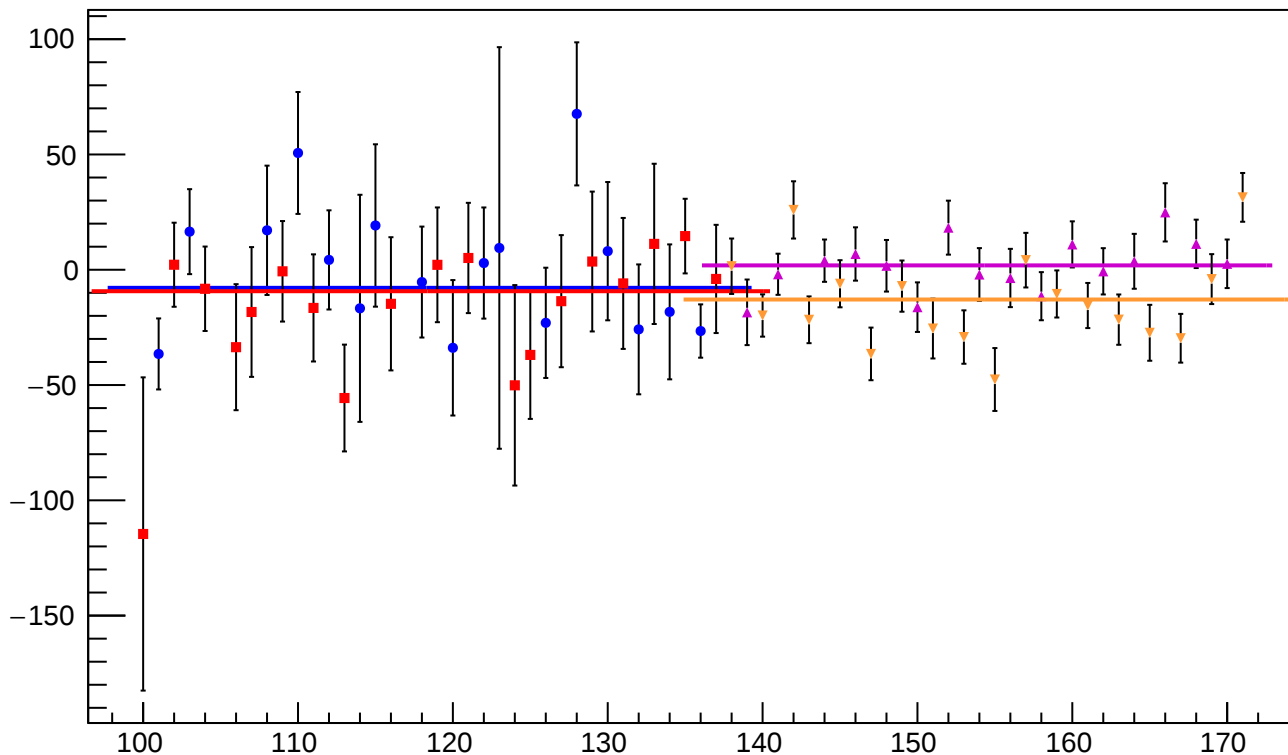


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -12.907 ± 2.600

χ^2/NDF : 51.9/17

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 -12.011 ± 2.359

χ^2/NDF : 75.2/34

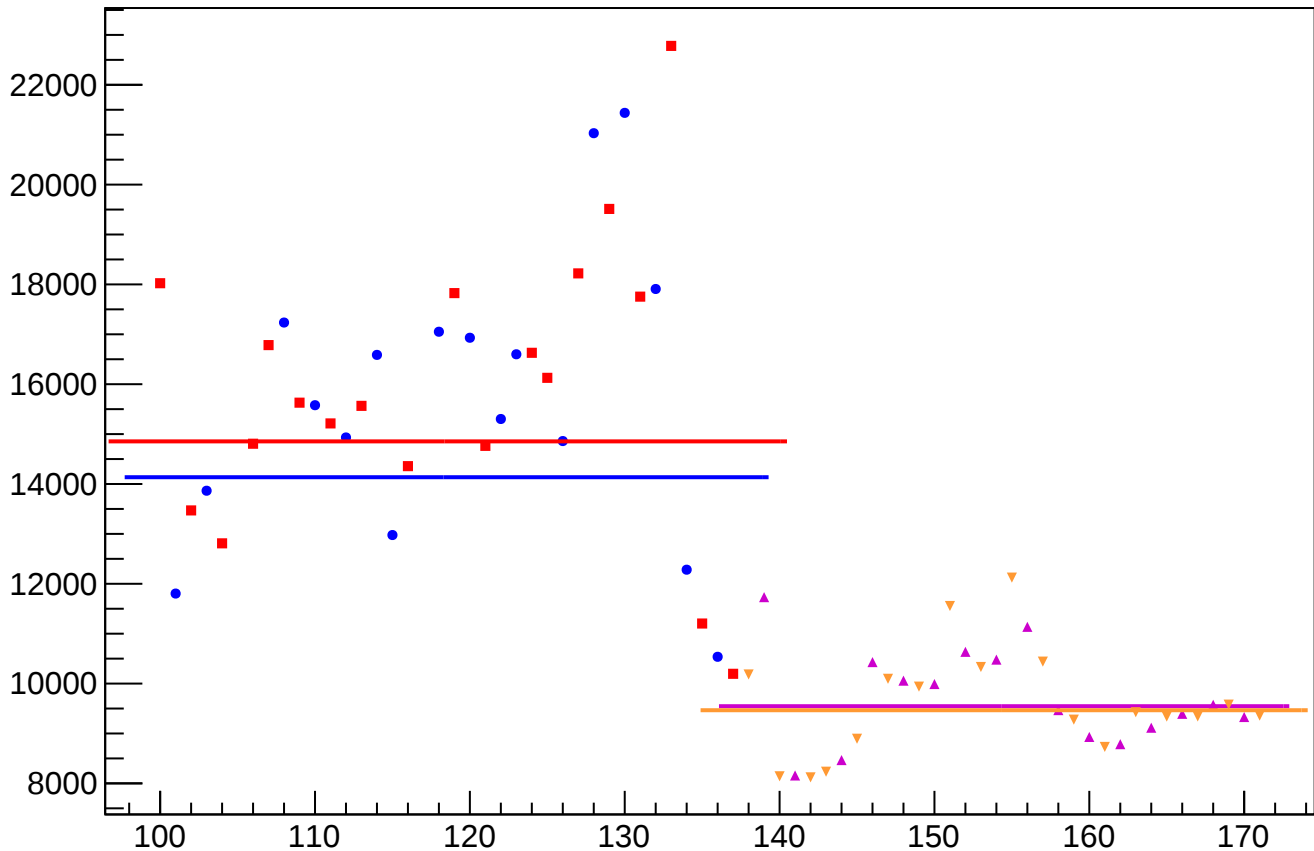
All: -6.335 ± 1.700

χ^2/NDF : 117.9/69

- sign -0.199 ± 2.453

χ^2/NDF : 30.6/34

diff_bpm4aX_rms vs Slug



Right In: 14135.800 $\pm$ 3.966 χ^2 /NDF: 597179.4/16

Left Out: 9465.935 $\pm$ 1.839 χ^2 /NDF: 283169.2/17

Right Out: 14854.033 $\pm$ 4.014 χ^2 /NDF: 472017.6/18

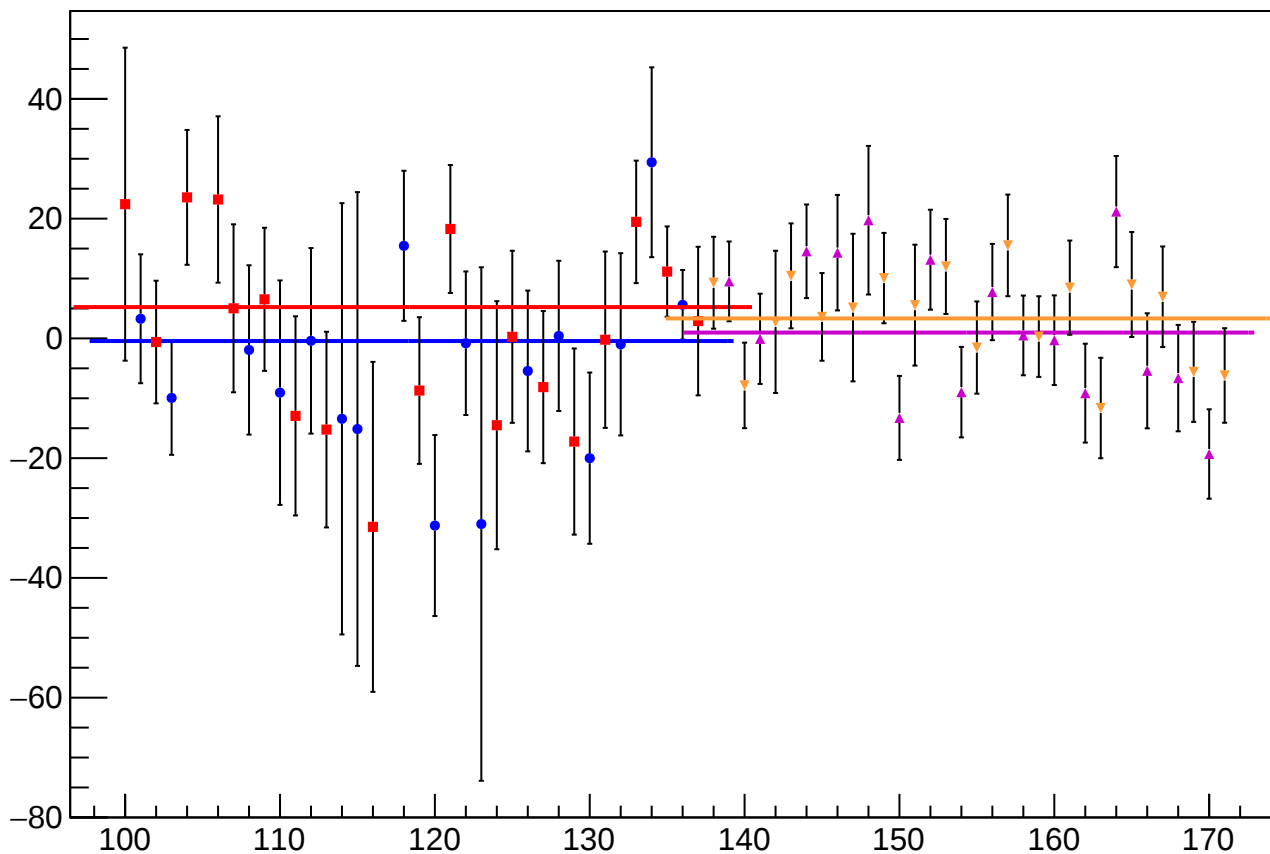
Left In: 9546.708 $\pm$ 1.923 χ^2 /NDF: 227953.5/15

+ sign 10292.092 $\pm$ 1.668 χ^2 /NDF: 2021700.1/34

All: 10409.885 $\pm$ 1.202 χ^2 /NDF: 4153719.9/6

- sign 10537.221 $\pm$ 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: 3.336 ± 1.939 χ^2/NDF : 15.3/17

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

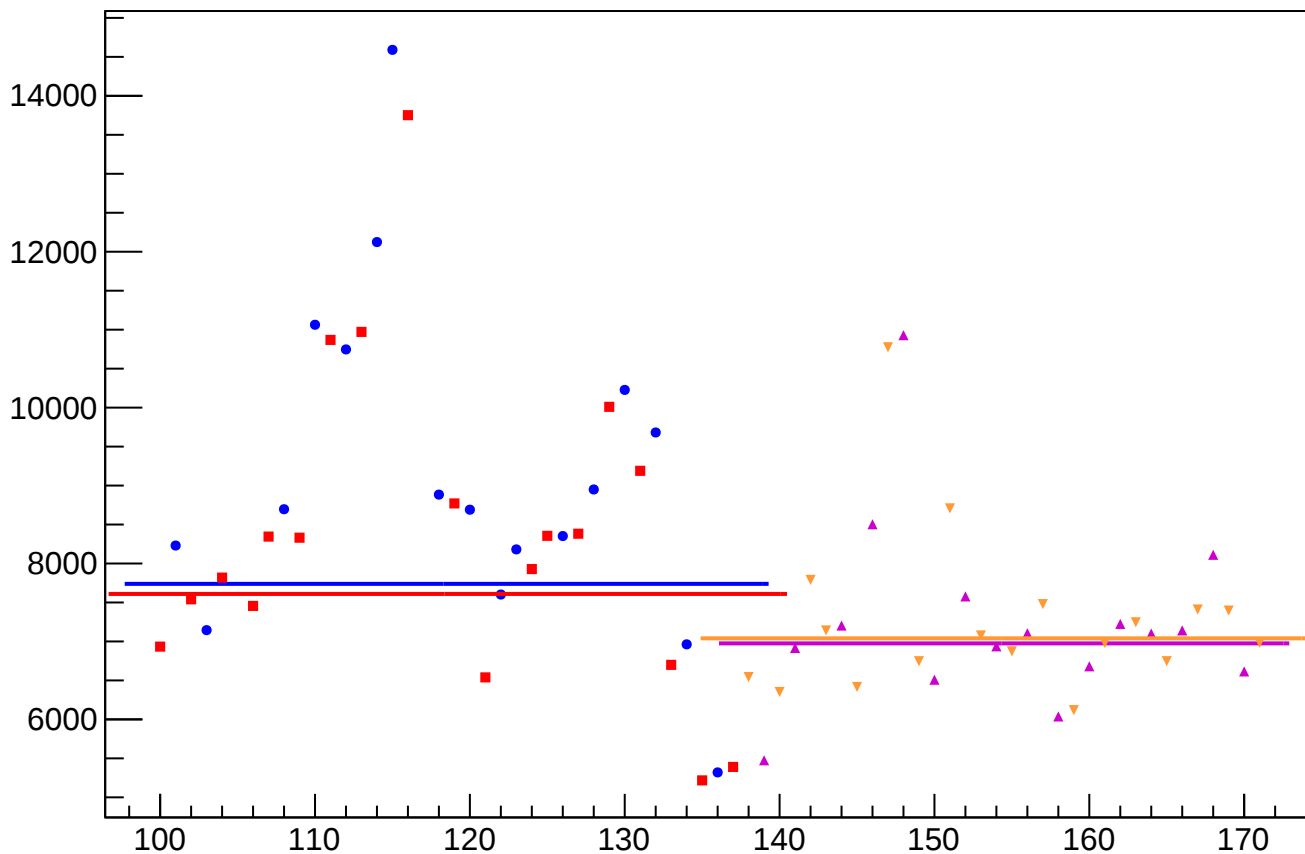
Left In: 0.974 ± 2.002 χ^2/NDF : 32.4/15

+ sign 2.259 ± 1.640 χ^2/NDF : 30.9/34

All: 2.292 ± 1.164 χ^2/NDF : 84.1/69

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

diff_bpm4aY_rms vs Slug



Right In: 7738.886 ± 2.172 χ^2/NDF : 740836.7/16

Left Out: 7039.934 ± 1.371 χ^2/NDF : 345887.5/17

Right Out: 7609.531 ± 2.076 χ^2/NDF : 679180.7/18

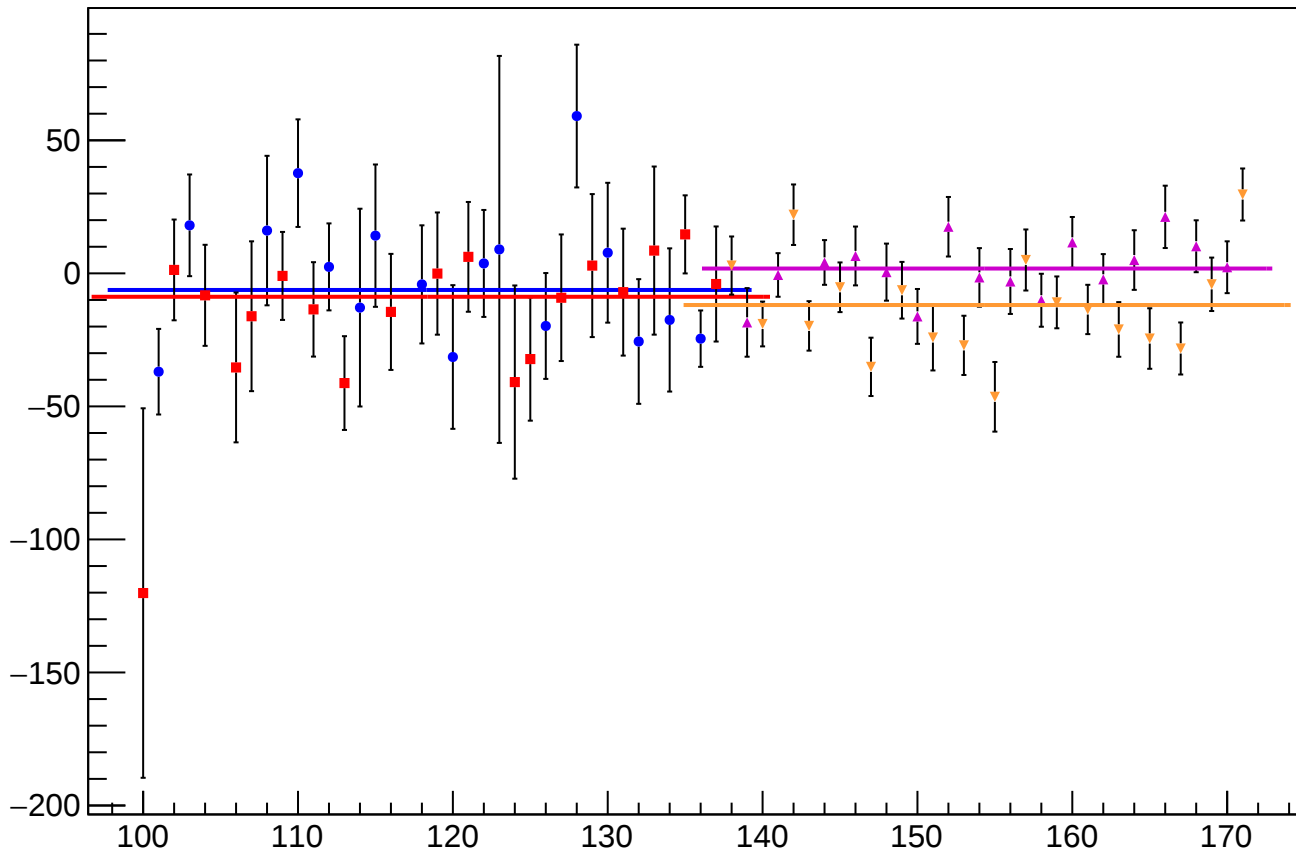
Left In: 6975.314 ± 1.415 χ^2/NDF : 459264.5/15

+ sign 7239.201 ± 1.159 χ^2/NDF : 1160787.3/34

All: 7208.163 ± 0.823 χ^2/NDF : 2364392.8/69

- sign 7176.587 ± 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: -11.901 ± 2.435 χ^2/NDF : 52.9/17

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

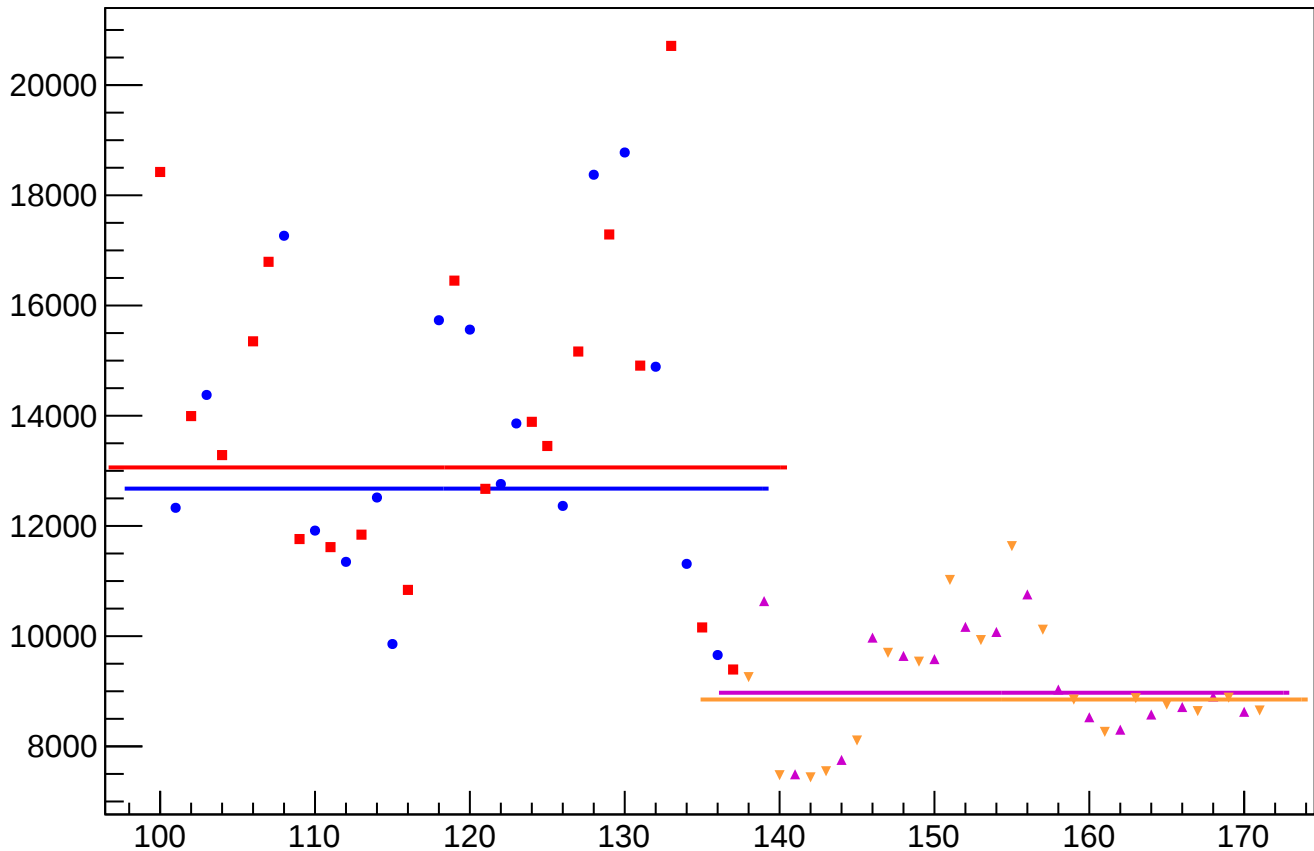
Left In: 1.811 ± 2.559 χ^2/NDF : 14.3/15

+ sign -10.823 ± 2.191 χ^2/NDF : 77.1/34

All: -5.810 ± 1.579 χ^2/NDF : 119.1/69

- 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: 8850.582+/-1.722 χ^2/NDF : 364013.9/17

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

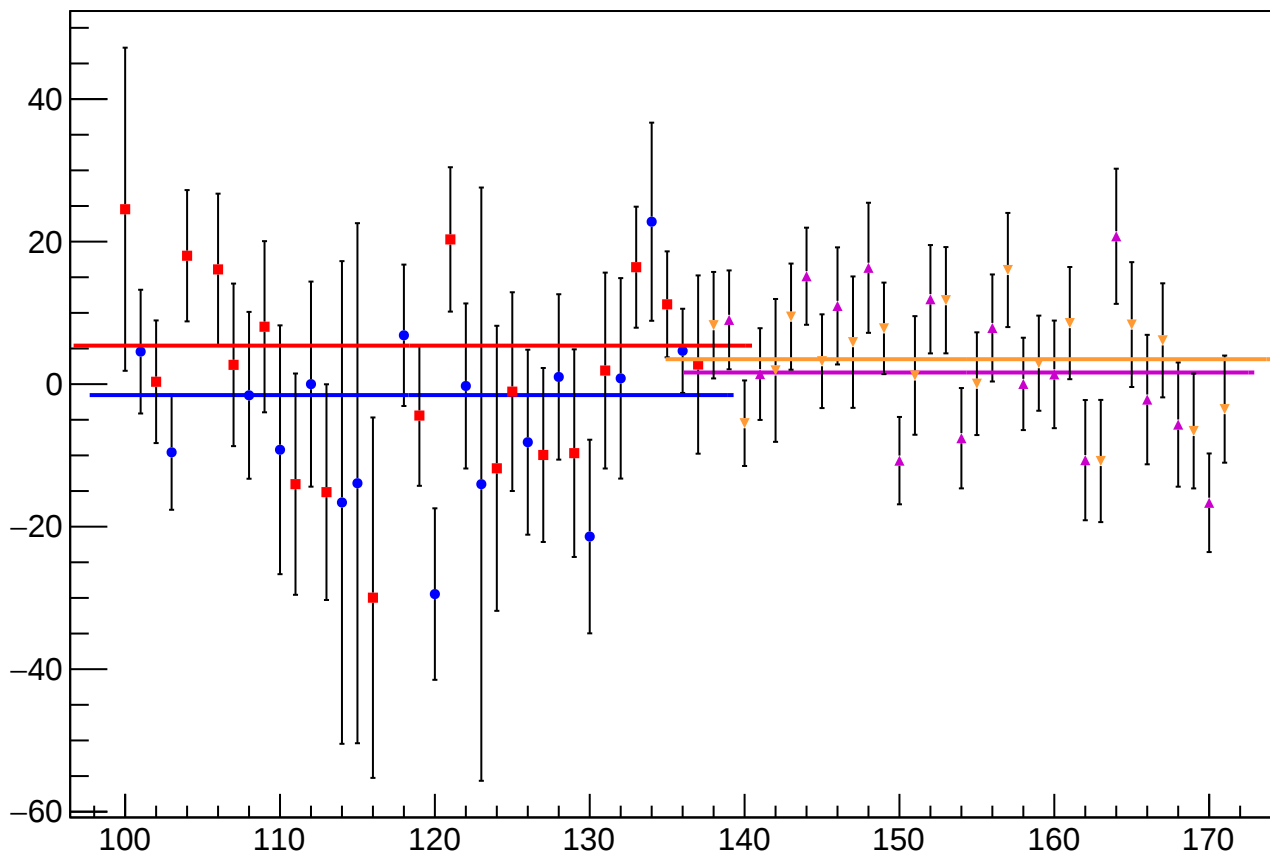
Left In: 8973.209+/-1.809 χ^2/NDF : 277865.5/15

+ sign 9580.129+/-1.549 χ^2/NDF : 1859352.2/34

All: 9696.279+/-1.116 χ^2/NDF : 3706423.5/69

- 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: 3.500 ± 1.785 χ^2/NDF : 13.9/17

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

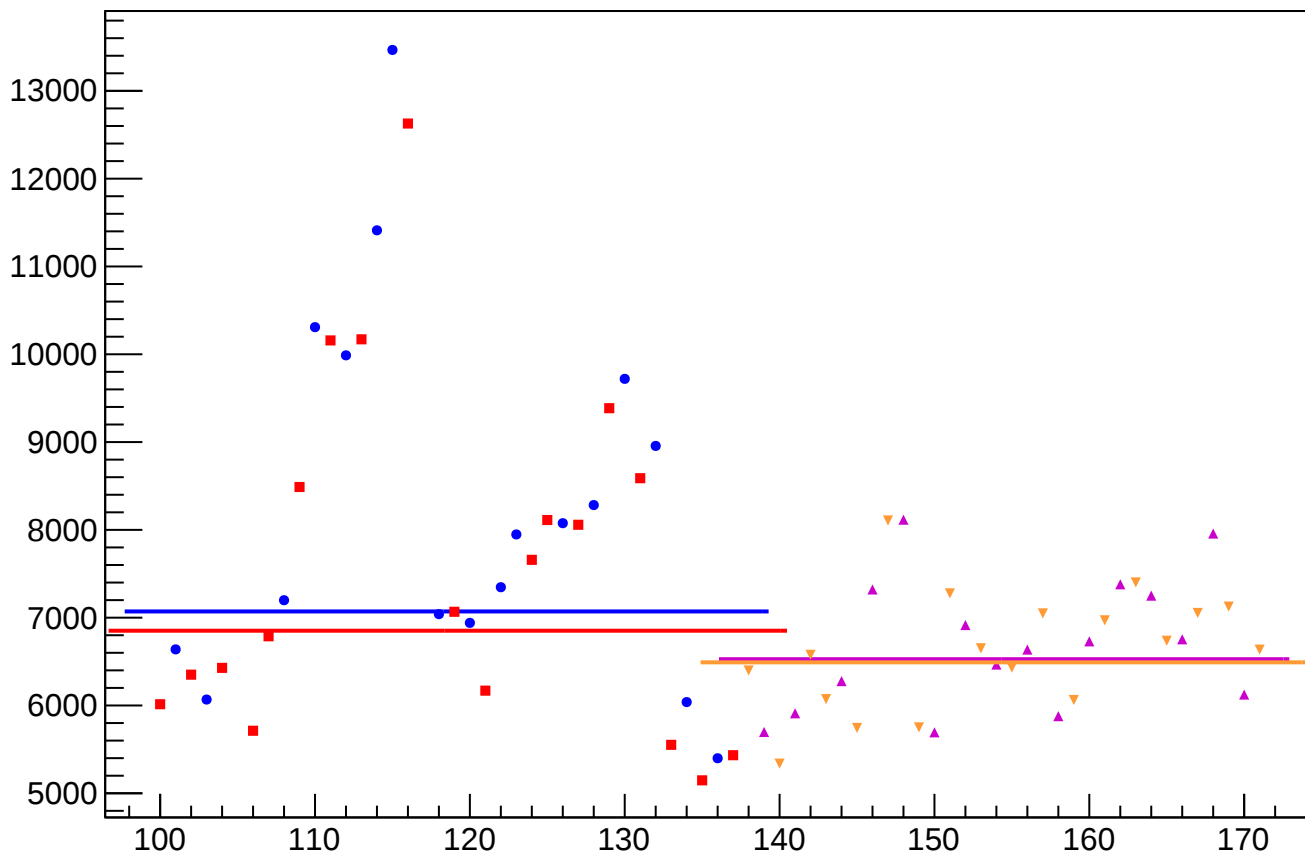
Left In: 1.634 ± 1.864 χ^2/NDF : 31.4/15

+ sign 2.037 ± 1.503 χ^2/NDF : 31.0/34

All: 2.458 ± 1.070 χ^2/NDF : 82.5/69

- 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: 6491.263+/-1.262 χ^2/NDF : 285832.5/17

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

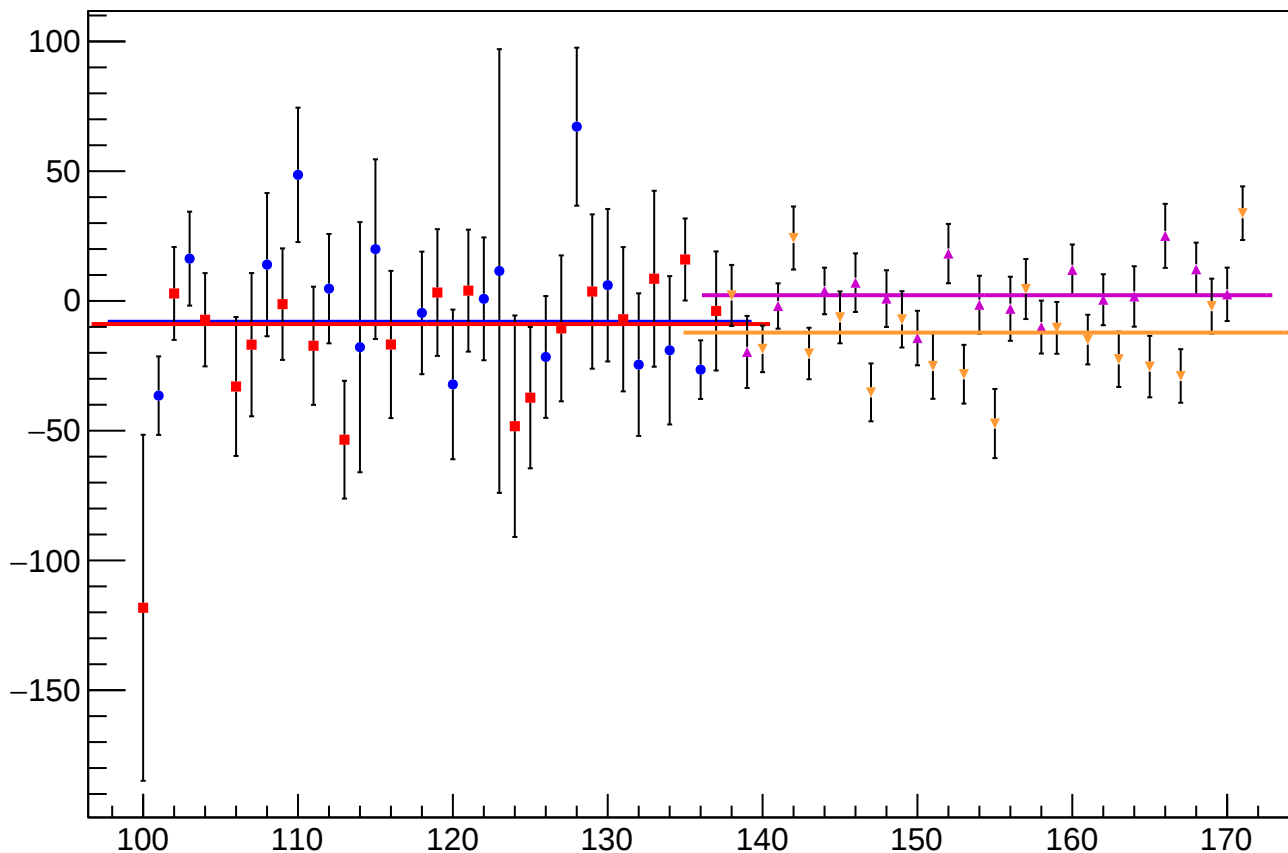
Left In: 6527.017+/-1.318 χ^2/NDF : 287118.3/15

+ sign 6659.586+/-1.063 χ^2/NDF : 947856.9/34

All: 6647.465+/-0.757 χ^2/NDF : 1939815.2/69

- 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: -12.194 ± 2.542 χ^2/NDF : 54.2/17

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

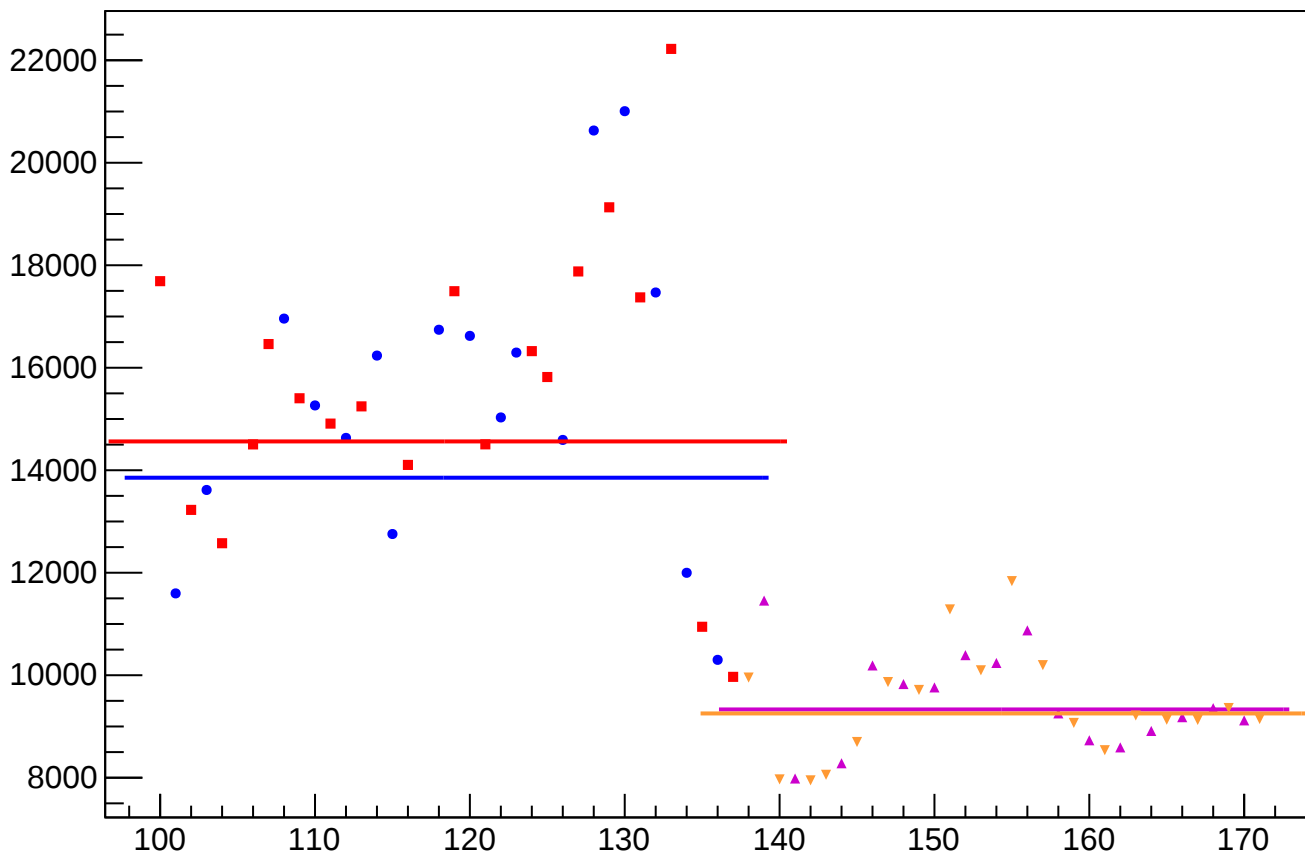
Left In: 2.207 ± 2.658 χ^2/NDF : 14.5/15

+ sign -11.462 ± 2.307 χ^2/NDF : 77.2/34

All: -5.885 ± 1.663 χ^2/NDF : 120.8/69

- 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: 9254.164+/-1.797 χ^2/NDF : 279962.3/17

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

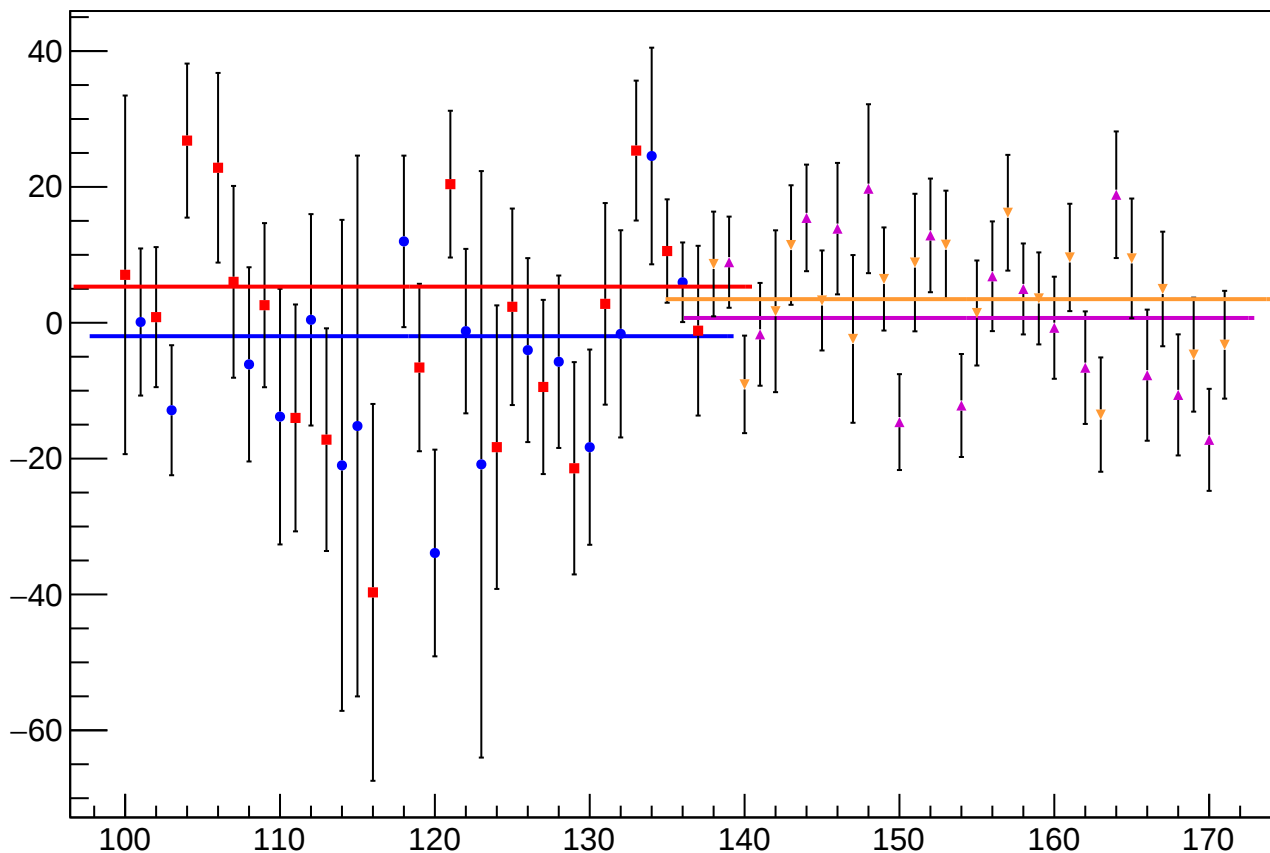
Left In: 9332.264+/-1.880 χ^2/NDF : 225259.0/15

+ sign 10064.285+/-1.631 χ^2/NDF : 2034658.2/34

All: 10179.248+/-1.176 χ^2/NDF : 4182363.8/6

- 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: 3.478 ± 1.948 χ^2/NDF : 15.2/17

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

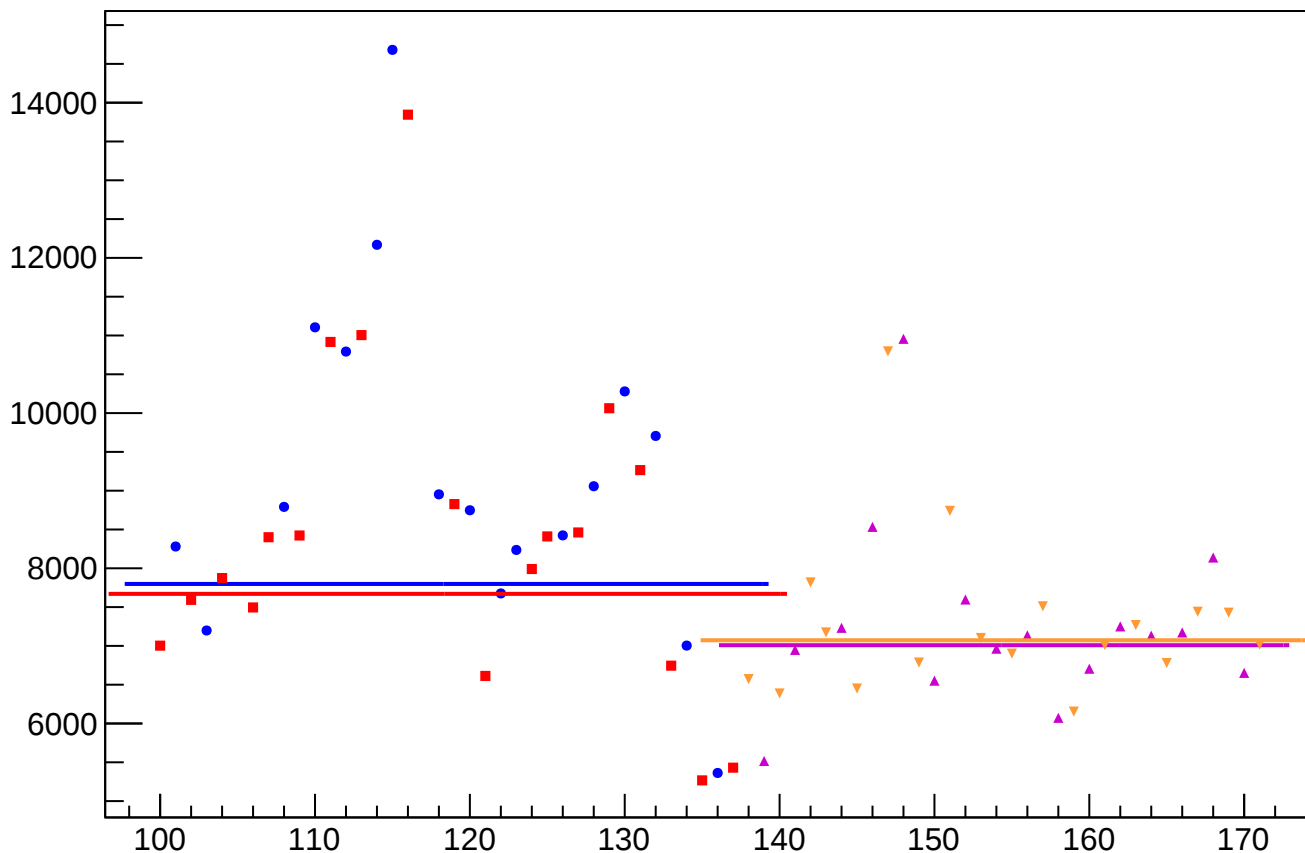
Left In: 0.705 ± 2.011 χ^2/NDF : 32.7/15

+ sign 1.929 ± 1.648 χ^2/NDF : 31.4/34

All: 2.045 ± 1.171 χ^2/NDF : 90.1/69

- 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: 7072.561+/-1.377 χ^2/NDF : 341990.1/17

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

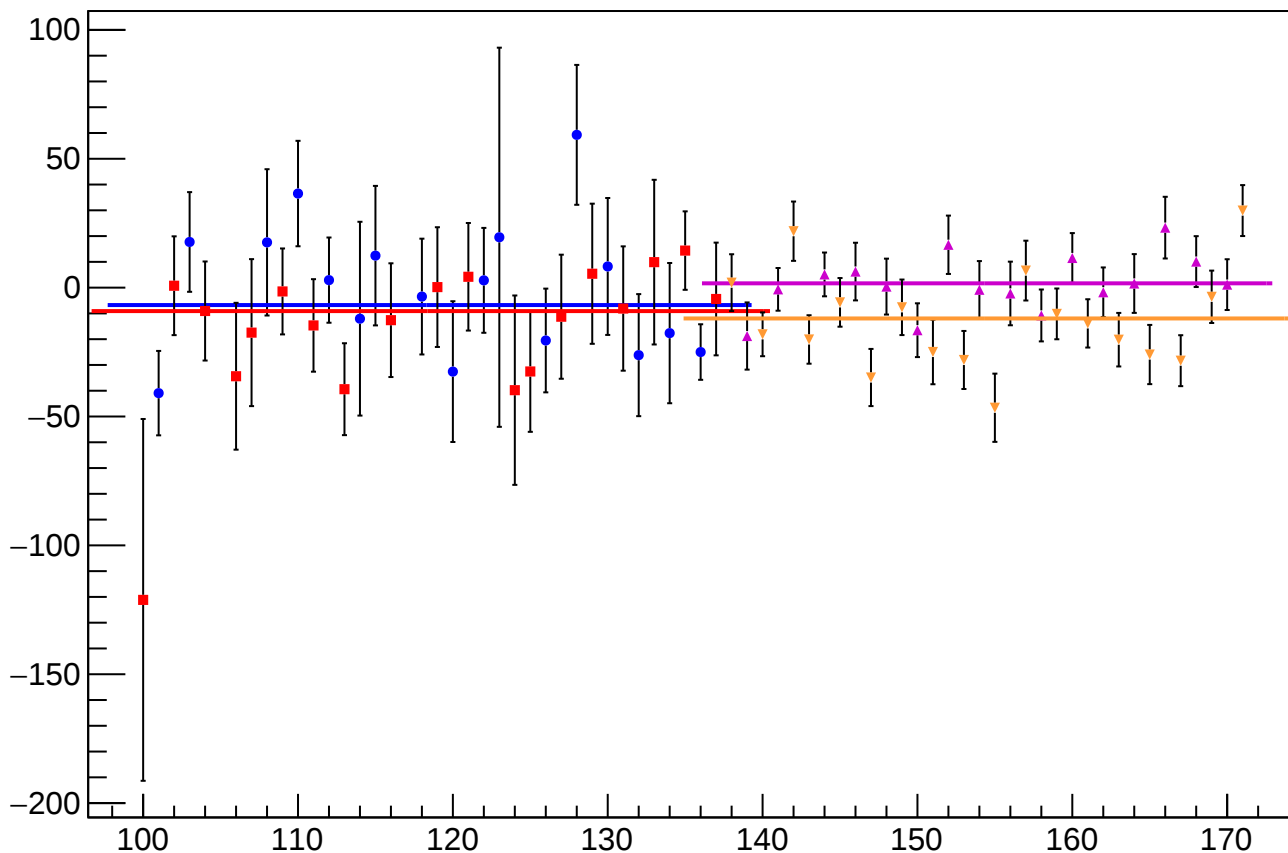
Left In: 7009.139+/-1.422 χ^2/NDF : 452252.0/15

+ sign 7278.576+/-1.166 χ^2/NDF : 1157070.4/34

All: 7248.642+/-0.828 χ^2/NDF : 2351721.5/69

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

diff_bpm4ecX_mean vs Slug



Right In: -6.760 ± 5.085 χ^2/NDF : 23.7/16

Left Out: -11.958 ± 2.462 χ^2/NDF : 52.5/17

Right Out: -9.102 ± 5.070 χ^2/NDF : 12.2/18

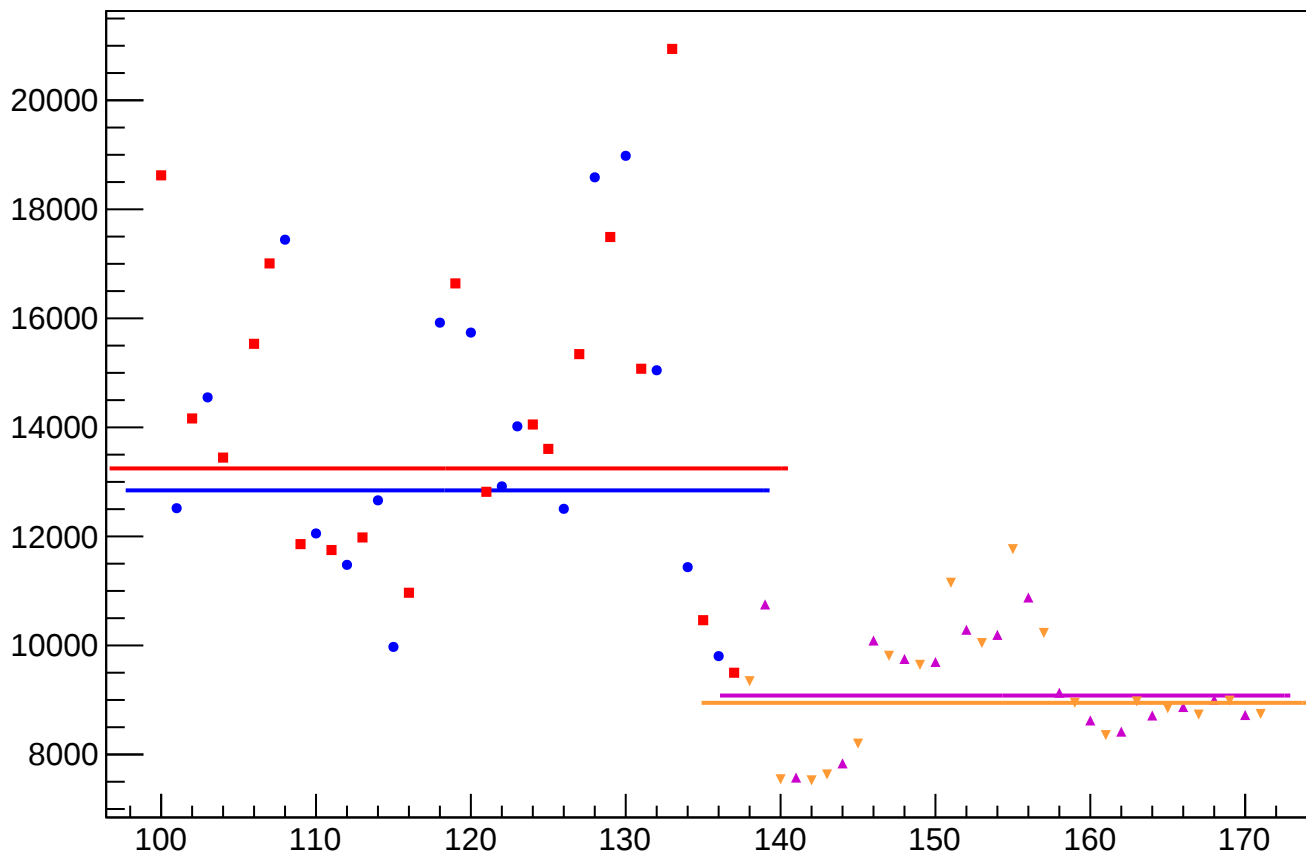
Left In: 1.670 ± 2.590 χ^2/NDF : 14.5/15

+ sign -10.971 ± 2.216 χ^2/NDF : 77.0/34

All: -5.974 ± 1.598 χ^2/NDF : 118.0/69

- sign -0.559 ± 2.307 χ^2/NDF : 30.3/34

diff_bpm4ecX_rms vs Slug



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

Left Out: 8947.238+/-1.741 χ^2/NDF : 365652.2/17

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

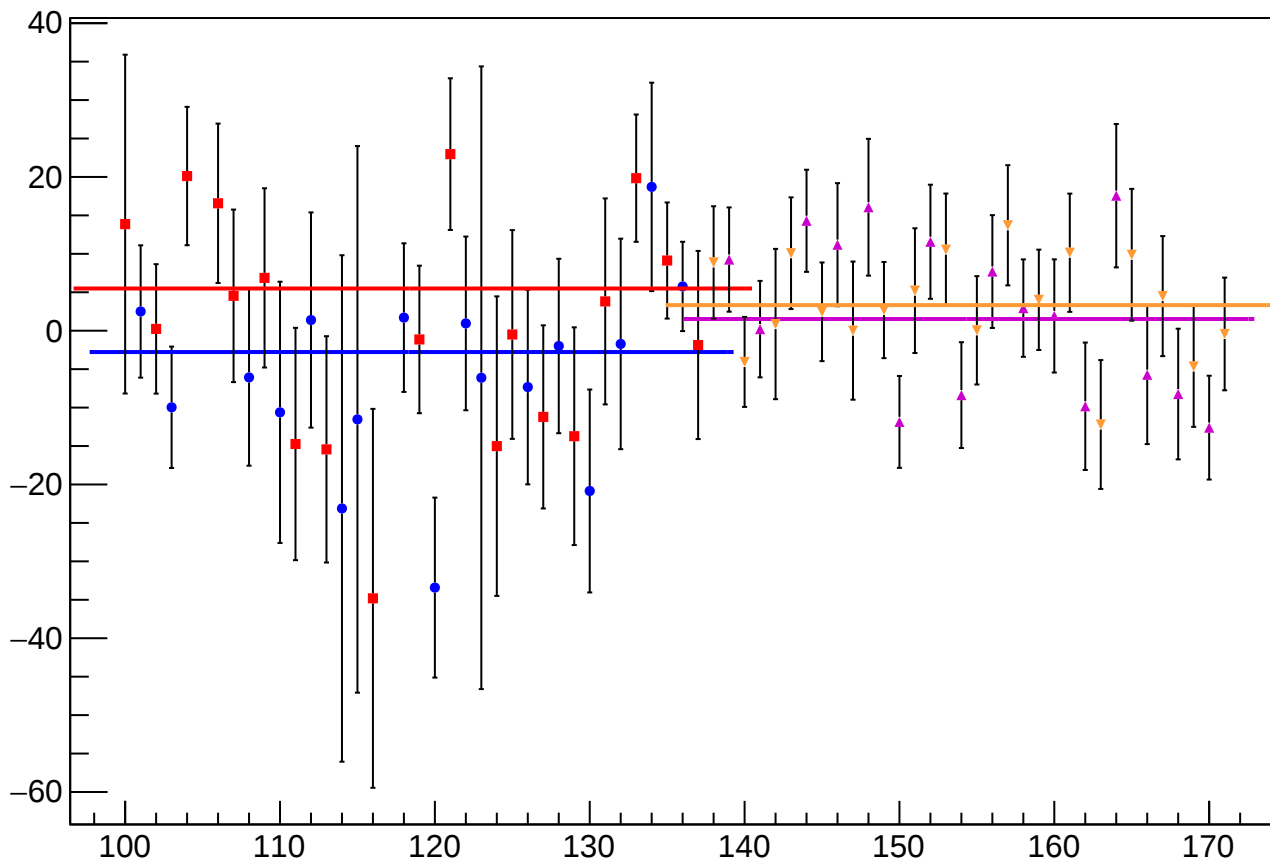
Left In: 9081.285+/-1.831 χ^2/NDF : 277264.9/15

+ sign 9687.230+/-1.567 χ^2/NDF : 1864681.4/34

All: 9810.141+/-1.130 χ^2/NDF : 3710978.4/69

- 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: 3.328 ± 1.742 χ^2/NDF : 12.4/17

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

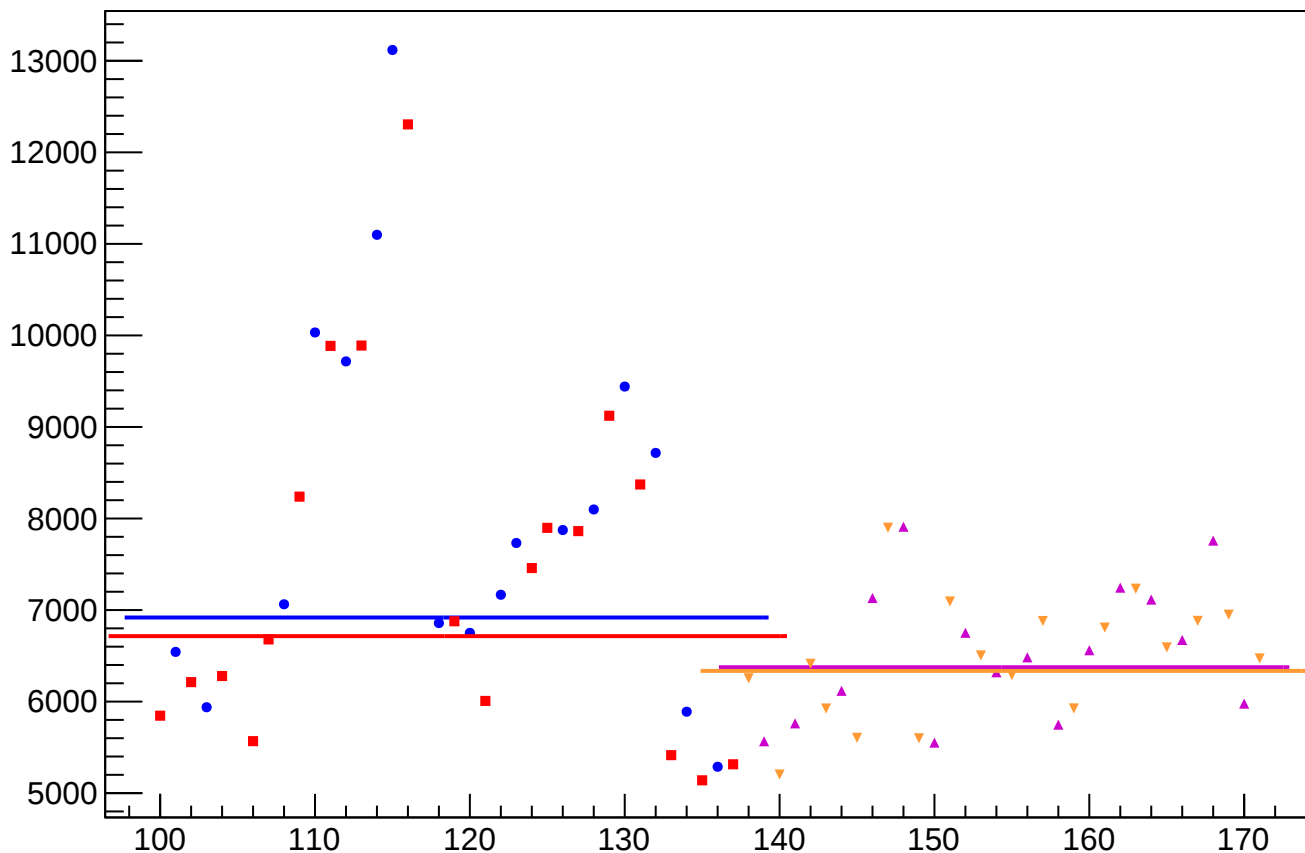
Left In: 1.521 ± 1.822 χ^2/NDF : 30.0/15

+ sign 1.564 ± 1.469 χ^2/NDF : 31.9/34

All: 2.191 ± 1.046 χ^2/NDF : 87.0/69

- 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: 6335.441 ± 1.232 χ^2/NDF : 287141.9/17

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

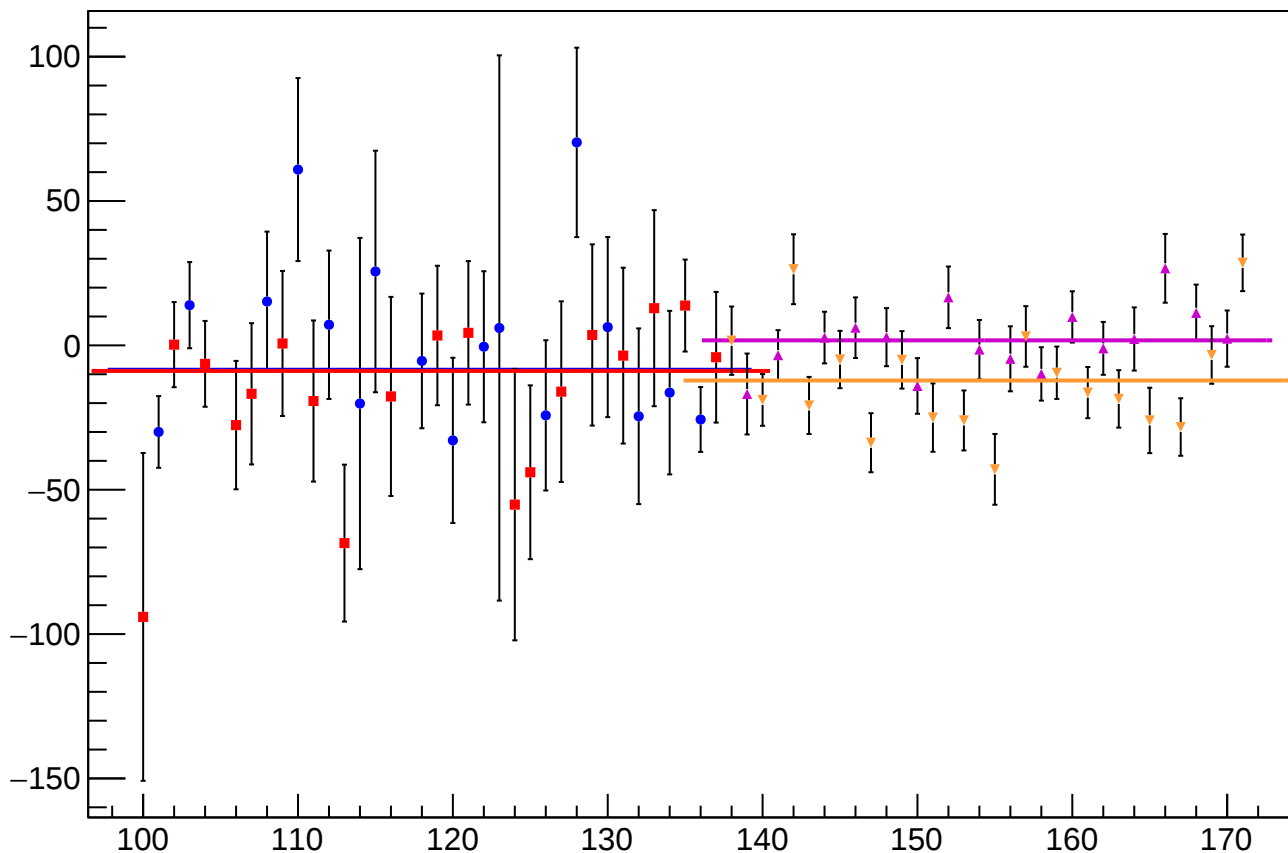
Left In: 6375.040 ± 1.288 χ^2/NDF : 289120.9/15

+ sign 6503.985 ± 1.039 χ^2/NDF : 938953.4/34

All: 6495.957 ± 0.739 χ^2/NDF : 1907293.8/69

- 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: -12.162 ± 2.412 χ^2/NDF : 52.6/17

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

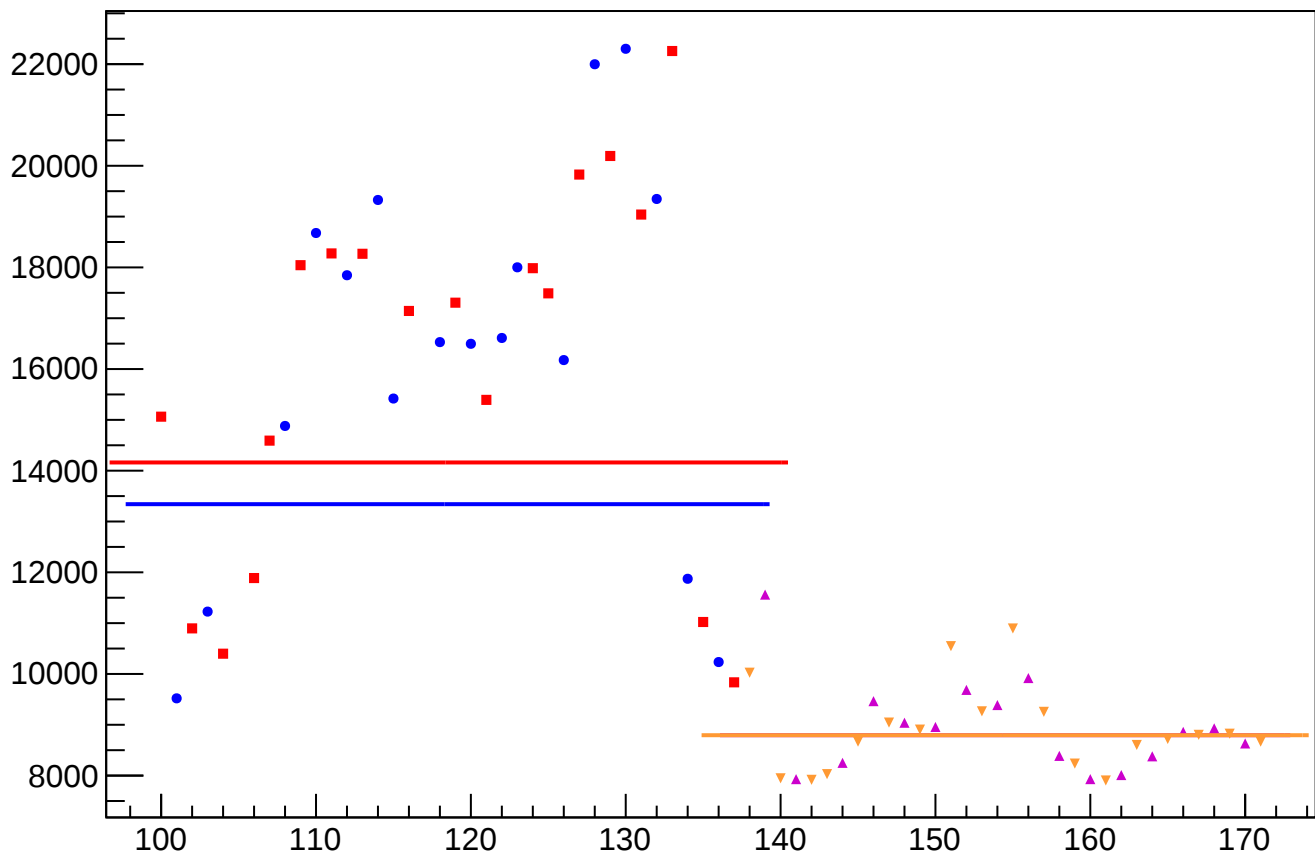
Left In: 1.736 ± 2.504 χ^2/NDF : 15.2/15

+ sign -11.543 ± 2.202 χ^2/NDF : 75.0/34

All: -6.010 ± 1.584 χ^2/NDF : 120.6/69

- 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: 8794.611+/-1.705 χ^2/NDF : 203223.3/17

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

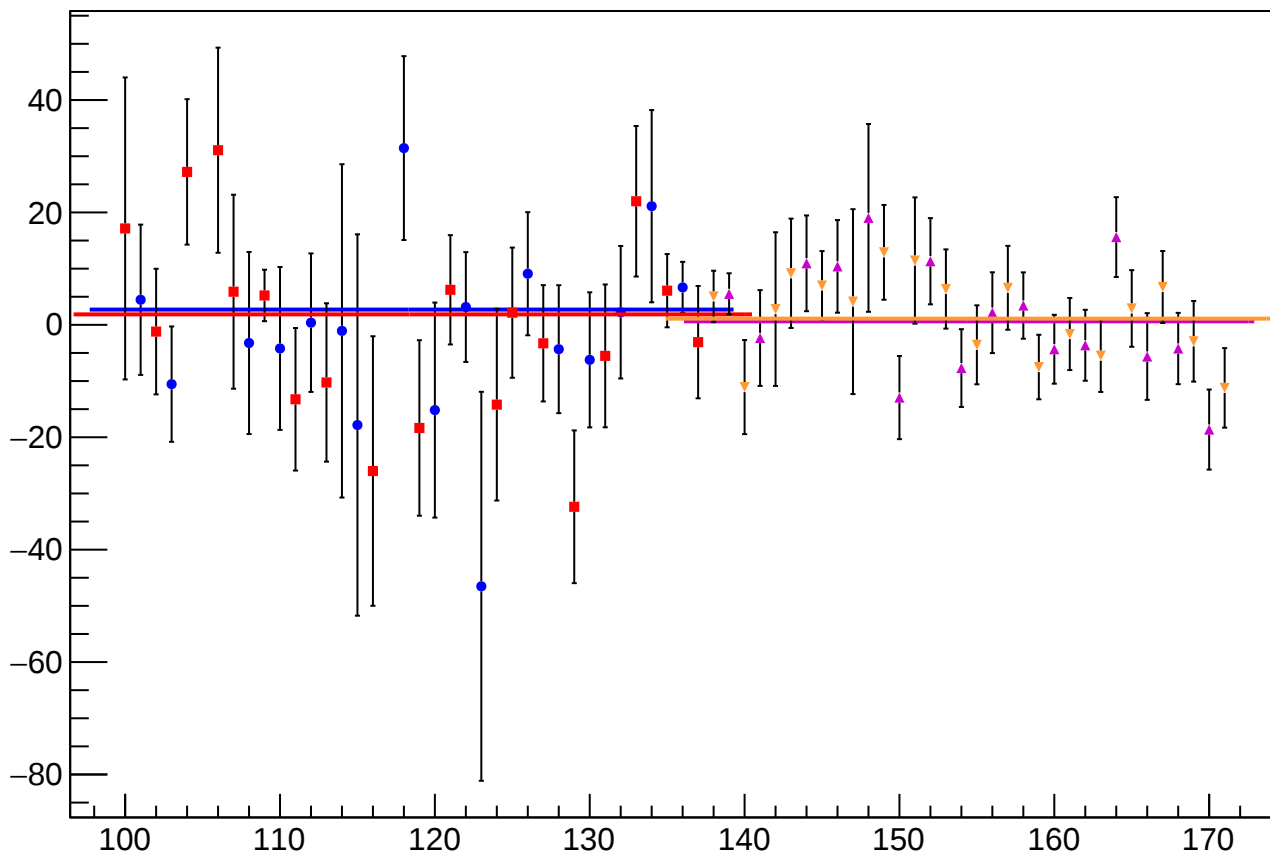
Left In: 8794.946+/-1.771 χ^2/NDF : 197115.3/15

+ sign 9552.274+/-1.557 χ^2/NDF : 2432280.6/34

All: 9630.346+/-1.120 χ^2/NDF : 5139833.1/69

- 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: 1.105 ± 1.684 χ^2/NDF : 16.5/17

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

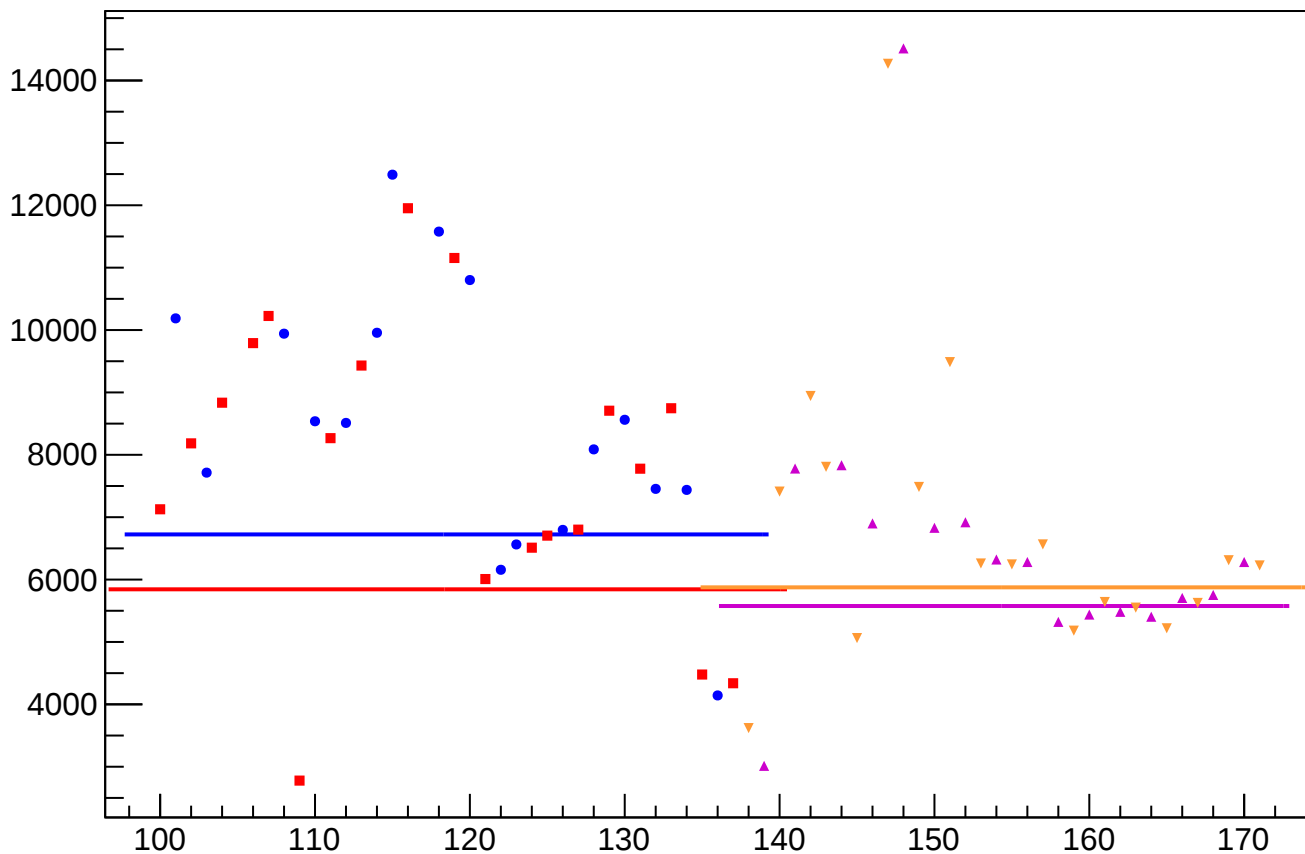
Left In: 0.628 ± 1.672 χ^2/NDF : 27.1/15

+ sign 1.545 ± 1.436 χ^2/NDF : 28.4/34

All: 1.273 ± 0.995 χ^2/NDF : 79.3/69

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

diff_bpm1Y_rms vs Slug



Right In: 6723.839 ± 1.946 $\chi^2/\text{NDF}: 1392082.5/16$

Left Out: 5875.429 ± 1.191 $\chi^2/\text{NDF}: 1666830.4/17$

+ sign 6106.573 ± 1.016 $\chi^2/\text{NDF}: 3197206.8/34$

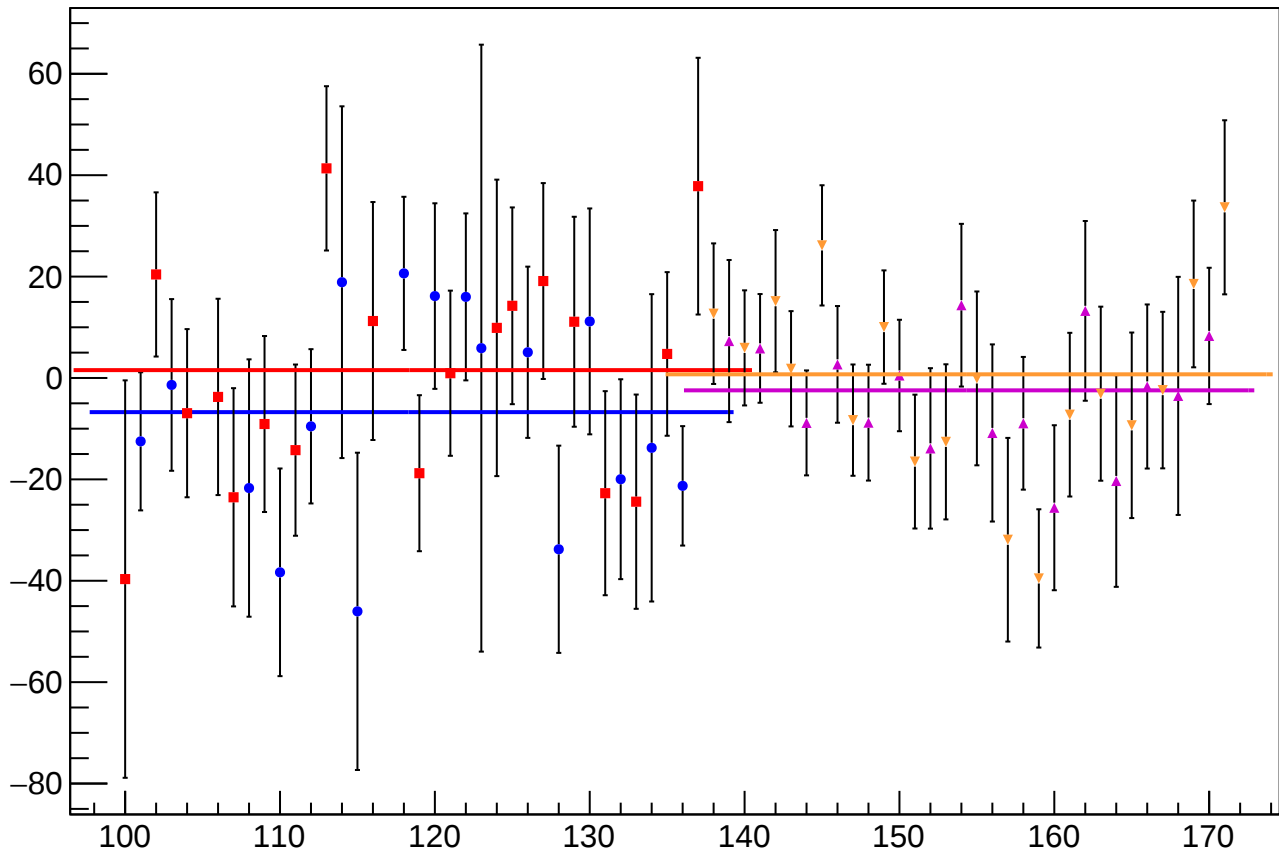
Right Out: 5843.829 ± 1.725 $\chi^2/\text{NDF}: 2277223.8/18$

All: 5875.082 ± 0.703 $\chi^2/\text{NDF}: 7660595.5/69$

Left In: 5576.276 ± 1.182 $\chi^2/\text{NDF}: 2069988.8/15$

- sign 5661.791 ± 0.975 $\chi^2/\text{NDF}: 4363588.9/34$

diff_bpm11X_mean vs Slug



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

Left Out: 0.723 ± 3.298 χ^2/NDF : 27.3/17

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

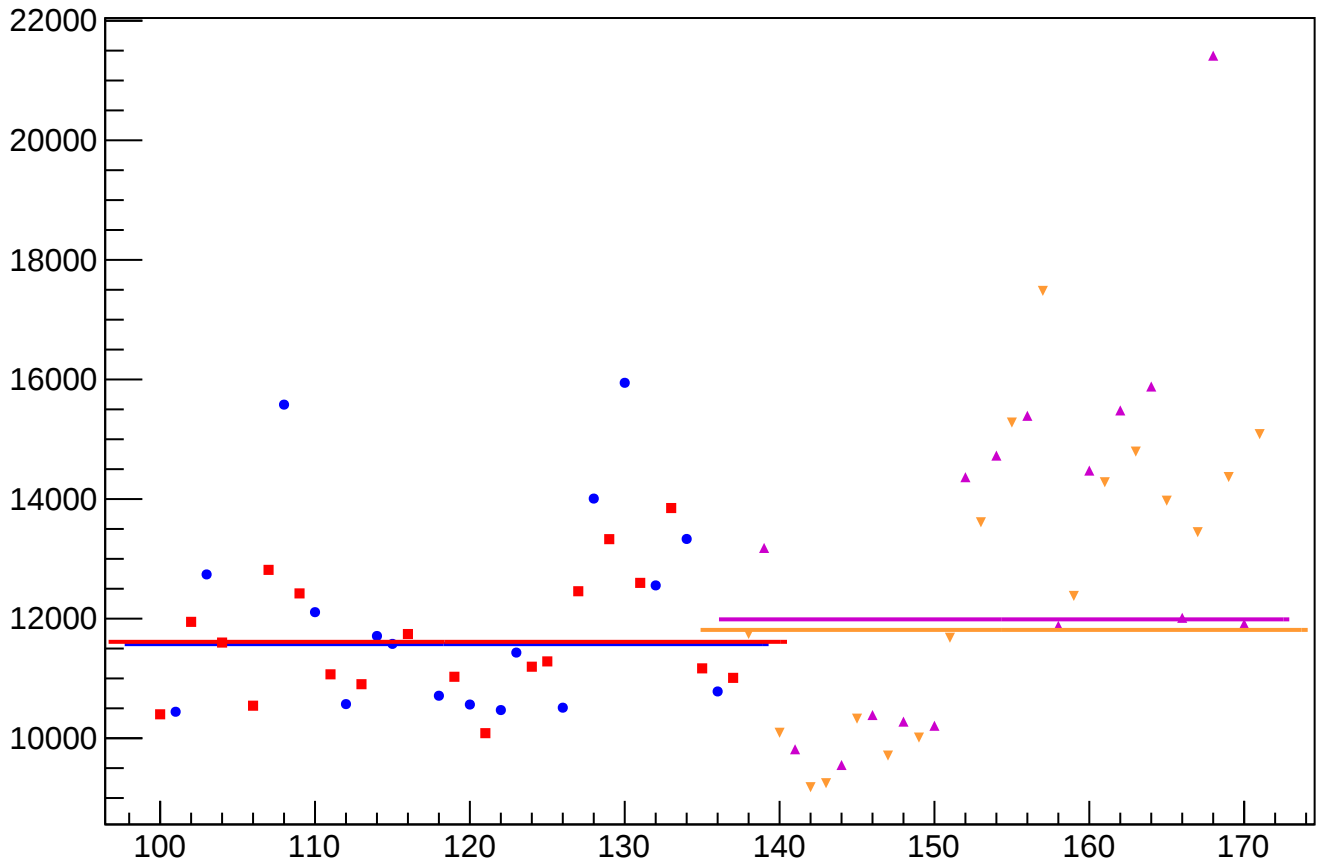
Left In: -2.440 ± 3.475 χ^2/NDF : 8.2/15

+ sign -1.873 ± 2.663 χ^2/NDF : 46.0/34

All: -1.395 ± 1.903 χ^2/NDF : 74.7/69

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

diff_bpm11X_rms vs Slug



Right In: 11573.490 $\pm$ 3.191 χ^2 /NDF: 238734.7/16

Left Out: 11811.651 $\pm$ 2.332 χ^2 /NDF: 925530.4/17

Right Out: 11612.220 $\pm$ 3.092 χ^2 /NDF: 94308.1/18

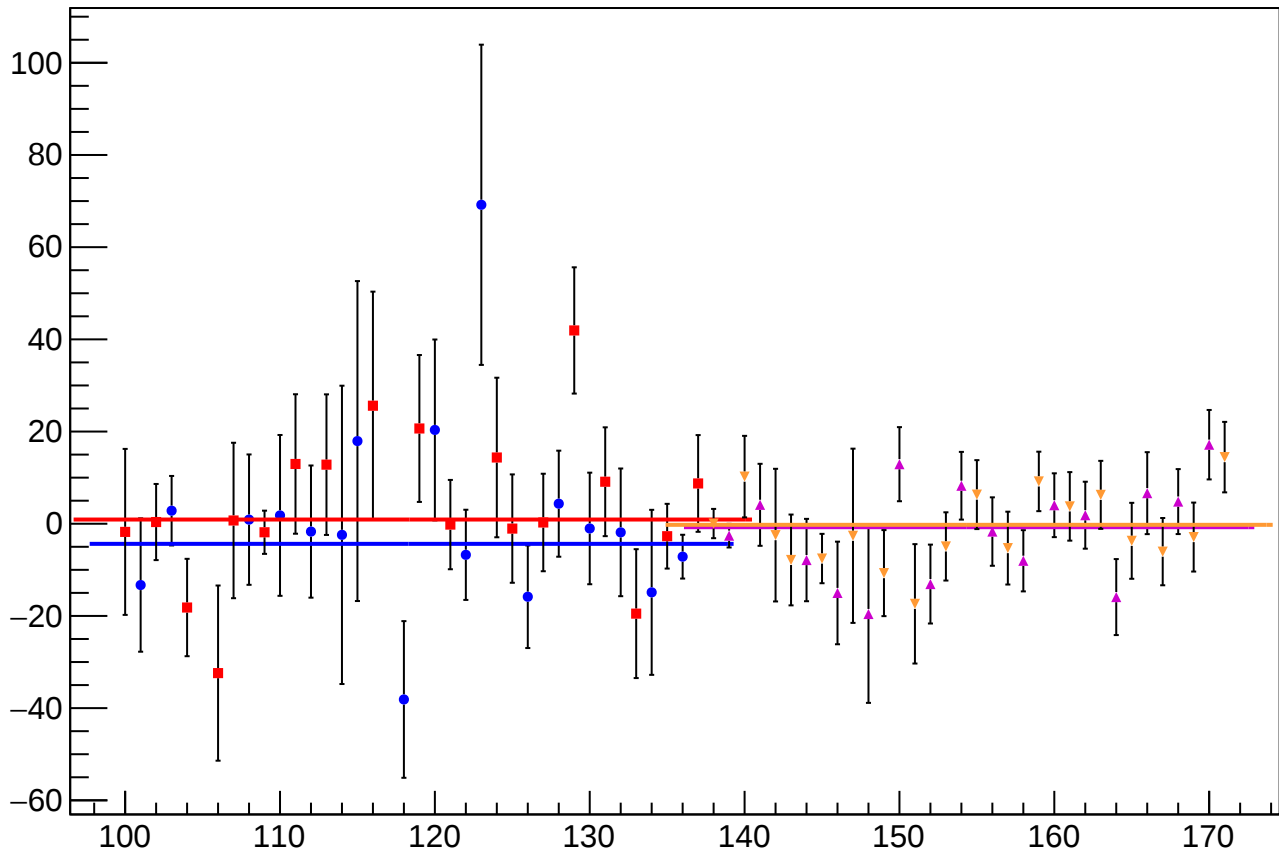
Left In: 11987.997 $\pm$ 2.457 χ^2 /NDF: 1035774.5/15

+ sign 11728.746 $\pm$ 1.883 χ^2 /NDF: 1167896.2/34

All: 11784.427 $\pm$ 1.345 χ^2 /NDF: 2308820.9/6

- sign 11842.545 $\pm$ 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: -0.235 ± 1.659 χ^2/NDF : 16.3/17

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

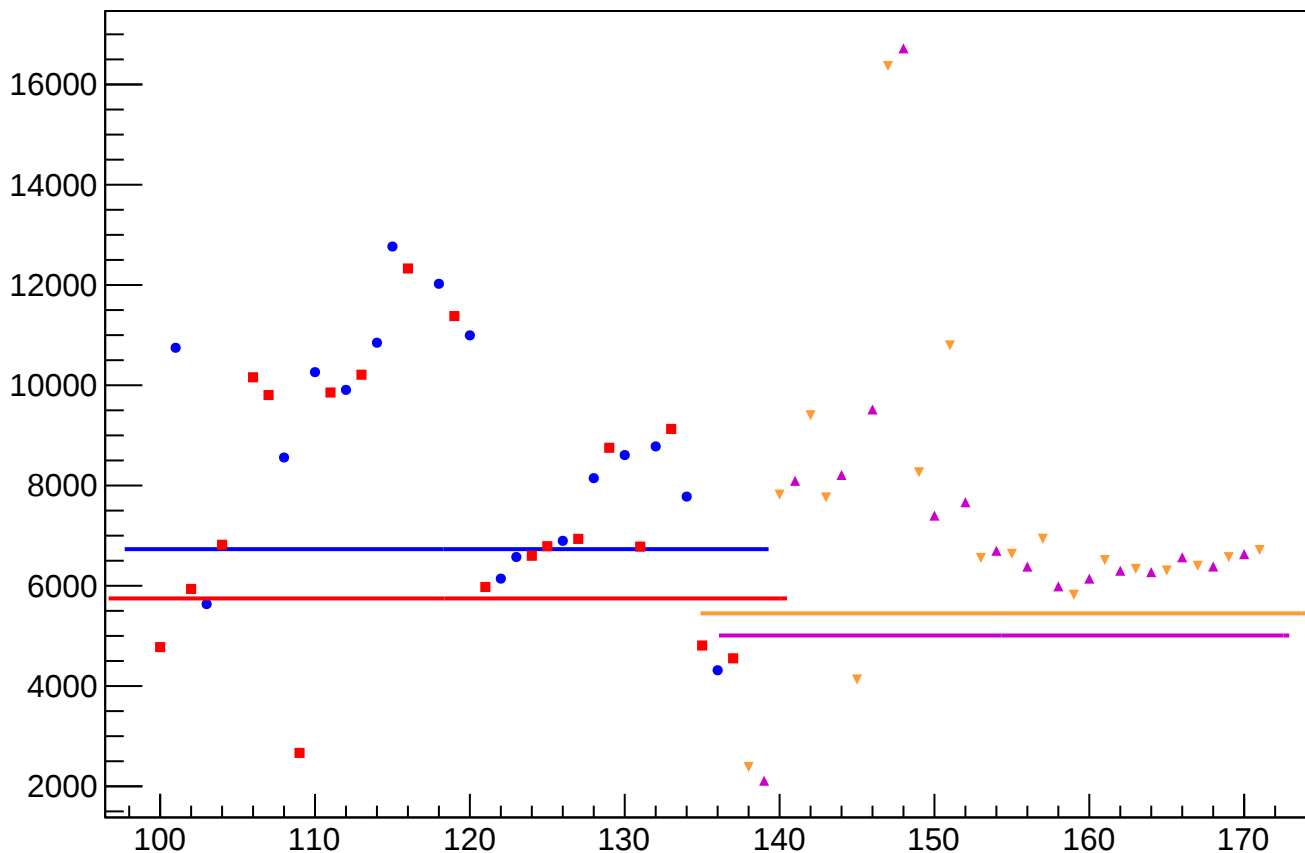
Left In: -0.749 ± 1.618 χ^2/NDF : 22.7/15

+ sign -1.321 ± 1.424 χ^2/NDF : 32.5/34

All: -0.749 ± 0.978 χ^2/NDF : 79.3/69

- 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: 5450.088 $\pm$ 1.173 χ^2 /NDF:3973985.1/17

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

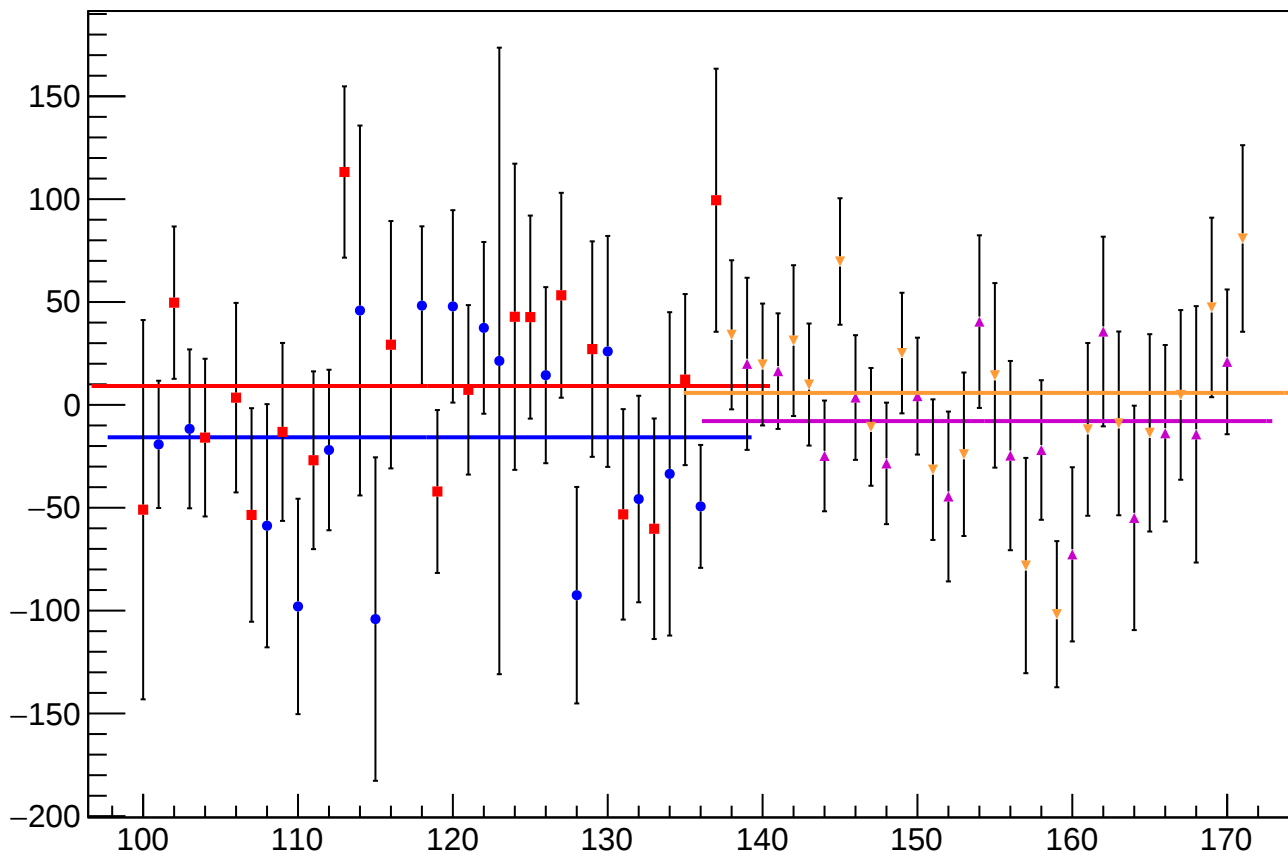
Left In: 5008.579 $\pm$ 1.144 χ^2 /NDF:5105491.1/15

+ sign 5787.134 $\pm$ 1.007 χ^2 /NDF: 5732782.7/34

All: 5496.166 $\pm$ 0.692 χ^2 /NDF: 13287010.6/6

- 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: 5.828 ± 8.616 χ^2/NDF : 24.0/17

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

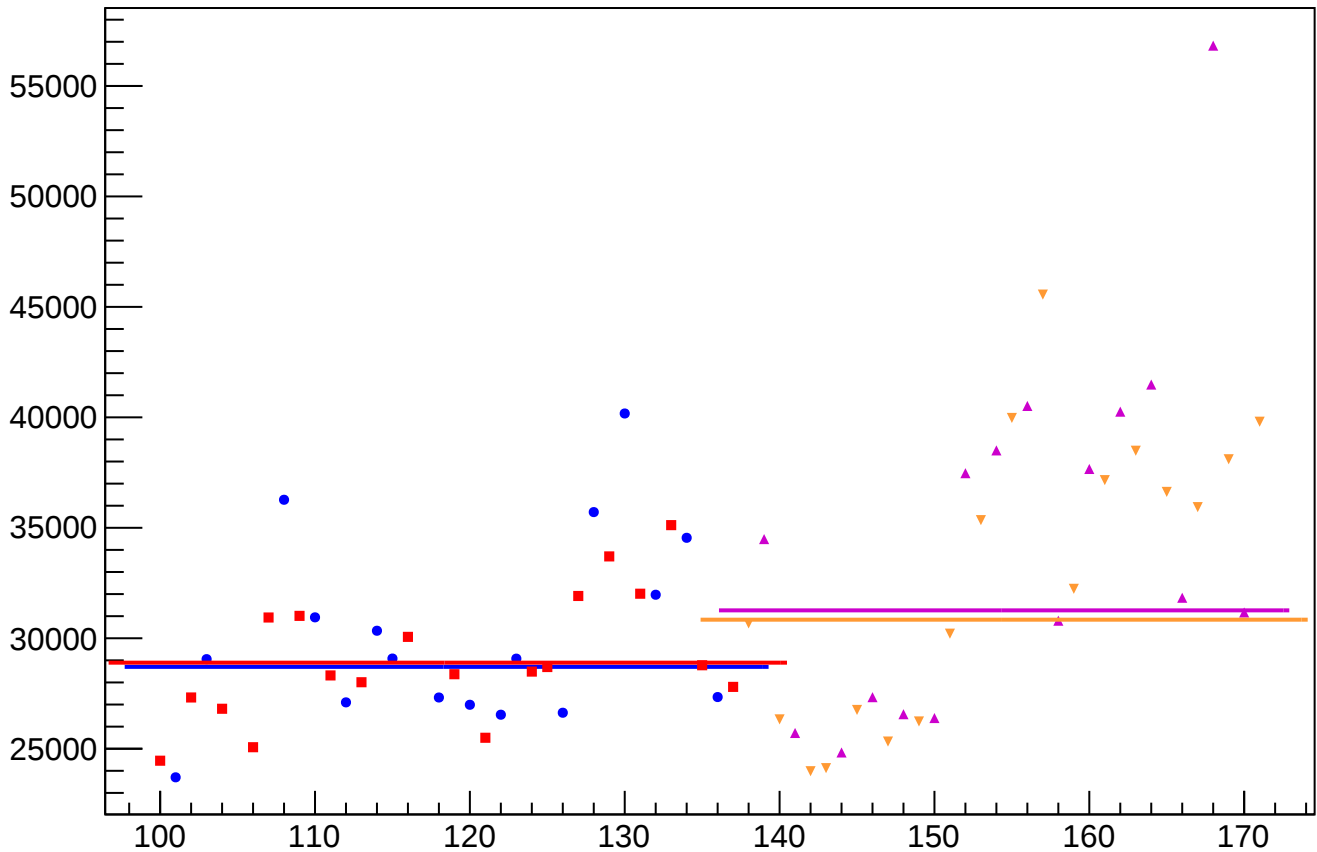
Left In: -7.879 ± 9.066 χ^2/NDF : 9.5/15

+ sign -2.187 ± 6.831 χ^2/NDF : 42.3/34

All: -1.554 ± 4.878 χ^2/NDF : 72.5/69

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

diff_bpm12X_rms vs Slug



Right In: 28705.569+/-7.925 χ^2/NDF : 250992.5/16

Left Out: 30841.075+/-6.092 χ^2/NDF : 945696.1/17

Right Out: 28895.535+/-7.700 χ^2/NDF : 111212.6/18

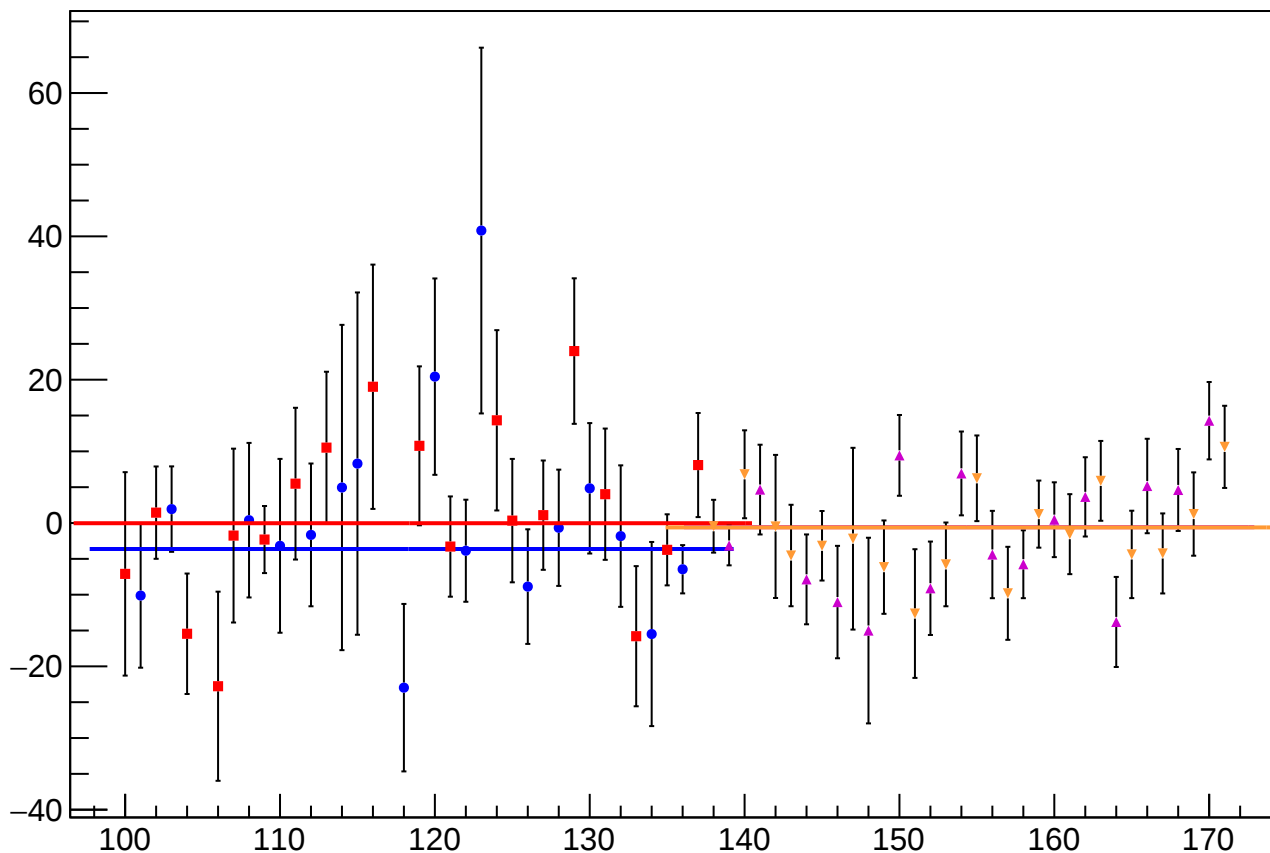
Left In: 31263.158+/-6.411 χ^2/NDF : 1062607.3/15

+ sign 30047.857+/-4.830 χ^2/NDF : 1242330.2/34

All: 30168.395+/-3.449 χ^2/NDF : 2473261.4/6

- sign 30293.815+/-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: -0.614 ± 1.380 χ^2/NDF : 15.0/17

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

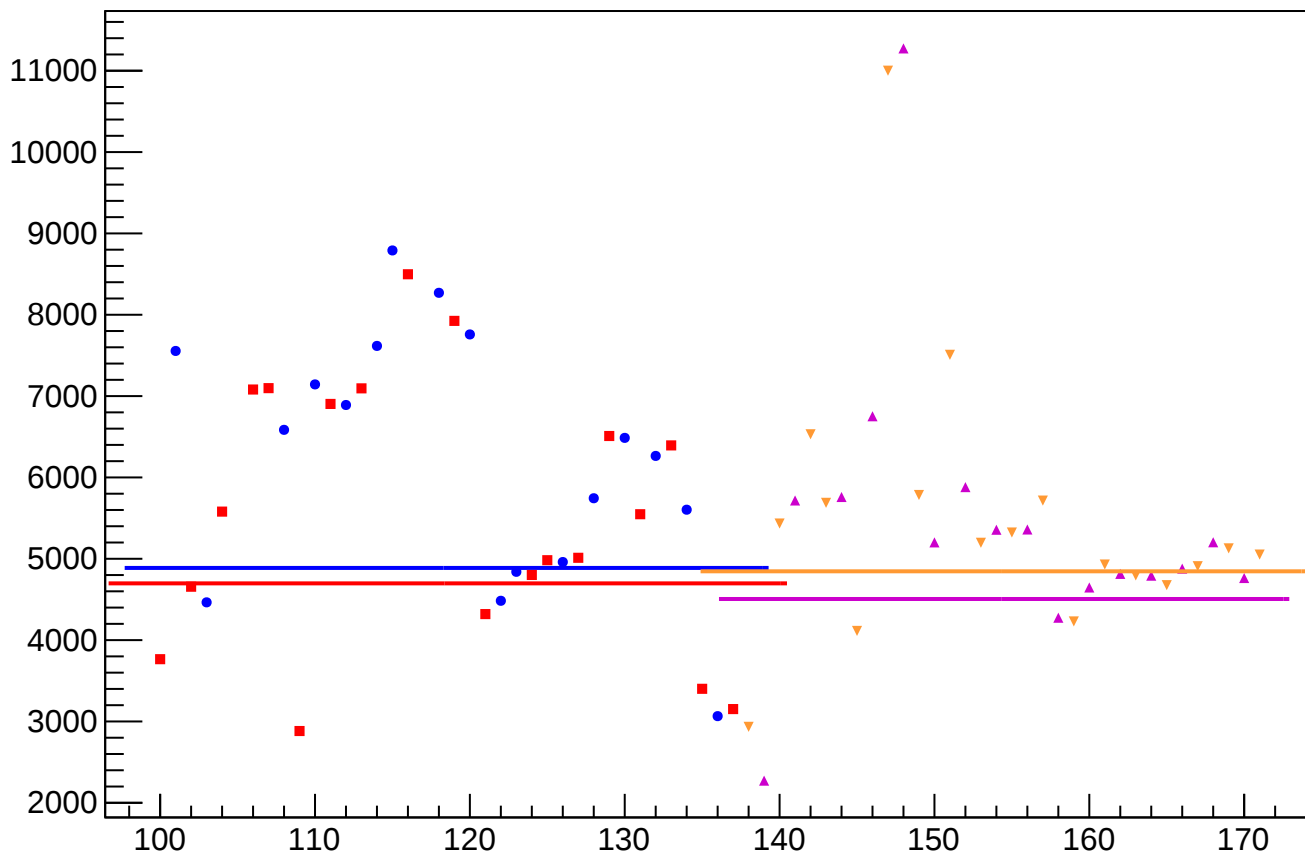
Left In: -0.582 ± 1.357 χ^2/NDF : 28.2/15

+ sign -1.581 ± 1.137 χ^2/NDF : 30.2/34

All: -0.969 ± 0.792 χ^2/NDF : 81.2/69

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

diff_bpm12Y_rms vs Slug



Right In: 4887.515 $\pm$ 1.418 χ^2 /NDF: 1409296.8/16

Left Out: 4845.932 $\pm$ 0.976 χ^2 /NDF:1476492.8/17

Right Out: 4697.726 $\pm$ 1.336 χ^2 /NDF: 1313121.0/18

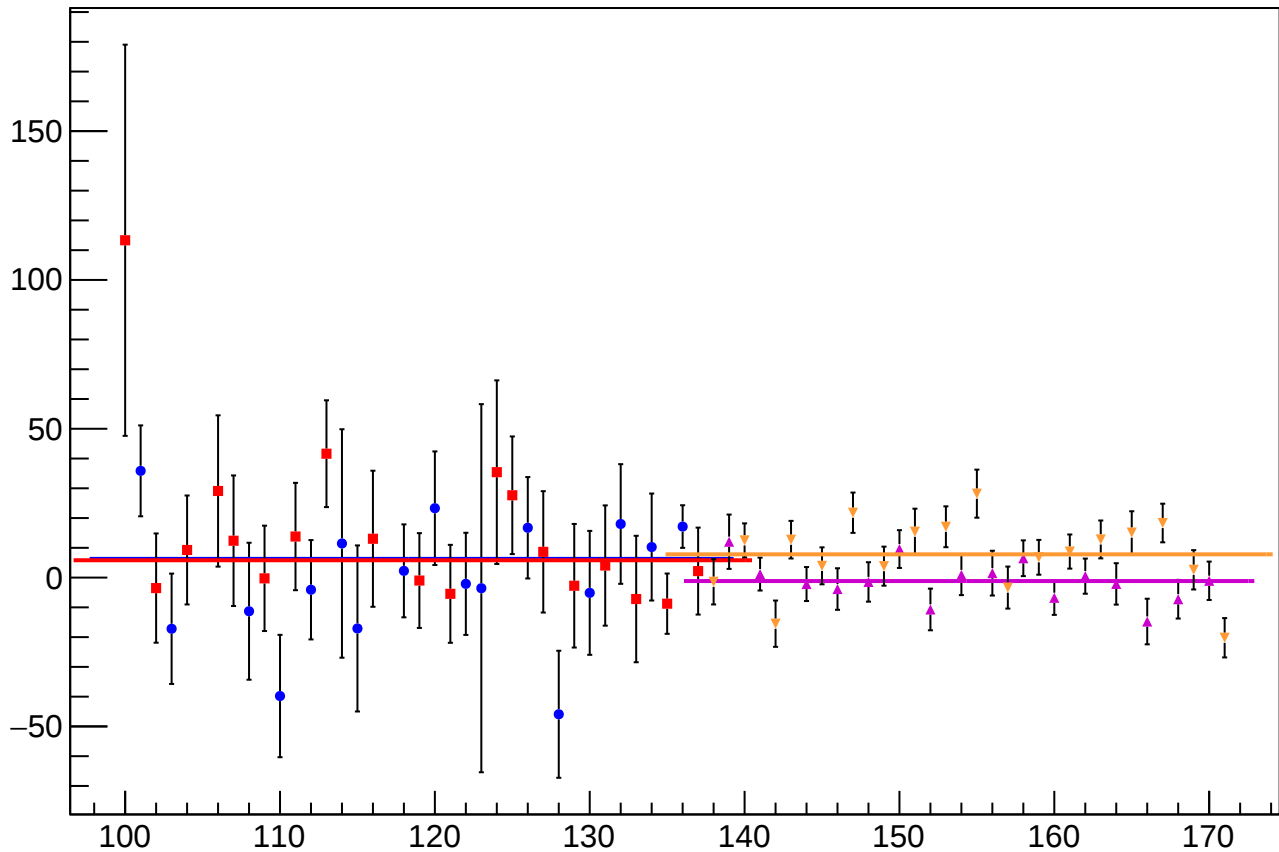
Left In: 4505.642 $\pm$ 0.960 χ^2 /NDF:2431637.1/15

+ sign 4859.293 $\pm$ 0.804 χ^2 /NDF: 2886372.9/34

All: 4710.709 $\pm$ 0.560 χ^2 /NDF: 6711015.3/69

- sign 4571.014 $\pm$ 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: 7.818 ± 1.567 χ^2/NDF : 51.4/17

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

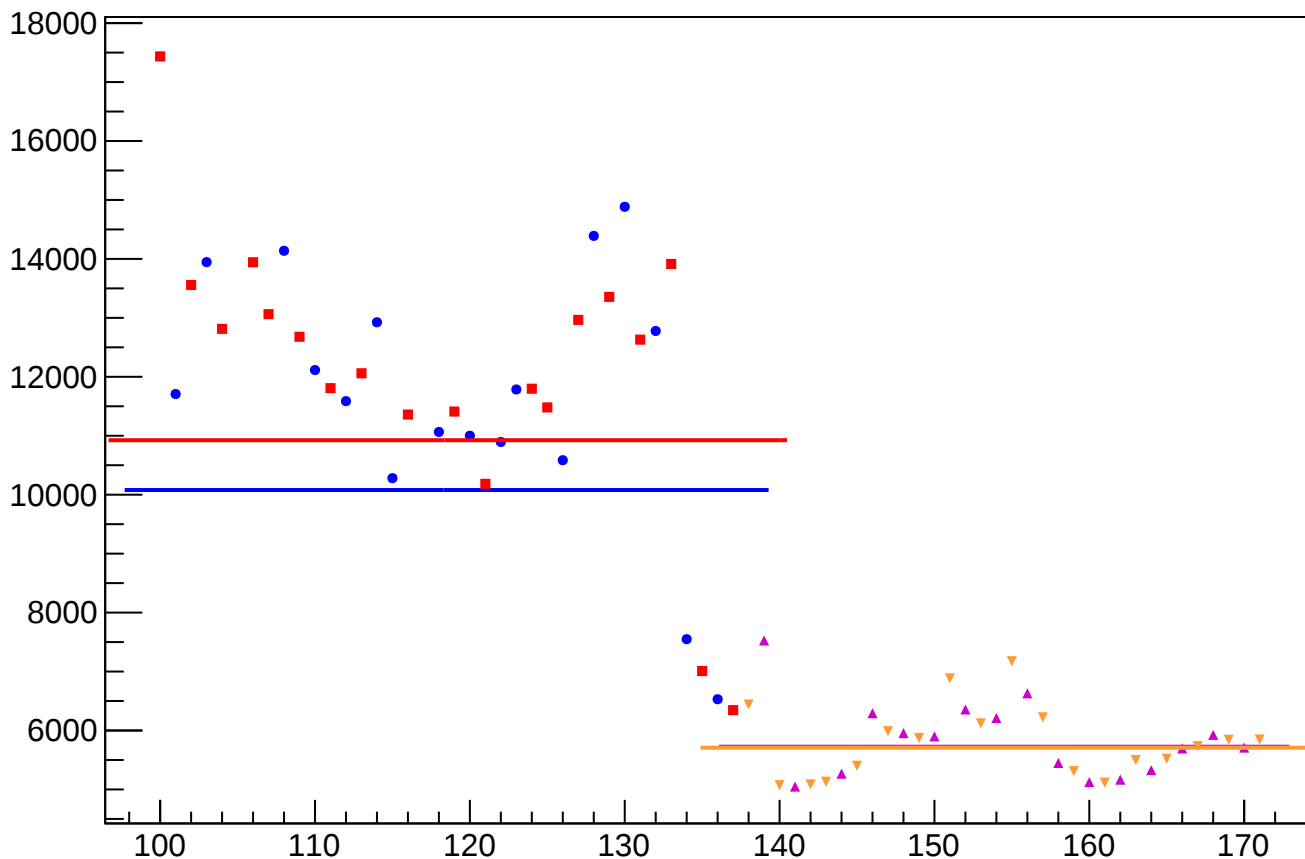
Left In: -1.159 ± 1.631 χ^2/NDF : 14.1/15

+ sign 7.619 ± 1.462 χ^2/NDF : 74.0/34

All: 3.842 ± 1.054 χ^2/NDF : 118.2/69

- 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: 5708.135 $\pm$ 1.108 χ^2 /NDF:248564.7/17

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

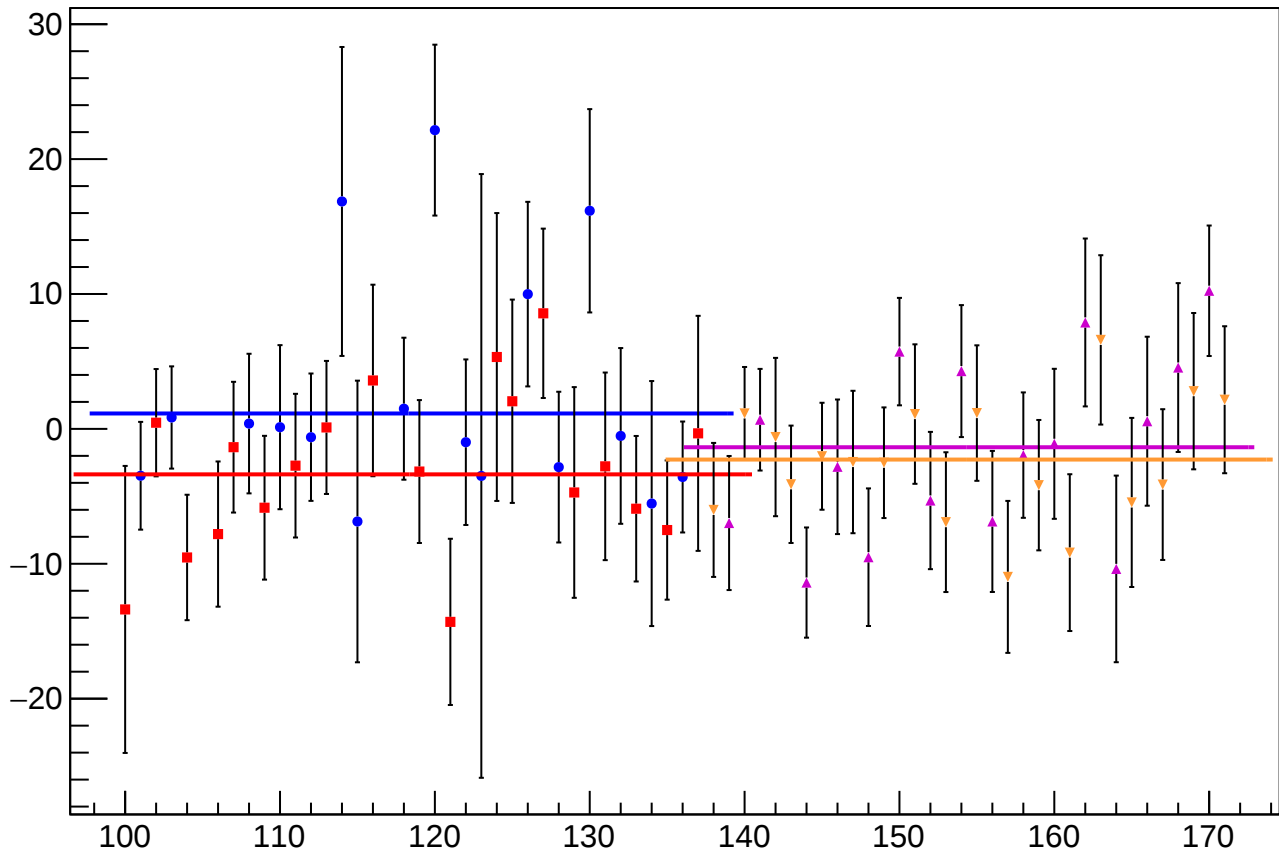
Left In: 5725.005 $\pm$ 1.154 χ^2 /NDF:246162.1/15

+ sign 6273.914 $\pm$ 1.034 χ^2 /NDF: 3257547.1/34

All: 6335.098 $\pm$ 0.746 χ^2 /NDF: 6921866.0/69

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

diff_bpm16Y_mean vs Slug



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

Left Out: -2.274 ± 1.170 χ^2/NDF : 11.3/17

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

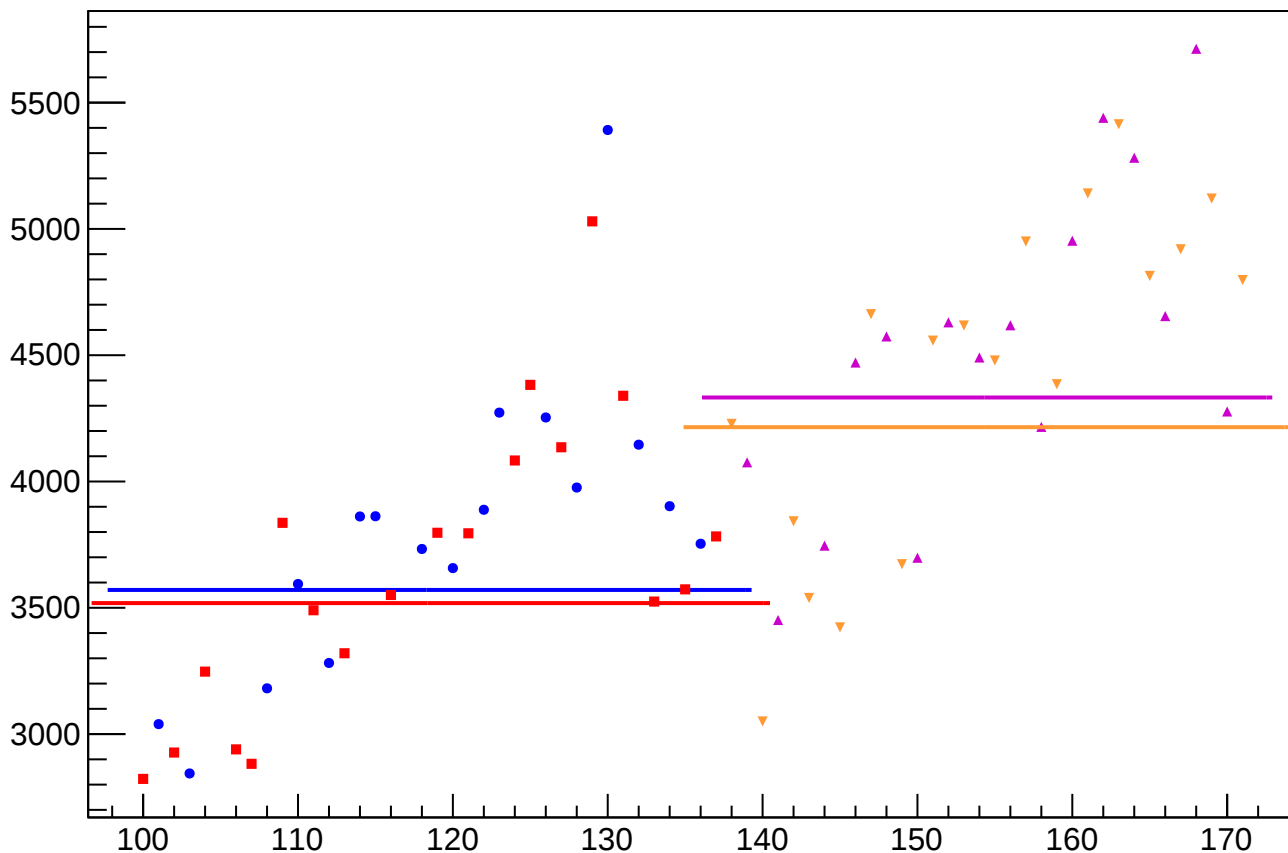
Left In: -1.361 ± 1.242 χ^2/NDF : 27.1/15

+ sign -0.863 ± 0.897 χ^2/NDF : 38.0/34

All: -1.569 ± 0.638 χ^2/NDF : 82.7/69

- 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: 4215.085+/-0.827 χ^2/NDF : 723184.2/17

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

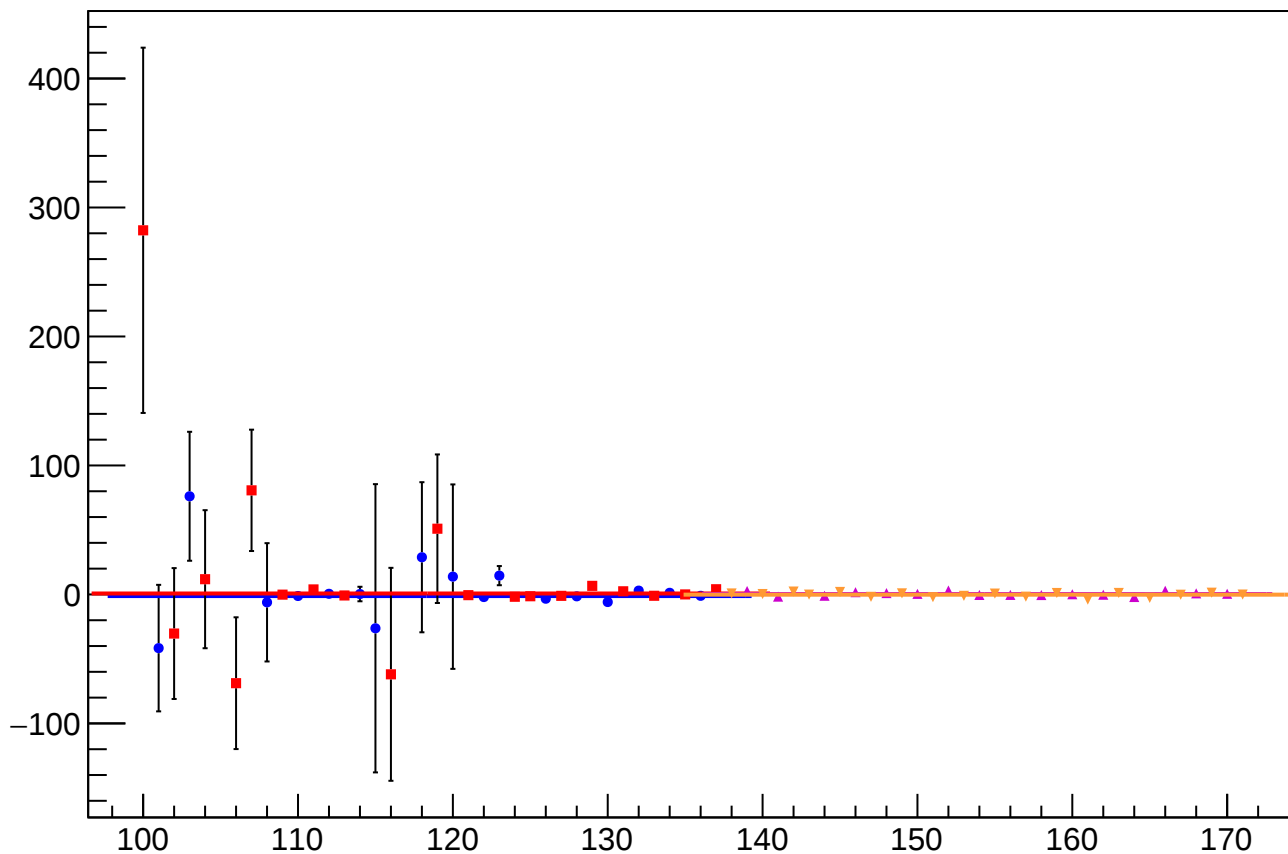
Left In: 4332.630+/-0.878 χ^2/NDF : 457614.3/15

+ sign 3948.998+/-0.634 χ^2/NDF : 1283202.3/34

All: 3951.718+/-0.451 χ^2/NDF : 2433364.4/69

- 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: -0.160 ± 0.288 χ^2/NDF : 31.7/17

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

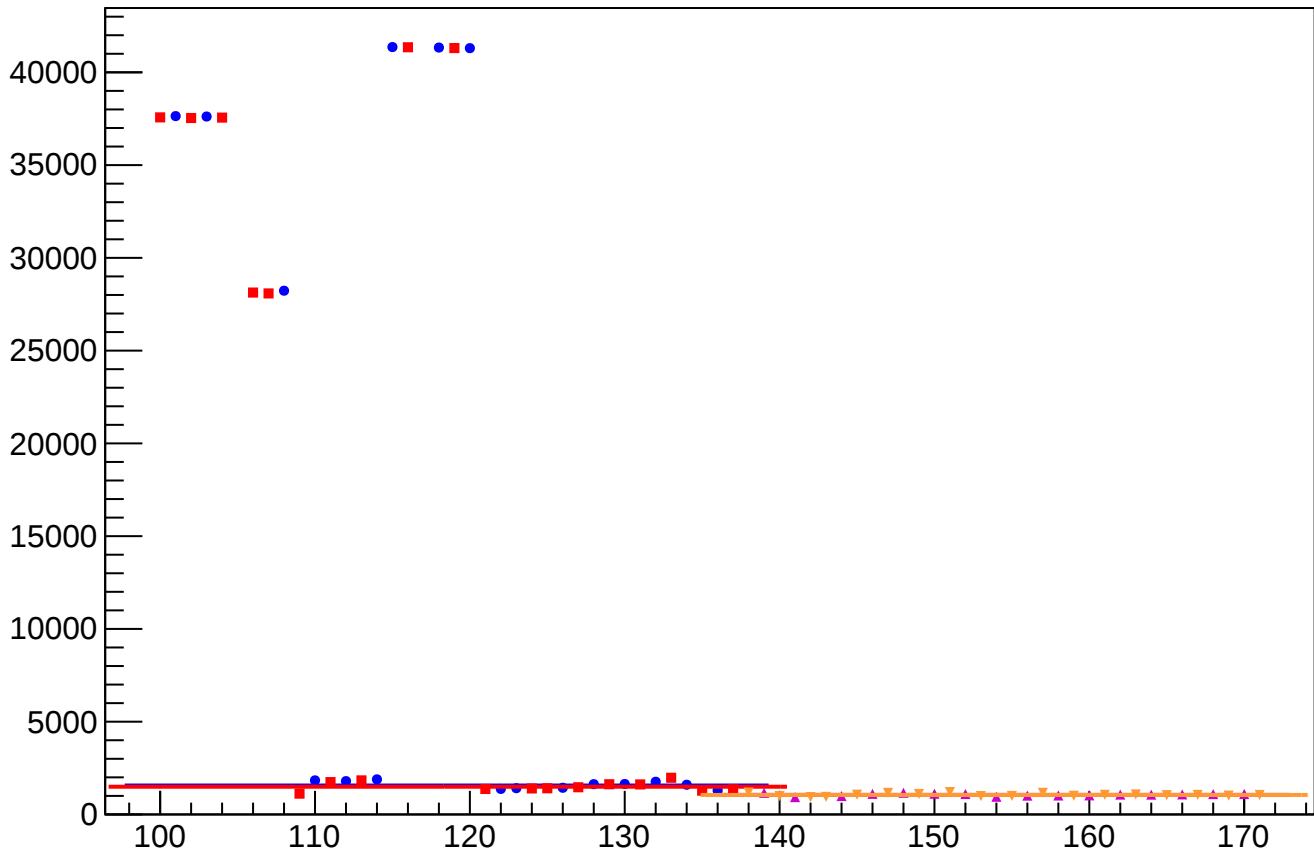
Left In: 0.290 ± 0.300 χ^2/NDF : 22.2/15

+ sign -0.302 ± 0.269 χ^2/NDF : 49.8/34

All: 0.018 ± 0.193 χ^2/NDF : 97.4/69

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

diff_bpm1p02bX_rms vs Slug



Right In: 1558.988+/-0.529 χ^2/NDF : 4753669.7/16

Left Out: 1051.851+/-0.203 χ^2/NDF : 131646.4/17

Right Out: 1494.619+/-0.502 χ^2/NDF : 4892920.0/18

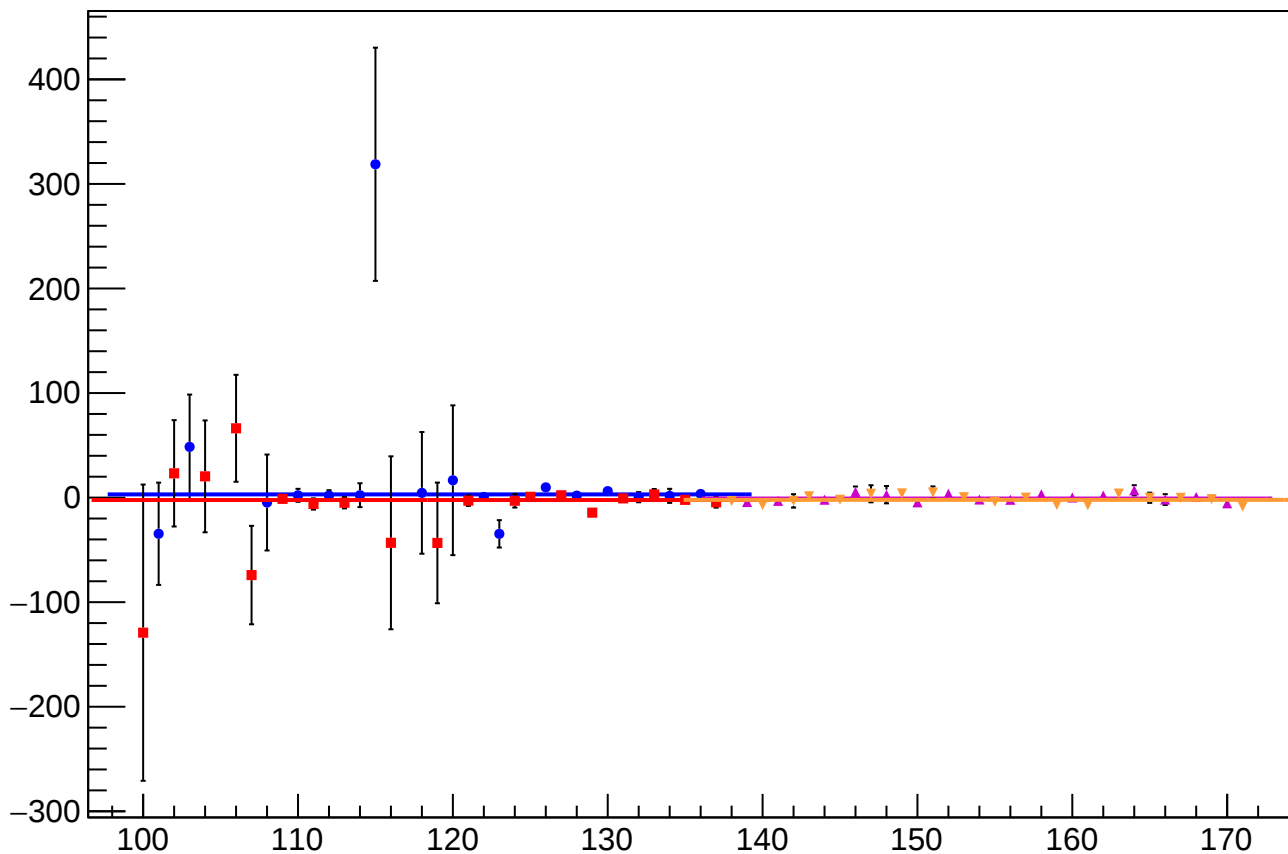
Left In: 1054.553+/-0.212 χ^2/NDF : 104925.1/15

+ sign 1117.256+/-0.190 χ^2/NDF : 5686394.8/34

All: 1119.111+/-0.136 χ^2/NDF : 11336089.4/6

- sign 1121.073+/-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: -2.149 ± 0.944 χ^2/NDF : 14.9/17

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

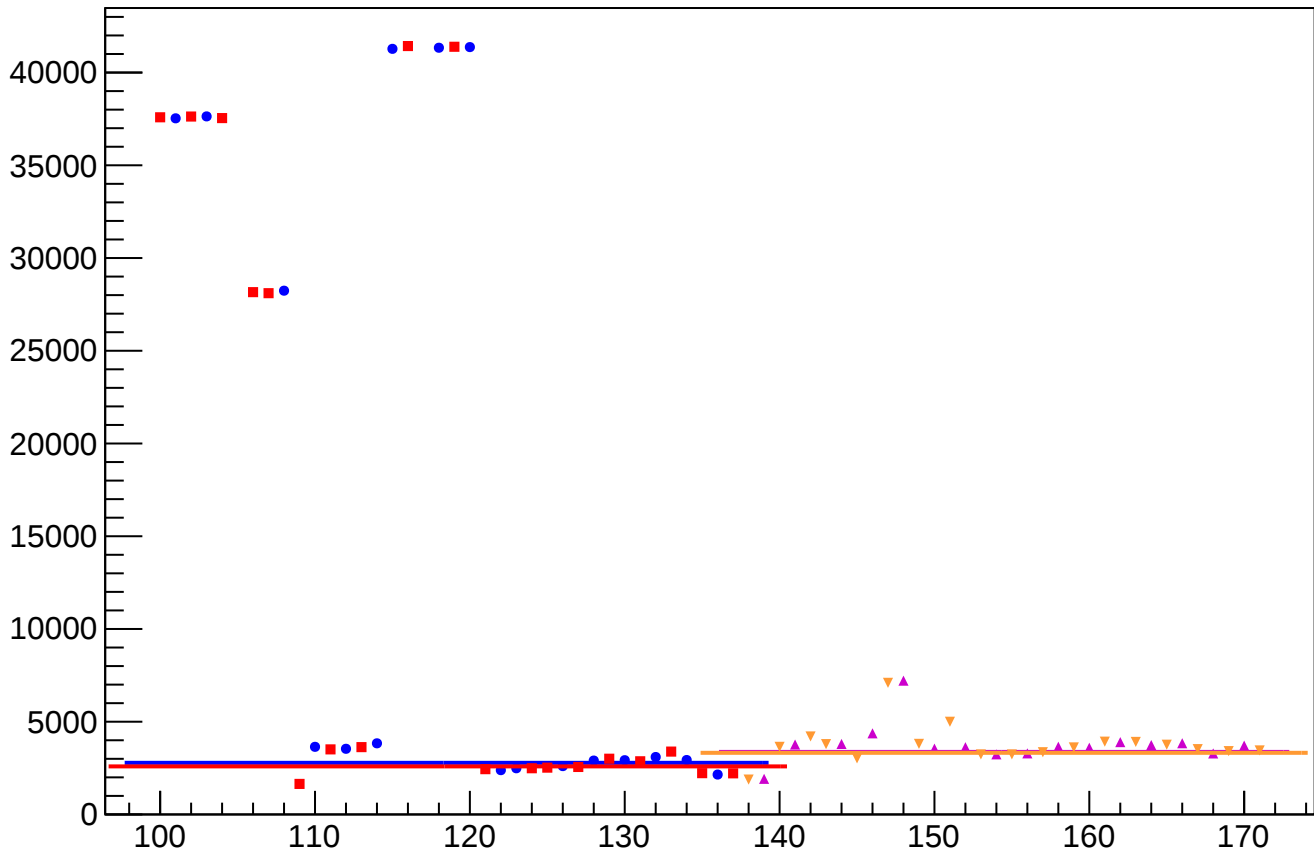
Left In: -0.881 ± 0.992 χ^2/NDF : 12.0/15

+ sign -0.387 ± 0.768 χ^2/NDF : 47.1/34

All: -0.910 ± 0.545 χ^2/NDF : 77.8/69

- 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: 3323.537+/-0.667 χ^2/NDF : 1620378.6/17

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

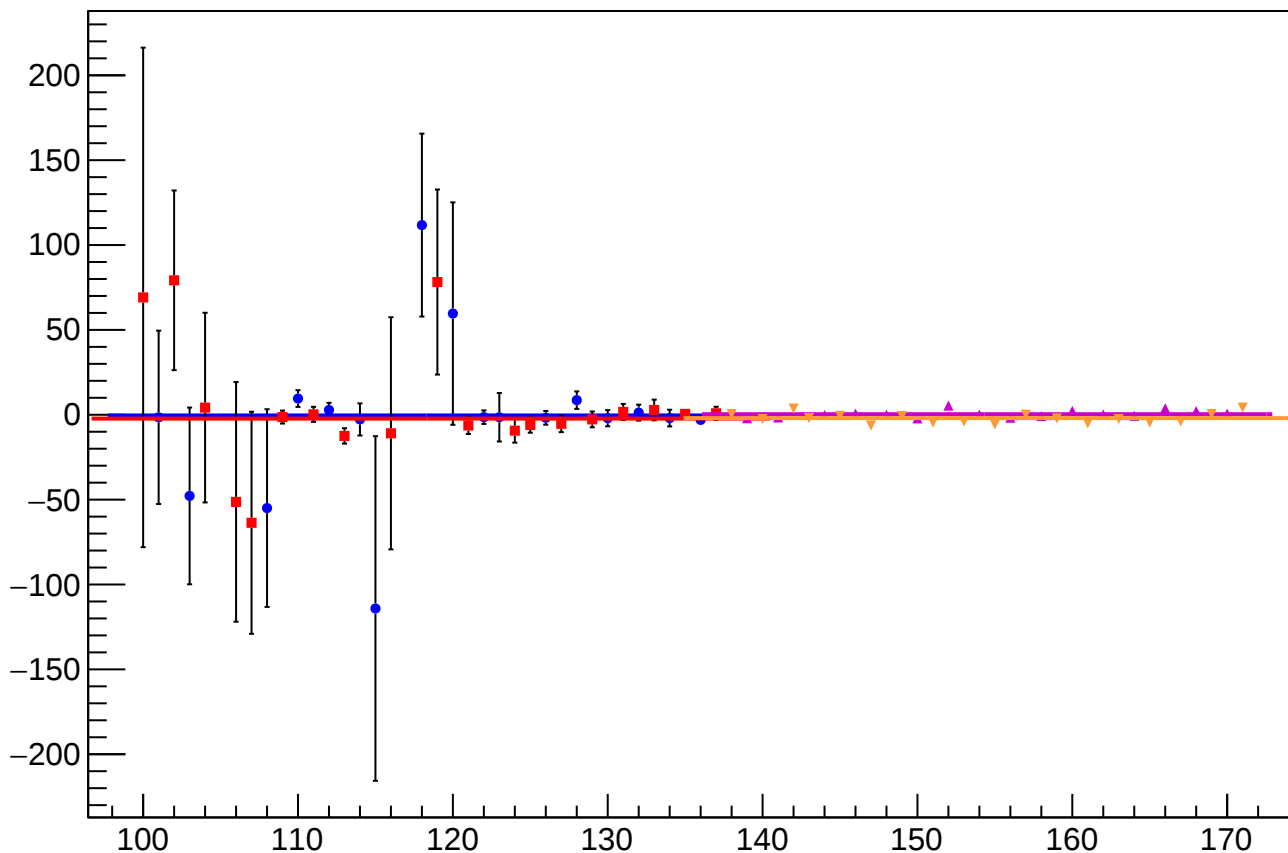
Left In: 3371.907+/-0.701 χ^2/NDF : 1402986.8/15

+ sign 3141.573+/-0.543 χ^2/NDF : 6418184.1/34

All: 3103.828+/-0.385 χ^2/NDF : 13163705.6/66

- 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: -1.968 ± 0.455 χ^2/NDF : 37.7/17

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

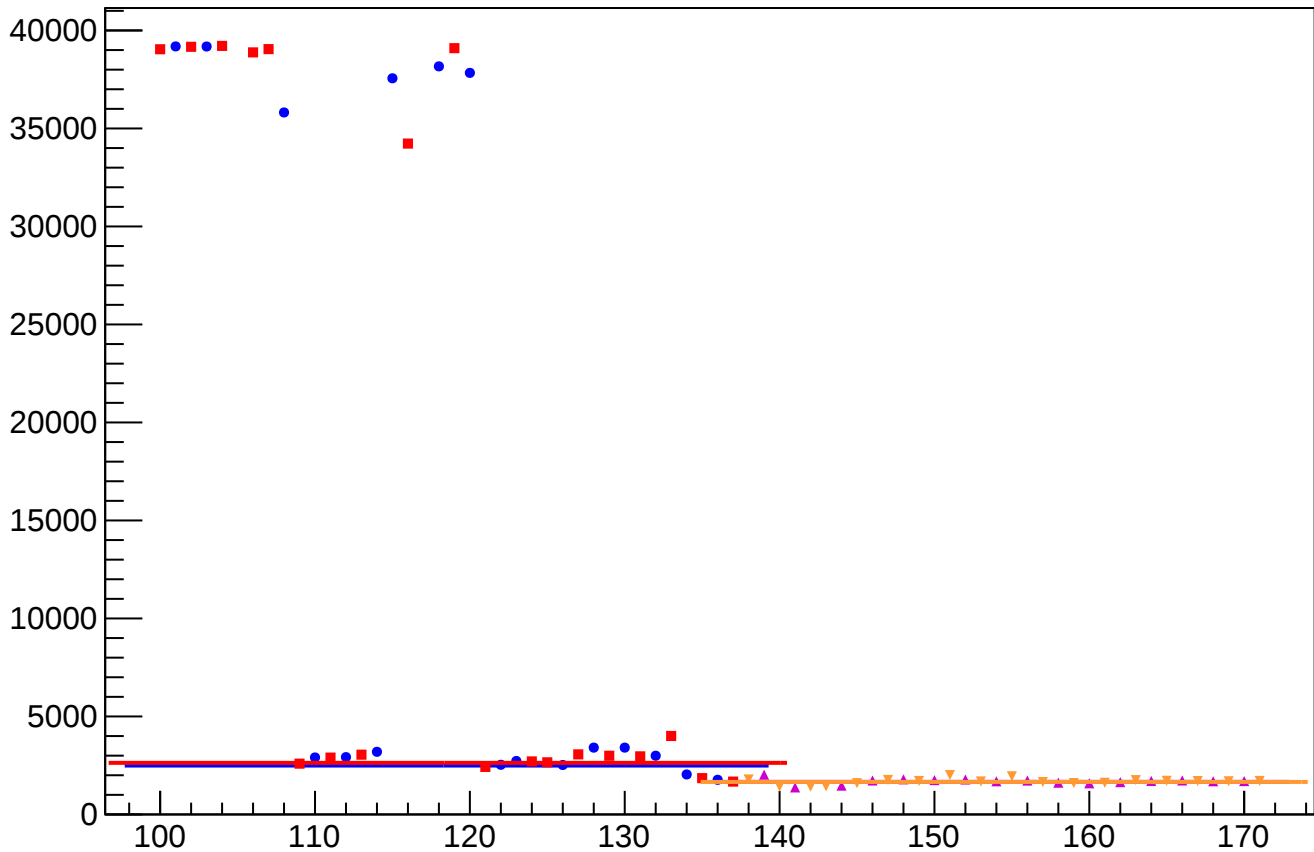
Left In: 0.335 ± 0.473 χ^2/NDF : 17.2/15

+ sign -1.776 ± 0.426 χ^2/NDF : 57.5/34

All: -0.916 ± 0.307 χ^2/NDF : 104.3/69

- 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: 1659.649 $\pm$ 0.322 χ^2 /NDF: 214473.5/17

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

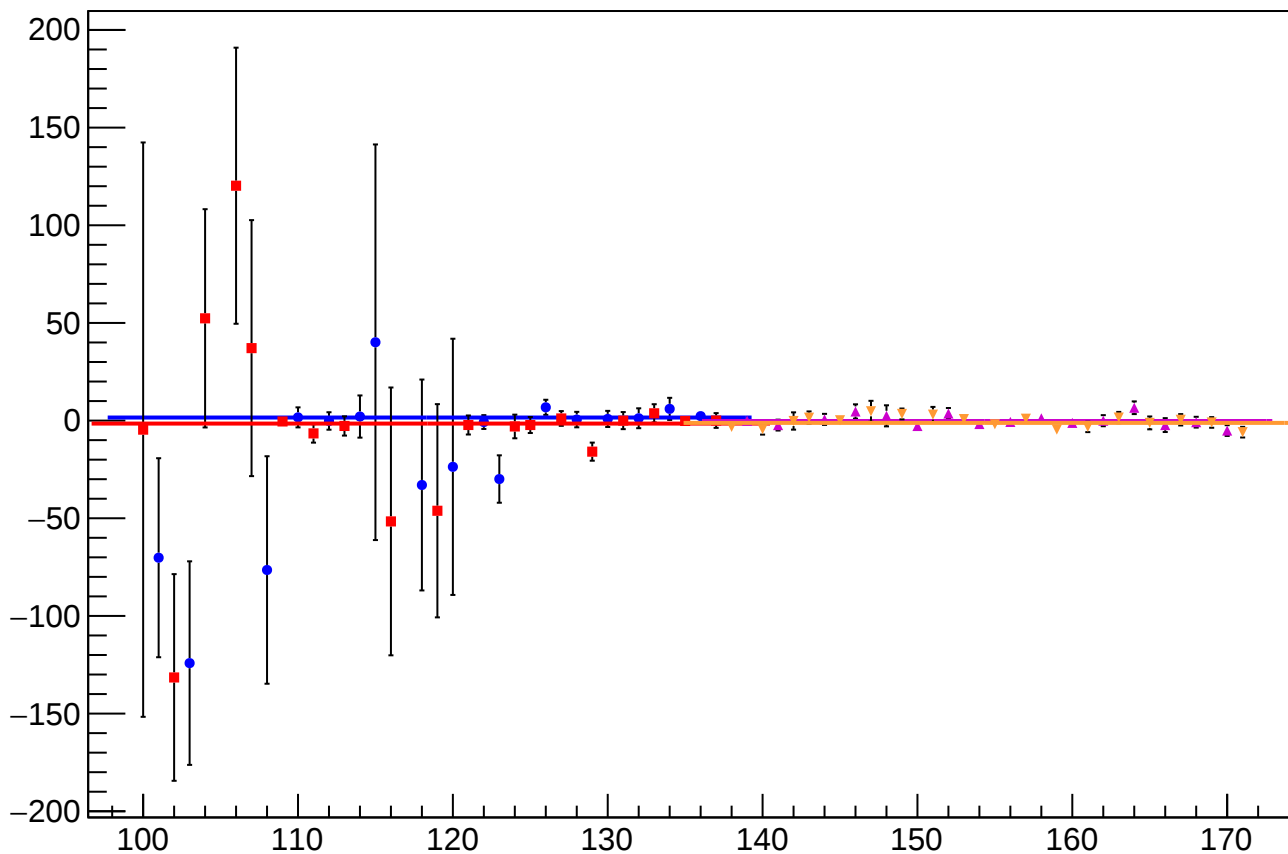
Left In: 1662.400 $\pm$ 0.335 χ^2 /NDF: 178188.0/15

+ sign 1762.040 $\pm$ 0.301 χ^2 /NDF: 5923751.8/34

All: 1772.994 $\pm$ 0.217 χ^2 /NDF: 12026463.0/6

- 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: -1.172 ± 0.626 χ^2/NDF : 18.0/17

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

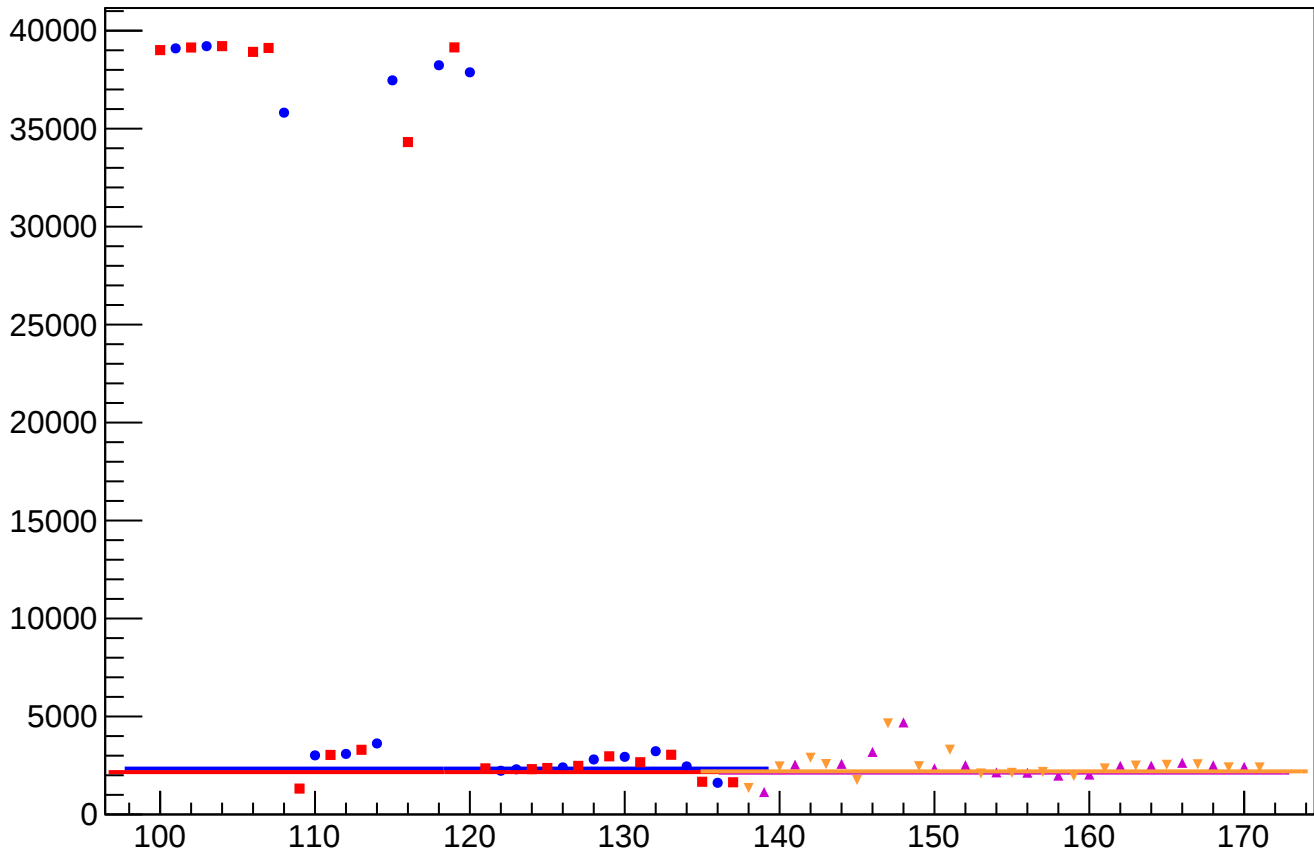
Left In: -0.213 ± 0.636 χ^2/NDF : 14.5/15

+ sign -0.537 ± 0.549 χ^2/NDF : 42.8/34

All: -0.548 ± 0.387 χ^2/NDF : 83.4/69

- 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: 2199.466+/-0.443 χ^2/NDF : 1402447.8/17

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

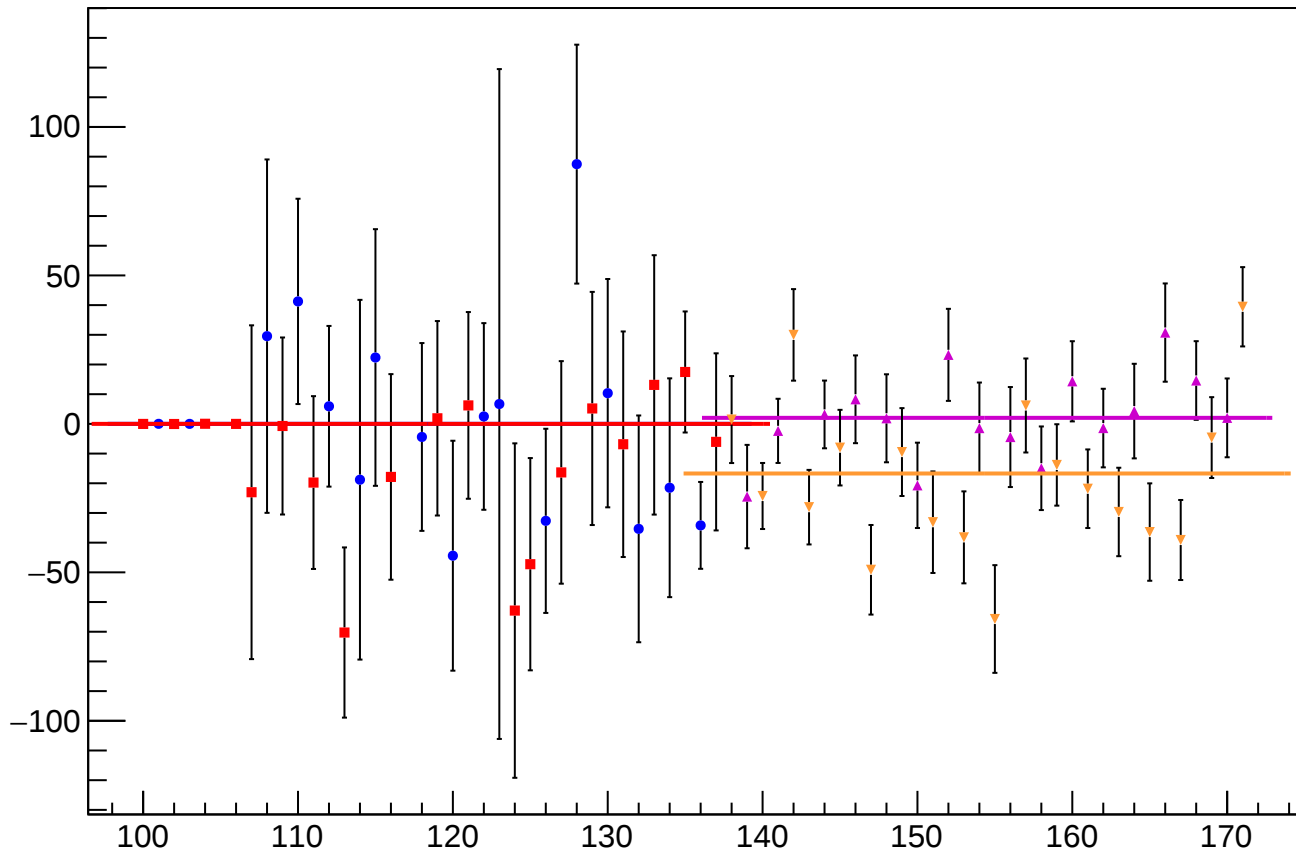
Left In: 2134.469+/-0.450 χ^2/NDF : 1943731.5/15

+ sign 2232.175+/-0.388 χ^2/NDF : 6432943.2/34

All: 2186.537+/-0.274 χ^2/NDF : 13704090.9/6

- 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: -16.709 ± 3.356 χ^2/NDF : 53.2/17

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

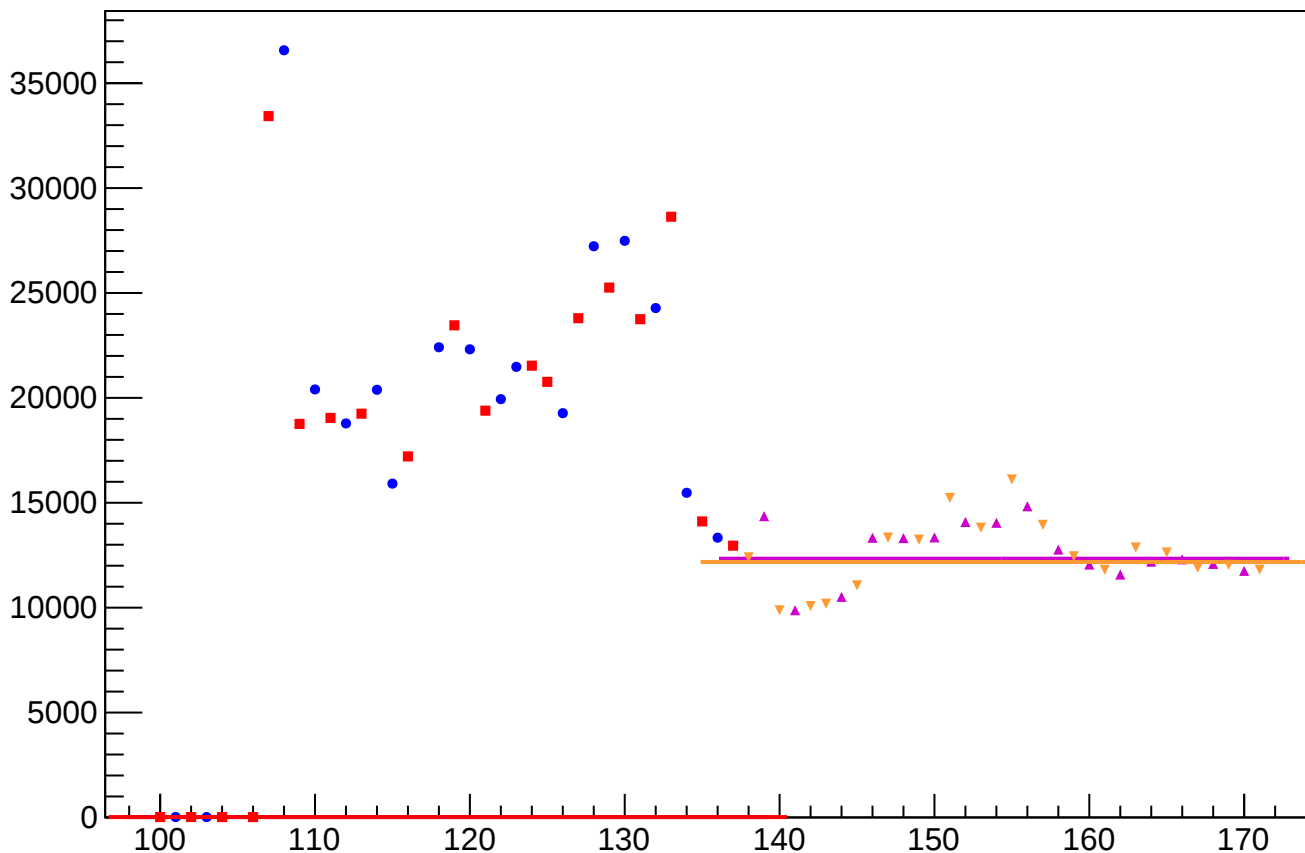
Left In: 2.035 ± 3.521 χ^2/NDF : 13.5/15

+ sign 0.013 ± 0.017 χ^2/NDF : 94.2/34

All: 0.008 ± 0.012 χ^2/NDF : 124.1/69

- 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: 12178.577 $\pm$ 2.373 χ^2 /NDF: 427127.2/17

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

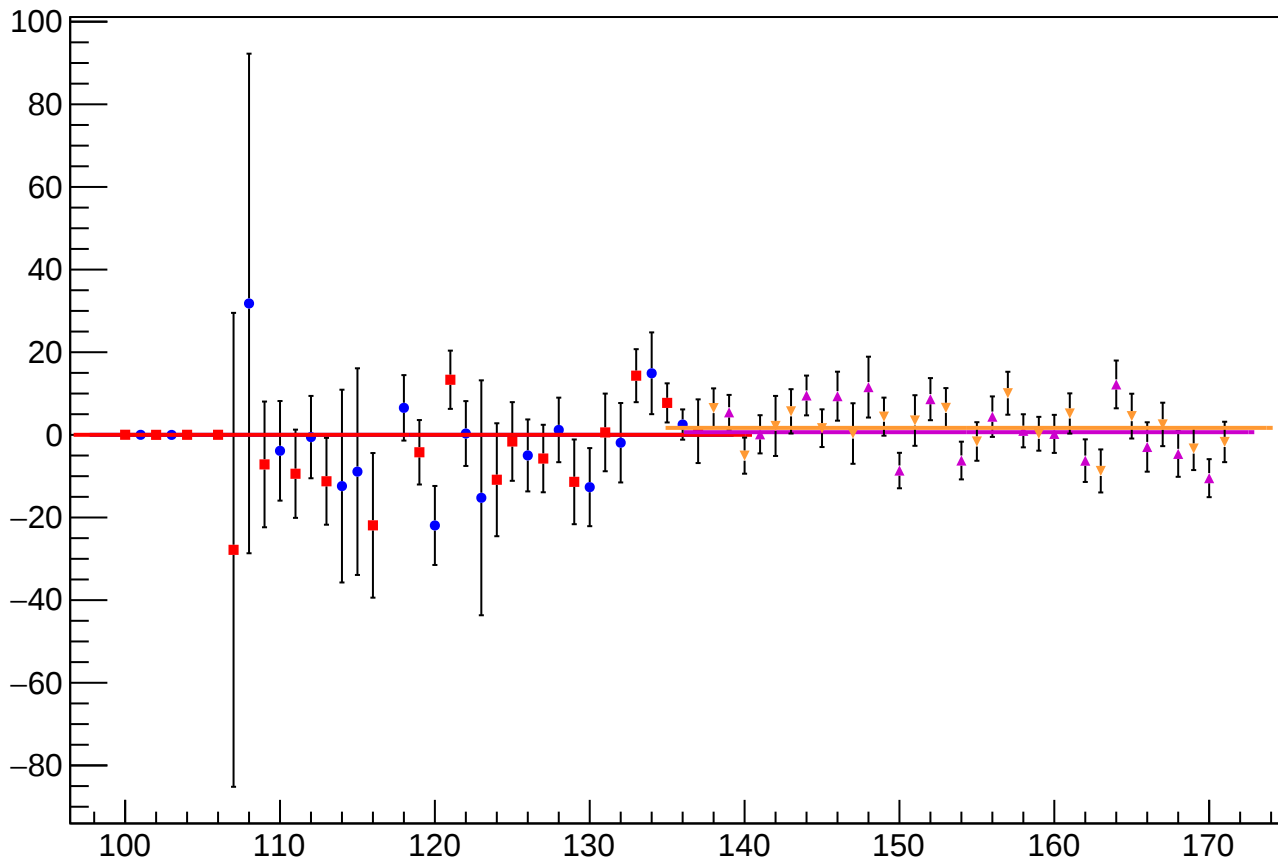
Left In: 12334.482 $\pm$ 2.490 χ^2 /NDF: 317488.7/15

+ sign 18.966 $\pm$ 0.012 χ^2 /NDF: 37673202.3/34

All: 18.752 $\pm$ 0.008 χ^2 /NDF: 73573139.2/69

- 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: 1.694 $\pm$ 1.191 χ^2 /NDF:14.9/17

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

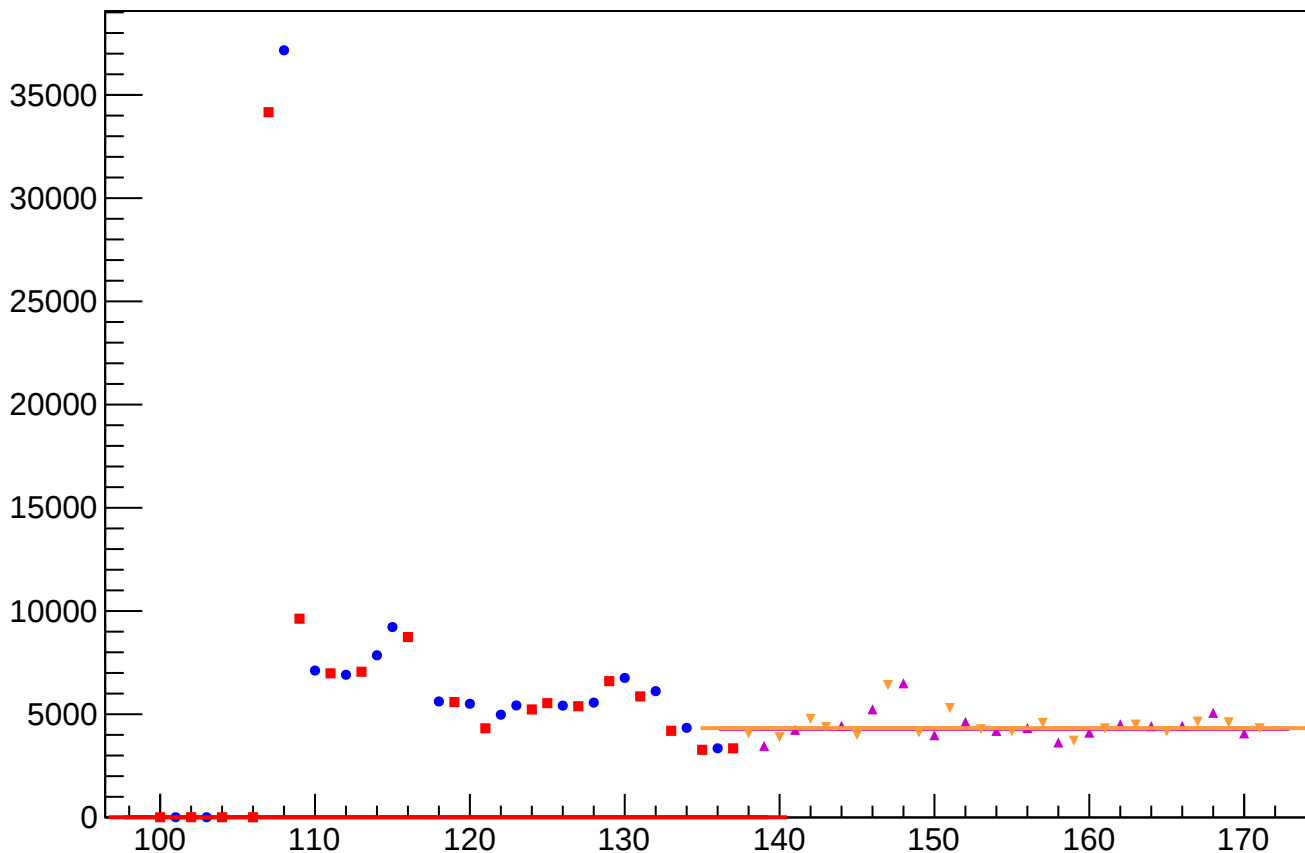
Left In: 0.650 $\pm$ 1.231 χ^2 /NDF:32.0/15

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 29.9/34

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 81.9/69

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

diff_cav4bY_rms vs Slug



Right In: 9.939 $\pm$ 0.007 χ^2 /NDF: 11114526.8/16

Left Out: 4326.864 $\pm$ 0.842 χ^2 /NDF:328394.6/17

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11159992.3/18

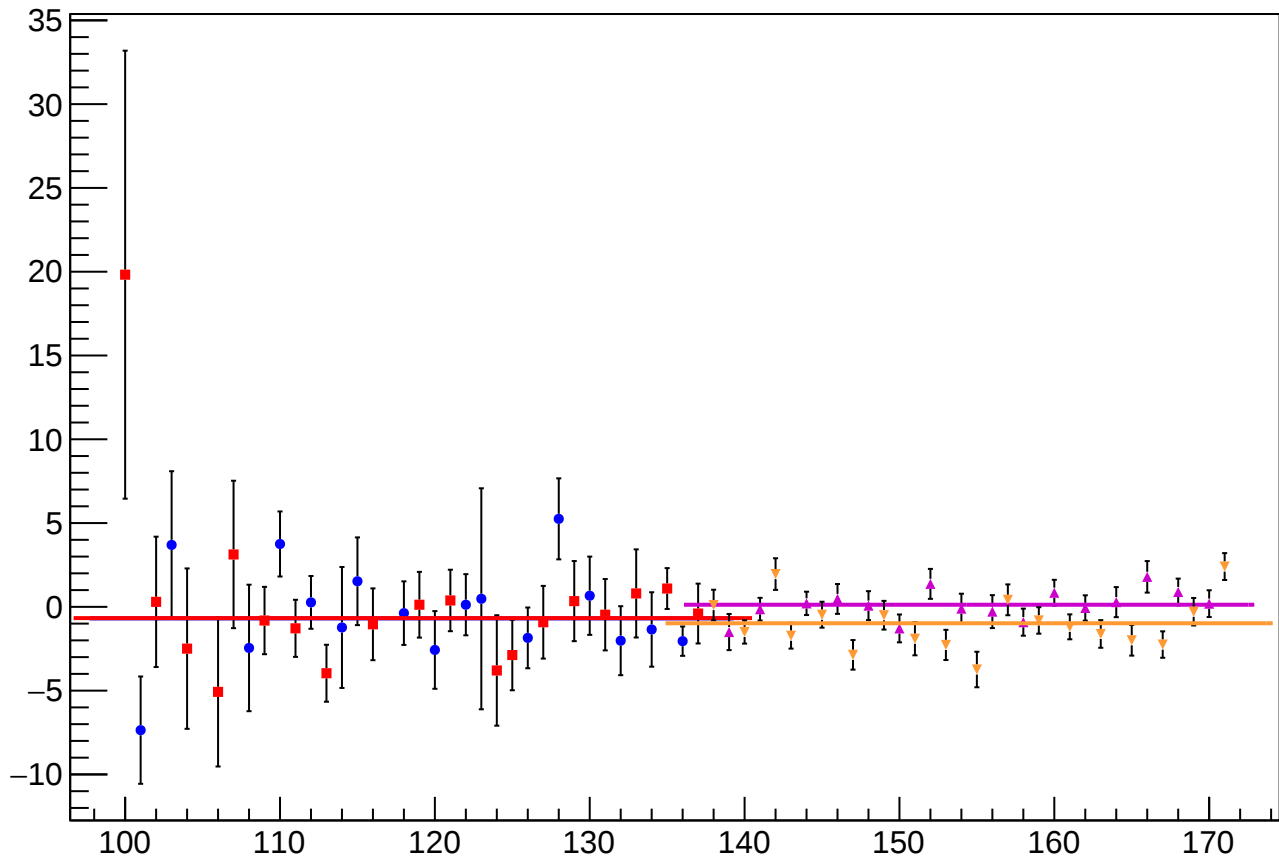
Left In: 4291.993 $\pm$ 0.870 χ^2 /NDF:435969.3/15

+ sign 10.197 $\pm$ 0.007 χ^2 /NDF: 37705232.8/34

All: 10.127 $\pm$ 0.004 χ^2 /NDF: 73512872.6/69

- sign 10.066 $\pm$ 0.006 χ^2 /NDF: 35807425.8/34

diff_cav4cX_mean vs Slug



Right In: -0.689 $\pm$ 0.482 χ^2/NDF : 22.5/16

Left Out: -0.979 $\pm$ 0.198 χ^2/NDF : 53.0/17

Right Out: -0.672 $\pm$ 0.501 χ^2/NDF : 13.3/18

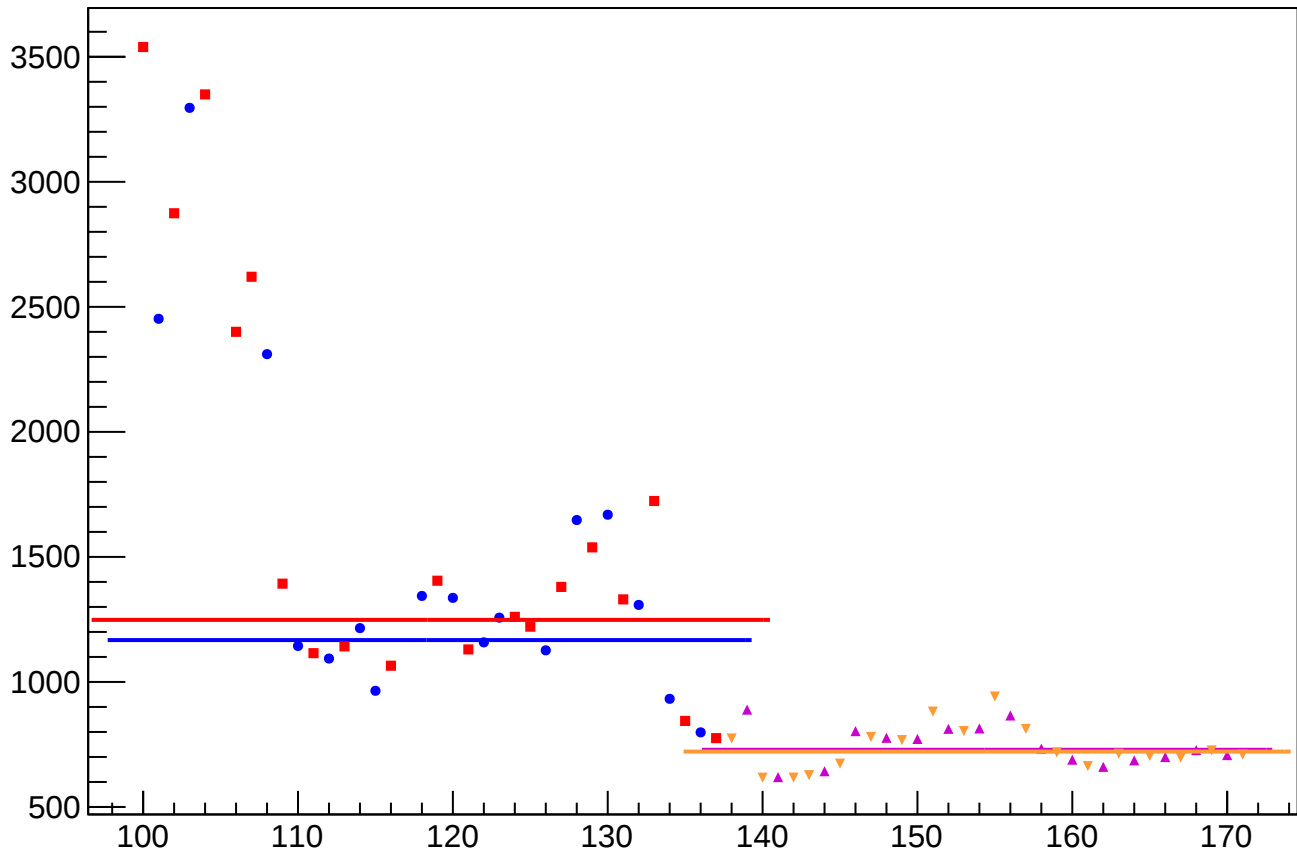
Left In: 0.126 $\pm$ 0.208 χ^2/NDF : 14.3/15

+ sign -0.937 $\pm$ 0.183 χ^2/NDF : 75.8/34

All: -0.485 $\pm$ 0.133 χ^2/NDF : 118.3/69

- sign 0.009 $\pm$ 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: 721.518 $\pm$ 0.140 χ^2 /NDF: 318136.6/17

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

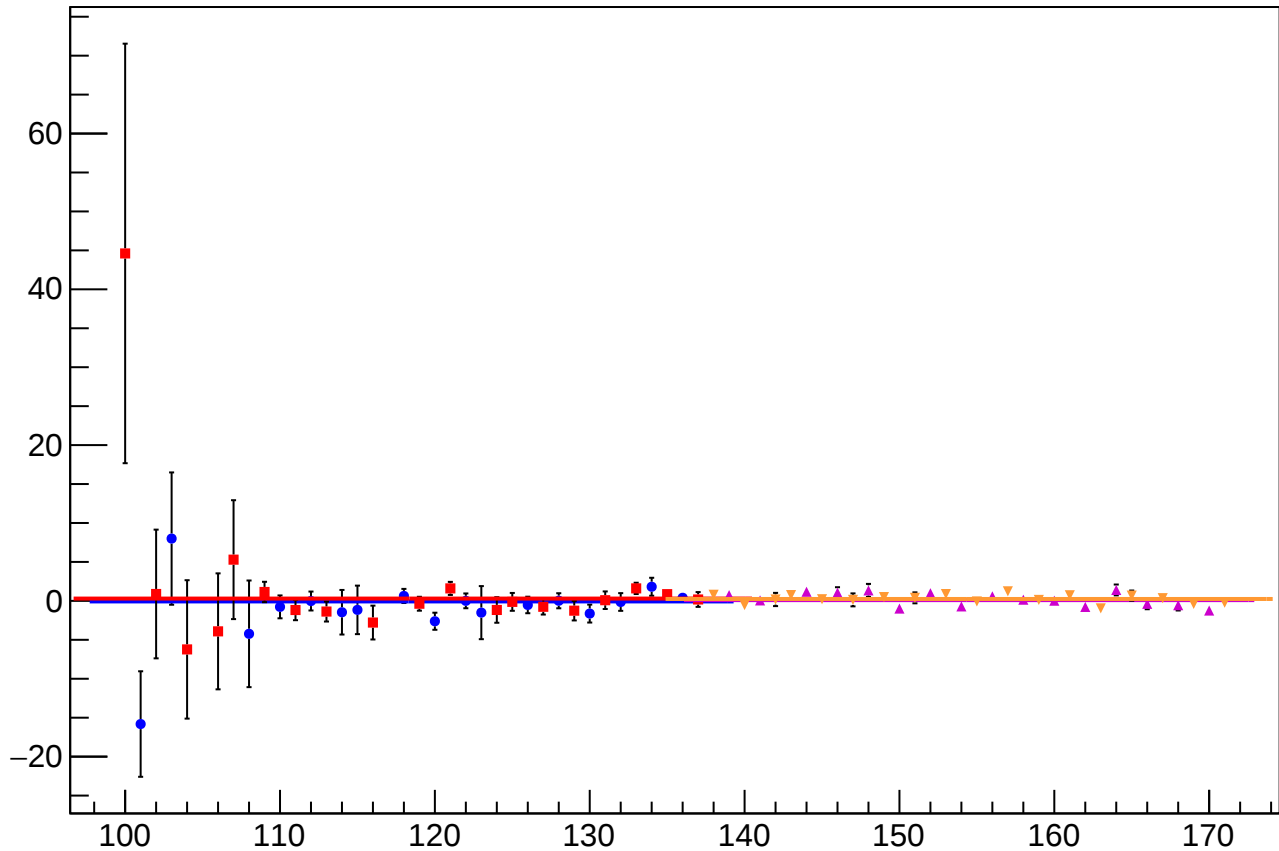
Left In: 728.722 $\pm$ 0.147 χ^2 /NDF: 256728.2/15

+ sign 786.011 $\pm$ 0.130 χ^2 /NDF: 3358730.9/34

All: 795.078 $\pm$ 0.094 χ^2 /NDF: 7116926.4/69

- 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: 0.243 ± 0.143 χ^2/NDF : 14.5/17

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

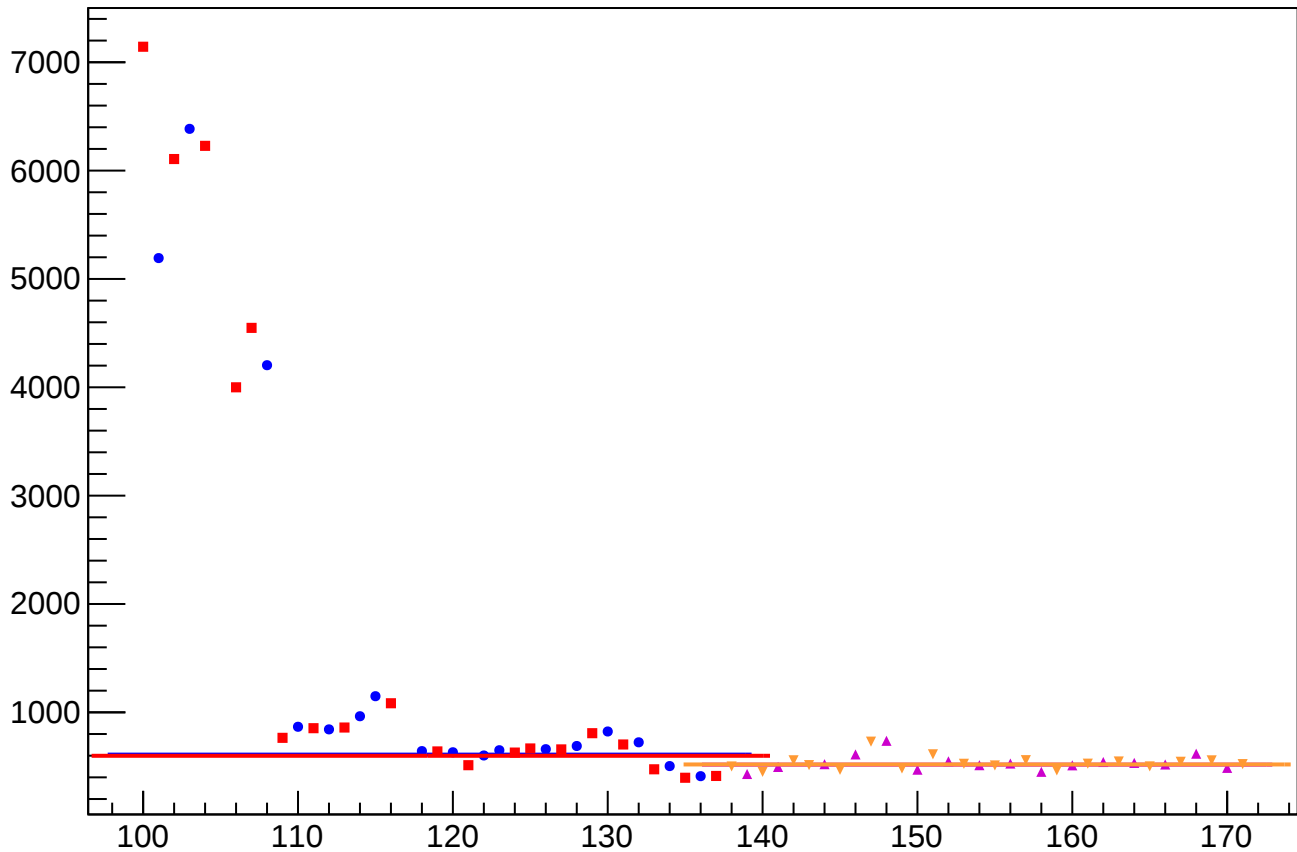
Left In: 0.095 ± 0.148 χ^2/NDF : 31.6/15

+ sign 0.174 ± 0.126 χ^2/NDF : 34.8/34

All: 0.159 ± 0.090 χ^2/NDF : 87.2/69

- 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: 519.000 $\pm$ 0.101 χ^2 /NDF: 280848.9/17

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

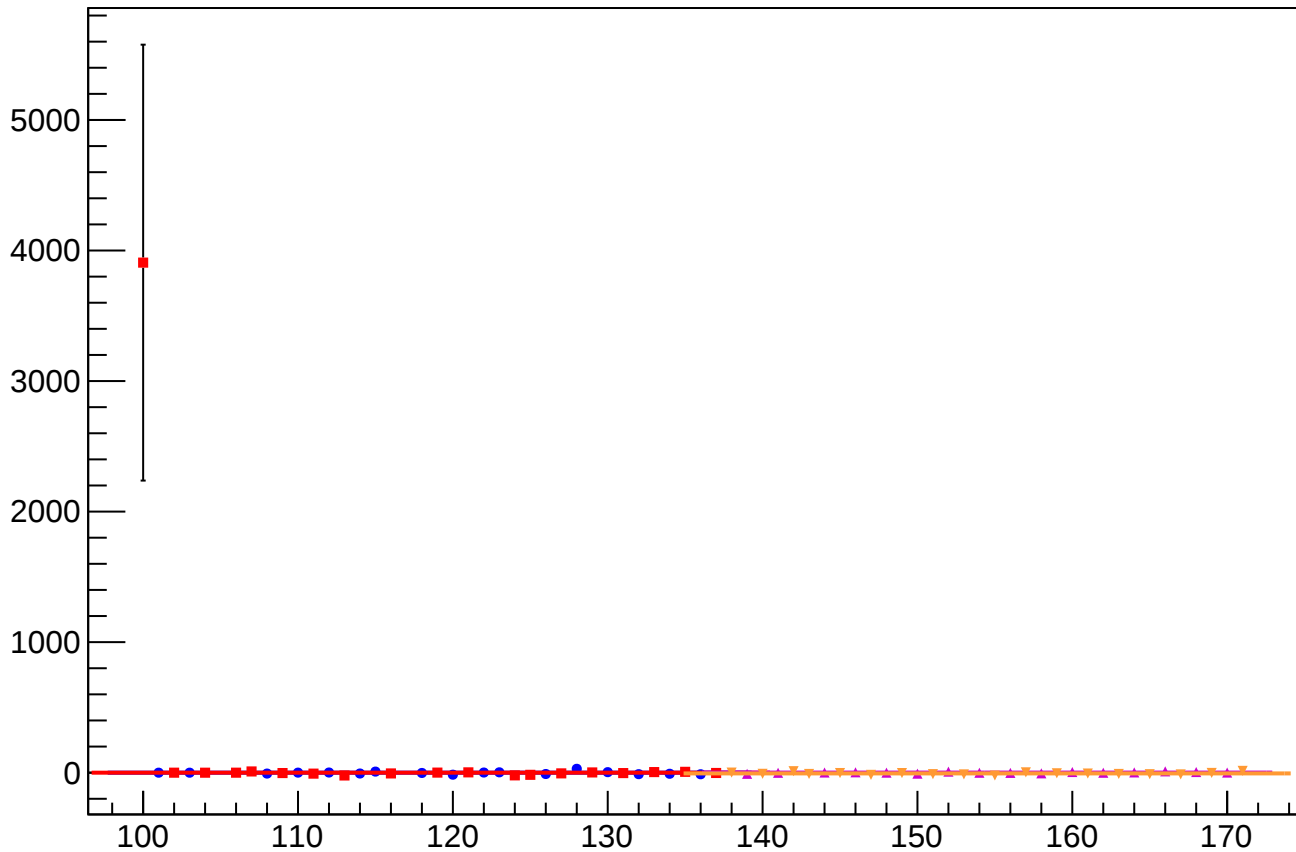
Left In: 517.183 $\pm$ 0.105 χ^2 /NDF: 346748.4/15

+ sign 538.985 $\pm$ 0.089 χ^2 /NDF: 3595013.0/34

All: 537.897 $\pm$ 0.064 χ^2 /NDF: 7640762.8/69

- 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: -5.657 ± 1.155 χ^2/NDF : 52.8/17

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

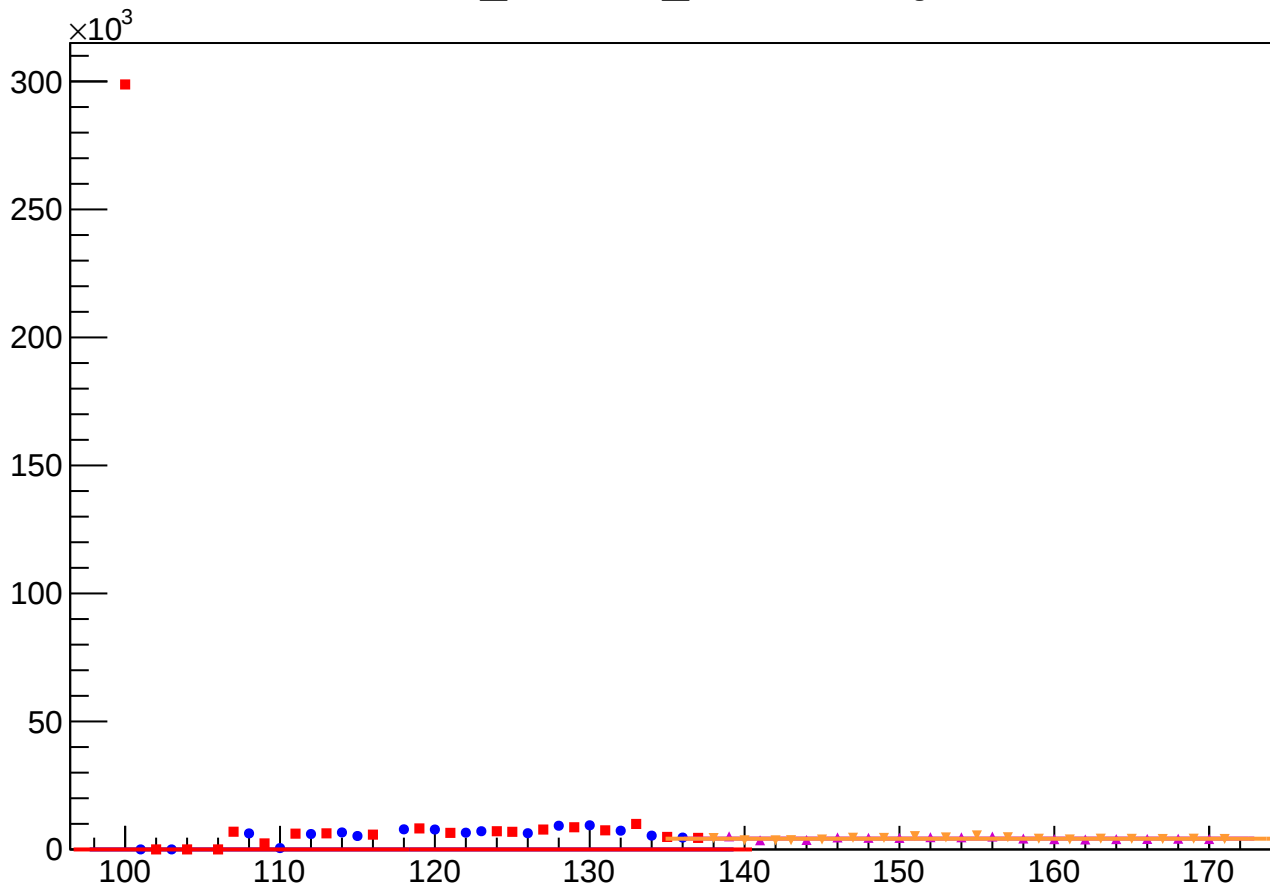
Left In: 0.733 ± 1.211 χ^2/NDF : 14.0/15

+ sign -0.023 ± 0.021 χ^2/NDF : 92.2/34

All: -0.025 ± 0.014 χ^2/NDF : 124.5/69

- 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: 4199.369 $\pm$ 0.817 χ^2 /NDF: 336675.7/17

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

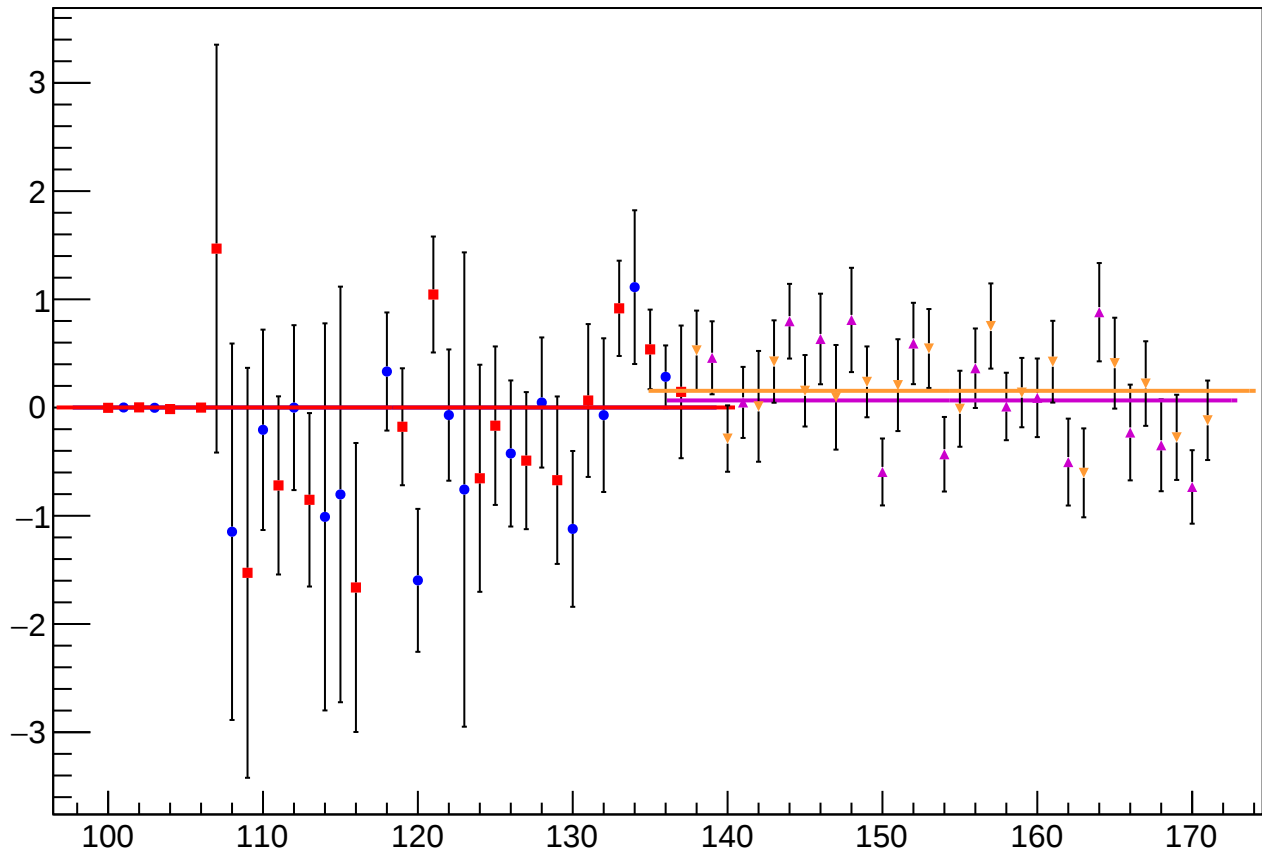
Left In: 4249.543 $\pm$ 0.857 χ^2 /NDF: 261927.2/15

+ sign 18.696 $\pm$ 0.015 χ^2 /NDF: 37062419.3/34

All: 18.539 $\pm$ 0.010 χ^2 /NDF: 72554103.1/69

- 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: 0.155 ± 0.088 χ^2/NDF : 13.5/17

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

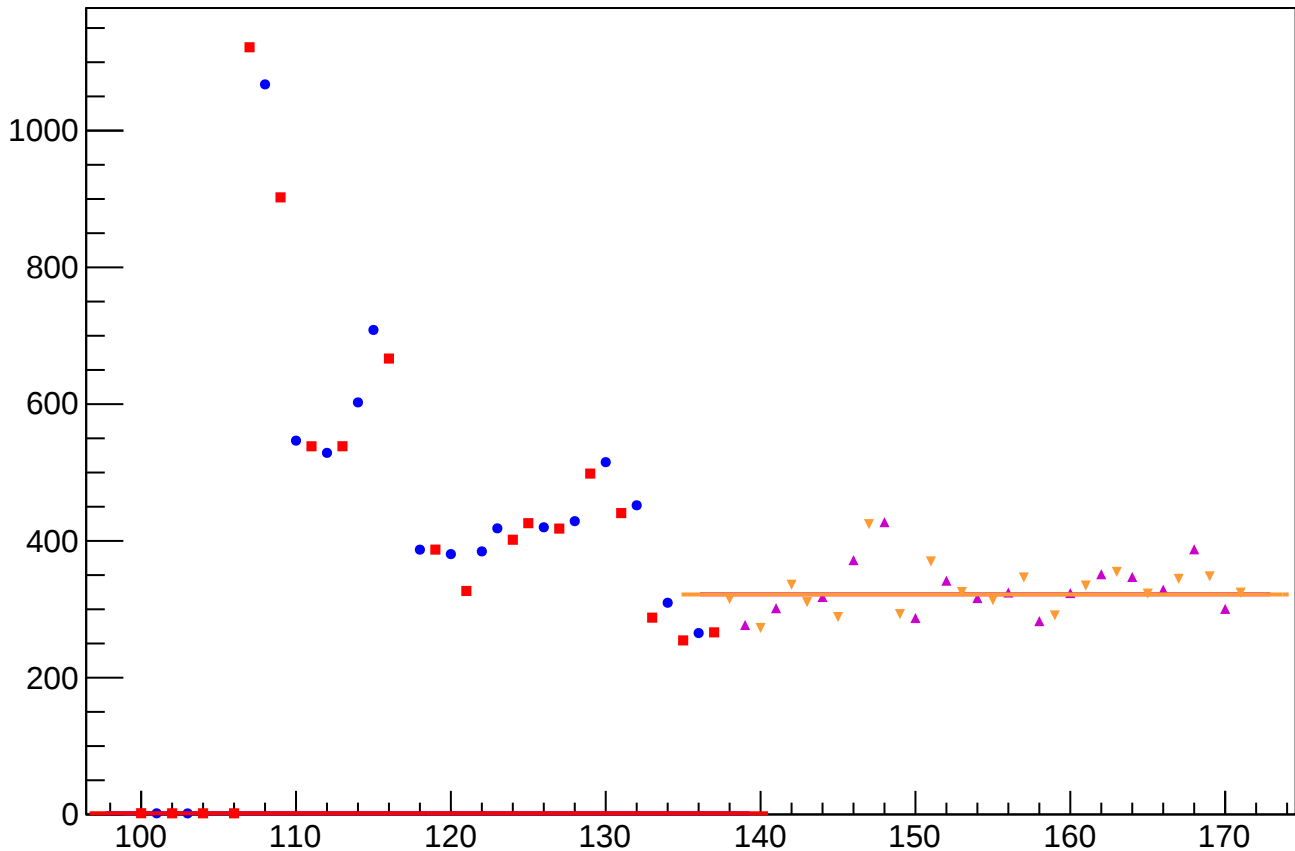
Left In: 0.066 ± 0.092 χ^2/NDF : 31.6/15

+ sign 0.000 ± 0.002 χ^2/NDF : 30.3/34

All: 0.001 ± 0.001 χ^2/NDF : 80.4/69

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

diff_cav4dY_rms vs Slug



Right In: 1.699+/-0.001 χ^2/NDF : 11053026.2/16

Left Out: 321.677+/-0.063 χ^2/NDF : 265419.5/17

Right Out: 1.728+/-0.001 χ^2/NDF : 10743910.0/18

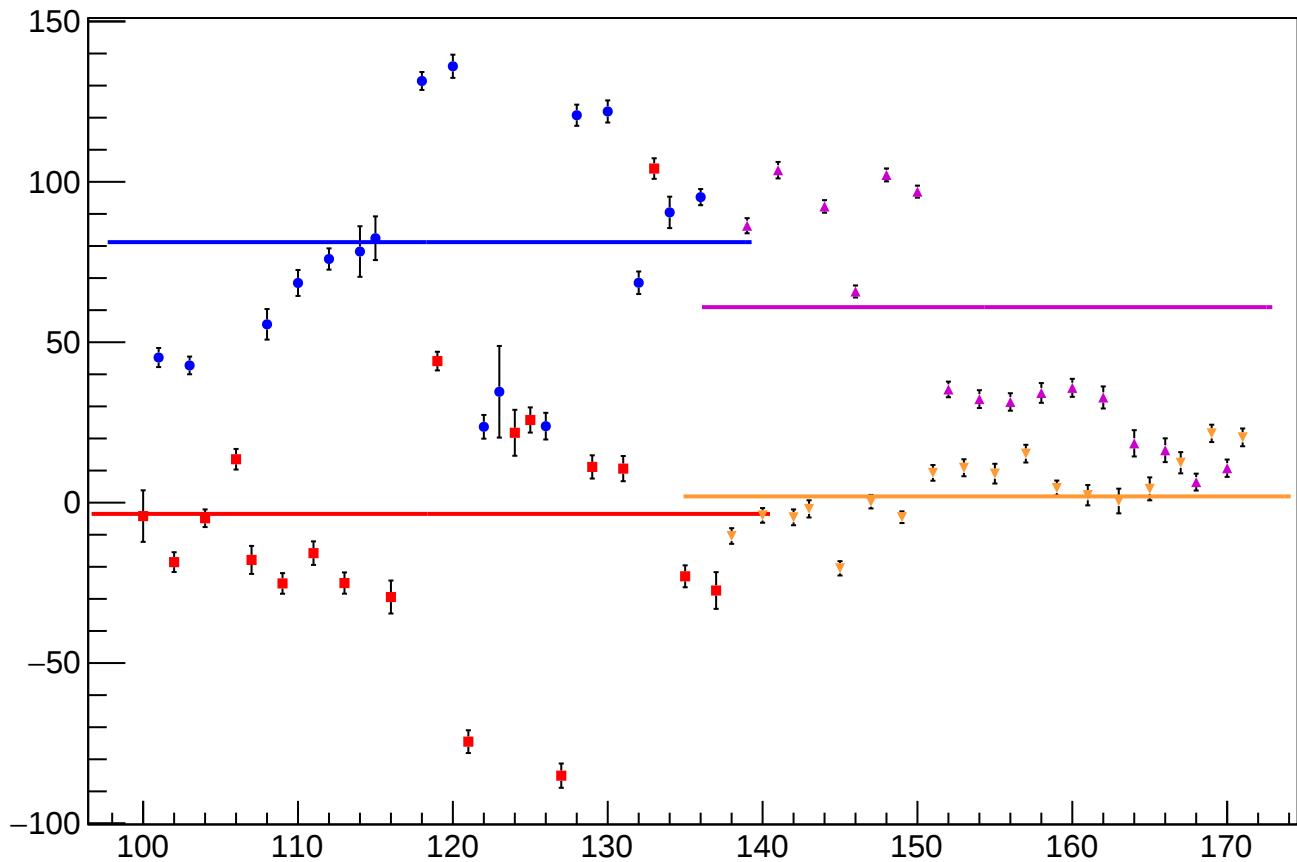
Left In: 321.988+/-0.065 χ^2/NDF : 304120.2/15

+ sign 1.867+/-0.001 χ^2/NDF : 37500345.6/34

All: 1.869+/-0.001 χ^2/NDF : 72762895.9/69

- sign 1.871+/-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: 1.945 $\pm$ 0.606 χ^2 /NDF: 312.9/17

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

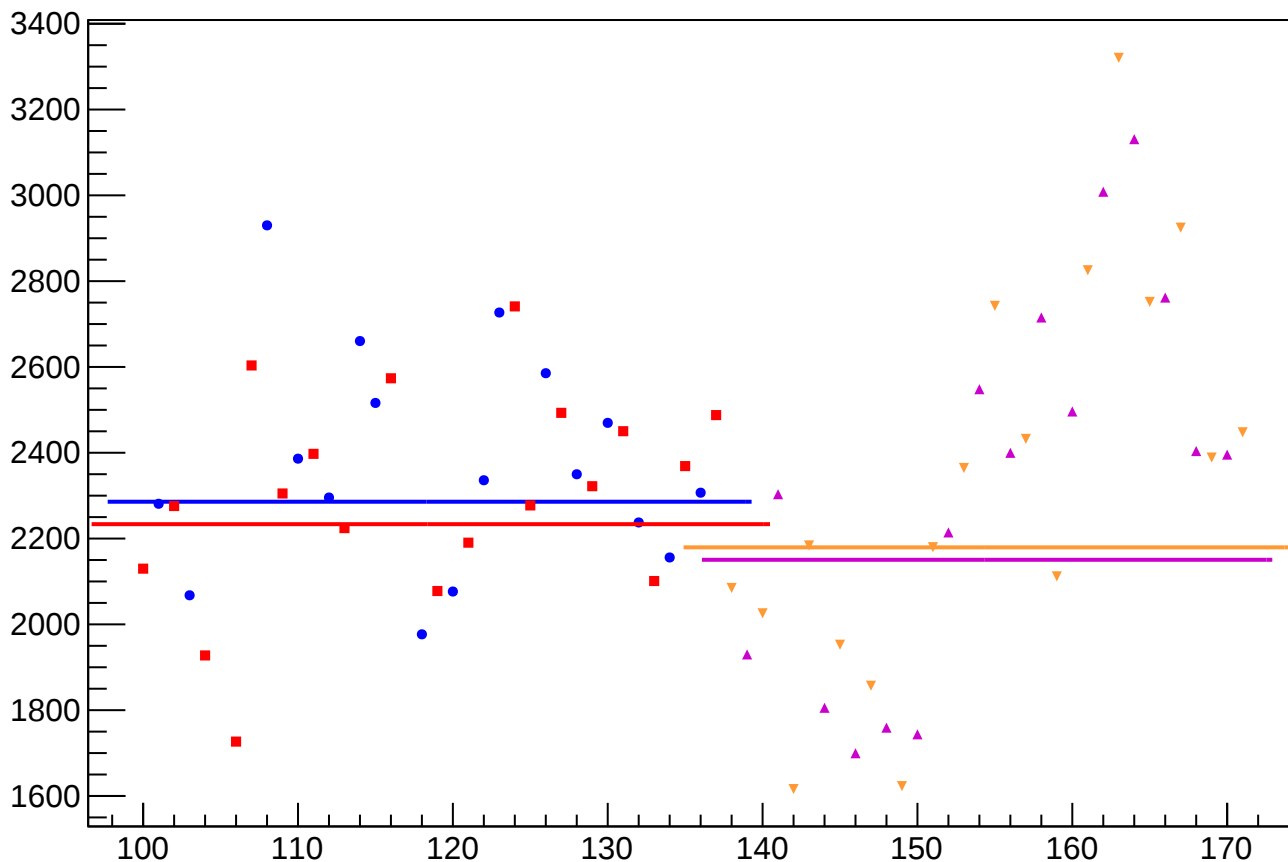
Left In: 60.943 $\pm$ 0.625 χ^2 /NDF: 3021.6/15

+ sign 27.208 $\pm$ 0.500 χ^2 /NDF: 7477.8/34

All: 32.628 $\pm$ 0.354 χ^2 /NDF: 17110.9/69

- 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: 2179.521+/-0.428 χ^2/NDF : 908479.2/17

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

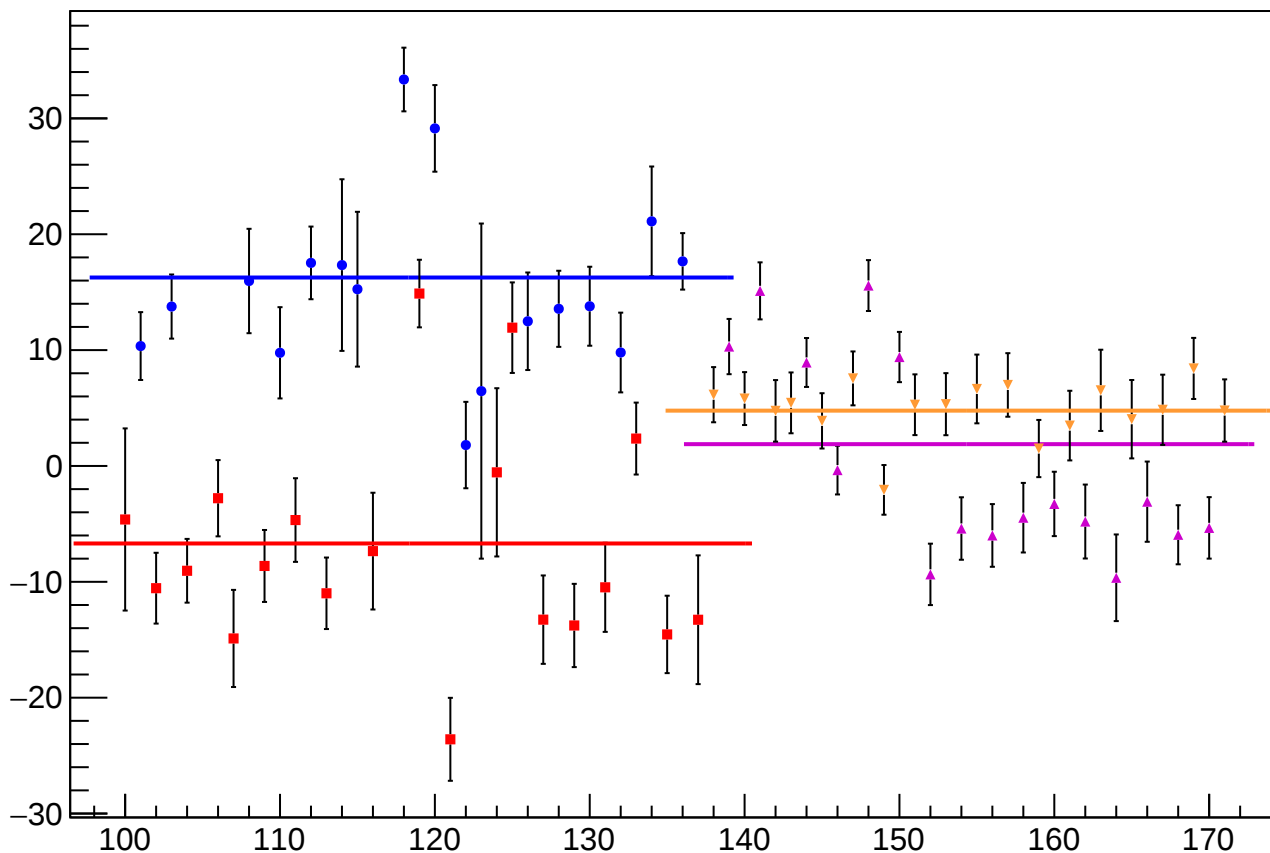
Left In: 2150.521+/-0.442 χ^2/NDF : 854578.7/15

+ sign 2213.415+/-0.354 χ^2/NDF : 1037454.6/34

All: 2196.747+/-0.250 χ^2/NDF : 2055875.9/69

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

diff_bpm0i01Y_mean vs Slug



Right In: 16.265 ± 0.872 $\chi^2/\text{NDF}: 80.8/16$

Left Out: 4.775 ± 0.620 $\chi^2/\text{NDF}: 17.6/17$

Right Out: -6.690 ± 0.831 $\chi^2/\text{NDF}: 134.0/18$

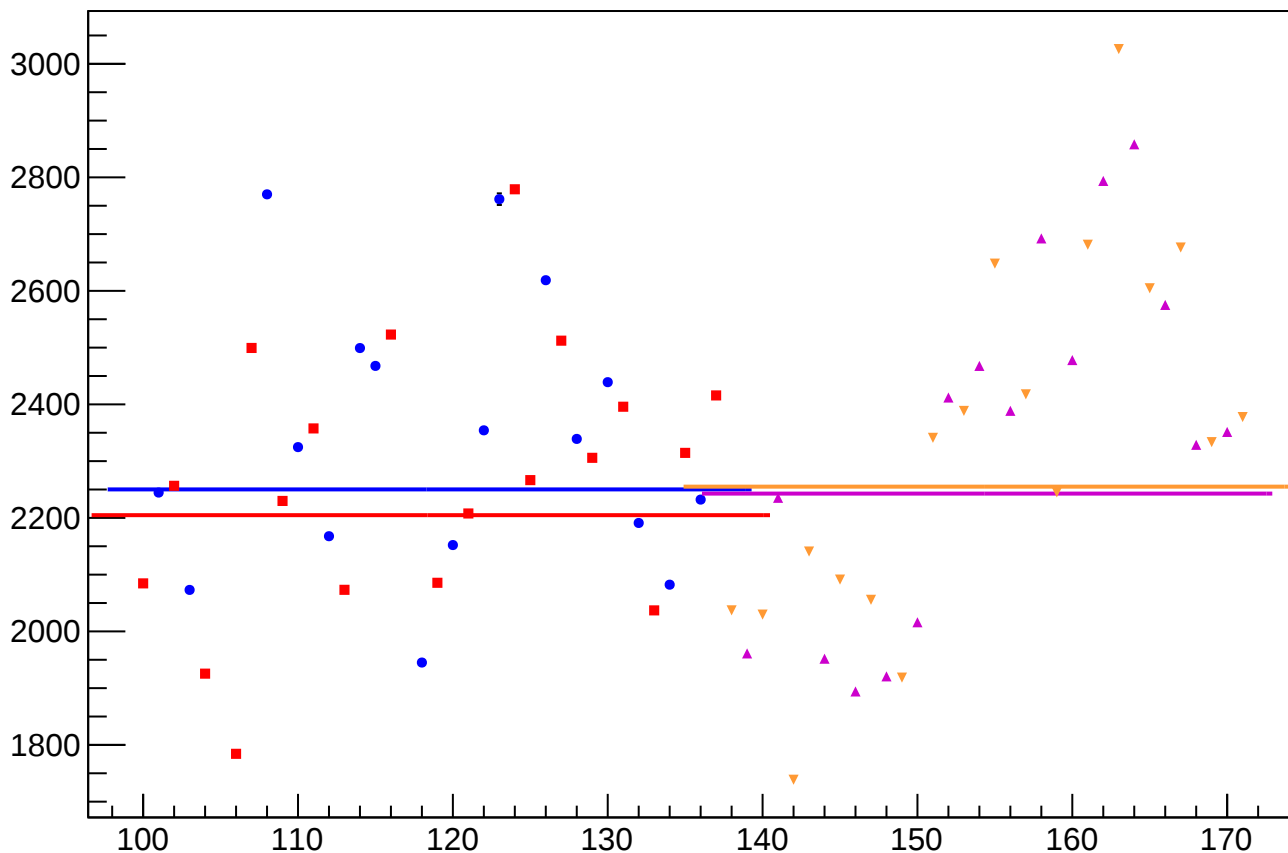
Left In: 1.882 ± 0.643 $\chi^2/\text{NDF}: 178.9/15$

+ sign 8.638 ± 0.505 $\chi^2/\text{NDF}: 213.8/34$

All: 3.686 ± 0.358 $\chi^2/\text{NDF}: 786.6/69$

- sign -1.331 ± 0.509 $\chi^2/\text{NDF}: 379.5/34$

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2255.044+/-0.439 χ^2/NDF : 441207.5/17

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

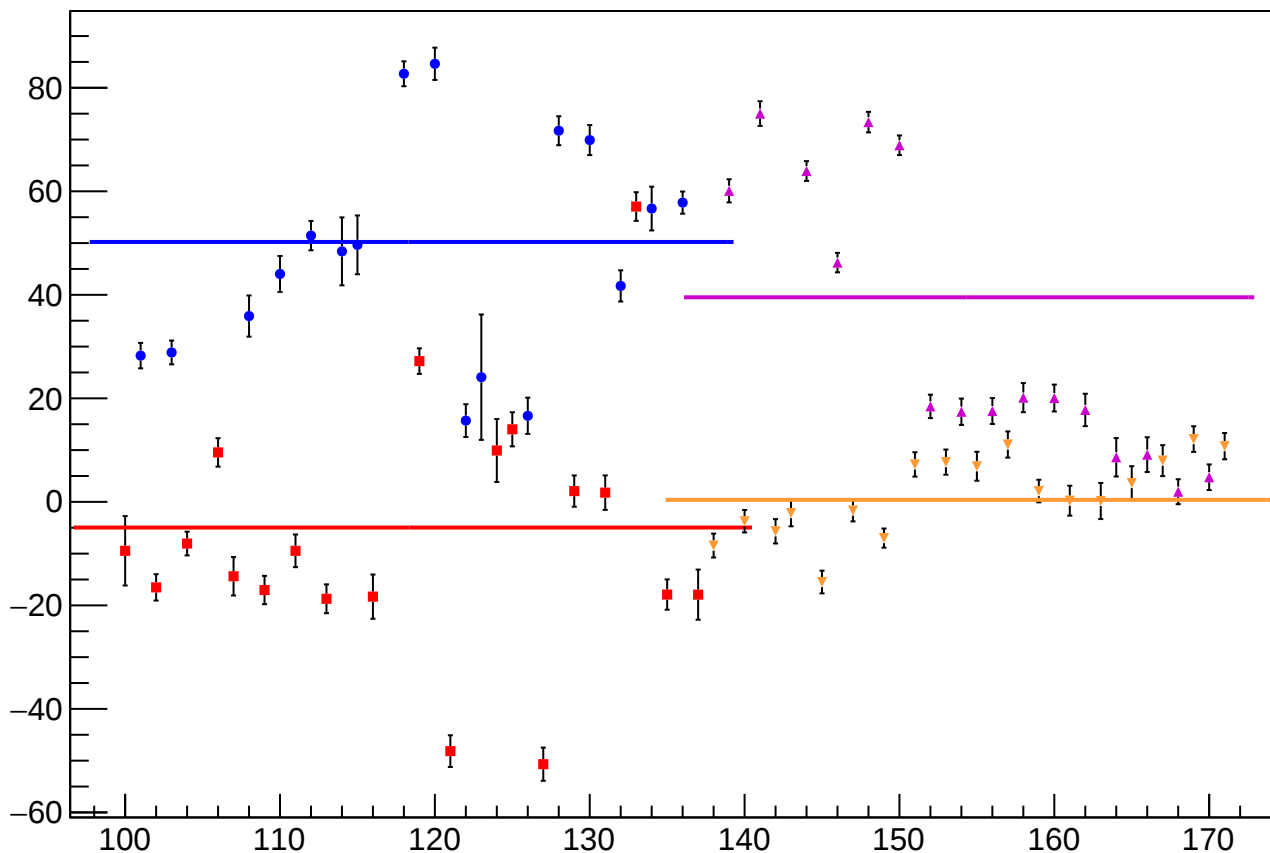
Left In: 2242.799+/-0.455 χ^2/NDF : 410705.1/15

+ sign 2253.407+/-0.357 χ^2/NDF : 538827.0/34

All: 2241.060+/-0.253 χ^2/NDF : 1080780.7/69

- 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: 0.394 $\pm$ 0.574 χ^2 /NDF:183.0/17

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

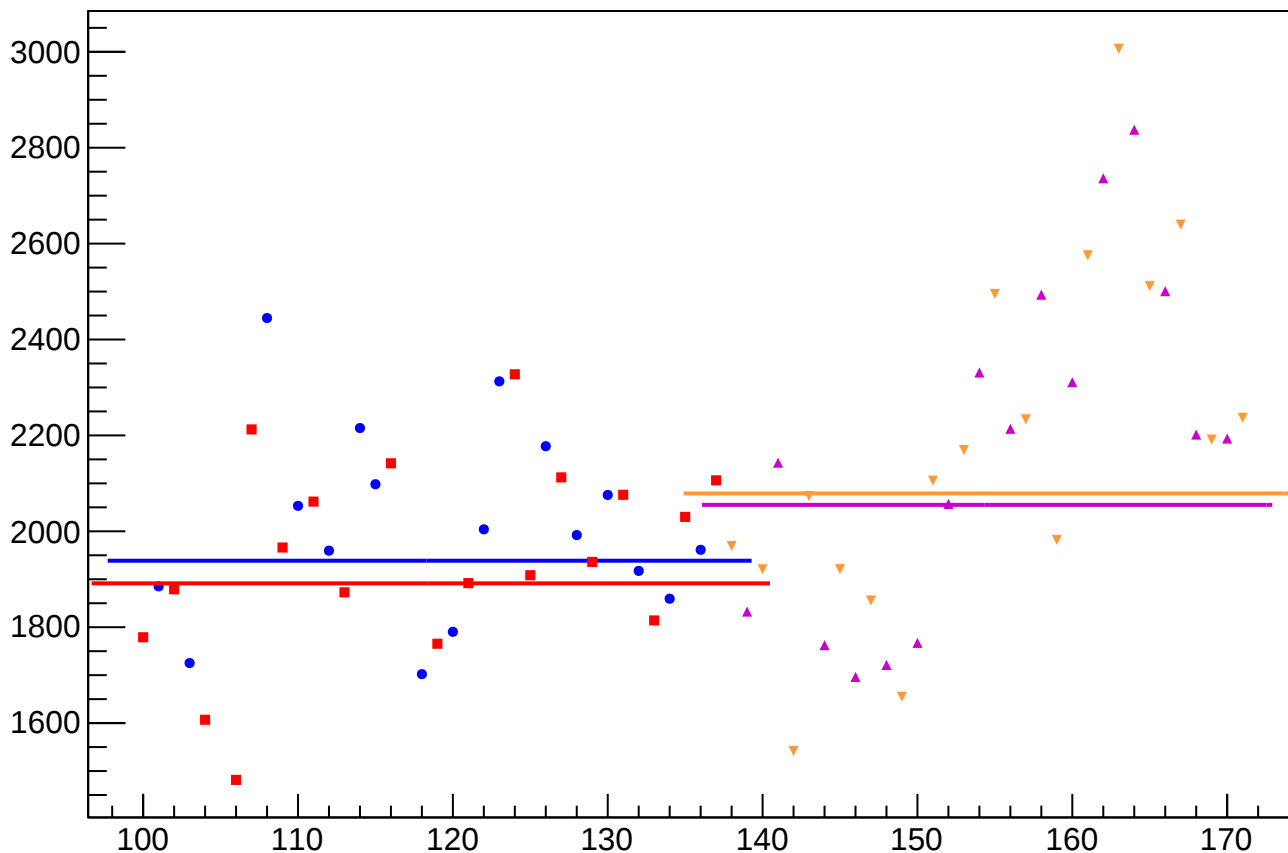
Left In: 39.524 $\pm$ 0.593 χ^2 /NDF:1992.5/15

+ sign 18.790 $\pm$ 0.456 χ^2 /NDF: 3790.9/34

All: 20.068 $\pm$ 0.323 χ^2 /NDF: 9360.6/69

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

diff_bpm0i01aX_rms vs Slug



Right In: 1938.688+/-0.531 χ^2 /NDF: 100143.1/16

Left Out: 2078.965+/-0.406 χ^2 /NDF: 633646.7/17

Right Out: 1891.466+/-0.504 χ^2 /NDF: 146622.8/18

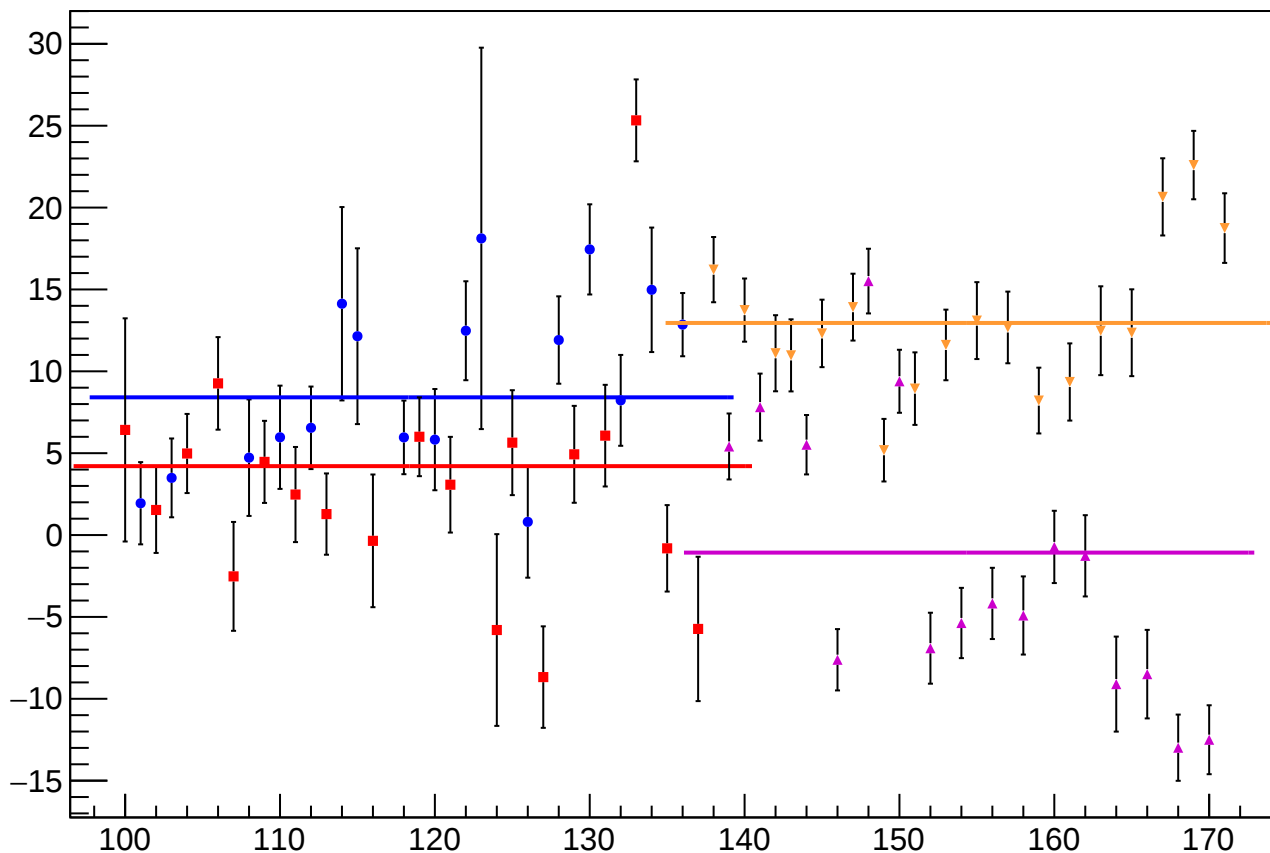
Left In: 2055.173+/-0.419 χ^2 /NDF: 576450.0/15

+ sign 2027.171+/-0.323 χ^2 /NDF: 777829.6/34

All: 2007.715+/-0.228 χ^2 /NDF: 1570451.0/69

- sign 1988.271+/-0.322 χ^2 /NDF: 785348.7/34

diff_bpm0i01aY_mean vs Slug



Right In: 8.411 ± 0.711 $\chi^2/\text{NDF}: 44.6/16$

Left Out: 12.954 ± 0.513 $\chi^2/\text{NDF}: 72.2/17$

Right Out: 4.208 ± 0.682 $\chi^2/\text{NDF}: 113.1/18$

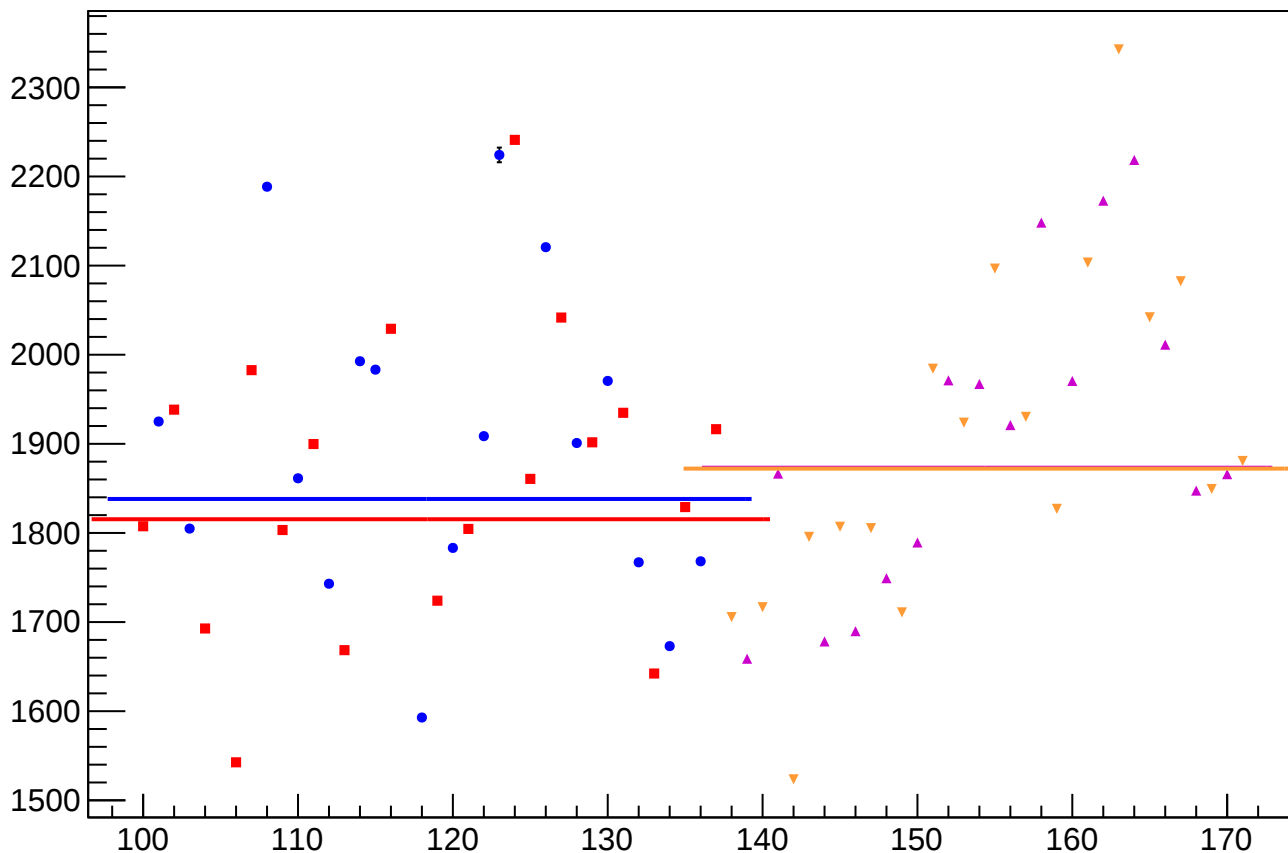
Left In: -1.072 ± 0.534 $\chi^2/\text{NDF}: 249.9/15$

