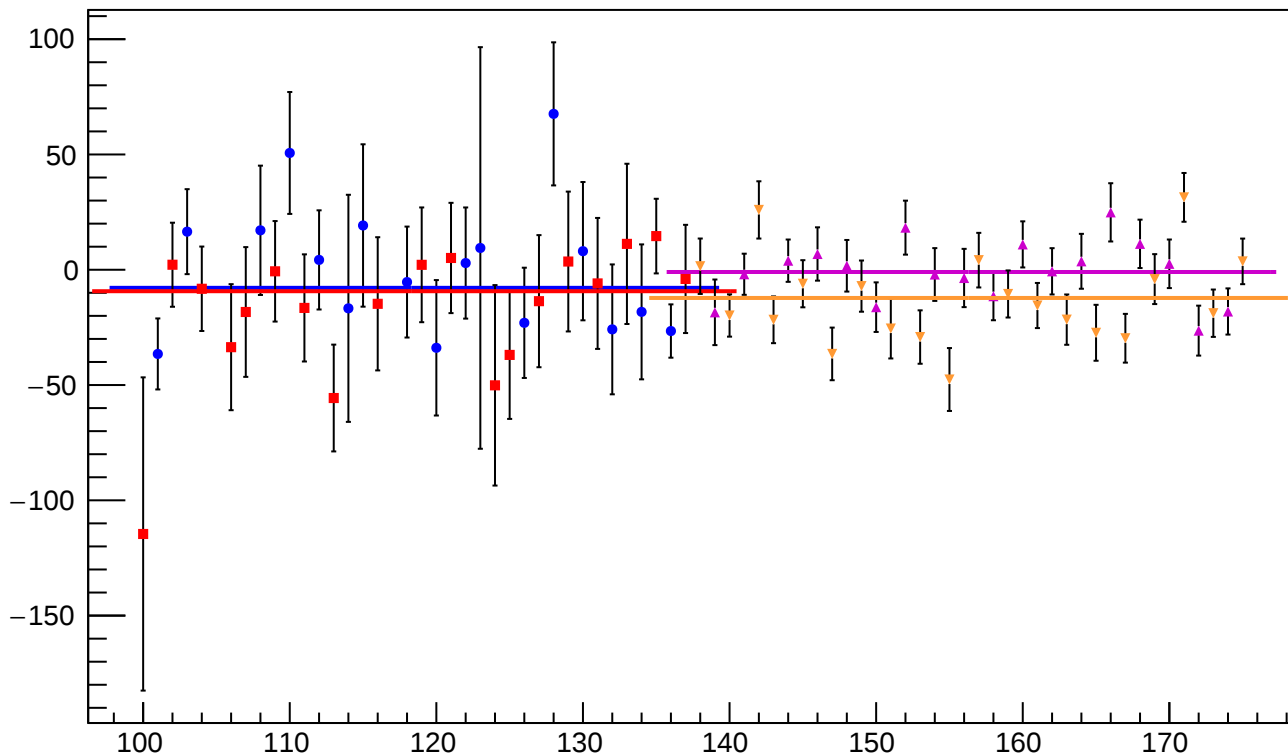


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

$\chi^2/\text{NDF}: 22.6/16$

Left Out: -12.234 ± 2.442

$\chi^2/\text{NDF}: 55.0/19$

Right Out: -9.309 ± 5.677

$\chi^2/\text{NDF}: 13.2/18$

Left In: -0.974 ± 2.551

$\chi^2/\text{NDF}: 23.8/17$

+ sign -11.534 ± 2.239

$\chi^2/\text{NDF}: 78.1/36$

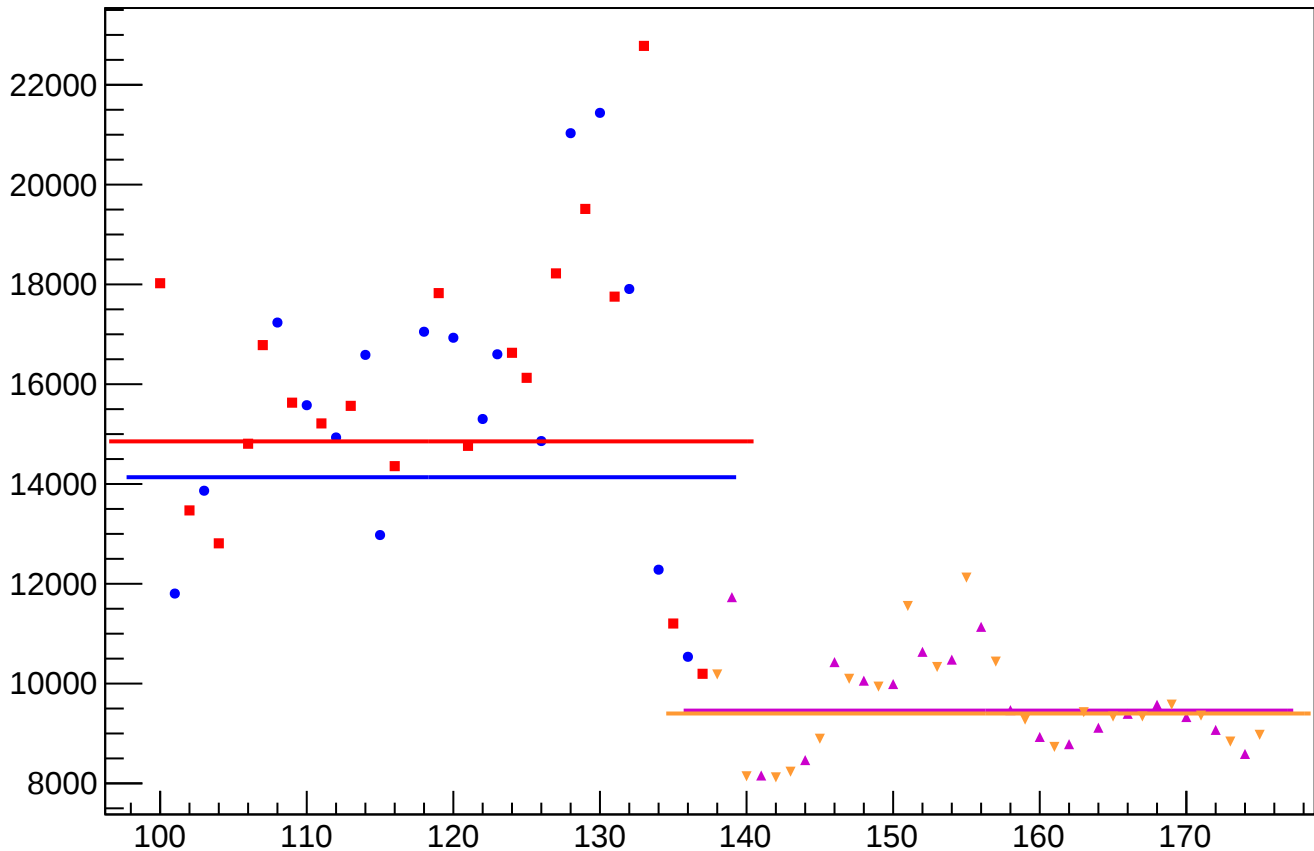
All: -7.129 ± 1.613

$\chi^2/\text{NDF}: 125.0/73$

- sign -2.374 ± 2.327

$\chi^2/\text{NDF}: 38.8/36$

diff_bpm4aX_rms vs Slug



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

Left Out: 9400.329+/-1.727 χ^2/NDF : 294178.9/19

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

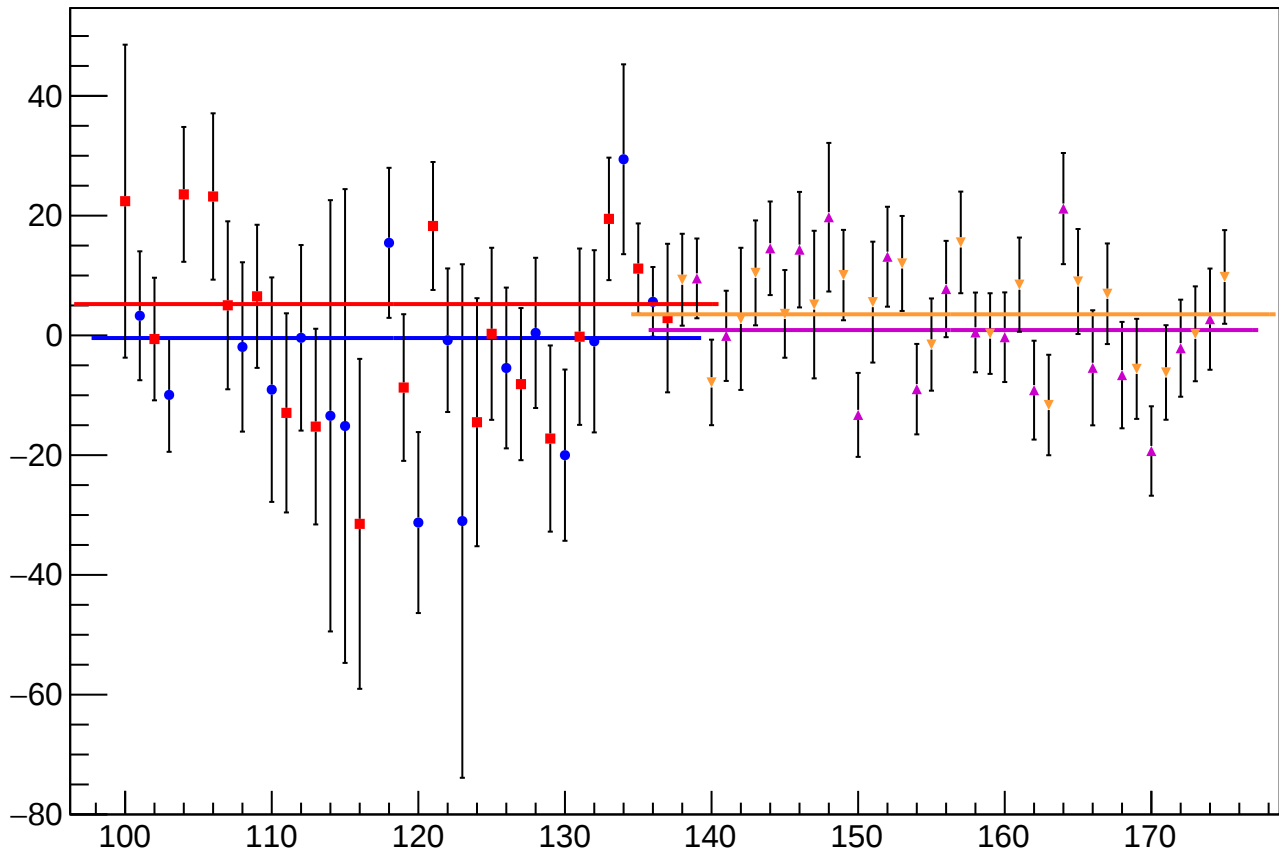
Left In: 9458.360+/-1.804 χ^2/NDF : 247635.0/17

+ sign 10155.289+/-1.583 χ^2/NDF : 2089937.4/36

All: 10255.925+/-1.141 χ^2/NDF : 4321134.4/7

- sign 10364.563+/-1.645 χ^2/NDF : 2222797.0/36

diff_bpm4aY_mean vs Slug



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

Left Out: 3.524 ± 1.831 χ^2/NDF : 16.1/19

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

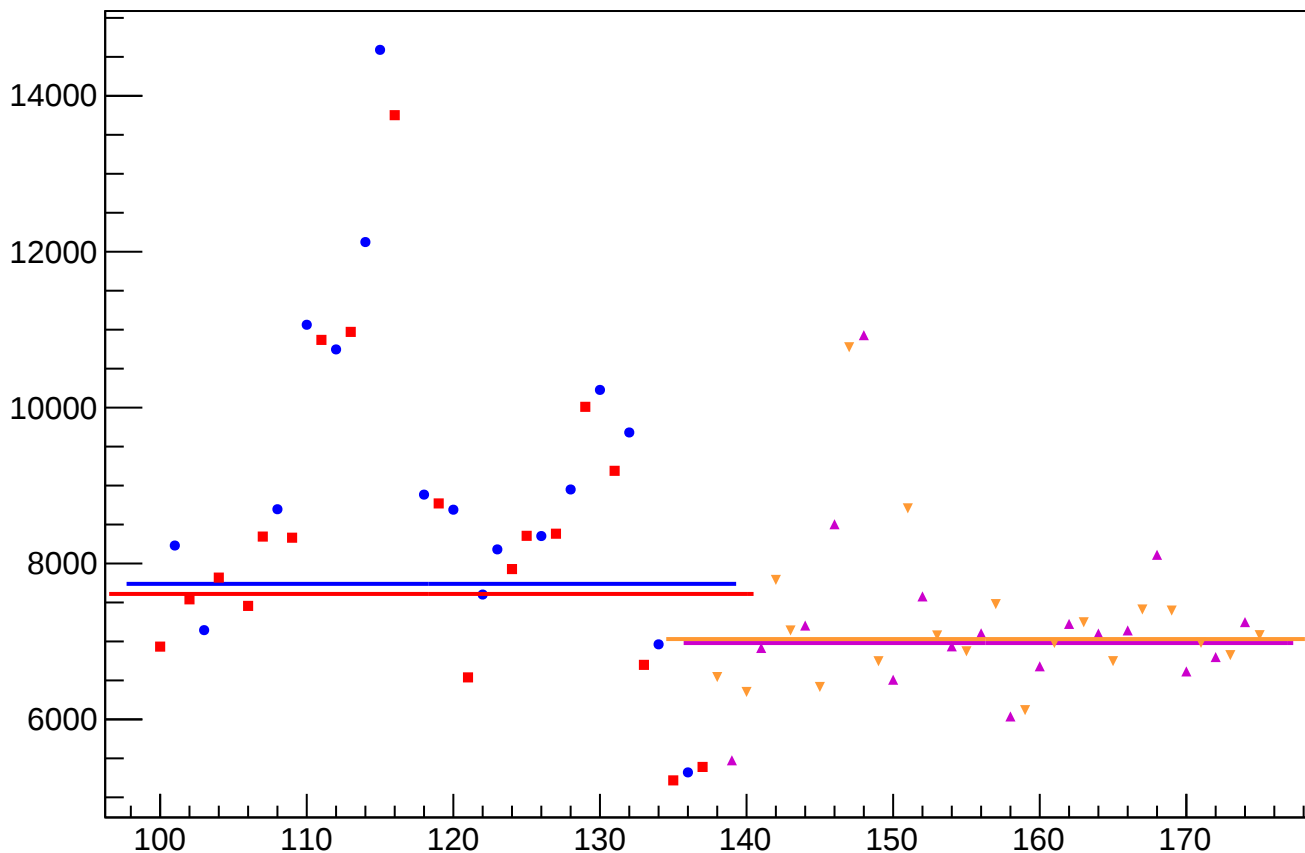
Left In: 0.892 ± 1.894 χ^2/NDF : 32.6/17

+ sign 2.484 ± 1.573 χ^2/NDF : 31.8/36

All: 2.327 ± 1.119 χ^2/NDF : 85.3/73

- sign 2.166 ± 1.591 χ^2/NDF : 53.5/36

diff_bpm4aY_rms vs Slug



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

Left Out: 7030.644 $\pm$ 1.295 χ^2 /NDF:347370.2/19

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

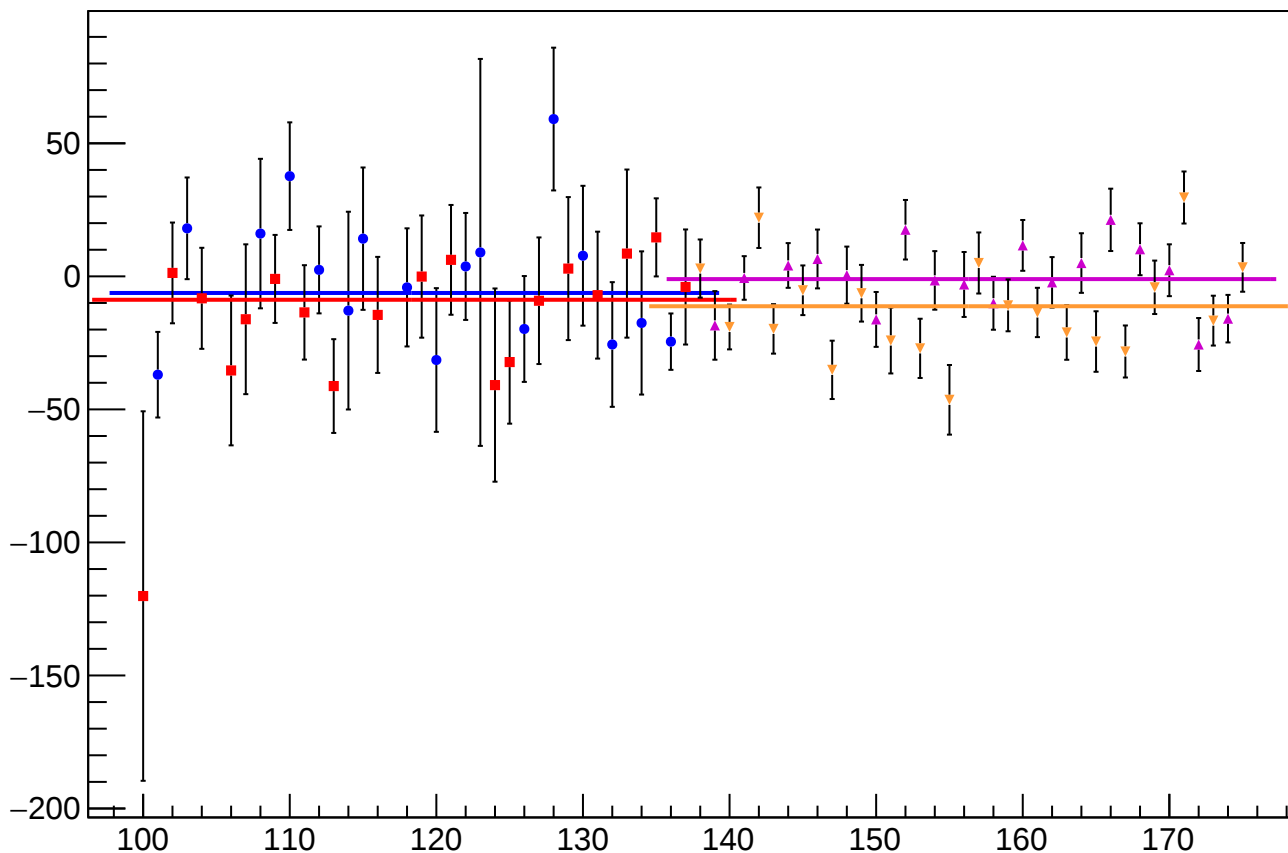
Left In: 6979.437 $\pm$ 1.339 χ^2 /NDF:462277.0/17

+ sign 7216.438 $\pm$ 1.112 χ^2 /NDF: 1166673.2/36

All: 7190.824 $\pm$ 0.791 χ^2 /NDF: 2374257.0/73

- sign 7164.602 $\pm$ 1.125 χ^2 /NDF: 1206510.6/36

diff_bpm4eX_mean vs Slug



Right In: -6.244 $\pm$ 5.017 χ^2 /NDF: 23.2/16

Left Out: -11.234 $\pm$ 2.282 χ^2 /NDF: 55.9/19

Right Out: -8.802 $\pm$ 4.999 χ^2 /NDF: 13.1/18

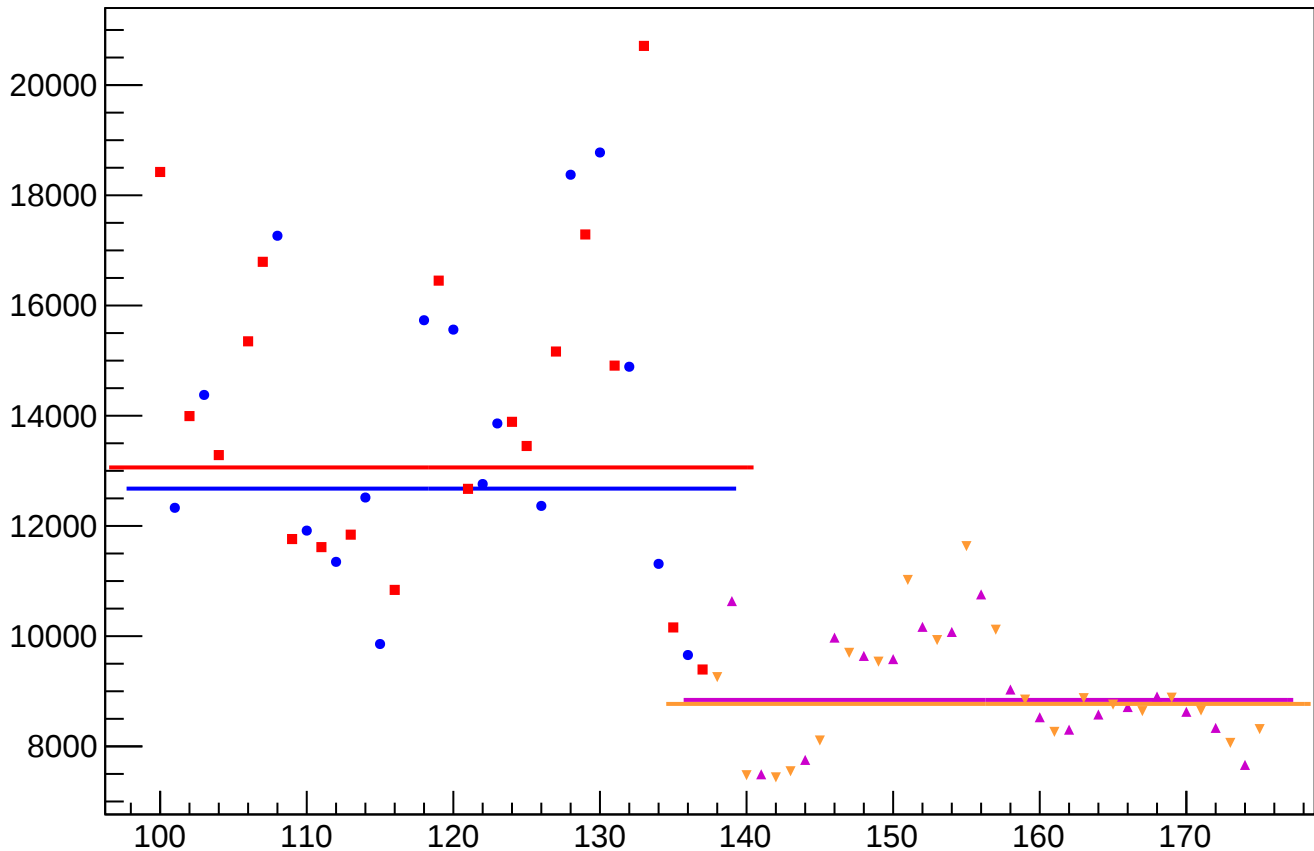
Left In: -1.033 $\pm$ 2.388 χ^2 /NDF: 24.4/17

+ sign -10.379 $\pm$ 2.078 χ^2 /NDF: 79.9/36

All: -6.571 $\pm$ 1.496 χ^2 /NDF: 126.4/73

- sign -2.476 $\pm$ 2.155 χ^2 /NDF: 39.5/36

diff_bpm4eX_rms vs Slug



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

Left Out: 8770.480+/-1.614 χ^2/NDF : 382570.9/19

+ sign 9440.381+/-1.469 χ^2/NDF : 1940999.4/36

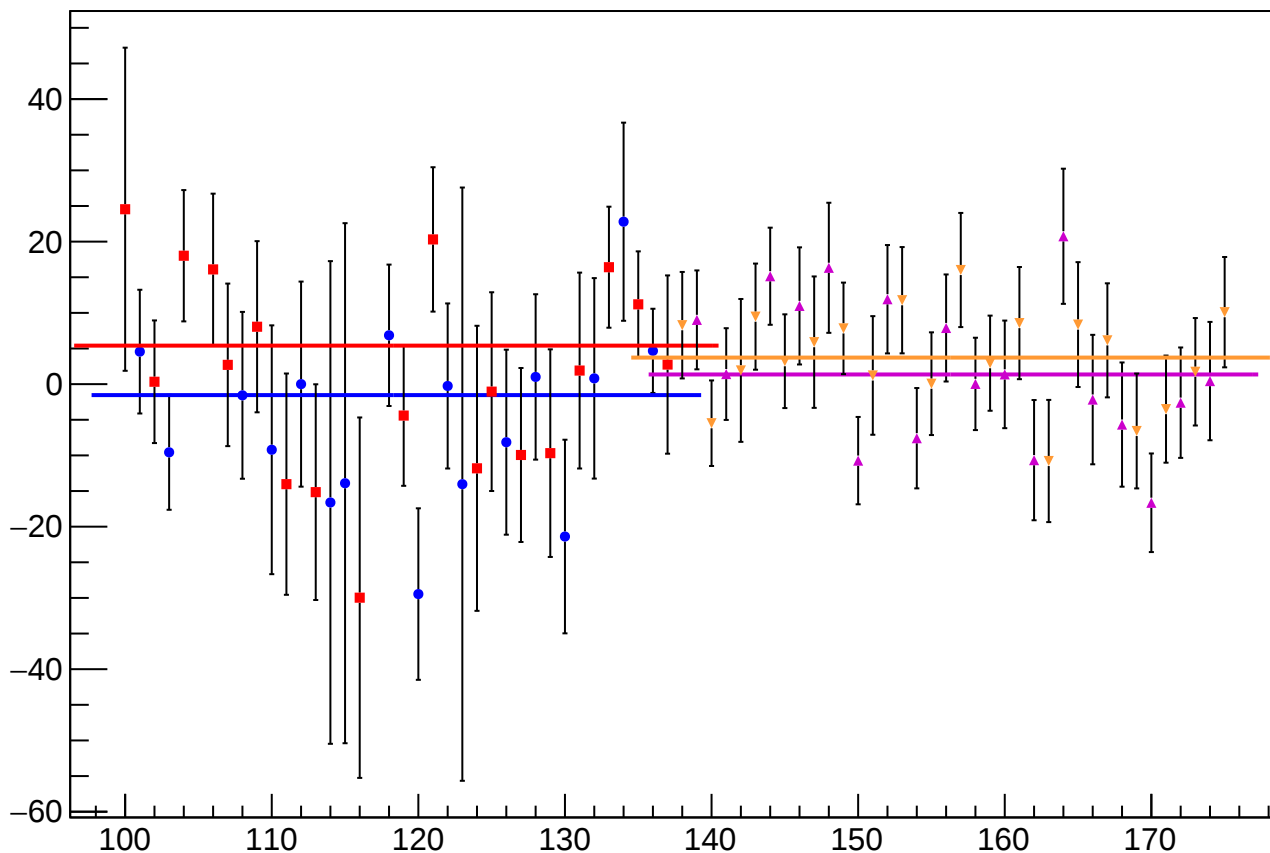
Right Out: 13061.839+/-3.535 χ^2/NDF : 497429.6/18

All: 9530.149+/-1.058 χ^2/NDF : 3928956.4/73

Left In: 8843.012+/-1.688 χ^2/NDF : 323069.8/17

- sign 9626.706+/-1.524 χ^2/NDF : 1980206.7/36

diff_bpm4eY_mean vs Slug



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

Left Out: 3.727 ± 1.695 χ^2/NDF : 14.6/19

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

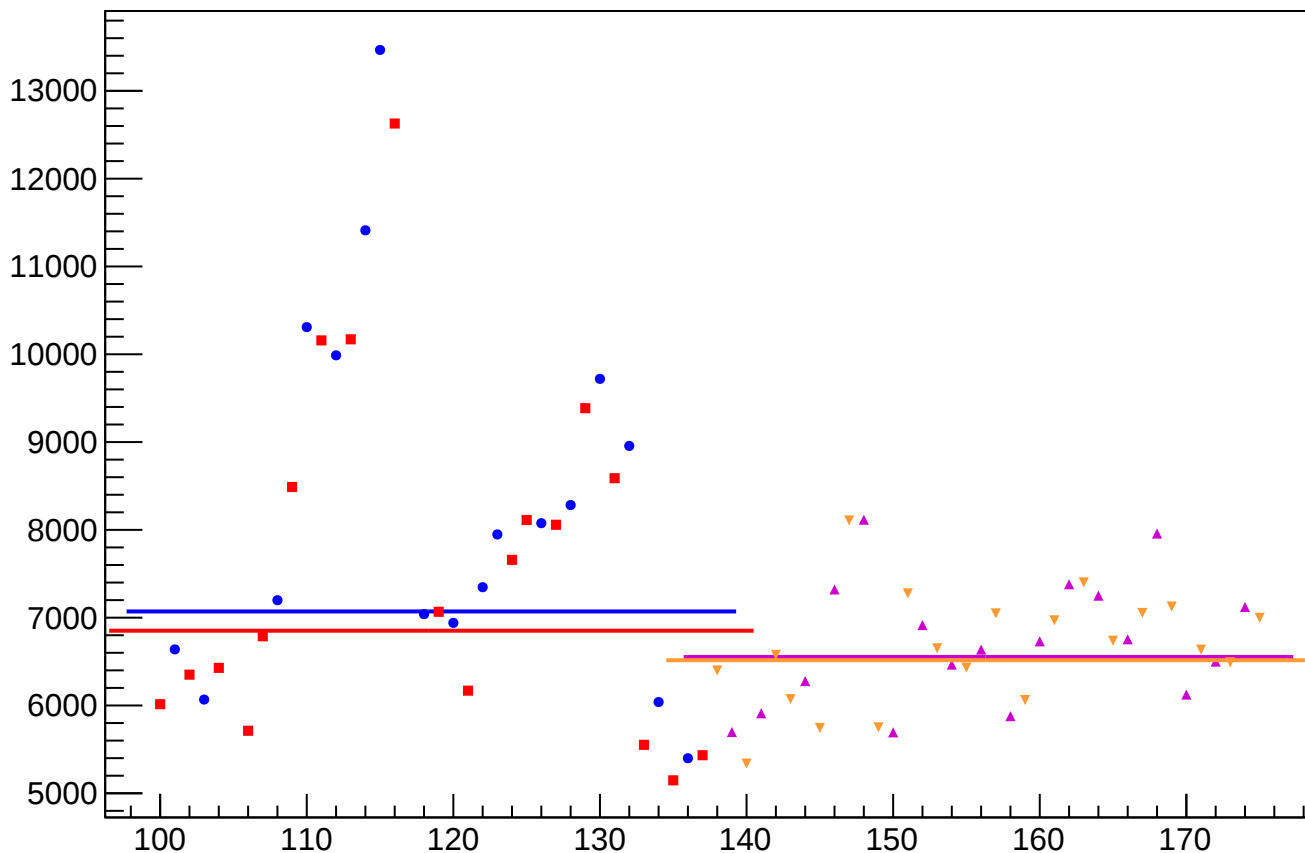
Left In: 1.358 ± 1.771 χ^2/NDF : 31.7/17

+ sign 2.309 ± 1.448 χ^2/NDF : 32.1/36

All: 2.459 ± 1.032 χ^2/NDF : 84.0/73

- sign 2.614 ± 1.471 χ^2/NDF : 51.9/36

diff_bpm4eY_rms vs Slug



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

Left Out: 6515.559+/-1.198 χ^2/NDF : 294001.3/19

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

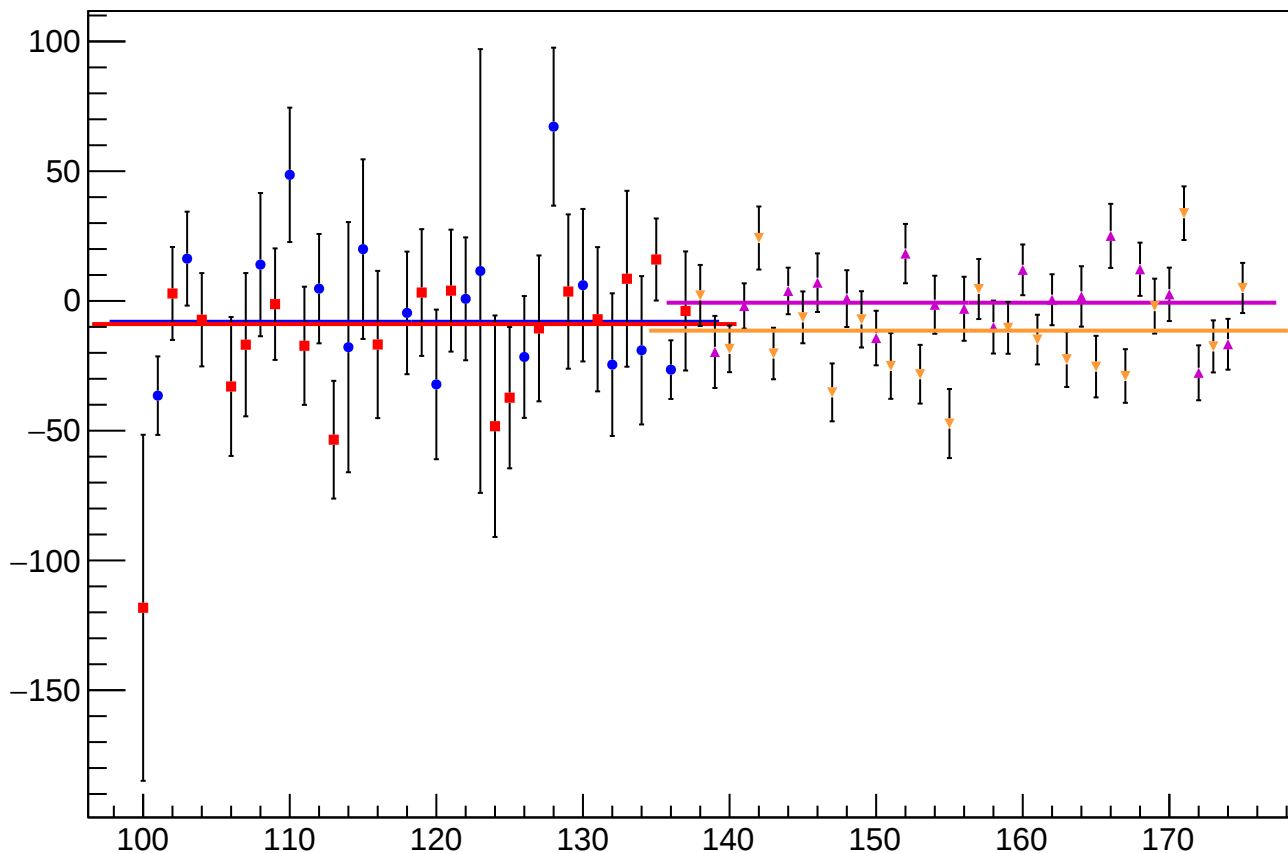
Left In: 6552.616+/-1.252 χ^2/NDF : 296975.7/17

+ sign 6665.231+/-1.024 χ^2/NDF : 952652.5/36

All: 6655.469+/-0.730 χ^2/NDF : 1951907.6/73

- sign 6645.407+/-1.040 χ^2/NDF : 999070.6/36

diff_bpm4acX_mean vs Slug



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

Left Out: -11.445 ± 2.388 χ^2/NDF : 57.5/19

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

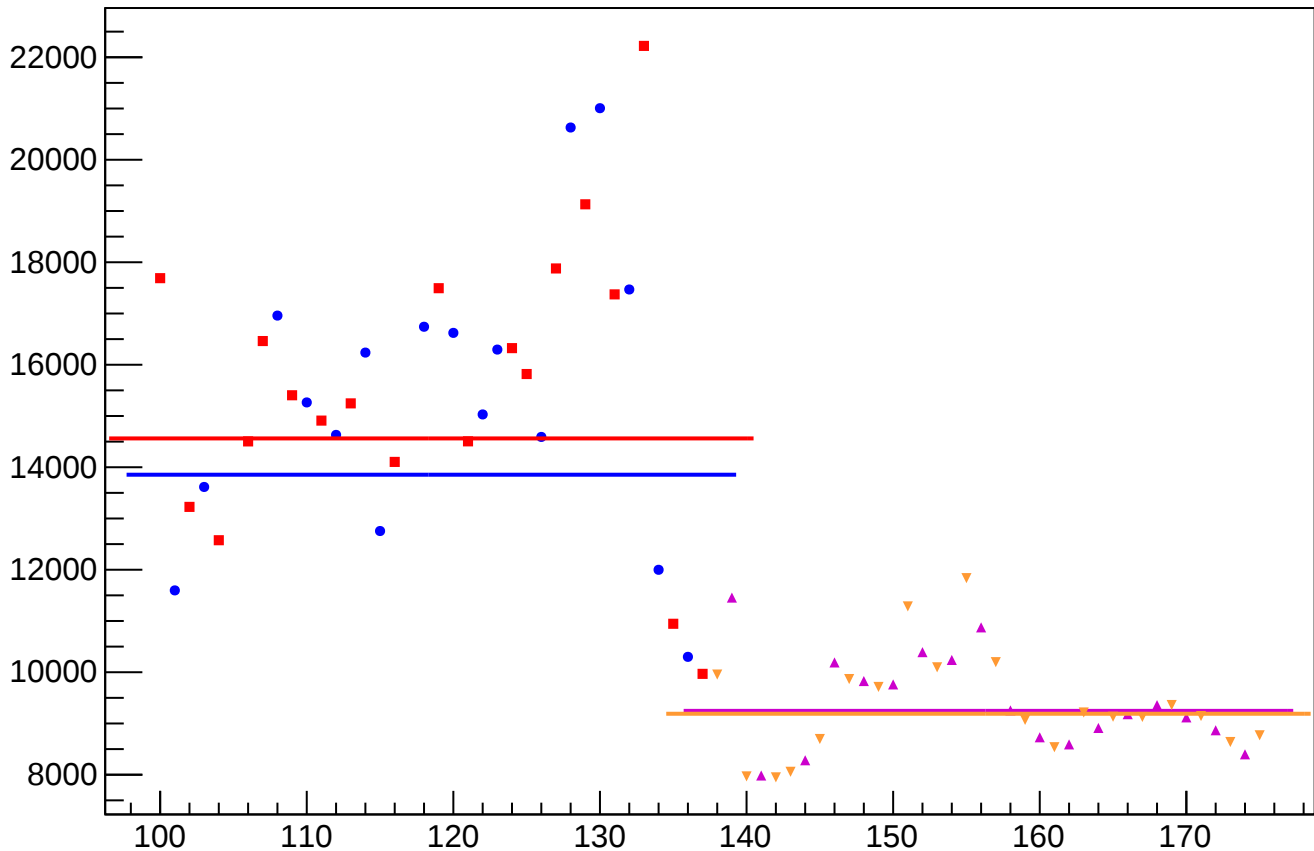
Left In: -0.676 ± 2.493 χ^2/NDF : 24.9/17

+ sign -10.904 ± 2.190 χ^2/NDF : 80.4/36

All: -6.647 ± 1.578 χ^2/NDF : 128.7/73

- sign -2.052 ± 2.275 χ^2/NDF : 40.4/36

diff_bpm4acX_rms vs Slug



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

Left Out: 9189.738+/-1.688 χ^2/NDF : 291064.5/19

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

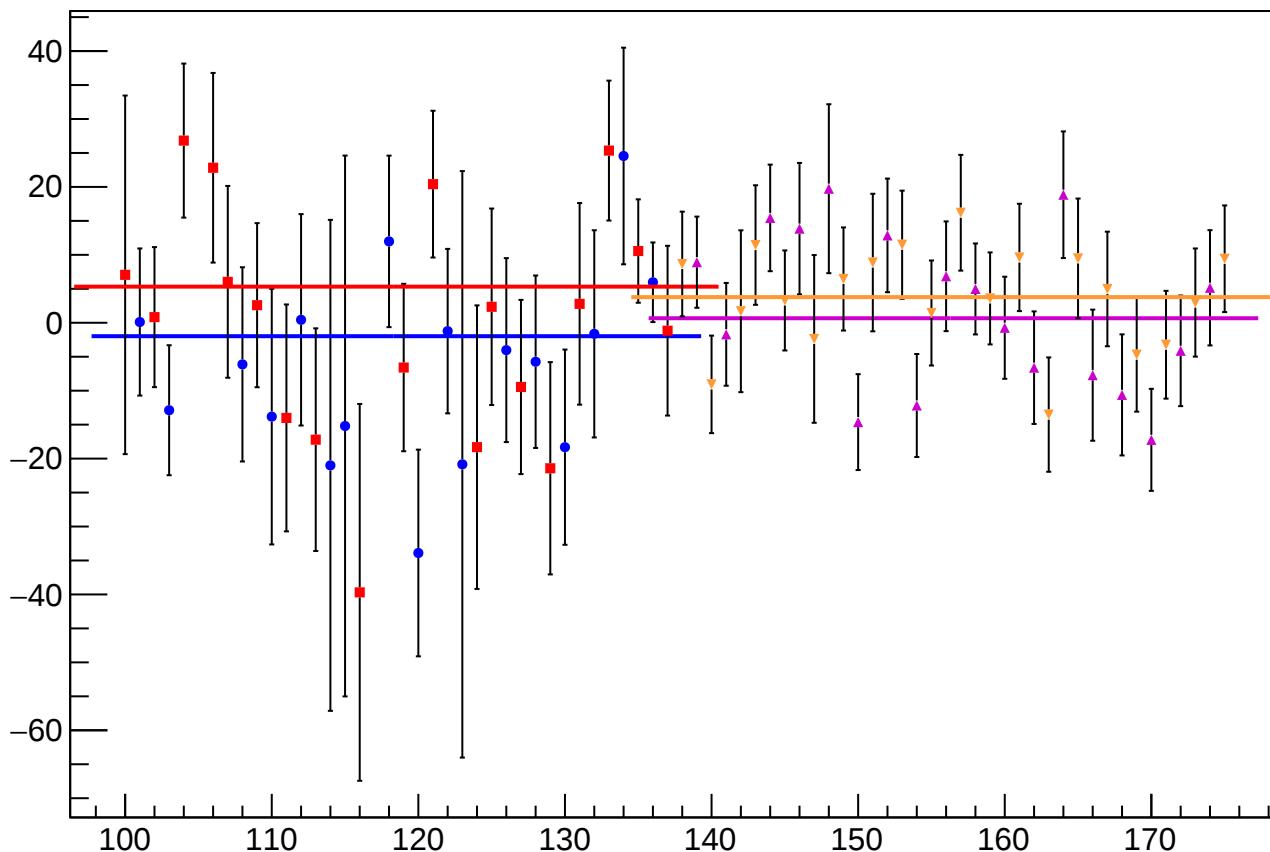
Left In: 9245.953+/-1.763 χ^2/NDF : 244907.6/17

