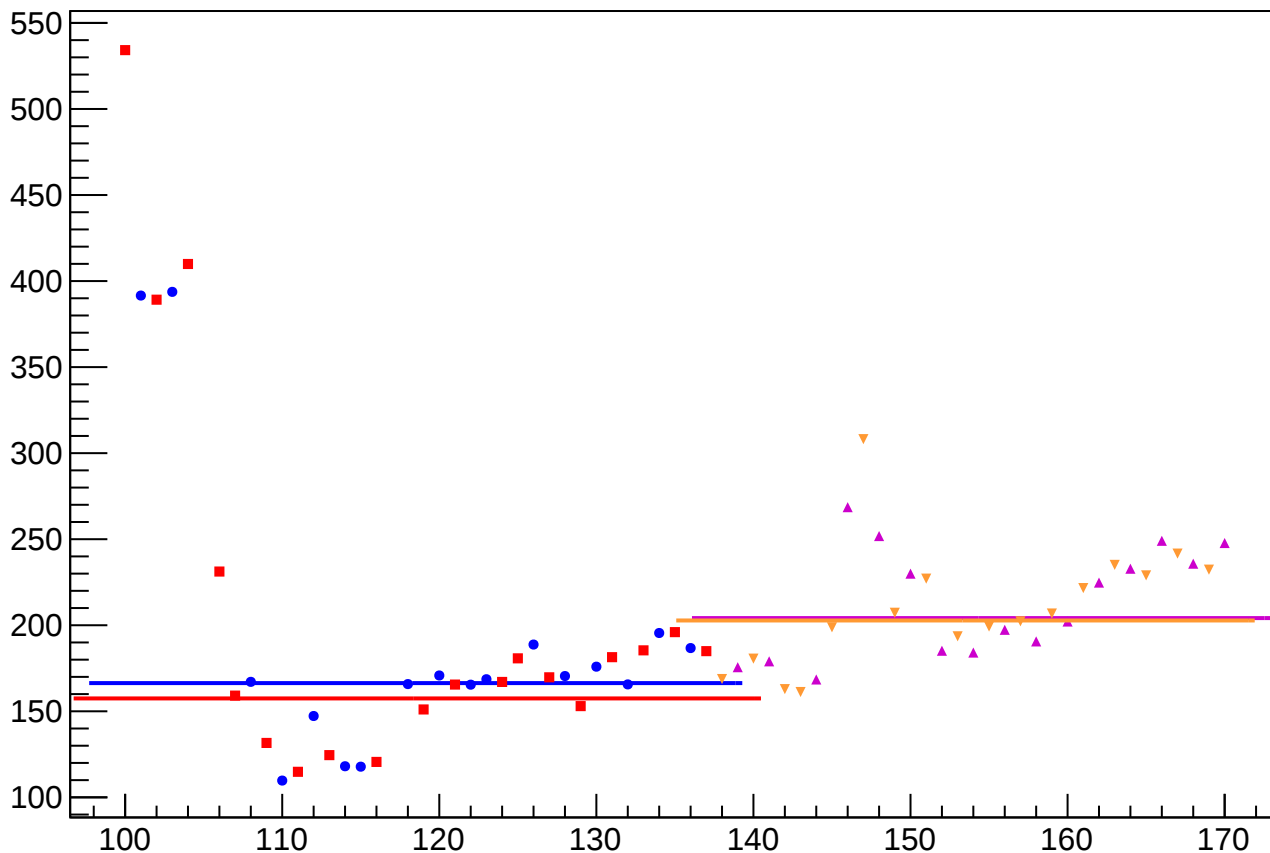
- sign 186.647 $\pm$ 0.031 χ^2 /NDF: 2425621.7/34

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 $\pm$ 0.068	χ^2 /NDF: 69975821.3/16	+ sign 139985.708 $\pm$ 0.044	χ^2 /NDF: 418313689.7/3
Left Out: 139674.434 $\pm$ 0.058	χ^2 /NDF: 280107226.0/16	All: 139968.507 $\pm$ 0.031	χ^2 /NDF: 737719638
Right Out: 140256.992 $\pm$ 0.063	χ^2 /NDF: 38063371.4/18	- sign 139952.248 $\pm$ 0.043	χ^2 /NDF: 319112808.2/3
Left In: 139686.861 $\pm$ 0.059	χ^2 /NDF: 237472891.6/15		

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 χ^2/NDF : 1080964.8/16

Left Out: 202.779 ± 0.041 χ^2/NDF : 542136.6/16

Right Out: 157.475 ± 0.045 χ^2/NDF : 1229886.8/18

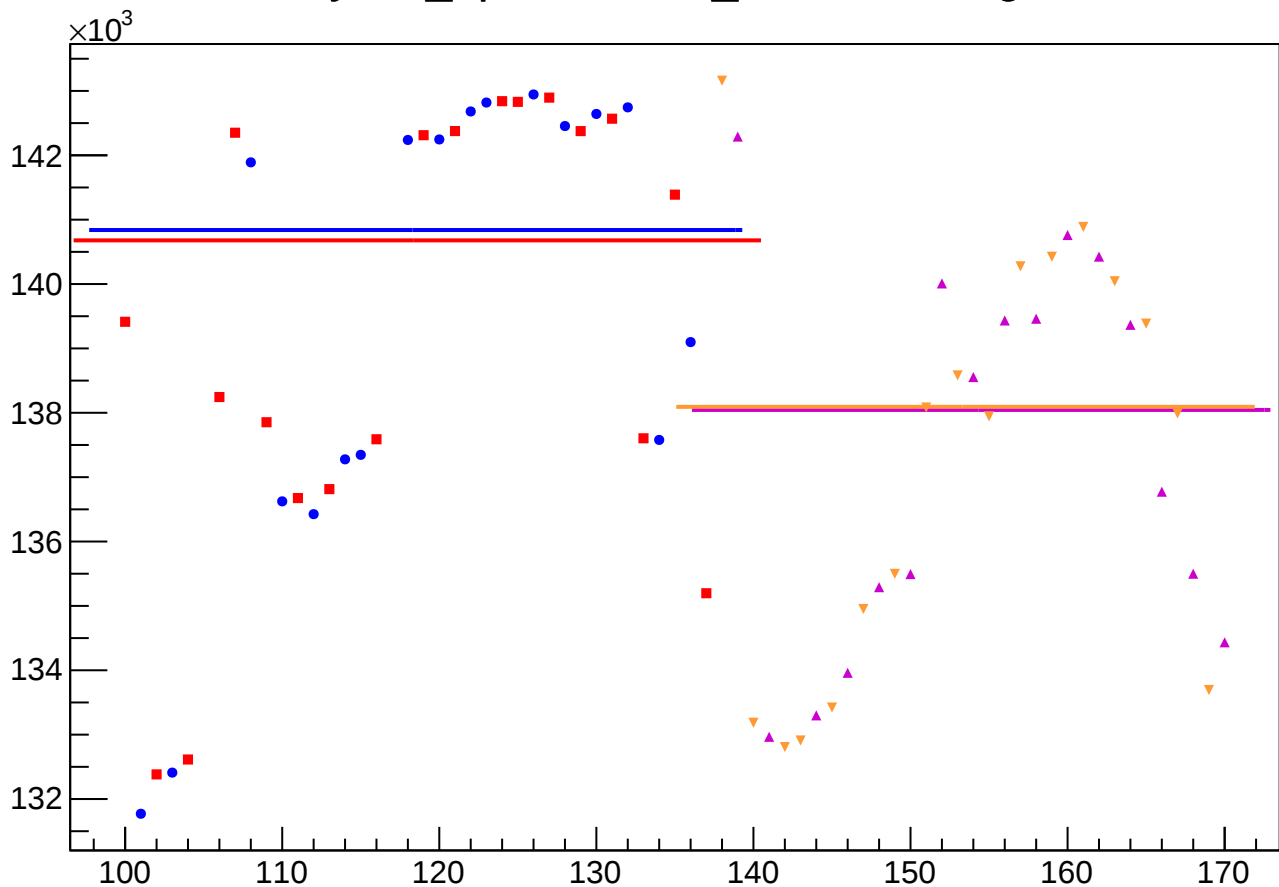
Left In: 204.162 ± 0.042 χ^2/NDF : 502580.6/15

+ sign 187.505 ± 0.031 χ^2/NDF : 1951667.1/33

All: 184.896 ± 0.022 χ^2/NDF : 4282030.8/68

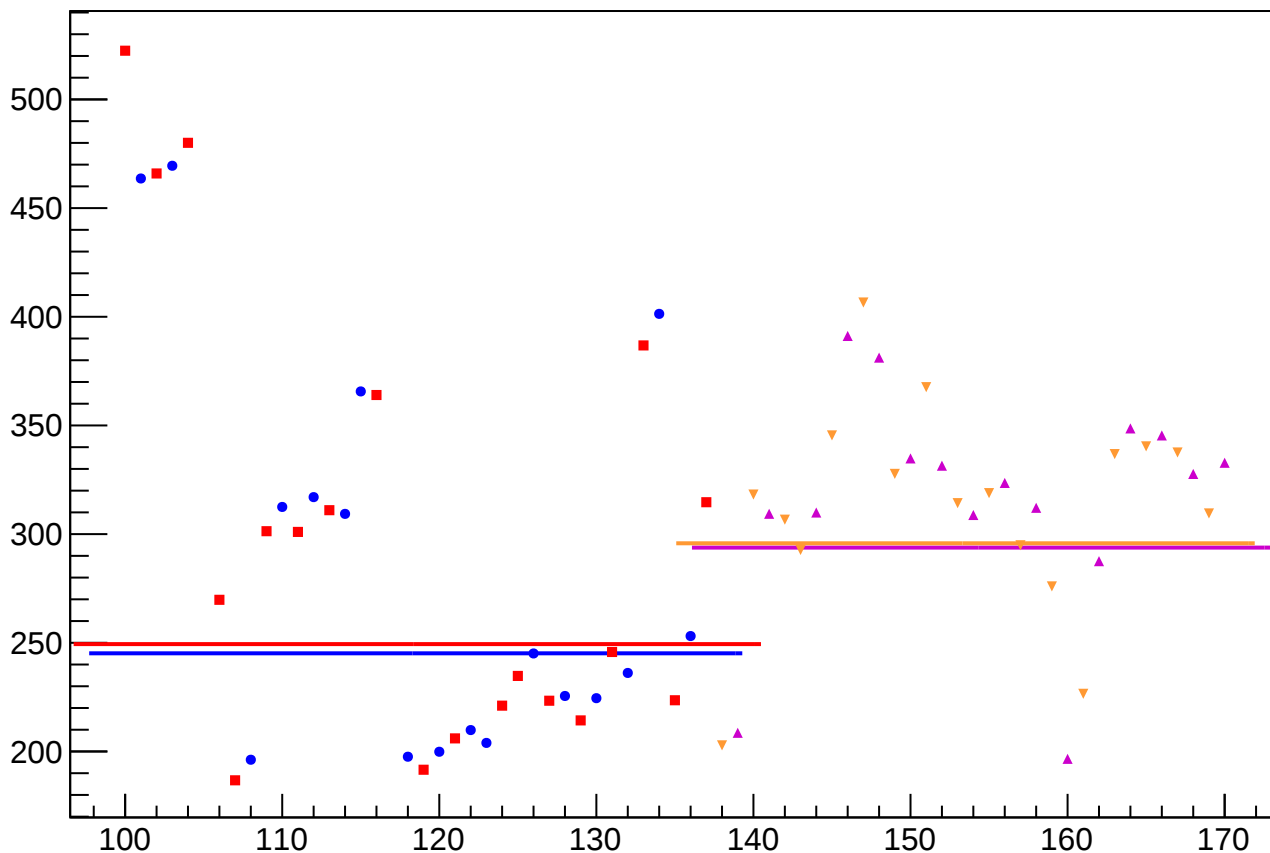
- sign 182.430 ± 0.030 χ^2/NDF : 2316876.5/34

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100	χ^2 /NDF: 822682996.3/16	+ sign 139256.045 $\pm$ 0.065	χ^2 /NDF: 2821199615.2
Left Out: 138092.429 $\pm$ 0.086	χ^2 /NDF: 1563791113.3/16	All: 139216.876 $\pm$ 0.046	χ^2 /NDF: 533709276
Right Out: 140678.513 $\pm$ 0.099	χ^2 /NDF: 840695274.4/18	- sign 139177.815 $\pm$ 0.065	χ^2 /NDF: 2515170026.8/15
Left In: 138044.398 $\pm$ 0.086	χ^2 /NDF: 1271965035.8/15		

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 ± 0.071 χ^2/NDF : 869491.6/16

Left Out: 295.780 ± 0.061 χ^2/NDF : 760778.7/16

Right Out: 249.397 ± 0.070 χ^2/NDF : 1009731.2/18

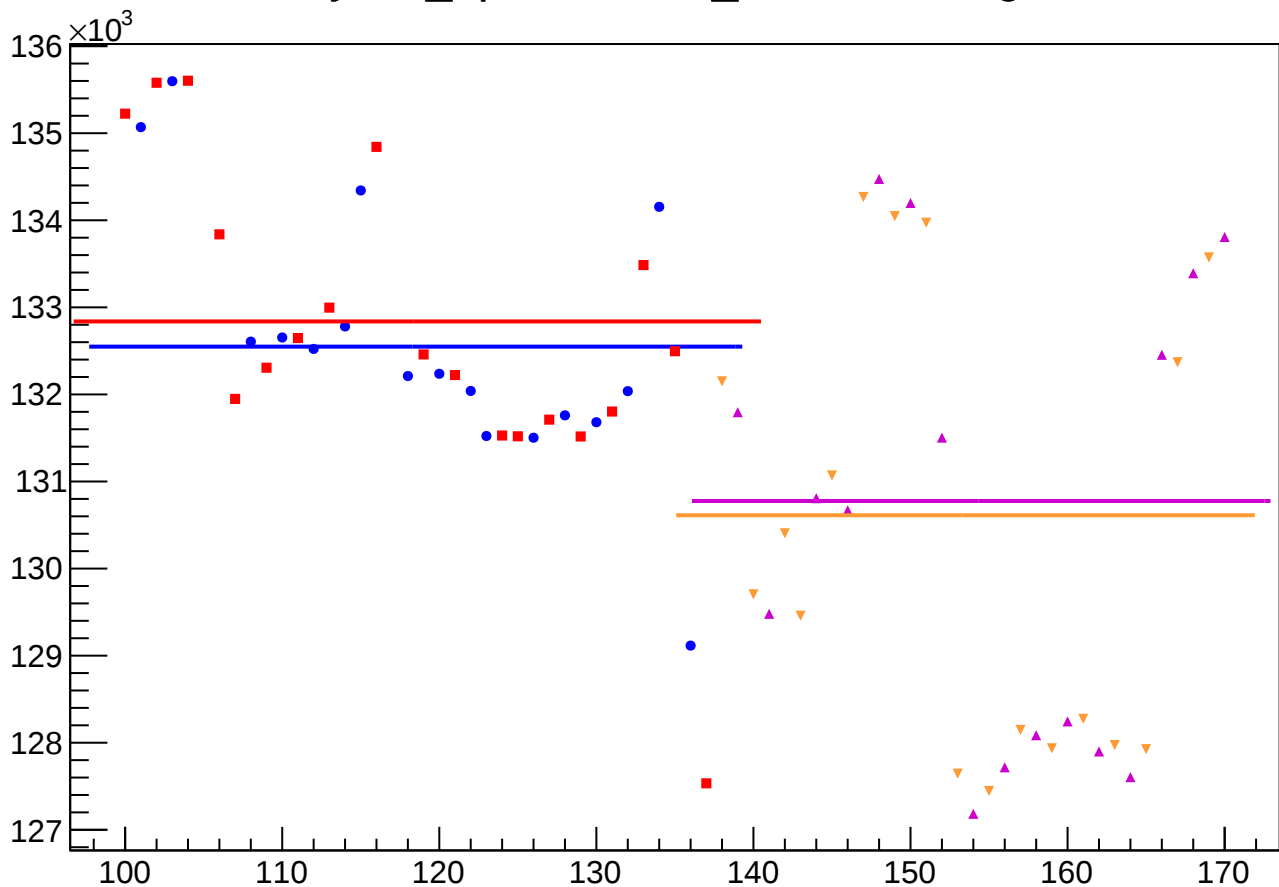
Left In: 293.798 ± 0.061 χ^2/NDF : 946059.2/15

+ sign 274.335 ± 0.046 χ^2/NDF : 1925589.5/33

All: 274.514 ± 0.033 χ^2/NDF : 4110140.1/68

- sign 274.693 ± 0.046 χ^2/NDF : 2184520.4/34

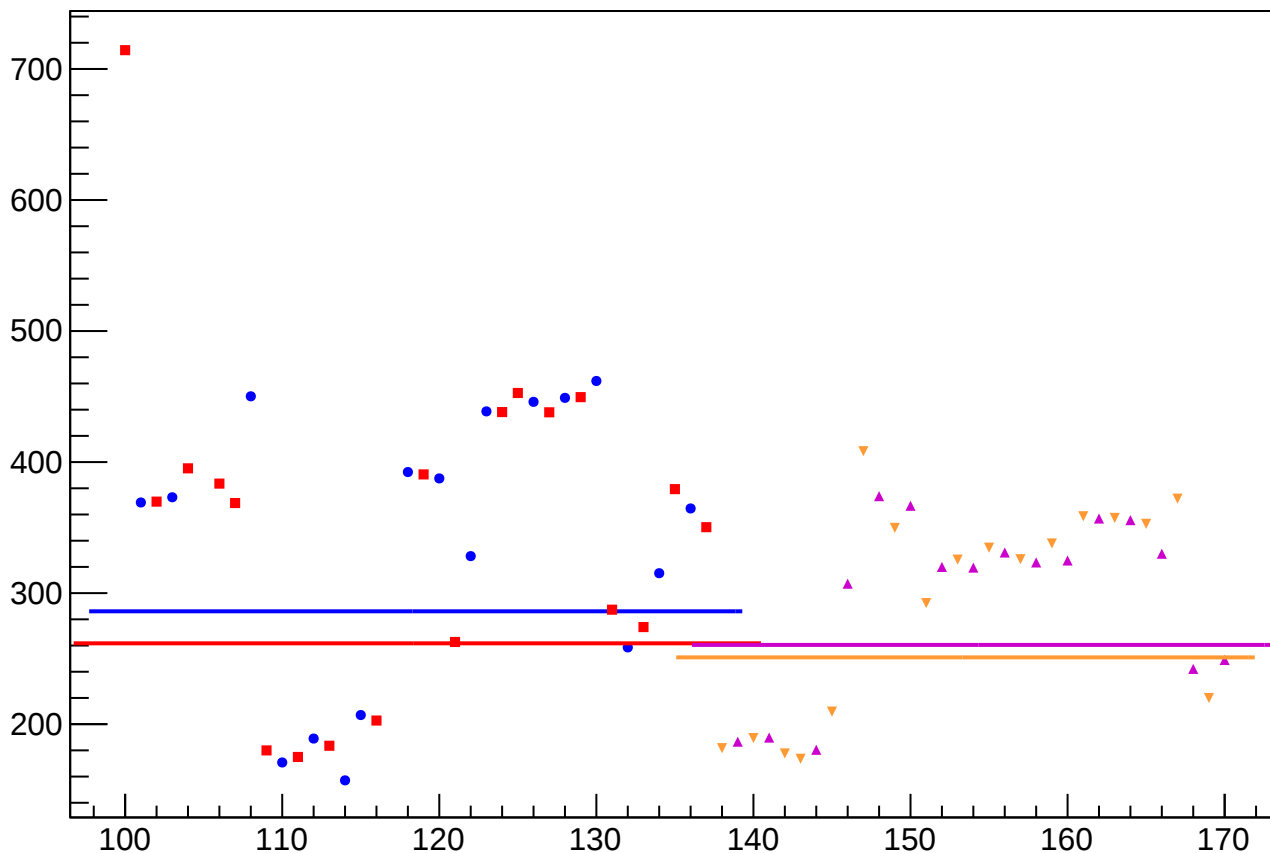
yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16
 Left Out: 130612.494 $\pm$ 0.075 χ^2 /NDF: 834146106.7/16
 Right Out: 132838.294 $\pm$ 0.107 χ^2 /NDF: 149611447.6/18
 Left In: 130776.246 $\pm$ 0.077 χ^2 /NDF: 810148054.5/15

+ sign 131157.268 $\pm$ 0.063 χ^2 /NDF: 1184371264.7
 All: 131321.506 $\pm$ 0.045 χ^2 /NDF: 240119396
 - sign 131482.445 $\pm$ 0.063 χ^2 /NDF: 1203500658.5/

yield_bpm0r05WS_rms vs Slug



Right In: 286.122 ± 0.084 $\chi^2/\text{NDF}: 1525266.4/16$

Left Out: 250.967 ± 0.053 $\chi^2/\text{NDF}: 2130811.4/16$

Right Out: 261.686 ± 0.076 $\chi^2/\text{NDF}: 1623174.1/18$

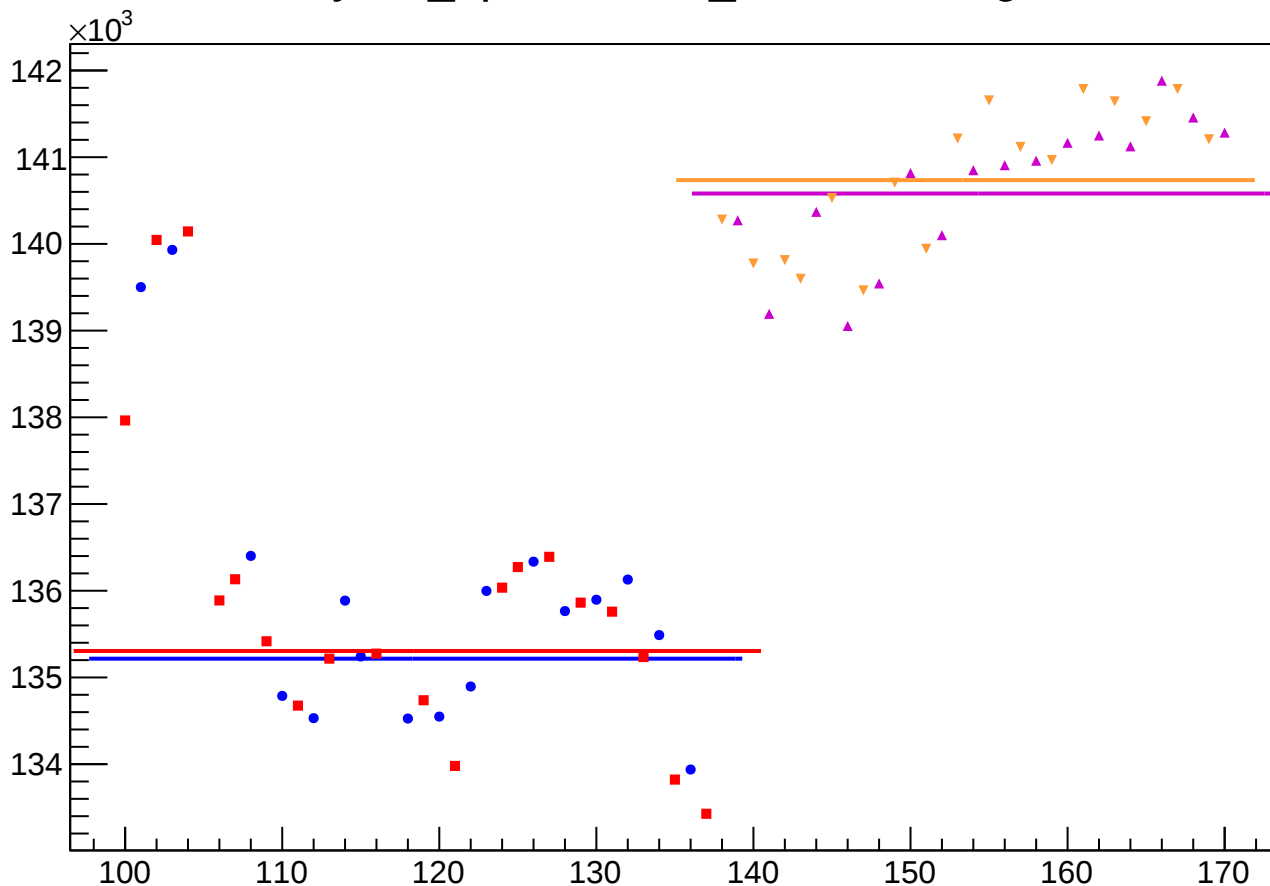
Left In: 260.477 ± 0.055 $\chi^2/\text{NDF}: 1647867.1/15$

+ sign 260.857 ± 0.045 $\chi^2/\text{NDF}: 3780740.6/33$

All: 260.874 ± 0.031 $\chi^2/\text{NDF}: 7051949.7/68$

- sign 260.891 ± 0.044 $\chi^2/\text{NDF}: 3271208.9/34$

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140735.317 $\pm$ 0.054 χ^2 /NDF: 198006917.2/16

Right Out: 135305.135 $\pm$ 0.051 χ^2 /NDF: 357636841.6/18

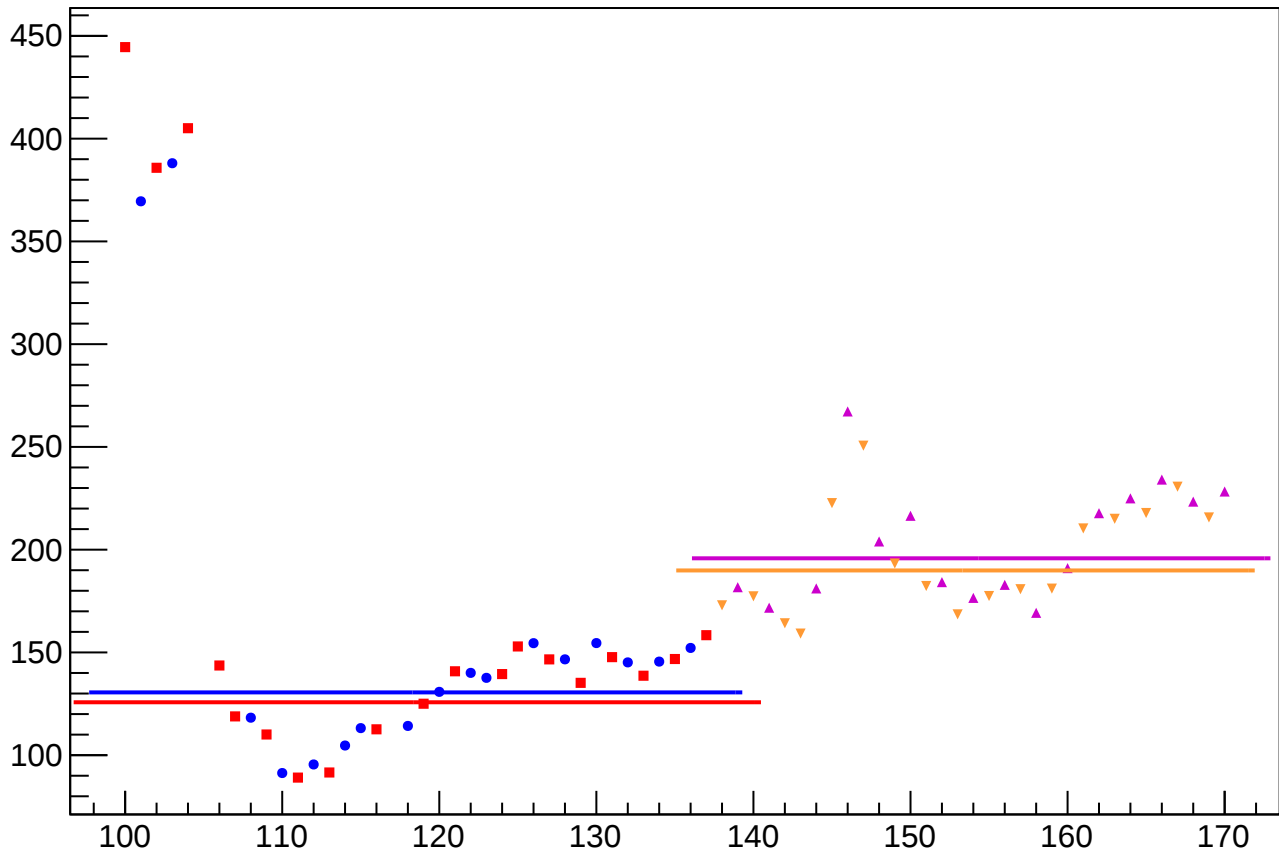
Left In: 140580.881 $\pm$ 0.056 χ^2 /NDF: 172299271.5/15

+ sign 137974.154 $\pm$ 0.038 χ^2 /NDF: 5720089339.3

All: 137826.698 $\pm$ 0.027 χ^2 /NDF: 110763684

- sign 137683.415 $\pm$ 0.038 χ^2 /NDF: 5327278000.0

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 189.891 $\pm$ 0.038 χ^2 /NDF: 378336.9/16

Right Out: 125.746 $\pm$ 0.036 χ^2 /NDF: 1440002.5/18

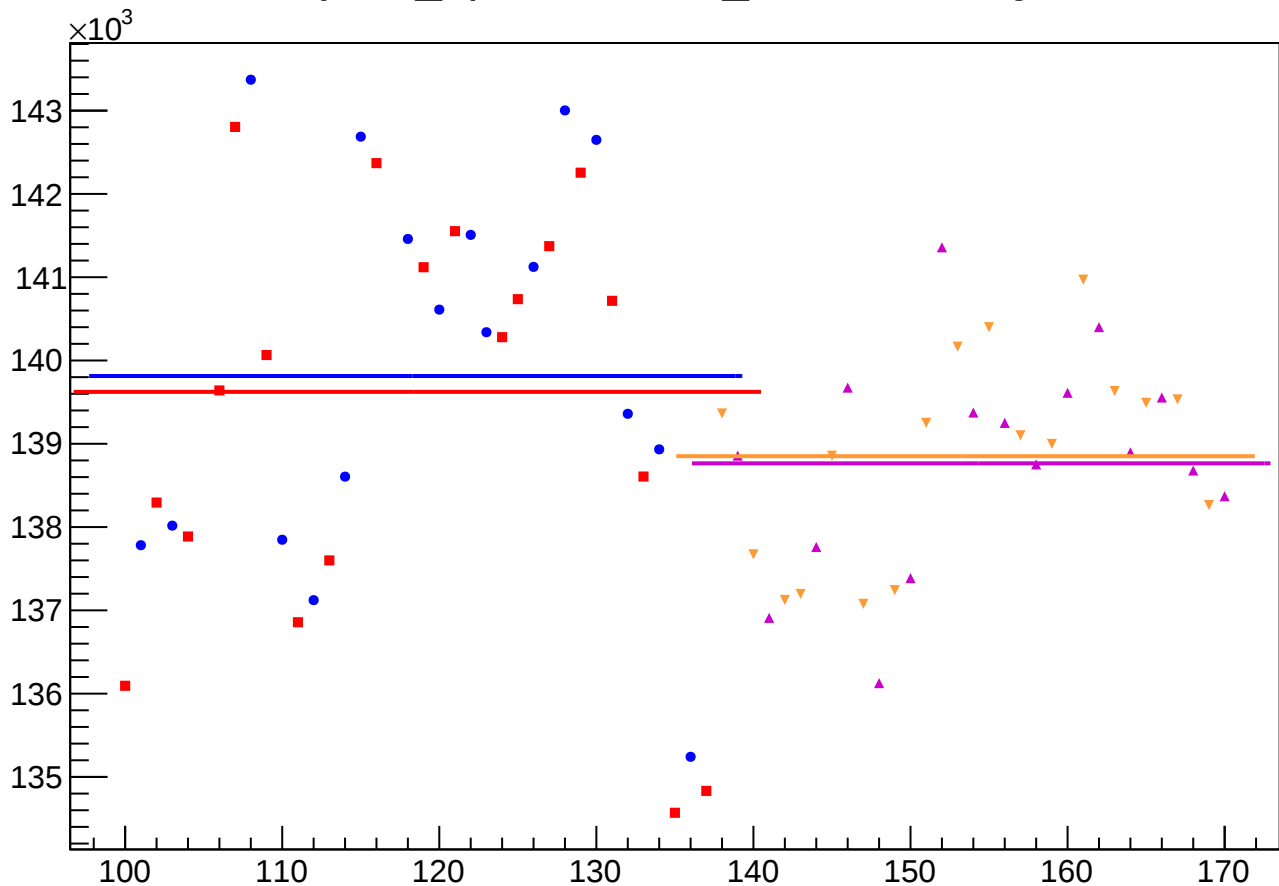
Left In: 195.797 $\pm$ 0.040 χ^2 /NDF: 371856.8/15

+ sign 160.202 $\pm$ 0.027 χ^2 /NDF: 2942432.6/33

All: 158.743 $\pm$ 0.019 χ^2 /NDF: 6451588.3/68

- sign 157.325 $\pm$ 0.027 χ^2 /NDF: 3503474.7/34

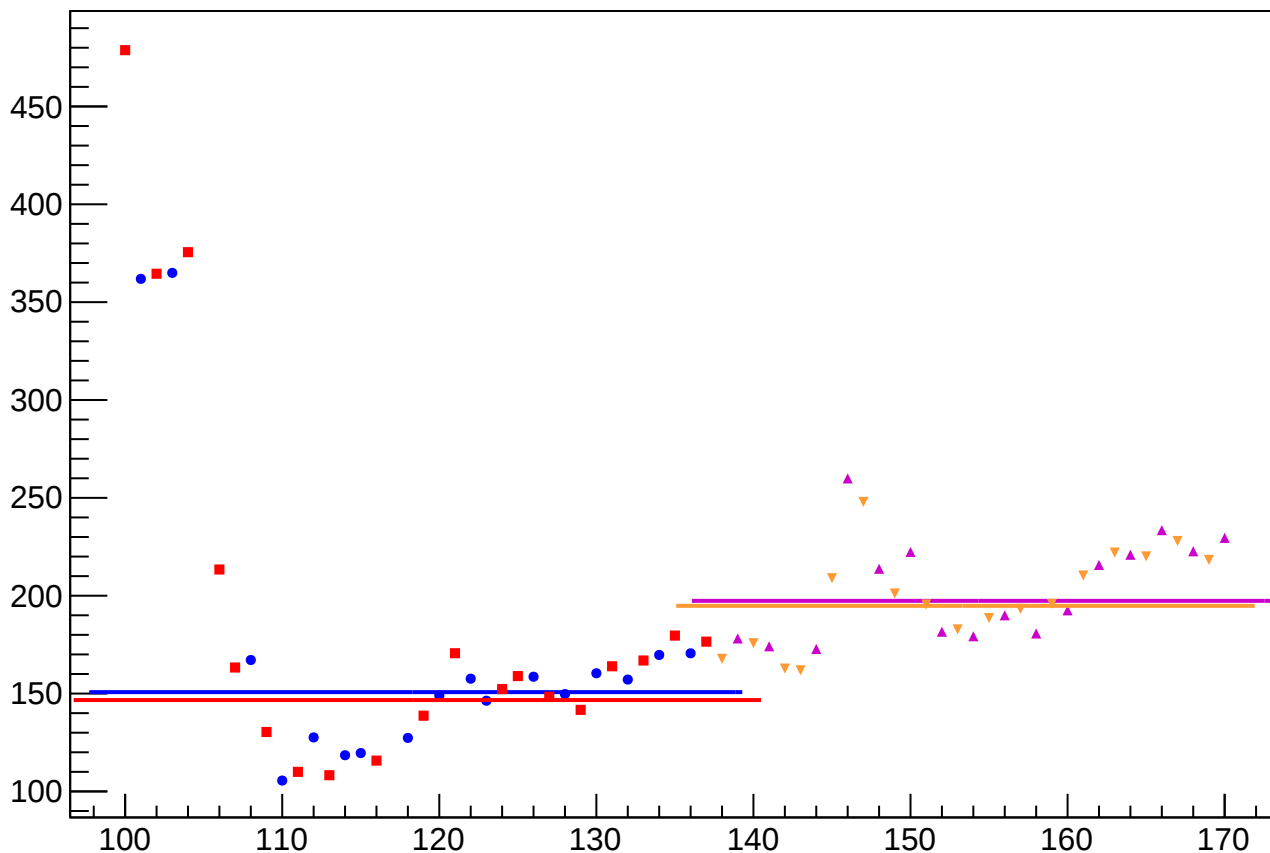
yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 ± 0.062 χ^2/NDF : 1689865533.6/16
 Left Out: 138851.065 ± 0.056 χ^2/NDF : 446500998.3/16
 Right Out: 139623.387 ± 0.059 χ^2/NDF : 1505731109.1/18
 Left In: 138765.149 ± 0.057 χ^2/NDF : 526556698.0/15

+ sign 139283.067 ± 0.041 χ^2/NDF : 2269569820.9/16
 All: 139230.309 ± 0.029 χ^2/NDF : 441458543.0/16
 - sign 139178.834 ± 0.041 χ^2/NDF : 2141820003.7/16

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 194.827+/-0.040 χ^2/NDF : 324831.3/16

Right Out: 146.686+/-0.042 χ^2/NDF : 1203106.6/18

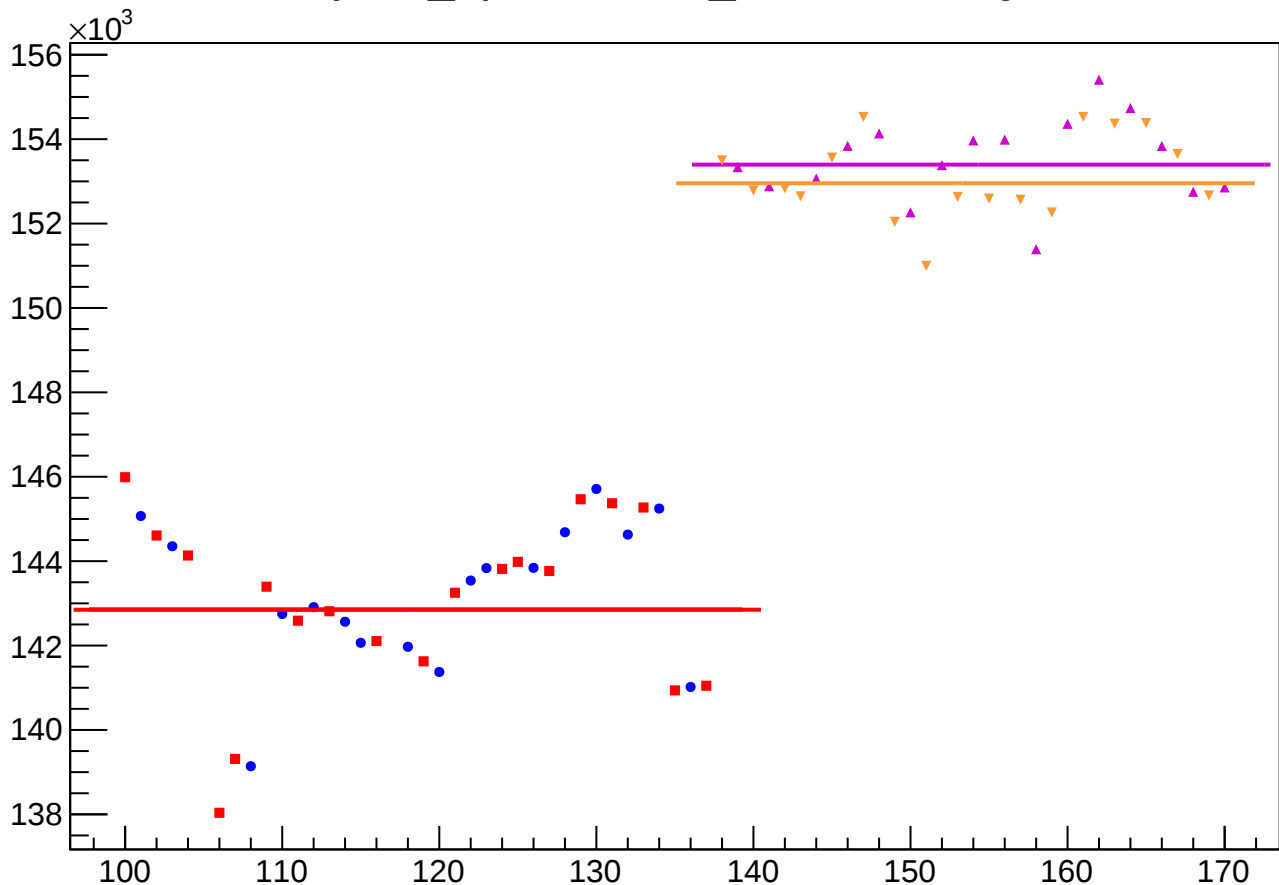
Left In: 197.383+/-0.040 χ^2/NDF : 346825.8/15

+ sign 175.038+/-0.029 χ^2/NDF : 1933897.6/33

All: 173.979+/-0.021 χ^2/NDF : 4250810.4/68

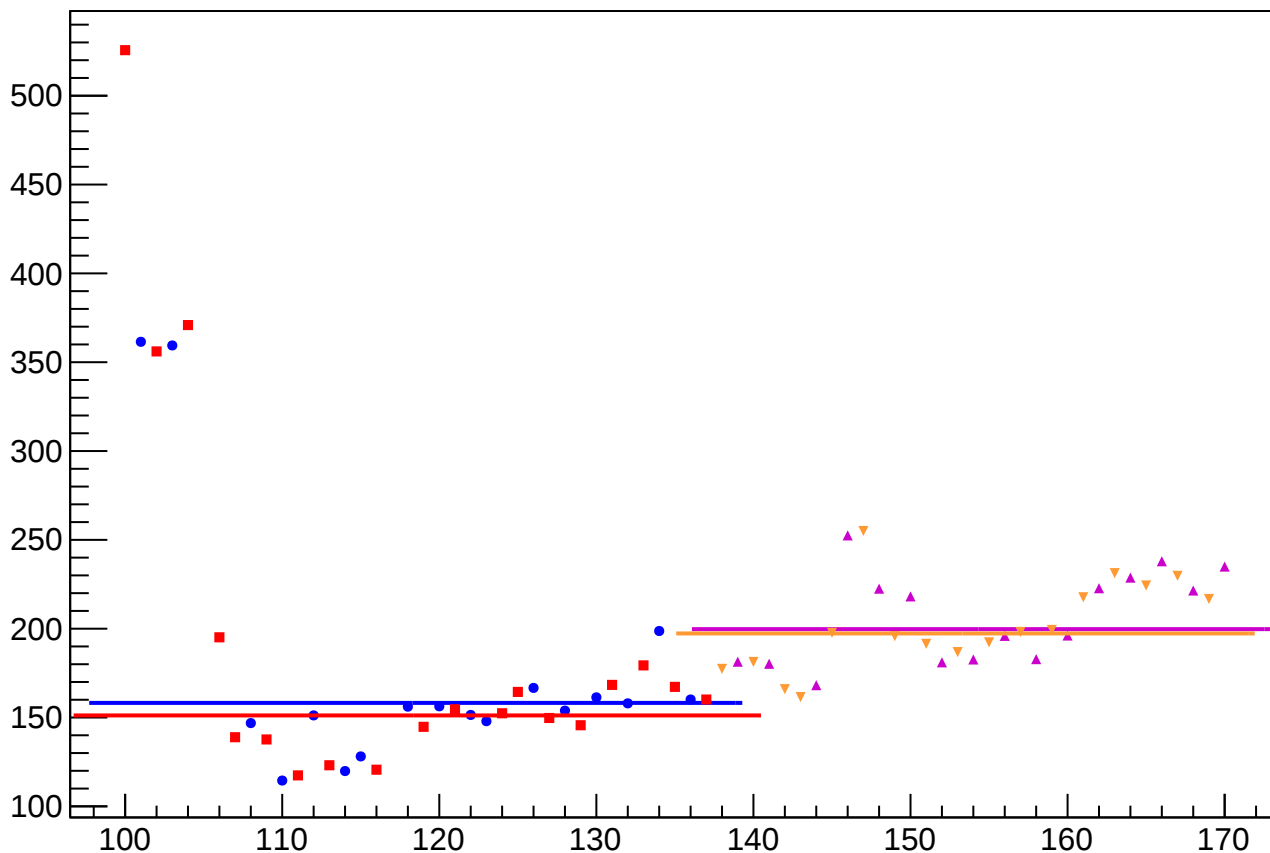
- sign 172.946+/-0.029 χ^2/NDF : 2314338.3/34

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065	χ^2 /NDF: 740367386.5/16	+ sign 148582.183 $\pm$ 0.043	χ^2 /NDF: 14838966902.
Left Out: 152955.679 $\pm$ 0.057	χ^2 /NDF: 260583721.4/16	All: 148477.491 $\pm$ 0.030	χ^2 /NDF: 319540812.
Right Out: 142849.362 $\pm$ 0.060	χ^2 /NDF: 850066807.5/18	- sign 148377.103 $\pm$ 0.042	χ^2 /NDF: 17103254417.1
Left In: 153396.226 $\pm$ 0.058	χ^2 /NDF: 270317364.7/15		

yield_bpm0i05WS_rms vs Slug



Right In: 158.233 ± 0.046 χ^2/NDF : 883513.4/16

Left Out: 197.319 ± 0.040 χ^2/NDF : 315203.1/16

Right Out: 151.174 ± 0.043 χ^2/NDF : 1003301.6/18

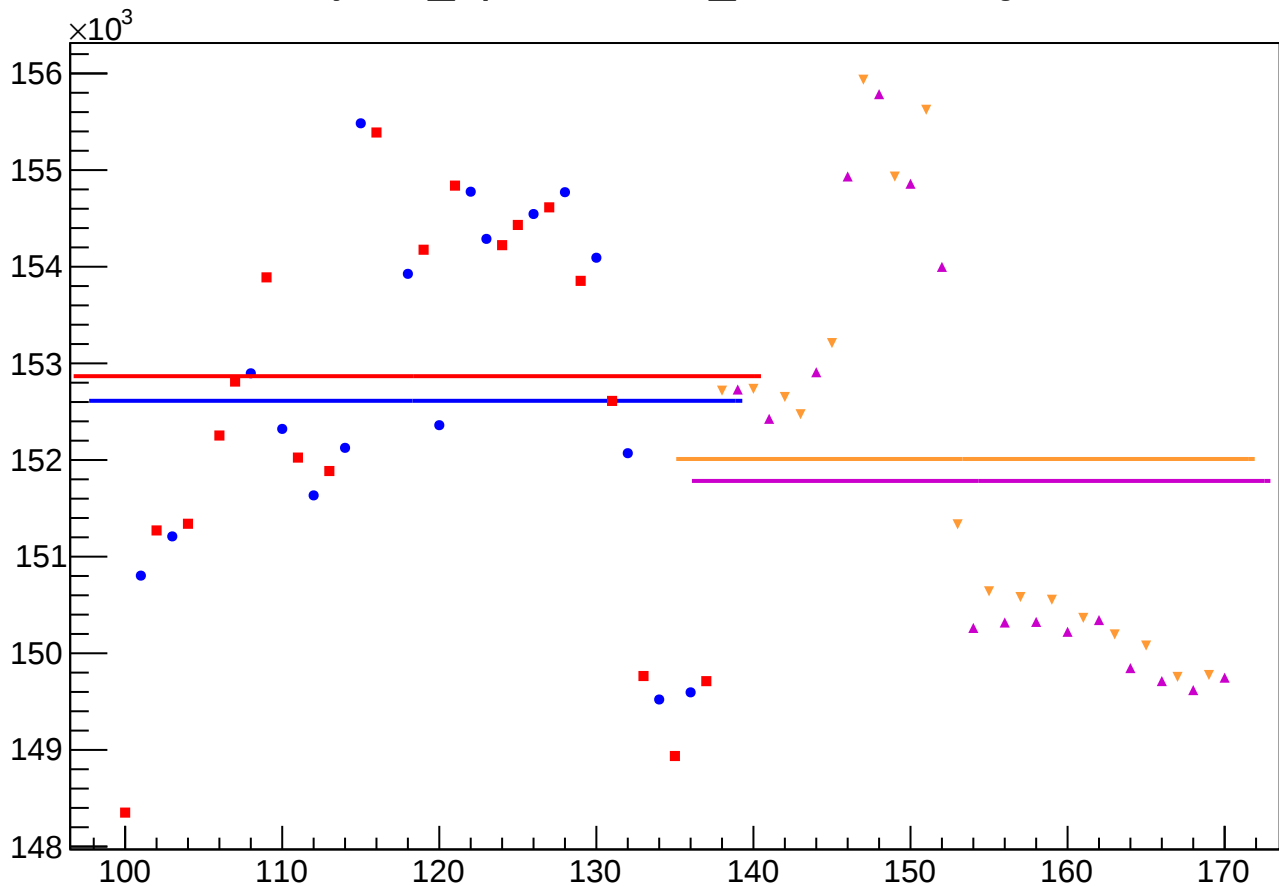
Left In: 199.749 ± 0.041 χ^2/NDF : 349919.9/15

+ sign 180.396 ± 0.030 χ^2/NDF : 1613088.2/33

All: 178.475 ± 0.021 χ^2/NDF : 3652343.7/68

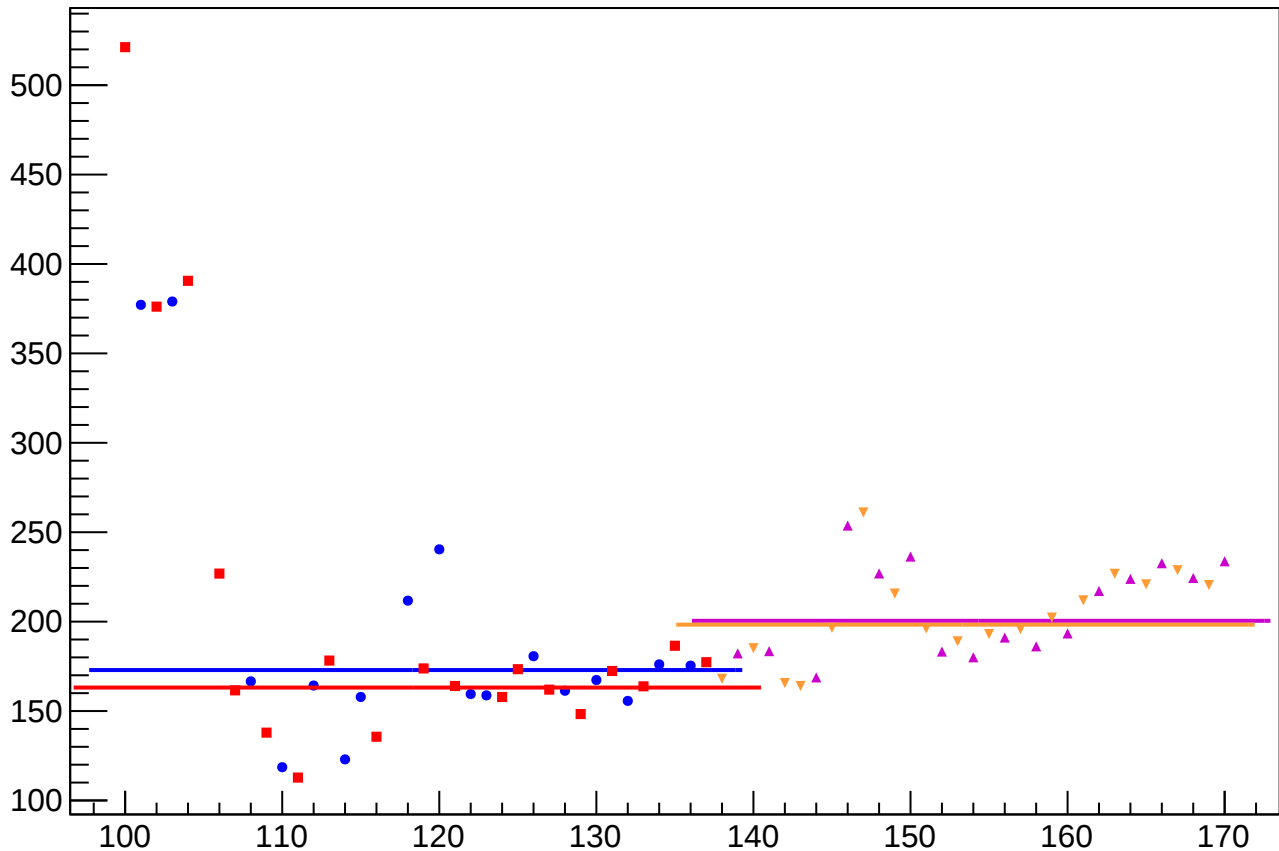
- sign 176.633 ± 0.029 χ^2/NDF : 2031267.3/34

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072	χ^2 /NDF: 621416187.4/16	+ sign 152239.717 $\pm$ 0.045	χ^2 /NDF: 1746799792.0
Left Out: 152010.597 $\pm$ 0.057	χ^2 /NDF: 1082282977.5/16	All: 152245.313 $\pm$ 0.031	χ^2 /NDF: 377377959
Right Out: 152867.453 $\pm$ 0.066	χ^2 /NDF: 719075986.4/18	- sign 152250.648 $\pm$ 0.043	χ^2 /NDF: 2026948936.0
Left In: 151783.516 $\pm$ 0.058	χ^2 /NDF: 1155389720.9/15		

yield_bpm0i07WS_rms vs Slug



Right In: 172.921 ± 0.051 χ^2/NDF : 941954.0/16

Left Out: 198.311 ± 0.040 χ^2/NDF : 334785.9/16

Right Out: 163.138 ± 0.047 χ^2/NDF : 1033751.2/18

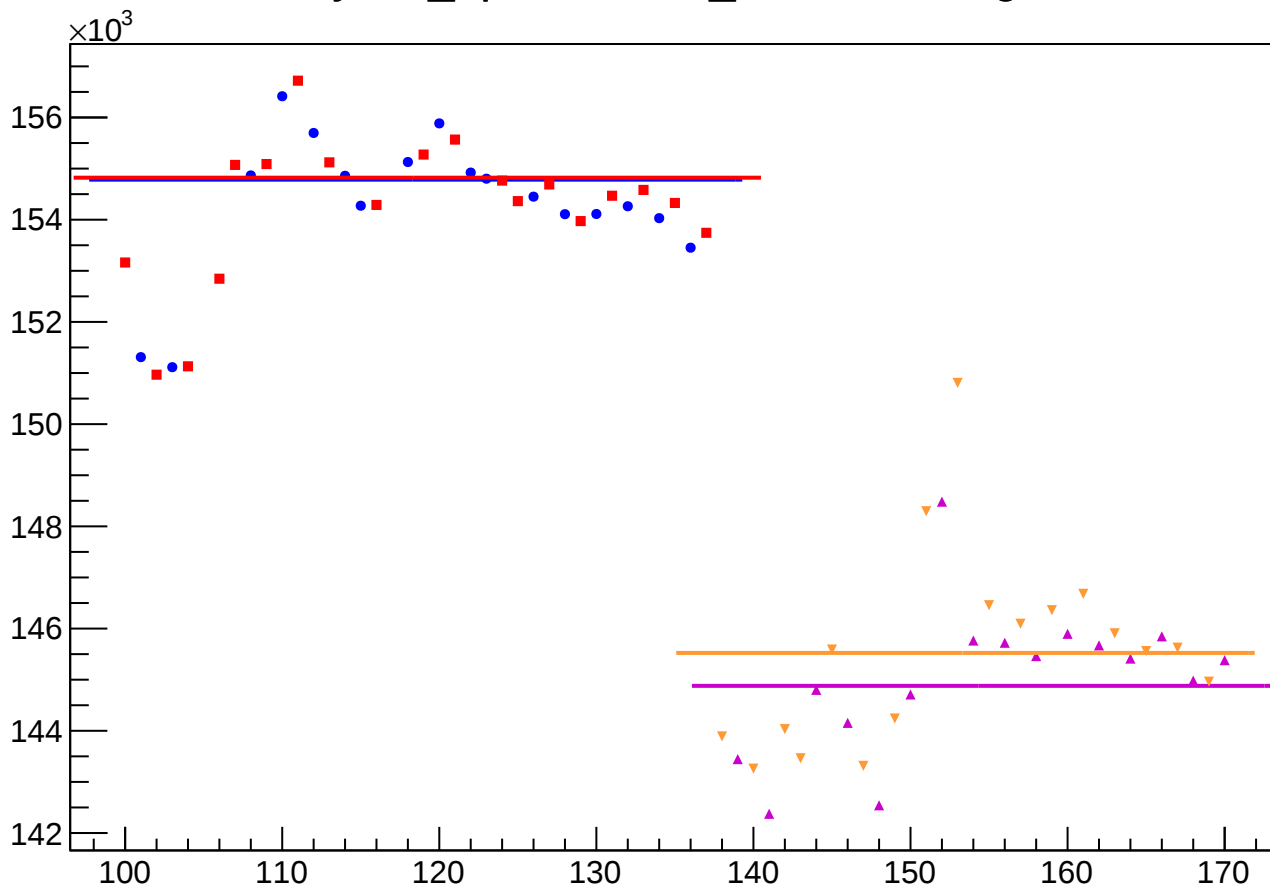
Left In: 200.464 ± 0.041 χ^2/NDF : 361636.2/15

+ sign 188.647 ± 0.031 χ^2/NDF : 1430080.5/33

All: 186.462 ± 0.022 χ^2/NDF : 3196517.9/68

- sign 184.378 ± 0.031 χ^2/NDF : 1757024.1/34

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16

Left Out: 145523.919 $\pm$ 0.053 χ^2 /NDF: 1487155573.9/16

Right Out: 154822.113 $\pm$ 0.061 χ^2 /NDF: 293850525.9/18

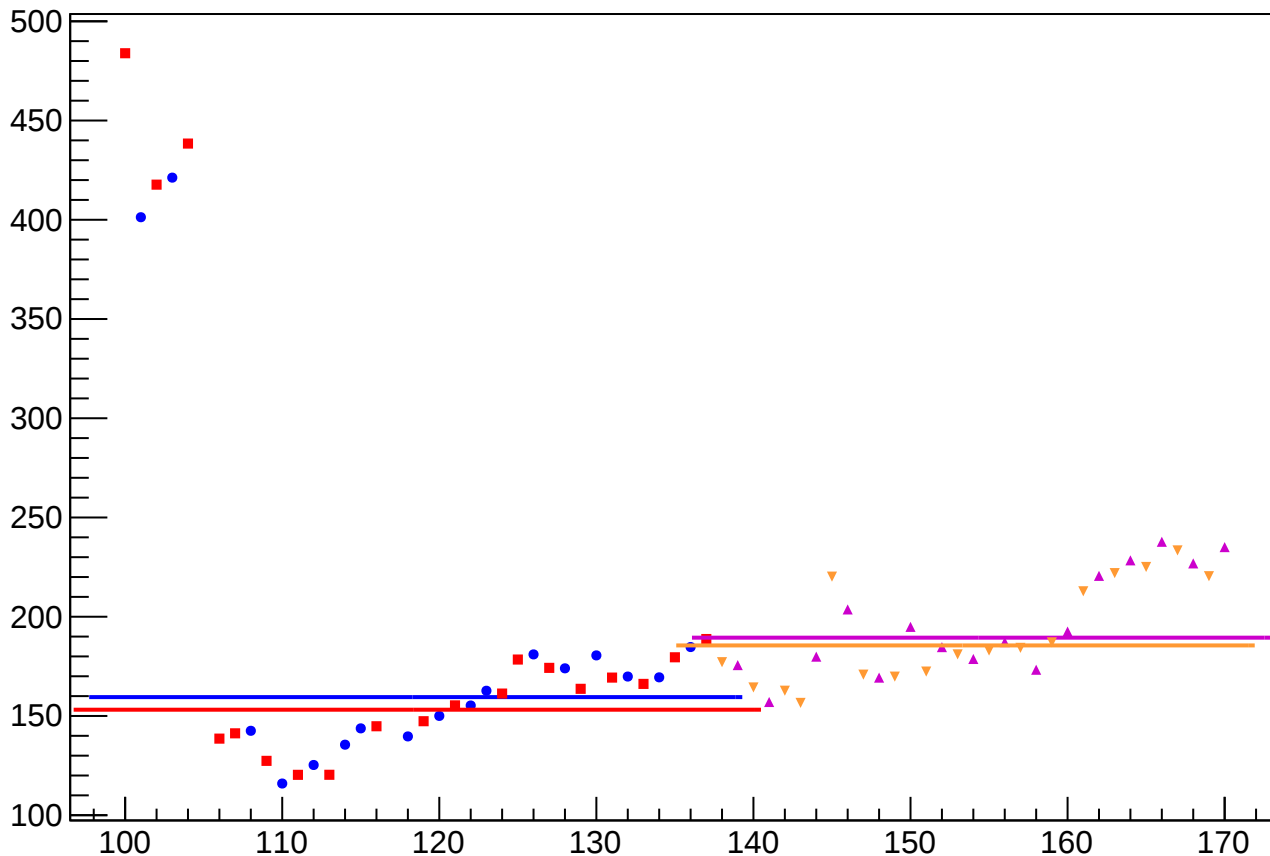
Left In: 144879.711 $\pm$ 0.054 χ^2 /NDF: 826202318.5/15

+ sign 149185.559 $\pm$ 0.041 χ^2 /NDF: 13885091789.8

All: 149236.399 $\pm$ 0.029 χ^2 /NDF: 298555054

- sign 149285.835 $\pm$ 0.041 χ^2 /NDF: 15967396365.7

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 185.541 $\pm$ 0.037 χ^2 /NDF: 370419.4/16

Right Out: 153.153 $\pm$ 0.043 χ^2 /NDF: 1173739.7/18

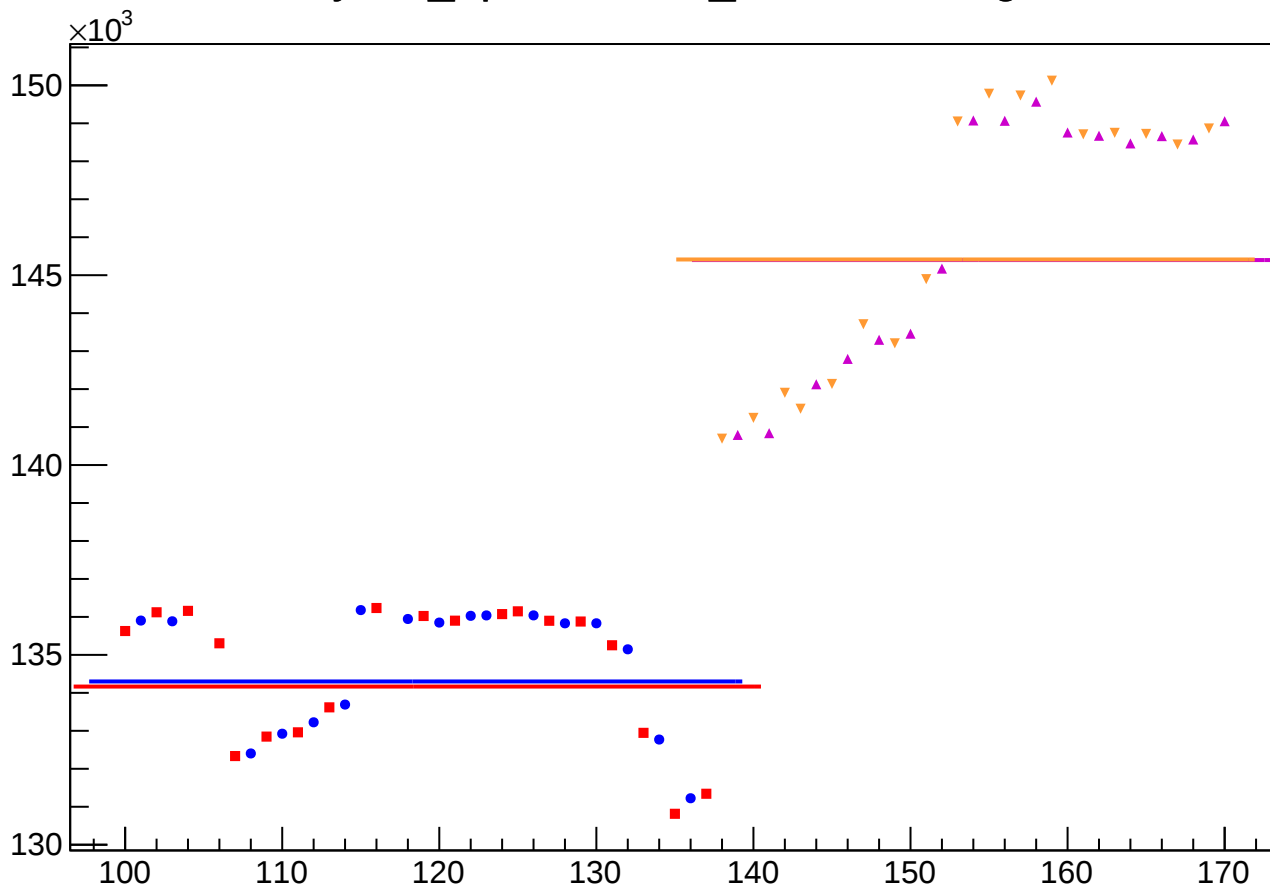
Left In: 189.450 $\pm$ 0.038 χ^2 /NDF: 352248.2/15

+ sign 175.245 $\pm$ 0.029 χ^2 /NDF: 1694103.9/33

All: 174.292 $\pm$ 0.020 χ^2 /NDF: 3617959.3/68

- sign 173.364 $\pm$ 0.029 χ^2 /NDF: 1921732.6/34

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16

Left Out: 145413.741 $\pm$ 0.053 χ^2 /NDF: 4398483263.9/16

Right Out: 134165.615 $\pm$ 0.047 χ^2 /NDF: 1211471052.4/18

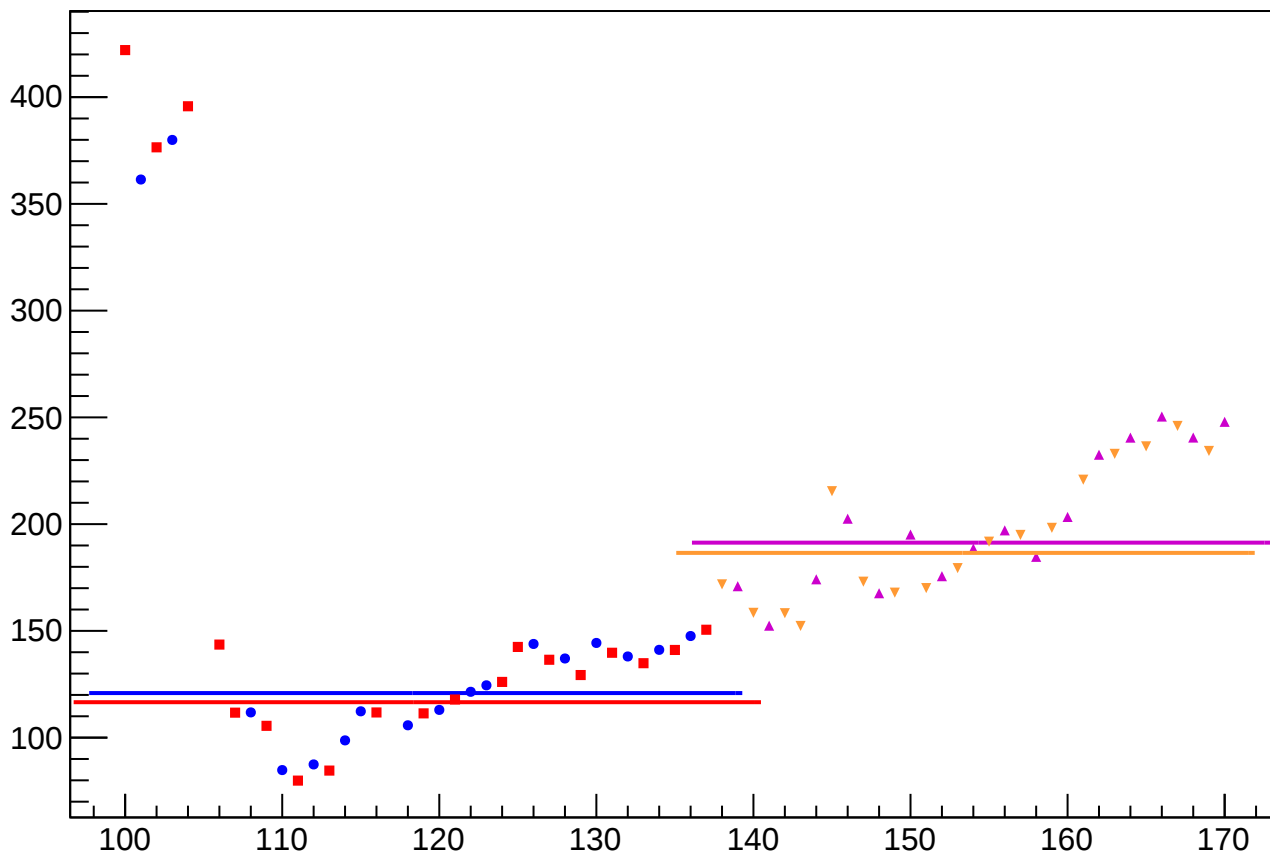
Left In: 145398.573 $\pm$ 0.055 χ^2 /NDF: 3746830517.9/15

+ sign 139534.596 $\pm$ 0.037 χ^2 /NDF: 28503000566.

All: 139233.601 $\pm$ 0.026 χ^2 /NDF: 57489974

- sign 138943.827 $\pm$ 0.036 χ^2 /NDF: 28854338614.7

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 ± 0.036 χ^2/NDF : 1463728.4/16

Left Out: 186.533 ± 0.038 χ^2/NDF : 540186.3/16

Right Out: 116.595 ± 0.034 χ^2/NDF : 1541338.5/18

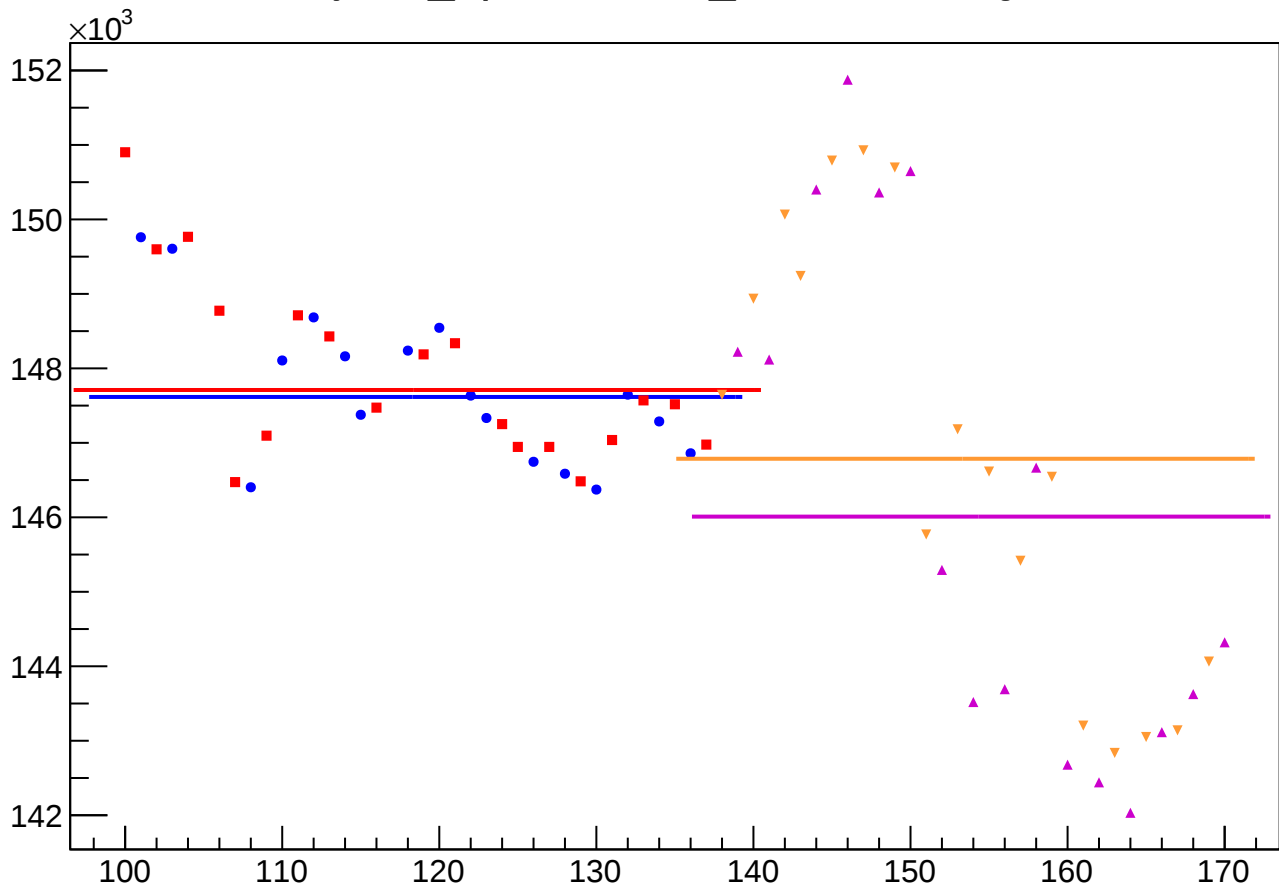
Left In: 191.327 ± 0.039 χ^2/NDF : 513557.2/15

+ sign 151.799 ± 0.026 χ^2/NDF : 3606432.9/33

All: 150.059 ± 0.018 χ^2/NDF : 7785561.8/68

- sign 148.384 ± 0.025 χ^2/NDF : 4170265.0/34

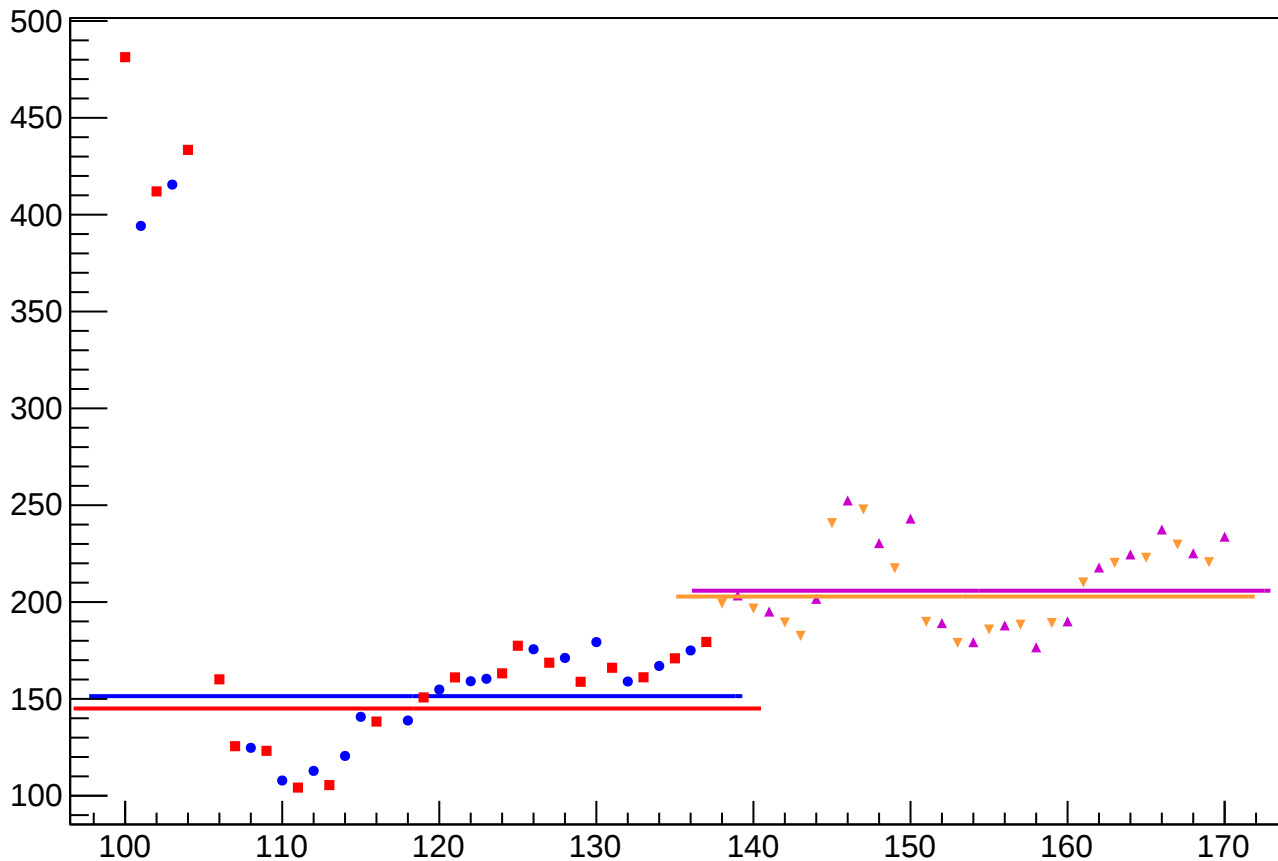
yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 $\pm$ 0.062 χ^2 /NDF: 199263428.7/16
 Left Out: 146786.338 $\pm$ 0.058 χ^2 /NDF: 2048675769.5/16
 Right Out: 147709.723 $\pm$ 0.058 χ^2 /NDF: 203906685.9/18
 Left In: 146009.611 $\pm$ 0.059 χ^2 /NDF: 2747226840.0/15

+ sign 147168.364 $\pm$ 0.042 χ^2 /NDF: 2343113551.3
 All: 147015.677 $\pm$ 0.030 χ^2 /NDF: 573953118
 - sign 146869.509 $\pm$ 0.041 χ^2 /NDF: 3371030330.9/

yield_bpm1i06WS_rms vs Slug



Right In: 151.424+/-0.044 χ^2/NDF : 1257843.0/16

Left Out: 202.849+/-0.041 χ^2/NDF : 236601.4/16

Right Out: 145.039+/-0.041 χ^2/NDF : 1375972.0/18

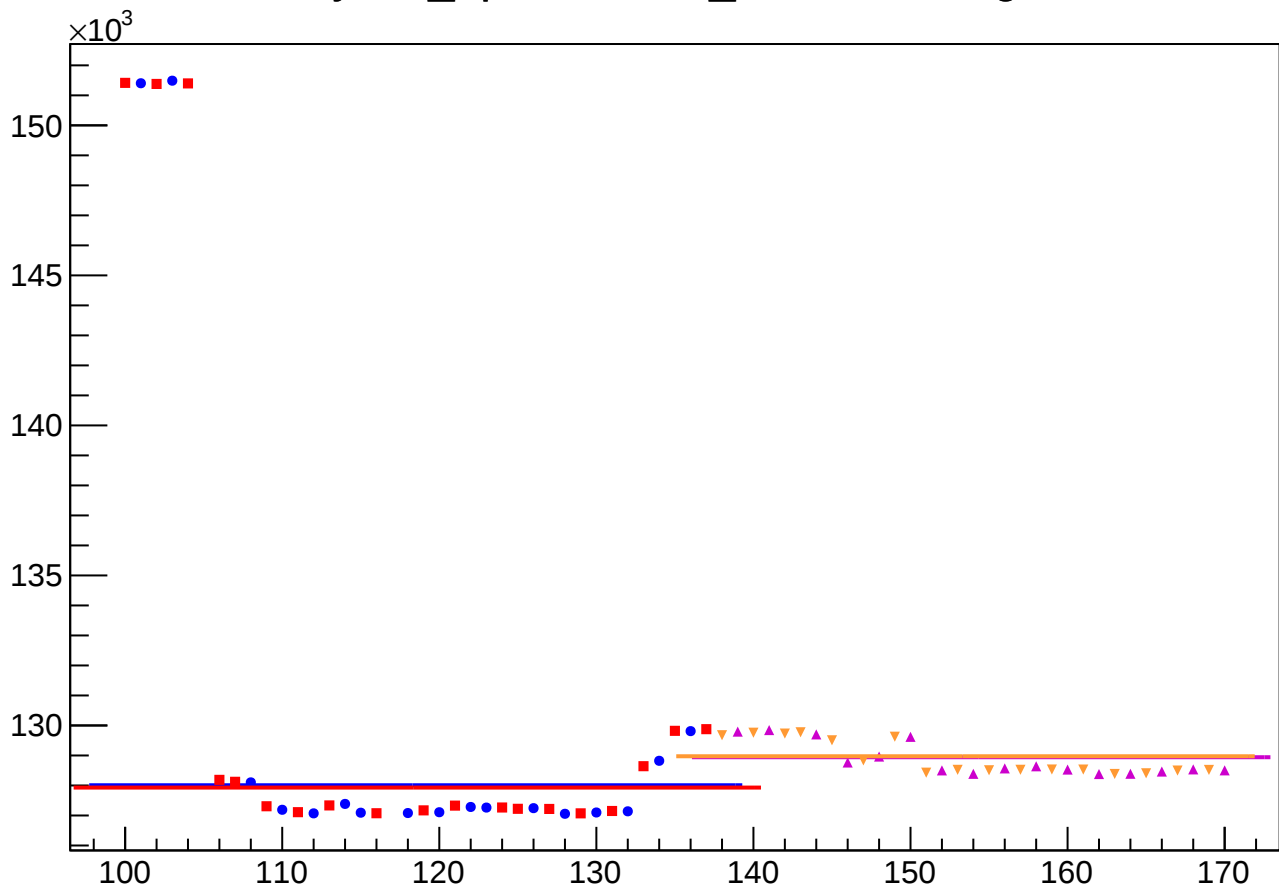
Left In: 205.857+/-0.042 χ^2/NDF : 303567.6/15

+ sign 179.174+/-0.030 χ^2/NDF : 2225470.4/33

All: 177.091+/-0.021 χ^2/NDF : 4989148.2/68

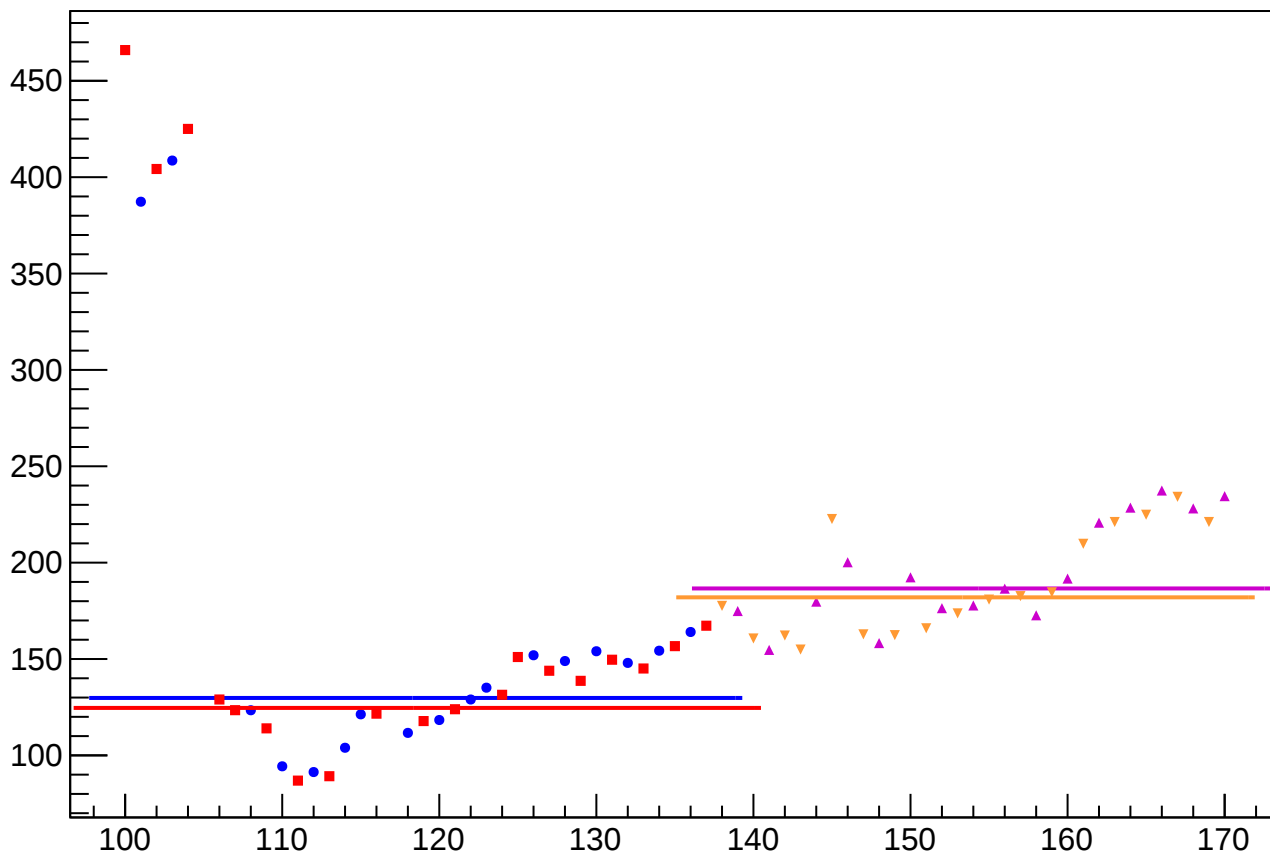
- sign 175.096+/-0.029 χ^2/NDF : 2754225.2/34

yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16
 Left Out: 128973.618 $\pm$ 0.052 χ^2 /NDF: 121458777.2/16
 Right Out: 127930.136 $\pm$ 0.050 χ^2 /NDF: 3768176193.0/18
 Left In: 128941.665 $\pm$ 0.054 χ^2 /NDF: 109379717.0/15
 + sign 128510.961 $\pm$ 0.037 χ^2 /NDF: 4607356002.5
 All: 128456.813 $\pm$ 0.026 χ^2 /NDF: 867817167
 - sign 128404.807 $\pm$ 0.037 χ^2 /NDF: 4066717672.6

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 181.997 $\pm$ 0.037 χ^2 /NDF: 438449.6/16

Right Out: 124.625 $\pm$ 0.036 χ^2 /NDF: 1531827.4/18

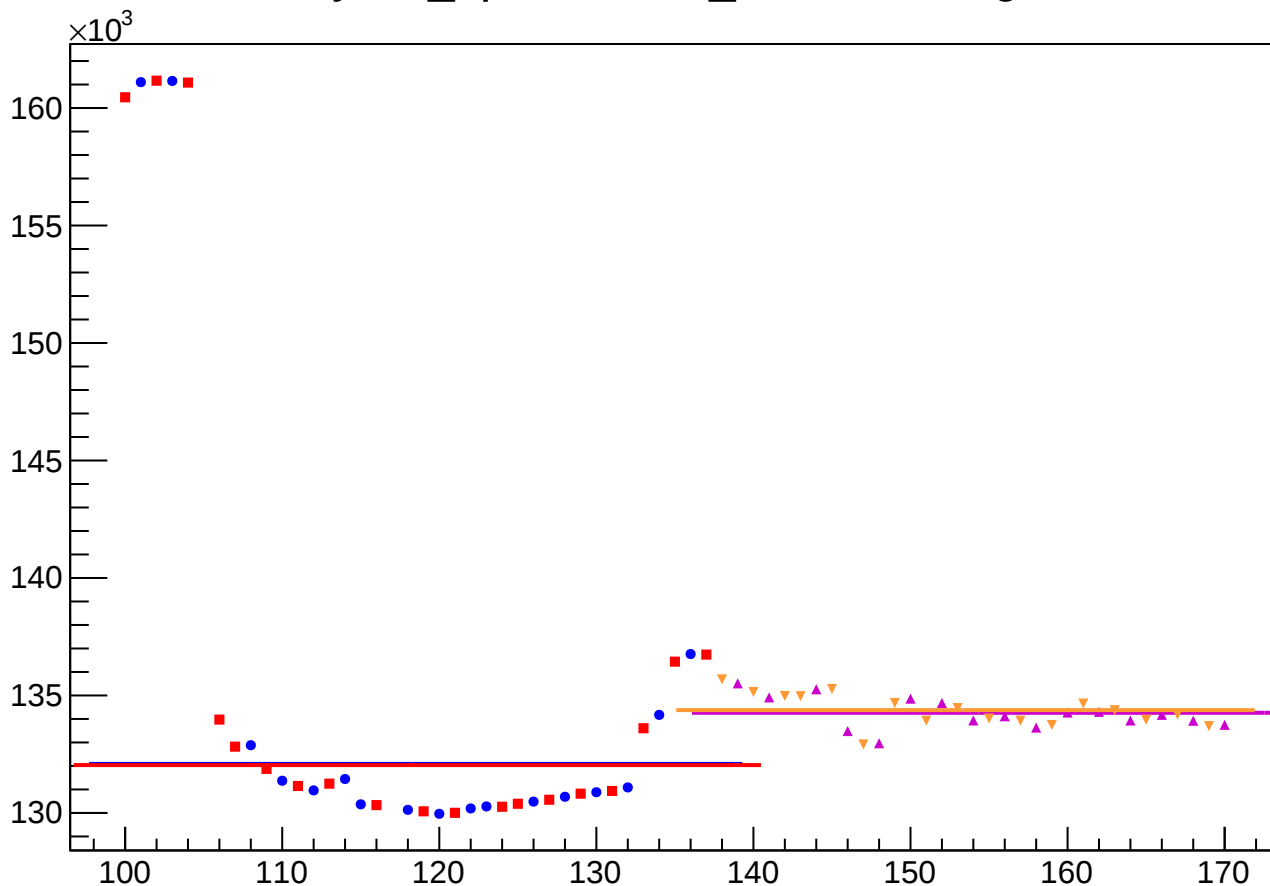
Left In: 186.610 $\pm$ 0.038 χ^2 /NDF: 408045.7/15

+ sign 157.002 $\pm$ 0.026 χ^2 /NDF: 2893360.2/33

All: 155.324 $\pm$ 0.019 χ^2 /NDF: 6261775.1/68

- sign 153.712 $\pm$ 0.026 χ^2 /NDF: 3360541.6/34

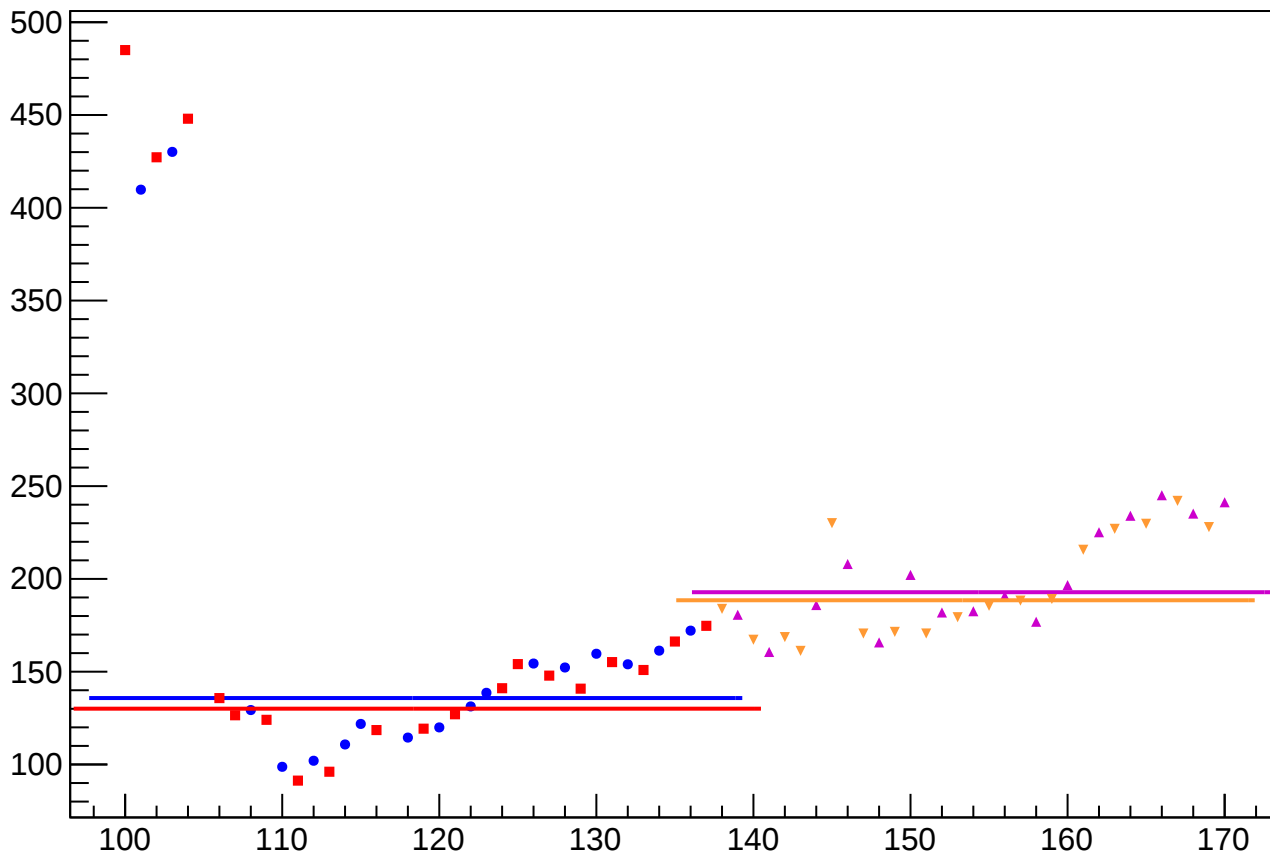
yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16
 Left Out: 134376.498 $\pm$ 0.054 χ^2 /NDF: 170839996.9/16
 Right Out: 132037.539 $\pm$ 0.053 χ^2 /NDF: 5882115872.9/18
 Left In: 134262.672 $\pm$ 0.055 χ^2 /NDF: 162943811.5/15

+ sign 133290.125 $\pm$ 0.039 χ^2 /NDF: 7766414127.9
 - sign 133091.940 $\pm$ 0.038 χ^2 /NDF: 6895323490.5
 All: 133188.891 $\pm$ 0.027 χ^2 /NDF: 146749723

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 188.492 $\pm$ 0.038 χ^2 /NDF: 408551.8/16

Right Out: 130.070 $\pm$ 0.037 χ^2 /NDF: 1503997.6/18

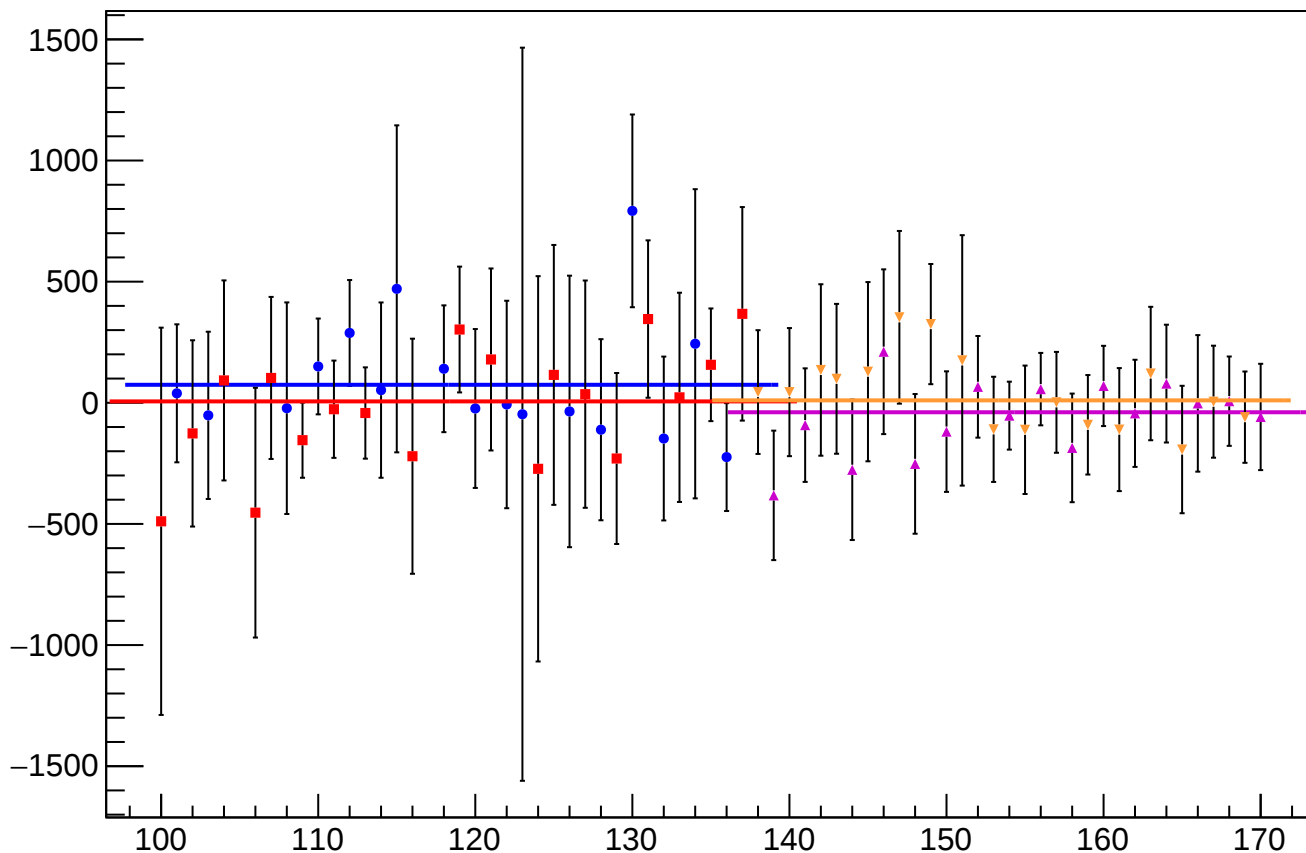
Left In: 192.830 $\pm$ 0.039 χ^2 /NDF: 390476.9/15

+ sign 163.490 $\pm$ 0.028 χ^2 /NDF: 2763959.4/33

All: 161.610 $\pm$ 0.019 χ^2 /NDF: 6020398.4/68

- sign 159.809 $\pm$ 0.027 χ^2 /NDF: 3247307.6/34

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 10.023+/-62.558 χ^2/NDF : 4.9/16

Right Out: 5.739+/-70.069 χ^2/NDF : 7.1/18

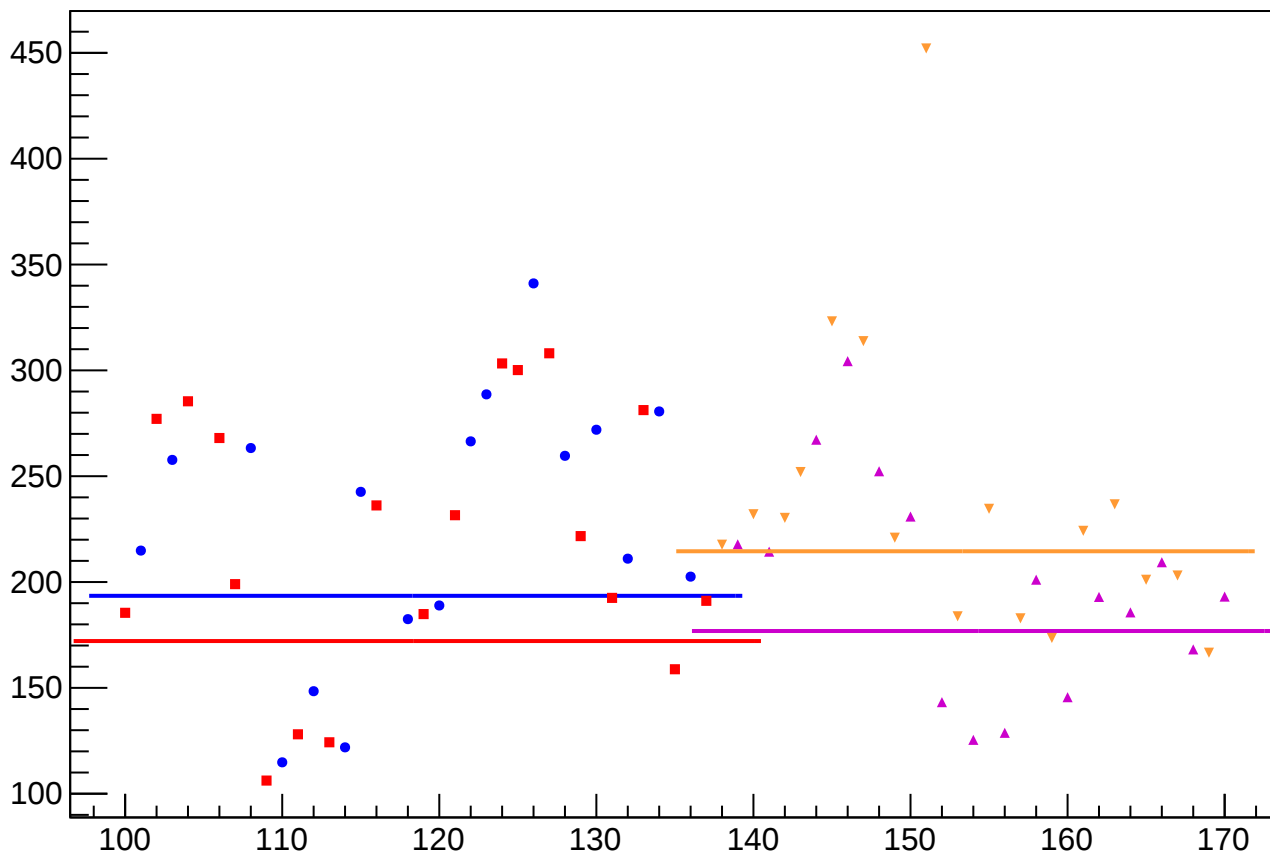
Left In: -39.052+/-53.018 χ^2/NDF : 5.4/15

+ sign 34.786+/-49.048 χ^2/NDF : 13.0/33

All: 1.780+/-32.024 χ^2/NDF : 26.5/68

- sign -22.744+/-42.279 χ^2/NDF : 12.8/34

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 214.538 $\pm$ 0.044 χ^2 /NDF: 1126484.8/16

Right Out: 172.122 $\pm$ 0.050 χ^2 /NDF: 1579840.2/18

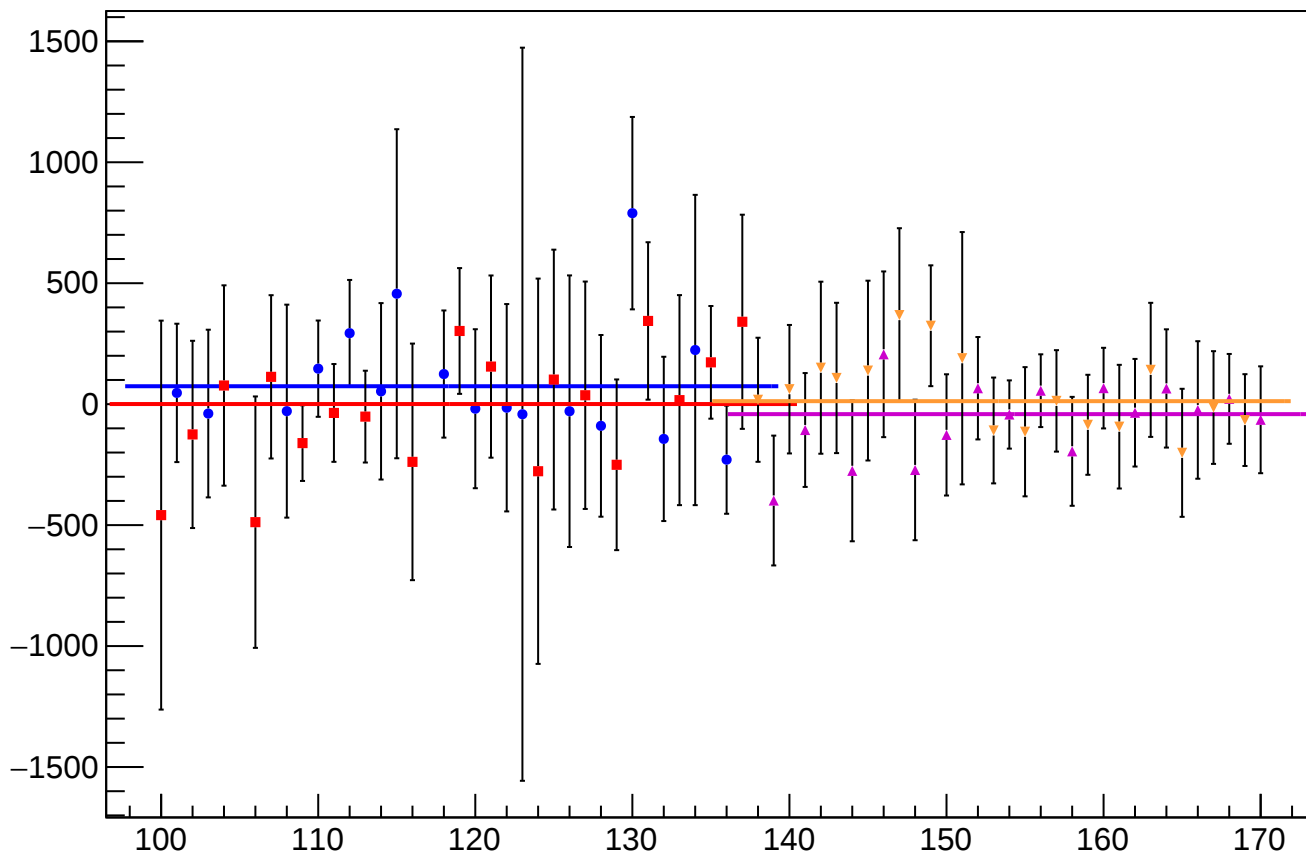
Left In: 176.862 $\pm$ 0.037 χ^2 /NDF: 1482288.4/15

+ sign 206.428 $\pm$ 0.035 χ^2 /NDF: 2230928.7/33

All: 188.475 $\pm$ 0.023 χ^2 /NDF: 5765897.1/68

- sign 175.136 $\pm$ 0.030 χ^2 /NDF: 3067946.8/34

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098+/-79.404 χ^2/NDF : 7.6/16

Left Out: 12.407+/-62.967 χ^2/NDF : 5.0/16

Right Out: 0.503+/-70.437 χ^2/NDF : 7.3/18

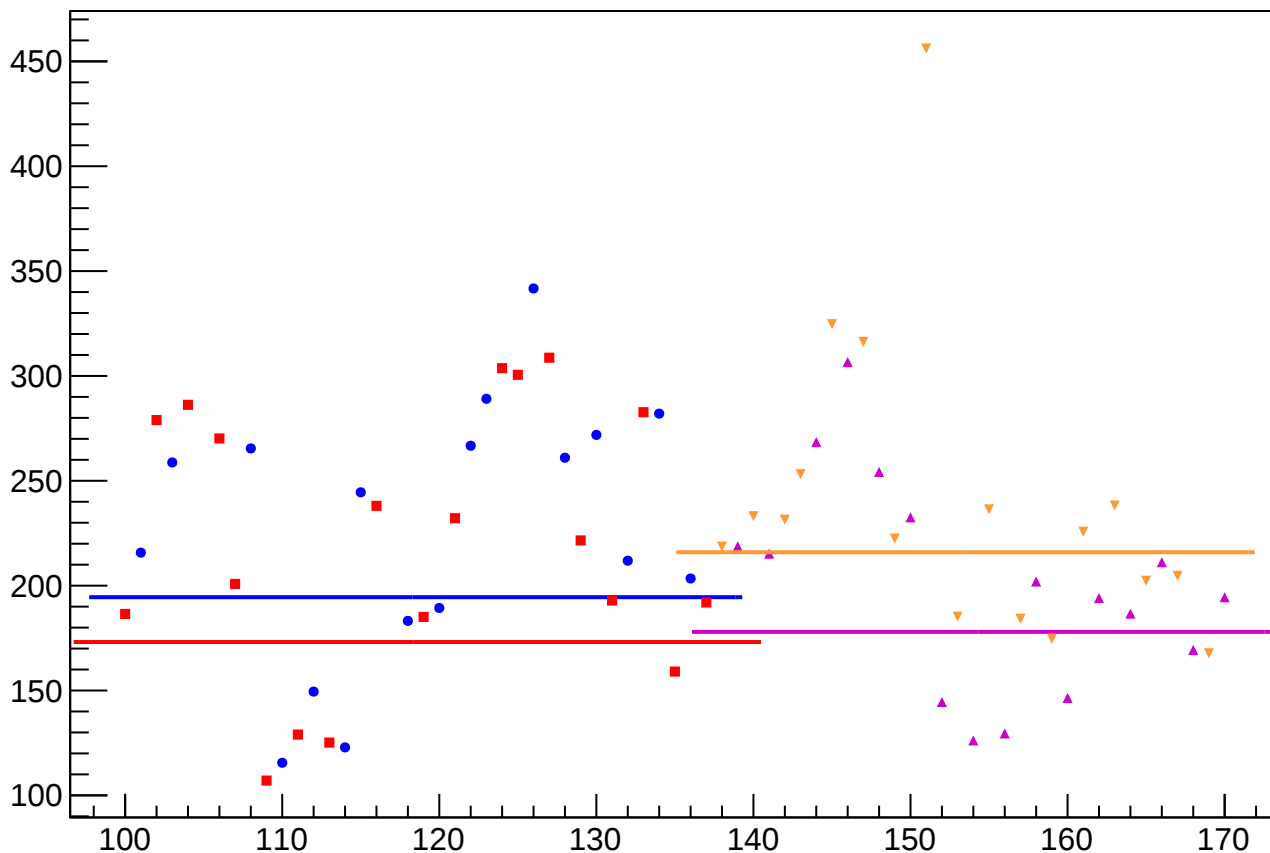
Left In: -41.234+/-53.351 χ^2/NDF : 5.6/15

+ sign 36.224+/-49.337 χ^2/NDF : 13.0/33

All: 0.515+/-32.213 χ^2/NDF : 27.0/68

- sign -26.018+/-42.528 χ^2/NDF : 13.2/34

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496+/-0.056 χ^2/NDF : 1008514.7/16

Left Out: 215.938+/-0.045 χ^2/NDF :1125455.8/16

Right Out: 173.111+/-0.050 χ^2/NDF : 1567374.3/18

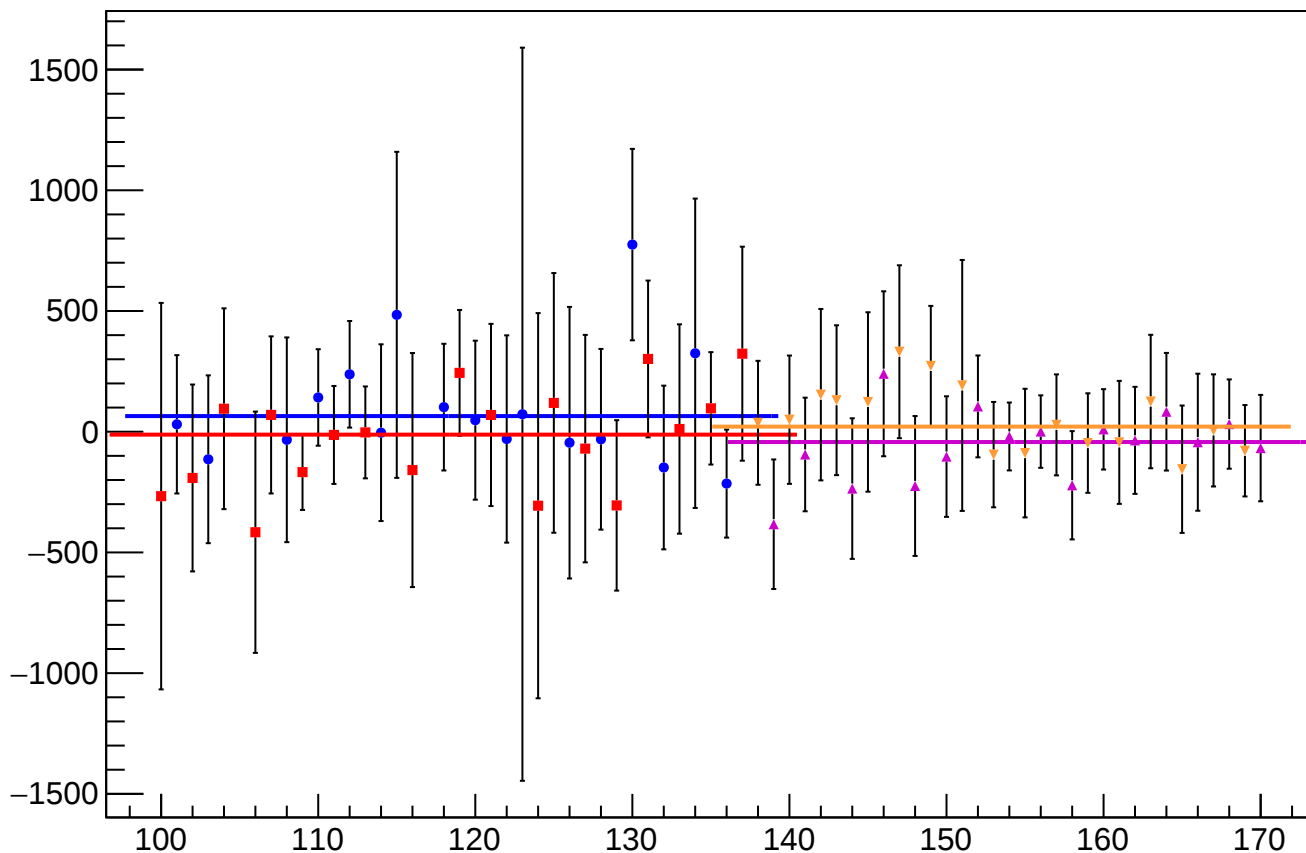
Left In: 177.967+/-0.038 χ^2/NDF :1481039.2/15

+ sign 207.660+/-0.035 χ^2/NDF : 2223505.9/33

All: 189.609+/-0.023 χ^2/NDF : 5744610.0/68

- sign 176.197+/-0.030 χ^2/NDF : 3054452.1/34

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 21.115 ± 62.822 χ^2/NDF : 3.7/16

Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

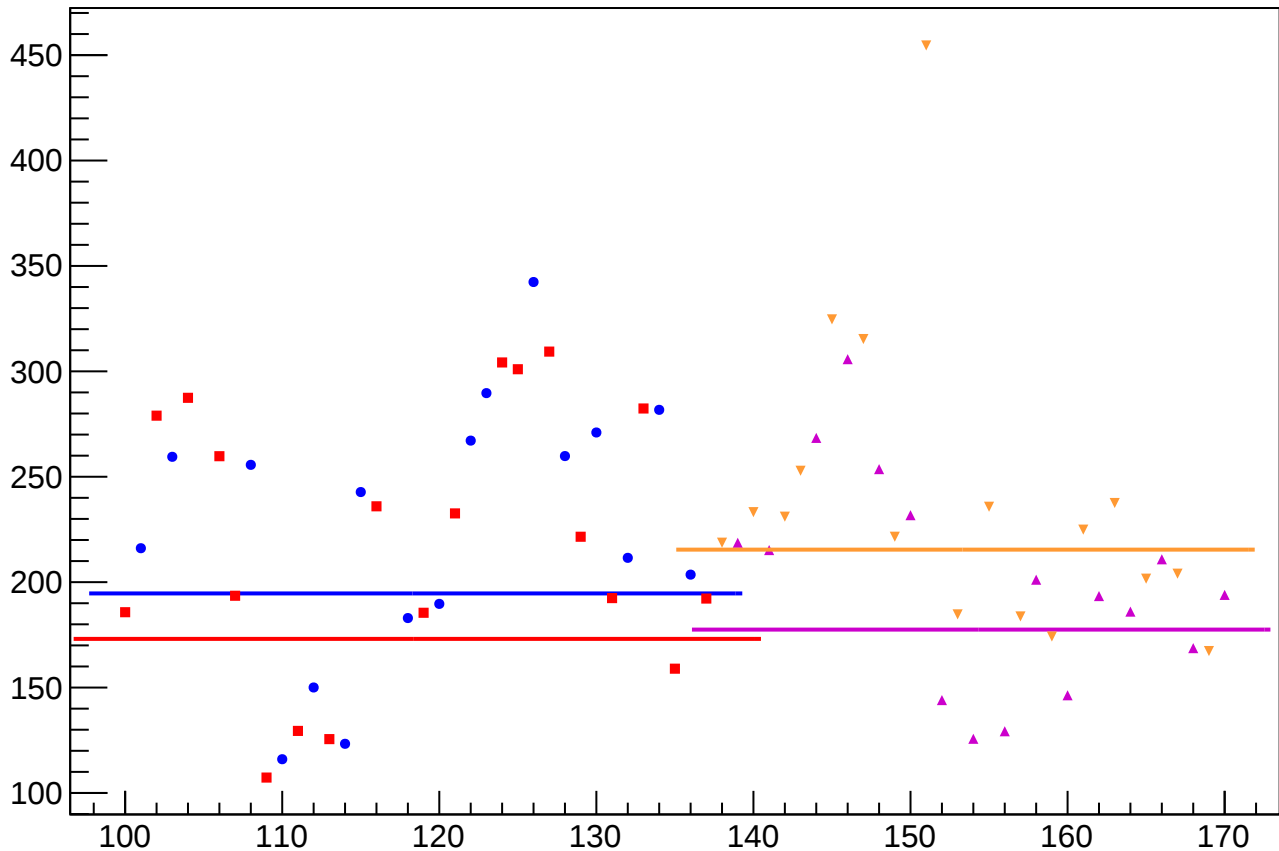
Left In: -42.749 ± 53.213 χ^2/NDF : 5.0/15

+ sign 37.908 ± 49.266 χ^2/NDF : 10.9/33

All: -1.987 ± 32.155 χ^2/NDF : 23.0/68

- sign -31.595 ± 42.442 χ^2/NDF : 10.9/34

asym_bcm_an_us_rms vs Slug



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 215.429 $\pm$ 0.044 χ^2 /NDF:1127558.1/16