+ sign 11.401 ± 0.416 $\chi^2/\text{NDF}: 143.7/34$

All: 6.224 ± 0.296 $\chi^2/\text{NDF}: 857.3/69$

- sign 0.932 ± 0.420 $\chi^2/\text{NDF}: 400.2/34$

diff_bpm0i01aY_rms vs Slug



Right In: 1838.143+/-0.503 χ^2/NDF : 82878.7/16

Left Out: 1872.210+/-0.362 χ^2/NDF : 223533.5/17

Right Out: 1815.403+/-0.483 χ^2/NDF : 87419.0/18

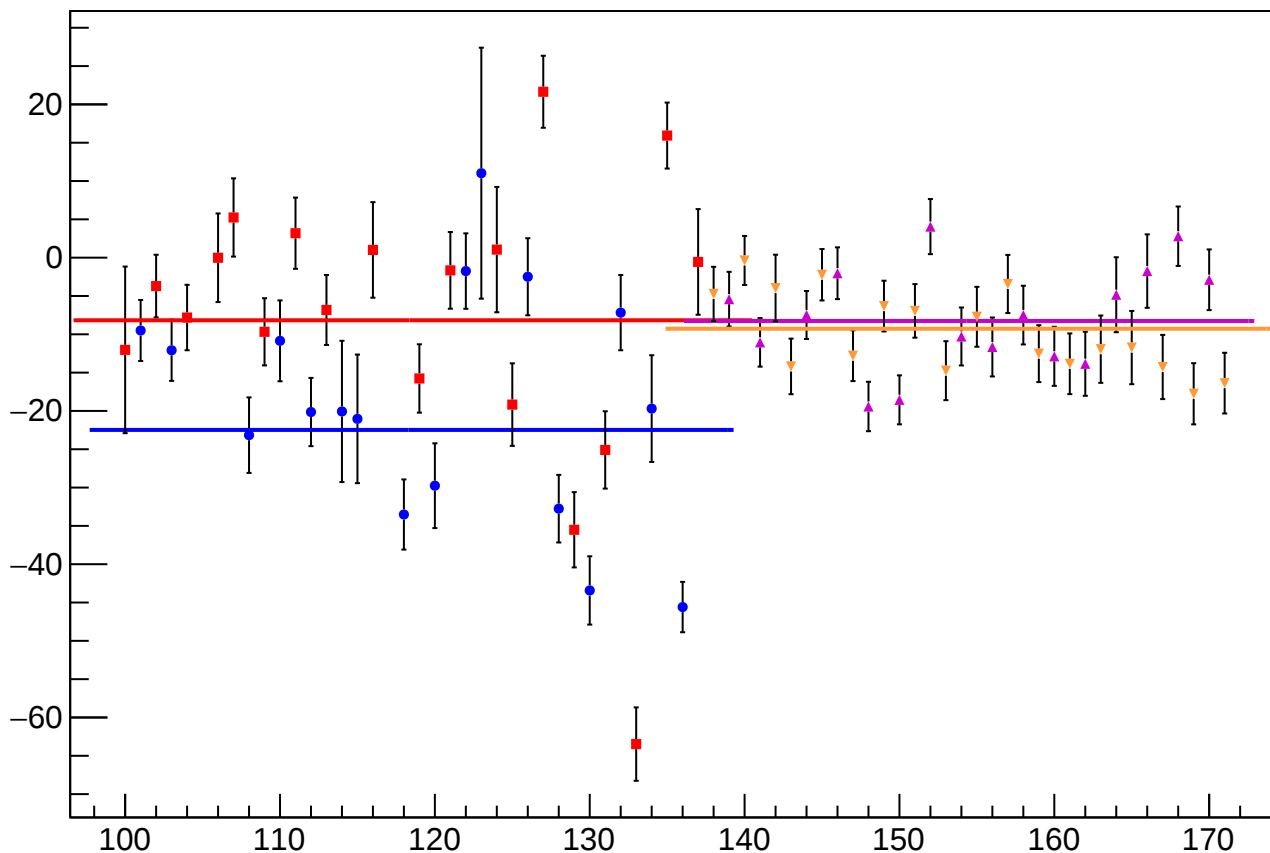
Left In: 1873.209+/-0.377 χ^2/NDF : 179013.6/15

+ sign 1860.566+/-0.294 χ^2/NDF : 309432.3/34

All: 1855.969+/-0.209 χ^2/NDF : 585263.9/69

- sign 1851.269+/-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: -9.272 ± 0.885 χ^2/NDF : 36.0/17

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

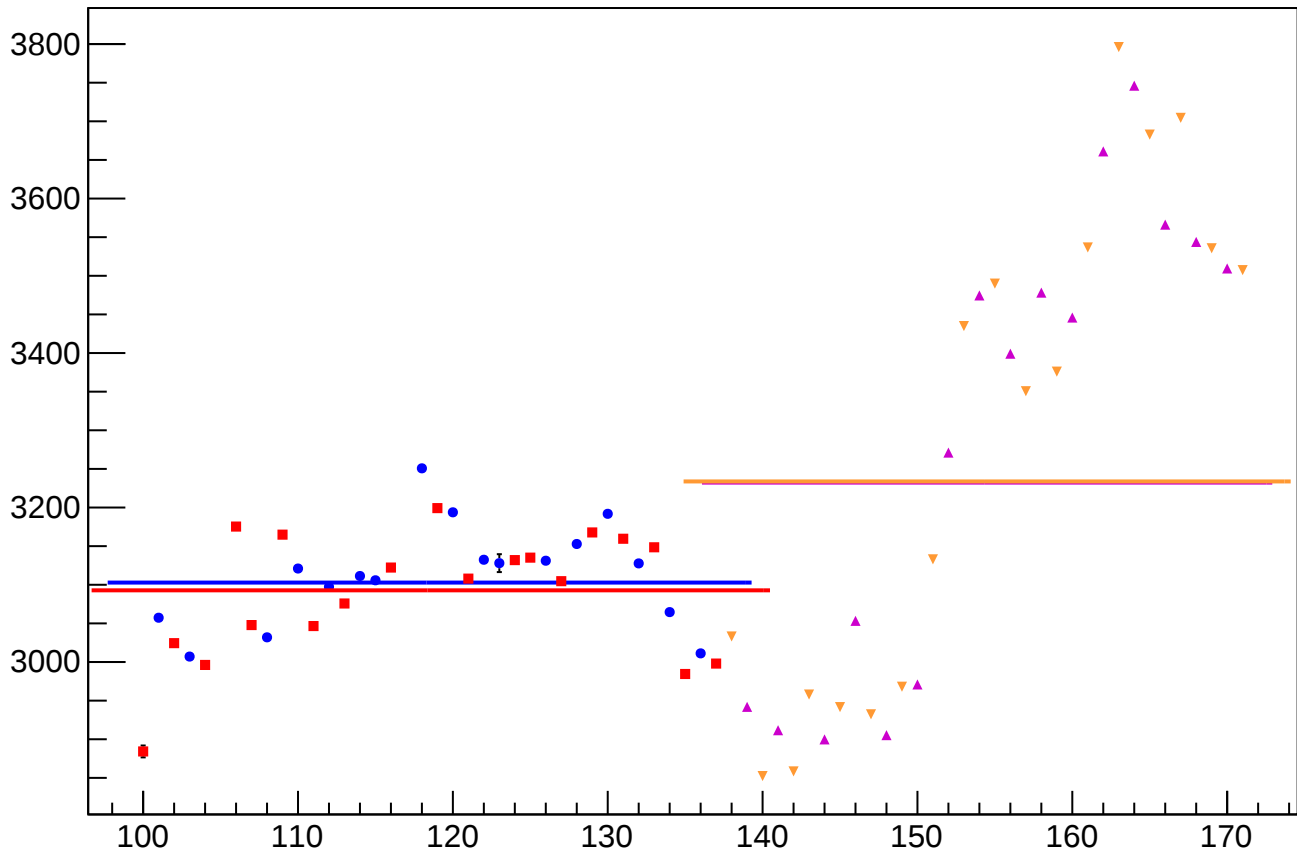
Left In: -8.261 ± 0.918 χ^2/NDF : 55.6/15

+ sign -13.949 ± 0.711 χ^2/NDF : 269.6/34

All: -11.120 ± 0.506 χ^2/NDF : 634.1/69

- 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: 3233.776 $\pm$ 0.626 χ^2 /NDF: 234878.8/17

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

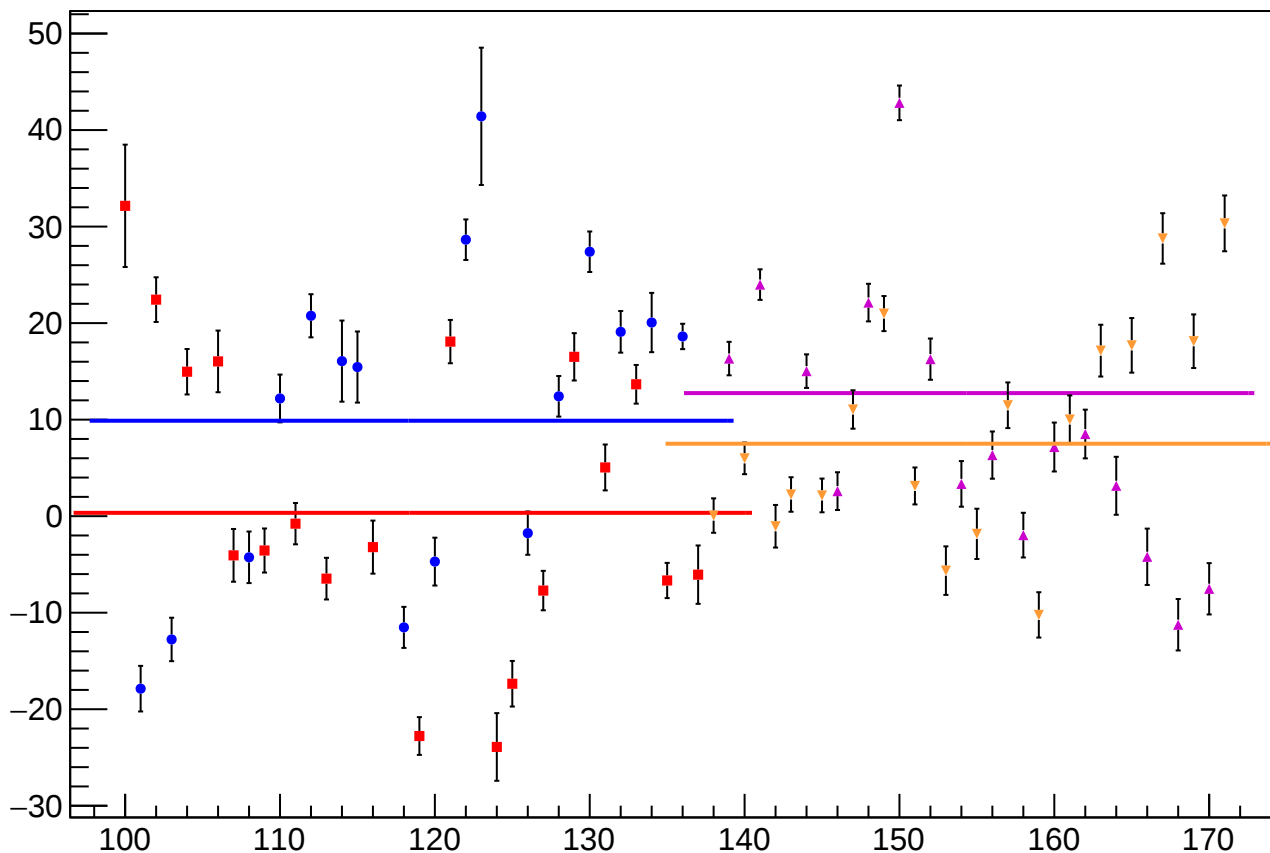
Left In: 3232.243 $\pm$ 0.649 χ^2 /NDF: 198016.1/15

+ sign 3187.405 $\pm$ 0.503 χ^2 /NDF: 257736.6/34

All: 3182.909 $\pm$ 0.358 χ^2 /NDF: 481508.6/69

- 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: 7.506 ± 0.510 χ^2/NDF : 385.0/17

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

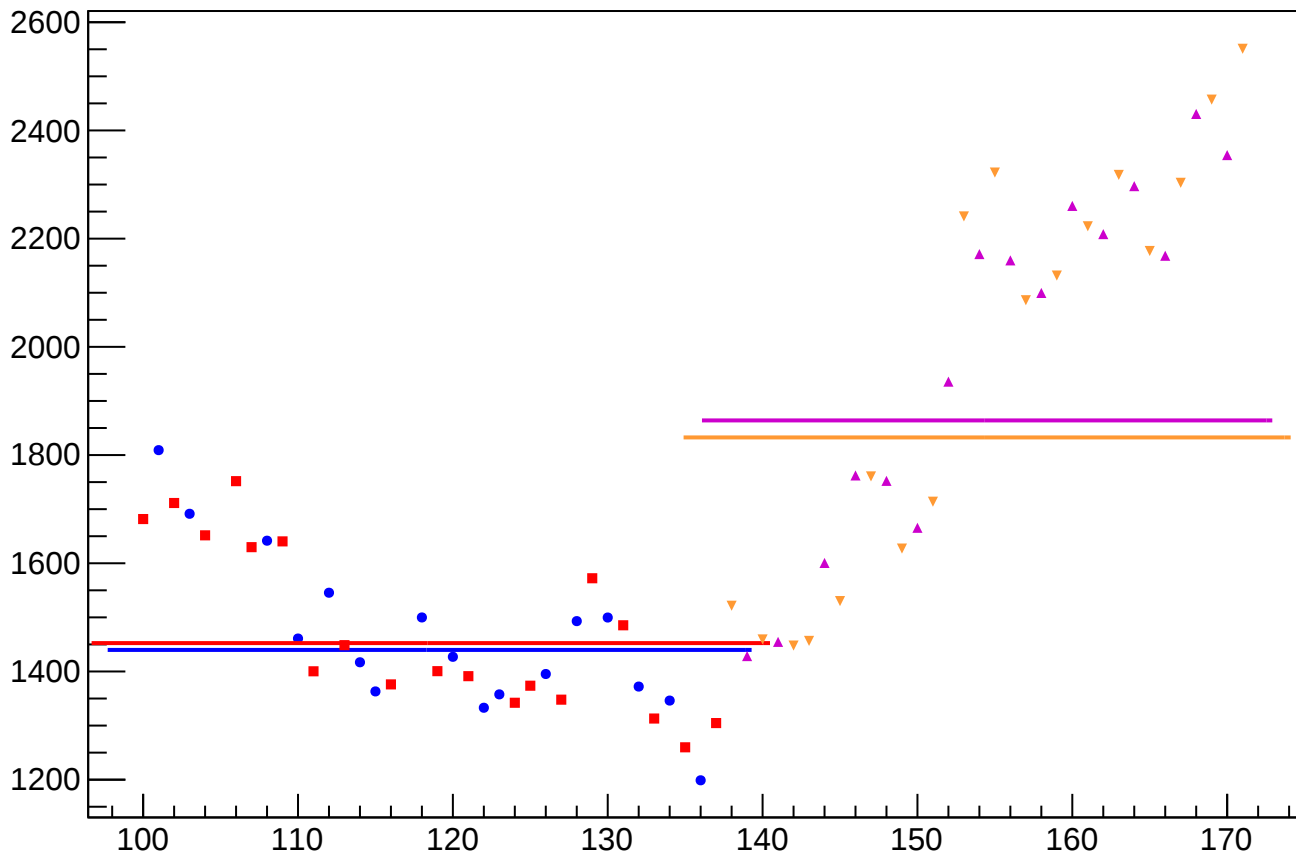
Left In: 12.749 ± 0.537 χ^2/NDF : 643.7/15

+ sign 8.586 ± 0.377 χ^2/NDF : 1098.5/34

All: 7.641 ± 0.269 χ^2/NDF : 2645.9/69

- 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: 1832.588 $\pm$ 0.361 χ^2 /NDF: 1022357.7/17

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

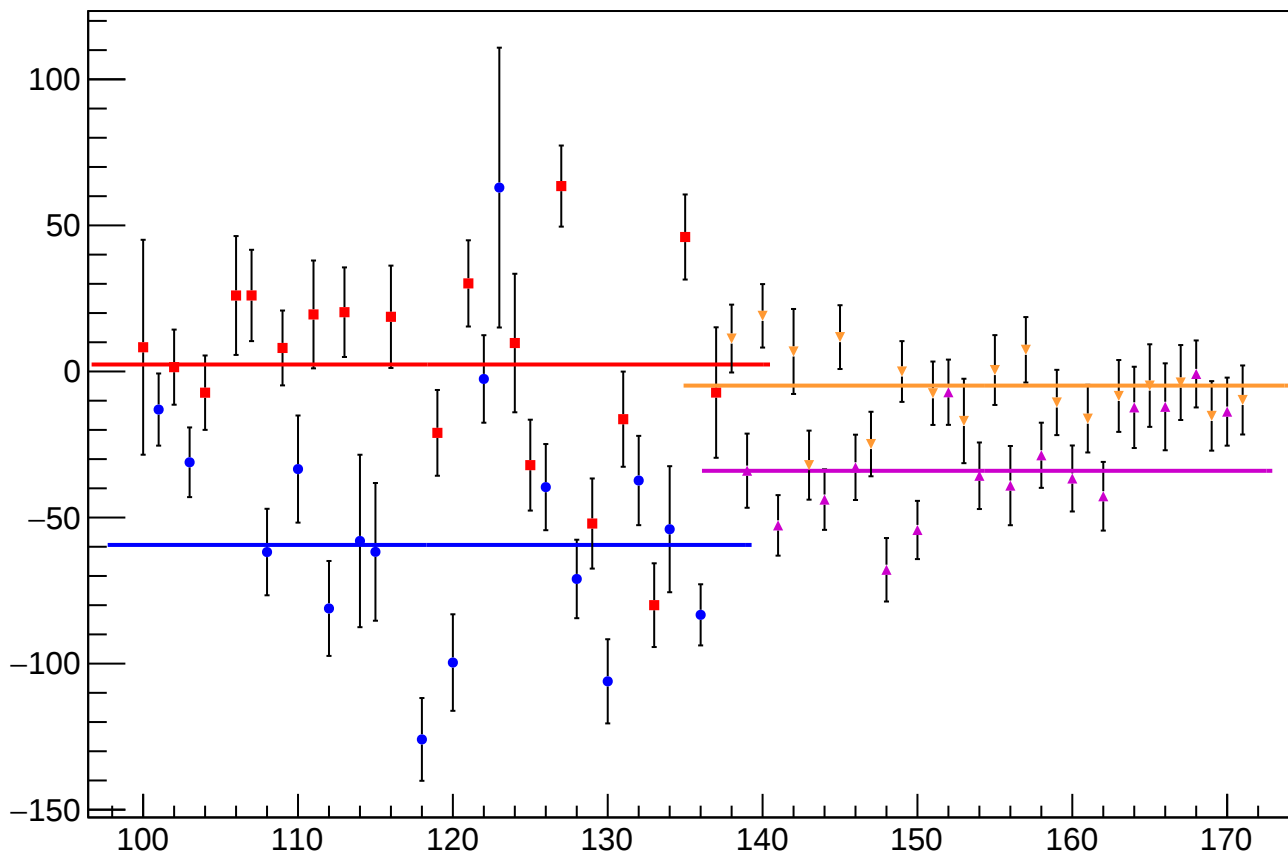
Left In: 1864.032 $\pm$ 0.379 χ^2 /NDF: 736199.5/15

+ sign 1654.404 $\pm$ 0.266 χ^2 /NDF: 1733666.3/34

All: 1658.206 $\pm$ 0.190 χ^2 /NDF: 3185911.0/69

- 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: -4.833 ± 2.781 χ^2/NDF : 22.9/17

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

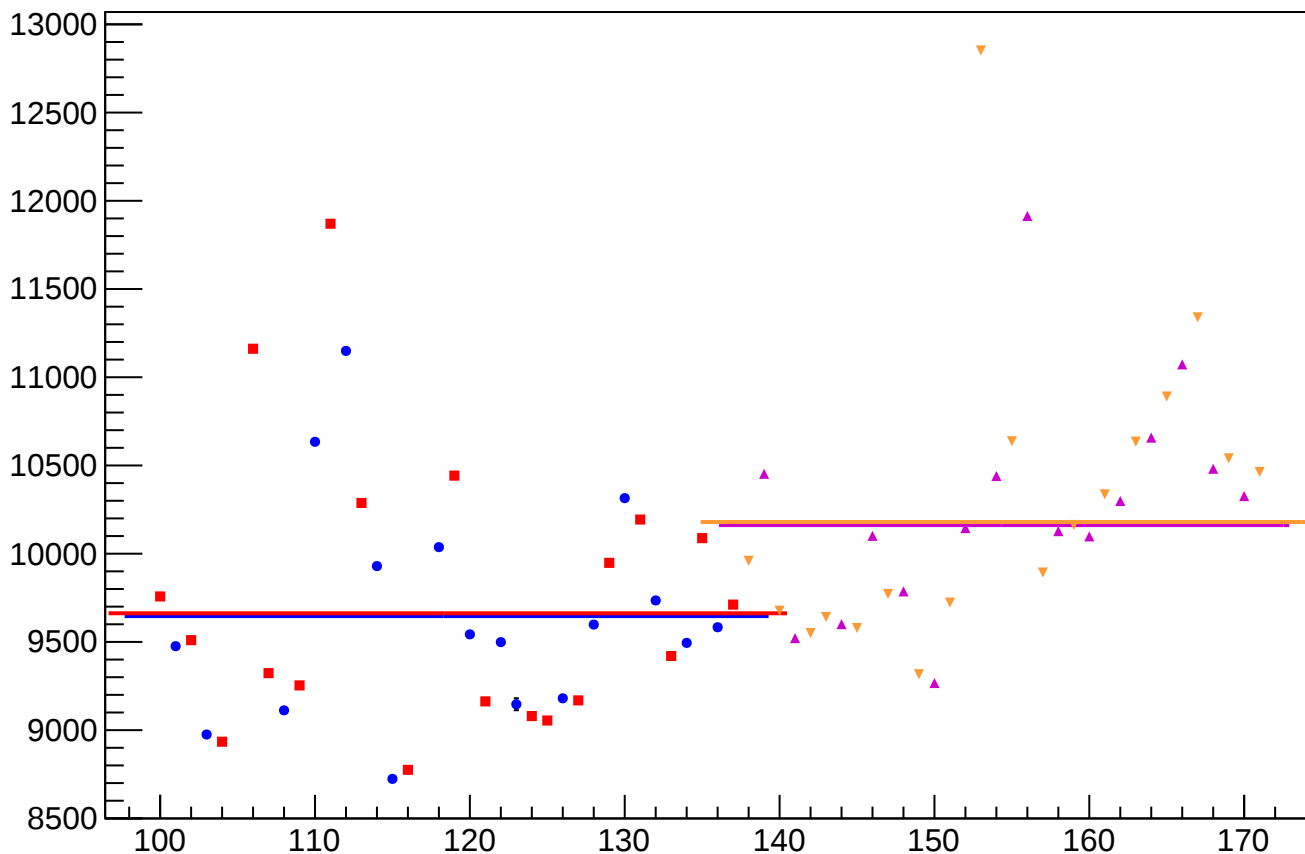
Left In: -34.004 ± 2.883 χ^2/NDF : 40.8/15

+ sign -24.331 ± 2.230 χ^2/NDF : 253.3/34

All: -22.156 ± 1.586 χ^2/NDF : 451.6/69

- 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: 10179.536+/-1.967 χ^2/NDF :139186.5/17

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

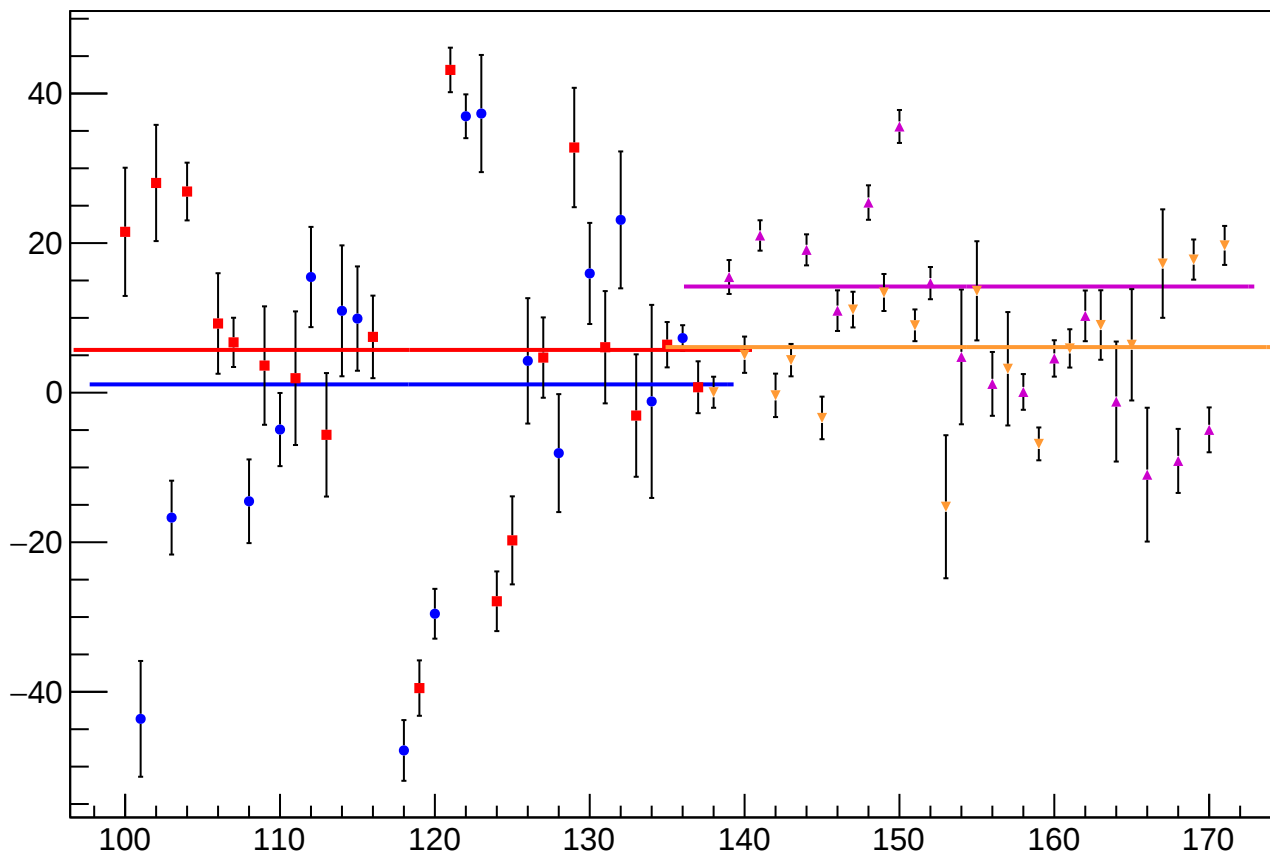
Left In: 10162.064+/-2.039 χ^2/NDF :80066.6/15

+ sign 9988.966+/-1.577 χ^2/NDF : 209507.3/34

All: 9978.992+/-1.122 χ^2/NDF : 390482.3/69

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

diff_bpm0l02Y_mean vs Slug



Right In: 1.106 ± 1.066 χ^2/NDF : 489.7/16

Left Out: 6.093 ± 0.674 χ^2/NDF : 130.4/17

Right Out: 5.716 ± 1.091 χ^2/NDF : 456.0/18

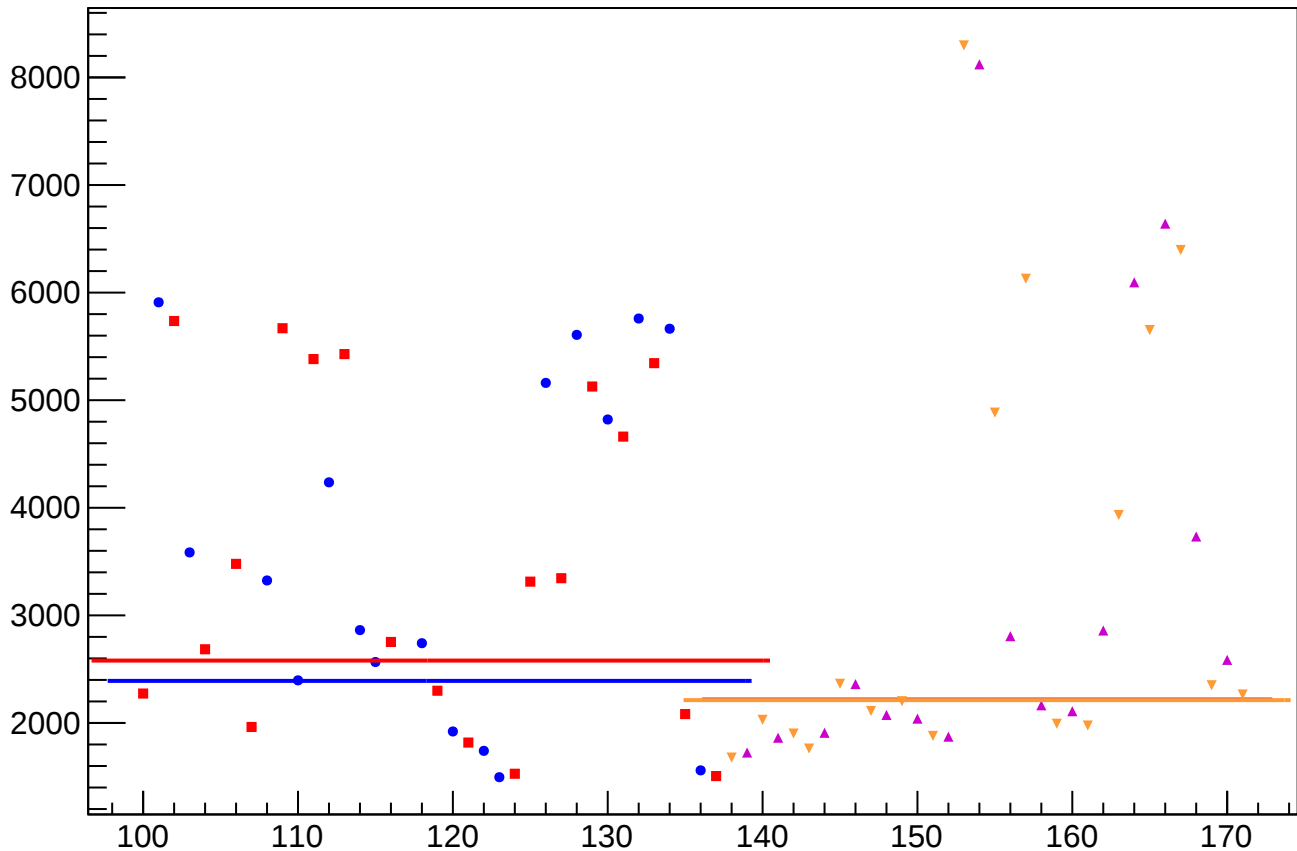
Left In: 14.194 ± 0.689 χ^2/NDF : 280.9/15

+ sign 4.668 ± 0.570 χ^2/NDF : 635.7/34

All: 8.145 ± 0.407 χ^2/NDF : 1491.8/69

- sign 11.777 ± 0.583 χ^2/NDF : 780.0/34

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2212.222+/-0.477 χ^2/NDF : 3389708.2/17

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

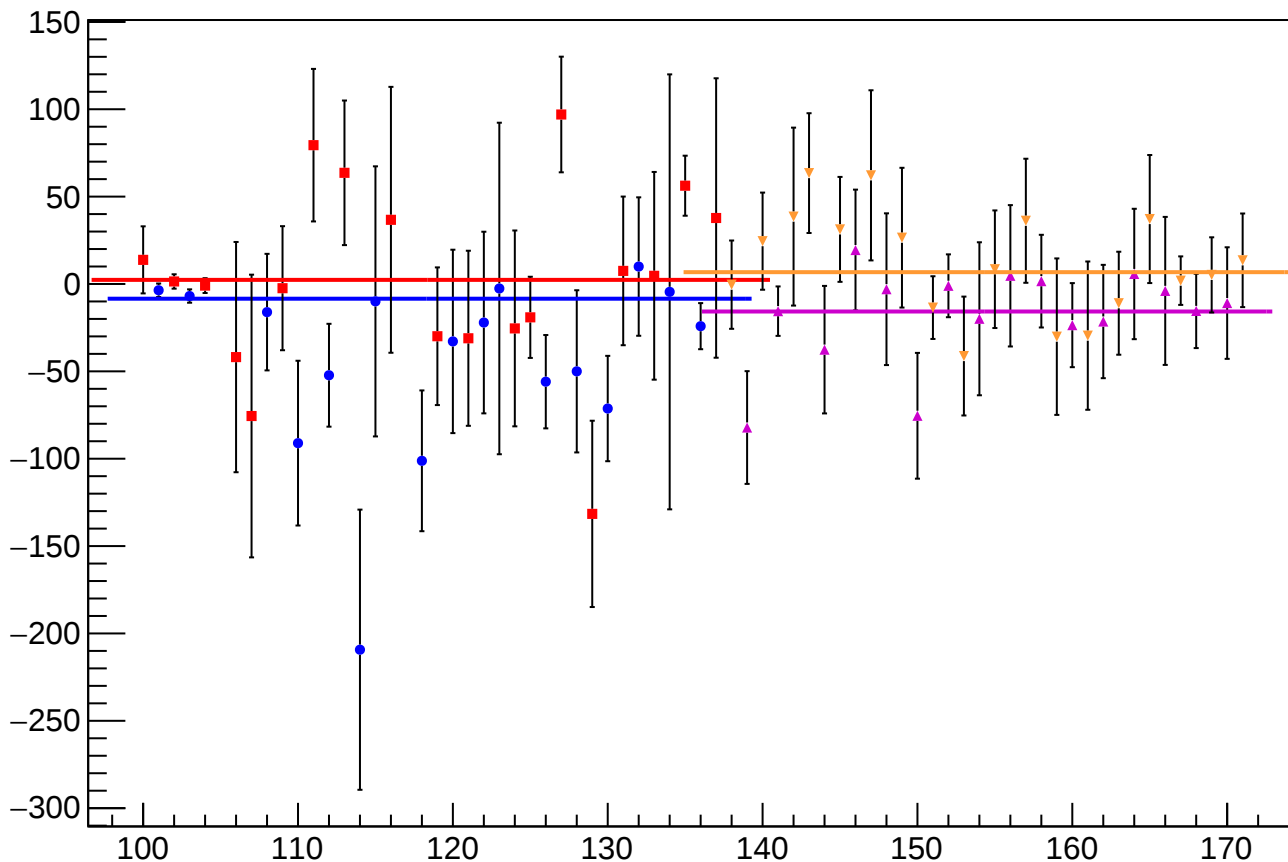
Left In: 2218.030+/-0.487 χ^2/NDF : 2486536.9/15

+ sign 2263.347+/-0.403 χ^2/NDF : 6030474.4/34

All: 2291.666+/-0.288 χ^2/NDF : 11049758.3/6

- 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: 6.760 ± 6.510 χ^2/NDF : 12.4/17

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

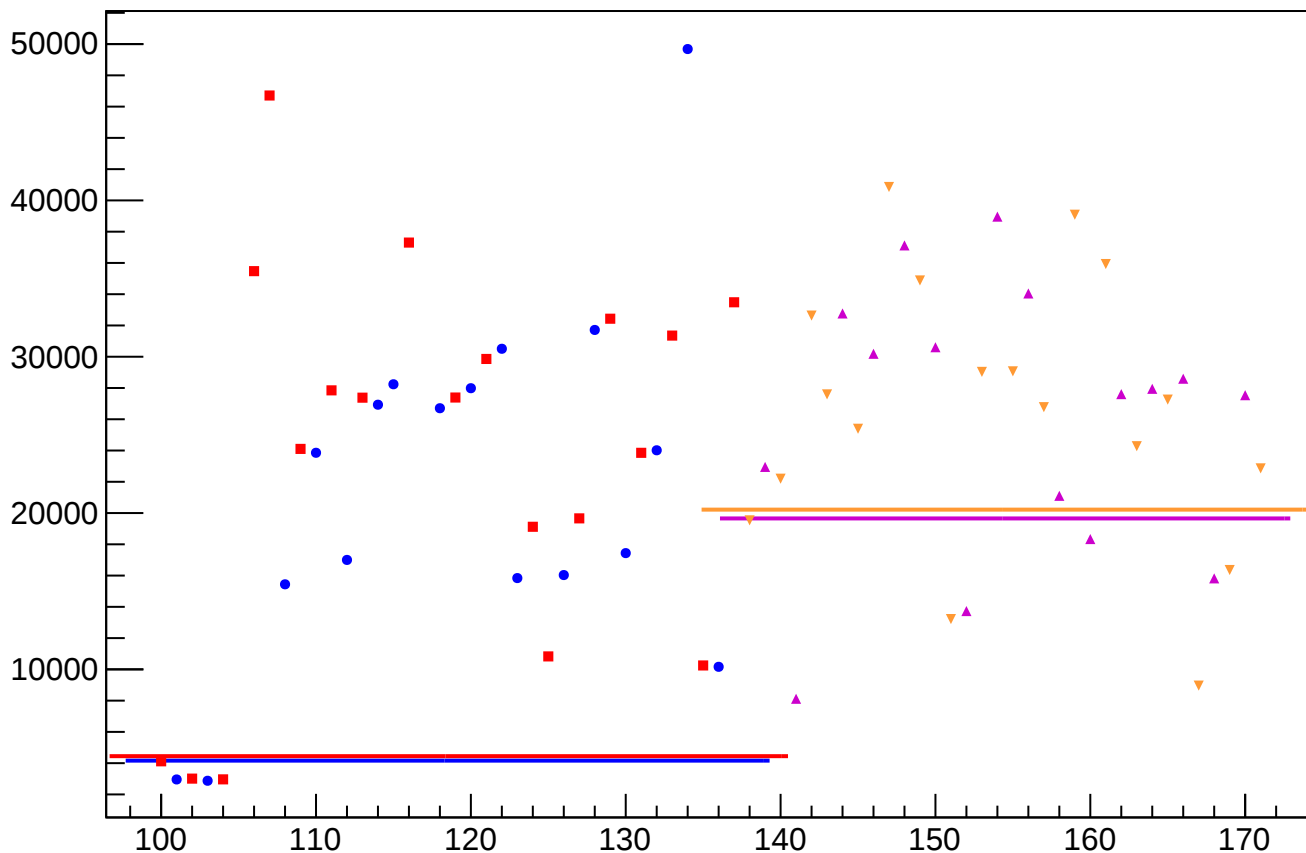
Left In: -15.756 ± 6.798 χ^2/NDF : 10.4/15

+ sign -6.358 ± 2.404 χ^2/NDF : 46.0/34

All: -3.520 ± 1.759 χ^2/NDF : 100.2/69

- 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: 20219.079+/-4.603 χ^2/NDF : 3696083.5/17

Right Out: 4447.123+/-1.971 χ^2/NDF : 7426930.4/18

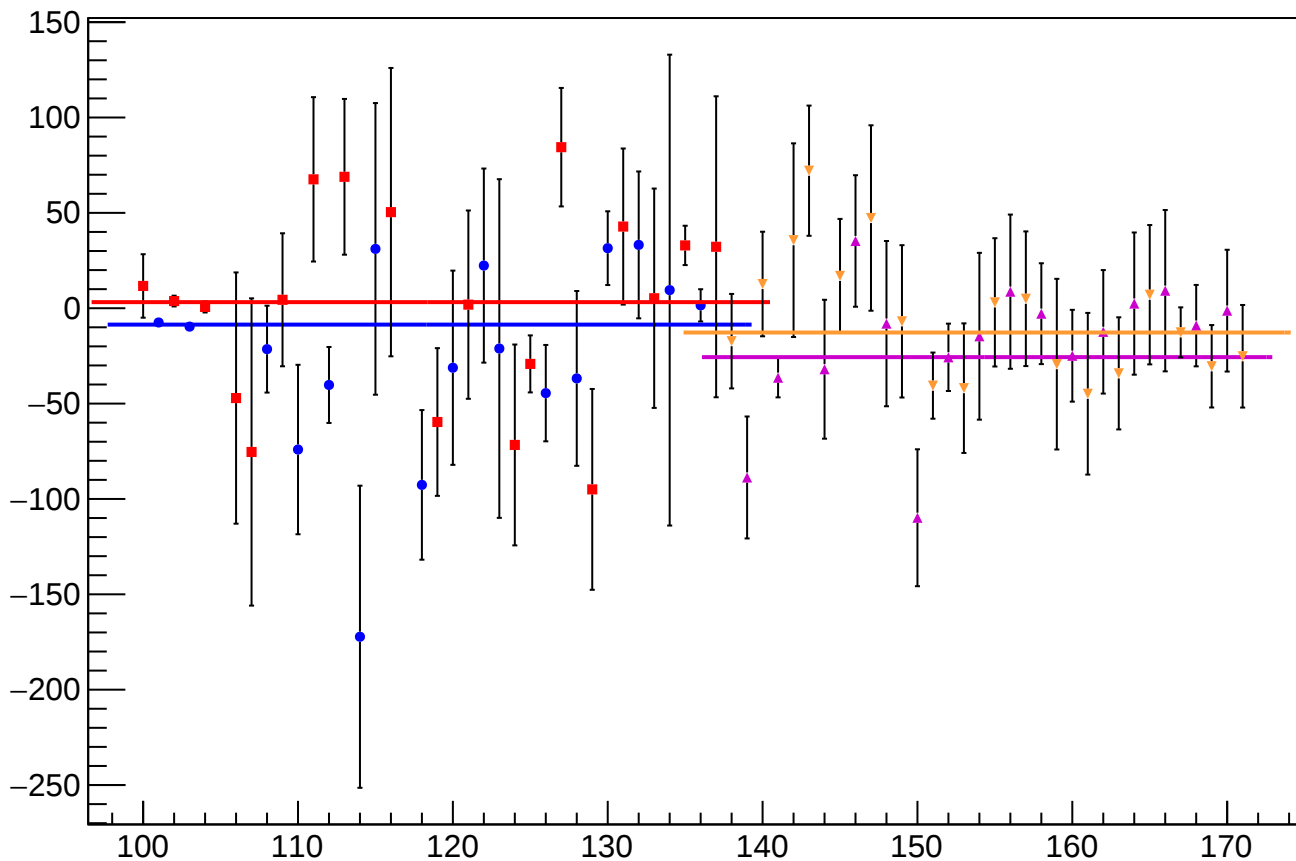
Left In: 19655.130+/-4.807 χ^2/NDF : 3669683.2/15

+ sign 6352.733+/-1.700 χ^2/NDF : 20193168.8/34

All: 6484.215+/-1.243 χ^2/NDF : 39872785.0/6

- 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: -12.734 ± 6.381 χ^2/NDF : 16.7/17

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

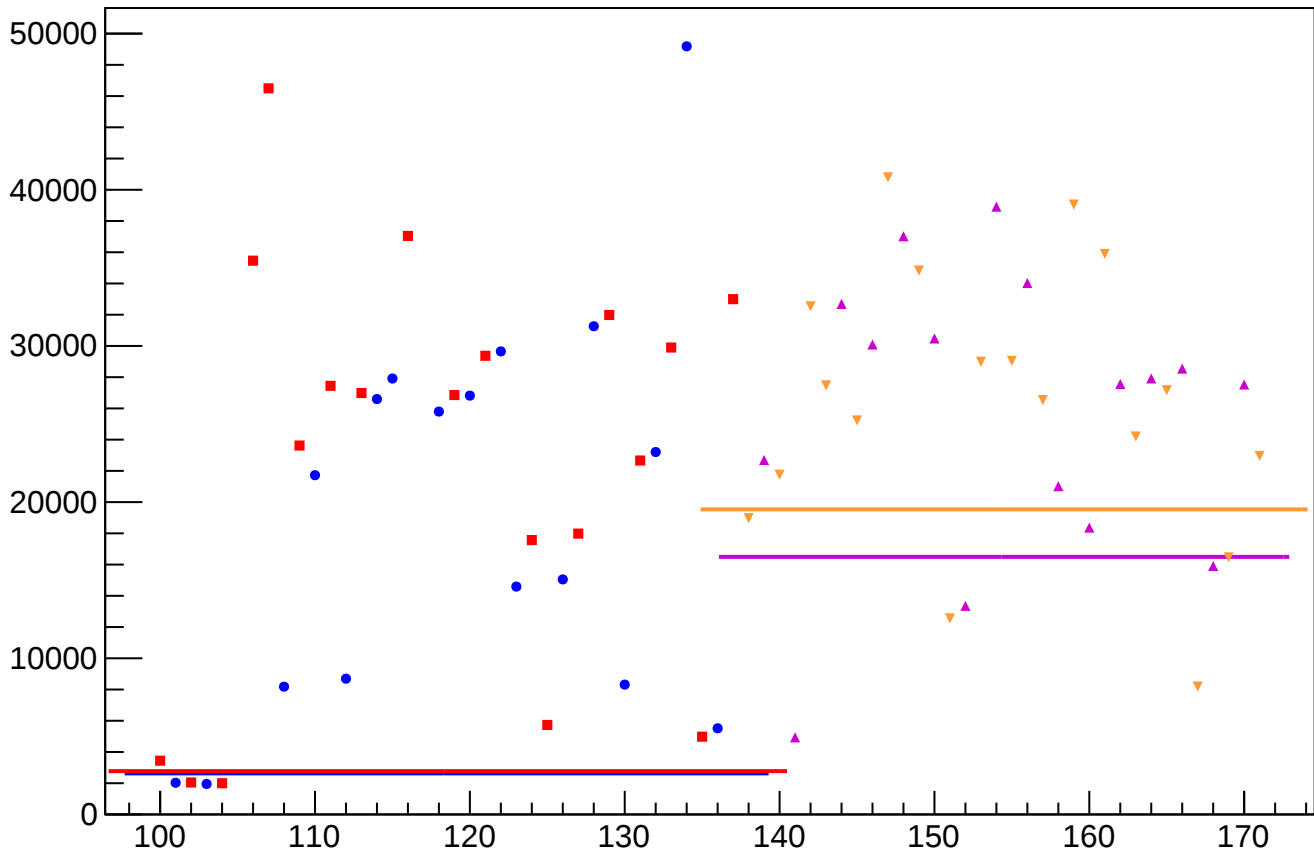
Left In: -25.639 ± 6.179 χ^2/NDF : 17.9/15

+ sign -8.885 ± 1.713 χ^2/NDF : 41.5/34

All: -4.448 ± 1.252 χ^2/NDF : 130.6/69

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

diff_bpm0l03Y_rms vs Slug



Right In: 2630.547 $\pm$ 1.257 χ^2 /NDF: 5588981.6/16

Left Out: 19535.009 $\pm$ 4.512 χ^2 /NDF: 4106508.4/17

Right Out: 2773.446 $\pm$ 1.359 χ^2 /NDF: 7835878.7/18

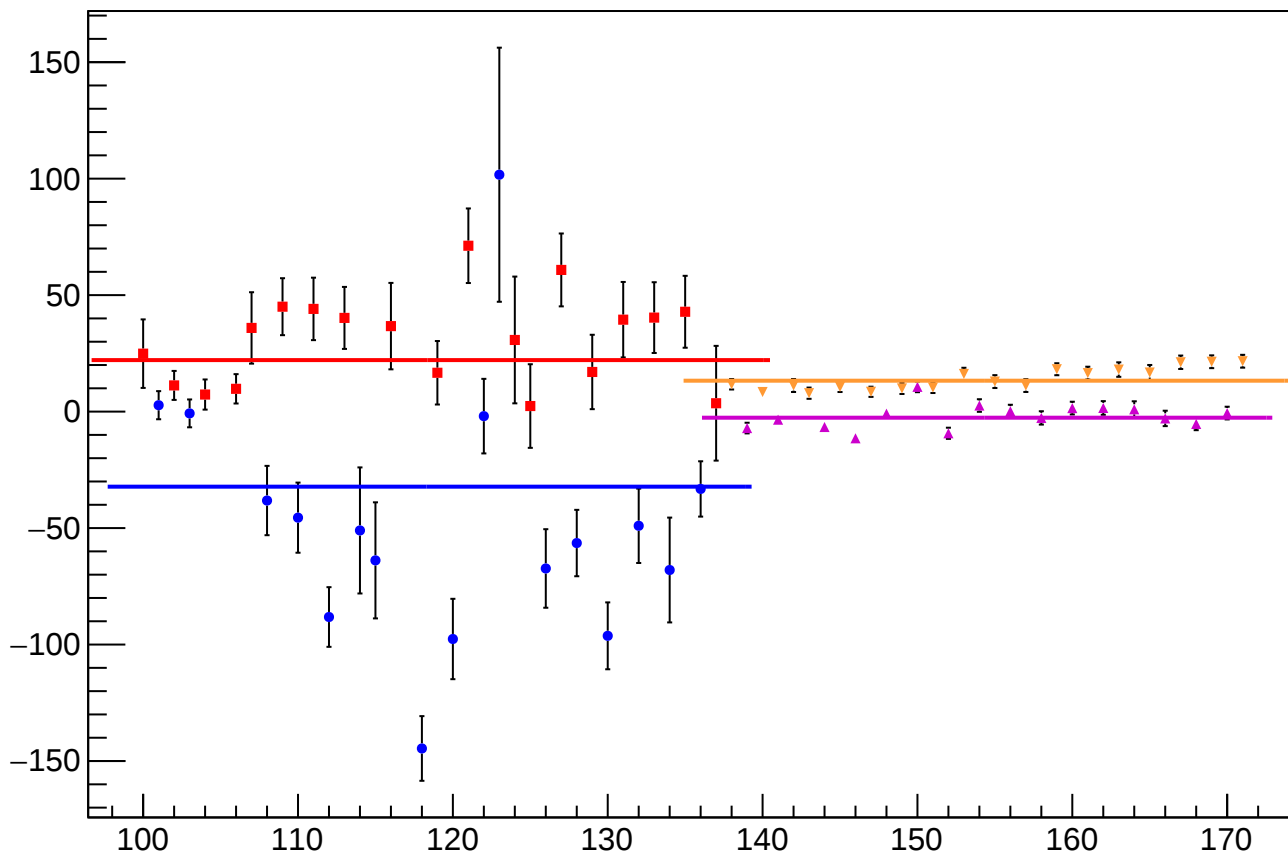
Left In: 16494.402 $\pm$ 4.369 χ^2 /NDF: 5908208.5/15

+ sign 3848.247 $\pm$ 1.211 χ^2 /NDF: 22722025.7/34

All: 3911.552 $\pm$ 0.885 χ^2 /NDF: 45464519.0/6

- sign 3984.272 $\pm$ 1.298 χ^2 /NDF: 22736621.0/34

diff_bpm0l04X_mean vs Slug



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

Left Out: 13.268 ± 0.602 χ^2/NDF : 56.6/17

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

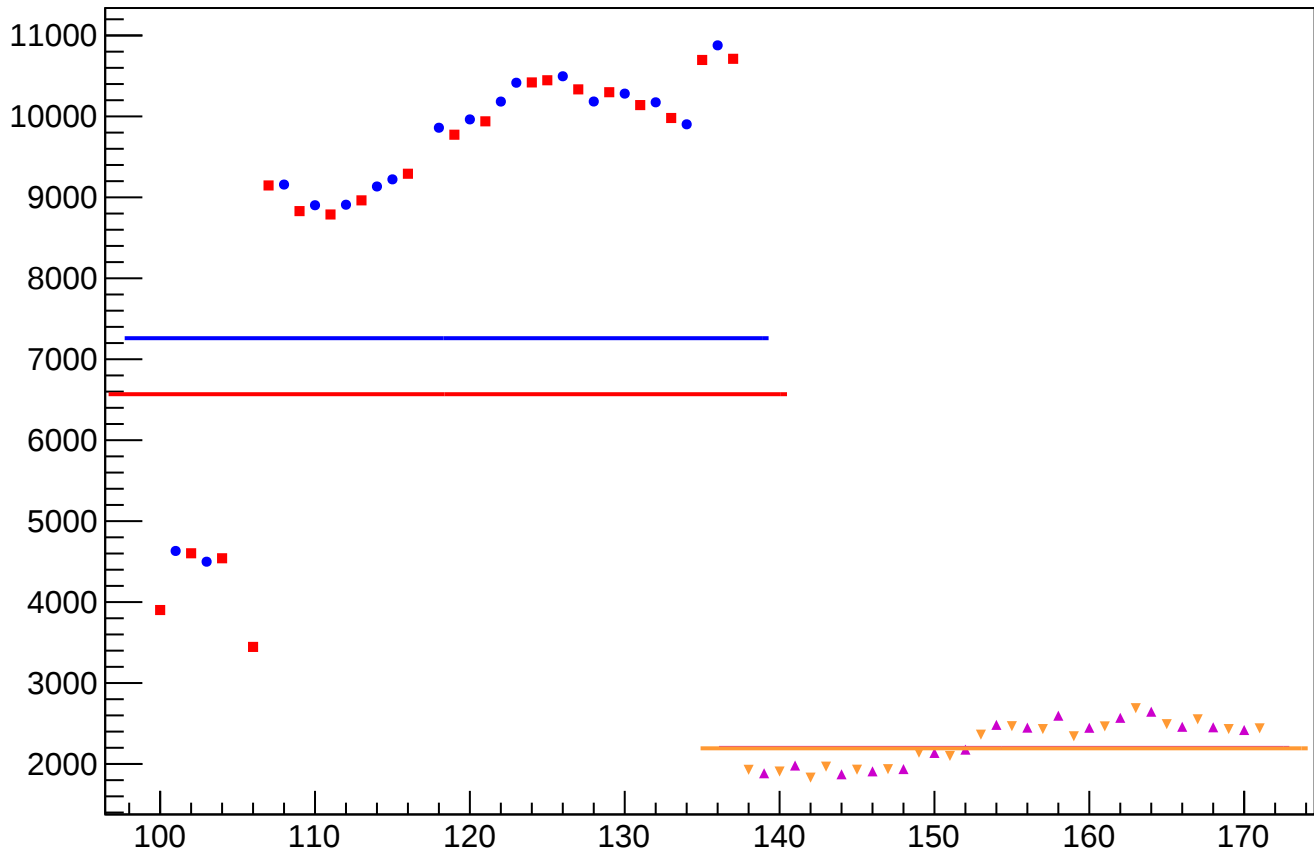
Left In: -2.618 ± 0.627 χ^2/NDF : 78.7/15

+ sign 11.487 ± 0.590 χ^2/NDF : 484.0/34

All: 5.304 ± 0.424 χ^2/NDF : 915.2/69

- 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: 2193.322 $\pm$ 0.426 χ^2 /NDF: 374044.4/17

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

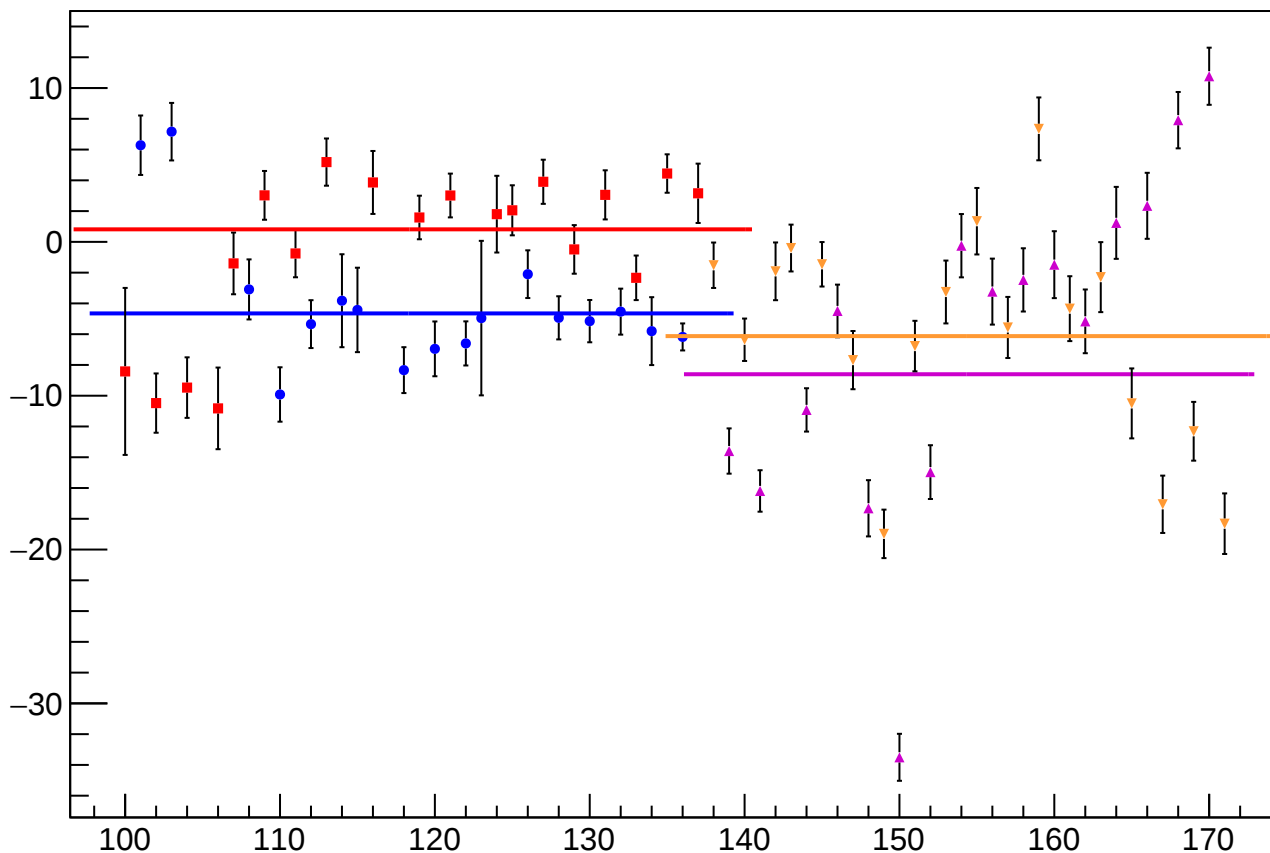
Left In: 2198.426 $\pm$ 0.444 χ^2 /NDF: 381410.1/15

+ sign 2391.724 $\pm$ 0.417 χ^2 /NDF: 7560540.5/34

All: 2408.855 $\pm$ 0.300 χ^2 /NDF: 15221148.0/6

- 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: -6.126 ± 0.422 χ^2/NDF : 254.8/17

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

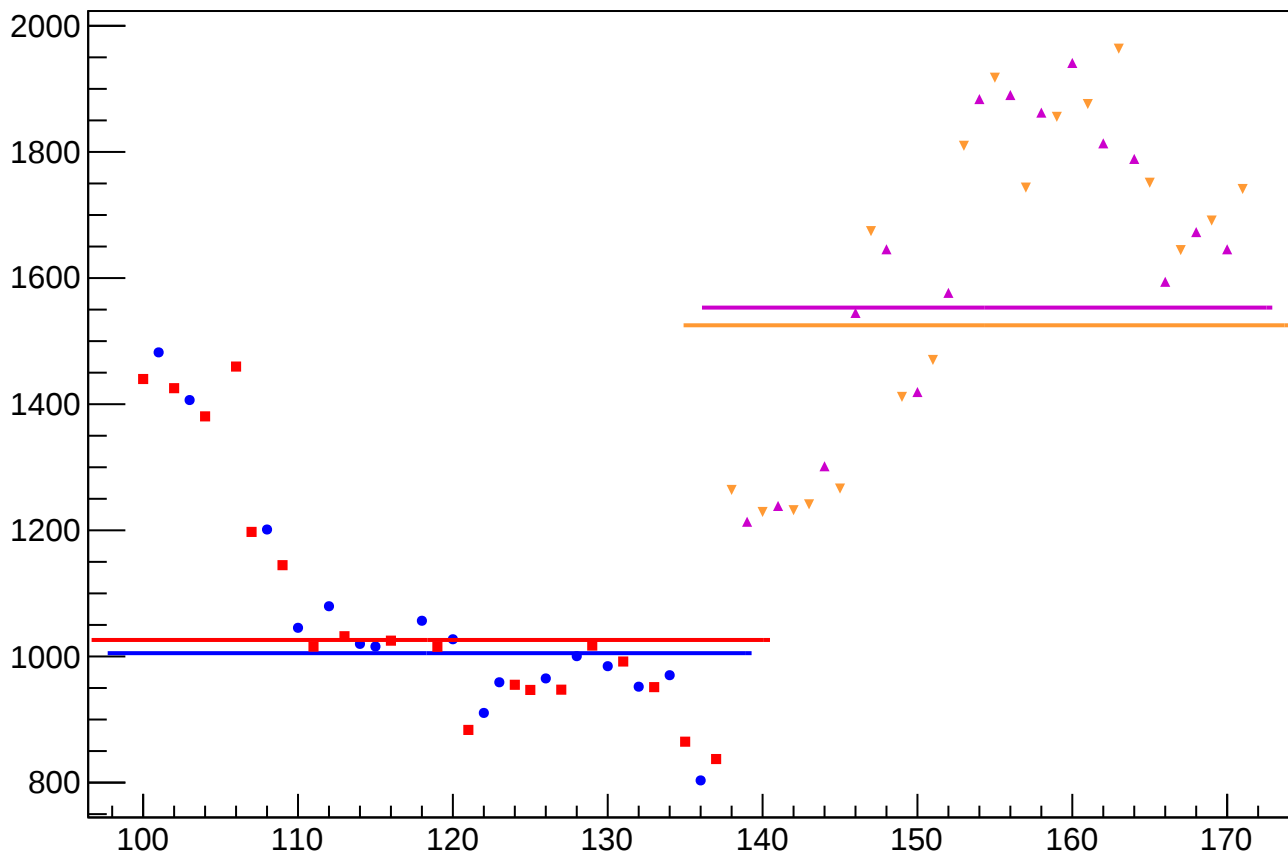
Left In: -8.604 ± 0.446 χ^2/NDF : 632.5/15

+ sign -5.335 ± 0.288 χ^2/NDF : 358.9/34

All: -4.313 ± 0.205 χ^2/NDF : 1394.6/69

- 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: 1525.123+/-0.299 χ^2/NDF : 740588.5/17

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

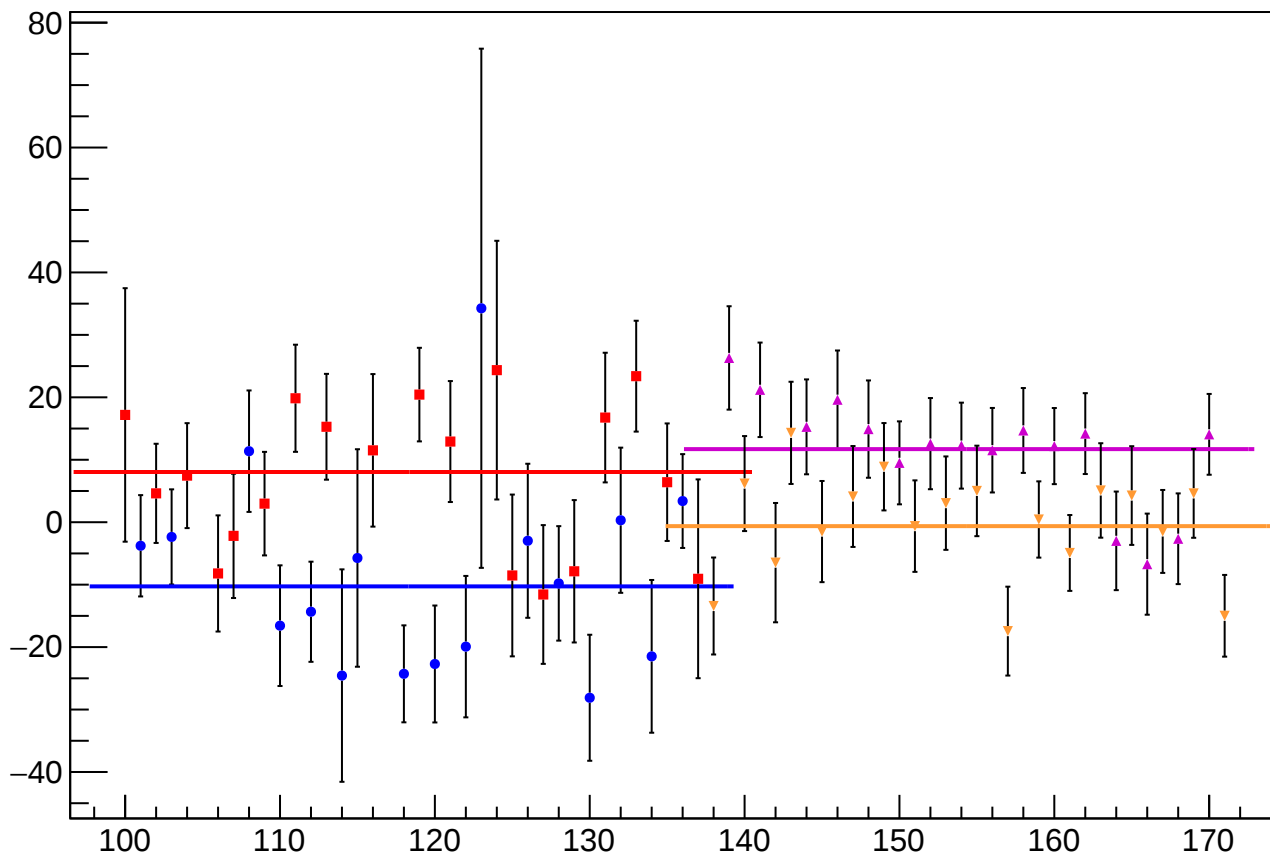
Left In: 1553.172+/-0.315 χ^2/NDF : 576179.5/15

+ sign 1246.350+/-0.203 χ^2/NDF : 2728939.0/34

All: 1249.975+/-0.145 χ^2/NDF : 5228162.2/69

- 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: -0.629 ± 1.717 χ^2/NDF : 22.7/17

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

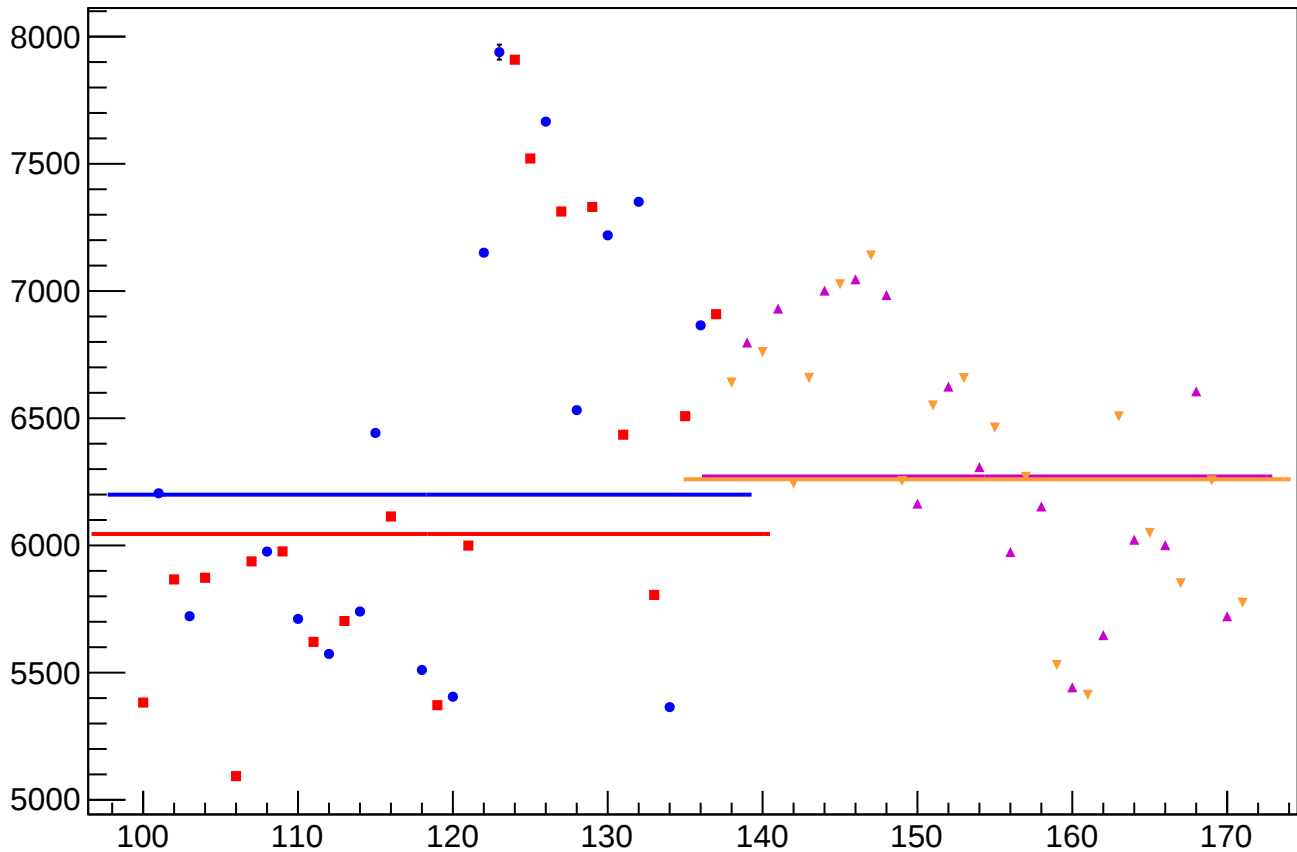
Left In: 11.705 ± 1.788 χ^2/NDF : 19.2/15

+ sign -3.881 ± 1.398 χ^2/NDF : 56.8/34

All: 3.170 ± 0.991 χ^2/NDF : 151.6/69

- 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: 6260.163 $\pm$ 1.214 χ^2 /NDF:159805.3/17

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

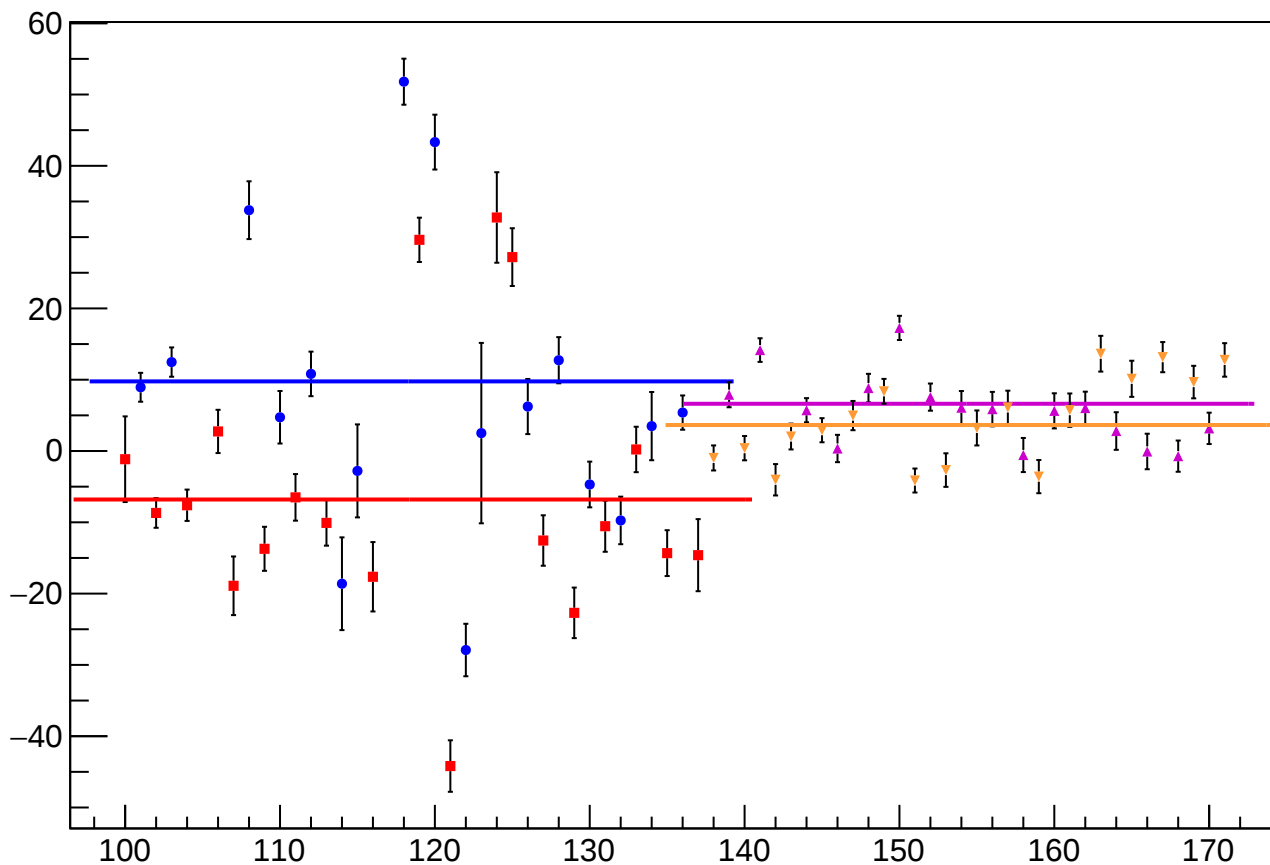
Left In: 6271.054 $\pm$ 1.264 χ^2 /NDF:166002.4/15

+ sign 6239.757 $\pm$ 0.988 χ^2 /NDF: 332404.1/34

All: 6212.534 $\pm$ 0.701 χ^2 /NDF: 670422.2/69

- 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: 3.645 ± 0.485 χ^2/NDF : 136.4/17

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

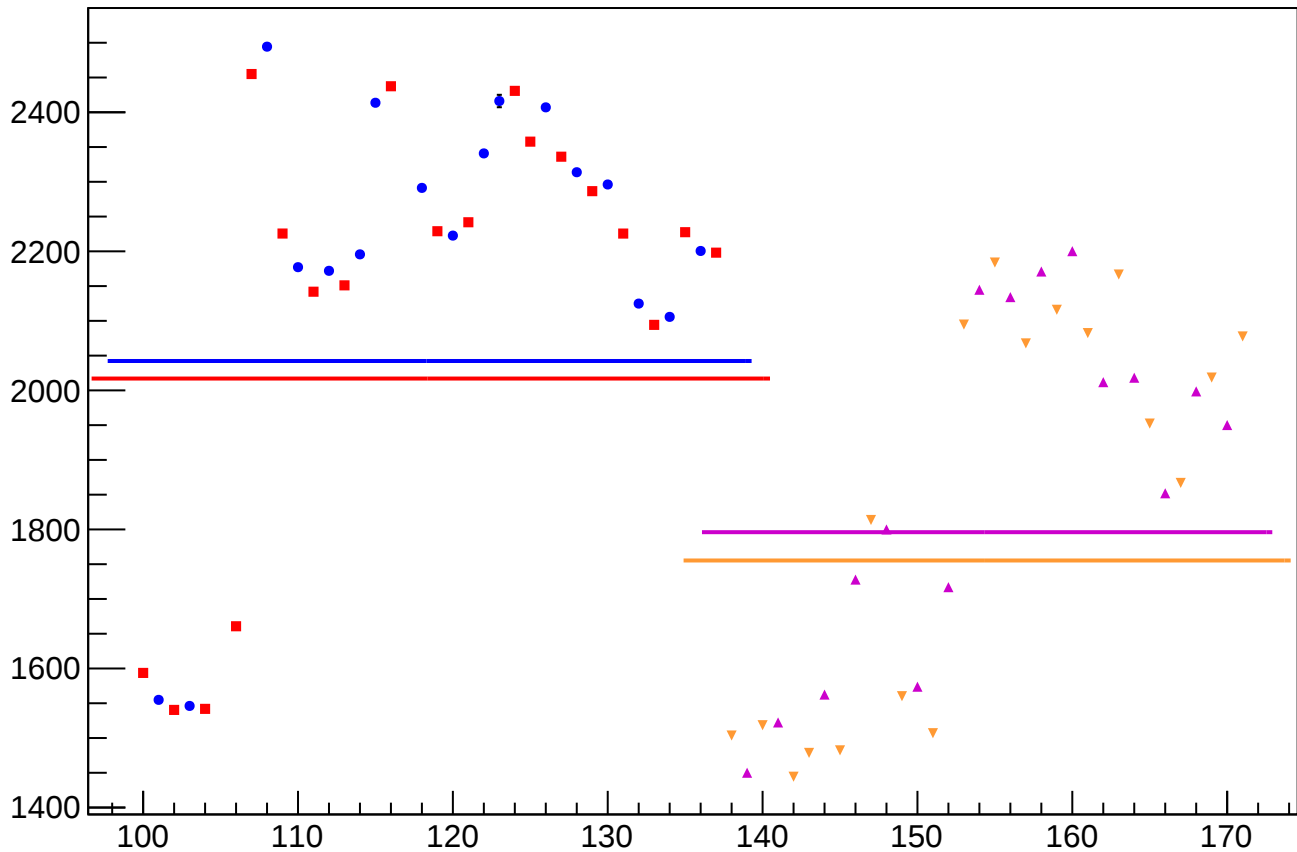
Left In: 6.625 ± 0.514 χ^2/NDF : 105.4/15

+ sign 5.298 ± 0.414 χ^2/NDF : 653.3/34

All: 3.915 ± 0.297 χ^2/NDF : 1415.8/69

- 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: 1755.342+/-0.343 χ^2/NDF : 649465.2/17

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

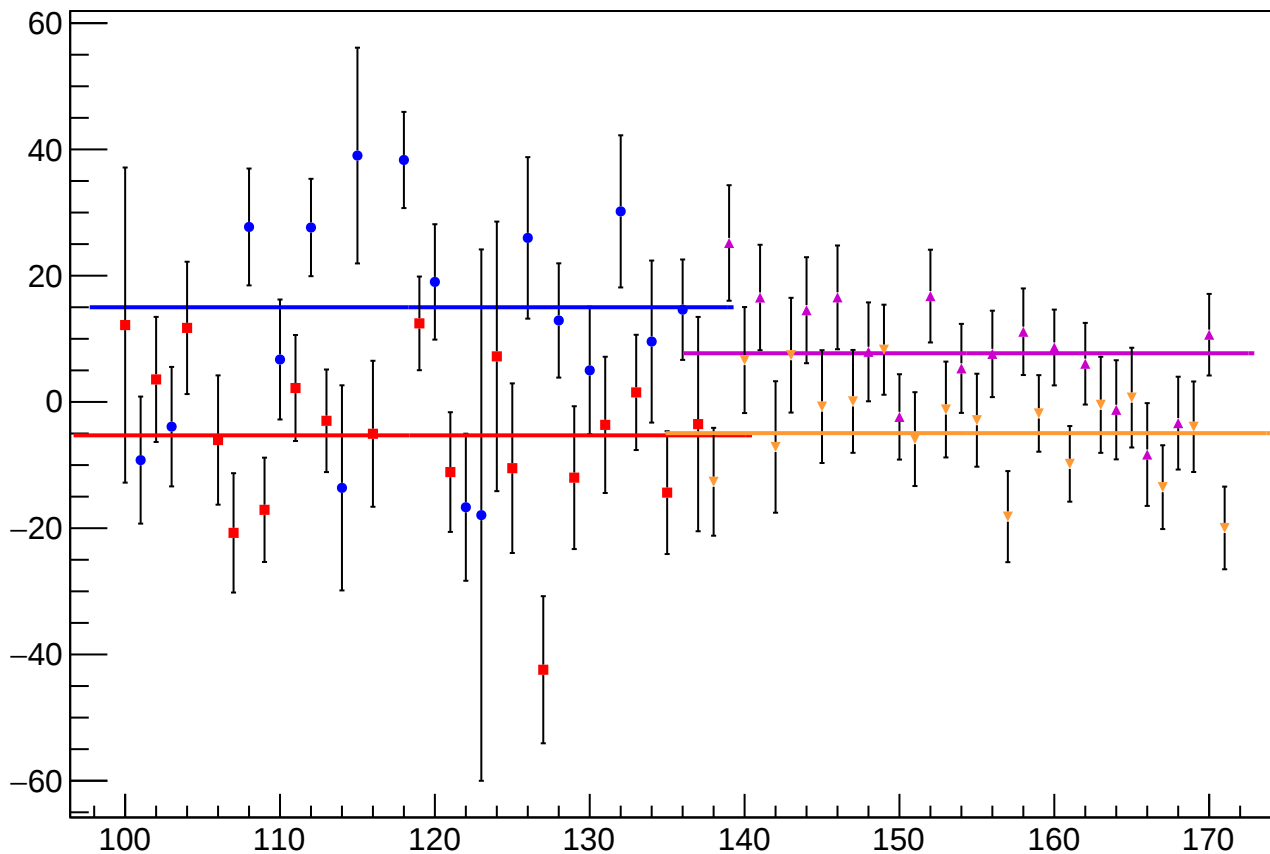
Left In: 1796.051+/-0.363 χ^2/NDF : 456713.1/15

+ sign 1832.833+/-0.293 χ^2/NDF : 1195565.4/34

All: 1848.345+/-0.210 χ^2/NDF : 2148718.3/69

- 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: -4.942 ± 1.758 χ^2/NDF : 21.1/17

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

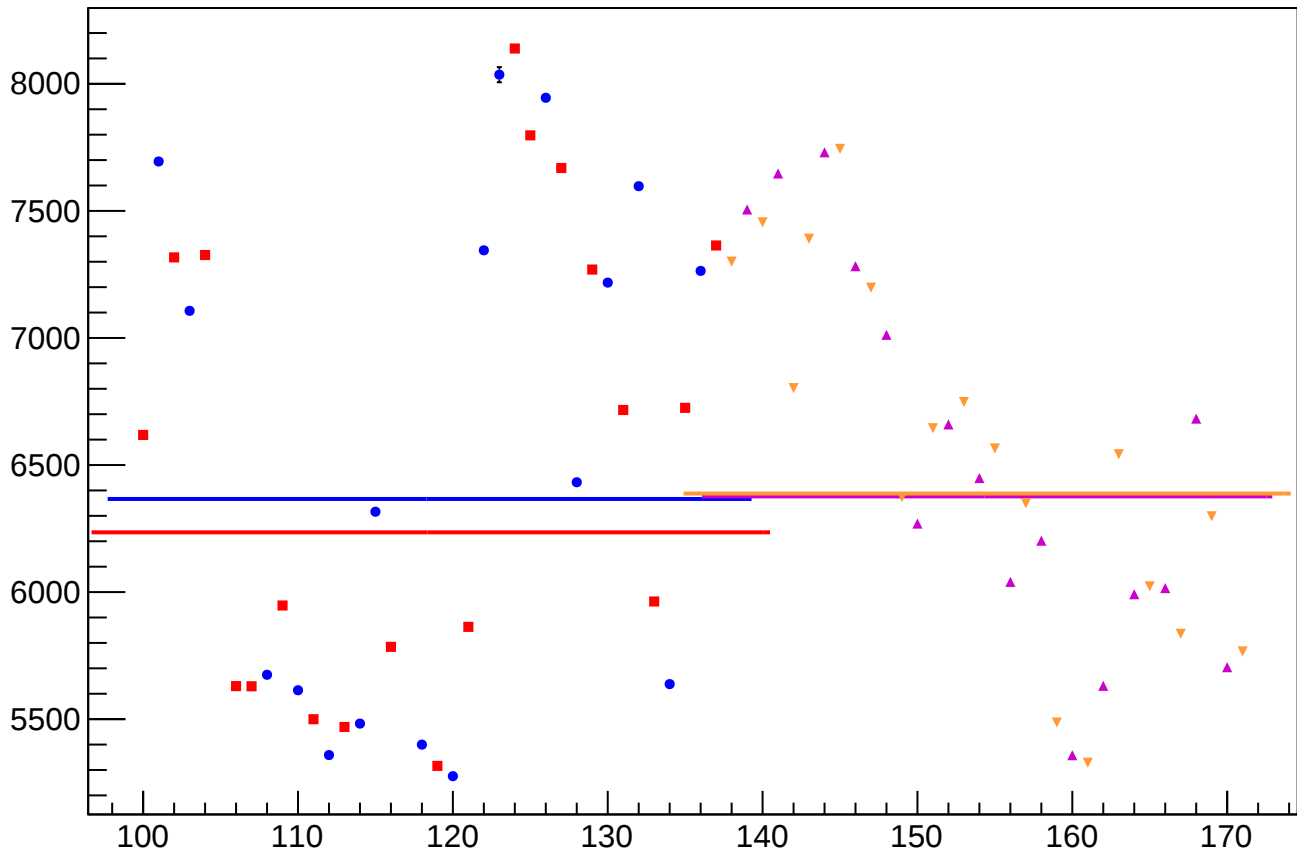
Left In: 7.712 ± 1.825 χ^2/NDF : 18.4/15

+ sign 1.709 ± 1.435 χ^2/NDF : 105.3/34

All: 2.271 ± 1.018 χ^2/NDF : 171.1/69

- 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: 6387.875+/-1.243 χ^2/NDF : 300586.4/17

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

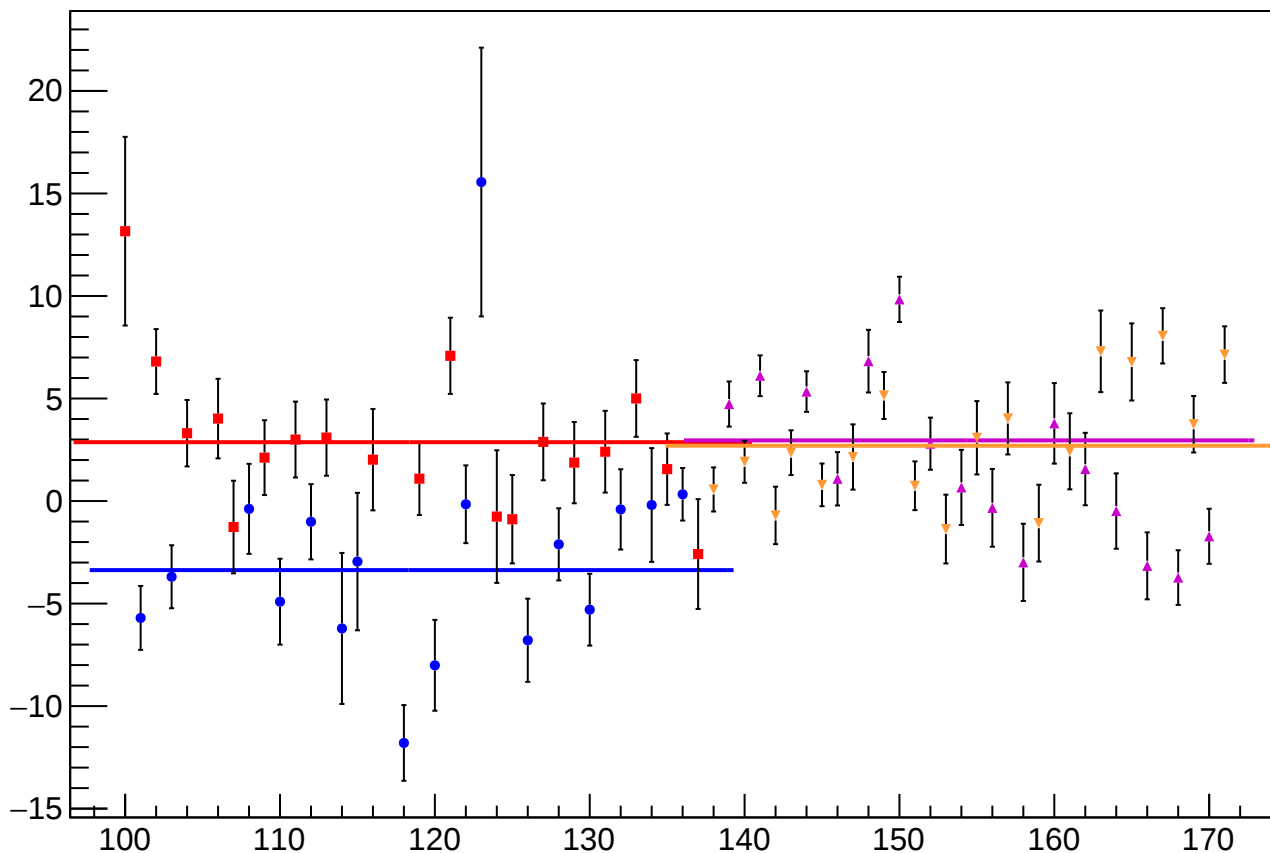
Left In: 6376.463+/-1.291 χ^2/NDF : 294041.8/15

+ sign 6380.742+/-1.015 χ^2/NDF : 587179.6/34

All: 6352.279+/-0.720 χ^2/NDF : 1130497.8/69

- 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: 2.699 ± 0.322 χ^2/NDF : 68.7/17

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

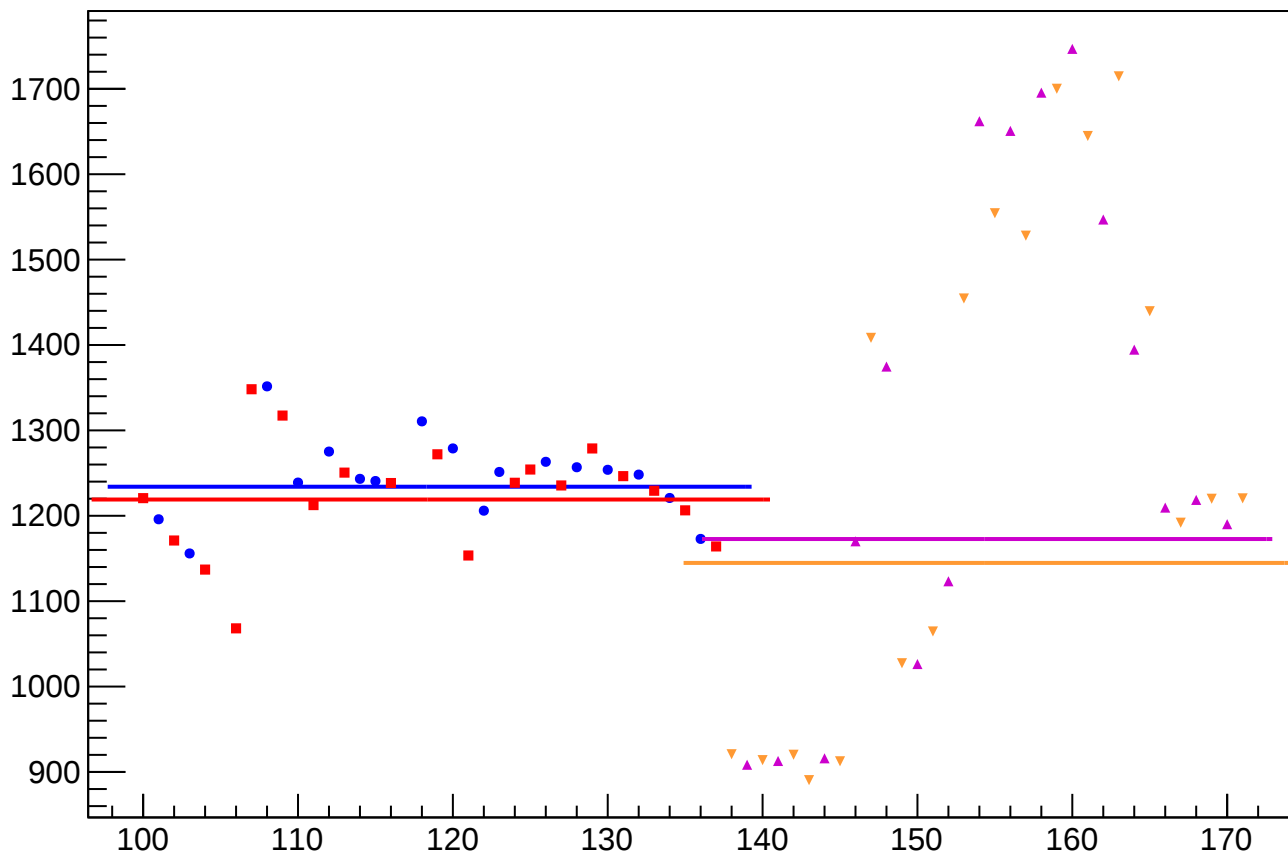
Left In: 2.958 ± 0.342 χ^2/NDF : 136.0/15

+ sign 0.793 ± 0.266 χ^2/NDF : 240.2/34

All: 1.832 ± 0.191 χ^2/NDF : 439.5/69

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

diff_bpm0l06Y_rms vs Slug



Right In: 1234.032 $\pm$ 0.336 χ^2 /NDF: 23565.3/16

Left Out: 1144.798 $\pm$ 0.228 χ^2 /NDF:1350039.6/17

Right Out: 1219.041 $\pm$ 0.323 χ^2 /NDF: 40370.4/18

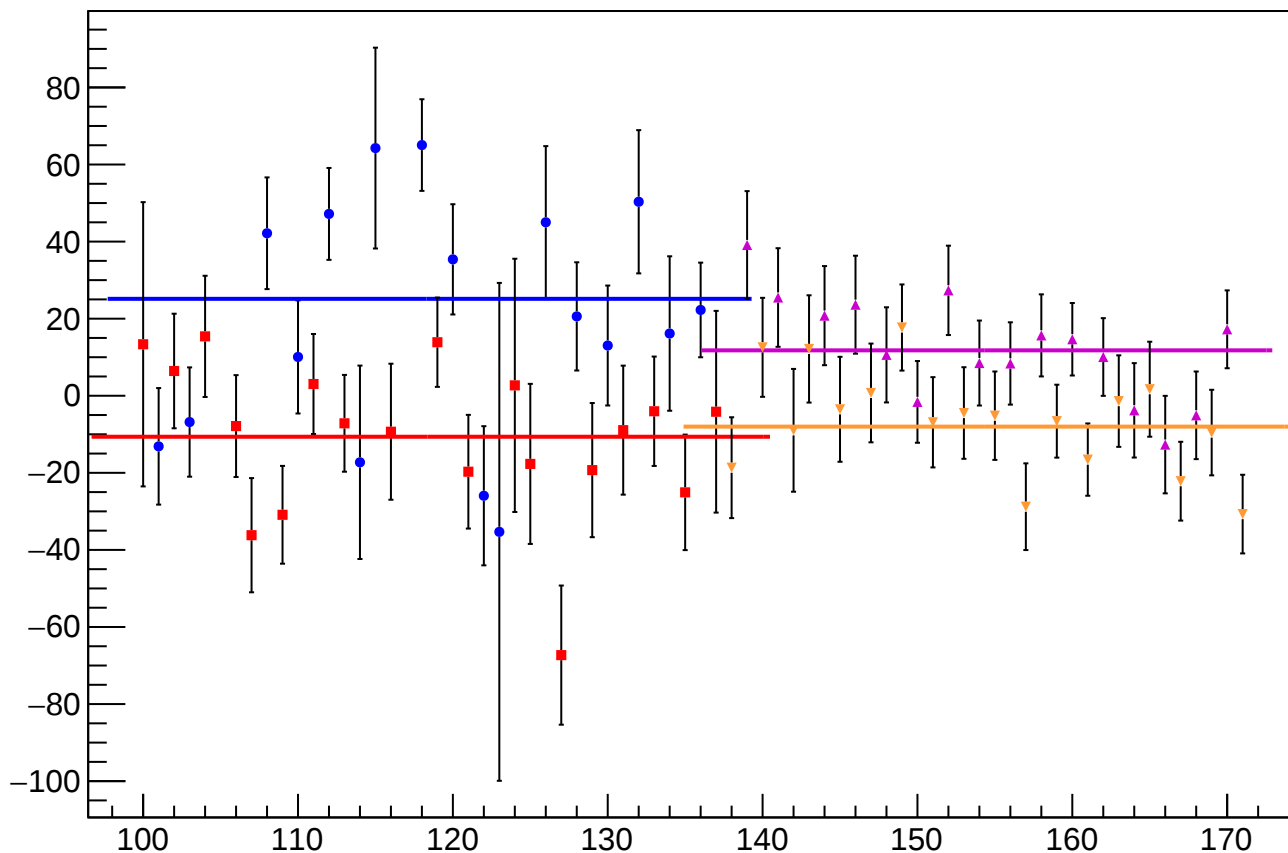
Left In: 1172.775 $\pm$ 0.242 χ^2 /NDF:1177654.3/15

+ sign 1172.822 $\pm$ 0.188 χ^2 /NDF: 1421914.4/34

All: 1180.897 $\pm$ 0.135 χ^2 /NDF: 2656872.9/69

- sign 1189.416 $\pm$ 0.194 χ^2 /NDF: 1231185.0/34

diff_bpm0l07X_mean vs Slug



Right In: 25.149 ± 3.837 χ^2/NDF : 46.9/16

Left Out: -8.010 ± 2.733 χ^2/NDF : 23.4/17

Right Out: -10.634 ± 3.595 χ^2/NDF : 27.7/18

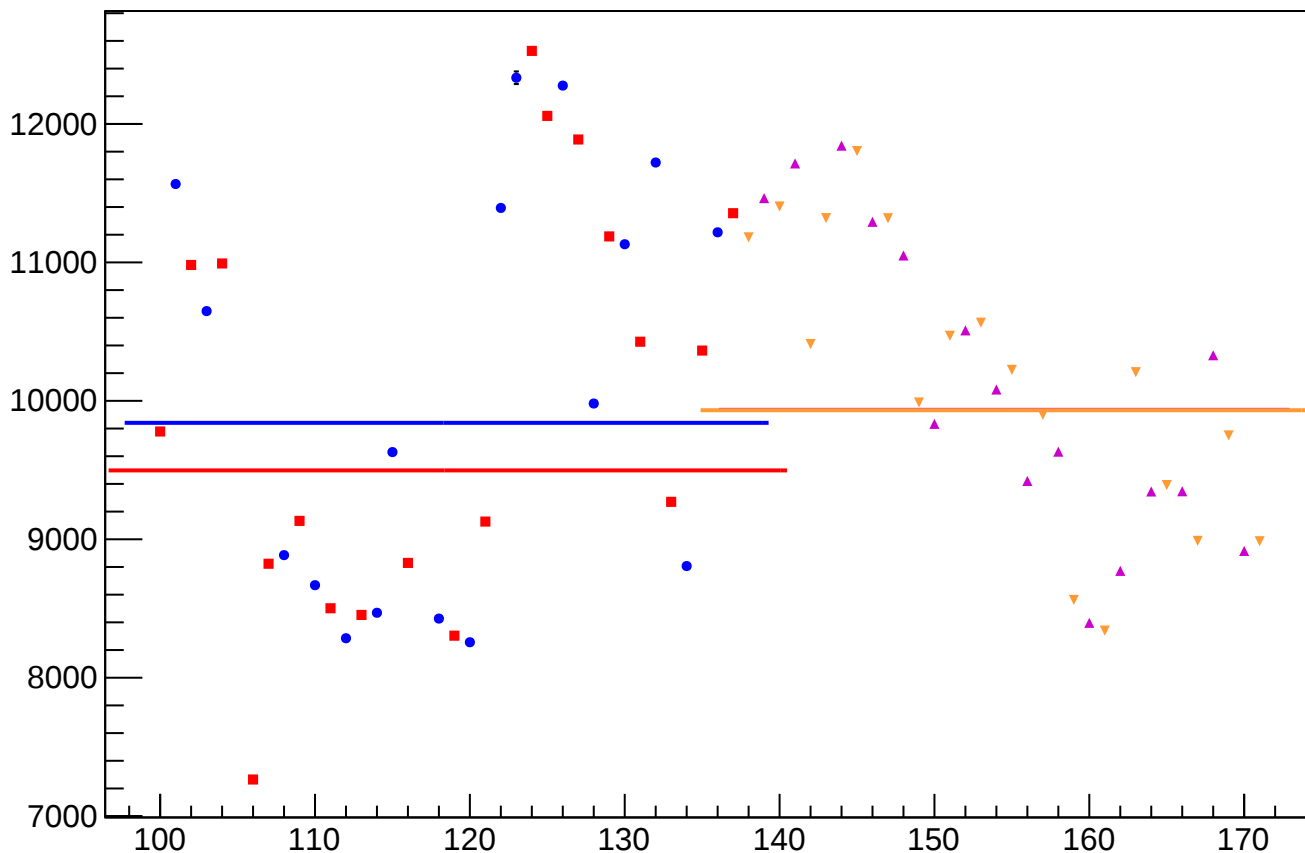
Left In: 11.781 ± 2.842 χ^2/NDF : 18.0/15

+ sign 3.150 ± 2.226 χ^2/NDF : 119.9/34

All: 3.154 ± 1.575 χ^2/NDF : 189.6/69

- sign 3.157 ± 2.230 χ^2/NDF : 69.6/34

diff_bpm0l07X_rms vs Slug



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

Left Out: 9932.250+/-1.933 χ^2/NDF : 277871.2/17

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

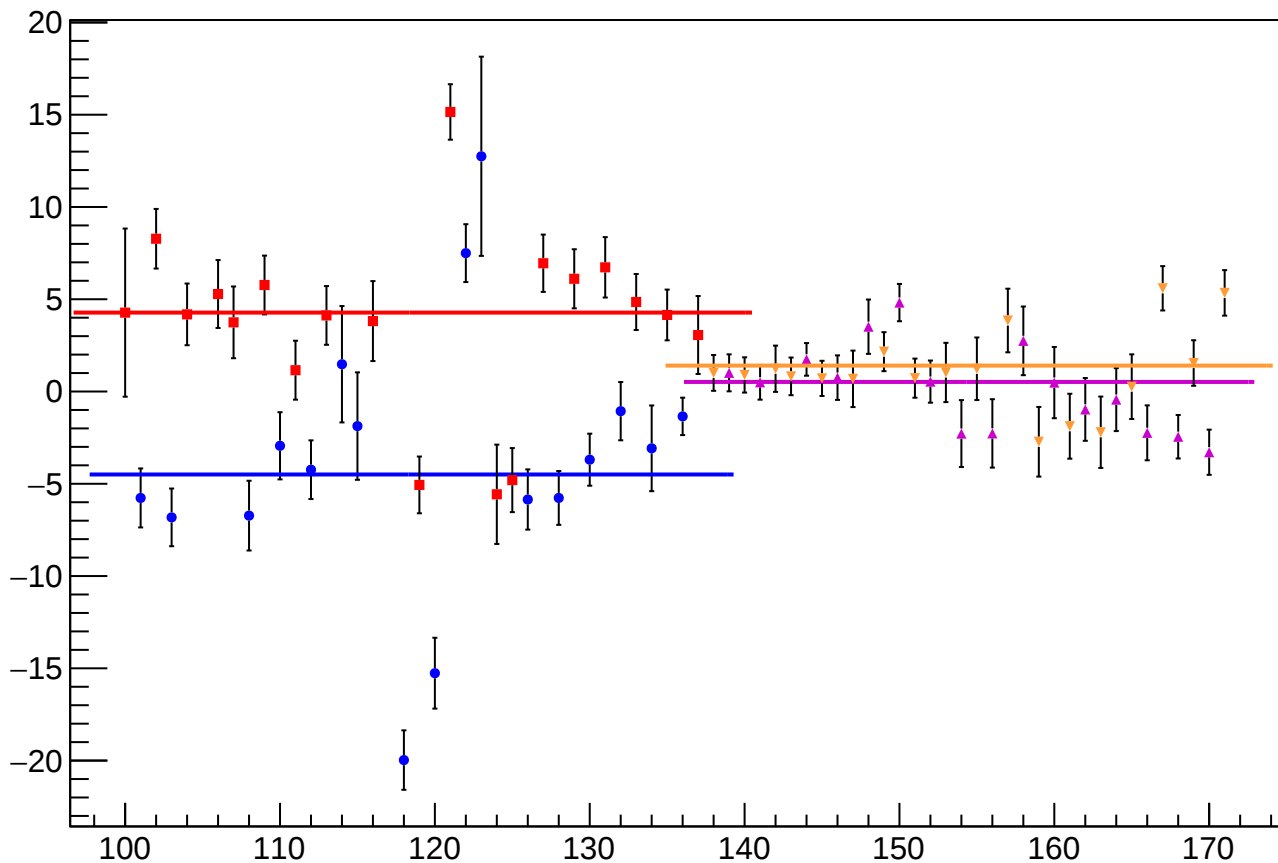
Left In: 9935.035+/-2.010 χ^2/NDF : 269373.9/15

+ sign 9901.599+/-1.574 χ^2/NDF : 538681.1/34

All: 9834.255+/-1.114 χ^2/NDF : 1106653.9/69

- 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: 1.405 ± 0.297 χ^2/NDF : 39.1/17

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

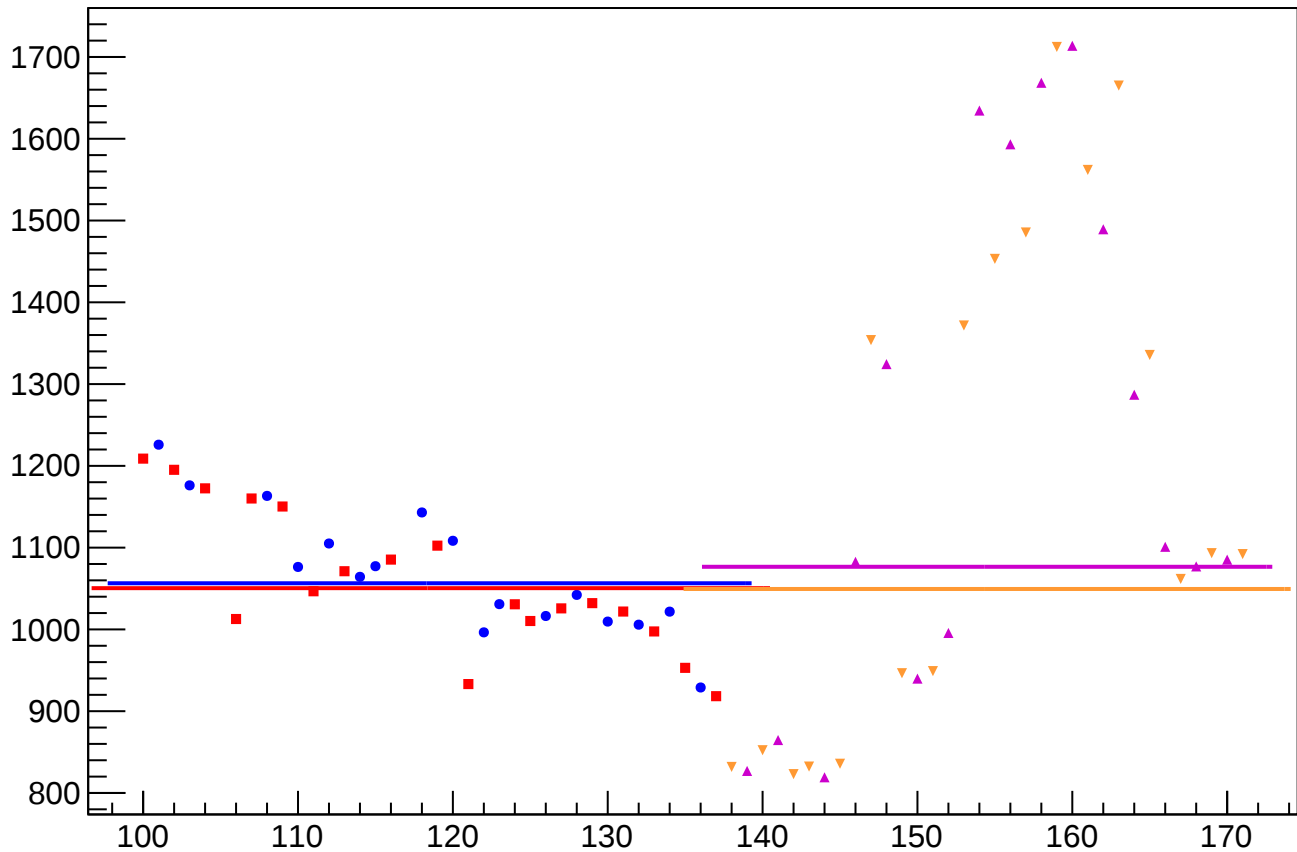
Left In: 0.519 ± 0.317 χ^2/NDF : 51.1/15

+ sign -0.637 ± 0.240 χ^2/NDF : 394.2/34

All: 0.642 ± 0.172 χ^2/NDF : 707.2/69

- 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: 1049.456 $\pm$ 0.210 χ^2 /NDF:1557908.9/17

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

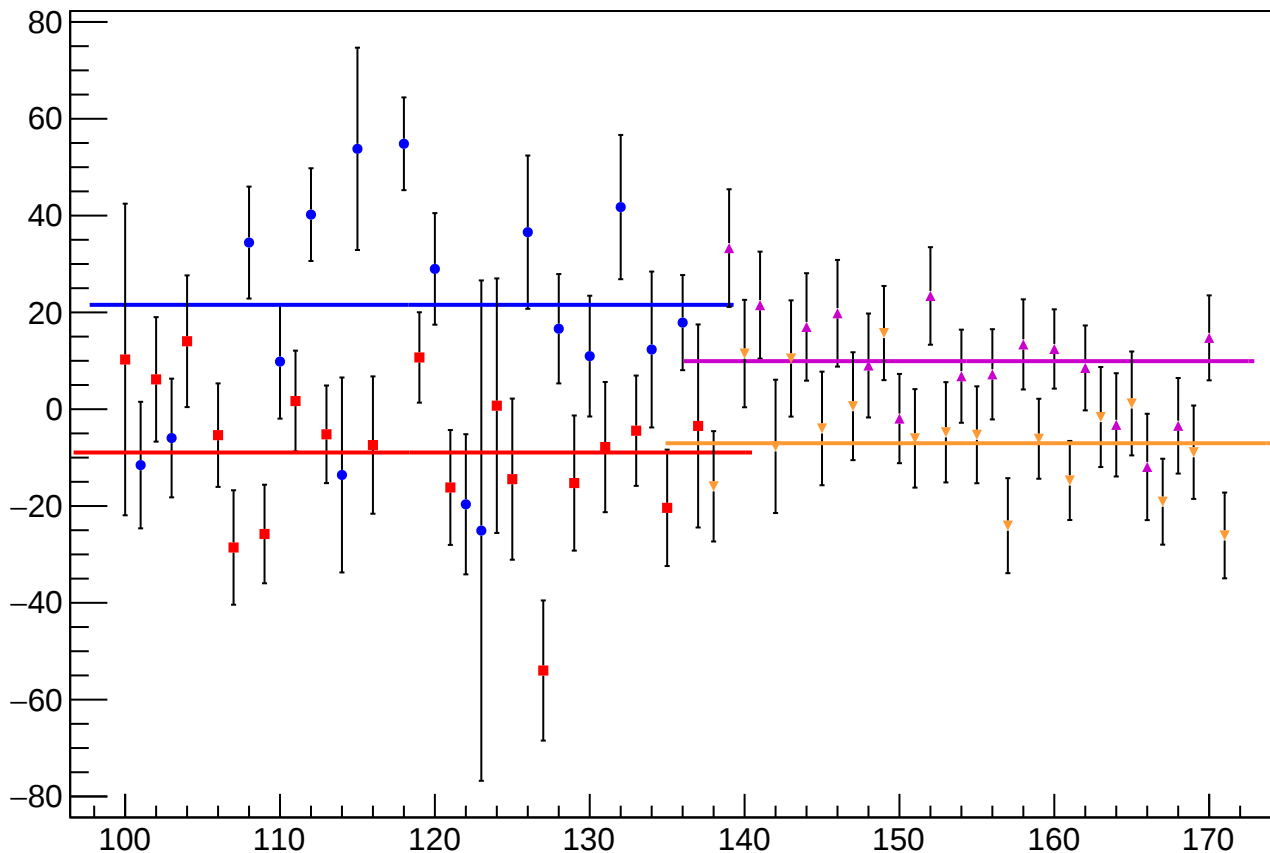
Left In: 1076.589 $\pm$ 0.224 χ^2 /NDF:1412357.6/15

+ sign 1051.871 $\pm$ 0.170 χ^2 /NDF: 1649064.4/34

All: 1058.902 $\pm$ 0.122 χ^2 /NDF: 3152700.4/69

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

diff_bpm0l08X_mean vs Slug



Right In: 21.561 ± 3.110 $\chi^2/\text{NDF}: 48.4/16$

Left Out: -7.030 ± 2.376 $\chi^2/\text{NDF}: 22.9/17$

Right Out: -8.943 ± 2.912 $\chi^2/\text{NDF}: 27.4/18$

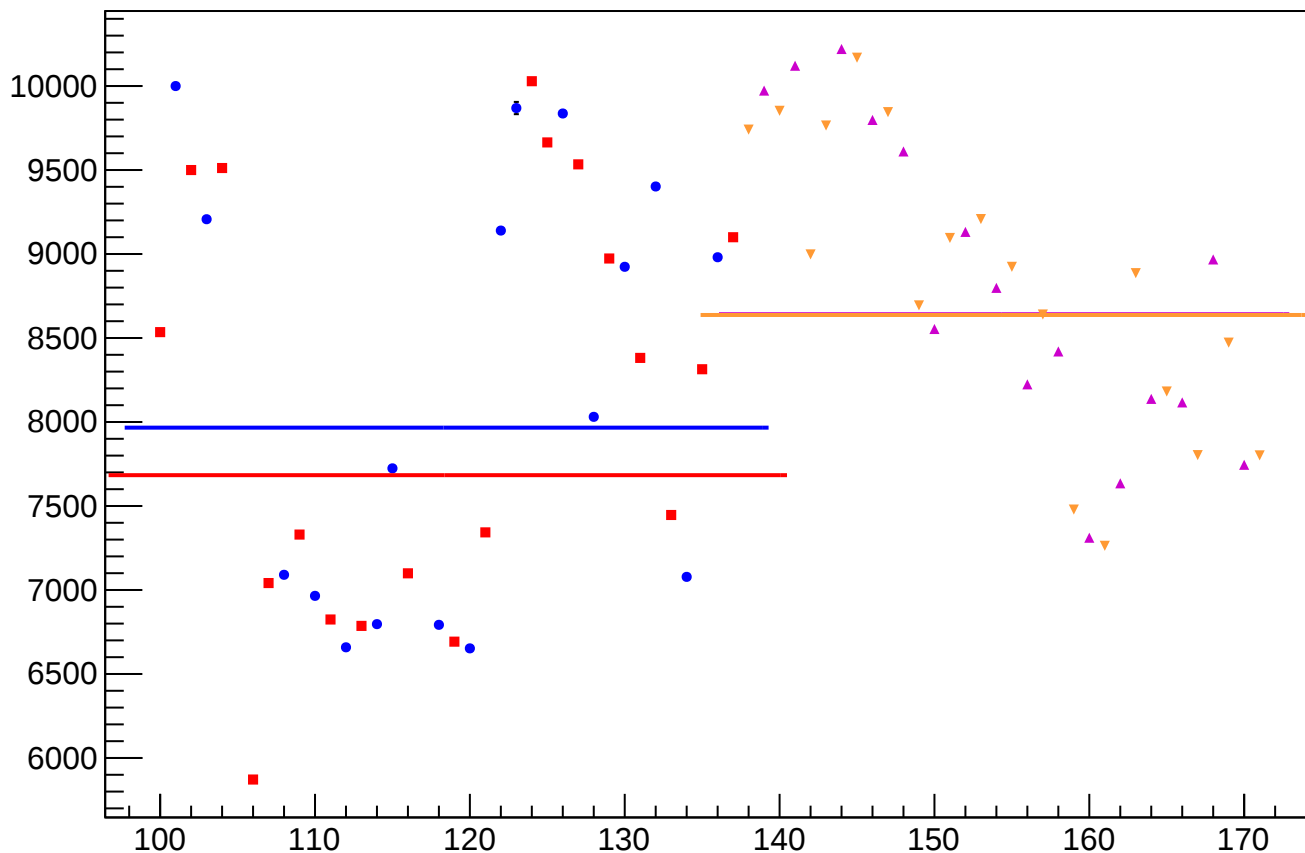
Left In: 9.928 ± 2.472 $\chi^2/\text{NDF}: 17.5/15$

+ sign 3.507 ± 1.888 $\chi^2/\text{NDF}: 124.7/34$

All: 2.765 ± 1.334 $\chi^2/\text{NDF}: 194.3/69$

- sign 2.025 ± 1.884 $\chi^2/\text{NDF}: 69.4/34$

diff_bpm0l08X_rms vs Slug



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

Left Out: 8637.085 $\pm$ 1.680 χ^2 /NDF: 267875.8/17

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

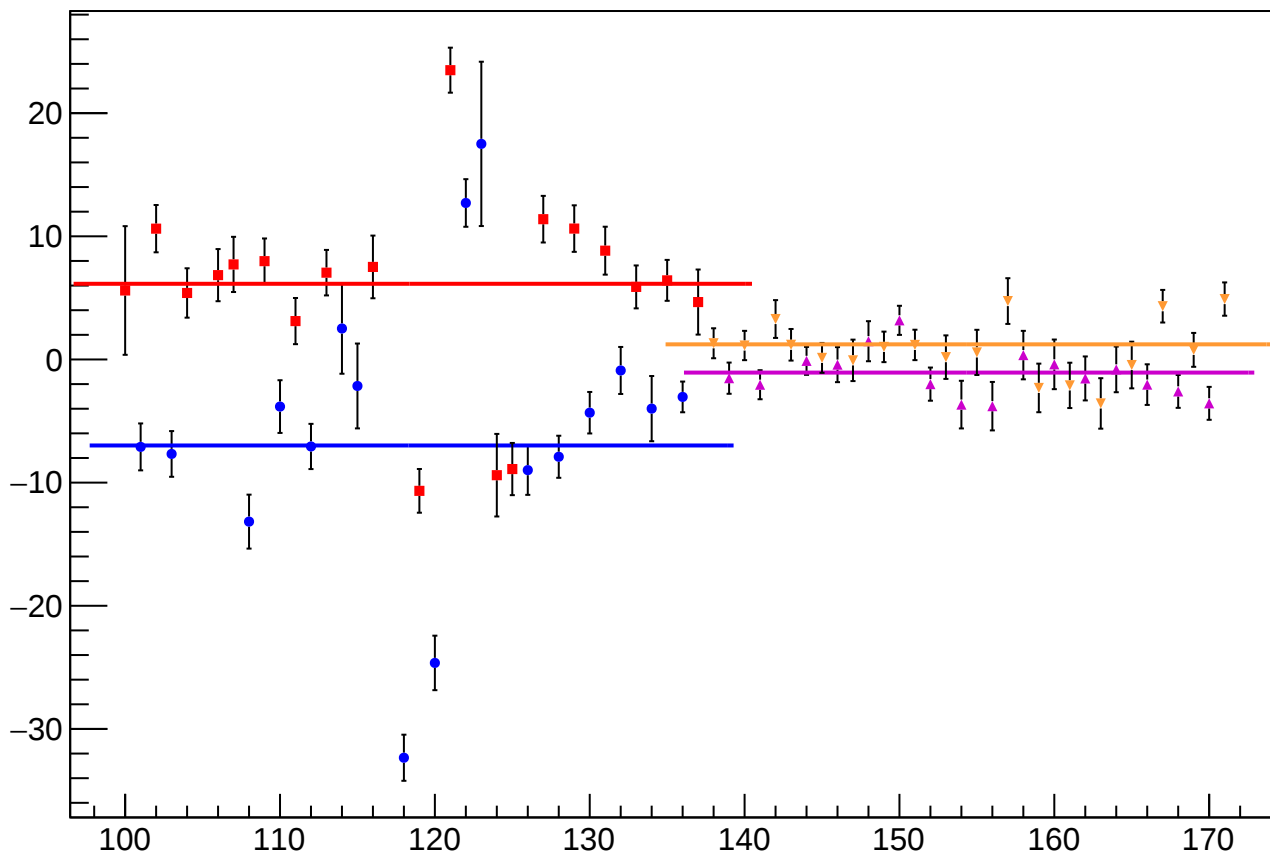
Left In: 8641.712 $\pm$ 1.748 χ^2 /NDF: 260370.0/15

+ sign 8389.920 $\pm$ 1.335 χ^2 /NDF: 623208.1/34

All: 8315.014 $\pm$ 0.943 χ^2 /NDF: 1330774.8/69

- 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: 1.228 ± 0.346 χ^2/NDF : 33.0/17

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

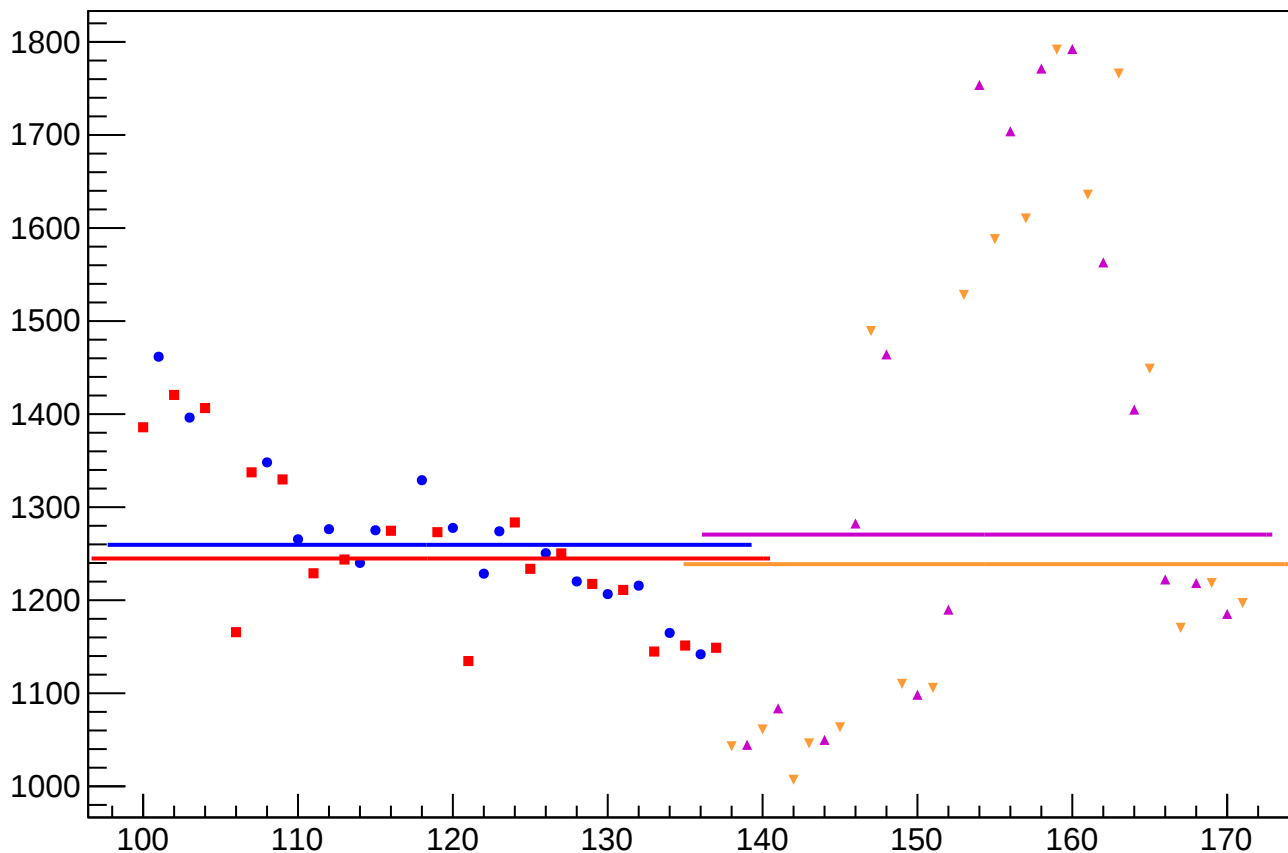
Left In: -1.066 ± 0.368 χ^2/NDF : 27.2/15

+ sign -1.528 ± 0.282 χ^2/NDF : 631.1/34

All: 0.044 ± 0.202 χ^2/NDF : 1146.9/69

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

diff_bpm0l08Y_rms vs Slug



Right In: 1259.531 $\pm$ 0.344 χ^2 /NDF: 64844.4/16

Left Out: 1238.767 $\pm$ 0.244 χ^2 /NDF: 939046.0/17

Right Out: 1244.837 $\pm$ 0.330 χ^2 /NDF: 66826.0/18

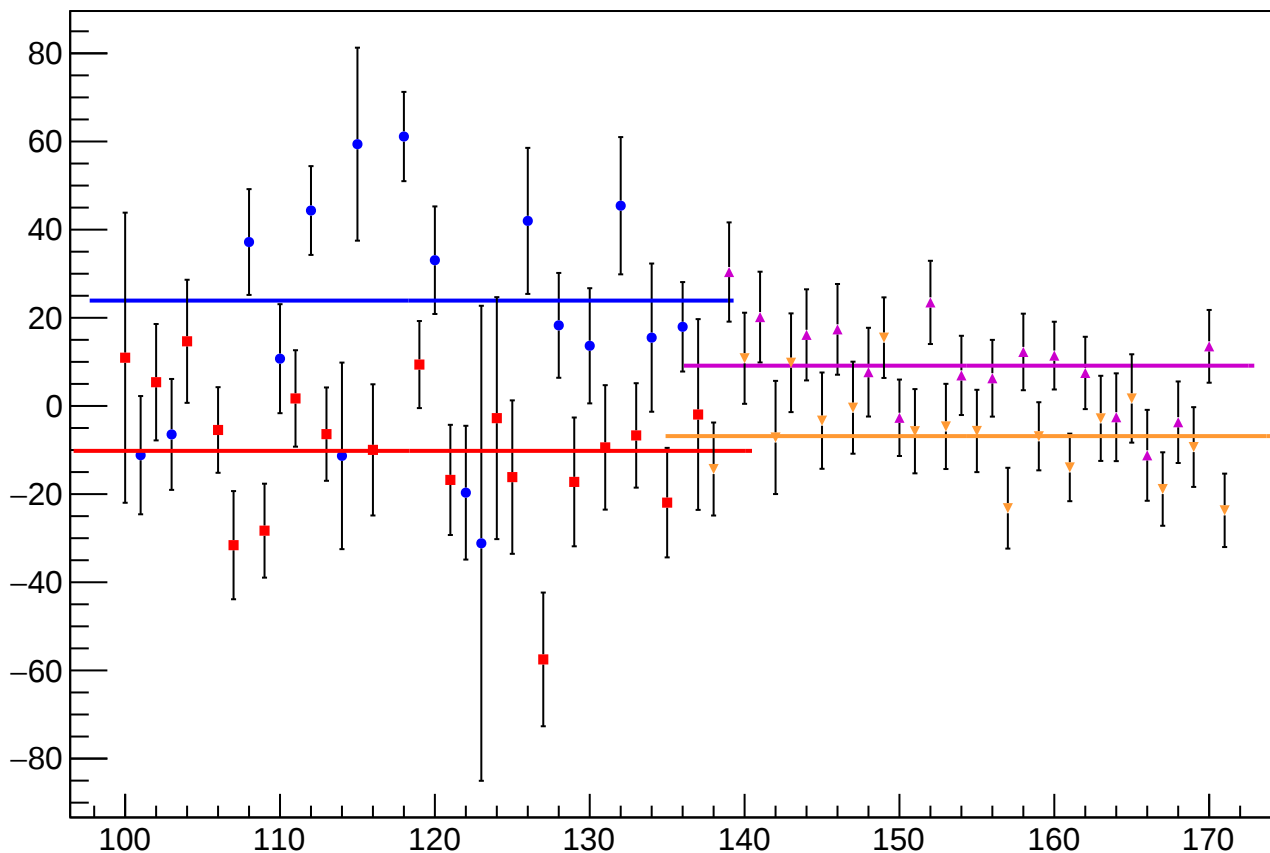
Left In: 1270.534 $\pm$ 0.260 χ^2 /NDF: 830118.6/15

+ sign 1245.735 $\pm$ 0.199 χ^2 /NDF: 1006314.2/34

All: 1253.015 $\pm$ 0.143 χ^2 /NDF: 1909740.8/69

- sign 1260.679 $\pm$ 0.204 χ^2 /NDF: 900683.4/34

diff_bpm0l09X_mean vs Slug



Right In: 23.904 ± 3.251 $\chi^2/\text{NDF}: 52.4/16$

Left Out: -6.841 ± 2.223 $\chi^2/\text{NDF}: 23.3/17$

Right Out: -10.190 ± 3.006 $\chi^2/\text{NDF}: 27.9/18$

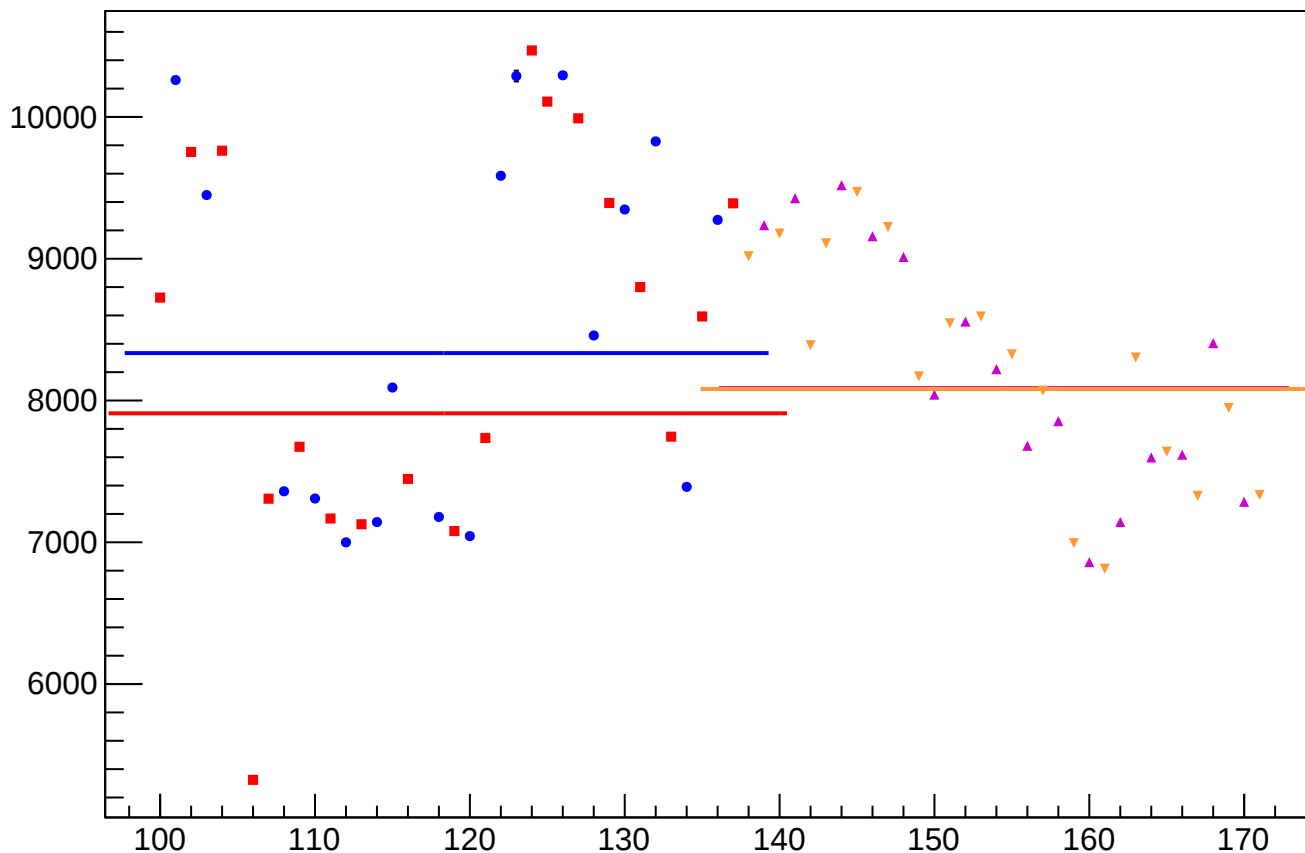
Left In: 9.138 ± 2.313 $\chi^2/\text{NDF}: 17.9/15$

+ sign 2.955 ± 1.835 $\chi^2/\text{NDF}: 136.7/34$

All: 2.452 ± 1.297 $\chi^2/\text{NDF}: 208.7/69$

- sign -1.951 ± 1.833 $\chi^2/\text{NDF}: 71.8/34$

diff_bpm0l09X_rms vs Slug



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

Left Out: 8081.524+/-1.572 χ^2/NDF : 256564.0/17

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

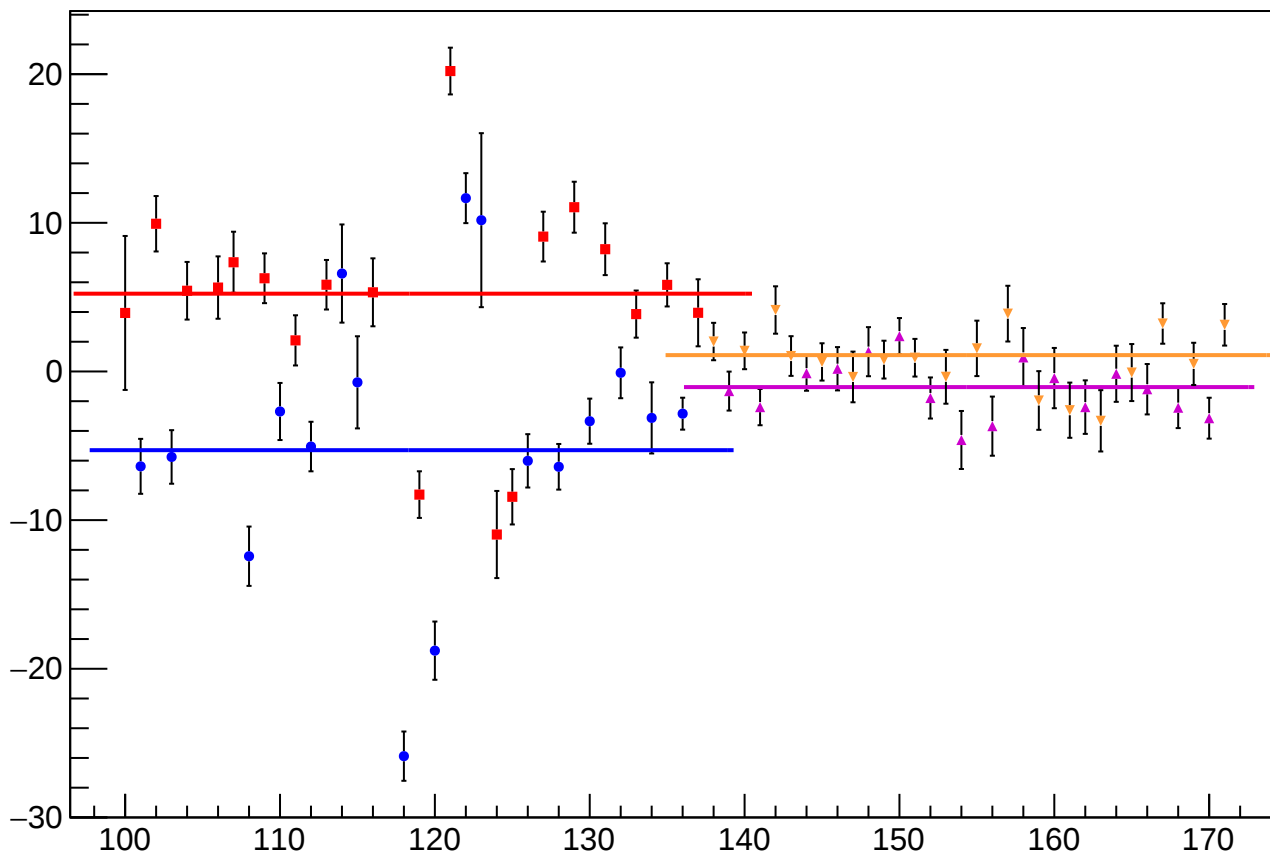
Left In: 8087.493+/-1.635 χ^2/NDF : 250542.5/15

+ sign 8162.123+/-1.297 χ^2/NDF : 537121.2/34

All: 8091.661+/-0.917 χ^2/NDF : 1188776.1/69

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

diff_bpm0l09Y_mean vs Slug



Right In: -5.295 ± 0.437 χ^2/NDF : 358.1/16

Left Out: 1.099 ± 0.355 χ^2/NDF : 24.2/17

Right Out: 5.233 ± 0.422 χ^2/NDF : 281.9/18

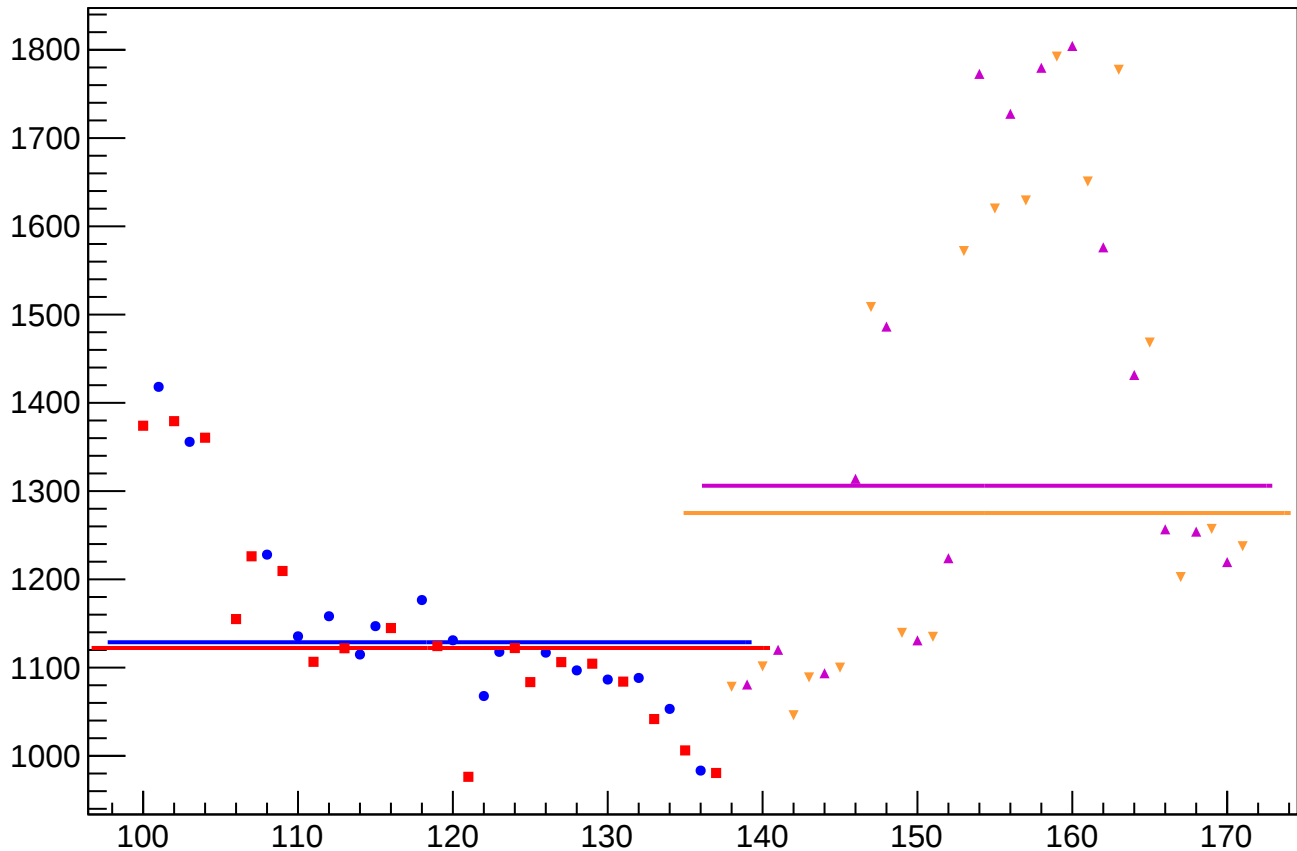
Left In: -1.051 ± 0.377 χ^2/NDF : 23.2/15

+ sign -1.442 ± 0.275 χ^2/NDF : 511.4/34

All: 0.118 ± 0.197 χ^2/NDF : 1005.4/69

- sign 1.744 ± 0.281 χ^2/NDF : 428.4/34

diff_bpm0l09Y_rms vs Slug



Right In: 1128.740 $\pm$ 0.309 χ^2 /NDF: 133096.9/16

Left Out: 1275.168 $\pm$ 0.251 χ^2 /NDF: 851890.0/17

Right Out: 1122.238 $\pm$ 0.298 χ^2 /NDF: 129601.6/18

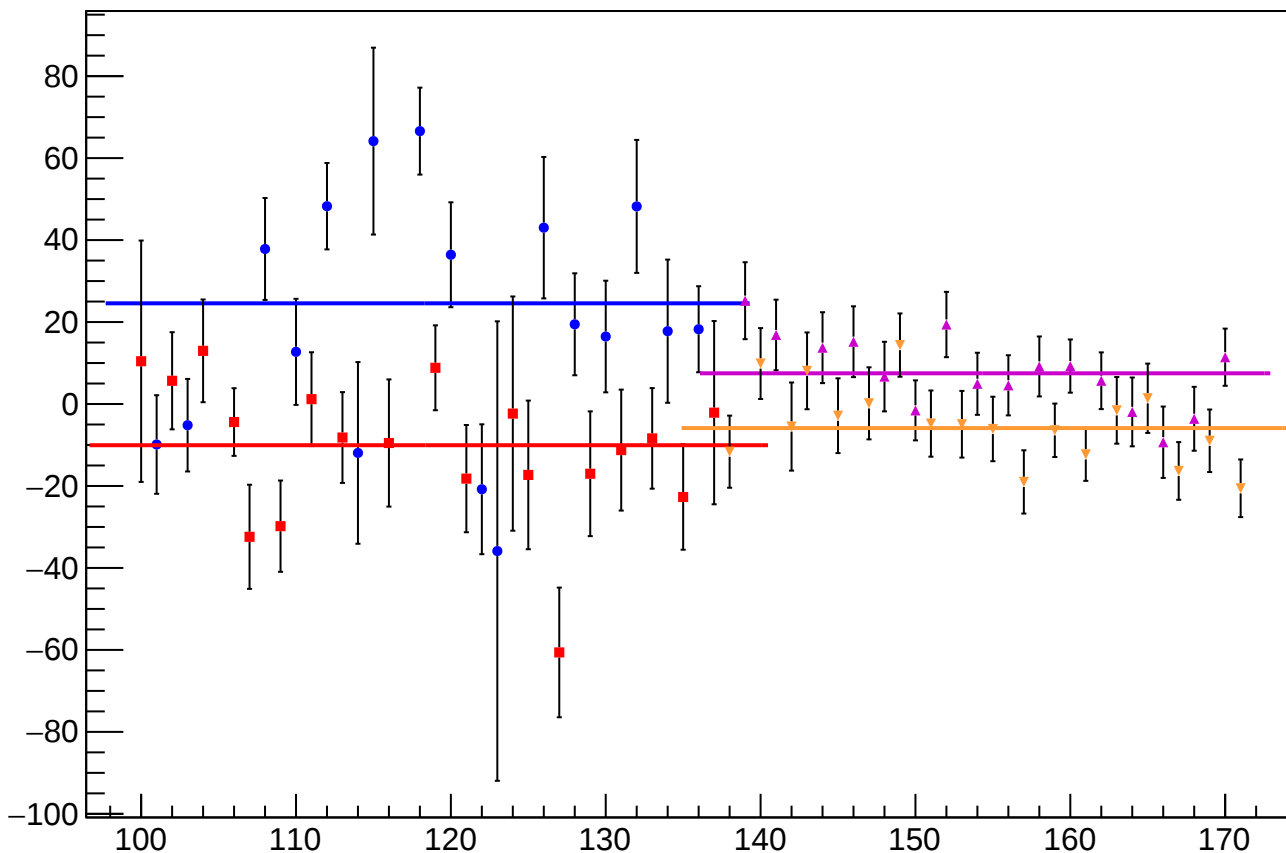
Left In: 1306.071 $\pm$ 0.267 χ^2 /NDF: 748974.8/15

+ sign 1216.963 $\pm$ 0.195 χ^2 /NDF: 1120378.9/34

All: 1220.554 $\pm$ 0.139 χ^2 /NDF: 2210705.6/69

- sign 1224.298 $\pm$ 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: -5.874 ± 1.871 $\chi^2/\text{NDF}: 25.1/17$

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

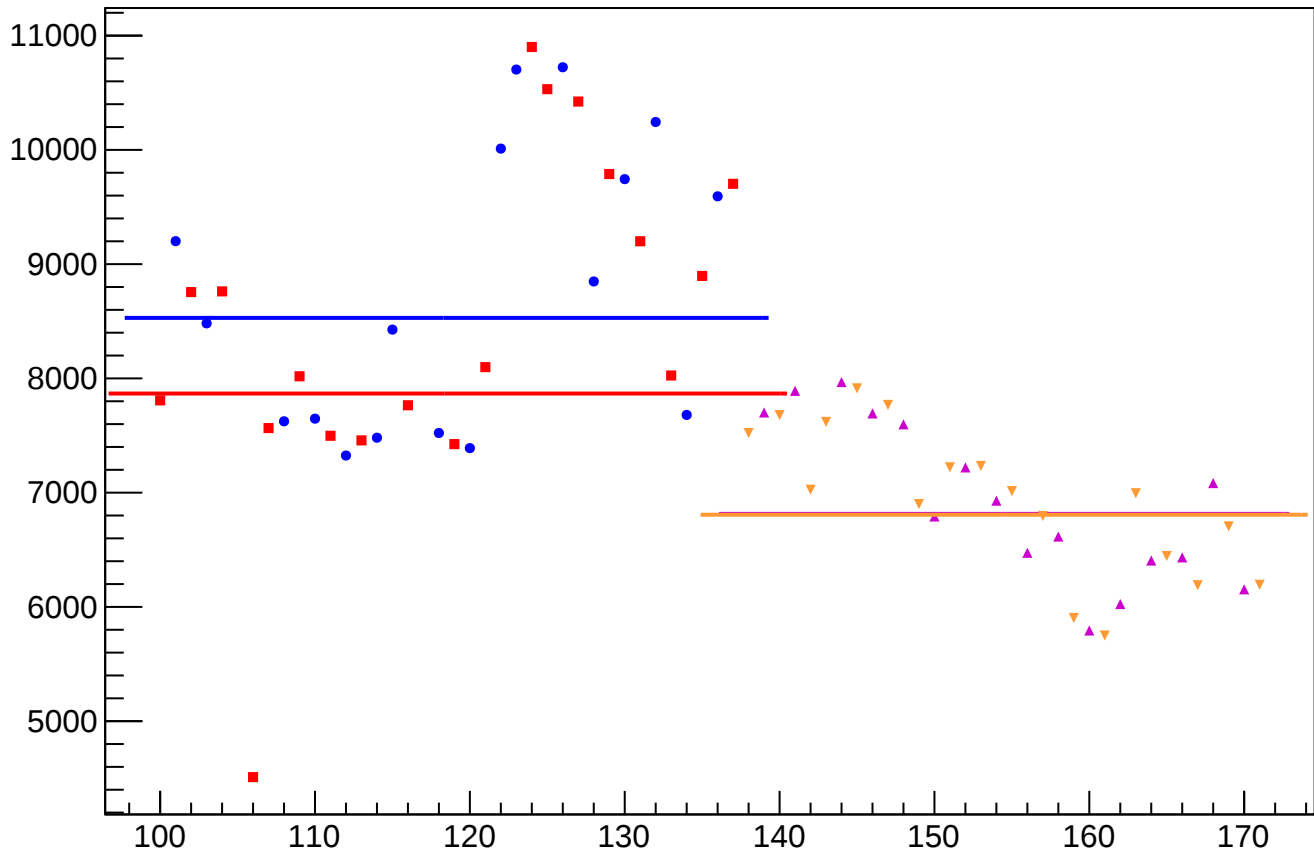
Left In: 7.494 ± 1.948 $\chi^2/\text{NDF}: 17.6/15$

+ sign 1.472 ± 1.630 $\chi^2/\text{NDF}: 147.1/34$

All: 1.889 ± 1.154 $\chi^2/\text{NDF}: 217.6/69$

- 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: 6806.787+/-1.323 χ^2/NDF : 242623.0/17

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

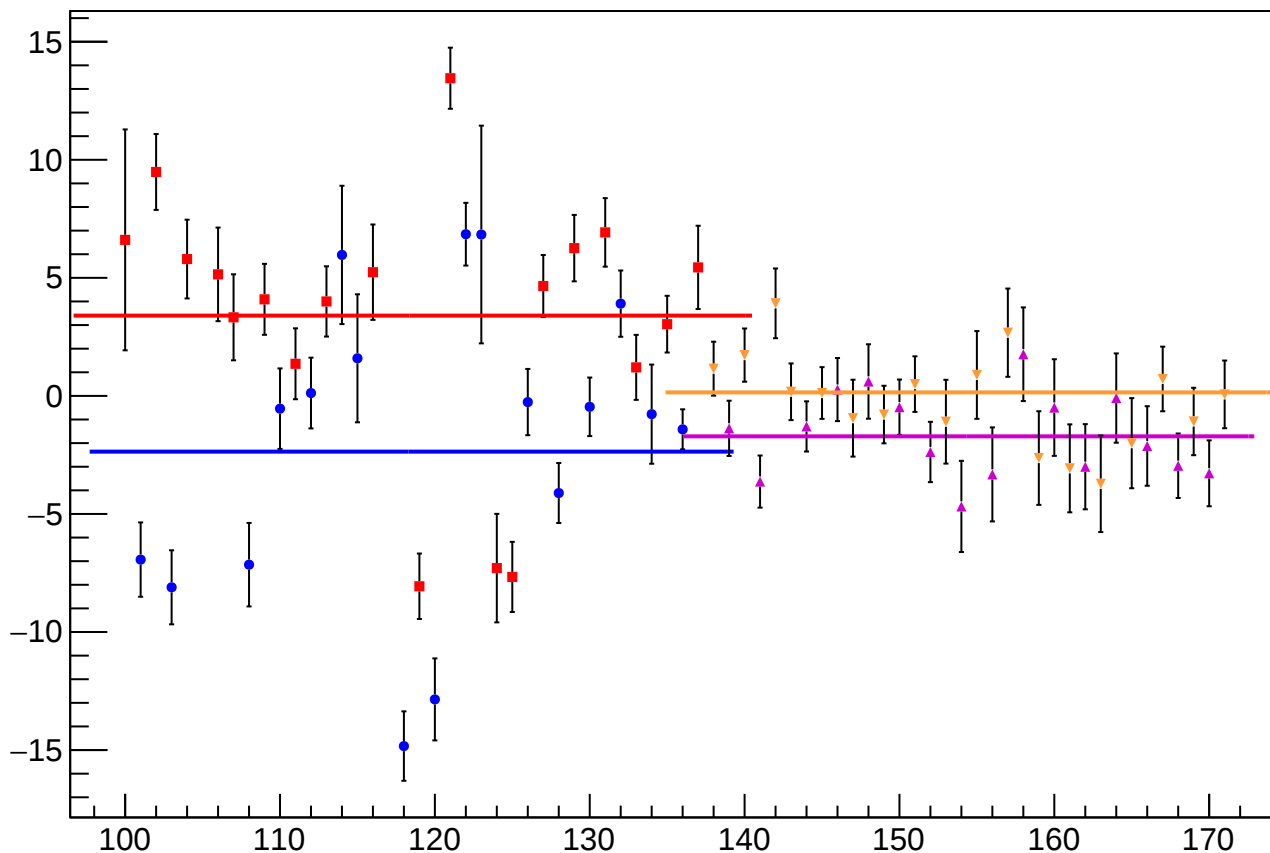
Left In: 6814.159+/-1.377 χ^2/NDF : 238285.3/15

+ sign 7222.572+/-1.153 χ^2/NDF : 860062.2/34

All: 7174.145+/-0.816 χ^2/NDF : 1830581.5/69

- 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: 0.149 ± 0.338 χ^2/NDF : 23.6/17

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

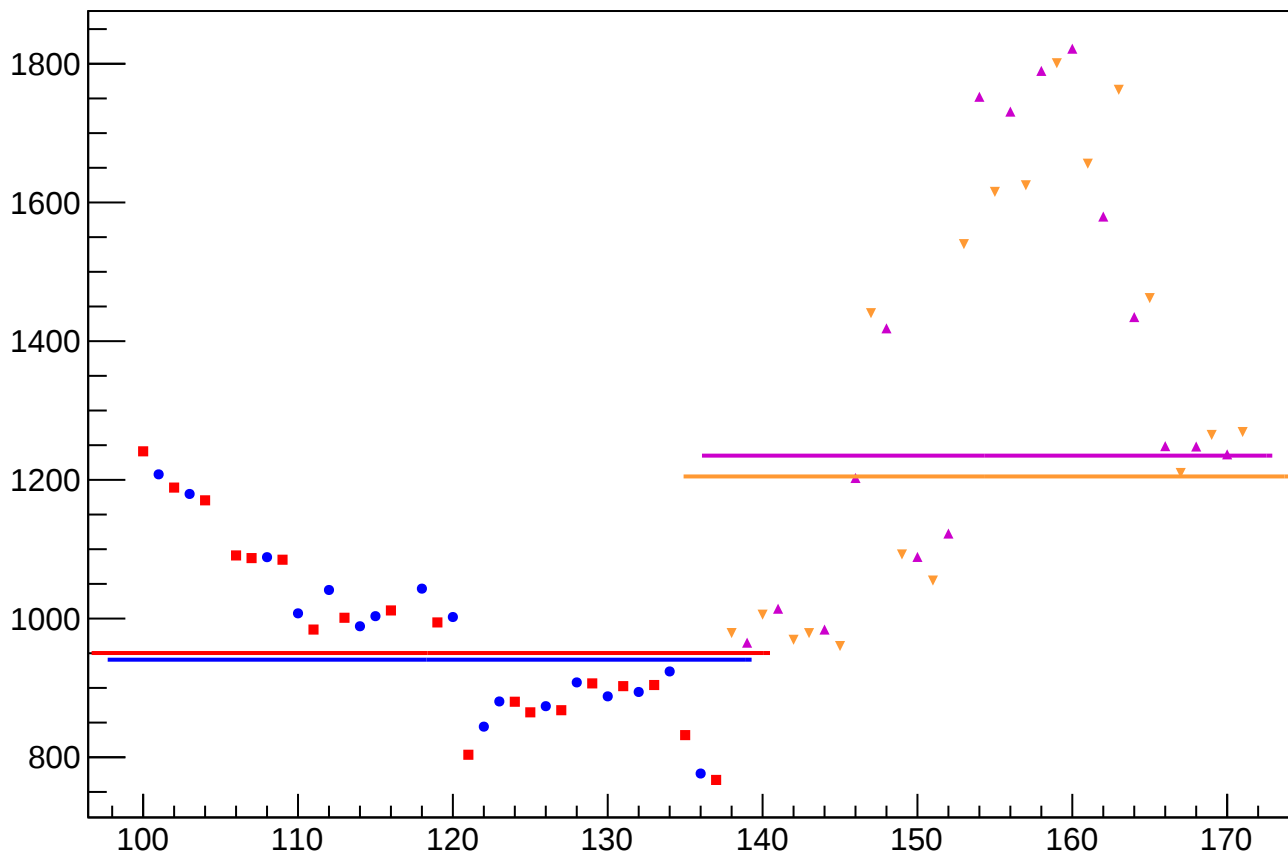
Left In: -1.713 ± 0.359 χ^2/NDF : 18.8/15

+ sign -1.006 ± 0.248 χ^2/NDF : 281.0/34

All: -0.098 ± 0.177 χ^2/NDF : 670.3/69

- 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: 1204.919+/-0.239 χ^2/NDF : 1213541.4/17

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

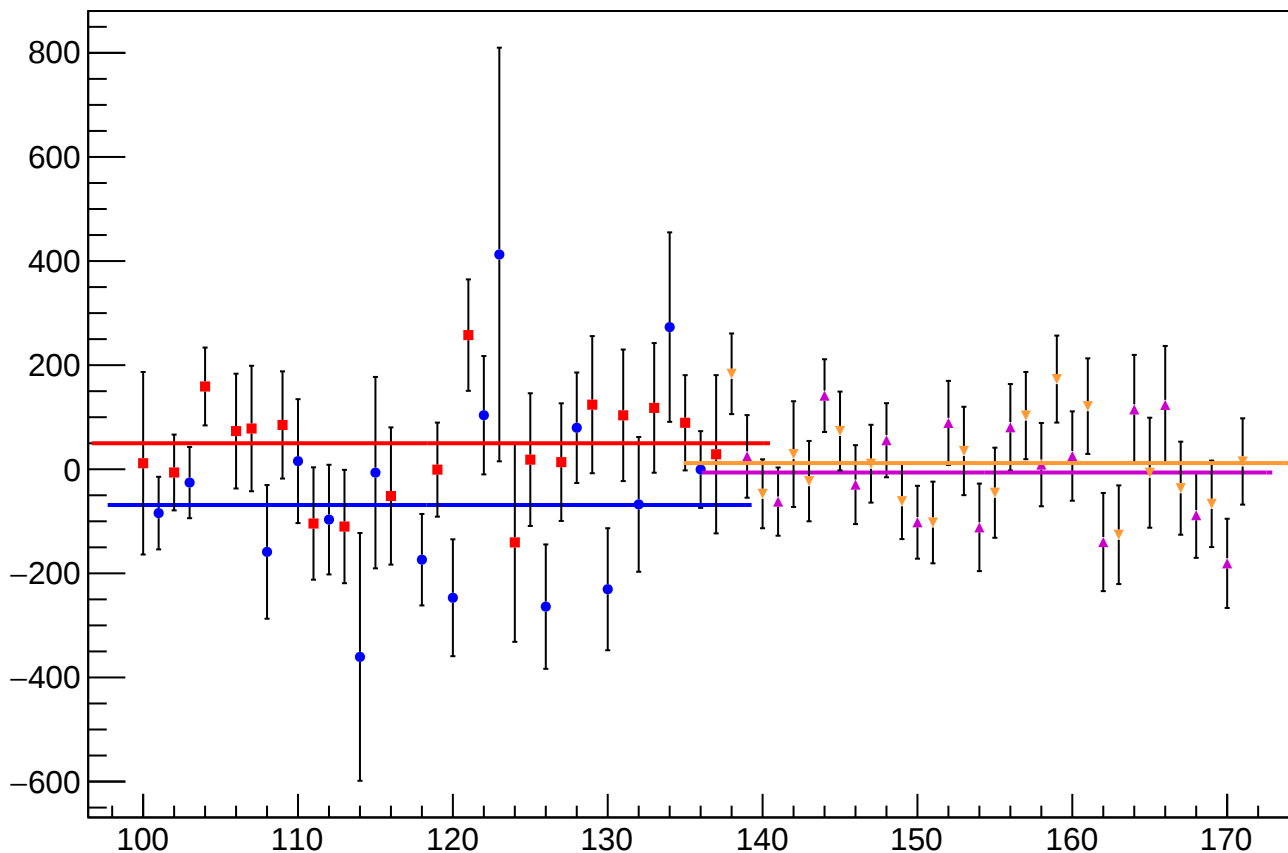
Left In: 1234.945+/-0.254 χ^2/NDF : 1056966.4/15

+ sign 1083.278+/-0.175 χ^2/NDF : 2019256.2/34

All: 1087.630+/-0.125 χ^2/NDF : 3927595.3/69

- 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: 11.862 ± 19.401 χ^2/NDF : 19.9/17

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

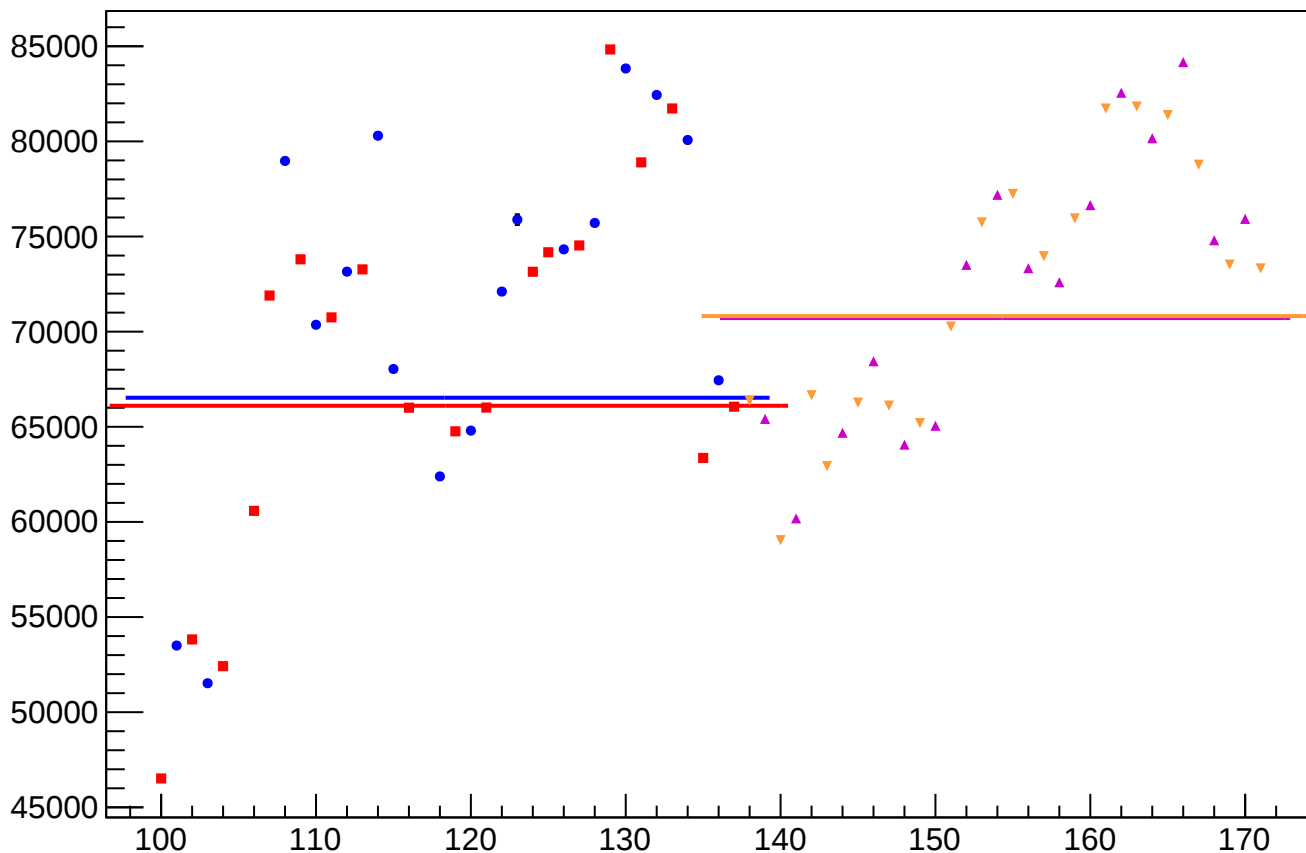
Left In: -6.251 ± 20.123 χ^2/NDF : 22.1/15

+ sign -17.025 ± 15.538 χ^2/NDF : 47.8/34

All: -0.749 ± 11.037 χ^2/NDF : 89.2/69

- 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: 70817.467+/-13.719 χ^2/NDF : 244451.0/17

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

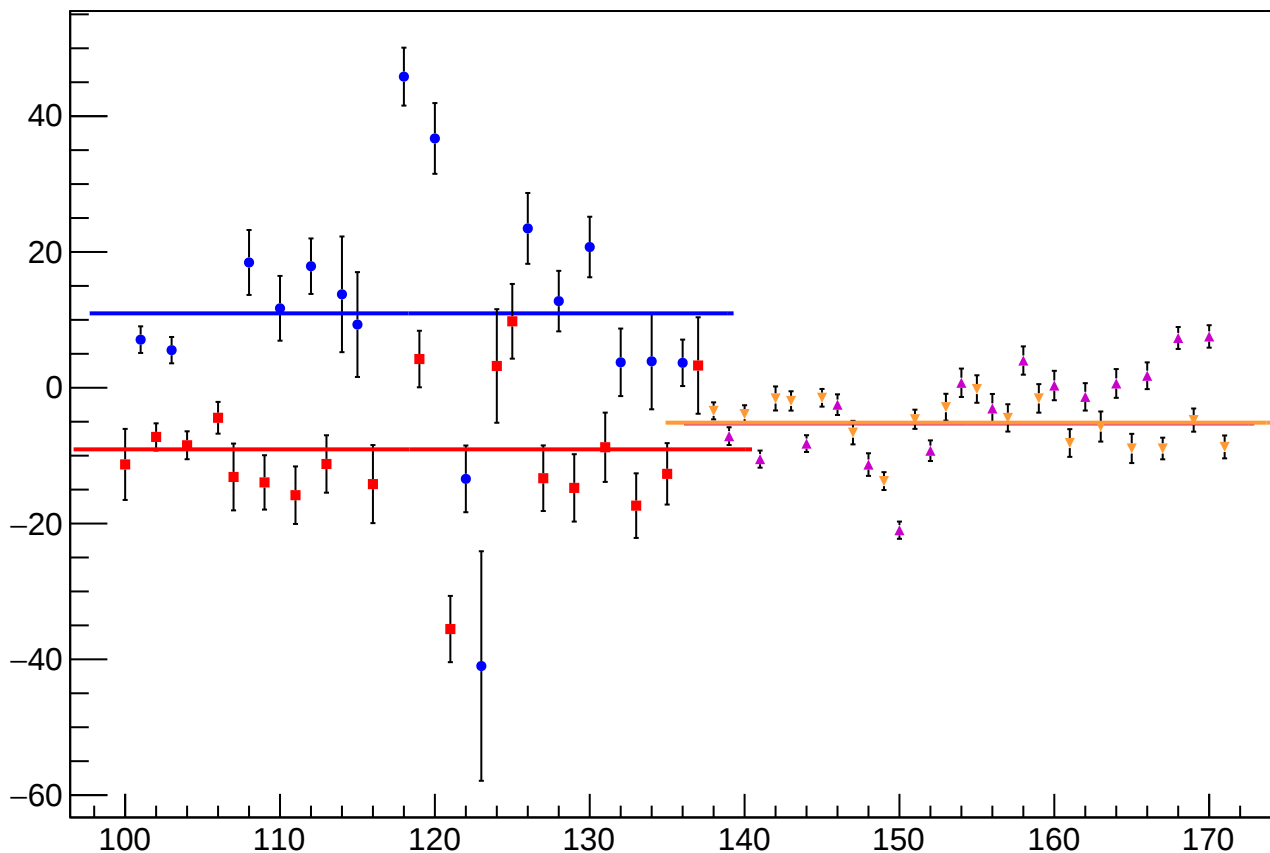
Left In: 70712.763+/-14.229 χ^2/NDF : 223040.1/15

+ sign 69278.933+/-10.987 χ^2/NDF : 600410.9/34

All: 69092.769+/-7.804 χ^2/NDF : 1163689.6/67

- 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: -5.141 ± 0.385 χ^2/NDF : 89.4/17

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

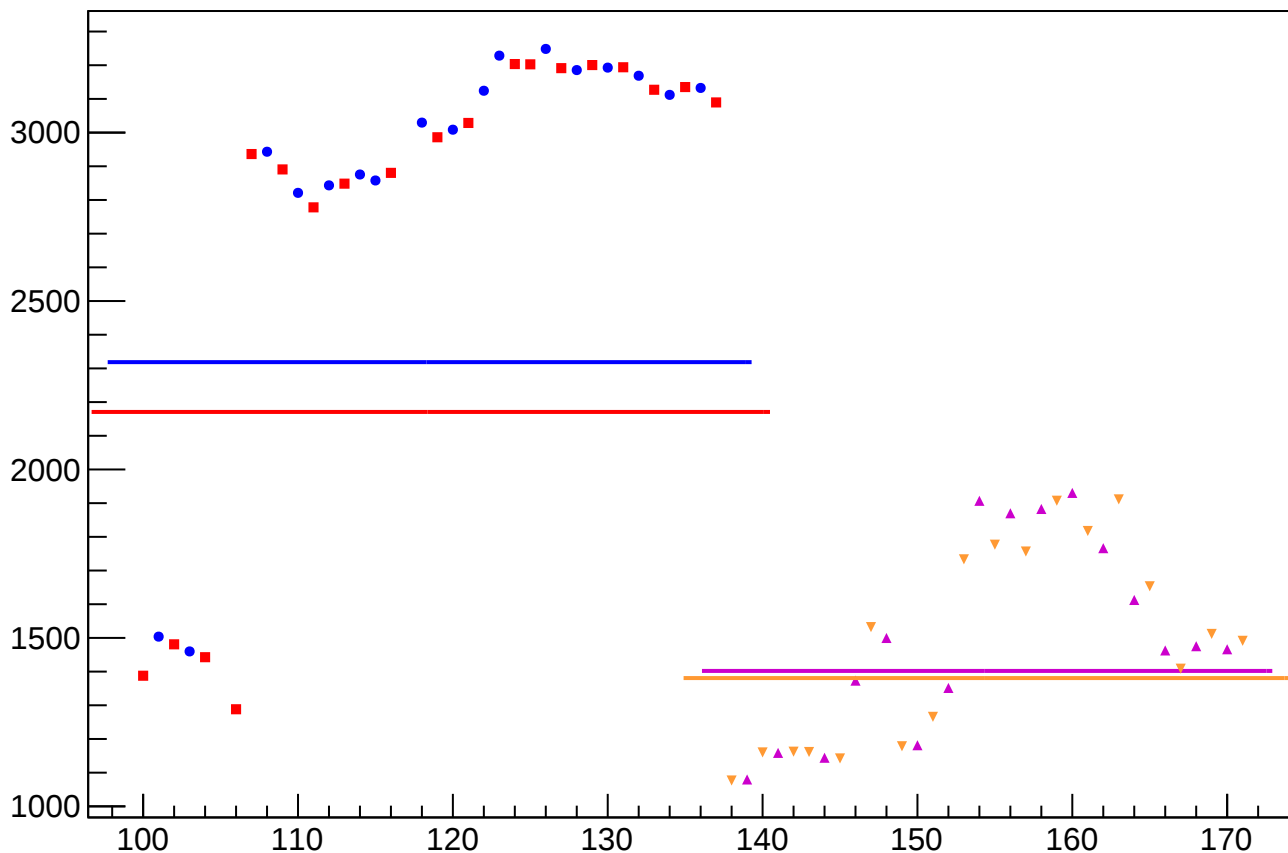
Left In: -5.259 ± 0.406 χ^2/NDF : 382.4/15

+ sign -2.846 ± 0.356 χ^2/NDF : 500.2/34

All: -4.347 ± 0.256 χ^2/NDF : 1008.3/69

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

diff_bpm0r03Y_rms vs Slug



Right In: 2318.624 $\pm$ 0.667 χ^2 /NDF: 1408300.4/16

Left Out: 1380.790 $\pm$ 0.272 χ^2 /NDF: 990272.2/17

Right Out: 2170.786 $\pm$ 0.613 χ^2 /NDF: 1753687.8/18

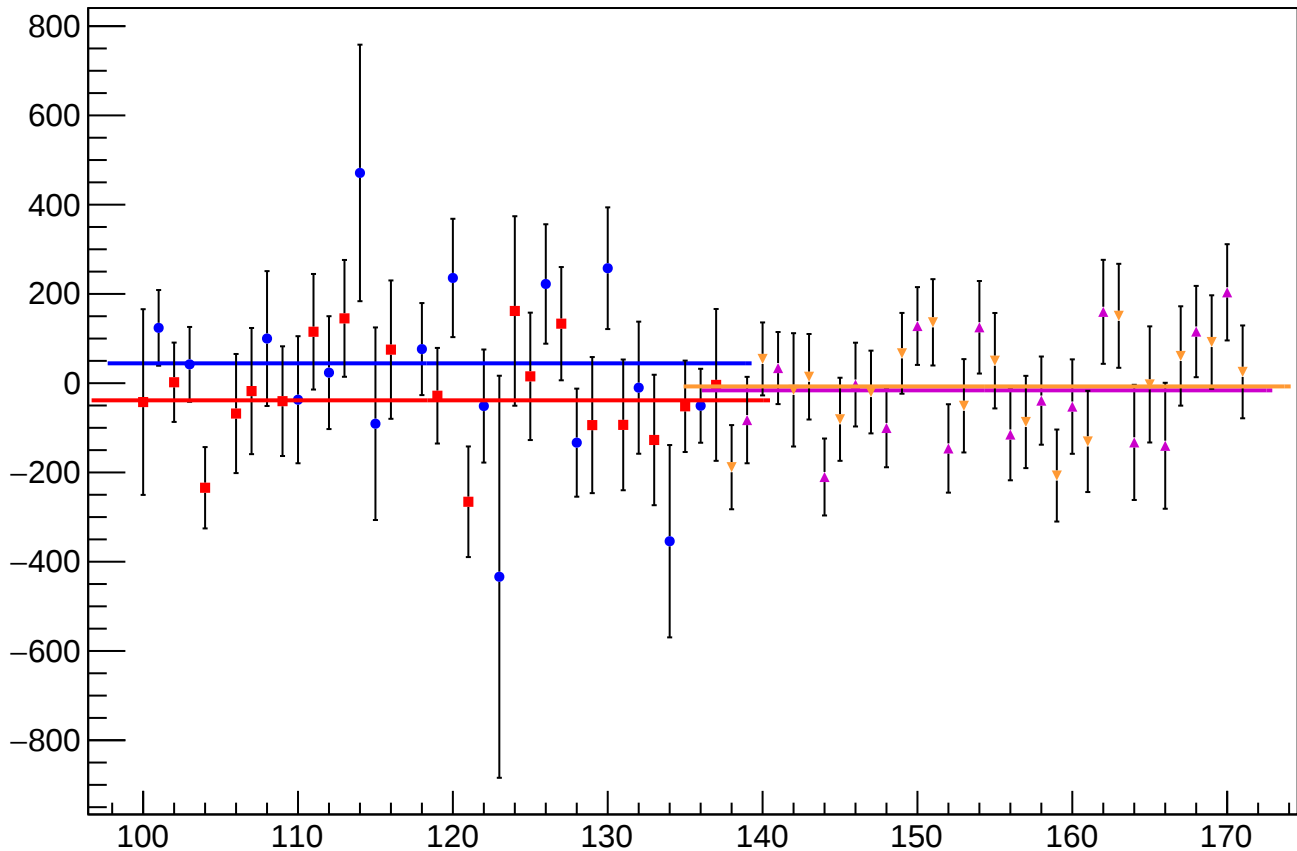
Left In: 1402.000 $\pm$ 0.287 χ^2 /NDF: 884700.0/15

+ sign 1514.500 $\pm$ 0.252 χ^2 /NDF: 4094030.9/34

All: 1526.976 $\pm$ 0.181 χ^2 /NDF: 8029194.9/69

- sign 1540.252 $\pm$ 0.260 χ^2 /NDF: 3930097.9/34

diff_bpm0r05X_mean vs Slug



Right In: 44.484 $\pm$ 30.432 χ^2 /NDF: 19.1/16

Left Out: -7.266 $\pm$ 24.005 χ^2 /NDF: 17.0/17

Right Out: -38.425 $\pm$ 29.435 χ^2 /NDF: 15.7/18

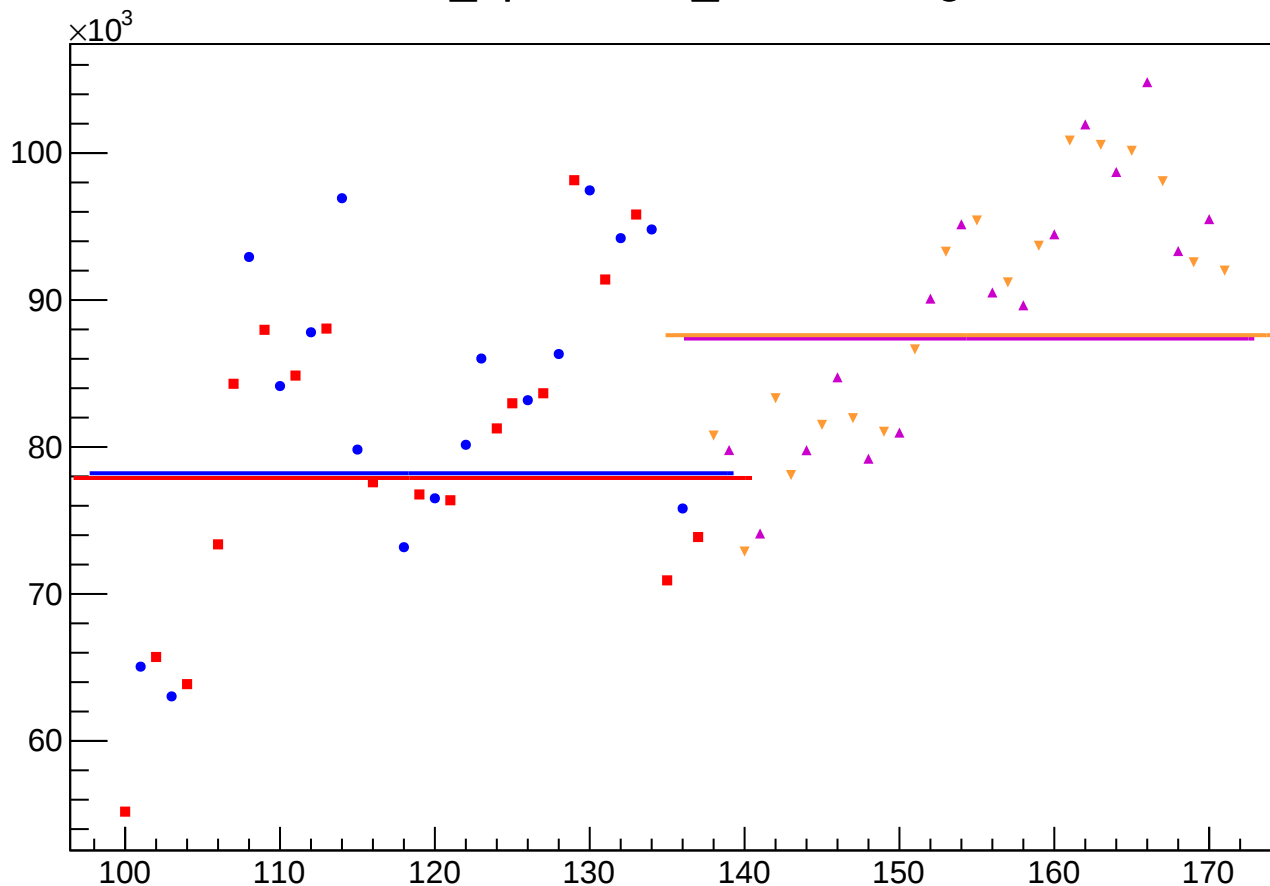
Left In: -16.020 $\pm$ 24.874 χ^2 /NDF: 24.0/15

+ sign 12.583 $\pm$ 18.847 χ^2 /NDF: 37.9/34

All: -6.233 $\pm$ 13.380 χ^2 /NDF: 80.0/69

- sign -25.354 $\pm$ 18.999 χ^2 /NDF: 40.1/34

diff_bpm0r05X_rms vs Slug



Right In: 78213.025+/-21.519 χ^2 /NDF: 251056.7/16

Left Out: 87607.910+/-16.974 χ^2 /NDF: 246450.8/17

Right Out: 77891.938+/-20.814 χ^2 /NDF: 246970.2/18

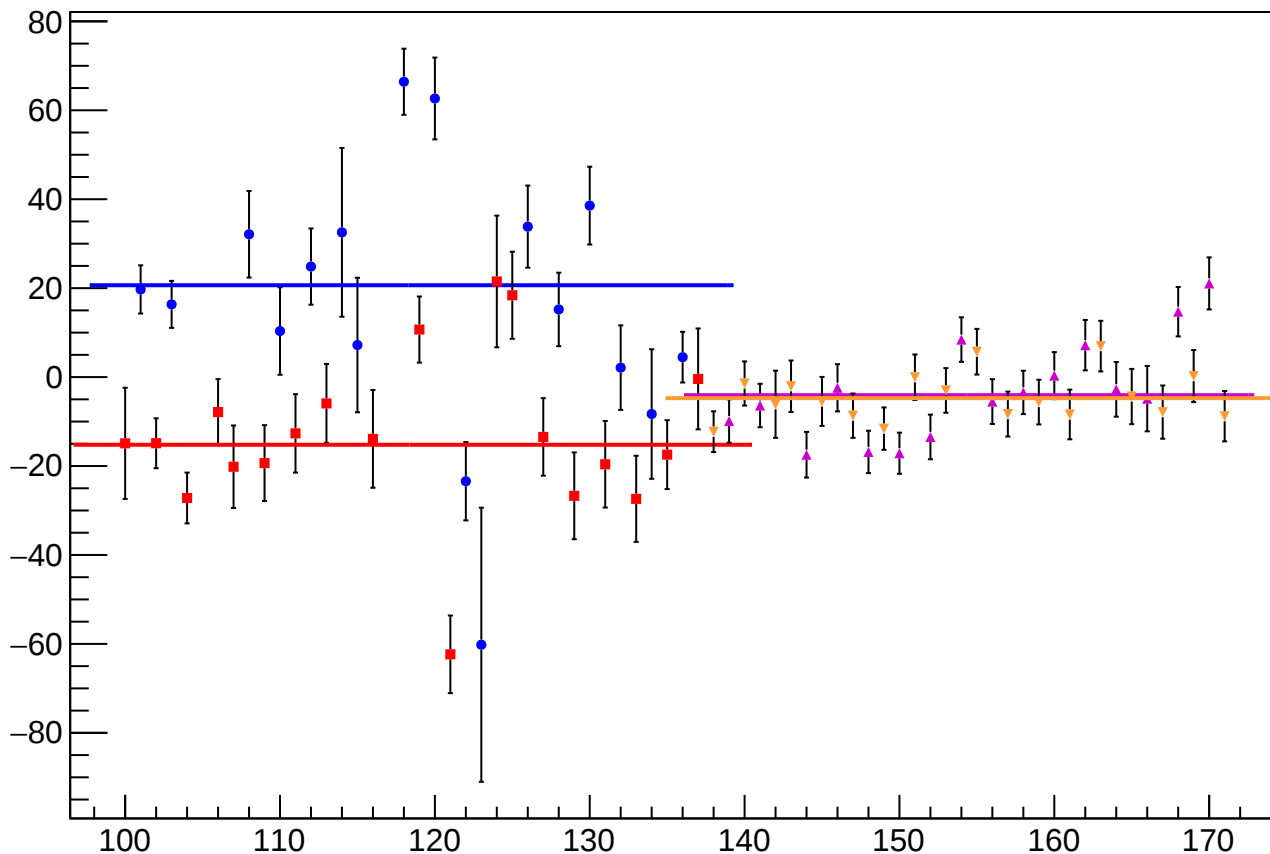
Left In: 87380.535+/-17.589 χ^2 /NDF: 231477.3/15

+ sign 84004.407+/-13.327 χ^2 /NDF: 615010.5/34

All: 83718.256+/-9.461 χ^2 /NDF: 1215632.4/6

- sign 83427.474+/-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: -4.735 ± 1.266 χ^2/NDF : 17.9/17

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

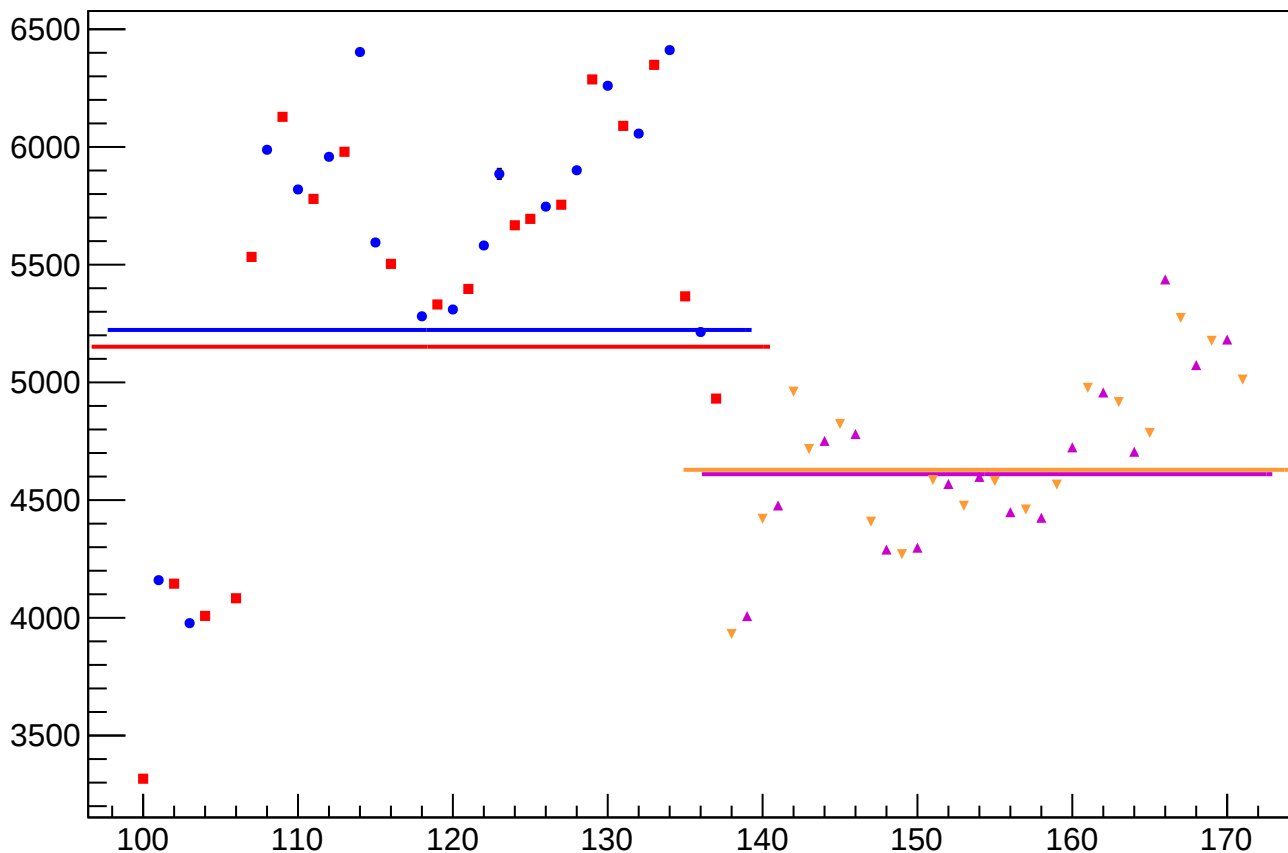
Left In: -4.066 ± 1.310 χ^2/NDF : 68.1/15

+ sign 2.342 ± 1.075 χ^2/NDF : 247.8/34

All: -2.529 ± 0.765 χ^2/NDF : 451.2/69

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

diff_bpm0r05Y_rms vs Slug



Right In: 5222.767 $\pm$ 1.440 χ^2 /NDF: 312497.9/16

Left Out: 4628.706 $\pm$ 0.895 χ^2 /NDF: 140541.7/17

Right Out: 5151.532 $\pm$ 1.382 χ^2 /NDF: 387685.6/18

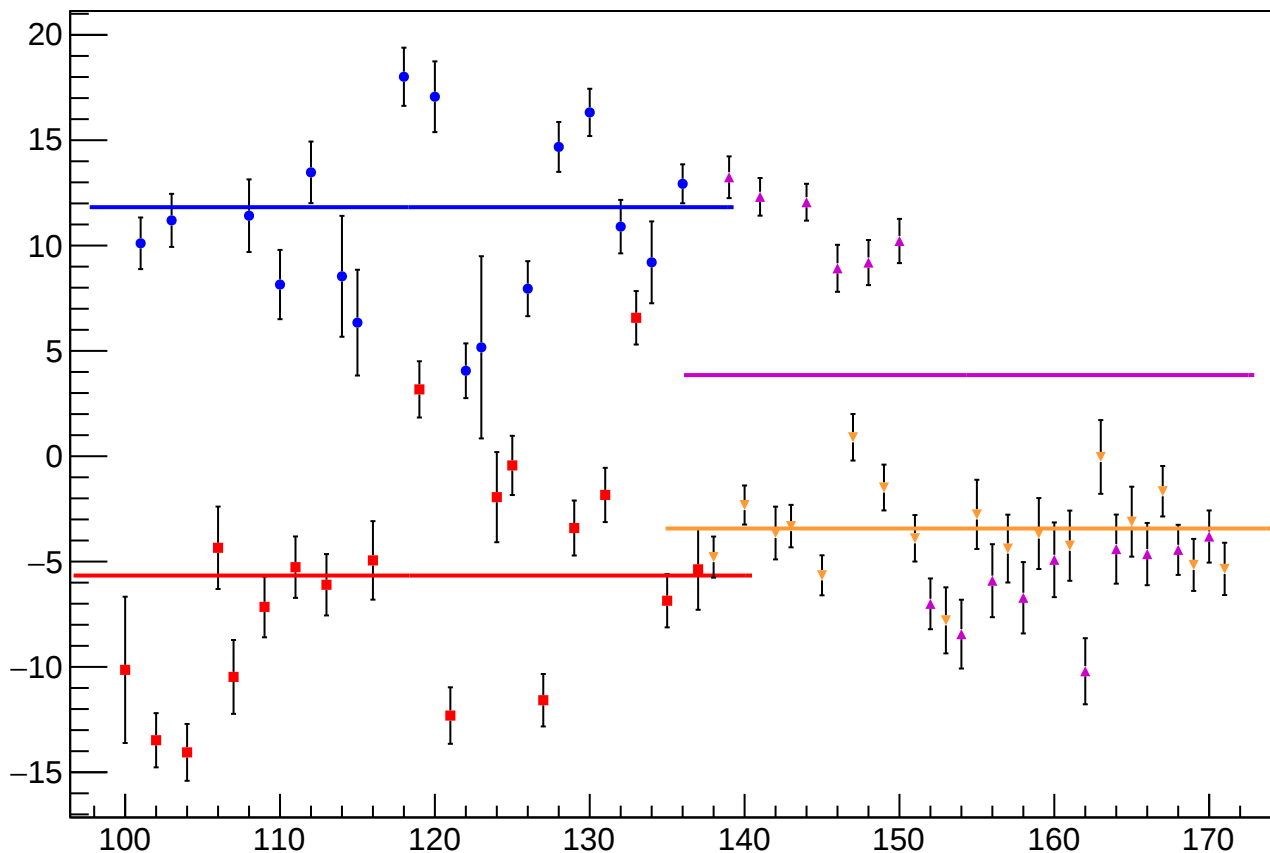
Left In: 4610.107 $\pm$ 0.926 χ^2 /NDF: 126219.2/15

+ sign 4794.282 $\pm$ 0.760 χ^2 /NDF: 575866.4/34

All: 4786.191 $\pm$ 0.541 χ^2 /NDF: 1195889.7/69

- sign 4777.897 $\pm$ 0.769 χ^2 /NDF: 619793.8/34

diff_bpm2i01X_mean vs Slug



Right In: 11.821 ± 0.344 $\chi^2/\text{NDF}: 117.0/16$

Left Out: -3.431 ± 0.289 $\chi^2/\text{NDF}: 46.5/17$

Right Out: -5.663 ± 0.338 $\chi^2/\text{NDF}: 300.1/18$

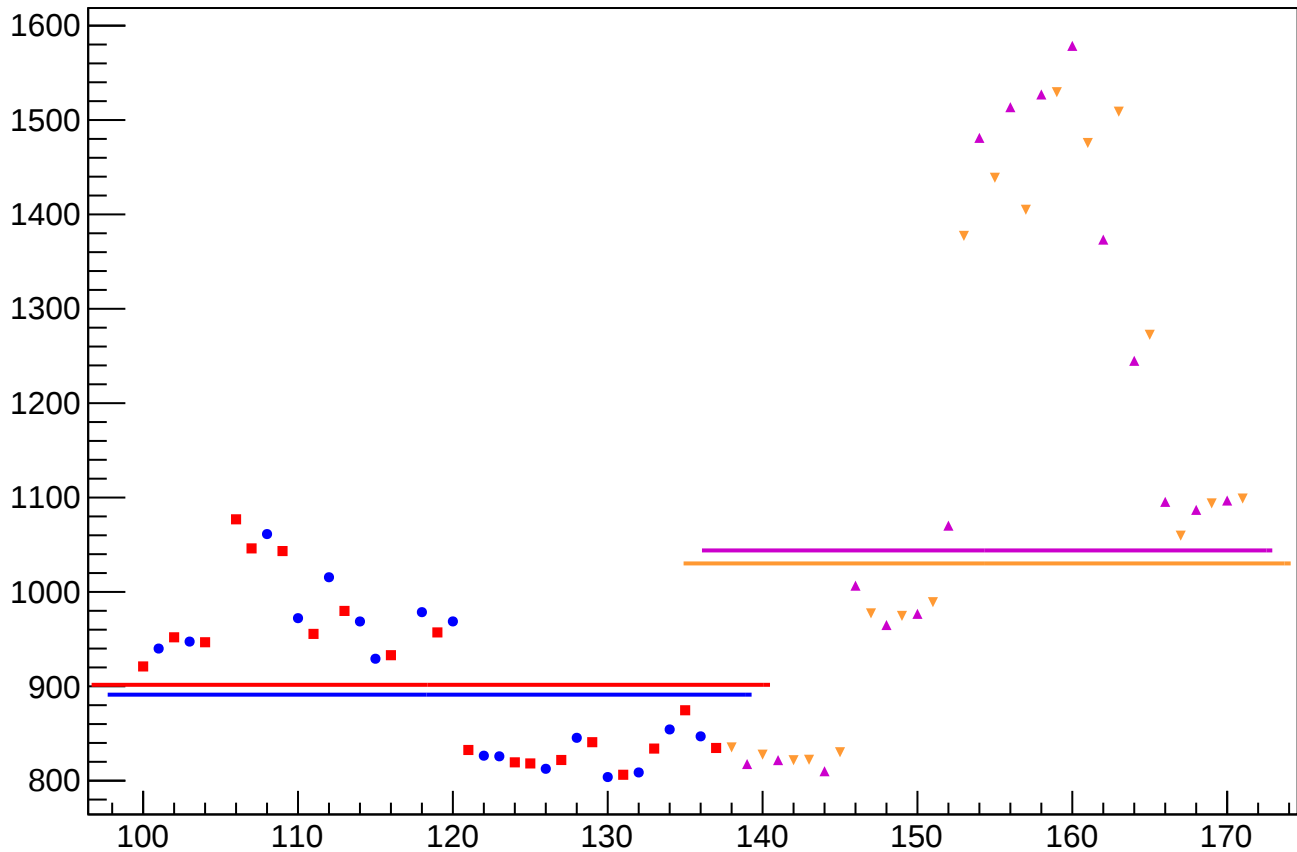
Left In: 3.852 ± 0.304 $\chi^2/\text{NDF}: 808.6/15$

+ sign 2.861 ± 0.221 $\chi^2/\text{NDF}: 1315.0/34$

All: 1.268 ± 0.158 $\chi^2/\text{NDF}: 2967.2/69$

- sign -0.396 ± 0.226 $\chi^2/\text{NDF}: 1546.2/34$

diff_bpm2i01X_rms vs Slug



Right In: 891.149+/-0.244 χ^2/NDF : 101659.1/16

Left Out: 1030.195+/-0.204 χ^2/NDF :1271205.3/17

Right Out: 901.588+/-0.239 χ^2/NDF : 114590.8/18

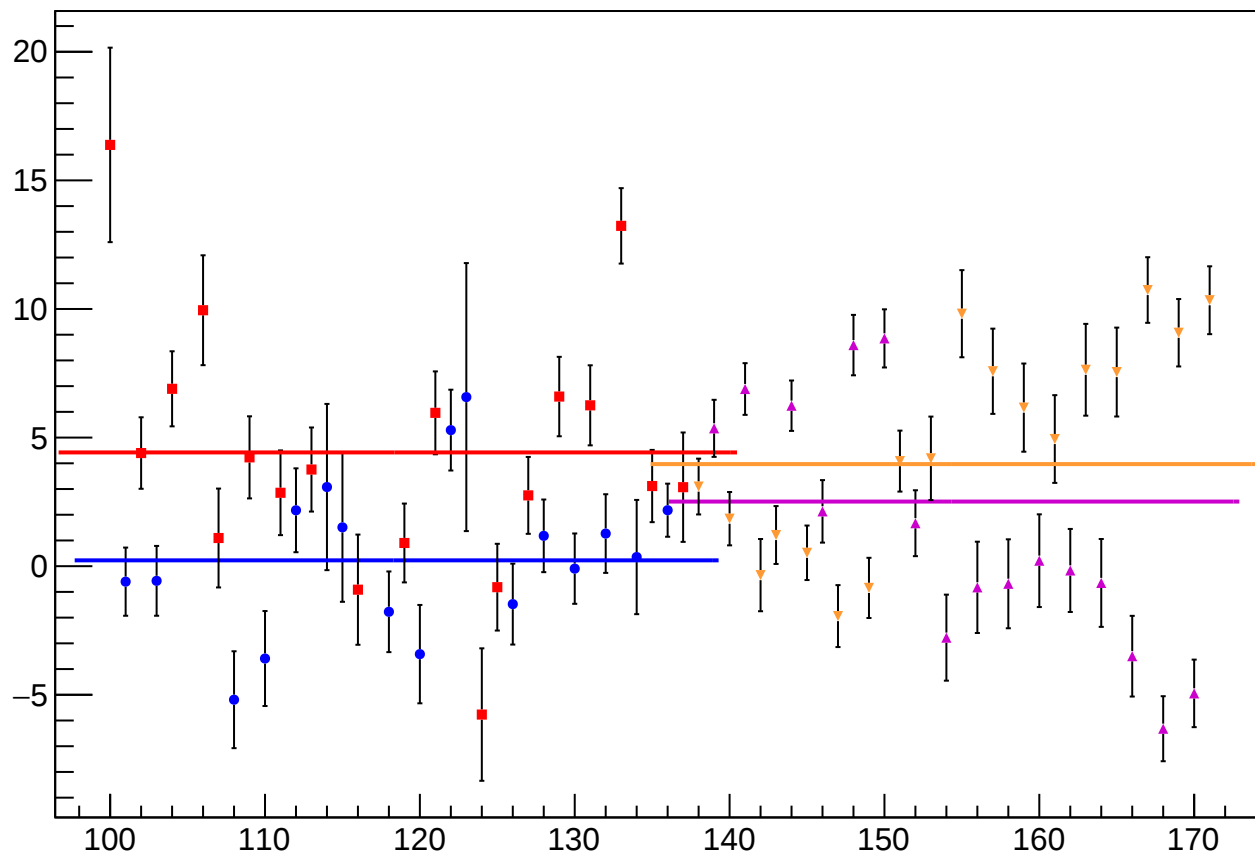
Left In: 1043.974+/-0.215 χ^2/NDF :1155105.6/15

+ sign 972.839+/-0.156 χ^2/NDF : 1564283.5/34

All: 976.536+/-0.112 χ^2/NDF : 3031028.8/69

- sign 980.398+/-0.160 χ^2/NDF : 1465603.6/34

diff_bpm2i01Y_mean vs Slug



Right In: 0.227 ± 0.395 $\chi^2/\text{NDF}: 38.5/16$

Left Out: 3.969 ± 0.312 $\chi^2/\text{NDF}: 165.7/17$

Right Out: 4.423 ± 0.387 $\chi^2/\text{NDF}: 103.3/18$

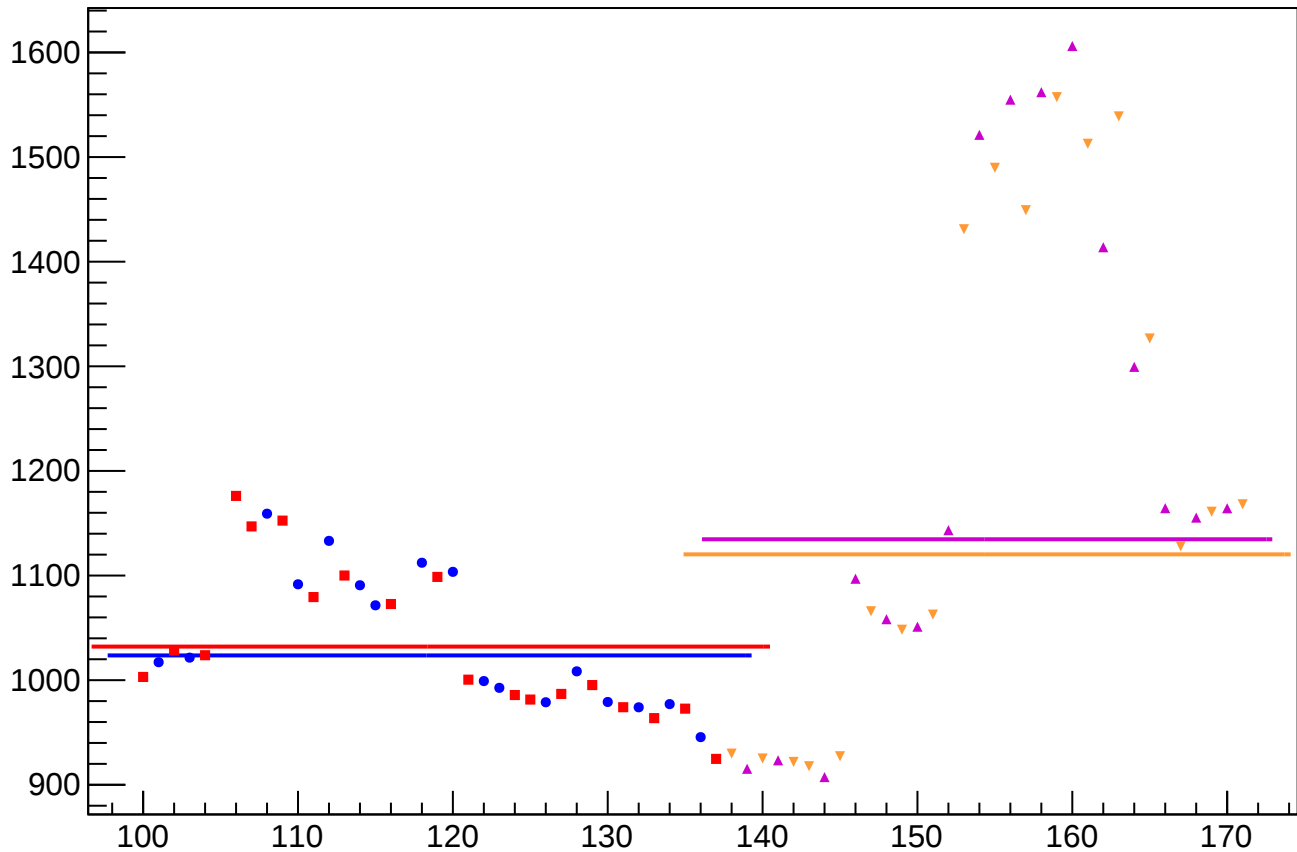
Left In: 2.512 ± 0.328 $\chi^2/\text{NDF}: 219.4/15$

+ sign 2.533 ± 0.245 $\chi^2/\text{NDF}: 259.6/34$

All: 2.914 ± 0.175 $\chi^2/\text{NDF}: 601.4/69$

- sign 3.312 ± 0.250 $\chi^2/\text{NDF}: 336.9/34$

diff_bpm2i01Y_rms vs Slug



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

Left Out: 1120.250+/-0.220 χ^2/NDF : 946320.6/17

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

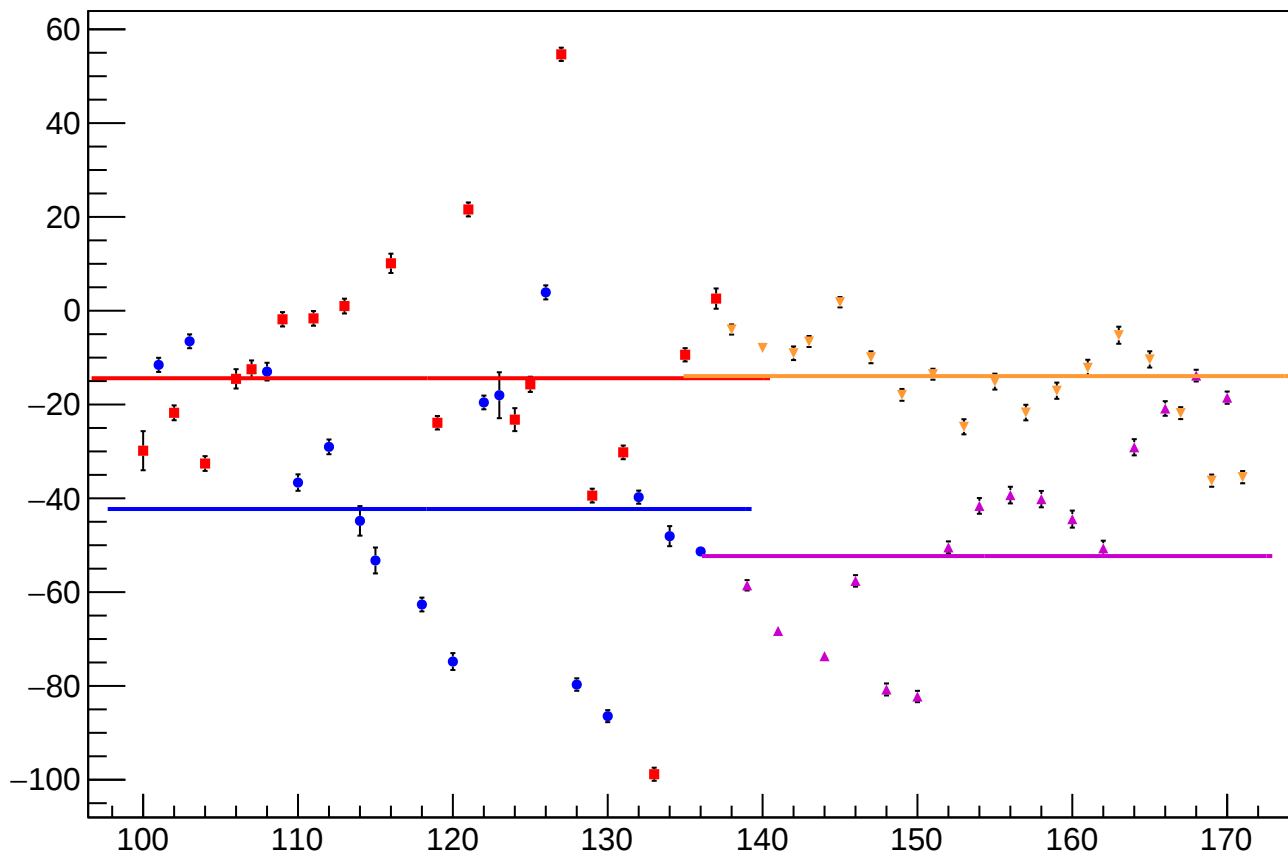
Left In: 1134.678+/-0.232 χ^2/NDF : 854322.5/15

+ sign 1083.189+/-0.173 χ^2/NDF : 1072415.3/34

All: 1087.380+/-0.124 χ^2/NDF : 2069160.0/69

- 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: -13.938 ± 0.317 χ^2/NDF : 1096.9/17

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

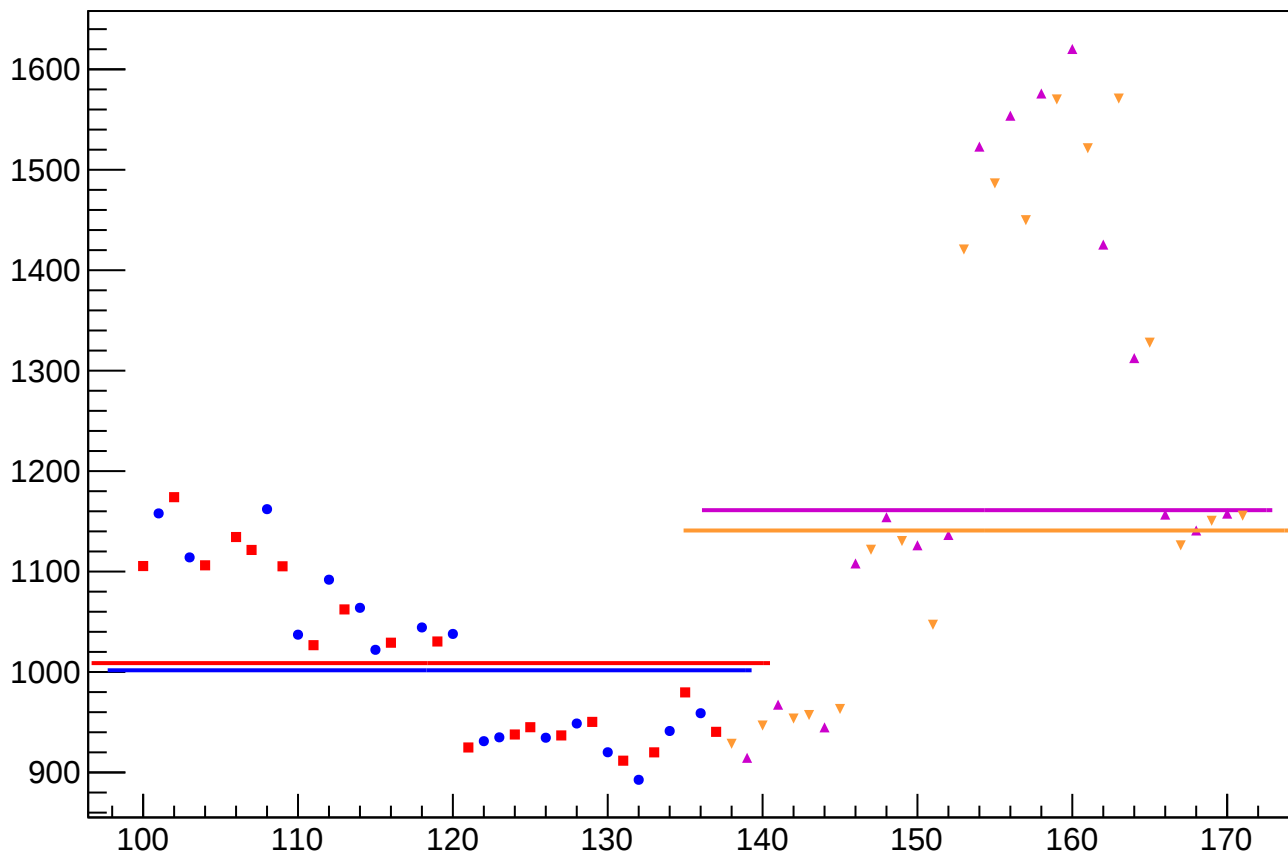
Left In: -52.309 ± 0.335 χ^2/NDF : 4193.8/15

+ sign -25.311 ± 0.245 χ^2/NDF : 9432.3/34

All: -30.361 ± 0.175 χ^2/NDF : 27789.3/69

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

diff_bpm2i02X_rms vs Slug



Right In: 1001.706 $\pm$ 0.274 χ^2 /NDF: 95480.0/16

Left Out: 1140.877 $\pm$ 0.224 χ^2 /NDF: 861613.0/17

Right Out: 1008.848 $\pm$ 0.268 χ^2 /NDF: 95349.9/18

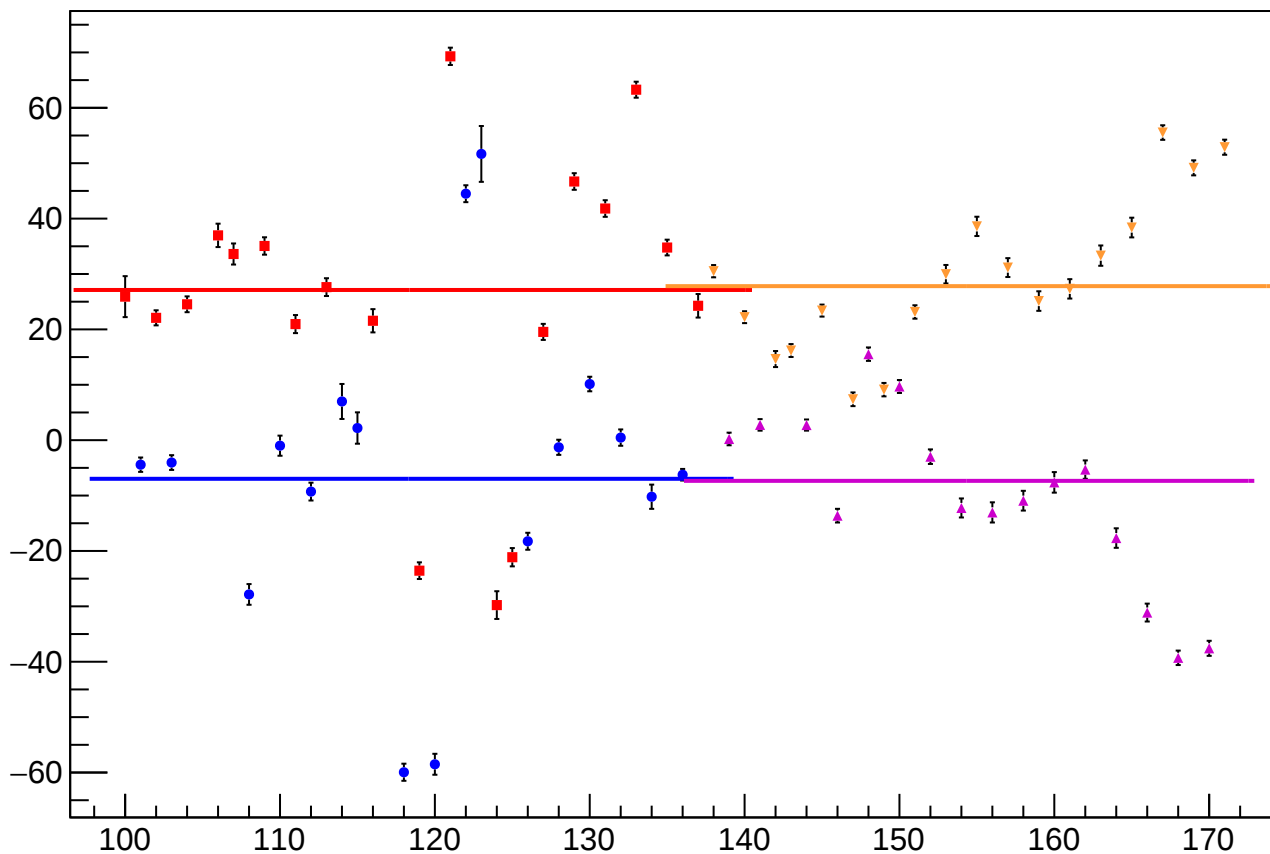
Left In: 1161.116 $\pm$ 0.237 χ^2 /NDF: 762748.0/15

+ sign 1085.027 $\pm$ 0.173 χ^2 /NDF: 1111842.6/34

All: 1089.507 $\pm$ 0.124 χ^2 /NDF: 2152769.9/69

- sign 1094.196 $\pm$ 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: 27.807 ± 0.321 χ^2/NDF : 1877.7/17

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

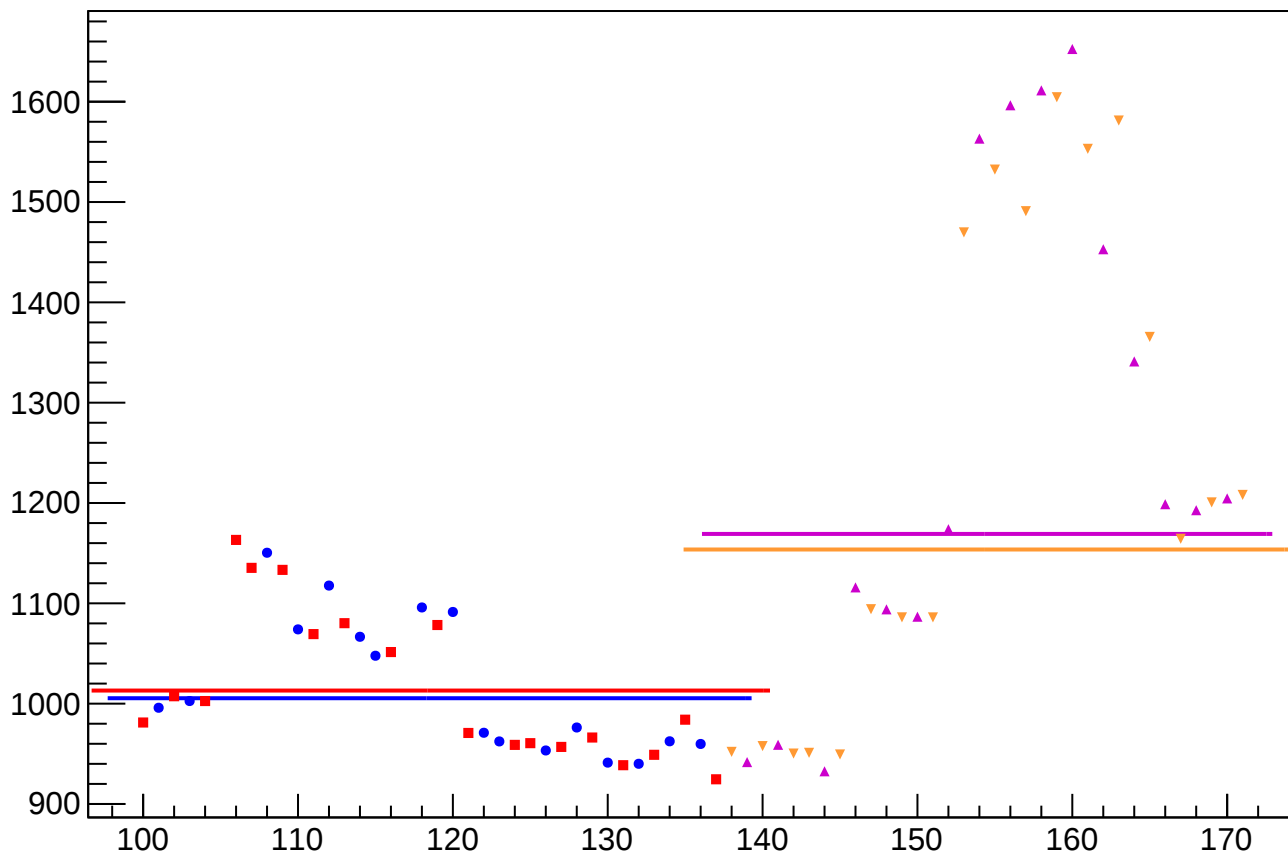
Left In: -7.345 ± 0.338 χ^2/NDF : 2211.0/15

+ sign 13.678 ± 0.247 χ^2/NDF : 10287.2/34

All: 10.843 ± 0.177 χ^2/NDF : 21648.5/69

- 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: 1153.652+/-0.227 χ^2/NDF : 942728.4/17

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

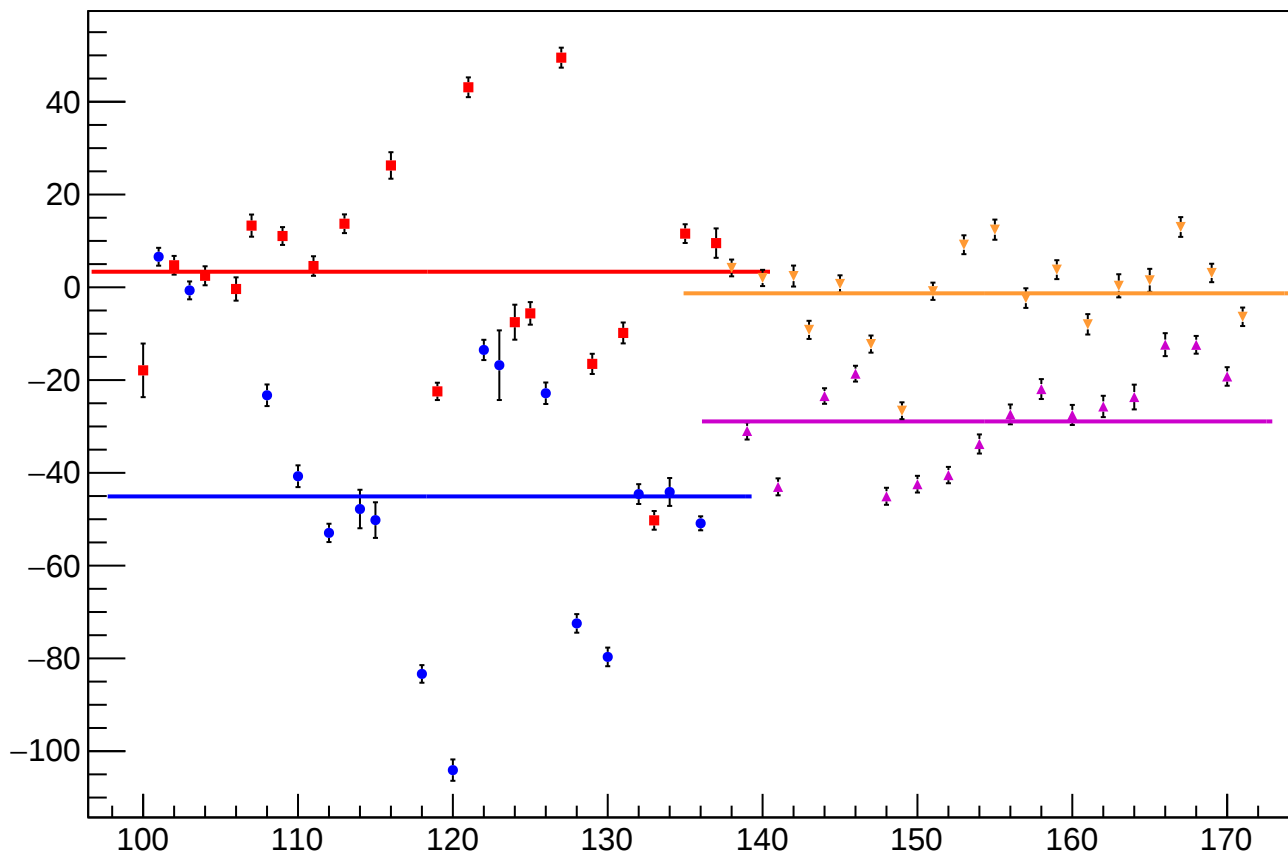
Left In: 1169.174+/-0.239 χ^2/NDF : 846646.7/15

+ sign 1093.433+/-0.175 χ^2/NDF : 1170712.1/34

All: 1096.729+/-0.125 χ^2/NDF : 2270081.4/69

- 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: -1.297 ± 0.475 χ^2/NDF : 402.9/17

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

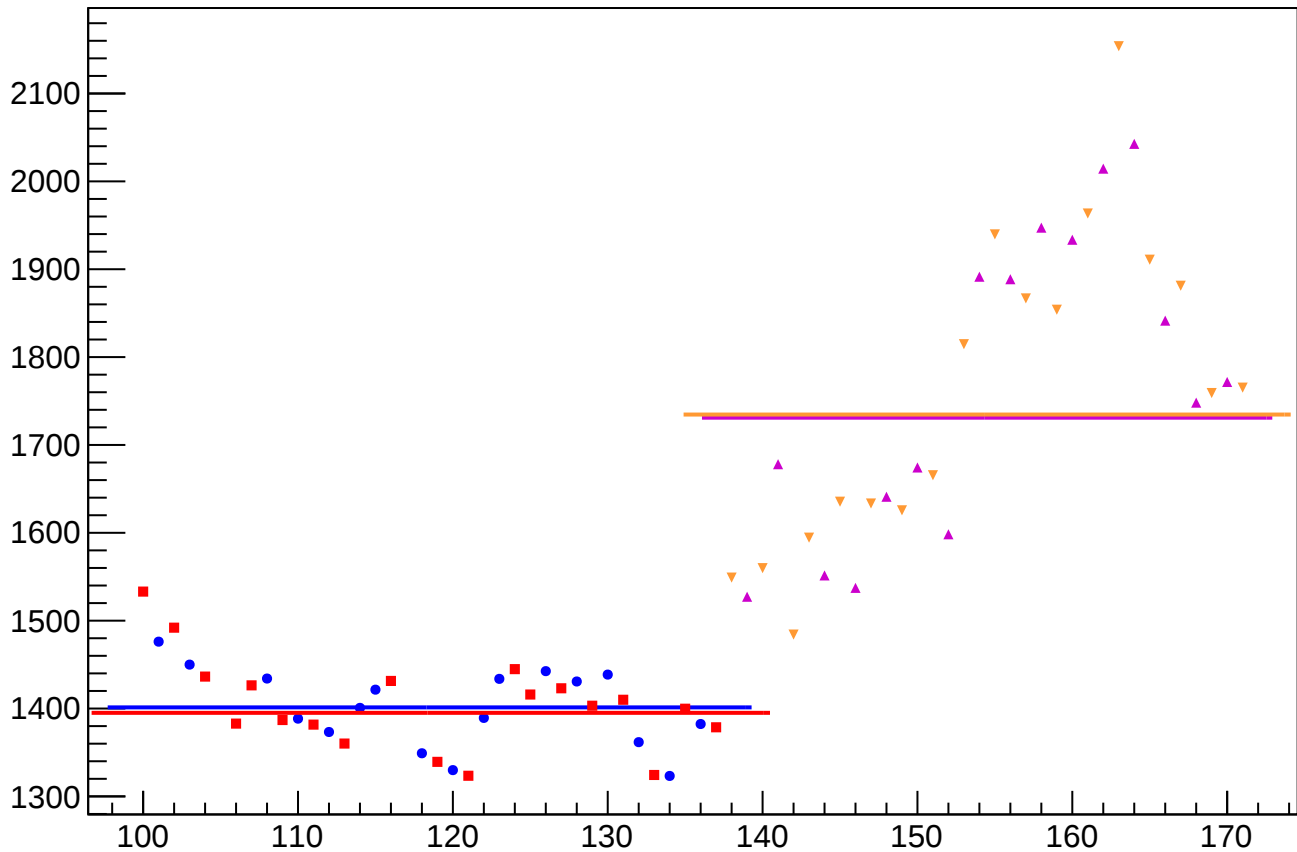
Left In: -28.914 ± 0.493 χ^2/NDF : 450.2/15

+ sign -20.395 ± 0.356 χ^2/NDF : 7351.7/34

All: -17.065 ± 0.253 χ^2/NDF : 12004.9/69

- 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: 1734.602+/-0.336 χ^2/NDF : 231694.0/17

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

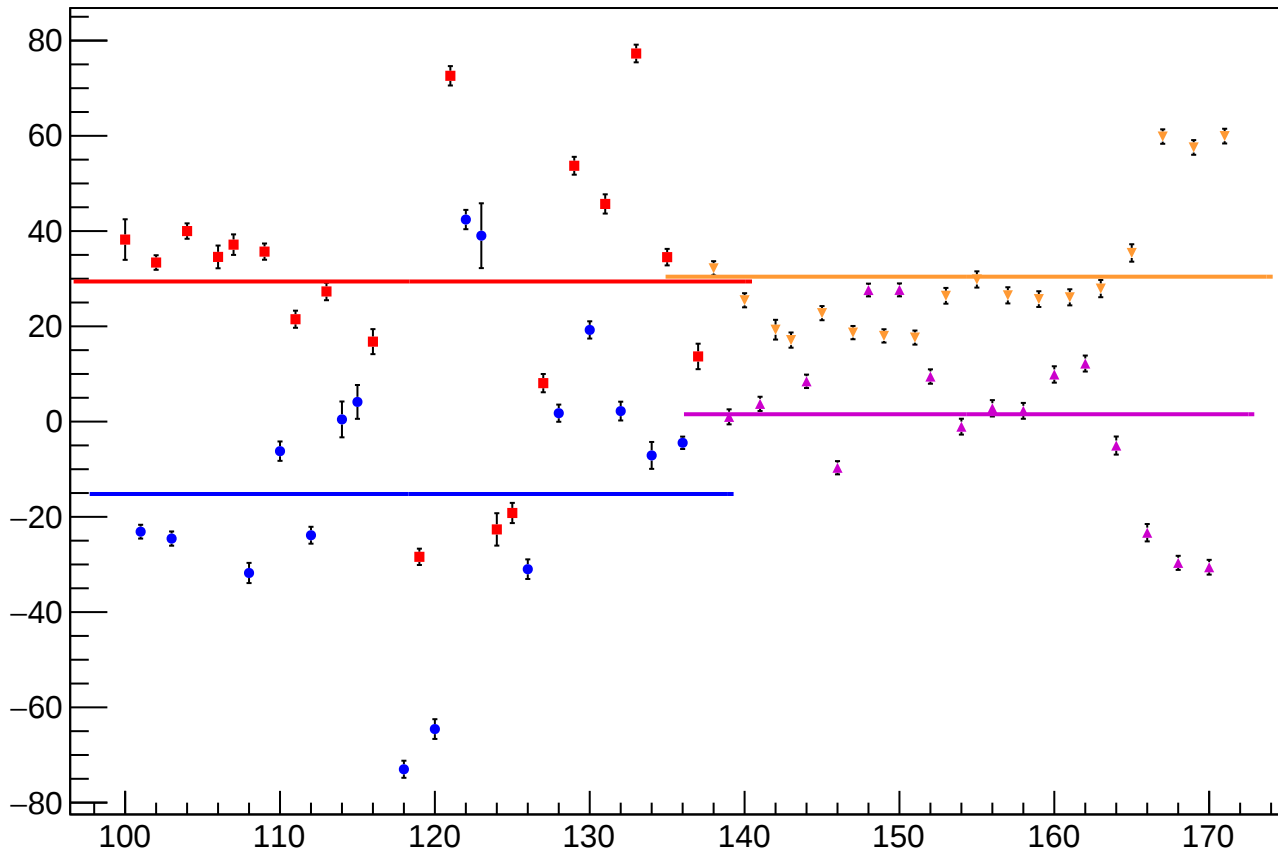
Left In: 1731.044+/-0.348 χ^2/NDF : 216203.9/15

+ sign 1589.222+/-0.252 χ^2/NDF : 674602.0/34

All: 1580.994+/-0.179 χ^2/NDF : 1346639.3/69

- 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: 30.425 ± 0.375 χ^2/NDF : 1447.8/17

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

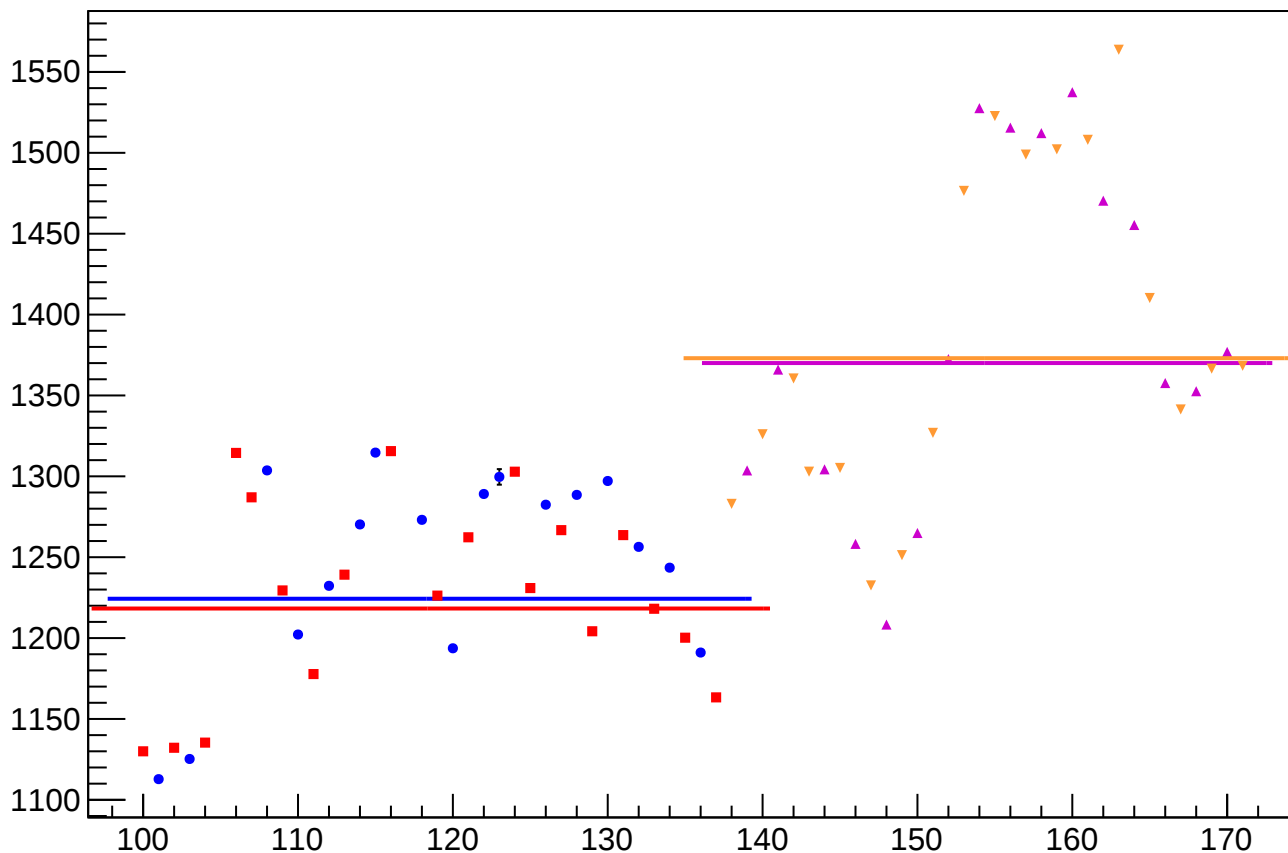
Left In: 1.543 ± 0.389 χ^2/NDF : 2002.7/15

+ sign 12.771 ± 0.294 χ^2/NDF : 10536.4/34

All: 13.025 ± 0.208 χ^2/NDF : 18246.5/69

- 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: 1373.034+/-0.265 χ^2/NDF : 137982.3/17