+ sign 9929.916+/-1.548 χ^2/NDF : 2103397.1/36

All: 10028.215+/-1.116 χ^2/NDF : 4350588.9/7

- sign 10134.337+/-1.609 χ^2/NDF : 2238811.4/36

diff_bpm4acY_mean vs Slug



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

Left Out: 3.777 ± 1.840 χ^2/NDF : 15.7/19

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

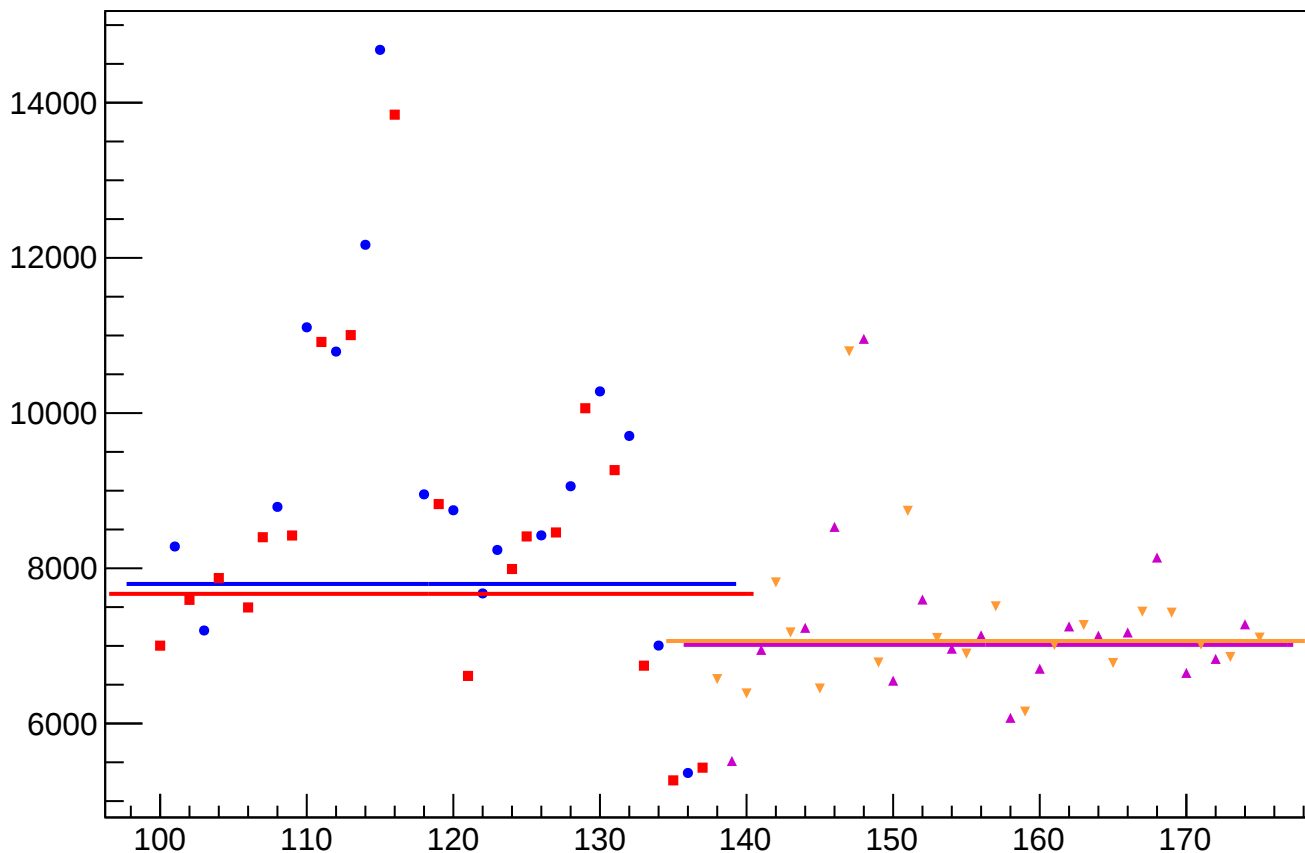
Left In: 0.664 ± 1.903 χ^2/NDF : 33.3/17

+ sign 2.274 ± 1.581 χ^2/NDF : 32.3/36

All: 2.152 ± 1.125 χ^2/NDF : 91.7/73

- sign 2.026 ± 1.600 χ^2/NDF : 59.4/36

diff_bpm4acY_rms vs Slug



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

Left Out: 7062.940+/-1.301 χ^2/NDF :343434.6/19

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

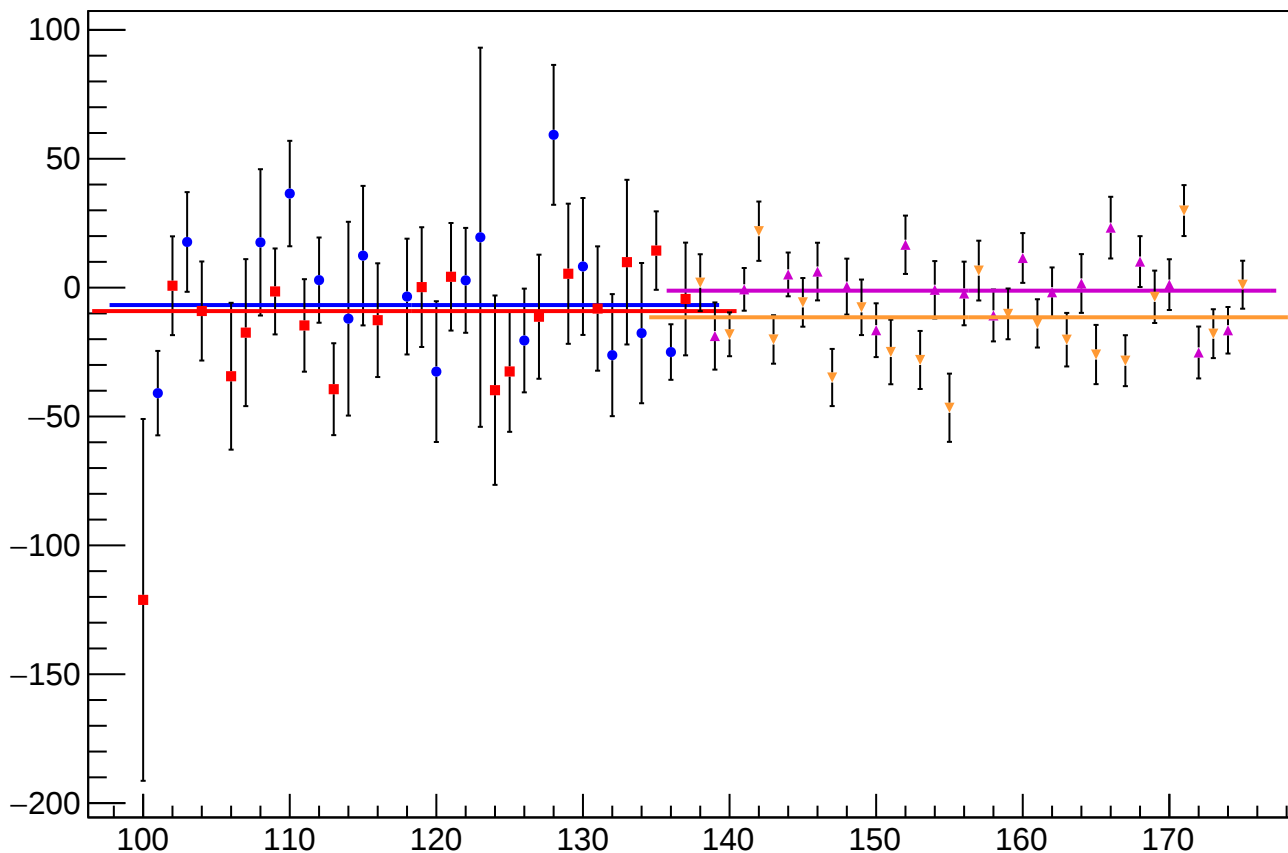
Left In: 7013.020+/-1.345 χ^2/NDF :455194.0/17

+ sign 7254.985+/-1.118 χ^2/NDF : 1163183.8/36

All: 7230.498+/-0.795 χ^2/NDF : 2361933.2/73

- sign 7205.415+/-1.132 χ^2/NDF : 1197778.3/36

diff_bpm4ecX_mean vs Slug



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

Left Out: -11.503 ± 2.308 χ^2/NDF : 54.8/19

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

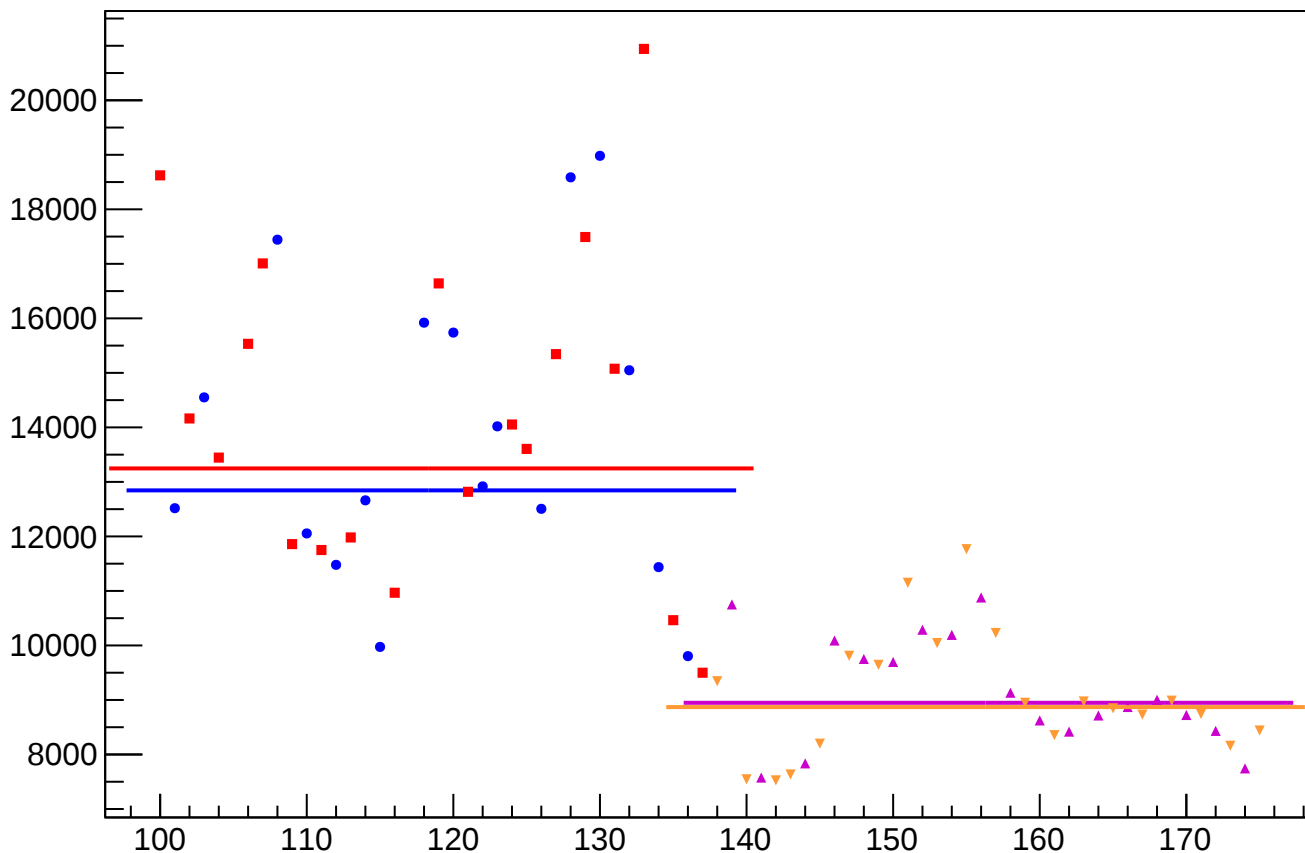
Left In: -1.180 ± 2.417 χ^2/NDF : 24.3/17

+ sign -10.693 ± 2.102 χ^2/NDF : 79.2/36

All: -6.820 ± 1.514 χ^2/NDF : 124.8/73

- sign -2.646 ± 2.182 χ^2/NDF : 38.5/36

diff_bpm4ecX_rms vs Slug



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

Left Out: 8869.357+/-1.632 χ^2/NDF : 383112.4/19

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

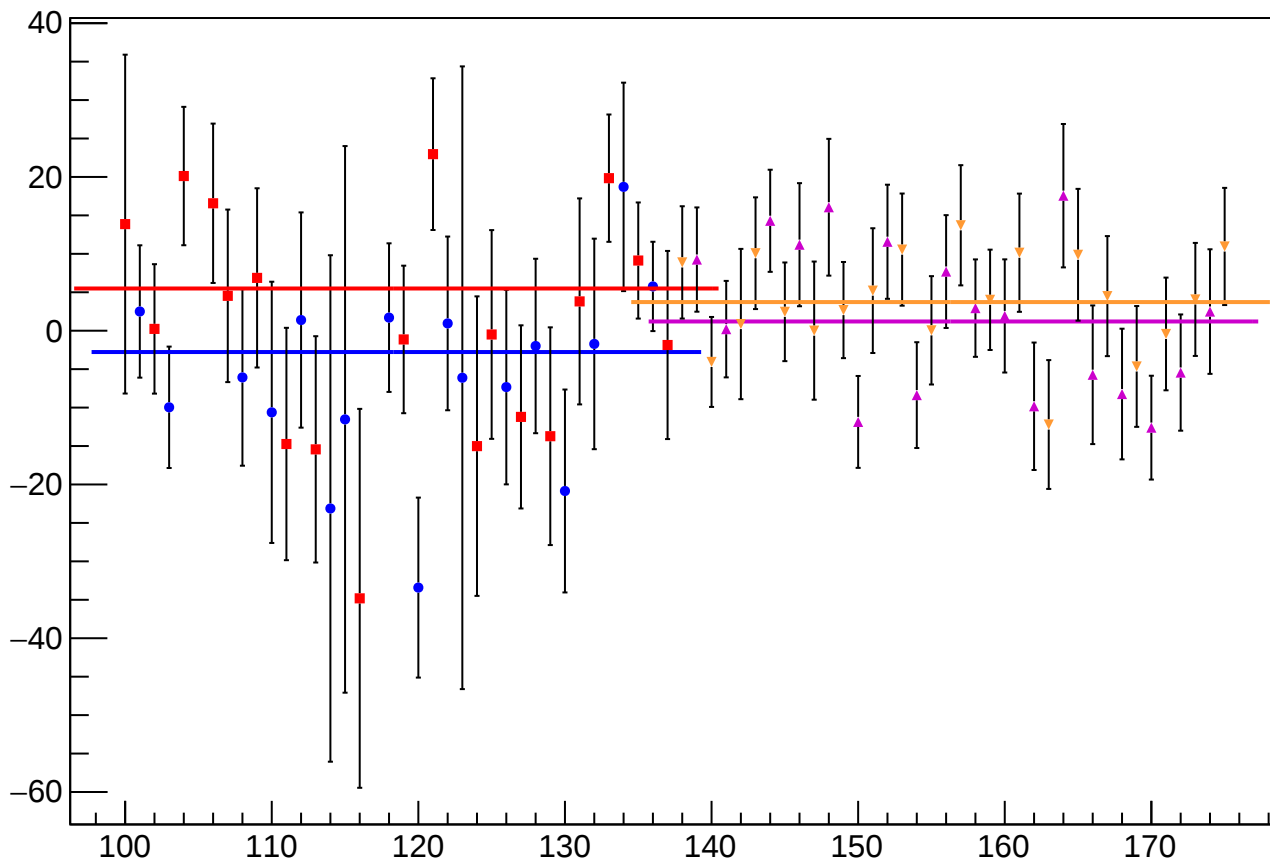
Left In: 8948.180+/-1.709 χ^2/NDF : 323311.0/17

+ sign 9548.553+/-1.486 χ^2/NDF : 1943803.8/36

All: 9642.674+/-1.070 χ^2/NDF : 3932501.6/73

- sign 9744.083+/-1.543 χ^2/NDF : 1980366.0/36

diff_bpm4ecY_mean vs Slug



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

Left Out: 3.725 ± 1.655 χ^2/NDF : 13.4/19

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

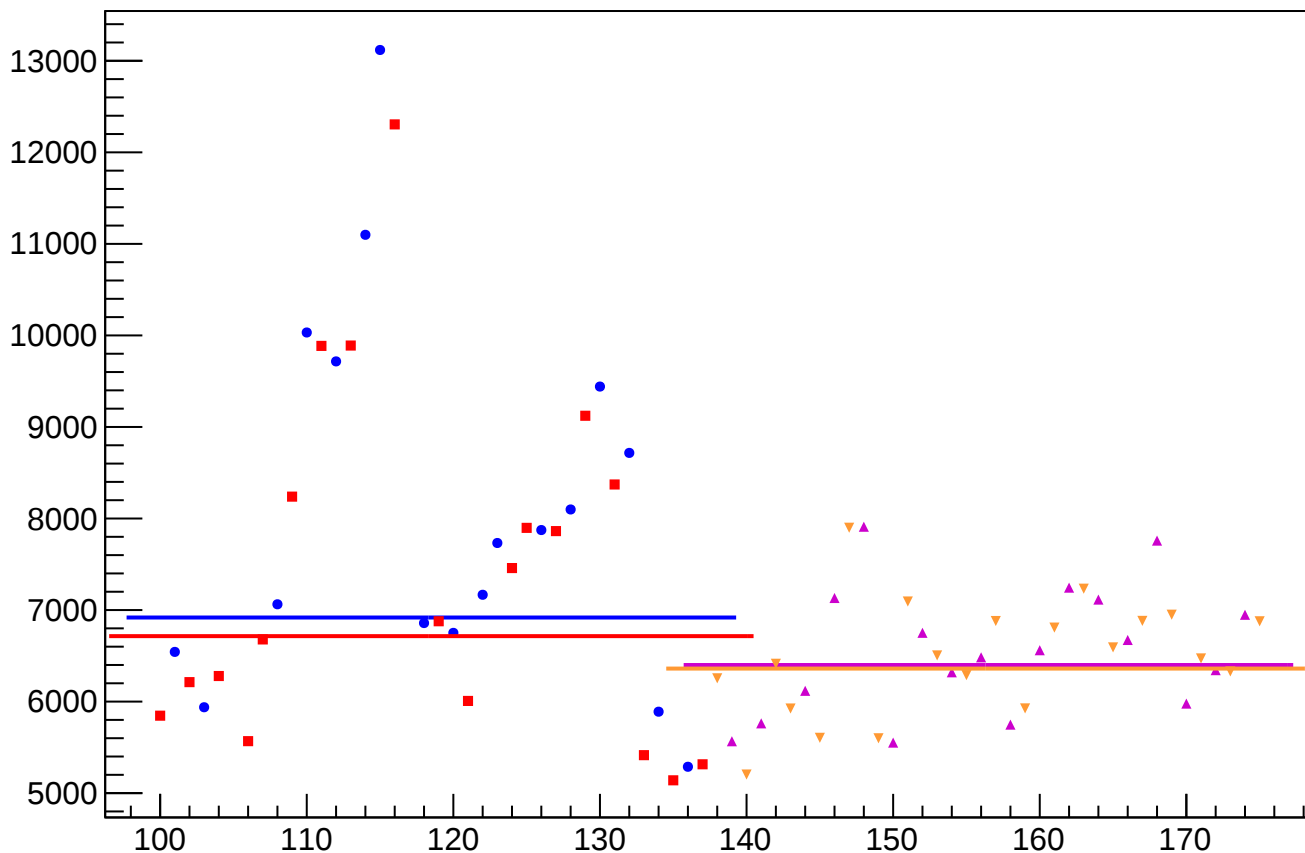
Left In: 1.201 ± 1.730 χ^2/NDF : 30.9/17

+ sign 1.981 ± 1.415 χ^2/NDF : 33.4/36

All: 2.249 ± 1.009 χ^2/NDF : 89.4/73

- sign 2.526 ± 1.438 χ^2/NDF : 55.9/36

diff_bpm4ecY_rms vs Slug



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

Left Out: 6360.677+/-1.170 χ^2/NDF : 296784.5/19

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

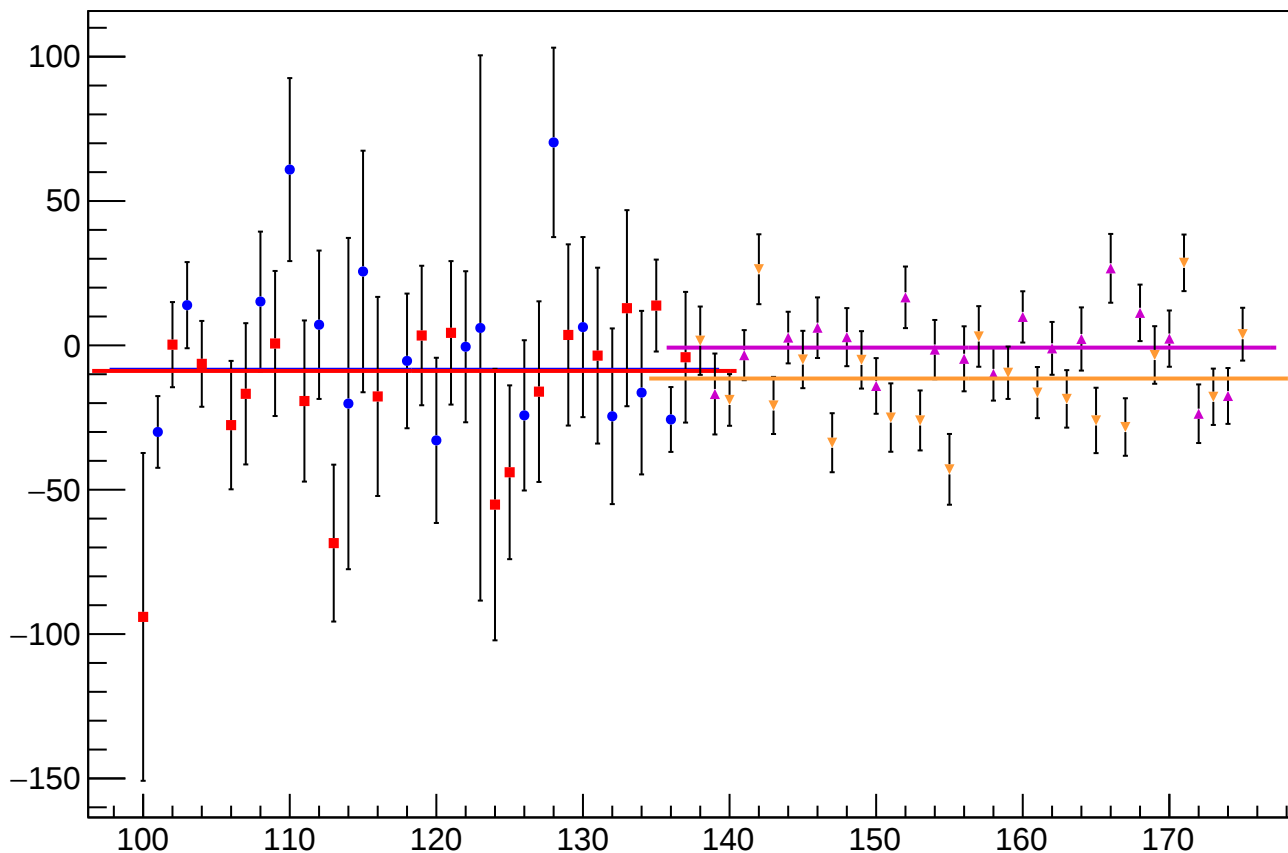
Left In: 6399.526+/-1.223 χ^2/NDF : 298772.6/17

+ sign 6510.389+/-1.001 χ^2/NDF : 944835.1/36

All: 6503.800+/-0.713 χ^2/NDF : 1920255.3/73

- sign 6496.995+/-1.017 χ^2/NDF : 975332.0/36

diff_bpm1X_mean vs Slug



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

Left Out: -11.482 ± 2.268 χ^2/NDF : 55.9/19

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

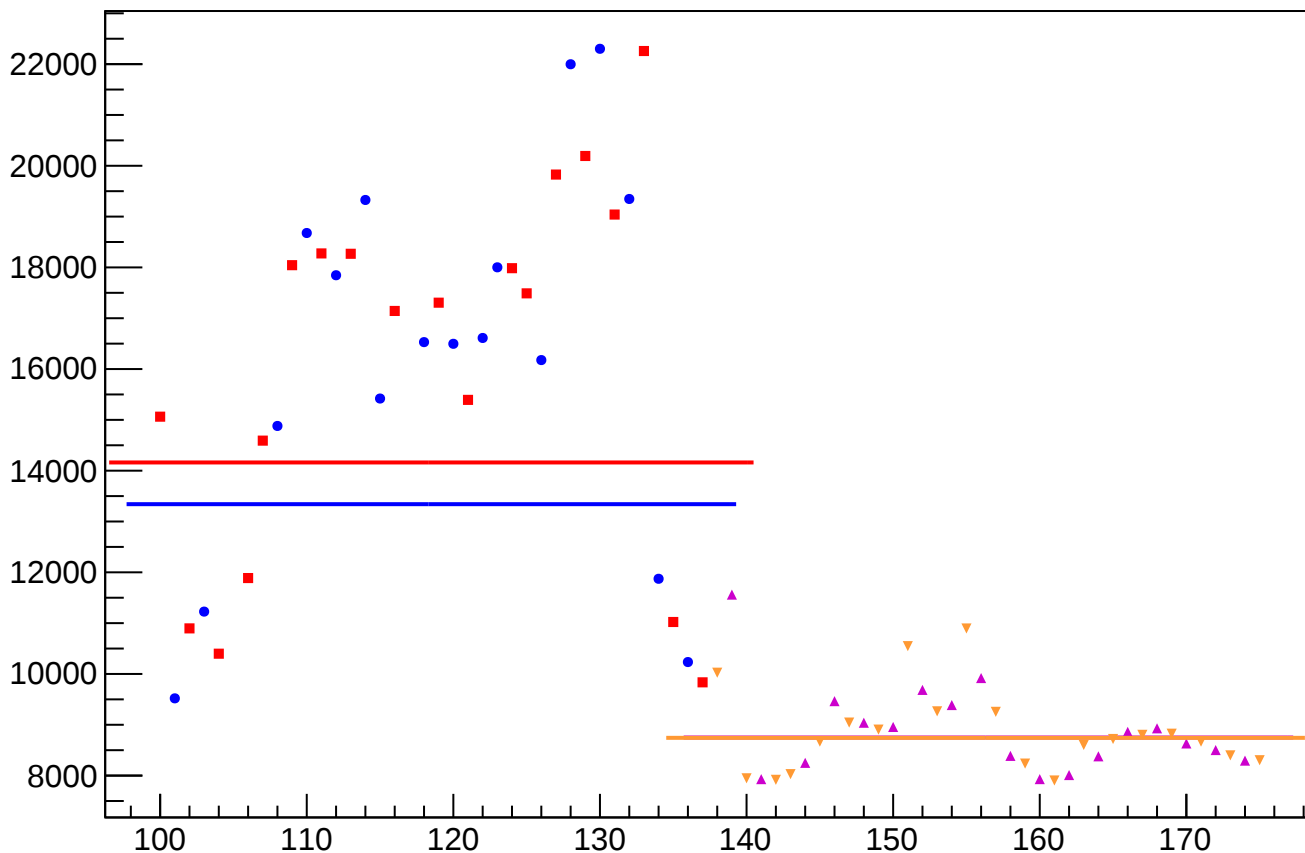
Left In: -0.779 ± 2.358 χ^2/NDF : 24.3/17

+ sign -11.026 ± 2.091 χ^2/NDF : 78.2/36

All: -6.690 ± 1.505 χ^2/NDF : 127.4/73

- sign -2.030 ± 2.168 χ^2/NDF : 40.3/36

diff_bpm1X_rms vs Slug



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

Left Out: 8742.942+/-1.604 χ^2/NDF : 211275.0/19

+ sign 9434.020+/-1.478 χ^2/NDF : 2491184.8/36

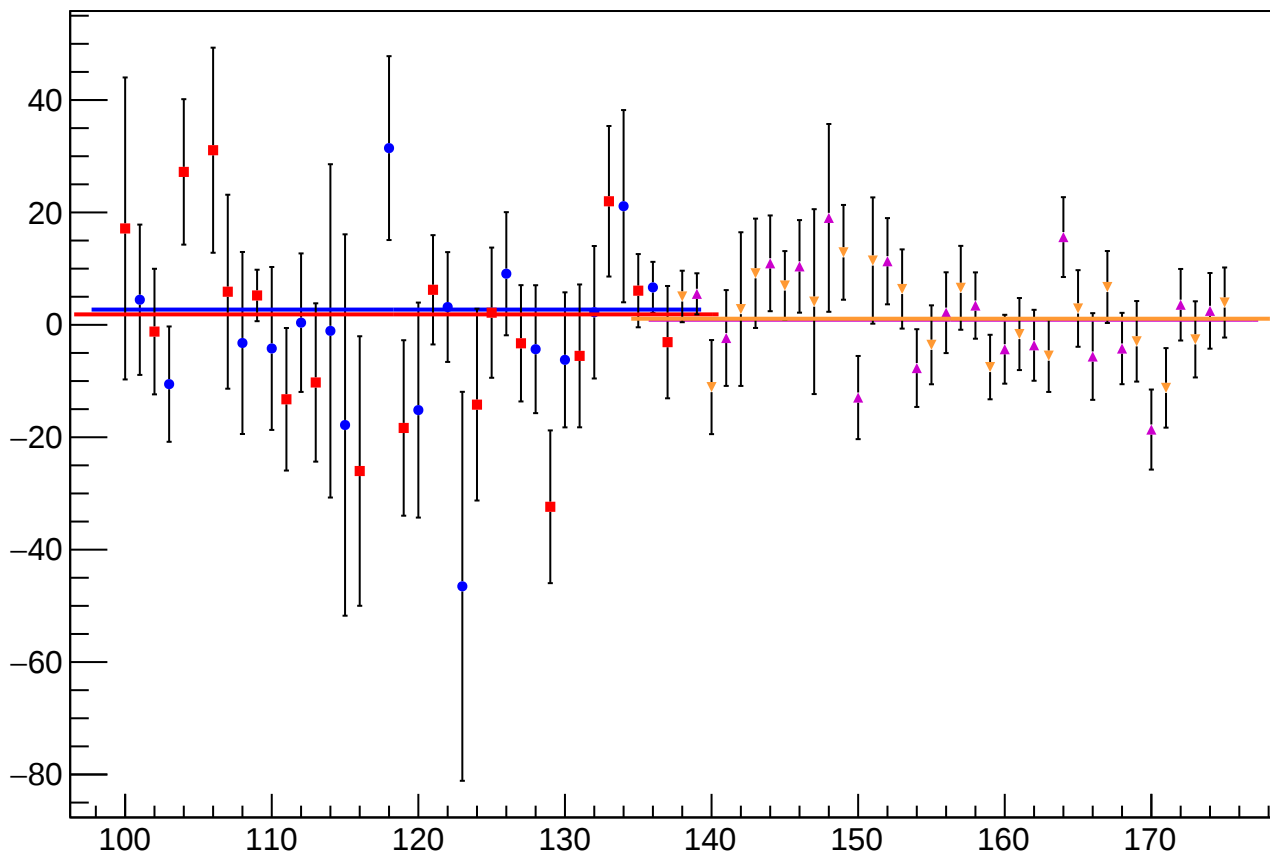
Right Out: 14161.826+/-3.895 χ^2/NDF : 931787.3/18

All: 9507.994+/-1.064 χ^2/NDF : 5263475.9/73

- sign 9587.502+/-1.533 χ^2/NDF : 2767096.4/36

Left In: 8749.434+/-1.667 χ^2/NDF : 203382.7/17

diff_bpm1Y_mean vs Slug



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

Left Out: 1.089 ± 1.581 χ^2/NDF : 17.0/19

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

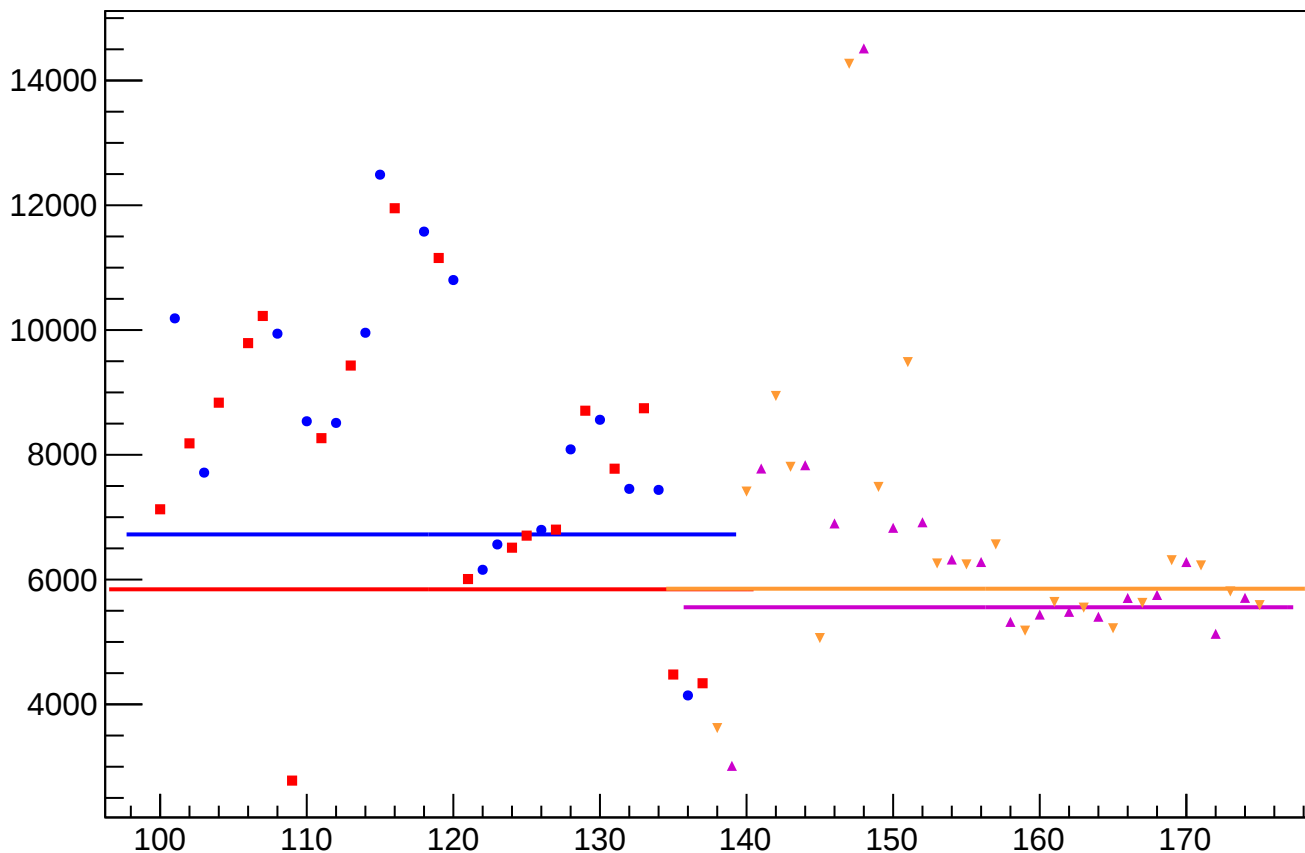
Left In: 0.910 ± 1.572 χ^2/NDF : 27.4/17

+ sign 1.493 ± 1.371 χ^2/NDF : 28.9/36

All: 1.335 ± 0.951 χ^2/NDF : 80.0/73

- sign 1.189 ± 1.321 χ^2/NDF : 51.0/36

diff_bpm1Y_rms vs Slug



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

Left Out: 5853.498+/-1.118 χ^2/NDF : 1670821.4/19

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

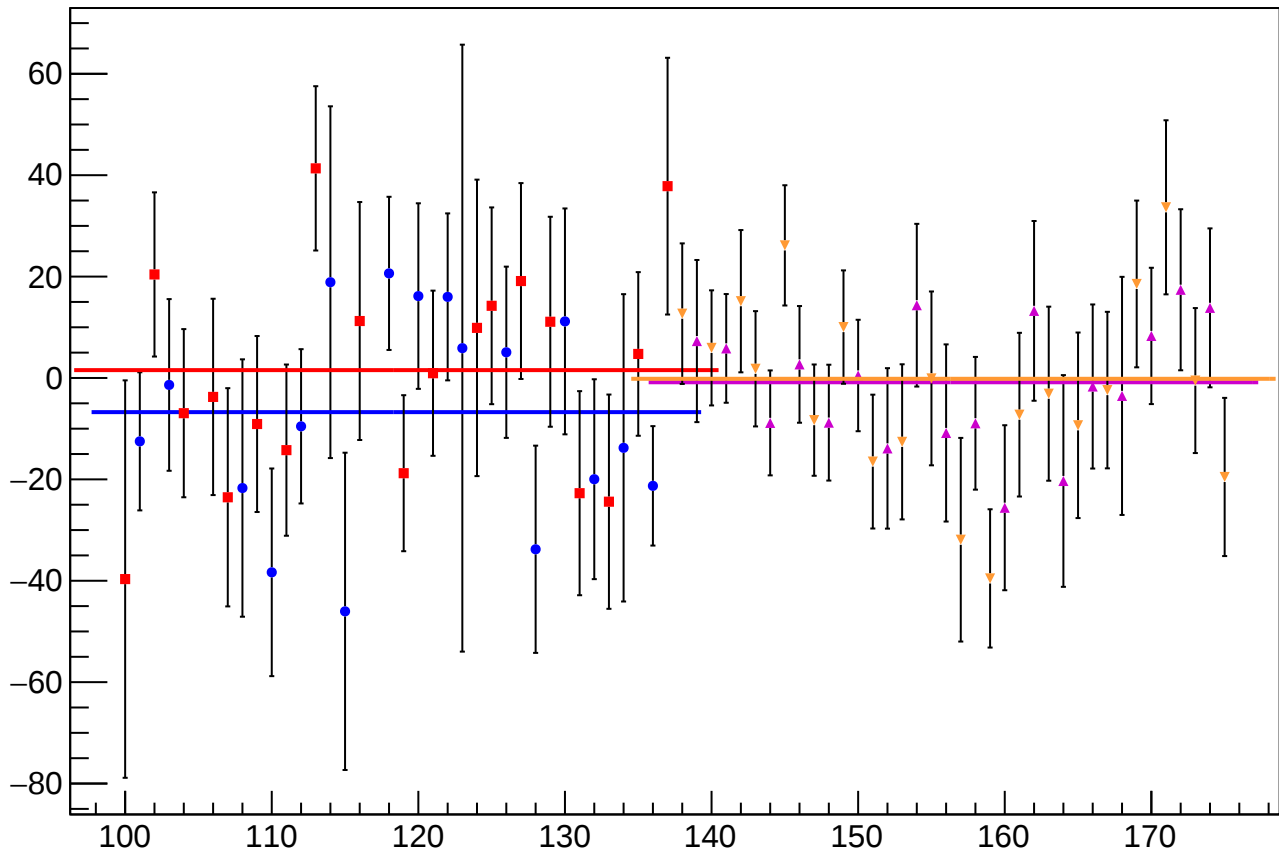
Left In: 5556.256+/-1.112 χ^2/NDF : 2080211.7/17

+ sign 6069.444+/-0.969 χ^2/NDF : 3213306.1/36

All: 5847.181+/-0.673 χ^2/NDF : 7691815.8/73

- sign 5640.668+/-0.934 χ^2/NDF : 4377079.7/36

diff_bpm11X_mean vs Slug



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

Left Out: -0.160 ± 3.147 χ^2/NDF : 28.9/19

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

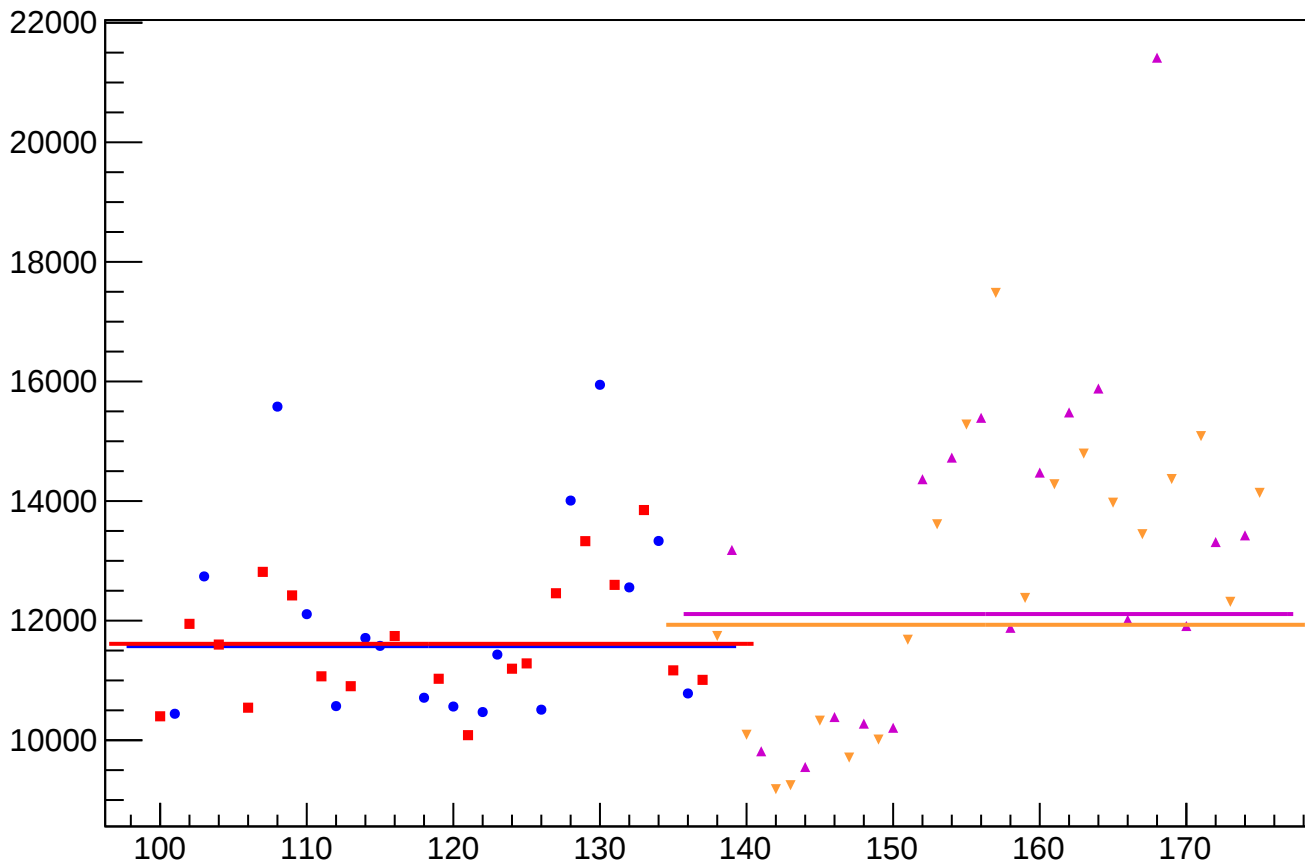
Left In: -0.846 ± 3.317 χ^2/NDF : 10.6/17