Right Out: 173.089 $\pm$ 0.050 χ^2 /NDF: 1544540.9/18

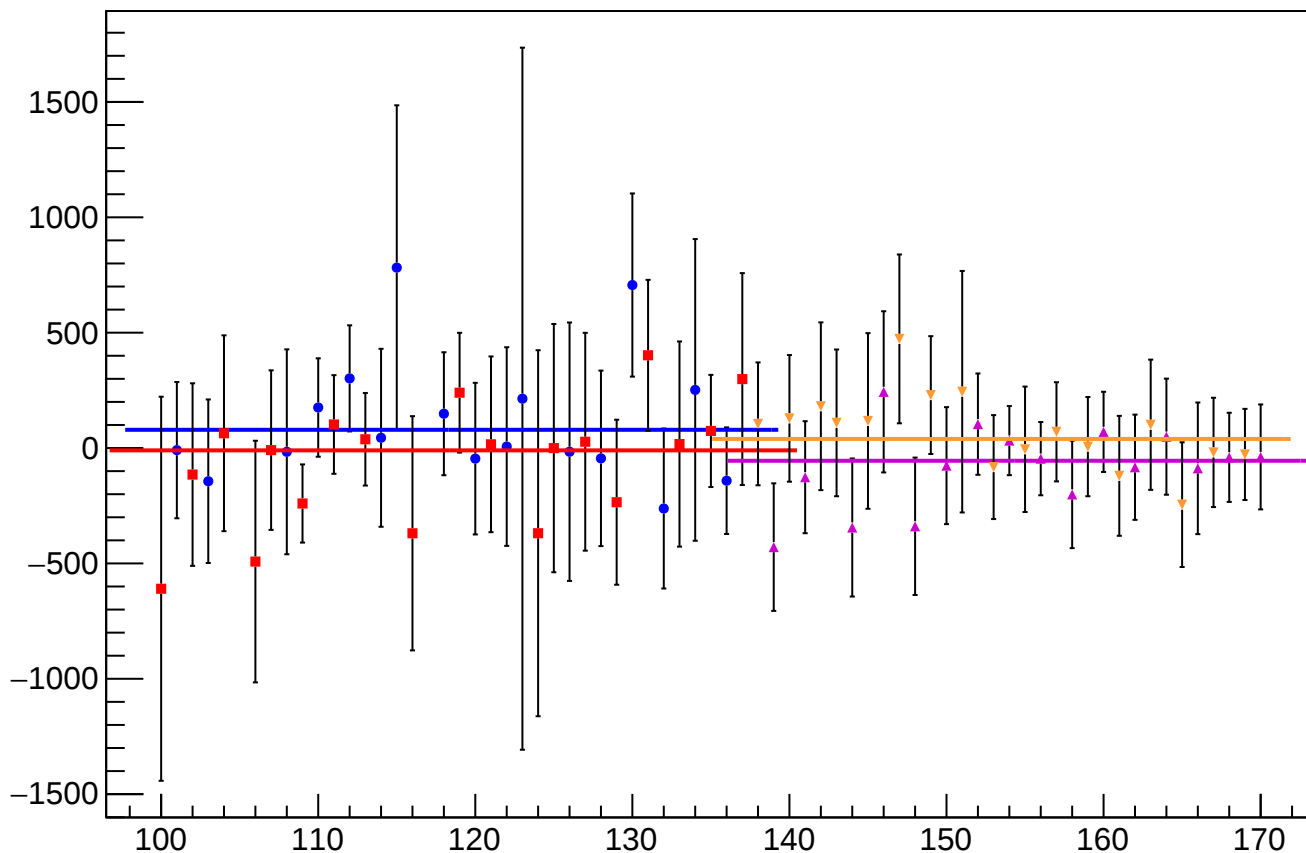
Left In: 177.496 $\pm$ 0.038 χ^2 /NDF:1484737.7/15

+ sign 207.430 $\pm$ 0.035 χ^2 /NDF: 2198585.8/33

All: 189.327 $\pm$ 0.023 χ^2 /NDF: 5703295.7/68

- sign 175.892 $\pm$ 0.030 χ^2 /NDF: 3034270.0/34

asym_bcm_dg_us_mean vs Slug



Right In: 79.128 $\pm$ 81.874 χ^2 /NDF: 7.5/16

Left Out: 39.428 $\pm$ 64.649 χ^2 /NDF: 4.6/16

Right Out: -9.982 $\pm$ 73.310 χ^2 /NDF: 7.9/18

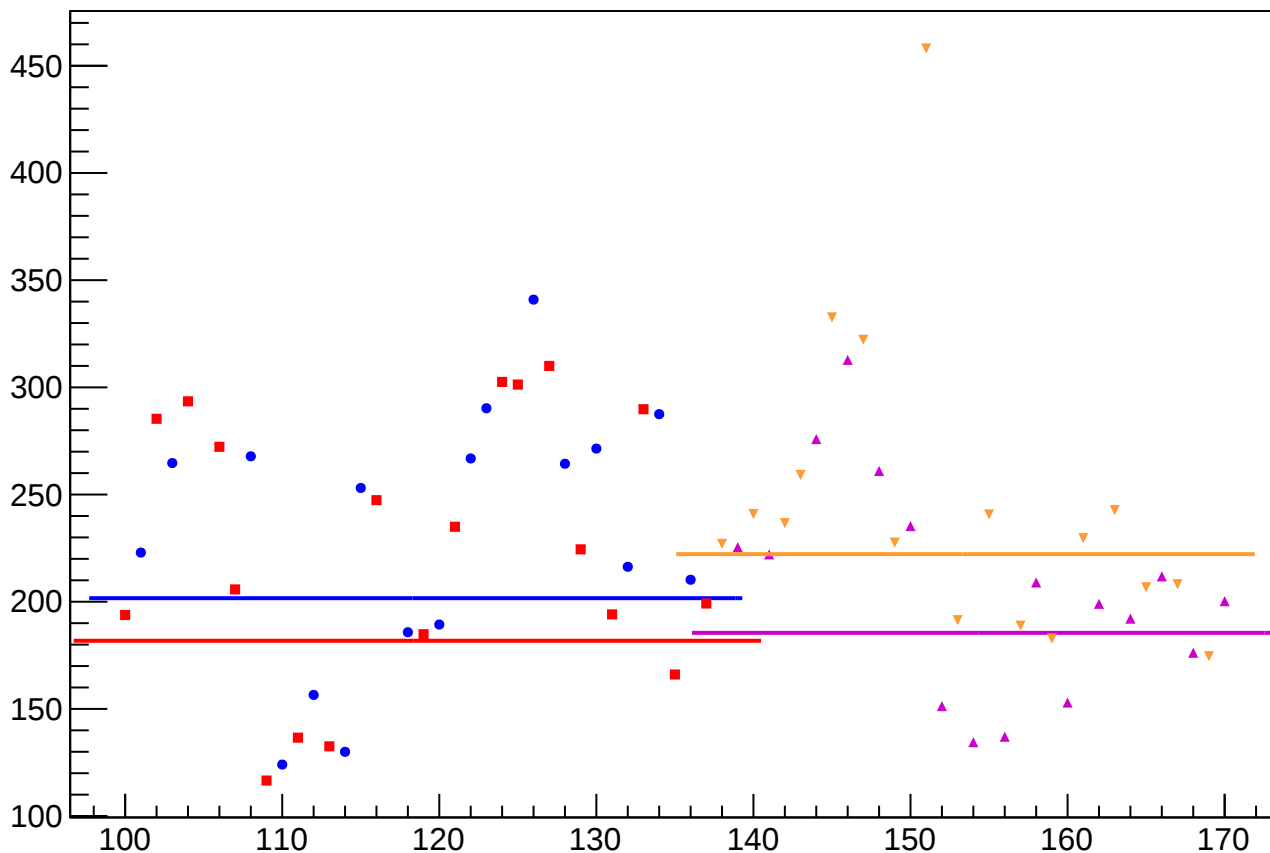
Left In: -55.040 $\pm$ 55.355 χ^2 /NDF: 6.5/15

+ sign 54.675 $\pm$ 50.738 χ^2 /NDF: 12.3/33

All: 1.575 $\pm$ 33.317 χ^2 /NDF: 28.8/68

- sign -38.678 $\pm$ 44.176 χ^2 /NDF: 14.6/34

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 ± 0.058 $\chi^2/\text{NDF}: 883179.7/16$

Left Out: 222.189 ± 0.046 $\chi^2/\text{NDF}: 1069024.5/16$

Right Out: 181.797 ± 0.052 $\chi^2/\text{NDF}: 1377449.9/18$

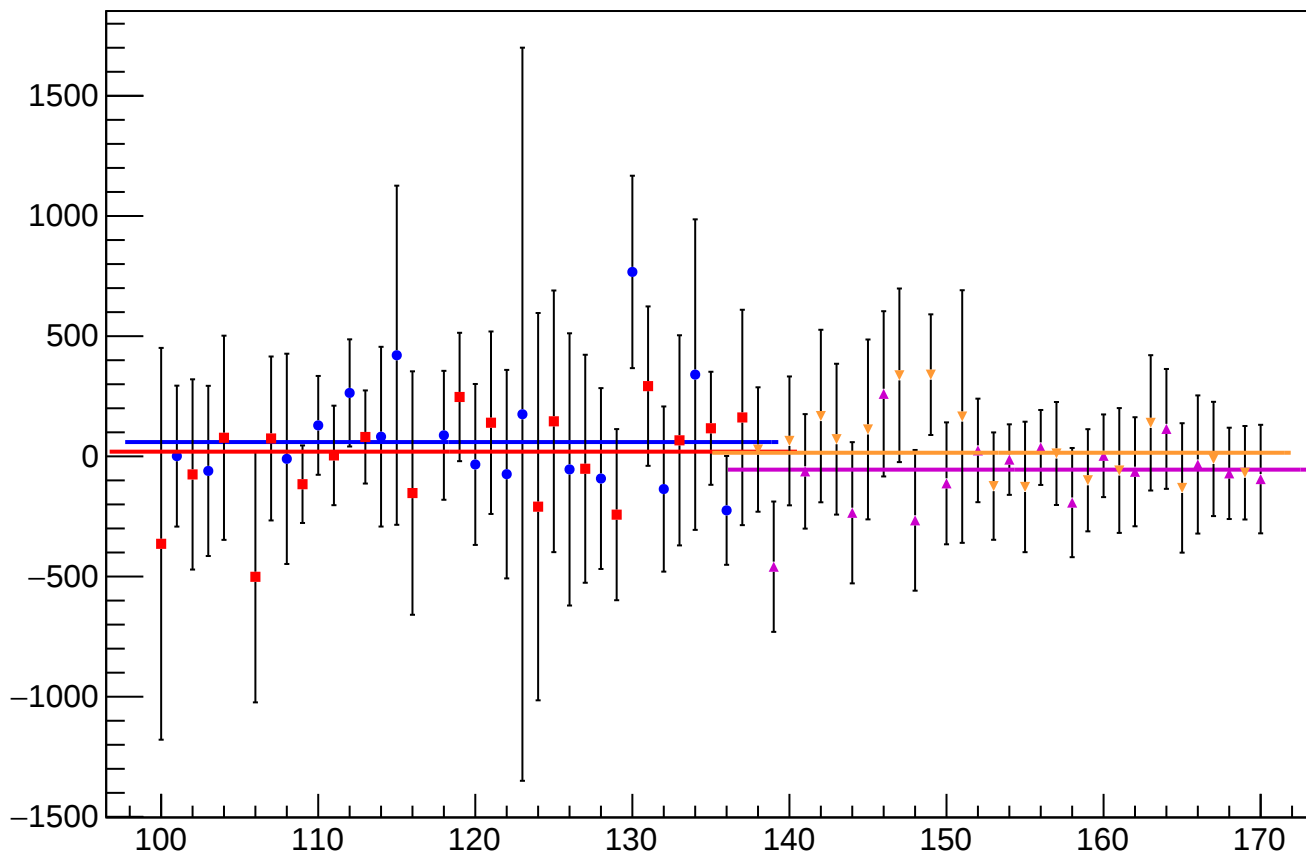
Left In: 185.488 ± 0.039 $\chi^2/\text{NDF}: 1337250.8/15$

+ sign 214.303 ± 0.036 $\chi^2/\text{NDF}: 2029697.9/33$

All: 197.150 ± 0.024 $\chi^2/\text{NDF}: 5149455.3/68$

- sign 184.148 ± 0.031 $\chi^2/\text{NDF}: 2717928.5/34$

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 $\pm$ 80.808 χ^2 /NDF: 7.0/16

Left Out: 15.004 $\pm$ 64.021 χ^2 /NDF: 4.6/16

Right Out: 19.541 $\pm$ 71.866 χ^2 /NDF: 4.7/18

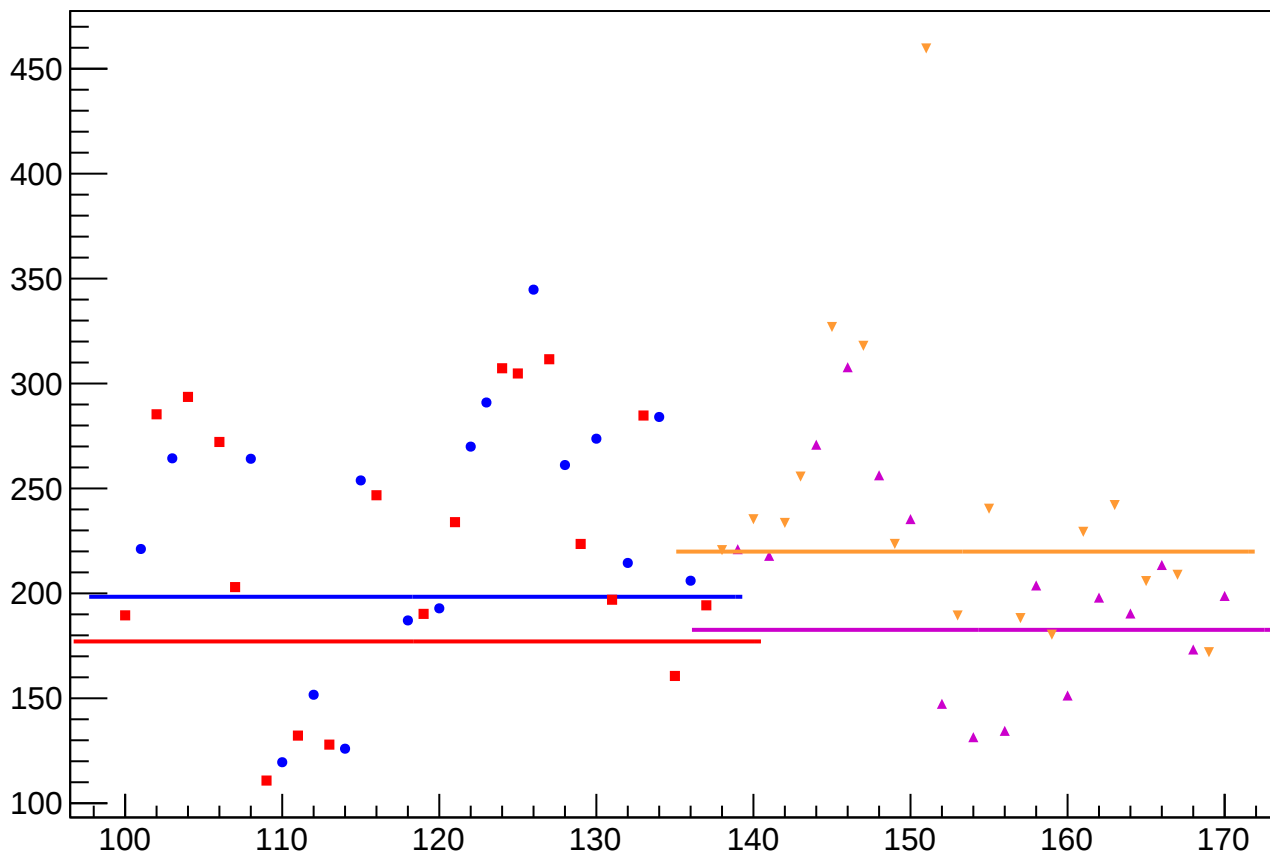
Left In: -55.288 $\pm$ 54.575 χ^2 /NDF: 5.6/15

+ sign 32.161 $\pm$ 50.181 χ^2 /NDF: 11.8/33

All: -2.166 $\pm$ 32.853 χ^2 /NDF: 23.6/68

- sign -27.918 $\pm$ 43.463 χ^2 /NDF: 11.0/34

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378+/-0.057 χ^2/NDF : 963672.6/16

Left Out: 219.909+/-0.045 χ^2/NDF : 1071227.6/16

Right Out: 177.096+/-0.051 χ^2/NDF : 1524763.6/18

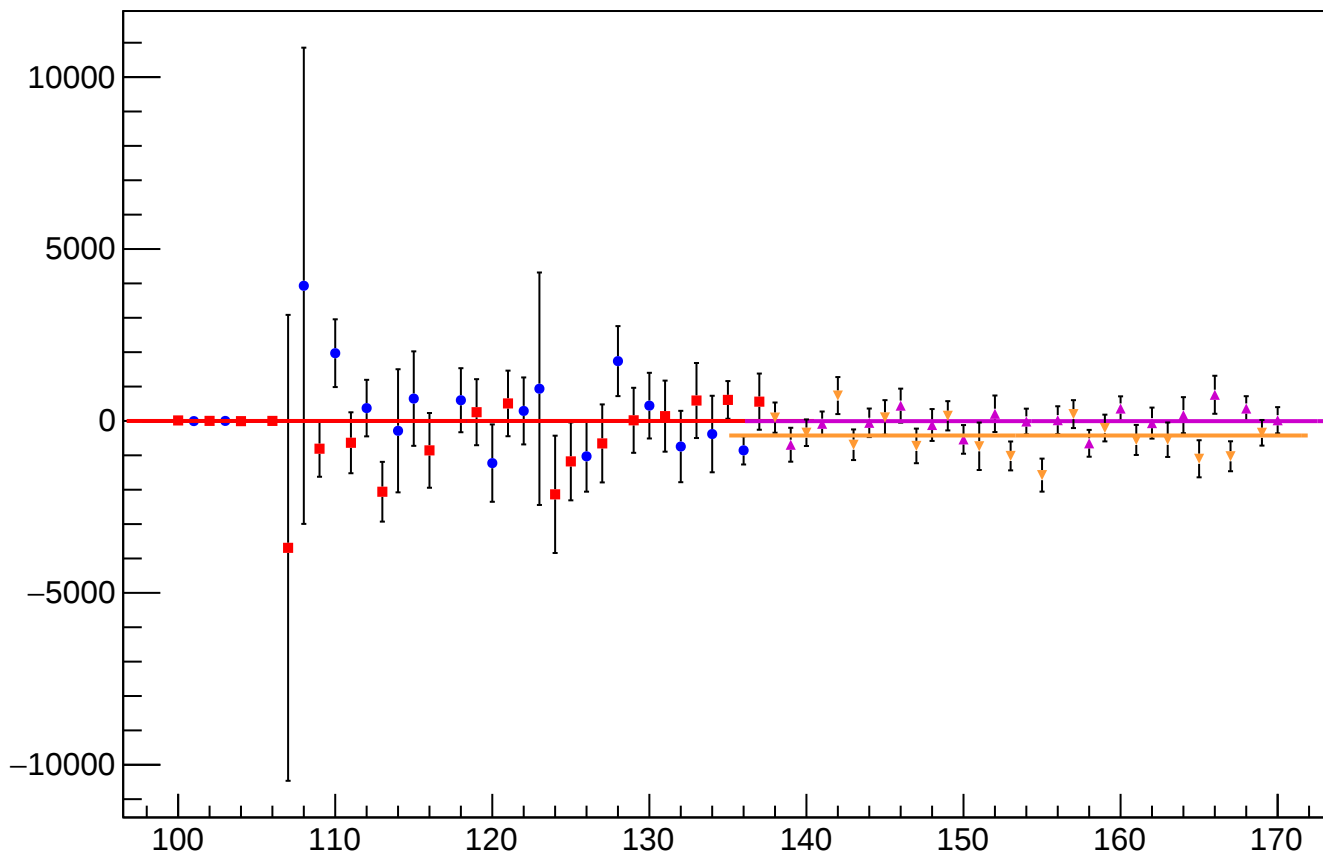
Left In: 182.623+/-0.039 χ^2/NDF : 1362626.5/15

+ sign 211.606+/-0.035 χ^2/NDF : 2122133.1/33

All: 193.891+/-0.023 χ^2/NDF : 5453277.0/68

- sign 180.601+/-0.031 χ^2/NDF : 2894892.1/34

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -423.205 ± 109.318 χ^2/NDF : 24.0/16

Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

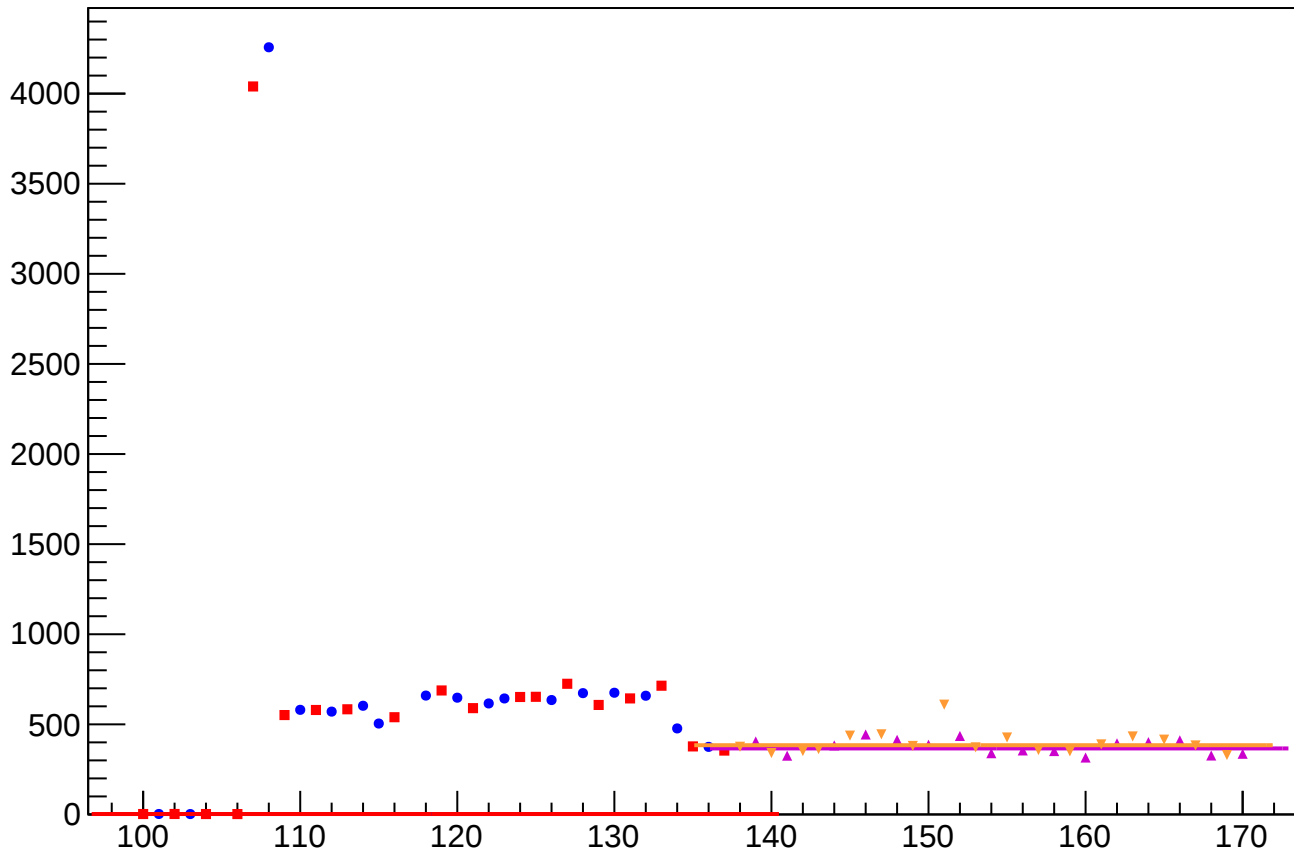
Left In: -5.676 ± 105.322 χ^2/NDF : 11.6/15

+ sign -1.708 ± 2.251 χ^2/NDF : 55.9/33

All: -1.187 ± 1.540 χ^2/NDF : 86.9/68

- sign -0.729 ± 2.111 χ^2/NDF : 30.9/34

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 384.237+/-0.077 χ^2/NDF : 411862.2/16

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

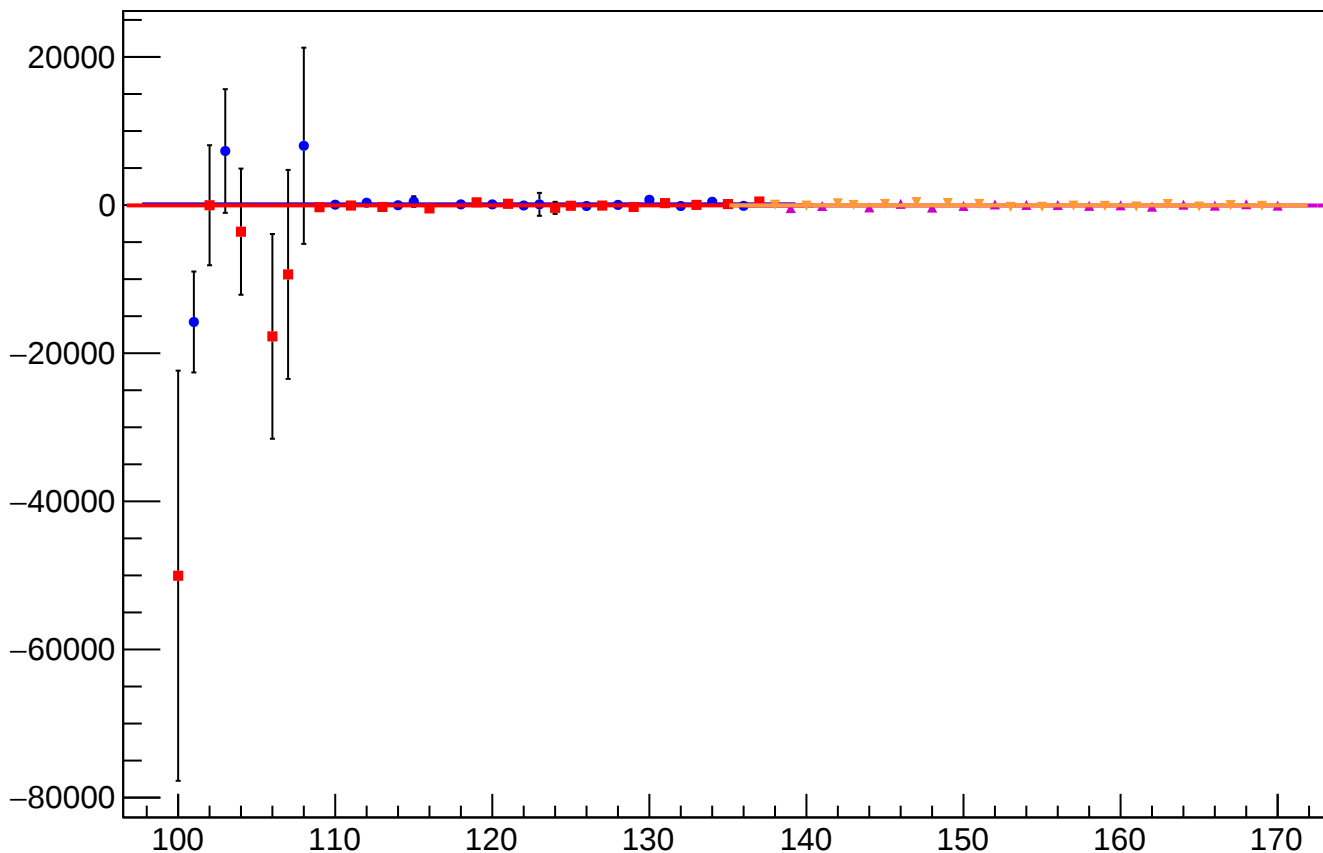
Left In: 366.347+/-0.074 χ^2/NDF : 270836.7/15

+ sign 2.619+/-0.002 χ^2/NDF : 35642804.2/33

All: 2.600+/-0.001 χ^2/NDF : 70928501.8/68

- sign 2.583+/-0.001 χ^2/NDF : 35285430.9/34

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: -34.316+/-66.587 χ^2/NDF : 6.1/16

Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

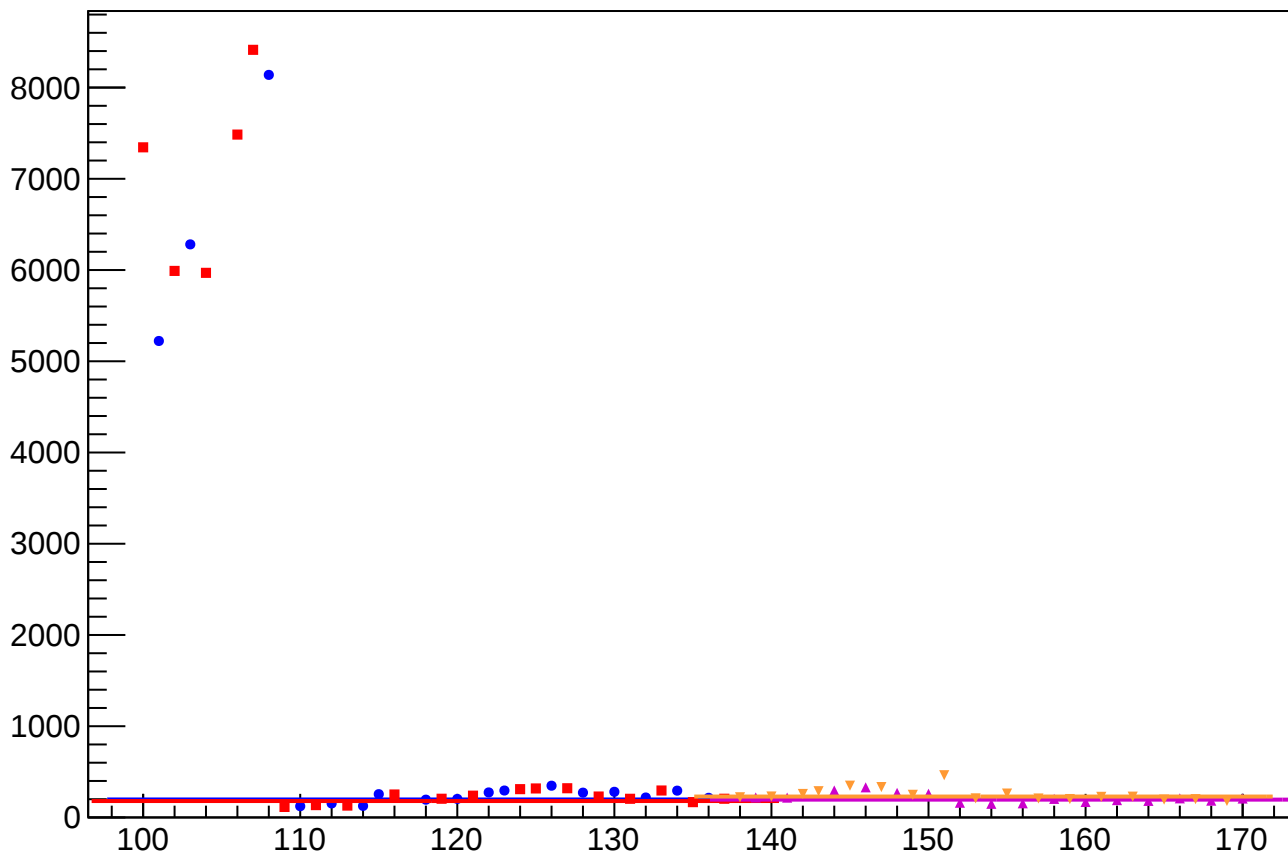
Left In: -56.796+/-57.911 χ^2/NDF : 6.0/15

+ sign 12.141+/-53.708 χ^2/NDF : 19.3/33

All: -23.763+/-35.693 χ^2/NDF : 40.0/68

- sign -52.164+/-47.768 χ^2/NDF : 19.9/34

asym_cav4cQ_rms vs Slug



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 229.171+/-0.047 χ^2/NDF : 1057976.5/16

Right Out: 179.949+/-0.060 χ^2/NDF : 4321173.8/18

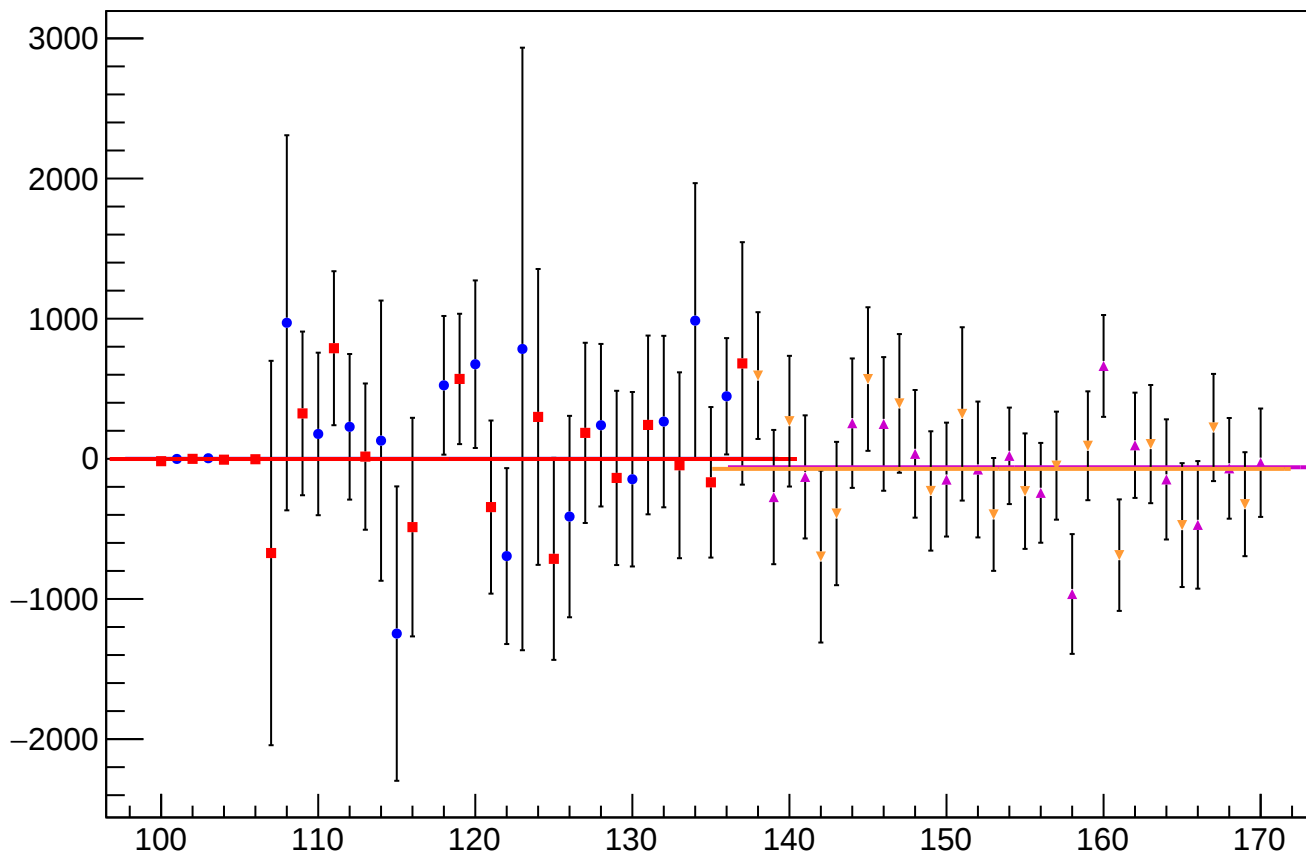
Left In: 195.355+/-0.041 χ^2/NDF : 1074293.6/15

+ sign 217.960+/-0.038 χ^2/NDF : 4913844.7/33

All: 202.590+/-0.025 χ^2/NDF : 10647904.5/68

- sign 190.432+/-0.034 χ^2/NDF : 5440705.2/34

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: -71.808 ± 106.253 χ^2/NDF : 12.6/16

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

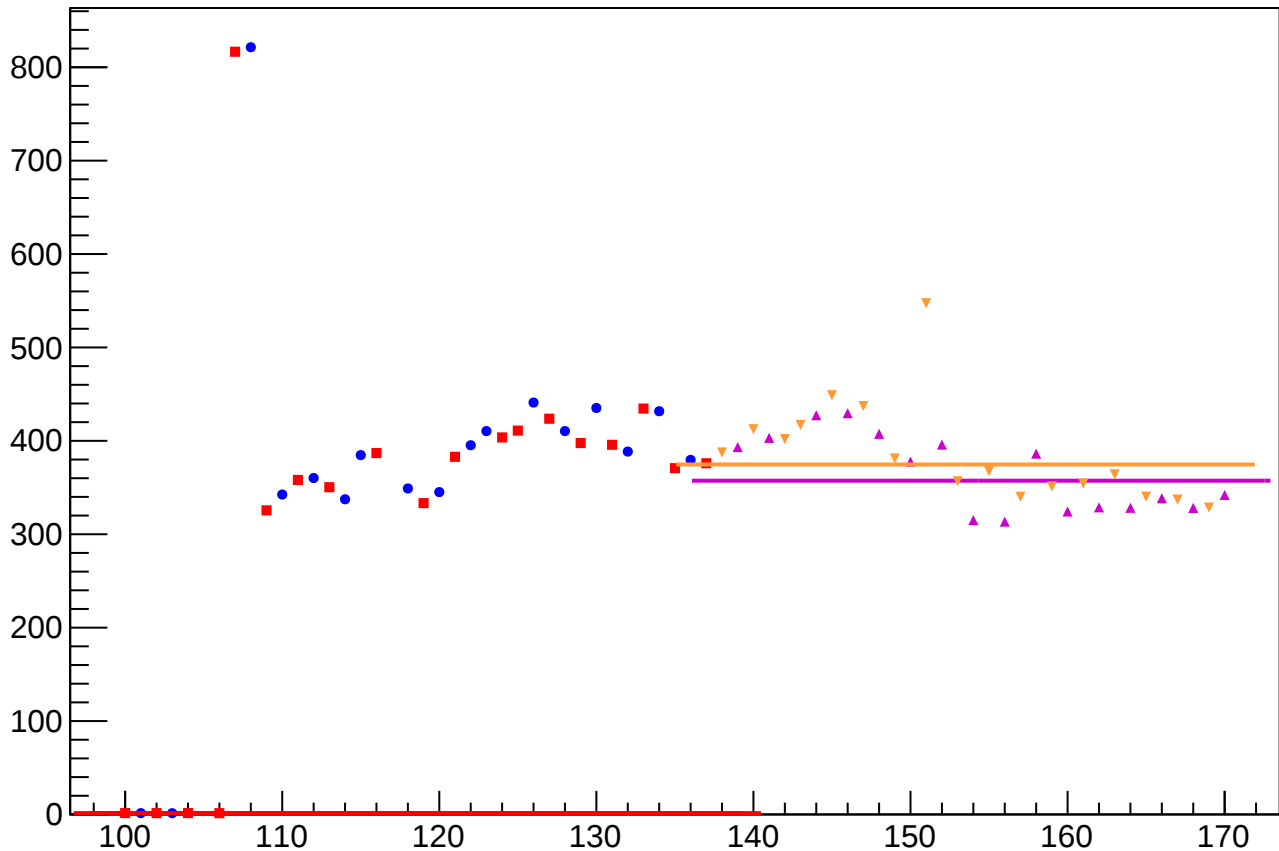
Left In: -60.238 ± 102.639 χ^2/NDF : 11.0/15

+ sign -0.157 ± 1.736 χ^2/NDF : 22.8/33

All: -0.788 ± 1.185 χ^2/NDF : 43.9/68

- sign -1.338 ± 1.622 χ^2/NDF : 20.9/34

asym_cav4dQ_rms vs Slug



Right In: 1.453 $\pm$ 0.001 χ^2 /NDF: 10957986.8/16

Left Out: 374.680 $\pm$ 0.075 χ^2 /NDF:359220.0/16

Right Out: 1.451 $\pm$ 0.001 χ^2 /NDF: 10880737.7/18

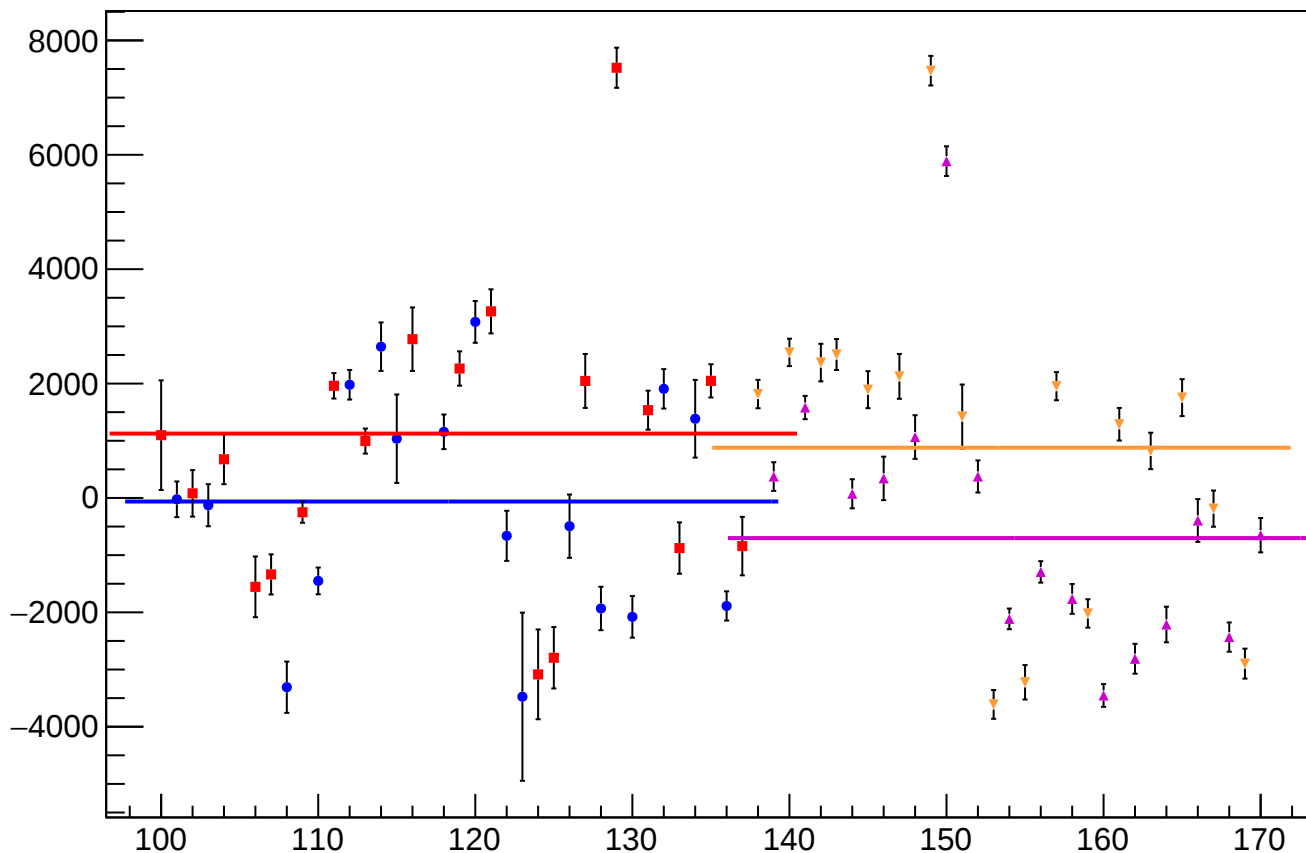
Left In: 357.334 $\pm$ 0.073 χ^2 /NDF:293454.8/15

+ sign 1.552 $\pm$ 0.001 χ^2 /NDF: 35987881.3/33

All: 1.546 $\pm$ 0.001 χ^2 /NDF: 71201050.0/68

- sign 1.540 $\pm$ 0.001 χ^2 /NDF: 35213113.1/34

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 879.029 ± 69.561 χ^2/NDF : 1677.5/16

Right Out: 1125.437 ± 78.370 χ^2/NDF : 671.2/18

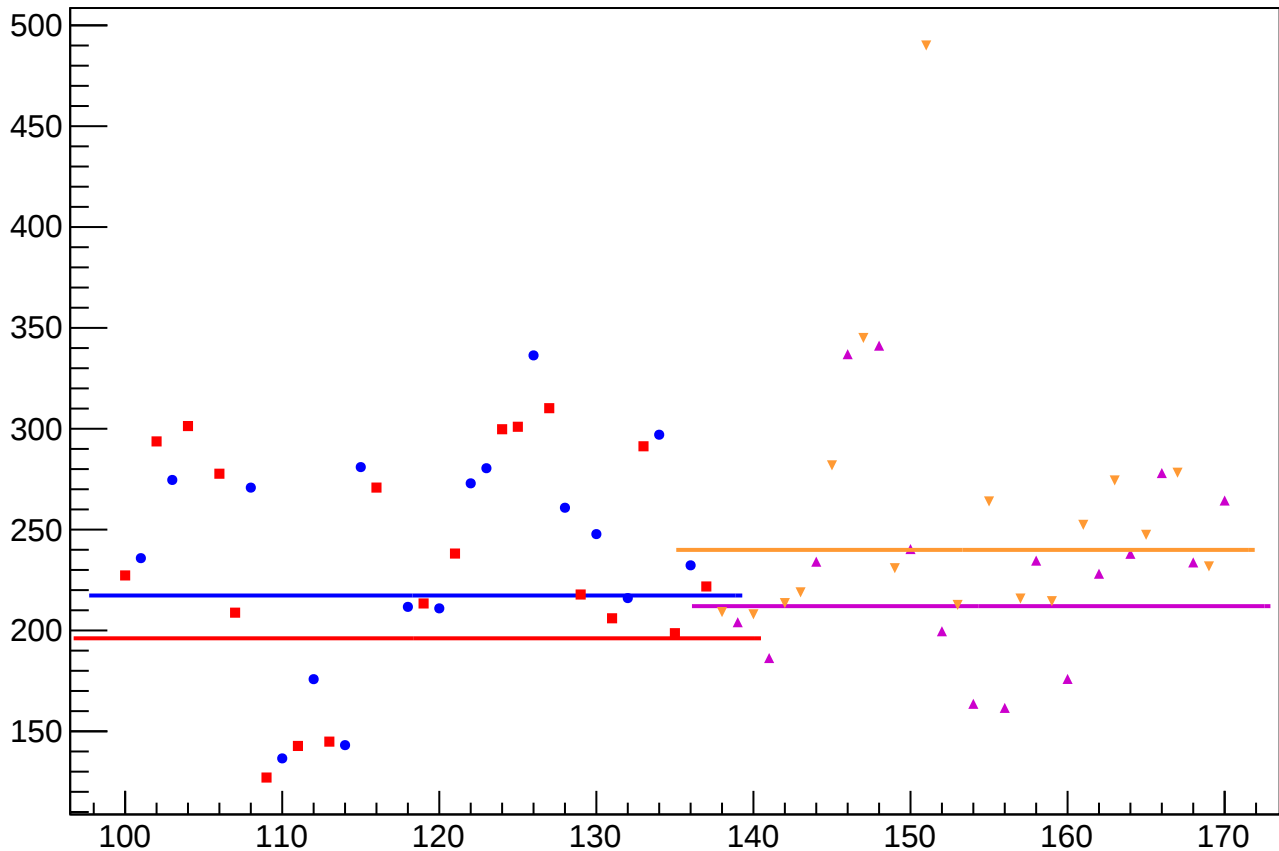
Left In: -701.661 ± 62.716 χ^2/NDF : 1255.6/15

+ sign 514.157 ± 54.433 χ^2/NDF : 2182.4/33

All: 236.404 ± 36.404 χ^2/NDF : 4487.7/68

- sign 11.633 ± 48.967 χ^2/NDF : 2258.1/34

asym_bcm0l02_rms vs Slug



Right In: 217.330 ± 0.062 χ^2/NDF : 652722.5/16

Left Out: 239.942 ± 0.049 χ^2/NDF : 804125.8/16

Right Out: 196.105 ± 0.055 χ^2/NDF : 1190733.6/18

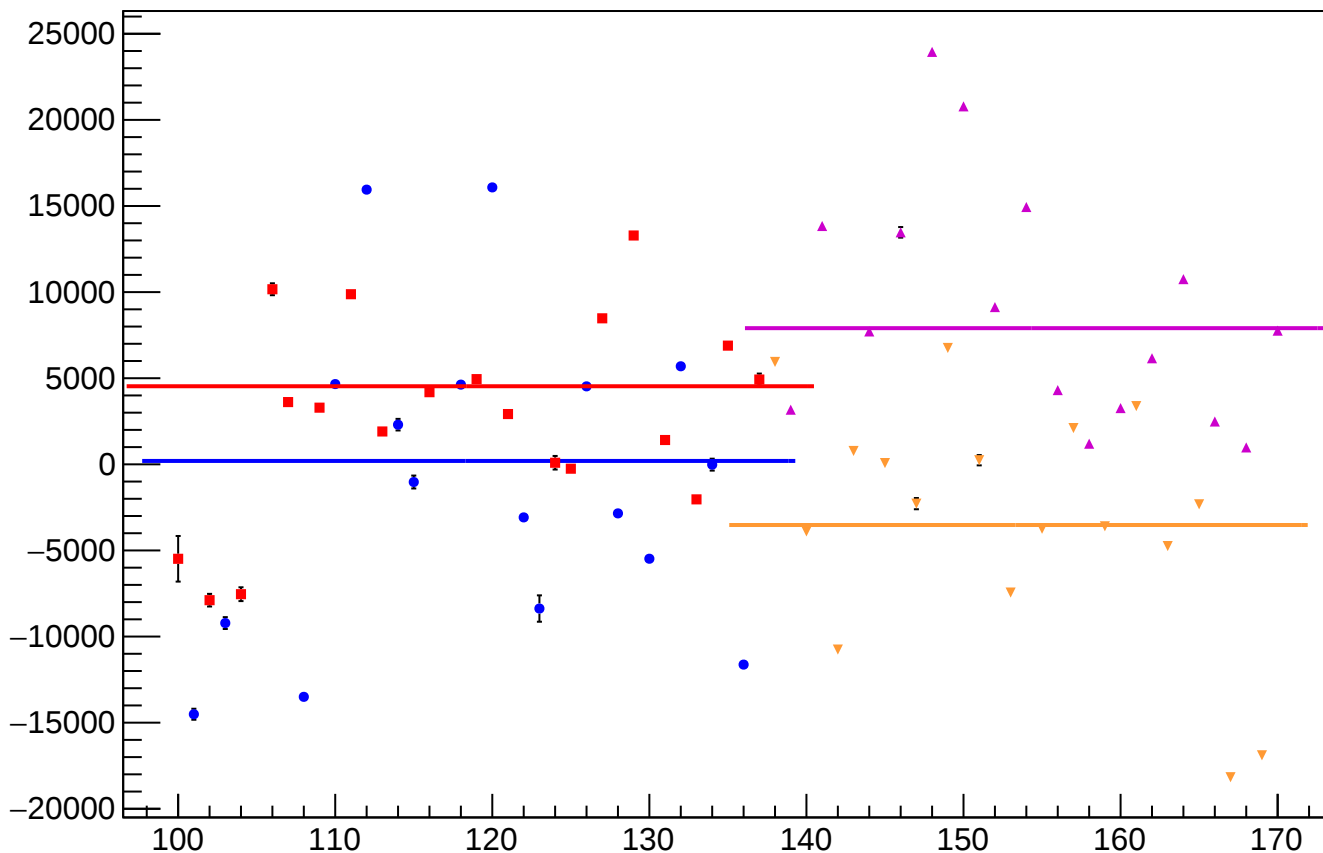
Left In: 212.055 ± 0.044 χ^2/NDF : 1049597.1/15

+ sign 231.176 ± 0.038 χ^2/NDF : 1538779.1/33

All: 217.166 ± 0.026 χ^2/NDF : 4069326.3/68

- sign 205.828 ± 0.035 χ^2/NDF : 2290827.6/34

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 $\pm$ 54.799 χ^2 /NDF: 30658.3/16

Left Out: -3522.852 $\pm$ 48.596 χ^2 /NDF:19801.7/16

Right Out: 4534.200 $\pm$ 52.462 χ^2 /NDF: 7477.2/18

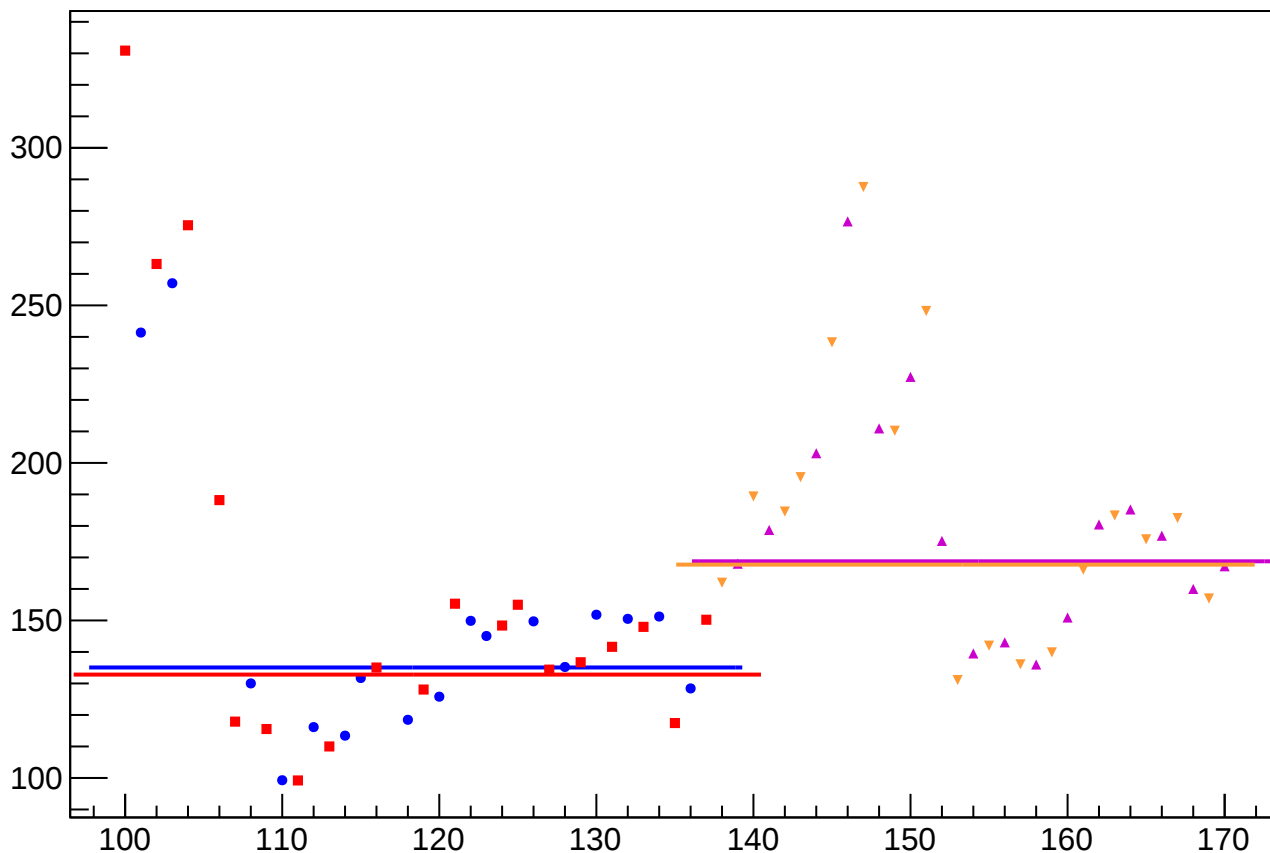
Left In: 7906.804 $\pm$ 49.419 χ^2 /NDF:16463.0/15

+ sign -1885.269 $\pm$ 36.359 χ^2 /NDF: 53039.4/33

All: 2261.793 $\pm$ 25.572 χ^2 /NDF: 104913.6/68

- sign 6321.138 $\pm$ 35.972 χ^2 /NDF: 26130.0/34

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 167.721+/-0.034 χ^2/NDF : 1020776.9/16

Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

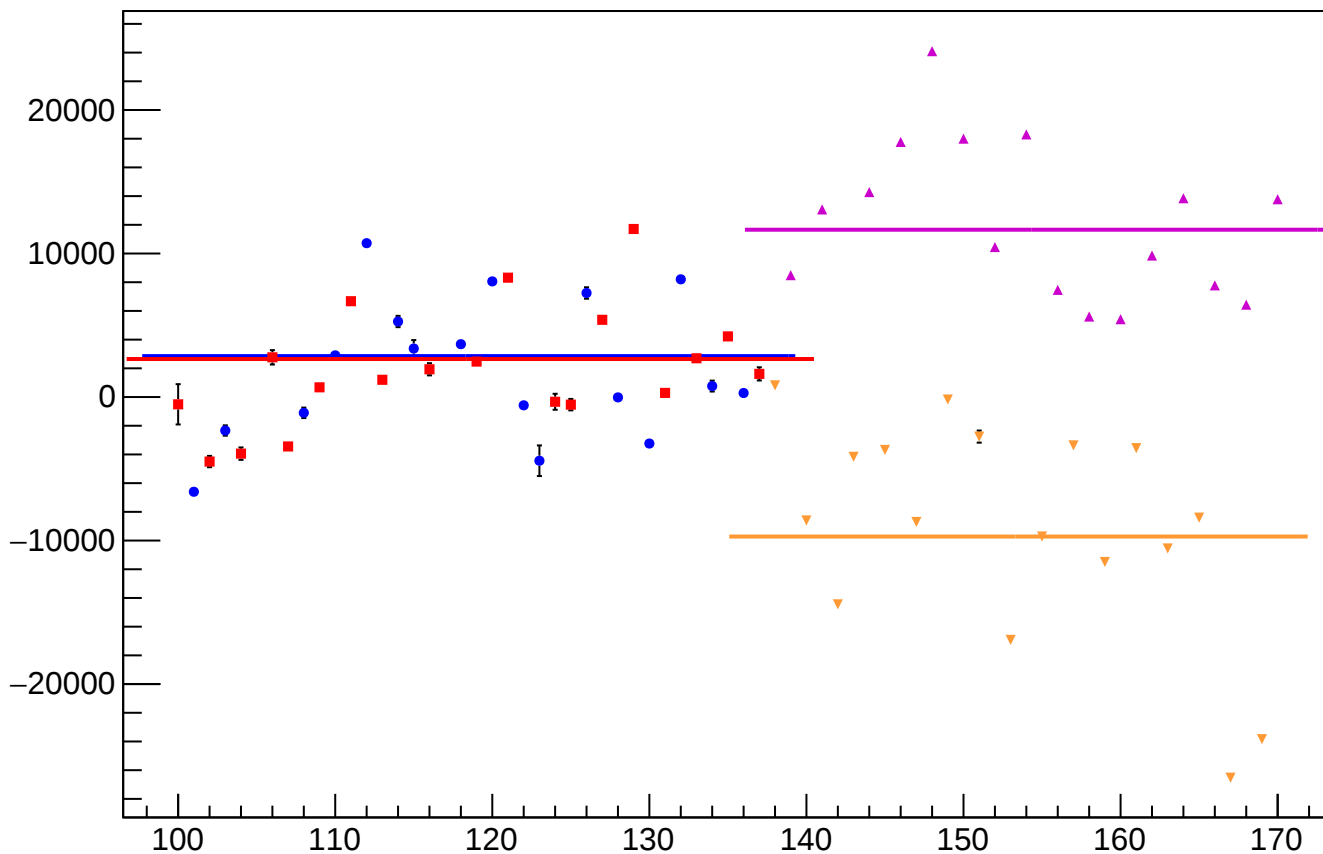
Left In: 168.771+/-0.035 χ^2/NDF : 736859.9/15

+ sign 153.348+/-0.026 χ^2/NDF : 2076892.5/33

All: 152.599+/-0.018 χ^2/NDF : 4144359.8/68

- sign 151.866+/-0.025 χ^2/NDF : 2065789.6/34

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -9720.201+/-55.084 χ^2/NDF : 20854.8/16

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

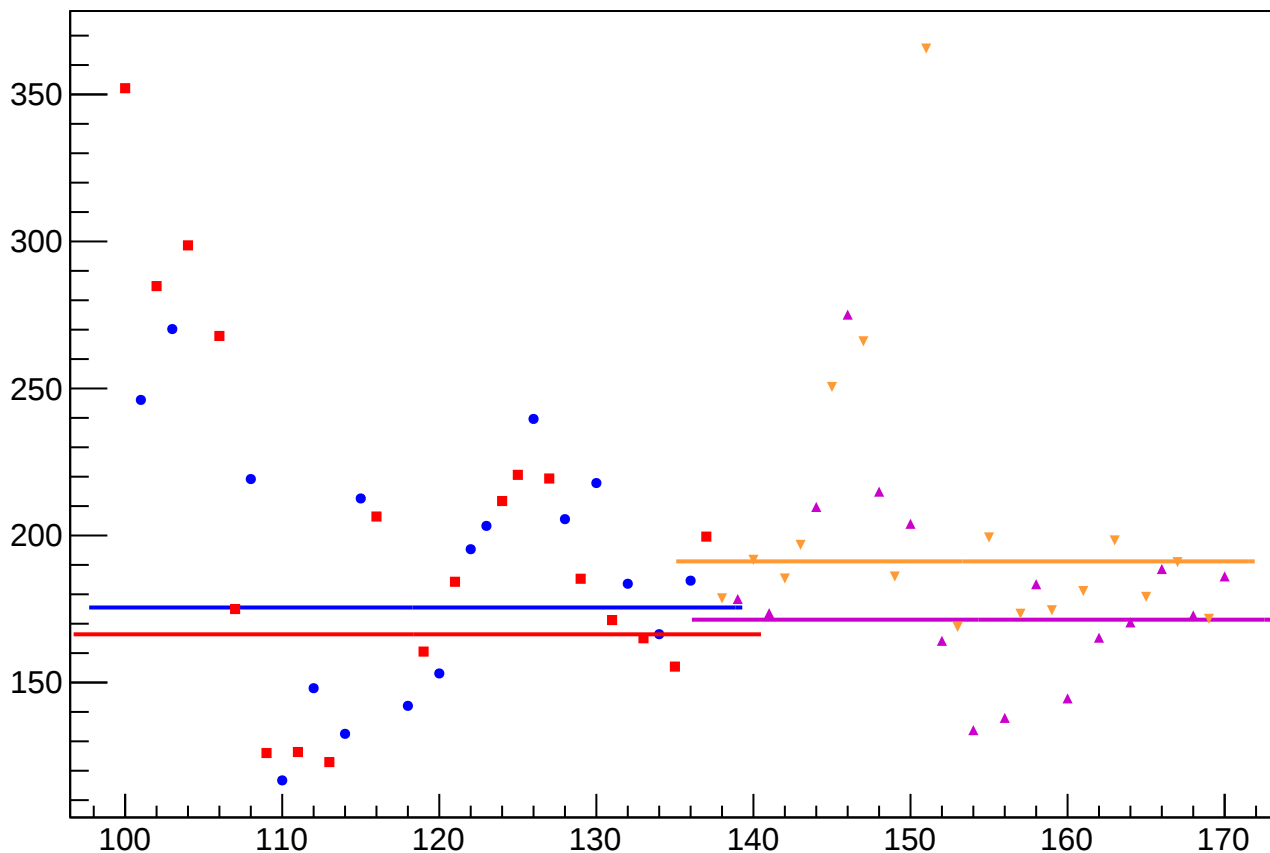
Left In: 11659.292+/-50.229 χ^2/NDF : 10588.8/15

+ sign -4975.923+/-43.465 χ^2/NDF : 44689.7/33

All: 2247.401+/-29.397 χ^2/NDF : 121221.8/60

- sign 8337.592+/-39.910 χ^2/NDF : 25627.3/34

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 191.200+/-0.039 χ^2/NDF : 650099.6/16

Right Out: 166.393+/-0.046 χ^2/NDF : 929534.5/18

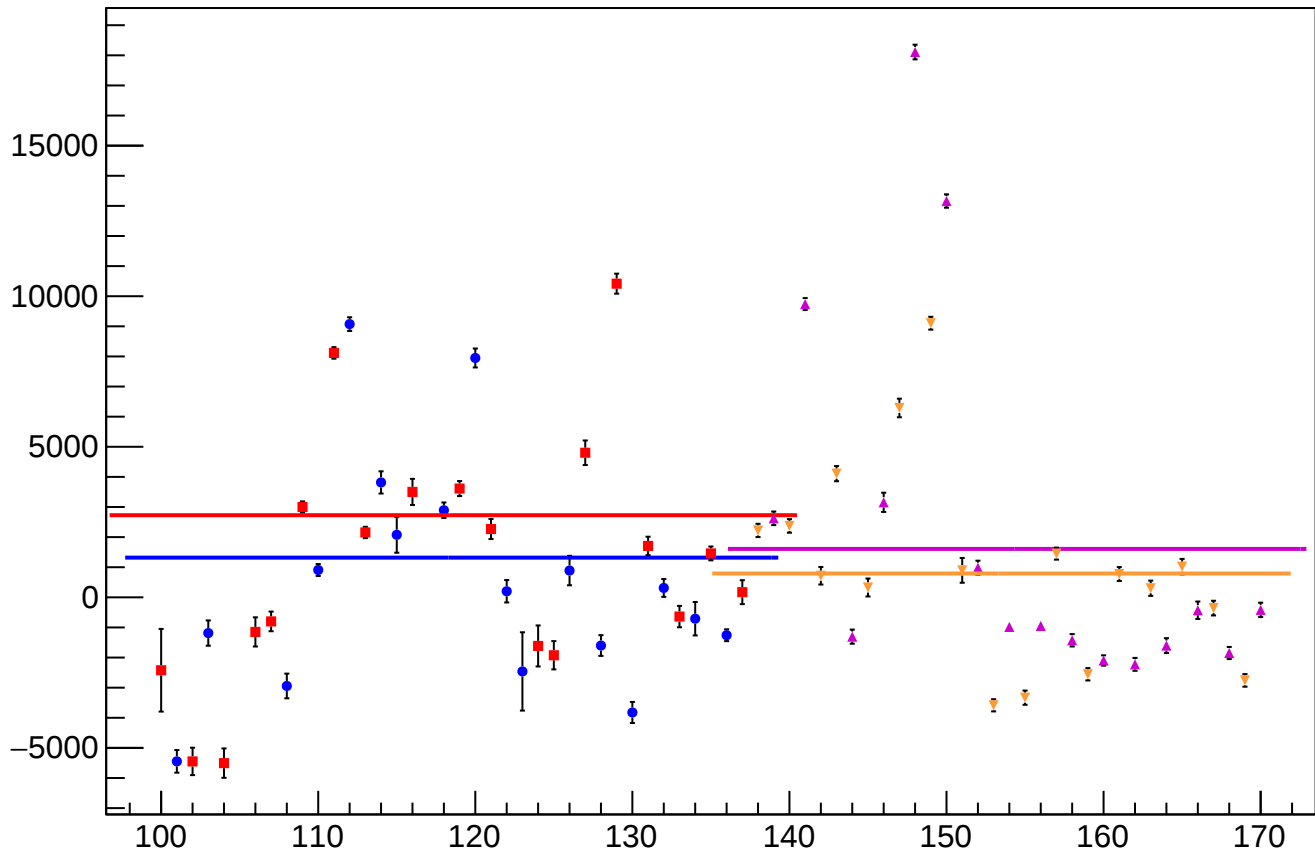
Left In: 171.369+/-0.036 χ^2/NDF : 696910.5/15

+ sign 185.281+/-0.031 χ^2/NDF : 1400945.6/33

All: 176.738+/-0.021 χ^2/NDF : 3177037.2/68

- sign 169.535+/-0.028 χ^2/NDF : 1633682.7/34

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 $\pm$ 77.146 χ^2 /NDF: 2667.0/16

Left Out: 791.421 $\pm$ 58.011 χ^2 /NDF:3465.2/16

Right Out: 2727.798 $\pm$ 70.029 χ^2 /NDF: 2495.9/18

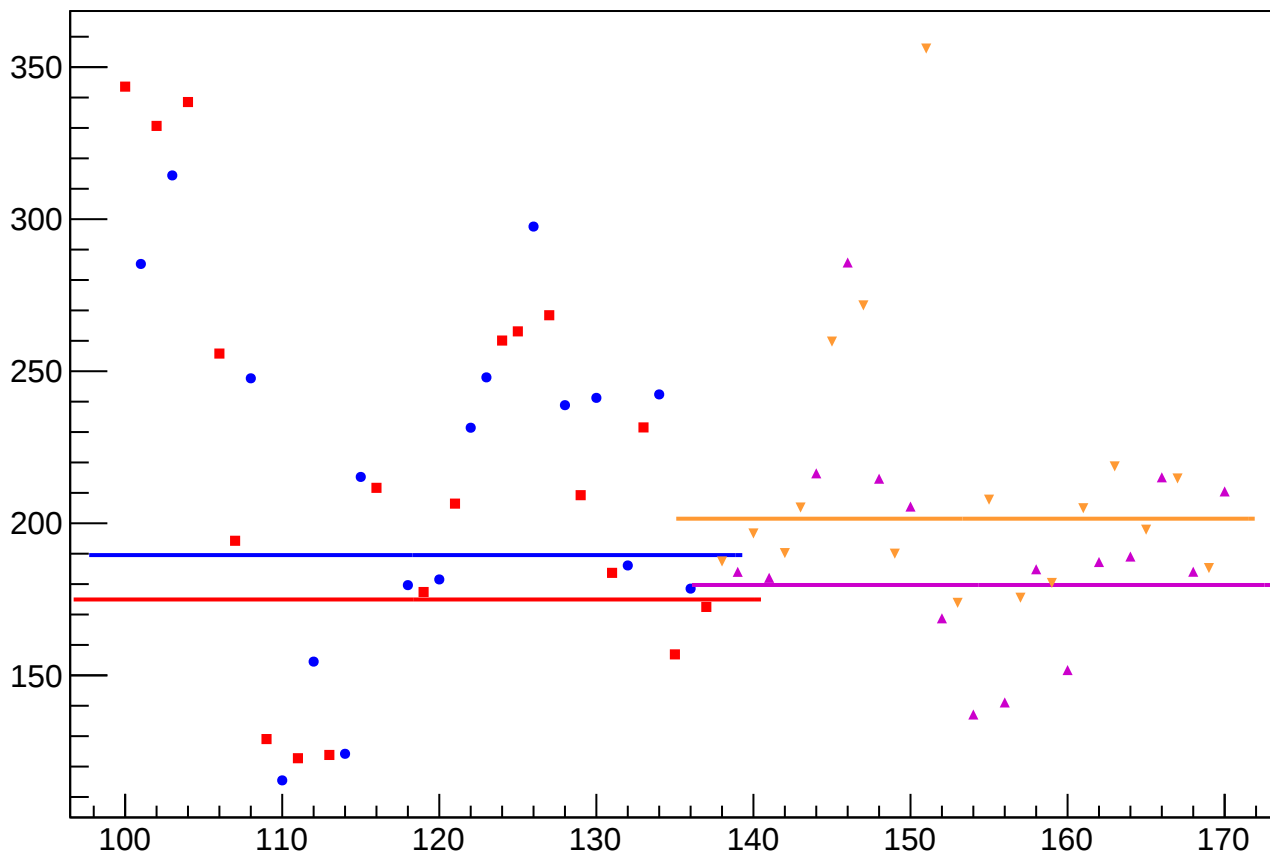
Left In: 1608.050 $\pm$ 52.747 χ^2 /NDF:11286.8/15

+ sign 981.990 $\pm$ 46.365 χ^2 /NDF: 6162.1/33

All: 1546.892 $\pm$ 31.181 χ^2 /NDF: 20379.0/68

- sign 2013.368 $\pm$ 42.133 χ^2 /NDF: 13945.9/34

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 201.512 $\pm$ 0.041 χ^2 /NDF: 600944.7/16

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

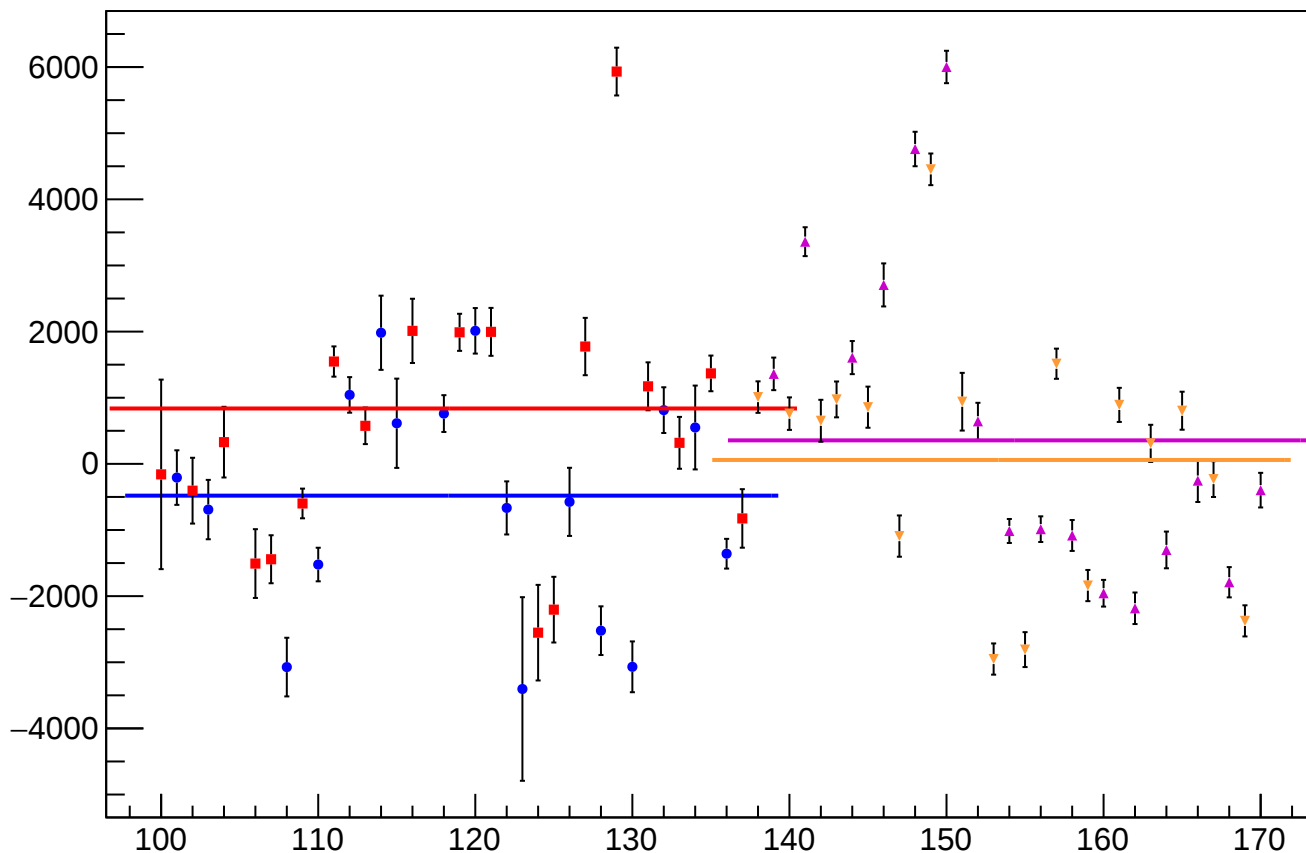
Left In: 179.714 $\pm$ 0.037 χ^2 /NDF: 737321.8/15

+ sign 197.189 $\pm$ 0.033 χ^2 /NDF: 1612432.8/33

All: 186.672 $\pm$ 0.022 χ^2 /NDF: 3840669.1/68

- sign 177.987 $\pm$ 0.030 χ^2 /NDF: 2040348.9/34

asym_bpm0i07WS_mean vs Slug



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 59.010+/-64.268 χ^2/NDF : 912.7/16

Right Out: 837.442+/-82.243 χ^2/NDF : 435.3/18

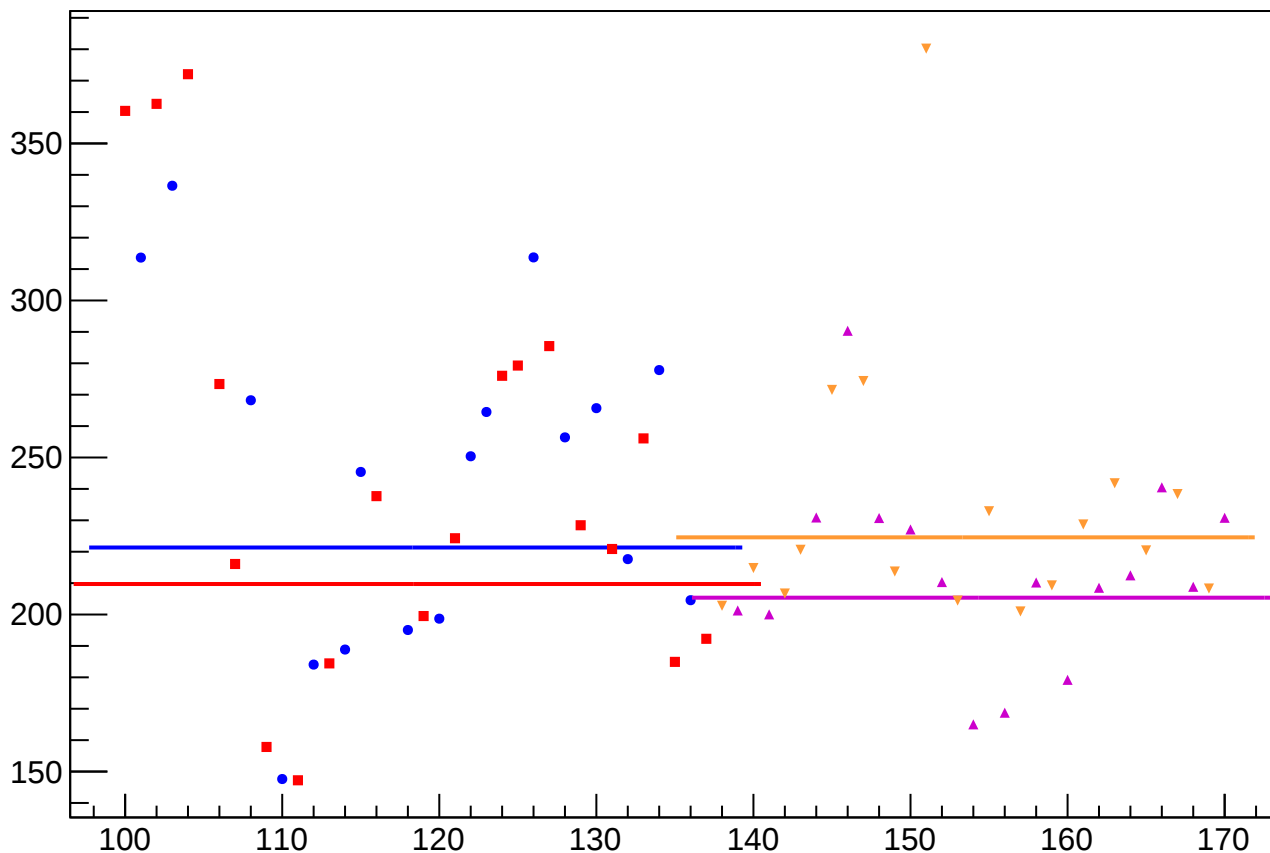
Left In: 355.426+/-59.689 χ^2/NDF : 1623.9/15

+ sign -126.909+/-52.031 χ^2/NDF : 1227.6/33

All: 221.446+/-35.402 χ^2/NDF : 3392.8/68

- sign 521.725+/-48.307 χ^2/NDF : 2081.7/34

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 224.576 $\pm$ 0.045 χ^2 /NDF: 451291.9/16

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

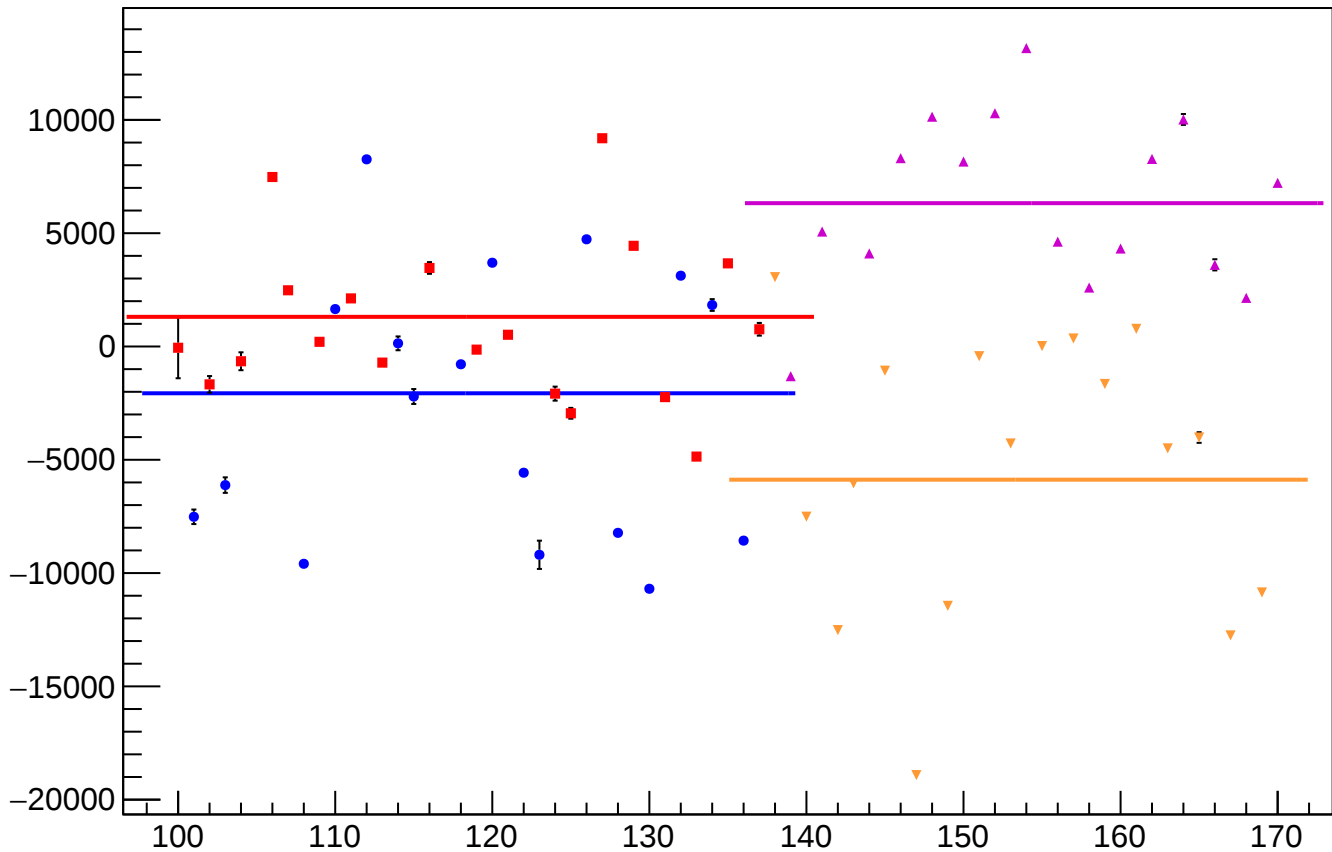
Left In: 205.363 $\pm$ 0.042 χ^2 /NDF: 443560.5/15

+ sign 223.462 $\pm$ 0.037 χ^2 /NDF: 1098724.4/33

All: 214.548 $\pm$ 0.025 χ^2 /NDF: 2539159.2/68

- sign 206.865 $\pm$ 0.034 χ^2 /NDF: 1331149.0/34

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 $\pm$ 47.322 χ^2 /NDF: 16533.3/16

Left Out: -5878.738 $\pm$ 36.689 χ^2 /NDF:30027.5/16

Right Out: 1308.512 $\pm$ 45.001 χ^2 /NDF: 5894.4/18

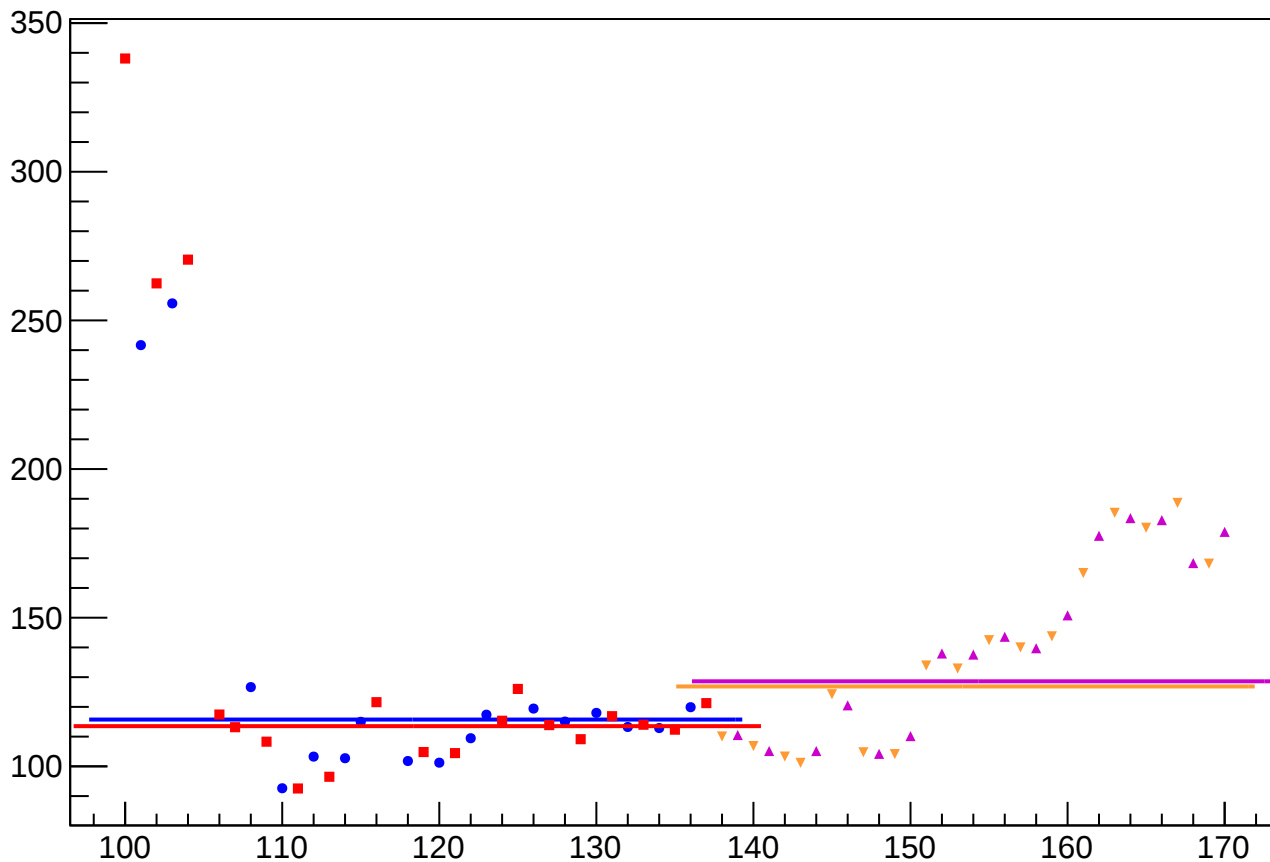
Left In: 6325.366 $\pm$ 37.434 χ^2 /NDF:9649.1/15

+ sign -4447.029 $\pm$ 28.995 χ^2 /NDF: 50617.0/33

All: -54.036 $\pm$ 20.426 χ^2 /NDF: 119073.9/68

- sign 4273.602 $\pm$ 28.779 χ^2 /NDF: 22889.1/34

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 $\pm$ 0.033 χ^2 /NDF: 744017.7/16

Left Out: 126.871 $\pm$ 0.026 χ^2 /NDF:1015591.8/16

Right Out: 113.519 $\pm$ 0.032 χ^2 /NDF: 796640.6/18

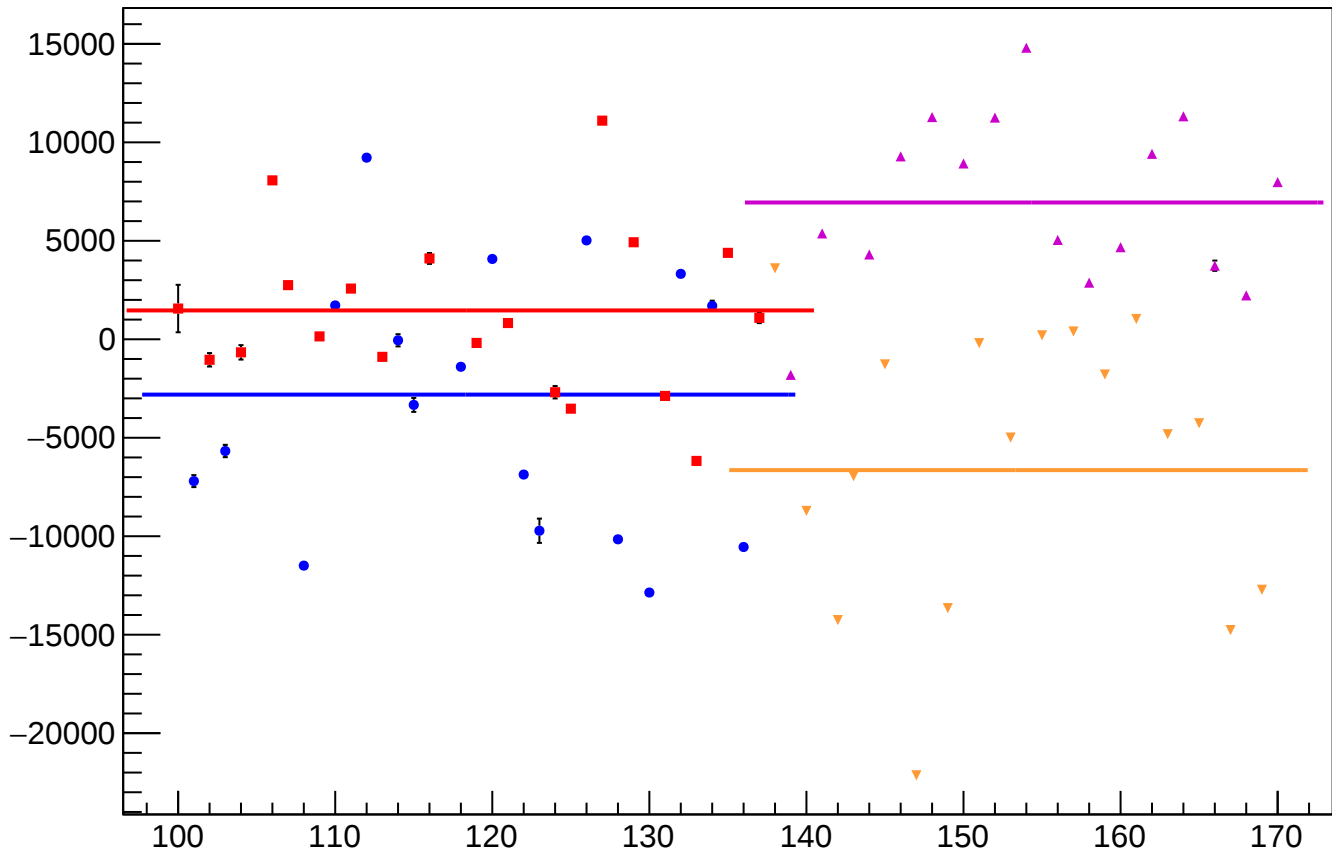
Left In: 128.604 $\pm$ 0.026 χ^2 /NDF:950273.2/15

+ sign 122.693 $\pm$ 0.021 χ^2 /NDF: 1828721.0/33

All: 122.563 $\pm$ 0.014 χ^2 /NDF: 3708547.1/68

- sign 122.435 $\pm$ 0.020 χ^2 /NDF: 1879746.6/34

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 χ^2/NDF : 21263.1/16

Left Out: -6644.032 ± 38.951 χ^2/NDF : 36370.7/16

Right Out: 1465.074 ± 46.394 χ^2/NDF : 8004.7/18

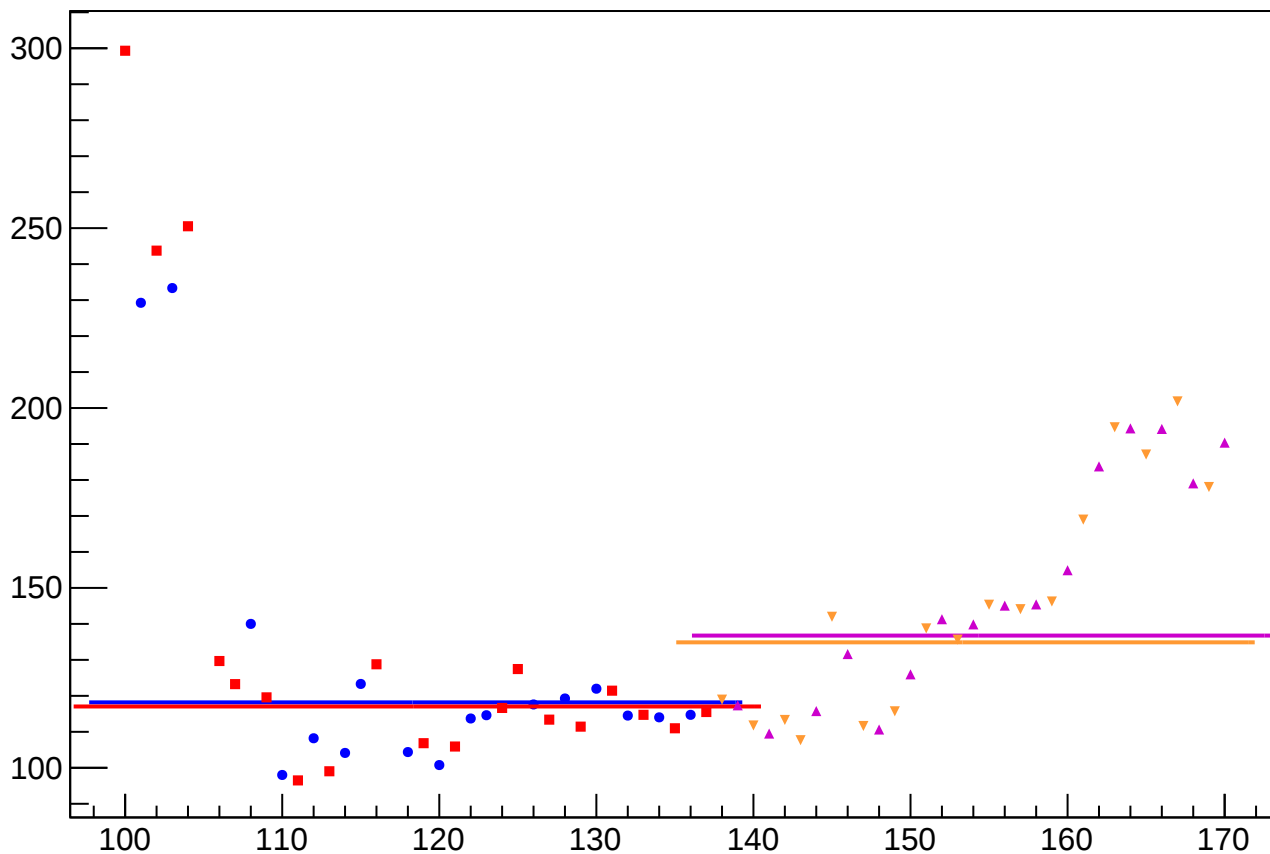
Left In: 6945.493 ± 39.759 χ^2/NDF : 11373.1/15

+ sign -5132.207 ± 30.317 χ^2/NDF : 61455.1/33

All: -233.253 ± 21.392 χ^2/NDF : 140885.6/68

- sign 4624.864 ± 30.190 χ^2/NDF : 27423.1/34

asym_bpm2i01WS_rms vs Slug



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 134.872+/-0.028 χ^2/NDF : 897615.7/16

Right Out: 117.046+/-0.033 χ^2/NDF : 690635.5/18

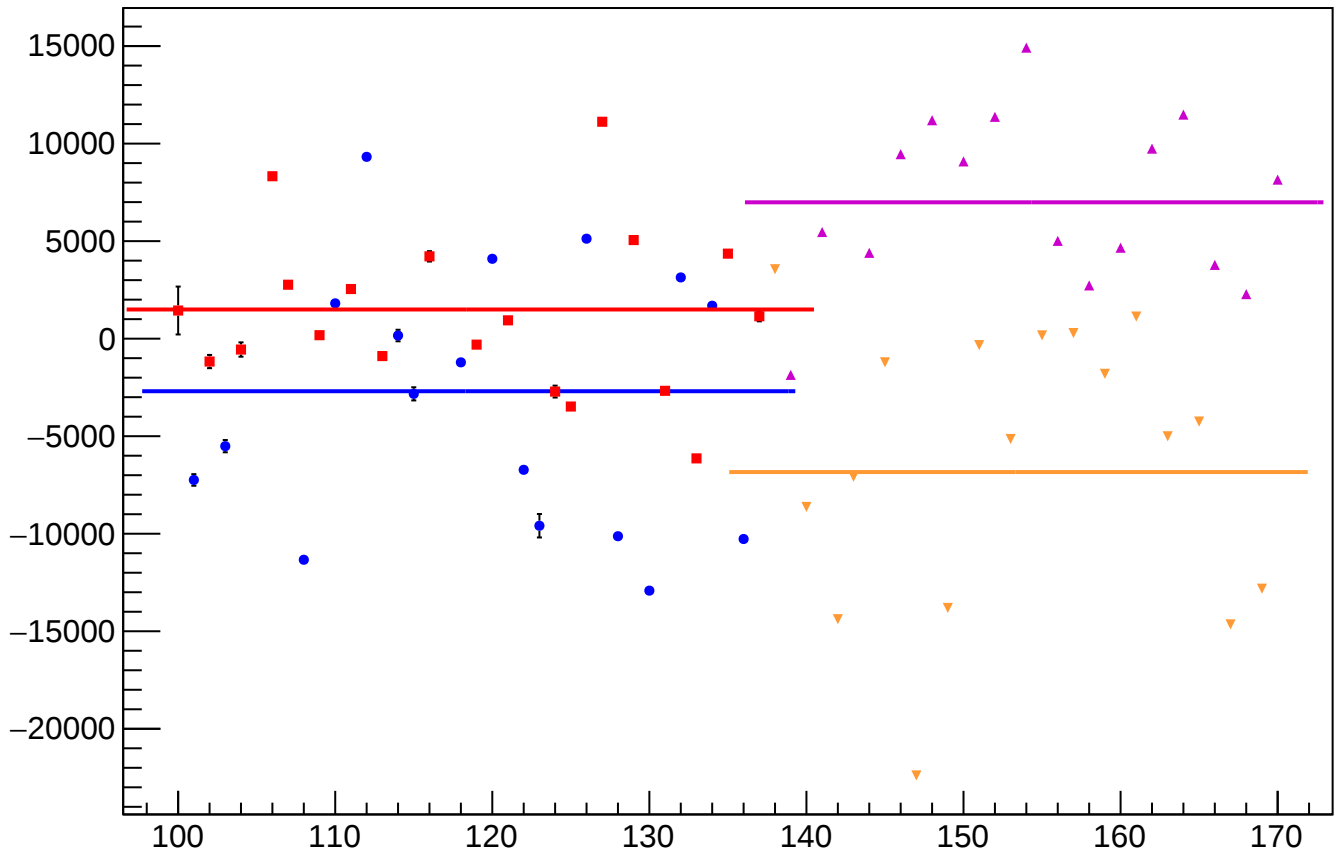
Left In: 136.752+/-0.028 χ^2/NDF : 843803.4/15

+ sign 128.295+/-0.021 χ^2/NDF : 1678519.2/33

All: 128.351+/-0.015 χ^2/NDF : 3421008.7/68

- sign 128.407+/-0.021 χ^2/NDF : 1742475.7/34

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 χ^2/NDF : 22860.3/16

Left Out: -6838.116 ± 38.025 χ^2/NDF : 39495.4/16

Right Out: 1495.744 ± 44.445 χ^2/NDF : 8717.2/18

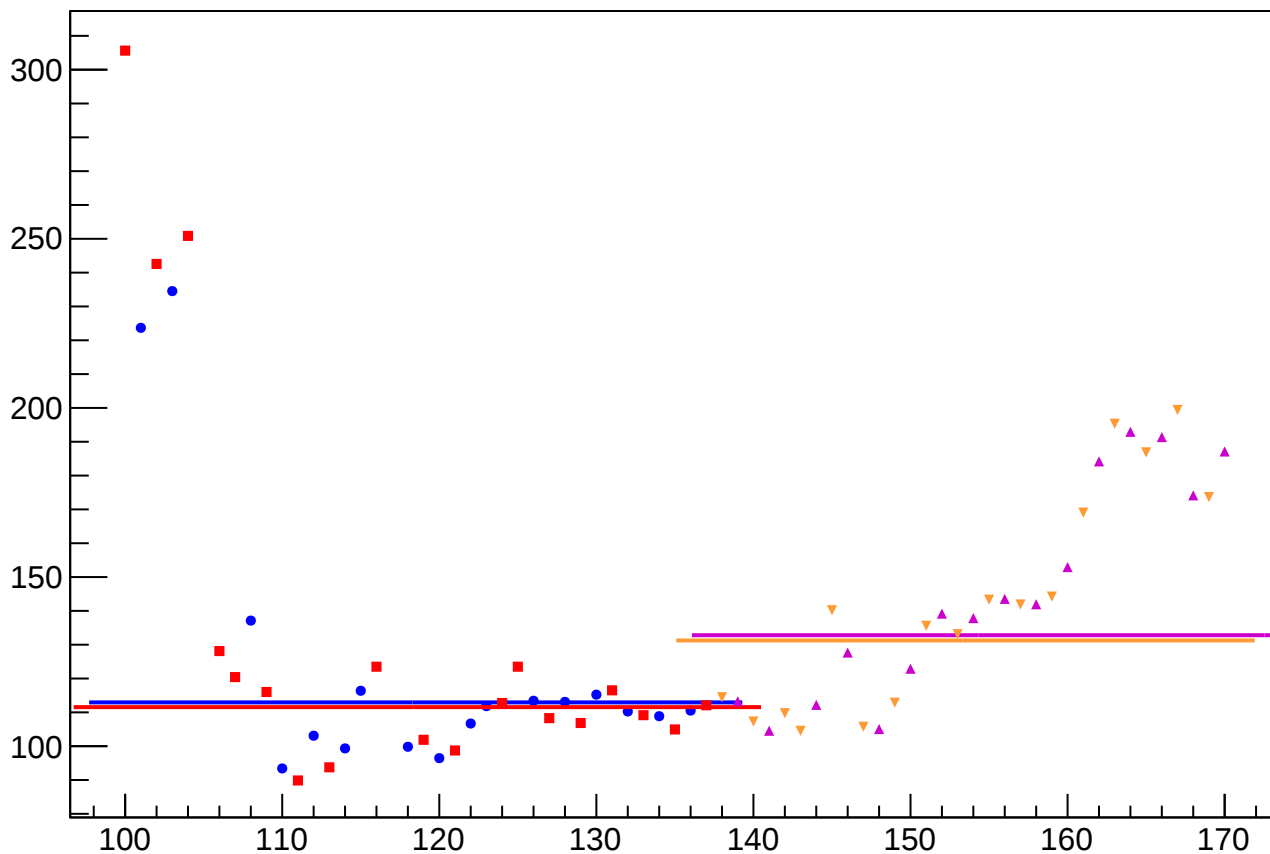
Left In: 6990.293 ± 38.733 χ^2/NDF : 12241.7/15

+ sign -5170.983 ± 29.397 χ^2/NDF : 67133.6/33

All: -243.295 ± 20.717 χ^2/NDF : 152599.4/68

- sign 4618.575 ± 29.200 χ^2/NDF : 29645.2/34

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 131.252 $\pm$ 0.027 χ^2 /NDF:1006651.1/16

Right Out: 111.544 $\pm$ 0.031 χ^2 /NDF: 765502.6/18

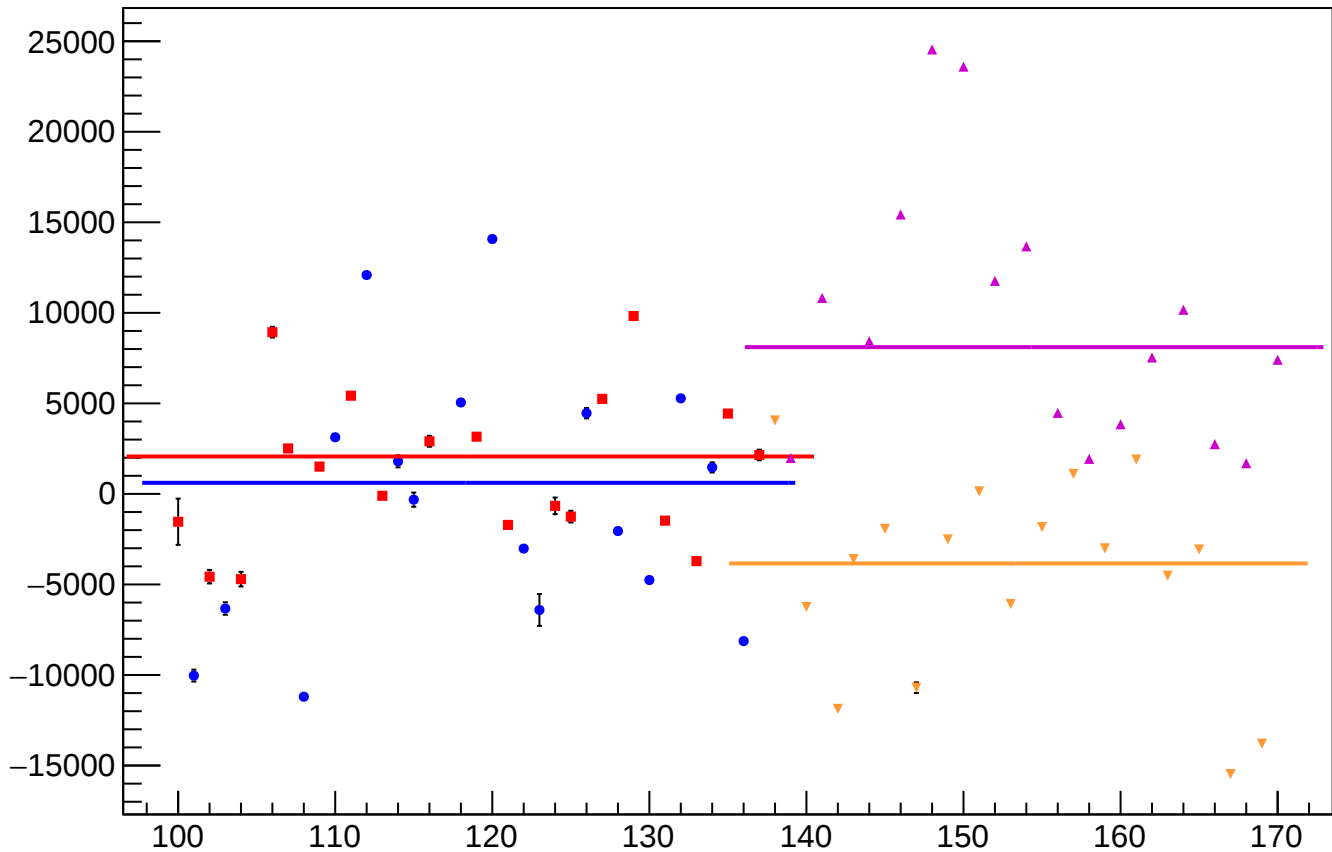
Left In: 132.806 $\pm$ 0.027 χ^2 /NDF:944499.9/15

+ sign 123.885 $\pm$ 0.021 χ^2 /NDF: 1873536.2/33

All: 123.756 $\pm$ 0.015 χ^2 /NDF: 3843782.2/68

- sign 123.628 $\pm$ 0.021 χ^2 /NDF: 1970169.2/34

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -3840.696 ± 44.898 $\chi^2/\text{NDF}: 13559.8/16$

Right Out: 2067.410 ± 53.931 $\chi^2/\text{NDF}: 4642.7/18$

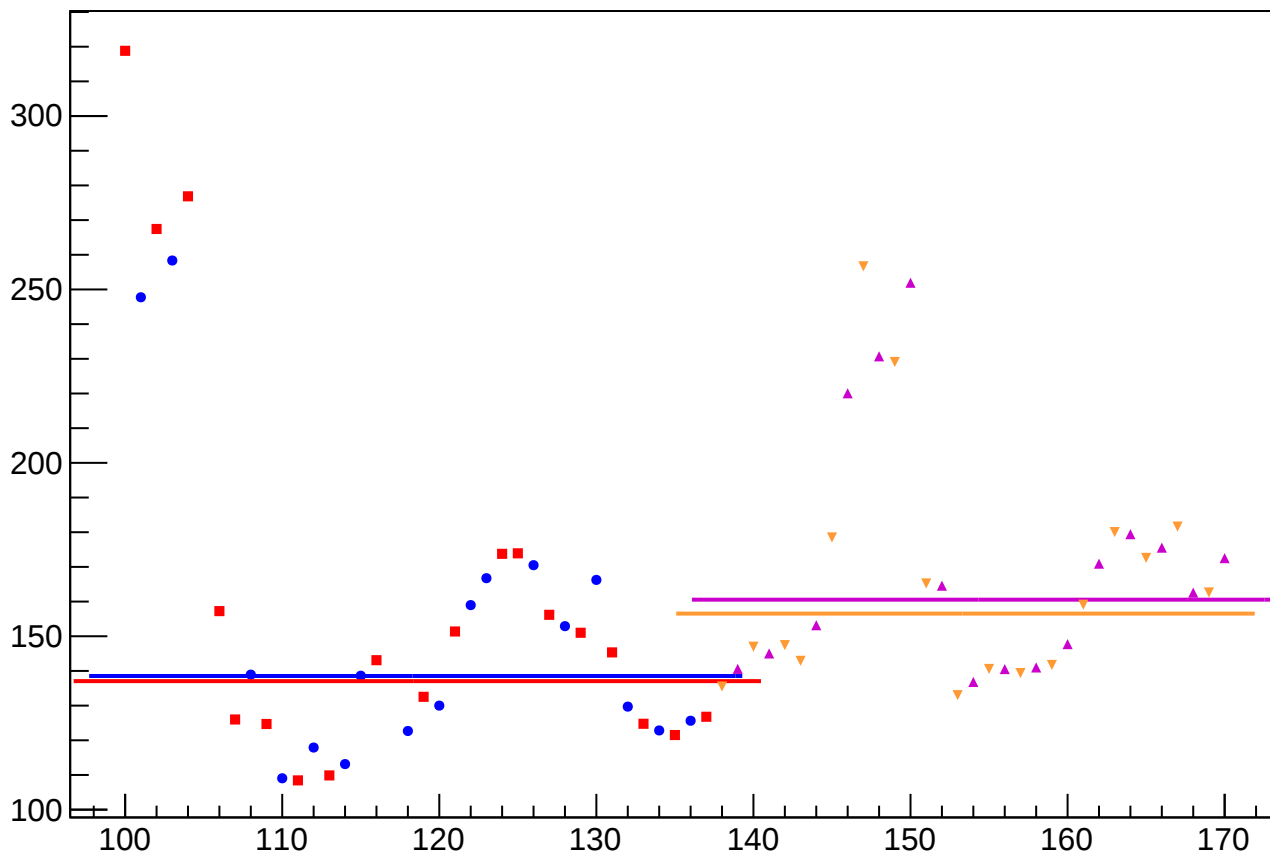
Left In: 8106.176 ± 46.527 $\chi^2/\text{NDF}: 16011.8/15$

+ sign -2100.507 ± 35.045 $\chi^2/\text{NDF}: 35647.5/33$

All: 1694.501 ± 24.845 $\chi^2/\text{NDF}: 87067.1/68$

- sign 5529.451 ± 35.229 $\chi^2/\text{NDF}: 27842.5/34$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 156.531 $\pm$ 0.032 χ^2 /NDF: 658981.2/16

Right Out: 137.061 $\pm$ 0.038 χ^2 /NDF: 755491.9/18

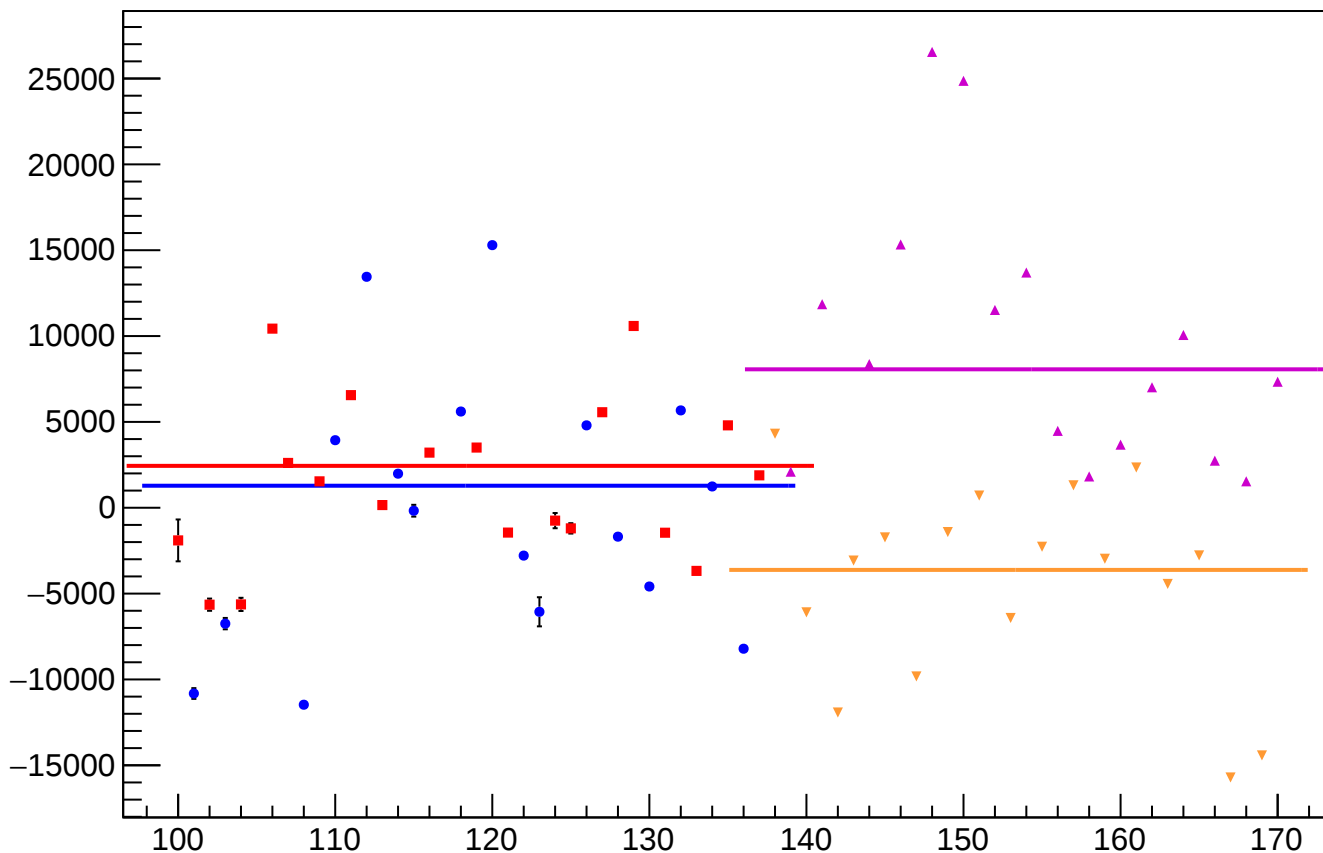
Left In: 160.549 $\pm$ 0.033 χ^2 /NDF: 697906.3/15

+ sign 149.501 $\pm$ 0.025 χ^2 /NDF: 1453383.7/33

All: 150.011 $\pm$ 0.018 χ^2 /NDF: 3125120.6/68

- sign 150.526 $\pm$ 0.025 χ^2 /NDF: 1670885.8/34

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -3620.103+/-40.116 χ^2/NDF :17844.0/16

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

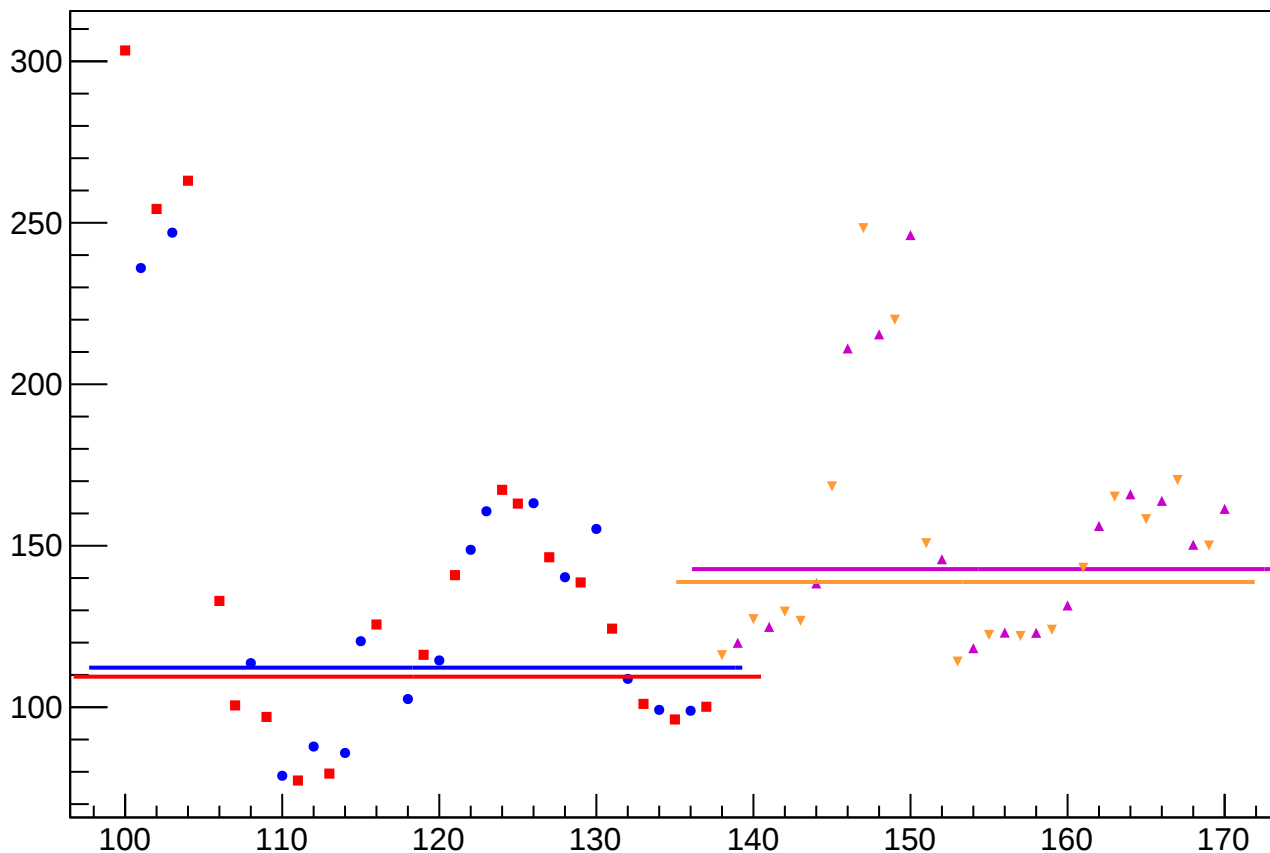
Left In: 8062.798+/-41.750 χ^2/NDF :21113.5/15