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

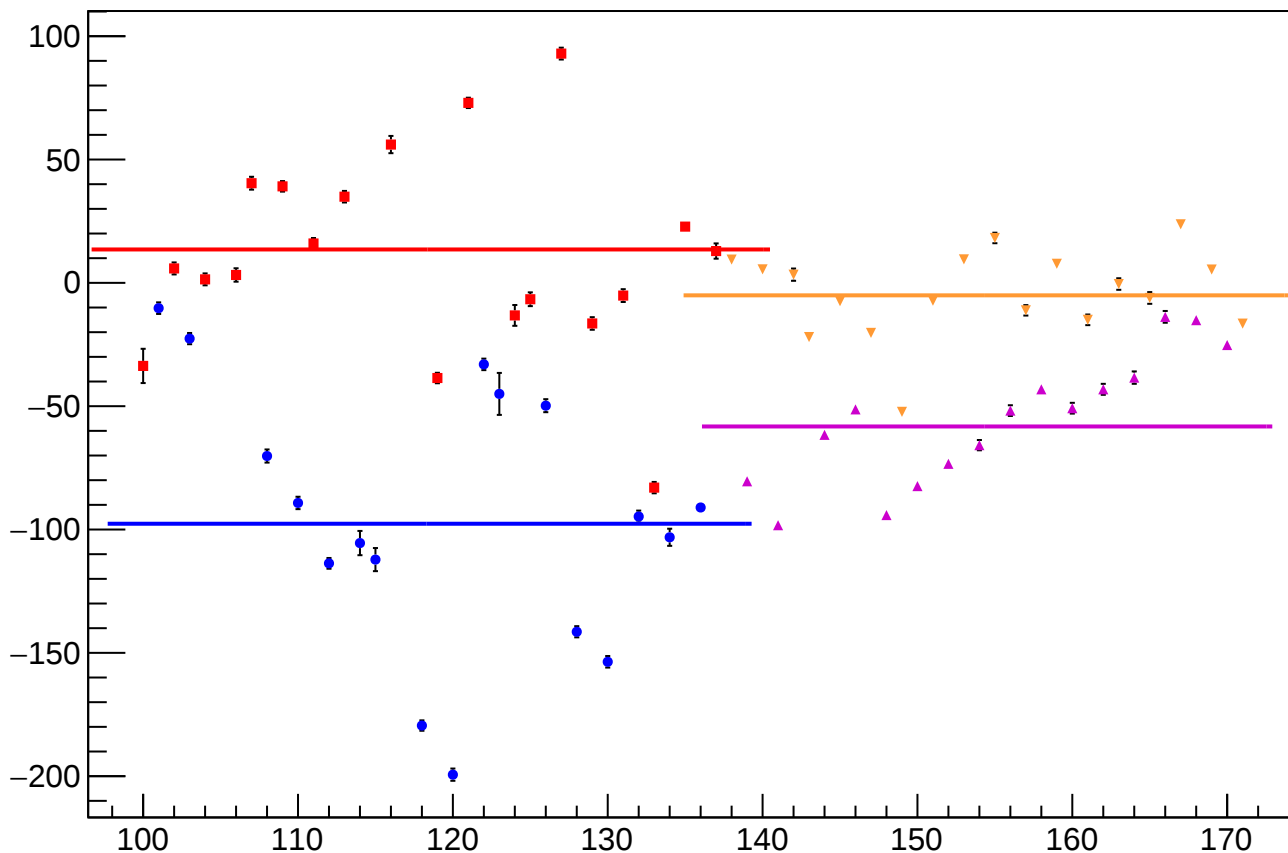
Left In: 1370.033+/-0.275 χ^2/NDF : 139208.0/15

+ sign 1315.494+/-0.208 χ^2/NDF : 298424.2/34

All: 1310.845+/-0.147 χ^2/NDF : 594330.0/69

- 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: -5.061 ± 0.472 χ^2/NDF : 1432.8/17

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

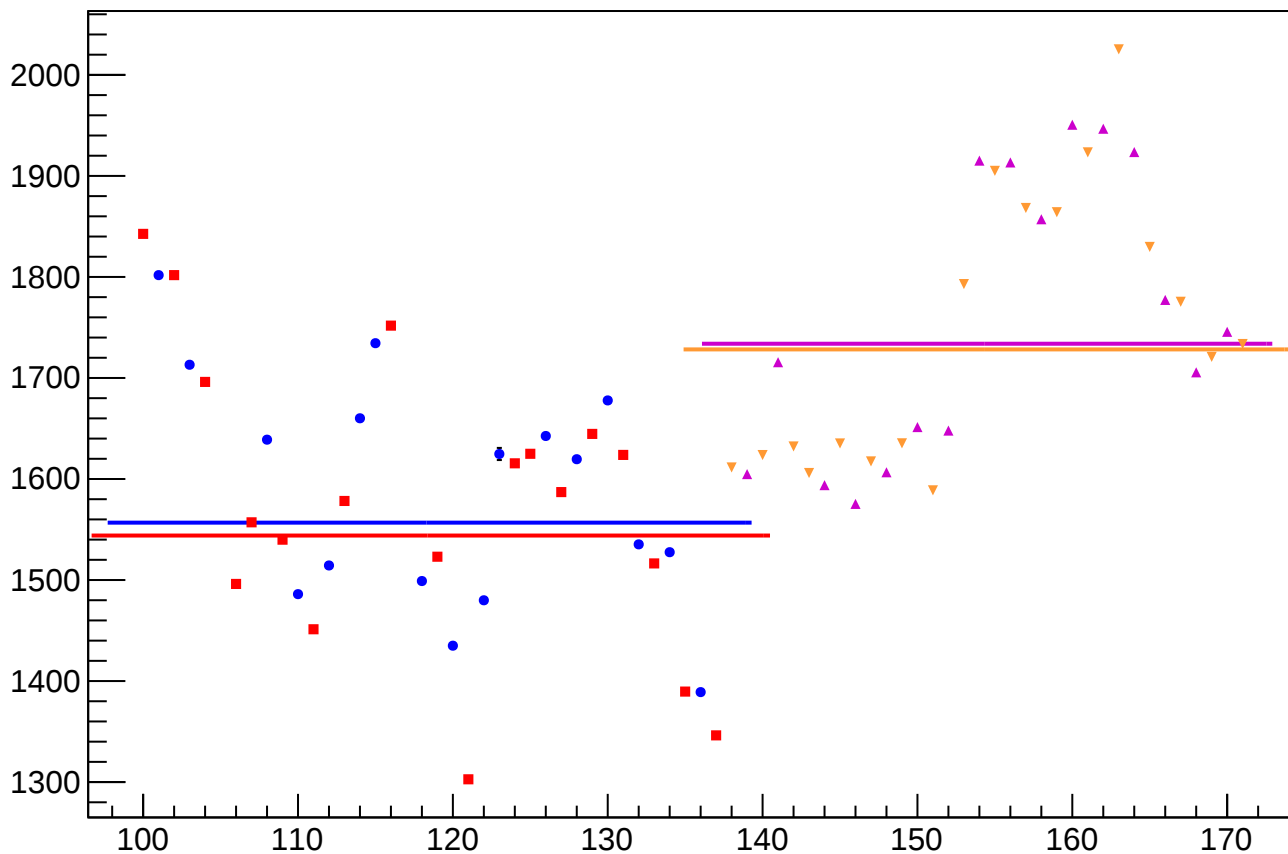
Left In: -58.220 ± 0.493 χ^2/NDF : 2622.3/15

+ sign -40.387 ± 0.371 χ^2/NDF : 24035.5/34

All: -34.313 ± 0.264 χ^2/NDF : 41230.0/69

- 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: 1728.272 $\pm$ 0.334 χ^2 /NDF:141478.7/17

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

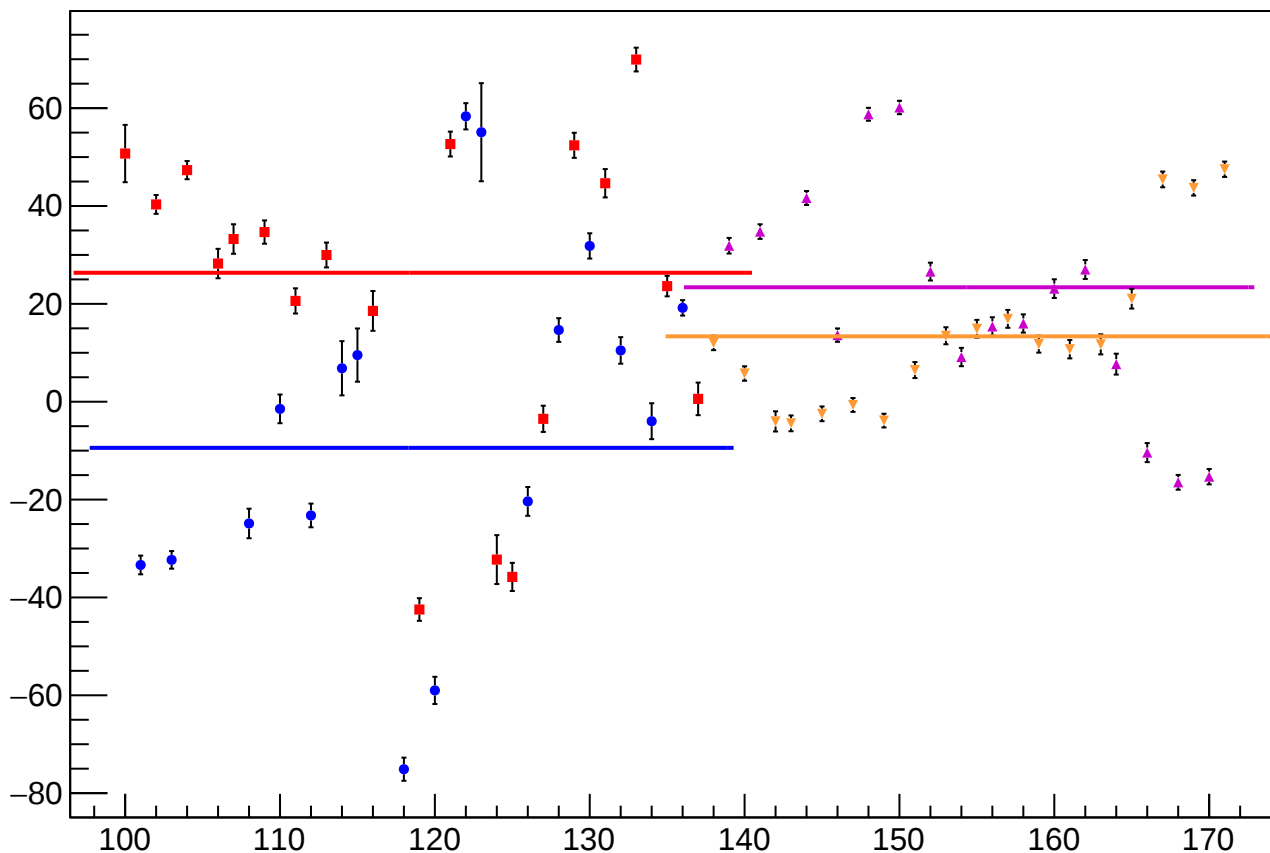
Left In: 1733.898 $\pm$ 0.348 χ^2 /NDF:144381.0/15

+ sign 1662.855 $\pm$ 0.263 χ^2 /NDF: 323616.3/34

All: 1658.588 $\pm$ 0.187 χ^2 /NDF: 693692.6/69

- 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: 13.360 ± 0.390 χ^2/NDF : 1859.0/17

Right Out: 26.354 ± 0.603 χ^2/NDF : 2472.1/18

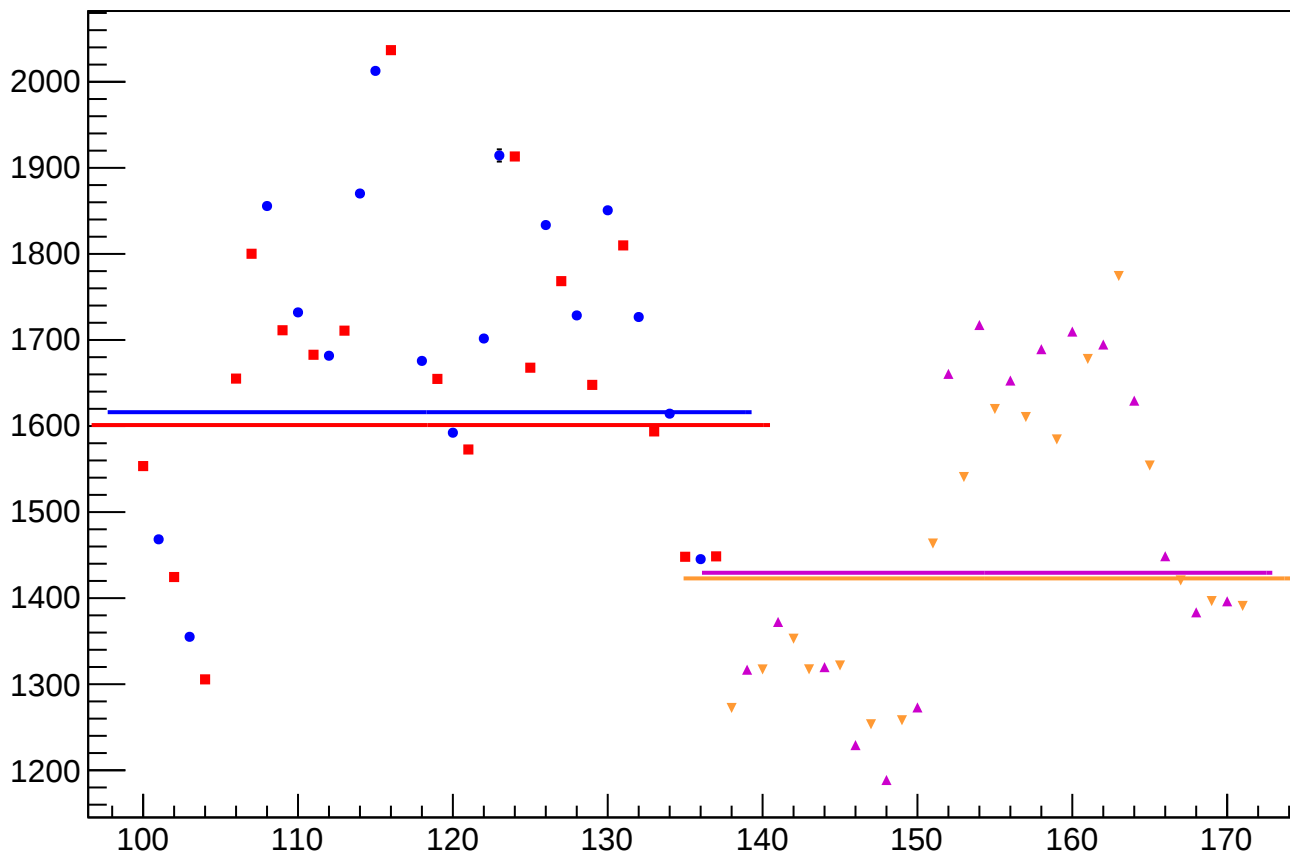
Left In: 23.389 ± 0.409 χ^2/NDF : 3487.3/15

+ sign 6.992 ± 0.331 χ^2/NDF : 5736.5/34

All: 15.476 ± 0.237 χ^2/NDF : 13053.1/69

- 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: 1422.931+/-0.276 χ^2/NDF : 284101.6/17

Right Out: 1601.134+/-0.426 χ^2/NDF : 153651.5/18

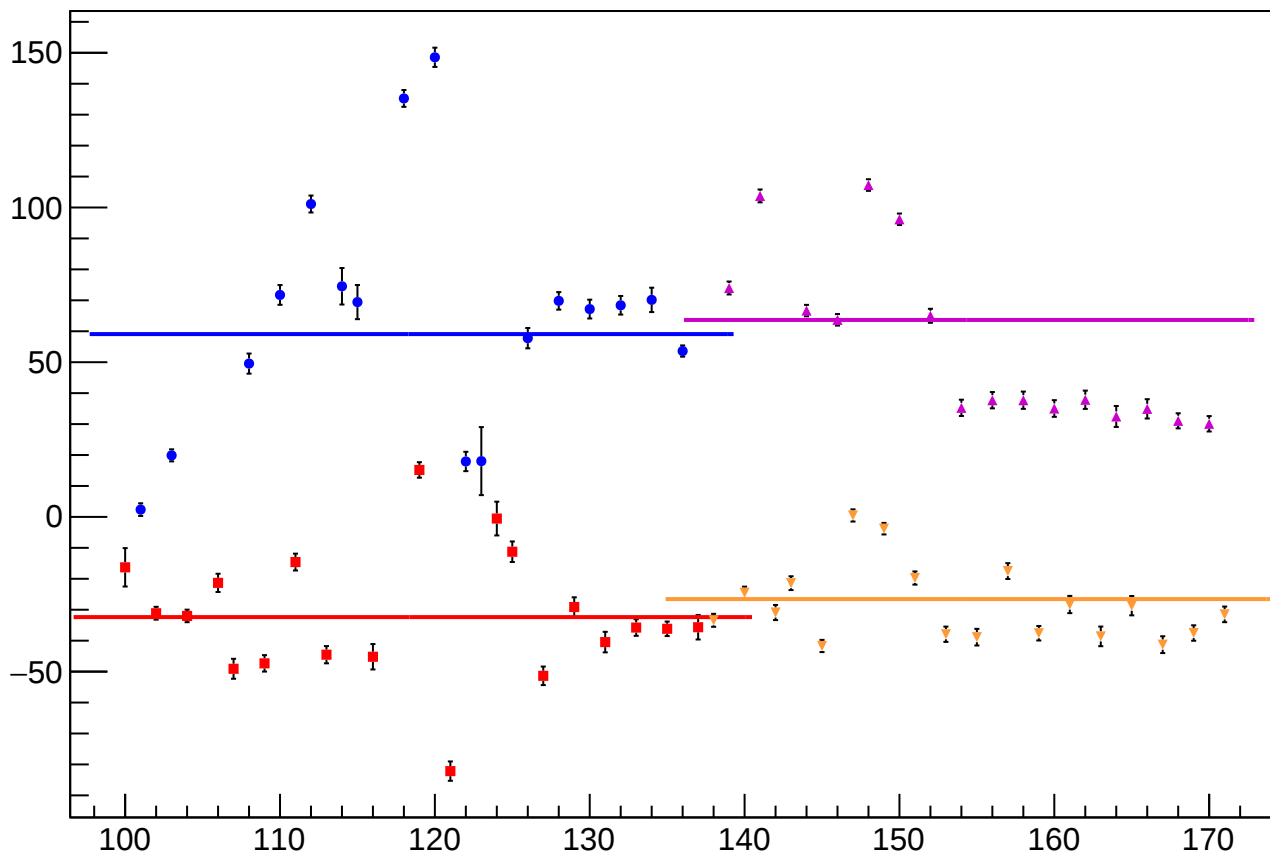
Left In: 1429.489+/-0.289 χ^2/NDF : 407902.0/15

+ sign 1476.915+/-0.234 χ^2/NDF : 570706.3/34

All: 1480.143+/-0.167 χ^2/NDF : 1243776.4/69

- 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: -26.557 $\pm$ 0.551 χ^2 /NDF: 570.3/17

Right Out: -32.382 $\pm$ 0.666 χ^2 /NDF: 891.5/18

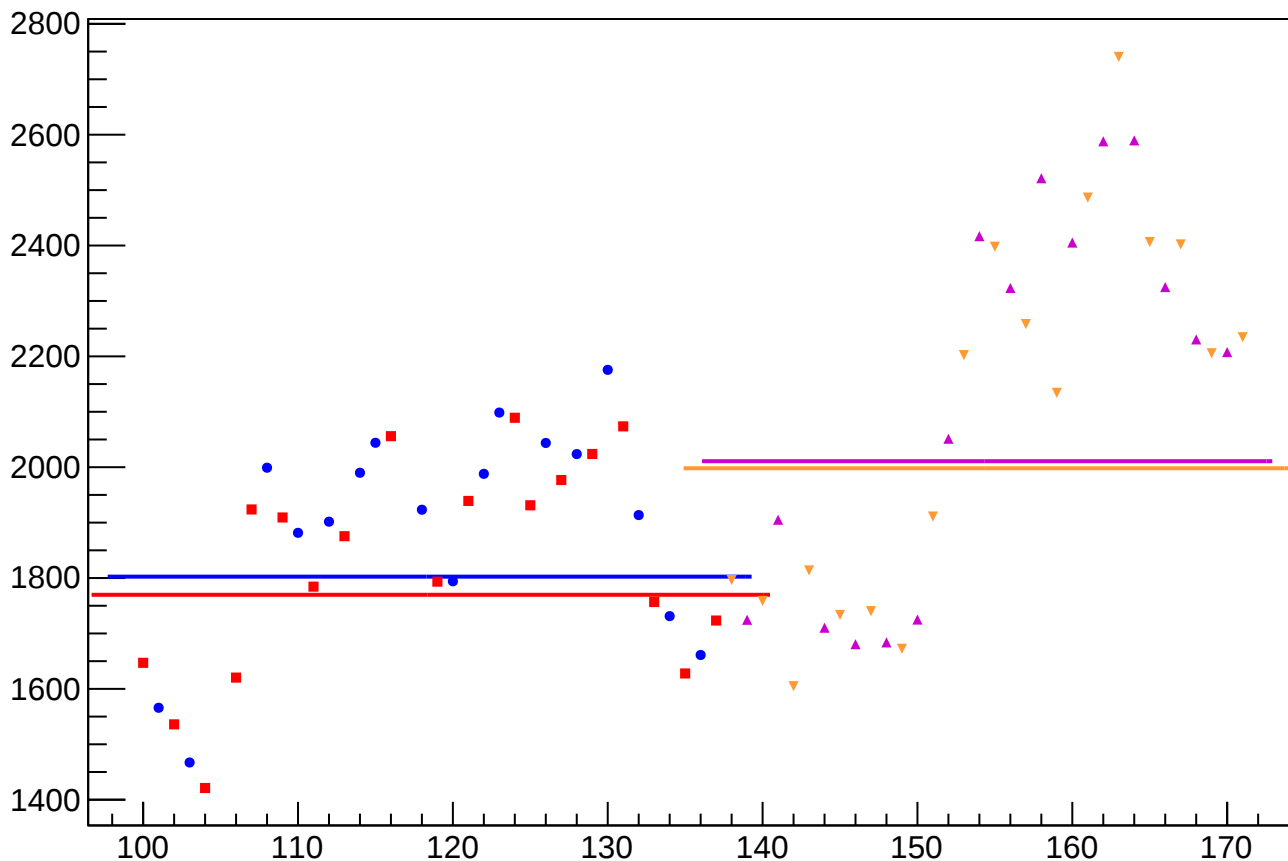
Left In: 63.653 $\pm$ 0.578 χ^2 /NDF: 2262.2/15

+ sign 6.262 $\pm$ 0.433 χ^2 /NDF: 13109.6/34

All: 14.293 $\pm$ 0.307 χ^2 /NDF: 28812.8/69

- sign 22.456 $\pm$ 0.437 χ^2 /NDF: 15009.5/34

diff_bpm0i05X_rms vs Slug



Right In: 1802.524 $\pm$ 0.495 χ^2 /NDF: 184069.0/16

Left Out: 1998.096 $\pm$ 0.390 χ^2 /NDF: 613042.5/17

Right Out: 1769.772 $\pm$ 0.471 χ^2 /NDF: 177893.4/18

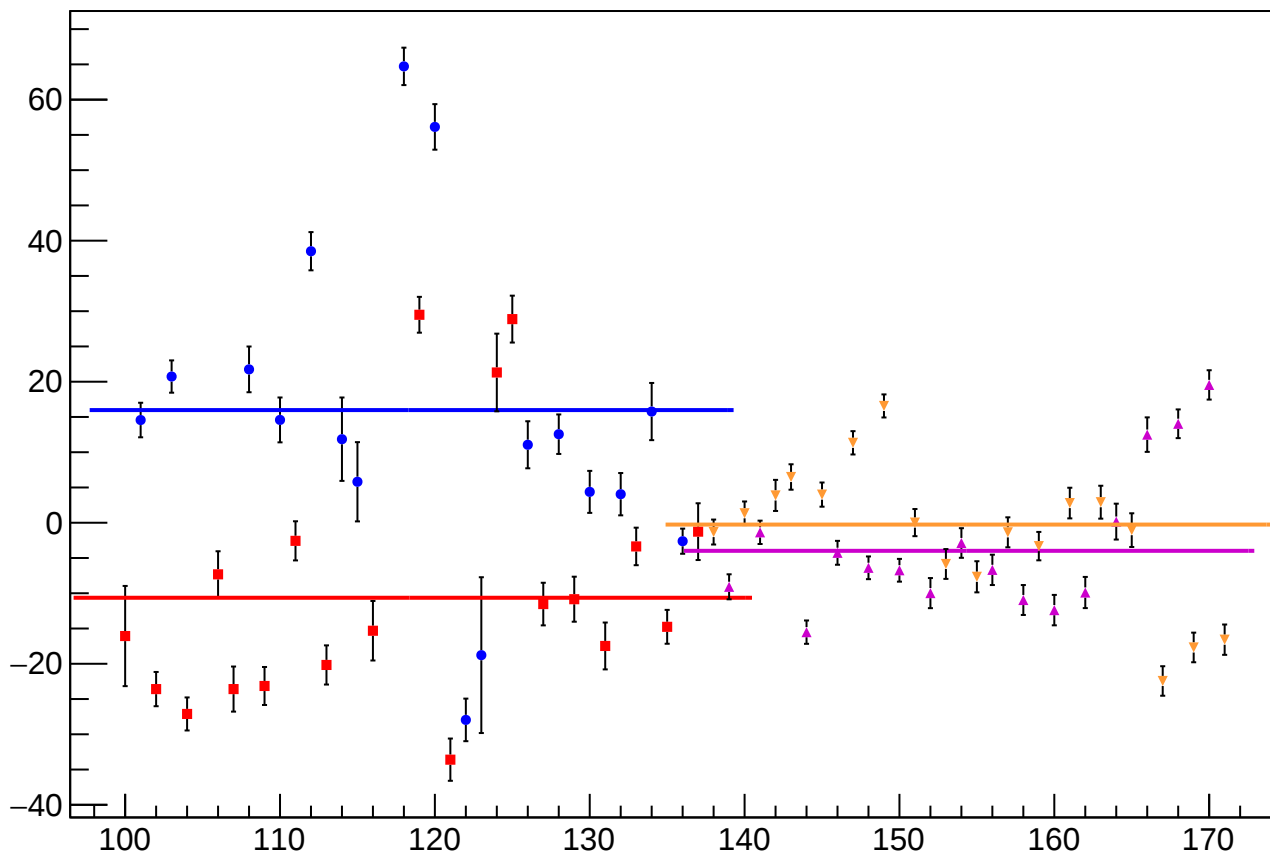
Left In: 2010.850 $\pm$ 0.408 χ^2 /NDF: 636044.6/15

+ sign 1923.149 $\pm$ 0.306 χ^2 /NDF: 893549.1/34

All: 1915.354 $\pm$ 0.217 χ^2 /NDF: 1858215.8/69

- sign 1907.432 $\pm$ 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: -0.259 ± 0.462 χ^2/NDF : 443.5/17

Right Out: -10.638 ± 0.693 χ^2/NDF : 642.1/18

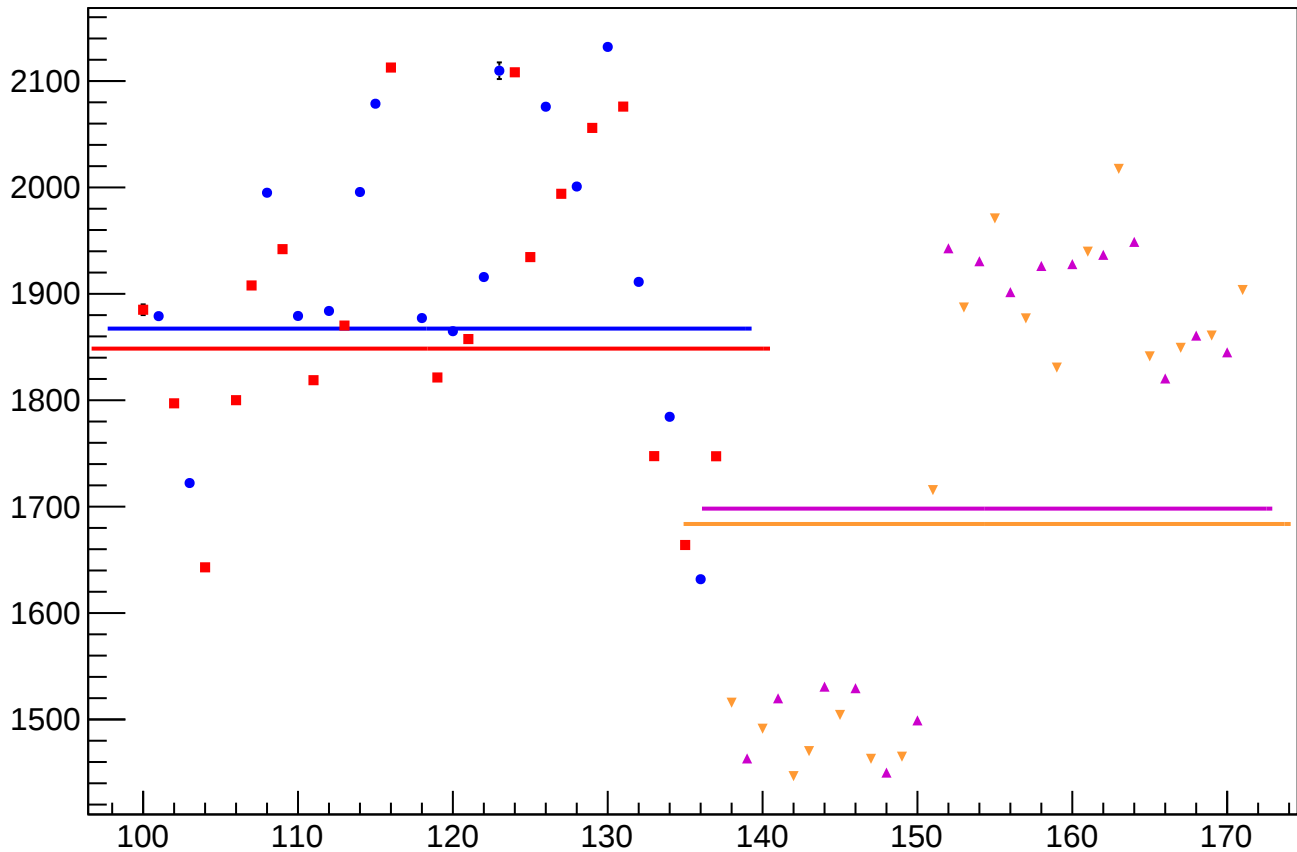
Left In: -3.983 ± 0.484 χ^2/NDF : 361.5/15

+ sign 4.465 ± 0.389 χ^2/NDF : 1740.7/34

All: -0.745 ± 0.278 χ^2/NDF : 3171.7/69

- sign -6.166 ± 0.397 χ^2/NDF : 1065.5/34

diff_bpm0i05Y_rms vs Slug



Right In: 1867.343 $\pm$ 0.510 χ^2 /NDF: 80926.4/16

Left Out: 1683.713 $\pm$ 0.327 χ^2 /NDF: 394067.9/17

Right Out: 1848.532 $\pm$ 0.490 χ^2 /NDF: 72527.3/18

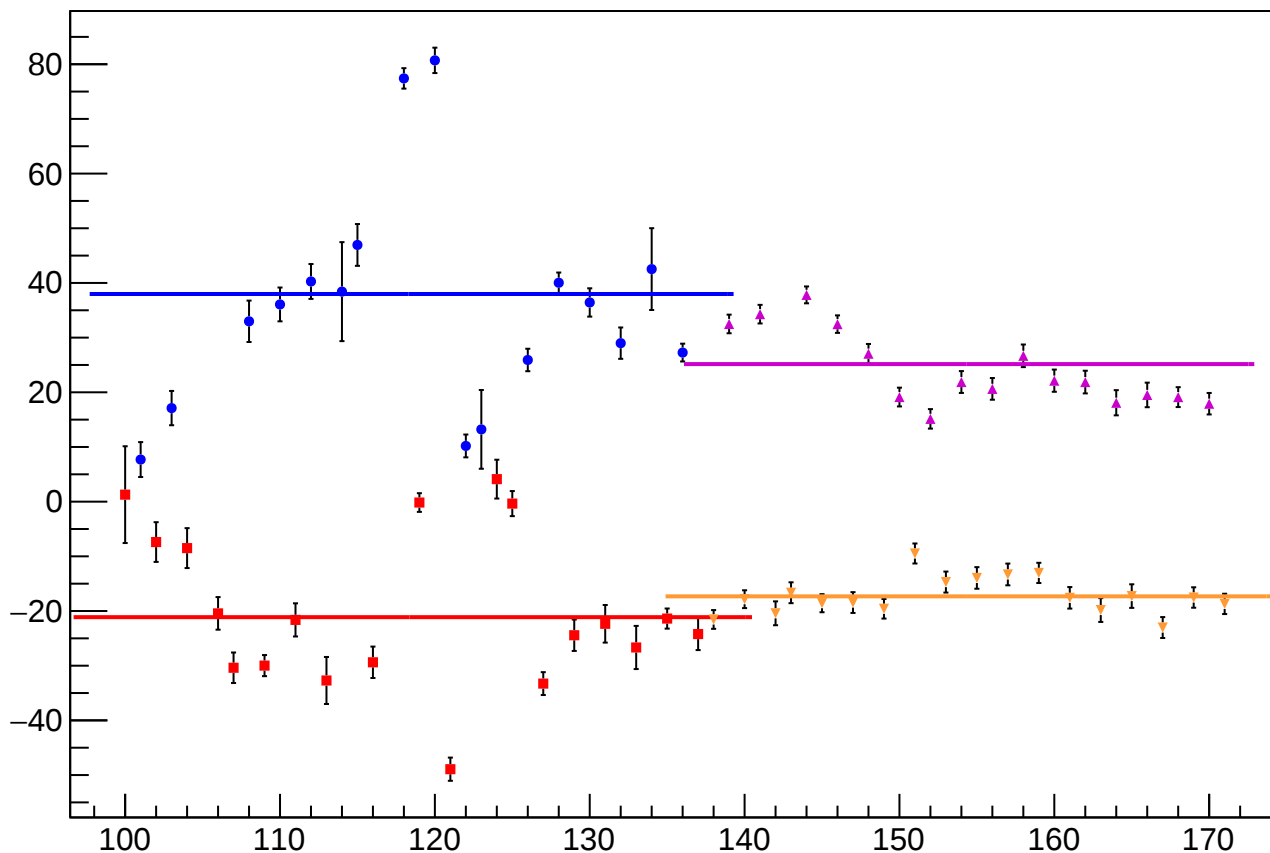
Left In: 1698.145 $\pm$ 0.343 χ^2 /NDF: 361162.2/15

+ sign 1737.150 $\pm$ 0.275 χ^2 /NDF: 566814.3/34

All: 1742.209 $\pm$ 0.197 χ^2 /NDF: 1064421.4/69

- sign 1747.474 $\pm$ 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: -17.320 ± 0.445 χ^2/NDF : 54.2/17

Right Out: -21.124 ± 0.608 χ^2/NDF : 573.6/18

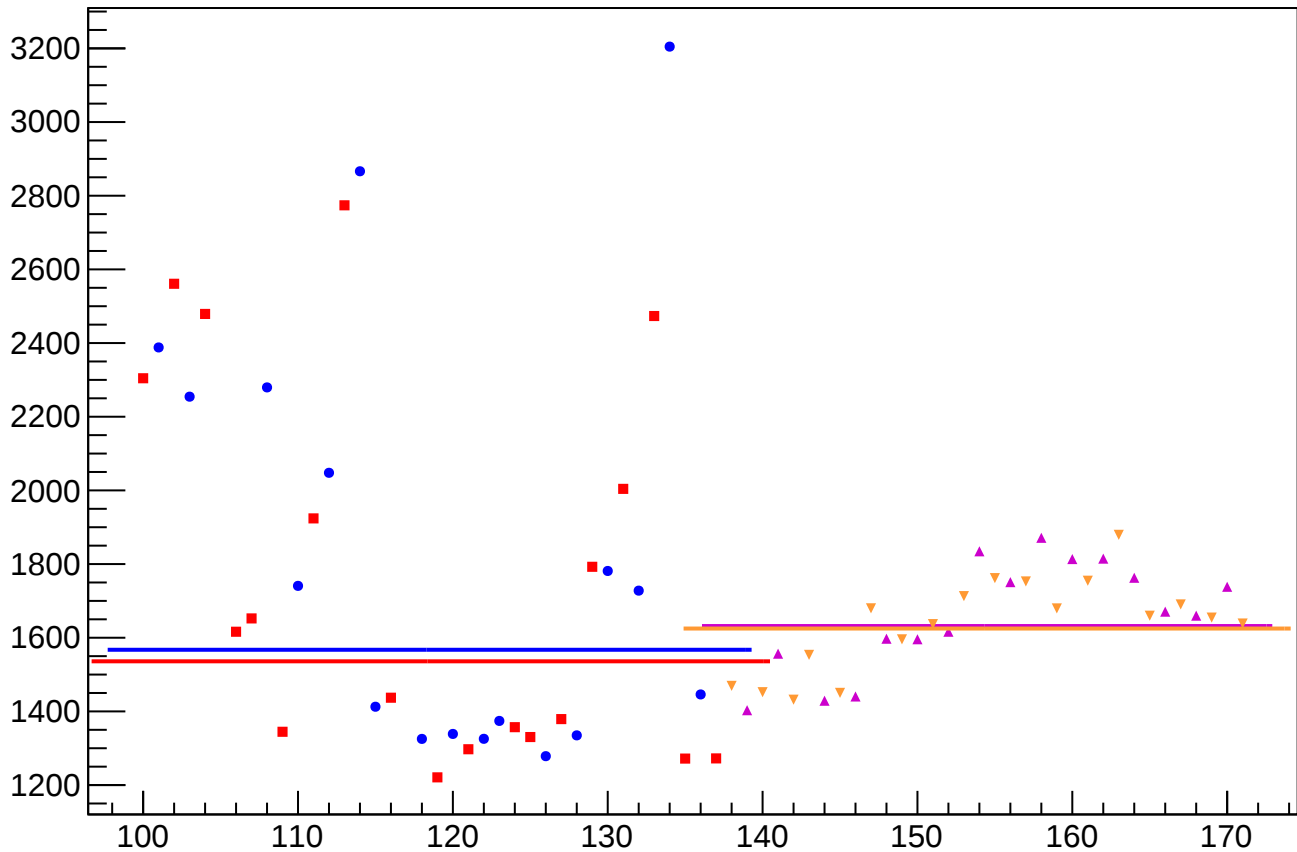
Left In: 25.159 ± 0.465 χ^2/NDF : 234.1/15

+ sign 0.777 ± 0.365 χ^2/NDF : 6322.5/34

All: 4.394 ± 0.259 χ^2/NDF : 10985.0/69

- sign 8.105 ± 0.369 χ^2/NDF : 4463.2/34

diff_bpm0i07X_rms vs Slug



Right In: 1567.328 $\pm$ 0.451 χ^2 /NDF: 673450.6/16

Left Out: 1624.968 $\pm$ 0.314 χ^2 /NDF:145337.5/17

Right Out: 1535.967 $\pm$ 0.430 χ^2 /NDF: 882098.2/18

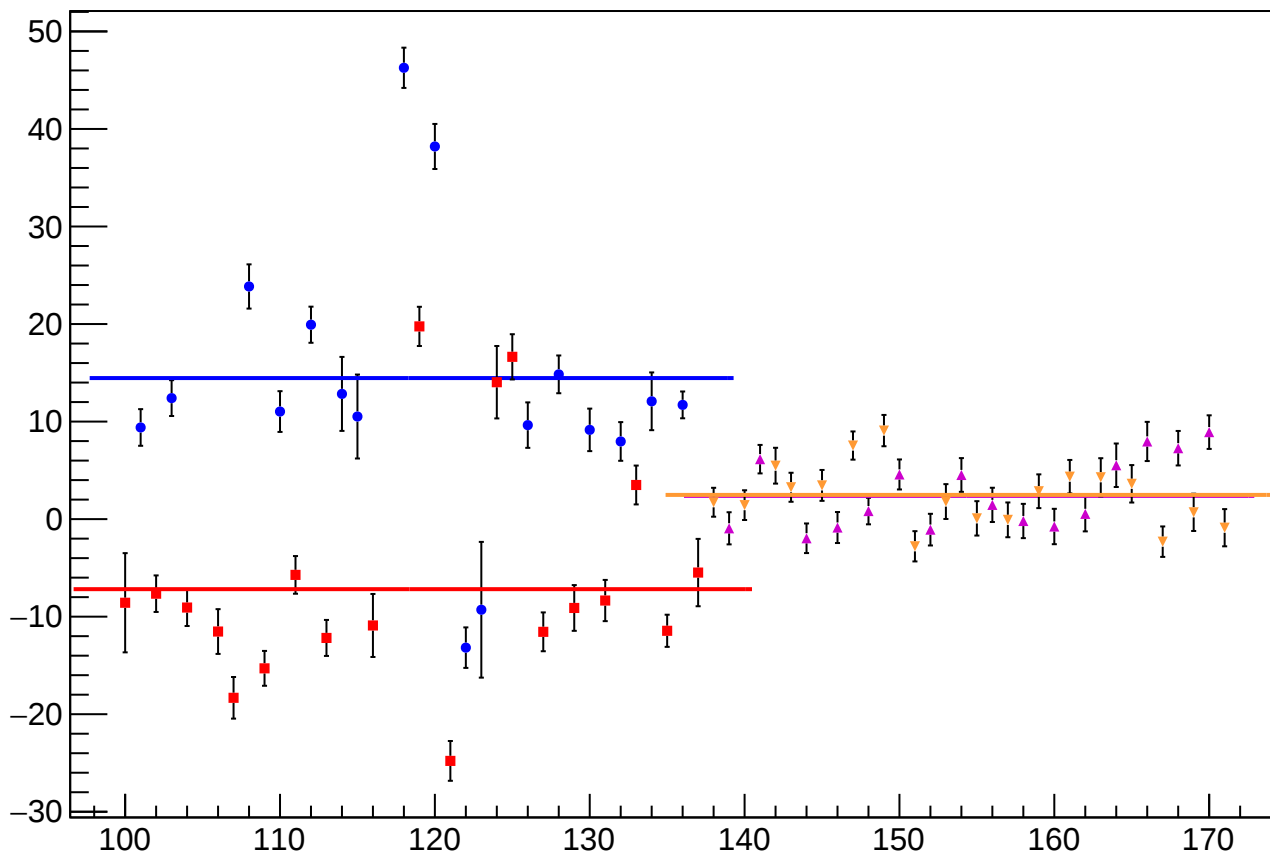
Left In: 1631.732 $\pm$ 0.329 χ^2 /NDF:204504.7/15

+ sign 1606.105 $\pm$ 0.258 χ^2 /NDF: 829792.1/34

All: 1601.336 $\pm$ 0.183 χ^2 /NDF: 1948387.4/69

- sign 1596.445 $\pm$ 0.261 χ^2 /NDF: 1117902.5/34

diff_bpm0i07Y_mean vs Slug



Right In: 14.461 ± 0.523 χ^2/NDF : 595.9/16

Left Out: 2.482 ± 0.394 χ^2/NDF : 64.6/17

Right Out: -7.181 ± 0.494 χ^2/NDF : 495.7/18

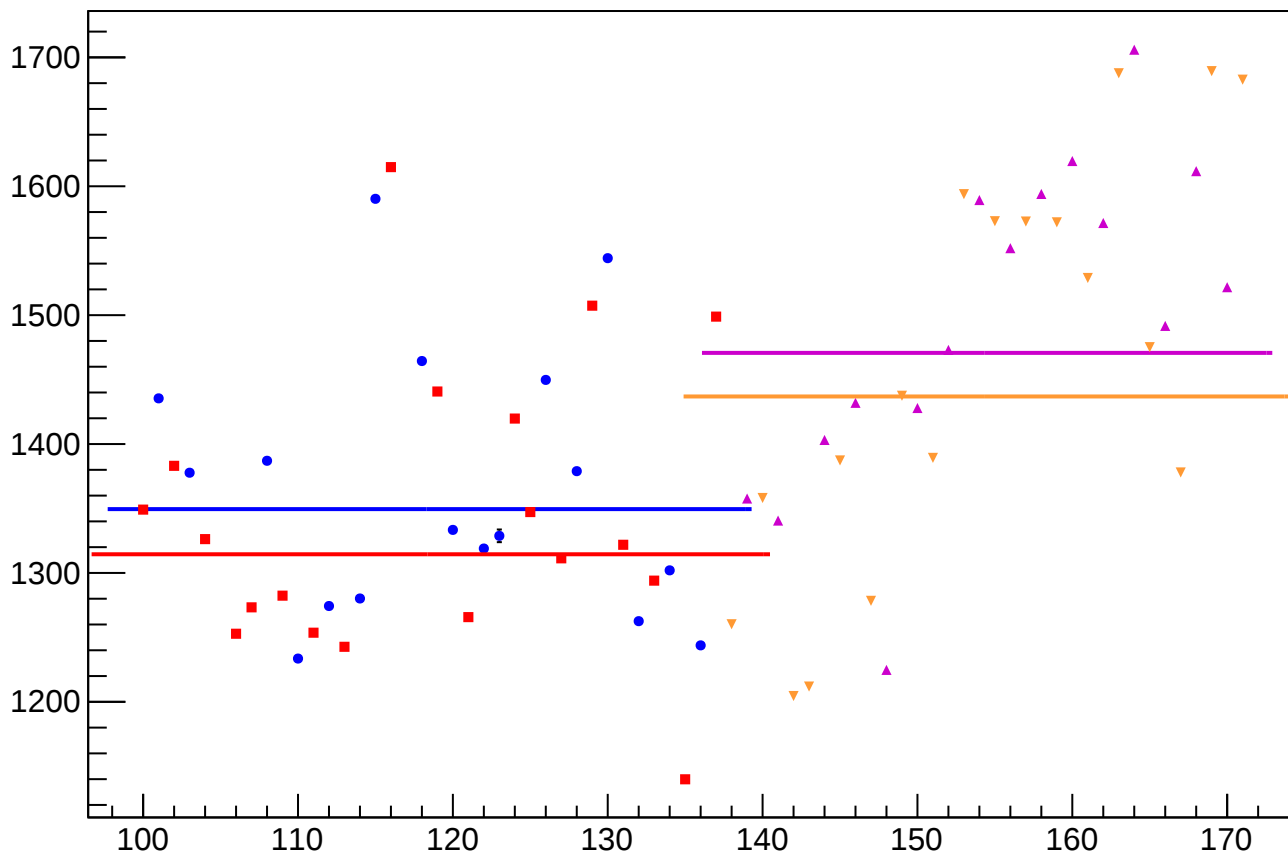
Left In: 2.379 ± 0.418 χ^2/NDF : 70.7/15

+ sign 6.821 ± 0.315 χ^2/NDF : 994.9/34

All: 2.665 ± 0.224 χ^2/NDF : 2132.6/69

- sign -1.611 ± 0.319 χ^2/NDF : 784.3/34

diff_bpm0i07Y_rms vs Slug



Right In: 1349.522 $\pm$ 0.370 χ^2 /NDF: 64667.6/16

Left Out: 1436.915 $\pm$ 0.279 χ^2 /NDF: 301079.2/17

Right Out: 1314.485 $\pm$ 0.350 χ^2 /NDF: 80952.7/18

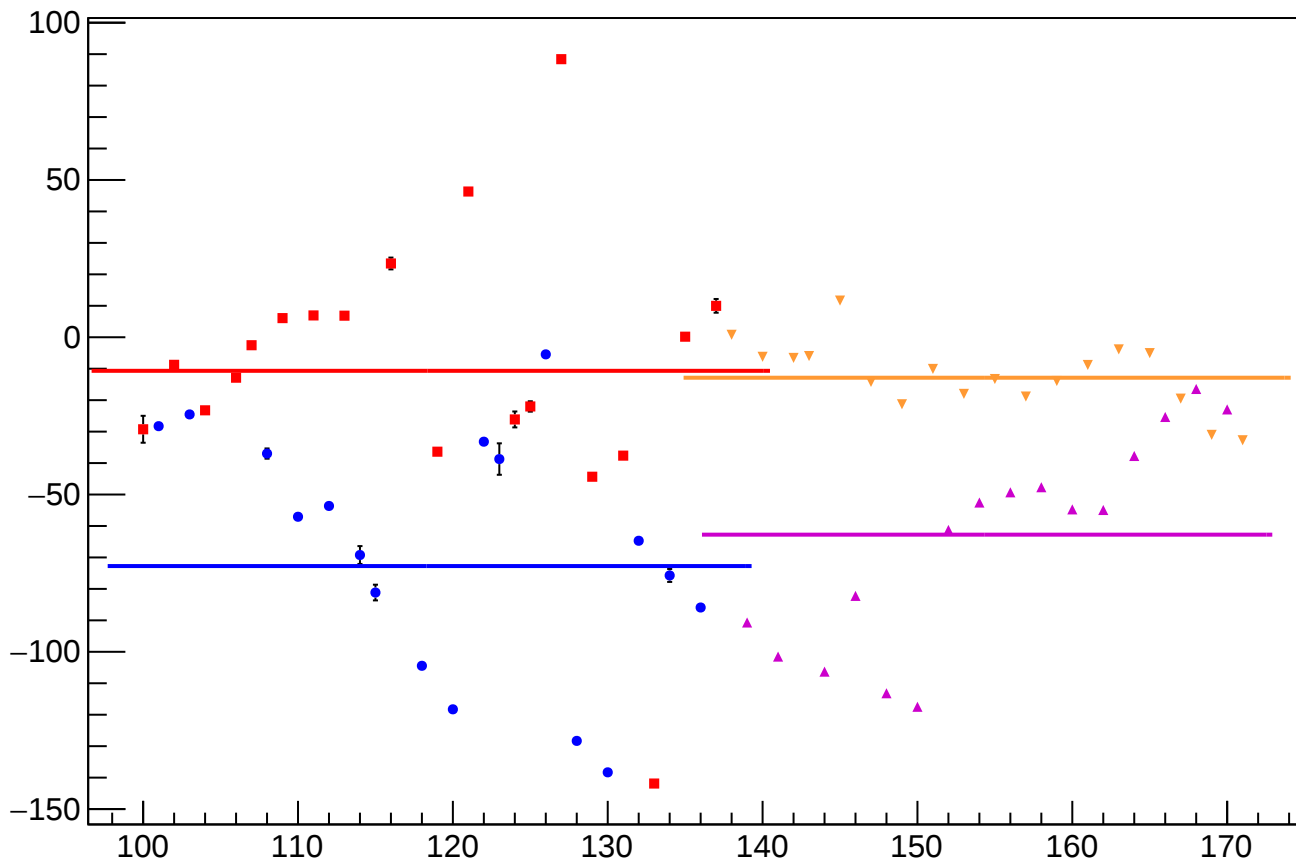
Left In: 1470.735 $\pm$ 0.296 χ^2 /NDF: 177504.2/15

+ sign 1405.260 $\pm$ 0.223 χ^2 /NDF: 401335.8/34

All: 1405.388 $\pm$ 0.159 χ^2 /NDF: 776194.0/69

- sign 1405.519 $\pm$ 0.226 χ^2 /NDF: 374857.5/34

diff_bpm1i02X_mean vs Slug



Right In: -72.741 ± 0.362 $\chi^2/\text{NDF}: 11690.4/16$

Left Out: -12.865 ± 0.251 $\chi^2/\text{NDF}: 1888.7/17$

Right Out: -10.671 ± 0.352 $\chi^2/\text{NDF}: 18171.0/18$

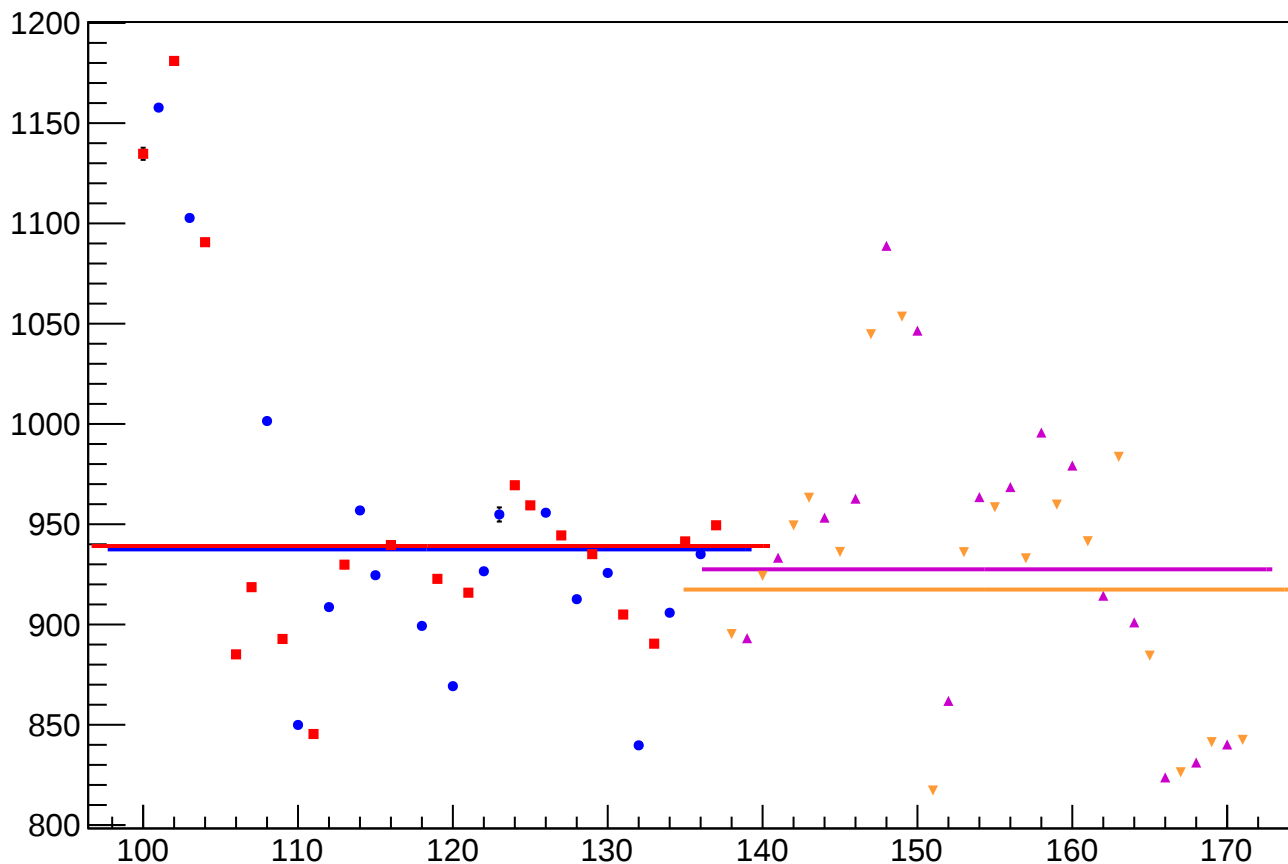
Left In: -62.758 ± 0.264 $\chi^2/\text{NDF}: 14844.0/15$

+ sign -32.254 ± 0.206 $\chi^2/\text{NDF}: 32041.9/34$

All: -38.025 ± 0.147 $\chi^2/\text{NDF}: 80674.9/69$

- sign -44.070 ± 0.211 $\chi^2/\text{NDF}: 47029.3/34$

diff_bpm1i02X_rms vs Slug



Right In: 937.454 ± 0.256 χ^2/NDF : 98307.6/16

Left Out: 917.428 ± 0.177 χ^2/NDF : 140679.7/17

Right Out: 939.140 ± 0.249 χ^2/NDF : 90253.2/18

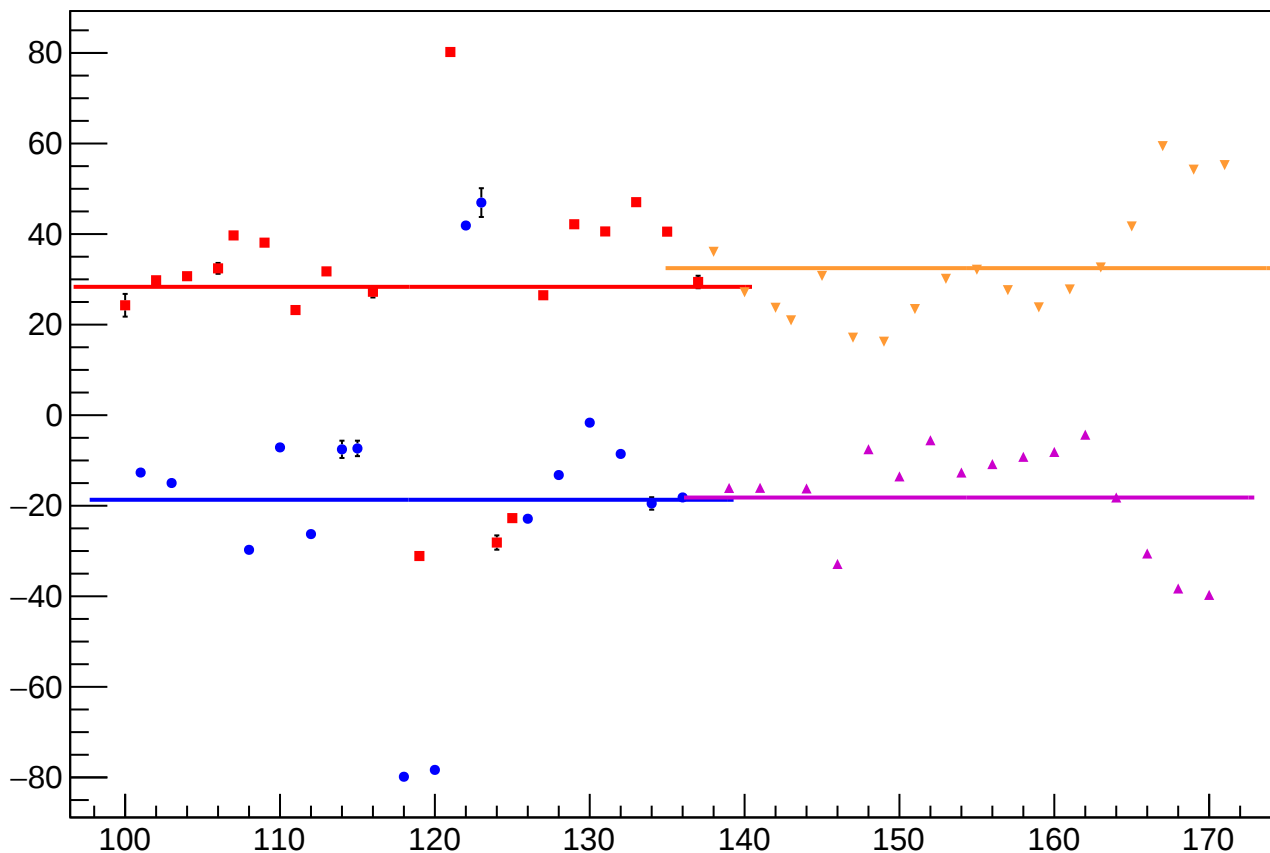
Left In: 927.520 ± 0.186 χ^2/NDF : 148599.6/15

+ sign 923.912 ± 0.146 χ^2/NDF : 243118.0/34

All: 927.710 ± 0.104 χ^2/NDF : 484755.0/69

- sign 931.689 ± 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: 32.474 ± 0.196 $\chi^2/\text{NDF}: 4410.9/17$

Right Out: 28.347 ± 0.235 $\chi^2/\text{NDF}: 12508.1/18$

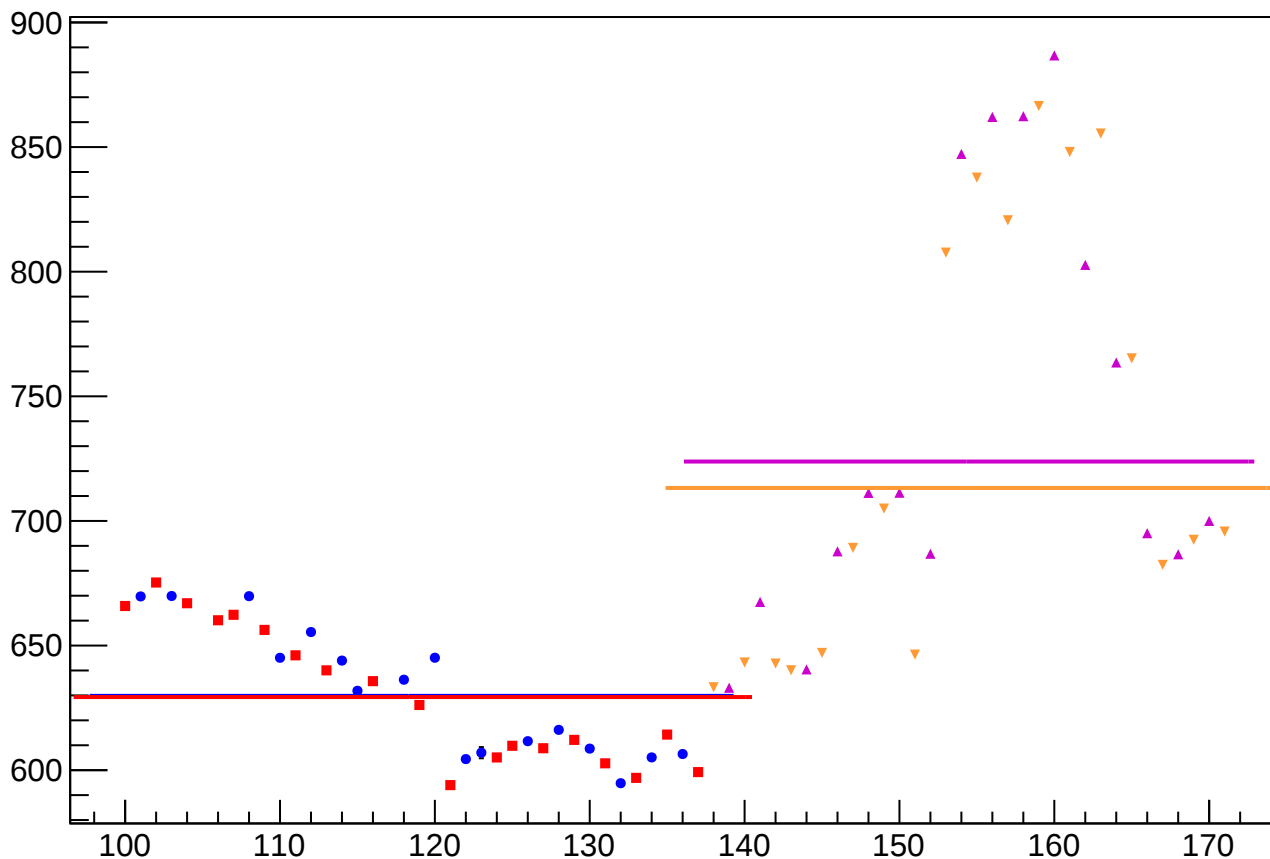
Left In: -18.188 ± 0.206 $\chi^2/\text{NDF}: 3037.1/15$

+ sign 12.307 ± 0.152 $\chi^2/\text{NDF}: 44340.6/34$

All: 7.262 ± 0.109 $\chi^2/\text{NDF}: 84211.7/69$

- sign 2.027 ± 0.155 $\chi^2/\text{NDF}: 37636.9/34$

diff_bpm1i02Y_rms vs Slug



Right In: 629.815+/-0.172 χ^2/NDF : 23298.3/16

Left Out: 713.237+/-0.138 χ^2/NDF : 332186.1/17

Right Out: 629.340+/-0.166 χ^2/NDF : 25538.5/18

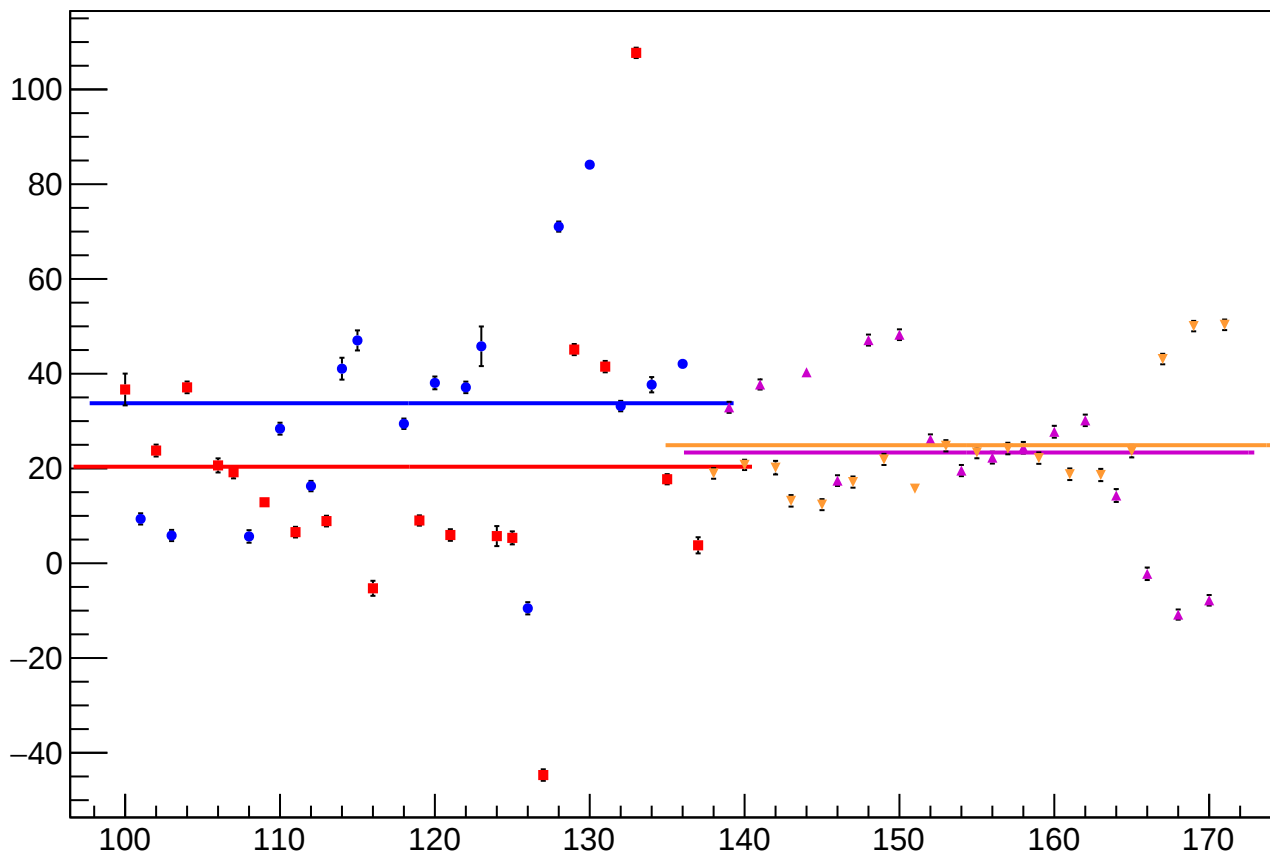
Left In: 723.830+/-0.146 χ^2/NDF : 277549.4/15

+ sign 680.350+/-0.108 χ^2/NDF : 498673.2/34

All: 681.544+/-0.077 χ^2/NDF : 984181.1/69

- sign 682.782+/-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: 24.916 $\pm$ 0.279 χ^2 /NDF: 1751.7/17

Right Out: 20.375 $\pm$ 0.293 χ^2 /NDF: 11287.7/18

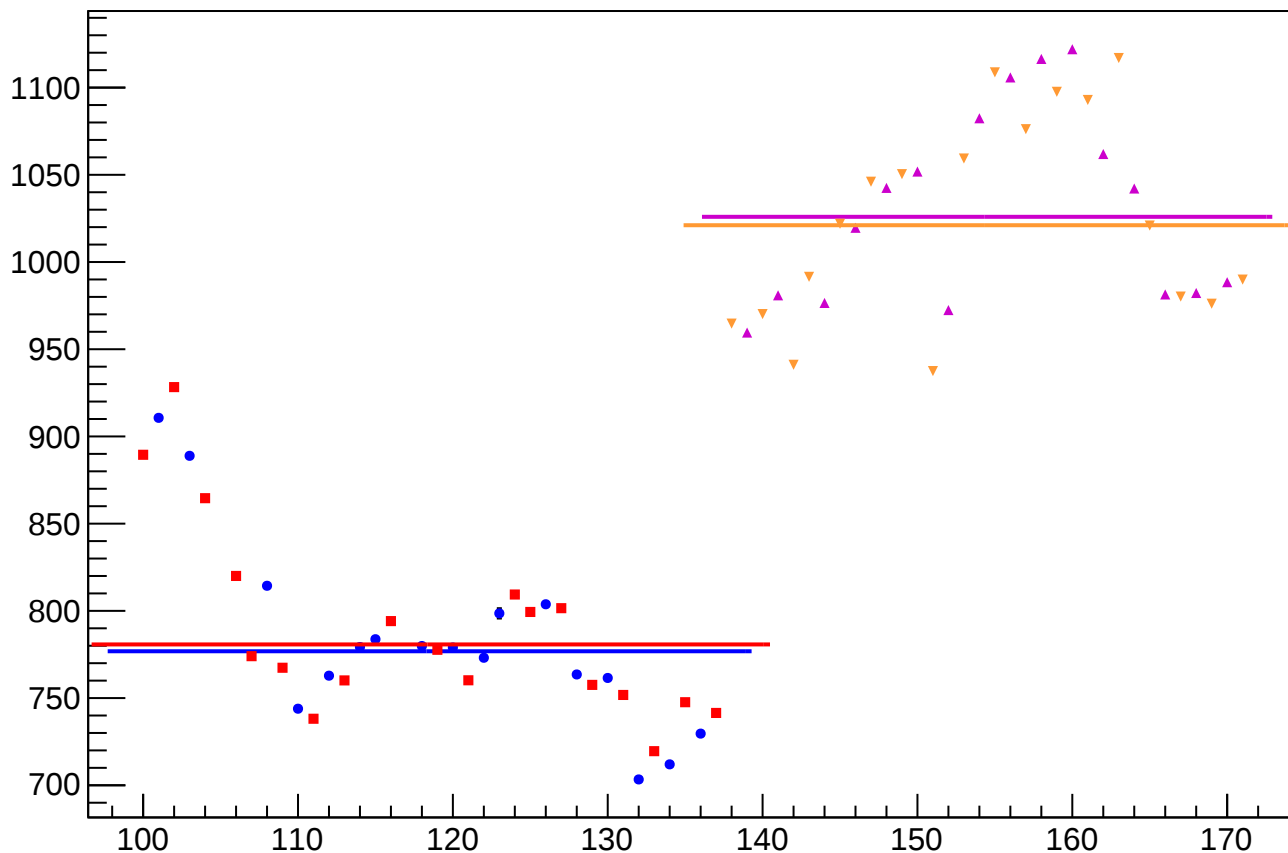
Left In: 23.372 $\pm$ 0.291 χ^2 /NDF: 3712.8/15

+ sign 29.021 $\pm$ 0.204 χ^2 /NDF: 8707.6/34

All: 25.488 $\pm$ 0.145 χ^2 /NDF: 24365.8/69

- 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: 1021.093 $\pm$ 0.197 χ^2 /NDF:81316.0/17

Right Out: 780.755 $\pm$ 0.207 χ^2 /NDF: 57428.9/18

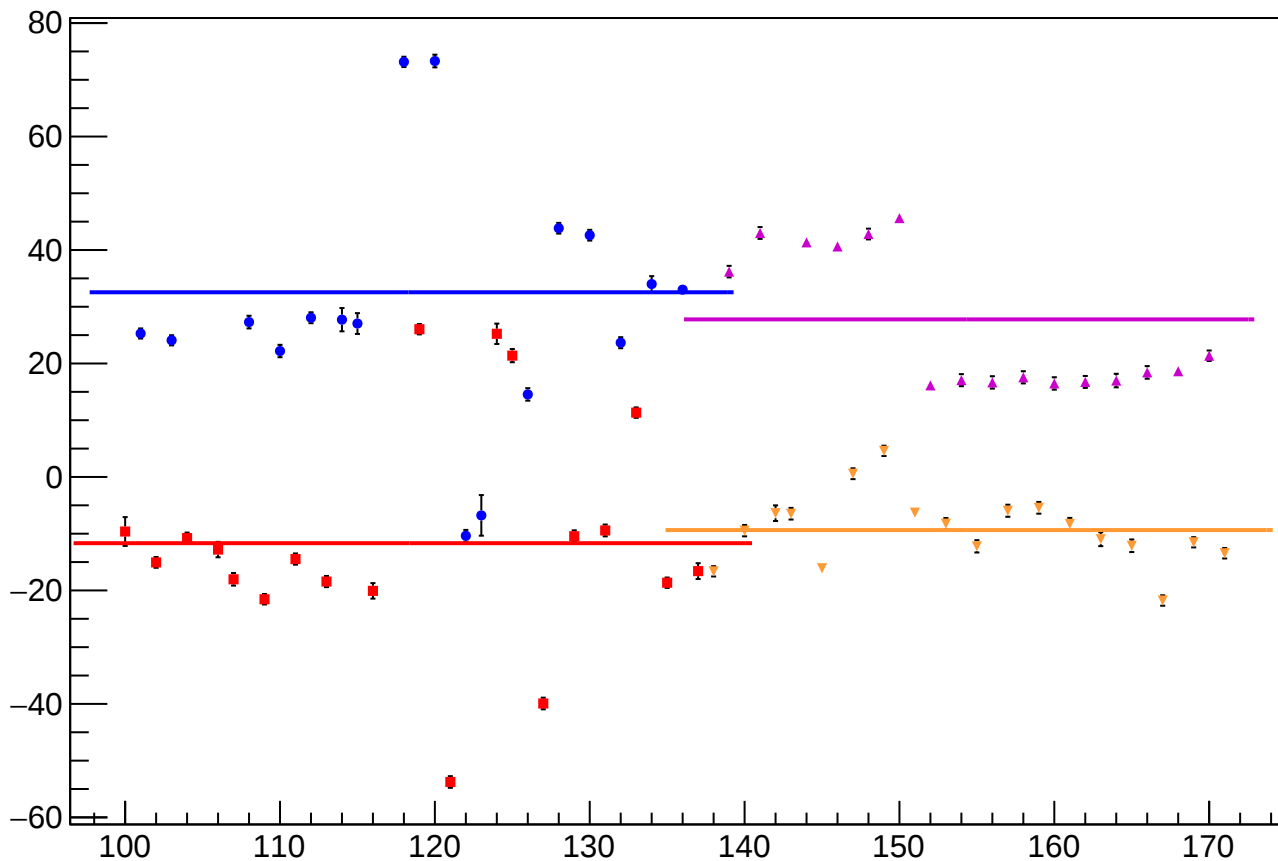
Left In: 1025.919 $\pm$ 0.206 χ^2 /NDF:66090.0/15

+ sign 907.898 $\pm$ 0.144 χ^2 /NDF: 860680.4/34

All: 905.954 $\pm$ 0.103 χ^2 /NDF: 1690602.8/69

- sign 903.969 $\pm$ 0.146 χ^2 /NDF: 829555.9/34

diff_bpm1i04Y_mean vs Slug



Right In: 32.552 $\pm$ 0.253 χ^2 /NDF: 6073.0/16

Left Out: -9.362 $\pm$ 0.233 χ^2 /NDF: 740.5/17

Right Out: -11.674 $\pm$ 0.247 χ^2 /NDF: 6357.6/18

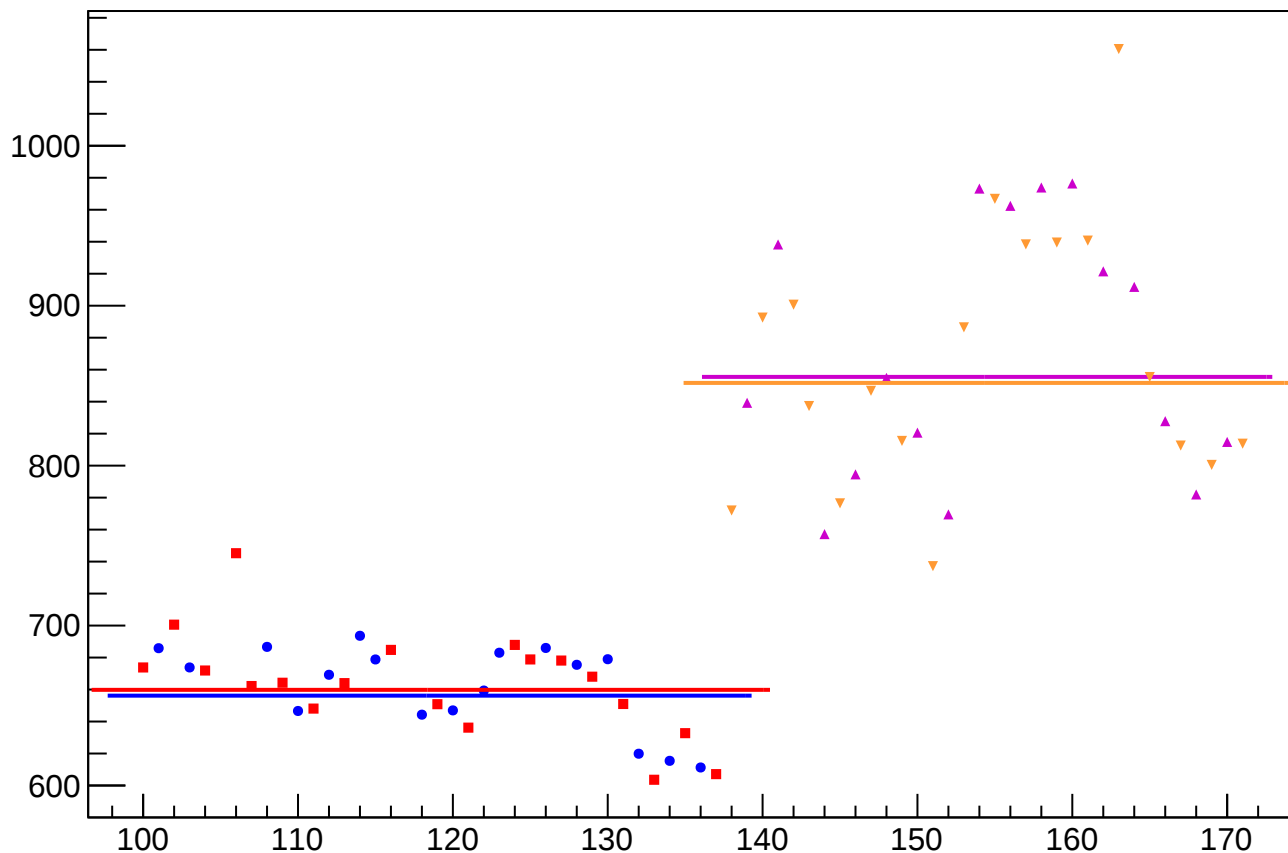
Left In: 27.775 $\pm$ 0.244 χ^2 /NDF: 2436.7/15

+ sign 9.923 $\pm$ 0.172 χ^2 /NDF: 21647.6/34

All: 9.114 $\pm$ 0.122 χ^2 /NDF: 43394.2/69

- sign 8.287 $\pm$ 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: 851.724 ± 0.165 χ^2/NDF : 216059.4/17

Right Out: 659.813 ± 0.175 χ^2/NDF : 28325.7/18

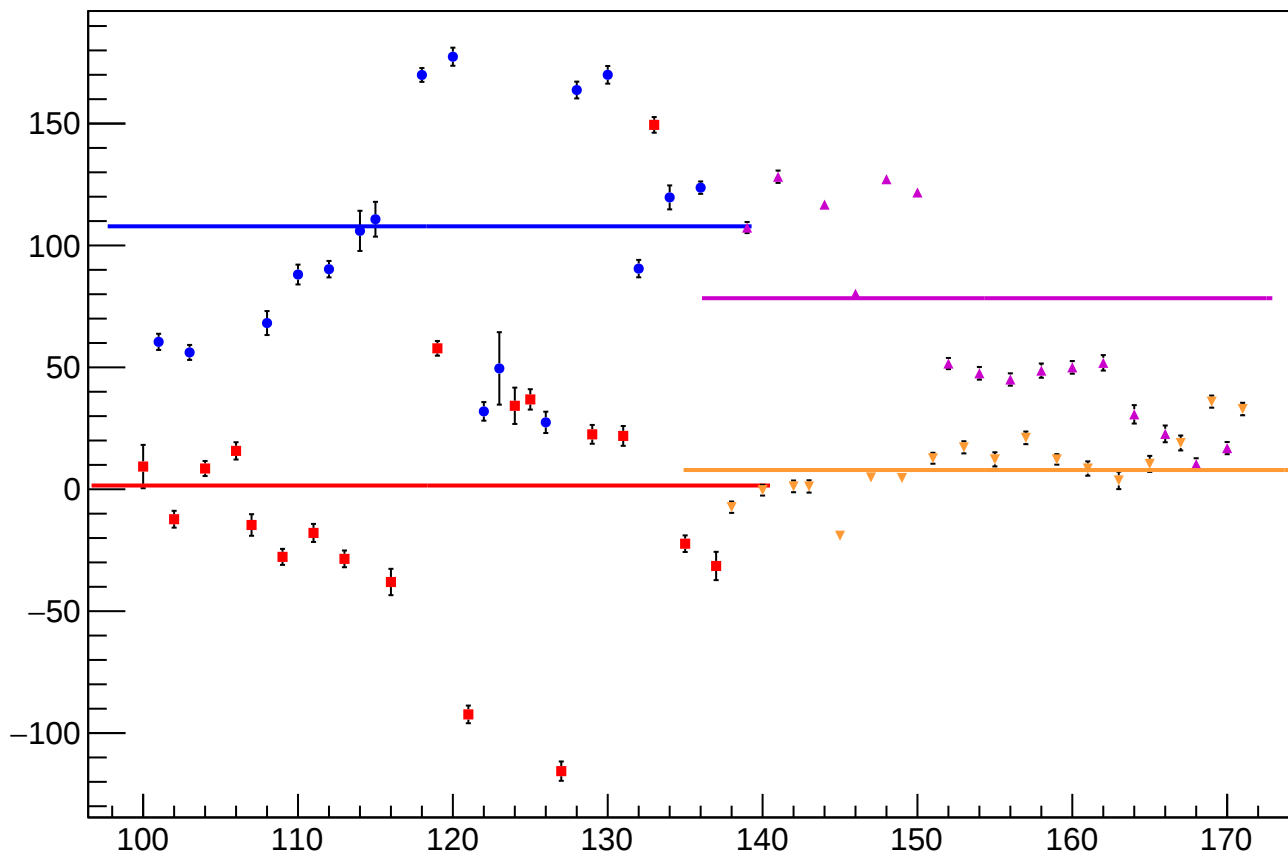
Left In: 855.488 ± 0.173 χ^2/NDF : 199080.5/15

+ sign 761.757 ± 0.121 χ^2/NDF : 885385.5/34

All: 760.307 ± 0.086 χ^2/NDF : 1748232.0/69

- 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: 7.891 $\pm$ 0.563 χ^2 /NDF: 542.4/17

Right Out: 1.542 $\pm$ 0.883 χ^2 /NDF: 4523.8/18

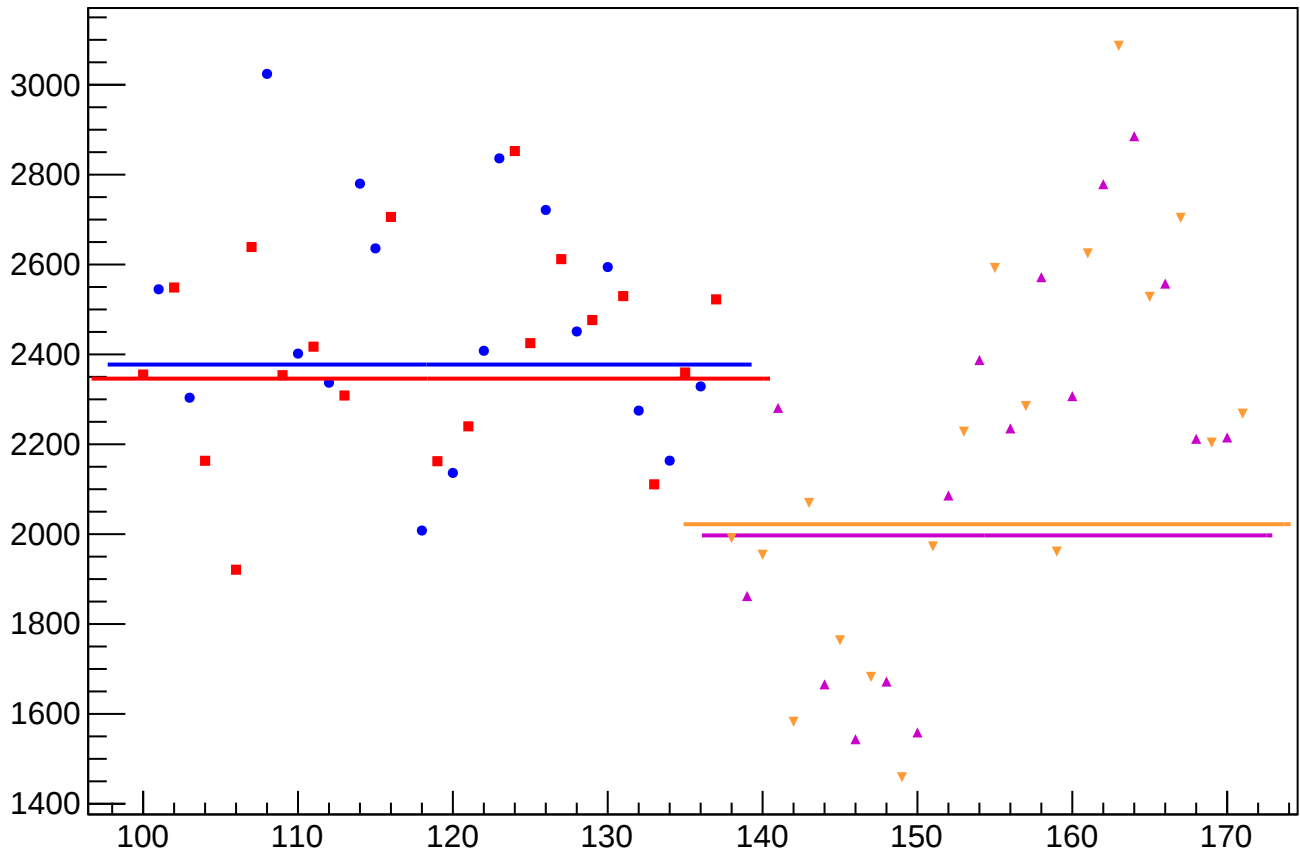
Left In: 78.365 $\pm$ 0.580 χ^2 /NDF: 4880.7/15

+ sign 35.058 $\pm$ 0.480 χ^2 /NDF: 11919.7/34

All: 45.029 $\pm$ 0.341 χ^2 /NDF: 27476.8/69

- 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: 2022.139+/-0.398 χ^2/NDF : 952626.9/17

Right Out: 2346.121+/-0.625 χ^2/NDF : 108257.3/18

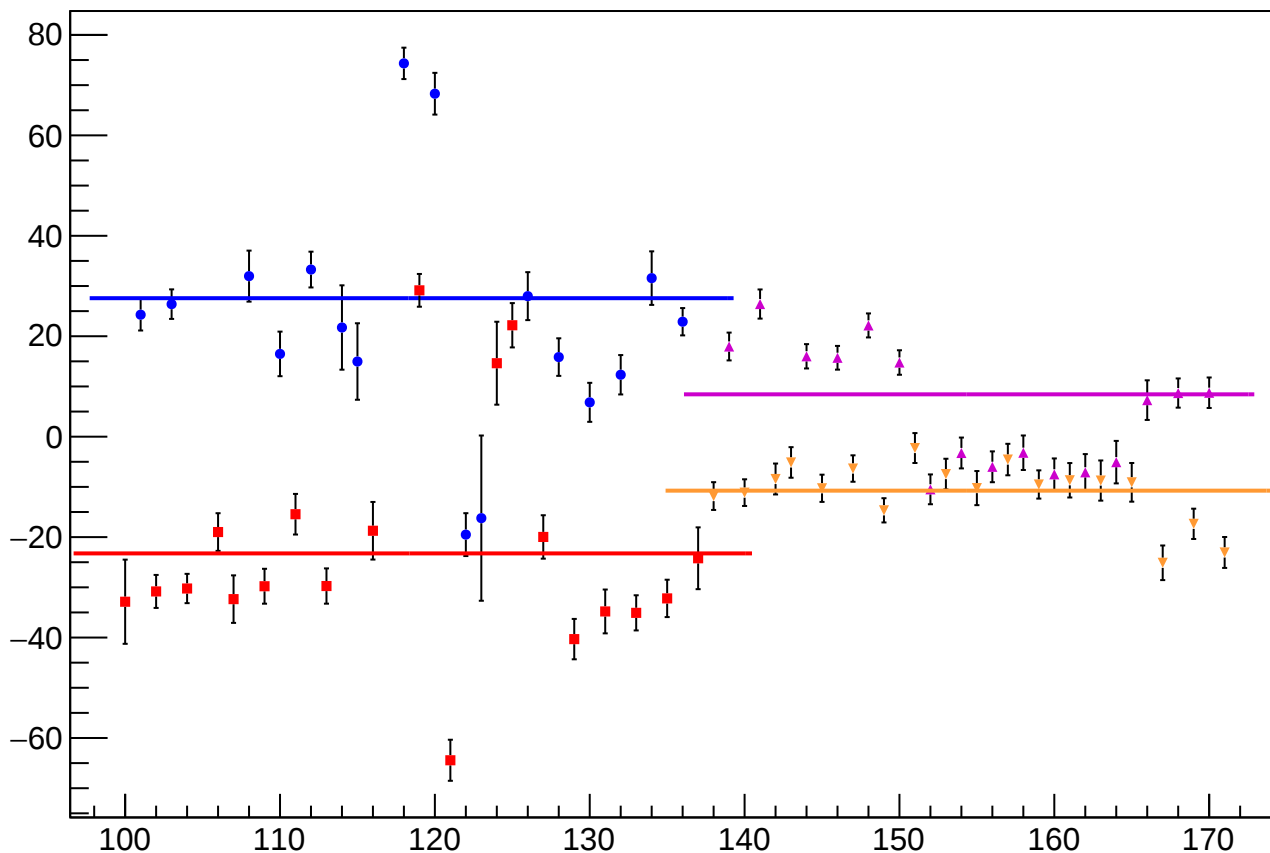
Left In: 1997.199+/-0.410 χ^2/NDF : 921597.7/15

+ sign 2118.697+/-0.340 χ^2/NDF : 1288757.1/34

All: 2110.645+/-0.241 χ^2/NDF : 2537699.8/69

- 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: -10.748 ± 0.709 χ^2/NDF : 62.0/17

Right Out: -23.243 ± 0.927 χ^2/NDF : 557.9/18

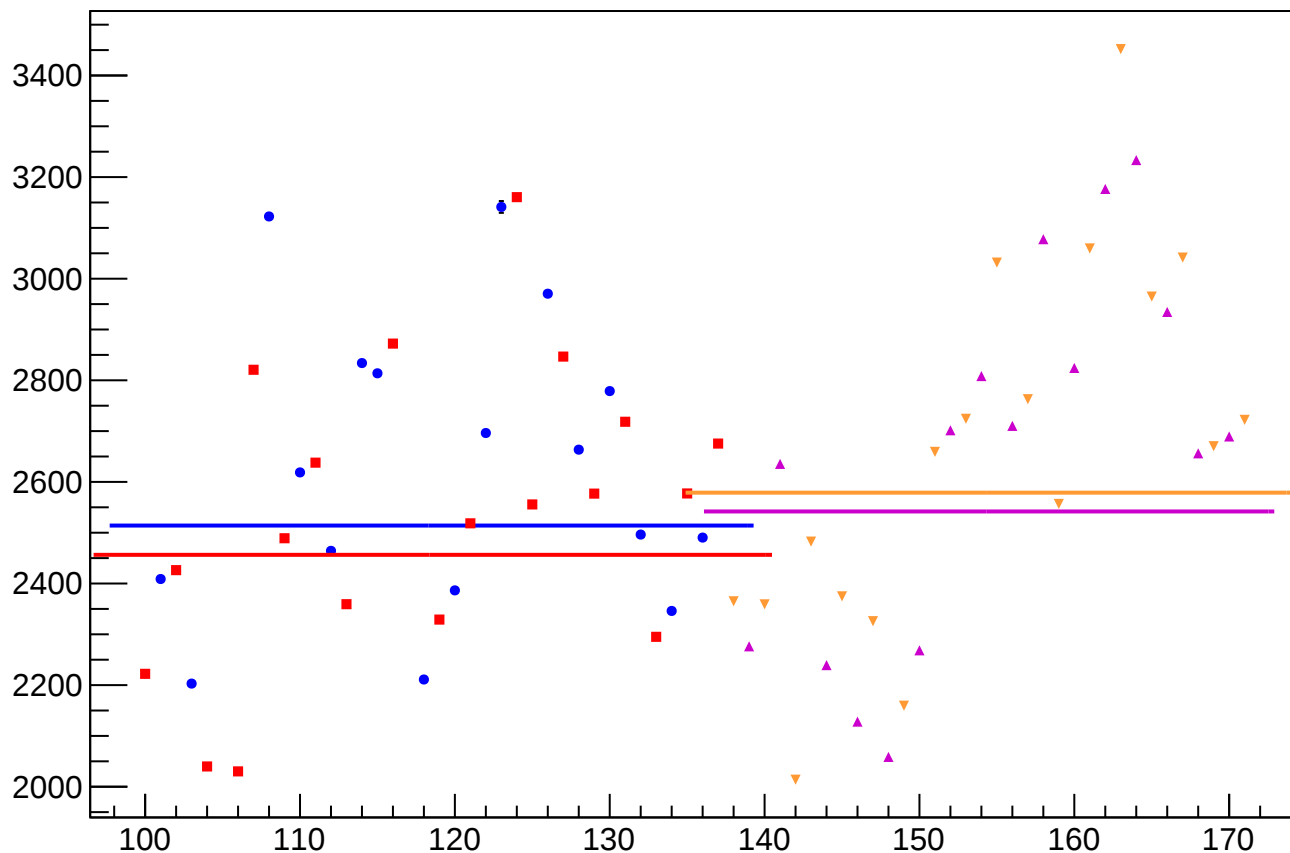
Left In: 8.432 ± 0.730 χ^2/NDF : 251.6/15

+ sign 2.520 ± 0.574 χ^2/NDF : 1592.2/34

All: -0.590 ± 0.406 χ^2/NDF : 3180.8/69

- 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: 2578.838+/-0.502 χ^2/NDF : 430745.7/17

Right Out: 2456.460+/-0.655 χ^2/NDF : 149732.7/18

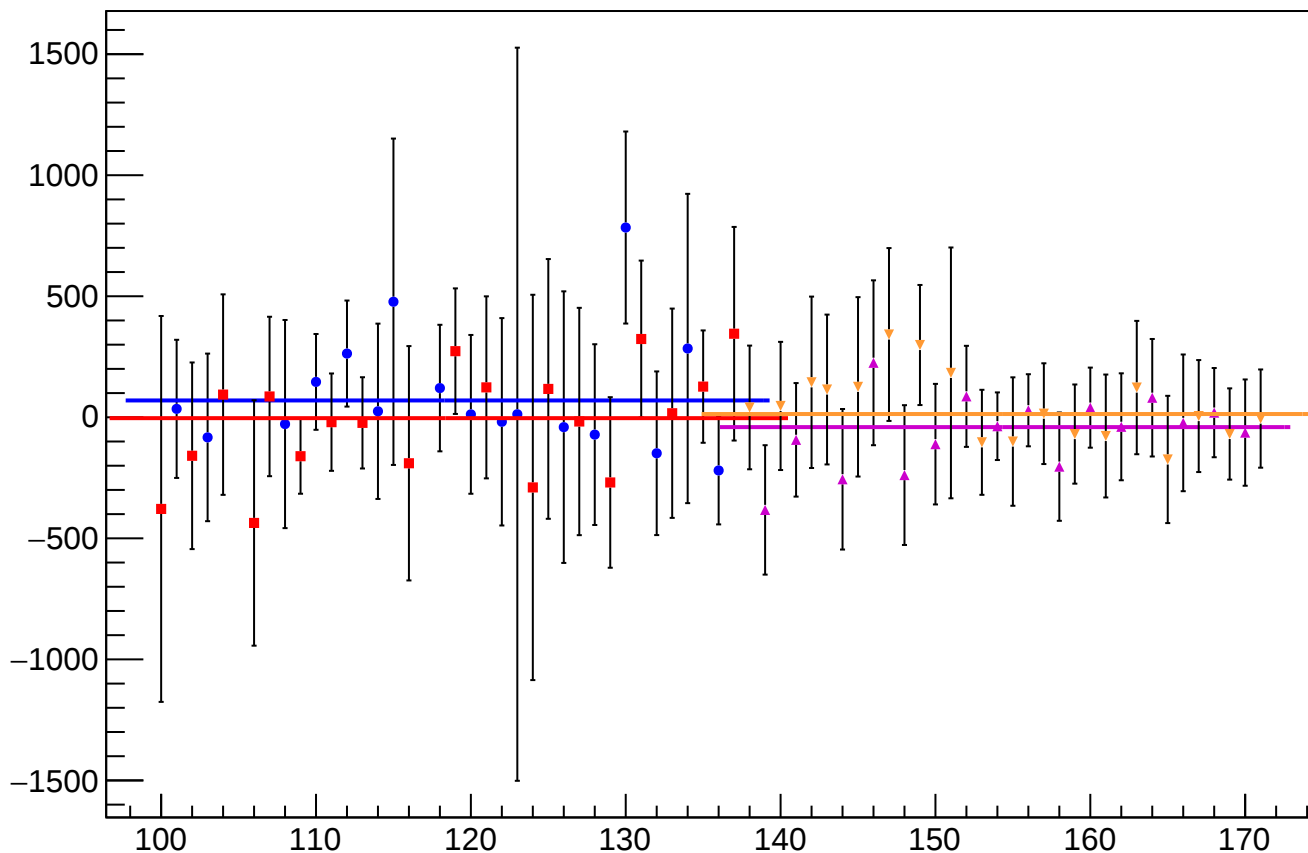
Left In: 2541.820+/-0.517 χ^2/NDF : 453431.1/15

+ sign 2556.421+/-0.406 χ^2/NDF : 557476.6/34

All: 2532.779+/-0.287 χ^2/NDF : 1177901.3/69

- 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 $\pm$ 79.023 χ^2 /NDF: 7.3/16

Left Out: 13.511 $\pm$ 59.781 χ^2 /NDF: 4.3/17

Right Out: -3.562 $\pm$ 69.980 χ^2 /NDF: 6.4/18

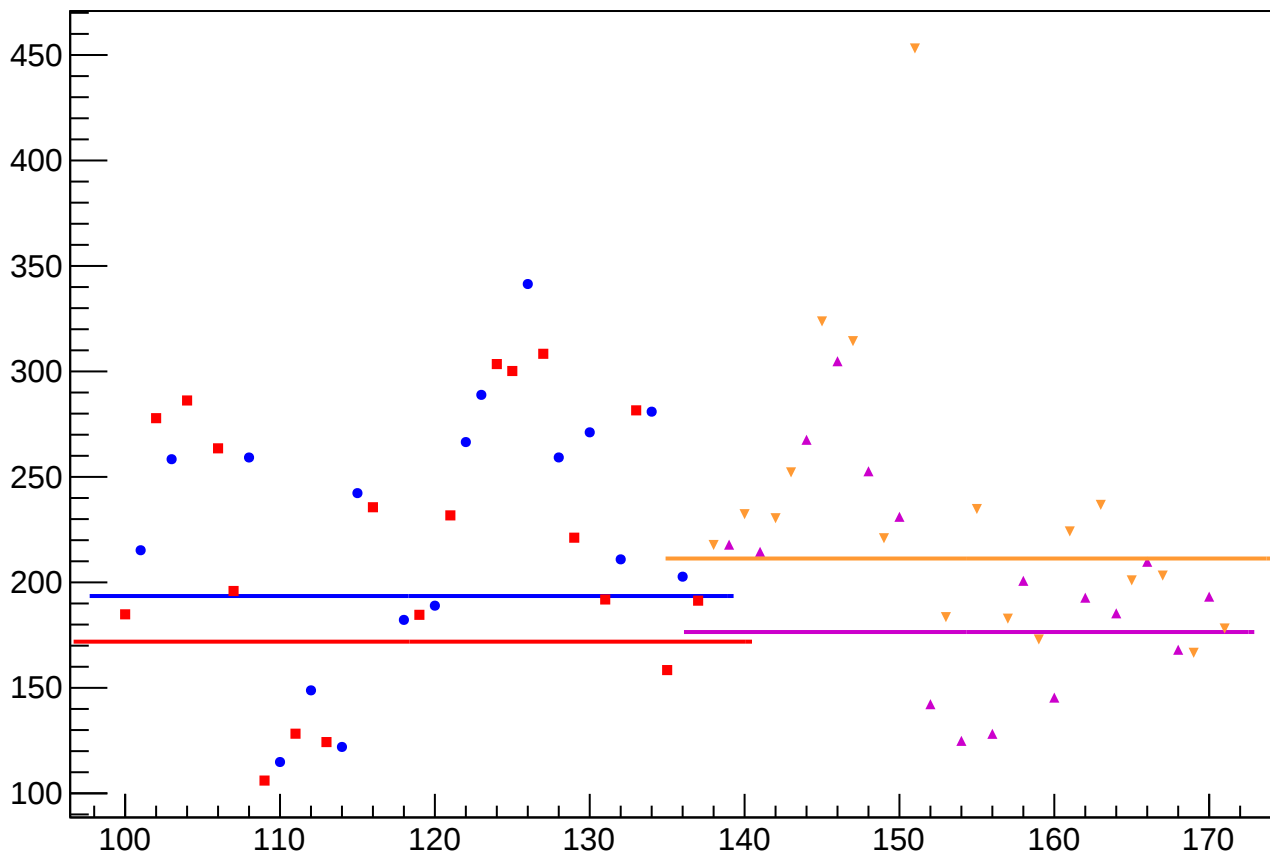
Left In: -40.541 $\pm$ 52.937 χ^2 /NDF: 5.1/15

+ sign 33.922 $\pm$ 47.676 χ^2 /NDF: 11.9/34

All: -0.270 $\pm$ 31.607 χ^2 /NDF: 24.5/69

- sign -27.082 $\pm$ 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: 211.316 $\pm$ 0.042 χ^2 /NDF: 1193632.2/17

Right Out: 171.901 $\pm$ 0.049 χ^2 /NDF: 1576883.7/18

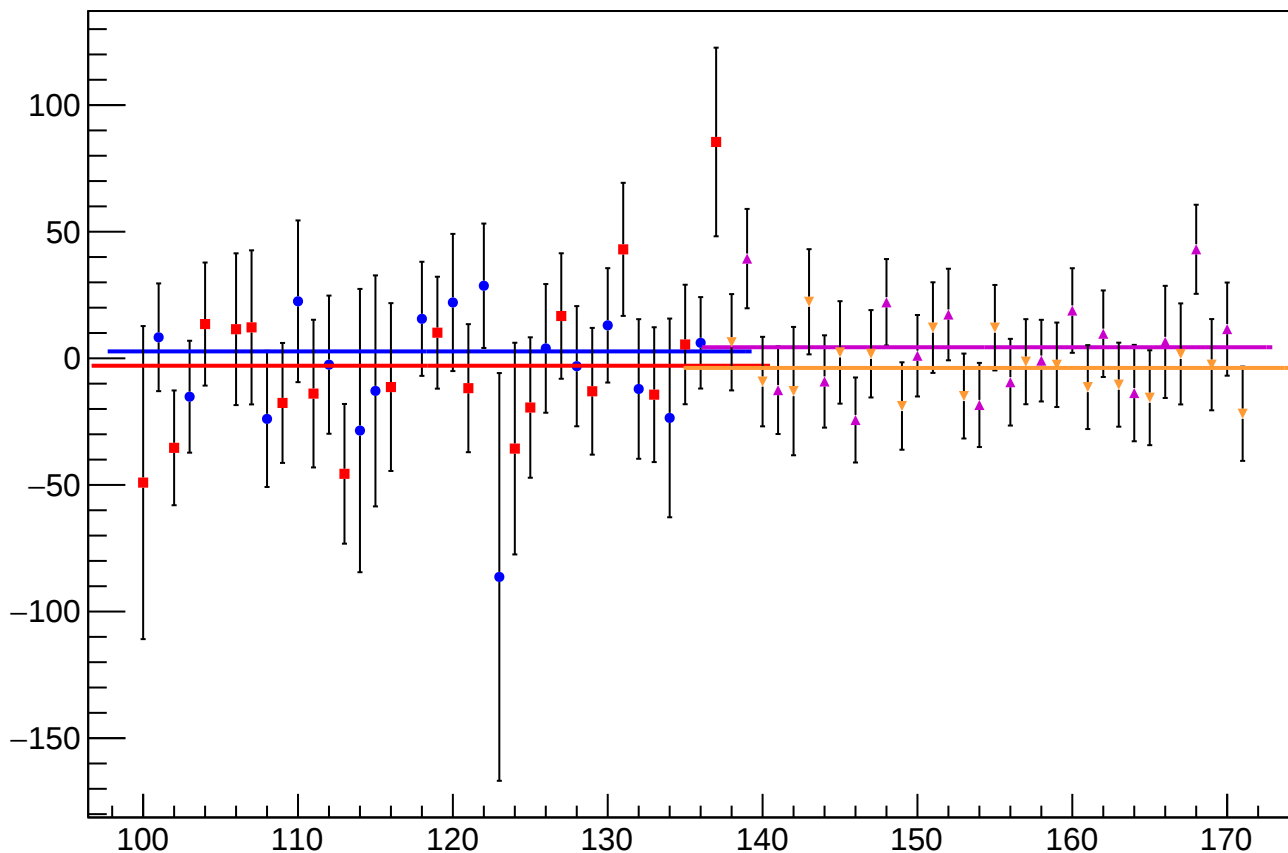
Left In: 176.469 $\pm$ 0.037 χ^2 /NDF: 1505446.4/15

+ sign 204.843 $\pm$ 0.034 χ^2 /NDF: 2268475.3/34

All: 188.008 $\pm$ 0.022 χ^2 /NDF: 5801182.4/69

- 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 ± 6.424 $\chi^2/\text{NDF}: 6.8/16$

Left Out: -3.790 ± 4.266 $\chi^2/\text{NDF}: 7.0/17$

Right Out: -2.928 ± 6.279 $\chi^2/\text{NDF}: 17.8/18$

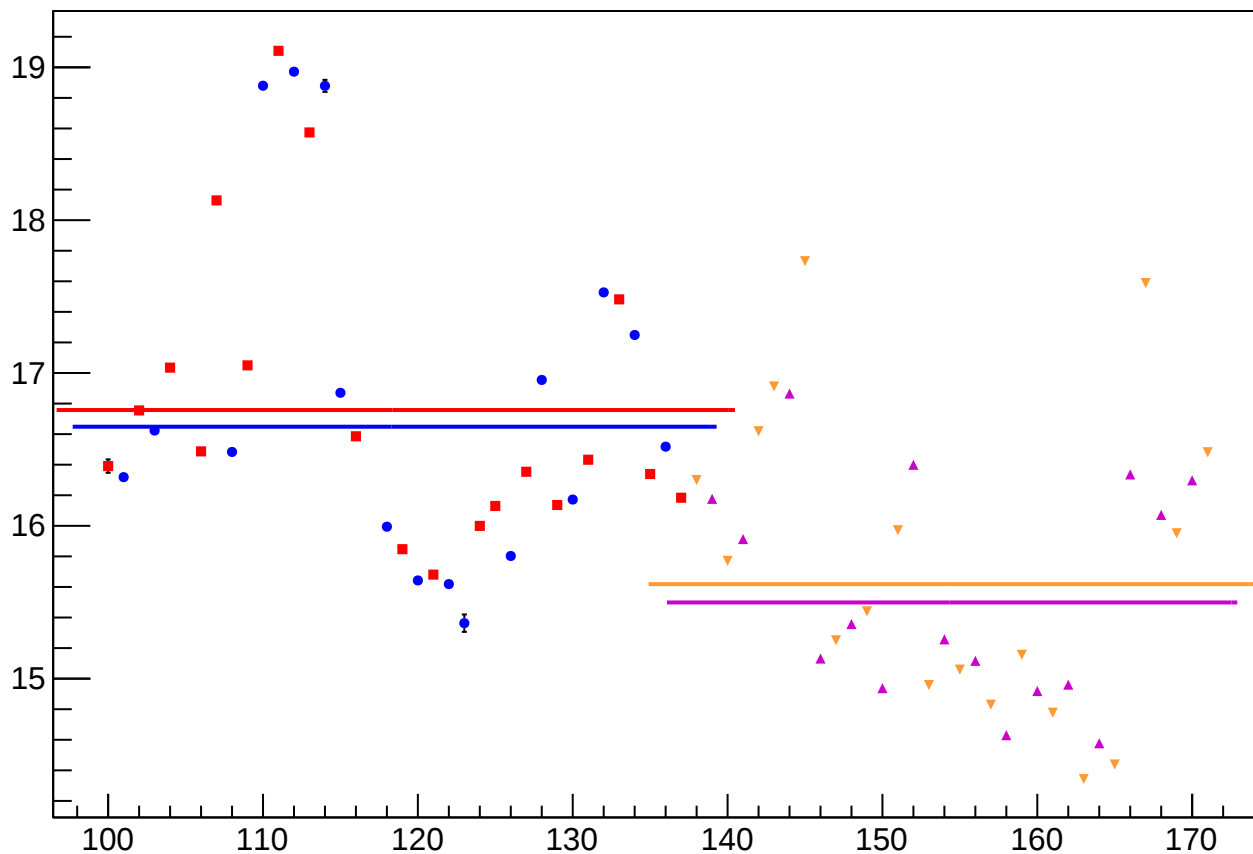
Left In: 4.377 ± 4.397 $\chi^2/\text{NDF}: 18.6/15$

+ sign -1.793 ± 3.554 $\chi^2/\text{NDF}: 14.5/34$

All: 0.065 ± 2.530 $\chi^2/\text{NDF}: 52.3/69$

- sign 1.973 ± 3.602 $\chi^2/\text{NDF}: 37.3/34$

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: 15.618 $\pm$ 0.003 χ^2 /NDF: 97950.9/17

Right Out: 16.758 $\pm$ 0.004 χ^2 /NDF: 39950.7/18

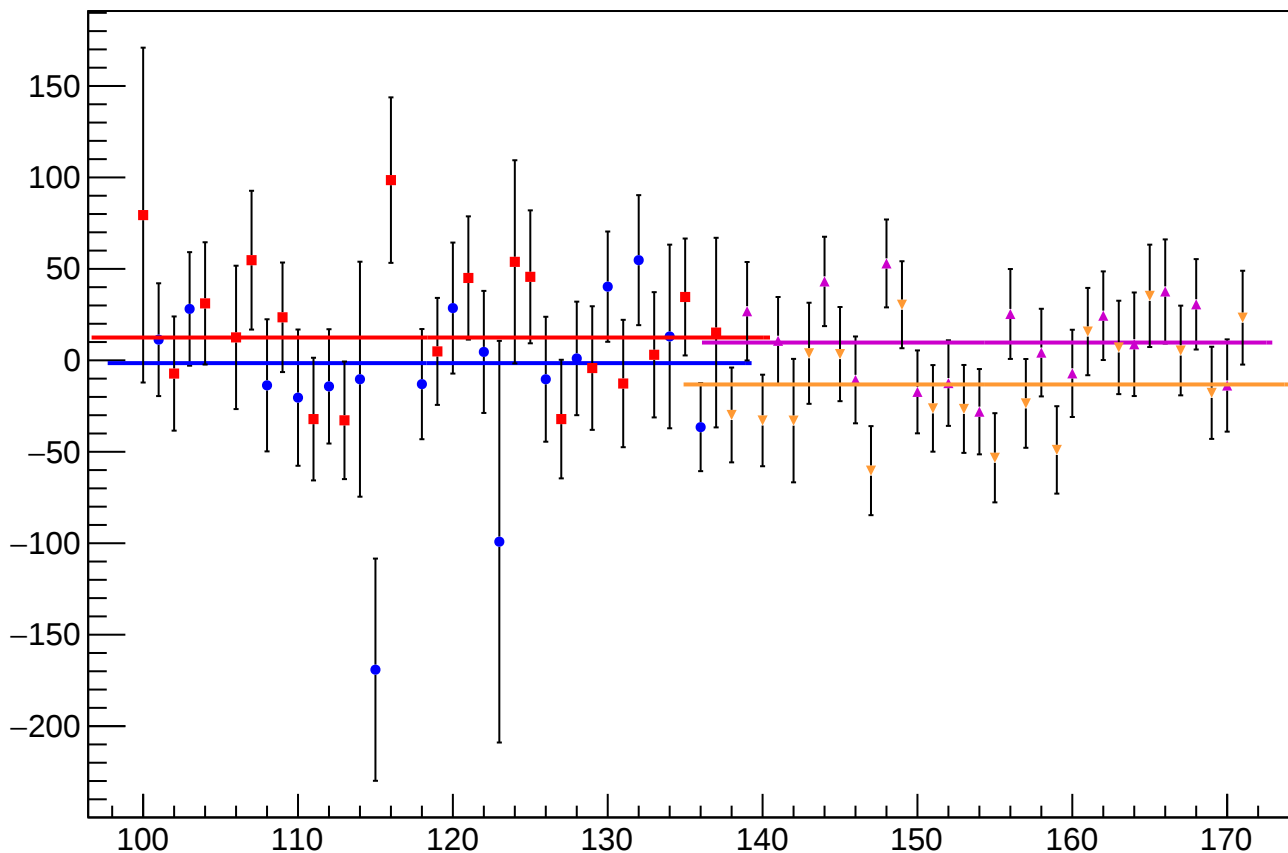
Left In: 15.499 $\pm$ 0.003 χ^2 /NDF: 48326.0/15

+ sign 15.934 $\pm$ 0.003 χ^2 /NDF: 176208.2/34

All: 15.923 $\pm$ 0.002 χ^2 /NDF: 318484.0/69

- 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: -13.186 ± 5.954 χ^2/NDF : 22.7/17

Right Out: 12.475 ± 8.210 χ^2/NDF : 15.6/18

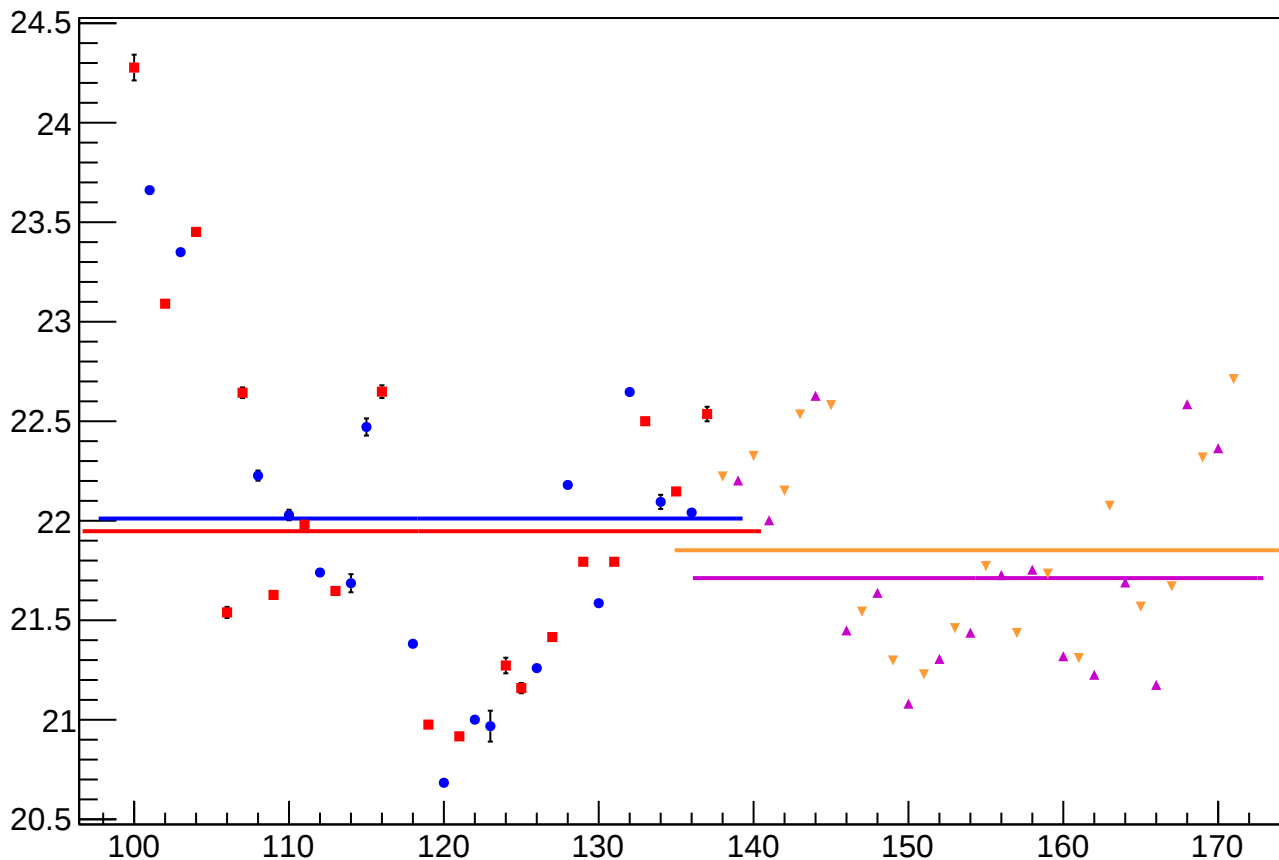
Left In: 9.722 ± 6.147 χ^2/NDF : 15.1/15

+ sign -9.338 ± 4.874 χ^2/NDF : 41.7/34

All: 0.591 ± 3.463 χ^2/NDF : 80.8/69

- 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: 21.852 $\pm$ 0.004 χ^2 /NDF: 12519.2/17

Right Out: 21.947 $\pm$ 0.006 χ^2 /NDF: 16592.7/18

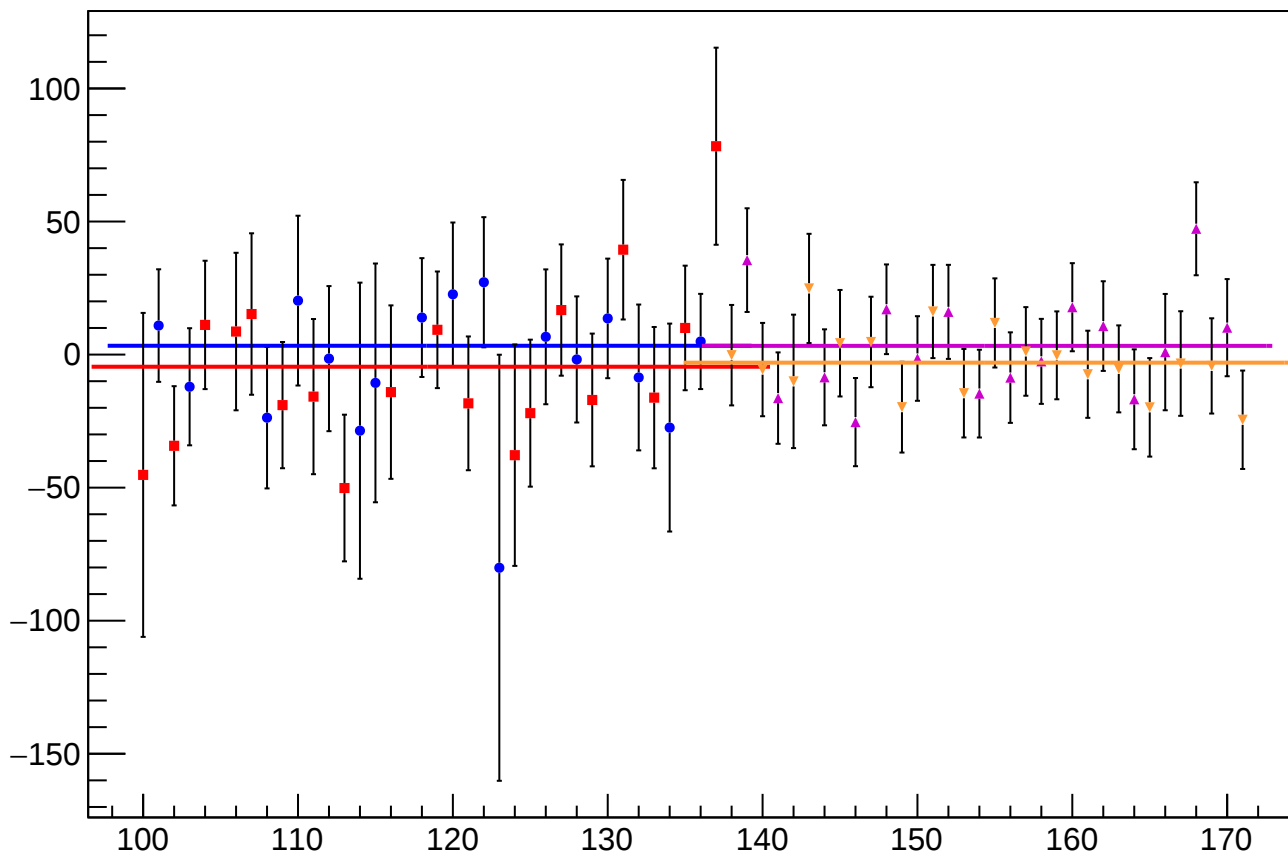
Left In: 21.712 $\pm$ 0.004 χ^2 /NDF: 12362.9/15

+ sign 21.904 $\pm$ 0.003 χ^2 /NDF: 30538.8/34

All: 21.851 $\pm$ 0.002 χ^2 /NDF: 61034.9/69

- 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: -3.029 ± 4.220 χ^2/NDF : 8.1/17

Right Out: -4.561 ± 6.244 χ^2/NDF : 17.7/18

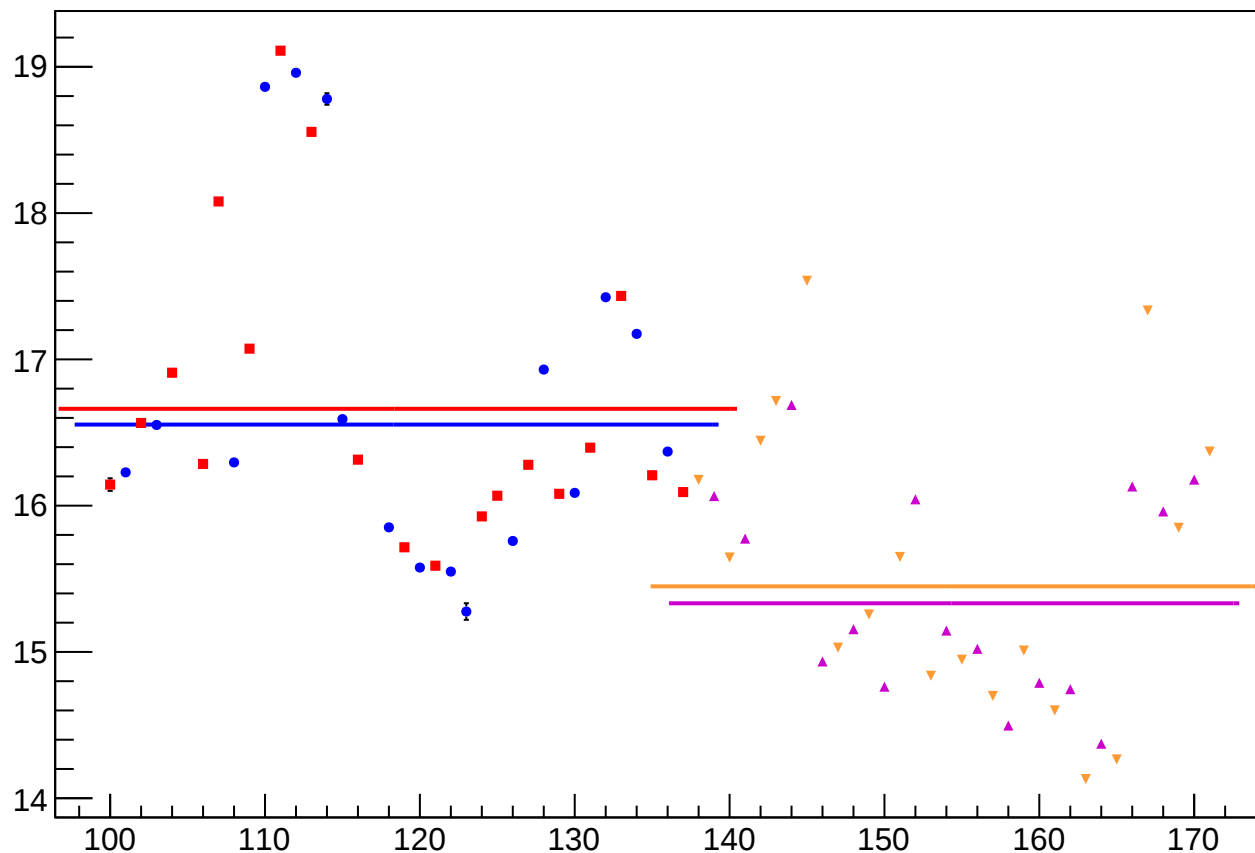
Left In: 3.280 ± 4.350 χ^2/NDF : 19.1/15

+ sign -1.101 ± 3.521 χ^2/NDF : 15.1/34

All: -0.204 ± 2.507 χ^2/NDF : 53.1/69

- 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: 15.448 $\pm$ 0.003 χ^2 /NDF: 98391.5/17

Right Out: 16.662 $\pm$ 0.004 χ^2 /NDF: 43063.6/18

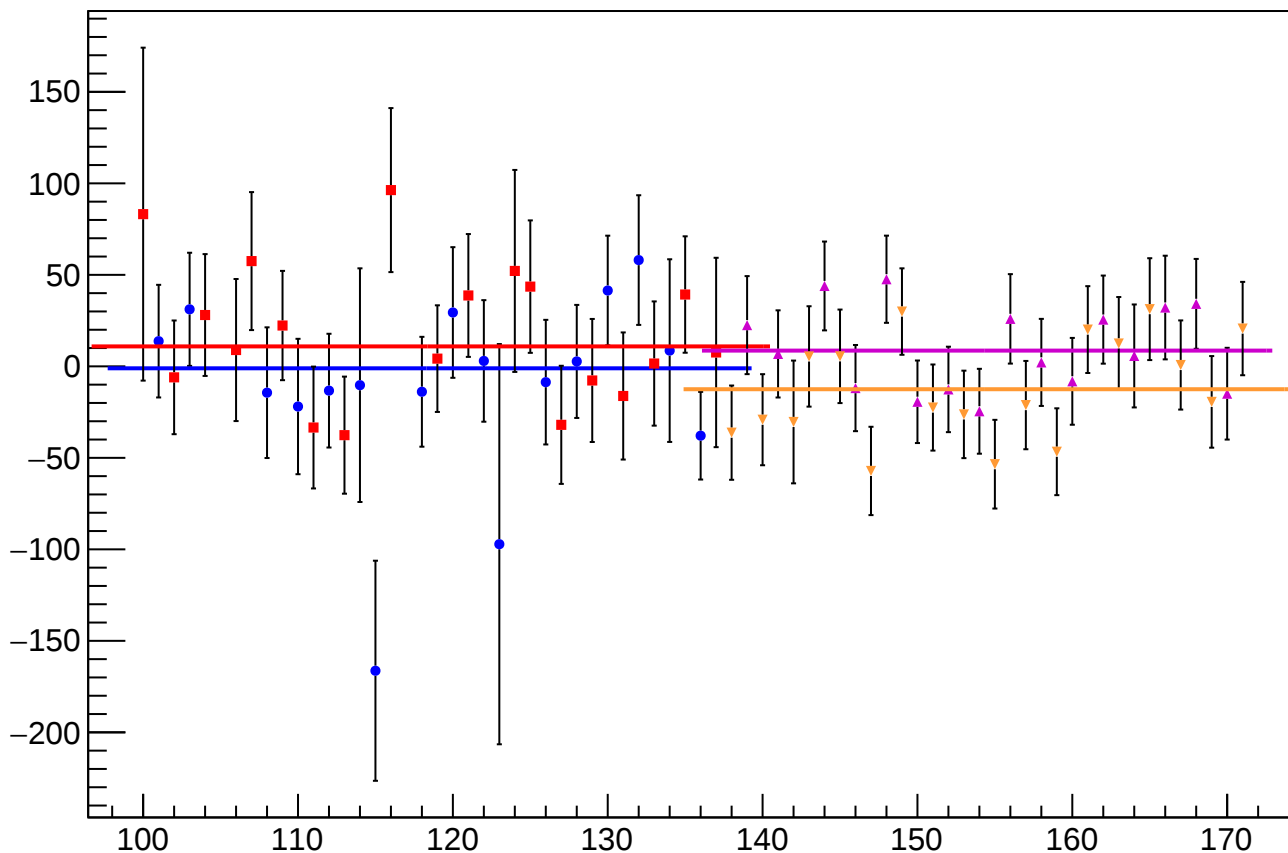
Left In: 15.333 $\pm$ 0.003 χ^2 /NDF: 48405.3/15

+ sign 15.784 $\pm$ 0.002 χ^2 /NDF: 184601.3/34

All: 15.776 $\pm$ 0.002 χ^2 /NDF: 337165.1/69

- 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: -12.500 ± 5.916 χ^2/NDF : 22.1/17

Right Out: 10.900 ± 8.169 χ^2/NDF : 16.2/18

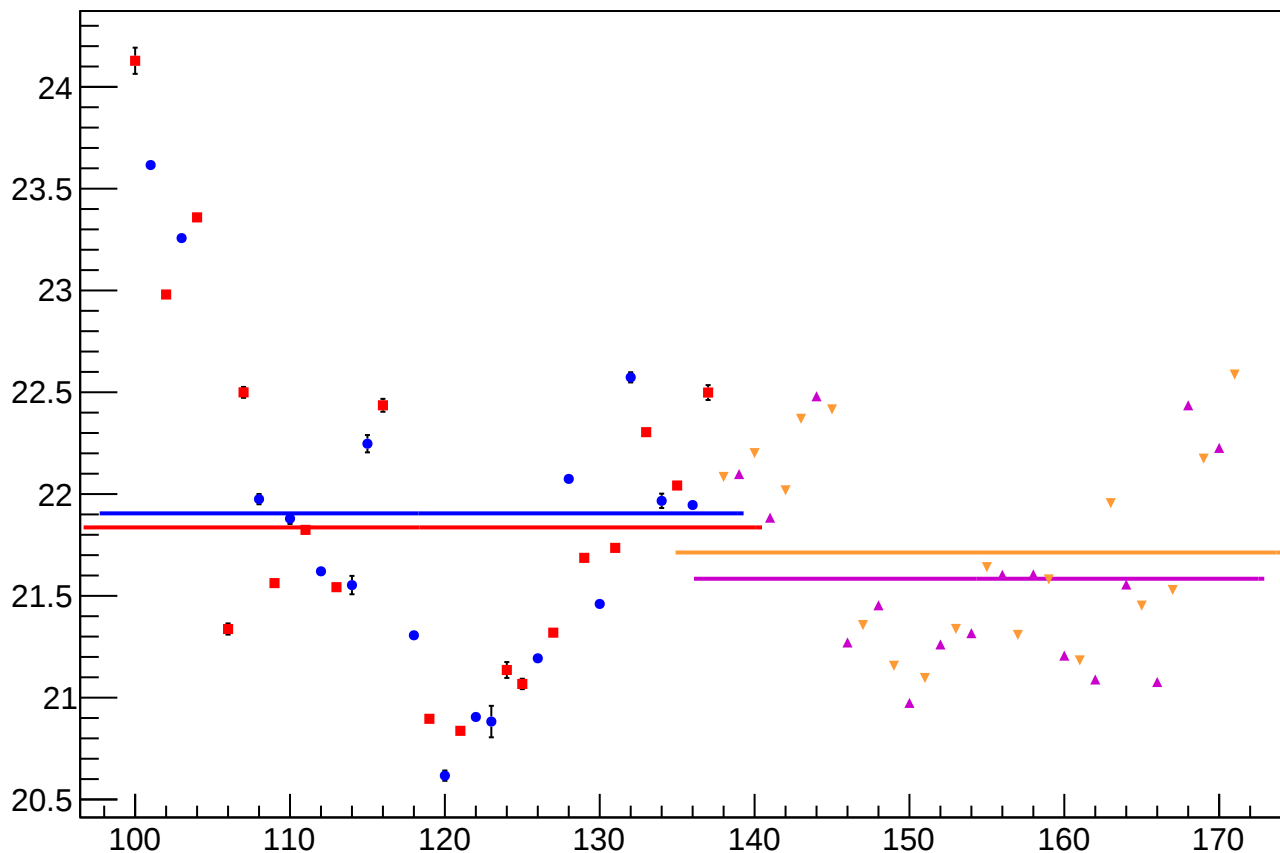
Left In: 8.606 ± 6.110 χ^2/NDF : 14.5/15

+ sign -8.736 ± 4.845 χ^2/NDF : 41.8/34

All: 0.258 ± 3.443 χ^2/NDF : 79.5/69

- 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 $\pm$ 0.006 χ^2 /NDF: 17794.2/16

Left Out: 21.713 $\pm$ 0.004 χ^2 /NDF: 12561.4/17

Right Out: 21.836 $\pm$ 0.006 χ^2 /NDF: 16251.2/18

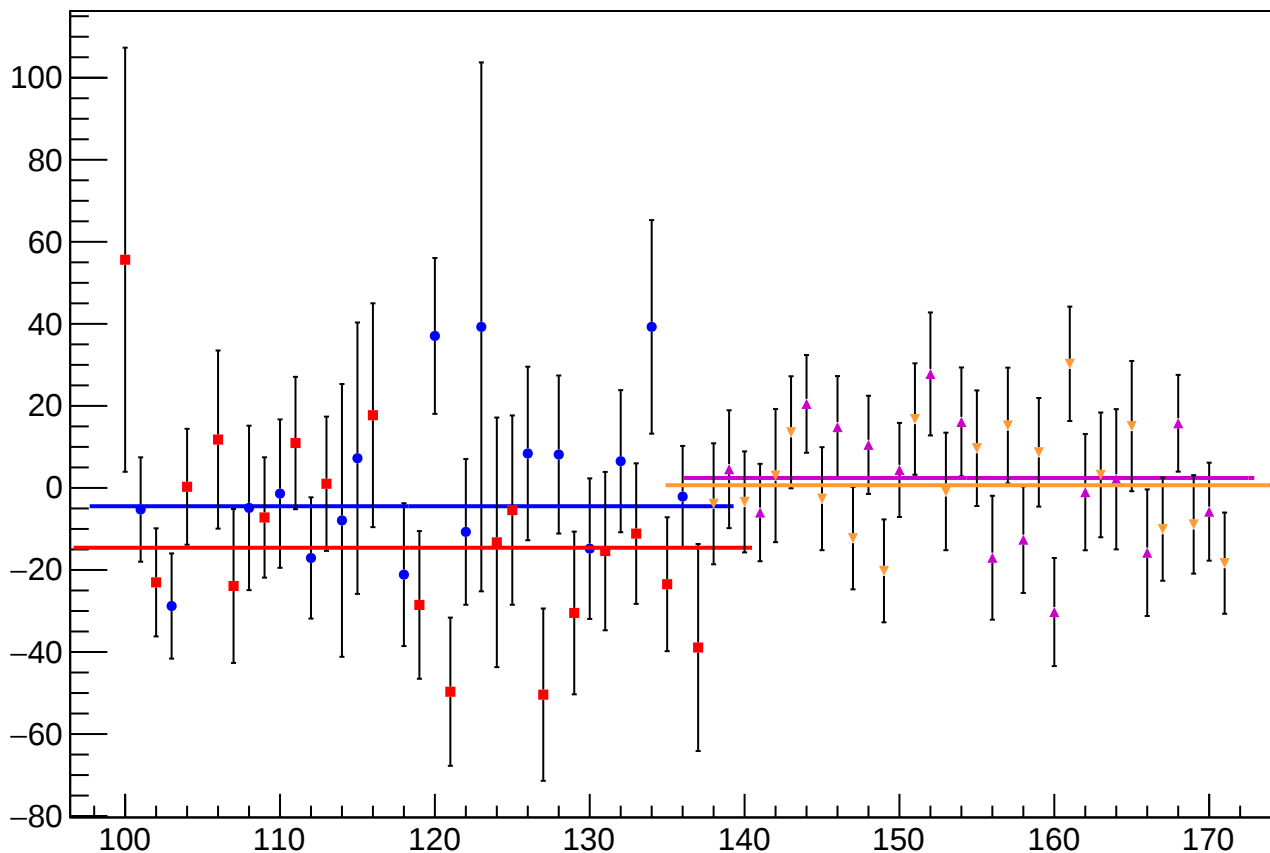
Left In: 21.584 $\pm$ 0.004 χ^2 /NDF: 12024.3/15

+ sign 21.776 $\pm$ 0.003 χ^2 /NDF: 31050.7/34

All: 21.726 $\pm$ 0.002 χ^2 /NDF: 60984.5/69

- sign 21.675 $\pm$ 0.003 χ^2 /NDF: 29497.3/34

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.461 ± 4.329 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 0.661 ± 3.181 $\chi^2/\text{NDF}: 17.4/17$

Right Out: -14.579 ± 4.264 $\chi^2/\text{NDF}: 19.5/18$

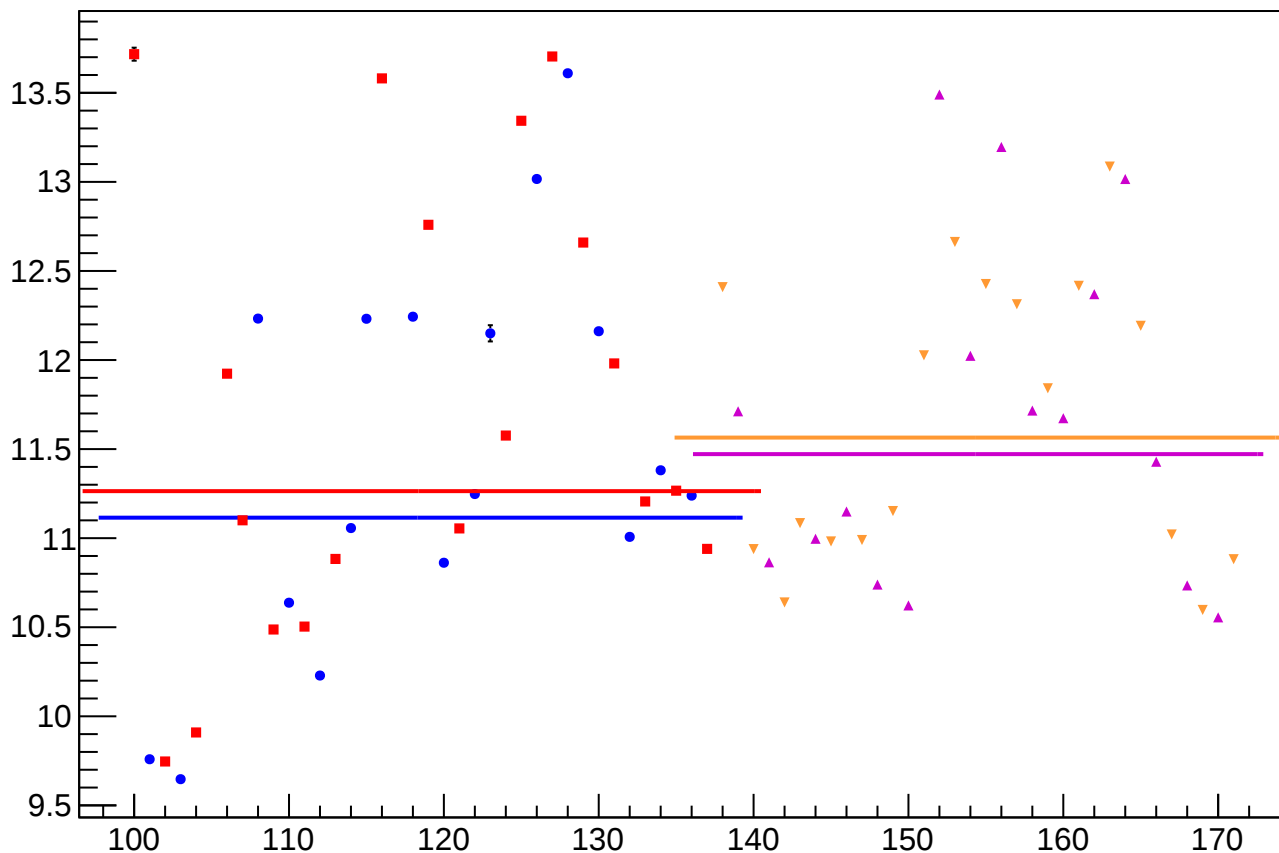
Left In: 2.433 ± 3.279 $\chi^2/\text{NDF}: 20.6/15$

+ sign -1.135 ± 2.563 $\chi^2/\text{NDF}: 33.5/34$

All: -2.493 ± 1.825 $\chi^2/\text{NDF}: 84.1/69$

- sign -3.888 ± 2.599 $\chi^2/\text{NDF}: 50.1/34$

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: 11.565 $\pm$ 0.002 χ^2 /NDF: 112939.7/17

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

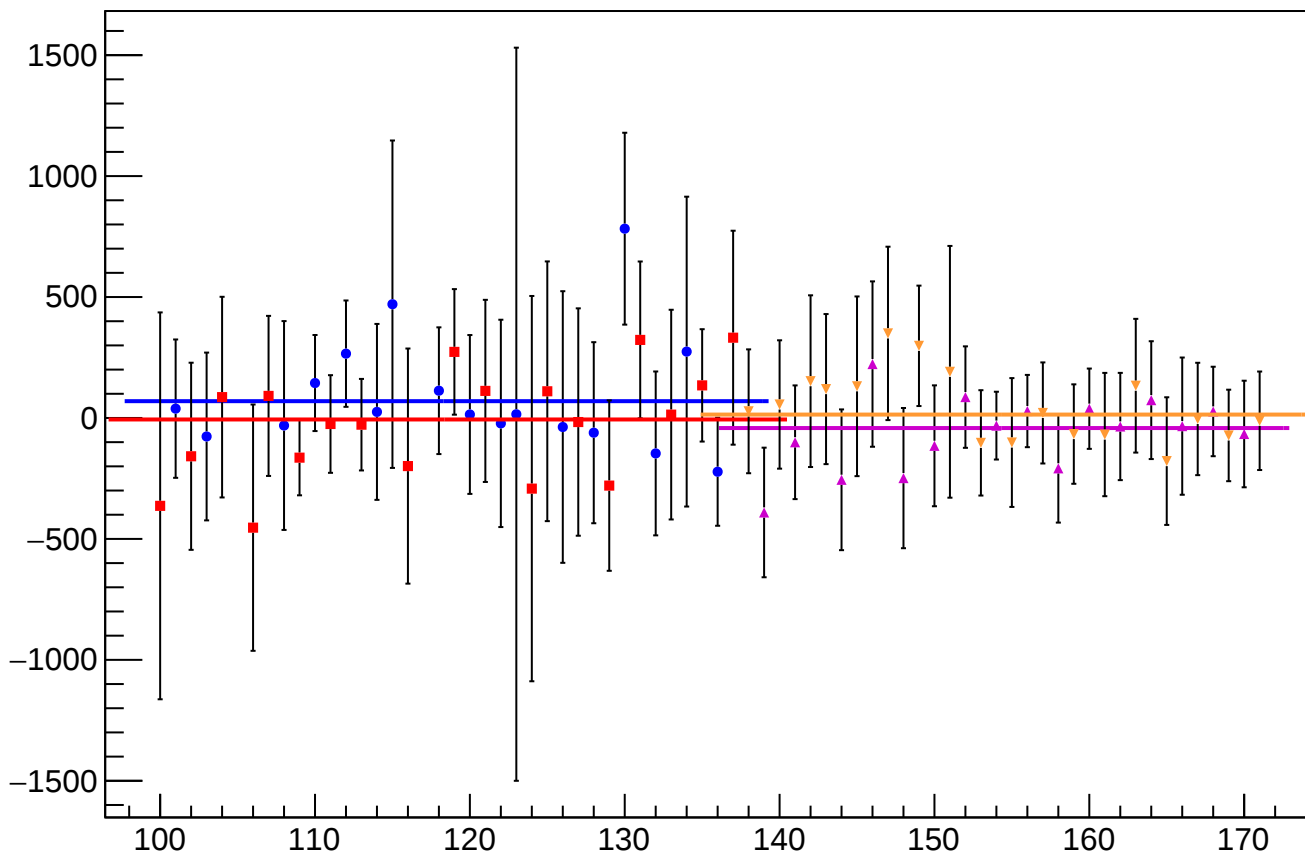
Left In: 11.472 $\pm$ 0.002 χ^2 /NDF: 139697.8/15

+ sign 11.407 $\pm$ 0.002 χ^2 /NDF: 260006.4/34

All: 11.401 $\pm$ 0.001 χ^2 /NDF: 550196.7/69

- 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: 14.062 ± 59.990 χ^2/NDF : 4.4/17

Right Out: -6.194 ± 70.182 χ^2/NDF : 6.5/18

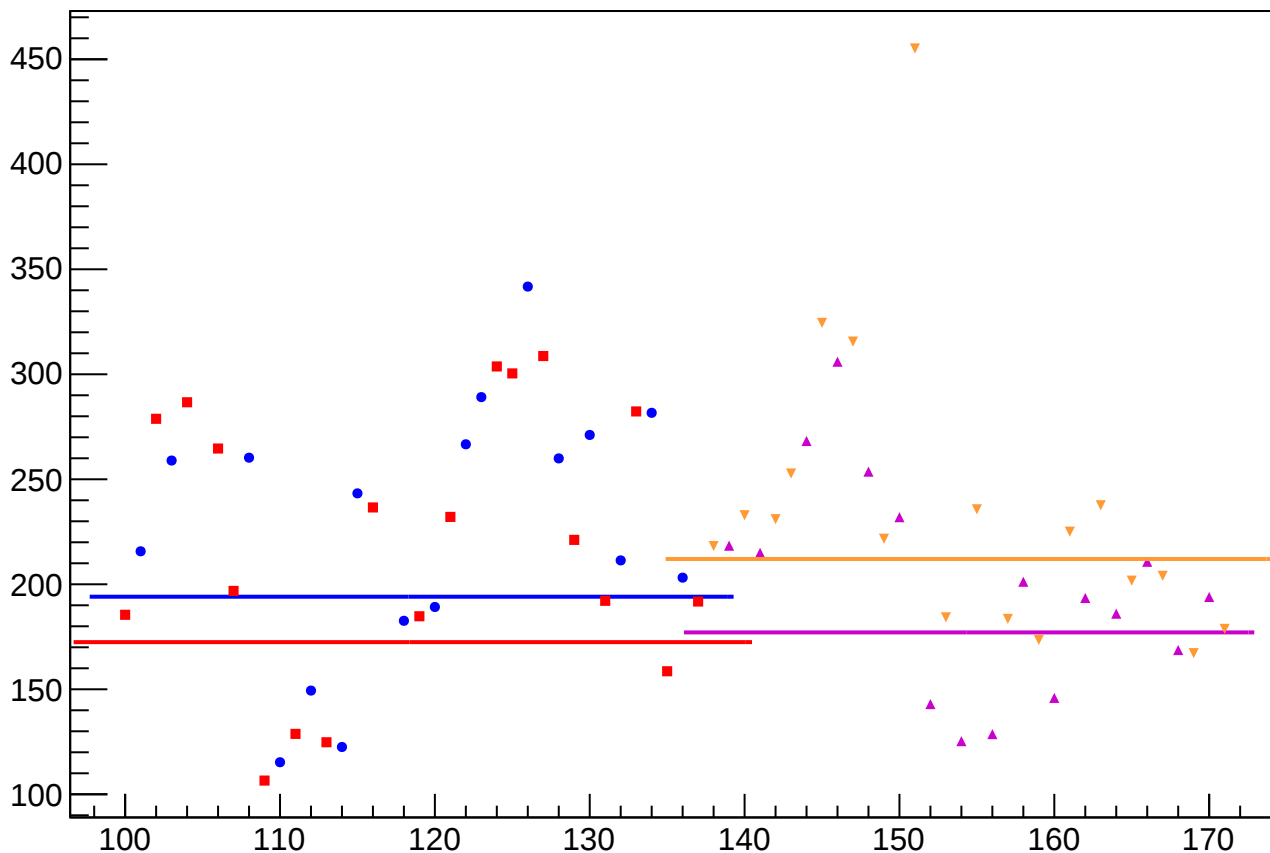
Left In: -41.650 ± 53.119 χ^2/NDF : 5.3/15

+ sign 34.252 ± 47.827 χ^2/NDF : 11.9/34

All: -1.050 ± 31.709 χ^2/NDF : 24.8/69

- 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: 212.057 $\pm$ 0.042 χ^2 /NDF: 1192699.7/17

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

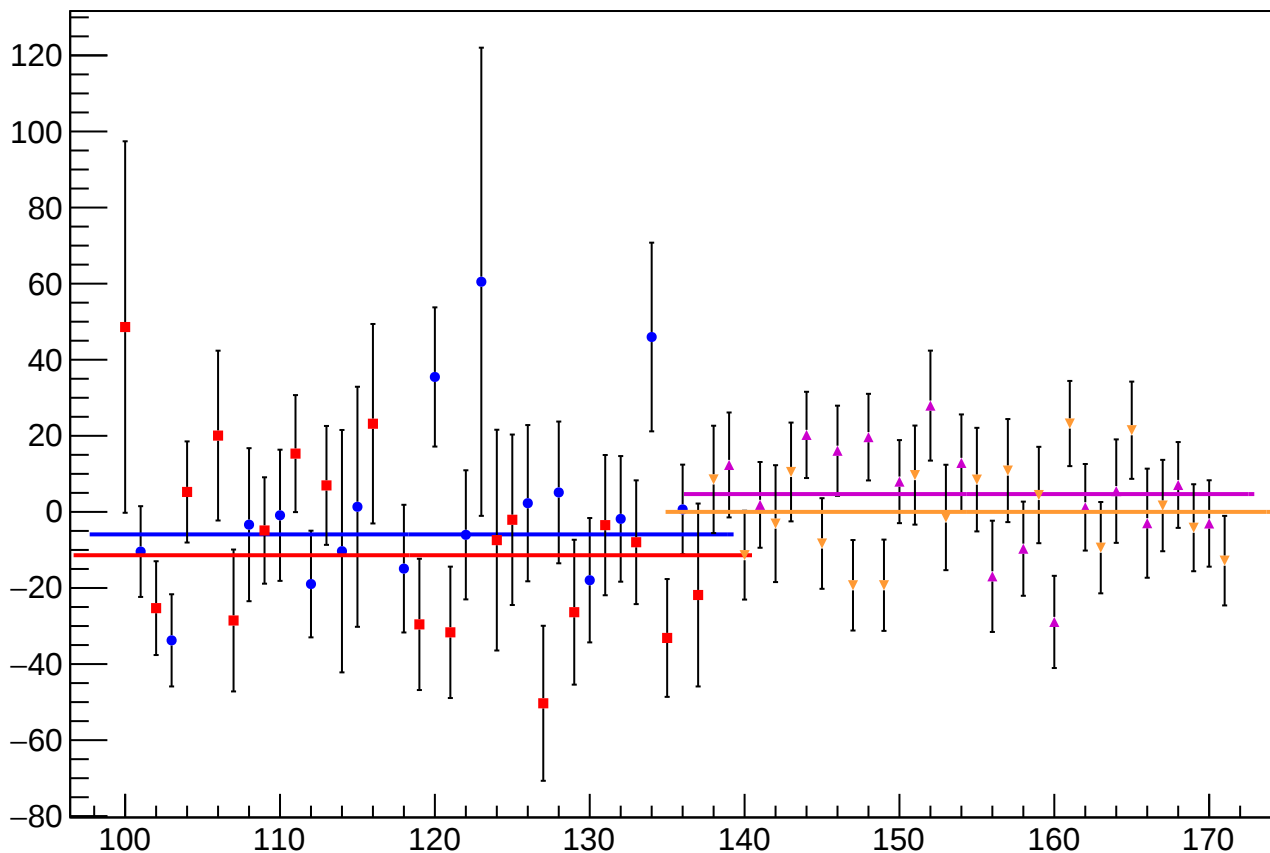
Left In: 177.083 $\pm$ 0.038 χ^2 /NDF: 1503574.3/15

+ sign 205.507 $\pm$ 0.034 χ^2 /NDF: 2263527.3/34

All: 188.631 $\pm$ 0.022 χ^2 /NDF: 5786380.5/69

- 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: 0.004 ± 2.954 χ^2/NDF : 18.5/17

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

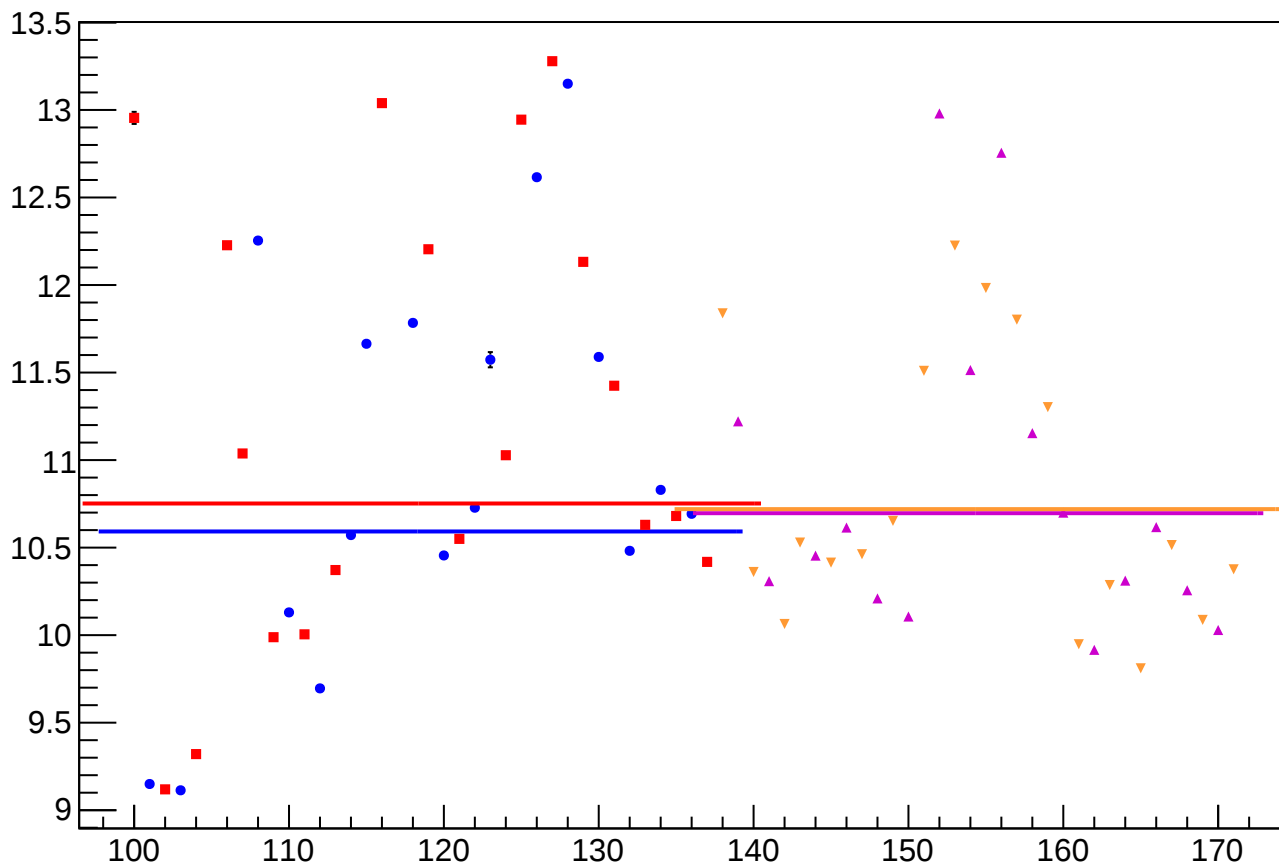
Left In: 4.686 ± 3.061 χ^2/NDF : 20.1/15

+ sign -1.996 ± 2.403 χ^2/NDF : 38.7/34

All: -1.560 ± 1.715 χ^2/NDF : 91.7/69

- 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 $\pm$ 0.003 χ^2 /NDF: 160397.9/16

Left Out: 10.720 $\pm$ 0.002 χ^2 /NDF: 116691.9/17

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 176895.3/18

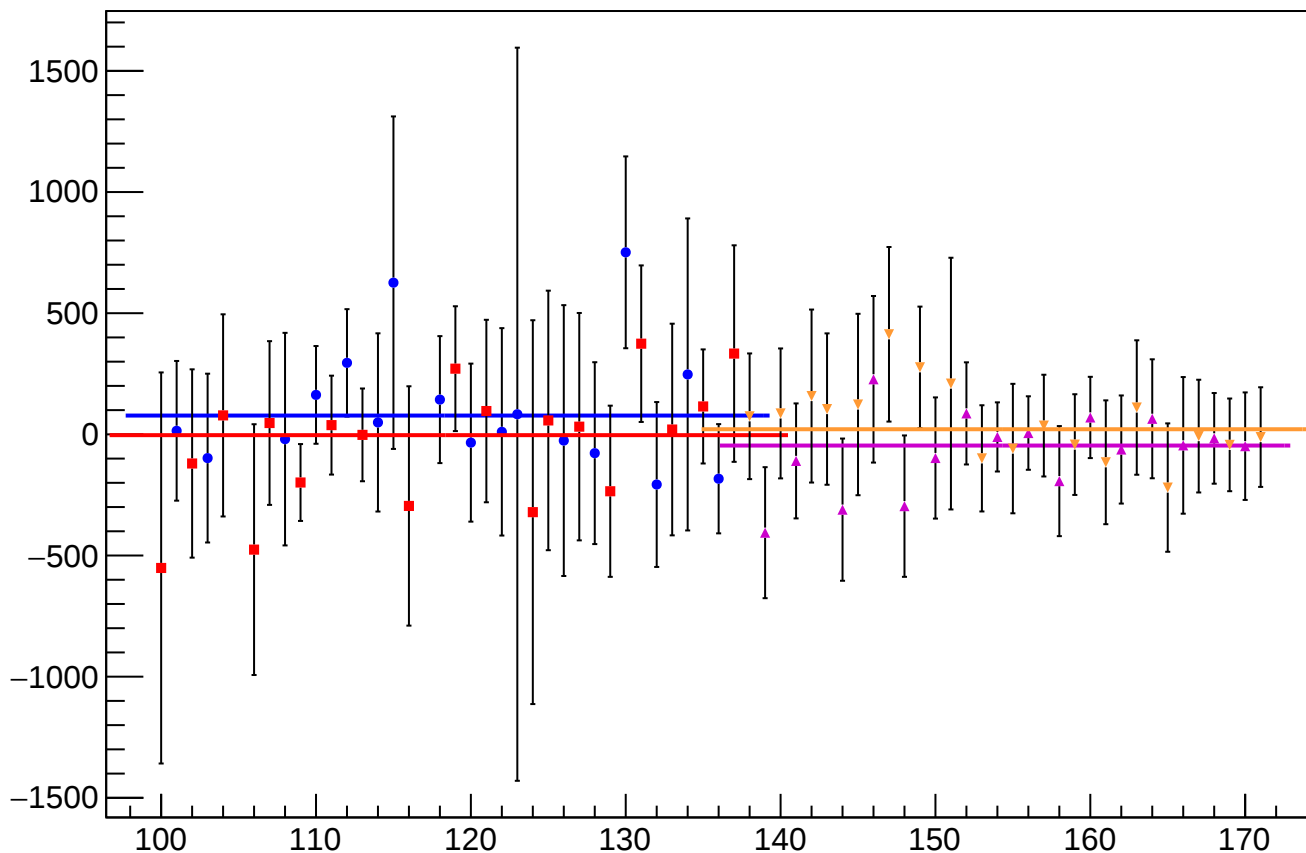
Left In: 10.697 $\pm$ 0.002 χ^2 /NDF: 137338.1/15

+ sign 10.677 $\pm$ 0.002 χ^2 /NDF: 278351.4/34

All: 10.696 $\pm$ 0.001 χ^2 /NDF: 593091.1/69

- sign 10.717 $\pm$ 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: 21.107+/-60.403 χ^2/NDF : 4.6/17

Right Out: -3.305+/-70.855 χ^2/NDF : 7.4/18

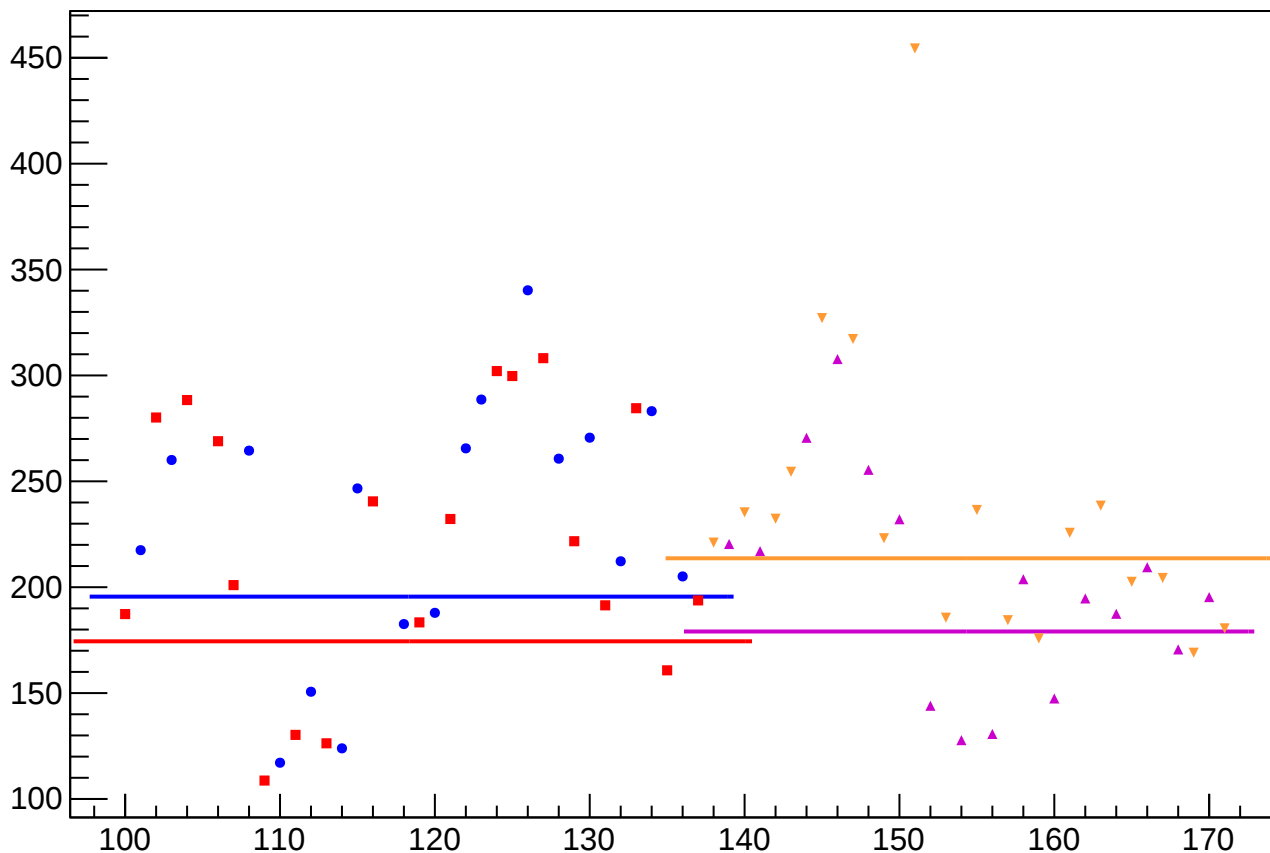
Left In: -46.189+/-53.647 χ^2/NDF : 5.8/15

+ sign 41.697+/-48.151 χ^2/NDF : 12.5/34

All: 1.306+/-31.977 χ^2/NDF : 27.1/69

- 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: 213.656 $\pm$ 0.043 χ^2 /NDF: 1175978.5/17

Right Out: 174.449 $\pm$ 0.050 χ^2 /NDF: 1528629.1/18

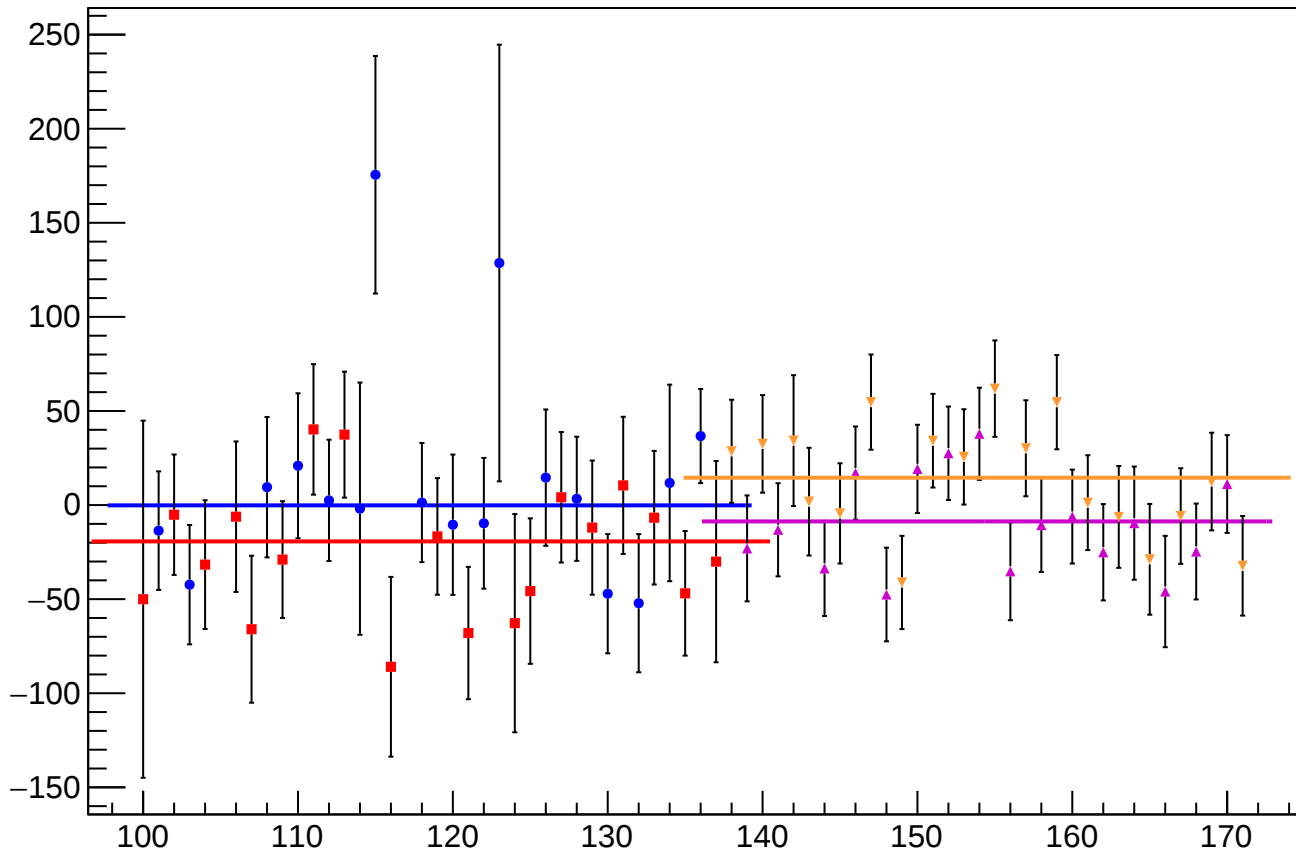
Left In: 179.084 $\pm$ 0.038 χ^2 /NDF: 1461484.7/15

+ sign 207.056 $\pm$ 0.034 χ^2 /NDF: 2221415.4/34

All: 190.476 $\pm$ 0.023 χ^2 /NDF: 5641166.5/69

- 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: 14.533 ± 6.219 χ^2/NDF : 23.3/17

Right Out: -19.316 ± 8.554 χ^2/NDF : 14.8/18

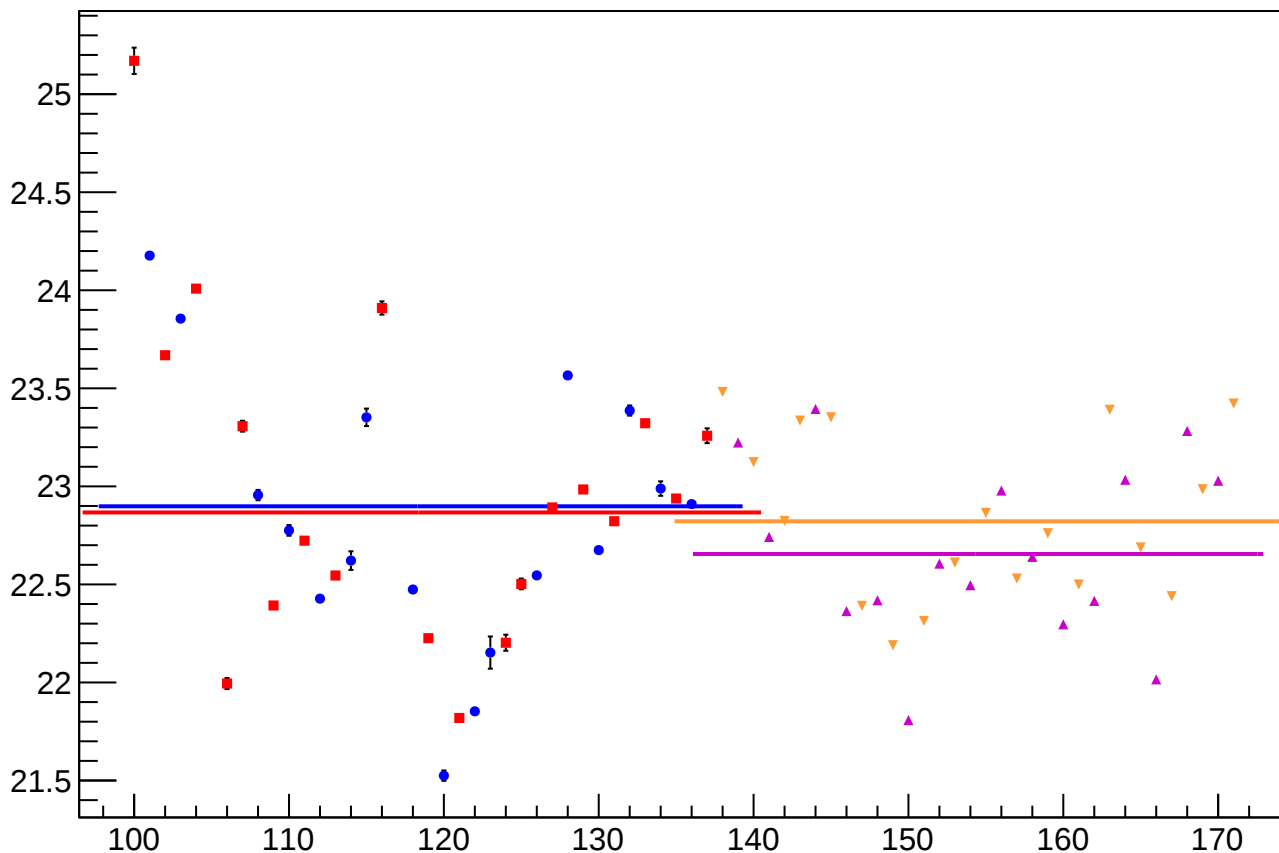
Left In: -8.690 ± 6.414 χ^2/NDF : 16.0/15

+ sign 9.659 ± 5.084 χ^2/NDF : 43.2/34

All: -1.324 ± 3.611 χ^2/NDF : 84.4/69

- 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 $\pm$ 0.006 χ^2 /NDF: 12143.3/16

Left Out: 22.822 $\pm$ 0.004 χ^2 /NDF: 8814.4/17

Right Out: 22.867 $\pm$ 0.006 χ^2 /NDF: 11048.4/18

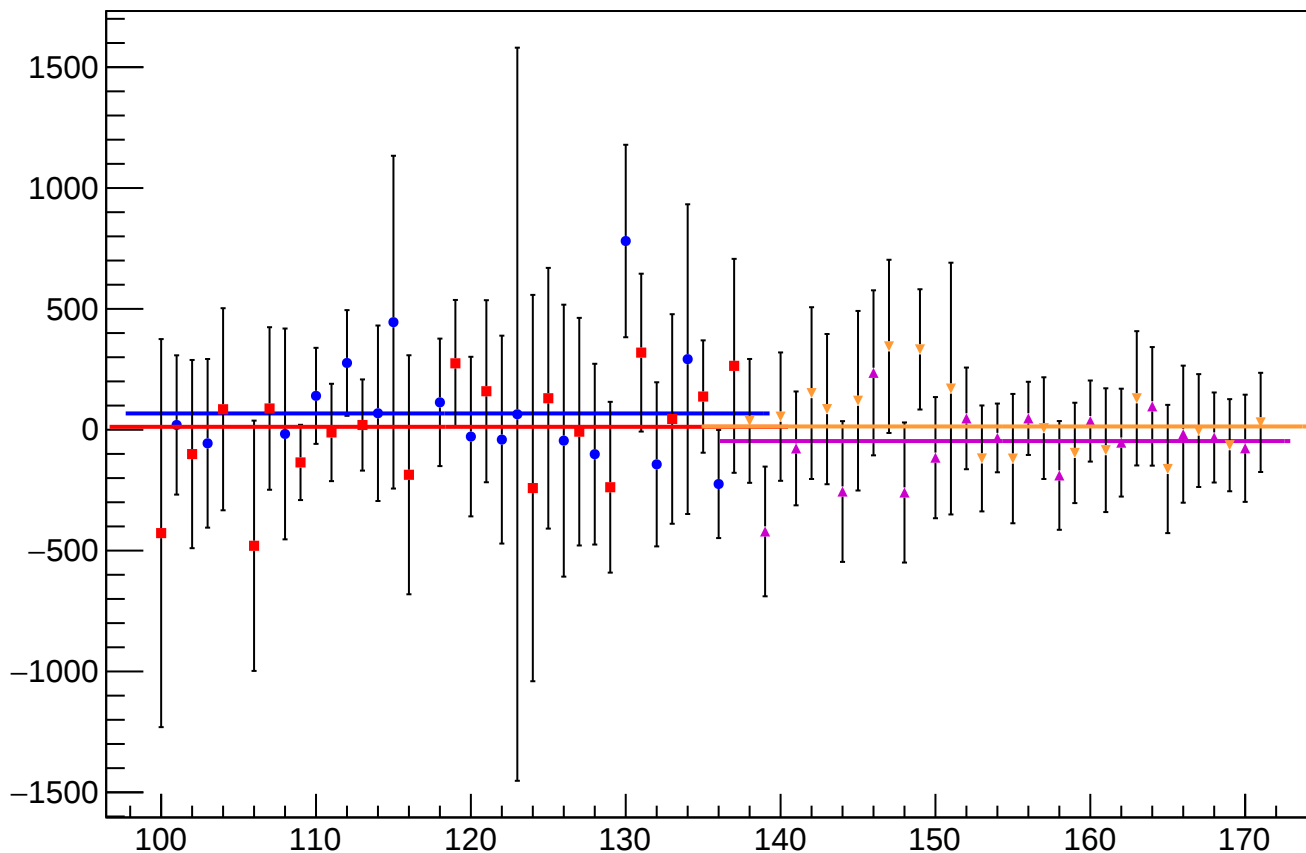
Left In: 22.655 $\pm$ 0.005 χ^2 /NDF: 9488.5/15

+ sign 22.847 $\pm$ 0.004 χ^2 /NDF: 21058.2/34

All: 22.790 $\pm$ 0.003 χ^2 /NDF: 42894.1/69

- sign 22.731 $\pm$ 0.004 χ^2 /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: 13.601 $\pm$ 60.277 χ^2 /NDF: 4.7/17

Right Out: 12.117 $\pm$ 70.355 χ^2 /NDF: 5.8/18

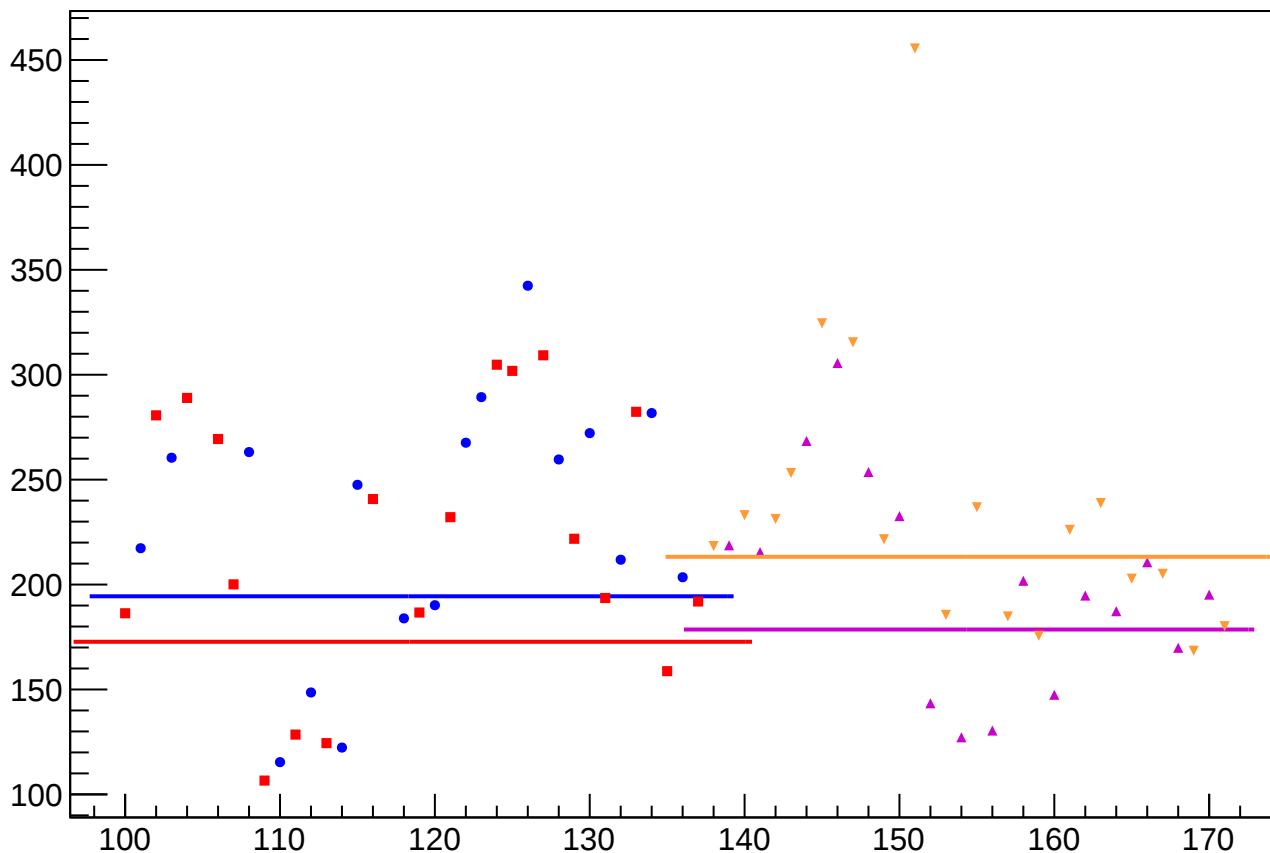
Left In: -46.790 $\pm$ 53.496 χ^2 /NDF: 5.4/15

+ sign 33.287 $\pm$ 48.011 χ^2 /NDF: 12.4/34

All: 0.547 $\pm$ 31.858 χ^2 /NDF: 24.8/69

- 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: 213.219 $\pm$ 0.043 χ^2 /NDF: 1167217.9/17

Right Out: 172.730 $\pm$ 0.050 χ^2 /NDF: 1596758.0/18

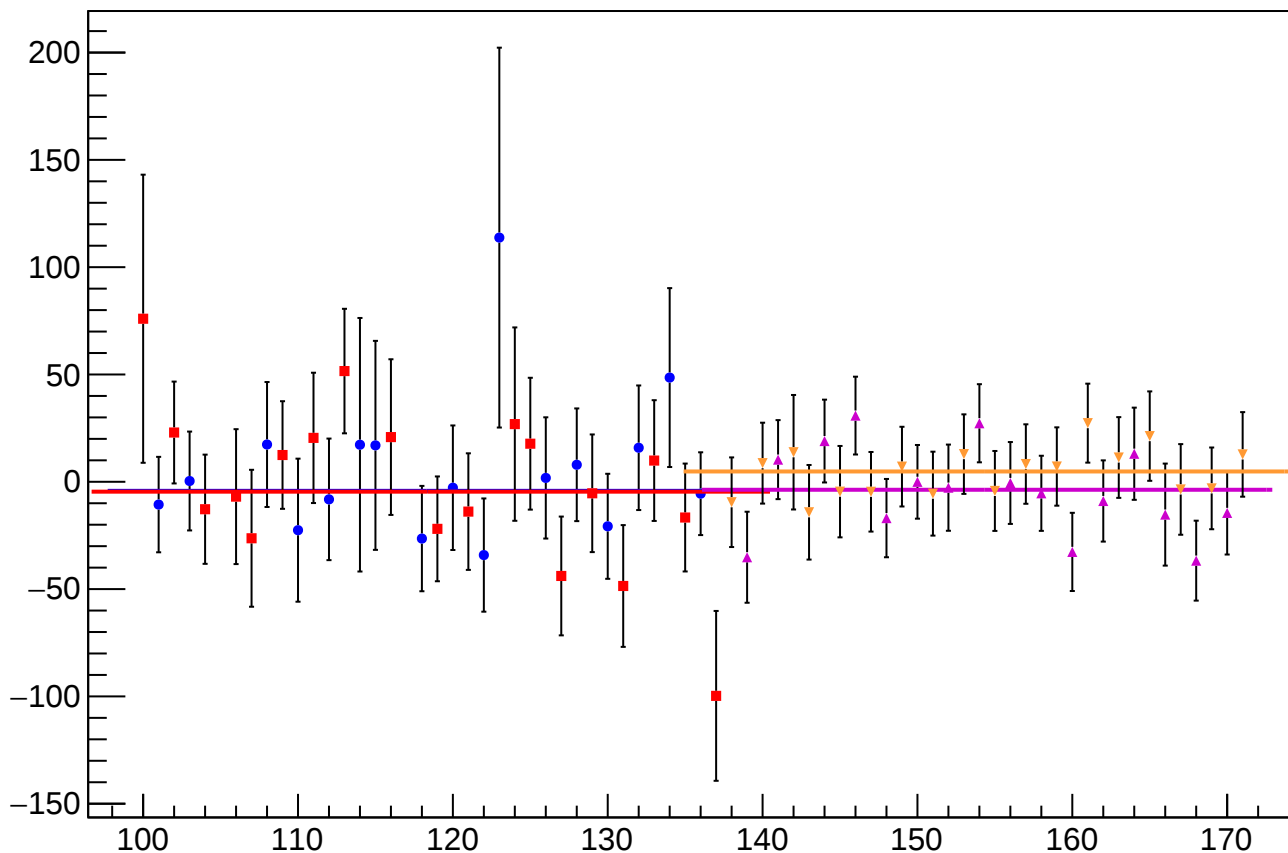
Left In: 178.574 $\pm$ 0.038 χ^2 /NDF: 1451689.3/15

+ sign 206.343 $\pm$ 0.034 χ^2 /NDF: 2258318.6/34

All: 189.603 $\pm$ 0.023 χ^2 /NDF: 5749937.7/69

- 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: 4.809+/-4.633 χ^2/NDF : 5.3/17

Right Out: -4.599+/-6.725 χ^2/NDF : 21.1/18

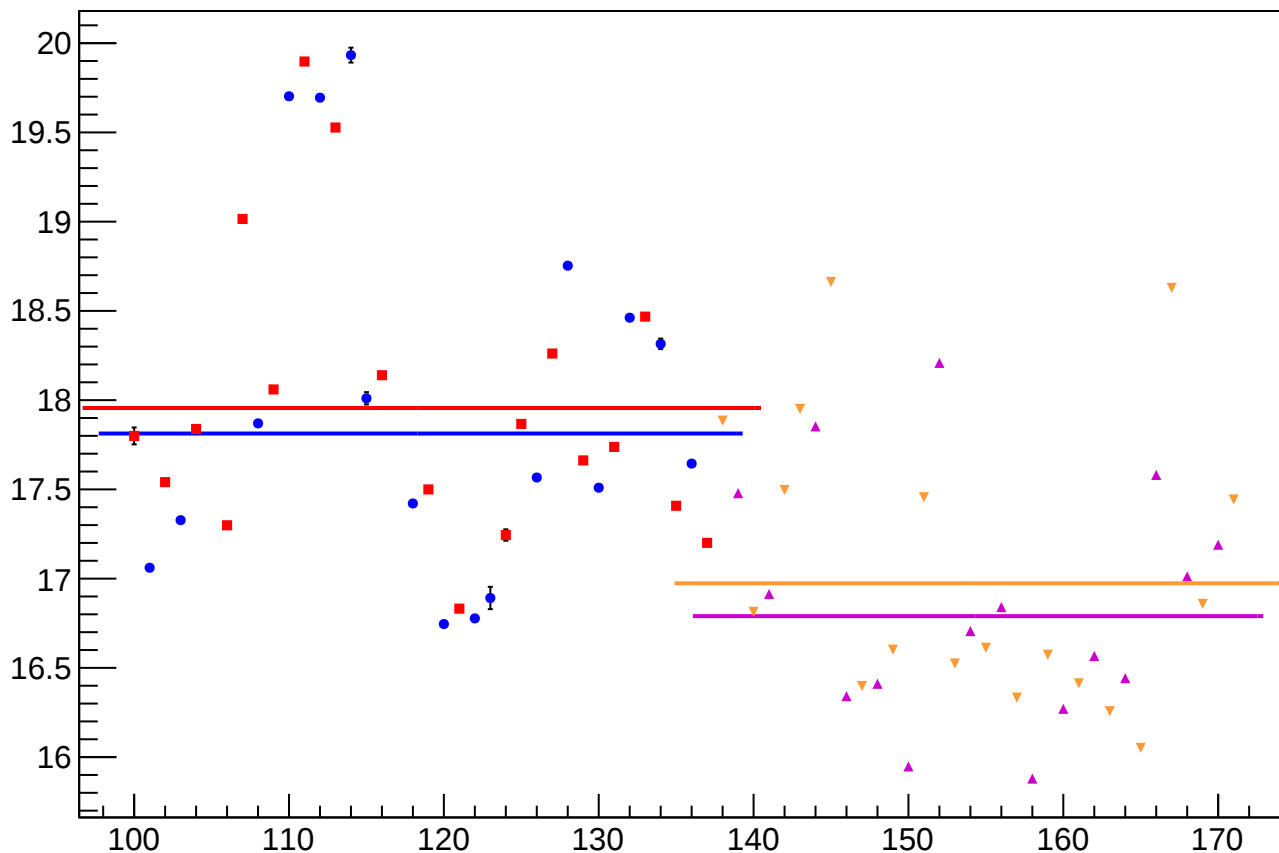
Left In: -3.719+/-4.762 χ^2/NDF : 18.2/15

+ sign 1.986+/-3.842 χ^2/NDF : 14.5/34

All: -0.978+/-2.732 χ^2/NDF : 55.0/69

- 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: 16.974 $\pm$ 0.003 χ^2 /NDF: 52627.5/17

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25445.3/18

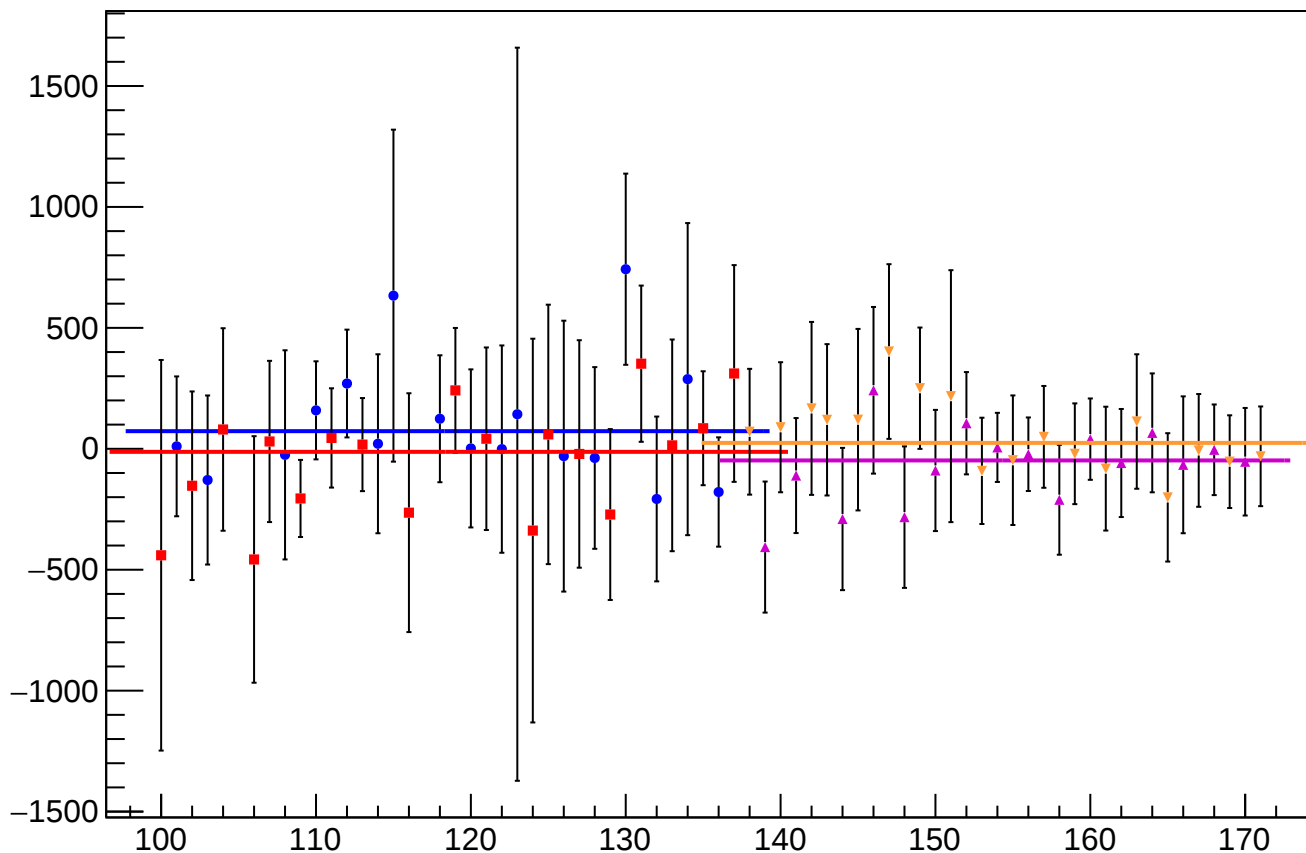
Left In: 16.790 $\pm$ 0.003 χ^2 /NDF: 36403.3/15

+ sign 17.236 $\pm$ 0.003 χ^2 /NDF: 105171.8/34

All: 17.208 $\pm$ 0.002 χ^2 /NDF: 207291.3/69

- 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+/-79.948 χ^2/NDF : 7.2/16

Left Out: 24.478+/-60.539 χ^2/NDF : 4.1/17

Right Out: -12.565+/-71.013 χ^2/NDF : 6.7/18

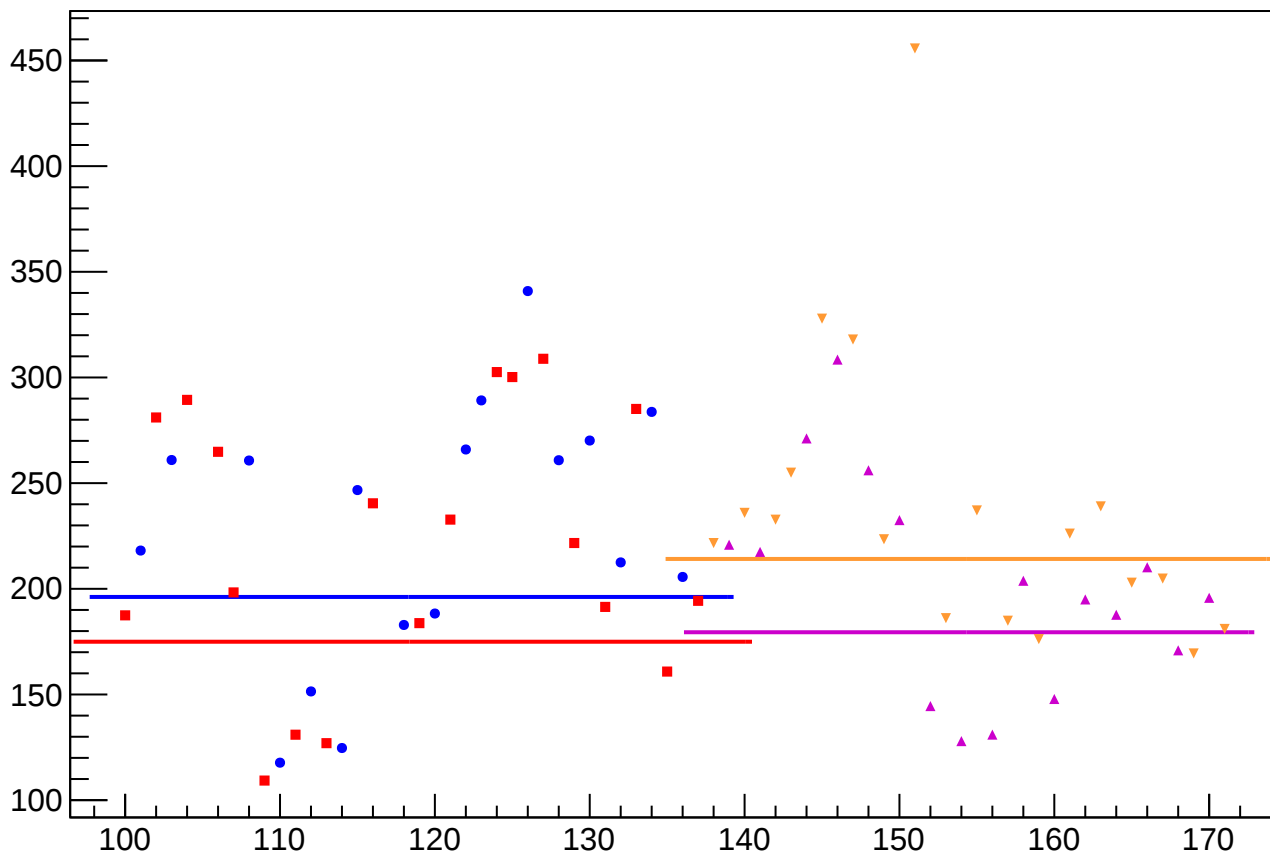
Left In: -48.113+/-53.756 χ^2/NDF : 5.6/15

+ sign 42.120+/-48.263 χ^2/NDF : 11.6/34

All: -1.087+/-32.048 χ^2/NDF : 25.5/69

- sign -35.163+/-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: 214.135 $\pm$ 0.043 χ^2 /NDF:1175987.2/17

Right Out: 174.965 $\pm$ 0.050 χ^2 /NDF: 1510956.5/18

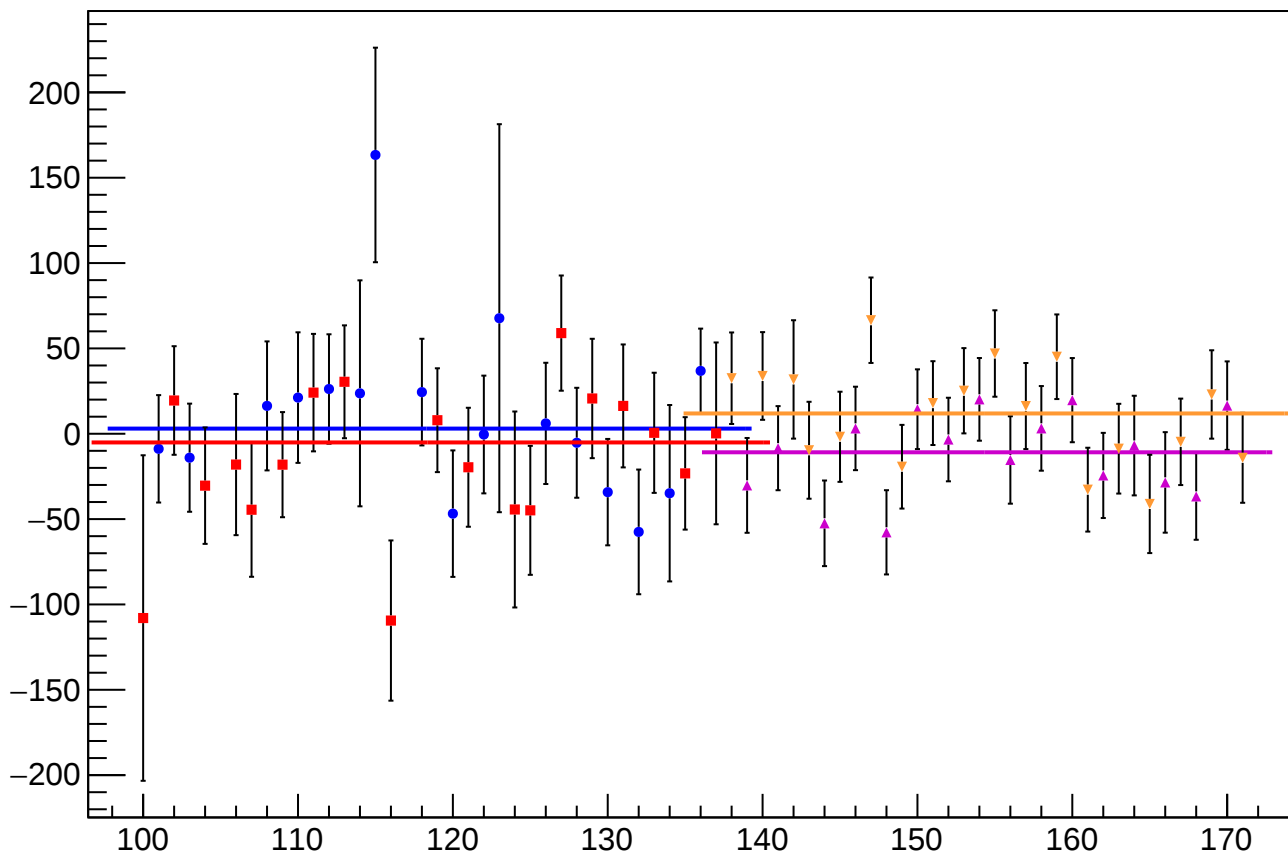
Left In: 179.447 $\pm$ 0.038 χ^2 /NDF:1461250.0/15

+ sign 207.581 $\pm$ 0.034 χ^2 /NDF: 2205305.6/34

All: 190.939 $\pm$ 0.023 χ^2 /NDF: 5607912.1/69

- 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 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 11.891 ± 6.143 $\chi^2/\text{NDF}: 21.9/17$

Right Out: -5.092 ± 8.477 $\chi^2/\text{NDF}: 17.2/18$

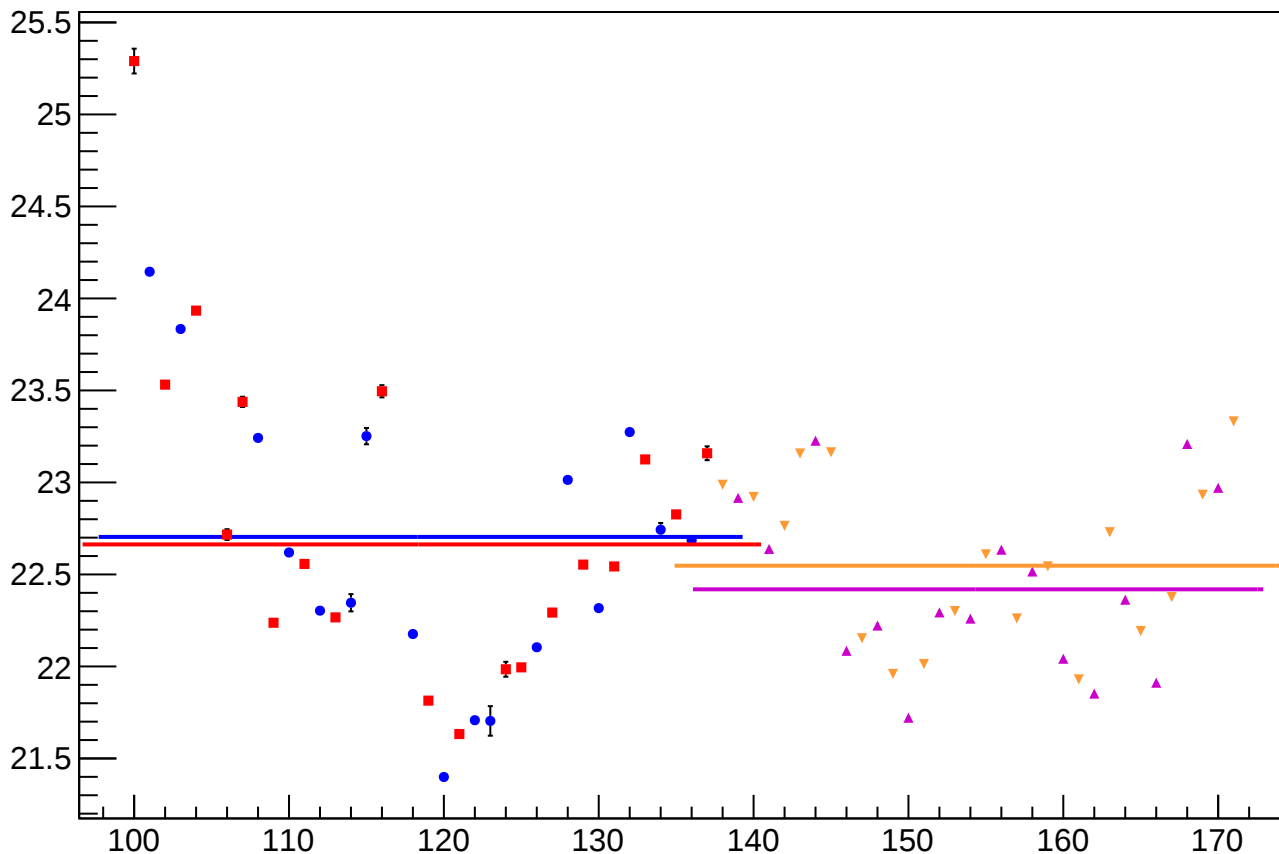
Left In: -10.862 ± 6.347 $\chi^2/\text{NDF}: 14.8/15$

+ sign 8.963 ± 5.028 $\chi^2/\text{NDF}: 39.7/34$

All: 0.179 ± 3.574 $\chi^2/\text{NDF}: 78.2/69$

- sign -8.790 ± 5.081 $\chi^2/\text{NDF}: 32.3/34$

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: 22.547 $\pm$ 0.004 χ^2 /NDF: 10080.6/17

Right Out: 22.663 $\pm$ 0.006 χ^2 /NDF: 12943.4/18

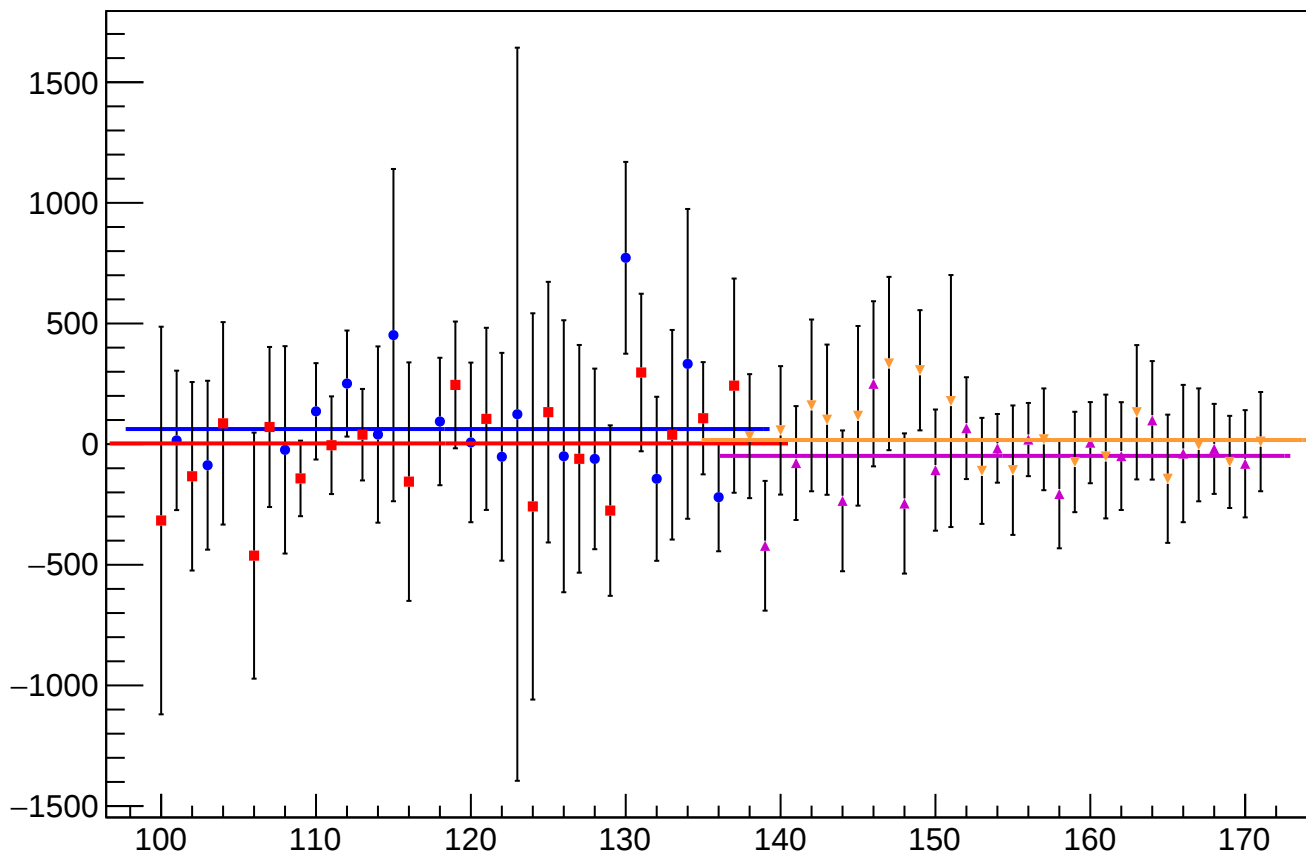
Left In: 22.419 $\pm$ 0.004 χ^2 /NDF: 10414.2/15

+ sign 22.599 $\pm$ 0.004 χ^2 /NDF: 24614.6/34

All: 22.553 $\pm$ 0.003 χ^2 /NDF: 49368.1/69

- 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: 17.027+/-60.412 χ^2/NDF : 4.1/17

Right Out: 3.038+/-70.518 χ^2/NDF : 5.2/18

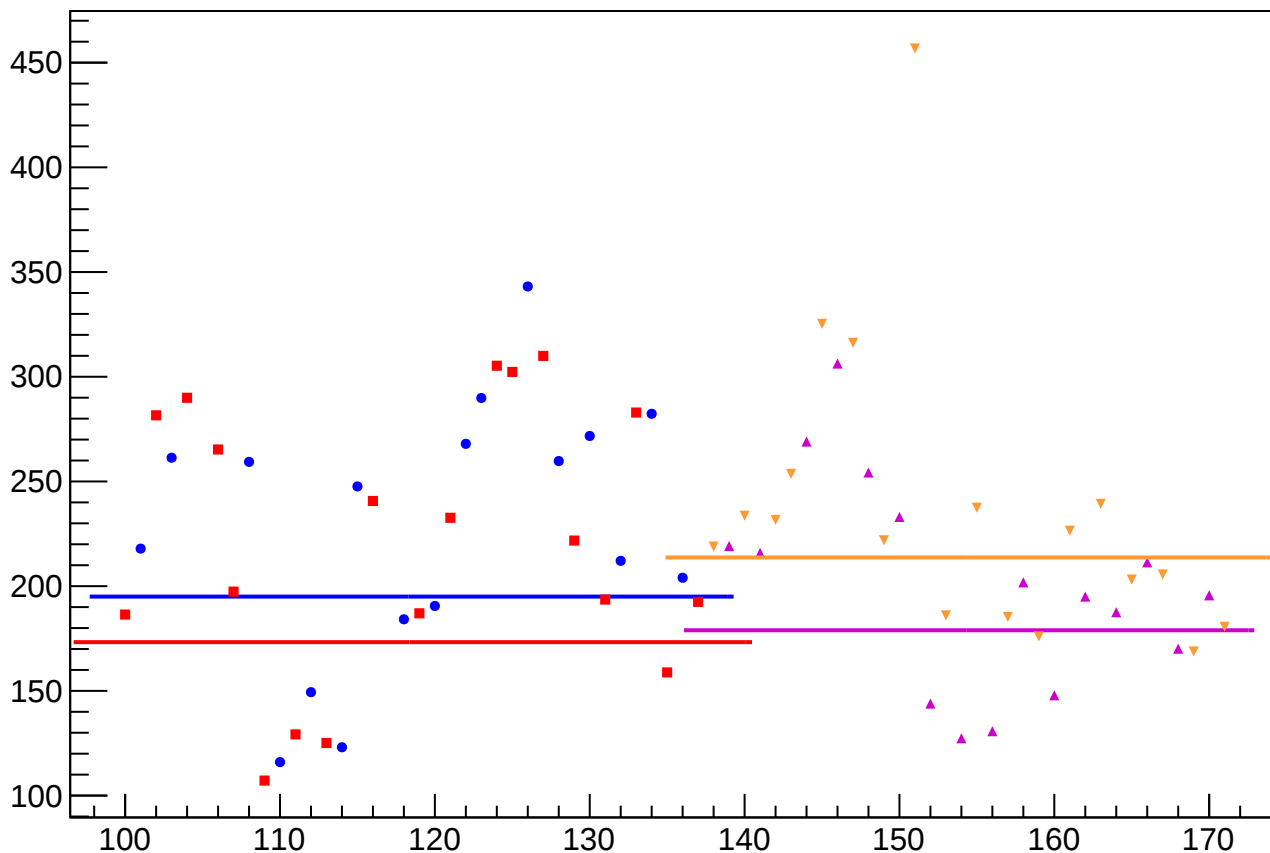
Left In: -48.648+/-53.604 χ^2/NDF : 5.2/15

+ sign 33.672+/-48.123 χ^2/NDF : 11.4/34

All: -1.814+/-31.929 χ^2/NDF : 23.1/69

- 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: 213.697 $\pm$ 0.043 χ^2 /NDF: 1167230.7/17

Right Out: 173.262 $\pm$ 0.050 χ^2 /NDF: 1578202.7/18

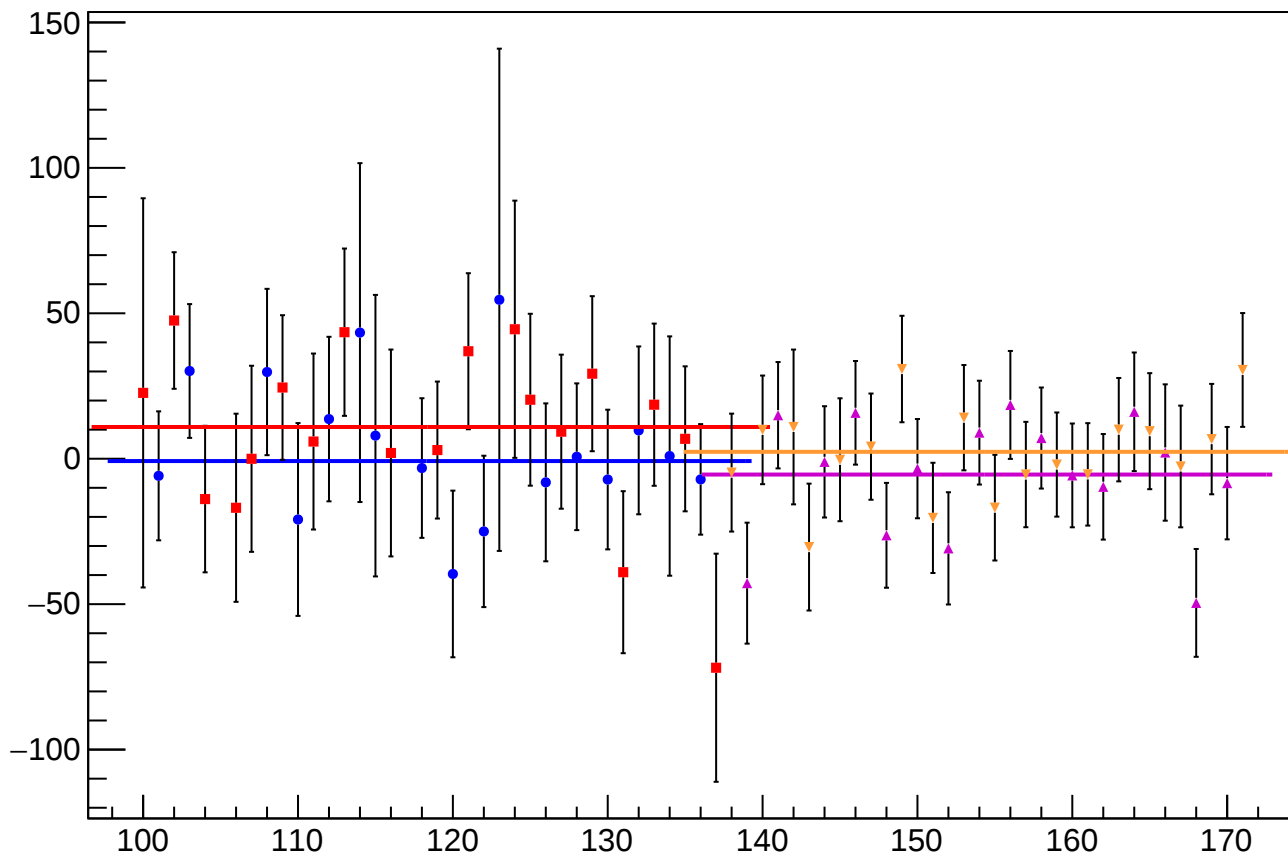
Left In: 178.935 $\pm$ 0.038 χ^2 /NDF: 1451548.1/15

+ sign 206.872 $\pm$ 0.034 χ^2 /NDF: 2241361.2/34

All: 190.070 $\pm$ 0.023 χ^2 /NDF: 5714835.8/69

- 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: 2.371 ± 4.534 χ^2/NDF : 11.0/17

Right Out: 10.912 ± 6.626 χ^2/NDF : 15.9/18

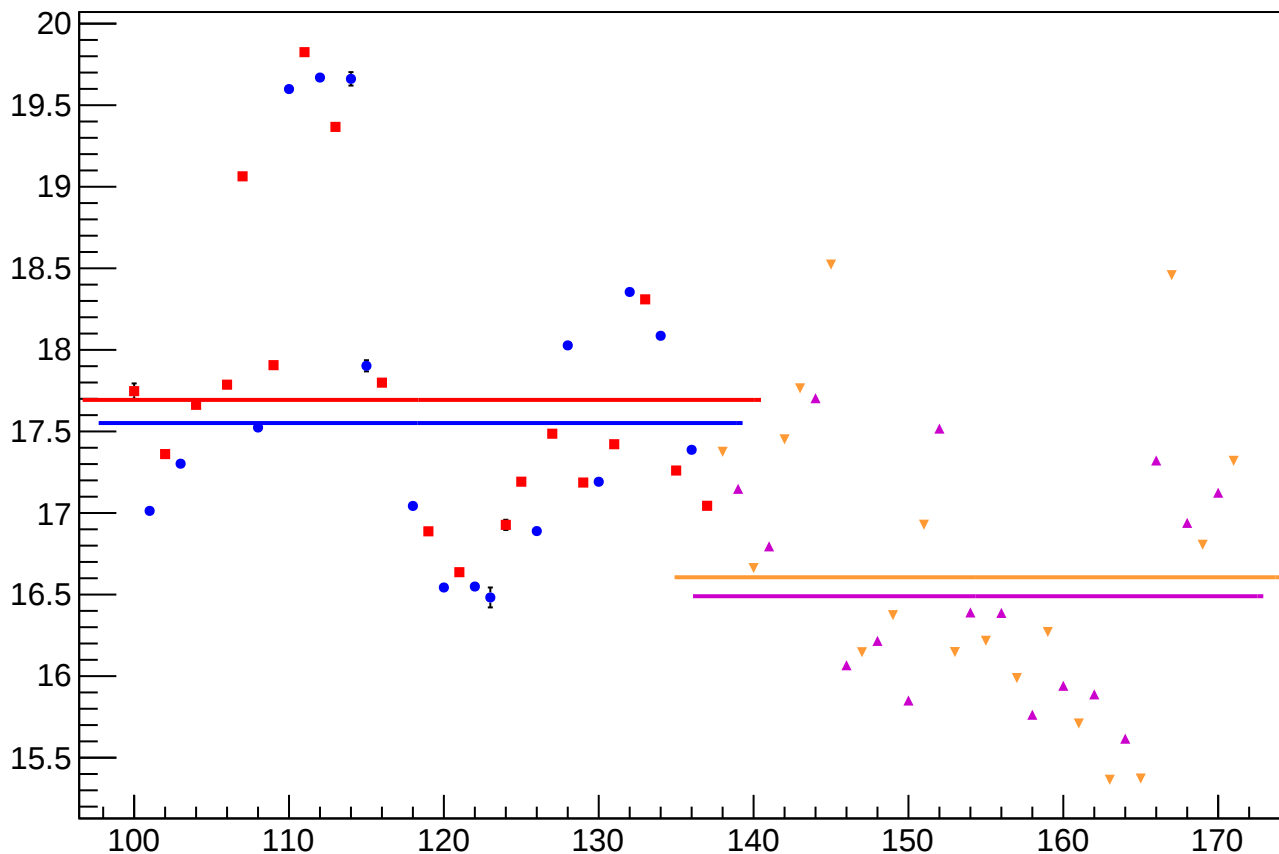
Left In: -5.441 ± 4.676 χ^2/NDF : 18.8/15

+ sign 1.389 ± 3.767 χ^2/NDF : 18.9/34

All: 0.702 ± 2.682 χ^2/NDF : 57.8/69

- 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 $\pm$ 0.005 χ^2 /NDF: 34027.1/16

Left Out: 16.606 $\pm$ 0.003 χ^2 /NDF: 75550.8/17

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30742.0/18

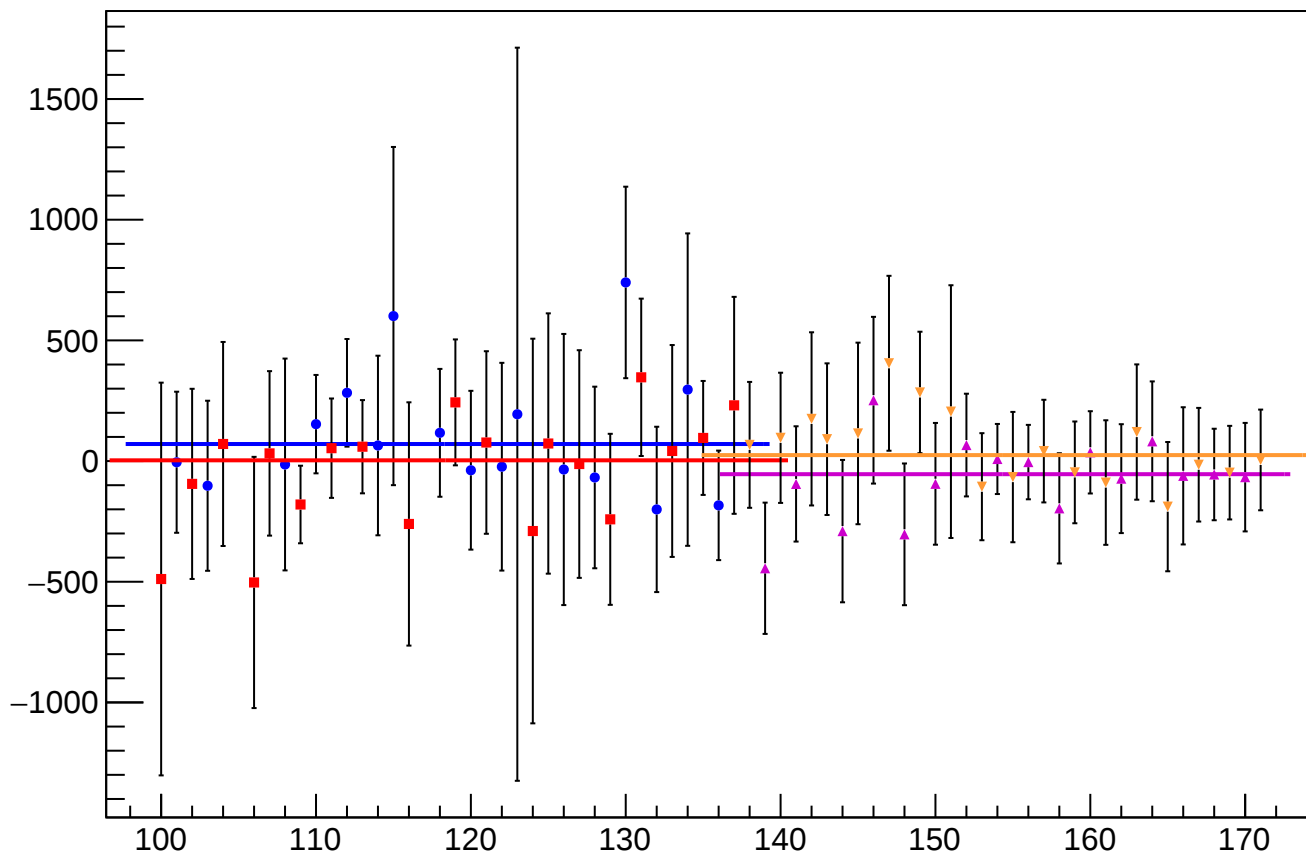
Left In: 16.490 $\pm$ 0.003 χ^2 /NDF: 37924.8/15

+ sign 16.899 $\pm$ 0.003 χ^2 /NDF: 136506.8/34

All: 16.894 $\pm$ 0.002 χ^2 /NDF: 249222.8/69

- sign 16.890 $\pm$ 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: 24.705+/-61.030 χ^2/NDF : 4.4/17

Right Out: 3.063+/-71.508 χ^2/NDF : 6.2/18

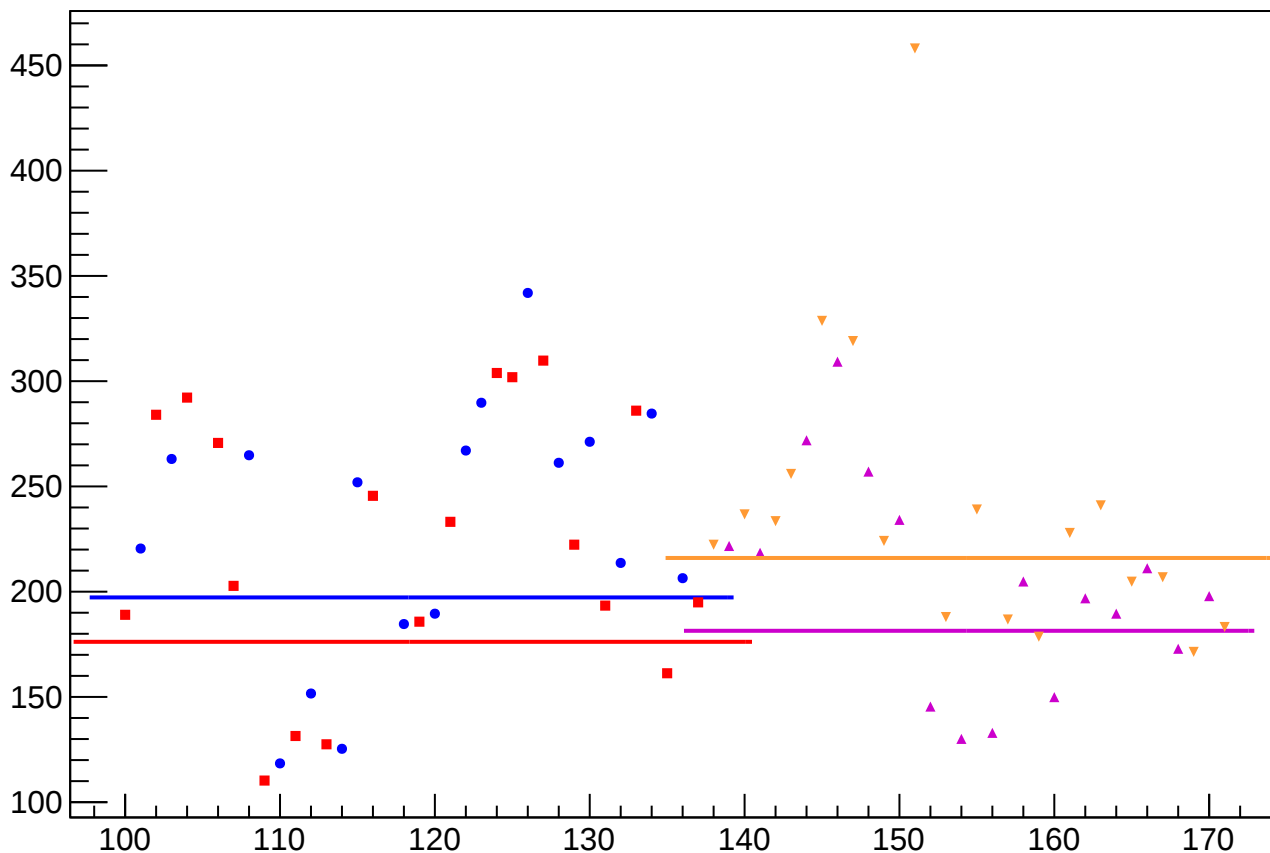
Left In: -54.346+/-54.287 χ^2/NDF : 5.8/15

+ sign 41.493+/-48.613 χ^2/NDF : 11.8/34

All: -0.297+/-32.308 χ^2/NDF : 25.5/69

- 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 $\pm$ 0.057 χ^2 /NDF: 969549.7/16

Left Out: 216.017 $\pm$ 0.043 χ^2 /NDF: 1149943.1/17

Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

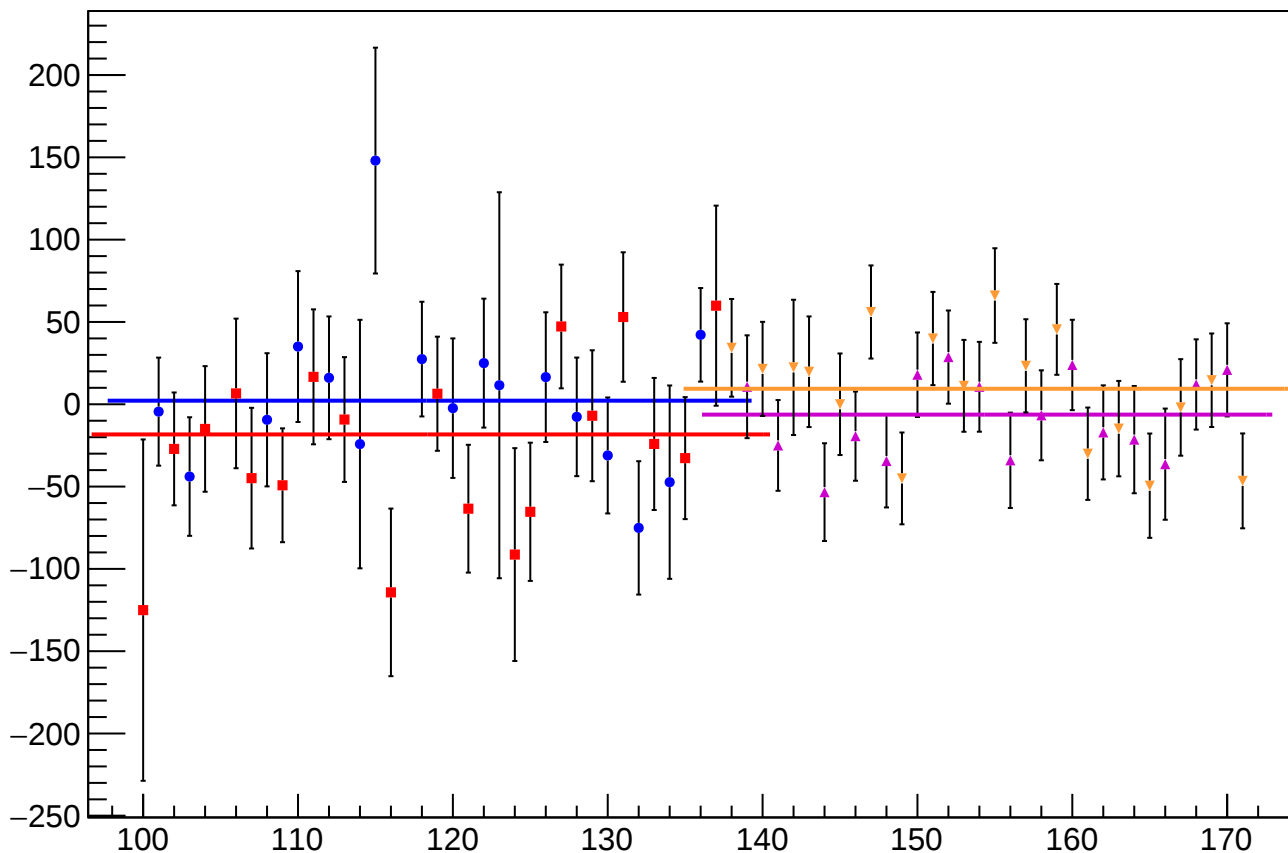
Left In: 181.417 $\pm$ 0.038 χ^2 /NDF: 1417008.0/15

+ sign 209.165 $\pm$ 0.034 χ^2 /NDF: 2188459.0/34

All: 192.604 $\pm$ 0.023 χ^2 /NDF: 5547709.8/69

- sign 179.503 $\pm$ 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 χ^2/NDF : 15.4/16