+ sign -2.312 ± 2.582 χ^2/NDF : 47.2/36

All: -1.169 ± 1.847 χ^2/NDF : 78.4/73

- sign 0.029 ± 2.643 χ^2/NDF : 30.8/36

diff_bpm11X_rms vs Slug



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

Left Out: 11930.644 ± 2.226 χ^2/NDF : 969573.1/19

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

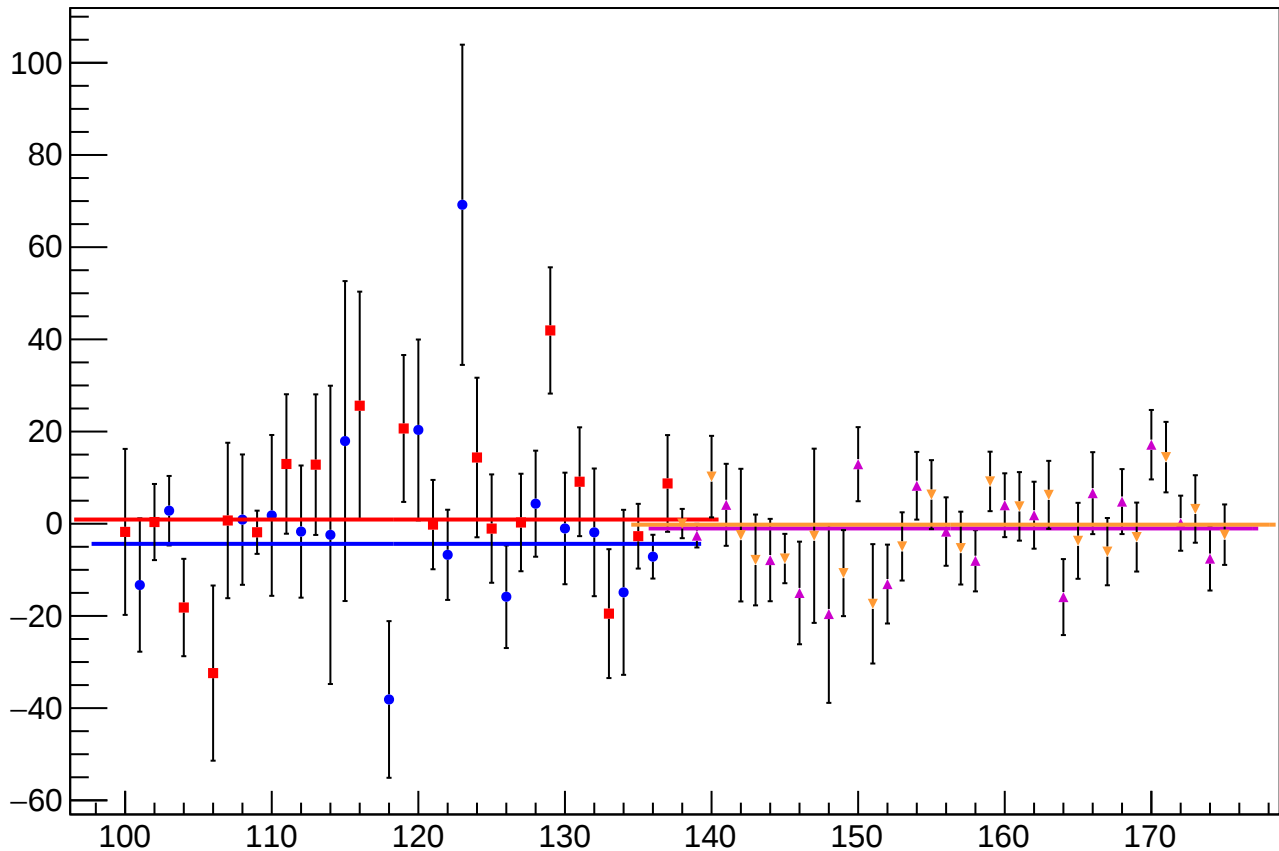
Left In: 12110.307 ± 2.346 χ^2/NDF : 1063852.8/17

+ sign 11813.773 ± 1.825 χ^2/NDF : 1216735.2/36

All: 11869.708 ± 1.306 χ^2/NDF : 2393291.0/7

- sign 11928.330 ± 1.869 χ^2/NDF : 1174632.8/36

diff_bpm11Y_mean vs Slug



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

Left Out: -0.200 ± 1.571 χ^2/NDF : 16.7/19

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

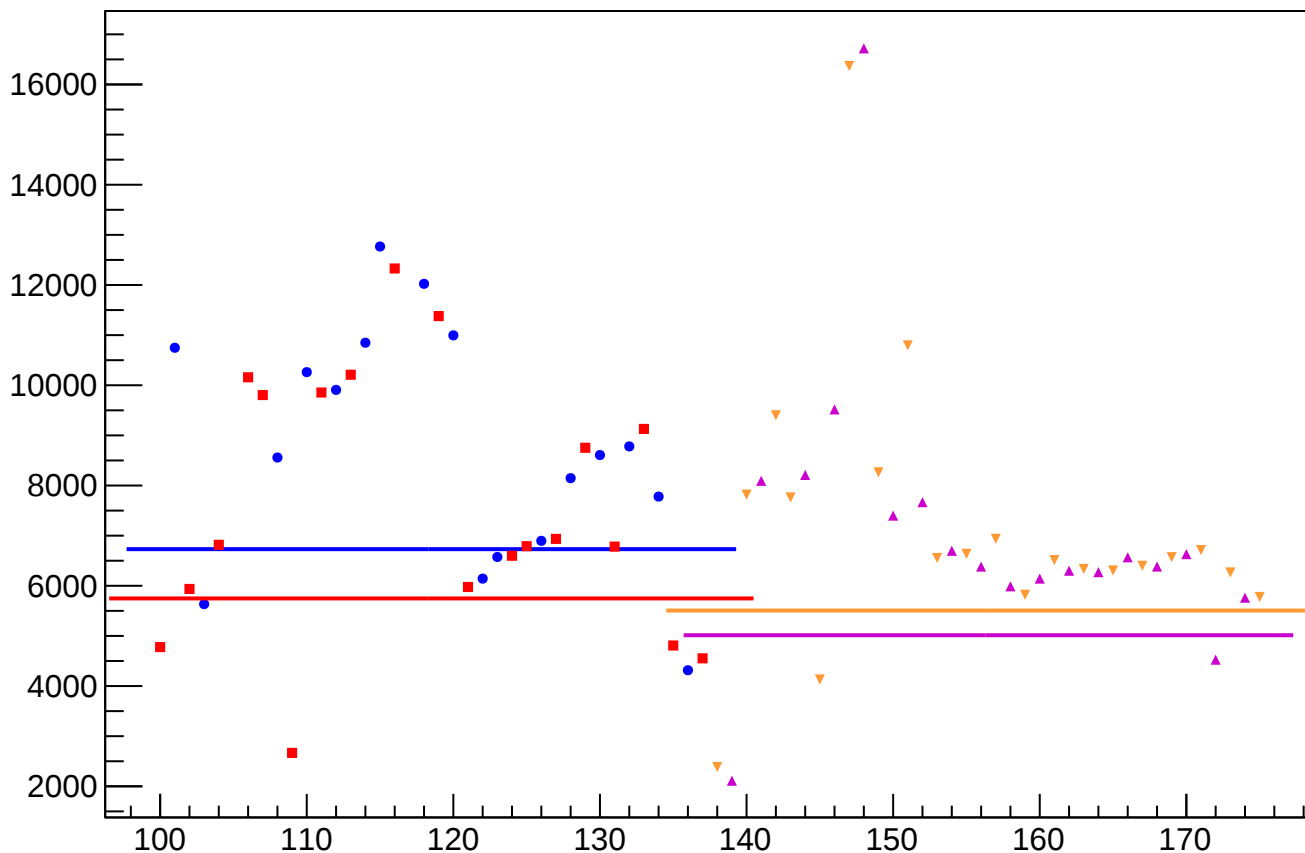
Left In: -1.022 ± 1.524 χ^2/NDF : 23.6/17

+ sign -1.209 ± 1.367 χ^2/NDF : 32.9/36

All: -0.821 ± 0.938 χ^2/NDF : 80.7/73

- sign -0.475 ± 1.290 χ^2/NDF : 47.6/36

diff_bpm11Y_rms vs Slug



Right In: 6730.725+/-1.963 χ^2/NDF : 1445240.4/16

Left Out: 5506.428+/-1.111 χ^2/NDF : 4001252.2/19

Right Out: 5747.643+/-1.716 χ^2/NDF : 2162236.7/18

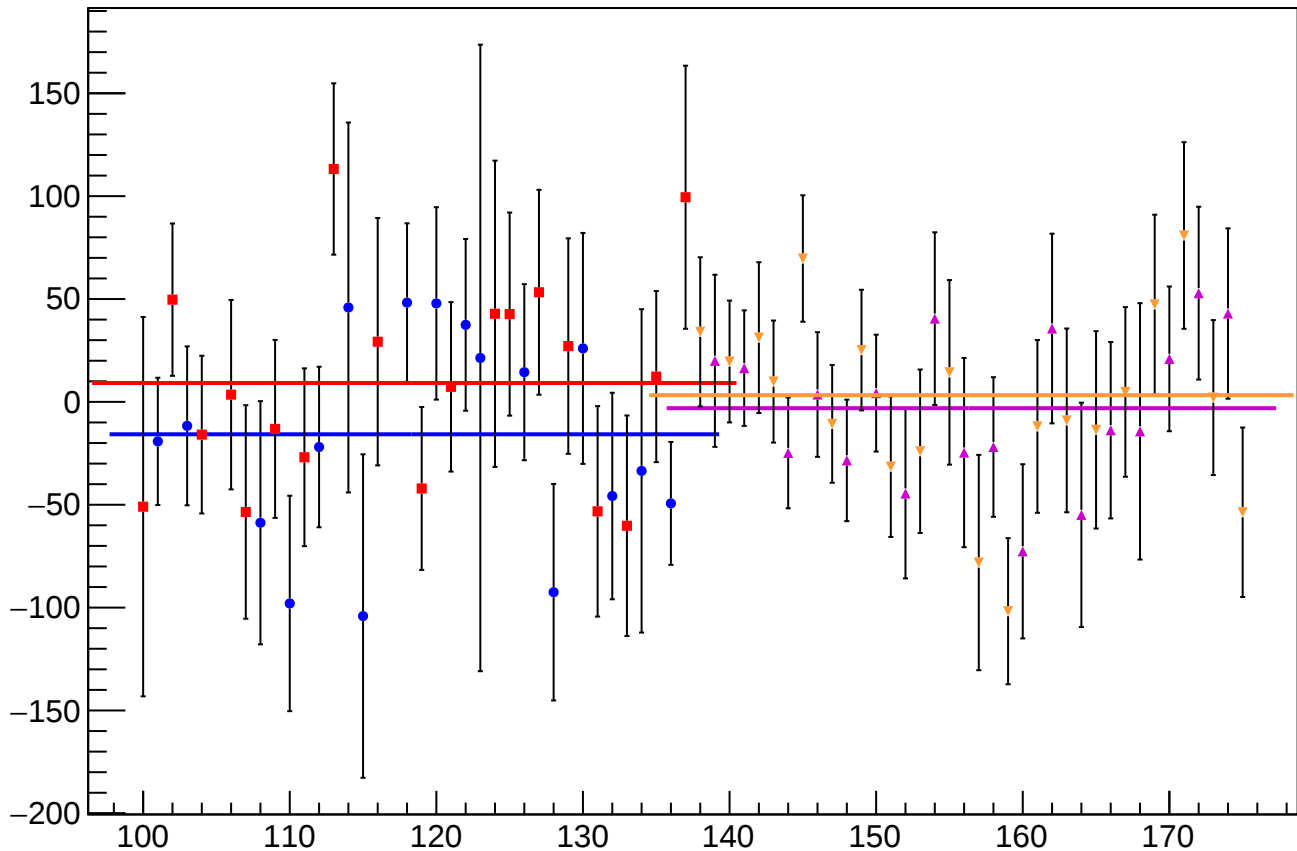
Left In: 5013.695+/-1.078 χ^2/NDF : 5142195.6/17

+ sign 5803.405+/-0.967 χ^2/NDF : 5741086.3/36

All: 5495.538+/-0.664 χ^2/NDF : 13368469.2/7

- sign 5221.337+/-0.912 χ^2/NDF : 7435688.9/36

diff_bpm12X_mean vs Slug



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

Left Out: 3.275 ± 8.229 χ^2/NDF : 26.0/19

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

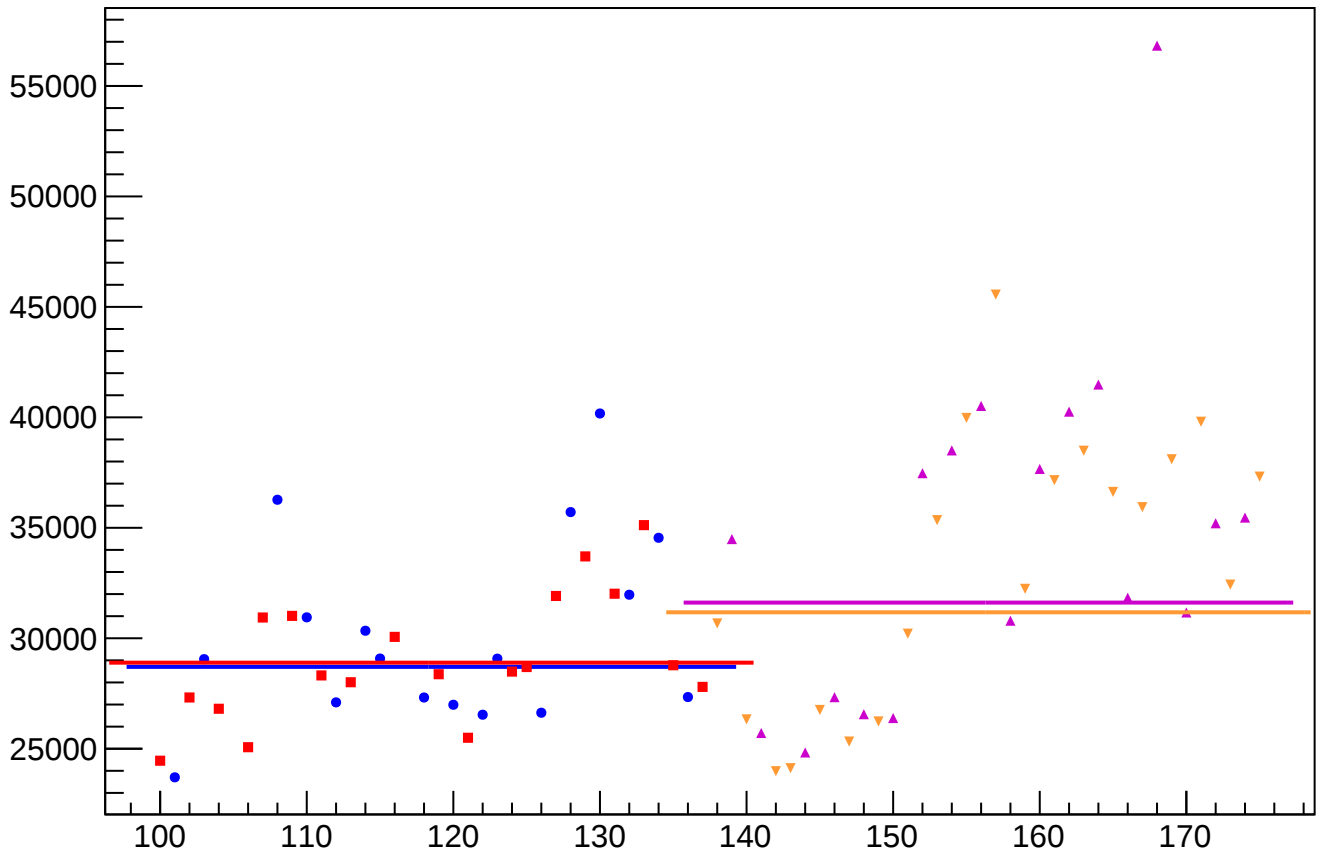
Left In: -3.066 ± 8.666 χ^2/NDF : 12.8/17

+ sign -3.390 ± 6.633 χ^2/NDF : 43.8/36

All: -0.910 ± 4.742 χ^2/NDF : 76.9/73

- sign 1.682 ± 6.781 χ^2/NDF : 32.8/36

diff_bpm12X_rms vs Slug



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

Left Out: 31175.454 $\pm$ 5.819 χ^2 /NDF:995403.2/19

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

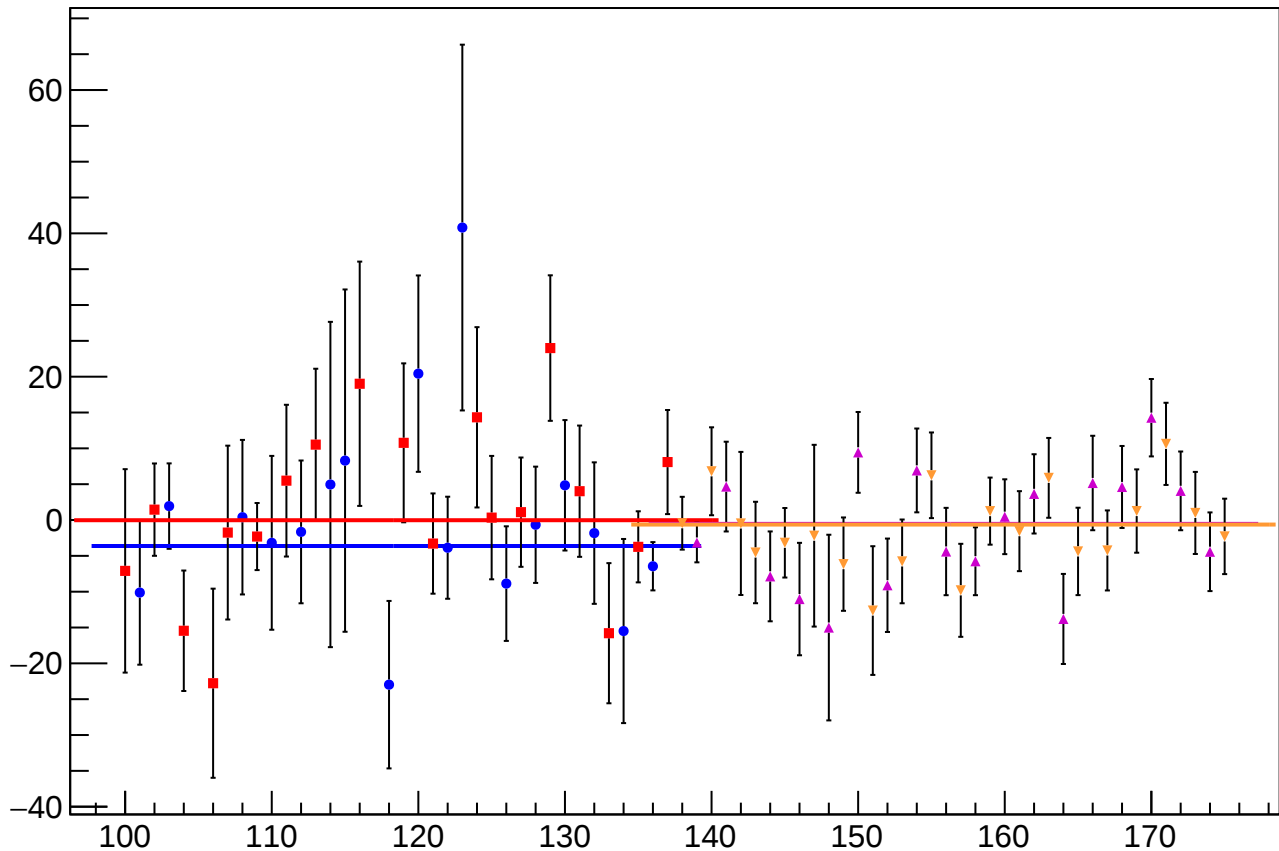
Left In: 31614.998 $\pm$ 6.128 χ^2 /NDF:1097514.6/17

+ sign 30310.294 $\pm$ 4.690 χ^2 /NDF: 1309504.8/36

All: 30432.637 $\pm$ 3.353 χ^2 /NDF: 2595993.9/7

- sign 30560.487 $\pm$ 4.795 χ^2 /NDF: 1285097.8/36

diff_bpm12Y_mean vs Slug



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

Left Out: -0.633 ± 1.300 χ^2/NDF : 15.2/19

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

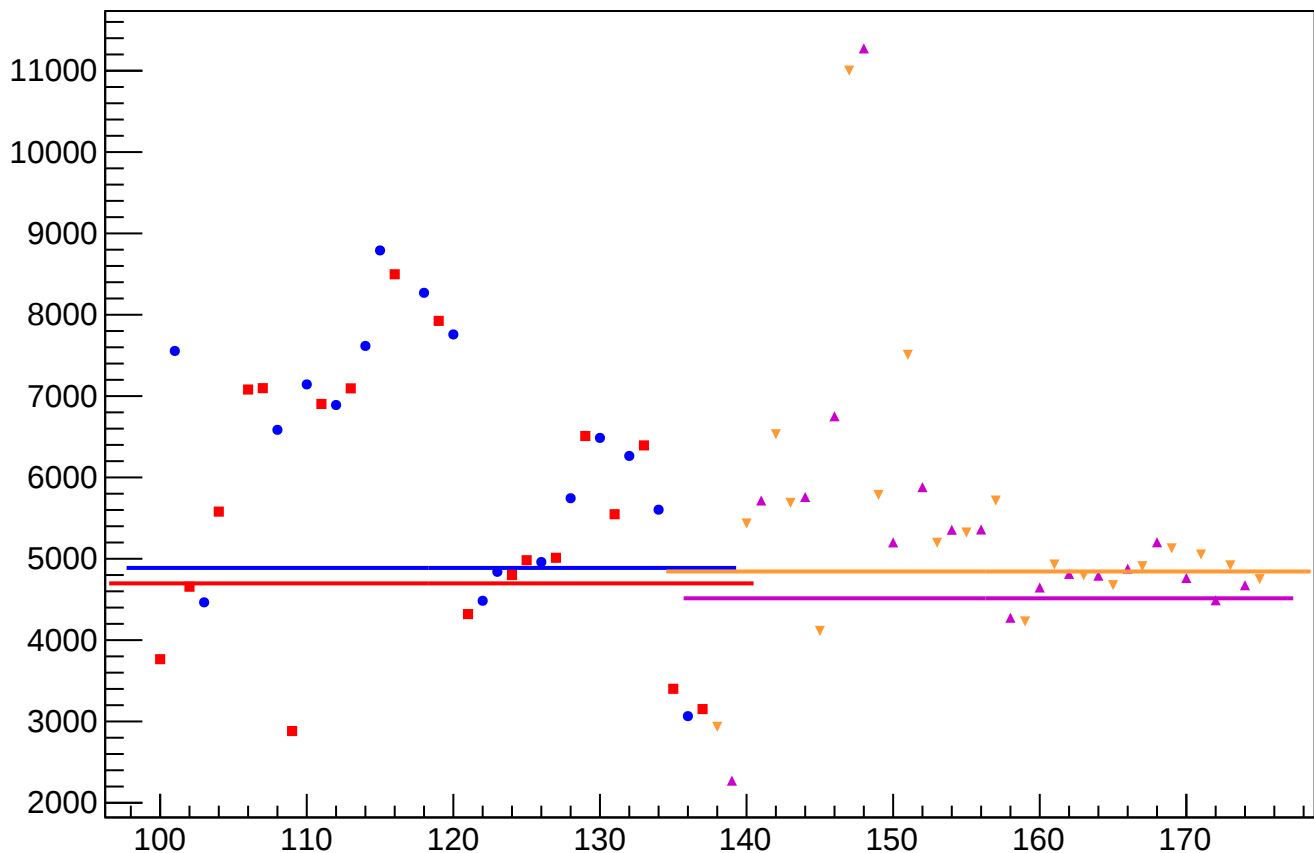
Left In: -0.538 ± 1.281 χ^2/NDF : 29.4/17

+ sign -1.518 ± 1.091 χ^2/NDF : 30.5/36

All: -0.932 ± 0.761 χ^2/NDF : 82.6/73

- sign -0.377 ± 1.061 χ^2/NDF : 51.6/36

diff_bpm12Y_rms vs Slug



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

Left Out: 4843.834 $\pm$ 0.919 χ^2 /NDF: 1477487.0/19

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

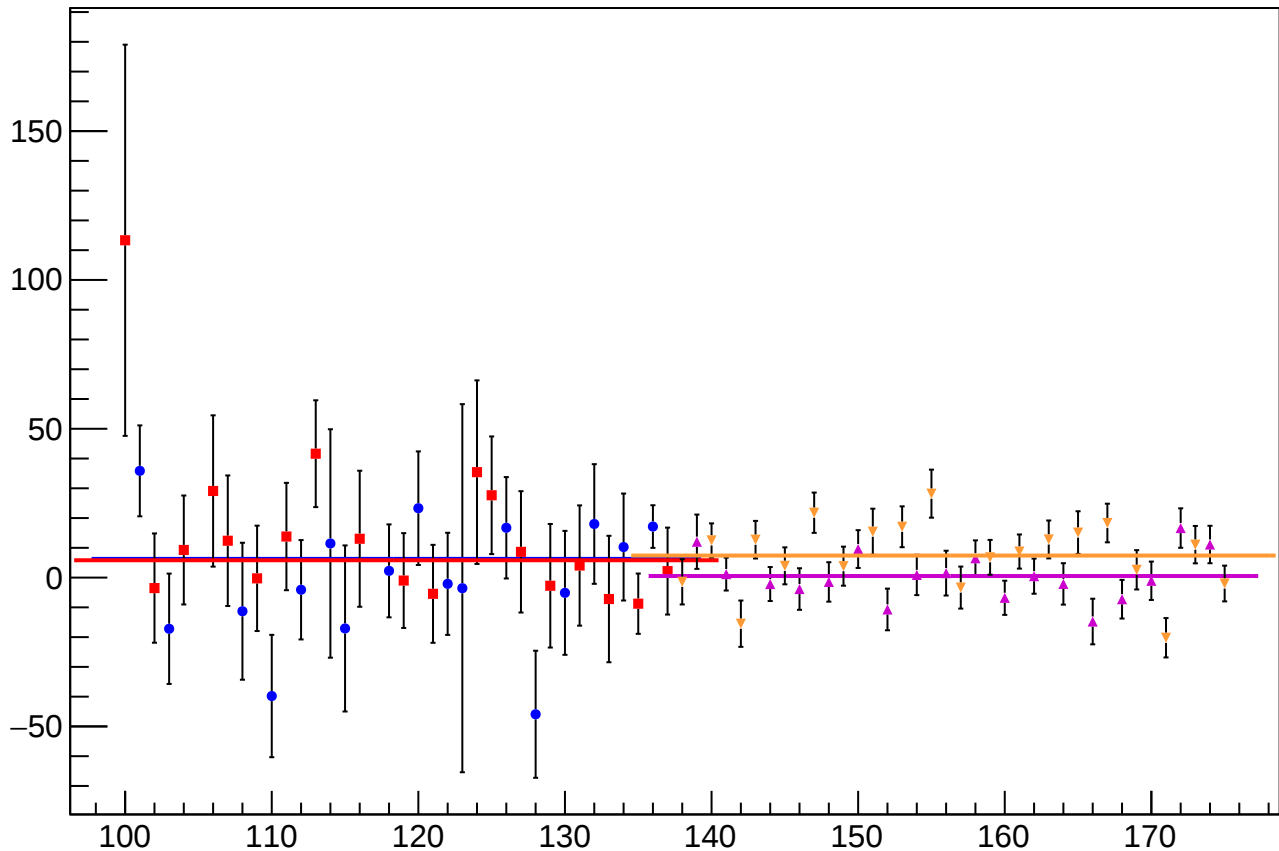
Left In: 4513.974 $\pm$ 0.906 χ^2 /NDF: 2433460.2/17

+ sign 4856.756 $\pm$ 0.772 χ^2 /NDF: 2887451.5/36

All: 4710.267 $\pm$ 0.538 χ^2 /NDF: 6717104.1/73

- sign 4571.843 $\pm$ 0.750 χ^2 /NDF: 3759532.9/36

diff_bpm16X_mean vs Slug



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

Left Out: 7.406 ± 1.474 χ^2/NDF : 54.2/19

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

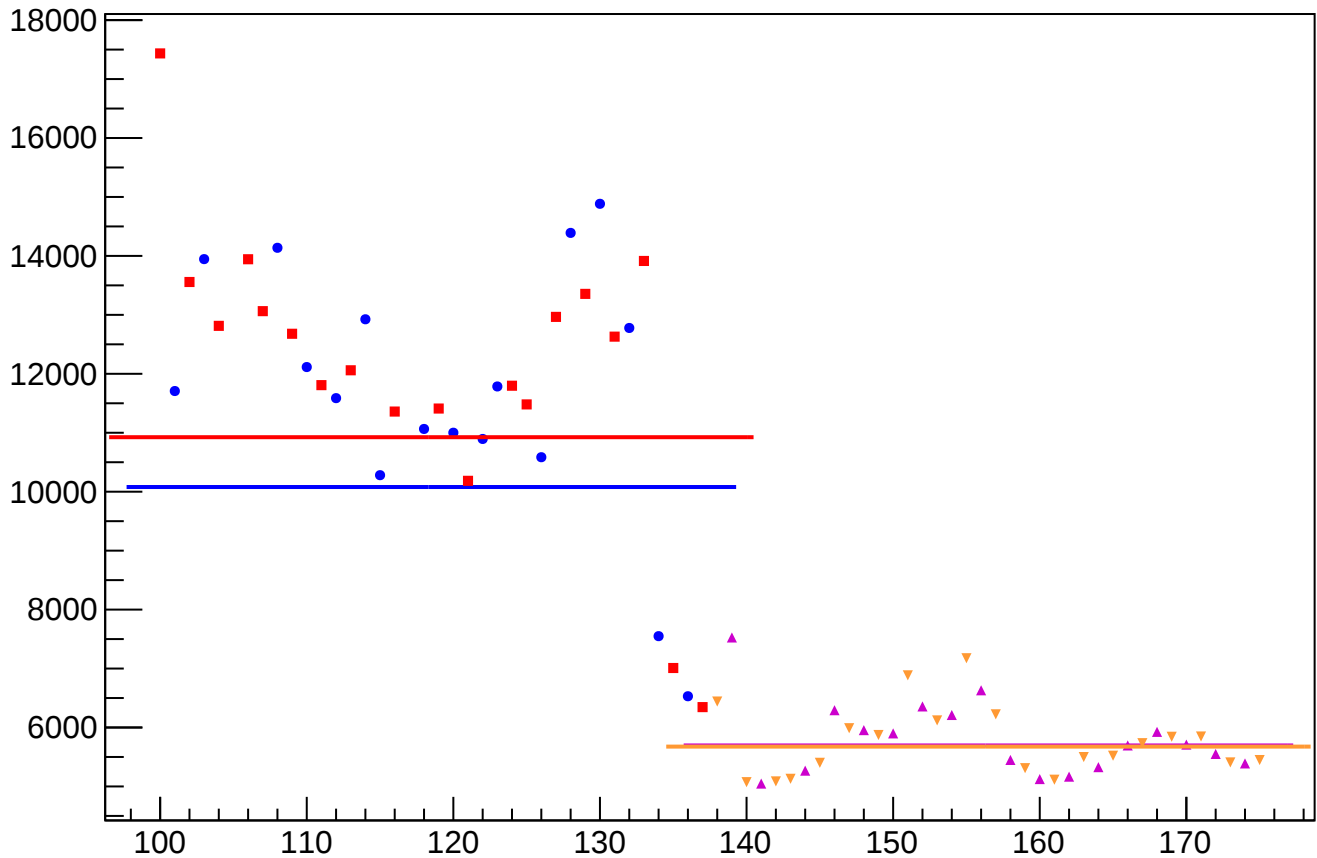
Left In: 0.531 ± 1.536 χ^2/NDF : 23.9/17

+ sign 7.275 ± 1.386 χ^2/NDF : 76.8/36

All: 4.338 ± 1.000 χ^2/NDF : 125.3/73

- sign 1.151 ± 1.443 χ^2/NDF : 39.1/36

diff_bpm16X_rms vs Slug



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

Left Out: 5675.910 $\pm$ 1.042 χ^2 /NDF: 255942.2/19

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

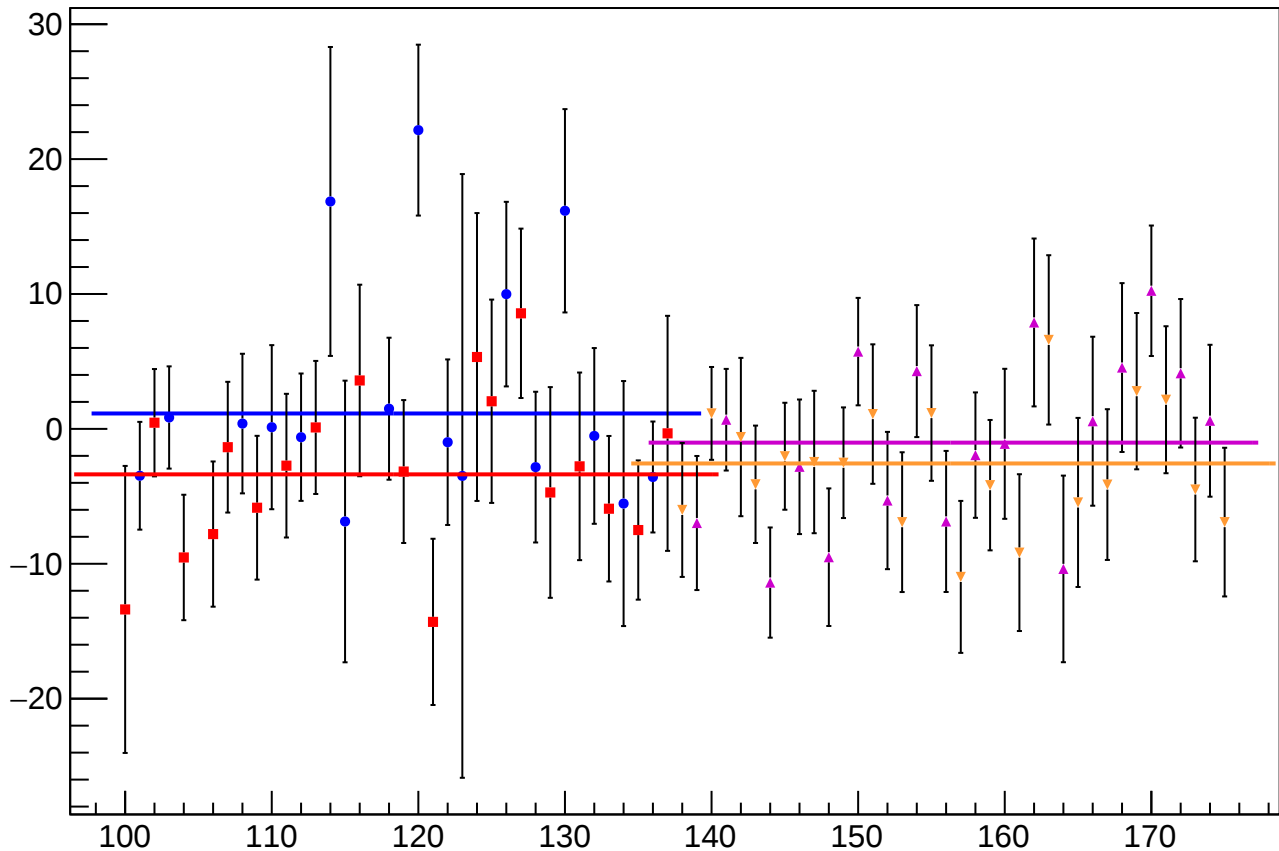
Left In: 5695.714 $\pm$ 1.086 χ^2 /NDF: 252466.8/17

+ sign 6187.782 $\pm$ 0.980 χ^2 /NDF: 3325700.5/36

All: 6245.317 $\pm$ 0.707 χ^2 /NDF: 7066100.8/73

- sign 6307.757 $\pm$ 1.021 χ^2 /NDF: 3733209.7/36

diff_bpm16Y_mean vs Slug



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

Left Out: -2.563 ± 1.119 χ^2/NDF : 12.1/19

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

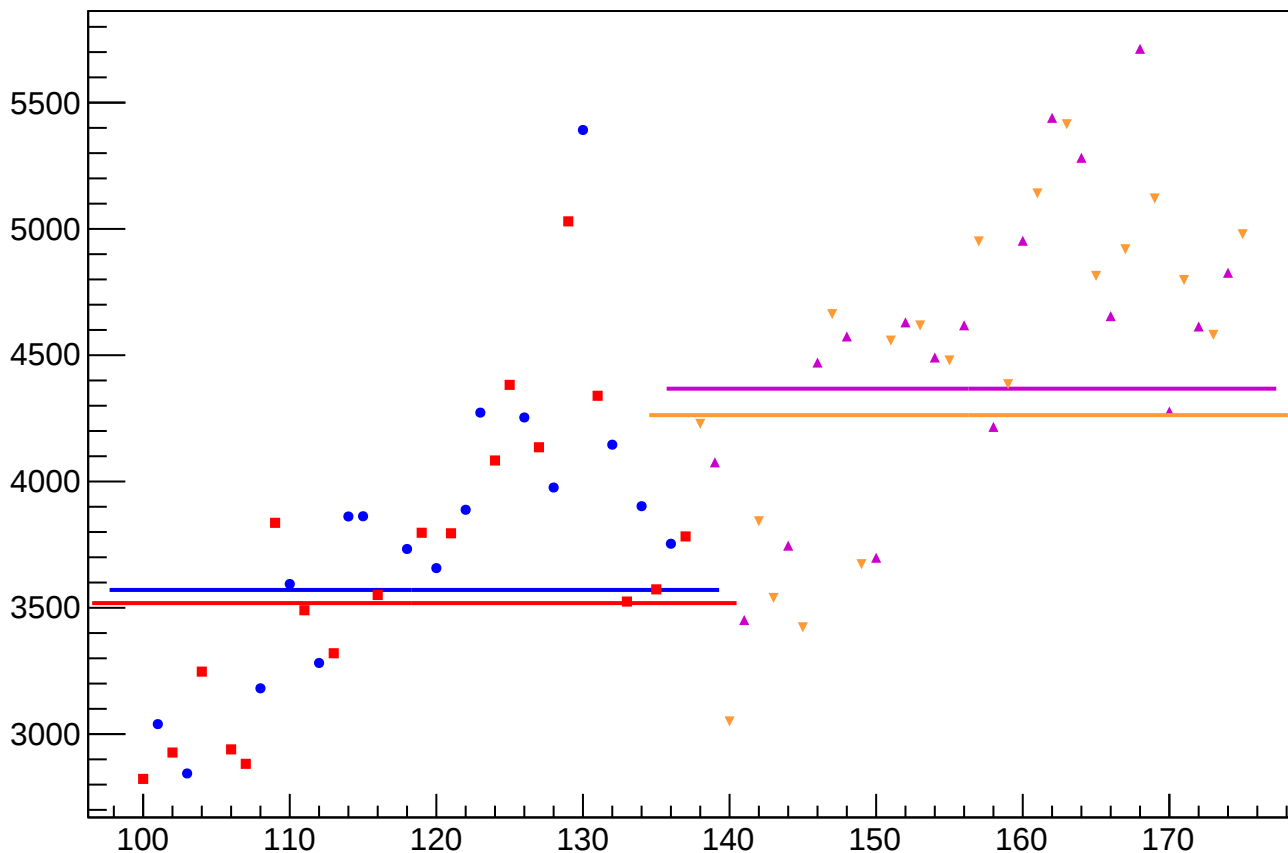
Left In: -1.020 ± 1.184 χ^2/NDF : 28.1/17

+ sign -1.113 ± 0.873 χ^2/NDF : 39.6/36

All: -1.578 ± 0.622 χ^2/NDF : 85.1/73

- sign -2.057 ± 0.885 χ^2/NDF : 45.0/36

diff_bpm16Y_rms vs Slug



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

Left Out: 4262.734+/-0.791 χ^2/NDF : 767410.7/19

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

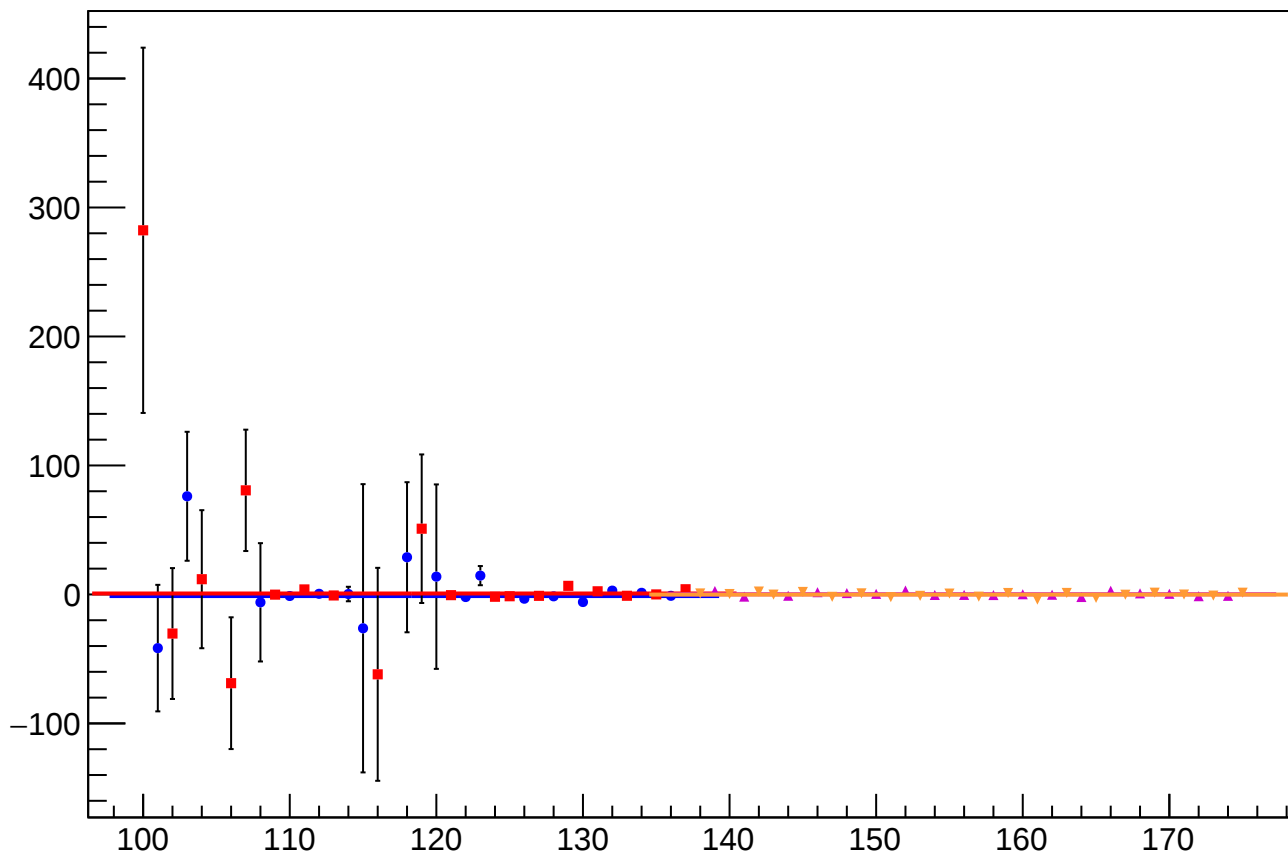
Left In: 4367.483+/-0.837 χ^2/NDF : 476483.4/17