+ sign -1531.707+/-30.395 χ^2/NDF : 54747.6/33

All: 1944.576+/-21.487 χ^2/NDF : 118220.4/63

- sign 5417.143+/-30.379 χ^2/NDF : 37325.3/34

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251 $\pm$ 0.033 χ^2 /NDF: 1125537.4/16

Left Out: 138.783 $\pm$ 0.028 χ^2 /NDF: 931616.9/16

Right Out: 109.460 $\pm$ 0.031 χ^2 /NDF: 1269633.4/18

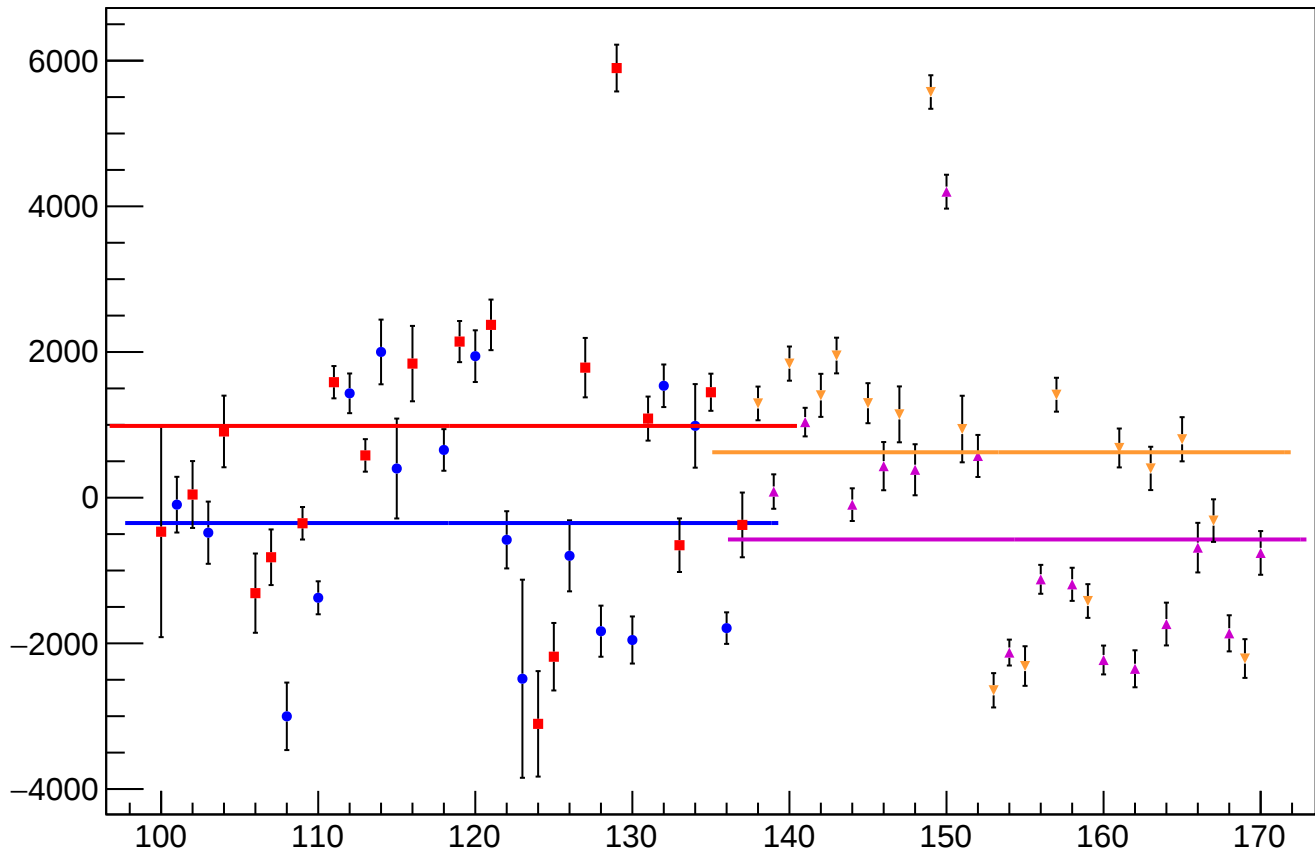
Left In: 142.769 $\pm$ 0.030 χ^2 /NDF: 970640.5/15

+ sign 127.482 $\pm$ 0.021 χ^2 /NDF: 2429783.3/33

All: 127.289 $\pm$ 0.015 χ^2 /NDF: 5269231.2/68

- sign 127.096 $\pm$ 0.021 χ^2 /NDF: 2839286.4/34

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 623.708 ± 64.632 χ^2/NDF : 1064.3/16

Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

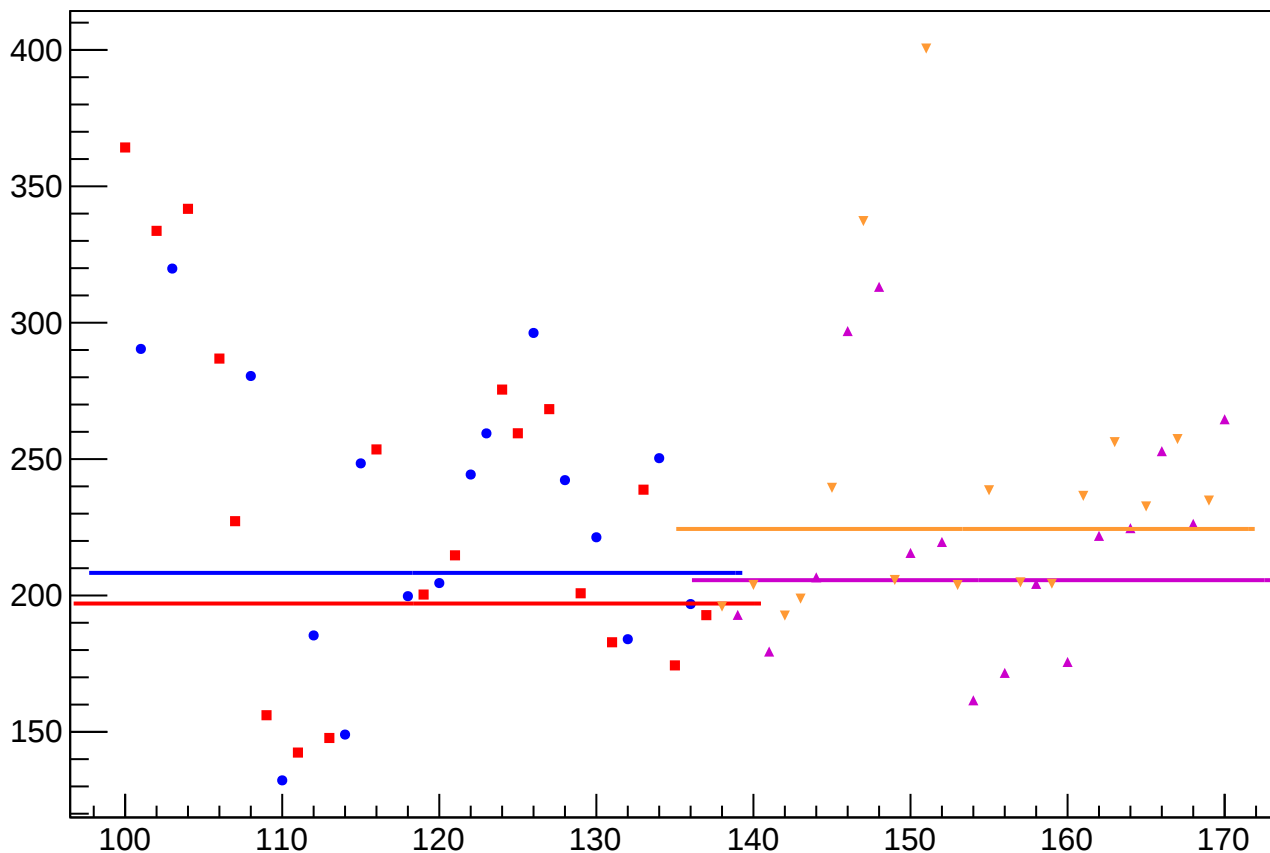
Left In: -573.675 ± 60.144 χ^2/NDF : 786.6/15

+ sign 261.401 ± 51.185 χ^2/NDF : 1465.9/33

All: 126.778 ± 34.840 χ^2/NDF : 2993.7/68

- sign 10.563 ± 47.556 χ^2/NDF : 1514.9/34

asym_bpm0l01WS_rms vs Slug



Right In: 208.288+/-0.059 χ^2/NDF : 698491.0/16

Left Out: 224.395+/-0.046 χ^2/NDF : 686472.9/16

Right Out: 197.051+/-0.055 χ^2/NDF : 926786.6/18

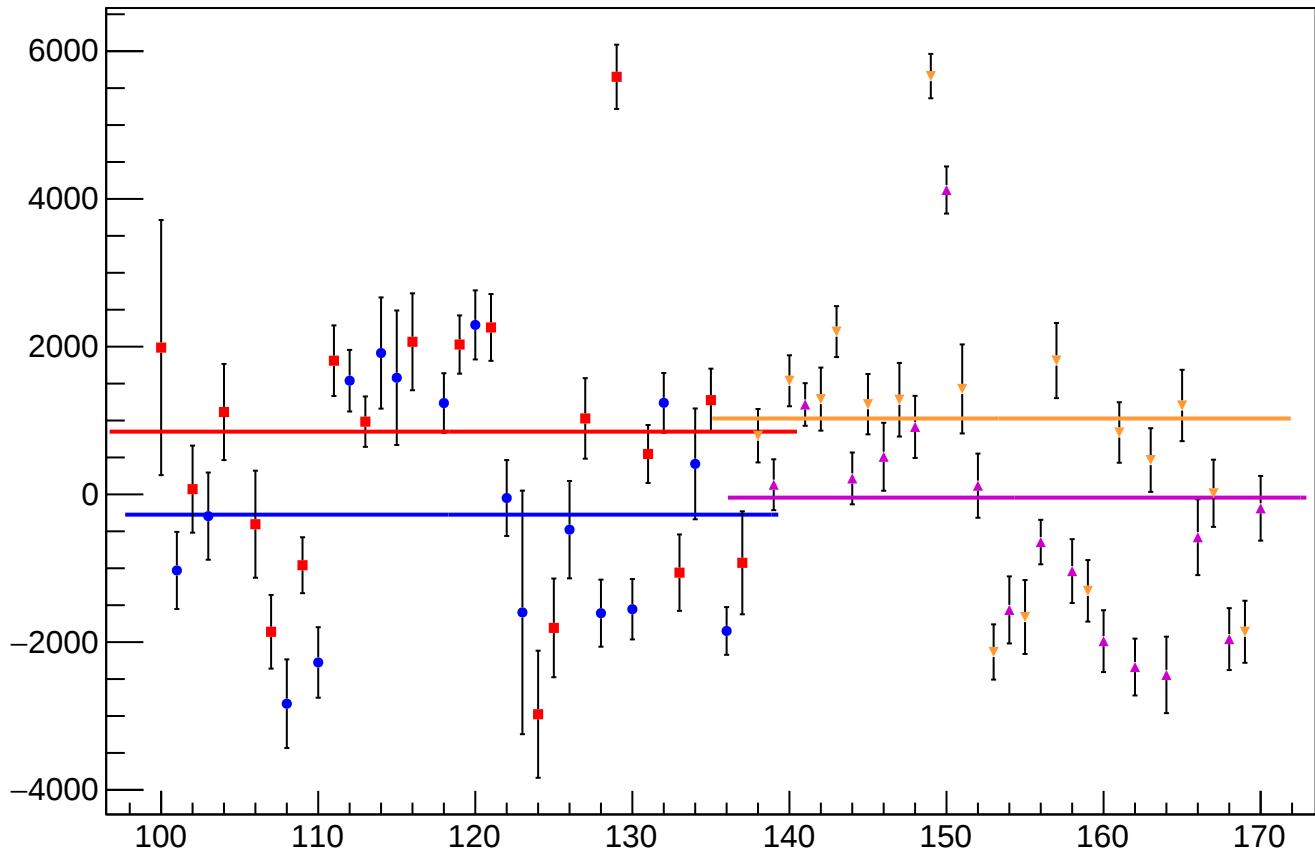
Left In: 205.616+/-0.043 χ^2/NDF : 764004.1/15

+ sign 218.389+/-0.036 χ^2/NDF : 1431275.5/33

All: 209.811+/-0.025 χ^2/NDF : 3241934.7/68

- sign 202.406+/-0.034 χ^2/NDF : 1705990.8/34

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 1027.743 ± 99.645 χ^2/NDF : 441.9/16

Right Out: 849.413 ± 115.349 χ^2/NDF : 263.3/18

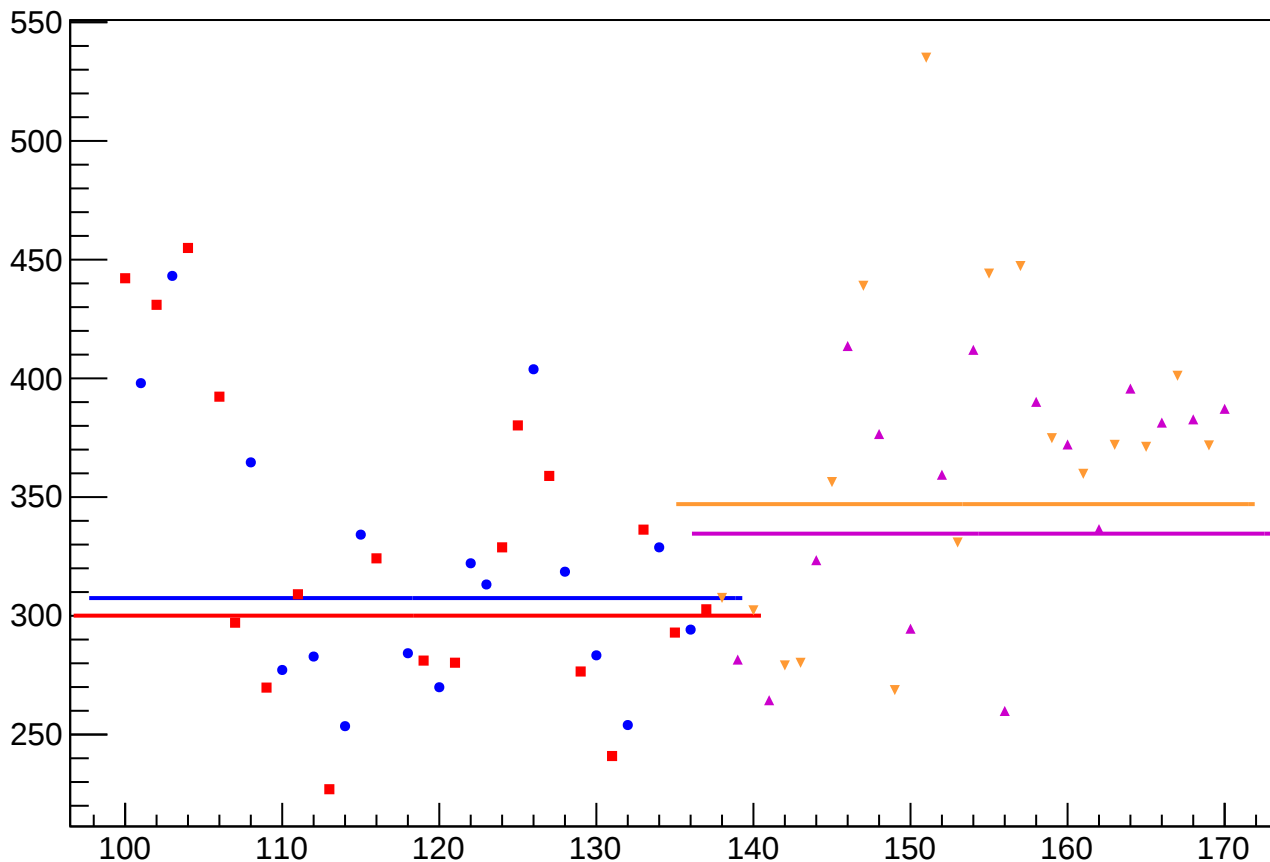
Left In: -43.821 ± 97.022 χ^2/NDF : 318.2/15

+ sign 503.273 ± 77.003 χ^2/NDF : 682.3/33

All: 411.557 ± 53.449 χ^2/NDF : 1301.6/68

- sign 326.284 ± 74.249 χ^2/NDF : 616.6/34

asym_bpm0l02WS_rms vs Slug



Right In: 307.468+/-0.086 χ^2/NDF : 323096.7/16

Left Out: 347.037+/-0.070 χ^2/NDF : 797642.0/16

Right Out: 300.069+/-0.082 χ^2/NDF : 490398.9/18

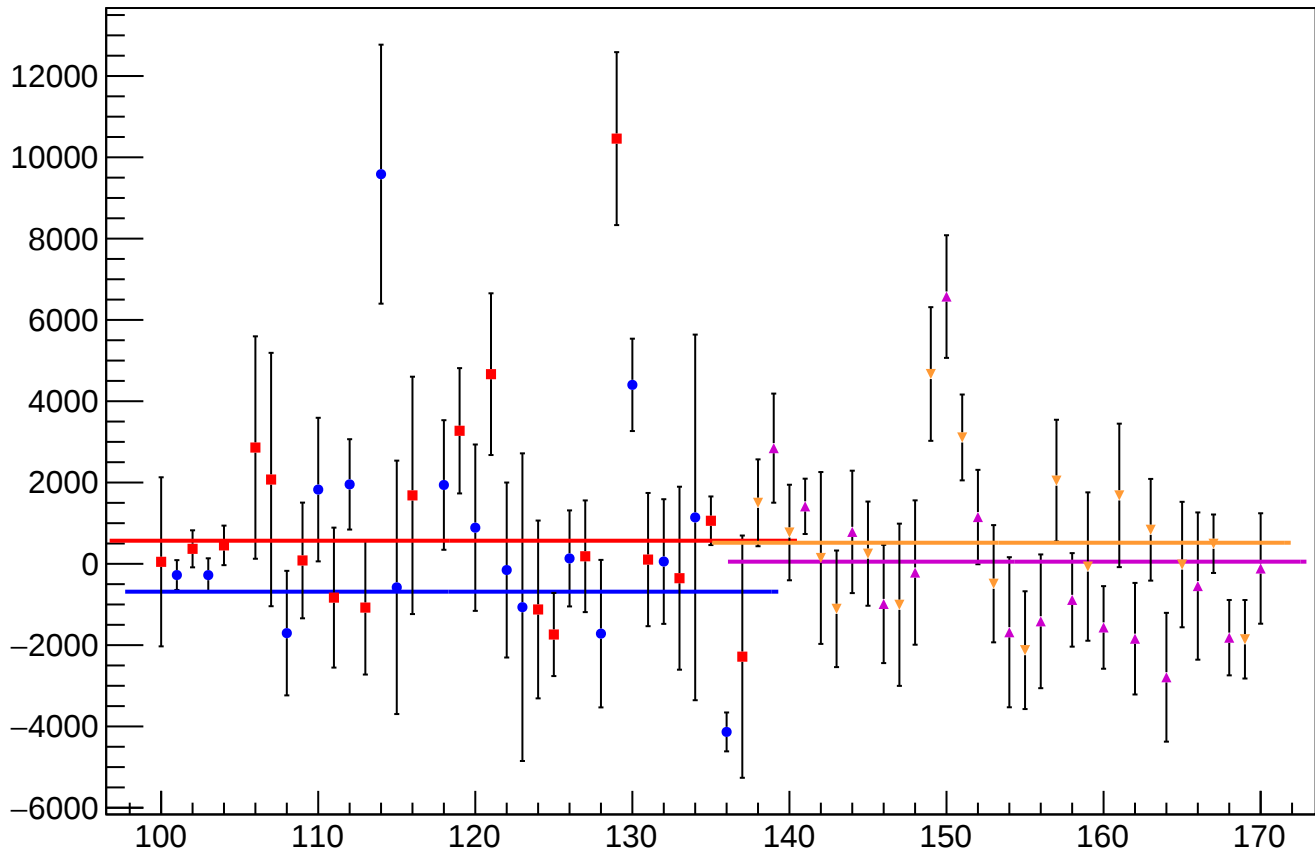
Left In: 334.599+/-0.069 χ^2/NDF : 614814.5/15

+ sign 331.098+/-0.054 χ^2/NDF : 1247778.1/33

All: 325.498+/-0.038 χ^2/NDF : 2478363.6/68

- sign 320.292+/-0.053 χ^2/NDF : 1210177.2/34

asym_bpm0l03WS_mean vs Slug



Right In: -685.056 ± 210.341 χ^2/NDF : 97.4/16

Left Out: 518.831 ± 308.210 χ^2/NDF : 26.9/16

Right Out: 568.651 ± 243.251 χ^2/NDF : 39.7/18

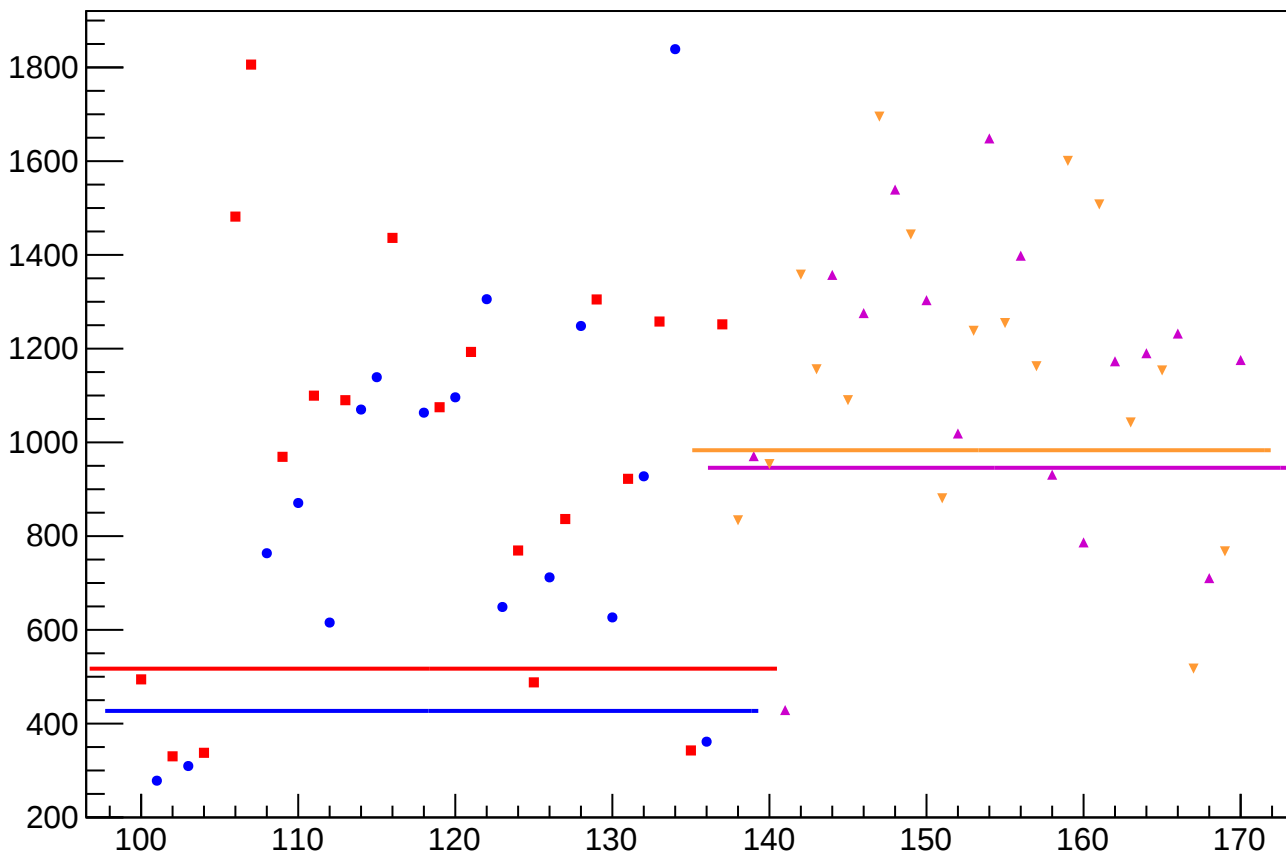
Left In: 53.059 ± 309.293 χ^2/NDF : 42.9/15

+ sign -302.513 ± 173.737 χ^2/NDF : 134.6/33

All: 2.361 ± 128.583 χ^2/NDF : 225.8/68

- sign 371.612 ± 191.202 χ^2/NDF : 84.3/34

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 983.256+/-0.218 χ^2/NDF : 2111201.5/16

Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

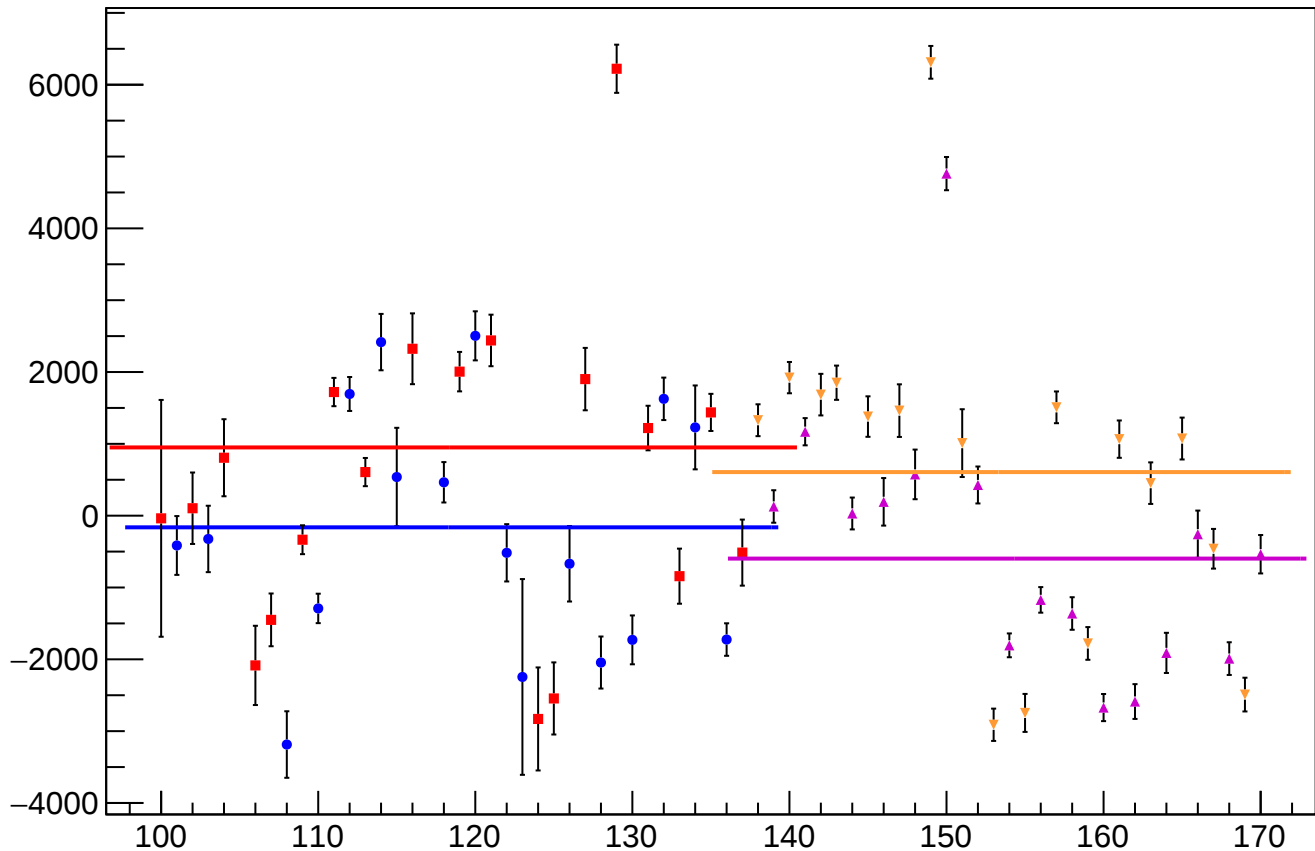
Left In: 945.775+/-0.219 χ^2/NDF : 2579837.9/15

+ sign 603.808+/-0.123 χ^2/NDF : 9420160.4/33

All: 638.721+/-0.091 χ^2/NDF : 18155879.3/68

- sign 681.006+/-0.135 χ^2/NDF : 8557139.4/34

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 χ^2/NDF : 387.6/16

Left Out: 606.936 ± 62.227 χ^2/NDF : 1454.7/16

Right Out: 950.093 ± 75.133 χ^2/NDF : 539.8/18

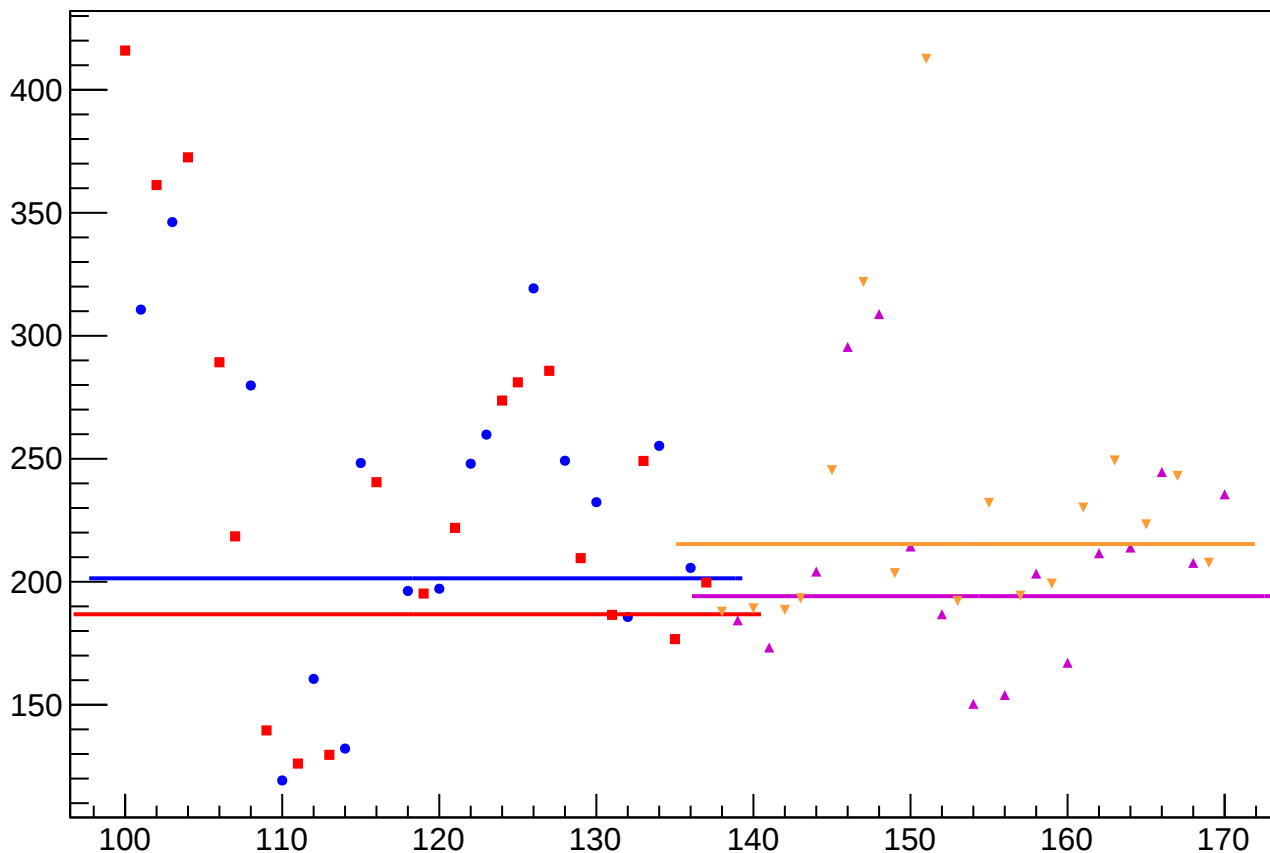
Left In: -597.585 ± 57.087 χ^2/NDF : 998.5/15

+ sign 327.336 ± 49.647 χ^2/NDF : 1897.8/33

All: 132.338 ± 33.526 χ^2/NDF : 3733.5/68

- sign -31.117 ± 45.455 χ^2/NDF : 1807.3/34

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 215.341 $\pm$ 0.044 χ^2 /NDF: 755385.9/16

Right Out: 186.797 $\pm$ 0.053 χ^2 /NDF: 1393162.0/18

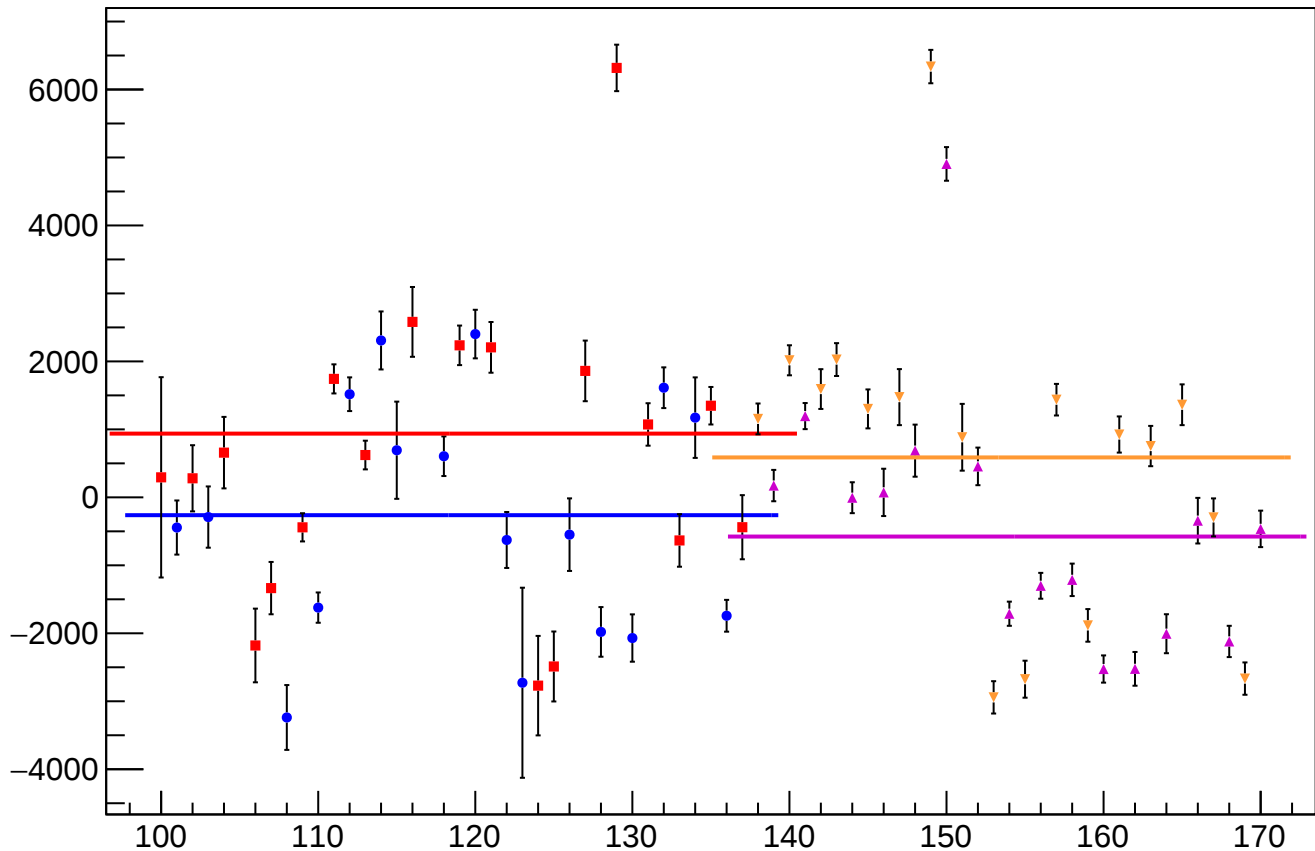
Left In: 194.156 $\pm$ 0.040 χ^2 /NDF: 864948.9/15

+ sign 210.277 $\pm$ 0.035 χ^2 /NDF: 1847843.6/33

All: 200.042 $\pm$ 0.024 χ^2 /NDF: 4274372.3/68

- sign 191.462 $\pm$ 0.032 χ^2 /NDF: 2270272.1/34

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 587.322 ± 64.318 χ^2/NDF : 1343.8/16

Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

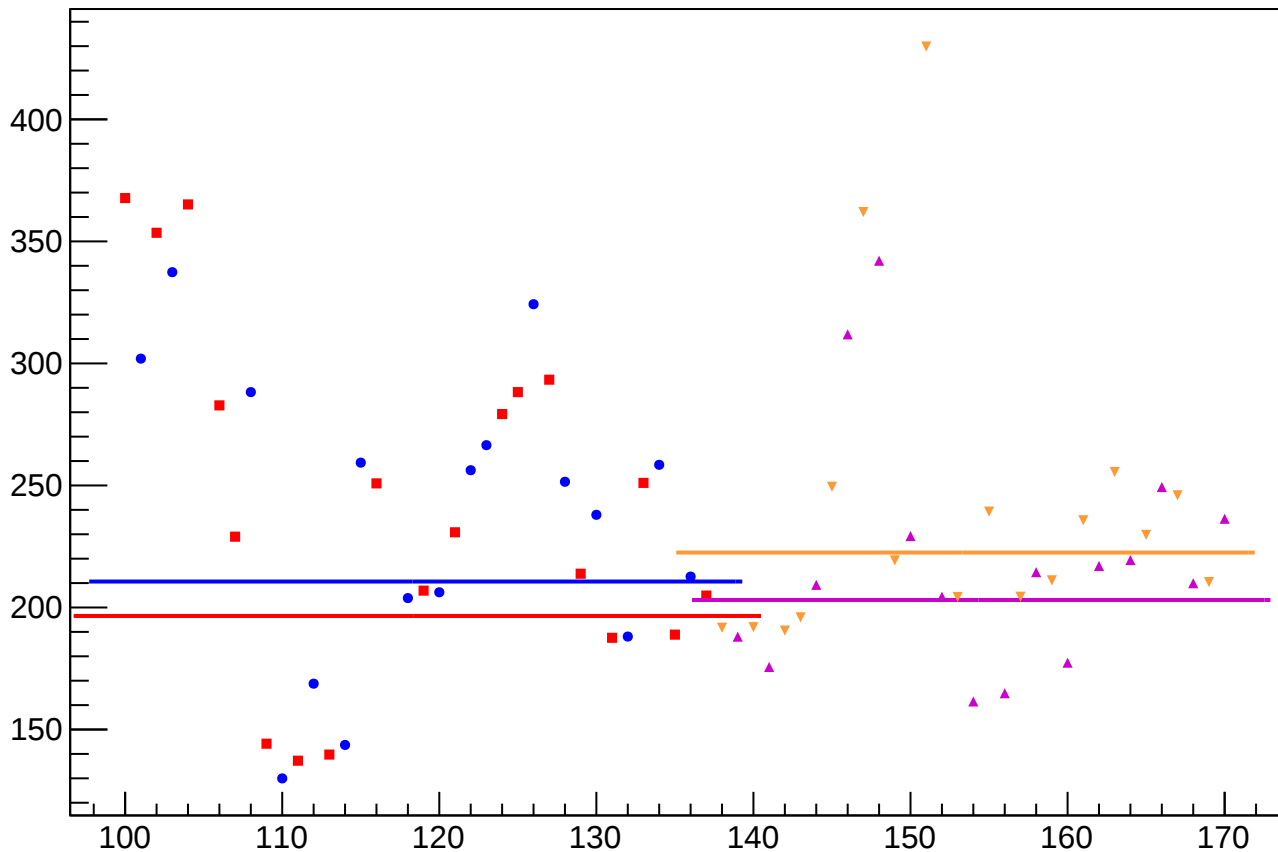
Left In: -576.719 ± 59.594 χ^2/NDF : 910.4/15

+ sign 279.964 ± 51.384 χ^2/NDF : 1775.7/33

All: 116.741 ± 34.861 χ^2/NDF : 3463.0/68

- sign -22.450 ± 47.451 χ^2/NDF : 1668.6/34

asym_bpm0l05WS_rms vs Slug



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 222.518+/-0.045 χ^2/NDF : 812808.3/16

Right Out: 196.528+/-0.055 χ^2/NDF : 1205091.0/18

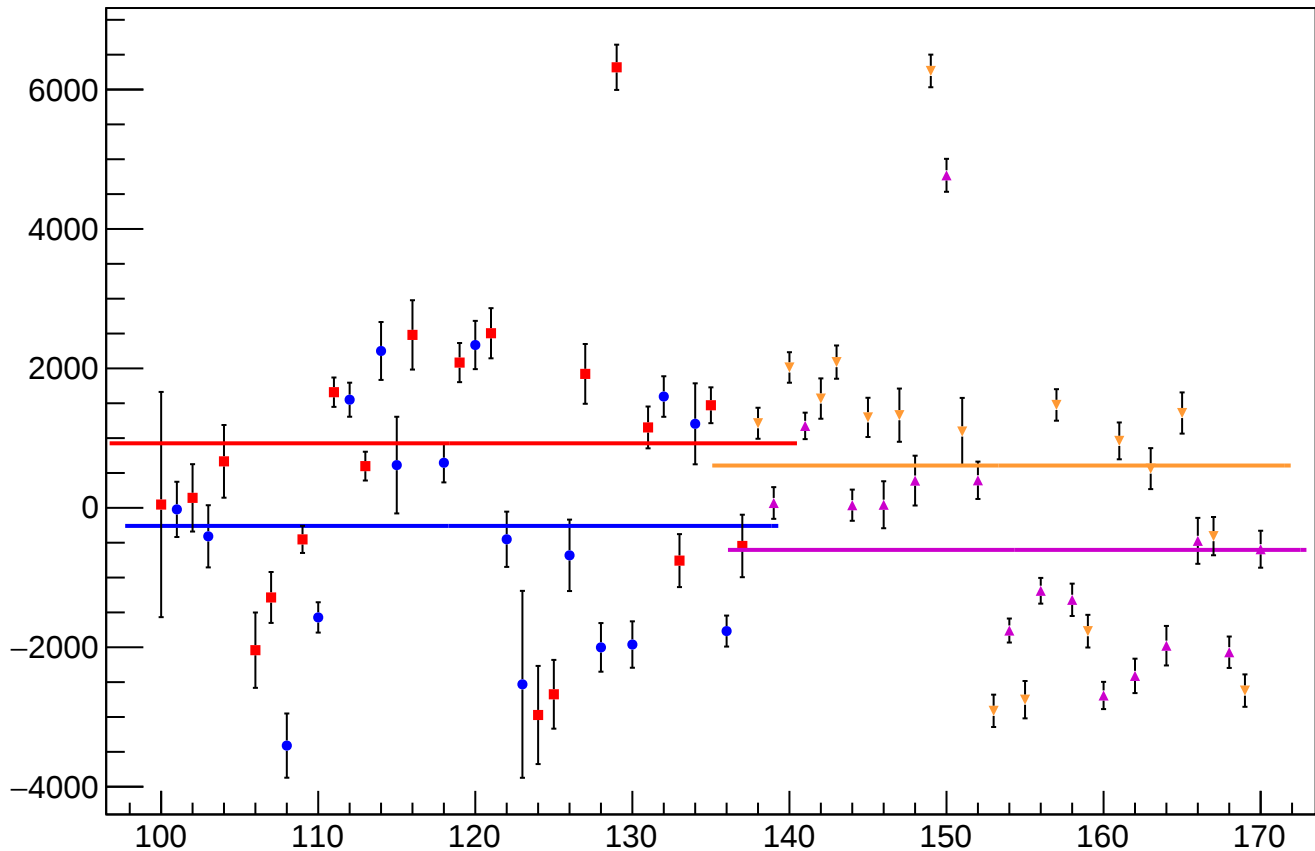
Left In: 203.077+/-0.042 χ^2/NDF : 843196.1/15

+ sign 218.220+/-0.036 χ^2/NDF : 1713278.3/33

All: 208.753+/-0.025 χ^2/NDF : 3896177.5/68

- sign 200.680+/-0.034 χ^2/NDF : 2057127.6/34

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 606.993 ± 62.987 χ^2/NDF : 1413.4/16

Right Out: 925.534 ± 75.503 χ^2/NDF : 581.9/18

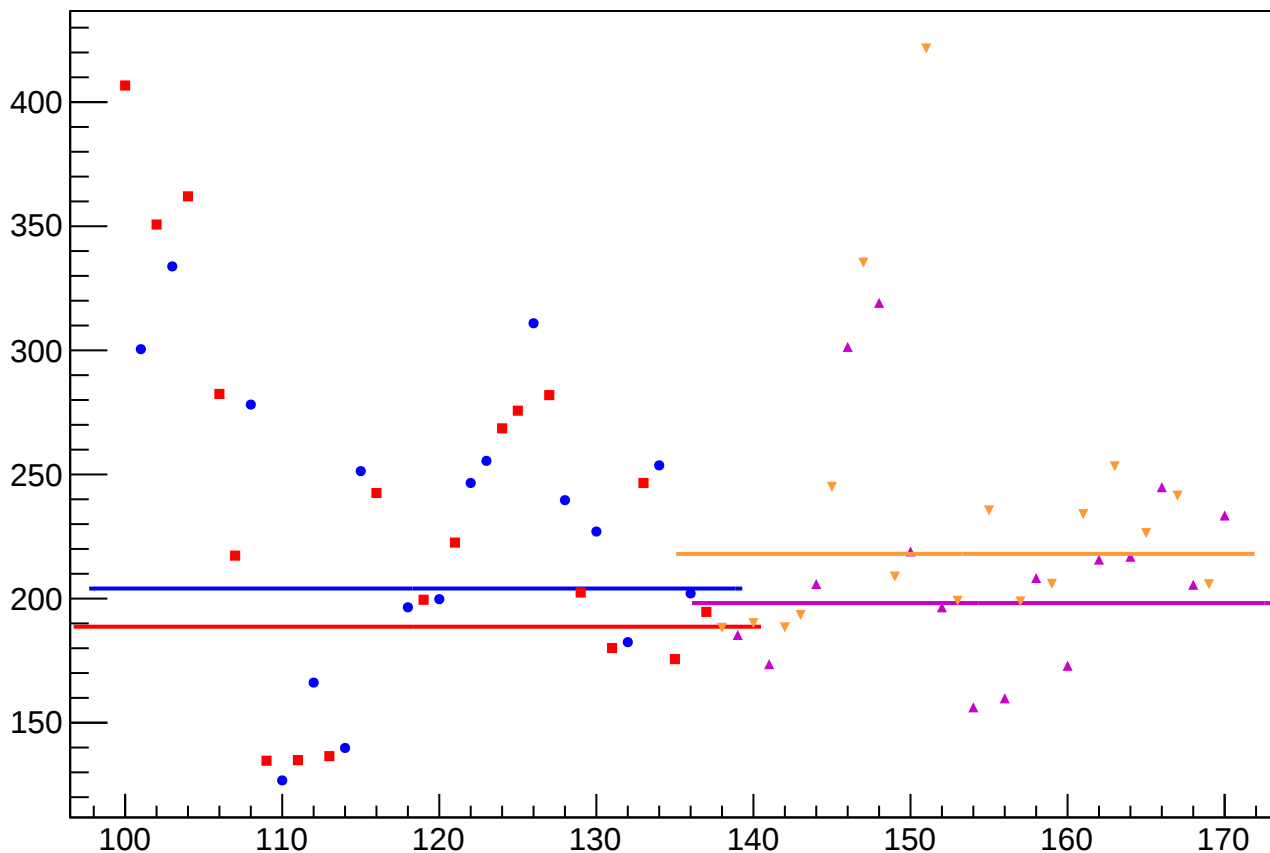
Left In: -603.151 ± 58.171 χ^2/NDF : 945.5/15

+ sign 289.510 ± 50.131 χ^2/NDF : 1873.9/33

All: 114.301 ± 33.926 χ^2/NDF : 3681.1/68

- sign -33.740 ± 46.081 χ^2/NDF : 1784.6/34

asym_bpm0l06WS_rms vs Slug



Right In: 204.051 $\pm$ 0.059 χ^2 /NDF: 868423.0/16

Left Out: 218.008 $\pm$ 0.045 χ^2 /NDF: 777211.1/16

Right Out: 188.681 $\pm$ 0.053 χ^2 /NDF: 1251107.4/18

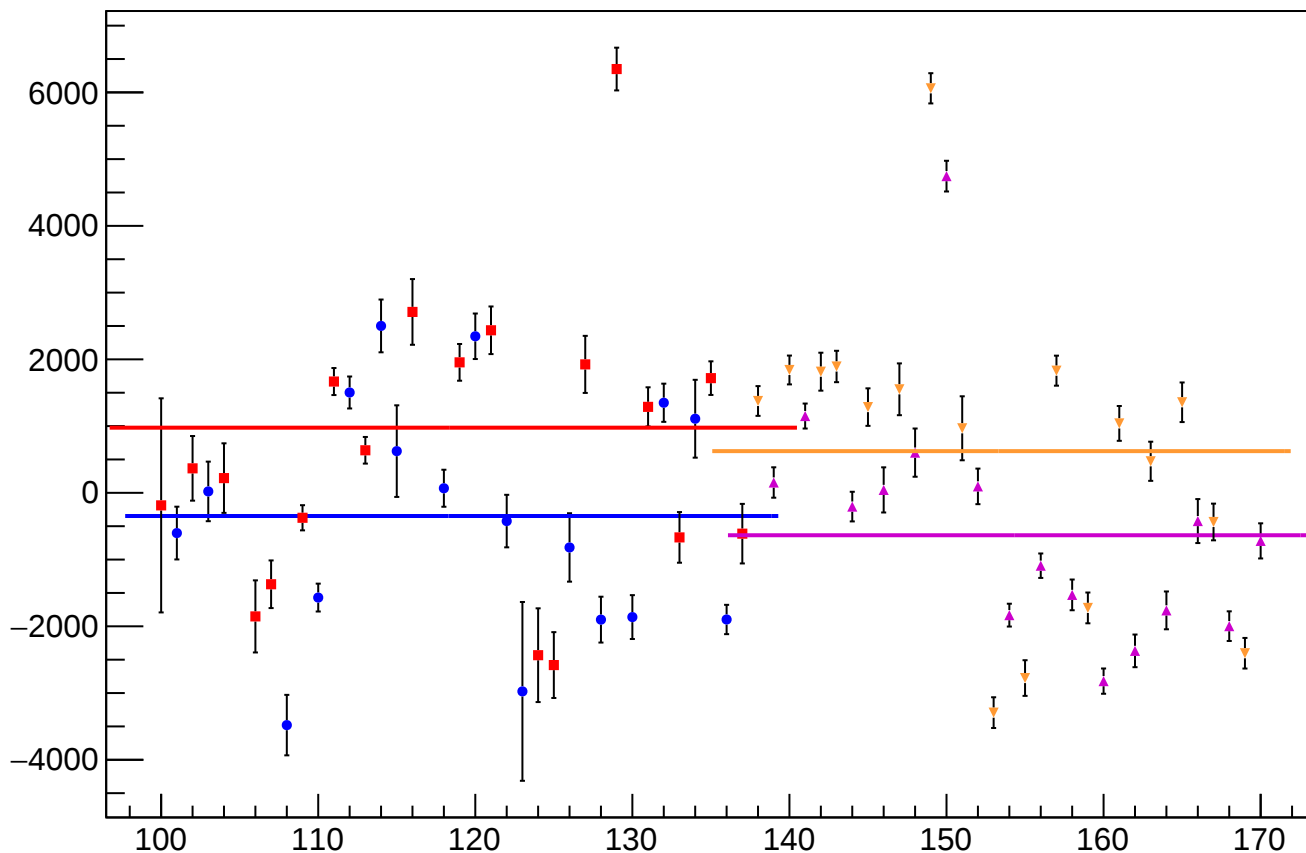
Left In: 198.212 $\pm$ 0.041 χ^2 /NDF: 813960.9/15

+ sign 212.892 $\pm$ 0.035 χ^2 /NDF: 1681629.3/33

All: 203.011 $\pm$ 0.024 χ^2 /NDF: 3910058.8/68

- sign 194.662 $\pm$ 0.033 χ^2 /NDF: 2085069.2/34

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 624.779 ± 62.439 χ^2/NDF : 1459.4/16

Right Out: 976.286 ± 73.889 χ^2/NDF : 585.7/18

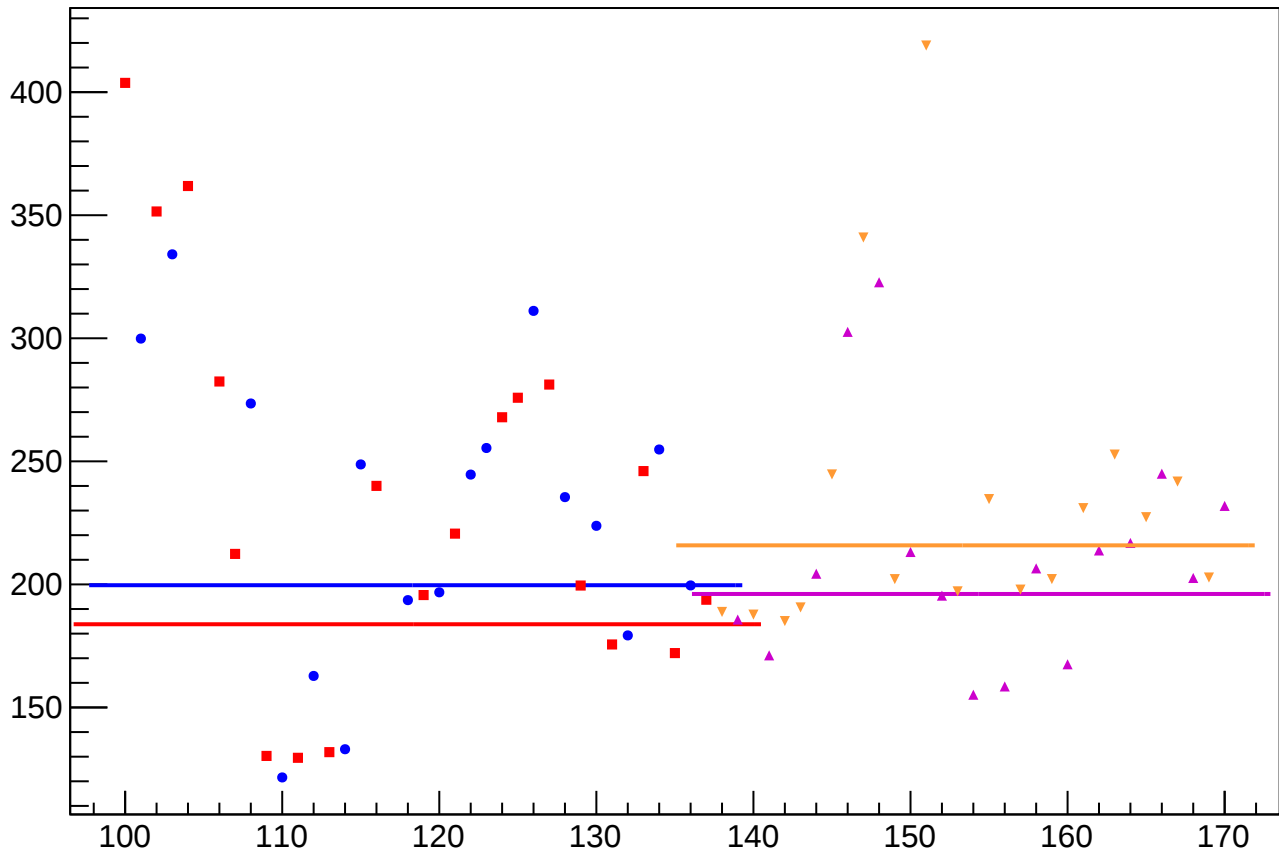
Left In: -635.491 ± 57.608 χ^2/NDF : 984.5/15

+ sign 264.251 ± 49.524 χ^2/NDF : 1948.4/33

All: 106.561 ± 33.479 χ^2/NDF : 3833.2/68

- sign -26.144 ± 45.432 χ^2/NDF : 1866.2/34

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 215.867 $\pm$ 0.044 χ^2 /NDF:813374.9/16

Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

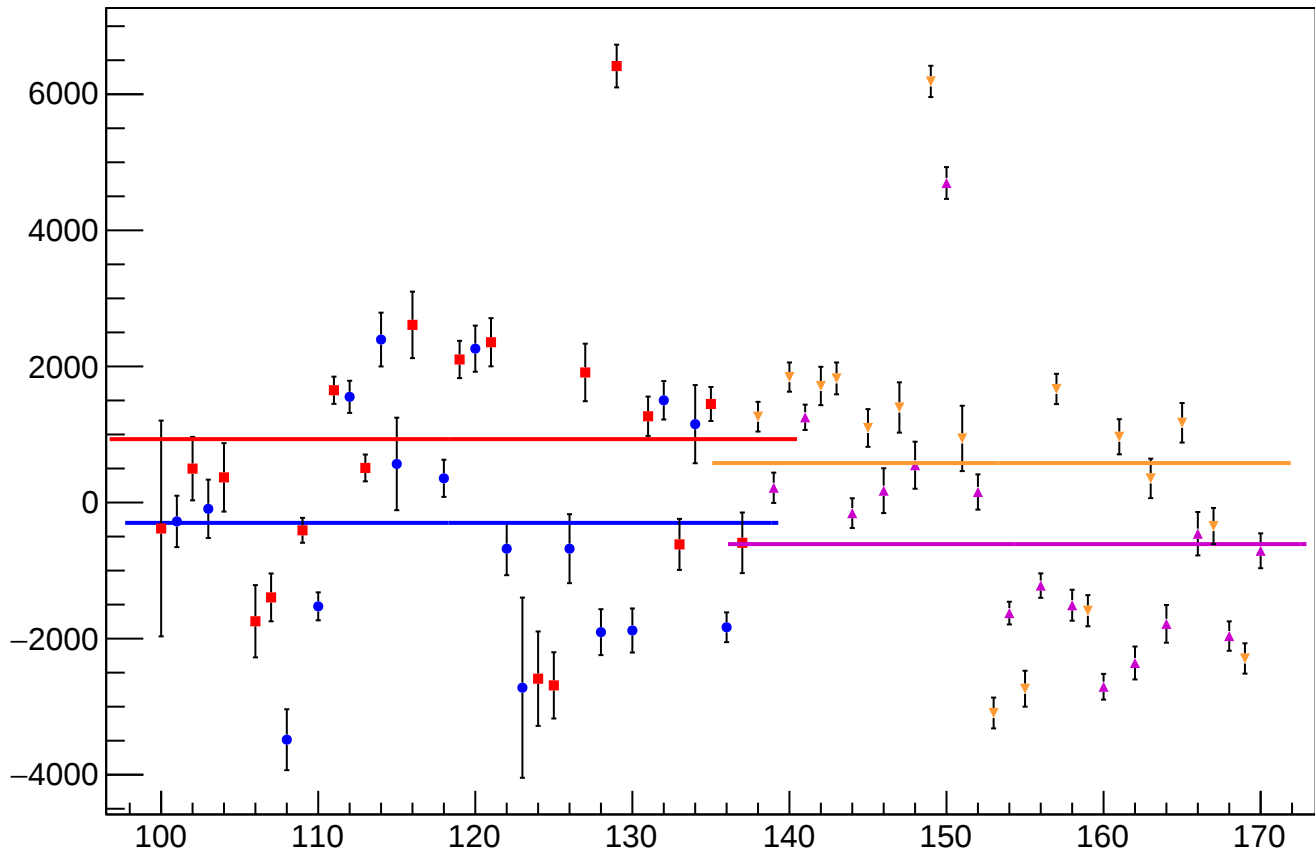
Left In: 196.110 $\pm$ 0.041 χ^2 /NDF:849590.6/15

+ sign 209.859 $\pm$ 0.035 χ^2 /NDF: 1806449.2/33

All: 199.867 $\pm$ 0.024 χ^2 /NDF: 4190054.5/68

- sign 191.459 $\pm$ 0.032 χ^2 /NDF: 2233692.2/34

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 579.947 ± 61.627 χ^2/NDF : 1411.5/16

Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

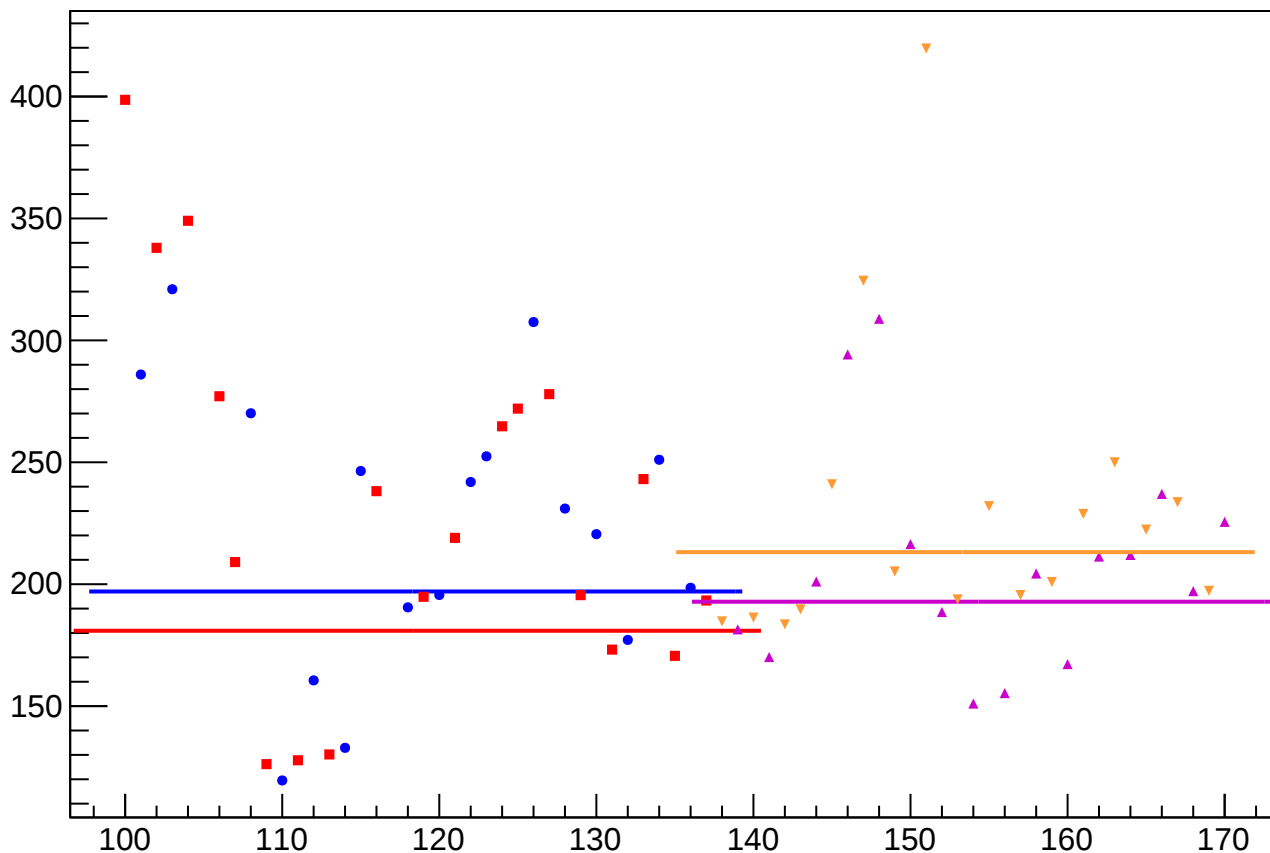
Left In: -610.666 ± 56.641 χ^2/NDF : 956.7/15

+ sign 253.456 ± 48.857 χ^2/NDF : 1893.6/33

All: 99.936 ± 32.977 χ^2/NDF : 3763.2/68

- sign -28.527 ± 44.693 χ^2/NDF : 1851.4/34

asym_bpm0l08WS_rms vs Slug



Right In: 197.013+/-0.057 χ^2/NDF : 911923.5/16

Left Out: 213.150+/-0.044 χ^2/NDF : 788362.9/16

Right Out: 180.906+/-0.051 χ^2/NDF : 1345685.7/18

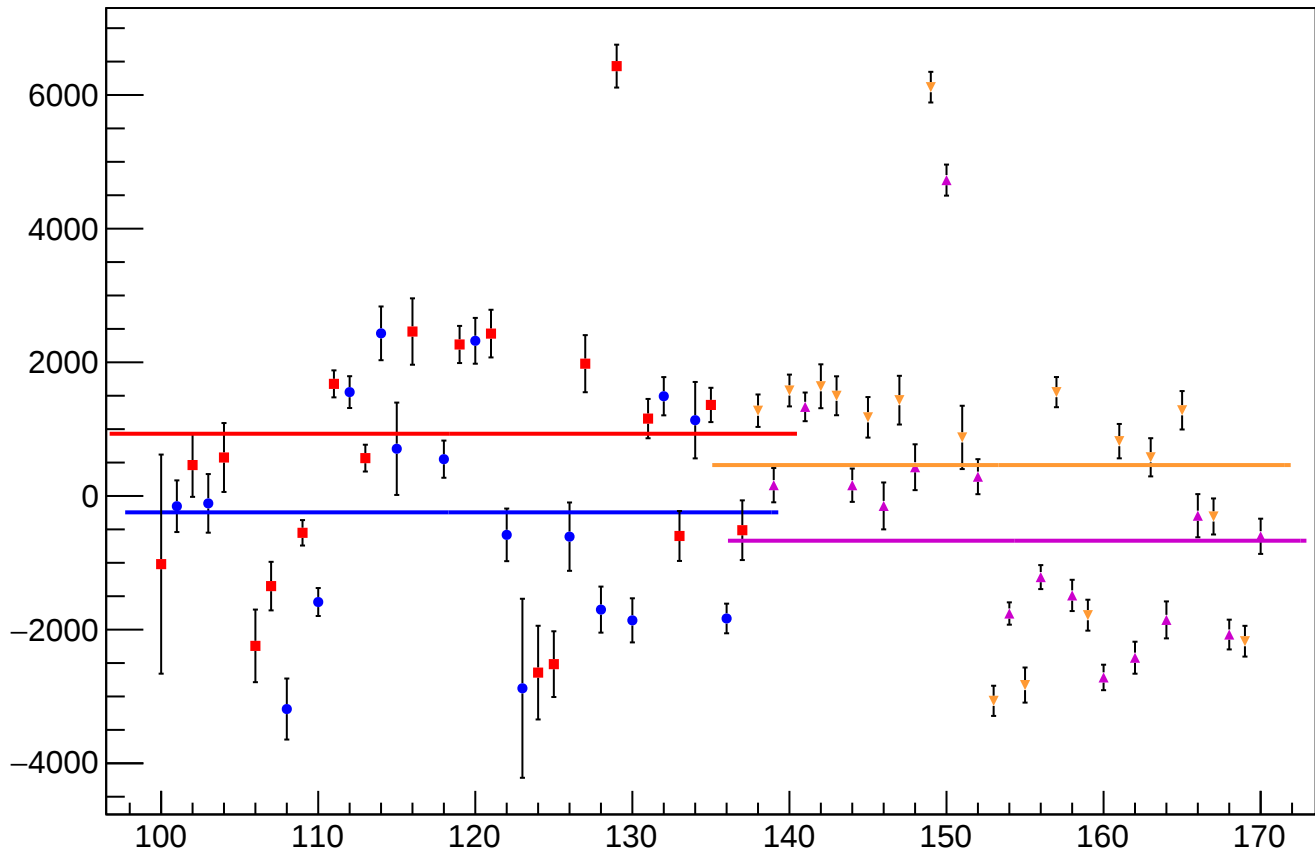
Left In: 192.821+/-0.040 χ^2/NDF : 821678.1/15

+ sign 207.156+/-0.035 χ^2/NDF : 1751223.8/33

All: 196.903+/-0.023 χ^2/NDF : 4113745.2/68

- sign 188.325+/-0.032 χ^2/NDF : 2200766.8/34

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 462.557 ± 64.278 χ^2/NDF : 1348.2/16

Right Out: 931.272 ± 74.206 χ^2/NDF : 609.7/18

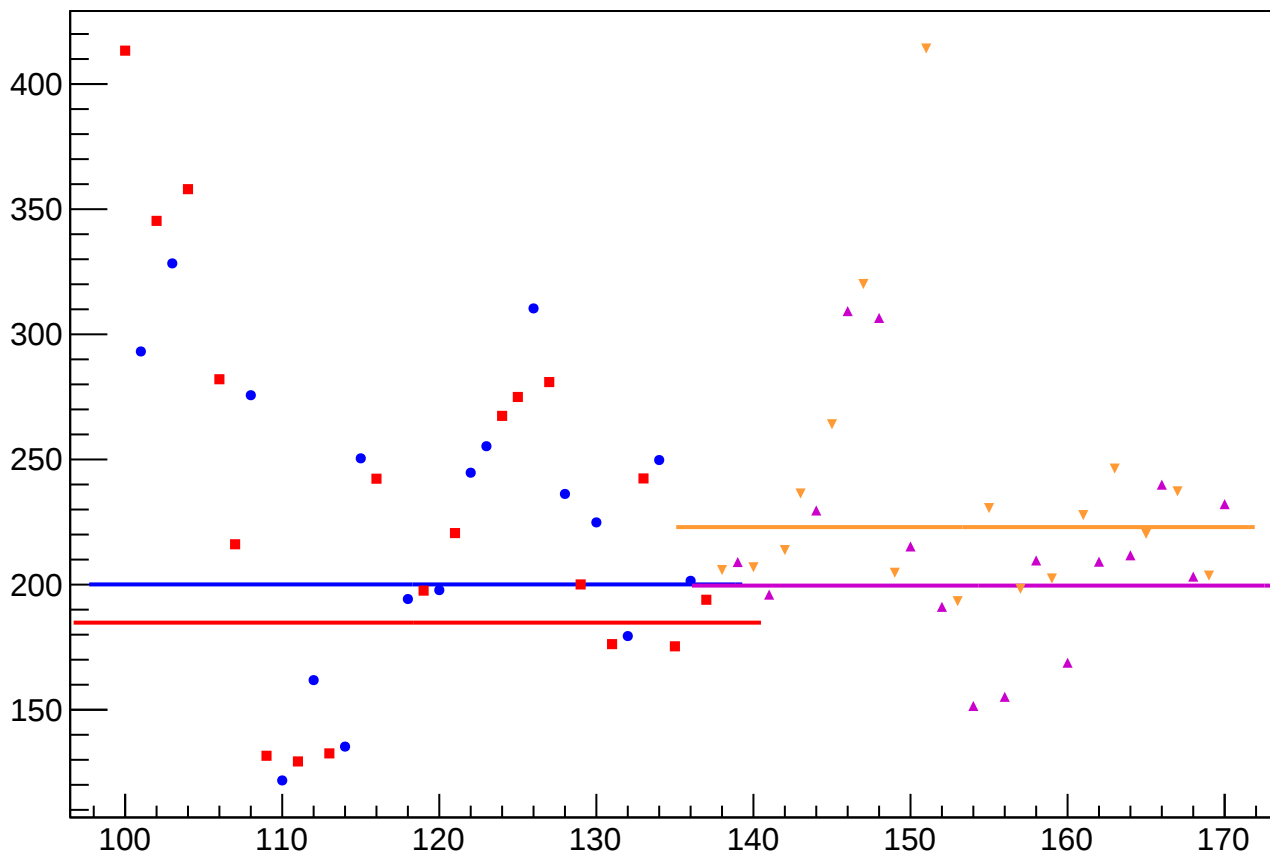
Left In: -669.416 ± 58.712 χ^2/NDF : 966.0/15

+ sign 190.813 ± 50.445 χ^2/NDF : 1786.2/33

All: 57.722 ± 34.007 χ^2/NDF : 3660.8/68

- sign -53.155 ± 46.043 χ^2/NDF : 1861.9/34

asym_bpm0l09WS_rms vs Slug



Right In: 200.078+/-0.058 χ^2/NDF : 918309.2/16

Left Out: 222.980+/-0.045 χ^2/NDF : 651937.2/16

Right Out: 184.807+/-0.052 χ^2/NDF : 1318267.6/18

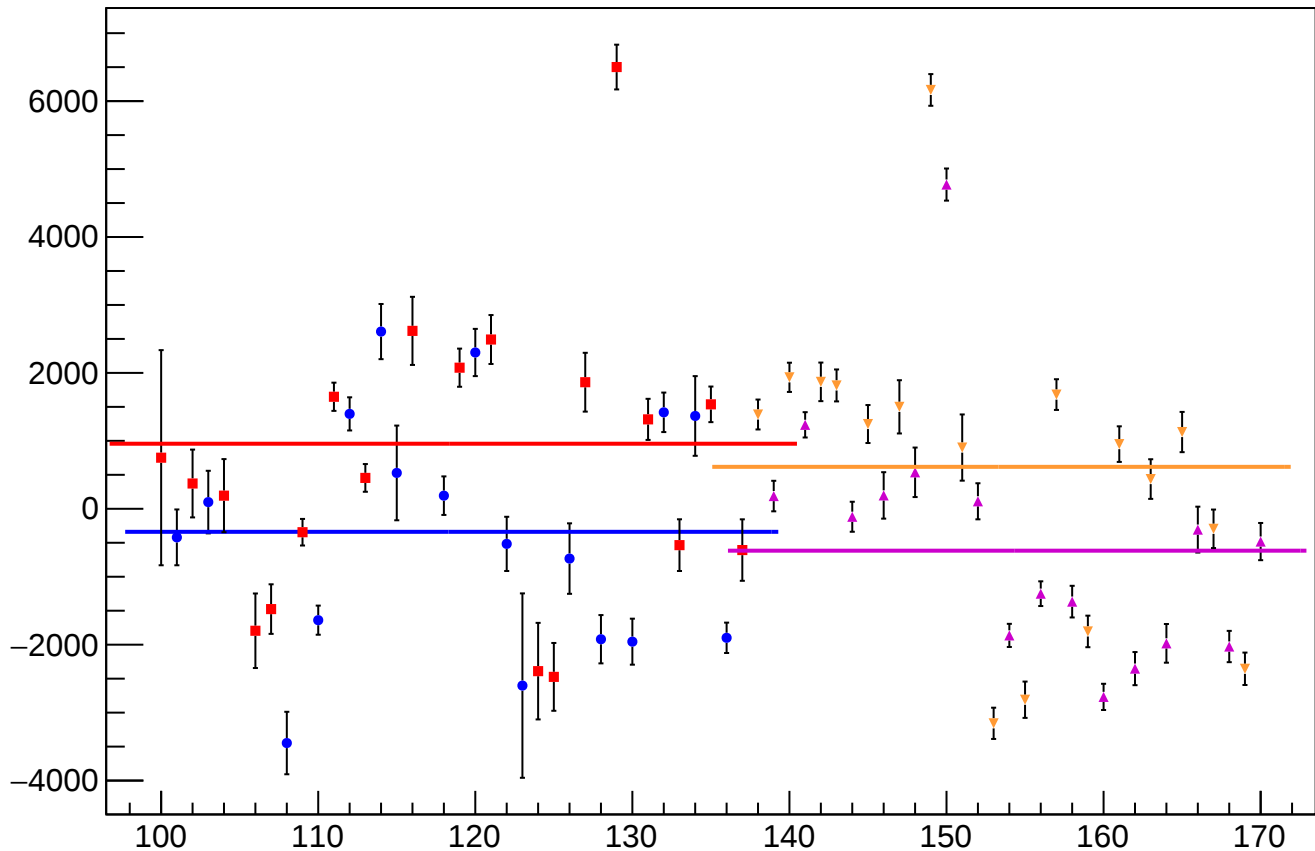
Left In: 199.606+/-0.042 χ^2/NDF : 846782.7/15

+ sign 214.183+/-0.036 χ^2/NDF : 1667764.4/33

All: 203.123+/-0.024 χ^2/NDF : 4057982.2/68

- sign 193.909+/-0.033 χ^2/NDF : 2213970.3/34

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 617.443 ± 62.815 χ^2/NDF : 1406.7/16

Right Out: 957.615 ± 75.749 χ^2/NDF : 570.3/18

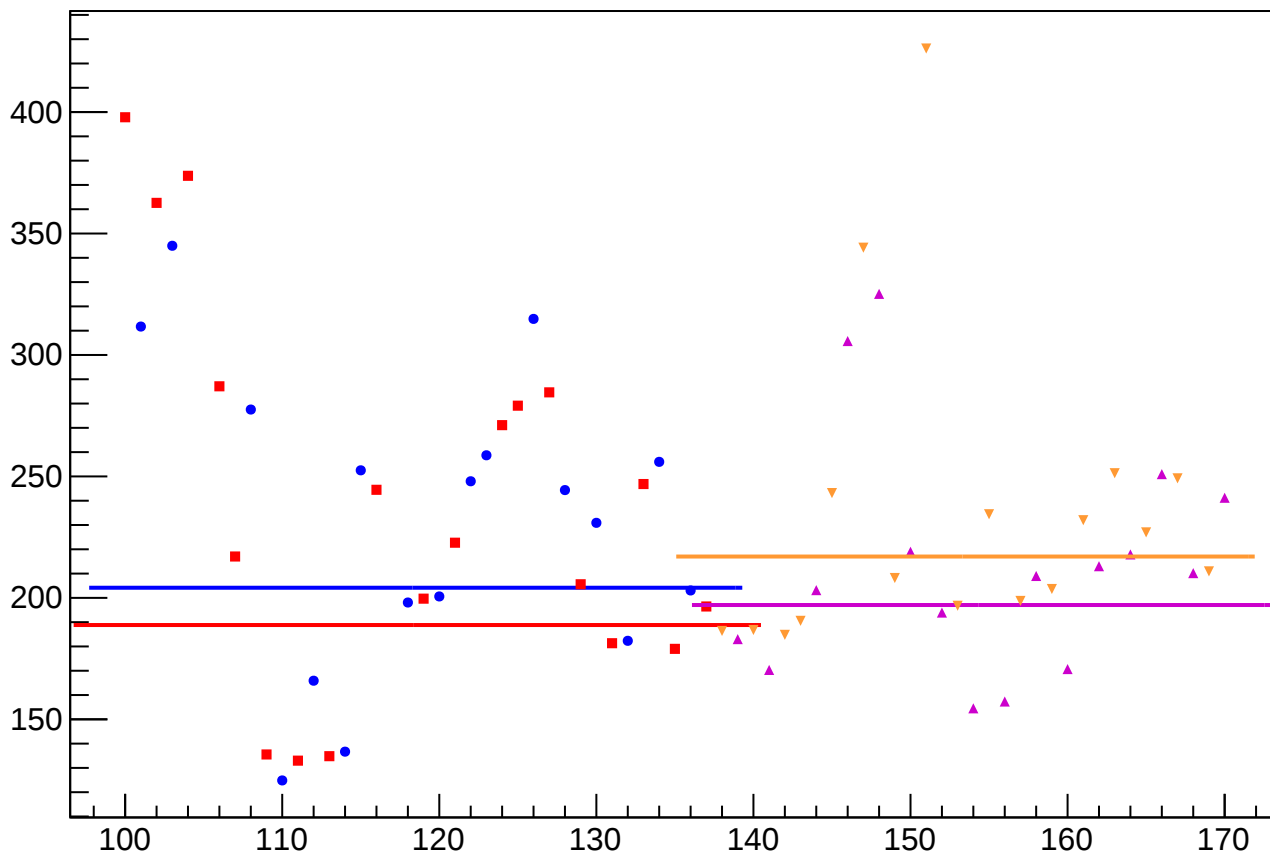
Left In: -616.530 ± 57.979 χ^2/NDF : 972.5/15

+ sign 269.795 ± 50.115 χ^2/NDF : 1880.5/33

All: 104.502 ± 33.905 χ^2/NDF : 3715.6/68

- sign -35.004 ± 46.040 χ^2/NDF : 1815.1/34

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 $\pm$ 0.059 χ^2 /NDF: 947438.5/16

Left Out: 217.020 $\pm$ 0.044 χ^2 /NDF:836044.8/16

Right Out: 188.821 $\pm$ 0.054 χ^2 /NDF: 1314891.2/18

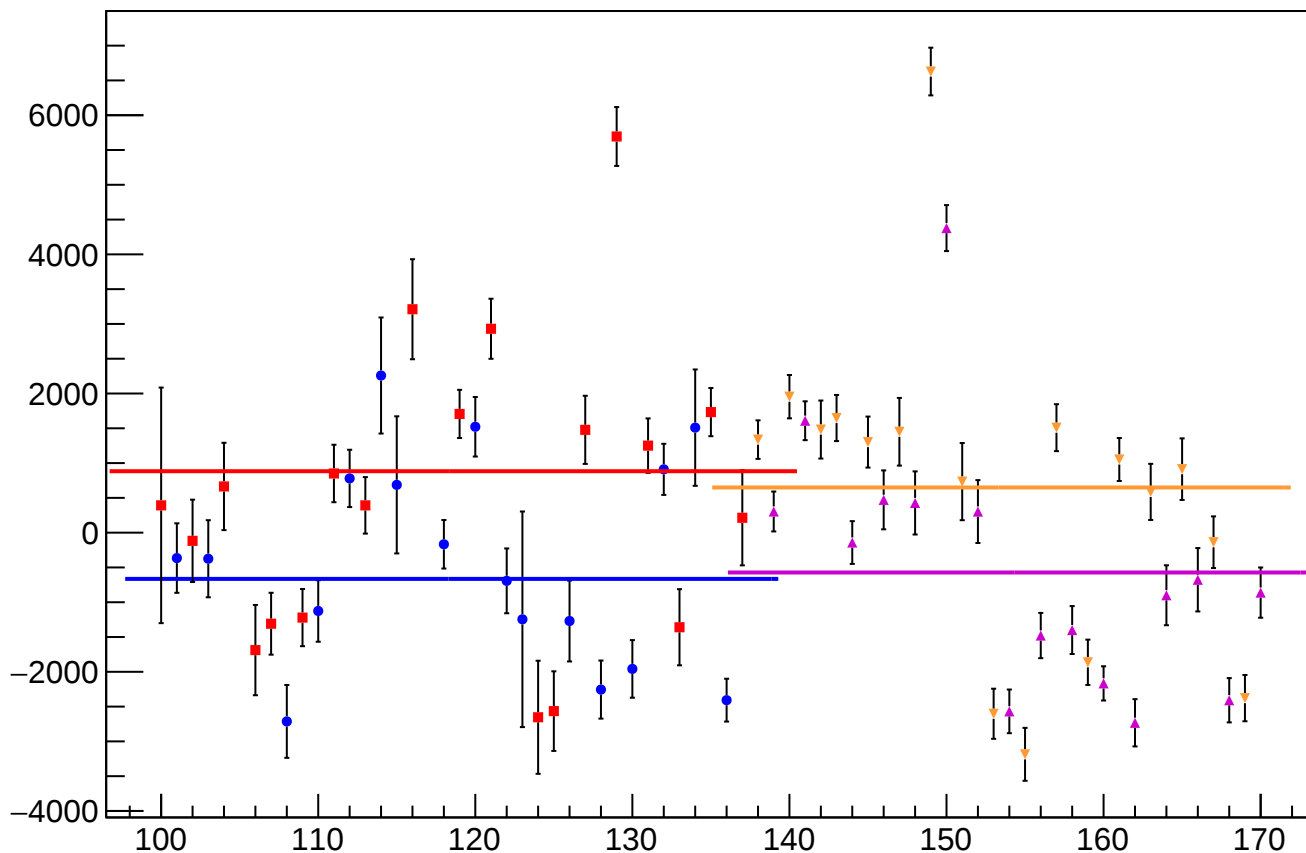
Left In: 197.060 $\pm$ 0.041 χ^2 /NDF:909173.7/15

+ sign 212.351 $\pm$ 0.035 χ^2 /NDF: 1813880.5/33

All: 202.408 $\pm$ 0.024 χ^2 /NDF: 4198031.0/68

- sign 194.017 $\pm$ 0.033 χ^2 /NDF: 2238986.2/34

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 χ^2/NDF : 154.3/16

Left Out: 649.462 ± 86.881 χ^2/NDF : 685.4/16

Right Out: 883.255 ± 110.875 χ^2/NDF : 320.1/18

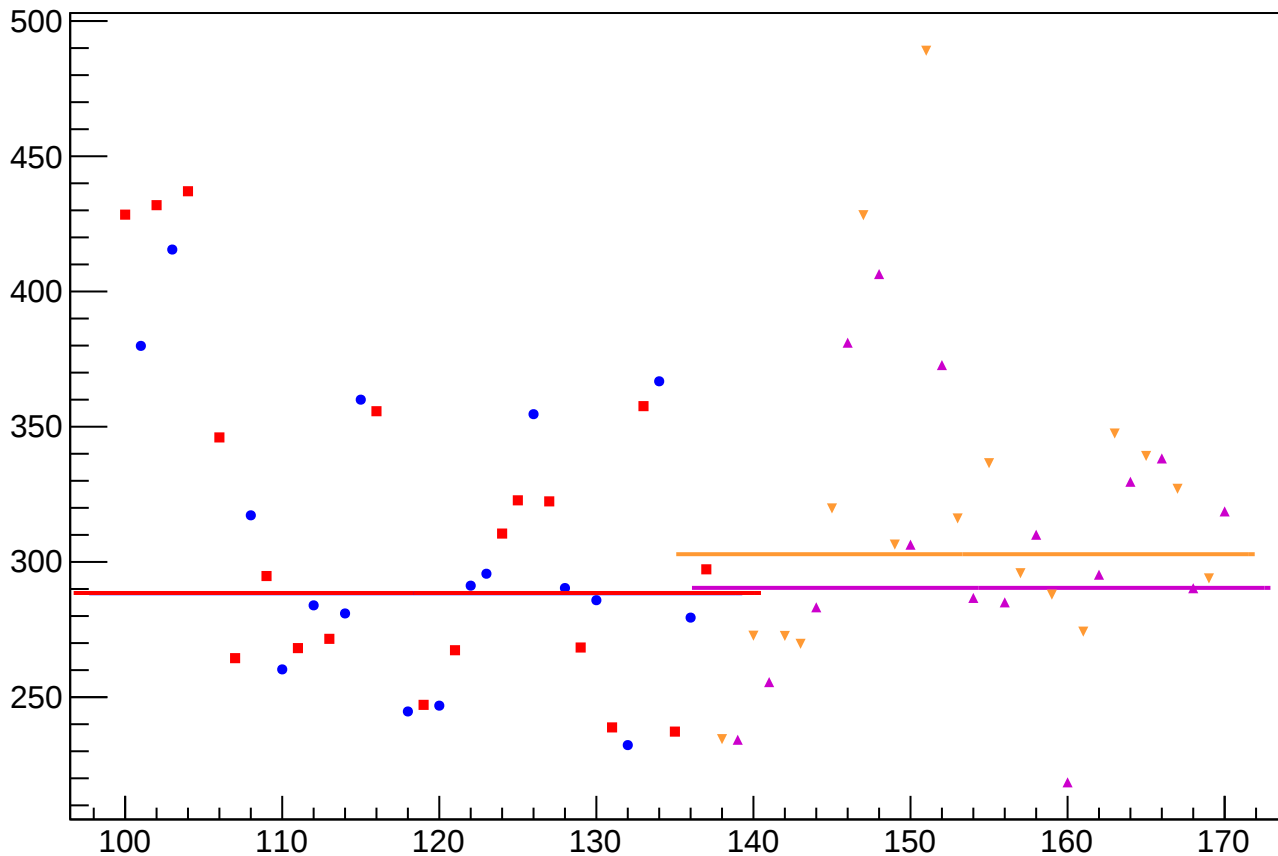
Left In: -572.581 ± 84.197 χ^2/NDF : 482.4/15

+ sign 166.456 ± 69.090 χ^2/NDF : 923.8/33

All: 60.087 ± 48.118 χ^2/NDF : 1840.3/68

- sign -40.107 ± 67.054 χ^2/NDF : 911.8/34

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 ± 0.081 χ^2/NDF : 339820.0/16

Left Out: 302.864 ± 0.061 χ^2/NDF : 622275.4/16

Right Out: 288.522 ± 0.078 χ^2/NDF : 455410.1/18

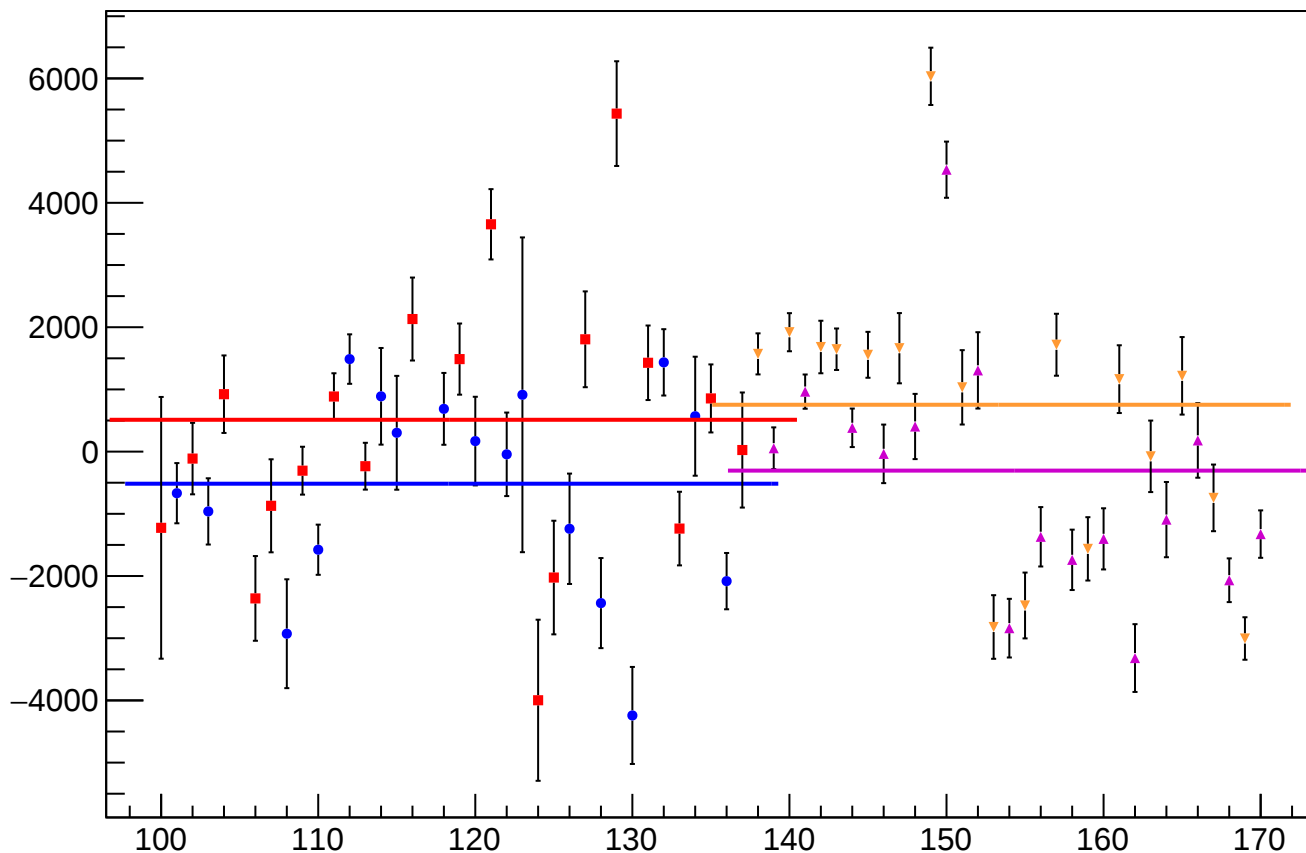
Left In: 290.415 ± 0.060 χ^2/NDF : 632246.3/15

+ sign 297.557 ± 0.049 χ^2/NDF : 982393.8/33

All: 293.523 ± 0.034 χ^2/NDF : 2083661.7/68

- sign 289.723 ± 0.047 χ^2/NDF : 1088026.4/34

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 χ^2/NDF : 108.0/16

Left Out: 753.465 ± 106.166 χ^2/NDF : 414.1/16

Right Out: 511.851 ± 135.798 χ^2/NDF : 141.3/18

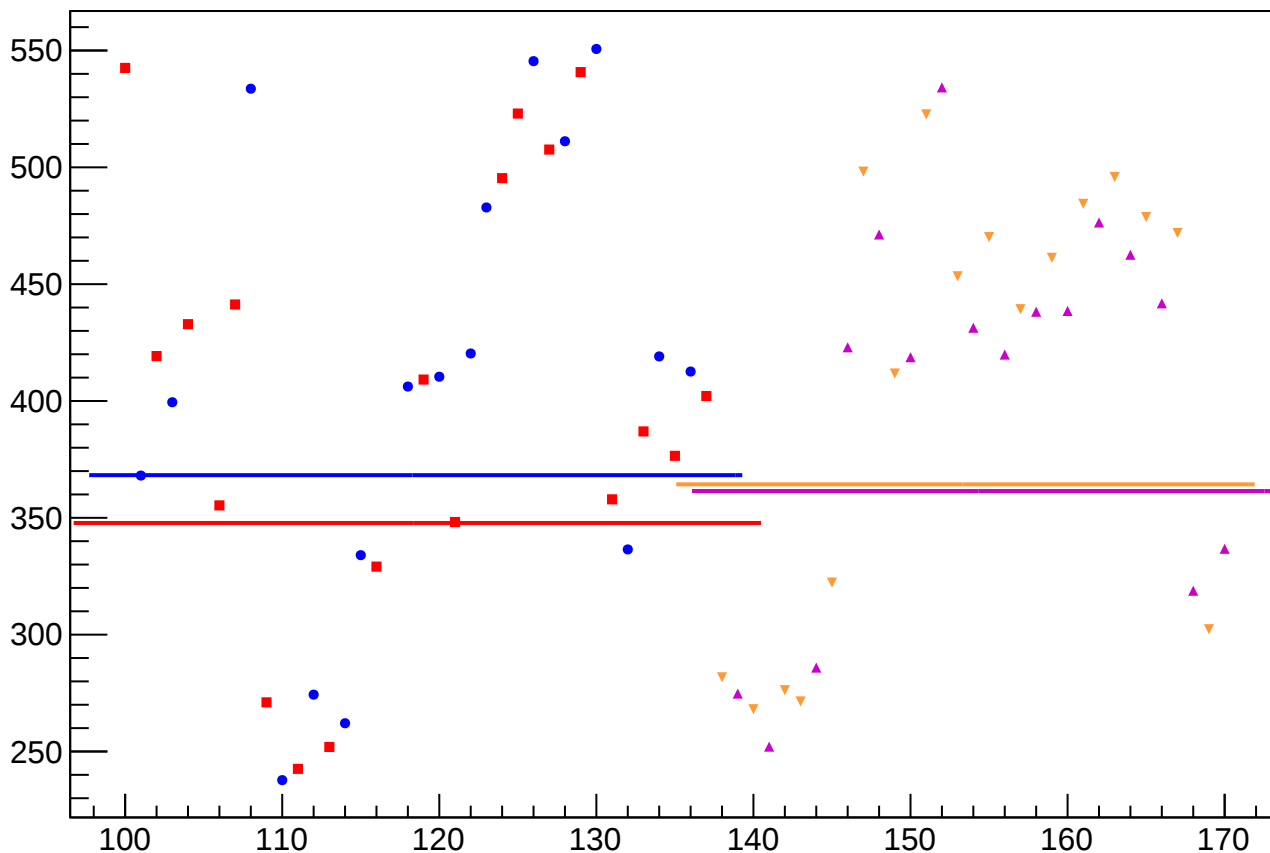
Left In: -305.311 ± 105.797 χ^2/NDF : 264.0/15

+ sign 319.603 ± 86.132 χ^2/NDF : 570.9/33

All: 156.485 ± 59.937 χ^2/NDF : 1005.6/68

- sign 3.335 ± 83.459 χ^2/NDF : 427.8/34

asym_bpm0r05WS_rms vs Slug



Right In: 368.264 $\pm$ 0.104 χ^2 /NDF: 770116.6/16

Left Out: 364.328 $\pm$ 0.075 χ^2 /NDF: 1538839.8/16

Right Out: 347.802 $\pm$ 0.096 χ^2 /NDF: 821862.5/18

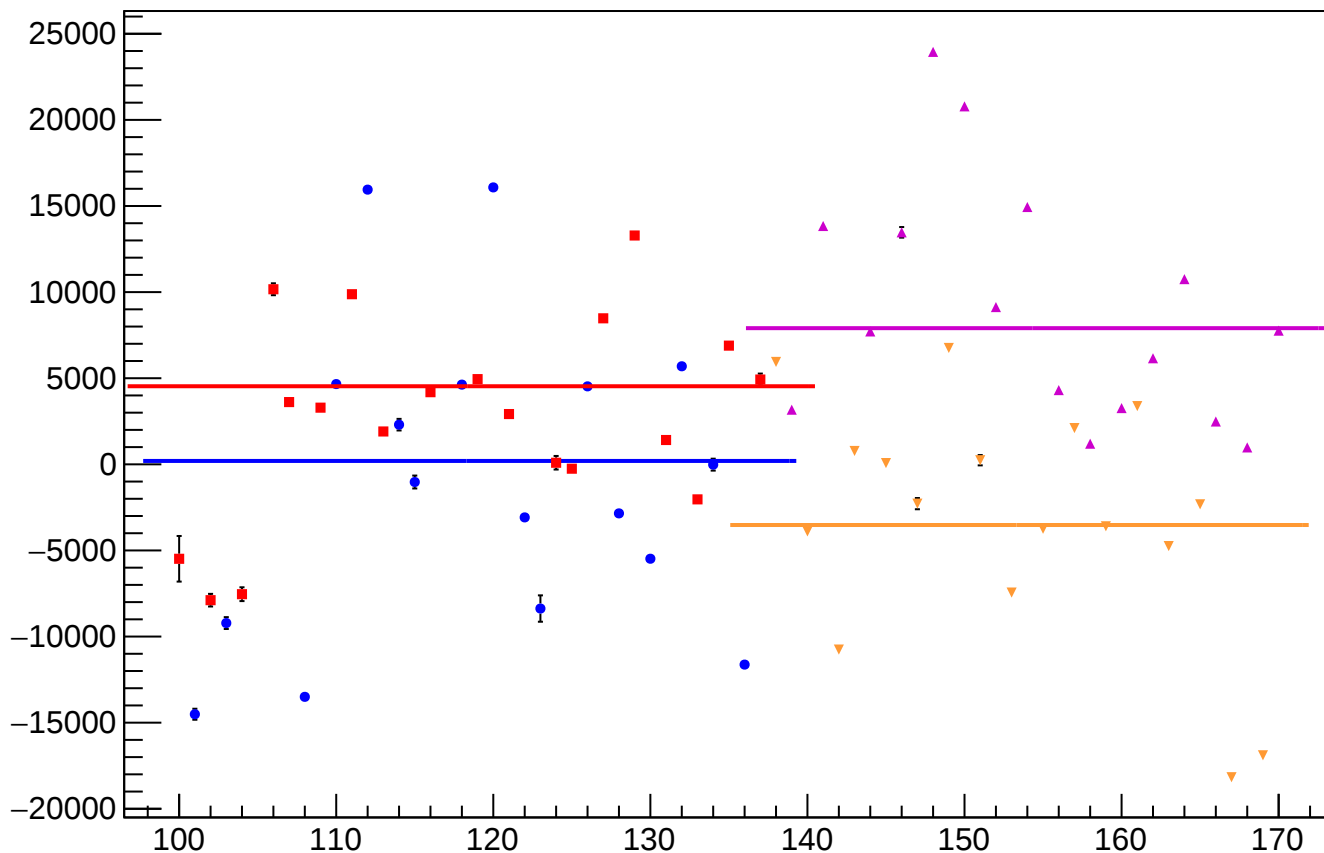
Left In: 361.468 $\pm$ 0.075 χ^2 /NDF: 1272707.1/15

+ sign 365.673 $\pm$ 0.061 χ^2 /NDF: 2309896.1/33

All: 360.842 $\pm$ 0.042 χ^2 /NDF: 4429269.3/68

- sign 356.306 $\pm$ 0.059 χ^2 /NDF: 2107173.8/34

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -3522.852+/-48.596 χ^2/NDF :19801.7/16

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

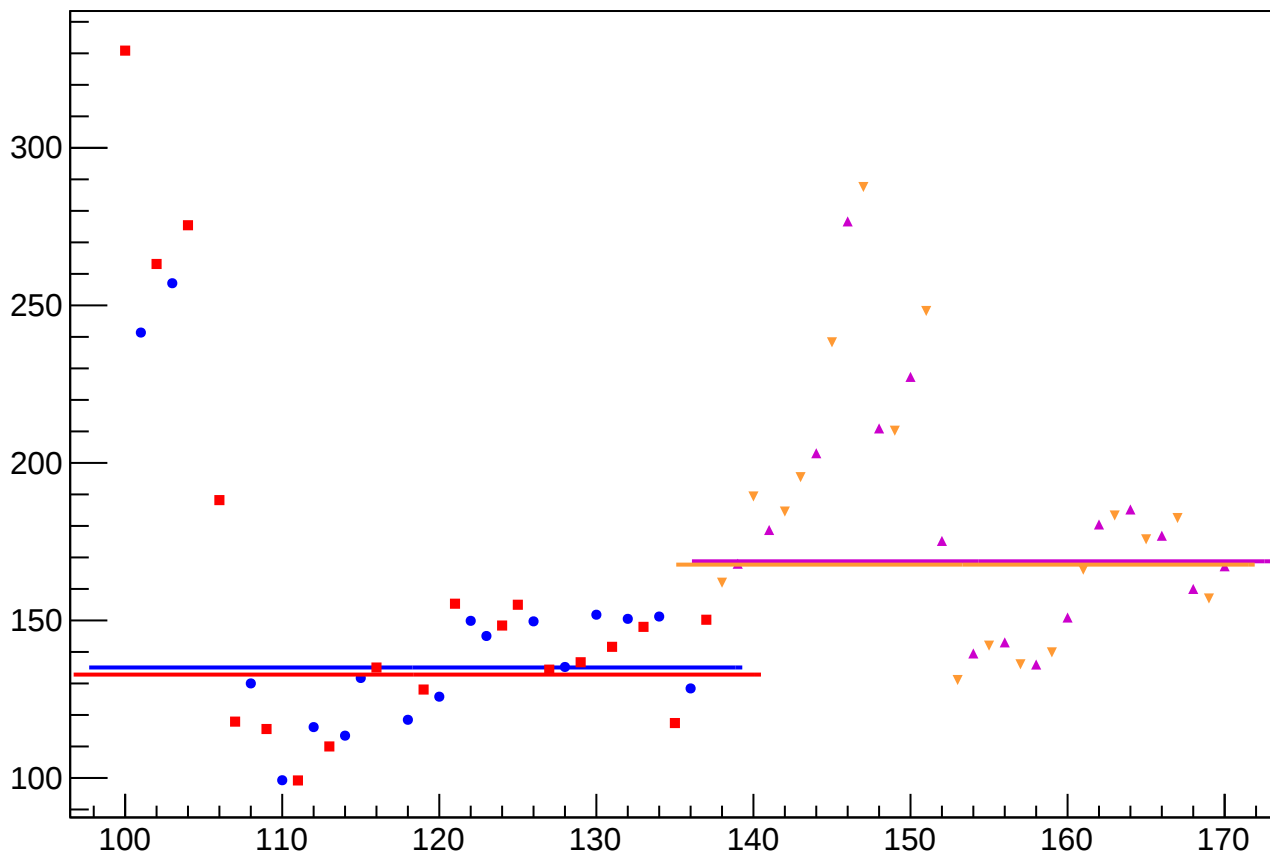
Left In: 7906.804+/-49.419 χ^2/NDF :16463.0/15

+ sign -1885.269+/-36.359 χ^2/NDF : 53039.4/33

All: 2261.793+/-25.572 χ^2/NDF : 104913.6/68

- sign 6321.138+/-35.972 χ^2/NDF : 26130.0/34

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 167.721+/-0.034 χ^2/NDF : 1020776.9/16

Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

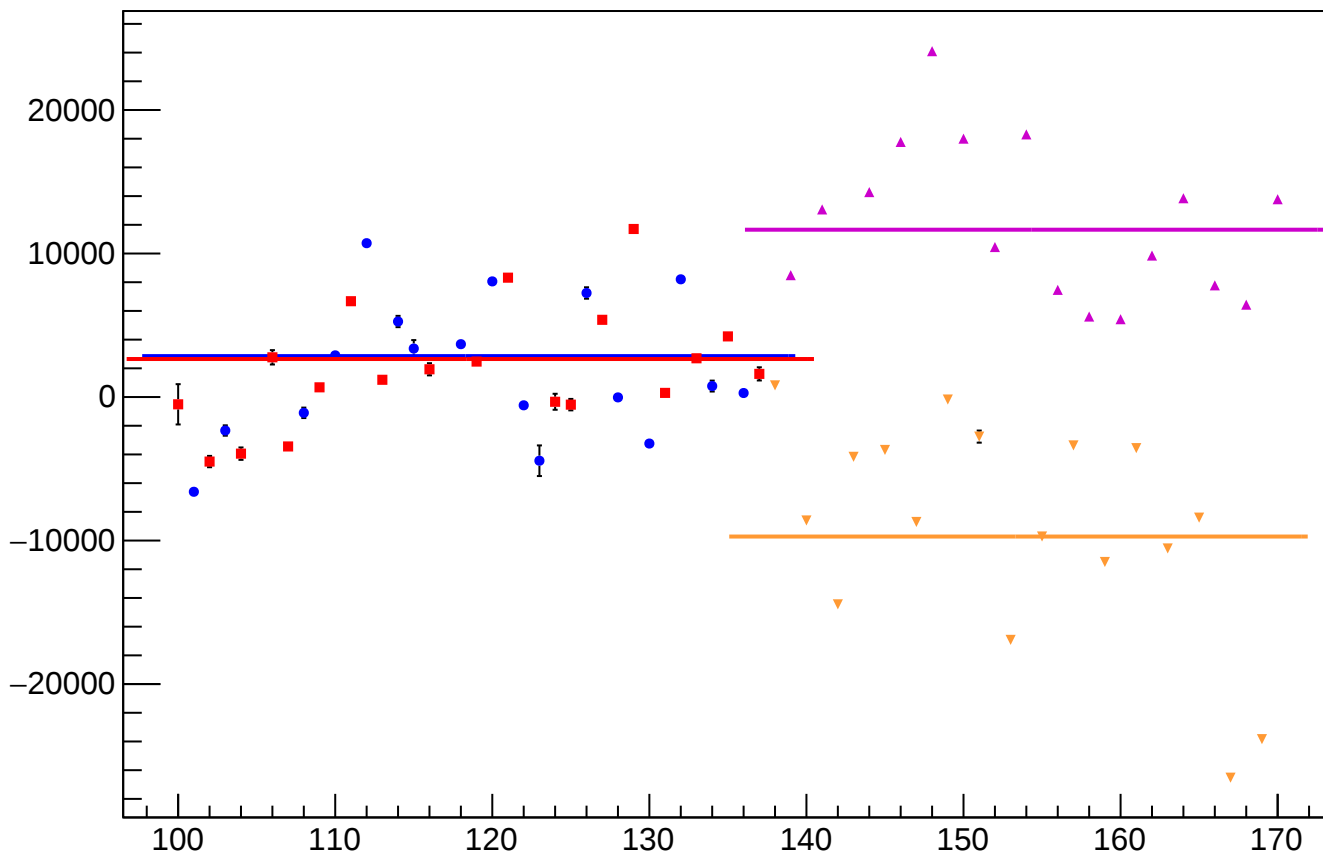
Left In: 168.771+/-0.035 χ^2/NDF : 736859.9/15

+ sign 153.348+/-0.026 χ^2/NDF : 2076892.5/33

All: 152.599+/-0.018 χ^2/NDF : 4144359.8/68

- sign 151.866+/-0.025 χ^2/NDF : 2065789.6/34

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -9720.201 $\pm$ 55.084 χ^2 /NDF:20854.8/16

Right Out: 2649.142 $\pm$ 65.731 χ^2 /NDF: 3175.7/18

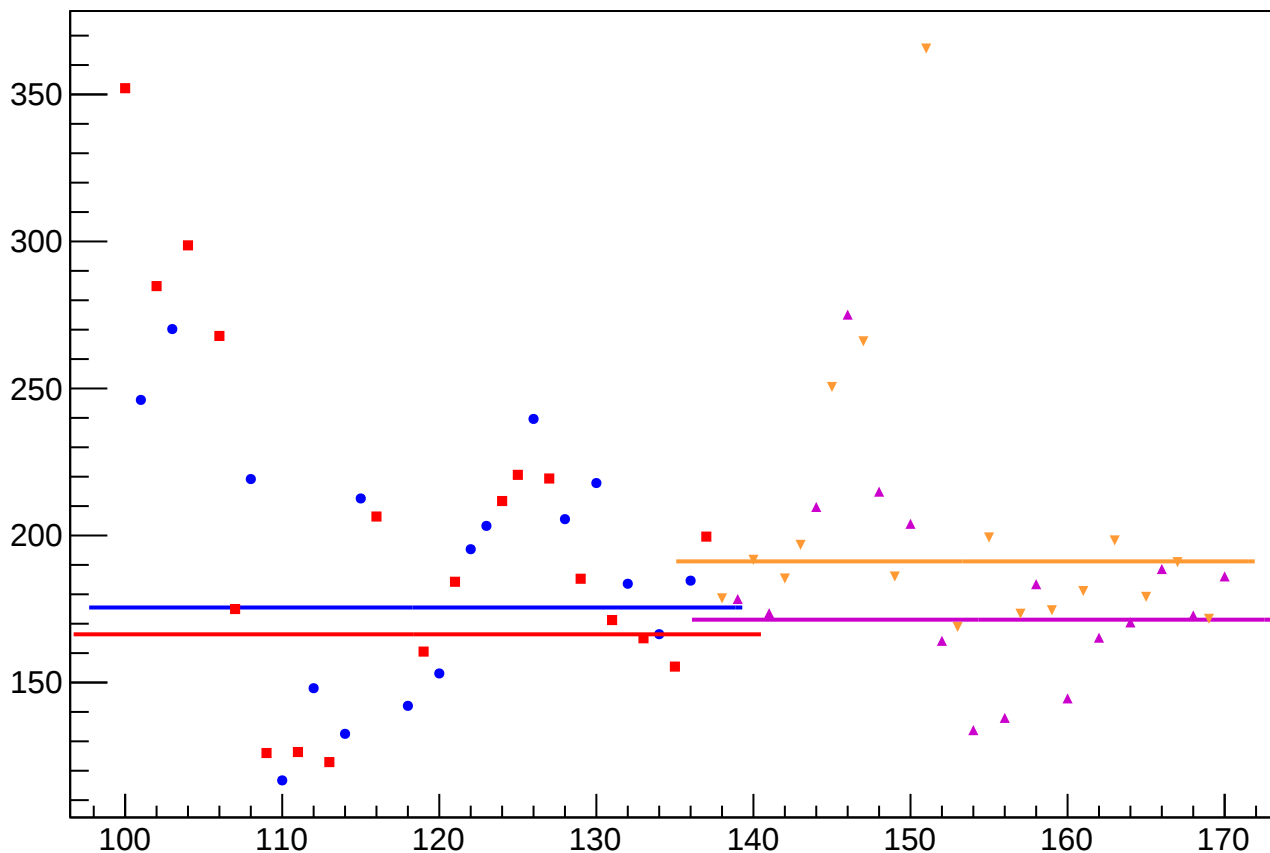
Left In: 11659.292 $\pm$ 50.229 χ^2 /NDF:10588.8/15

+ sign -4975.923 $\pm$ 43.465 χ^2 /NDF: 44689.7/33

All: 2247.401 $\pm$ 29.397 χ^2 /NDF: 121221.8/60

- sign 8337.592 $\pm$ 39.910 χ^2 /NDF: 25627.3/34

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 191.200+/-0.039 χ^2/NDF : 650099.6/16

Right Out: 166.393+/-0.046 χ^2/NDF : 929534.5/18

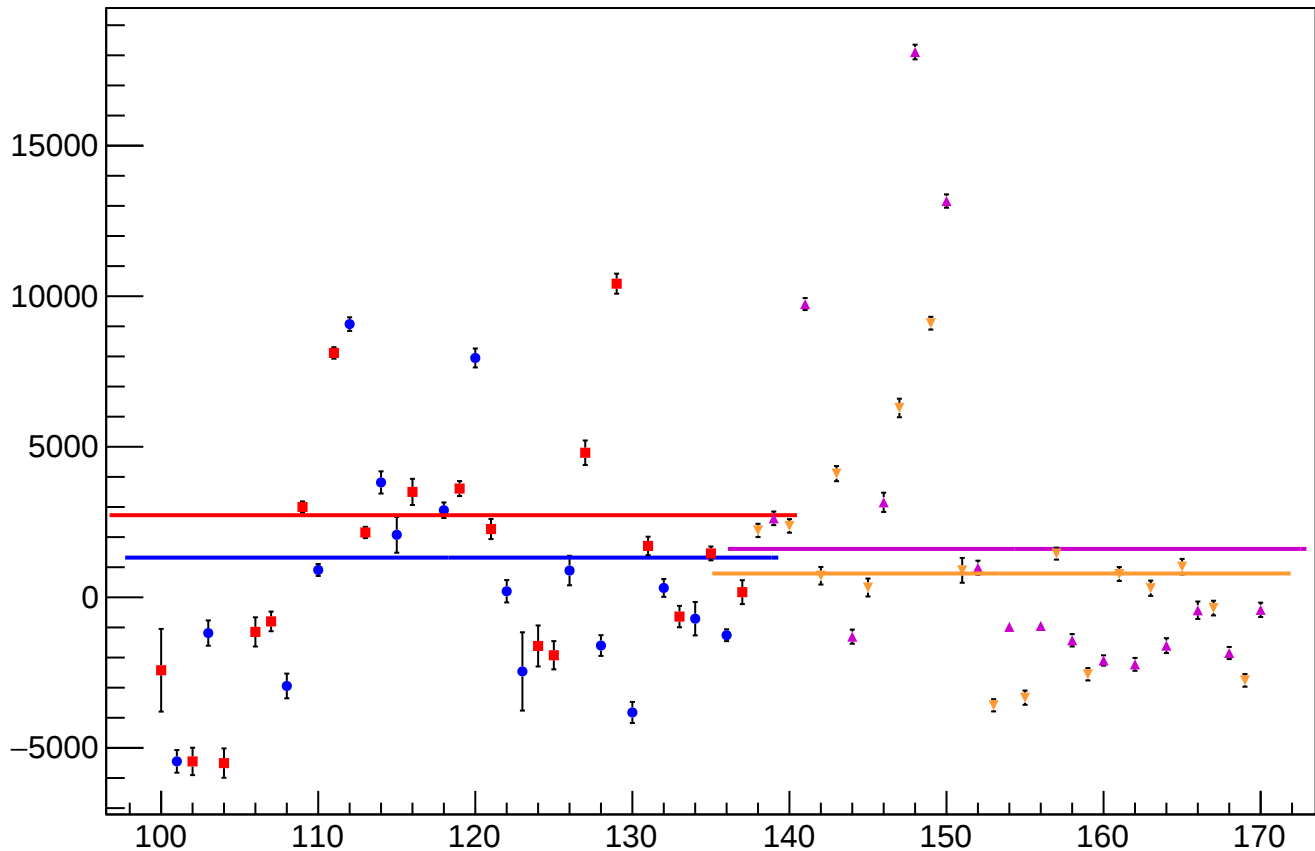
Left In: 171.369+/-0.036 χ^2/NDF : 696910.5/15

+ sign 185.281+/-0.031 χ^2/NDF : 1400945.6/33

All: 176.738+/-0.021 χ^2/NDF : 3177037.2/68

- sign 169.535+/-0.028 χ^2/NDF : 1633682.7/34

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 $\pm$ 77.146 χ^2 /NDF: 2667.0/16

Left Out: 791.421 $\pm$ 58.011 χ^2 /NDF:3465.2/16

Right Out: 2727.798 $\pm$ 70.029 χ^2 /NDF: 2495.9/18

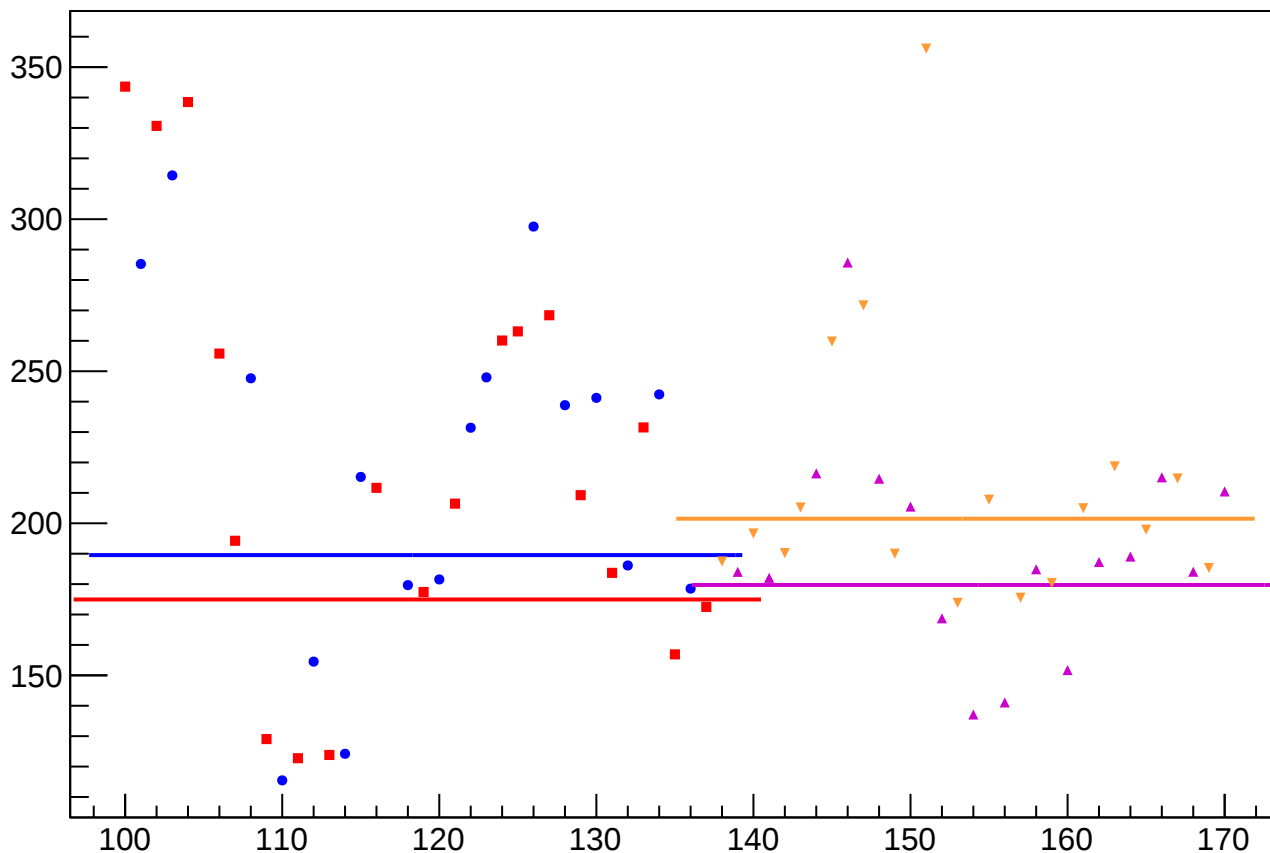
Left In: 1608.050 $\pm$ 52.747 χ^2 /NDF:11286.8/15