Left Out: 9.424 ± 6.935 χ^2/NDF : 24.8/17

Right Out: -18.320 ± 9.497 χ^2/NDF : 19.6/18

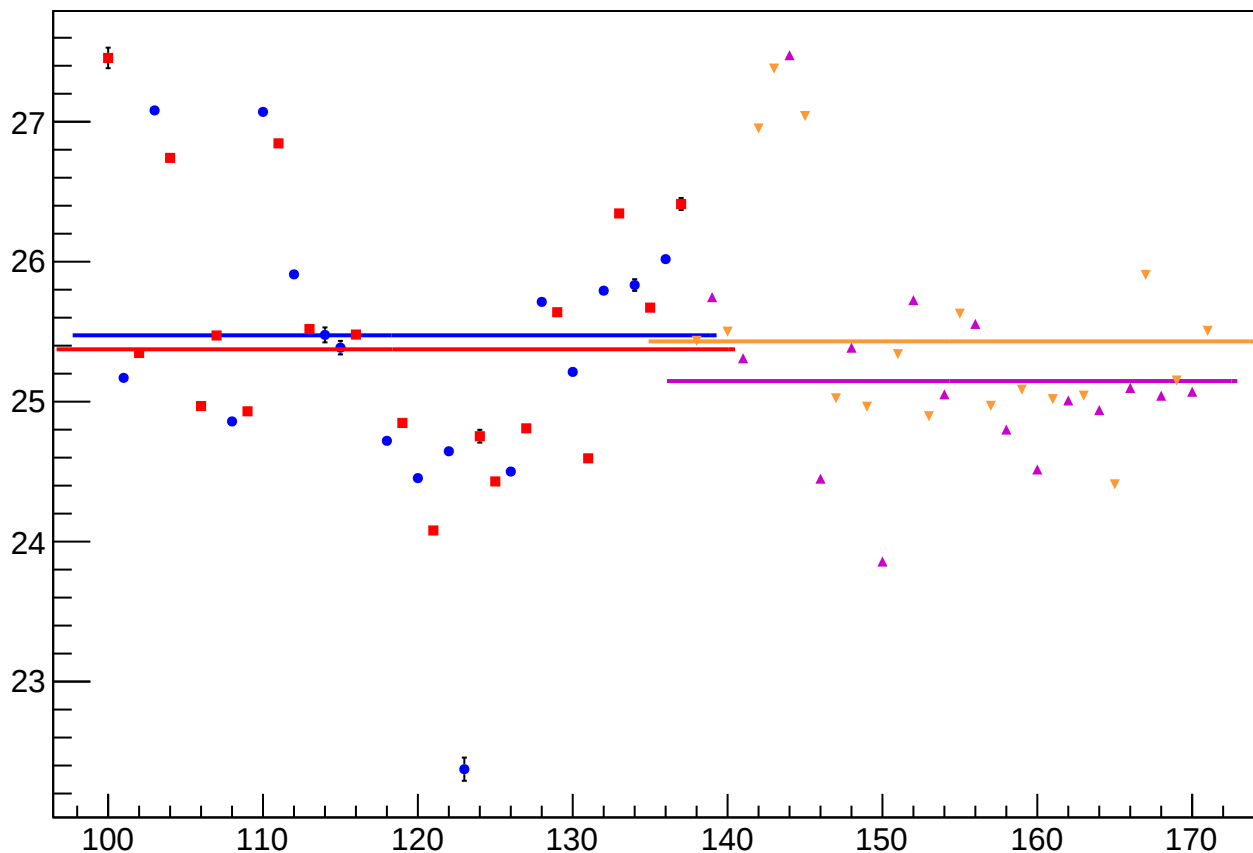
Left In: -6.285 ± 7.127 χ^2/NDF : 12.0/15

+ sign 7.014 ± 5.666 χ^2/NDF : 40.5/34

All: -1.750 ± 4.018 χ^2/NDF : 77.9/69

- sign -10.621 ± 5.700 χ^2/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: 25.431 $\pm$ 0.005 χ^2 /NDF: 21203.6/17

Right Out: 25.374 $\pm$ 0.007 χ^2 /NDF: 13581.2/18

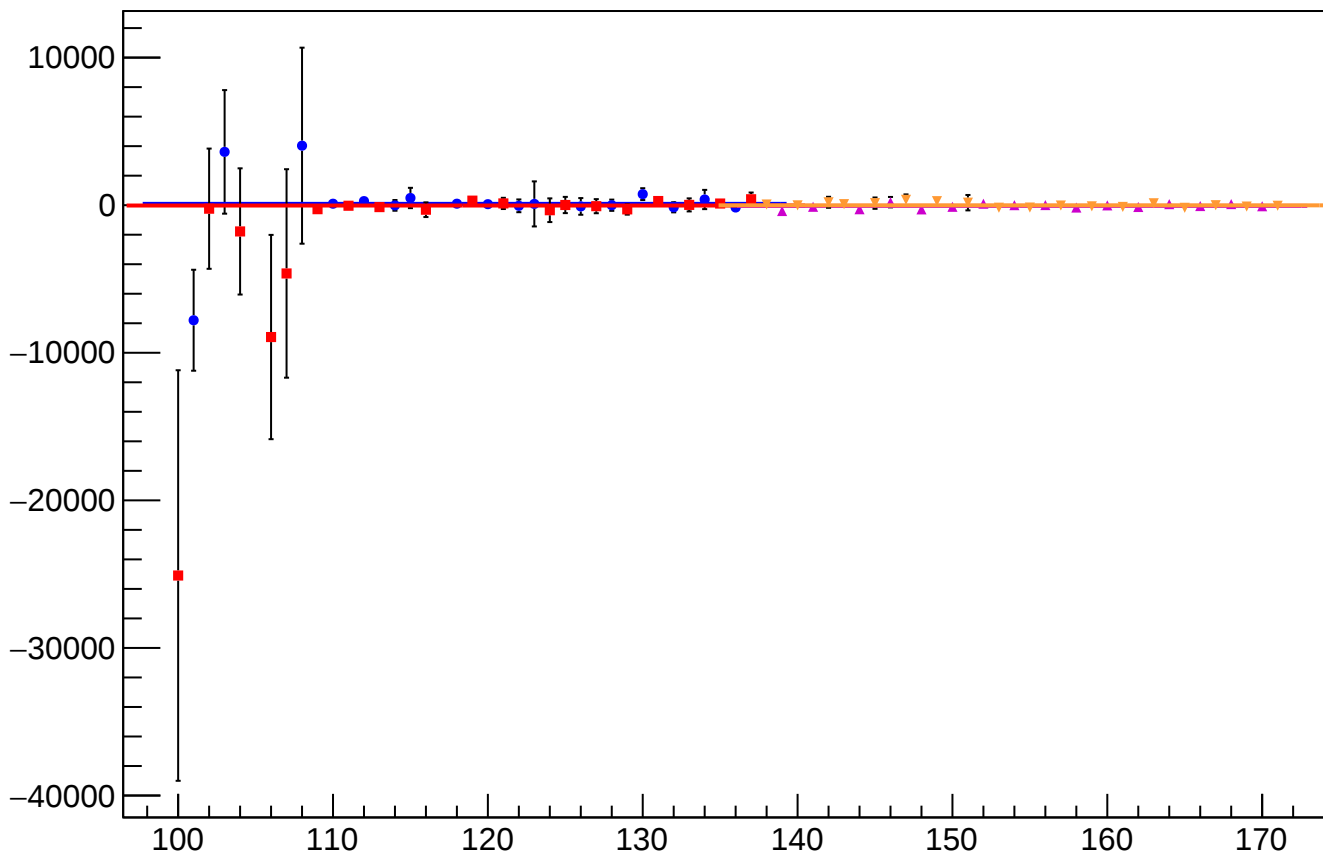
Left In: 25.147 $\pm$ 0.005 χ^2 /NDF: 22432.8/15

+ sign 25.445 $\pm$ 0.004 χ^2 /NDF: 35290.6/34

All: 25.338 $\pm$ 0.003 χ^2 /NDF: 73480.8/69

- 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: -10.261+/-61.413 χ^2/NDF : 4.8/17

Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

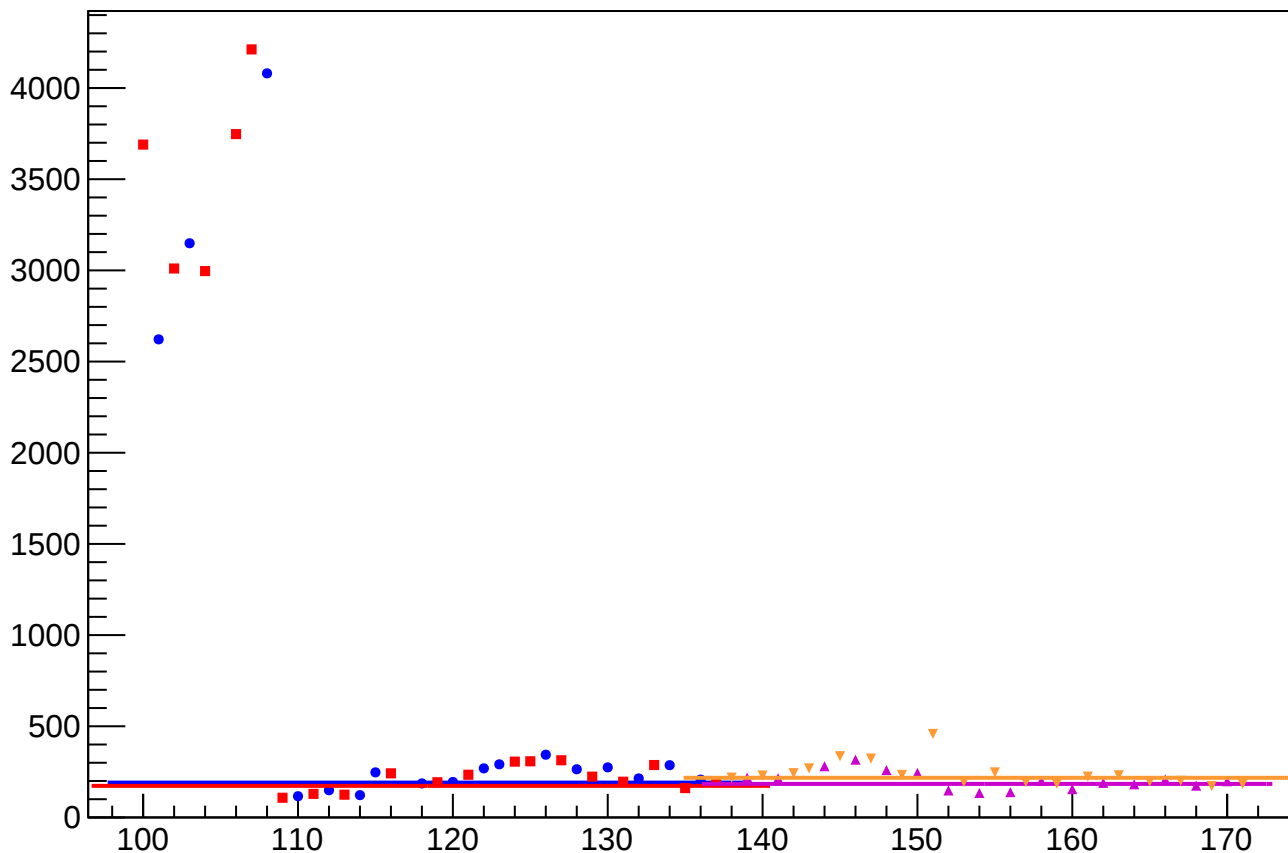
Left In: -48.217+/-54.907 χ^2/NDF : 5.3/15

+ sign 22.637+/-50.292 χ^2/NDF : 18.0/34

All: -11.932+/-33.713 χ^2/NDF : 36.1/69

- 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 $\pm$ 0.062 χ^2 /NDF: 3571747.5/16

Left Out: 217.474 $\pm$ 0.043 χ^2 /NDF: 1151413.7/17

Right Out: 173.269 $\pm$ 0.057 χ^2 /NDF: 4207191.5/18

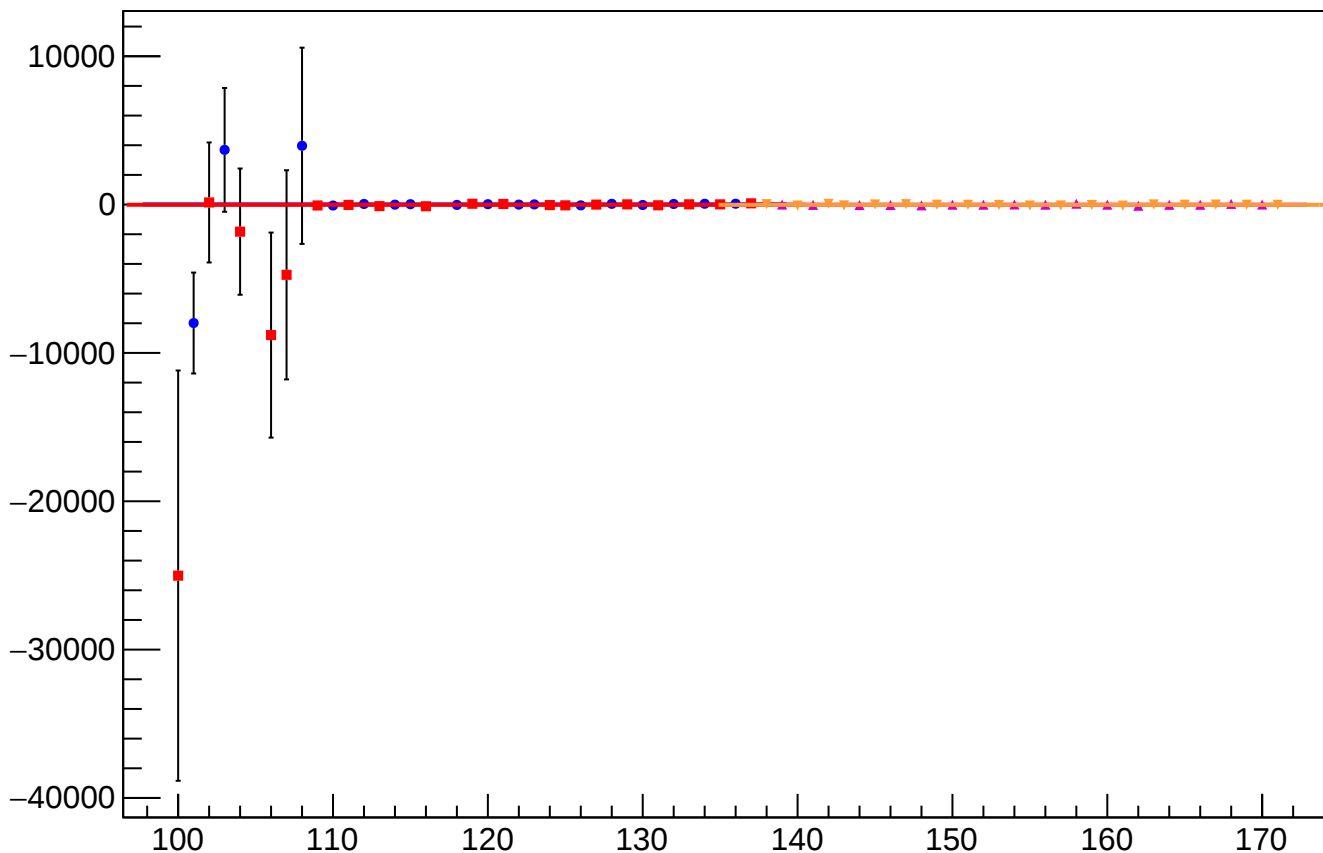
Left In: 183.988 $\pm$ 0.039 χ^2 /NDF: 1309747.3/15

+ sign 208.817 $\pm$ 0.036 χ^2 /NDF: 4843829.0/34

All: 193.284 $\pm$ 0.024 χ^2 /NDF: 10731293.1/69

- sign 180.607 $\pm$ 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: -17.626 ± 7.893 χ^2/NDF : 16.1/17

Right Out: -12.947 ± 12.227 χ^2/NDF : 24.4/18

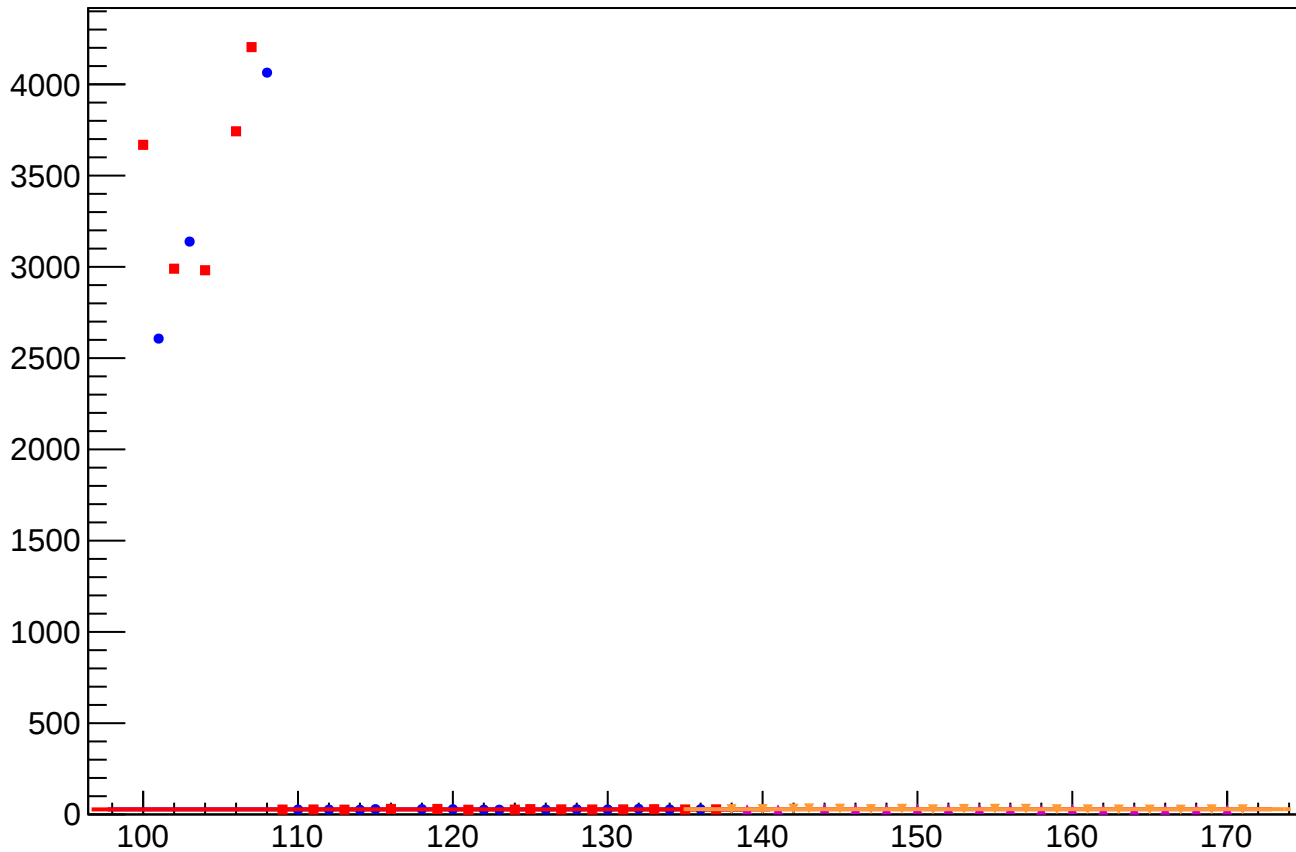
Left In: -7.615 ± 8.196 χ^2/NDF : 17.5/15

+ sign -9.347 ± 6.625 χ^2/NDF : 38.1/34

All: -9.308 ± 4.748 χ^2/NDF : 80.1/69

- 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: 28.885 $\pm$ 0.006 χ^2 /NDF: 96462.8/17

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

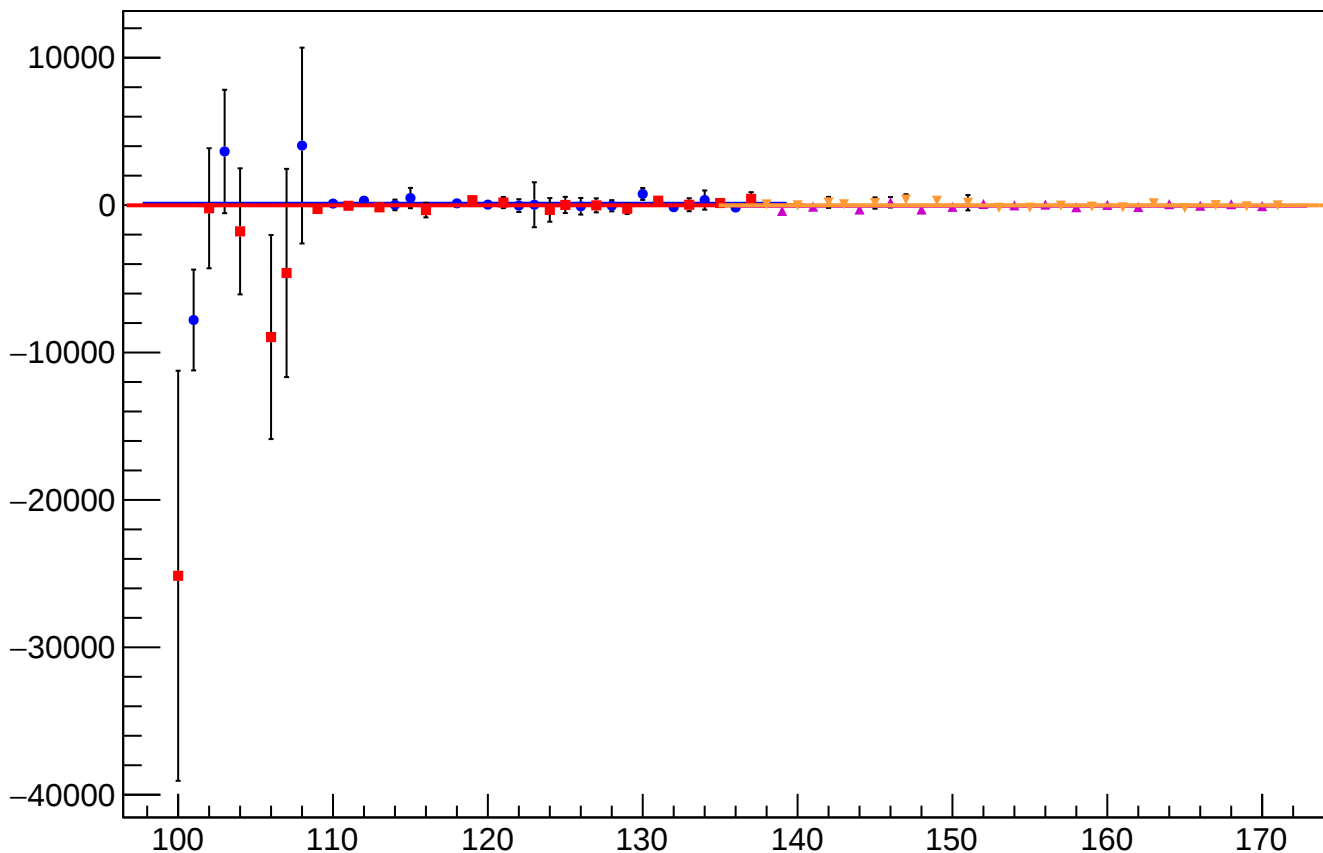
Left In: 28.842 $\pm$ 0.006 χ^2 /NDF: 110751.1/15

+ sign 28.575 $\pm$ 0.005 χ^2 /NDF: 3133766.5/34

All: 28.532 $\pm$ 0.003 χ^2 /NDF: 6733660.3/69

- 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: -13.836+/-61.279 χ^2/NDF : 5.5/17

Right Out: -12.772+/-80.640 χ^2/NDF : 12.7/18

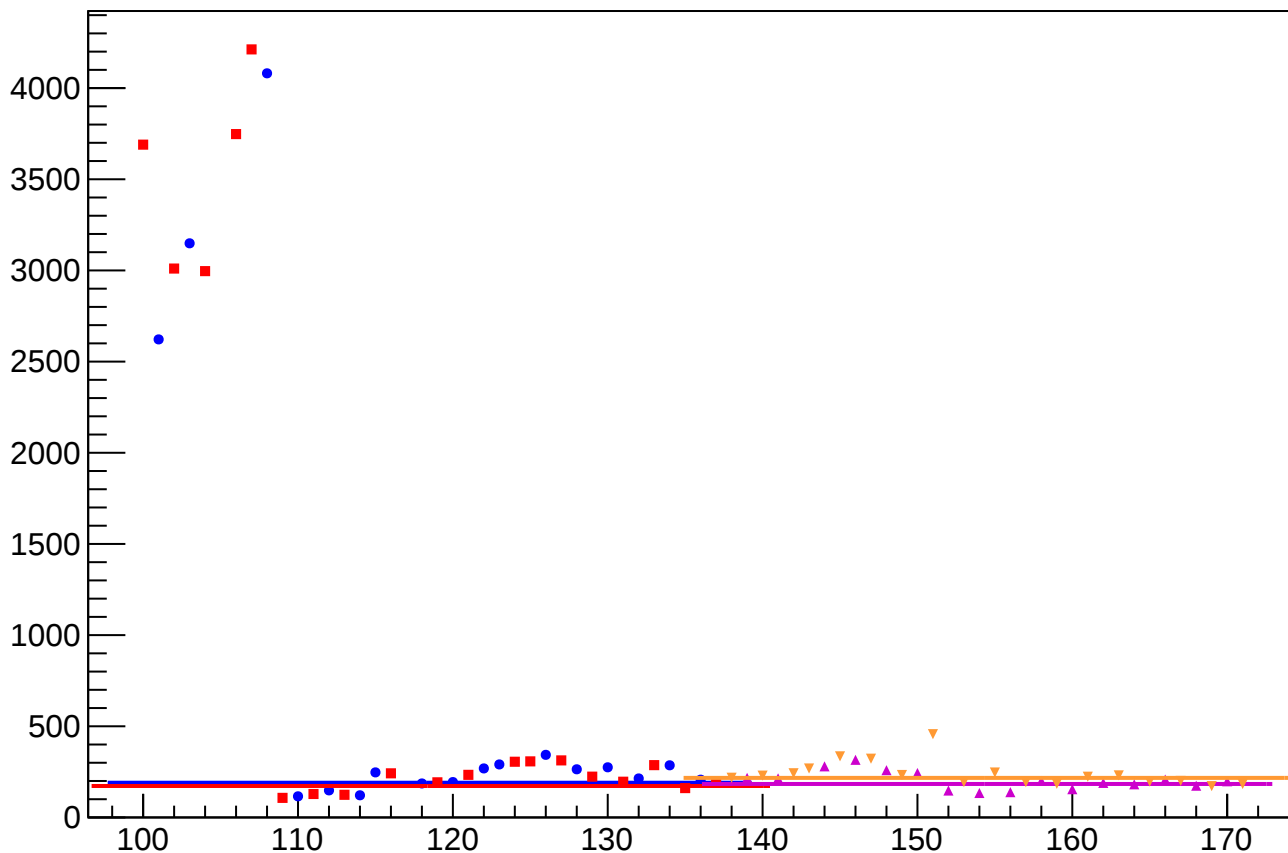
Left In: -46.472+/-54.800 χ^2/NDF : 5.4/15

+ sign 21.344+/-50.167 χ^2/NDF : 19.1/34

All: -10.132+/-33.631 χ^2/NDF : 37.9/69

- 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: 217.002+/-0.043 χ^2/NDF : 1151234.9/17

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

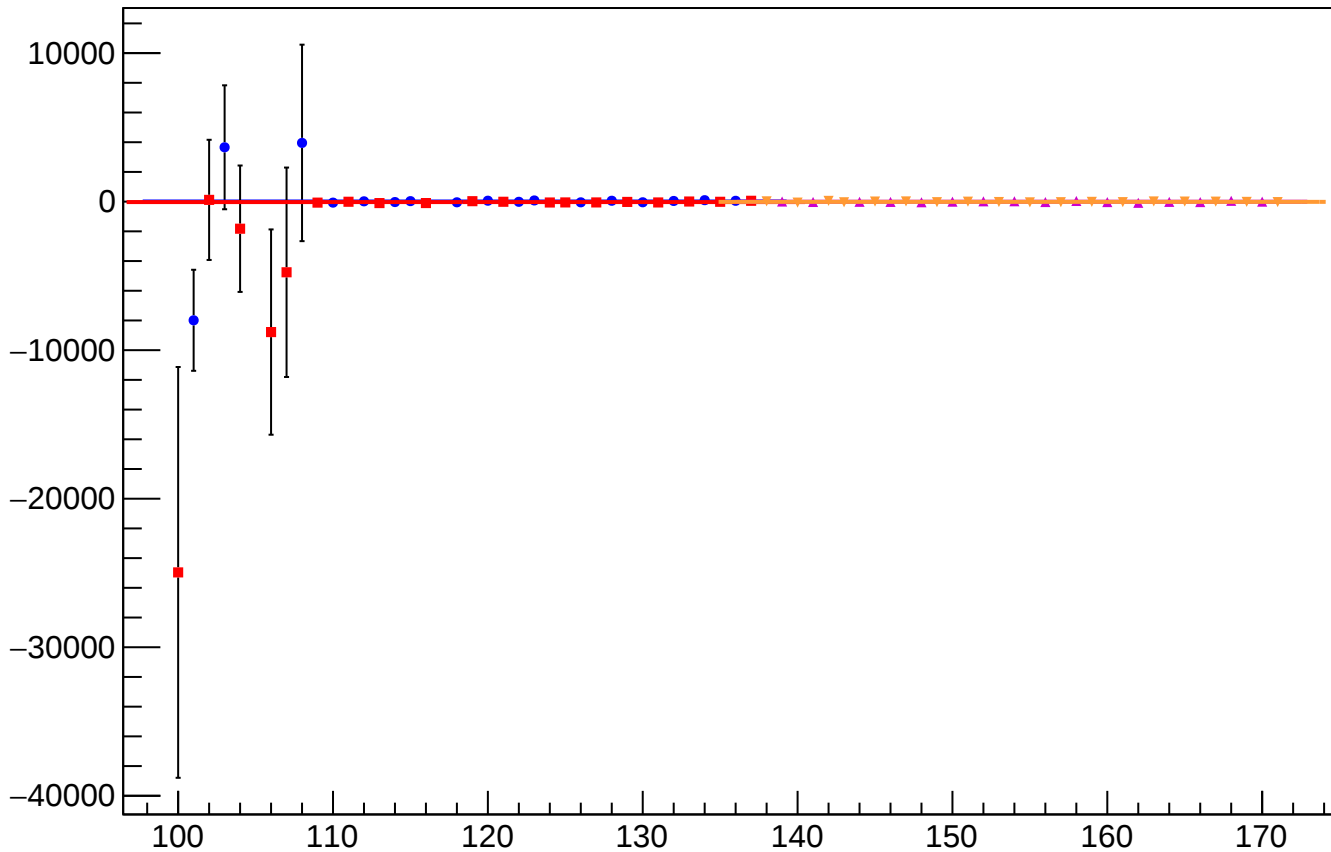
Left In: 183.632+/-0.039 χ^2/NDF : 1309500.8/15

+ sign 208.258+/-0.035 χ^2/NDF : 4858312.9/34

All: 192.781+/-0.024 χ^2/NDF : 10757532.9/69

- 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: -14.820 $\pm$ 7.947 χ^2 /NDF:10.9/17

Right Out: -29.627 $\pm$ 12.328 χ^2 /NDF: 16.5/18

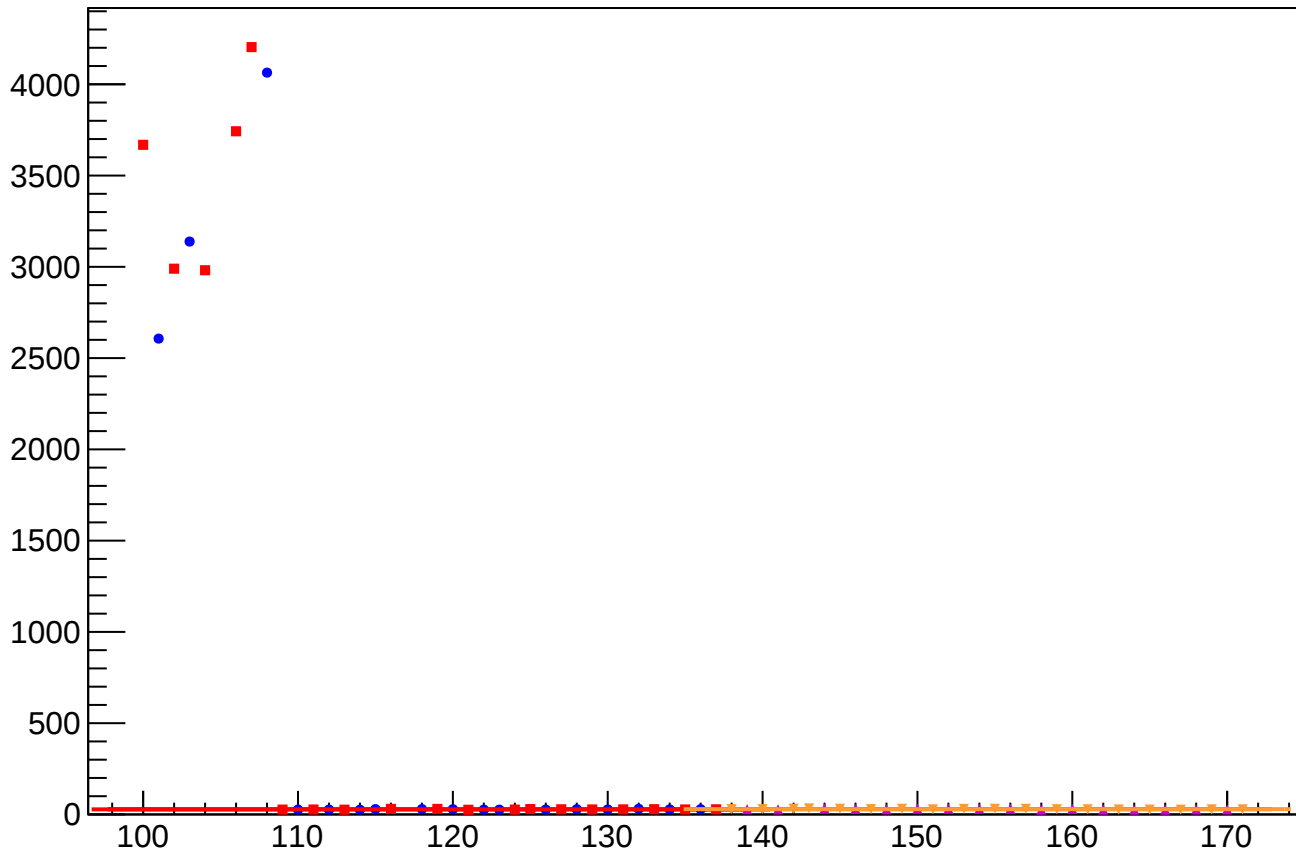
Left In: -6.635 $\pm$ 8.244 χ^2 /NDF:17.4/15

+ sign -7.606 $\pm$ 6.671 χ^2 /NDF: 36.9/34

All: -10.590 $\pm$ 4.780 χ^2 /NDF: 73.6/69

- 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: 29.078+/-0.006 χ^2/NDF : 102262.6/17

Right Out: 27.917+/-0.009 χ^2/NDF : 3479610.6/18

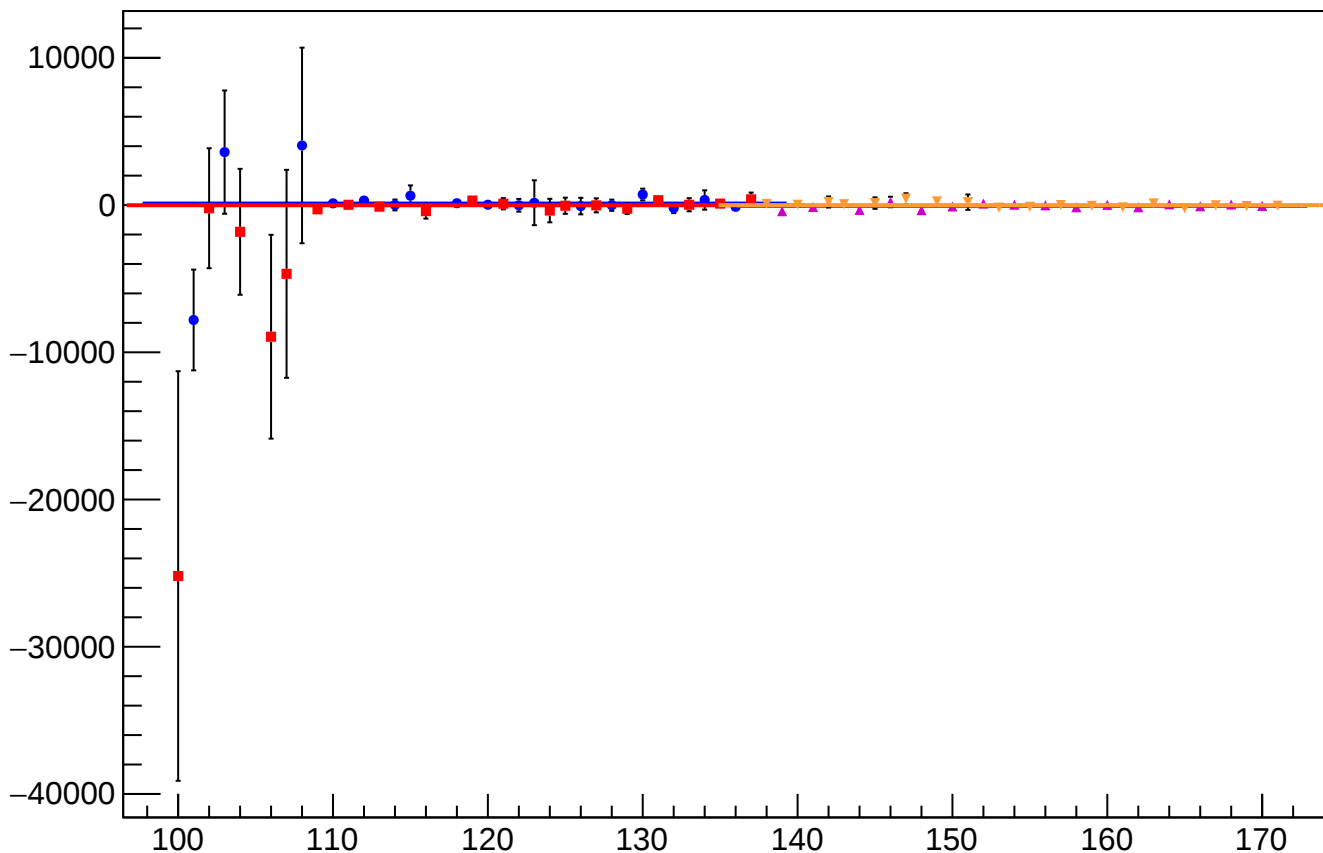
Left In: 29.016+/-0.006 χ^2/NDF : 111763.2/15

+ sign 28.766+/-0.005 χ^2/NDF : 3139675.2/34

All: 28.722+/-0.003 χ^2/NDF : 6742199.7/69

- 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: -3.248 $\pm$ 62.012 χ^2 /NDF: 5.2/17

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

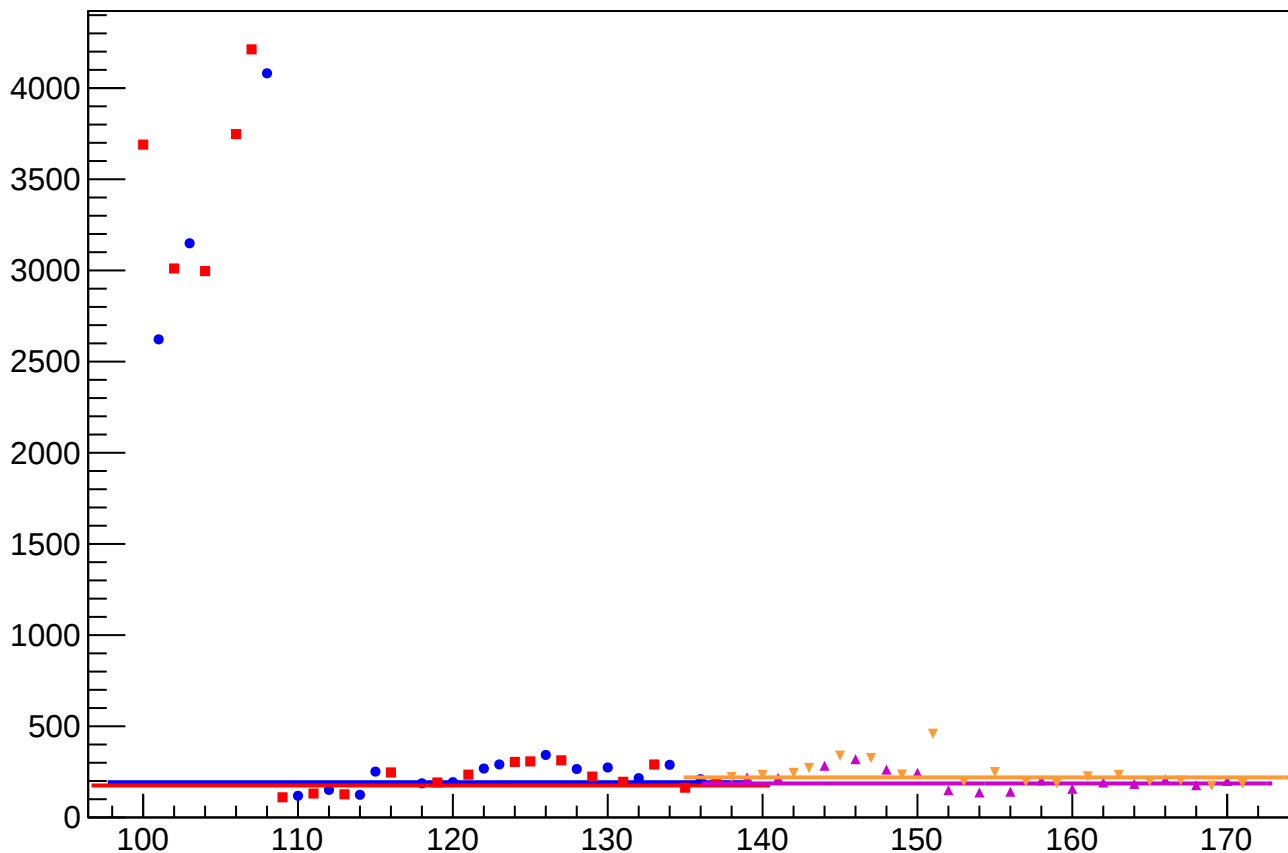
Left In: -54.385 $\pm$ 55.573 χ^2 /NDF: 6.0/15

+ sign 31.392 $\pm$ 50.765 χ^2 /NDF: 18.5/34

All: -8.252 $\pm$ 34.069 χ^2 /NDF: 38.0/69

- 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: 219.711+/-0.044 χ^2/NDF : 1137782.6/17

Right Out: 175.485+/-0.058 χ^2/NDF : 4165391.7/18

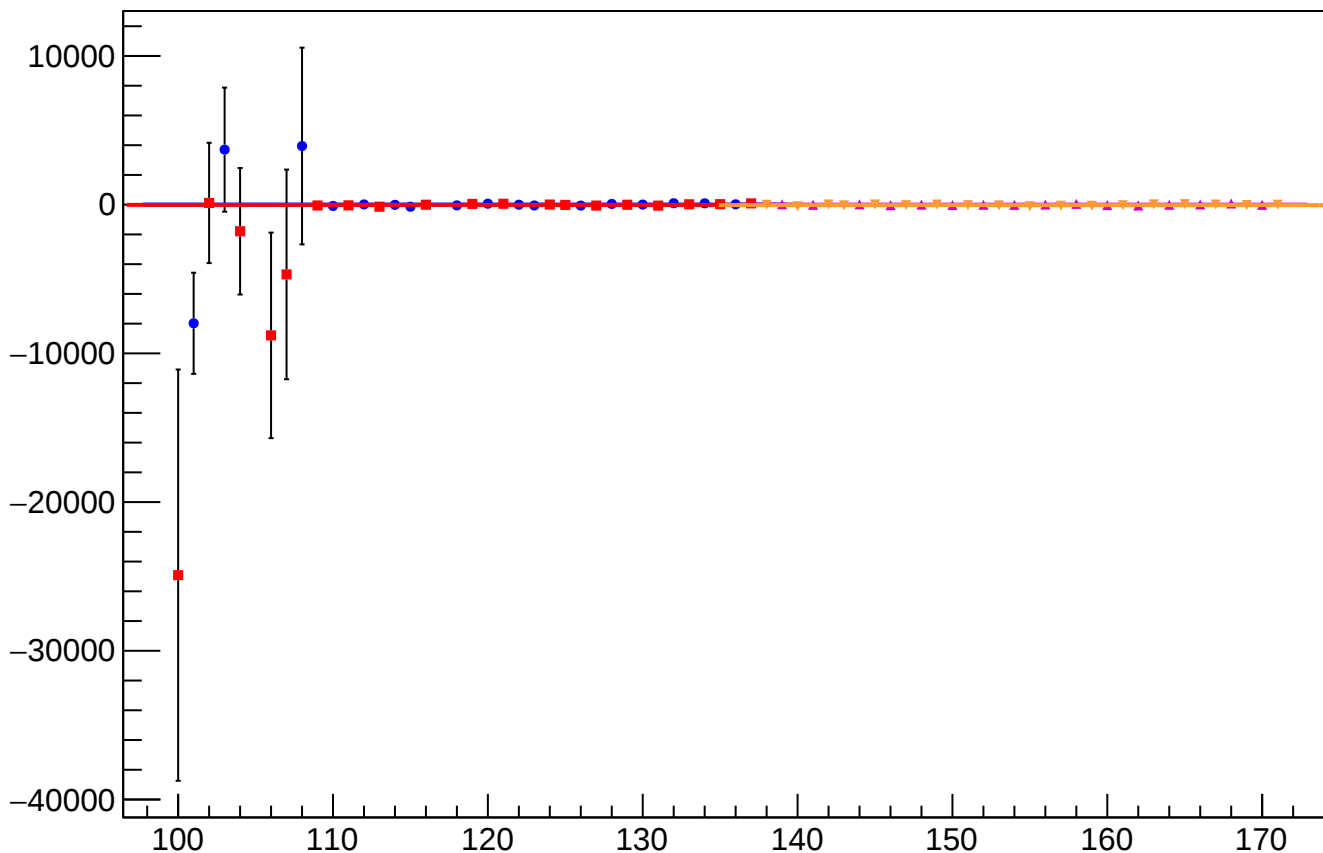
Left In: 186.402+/-0.039 χ^2/NDF : 1280268.4/15

+ sign 210.963+/-0.036 χ^2/NDF : 4794566.4/34

All: 195.567+/-0.024 χ^2/NDF : 10599333.0/69

- 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 ± 14.935 χ^2/NDF : 20.4/16

Left Out: -30.602 ± 9.469 χ^2/NDF : 18.8/17

Right Out: -12.487 ± 14.947 χ^2/NDF : 21.7/18

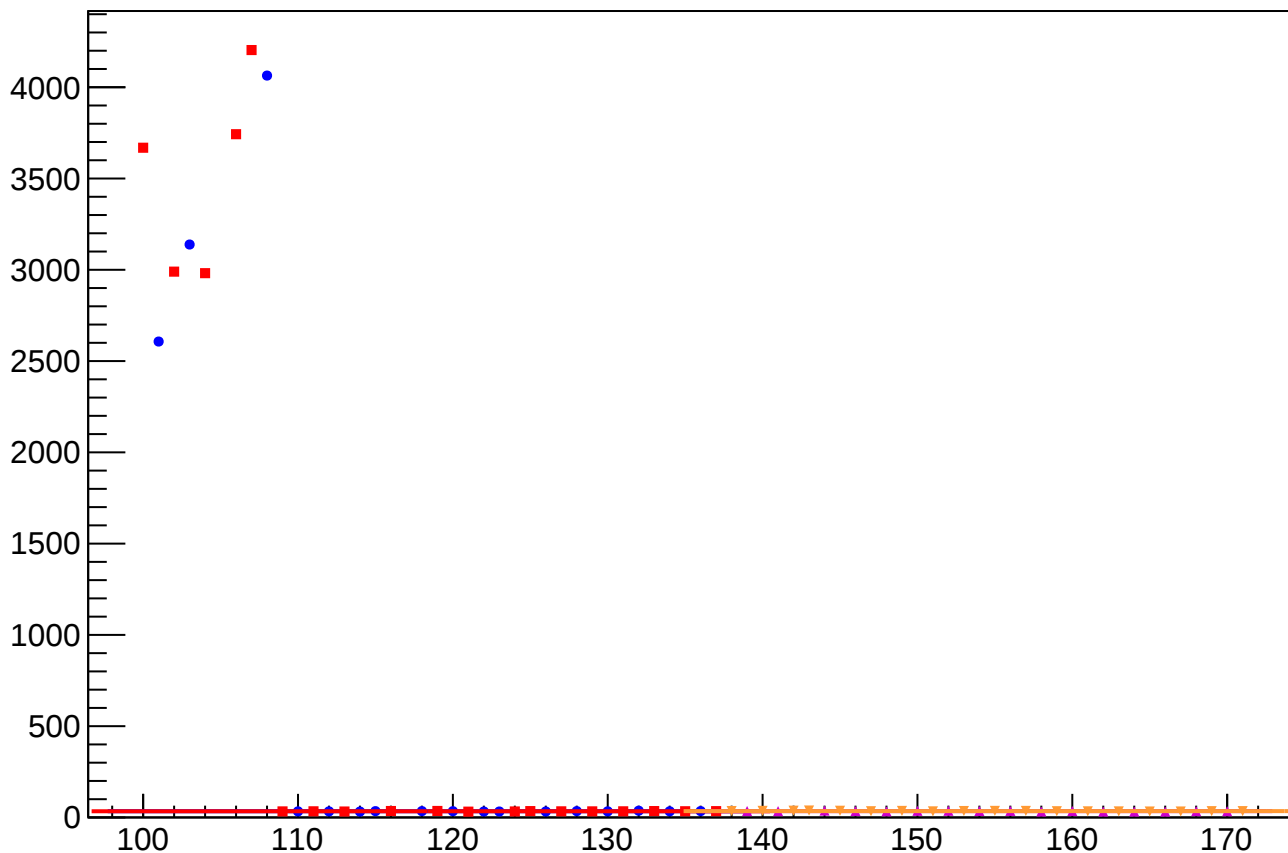
Left In: 2.732 ± 9.833 χ^2/NDF : 12.0/15

+ sign -20.495 ± 7.997 χ^2/NDF : 43.2/34

All: -11.430 ± 5.730 χ^2/NDF : 80.2/69

- sign -1.865 ± 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: 34.704 $\pm$ 0.007 χ^2 /NDF: 46794.9/17

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

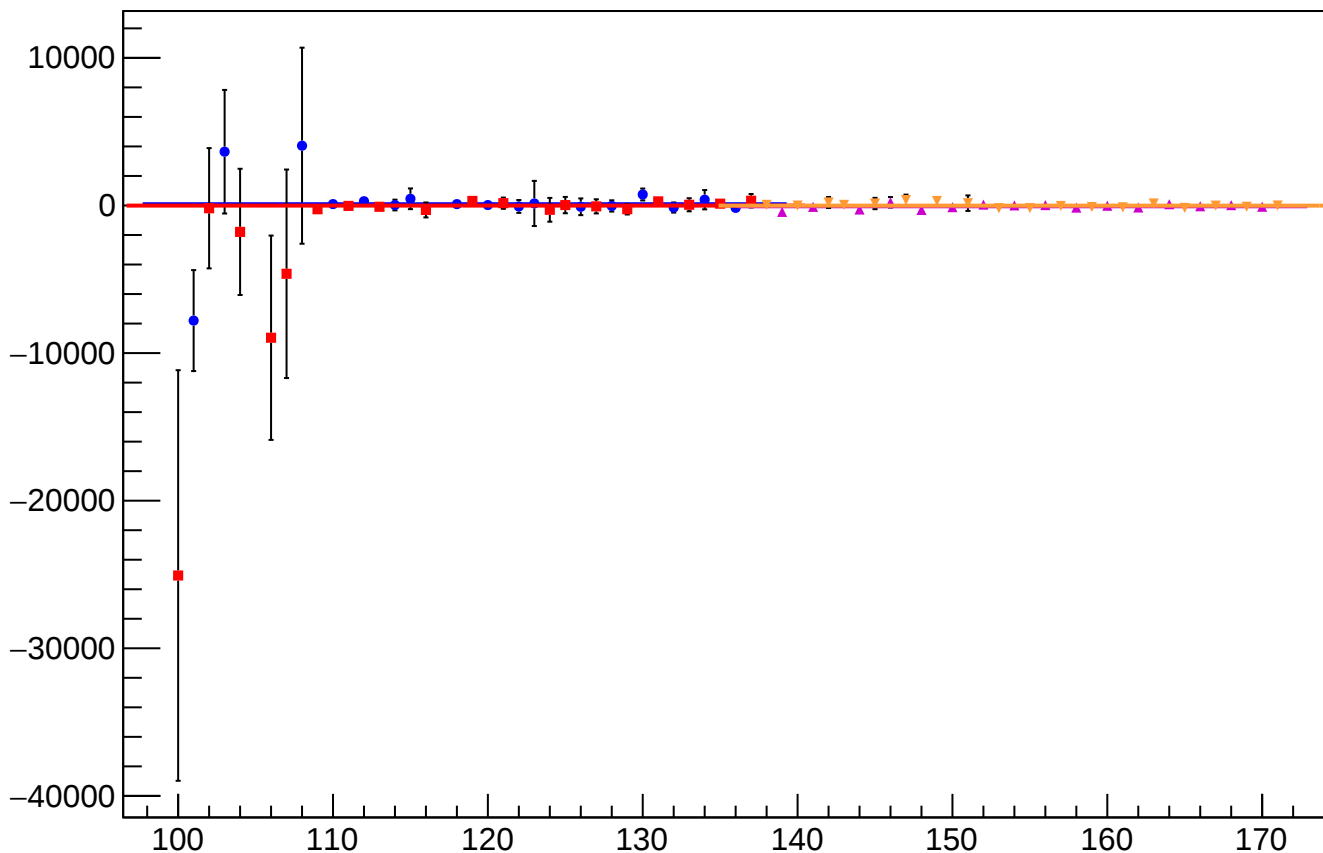
Left In: 34.673 $\pm$ 0.007 χ^2 /NDF: 51524.7/15

+ sign 34.542 $\pm$ 0.006 χ^2 /NDF: 3055097.2/34

All: 34.494 $\pm$ 0.004 χ^2 /NDF: 6562271.5/69

- 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: -9.845+/-61.888 χ^2/NDF : 5.3/17

Right Out: -7.296+/-81.208 χ^2/NDF : 11.1/18

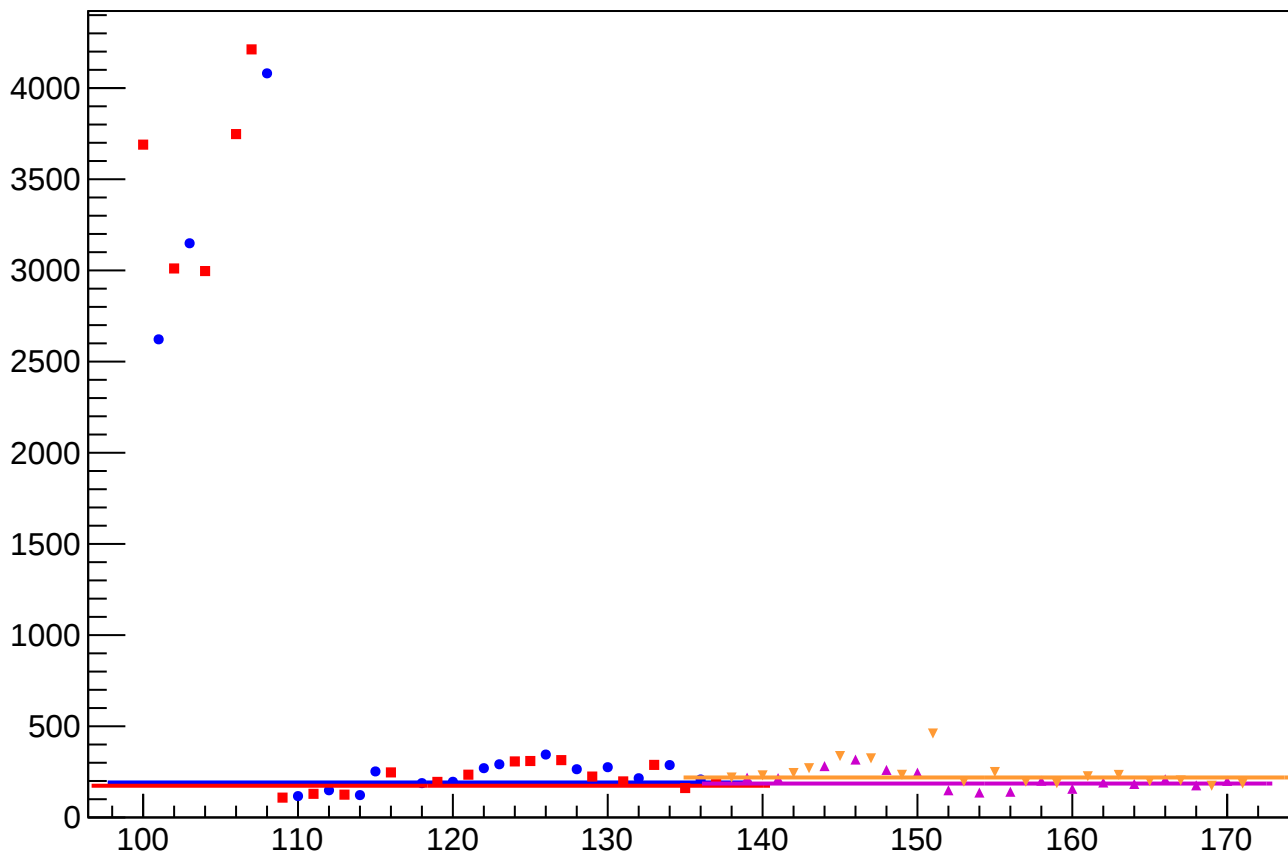
Left In: -54.724+/-55.427 χ^2/NDF : 5.4/15

+ sign 21.911+/-50.613 χ^2/NDF : 18.5/34

All: -11.949+/-33.952 χ^2/NDF : 36.0/69

- 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 $\pm$ 0.062 χ^2 /NDF: 3573060.2/16

Left Out: 219.287 $\pm$ 0.044 χ^2 /NDF: 1128783.9/17

Right Out: 173.928 $\pm$ 0.057 χ^2 /NDF: 4211385.1/18

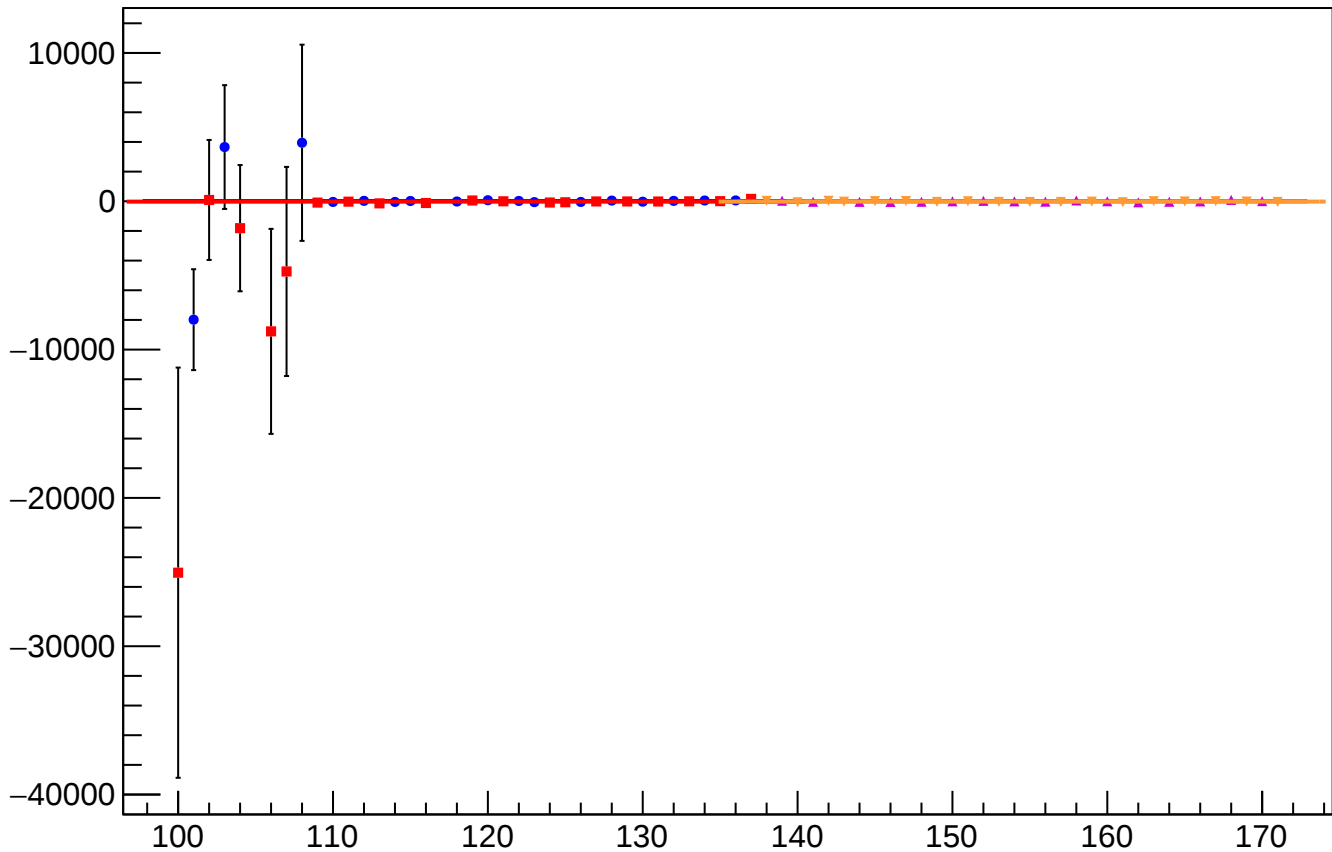
Left In: 185.920 $\pm$ 0.039 χ^2 /NDF: 1268373.9/15

+ sign 210.210 $\pm$ 0.036 χ^2 /NDF: 4831742.6/34

All: 194.754 $\pm$ 0.024 χ^2 /NDF: 10680361.1/69

- sign 182.109 $\pm$ 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: -21.720+/-8.581 χ^2/NDF : 12.1/17

Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

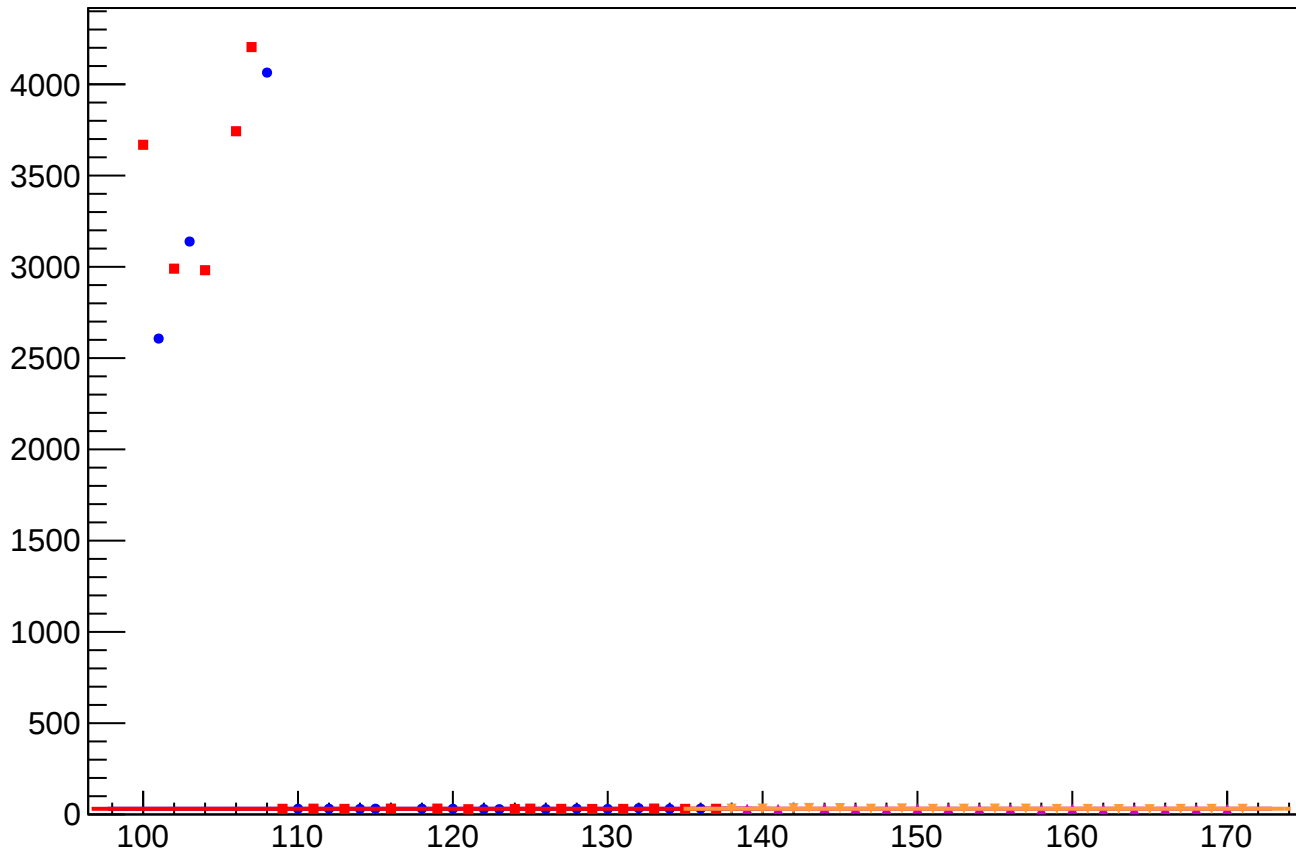
Left In: -2.647+/-8.896 χ^2/NDF : 21.9/15

+ sign -11.533+/-7.260 χ^2/NDF : 32.2/34

All: -10.214+/-5.201 χ^2/NDF : 83.3/69

- 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: 31.421 $\pm$ 0.006 χ^2 /NDF: 73228.1/17

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

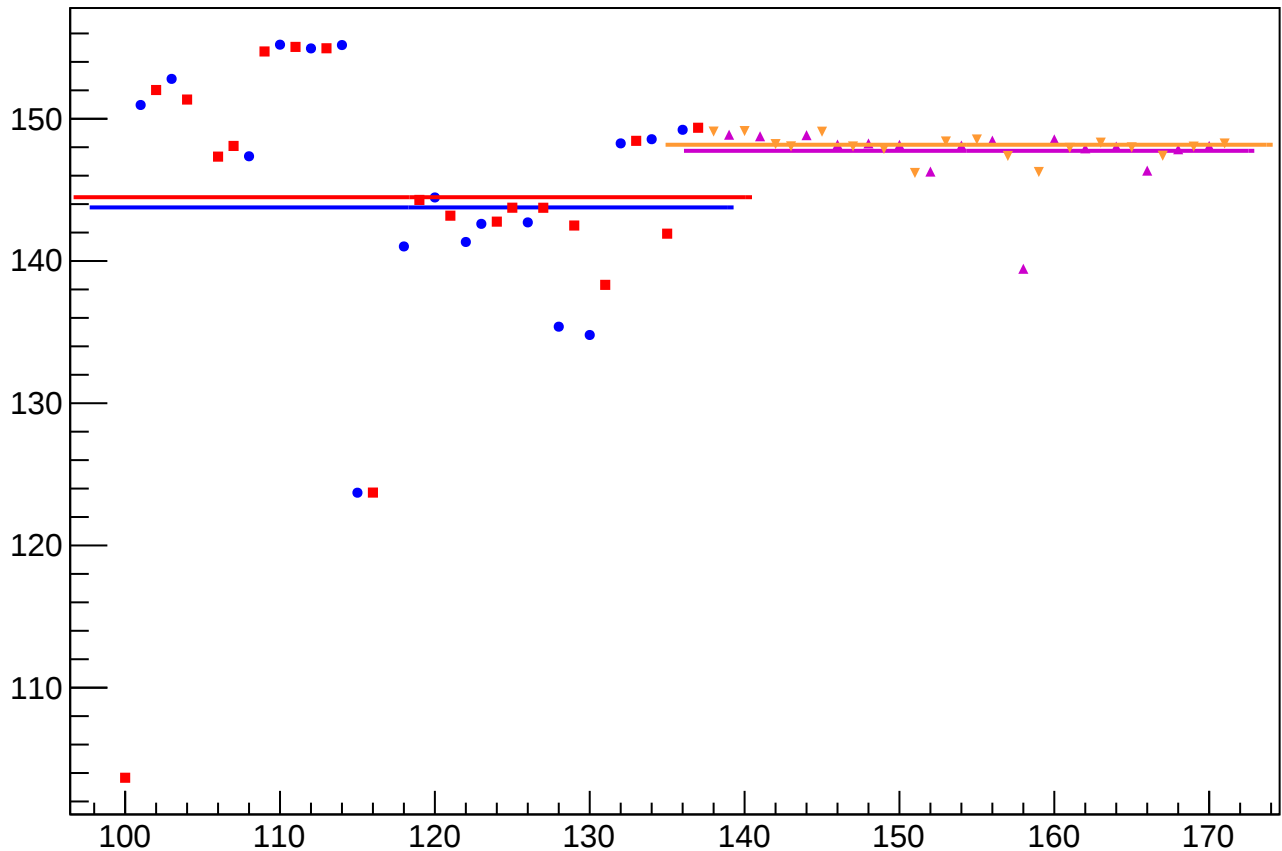
Left In: 31.326 $\pm$ 0.006 χ^2 /NDF: 80927.1/15

+ sign 31.337 $\pm$ 0.005 χ^2 /NDF: 3088322.4/34

All: 31.279 $\pm$ 0.004 χ^2 /NDF: 6629449.2/69

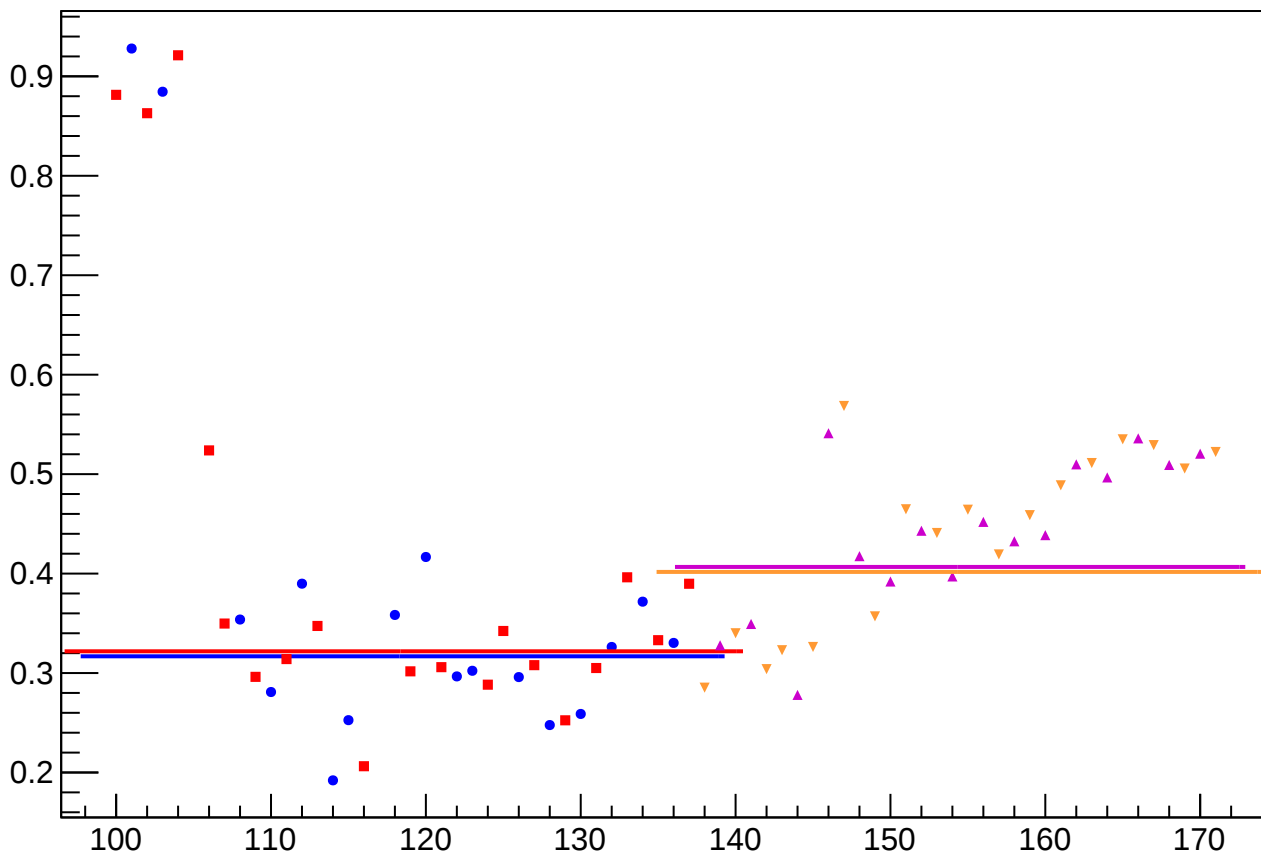
- sign 31.218 $\pm$ 0.005 χ^2 /NDF: 3540862.9/34

yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000	χ^2 /NDF: 3532173868.5/16	+ sign 146.322 $\pm$ 0.000	χ^2 /NDF: 4210976110.7/34
Left Out: 148.175 $\pm$ 0.000	χ^2 /NDF: 52525620.9/17	All: 146.306 $\pm$ 0.000	χ^2 /NDF: 9052024886.7
Right Out: 144.486 $\pm$ 0.000	χ^2 /NDF: 4183608291.3/18	- sign 146.290 $\pm$ 0.000	χ^2 /NDF: 4840982737.0/34
Left In: 147.747 $\pm$ 0.000	χ^2 /NDF: 324424289.3/15		

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.402 ± 0.000 χ^2/NDF : 1196937.6/17

Right Out: 0.322 ± 0.000 χ^2/NDF : 1217762.5/18

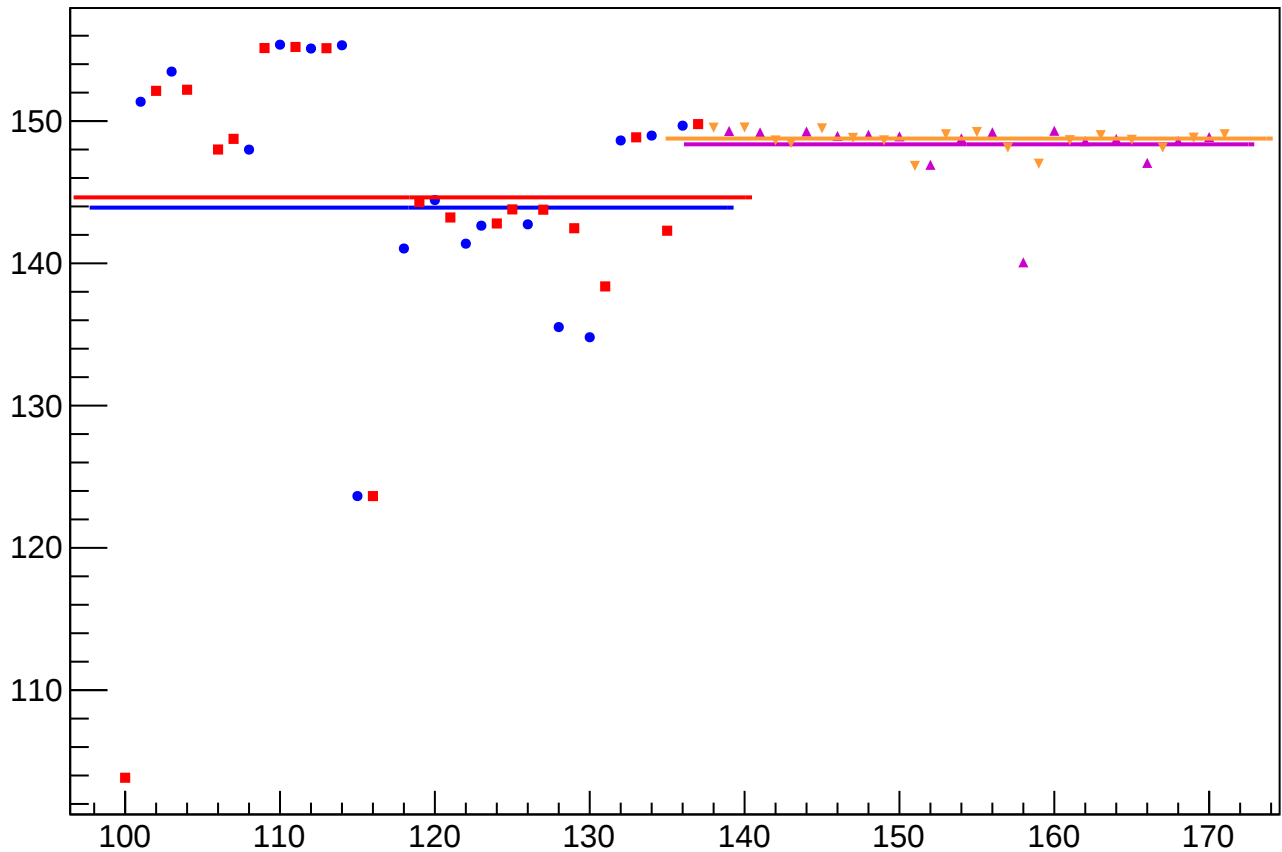
Left In: 0.407 ± 0.000 χ^2/NDF : 919258.7/15

+ sign 0.366 ± 0.000 χ^2/NDF : 2940082.8/34

All: 0.367 ± 0.000 χ^2/NDF : 5528637.3/69

- sign 0.369 ± 0.000 χ^2/NDF : 2587539.1/34

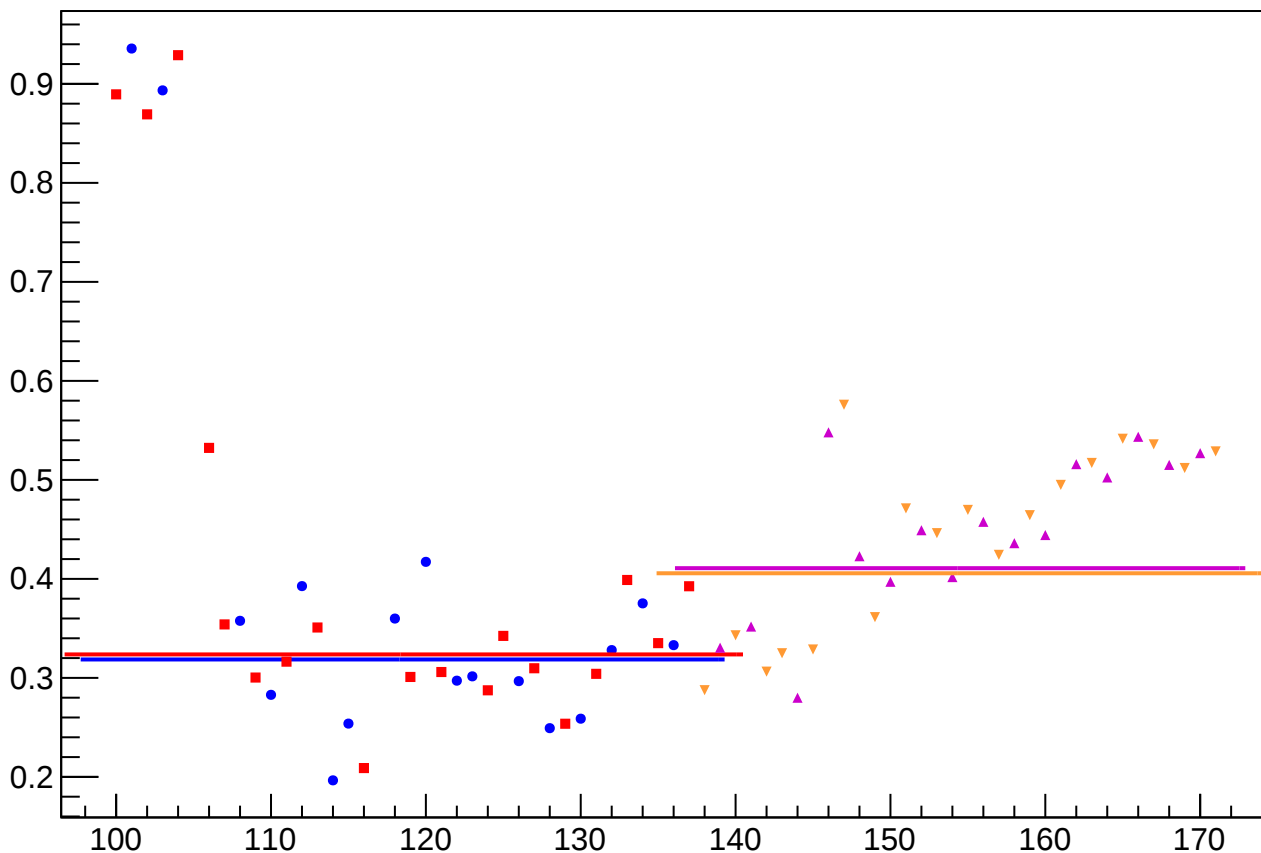
yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16
 Left Out: 148.771 $\pm$ 0.000 χ^2 /NDF: 41226145.3/17
 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 146.719 $\pm$ 0.000 χ^2 /NDF: 4374416356.7/34
 All: 146.705 $\pm$ 0.000 χ^2 /NDF: 9327317240.7
 - sign 146.691 $\pm$ 0.000 χ^2 /NDF: 4952851813.1/34

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1280748.9/16

Left Out: 0.406 $\pm$ 0.000 χ^2 /NDF:1218895.3/17

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1220898.3/18

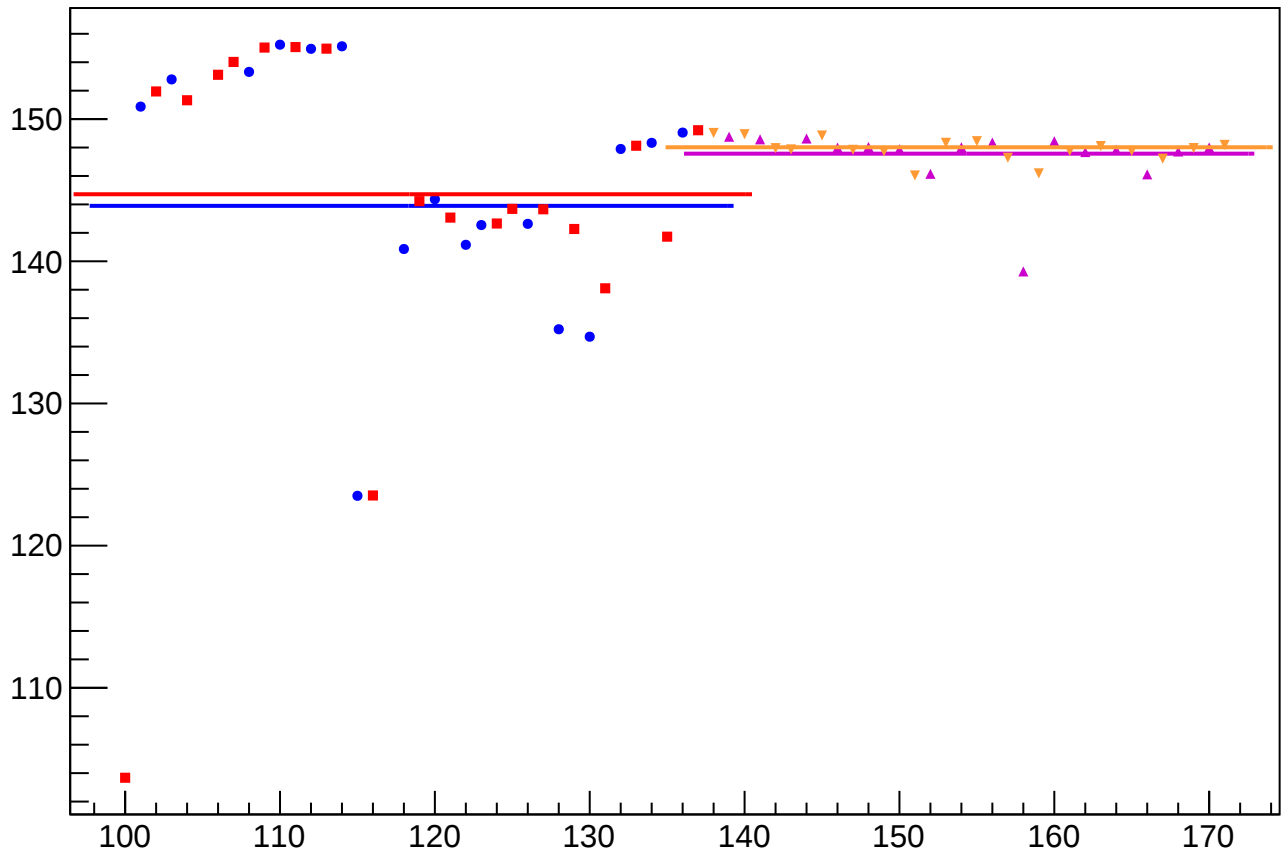
Left In: 0.411 $\pm$ 0.000 χ^2 /NDF:937684.8/15

+ sign 0.369 $\pm$ 0.000 χ^2 /NDF: 2981295.0/34

All: 0.370 $\pm$ 0.000 χ^2 /NDF: 5608641.5/69

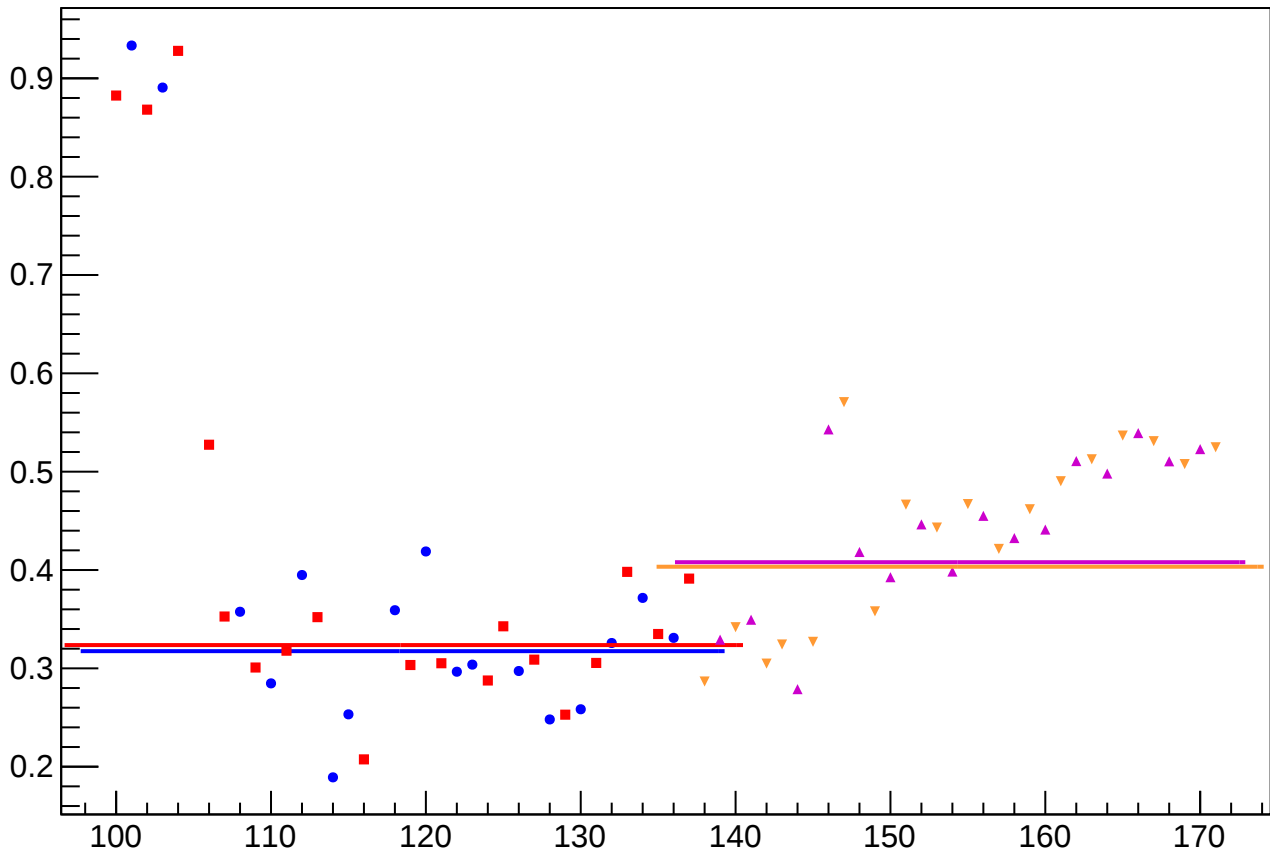
- sign 0.372 $\pm$ 0.000 χ^2 /NDF: 2626319.4/34

yield_bcm_an_us_mean vs Slug



Right In: 143.899+/-0.000	χ^2/NDF : 3749888331.0/16	+ sign 146.284+/-0.000	χ^2/NDF : 4344842146.4/34
Left Out: 148.019+/-0.000	χ^2/NDF : 51014332.3/17	All: 146.291+/-0.000	χ^2/NDF : 9395638549.3
Right Out: 144.715+/-0.000	χ^2/NDF : 4474458988.7/18	- sign 146.298+/-0.000	χ^2/NDF : 5050784955.5/34
Left In: 147.570+/-0.000	χ^2/NDF : 323517529.7/15		

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1293179.2/16

Left Out: 0.403 $\pm$ 0.000 χ^2 /NDF: 1198261.8/17

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1221676.7/18

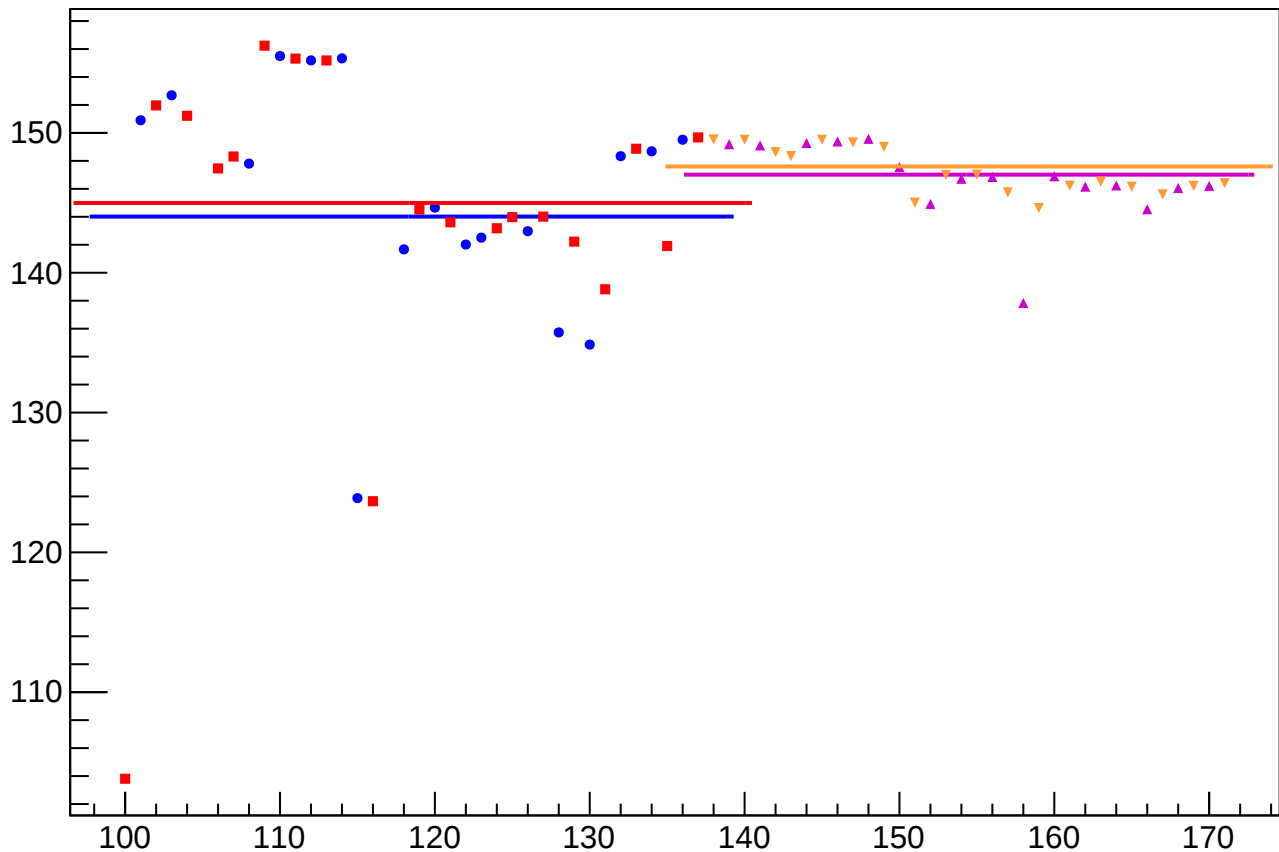
Left In: 0.408 $\pm$ 0.000 χ^2 /NDF: 924378.2/15

+ sign 0.367 $\pm$ 0.000 χ^2 /NDF: 2963531.0/34

All: 0.369 $\pm$ 0.000 χ^2 /NDF: 5551616.8/69

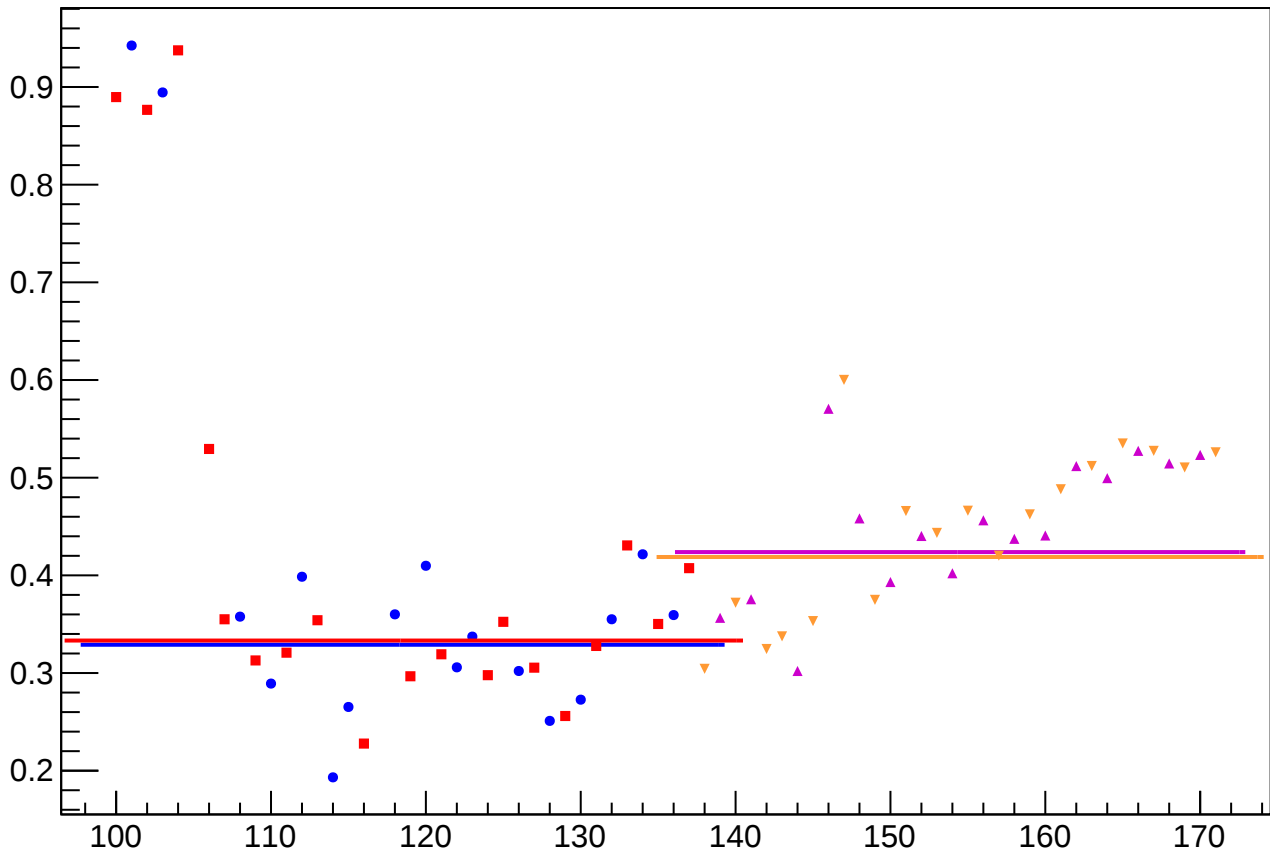
- sign 0.370 $\pm$ 0.000 χ^2 /NDF: 2586772.0/34

yield_bcm_dg_us_mean vs Slug



Right In: 144.018+/-0.000	χ^2/NDF : 3238525527.6/16	+ sign 146.098+/-0.000	χ^2/NDF : 3821697344.2/34
Left Out: 147.602+/-0.000	χ^2/NDF : 200034943.5/17	All: 146.103+/-0.000	χ^2/NDF : 8297365160.9
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 $\pm$ 0.000 χ^2 /NDF: 1276118.3/16

Left Out: 0.419 $\pm$ 0.000 χ^2 /NDF: 932174.8/17

Right Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 1182496.7/18

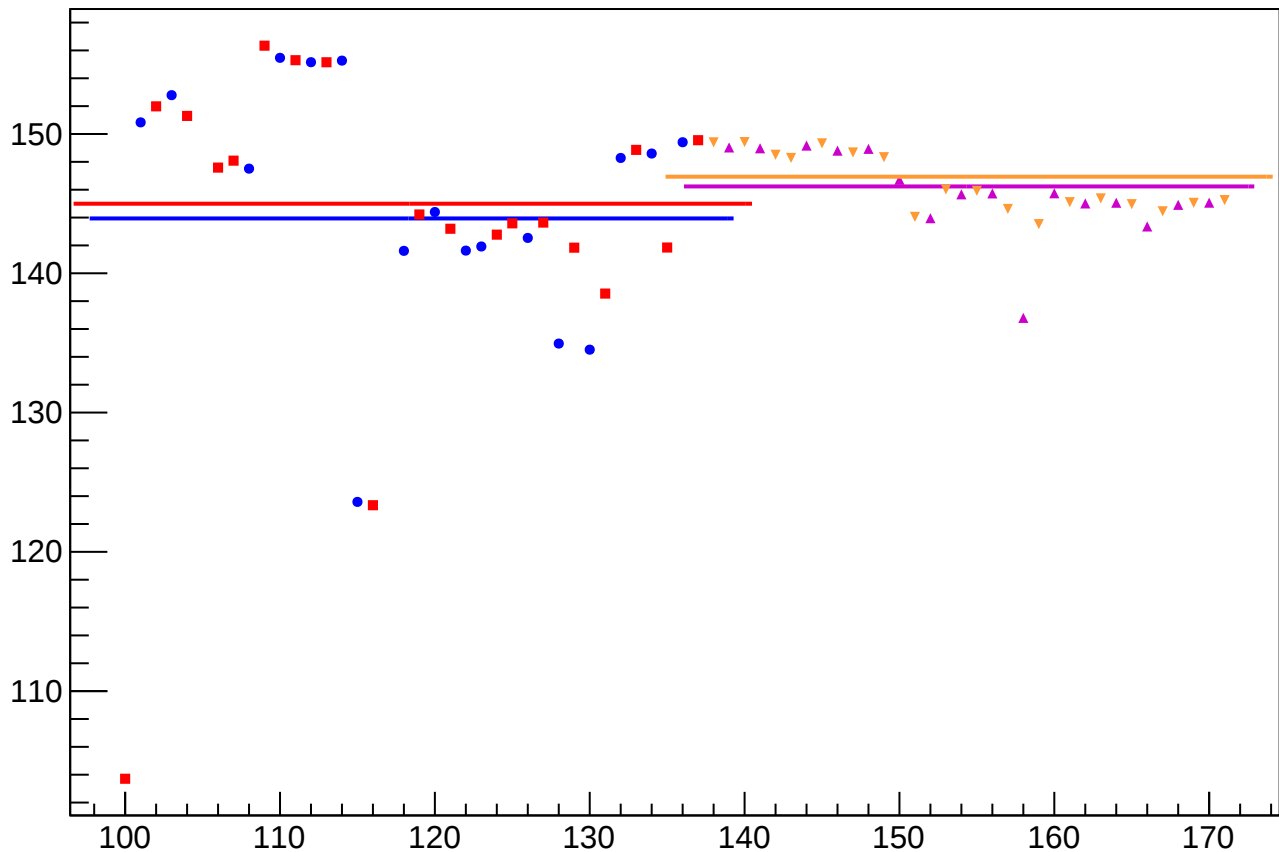
Left In: 0.424 $\pm$ 0.000 χ^2 /NDF: 700011.0/15

+ sign 0.381 $\pm$ 0.000 χ^2 /NDF: 2689524.4/34

All: 0.382 $\pm$ 0.000 χ^2 /NDF: 5050292.9/69

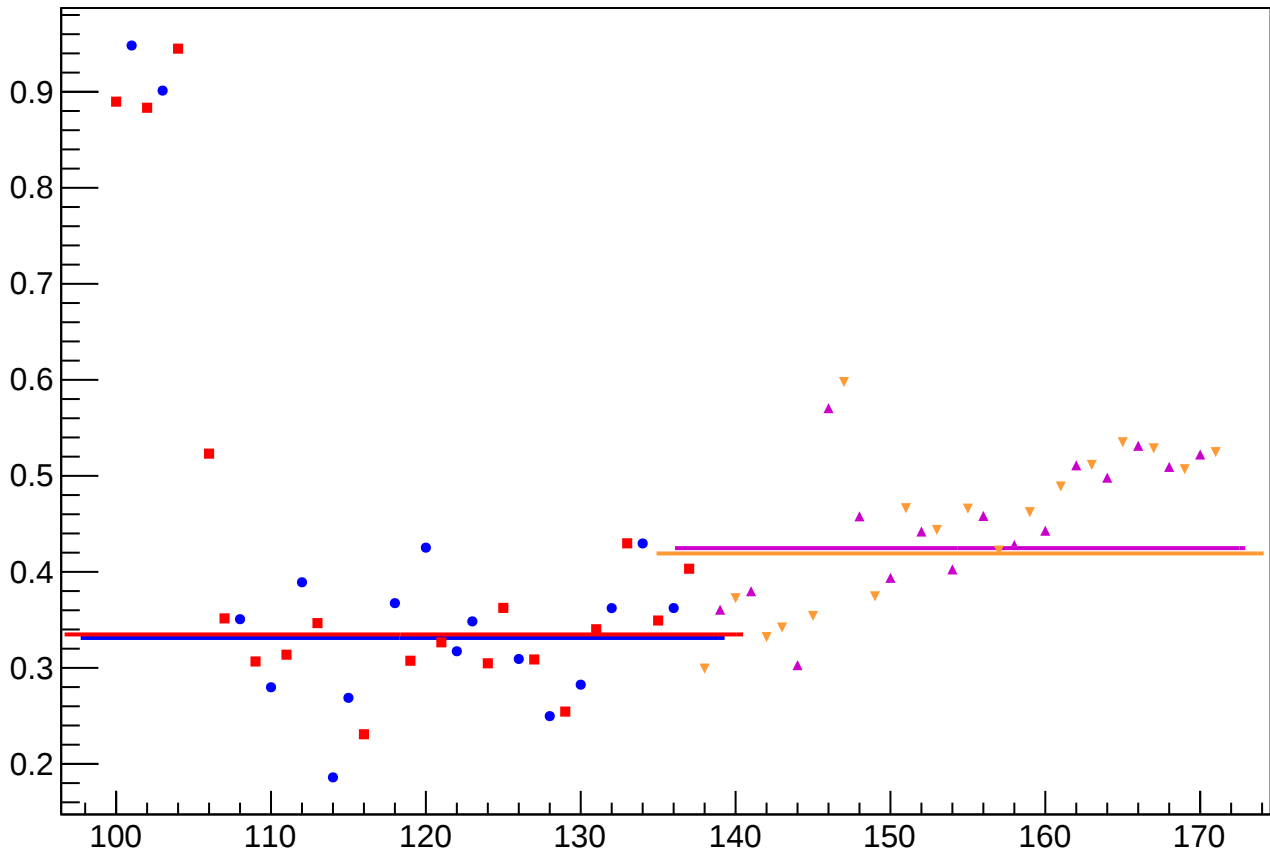
- sign 0.383 $\pm$ 0.000 χ^2 /NDF: 2360188.2/34

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000	χ^2 /NDF: 3379203532.9/16	+ sign 145.687 $\pm$ 0.000	χ^2 /NDF: 3954588888.8/34
Left Out: 146.935 $\pm$ 0.000	χ^2 /NDF: 310380896.0/17	All: 145.684 $\pm$ 0.000	χ^2 /NDF: 8554853195.4
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: 0.419 ± 0.000 χ^2/NDF : 925151.2/17

Right Out: 0.335 ± 0.000 χ^2/NDF : 1172239.8/18

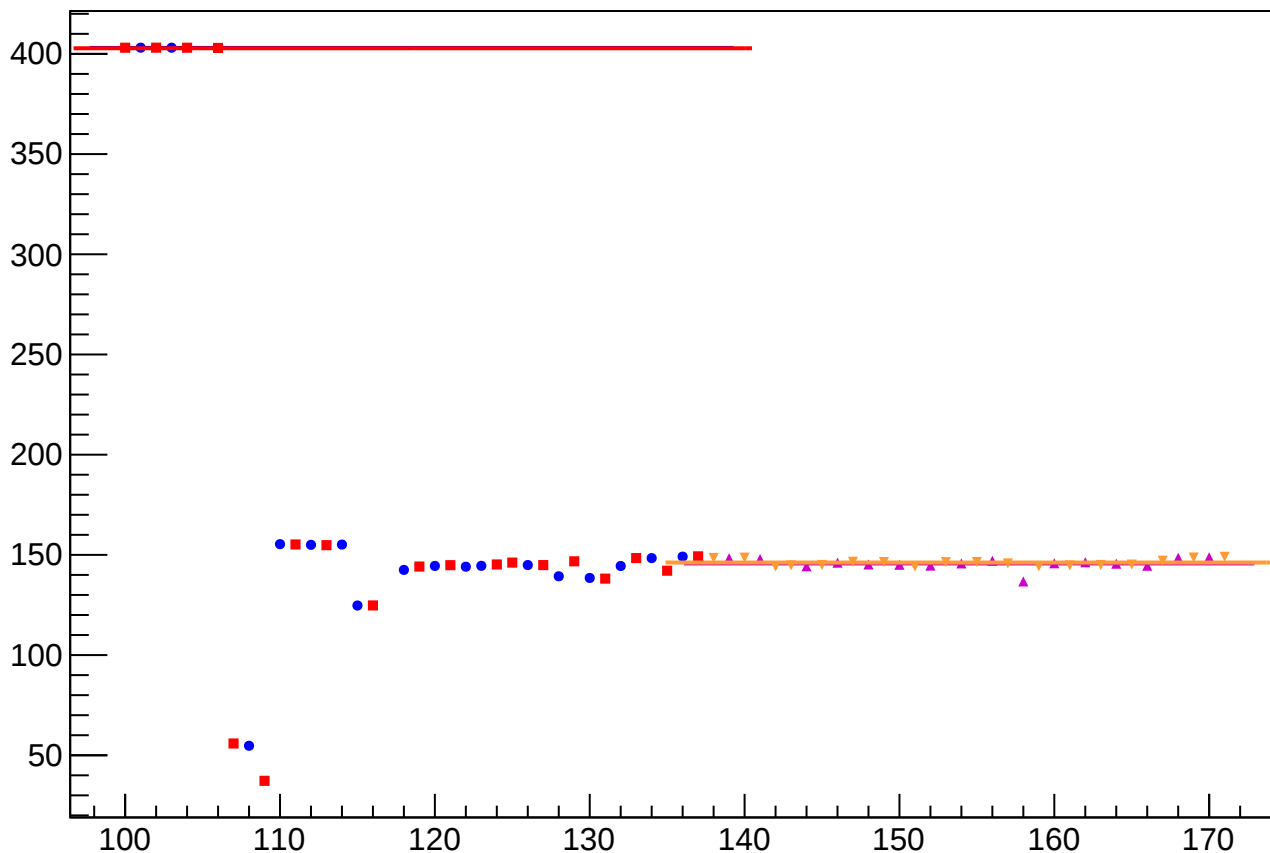
Left In: 0.425 ± 0.000 χ^2/NDF : 676008.7/15

+ sign 0.383 ± 0.000 χ^2/NDF : 2677728.5/34

All: 0.384 ± 0.000 χ^2/NDF : 4993254.2/69

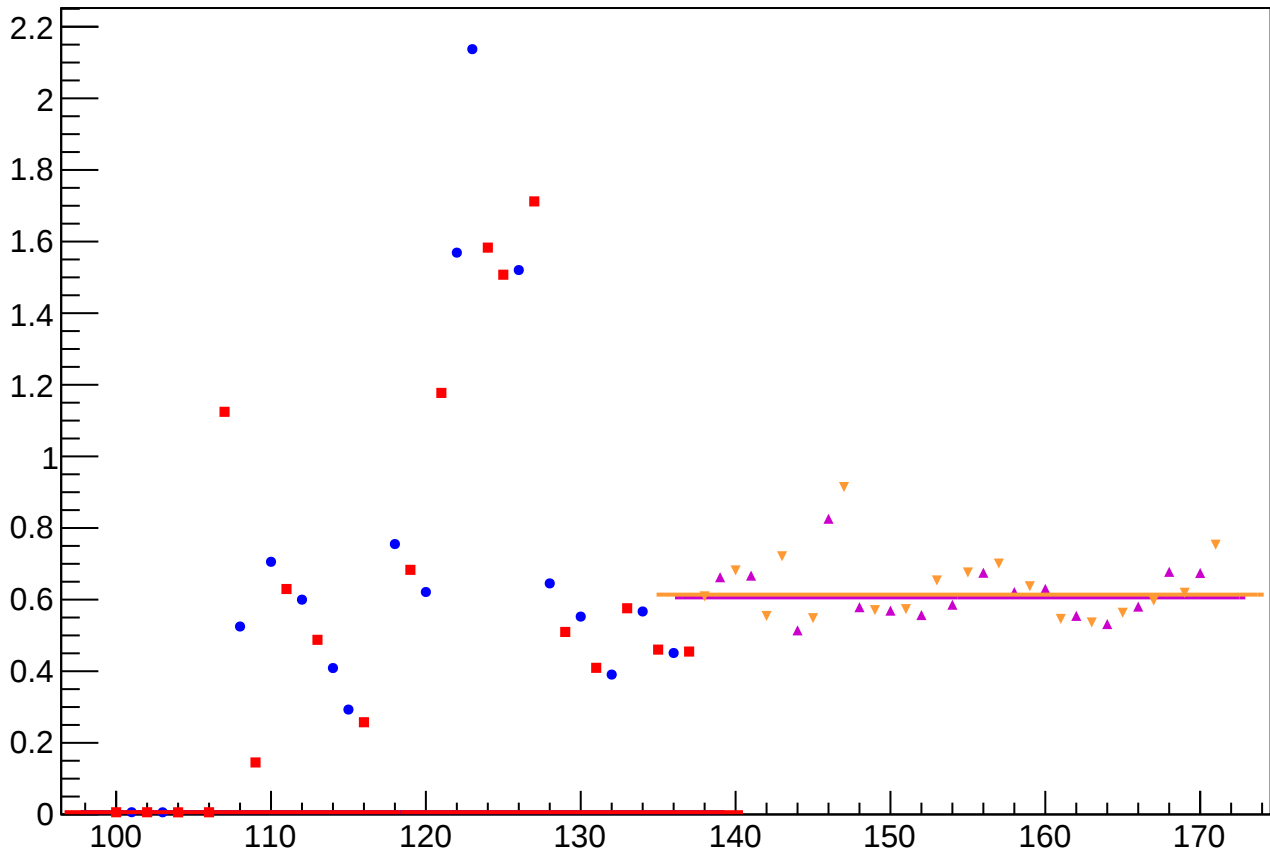
- sign 0.385 ± 0.000 χ^2/NDF : 2315016.7/34

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16
 Left Out: 146.184+/-0.000 χ^2/NDF : 70658447.1/17
 Right Out: 402.799+/-0.000 χ^2/NDF : 3103890772575.4/18
 Left In: 145.726+/-0.000 χ^2/NDF : 164804181.5/15

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.614+/-0.000 χ^2/NDF :309787.5/17

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

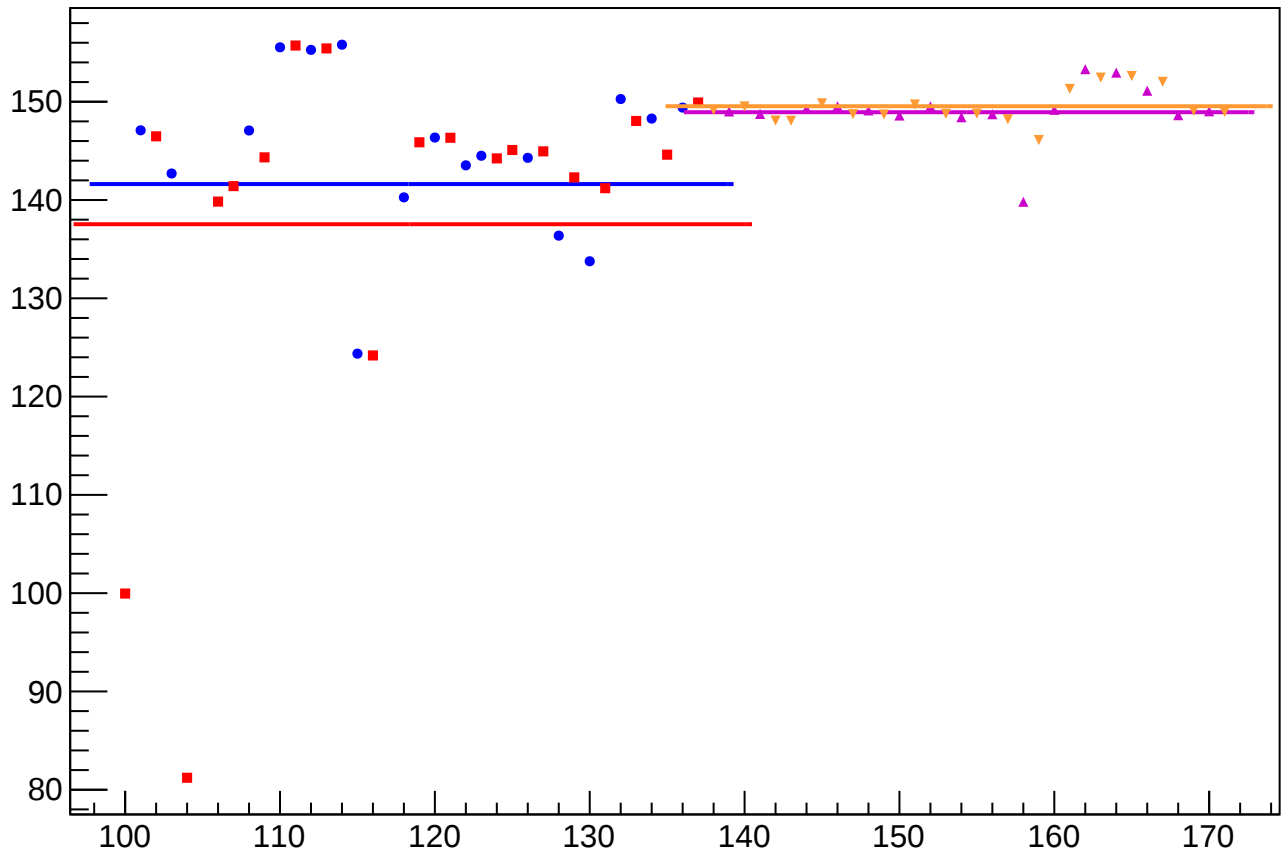
Left In: 0.606+/-0.000 χ^2/NDF :226629.7/15

+ sign 0.007+/-0.000 χ^2/NDF : 29026481.2/34

All: 0.007+/-0.000 χ^2/NDF : 56500498.1/69

- sign 0.007+/-0.000 χ^2/NDF : 27473674.9/34

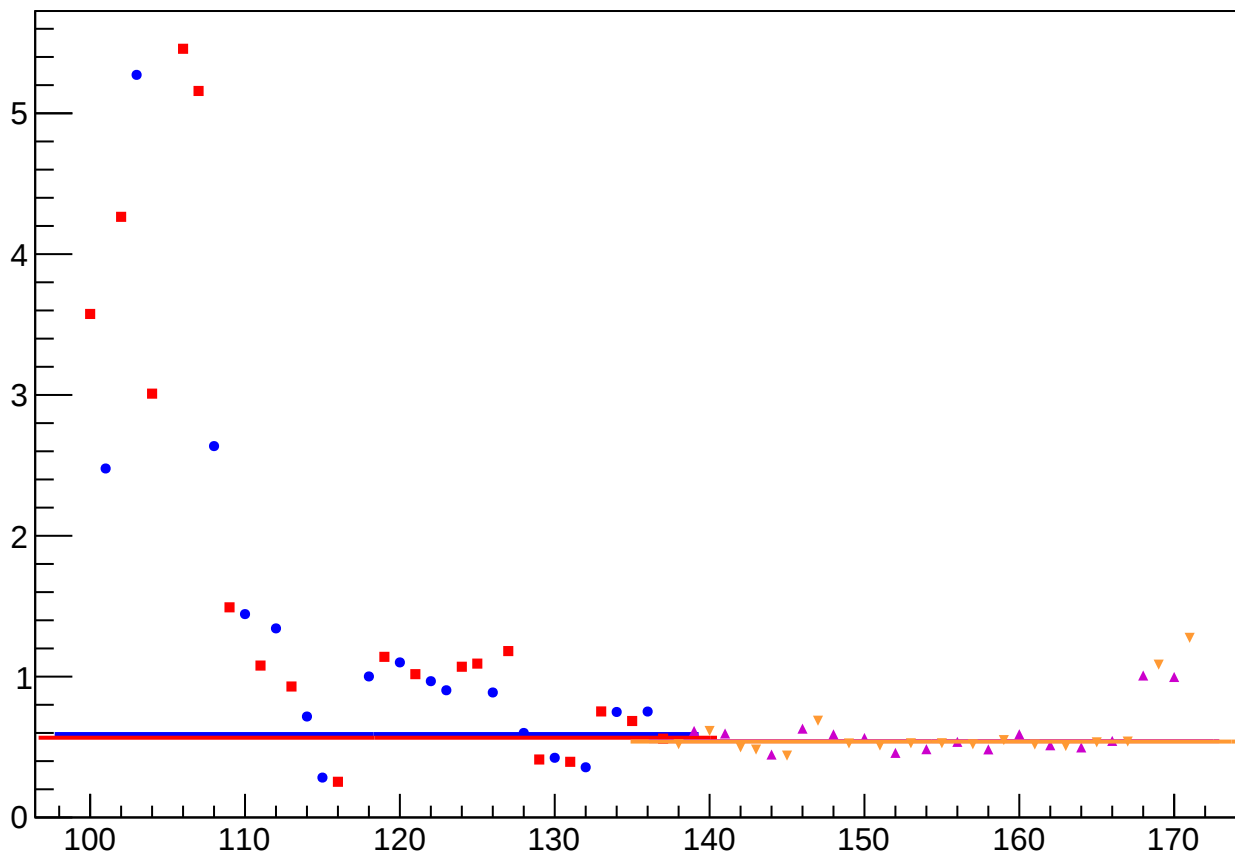
yield_cav4cQ_mean vs Slug



Right In: 141.622 ± 0.000 χ^2/NDF : 982037737.7/16
 Left Out: 149.542 ± 0.000 χ^2/NDF : 119299130.1/17
 Right Out: 137.536 ± 0.000 χ^2/NDF : 1315768553.6/18
 Left In: 148.934 ± 0.000 χ^2/NDF : 363128035.5/15

+ sign 147.925 ± 0.000 χ^2/NDF : 1606513781.0/34
 All: 147.161 ± 0.000 χ^2/NDF : 4412331282.3
 - sign 146.354 ± 0.000 χ^2/NDF : 2746338080.0/34

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.539 $\pm$ 0.000 χ^2 /NDF:1026531.0/17

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4682140.9/18

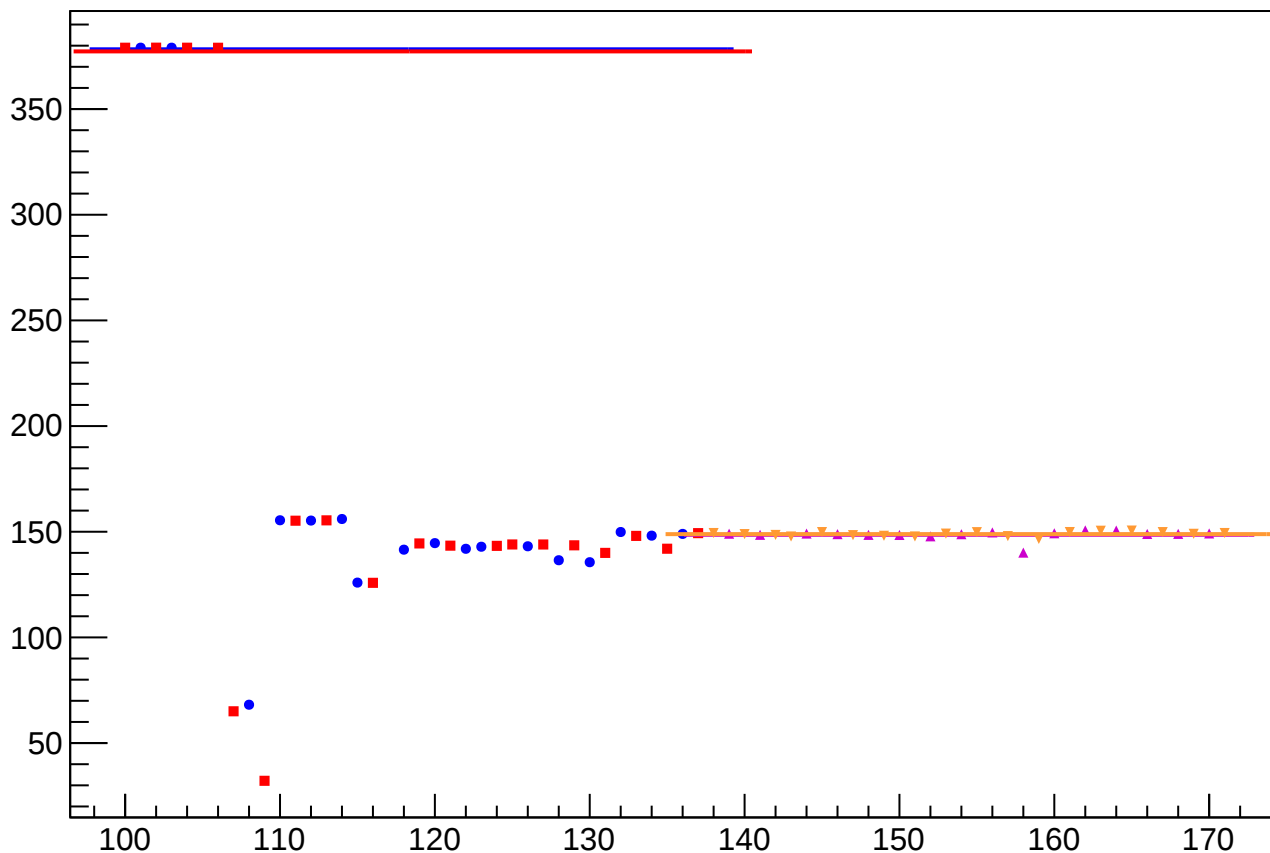
Left In: 0.542 $\pm$ 0.000 χ^2 /NDF:832479.5/15

+ sign 0.550 $\pm$ 0.000 χ^2 /NDF: 4594120.0/34

All: 0.549 $\pm$ 0.000 χ^2 /NDF: 10118787.0/69

- 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: 148.863+/-0.000 χ^2/NDF : 60619913.3/17

Right Out: 377.289+/-0.000 χ^2/NDF : 8279468194444.1/18

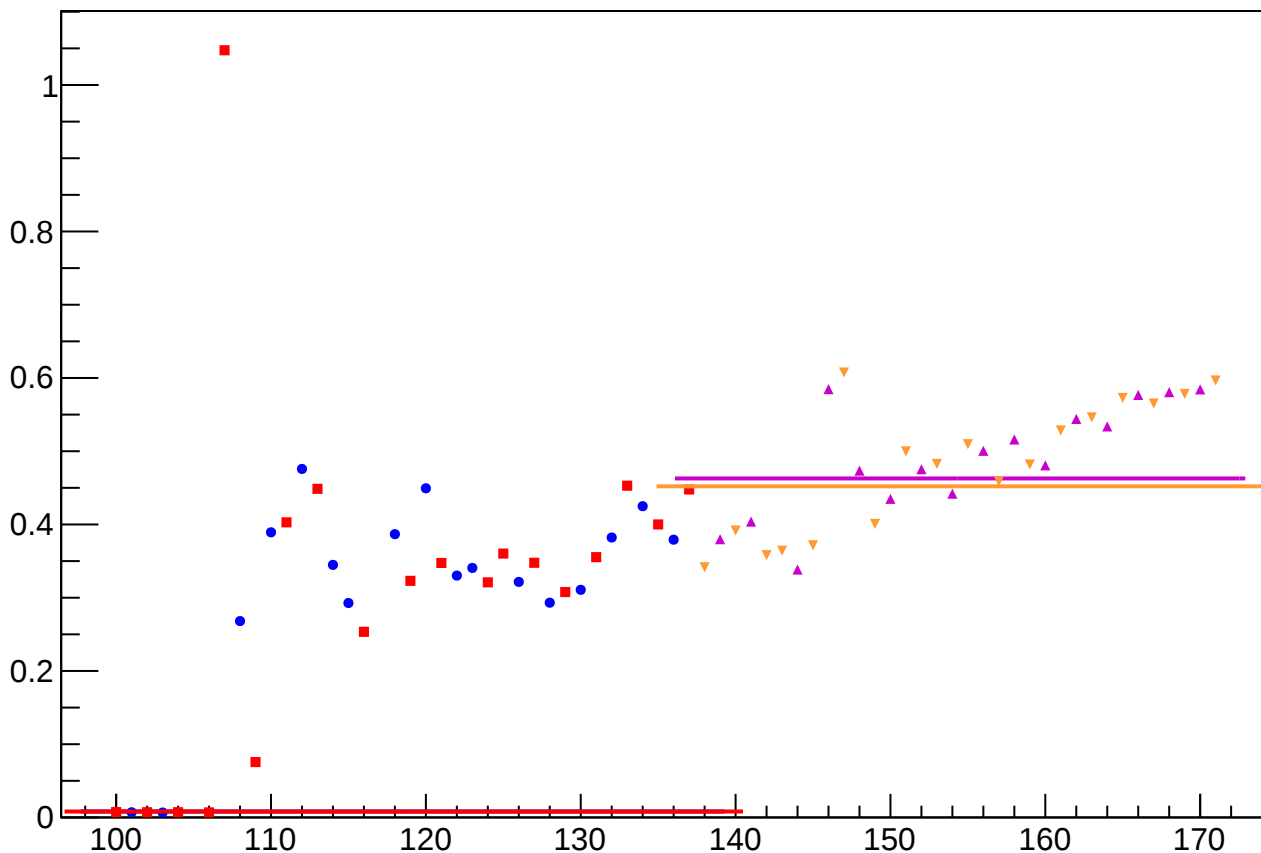
Left In: 148.559+/-0.000 χ^2/NDF : 234387968.0/15

+ sign 377.227+/-0.000 χ^2/NDF : 5734469163115.9

All: 376.821+/-0.000 χ^2/NDF : 168824320930

- 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: 0.452 ± 0.000 χ^2/NDF : 908474.4/17

Right Out: 0.008 ± 0.000 χ^2/NDF : 9535410.6/18

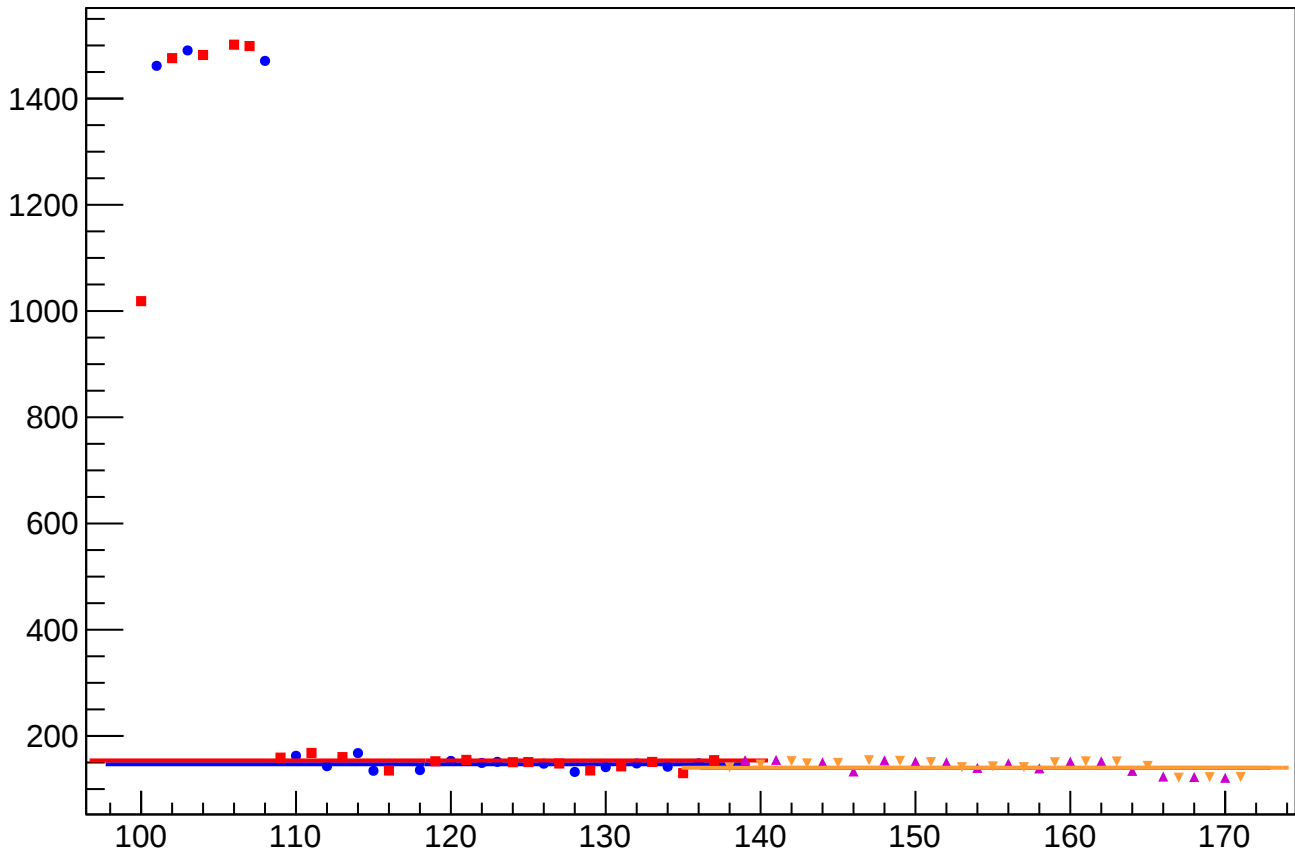
Left In: 0.463 ± 0.000 χ^2/NDF : 663186.4/15

+ sign 0.010 ± 0.000 χ^2/NDF : 34923580.4/34

All: 0.010 ± 0.000 χ^2/NDF : 67760676.3/69

- 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: 140.206 ± 0.000 χ^2/NDF : 2364814803.8/17

Right Out: 153.887 ± 0.000 χ^2/NDF : 33738118250.9/18

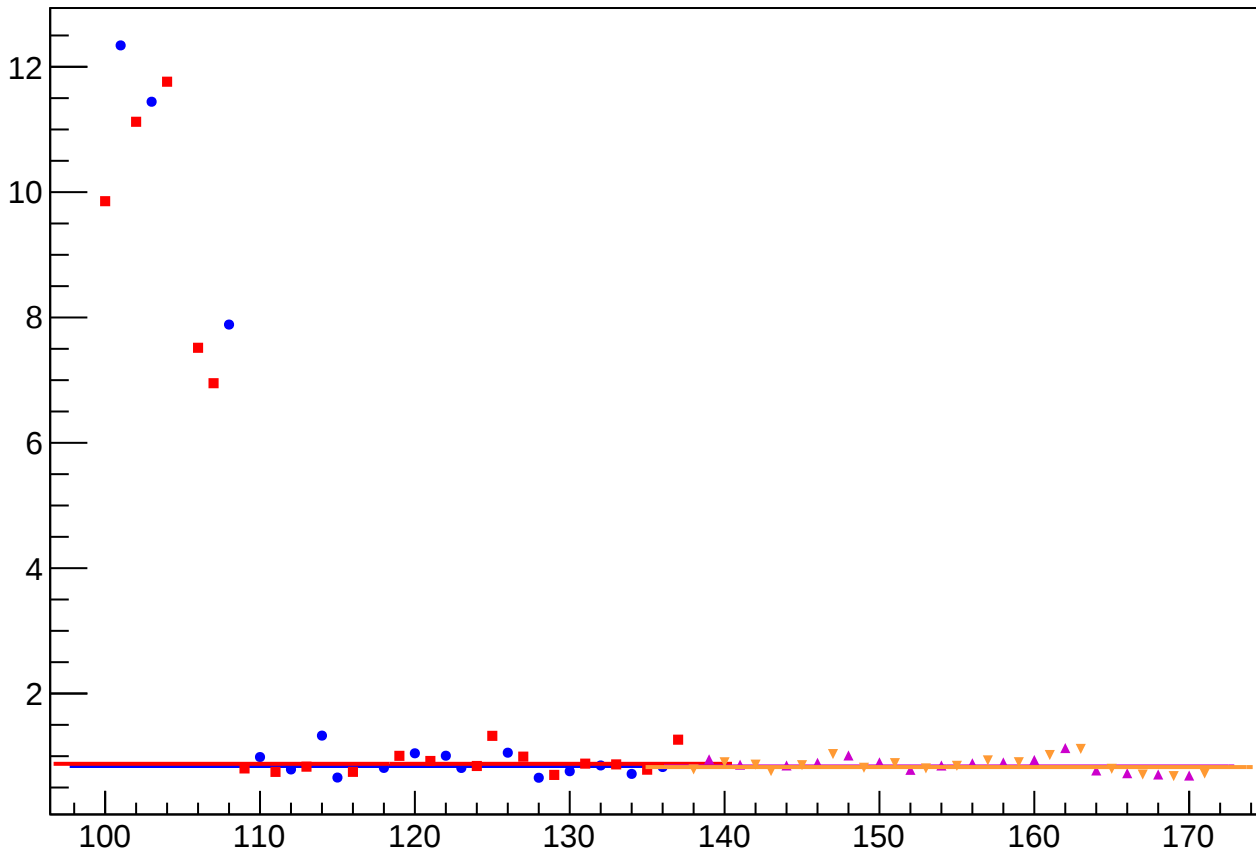
Left In: 139.847 ± 0.000 χ^2/NDF : 2391788219.6/15

+ sign 141.839 ± 0.000 χ^2/NDF : 26886133332.4/34

All: 142.678 ± 0.000 χ^2/NDF : 63813003602.0

- 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: 0.826 ± 0.000 χ^2/NDF : 384332.8/17

Right Out: 0.878 ± 0.000 χ^2/NDF : 2812500.6/18

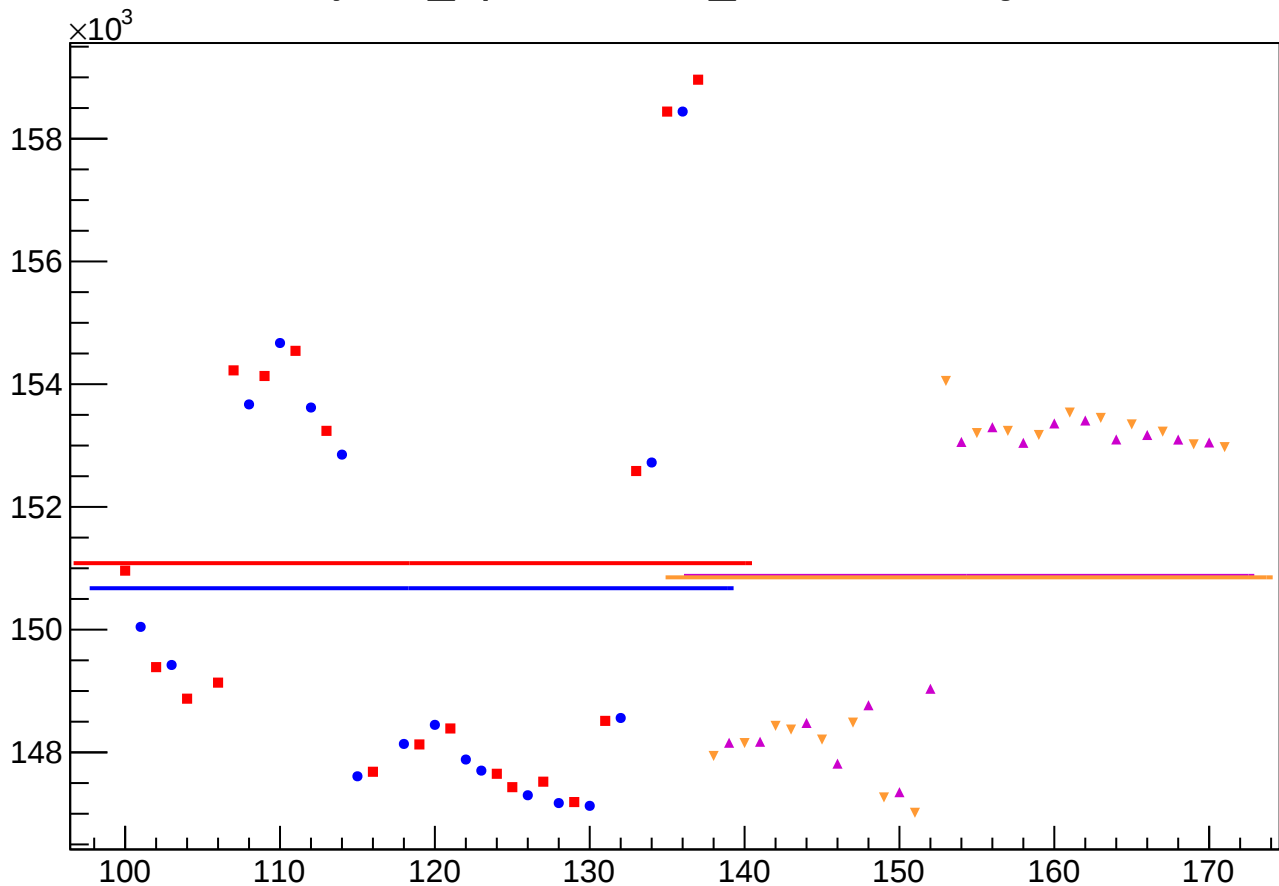
Left In: 0.837 ± 0.000 χ^2/NDF : 344249.8/15

+ sign 0.831 ± 0.000 χ^2/NDF : 3057239.2/34

All: 0.839 ± 0.000 χ^2/NDF : 6233489.0/69

- sign 0.848 ± 0.000 χ^2/NDF : 3169958.9/34

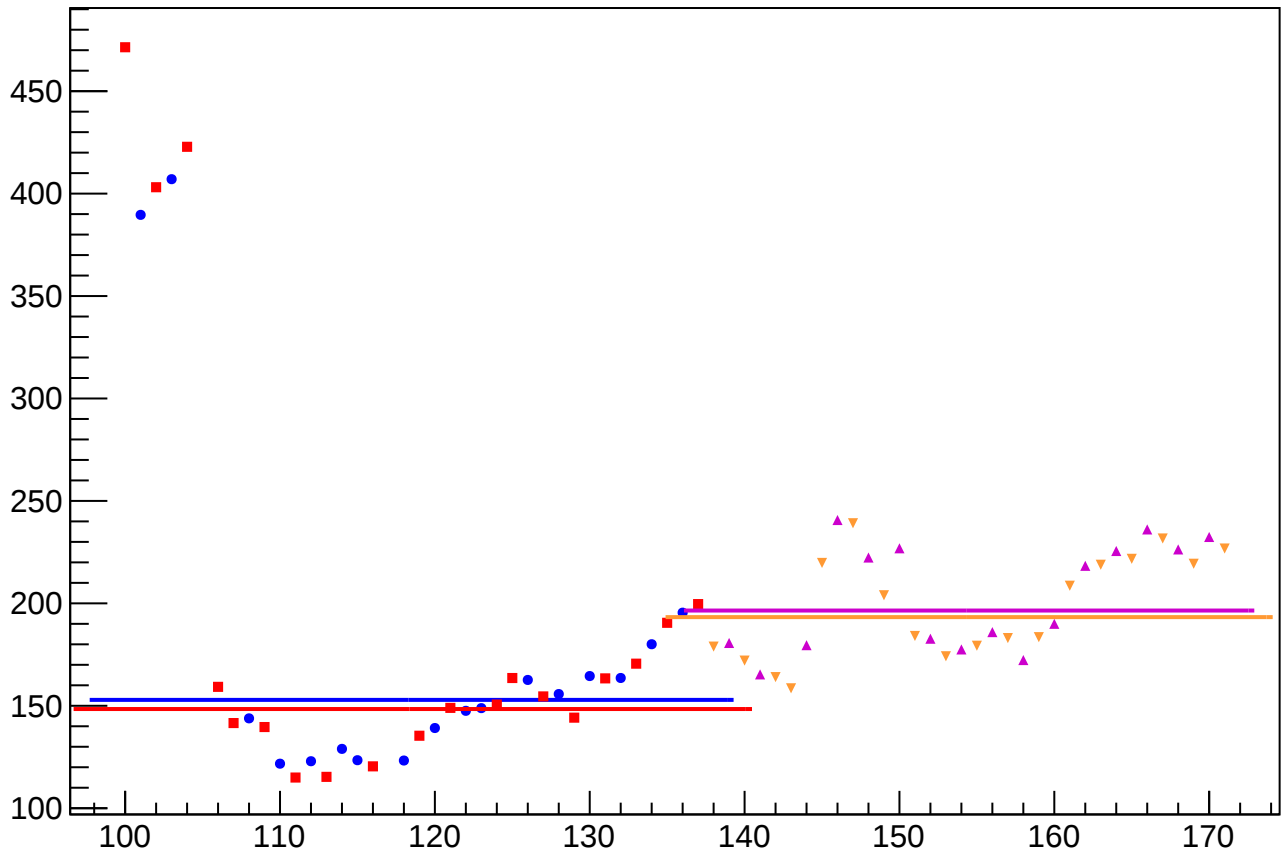
yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16
 Left Out: 150852.263 $\pm$ 0.053 χ^2 /NDF: 2607999356.7/17
 Right Out: 151083.268 $\pm$ 0.060 χ^2 /NDF: 3300830370.5/18
 Left In: 150876.329 $\pm$ 0.056 χ^2 /NDF: 1895676084.9/15

+ sign 150778.122 $\pm$ 0.041 χ^2 /NDF: 5922583700.4/17
 All: 150875.374 $\pm$ 0.029 χ^2 /NDF: 1113692370.5/17
 - sign 150973.961 $\pm$ 0.041 χ^2 /NDF: 5202854807.7/17

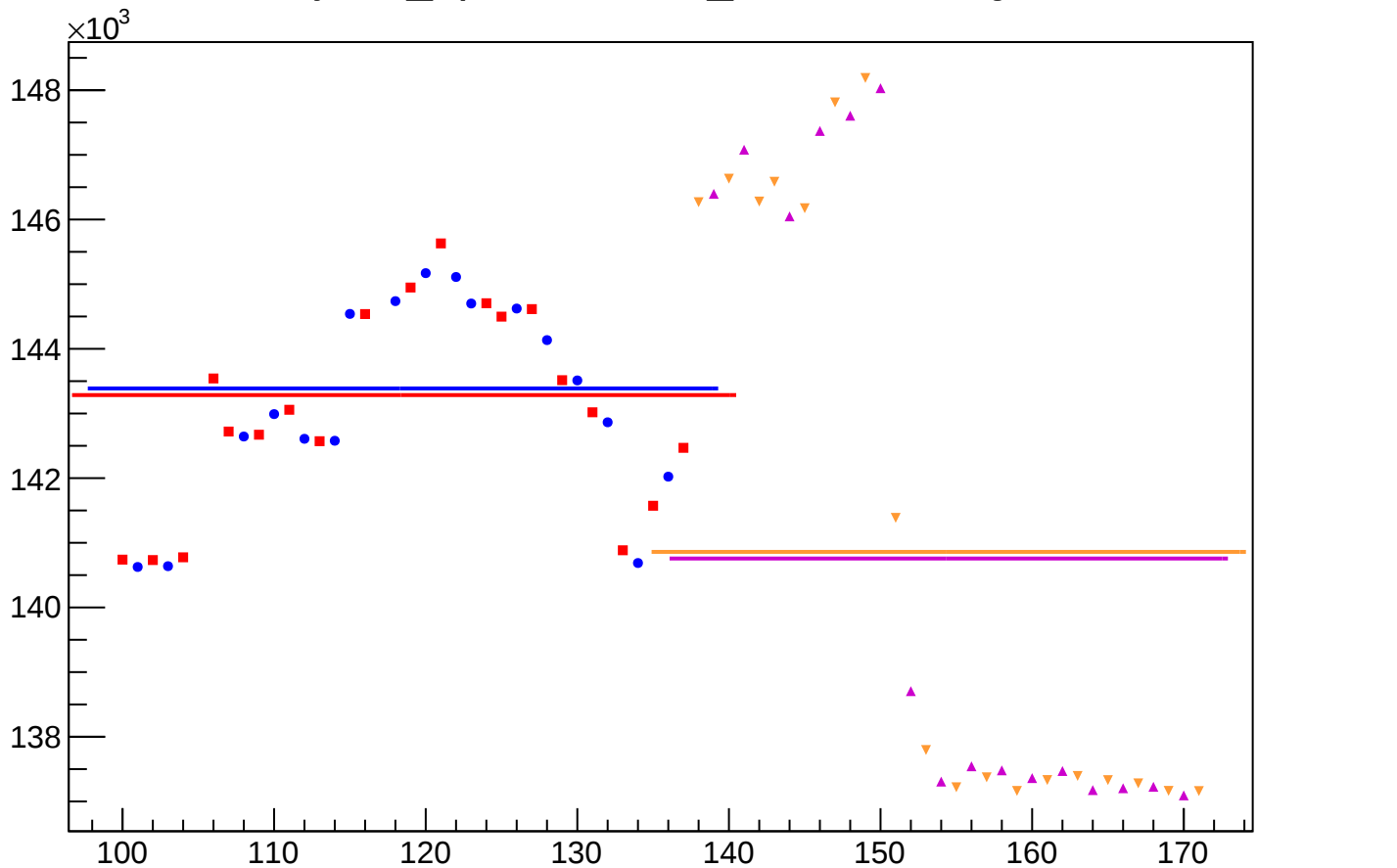
yield_bpm0i01WS_rms vs Slug



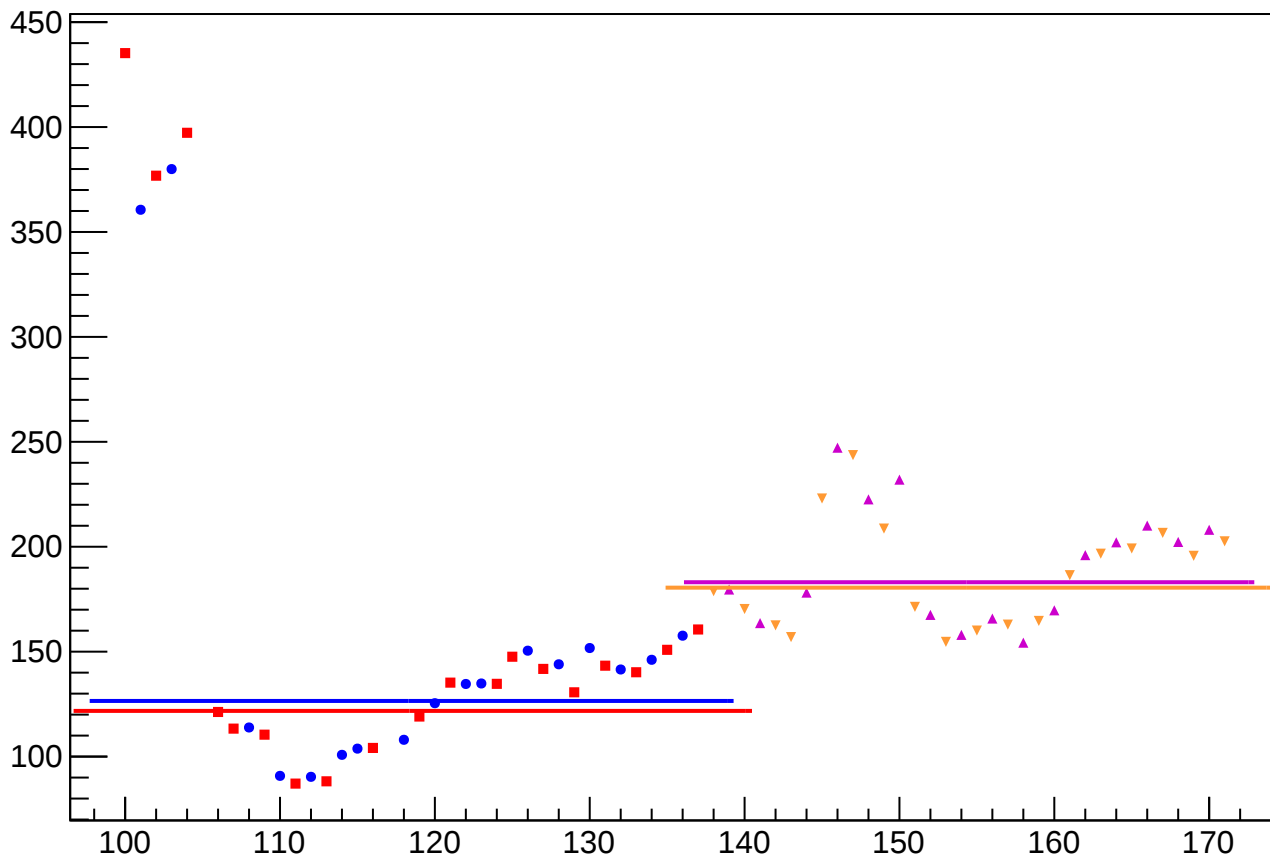
Right In: 152.883 ± 0.045 χ^2/NDF : 1154088.7/16
 Left Out: 193.275 ± 0.038 χ^2/NDF : 394882.2/17
 Right Out: 148.418 ± 0.042 χ^2/NDF : 1191577.6/18
 Left In: 196.495 ± 0.040 χ^2/NDF : 389266.8/15

+ sign 176.379 ± 0.029 χ^2/NDF : 2027773.3/34
 All: 175.104 ± 0.020 χ^2/NDF : 4297865.8/69
 - sign 173.813 ± 0.029 χ^2/NDF : 2266150.1/34

yield_bpm0i01aWS_mean vs Slug



yield_bpm0i01aWS_rms vs Slug



Right In: 126.514+/-0.037 χ^2/NDF : 1441685.0/16

Left Out: 180.502+/-0.035 χ^2/NDF : 415153.5/17

Right Out: 121.772+/-0.035 χ^2/NDF : 1463829.4/18

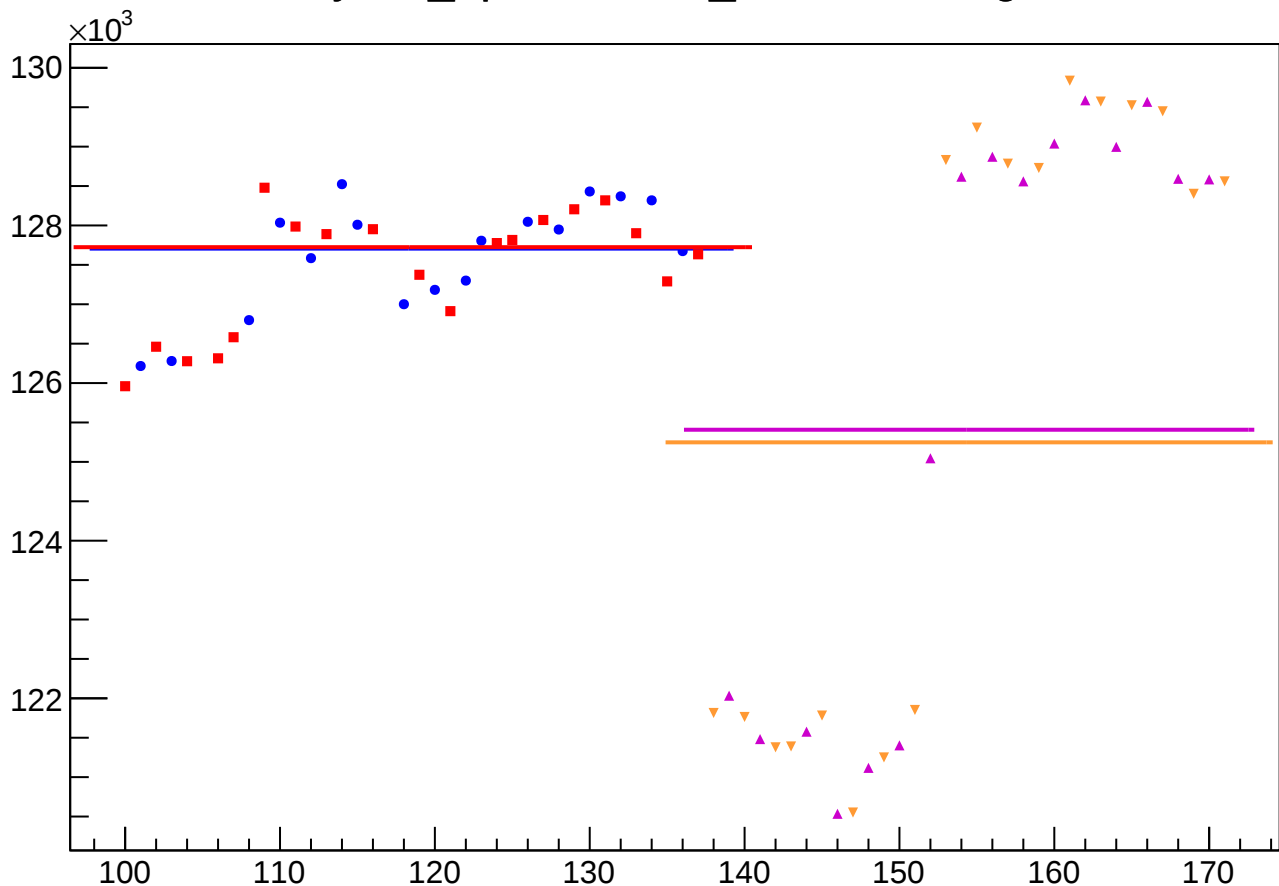
Left In: 183.089+/-0.037 χ^2/NDF : 468567.8/15

+ sign 154.980+/-0.026 χ^2/NDF : 2962523.4/34

All: 152.603+/-0.018 χ^2/NDF : 6361549.2/69

- sign 150.270+/-0.025 χ^2/NDF : 3381993.8/34

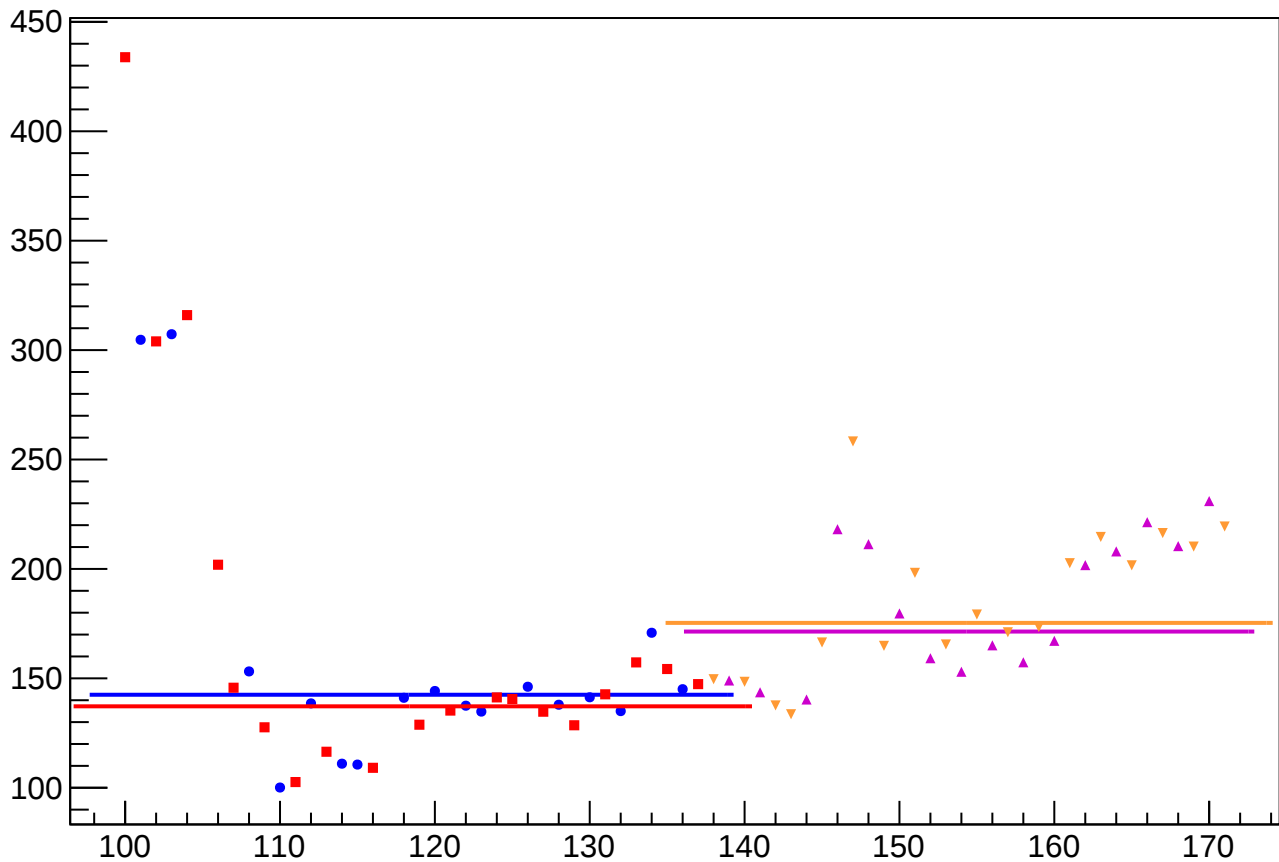
yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16
 Left Out: 125247.935 $\pm$ 0.049 χ^2 /NDF: 5905299632.1/17
 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 126273.224 $\pm$ 0.037 χ^2 /NDF: 7048172739.1
 All: 126368.382 $\pm$ 0.026 χ^2 /NDF: 132926440
 - sign 126459.765 $\pm$ 0.037 χ^2 /NDF: 6231845569.4/15

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 175.343 $\pm$ 0.035 χ^2 /NDF: 736124.9/17

Right Out: 137.211 $\pm$ 0.039 χ^2 /NDF: 957317.1/18

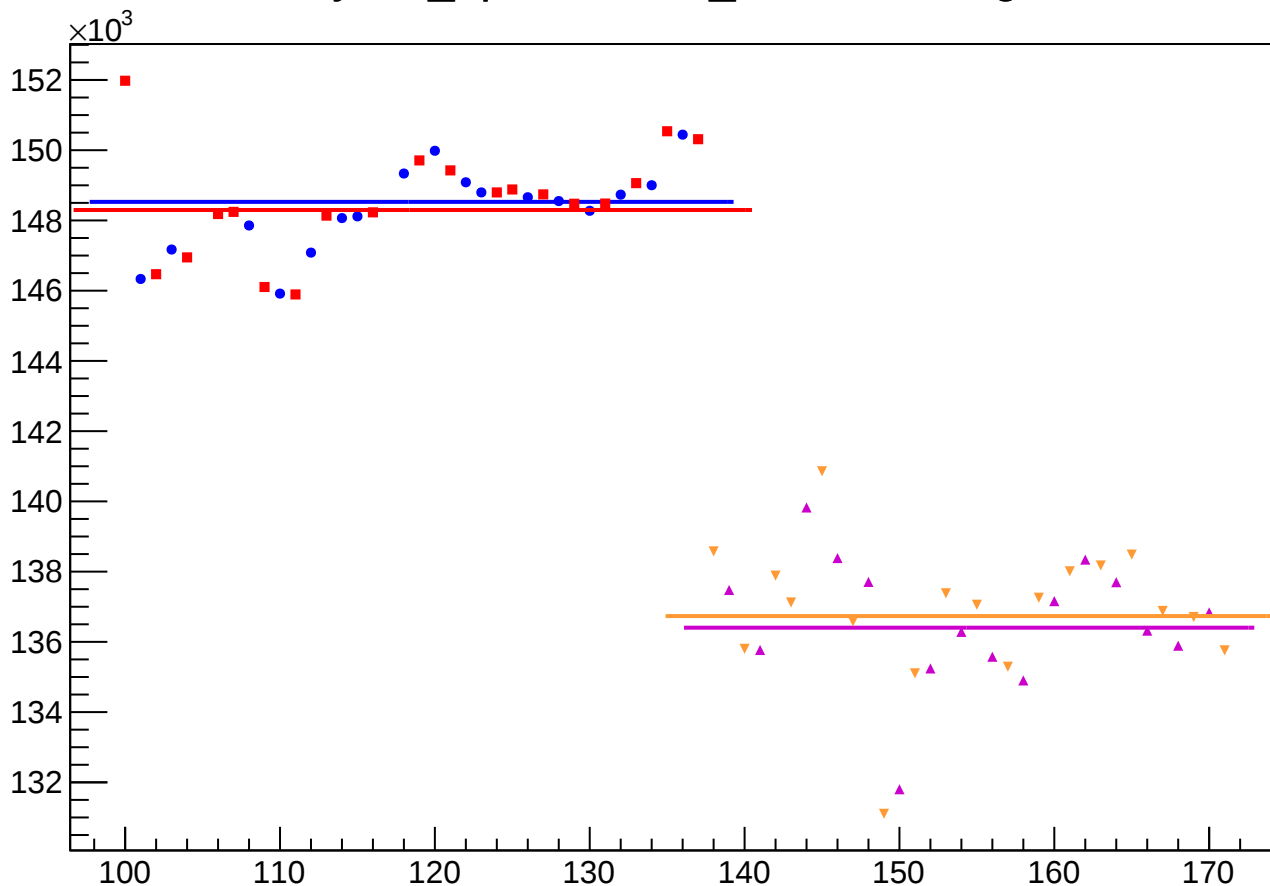
Left In: 171.378 $\pm$ 0.035 χ^2 /NDF: 641798.2/15

+ sign 161.646 $\pm$ 0.027 χ^2 /NDF: 1945416.1/34

All: 158.696 $\pm$ 0.019 χ^2 /NDF: 3997459.5/69

- sign 155.863 $\pm$ 0.026 χ^2 /NDF: 2027775.0/34

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 $\pm$ 0.082 χ^2 /NDF: 209986594.2/16

Left Out: 136734.786 $\pm$ 0.072 χ^2 /NDF: 837886705.8/17

Right Out: 148297.126 $\pm$ 0.076 χ^2 /NDF: 293244556.5/18

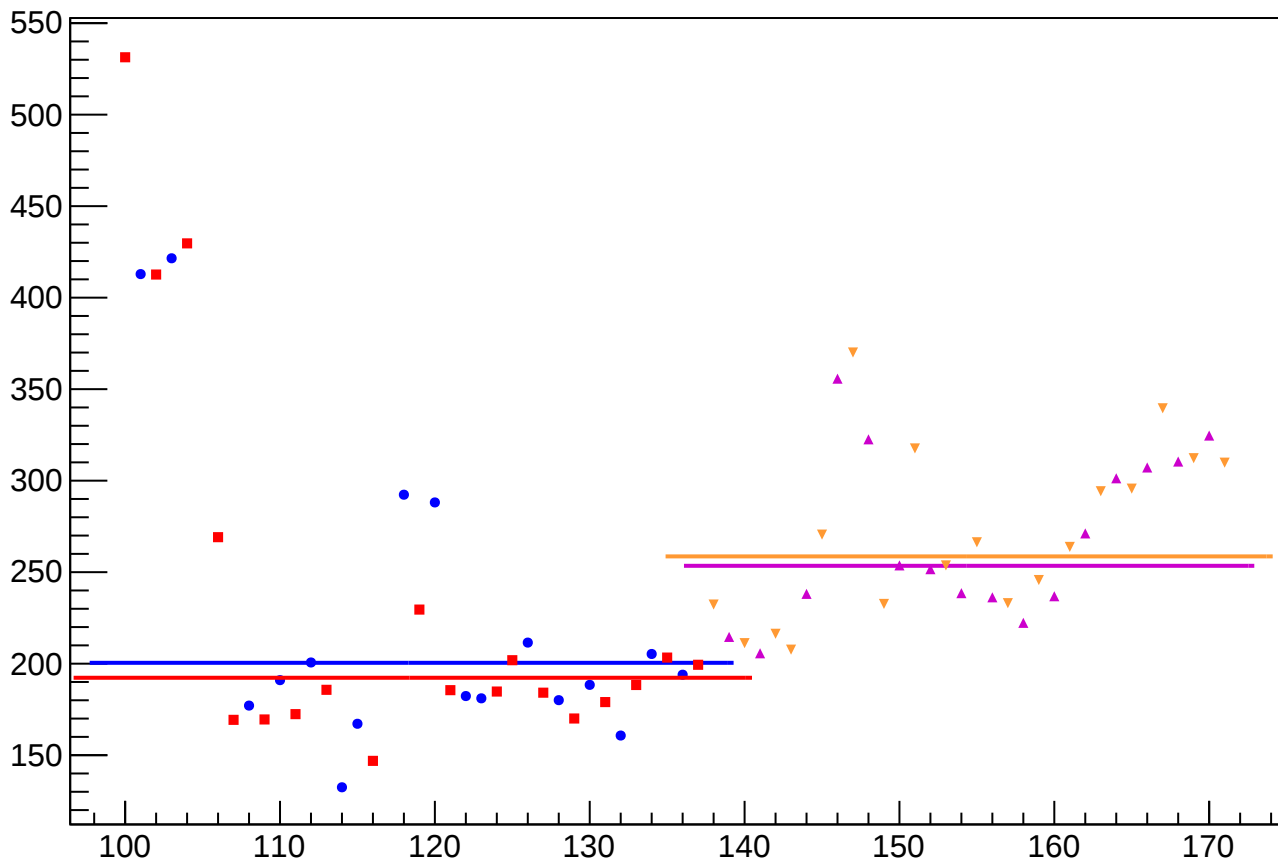
Left In: 136403.582 $\pm$ 0.073 χ^2 /NDF: 641037830.3/15

+ sign 141867.700 $\pm$ 0.054 χ^2 /NDF: 12711566237.0

All: 141985.817 $\pm$ 0.038 χ^2 /NDF: 262820856.0

- sign 142098.465 $\pm$ 0.053 χ^2 /NDF: 13561221270.8

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 258.620 $\pm$ 0.051 χ^2 /NDF: 664792.5/17

Right Out: 192.304 $\pm$ 0.054 χ^2 /NDF: 844504.1/18

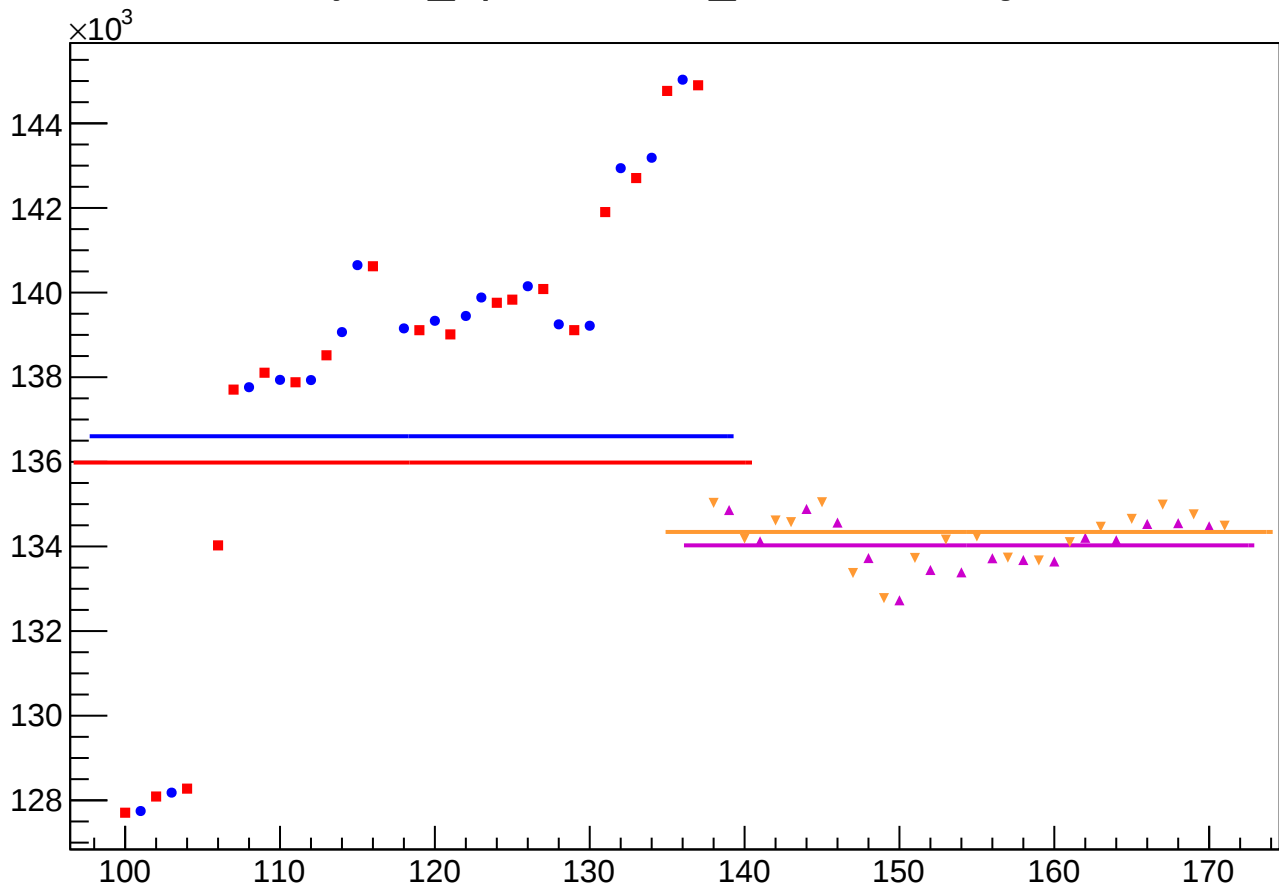
Left In: 253.478 $\pm$ 0.052 χ^2 /NDF: 596472.7/15

+ sign 233.313 $\pm$ 0.038 χ^2 /NDF: 2168366.8/34

All: 228.642 $\pm$ 0.027 χ^2 /NDF: 4306526.6/69

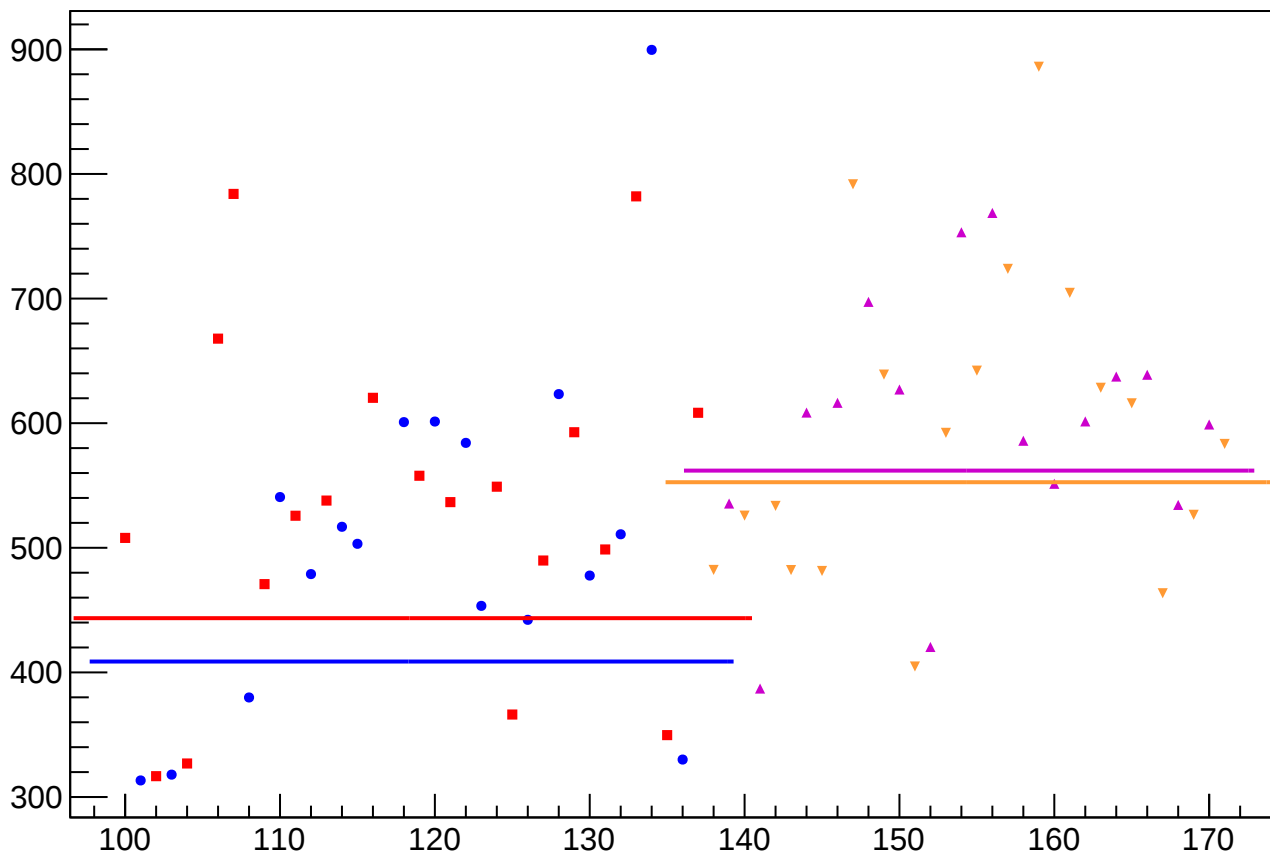
- sign 224.187 $\pm$ 0.037 χ^2 /NDF: 2109071.5/34

yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16
 Left Out: 134342.619 $\pm$ 0.161 χ^2 /NDF:13386141.1/17
 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
 + sign 135405.640 $\pm$ 0.118 χ^2 /NDF: 1600017808.0
 - sign 134957.327 $\pm$ 0.126 χ^2 /NDF: 1153383279.5
 All: 135197.133 $\pm$ 0.086 χ^2 /NDF: 276016872

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 $\pm$ 0.121 χ^2 /NDF: 823262.8/16

Left Out: 552.628 $\pm$ 0.114 χ^2 /NDF:887232.9/17

Right Out: 443.521 $\pm$ 0.129 χ^2 /NDF: 917492.4/18

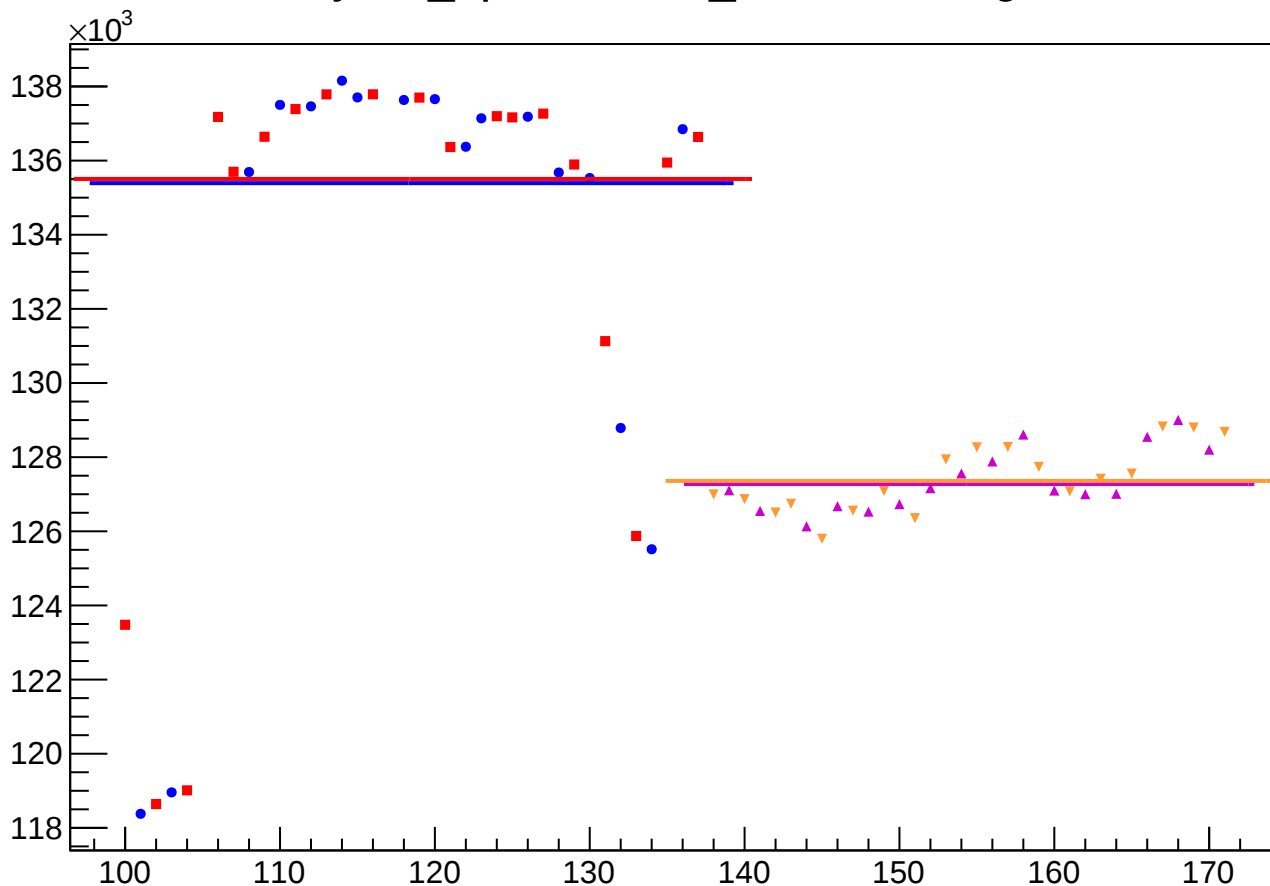
Left In: 561.942 $\pm$ 0.123 χ^2 /NDF:746655.9/15

+ sign 485.004 $\pm$ 0.083 χ^2 /NDF: 2457367.5/34

All: 494.571 $\pm$ 0.061 χ^2 /NDF: 4590383.1/69

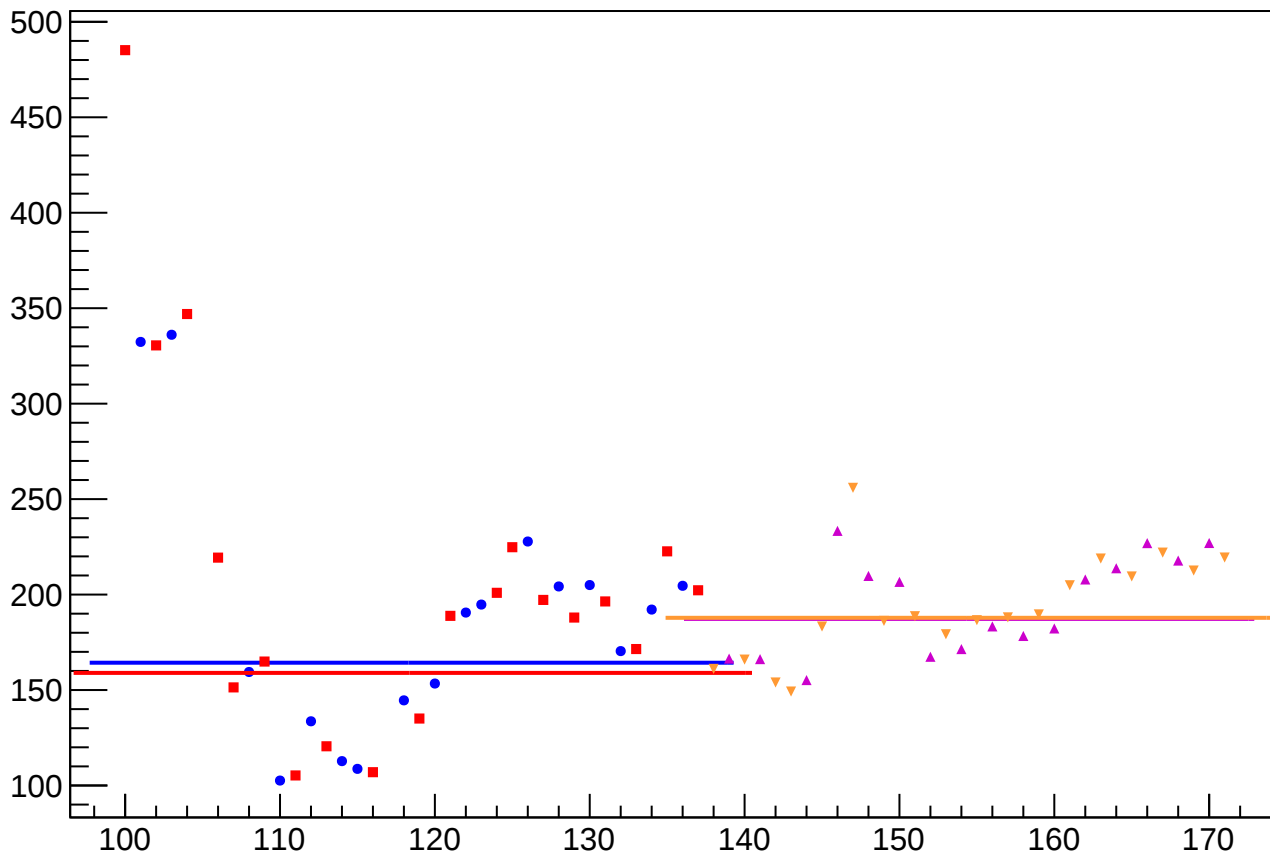
- sign 505.574 $\pm$ 0.089 χ^2 /NDF: 2104519.3/34

yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16
 Left Out: 127359.528 $\pm$ 0.052 χ^2 /NDF: 268472161.0/17
 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
 All: 130492.302 $\pm$ 0.029 χ^2 /NDF: 281901080
 + sign 130316.976 $\pm$ 0.041 χ^2 /NDF: 13594925161.7
 - 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: 187.831+/-0.037 χ^2/NDF : 451643.3/17

Right Out: 158.977+/-0.046 χ^2/NDF : 1384059.2/18

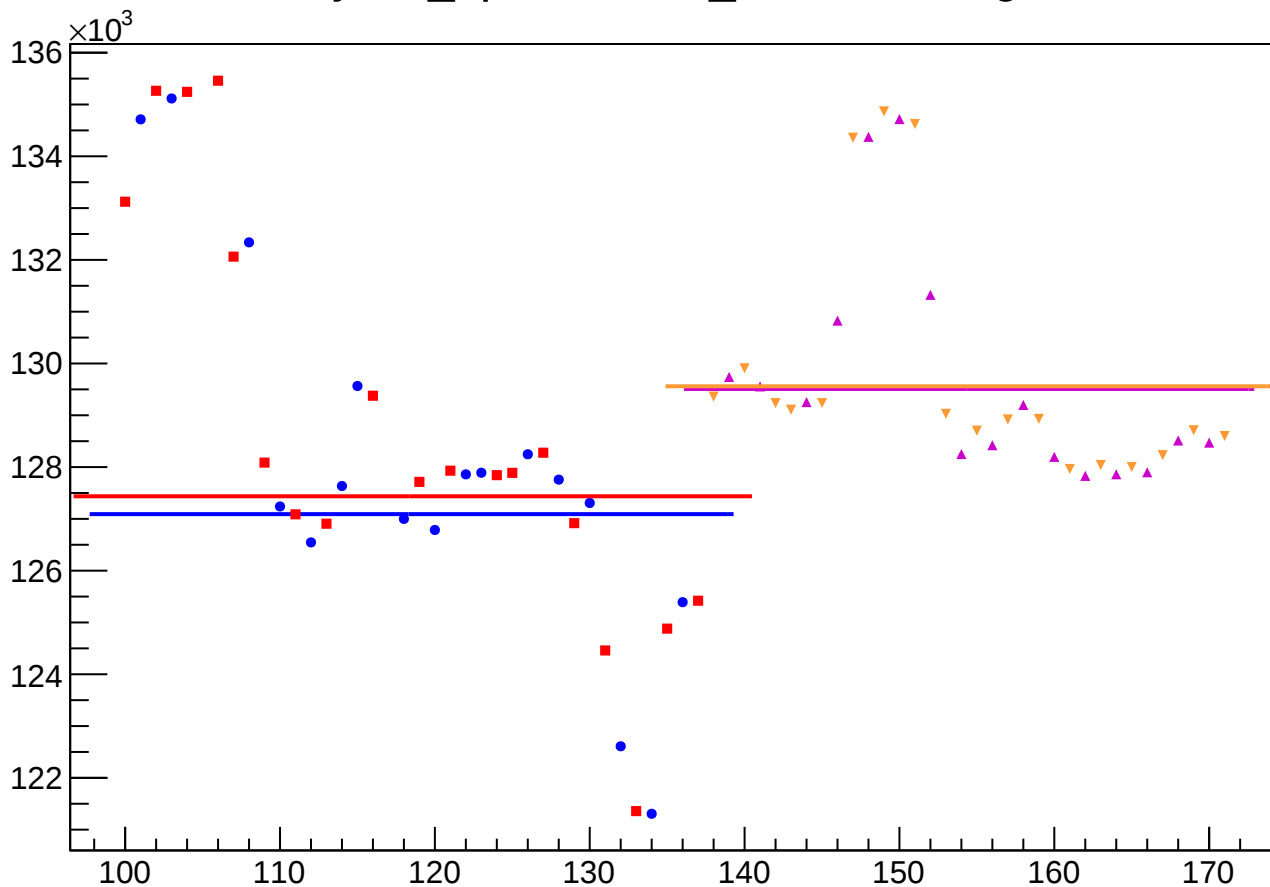
Left In: 187.254+/-0.038 χ^2/NDF : 404034.8/15

+ sign 179.171+/-0.029 χ^2/NDF : 1832125.4/34

All: 177.382+/-0.021 χ^2/NDF : 3854395.4/69

- sign 175.600+/-0.029 χ^2/NDF : 2014825.1/34

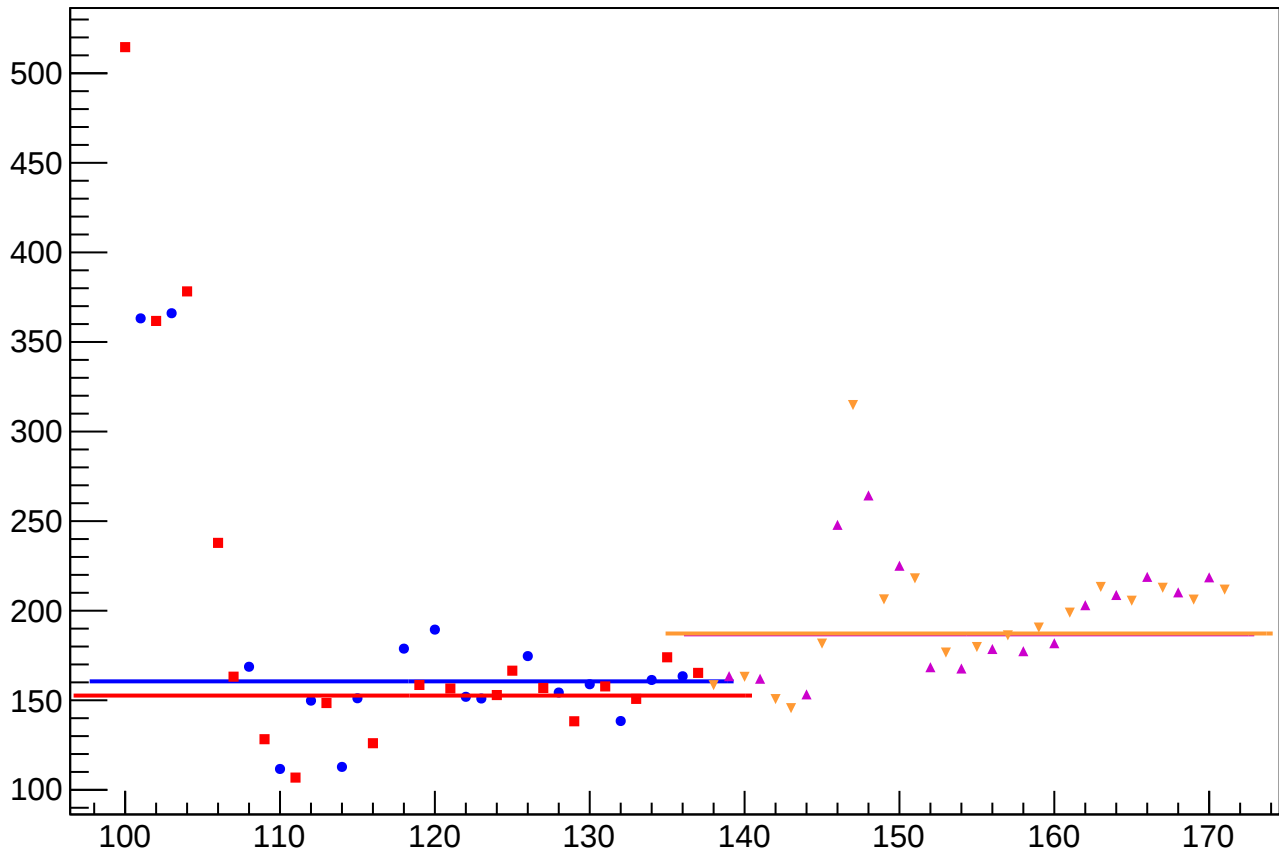
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$
 Left Out: 129559.903 ± 0.052 $\chi^2/\text{NDF}: 1352842305.0/17$
 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 128614.162 ± 0.041 $\chi^2/\text{NDF}: 3925012569.3/19$
 All: 128610.391 ± 0.029 $\chi^2/\text{NDF}: 775463652.0/19$
 - sign 128606.702 ± 0.041 $\chi^2/\text{NDF}: 3829607254.0/19$

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 $\pm$ 0.047 χ^2 /NDF: 942747.0/16

Left Out: 187.271 $\pm$ 0.037 χ^2 /NDF: 636219.1/17

Right Out: 152.629 $\pm$ 0.044 χ^2 /NDF: 1086504.4/18

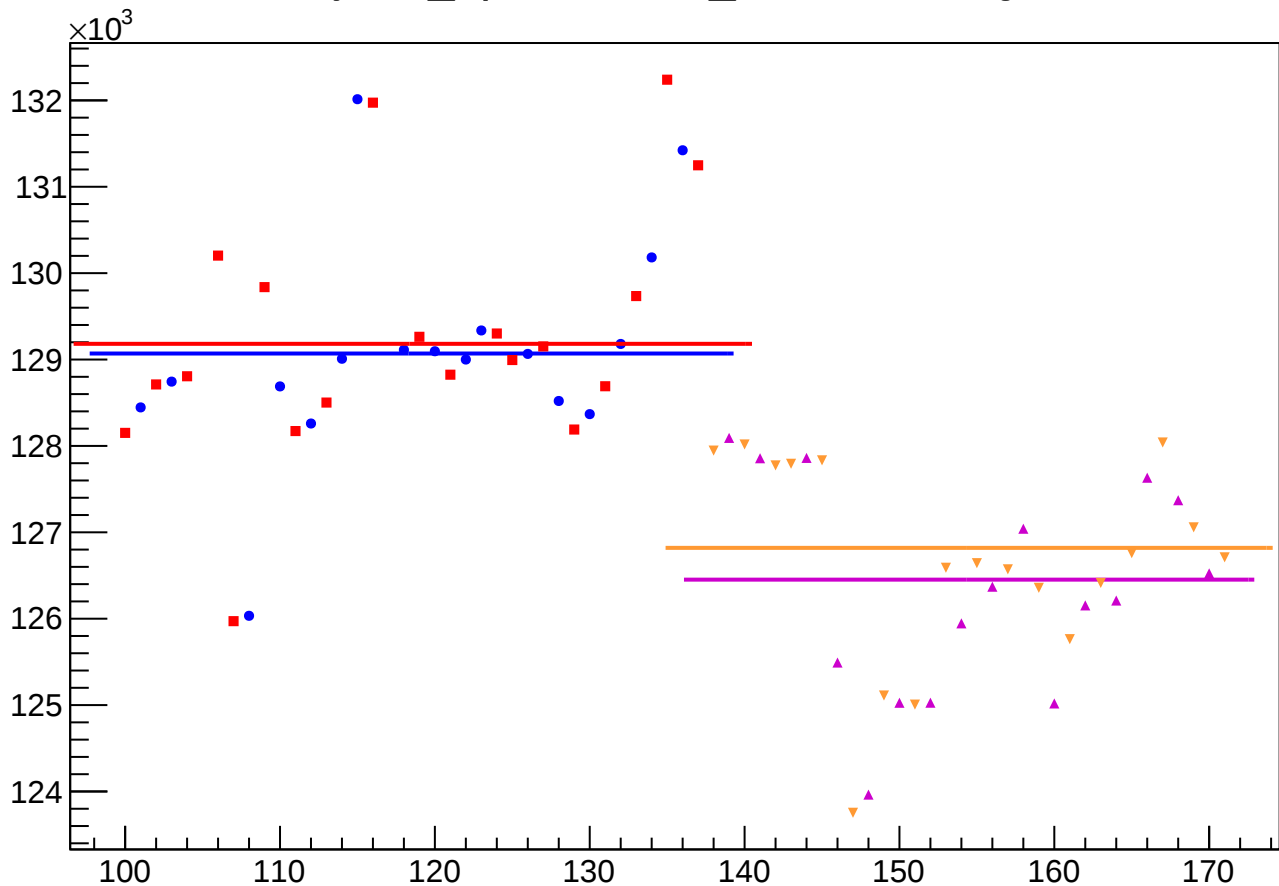
Left In: 186.800 $\pm$ 0.038 χ^2 /NDF: 574764.8/15

+ sign 177.039 $\pm$ 0.029 χ^2 /NDF: 1779140.0/34

All: 174.458 $\pm$ 0.020 χ^2 /NDF: 3804373.4/69

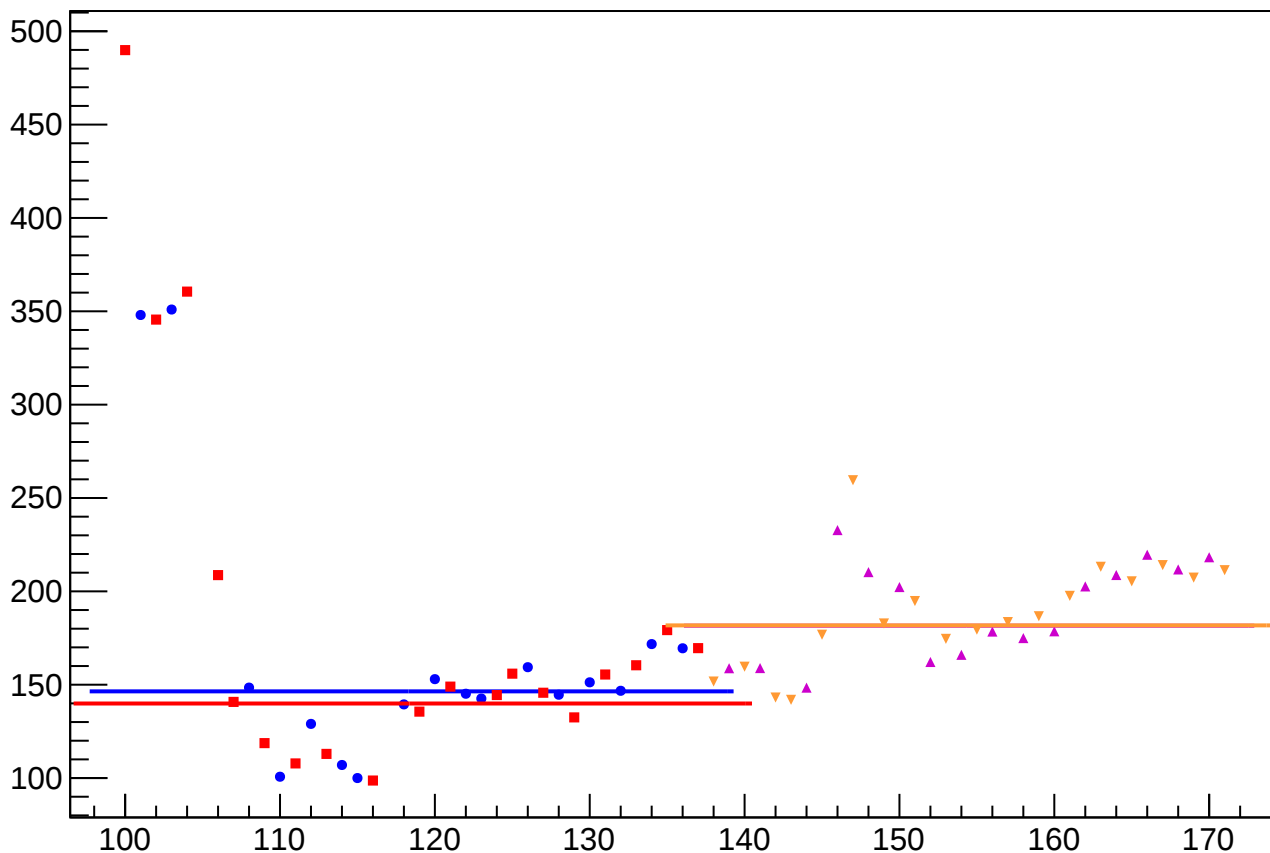
- sign 171.934 $\pm$ 0.029 χ^2 /NDF: 2009590.7/34

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060	$\chi^2/\text{NDF}: 476692316.5/16$	+ sign 127750.495 ± 0.039	$\chi^2/\text{NDF}: 1758837721.1$
Left Out: 126819.989 ± 0.051	$\chi^2/\text{NDF}: 462433091.3/17$	All: 127736.389 ± 0.027	$\chi^2/\text{NDF}: 419323709$
Right Out: 129181.887 ± 0.056	$\chi^2/\text{NDF}: 625597399.6/18$	- sign 127722.595 ± 0.038	$\chi^2/\text{NDF}: 2434136566.8$
Left In: 126452.111 ± 0.052	$\chi^2/\text{NDF}: 542416030.1/15$		

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 ± 0.043 χ^2/NDF : 1064791.0/16

Left Out: 181.775 ± 0.036 χ^2/NDF : 548082.1/17

Right Out: 139.929 ± 0.040 χ^2/NDF : 1203570.9/18

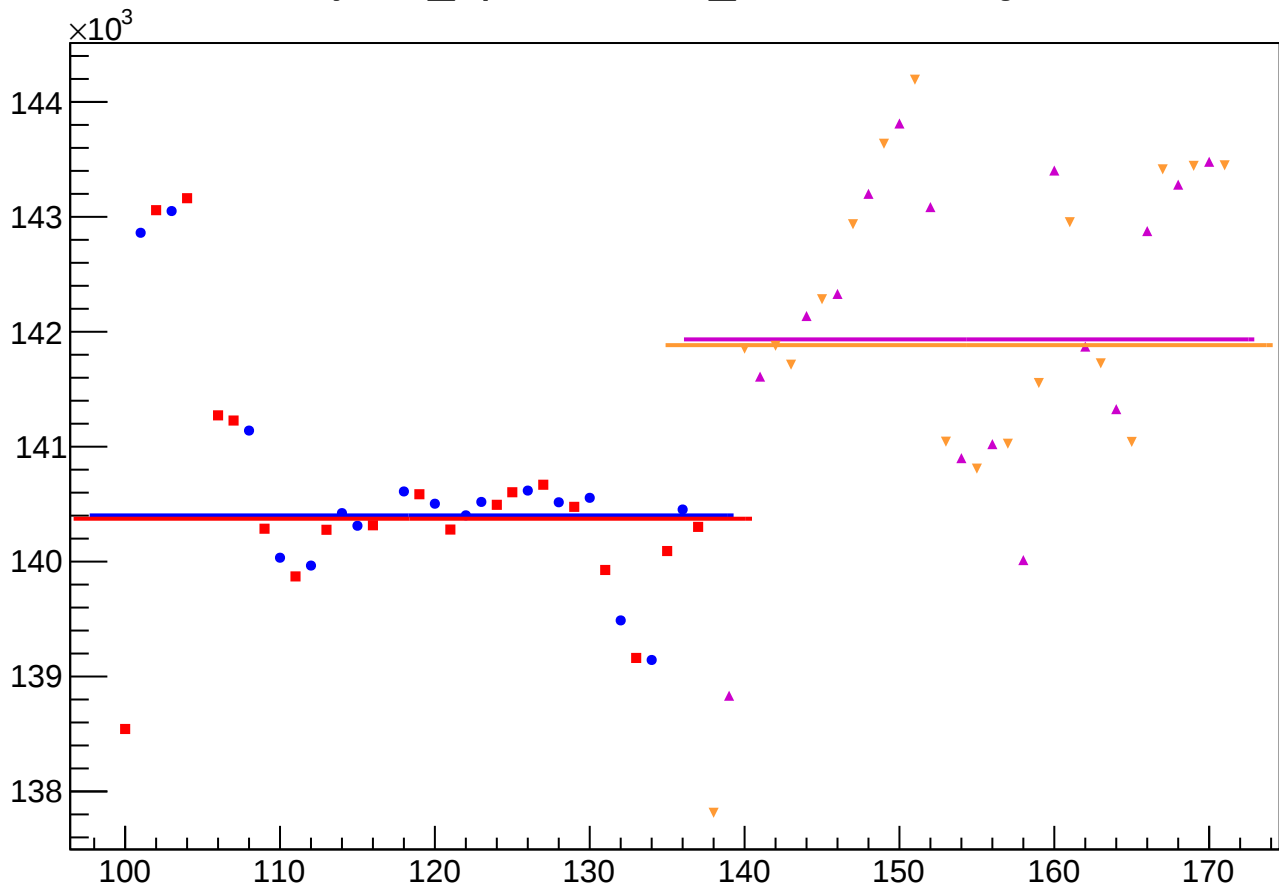
Left In: 181.605 ± 0.037 χ^2/NDF : 457047.3/15

+ sign 167.159 ± 0.027 χ^2/NDF : 2017376.9/34

All: 164.656 ± 0.019 χ^2/NDF : 4284776.5/69

- sign 162.208 ± 0.027 χ^2/NDF : 2250851.3/34

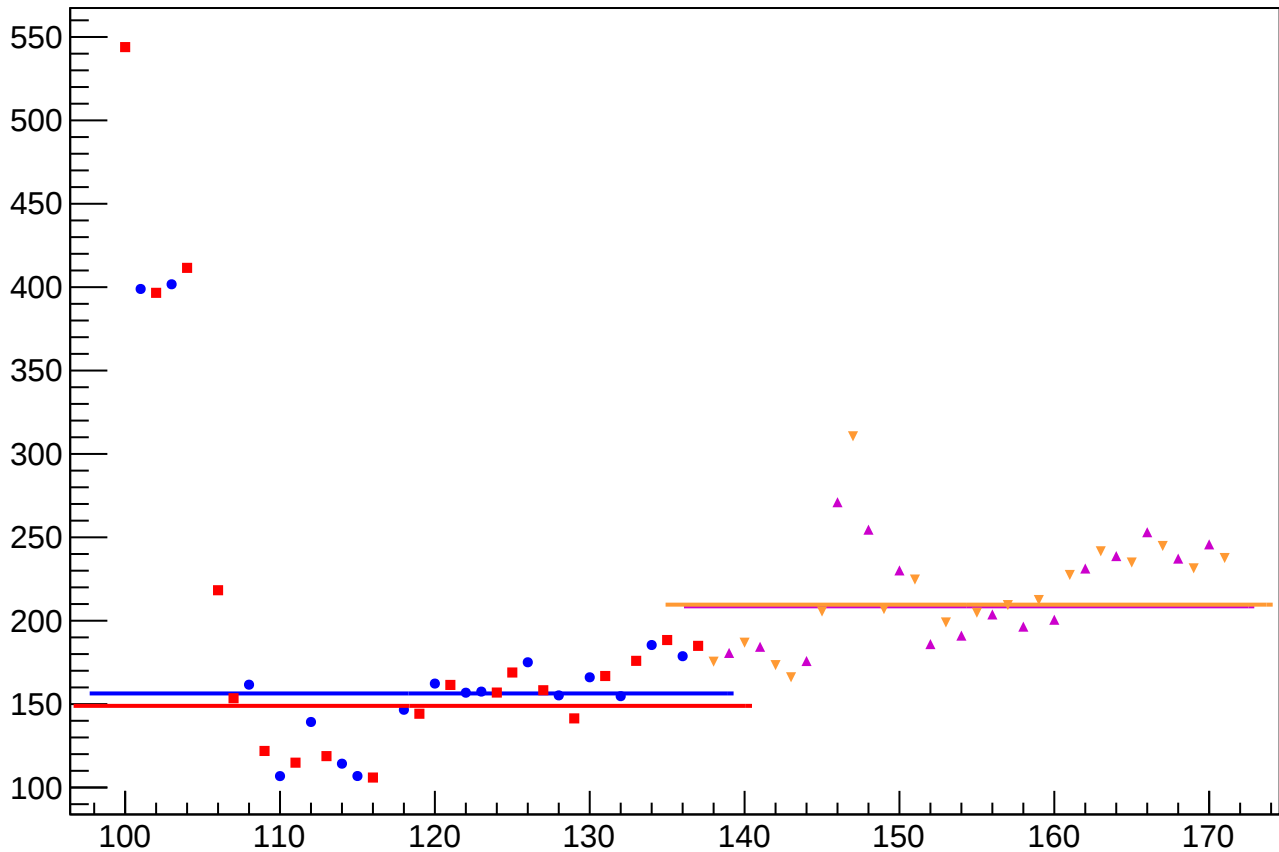
yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 ± 0.064 $\chi^2/NDF: 88071774.7/16$
 Left Out: 141883.608 ± 0.058 $\chi^2/NDF: 703996476.8/17$
 Right Out: 140373.163 ± 0.060 $\chi^2/NDF: 99854533.3/18$
 Left In: 141933.755 ± 0.060 $\chi^2/NDF: 539409670.7/15$

+ sign 141215.419 ± 0.043 $\chi^2/NDF: 1083121389.7$
 All: 141181.754 ± 0.030 $\chi^2/NDF: 206170650$
 - sign 141149.292 ± 0.042 $\chi^2/NDF: 977392975.3/3$

yield_bpm0l07WS_rms vs Slug



Right In: 156.394 ± 0.046 χ^2/NDF : 1154804.2/16

Left Out: 209.638 ± 0.041 χ^2/NDF : 494355.6/17

Right Out: 148.949 ± 0.042 χ^2/NDF : 1307651.5/18

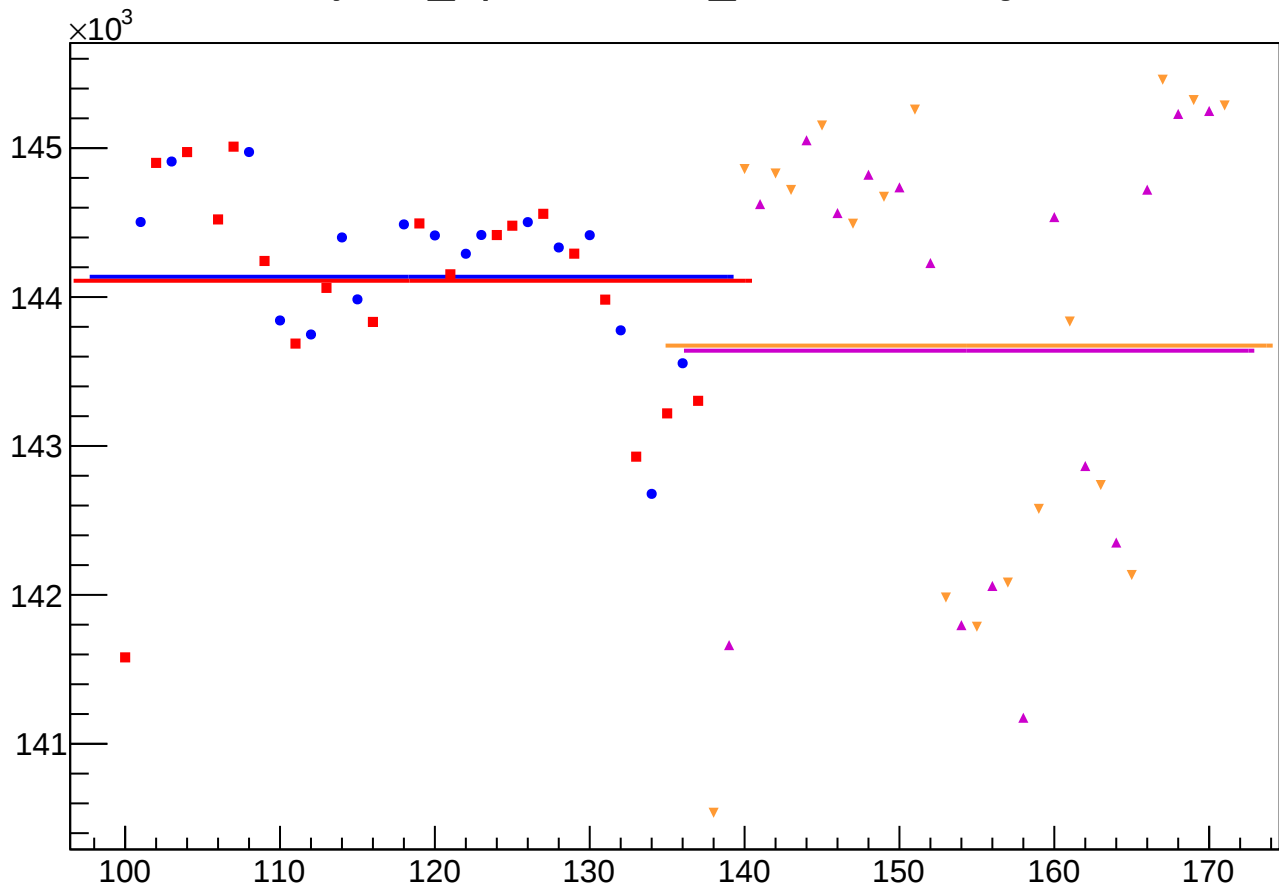
Left In: 208.620 ± 0.043 χ^2/NDF : 442059.0/15

+ sign 185.625 ± 0.031 χ^2/NDF : 2400941.3/34

All: 182.062 ± 0.021 χ^2/NDF : 5166048.9/69

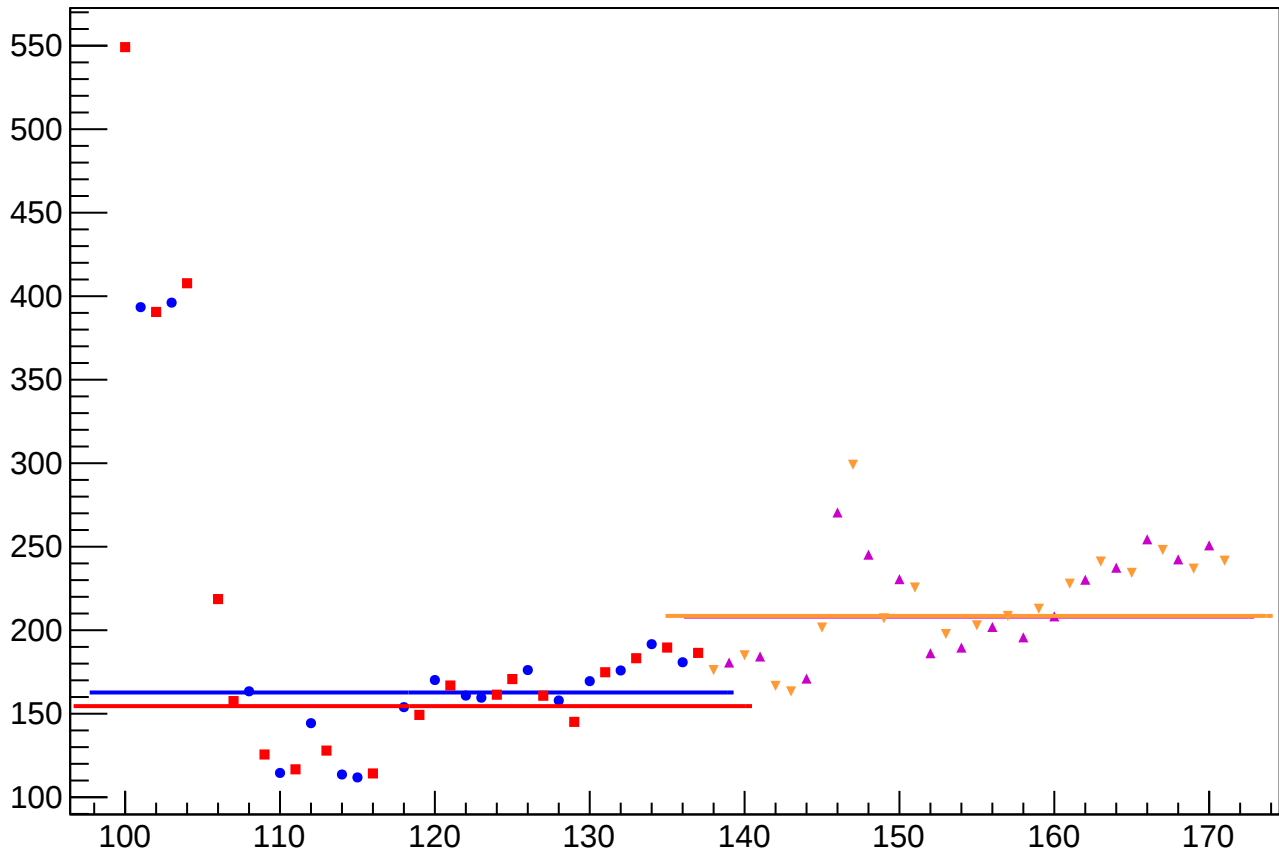
- sign 178.625 ± 0.030 χ^2/NDF : 2738390.6/34

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067	χ^2 /NDF: 47069480.3/16	+ sign 143872.814 $\pm$ 0.044	χ^2 /NDF: 815389248.1/3
Left Out: 143673.974 $\pm$ 0.058	χ^2 /NDF: 741025031.3/17	All: 143870.221 $\pm$ 0.031	χ^2 /NDF: 149813945
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: 208.558 $\pm$ 0.041 χ^2 /NDF: 526410.2/17

Right Out: 154.547 $\pm$ 0.044 χ^2 /NDF: 1217495.9/18

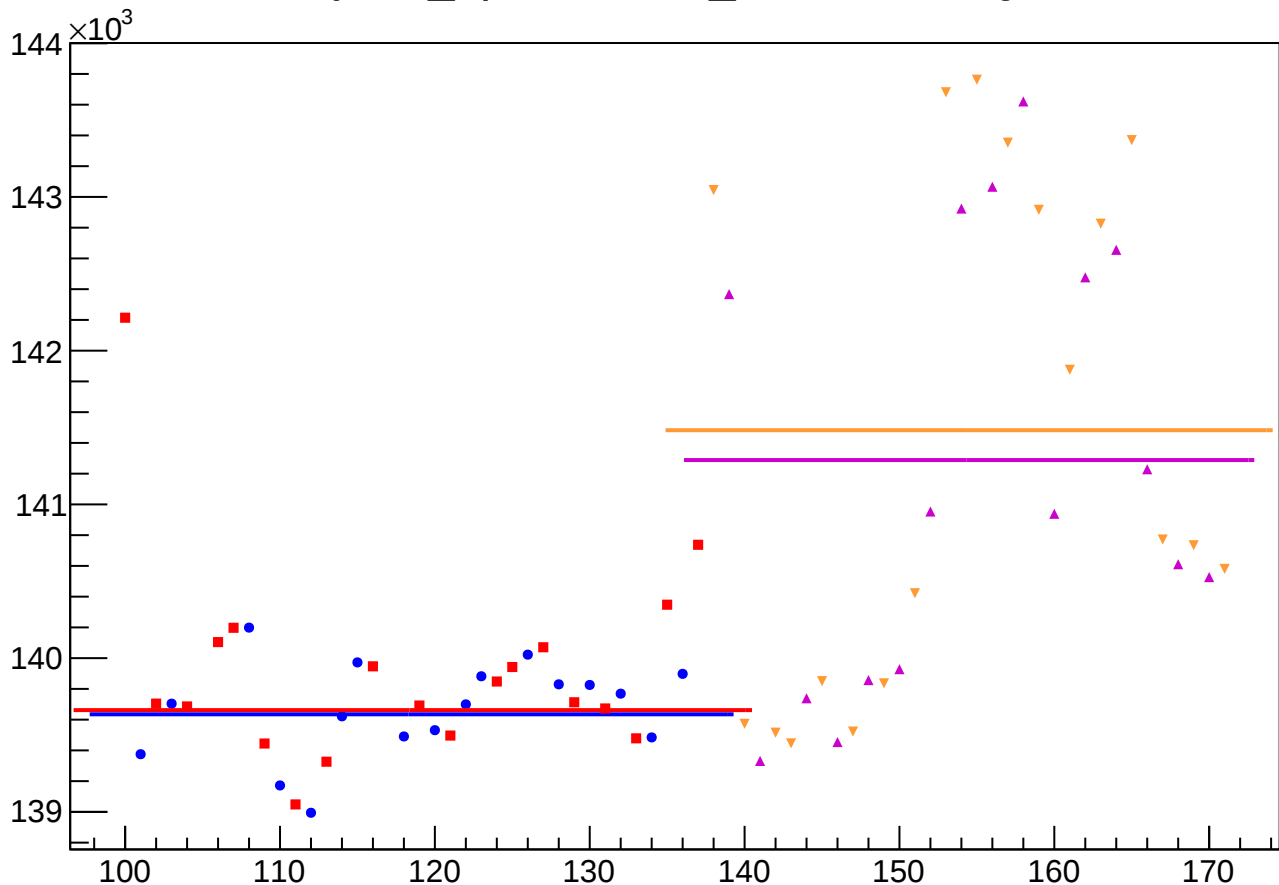
Left In: 208.153 $\pm$ 0.042 χ^2 /NDF: 465325.8/15

+ sign 188.833 $\pm$ 0.031 χ^2 /NDF: 2130070.4/34

All: 185.430 $\pm$ 0.022 χ^2 /NDF: 4609362.8/69

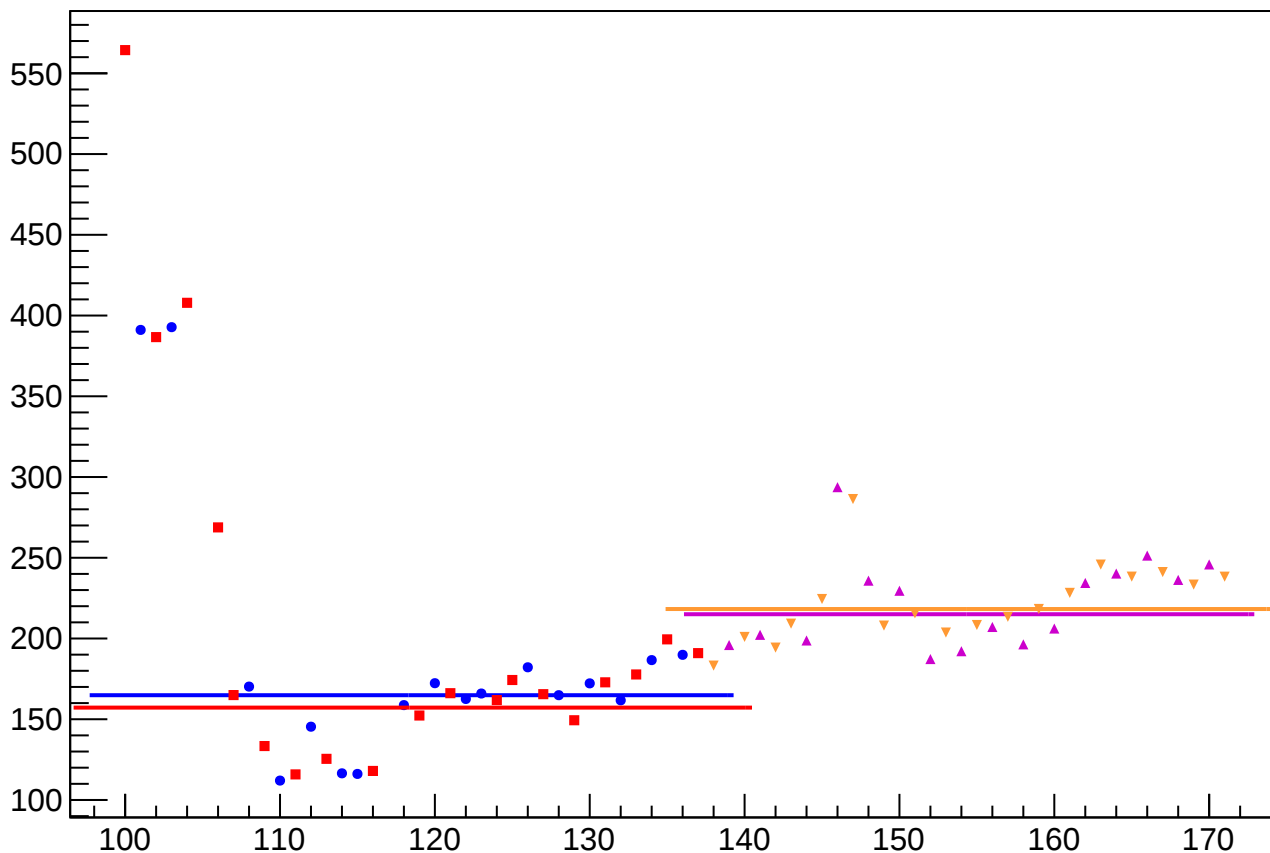
- sign 182.134 $\pm$ 0.030 χ^2 /NDF: 2455519.1/34

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 $\pm$ 0.068	χ^2 /NDF: 24844912.0/16	+ sign 140665.645 $\pm$ 0.045	χ^2 /NDF: 1170267842.6
Left Out: 141482.584 $\pm$ 0.060	χ^2 /NDF: 730702623.4/17	All: 140576.071 $\pm$ 0.032	χ^2 /NDF: 208085530
Right Out: 139661.970 $\pm$ 0.063	χ^2 /NDF: 38372985.0/18	- sign 140490.032 $\pm$ 0.044	χ^2 /NDF: 902841571.0/3
Left In: 141288.496 $\pm$ 0.062	χ^2 /NDF: 525514040.6/15		

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 ± 0.048 χ^2/NDF : 1066270.8/16

Left Out: 218.255 ± 0.043 χ^2/NDF : 245310.2/17

Right Out: 157.207 ± 0.045 χ^2/NDF : 1245030.9/18

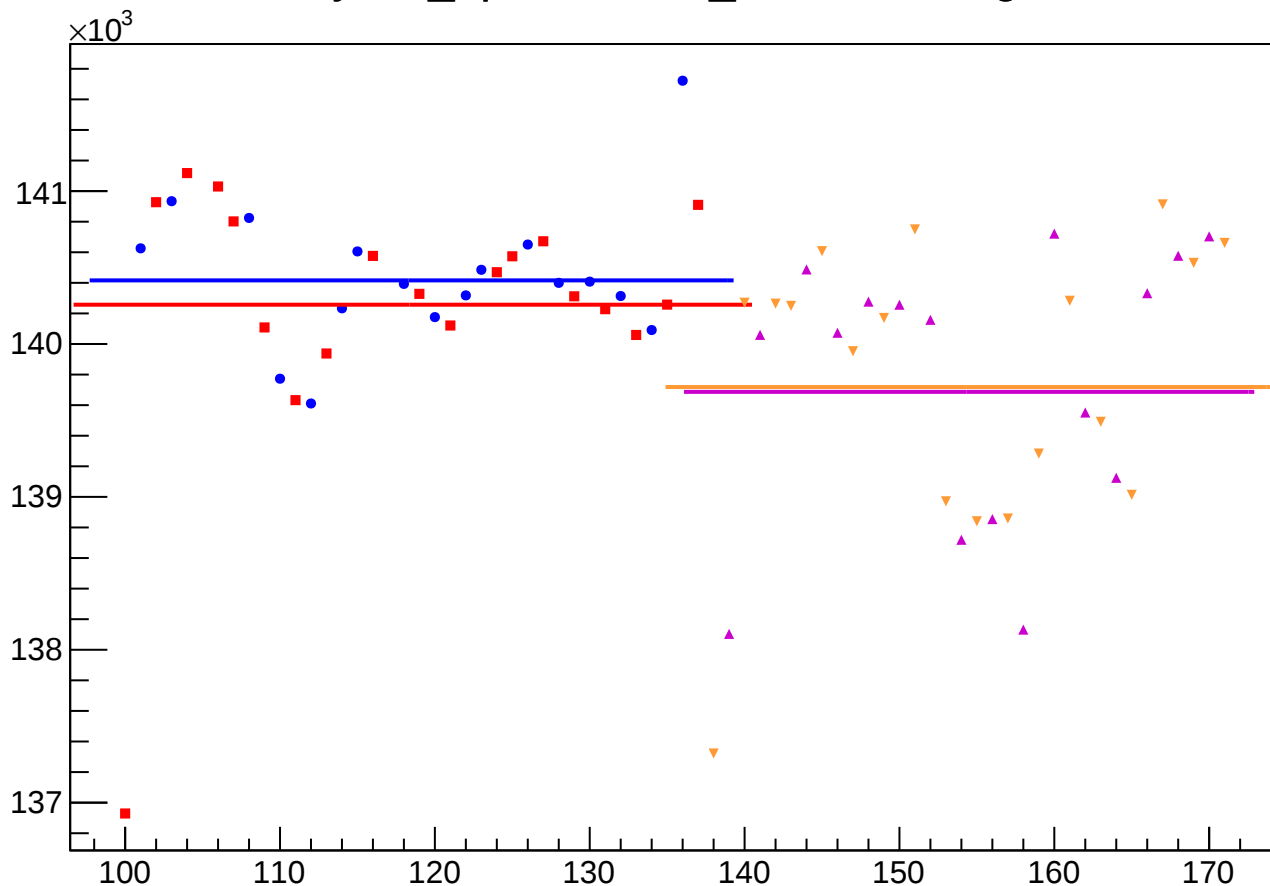
Left In: 215.035 ± 0.044 χ^2/NDF : 323699.3/15

+ sign 194.660 ± 0.032 χ^2/NDF : 2003484.3/34

All: 190.573 ± 0.022 χ^2/NDF : 4461358.5/69

- sign 186.647 ± 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

Left Out: 139718.522 $\pm$ 0.057 χ^2 /NDF: 292966911.0/17

Right Out: 140256.992 $\pm$ 0.063 χ^2 /NDF: 38063371.4/18

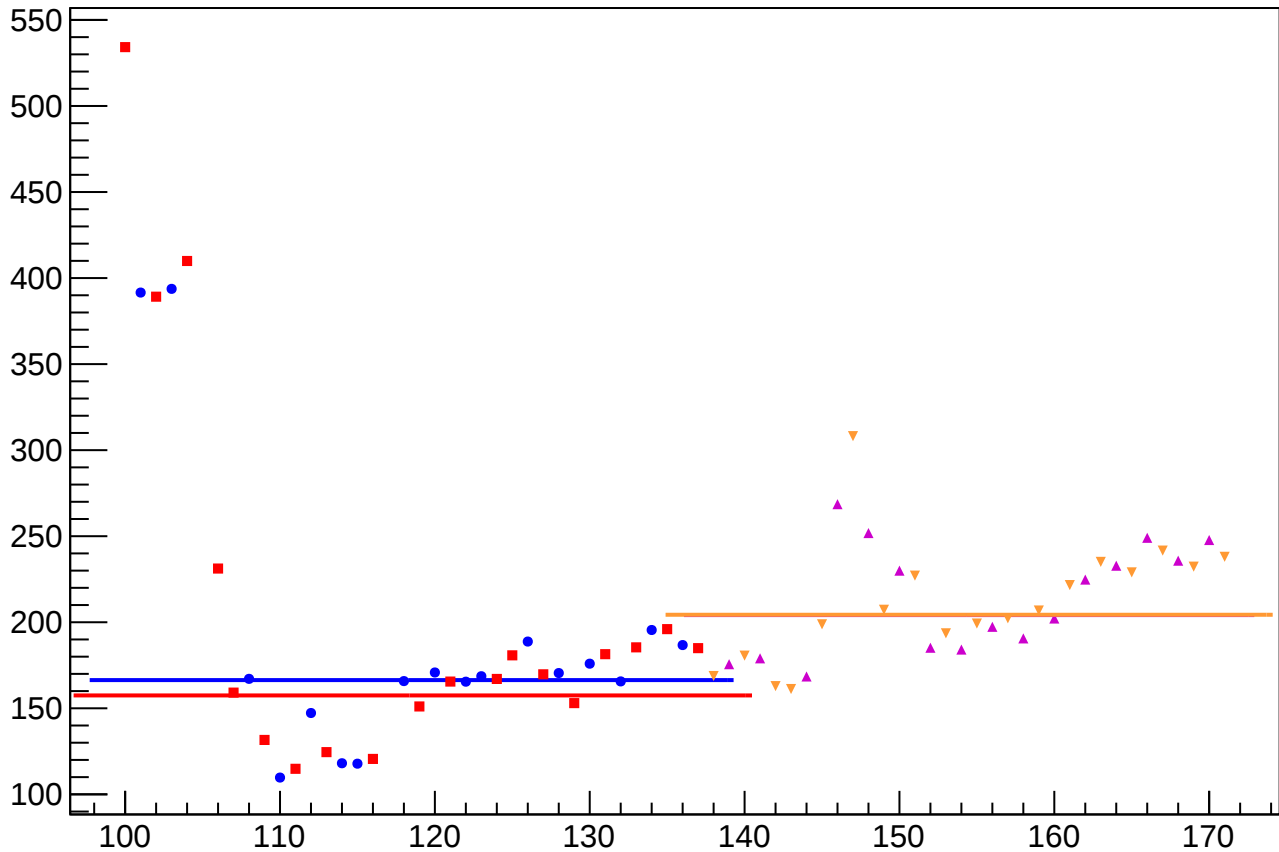
Left In: 139686.861 $\pm$ 0.059 χ^2 /NDF: 237472891.6/15