+ sign 3991.828+/-0.617 χ^2/NDF : 1376401.2/36

All: 3992.468+/-0.440 χ^2/NDF : 2599377.8/73

- sign 3993.126+/-0.626 χ^2/NDF : 1222974.4/36

diff_bpm1p02bX_mean vs Slug



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

Left Out: -0.110 ± 0.273 χ^2/NDF : 33.7/19

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

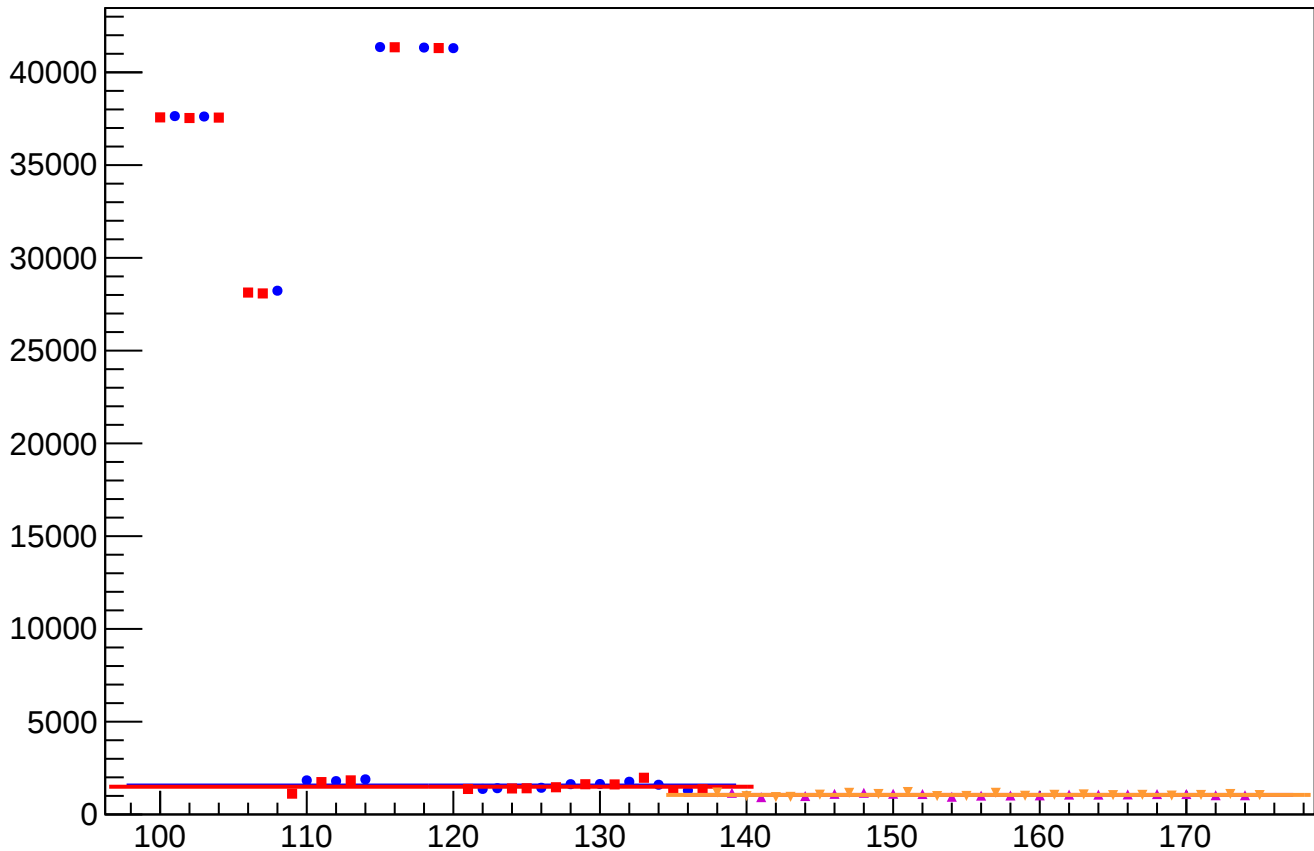
Left In: 0.129 ± 0.283 χ^2/NDF : 24.9/17

+ sign -0.245 ± 0.256 χ^2/NDF : 52.1/36

All: -0.023 ± 0.184 χ^2/NDF : 101.2/73

- sign 0.212 ± 0.263 χ^2/NDF : 47.6/36

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1053.684+/-0.193 χ^2/NDF : 134722.3/19

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

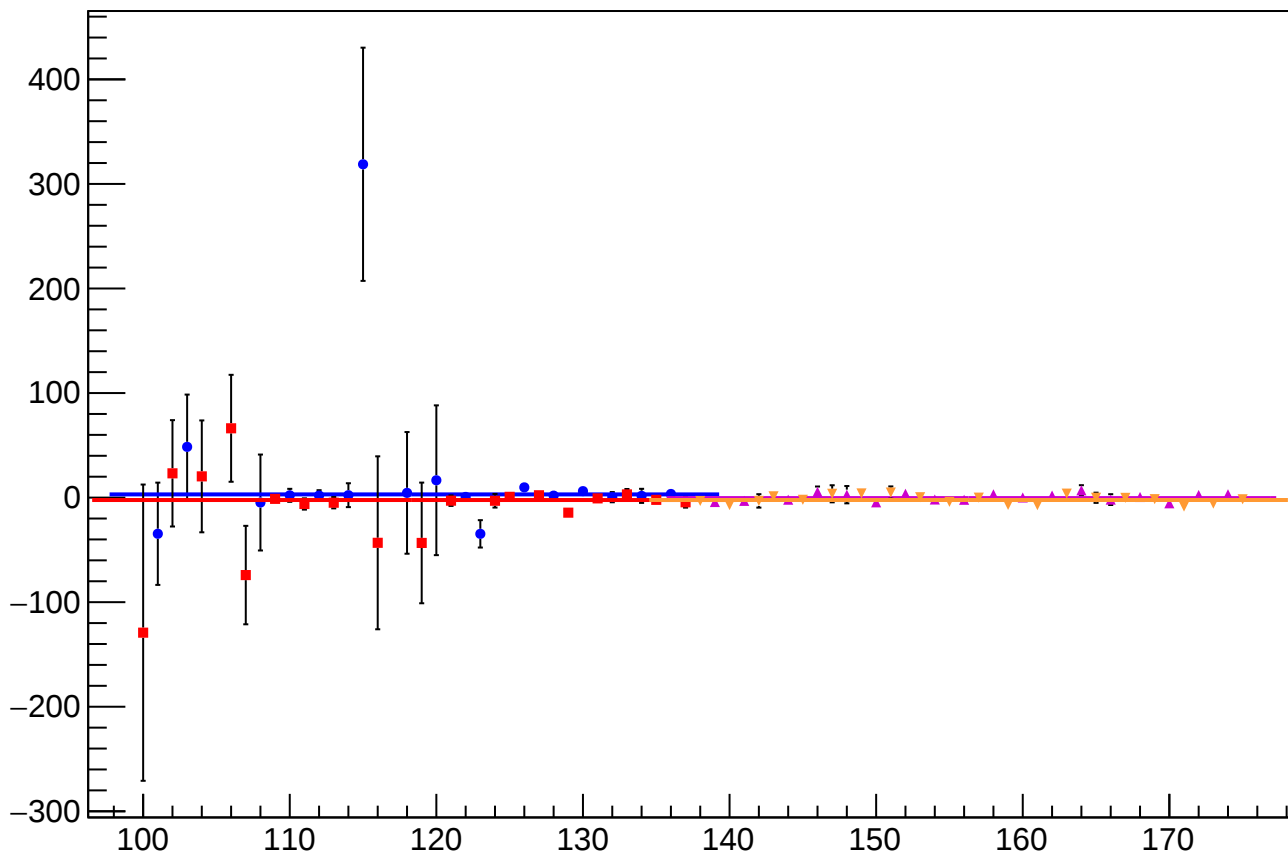
Left In: 1052.657+/-0.200 χ^2/NDF : 105671.0/17

+ sign 1113.000+/-0.181 χ^2/NDF : 5694264.3/36

All: 1113.133+/-0.130 χ^2/NDF : 11360985.3/71

- sign 1113.272+/-0.186 χ^2/NDF : 5666719.9/36

diff_bpm1p02bY_mean vs Slug



Right In: 3.075 $\pm$ 1.323 χ^2 /NDF: 21.9/16

Left Out: -2.288 $\pm$ 0.894 χ^2 /NDF: 15.7/19

Right Out: -2.306 $\pm$ 1.235 χ^2 /NDF: 16.9/18

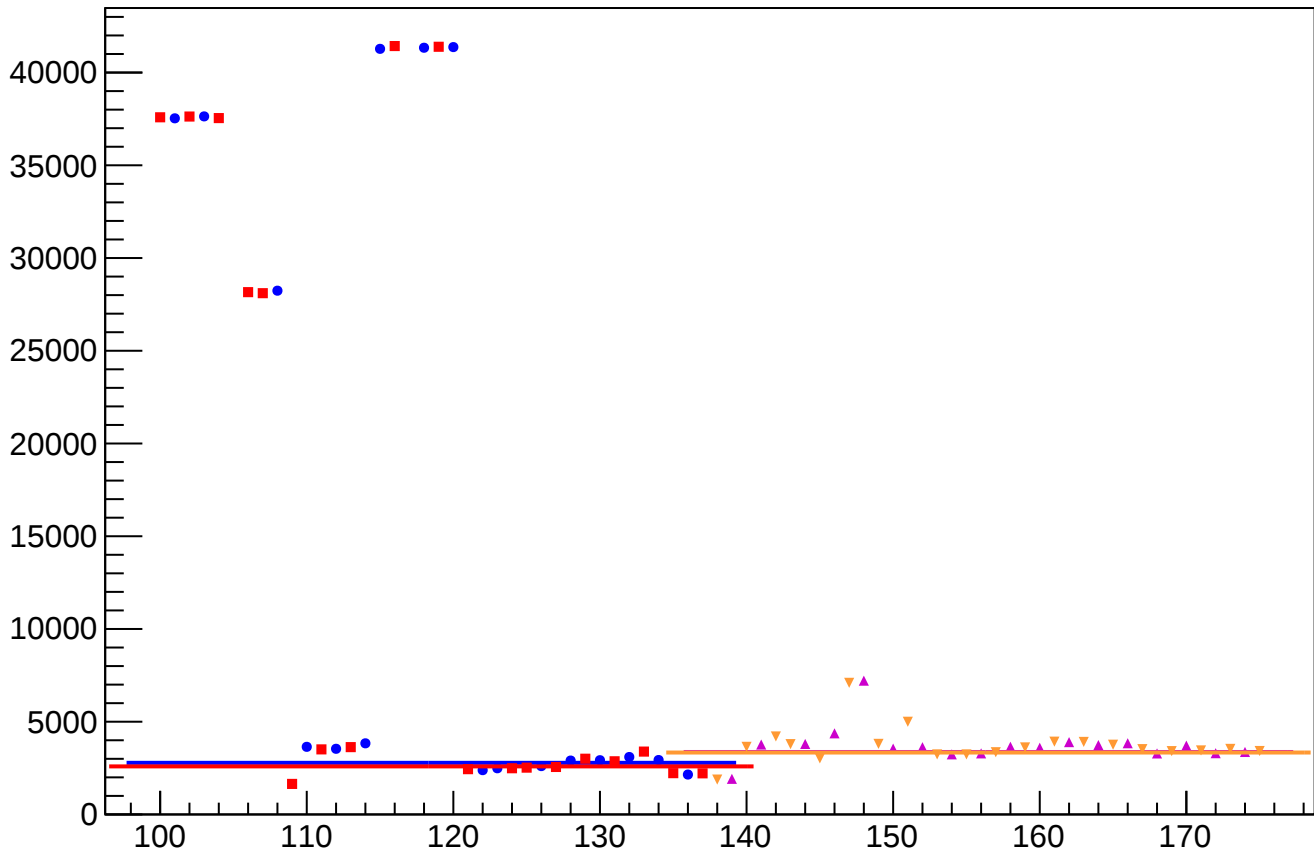
Left In: -0.460 $\pm$ 0.935 χ^2 /NDF: 13.6/17

+ sign -0.608 $\pm$ 0.741 χ^2 /NDF: 48.8/36

All: -0.869 $\pm$ 0.525 χ^2 /NDF: 81.0/73

- sign -1.132 $\pm$ 0.745 χ^2 /NDF: 31.9/36

diff_bpm1p02bY_rms vs Slug



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

Left Out: 3339.029+/-0.632 χ^2/NDF : 1626427.2/19

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

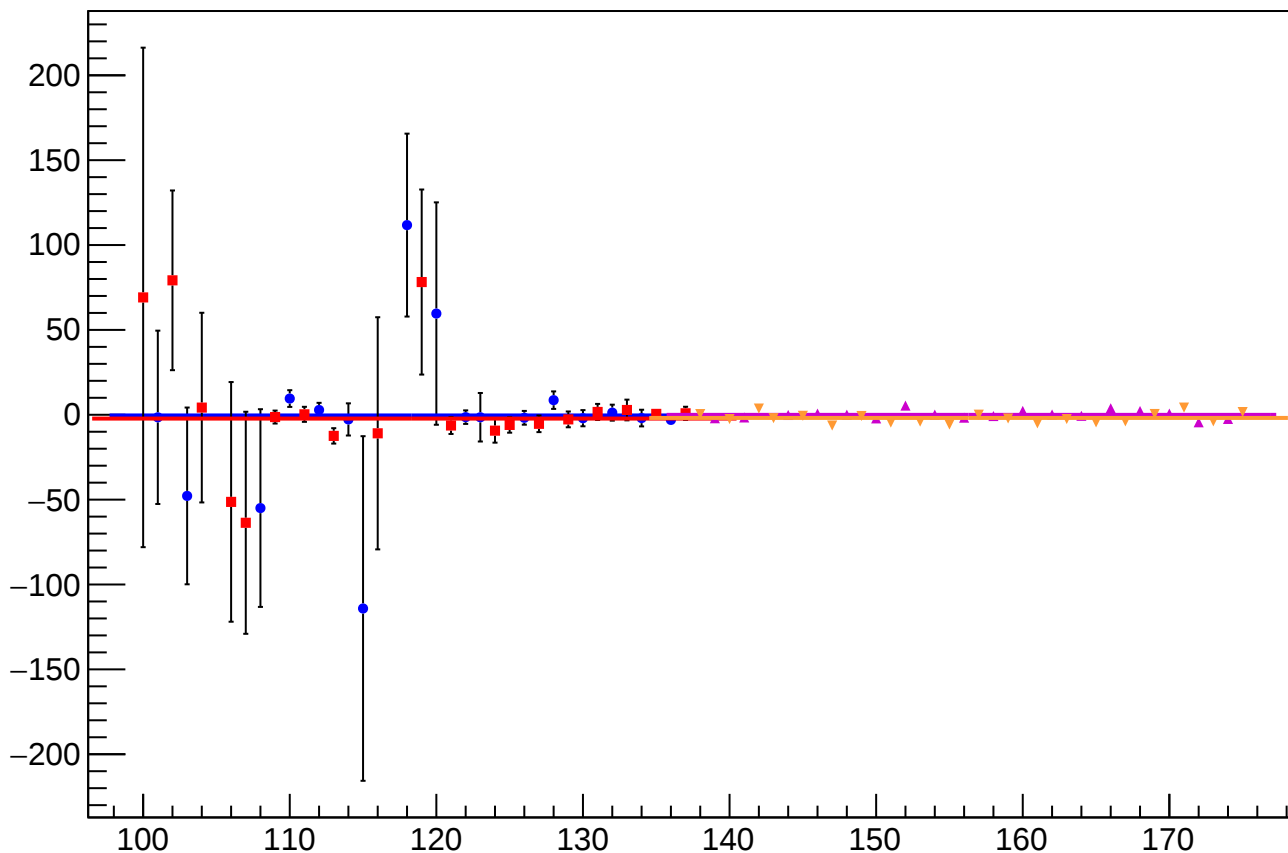
Left In: 3367.943+/-0.661 χ^2/NDF : 1403558.1/17

+ sign 3165.141+/-0.524 χ^2/NDF : 6445502.1/36

All: 3125.258+/-0.371 χ^2/NDF : 13210729.3/7

- sign 3084.879+/-0.527 χ^2/NDF : 6753556.3/36

diff_bpm1p03aX_mean vs Slug



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

Left Out: -1.862 ± 0.431 χ^2/NDF : 42.4/19

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

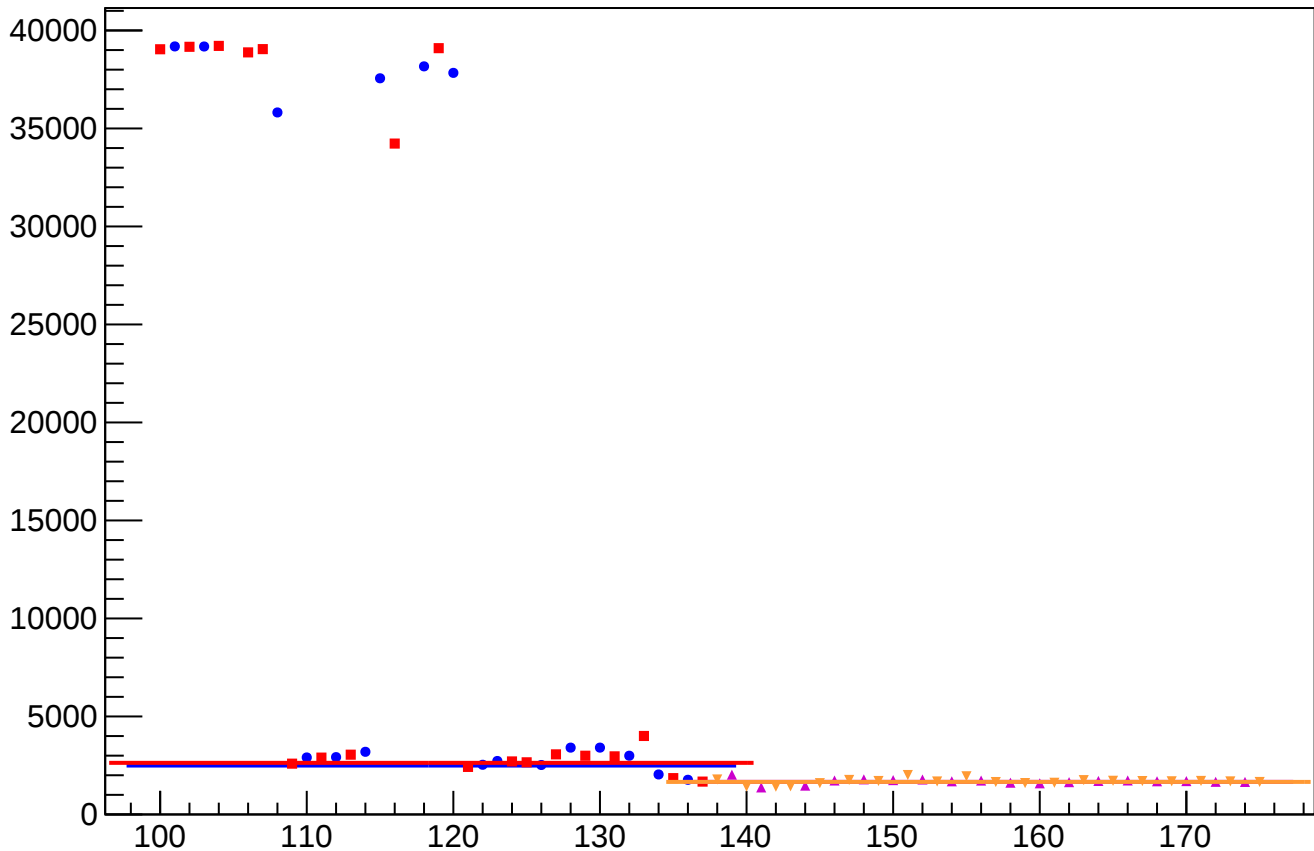
Left In: -0.055 ± 0.448 χ^2/NDF : 24.2/17

+ sign -1.700 ± 0.406 χ^2/NDF : 62.0/36

All: -1.029 ± 0.292 χ^2/NDF : 112.1/73

- sign -0.305 ± 0.421 χ^2/NDF : 44.4/36

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1660.817 $\pm$ 0.305 χ^2 /NDF: 214837.5/19

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

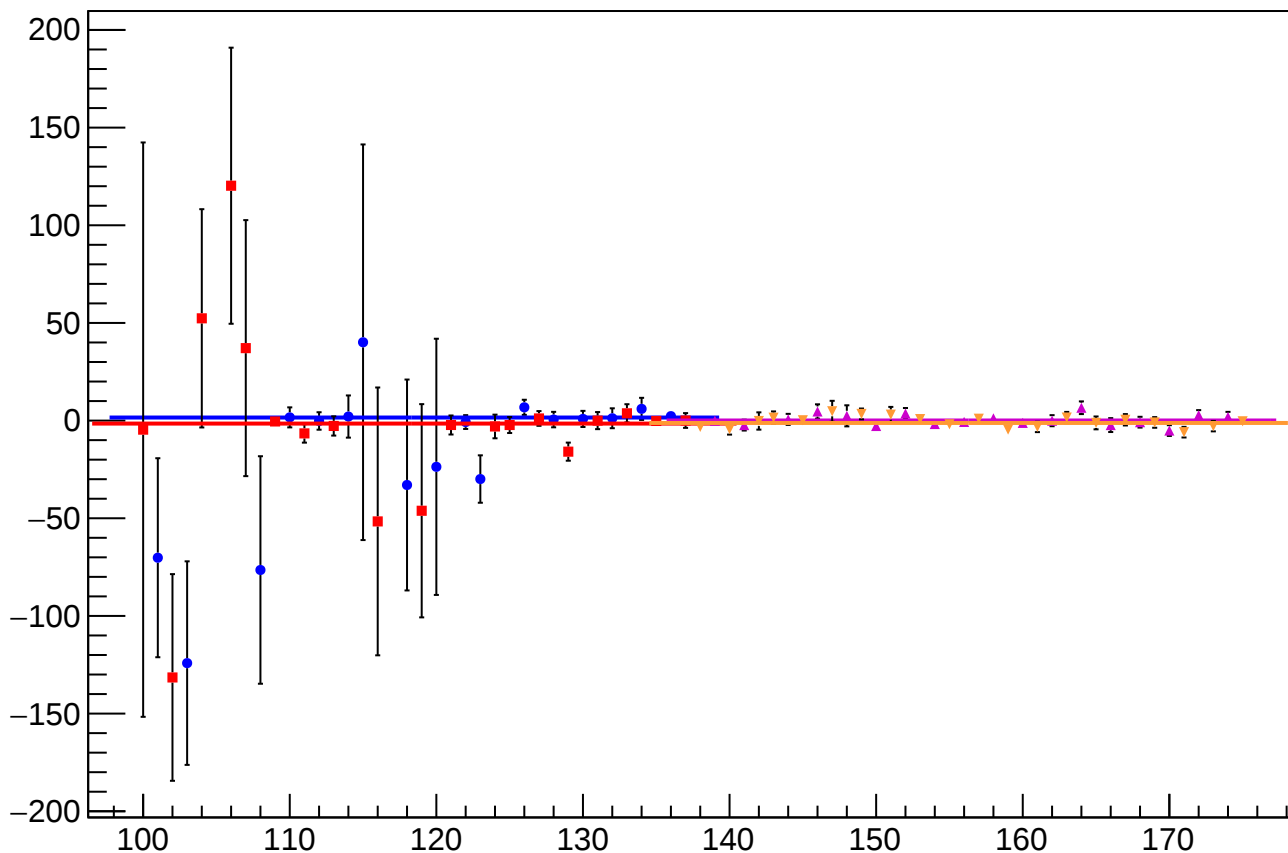
Left In: 1662.449 $\pm$ 0.317 χ^2 /NDF: 178199.4/17

+ sign 1753.614 $\pm$ 0.287 χ^2 /NDF: 5932446.4/36

All: 1763.202 $\pm$ 0.207 χ^2 /NDF: 12048774.2/7

- sign 1773.531 $\pm$ 0.298 χ^2 /NDF: 6114011.2/36

diff_bpm1p03aY_mean vs Slug



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

Left Out: -1.206 ± 0.591 χ^2/NDF : 18.5/19

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

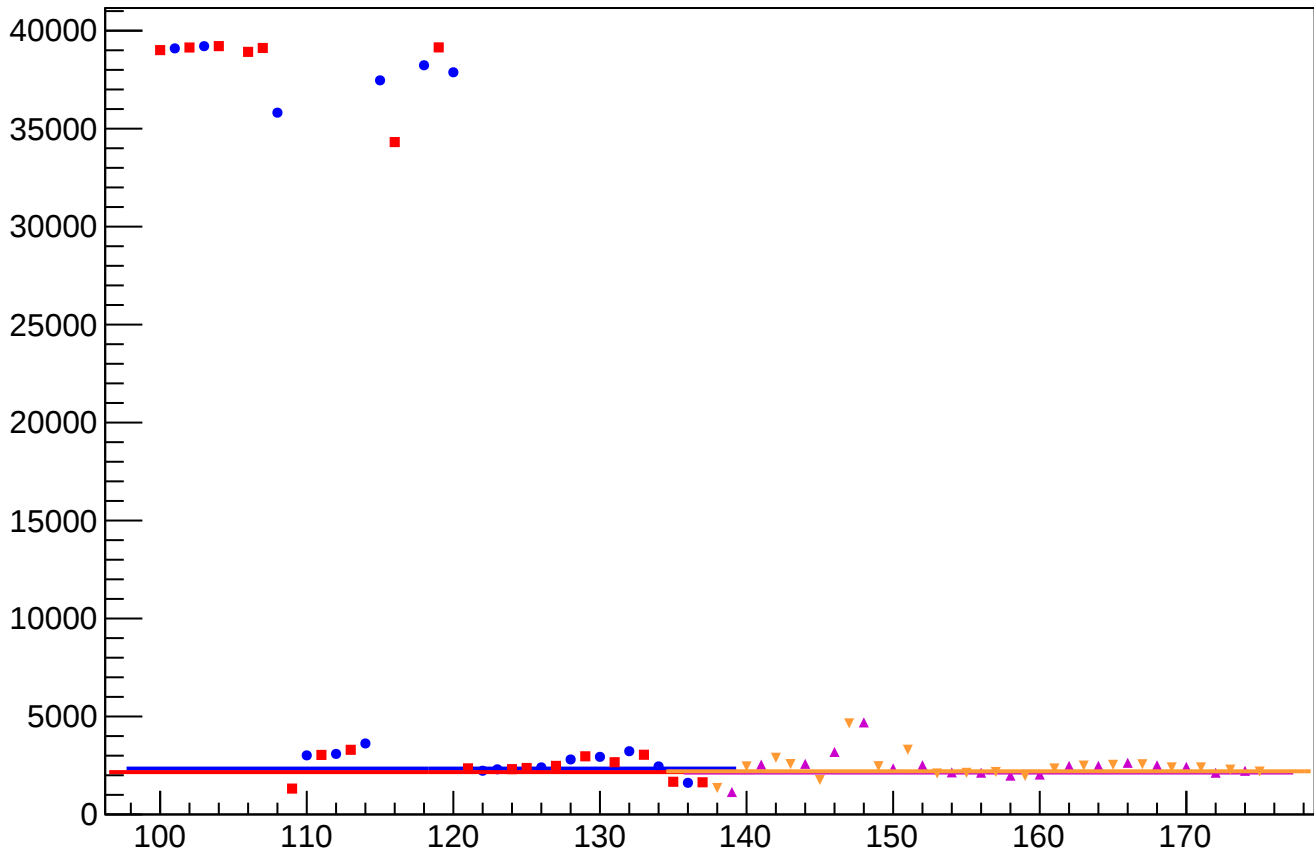
Left In: 0.057 ± 0.601 χ^2/NDF : 16.2/17

+ sign -0.618 ± 0.525 χ^2/NDF : 43.5/36

All: -0.472 ± 0.371 χ^2/NDF : 86.6/73

- sign -0.326 ± 0.523 χ^2/NDF : 43.0/36

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2203.299+/-0.418 χ^2/NDF : 1404666.7/19

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

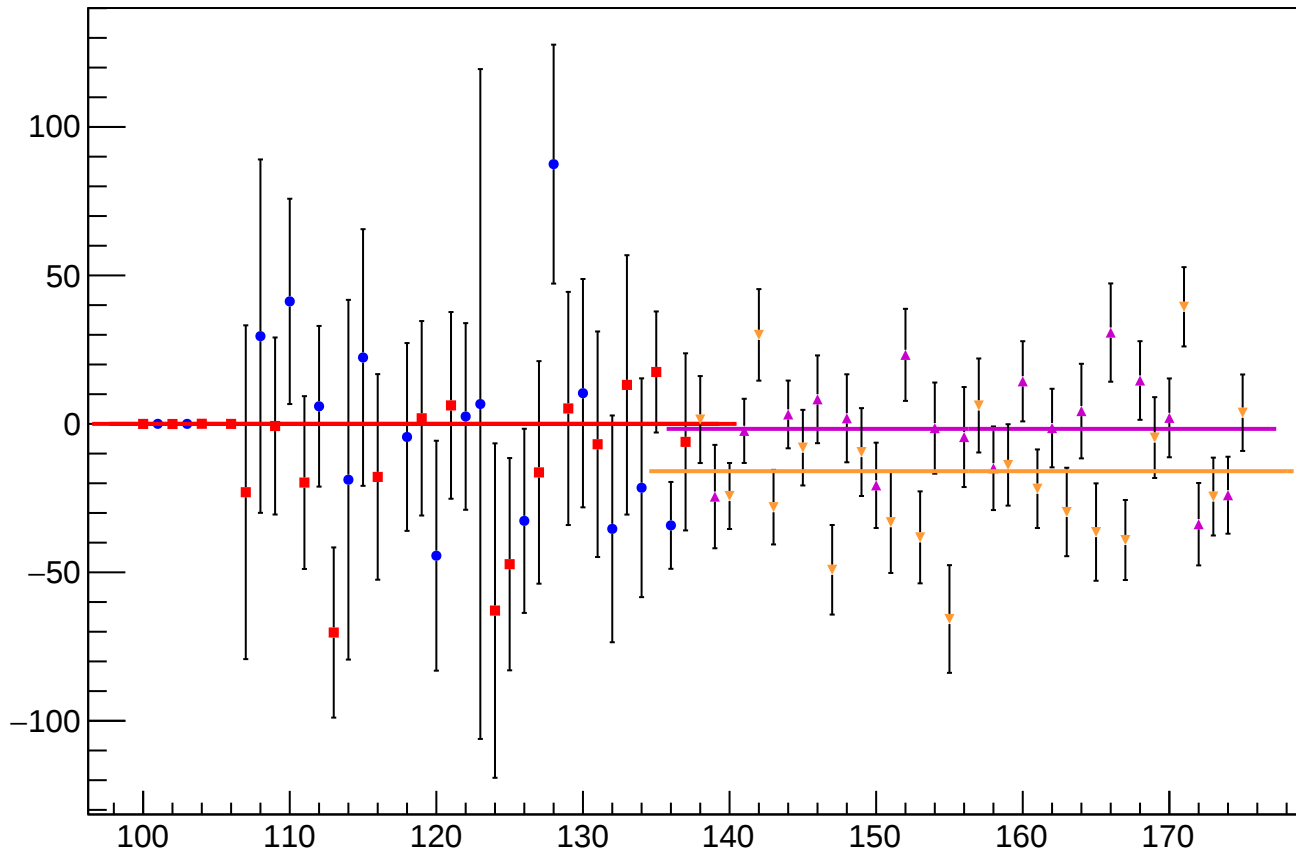
Left In: 2139.251+/-0.425 χ^2/NDF : 1946227.5/17

+ sign 2232.390+/-0.371 χ^2/NDF : 6434477.3/36

All: 2188.304+/-0.262 χ^2/NDF : 13708485.1/71

- sign 2144.564+/-0.370 χ^2/NDF : 7245922.3/36

diff_cav4bX_mean vs Slug



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

Left Out: -15.931 ± 3.152 χ^2/NDF : 56.0/19

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

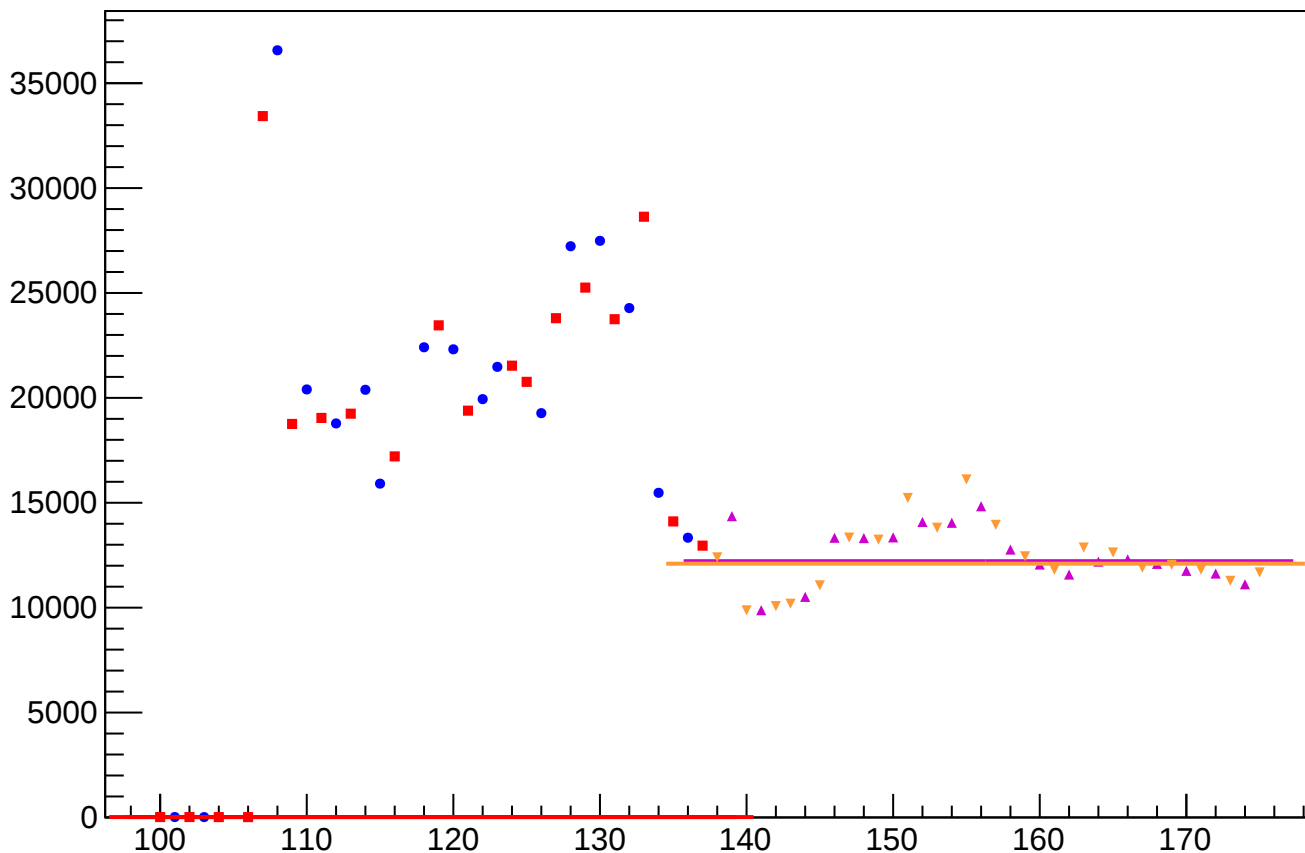
Left In: -1.681 ± 3.300 χ^2/NDF : 23.0/17

+ sign 0.013 ± 0.017 χ^2/NDF : 97.7/36

All: 0.008 ± 0.012 χ^2/NDF : 137.0/73

- sign 0.003 ± 0.016 χ^2/NDF : 39.1/36

diff_cav4bX_rms vs Slug



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

Left Out: 12096.793 $\pm$ 2.229 χ^2 /NDF:438166.5/19

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

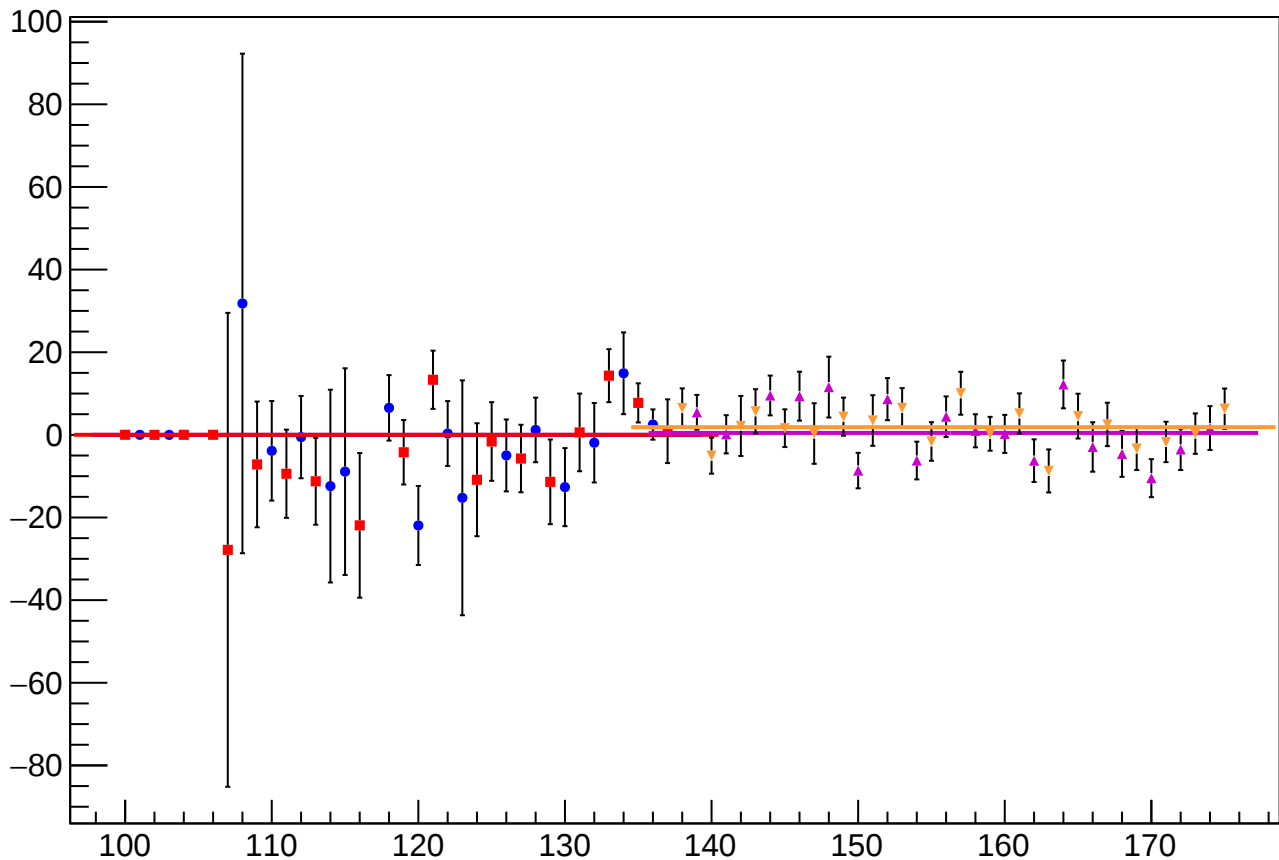
Left In: 12215.309 $\pm$ 2.334 χ^2 /NDF:337811.5/17

+ sign 19.007 $\pm$ 0.012 χ^2 /NDF: 40789865.6/36

All: 18.788 $\pm$ 0.008 χ^2 /NDF: 79555593.7/73

- sign 18.601 $\pm$ 0.011 χ^2 /NDF: 38765137.3/36

diff_cav4bY_mean vs Slug



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

Left Out: 1.868 $\pm$ 1.126 χ^2 /NDF:15.8/19

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

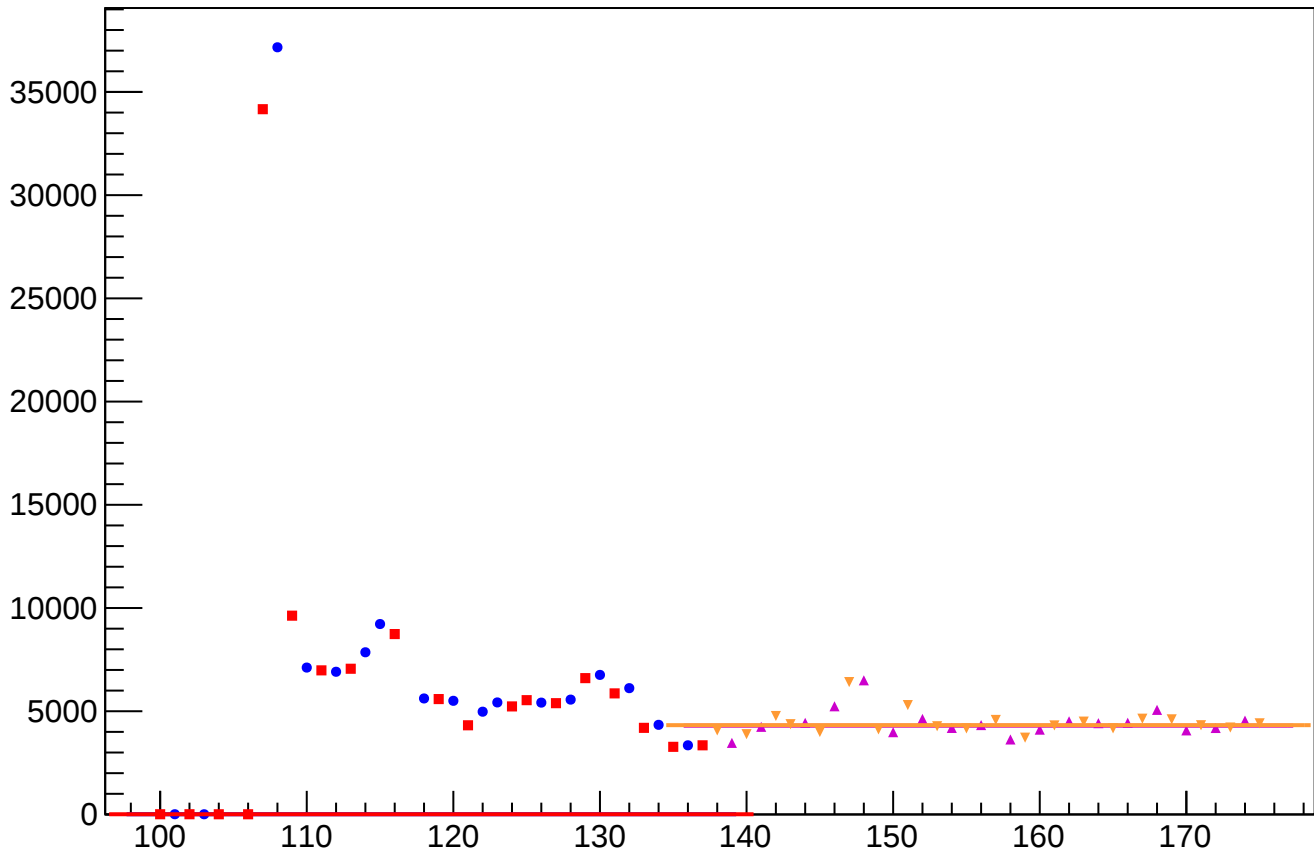
Left In: 0.471 $\pm$ 1.166 χ^2 /NDF:32.7/17