+ sign 981.990 $\pm$ 46.365 χ^2 /NDF: 6162.1/33

All: 1546.892 $\pm$ 31.181 χ^2 /NDF: 20379.0/68

- sign 2013.368 $\pm$ 42.133 χ^2 /NDF: 13945.9/34

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 201.512 $\pm$ 0.041 χ^2 /NDF: 600944.7/16

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

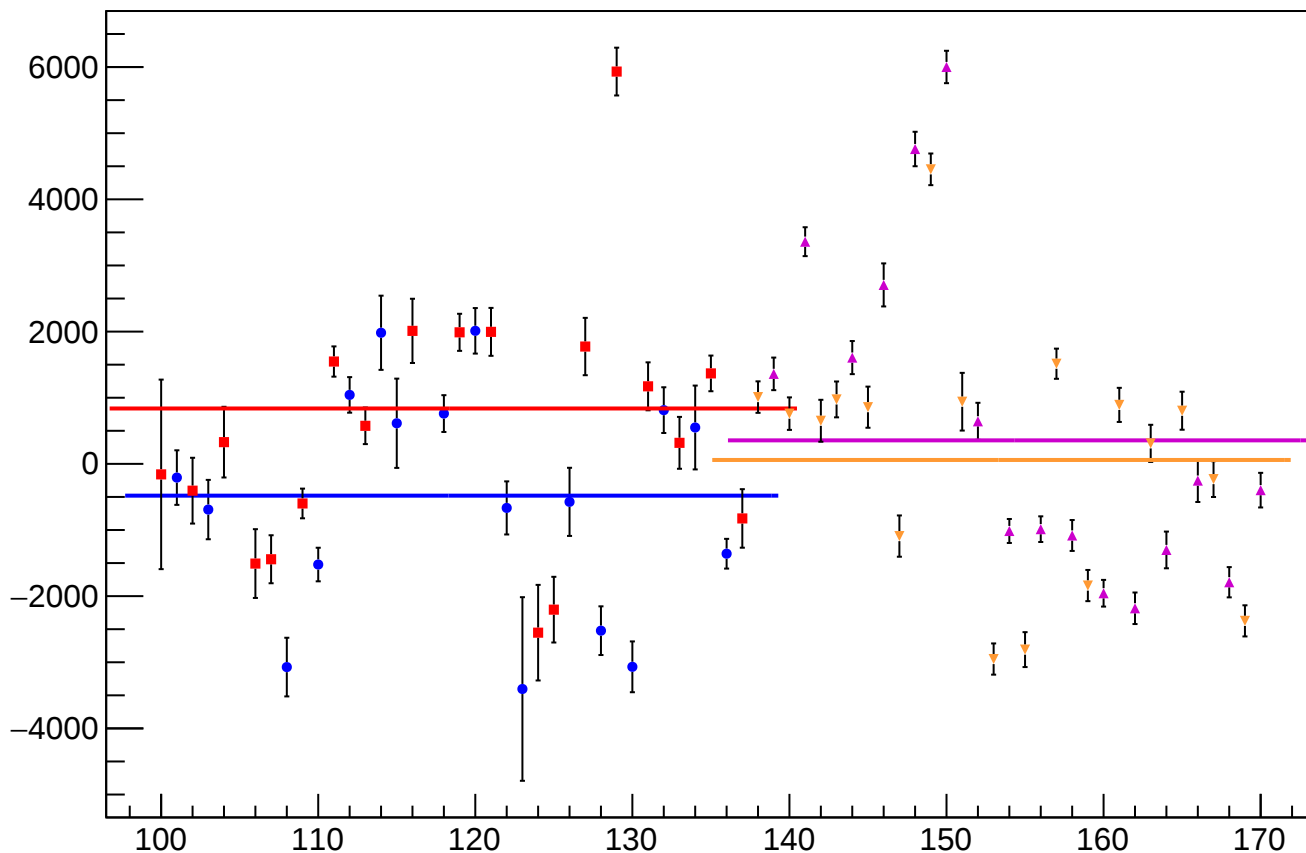
Left In: 179.714 $\pm$ 0.037 χ^2 /NDF: 737321.8/15

+ sign 197.189 $\pm$ 0.033 χ^2 /NDF: 1612432.8/33

All: 186.672 $\pm$ 0.022 χ^2 /NDF: 3840669.1/68

- sign 177.987 $\pm$ 0.030 χ^2 /NDF: 2040348.9/34

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 59.010 ± 64.268 χ^2/NDF : 912.7/16

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

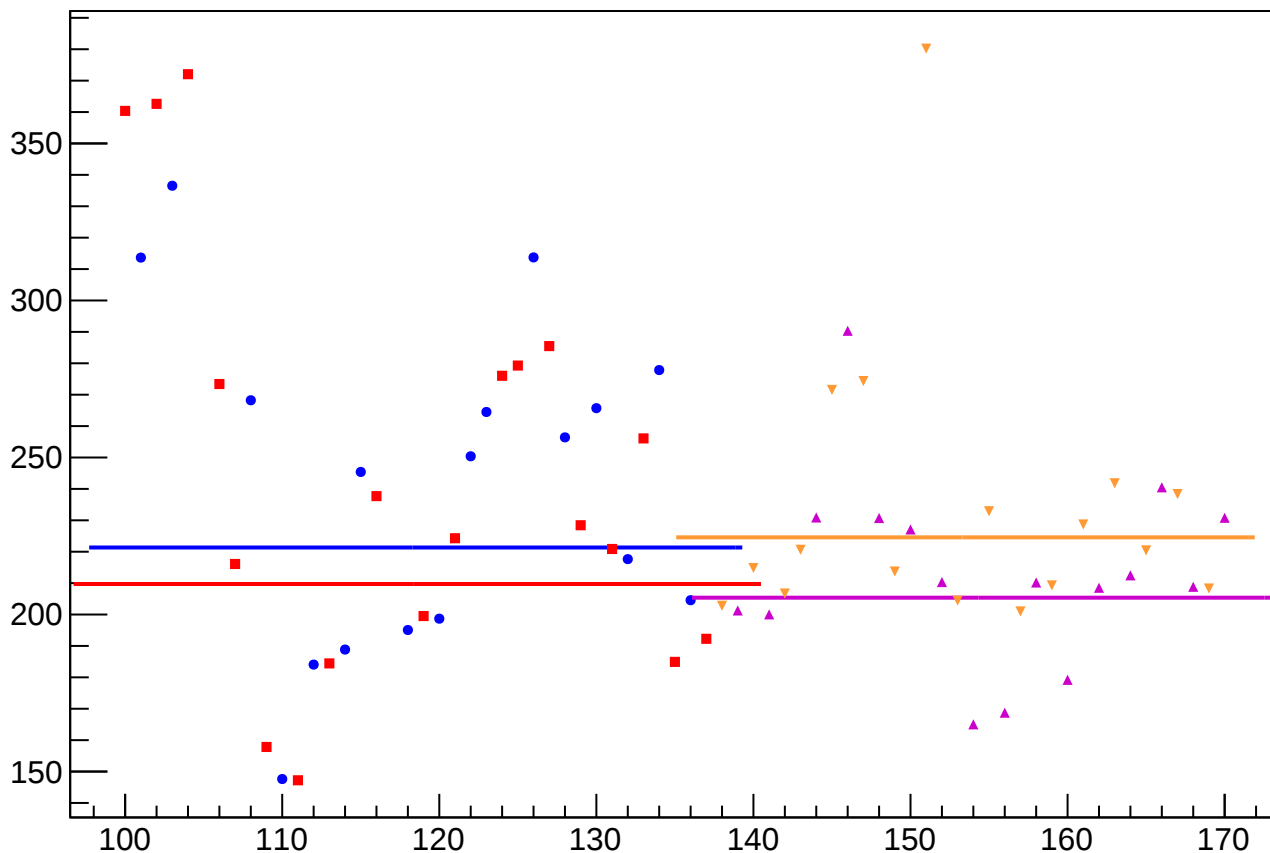
Left In: 355.426 ± 59.689 χ^2/NDF : 1623.9/15

+ sign -126.909 ± 52.031 χ^2/NDF : 1227.6/33

All: 221.446 ± 35.402 χ^2/NDF : 3392.8/68

- sign 521.725 ± 48.307 χ^2/NDF : 2081.7/34

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 224.576 $\pm$ 0.045 χ^2 /NDF: 451291.9/16

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

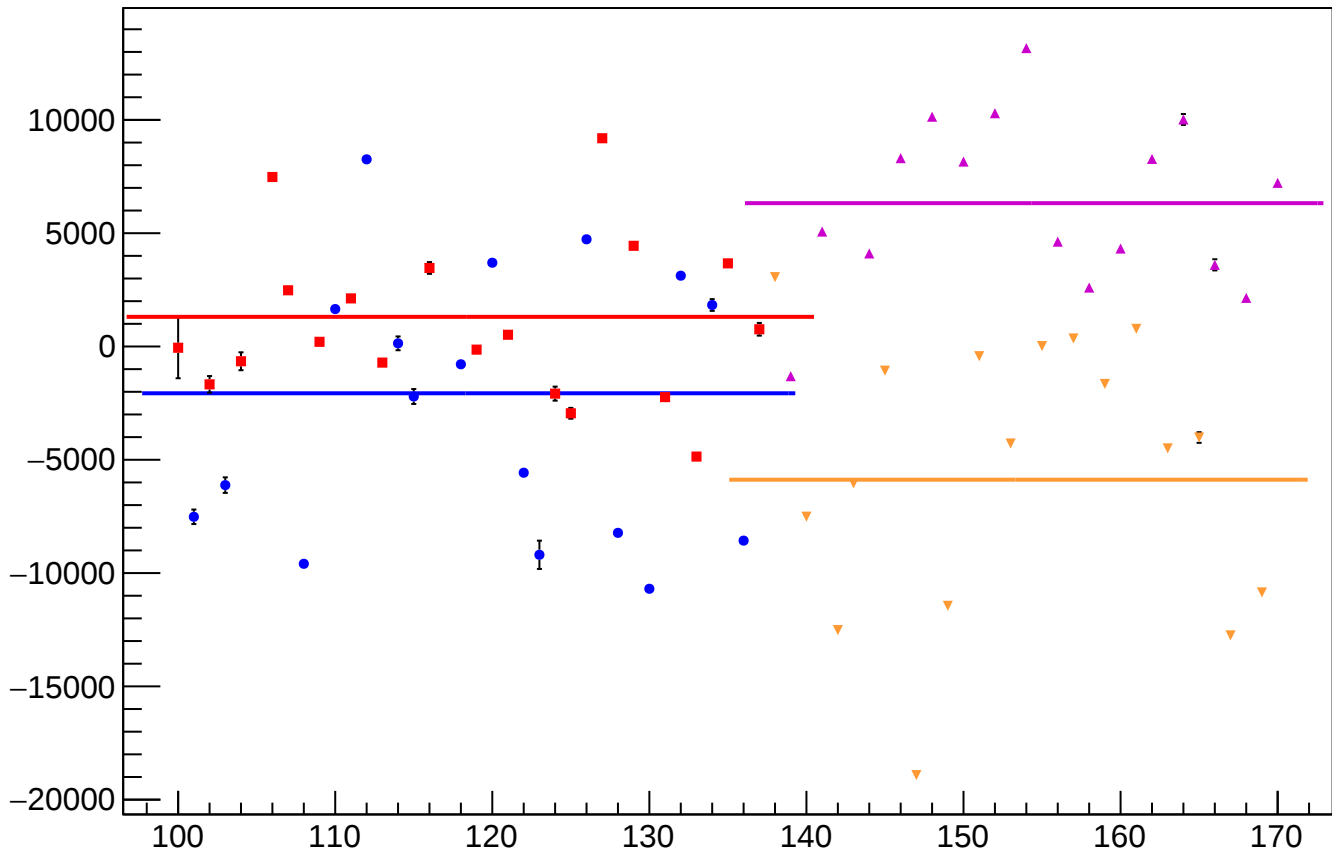
Left In: 205.363 $\pm$ 0.042 χ^2 /NDF: 443560.5/15

+ sign 223.462 $\pm$ 0.037 χ^2 /NDF: 1098724.4/33

All: 214.548 $\pm$ 0.025 χ^2 /NDF: 2539159.2/68

- sign 206.865 $\pm$ 0.034 χ^2 /NDF: 1331149.0/34

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 χ^2/NDF : 16533.3/16

Left Out: -5878.738 ± 36.689 χ^2/NDF : 30027.5/16

Right Out: 1308.512 ± 45.001 χ^2/NDF : 5894.4/18

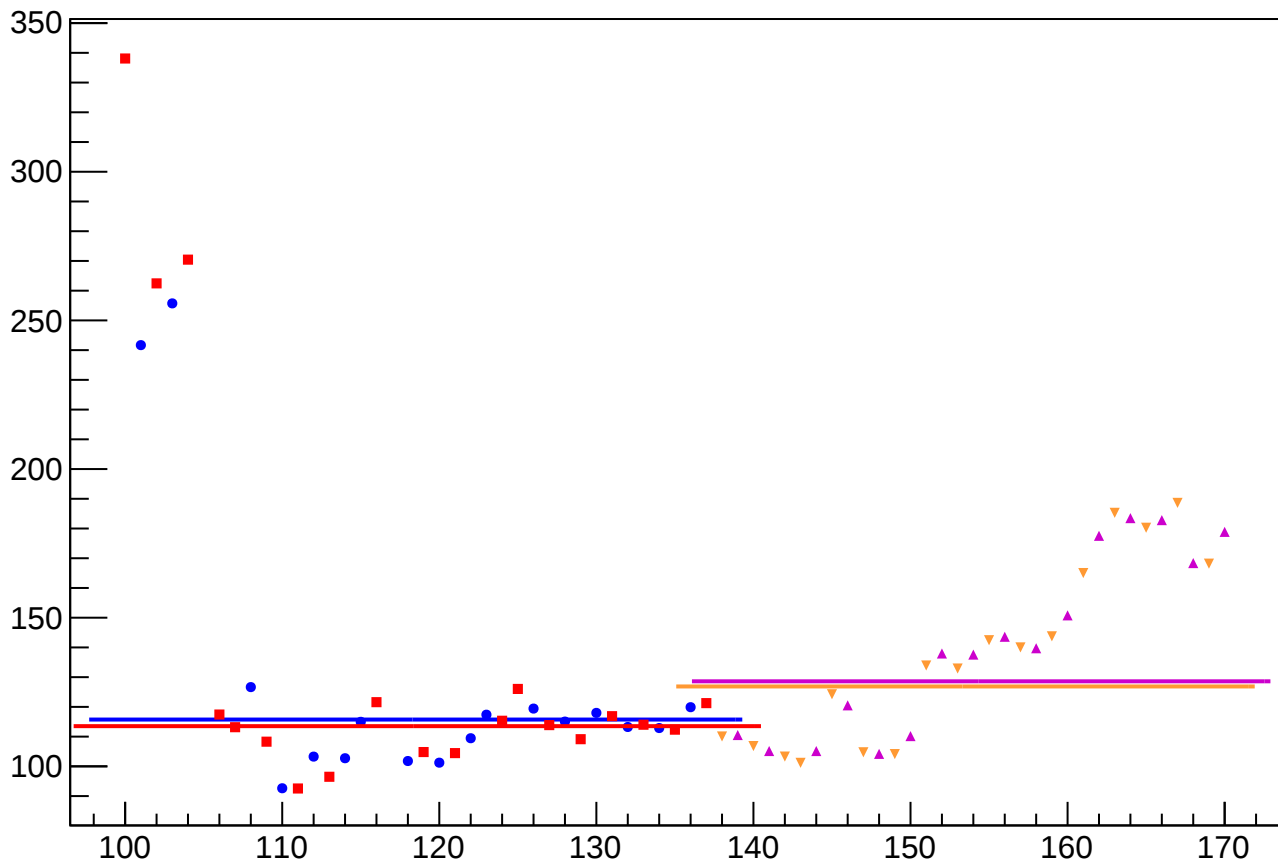
Left In: 6325.366 ± 37.434 χ^2/NDF : 9649.1/15

+ sign -4447.029 ± 28.995 χ^2/NDF : 50617.0/33

All: -54.036 ± 20.426 χ^2/NDF : 119073.9/68

- sign 4273.602 ± 28.779 χ^2/NDF : 22889.1/34

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 126.871 ± 0.026 χ^2/NDF : 1015591.8/16

Right Out: 113.519 ± 0.032 χ^2/NDF : 796640.6/18

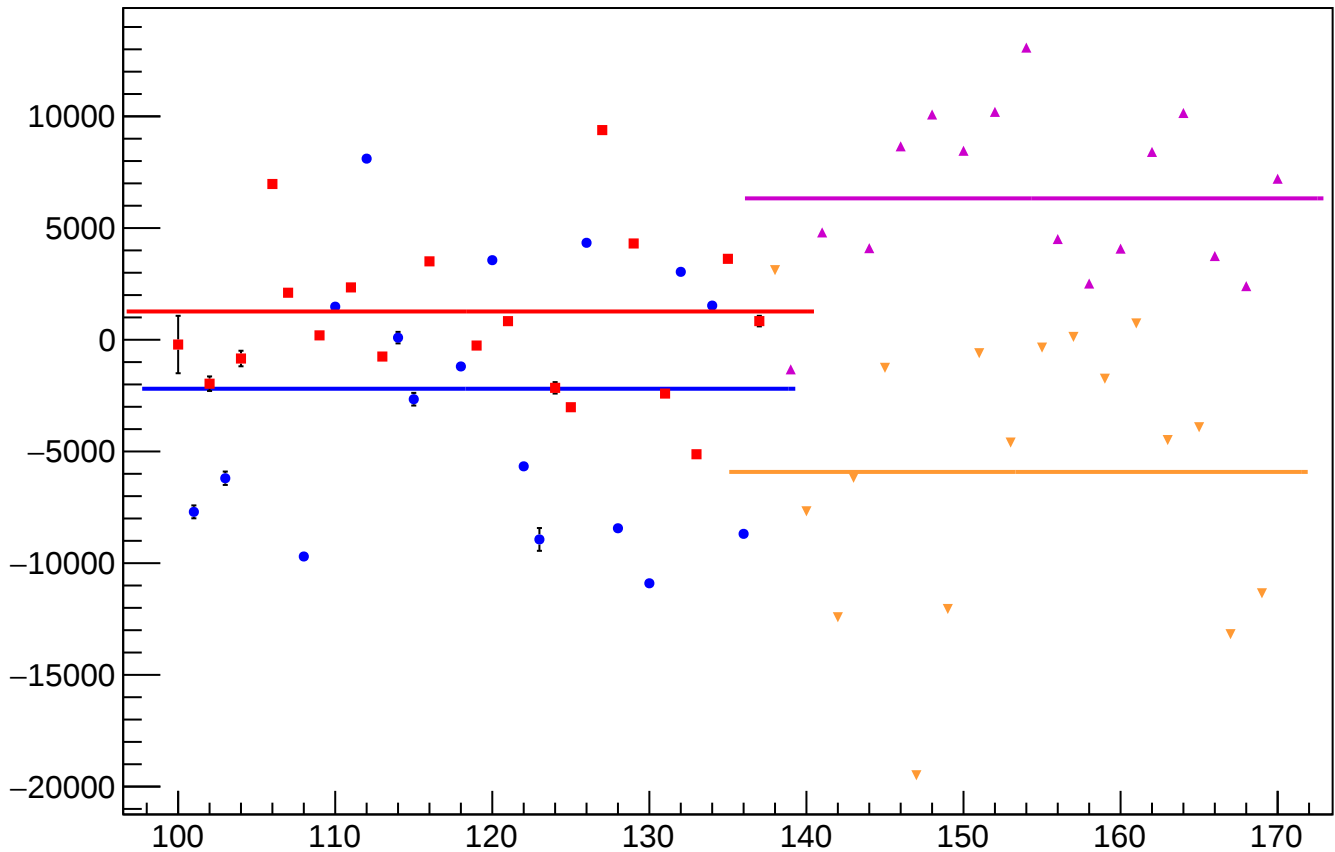
Left In: 128.604 ± 0.026 χ^2/NDF : 950273.2/15

+ sign 122.693 ± 0.021 χ^2/NDF : 1828721.0/33

All: 122.563 ± 0.014 χ^2/NDF : 3708547.1/68

- sign 122.435 ± 0.020 χ^2/NDF : 1879746.6/34

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 $\pm$ 39.944 χ^2 /NDF: 22813.5/16

Left Out: -5915.499 $\pm$ 33.192 χ^2 /NDF:36830.9/16

Right Out: 1266.189 $\pm$ 38.048 χ^2 /NDF: 8550.5/18

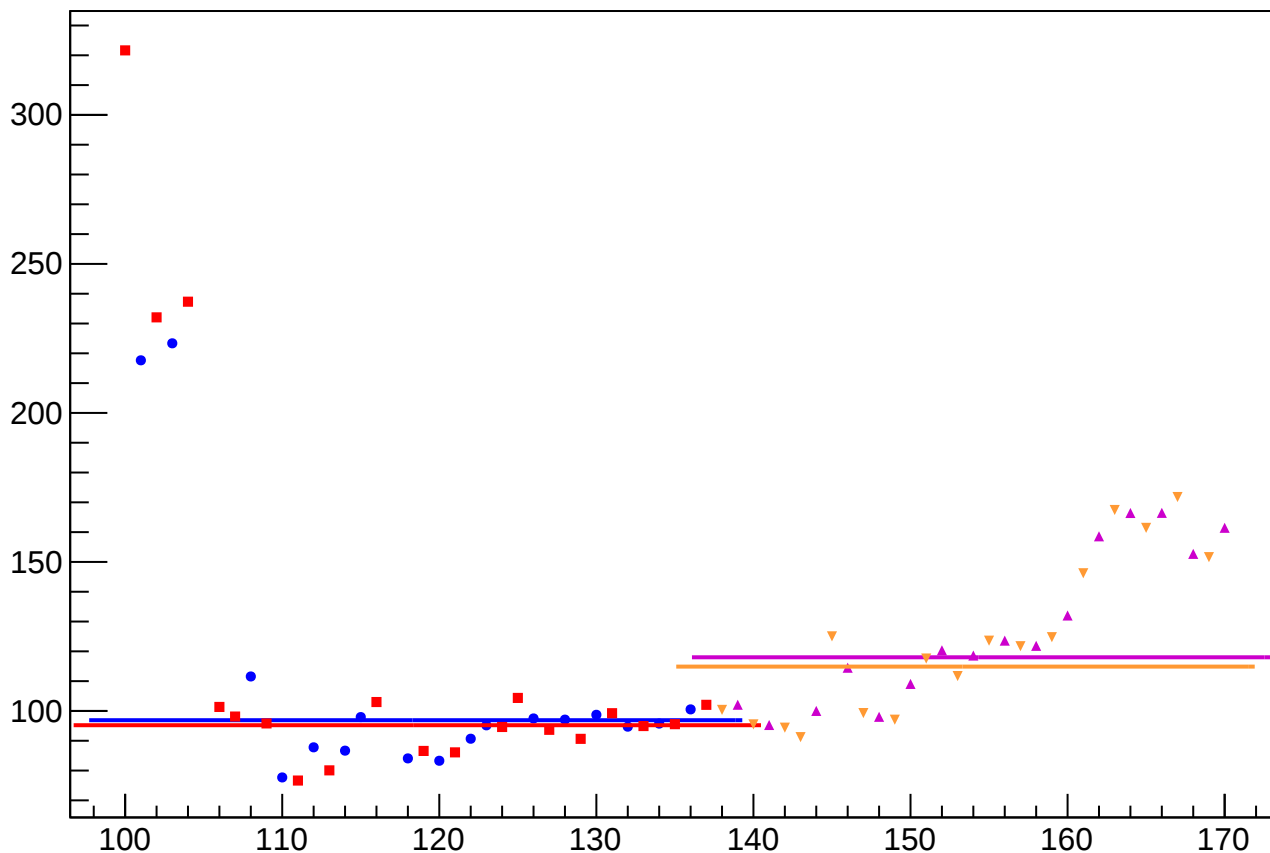
Left In: 6328.793 $\pm$ 34.253 χ^2 /NDF:11942.4/15

+ sign -4394.724 $\pm$ 25.529 χ^2 /NDF: 64783.7/33

All: -154.157 $\pm$ 18.026 χ^2 /NDF: 150085.7/68

- sign 4062.534 $\pm$ 25.457 χ^2 /NDF: 30272.0/34

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 114.881+/-0.023 χ^2/NDF : 919953.3/16

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

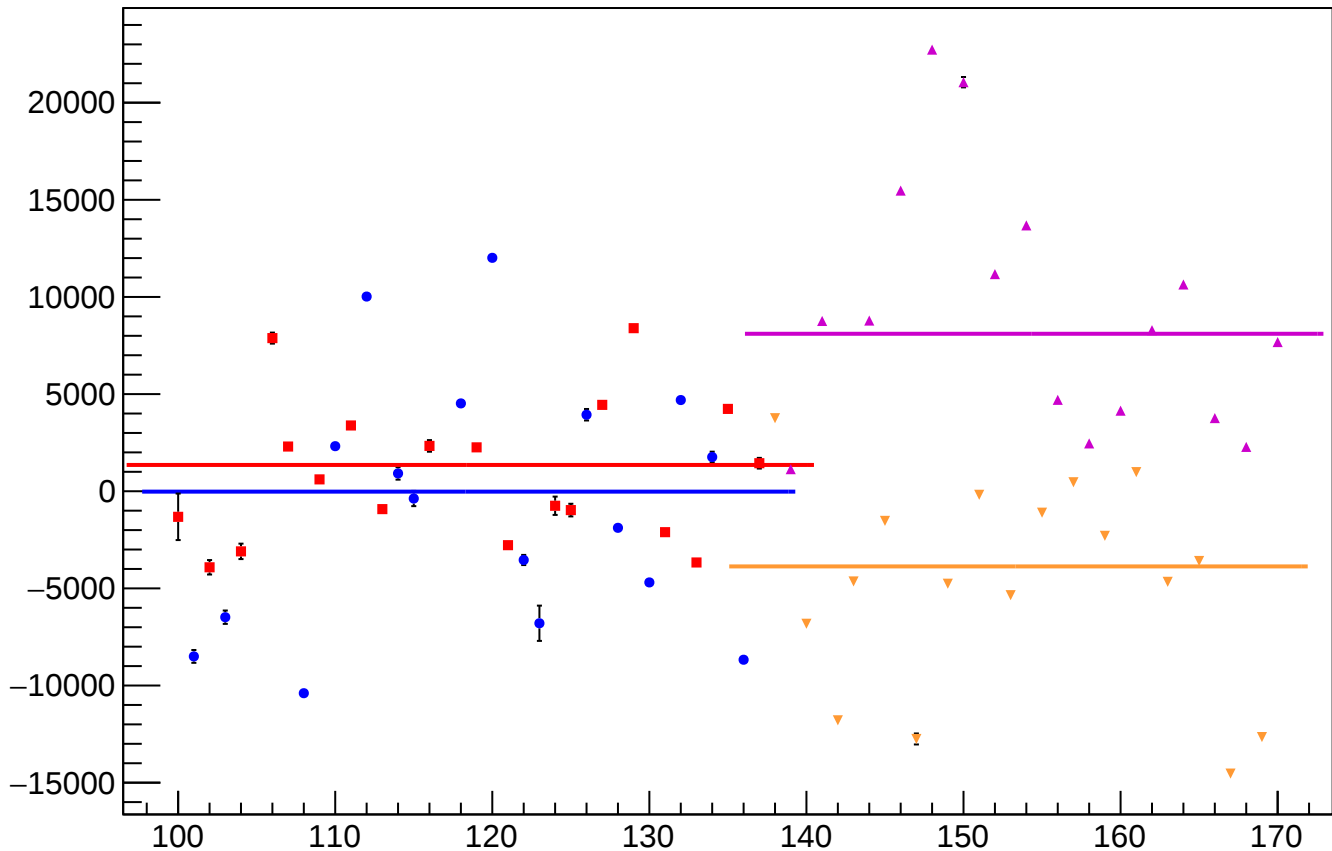
Left In: 118.006+/-0.024 χ^2/NDF : 770407.2/15

+ sign 107.534+/-0.018 χ^2/NDF : 1977075.4/33

All: 107.669+/-0.013 χ^2/NDF : 4003820.8/68

- sign 107.803+/-0.018 χ^2/NDF : 2026634.0/34

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -3869.232 ± 45.729 χ^2/NDF : 11656.4/16

Right Out: 1353.461 ± 52.367 χ^2/NDF : 3837.2/18

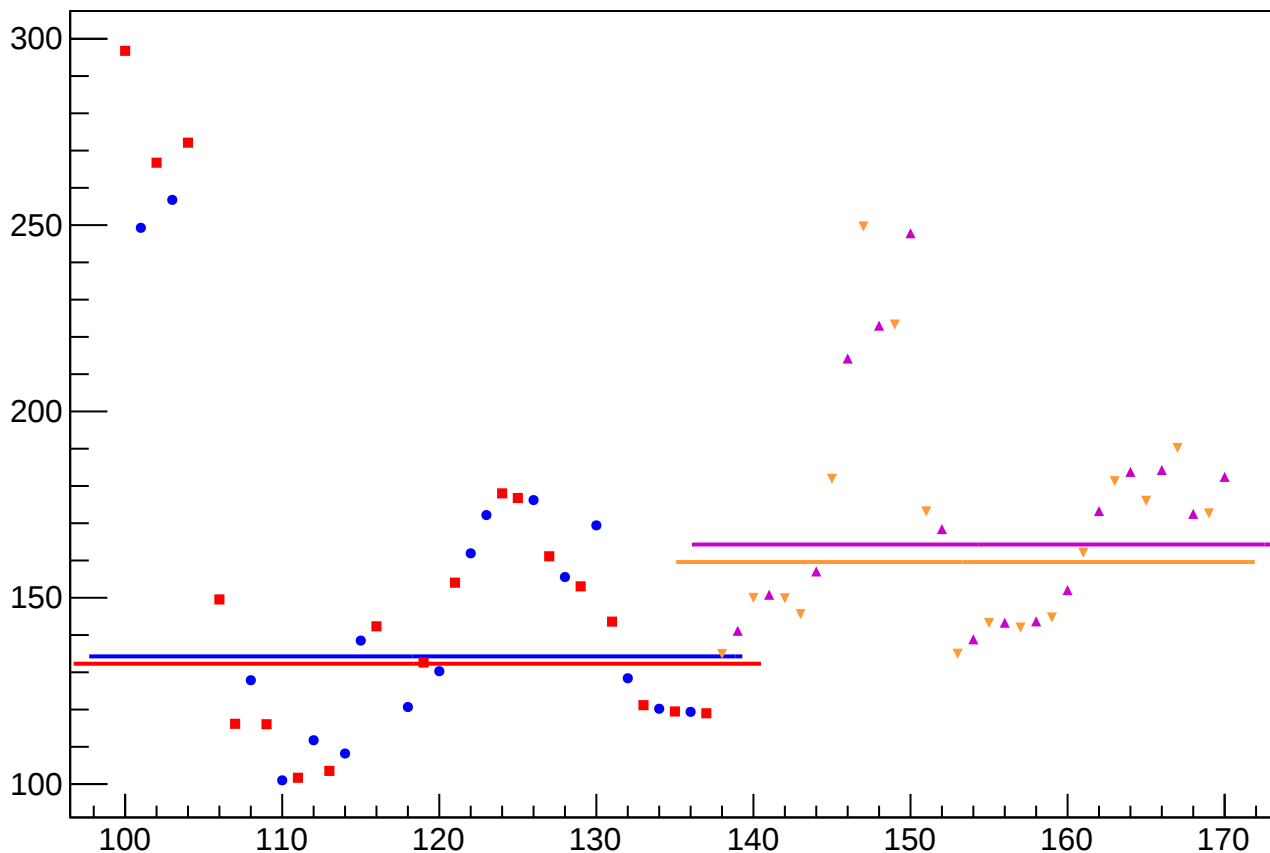
Left In: 8104.825 ± 47.548 χ^2/NDF : 13434.0/15

+ sign -2283.795 ± 35.069 χ^2/NDF : 30935.8/33

All: 1371.229 ± 24.844 χ^2/NDF : 79125.1/68

- sign 5054.006 ± 35.202 χ^2/NDF : 26381.7/34

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 $\pm$ 0.039 χ^2 /NDF: 788647.0/16

Left Out: 159.583 $\pm$ 0.032 χ^2 /NDF: 630045.6/16

Right Out: 132.302 $\pm$ 0.037 χ^2 /NDF: 869892.7/18

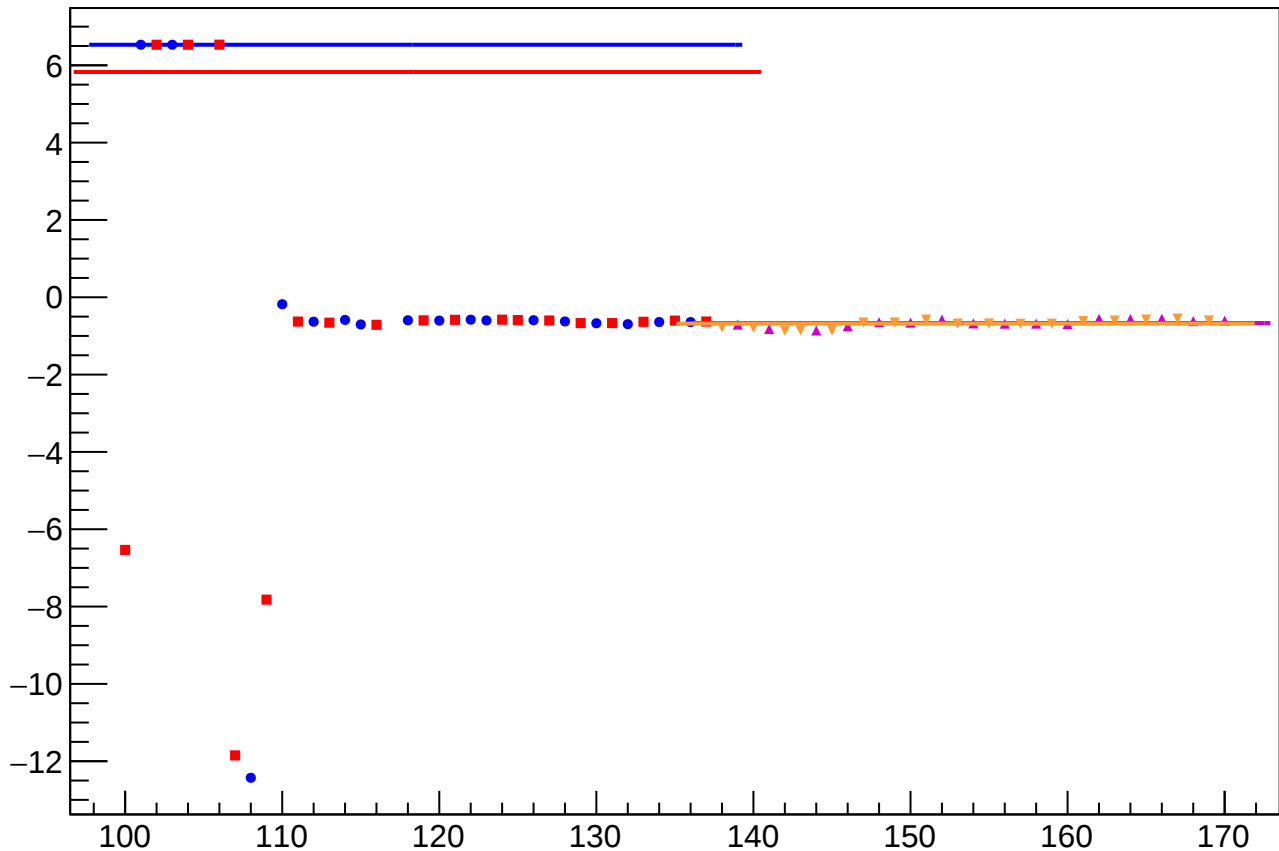
Left In: 164.290 $\pm$ 0.034 χ^2 /NDF: 625546.3/15

+ sign 149.156 $\pm$ 0.025 χ^2 /NDF: 1671159.2/33

All: 149.495 $\pm$ 0.018 χ^2 /NDF: 3576020.7/68

- sign 149.836 $\pm$ 0.025 χ^2 /NDF: 1904487.8/34

yield_cav4bX_mean vs Slug



Right In: 6.532 ± 0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.682 ± 0.000 χ^2/NDF : 126273658.0/16

+ sign 6.531 ± 0.000 χ^2/NDF : 730002898583.8/33

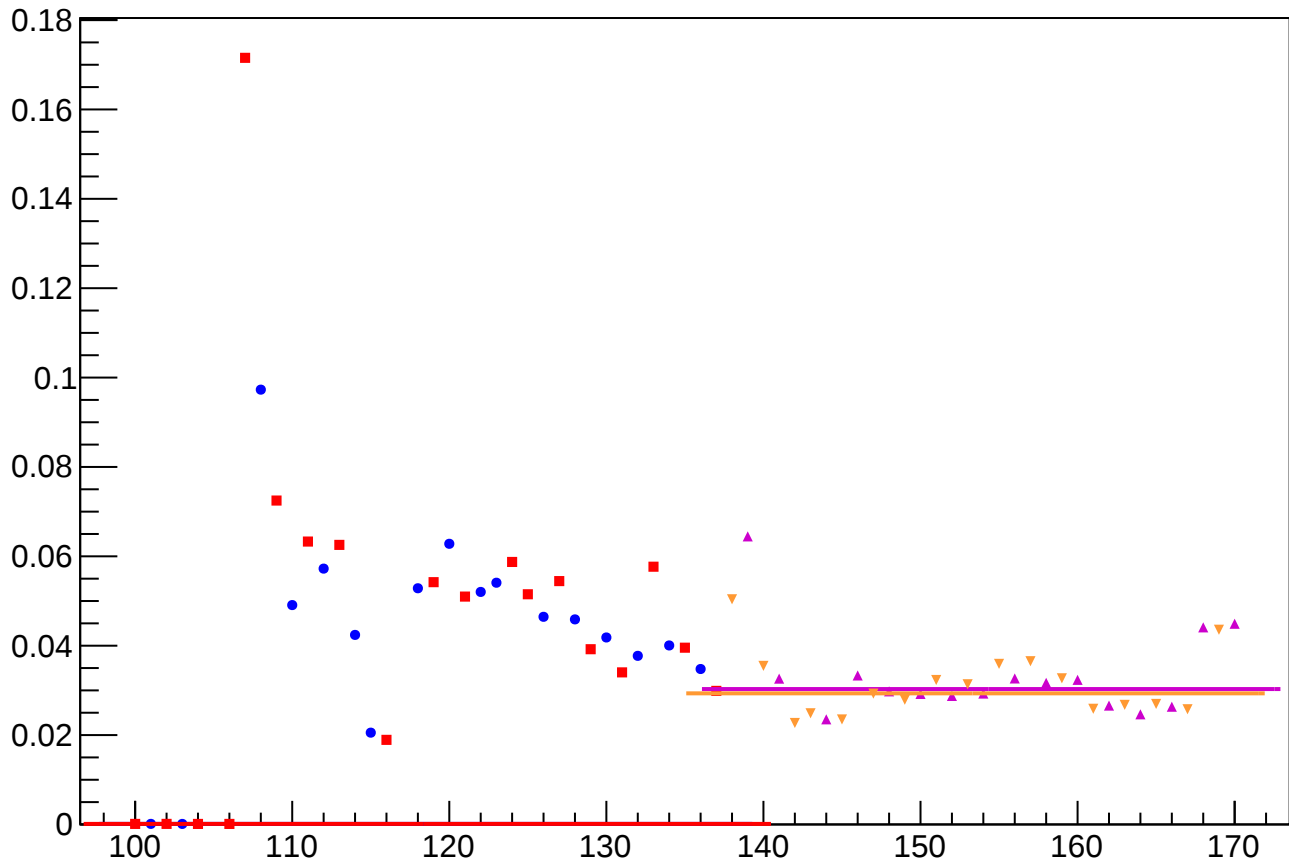
Right Out: 5.827 ± 0.000 χ^2/NDF : 755948646460090.5/18

All: 6.154 ± 0.000 χ^2/NDF : 77712003036857

Left In: -0.667 ± 0.000 χ^2/NDF : 96436711.4/15

- sign 5.827 ± 0.000 χ^2/NDF : 756401249547575.9/18

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.029+/-0.000 χ^2/NDF : 727095.0/16

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

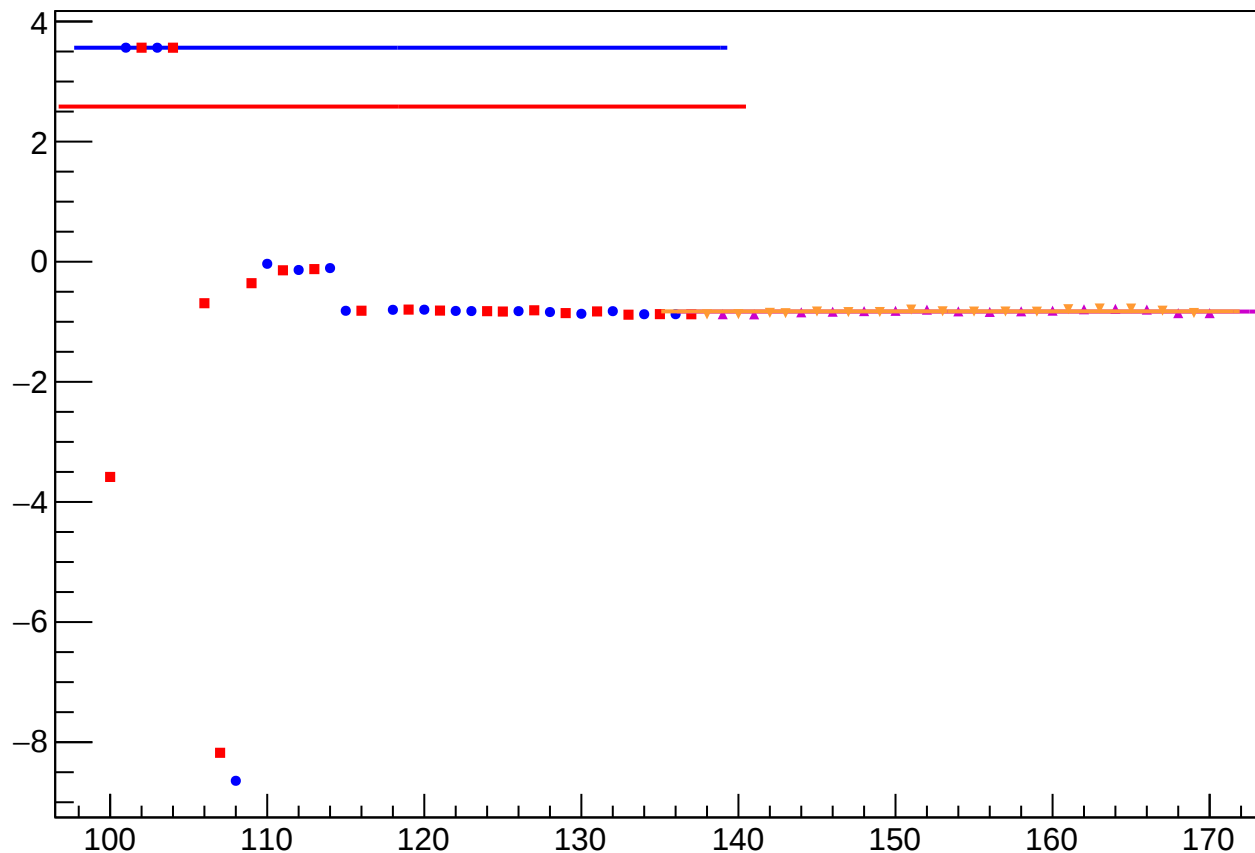
Left In: 0.030+/-0.000 χ^2/NDF : 883106.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 29502853.9/33

All: 0.000+/-0.000 χ^2/NDF : 59300252.6/68

- sign 0.000+/-0.000 χ^2/NDF : 29796890.6/34

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.827+/-0.000 χ^2/NDF : 130574965.9/16

Right Out: 2.583+/-0.000 χ^2/NDF : 1253505323583154.2/18

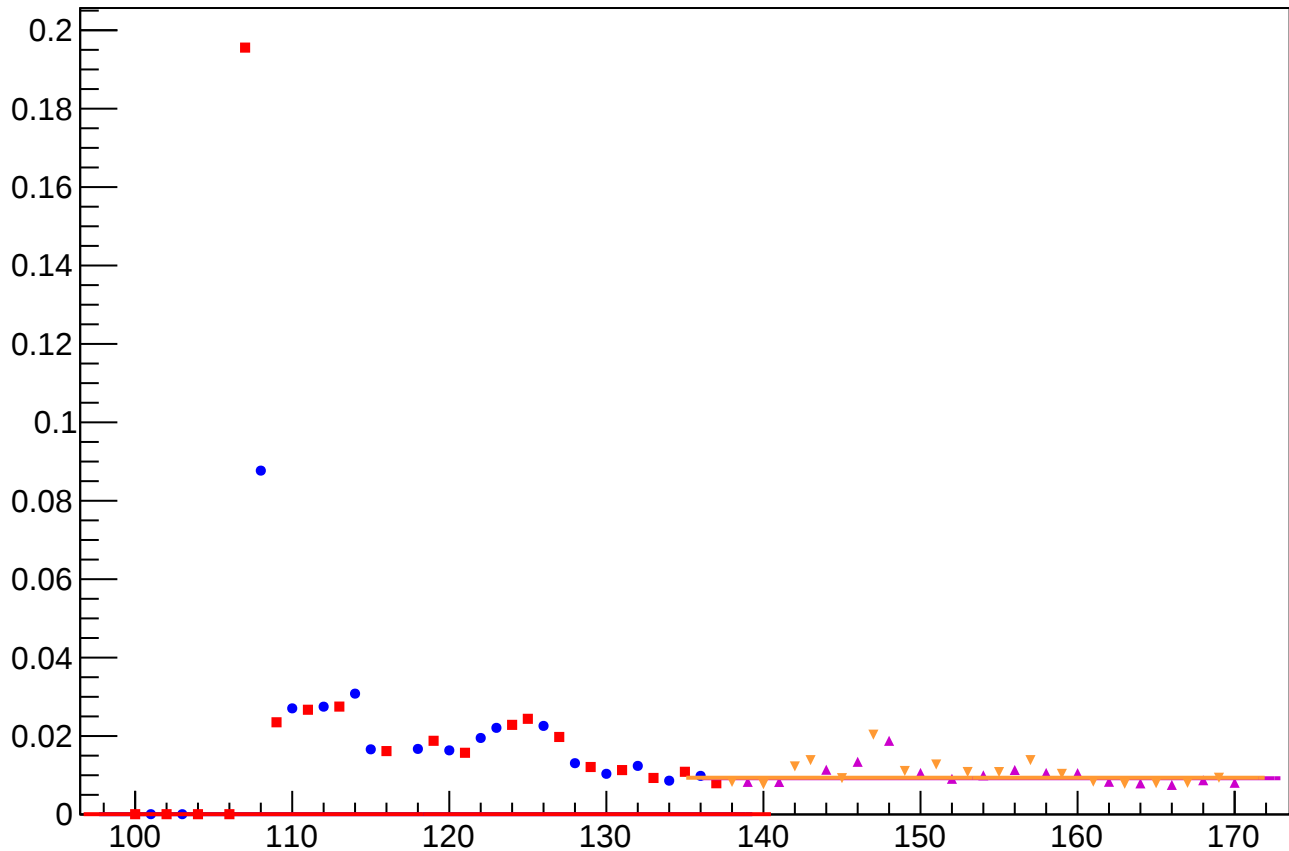
Left In: -0.830+/-0.000 χ^2/NDF : 116594977.6/15

+ sign 3.561+/-0.000 χ^2/NDF : 2696096453740.7/33

All: 3.039+/-0.000 χ^2/NDF : 13857422278618

- sign 2.582+/-0.000 χ^2/NDF : 1254878017226377.8

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.009+/-0.000 χ^2/NDF :1059703.4/16

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

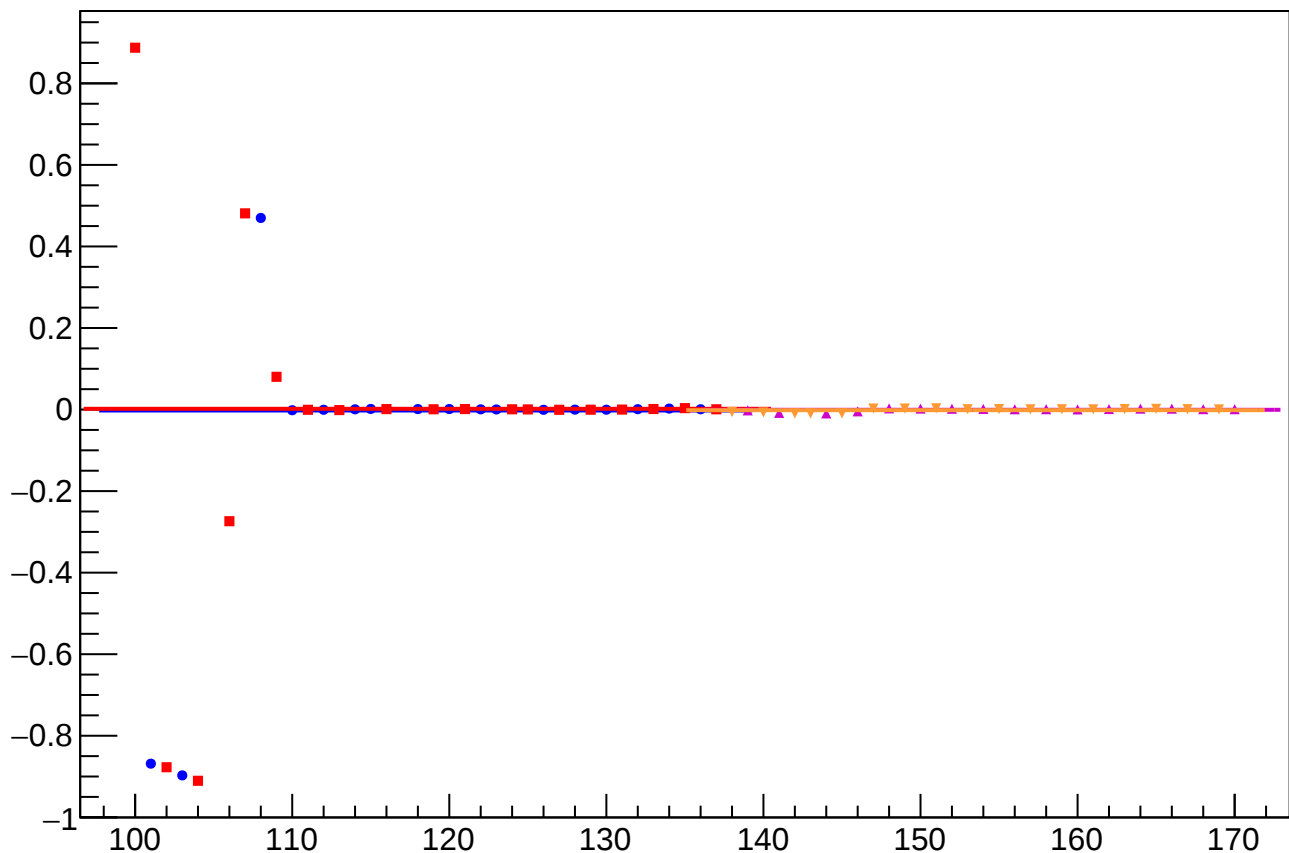
Left In: 0.009+/-0.000 χ^2/NDF :790680.6/15

+ sign 0.000+/-0.000 χ^2/NDF : 30716783.5/33

All: 0.000+/-0.000 χ^2/NDF : 61180651.4/68

- sign 0.000+/-0.000 χ^2/NDF : 30463255.2/34

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.002+/-0.000 χ^2/NDF : 92984595.9/16

Right Out: 0.002+/-0.000 χ^2/NDF : 3041331104.7/18

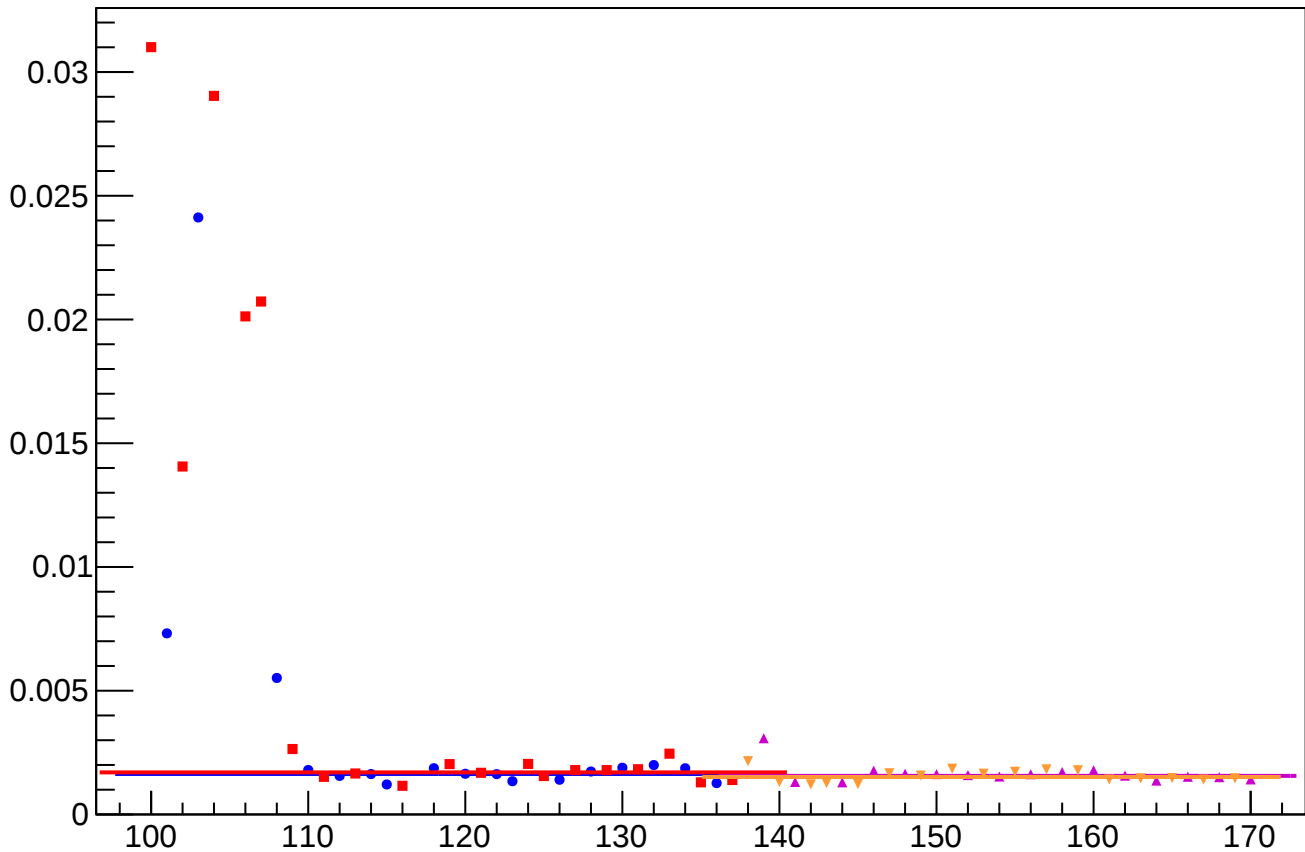
Left In: -0.001+/-0.000 χ^2/NDF : 67344567.4/15

+ sign -0.002+/-0.000 χ^2/NDF : 9889092859.0/33

All: -0.001+/-0.000 χ^2/NDF : 13014165147.9/34

- sign 0.000+/-0.000 χ^2/NDF : 3115365809.5/34

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1919127.9/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 429899.6/16

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

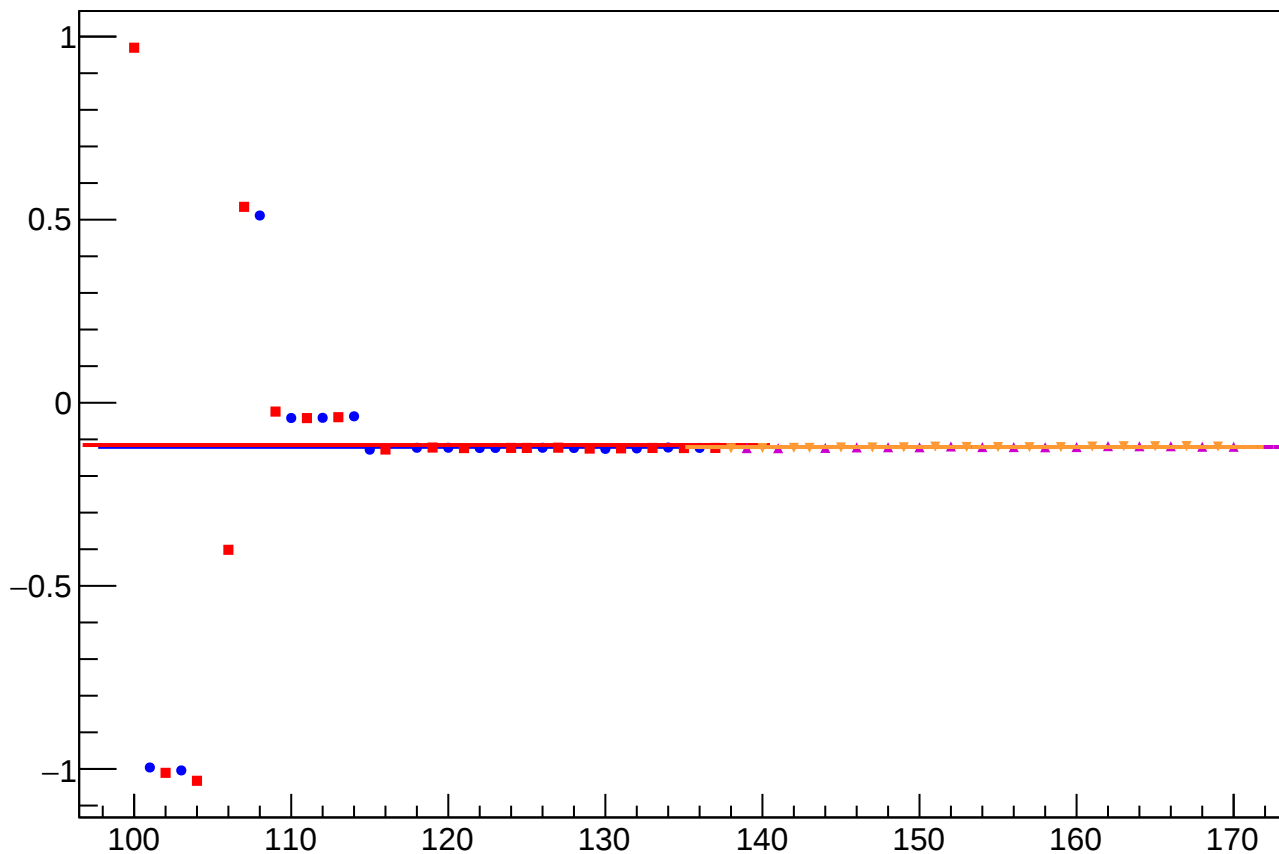
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 515618.8/15

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2385694.9/33

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5985562.5/68

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3585589.8/34

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.121+/-0.000 χ^2/NDF : 31962750.6/16

+ sign -0.121+/-0.000 χ^2/NDF : 3964666923.3/33

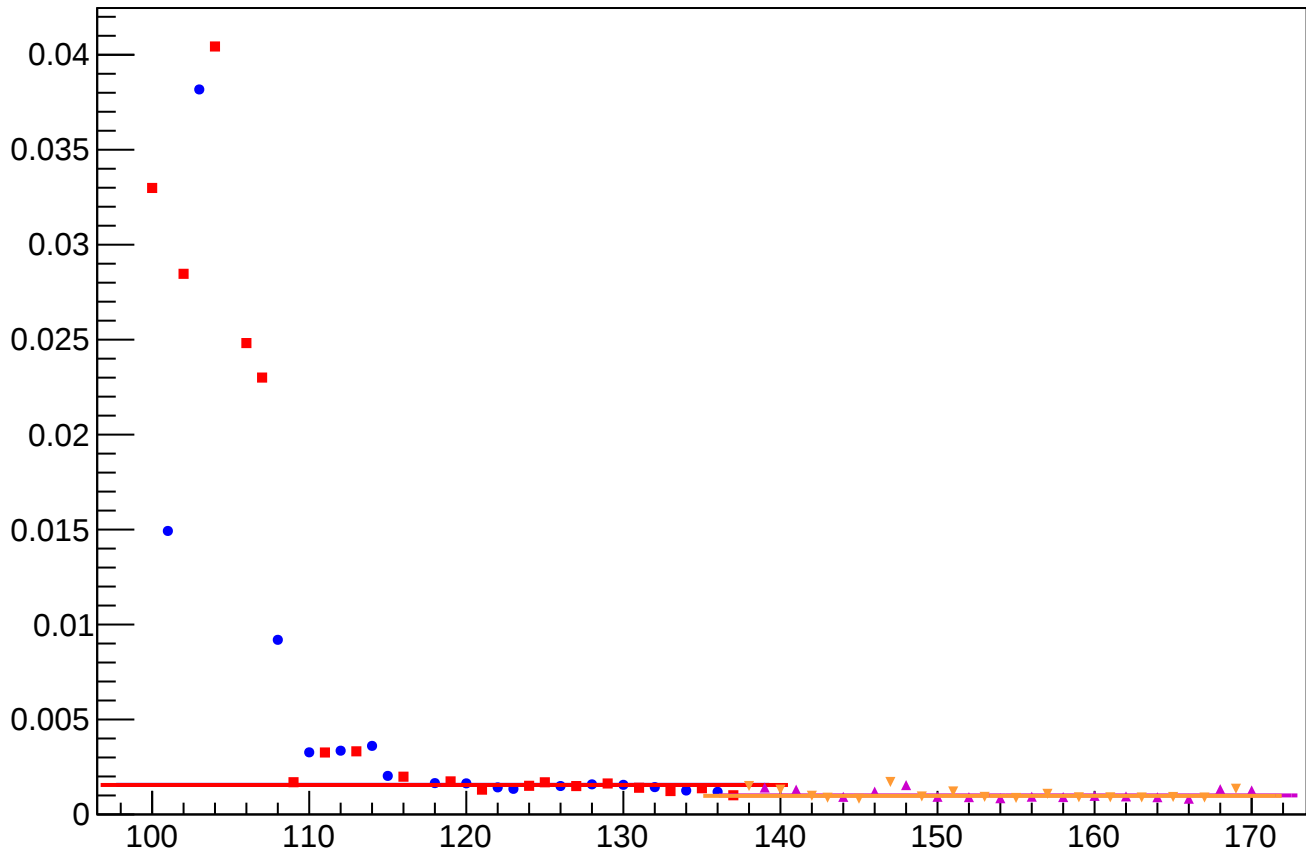
Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

All: -0.120+/-0.000 χ^2/NDF : 6500647710.9/6

- sign -0.120+/-0.000 χ^2/NDF : 2532463274.7/34

Left In: -0.121+/-0.000 χ^2/NDF : 28038152.2/15

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2903607.4/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:841339.6/16

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3538622.3/18

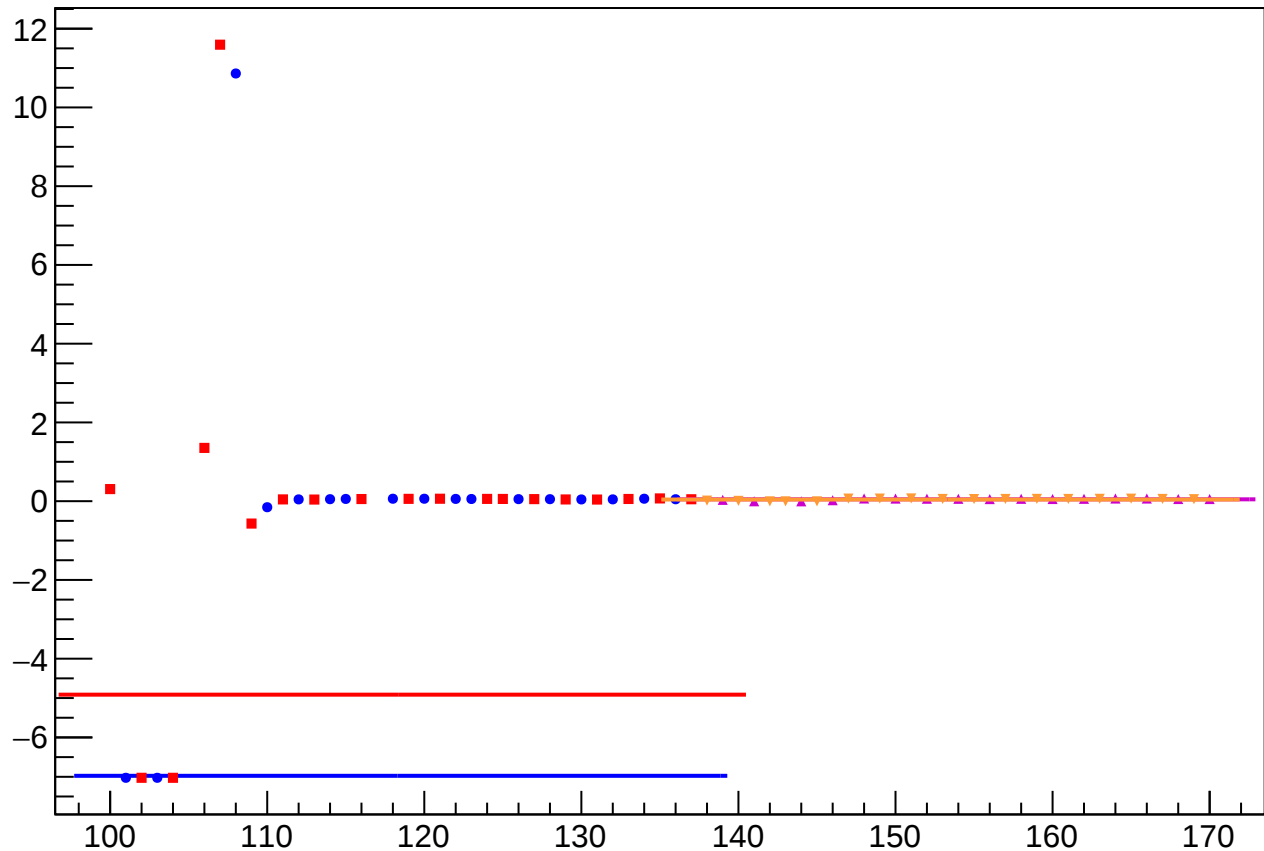
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:733544.8/15

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4841719.9/33

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10103474.4/68

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5254957.4/34

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2 /NDF: 8787948713830.4/16

Left Out: 0.042+/-0.000 χ^2 /NDF:94350398.3/16

Right Out: -4.914+/-0.000 χ^2 /NDF: 365362215369689.4/18

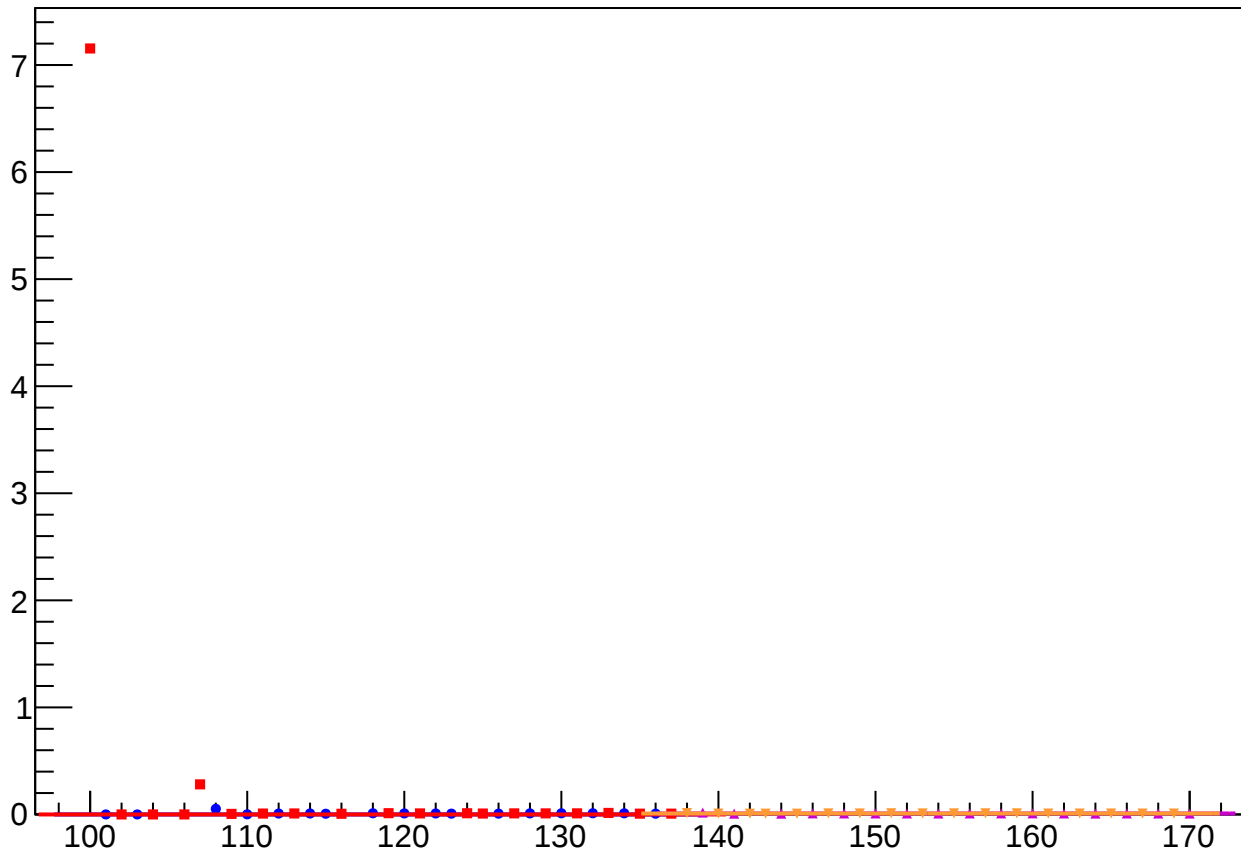
Left In: 0.047+/-0.000 χ^2 /NDF:74616088.3/15

+ sign -6.940+/-0.000 χ^2 /NDF: 14982990511256.4/16

All: -5.872+/-0.000 χ^2 /NDF: 4389624266738.4/16

- sign -4.893+/-0.000 χ^2 /NDF: 368271062609393.2/16

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.009+/-0.000 χ^2/NDF : 422901.9/16

Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

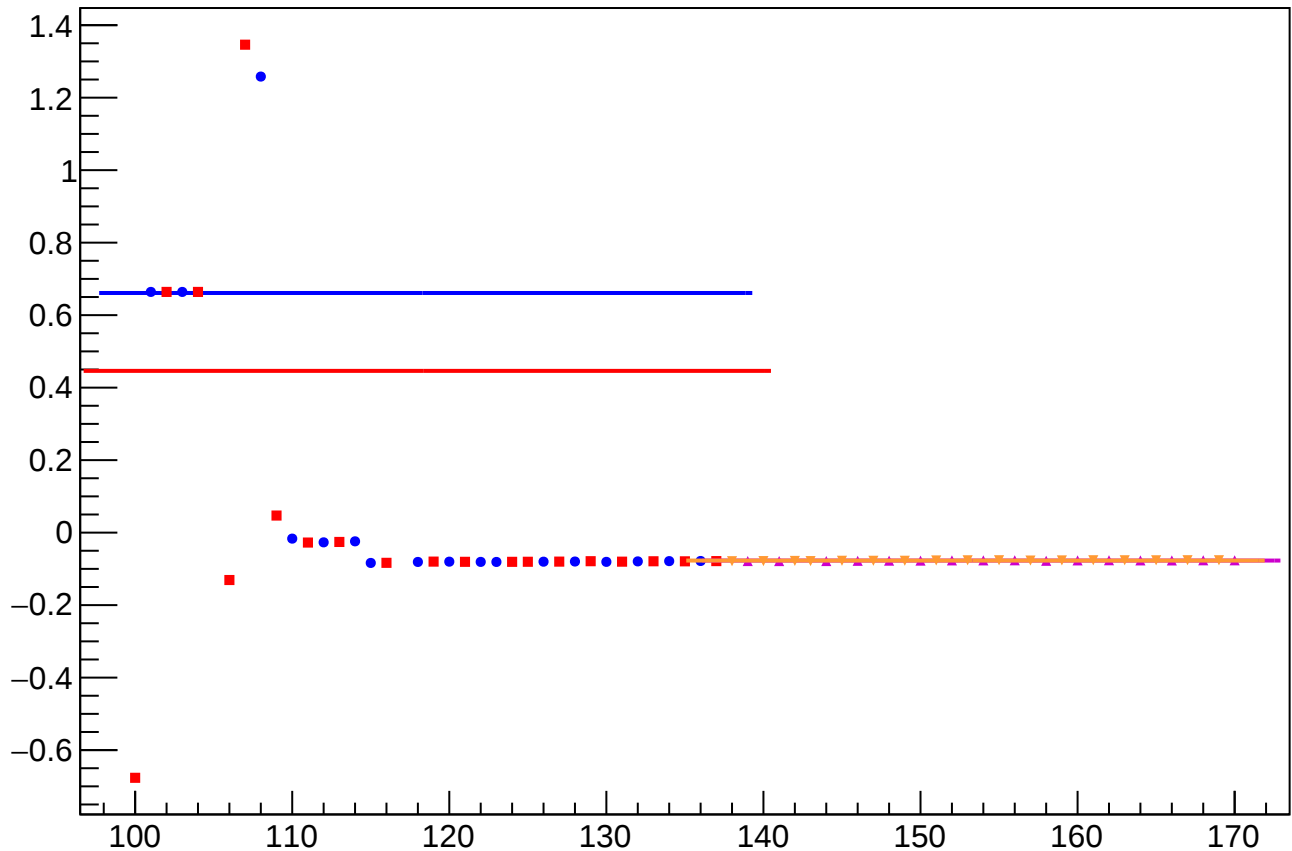
Left In: 0.009+/-0.000 χ^2/NDF : 508273.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 28076274.9/33

All: 0.000+/-0.000 χ^2/NDF : 56662900.1/68

- sign 0.000+/-0.000 χ^2/NDF : 28584757.4/34

yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 χ^2/NDF : 5678332616622.1/16

Left Out: -0.077 ± 0.000 χ^2/NDF : 32189929.1/16

Right Out: 0.446 ± 0.000 χ^2/NDF : 405428604683882.5/18

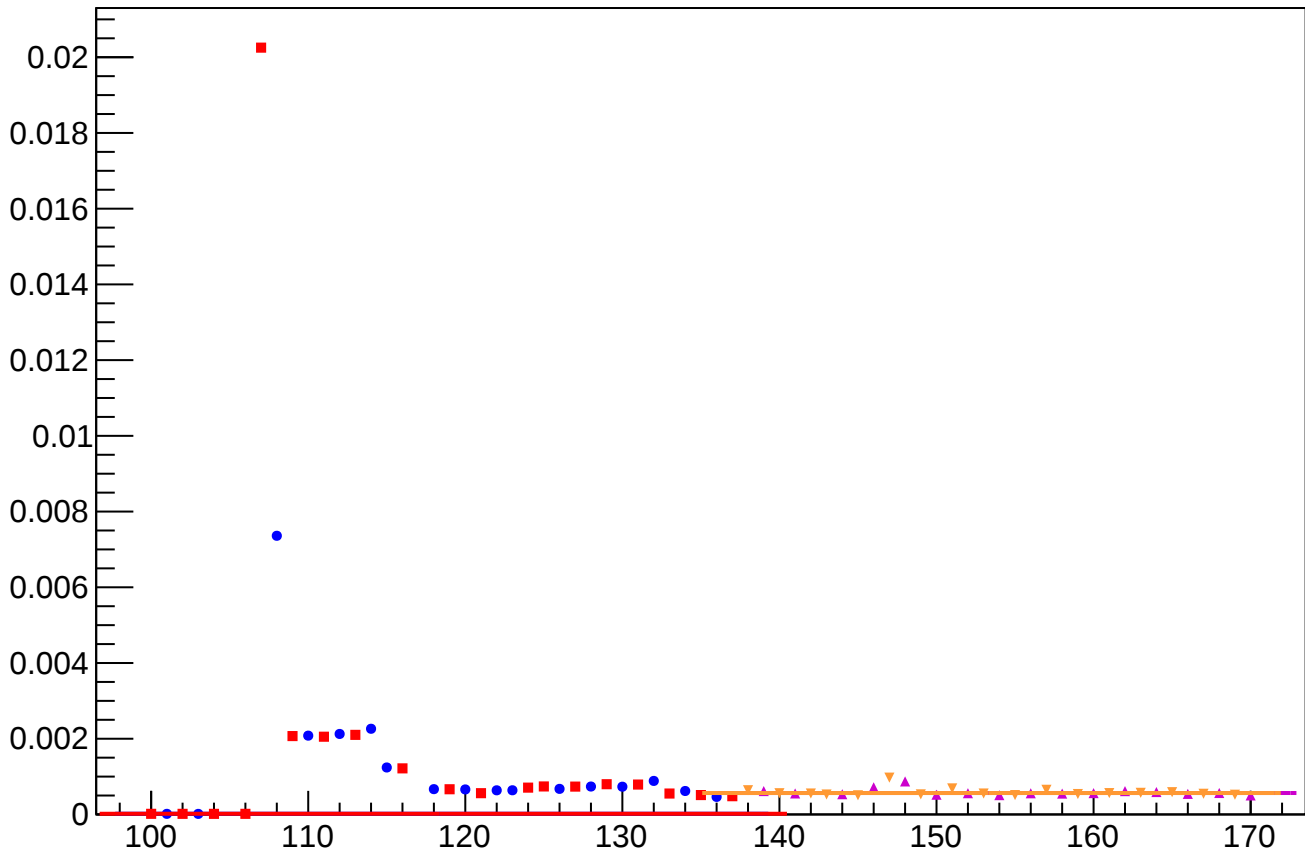
Left In: -0.077 ± 0.000 χ^2/NDF : 23173948.5/15

+ sign 0.651 ± 0.000 χ^2/NDF : 25768217666742.8/3

All: 0.540 ± 0.000 χ^2/NDF : 50275610758375

- sign 0.440 ± 0.000 χ^2/NDF : 415423474295808.6/3

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9997012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 423394.6/16

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

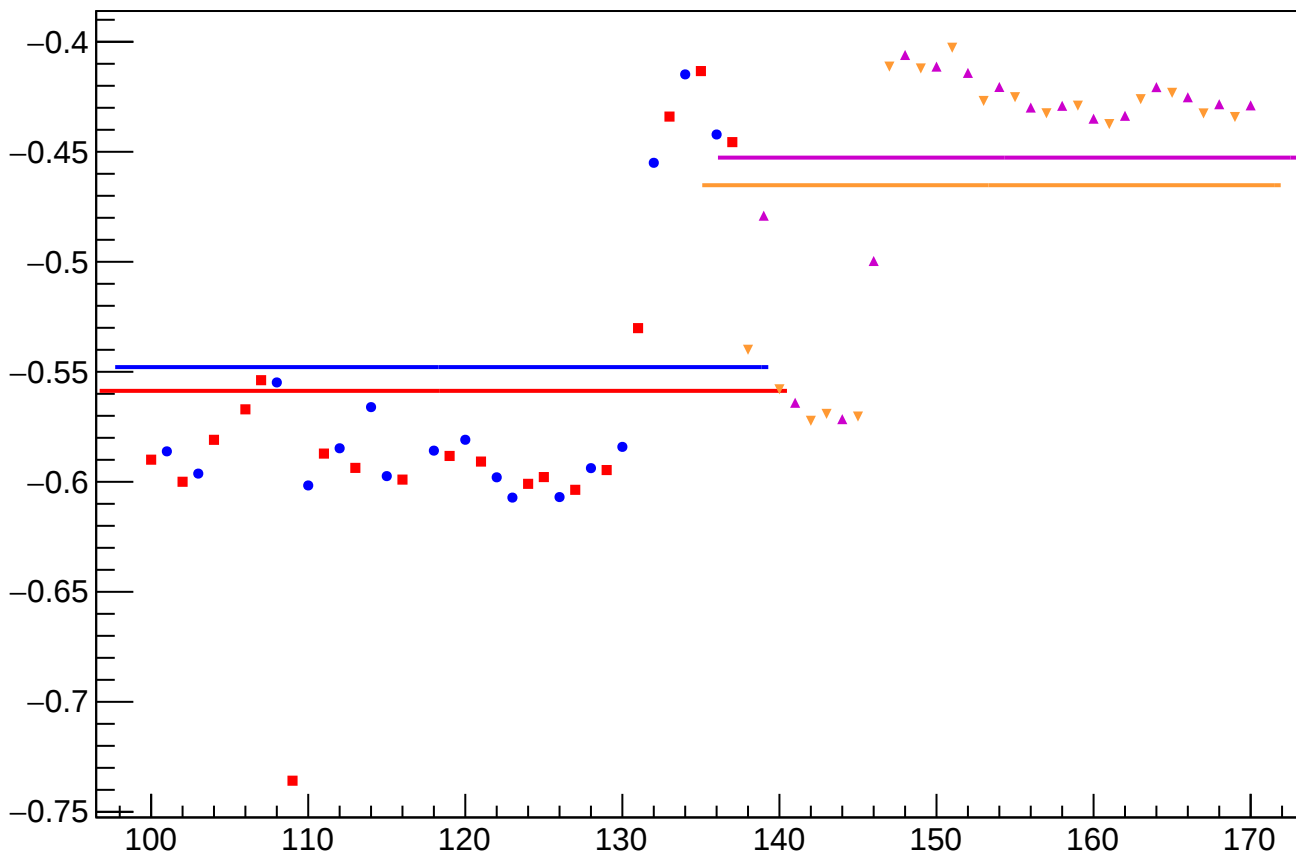
Left In: 0.001+/-0.000 χ^2/NDF : 343184.7/15

+ sign 0.000+/-0.000 χ^2/NDF : 32527722.8/33

All: 0.000+/-0.000 χ^2/NDF : 64295493.5/68

- sign 0.000+/-0.000 χ^2/NDF : 31765937.6/34

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2 /NDF: 48579920.8/16

Left Out: -0.465+/-0.000 χ^2 /NDF: 103880331.2/16

Right Out: -0.559+/-0.000 χ^2 /NDF: 65682293.5/18

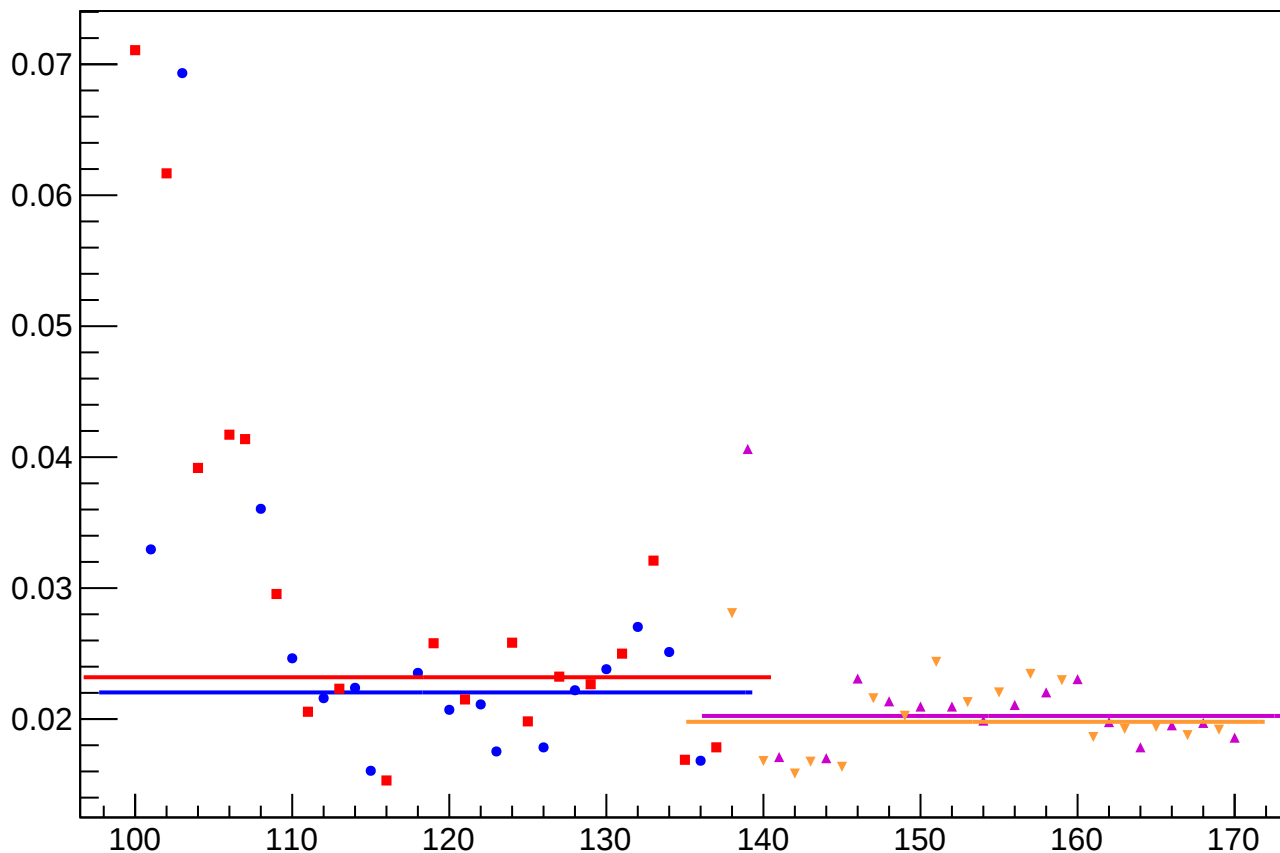
Left In: -0.453+/-0.000 χ^2 /NDF: 75090848.0/15

+ sign -0.489+/-0.000 χ^2 /NDF: 203462404.4/33

All: -0.486+/-0.000 χ^2 /NDF: 424151662.5/68

- sign -0.483+/-0.000 χ^2 /NDF: 220061007.0/34

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 958966.6/16

Left Out: 0.020+/-0.000 χ^2/NDF : 398935.2/16

Right Out: 0.023+/-0.000 χ^2/NDF : 1156989.7/18

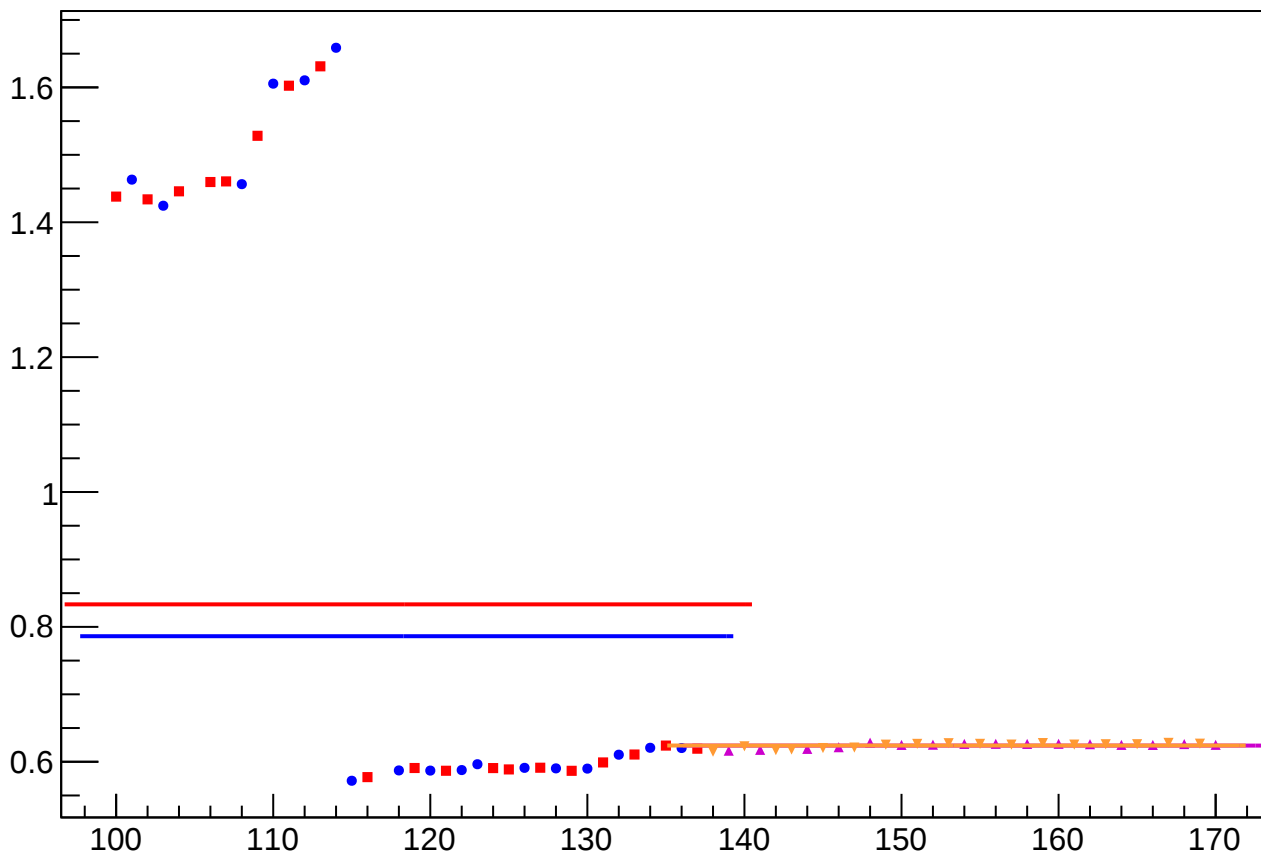
Left In: 0.020+/-0.000 χ^2/NDF : 513991.3/15

+ sign 0.020+/-0.000 χ^2/NDF : 1433035.2/33

All: 0.021+/-0.000 χ^2/NDF : 3242118.5/68

- sign 0.021+/-0.000 χ^2/NDF : 1794228.3/34

yield_bpm4aY_mean vs Slug



Right In: 0.786 $\pm$ 0.000 χ^2 /NDF: 3590113316.1/16

Left Out: 0.624 $\pm$ 0.000 χ^2 /NDF:1185978.1/16

Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4156812252.4/18

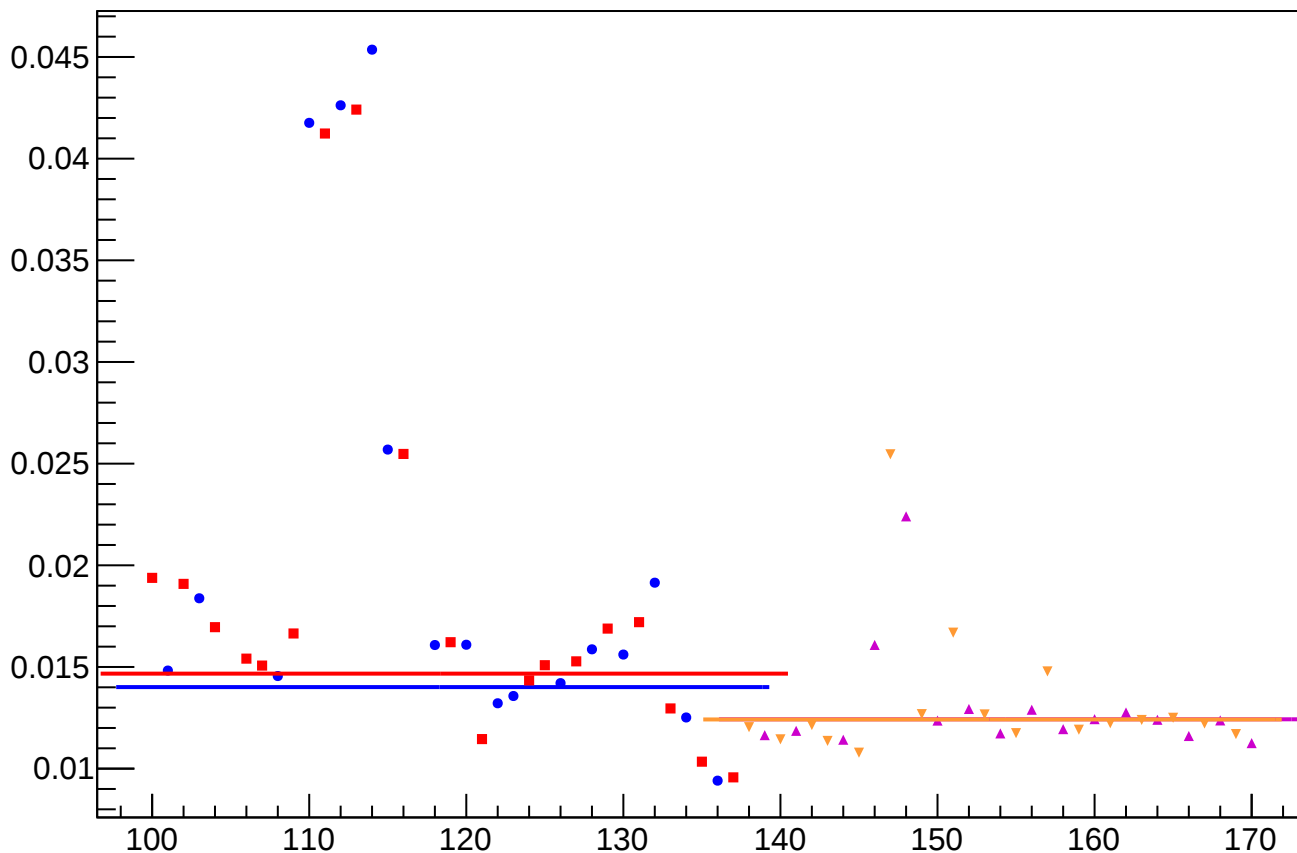
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:926642.2/15

+ sign 0.668 $\pm$ 0.000 χ^2 /NDF: 4145253959.0/33

All: 0.674 $\pm$ 0.000 χ^2 /NDF: 9209852107.5/68

- sign 0.680 $\pm$ 0.000 χ^2 /NDF: 5057512800.6/34

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1404865.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:595532.4/16

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1263462.0/18

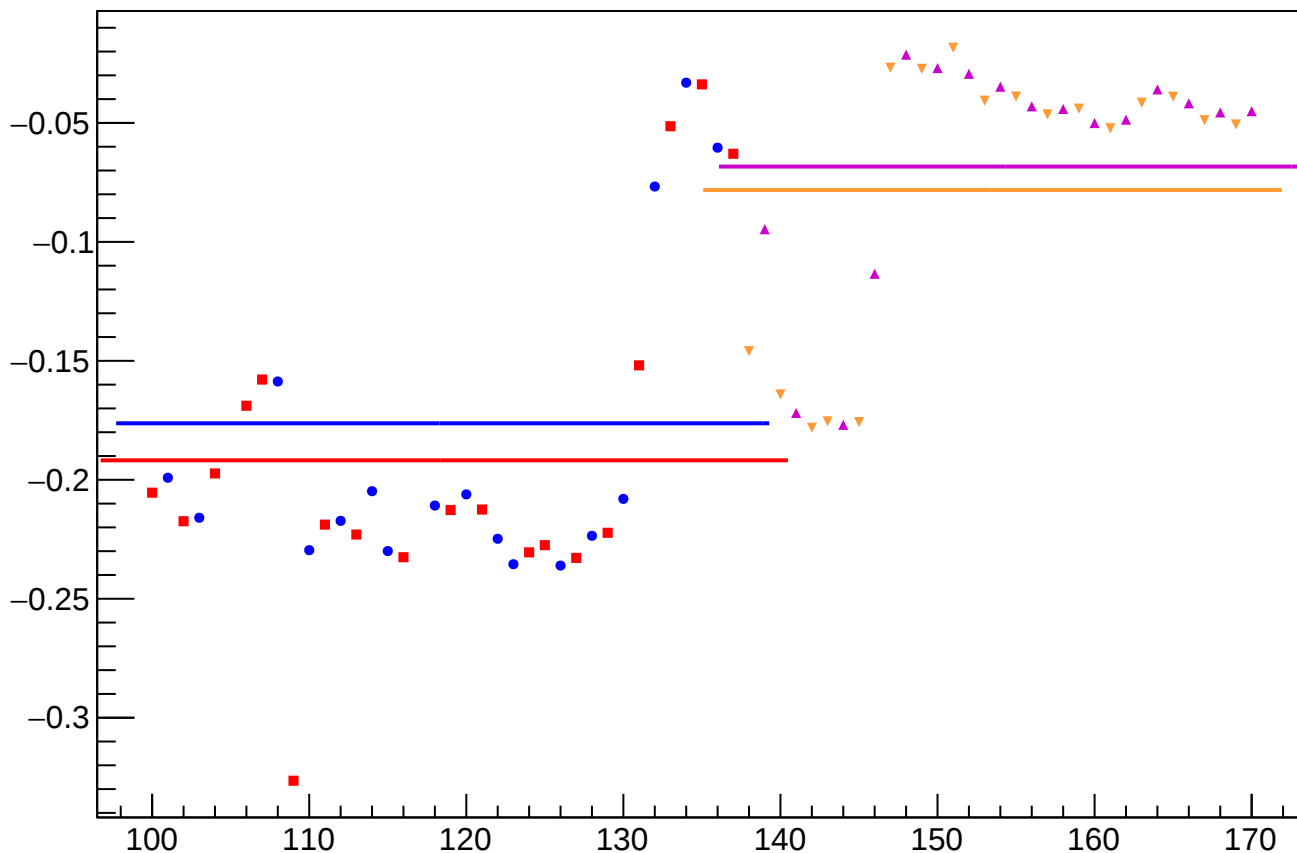
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:435744.8/15

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2107229.5/33

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4016476.9/68

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1906088.5/34

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.078+/-0.000 χ^2/NDF : 99041199.2/16

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

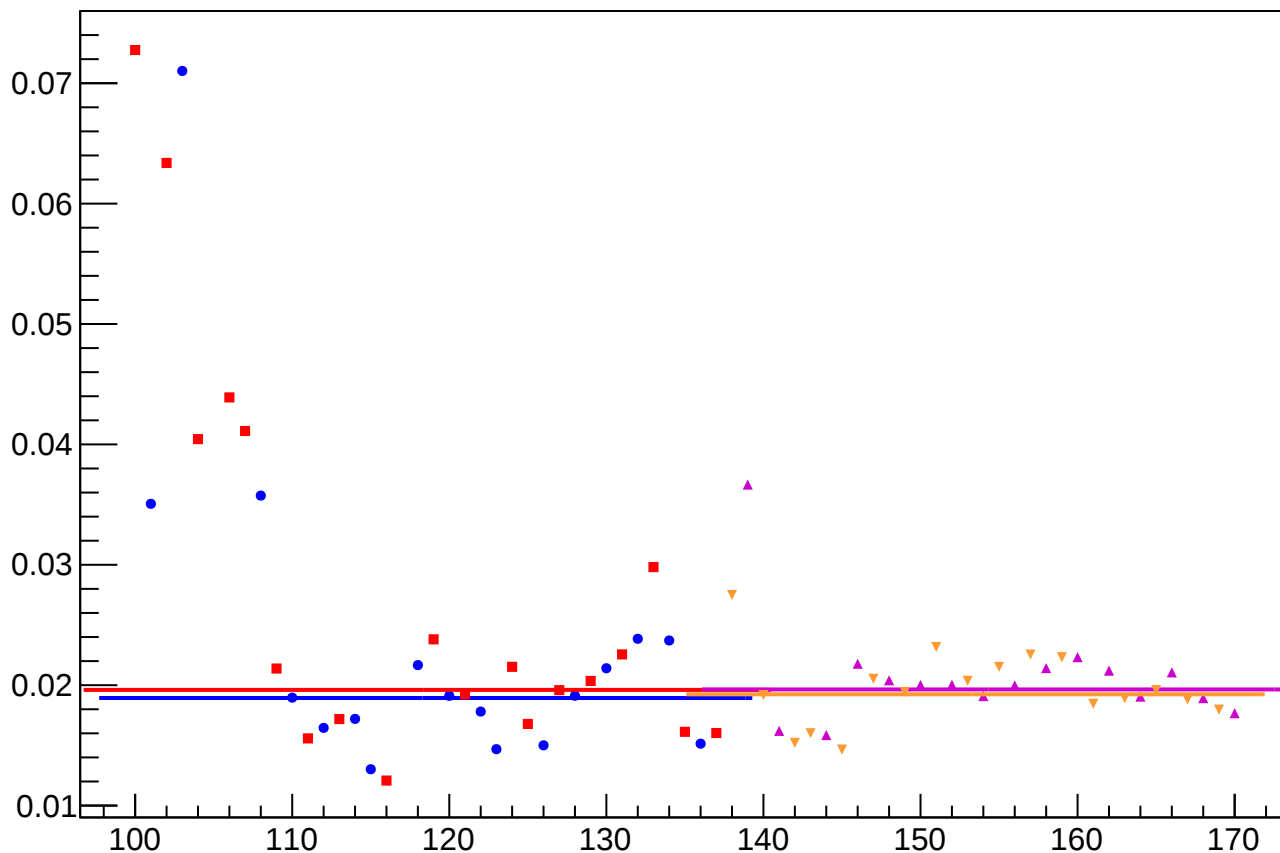
Left In: -0.068+/-0.000 χ^2/NDF : 75467537.5/15

+ sign -0.111+/-0.000 χ^2/NDF : 258270490.4/33

All: -0.111+/-0.000 χ^2/NDF : 553539078.1/68

- sign -0.110+/-0.000 χ^2/NDF : 295252600.6/34

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 425653.6/16

Right Out: 0.020+/-0.000 χ^2/NDF : 1457660.9/18

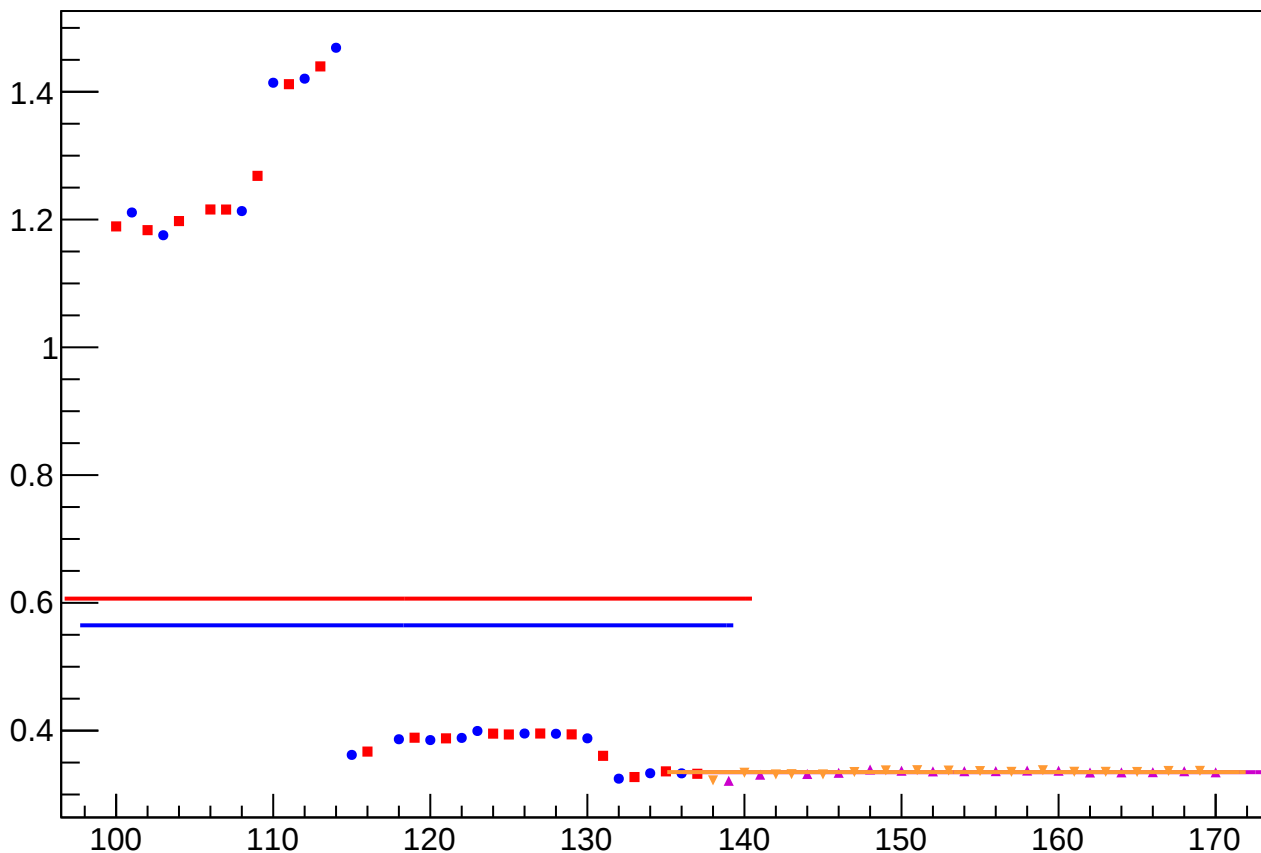
Left In: 0.020+/-0.000 χ^2/NDF : 493887.3/15

+ sign 0.019+/-0.000 χ^2/NDF : 1633248.9/33

All: 0.019+/-0.000 χ^2/NDF : 3594801.4/68

- sign 0.020+/-0.000 χ^2/NDF : 1951573.4/34

yield_bpm4eY_mean vs Slug



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.335+/-0.000 χ^2/NDF :1124225.9/16

Right Out: 0.607+/-0.000 χ^2/NDF : 5513752213.8/18

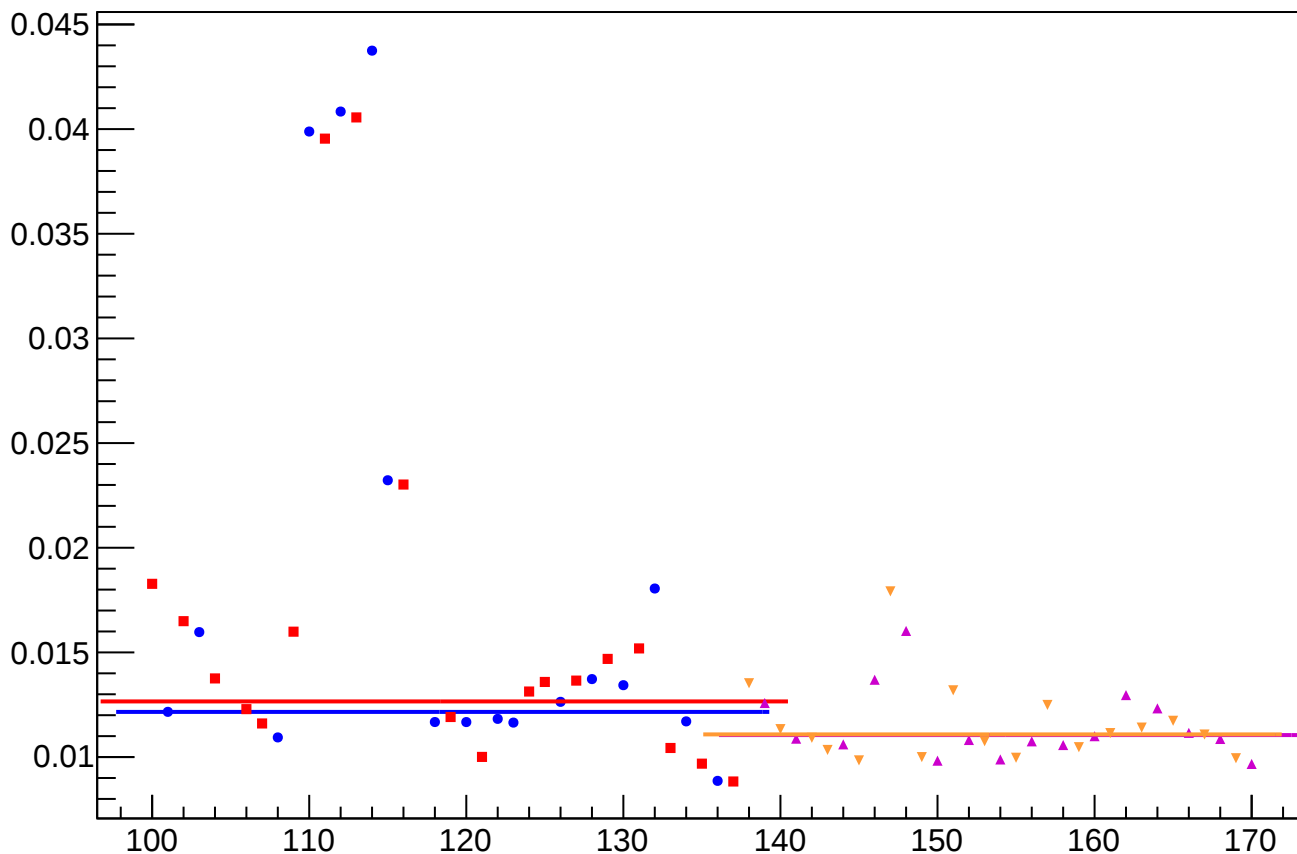
Left In: 0.335+/-0.000 χ^2/NDF :1171375.2/15

+ sign 0.400+/-0.000 χ^2/NDF : 6484458011.2/33

All: 0.405+/-0.000 χ^2/NDF : 13973915827.0/66

- sign 0.410+/-0.000 χ^2/NDF : 7483077025.3/34

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1309888.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 420538.4/16

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

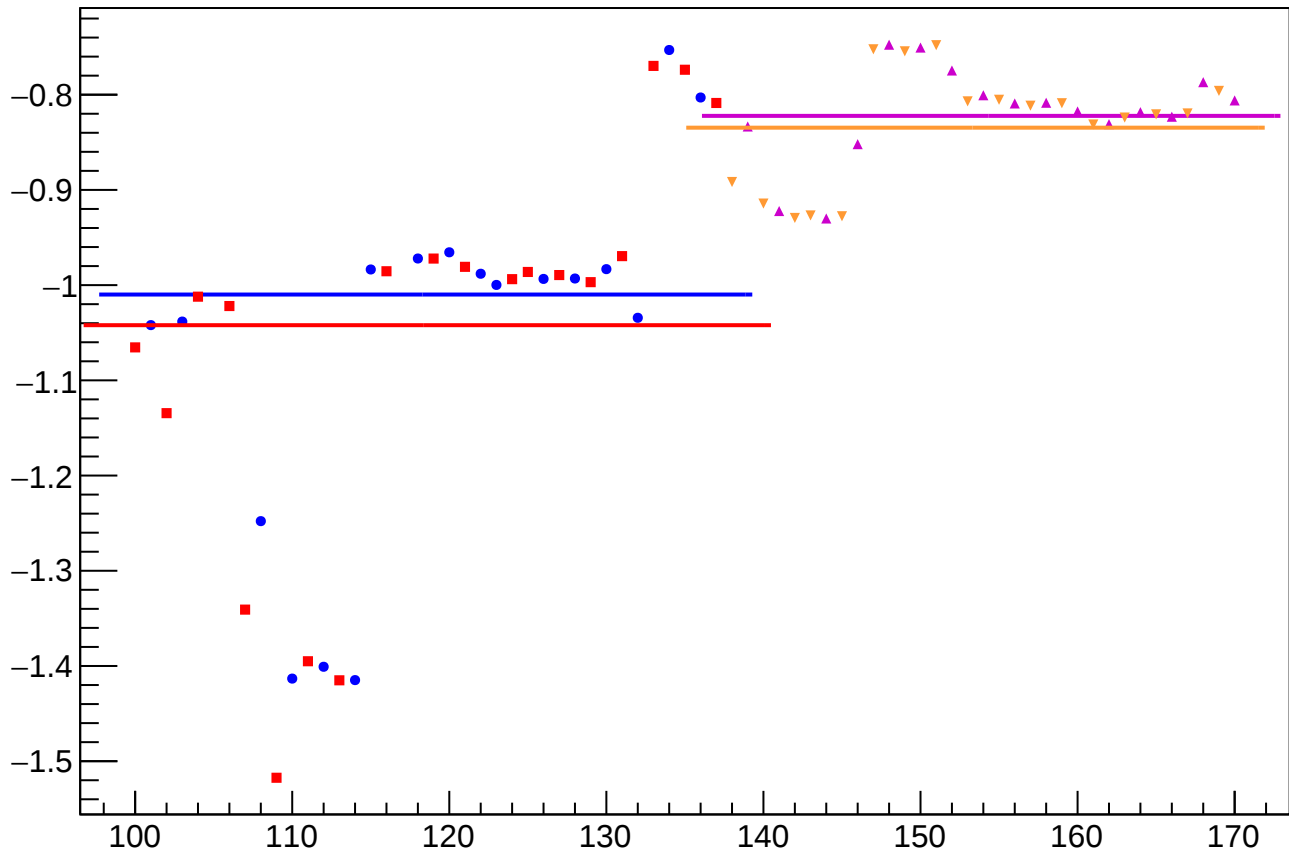
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 357214.1/15

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1793956.0/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3561217.8/68

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1765738.8/34

yield_bpm4acX_mean vs Slug



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.835+/-0.000 χ^2/NDF : 96526750.1/16

Right Out: -1.042+/-0.000 χ^2/NDF : 530106141.8/18

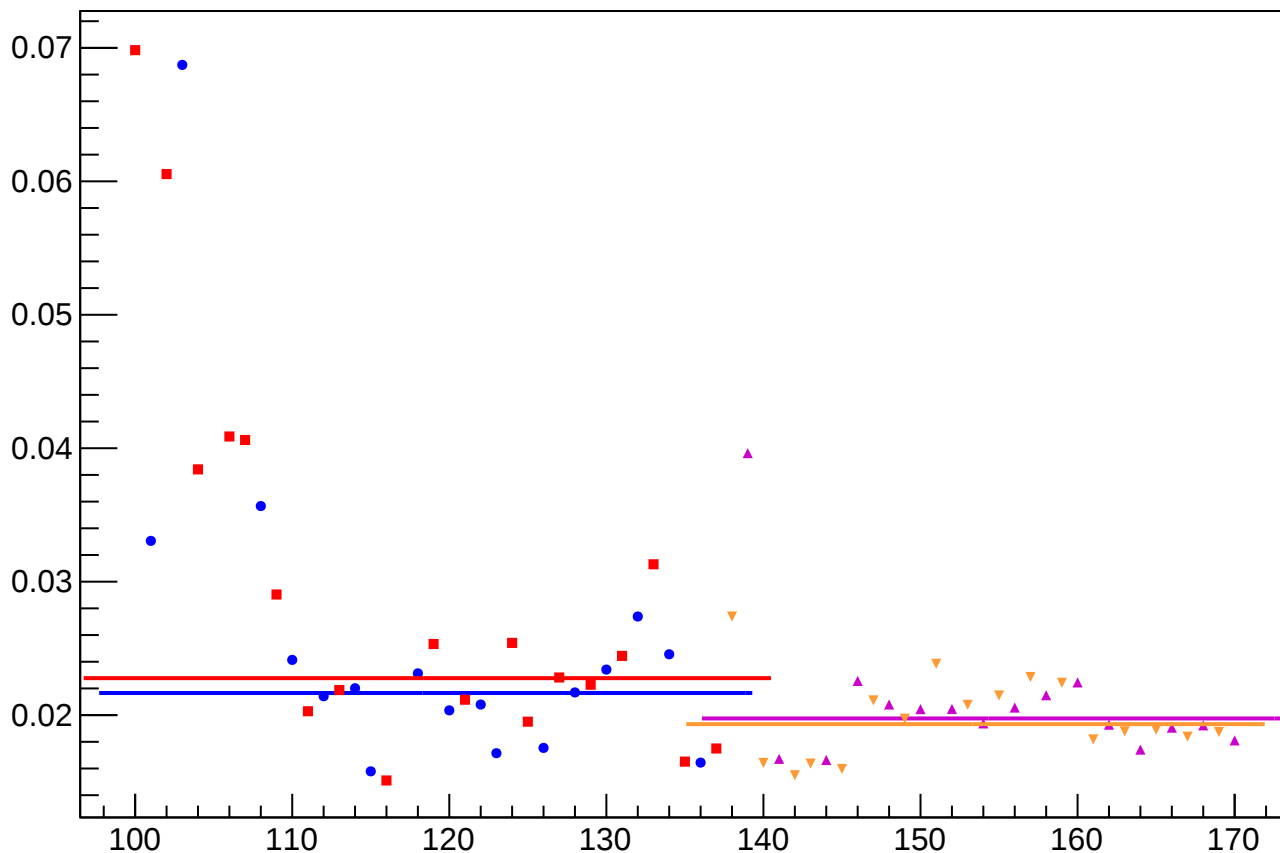
Left In: -0.822+/-0.000 χ^2/NDF : 73585636.3/15