+ sign 140003.556 $\pm$ 0.044 χ^2 /NDF: 424455711.4/3

All: 139977.524 $\pm$ 0.031 χ^2 /NDF: 744267303

- sign 139952.248 $\pm$ 0.043 χ^2 /NDF: 319112808.2/3

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 χ^2/NDF : 1080964.8/16

Left Out: 204.353 ± 0.040 χ^2/NDF : 574952.2/17

Right Out: 157.475 ± 0.045 χ^2/NDF : 1229886.8/18

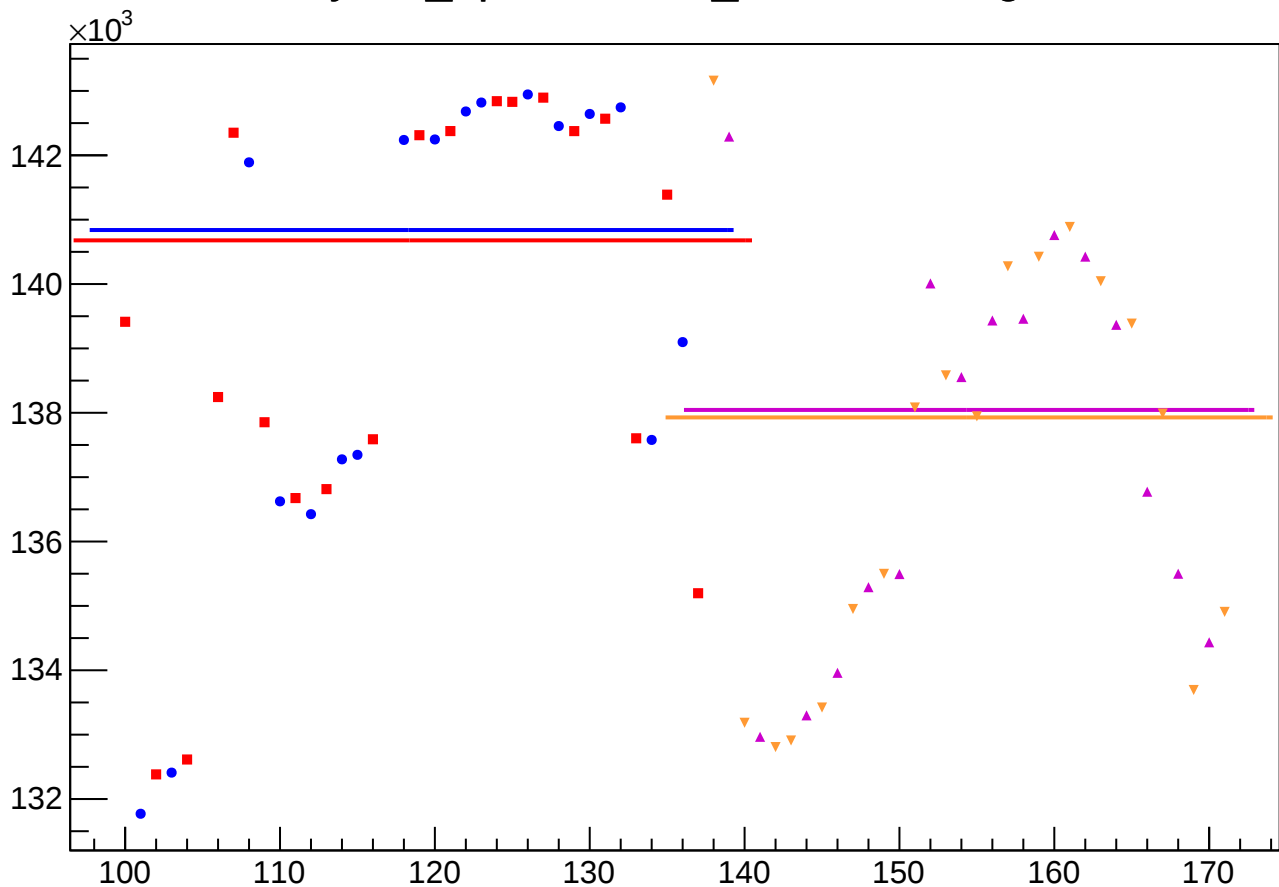
Left In: 204.162 ± 0.042 χ^2/NDF : 502580.6/15

+ sign 188.840 ± 0.031 χ^2/NDF : 2020368.5/34

All: 185.587 ± 0.022 χ^2/NDF : 4359056.1/69

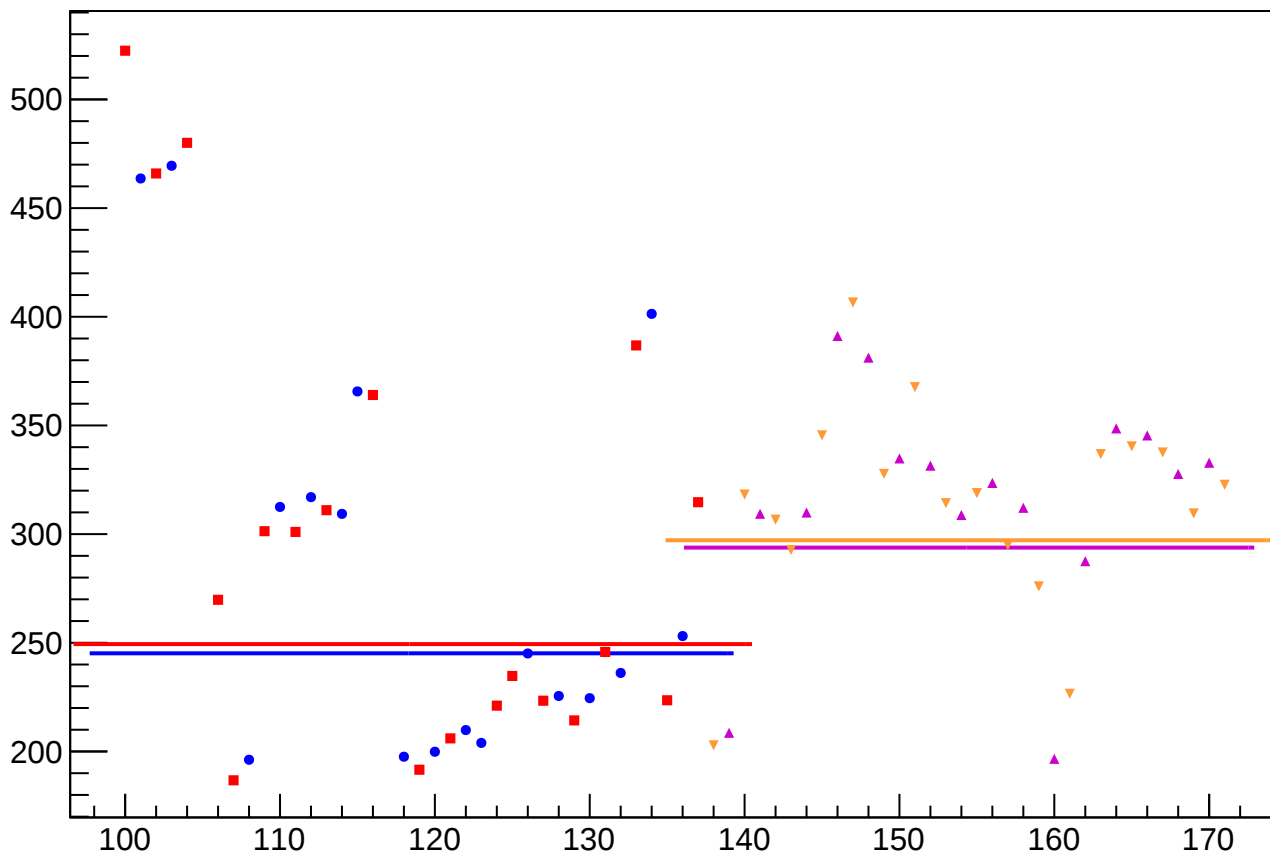
- sign 182.430 ± 0.030 χ^2/NDF : 2316876.5/34

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100	χ^2 /NDF: 822682996.3/16	+ sign 139123.776 $\pm$ 0.064	χ^2 /NDF: 2956950555.0
Left Out: 137928.017 $\pm$ 0.084	χ^2 /NDF: 1635024241.5/17	All: 139150.416 $\pm$ 0.046	χ^2 /NDF: 547247096
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 $\pm$ 0.071 χ^2 /NDF: 869491.6/16

Left Out: 297.170 $\pm$ 0.059 χ^2 /NDF: 770959.7/17

Right Out: 249.397 $\pm$ 0.070 χ^2 /NDF: 1009731.2/18

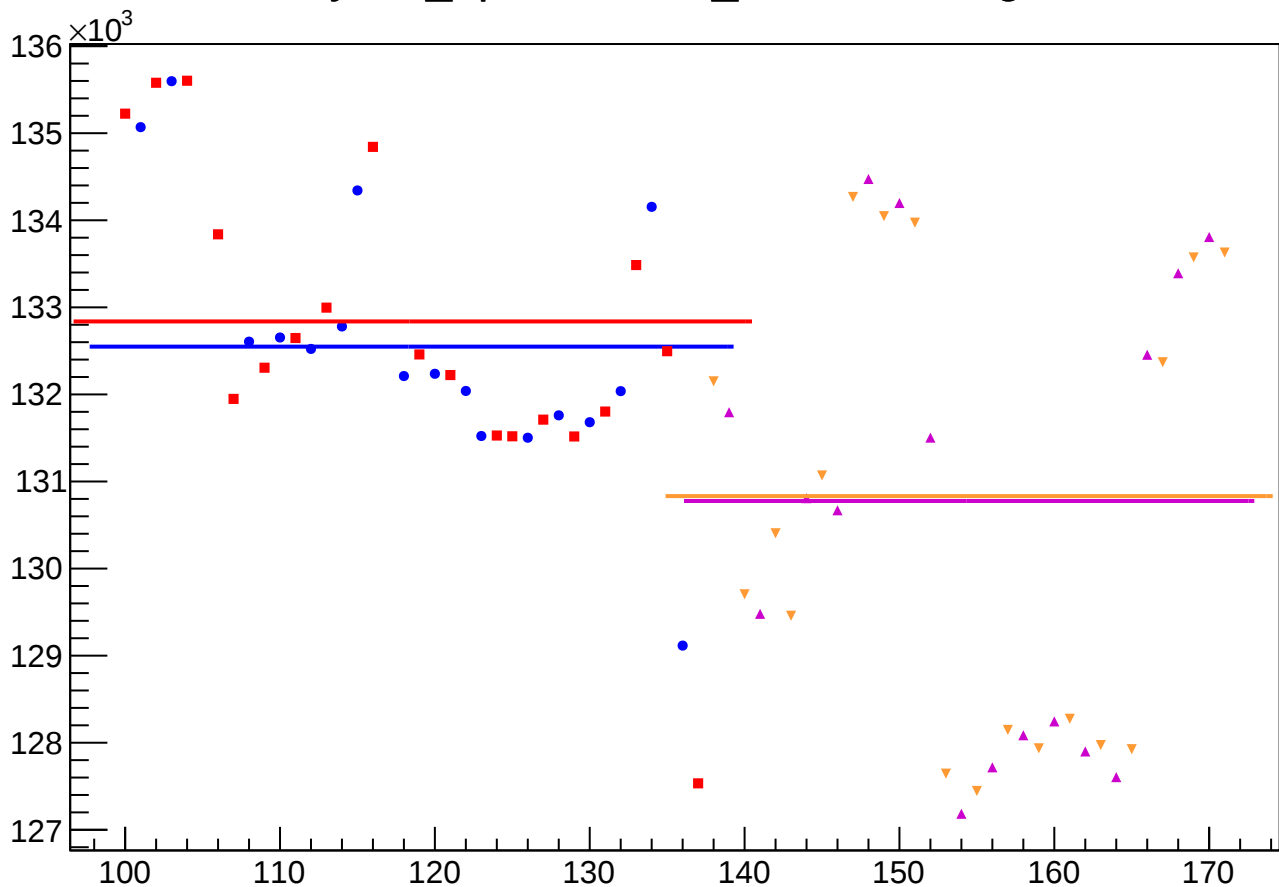
Left In: 293.798 $\pm$ 0.061 χ^2 /NDF: 946059.2/15

+ sign 275.806 $\pm$ 0.045 χ^2 /NDF: 1959179.2/34

All: 275.257 $\pm$ 0.032 χ^2 /NDF: 4143997.0/69

- sign 274.693 $\pm$ 0.046 χ^2 /NDF: 2184520.4/34

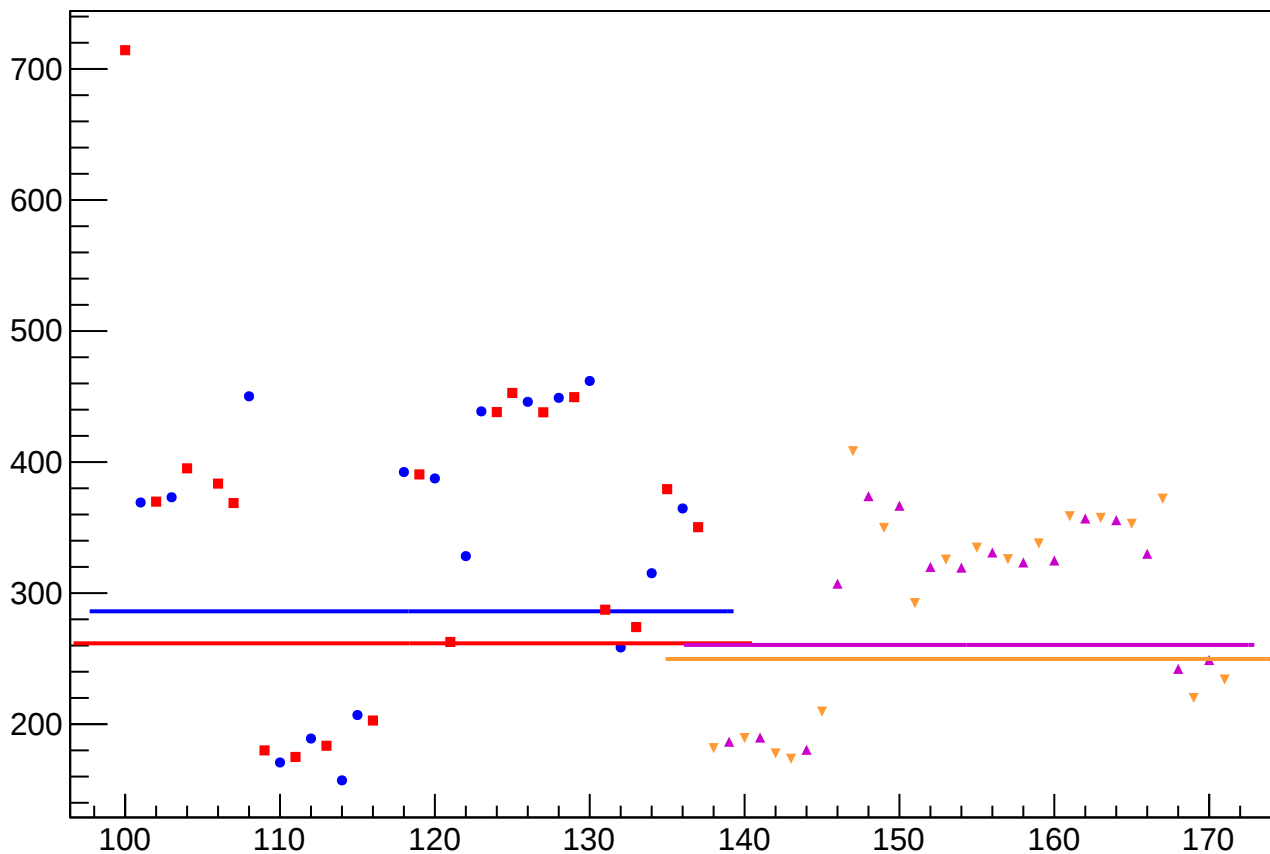
yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 ± 0.119 $\chi^2/\text{NDF}: 161115079.9/16$
 Left Out: 130832.265 ± 0.072 $\chi^2/\text{NDF}: 953004478.9/17$
 Right Out: 132838.294 ± 0.107 $\chi^2/\text{NDF}: 149611447.6/18$
 Left In: 130776.246 ± 0.077 $\chi^2/\text{NDF}: 810148054.5/15$

+ sign 131289.397 ± 0.062 $\chi^2/\text{NDF}: 1265849096.2$
 All: 131384.250 ± 0.044 $\chi^2/\text{NDF}: 247417528$
 - sign 131482.445 ± 0.063 $\chi^2/\text{NDF}: 1203500658.5$

yield_bpm0r05WS_rms vs Slug



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 249.735+/-0.051 χ^2/NDF : 2138276.6/17

Right Out: 261.686+/-0.076 χ^2/NDF : 1623174.1/18

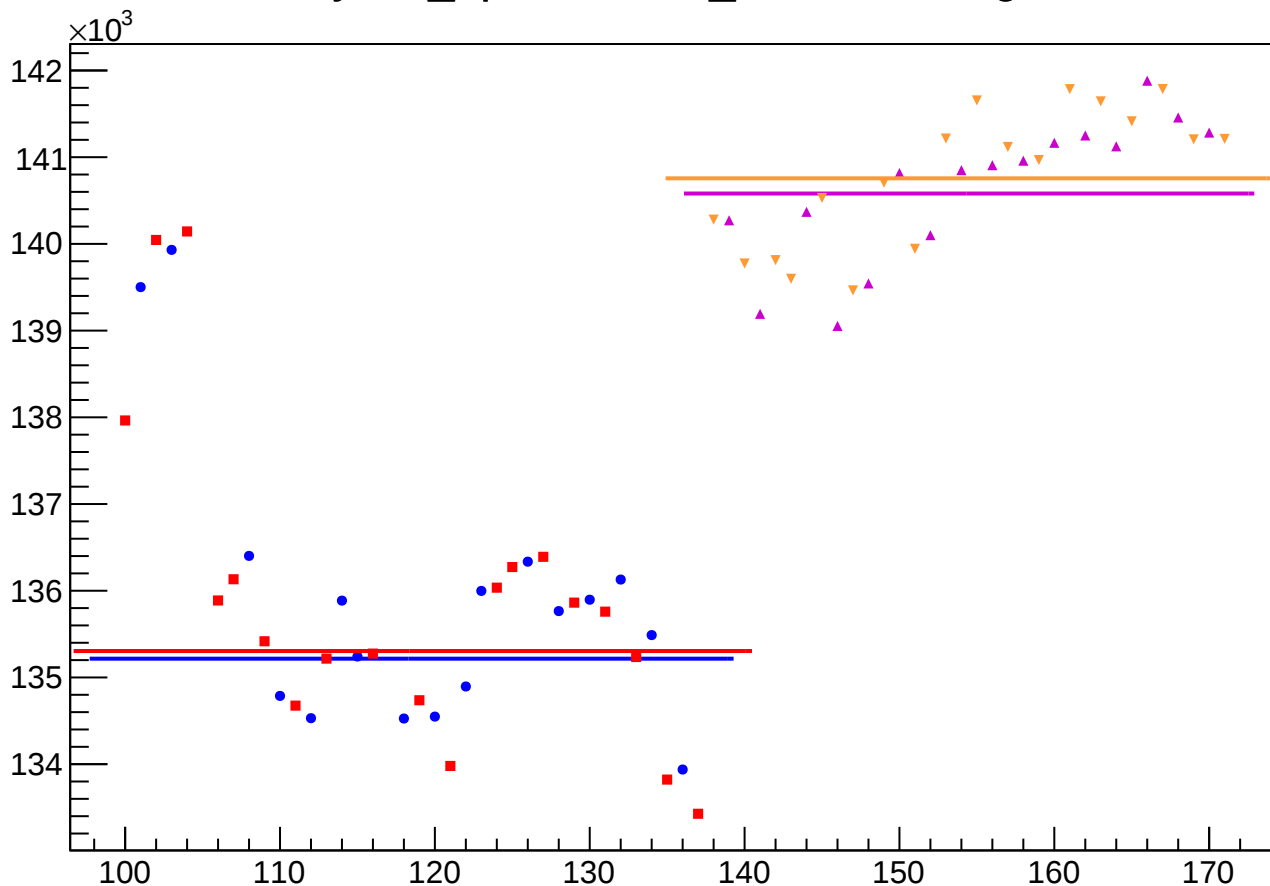
Left In: 260.477+/-0.055 χ^2/NDF : 1647867.1/15

+ sign 259.425+/-0.044 χ^2/NDF : 3799887.5/34

All: 260.145+/-0.031 χ^2/NDF : 7071653.0/69

- sign 260.891+/-0.044 χ^2/NDF : 3271208.9/34

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140756.178 $\pm$ 0.053 χ^2 /NDF: 201363151.5/17

Right Out: 135305.135 $\pm$ 0.051 χ^2 /NDF: 357636841.6/18

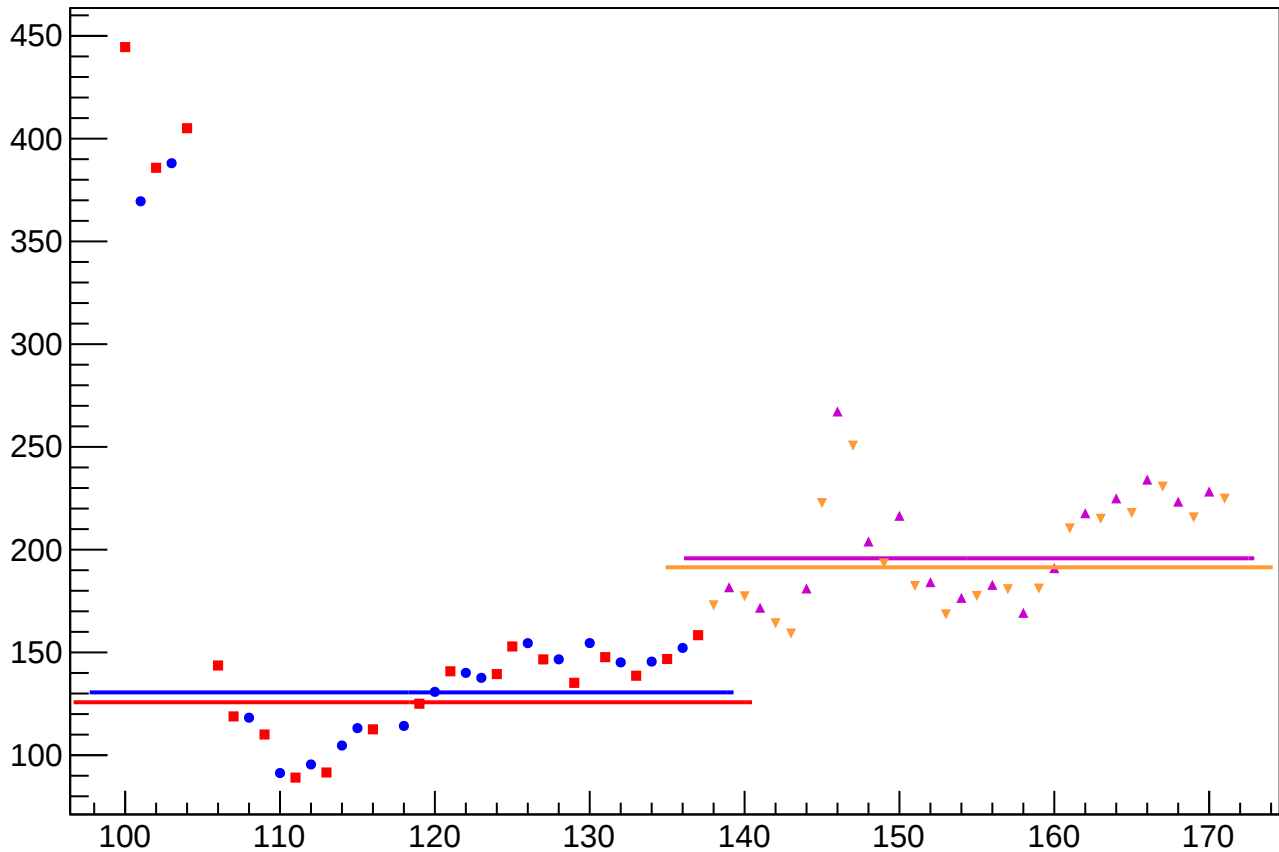
Left In: 140580.881 $\pm$ 0.056 χ^2 /NDF: 172299271.5/15

+ sign 138046.640 $\pm$ 0.038 χ^2 /NDF: 5878822540.4

All: 137864.477 $\pm$ 0.027 χ^2 /NDF: 112518854

- 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: 191.421 $\pm$ 0.038 χ^2 /NDF: 414455.6/17

Right Out: 125.746 $\pm$ 0.036 χ^2 /NDF: 1440002.5/18

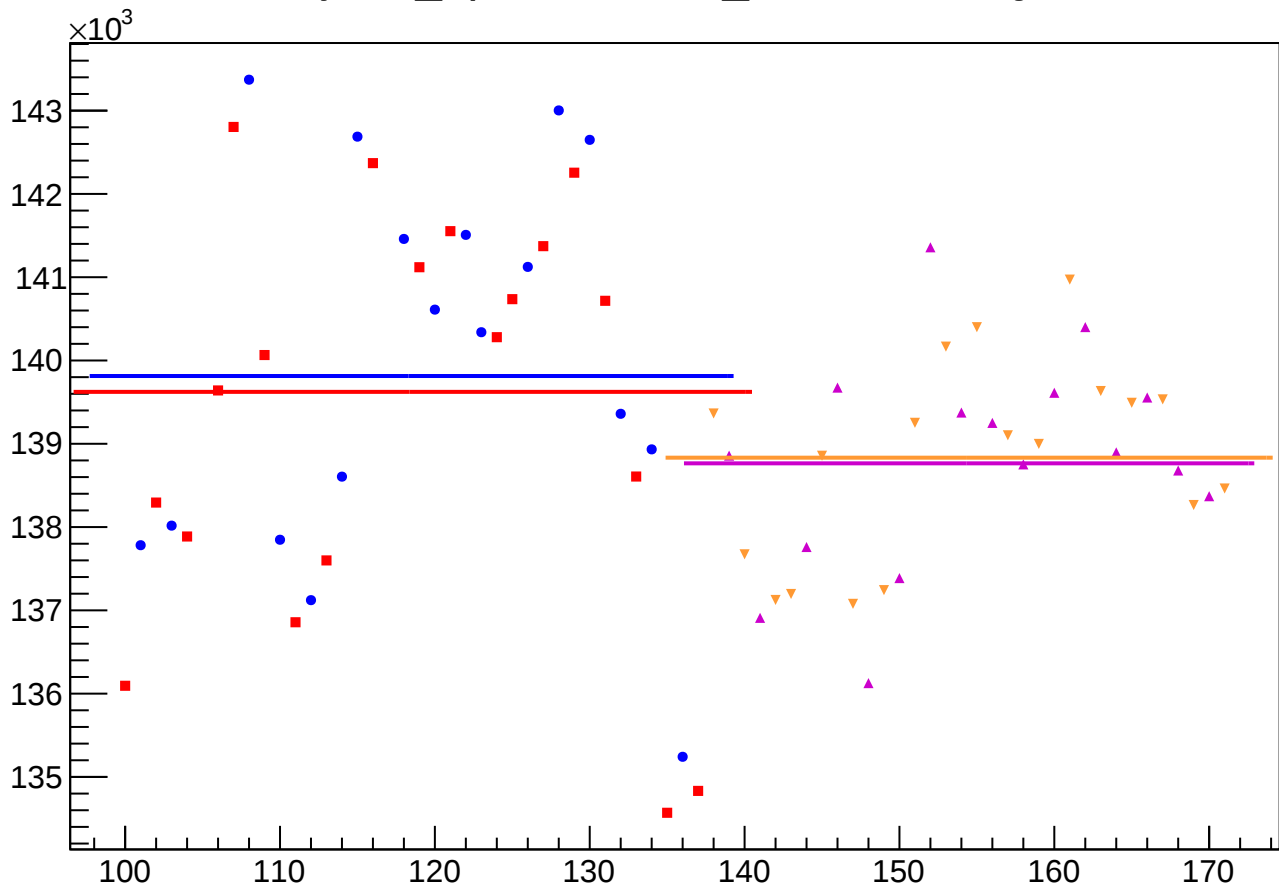
Left In: 195.797 $\pm$ 0.040 χ^2 /NDF: 371856.8/15

+ sign 161.649 $\pm$ 0.027 χ^2 /NDF: 3068870.5/34

All: 159.480 $\pm$ 0.019 χ^2 /NDF: 6585321.9/69

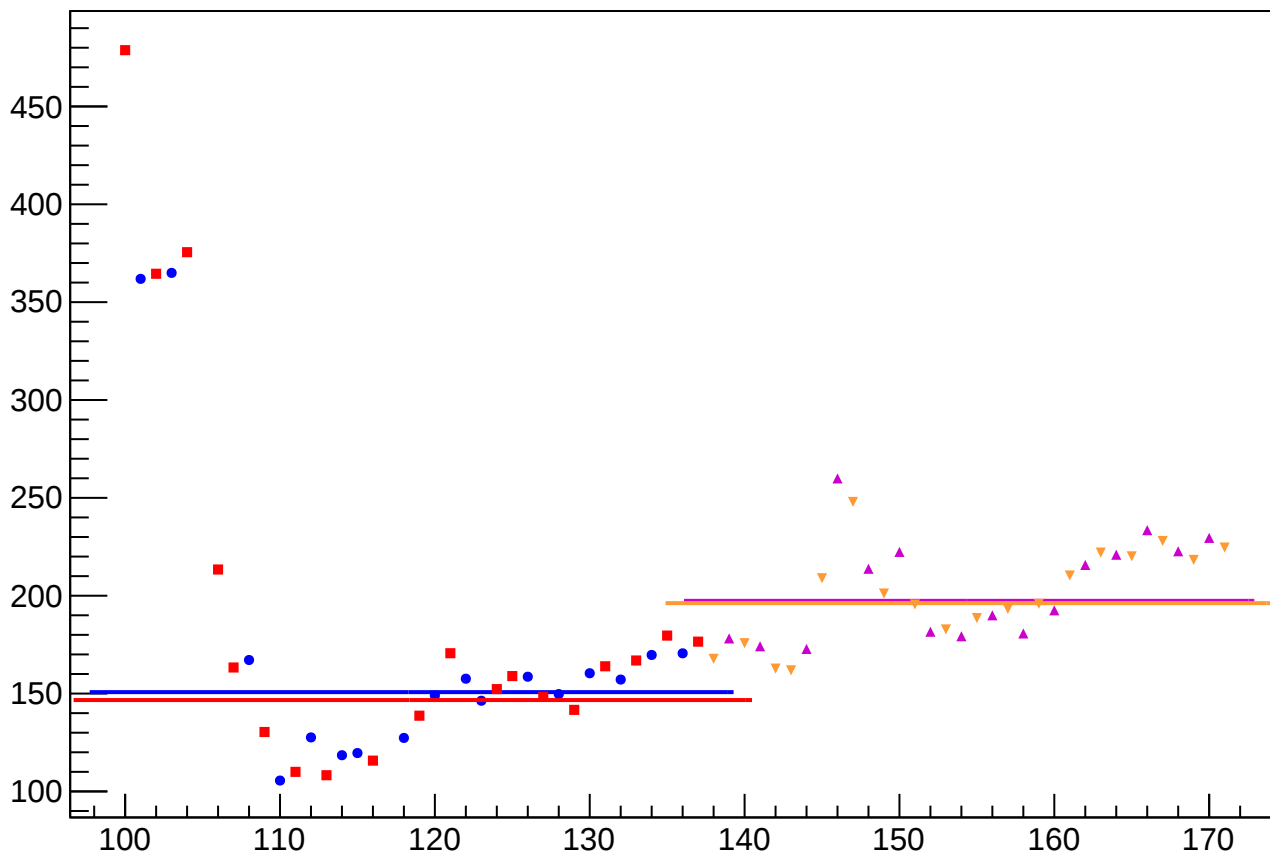
- sign 157.325 $\pm$ 0.027 χ^2 /NDF: 3503474.7/34

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 ± 0.062 χ^2/NDF : 1689865533.6/16
 Left Out: 138833.161 ± 0.055 χ^2/NDF : 448725453.2/17
 Right Out: 139623.387 ± 0.059 χ^2/NDF : 1505731109.1/18
 Left In: 138765.149 ± 0.057 χ^2/NDF : 526556698.0/15
 All: 139220.335 ± 0.029 χ^2/NDF : 442358894.0/19
 + sign 139261.764 ± 0.041 χ^2/NDF : 2279719079.3/20
 - sign 139178.834 ± 0.041 χ^2/NDF : 2141820003.7/20

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 196.201+/-0.039 χ^2/NDF : 351061.0/17

Right Out: 146.686+/-0.042 χ^2/NDF : 1203106.6/18

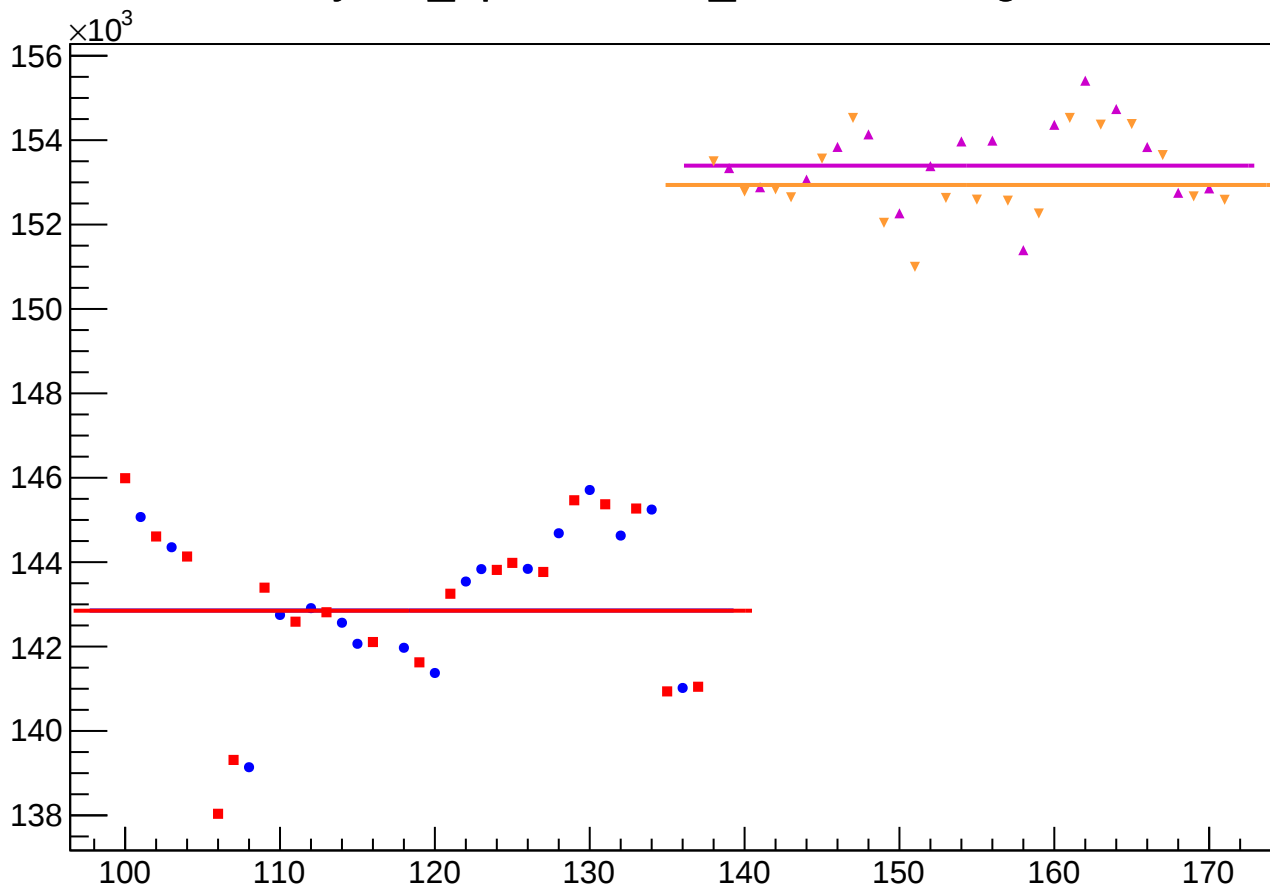
Left In: 197.383+/-0.040 χ^2/NDF : 346825.8/15

+ sign 176.326+/-0.029 χ^2/NDF : 2008101.2/34

All: 174.638+/-0.020 χ^2/NDF : 4329249.6/69

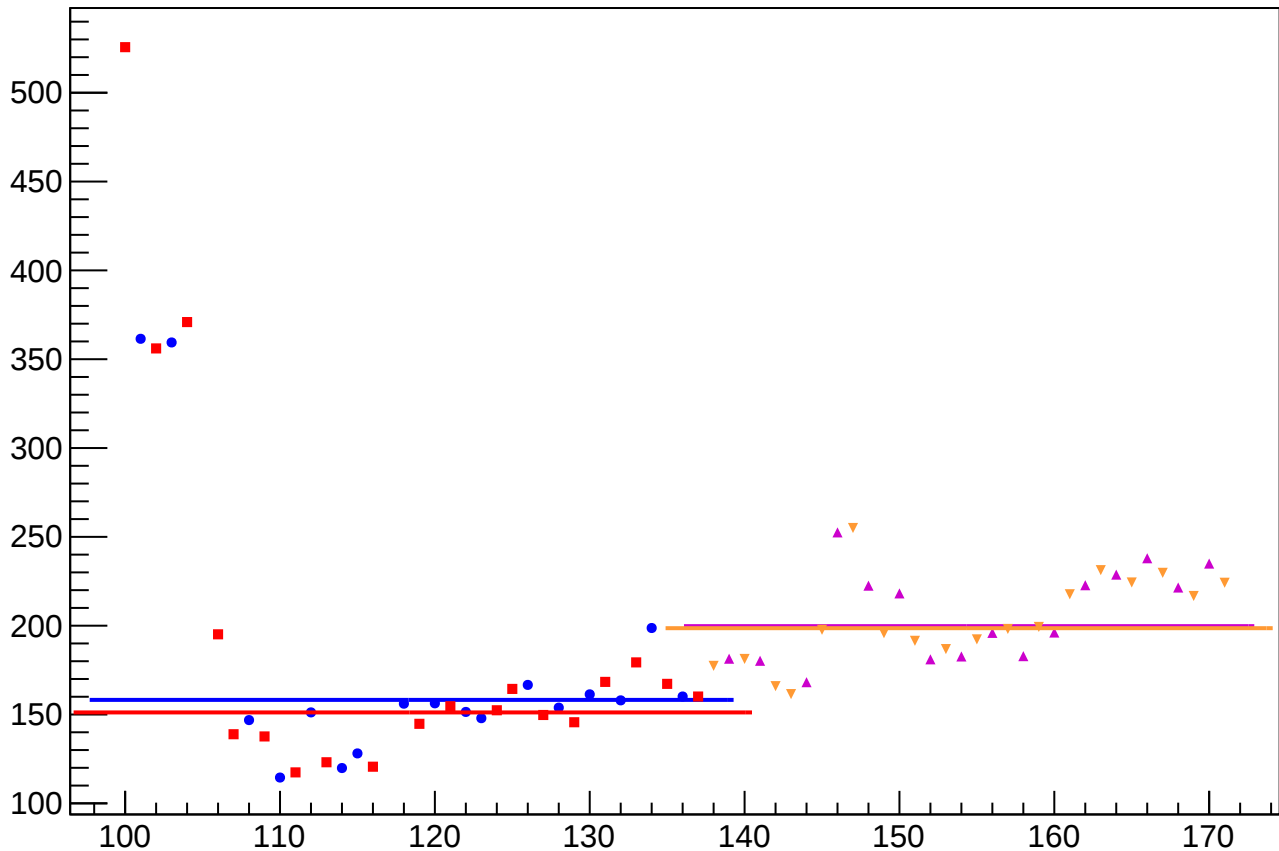
- sign 172.946+/-0.029 χ^2/NDF : 2314338.3/34

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065	χ^2 /NDF: 740367386.5/16	+ sign 148692.038 $\pm$ 0.042	χ^2 /NDF: 15081989119.
Left Out: 152938.206 $\pm$ 0.055	χ^2 /NDF: 262601968.6/17	All: 148533.456 $\pm$ 0.030	χ^2 /NDF: 322136100
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: 198.591 ± 0.039 χ^2/NDF : 336605.7/17

Right Out: 151.174 ± 0.043 χ^2/NDF : 1003301.6/18

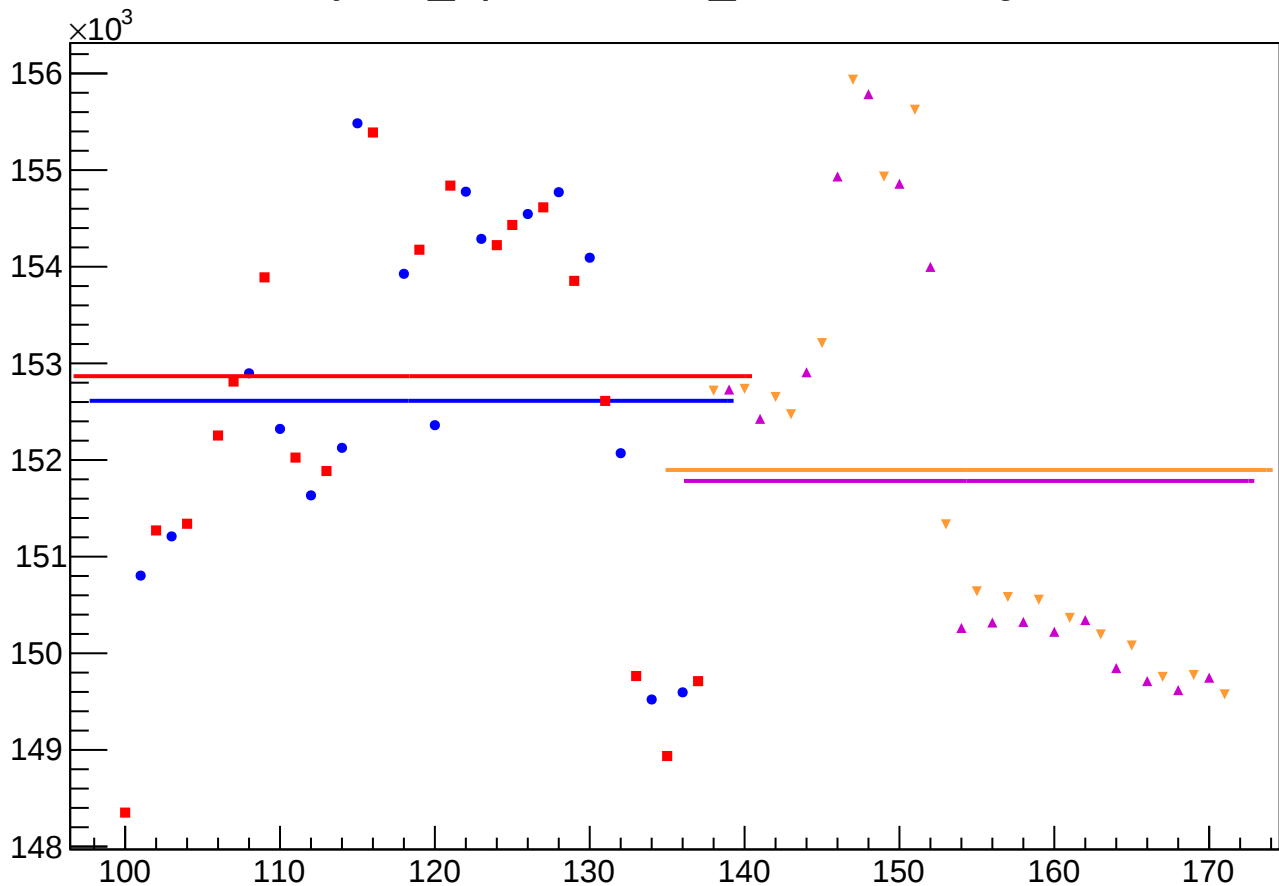
Left In: 199.749 ± 0.041 χ^2/NDF : 349919.9/15

+ sign 181.597 ± 0.030 χ^2/NDF : 1671160.3/34

All: 179.097 ± 0.021 χ^2/NDF : 3716523.9/69

- 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

Left Out: 151897.063 $\pm$ 0.055 χ^2 /NDF: 1168688848.6/17

Right Out: 152867.453 $\pm$ 0.066 χ^2 /NDF: 719075986.4/18

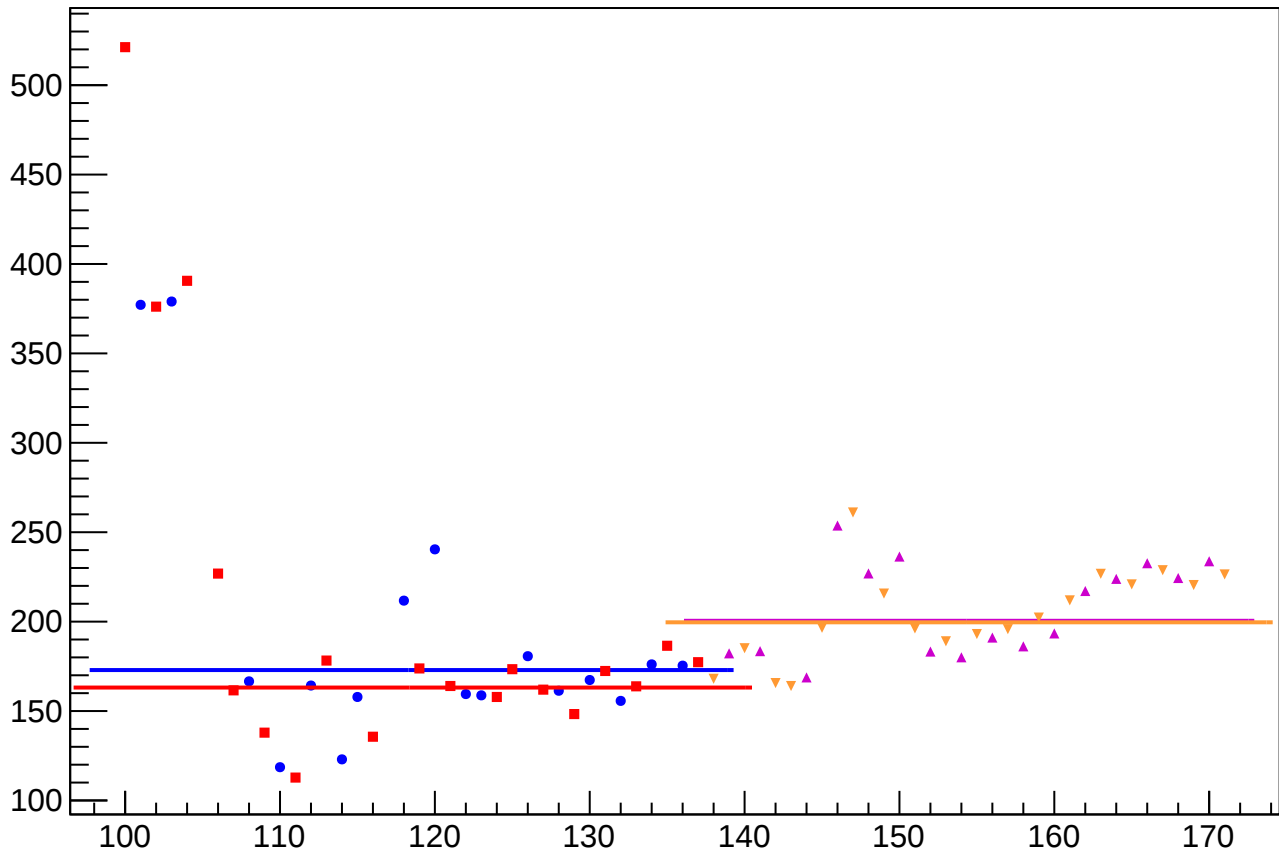
Left In: 151783.516 $\pm$ 0.058 χ^2 /NDF: 1155389720.9/15

+ sign 152161.389 $\pm$ 0.044 χ^2 /NDF: 1852095991.4

All: 152206.420 $\pm$ 0.031 χ^2 /NDF: 388113415

- sign 152250.648 $\pm$ 0.043 χ^2 /NDF: 2026948936.0

yield_bpm0i07WS_rms vs Slug



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 199.620+/-0.039 χ^2/NDF : 357774.2/17

Right Out: 163.138+/-0.047 χ^2/NDF : 1033751.2/18

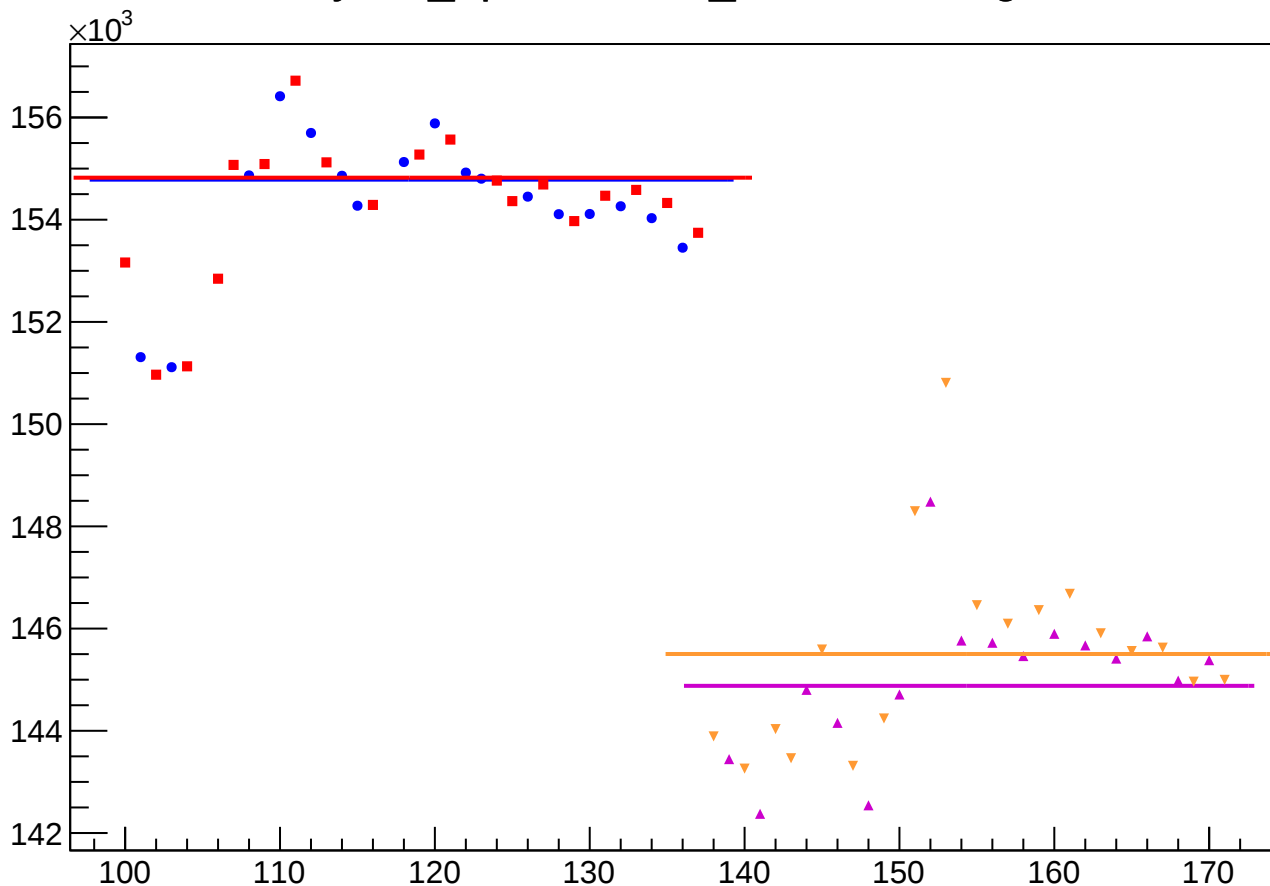
Left In: 200.464+/-0.041 χ^2/NDF : 361636.2/15

+ sign 189.757+/-0.031 χ^2/NDF : 1472356.2/34

All: 187.043+/-0.022 χ^2/NDF : 3244552.7/69

- 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: 145502.661 $\pm$ 0.052 χ^2 /NDF: 1491167775.8/17

Right Out: 154822.113 $\pm$ 0.061 χ^2 /NDF: 293850525.9/18

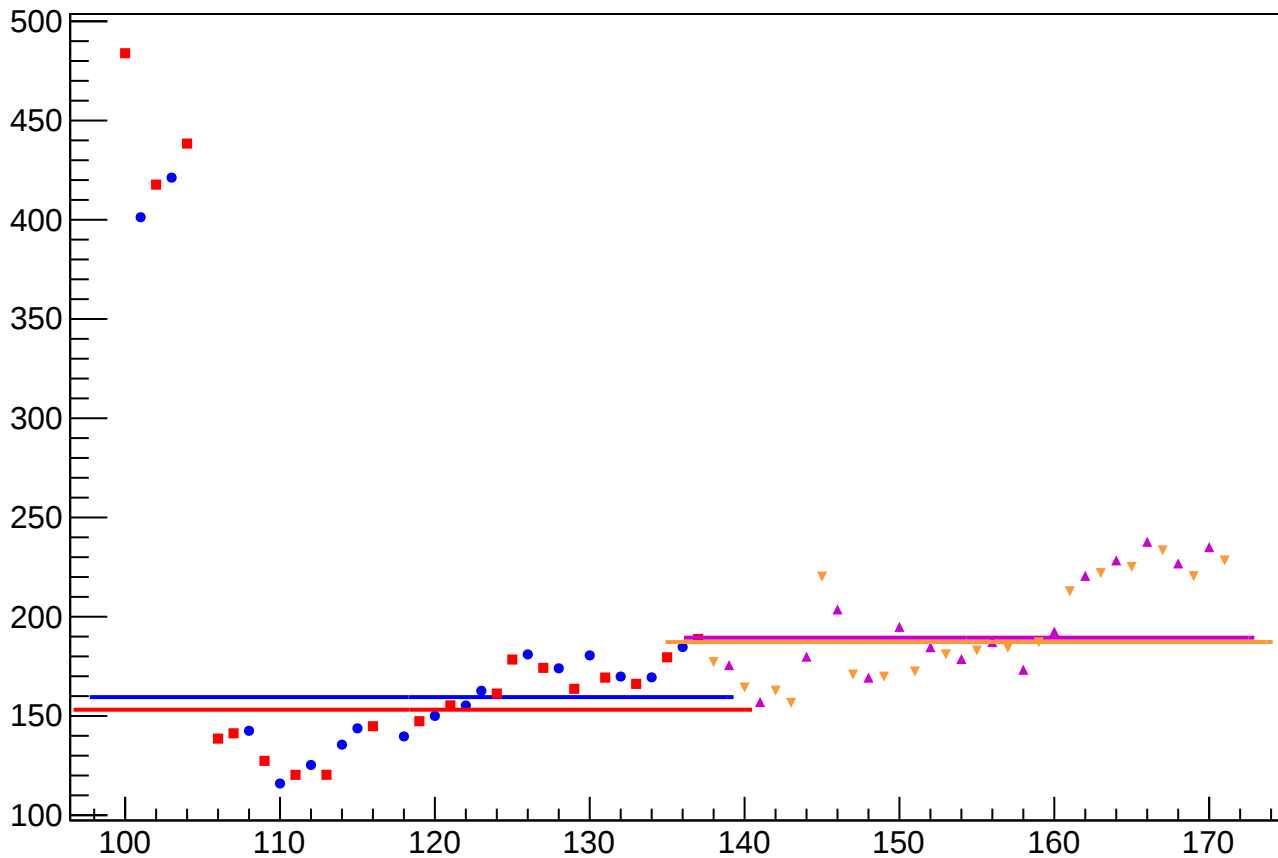
Left In: 144879.711 $\pm$ 0.054 χ^2 /NDF: 826202318.5/15

+ sign 149081.842 $\pm$ 0.041 χ^2 /NDF: 14142237935.9

All: 149183.989 $\pm$ 0.029 χ^2 /NDF: 301222797

- sign 149285.835 $\pm$ 0.041 χ^2 /NDF: 15967396365.7

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 ± 0.046 χ^2/NDF : 1131844.5/16

Left Out: 187.266 ± 0.037 χ^2/NDF : 423263.9/17

Right Out: 153.153 ± 0.043 χ^2/NDF : 1173739.7/18

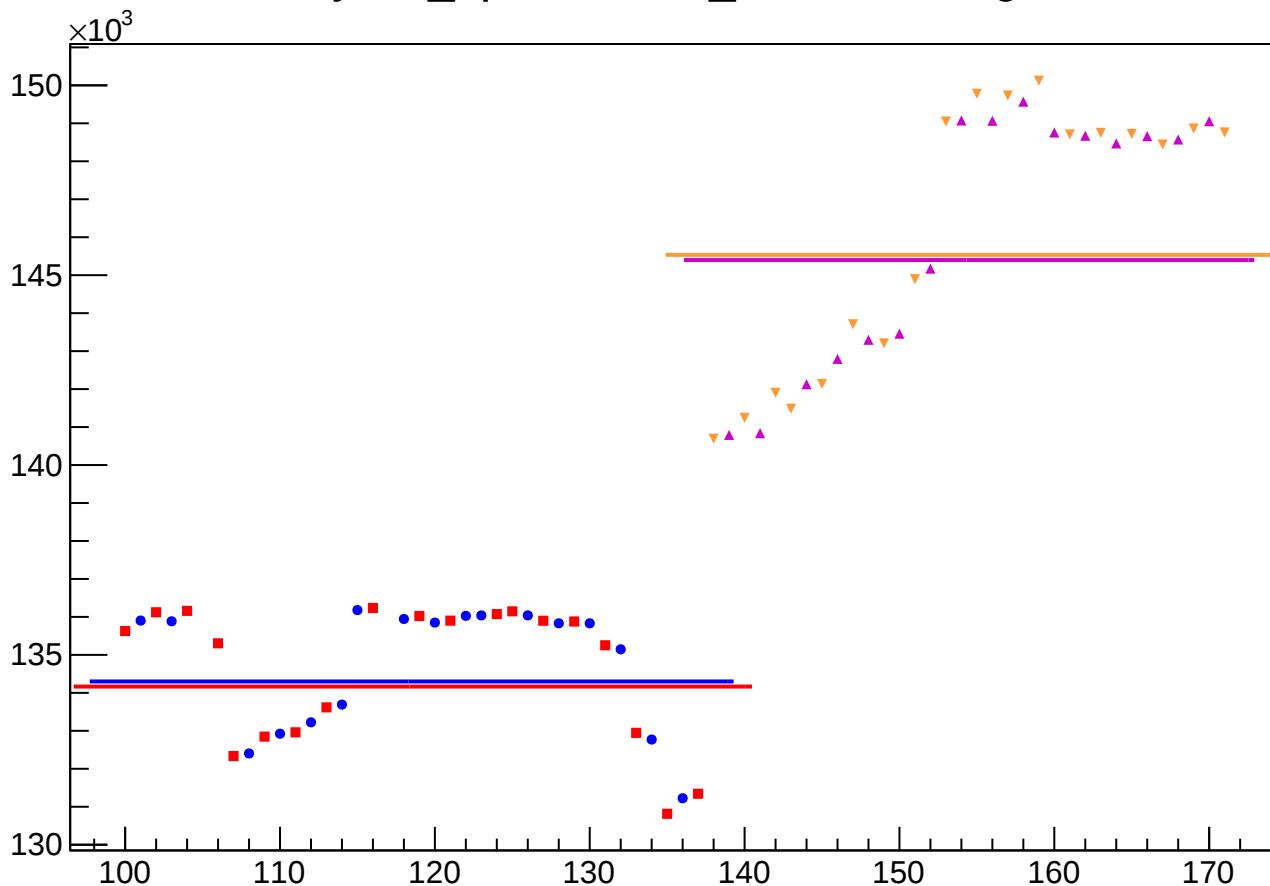
Left In: 189.450 ± 0.038 χ^2/NDF : 352248.2/15

+ sign 176.560 ± 0.029 χ^2/NDF : 1776742.5/34

All: 174.960 ± 0.020 χ^2/NDF : 3704681.1/69

- sign 173.364 ± 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: 145535.916 $\pm$ 0.052 χ^2 /NDF: 4542155616.2/17

Right Out: 134165.615 $\pm$ 0.047 χ^2 /NDF: 1211471052.4/18

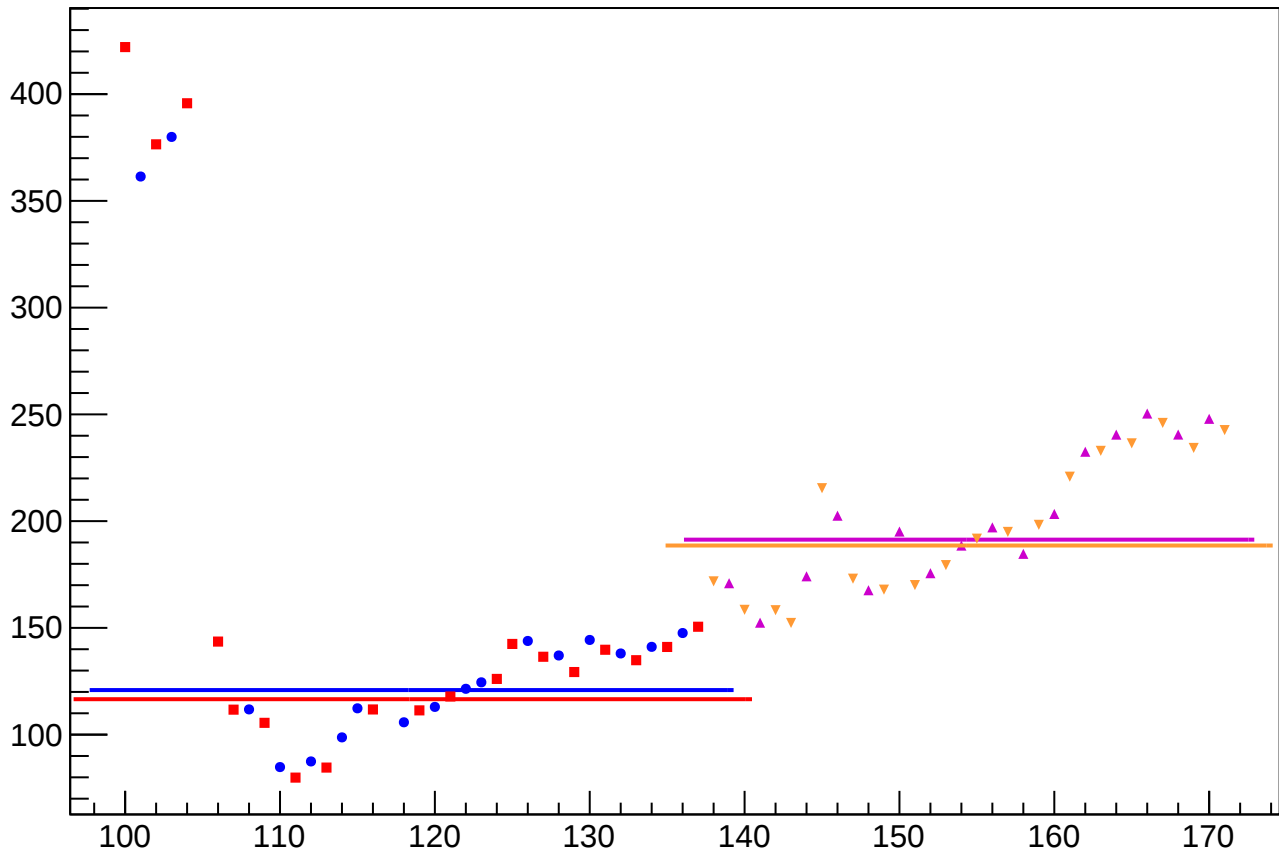
Left In: 145398.573 $\pm$ 0.055 χ^2 /NDF: 3746830517.9/15

+ sign 139696.337 $\pm$ 0.036 χ^2 /NDF: 29616090472.

All: 139316.261 $\pm$ 0.026 χ^2 /NDF: 586875709

- sign 138943.827 $\pm$ 0.036 χ^2 /NDF: 28854338614.7

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 188.581 $\pm$ 0.037 χ^2 /NDF: 620918.1/17

+ sign 153.391 $\pm$ 0.026 χ^2 /NDF: 3822234.7/34

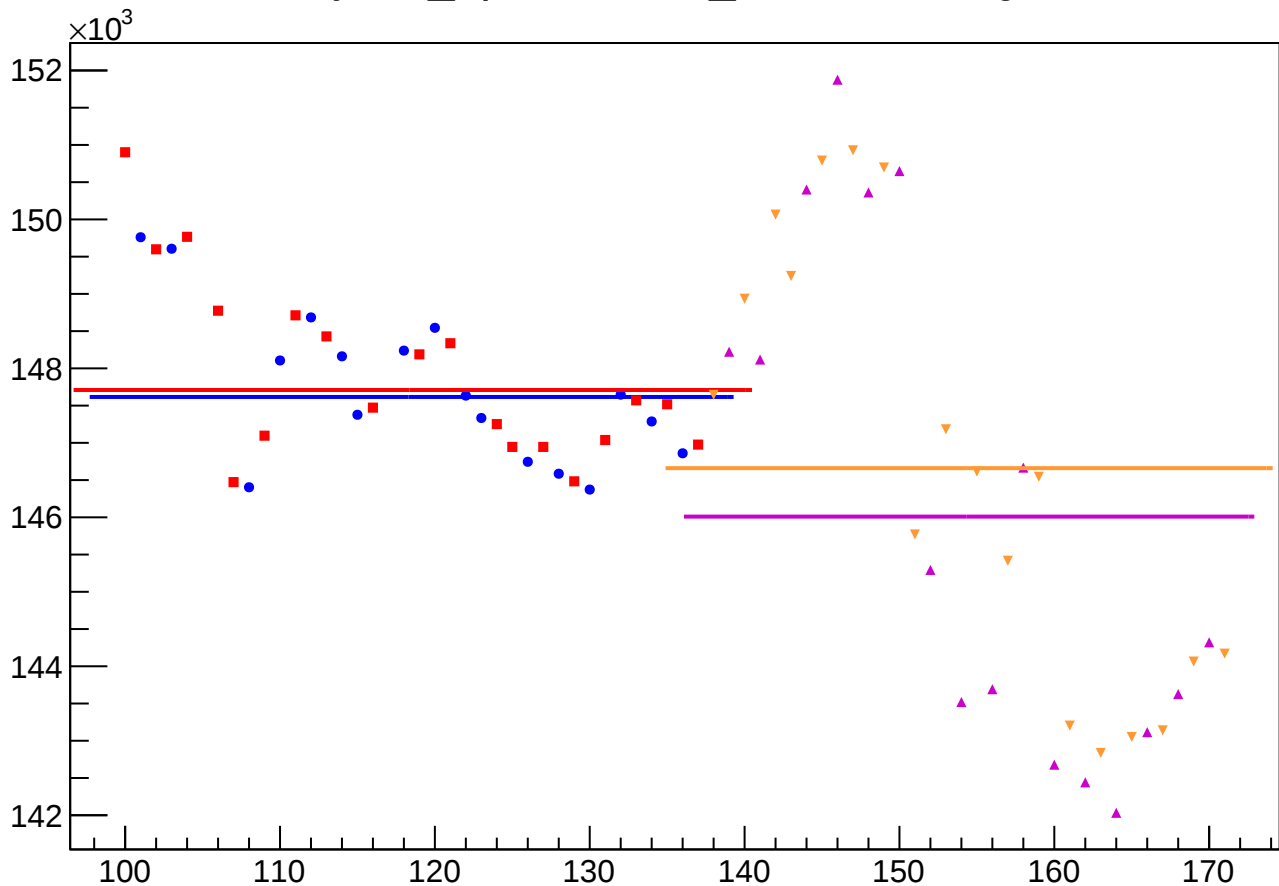
Right Out: 116.595 $\pm$ 0.034 χ^2 /NDF: 1541338.5/18

All: 150.862 $\pm$ 0.018 χ^2 /NDF: 8011729.5/69

- sign 148.384 $\pm$ 0.025 χ^2 /NDF: 4170265.0/34

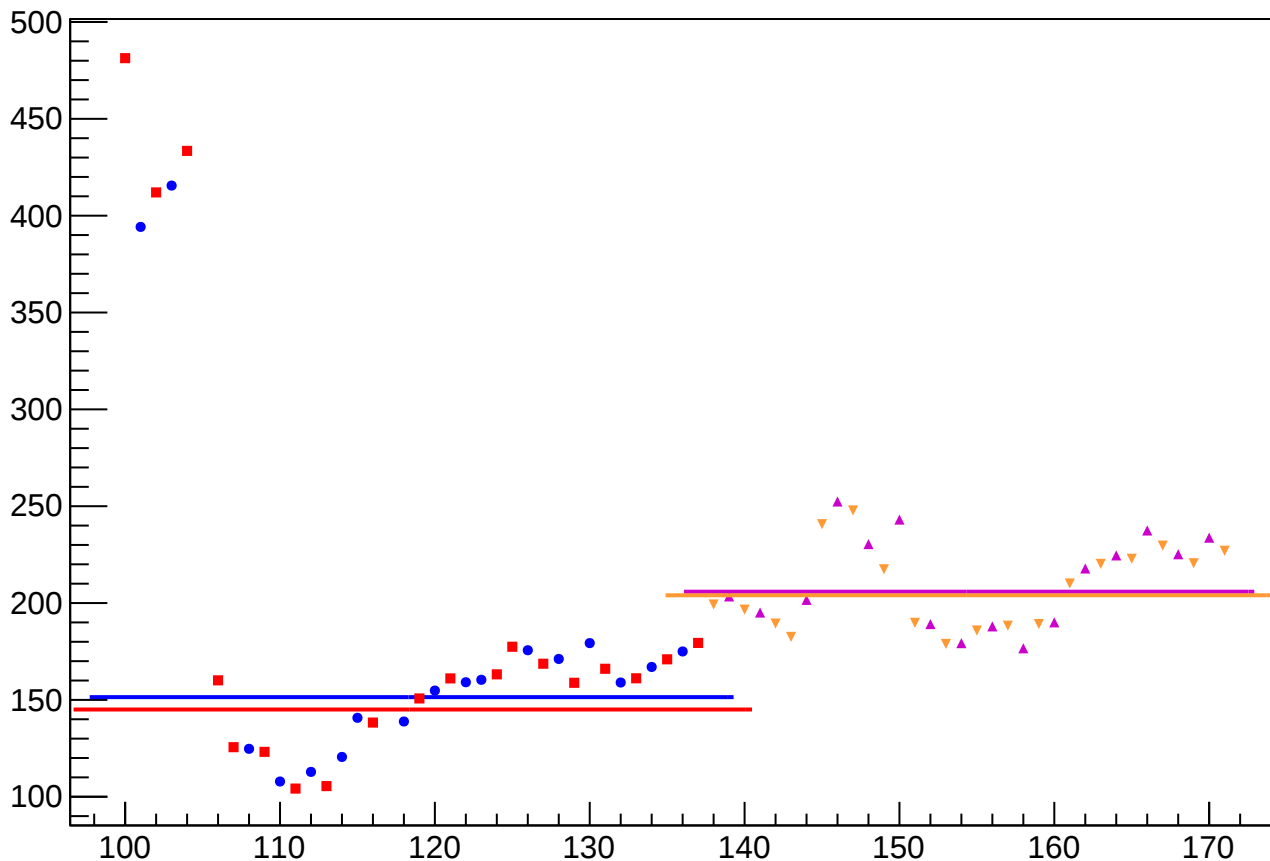
Left In: 191.327 $\pm$ 0.039 χ^2 /NDF: 513557.2/15

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 ± 0.062 χ^2/NDF : 199263428.7/16
 Left Out: 146660.247 ± 0.056 χ^2/NDF : 2147738764.9/17
 Right Out: 147709.723 ± 0.058 χ^2/NDF : 203906685.9/18
 Left In: 146009.611 ± 0.059 χ^2/NDF : 2747226840.0/15

yield_bpm1i06WS_rms vs Slug



Right In: 151.424+/-0.044 χ^2/NDF : 1257843.0/16

Left Out: 204.012+/-0.040 χ^2/NDF : 253468.2/17

Right Out: 145.039+/-0.041 χ^2/NDF : 1375972.0/18

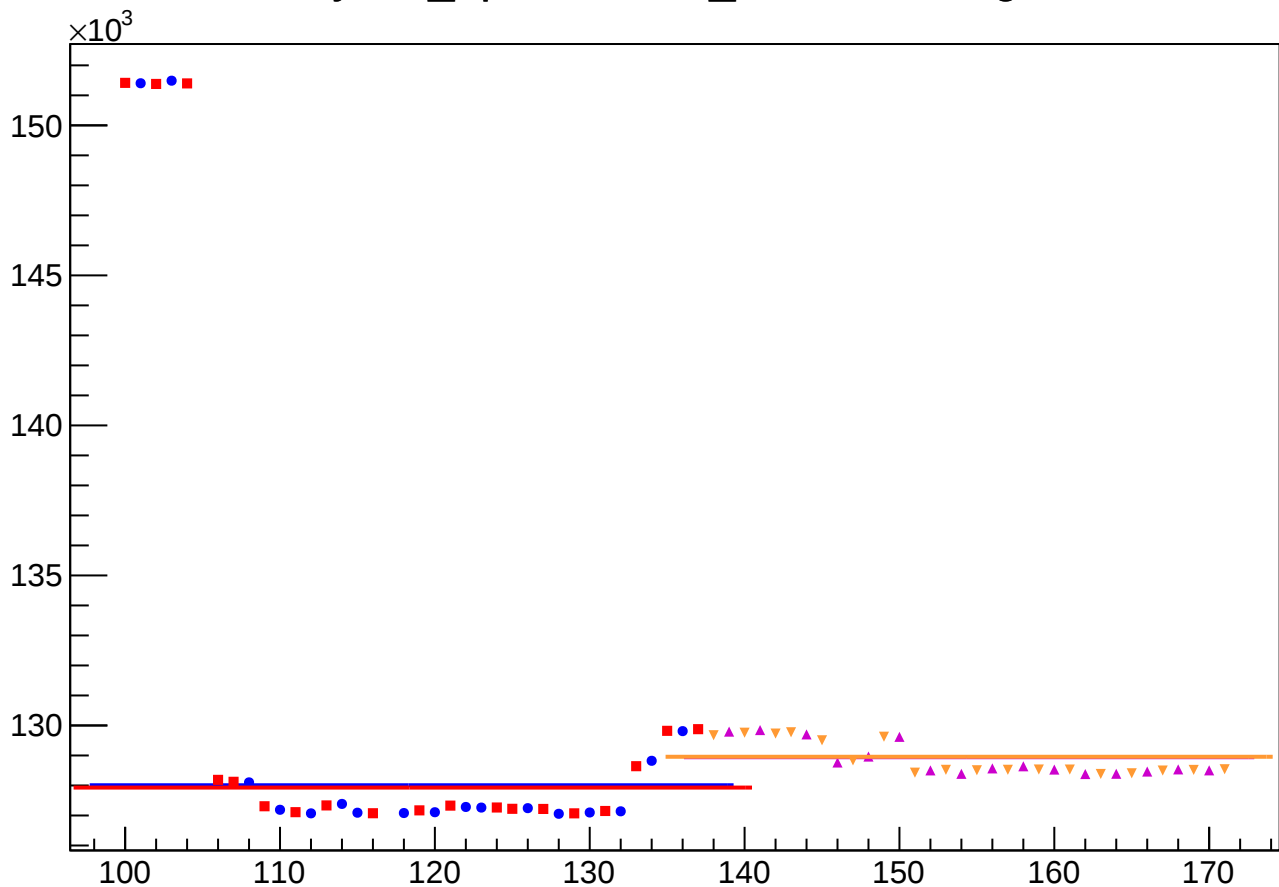
Left In: 205.857+/-0.042 χ^2/NDF : 303567.6/15

+ sign 180.446+/-0.030 χ^2/NDF : 2293131.0/34

All: 177.749+/-0.021 χ^2/NDF : 5063847.5/69

- sign 175.096+/-0.029 χ^2/NDF : 2754225.2/34

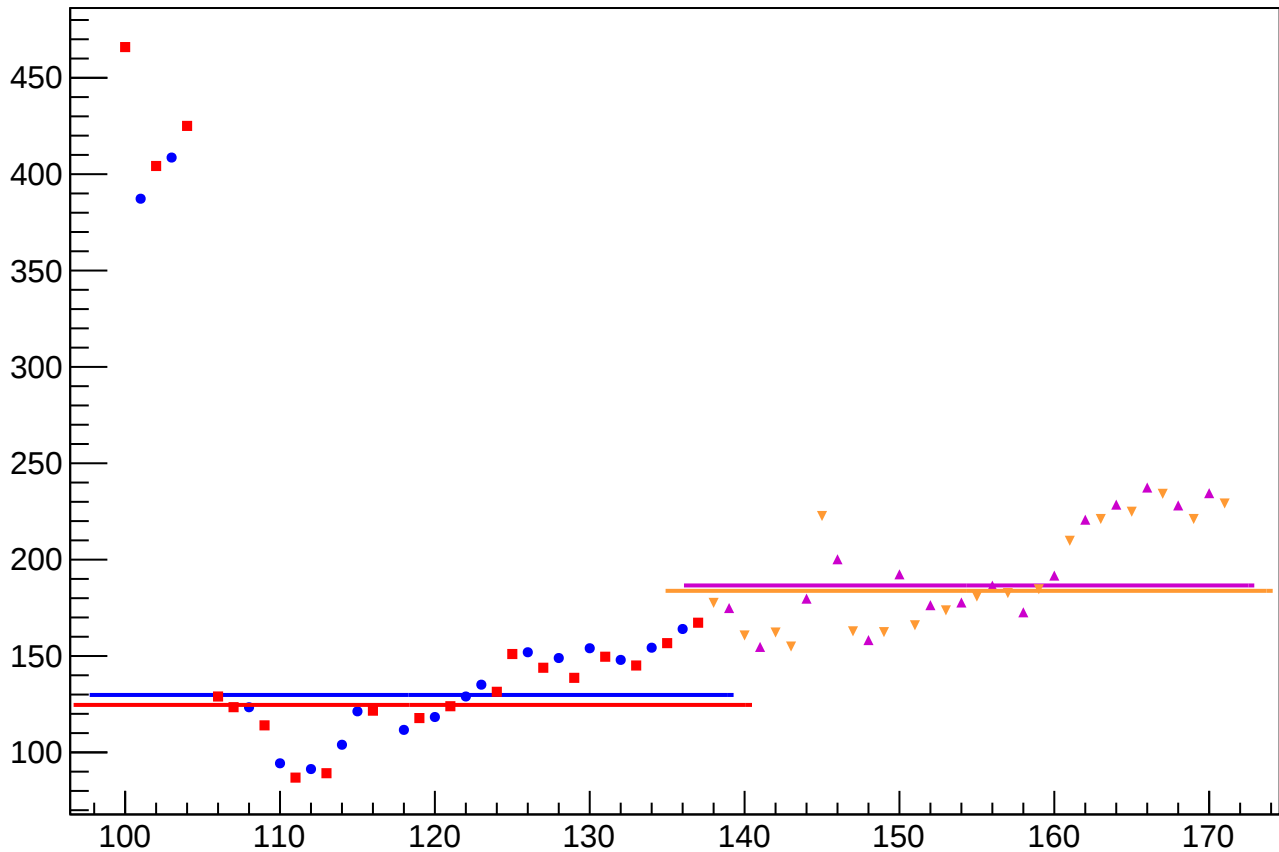
yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 ± 0.054 $\chi^2/\text{NDF}: 4319785674.5/16$
 Left Out: 128956.906 ± 0.051 $\chi^2/\text{NDF}: 124146181.1/17$
 Right Out: 127930.136 ± 0.050 $\chi^2/\text{NDF}: 3768176193.0/18$
 Left In: 128941.665 ± 0.054 $\chi^2/\text{NDF}: 109379717.0/15$

+ sign 128511.574 ± 0.037 $\chi^2/\text{NDF}: 4607369061.0/19$
 All: 128457.666 ± 0.026 $\chi^2/\text{NDF}: 867827600.0/20$
 - sign 128404.807 ± 0.037 $\chi^2/\text{NDF}: 4066717672.6/21$

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 183.817 $\pm$ 0.036 χ^2 /NDF: 502204.7/17

+ sign 158.481 $\pm$ 0.026 χ^2 /NDF: 3045473.1/34

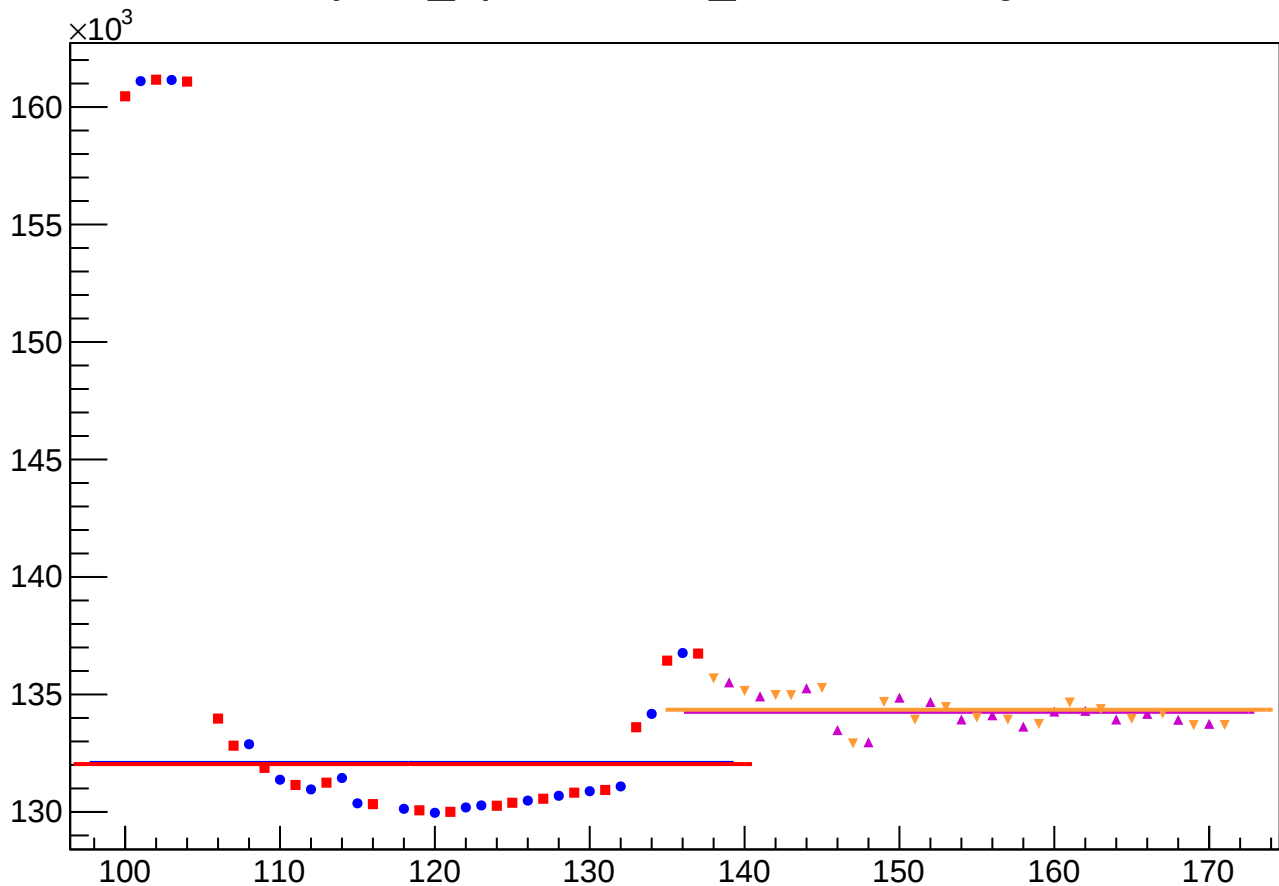
Right Out: 124.625 $\pm$ 0.036 χ^2 /NDF: 1531827.4/18

All: 156.073 $\pm$ 0.018 χ^2 /NDF: 6422732.4/69

- sign 153.712 $\pm$ 0.026 χ^2 /NDF: 3360541.6/34

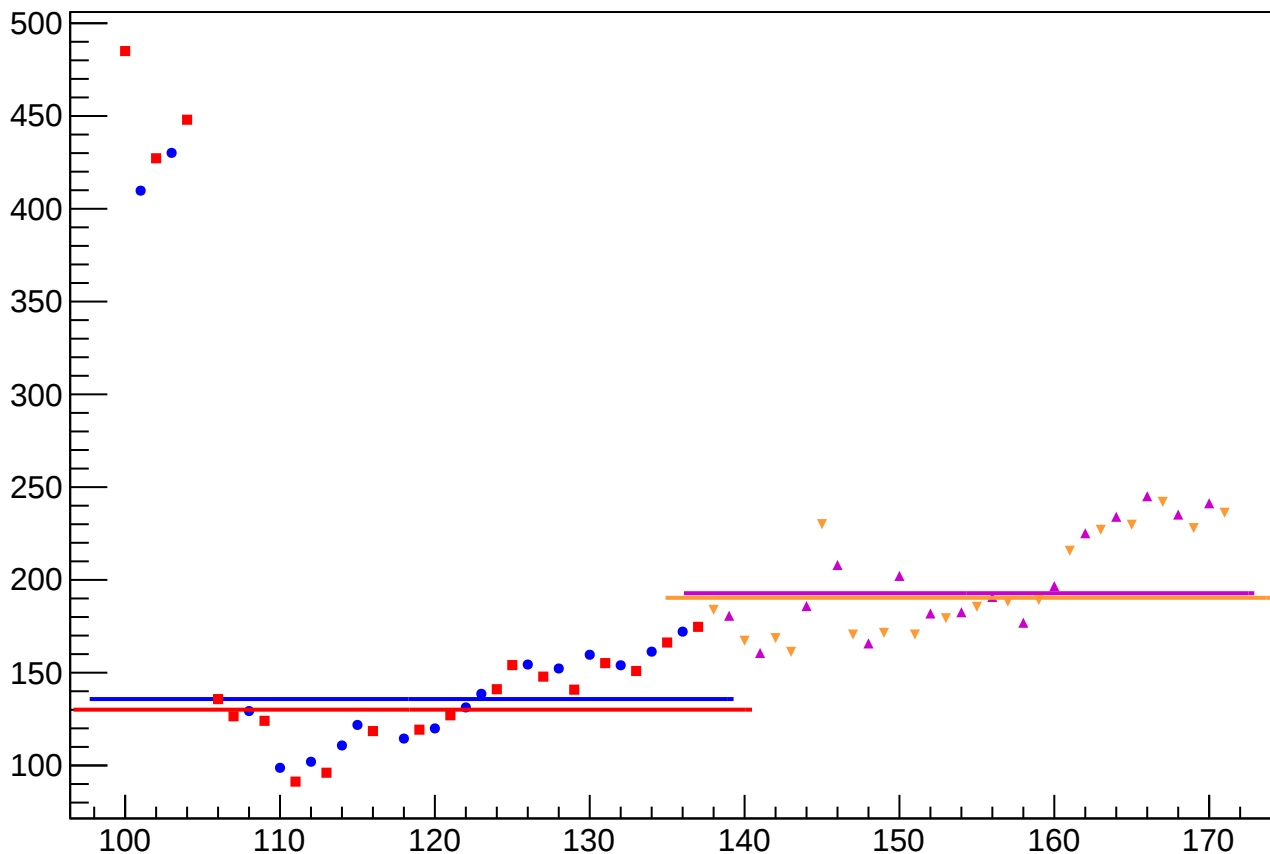
Left In: 186.610 $\pm$ 0.038 χ^2 /NDF: 408045.7/15

yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2/NDF : 6733230928.7/16
 Left Out: 134350.215 $\pm$ 0.053 χ^2/NDF : 176990397.7/17
 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
 All: 133194.175 $\pm$ 0.027 χ^2/NDF : 146786249
 + sign 133298.701 $\pm$ 0.039 χ^2/NDF : 7768741473.9
 - sign 133091.940 $\pm$ 0.038 χ^2/NDF : 6895323490.5

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 190.350 $\pm$ 0.037 χ^2 /NDF: 469991.0/17

Right Out: 130.070 $\pm$ 0.037 χ^2 /NDF: 1503997.6/18

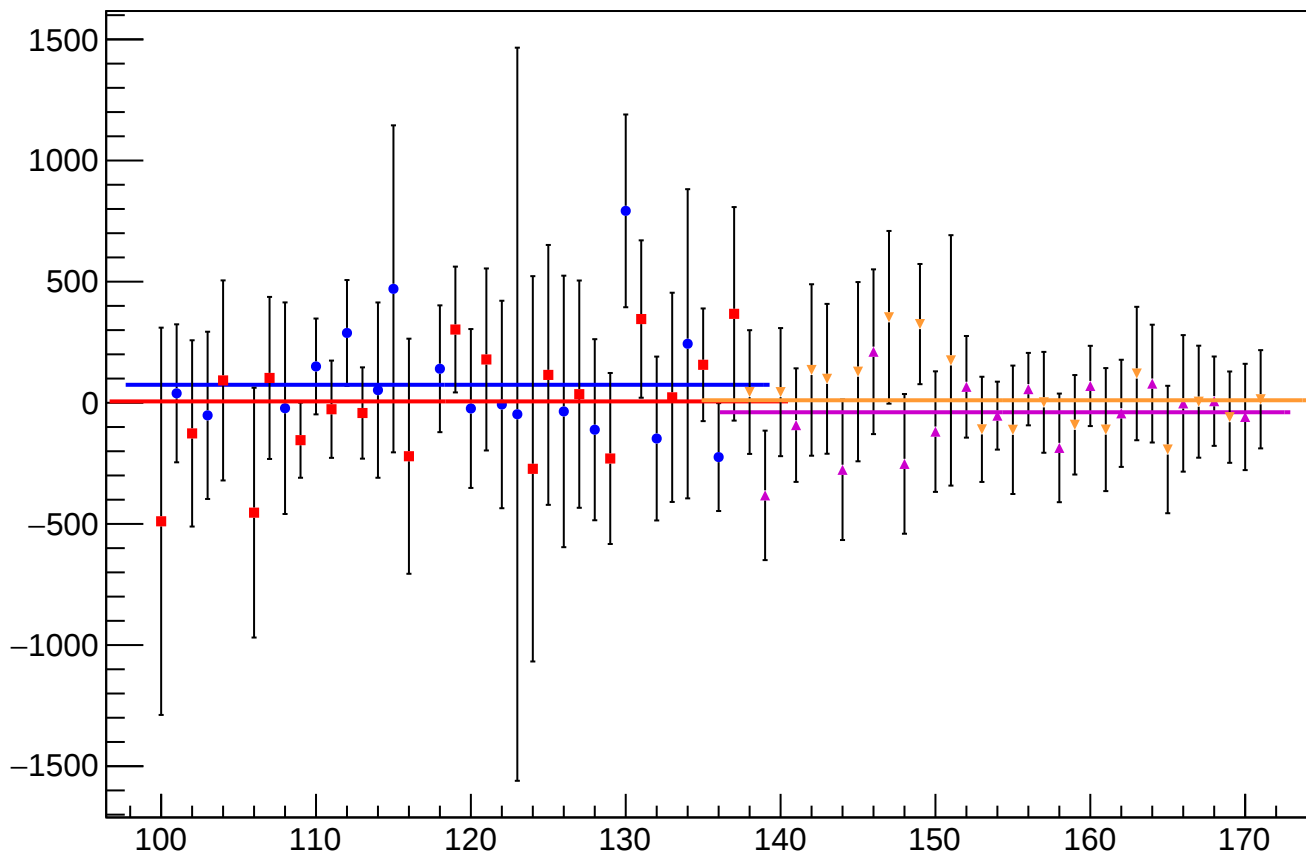
Left In: 192.830 $\pm$ 0.039 χ^2 /NDF: 390476.9/15

+ sign 165.006 $\pm$ 0.027 χ^2 /NDF: 2909362.5/34

All: 162.379 $\pm$ 0.019 χ^2 /NDF: 6175066.5/69

- 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: 10.417+/-59.778 χ^2/NDF : 4.9/17

Right Out: 5.739+/-70.069 χ^2/NDF : 7.1/18

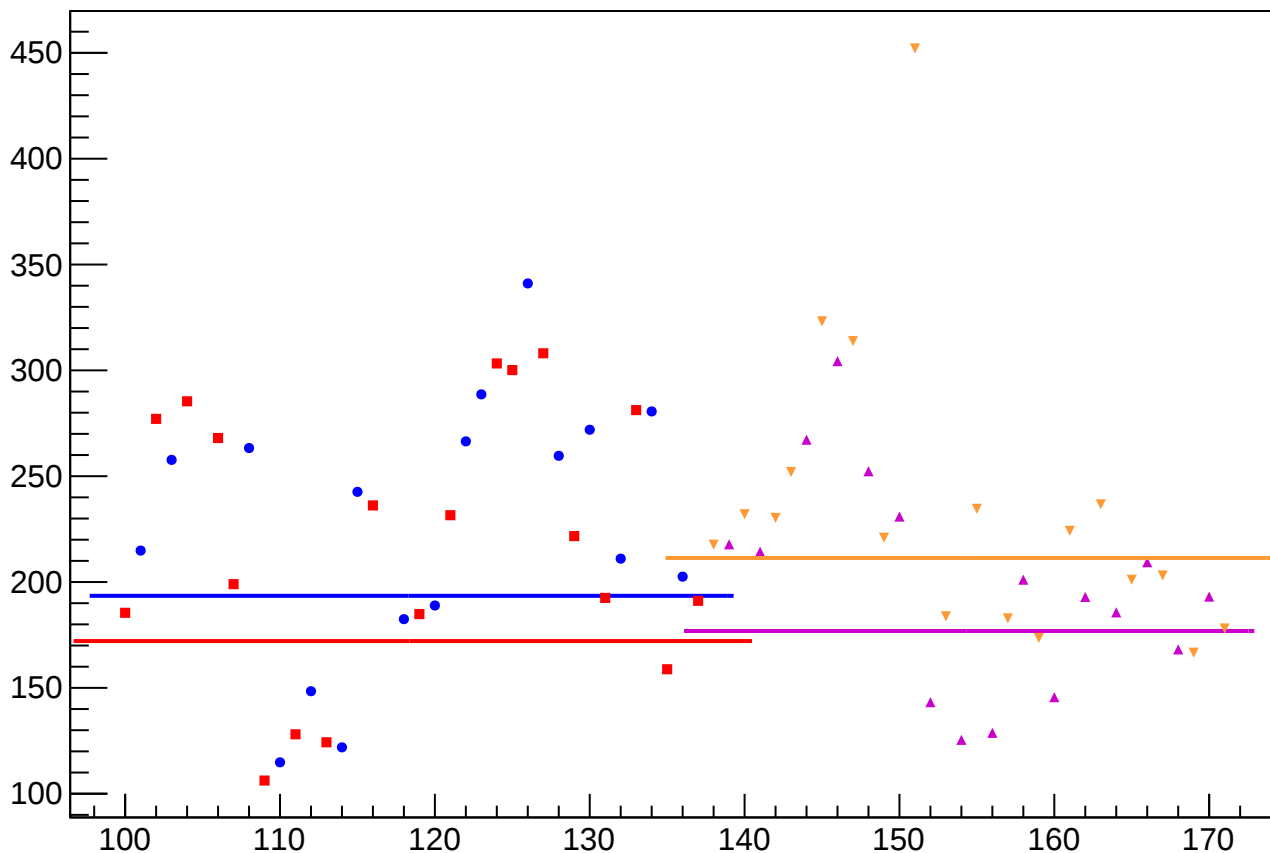
Left In: -39.052+/-53.018 χ^2/NDF : 5.4/15

+ sign 33.668+/-47.673 χ^2/NDF : 13.0/34

All: 2.091+/-31.632 χ^2/NDF : 26.5/69

- sign -22.744+/-42.279 χ^2/NDF : 12.8/34

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 ± 0.056 χ^2/NDF : 1017195.7/16

Left Out: 211.369 ± 0.042 χ^2/NDF : 1185558.8/17

Right Out: 172.122 ± 0.050 χ^2/NDF : 1579840.2/18

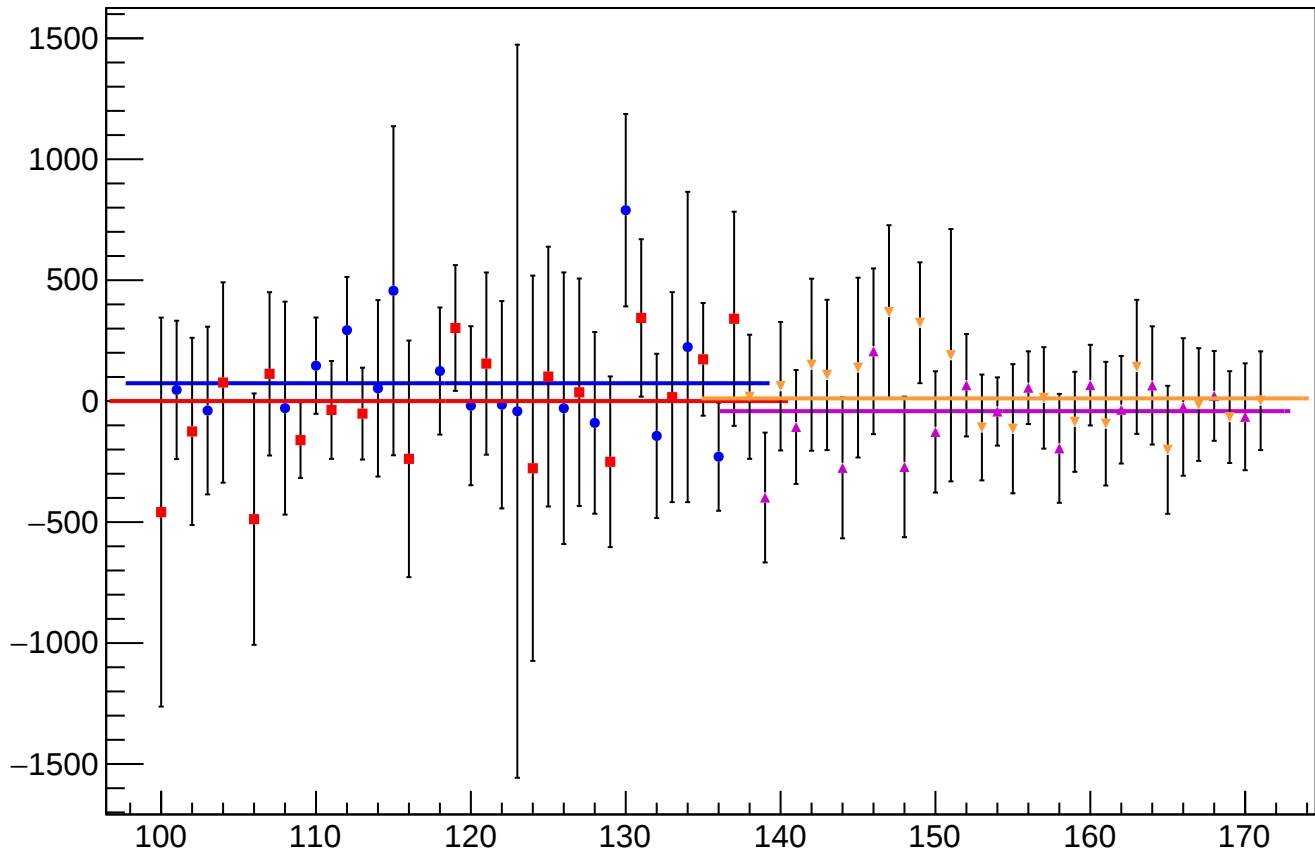
Left In: 176.862 ± 0.037 χ^2/NDF : 1482288.4/15

+ sign 204.860 ± 0.034 χ^2/NDF : 2267888.3/34

All: 188.222 ± 0.022 χ^2/NDF : 5771038.6/69

- sign 175.136 ± 0.030 χ^2/NDF : 3067946.8/34

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098 $\pm$ 79.404 χ^2 /NDF: 7.6/16

Left Out: 11.500 $\pm$ 60.170 χ^2 /NDF: 5.0/17

Right Out: 0.503 $\pm$ 70.437 χ^2 /NDF: 7.3/18

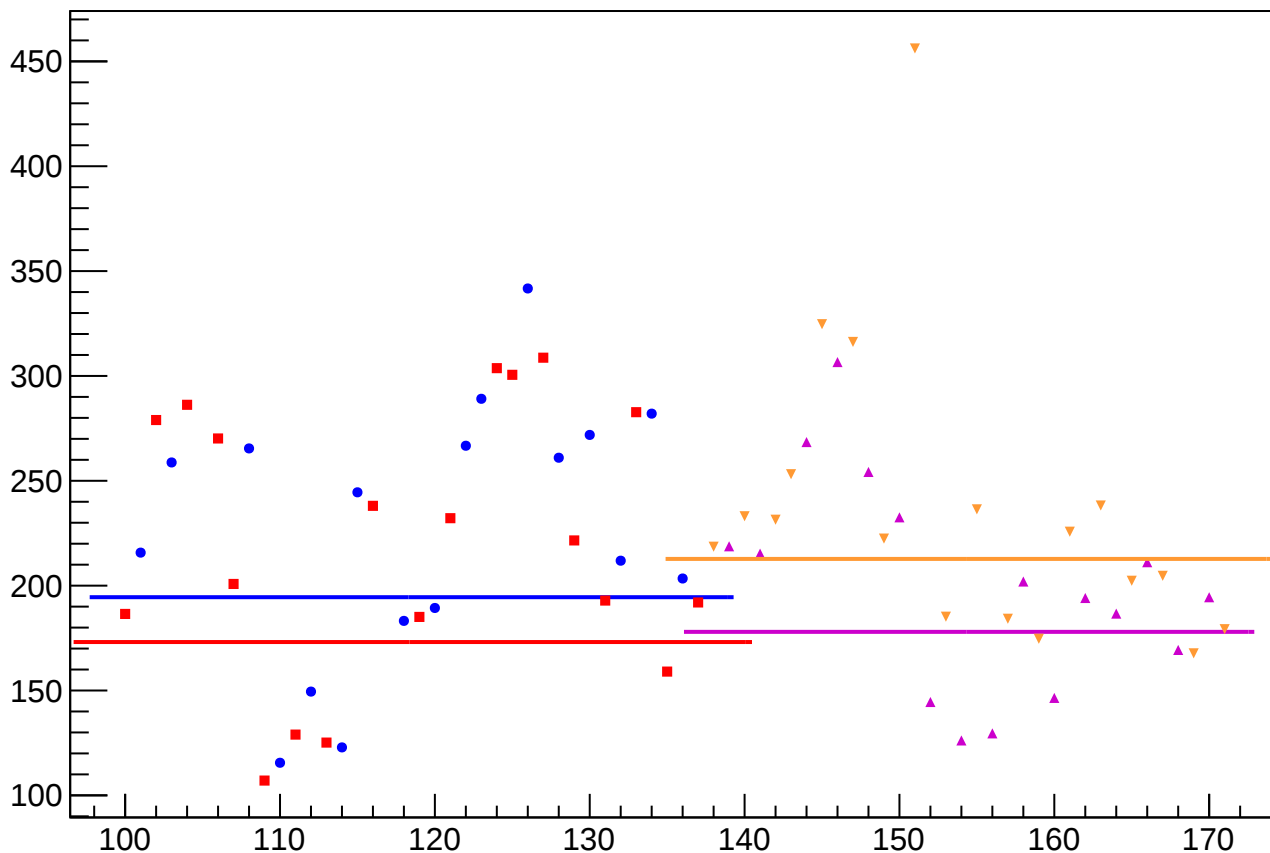
Left In: -41.234 $\pm$ 53.351 χ^2 /NDF: 5.6/15

+ sign 34.333 $\pm$ 47.956 χ^2 /NDF: 13.0/34

All: 0.550 $\pm$ 31.819 χ^2 /NDF: 27.0/69

- sign -26.018 $\pm$ 42.528 χ^2 /NDF: 13.2/34

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 212.750 $\pm$ 0.043 χ^2 /NDF:1184471.3/17

Right Out: 173.111 $\pm$ 0.050 χ^2 /NDF: 1567374.3/18

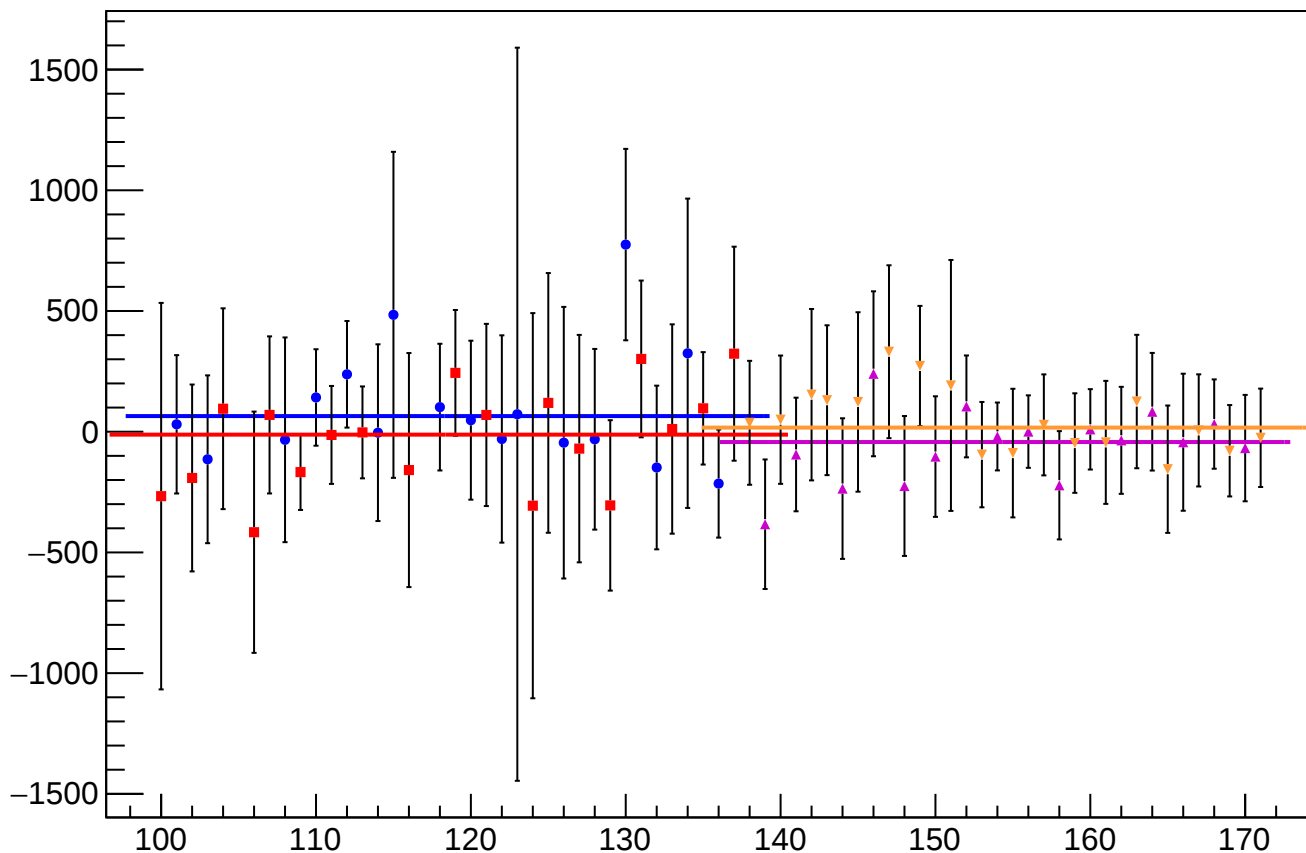
Left In: 177.967 $\pm$ 0.038 χ^2 /NDF:1481039.2/15

+ sign 206.092 $\pm$ 0.034 χ^2 /NDF: 2260126.3/34

All: 189.357 $\pm$ 0.022 χ^2 /NDF: 5749642.2/69

- sign 176.197 $\pm$ 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: 17.093 ± 60.034 χ^2/NDF : 3.8/17

Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

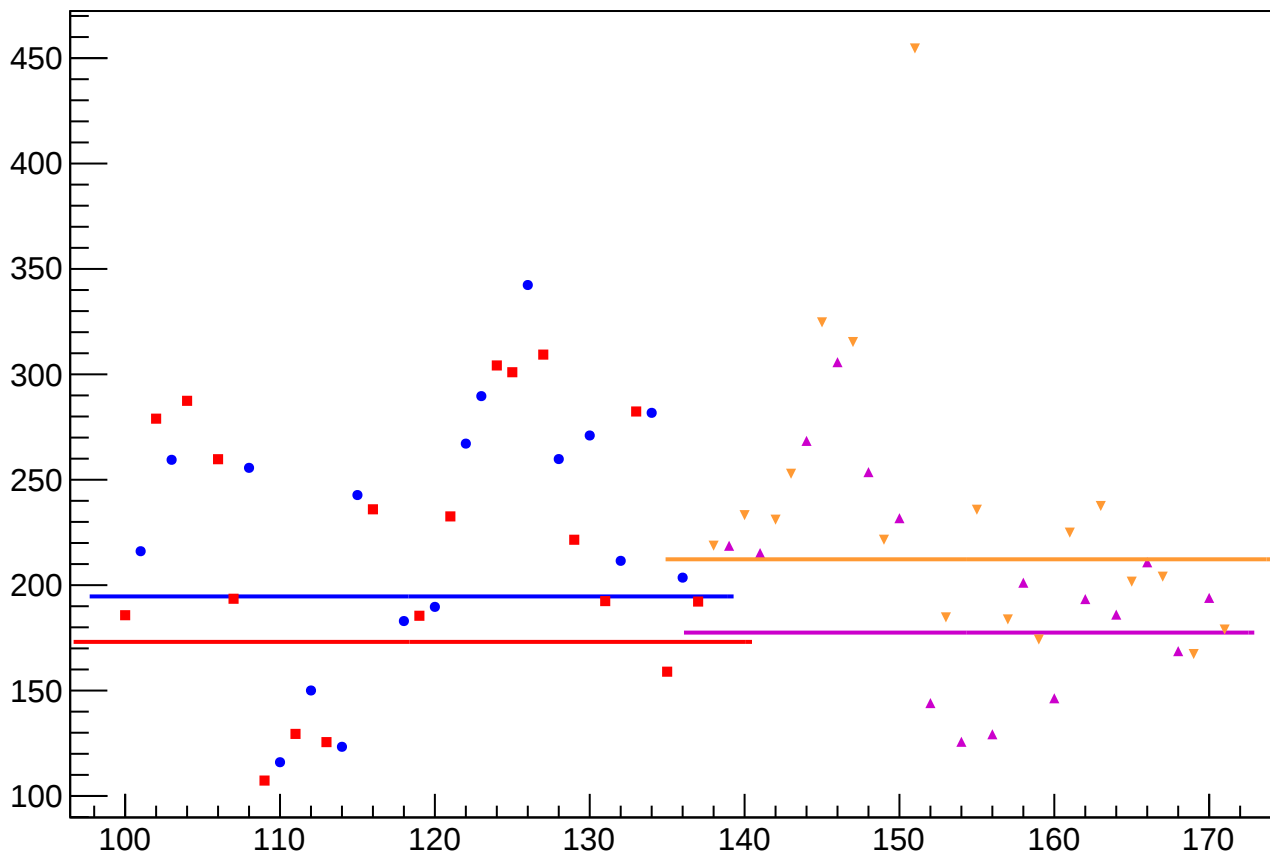
Left In: -42.749 ± 53.213 χ^2/NDF : 5.0/15

+ sign 34.421 ± 47.886 χ^2/NDF : 11.0/34

All: -2.551 ± 31.762 χ^2/NDF : 23.0/69

- 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: 212.263 $\pm$ 0.042 χ^2 /NDF:1186086.7/17

Right Out: 173.089 $\pm$ 0.050 χ^2 /NDF: 1544540.9/18

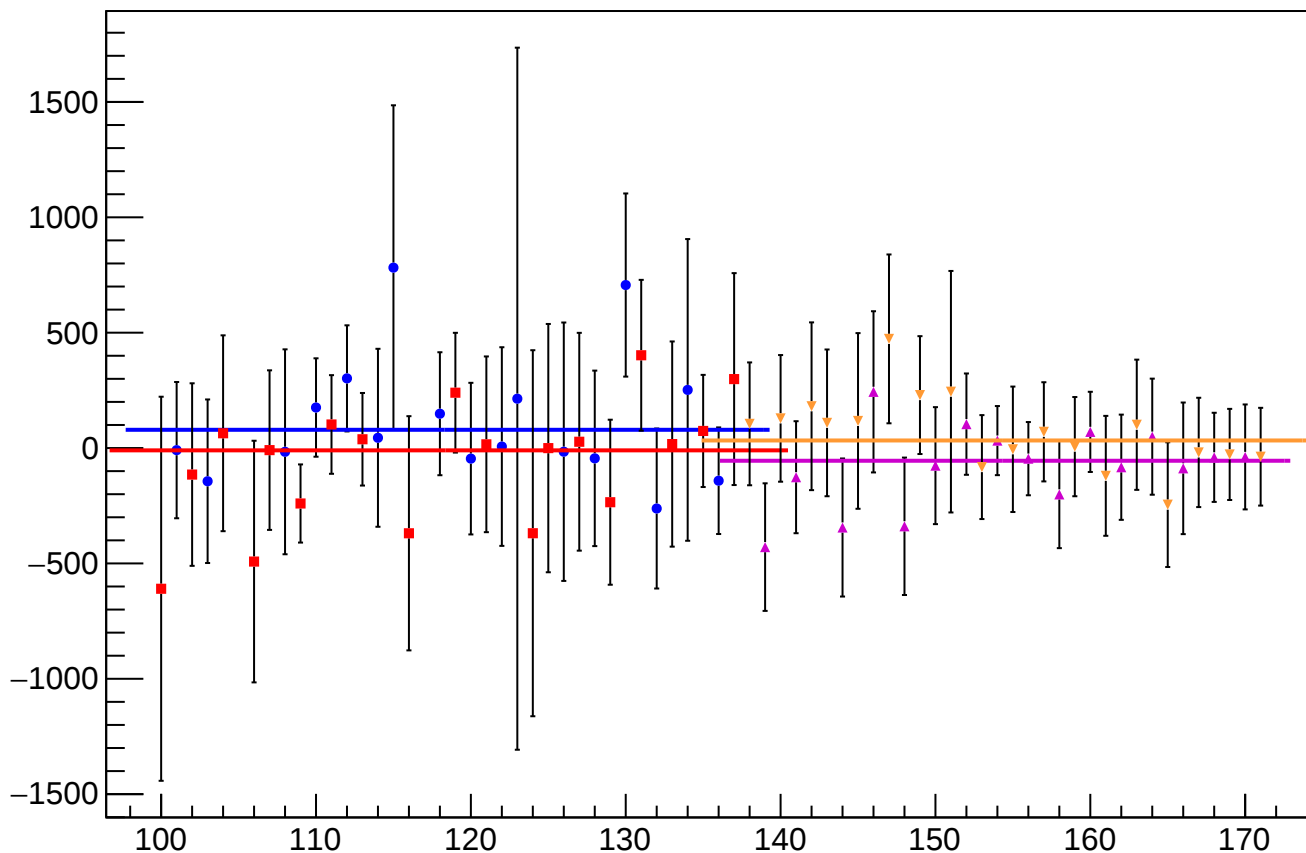
Left In: 177.496 $\pm$ 0.038 χ^2 /NDF:1484737.7/15

+ sign 205.857 $\pm$ 0.034 χ^2 /NDF: 2235493.5/34

All: 189.075 $\pm$ 0.022 χ^2 /NDF: 5708356.9/69

- sign 175.892 $\pm$ 0.030 χ^2 /NDF: 3034270.0/34

asym_bcm_dg_us_mean vs Slug



Right In: 79.128 ± 81.874 χ^2/NDF : 7.5/16

Left Out: 32.874 ± 61.834 χ^2/NDF : 4.7/17

Right Out: -9.982 ± 73.310 χ^2/NDF : 7.9/18

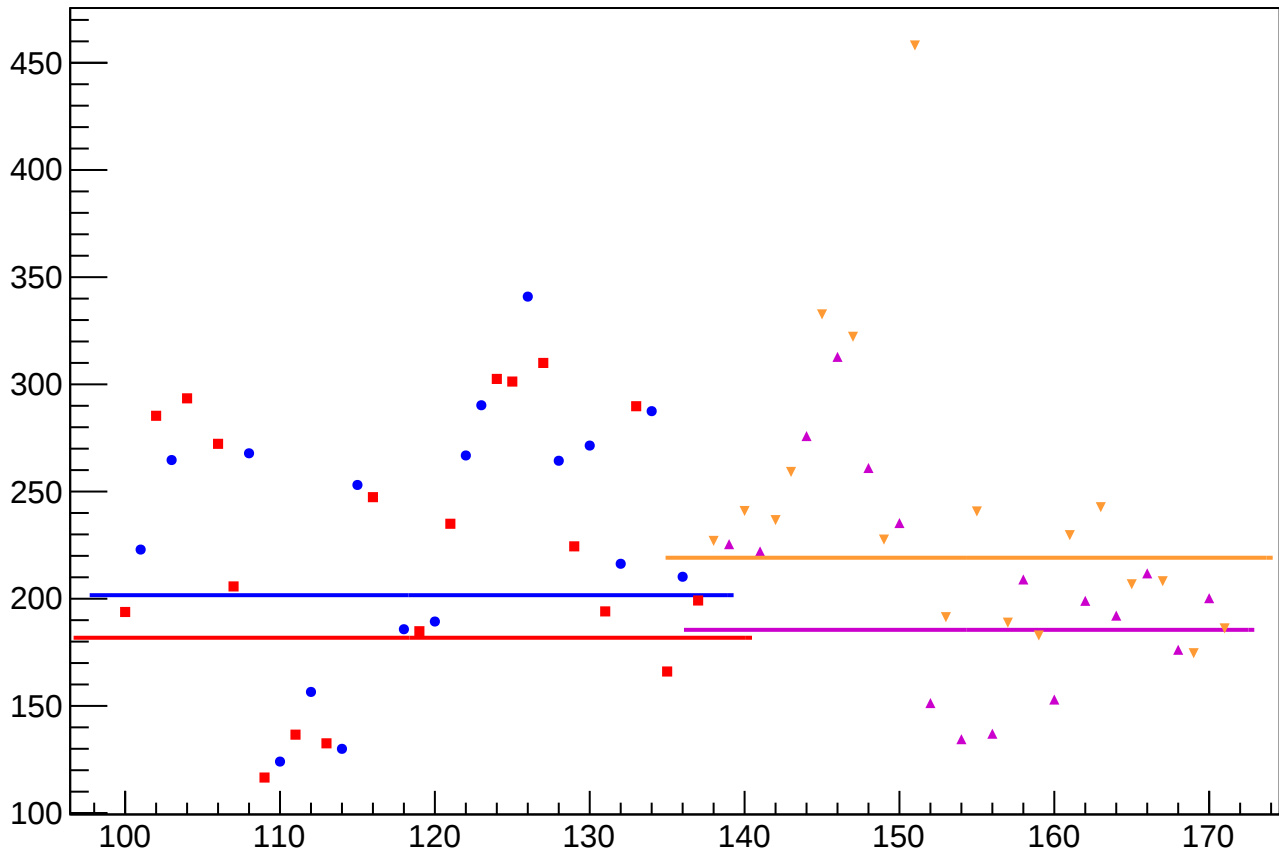
Left In: -55.040 ± 55.355 χ^2/NDF : 6.5/15

+ sign 49.674 ± 49.343 χ^2/NDF : 12.4/34

All: 0.631 ± 32.913 χ^2/NDF : 28.8/69

- sign -38.678 ± 44.176 χ^2/NDF : 14.6/34

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 219.121 $\pm$ 0.044 χ^2 /NDF: 1121901.7/17

Right Out: 181.797 $\pm$ 0.052 χ^2 /NDF: 1377449.9/18

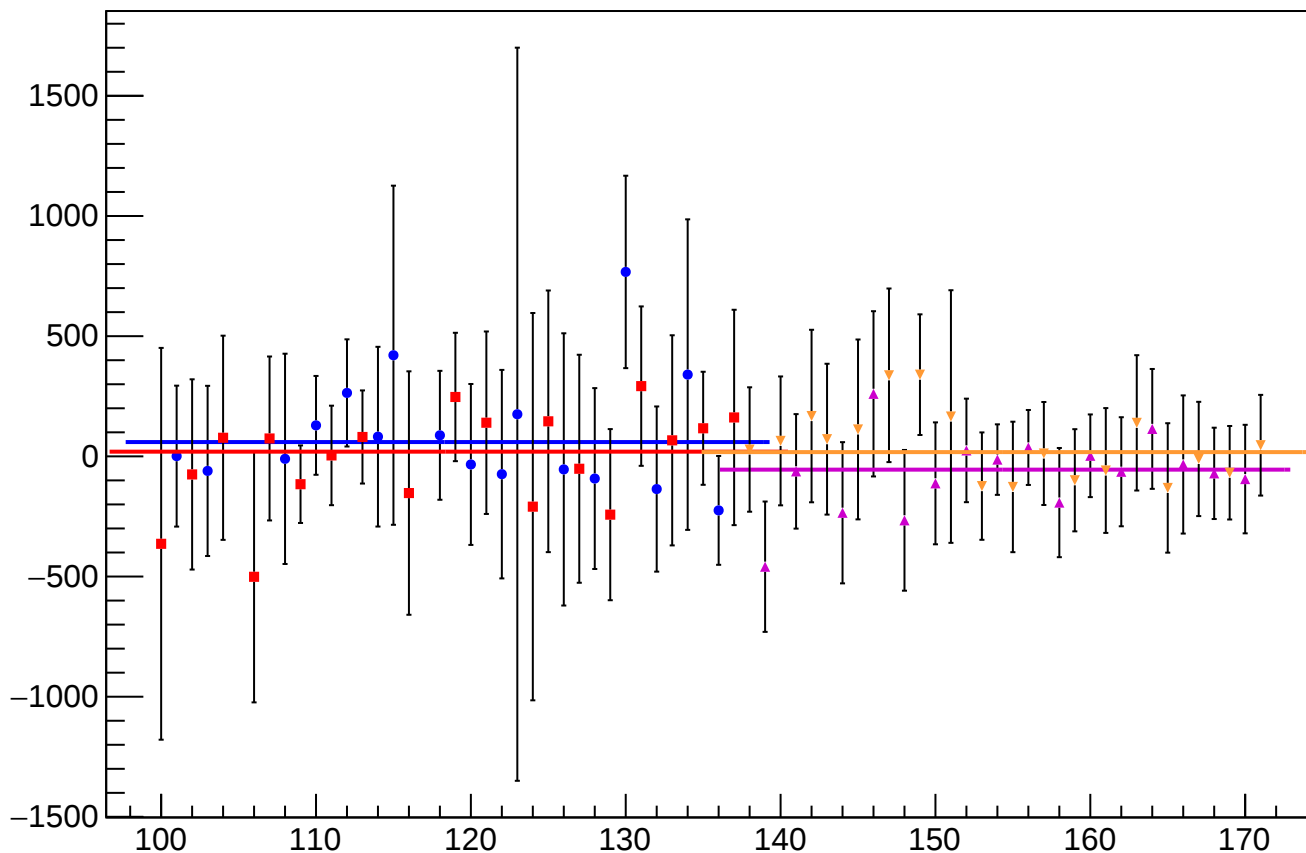
Left In: 185.488 $\pm$ 0.039 χ^2 /NDF: 1337250.8/15

+ sign 212.777 $\pm$ 0.035 χ^2 /NDF: 2063045.5/34

All: 196.885 $\pm$ 0.023 χ^2 /NDF: 5154696.3/69

- sign 184.148 $\pm$ 0.031 χ^2 /NDF: 2717928.5/34

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 ± 80.808 χ^2/NDF : 7.0/16

Left Out: 17.680 ± 61.225 χ^2/NDF : 4.6/17

Right Out: 19.541 ± 71.866 χ^2/NDF : 4.7/18

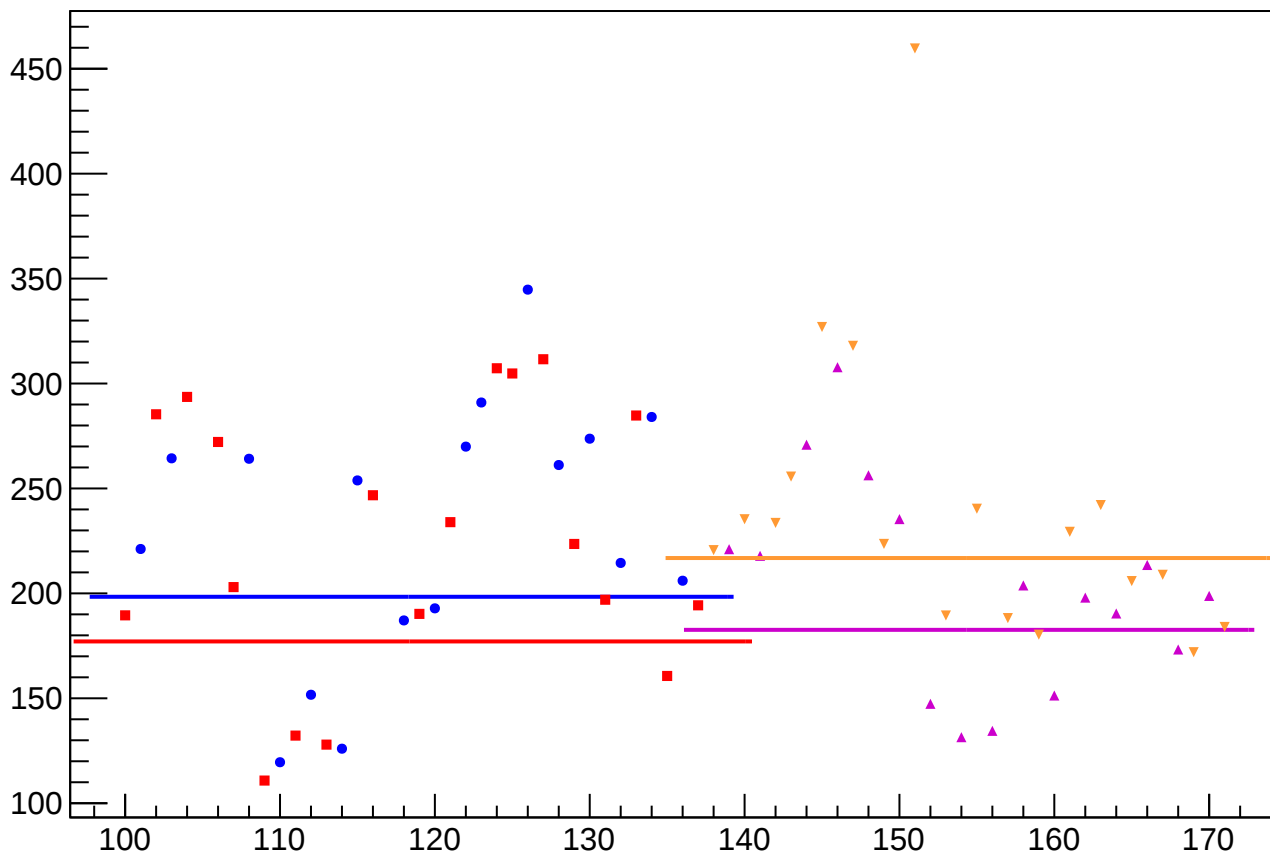
Left In: -55.288 ± 54.575 χ^2/NDF : 5.6/15

+ sign 32.930 ± 48.800 χ^2/NDF : 11.8/34

All: -1.002 ± 32.457 χ^2/NDF : 23.6/69

- sign -27.918 ± 43.463 χ^2/NDF : 11.0/34

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 216.842 $\pm$ 0.043 χ^2 /NDF:1124986.2/17

Right Out: 177.096 $\pm$ 0.051 χ^2 /NDF: 1524763.6/18

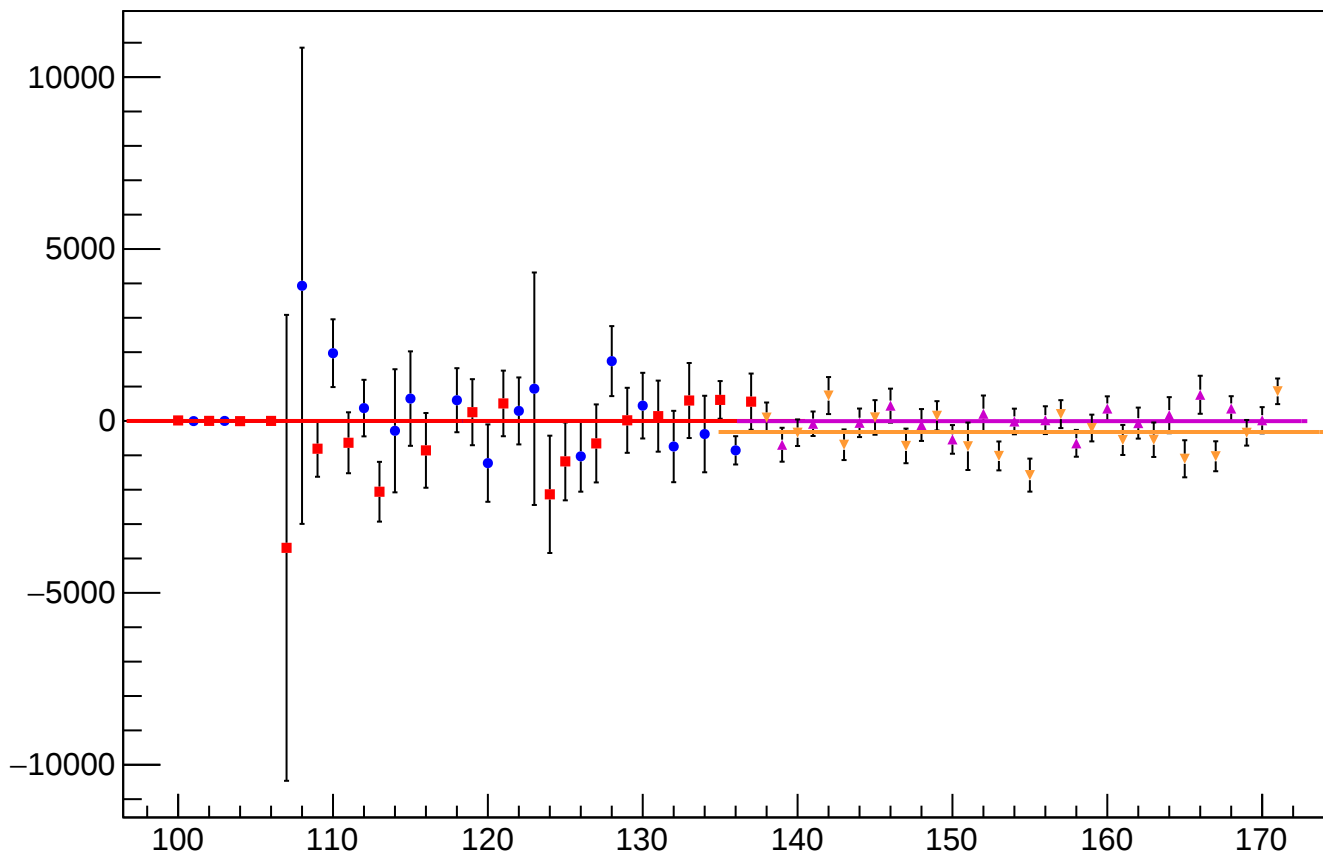
Left In: 182.623 $\pm$ 0.039 χ^2 /NDF:1362626.5/15

+ sign 210.108 $\pm$ 0.035 χ^2 /NDF: 2154989.8/34

All: 193.653 $\pm$ 0.023 χ^2 /NDF: 5457631.4/69

- sign 180.601 $\pm$ 0.031 χ^2 /NDF: 2894892.1/34

asym_cav4bQ_mean vs Slug



Right In: -1.529 $\pm$ 2.251 χ^2/NDF : 17.0/16

Left Out: -321.434 $\pm$ 104.901 χ^2/NDF :35.0/17

Right Out: -0.727 $\pm$ 2.111 χ^2/NDF : 19.3/18

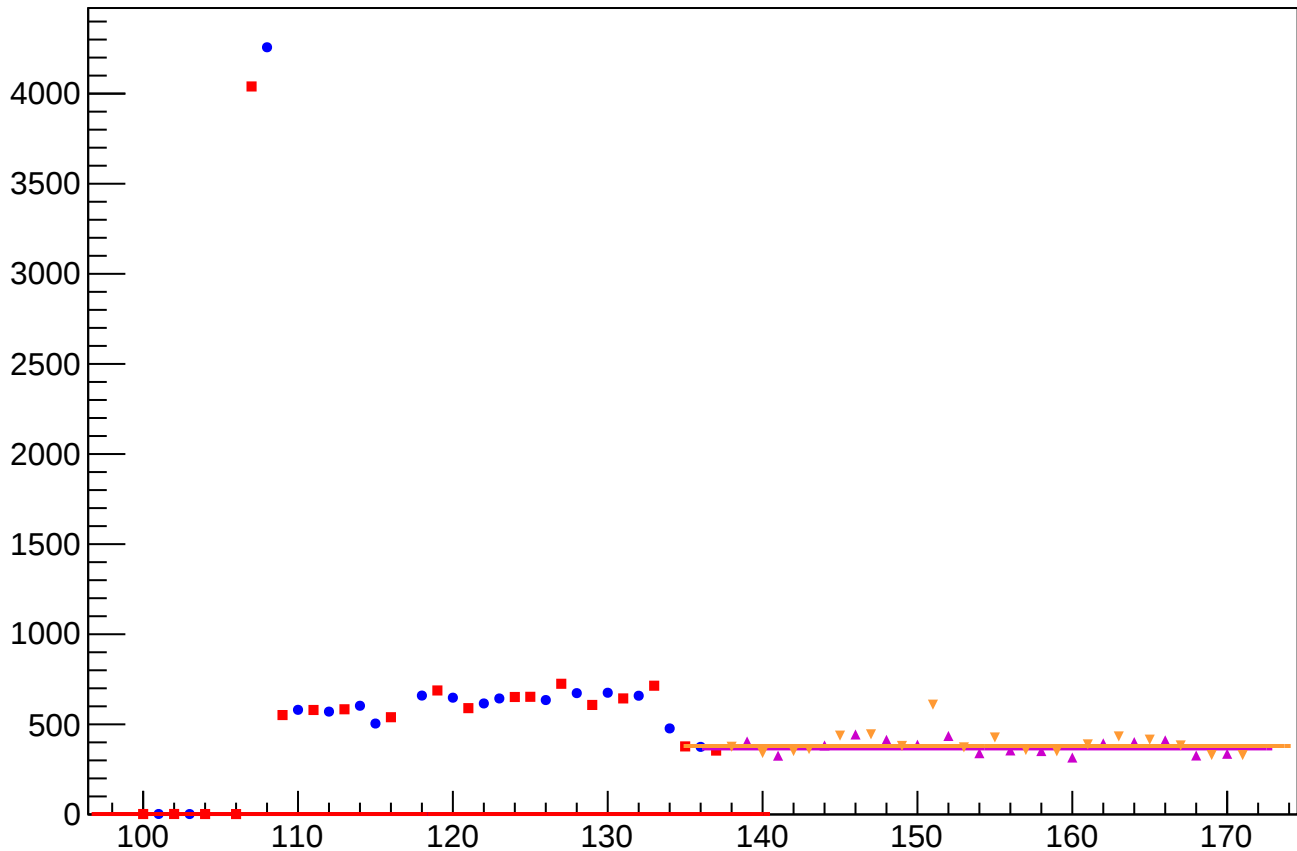
Left In: -5.676 $\pm$ 105.322 χ^2/NDF :11.6/15

+ sign -1.677 $\pm$ 2.251 χ^2/NDF : 61.2/34

All: -1.172 $\pm$ 1.540 χ^2/NDF : 92.2/69

- sign -0.729 $\pm$ 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: 379.894+/-0.074 χ^2/NDF : 451729.5/17

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

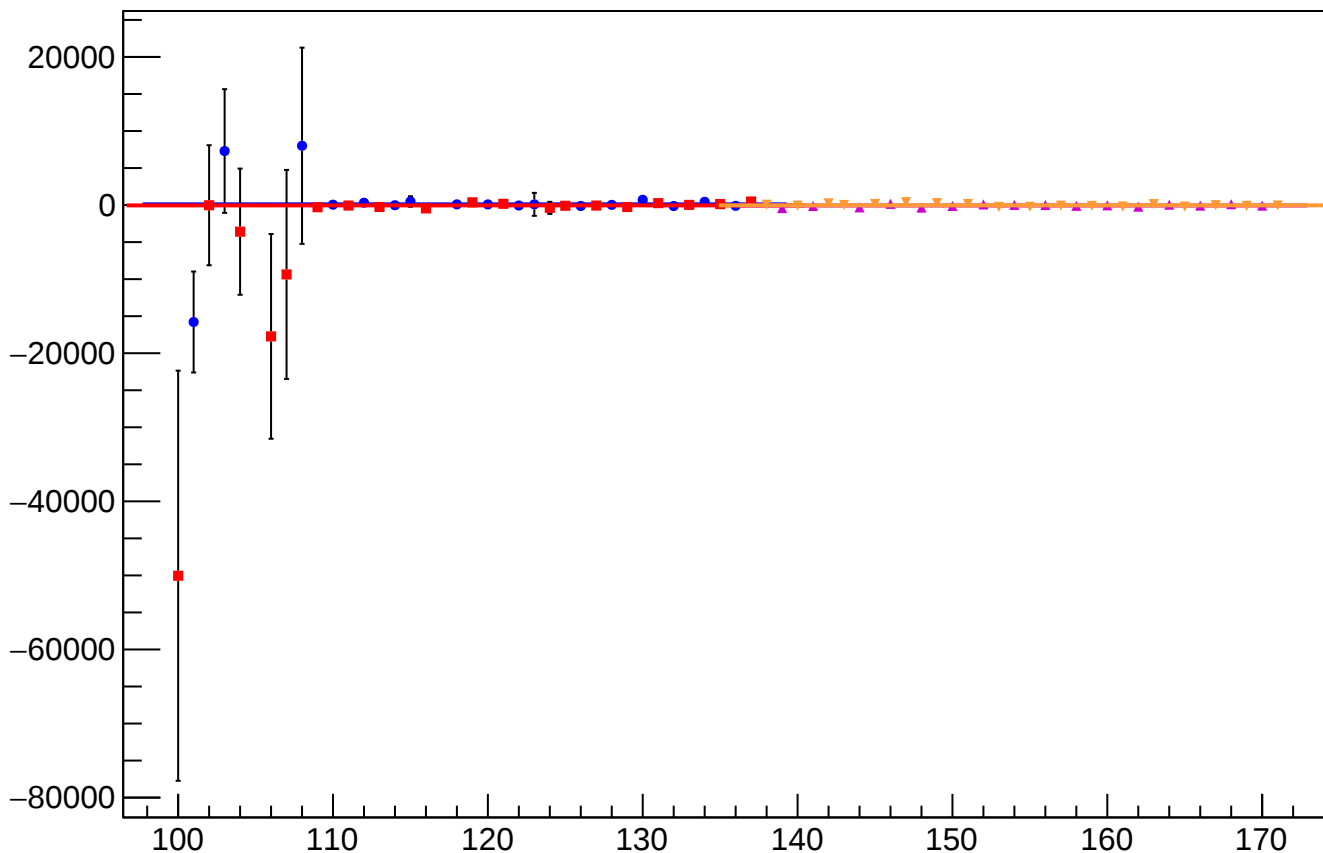
Left In: 366.347+/-0.074 χ^2/NDF : 270836.7/15

+ sign 2.630+/-0.002 χ^2/NDF : 37179346.0/34

All: 2.605+/-0.001 χ^2/NDF : 72465251.8/69

- 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: -35.927+/-63.716 χ^2/NDF : 6.1/17

Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

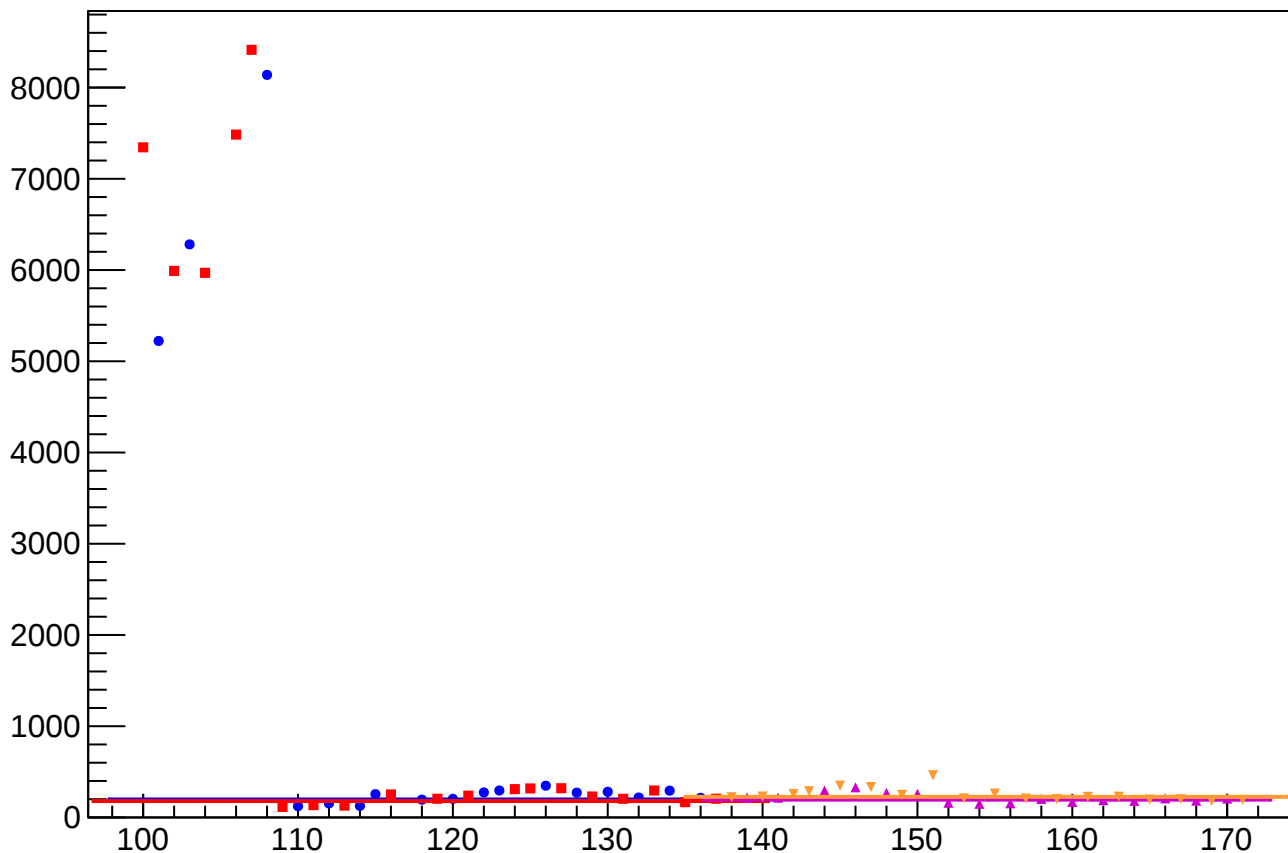
Left In: -56.796+/-57.911 χ^2/NDF : 6.0/15

+ sign 8.435+/-52.168 χ^2/NDF : 19.4/34

All: -24.527+/-35.230 χ^2/NDF : 40.0/69

- sign -52.164+/-47.768 χ^2/NDF : 19.9/34

asym_cav4cQ_rms vs Slug



Right In: 197.086 $\pm$ 0.064 χ^2 /NDF: 3693614.0/16

Left Out: 226.101 $\pm$ 0.045 χ^2 /NDF: 1108346.7/17

Right Out: 179.949 $\pm$ 0.060 χ^2 /NDF: 4321173.8/18

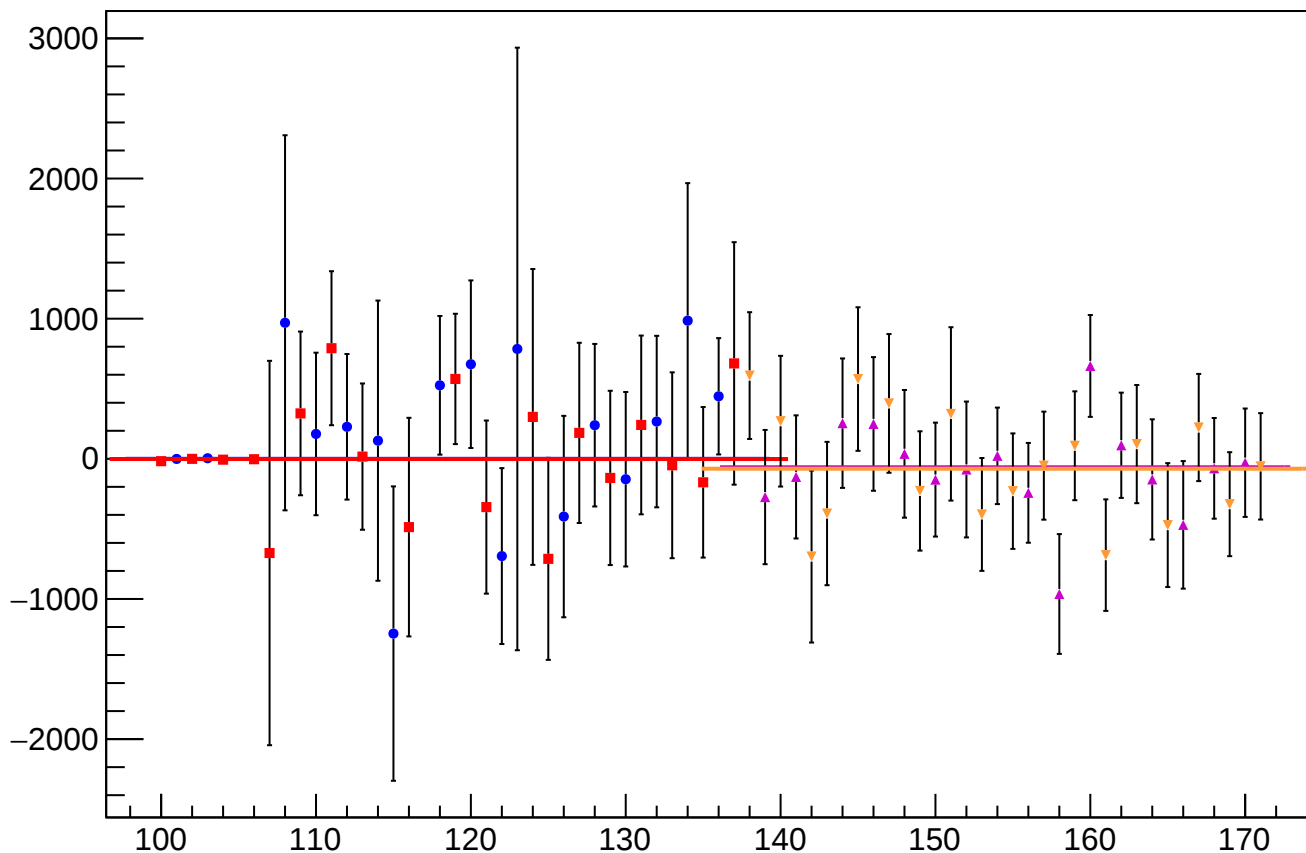
Left In: 195.355 $\pm$ 0.041 χ^2 /NDF: 1074293.6/15

+ sign 216.536 $\pm$ 0.037 χ^2 /NDF: 4938686.6/34

All: 202.337 $\pm$ 0.025 χ^2 /NDF: 10651793.2/69

- sign 190.432 $\pm$ 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: -70.489 ± 102.319 χ^2/NDF : 12.6/17

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

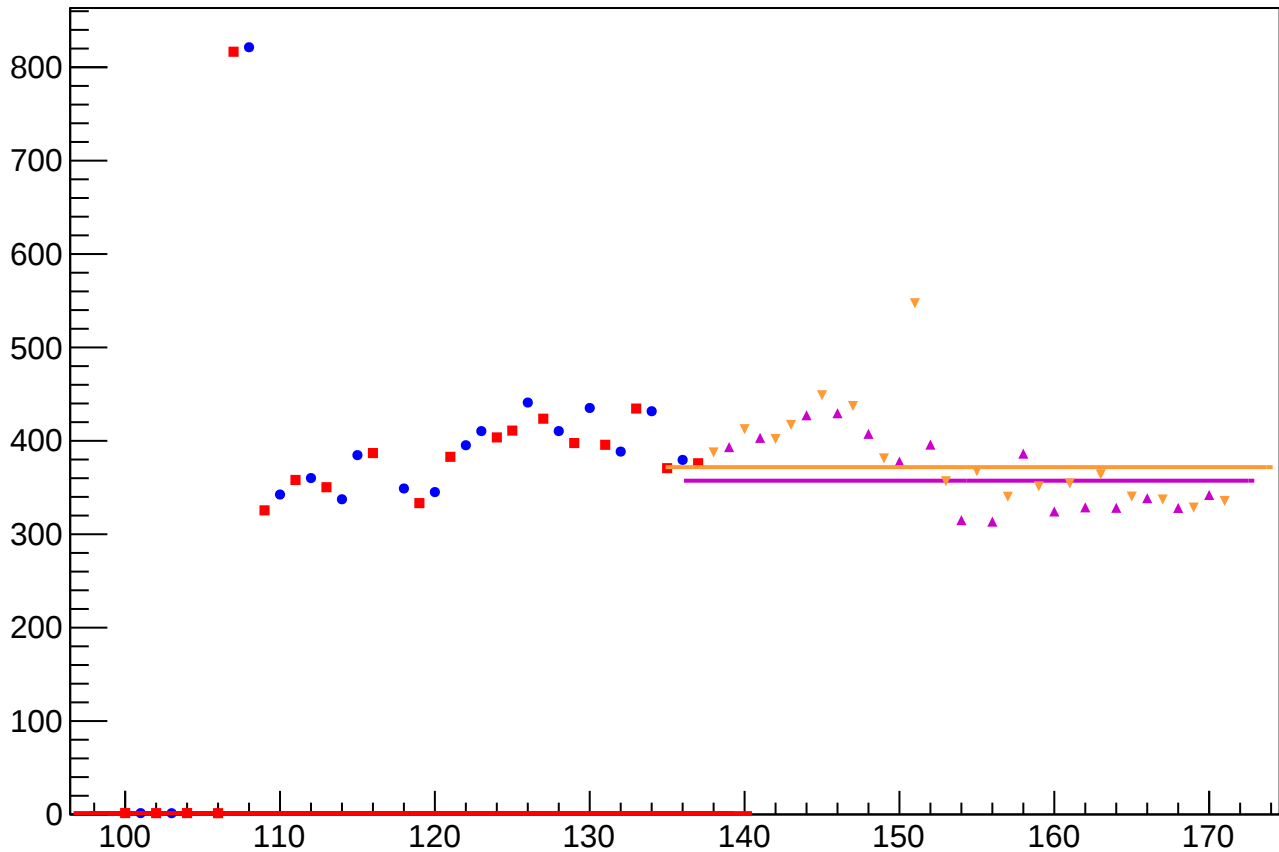
Left In: -60.238 ± 102.639 χ^2/NDF : 11.0/15

+ sign -0.158 ± 1.736 χ^2/NDF : 22.8/34

All: -0.788 ± 1.185 χ^2/NDF : 44.0/69

- sign -1.338 ± 1.622 χ^2/NDF : 20.9/34

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 371.841+/-0.072 χ^2/NDF :378863.4/17

Right Out: 1.451+/-0.001 χ^2/NDF : 10880737.7/18

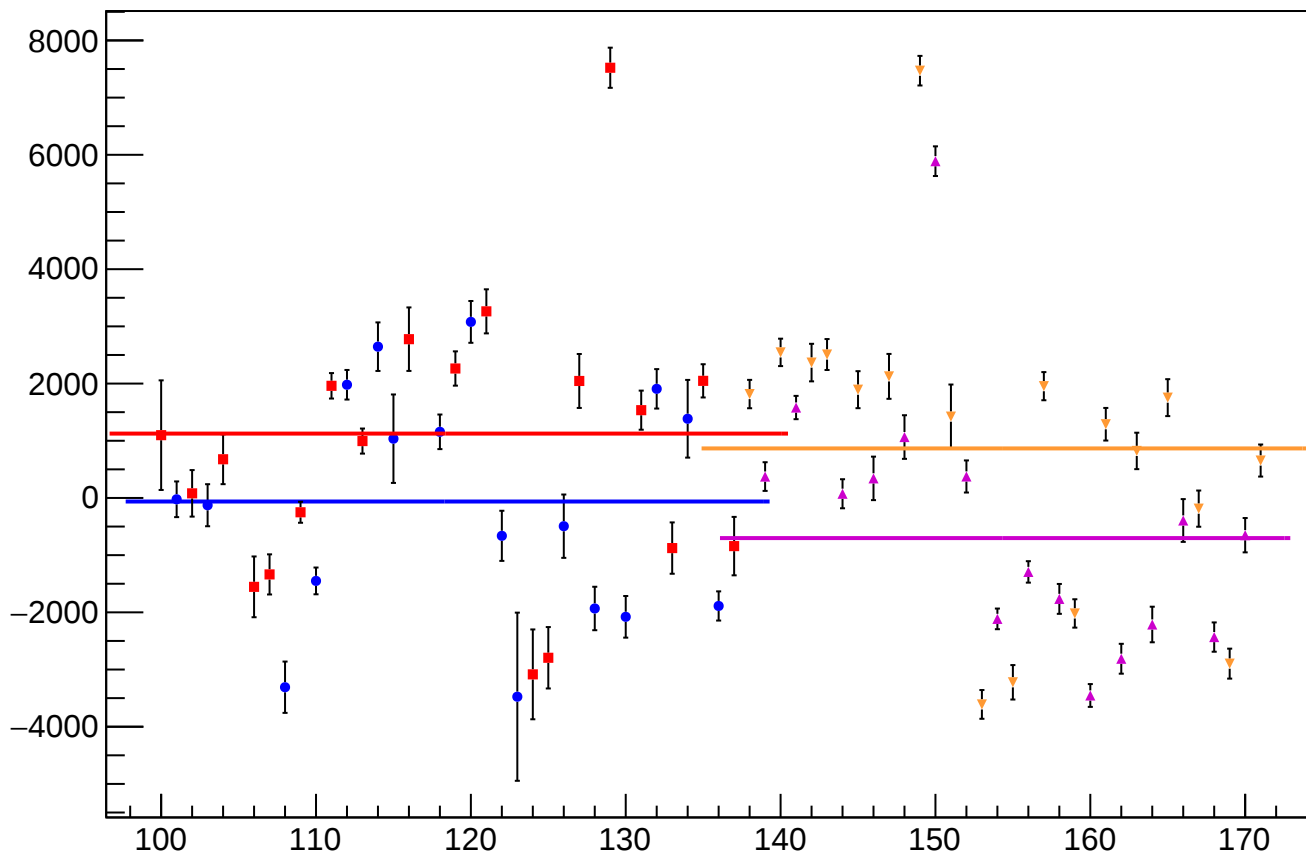
Left In: 357.334+/-0.073 χ^2/NDF :293454.8/15

+ sign 1.559+/-0.001 χ^2/NDF : 37537286.1/34

All: 1.549+/-0.001 χ^2/NDF : 72750534.2/69

- sign 1.540+/-0.001 χ^2/NDF : 35213113.1/34

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 $\chi^2/\text{NDF}: 433.9/16$

Left Out: 866.000 ± 67.516 $\chi^2/\text{NDF}: 1678.1/17$

Right Out: 1125.437 ± 78.370 $\chi^2/\text{NDF}: 671.2/18$

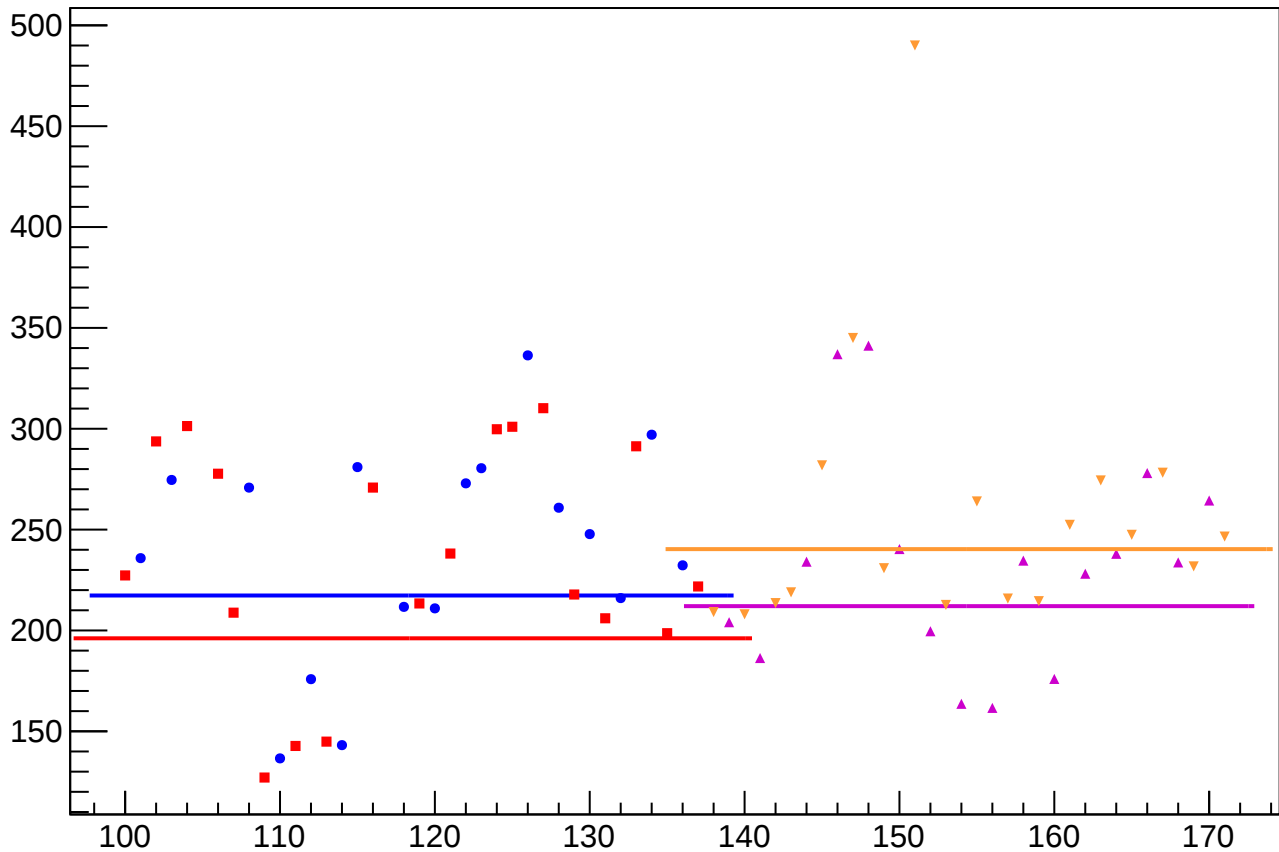
Left In: -701.661 ± 62.716 $\chi^2/\text{NDF}: 1255.6/15$

+ sign 519.241 ± 53.436 $\chi^2/\text{NDF}: 2182.7/34$

All: 243.327 ± 36.101 $\chi^2/\text{NDF}: 4489.9/69$

- sign 11.633 ± 48.967 $\chi^2/\text{NDF}: 2258.1/34$

asym_bcm0l02_rms vs Slug



Right In: 217.330 $\pm$ 0.062 χ^2 /NDF: 652722.5/16

Left Out: 240.325 $\pm$ 0.048 χ^2 /NDF: 805170.4/17

Right Out: 196.105 $\pm$ 0.055 χ^2 /NDF: 1190733.6/18

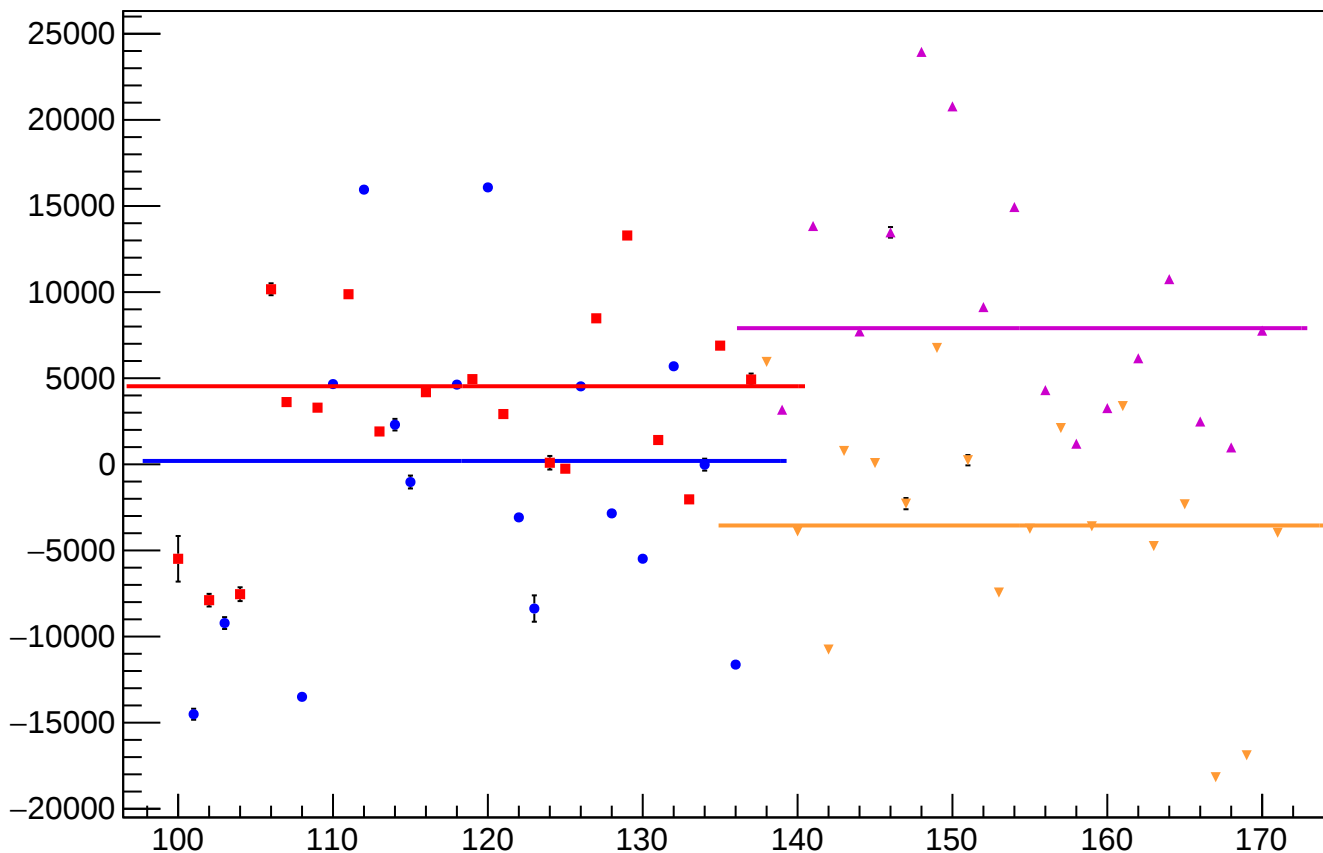
Left In: 212.055 $\pm$ 0.044 χ^2 /NDF: 1049597.1/15

+ sign 231.734 $\pm$ 0.038 χ^2 /NDF: 1544567.7/34

All: 217.653 $\pm$ 0.026 χ^2 /NDF: 4090911.2/69

- sign 205.828 $\pm$ 0.035 χ^2 /NDF: 2290827.6/34

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -3550.364+/-47.085 χ^2/NDF :19806.9/17

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

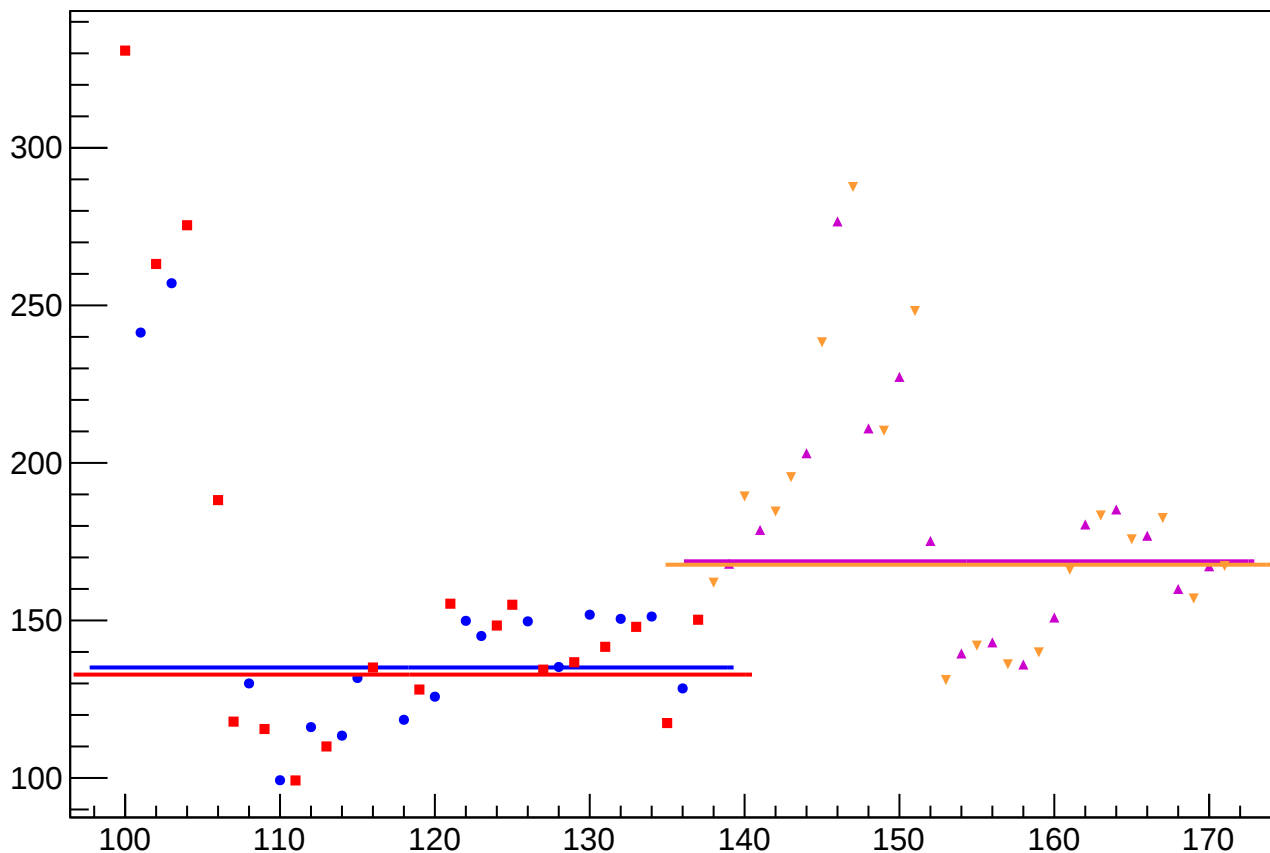
Left In: 7906.804+/-49.419 χ^2/NDF :16463.0/15

+ sign -1958.783+/-35.712 χ^2/NDF : 53155.5/34

All: 2151.196+/-25.344 χ^2/NDF : 105967.9/69

- sign 6321.138+/-35.972 χ^2/NDF : 26130.0/34

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 167.695 $\pm$ 0.033 χ^2 /NDF: 1020786.2/17

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

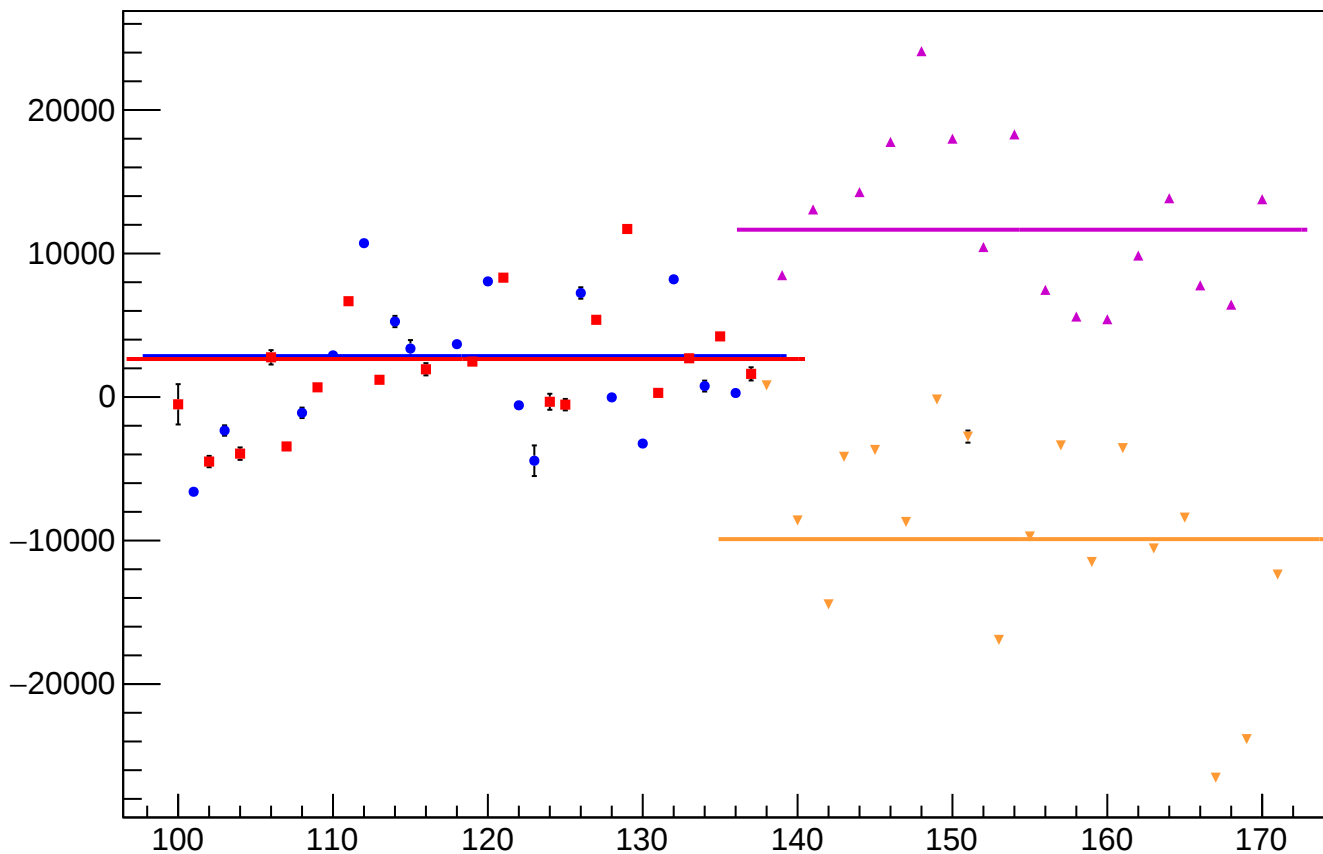
Left In: 168.771 $\pm$ 0.035 χ^2 /NDF: 736859.9/15

+ sign 153.839 $\pm$ 0.025 χ^2 /NDF: 2087262.5/34

All: 152.860 $\pm$ 0.018 χ^2 /NDF: 4156081.3/69

- sign 151.866 $\pm$ 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: -990.273+/-53.180 χ^2/NDF :21012.0/17

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

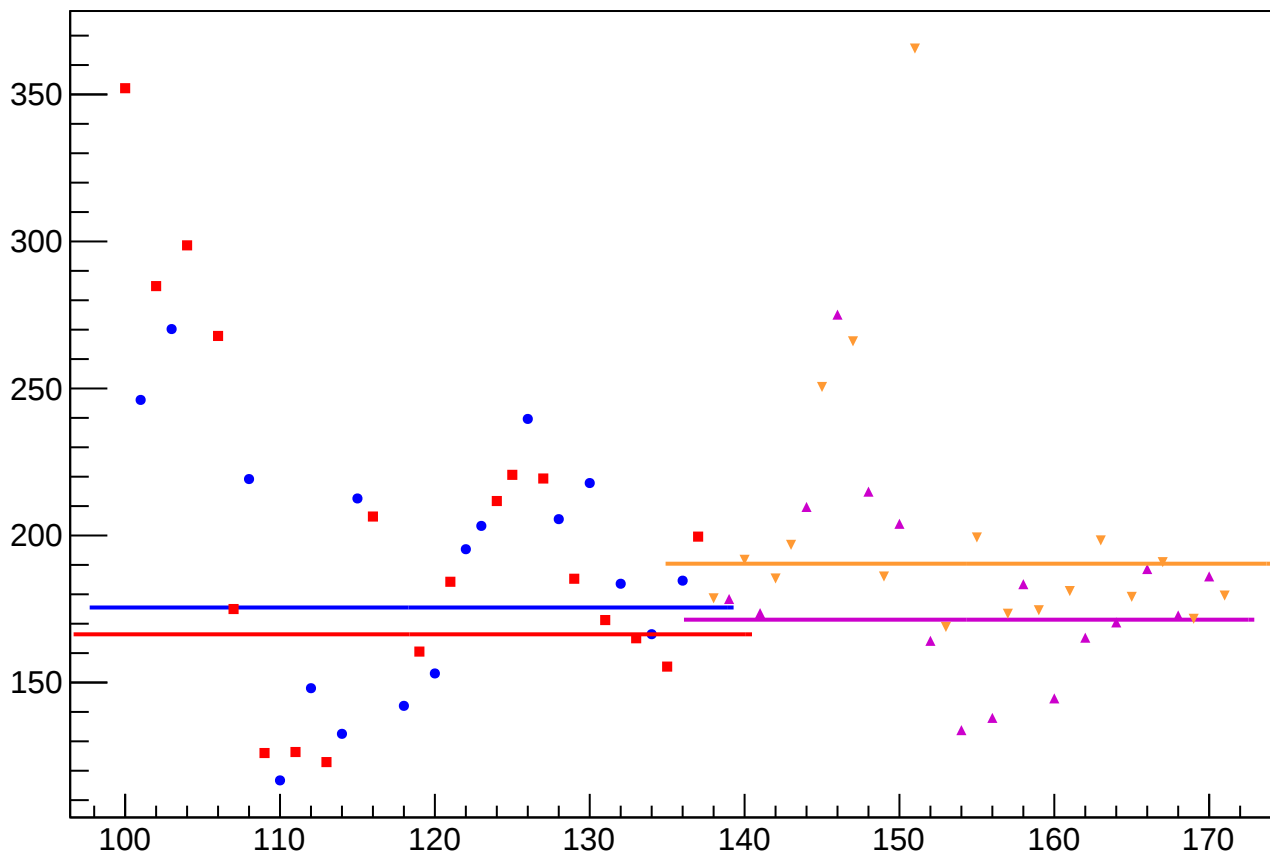
Left In: 11659.292+/-50.229 χ^2/NDF :10588.8/15

+ sign -5296.977+/-42.511 χ^2/NDF : 45946.4/34

All: 1950.069+/-29.097 χ^2/NDF : 126251.2/69

- sign 8337.592+/-39.910 χ^2/NDF : 25627.3/34

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 190.410 $\pm$ 0.038 χ^2 /NDF: 656155.6/17

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

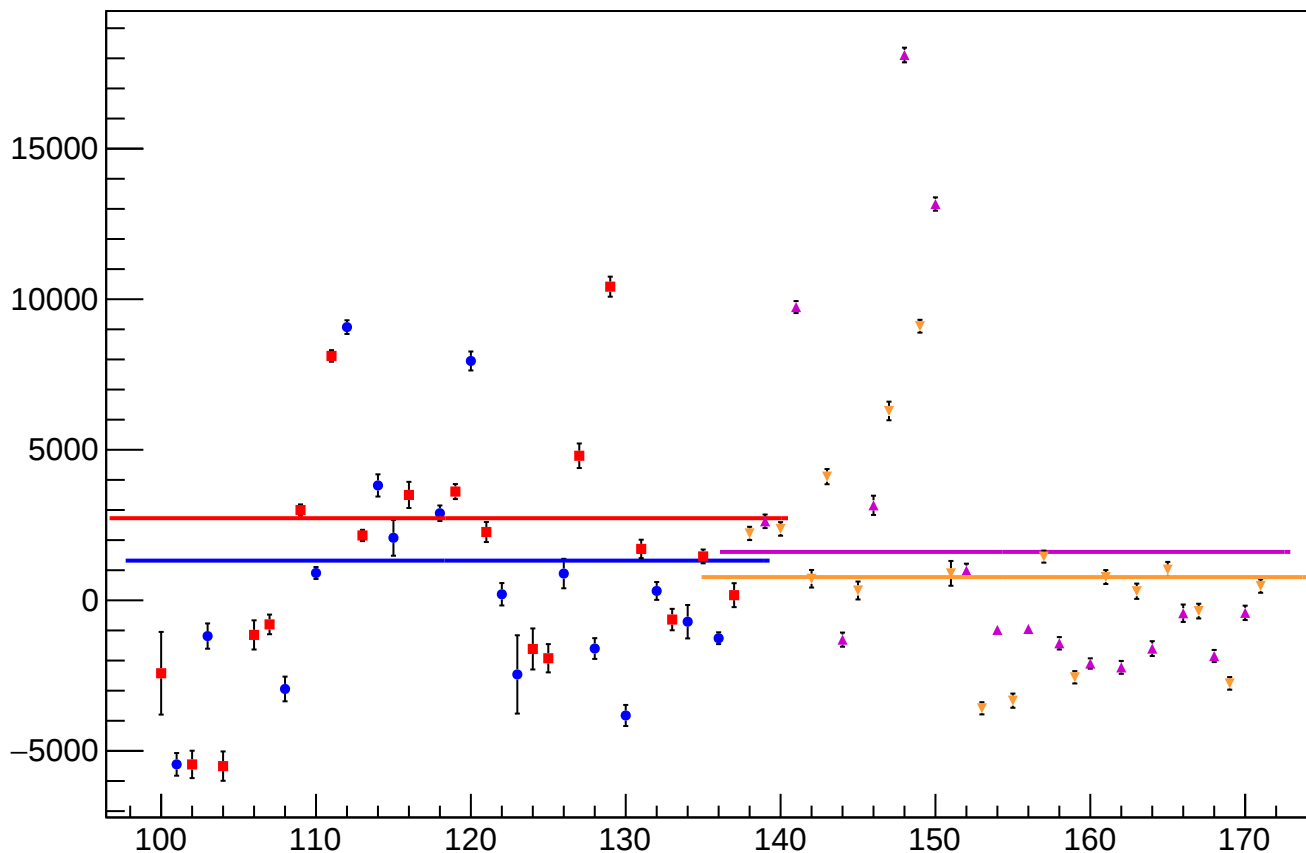
Left In: 171.369 $\pm$ 0.036 χ^2 /NDF: 696910.5/15

+ sign 185.033 $\pm$ 0.030 χ^2 /NDF: 1402443.7/34

All: 176.795 $\pm$ 0.021 χ^2 /NDF: 3177415.4/69

- sign 169.535 $\pm$ 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: 771.369 $\pm$ 56.147 χ^2 /NDF:3467.1/17

Right Out: 2727.798 $\pm$ 70.029 χ^2 /NDF: 2495.9/18

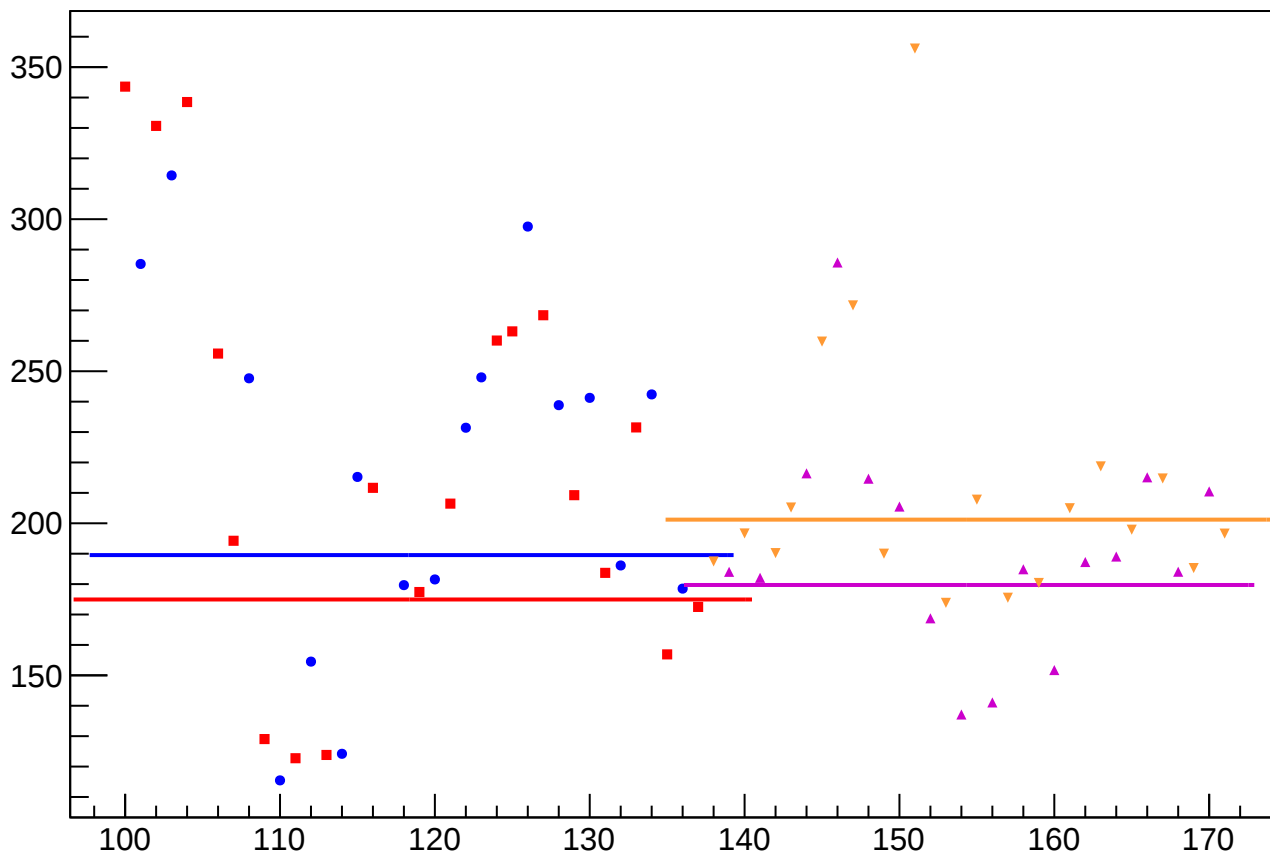
Left In: 1608.050 $\pm$ 52.747 χ^2 /NDF:11286.8/15

+ sign 961.006 $\pm$ 45.397 χ^2 /NDF: 6167.0/34

All: 1526.378 $\pm$ 30.882 χ^2 /NDF: 20401.6/69

- sign 2013.368 $\pm$ 42.133 χ^2 /NDF: 13945.9/34

asym_bpm0i05WS_rms vs Slug



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 201.202+/-0.040 χ^2/NDF : 601848.4/17

Right Out: 174.944+/-0.050 χ^2/NDF : 1297106.6/18

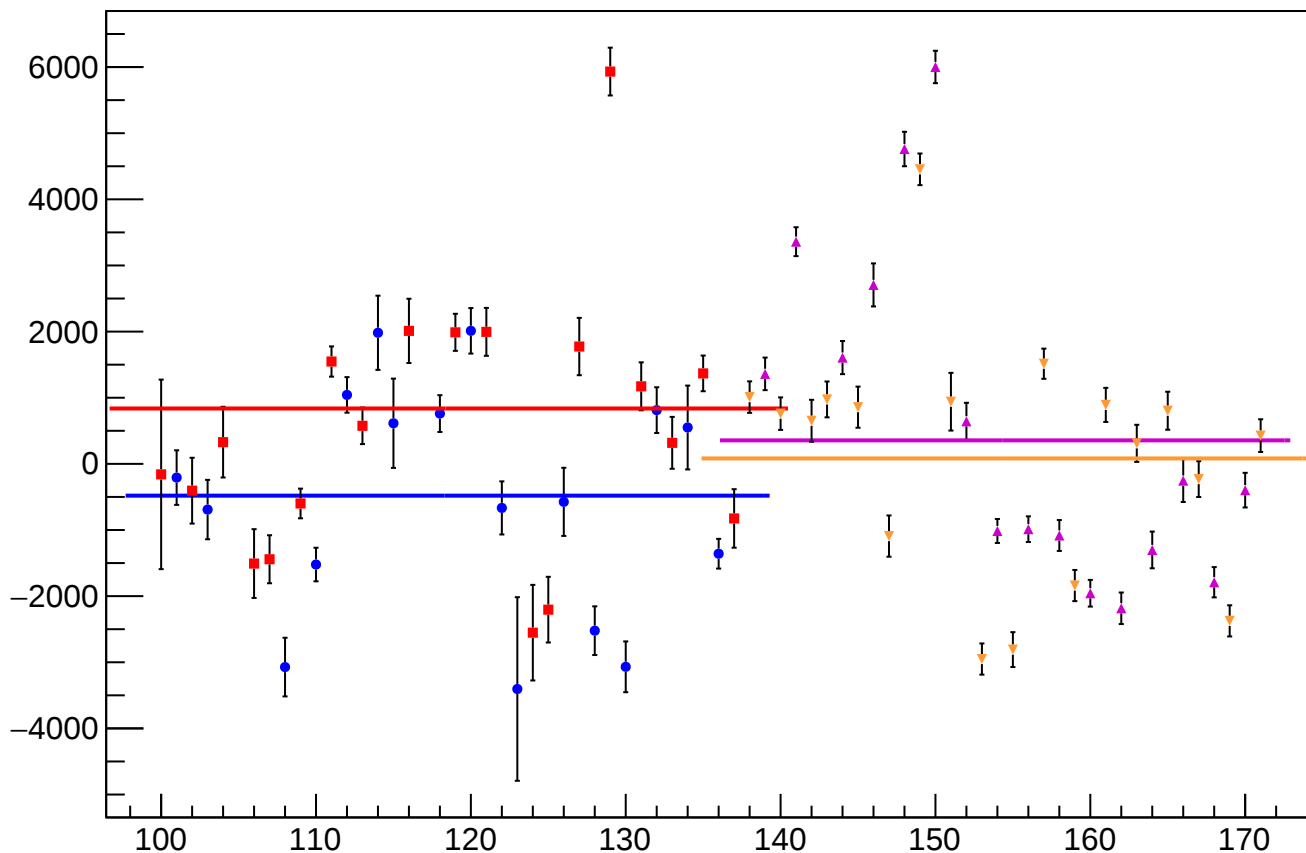
Left In: 179.714+/-0.037 χ^2/NDF : 737321.8/15

+ sign 197.165+/-0.032 χ^2/NDF : 1612445.8/34

All: 186.862+/-0.022 χ^2/NDF : 3844552.6/69

- sign 177.987+/-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: 82.318 ± 62.201 χ^2/NDF : 914.7/17

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

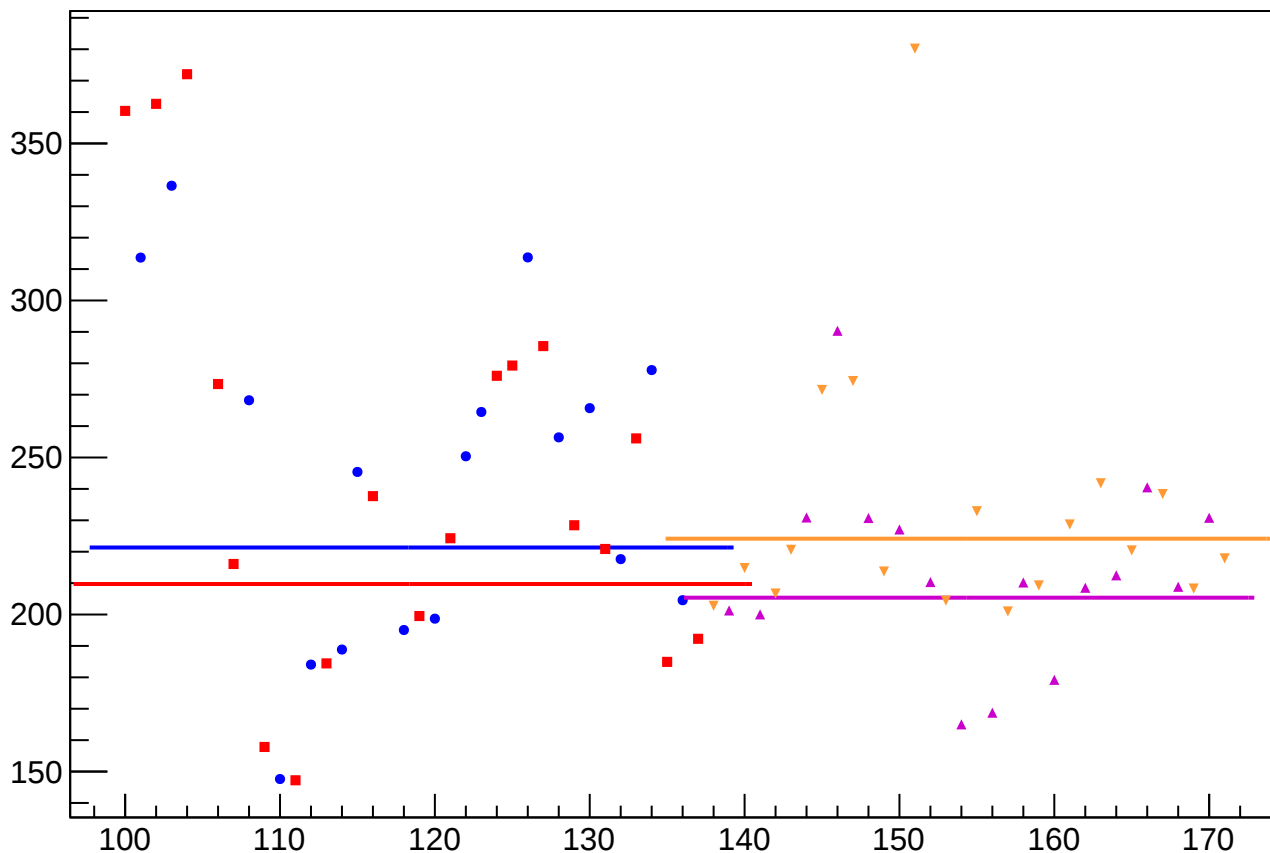
Left In: 355.426 ± 59.689 χ^2/NDF : 1623.9/15

+ sign -103.407 ± 50.916 χ^2/NDF : 1232.5/34

All: 225.581 ± 35.044 χ^2/NDF : 3393.5/69

- 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: 224.152 $\pm$ 0.044 χ^2 /NDF: 452663.1/17

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

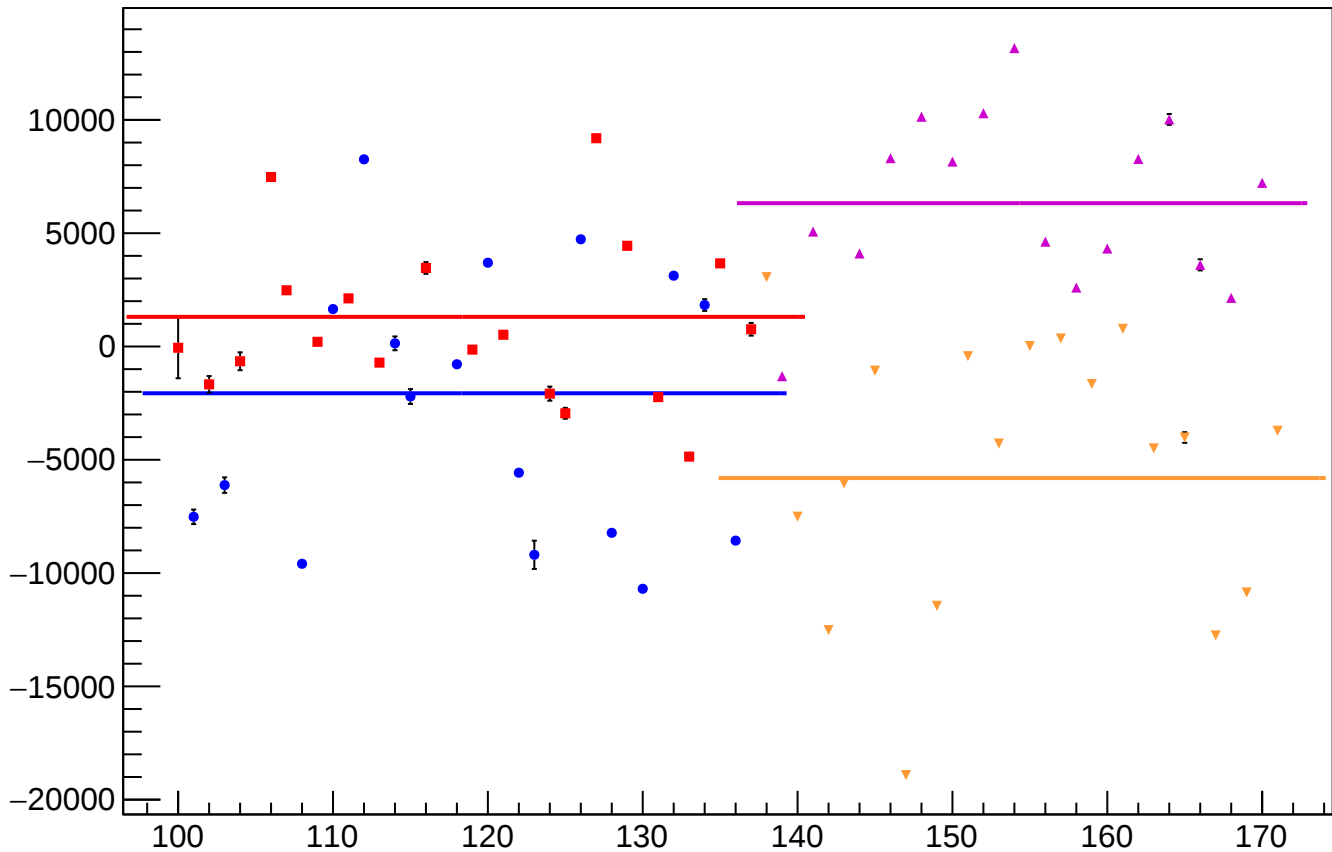
Left In: 205.363 $\pm$ 0.042 χ^2 /NDF: 443560.5/15

+ sign 223.225 $\pm$ 0.036 χ^2 /NDF: 1099698.1/34

All: 214.615 $\pm$ 0.025 χ^2 /NDF: 2539516.5/69

- 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: -5807.080 $\pm$ 36.075 χ^2 /NDF:30142.5/17

Right Out: 1308.512 $\pm$ 45.001 χ^2 /NDF: 5894.4/18

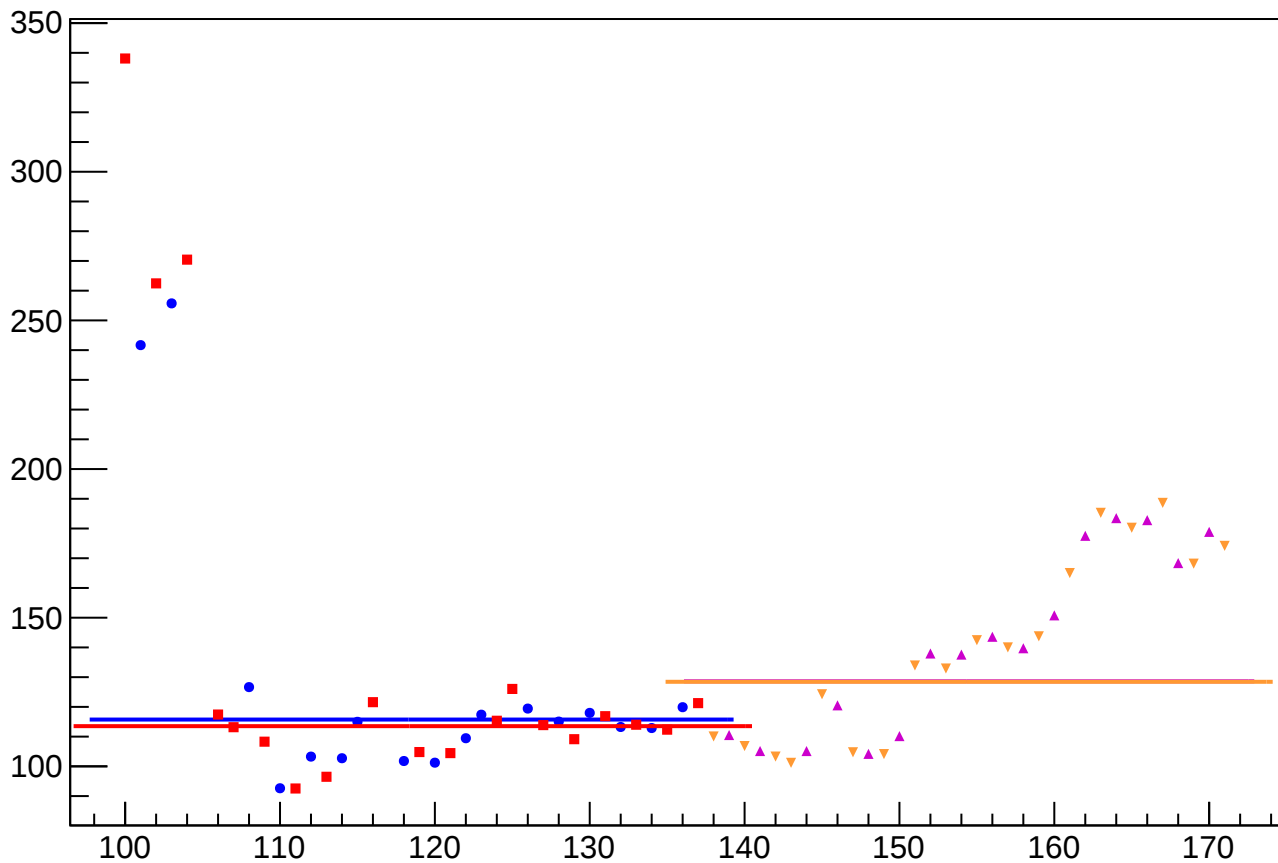
Left In: 6325.366 $\pm$ 37.434 χ^2 /NDF:9649.1/15

+ sign -4431.752 $\pm$ 28.689 χ^2 /NDF: 50630.3/34

All: -92.609 $\pm$ 20.318 χ^2 /NDF: 119412.8/69

- sign 4273.602 $\pm$ 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: 128.441+/-0.026 χ^2/NDF : 1125852.0/17

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

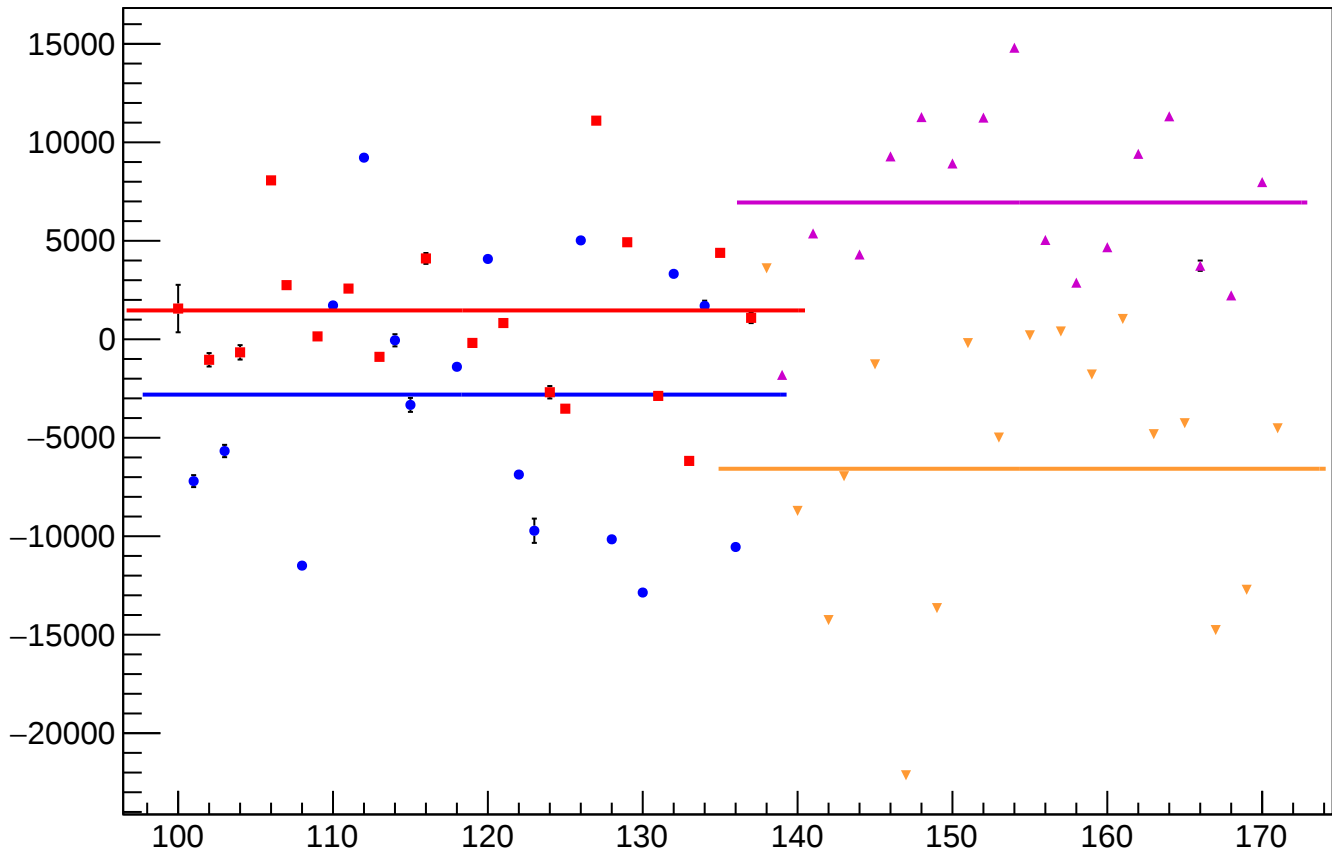
Left In: 128.604+/-0.026 χ^2/NDF : 950273.2/15

+ sign 123.773+/-0.020 χ^2/NDF : 1960974.7/34

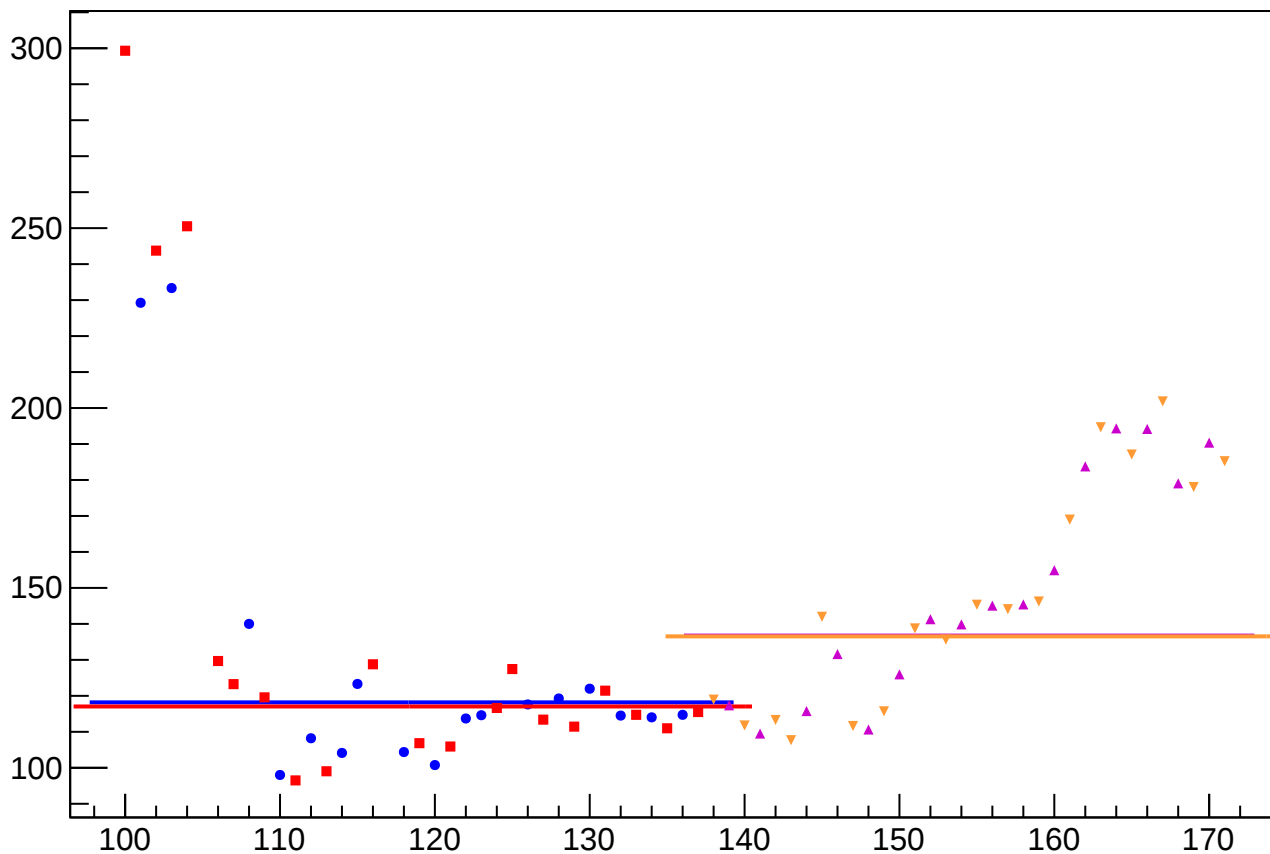
All: 123.106+/-0.014 χ^2/NDF : 3842888.9/69

- sign 122.435+/-0.020 χ^2/NDF : 1879746.6/34

asym_bpm2i01WS_mean vs Slug



asym_bpm2i01WS_rms vs Slug



Right In: 118.188 $\pm$ 0.034 χ^2 /NDF: 636252.0/16

Left Out: 136.532 $\pm$ 0.027 χ^2 /NDF:1007774.7/17

Right Out: 117.046 $\pm$ 0.033 χ^2 /NDF: 690635.5/18

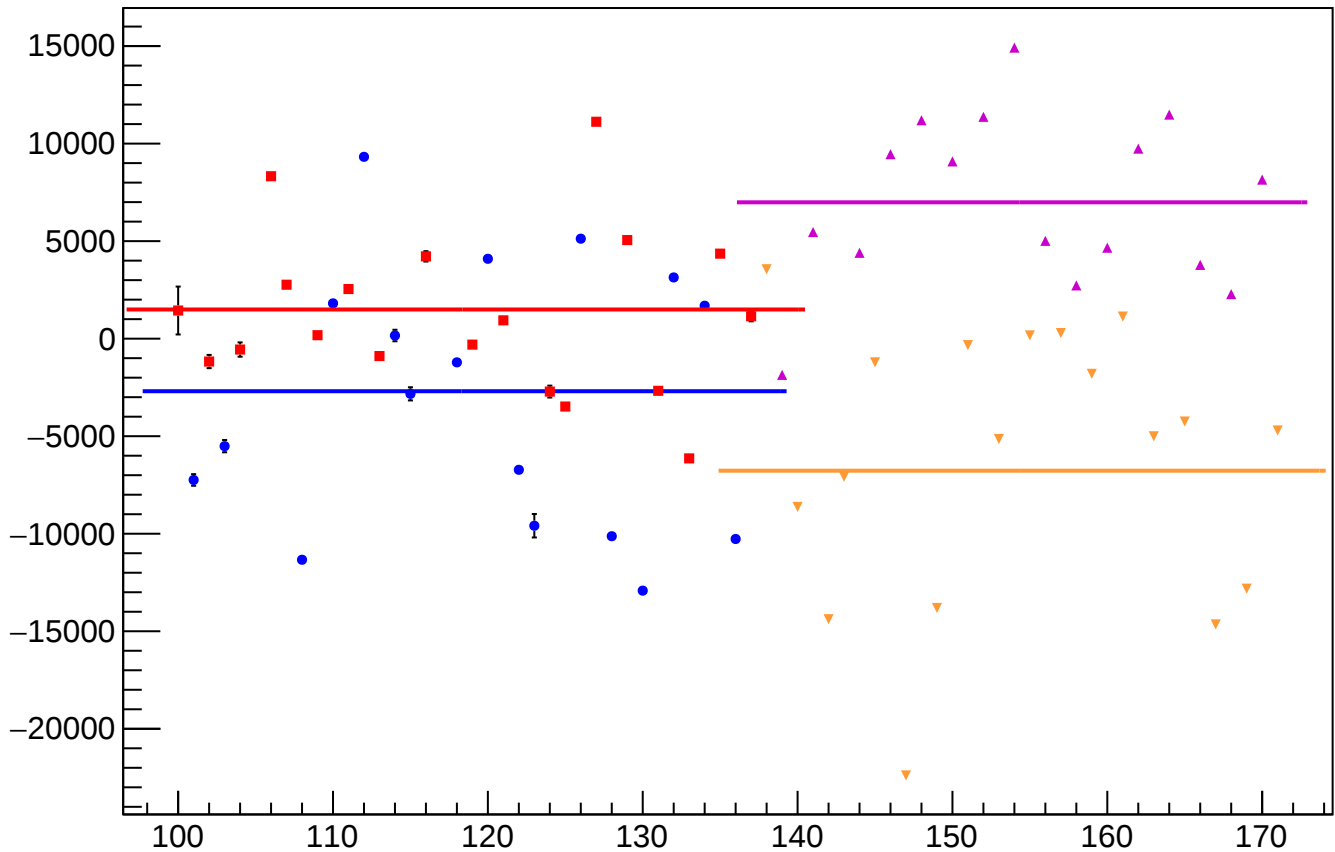
Left In: 136.752 $\pm$ 0.028 χ^2 /NDF:843803.4/15

+ sign 129.447 $\pm$ 0.021 χ^2 /NDF: 1821199.0/34

All: 128.930 $\pm$ 0.015 χ^2 /NDF: 3564867.8/69

- sign 128.407 $\pm$ 0.021 χ^2 /NDF: 1742475.7/34

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 $\pm$ 46.347 χ^2/NDF : 22860.3/16

Left Out: -6768.249 $\pm$ 37.397 χ^2/NDF : 39598.4/17

Right Out: 1495.744 $\pm$ 44.445 χ^2/NDF : 8717.2/18

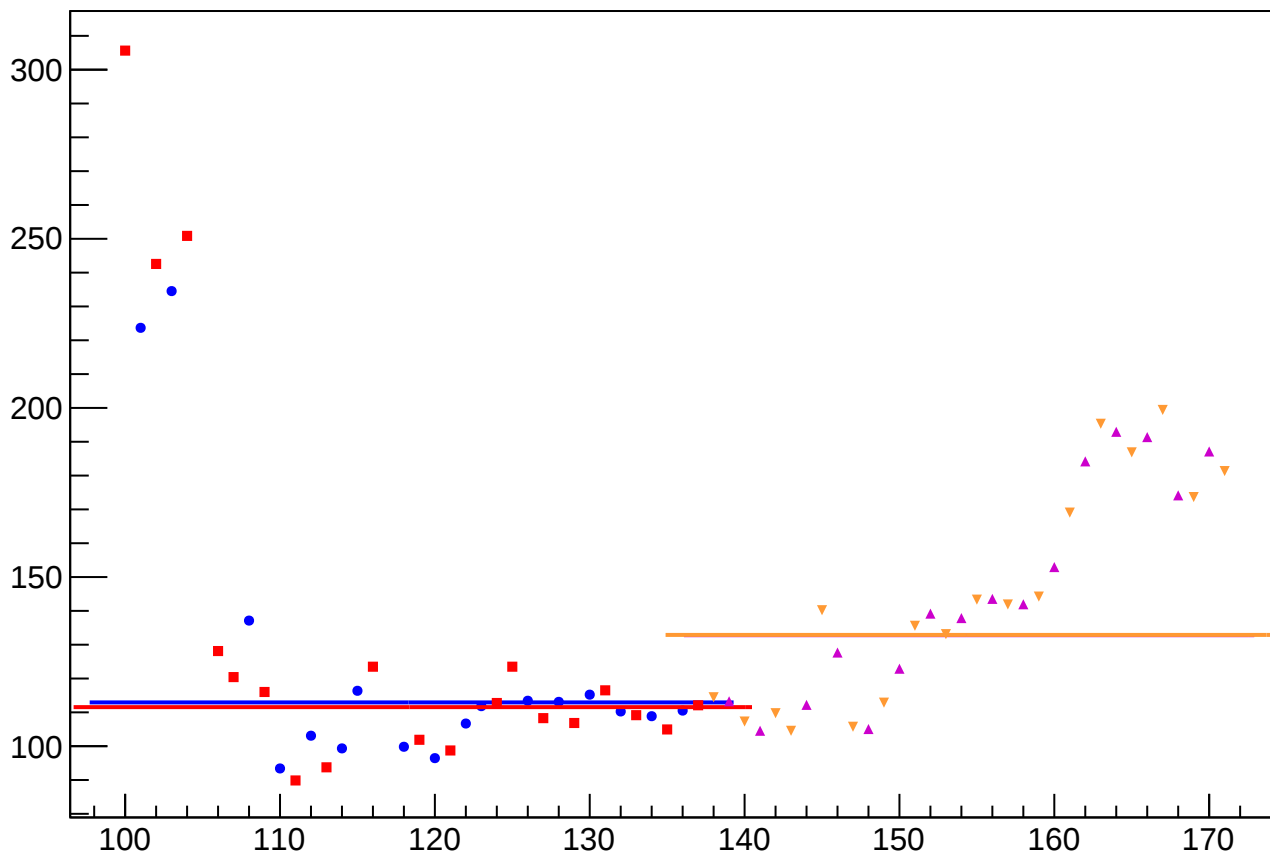
Left In: 6990.293 $\pm$ 38.733 χ^2/NDF : 12241.7/15

+ sign -5161.755 $\pm$ 29.104 χ^2/NDF : 67138.6/34

All: -287.729 $\pm$ 20.614 χ^2/NDF : 153061.4/69

- sign 4618.575 $\pm$ 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: 132.893 $\pm$ 0.026 χ^2 /NDF:1120318.1/17

Right Out: 111.544 $\pm$ 0.031 χ^2 /NDF: 765502.6/18

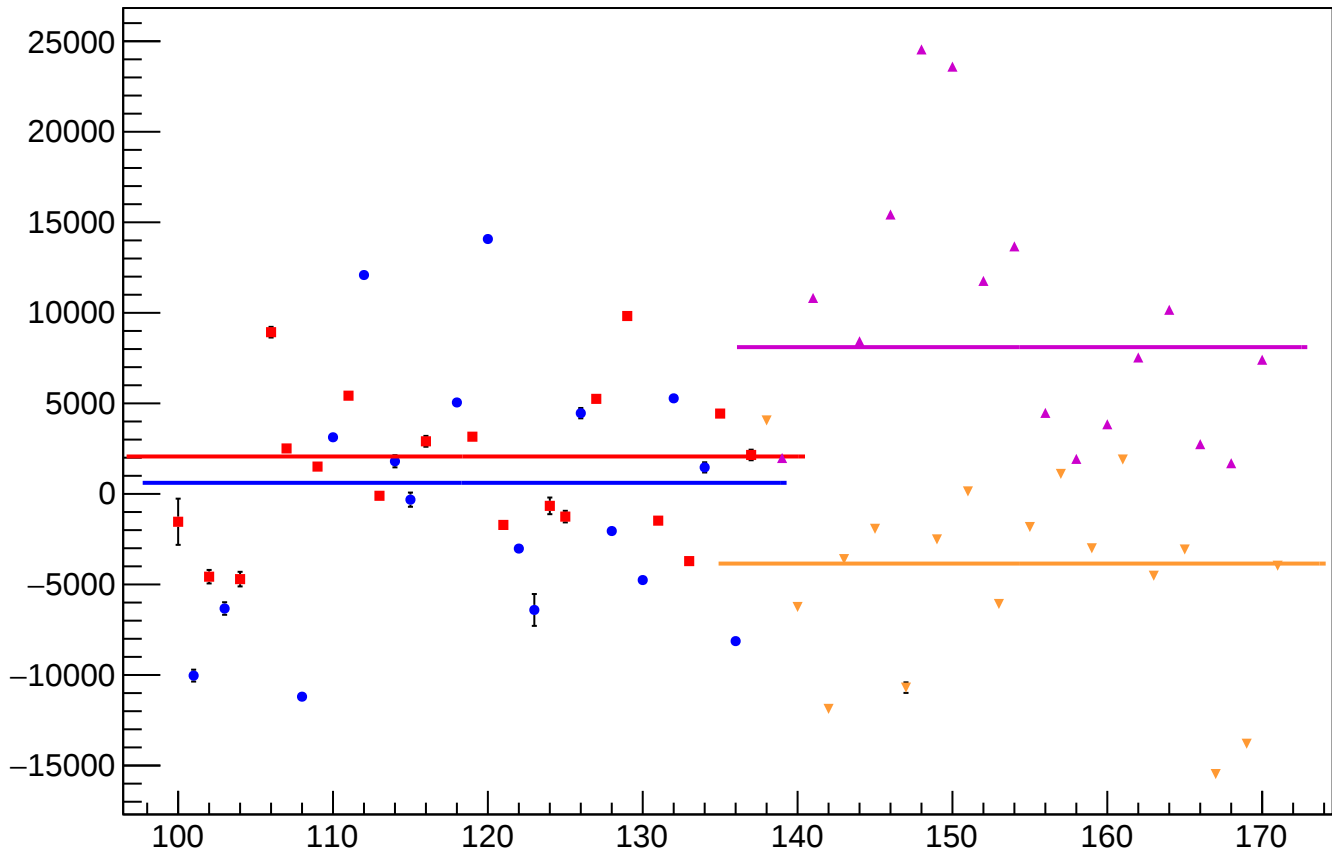
Left In: 132.806 $\pm$ 0.027 χ^2 /NDF:944499.9/15

+ sign 125.025 $\pm$ 0.021 χ^2 /NDF: 2025106.0/34

All: 124.329 $\pm$ 0.015 χ^2 /NDF: 3997571.3/69

- sign 123.628 $\pm$ 0.021 χ^2 /NDF: 1970169.2/34

asym_bpm0i01WS_mean vs Slug



Right In: 612.621+/-56.062 χ^2/NDF : 18243.4/16

Left Out: -3847.231+/-43.708 χ^2/NDF : 13560.2/17

Right Out: 2067.410+/-53.931 χ^2/NDF : 4642.7/18

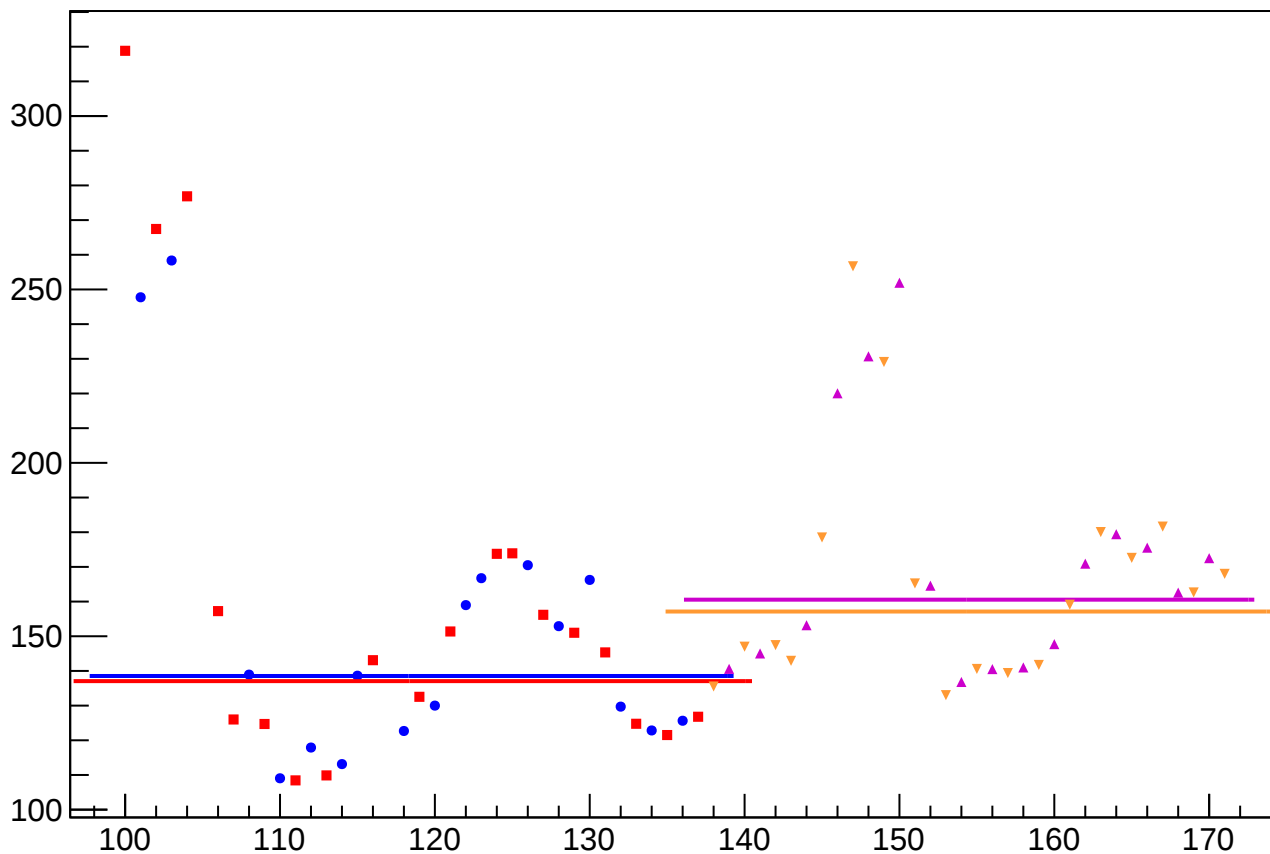
Left In: 8106.176+/-46.527 χ^2/NDF : 16011.8/15

+ sign -2161.215+/-34.470 χ^2/NDF : 35739.7/34

All: 1600.377+/-24.638 χ^2/NDF : 87930.1/69

- sign 5529.451+/-35.229 χ^2/NDF : 27842.5/34

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 157.131 $\pm$ 0.031 χ^2 /NDF: 665803.4/17

Right Out: 137.061 $\pm$ 0.038 χ^2 /NDF: 755491.9/18

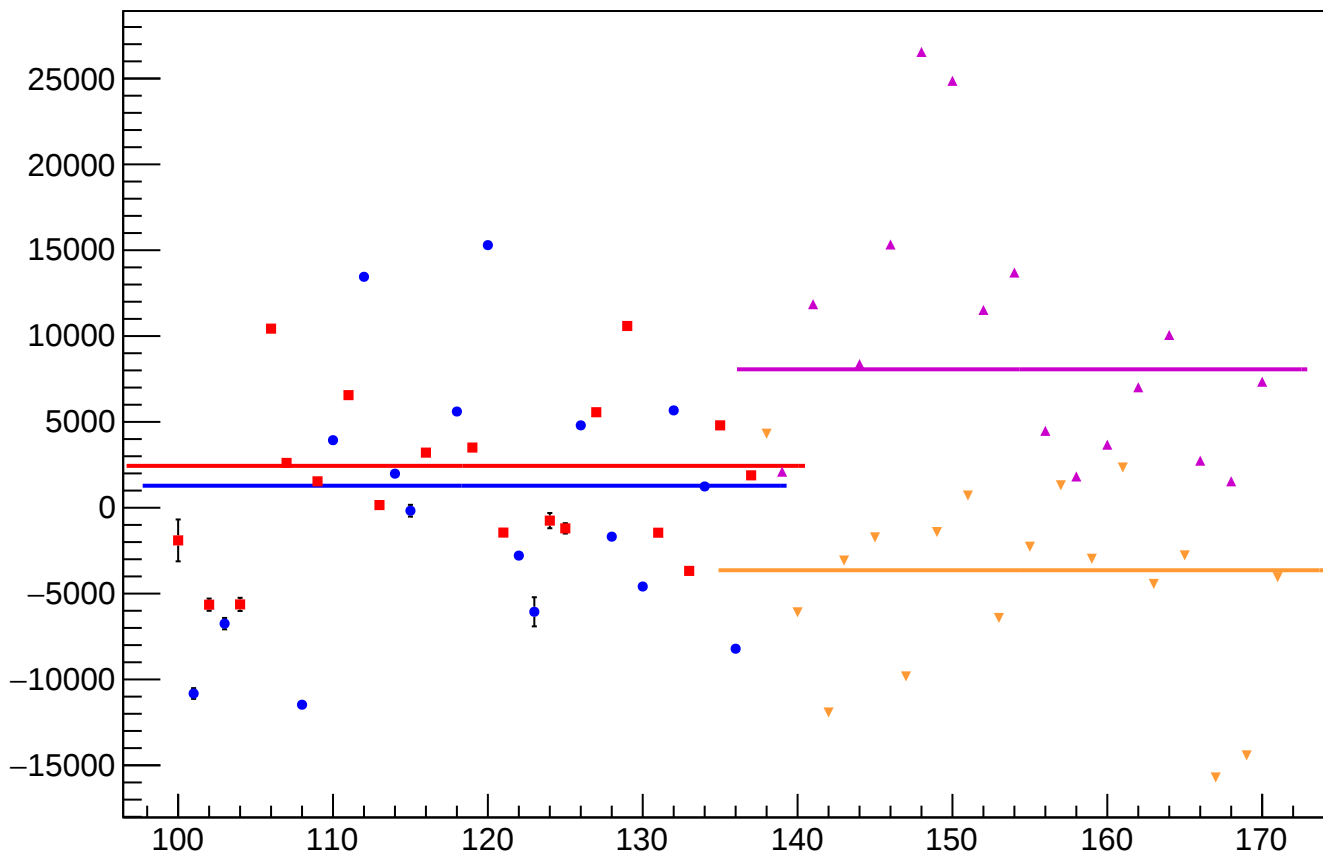
Left In: 160.549 $\pm$ 0.033 χ^2 /NDF: 697906.3/15

+ sign 150.103 $\pm$ 0.024 χ^2 /NDF: 1471509.7/34

All: 150.310 $\pm$ 0.017 χ^2 /NDF: 3142542.9/69

- 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: -3640.773+/-39.131 χ^2/NDF : 17849.5/17

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

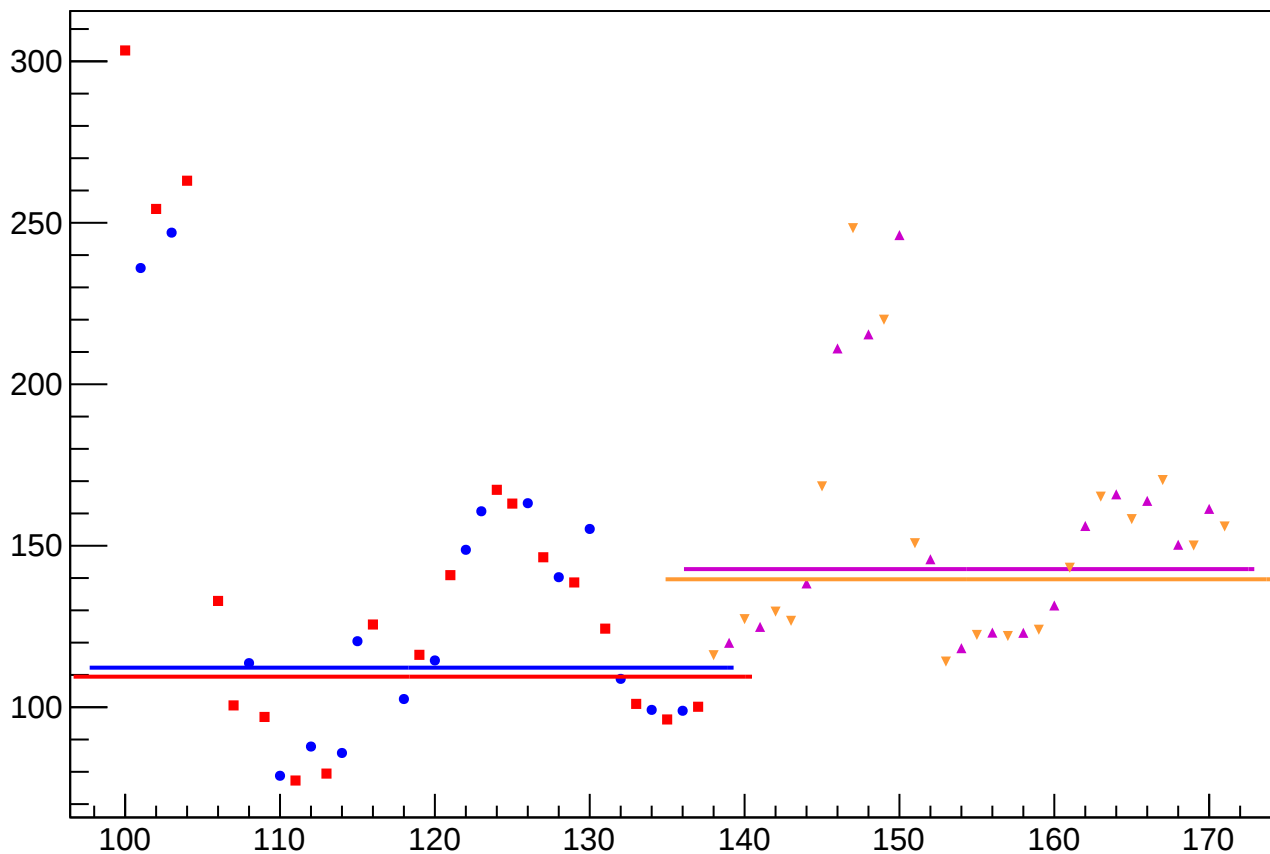
Left In: 8062.798+/-41.750 χ^2/NDF : 21113.5/15

+ sign -1603.222+/-29.959 χ^2/NDF : 54942.3/34

All: 1858.199+/-21.331 χ^2/NDF : 119341.3/69

- sign 5417.143+/-30.379 χ^2/NDF : 37325.3/34

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 139.616+/-0.028 χ^2/NDF : 949422.2/17

Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

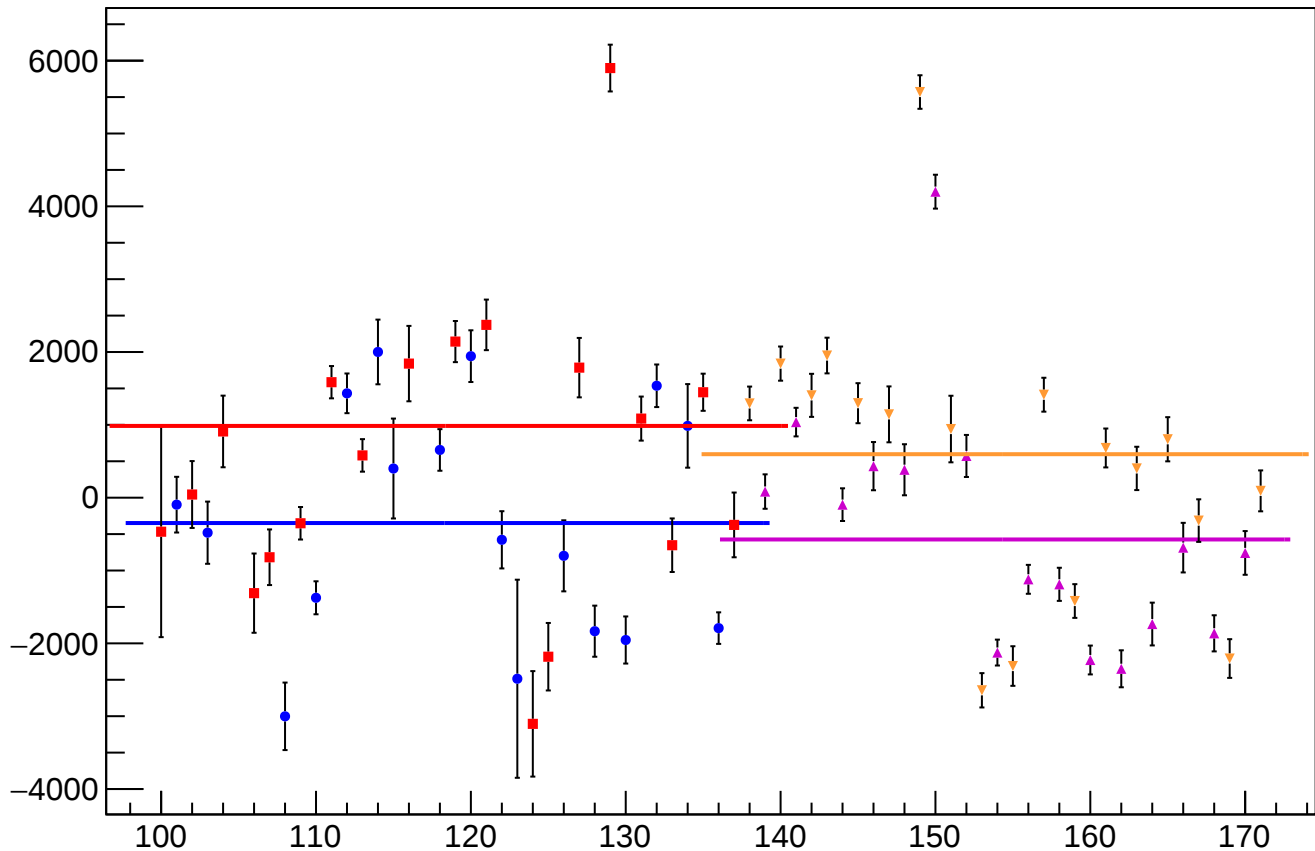
Left In: 142.769+/-0.030 χ^2/NDF : 970640.5/15