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 31.6/36

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 84.1/73

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 51.4/36

diff_cav4bY_rms vs Slug



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

Left Out: 4325.392+/-0.796 χ^2/NDF : 330157.3/19

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

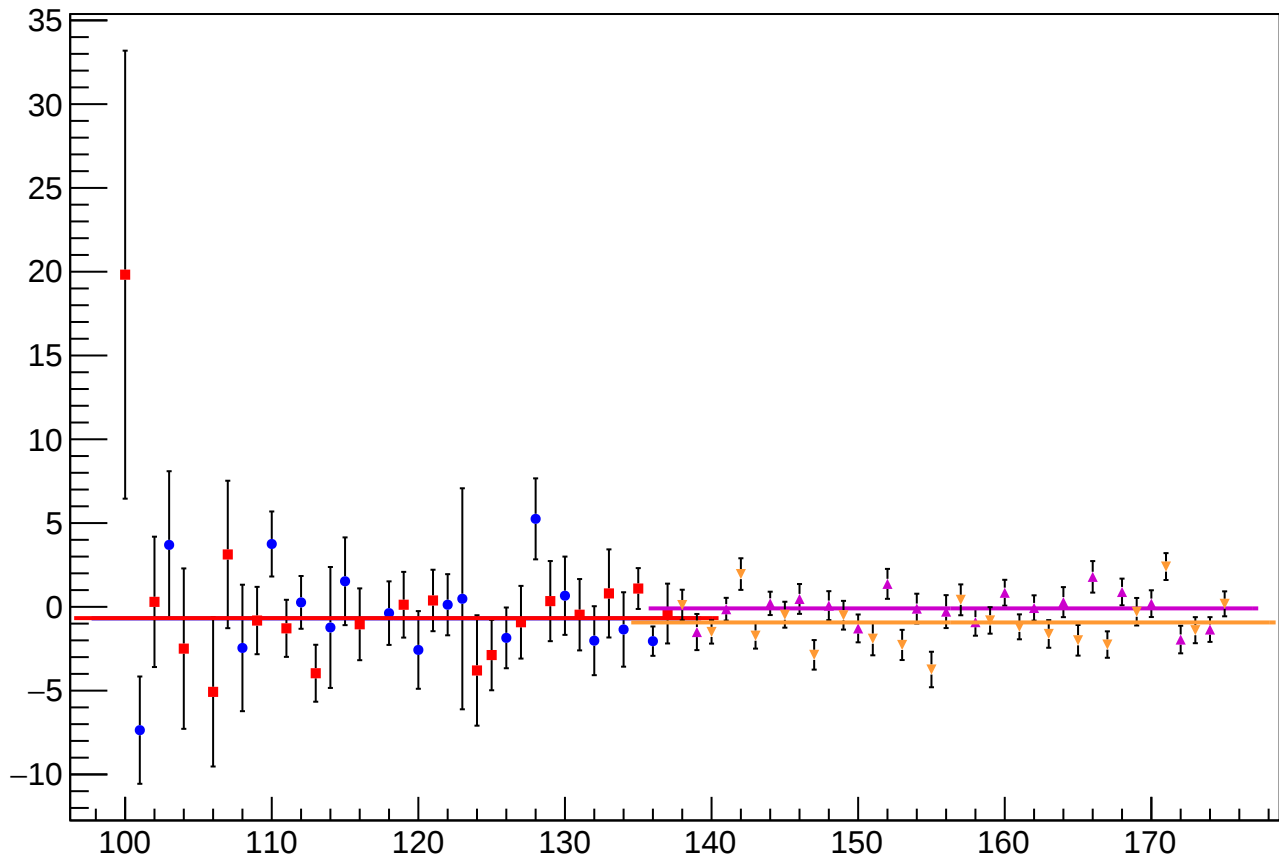
Left In: 4298.674+/-0.824 χ^2/NDF : 441350.5/17

+ sign 10.227+/-0.007 χ^2/NDF : 40812942.7/36

All: 10.155+/-0.004 χ^2/NDF : 79486362.6/73

- sign 10.091+/-0.006 χ^2/NDF : 38673185.9/36

diff_cav4cX_mean vs Slug



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

Left Out: -0.931 ± 0.186 χ^2/NDF : 55.6/19

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

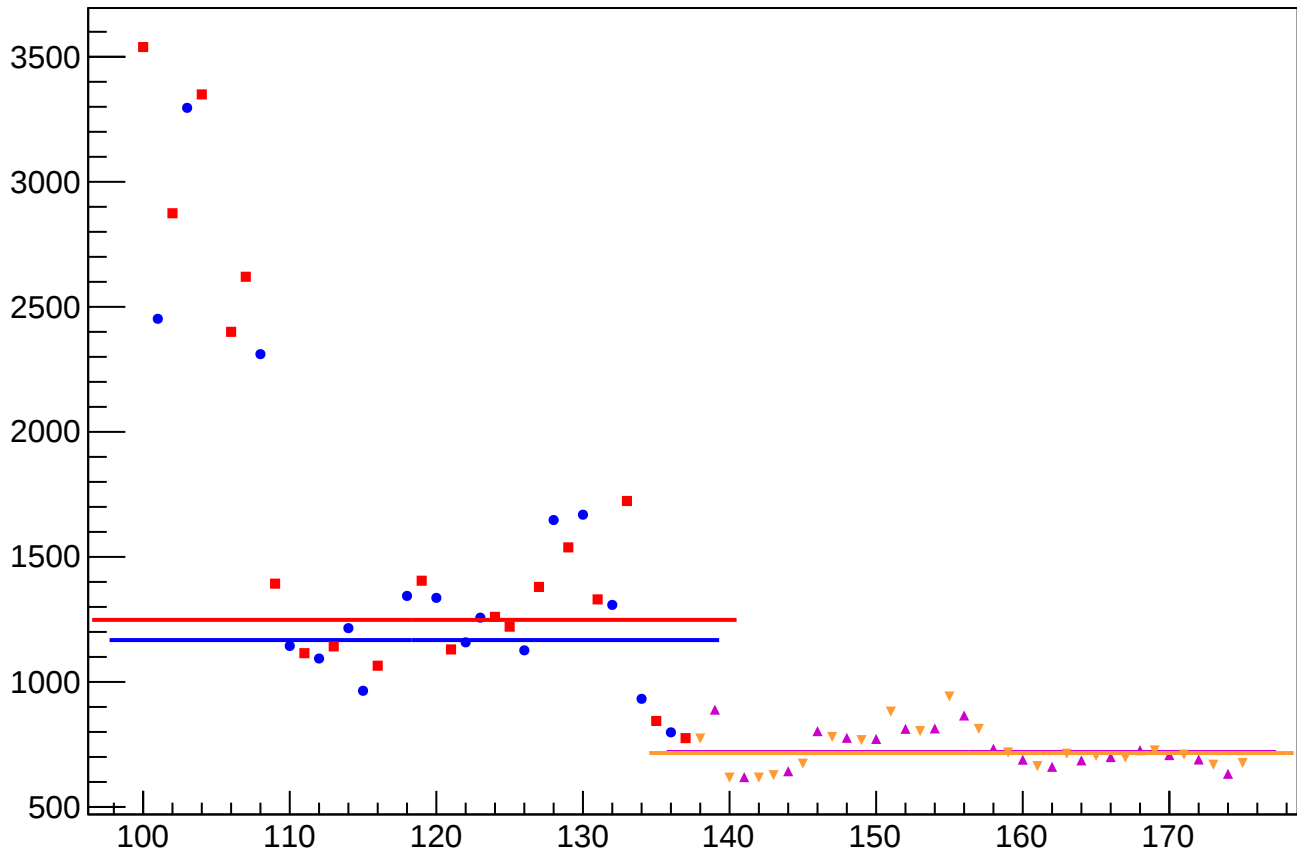
Left In: -0.092 ± 0.194 χ^2/NDF : 23.4/17

+ sign -0.899 ± 0.174 χ^2/NDF : 78.3/36

All: -0.549 ± 0.125 χ^2/NDF : 124.8/73

- sign -0.168 ± 0.181 χ^2/NDF : 37.9/36

diff_cav4cX_rms vs Slug



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

Left Out: 715.655 $\pm$ 0.132 χ^2 /NDF: 332819.0/19

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

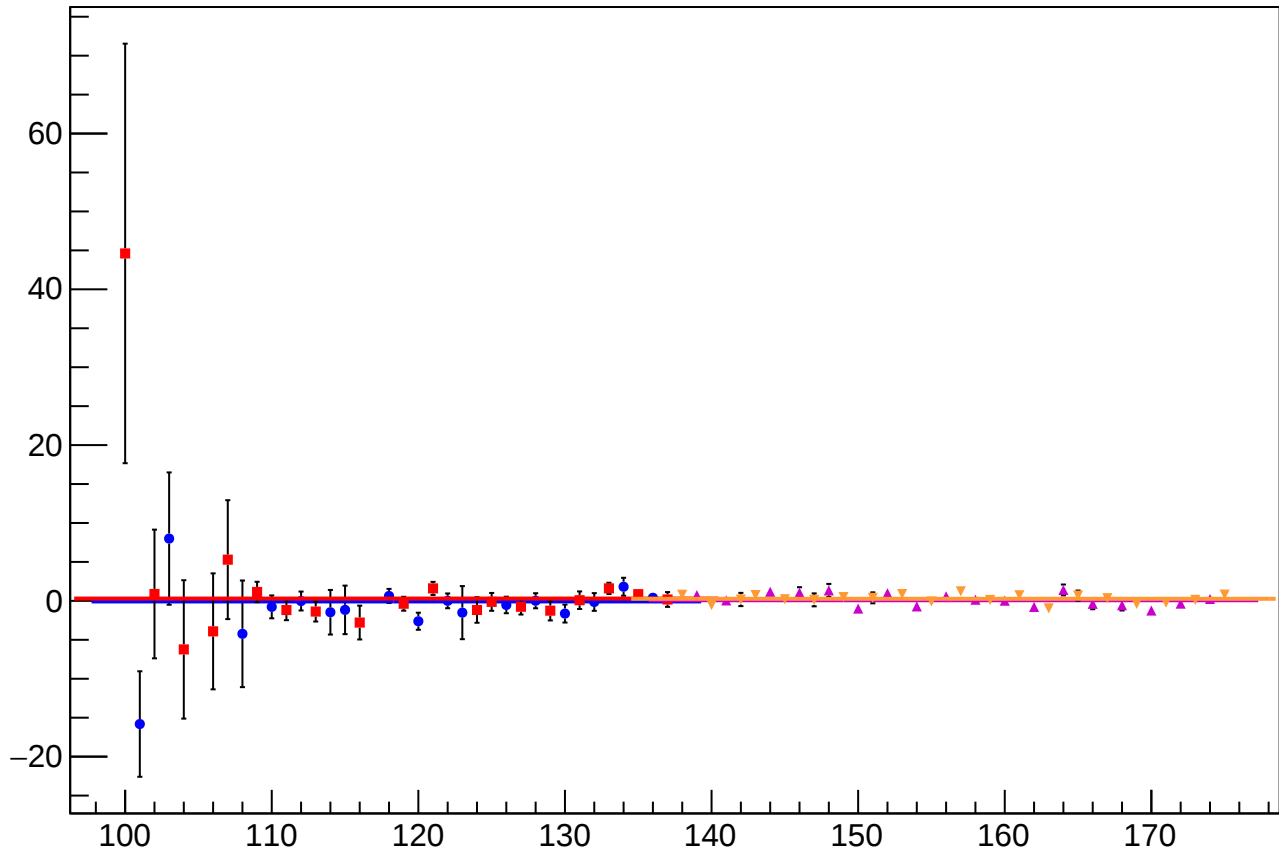
Left In: 719.905 $\pm$ 0.137 χ^2 /NDF: 290913.9/17

+ sign 774.188 $\pm$ 0.123 χ^2 /NDF: 3438565.5/36

All: 781.303 $\pm$ 0.089 χ^2 /NDF: 7326136.1/73

- sign 789.048 $\pm$ 0.128 χ^2 /NDF: 3880554.1/36

diff_cav4cY_mean vs Slug



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

Left Out: 0.267 ± 0.135 χ^2/NDF : 15.4/19

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

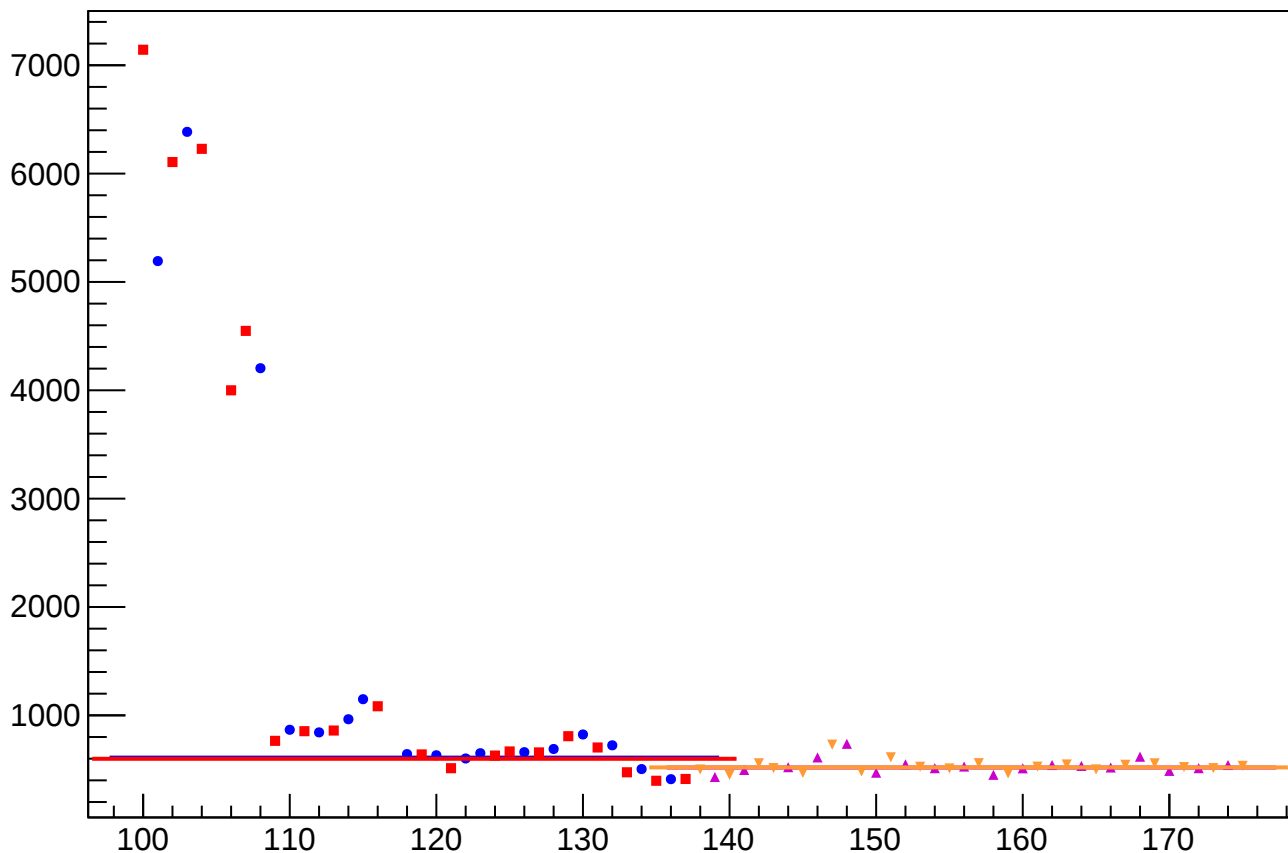
Left In: 0.079 ± 0.140 χ^2/NDF : 32.2/17

+ sign 0.198 ± 0.121 χ^2/NDF : 35.9/36

All: 0.163 ± 0.086 χ^2/NDF : 89.1/73

- sign 0.126 ± 0.124 χ^2/NDF : 53.0/36

diff_cav4cY_rms vs Slug



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

Left Out: 519.455 $\pm$ 0.096 χ^2 /NDF: 282283.4/19

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

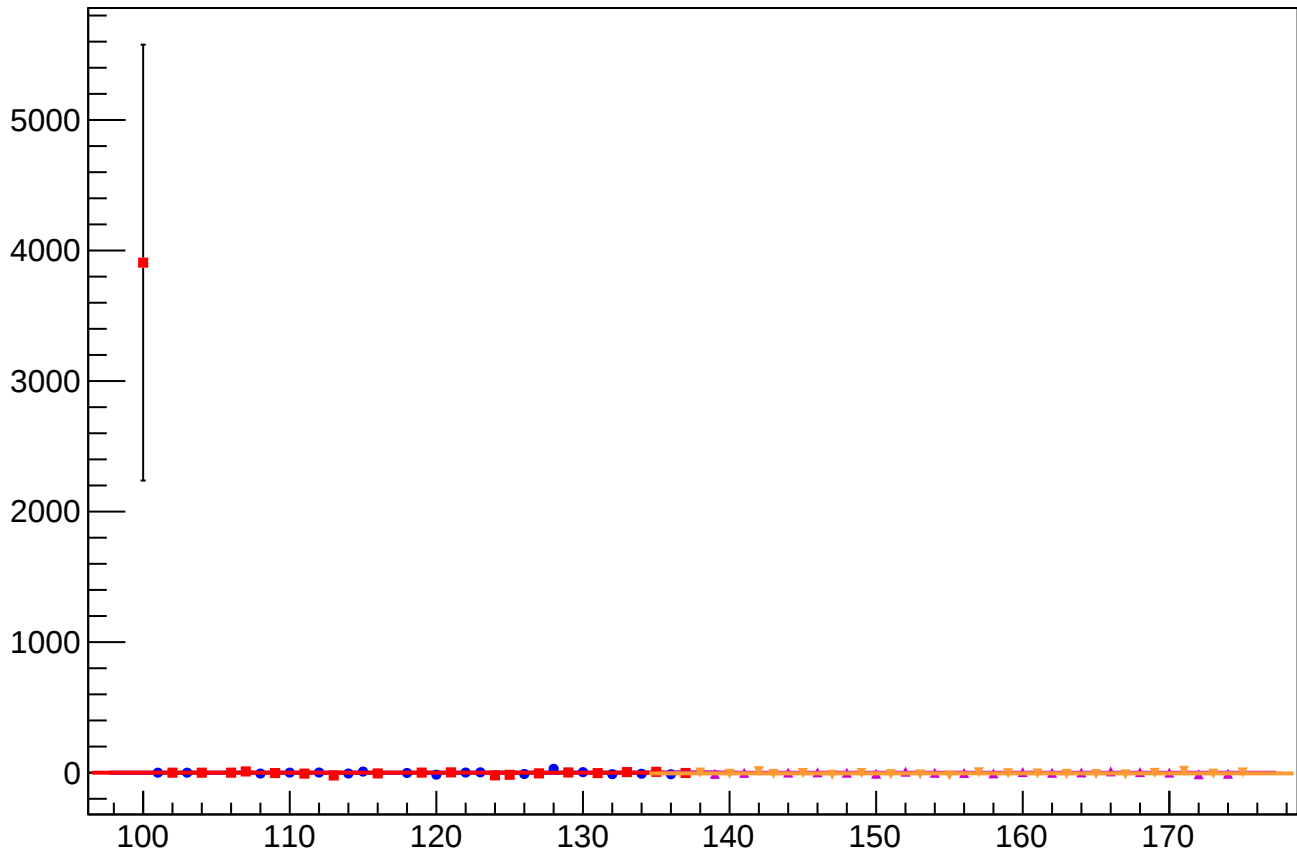
Left In: 518.145 $\pm$ 0.099 χ^2 /NDF: 349804.1/17

+ sign 537.692 $\pm$ 0.085 χ^2 /NDF: 3598793.6/36

All: 536.843 $\pm$ 0.061 χ^2 /NDF: 7647650.8/73

- sign 535.950 $\pm$ 0.088 χ^2 /NDF: 4048654.2/36

diff_cav4dX_mean vs Slug



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

Left Out: -5.352 ± 1.082 χ^2/NDF : 55.6/19

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

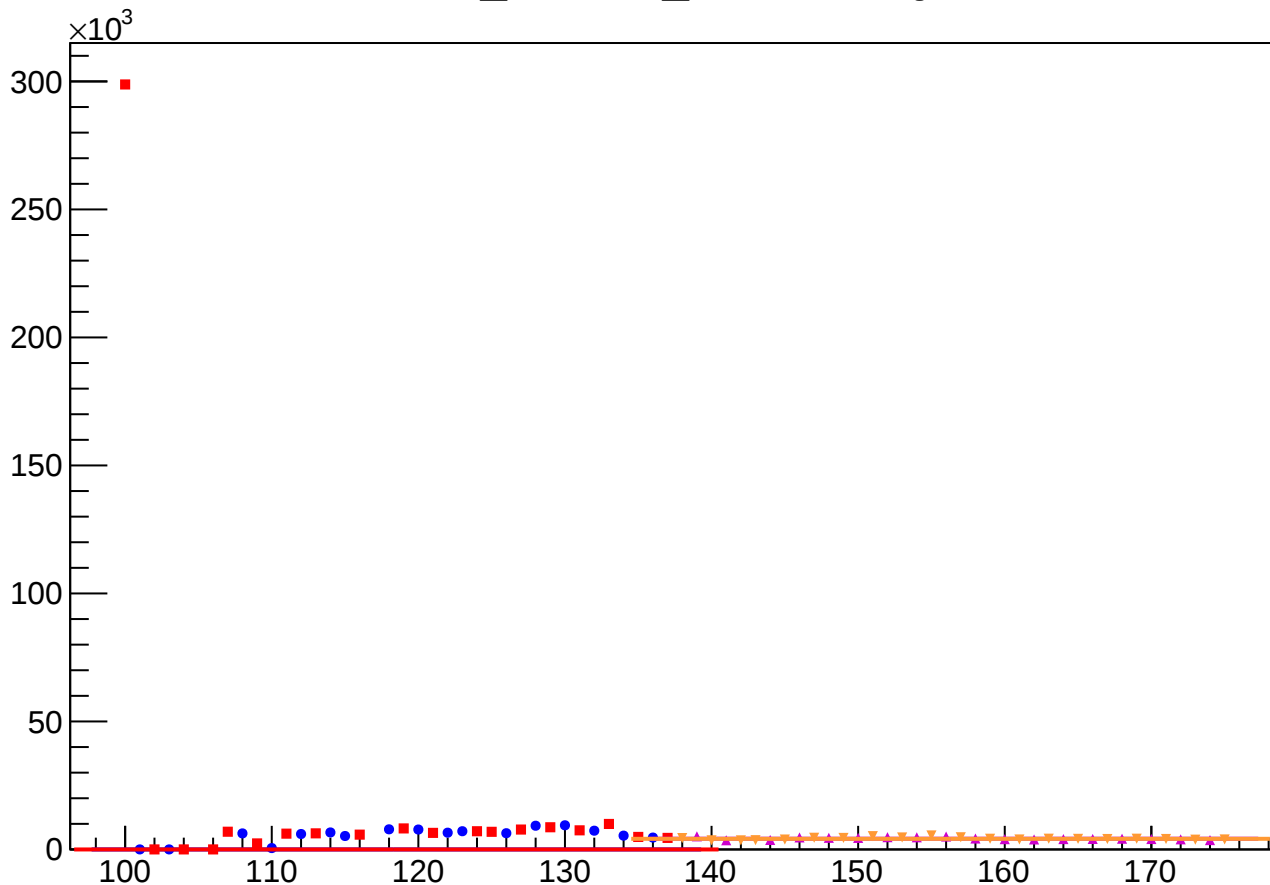
Left In: -0.578 ± 1.131 χ^2/NDF : 23.5/17

+ sign -0.024 ± 0.021 χ^2/NDF : 95.5/36

All: -0.025 ± 0.014 χ^2/NDF : 137.1/73

- sign -0.027 ± 0.020 χ^2/NDF : 41.6/36

diff_cav4dX_rms vs Slug



Right In: 17.341 ± 0.015 χ^2/NDF : 10501445.0/16

Left Out: 4159.154 ± 0.765 χ^2/NDF : 356931.1/19

Right Out: 17.269 ± 0.014 χ^2/NDF : 10820611.7/18

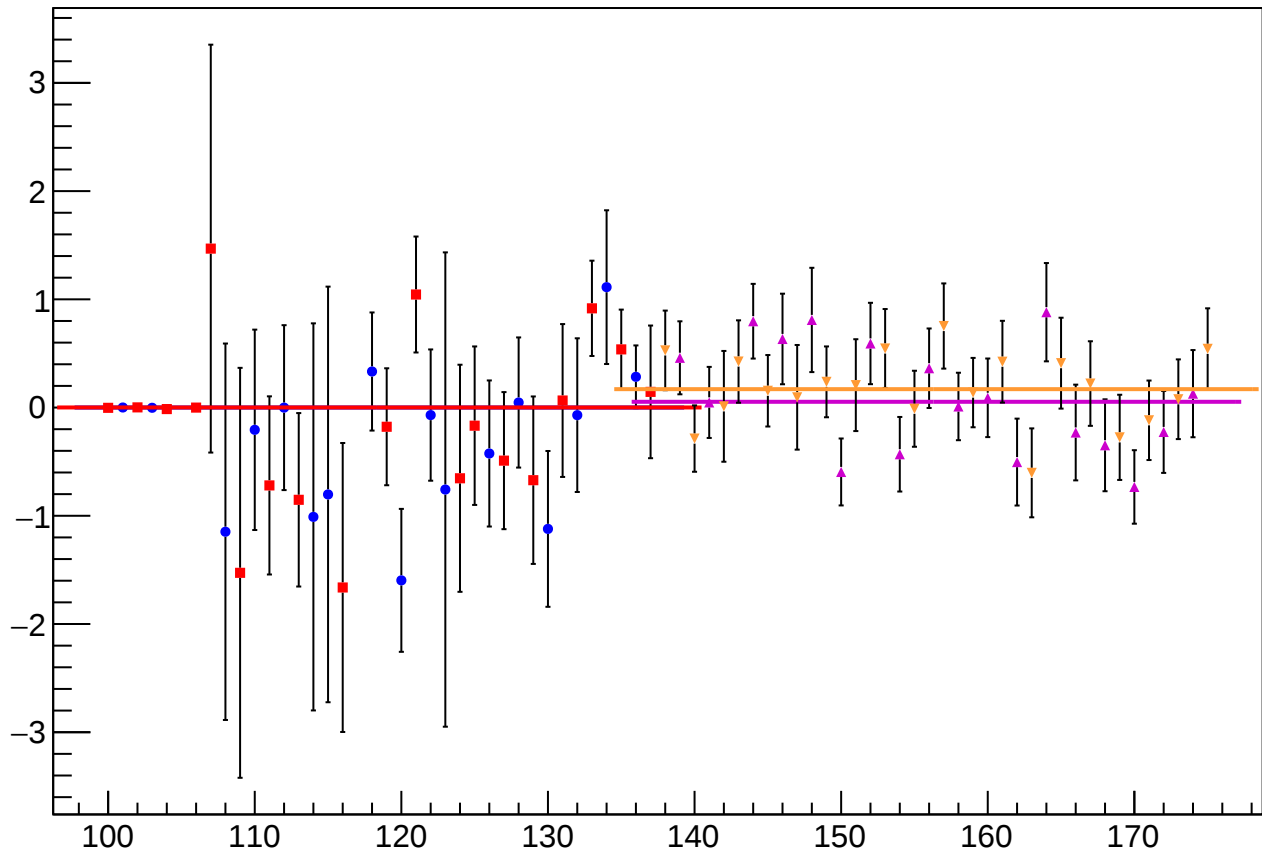
Left In: 4190.827 ± 0.800 χ^2/NDF : 303100.1/17

+ sign 18.870 ± 0.015 χ^2/NDF : 40160056.1/36

All: 18.699 ± 0.010 χ^2/NDF : 78497840.4/73

- sign 18.544 ± 0.014 χ^2/NDF : 38337525.4/36

diff_cav4dY_mean vs Slug



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

Left Out: 0.170 ± 0.084 χ^2/NDF : 14.6/19

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

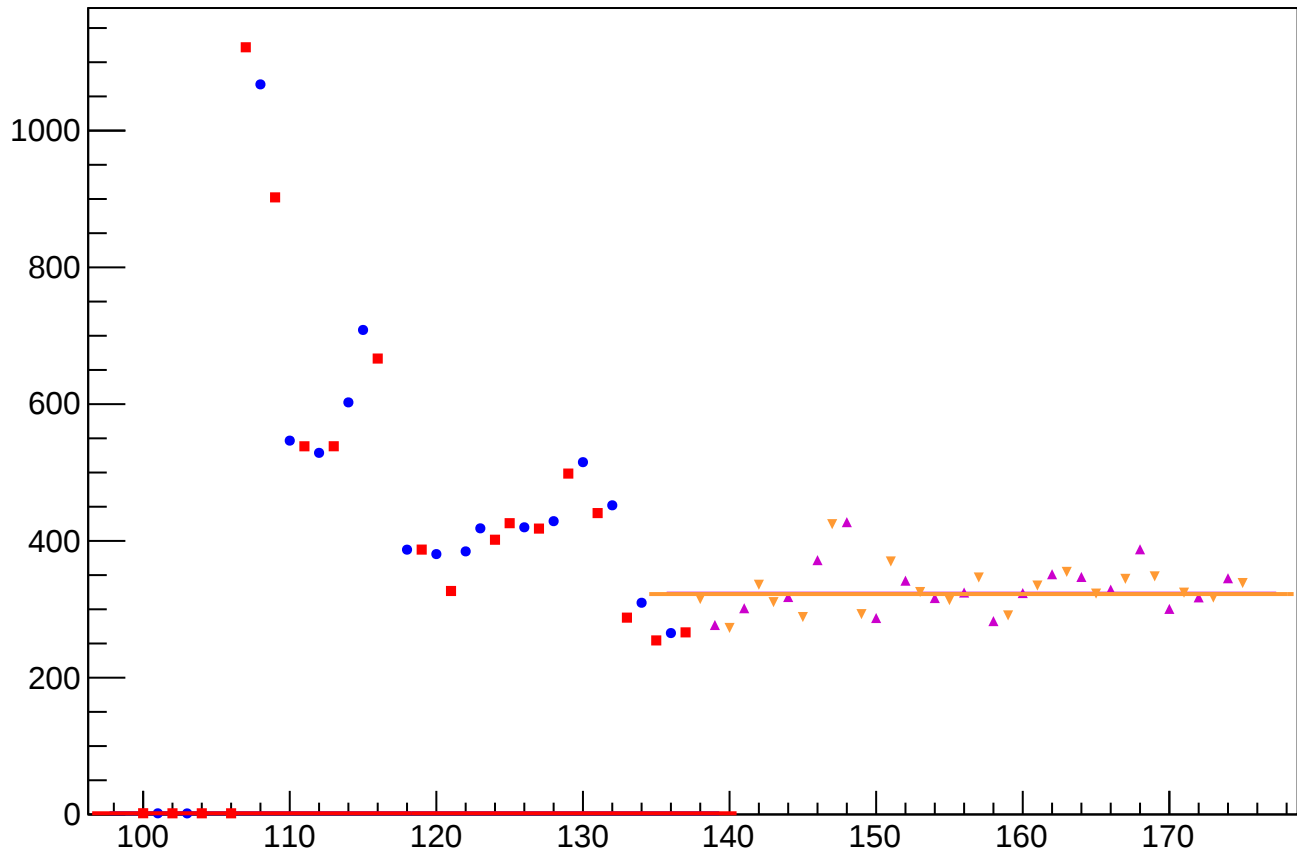
Left In: 0.053 ± 0.087 χ^2/NDF : 32.2/17

+ sign 0.000 ± 0.002 χ^2/NDF : 32.5/36

All: 0.001 ± 0.001 χ^2/NDF : 83.0/73

- sign 0.001 ± 0.002 χ^2/NDF : 50.4/36

diff_cav4dY_rms vs Slug



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

Left Out: 322.280 $\pm$ 0.059 χ^2 /NDF: 269615.5/19

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

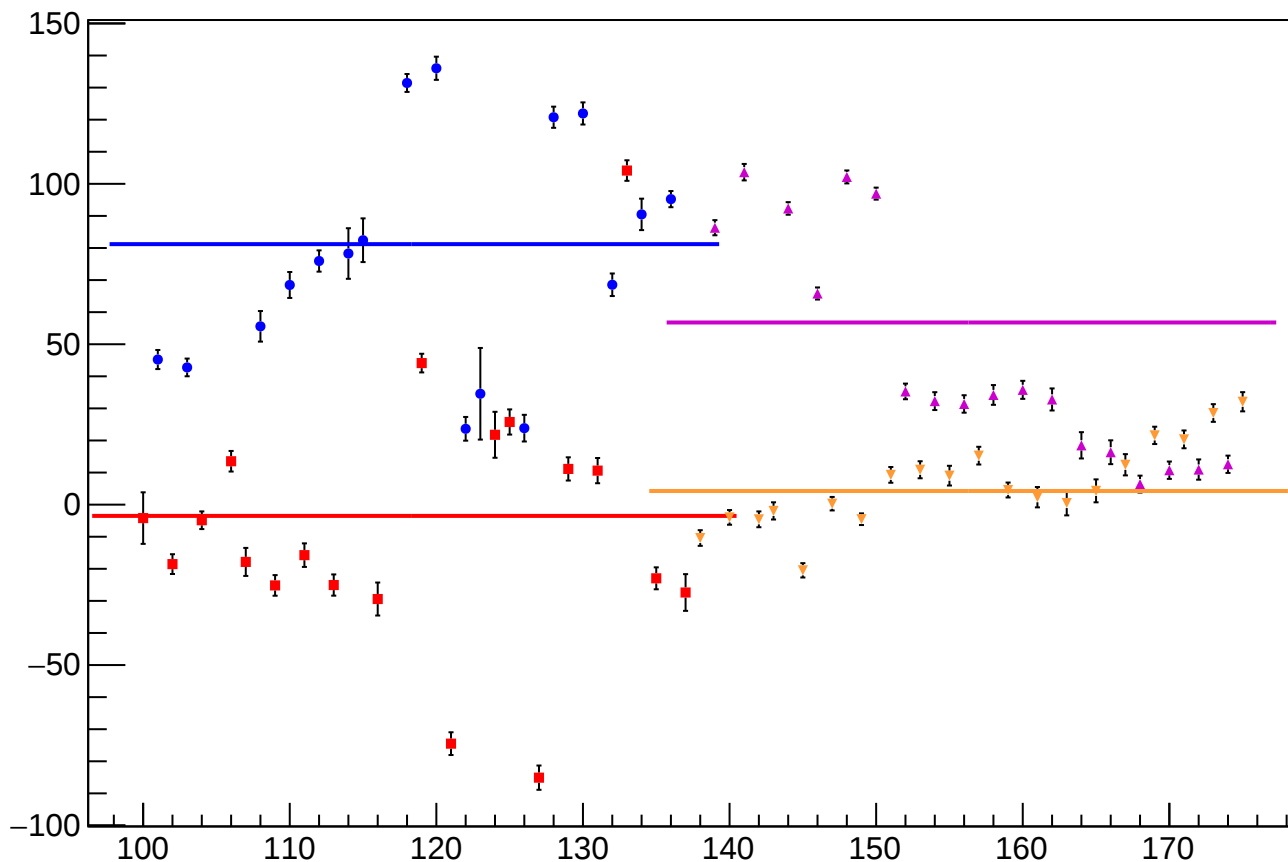
Left In: 322.848 $\pm$ 0.062 χ^2 /NDF: 310985.1/17

+ sign 1.886 $\pm$ 0.001 χ^2 /NDF: 40582256.4/36

All: 1.887 $\pm$ 0.001 χ^2 /NDF: 78691736.4/73

- sign 1.887 $\pm$ 0.001 χ^2 /NDF: 38109479.9/36

diff_bpm0i01X_mean vs Slug



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

Left Out: 4.256 $\pm$ 0.581 χ^2 /NDF: 491.4/19

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

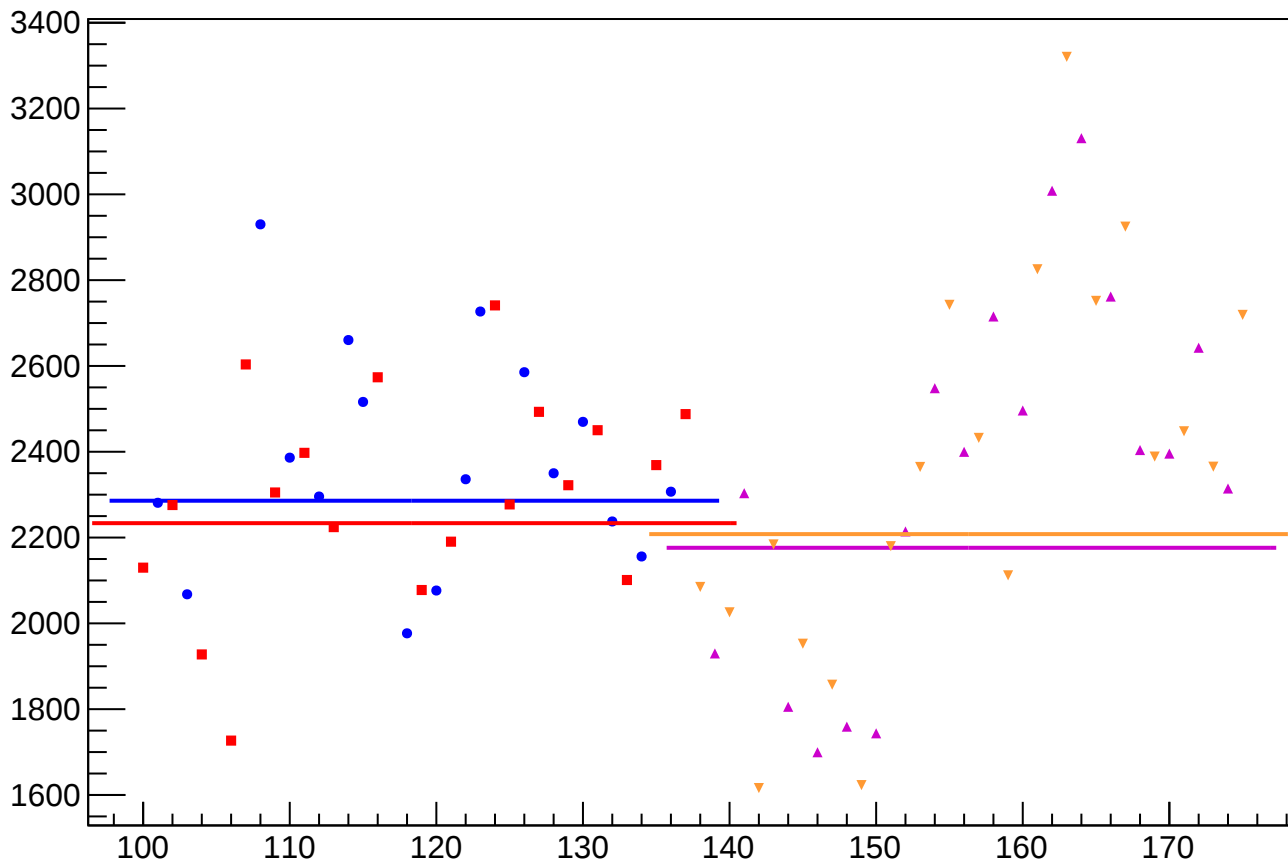
Left In: 56.782 $\pm$ 0.597 χ^2 /NDF: 3545.0/17

+ sign 27.378 $\pm$ 0.486 χ^2 /NDF: 7480.6/36

All: 31.975 $\pm$ 0.344 χ^2 /NDF: 17211.8/73

- sign 36.607 $\pm$ 0.487 χ^2 /NDF: 9551.2/36

diff_bpm0i01X_rms vs Slug



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

Left Out: 2208.022+/-0.410 χ^2/NDF : 977636.3/19

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

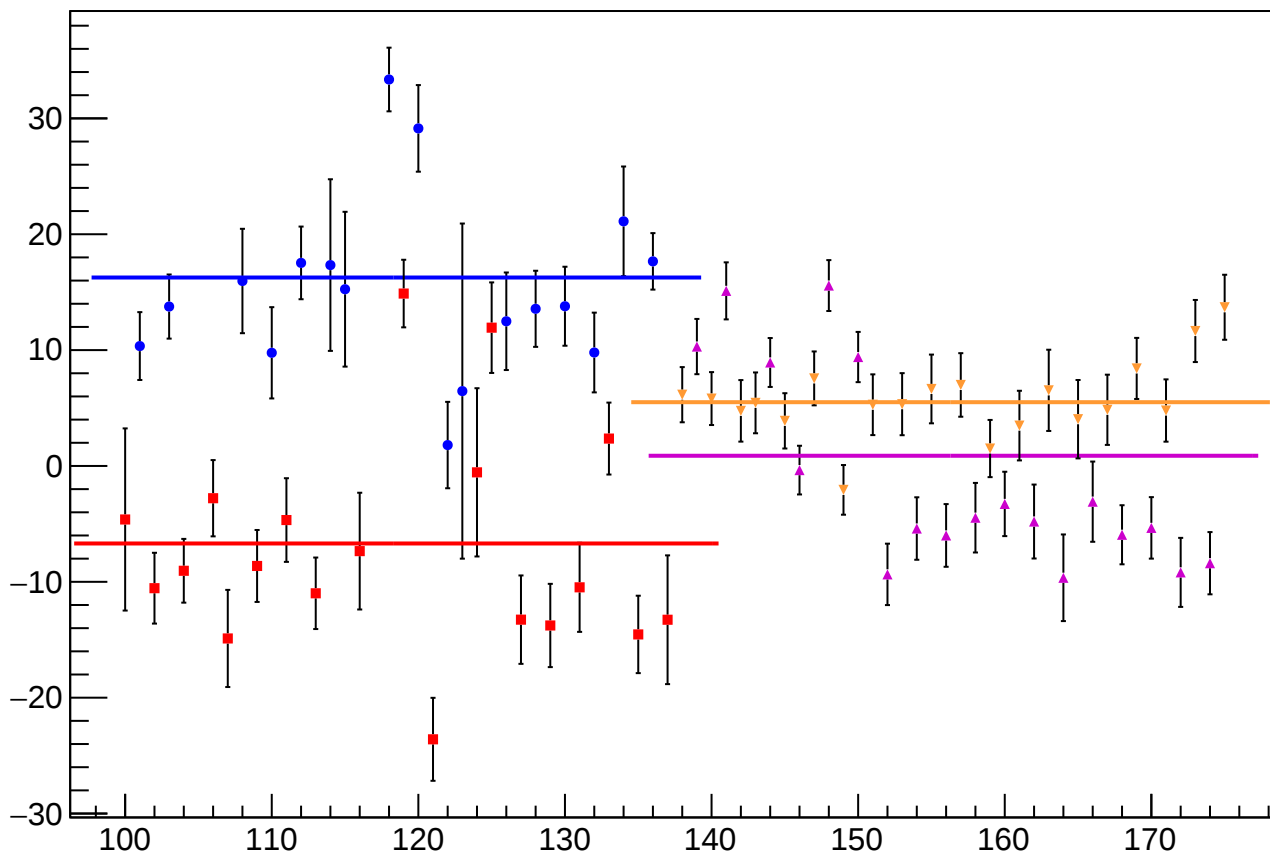
Left In: 2176.161+/-0.422 χ^2/NDF : 906794.2/17