+ sign -0.885+/-0.000 χ^2/NDF : 722012248.7/33

All: -0.885+/-0.000 χ^2/NDF : 1680135844.9/6

- sign -0.885+/-0.000 χ^2/NDF : 958123583.0/34

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 983499.8/16

Left Out: 0.019 ± 0.000 χ^2/NDF : 396599.3/16

Right Out: 0.023 ± 0.000 χ^2/NDF : 1152617.8/18

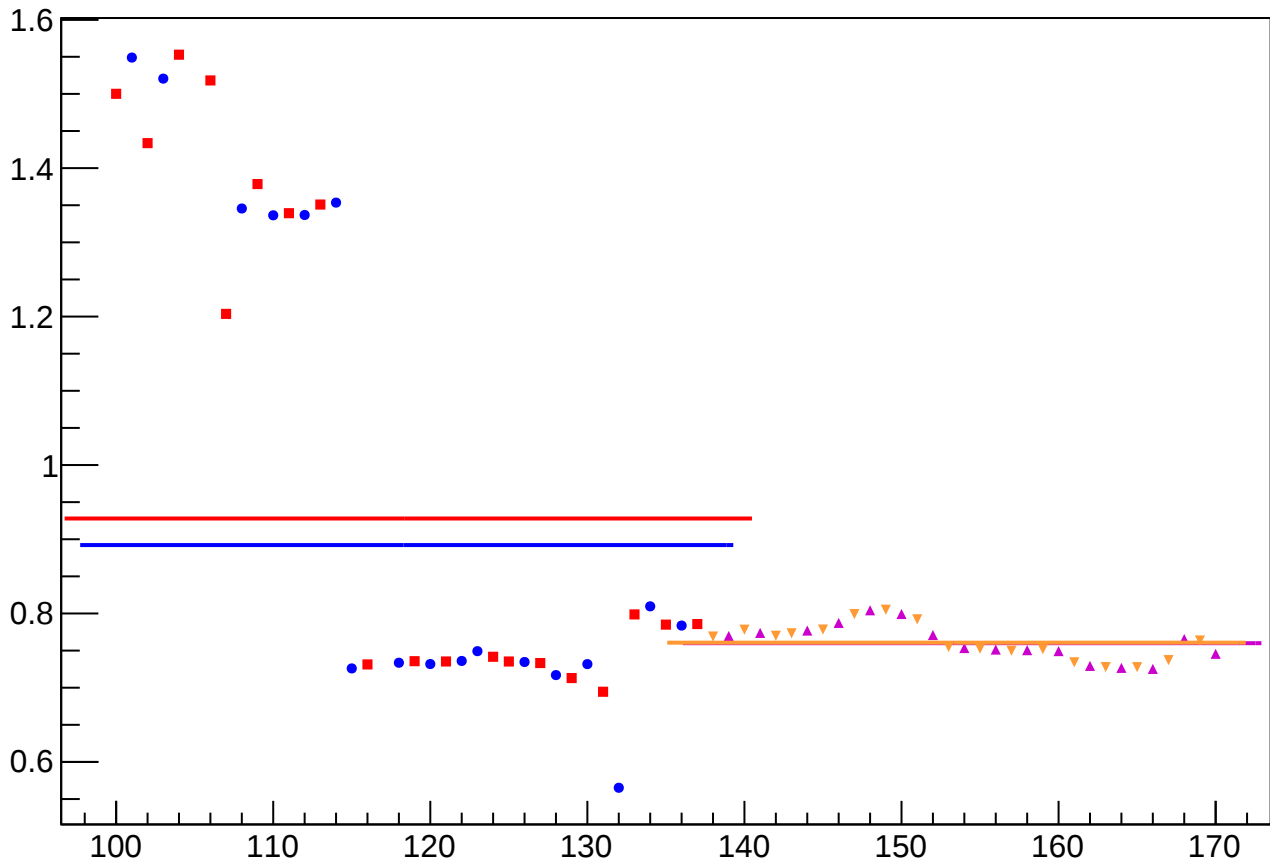
Left In: 0.020 ± 0.000 χ^2/NDF : 511340.7/15

+ sign 0.020 ± 0.000 χ^2/NDF : 1464527.2/33

All: 0.020 ± 0.000 χ^2/NDF : 3276370.2/68

- sign 0.021 ± 0.000 χ^2/NDF : 1797742.8/34

yield_bpm4acY_mean vs Slug



Right In: 0.892 $\pm$ 0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.761 $\pm$ 0.000 χ^2/NDF :36081217.4/16

+ sign 0.795 $\pm$ 0.000 χ^2/NDF : 2803905671.6/33

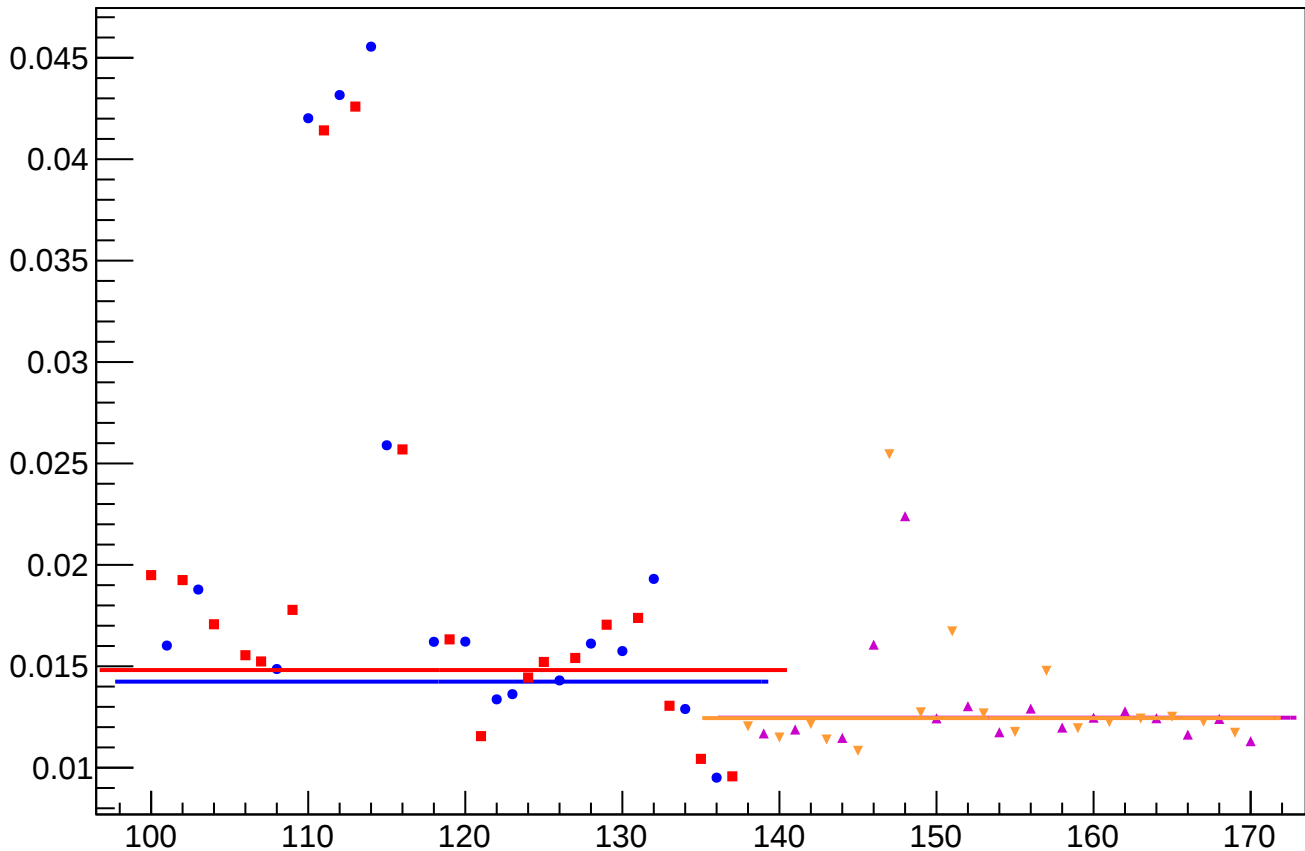
Right Out: 0.928 $\pm$ 0.000 χ^2/NDF : 2437542089.2/18

All: 0.800 $\pm$ 0.000 χ^2/NDF : 5847311718.6/68

- sign 0.804 $\pm$ 0.000 χ^2/NDF : 3039536862.6/34

Left In: 0.760 $\pm$ 0.000 χ^2/NDF :33914655.5/15

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF :590943.4/16

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1274172.7/18

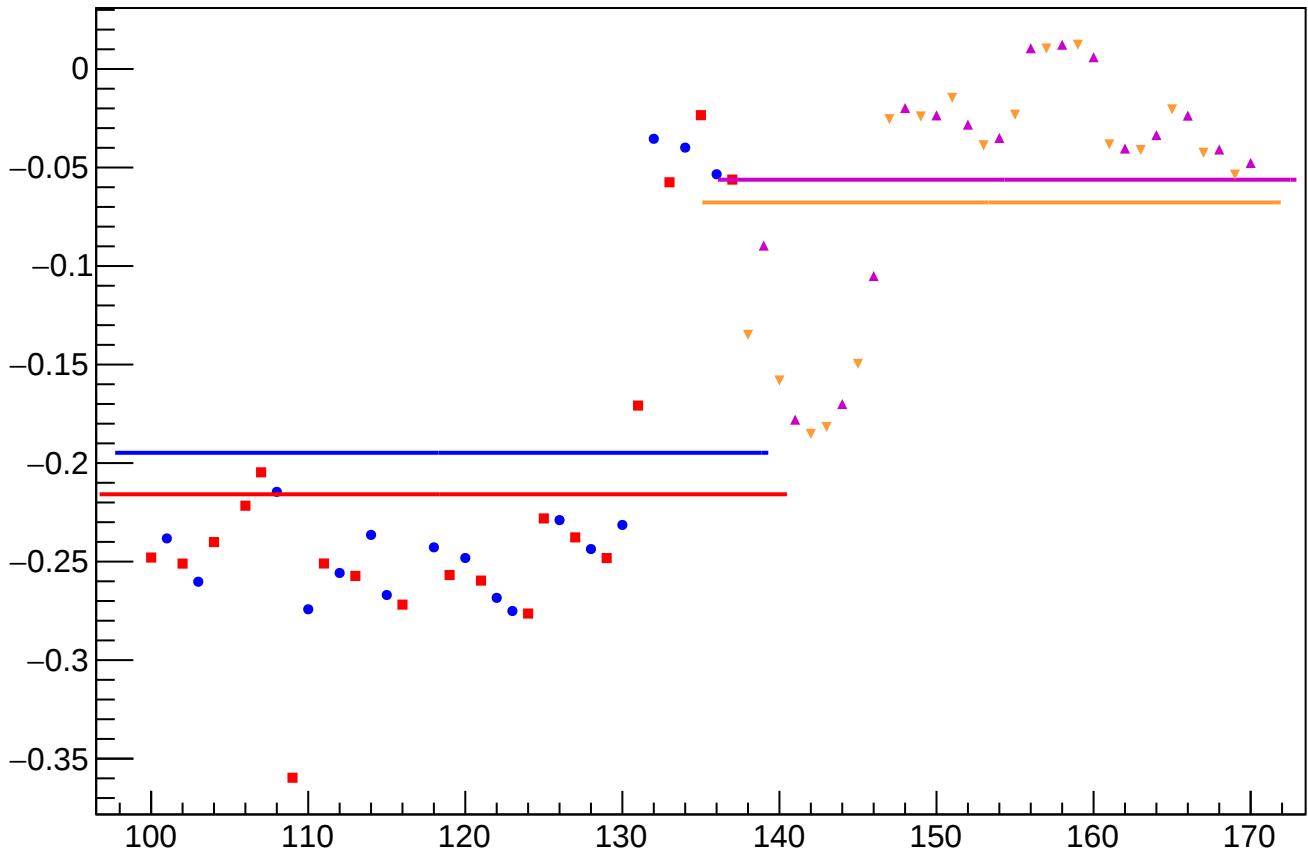
Left In: 0.012 $\pm$ 0.000 χ^2/NDF :431024.1/15

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 2138876.1/33

All: 0.013 $\pm$ 0.000 χ^2/NDF : 4068816.3/68

- sign 0.013 $\pm$ 0.000 χ^2/NDF : 1927242.1/34

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.068+/-0.000 χ^2/NDF : 114853561.4/16

Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

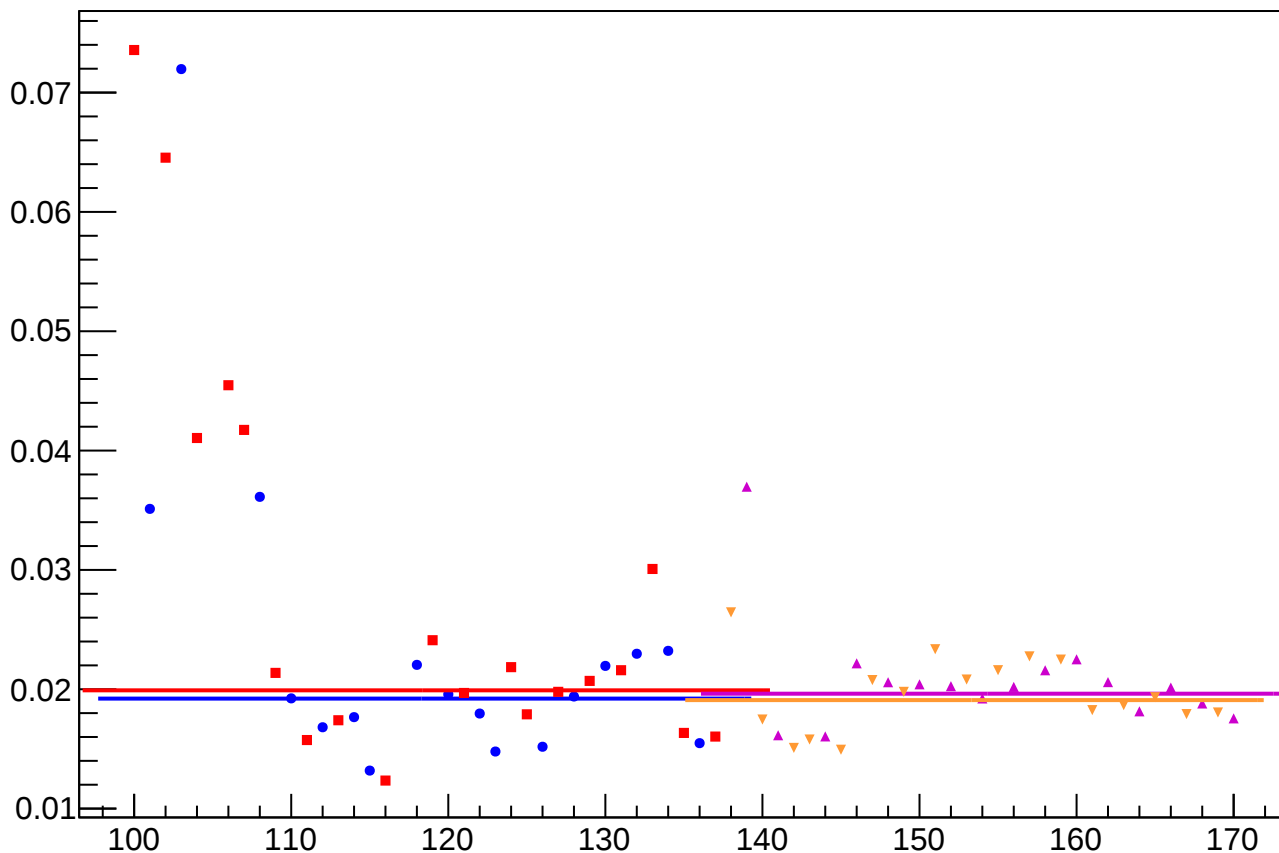
Left In: -0.056+/-0.000 χ^2/NDF : 97397026.3/15

+ sign -0.109+/-0.000 χ^2/NDF : 370782164.7/33

All: -0.109+/-0.000 χ^2/NDF : 802354352.4/68

- sign -0.109+/-0.000 χ^2/NDF : 431572166.4/34

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1177085.4/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:431680.9/16

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1446950.0/18

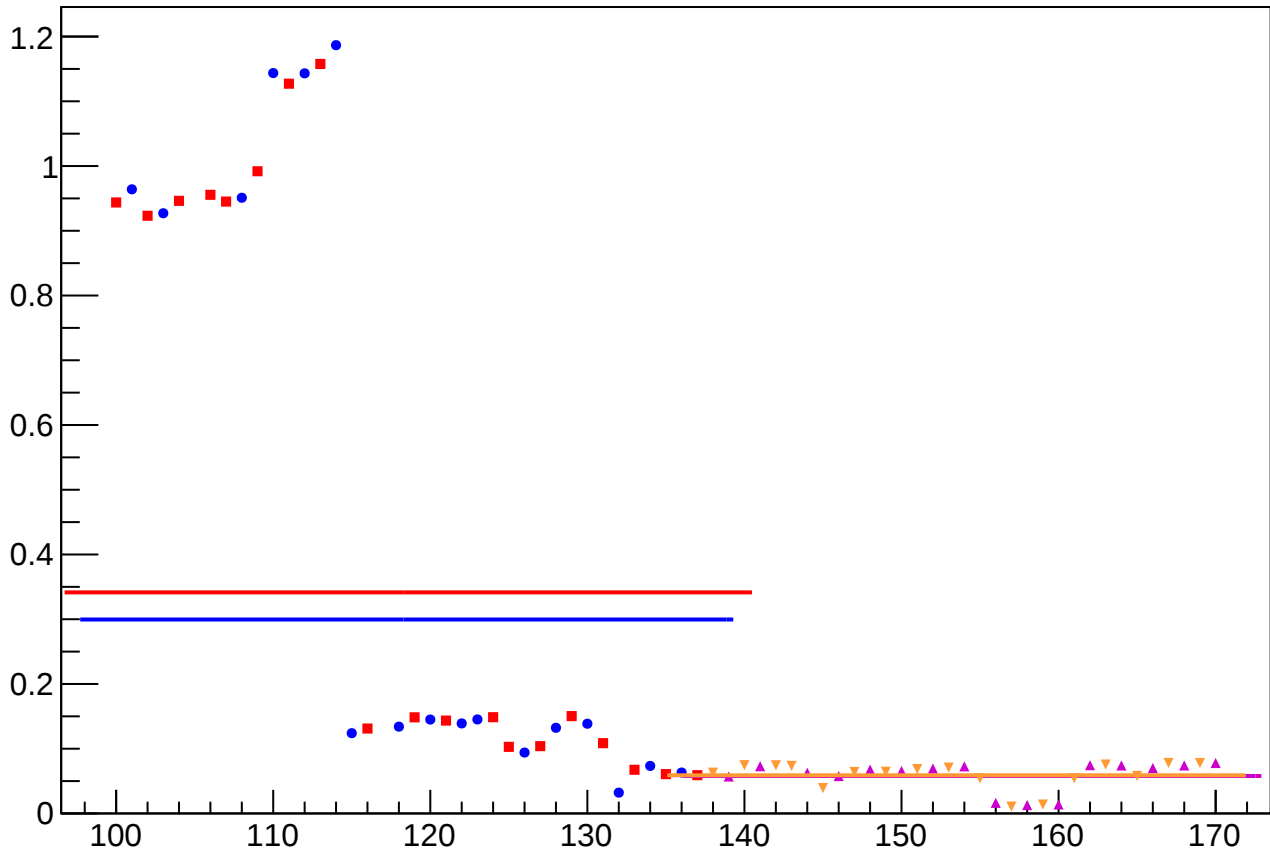
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:504910.3/15

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1609058.9/33

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3576332.8/68

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1953244.0/34

yield_bpm4ecY_mean vs Slug



Right In: 0.300 $\pm$ 0.000 χ^2 /NDF: 5165052137.6/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 43391245.8/16

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5450600455.1/18

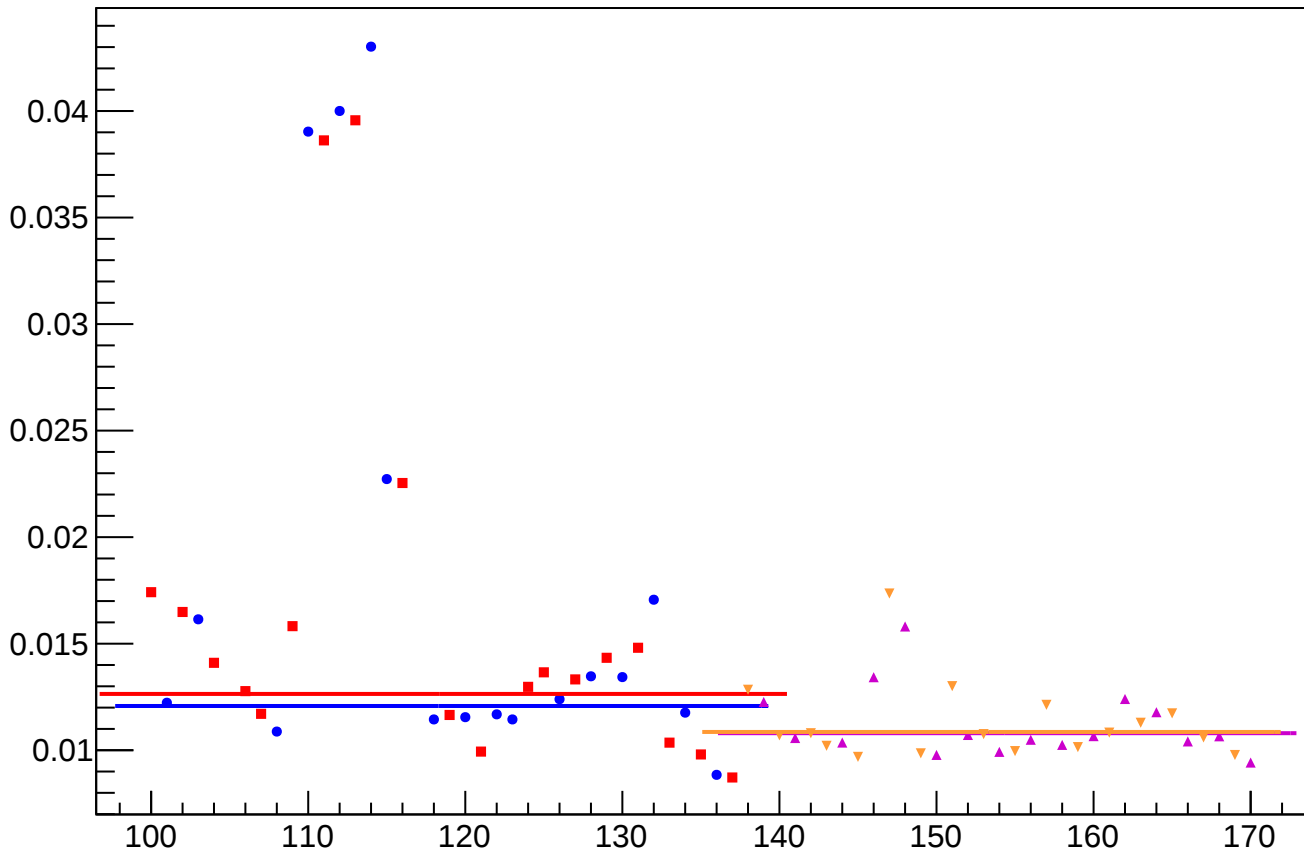
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF: 54810494.8/15

+ sign 0.125 $\pm$ 0.000 χ^2 /NDF: 6837361647.8/33

All: 0.129 $\pm$ 0.000 χ^2 /NDF: 14522728094.7/6

- sign 0.133 $\pm$ 0.000 χ^2 /NDF: 7680875258.4/34

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1282097.7/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:392087.4/16

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1237706.0/18

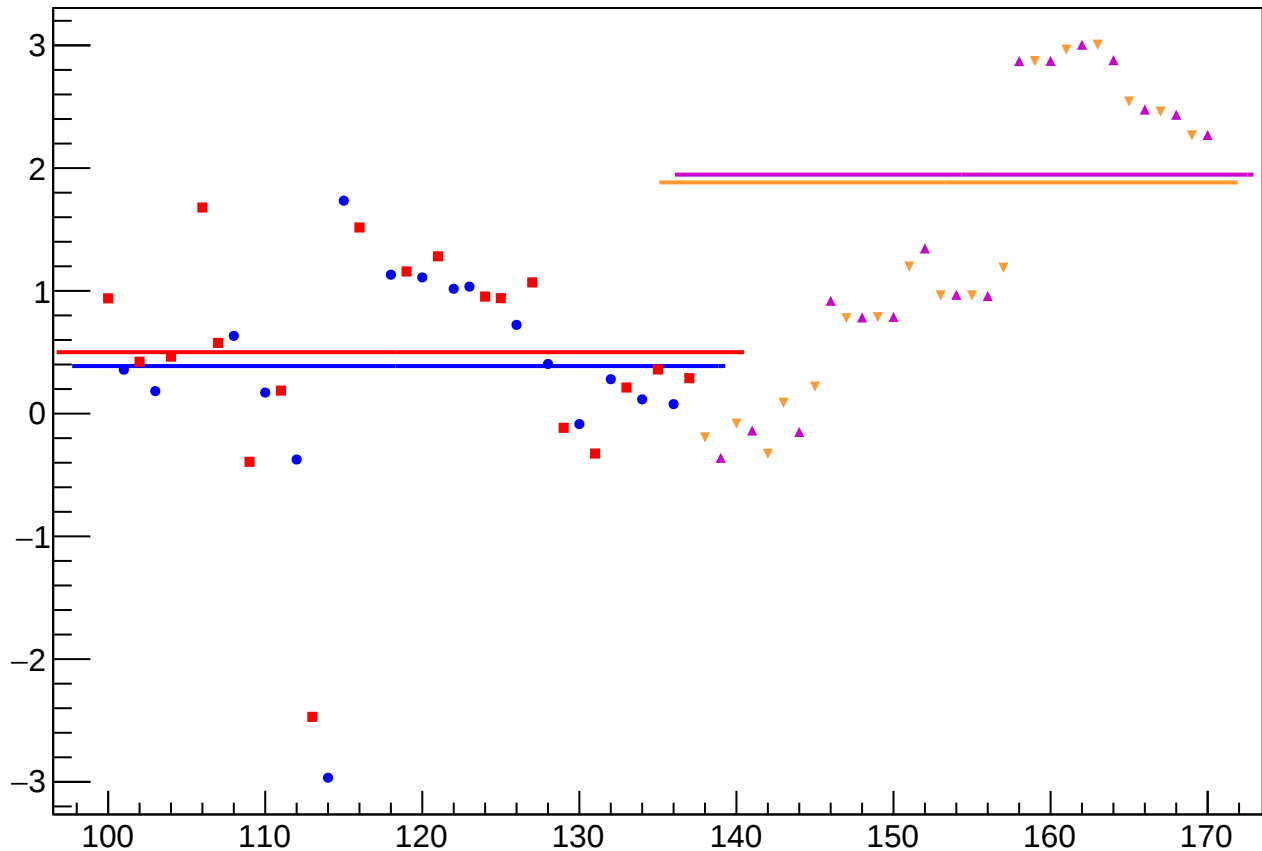
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:339180.2/15

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1757779.7/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3519591.4/68

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1760507.7/34

yield_bpm1X_mean vs Slug



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 247912593.5/16

Left Out: 1.883 $\pm$ 0.000 χ^2 /NDF: 26442569669.5/16

+ sign 1.803 $\pm$ 0.000 χ^2 /NDF: 30394969834.5/33

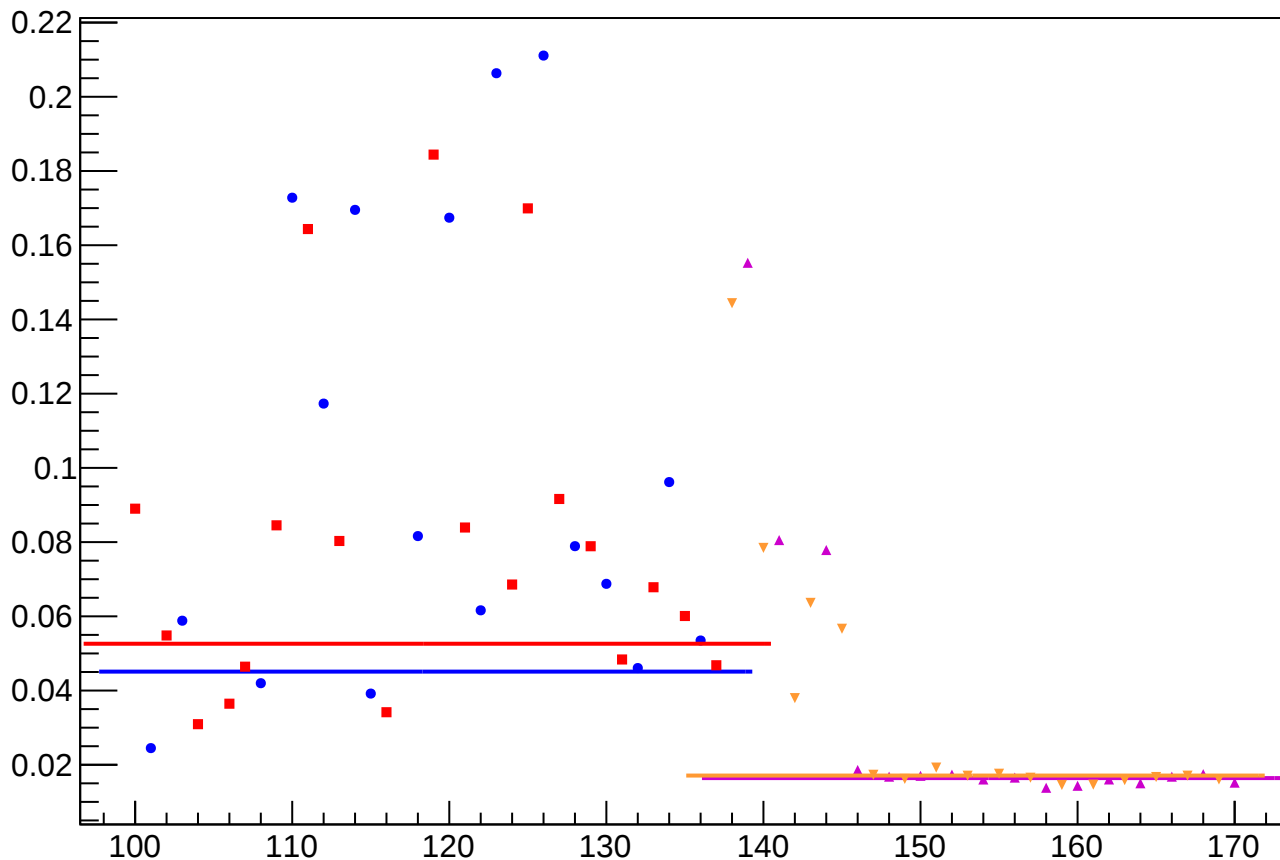
Right Out: 0.500 $\pm$ 0.000 χ^2 /NDF: 983360928.1/18

All: 1.846 $\pm$ 0.000 χ^2 /NDF: 62584547479.3/6

- sign 1.886 $\pm$ 0.000 χ^2 /NDF: 32072929533.2/34

Left In: 1.947 $\pm$ 0.000 χ^2 /NDF: 28097187111.8/15

yield_bpm1X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2846218.9/16

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2736212.9/16

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2190515.9/18

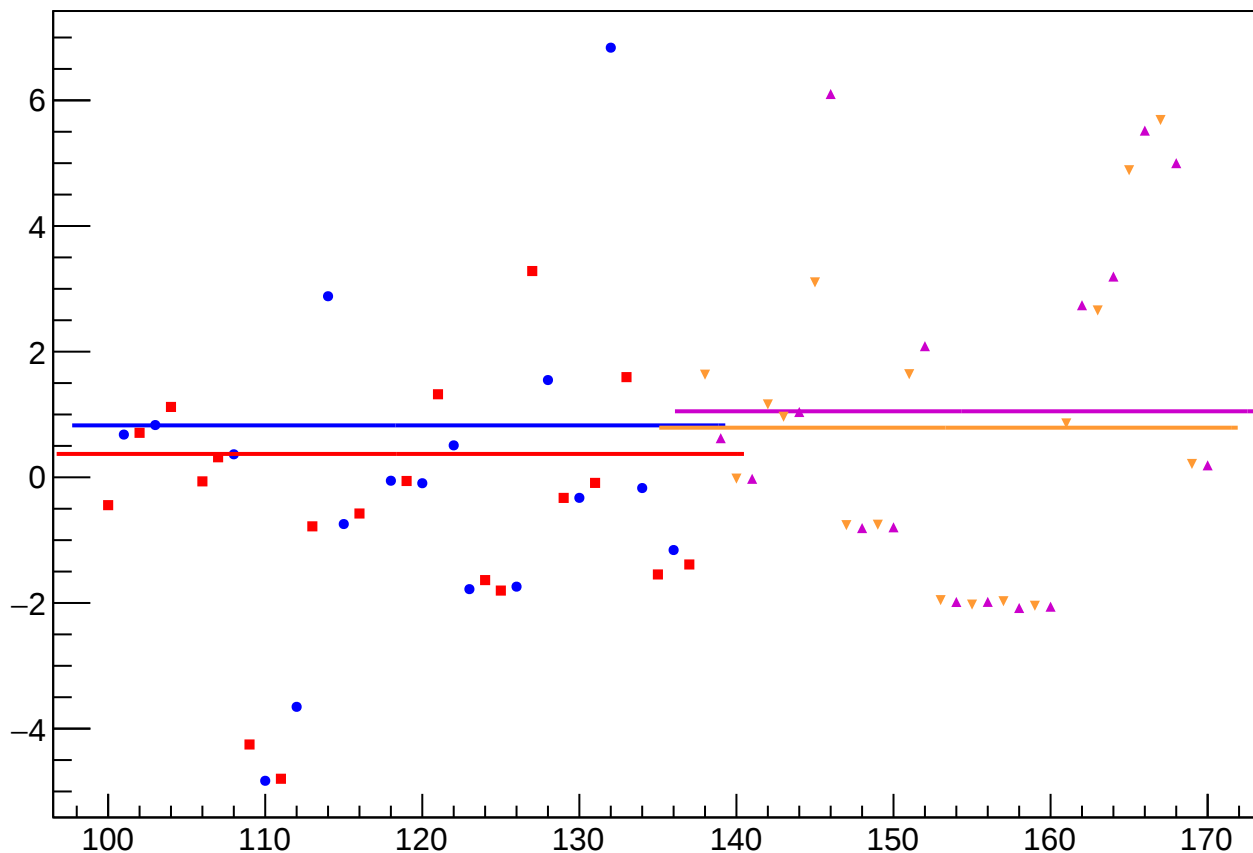
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2350037.4/15

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 8179489.2/33

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 16483470.8/68

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 8289057.6/34

yield_bpm1Y_mean vs Slug



Right In: 0.827+/-0.000 χ^2/NDF : 10936458870.4/16

Left Out: 0.790+/-0.000 χ^2/NDF : 363188765618.4/16

Right Out: 0.372+/-0.000 χ^2/NDF : 4972900338.2/18

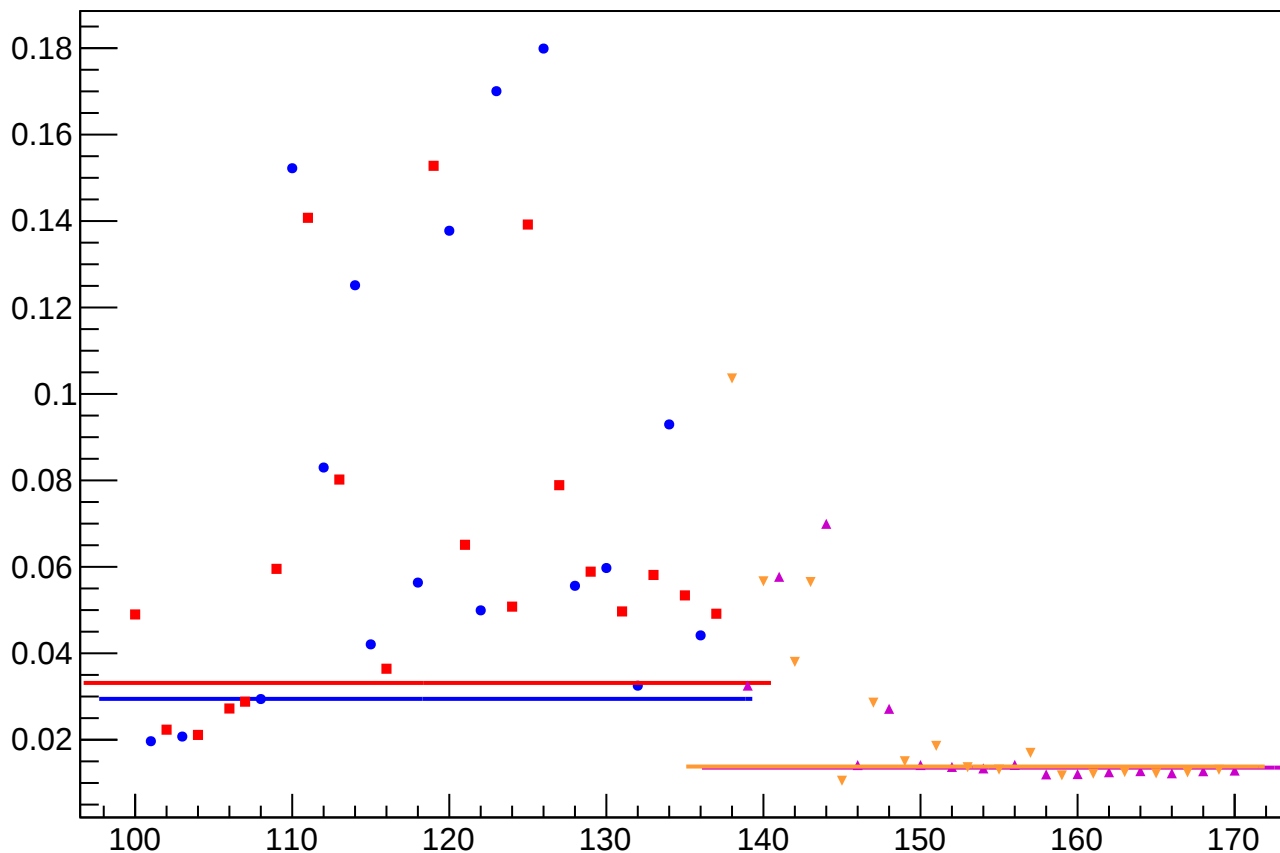
Left In: 1.051+/-0.000 χ^2/NDF : 478907861431.4/15

+ sign 0.793+/-0.000 χ^2/NDF : 374130111807.5/33

All: 0.905+/-0.000 χ^2/NDF : 860847634131.2

- sign 1.010+/-0.000 χ^2/NDF : 485394342220.2/34

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.014+/-0.000 χ^2/NDF :2842134.8/16

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

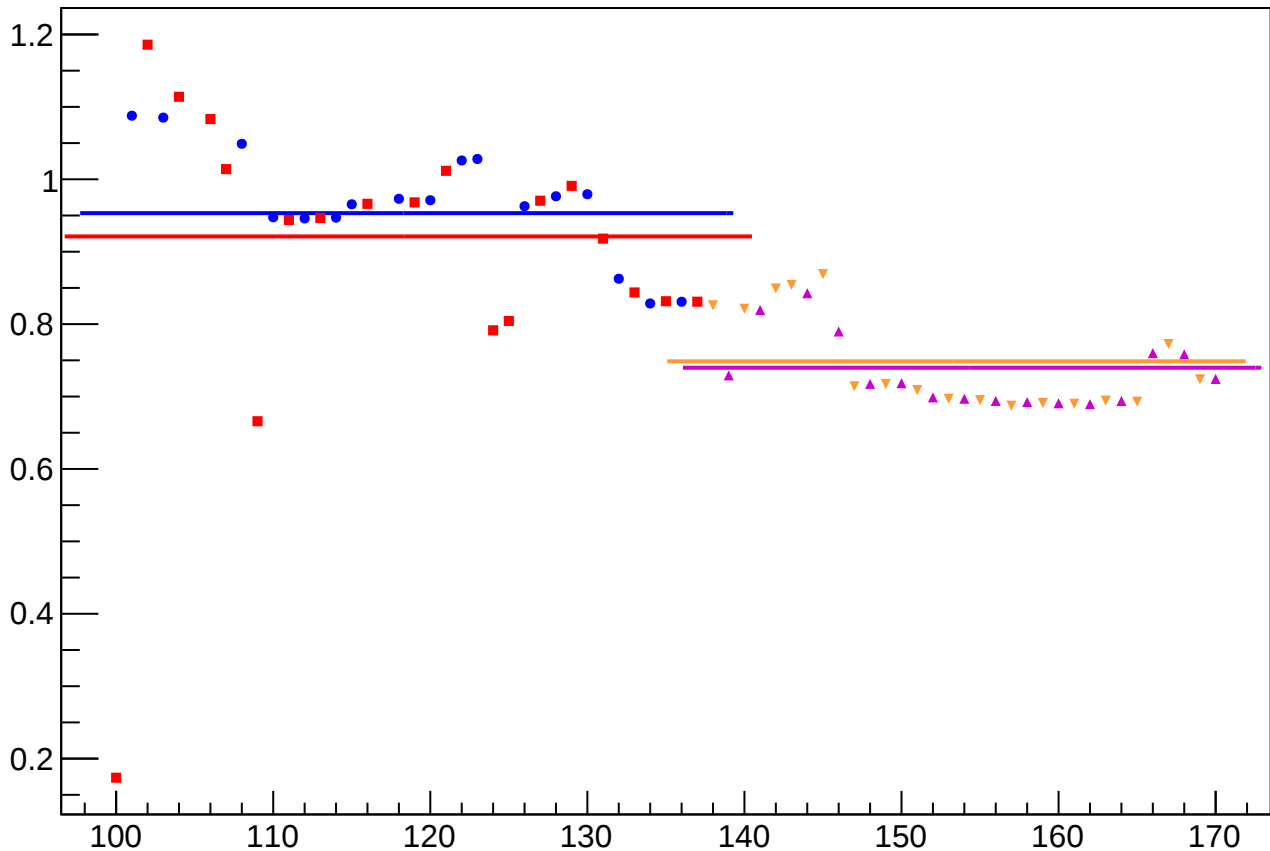
Left In: 0.014+/-0.000 χ^2/NDF :1874537.1/15

+ sign 0.015+/-0.000 χ^2/NDF : 7684642.9/33

All: 0.015+/-0.000 χ^2/NDF : 15183078.2/68

- sign 0.015+/-0.000 χ^2/NDF : 7496004.8/34

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.749 $\pm$ 0.000 χ^2 /NDF: 262142414.8/16

+ sign 0.817 $\pm$ 0.000 χ^2 /NDF: 1299339335.2/33

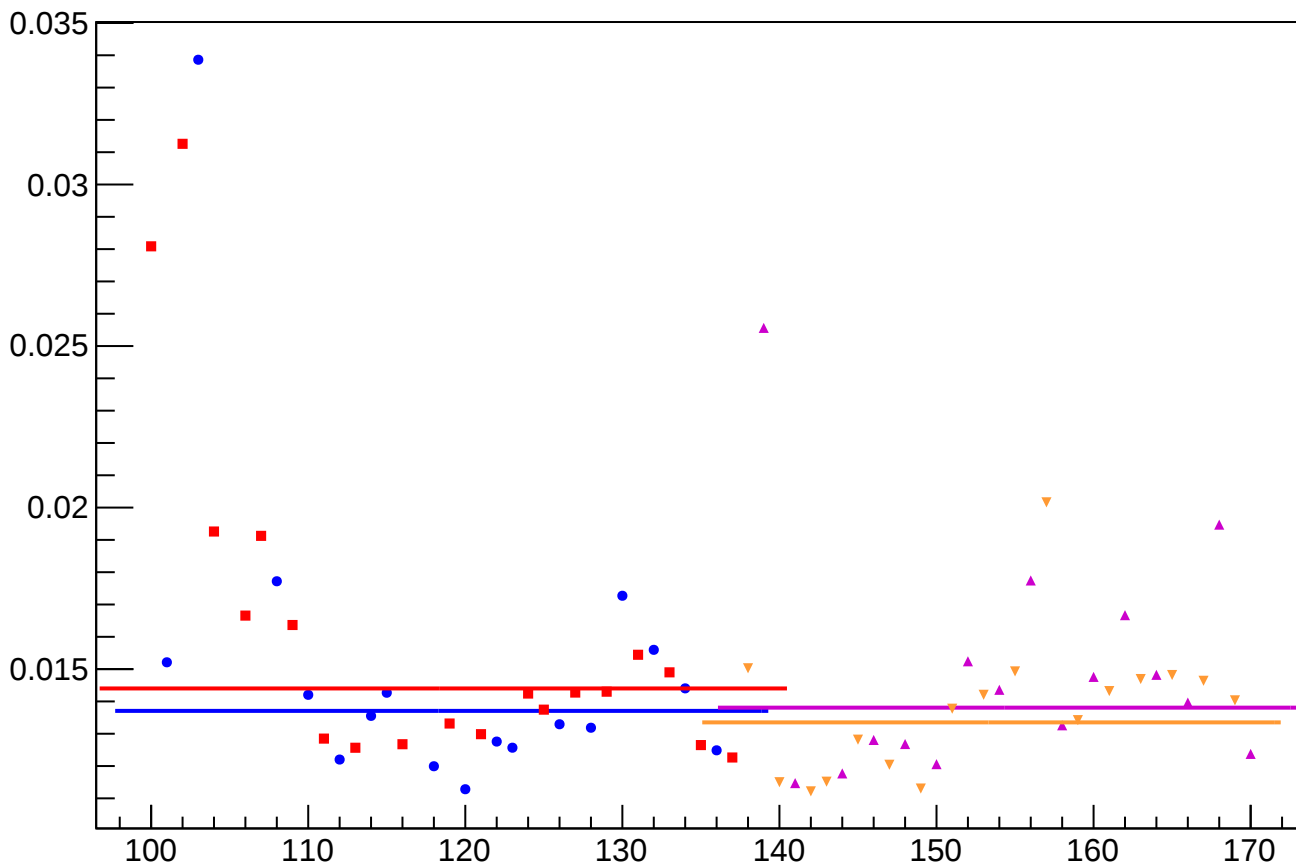
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374221279.1/18

All: 0.809 $\pm$ 0.000 χ^2 /NDF: 2481716313.3/68

- sign 0.801 $\pm$ 0.000 χ^2 /NDF: 1170708121.9/34

Left In: 0.740 $\pm$ 0.000 χ^2 /NDF: 157708395.9/15

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 546317.6/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 369989.9/16

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

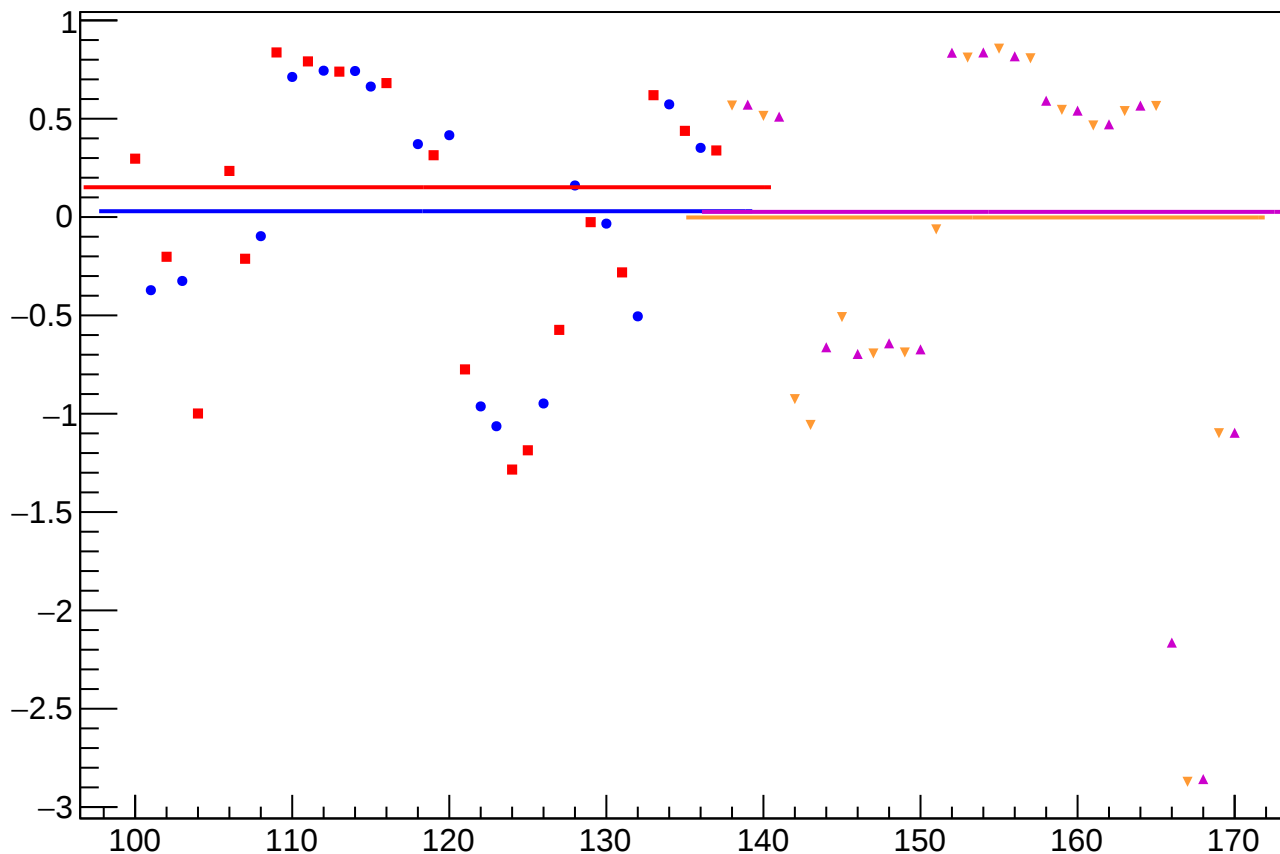
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 724378.2/15

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 921527.9/33

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2187283.0/68

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1239875.5/34

yield_bpm11Y_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: -0.002 $\pm$ 0.000 χ^2 /NDF: 67682663350.0/16

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12661812059.7/18

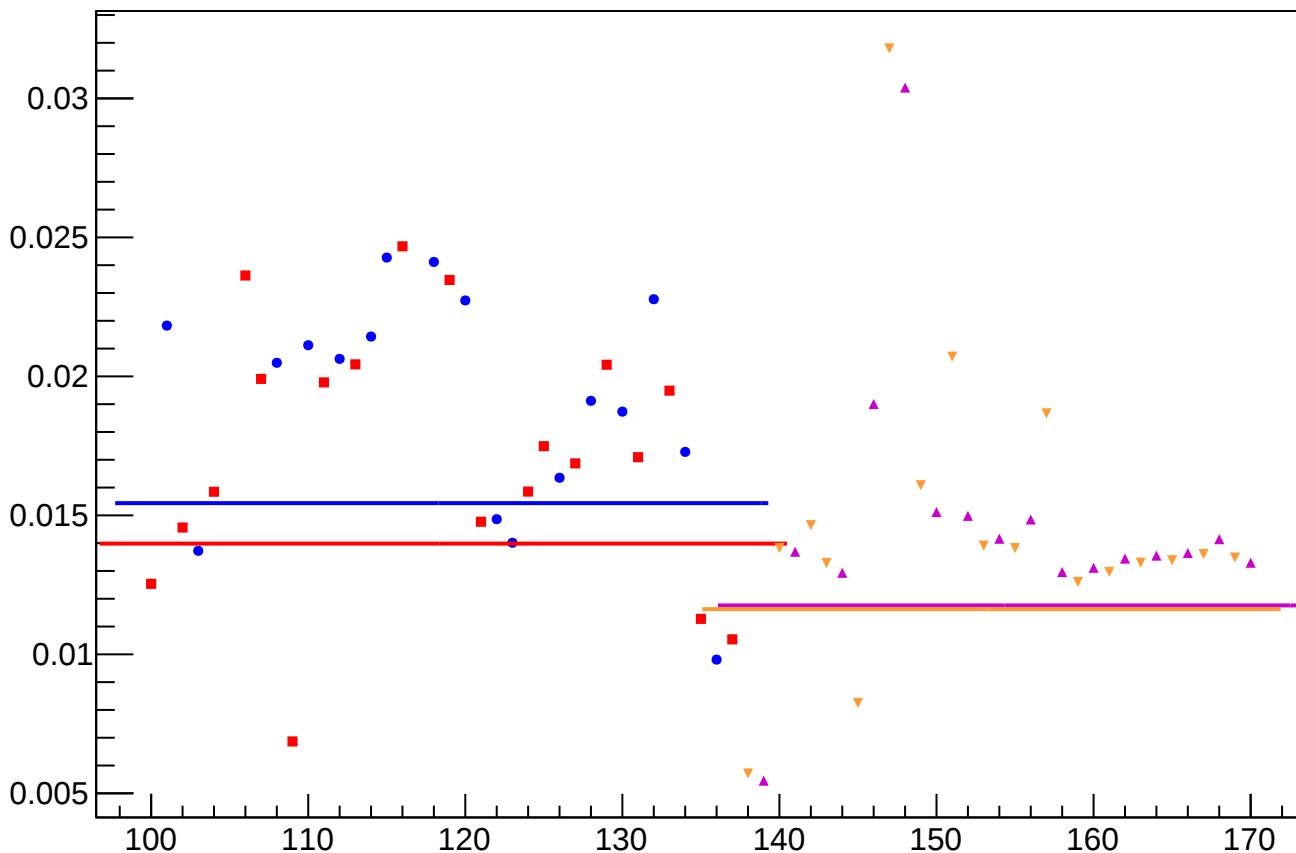
Left In: 0.026 $\pm$ 0.000 χ^2 /NDF: 77712644839.7/15

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 73995758445.7/33

All: 0.033 $\pm$ 0.000 χ^2 /NDF: 164852834442.8

- sign 0.061 $\pm$ 0.000 χ^2 /NDF: 90699991268.2/34

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.012+/-0.000 χ^2/NDF : 2970543.0/16

Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

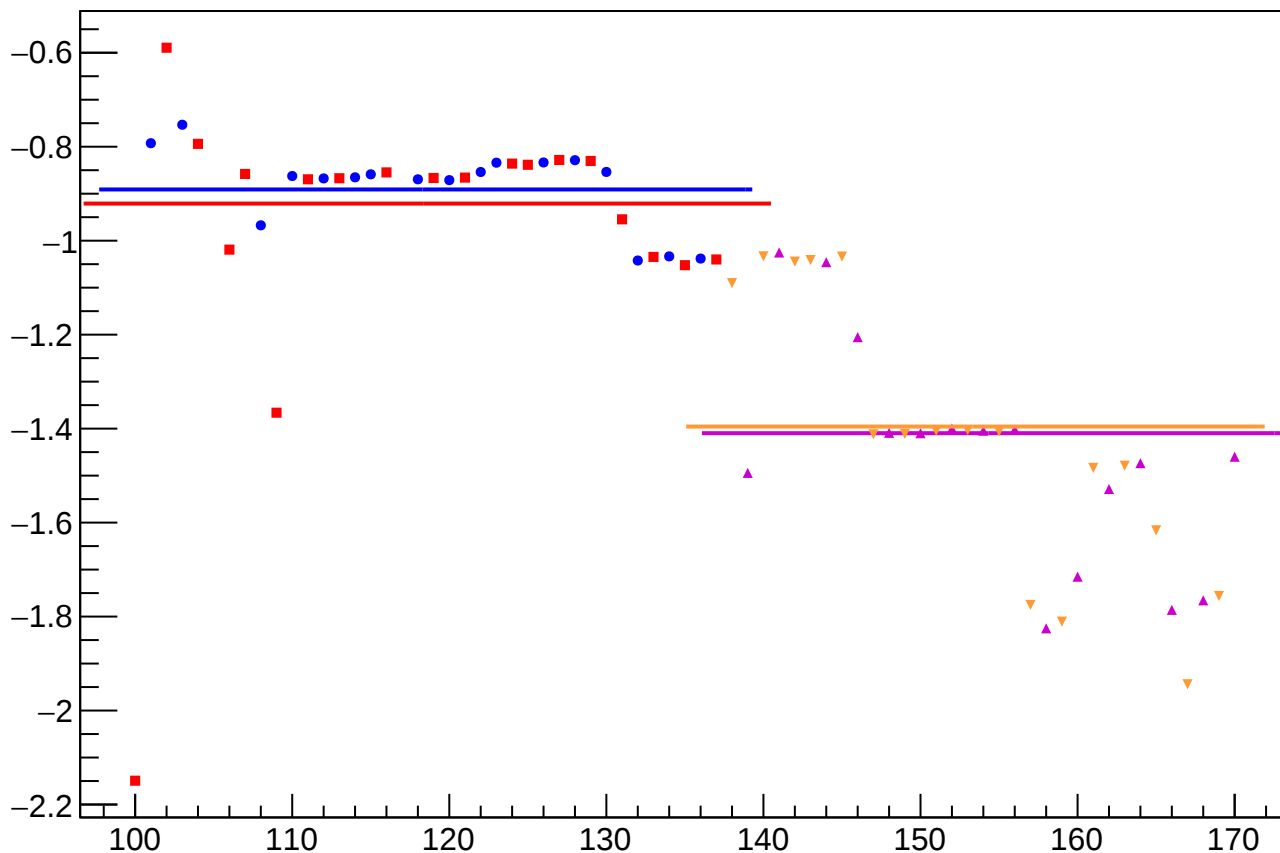
Left In: 0.012+/-0.000 χ^2/NDF : 2938870.1/15

+ sign 0.013+/-0.000 χ^2/NDF : 4660793.4/33

All: 0.012+/-0.000 χ^2/NDF : 9368319.5/68

- sign 0.012+/-0.000 χ^2/NDF : 4705187.8/34

yield_bpm12X_mean vs Slug



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.396+/-0.000 χ^2/NDF : 715166178.6/16

Right Out: -0.921+/-0.000 χ^2/NDF : 131183059.9/18

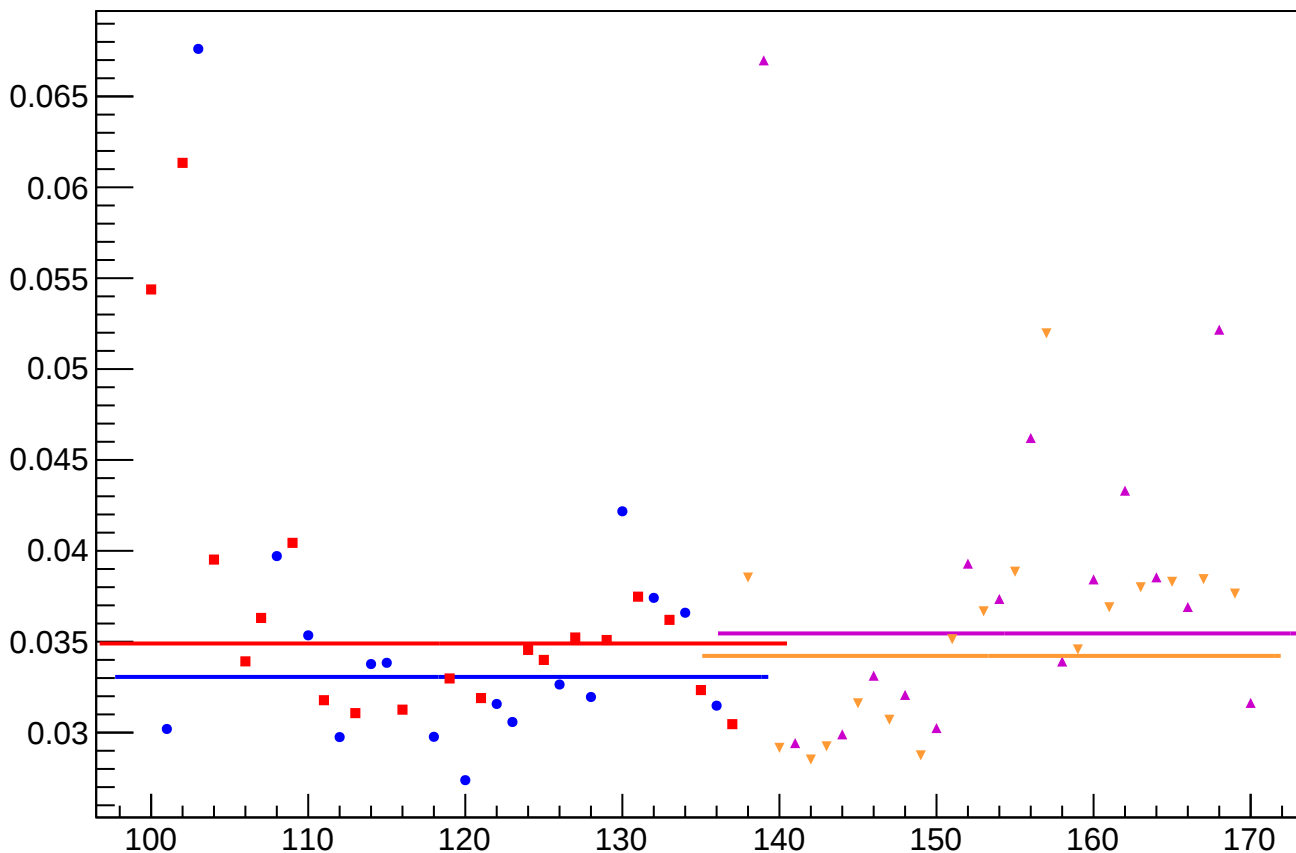
Left In: -1.410+/-0.000 χ^2/NDF : 511069871.0/15

+ sign -1.210+/-0.000 χ^2/NDF : 1620227224.3/33

All: -1.219+/-0.000 χ^2/NDF : 3025916013.4/6

- sign -1.229+/-0.000 χ^2/NDF : 1403173696.7/34

yield_bpm12X_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 409286.7/16

Left Out: 0.034 $\pm$ 0.000 χ^2 /NDF: 418954.8/16

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 274270.8/18

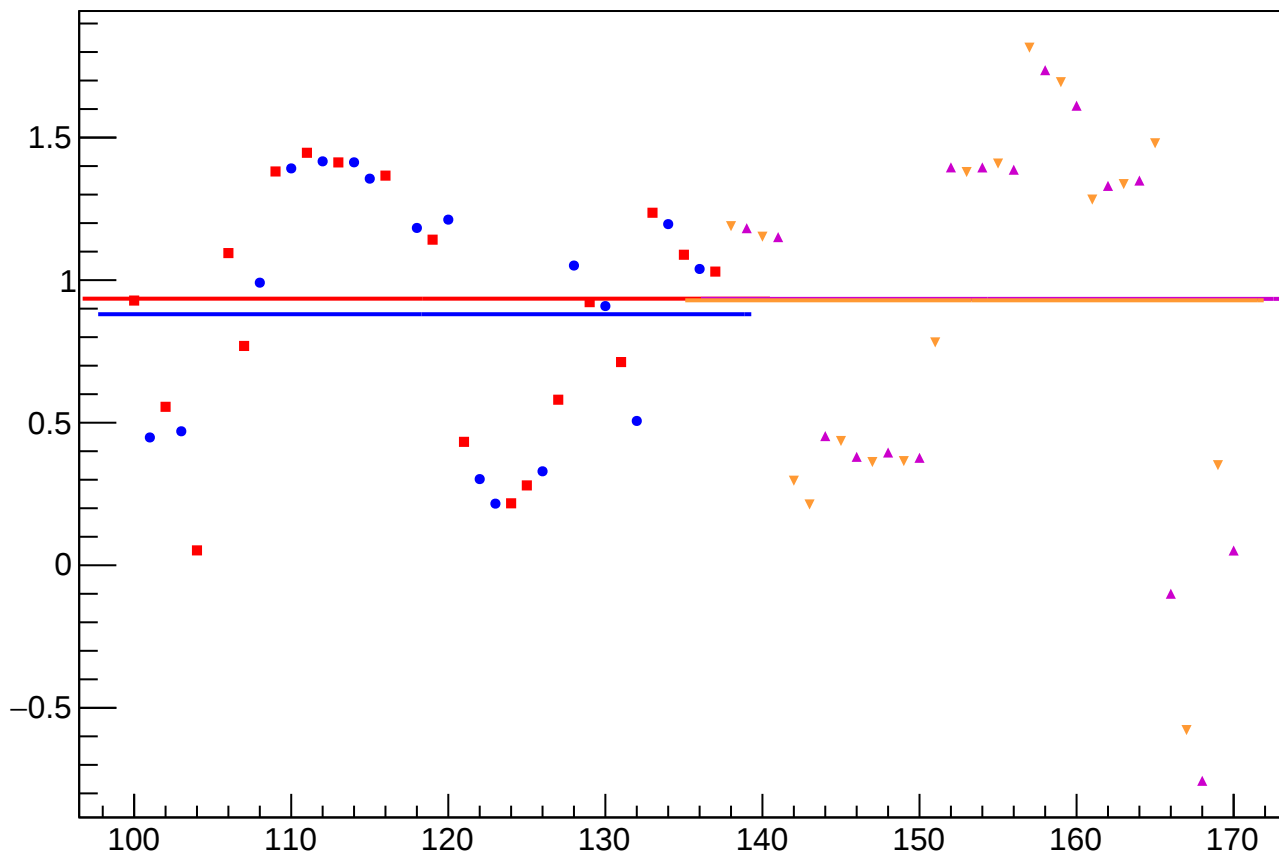
Left In: 0.035 $\pm$ 0.000 χ^2 /NDF: 808740.5/15

+ sign 0.034 $\pm$ 0.000 χ^2 /NDF: 837338.0/33

All: 0.034 $\pm$ 0.000 χ^2 /NDF: 1952295.2/68

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1084963.8/34

yield_bpm12Y_mean vs Slug



Right In: 0.880 ± 0.000 χ^2/NDF : 6400108121.4/16

Left Out: 0.929 ± 0.000 χ^2/NDF : 56390020321.9/16

Right Out: 0.935 ± 0.000 χ^2/NDF : 9833525935.6/18

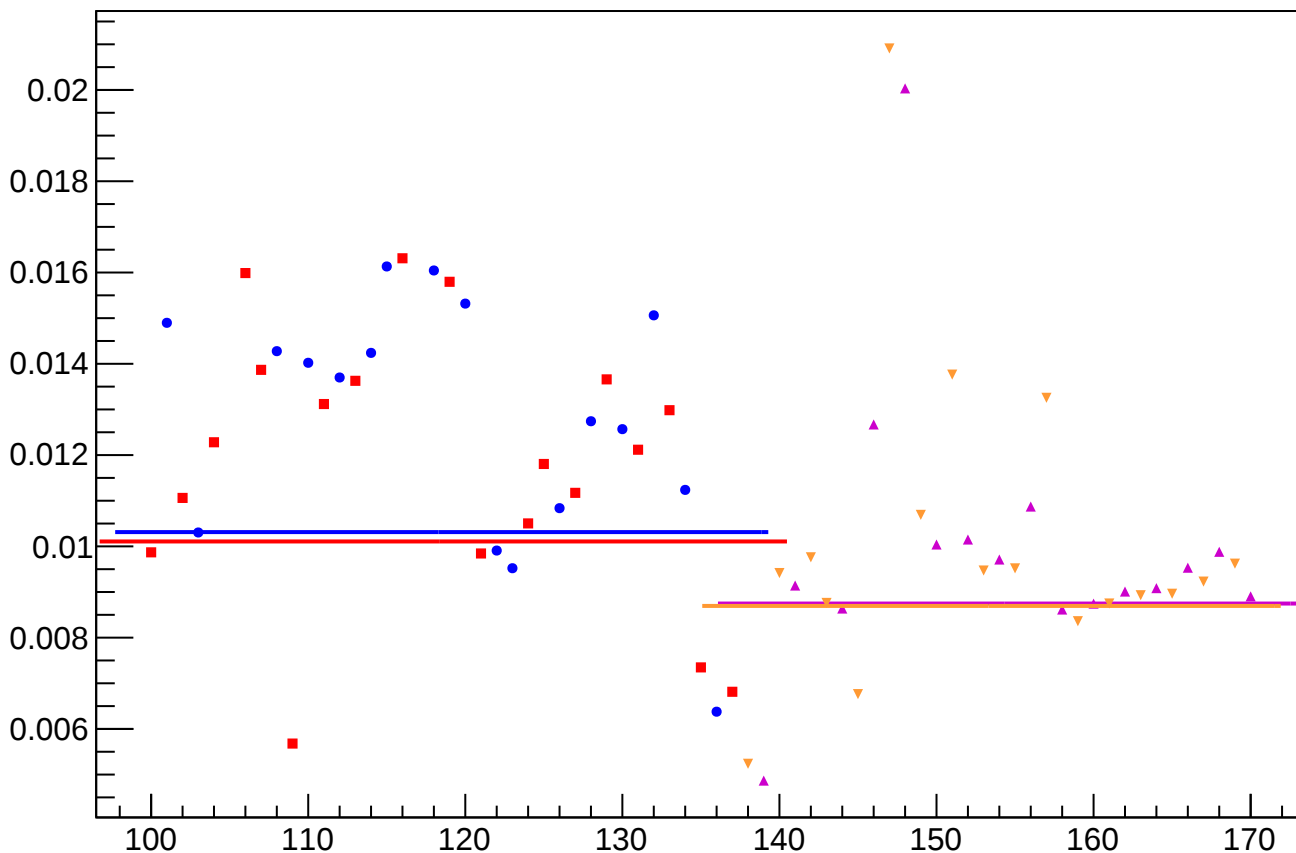
Left In: 0.934 ± 0.000 χ^2/NDF : 65037036554.1/15

+ sign 0.916 ± 0.000 χ^2/NDF : 62882616488.7/33

All: 0.926 ± 0.000 χ^2/NDF : 137786123177.9

- sign 0.935 ± 0.000 χ^2/NDF : 74870583704.6/34

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1231066.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 1678642.0/16

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

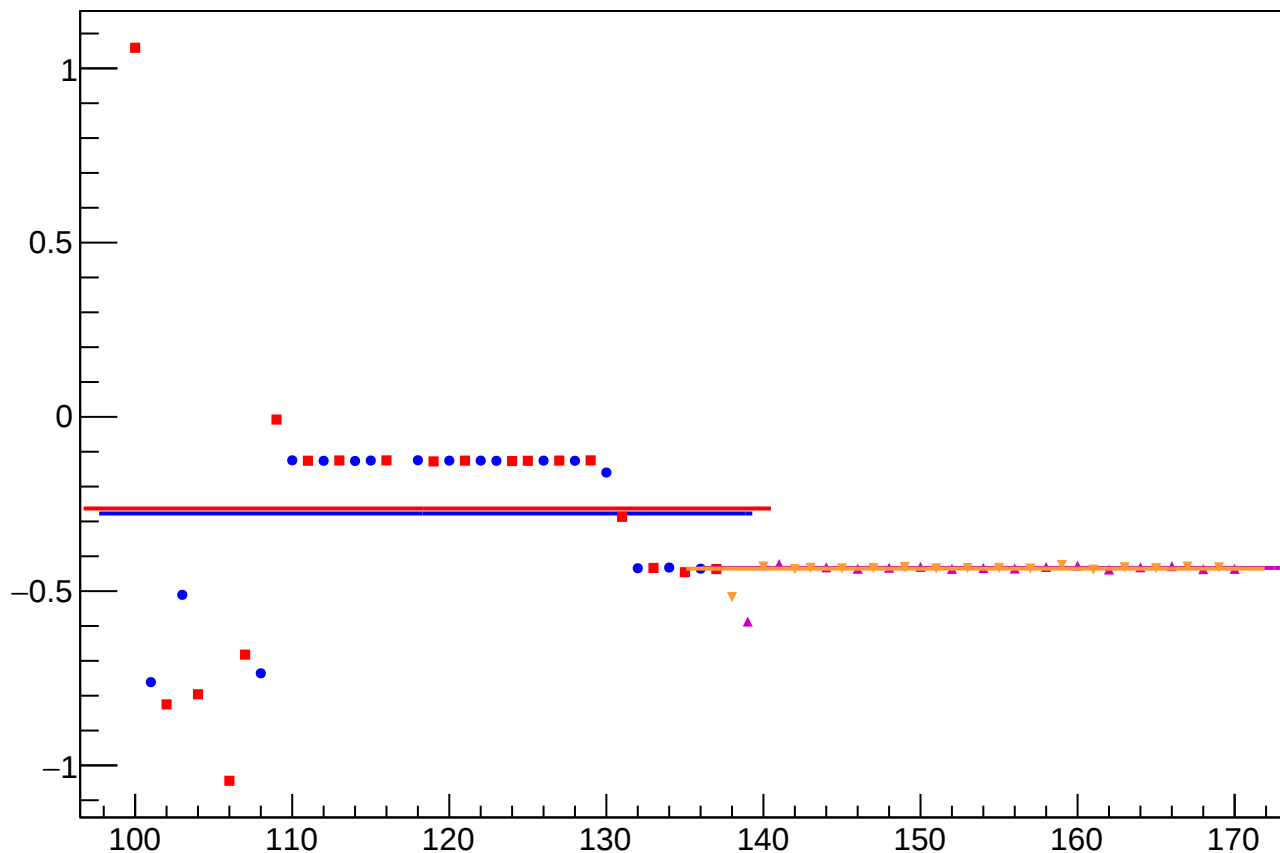
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1592384.6/15

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3113399.8/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6036135.4/68

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2922707.9/34

yield_bpm16X_mean vs Slug



Right In: -0.277 ± 0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.435 ± 0.000 χ^2/NDF : 25982322.7/16

Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

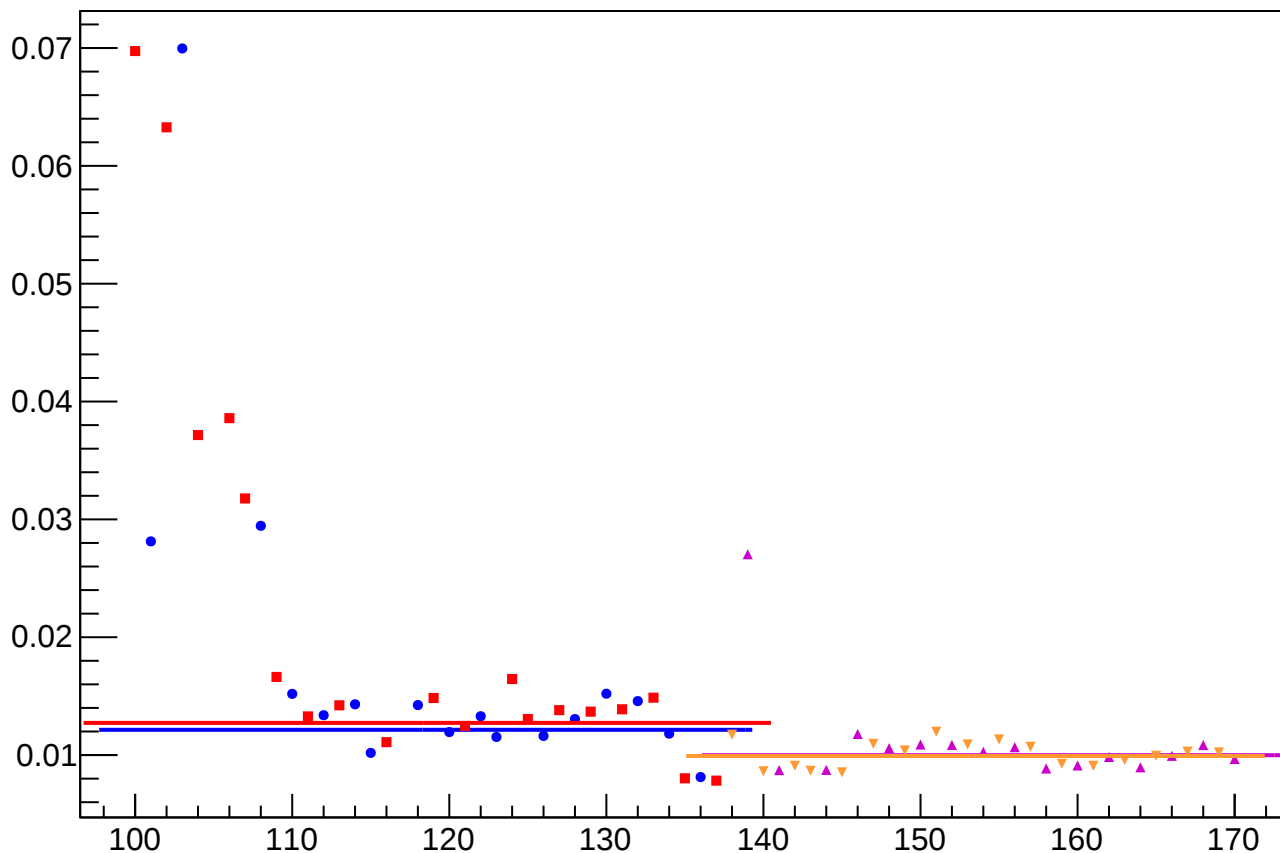
Left In: -0.433 ± 0.000 χ^2/NDF : 23627998.8/15

+ sign -0.399 ± 0.000 χ^2/NDF : 1583919561.9/33

All: -0.397 ± 0.000 χ^2/NDF : 3292570203.9/6

- sign -0.395 ± 0.000 χ^2/NDF : 1707658302.7/34

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1727494.7/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:227553.2/16

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1969165.0/18

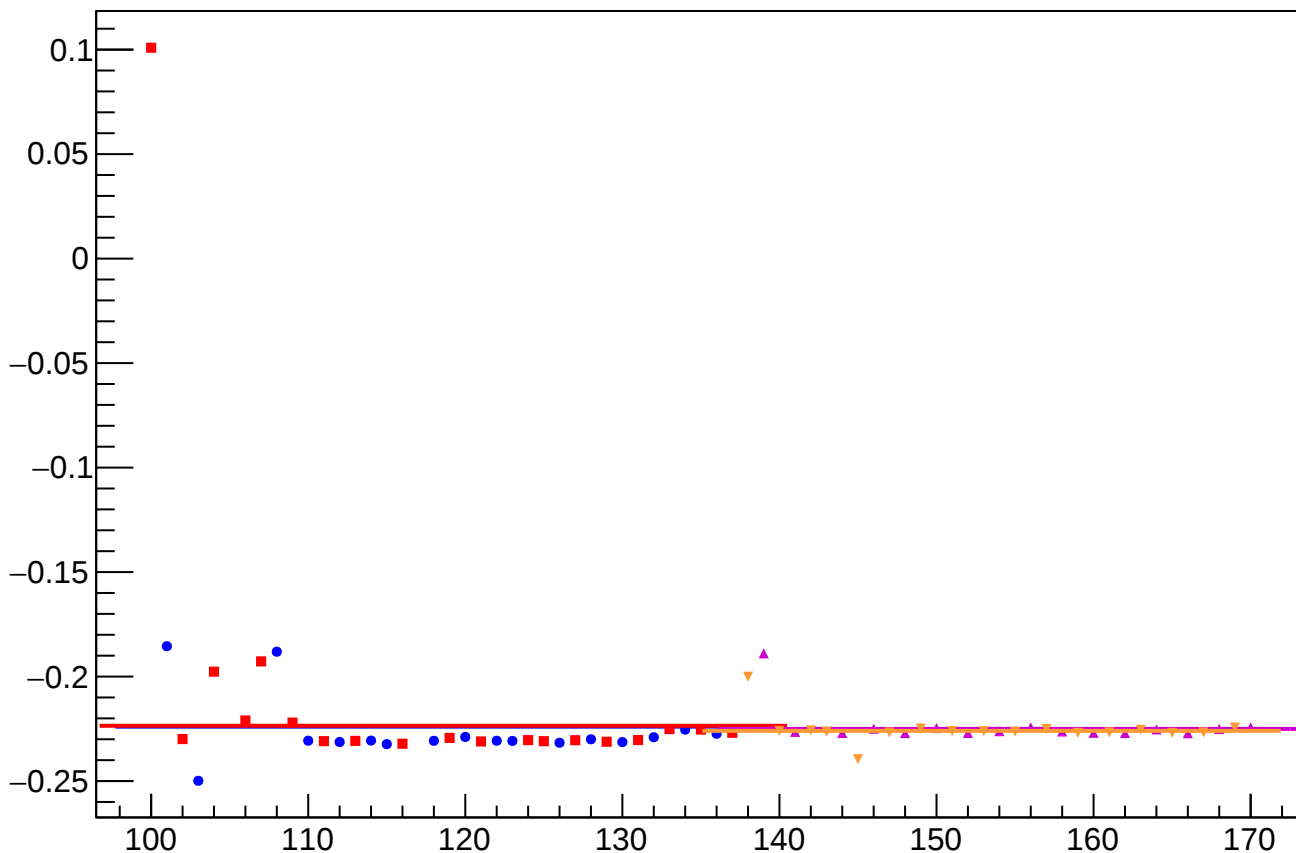
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:704932.7/15

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2198409.8/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5225298.6/68

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3022931.6/34

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74704721.6/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20686247.9/16

+ sign -0.225+/-0.000 χ^2/NDF : 96099066.0/33

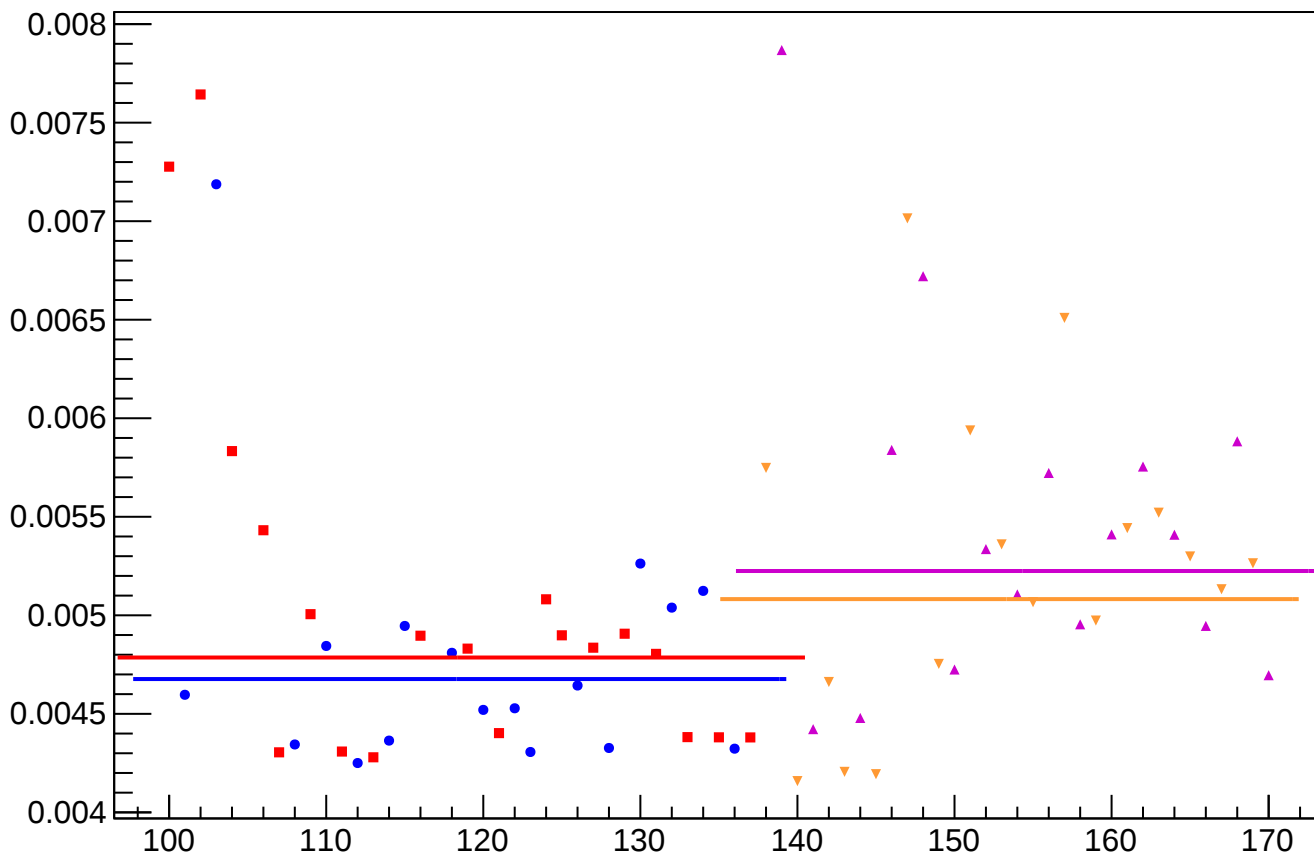
Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

All: -0.225+/-0.000 χ^2/NDF : 279163657.8/68

- sign -0.224+/-0.000 χ^2/NDF : 182855758.4/34

Left In: -0.225+/-0.000 χ^2/NDF : 14355941.3/15

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 181335.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 449695.3/16

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

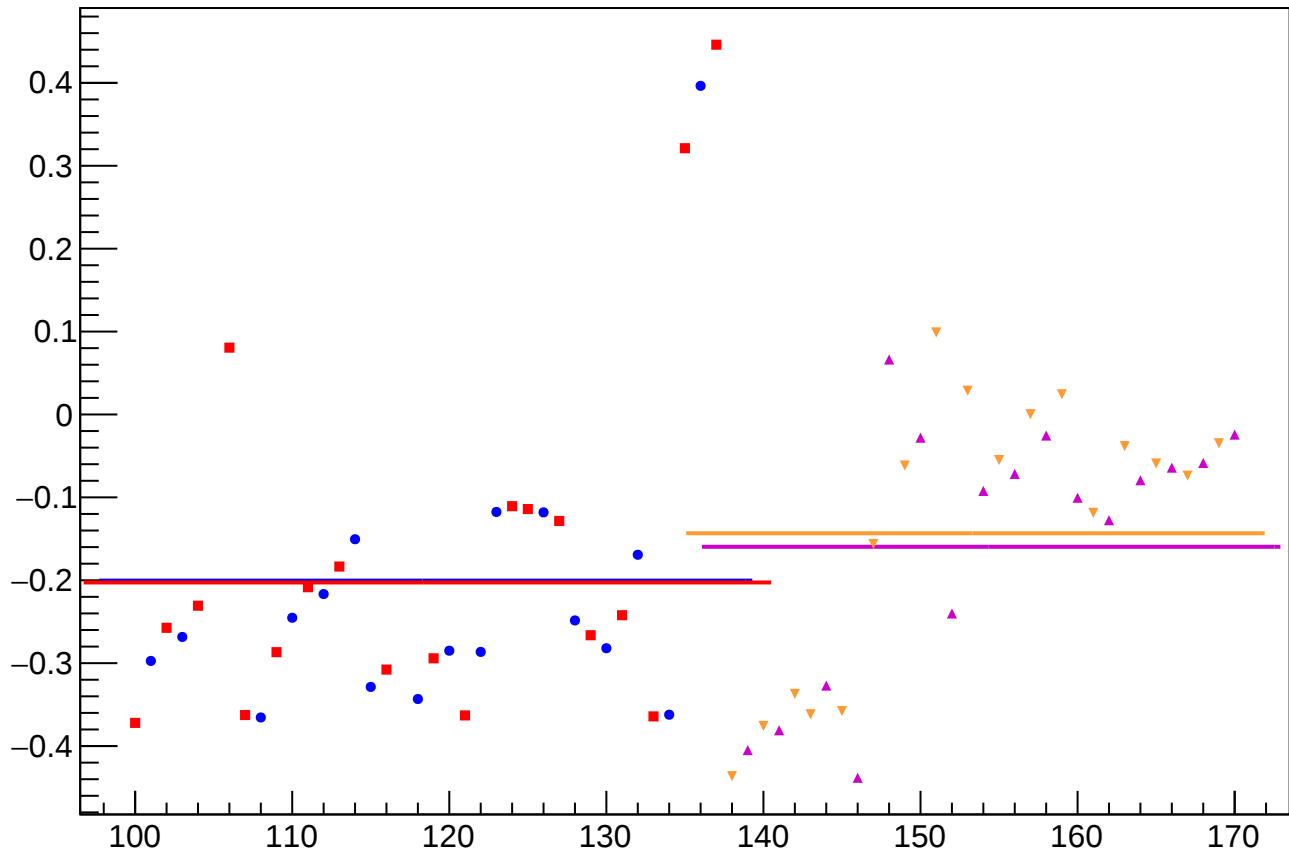
Left In: 0.005+/-0.000 χ^2/NDF : 425722.6/15

+ sign 0.005+/-0.000 χ^2/NDF : 687499.8/33

All: 0.005+/-0.000 χ^2/NDF : 1437245.1/68

- sign 0.005+/-0.000 χ^2/NDF : 738966.0/34

yield_bpm0i02X_mean vs Slug



Right In: -0.200+/-0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.143+/-0.000 χ^2/NDF : 11496164916.3/16

Right Out: -0.203+/-0.000 χ^2/NDF : 5028268807.1/18

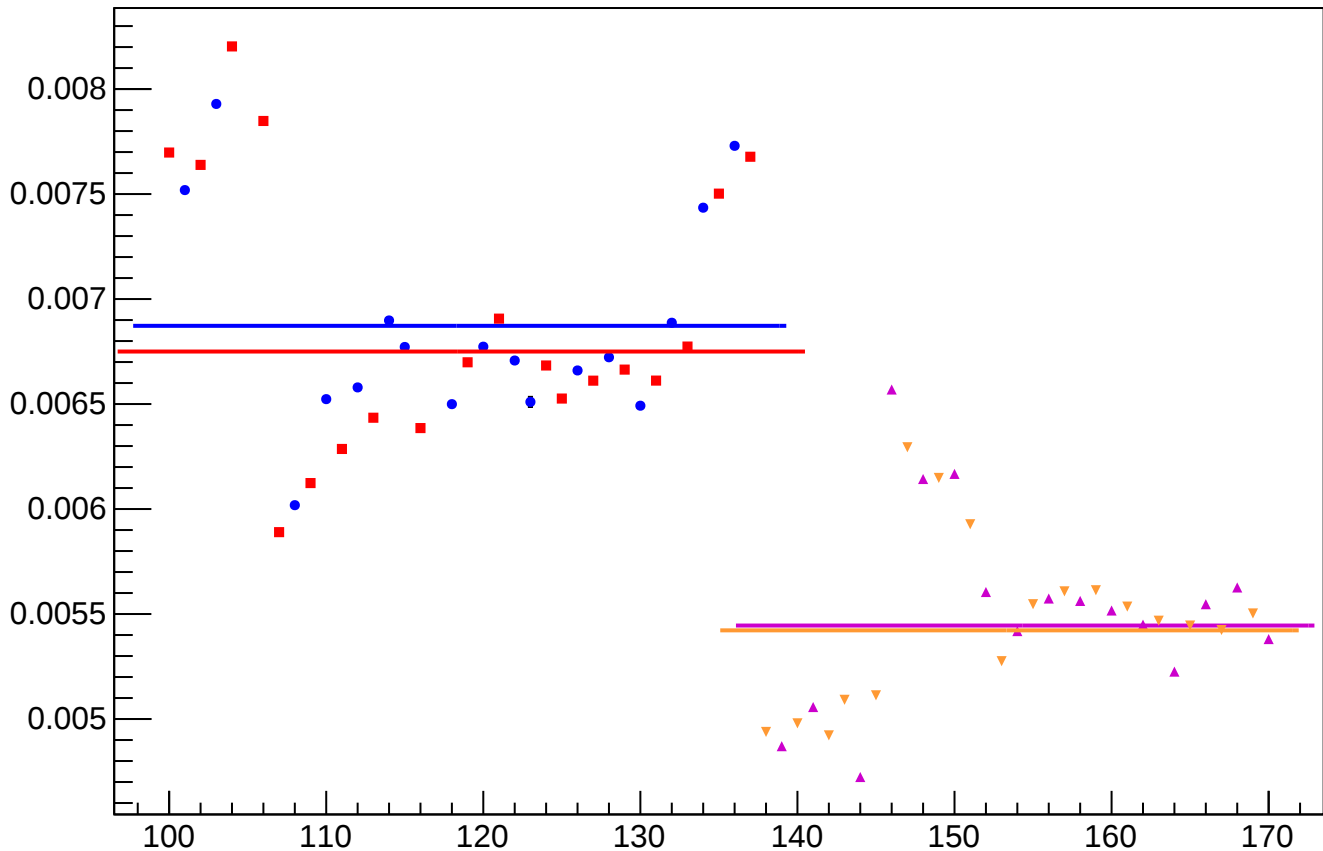
Left In: -0.160+/-0.000 χ^2/NDF : 8759940021.3/15

+ sign -0.158+/-0.000 χ^2/NDF : 17807104799.5/33

All: -0.165+/-0.000 χ^2/NDF : 31847656606.1/34

- sign -0.172+/-0.000 χ^2/NDF : 13990130188.0/34

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 78611.6/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:105925.9/16

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 105124.4/18

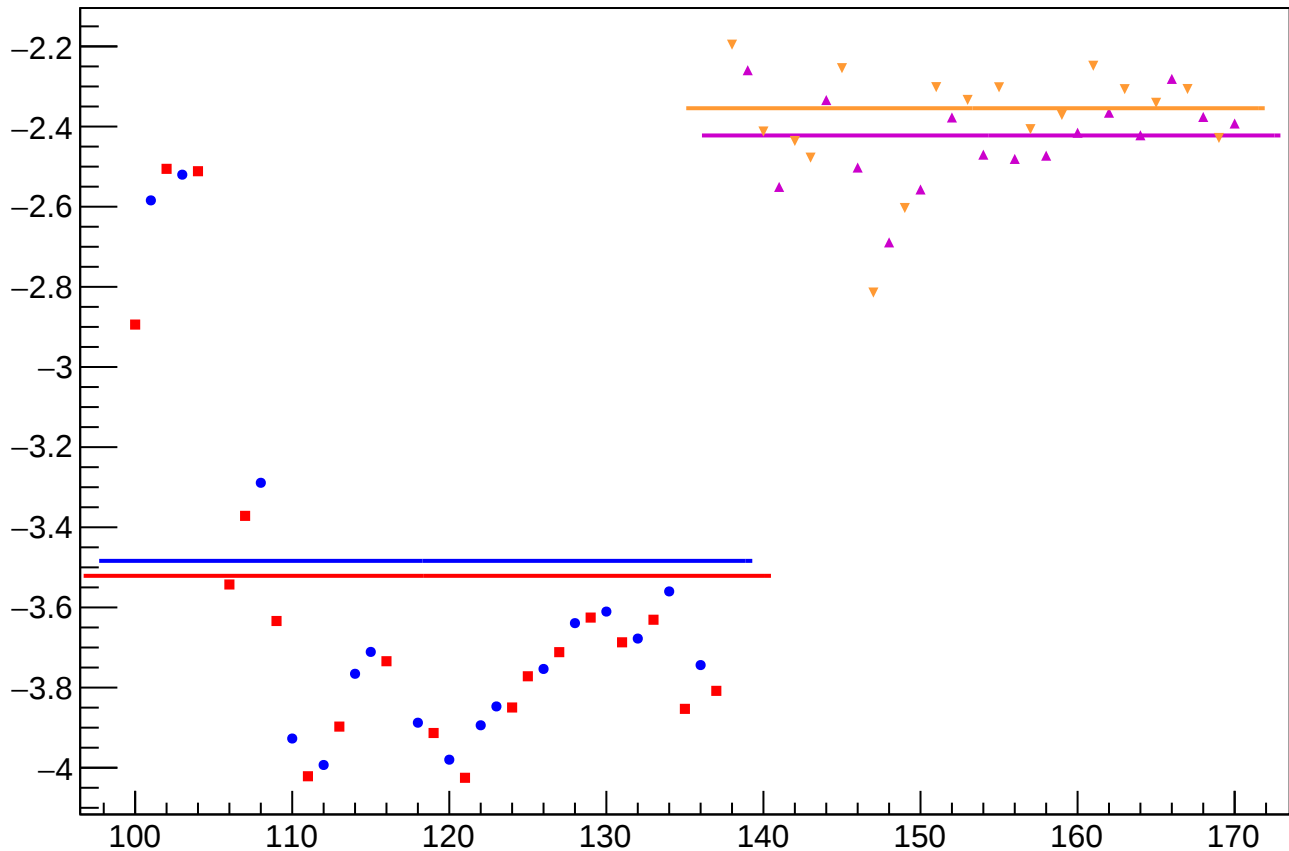
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:148200.1/15

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 619228.9/33

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1243800.0/68

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 624468.6/34

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.354+/-0.000 χ^2/NDF : 1738784216.5/16

Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

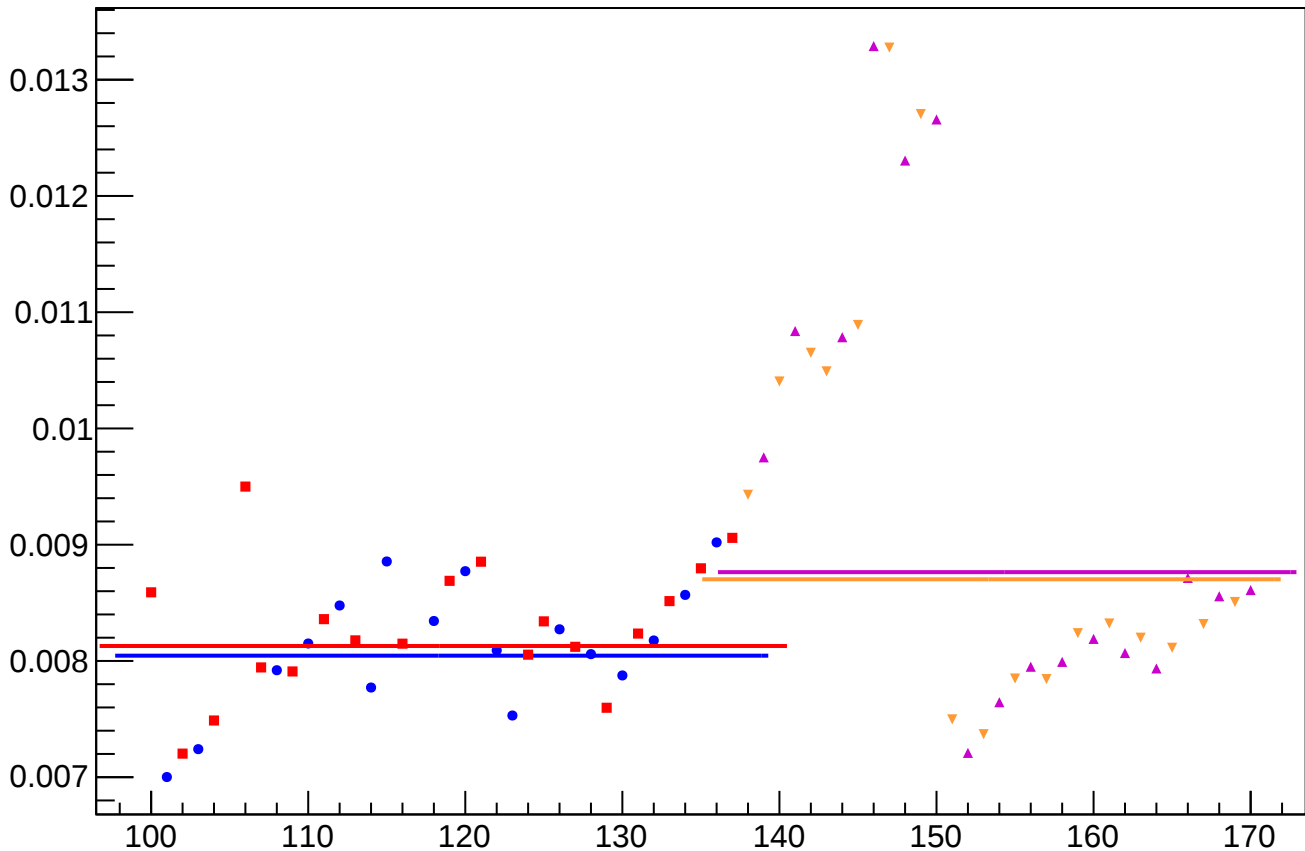
Left In: -2.422+/-0.000 χ^2/NDF : 1135964396.7/15

+ sign -2.802+/-0.000 χ^2/NDF : 106380038319.8/33

All: -2.836+/-0.000 χ^2/NDF : 207935445332.7

- sign -2.870+/-0.000 χ^2/NDF : 100965592315.1/34

yield_bpm0i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 71989.8/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 593987.0/16

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 57478.2/18

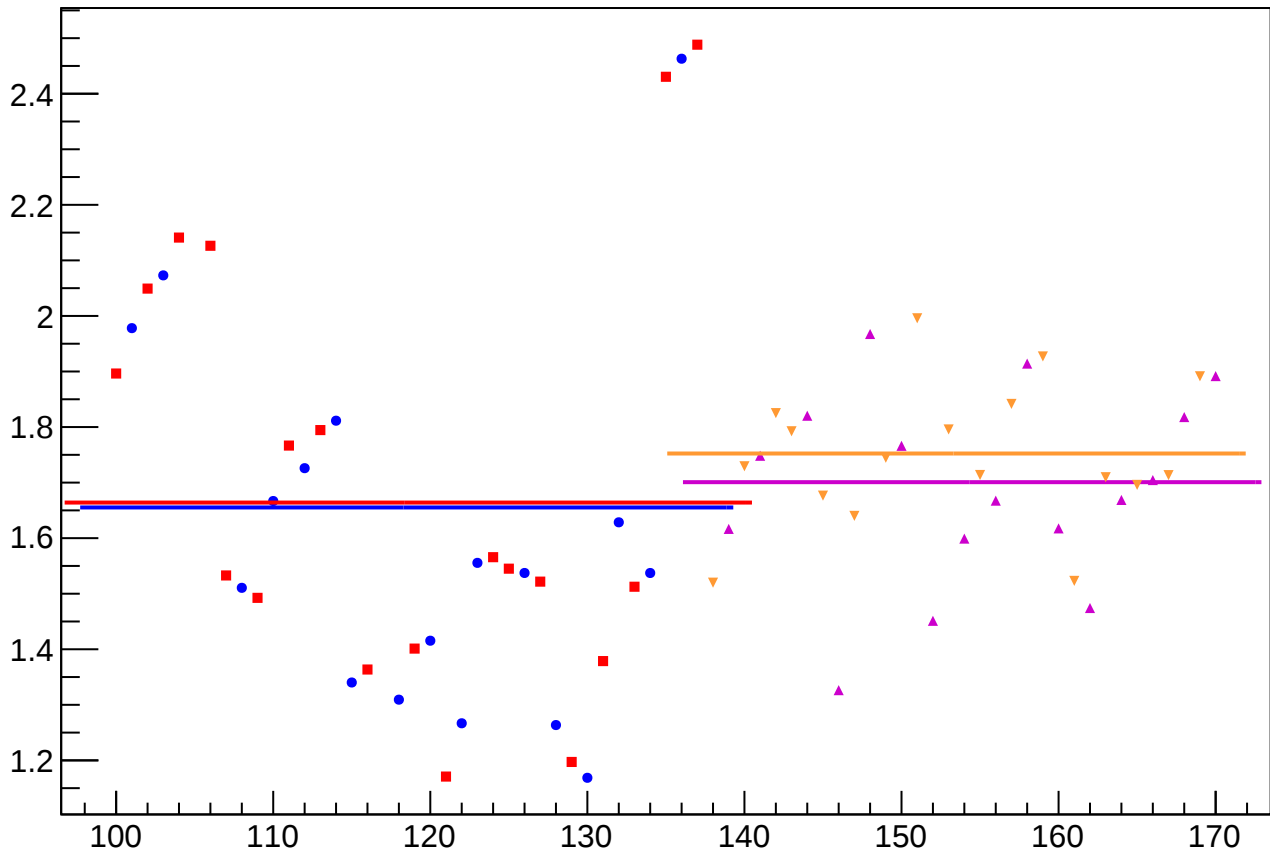
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 700465.3/15

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 718389.4/33

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 1526348.5/68

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 806956.5/34

yield_bpm0i02aX_mean vs Slug



Right In: 1.655+/-0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.752+/-0.000 χ^2/NDF : 1680088956.4/16

Right Out: 1.664+/-0.000 χ^2/NDF : 5944262279.7/18

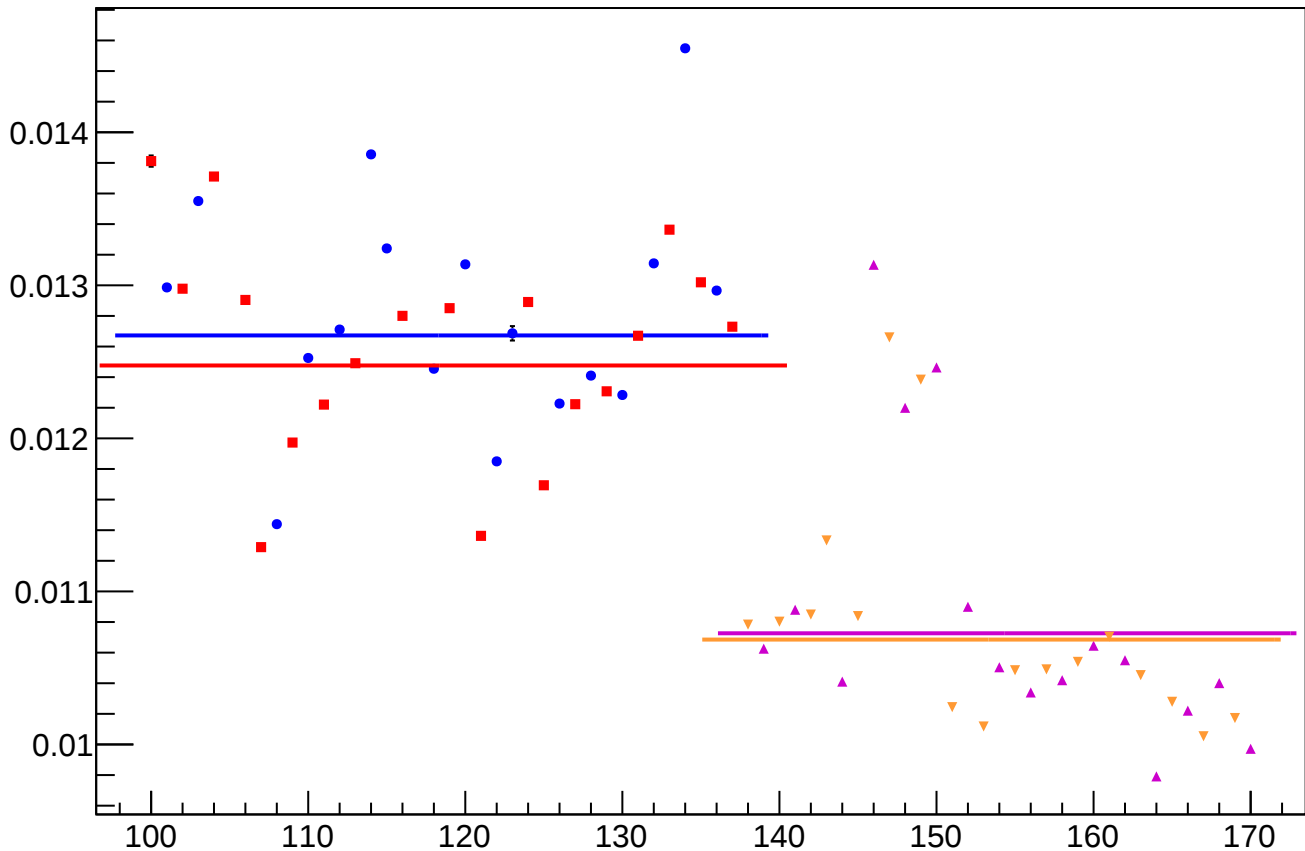
Left In: 1.701+/-0.000 χ^2/NDF : 2705957063.5/15

+ sign 1.725+/-0.000 χ^2/NDF : 8434369296.8/33

All: 1.707+/-0.000 χ^2/NDF : 17218914846.4/66

- sign 1.690+/-0.000 χ^2/NDF : 8691885373.1/34

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 31801.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 89257.6/16

Right Out: 0.012+/-0.000 χ^2/NDF : 39134.8/18

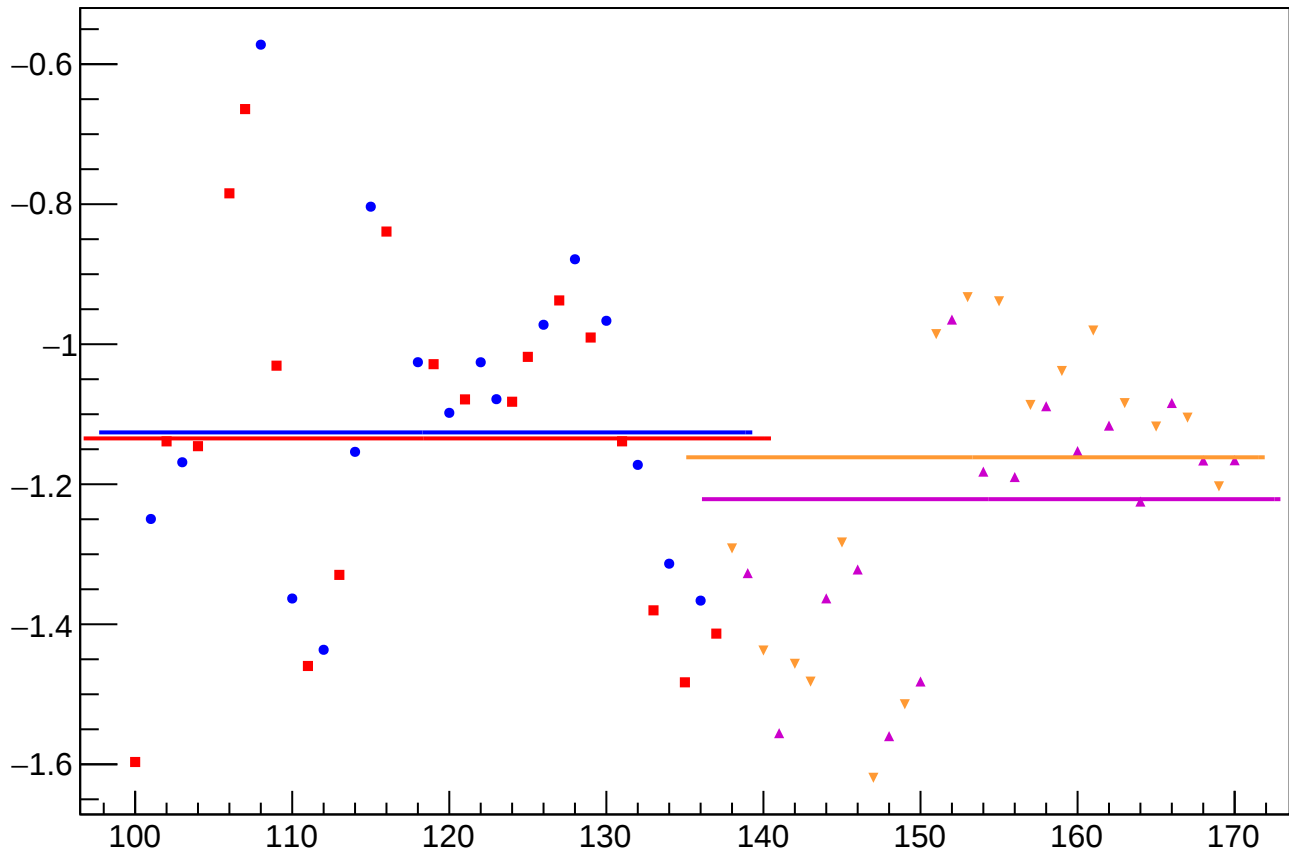
Left In: 0.011+/-0.000 χ^2/NDF : 129408.8/15

+ sign 0.011+/-0.000 χ^2/NDF : 353663.4/33

All: 0.011+/-0.000 χ^2/NDF : 711621.2/68

- sign 0.011+/-0.000 χ^2/NDF : 357931.7/34

yield_bpm0i02aY_mean vs Slug



Right In: -1.126 ± 0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.161 ± 0.000 χ^2/NDF : 7113658846.6/16

Right Out: -1.135 ± 0.000 χ^2/NDF : 3677461023.4/18

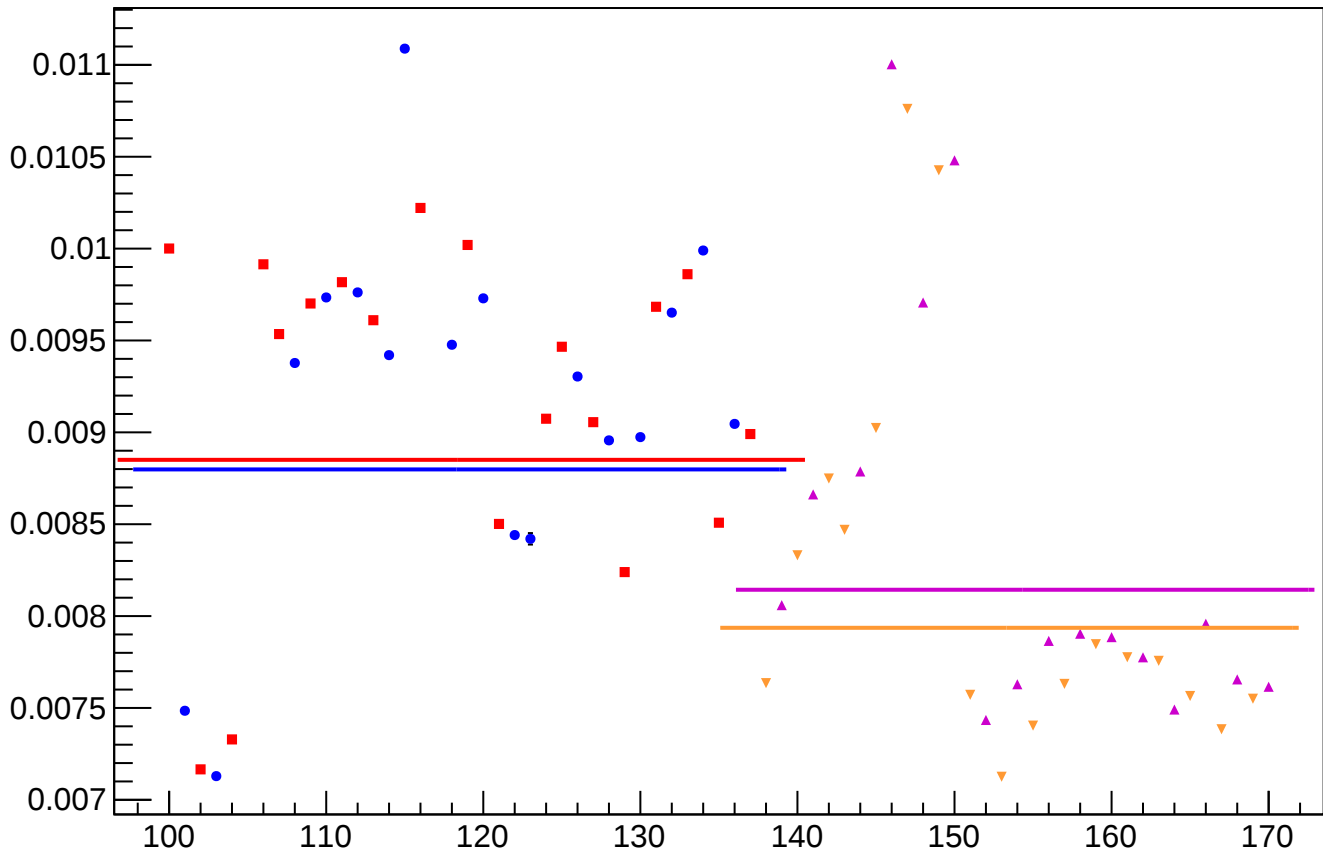
Left In: -1.221 ± 0.000 χ^2/NDF : 4502497015.2/15

+ sign -1.150 ± 0.000 χ^2/NDF : 10760324460.3/33

All: -1.171 ± 0.000 χ^2/NDF : 19604625928.3/34

- sign -1.193 ± 0.000 χ^2/NDF : 8608017705.2/34

yield_bpm0i02aY_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 151586.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:248496.1/16

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 173958.0/18

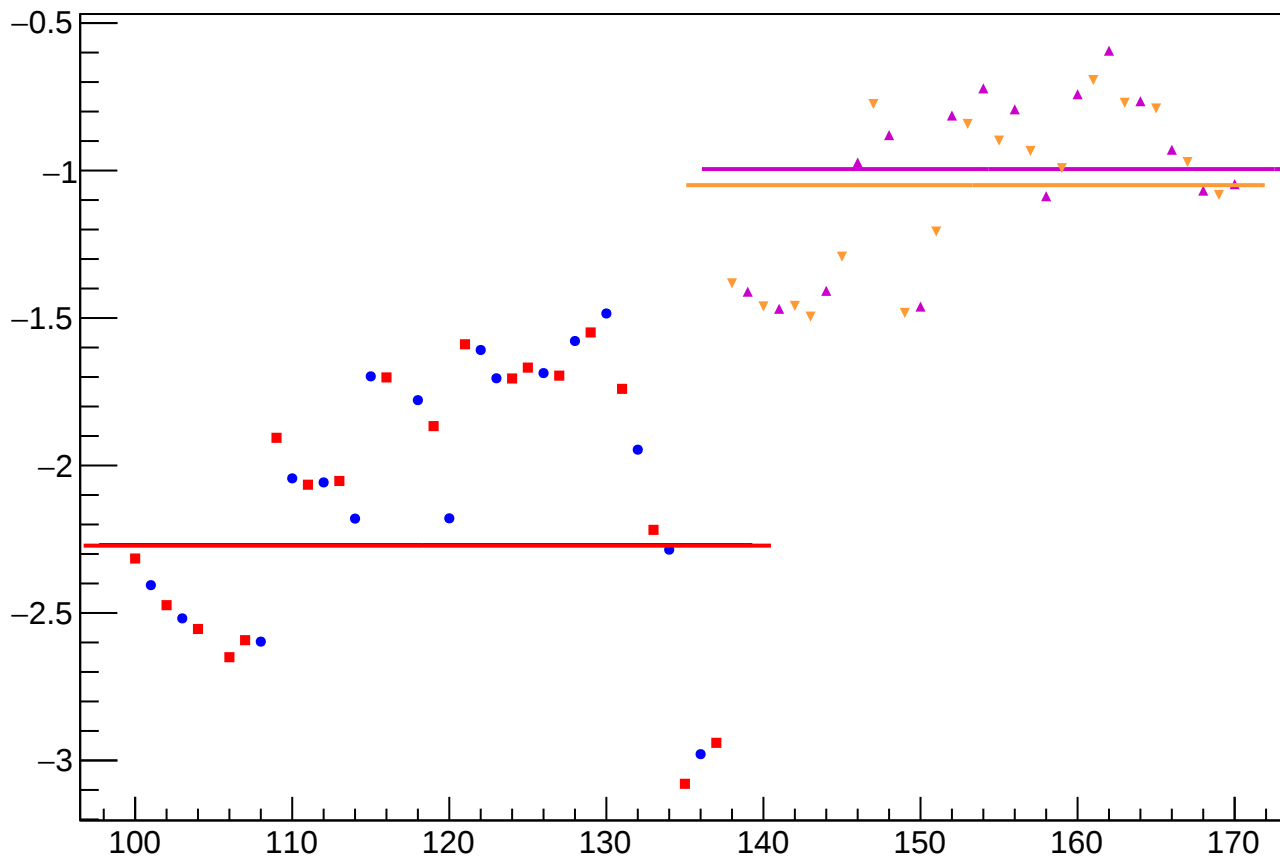
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:259126.0/15