+ sign 128.292+/-0.021 χ^2/NDF : 2479742.0/34

All: 127.702+/-0.015 χ^2/NDF : 5320601.0/69

- sign 127.096+/-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: 597.053+/-62.986 χ^2/NDF :1067.6/17

Right Out: 985.242+/-77.683 χ^2/NDF : 476.6/18

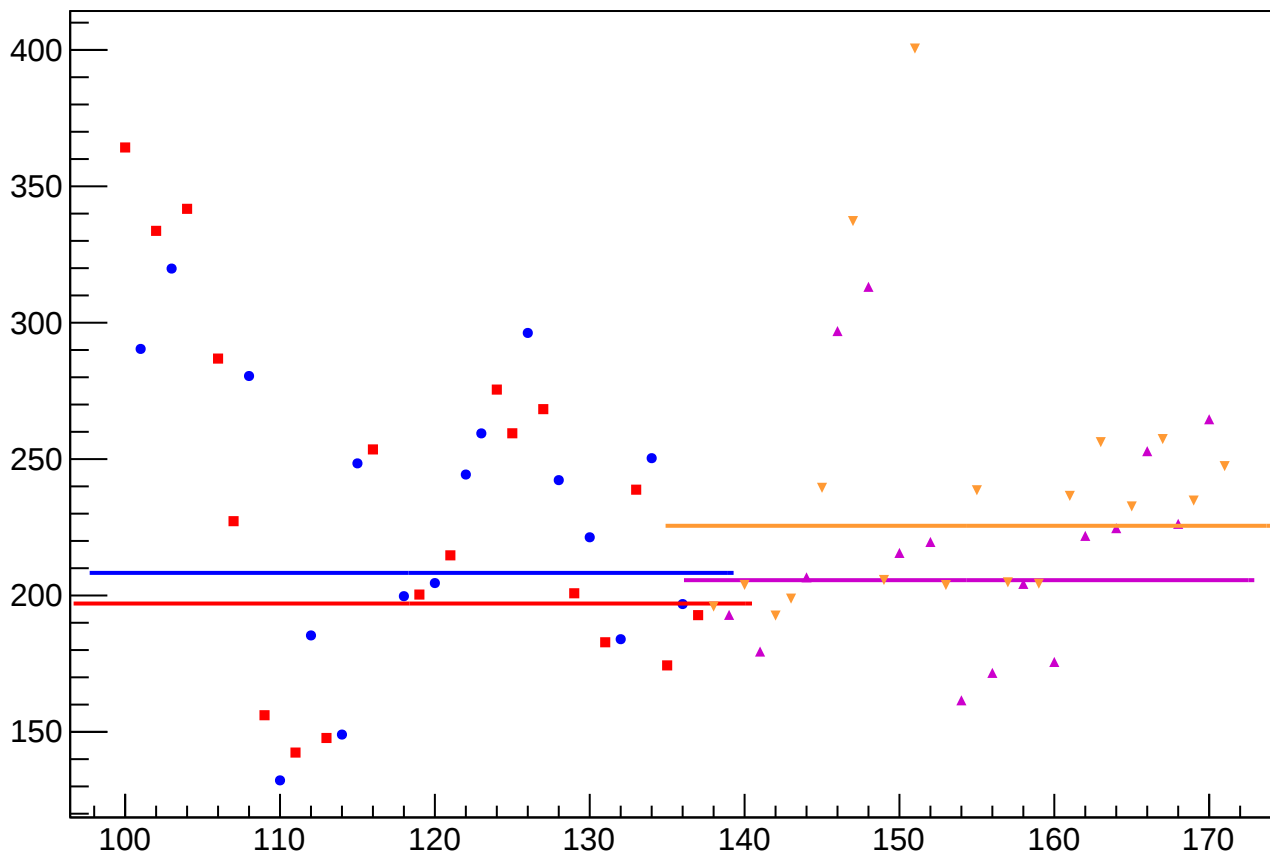
Left In: -573.675+/-60.144 χ^2/NDF :786.6/15

+ sign 256.009+/-50.355 χ^2/NDF : 1466.2/34

All: 126.275+/-34.575 χ^2/NDF : 2993.7/69

- 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: 225.552+/-0.045 χ^2/NDF : 699235.3/17

Right Out: 197.051+/-0.055 χ^2/NDF : 926786.6/18

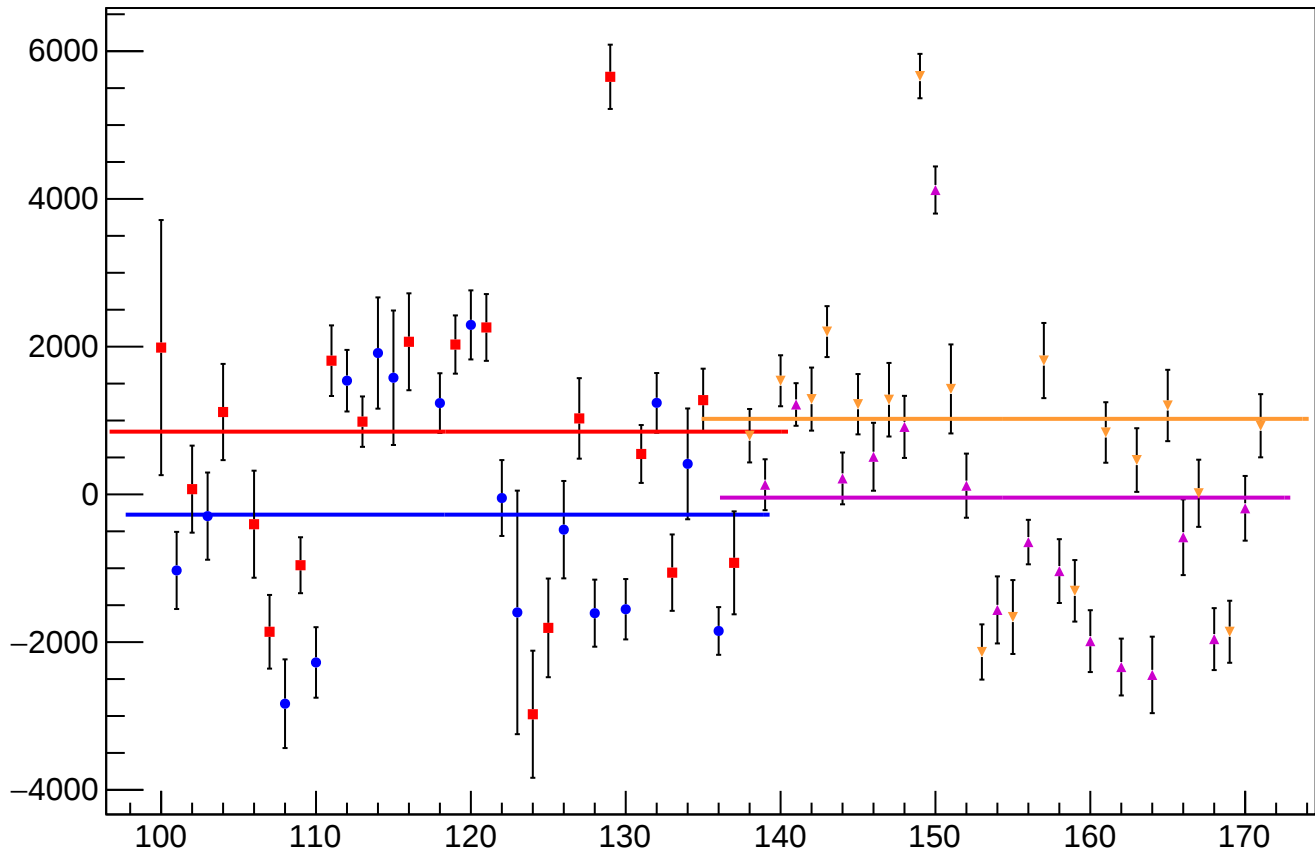
Left In: 205.616+/-0.043 χ^2/NDF : 764004.1/15

+ sign 219.322+/-0.036 χ^2/NDF : 1451951.4/34

All: 210.381+/-0.024 χ^2/NDF : 3277244.6/69

- 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: 1022.672 ± 97.045 χ^2/NDF : 442.0/17

Right Out: 849.413 ± 115.349 χ^2/NDF : 263.3/18

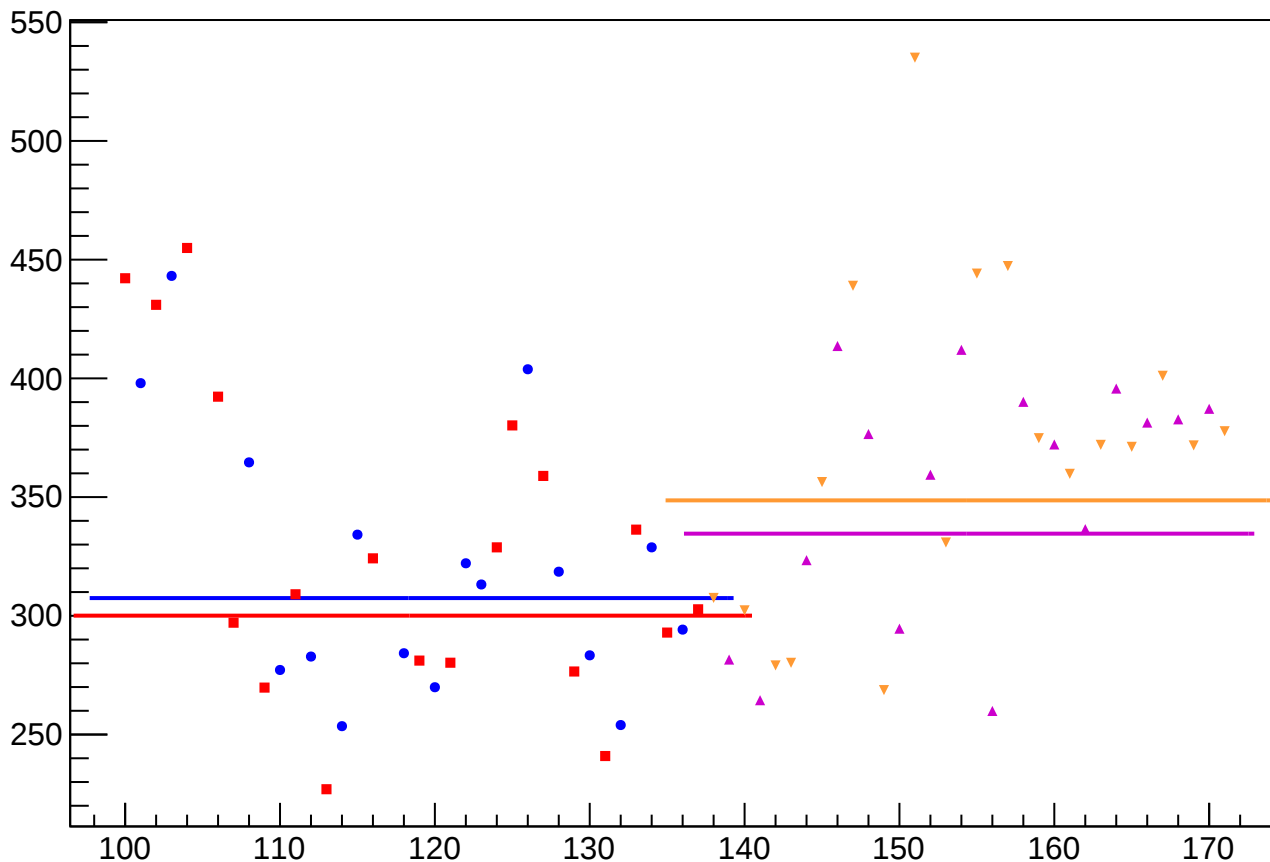
Left In: -43.821 ± 97.022 χ^2/NDF : 318.2/15

+ sign 516.652 ± 75.784 χ^2/NDF : 683.2/34

All: 419.521 ± 53.037 χ^2/NDF : 1303.0/69

- sign 326.284 ± 74.249 χ^2/NDF : 616.6/34

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 $\pm$ 0.086 χ^2 /NDF: 323096.7/16

Left Out: 348.618 $\pm$ 0.069 χ^2 /NDF: 807417.2/17

Right Out: 300.069 $\pm$ 0.082 χ^2 /NDF: 490398.9/18

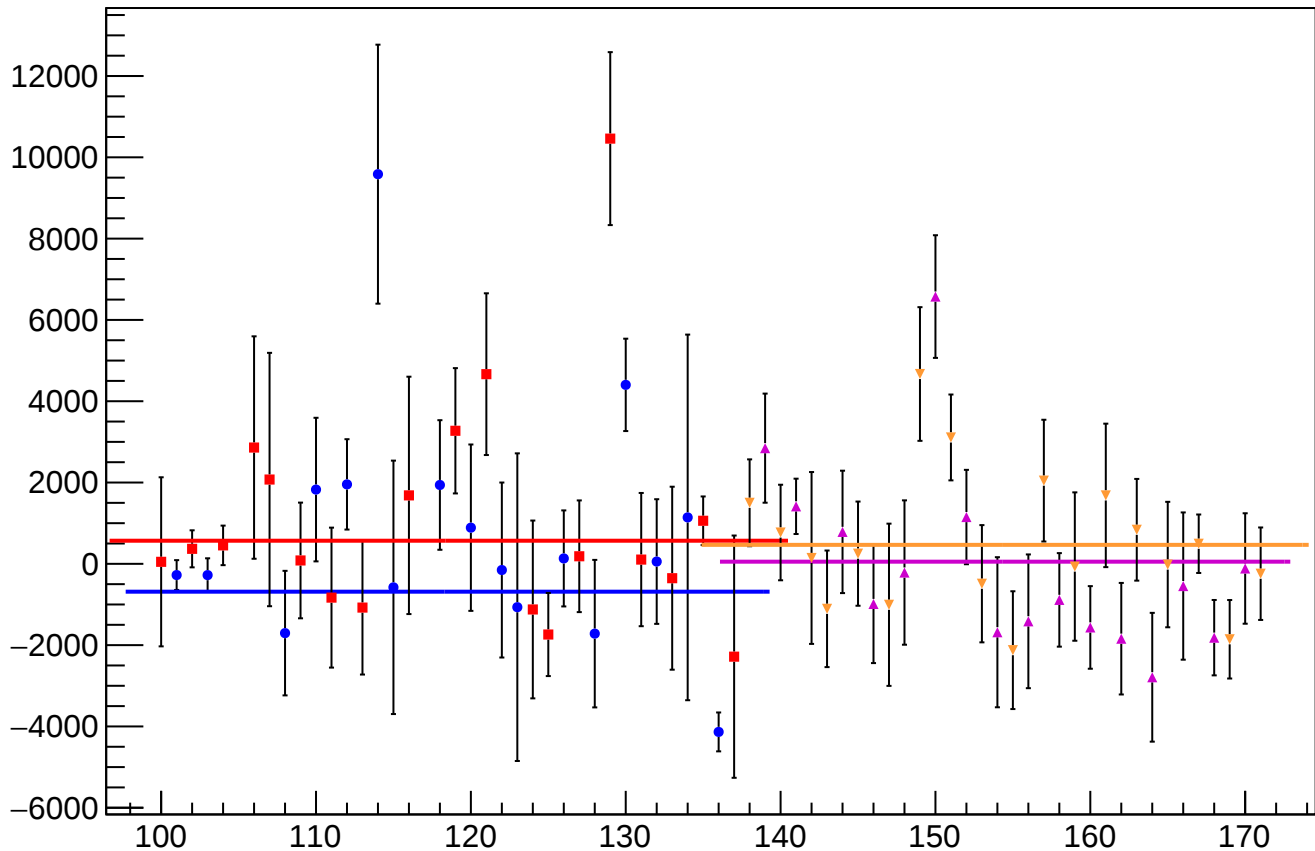
Left In: 334.599 $\pm$ 0.069 χ^2 /NDF: 614814.5/15

+ sign 332.562 $\pm$ 0.054 χ^2 /NDF: 1270817.9/34

All: 326.302 $\pm$ 0.038 χ^2 /NDF: 2507746.3/69

- sign 320.292 $\pm$ 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: 466.722 ± 297.481 χ^2/NDF : 27.3/17

Right Out: 568.651 ± 243.251 χ^2/NDF : 39.7/18

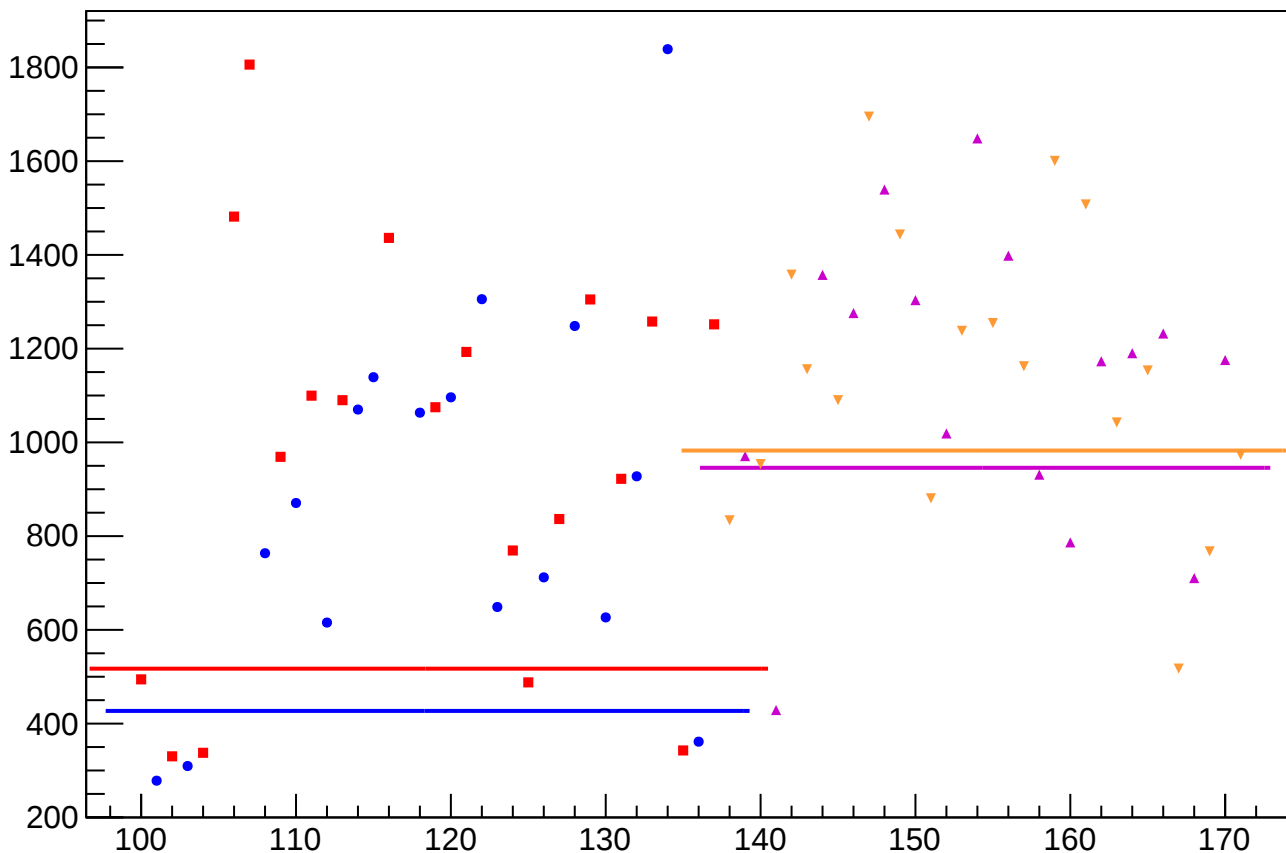
Left In: 53.059 ± 309.293 χ^2/NDF : 42.9/15

+ sign -301.154 ± 171.745 χ^2/NDF : 134.6/34

All: -0.734 ± 127.769 χ^2/NDF : 225.8/69

- 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: 982.591+/-0.210 χ^2/NDF : 2111337.9/17

Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

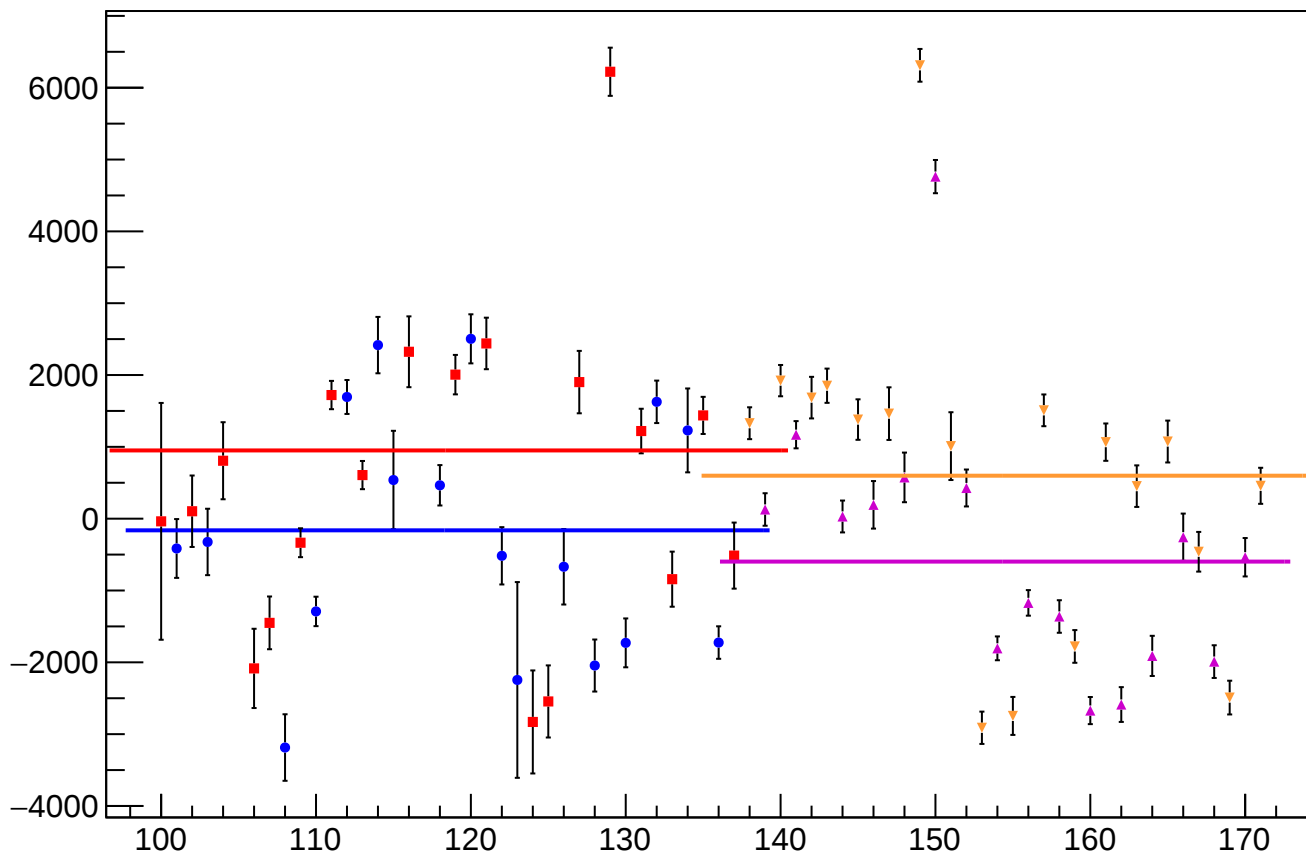
Left In: 945.775+/-0.219 χ^2/NDF : 2579837.9/15

+ sign 612.238+/-0.121 χ^2/NDF : 9626673.5/34

All: 642.946+/-0.090 χ^2/NDF : 18326996.2/69

- 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: 598.282 ± 60.398 χ^2/NDF : 1455.1/17

Right Out: 950.093 ± 75.133 χ^2/NDF : 539.8/18

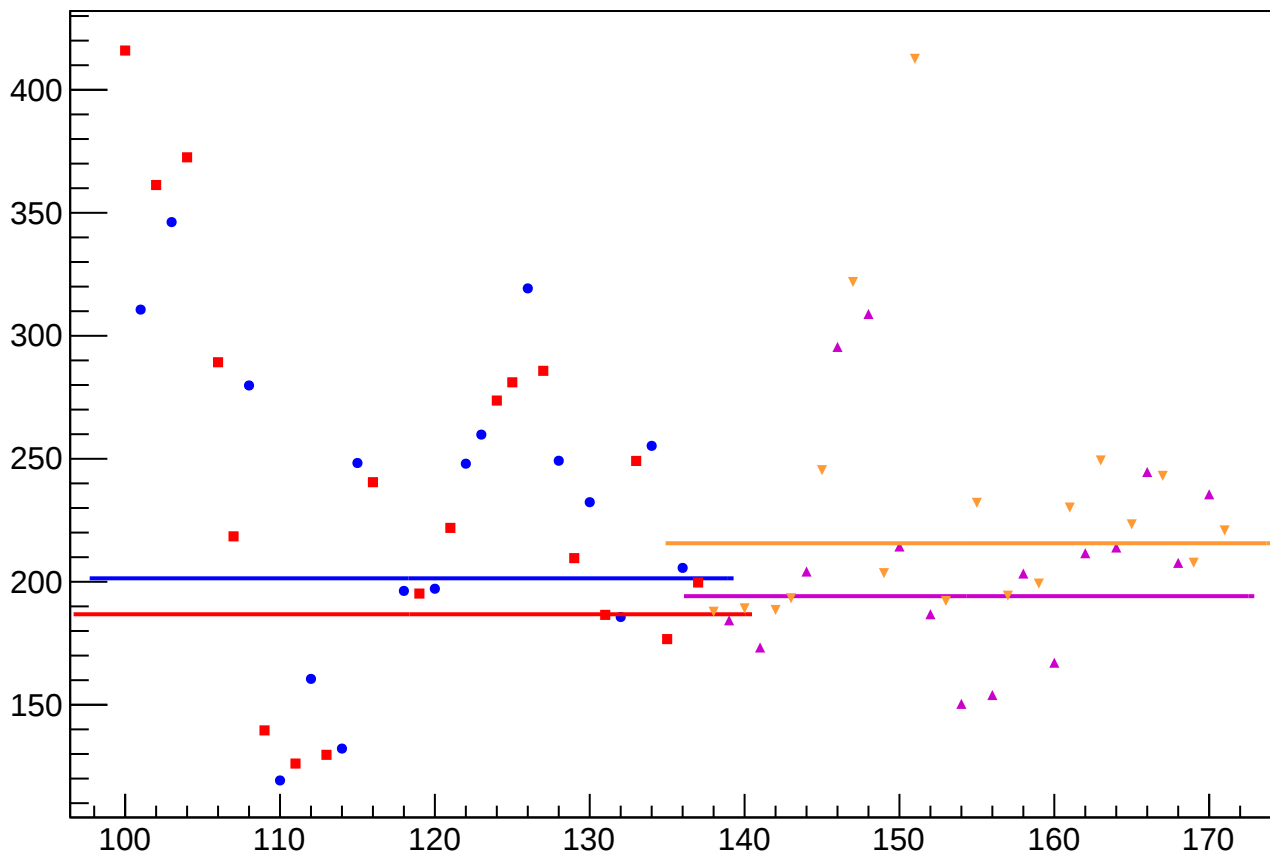
Left In: -597.585 ± 57.087 χ^2/NDF : 998.5/15

+ sign 332.242 ± 48.703 χ^2/NDF : 1898.1/34

All: 138.042 ± 33.230 χ^2/NDF : 3735.1/69

- 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: 215.662 $\pm$ 0.043 χ^2 /NDF: 756305.7/17

Right Out: 186.797 $\pm$ 0.053 χ^2 /NDF: 1393162.0/18

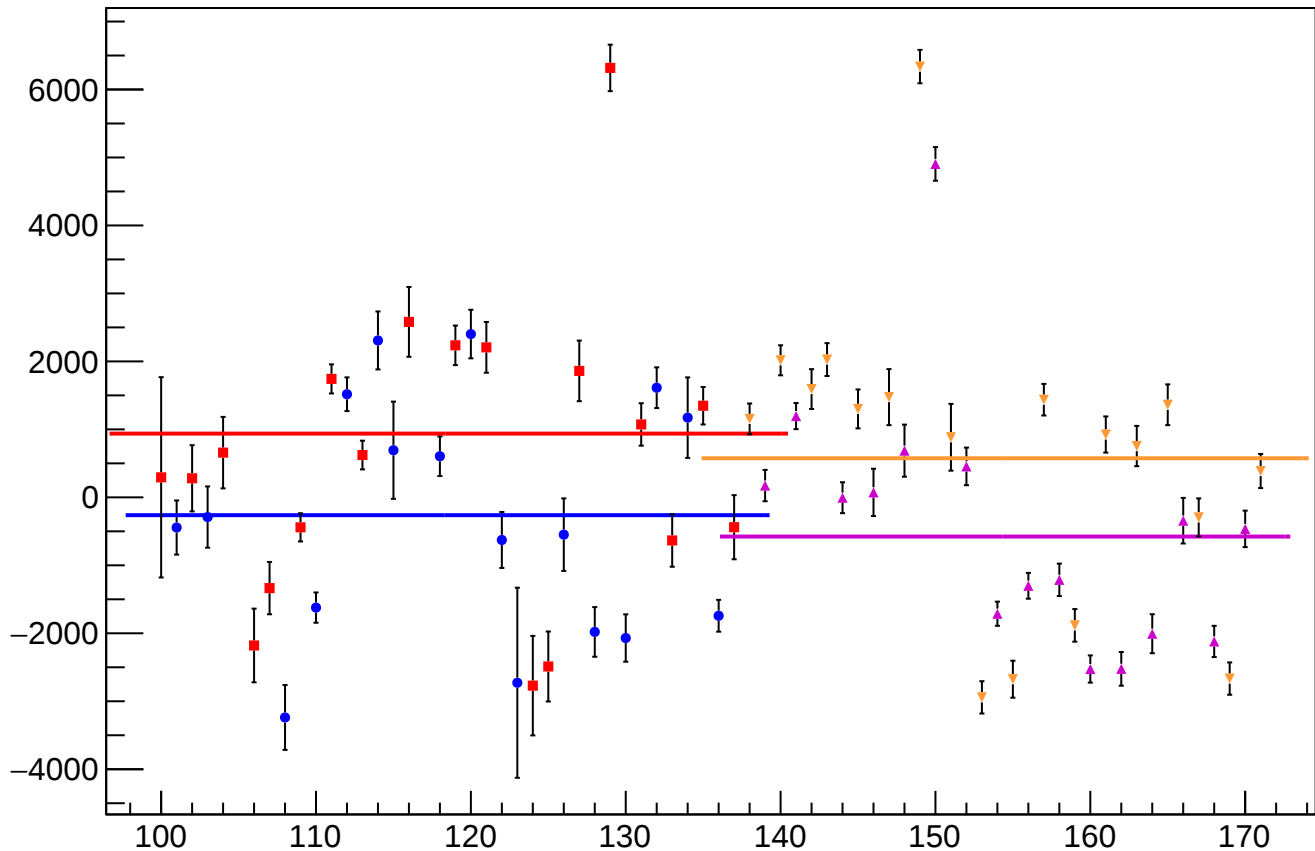
Left In: 194.156 $\pm$ 0.040 χ^2 /NDF: 864948.9/15

+ sign 210.677 $\pm$ 0.034 χ^2 /NDF: 1851283.3/34

All: 200.408 $\pm$ 0.023 χ^2 /NDF: 4287930.1/69

- 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: 575.001 ± 62.306 χ^2/NDF : 1344.4/17

Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

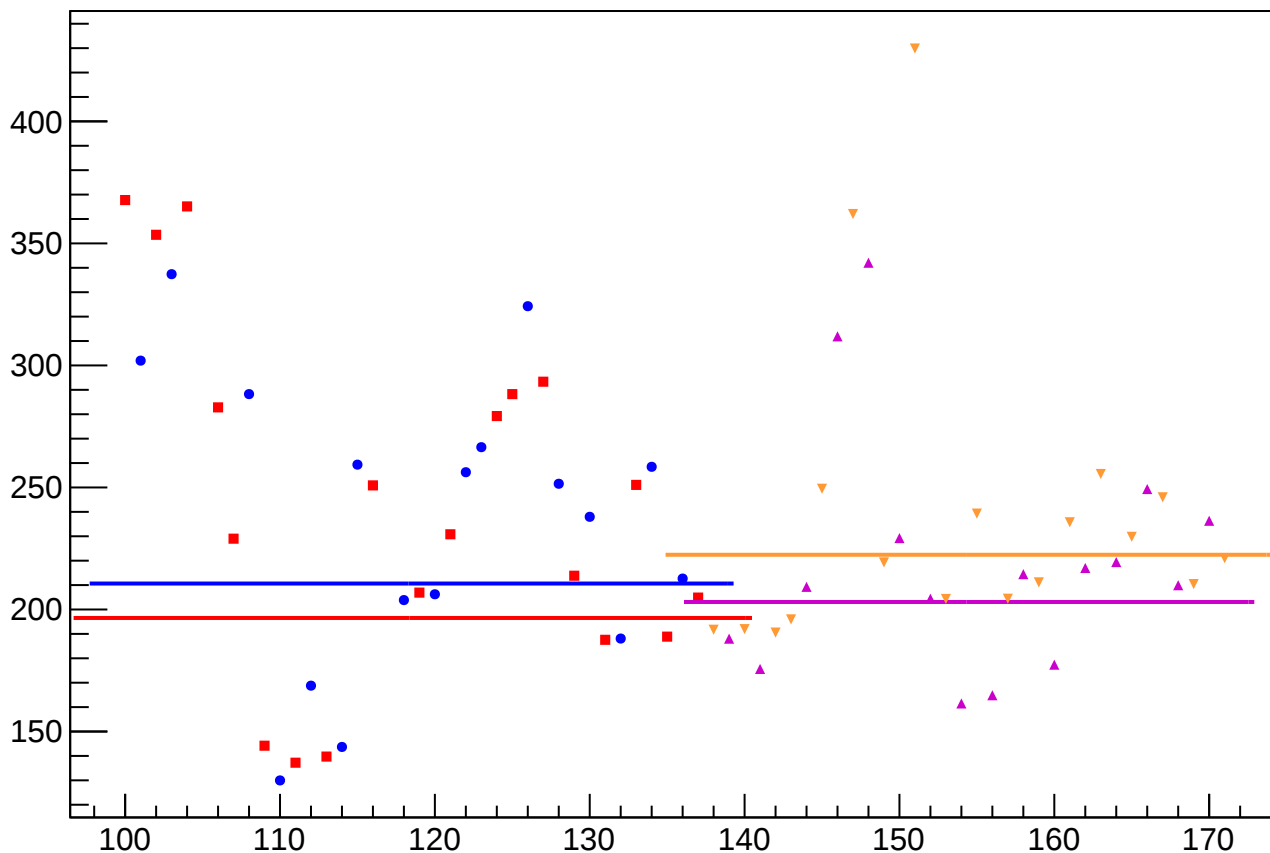
Left In: -576.719 ± 59.594 χ^2/NDF : 910.4/15

+ sign 284.277 ± 50.341 χ^2/NDF : 1775.8/34

All: 121.857 ± 34.529 χ^2/NDF : 3464.1/69

- sign -22.450 ± 47.451 χ^2/NDF : 1668.6/34

asym_bpm0l05WS_rms vs Slug



Right In: 210.636 $\pm$ 0.060 χ^2/NDF : 875776.4/16

Left Out: 222.426 $\pm$ 0.044 χ^2/NDF : 812875.6/17

Right Out: 196.528 $\pm$ 0.055 χ^2/NDF : 1205091.0/18

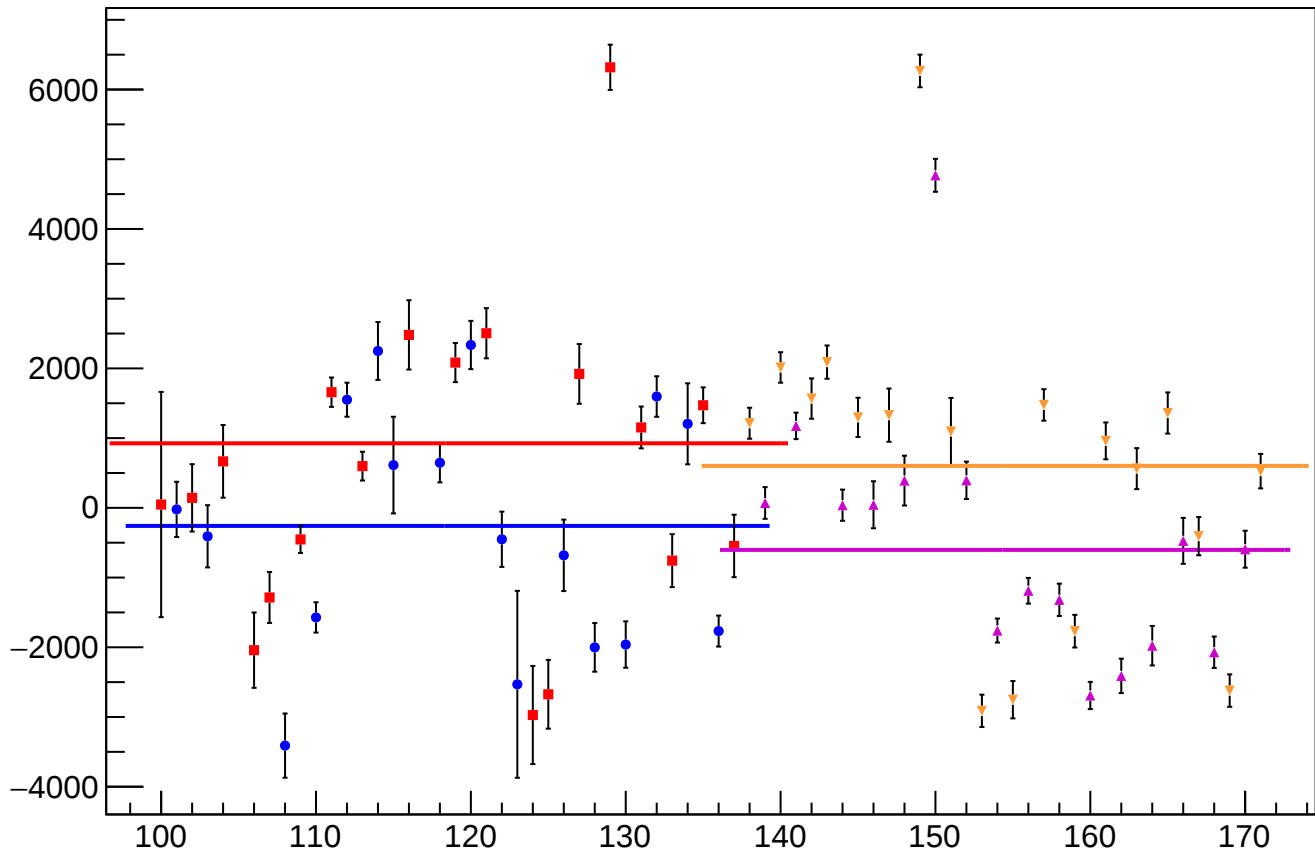
Left In: 203.077 $\pm$ 0.042 χ^2/NDF : 843196.1/15

+ sign 218.332 $\pm$ 0.036 χ^2/NDF : 1713516.2/34

All: 208.985 $\pm$ 0.024 χ^2/NDF : 3900857.6/69

- sign 200.680 $\pm$ 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: 602.076 ± 61.040 χ^2/NDF : 1413.5/17

Right Out: 925.534 ± 75.503 χ^2/NDF : 581.9/18

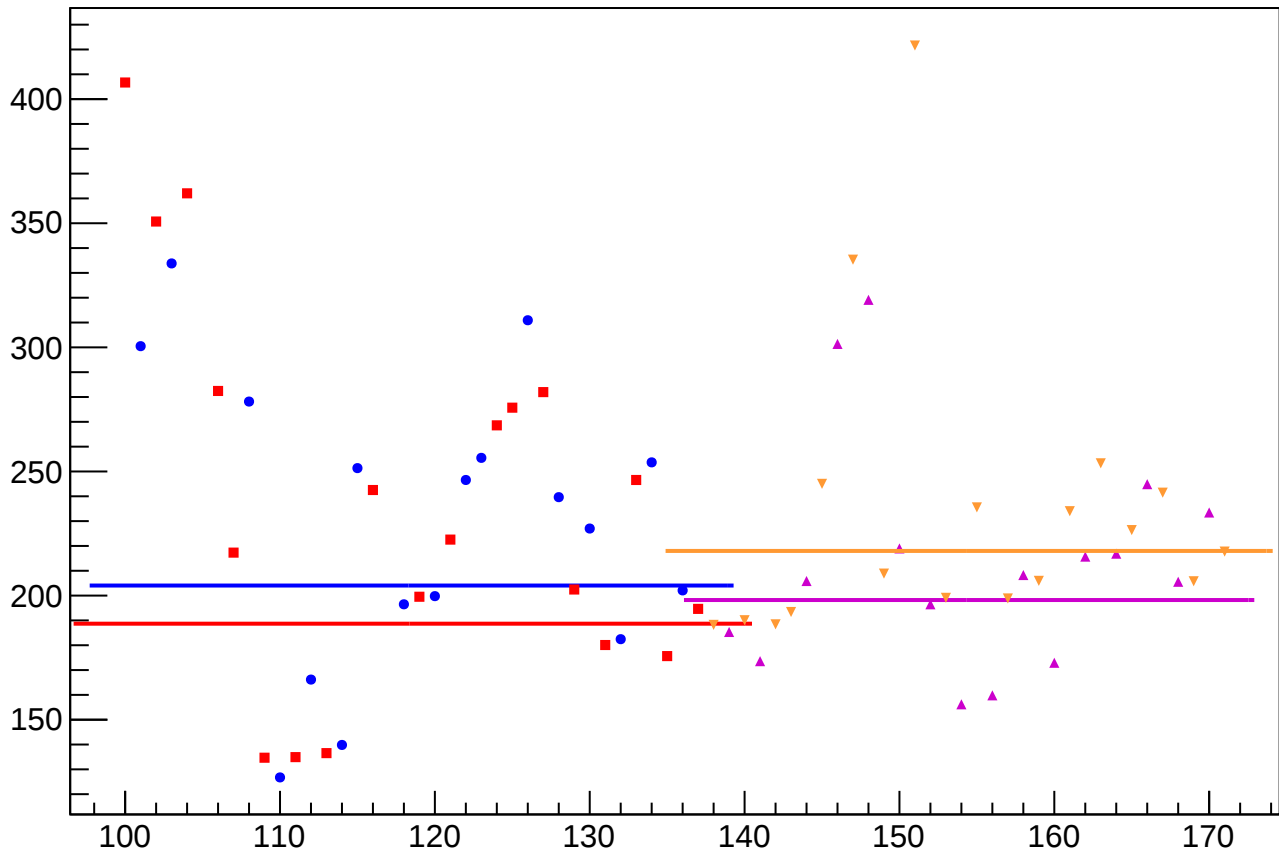
Left In: -603.151 ± 58.171 χ^2/NDF : 945.5/15

+ sign 298.849 ± 49.132 χ^2/NDF : 1874.8/34

All: 121.906 ± 33.611 χ^2/NDF : 3683.8/69

- sign -33.740 ± 46.081 χ^2/NDF : 1784.6/34

asym_bpm0l06WS_rms vs Slug



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 217.991+/-0.043 χ^2/NDF : 777213.5/17

Right Out: 188.681+/-0.053 χ^2/NDF : 1251107.4/18

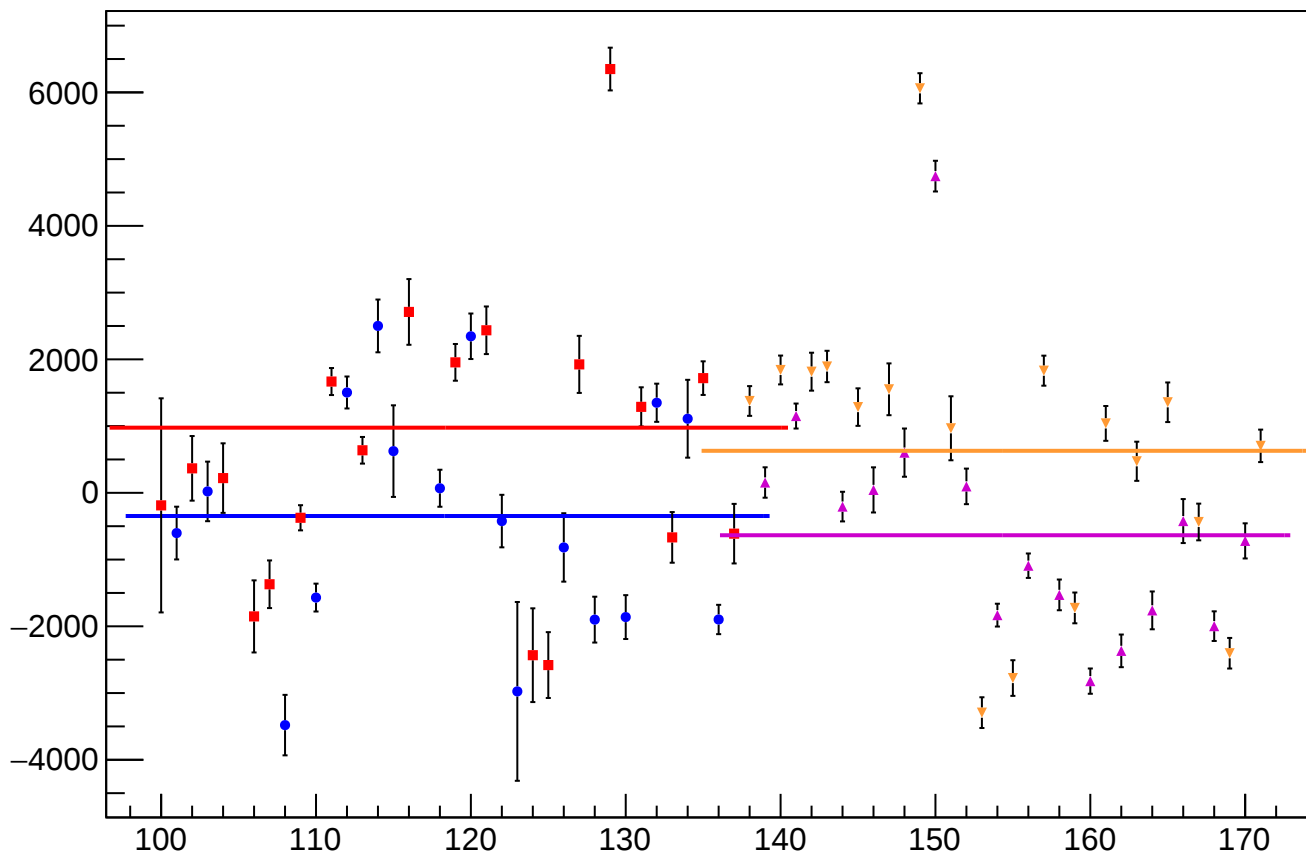
Left In: 198.212+/-0.041 χ^2/NDF : 813960.9/15

+ sign 213.083+/-0.035 χ^2/NDF : 1682364.2/34

All: 203.283+/-0.024 χ^2/NDF : 3917009.4/69

- sign 194.662+/-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: 629.668 ± 60.480 χ^2/NDF : 1459.5/17

Right Out: 976.286 ± 73.889 χ^2/NDF : 585.7/18

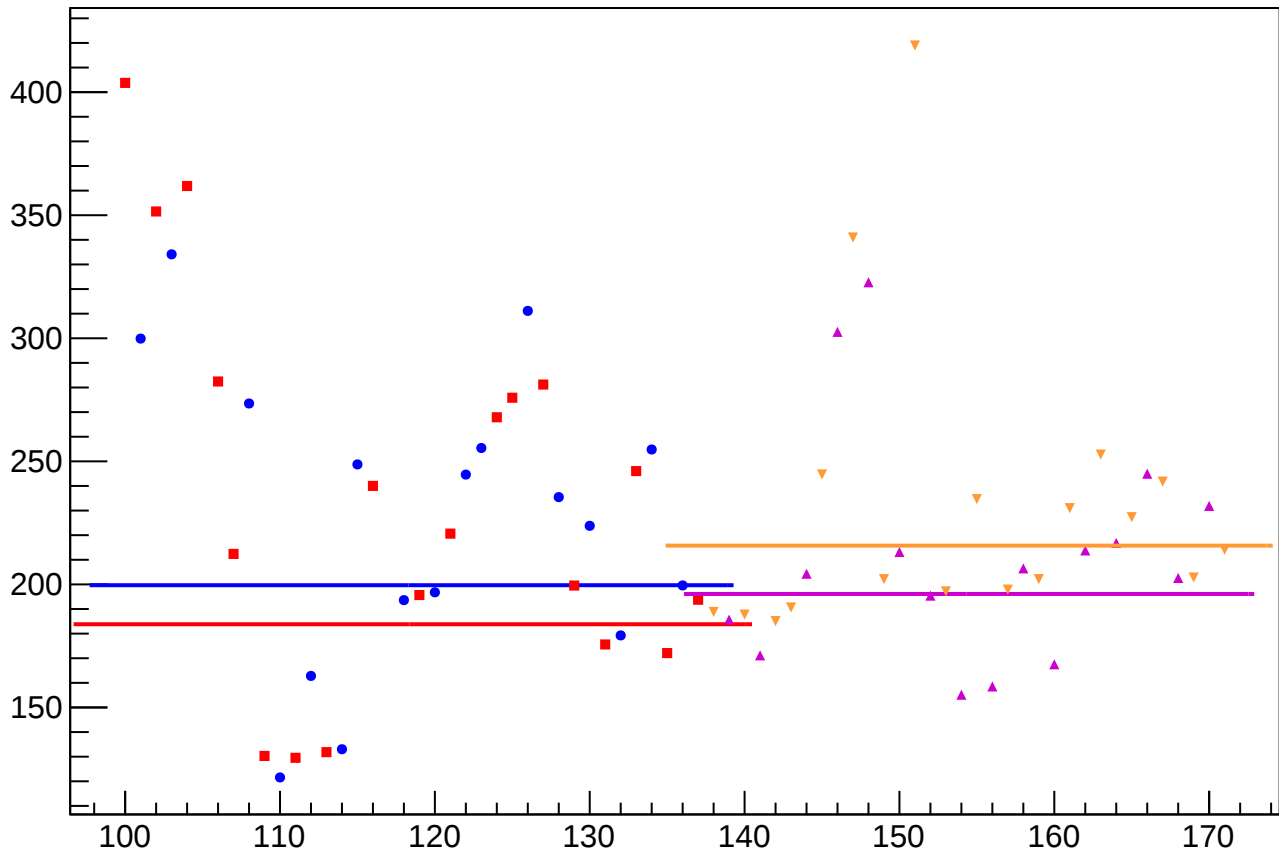
Left In: -635.491 ± 57.608 χ^2/NDF : 984.5/15

+ sign 281.738 ± 48.529 χ^2/NDF : 1951.5/34

All: 117.658 ± 33.166 χ^2/NDF : 3839.2/69

- 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: 215.757 $\pm$ 0.043 χ^2 /NDF:813474.9/17

+ sign 210.027 $\pm$ 0.034 χ^2 /NDF: 1807029.8/34

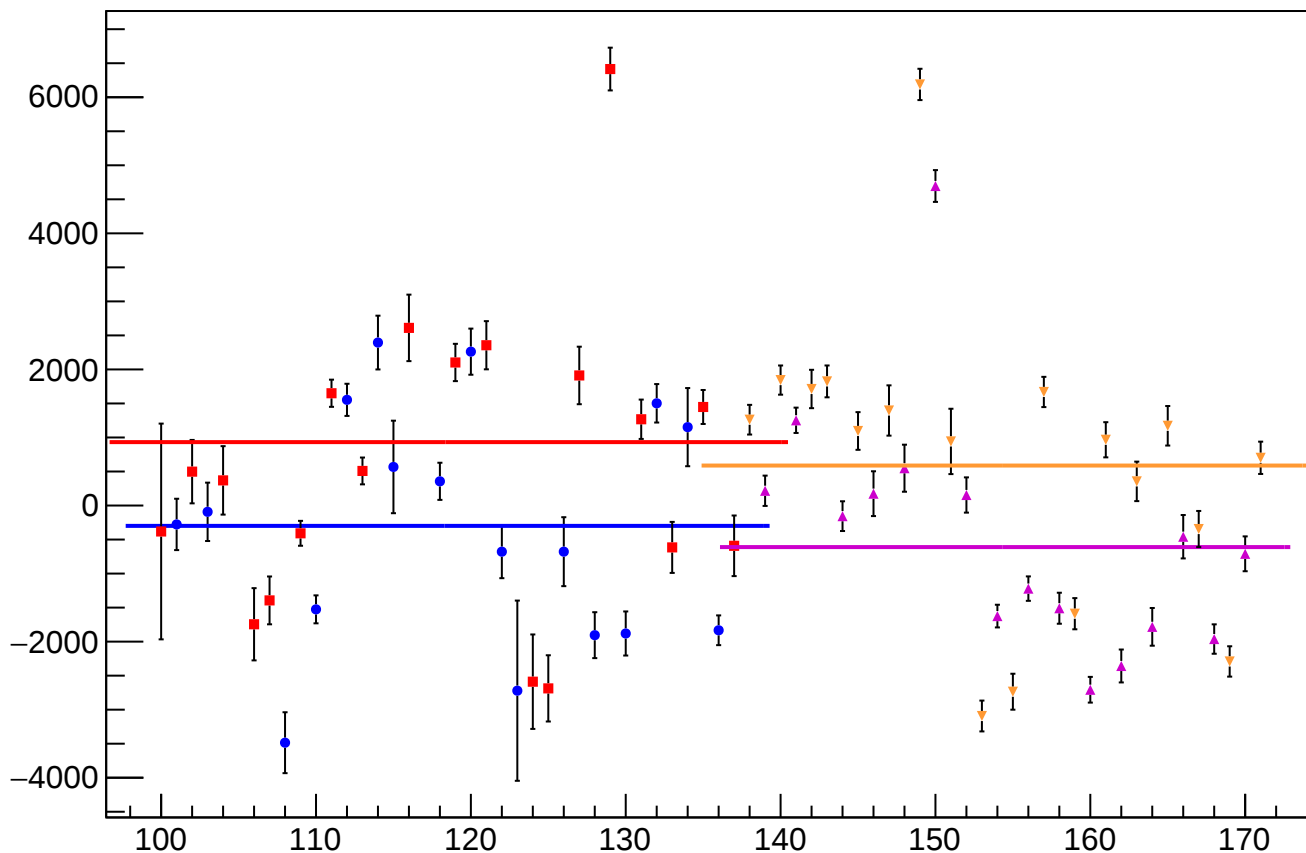
Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

All: 200.132 $\pm$ 0.023 χ^2 /NDF: 4196759.7/69

Left In: 196.110 $\pm$ 0.041 χ^2 /NDF:849590.6/15

- 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: 587.612 ± 59.649 χ^2/NDF : 1411.8/17

Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

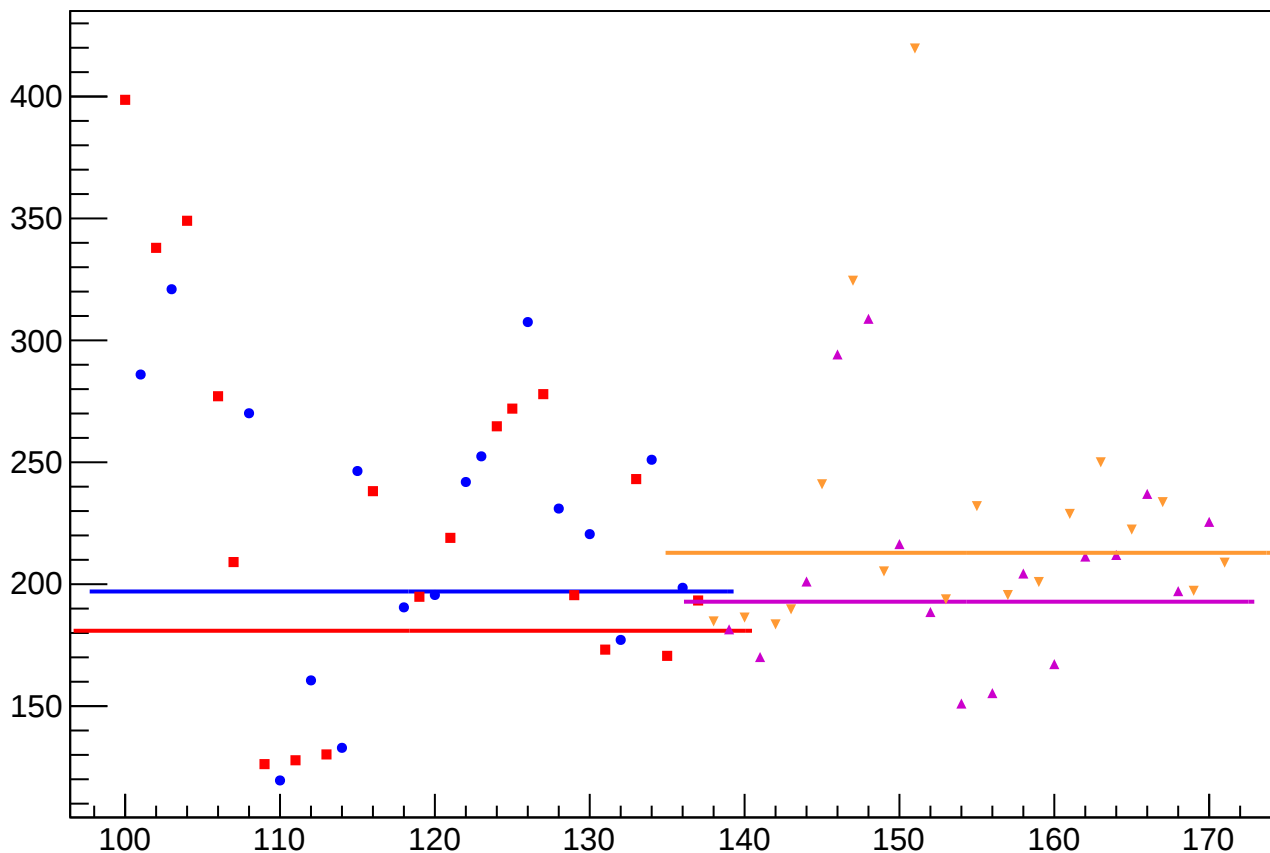
Left In: -610.666 ± 56.641 χ^2/NDF : 956.7/15

+ sign 271.658 ± 47.854 χ^2/NDF : 1897.1/34

All: 111.323 ± 32.663 χ^2/NDF : 3769.5/69

- 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: 212.877+/-0.042 χ^2/NDF : 788981.9/17

Right Out: 180.906+/-0.051 χ^2/NDF : 1345685.7/18

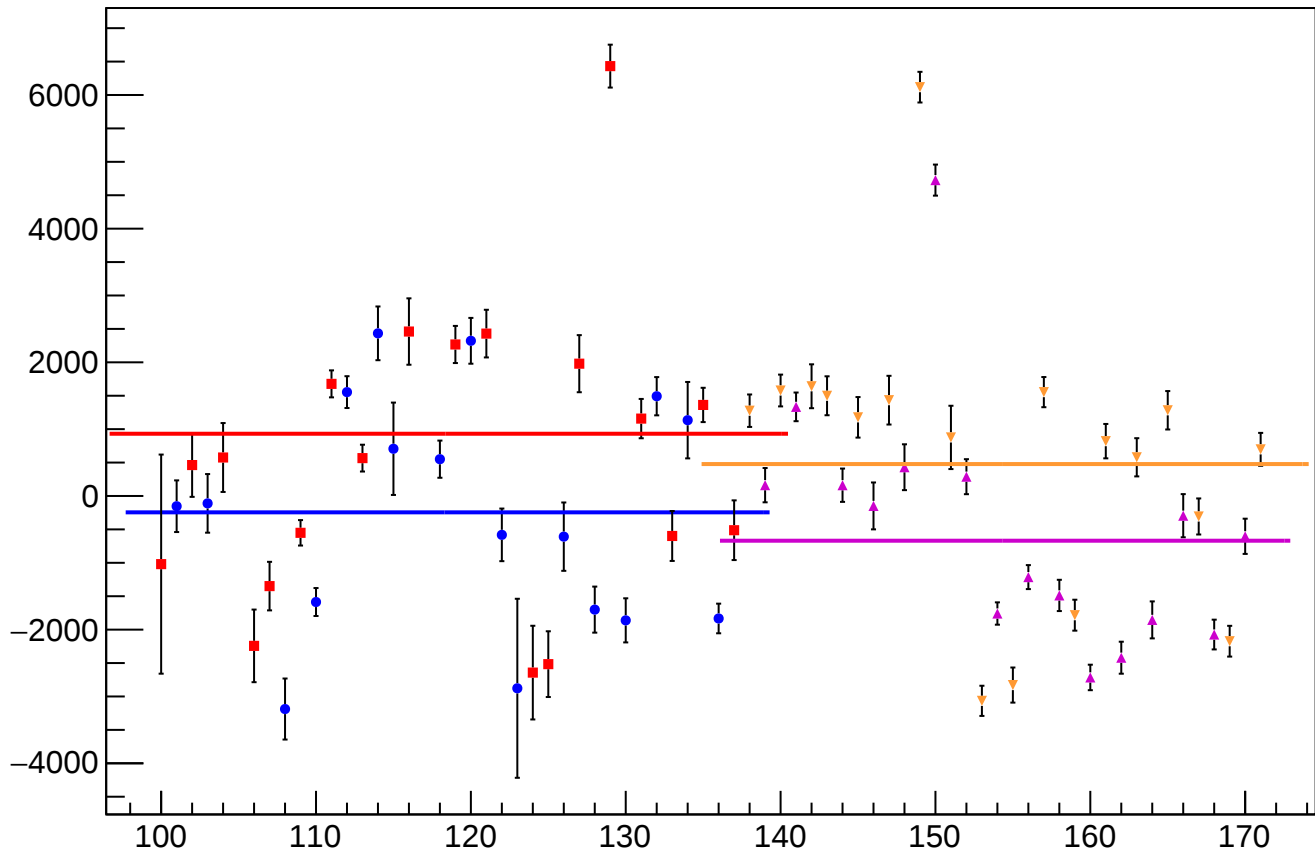
Left In: 192.821+/-0.040 χ^2/NDF : 821678.1/15

+ sign 207.224+/-0.034 χ^2/NDF : 1751319.9/34

All: 197.129+/-0.023 χ^2/NDF : 4118702.8/69

- 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: 477.576 ± 62.193 χ^2/NDF : 1349.1/17

Right Out: 931.272 ± 74.206 χ^2/NDF : 609.7/18

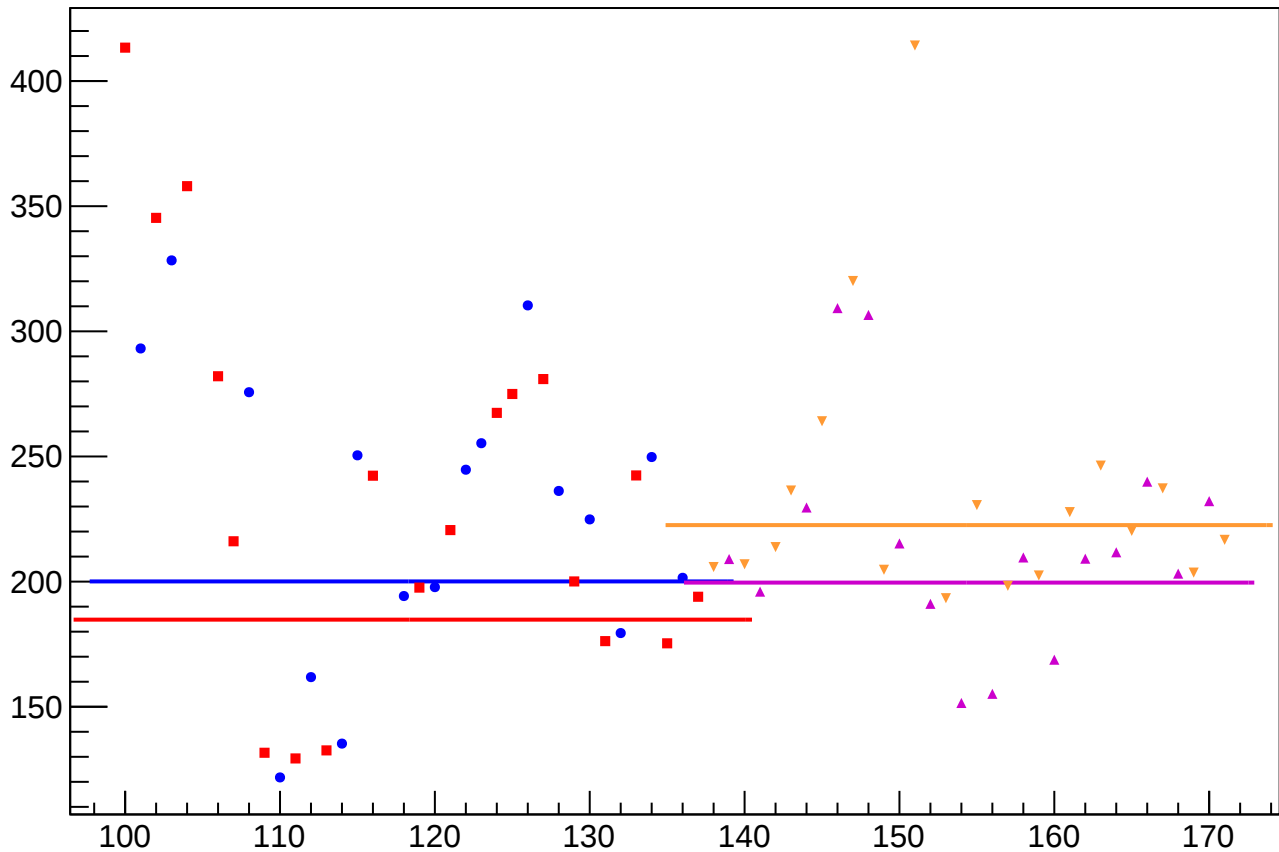
Left In: -669.416 ± 58.712 χ^2/NDF : 966.0/15

+ sign 211.246 ± 49.418 χ^2/NDF : 1790.2/34

All: 69.709 ± 33.688 χ^2/NDF : 3667.4/69

- 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: 222.579+/-0.044 χ^2/NDF : 653159.9/17

Right Out: 184.807+/-0.052 χ^2/NDF : 1318267.6/18

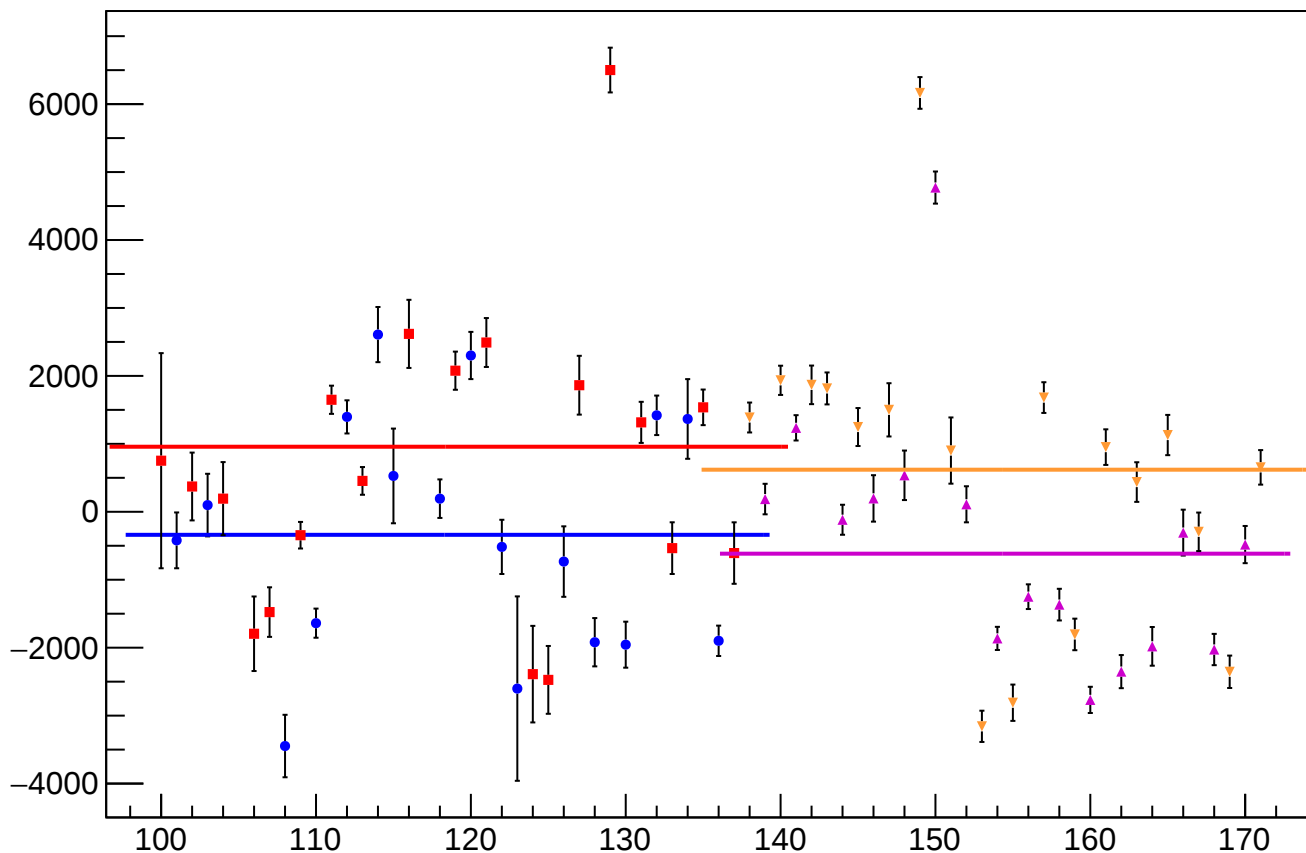
Left In: 199.606+/-0.042 χ^2/NDF : 846782.7/15

+ sign 214.284+/-0.035 χ^2/NDF : 1667963.2/34

All: 203.377+/-0.024 χ^2/NDF : 4063941.1/69

- 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: 619.539 ± 60.981 χ^2/NDF : 1406.7/17

Right Out: 957.615 ± 75.749 χ^2/NDF : 570.3/18

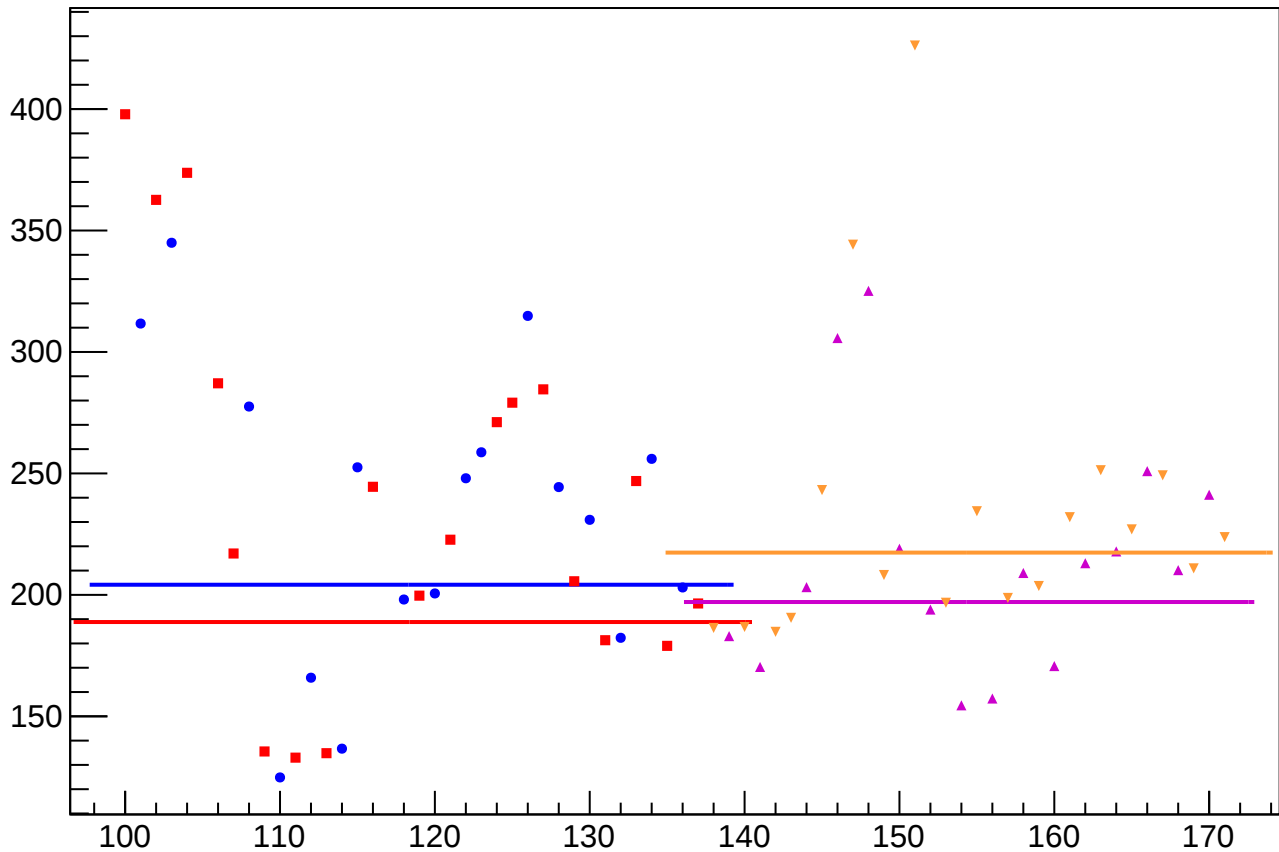
Left In: -616.530 ± 57.979 χ^2/NDF : 972.5/15

+ sign 284.165 ± 49.168 χ^2/NDF : 1882.7/34

All: 114.105 ± 33.607 χ^2/NDF : 3720.2/69

- 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: 217.408 $\pm$ 0.043 χ^2 /NDF: 837374.3/17

Right Out: 188.821 $\pm$ 0.054 χ^2 /NDF: 1314891.2/18

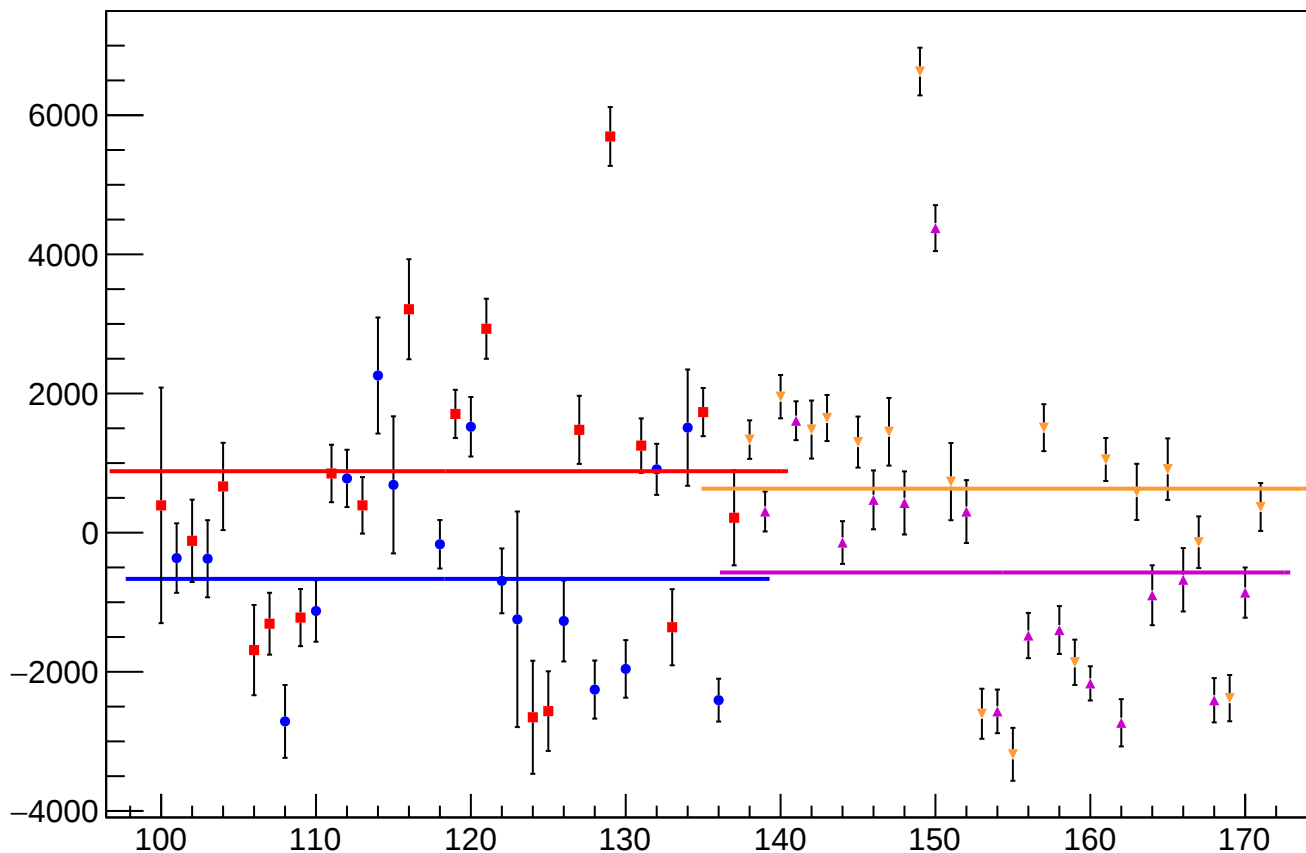
Left In: 197.060 $\pm$ 0.041 χ^2 /NDF: 909173.7/15

+ sign 212.778 $\pm$ 0.035 χ^2 /NDF: 1817766.1/34

All: 202.781 $\pm$ 0.024 χ^2 /NDF: 4211910.1/69

- 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: 632.653 ± 84.241 χ^2/NDF : 686.0/17

Right Out: 883.255 ± 110.875 χ^2/NDF : 320.1/18

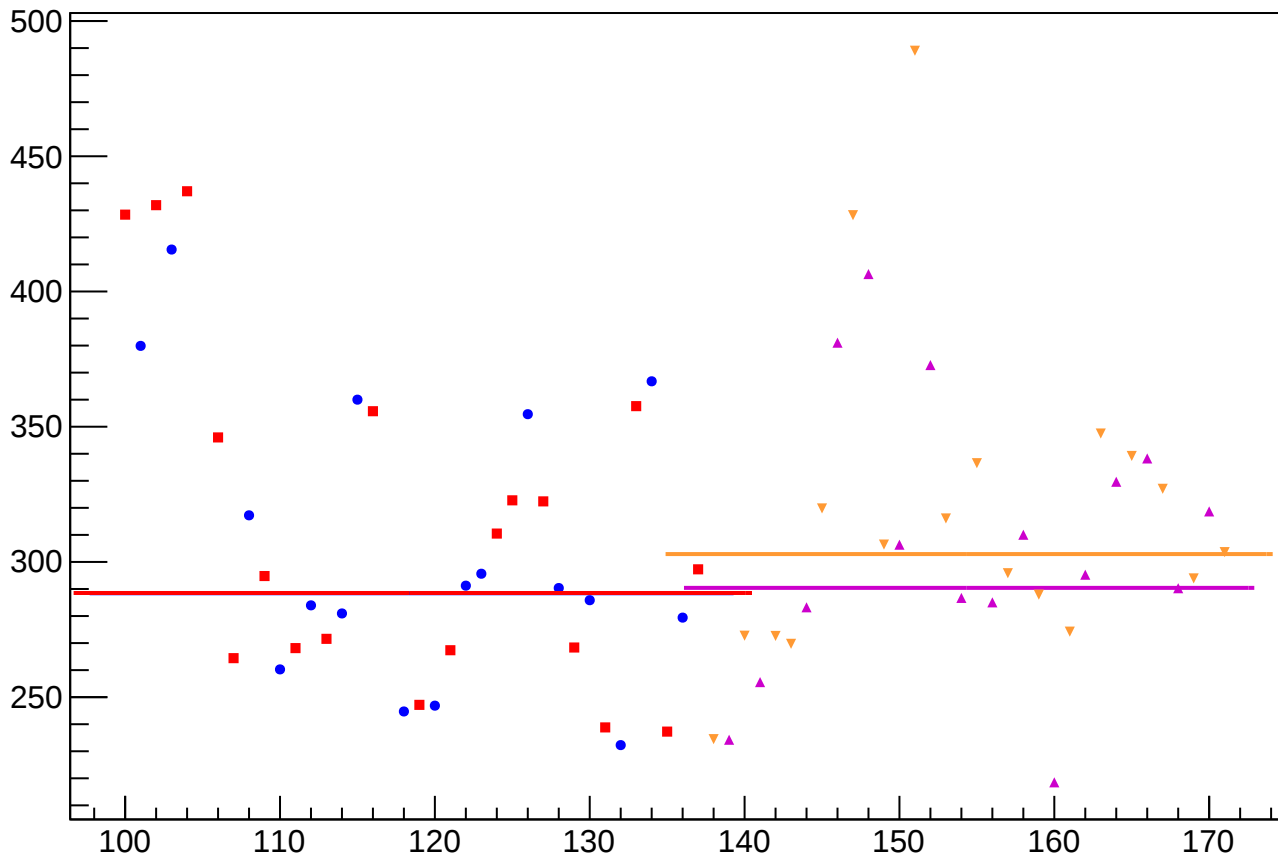
Left In: -572.581 ± 84.197 χ^2/NDF : 482.4/15

+ sign 174.284 ± 67.739 χ^2/NDF : 924.1/34

All: 65.999 ± 47.655 χ^2/NDF : 1841.0/69

- sign -40.107 ± 67.054 χ^2/NDF : 911.8/34

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 ± 0.081 $\chi^2/\text{NDF}: 339820.0/16$

Left Out: 302.910 ± 0.060 $\chi^2/\text{NDF}: 622284.8/17$

Right Out: 288.522 ± 0.078 $\chi^2/\text{NDF}: 455410.1/18$

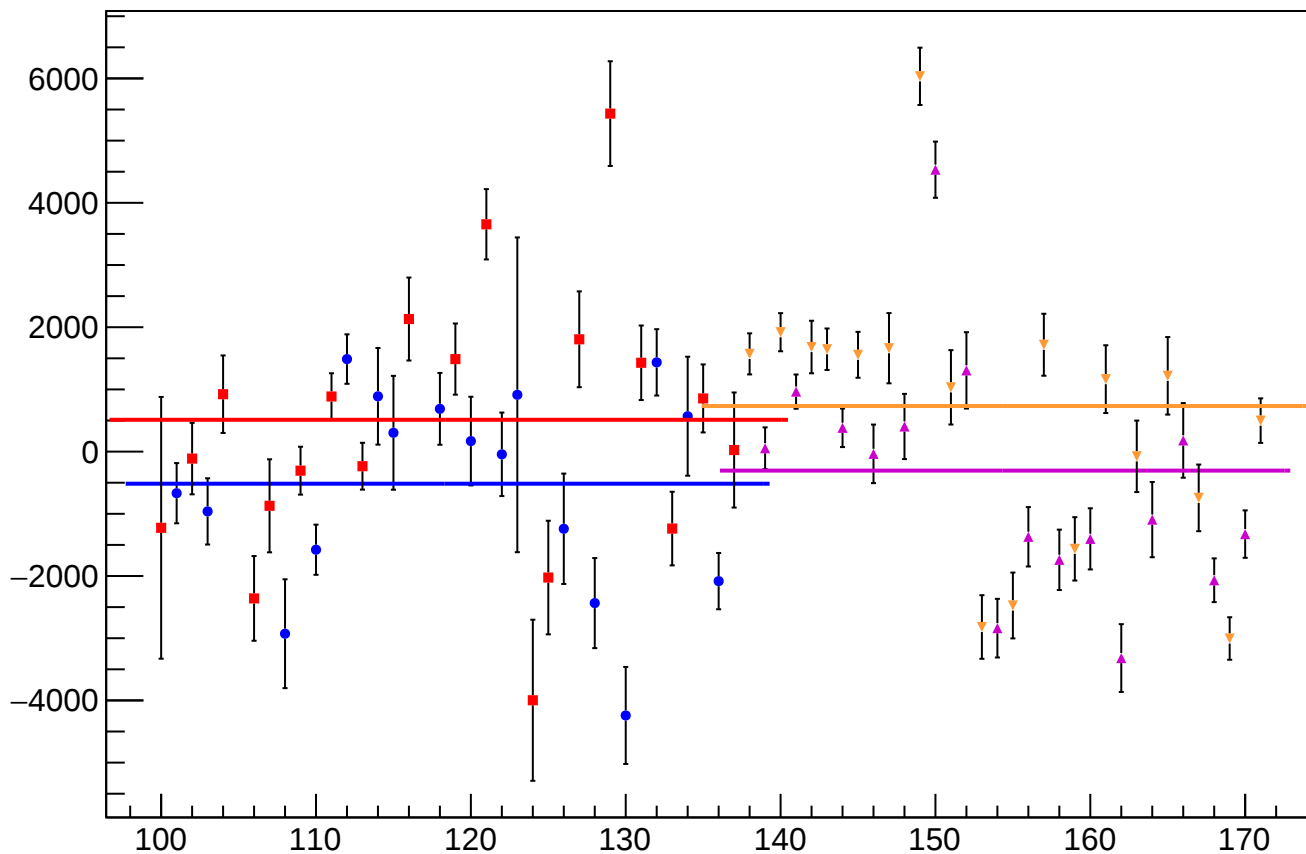
Left In: 290.415 ± 0.060 $\chi^2/\text{NDF}: 632246.3/15$

+ sign 297.792 ± 0.048 $\chi^2/\text{NDF}: 982992.4/34$

All: 293.716 ± 0.034 $\chi^2/\text{NDF}: 2085352.9/69$

- sign 289.723 ± 0.047 $\chi^2/\text{NDF}: 1088026.4/34$

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 χ^2/NDF : 108.0/16

Left Out: 732.849 ± 101.785 χ^2/NDF : 414.5/17

Right Out: 511.851 ± 135.798 χ^2/NDF : 141.3/18

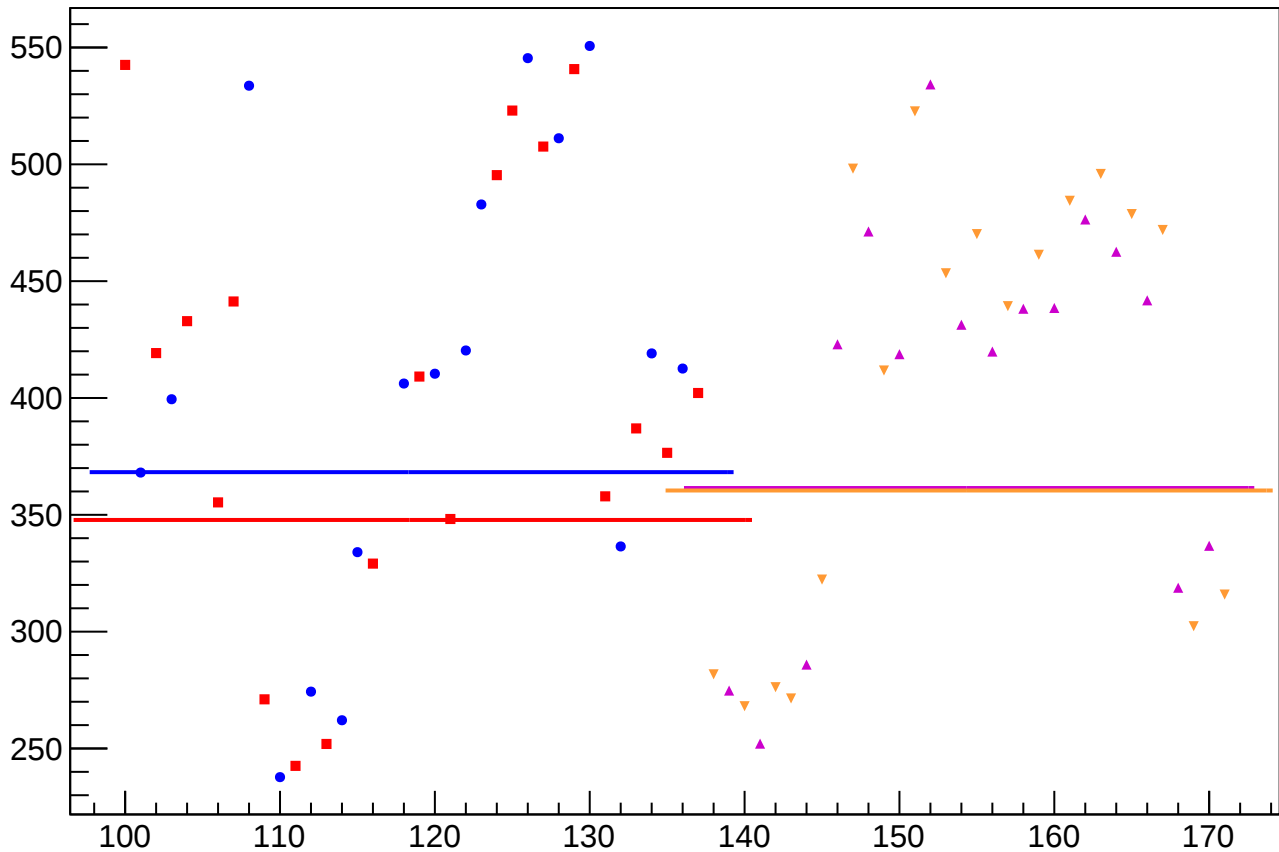
Left In: -305.311 ± 105.797 χ^2/NDF : 264.0/15

+ sign 329.382 ± 83.743 χ^2/NDF : 571.2/34

All: 165.804 ± 59.114 χ^2/NDF : 1006.5/69

- sign 3.335 ± 83.459 χ^2/NDF : 427.8/34

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 360.412+/-0.072 χ^2/NDF : 1572502.3/17

Right Out: 347.802+/-0.096 χ^2/NDF : 821862.5/18

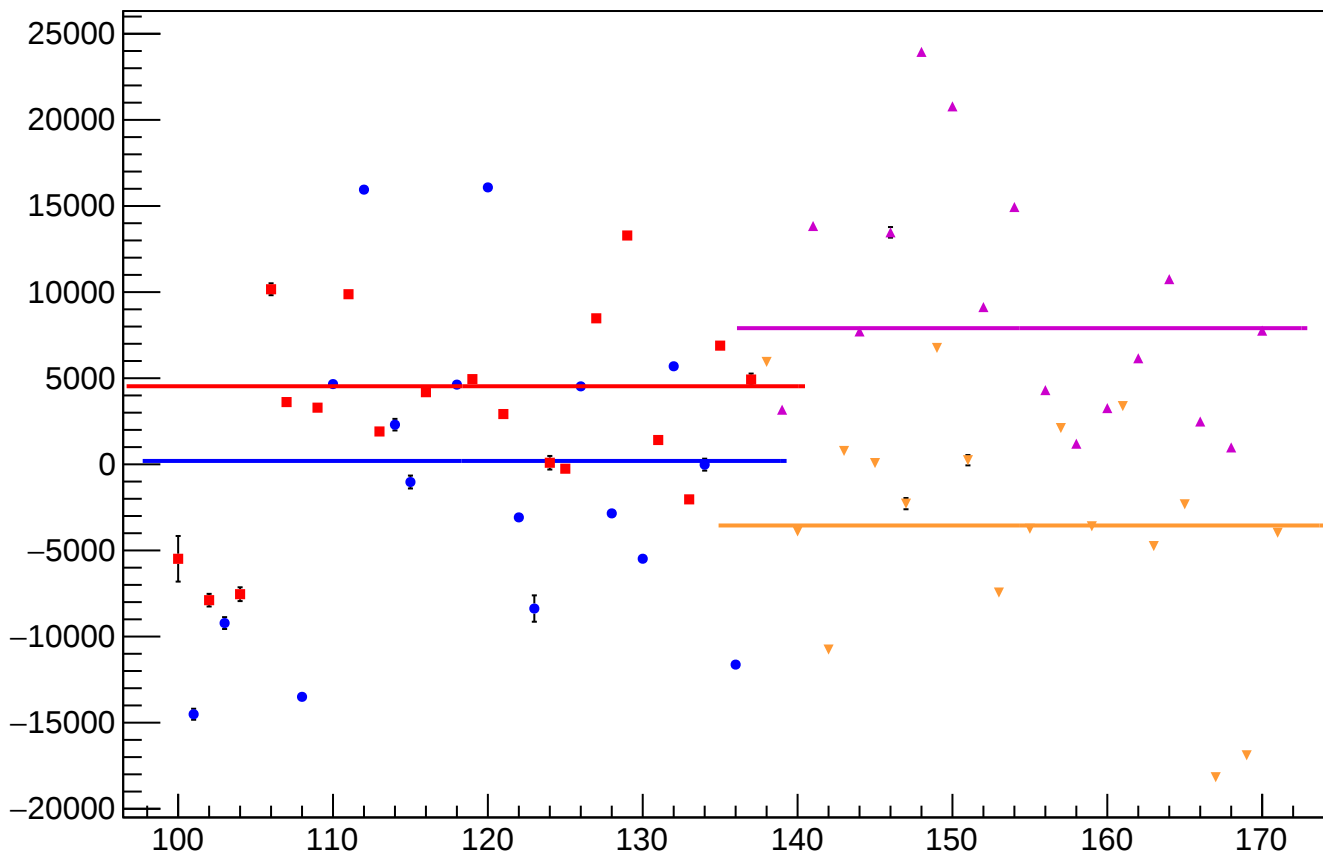
Left In: 361.468+/-0.075 χ^2/NDF : 1272707.1/15

+ sign 362.949+/-0.059 χ^2/NDF : 2346464.1/34

All: 359.617+/-0.042 χ^2/NDF : 4459951.8/69

- sign 356.306+/-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: -3550.364+/-47.085 χ^2/NDF :19806.9/17

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

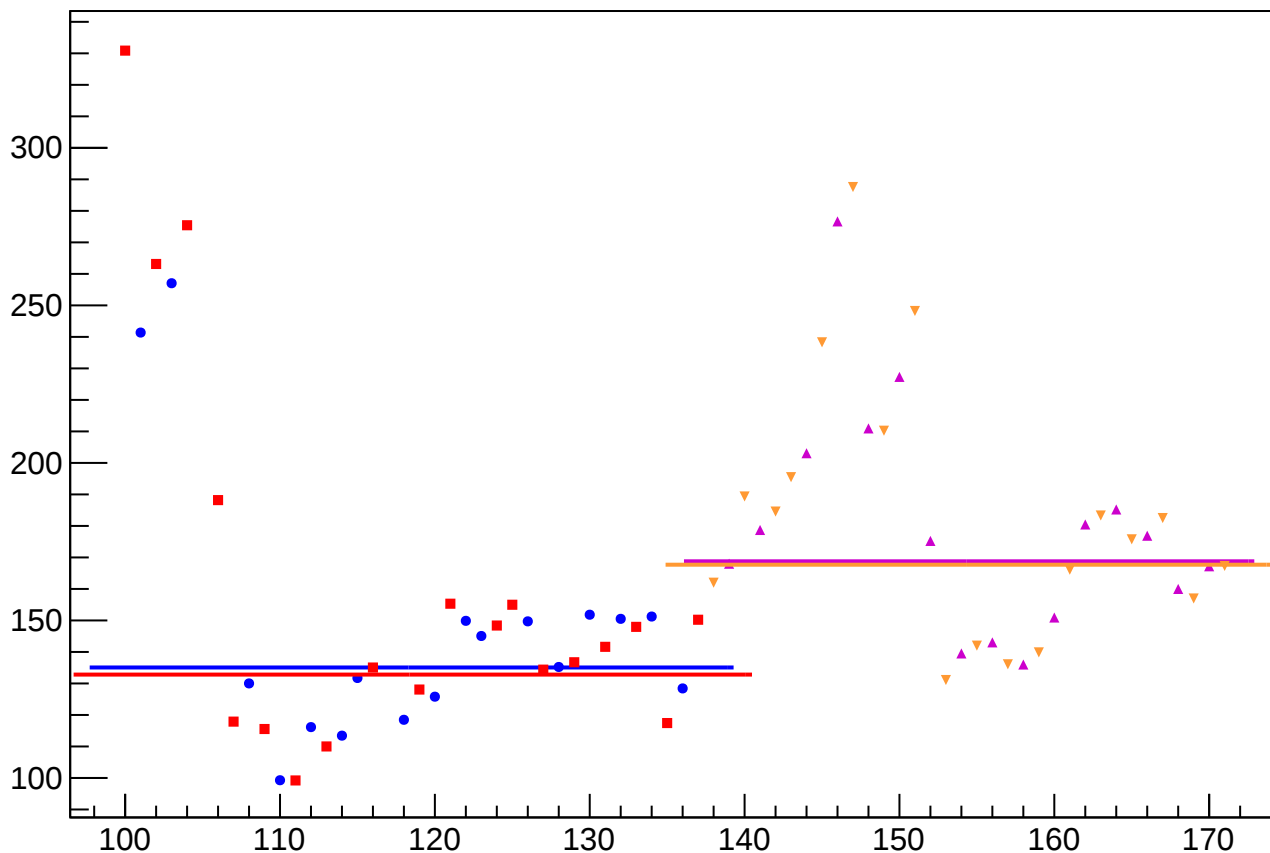
Left In: 7906.804+/-49.419 χ^2/NDF :16463.0/15

+ sign -1958.783+/-35.712 χ^2/NDF : 53155.5/34

All: 2151.196+/-25.344 χ^2/NDF : 105967.9/69

- 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: 167.695+/-0.033 χ^2/NDF : 1020786.2/17

Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

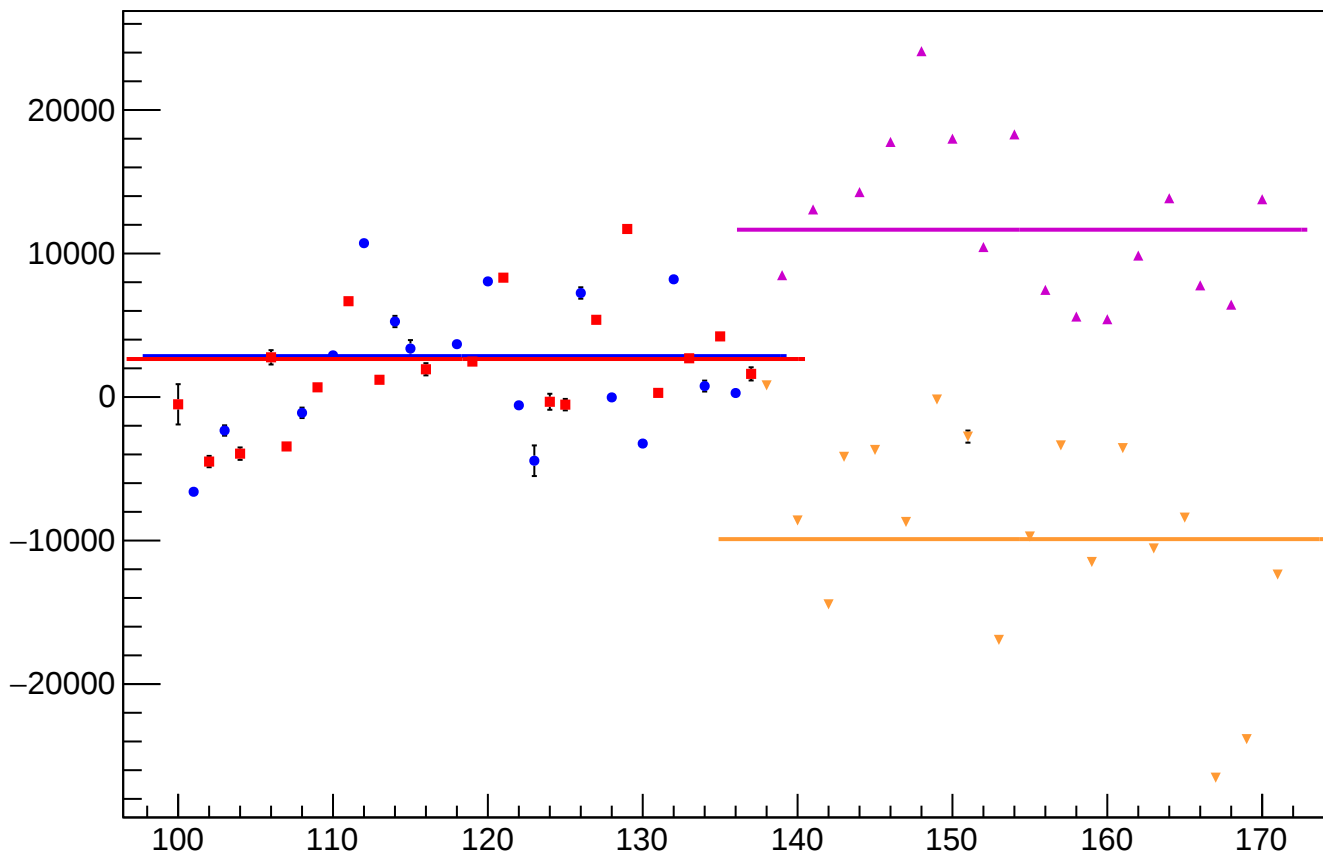
Left In: 168.771+/-0.035 χ^2/NDF : 736859.9/15

+ sign 153.839+/-0.025 χ^2/NDF : 2087262.5/34

All: 152.860+/-0.018 χ^2/NDF : 4156081.3/69

- 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: -990.273+/-53.180 χ^2/NDF :21012.0/17

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

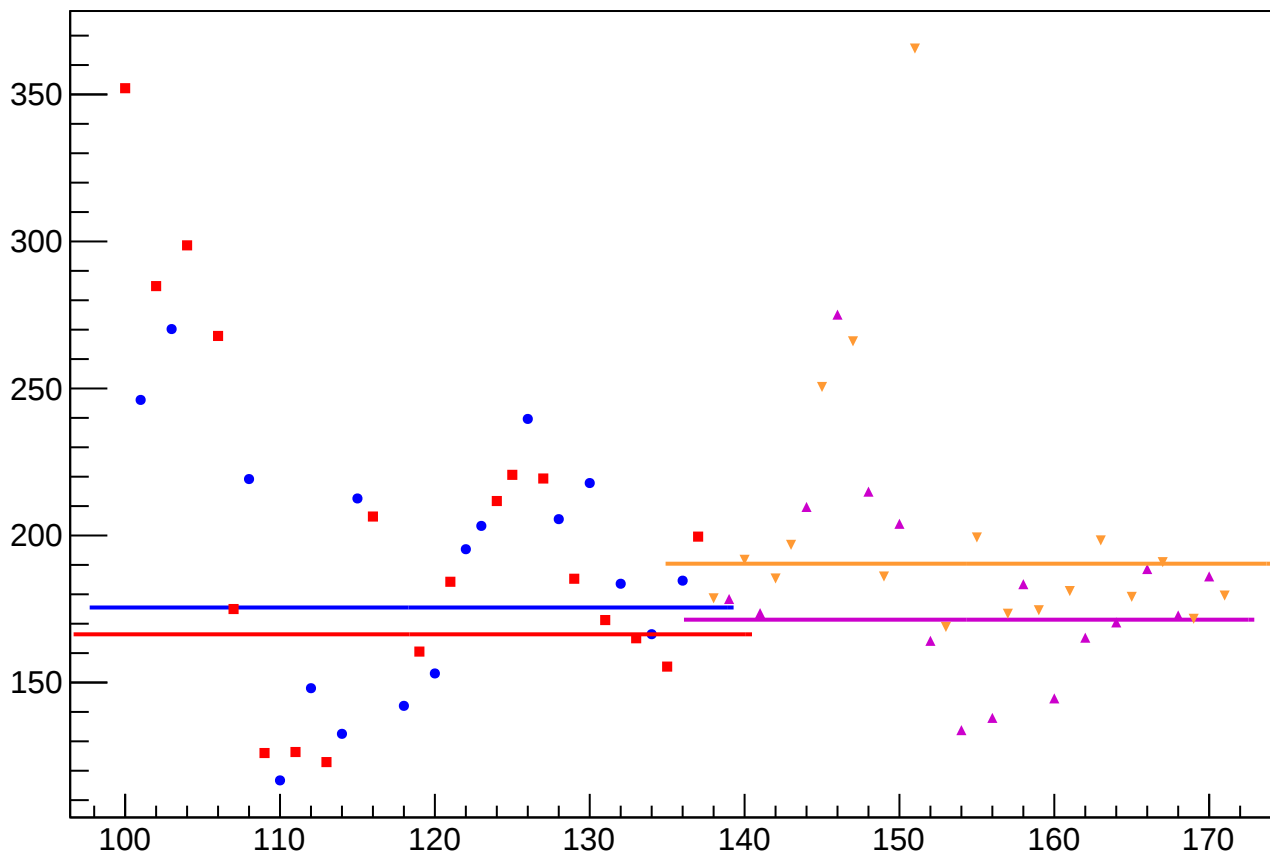
Left In: 11659.292+/-50.229 χ^2/NDF :10588.8/15

+ sign -5296.977+/-42.511 χ^2/NDF : 45946.4/34

All: 1950.069+/-29.097 χ^2/NDF : 126251.2/69

- sign 8337.592+/-39.910 χ^2/NDF : 25627.3/34

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 190.410 $\pm$ 0.038 χ^2 /NDF: 656155.6/17

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

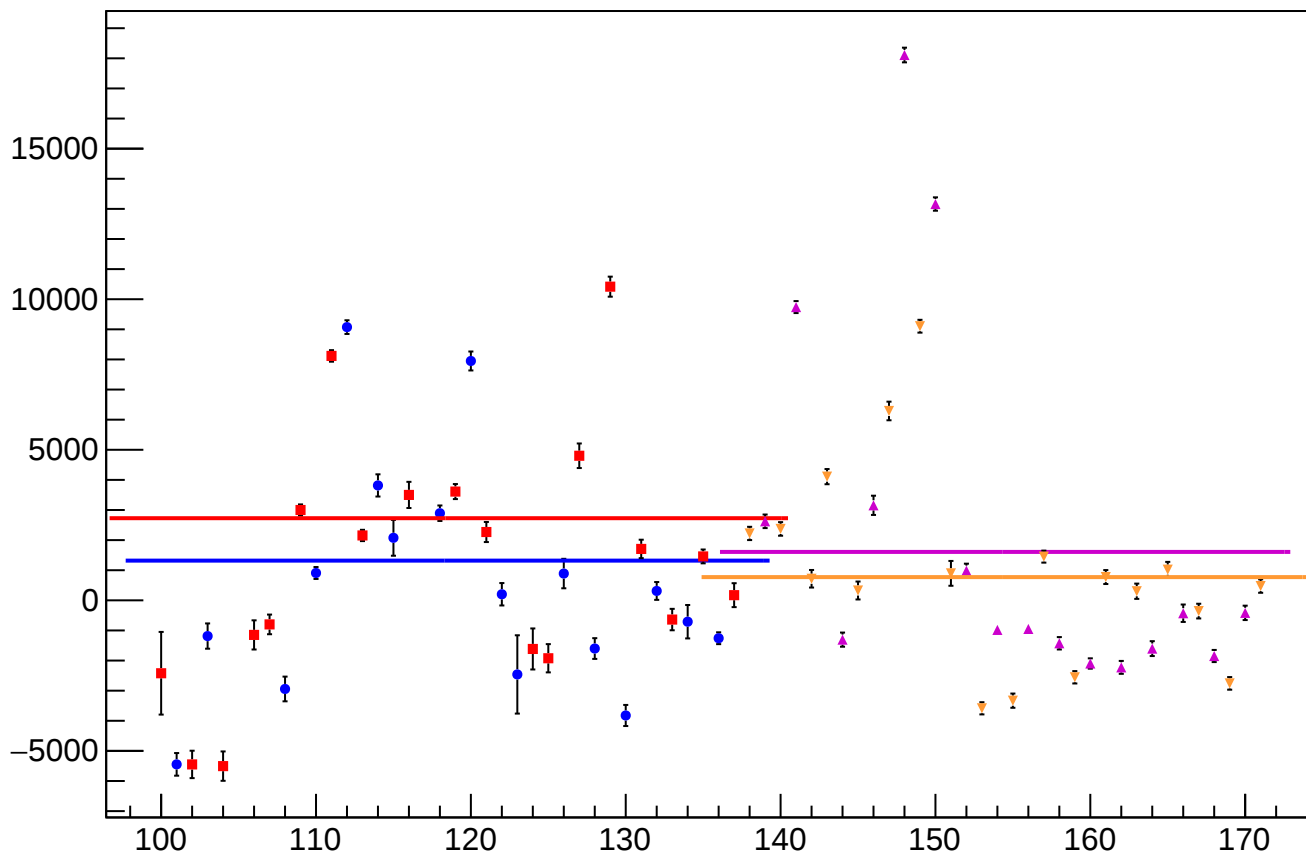
Left In: 171.369 $\pm$ 0.036 χ^2 /NDF: 696910.5/15

+ sign 185.033 $\pm$ 0.030 χ^2 /NDF: 1402443.7/34

All: 176.795 $\pm$ 0.021 χ^2 /NDF: 3177415.4/69

- sign 169.535 $\pm$ 0.028 χ^2 /NDF: 1633682.7/34

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 ± 77.146 χ^2/NDF : 2667.0/16

Left Out: 771.369 ± 56.147 χ^2/NDF : 3467.1/17

Right Out: 2727.798 ± 70.029 χ^2/NDF : 2495.9/18

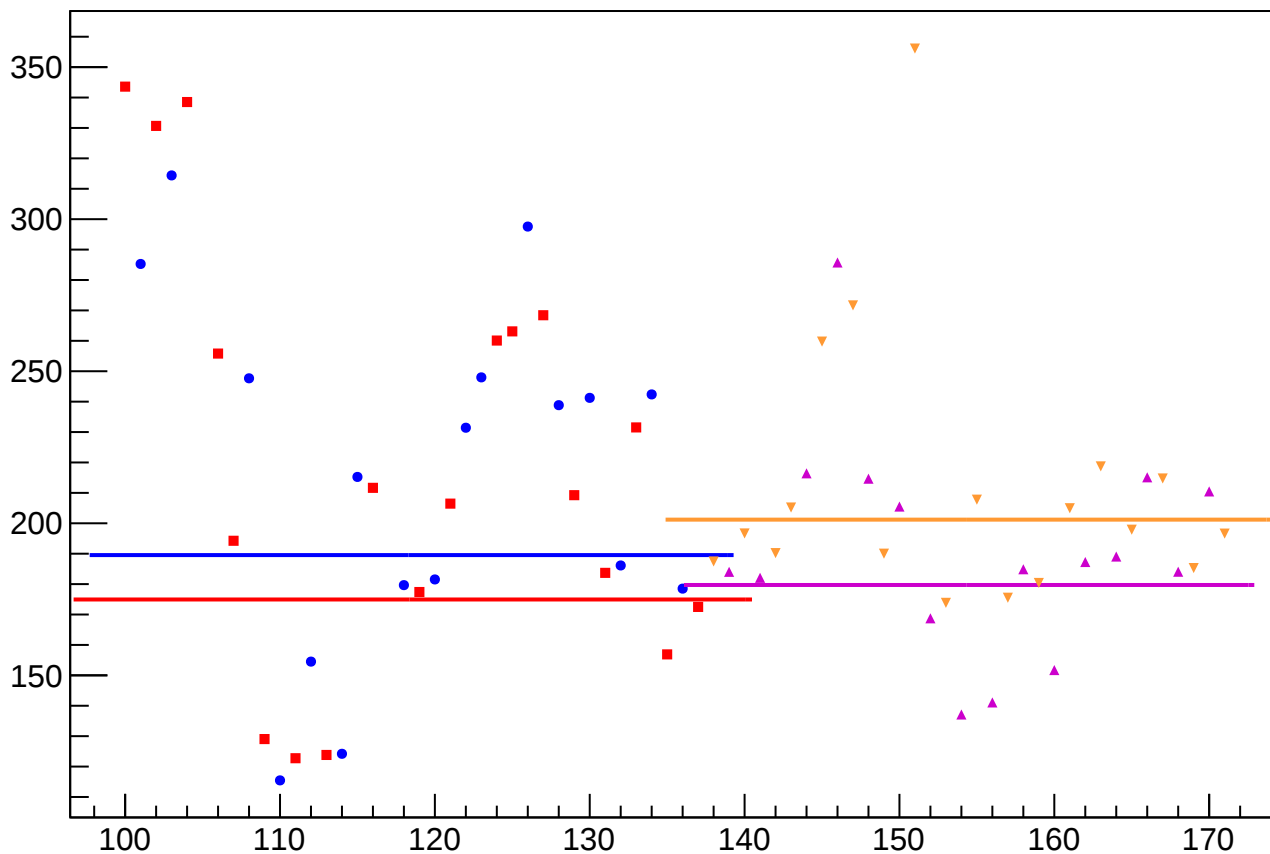
Left In: 1608.050 ± 52.747 χ^2/NDF : 11286.8/15

+ sign 961.006 ± 45.397 χ^2/NDF : 6167.0/34

All: 1526.378 ± 30.882 χ^2/NDF : 20401.6/69

- sign 2013.368 ± 42.133 χ^2/NDF : 13945.9/34

asym_bpm0i05WS_rms vs Slug



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 201.202+/-0.040 χ^2/NDF : 601848.4/17

Right Out: 174.944+/-0.050 χ^2/NDF : 1297106.6/18

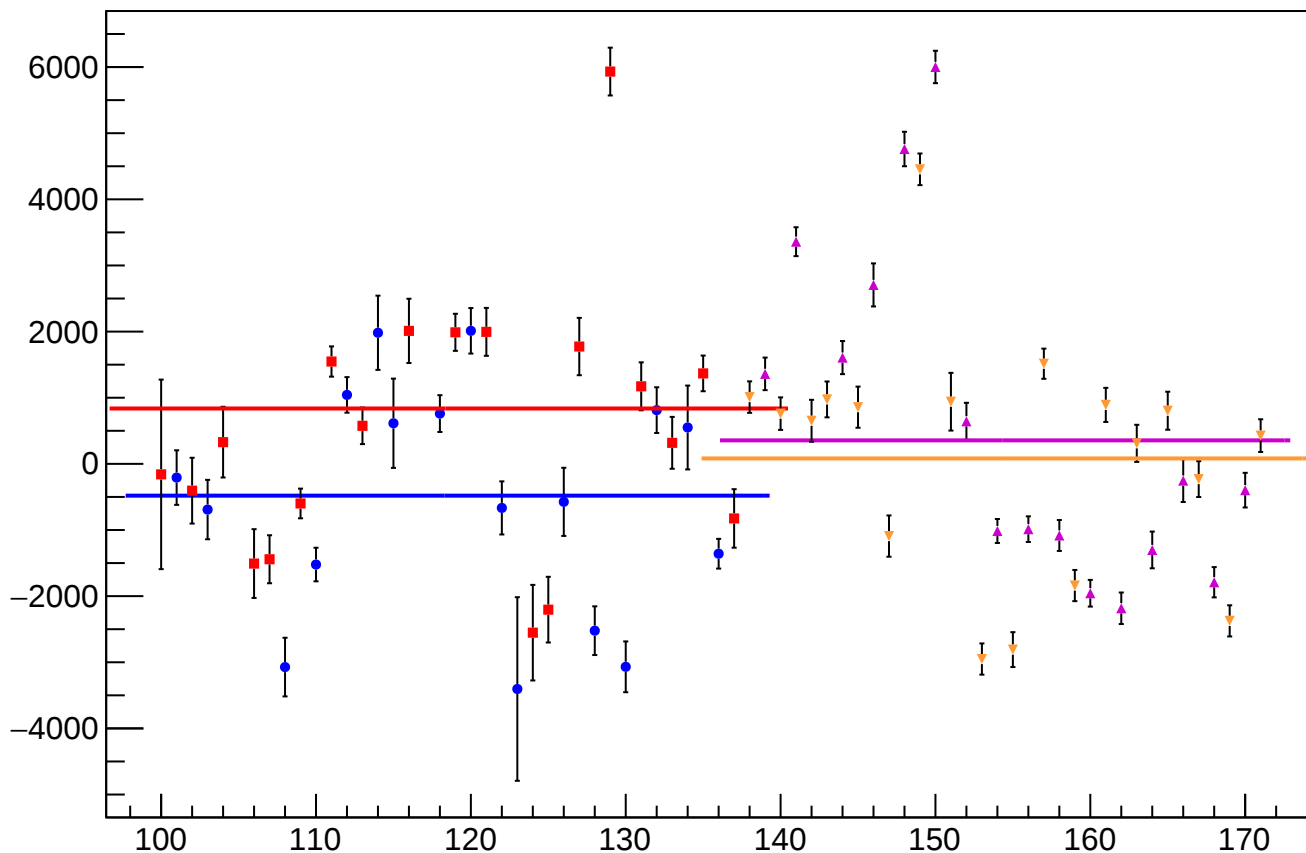
Left In: 179.714+/-0.037 χ^2/NDF : 737321.8/15

+ sign 197.165+/-0.032 χ^2/NDF : 1612445.8/34

All: 186.862+/-0.022 χ^2/NDF : 3844552.6/69

- sign 177.987+/-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: 82.318 ± 62.201 χ^2/NDF : 914.7/17

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

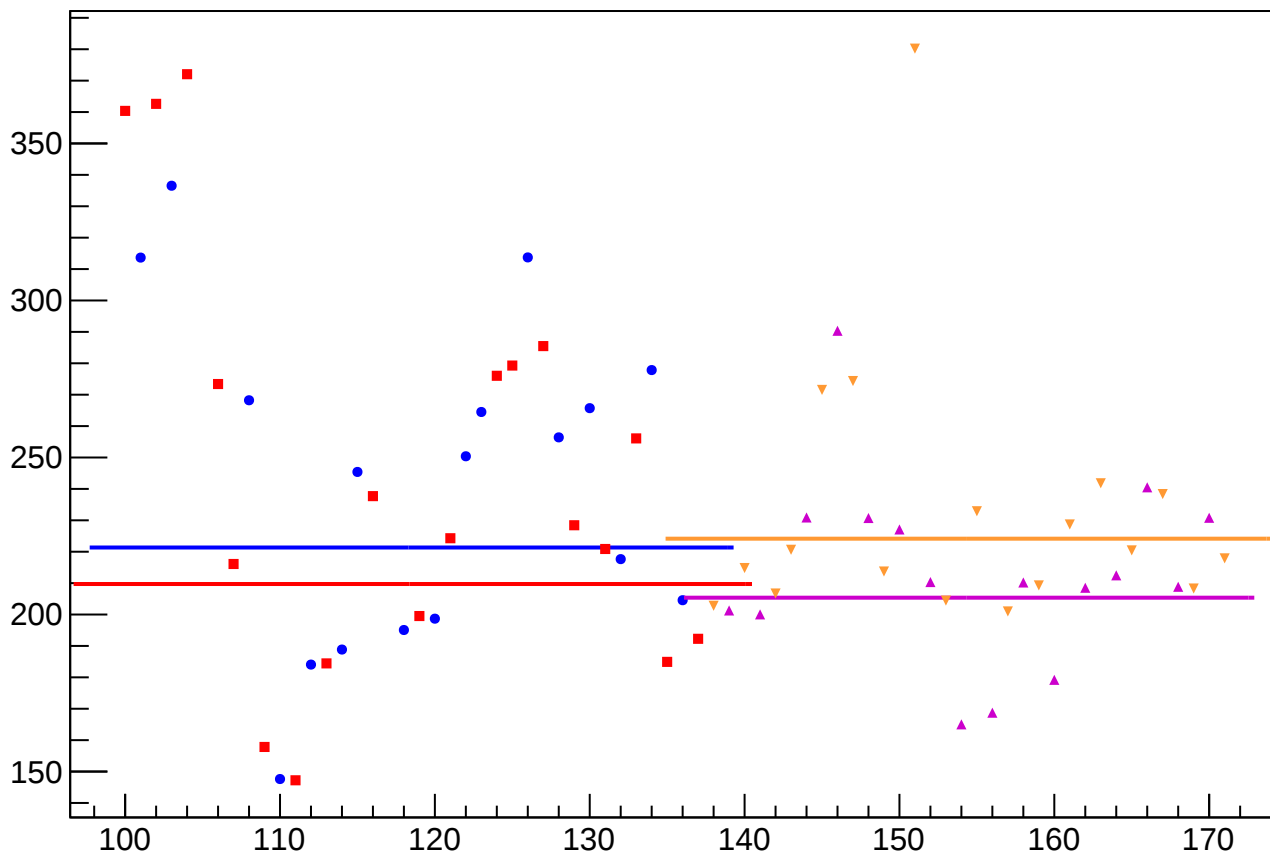
Left In: 355.426 ± 59.689 χ^2/NDF : 1623.9/15

+ sign -103.407 ± 50.916 χ^2/NDF : 1232.5/34

All: 225.581 ± 35.044 χ^2/NDF : 3393.5/69

- 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: 224.152 $\pm$ 0.044 χ^2 /NDF: 452663.1/17

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

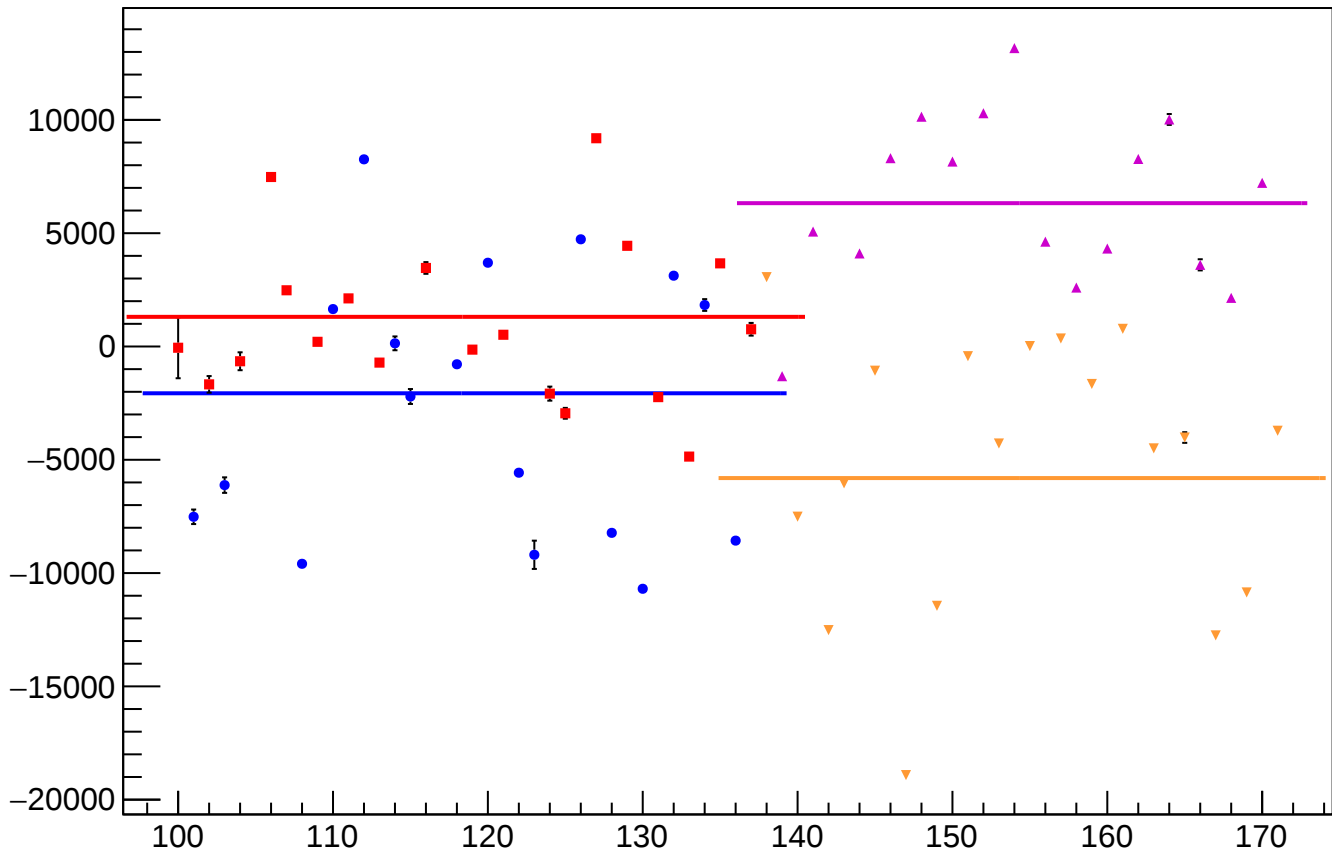
Left In: 205.363 $\pm$ 0.042 χ^2 /NDF: 443560.5/15

+ sign 223.225 $\pm$ 0.036 χ^2 /NDF: 1099698.1/34

All: 214.615 $\pm$ 0.025 χ^2 /NDF: 2539516.5/69

- 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: -5807.080 $\pm$ 36.075 χ^2 /NDF:30142.5/17

Right Out: 1308.512 $\pm$ 45.001 χ^2 /NDF: 5894.4/18

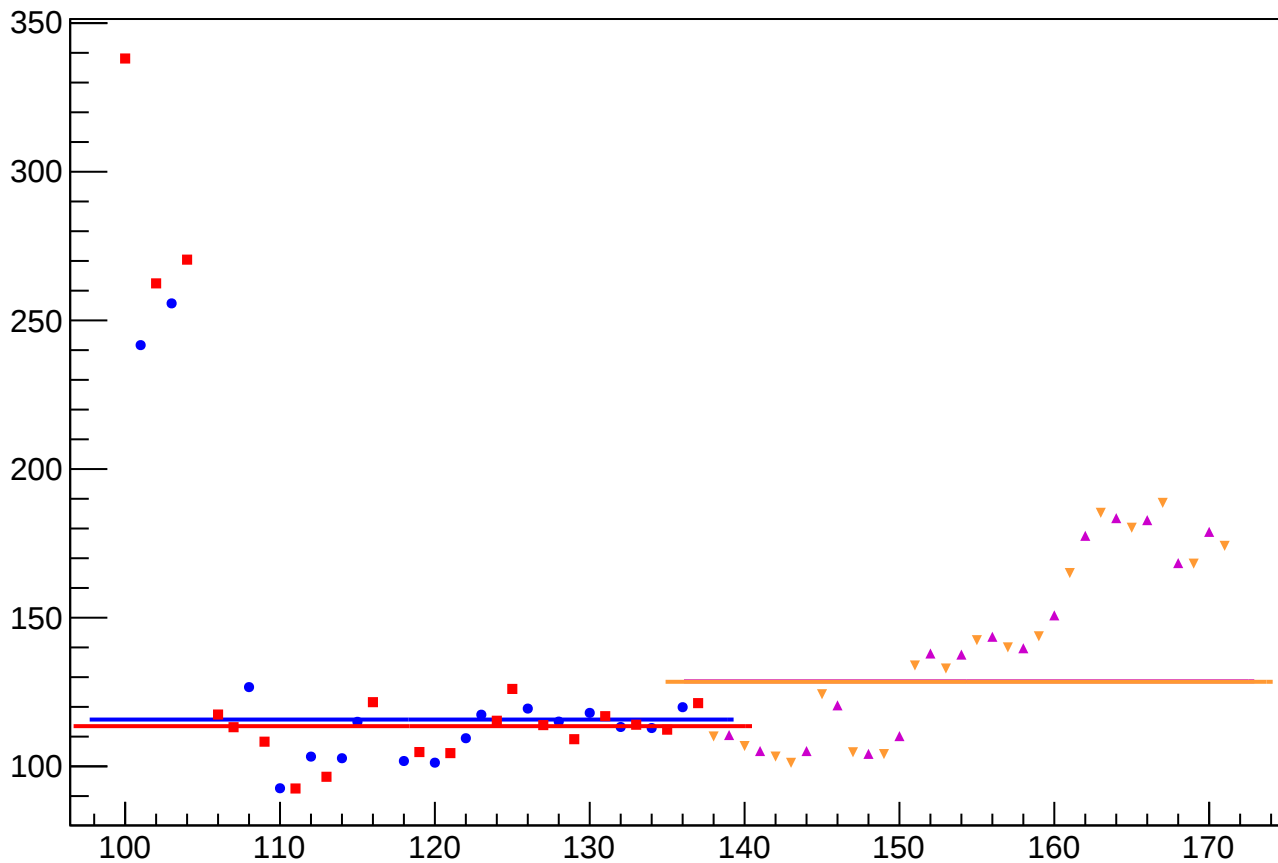
Left In: 6325.366 $\pm$ 37.434 χ^2 /NDF:9649.1/15

+ sign -4431.752 $\pm$ 28.689 χ^2 /NDF: 50630.3/34

All: -92.609 $\pm$ 20.318 χ^2 /NDF: 119412.8/69

- sign 4273.602 $\pm$ 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: 128.441+/-0.026 χ^2/NDF : 1125852.0/17

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

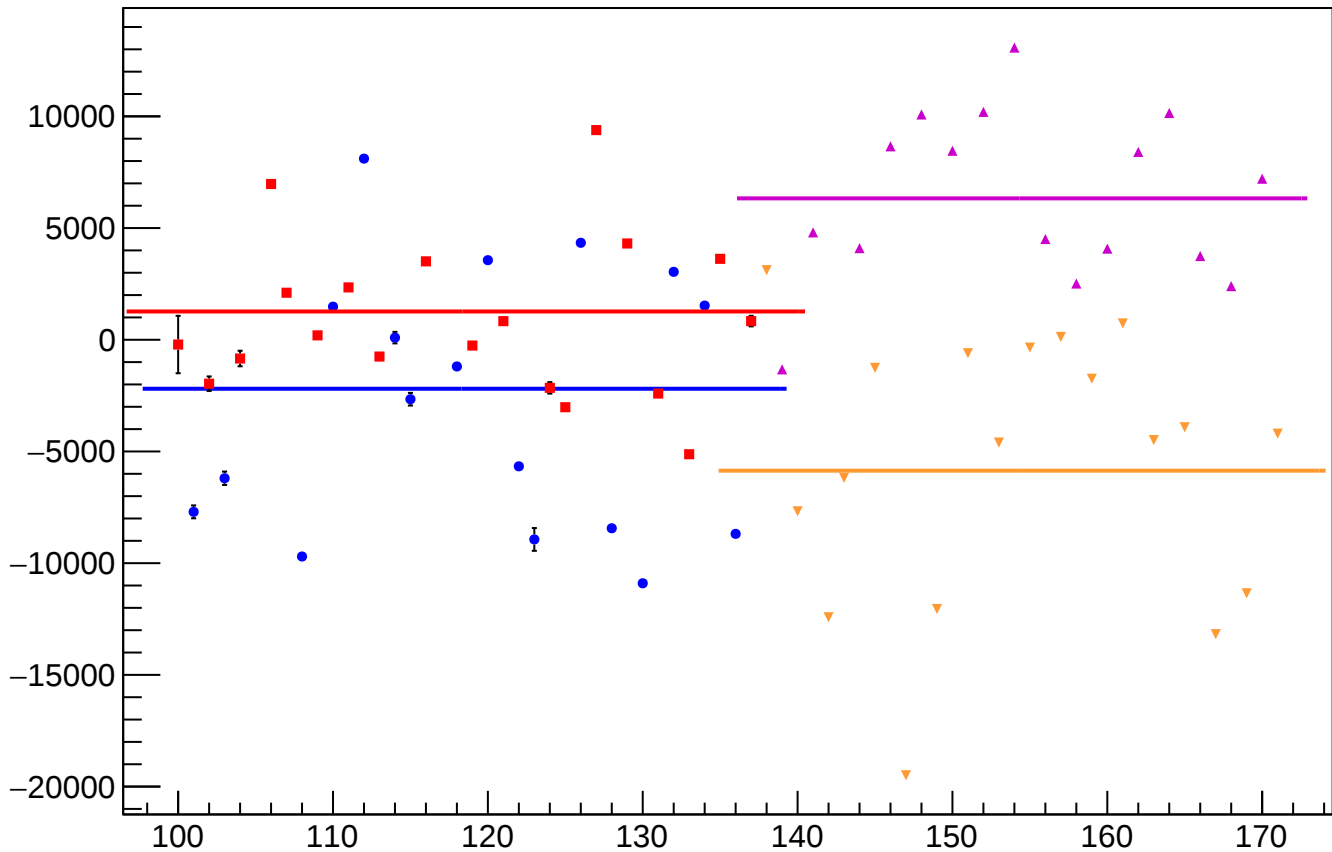
Left In: 128.604+/-0.026 χ^2/NDF : 950273.2/15

+ sign 123.773+/-0.020 χ^2/NDF : 1960974.7/34

All: 123.106+/-0.014 χ^2/NDF : 3842888.9/69

- sign 122.435+/-0.020 χ^2/NDF : 1879746.6/34

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 χ^2/NDF : 22813.5/16

Left Out: -5858.597 ± 32.636 χ^2/NDF : 36919.3/17

Right Out: 1266.189 ± 38.048 χ^2/NDF : 8550.5/18

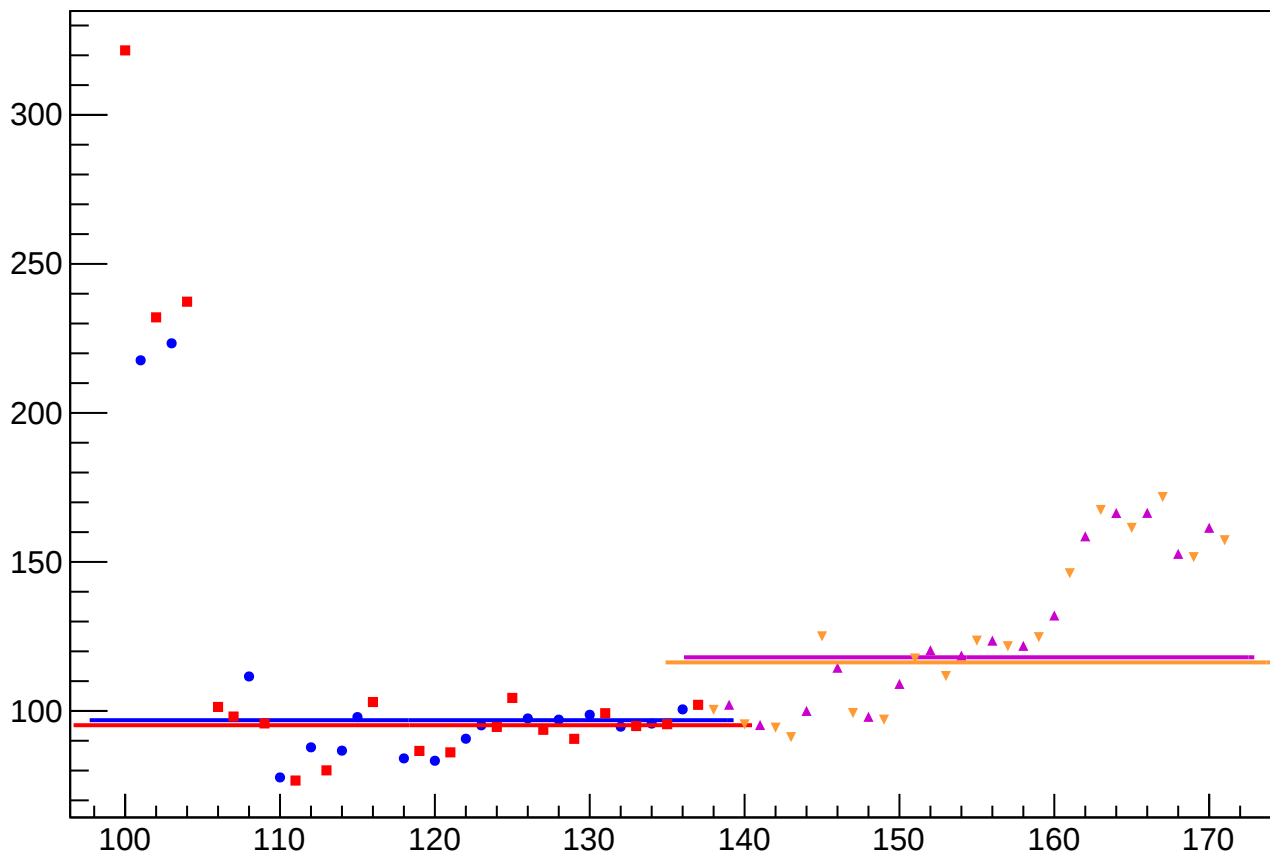
Left In: 6328.793 ± 34.253 χ^2/NDF : 11942.4/15

+ sign -4390.898 ± 25.273 χ^2/NDF : 64784.9/34

All: -194.777 ± 17.935 χ^2/NDF : 150591.8/69

- sign 4062.534 ± 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: 116.289+/-0.023 χ^2/NDF : 1028358.8/17

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

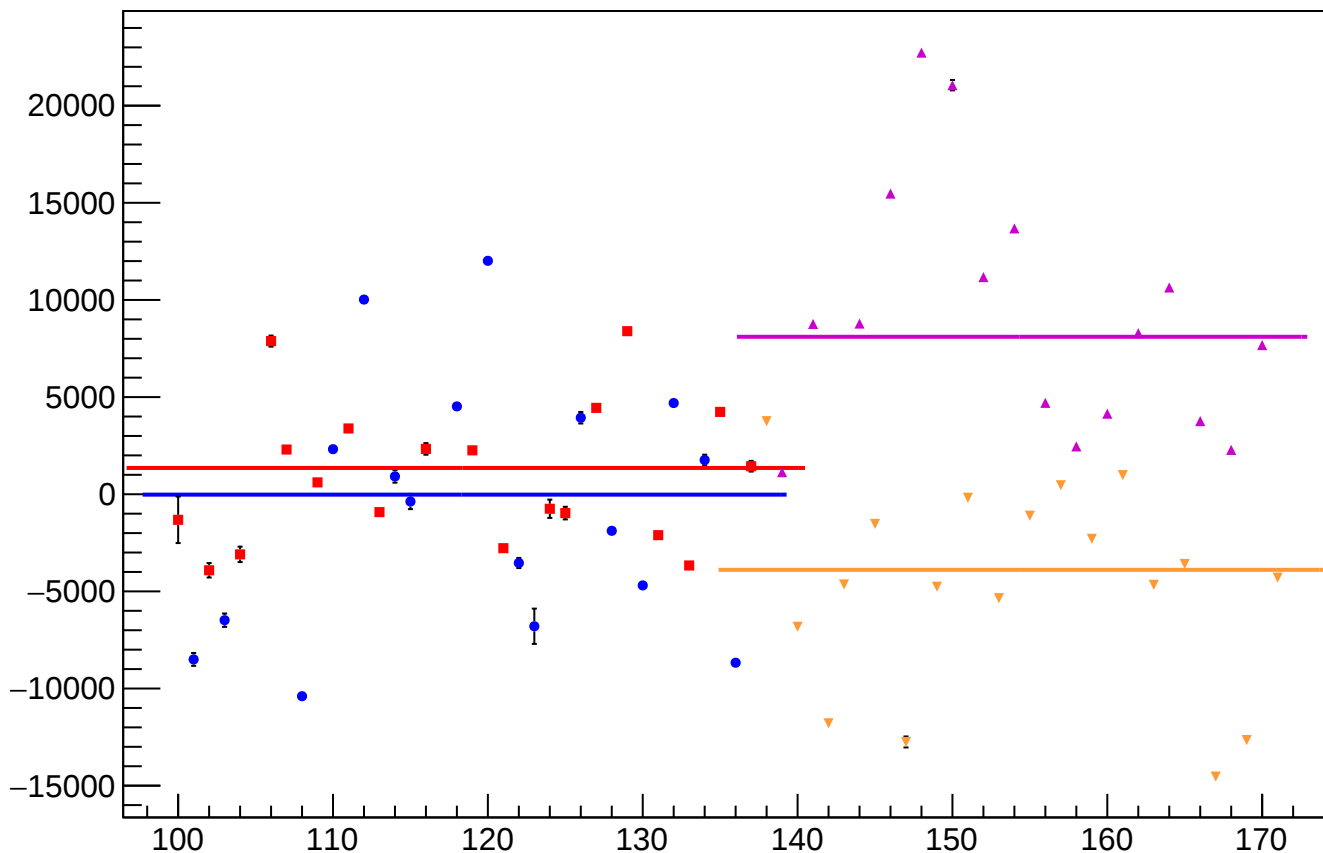
Left In: 118.006+/-0.024 χ^2/NDF : 770407.2/15

+ sign 108.525+/-0.018 χ^2/NDF : 2128359.9/34

All: 108.166+/-0.013 χ^2/NDF : 4155804.0/69

- 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: -3889.892 ± 44.598 χ^2/NDF : 11660.6/17

Right Out: 1353.461 ± 52.367 χ^2/NDF : 3837.2/18

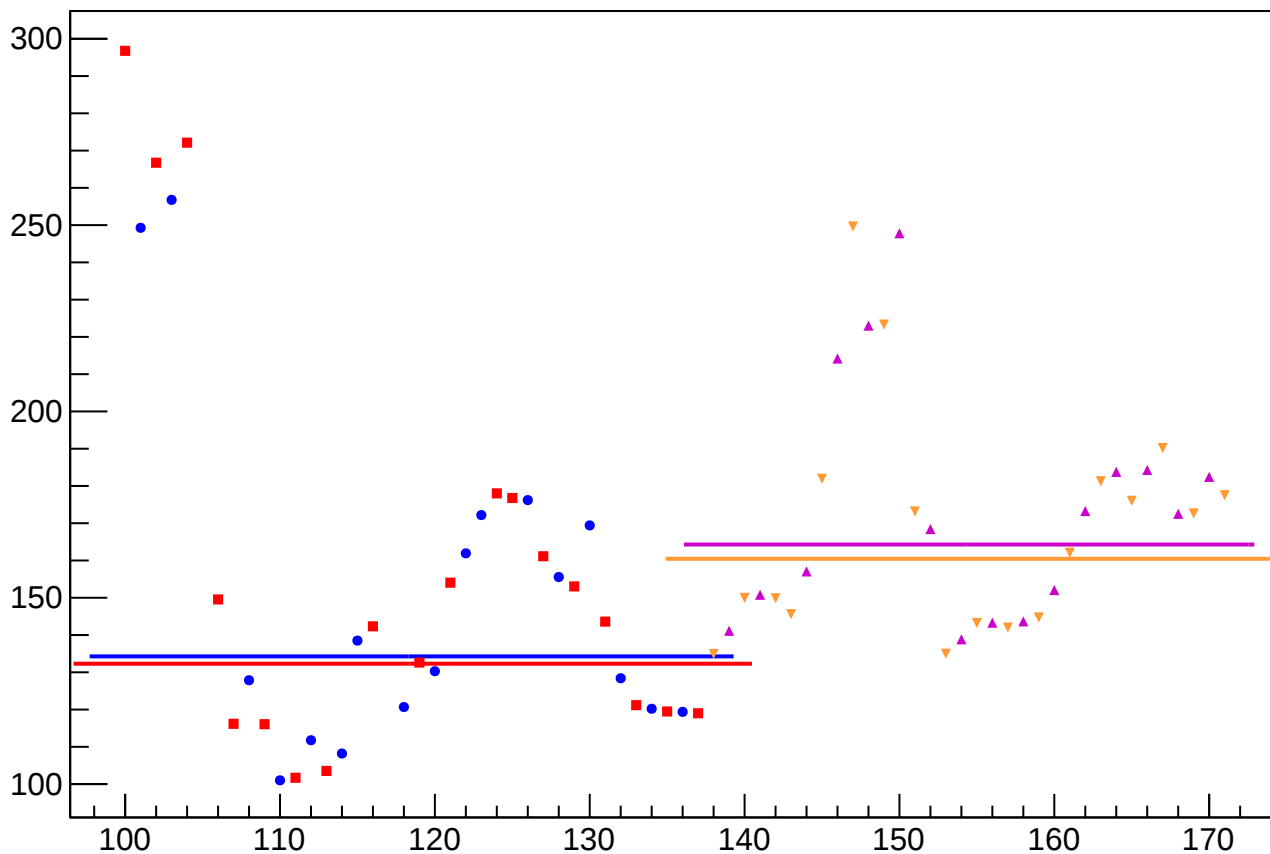
Left In: 8104.825 ± 47.548 χ^2/NDF : 13434.0/15

+ sign -2342.673 ± 34.551 χ^2/NDF : 31032.0/34

All: 1286.668 ± 24.658 χ^2/NDF : 79900.9/69

- 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: 160.459 $\pm$ 0.032 χ^2 /NDF: 645069.0/17

Right Out: 132.302 $\pm$ 0.037 χ^2 /NDF: 869892.7/18

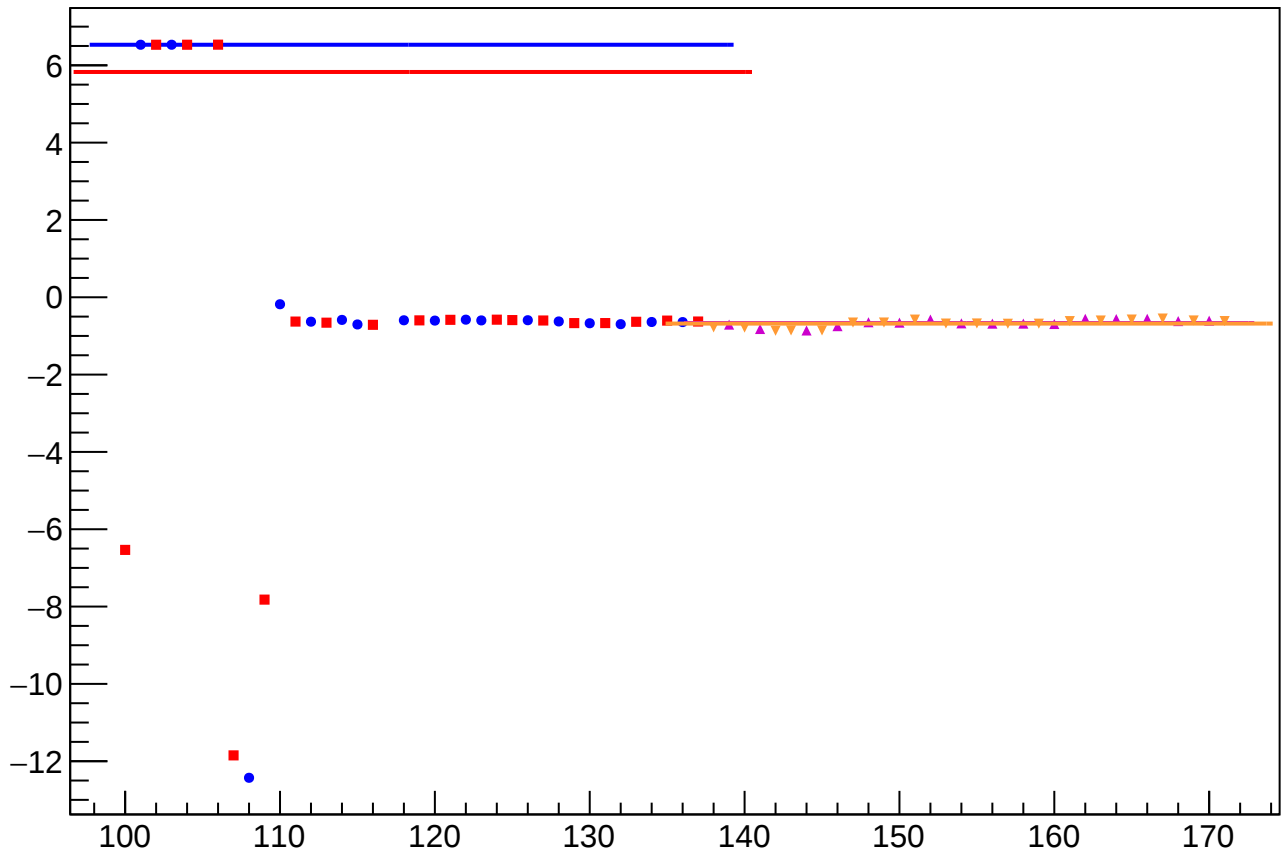
Left In: 164.290 $\pm$ 0.034 χ^2 /NDF: 625546.3/15

+ sign 149.988 $\pm$ 0.024 χ^2 /NDF: 1709503.4/34

All: 149.913 $\pm$ 0.017 χ^2 /NDF: 3614010.3/69

- sign 149.836 $\pm$ 0.025 χ^2 /NDF: 1904487.8/34

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.680 $\pm$ 0.000 χ^2/NDF : 127326523.5/17

Right Out: 5.827 $\pm$ 0.000 χ^2/NDF : 755948646460090.5/18

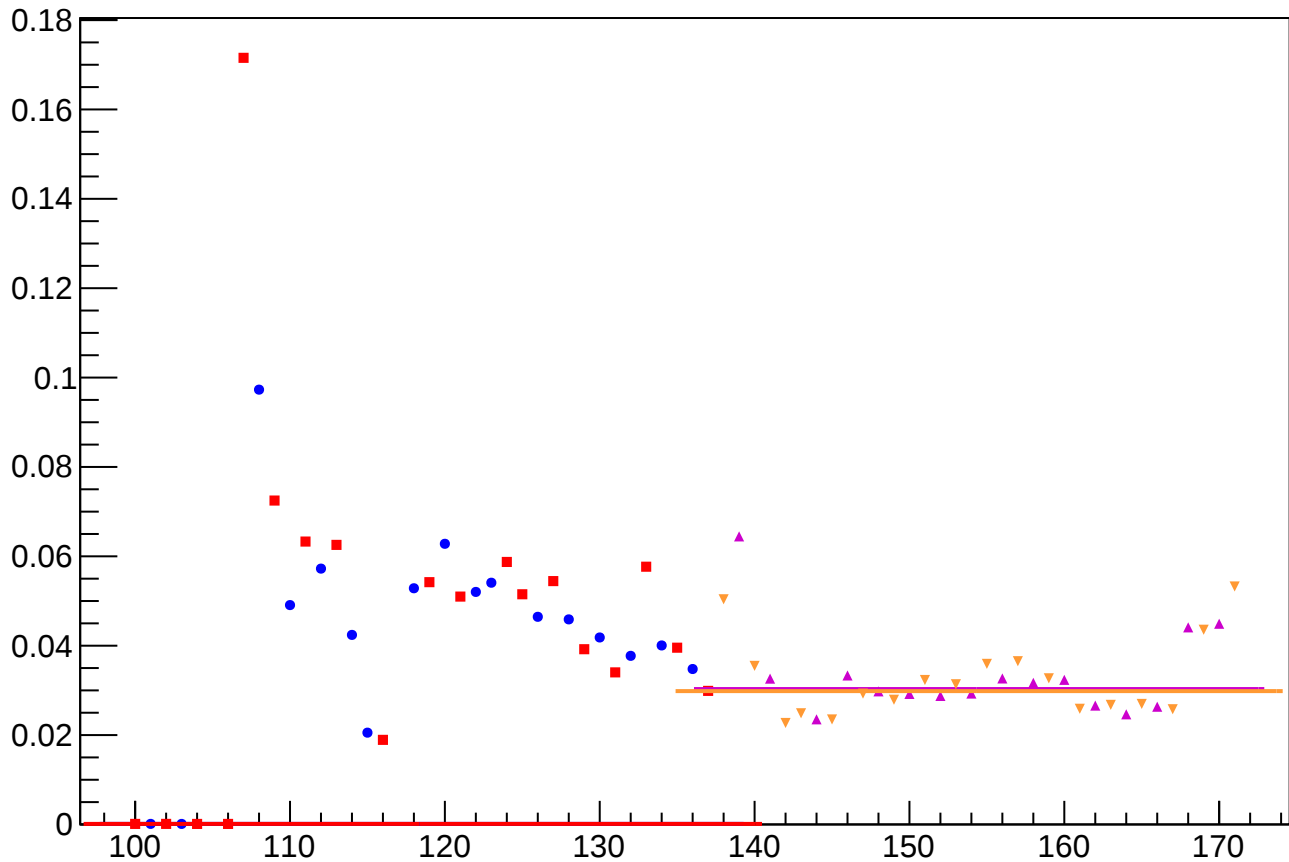
Left In: -0.667 $\pm$ 0.000 χ^2/NDF : 96436711.4/15

+ sign 6.530 $\pm$ 0.000 χ^2/NDF : 742627251428.6/34

All: 6.154 $\pm$ 0.000 χ^2/NDF : 77713135893017

- sign 5.827 $\pm$ 0.000 χ^2/NDF : 756401249547575.9/34

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.030+/-0.000 χ^2/NDF : 1003956.7/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

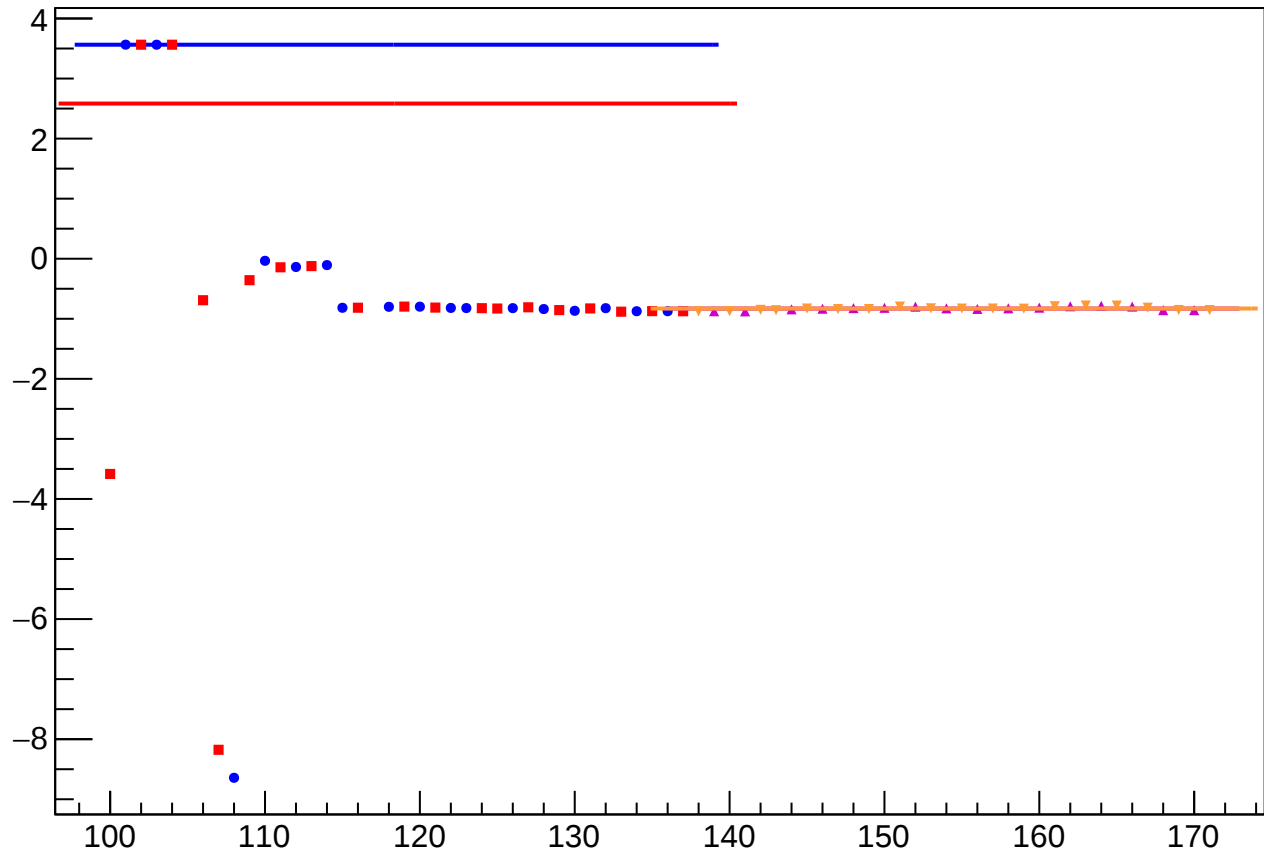
Left In: 0.030+/-0.000 χ^2/NDF : 883106.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 30898182.1/34

All: 0.000+/-0.000 χ^2/NDF : 60695653.8/69

- 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: -0.829+/-0.000 χ^2/NDF : 138307637.8/17

Right Out: 2.583+/-0.000 χ^2/NDF : 1253505323583154.2/18

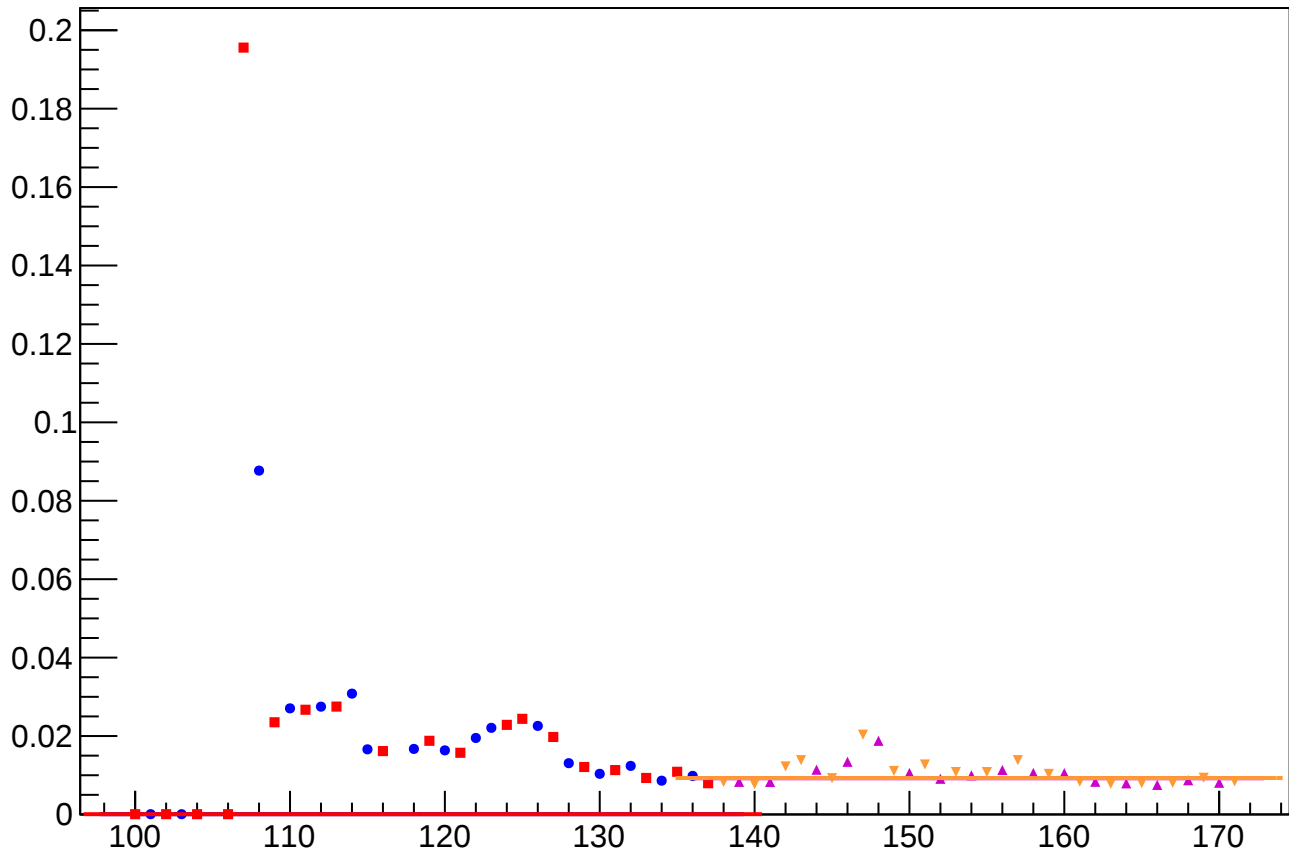
Left In: -0.830+/-0.000 χ^2/NDF : 116594977.6/15

+ sign 3.561+/-0.000 χ^2/NDF : 2903487494472.4/34

All: 3.039+/-0.000 χ^2/NDF : 13859034404607

- 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 :1076185.8/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

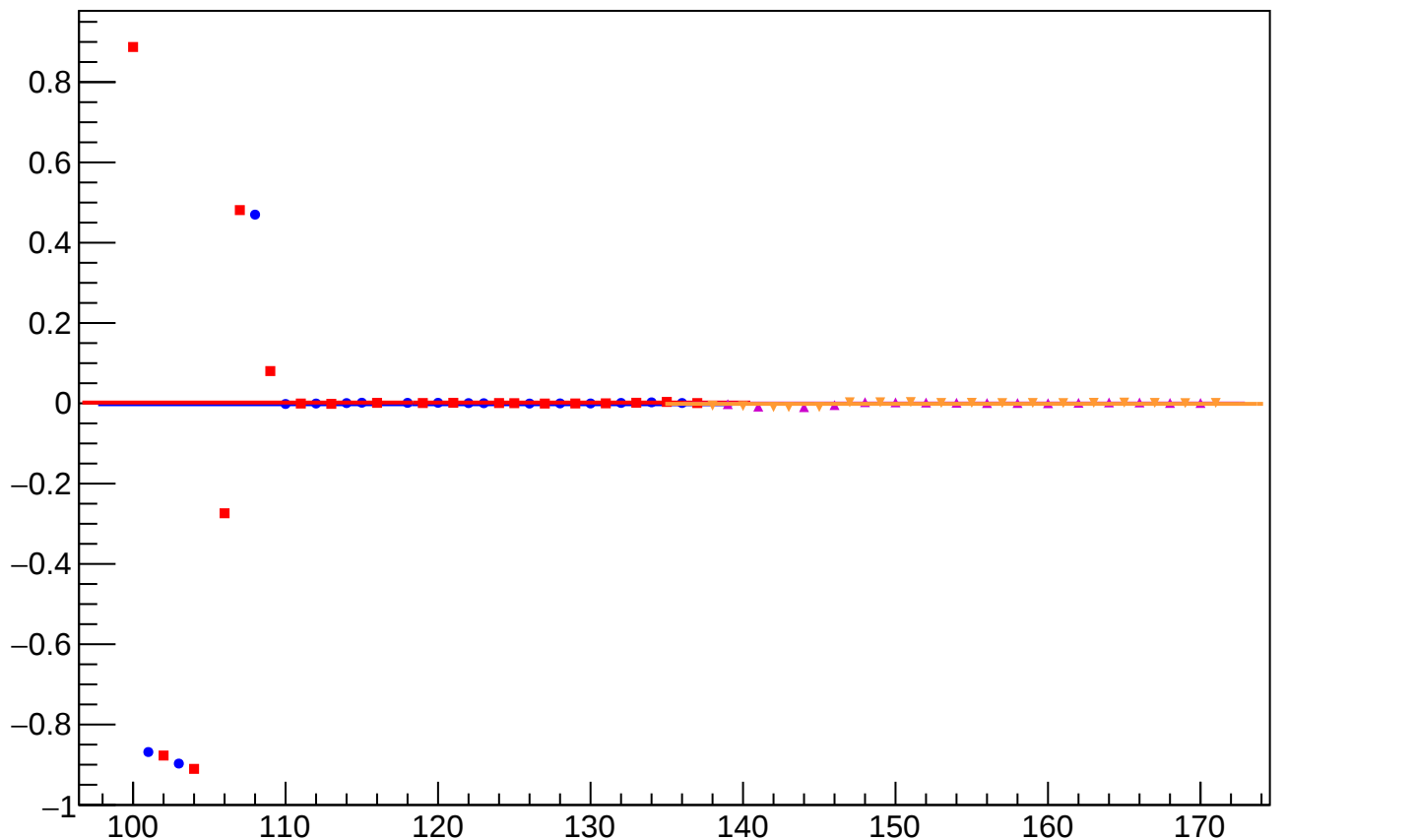
Left In: 0.009+/-0.000 χ^2/NDF :790680.6/15

+ sign 0.000+/-0.000 χ^2/NDF : 32207173.9/34

All: 0.000+/-0.000 χ^2/NDF : 62671363.3/69

- 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: -0.001+/-0.000 χ^2/NDF : 94613291.9/17

Right Out: 0.002+/-0.000 χ^2/NDF : 3041331104.7/18

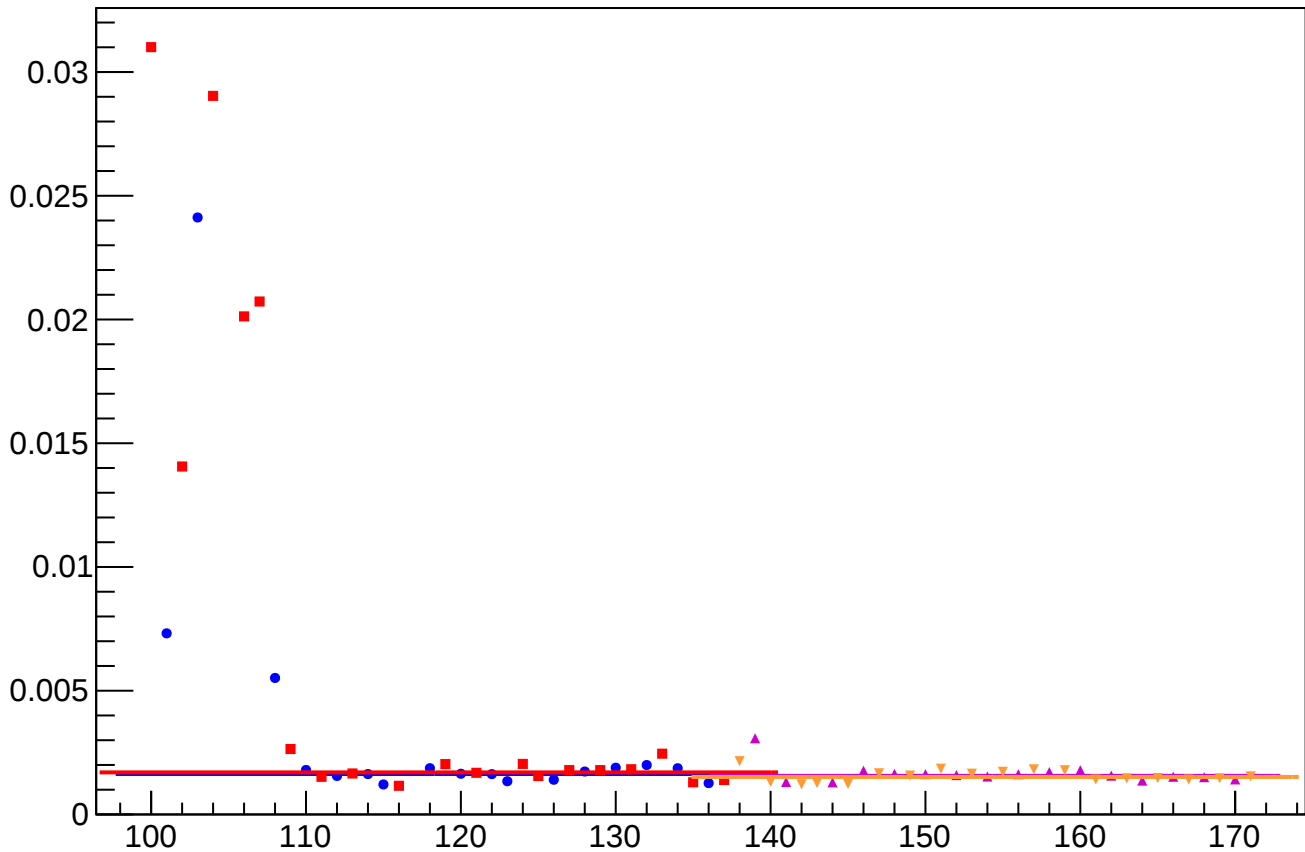
Left In: -0.001+/-0.000 χ^2/NDF : 67344567.4/15

+ sign -0.002+/-0.000 χ^2/NDF : 9891039934.2/34

All: -0.001+/-0.000 χ^2/NDF : 13015066598.3/34

- 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:430229.1/17

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

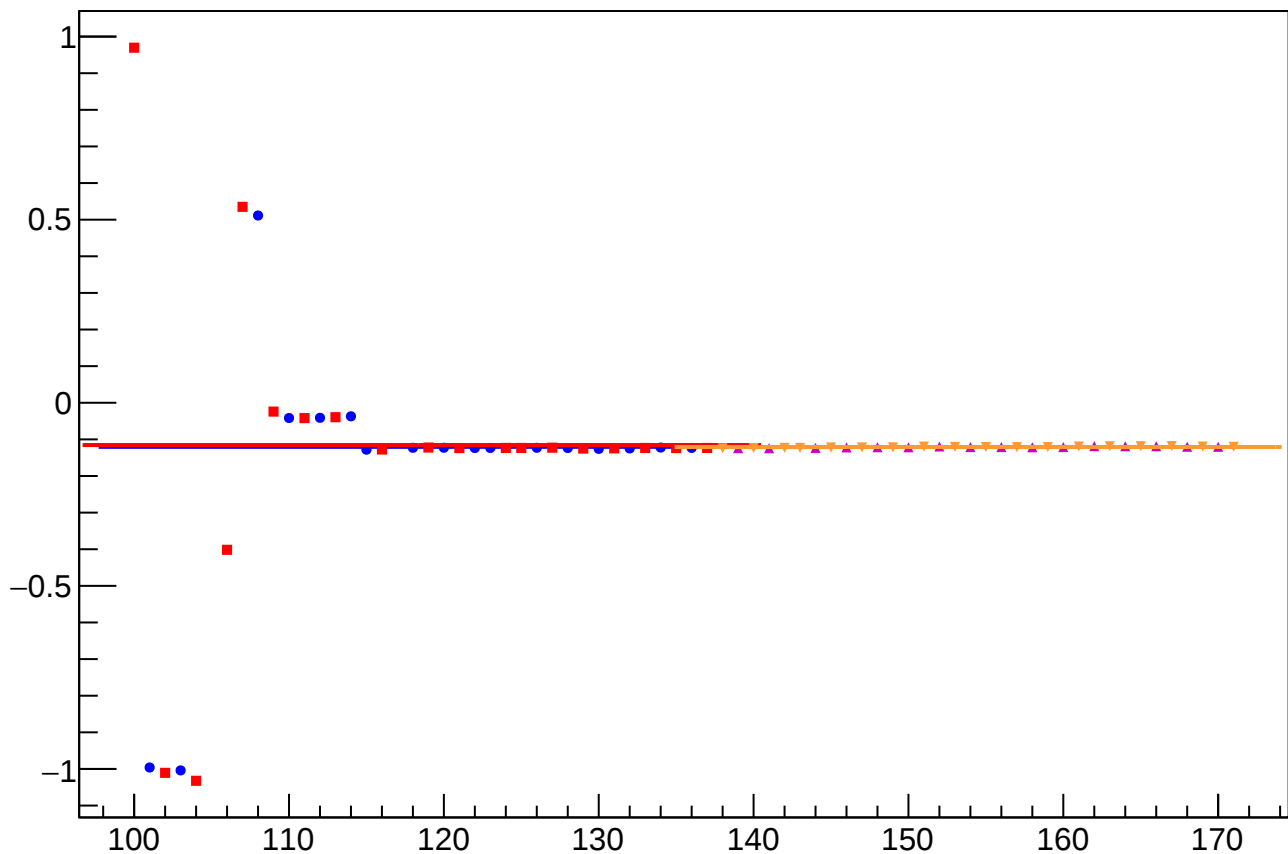
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:515618.8/15

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2385740.6/34

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5986163.7/69

- 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 : 32074511.8/17

+ sign -0.121+/-0.000 χ^2/NDF : 3964754995.0/34

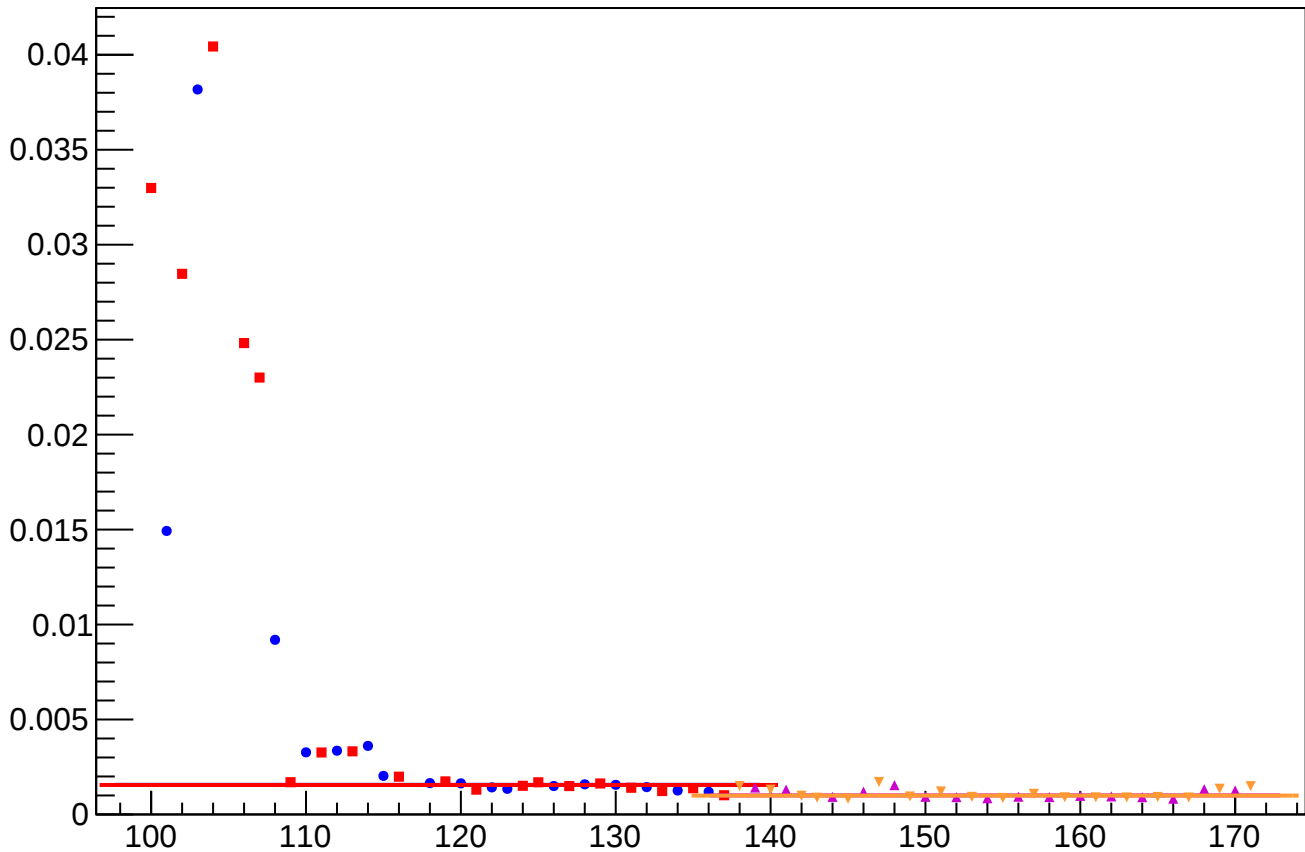
Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

All: -0.120+/-0.000 χ^2/NDF : 6500657016.0/6

- 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:1012513.6/17

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3538622.3/18

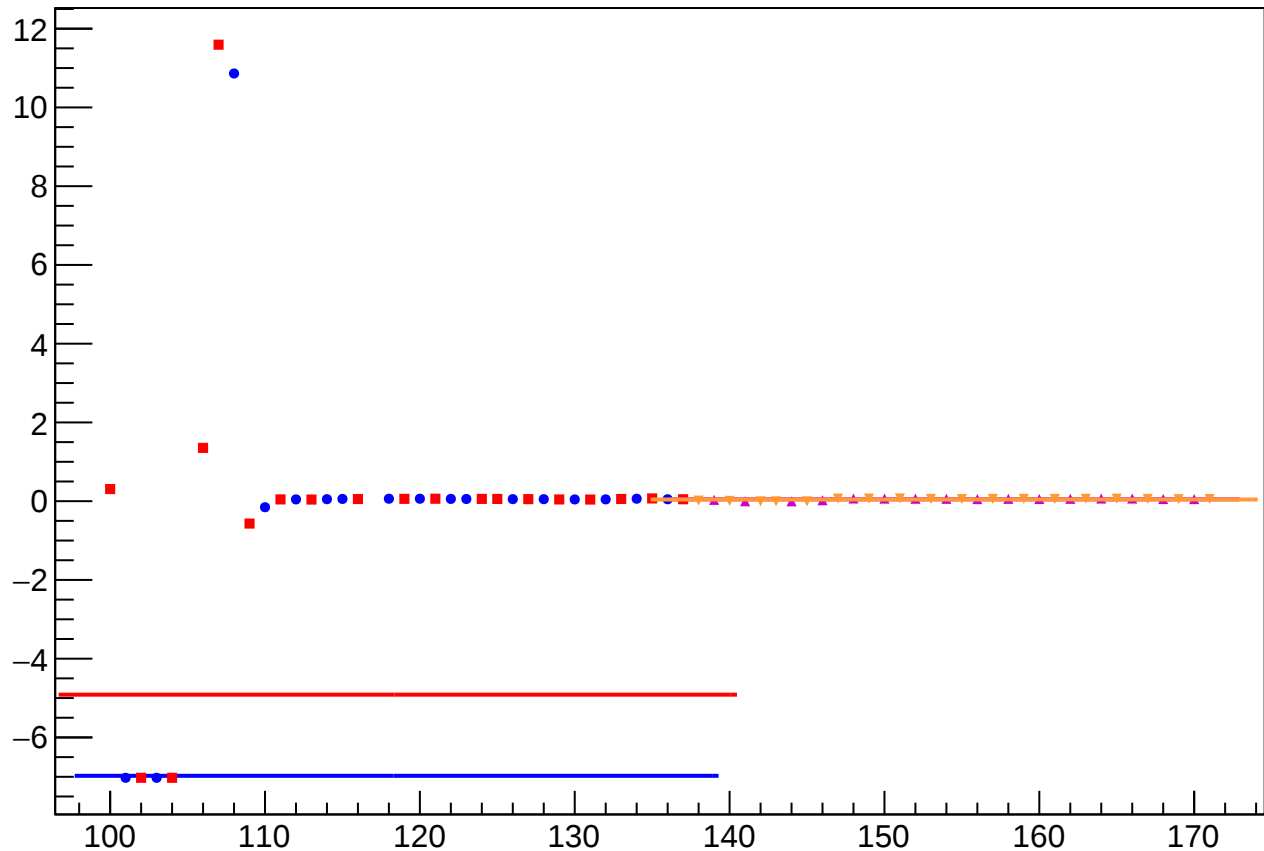
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:733544.8/15

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4964748.9/34

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10221743.8/69

- 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: 0.043+/-0.000 χ^2 /NDF:95571541.5/17

Right Out: -4.914+/-0.000 χ^2 /NDF: 365362215369689.4/18

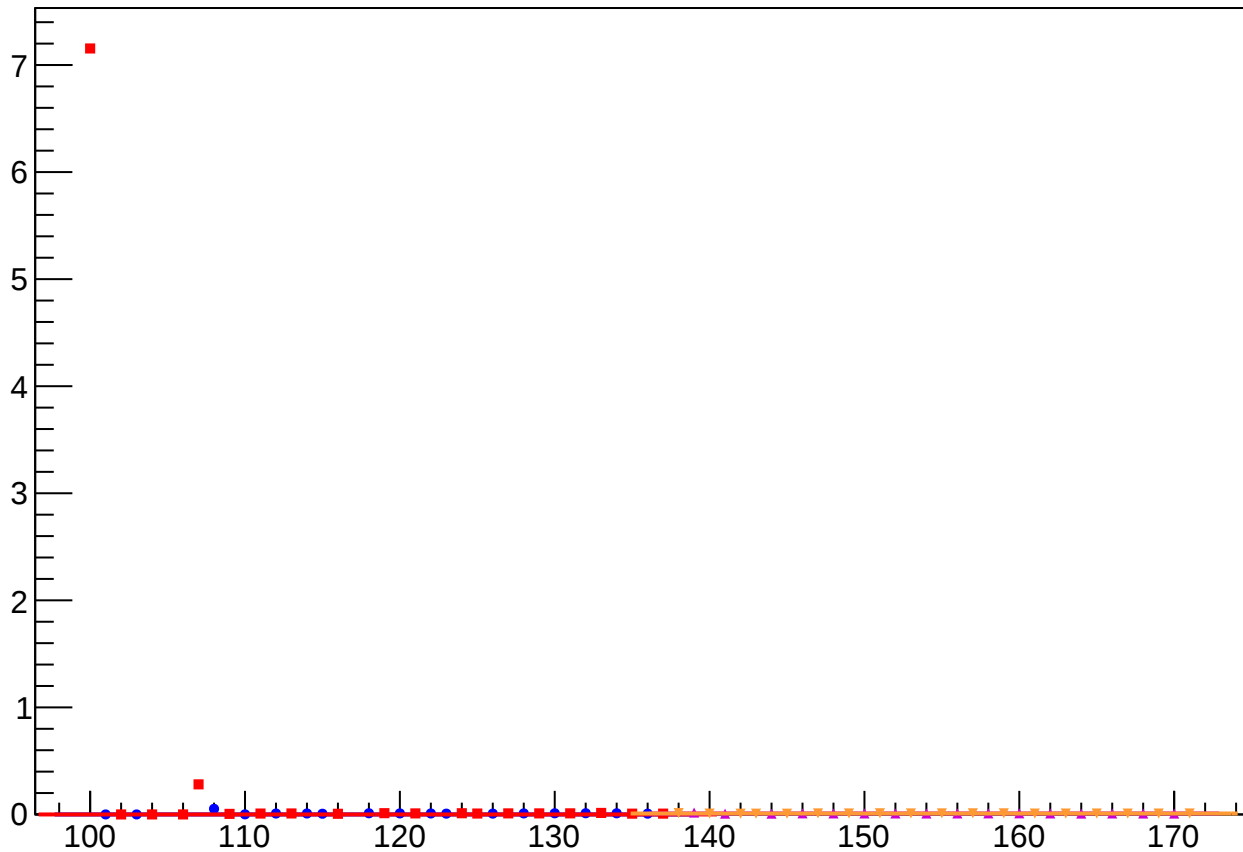
Left In: 0.047+/-0.000 χ^2 /NDF:74616088.3/15

+ sign -6.938+/-0.000 χ^2 /NDF: 15380524018899.5/16

All: -5.871+/-0.000 χ^2 /NDF: 4392479083864

- sign -4.893+/-0.000 χ^2 /NDF: 368271062609393.2

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 : 423368.6/17

Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

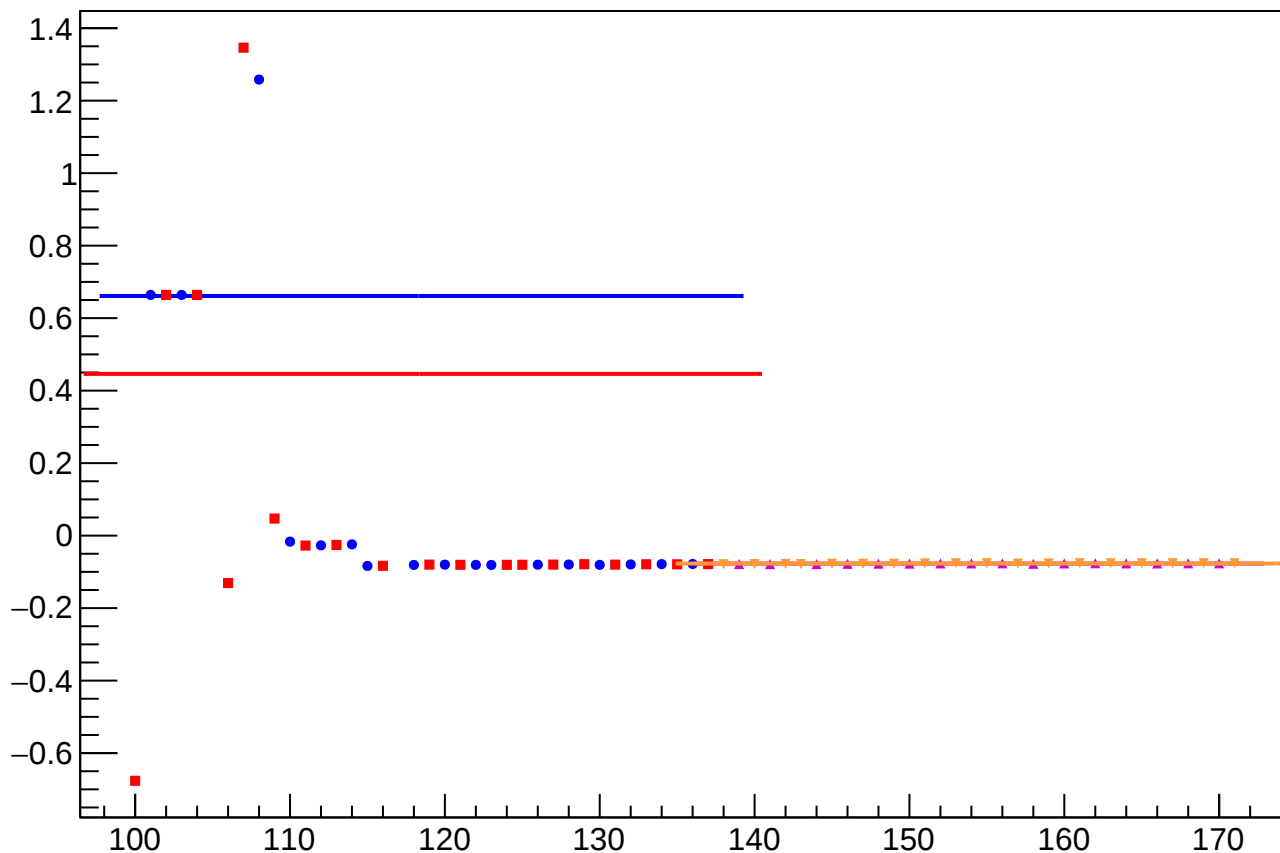
Left In: 0.009+/-0.000 χ^2/NDF : 508273.4/15

+ sign 0.000+/-0.000 χ^2/NDF : 29359685.6/34

All: 0.000+/-0.000 χ^2/NDF : 57947787.4/69

- sign 0.000+/-0.000 χ^2/NDF : 28584757.4/34

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5678332616622.1/16

Left Out: -0.077 $\pm$ 0.000 χ^2 /NDF: 33531667.1/17

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405428604683882.5/18

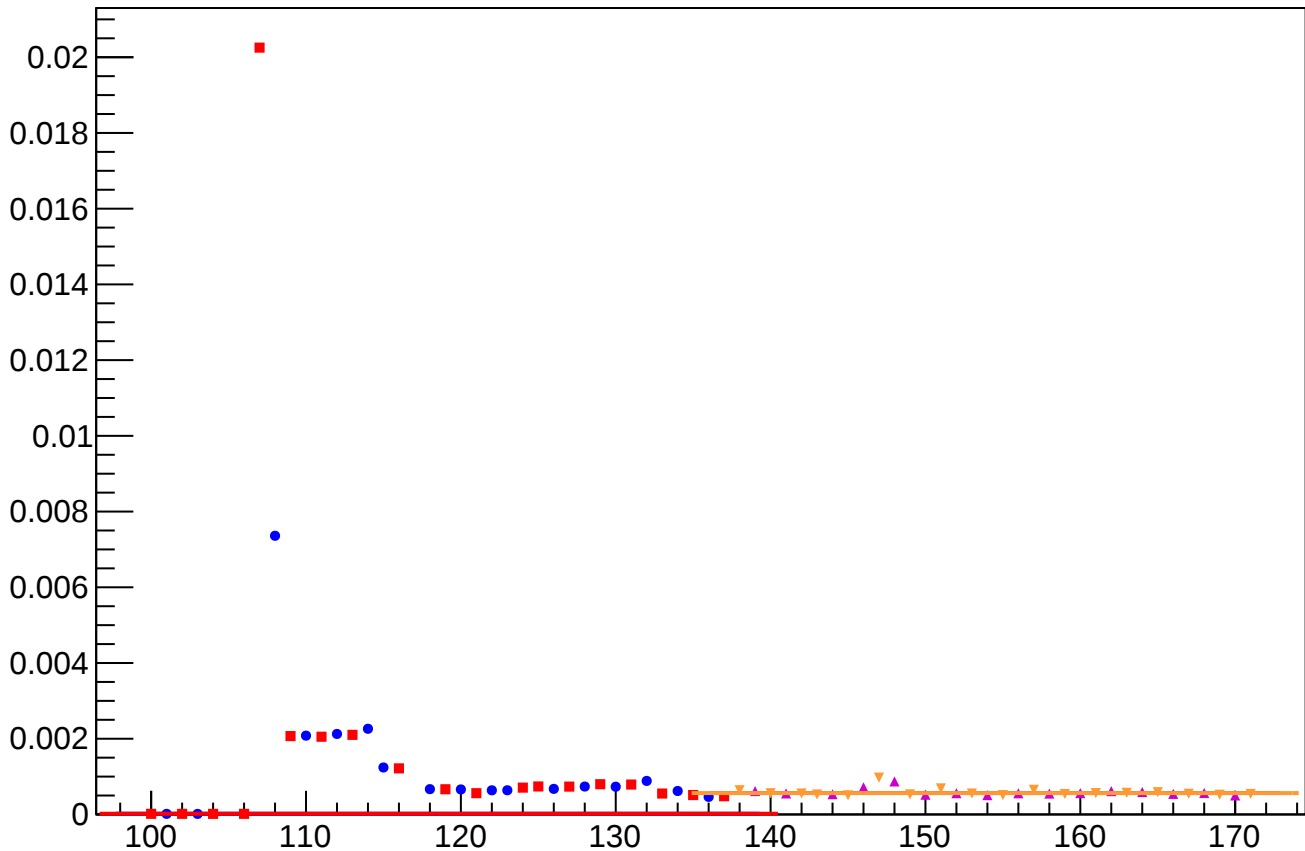
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 23173948.5/15

+ sign 0.650 $\pm$ 0.000 χ^2 /NDF: 27133824084180.0/3

All: 0.540 $\pm$ 0.000 χ^2 /NDF: 50373937364382

- sign 0.440 $\pm$ 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 : 426088.5/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

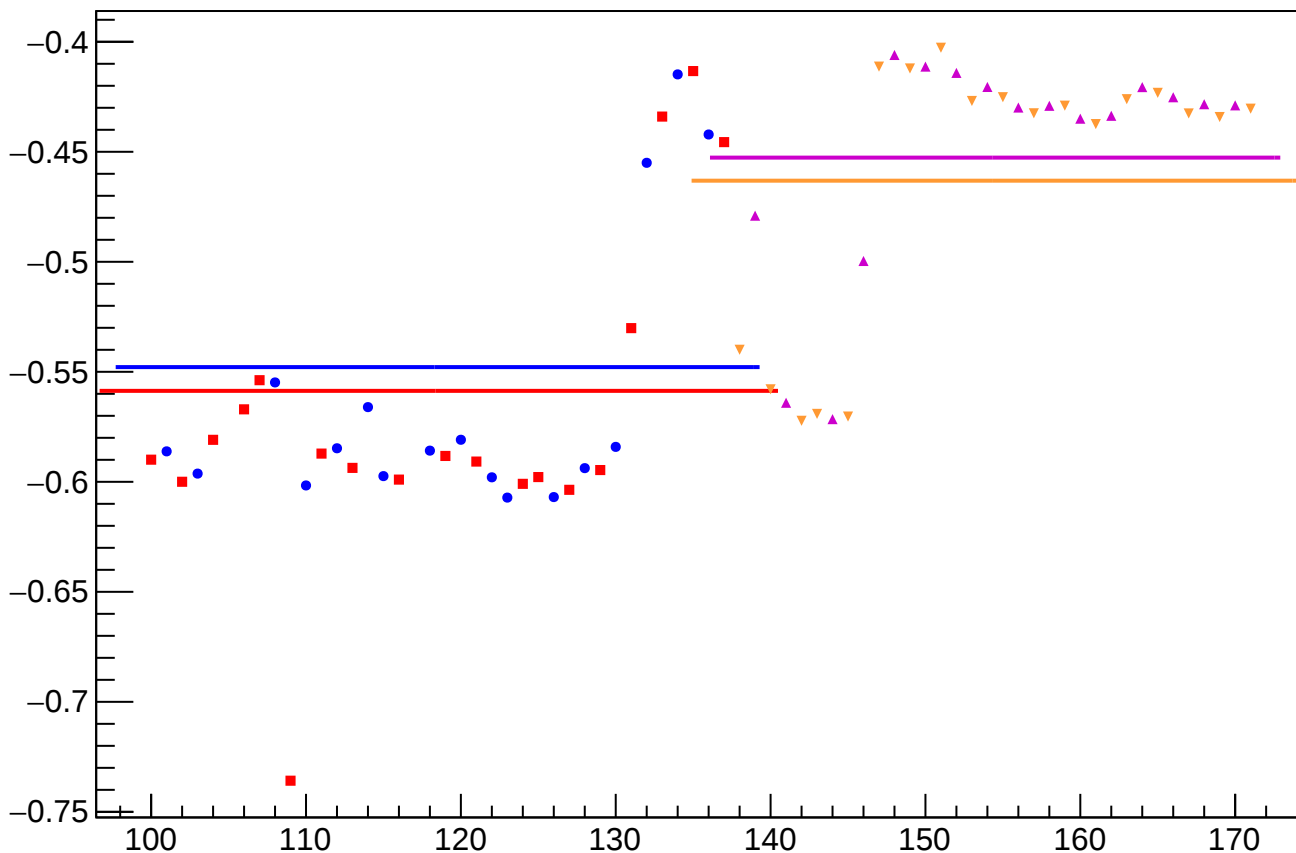
Left In: 0.001+/-0.000 χ^2/NDF : 343184.7/15

+ sign 0.000+/-0.000 χ^2/NDF : 33904774.8/34

All: 0.000+/-0.000 χ^2/NDF : 65675520.7/69

- 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: -0.463 ± 0.000 χ^2/NDF : 105722575.7/17

Right Out: -0.559 ± 0.000 χ^2/NDF : 65682293.5/18

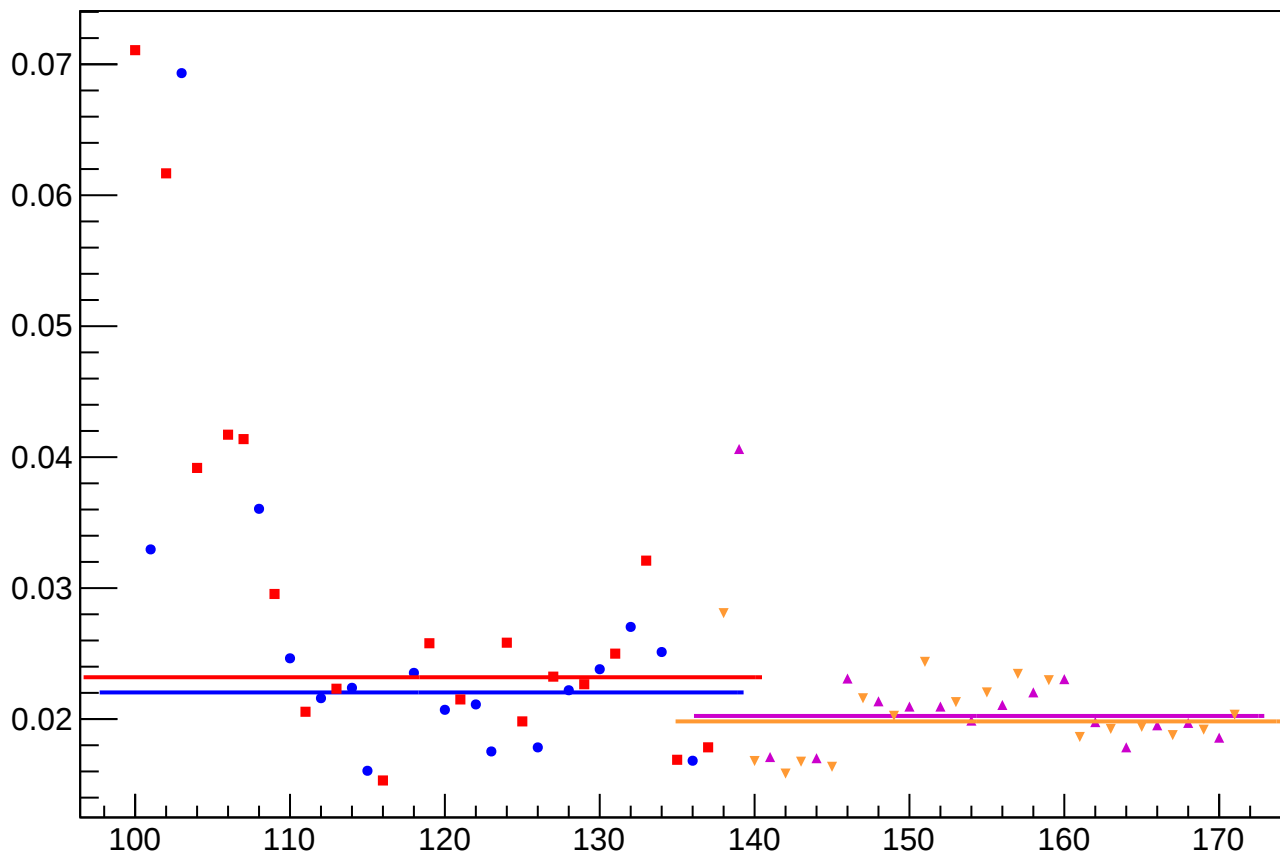
Left In: -0.453 ± 0.000 χ^2/NDF : 75090848.0/15

+ sign -0.487 ± 0.000 χ^2/NDF : 208819236.2/34

All: -0.485 ± 0.000 χ^2/NDF : 429094978.4/69

- sign -0.483 ± 0.000 χ^2/NDF : 220061007.0/34

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 958966.6/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:399823.6/17

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156989.7/18

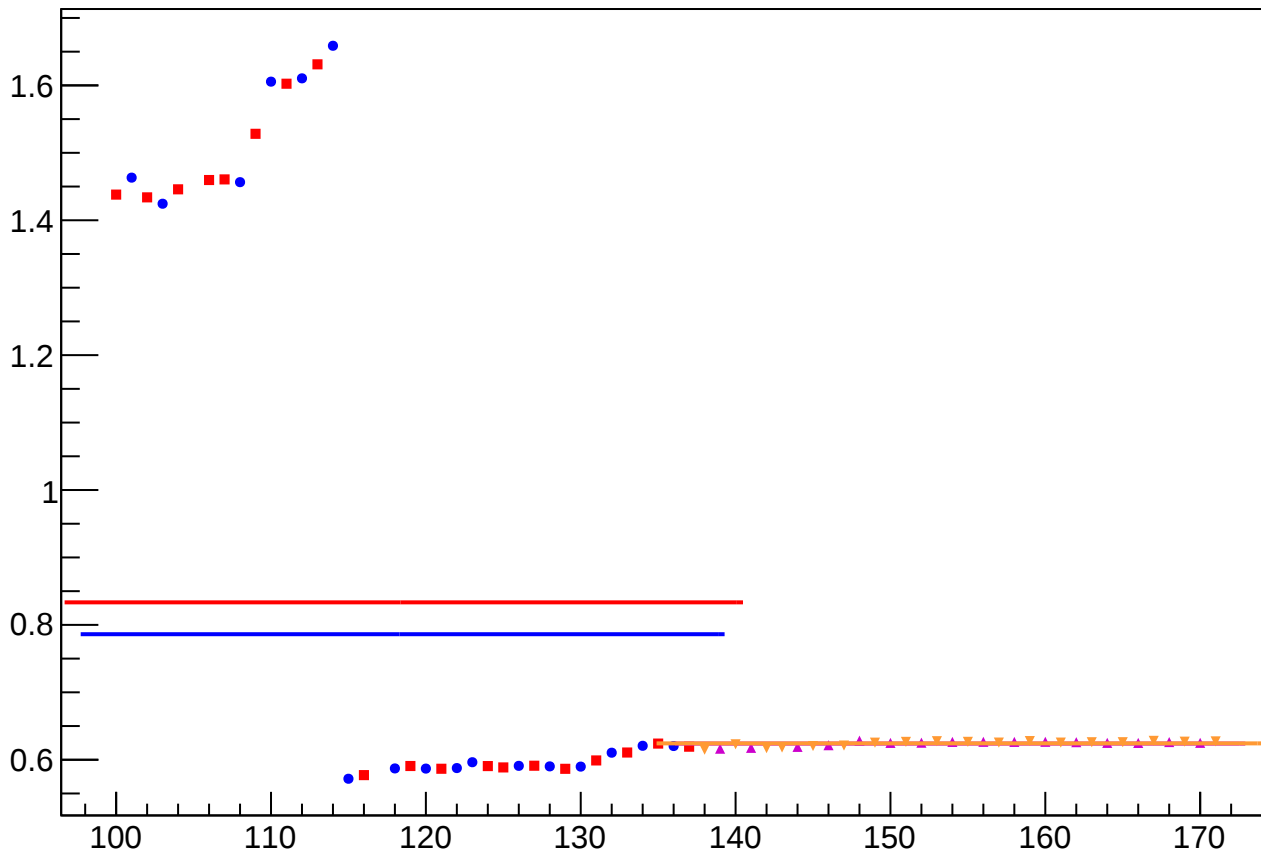
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:513991.3/15

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1433073.9/34

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3242697.5/69

- sign 0.021 $\pm$ 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 : 1234905.5/17

Right Out: 0.833 $\pm$ 0.000 χ^2/NDF : 4156812252.4/18

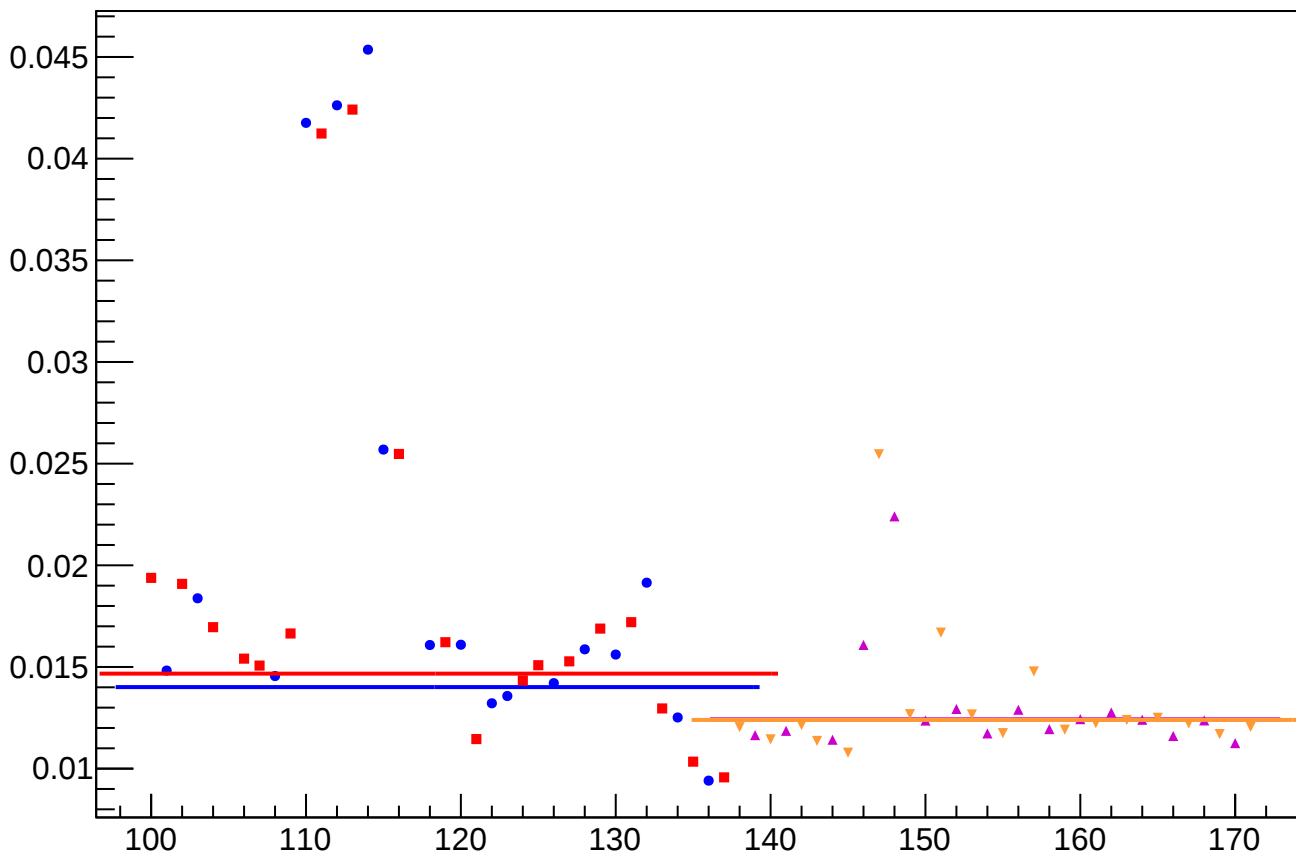
Left In: 0.624 $\pm$ 0.000 χ^2/NDF : 926642.2/15

+ sign 0.666 $\pm$ 0.000 χ^2/NDF : 4153596385.7/34

All: 0.673 $\pm$ 0.000 χ^2/NDF : 9220967326.0/69

- 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:596866.7/17

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1263462.0/18

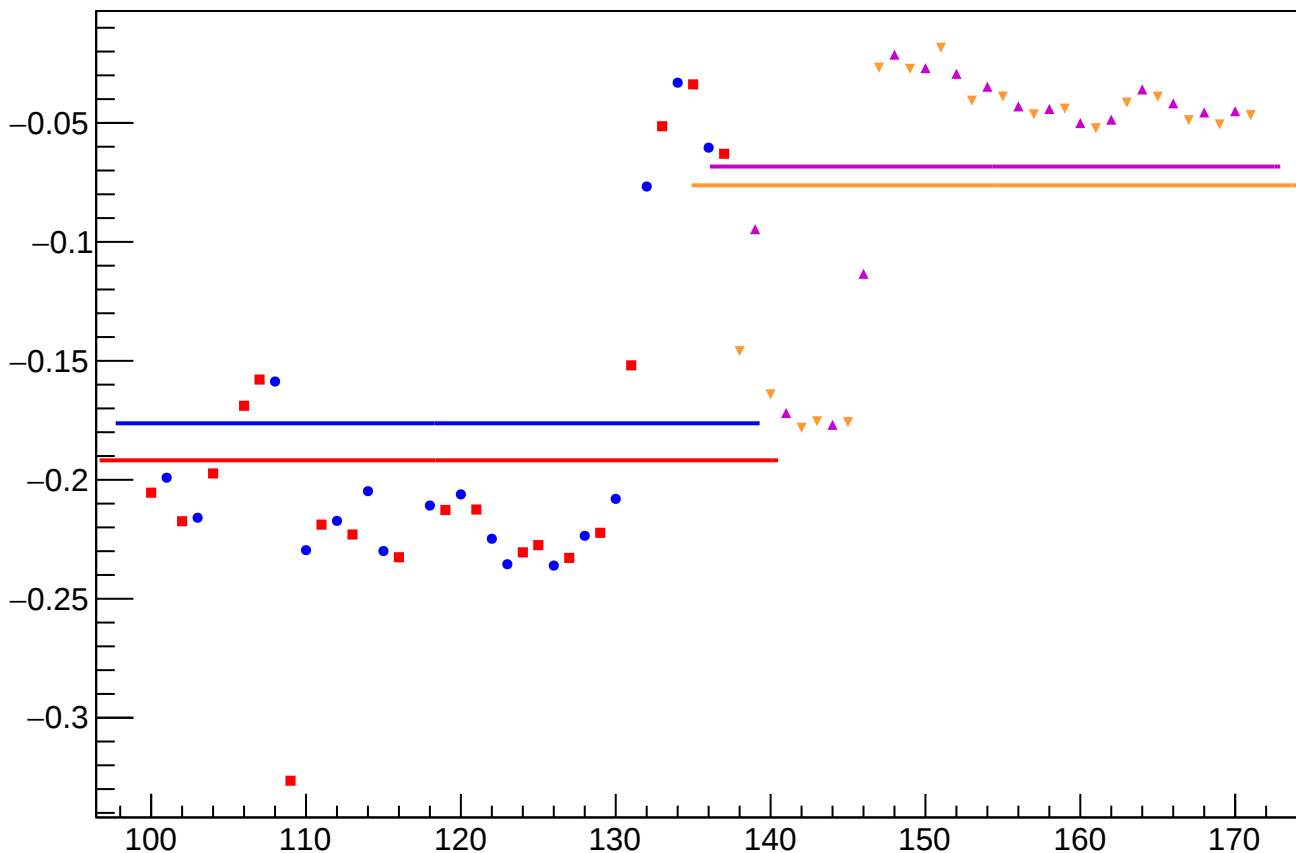
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:435744.8/15

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2113638.1/34

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4024521.1/69

- 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: -0.076+/-0.000 χ^2/NDF : 100764638.4/17

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

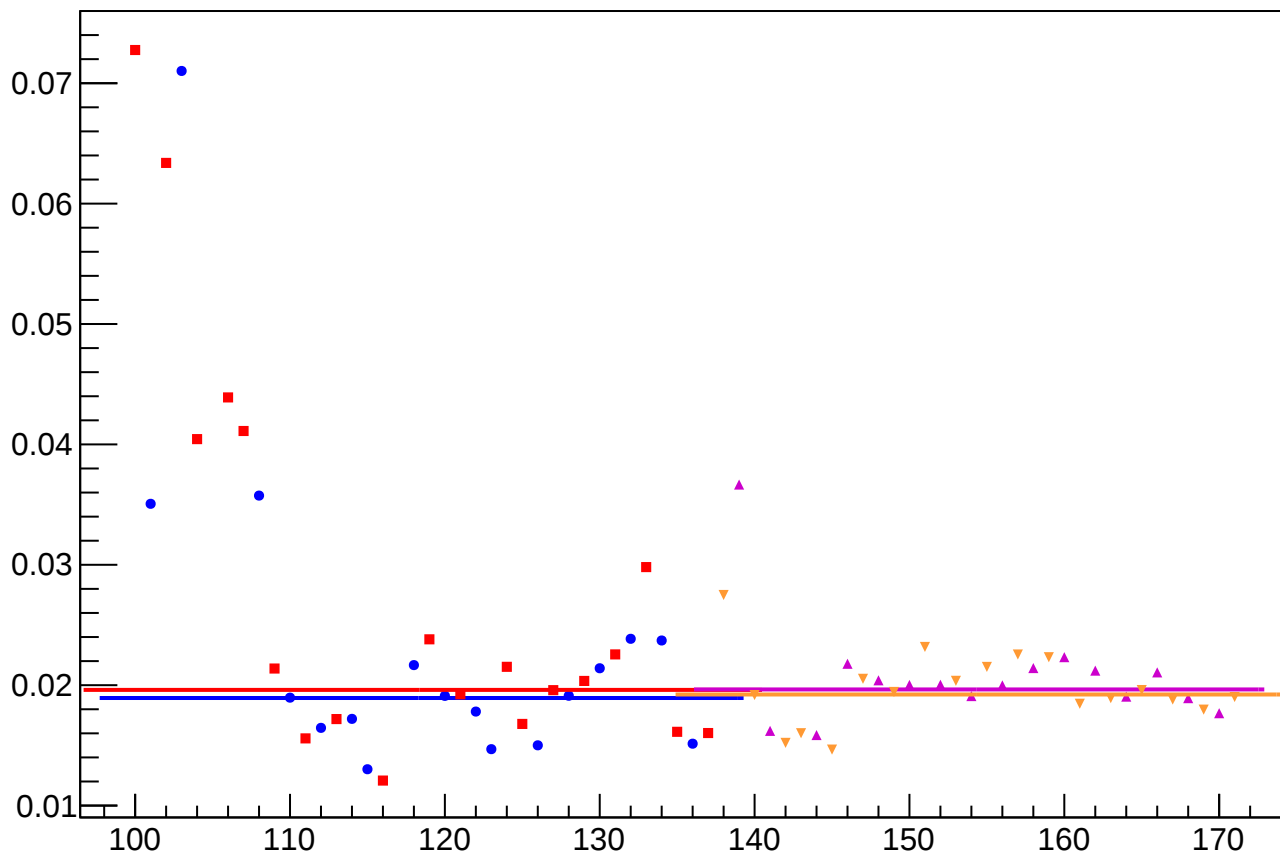
Left In: -0.068+/-0.000 χ^2/NDF : 75467537.5/15

+ sign -0.108+/-0.000 χ^2/NDF : 265659541.2/34

All: -0.109+/-0.000 χ^2/NDF : 560984960.2/69

- 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 : 425831.2/17

Right Out: 0.020+/-0.000 χ^2/NDF : 1457660.9/18

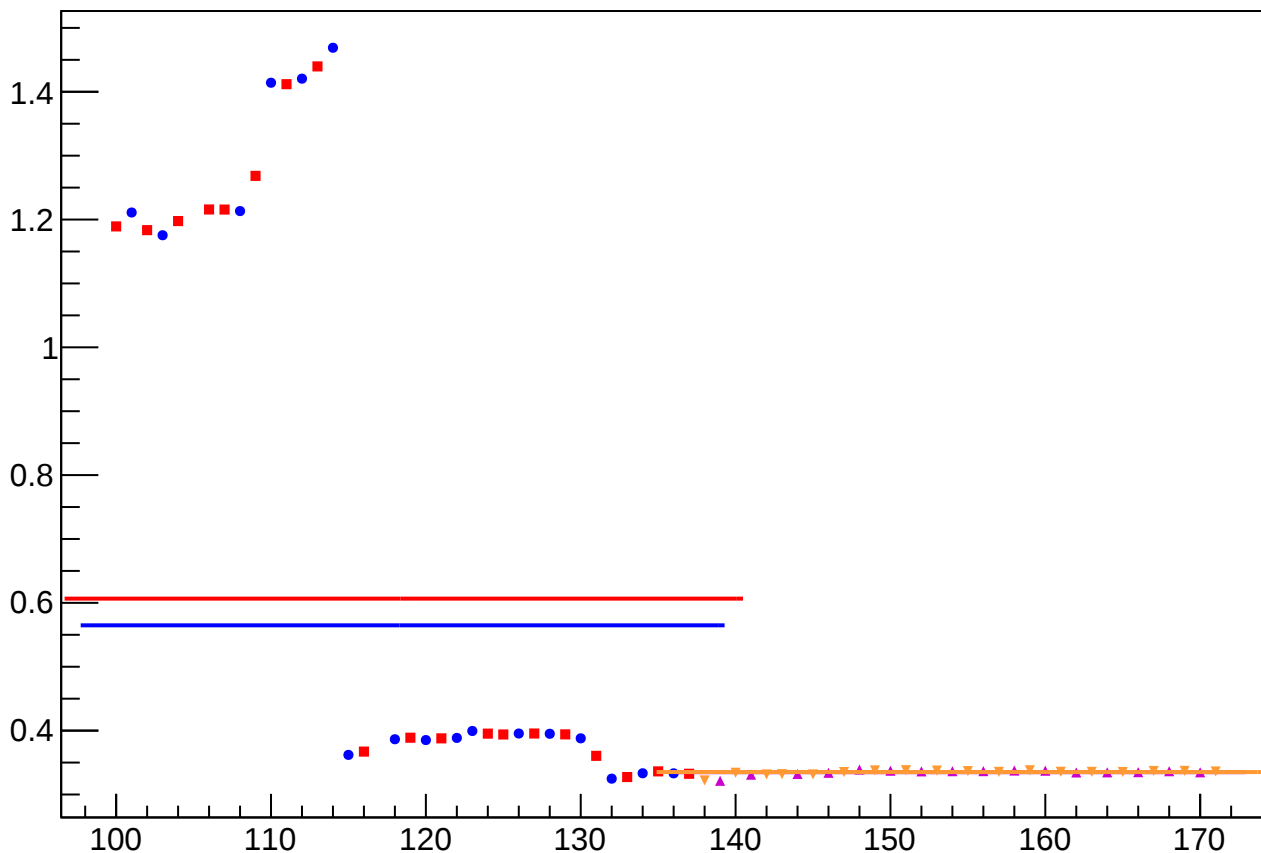
Left In: 0.020+/-0.000 χ^2/NDF : 493887.3/15

+ sign 0.019+/-0.000 χ^2/NDF : 1633302.5/34

All: 0.019+/-0.000 χ^2/NDF : 3595286.0/69

- sign 0.020+/-0.000 χ^2/NDF : 1951573.4/34

yield_bpm4eY_mean vs Slug



Right In: 0.565 $\pm$ 0.000 χ^2 /NDF: 5030969499.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1130368.4/17

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5513752213.8/18

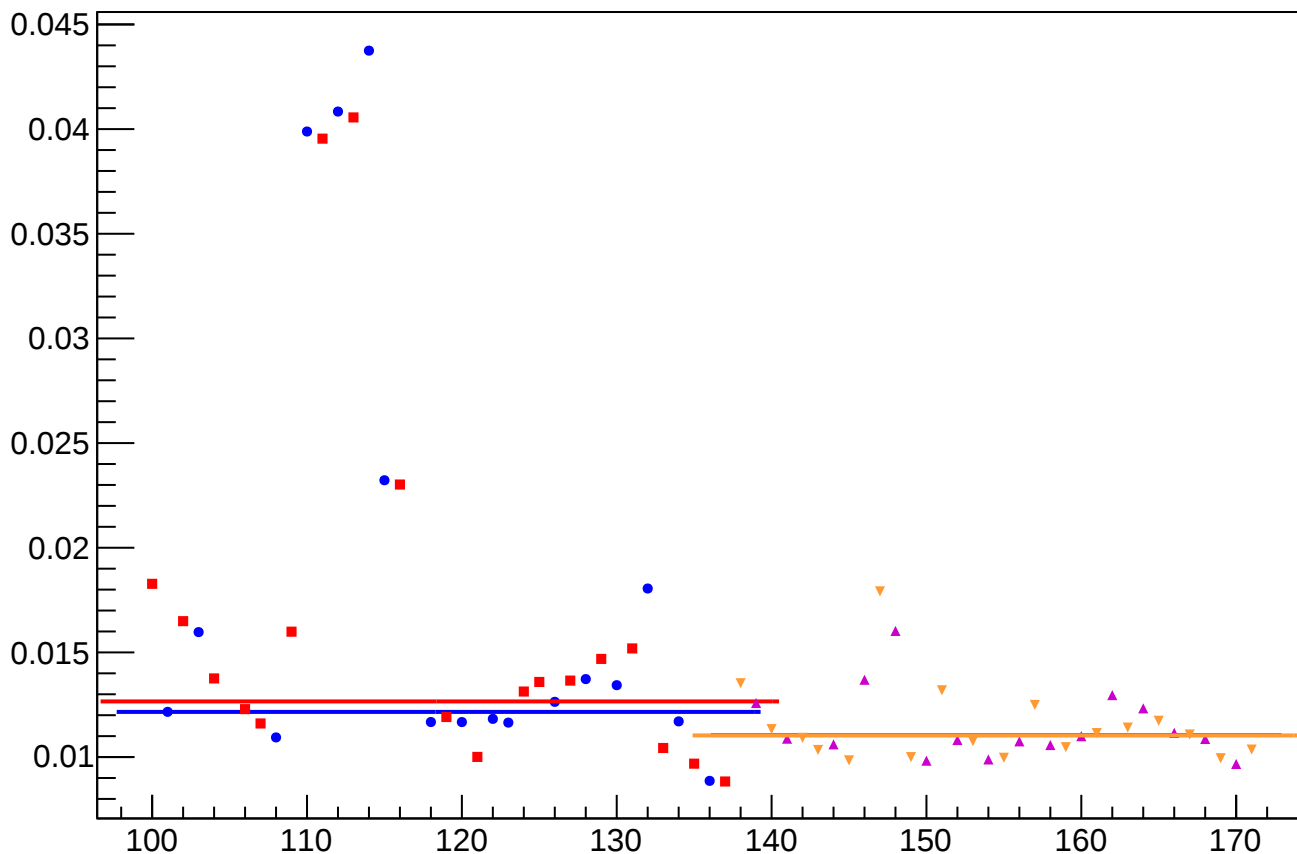
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1171375.2/15

+ sign 0.397 $\pm$ 0.000 χ^2 /NDF: 6511873852.6/34

All: 0.403 $\pm$ 0.000 χ^2 /NDF: 14006431931.4/6

- sign 0.410 $\pm$ 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:427459.9/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

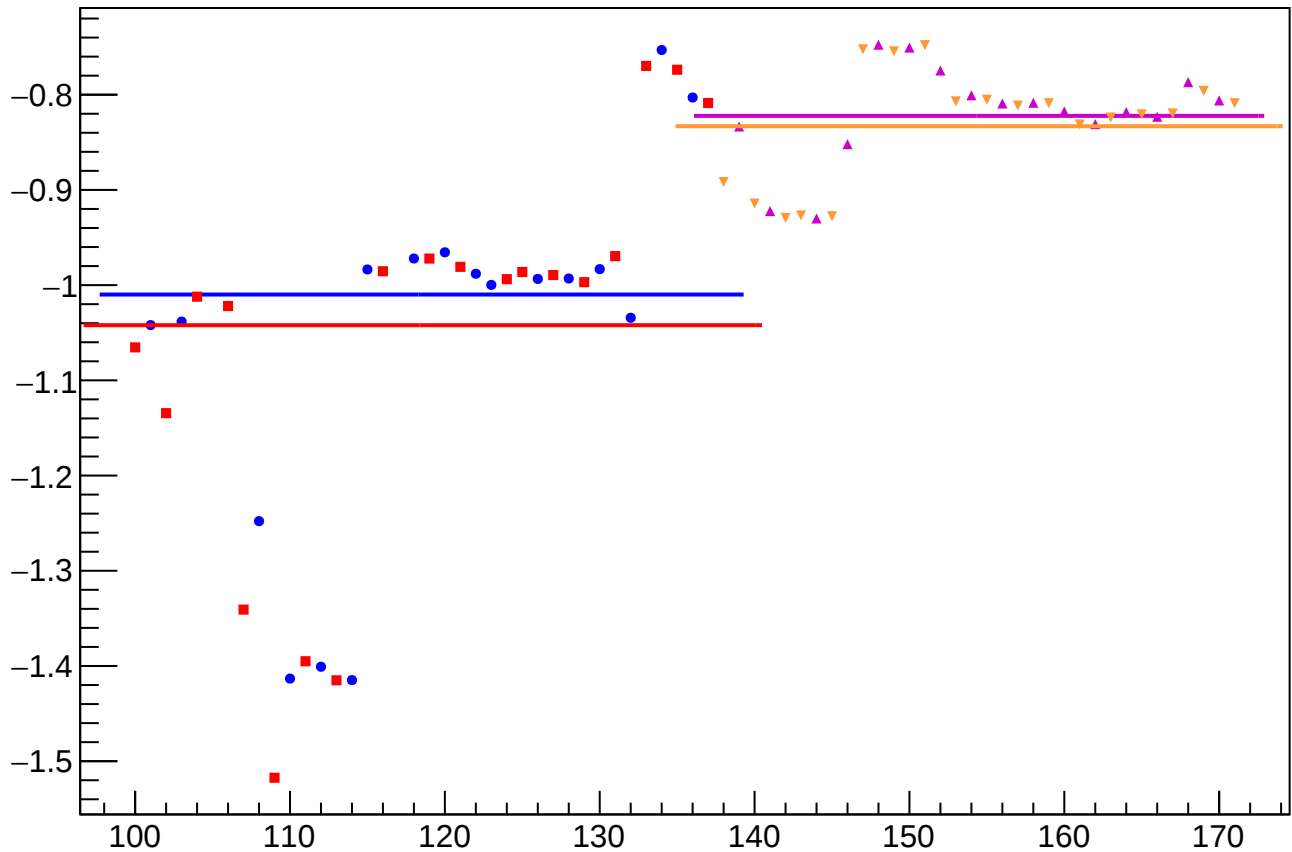
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:357214.1/15

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1808153.8/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3577305.2/69

- 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: -0.833 ± 0.000 χ^2/NDF : 97577348.2/17

Right Out: -1.042 ± 0.000 χ^2/NDF : 530106141.8/18

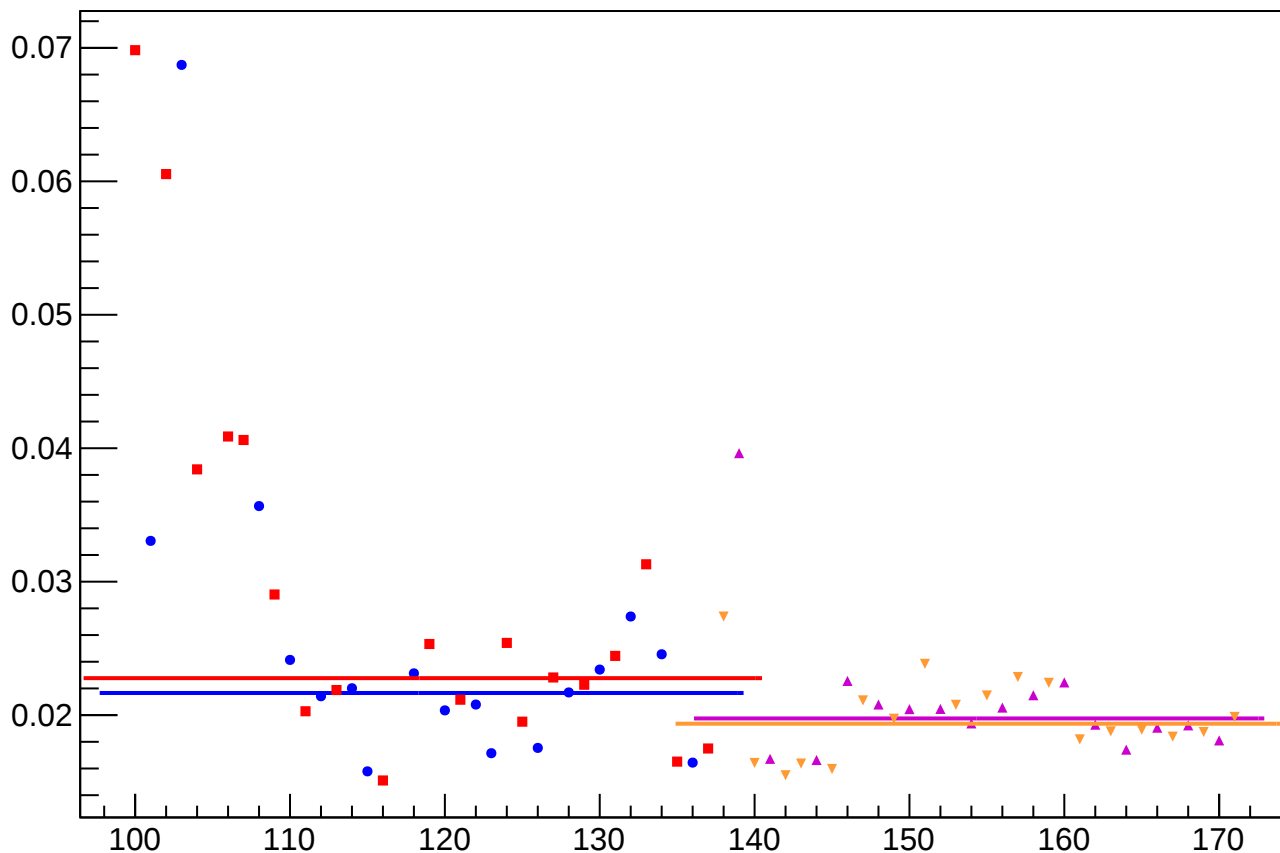
Left In: -0.822 ± 0.000 χ^2/NDF : 73585636.3/15

+ sign -0.882 ± 0.000 χ^2/NDF : 731389182.5/34

All: -0.883 ± 0.000 χ^2/NDF : 1689716410.2/6

- sign -0.885 ± 0.000 χ^2/NDF : 958123583.0/34

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 983499.8/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 397530.0/17

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152617.8/18

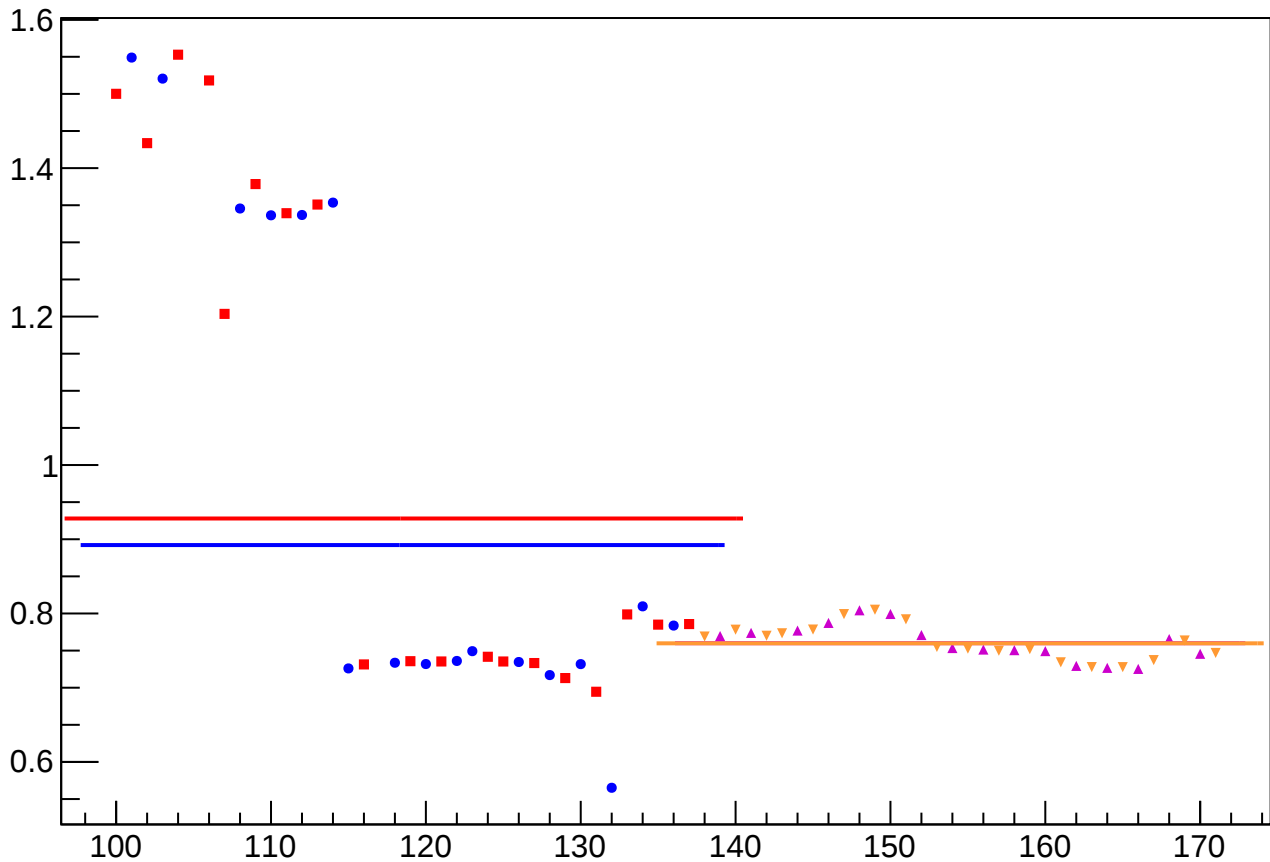
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 511340.7/15