+ sign 2231.411+/-0.343 χ^2/NDF : 1097776.8/36

All: 2213.456+/-0.243 χ^2/NDF : 2163084.8/73

- sign 2195.364+/-0.345 χ^2/NDF : 1059816.6/36

diff_bpm0i01Y_mean vs Slug



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

Left Out: 5.504 ± 0.591 χ^2/NDF : 32.8/19

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

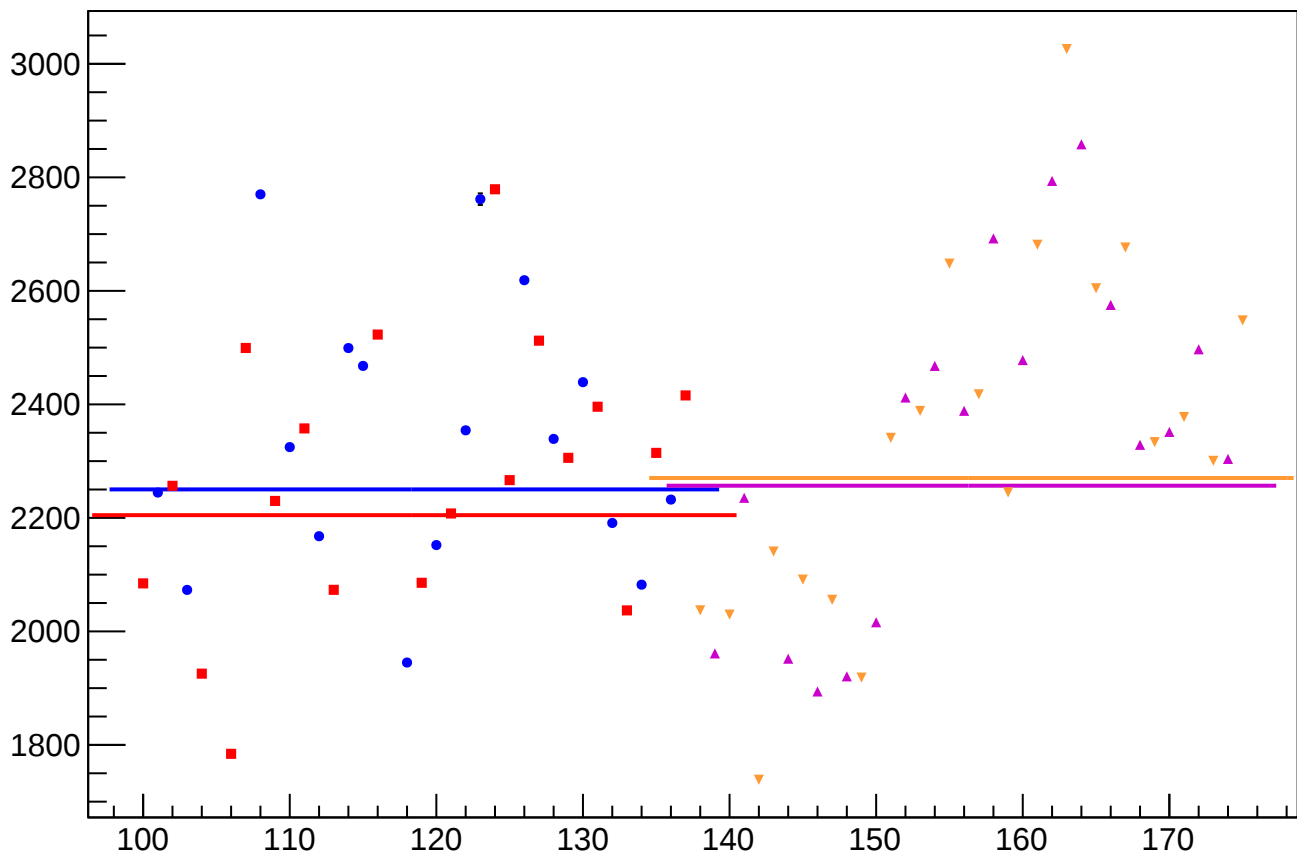
Left In: 0.881 ± 0.612 χ^2/NDF : 204.7/17

+ sign 8.892 ± 0.489 χ^2/NDF : 218.1/36

All: 3.596 ± 0.347 χ^2/NDF : 847.0/73

- sign -1.783 ± 0.493 χ^2/NDF : 392.5/36

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2270.240+/-0.418 χ^2/NDF : 462258.6/19

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

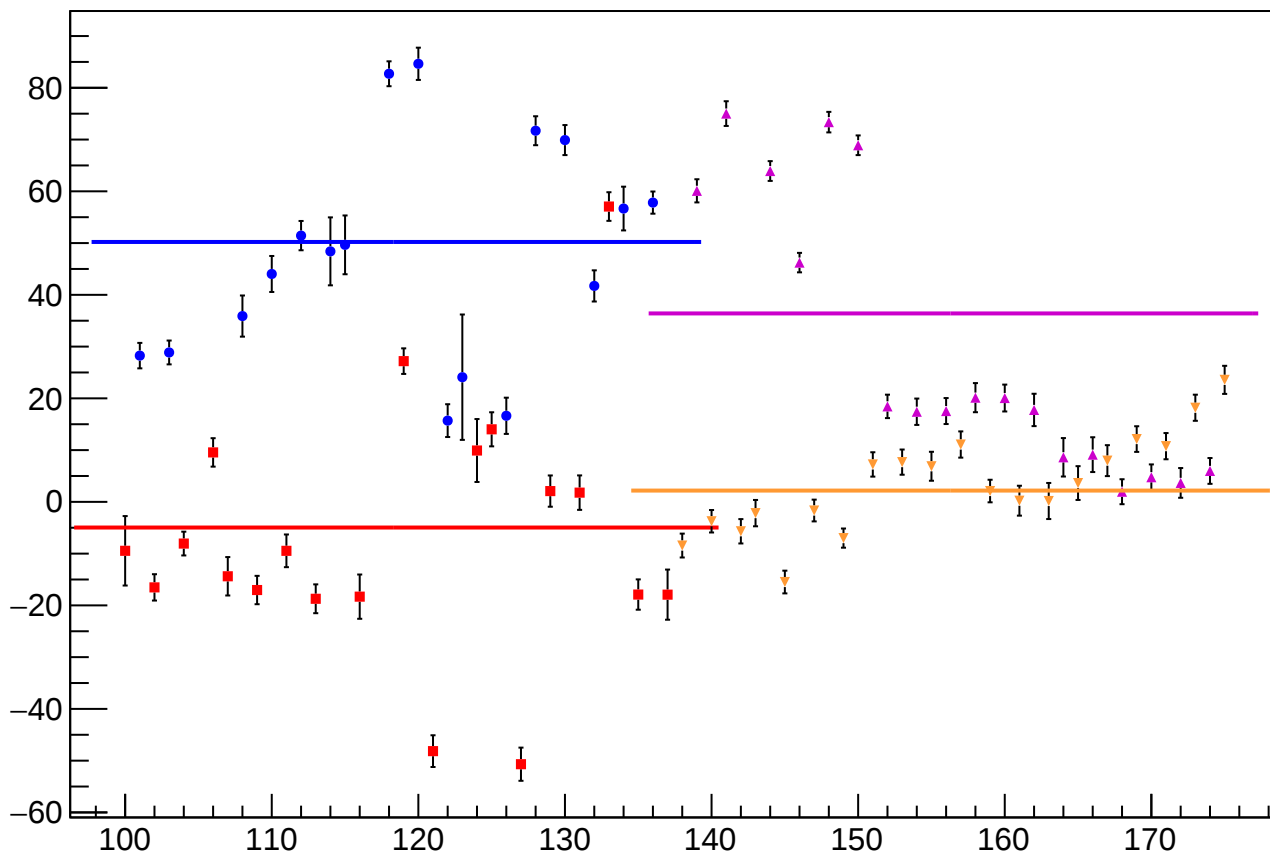
Left In: 2256.709+/-0.433 χ^2/NDF : 425279.4/17

+ sign 2263.923+/-0.346 χ^2/NDF : 560563.1/36

All: 2251.280+/-0.245 χ^2/NDF : 1119828.0/73

- sign 2238.439+/-0.348 χ^2/NDF : 556569.9/36

diff_bpm0i01aX_mean vs Slug



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

Left Out: 2.182 $\pm$ 0.549 χ^2 /NDF:295.0/19

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

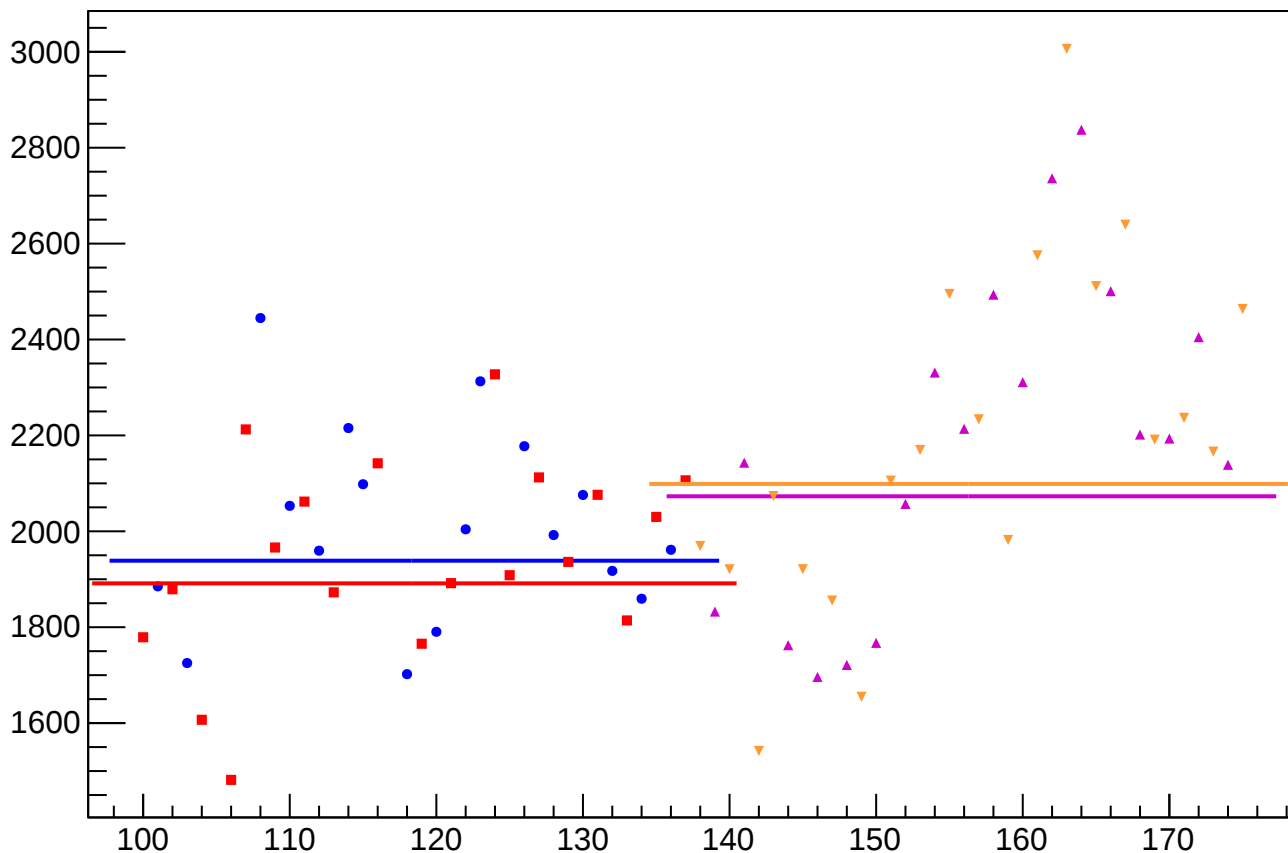
Left In: 36.407 $\pm$ 0.566 χ^2 /NDF:2299.0/17

+ sign 18.898 $\pm$ 0.443 χ^2 /NDF: 3794.0/36

All: 19.668 $\pm$ 0.313 χ^2 /NDF: 9425.8/73

- sign 20.439 $\pm$ 0.443 χ^2 /NDF: 5625.7/36

diff_bpm0i01aX_rms vs Slug



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

Left Out: 2098.811+/-0.388 χ^2/NDF : 673633.0/19

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

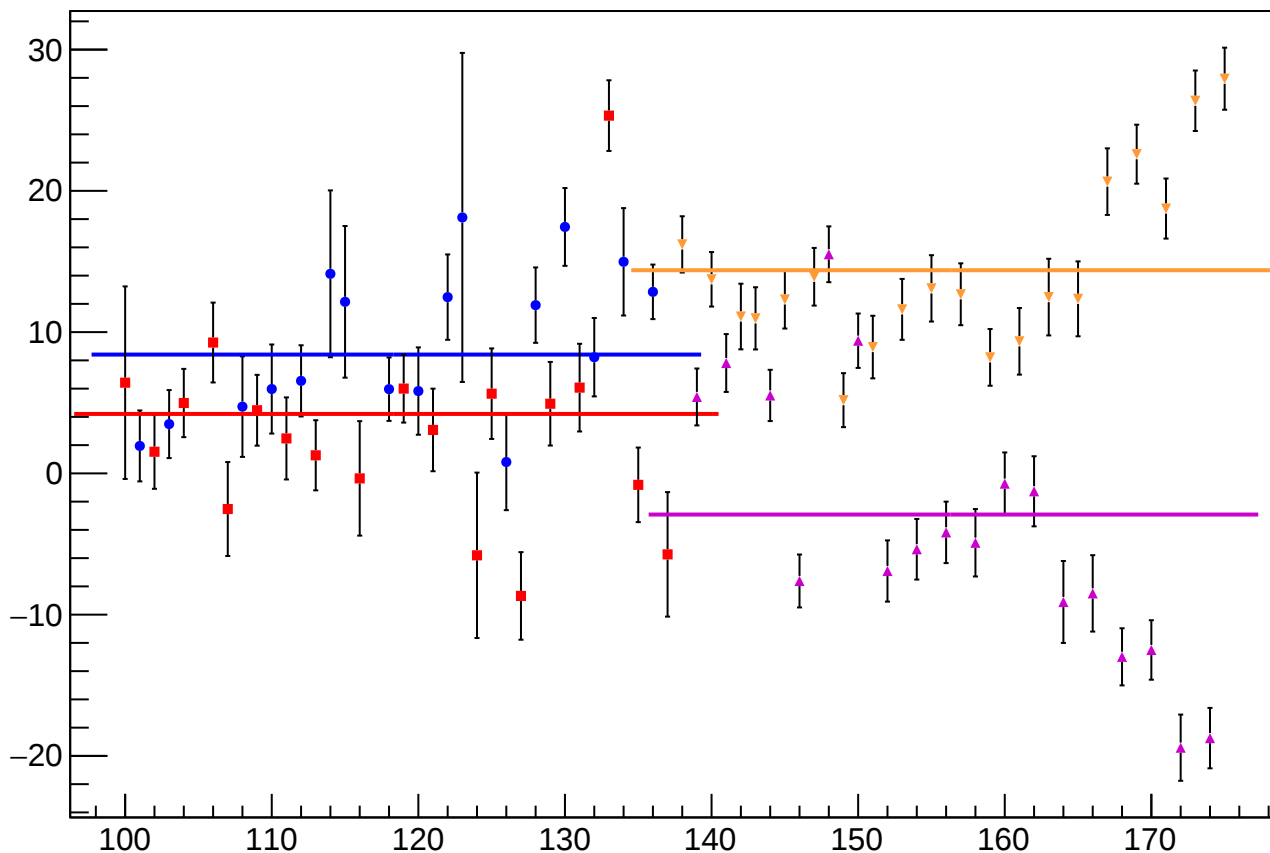
Left In: 2073.036+/-0.400 χ^2/NDF : 606350.4/17

+ sign 2043.085+/-0.313 χ^2/NDF : 833087.6/36

All: 2023.030+/-0.222 χ^2/NDF : 1673808.7/73

- sign 2002.945+/-0.313 χ^2/NDF : 832514.3/36

diff_bpm0i01aY_mean vs Slug



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

Left Out: 14.380 ± 0.486 χ^2/NDF : 149.5/19

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

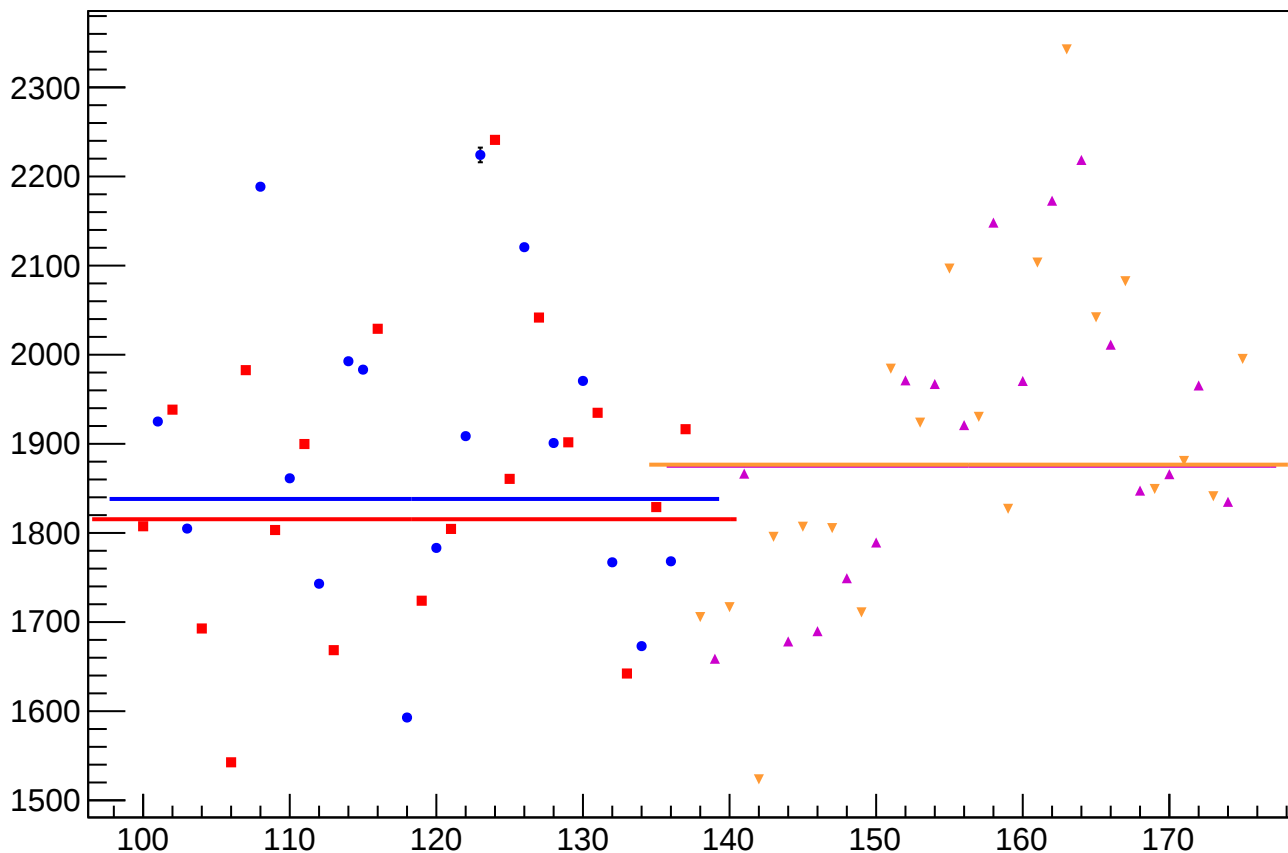
Left In: -2.914 ± 0.506 χ^2/NDF : 366.2/17

+ sign 12.479 ± 0.401 χ^2/NDF : 242.1/36

All: 6.124 ± 0.286 χ^2/NDF : 1299.5/73

- sign -0.390 ± 0.406 χ^2/NDF : 549.6/36

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1876.634 $\pm$ 0.344 χ^2 /NDF: 230063.6/19

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

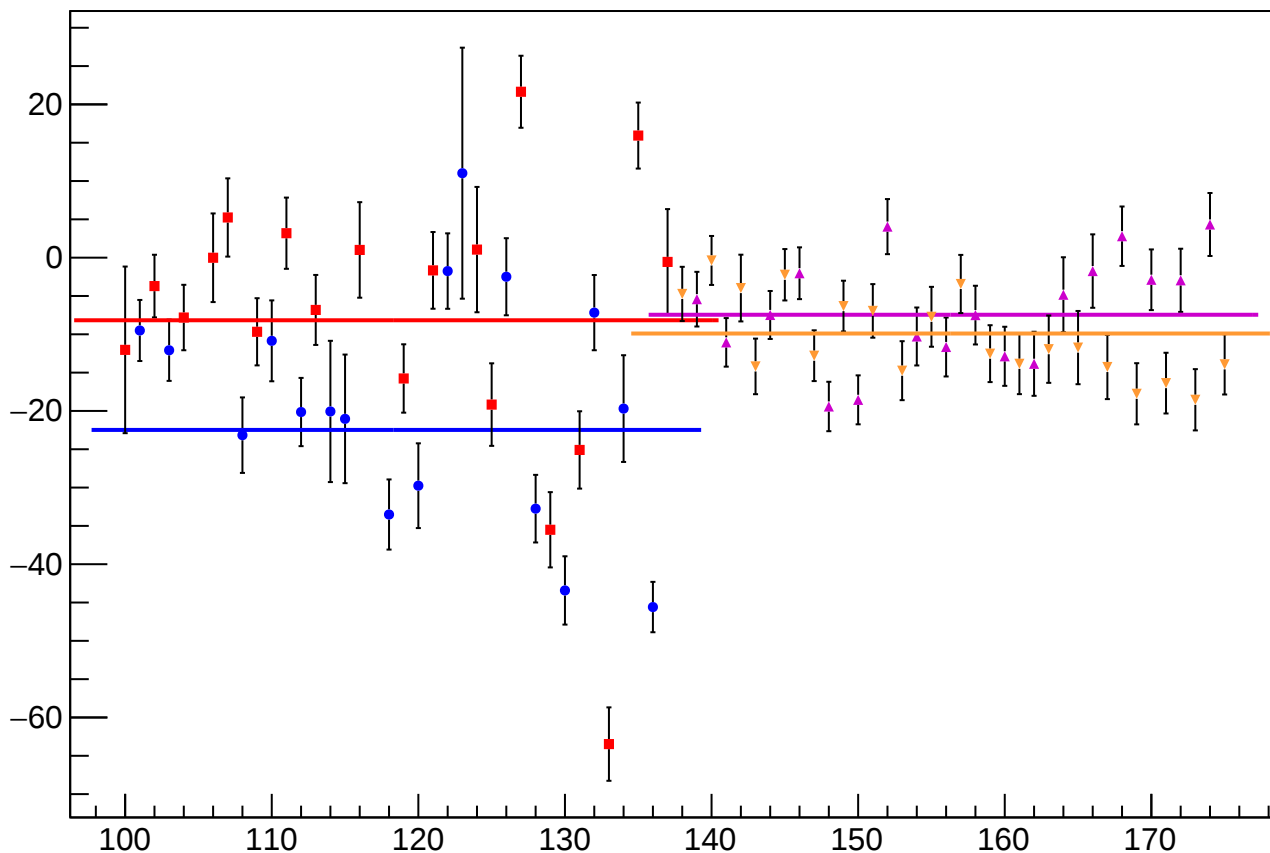
Left In: 1875.367 $\pm$ 0.358 χ^2 /NDF: 182719.3/17

+ sign 1864.379 $\pm$ 0.284 χ^2 /NDF: 316935.0/36

All: 1859.309 $\pm$ 0.202 χ^2 /NDF: 597689.2/73

- sign 1854.114 $\pm$ 0.287 χ^2 /NDF: 280107.9/36

diff_bpm0l01X_mean vs Slug



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

Left Out: -9.898 ± 0.844 χ^2/NDF : 42.2/19

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

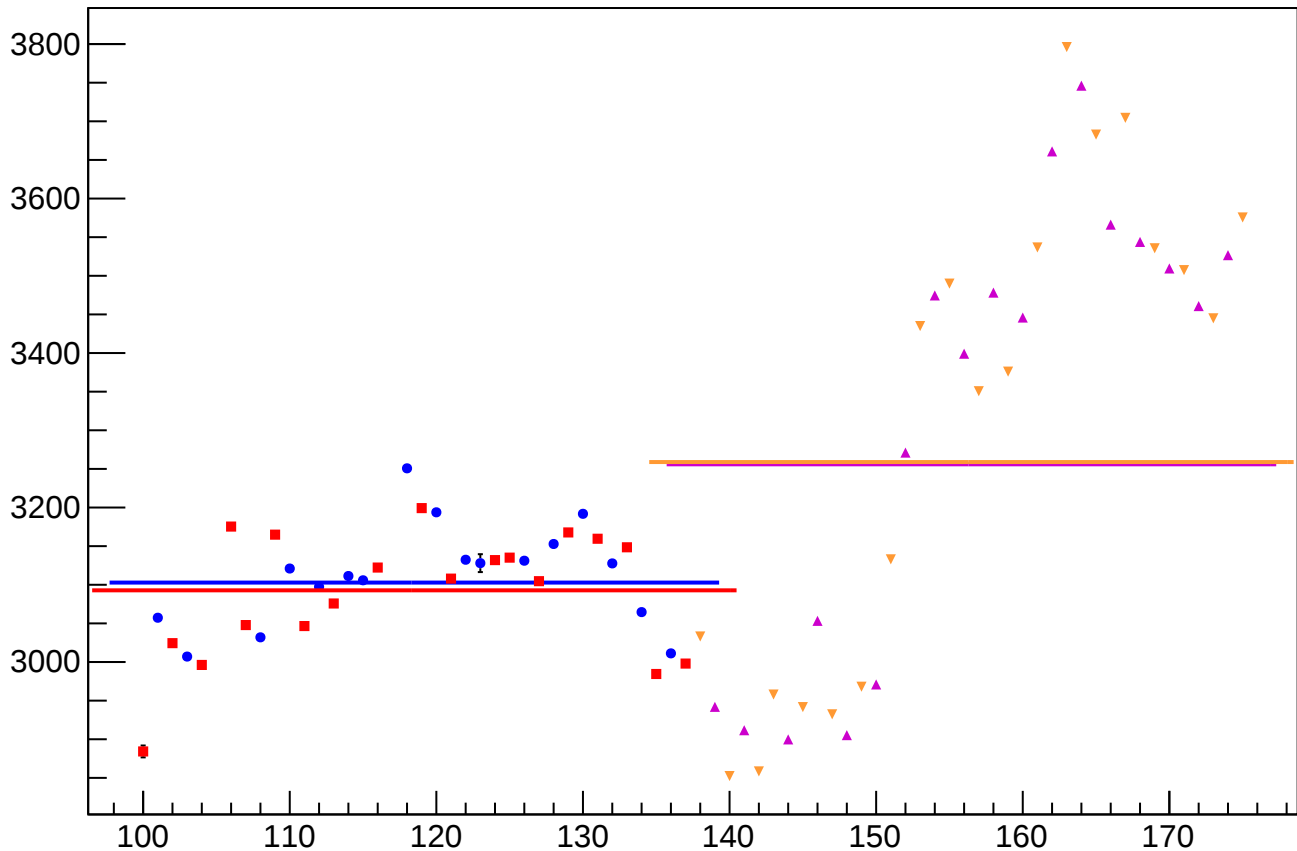
Left In: -7.450 ± 0.876 χ^2/NDF : 65.8/17

+ sign -14.084 ± 0.689 χ^2/NDF : 270.9/36

All: -10.940 ± 0.491 χ^2/NDF : 656.0/73

- sign -7.712 ± 0.698 χ^2/NDF : 342.9/36

diff_bpm0l01X_rms vs Slug



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

Left Out: 3258.884 $\pm$ 0.597 χ^2 /NDF: 253763.2/19

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

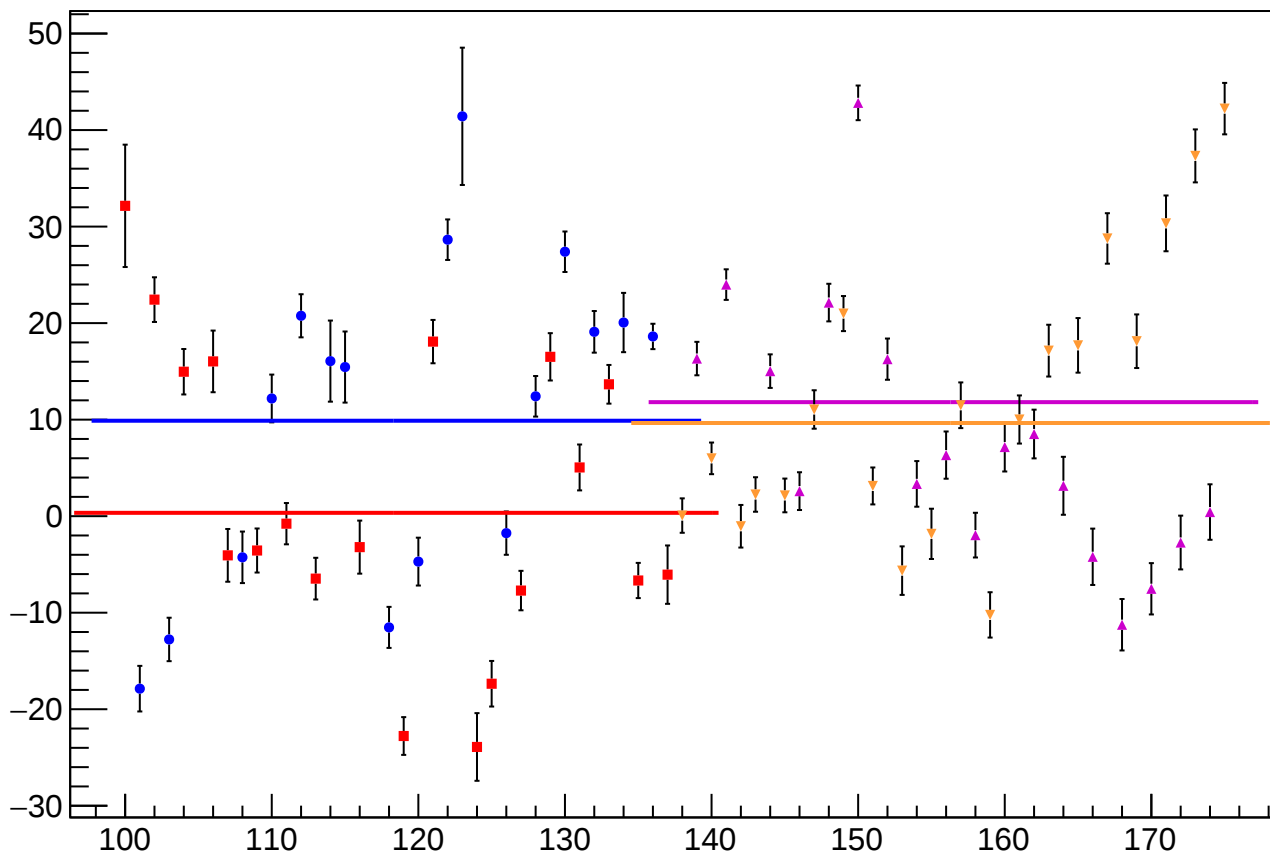
Left In: 3255.943 $\pm$ 0.619 χ^2 /NDF: 212971.7/17

+ sign 3206.957 $\pm$ 0.487 χ^2 /NDF: 283870.6/36

All: 3201.784 $\pm$ 0.347 χ^2 /NDF: 530126.8/73

- sign 3196.474 $\pm$ 0.494 χ^2 /NDF: 246027.8/36

diff_bpm0l01Y_mean vs Slug



Right In: 9.887 $\pm$ 0.559 χ^2 /NDF: 703.6/16

Left Out: 9.653 $\pm$ 0.493 χ^2 /NDF: 653.7/19

Right Out: 0.346 $\pm$ 0.547 χ^2 /NDF: 628.9/18

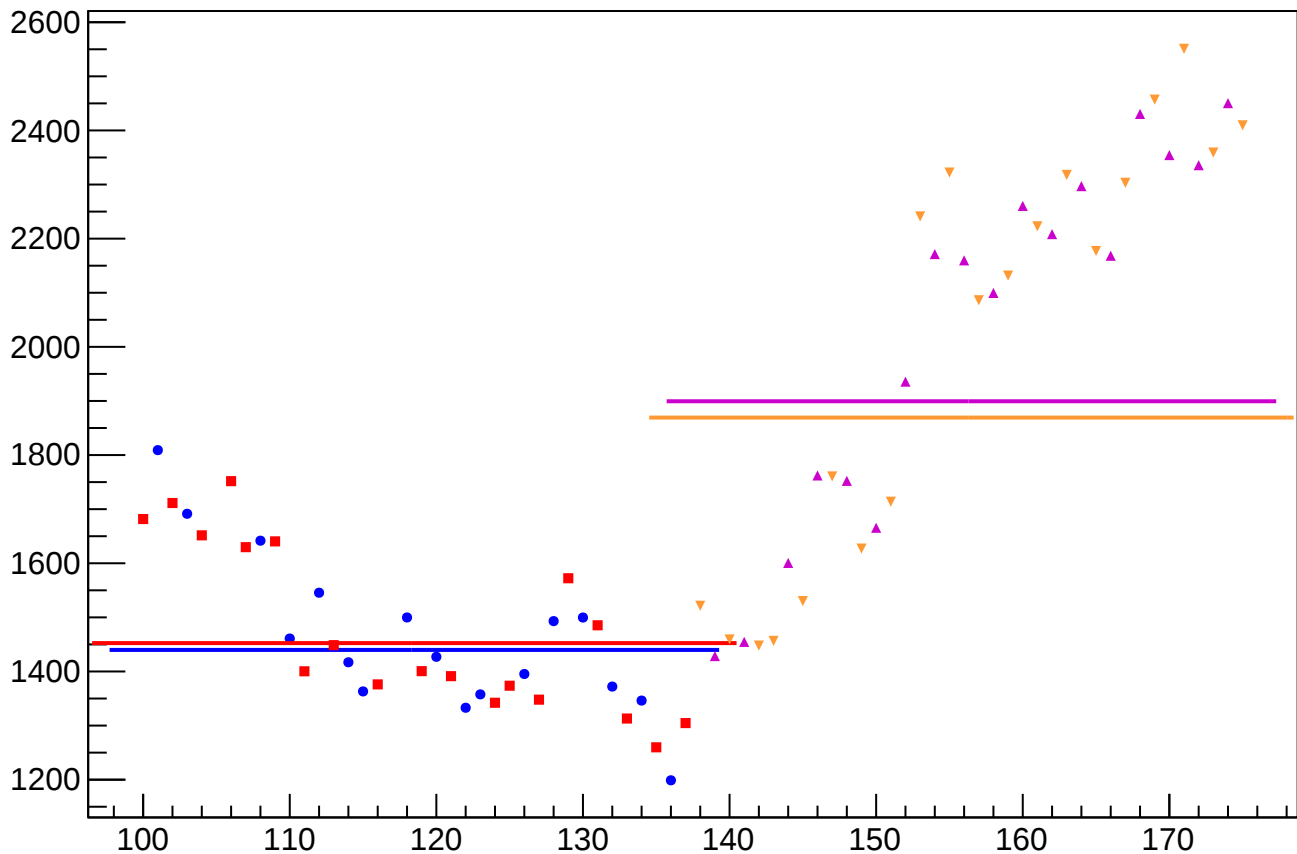
Left In: 11.813 $\pm$ 0.518 χ^2 /NDF: 689.7/17

+ sign 9.755 $\pm$ 0.370 χ^2 /NDF: 1357.5/36

All: 8.100 $\pm$ 0.264 χ^2 /NDF: 2948.4/73

- sign 6.387 $\pm$ 0.376 χ^2 /NDF: 1550.1/36

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1869.266 $\pm$ 0.348 χ^2 /NDF: 1178622.0/19

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

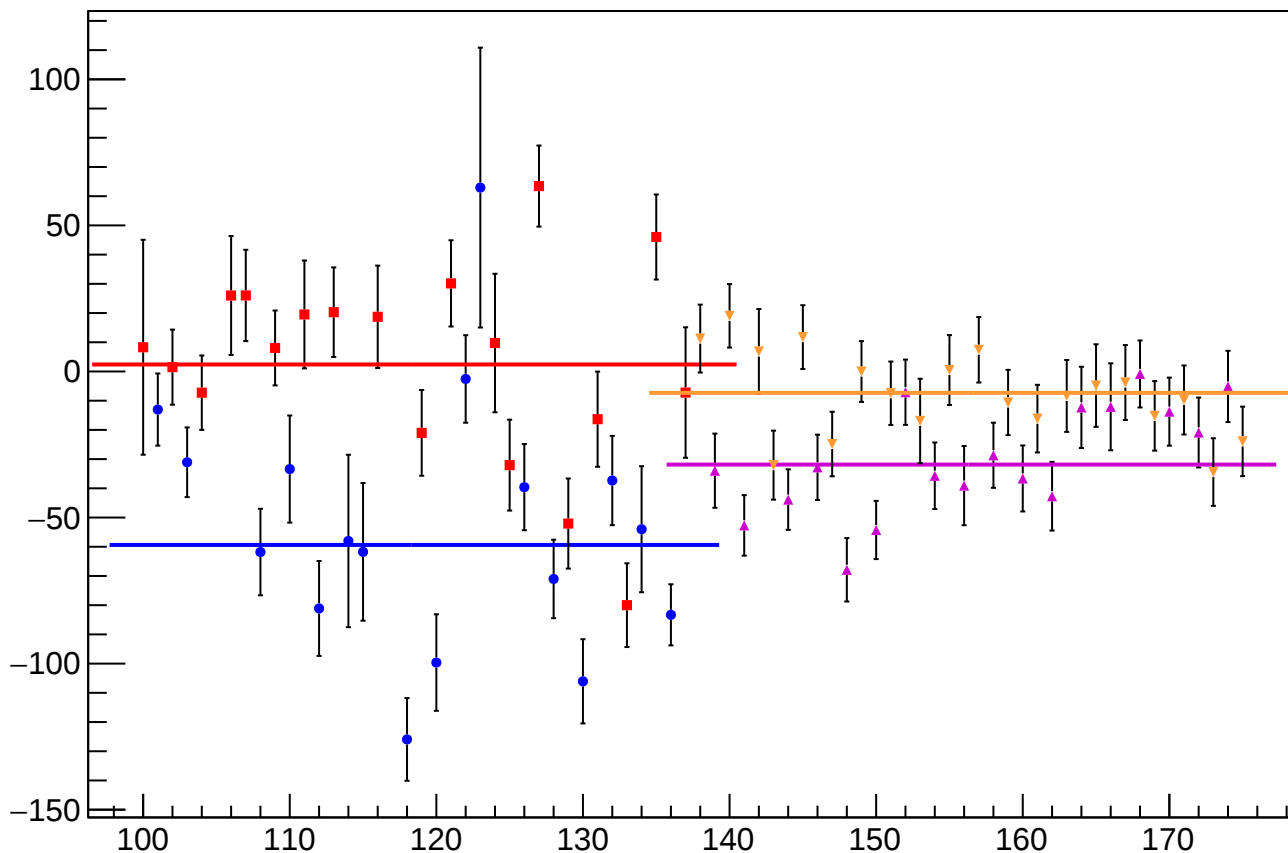
Left In: 1899.432 $\pm$ 0.366 χ^2 /NDF: 867471.6/17

+ sign 1681.729 $\pm$ 0.261 χ^2 /NDF: 2015190.9/36

All: 1684.772 $\pm$ 0.186 χ^2 /NDF: 3725292.4/73

- sign 1687.923 $\pm$ 0.266 χ^2 /NDF: 1709825.7/36

diff_bpm0l02X_mean vs Slug



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

Left Out: -7.309 ± 2.637 χ^2/NDF : 31.2/19

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

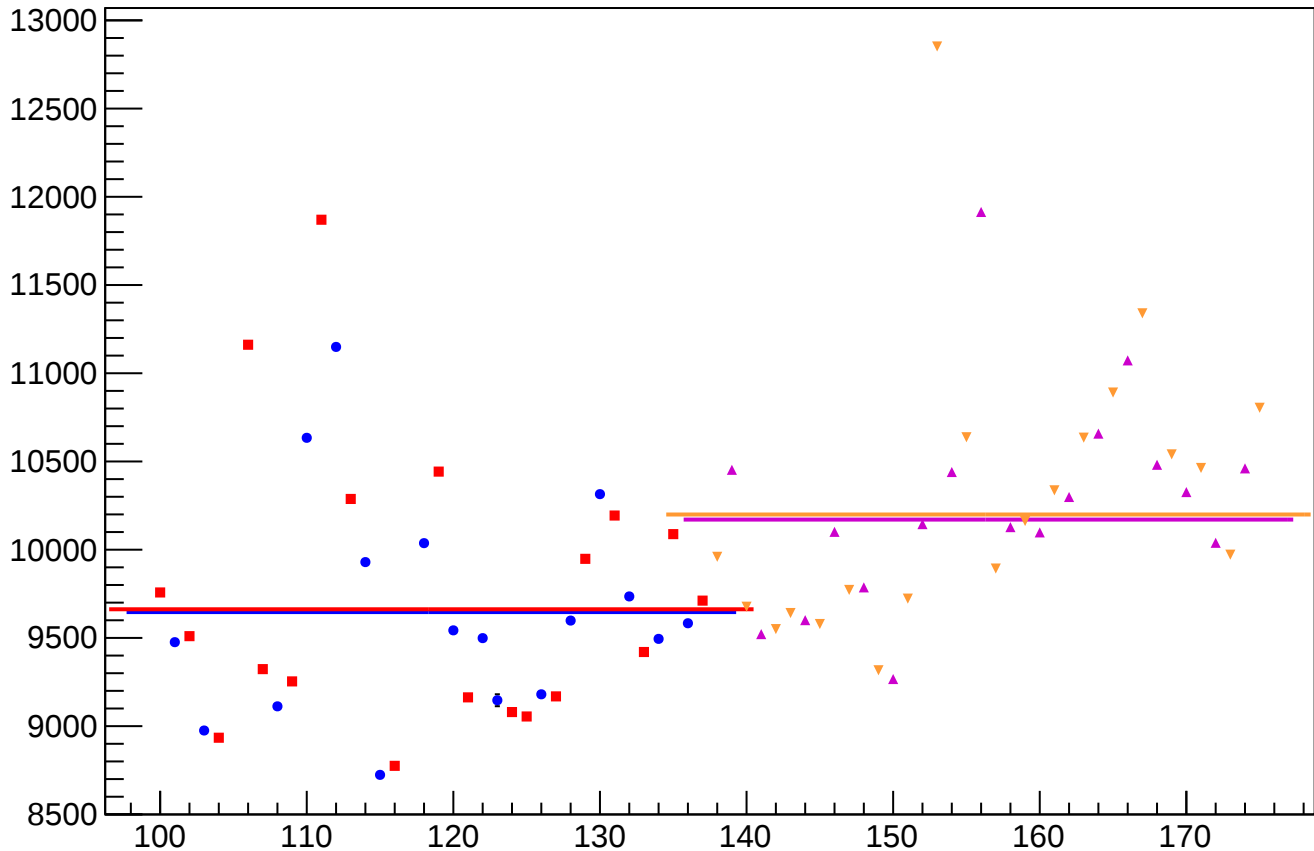
Left In: -31.870 ± 2.731 χ^2/NDF : 47.0/17