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 484632.0/33

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 982290.7/68

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 489938.1/34

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.050+/-0.000 χ^2/NDF : 17539878514.7/16

Right Out: -2.272+/-0.000 χ^2/NDF : 19009331715.4/18

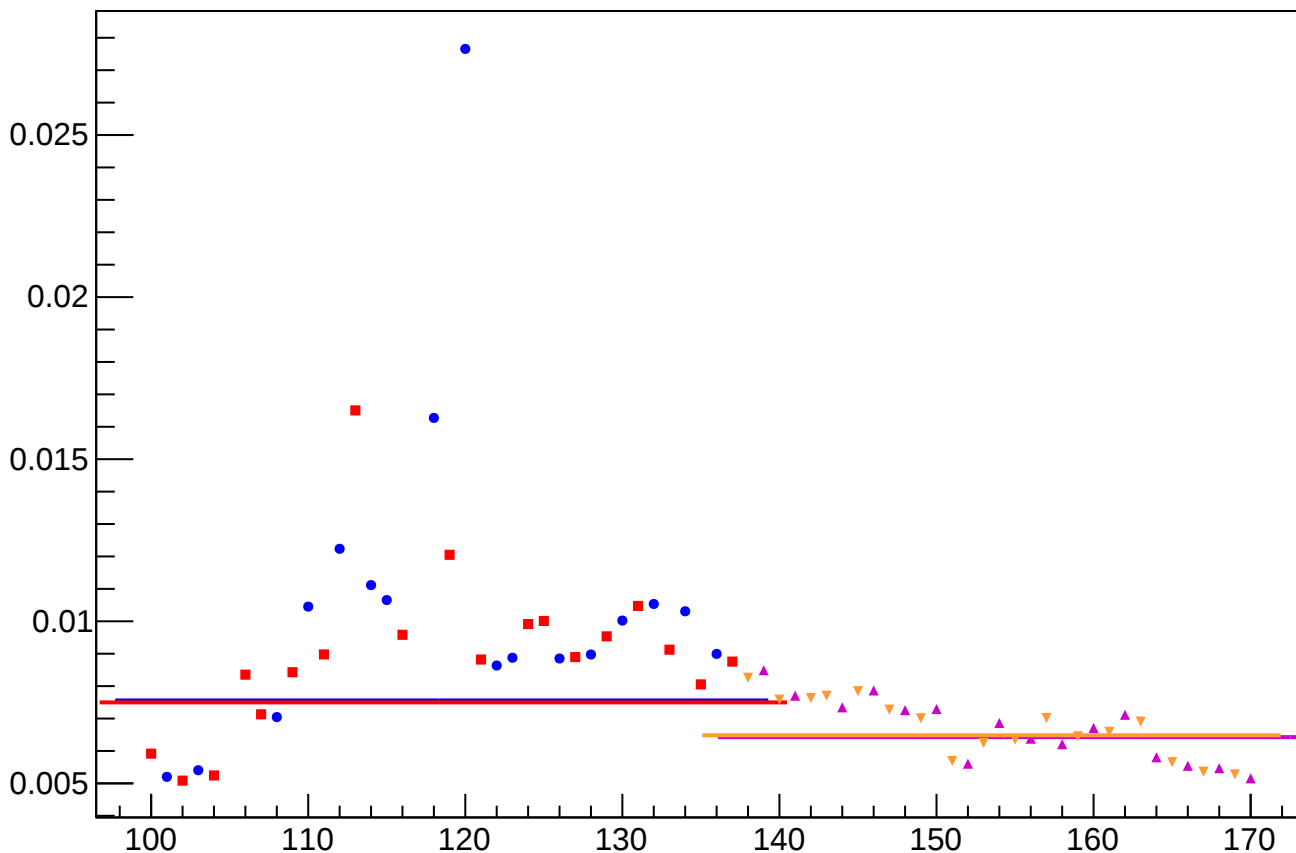
Left In: -0.995+/-0.000 χ^2/NDF : 18012412919.1/15

+ sign -1.349+/-0.000 χ^2/NDF : 133917697672.6/33

All: -1.341+/-0.000 χ^2/NDF : 290194070974.8

- sign -1.334+/-0.000 χ^2/NDF : 156234303923.3/34

yield_bpm0i05X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1221004.0/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 419163.2/16

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 933998.1/18

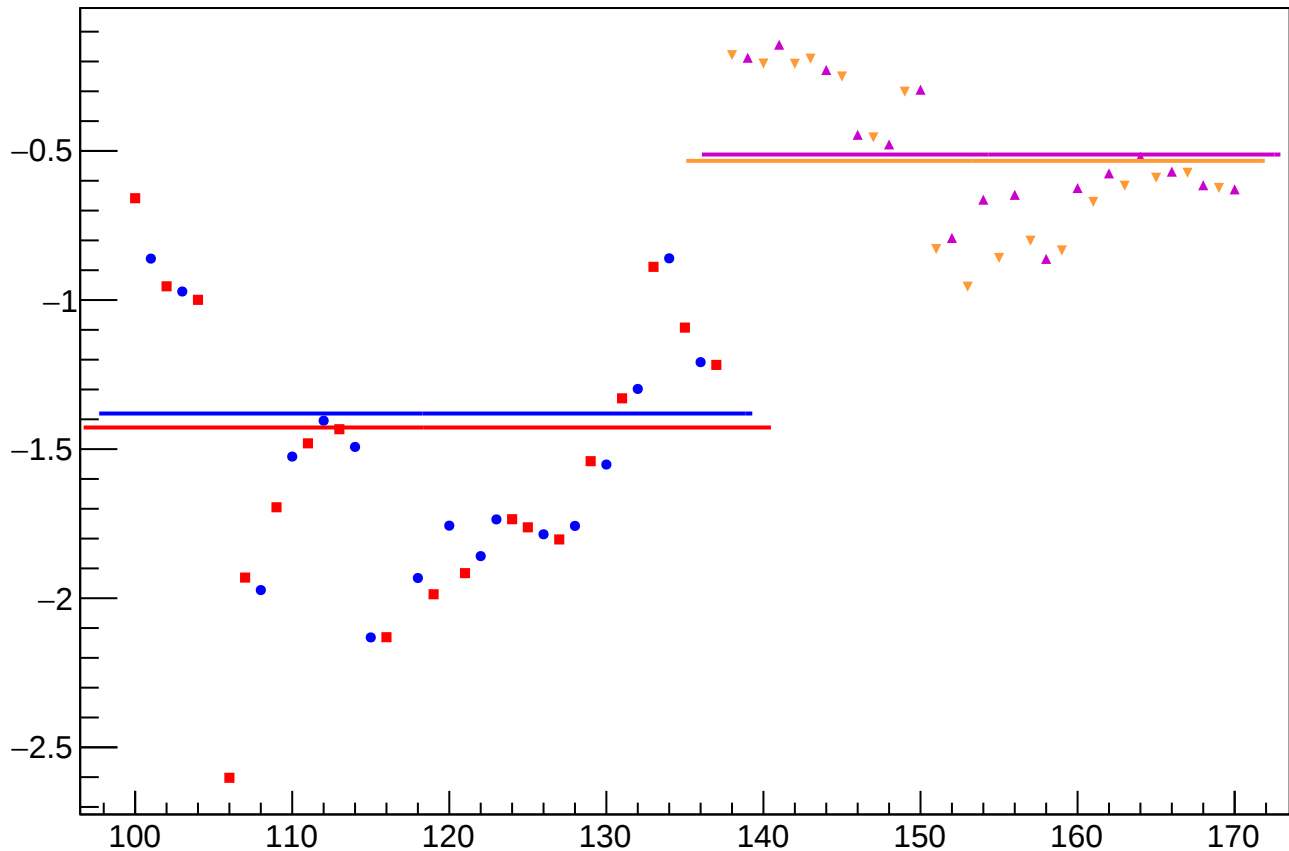
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 475255.3/15

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1793744.7/33

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3371414.5/68

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1577200.2/34

yield_bpm0i05Y_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.533+/-0.000 χ^2/NDF : 45009781569.2/16

Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

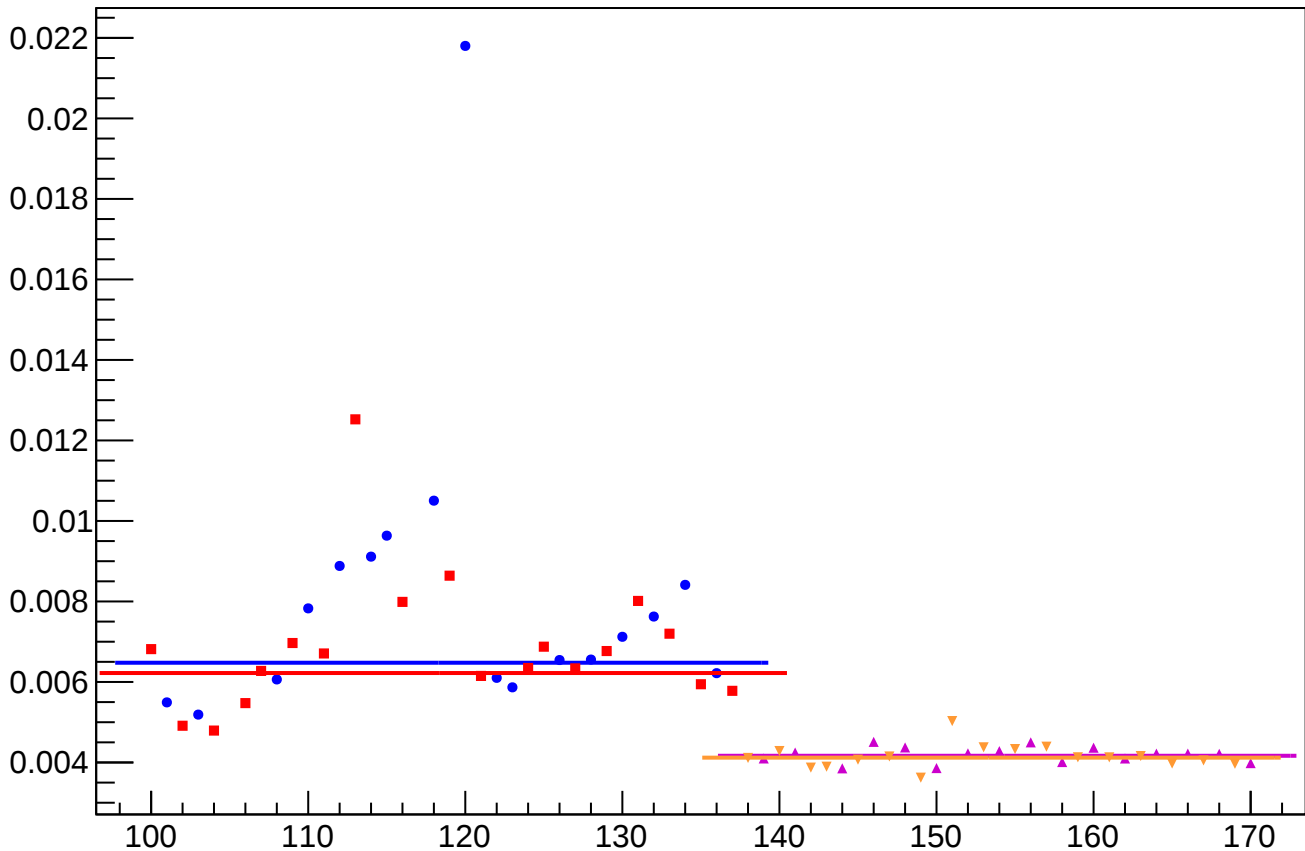
Left In: -0.512+/-0.000 χ^2/NDF : 29520335238.2/15

+ sign -0.670+/-0.000 χ^2/NDF : 143175961028.3/33

All: -0.677+/-0.000 χ^2/NDF : 305732349787.7

- sign -0.684+/-0.000 χ^2/NDF : 162474182704.9/34

yield_bpm0i05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 572678.4/16

Left Out: 0.004+/-0.000 χ^2/NDF :92356.3/16

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

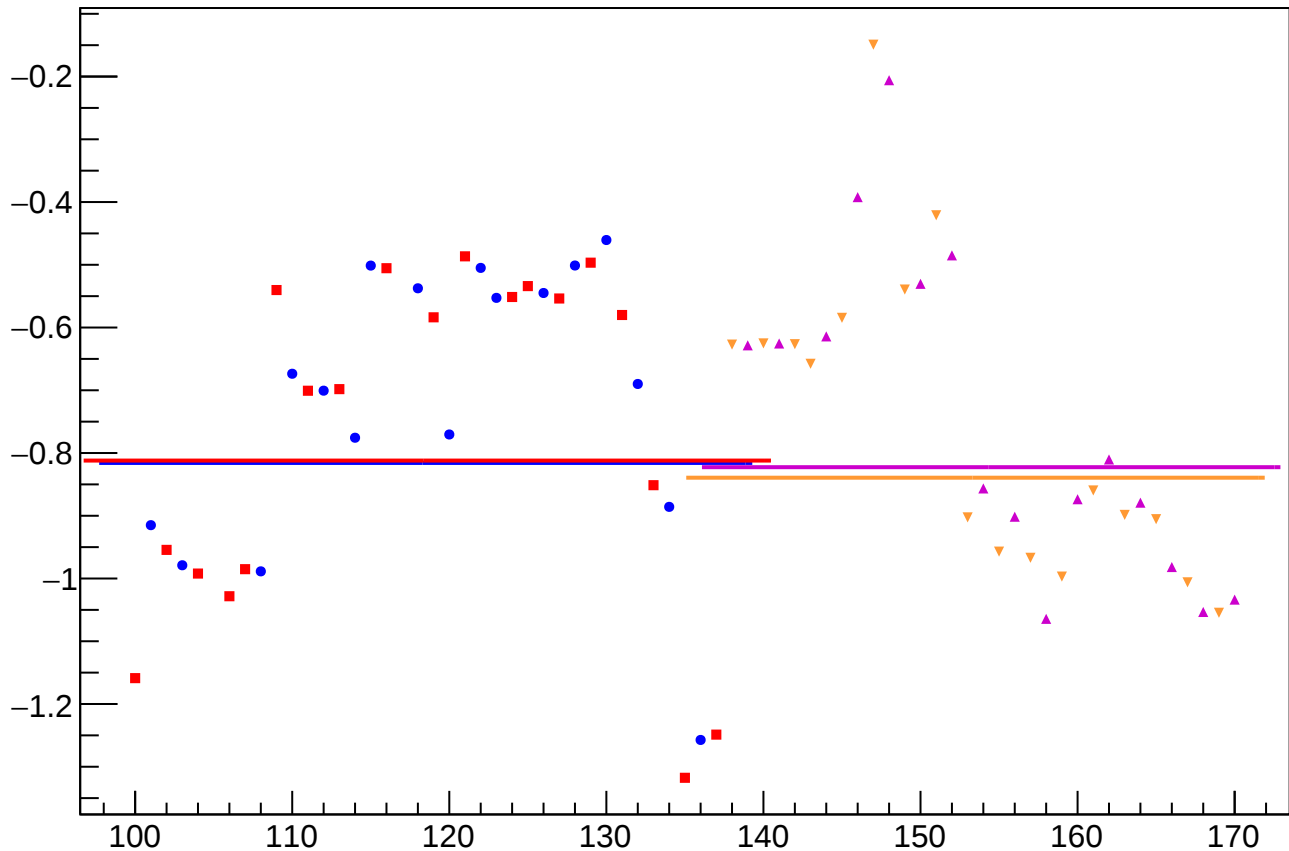
Left In: 0.004+/-0.000 χ^2/NDF :50371.8/15

+ sign 0.005+/-0.000 χ^2/NDF : 1875566.4/33

All: 0.005+/-0.000 χ^2/NDF : 3393814.5/68

- sign 0.005+/-0.000 χ^2/NDF : 1515998.0/34

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.839+/-0.000 χ^2/NDF : 33355404049.0/16

Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

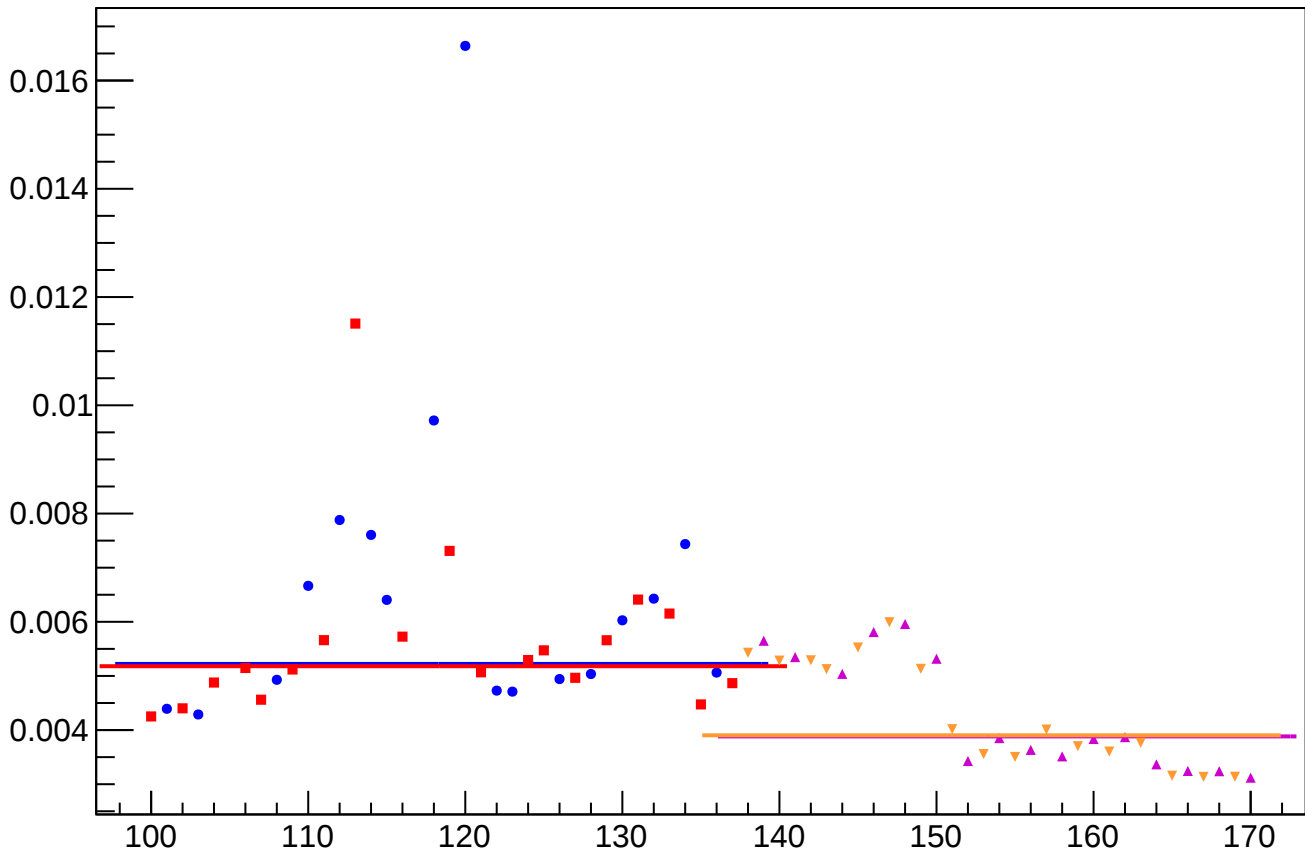
Left In: -0.823+/-0.000 χ^2/NDF : 38177927210.0/15

+ sign -0.834+/-0.000 χ^2/NDF : 47613898340.7/33

All: -0.827+/-0.000 χ^2/NDF : 102721685374.0

- sign -0.820+/-0.000 χ^2/NDF : 55012744906.8/34

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 664386.8/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 998541.1/16

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 363781.3/18

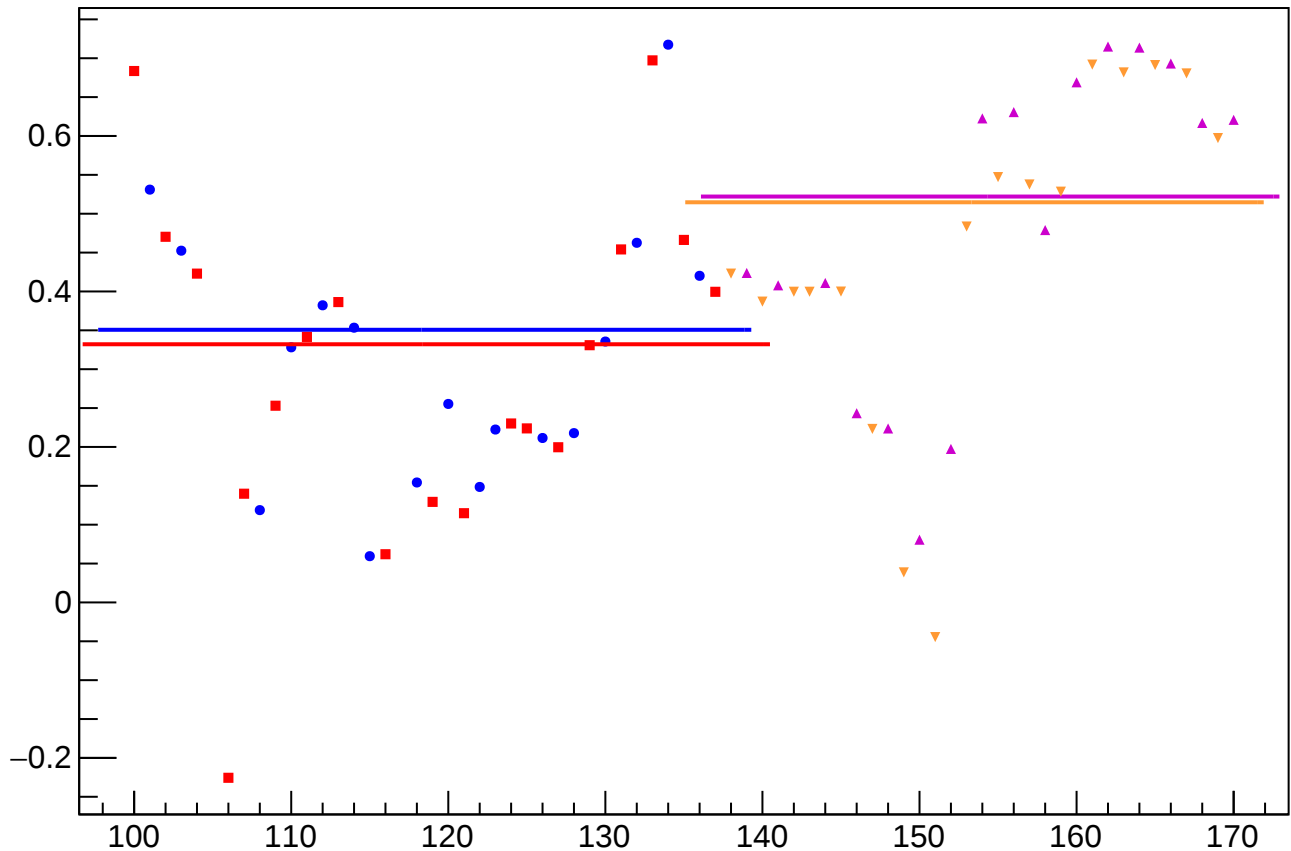
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1056040.5/15

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2200037.7/33

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4192461.0/68

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1992423.3/34

yield_bpm0i07Y_mean vs Slug



Right In: 0.351 $\pm$ 0.000 χ^2 /NDF: 7410859446.3/16

Left Out: 0.515 $\pm$ 0.000 χ^2 /NDF: 37901127668.0/16

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 11796213425.9/18

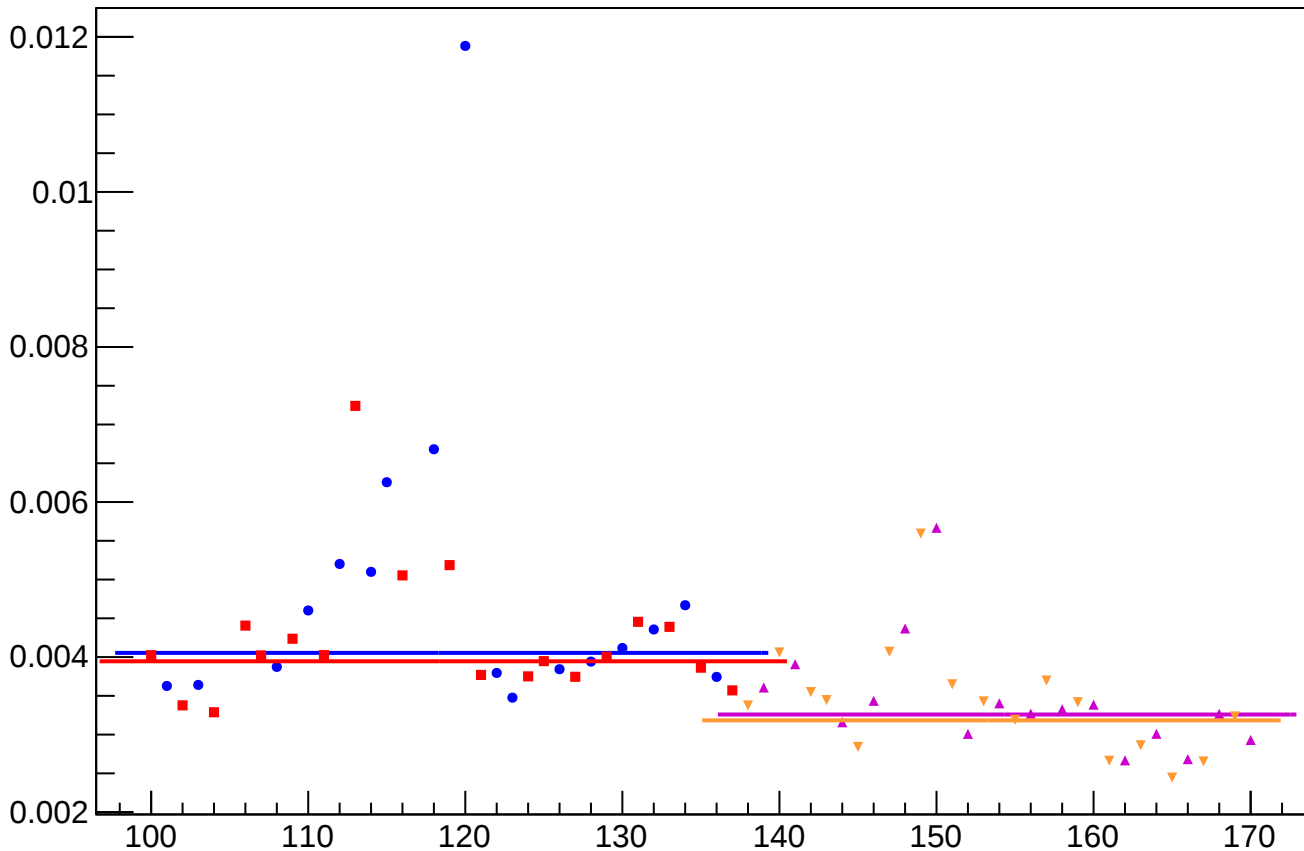
Left In: 0.522 $\pm$ 0.000 χ^2 /NDF: 35222607743.8/15

+ sign 0.474 $\pm$ 0.000 χ^2 /NDF: 52350041348.3/33

All: 0.472 $\pm$ 0.000 χ^2 /NDF: 109648257823.6

- sign 0.469 $\pm$ 0.000 χ^2 /NDF: 57280316581.1/34

yield_bpm0i07Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 455318.3/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 708544.2/16

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 260968.0/18

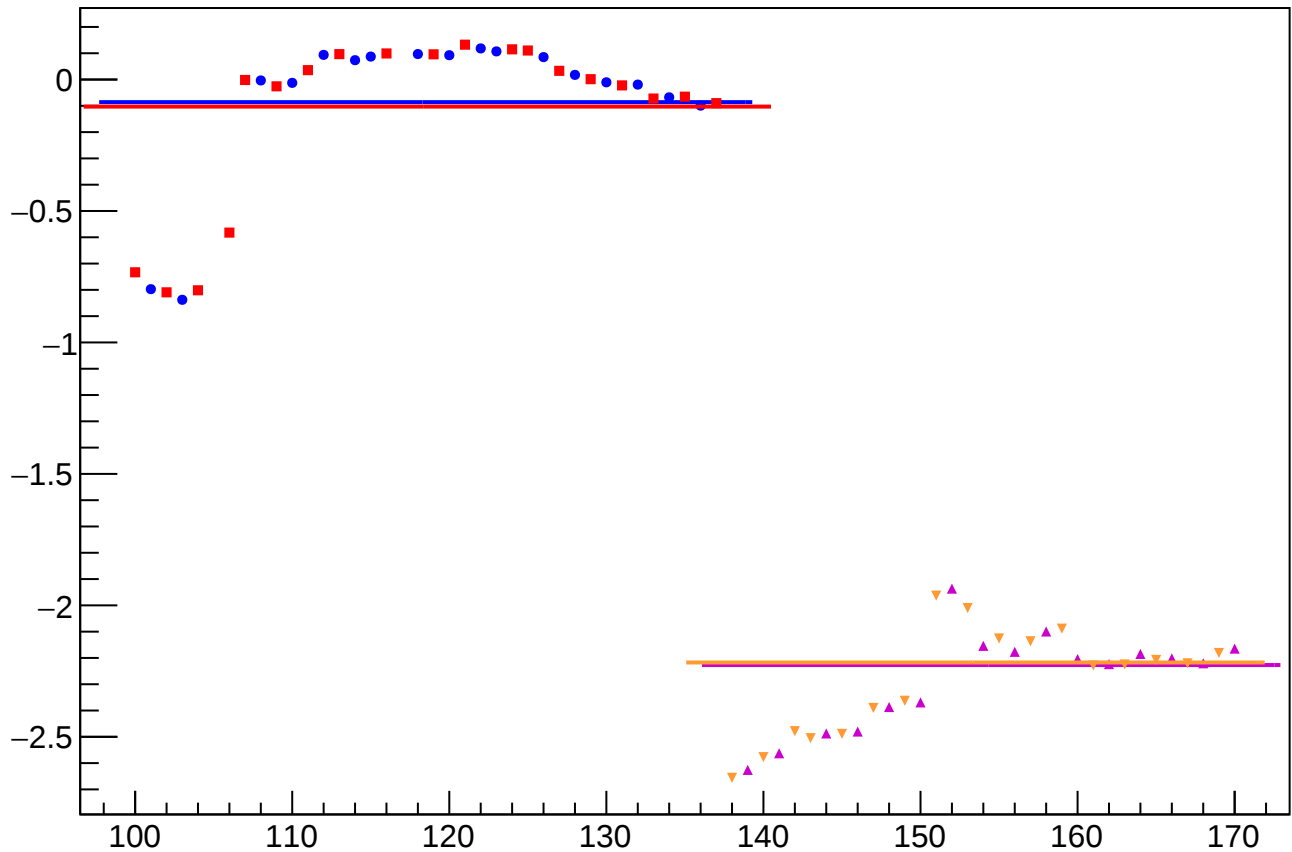
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 577723.9/15

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1560377.1/33

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2670829.6/68

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1106622.2/34

yield_bpm1i02X_mean vs Slug



Right In: -0.086 ± 0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.217 ± 0.000 χ^2/NDF : 3426152907.1/16

Right Out: -0.103 ± 0.000 χ^2/NDF : 5553039516.7/18

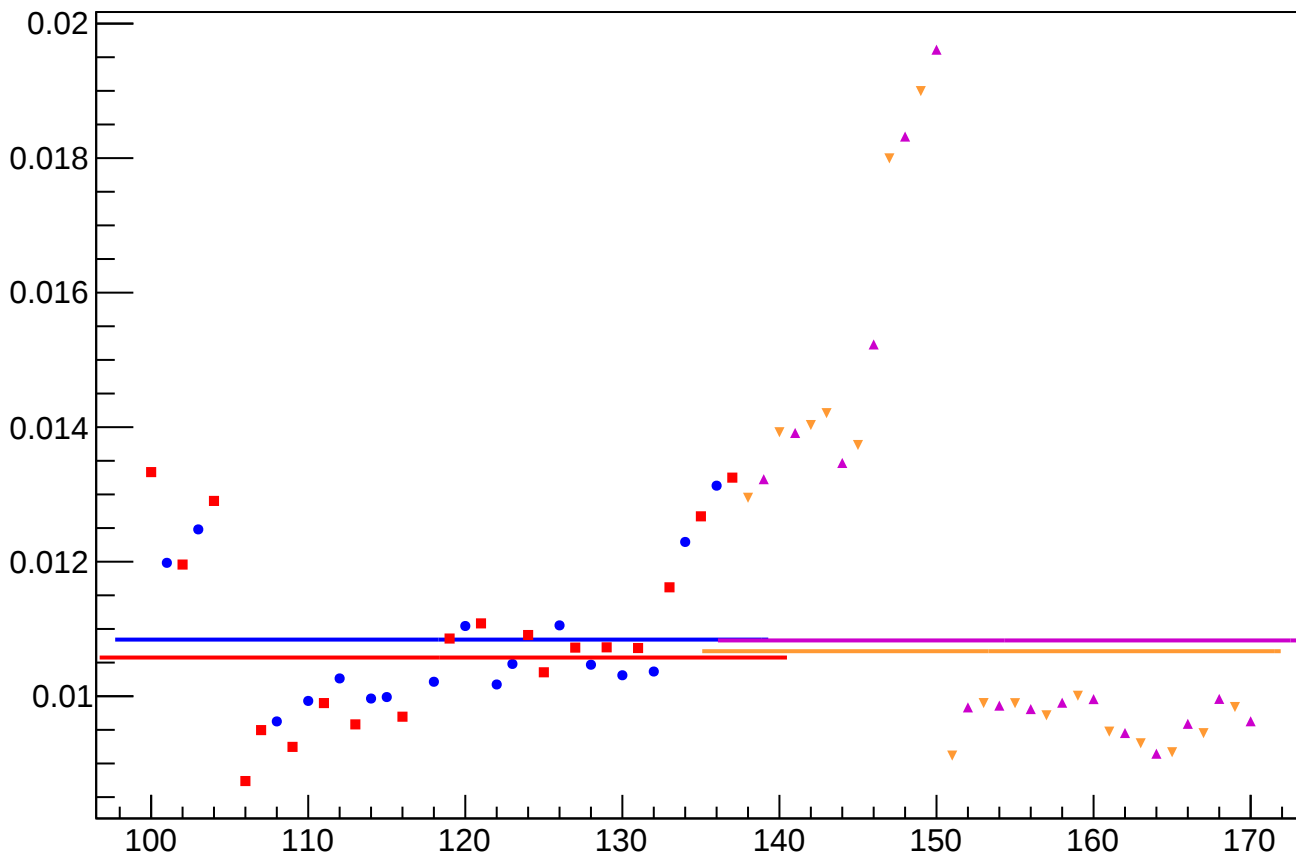
Left In: -2.227 ± 0.000 χ^2/NDF : 2726616619.5/15

+ sign -1.475 ± 0.000 χ^2/NDF : 175509749118.9/33

All: -1.443 ± 0.000 χ^2/NDF : 358529463843.9

- sign -1.413 ± 0.000 χ^2/NDF : 182707080223.3/34

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.011+/-0.000 χ^2/NDF :1115470.9/16

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

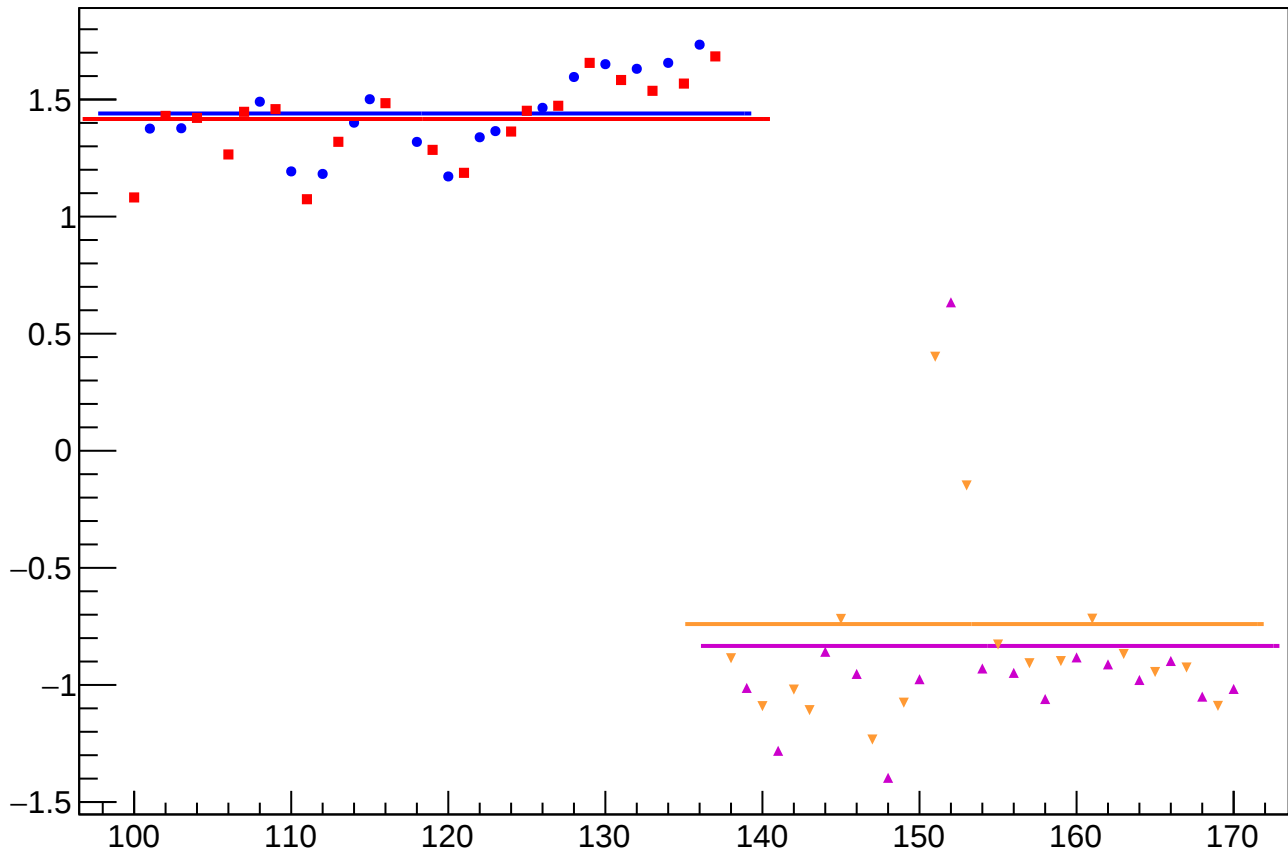
Left In: 0.011+/-0.000 χ^2/NDF :1145388.0/15

+ sign 0.011+/-0.000 χ^2/NDF : 1241923.1/33

All: 0.011+/-0.000 χ^2/NDF : 2571274.2/68

- sign 0.011+/-0.000 χ^2/NDF : 1329350.1/34

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.740 $\pm$ 0.000 χ^2 /NDF: 32482368761.2/16

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

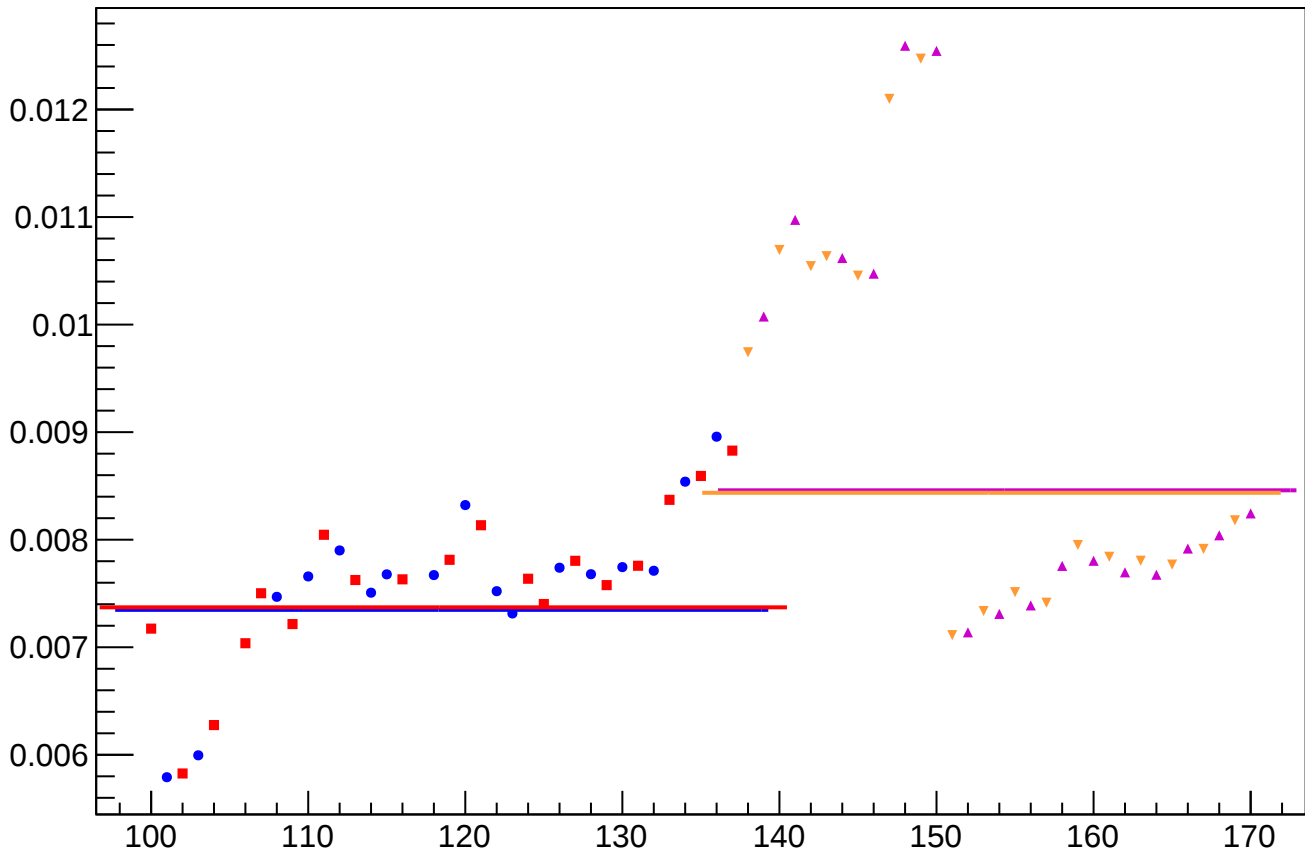
Left In: -0.833 $\pm$ 0.000 χ^2 /NDF: 40736691019.4/15

+ sign 0.166 $\pm$ 0.000 χ^2 /NDF: 374909974948.2/33

All: 0.156 $\pm$ 0.000 χ^2 /NDF: 787936354603.9

- sign 0.145 $\pm$ 0.000 χ^2 /NDF: 412959106637.5/34

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 228163.6/16

Left Out: 0.008+/-0.000 χ^2/NDF : 740560.1/16

Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

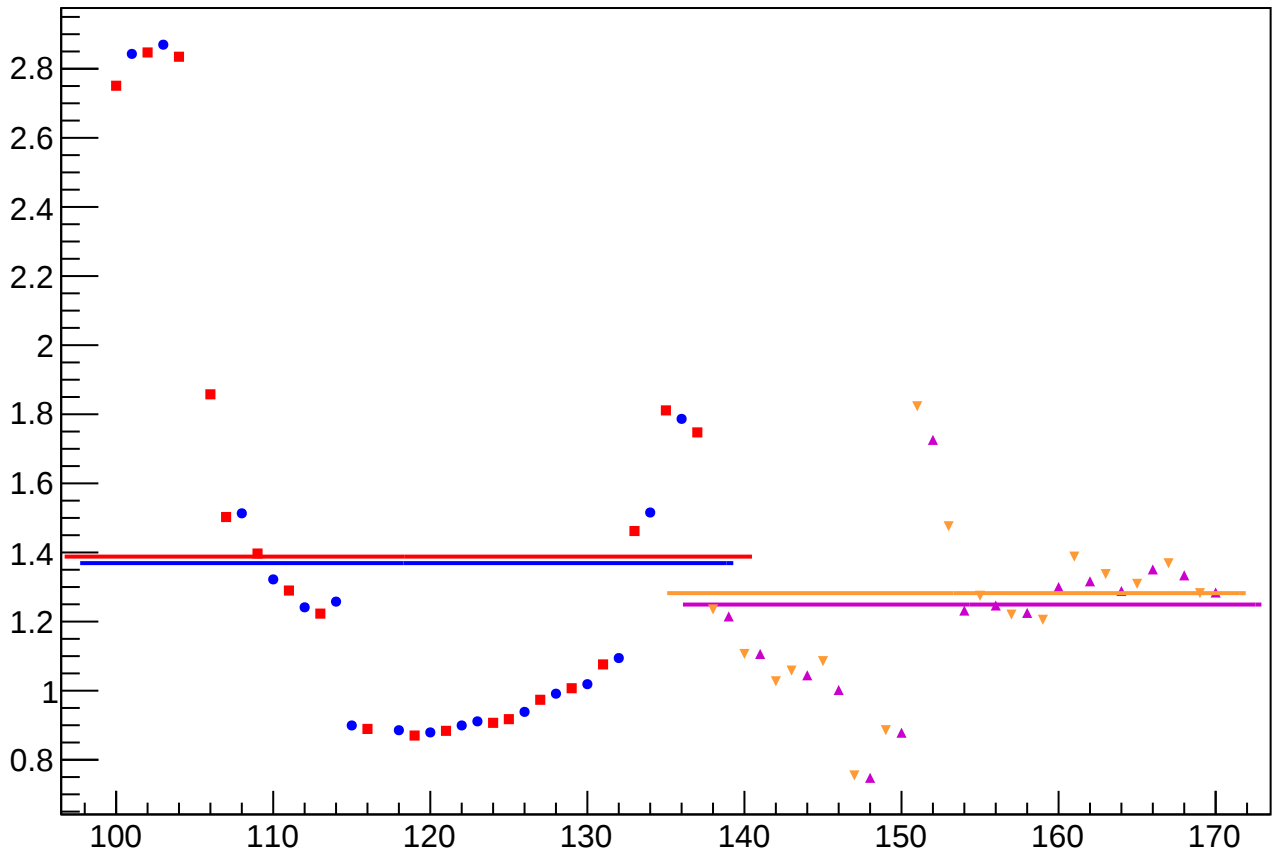
Left In: 0.008+/-0.000 χ^2/NDF : 802982.2/15

+ sign 0.008+/-0.000 χ^2/NDF : 1137680.8/33

All: 0.008+/-0.000 χ^2/NDF : 2286143.7/68

- sign 0.008+/-0.000 χ^2/NDF : 1148461.3/34

yield_bpm1i04X_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.282+/-0.000 χ^2/NDF : 9115161837.4/16

Right Out: 1.388+/-0.000 χ^2/NDF : 49900245868.0/18

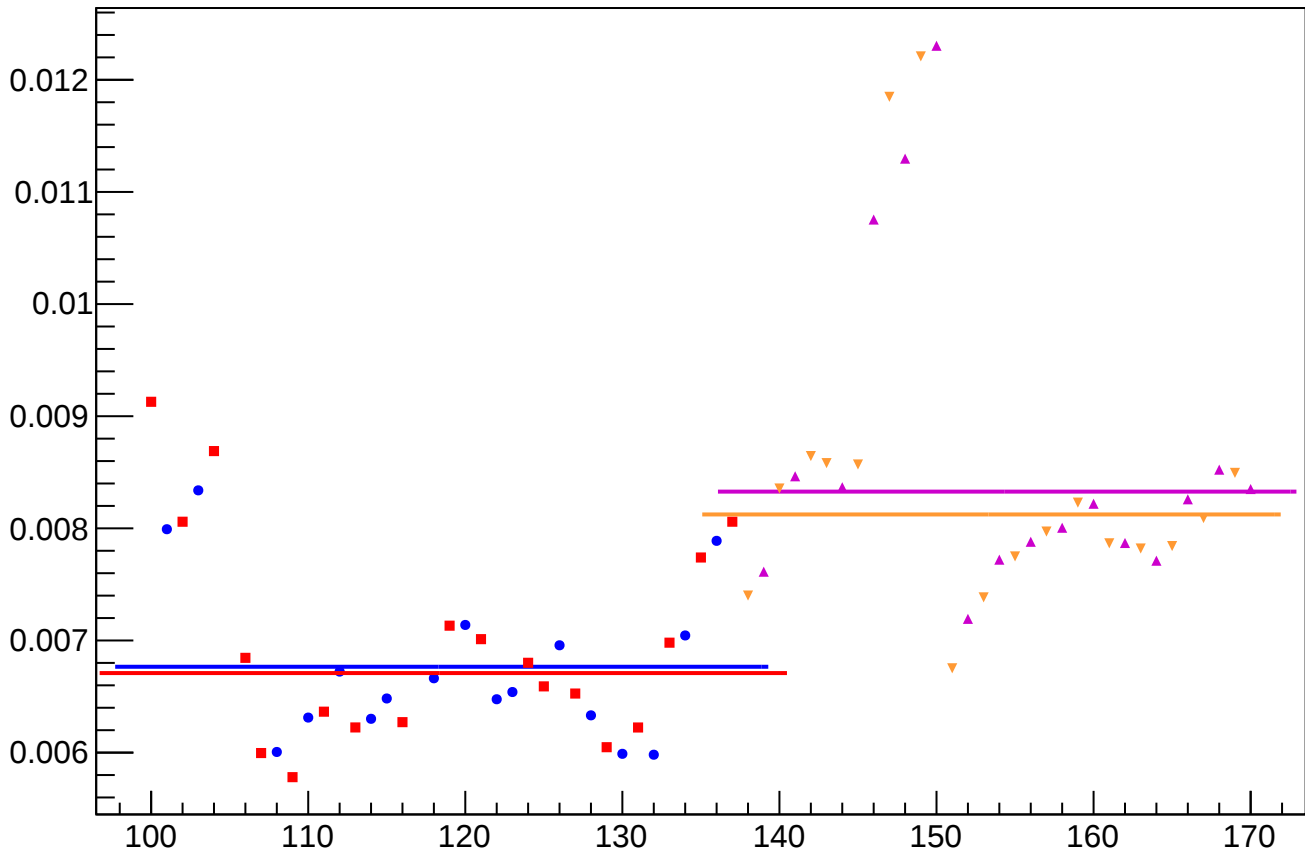
Left In: 1.249+/-0.000 χ^2/NDF : 7248145750.0/15

+ sign 1.321+/-0.000 χ^2/NDF : 63929395709.9/33

All: 1.318+/-0.000 χ^2/NDF : 122656663008.1

- sign 1.315+/-0.000 χ^2/NDF : 58722156856.6/34

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 159554.9/16

Left Out: 0.008+/-0.000 χ^2/NDF : 414279.0/16

Right Out: 0.007+/-0.000 χ^2/NDF : 187826.7/18

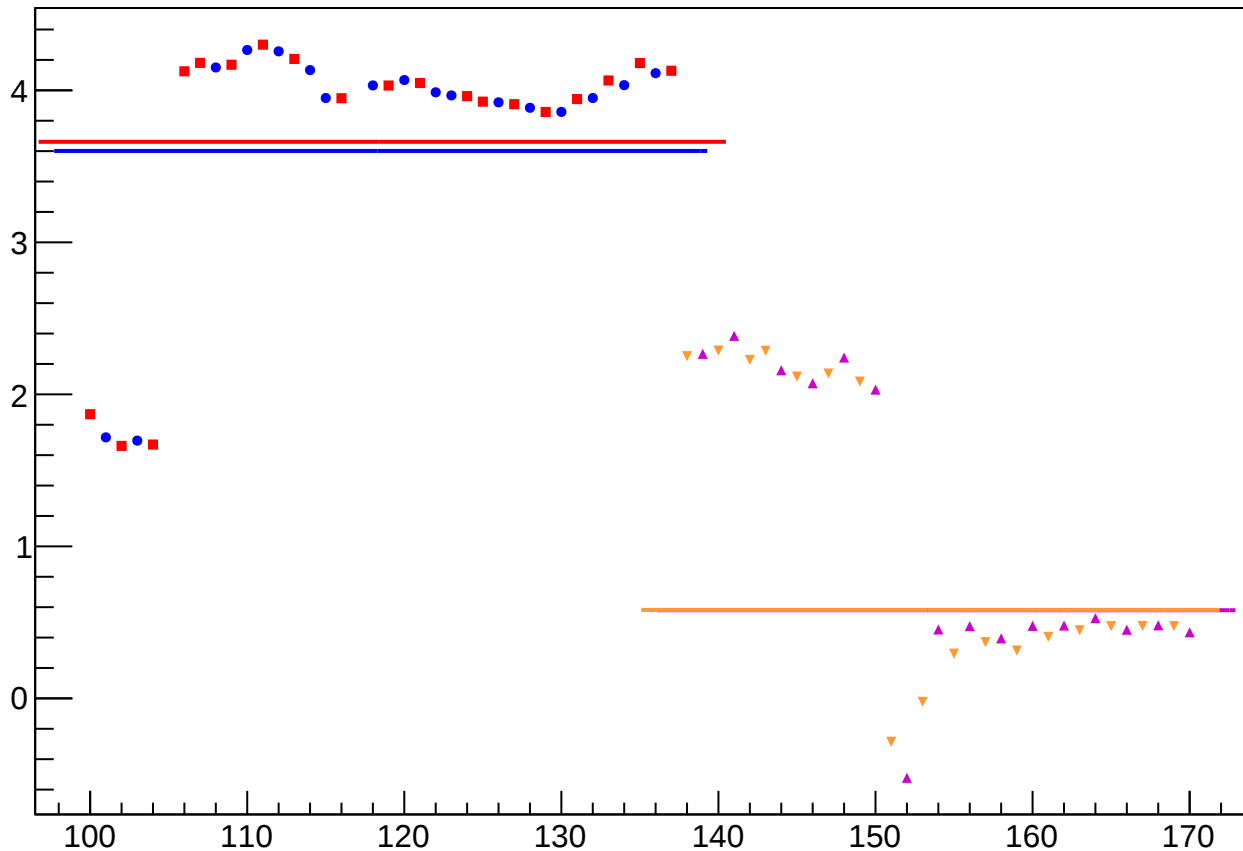
Left In: 0.008+/-0.000 χ^2/NDF : 428910.0/15

+ sign 0.008+/-0.000 χ^2/NDF : 871313.9/33

All: 0.008+/-0.000 χ^2/NDF : 1916507.5/68

- sign 0.008+/-0.000 χ^2/NDF : 1044763.5/34

yield_bpm1i04Y_mean vs Slug



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 0.582+/-0.000 χ^2/NDF : 257534707677.6/16

Right Out: 3.661+/-0.000 χ^2/NDF : 192519897222.5/18

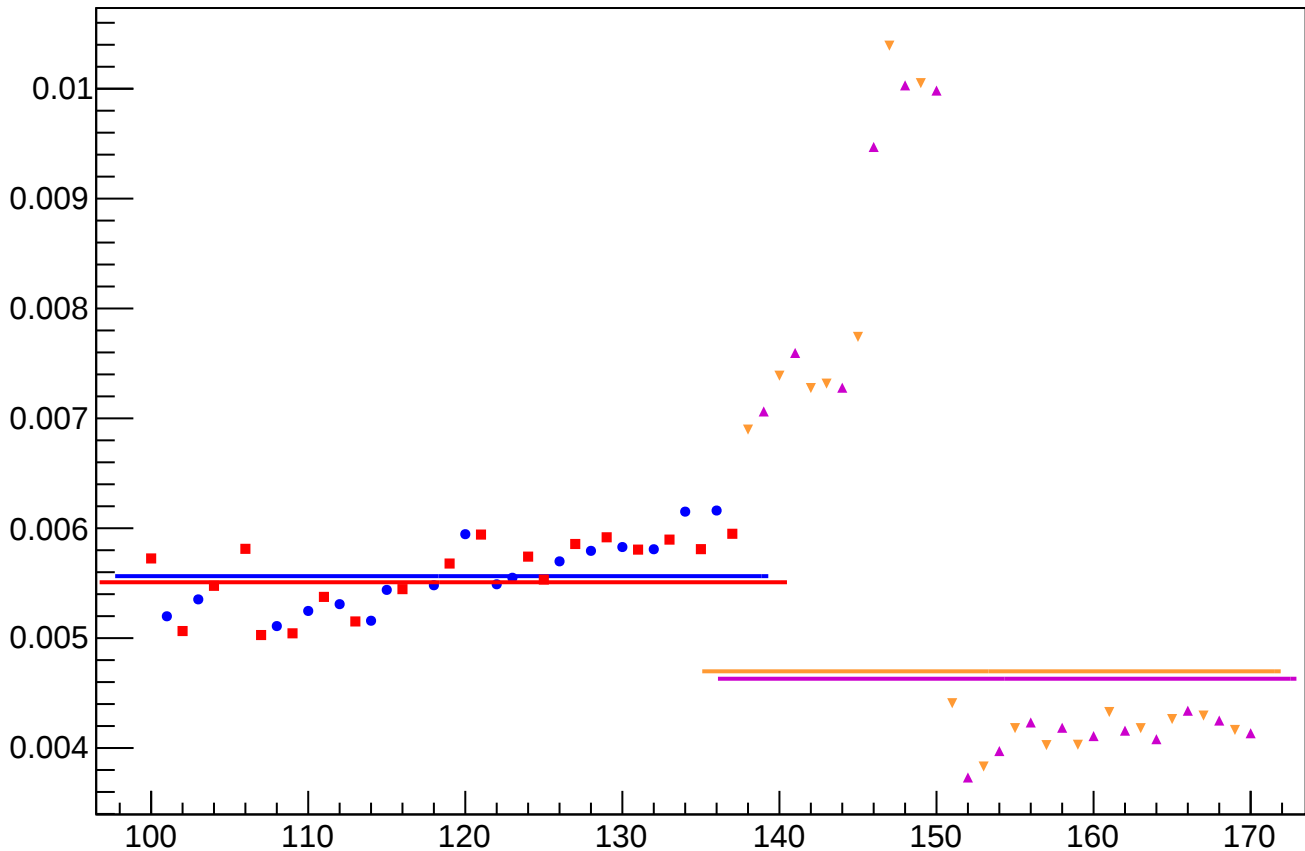
Left In: 0.580+/-0.000 χ^2/NDF : 254551406477.2/15

+ sign 1.489+/-0.000 χ^2/NDF : 1820286209038.3/33

All: 1.513+/-0.000 χ^2/NDF : 3770031832868.

- sign 1.535+/-0.000 χ^2/NDF : 1948958787583.9/34

yield_bpm1i04Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 47588.2/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:1943456.0/16

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 52634.8/18

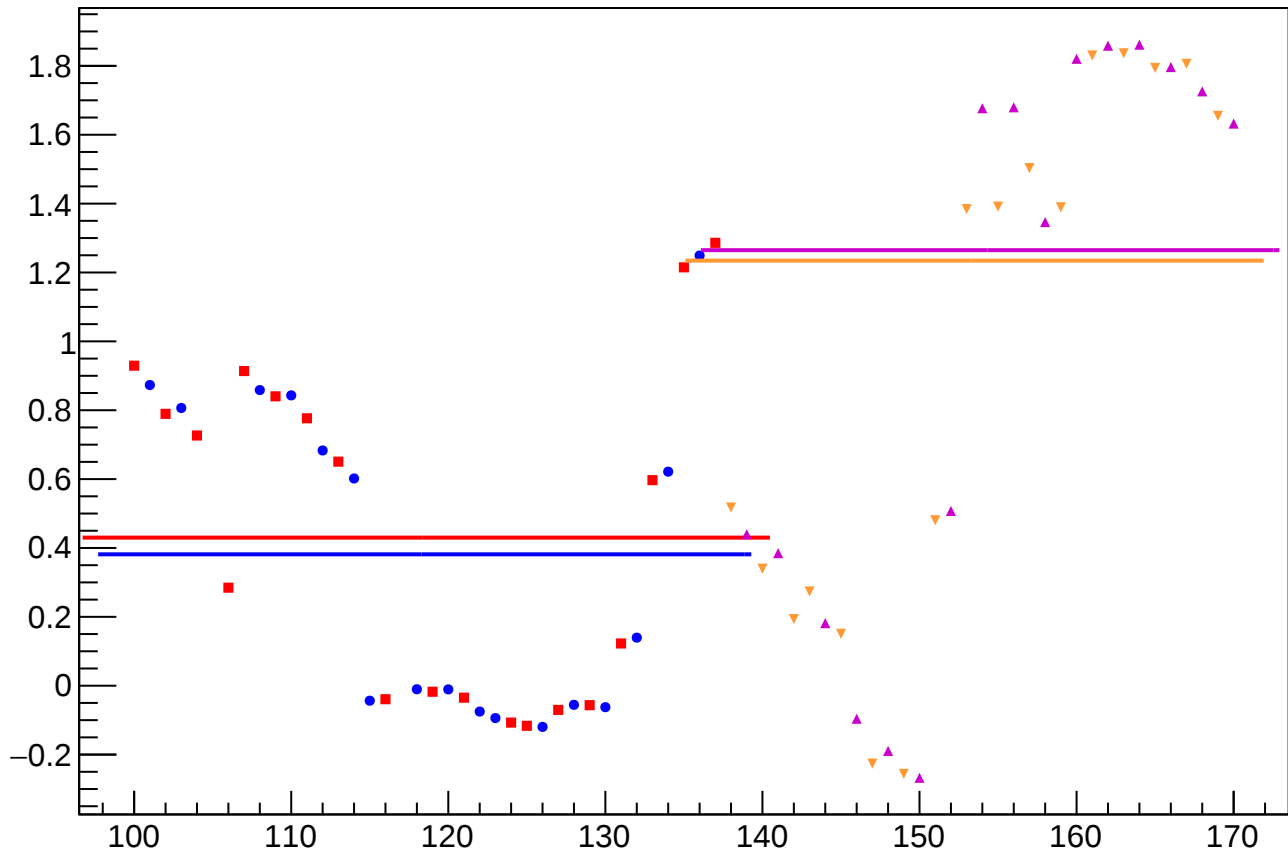
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:2144964.7/15

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2217686.4/33

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 4661410.0/68

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2441484.8/34

yield_bpm1i06X_mean vs Slug



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 7124759123.1/16

Left Out: 1.234 $\pm$ 0.000 χ^2 /NDF:39338624740.2/16

Right Out: 0.430 $\pm$ 0.000 χ^2 /NDF: 6676199135.9/18

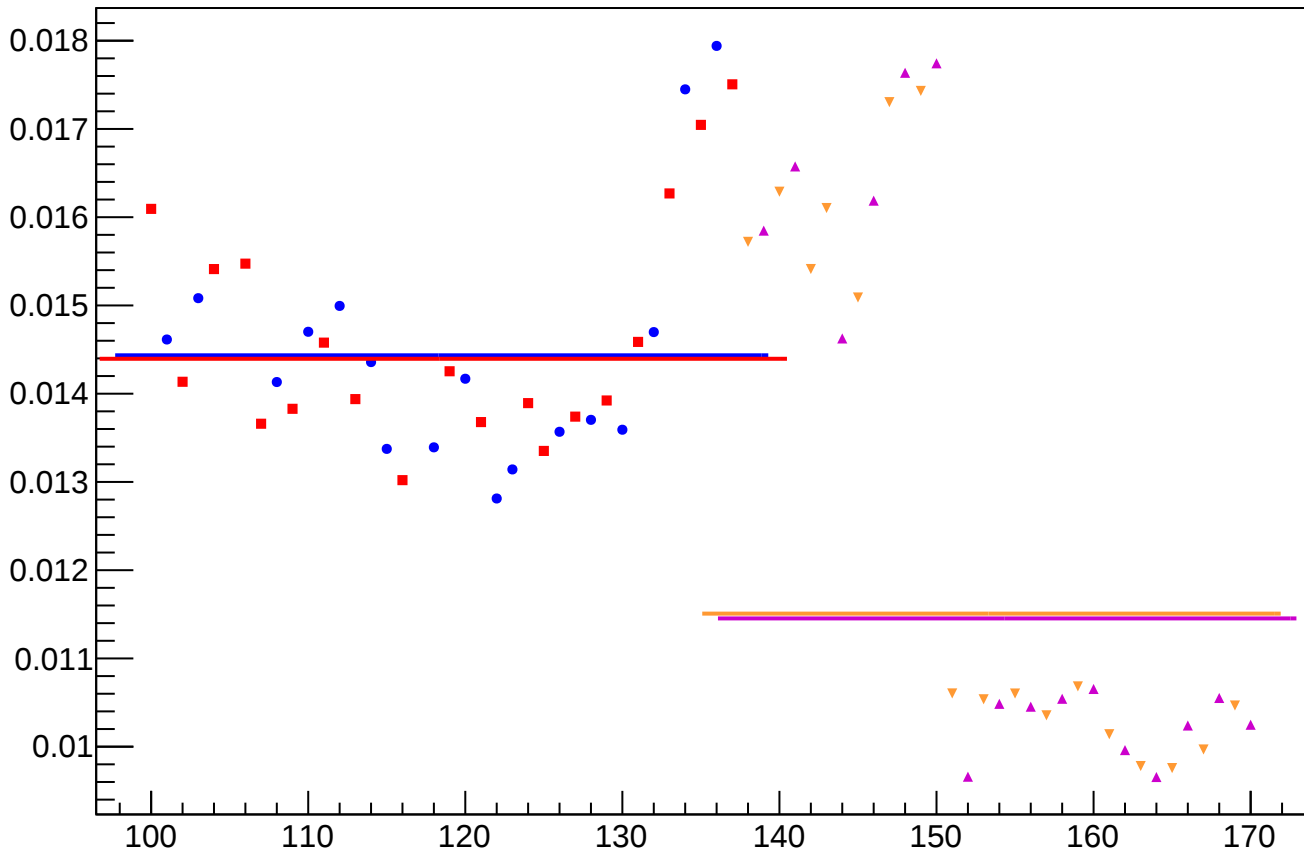
Left In: 1.265 $\pm$ 0.000 χ^2 /NDF:44941153161.6/15

+ sign 1.012 $\pm$ 0.000 χ^2 /NDF: 63561476760.3/33

All: 1.025 $\pm$ 0.000 χ^2 /NDF: 132225763536.4

- sign 1.038 $\pm$ 0.000 χ^2 /NDF: 68623112169.2/34

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.012+/-0.000 χ^2/NDF :1070448.9/16

Right Out: 0.014+/-0.000 χ^2/NDF : 74531.6/18

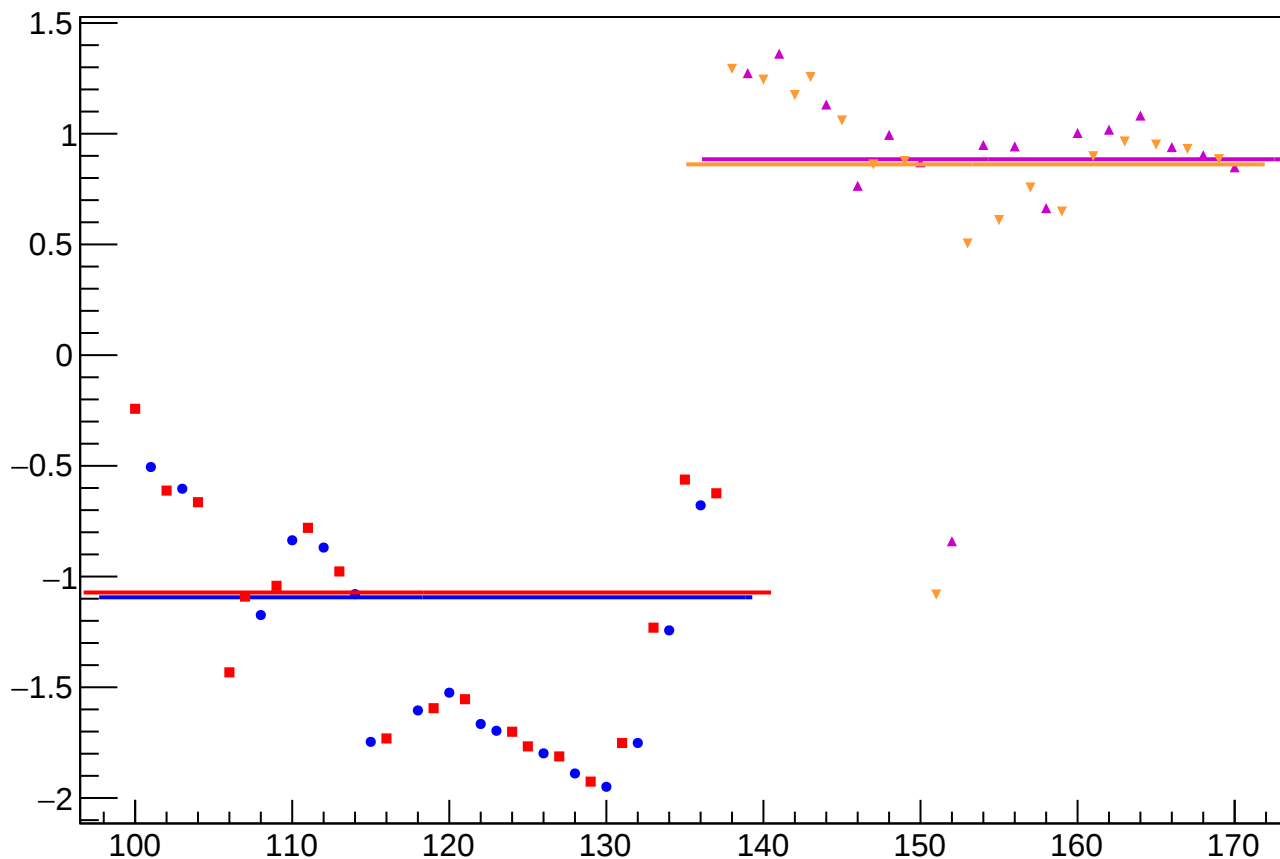
Left In: 0.011+/-0.000 χ^2/NDF :1118918.9/15

+ sign 0.012+/-0.000 χ^2/NDF : 1583427.4/33

All: 0.012+/-0.000 χ^2/NDF : 3199486.5/68

- sign 0.012+/-0.000 χ^2/NDF : 1616018.4/34

yield_bpm1i06Y_mean vs Slug



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.862+/-0.000 χ^2/NDF : 124799773236.2/16

Right Out: -1.072+/-0.000 χ^2/NDF : 46896017480.0/18

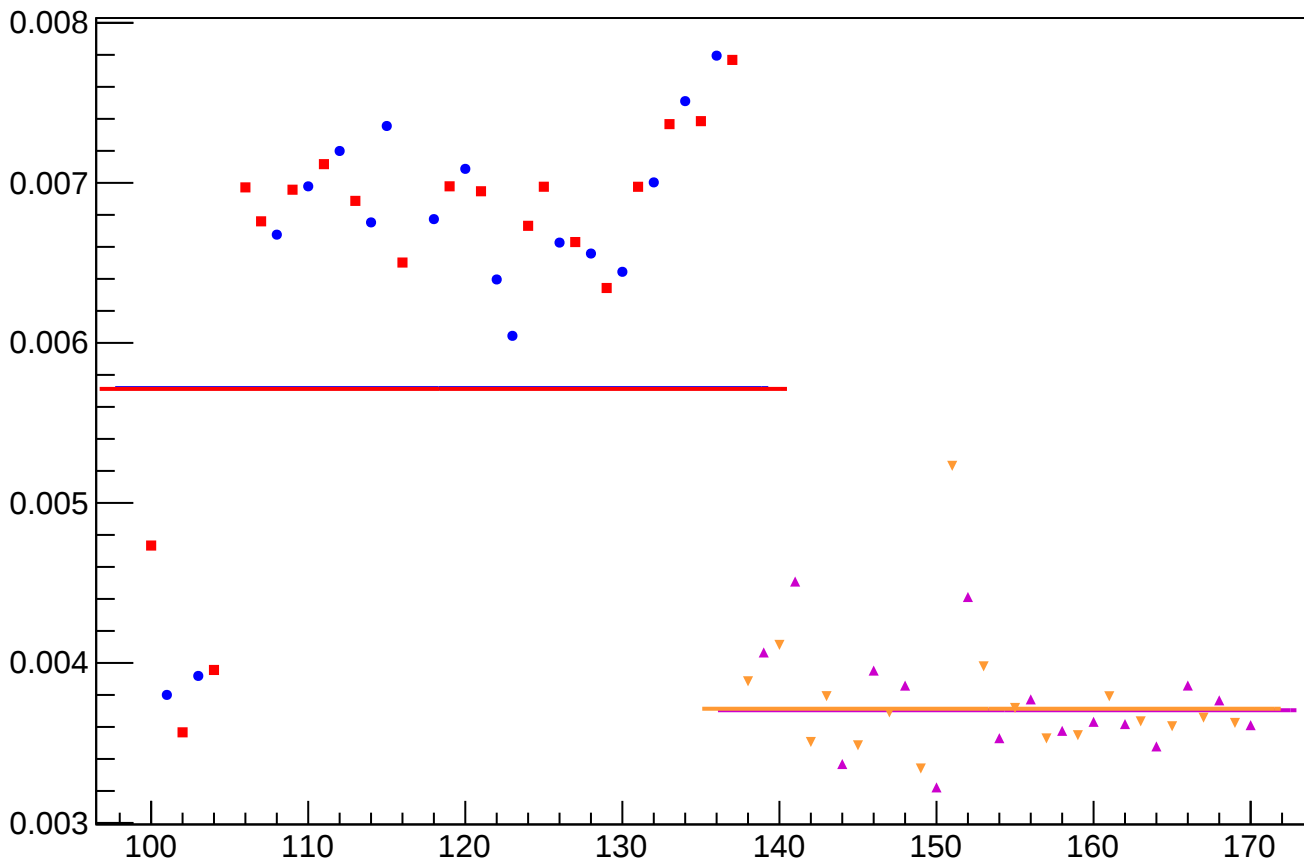
Left In: 0.885+/-0.000 χ^2/NDF : 145801423883.0/15

+ sign 0.508+/-0.000 χ^2/NDF : 749747001050.3/33

All: 0.513+/-0.000 χ^2/NDF : 1529586409764.

- sign 0.517+/-0.000 χ^2/NDF : 779800929830.6/34

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 837775.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:162239.6/16

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 923899.1/18

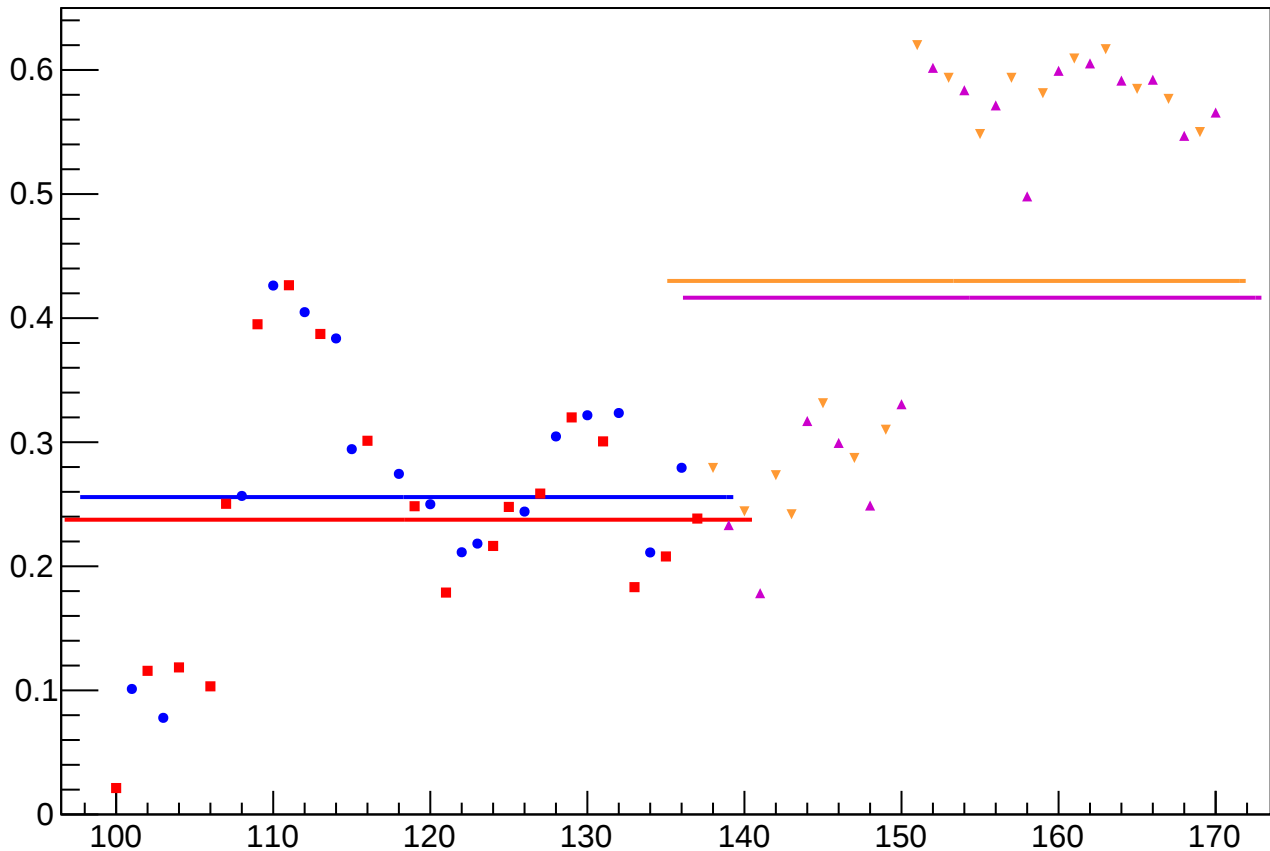
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:171823.9/15

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2195046.2/33

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4527741.4/68

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2332661.4/34

yield_bpm2i01X_mean vs Slug



Right In: 0.256 $\pm$ 0.000 χ^2 /NDF: 21365489849.4/16

Left Out: 0.430 $\pm$ 0.000 χ^2 /NDF: 82640355625.7/16

+ sign 0.357 $\pm$ 0.000 χ^2 /NDF: 147136338864.7/33

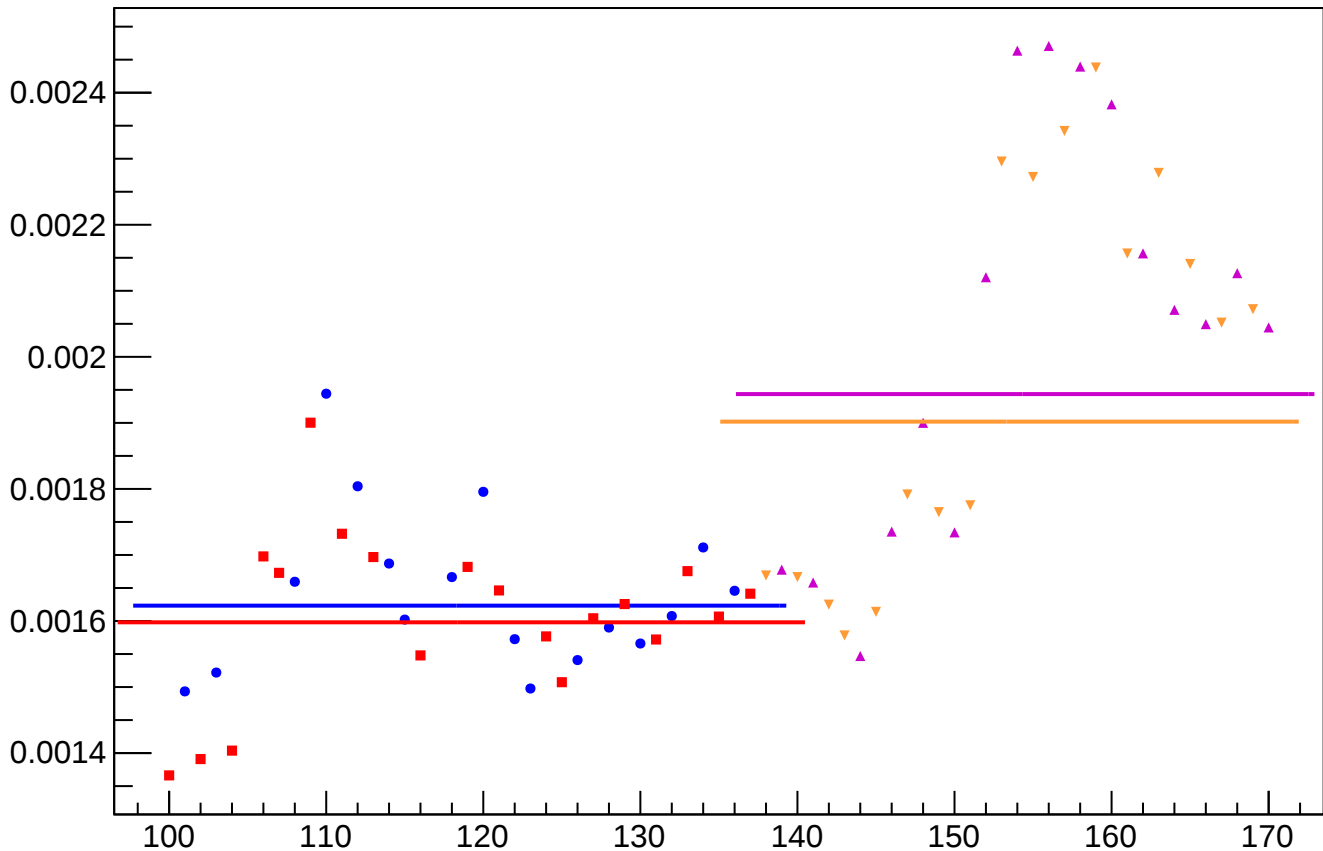
Right Out: 0.238 $\pm$ 0.000 χ^2 /NDF: 26057284646.9/18

All: 0.345 $\pm$ 0.000 χ^2 /NDF: 301886694045.0

Left In: 0.416 $\pm$ 0.000 χ^2 /NDF: 80224182862.2/15

- sign 0.334 $\pm$ 0.000 χ^2 /NDF: 153161091047.8/34

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 52468.7/16

Left Out: 0.002+/-0.000 χ^2/NDF : 529267.5/16

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

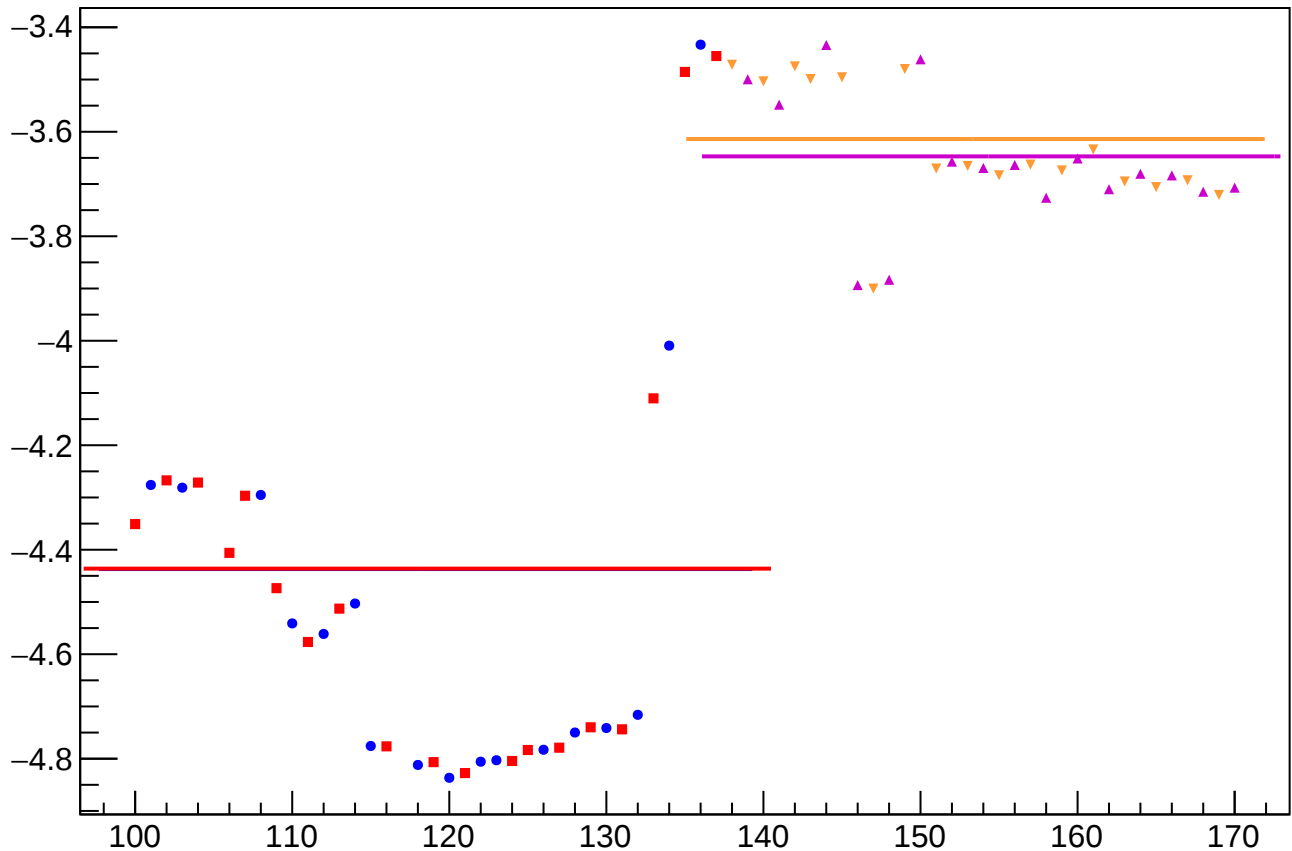
Left In: 0.002+/-0.000 χ^2/NDF : 557404.7/15

+ sign 0.002+/-0.000 χ^2/NDF : 802415.5/33

All: 0.002+/-0.000 χ^2/NDF : 1800330.2/68

- sign 0.002+/-0.000 χ^2/NDF : 997903.9/34

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.614+/-0.000 χ^2/NDF : 36103222077.9/16

Right Out: -4.436+/-0.000 χ^2/NDF : 325183860699.4/18

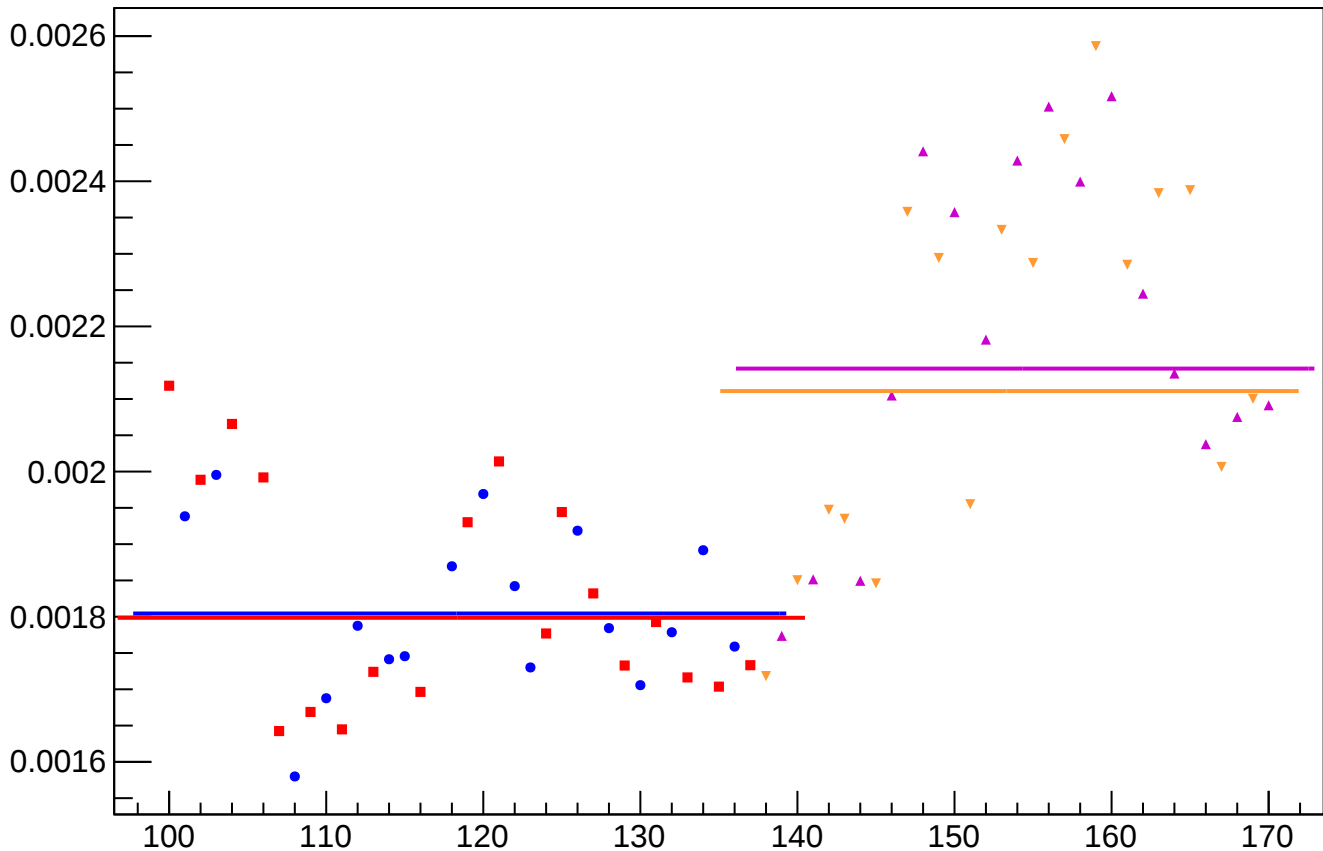
Left In: -3.647+/-0.000 χ^2/NDF : 44782213007.4/15

+ sign -3.961+/-0.000 χ^2/NDF : 1211230041787.5/3

All: -3.980+/-0.000 χ^2/NDF : 2317025738102

- sign -3.999+/-0.000 χ^2/NDF : 1102400780061.9/3

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 49103.2/16

Left Out: 0.002+/-0.000 χ^2/NDF : 342721.6/16

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

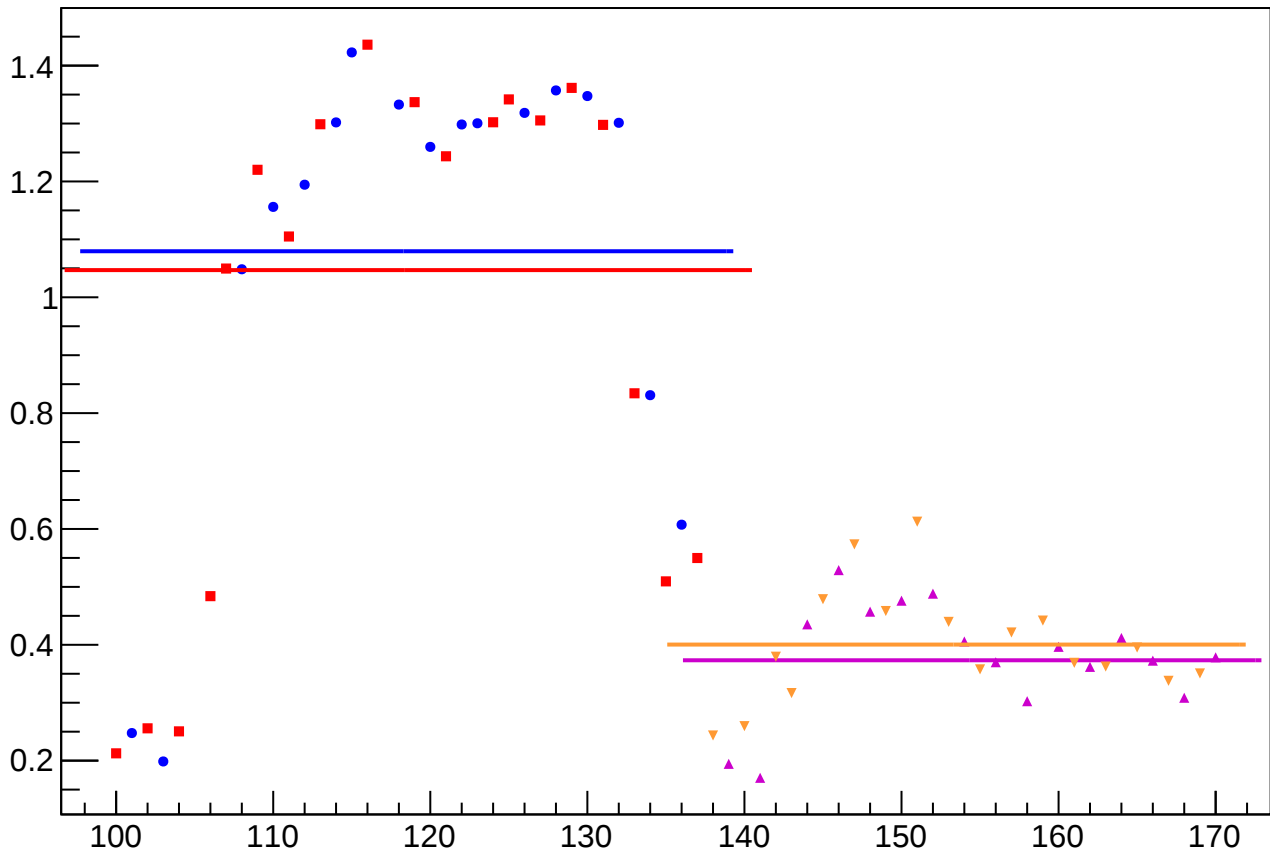
Left In: 0.002+/-0.000 χ^2/NDF : 296276.2/15

+ sign 0.002+/-0.000 χ^2/NDF : 608733.2/33

All: 0.002+/-0.000 χ^2/NDF : 1263649.0/68

- sign 0.002+/-0.000 χ^2/NDF : 654672.0/34

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.400 $\pm$ 0.000 χ^2 /NDF:1287713577.9/16

Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

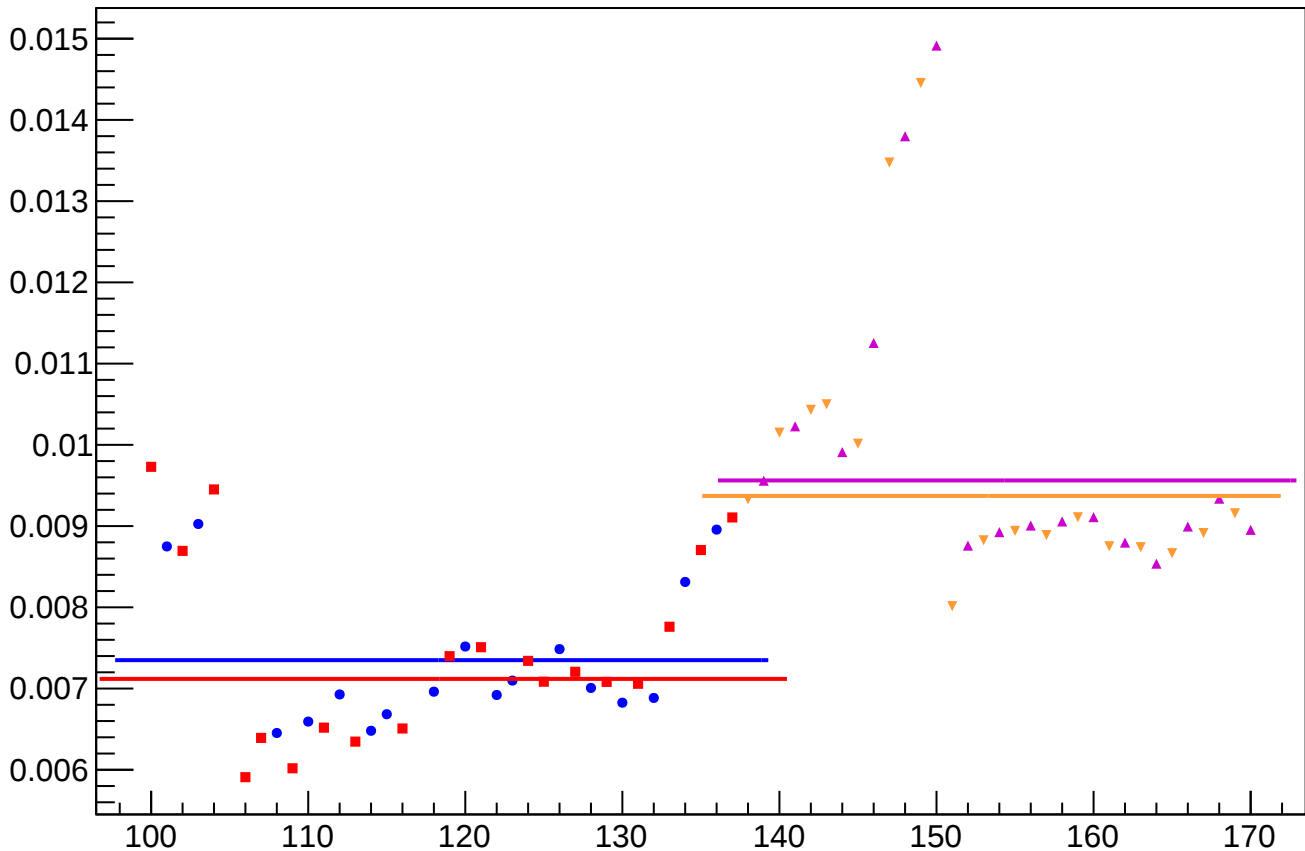
Left In: 0.373 $\pm$ 0.000 χ^2 /NDF:1087979538.9/15

+ sign 0.716 $\pm$ 0.000 χ^2 /NDF: 48994625672.7/33

All: 0.716 $\pm$ 0.000 χ^2 /NDF: 100460372064.7

- sign 0.716 $\pm$ 0.000 χ^2 /NDF: 51465732225.0/34

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 180818.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 471066.6/16

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

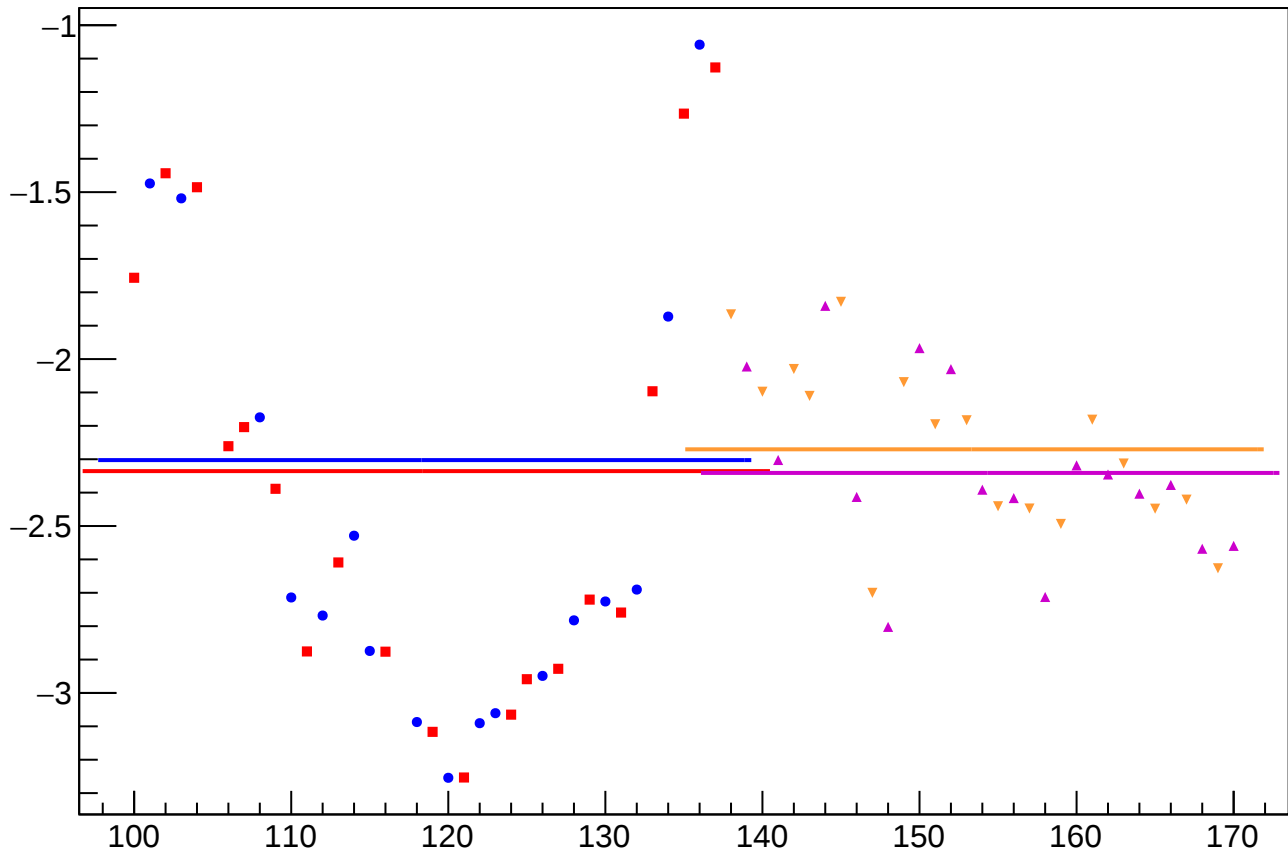
Left In: 0.010+/-0.000 χ^2/NDF : 496603.9/15

+ sign 0.008+/-0.000 χ^2/NDF : 1186820.6/33

All: 0.008+/-0.000 χ^2/NDF : 2753275.7/68

- sign 0.008+/-0.000 χ^2/NDF : 1563123.5/34

yield_bpm2i02Y_mean vs Slug



Right In: -2.303 ± 0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.270 ± 0.000 χ^2/NDF : 9144073900.9/16

Right Out: -2.336 ± 0.000 χ^2/NDF : 64499162456.4/18

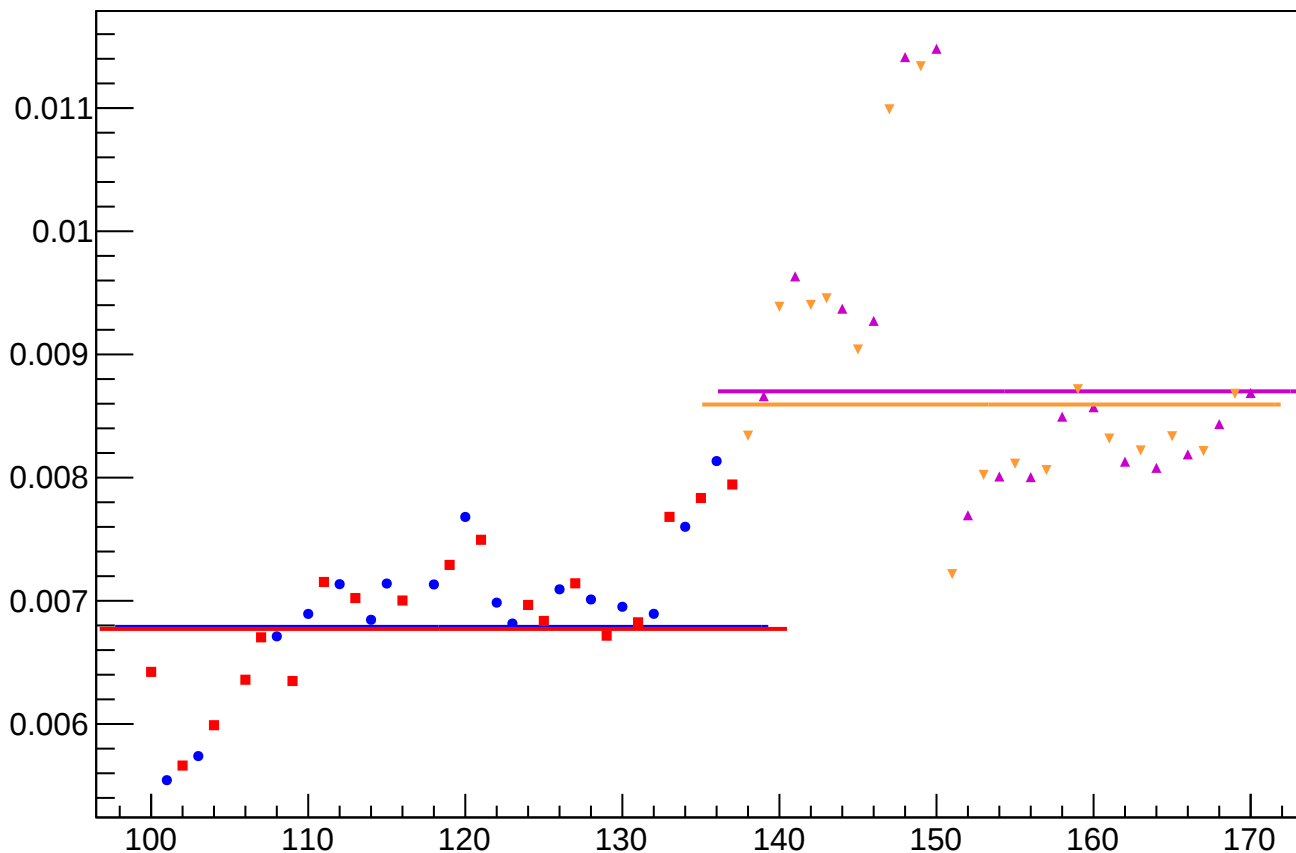
Left In: -2.341 ± 0.000 χ^2/NDF : 9826755733.7/15

+ sign -2.285 ± 0.000 χ^2/NDF : 82980973968.0/33

All: -2.312 ± 0.000 χ^2/NDF : 157754483862.9

- sign -2.338 ± 0.000 χ^2/NDF : 74328249059.6/34

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 289813.5/16

Right Out: 0.007+/-0.000 χ^2/NDF : 123244.0/18

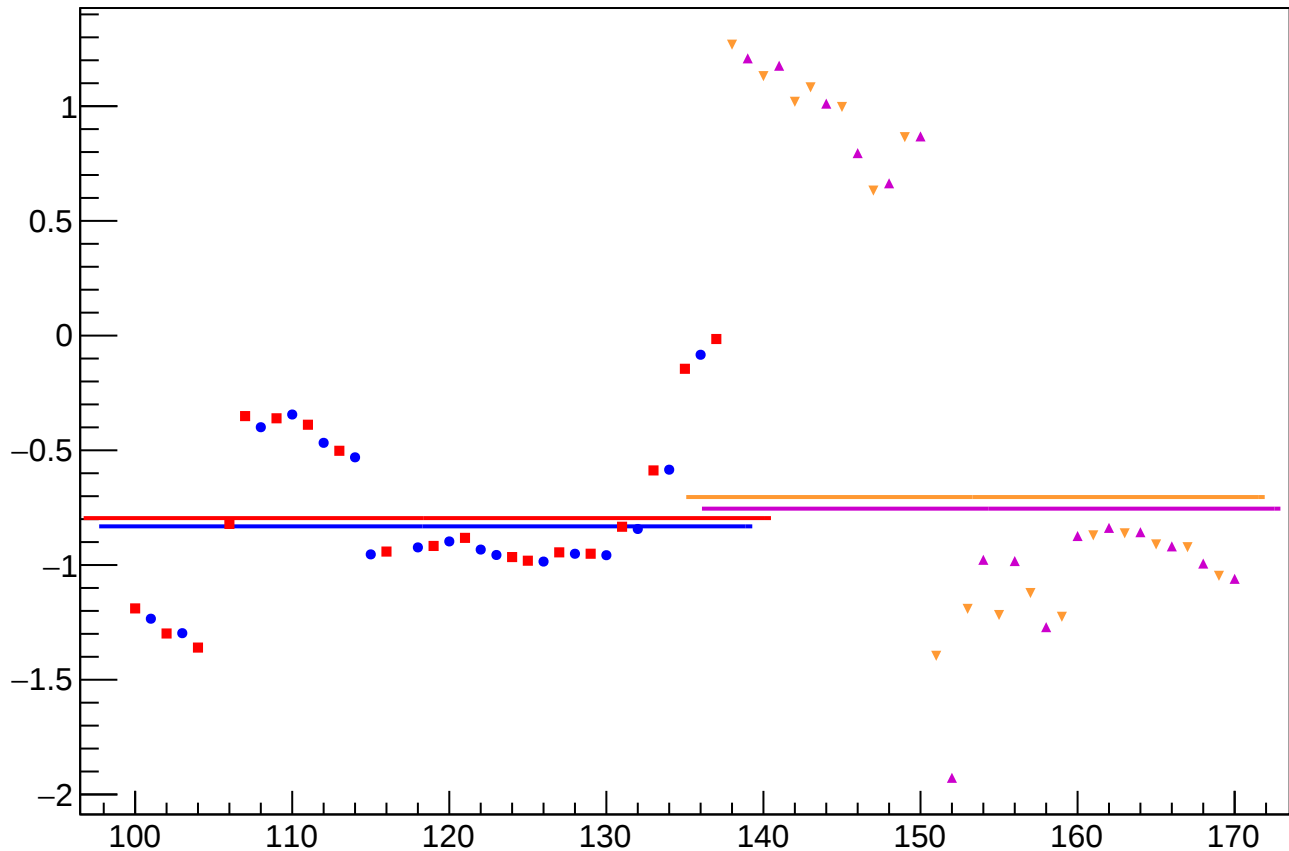
Left In: 0.009+/-0.000 χ^2/NDF : 297035.9/15

+ sign 0.008+/-0.000 χ^2/NDF : 961742.1/33

All: 0.008+/-0.000 χ^2/NDF : 1969828.9/68

- sign 0.008+/-0.000 χ^2/NDF : 1008086.7/34

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.704 ± 0.000 χ^2/NDF : 113999899504.2/16

Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

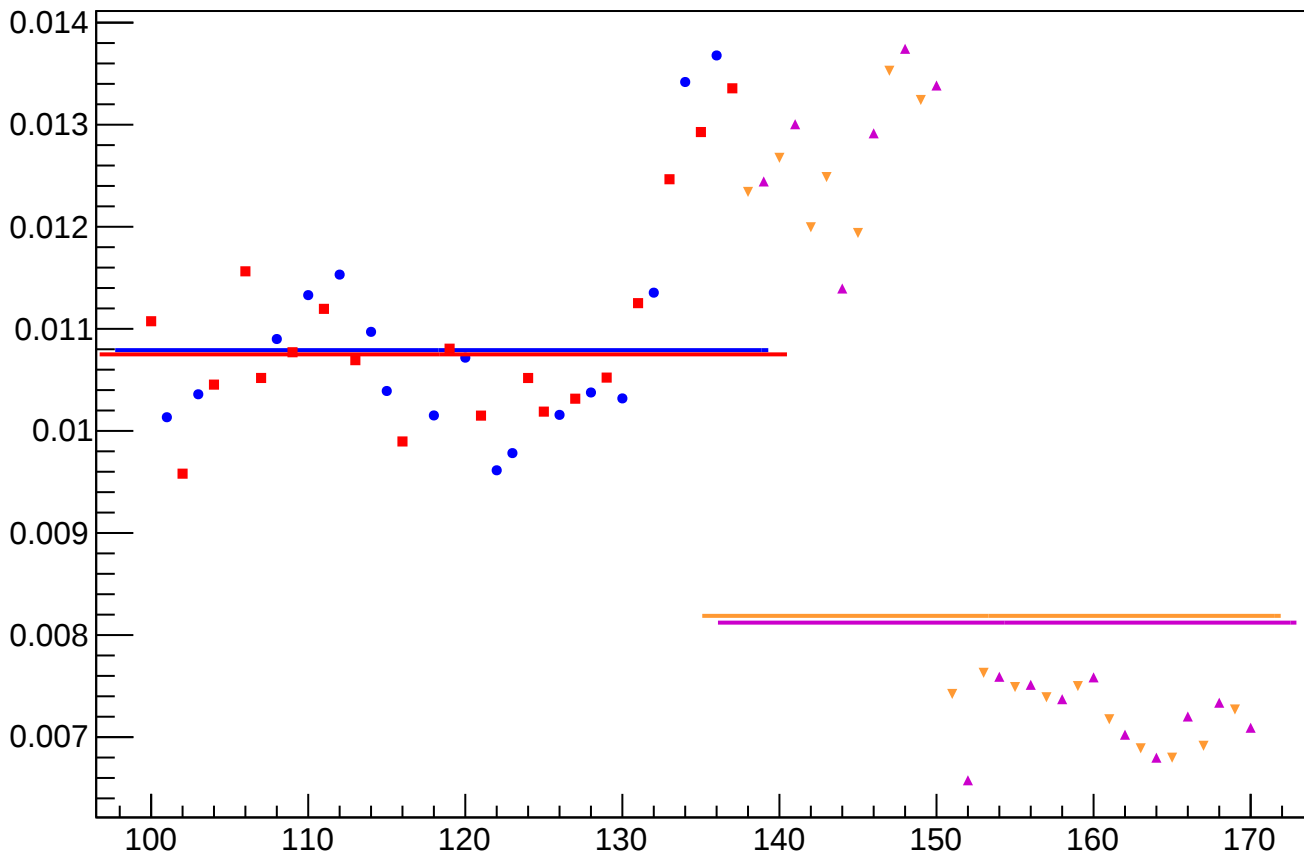
Left In: -0.754 ± 0.000 χ^2/NDF : 121406288168.4/15

+ sign -0.735 ± 0.000 χ^2/NDF : 121387251126.5/33

All: -0.750 ± 0.000 χ^2/NDF : 250793495261.1

- sign -0.765 ± 0.000 χ^2/NDF : 129303467293.2/34

yield_bpm0i01X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 125802.4/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1489885.4/16

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 90220.8/18

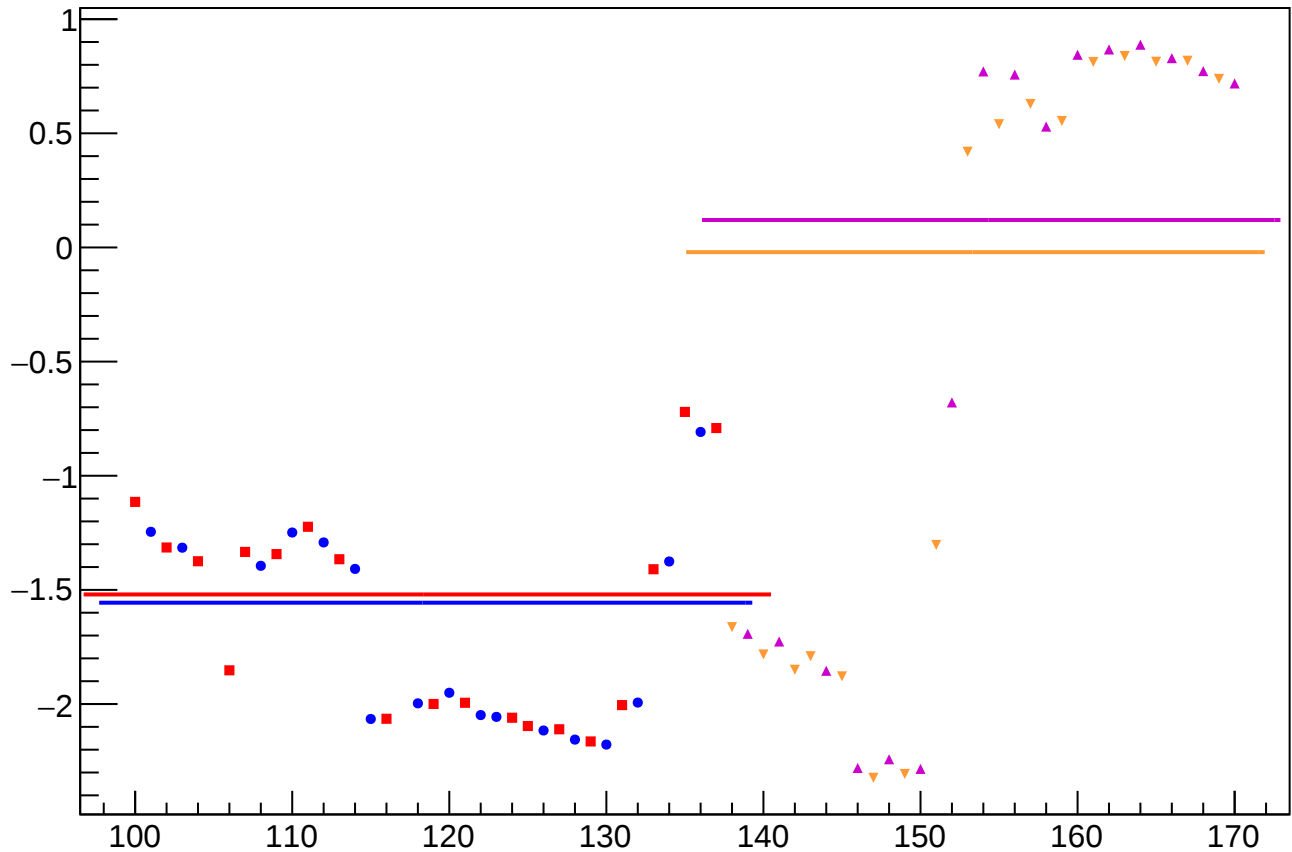
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1553742.8/15

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2192858.9/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4450707.9/68

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2257594.0/34

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -0.021+/-0.000 χ^2/NDF : 2152260507657.2/16

Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

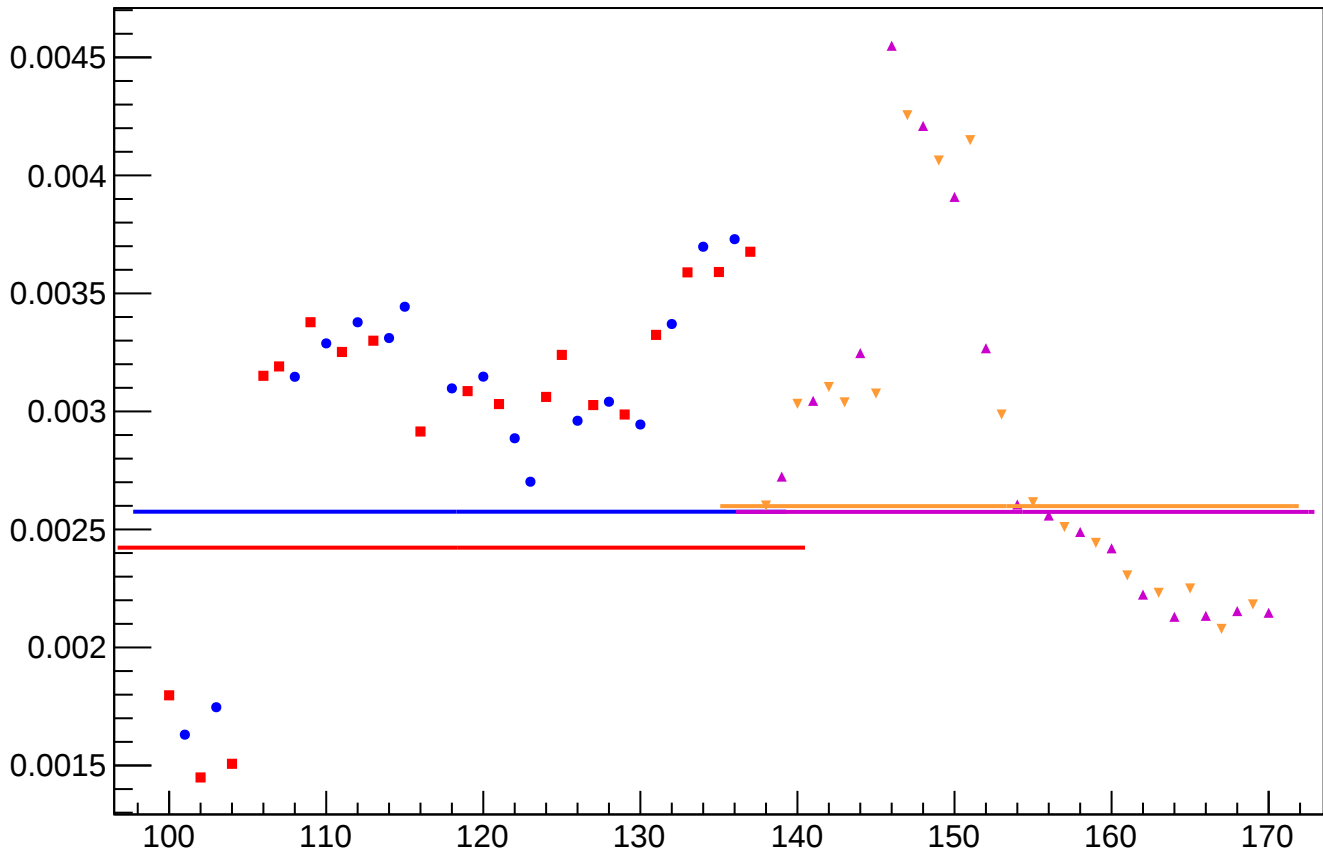
Left In: 0.120+/-0.000 χ^2/NDF : 2036536729356.3/15

+ sign -0.552+/-0.000 χ^2/NDF : 3623065747847.4/3

All: -0.523+/-0.000 χ^2/NDF : 7425878020099

- sign -0.495+/-0.000 χ^2/NDF : 3798714880390.1/3

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003+/-0.000 χ^2/NDF : 874933.9/16

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

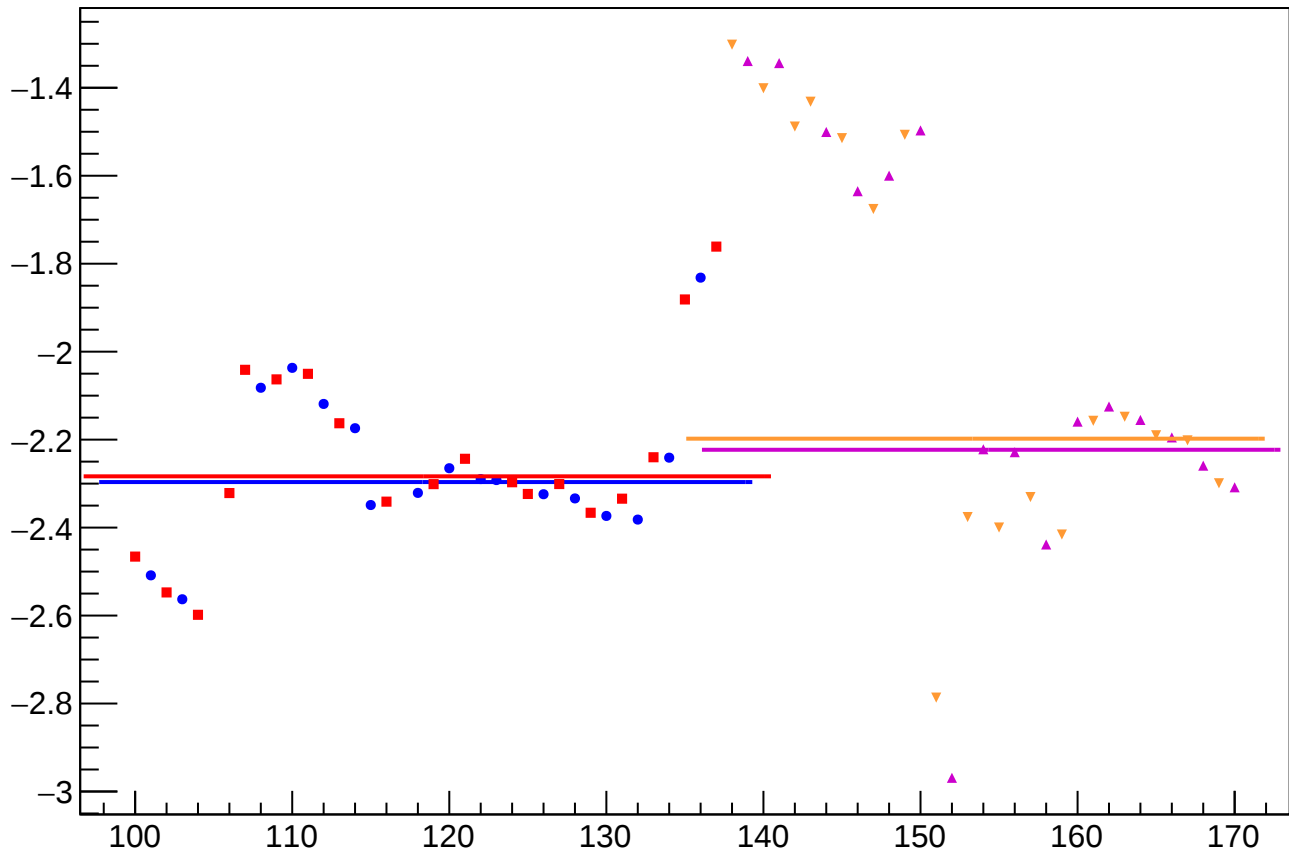
Left In: 0.003+/-0.000 χ^2/NDF : 973210.2/15

+ sign 0.003+/-0.000 χ^2/NDF : 1889388.4/33

All: 0.003+/-0.000 χ^2/NDF : 4393854.7/68

- sign 0.003+/-0.000 χ^2/NDF : 2491013.4/34

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.198+/-0.000 χ^2/NDF : 51486982677.7/16

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

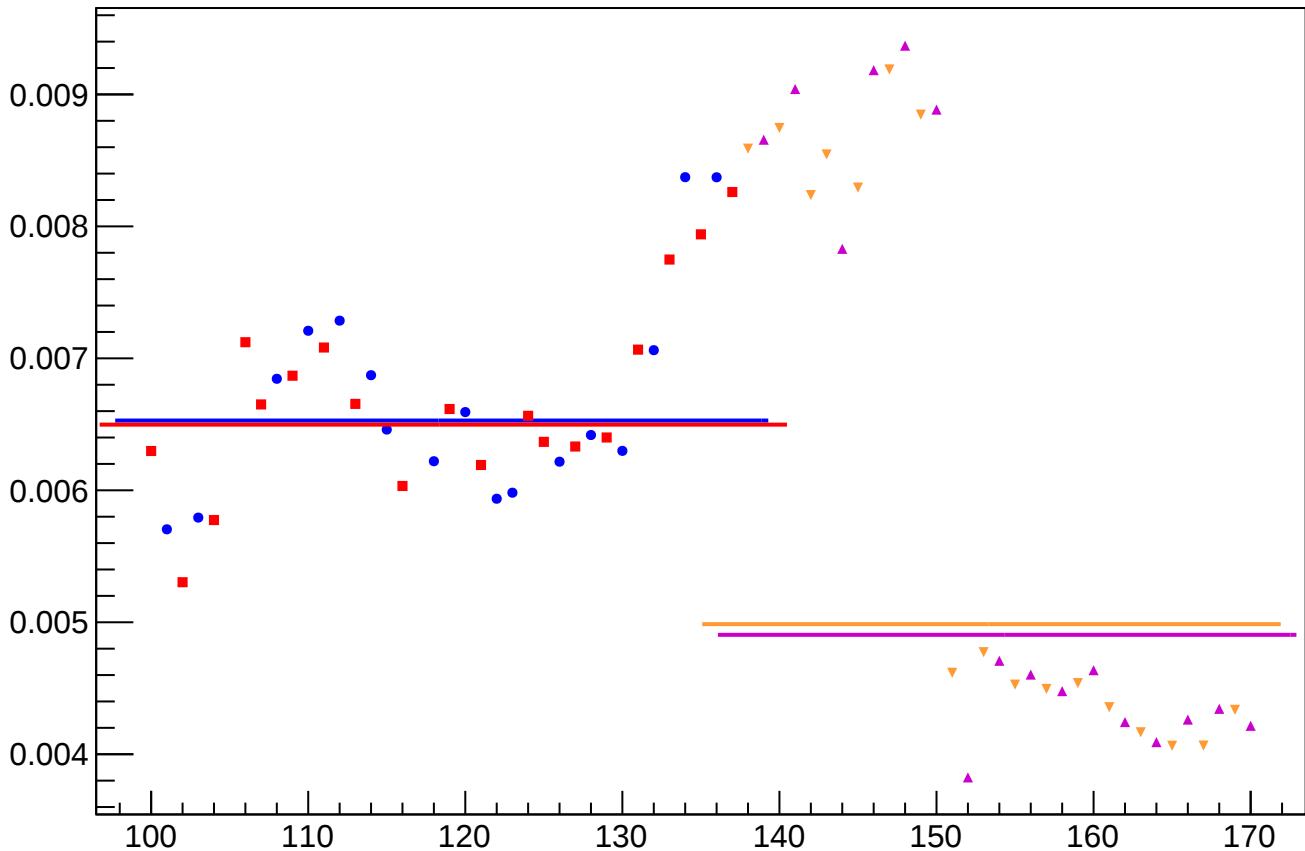
Left In: -2.223+/-0.000 χ^2/NDF : 66695344128.3/15

+ sign -2.223+/-0.000 χ^2/NDF : 58373609648.9/33

All: -2.231+/-0.000 χ^2/NDF : 132129516698.7

- sign -2.239+/-0.000 χ^2/NDF : 73677178006.2/34

yield_bpm0i01aX_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 176467.7/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:2041038.7/16

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 164144.2/18

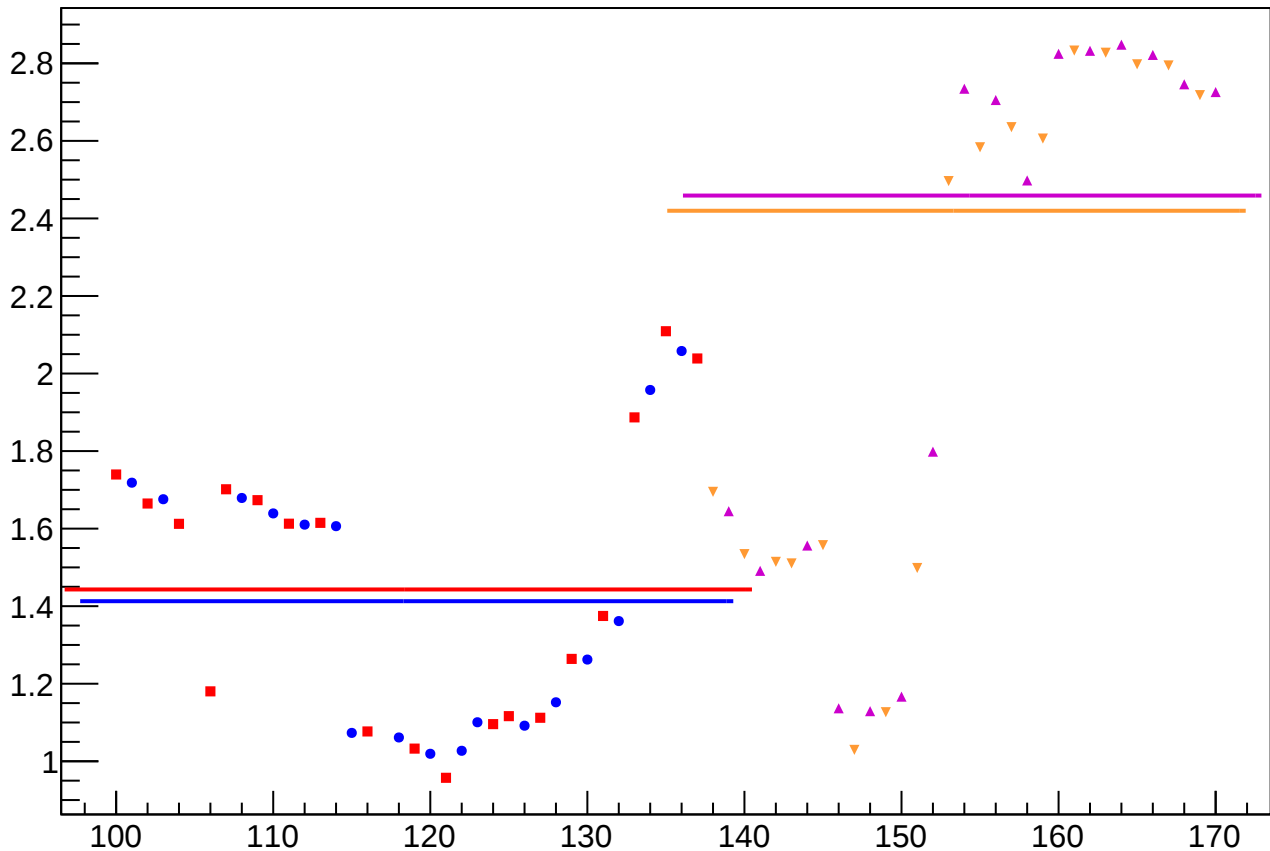
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:2145282.7/15

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2757473.6/33

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 5671536.1/68

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2912221.4/34

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.420+/-0.000 χ^2/NDF : 229750841520.6/16

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

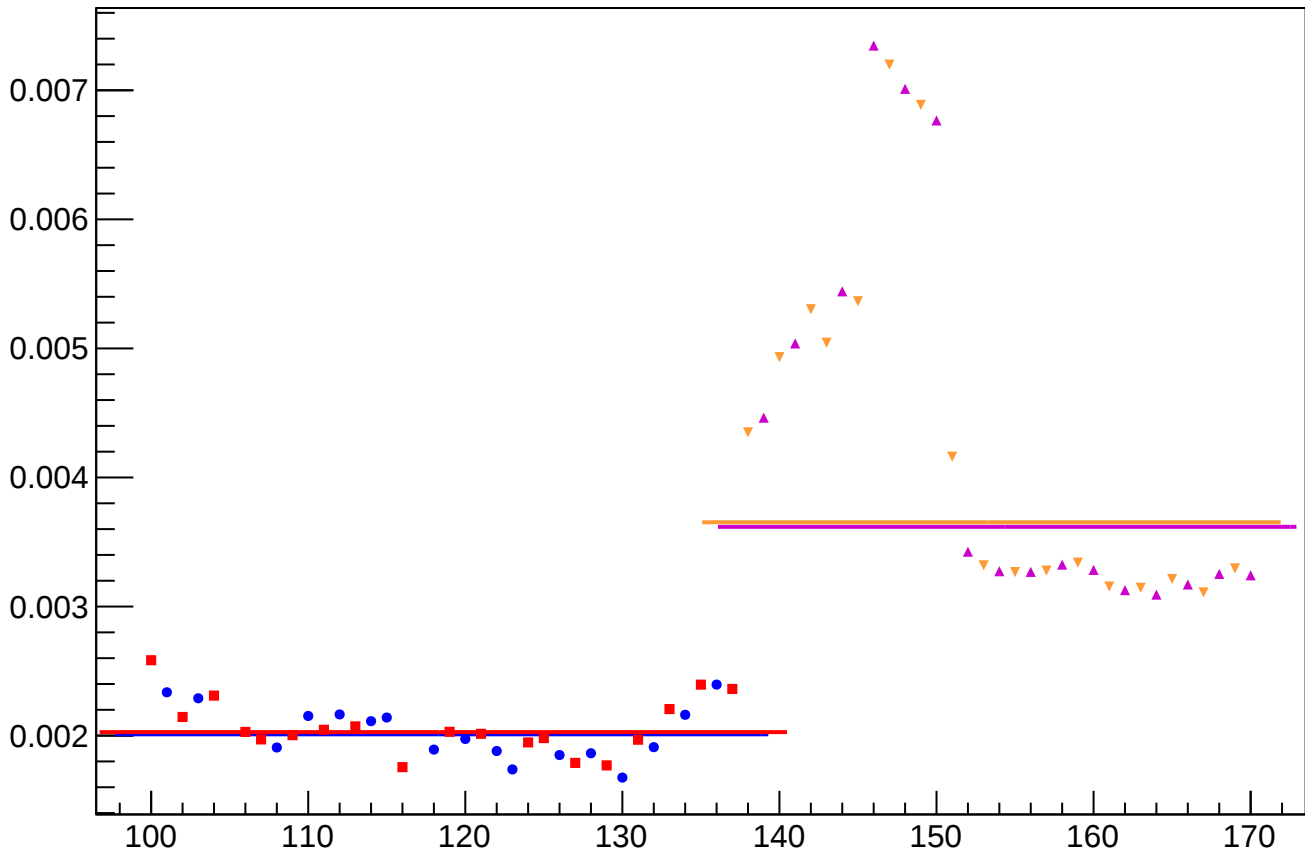
Left In: 2.459+/-0.000 χ^2/NDF : 230753557951.5/15

+ sign 1.769+/-0.000 χ^2/NDF : 949631762760.6/33

All: 1.781+/-0.000 χ^2/NDF : 1916681394003.

- sign 1.794+/-0.000 χ^2/NDF : 966305215177.4/34

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 152530.4/16

Left Out: 0.004+/-0.000 χ^2/NDF :1274450.9/16

Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

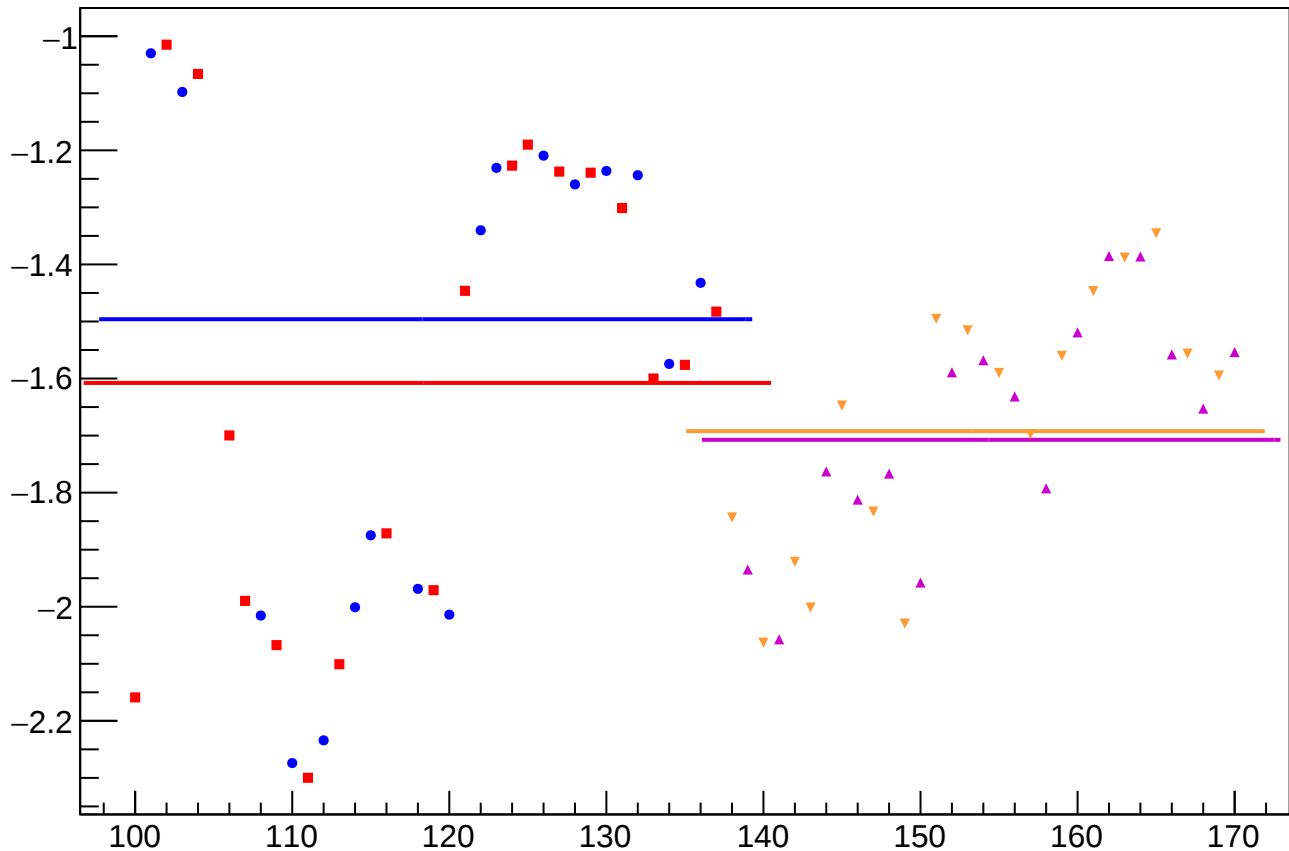
Left In: 0.004+/-0.000 χ^2/NDF :1465791.5/15

+ sign 0.003+/-0.000 χ^2/NDF : 4341109.5/33

All: 0.003+/-0.000 χ^2/NDF : 8667868.7/68

- sign 0.003+/-0.000 χ^2/NDF : 4326240.1/34

yield_bpm0l01X_mean vs Slug



Right In: -1.496 ± 0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.692 ± 0.000 χ^2/NDF : 15674064088.6/16

Right Out: -1.608 ± 0.000 χ^2/NDF : 27836461057.4/18

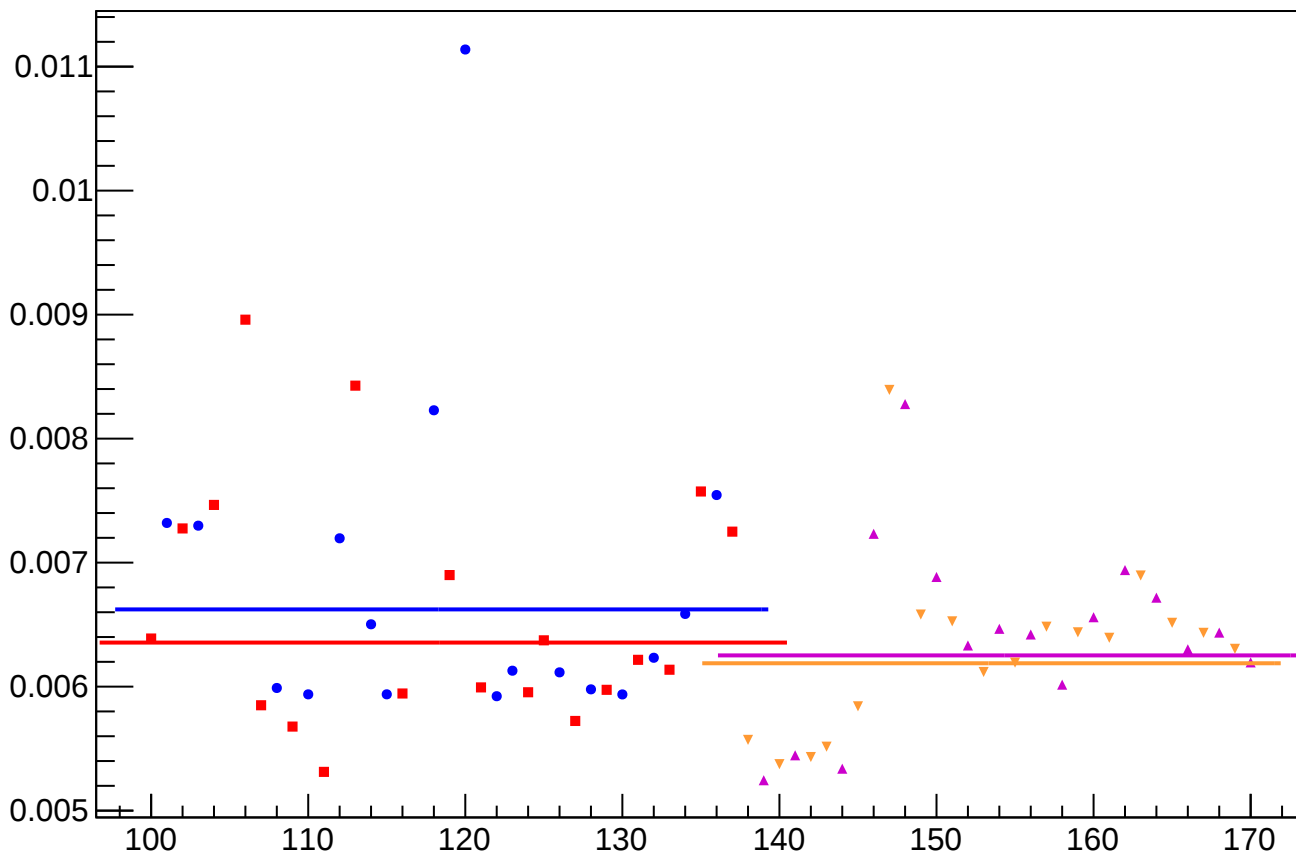
Left In: -1.707 ± 0.000 χ^2/NDF : 11240422481.5/15

+ sign -1.632 ± 0.000 χ^2/NDF : 41893380386.0/33

All: -1.652 ± 0.000 χ^2/NDF : 82393554471.7

- sign -1.672 ± 0.000 χ^2/NDF : 40126102120.0/34

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :226434.4/16

Right Out: 0.006+/-0.000 χ^2/NDF : 227861.1/18

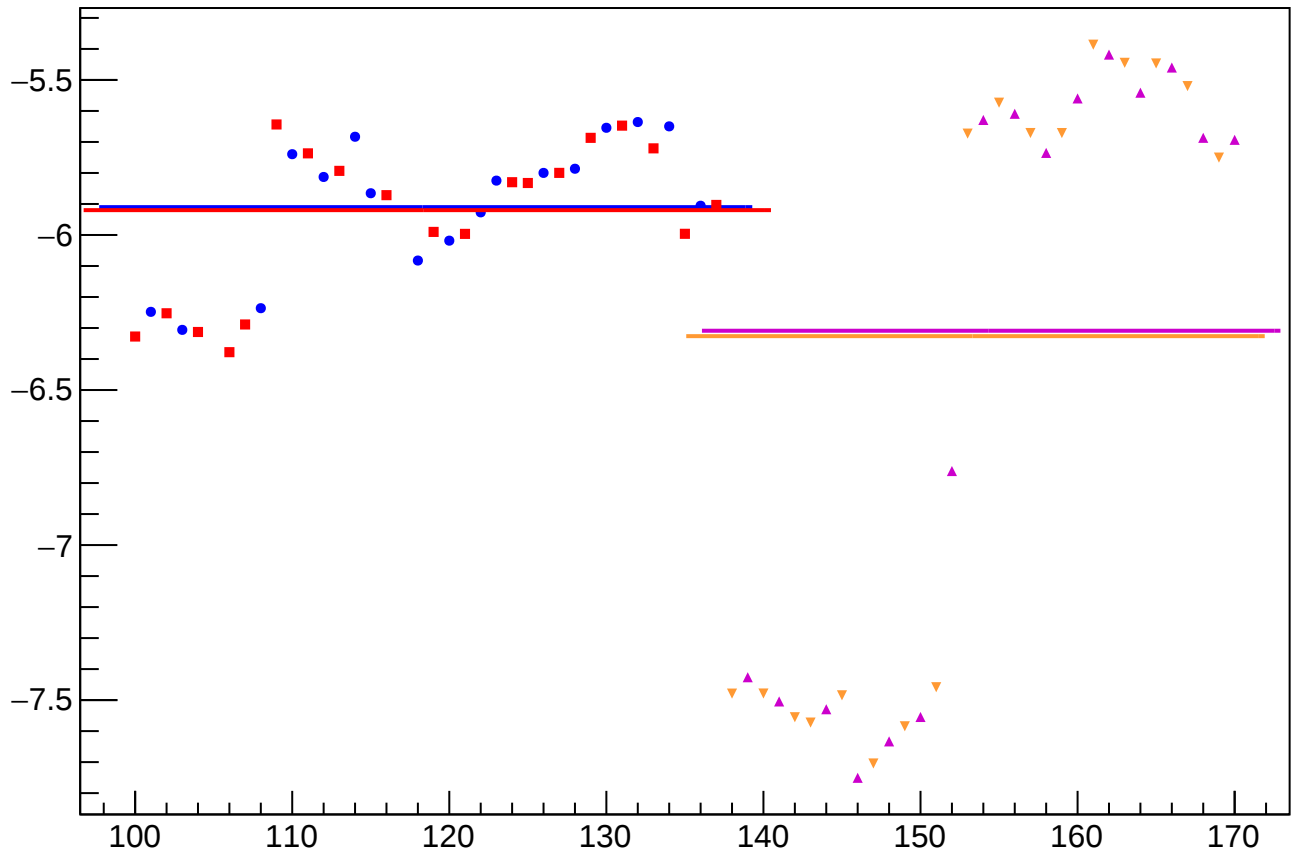
Left In: 0.006+/-0.000 χ^2/NDF :288417.0/15

+ sign 0.006+/-0.000 χ^2/NDF : 495286.9/33

All: 0.006+/-0.000 χ^2/NDF : 1014350.6/68

- sign 0.006+/-0.000 χ^2/NDF : 518534.9/34

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.326+/-0.000 χ^2/NDF : 163020258472.0/16

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

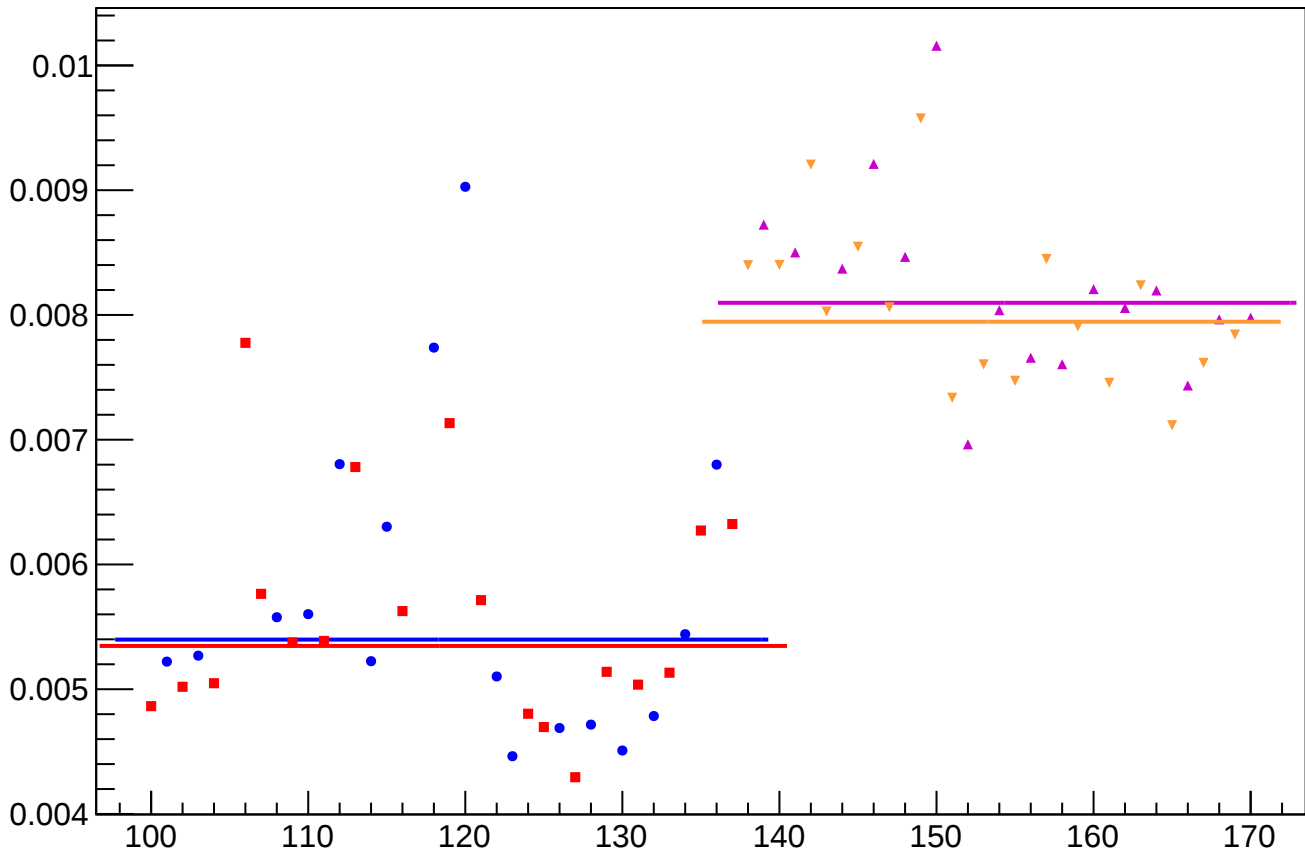
Left In: -6.309+/-0.000 χ^2/NDF : 138469915116.6/15

+ sign -6.104+/-0.000 χ^2/NDF : 190496866874.5/33

All: -6.096+/-0.000 χ^2/NDF : 356393051378.2

- sign -6.088+/-0.000 χ^2/NDF : 165851356657.7/34

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 371347.4/16

Left Out: 0.008+/-0.000 χ^2/NDF :115729.5/16

Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

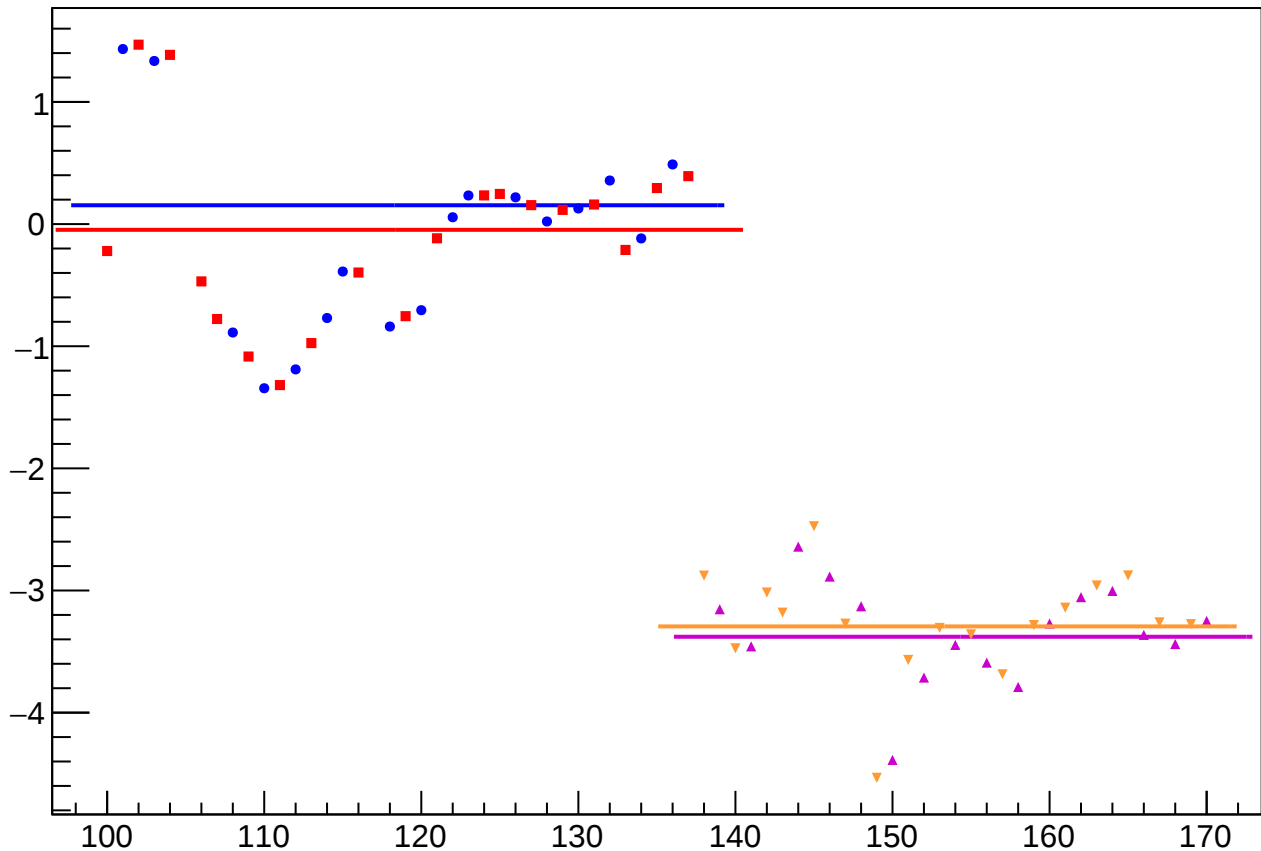
Left In: 0.008+/-0.000 χ^2/NDF :151912.0/15

+ sign 0.007+/-0.000 χ^2/NDF : 1711215.5/33

All: 0.007+/-0.000 χ^2/NDF : 3573278.6/68

- sign 0.007+/-0.000 χ^2/NDF : 1861330.2/34

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.294+/-0.000 χ^2/NDF : 7934044991.2/16

+ sign -1.939+/-0.000 χ^2/NDF : 246328011746.5/33

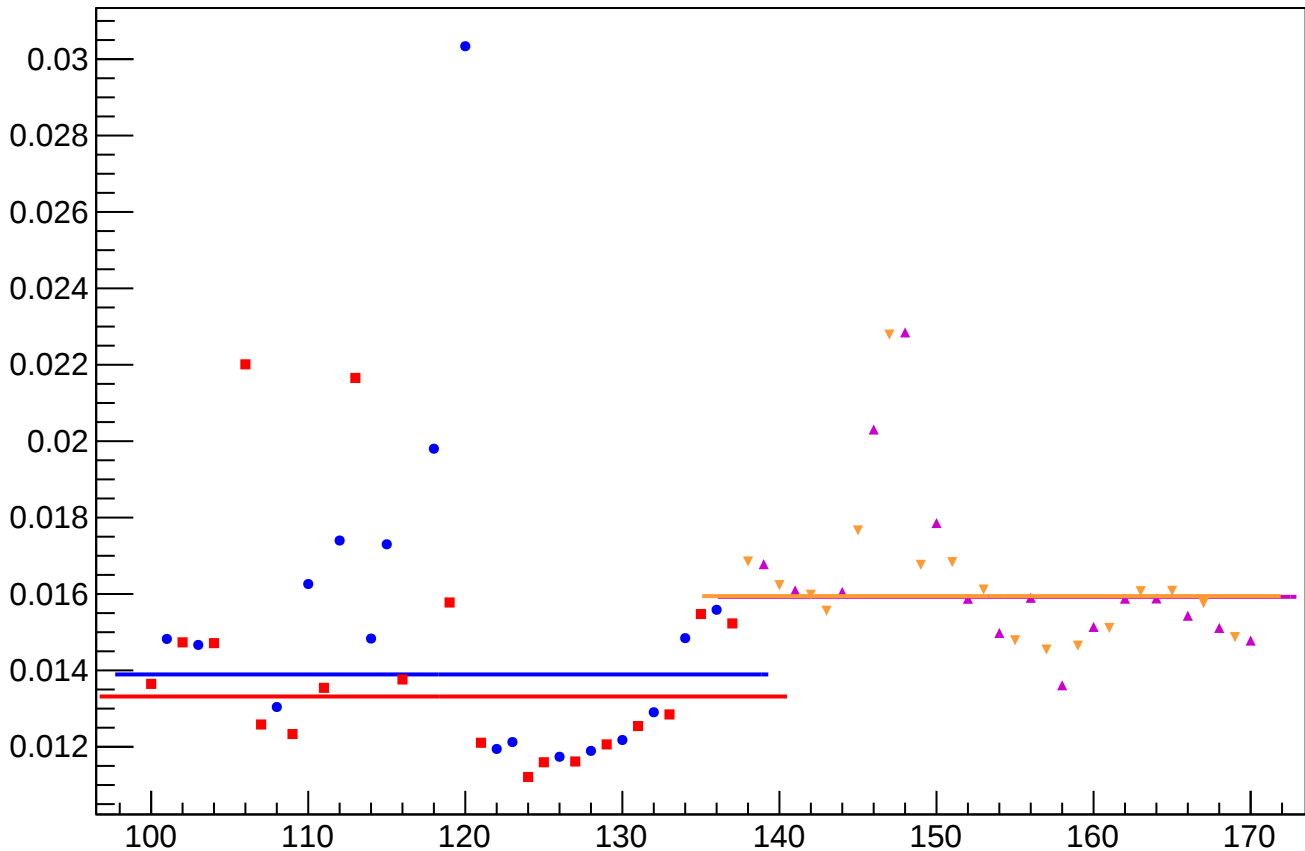
Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

All: -1.928+/-0.000 χ^2/NDF : 501404732000.9

Left In: -3.379+/-0.000 χ^2/NDF : 6924468619.6/15

- sign -1.917+/-0.000 χ^2/NDF : 255055891760.6/34

yield_bpm0l02X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 400569.4/16

Left Out: 0.016 $\pm$ 0.000 χ^2/NDF : 203301.8/16

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 291358.0/18

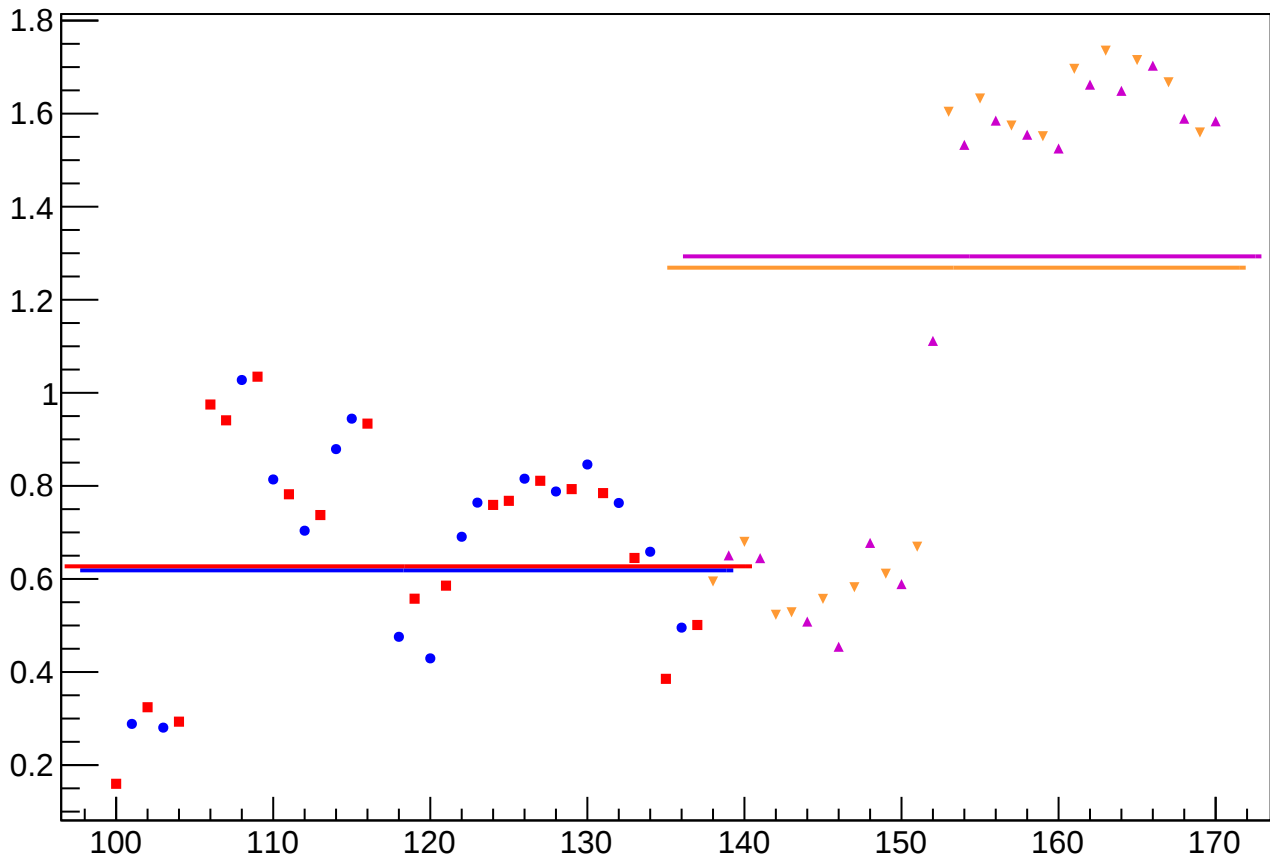
Left In: 0.016 $\pm$ 0.000 χ^2/NDF : 293630.9/15

+ sign 0.015 $\pm$ 0.000 χ^2/NDF : 760257.3/33

All: 0.015 $\pm$ 0.000 χ^2/NDF : 1633781.2/68

- sign 0.015 $\pm$ 0.000 χ^2/NDF : 863242.6/34

yield_bpm0l02Y_mean vs Slug



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 1.269+/-0.000 χ^2/NDF : 65398718681.5/16

Right Out: 0.627+/-0.000 χ^2/NDF : 6337935219.4/18

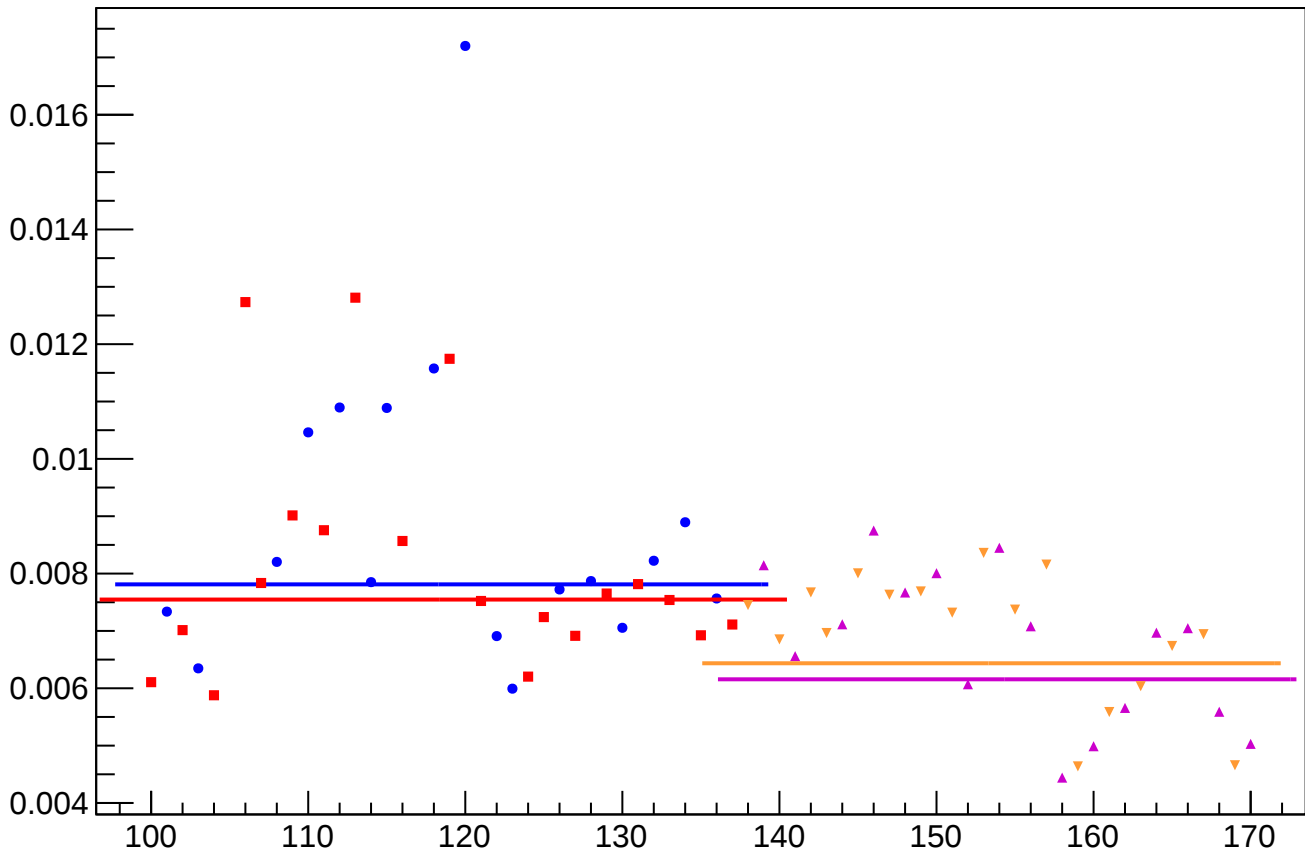
Left In: 1.293+/-0.000 χ^2/NDF : 56855150503.3/15

+ sign 1.100+/-0.000 χ^2/NDF : 100659249462.4/33

All: 1.108+/-0.000 χ^2/NDF : 199191088478.8

- sign 1.115+/-0.000 χ^2/NDF : 98489504827.3/34

yield_bpm0l02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 466827.3/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:877766.1/16

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 441823.4/18

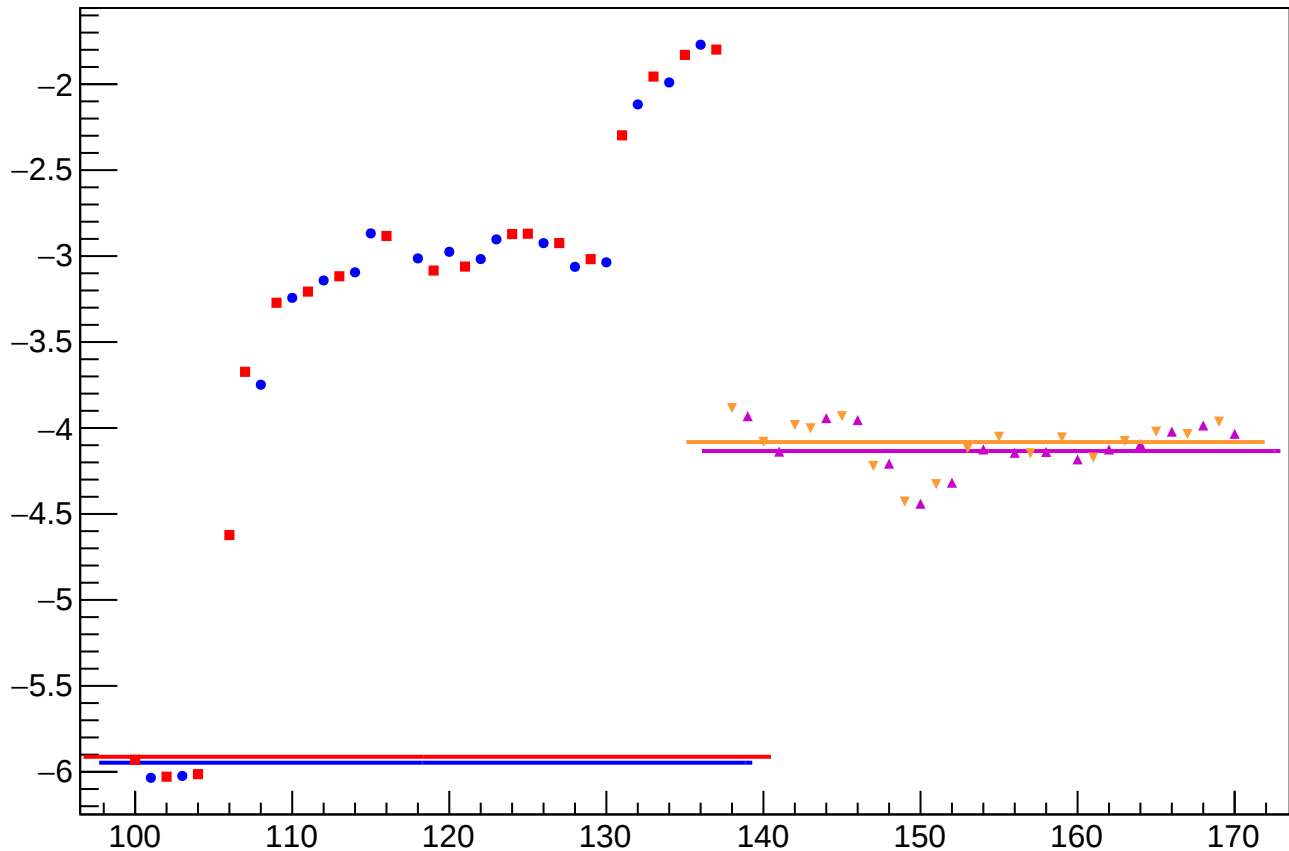
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:971528.4/15

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1611701.5/33

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3359679.3/68

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1721052.8/34

yield_bpm0l03X_mean vs Slug



Right In: -5.947 ± 0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.081 ± 0.000 χ^2/NDF : 33838741.4/16

Right Out: -5.912 ± 0.000 χ^2/NDF : 14619971495.0/18

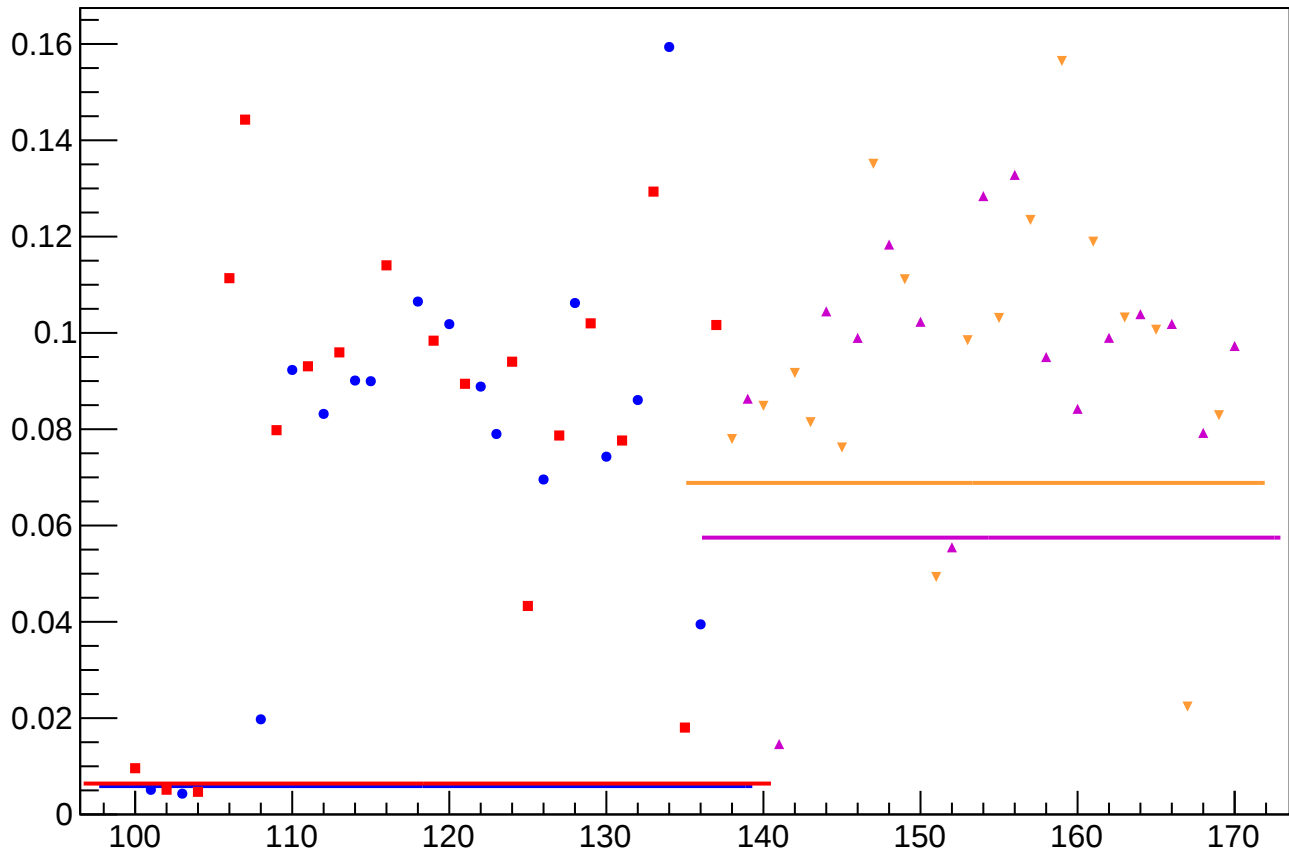
Left In: -4.134 ± 0.000 χ^2/NDF : 25035001.6/15

+ sign -5.880 ± 0.000 χ^2/NDF : 19150575819.0/33

All: -5.855 ± 0.000 χ^2/NDF : 39834636132.4/34

- sign -5.824 ± 0.000 χ^2/NDF : 20616917925.3/34

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7934545.2/16

Left Out: 0.069 $\pm$ 0.000 χ^2 /NDF:4491935.4/16

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8498586.9/18

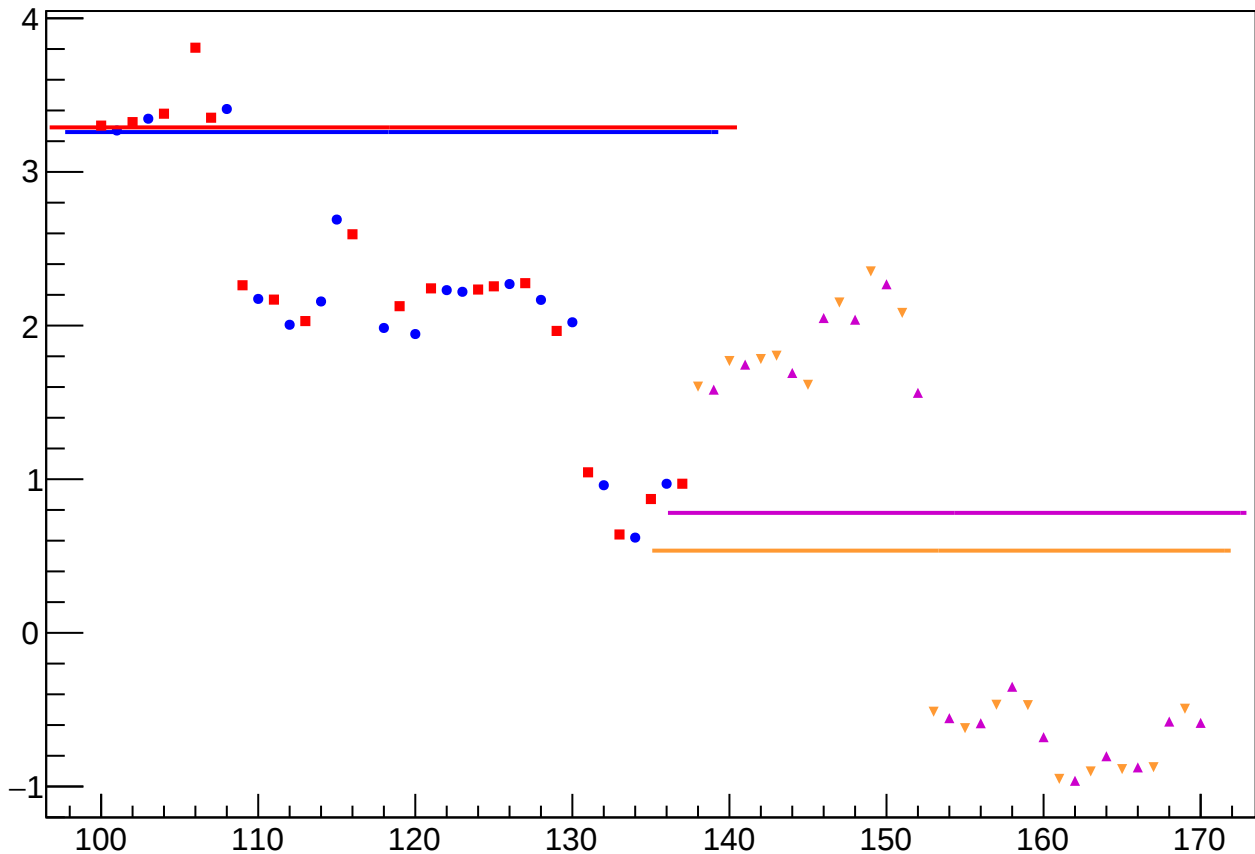
Left In: 0.057 $\pm$ 0.000 χ^2 /NDF:6707706.9/15

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 25984432.2/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 51065680.5/68

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 25054399.9/34

yield_bpm0l03Y_mean vs Slug



Right In: 3.259 $\pm$ 0.000 χ^2 /NDF: 2921931976.8/16

Left Out: 0.535 $\pm$ 0.000 χ^2 /NDF: 2644578127.6/16

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3262231575.5/18

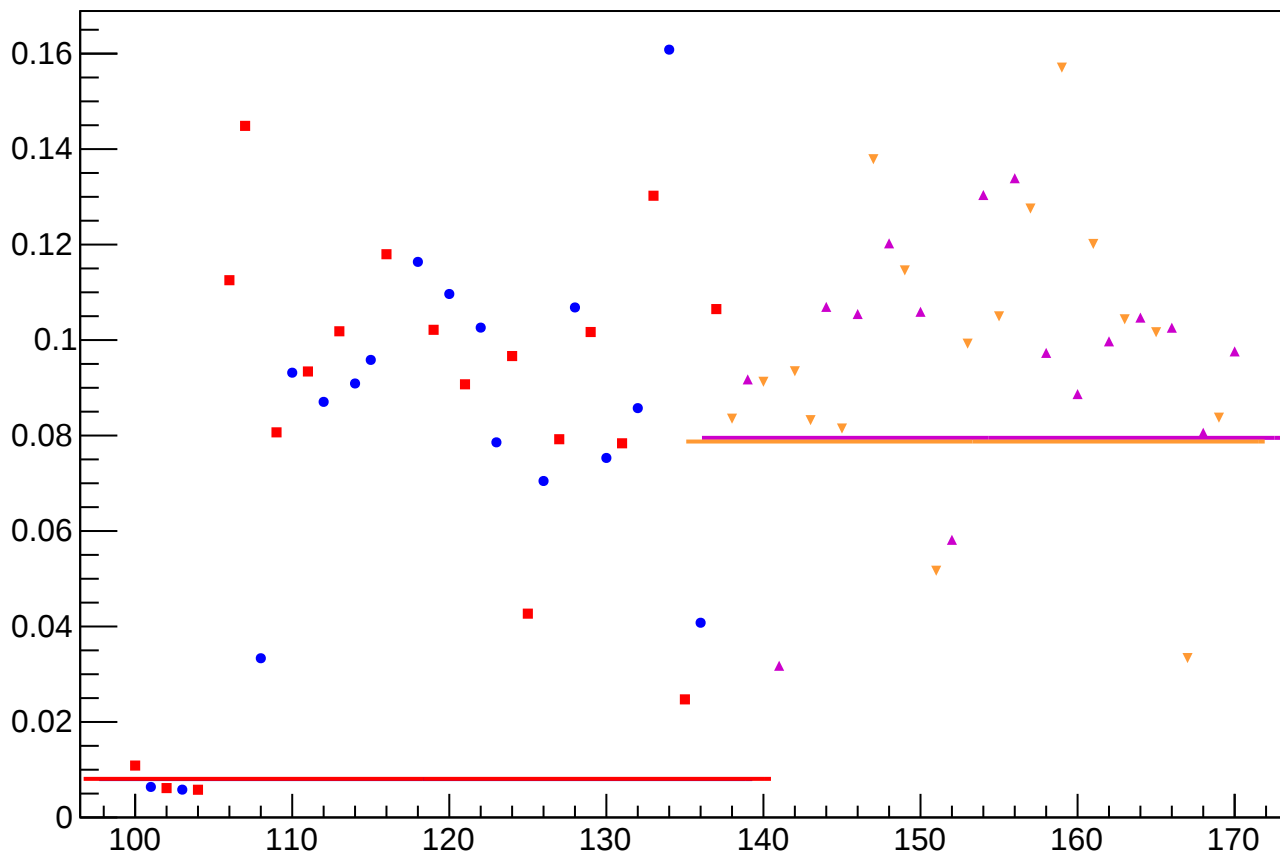
Left In: 0.781 $\pm$ 0.000 χ^2 /NDF: 2004018343.1/15

+ sign 3.125 $\pm$ 0.000 χ^2 /NDF: 16117659863.0/33

All: 3.145 $\pm$ 0.000 χ^2 /NDF: 29635231850.2/6

- sign 3.166 $\pm$ 0.000 χ^2 /NDF: 13492843079.7/34

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.079 $\pm$ 0.000 χ^2 /NDF: 2967024.7/16

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

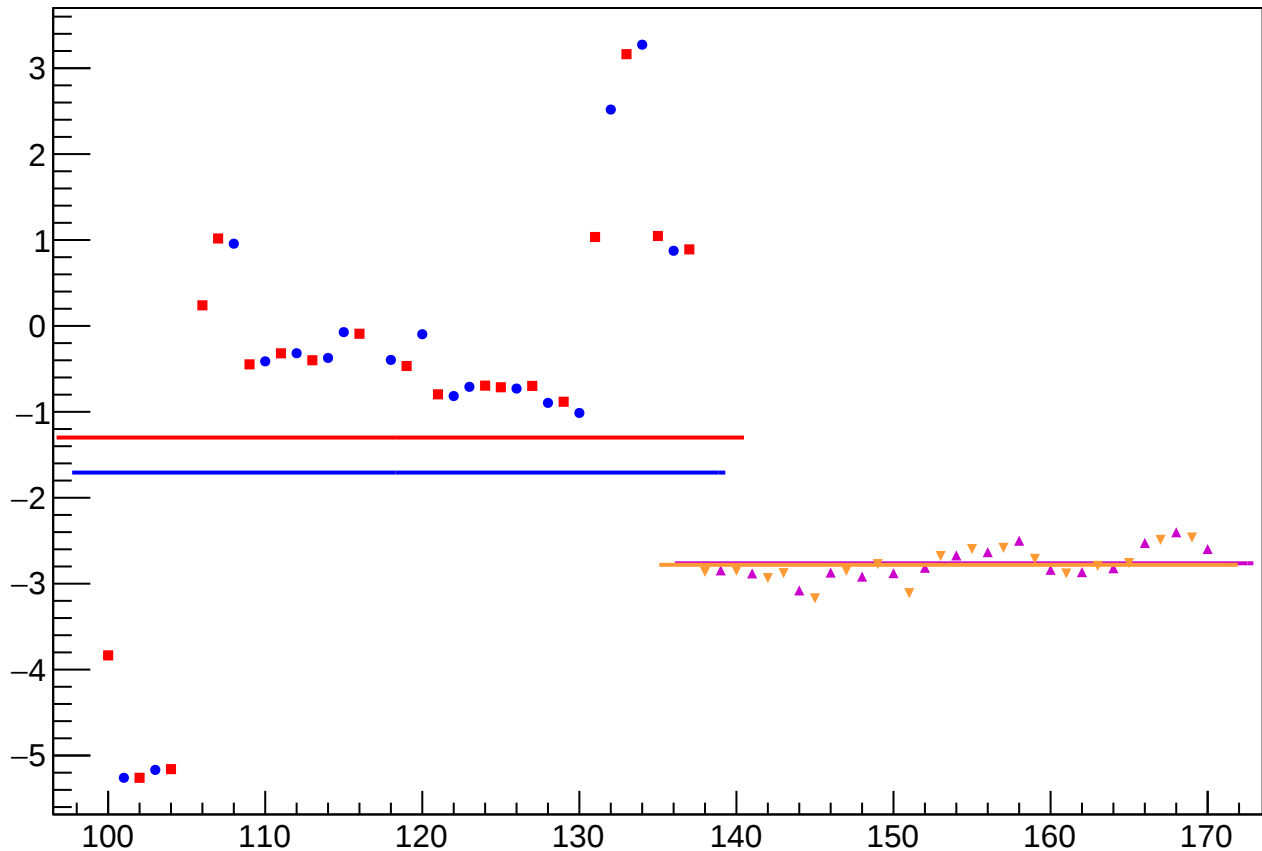
Left In: 0.080 $\pm$ 0.000 χ^2 /NDF: 2800827.4/15

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 24923469.0/33

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 49369499.5/68

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 24445863.2/34

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.780+/-0.000 χ^2/NDF : 7263160098.9/16

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

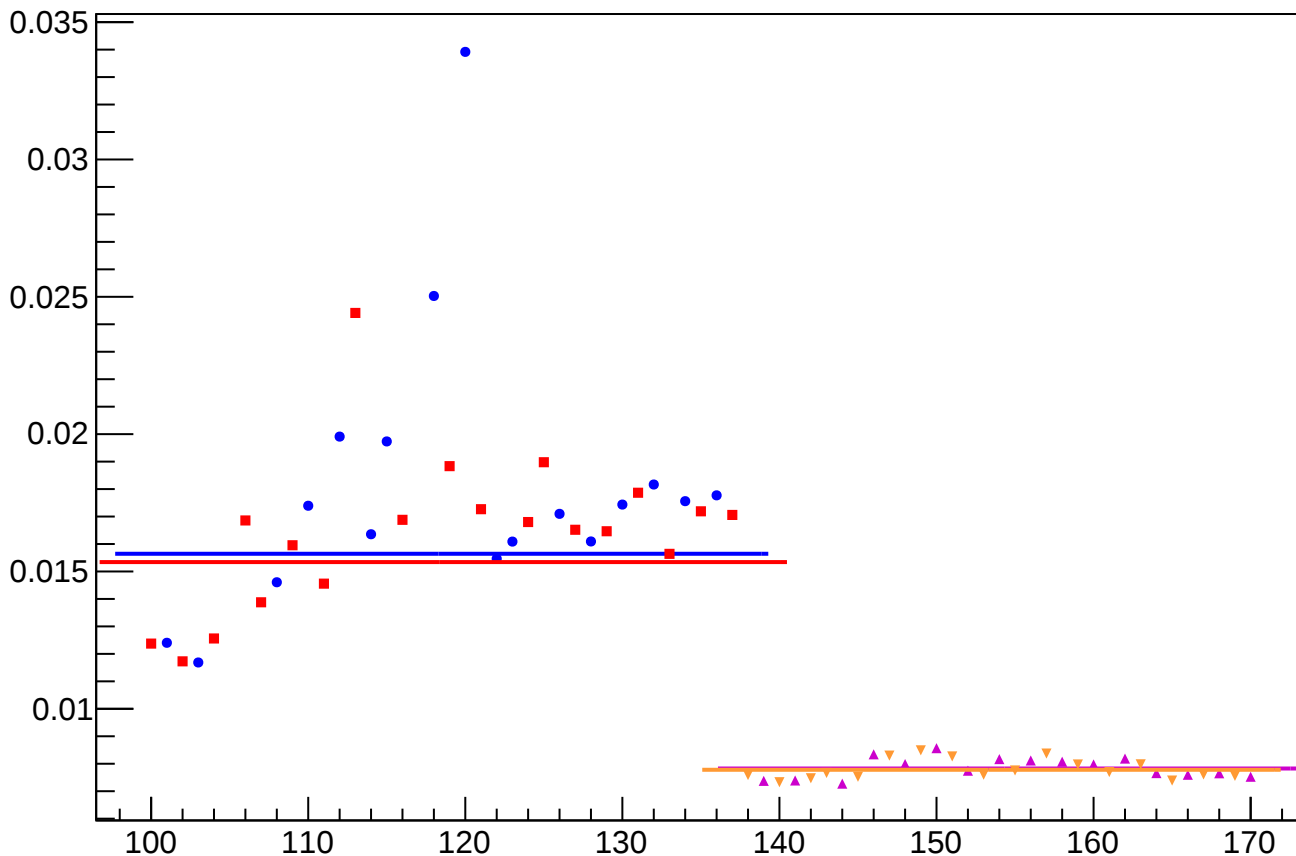
Left In: -2.763+/-0.000 χ^2/NDF : 6524643380.7/15

+ sign -2.670+/-0.000 χ^2/NDF : 197068698692.7/33

All: -2.630+/-0.000 χ^2/NDF : 432056747927.6

- sign -2.589+/-0.000 χ^2/NDF : 234256391330.4/34

yield_bpm0l04X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 578244.3/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:46937.3/16

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 353806.7/18

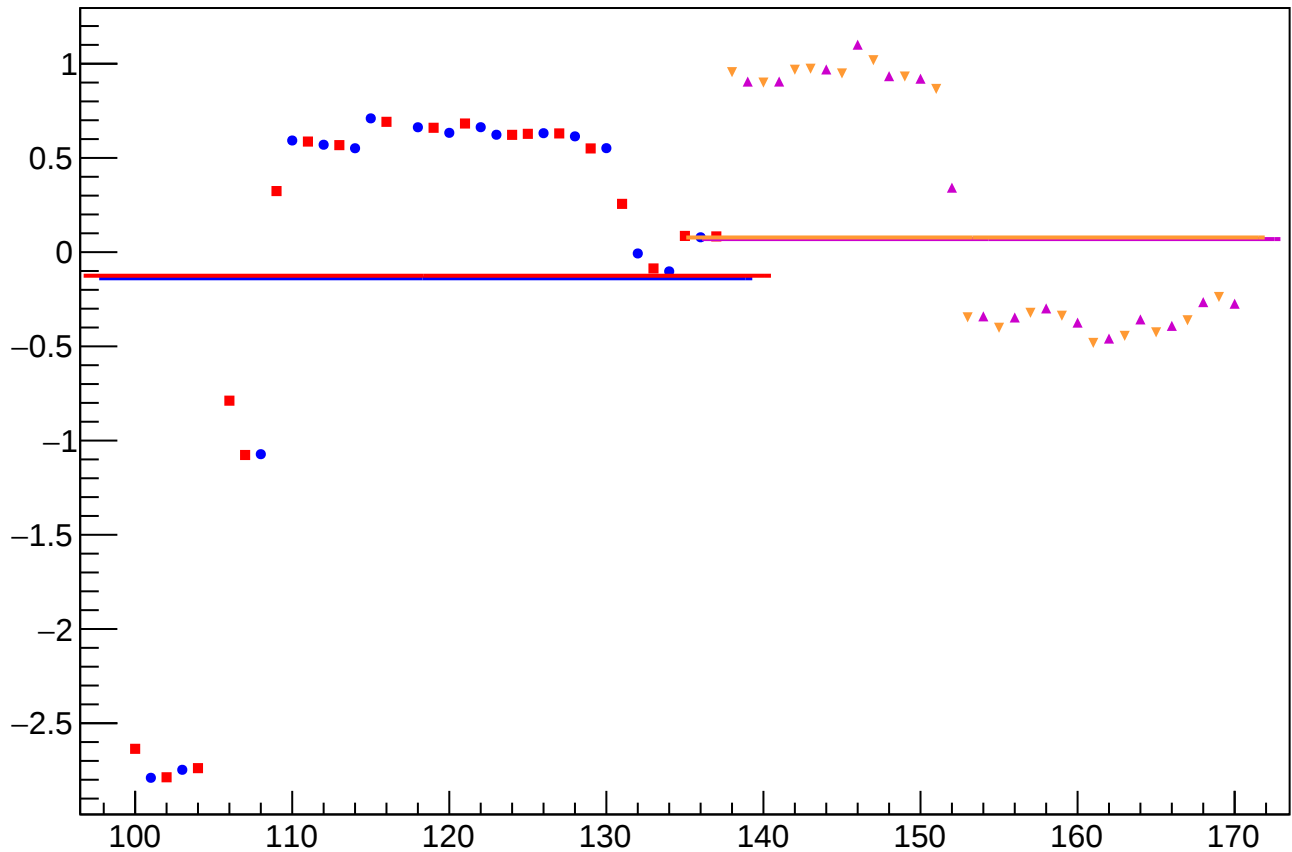
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:53577.0/15

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3166926.8/33

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6199284.1/68

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3028562.9/34

yield_bpm0l04Y_mean vs Slug



Right In: -0.139 ± 0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.078 ± 0.000 χ^2/NDF : 122637521257.8/16

Right Out: -0.125 ± 0.000 χ^2/NDF : 761496762534.7/18

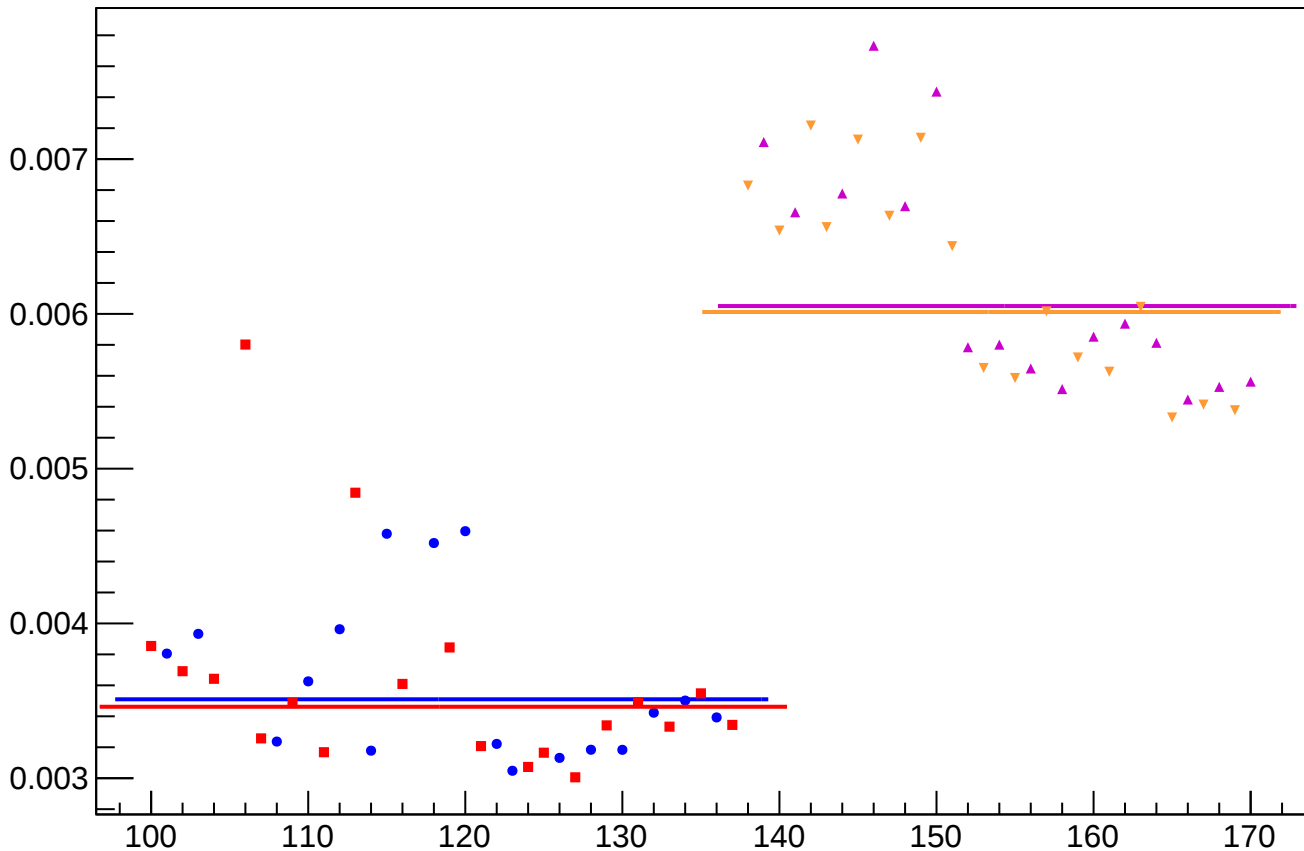
Left In: 0.069 ± 0.000 χ^2/NDF : 103354127967.1/15

+ sign -0.056 ± 0.000 χ^2/NDF : 846825131779.3/33

All: -0.056 ± 0.000 χ^2/NDF : 1719231983143

- sign -0.056 ± 0.000 χ^2/NDF : 872406702889.6/34

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 171337.9/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:224212.1/16

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 215974.1/18

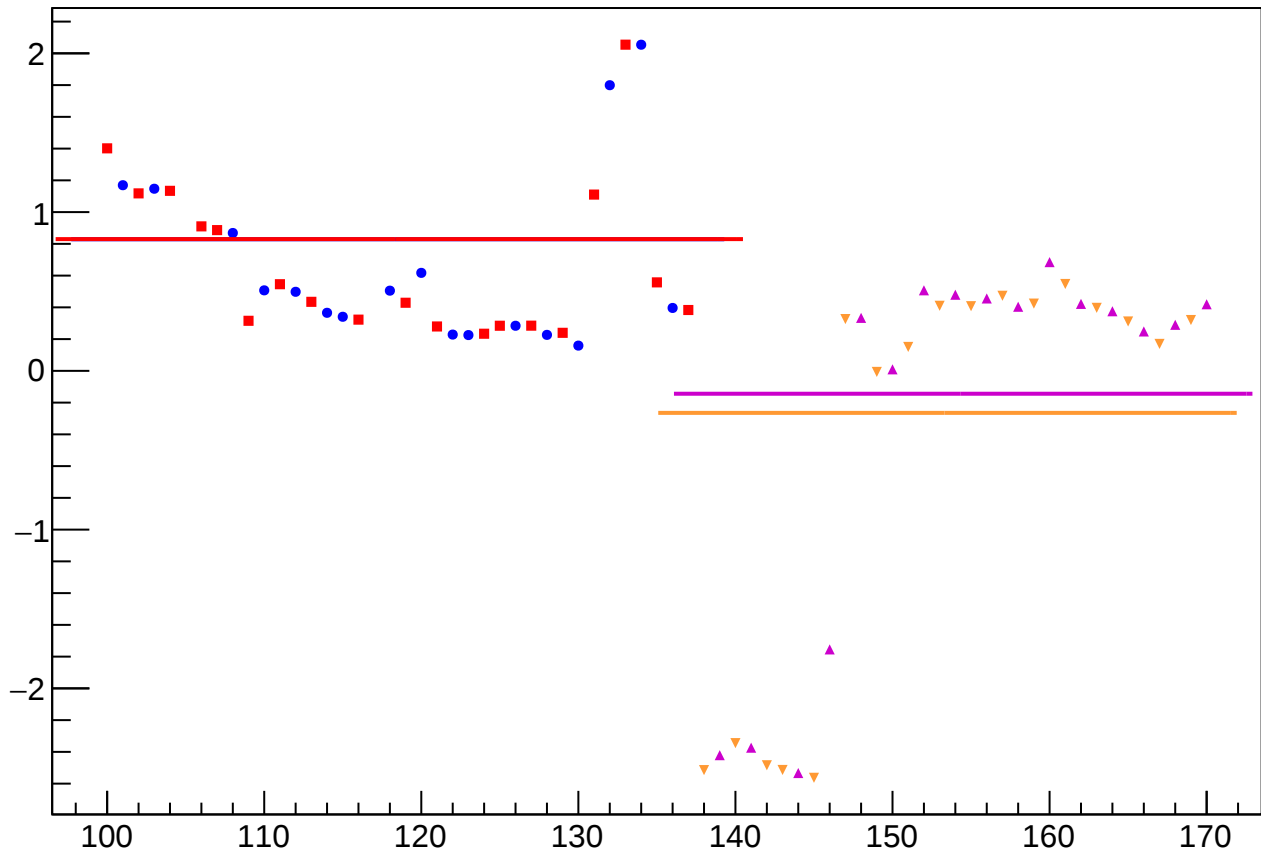
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:255185.5/15

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2834943.6/33

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 5989353.8/68

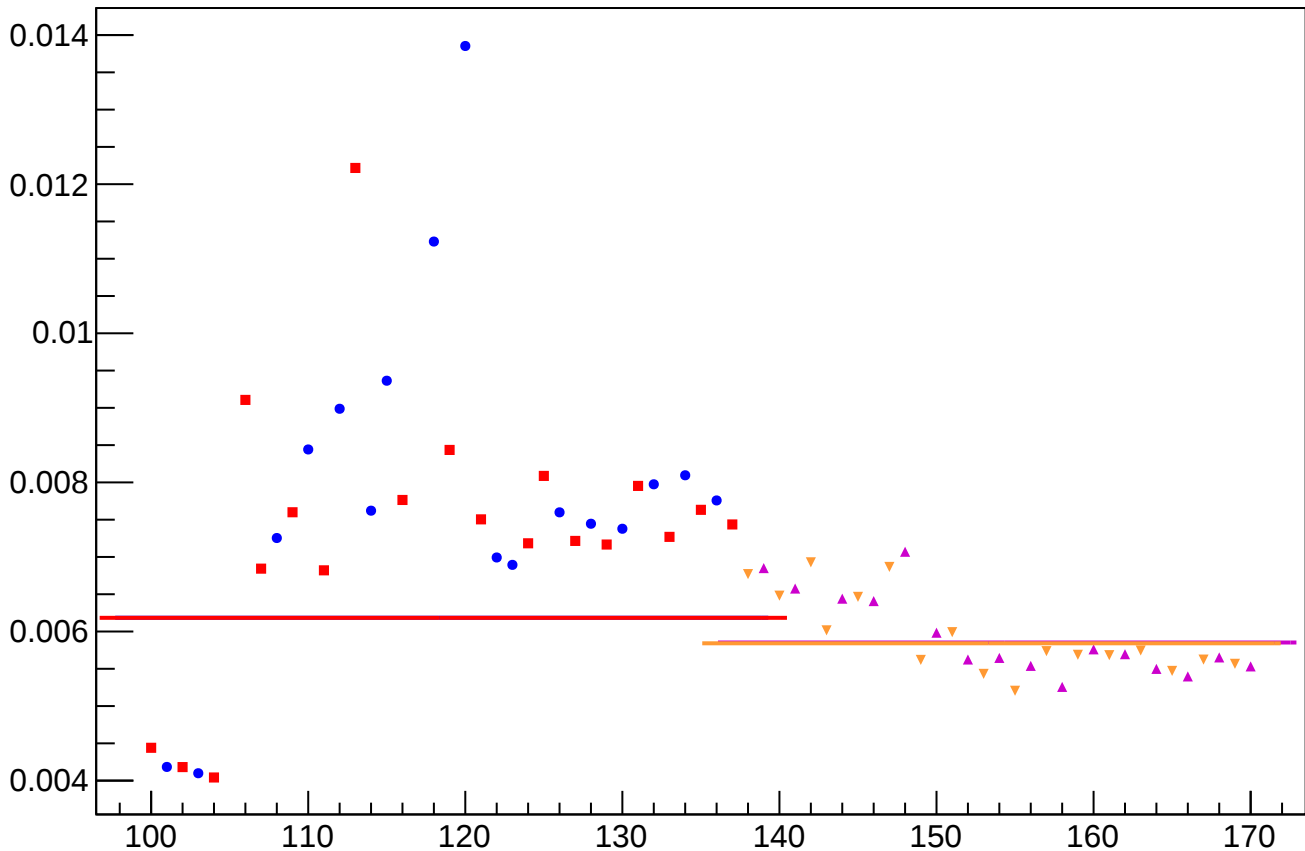
- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3149438.0/34

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000	χ^2/NDF : 31718573821.2/16	+ sign 0.051+/-0.000	χ^2/NDF : 608349406019.9/33
Left Out: -0.265+/-0.000	χ^2/NDF : 458356630848.0/16	All: 0.104+/-0.000	χ^2/NDF : 1143459966849.
Right Out: 0.830+/-0.000	χ^2/NDF : 33335665437.8/18	- sign 0.156+/-0.000	χ^2/NDF : 532390533225.6/34
Left In: -0.144+/-0.000	χ^2/NDF : 399422847239.3/15		

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :152585.7/16

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

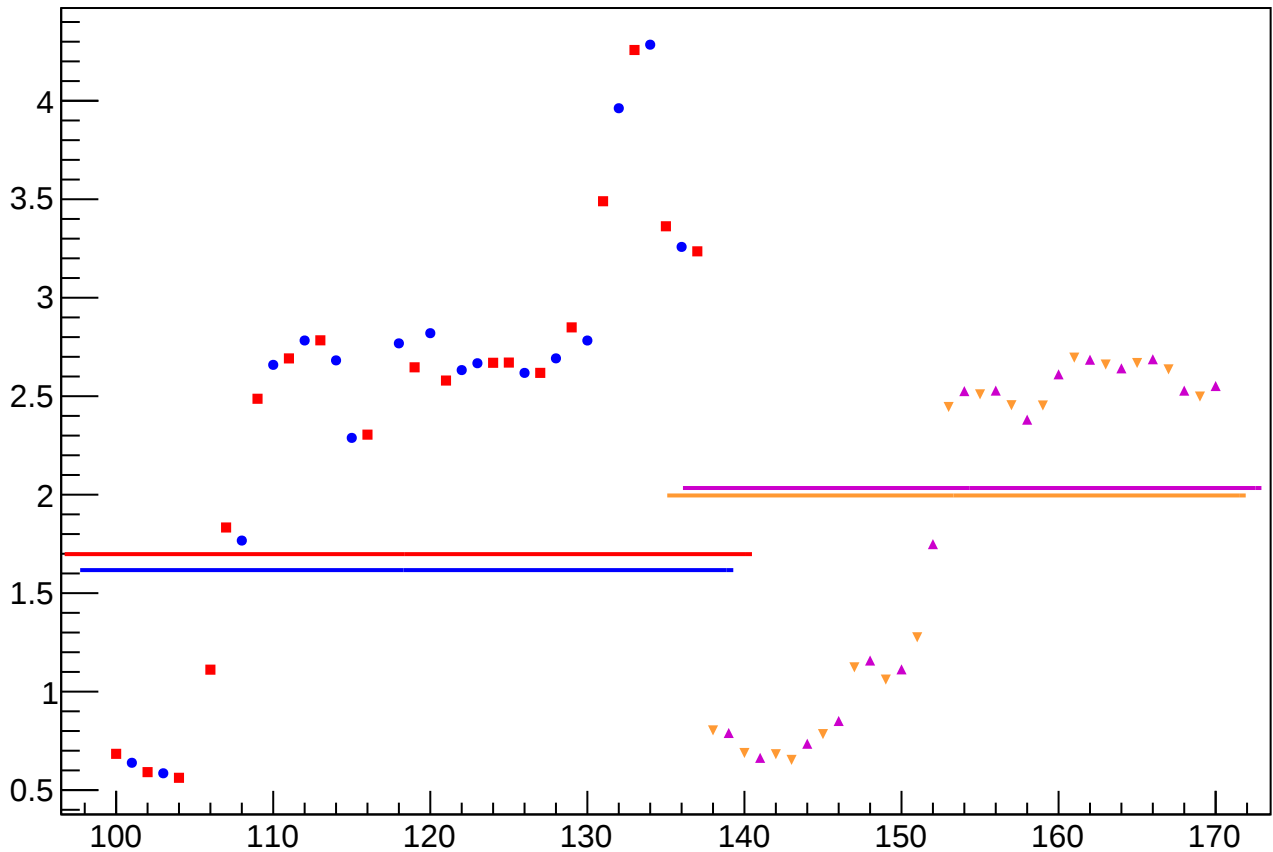
Left In: 0.006+/-0.000 χ^2/NDF :165976.4/15

+ sign 0.006+/-0.000 χ^2/NDF : 1404805.5/33

All: 0.006+/-0.000 χ^2/NDF : 2620733.2/68

- sign 0.006+/-0.000 χ^2/NDF : 1215832.9/34

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 1.996+/-0.000 χ^2/NDF : 252216718219.2/16

Right Out: 1.698+/-0.000 χ^2/NDF : 227408345801.7/18

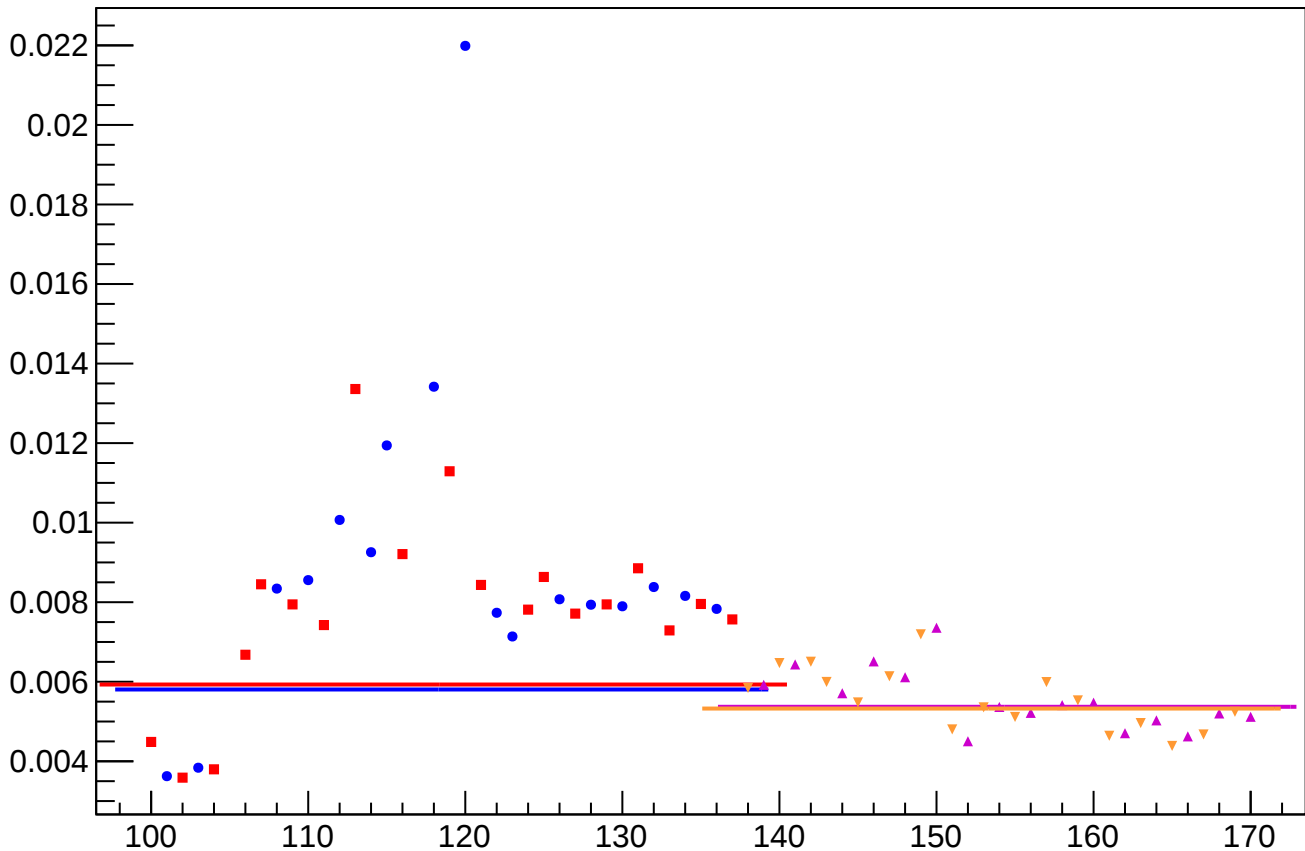
Left In: 2.034+/-0.000 χ^2/NDF : 220621441532.6/15

+ sign 1.894+/-0.000 χ^2/NDF : 470163402169.1/33

All: 1.917+/-0.000 χ^2/NDF : 931035834480.9

- sign 1.939+/-0.000 χ^2/NDF : 460342062527.1/34

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 361445.7/16

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

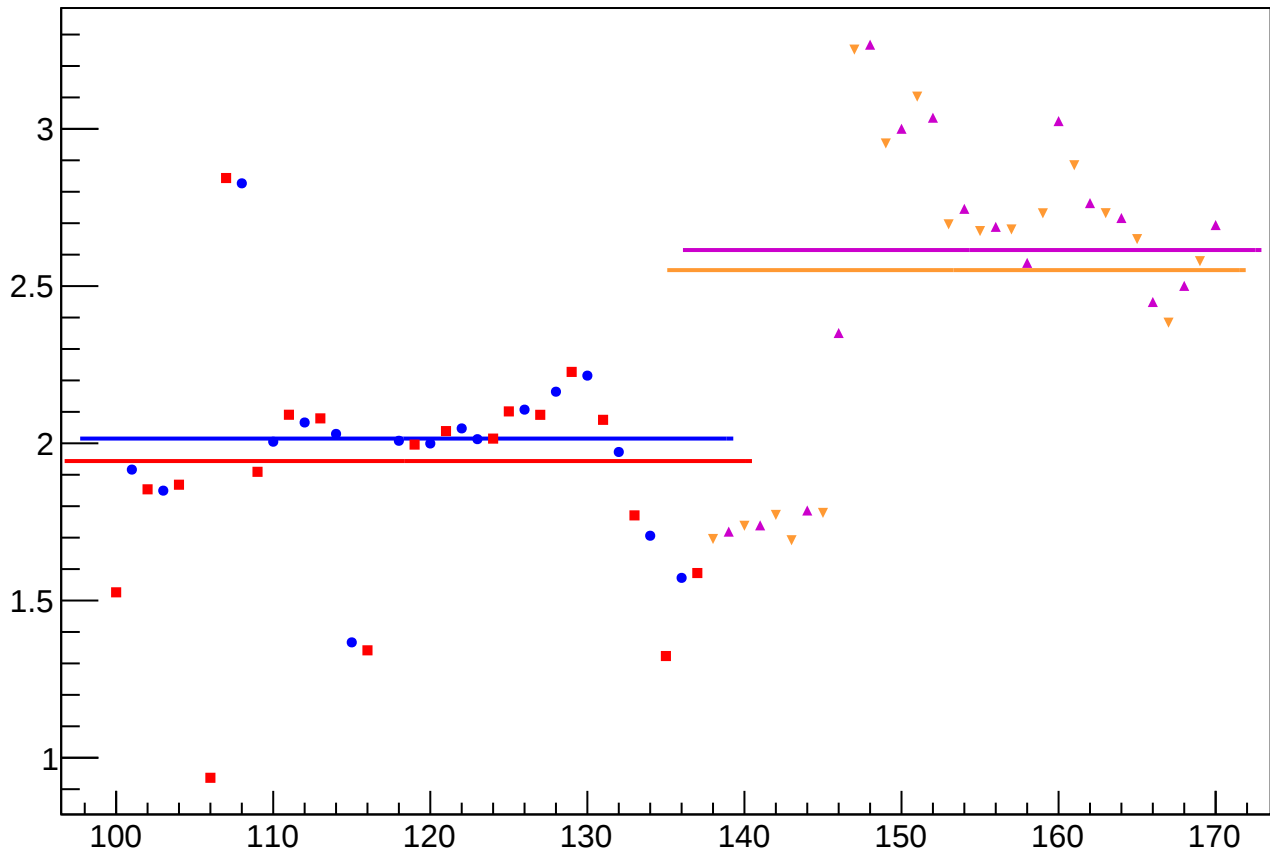
Left In: 0.005+/-0.000 χ^2/NDF : 346391.4/15

+ sign 0.005+/-0.000 χ^2/NDF : 2327579.0/33

All: 0.005+/-0.000 χ^2/NDF : 4430992.8/68

- sign 0.006+/-0.000 χ^2/NDF : 2100476.1/34

yield_bpm0l06X_mean vs Slug



Right In: 2.015 $\pm$ 0.000 χ^2 /NDF: 12228403202.6/16

Left Out: 2.551 $\pm$ 0.000 χ^2 /NDF: 48552516489.9/16

Right Out: 1.944 $\pm$ 0.000 χ^2 /NDF: 21427099579.0/18

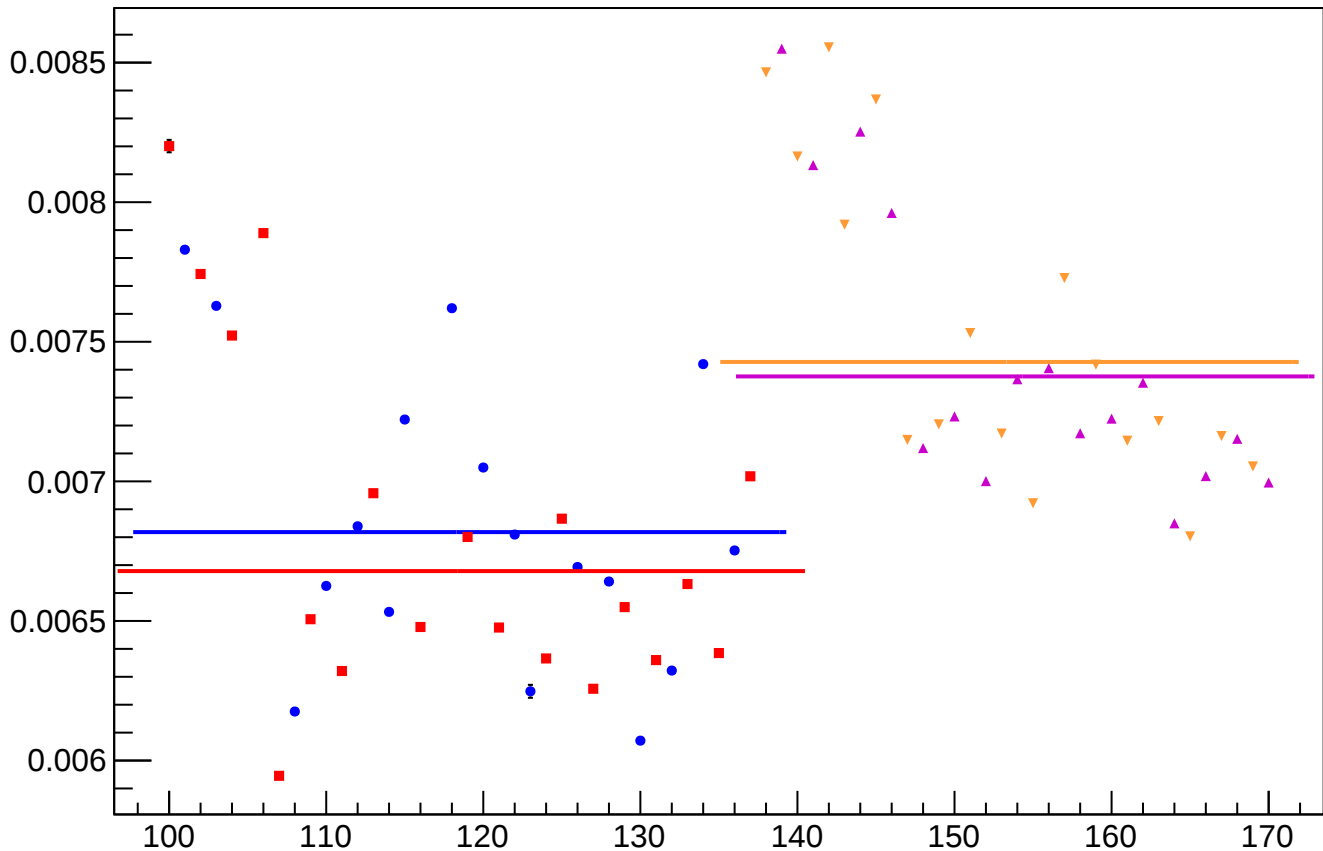
Left In: 2.615 $\pm$ 0.000 χ^2 /NDF: 41212045204.2/15

+ sign 2.343 $\pm$ 0.000 χ^2 /NDF: 84842773854.3/33

All: 2.341 $\pm$ 0.000 χ^2 /NDF: 187914055549.2

- sign 2.340 $\pm$ 0.000 χ^2 /NDF: 103068623432.8/34

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 75813.9/16

Left Out: 0.007+/-0.000 χ^2/NDF :105320.3/16

Right Out: 0.007+/-0.000 χ^2/NDF : 75718.4/18

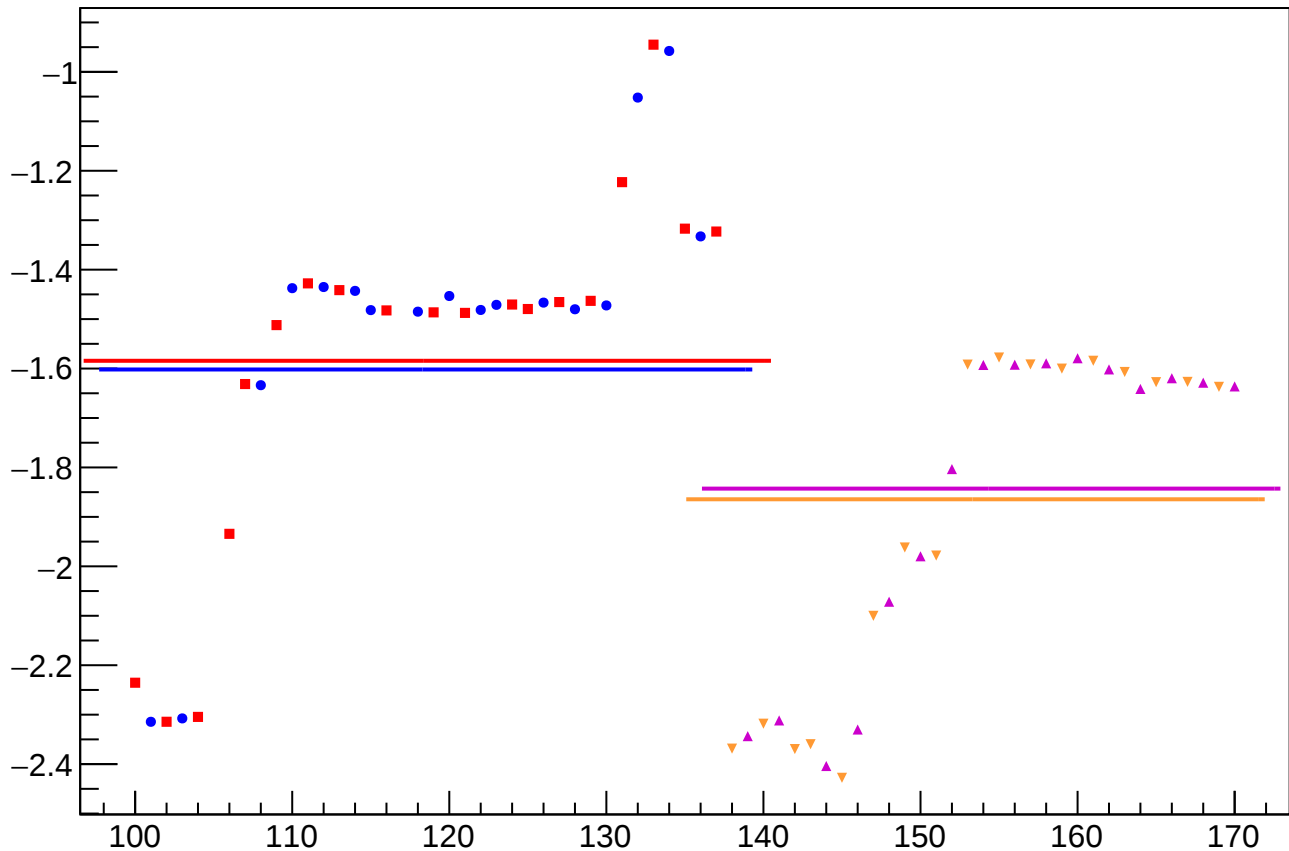
Left In: 0.007+/-0.000 χ^2/NDF :90304.1/15

+ sign 0.007+/-0.000 χ^2/NDF : 243422.7/33

All: 0.007+/-0.000 χ^2/NDF : 500491.9/68

- sign 0.007+/-0.000 χ^2/NDF : 253325.8/34

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -1.864+/-0.000 χ^2/NDF : 161512197378.0/16

Right Out: -1.584+/-0.000 χ^2/NDF : 143578606614.3/18

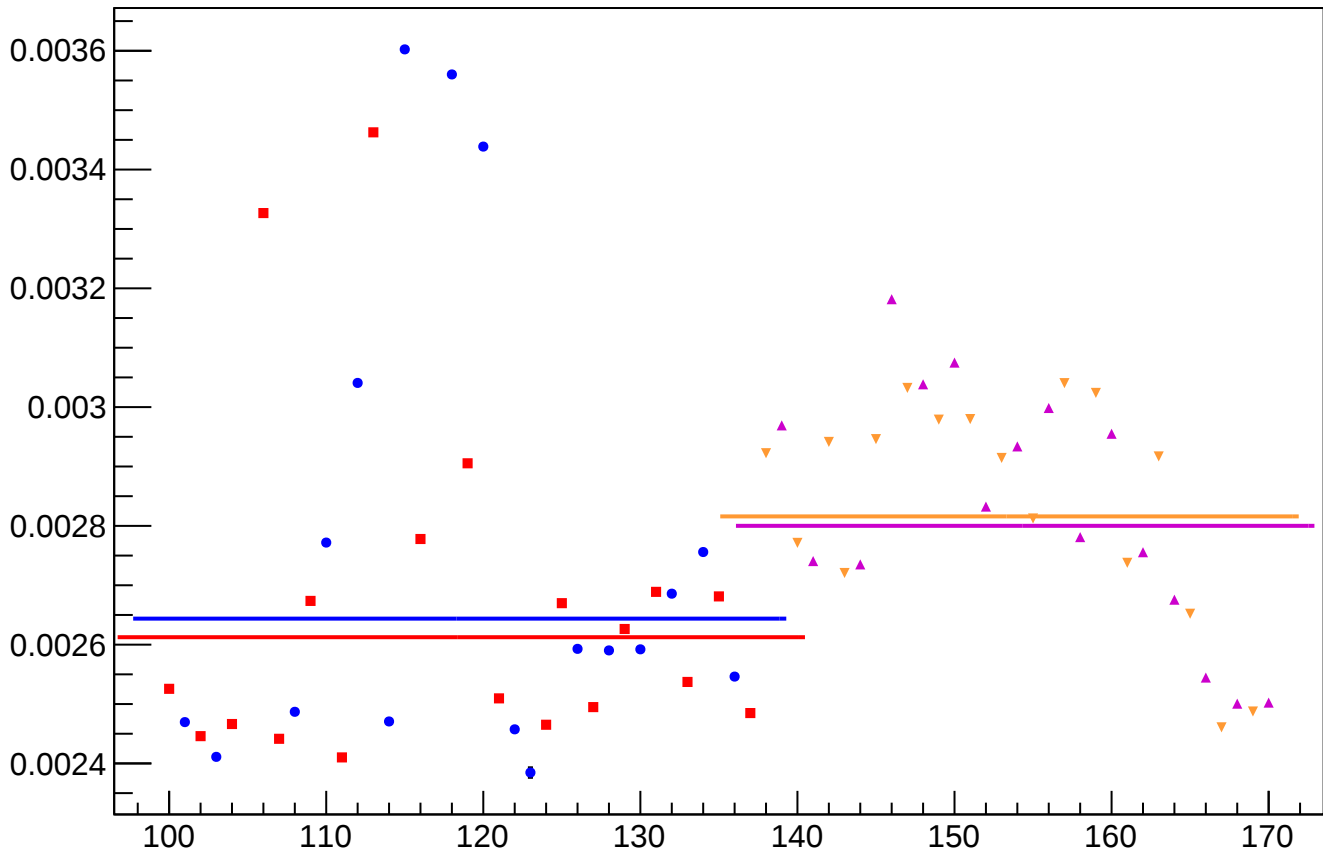
Left In: -1.843+/-0.000 χ^2/NDF : 146686004682.4/15

+ sign -1.766+/-0.000 χ^2/NDF : 340441030812.0/33

All: -1.753+/-0.000 χ^2/NDF : 671155023246.5

- sign -1.741+/-0.000 χ^2/NDF : 329962072358.4/34

yield_bpm0l06Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 151383.5/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:107606.9/16

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 105296.2/18

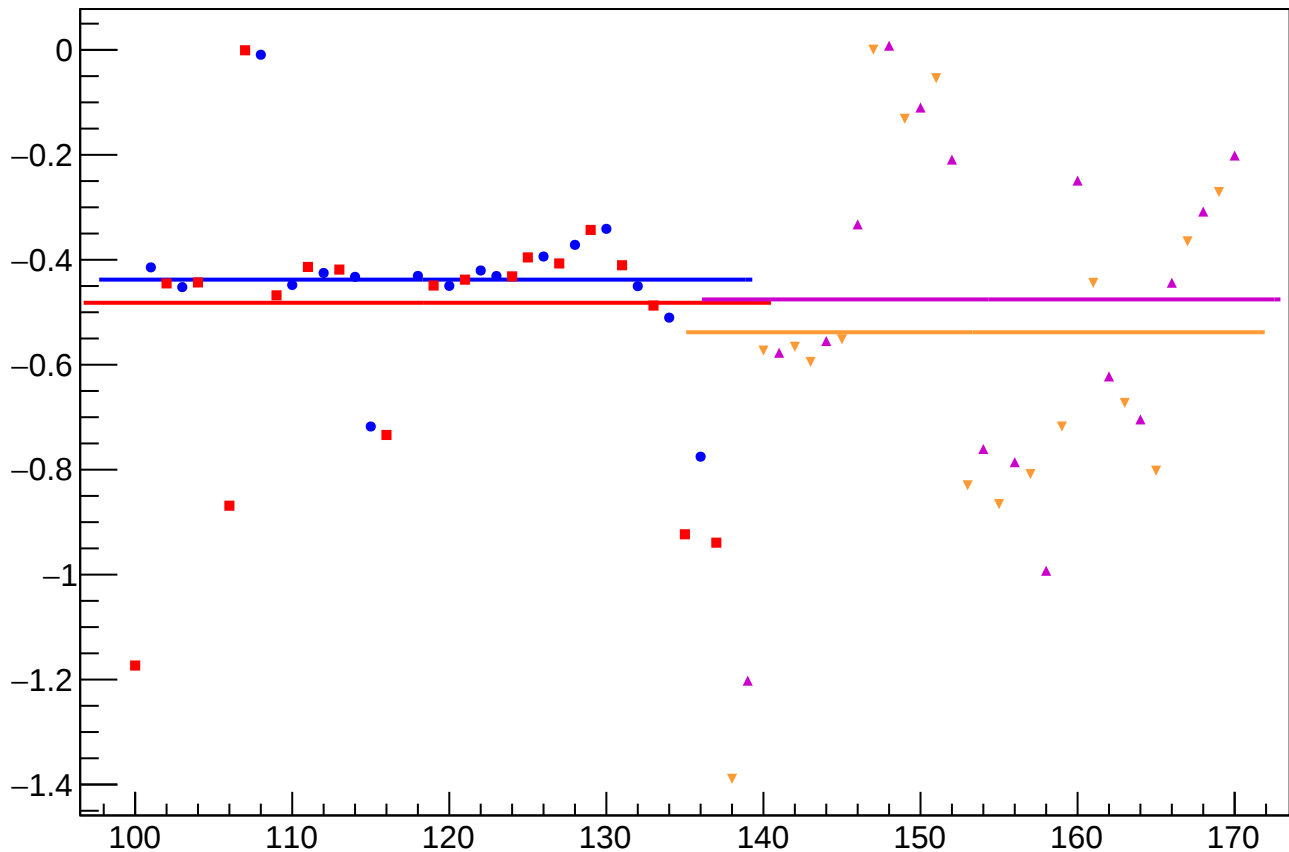
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:122226.0/15

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 292295.1/33

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 563135.2/68

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 269304.3/34

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.538+/-0.000 χ^2/NDF : 8416728062.5/16

Right Out: -0.482+/-0.000 χ^2/NDF : 2694625740.7/18

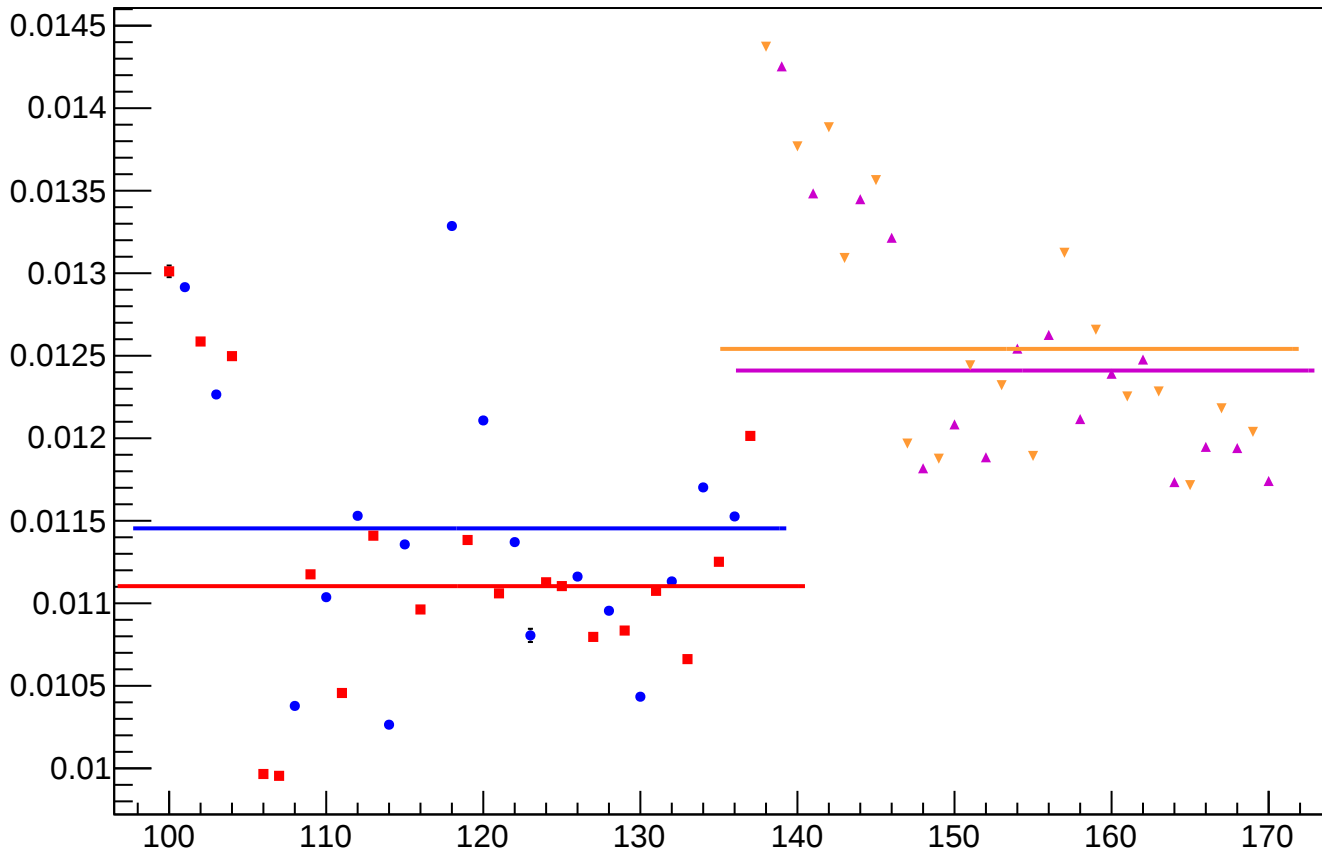
Left In: -0.476+/-0.000 χ^2/NDF : 7785569470.1/15