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1464582.7/34

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3276989.4/69

- sign 0.021 $\pm$ 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: 0.760 $\pm$ 0.000 χ^2 /NDF:37018973.0/17

Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2437542089.2/18

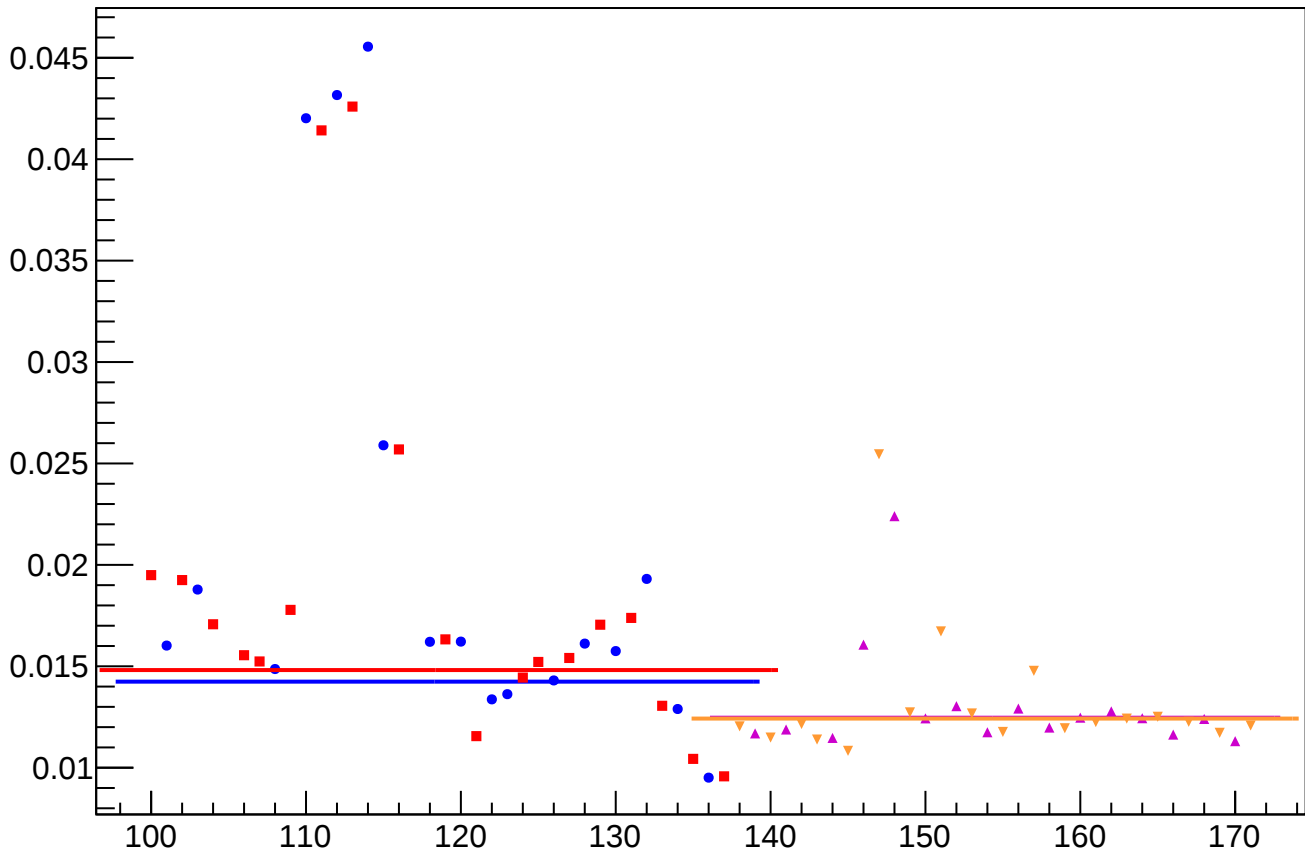
Left In: 0.760 $\pm$ 0.000 χ^2 /NDF:33914655.5/15

+ sign 0.793 $\pm$ 0.000 χ^2 /NDF: 2815683959.7/34

All: 0.798 $\pm$ 0.000 χ^2 /NDF: 5861589271.6/69

- sign 0.804 $\pm$ 0.000 χ^2 /NDF: 3039536862.6/34

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 : 592259.3/17

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1274172.7/18

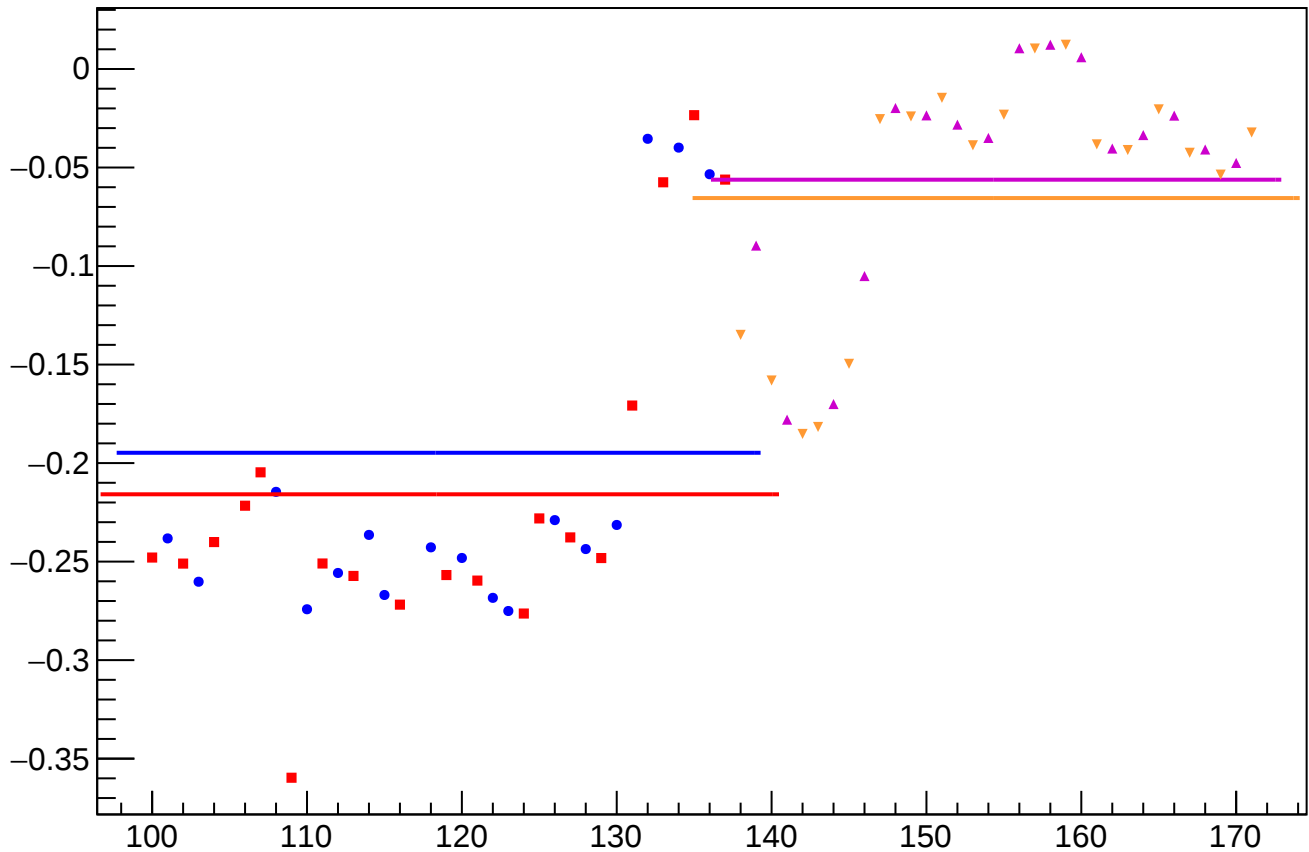
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 431024.1/15

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 2145937.9/34

All: 0.013 $\pm$ 0.000 χ^2/NDF : 4077485.5/69

- 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: -0.065+/-0.000 χ^2/NDF : 117050300.7/17

Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

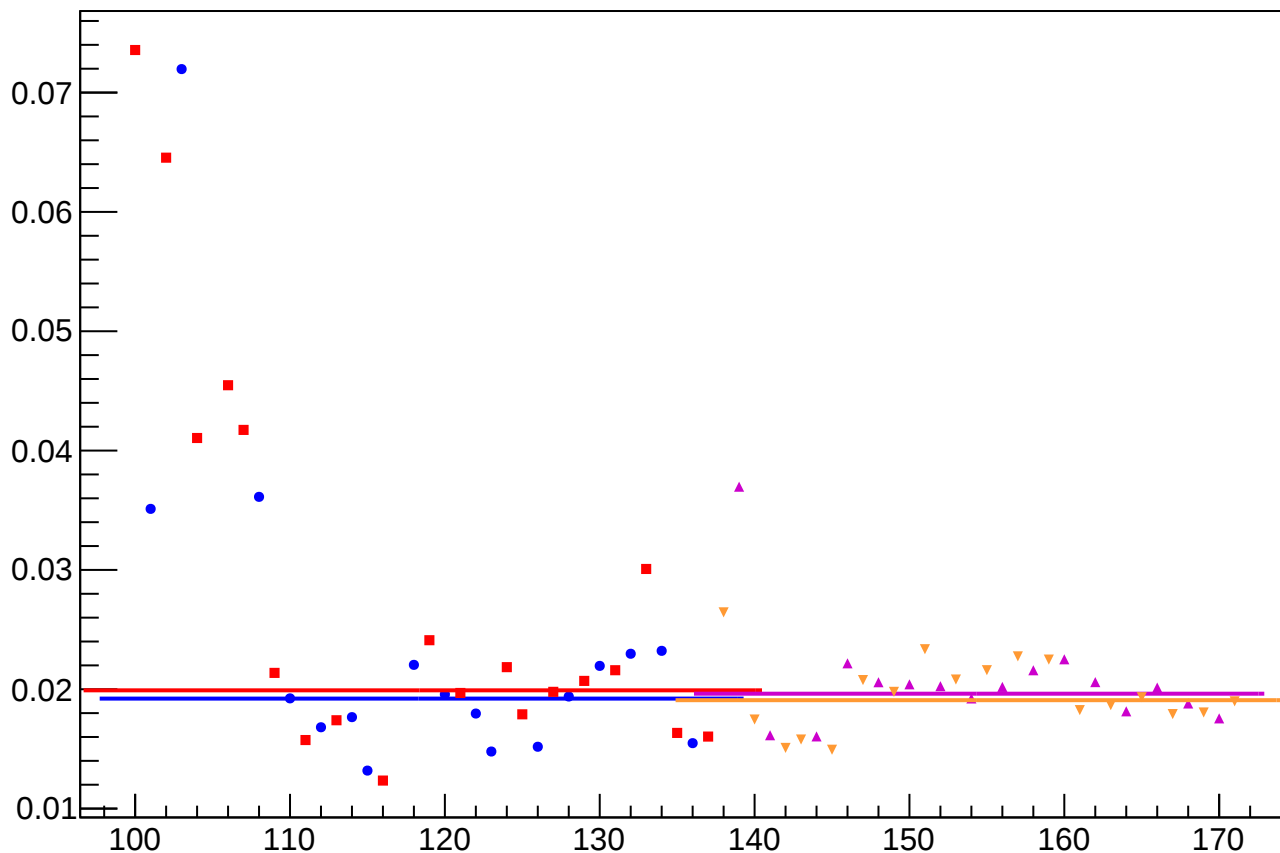
Left In: -0.056+/-0.000 χ^2/NDF : 97397026.3/15

+ sign -0.106+/-0.000 χ^2/NDF : 381387393.9/34

All: -0.108+/-0.000 χ^2/NDF : 813190601.6/69

- sign -0.109+/-0.000 χ^2/NDF : 431572166.4/34

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.019+/-0.000 χ^2/NDF : 431717.4/17

Right Out: 0.020+/-0.000 χ^2/NDF : 1446950.0/18

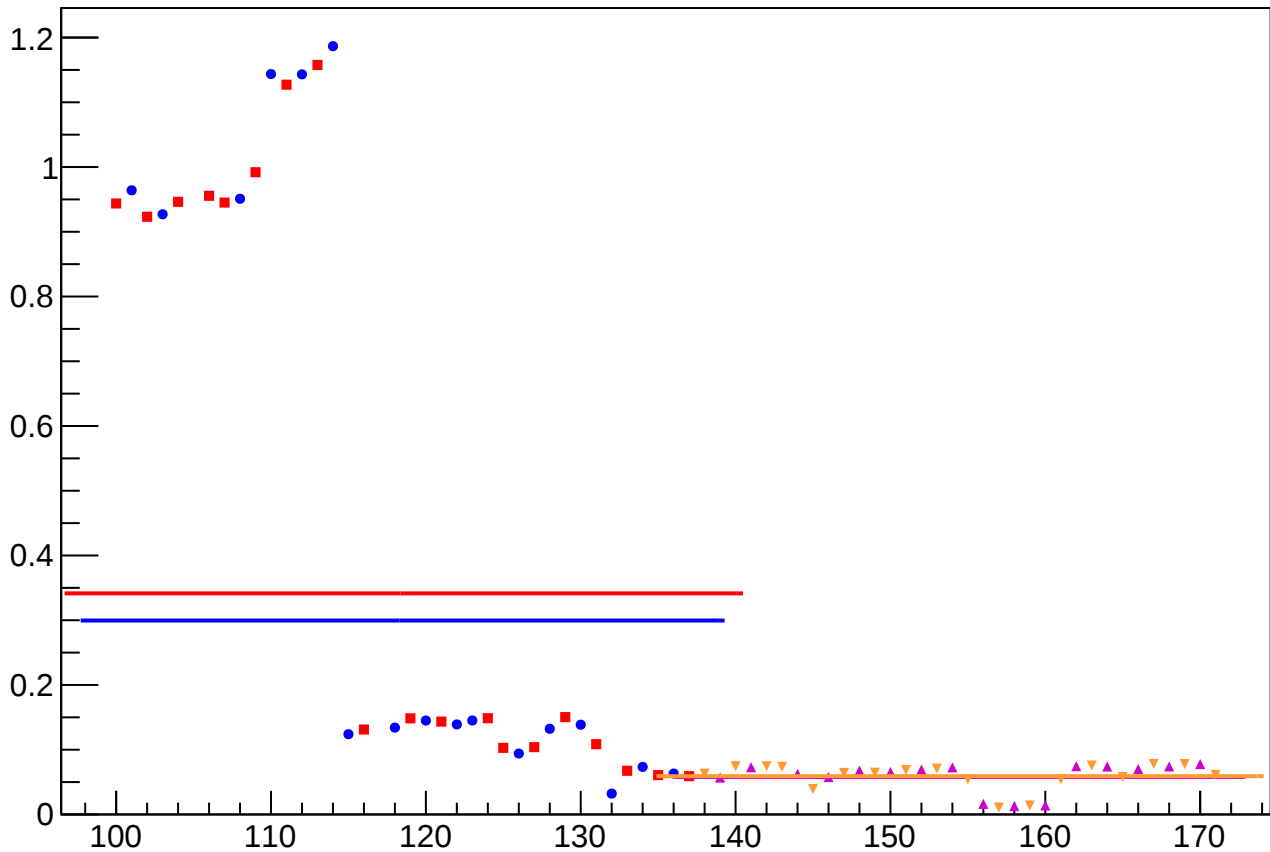
Left In: 0.020+/-0.000 χ^2/NDF : 504910.3/15

+ sign 0.019+/-0.000 χ^2/NDF : 1609132.7/34

All: 0.019+/-0.000 χ^2/NDF : 3577008.5/69

- sign 0.020+/-0.000 χ^2/NDF : 1953244.0/34

yield_bpm4ecY_mean vs Slug



Right In: 0.300+/-0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.059+/-0.000 χ^2/NDF : 43422189.6/17

Right Out: 0.341+/-0.000 χ^2/NDF : 5450600455.1/18

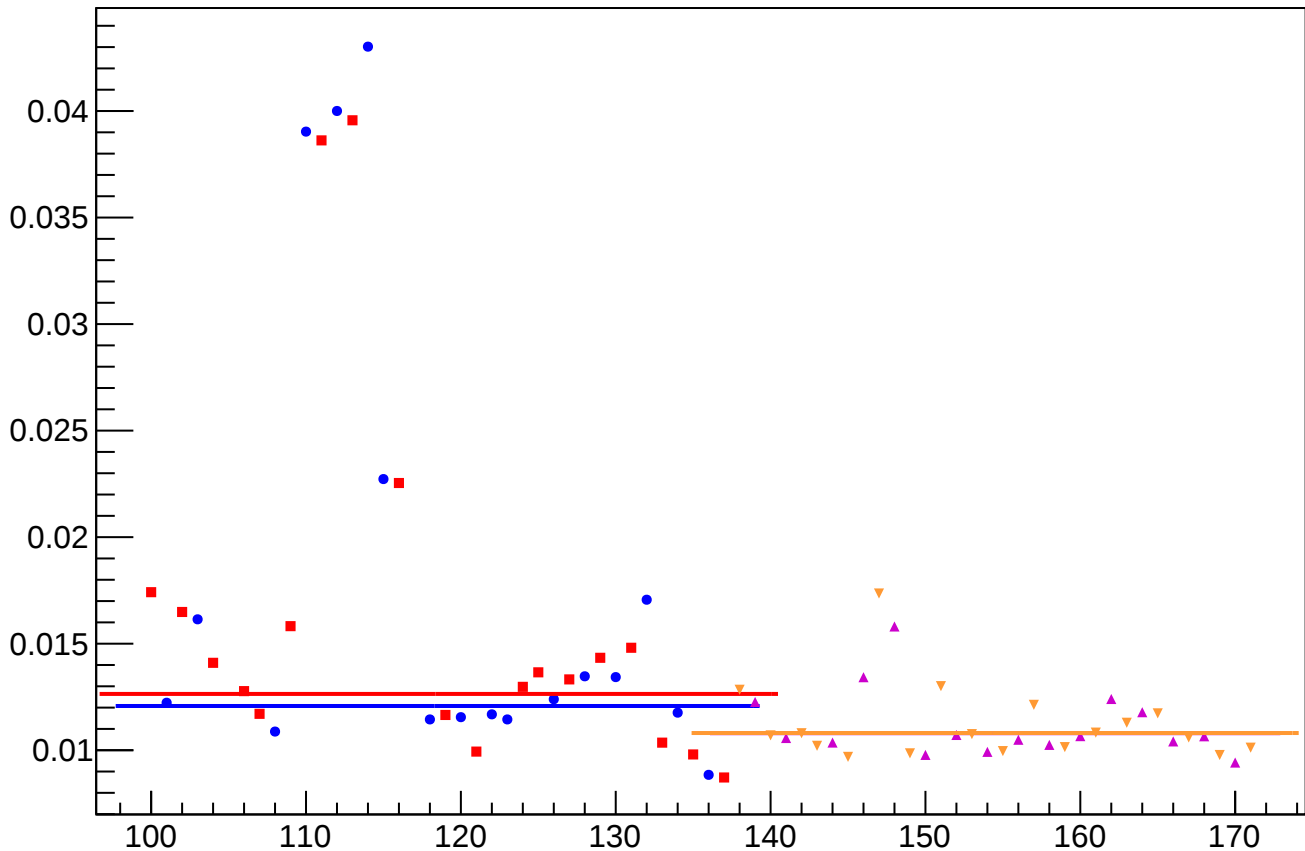
Left In: 0.058+/-0.000 χ^2/NDF : 54810494.8/15

+ sign 0.122+/-0.000 χ^2/NDF : 6866477159.8/34

All: 0.128+/-0.000 χ^2/NDF : 14556386986.7/6

- sign 0.133+/-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:399591.0/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1237706.0/18

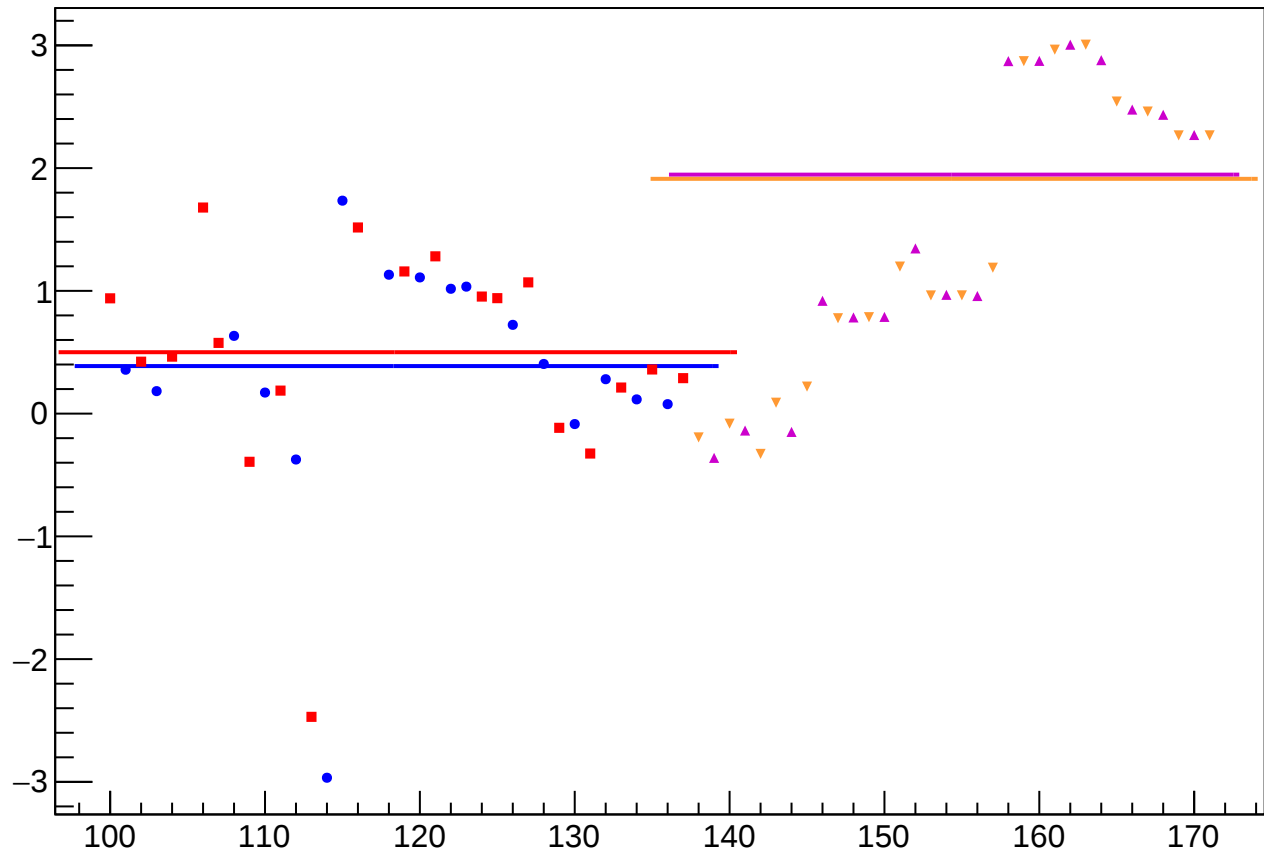
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:339180.2/15

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1774003.3/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3537744.2/69

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1760507.7/34

yield_bpm1X_mean vs Slug



Right In: 0.387+/-0.000 χ^2/NDF : 247912593.5/16

Left Out: 1.913+/-0.000 χ^2/NDF : 26789309269.6/17

Right Out: 0.500+/-0.000 χ^2/NDF : 983360928.1/18

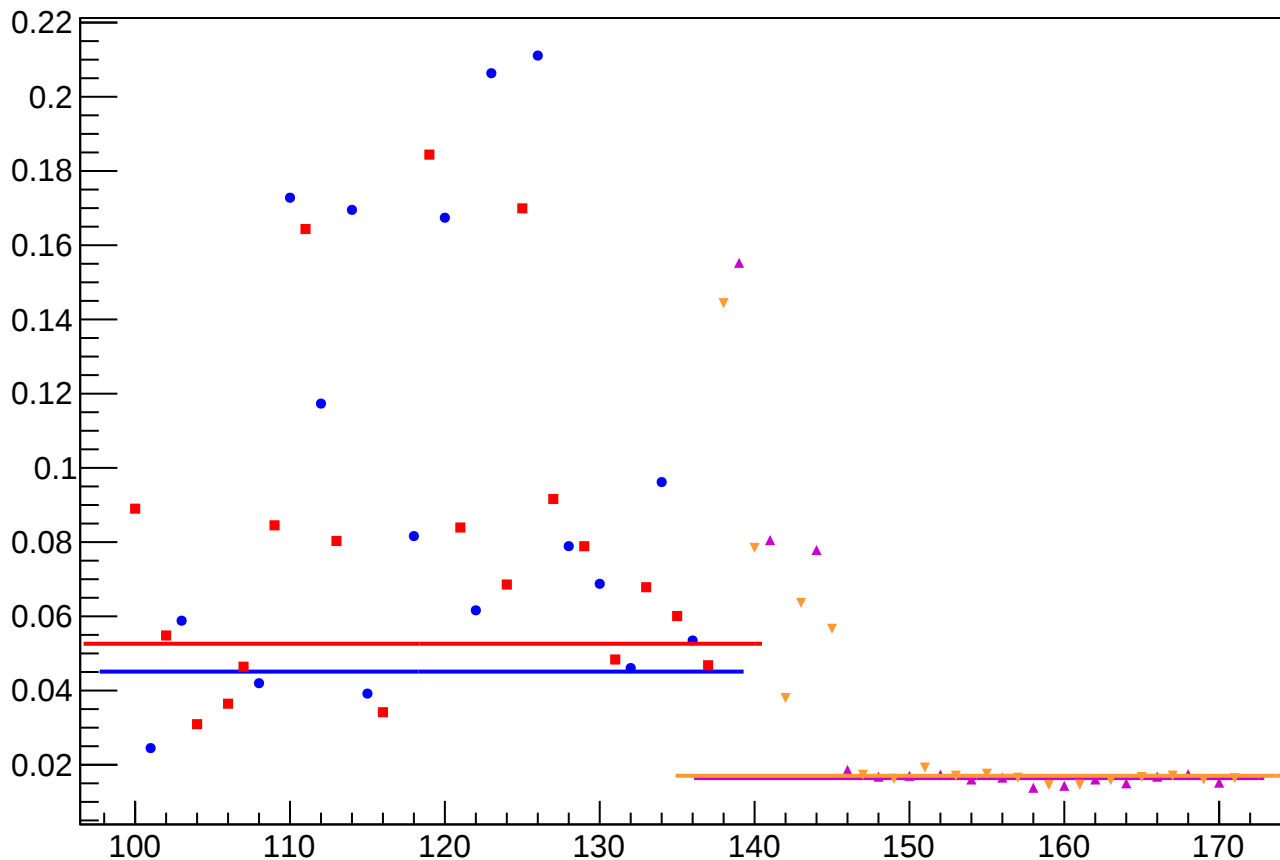
Left In: 1.947+/-0.000 χ^2/NDF : 28097187111.8/15

+ sign 1.837+/-0.000 χ^2/NDF : 30903864958.7/34

All: 1.862+/-0.000 χ^2/NDF : 63019566943.0/6

- sign 1.886+/-0.000 χ^2/NDF : 32072929533.2/34

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.017+/-0.000 χ^2/NDF :2738568.2/17

Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

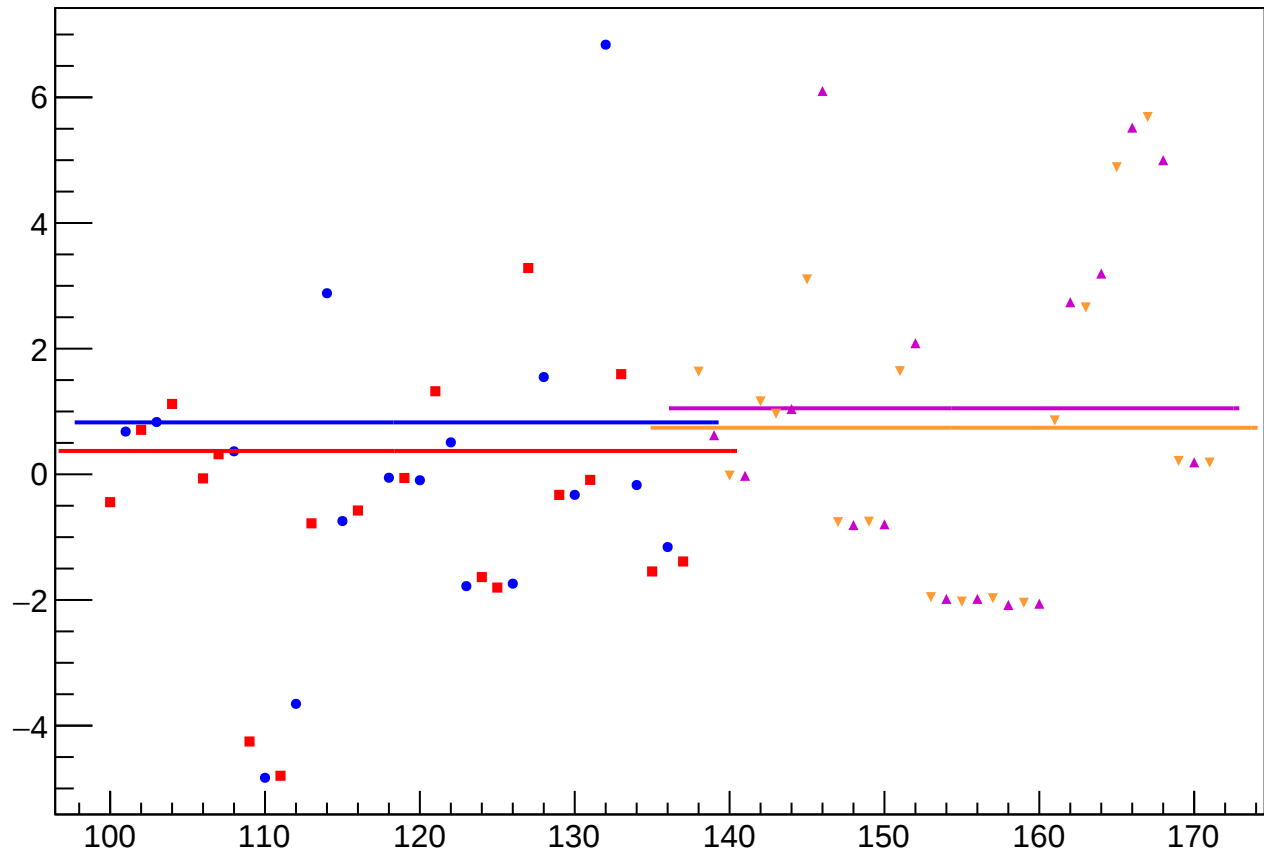
Left In: 0.016+/-0.000 χ^2/NDF :2350037.4/15

+ sign 0.018+/-0.000 χ^2/NDF : 8202557.4/34

All: 0.018+/-0.000 χ^2/NDF : 16500534.3/69

- sign 0.018+/-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: 0.741 ± 0.000 χ^2/NDF : 364674282687.9/17

Right Out: 0.372 ± 0.000 χ^2/NDF : 4972900338.2/18

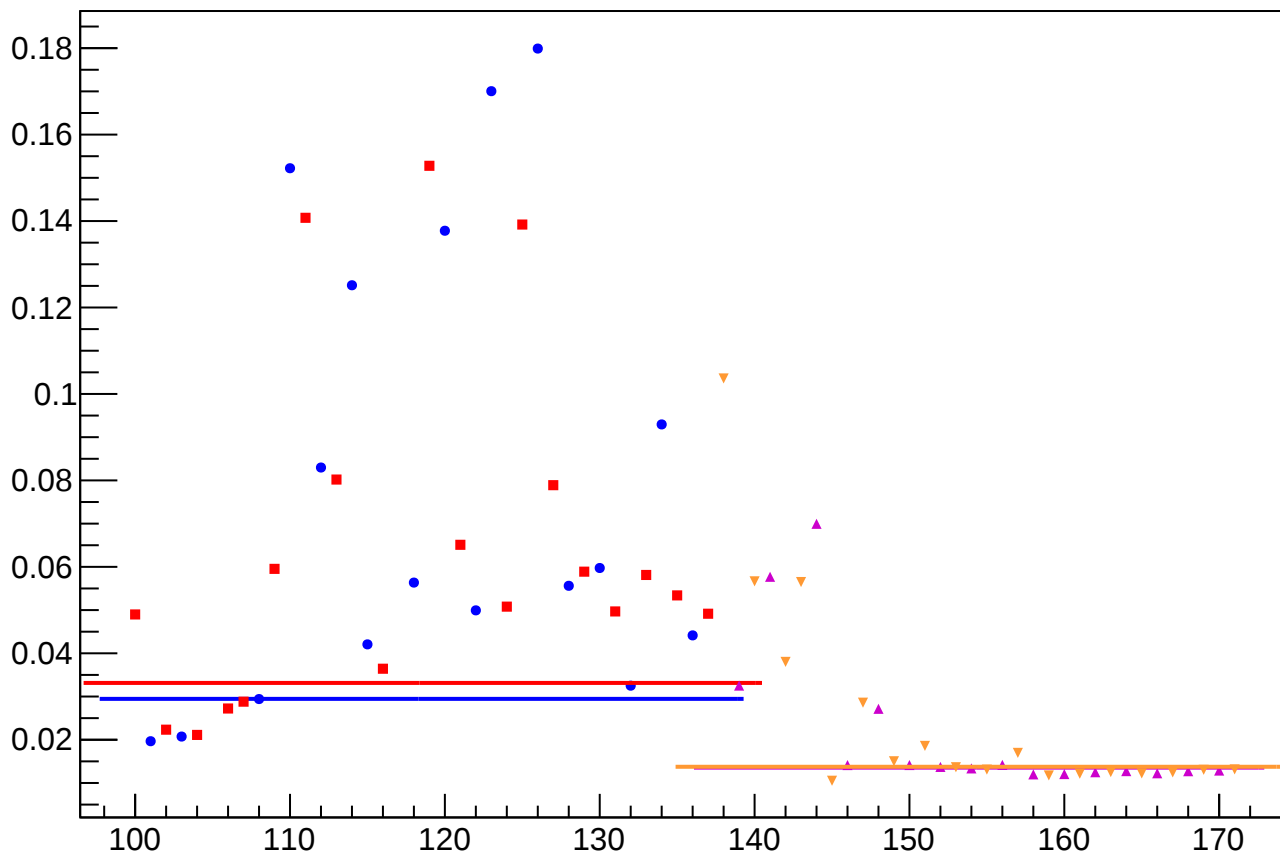
Left In: 1.051 ± 0.000 χ^2/NDF : 478907861431.4/15

+ sign 0.747 ± 0.000 χ^2/NDF : 375637635992.0/34

All: 0.878 ± 0.000 χ^2/NDF : 863052412933.5

- 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 :2845724.5/17

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

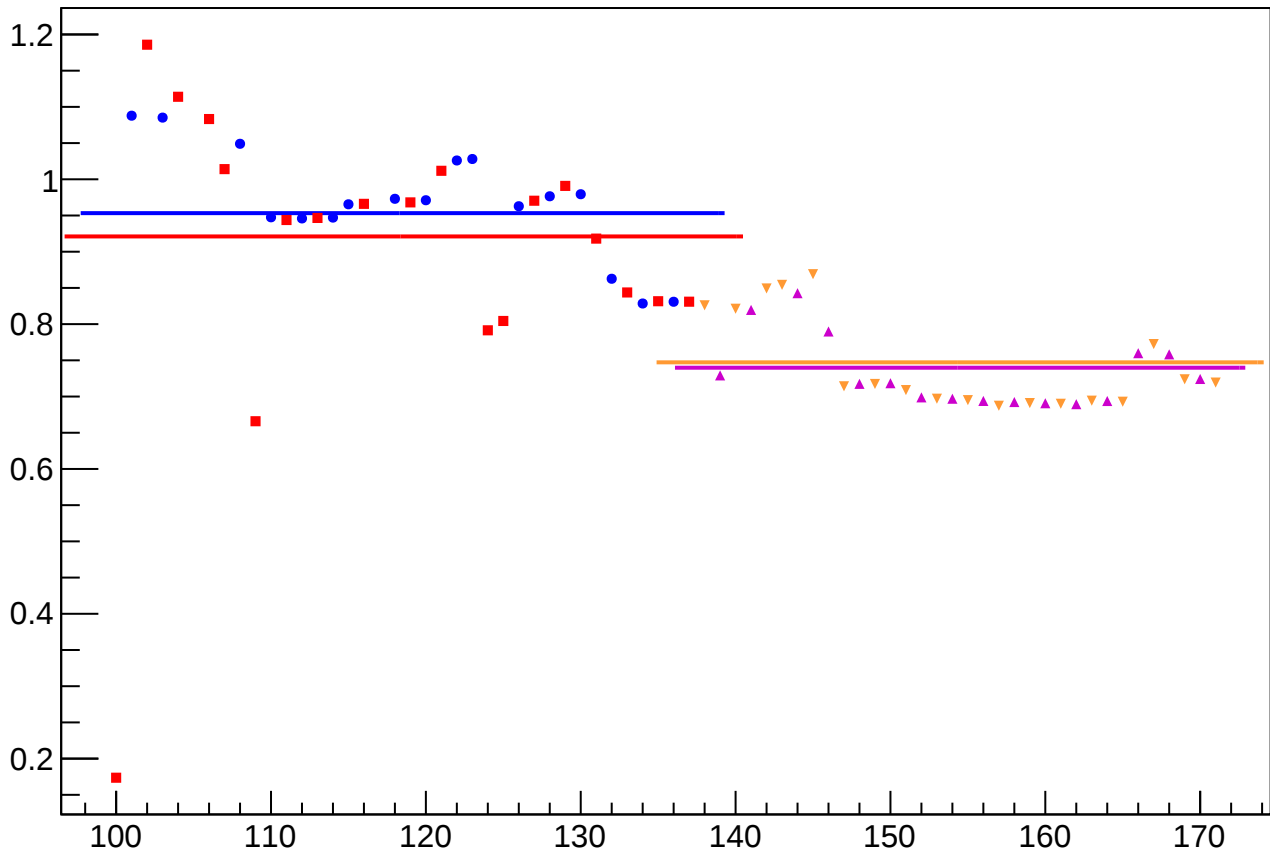
Left In: 0.014+/-0.000 χ^2/NDF :1874537.1/15

+ sign 0.015+/-0.000 χ^2/NDF : 7711249.2/34

All: 0.015+/-0.000 χ^2/NDF : 15207555.4/69

- sign 0.015+/-0.000 χ^2/NDF : 7496004.8/34

yield_bpm11X_mean vs Slug



Right In: 0.953+/-0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.747+/-0.000 χ^2/NDF : 264714780.9/17

+ sign 0.814+/-0.000 χ^2/NDF : 1328400143.9/34

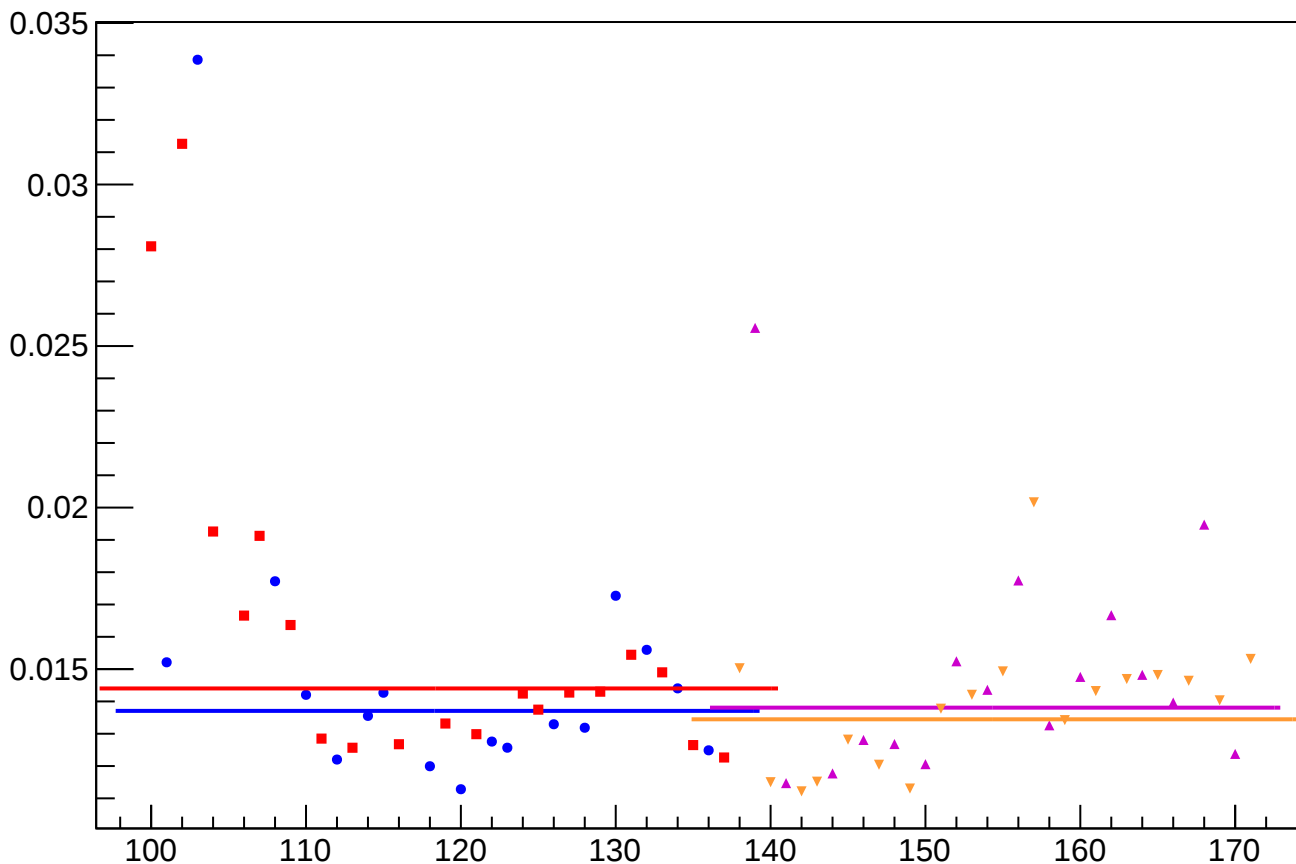
Right Out: 0.921+/-0.000 χ^2/NDF : 374221279.1/18

All: 0.808+/-0.000 χ^2/NDF : 2506716478.1/69

- sign 0.801+/-0.000 χ^2/NDF : 1170708121.9/34

Left In: 0.740+/-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: 393006.8/17

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

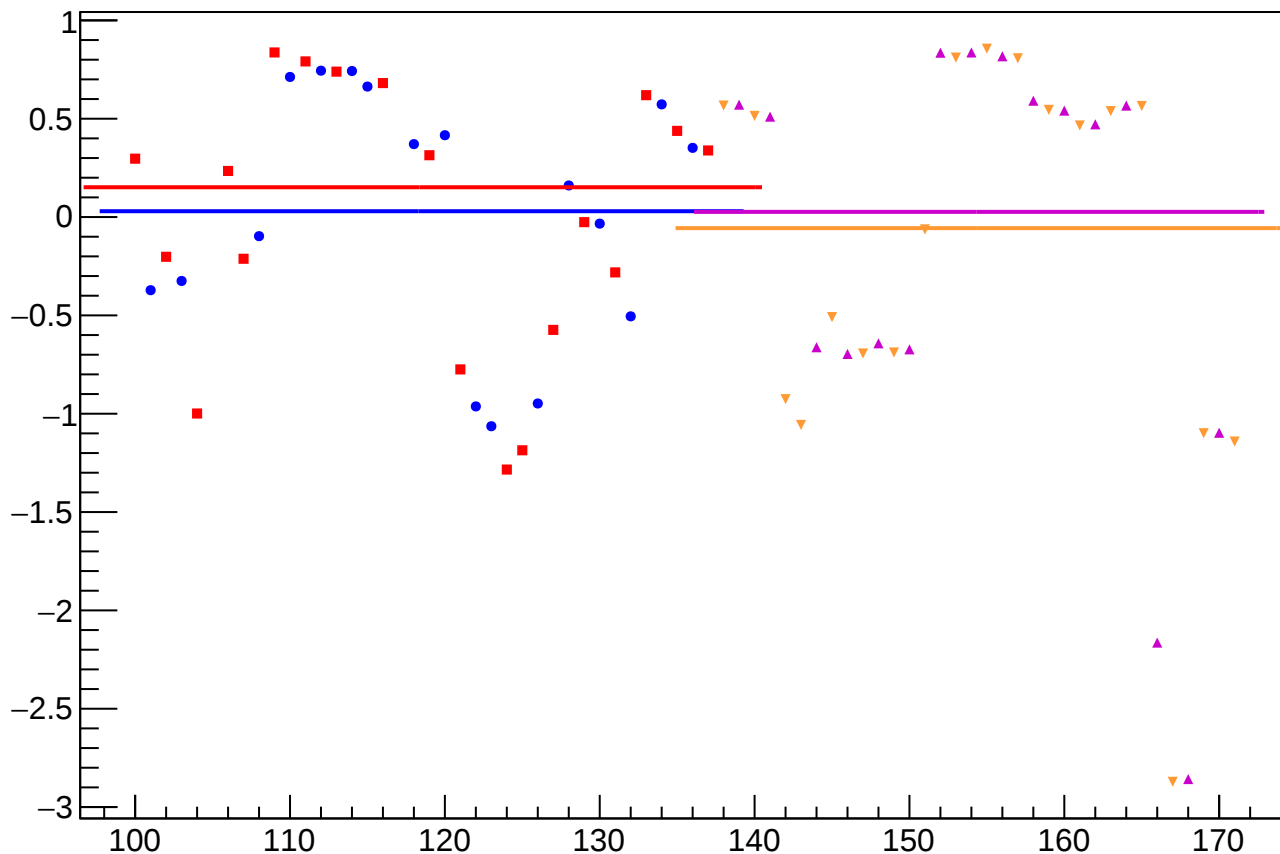
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 724378.2/15

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 942170.0/34

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2202754.2/69

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1239875.5/34

yield_bpm11Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 6294824795.0/16

Left Out: -0.056+/-0.000 χ^2/NDF : 72469680485.2/17

Right Out: 0.152+/-0.000 χ^2/NDF : 12661812059.7/18

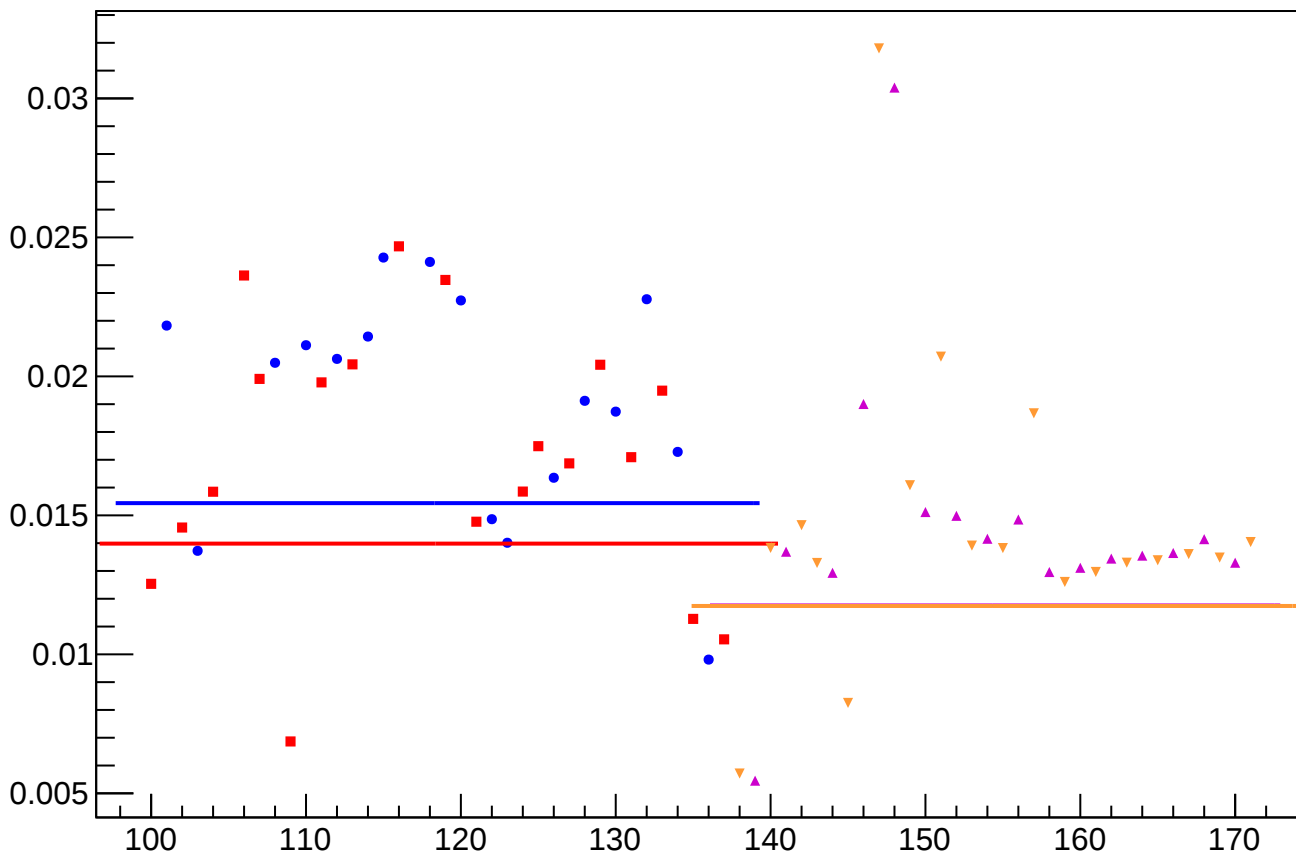
Left In: 0.026+/-0.000 χ^2/NDF : 77712644839.7/15

+ sign -0.037+/-0.000 χ^2/NDF : 78900408859.1/34

All: 0.012+/-0.000 χ^2/NDF : 170099137567.5

- sign 0.061+/-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 : 3013548.8/17

Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

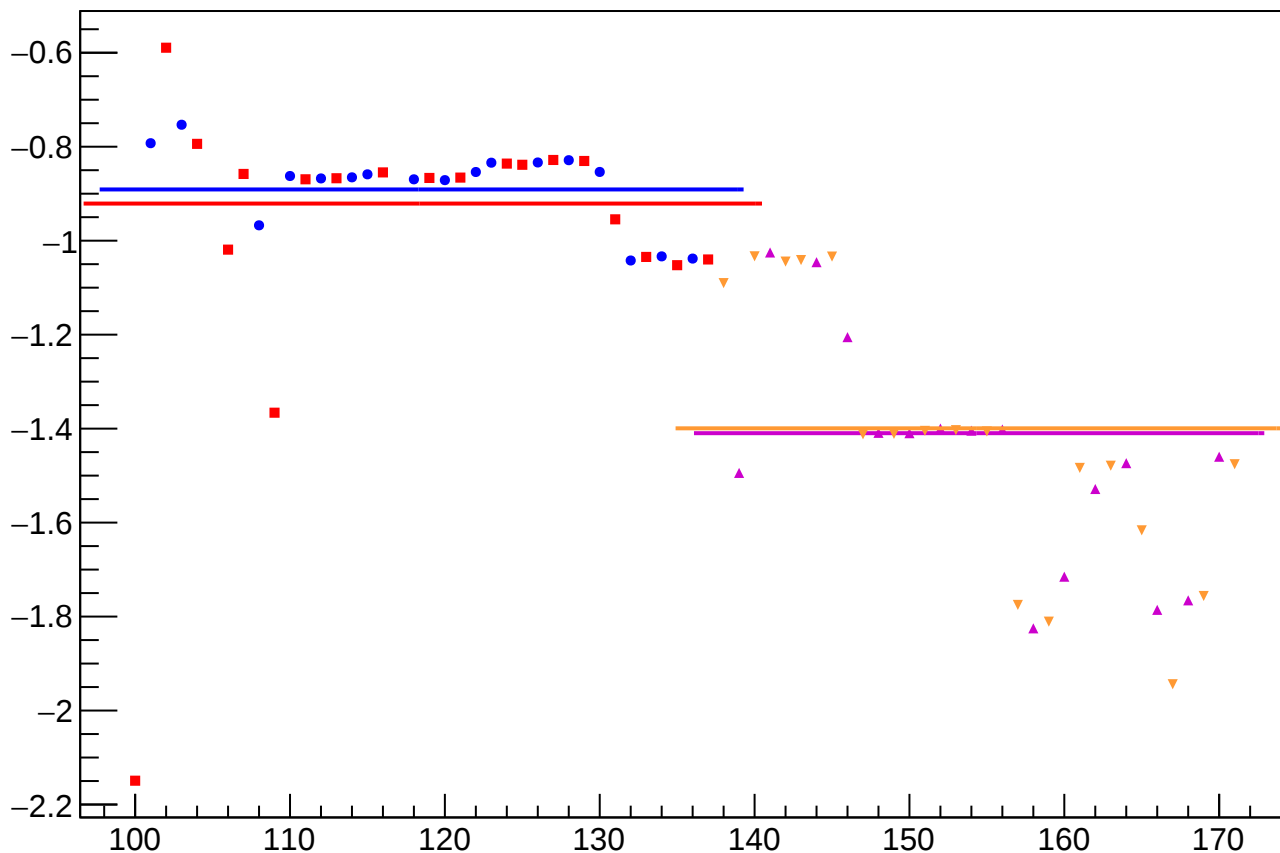
Left In: 0.012+/-0.000 χ^2/NDF : 2938870.1/15

+ sign 0.013+/-0.000 χ^2/NDF : 4678014.6/34

All: 0.012+/-0.000 χ^2/NDF : 9387685.3/69

- 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: -1.399 ± 0.000 χ^2/NDF : 717958378.4/17

Right Out: -0.921 ± 0.000 χ^2/NDF : 131183059.9/18

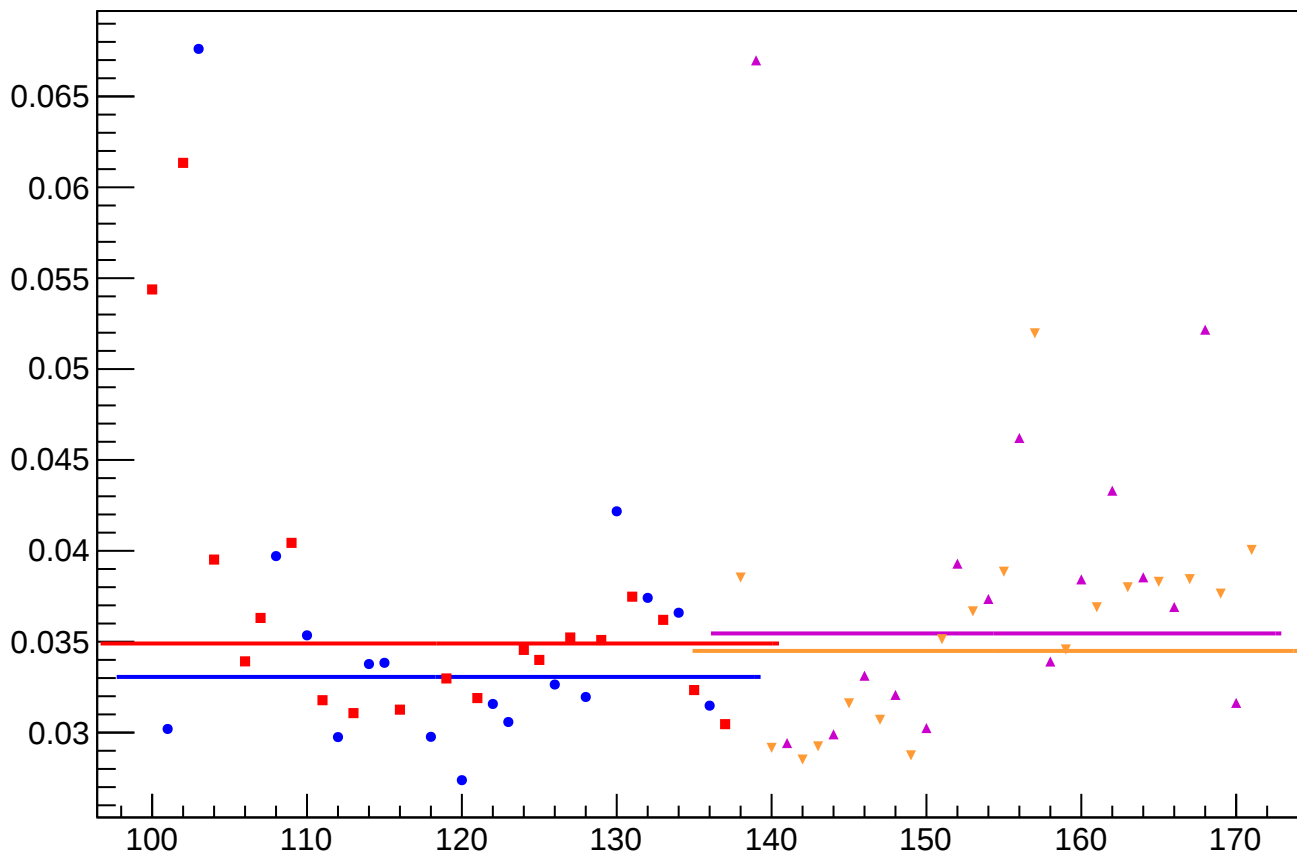
Left In: -1.410 ± 0.000 χ^2/NDF : 511069871.0/15

+ sign -1.218 ± 0.000 χ^2/NDF : 1651391061.6/34

All: -1.223 ± 0.000 χ^2/NDF : 3055407290.8/6

- 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:448505.1/17

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 274270.8/18

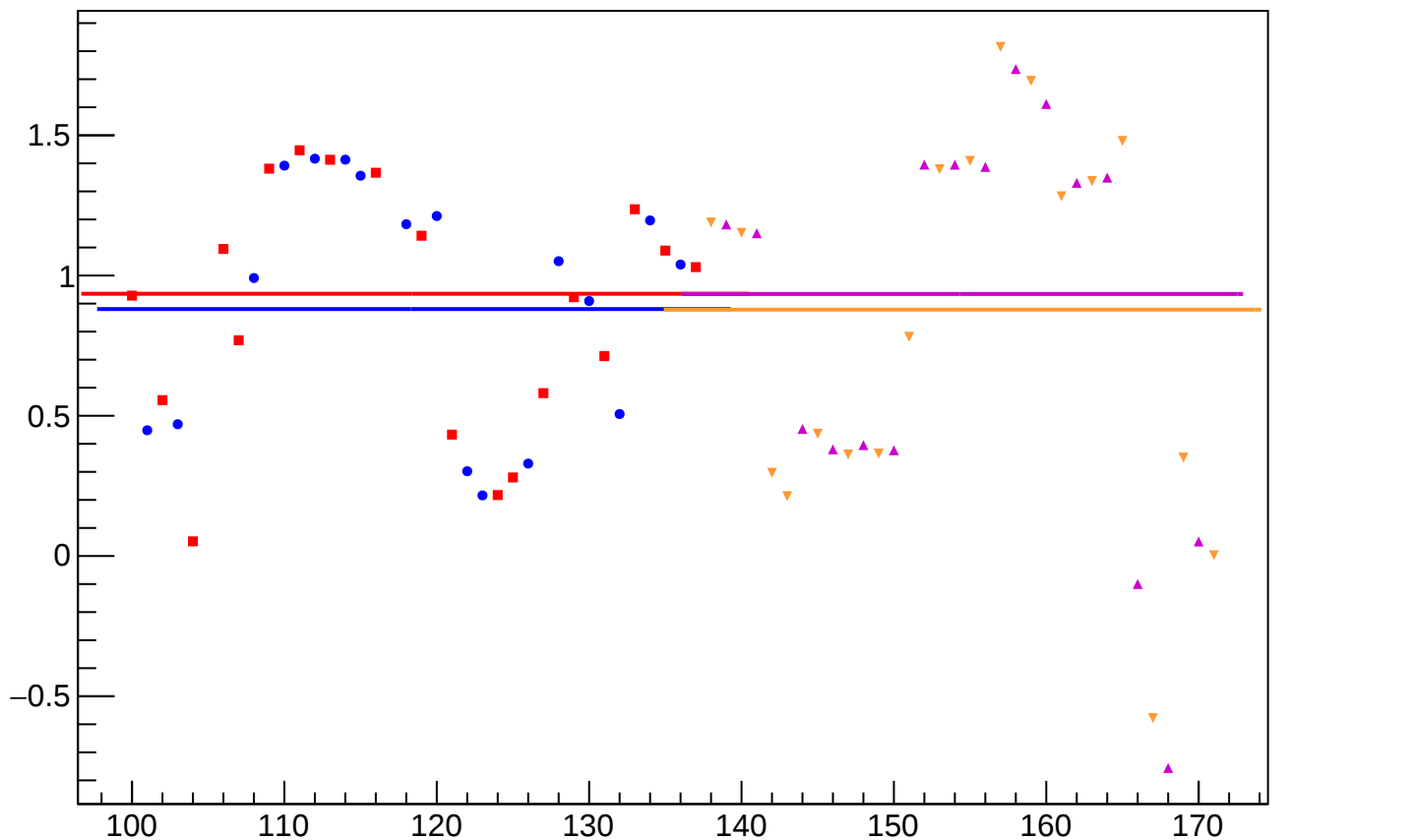
Left In: 0.035 $\pm$ 0.000 χ^2 /NDF:808740.5/15

+ sign 0.034 $\pm$ 0.000 χ^2 /NDF: 871947.8/34

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 1979958.8/69

- 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: 0.878+/-0.000 χ^2/NDF : 63381596675.1/17

Right Out: 0.935+/-0.000 χ^2/NDF : 9833525935.6/18

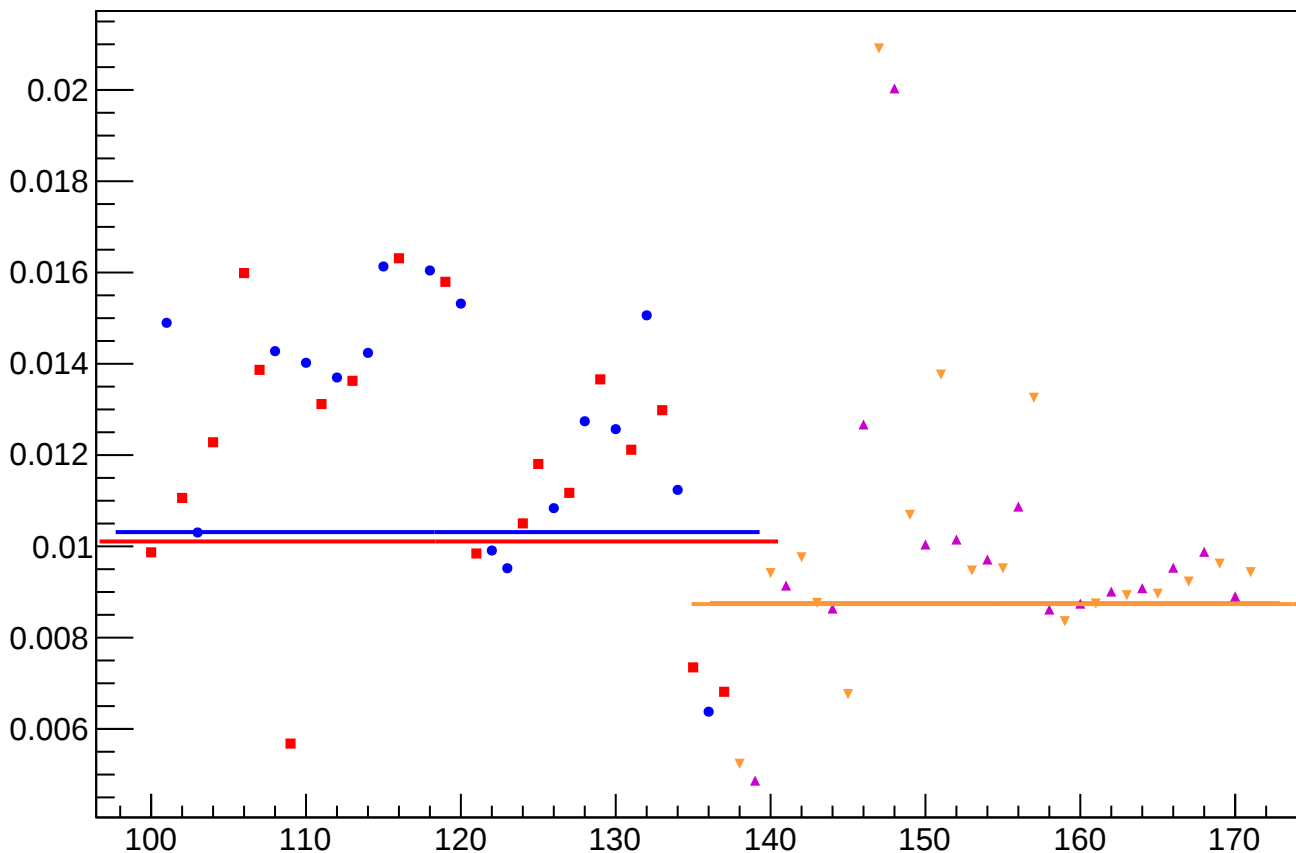
Left In: 0.934+/-0.000 χ^2/NDF : 65037036554.1/15

+ sign 0.879+/-0.000 χ^2/NDF : 69781875651.3/34

All: 0.906+/-0.000 χ^2/NDF : 144970996479.1

- 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:1687537.0/17

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

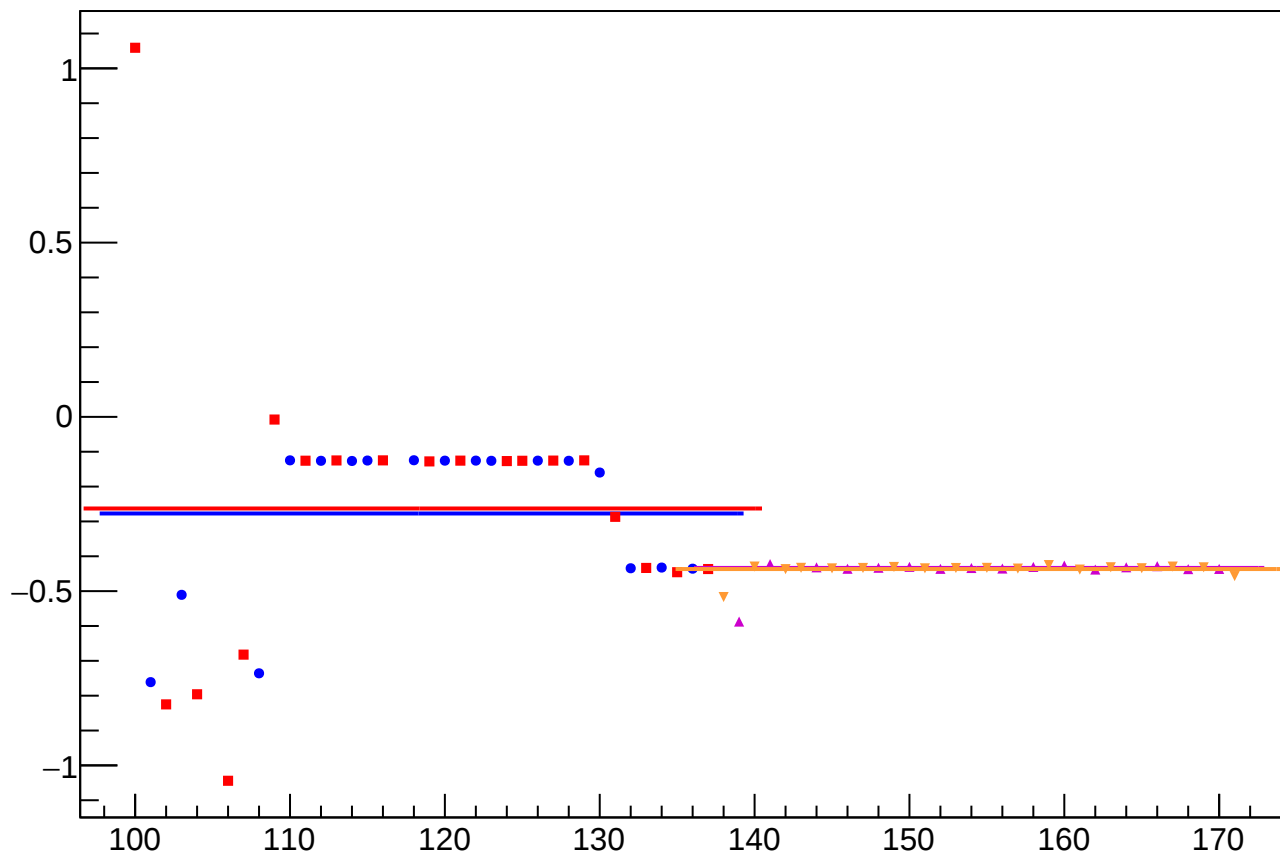
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1592384.6/15

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3115038.5/34

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6037746.8/69

- 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: -0.437 ± 0.000 χ^2/NDF : 28633177.0/17

Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

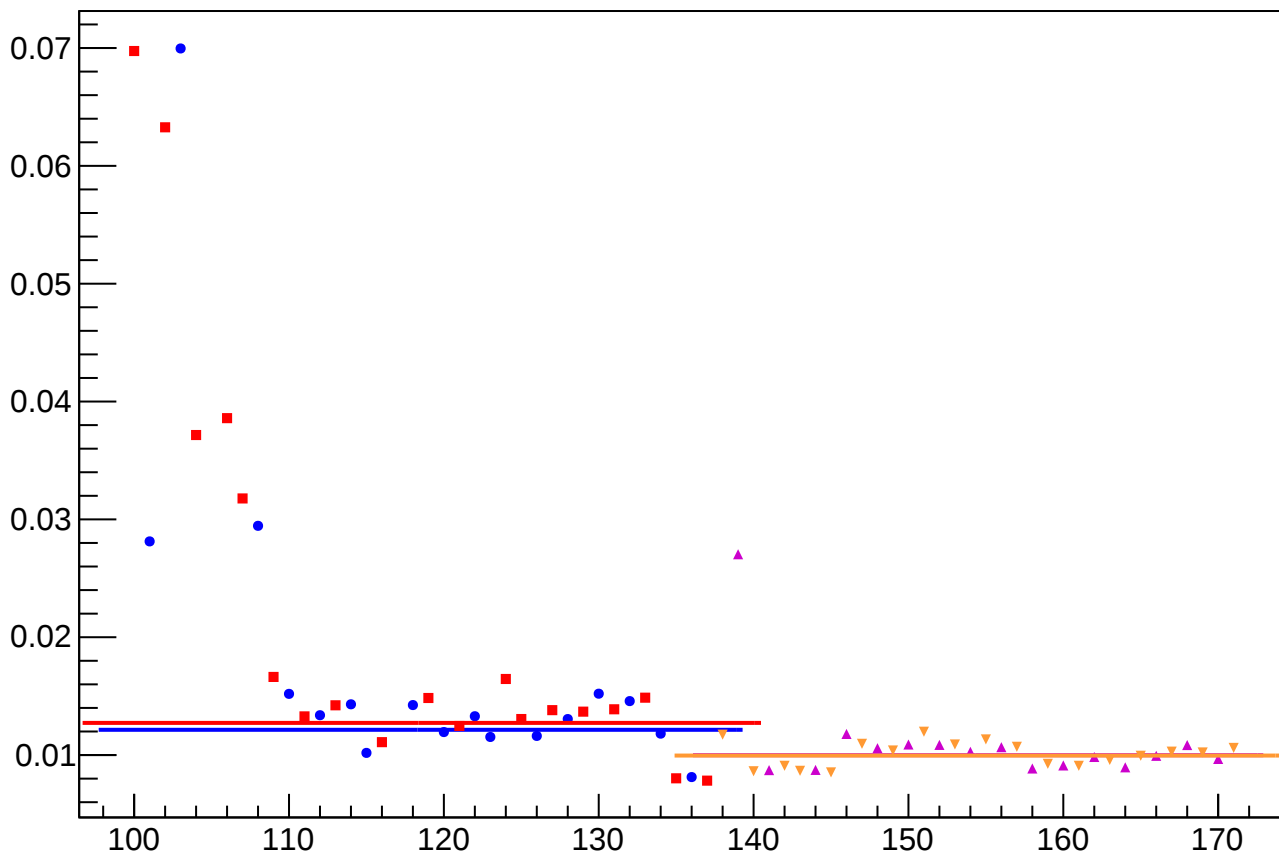
Left In: -0.433 ± 0.000 χ^2/NDF : 23627998.8/15

+ sign -0.402 ± 0.000 χ^2/NDF : 1603456818.9/34

All: -0.399 ± 0.000 χ^2/NDF : 3313830554.0/6

- 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:233011.0/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1969165.0/18

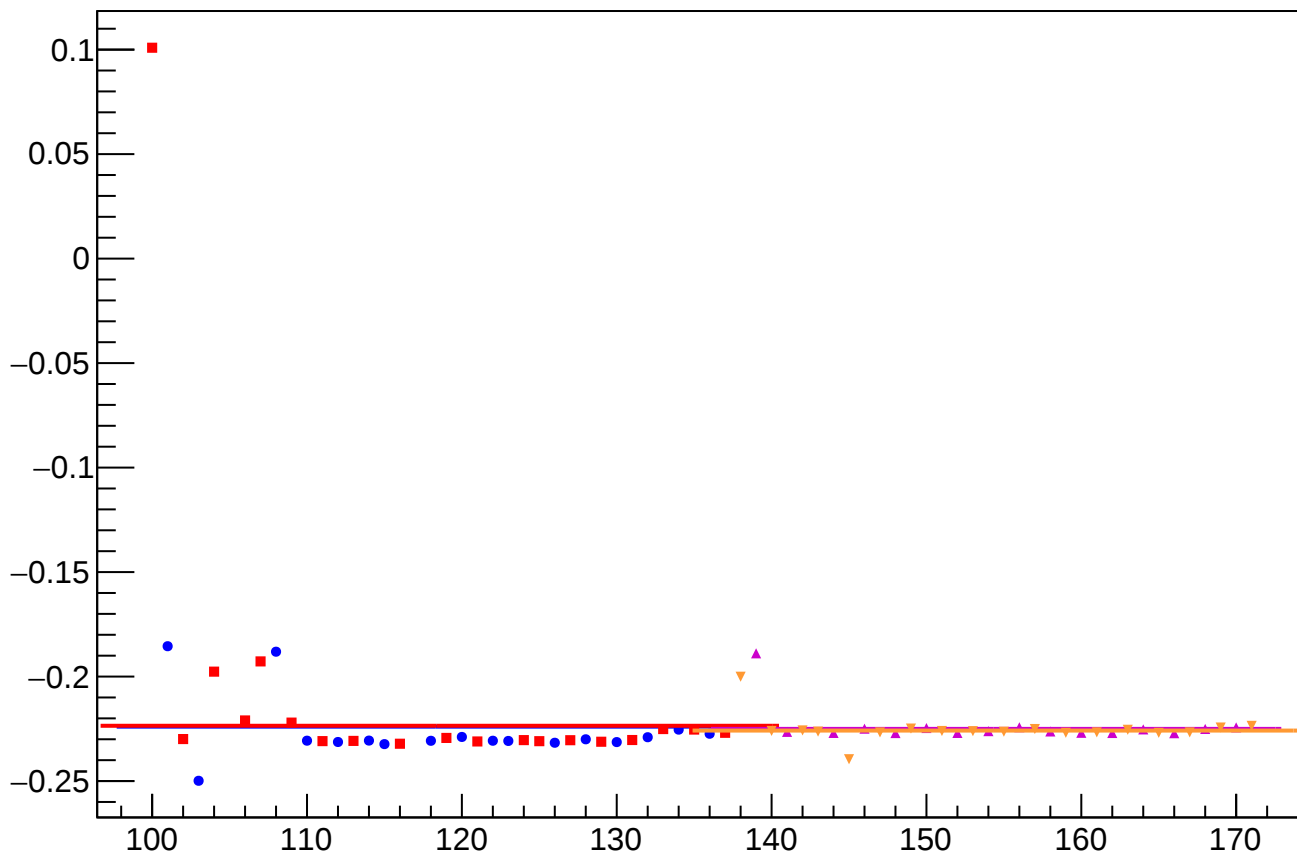
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:704932.7/15

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2198774.9/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5225402.3/69

- 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 : 20834147.5/17

Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

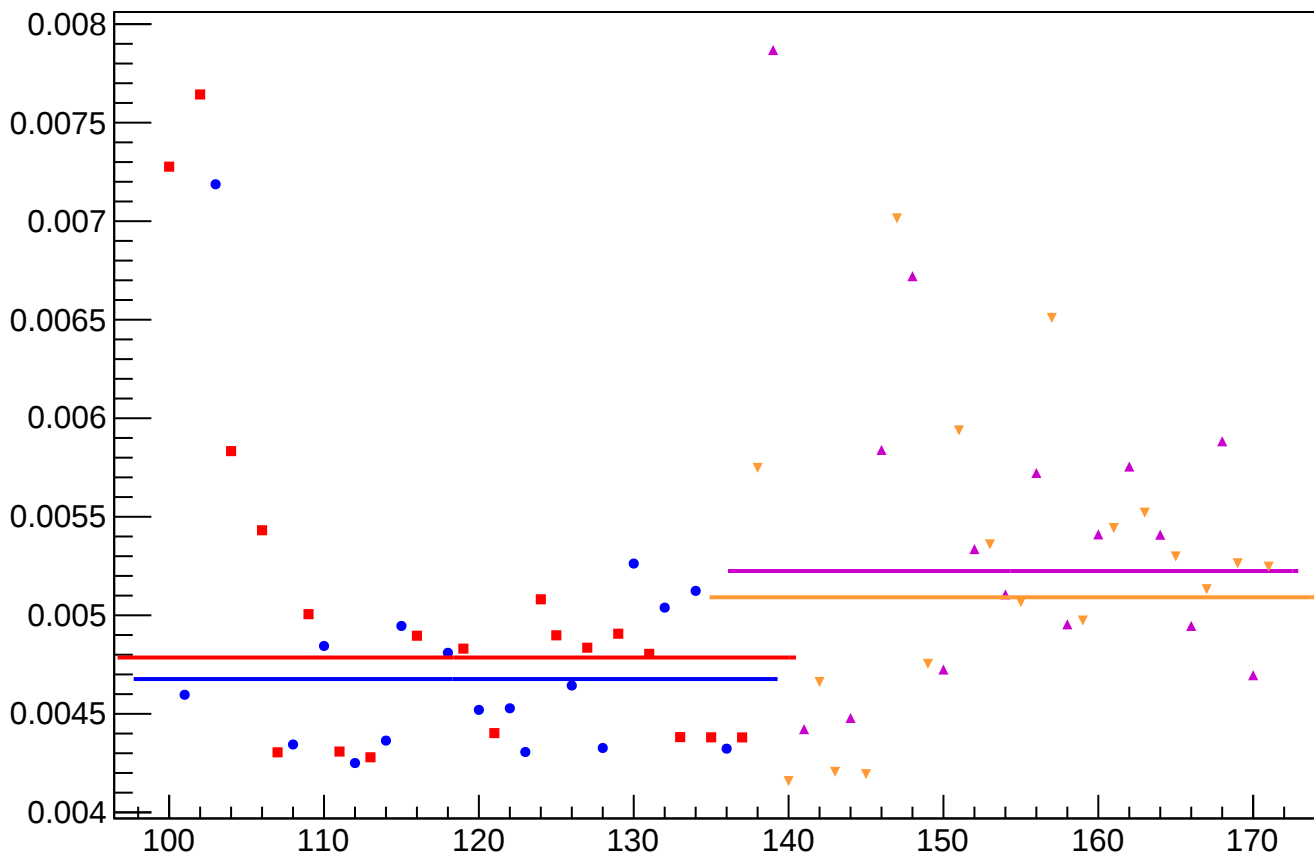
Left In: -0.225+/-0.000 χ^2/NDF : 14355941.3/15

+ sign -0.225+/-0.000 χ^2/NDF : 96168631.0/34

All: -0.225+/-0.000 χ^2/NDF : 279205517.3/69

- sign -0.224+/-0.000 χ^2/NDF : 182855758.4/34

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 : 451092.8/17

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

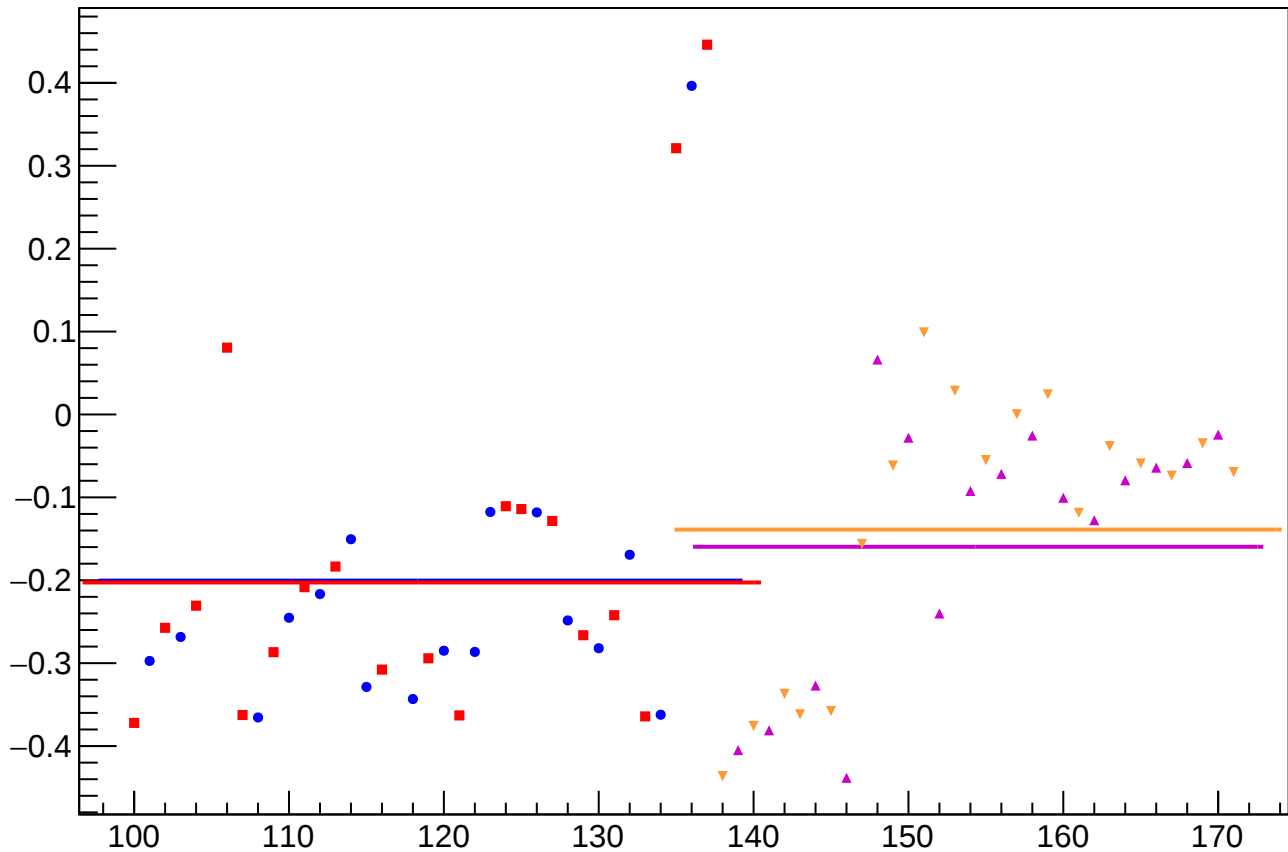
Left In: 0.005+/-0.000 χ^2/NDF : 425722.6/15

+ sign 0.005+/-0.000 χ^2/NDF : 692844.4/34

All: 0.005+/-0.000 χ^2/NDF : 1440819.4/69

- 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: -0.139+/-0.000 χ^2/NDF : 11627581915.9/17

Right Out: -0.203+/-0.000 χ^2/NDF : 5028268807.1/18

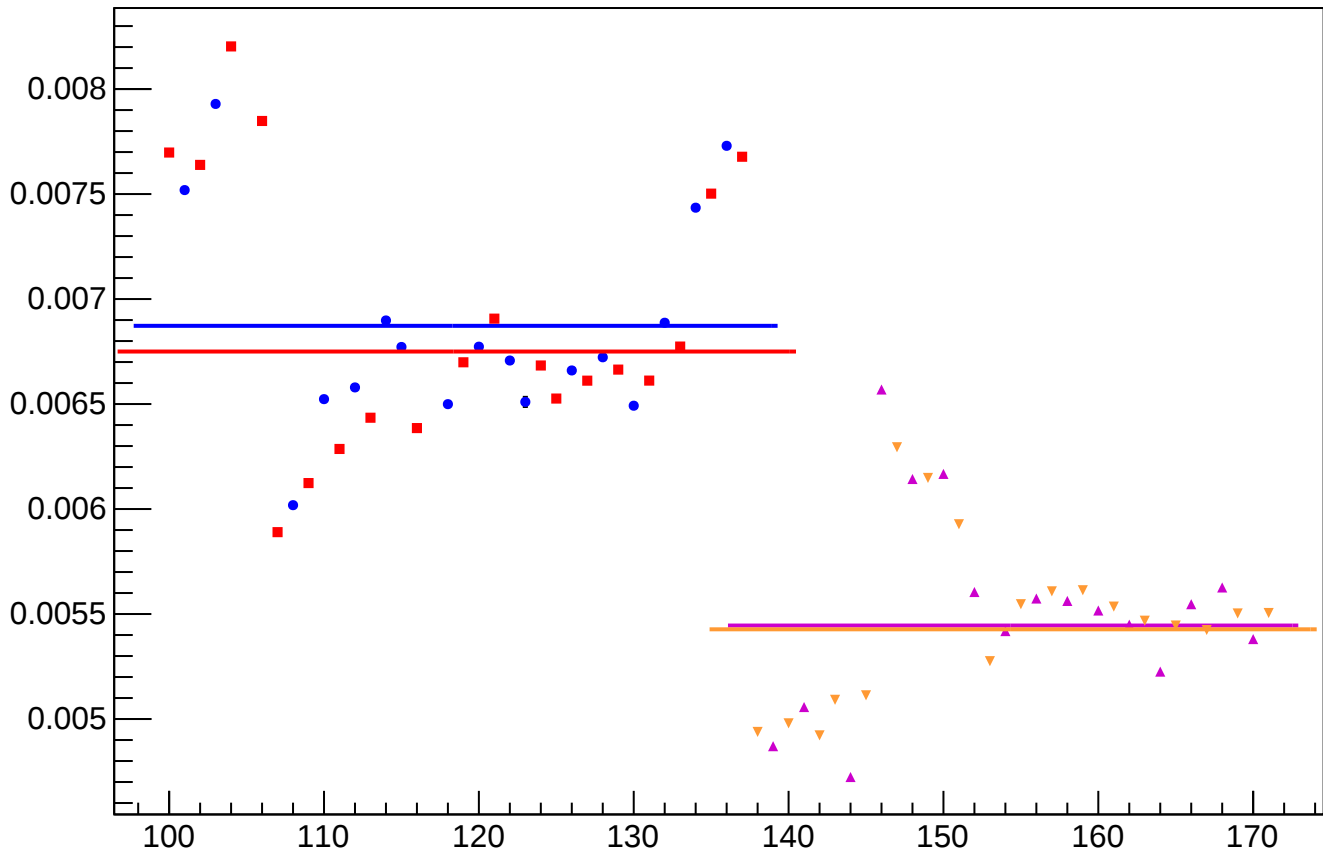
Left In: -0.160+/-0.000 χ^2/NDF : 8759940021.3/15

+ sign -0.154+/-0.000 χ^2/NDF : 17998663058.1/34

All: -0.163+/-0.000 χ^2/NDF : 32074999153.3/34

- 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:106254.9/17

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 105124.4/18

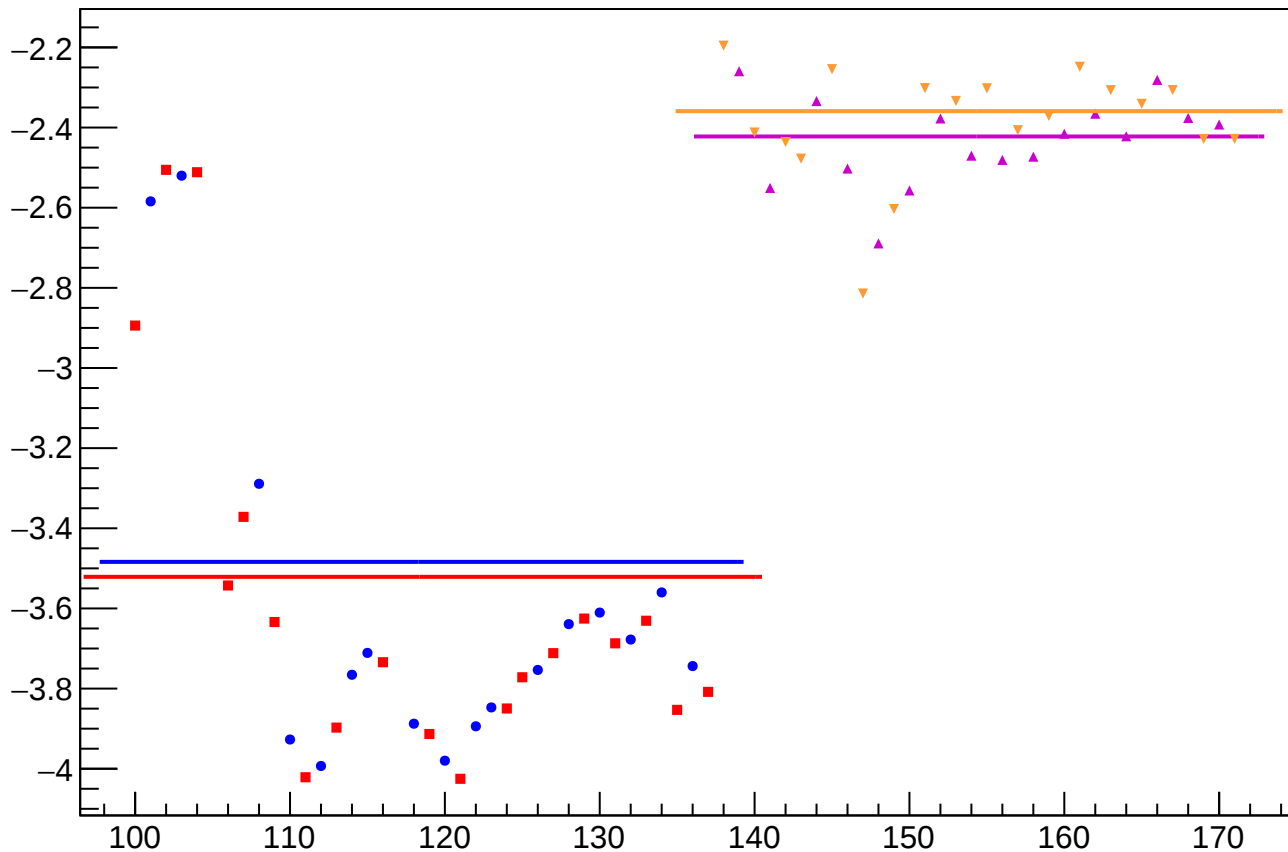
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:148200.1/15

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 623306.1/34

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1248172.3/69

- 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: -2.359+/-0.000 χ^2/NDF : 1793326872.8/17

Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

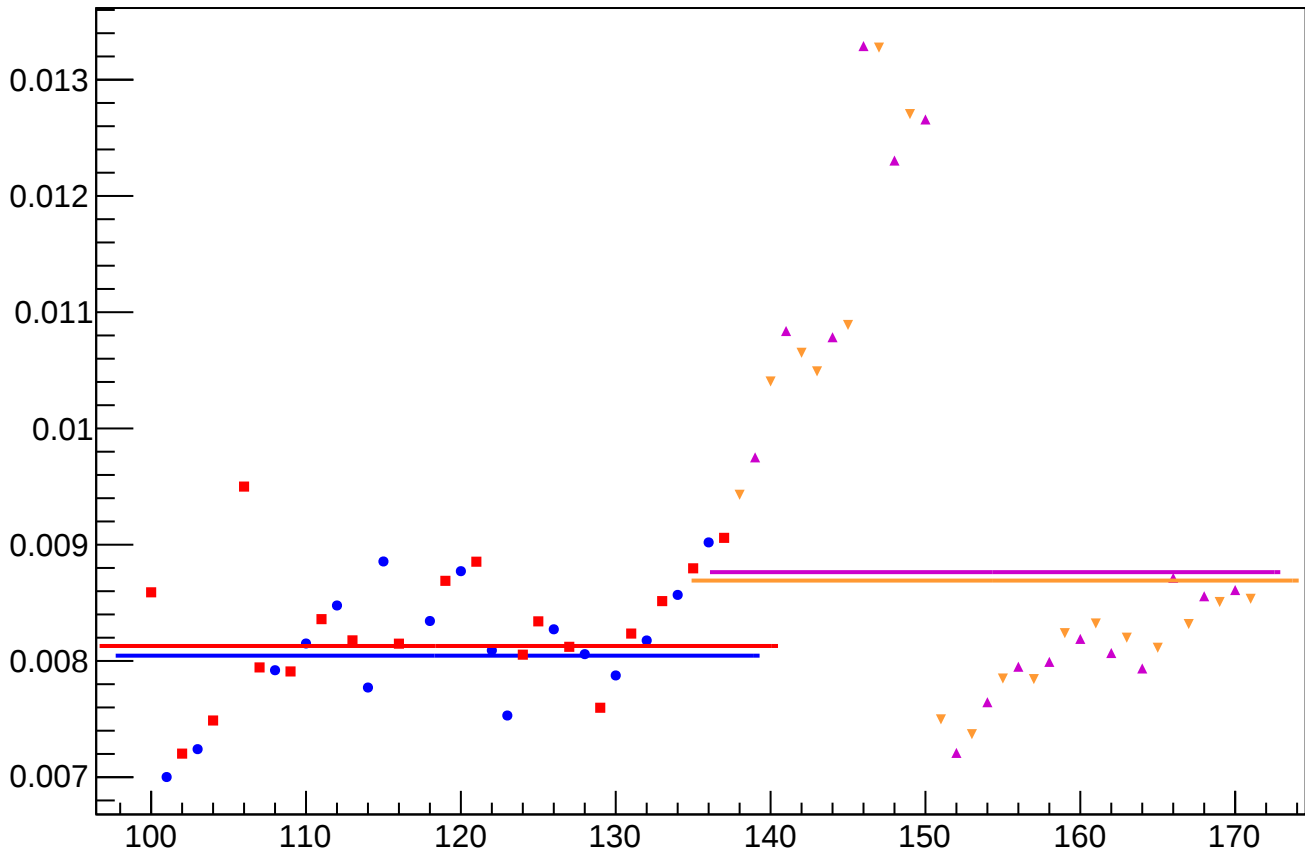
Left In: -2.422+/-0.000 χ^2/NDF : 1135964396.7/15

+ sign -2.787+/-0.000 χ^2/NDF : 107800542176.1/34

All: -2.827+/-0.000 χ^2/NDF : 209661062086.2

- sign -2.870+/-0.000 χ^2/NDF : 100965592315.1/34

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 71989.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 594546.3/17

Right Out: 0.008+/-0.000 χ^2/NDF : 57478.2/18

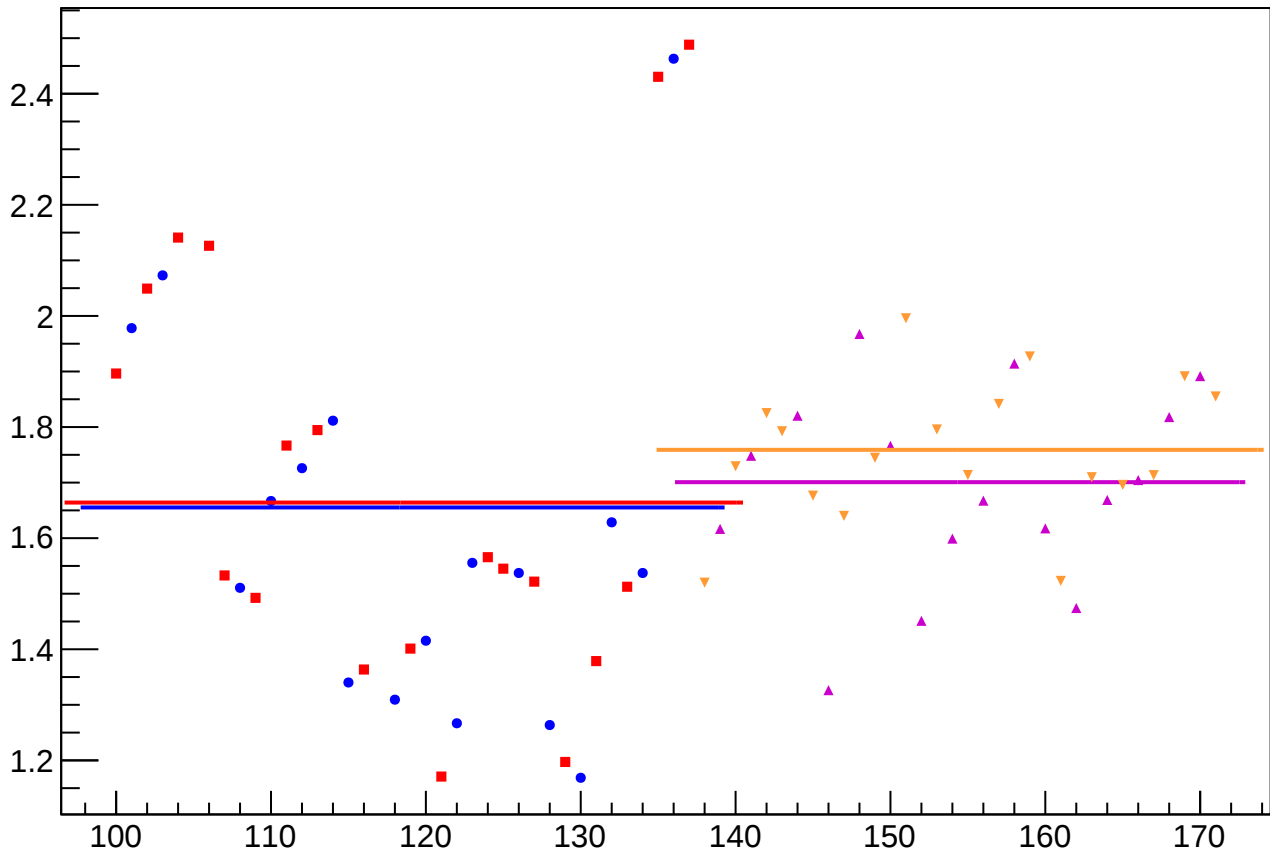
Left In: 0.009+/-0.000 χ^2/NDF : 700465.3/15

+ sign 0.008+/-0.000 χ^2/NDF : 718563.6/34

All: 0.008+/-0.000 χ^2/NDF : 1526426.1/69

- sign 0.009+/-0.000 χ^2/NDF : 806956.5/34

yield_bpm0i02aX_mean vs Slug



Right In: 1.655 $\pm$ 0.000 χ^2 /NDF: 6476474909.3/16

Left Out: 1.759 $\pm$ 0.000 χ^2 /NDF: 1751837573.8/17

Right Out: 1.664 $\pm$ 0.000 χ^2 /NDF: 5944262279.7/18

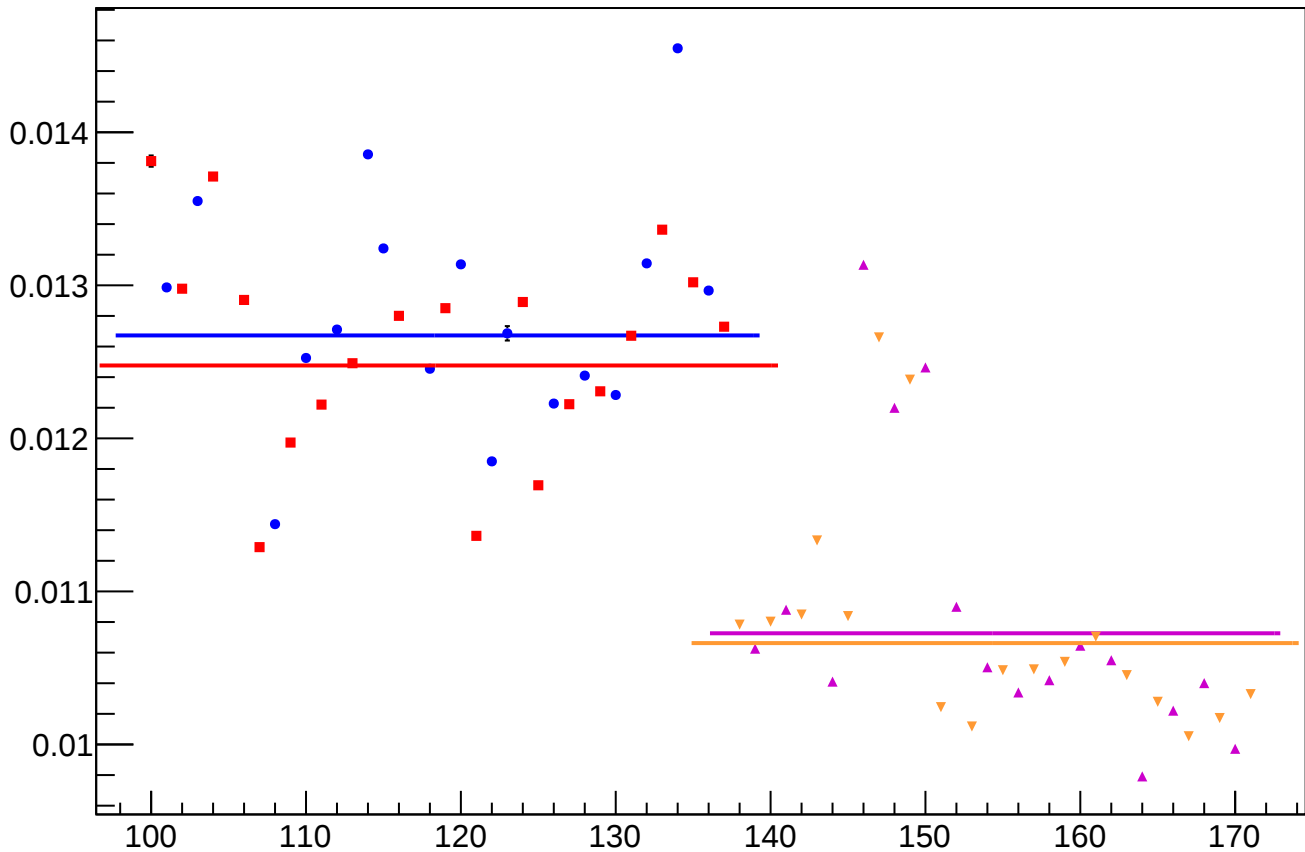
Left In: 1.701 $\pm$ 0.000 χ^2 /NDF: 2705957063.5/15

+ sign 1.731 $\pm$ 0.000 χ^2 /NDF: 8551073964.0/34

All: 1.711 $\pm$ 0.000 χ^2 /NDF: 17373504990.6/6

- sign 1.690 $\pm$ 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 : 90986.7/17

Right Out: 0.012+/-0.000 χ^2/NDF : 39134.8/18

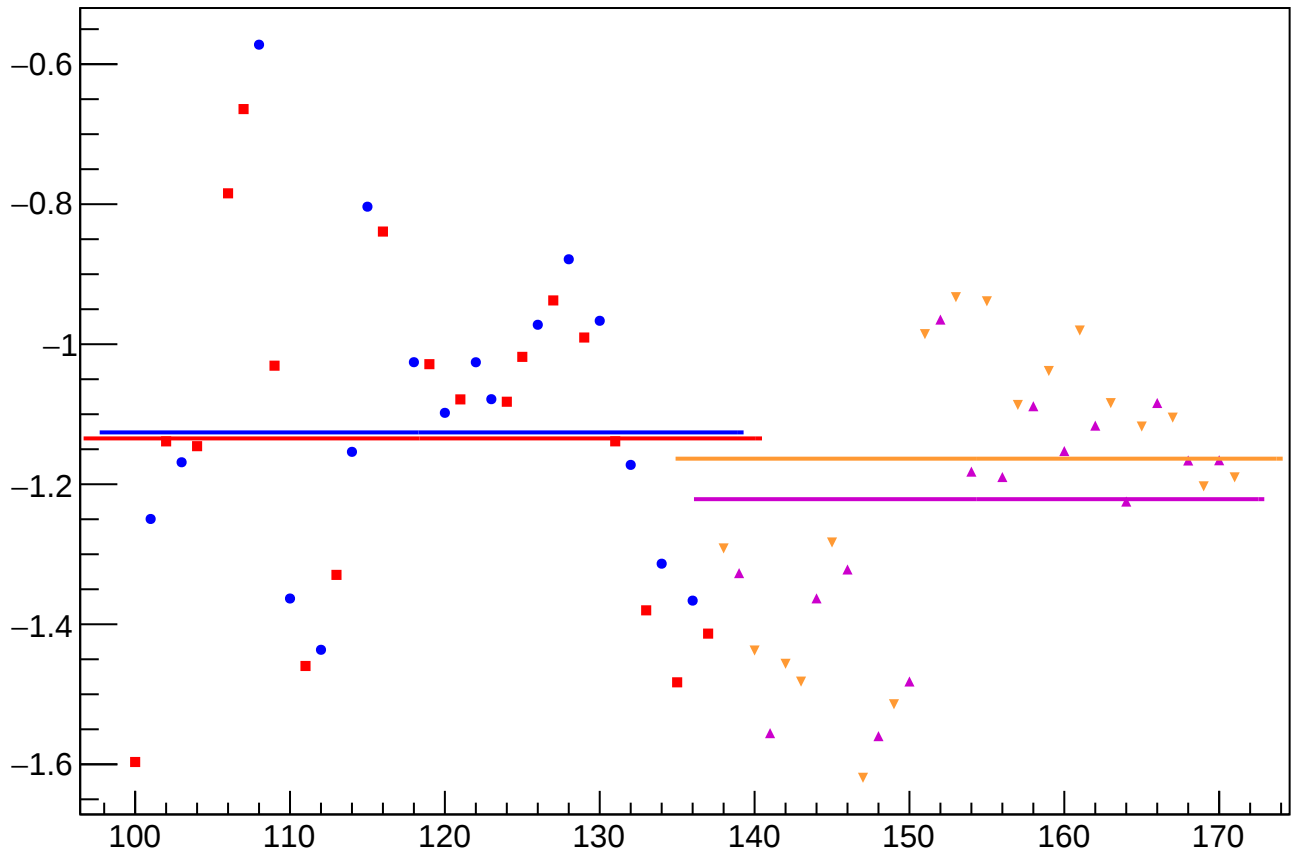
Left In: 0.011+/-0.000 χ^2/NDF : 129408.8/15

+ sign 0.011+/-0.000 χ^2/NDF : 365159.8/34

All: 0.011+/-0.000 χ^2/NDF : 723570.2/69

- 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: -1.163+/-0.000 χ^2/NDF : 7124013915.8/17

Right Out: -1.135+/-0.000 χ^2/NDF : 3677461023.4/18

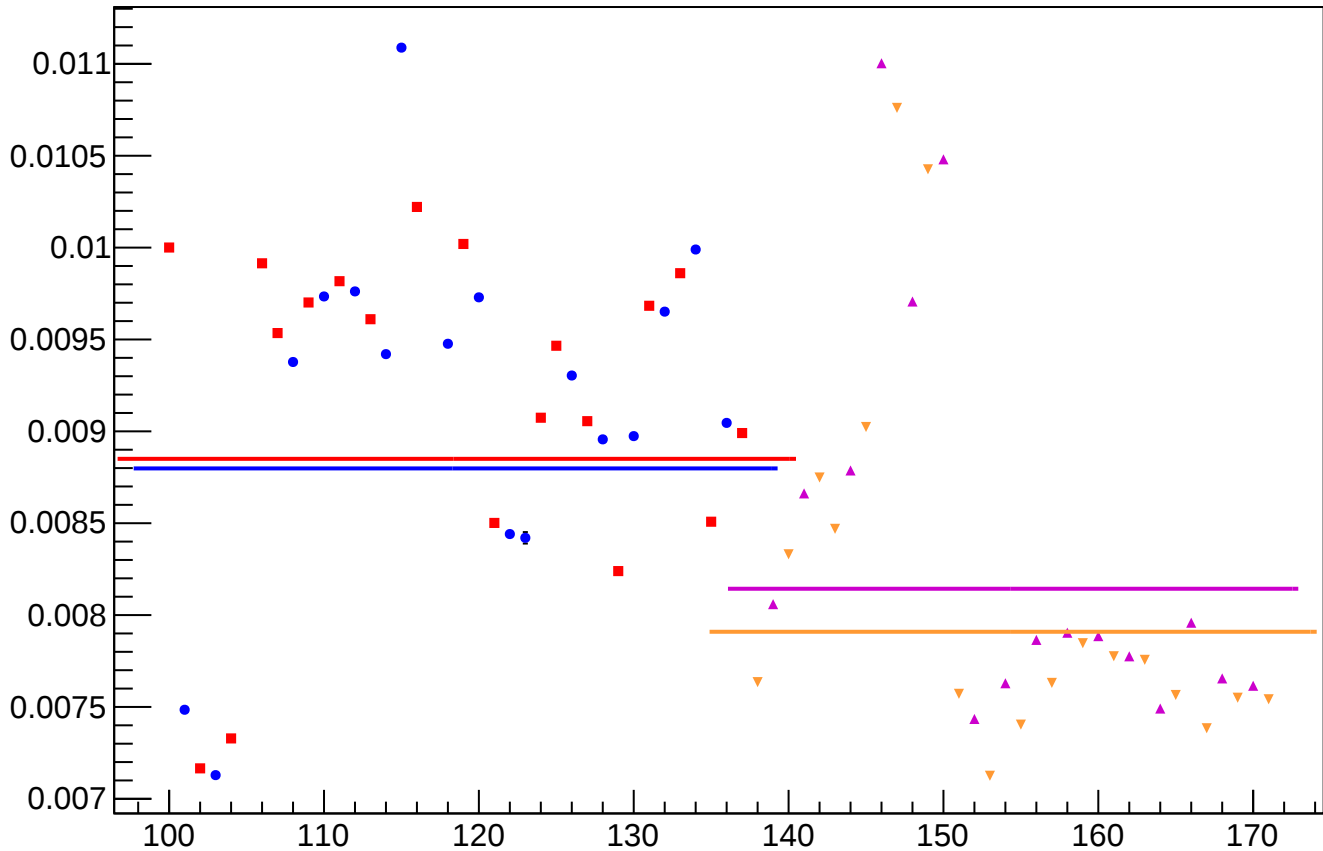
Left In: -1.221+/-0.000 χ^2/NDF : 4502497015.2/15

+ sign -1.152+/-0.000 χ^2/NDF : 10780571562.0/34

All: -1.172+/-0.000 χ^2/NDF : 19609269313.7/34

- sign -1.193+/-0.000 χ^2/NDF : 8608017705.2/34

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.008+/-0.000 χ^2/NDF : 252412.3/17

Right Out: 0.009+/-0.000 χ^2/NDF : 173958.0/18

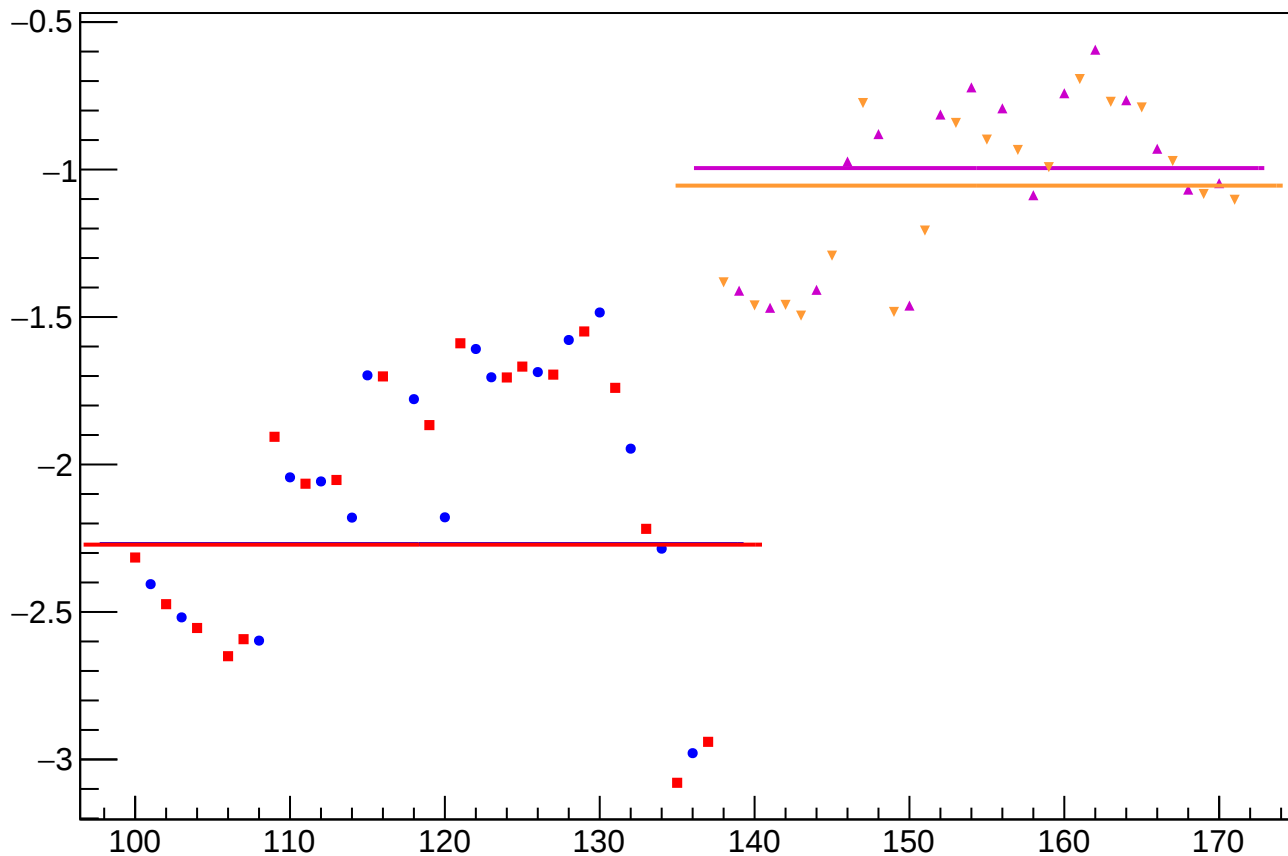
Left In: 0.008+/-0.000 χ^2/NDF : 259126.0/15

+ sign 0.008+/-0.000 χ^2/NDF : 495872.7/34

All: 0.008+/-0.000 χ^2/NDF : 996936.8/69

- sign 0.008+/-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: -1.054+/-0.000 χ^2/NDF : 17611071746.6/17

Right Out: -2.272+/-0.000 χ^2/NDF : 19009331715.4/18

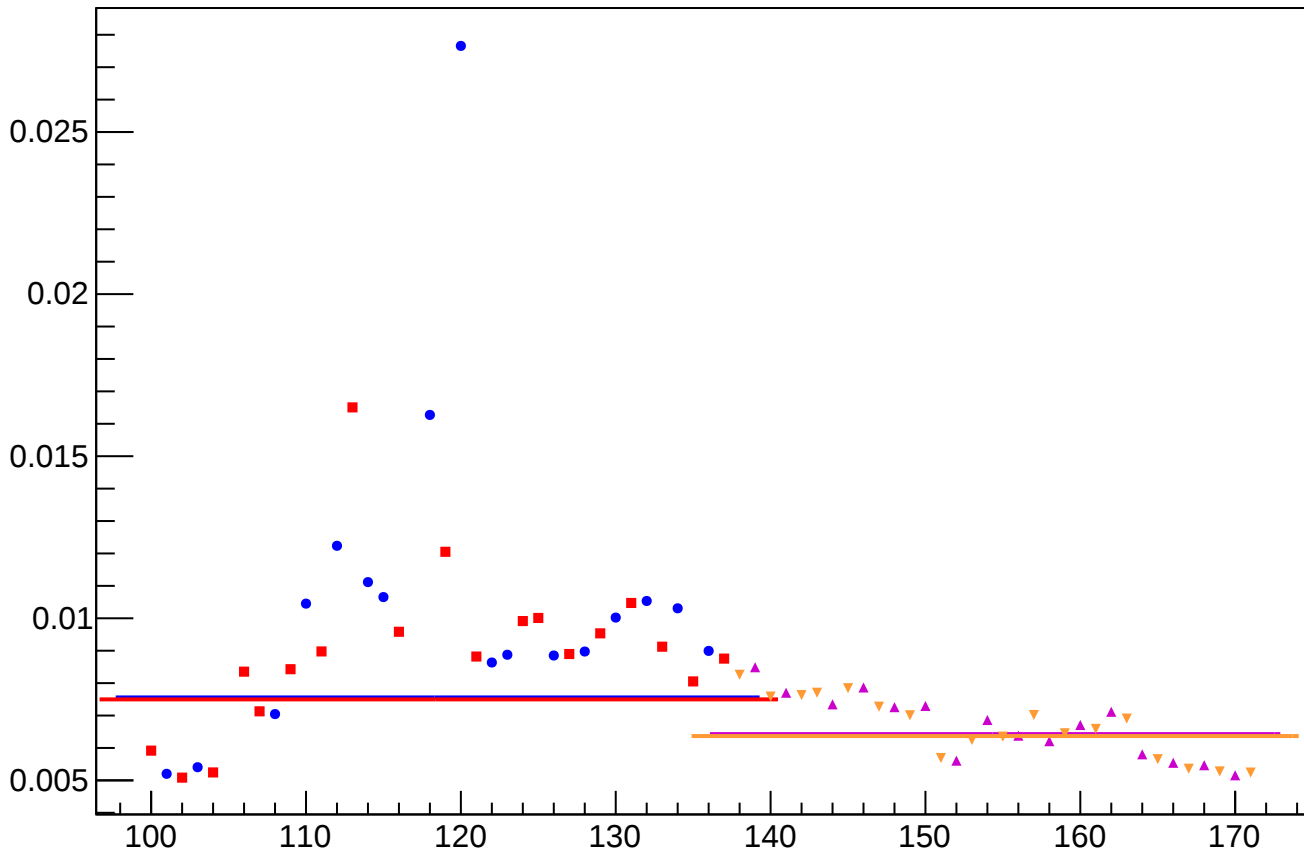
Left In: -0.995+/-0.000 χ^2/NDF : 18012412919.1/15

+ sign -1.331+/-0.000 χ^2/NDF : 135495616594.2/34

All: -1.332+/-0.000 χ^2/NDF : 291731303906.7

- sign -1.334+/-0.000 χ^2/NDF : 156234303923.3/34

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.006+/-0.000 χ^2/NDF : 497535.1/17

Right Out: 0.007+/-0.000 χ^2/NDF : 933998.1/18

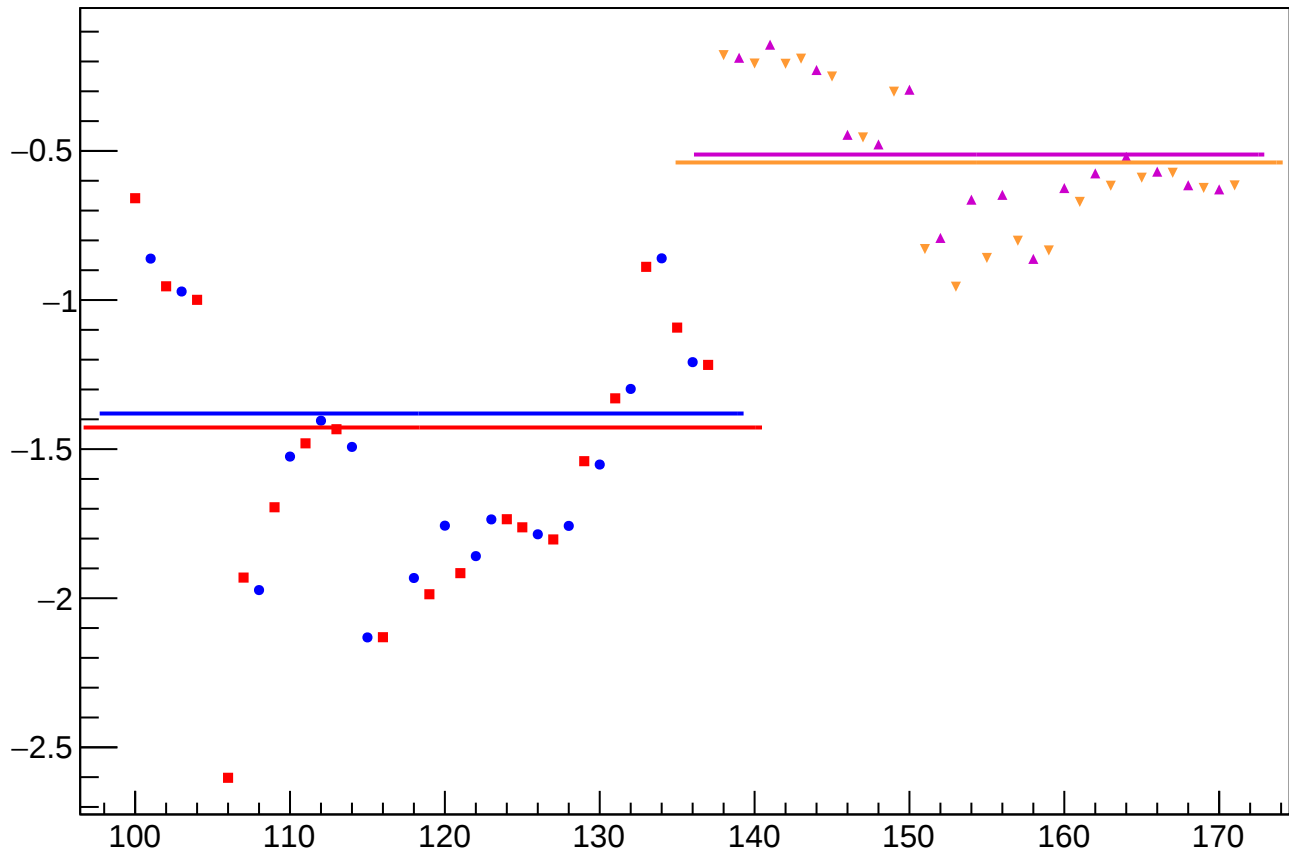
Left In: 0.006+/-0.000 χ^2/NDF : 475255.3/15

+ sign 0.007+/-0.000 χ^2/NDF : 1911627.9/34

All: 0.007+/-0.000 χ^2/NDF : 3490872.0/69

- sign 0.007+/-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: -0.539+/-0.000 χ^2/NDF : 45312322362.3/17

Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

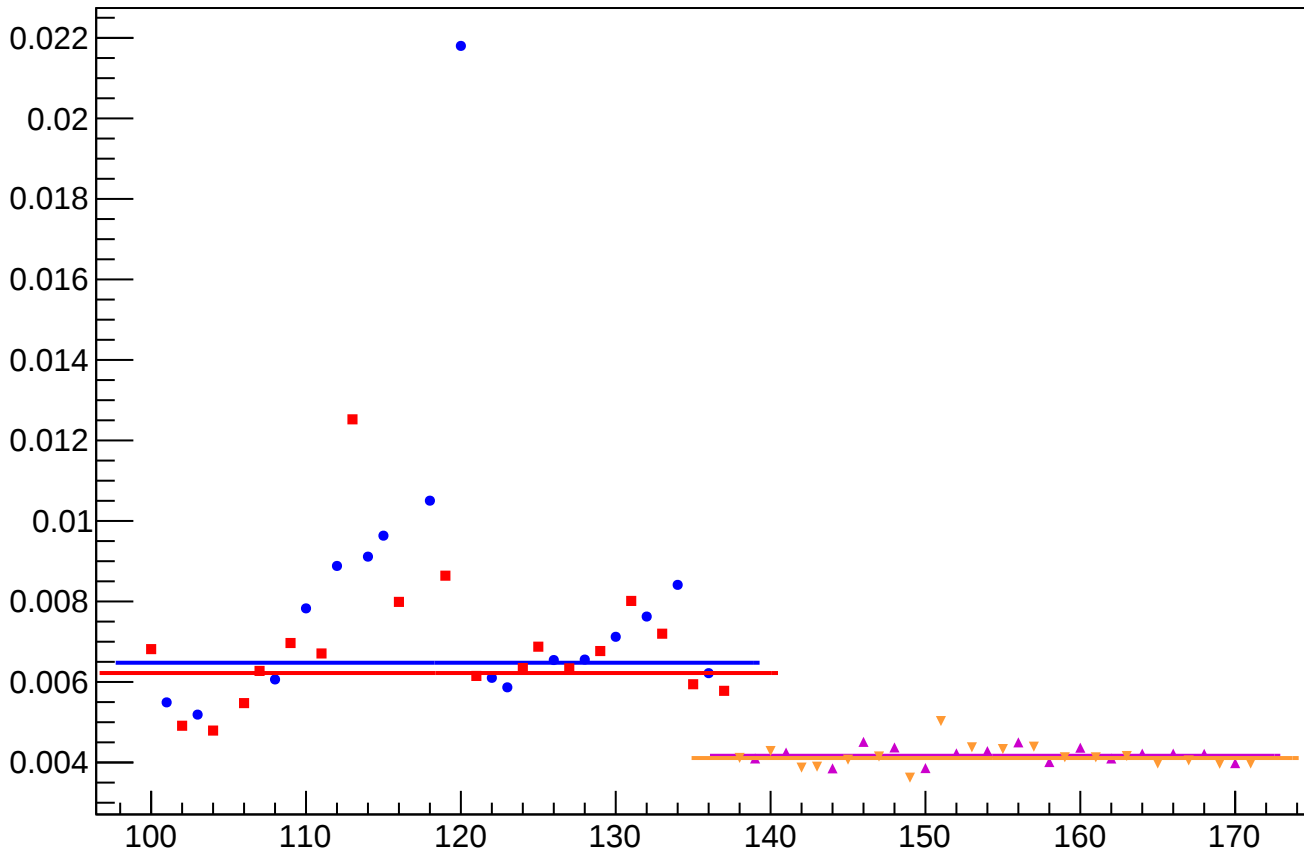
Left In: -0.512+/-0.000 χ^2/NDF : 29520335238.2/15

+ sign -0.667+/-0.000 χ^2/NDF : 143309173871.4/34

All: -0.675+/-0.000 χ^2/NDF : 305907841956.4

- 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 : 94288.7/17

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

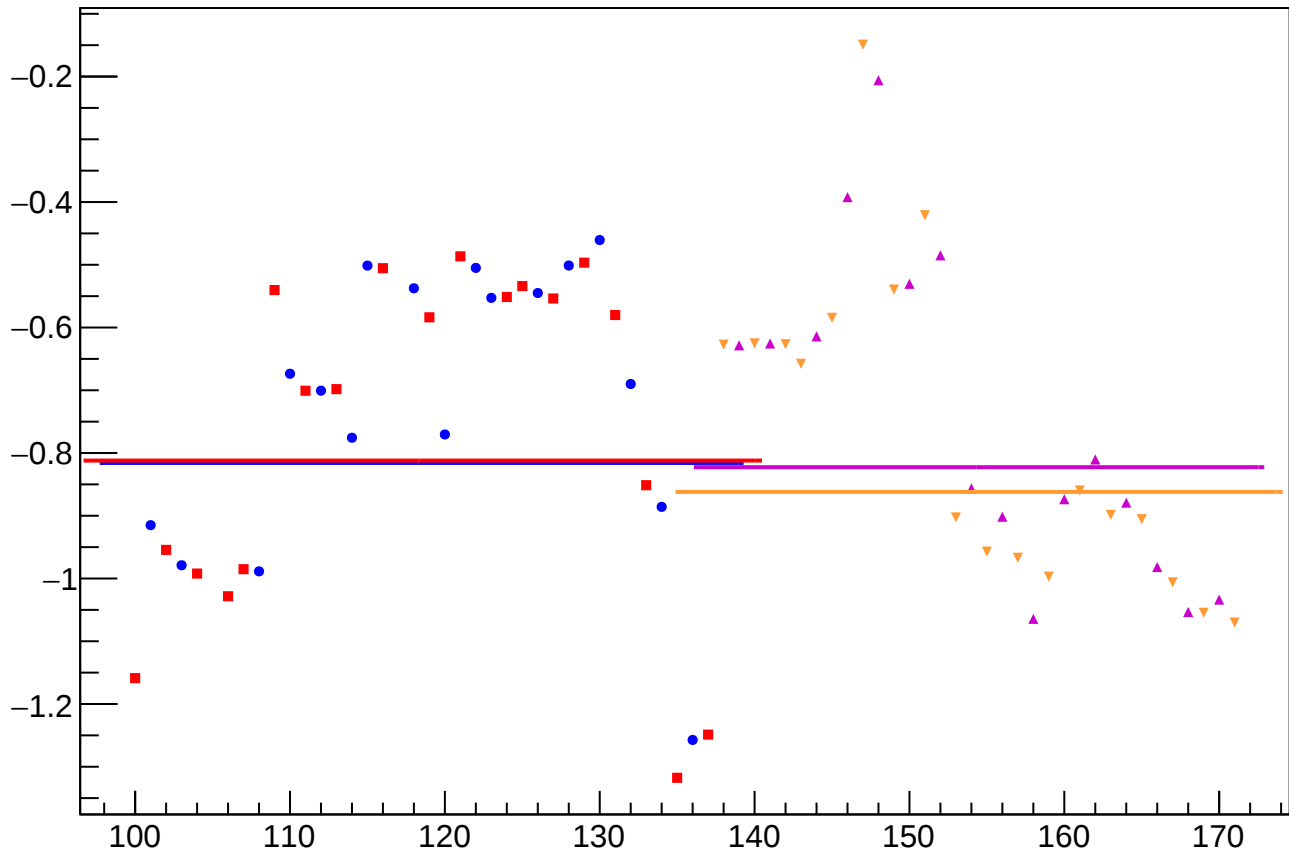
Left In: 0.004+/-0.000 χ^2/NDF : 50371.8/15

+ sign 0.004+/-0.000 χ^2/NDF : 1900667.8/34

All: 0.005+/-0.000 χ^2/NDF : 3422295.2/69

- 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: -0.862+/-0.000 χ^2/NDF : 37154856623.2/17

Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

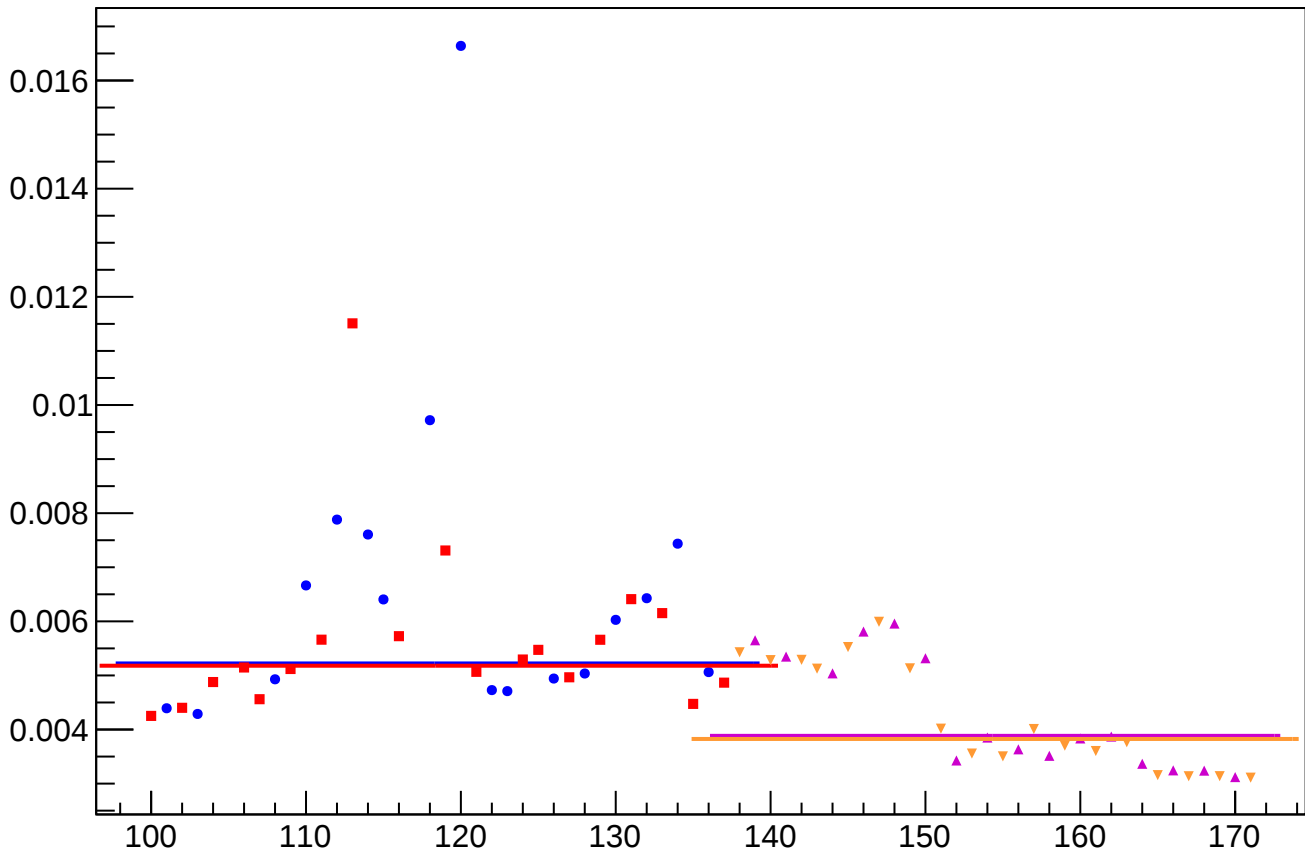
Left In: -0.823+/-0.000 χ^2/NDF : 38177927210.0/15

+ sign -0.853+/-0.000 χ^2/NDF : 51663164265.7/34

All: -0.837+/-0.000 χ^2/NDF : 107202639999.6

- sign -0.820+/-0.000 χ^2/NDF : 55012744906.8/34

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 664386.8/16

Left Out: 0.004+/-0.000 χ^2/NDF :1088298.9/17

Right Out: 0.005+/-0.000 χ^2/NDF : 363781.3/18

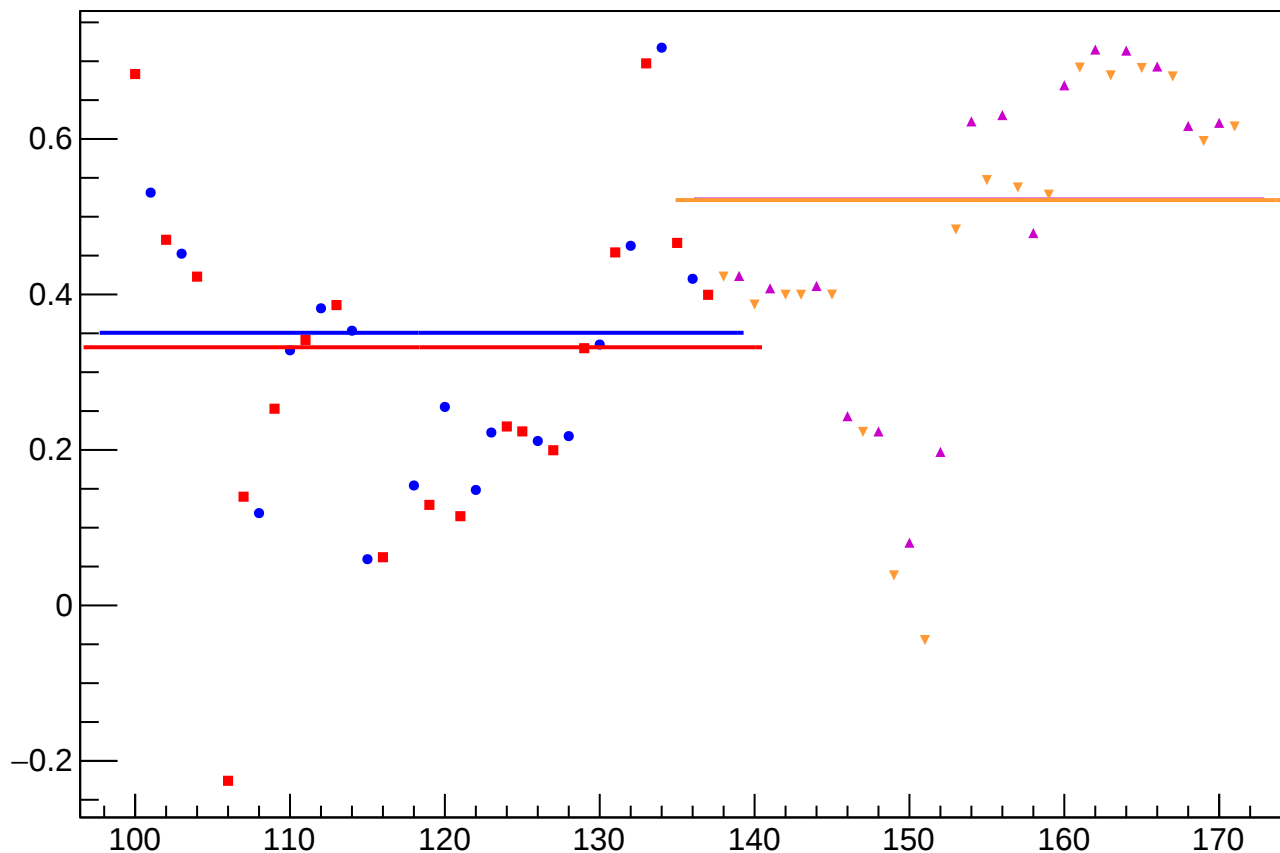
Left In: 0.004+/-0.000 χ^2/NDF :1056040.5/15

+ sign 0.004+/-0.000 χ^2/NDF : 2367593.2/34

All: 0.004+/-0.000 χ^2/NDF : 4366993.6/69

- sign 0.004+/-0.000 χ^2/NDF : 1992423.3/34

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.521+/-0.000 χ^2/NDF : 38623607652.5/17

Right Out: 0.332+/-0.000 χ^2/NDF : 11796213425.9/18

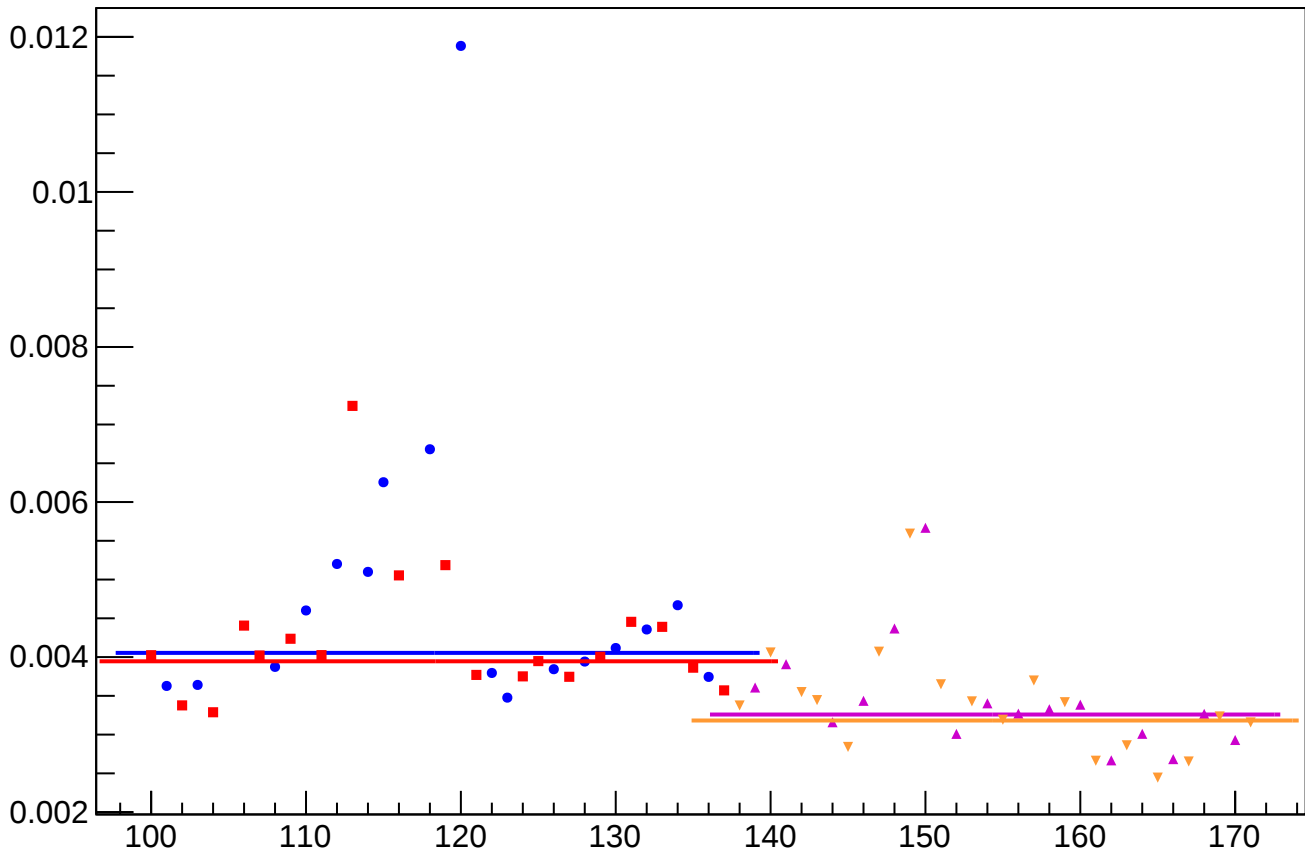
Left In: 0.522+/-0.000 χ^2/NDF : 35222607743.8/15

+ sign 0.482+/-0.000 χ^2/NDF : 53783184904.8/34

All: 0.476+/-0.000 χ^2/NDF : 111171463865.7

- sign 0.469+/-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: 708645.0/17

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 260968.0/18

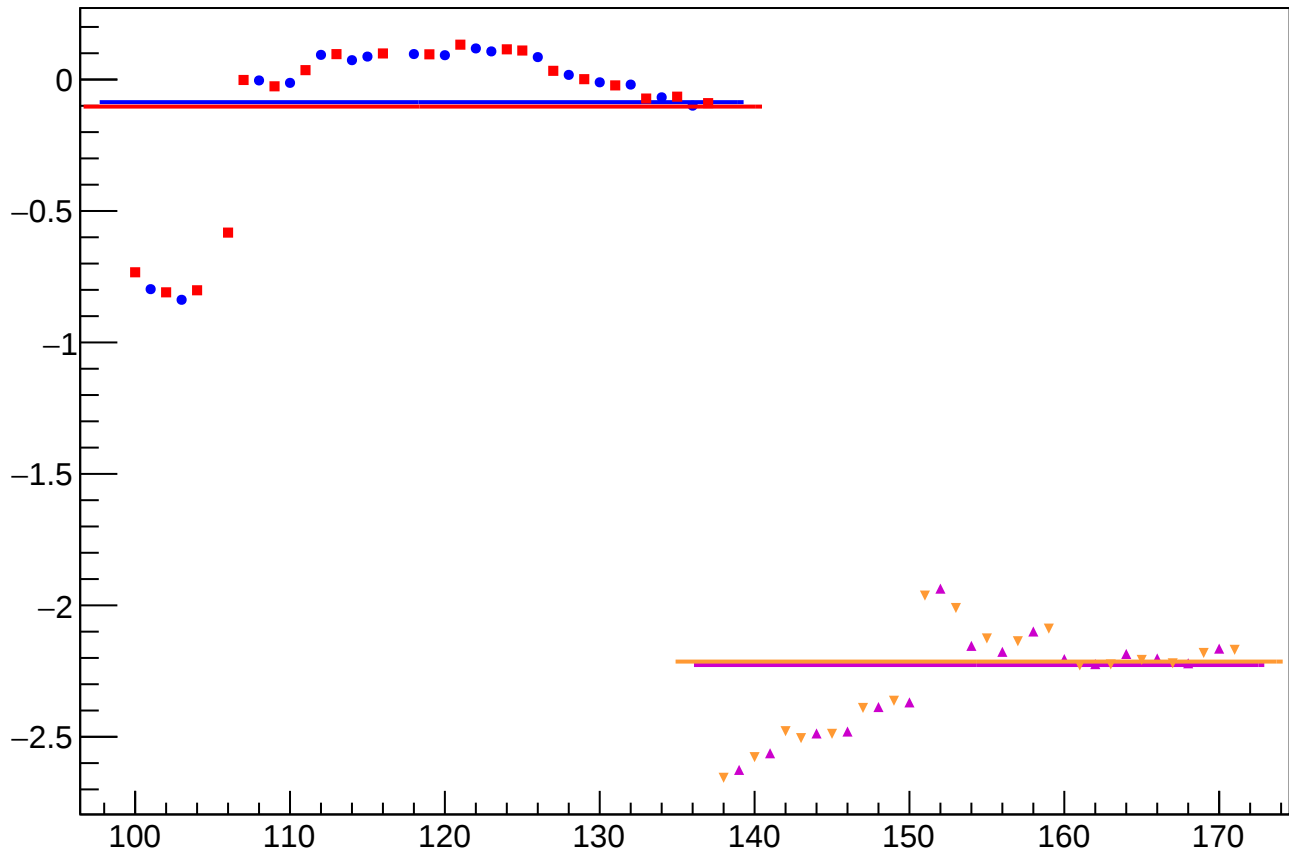
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 577723.9/15

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1568634.3/34

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2681238.5/69

- 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: -2.214 ± 0.000 χ^2/NDF : 3443483031.5/17

Right Out: -0.103 ± 0.000 χ^2/NDF : 5553039516.7/18

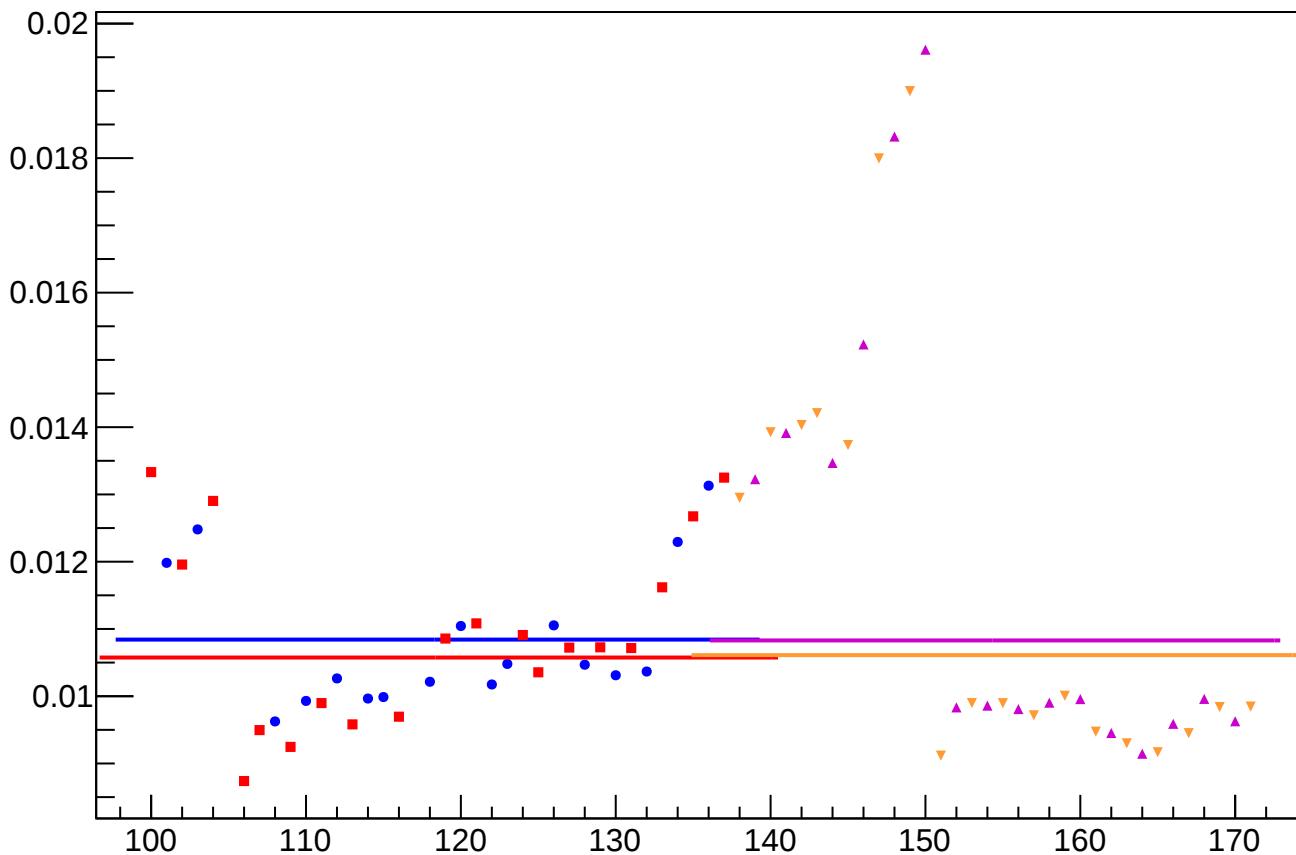
Left In: -2.227 ± 0.000 χ^2/NDF : 2726616619.5/15

+ sign -1.507 ± 0.000 χ^2/NDF : 179218601056.6/34

All: -1.461 ± 0.000 χ^2/NDF : 362677030301.3

- 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 :1125634.1/17

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

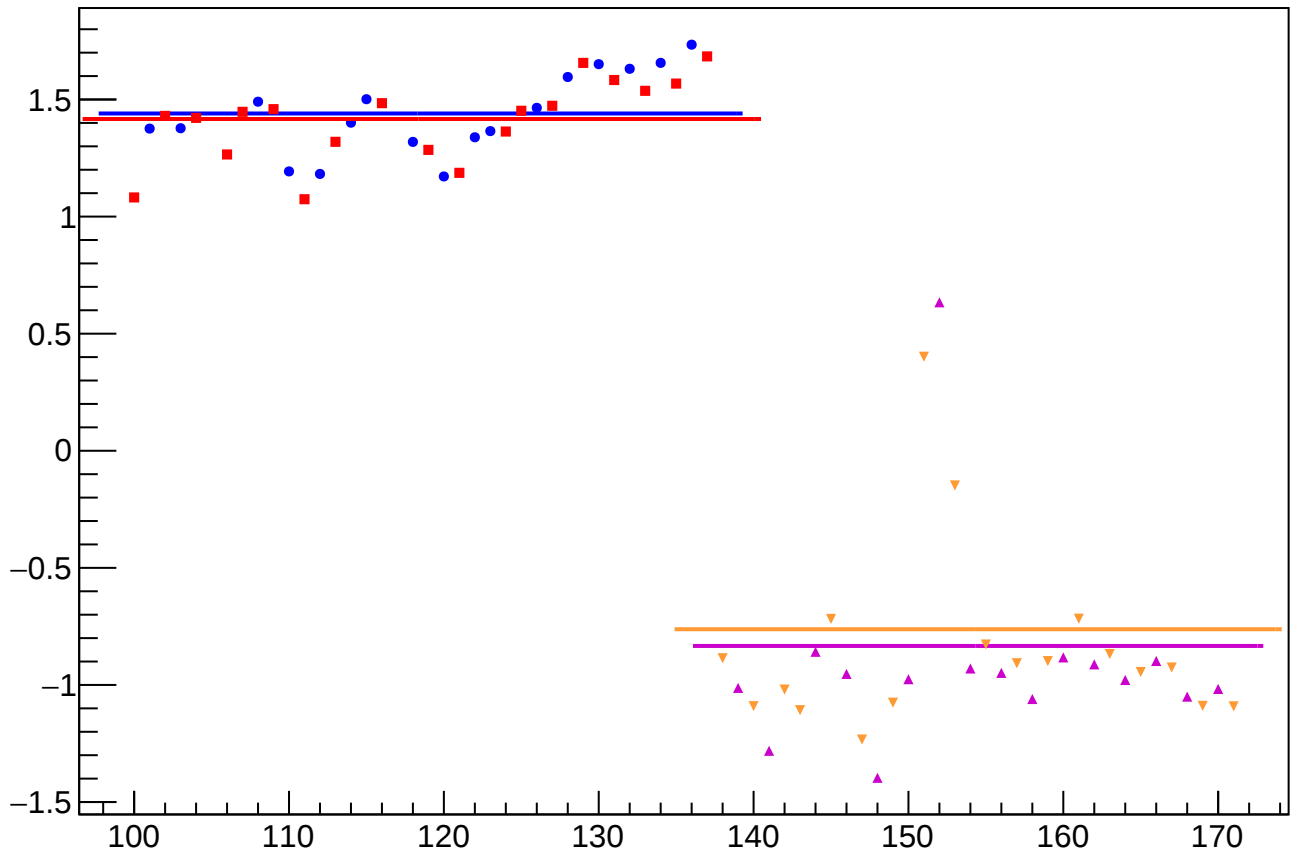
Left In: 0.011+/-0.000 χ^2/NDF :1145388.0/15

+ sign 0.011+/-0.000 χ^2/NDF : 1253922.5/34

All: 0.011+/-0.000 χ^2/NDF : 2583601.5/69

- 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: -0.762 $\pm$ 0.000 χ^2 /NDF: 33813498407.8/17

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

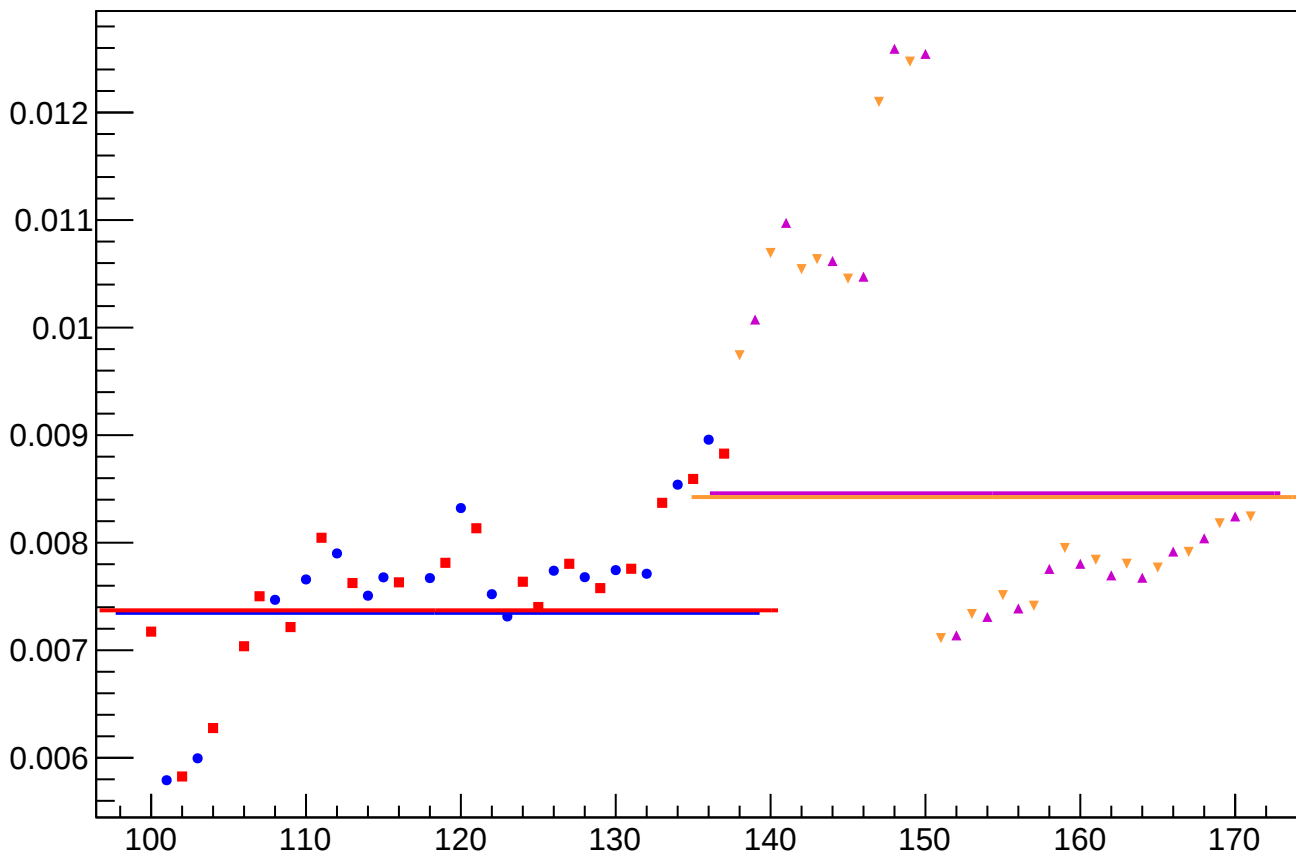
Left In: -0.833 $\pm$ 0.000 χ^2 /NDF: 40736691019.4/15

+ sign 0.119 $\pm$ 0.000 χ^2 /NDF: 392426341937.9/34

All: 0.132 $\pm$ 0.000 χ^2 /NDF: 805487934218.9

- 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 : 741357.2/17

Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

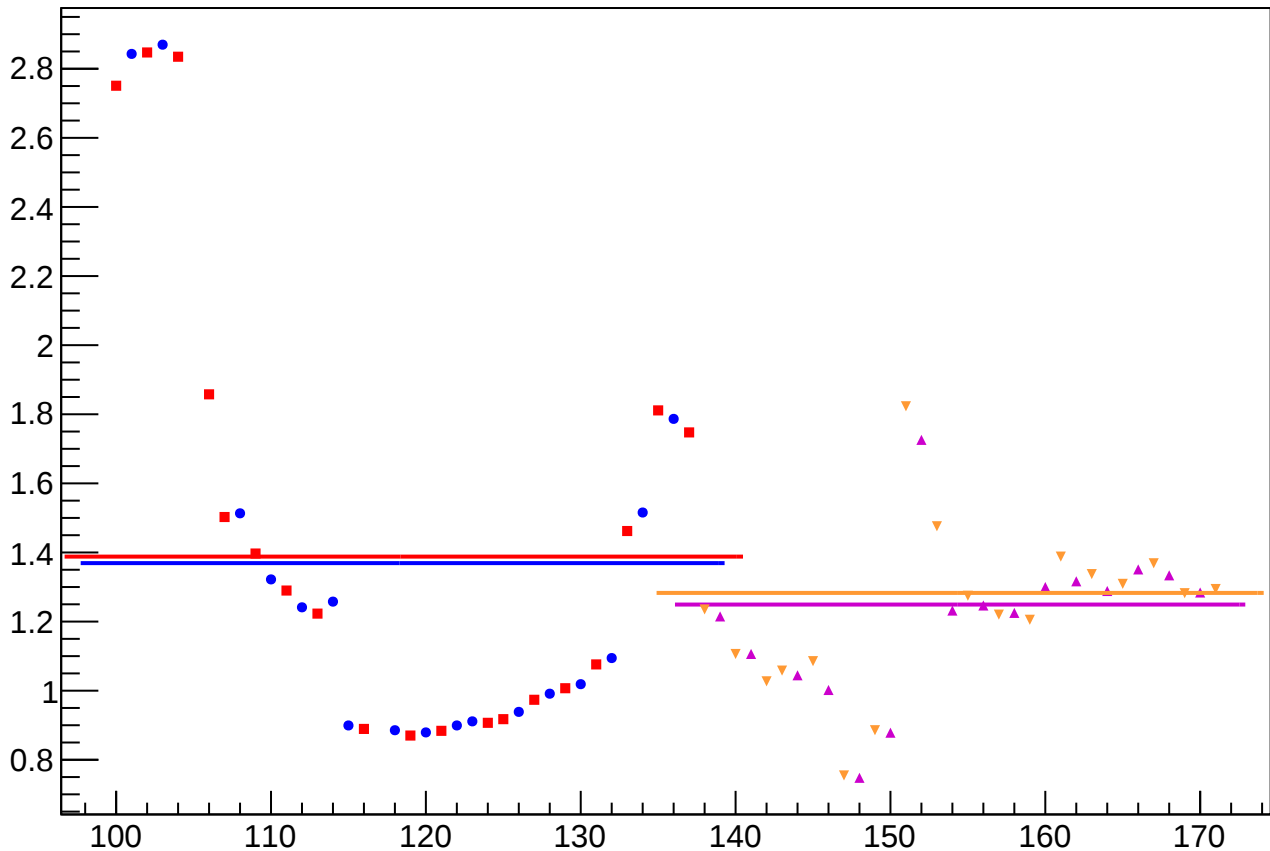
Left In: 0.008+/-0.000 χ^2/NDF : 802982.2/15

+ sign 0.008+/-0.000 χ^2/NDF : 1139180.6/34

All: 0.008+/-0.000 χ^2/NDF : 2287658.7/69

- 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: 1.283+/-0.000 χ^2/NDF : 9116632402.4/17

Right Out: 1.388+/-0.000 χ^2/NDF : 49900245868.0/18

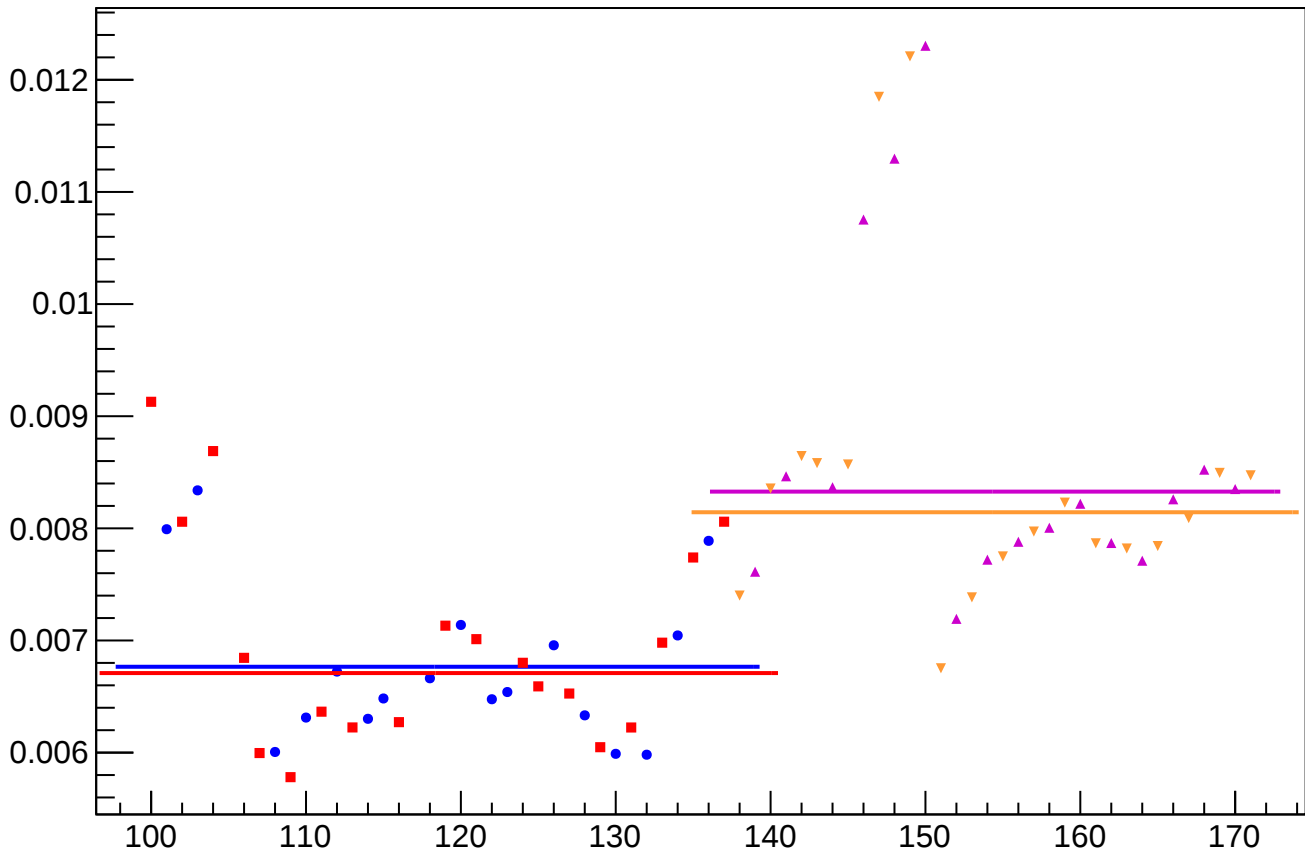
Left In: 1.249+/-0.000 χ^2/NDF : 7248145750.0/15

+ sign 1.320+/-0.000 χ^2/NDF : 63936760890.3/34

All: 1.318+/-0.000 χ^2/NDF : 122662648707.2

- 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 : 416780.1/17

Right Out: 0.007+/-0.000 χ^2/NDF : 187826.7/18

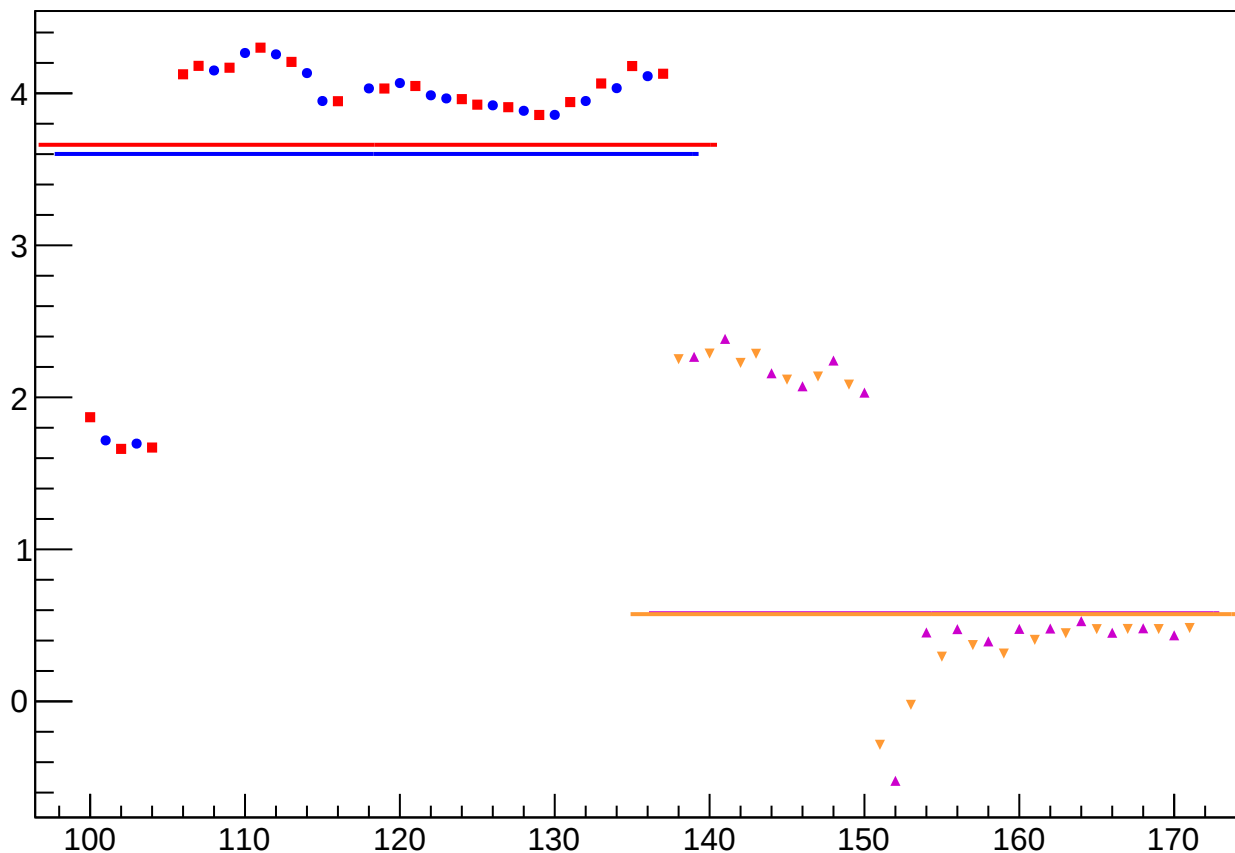
Left In: 0.008+/-0.000 χ^2/NDF : 428910.0/15

+ sign 0.008+/-0.000 χ^2/NDF : 890296.8/34

All: 0.008+/-0.000 χ^2/NDF : 1935071.0/69

- sign 0.008+/-0.000 χ^2/NDF : 1044763.5/34

yield_bpm1i04Y_mean vs Slug



Right In: 3.601 $\pm$ 0.000 χ^2 /NDF: 185806937655.3/16

Left Out: 0.574 $\pm$ 0.000 χ^2 /NDF: 257944665883.3/17

Right Out: 3.661 $\pm$ 0.000 χ^2 /NDF: 192519897222.5/18

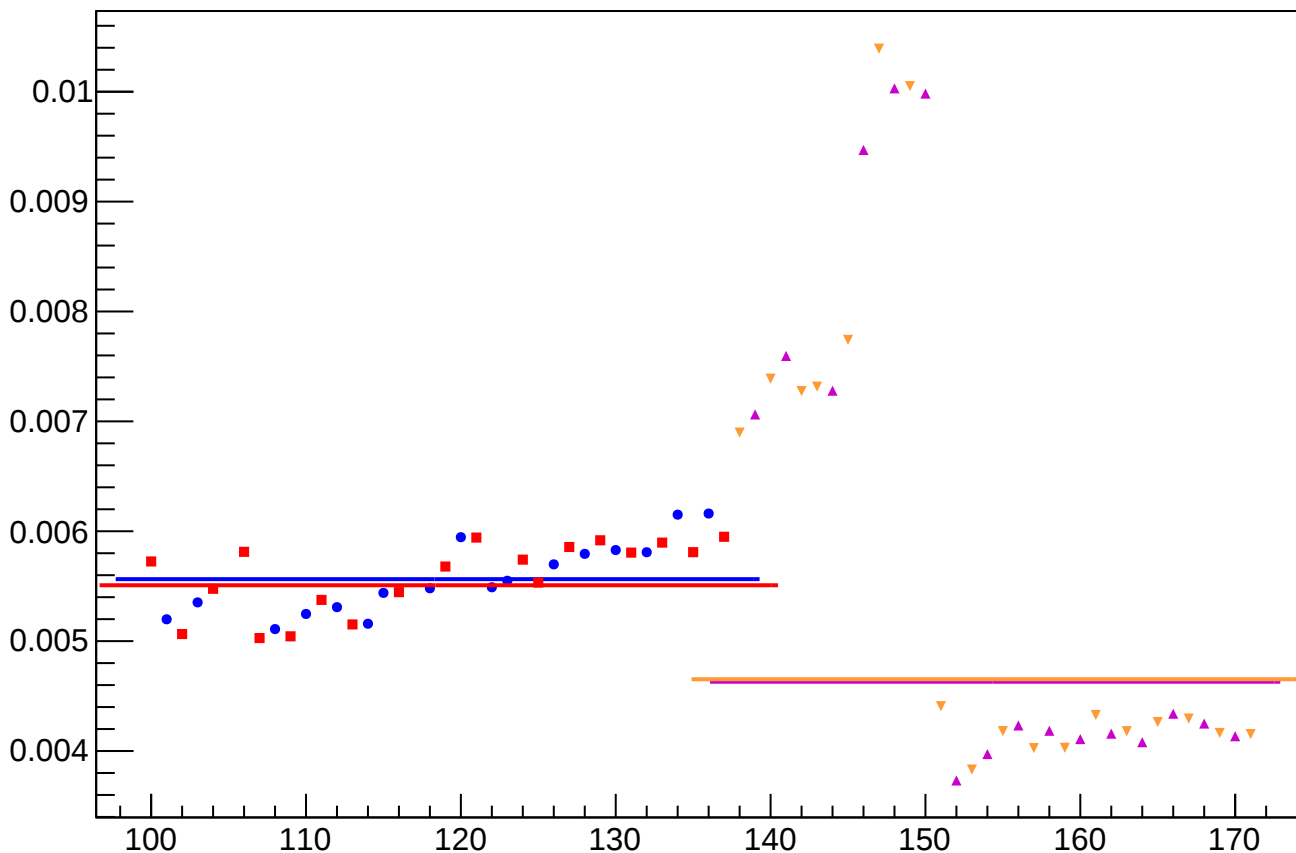
Left In: 0.580 $\pm$ 0.000 χ^2 /NDF: 254551406477.2/15

+ sign 1.429 $\pm$ 0.000 χ^2 /NDF: 1863316735642.0/34

All: 1.482 $\pm$ 0.000 χ^2 /NDF: 3816492834363.

- sign 1.535 $\pm$ 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:1967984.0/17

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 52634.8/18

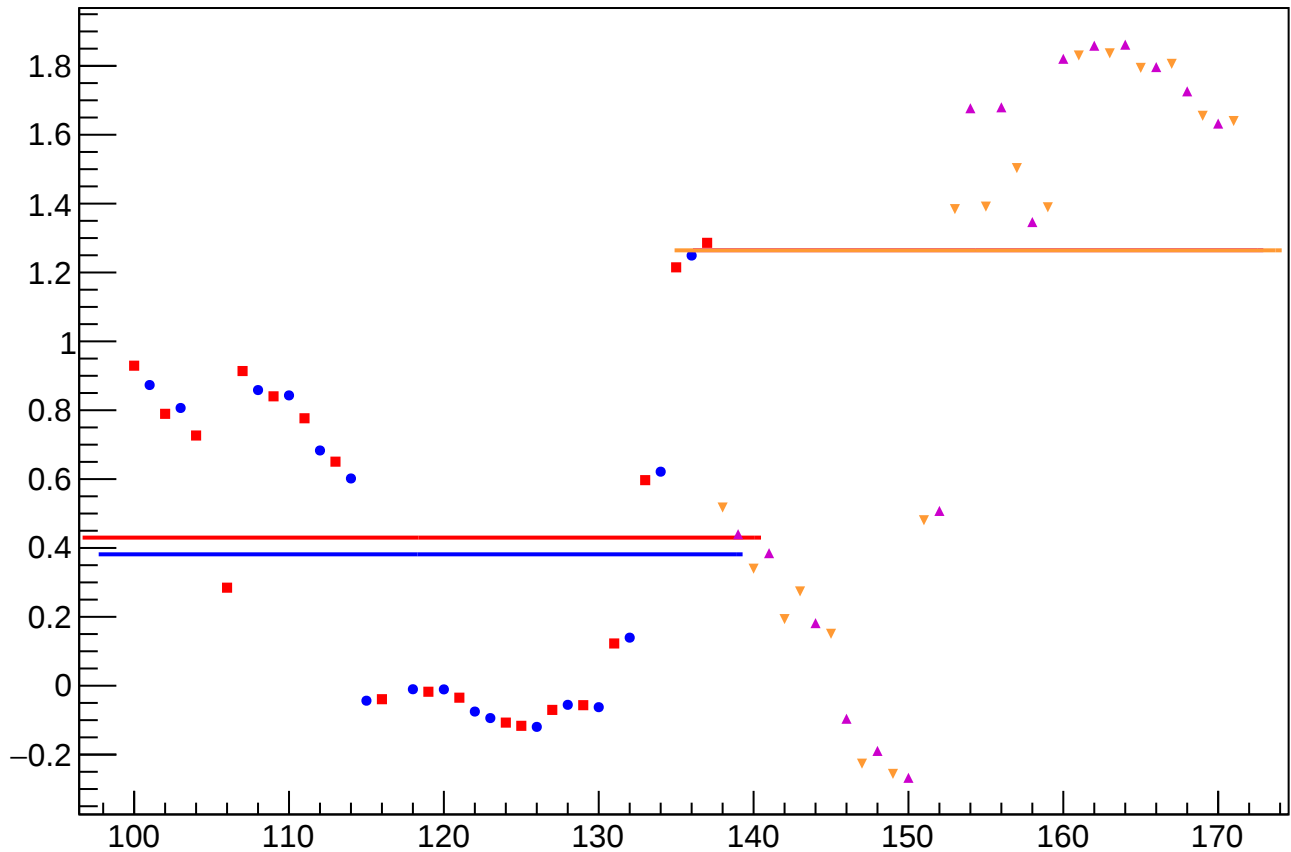
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:2144964.7/15

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2272643.8/34

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 4714175.3/69

- 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: 1.264 $\pm$ 0.000 χ^2 /NDF: 40430094974.5/17

Right Out: 0.430 $\pm$ 0.000 χ^2 /NDF: 6676199135.9/18

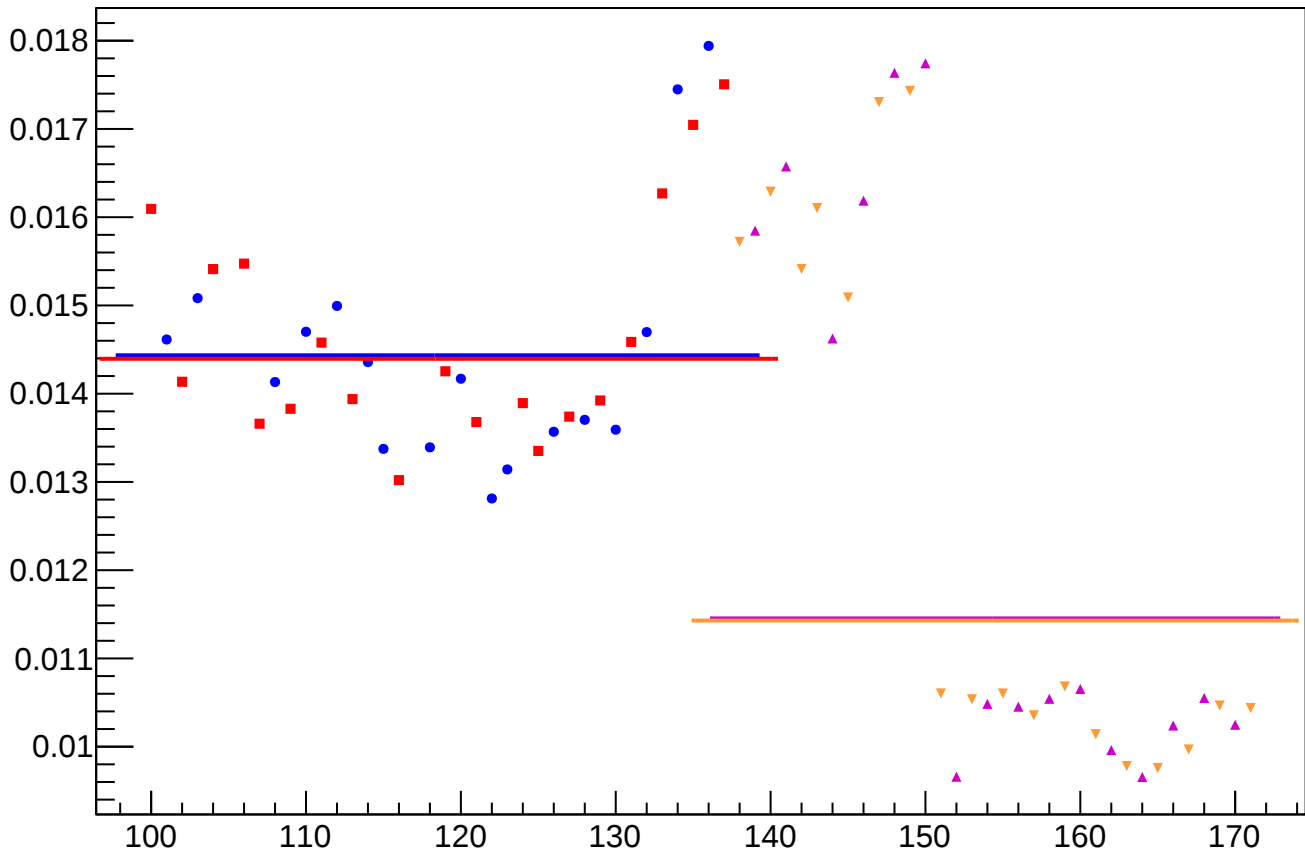
Left In: 1.265 $\pm$ 0.000 χ^2 /NDF: 44941153161.6/15

+ sign 1.047 $\pm$ 0.000 χ^2 /NDF: 66229328127.4/34

All: 1.043 $\pm$ 0.000 χ^2 /NDF: 134857481606.6

- sign 1.038 $\pm$ 0.000 χ^2 /NDF: 68623112169.2/34

yield_bpm1i06X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 110224.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:1085658.2/17

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 74531.6/18

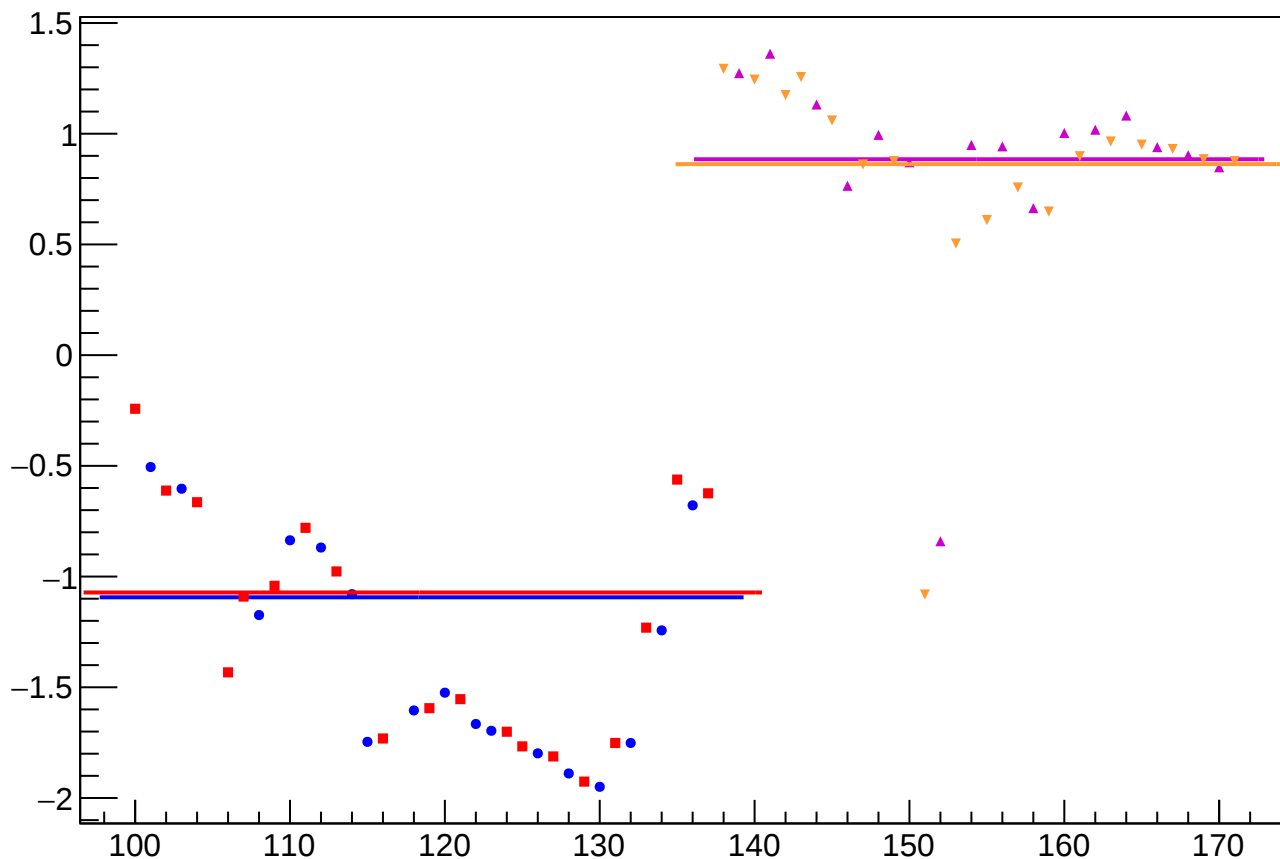
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:1118918.9/15

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1628926.8/34

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3245826.2/69

- sign 0.012 $\pm$ 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: 0.863+/-0.000 χ^2/NDF : 124811802503.4/17

Right Out: -1.072+/-0.000 χ^2/NDF : 46896017480.0/18

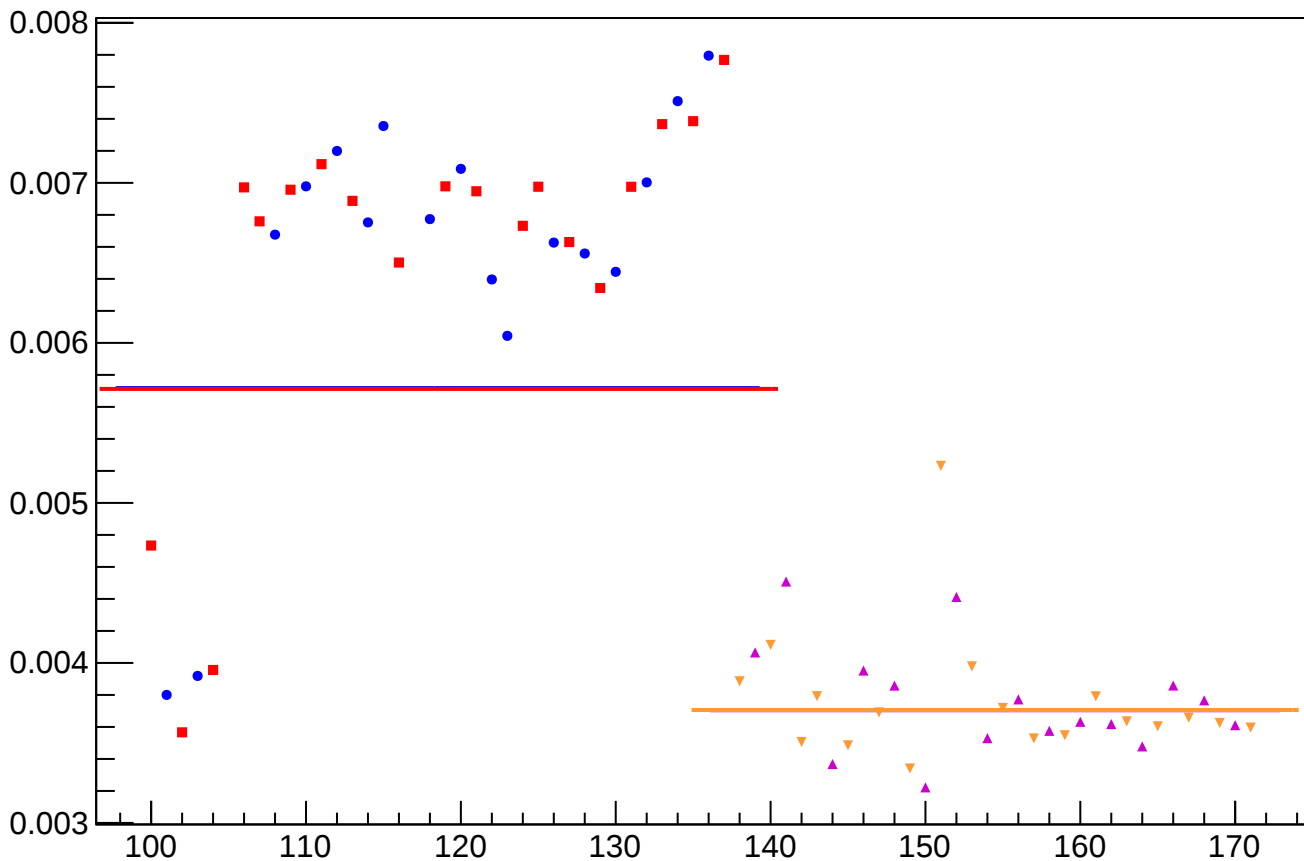
Left In: 0.885+/-0.000 χ^2/NDF : 145801423883.0/15

+ sign 0.529+/-0.000 χ^2/NDF : 757312581615.3/34

All: 0.523+/-0.000 χ^2/NDF : 1537184227184.

- sign 0.517+/-0.000 χ^2/NDF : 779800929830.6/34

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 837775.0/16

Left Out: 0.004+/-0.000 χ^2/NDF : 163770.6/17

Right Out: 0.006+/-0.000 χ^2/NDF : 923899.1/18

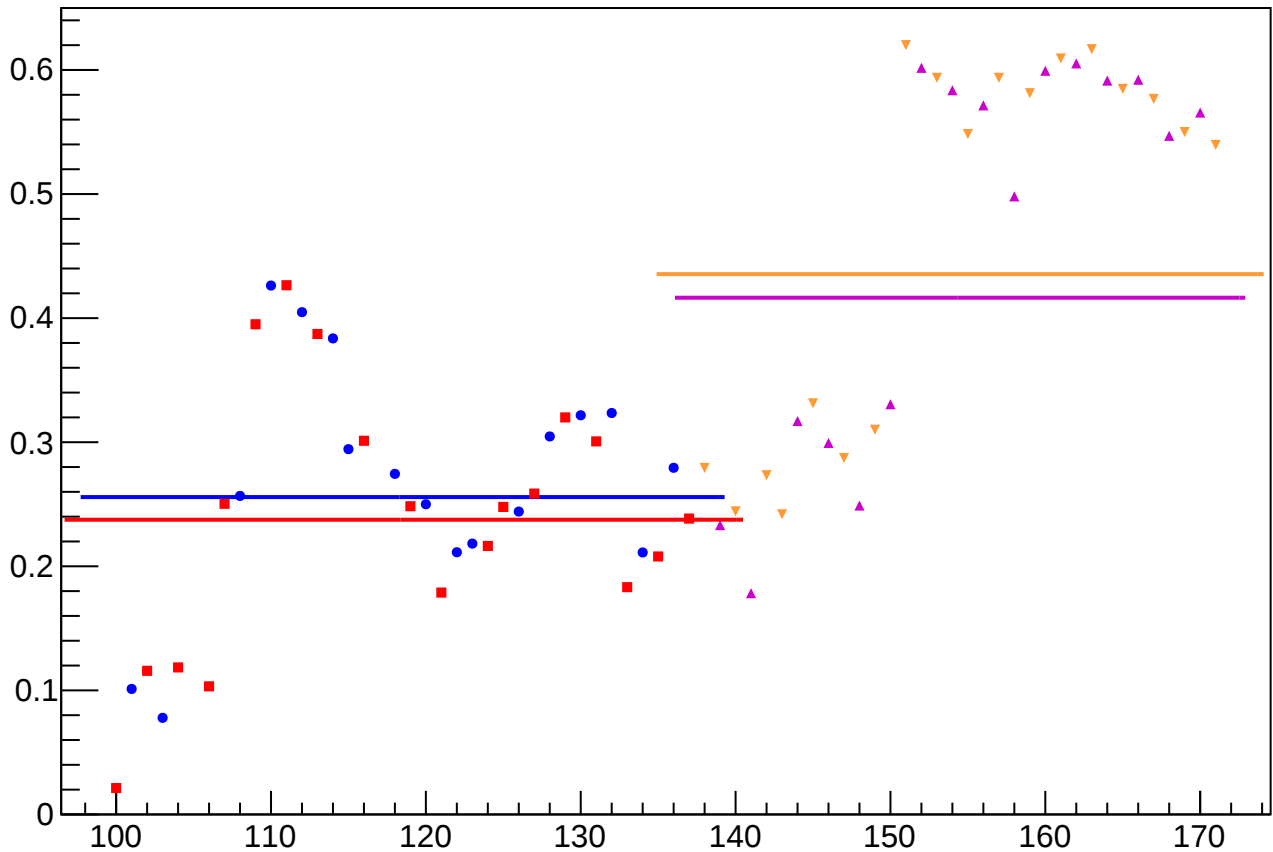
Left In: 0.004+/-0.000 χ^2/NDF : 171823.9/15

+ sign 0.004+/-0.000 χ^2/NDF : 2220763.3/34

All: 0.004+/-0.000 χ^2/NDF : 4554513.5/69

- sign 0.004+/-0.000 χ^2/NDF : 2332661.4/34

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.435+/-0.000 χ^2/NDF : 84682324453.2/17

Right Out: 0.238+/-0.000 χ^2/NDF : 26057284646.9/18

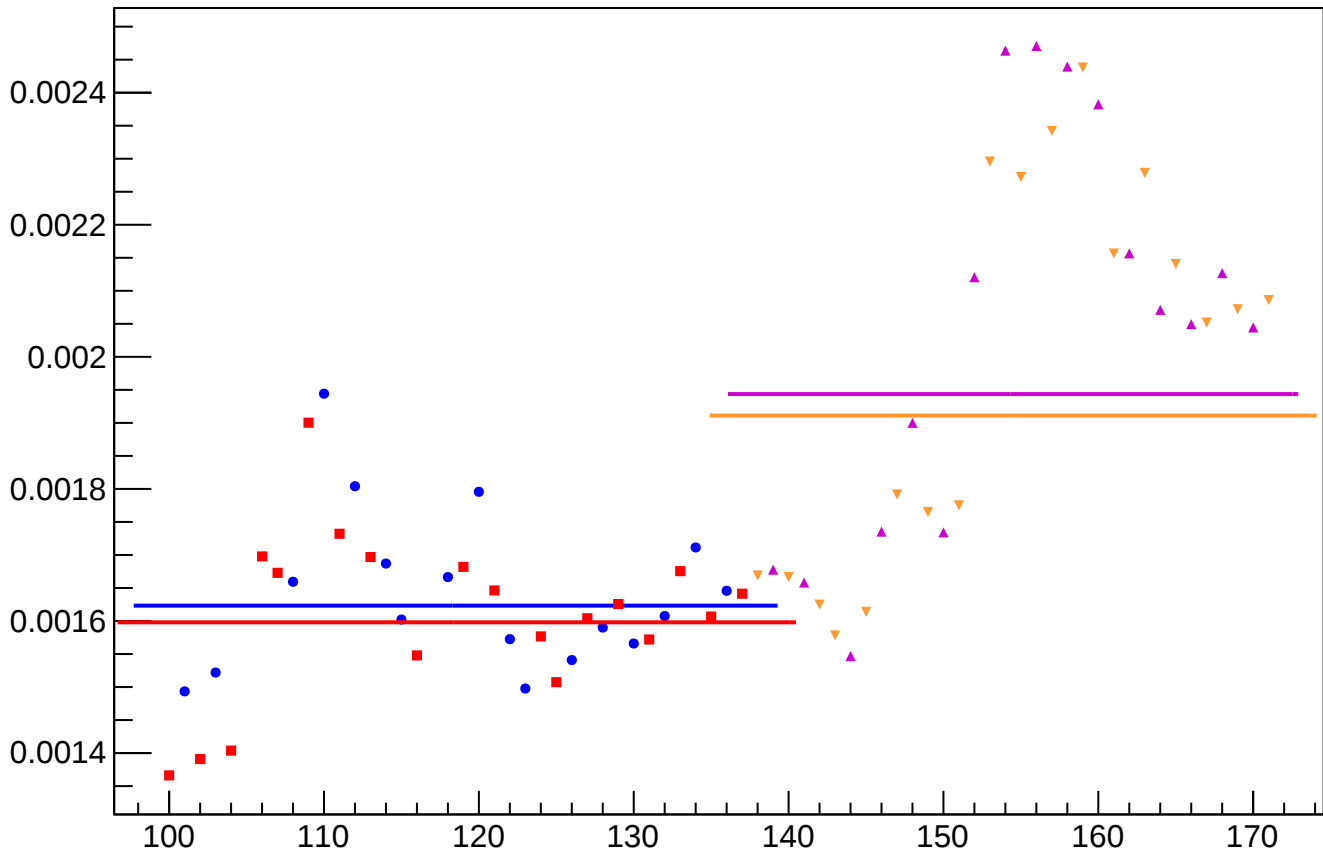
Left In: 0.416+/-0.000 χ^2/NDF : 80224182862.2/15

+ sign 0.362+/-0.000 χ^2/NDF : 152922935714.0/34

All: 0.348+/-0.000 χ^2/NDF : 308537501588.2

- sign 0.334+/-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 : 540798.9/17

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

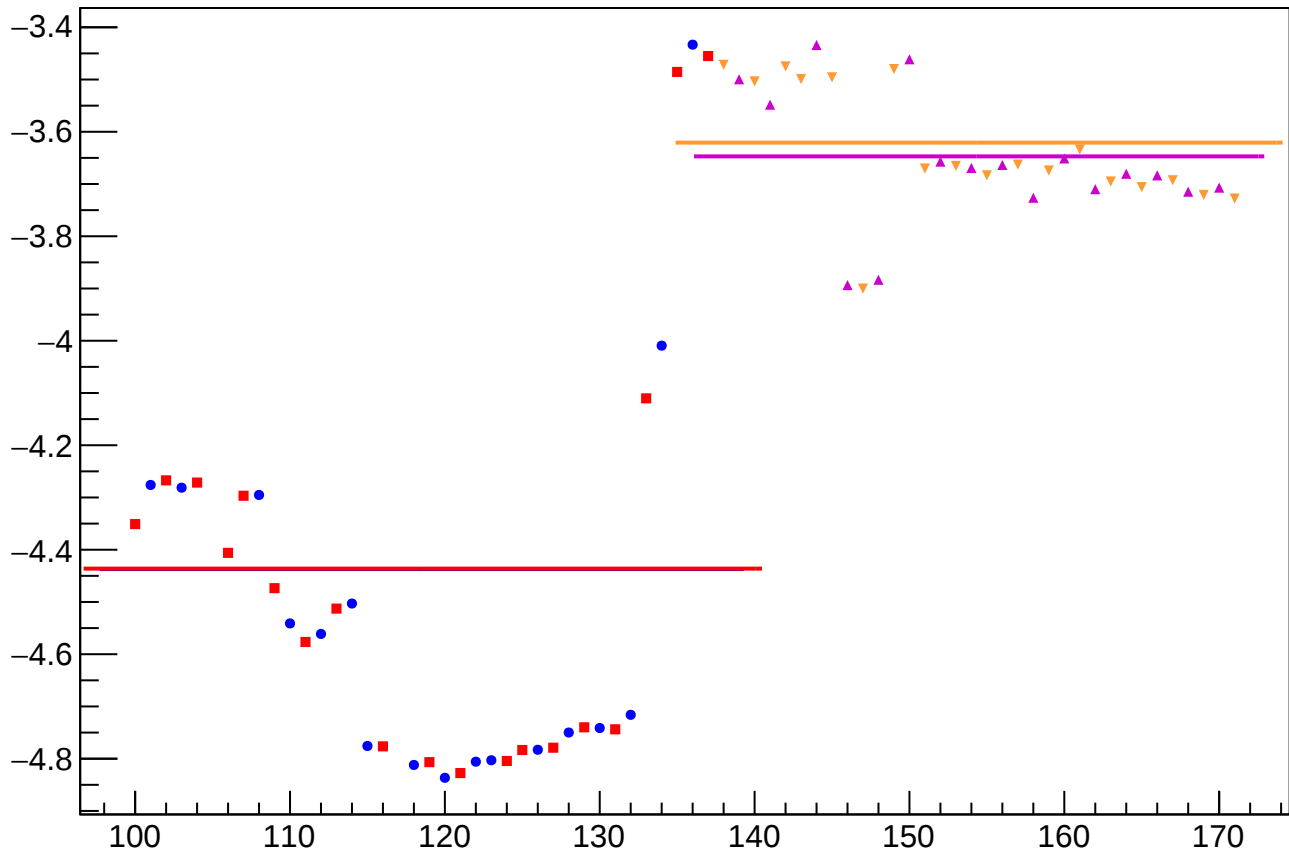
Left In: 0.002+/-0.000 χ^2/NDF : 557404.7/15

+ sign 0.002+/-0.000 χ^2/NDF : 833848.2/34

All: 0.002+/-0.000 χ^2/NDF : 1832384.4/69

- 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: -3.621+/-0.000 χ^2/NDF : 38238364629.3/17

Right Out: -4.436+/-0.000 χ^2/NDF : 325183860699.4/18

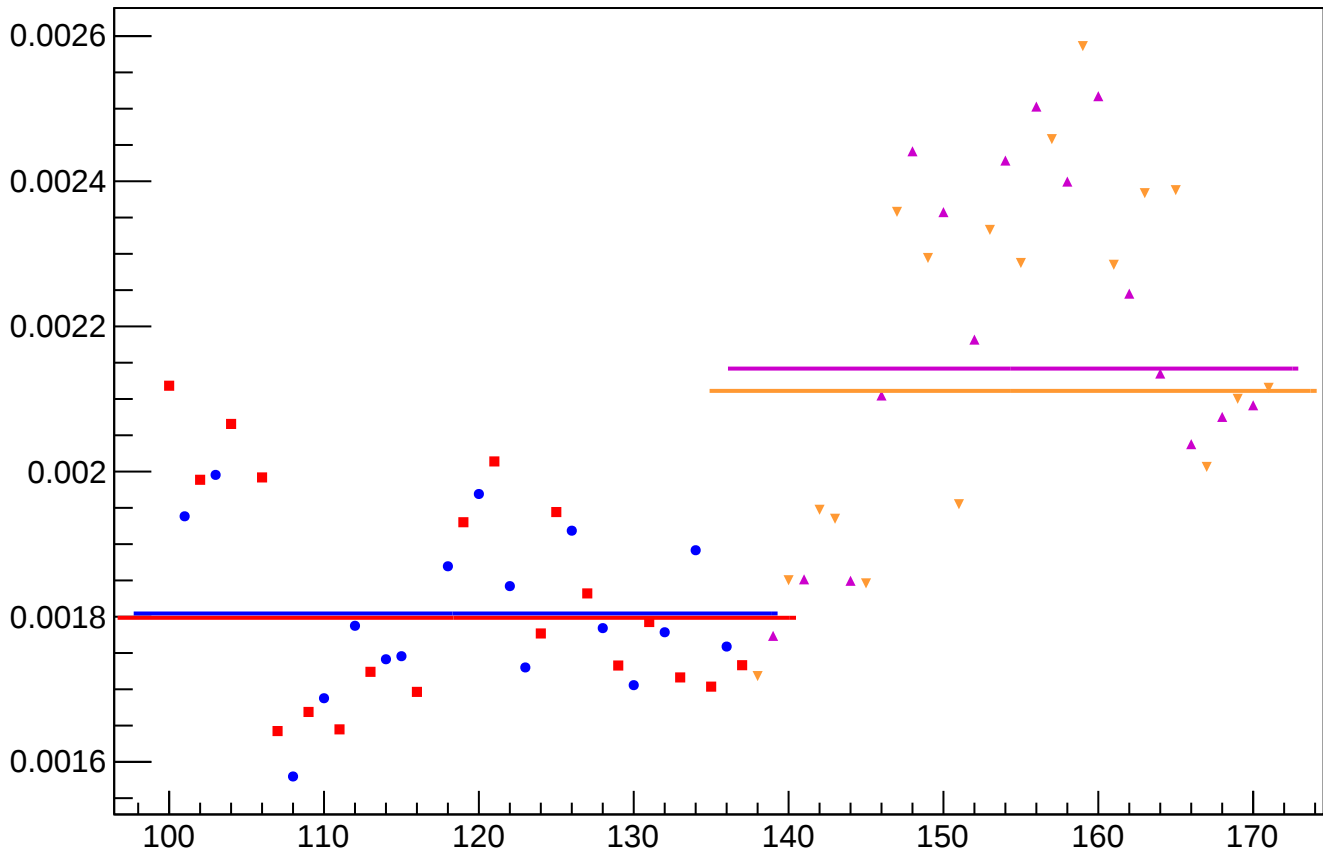
Left In: -3.647+/-0.000 χ^2/NDF : 44782213007.4/15

+ sign -3.953+/-0.000 χ^2/NDF : 1220422651570.8/3

All: -3.976+/-0.000 χ^2/NDF : 2327968055292

- 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 :342728.2/17

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

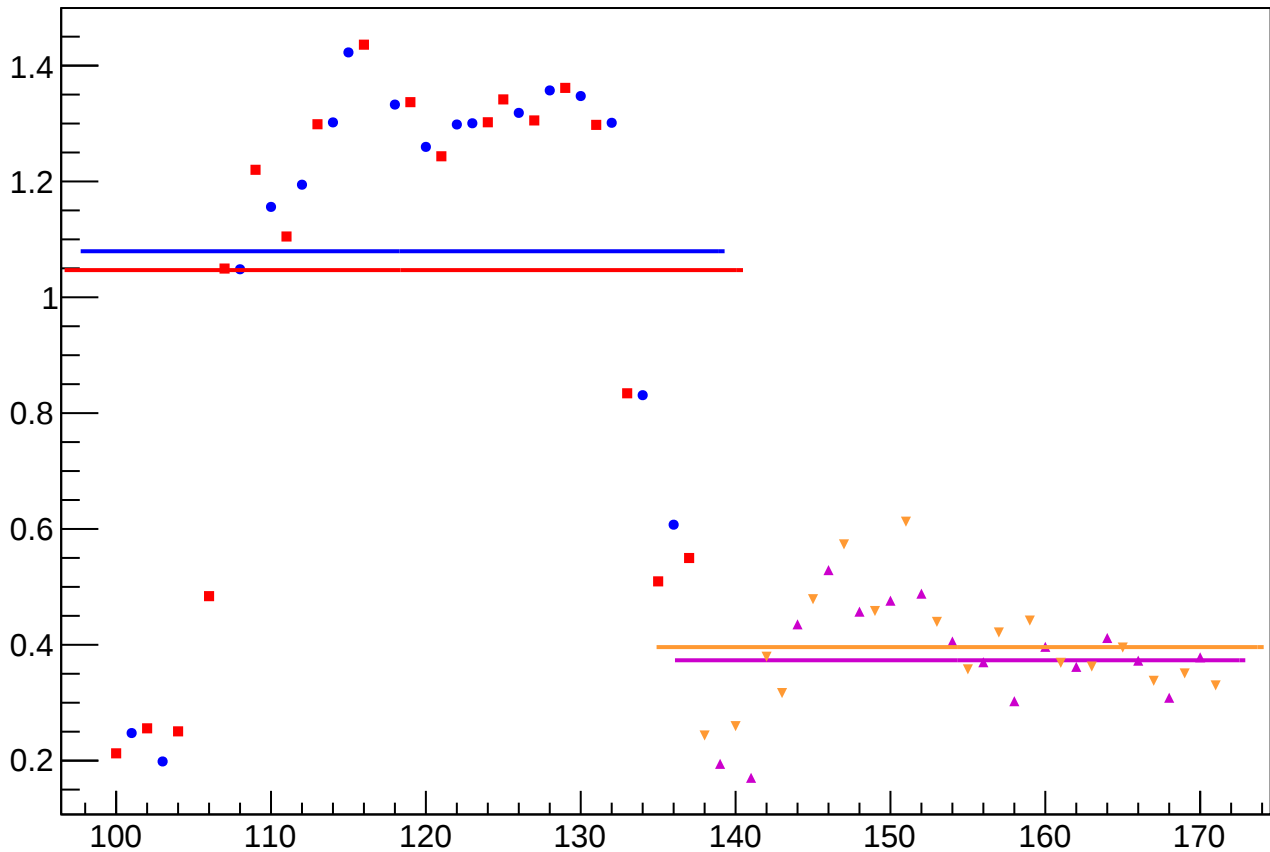
Left In: 0.002+/-0.000 χ^2/NDF :296276.2/15

+ sign 0.002+/-0.000 χ^2/NDF : 614776.2/34

All: 0.002+/-0.000 χ^2/NDF : 1269476.0/69

- 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: 0.396 $\pm$ 0.000 χ^2 /NDF:1330971027.2/17

Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

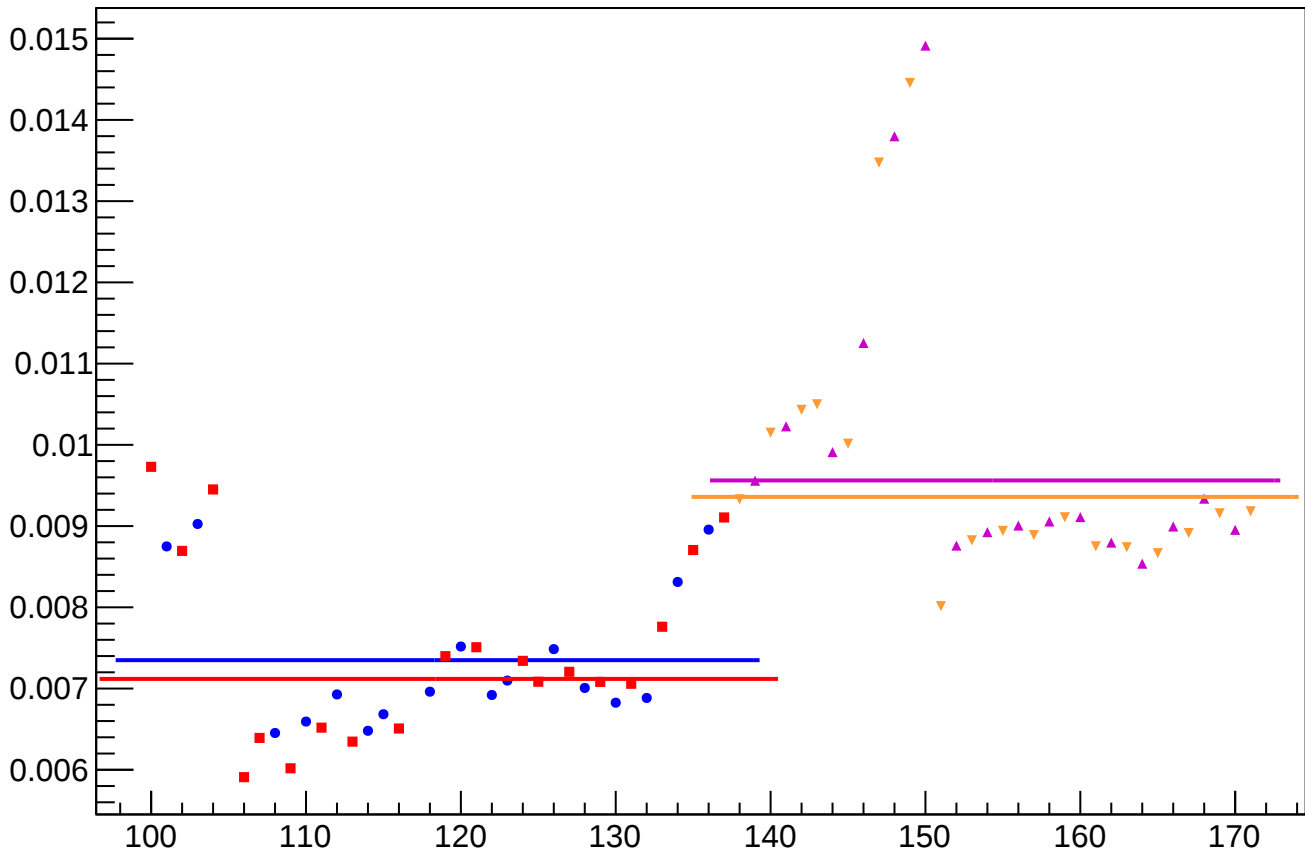
Left In: 0.373 $\pm$ 0.000 χ^2 /NDF:1087979538.9/15

+ sign 0.703 $\pm$ 0.000 χ^2 /NDF: 50332920195.3/34

All: 0.710 $\pm$ 0.000 χ^2 /NDF: 101821047409.2

- 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 : 471691.2/17

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

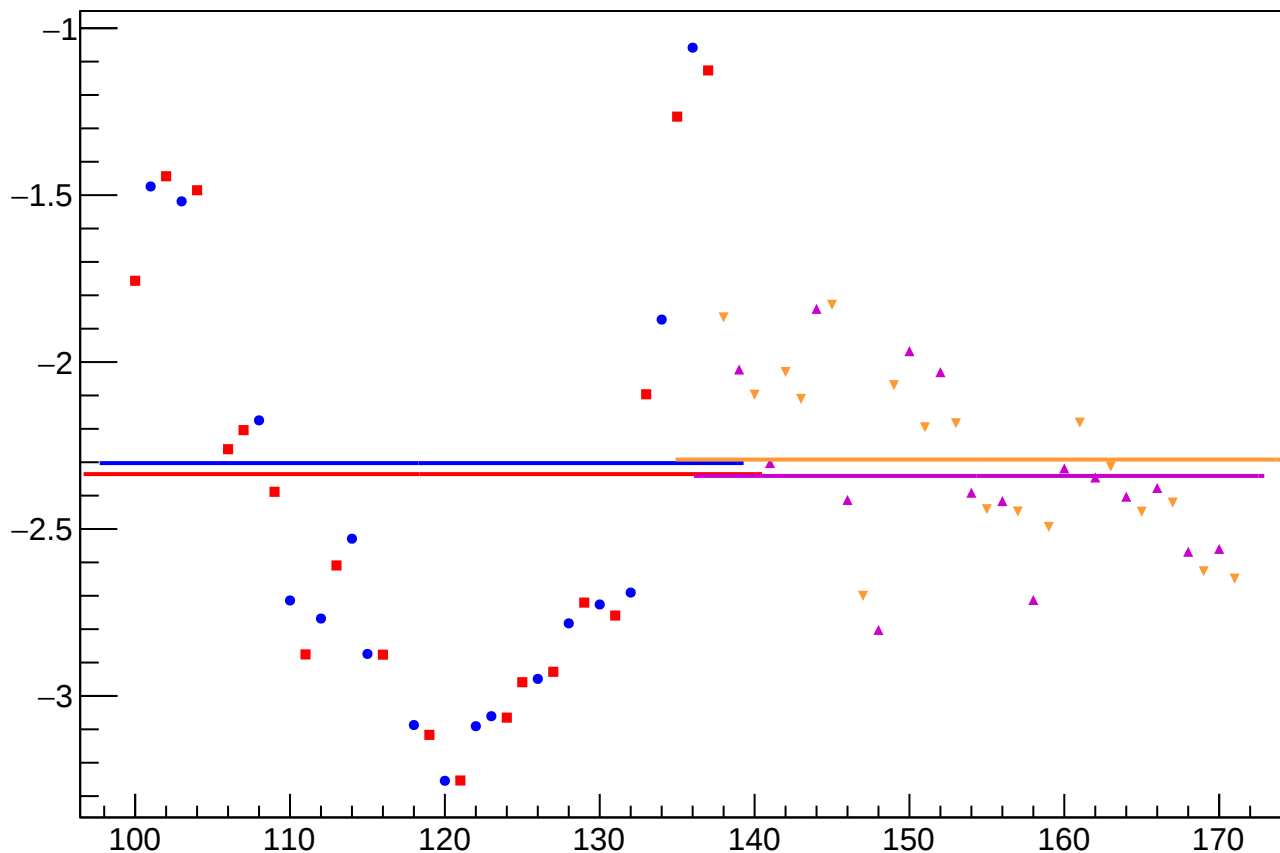
Left In: 0.010+/-0.000 χ^2/NDF : 496603.9/15

+ sign 0.008+/-0.000 χ^2/NDF : 1196935.7/34

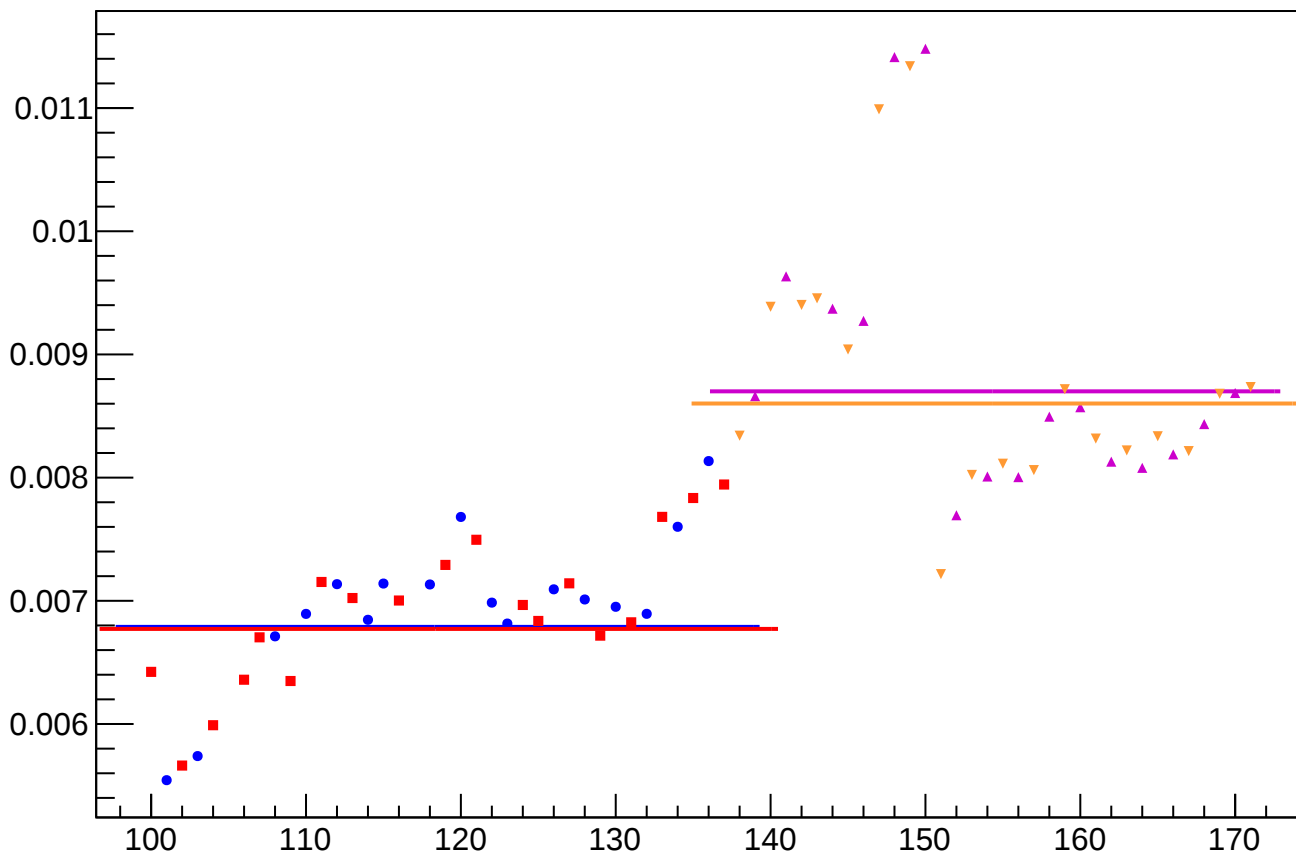
All: 0.008+/-0.000 χ^2/NDF : 2765180.8/69

- sign 0.008+/-0.000 χ^2/NDF : 1563123.5/34

yield_bpm2i02Y_mean vs Slug



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 : 290201.5/17

Right Out: 0.007+/-0.000 χ^2/NDF : 123244.0/18

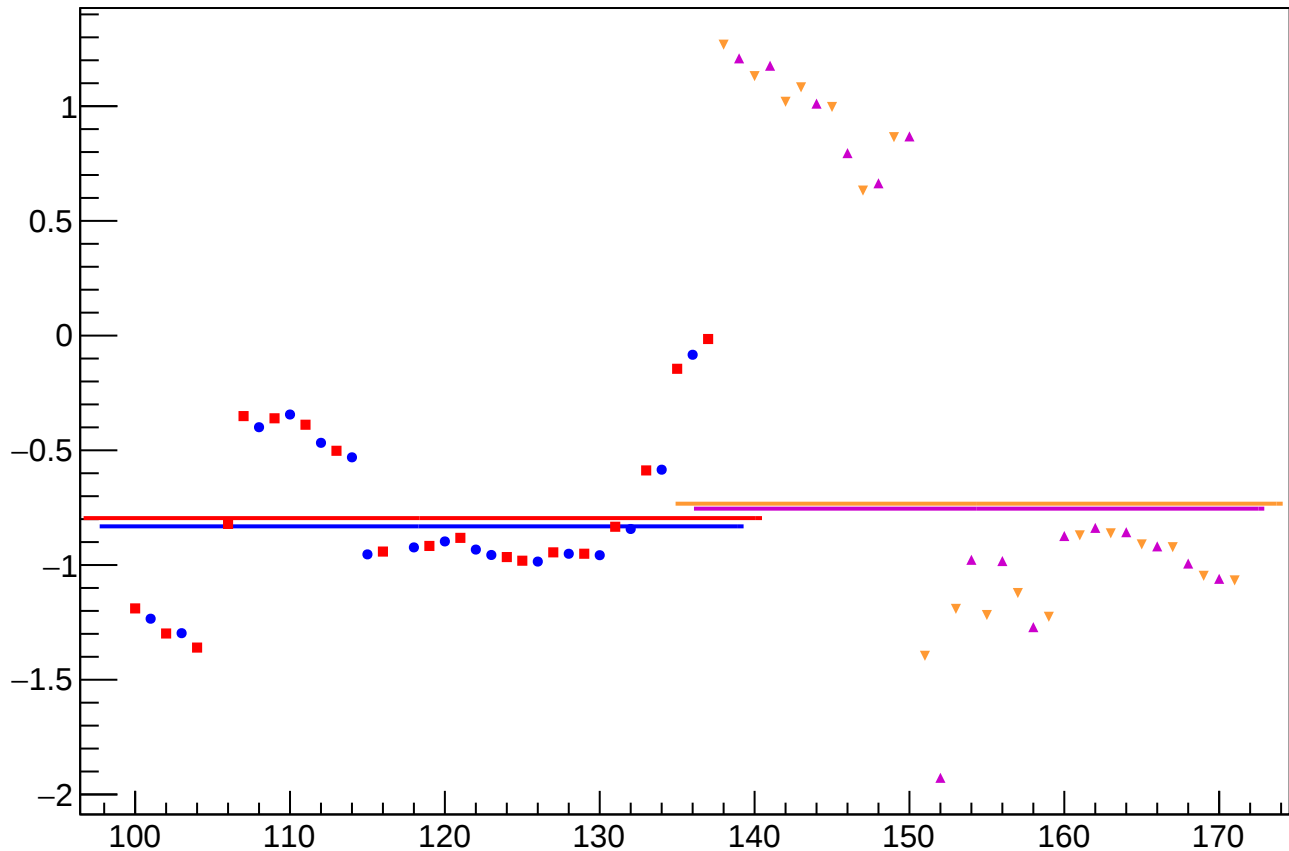
Left In: 0.009+/-0.000 χ^2/NDF : 297035.9/15

+ sign 0.008+/-0.000 χ^2/NDF : 980535.5/34

All: 0.008+/-0.000 χ^2/NDF : 1988936.1/69

- 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: -0.733 ± 0.000 χ^2/NDF : 115824672417.2/17

Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

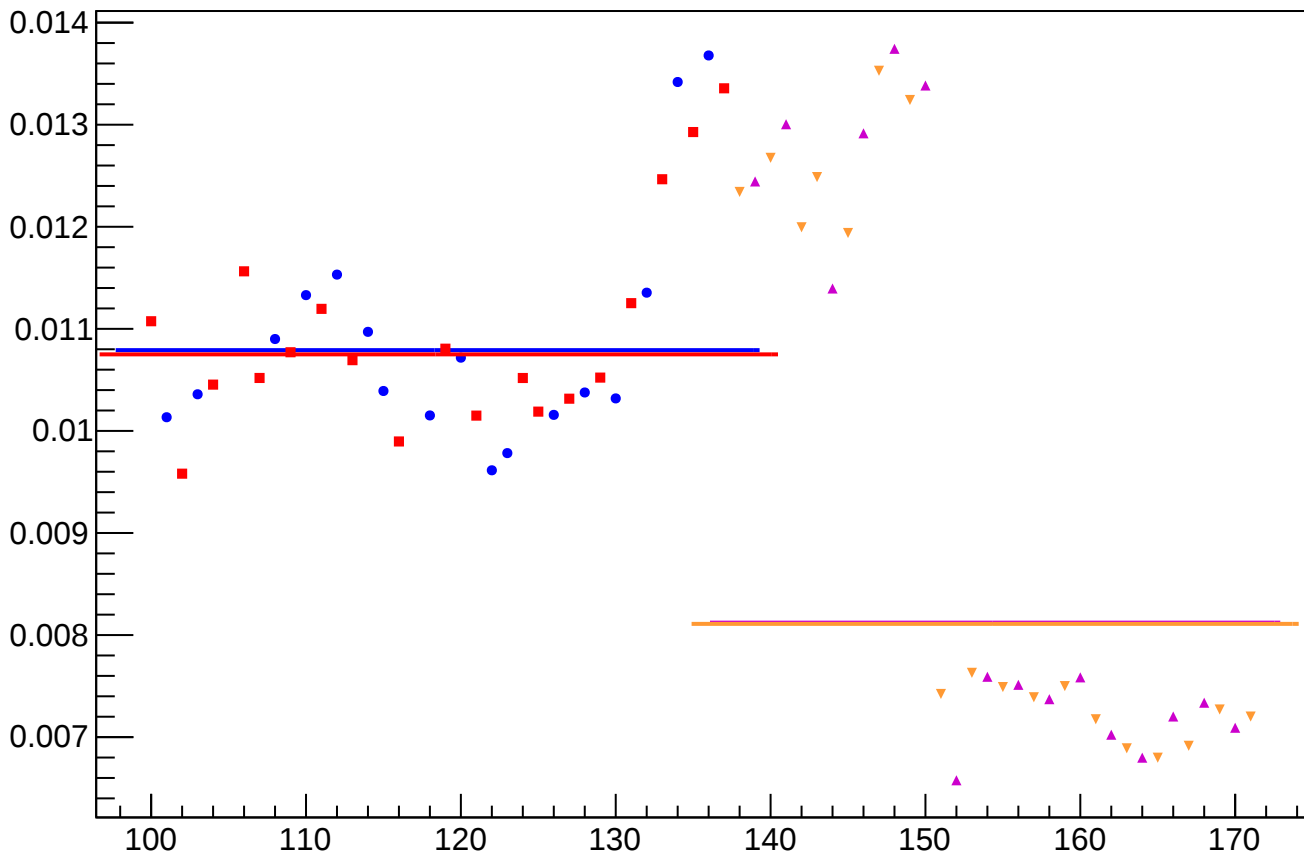
Left In: -0.754 ± 0.000 χ^2/NDF : 121406288168.4/15

+ sign -0.755 ± 0.000 χ^2/NDF : 122941102997.7/34

All: -0.760 ± 0.000 χ^2/NDF : 252255212141.8

- 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:1516794.9/17

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 90220.8/18

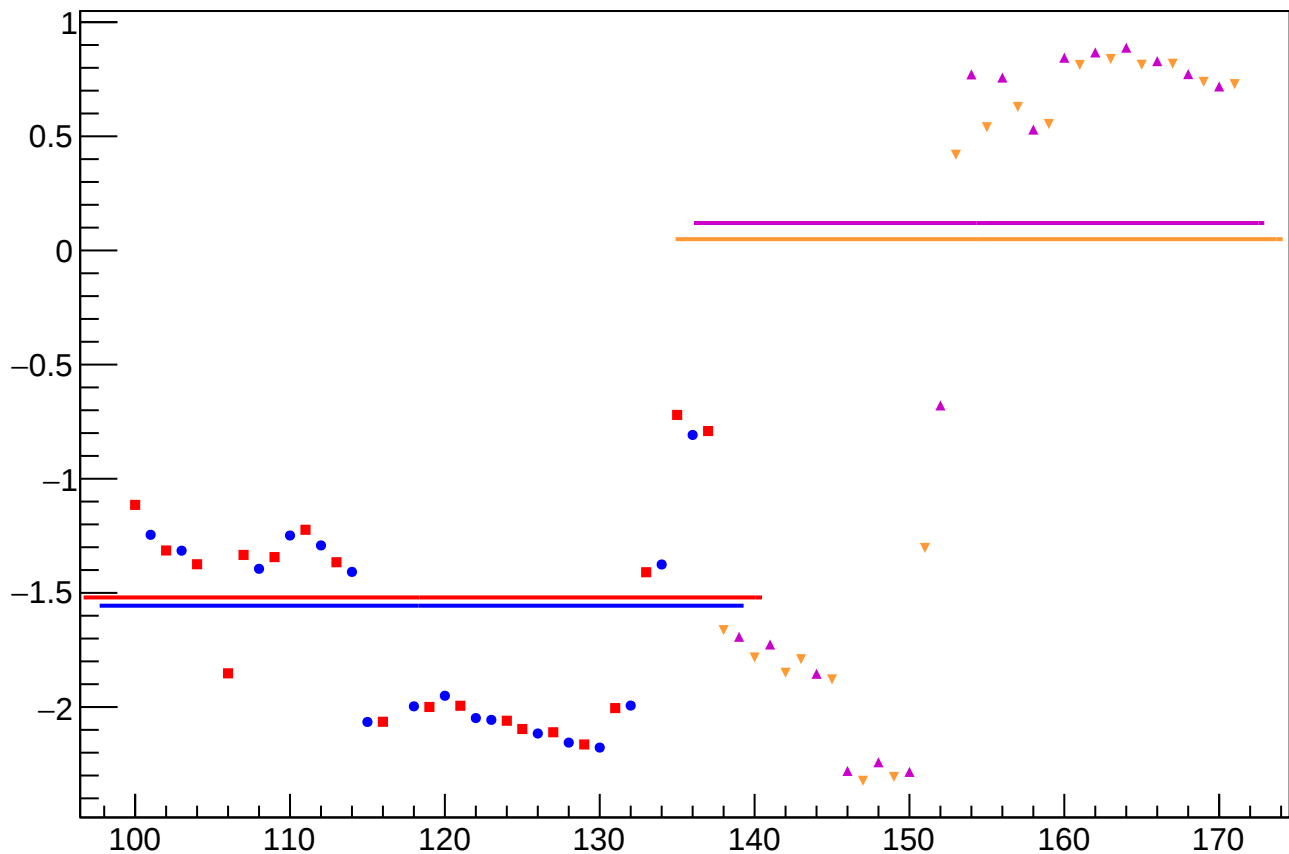
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1553742.8/15

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2267339.7/34

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4525989.4/69

- 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: 0.050+/-0.000 χ^2/NDF : 2236804886038.7/17

Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

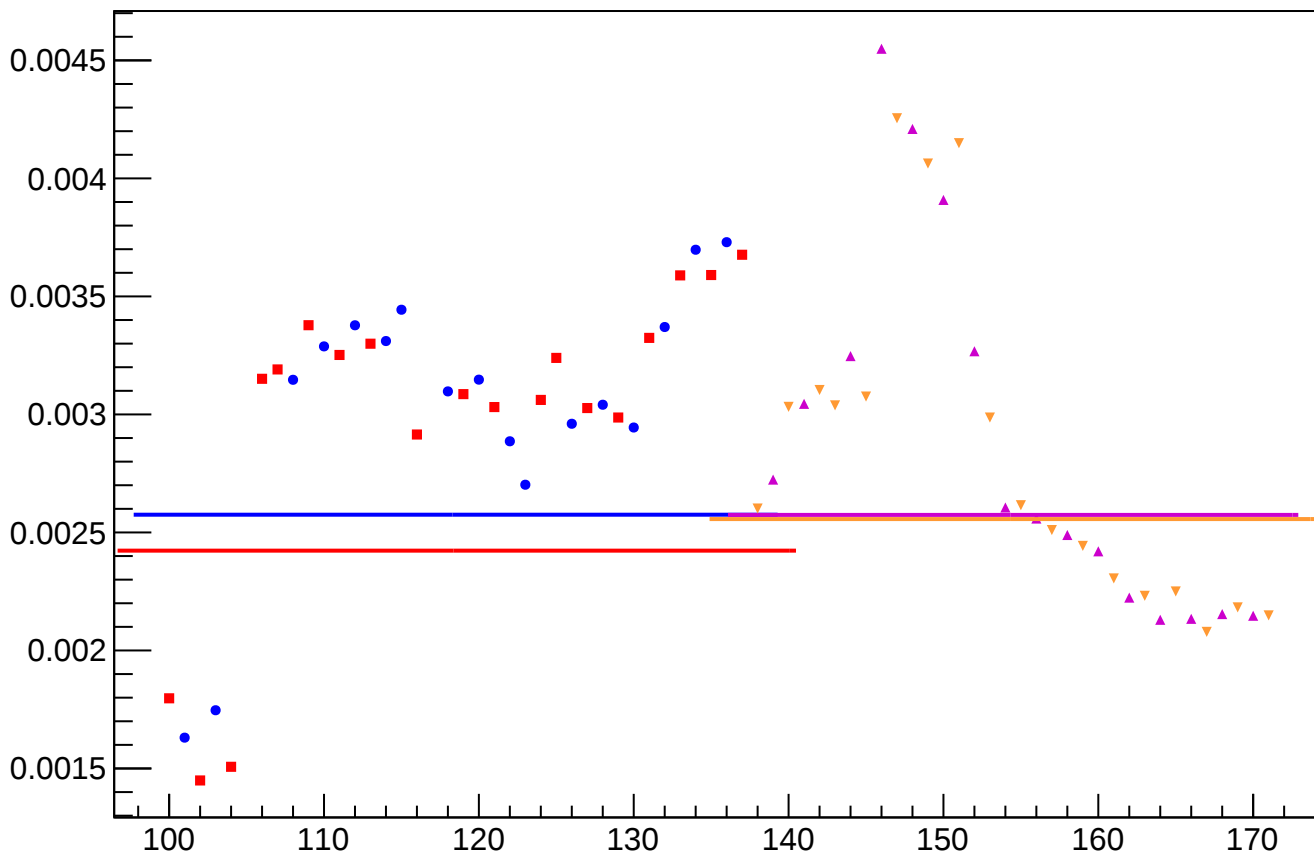
Left In: 0.120+/-0.000 χ^2/NDF : 2036536729356.3/15

+ sign -0.471+/-0.000 χ^2/NDF : 3878504952655.4/3

All: -0.483+/-0.000 χ^2/NDF : 7677961530135

- 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 :936010.6/17

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

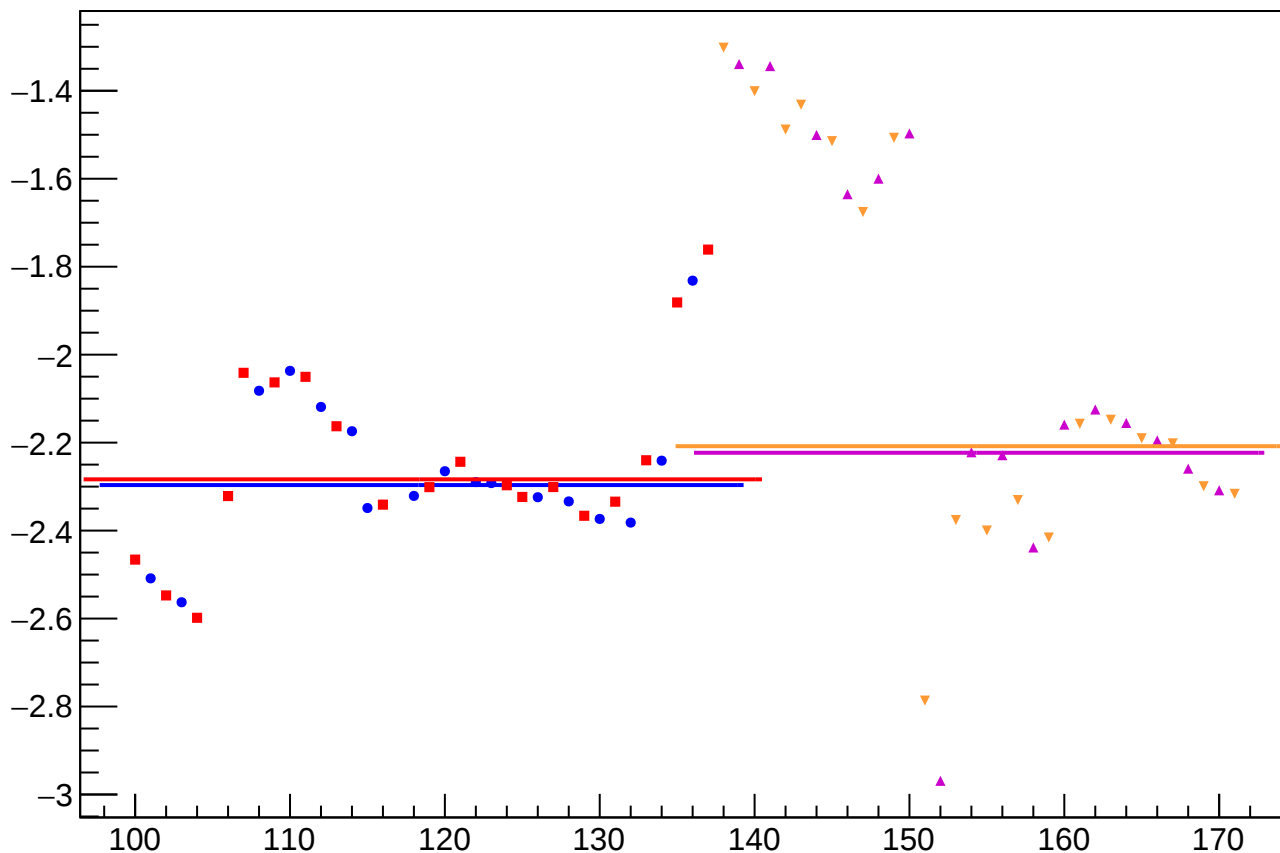
Left In: 0.003+/-0.000 χ^2/NDF :973210.2/15

+ sign 0.003+/-0.000 χ^2/NDF : 1950239.5/34

All: 0.003+/-0.000 χ^2/NDF : 4446560.5/69

- 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: -2.208+/-0.000 χ^2/NDF : 52035062073.4/17

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

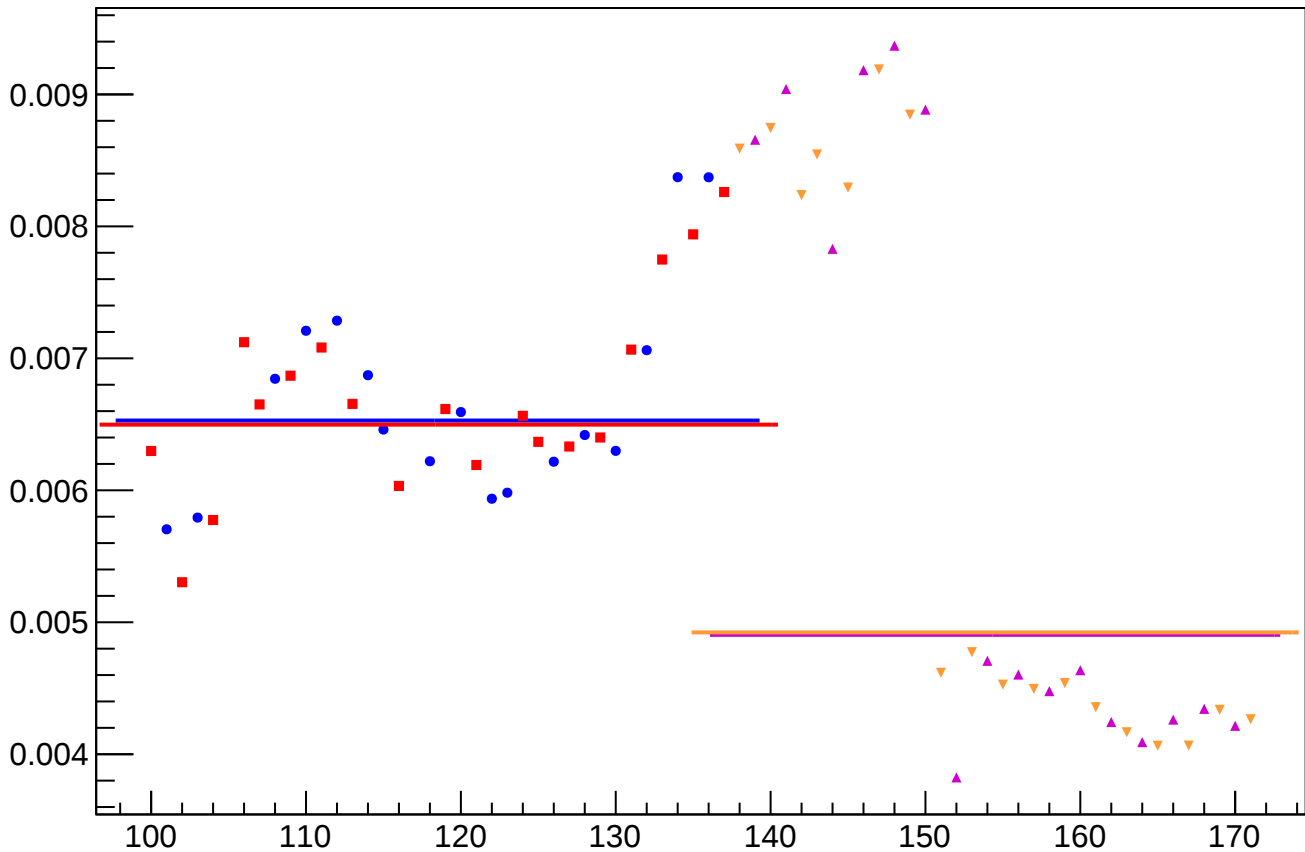
Left In: -2.223+/-0.000 χ^2/NDF : 66695344128.3/15

+ sign -2.229+/-0.000 χ^2/NDF : 58723391727.6/34

All: -2.234+/-0.000 χ^2/NDF : 132431271638.7

- sign -2.239+/-0.000 χ^2/NDF : 73677178006.2/34

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 176467.7/16

Left Out: 0.005+/-0.000 χ^2/NDF : 2081502.6/17

Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

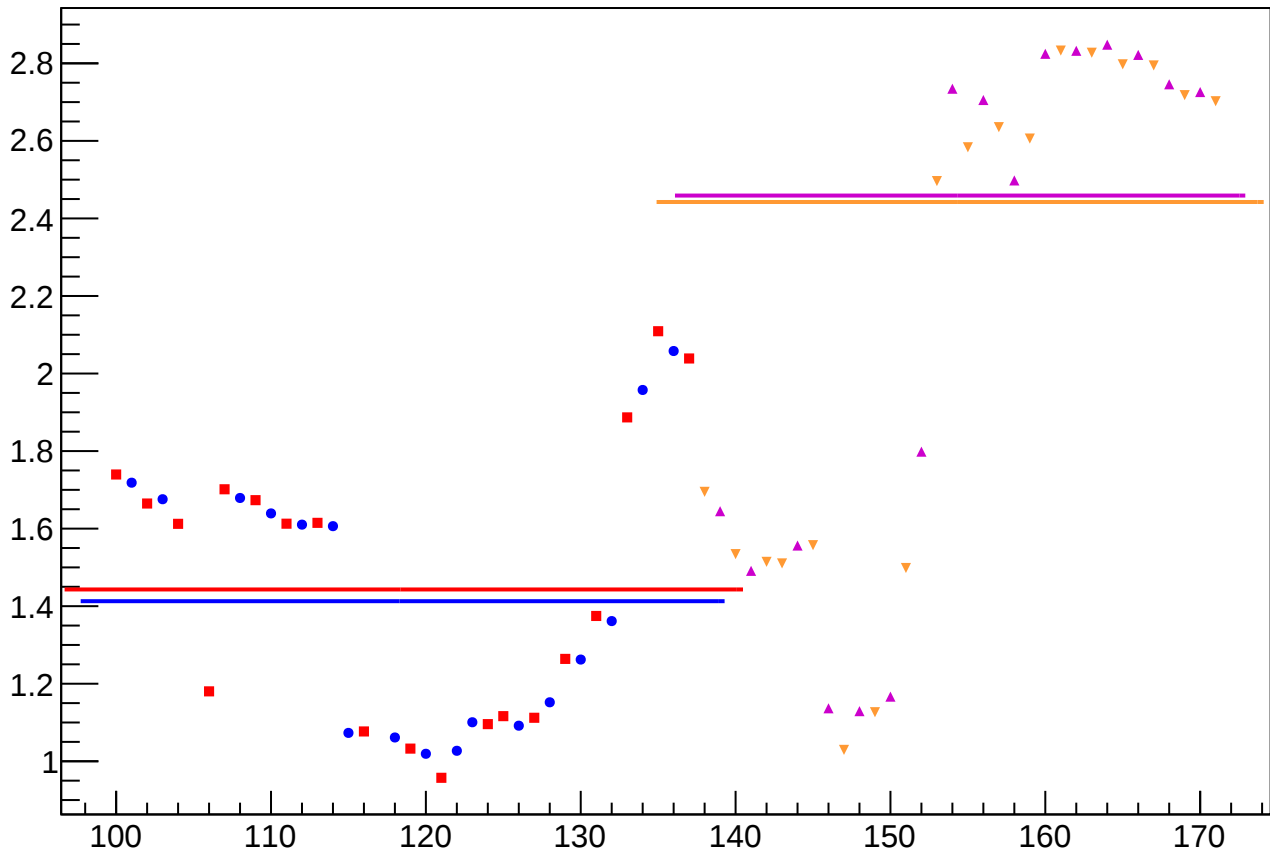
Left In: 0.005+/-0.000 χ^2/NDF : 2145282.7/15

+ sign 0.005+/-0.000 χ^2/NDF : 2855634.1/34

All: 0.005+/-0.000 χ^2/NDF : 5768072.4/69

- sign 0.005+/-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: 2.442+/-0.000 χ^2/NDF : 235081929470.2/17

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

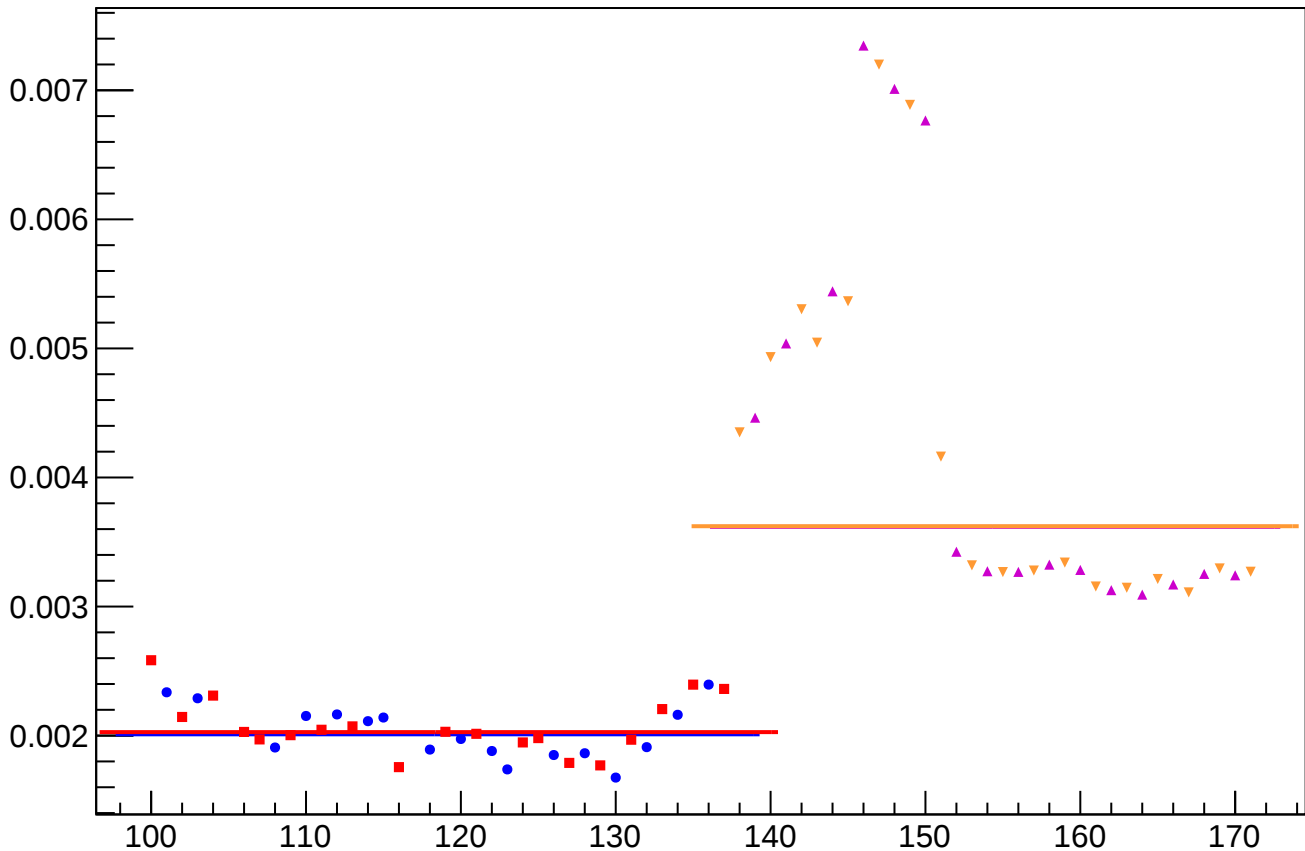
Left In: 2.459+/-0.000 χ^2/NDF : 230753557951.5/15

+ sign 1.797+/-0.000 χ^2/NDF : 1011034000897.5/34

All: 1.795+/-0.000 χ^2/NDF : 1977349183666.