+ sign -24.668 ± 2.153 χ^2/NDF : 254.0/36

All: -22.111 ± 1.533 χ^2/NDF : 454.7/73

- sign -19.484 ± 2.182 χ^2/NDF : 197.8/36

diff_bpm0l02X_rms vs Slug



Right In: 9646.480 $\pm$ 2.637 χ^2 /NDF: 44060.3/16

Left Out: 10199.452 $\pm$ 1.865 χ^2 /NDF:145235.1/19

Right Out: 9662.363 $\pm$ 2.567 χ^2 /NDF: 77584.0/18

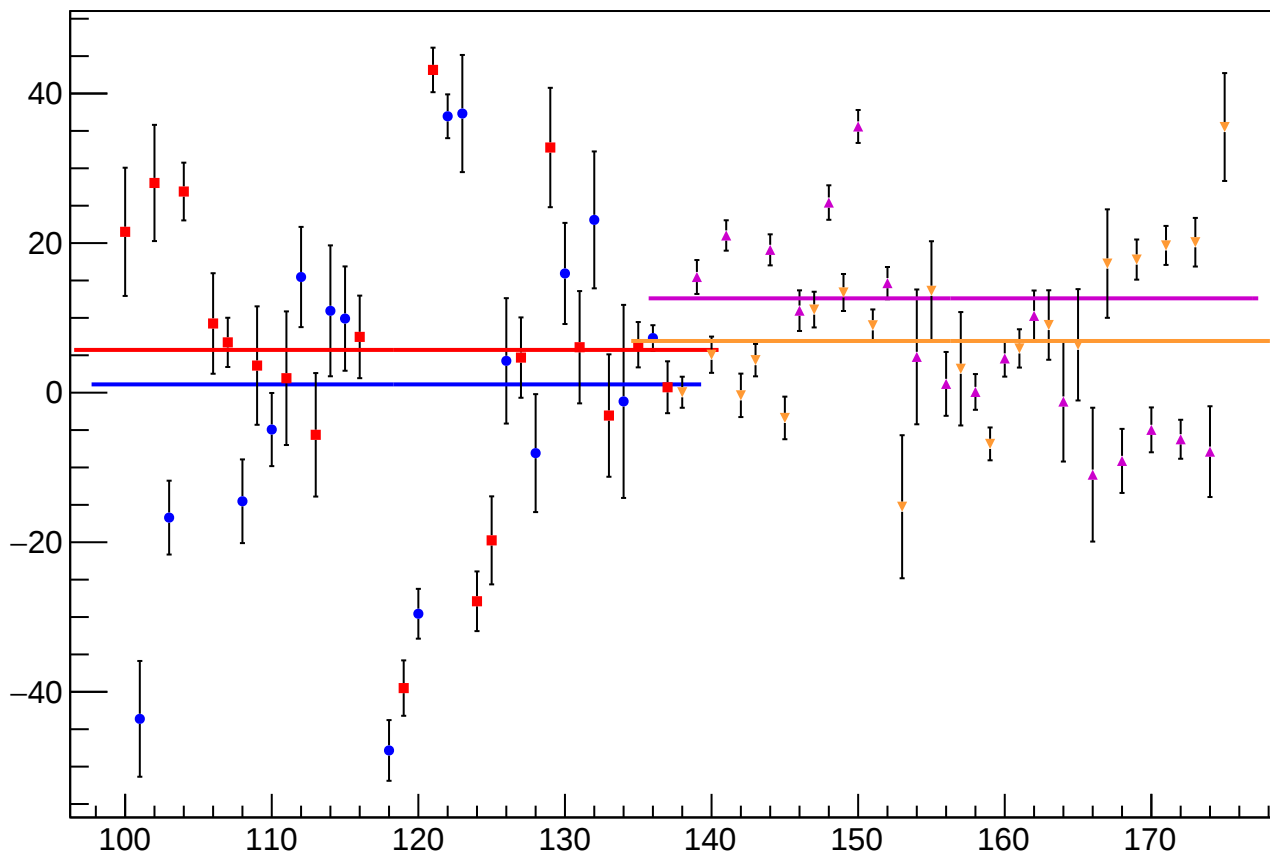
Left In: 10170.652 $\pm$ 1.931 χ^2 /NDF:81459.6/17

+ sign 10015.087 $\pm$ 1.522 χ^2 /NDF: 218614.6/36

All: 10001.176 $\pm$ 1.084 χ^2 /NDF: 402868.3/73

- sign 9986.884 $\pm$ 1.543 χ^2 /NDF: 184084.4/36

diff_bpm0l02Y_mean vs Slug



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

Left Out: 6.911 ± 0.658 χ^2/NDF : 164.1/19

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

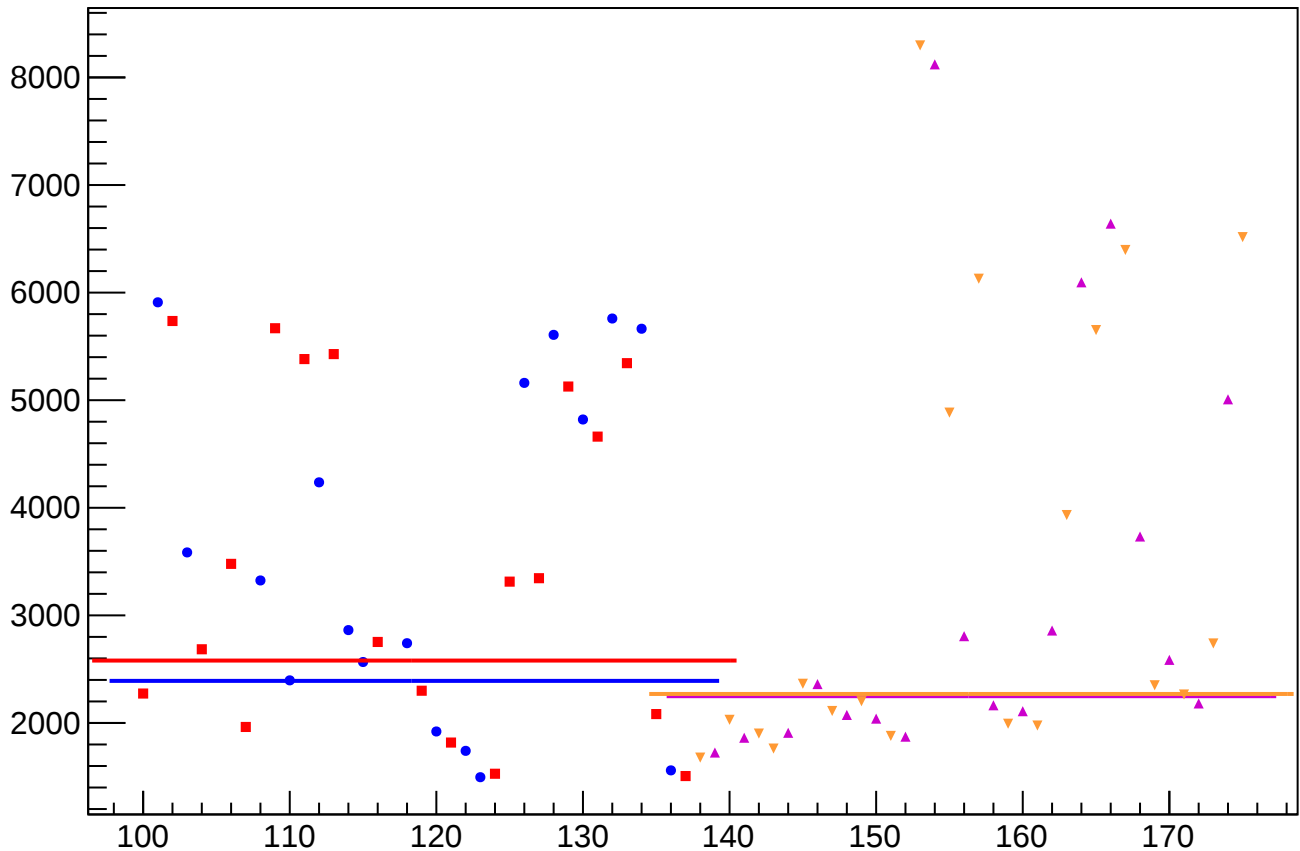
Left In: 12.612 ± 0.662 χ^2/NDF : 349.9/17

+ sign 5.312 ± 0.560 χ^2/NDF : 675.2/36

All: 8.003 ± 0.398 χ^2/NDF : 1557.0/73

- sign 10.756 ± 0.566 χ^2/NDF : 835.0/36

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2269.559+/-0.465 χ^2/NDF : 4139014.2/19

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

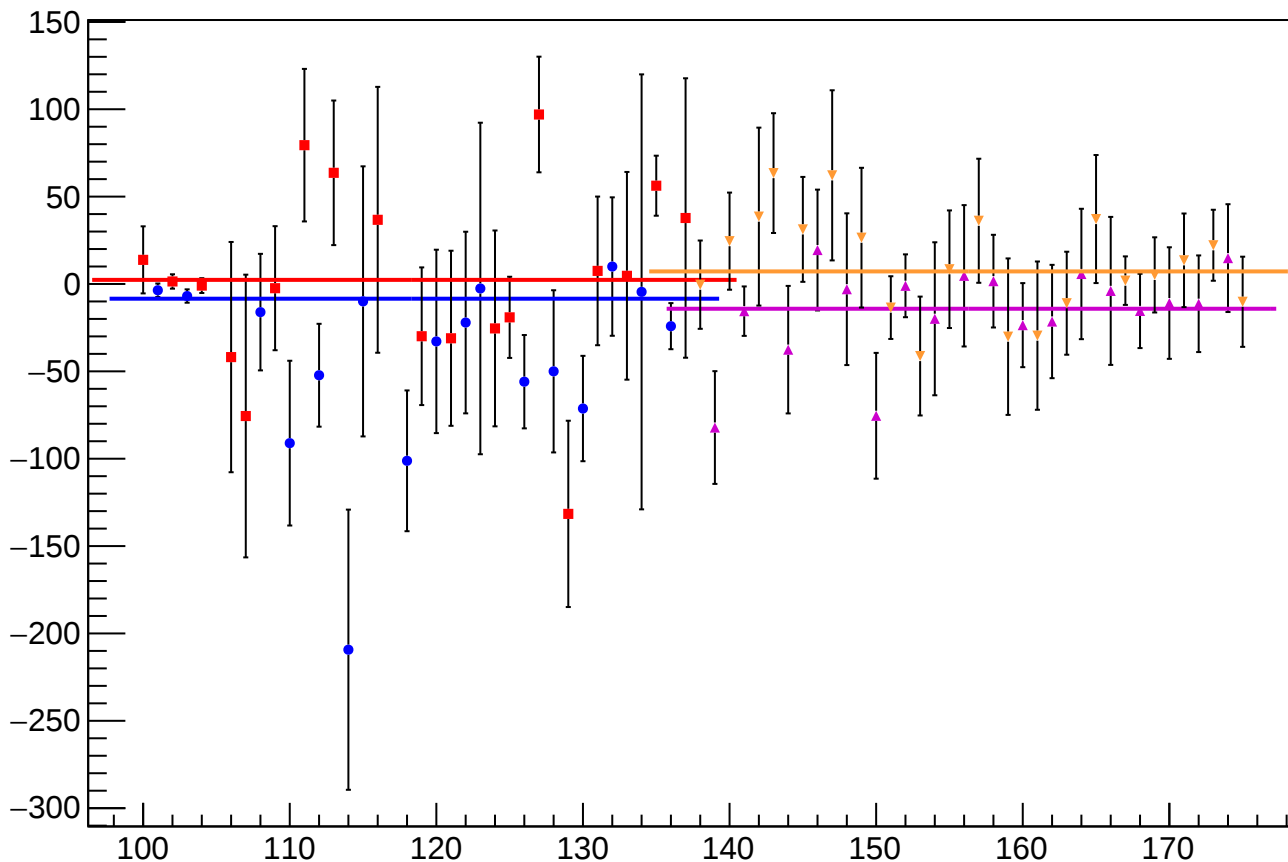
Left In: 2248.888+/-0.468 χ^2/NDF : 2905338.3/17

+ sign 2303.063+/-0.396 χ^2/NDF : 6758400.3/36

All: 2320.350+/-0.281 χ^2/NDF : 12167500.5/7

- sign 2338.030+/-0.400 χ^2/NDF : 5405242.1/36

diff_bpm0l03X_mean vs Slug



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

Left Out: 7.191 ± 6.028 χ^2/NDF : 13.4/19

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

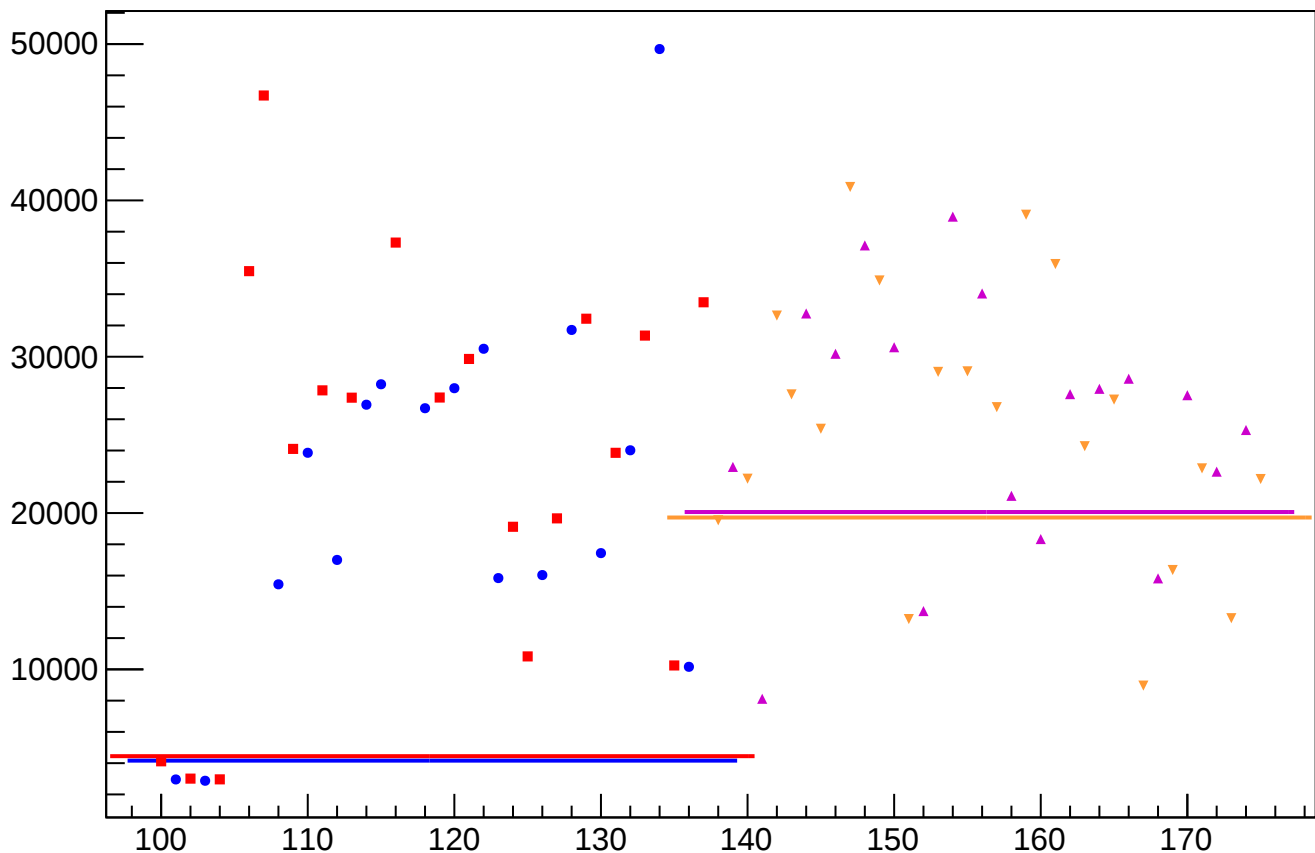
Left In: -14.177 ± 6.455 χ^2/NDF : 11.3/17

+ sign -6.000 ± 2.378 χ^2/NDF : 48.0/36

All: -3.334 ± 1.742 χ^2/NDF : 102.2/73

- sign -0.248 ± 2.559 χ^2/NDF : 51.5/36

diff_bpm0l03X_rms vs Slug



Right In: 4162.318+/-1.830 χ^2/NDF : 5990070.5/16

Left Out: 19714.378+/-4.262 χ^2/NDF : 3927368.0/19

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

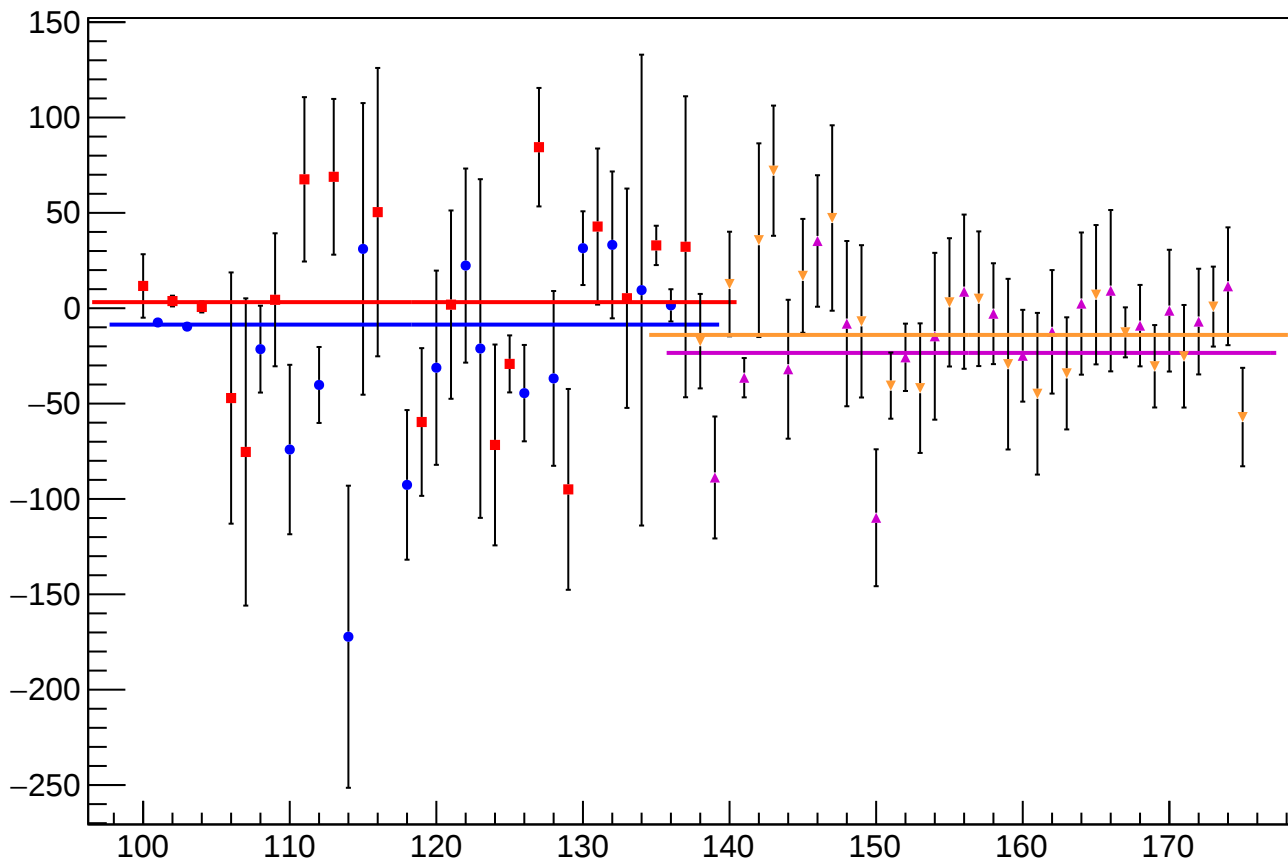
Left In: 20065.876+/-4.564 χ^2/NDF : 3752277.9/17

+ sign 6581.924+/-1.681 χ^2/NDF : 21159025.1/36

All: 6729.752+/-1.232 χ^2/NDF : 42224438.7/7

- sign 6900.933+/-1.809 χ^2/NDF : 21048729.8/36

diff_bpm0l03Y_mean vs Slug



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

Left Out: -13.990 ± 5.940 χ^2/NDF : 20.1/19

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

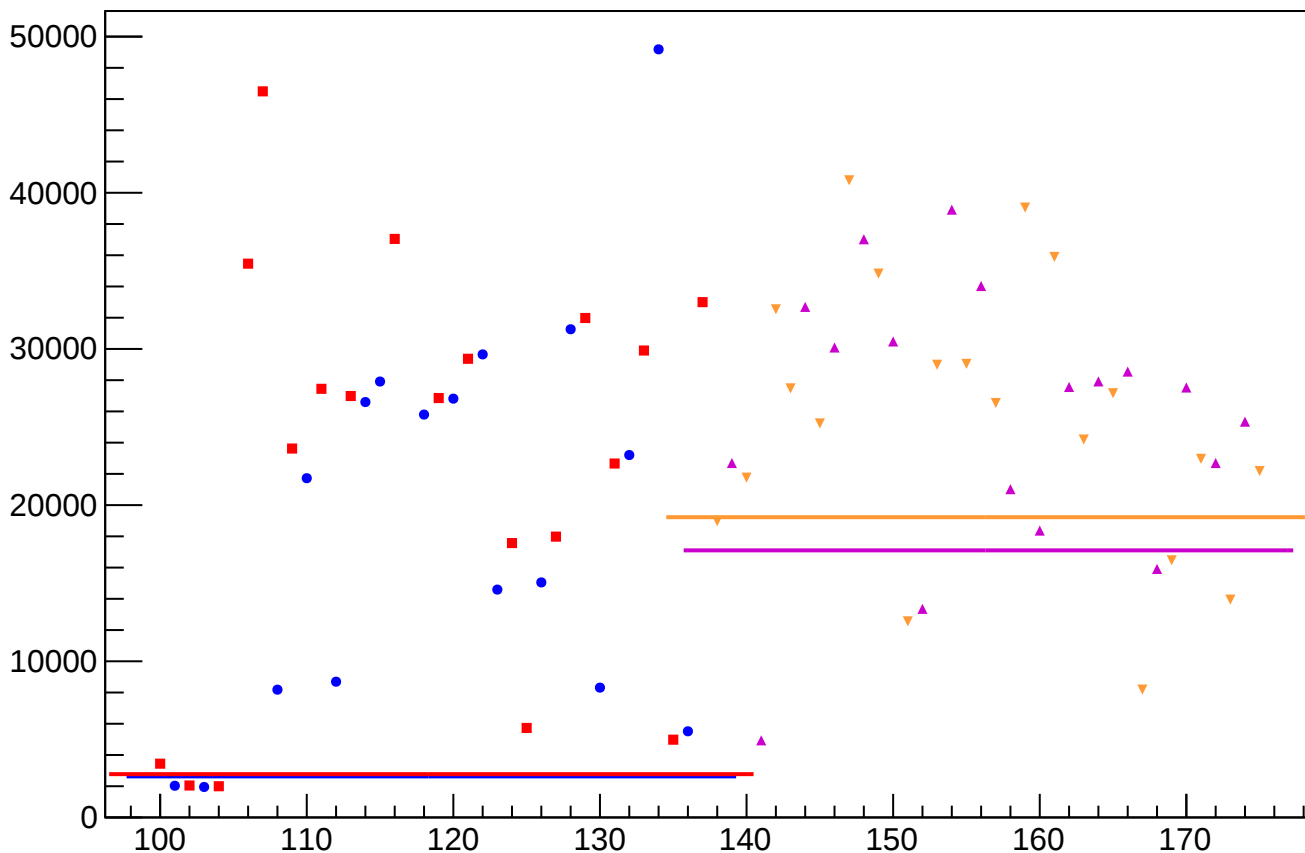
Left In: -23.425 ± 5.919 χ^2/NDF : 19.7/17

+ sign -9.031 ± 1.703 χ^2/NDF : 45.2/36

All: -4.531 ± 1.246 χ^2/NDF : 135.1/73

- sign 0.654 ± 1.828 χ^2/NDF : 74.9/36

diff_bpm0l03Y_rms vs Slug



Right In: 2630.547+/-1.257 χ^2/NDF : 5588981.6/16

Left Out: 19226.425+/-4.200 χ^2/NDF : 4264263.3/19

Right Out: 2773.446+/-1.359 χ^2/NDF : 7835878.7/18

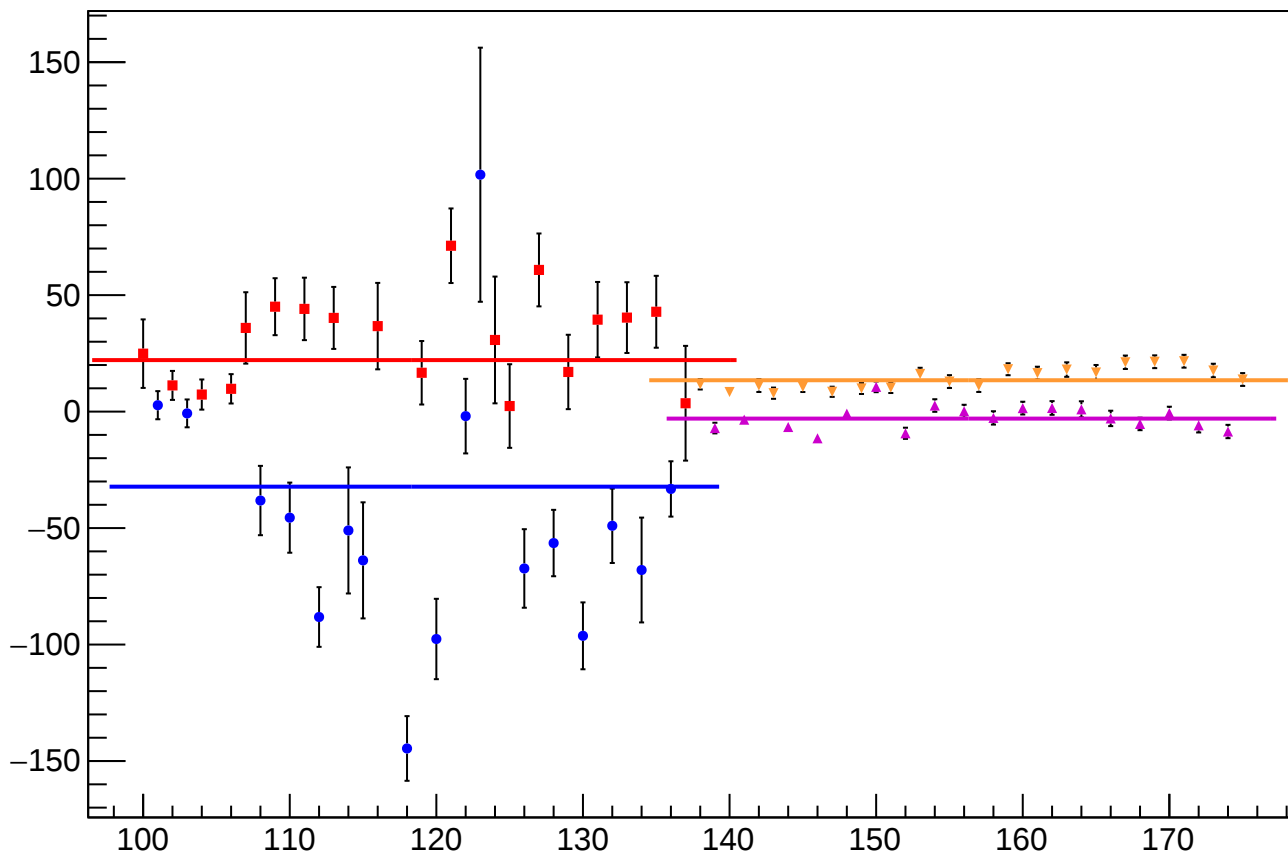
Left In: 17102.309+/-4.185 χ^2/NDF : 6151462.1/17

+ sign 3994.752+/-1.204 χ^2/NDF : 24180645.8/36

All: 4062.494+/-0.881 χ^2/NDF : 48777842.5/7

- sign 4140.554+/-1.293 χ^2/NDF : 24590386.6/36

diff_bpm0l04X_mean vs Slug



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

Left Out: 13.461 ± 0.576 χ^2/NDF : 58.8/19

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

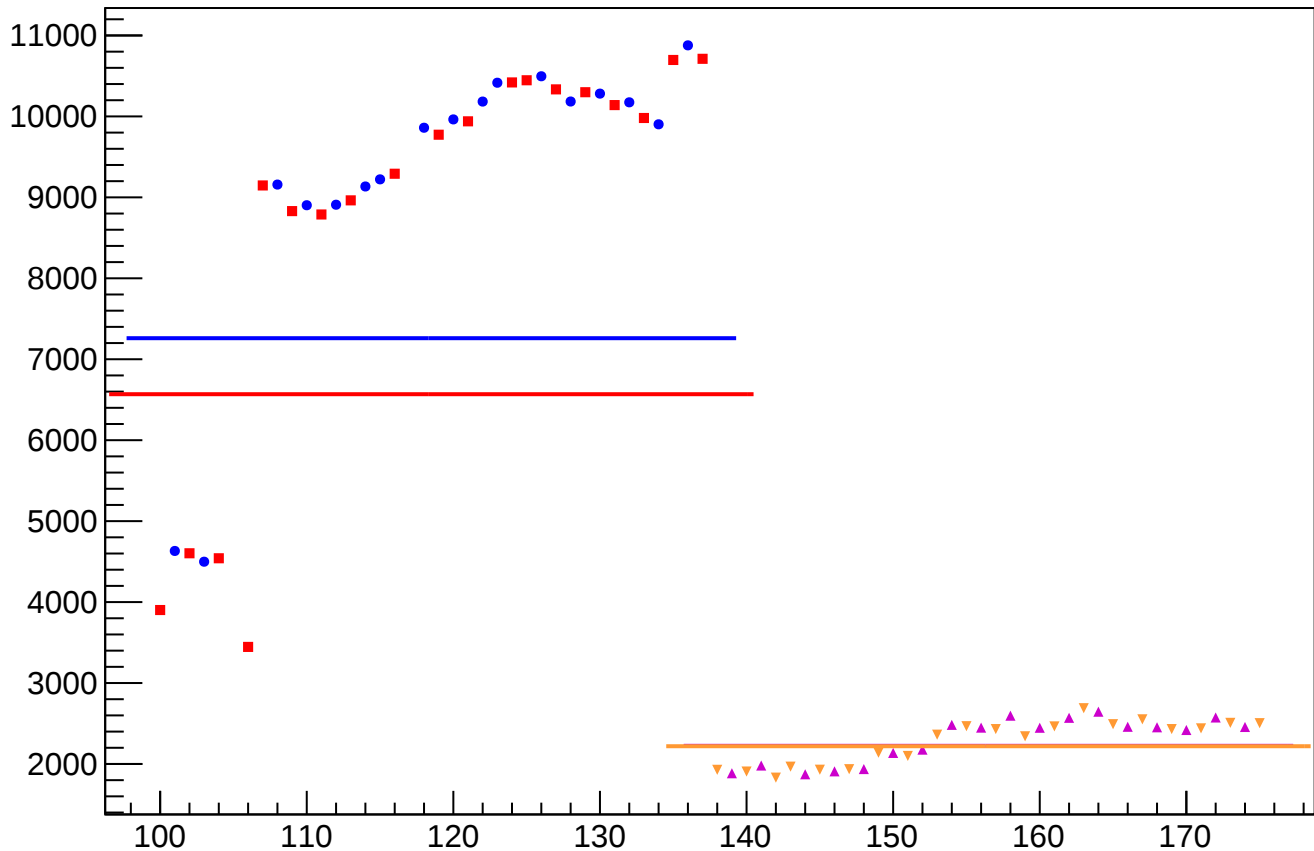
Left In: -3.005 ± 0.601 χ^2/NDF : 83.7/17

+ sign 11.815 ± 0.566 χ^2/NDF : 488.8/36

All: 5.252 ± 0.407 χ^2/NDF : 979.3/73

- sign -1.793 ± 0.586 χ^2/NDF : 211.6/36

diff_bpm0l04X_rms vs Slug



Right In: 7260.081+/-2.108 χ^2/NDF : 1636373.2/16

Left Out: 2219.222+/-0.408 χ^2/NDF : 418744.3/19

Right Out: 6568.180+/-1.887 χ^2/NDF : 2196546.0/18

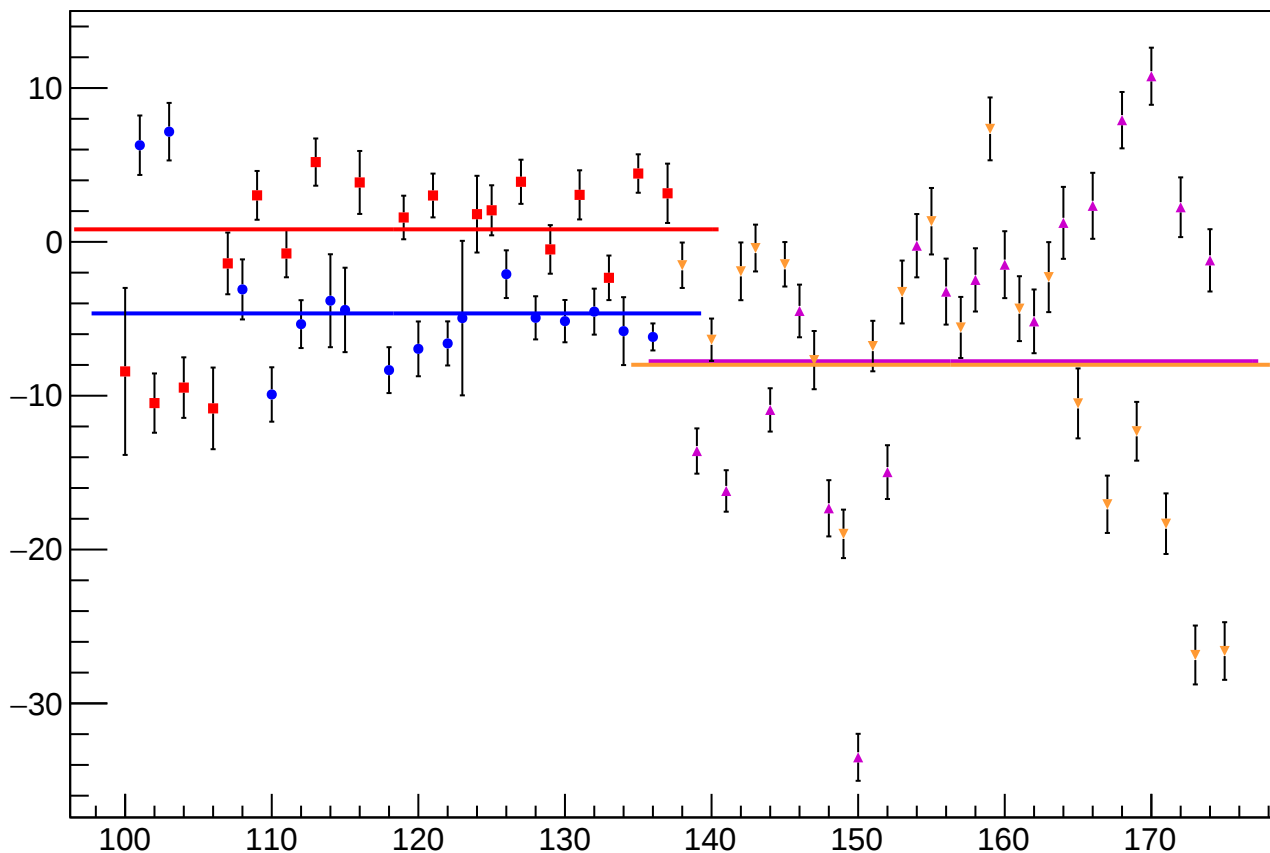
Left In: 2224.254+/-0.425 χ^2/NDF : 424078.9/17

+ sign 2400.844+/-0.400 χ^2/NDF : 7566525.3/36

All: 2416.761+/-0.288 χ^2/NDF : 15231483.2/7

- sign 2433.847+/-0.415 χ^2/NDF : 7661677.4/36

diff_bpm0l04Y_mean vs Slug



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

Left Out: -7.989 ± 0.403 χ^2/NDF : 470.0/19

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

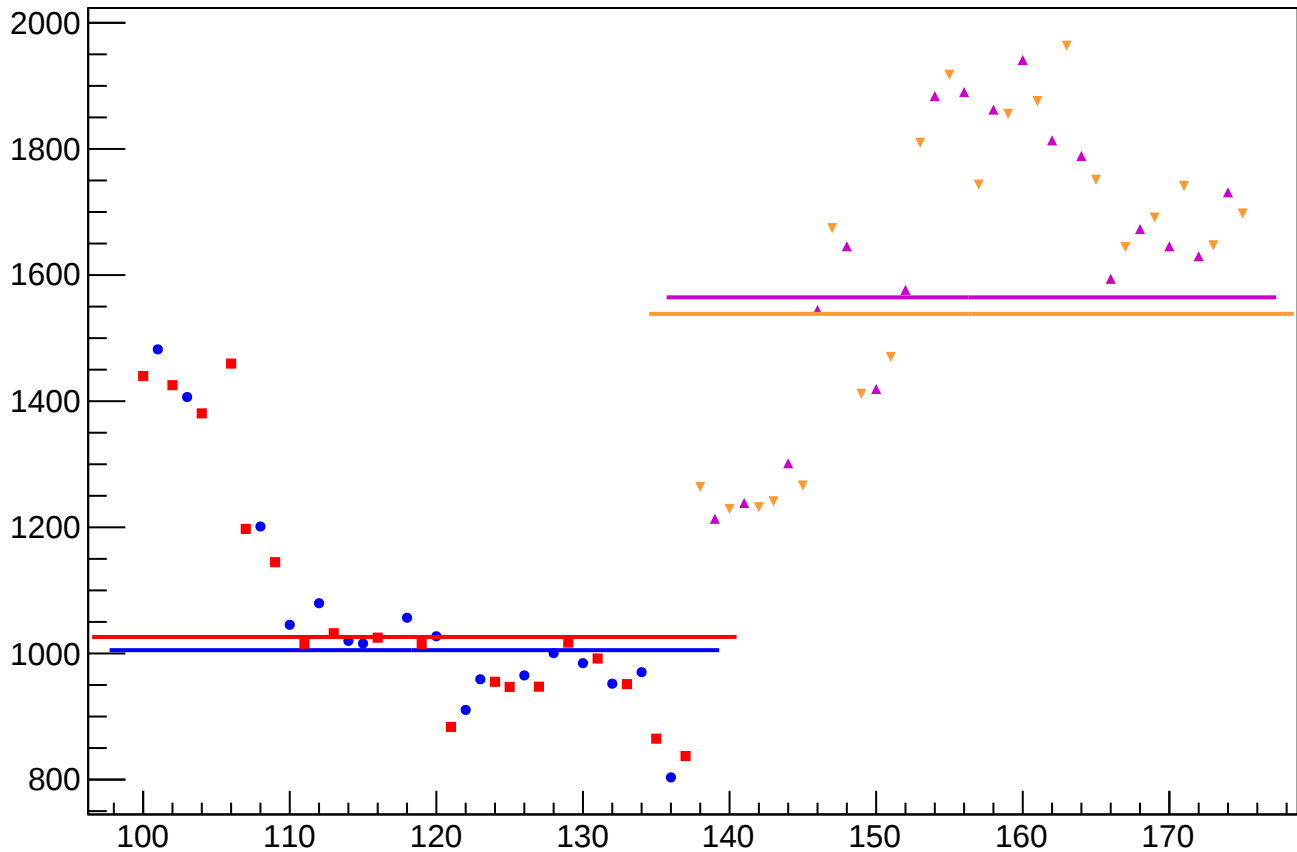
Left In: -7.760 ± 0.425 χ^2/NDF : 673.1/17