+ sign -0.499+/-0.000 χ^2/NDF : 10180655790.0/33

All: -0.488+/-0.000 χ^2/NDF : 20689391700.5/33

- sign -0.478+/-0.000 χ^2/NDF : 10481520217.1/34

yield_bpm0l07X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 64687.8/16

Left Out: 0.013+/-0.000 χ^2/NDF : 78772.1/16

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

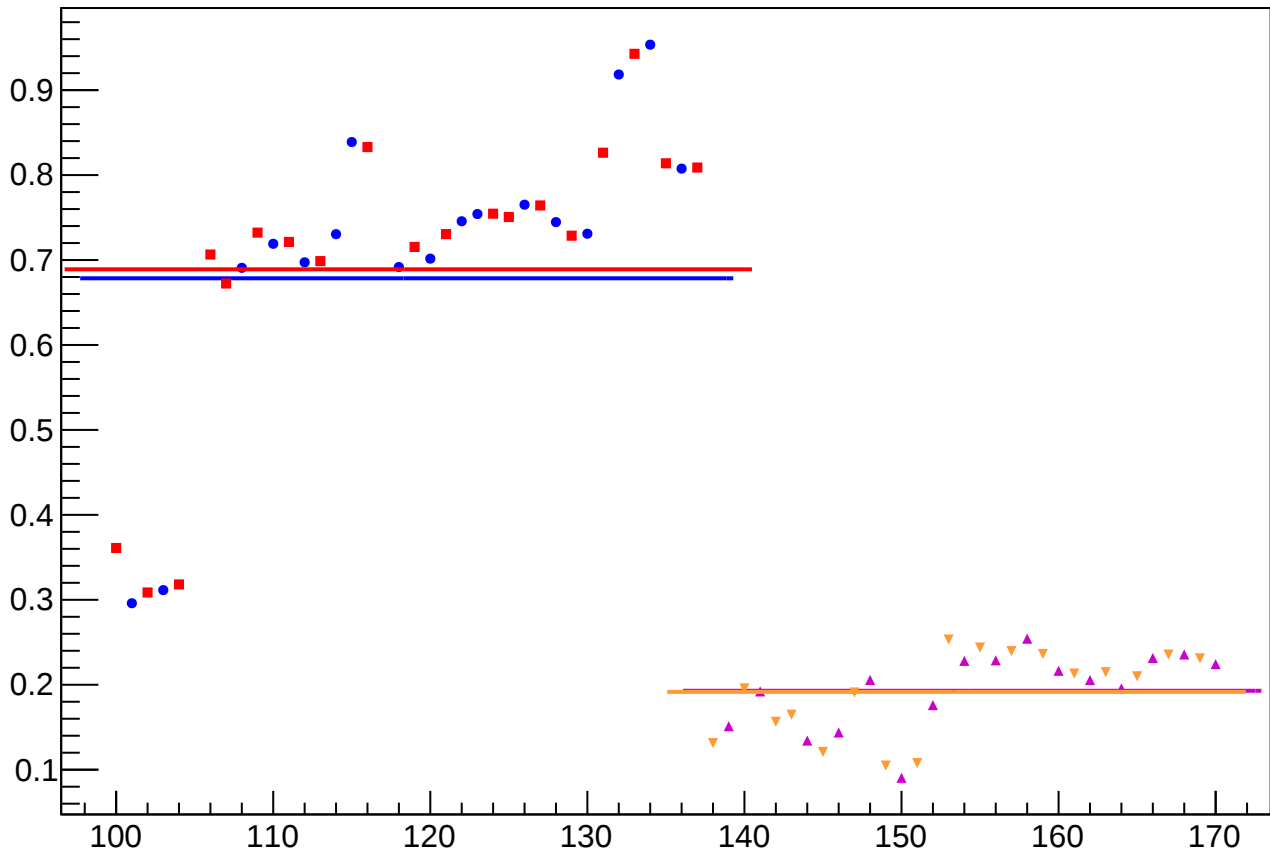
Left In: 0.012+/-0.000 χ^2/NDF : 69829.8/15

+ sign 0.012+/-0.000 χ^2/NDF : 214340.4/33

All: 0.012+/-0.000 χ^2/NDF : 459741.2/68

- sign 0.012+/-0.000 χ^2/NDF : 236972.1/34

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2/NDF : 38506442638.3/16

Left Out: 0.192 $\pm$ 0.000 χ^2/NDF : 6244105495.5/16

Right Out: 0.689 $\pm$ 0.000 χ^2/NDF : 35358596931.1/18

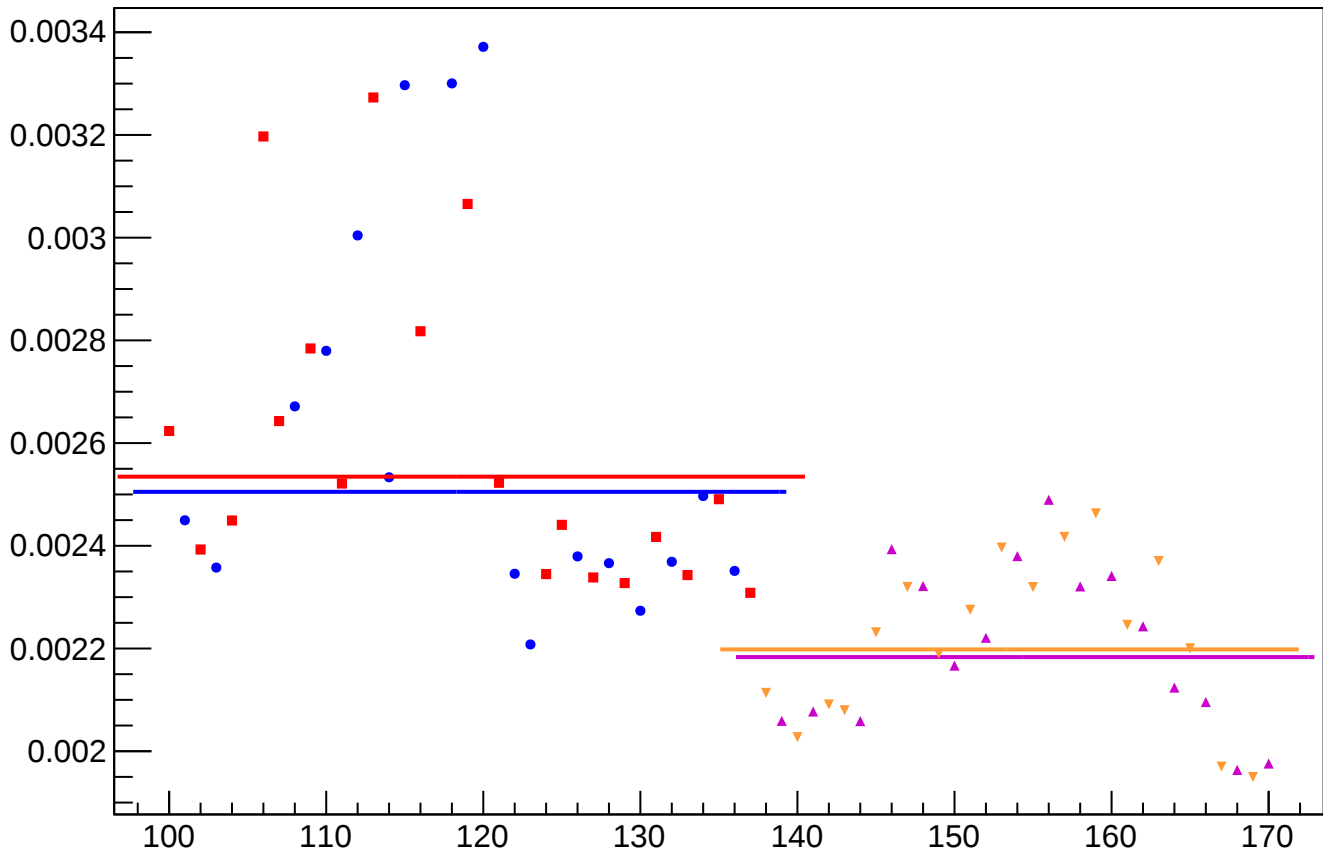
Left In: 0.193 $\pm$ 0.000 χ^2/NDF : 5095897407.0/15

+ sign 0.329 $\pm$ 0.000 χ^2/NDF : 217416322350.2/33

All: 0.332 $\pm$ 0.000 χ^2/NDF : 440797877082.7

- sign 0.336 $\pm$ 0.000 χ^2/NDF : 223302662220.7/34

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 175524.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:127908.3/16

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 131609.0/18

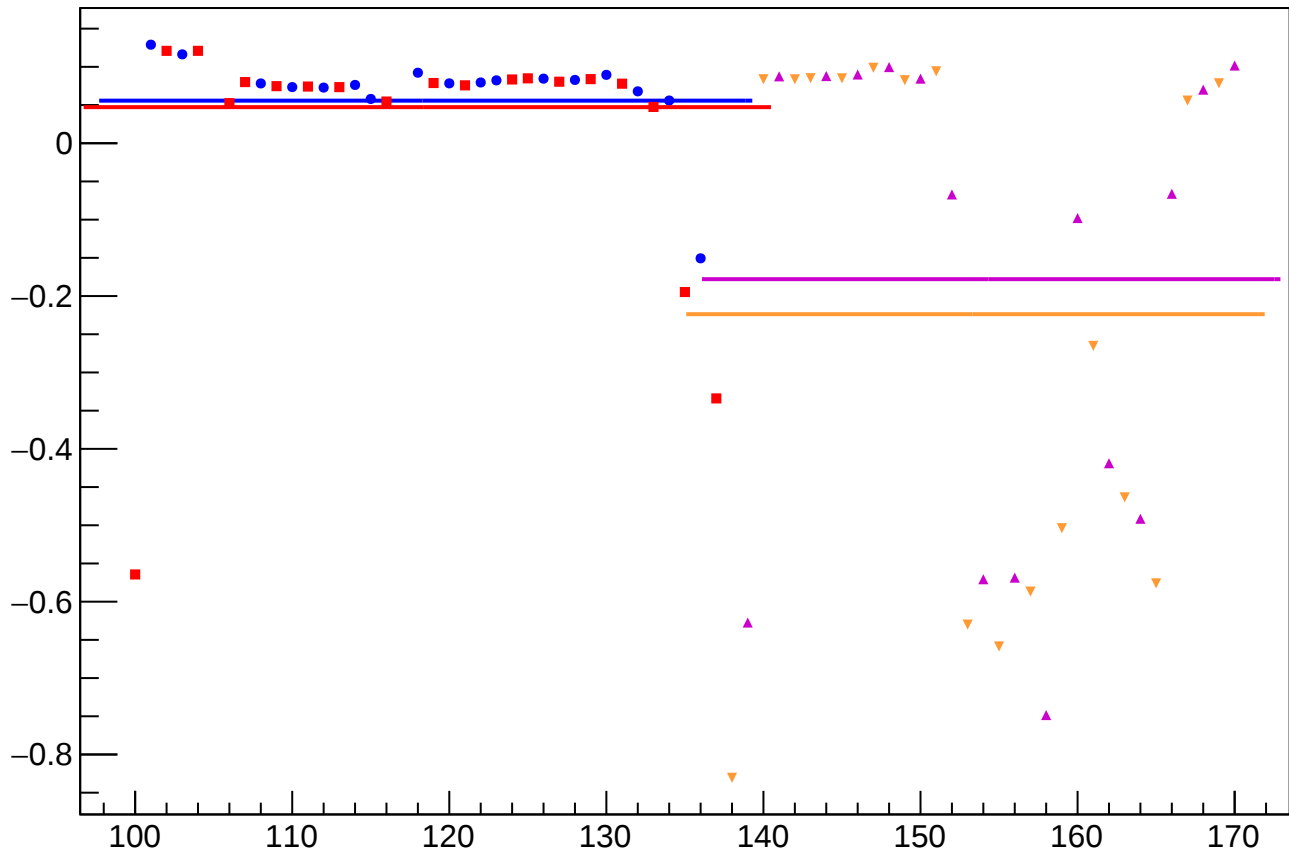
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:123920.0/15

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 440592.3/33

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 879448.7/68

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 438855.6/34

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.224+/-0.000 χ^2/NDF : 10430116879.3/16

Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

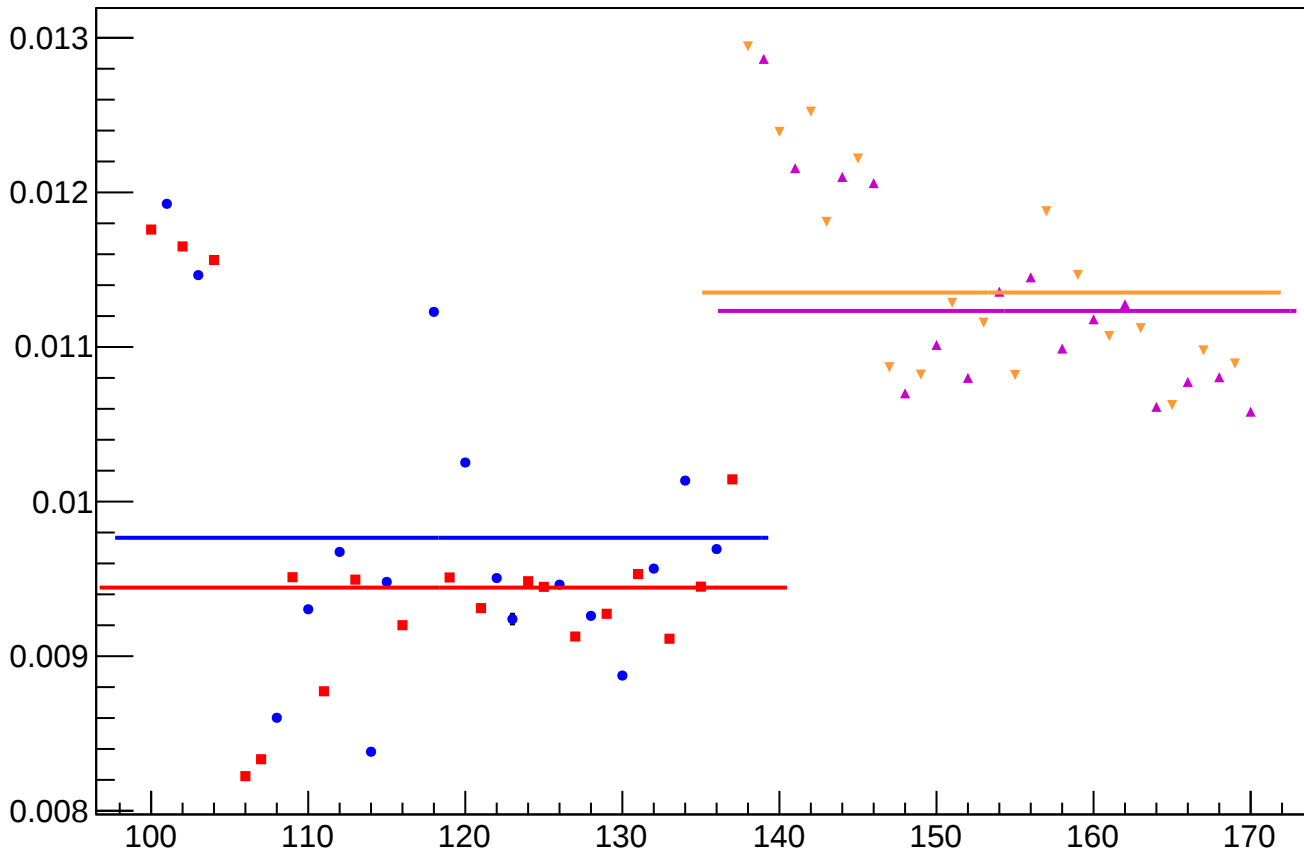
Left In: -0.178+/-0.000 χ^2/NDF : 8918071569.5/15

+ sign -0.106+/-0.000 χ^2/NDF : 13912820923.3/33

All: -0.091+/-0.000 χ^2/NDF : 25879600530.4/34

- sign -0.076+/-0.000 χ^2/NDF : 11891407067.6/34

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 116638.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 72059.3/16

Right Out: 0.009+/-0.000 χ^2/NDF : 110693.8/18

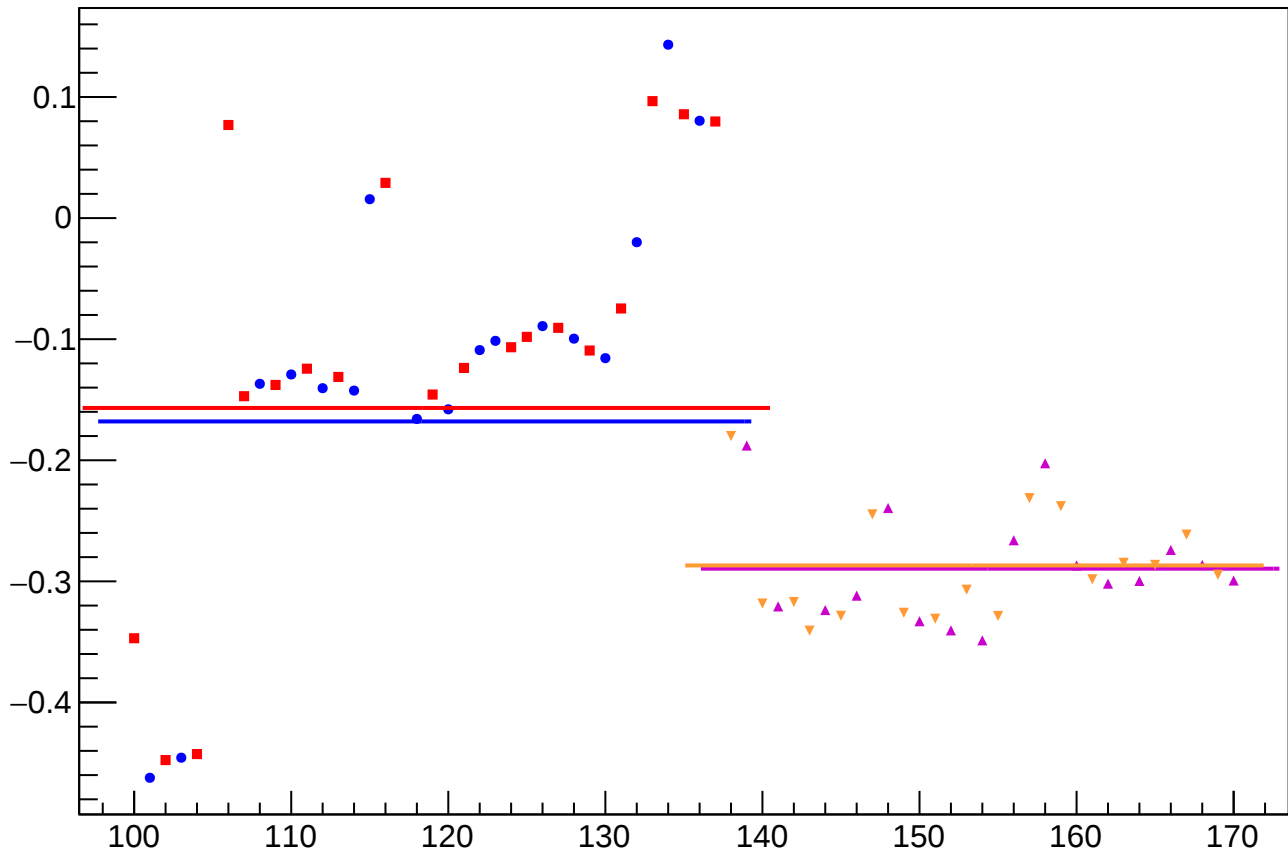
Left In: 0.011+/-0.000 χ^2/NDF : 68357.4/15

+ sign 0.011+/-0.000 χ^2/NDF : 385878.1/33

All: 0.011+/-0.000 χ^2/NDF : 848342.6/68

- sign 0.010+/-0.000 χ^2/NDF : 451188.4/34

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.287+/-0.000 χ^2/NDF : 2775167252.2/16

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

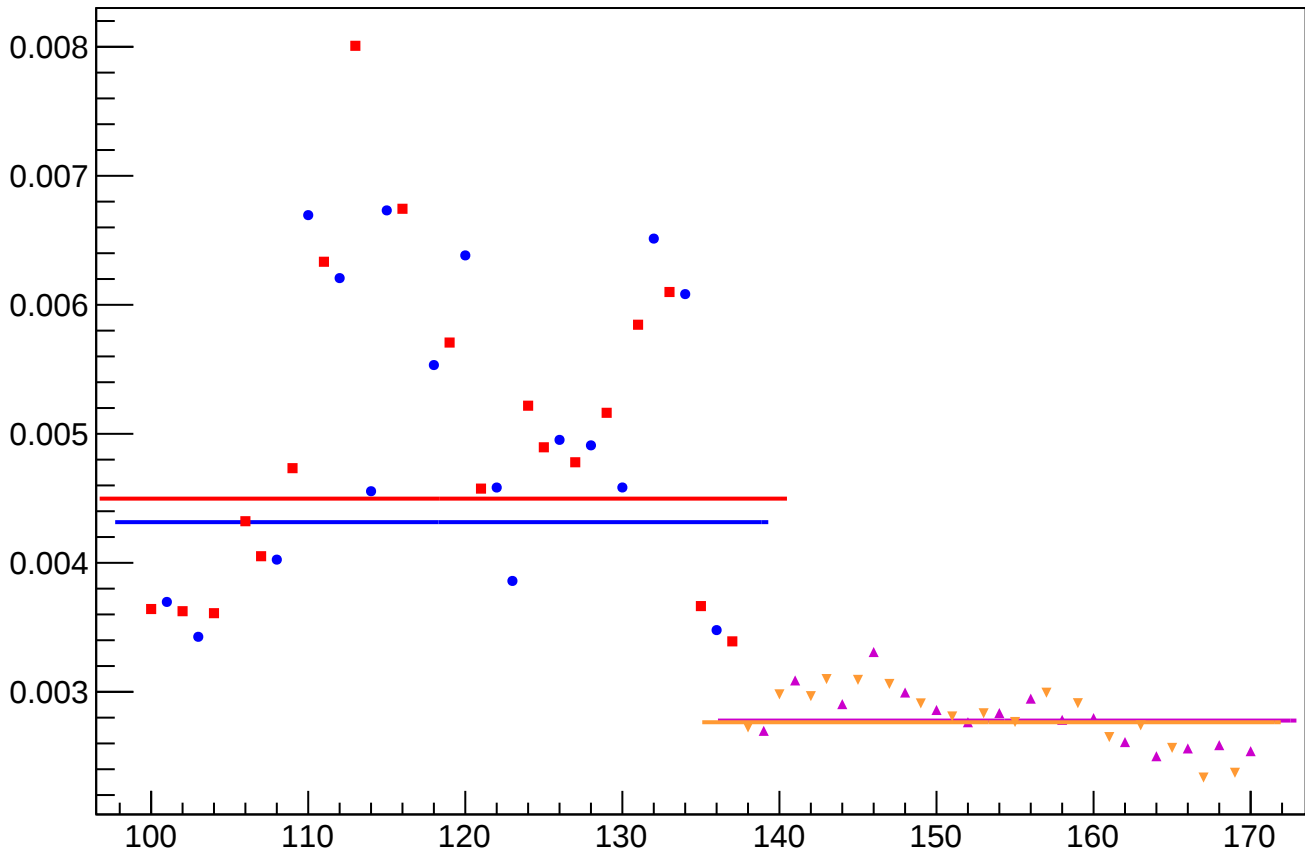
Left In: -0.290+/-0.000 χ^2/NDF : 3093567557.8/15

+ sign -0.267+/-0.000 χ^2/NDF : 18789628218.4/33

All: -0.267+/-0.000 χ^2/NDF : 37425745838.2/33

- sign -0.267+/-0.000 χ^2/NDF : 18636070689.8/34

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 619744.7/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:178272.9/16

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 649708.4/18

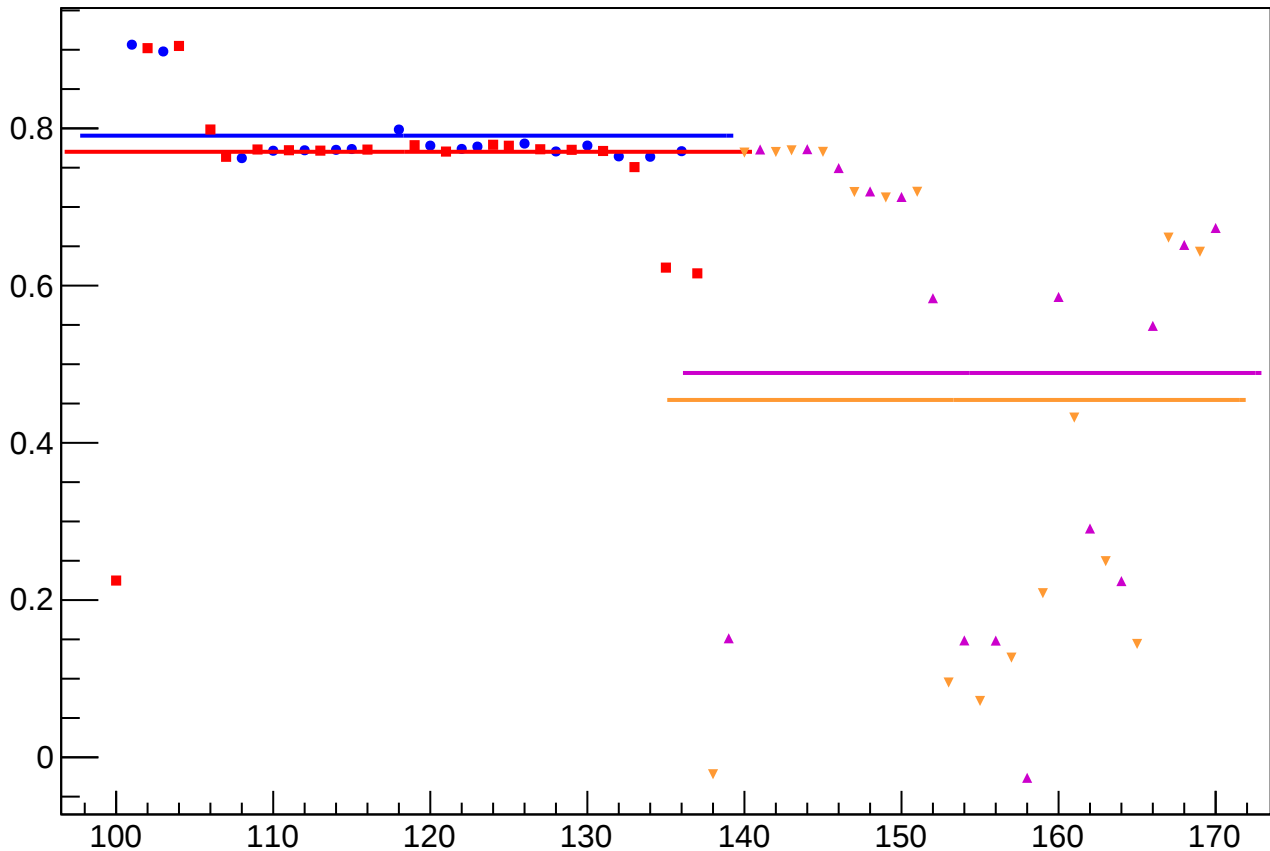
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:121717.6/15

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2050577.2/33

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4342649.8/68

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2288633.6/34

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.455 $\pm$ 0.000 χ^2 /NDF: 8242788706.3/16

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375442189.7/18

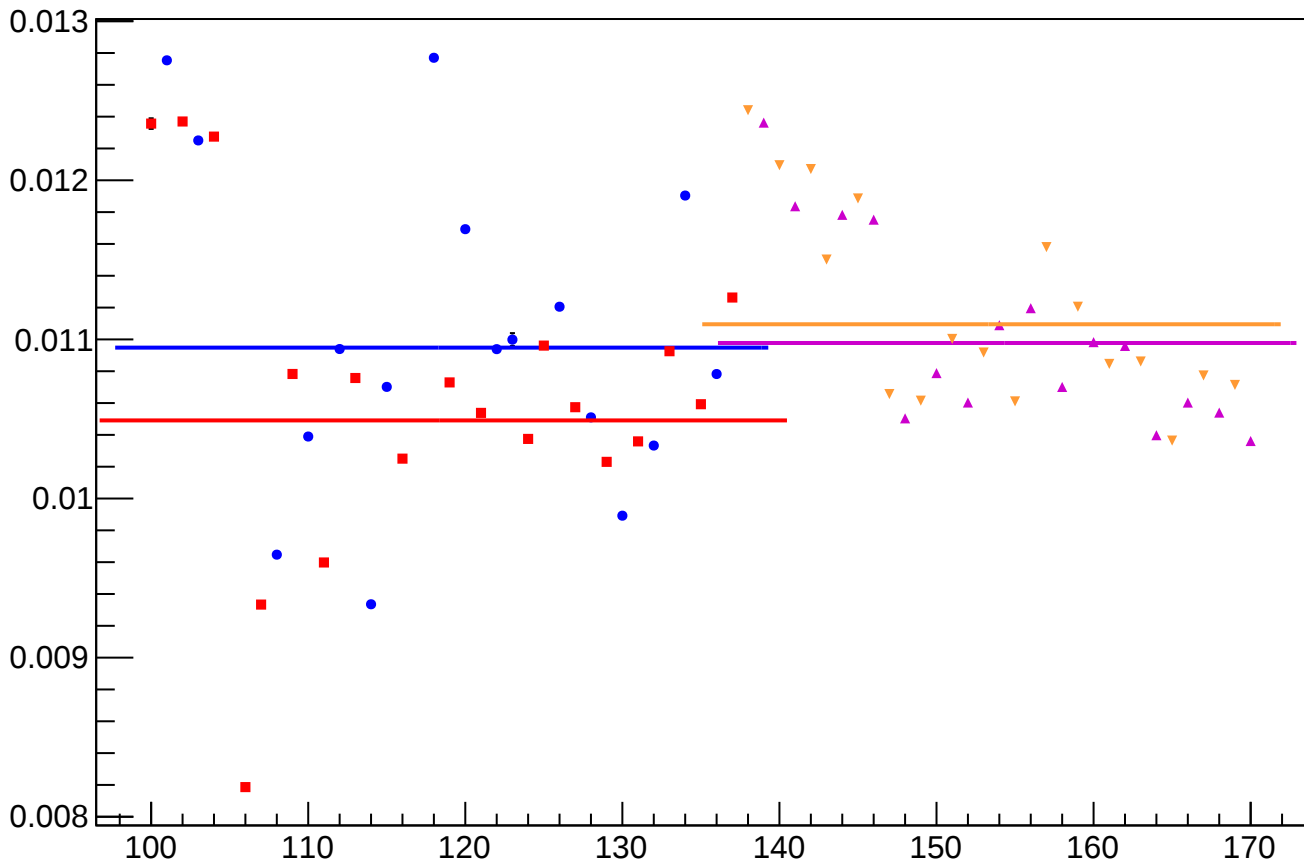
Left In: 0.489 $\pm$ 0.000 χ^2 /NDF: 7053628101.7/15

+ sign 0.573 $\pm$ 0.000 χ^2 /NDF: 12277630851.1/33

All: 0.586 $\pm$ 0.000 χ^2 /NDF: 22794591466.6/6

- sign 0.598 $\pm$ 0.000 χ^2 /NDF: 10470107914.3/34

yield_bpm0l09X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 98551.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 61854.7/16

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 119420.8/18

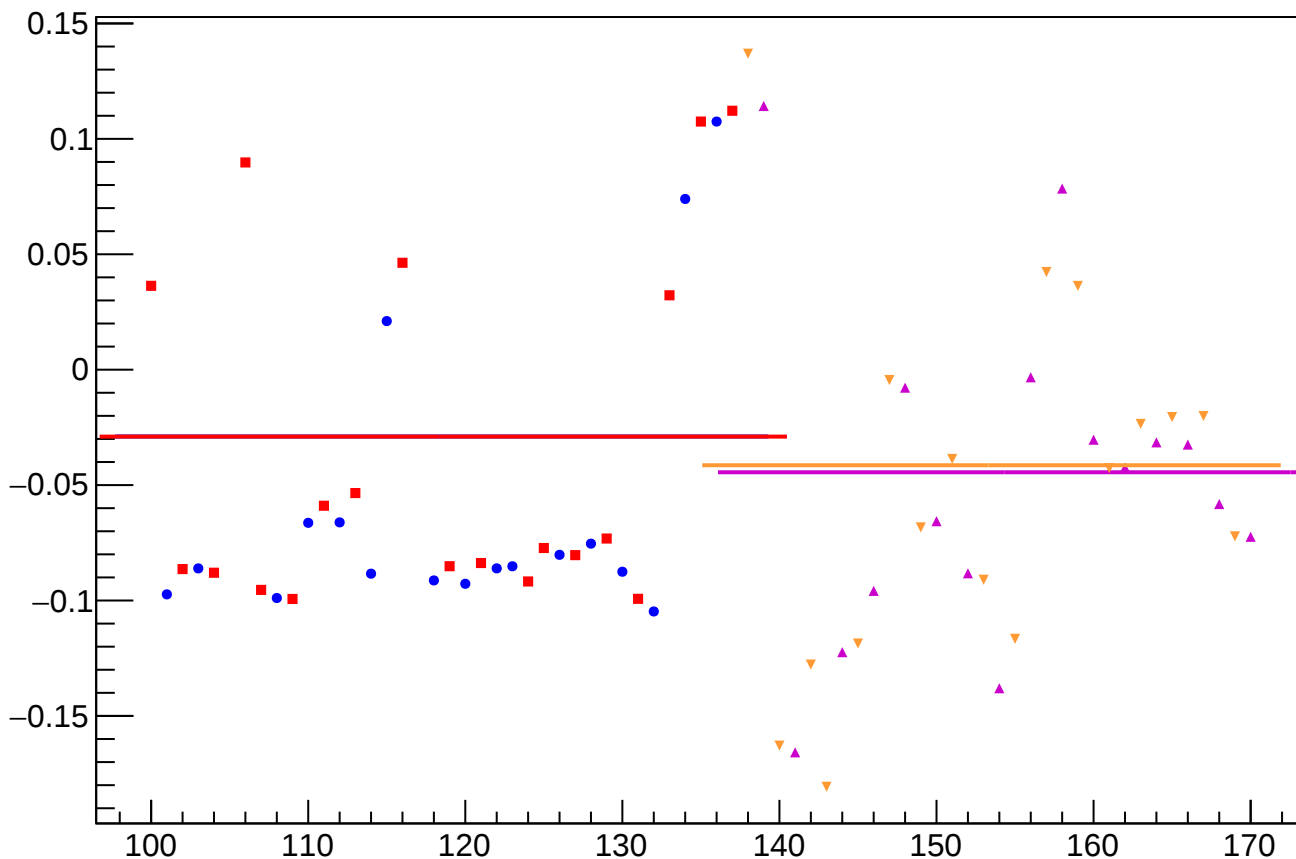
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 59779.6/15

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 161905.4/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 369439.1/68

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 197393.8/34

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.041+/-0.000 χ^2/NDF : 6855740422.2/16

Right Out: -0.029+/-0.000 χ^2/NDF : 2113349669.8/18

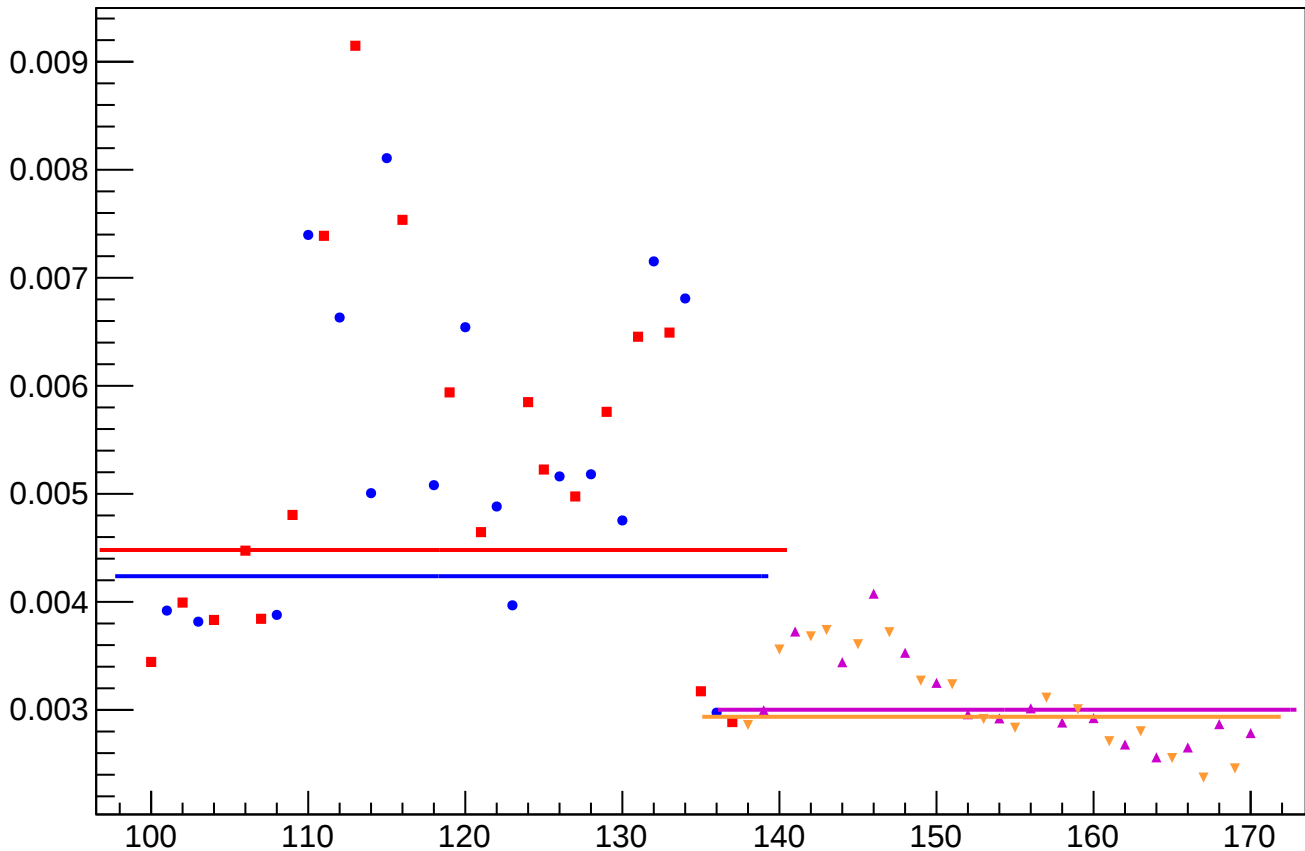
Left In: -0.044+/-0.000 χ^2/NDF : 5948444684.8/15

+ sign -0.039+/-0.000 χ^2/NDF : 9340284709.8/33

All: -0.040+/-0.000 χ^2/NDF : 17463632163.4/34

- sign -0.042+/-0.000 χ^2/NDF : 8118406501.5/34

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 881584.1/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 459681.4/16

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 984186.1/18

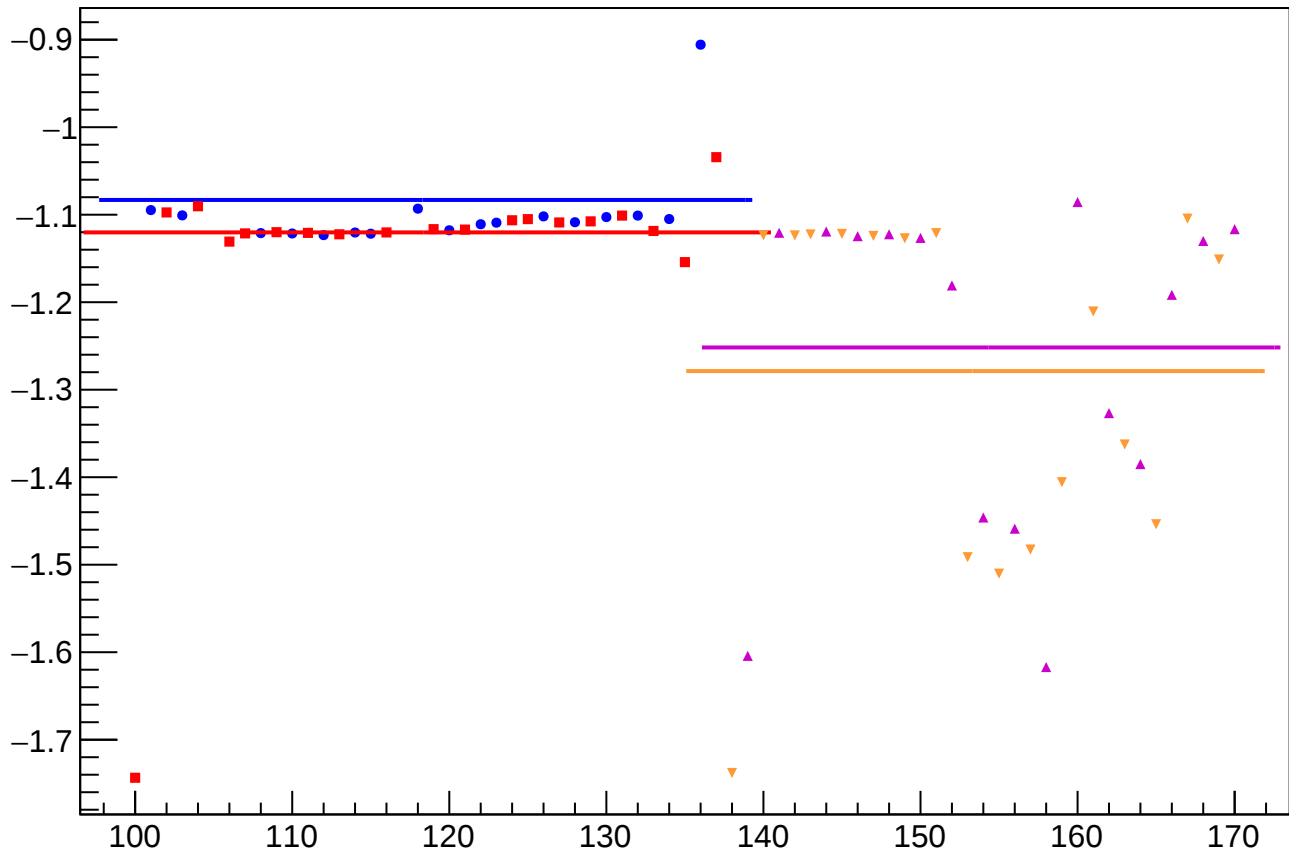
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 308884.1/15

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2183326.6/33

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4529766.7/68

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2330322.1/34

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.279+/-0.000 χ^2/NDF : 4186279776.5/16

Right Out: -1.120+/-0.000 χ^2/NDF : 220571280.7/18

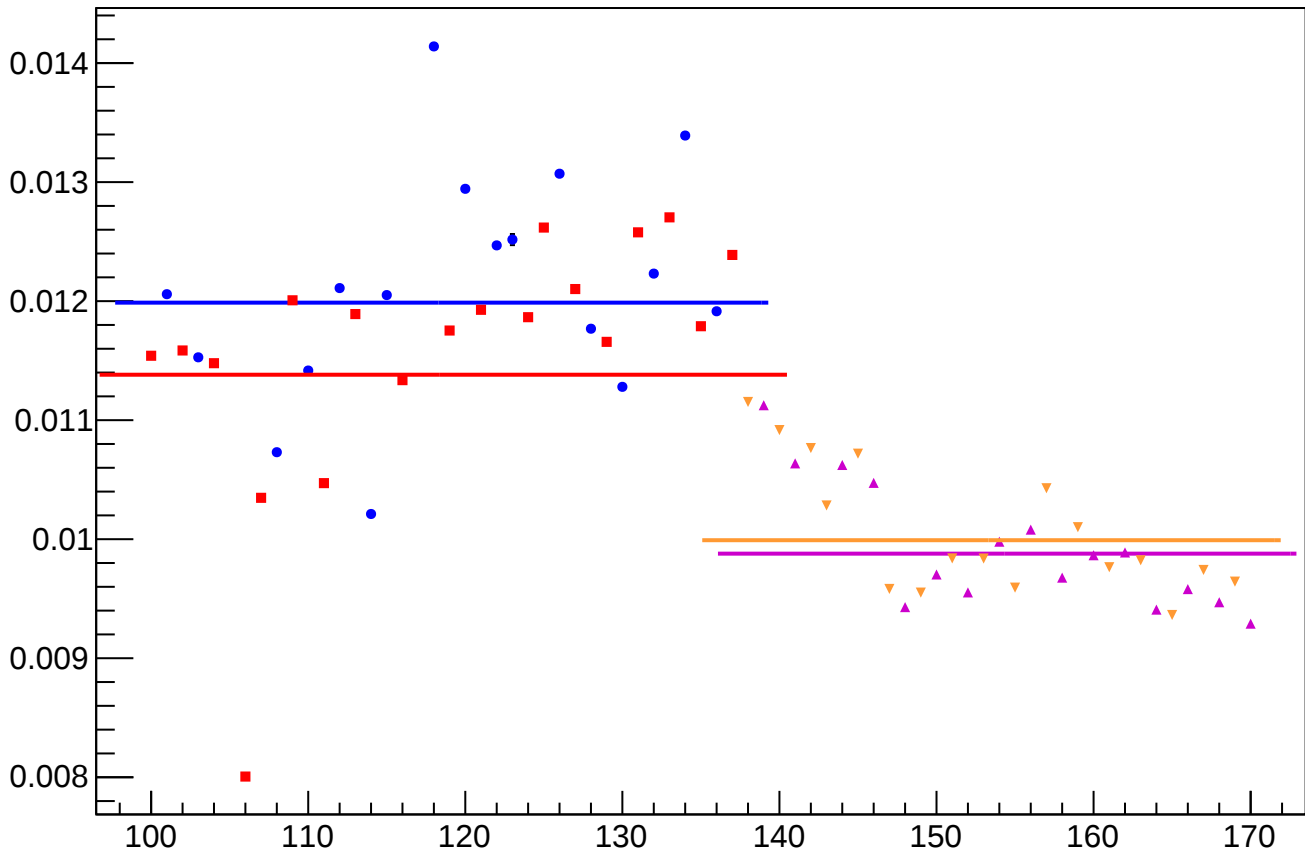
Left In: -1.252+/-0.000 χ^2/NDF : 3824513487.3/15

+ sign -1.226+/-0.000 χ^2/NDF : 5641808935.6/33

All: -1.219+/-0.000 χ^2/NDF : 10342707919.6/34

- sign -1.212+/-0.000 χ^2/NDF : 4684349071.4/34

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 60402.0/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 59188.4/16

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

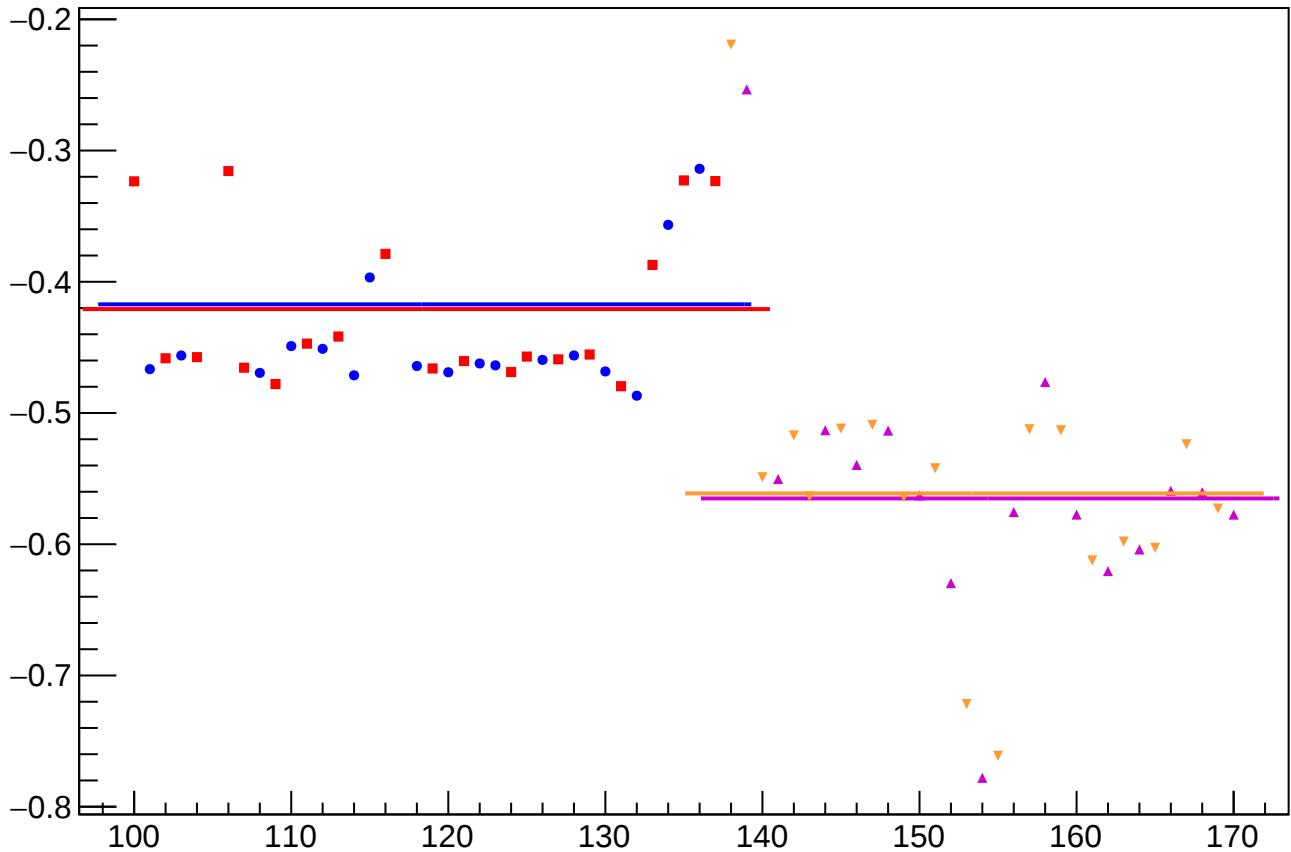
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 58406.1/15

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 380550.6/33

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 767284.1/68

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 380034.4/34

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.561+/-0.000 χ^2/NDF : 13250144968.7/16

Right Out: -0.421+/-0.000 χ^2/NDF : 1646463410.7/18

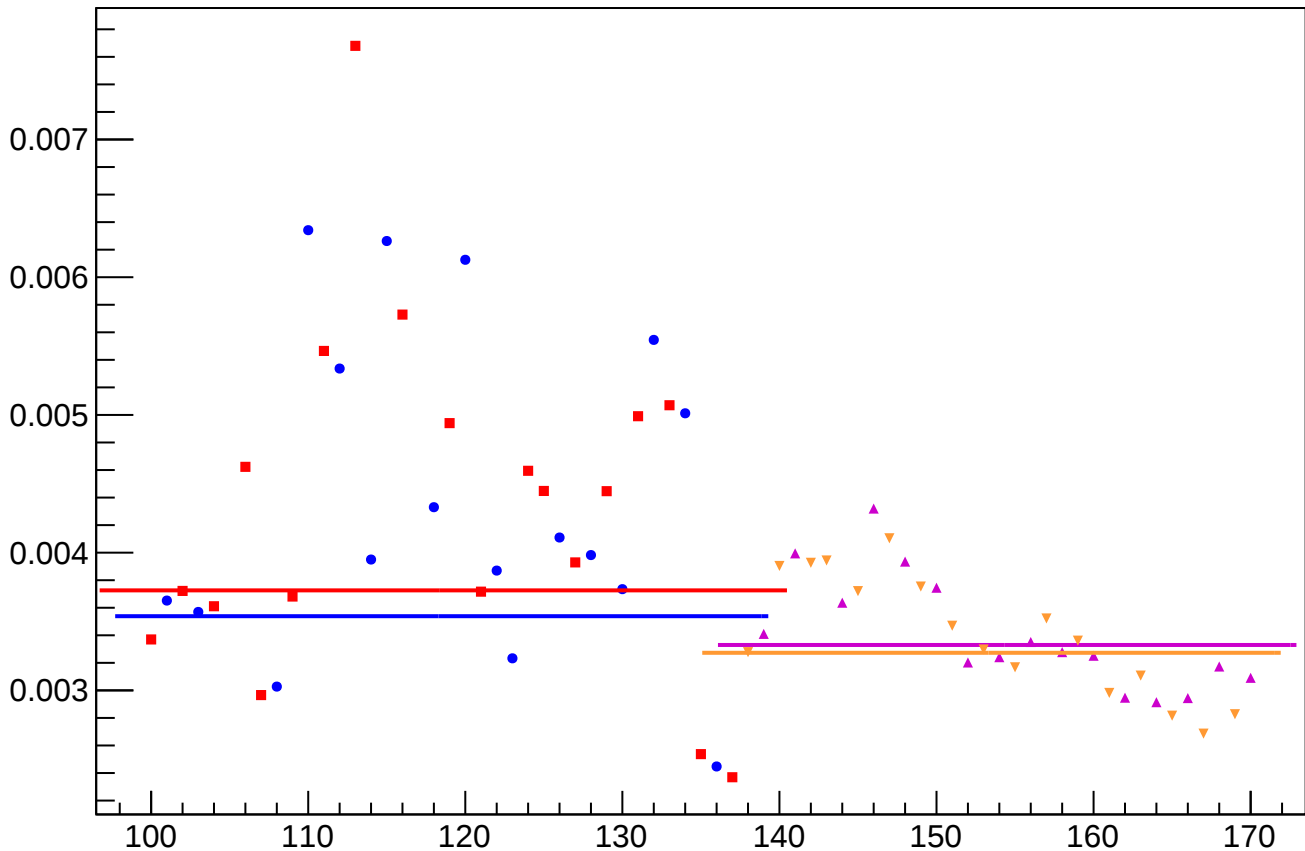
Left In: -0.565+/-0.000 χ^2/NDF : 10421458859.0/15

+ sign -0.520+/-0.000 χ^2/NDF : 21734246680.3/33

All: -0.522+/-0.000 χ^2/NDF : 40058667348.8/34

- sign -0.523+/-0.000 χ^2/NDF : 18316447619.8/34

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 836154.0/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 369806.3/16

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 898447.6/18

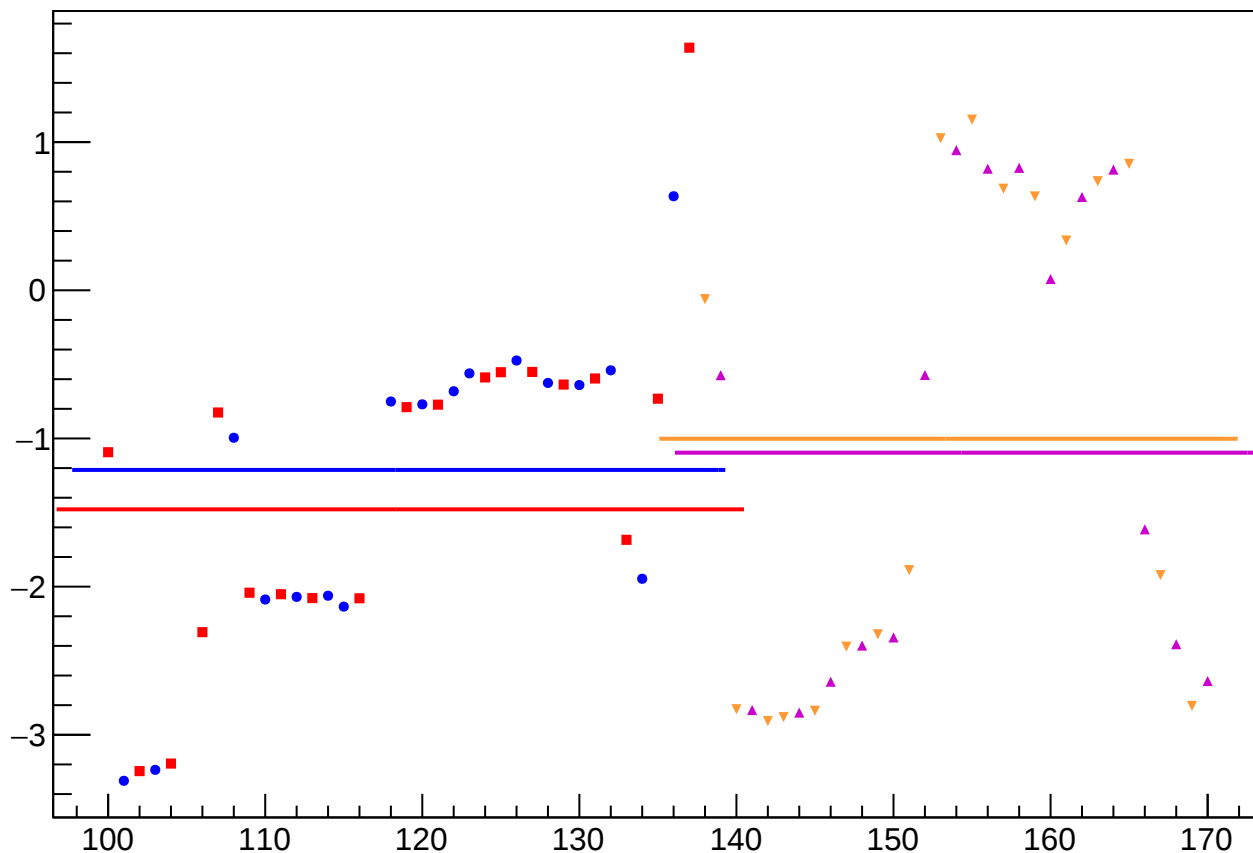
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 261710.3/15

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1249819.9/33

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2517921.5/68

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1254508.9/34

yield_bpm0r03X_mean vs Slug



Right In: -1.212 $\pm$ 0.000 χ^2 /NDF: 1992853443.9/16

Left Out: -1.002 $\pm$ 0.000 χ^2 /NDF: 5801021096.9/16

Right Out: -1.478 $\pm$ 0.000 χ^2 /NDF: 1578264383.8/18

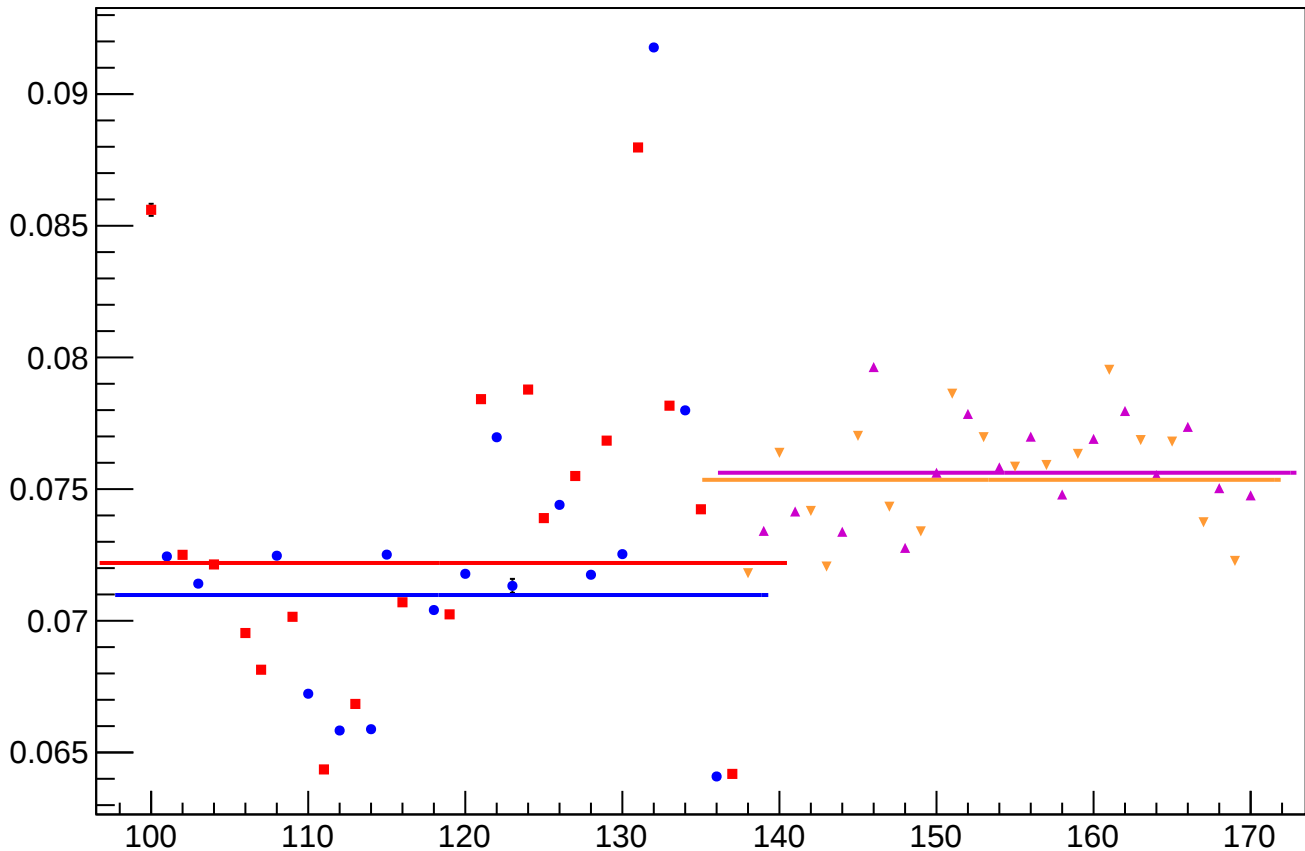
Left In: -1.096 $\pm$ 0.000 χ^2 /NDF: 4917540264.4/15

+ sign -1.080 $\pm$ 0.000 χ^2 /NDF: 7830149641.4/33

All: -1.161 $\pm$ 0.000 χ^2 /NDF: 14492215815.8/34

- sign -1.243 $\pm$ 0.000 χ^2 /NDF: 6615943781.1/34

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.075+/-0.000 χ^2/NDF : 21600.9/16

Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

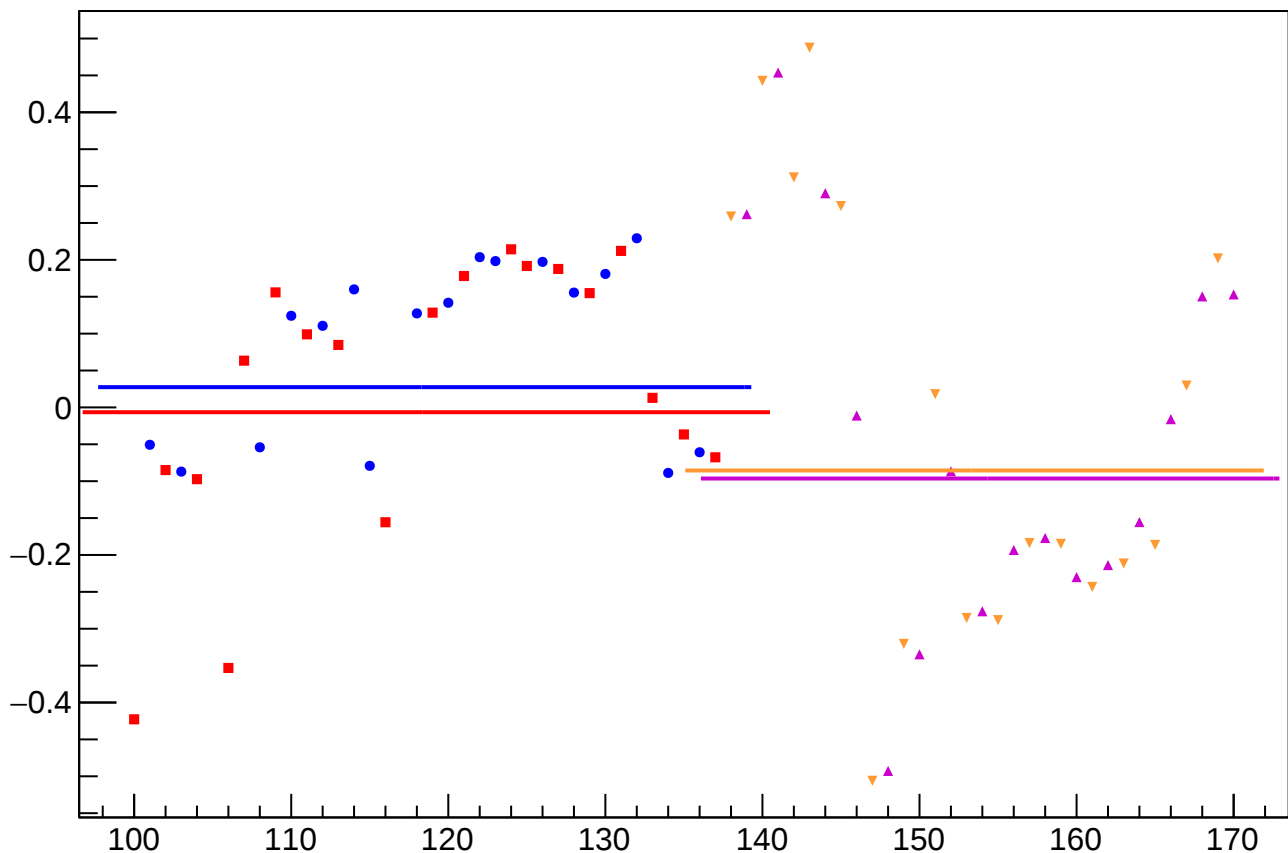
Left In: 0.076+/-0.000 χ^2/NDF : 14300.7/15

+ sign 0.074+/-0.000 χ^2/NDF : 130502.0/33

All: 0.074+/-0.000 χ^2/NDF : 238508.6/68

- sign 0.074+/-0.000 χ^2/NDF : 106825.2/34

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.085+/-0.000 χ^2/NDF : 16424090673.9/16

+ sign -0.070+/-0.000 χ^2/NDF : 17470496268.8/33

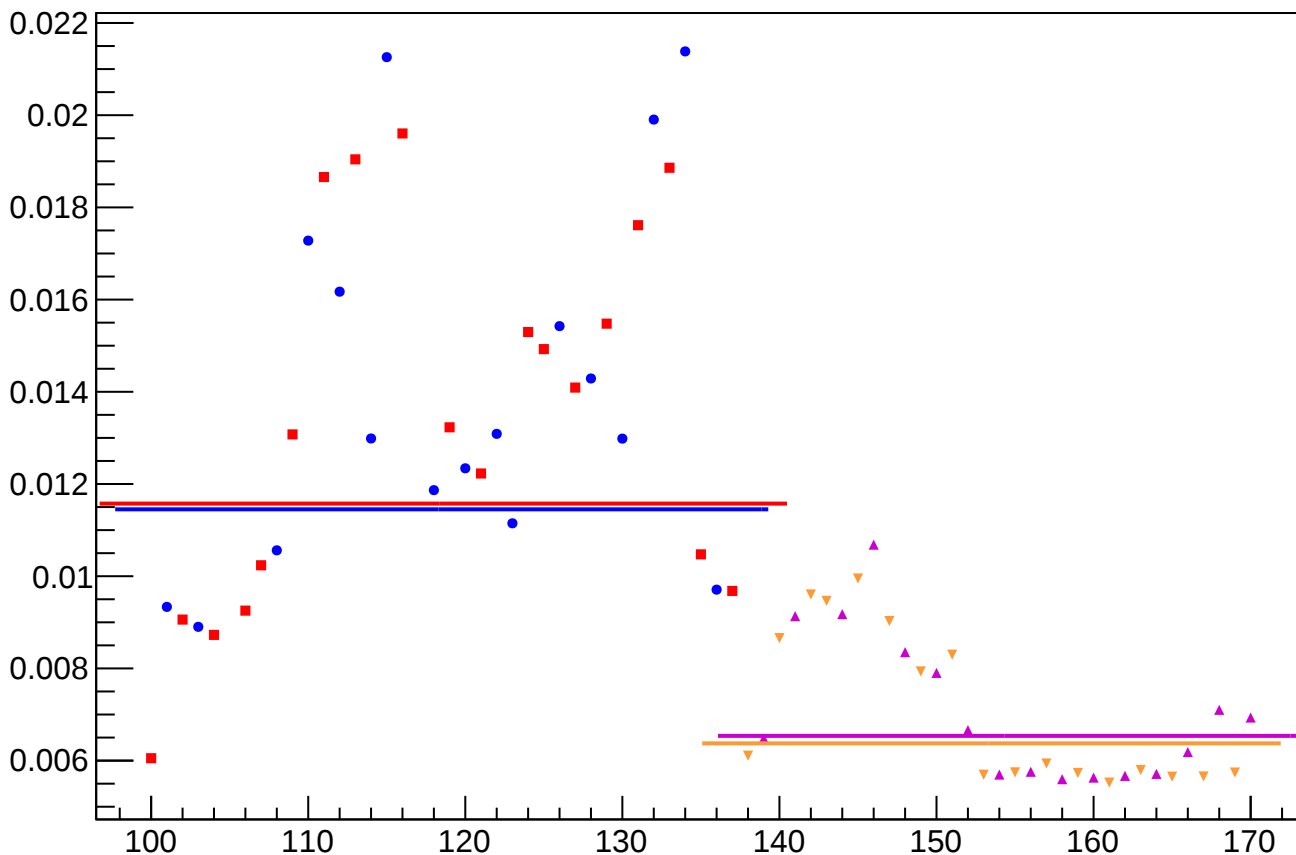
Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

All: -0.077+/-0.000 χ^2/NDF : 31567350852.7/33

Left In: -0.096+/-0.000 χ^2/NDF : 12563347903.0/15

- sign -0.084+/-0.000 χ^2/NDF : 14069180009.7/34

yield_bpm0r03Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 679628.0/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 926010.1/16

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 997161.1/18

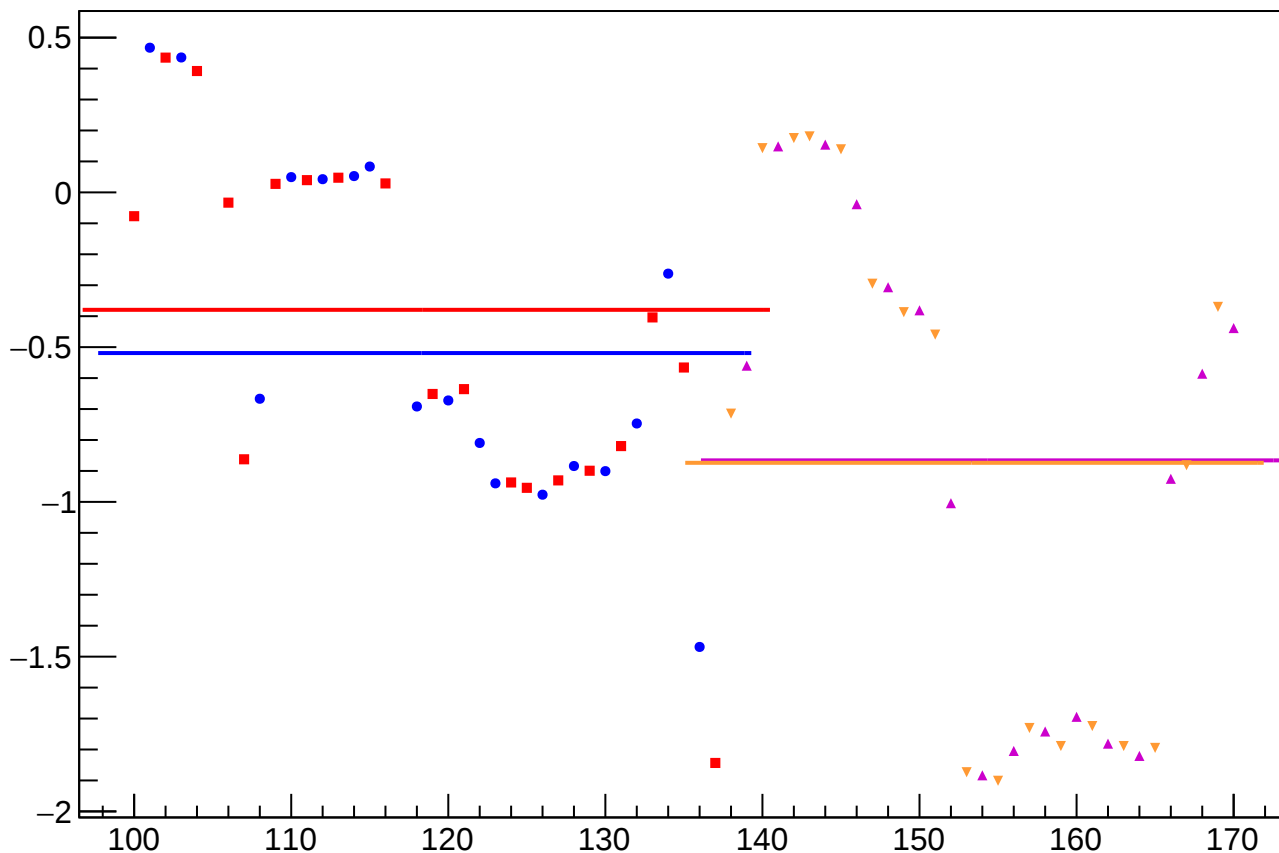
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 796970.1/15

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3561455.6/33

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7294941.6/68

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3720469.4/34

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.874 ± 0.000 χ^2/NDF : 1038641217.1/16

Right Out: -0.379 ± 0.000 χ^2/NDF : 268621179.0/18

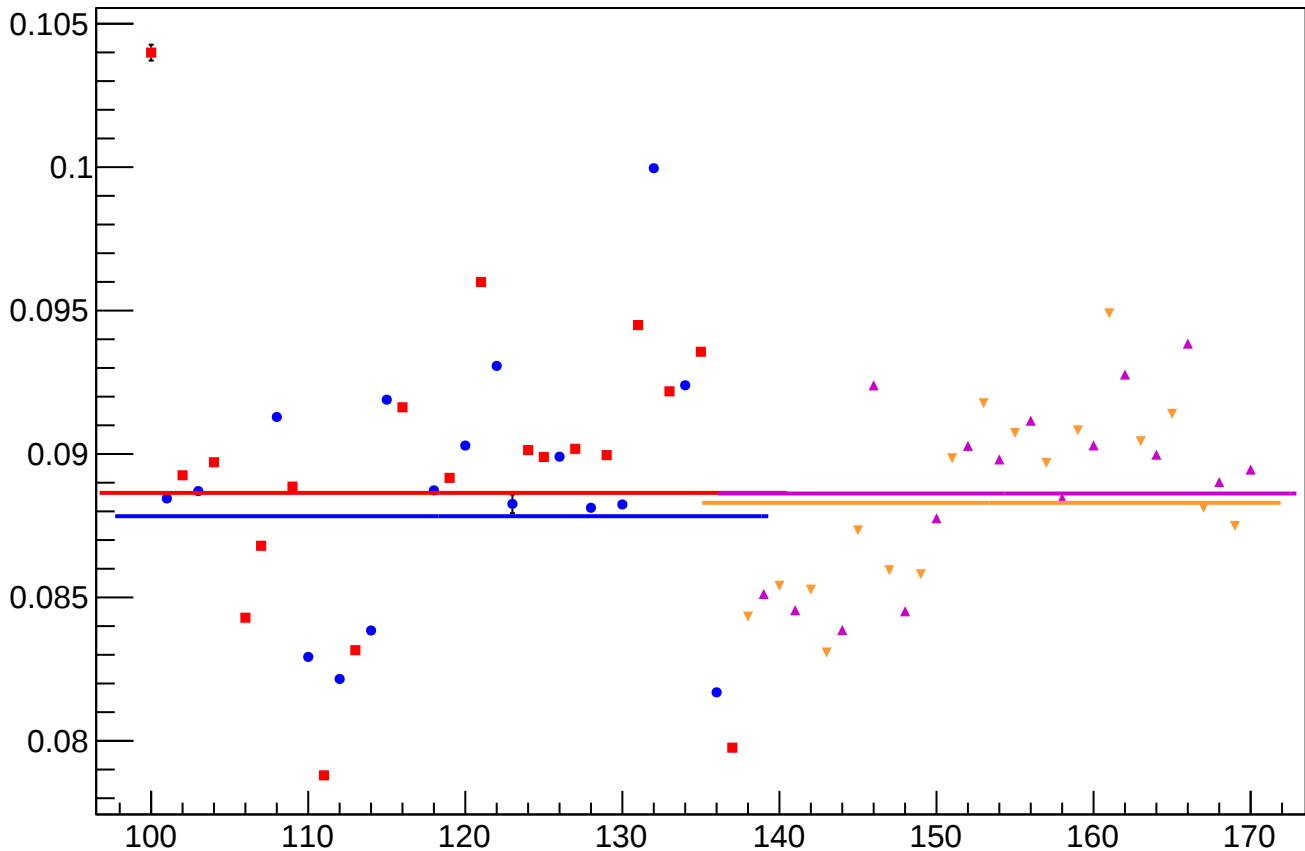
Left In: -0.866 ± 0.000 χ^2/NDF : 885421284.6/15

+ sign -0.750 ± 0.000 χ^2/NDF : 1448956881.3/33

All: -0.719 ± 0.000 χ^2/NDF : 2743427682.9/6

- sign -0.689 ± 0.000 χ^2/NDF : 1289814058.2/34

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34954.4/16

Left Out: 0.088 $\pm$ 0.000 χ^2 /NDF:29515.4/16

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 39722.9/18

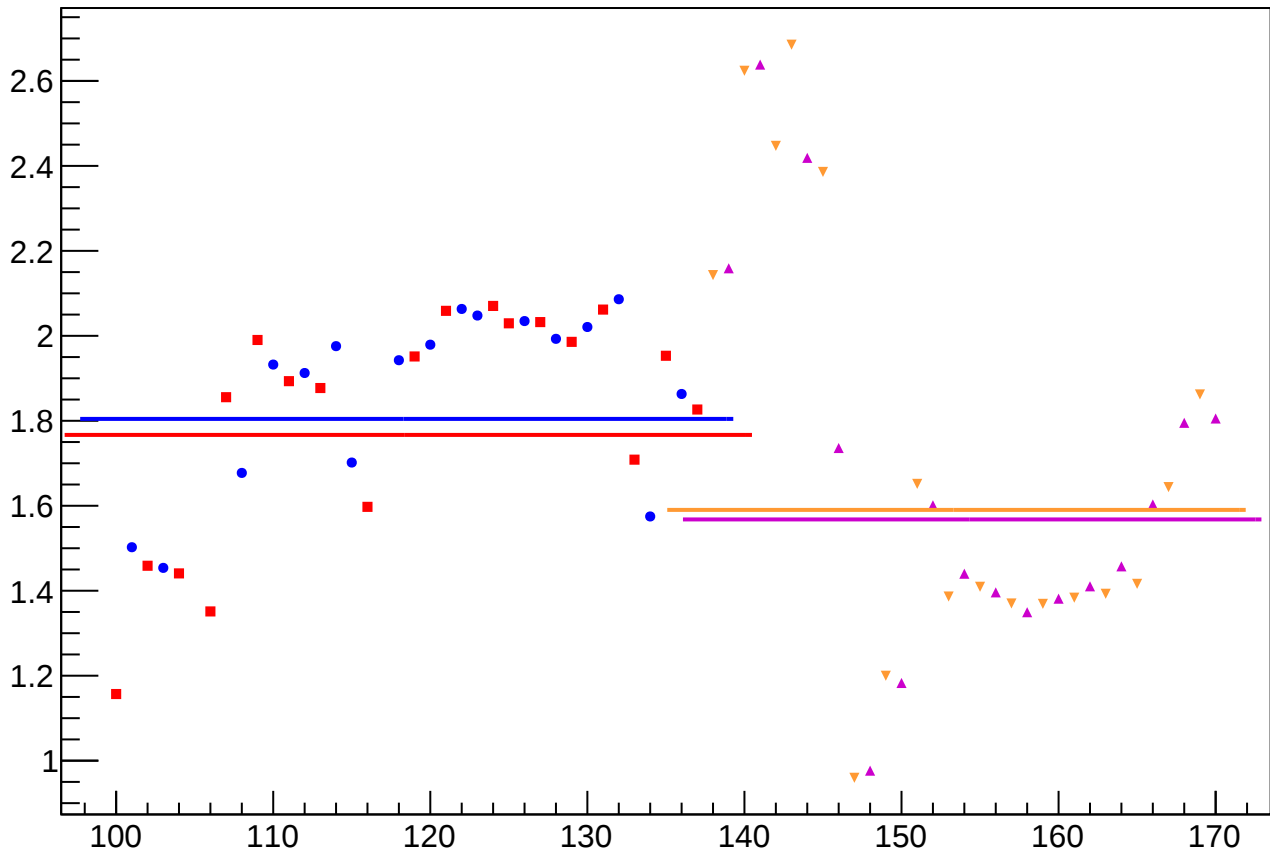
Left In: 0.089 $\pm$ 0.000 χ^2 /NDF:27699.8/15

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 64715.0/33

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 132749.0/68

- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 67423.2/34

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.590 $\pm$ 0.000 χ^2 /NDF: 24319945228.0/16

Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1709259284.5/18

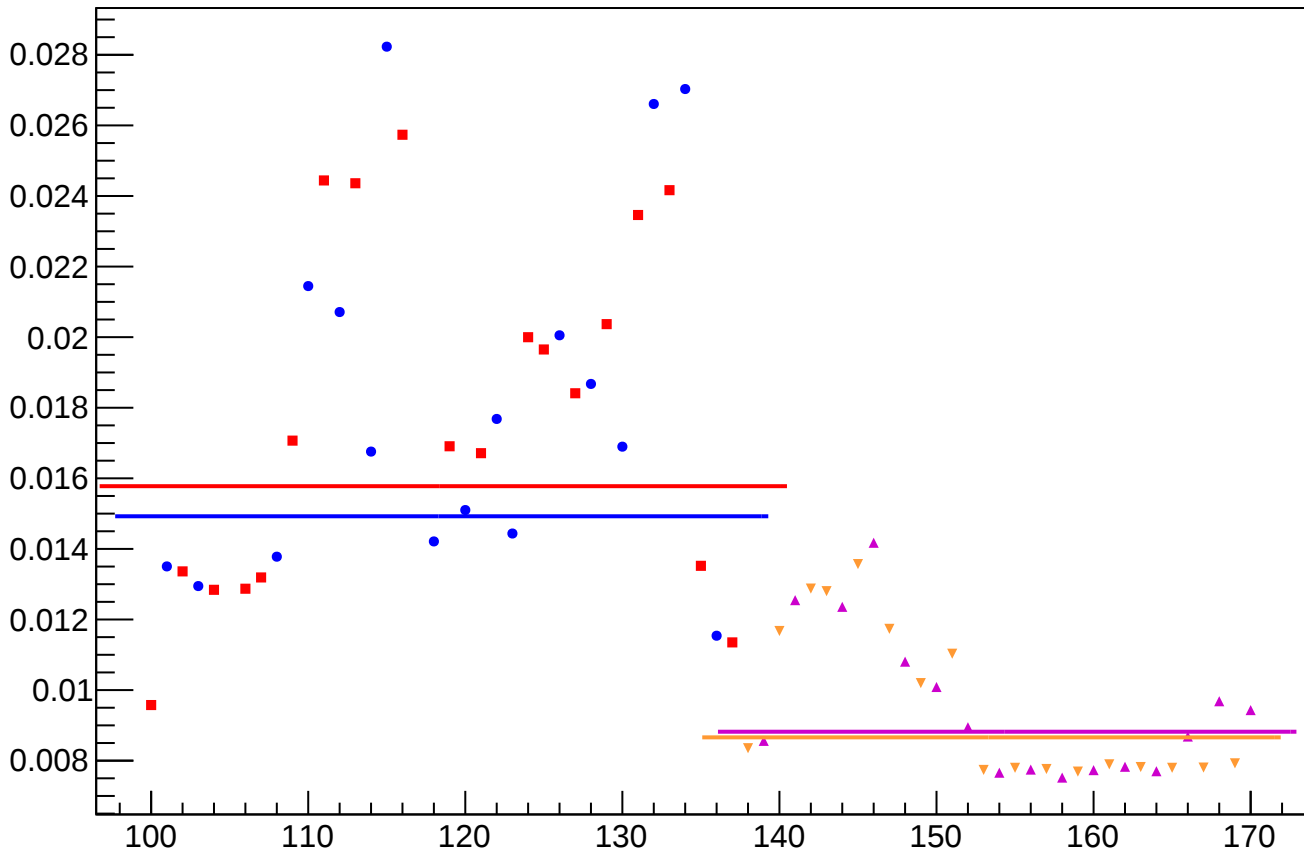
Left In: 1.568 $\pm$ 0.000 χ^2 /NDF: 18931248179.6/15

+ sign 1.621 $\pm$ 0.000 χ^2 /NDF: 26492748350.1/33

All: 1.609 $\pm$ 0.000 χ^2 /NDF: 48011551159.8/6

- sign 1.596 $\pm$ 0.000 χ^2 /NDF: 21464401471.6/34

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.009+/-0.000 χ^2/NDF :842665.7/16

Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

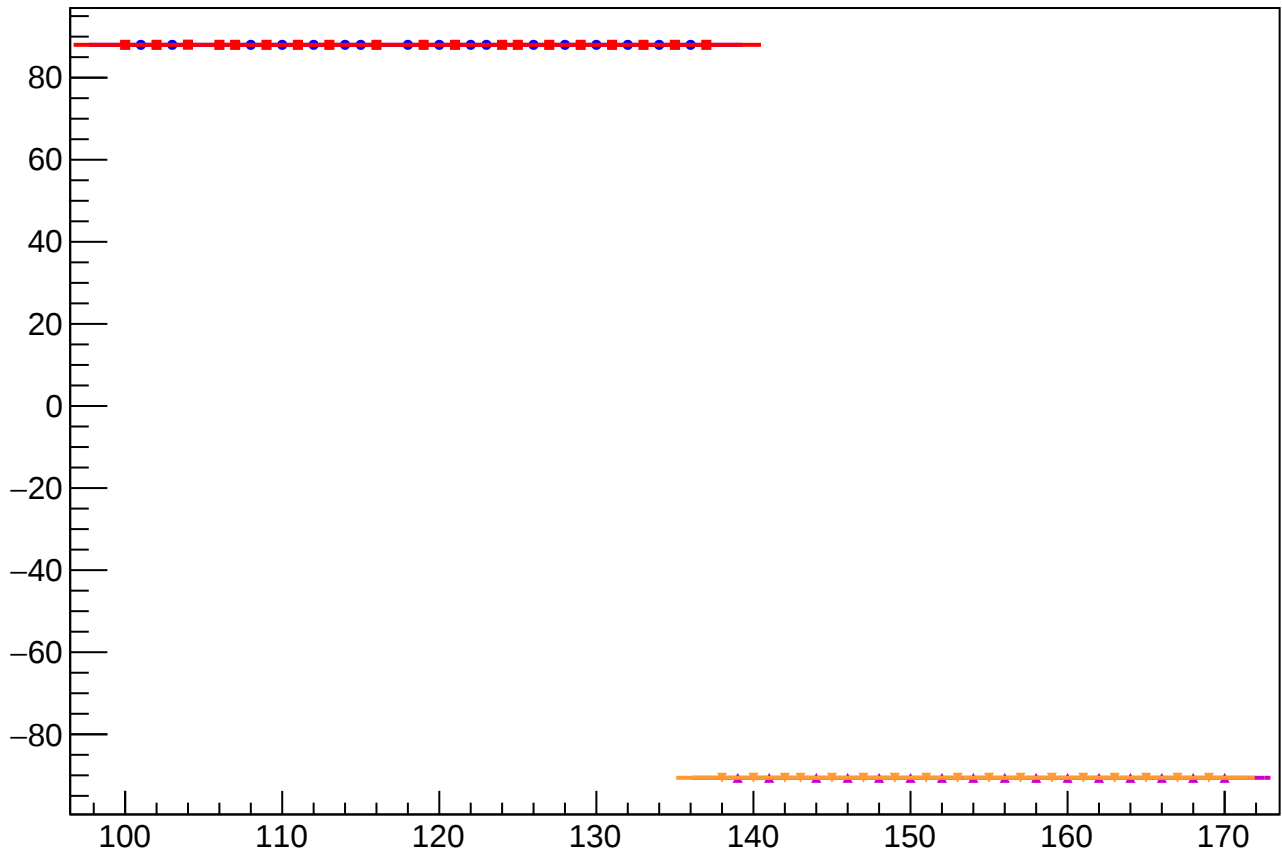
Left In: 0.009+/-0.000 χ^2/NDF :745066.0/15

+ sign 0.010+/-0.000 χ^2/NDF : 3224968.8/33

All: 0.010+/-0.000 χ^2/NDF : 6782345.0/68

- sign 0.010+/-0.000 χ^2/NDF : 3546255.1/34

epics_VWienAngles_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 1852068.7/16

Left Out: -90.599+/-0.000 χ^2/NDF : 5439076.0/16

Right Out: 88.004+/-0.000 χ^2/NDF : 77545892857504626270604886016.0/18

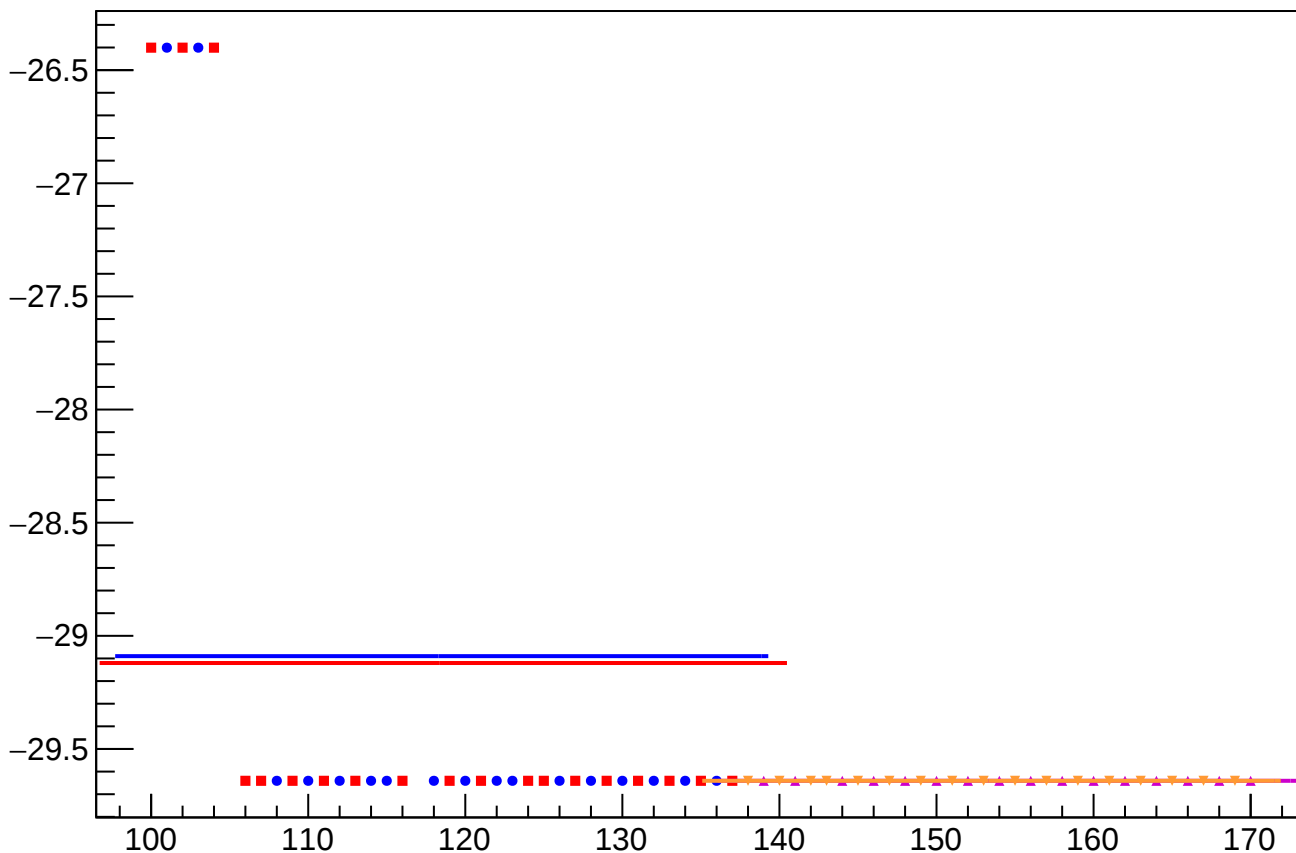
Left In: -90.599+/-0.000 χ^2/NDF : 5682423.8/15

+ sign -28.810+/-0.000 χ^2/NDF : 144785571898703

All: -27.595+/-0.000 χ^2/NDF : 292344567012

- sign -26.381+/-0.000 χ^2/NDF : 1474997432163987

epics_HWienAngles_mean vs Slug



Right In: -29.090+/-0.000 χ^2/NDF : 1028099246109521929793835198578688.0/16

Left Out: -29.641+/-0.000 χ^2/NDF : 221348.1/16

Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18

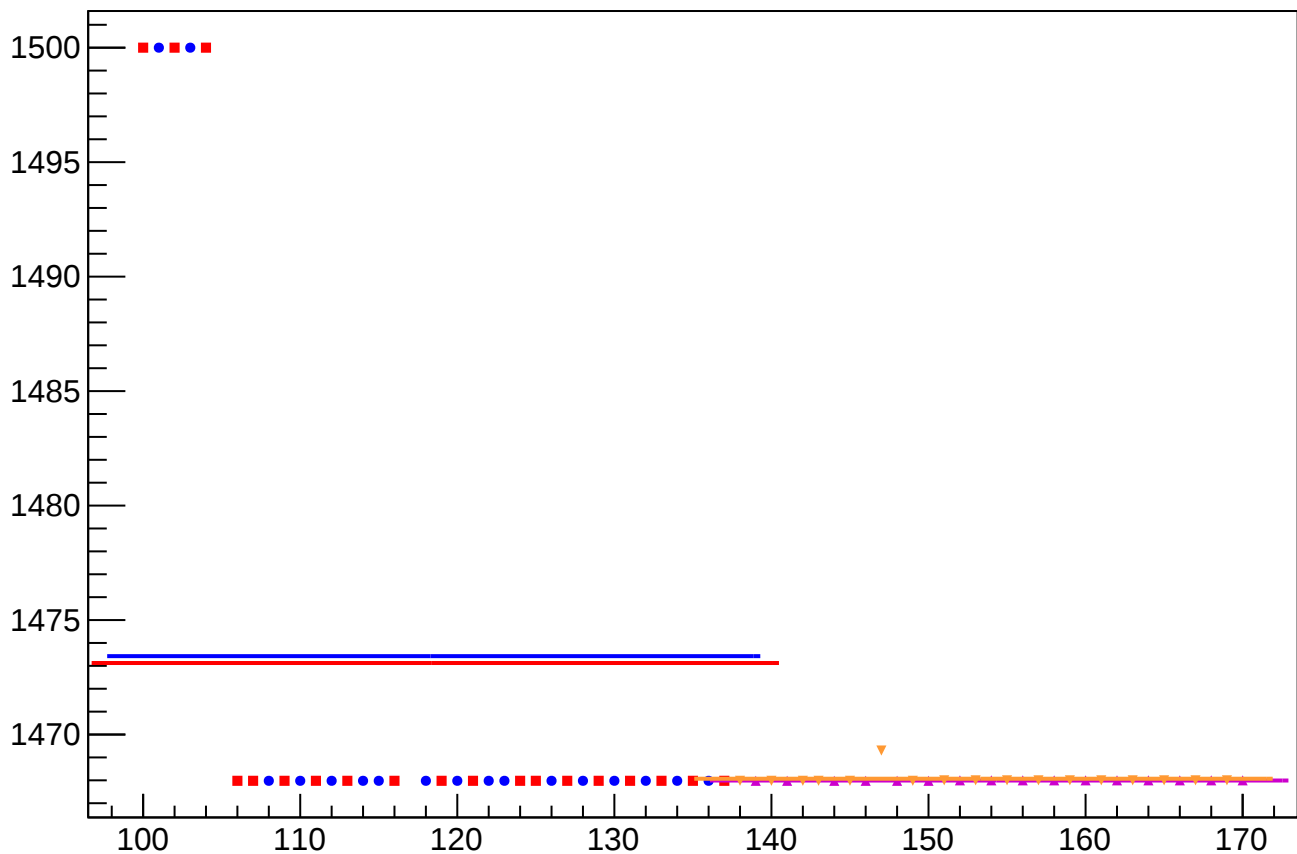
Left In: -29.641+/-0.000 χ^2/NDF : 140328.9/15

+ sign -29.450+/-0.000 χ^2/NDF : 116585110588234

All: -29.452+/-0.000 χ^2/NDF : 231323795515

- sign -29.454+/-0.000 χ^2/NDF : 1147375133067707

epics_psub_pl_poss_mean vs Slug



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.070+/-0.000 χ^2/NDF : 125879565145714116034648365596672.0/16

Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18

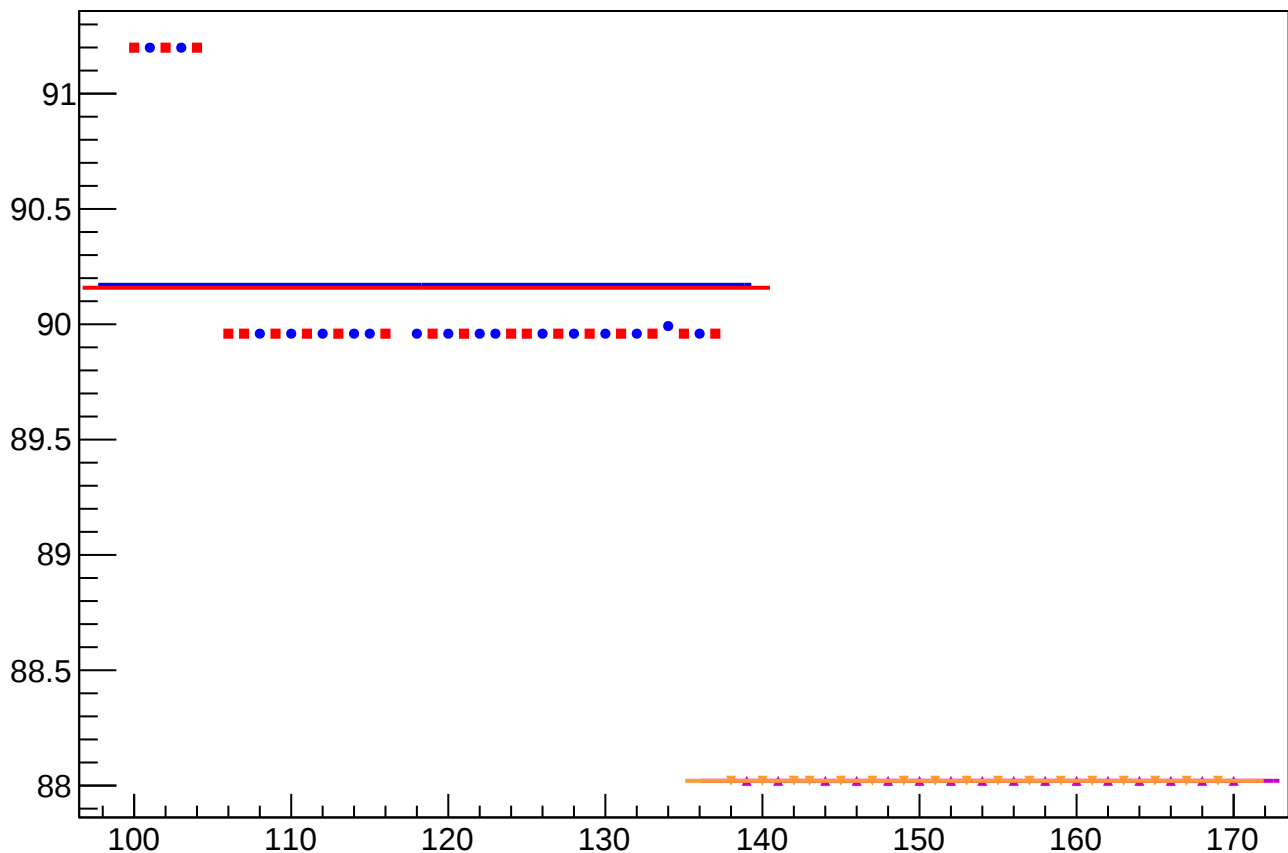
Left In: 1467.992+/-0.000 χ^2/NDF : 122328149272076613380648992768.0/15

+ sign 1469.922+/-0.000 χ^2/NDF : 11355755455311

All: 1469.880+/-0.000 χ^2/NDF : 22557872779

- sign 1469.837+/-0.000 χ^2/NDF : 11201387174302

epics_Phi_FGs_mean vs Slug



Right In: 90.171+/-0.000 χ^2/NDF : 150316905454500935857801185460224.0/16

Left Out: 88.021+/-0.000 χ^2/NDF : 4510719.3/16

Right Out: 90.159+/-0.000 χ^2/NDF : 149705165651000025160777180643328.0/18

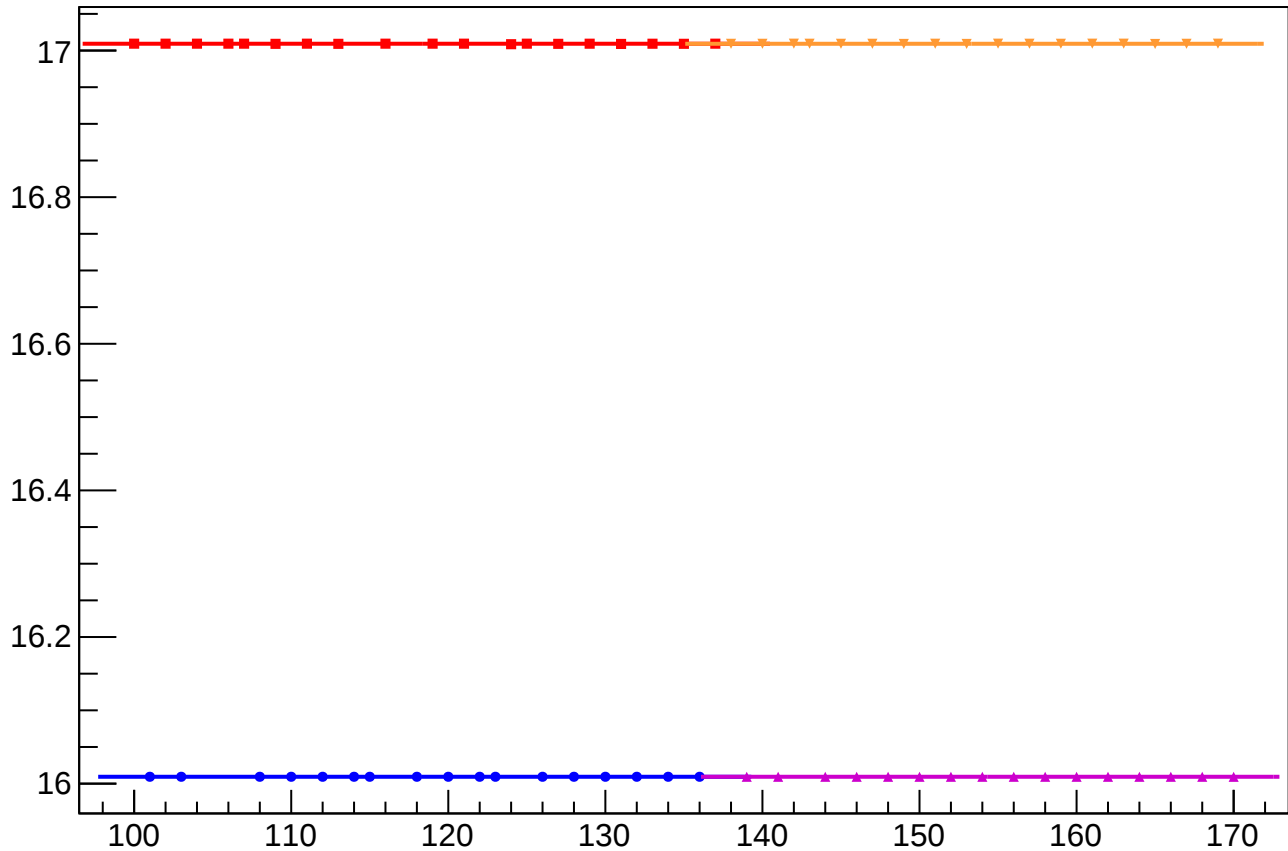
Left In: 88.021+/-0.000 χ^2/NDF : 5267823.8/15

+ sign 88.765+/-0.000 χ^2/NDF : 2249318684537113

All: 88.777+/-0.000 χ^2/NDF : 4512911364977

- sign 88.789+/-0.000 χ^2/NDF : 2262979935236374

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 ± 0.000 $\chi^2/\text{NDF}: 44327.7/16$

Left Out: 17.009 ± 0.000 $\chi^2/\text{NDF}: 19455043727541373398679552.0/16$

Right Out: 17.009 ± 0.000 $\chi^2/\text{NDF}: 12516014336037541461884928.0/18$

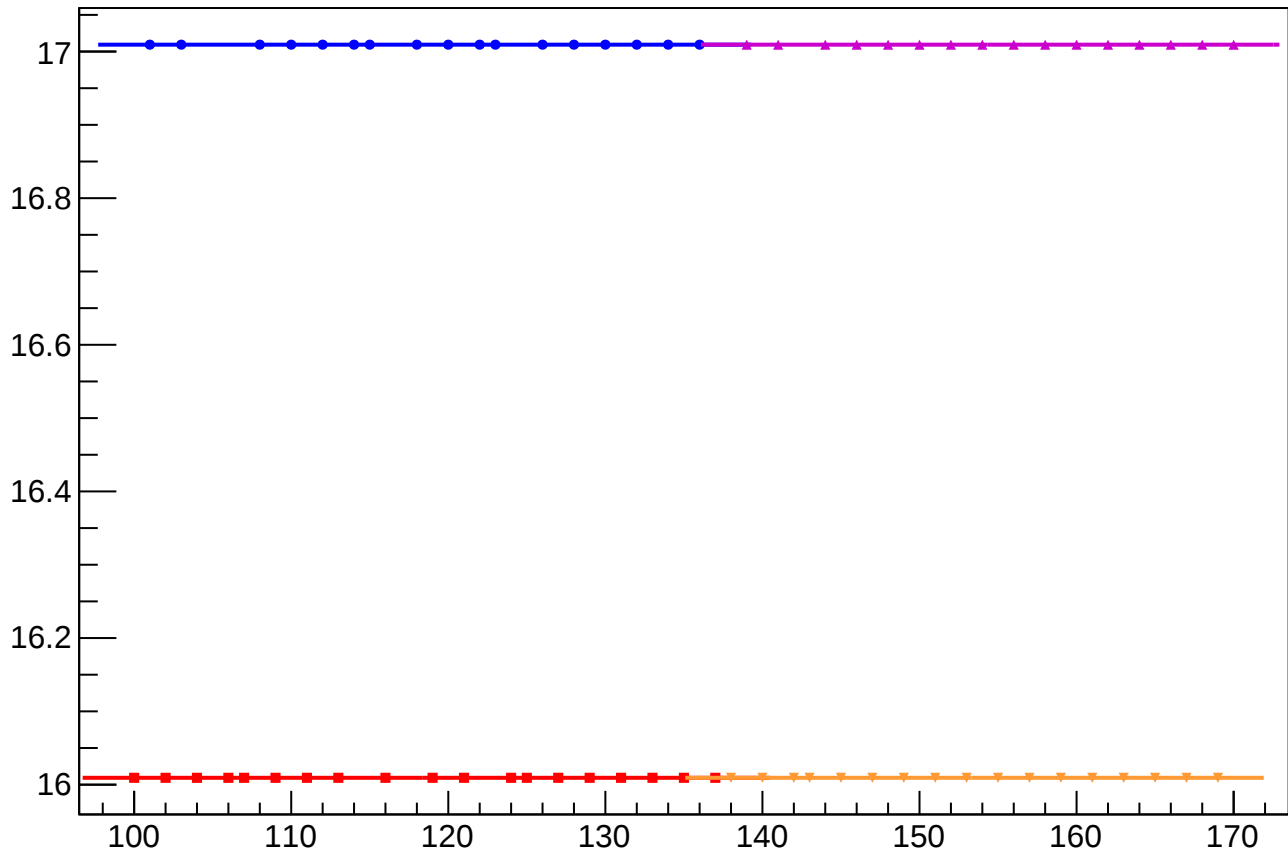
Left In: 16.009 ± 0.000 $\chi^2/\text{NDF}: 125589913746343058210816.0/15$

+ sign 16.655 ± 0.000 $\chi^2/\text{NDF}: 4276518949521830$

All: 16.510 ± 0.000 $\chi^2/\text{NDF}: 9292727997539$

- sign 16.363 ± 0.000 $\chi^2/\text{NDF}: 4223521646801174$

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 132629.6/16

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 53857.1/16

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 39518.8/18

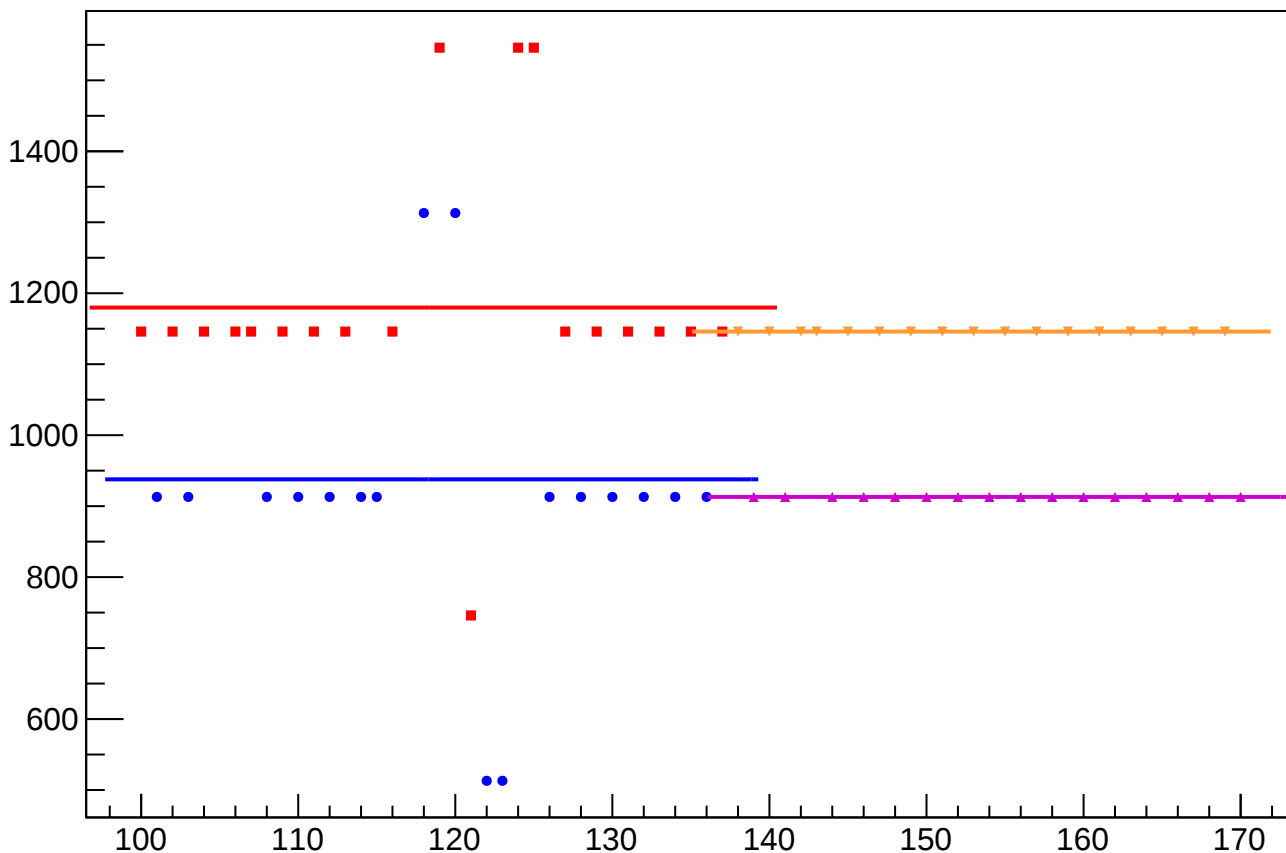
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 112849507787674541359104.0/15

+ sign 16.346 $\pm$ 0.000 χ^2 /NDF: 4390885045778171

All: 16.498 $\pm$ 0.000 χ^2 /NDF: 9862222907818

- sign 16.648 $\pm$ 0.000 χ^2 /NDF: 4569336352746049

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 4448656479097216627457916928.0/16

Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18

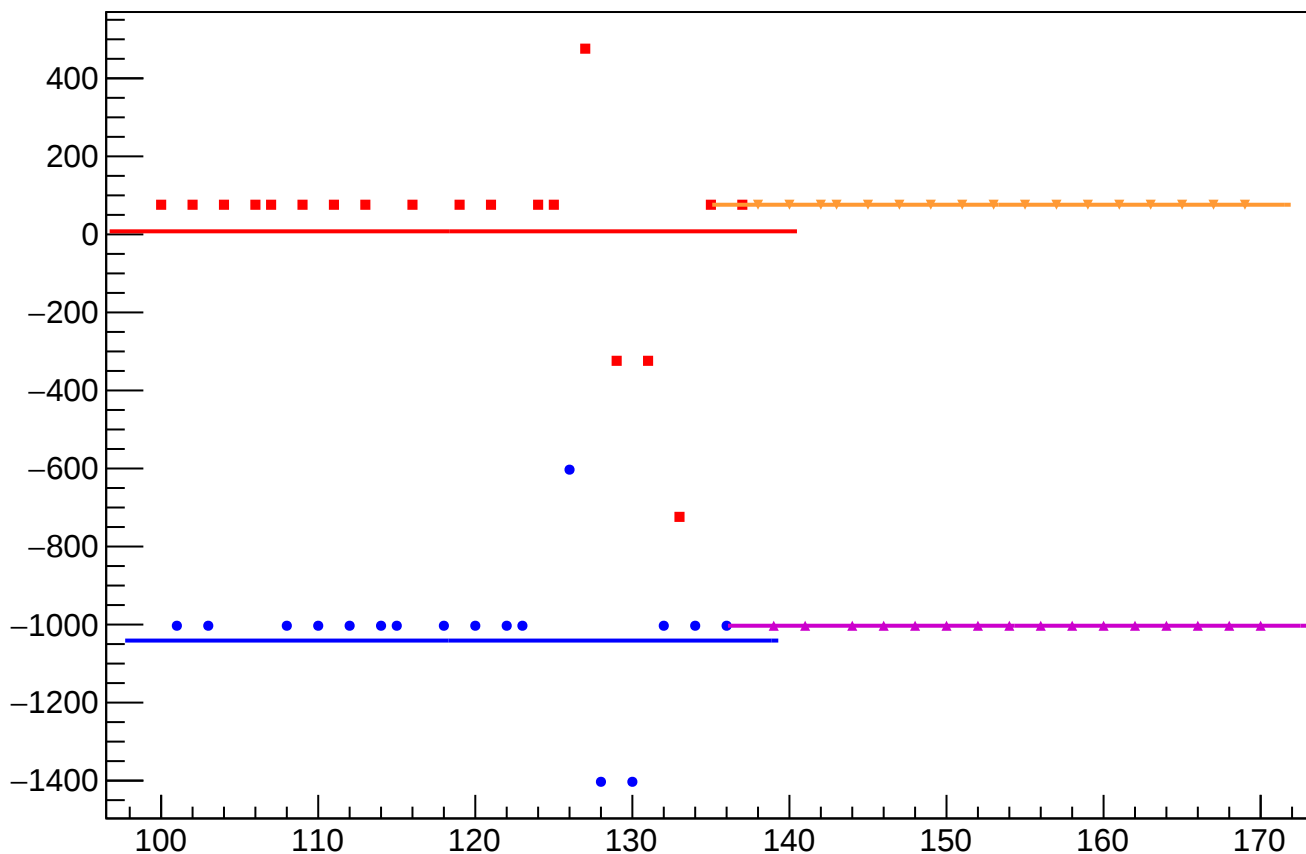
Left In: 912.995+/-0.000 χ^2/NDF : 18081834853671114735039283200.0/15

All: 1041.434+/-0.000 χ^2/NDF : 99114781405

+ sign 1073.971+/-0.000 χ^2/NDF : 40536496278075

- sign 1008.929+/-0.000 χ^2/NDF : 54333098561613

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16

Left Out: 76.011+/-0.000 χ^2/NDF : 10360687941574707124908326912.0/16 + sign -310.443+/-0.000 χ^2/NDF : 58904563418971

Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18 All: -475.066+/-0.000 χ^2/NDF : 12140559996

Left In: -1002.990+/-0.000 χ^2/NDF : 1968619270201557585938612224.0/15 - sign -639.525+/-0.000 χ^2/NDF : 516336126845894