- 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 :1294093.2/17

Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

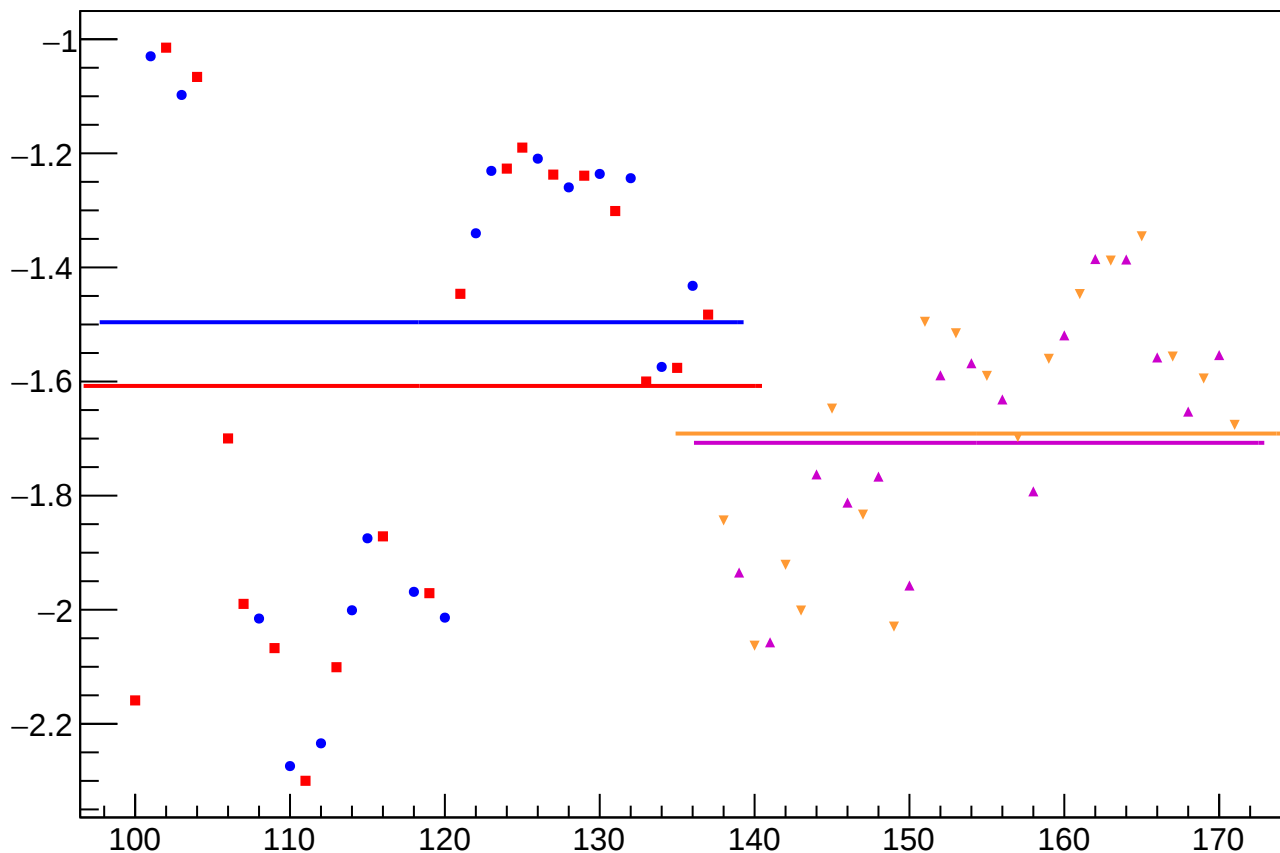
Left In: 0.004+/-0.000 χ^2/NDF :1465791.5/15

+ sign 0.003+/-0.000 χ^2/NDF : 4406052.4/34

All: 0.003+/-0.000 χ^2/NDF : 8735260.3/69

- 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: -1.691 ± 0.000 χ^2/NDF : 15679264559.4/17

Right Out: -1.608 ± 0.000 χ^2/NDF : 27836461057.4/18

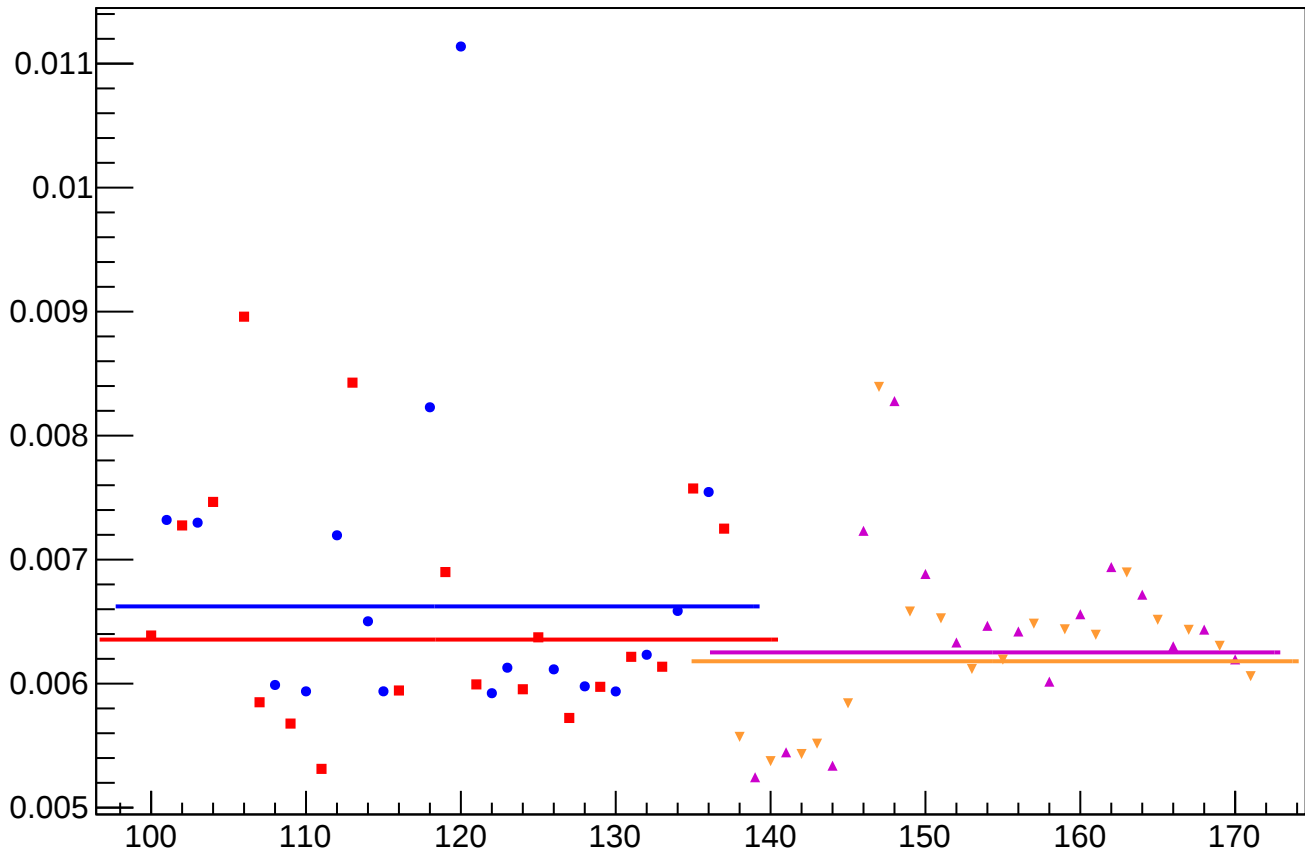
Left In: -1.707 ± 0.000 χ^2/NDF : 11240422481.5/15

+ sign -1.634 ± 0.000 χ^2/NDF : 41932801747.4/34

All: -1.653 ± 0.000 χ^2/NDF : 82405172709.4/34

- sign -1.672 ± 0.000 χ^2/NDF : 40126102120.0/34

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 232630.4/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:227085.1/17

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 227861.1/18

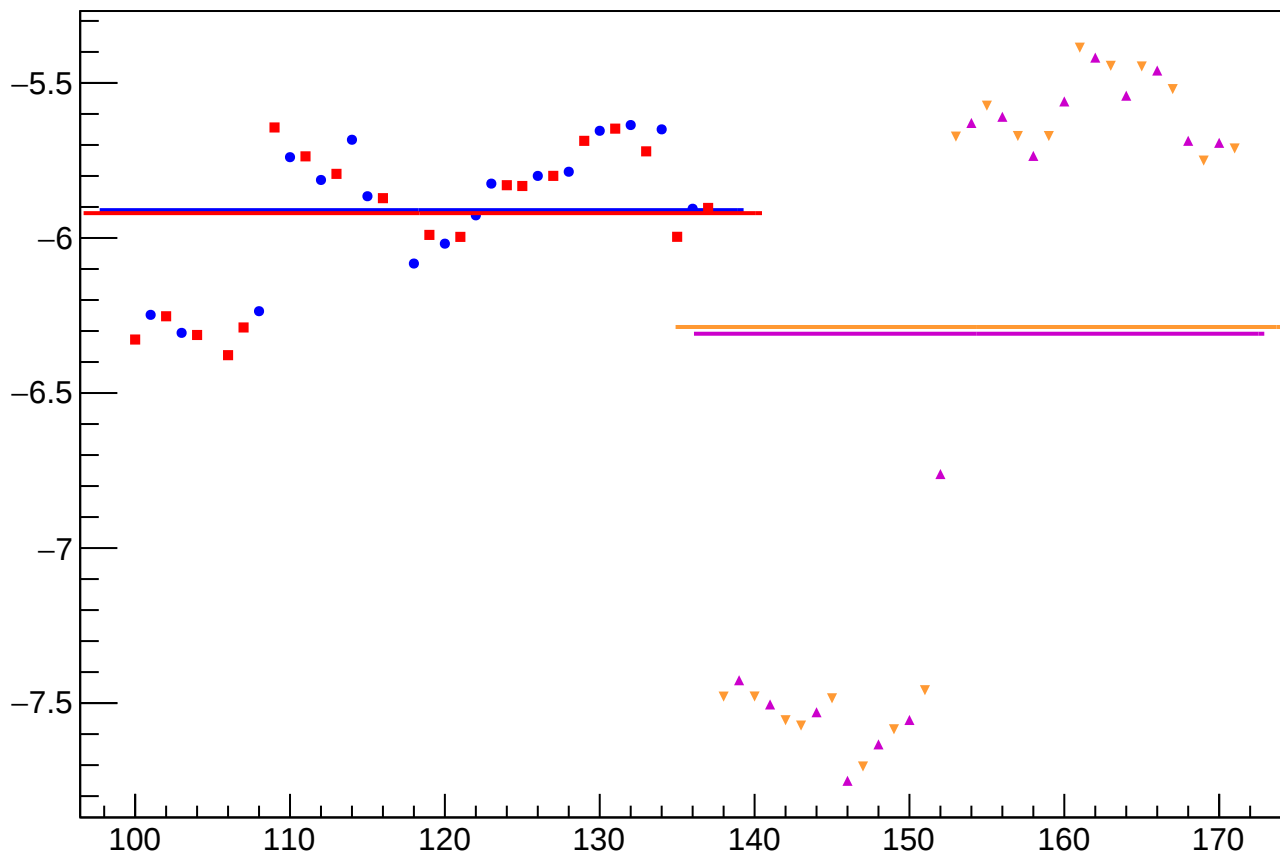
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:288417.0/15

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 498057.1/34

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1016824.6/69

- sign 0.006 $\pm$ 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: -6.287+/-0.000 χ^2/NDF : 167268461975.3/17

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

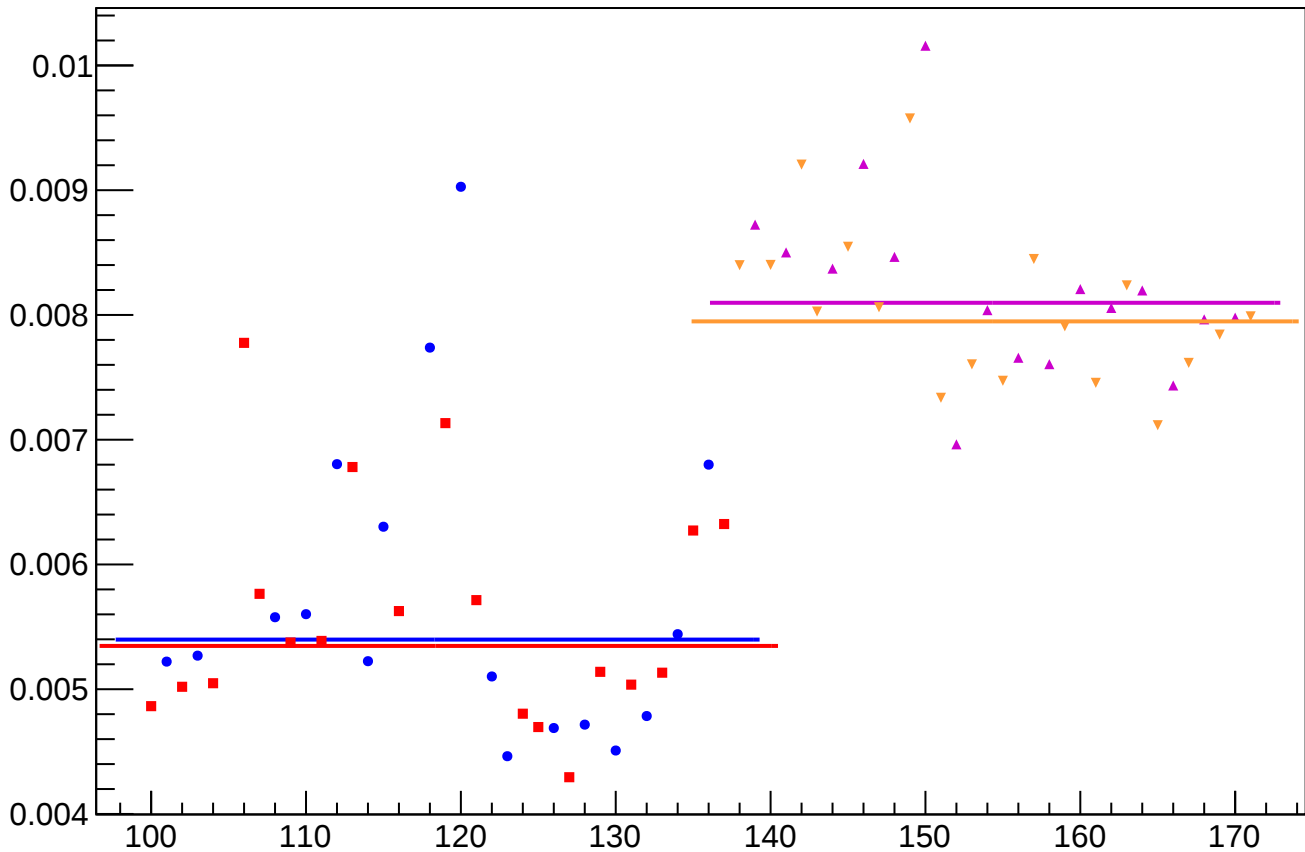
Left In: -6.309+/-0.000 χ^2/NDF : 138469915116.6/15

+ sign -6.092+/-0.000 χ^2/NDF : 192286929111.8/34

All: -6.090+/-0.000 χ^2/NDF : 358140298914.3

- 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 :115771.1/17

Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

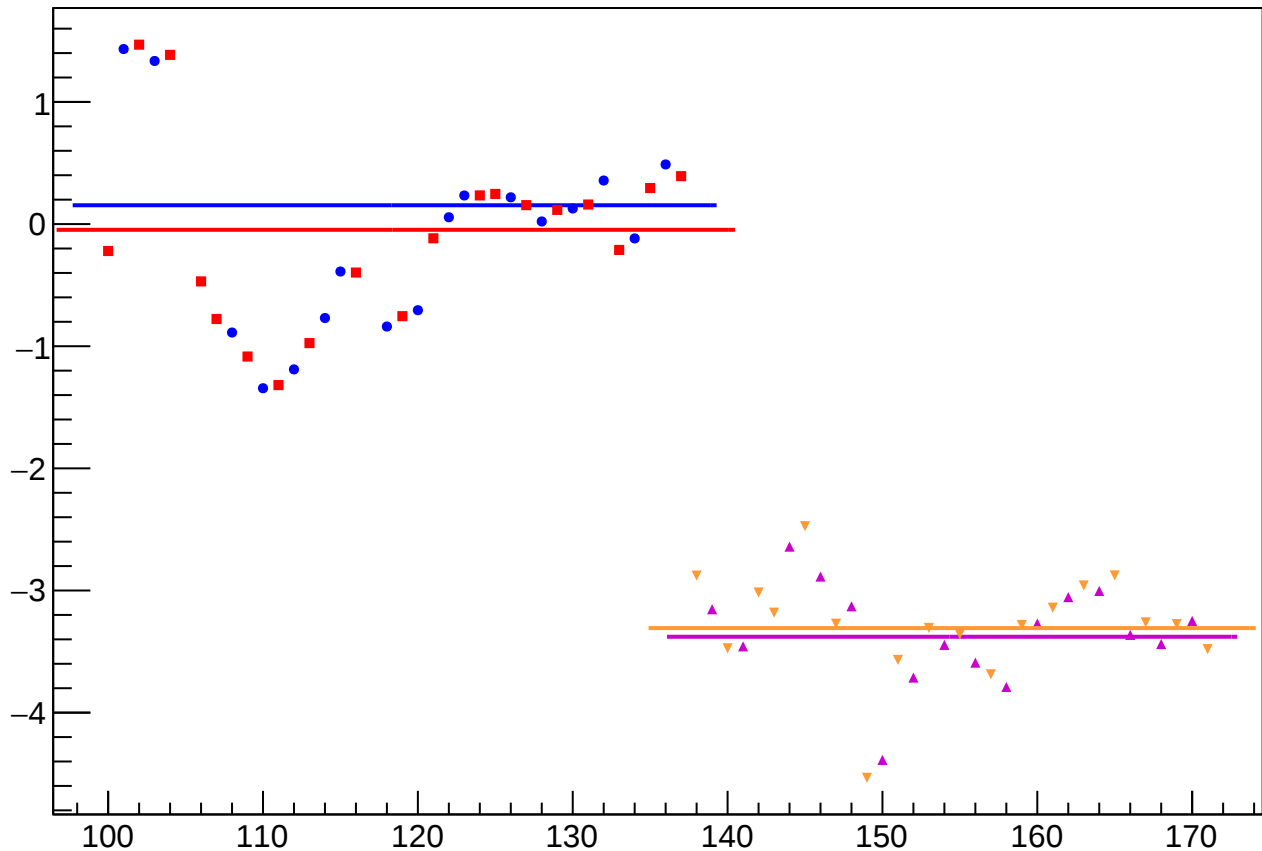
Left In: 0.008+/-0.000 χ^2/NDF :151912.0/15

+ sign 0.007+/-0.000 χ^2/NDF : 1757224.1/34

All: 0.007+/-0.000 χ^2/NDF : 3621503.3/69

- 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: -3.308+/-0.000 χ^2/NDF : 8055261396.6/17

Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

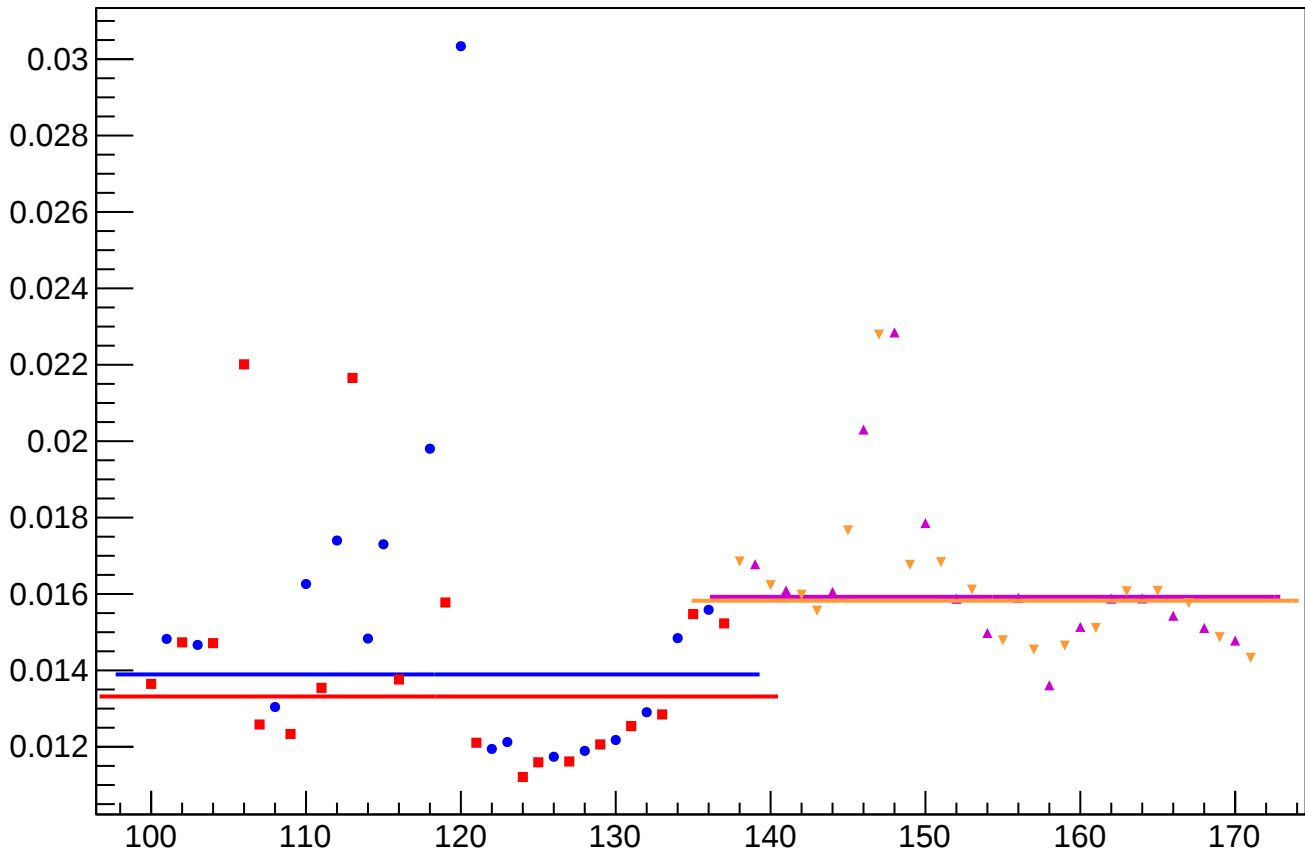
Left In: -3.379+/-0.000 χ^2/NDF : 6924468619.6/15

+ sign -2.011+/-0.000 χ^2/NDF : 254895947250.5/34

All: -1.963+/-0.000 χ^2/NDF : 510315932149.9

- 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:221564.9/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 291358.0/18

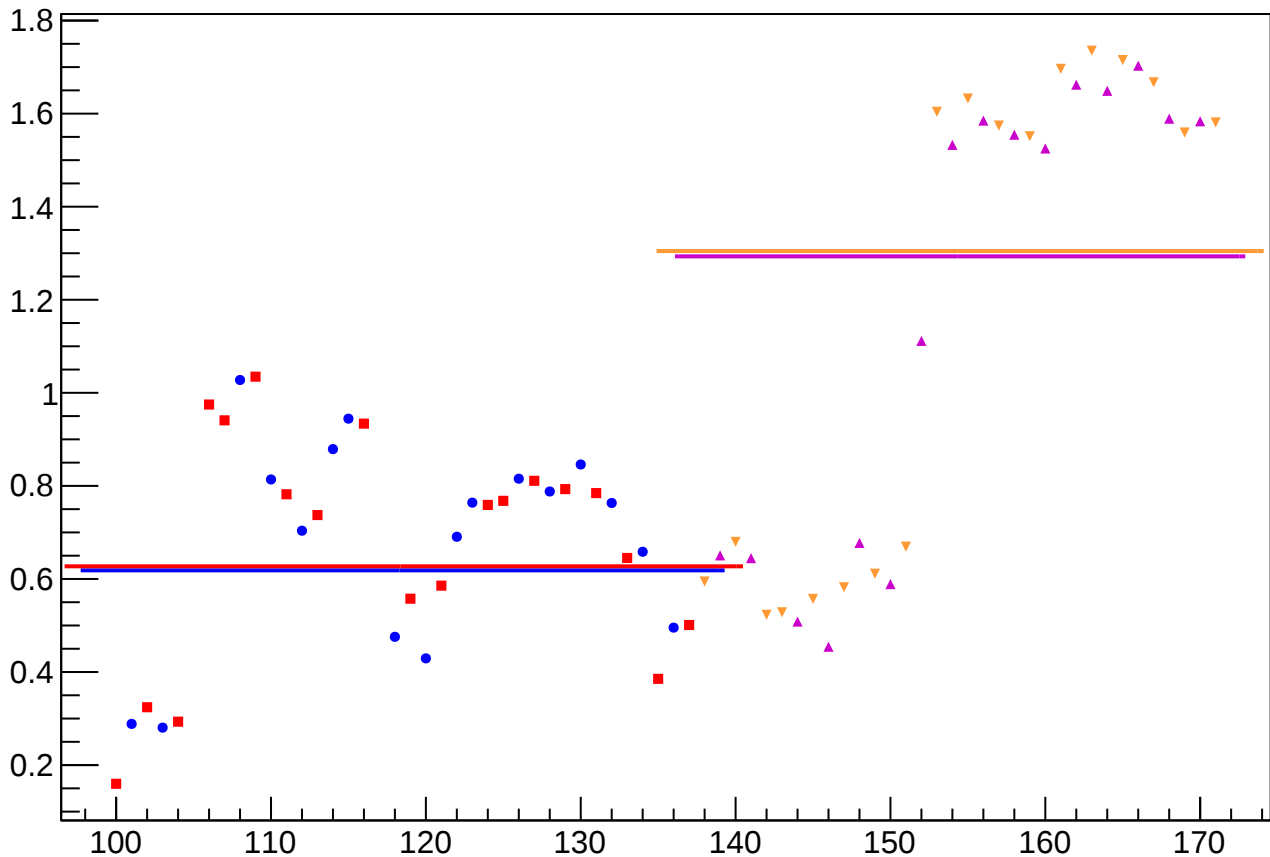
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:293630.9/15

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 764983.2/34

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 1636668.9/69

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 863242.6/34

yield_bpm0l02Y_mean vs Slug



Right In: 0.619 $\pm$ 0.000 χ^2 /NDF: 5416939288.1/16

Left Out: 1.305 $\pm$ 0.000 χ^2 /NDF: 68420931737.5/17

Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6337935219.4/18

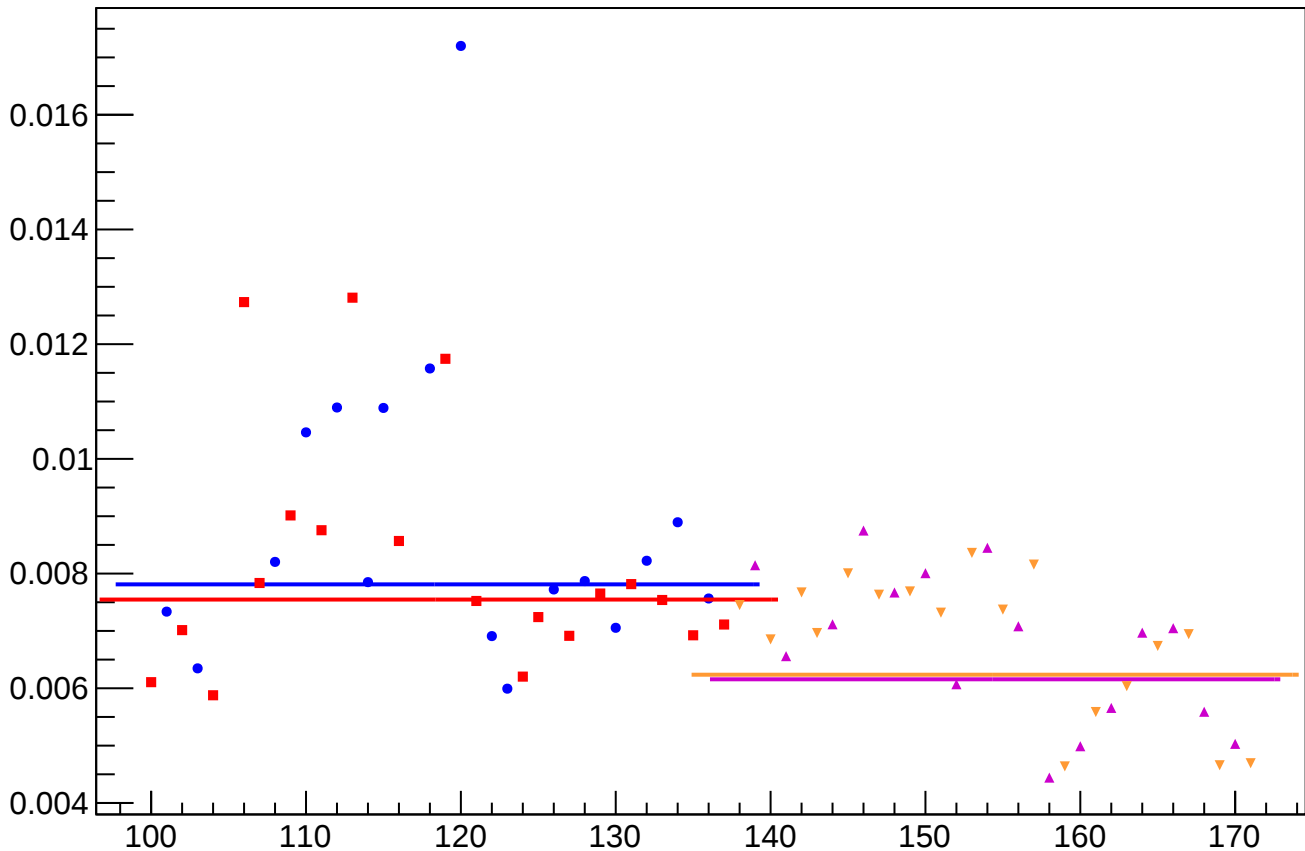
Left In: 1.293 $\pm$ 0.000 χ^2 /NDF: 56855150503.3/15

+ sign 1.142 $\pm$ 0.000 χ^2 /NDF: 108066539918.6/34

All: 1.128 $\pm$ 0.000 χ^2 /NDF: 206704817228.9

- sign 1.115 $\pm$ 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:1066282.5/17

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 441823.4/18

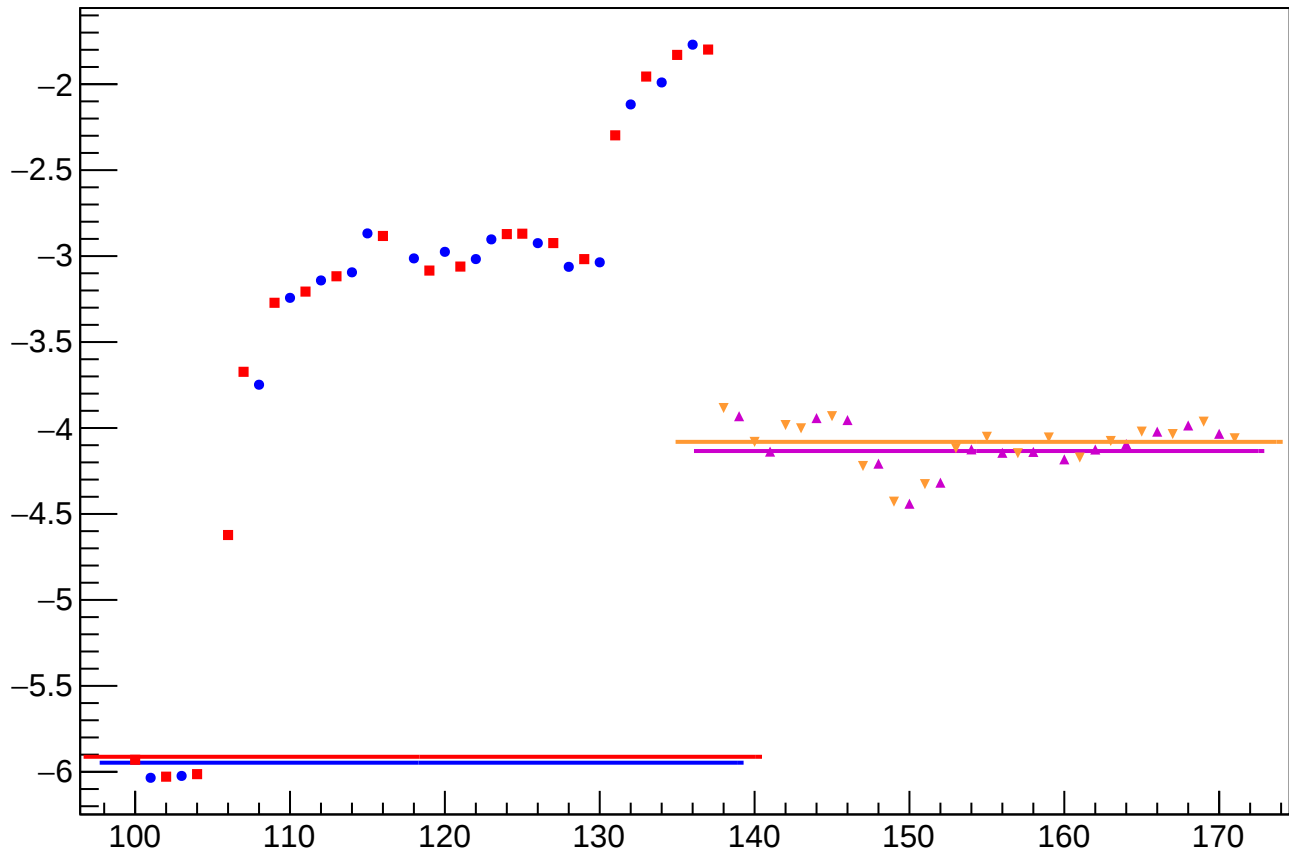
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:971528.4/15

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1893986.0/34

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3617697.8/69

- 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 : 33875769.3/17

Right Out: -5.912+/-0.000 χ^2/NDF : 14619971495.0/18

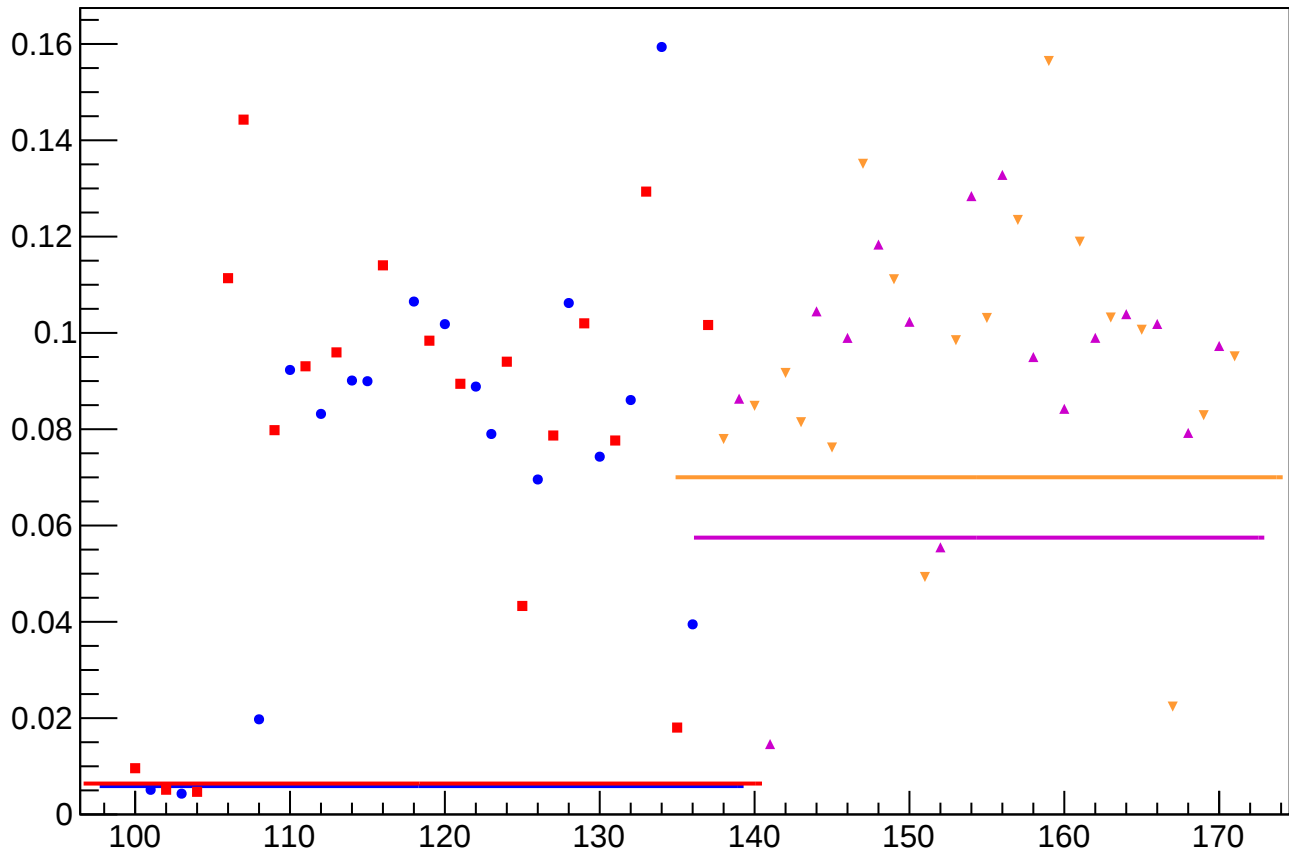
Left In: -4.134+/-0.000 χ^2/NDF : 25035001.6/15

+ sign -5.877+/-0.000 χ^2/NDF : 19424196080.7/34

All: -5.853+/-0.000 χ^2/NDF : 40101057232.7

- 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: 0.070 $\pm$ 0.000 χ^2 /NDF:4601142.1/17

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8498586.9/18

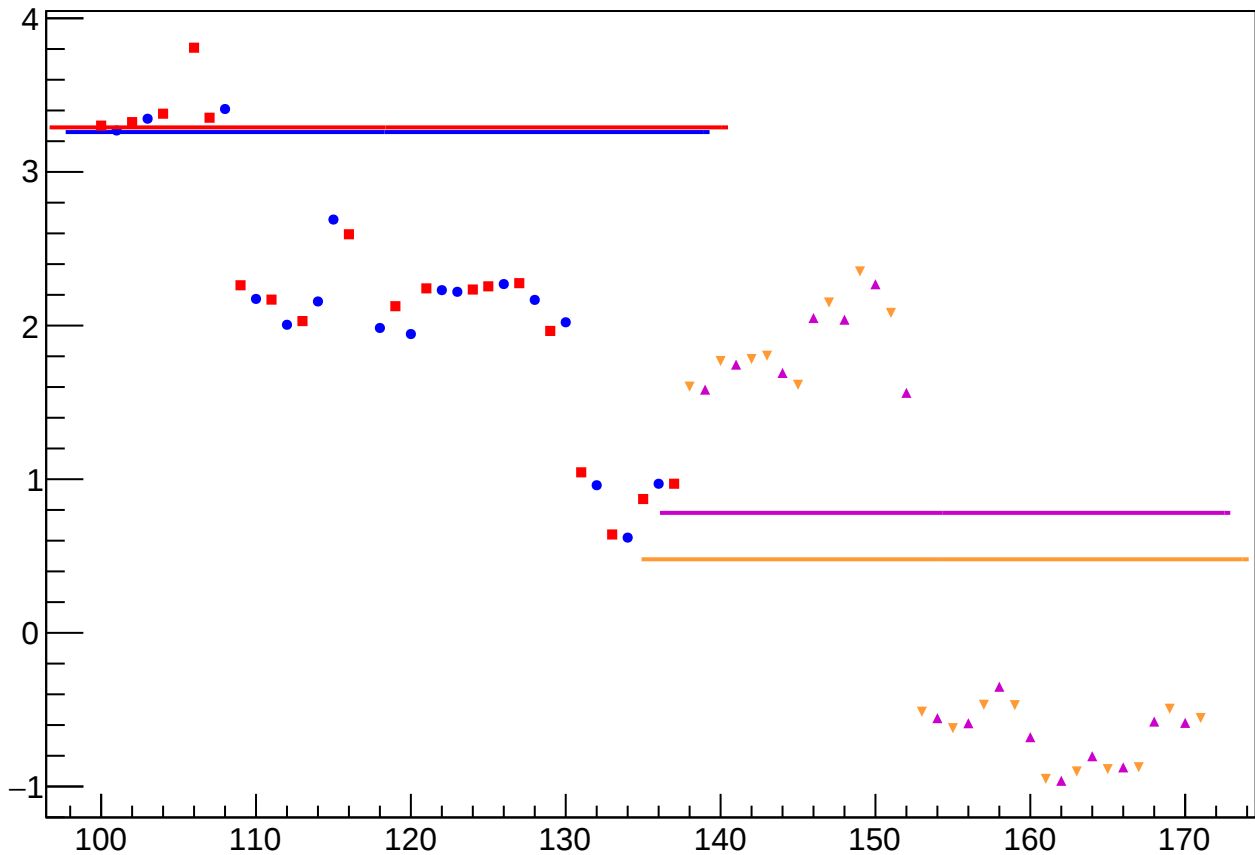
Left In: 0.057 $\pm$ 0.000 χ^2 /NDF:6707706.9/15

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 27234290.7/34

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 52306426.4/69

- 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: 0.479 $\pm$ 0.000 χ^2 /NDF: 2736511123.2/17

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3262231575.5/18

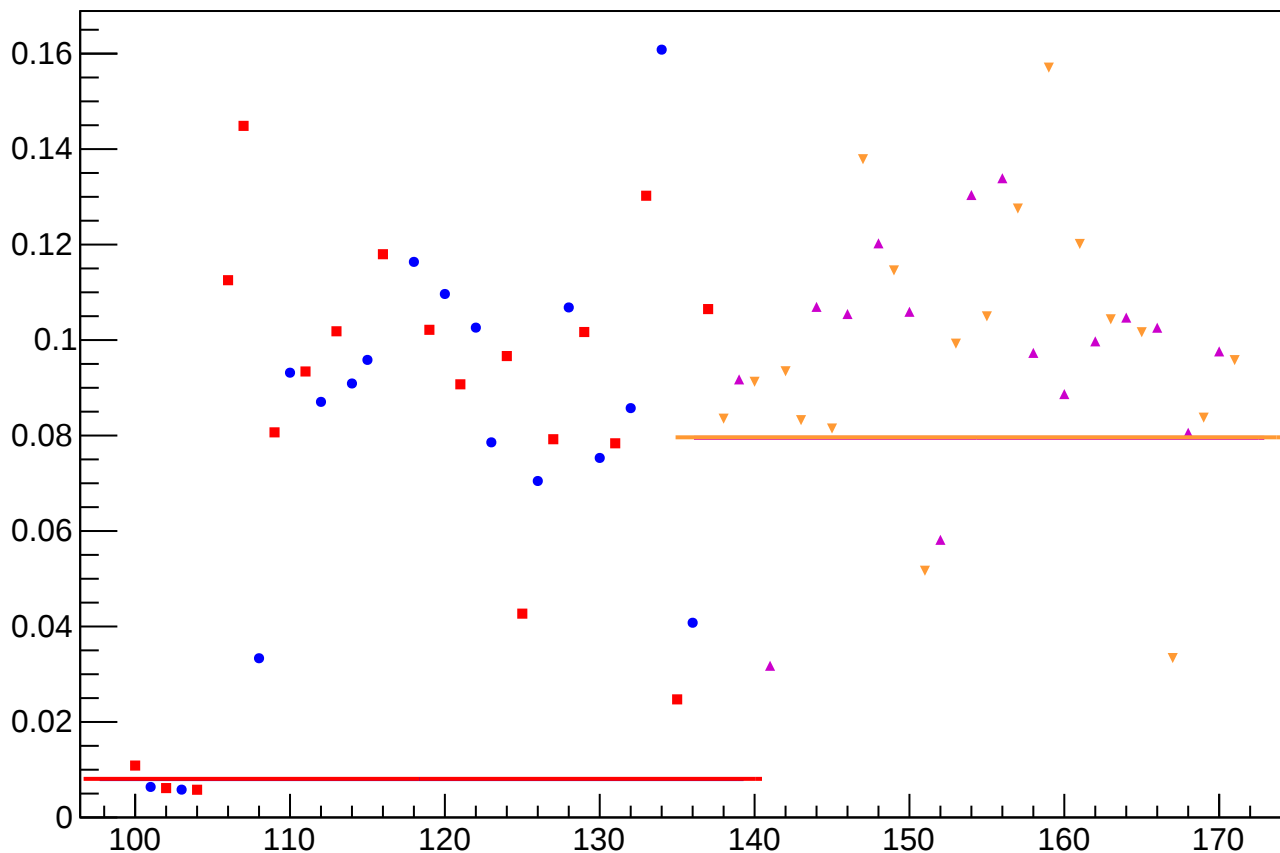
Left In: 0.781 $\pm$ 0.000 χ^2 /NDF: 2004018343.1/15

+ sign 3.115 $\pm$ 0.000 χ^2 /NDF: 17220539585.7/34

All: 3.139 $\pm$ 0.000 χ^2 /NDF: 30751446309.2/6

- sign 3.166 $\pm$ 0.000 χ^2 /NDF: 13492843079.7/34

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 7742048.1/16

Left Out: 0.080+/-0.000 χ^2/NDF : 3012078.4/17

Right Out: 0.008+/-0.000 χ^2/NDF : 8309426.5/18

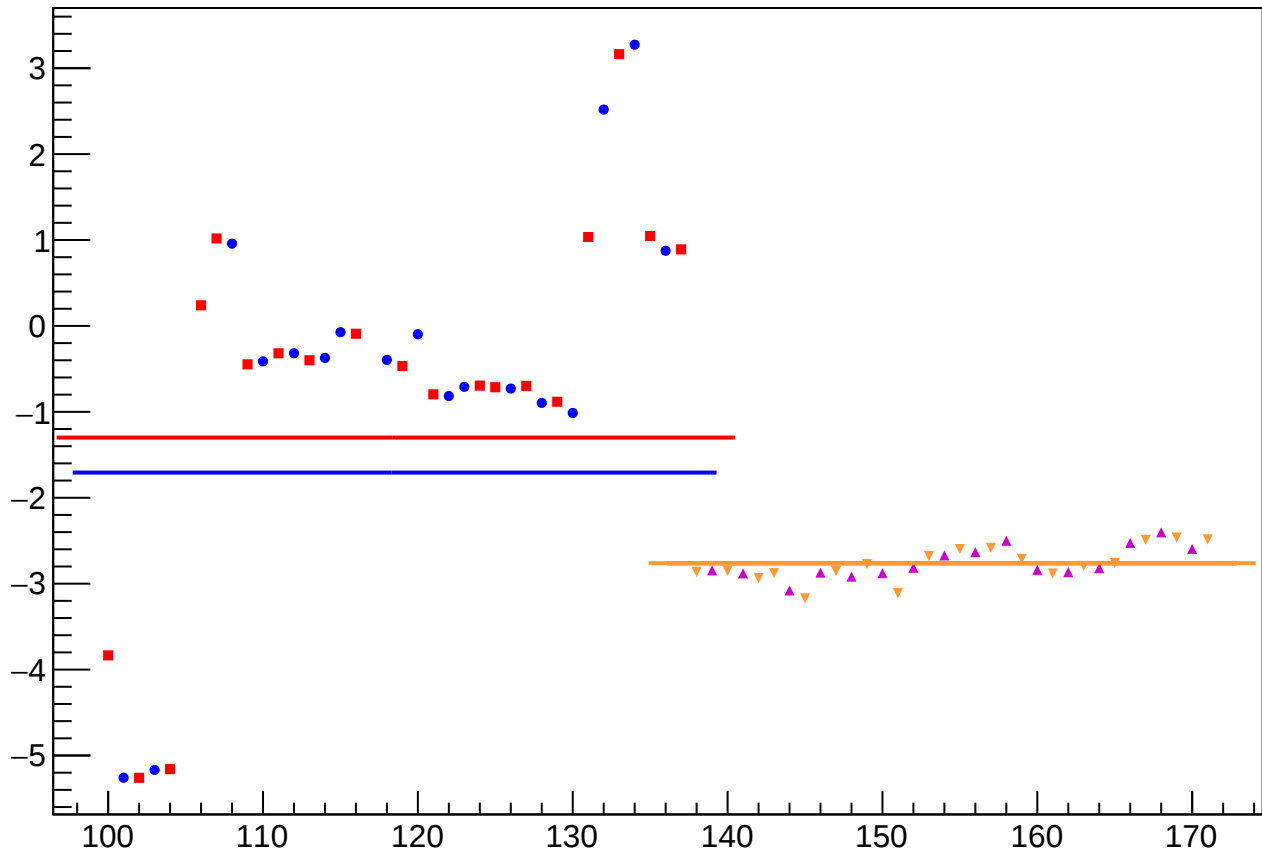
Left In: 0.080+/-0.000 χ^2/NDF : 2800827.4/15

+ sign 0.012+/-0.000 χ^2/NDF : 26080581.6/34

All: 0.012+/-0.000 χ^2/NDF : 50527106.1/69

- sign 0.012+/-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: -2.761+/-0.000 χ^2/NDF : 8393667779.6/17

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

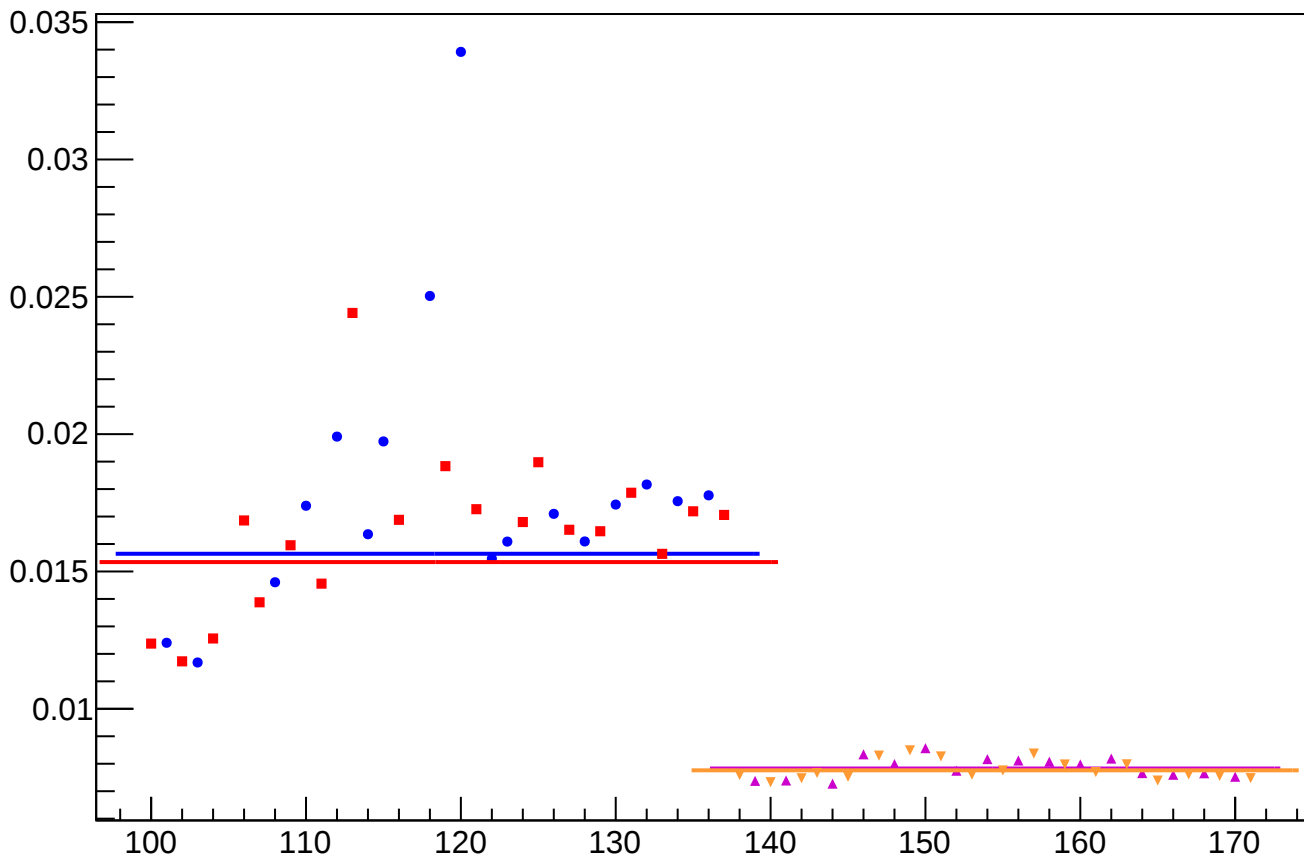
Left In: -2.763+/-0.000 χ^2/NDF : 6524643380.7/15

+ sign -2.659+/-0.000 χ^2/NDF : 197515408238.8/34

All: -2.625+/-0.000 χ^2/NDF : 432337661990.8

- 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: 0.015 $\pm$ 0.000 χ^2 /NDF: 49348.1/17

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 353806.7/18

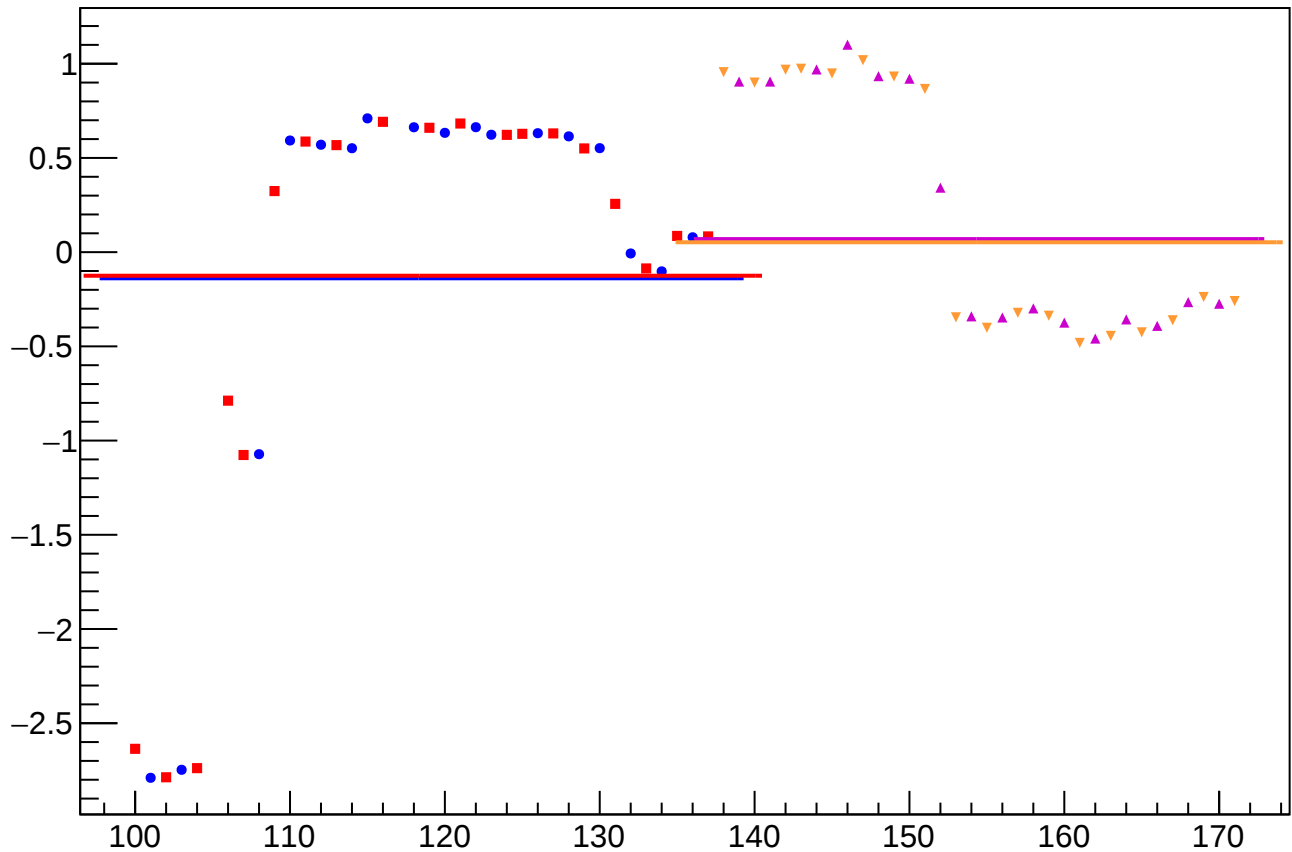
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 53577.0/15

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3199256.7/34

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6236598.7/69

- 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: 0.052 ± 0.000 χ^2/NDF : 125331122700.3/17

Right Out: -0.125 ± 0.000 χ^2/NDF : 761496762534.7/18

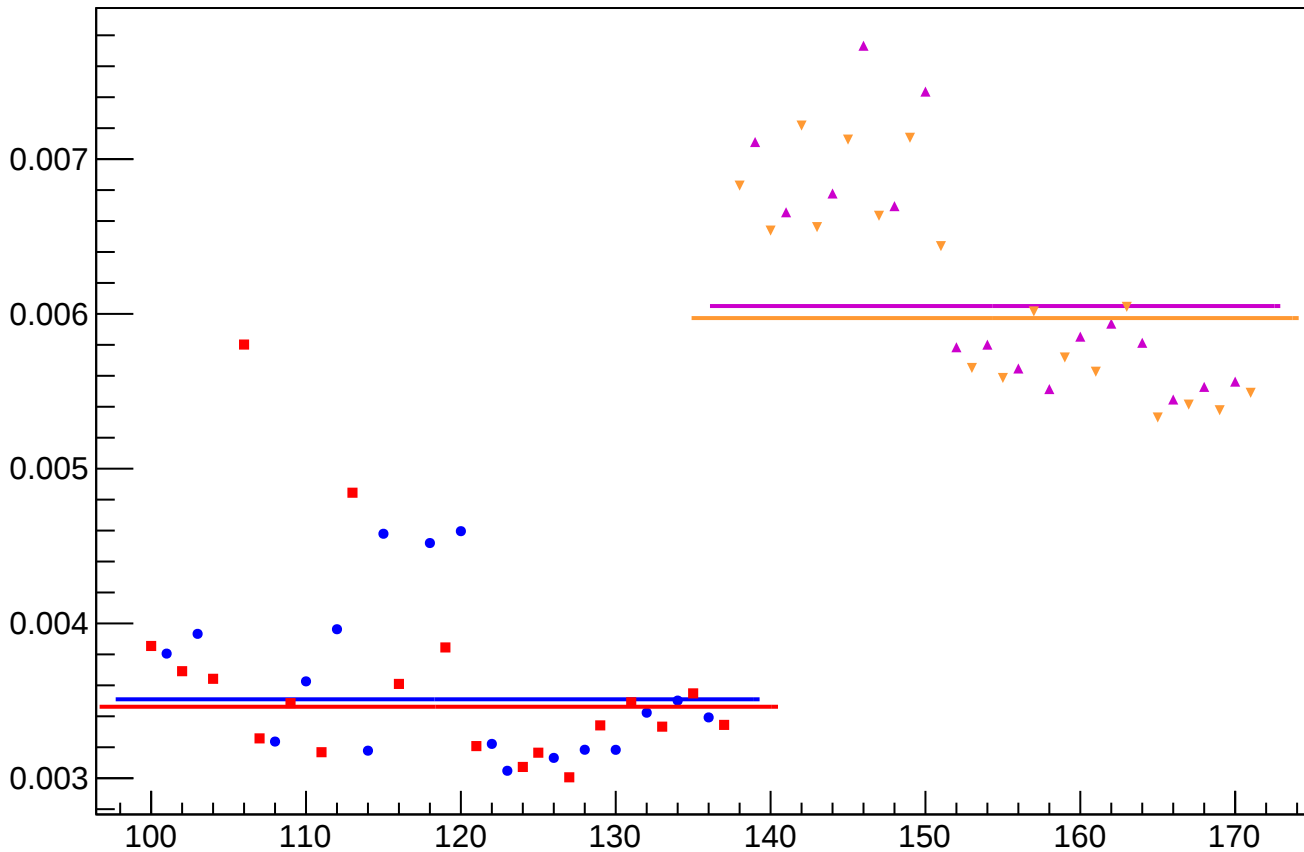
Left In: 0.069 ± 0.000 χ^2/NDF : 103354127967.1/15

+ sign -0.063 ± 0.000 χ^2/NDF : 847849359507.0/34

All: -0.059 ± 0.000 χ^2/NDF : 1720275345390

- sign -0.056 ± 0.000 χ^2/NDF : 872406702889.6/34

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 171337.9/16

Left Out: 0.006+/-0.000 χ^2/NDF :237116.1/17

Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

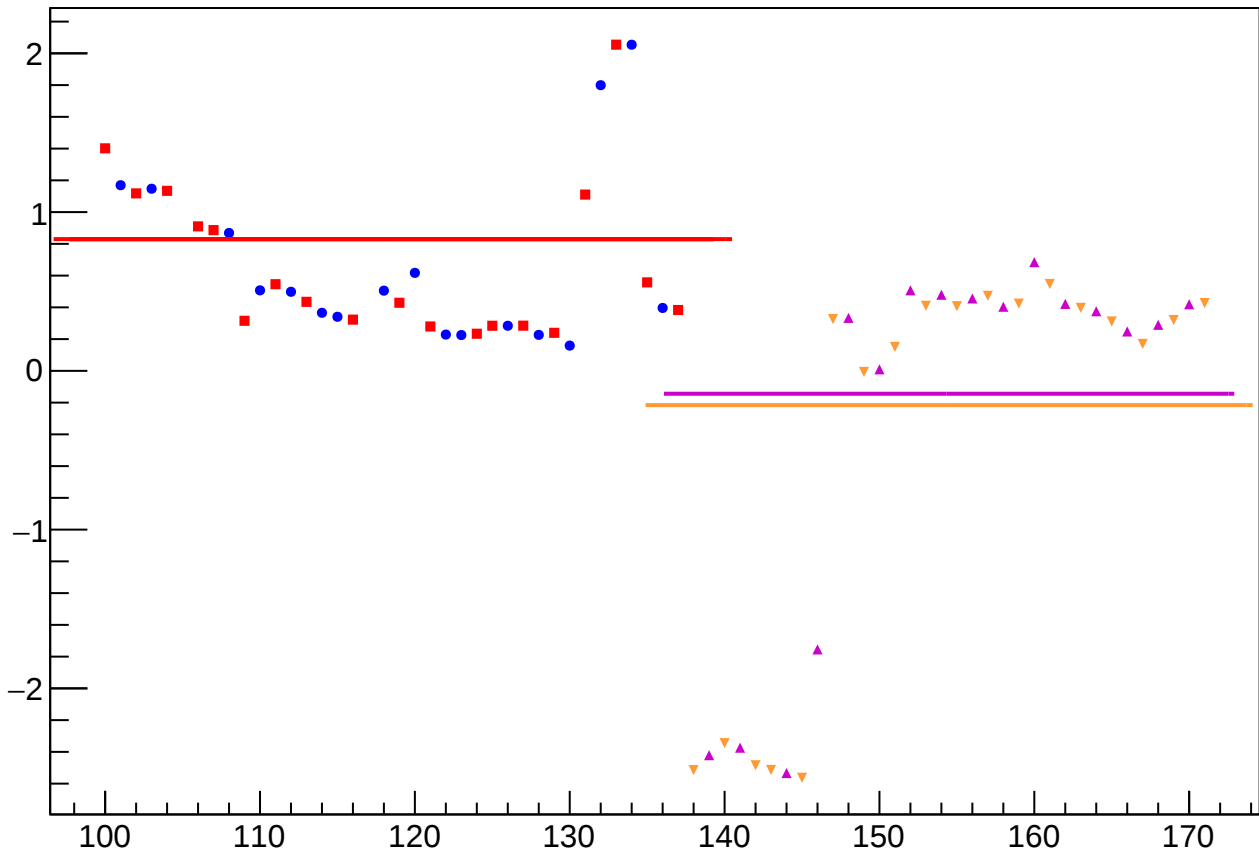
Left In: 0.006+/-0.000 χ^2/NDF :255185.5/15

+ sign 0.004+/-0.000 χ^2/NDF : 2887500.9/34

All: 0.004+/-0.000 χ^2/NDF : 6046886.5/69

- sign 0.004+/-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

Left Out: -0.216 ± 0.000 χ^2/NDF : 469935645137.3/17

Right Out: 0.830 ± 0.000 χ^2/NDF : 33335665437.8/18

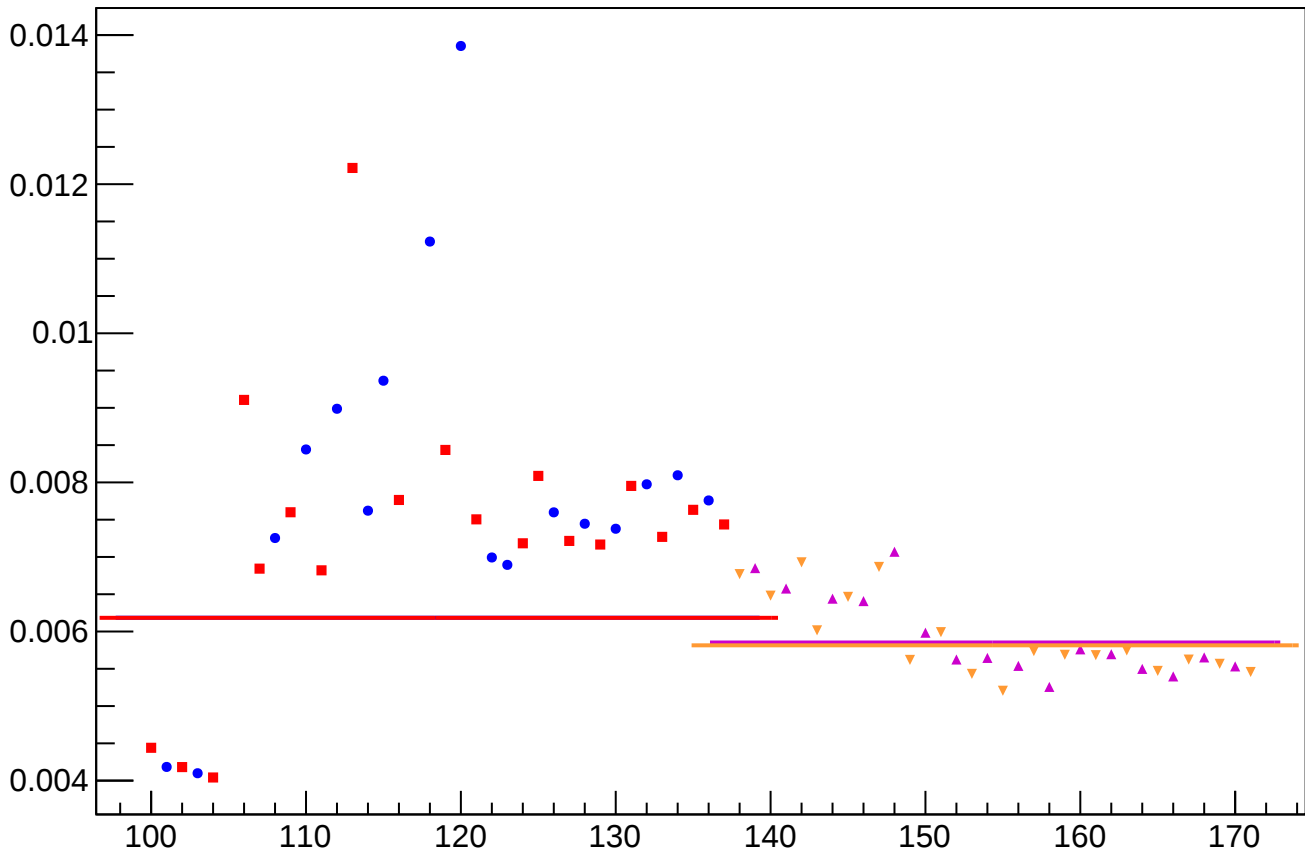
Left In: -0.144 ± 0.000 χ^2/NDF : 399422847239.3/15

+ sign 0.070 ± 0.000 χ^2/NDF : 611847625370.0/34

All: 0.113 ± 0.000 χ^2/NDF : 1146104255163.0/34

- sign 0.156 ± 0.000 χ^2/NDF : 532390533225.6/34

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 : 159749.4/17

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

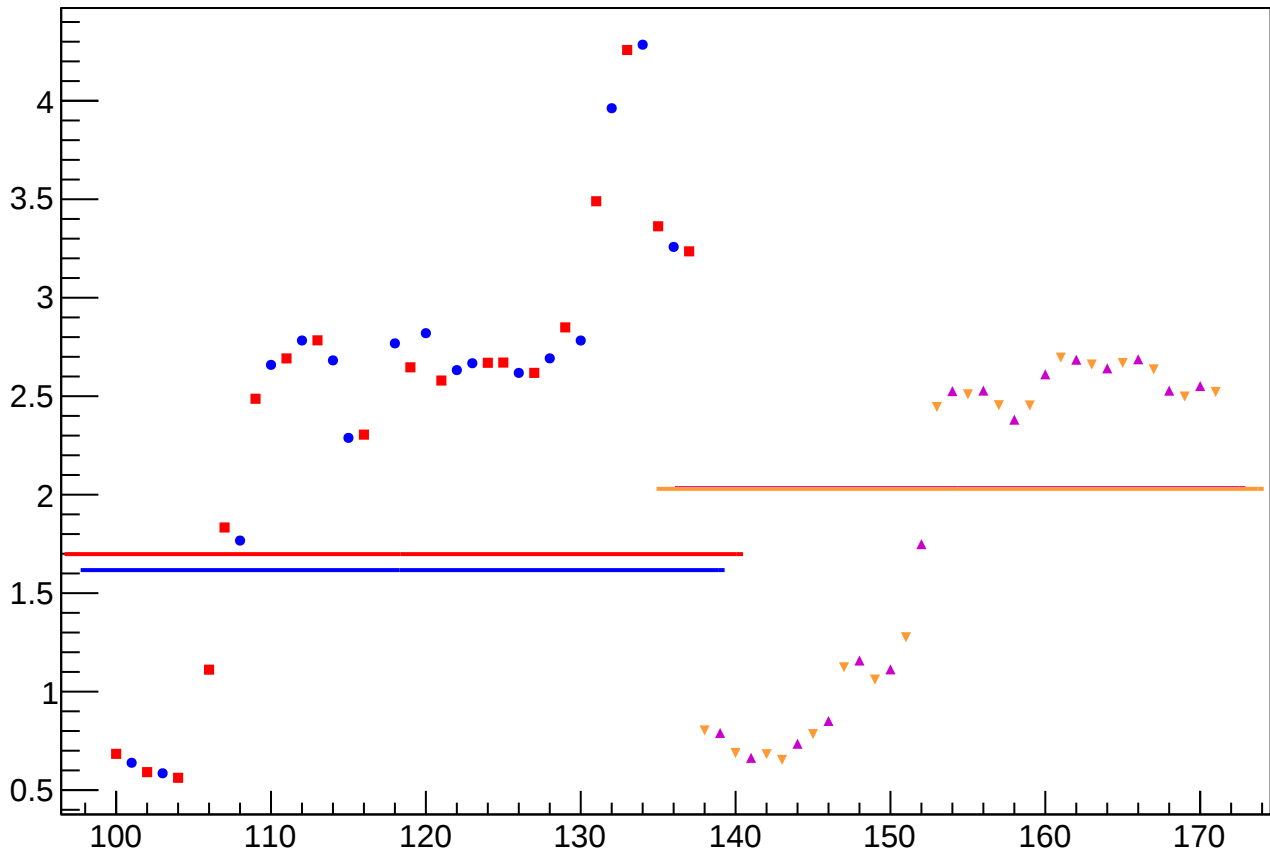
Left In: 0.006+/-0.000 χ^2/NDF : 165976.4/15

+ sign 0.006+/-0.000 χ^2/NDF : 1416360.9/34

All: 0.006+/-0.000 χ^2/NDF : 2632944.3/69

- 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: 2.030+/-0.000 χ^2/NDF : 259166737171.9/17

Right Out: 1.698+/-0.000 χ^2/NDF : 227408345801.7/18

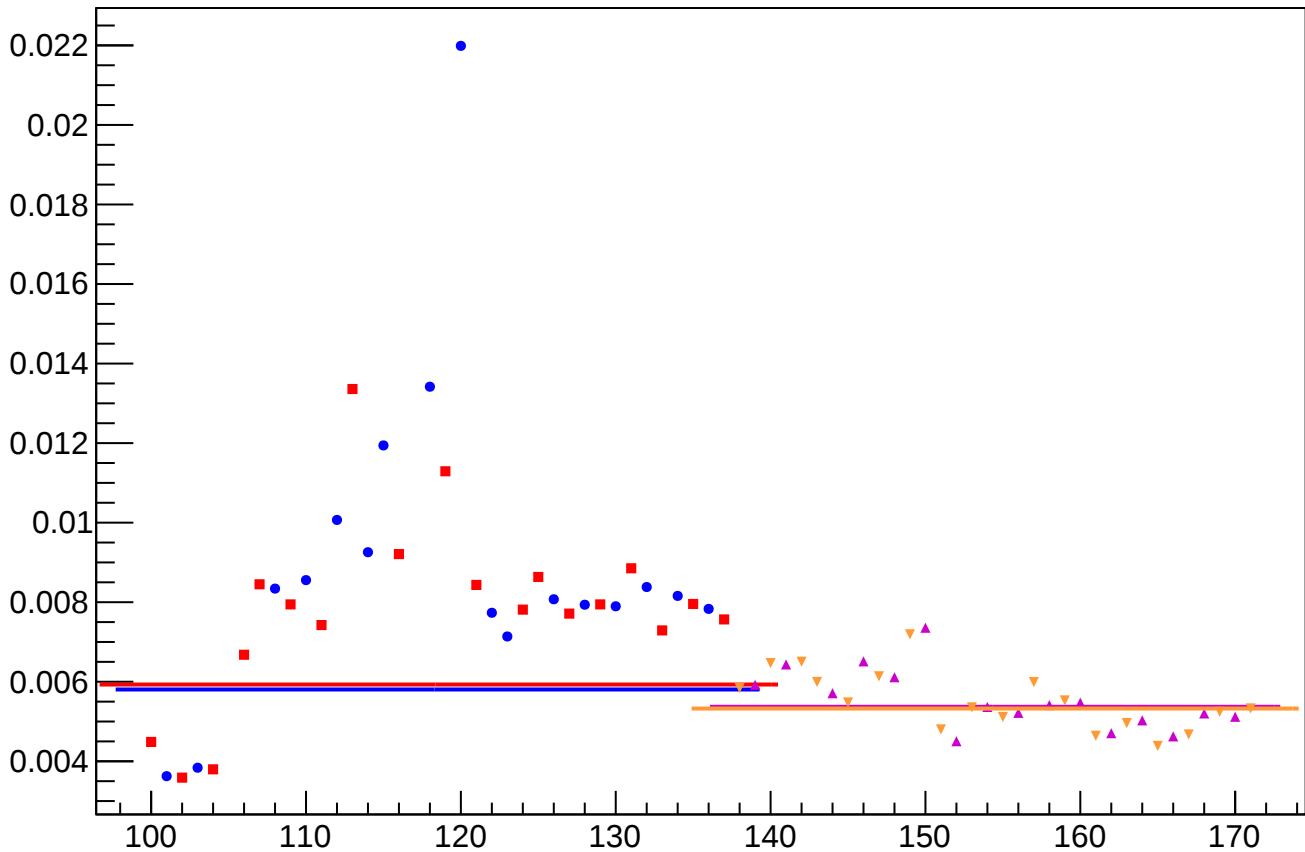
Left In: 2.034+/-0.000 χ^2/NDF : 220621441532.6/15

+ sign 1.924+/-0.000 χ^2/NDF : 480230165701.7/34

All: 1.932+/-0.000 χ^2/NDF : 940629591703.1

- 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 : 361446.5/17

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

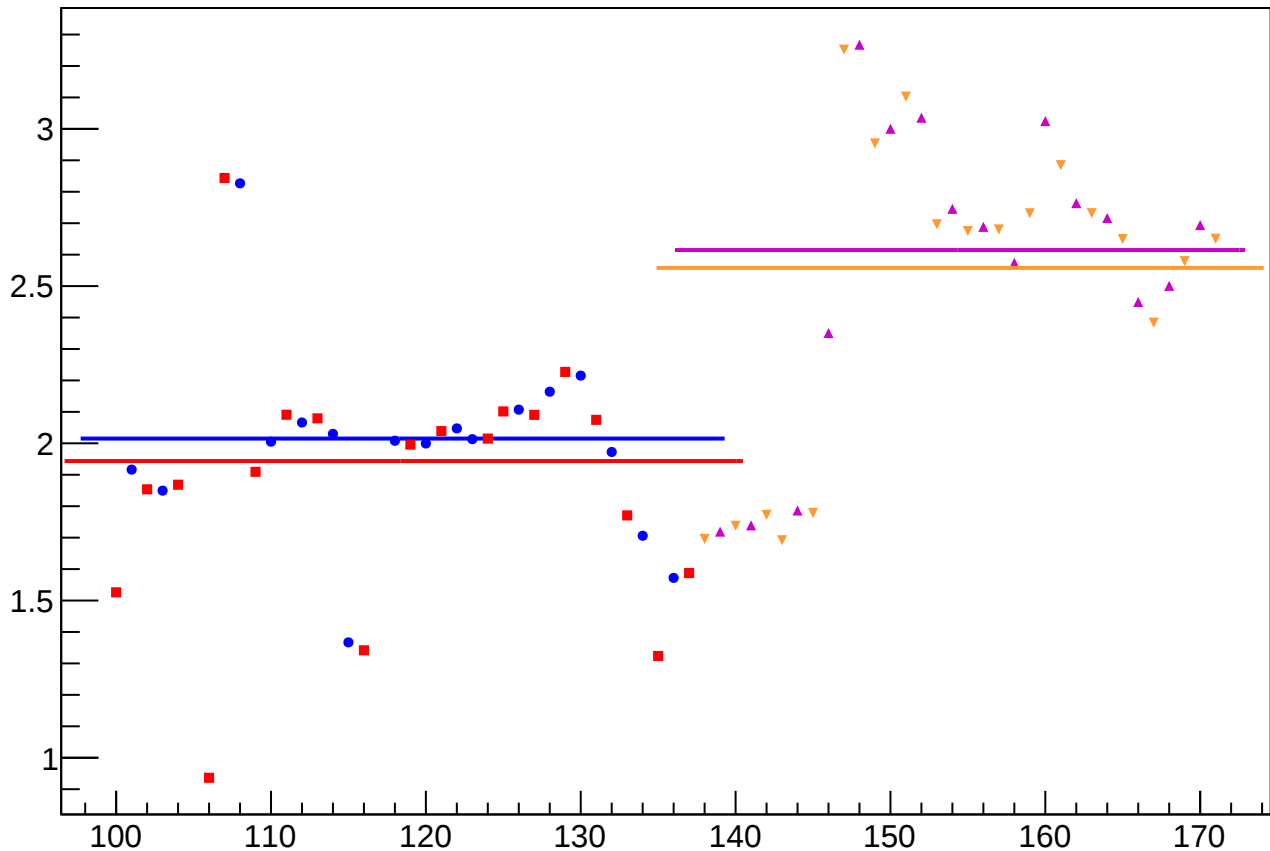
Left In: 0.005+/-0.000 χ^2/NDF : 346391.4/15

+ sign 0.005+/-0.000 χ^2/NDF : 2328370.0/34

All: 0.005+/-0.000 χ^2/NDF : 4432359.6/69

- 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: 2.558 $\pm$ 0.000 χ^2 /NDF: 48705166189.1/17

Right Out: 1.944 $\pm$ 0.000 χ^2 /NDF: 21427099579.0/18

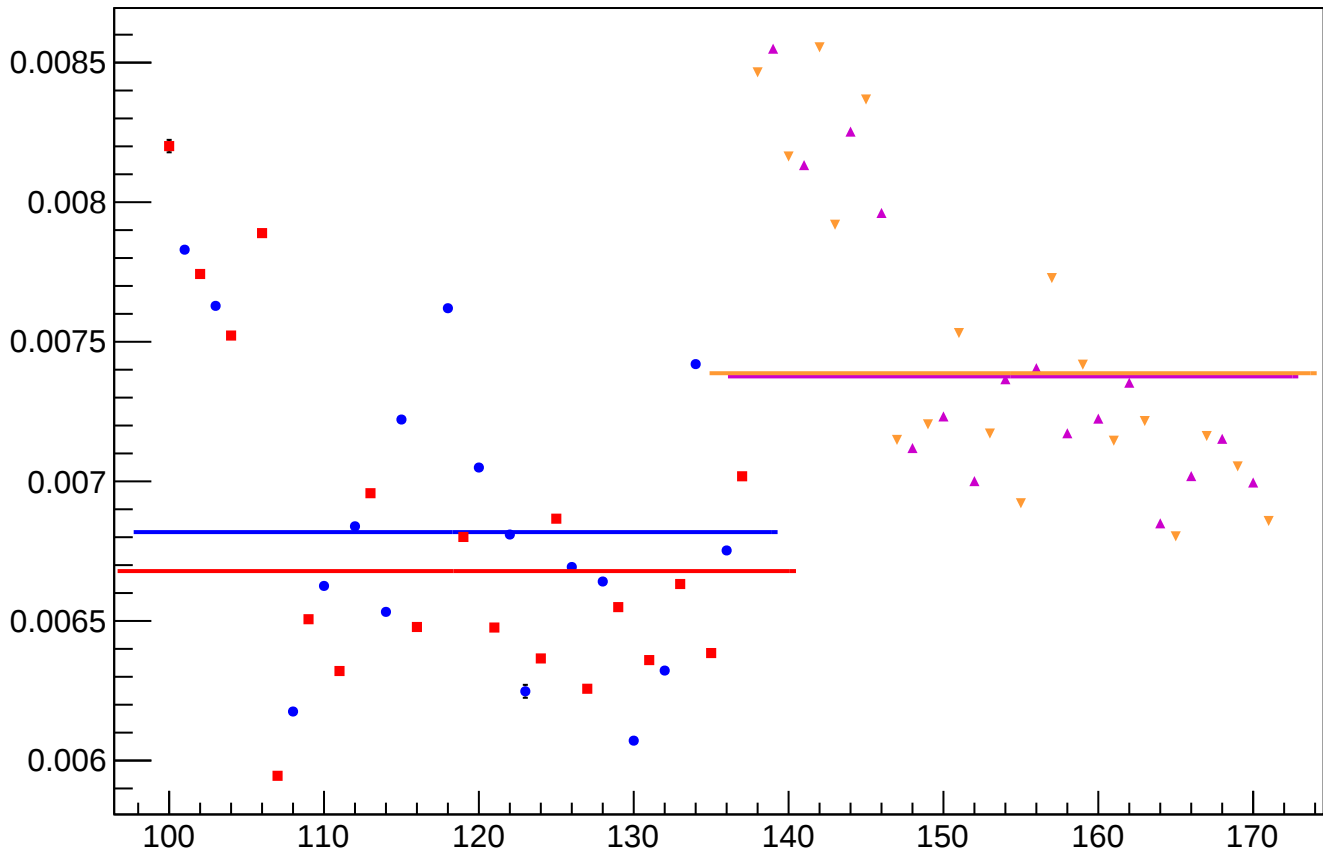
Left In: 2.615 $\pm$ 0.000 χ^2 /NDF: 41212045204.2/15

+ sign 2.357 $\pm$ 0.000 χ^2 /NDF: 86331315195.6/34

All: 2.348 $\pm$ 0.000 χ^2 /NDF: 189456985562.8

- sign 2.340 $\pm$ 0.000 χ^2 /NDF: 103068623432.8/34

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 75813.9/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:115282.9/17

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 75718.4/18

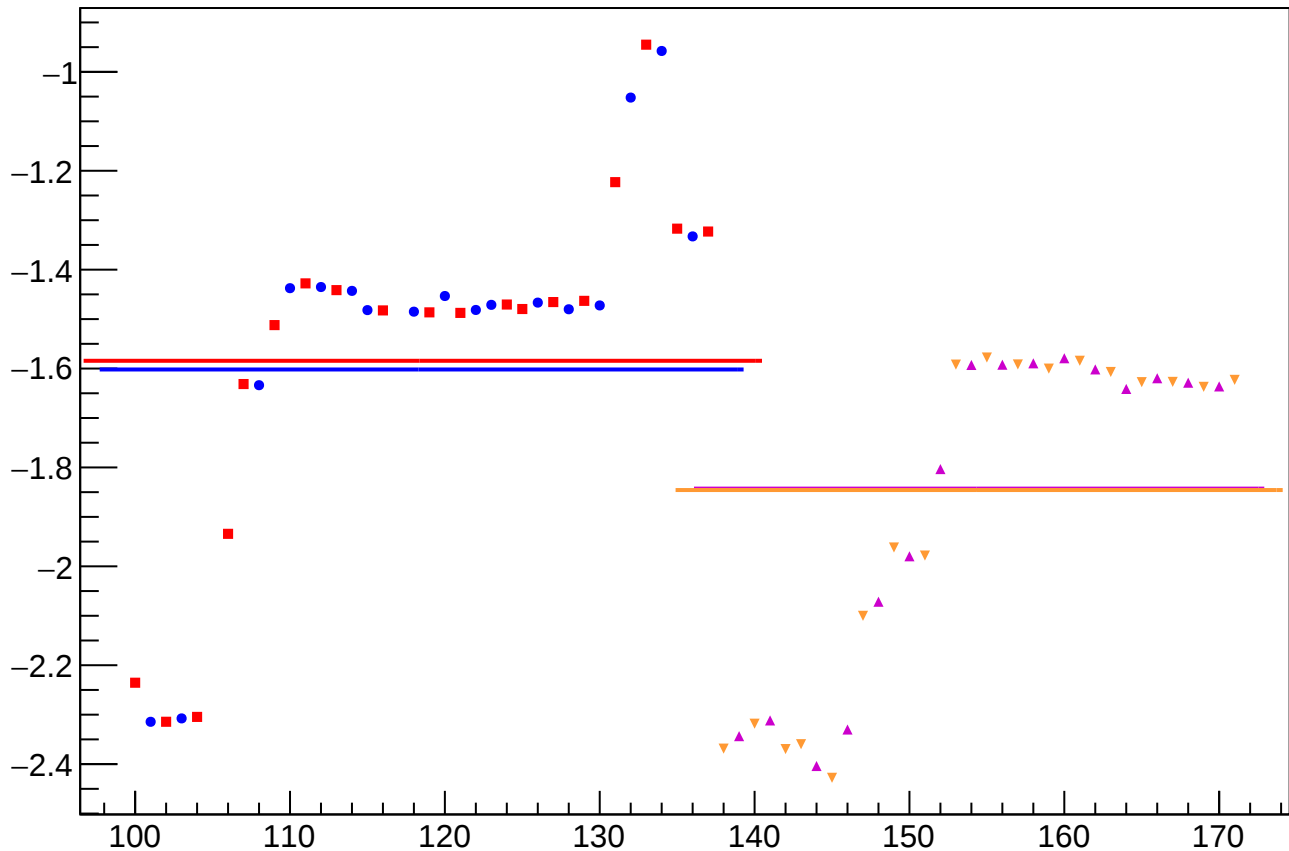
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:90304.1/15

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 246938.3/34

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 503054.4/69

- sign 0.007 $\pm$ 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: -1.846+/-0.000 χ^2/NDF : 168283272327.9/17

Right Out: -1.584+/-0.000 χ^2/NDF : 143578606614.3/18

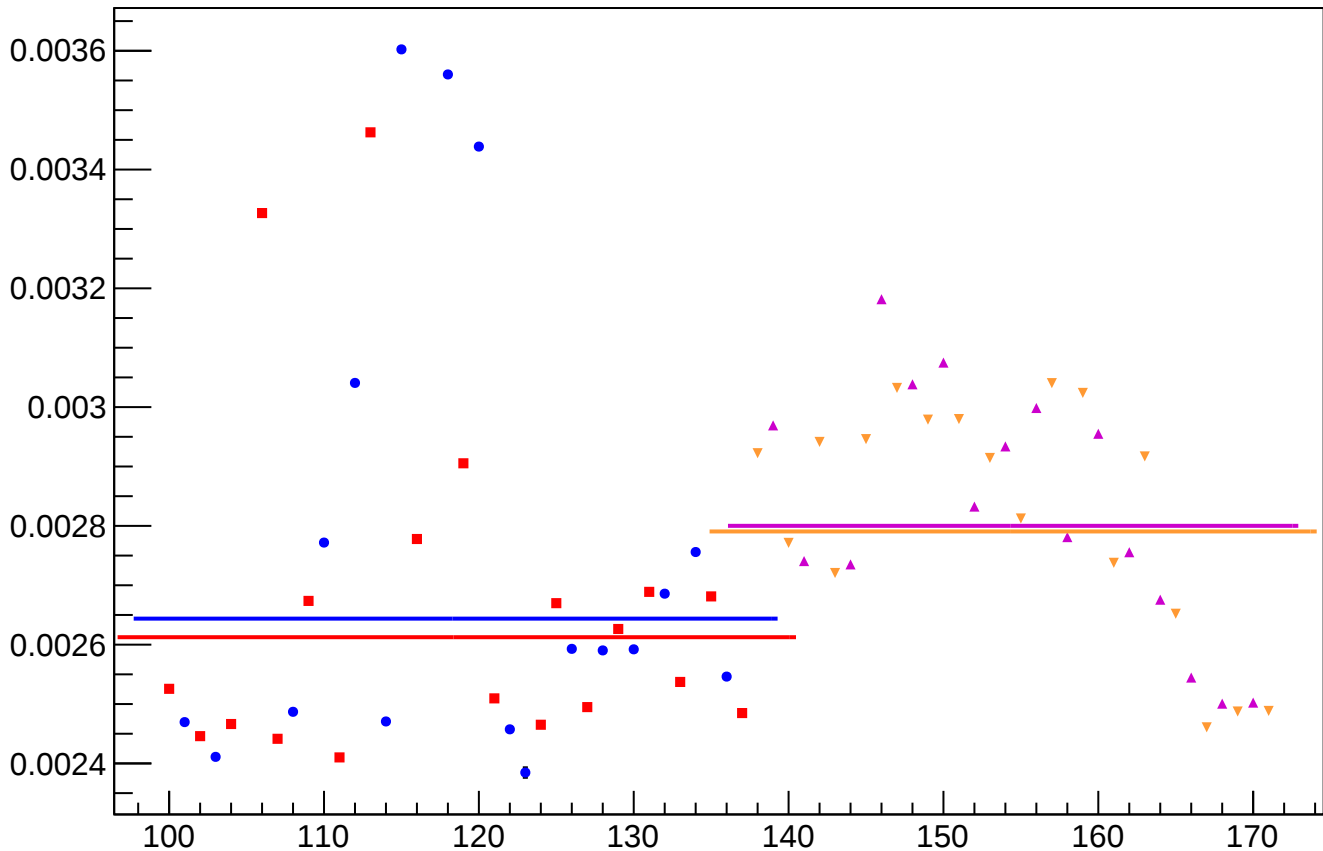
Left In: -1.843+/-0.000 χ^2/NDF : 146686004682.4/15

+ sign -1.759+/-0.000 χ^2/NDF : 342891865428.6/34

All: -1.750+/-0.000 χ^2/NDF : 673245471980.2

- 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:132516.0/17

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 105296.2/18

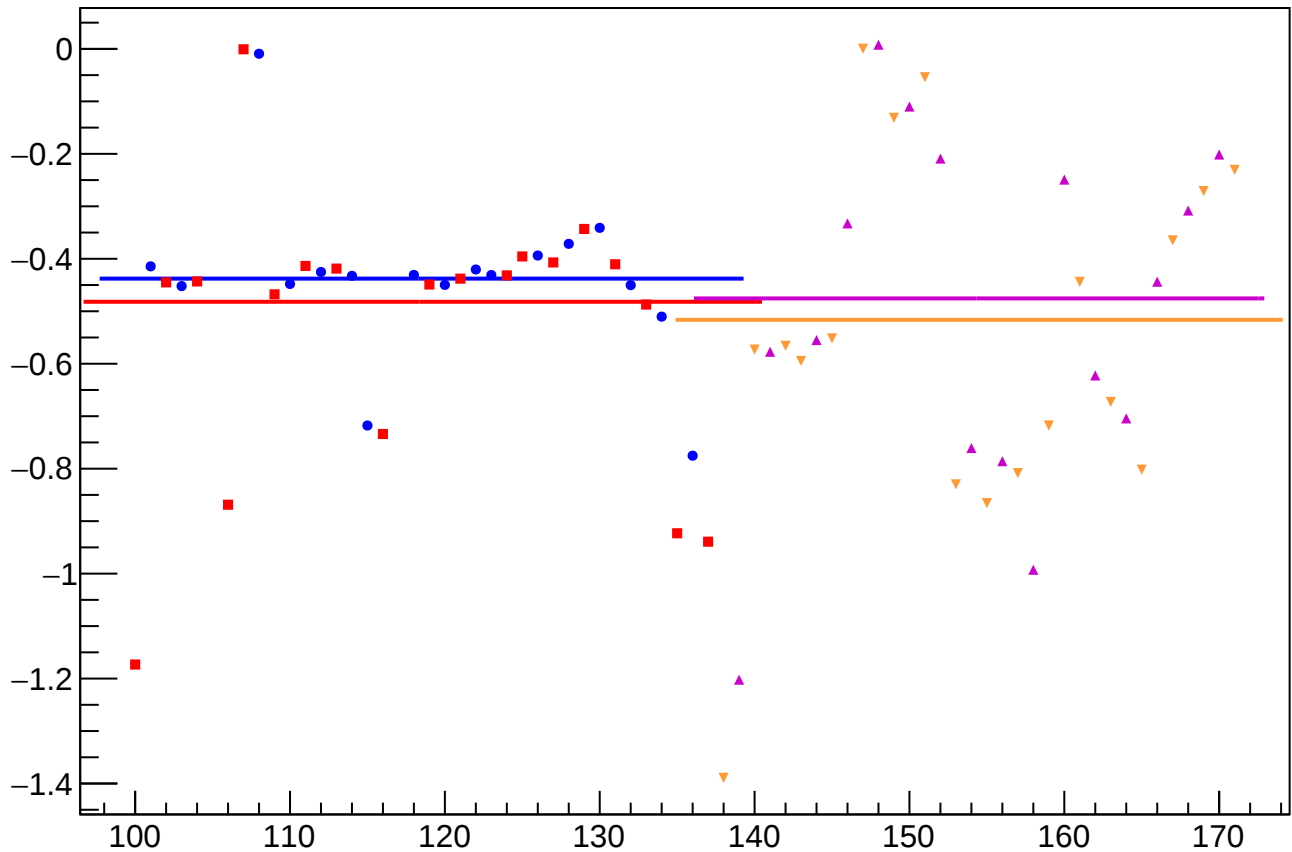
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:122226.0/15

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 308842.2/34

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 578505.1/69

- 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: -0.516+/-0.000 χ^2/NDF : 8927582865.6/17

Right Out: -0.482+/-0.000 χ^2/NDF : 2694625740.7/18

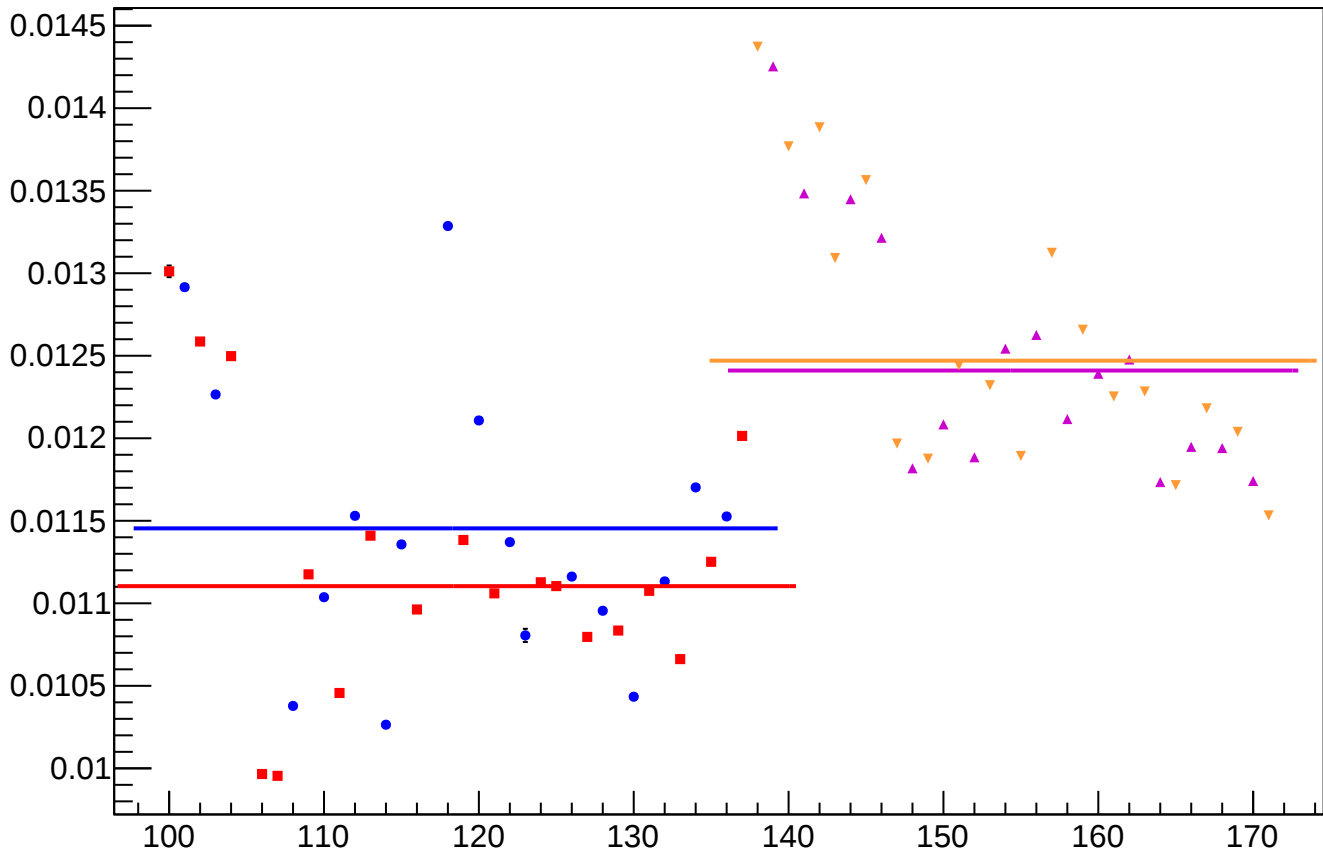
Left In: -0.476+/-0.000 χ^2/NDF : 7785569470.1/15

+ sign -0.487+/-0.000 χ^2/NDF : 10580223497.8/34

All: -0.483+/-0.000 χ^2/NDF : 21066705876.1/34

- 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: 0.012+/-0.000 χ^2/NDF : 89761.0/17

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

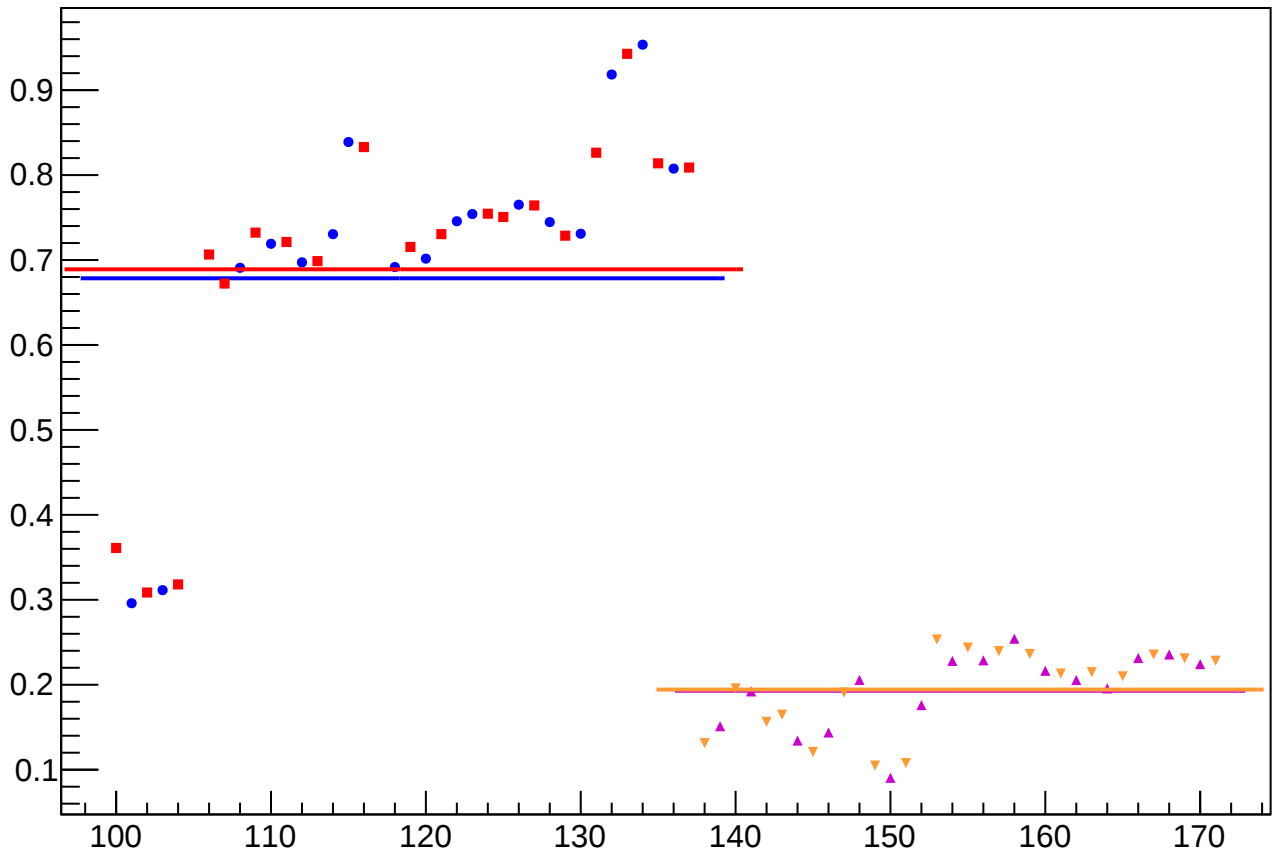
Left In: 0.012+/-0.000 χ^2/NDF : 69829.8/15

+ sign 0.012+/-0.000 χ^2/NDF : 218102.7/34

All: 0.012+/-0.000 χ^2/NDF : 462049.1/69

- 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: 0.194 $\pm$ 0.000 χ^2 /NDF: 6498223030.4/17

Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

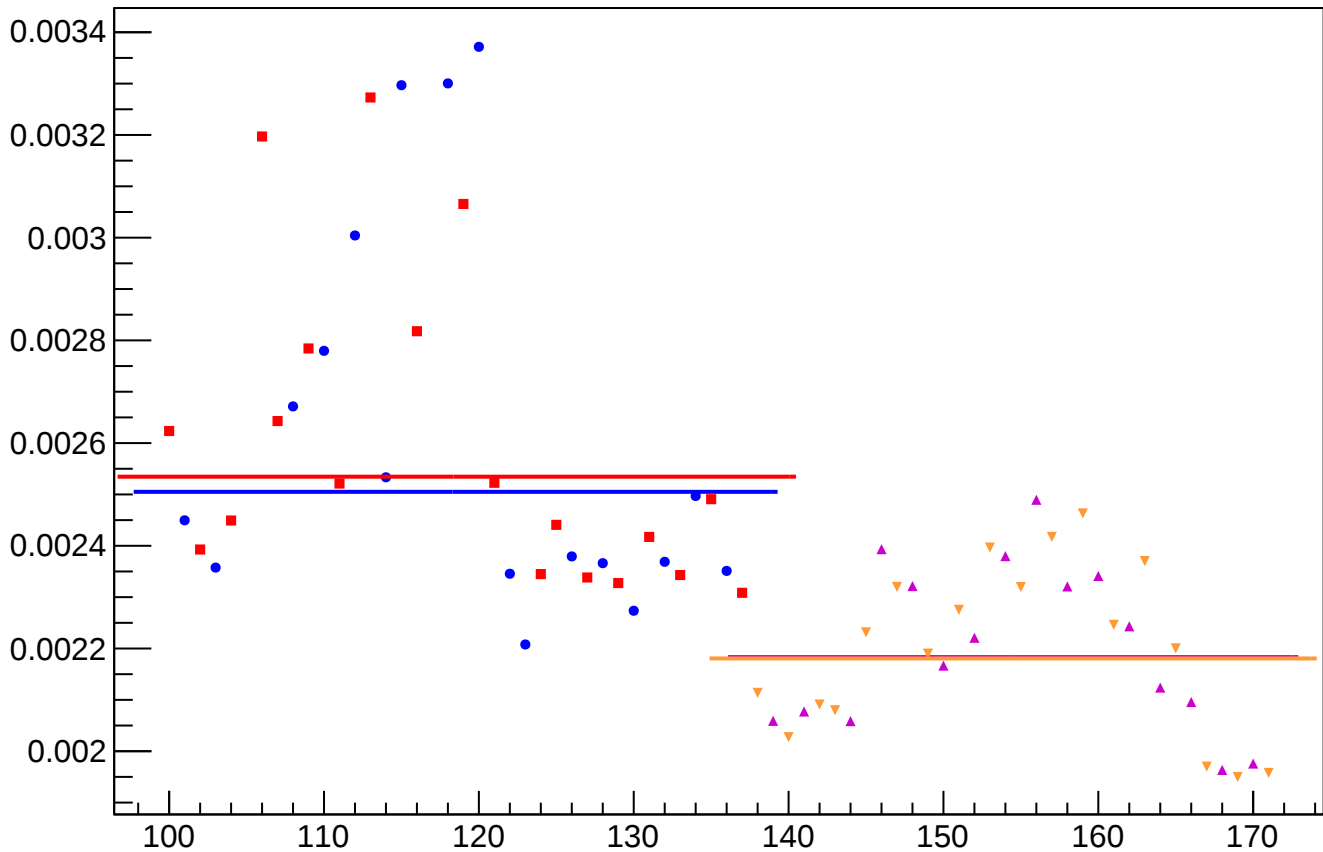
Left In: 0.193 $\pm$ 0.000 χ^2 /NDF: 5095897407.0/15

+ sign 0.324 $\pm$ 0.000 χ^2 /NDF: 219380032659.4/34

All: 0.330 $\pm$ 0.000 χ^2 /NDF: 442951001933.1

- sign 0.336 $\pm$ 0.000 χ^2 /NDF: 223302662220.7/34

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 175524.0/16

Left Out: 0.002+/-0.000 χ^2/NDF :149774.2/17

Right Out: 0.003+/-0.000 χ^2/NDF : 131609.0/18

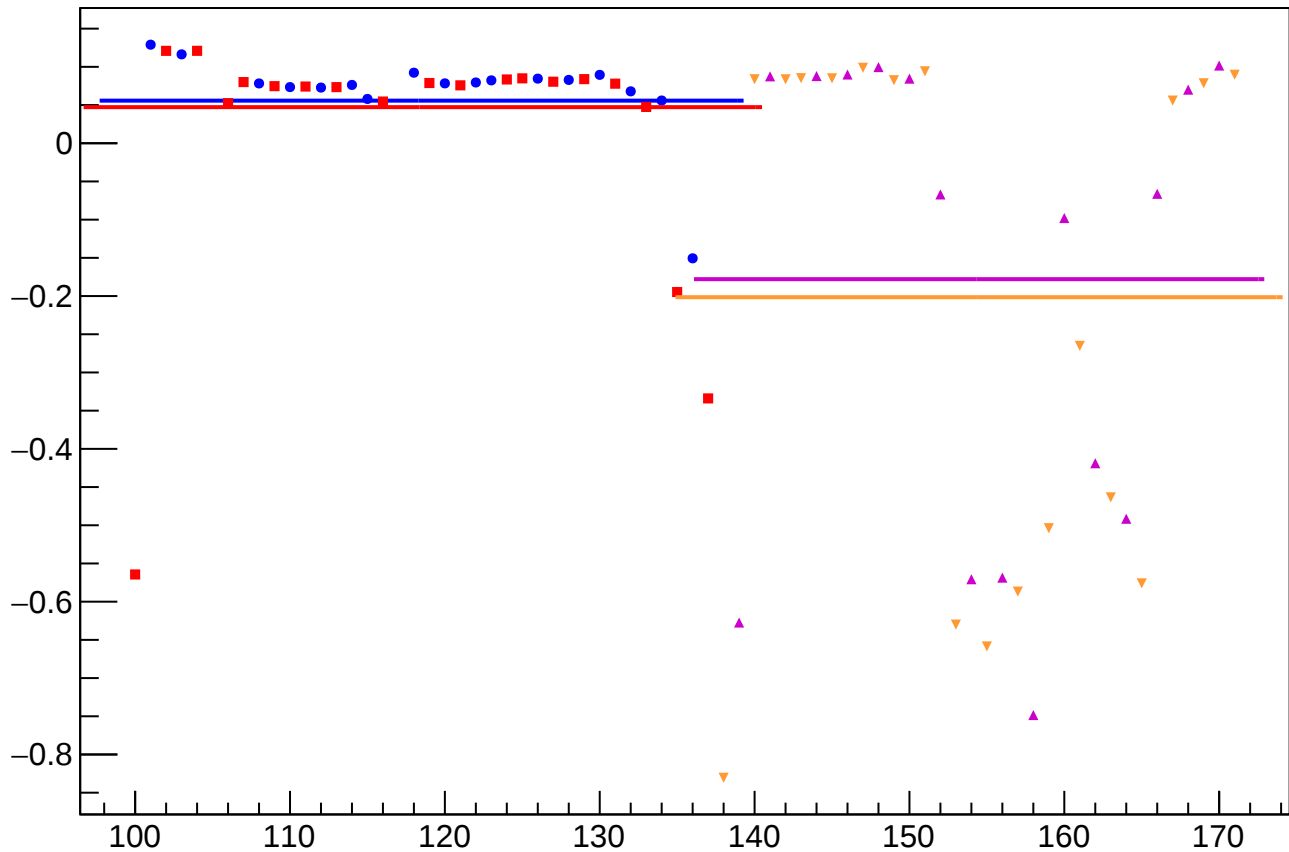
Left In: 0.002+/-0.000 χ^2/NDF :123920.0/15

+ sign 0.002+/-0.000 χ^2/NDF : 481914.8/34

All: 0.002+/-0.000 χ^2/NDF : 921853.3/69

- sign 0.002+/-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: -0.201+/-0.000 χ^2/NDF : 11080972215.0/17

Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

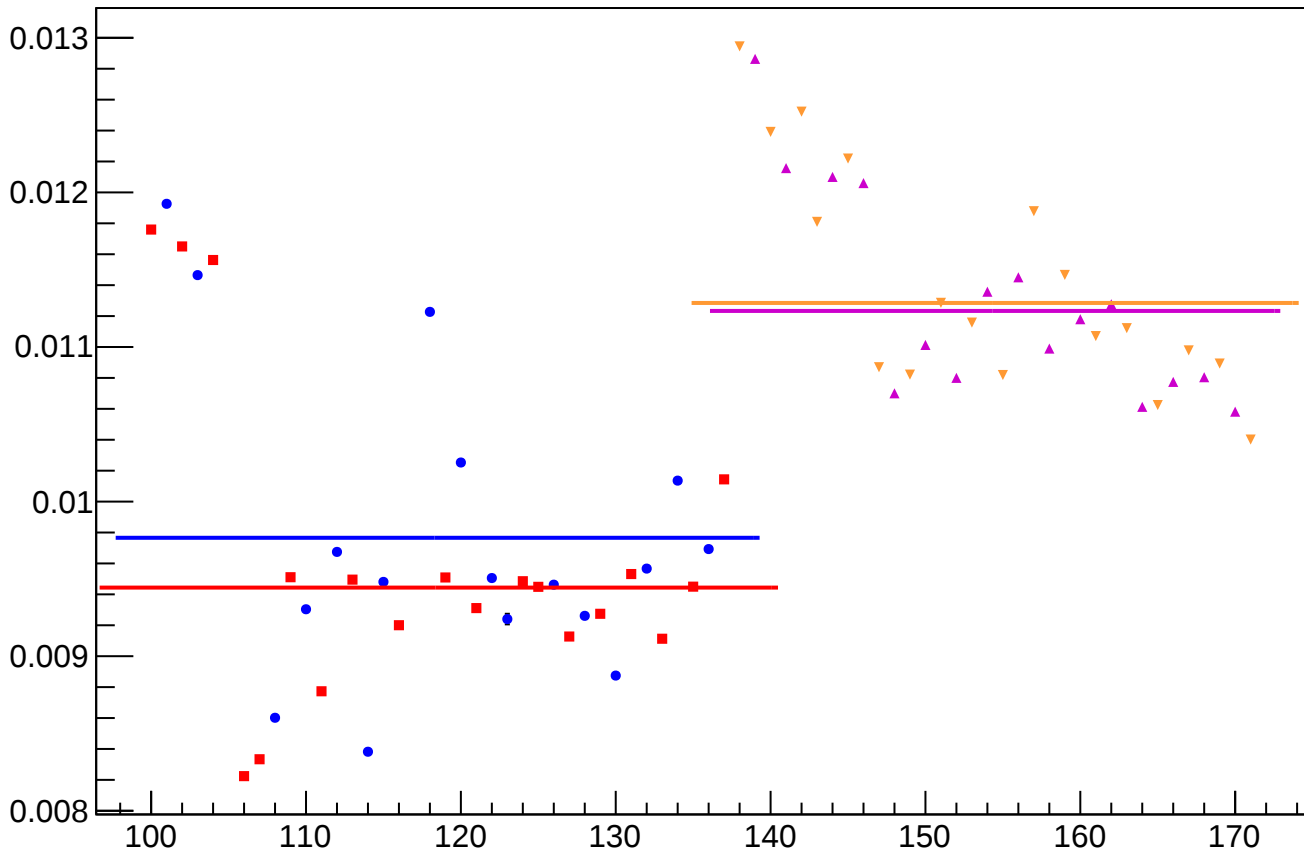
Left In: -0.178+/-0.000 χ^2/NDF : 8918071569.5/15

+ sign -0.098+/-0.000 χ^2/NDF : 14175606915.6/34

All: -0.087+/-0.000 χ^2/NDF : 26107356613.6/34

- sign -0.076+/-0.000 χ^2/NDF : 11891407067.6/34

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 116638.3/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 84050.7/17

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 110693.8/18

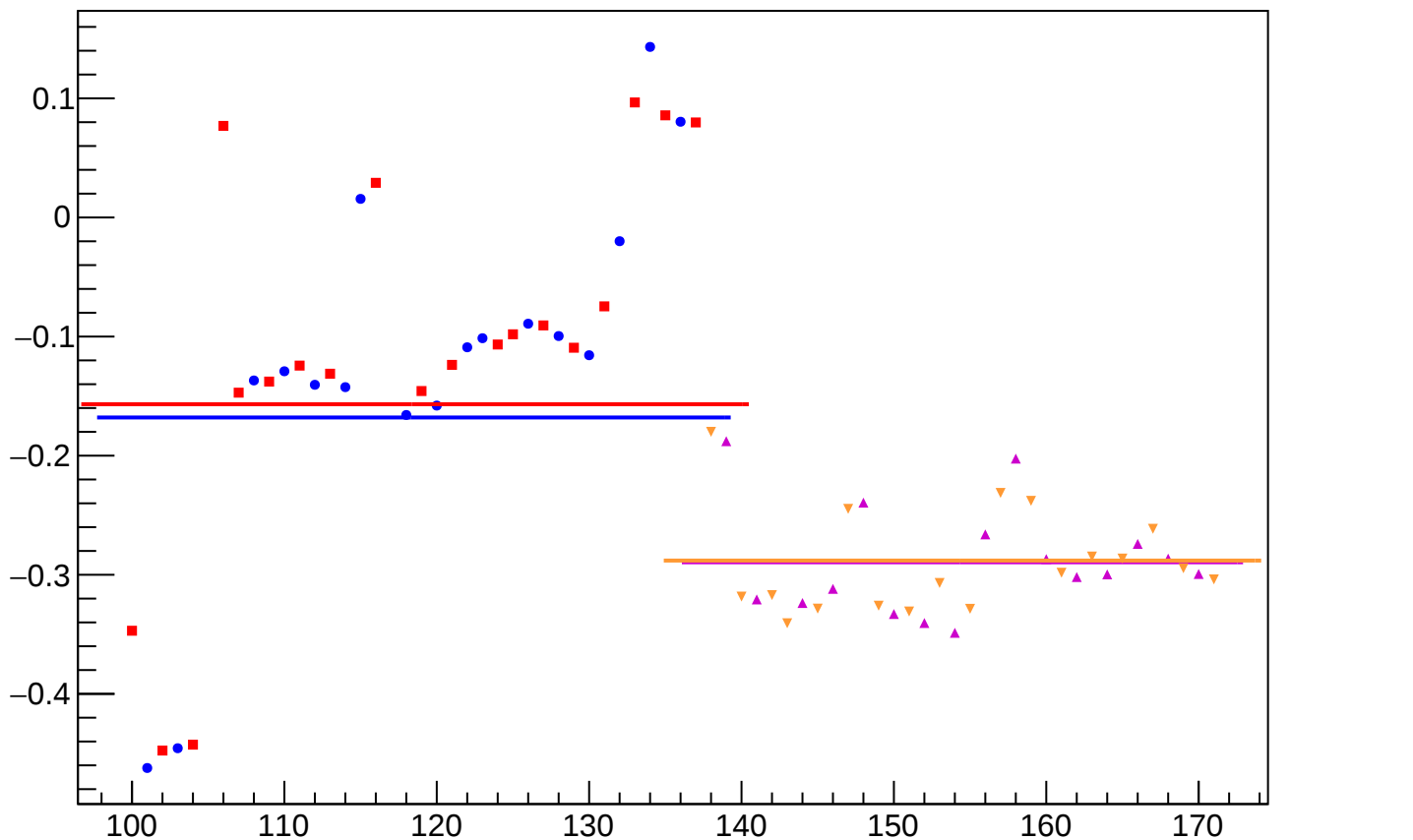
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 68357.4/15

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 386992.8/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 848661.6/69

- sign 0.010 $\pm$ 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: -0.288+/-0.000 χ^2/NDF : 2807017606.8/17

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

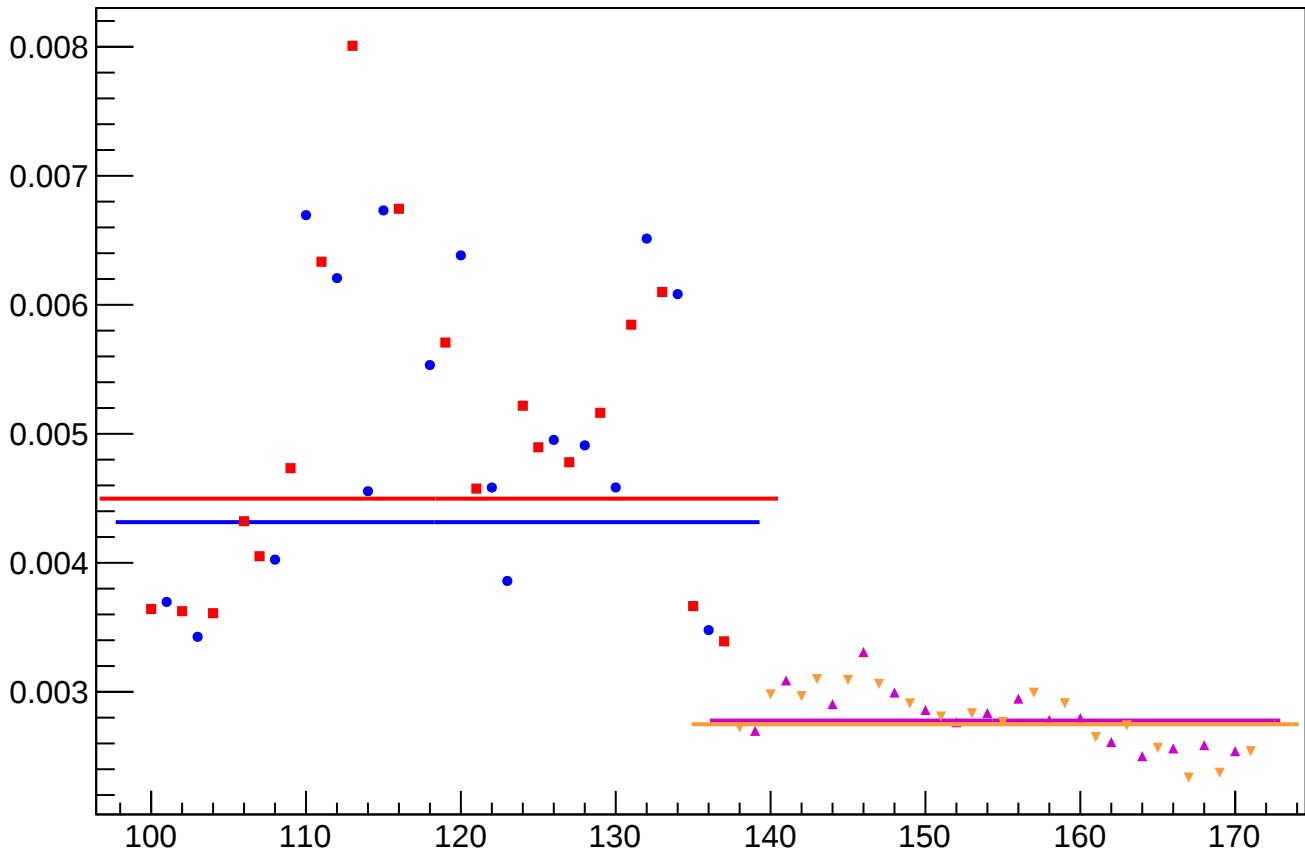
Left In: -0.290+/-0.000 χ^2/NDF : 3093567557.8/15

+ sign -0.269+/-0.000 χ^2/NDF : 18939326721.8/34

All: -0.268+/-0.000 χ^2/NDF : 37579014022.8/34

- 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:189394.2/17

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 649708.4/18

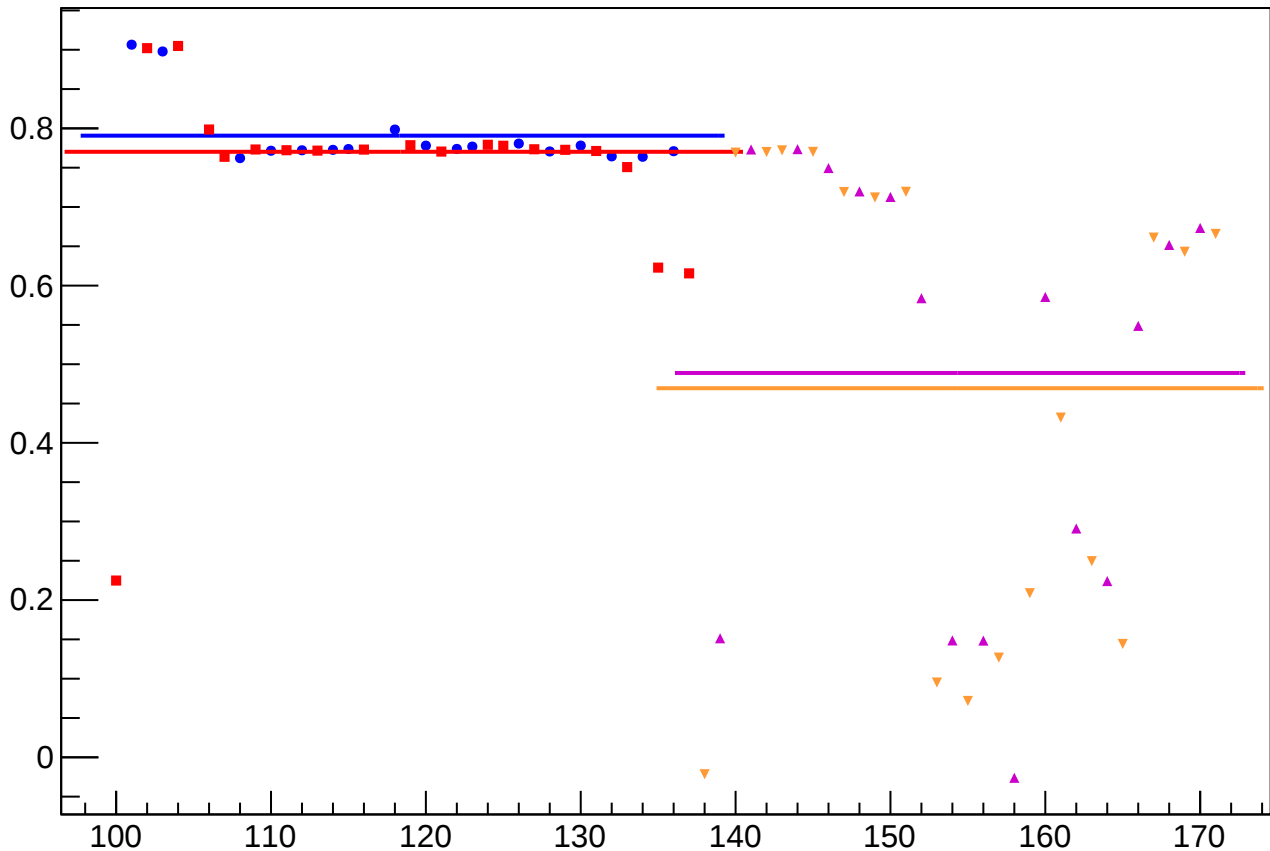
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:121717.6/15

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2102119.7/34

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4400531.6/69

- 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: 0.469 $\pm$ 0.000 χ^2 /NDF: 8552585912.5/17

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375442189.7/18

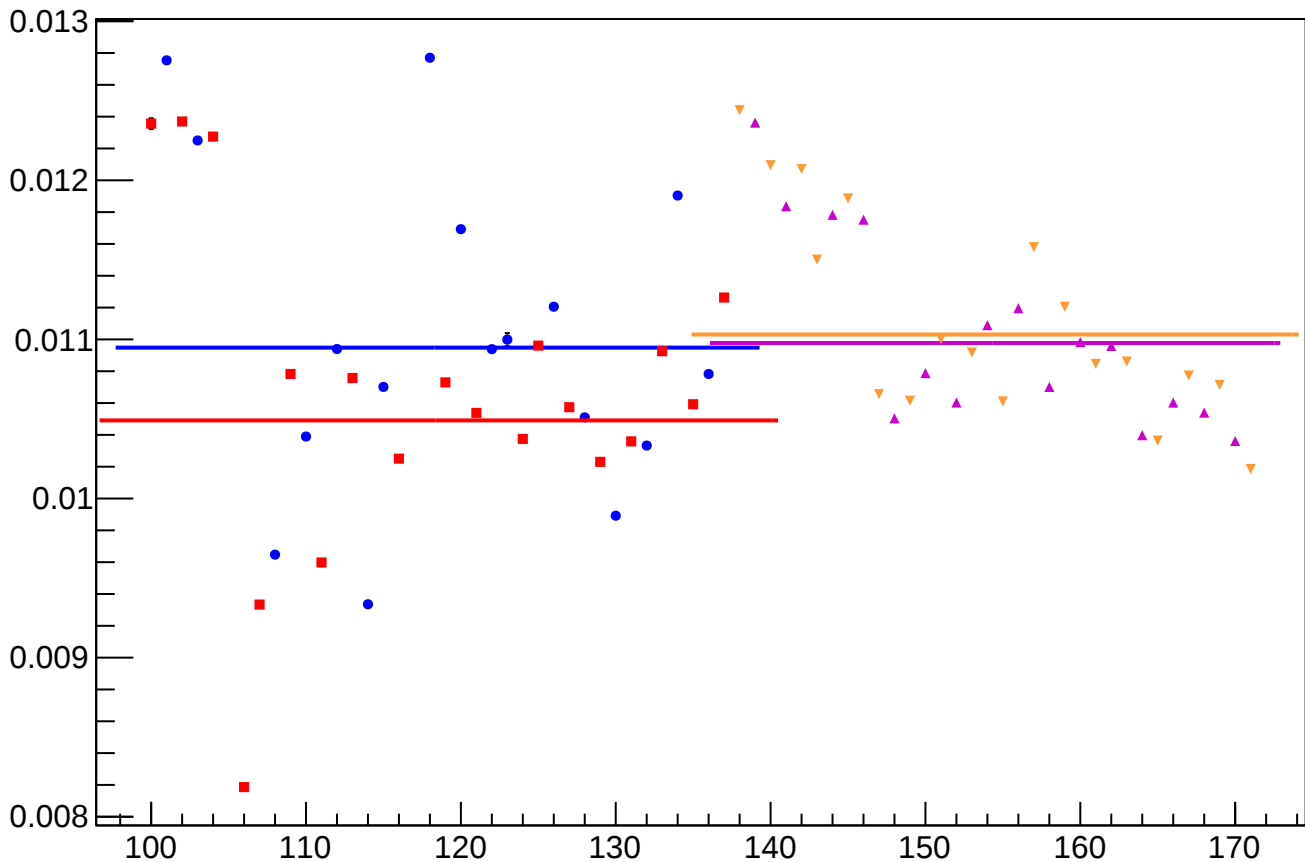
Left In: 0.489 $\pm$ 0.000 χ^2 /NDF: 7053628101.7/15

+ sign 0.578 $\pm$ 0.000 χ^2 /NDF: 12338441949.7/34

All: 0.588 $\pm$ 0.000 χ^2 /NDF: 22841068463.4/6

- sign 0.598 $\pm$ 0.000 χ^2 /NDF: 10470107914.3/34

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 98551.4/16

Left Out: 0.011+/-0.000 χ^2/NDF : 73353.8/17

Right Out: 0.010+/-0.000 χ^2/NDF : 119420.8/18

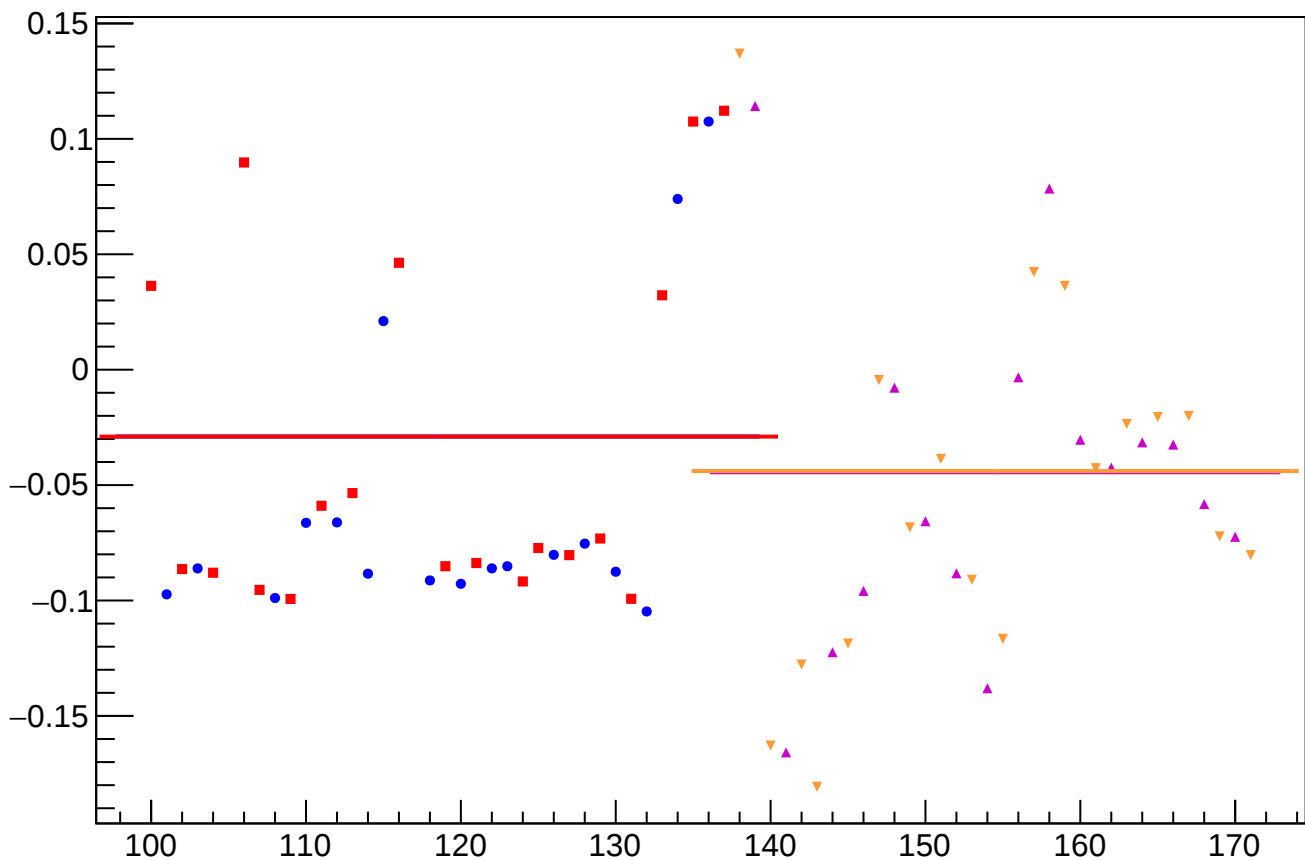
Left In: 0.011+/-0.000 χ^2/NDF : 59779.6/15

+ sign 0.011+/-0.000 χ^2/NDF : 172391.7/34

All: 0.011+/-0.000 χ^2/NDF : 377152.1/69

- sign 0.011+/-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: -0.044+/-0.000 χ^2/NDF : 6988308362.3/17

Right Out: -0.029+/-0.000 χ^2/NDF : 2113349669.8/18

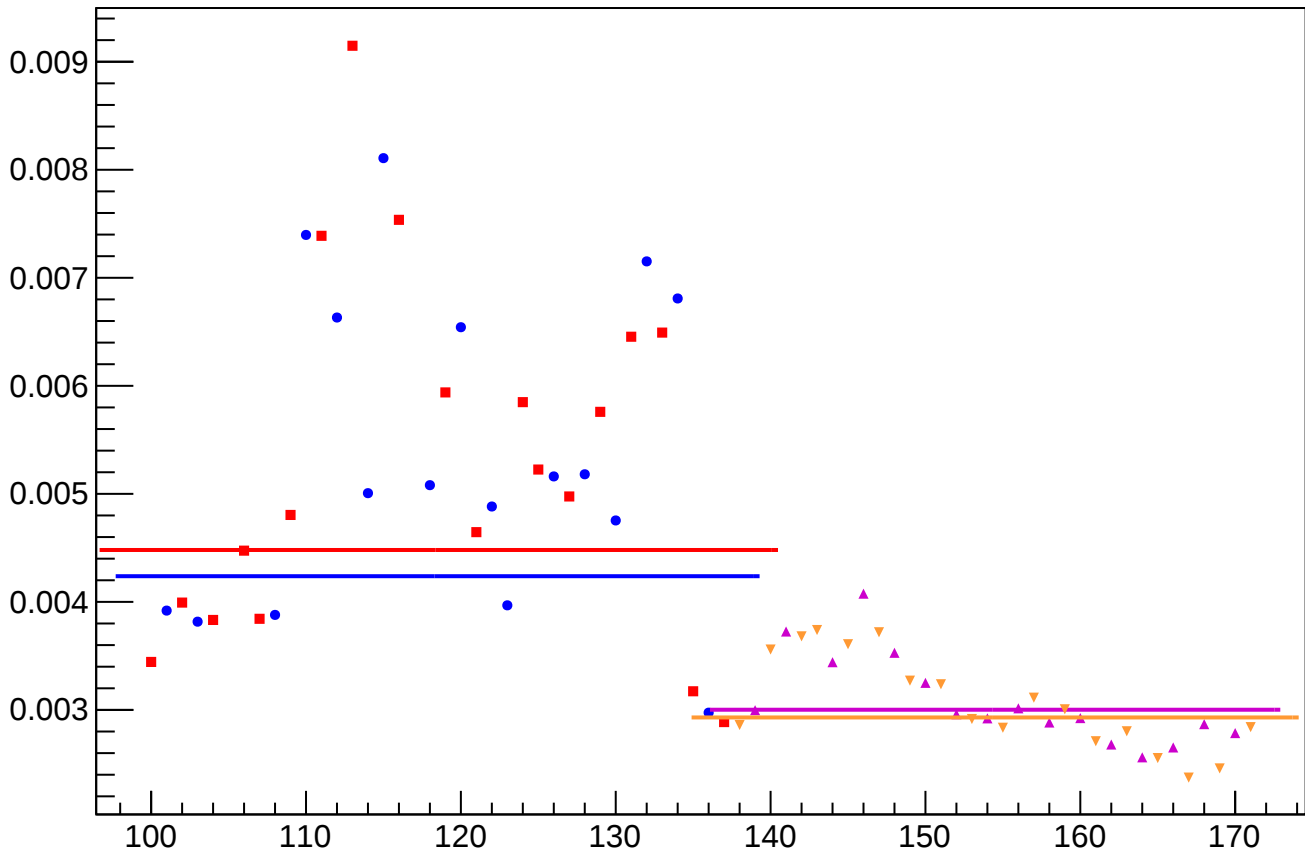
Left In: -0.044+/-0.000 χ^2/NDF : 5948444684.8/15

+ sign -0.041+/-0.000 χ^2/NDF : 9490701483.2/34

All: -0.041+/-0.000 χ^2/NDF : 17609169373.2/34

- sign -0.042+/-0.000 χ^2/NDF : 8118406501.5/34

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003+/-0.000 χ^2/NDF : 461286.9/17

Right Out: 0.004+/-0.000 χ^2/NDF : 984186.1/18

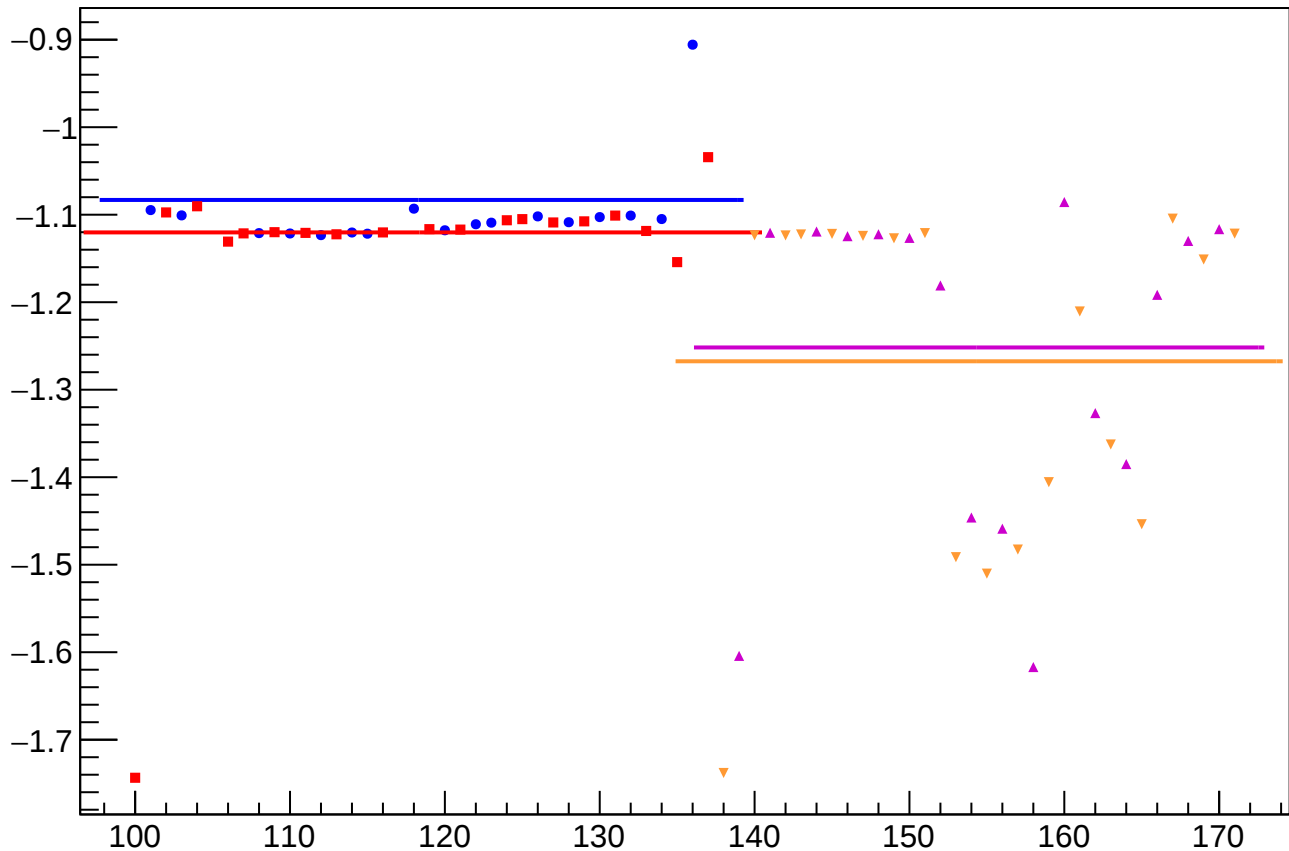
Left In: 0.003+/-0.000 χ^2/NDF : 308884.1/15

+ sign 0.003+/-0.000 χ^2/NDF : 2203210.1/34

All: 0.003+/-0.000 χ^2/NDF : 4556541.6/69

- sign 0.003+/-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: -1.268+/-0.000 χ^2 /NDF: 4400260468.0/17

Right Out: -1.120+/-0.000 χ^2 /NDF: 220571280.7/18

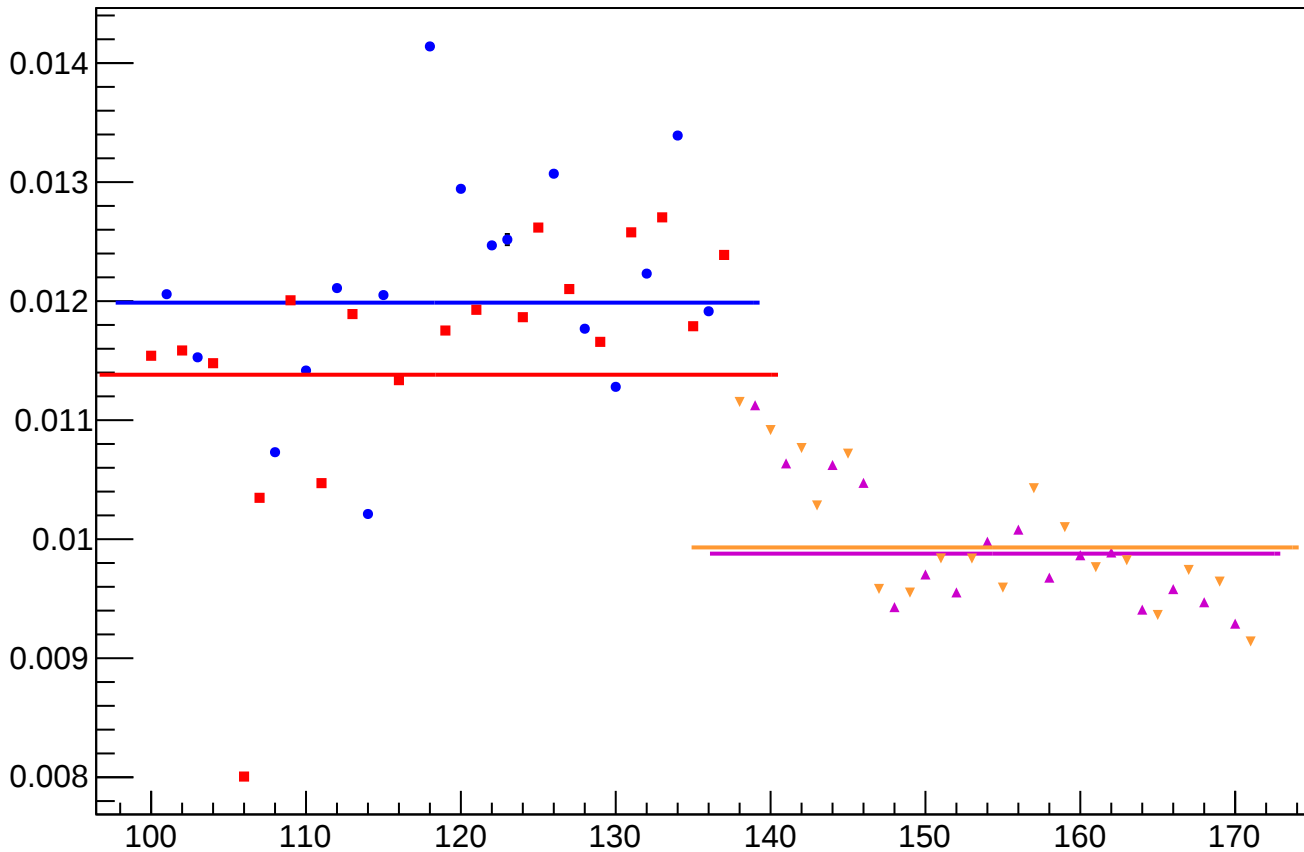
Left In: -1.252+/-0.000 χ^2 /NDF: 3824513487.3/15

+ sign -1.221+/-0.000 χ^2 /NDF: 5738356263.2/34

All: -1.216+/-0.000 χ^2 /NDF: 10428854772.4/34

- 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: 71748.4/17

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

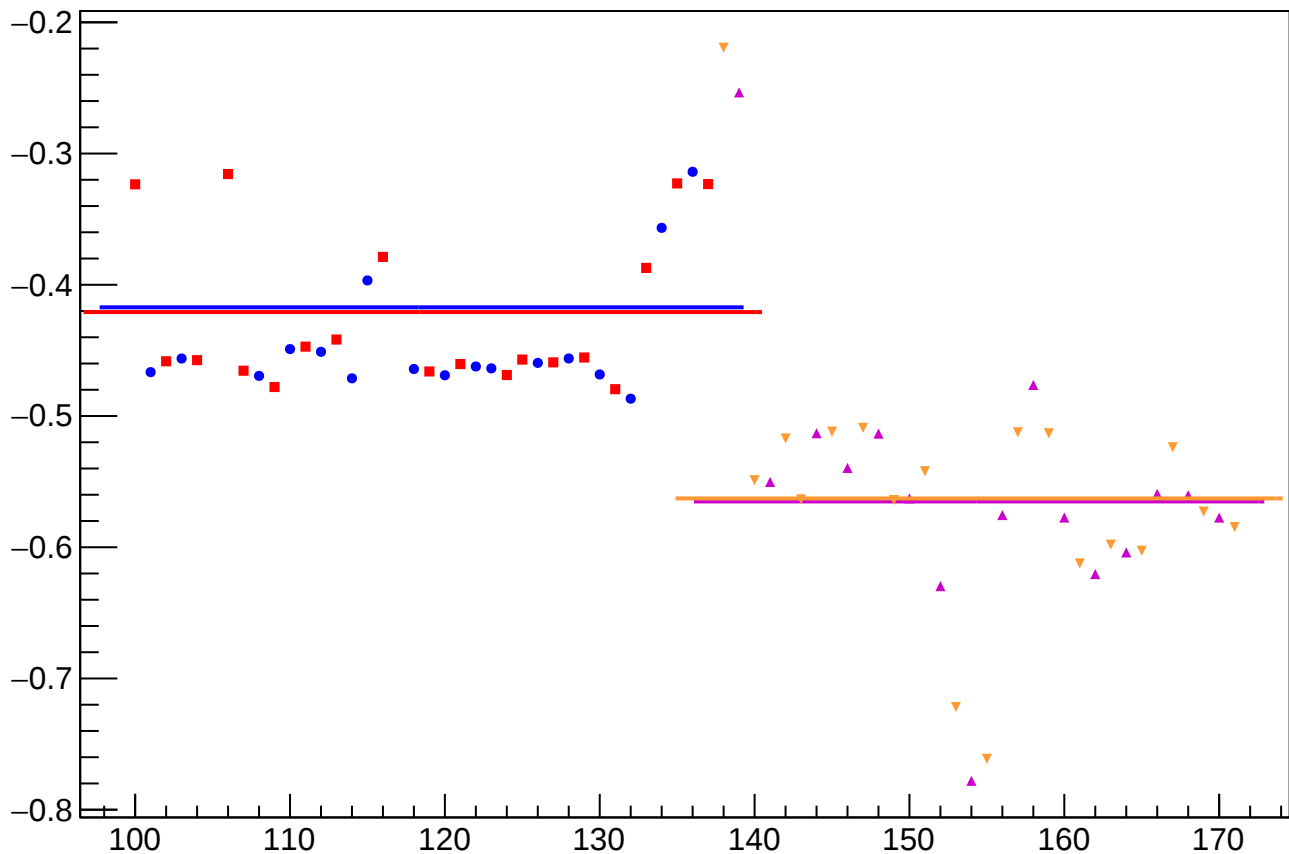
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 58406.1/15

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 414599.7/34

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 797348.1/69

- 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: -0.563+/-0.000 χ^2/NDF : 13289521094.1/17

Right Out: -0.421+/-0.000 χ^2/NDF : 1646463410.7/18

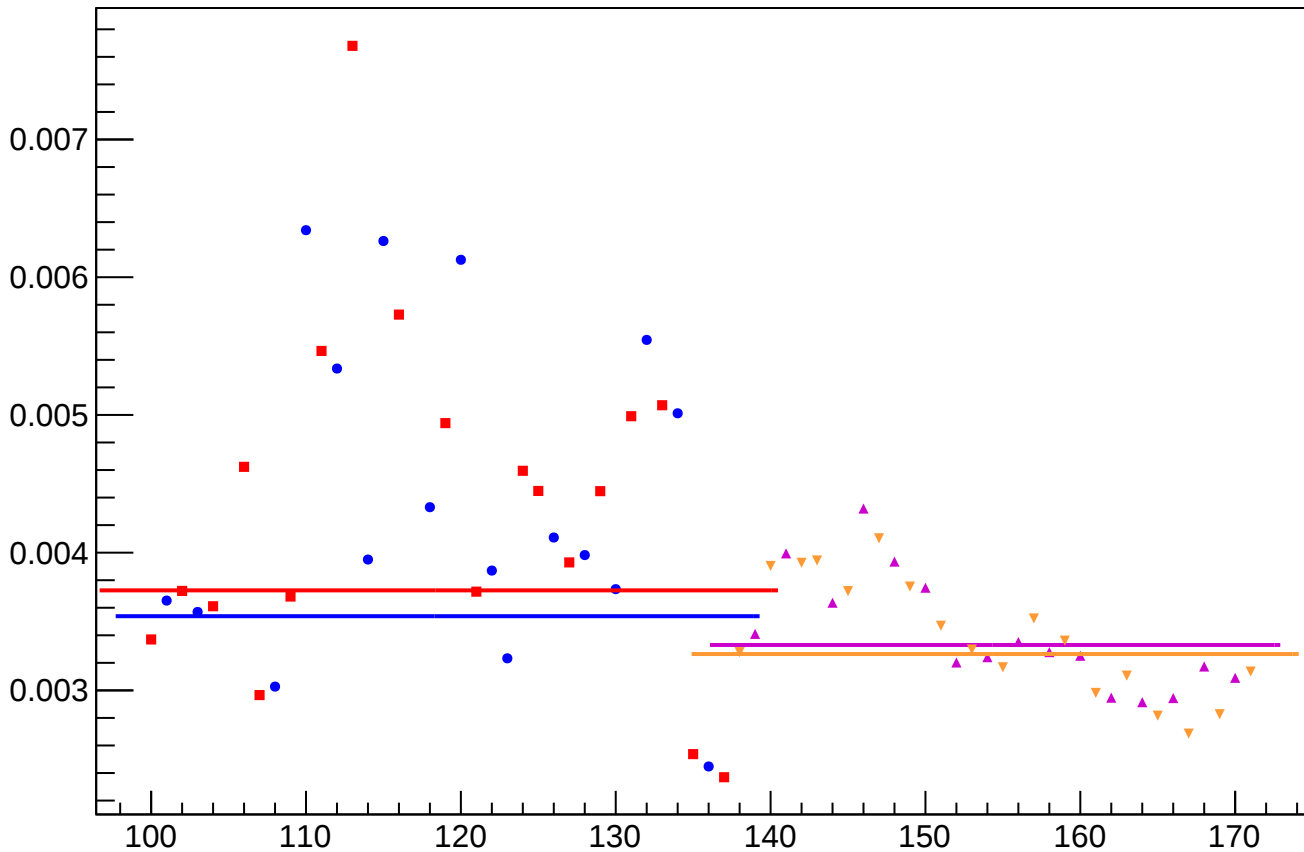
Left In: -0.565+/-0.000 χ^2/NDF : 10421458859.0/15

+ sign -0.523+/-0.000 χ^2/NDF : 22039565216.8/34

All: -0.523+/-0.000 χ^2/NDF : 40356032371.4/34

- 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:372486.2/17

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 898447.6/18

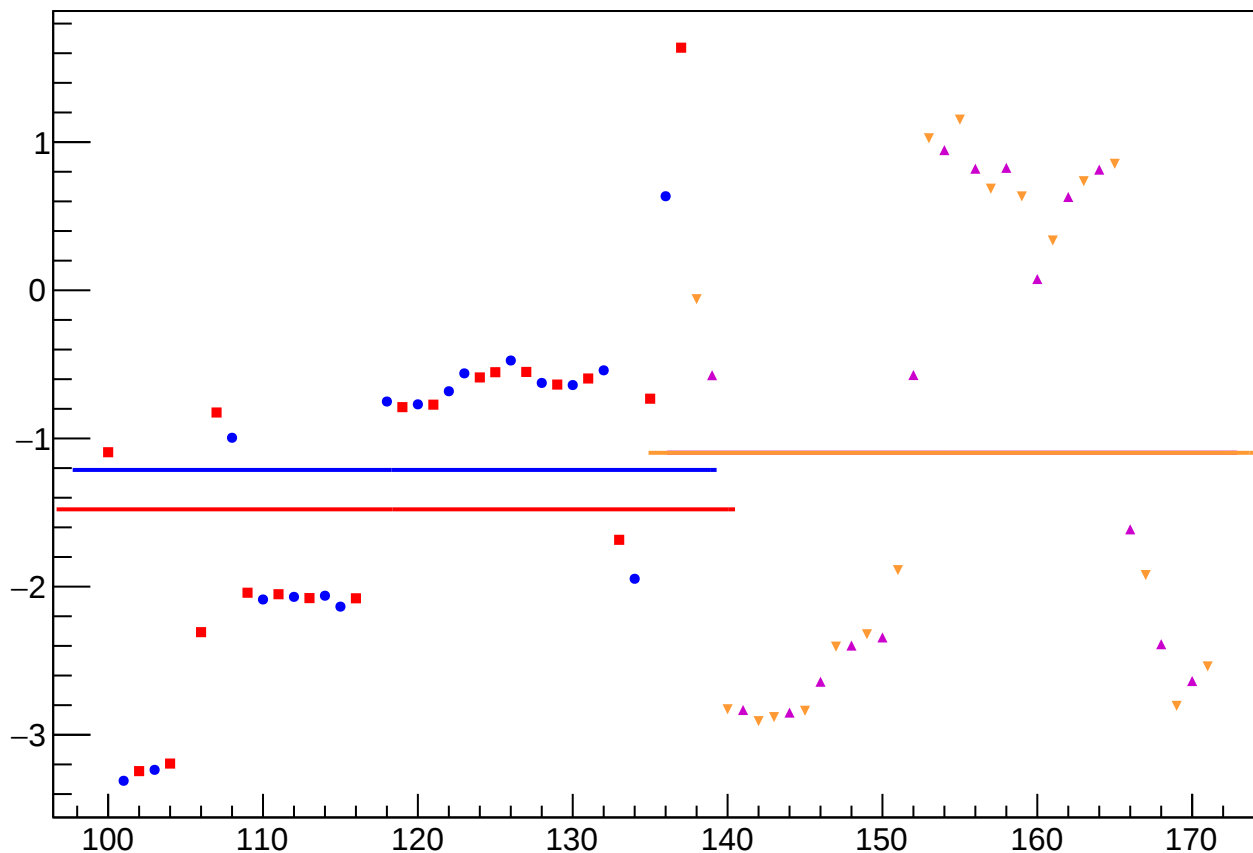
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:261710.3/15

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1256432.7/34

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2528008.0/69

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1254508.9/34

yield_bpm0r03X_mean vs Slug



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -1.097+/-0.000 χ^2/NDF : 6121585428.2/17

Right Out: -1.478+/-0.000 χ^2/NDF : 1578264383.8/18

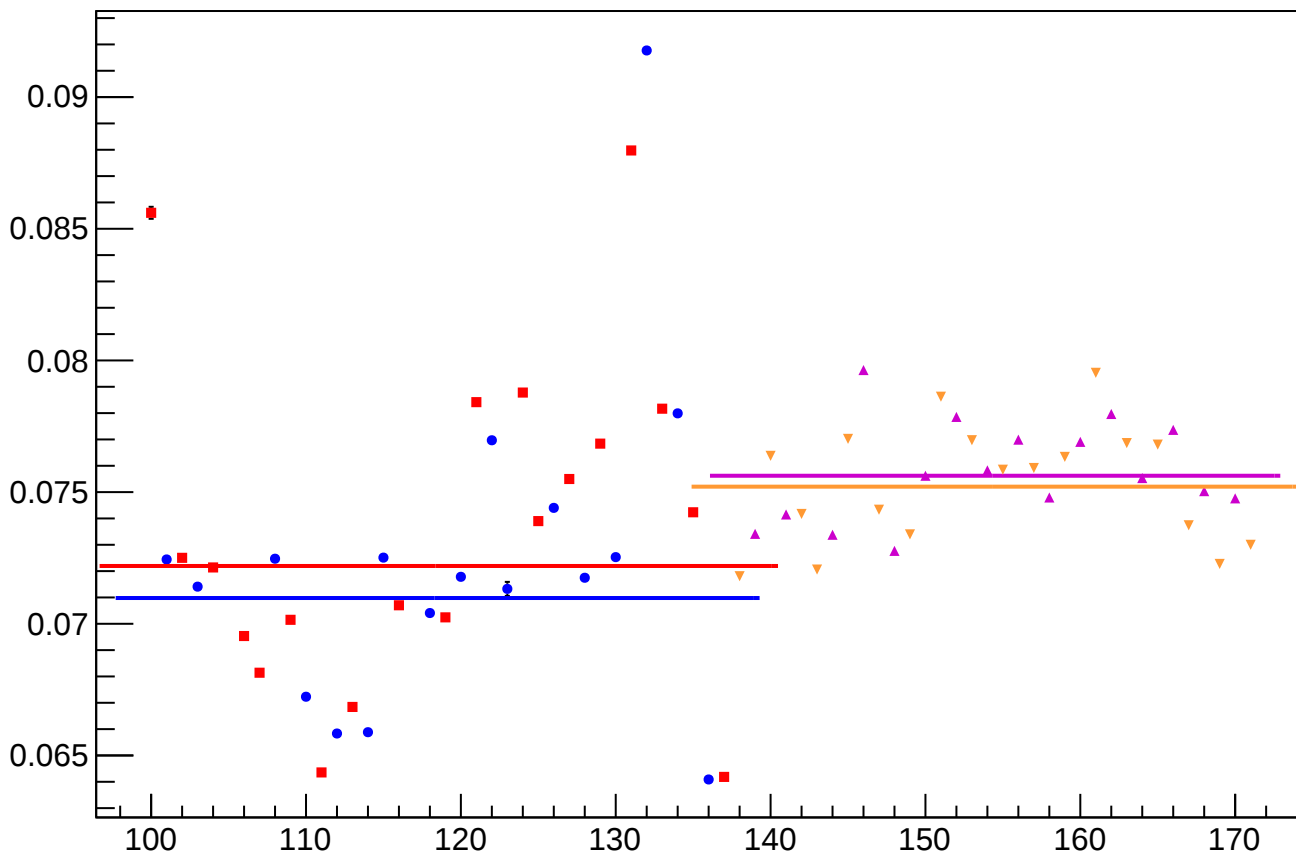
Left In: -1.096+/-0.000 χ^2/NDF : 4917540264.4/15

+ sign -1.138+/-0.000 χ^2/NDF : 8125610419.6/34

All: -1.189+/-0.000 χ^2/NDF : 14761069735.0/34

- sign -1.243+/-0.000 χ^2/NDF : 6615943781.1/34

yield_bpm0r03X_rms vs Slug



Right In: 0.071 $\pm$ 0.000 χ^2 /NDF: 77589.5/16

Left Out: 0.075 $\pm$ 0.000 χ^2 /NDF: 23104.9/17

Right Out: 0.072 $\pm$ 0.000 χ^2 /NDF: 73228.9/18

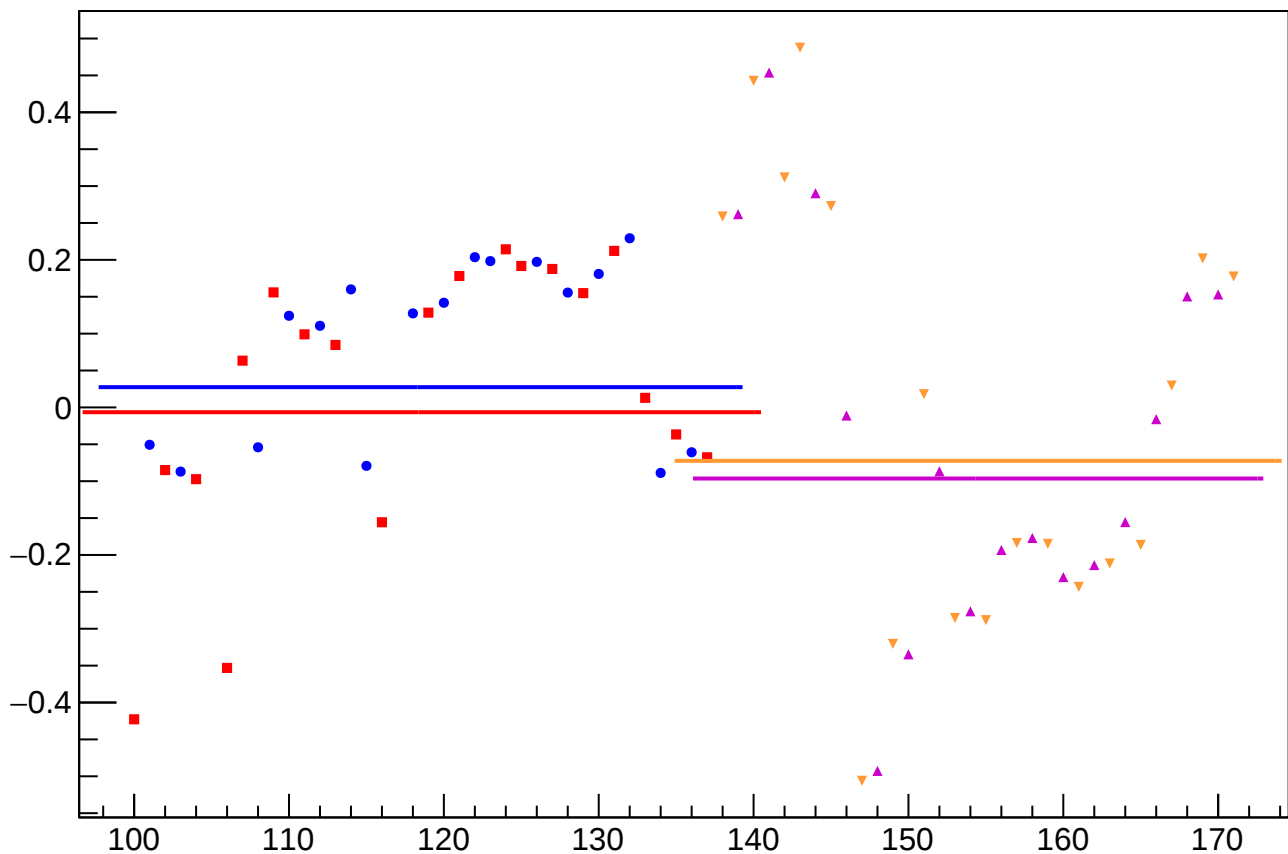
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF: 14300.7/15

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 130647.1/34

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 238799.3/69

- sign 0.074 $\pm$ 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: -0.072+/-0.000 χ^2/NDF : 17395235746.8/17

+ sign -0.060+/-0.000 χ^2/NDF : 18338740651.5/34

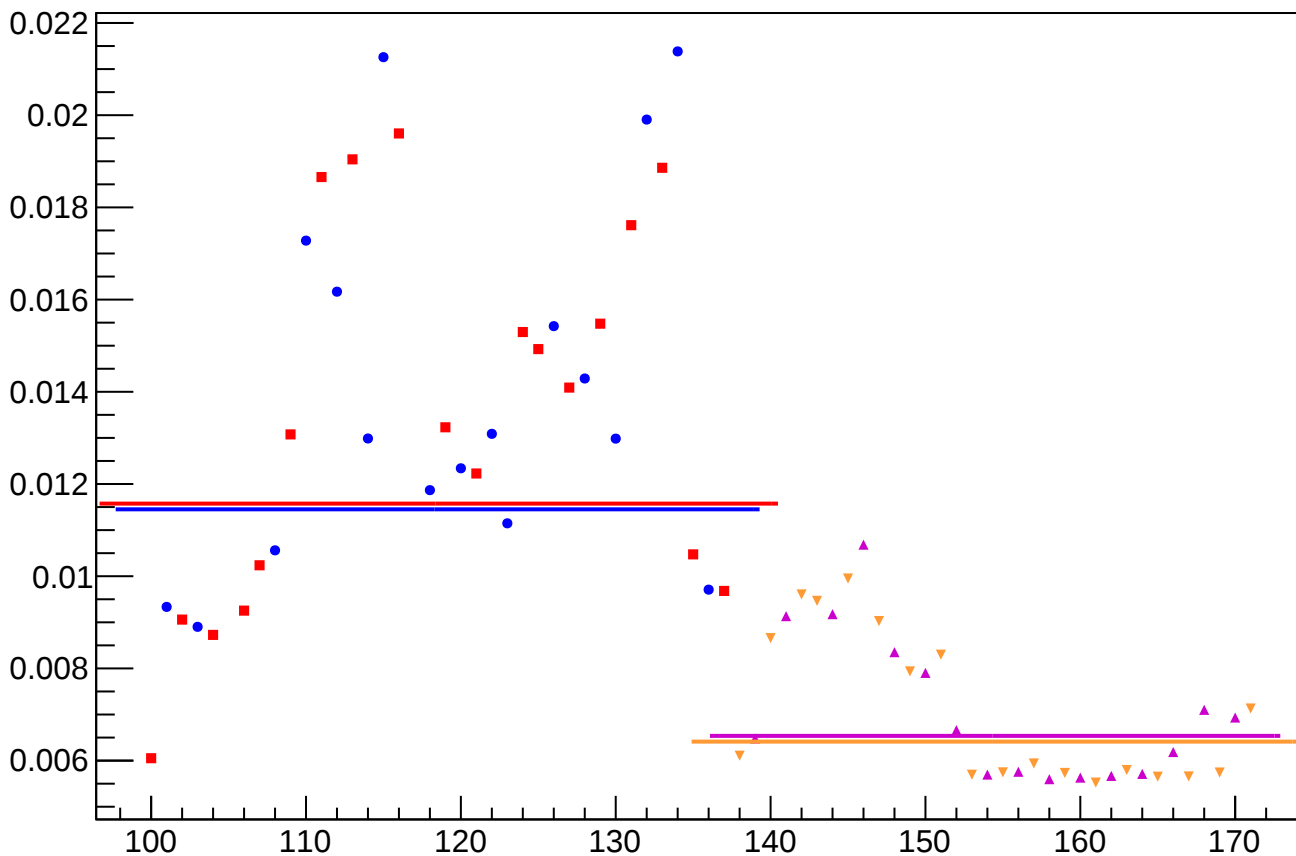
Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

All: -0.071+/-0.000 χ^2/NDF : 32500811227.8/34

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+/-0.000 χ^2/NDF : 679628.0/16

Left Out: 0.006+/-0.000 χ^2/NDF : 942064.4/17

Right Out: 0.012+/-0.000 χ^2/NDF : 997161.1/18

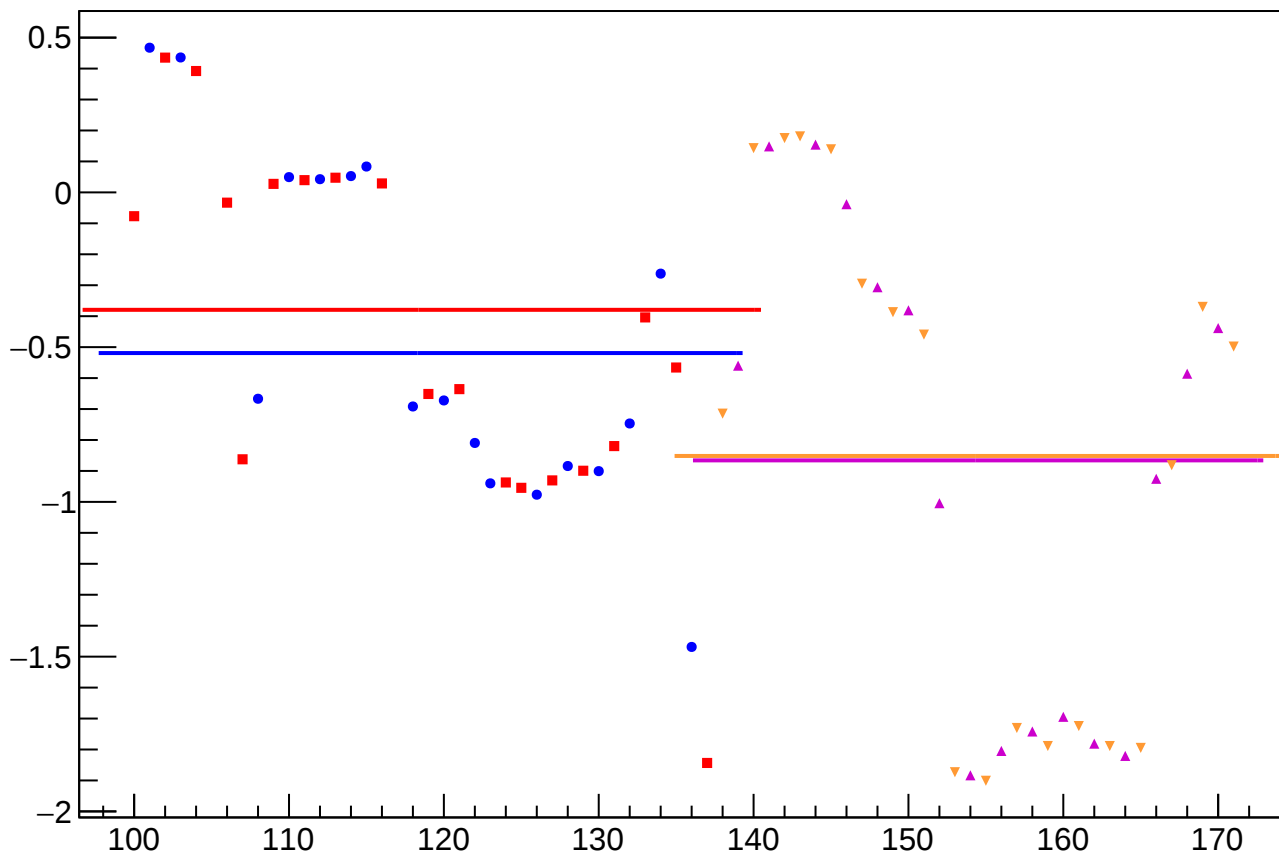
Left In: 0.007+/-0.000 χ^2/NDF : 796970.1/15

+ sign 0.007+/-0.000 χ^2/NDF : 3561614.9/34

All: 0.007+/-0.000 χ^2/NDF : 7294957.4/69

- sign 0.007+/-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: -0.852+/-0.000 χ^2/NDF : 1052080272.7/17

Right Out: -0.379+/-0.000 χ^2/NDF : 268621179.0/18

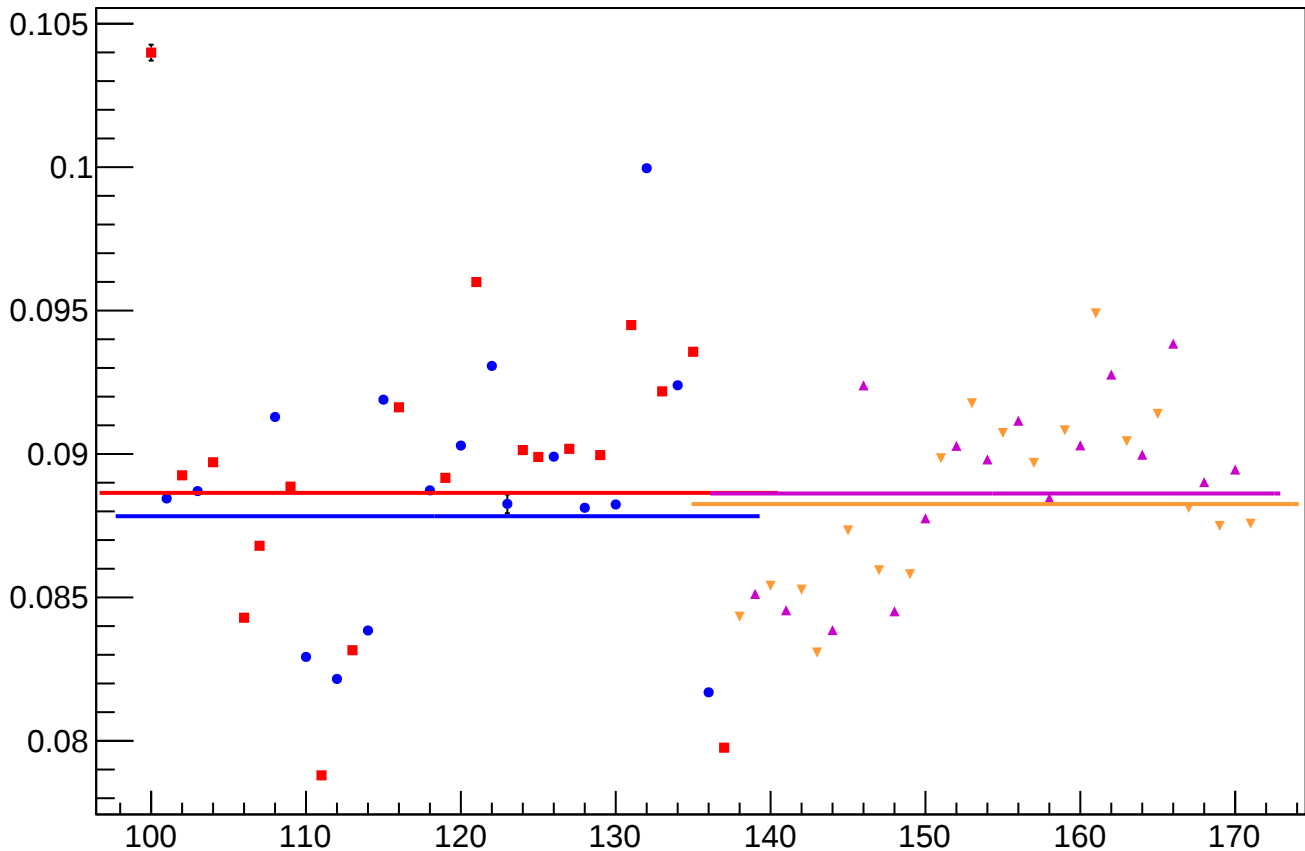
Left In: -0.866+/-0.000 χ^2/NDF : 885421284.6/15

+ sign -0.740+/-0.000 χ^2/NDF : 1455124493.5/34

All: -0.715+/-0.000 χ^2/NDF : 2748281957.2/6

- sign -0.689+/-0.000 χ^2/NDF : 1289814058.2/34

yield_bpm0r05X_rms vs Slug



Right In: 0.088+/-0.000 χ^2/NDF : 34954.4/16

Left Out: 0.088+/-0.000 χ^2/NDF : 29616.3/17

Right Out: 0.089+/-0.000 χ^2/NDF : 39722.9/18

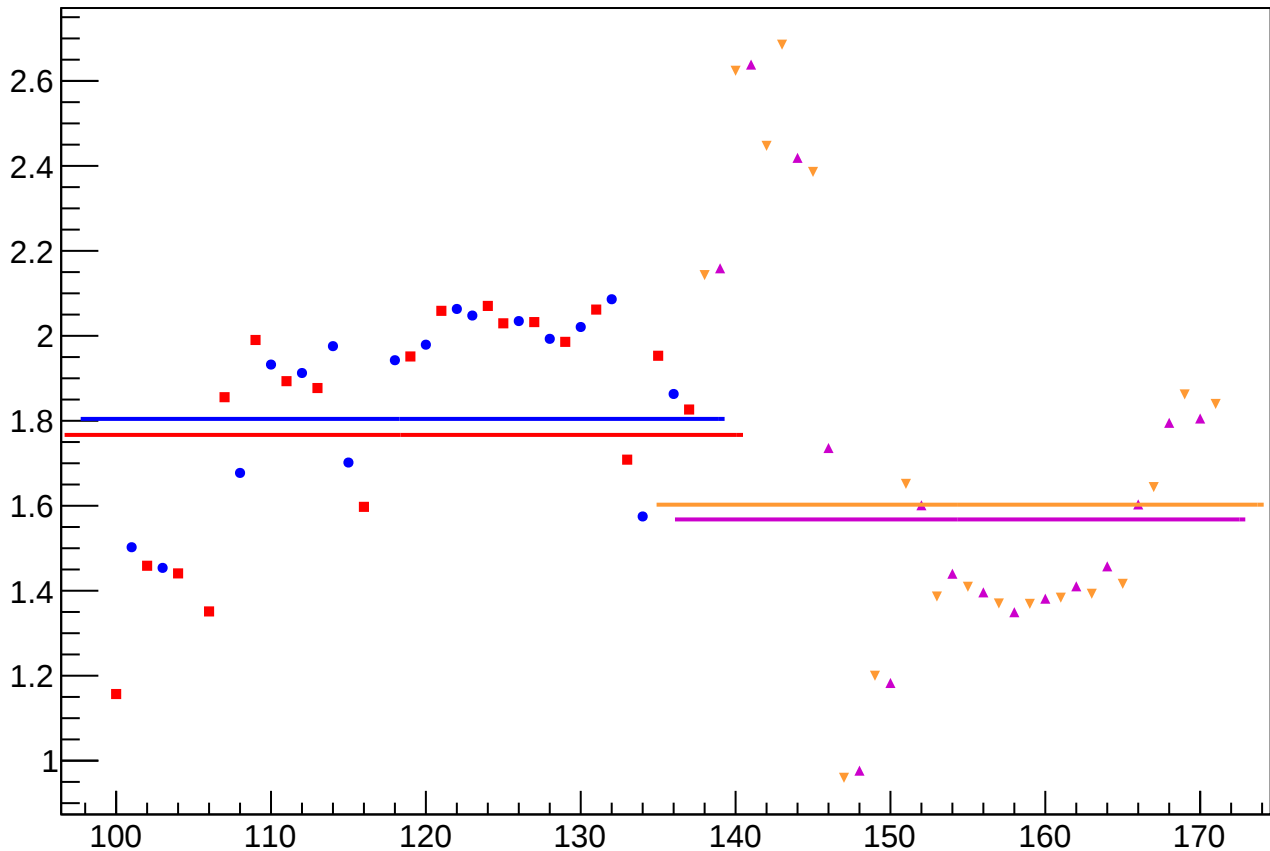
Left In: 0.089+/-0.000 χ^2/NDF : 27699.8/15

+ sign 0.088+/-0.000 χ^2/NDF : 64777.0/34

All: 0.088+/-0.000 χ^2/NDF : 132880.1/69

- sign 0.089+/-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: 1.603 $\pm$ 0.000 χ^2 /NDF: 24797155174.2/17

Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1709259284.5/18

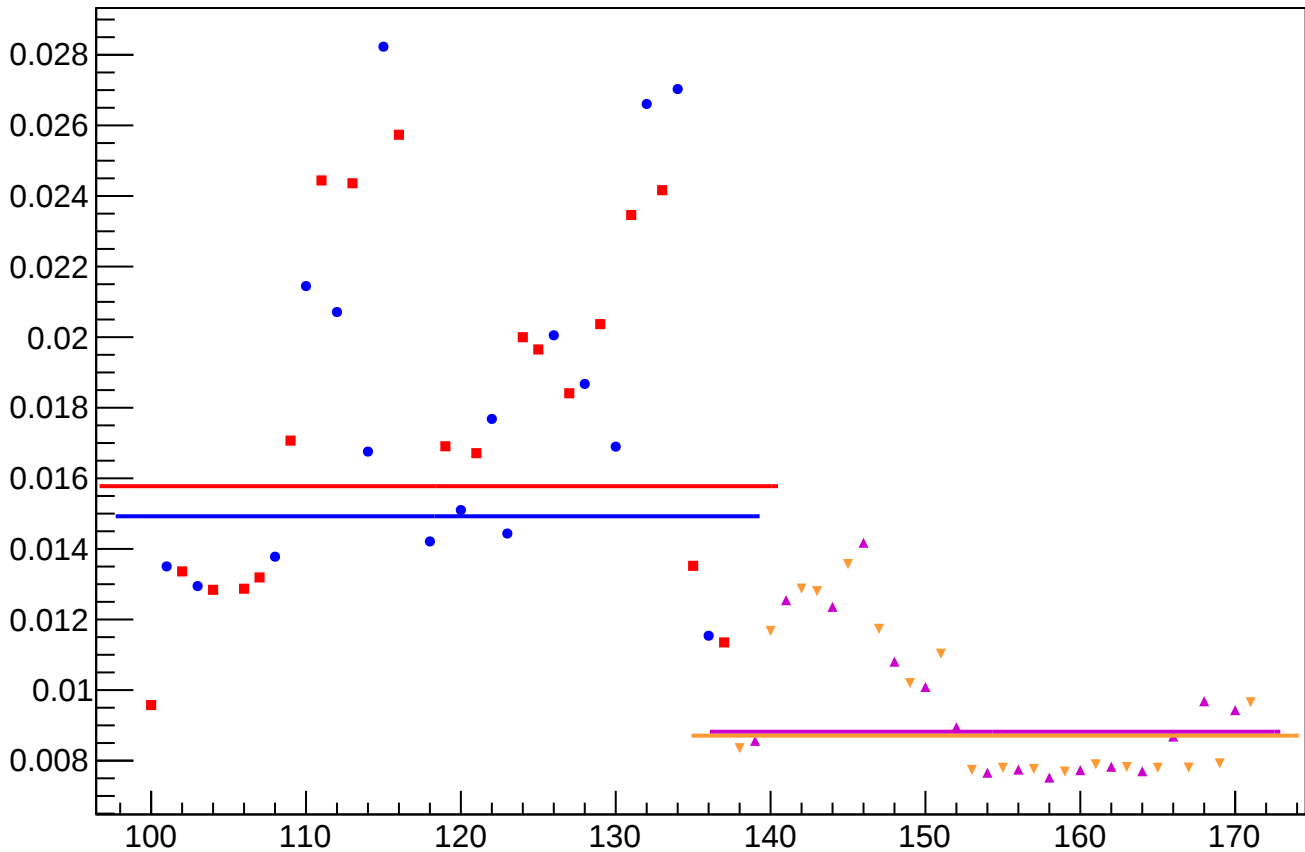
Left In: 1.568 $\pm$ 0.000 χ^2 /NDF: 18931248179.6/15

+ sign 1.630 $\pm$ 0.000 χ^2 /NDF: 26863090915.6/34

All: 1.614 $\pm$ 0.000 χ^2 /NDF: 48432558329.6/67

- 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 : 857833.6/17

Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

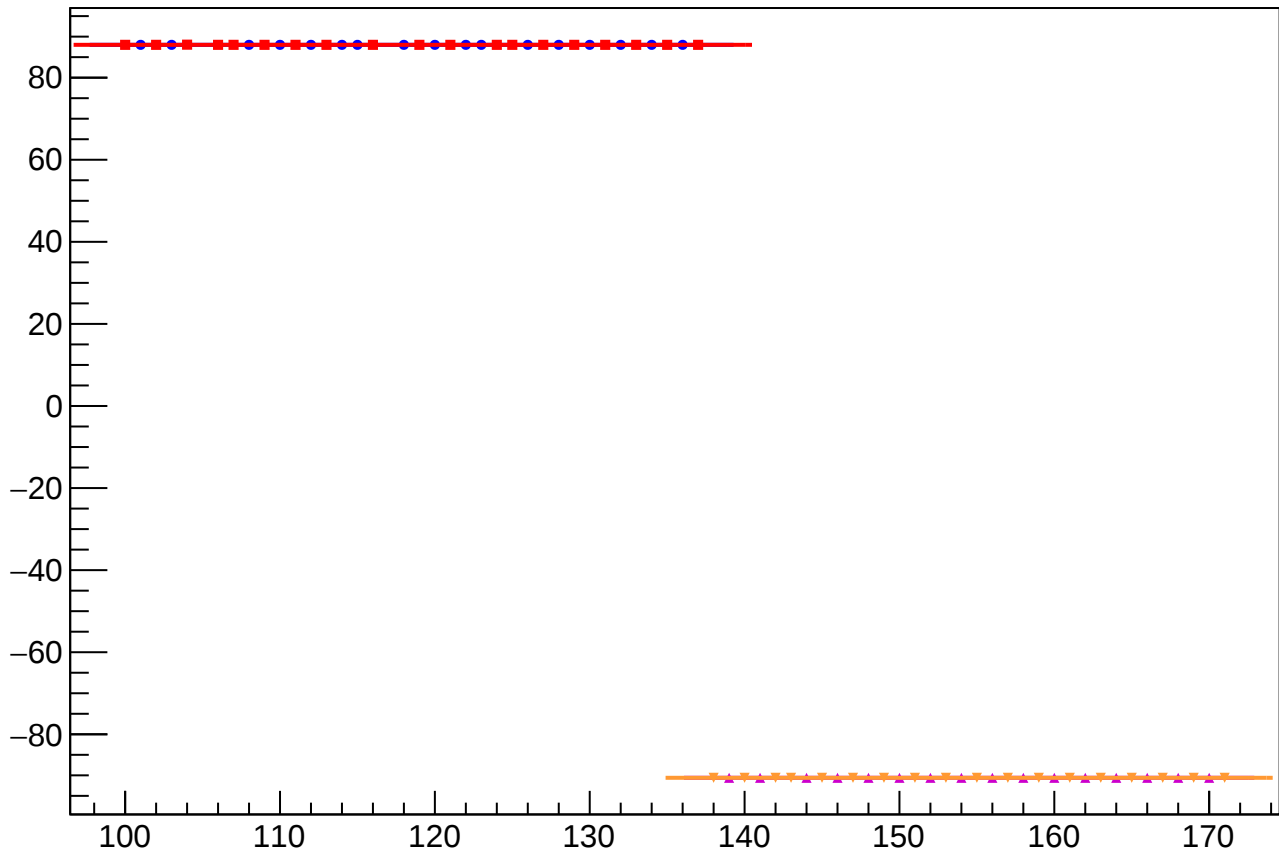
Left In: 0.009+/-0.000 χ^2/NDF : 745066.0/15

+ sign 0.010+/-0.000 χ^2/NDF : 3225133.2/34

All: 0.010+/-0.000 χ^2/NDF : 6782350.6/69

- sign 0.010+/-0.000 χ^2/NDF : 3546255.1/34

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1852068.7/16

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5502891.7/17

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77545892857504626270604886016.0/18

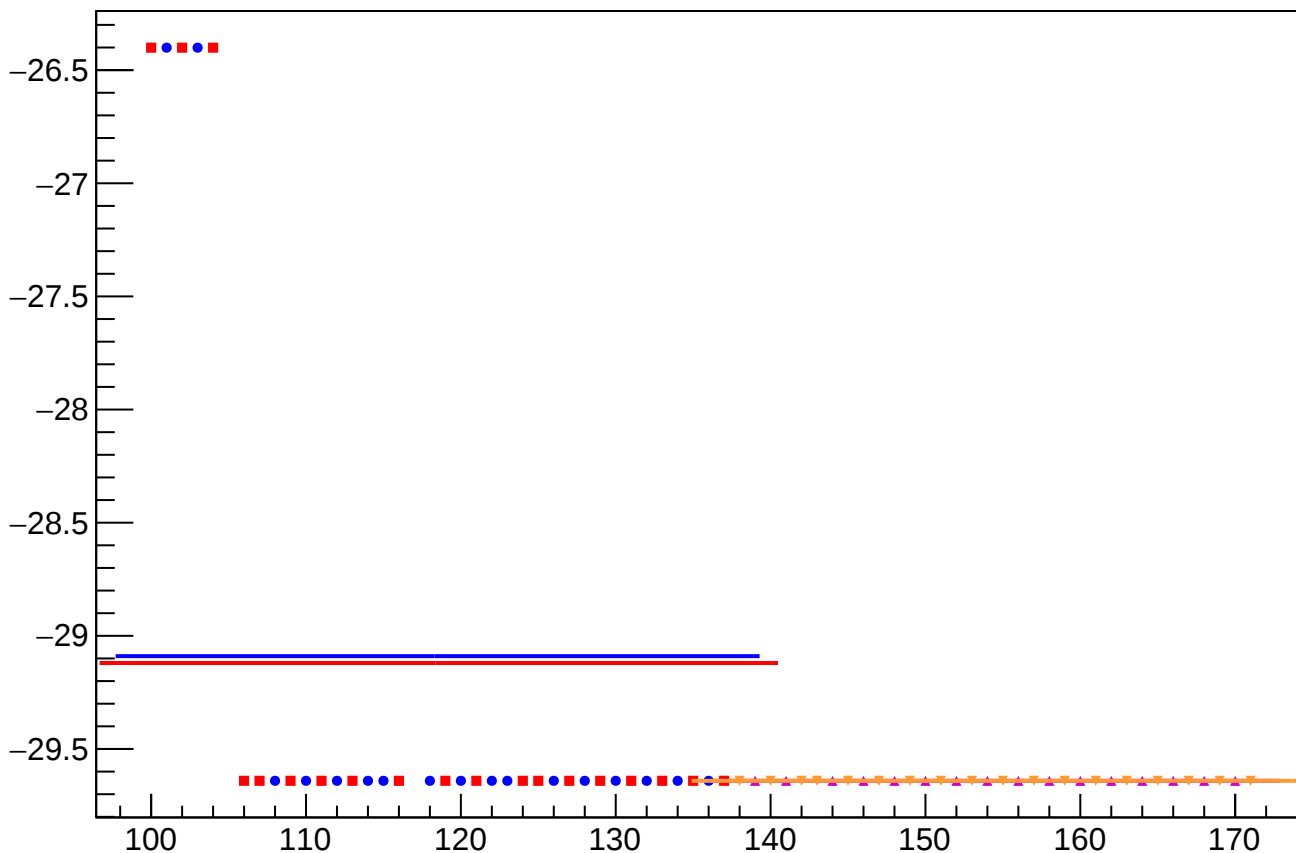
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5682423.8/15

+ sign -31.152 $\pm$ 0.000 χ^2 /NDF: 147687401812182

All: -28.811 $\pm$ 0.000 χ^2 /NDF: 295419987330

- sign -26.381 $\pm$ 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 : 222345.2/17

Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18

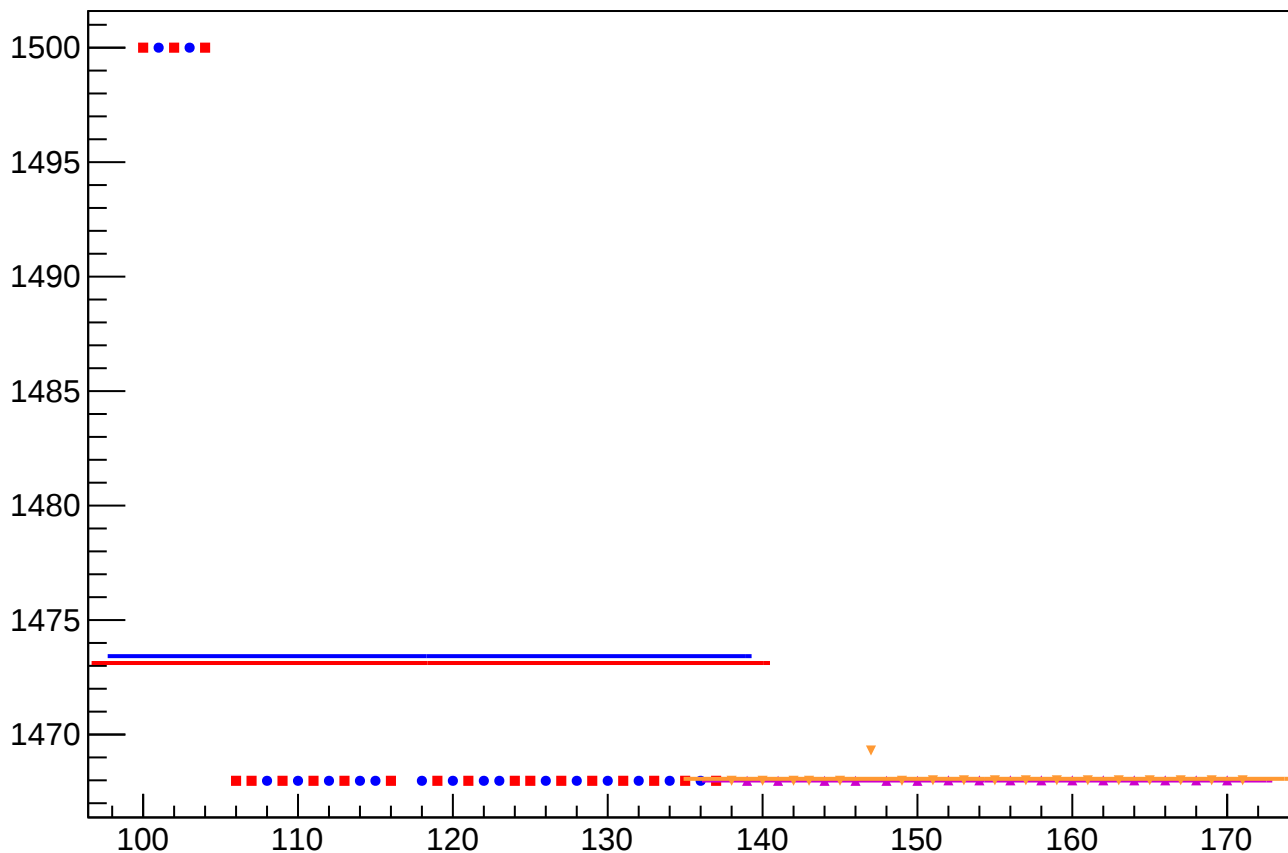
Left In: -29.641+/-0.000 χ^2/NDF : 140328.9/15

+ sign -29.457+/-0.000 χ^2/NDF : 116861196431653

All: -29.455+/-0.000 χ^2/NDF : 231600190217

- 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: 1468.066+/-0.000 χ^2/NDF : 126252457479657231880678260342784.0/17

Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18

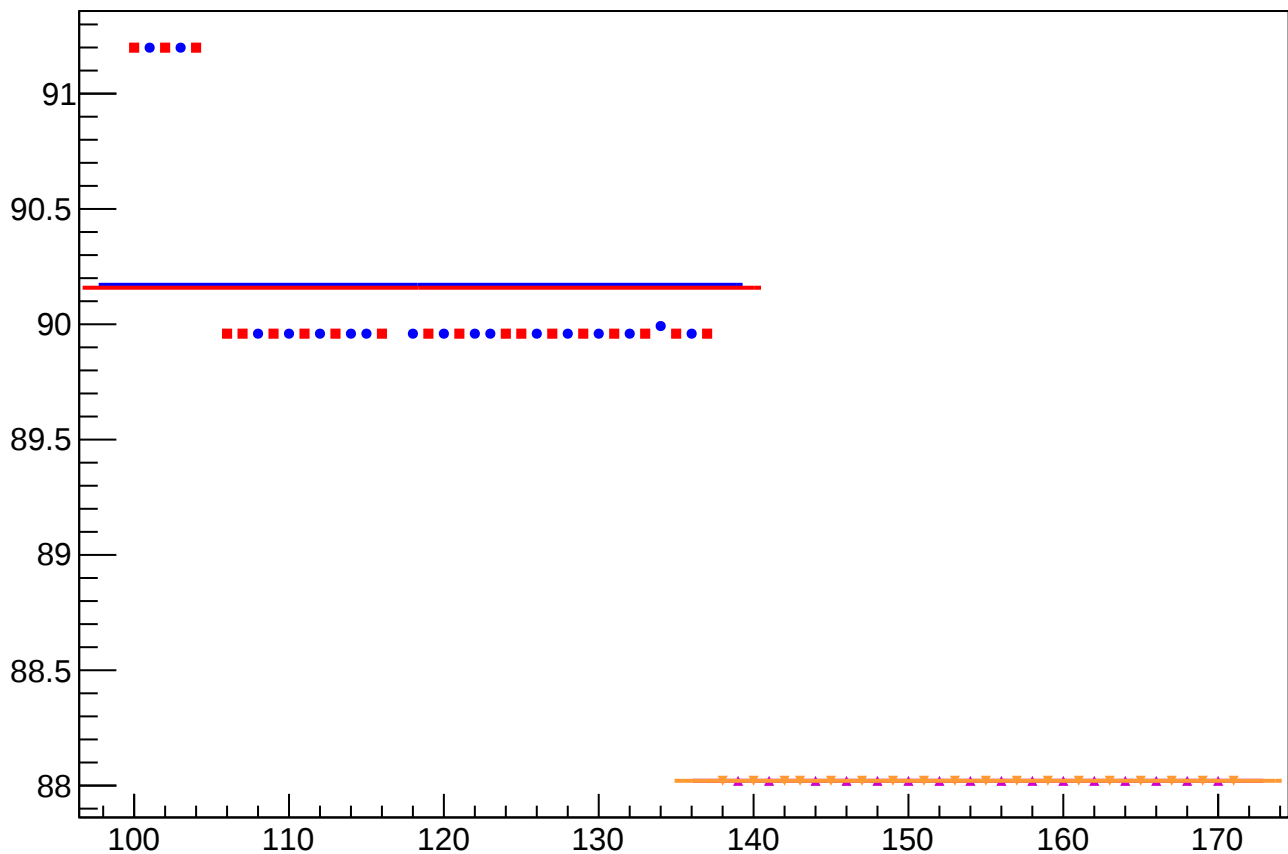
Left In: 1467.992+/-0.000 χ^2/NDF : 122328149272076613380648992768.0/15

+ sign 1469.849+/-0.000 χ^2/NDF : 11383861046161

All: 1469.843+/-0.000 χ^2/NDF : 22585264048

- sign 1469.837+/-0.000 χ^2/NDF : 11201387174302

epics_Phi_FGs_mean vs Slug



Right In: 90.171 $\pm$ 0.000 χ^2/NDF : 150316905454500935857801185460224.0/16

Left Out: 88.021 $\pm$ 0.000 χ^2/NDF : 4526673.2/17

Right Out: 90.159 $\pm$ 0.000 χ^2/NDF : 149705165651000025160777180643328.0/18

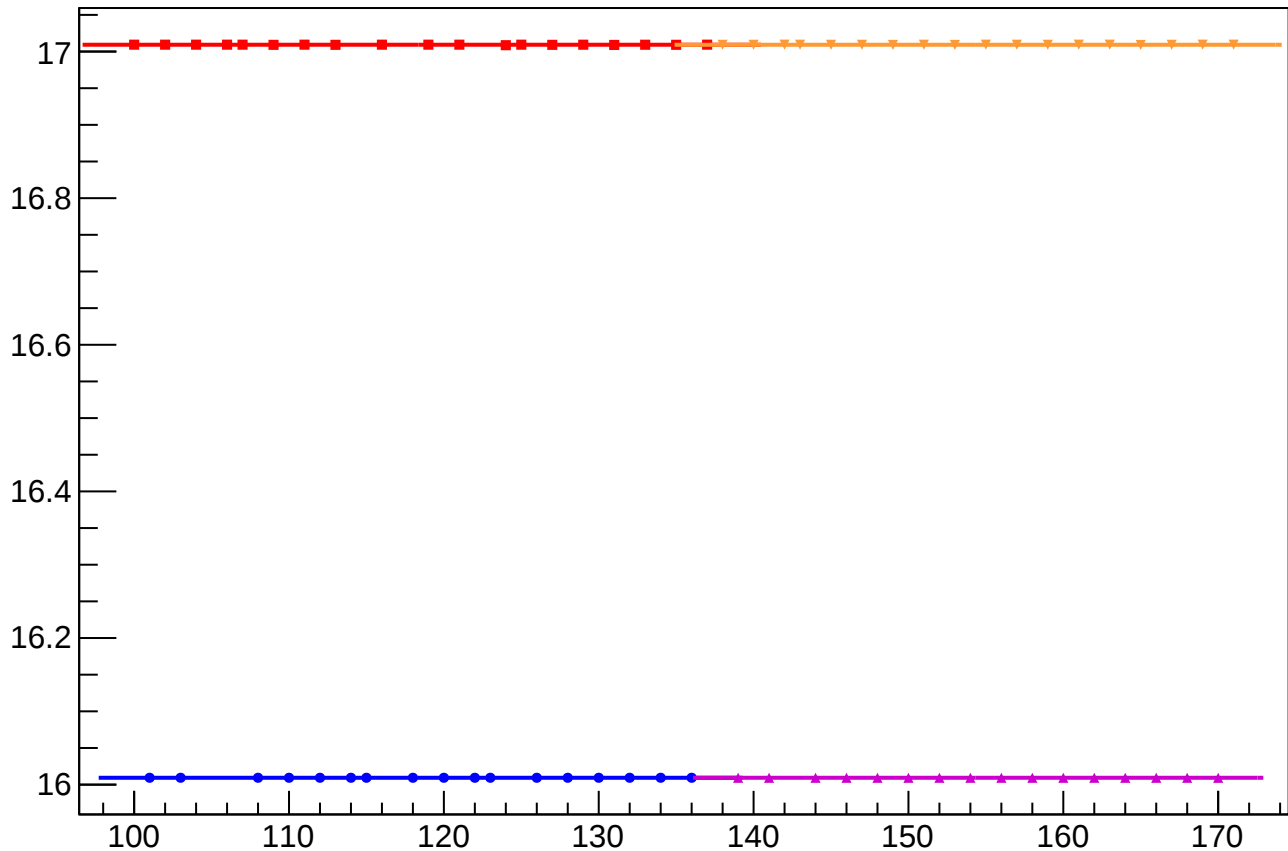
Left In: 88.021 $\pm$ 0.000 χ^2/NDF : 5267823.8/15

+ sign 88.736 $\pm$ 0.000 χ^2/NDF : 2291387421574307

All: 88.762 $\pm$ 0.000 χ^2/NDF : 4557229726747

- sign 88.789 $\pm$ 0.000 χ^2/NDF : 2262979935236374

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 44327.7/16

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 20873096962013805181665280.0/17

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12516014336037541461884928.0/18

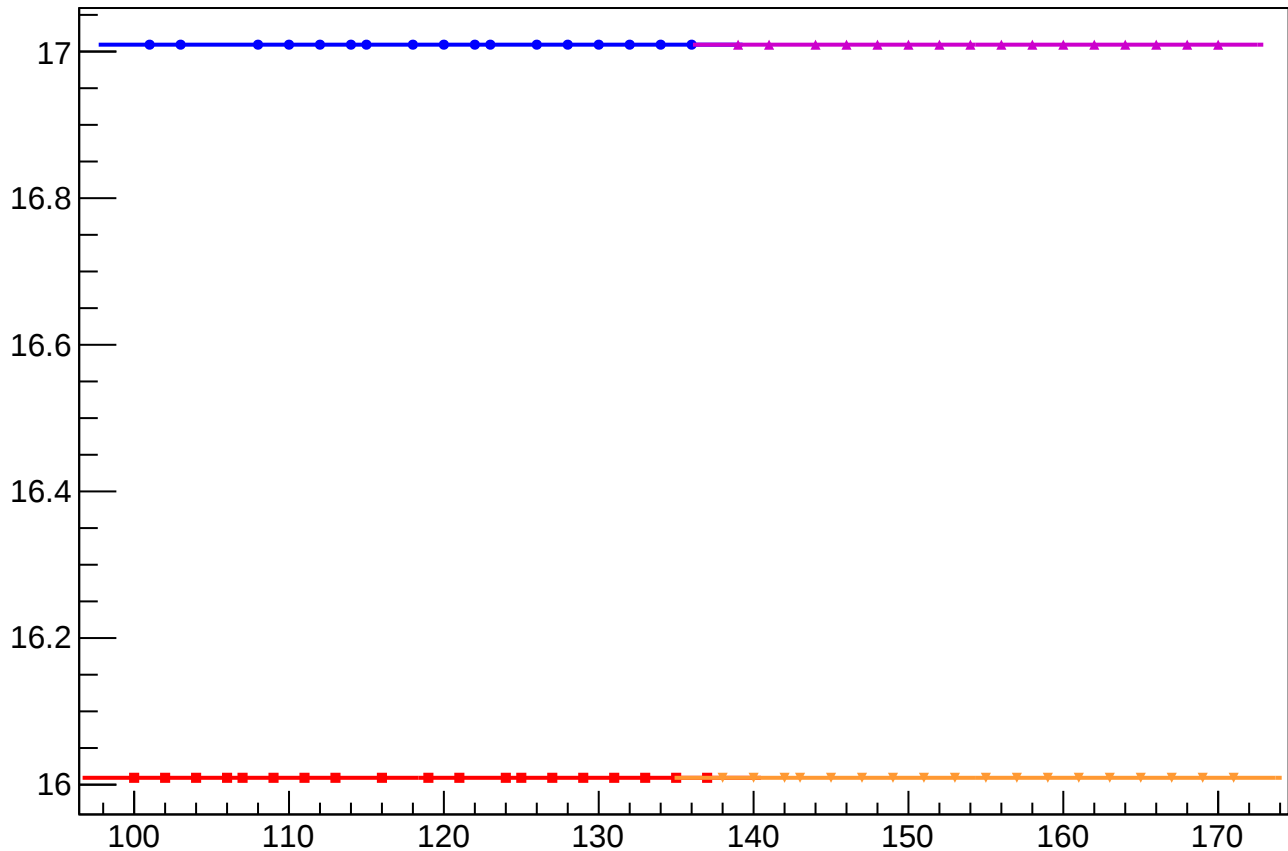
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 125589913746343058210816.0/15

+ sign 16.670 $\pm$ 0.000 χ^2 /NDF: 4371459993943241

All: 16.521 $\pm$ 0.000 χ^2 /NDF: 9485335180467

- sign 16.363 $\pm$ 0.000 χ^2 /NDF: 4223521646801174

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009+/-0.000 χ^2/NDF : 50992.0/17

Right Out: 16.009+/-0.000 χ^2/NDF : 39518.8/18

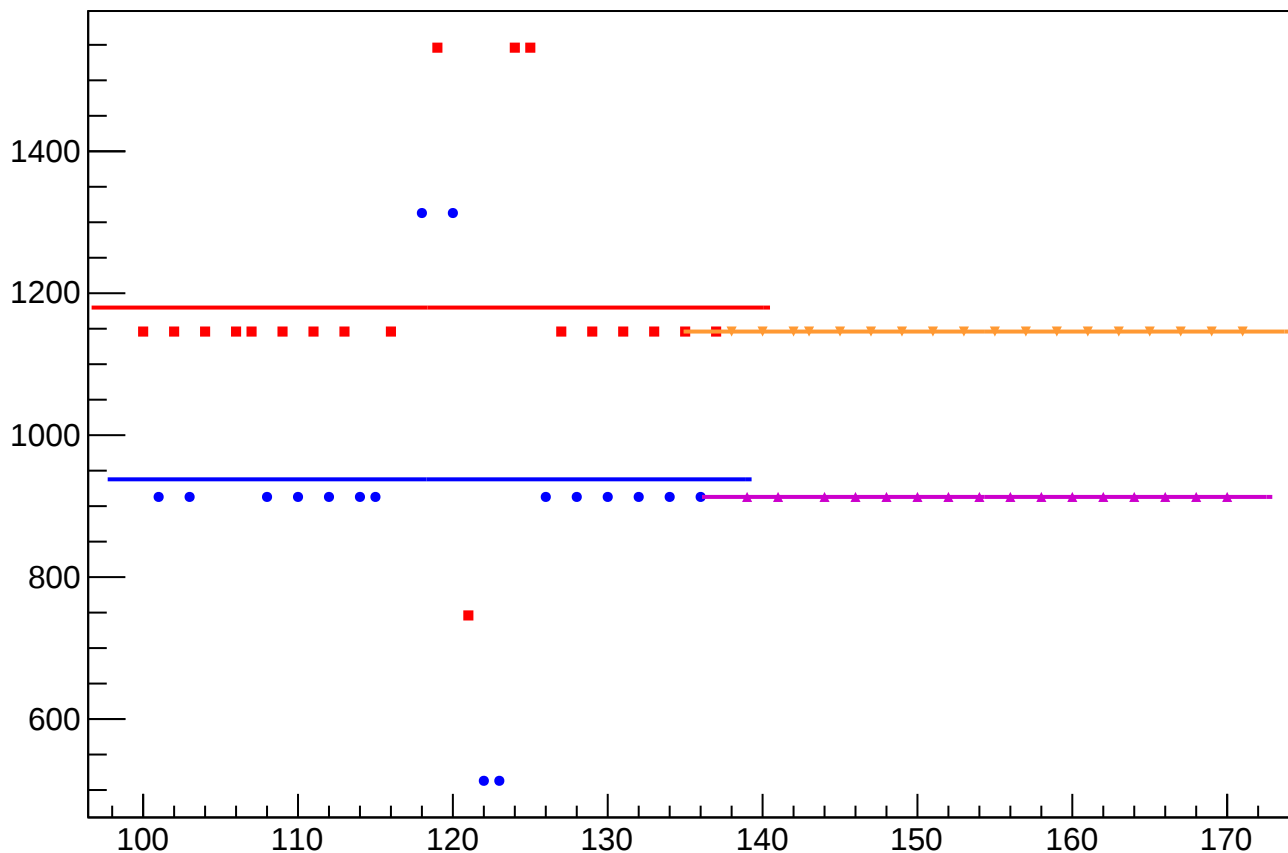
Left In: 17.009+/-0.000 χ^2/NDF : 112849507787674541359104.0/15

+ sign 16.333+/-0.000 χ^2/NDF : 4476997555012163

All: 16.488+/-0.000 χ^2/NDF : 1004702157967

- sign 16.648+/-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 : 4455133713440933889722810368.0/17

Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18

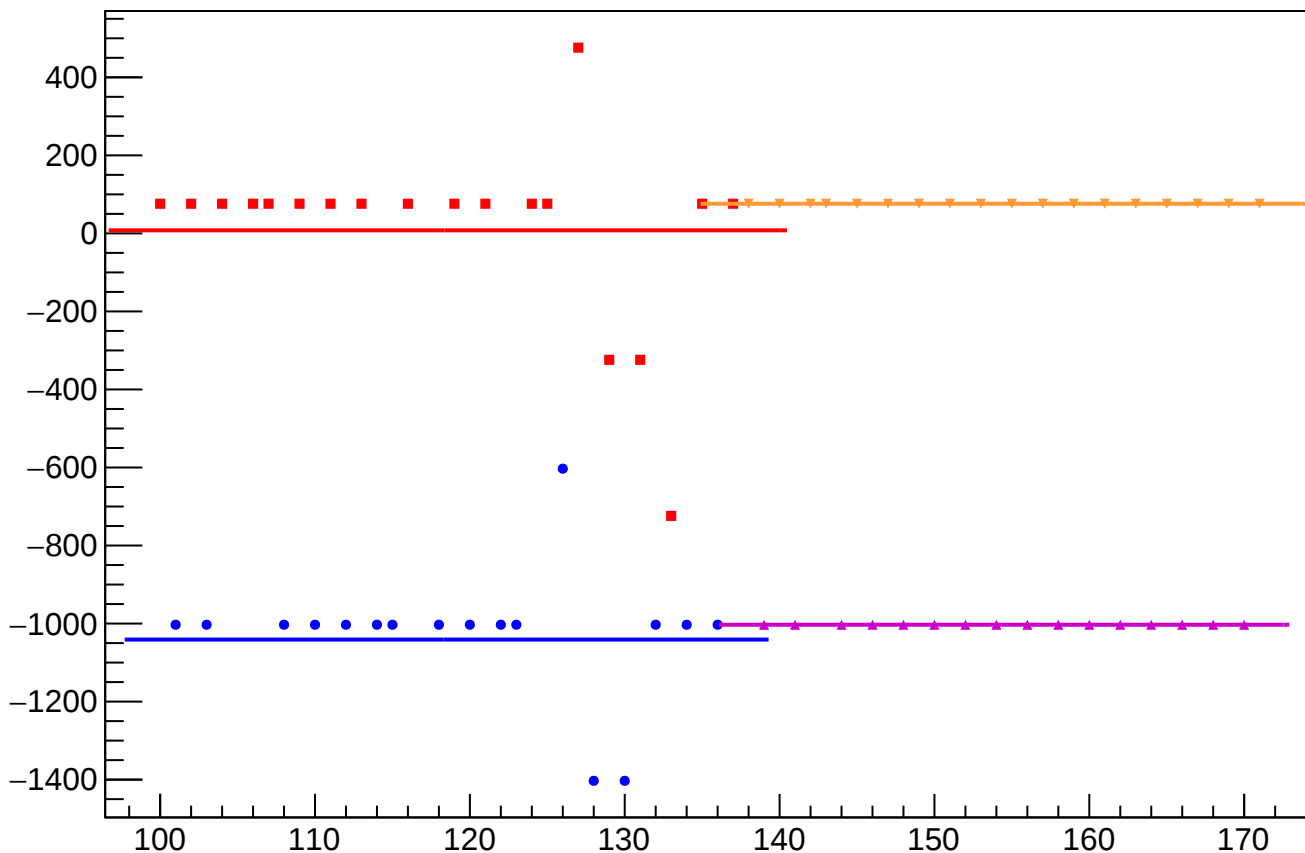
Left In: 912.995+/-0.000 χ^2/NDF : 18081834853671114735039283200.0/15

All: 1043.452+/-0.000 χ^2/NDF : 99962086178

+ sign 1076.700+/-0.000 χ^2/NDF : 40930960203709

- 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 : 10379508717637800306933760000.0/17 + sign -295.800+/-0.000 χ^2/NDF : 60039694349605

Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18 All: -464.429+/-0.000 χ^2/NDF : 12375840774

Left In: -1002.990+/-0.000 χ^2/NDF : 1968619270201557585938612224.0/15 - sign -639.525+/-0.000 χ^2/NDF : 516336126845894