+ sign -6.278 ± 0.281 χ^2/NDF : 602.8/36

All: -4.716 ± 0.201 χ^2/NDF : 1684.5/73

- sign -3.092 ± 0.287 χ^2/NDF : 1018.7/36

diff_bpm0l04Y_rms vs Slug



Right In: 1005.227 $\pm$ 0.278 χ^2 /NDF: 361954.2/16

Left Out: 1538.494 $\pm$ 0.285 χ^2 /NDF: 763485.1/19

Right Out: 1026.158 $\pm$ 0.275 χ^2 /NDF: 333119.0/18

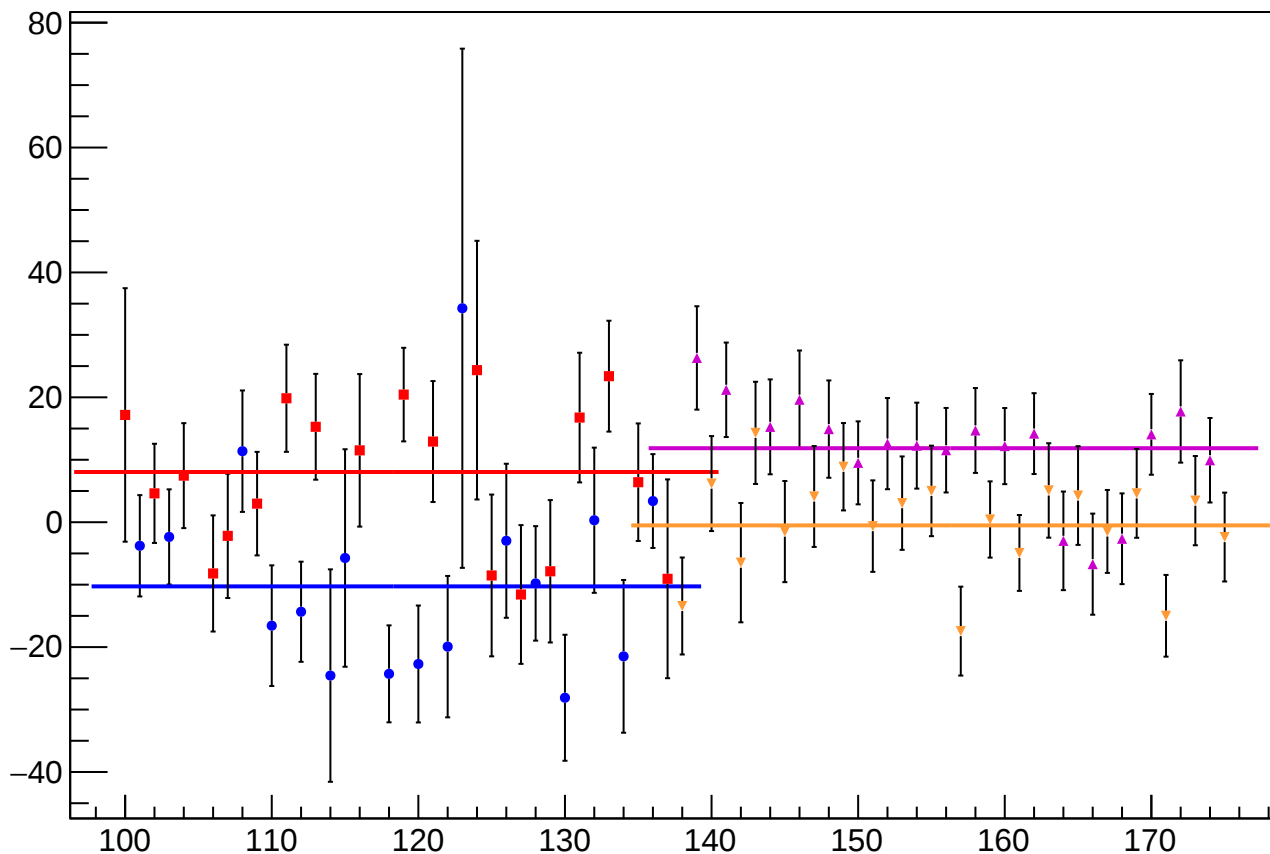
Left In: 1564.671 $\pm$ 0.300 χ^2 /NDF: 593300.8/17

+ sign 1265.155 $\pm$ 0.199 χ^2 /NDF: 2923767.0/36

All: 1268.265 $\pm$ 0.142 χ^2 /NDF: 5601390.3/73

- sign 1271.498 $\pm$ 0.203 χ^2 /NDF: 2677124.0/36

diff_bpm0l05X_mean vs Slug



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

Left Out: -0.509 ± 1.625 χ^2/NDF : 23.1/19

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

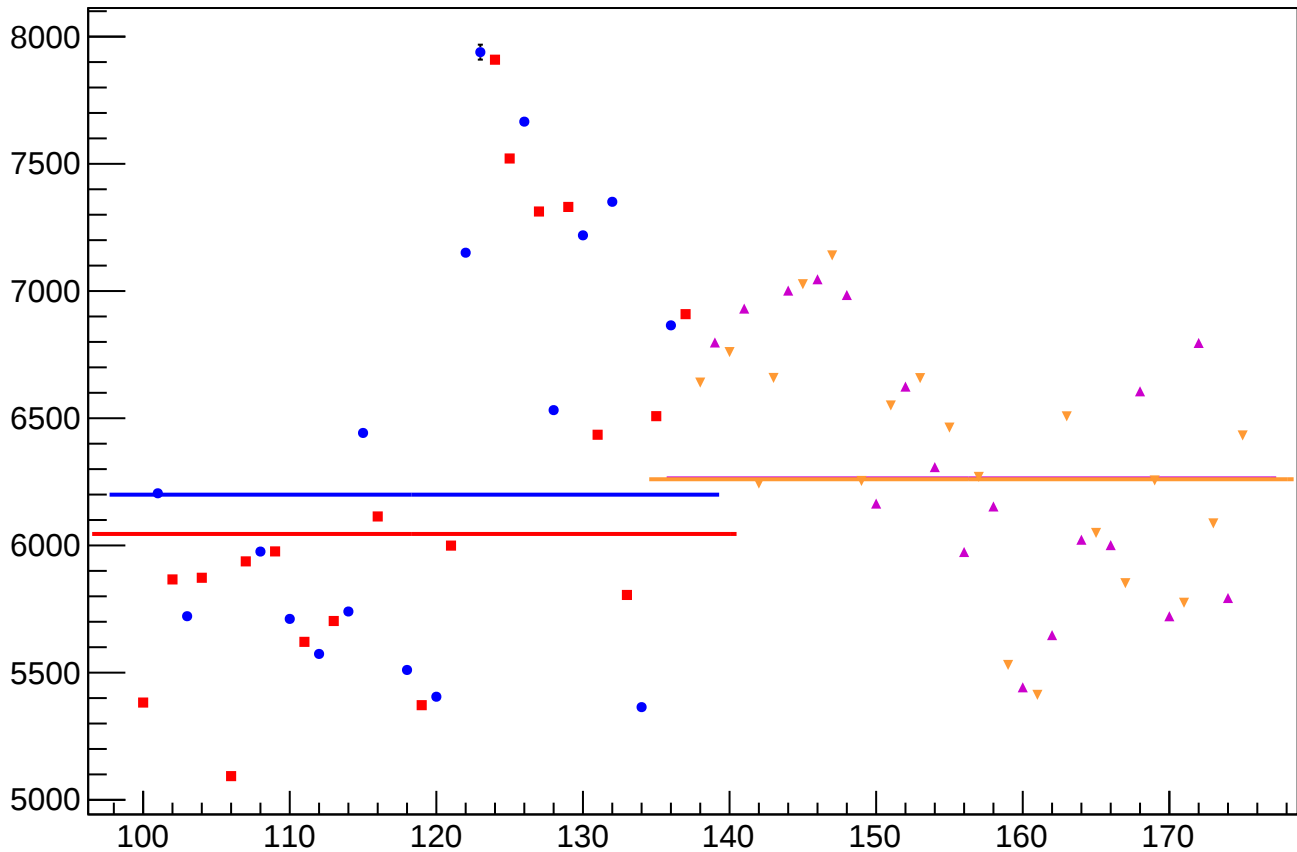
Left In: 11.851 ± 1.691 χ^2/NDF : 19.8/17

+ sign -3.566 ± 1.347 χ^2/NDF : 57.9/36

All: 3.409 ± 0.956 χ^2/NDF : 156.4/73

- sign 10.497 ± 1.358 χ^2/NDF : 44.4/36

diff_bpm0l05X_rms vs Slug



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

Left Out: 6260.176 $\pm$ 1.149 χ^2 /NDF: 162156.2/19

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

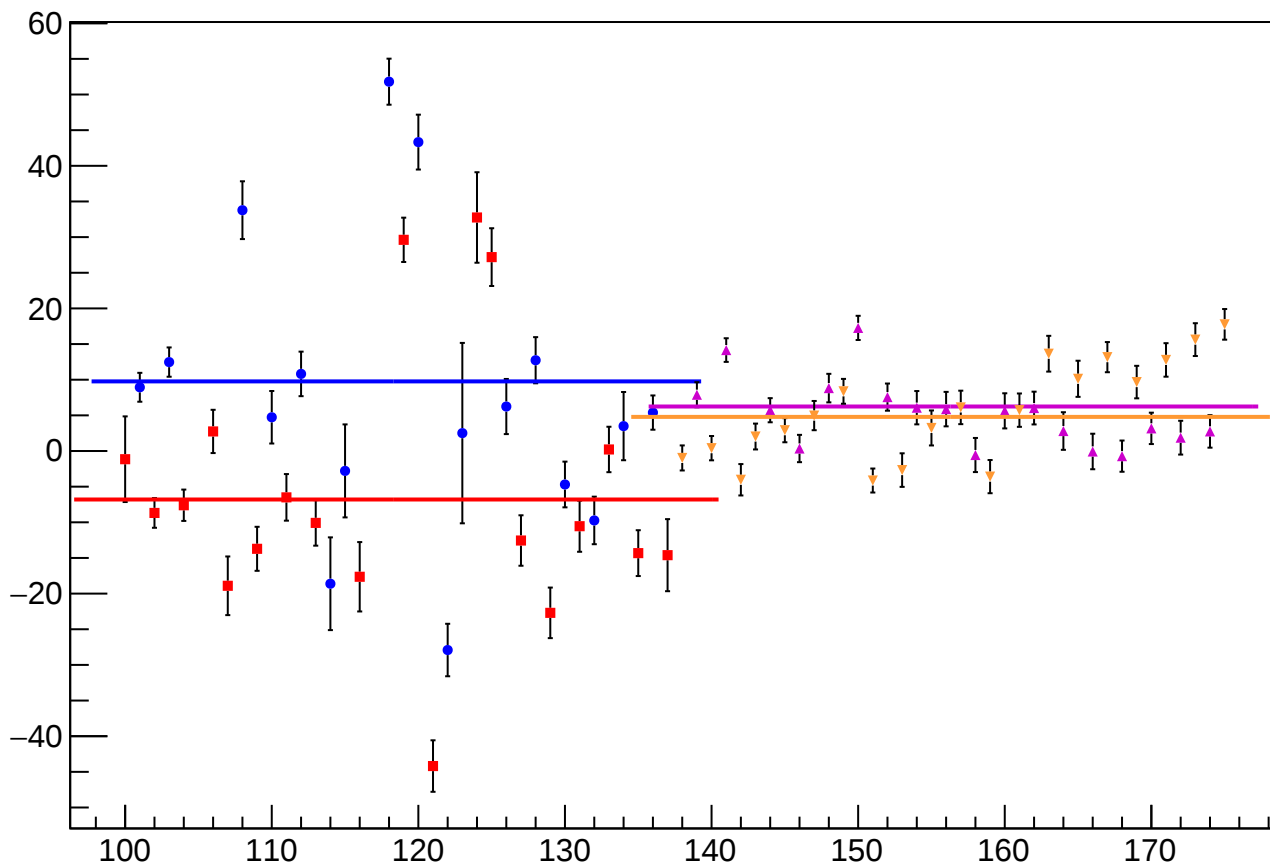
Left In: 6263.580 $\pm$ 1.196 χ^2 /NDF: 184144.1/17

+ sign 6241.222 $\pm$ 0.953 χ^2 /NDF: 334785.8/36

All: 6213.830 $\pm$ 0.676 χ^2 /NDF: 690769.7/73

- sign 6185.989 $\pm$ 0.960 χ^2 /NDF: 354316.3/36

diff_bpm0l05Y_mean vs Slug



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

Left Out: 4.786 ± 0.463 χ^2/NDF : 200.6/19

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

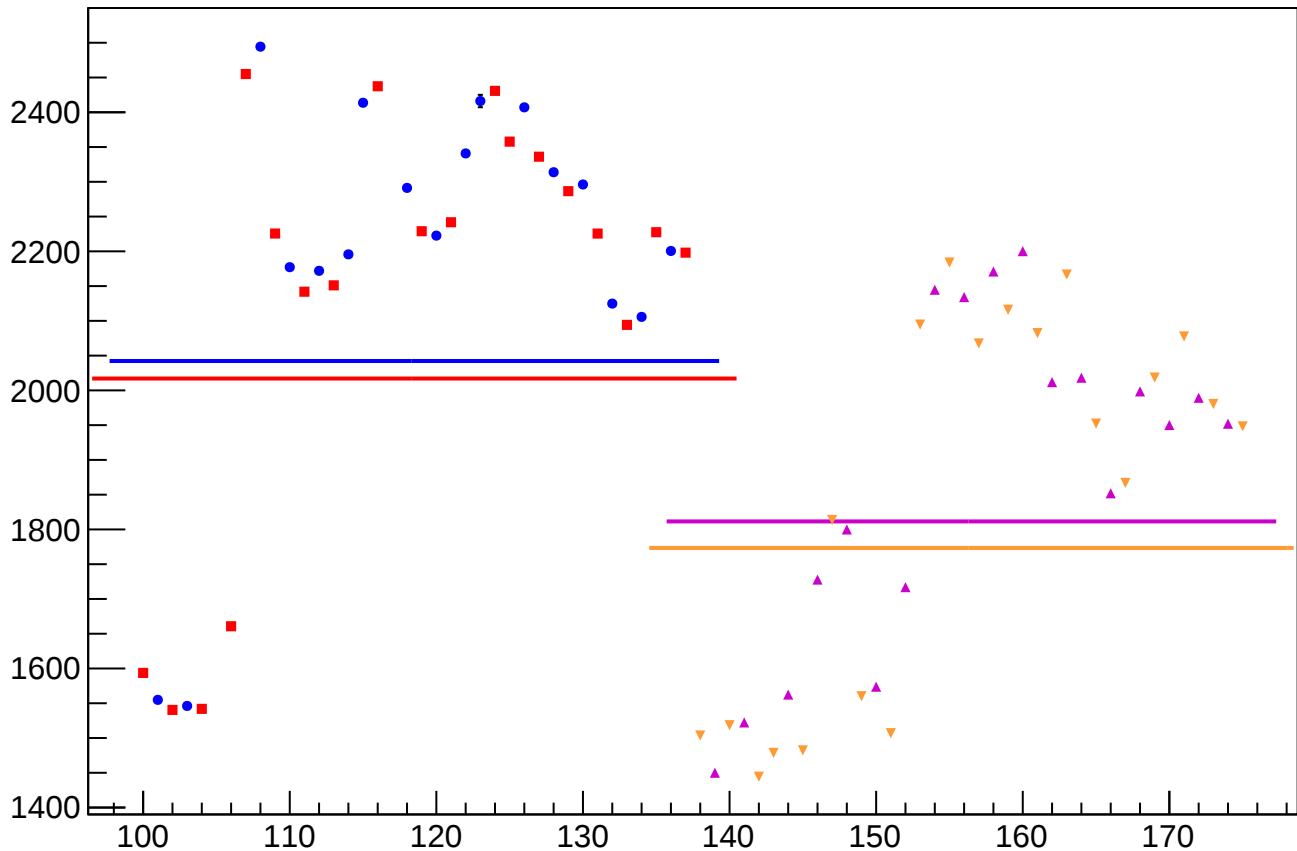
Left In: 6.242 ± 0.491 χ^2/NDF : 111.7/17

+ sign 6.043 ± 0.400 χ^2/NDF : 703.6/36

All: 4.297 ± 0.287 χ^2/NDF : 1482.5/73

- sign 2.440 ± 0.413 χ^2/NDF : 739.7/36

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1773.420+/-0.327 χ^2/NDF : 681667.9/19

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

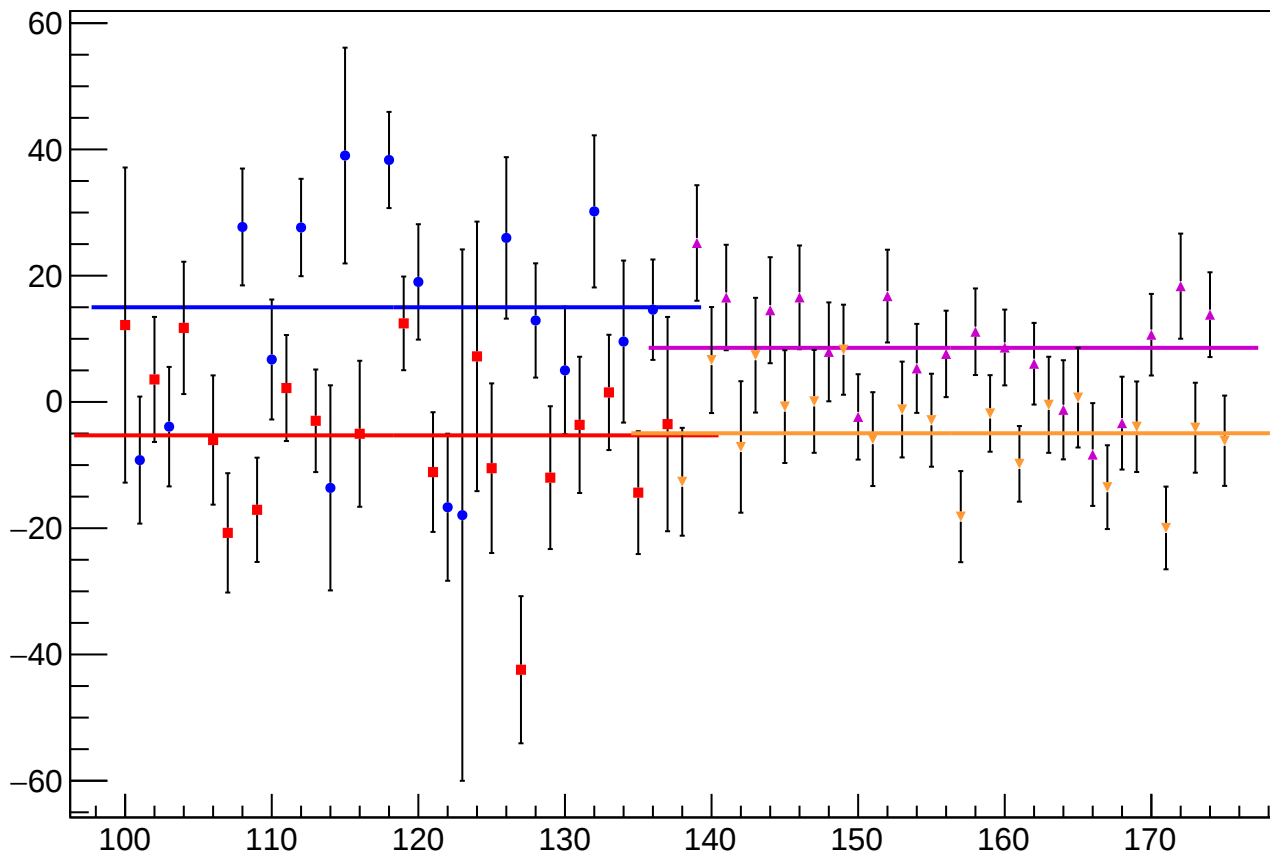
Left In: 1811.539+/-0.347 χ^2/NDF : 477366.3/17

+ sign 1841.309+/-0.283 χ^2/NDF : 1208665.2/36

All: 1855.912+/-0.203 χ^2/NDF : 2169451.5/73

- sign 1871.441+/-0.292 χ^2/NDF : 955297.3/36

diff_bpm0l06X_mean vs Slug



Right In: 14.997 ± 2.485 $\chi^2/\text{NDF}: 41.3/16$

Left Out: -4.960 ± 1.660 $\chi^2/\text{NDF}: 21.1/19$

Right Out: -5.291 ± 2.357 $\chi^2/\text{NDF}: 28.1/18$

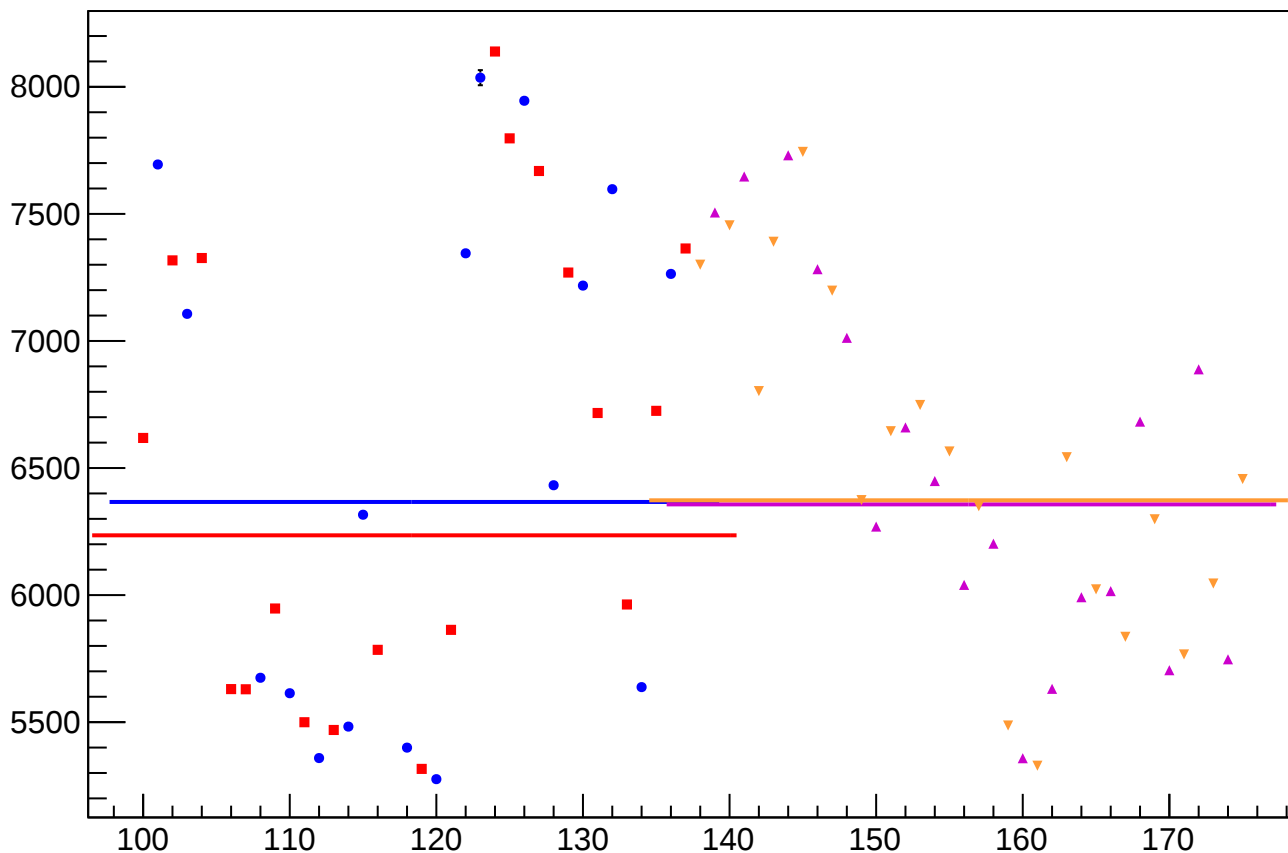
Left In: 8.570 ± 1.723 $\chi^2/\text{NDF}: 20.6/17$

+ sign 1.199 ± 1.381 $\chi^2/\text{NDF}: 107.0/36$

All: 2.461 ± 0.980 $\chi^2/\text{NDF}: 179.9/73$

- sign -3.742 ± 1.391 $\chi^2/\text{NDF}: 71.2/36$

diff_bpm0l06X_rms vs Slug



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

Left Out: 6372.982+/-1.174 χ^2/NDF : 305229.6/19

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

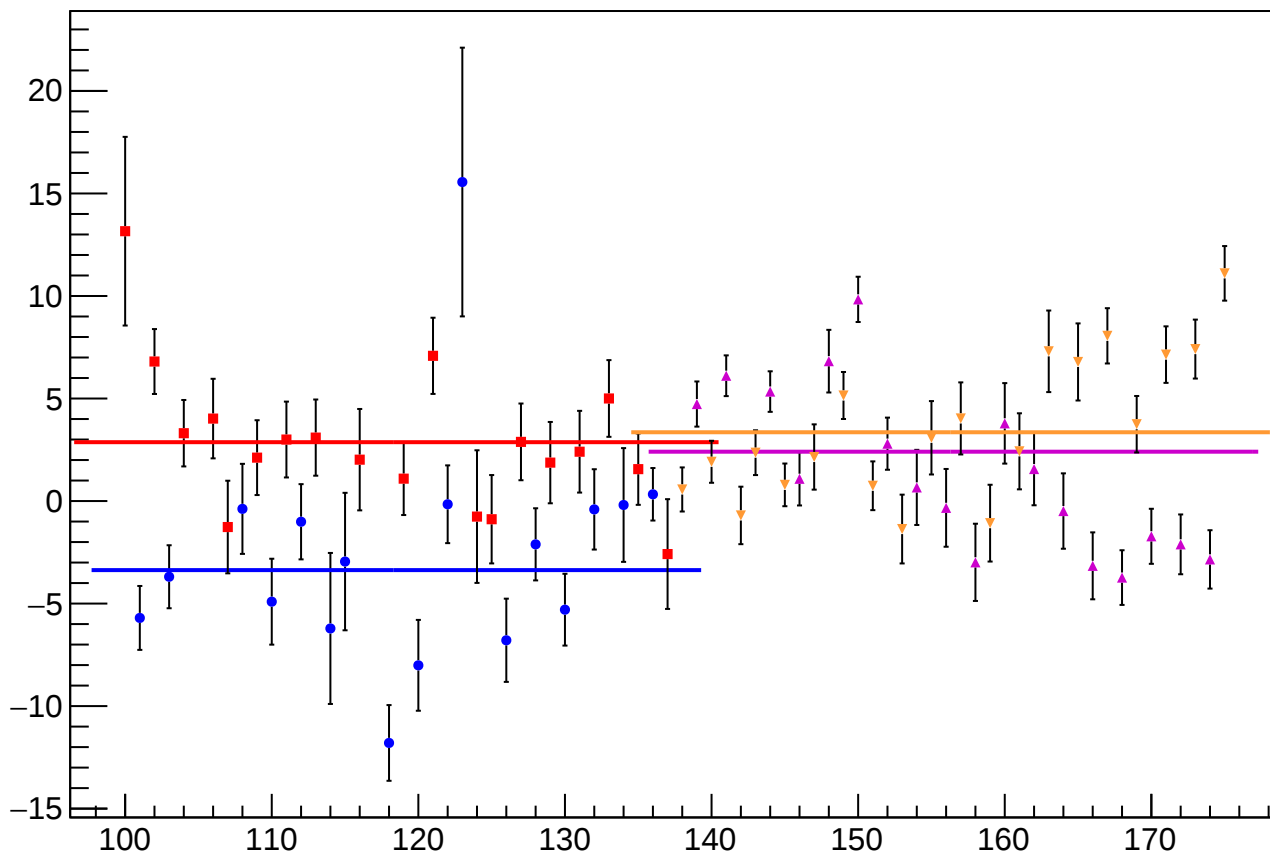
Left In: 6356.978+/-1.219 χ^2/NDF : 318894.0/17

+ sign 6370.979+/-0.976 χ^2/NDF : 591733.5/36

All: 6342.982+/-0.693 χ^2/NDF : 1158968.2/73

- sign 6314.556+/-0.984 χ^2/NDF : 565577.4/36

diff_bpm0l06Y_mean vs Slug



Right In: -3.368 ± 0.476 $\chi^2/\text{NDF}: 59.9/16$

Left Out: 3.355 ± 0.306 $\chi^2/\text{NDF}: 114.7/19$

Right Out: 2.871 ± 0.456 $\chi^2/\text{NDF}: 32.0/18$

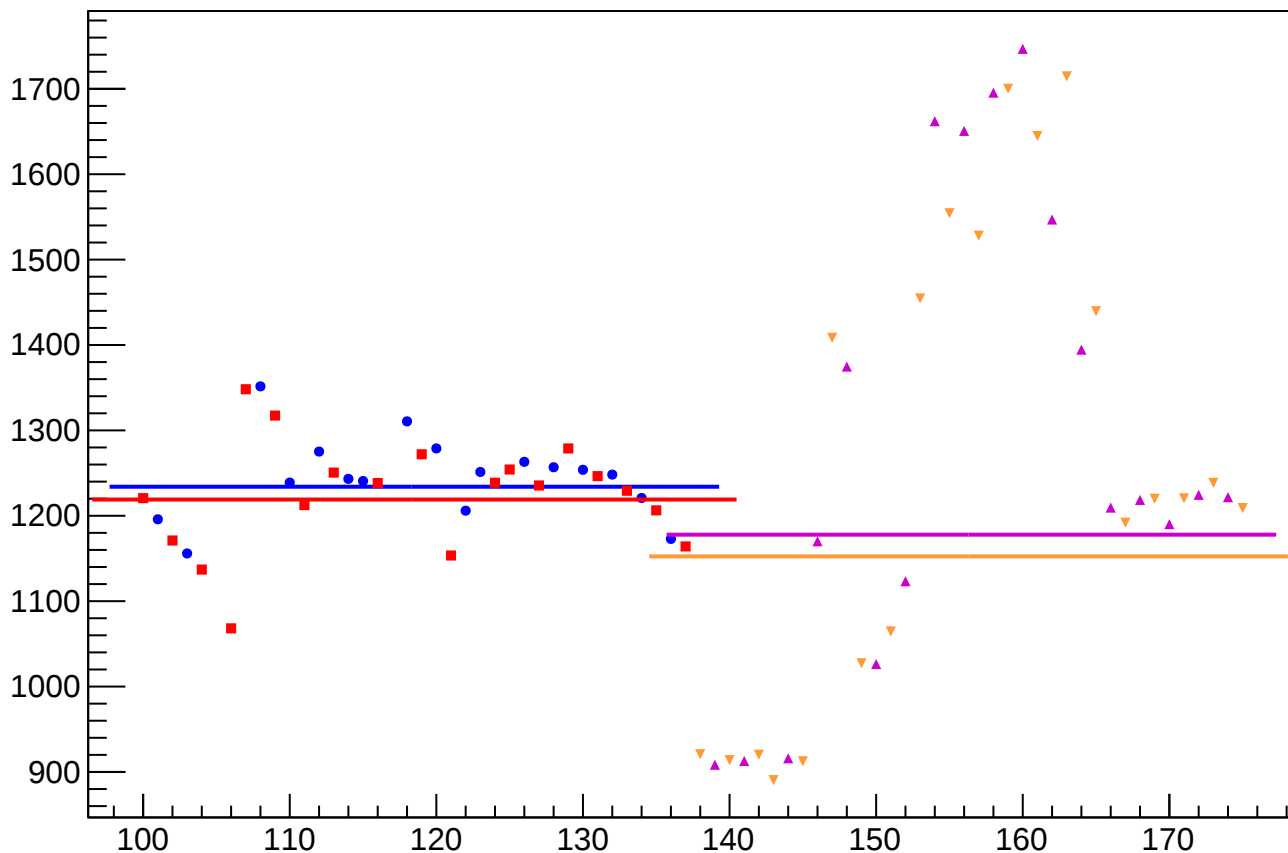
Left In: 2.407 ± 0.324 $\chi^2/\text{NDF}: 161.8/17$

+ sign 1.390 ± 0.257 $\chi^2/\text{NDF}: 316.0/36$

All: 1.960 ± 0.184 $\chi^2/\text{NDF}: 520.7/73$

- sign 2.562 ± 0.264 $\chi^2/\text{NDF}: 194.6/36$

diff_bpm0l06Y_rms vs Slug



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

Left Out: 1152.422 $\pm$ 0.216 χ^2 /NDF: 1361962.1/19

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

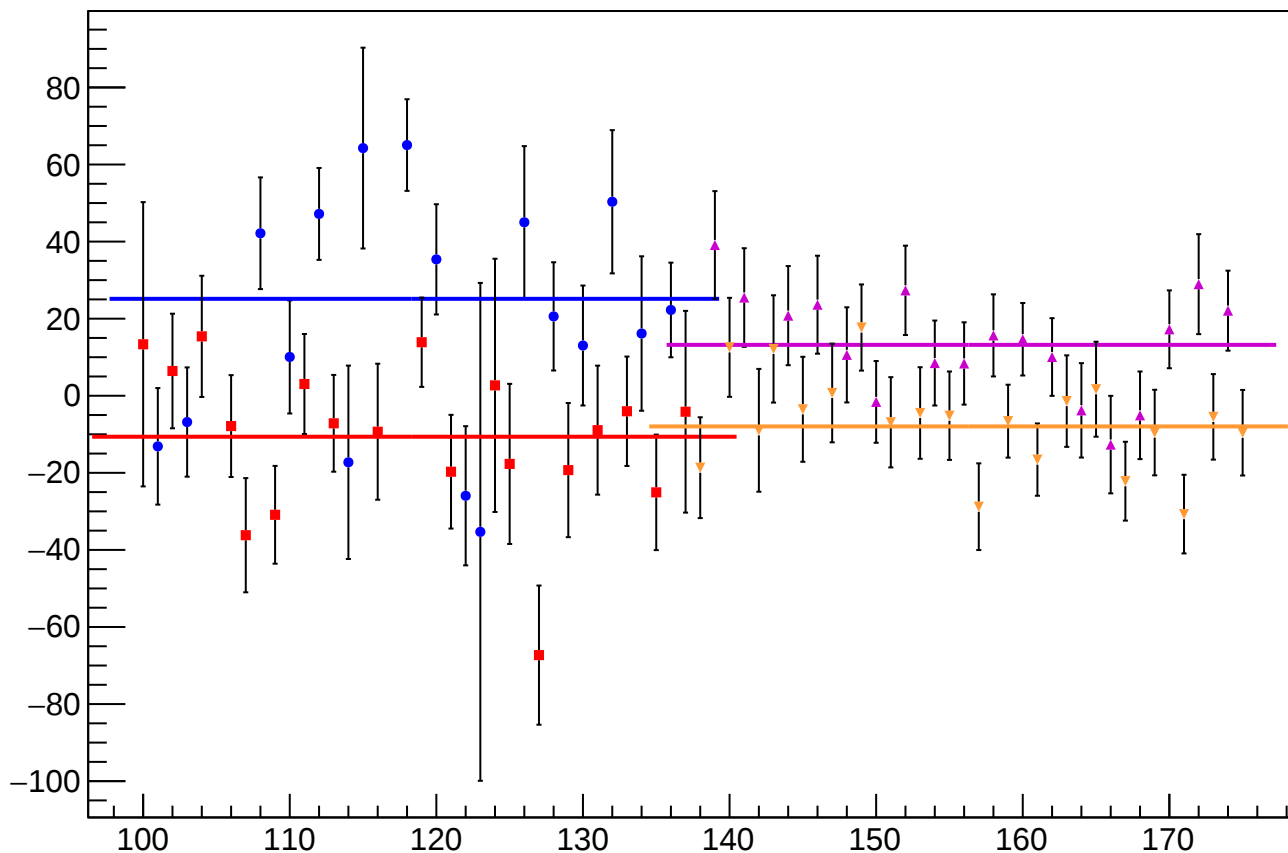
Left In: 1177.878 $\pm$ 0.229 χ^2 /NDF: 1182050.0/17

+ sign 1176.276 $\pm$ 0.182 χ^2 /NDF: 1427216.4/36

All: 1183.767 $\pm$ 0.130 χ^2 /NDF: 2663941.4/73

- sign 1191.686 $\pm$ 0.187 χ^2 /NDF: 1233232.0/36

diff_bpm0l07X_mean vs Slug



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

Left Out: -7.958 ± 2.581 $\chi^2/\text{NDF}: 23.5/19$

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

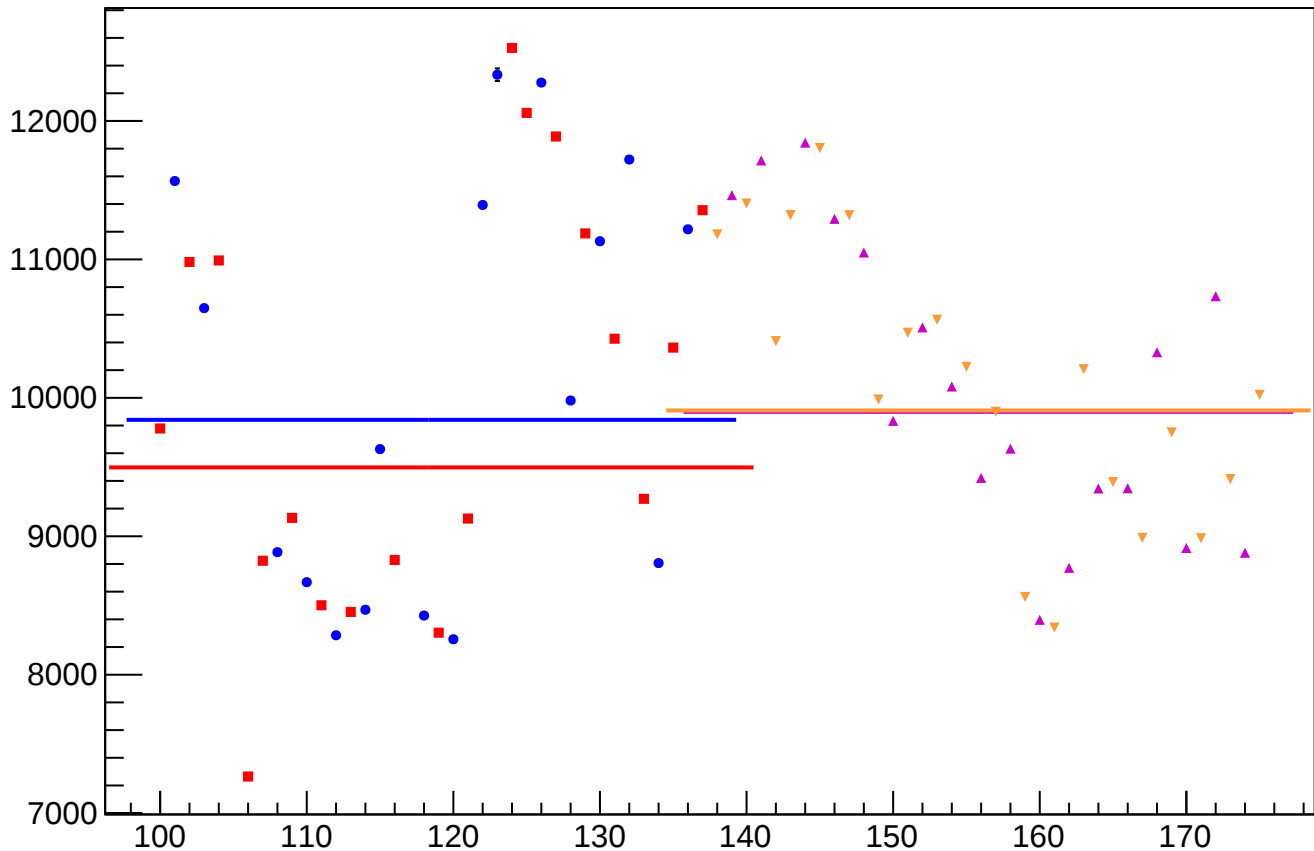
Left In: 13.203 ± 2.682 $\chi^2/\text{NDF}: 20.5/17$

+ sign 2.354 ± 2.142 $\chi^2/\text{NDF}: 121.7/36$

All: 3.512 ± 1.517 $\chi^2/\text{NDF}: 198.7/73$

- sign 4.678 ± 2.150 $\chi^2/\text{NDF}: 76.4/36$

diff_bpm0l07X_rms vs Slug



Right In: 9841.174 $\pm$ 2.713 χ^2 /NDF: 260062.4/16

Left Out: 9908.988 $\pm$ 1.825 χ^2 /NDF:282216.8/19

Right Out: 9497.483 $\pm$ 2.542 χ^2 /NDF: 276700.1/18

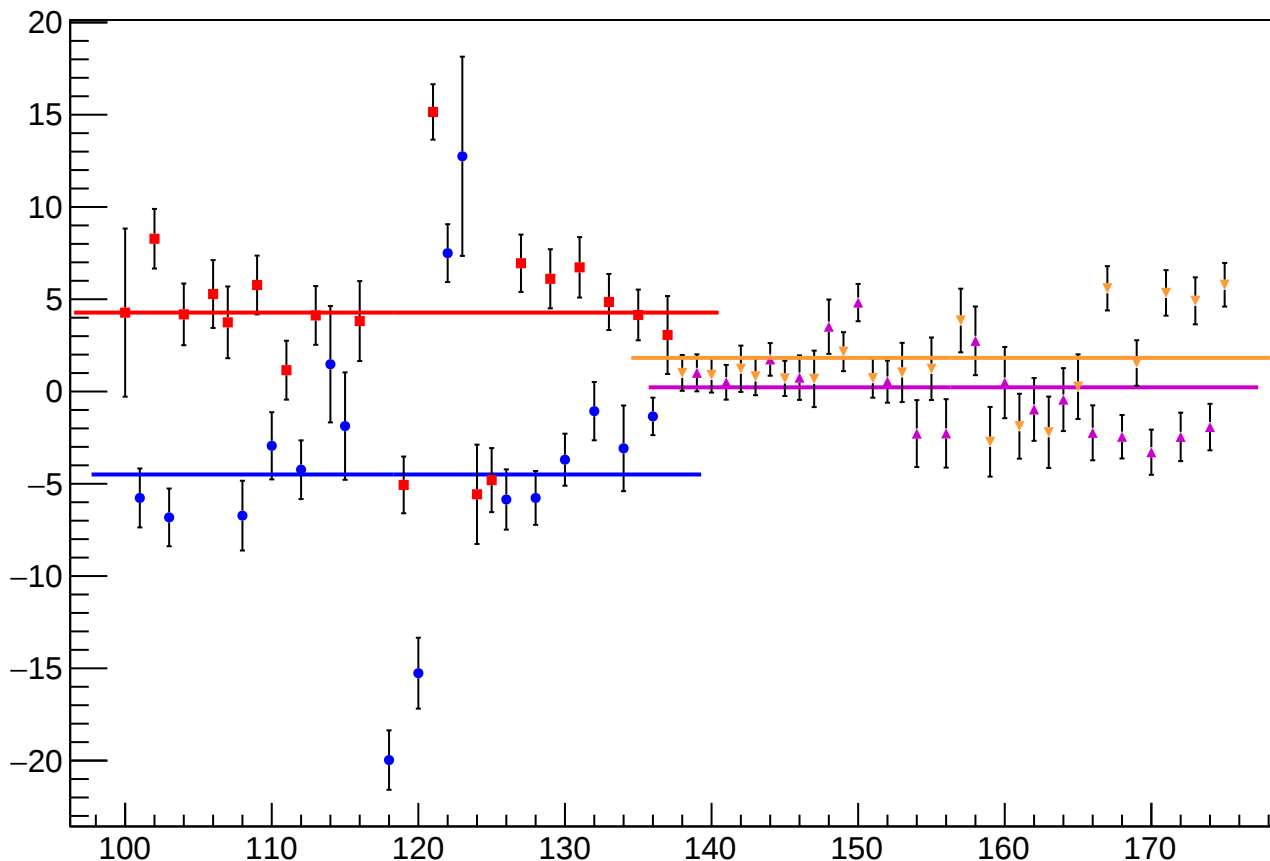
Left In: 9898.822 $\pm$ 1.897 χ^2 /NDF:297214.9/17

+ sign 9887.866 $\pm$ 1.514 χ^2 /NDF: 542709.3/36

All: 9821.825 $\pm$ 1.073 χ^2 /NDF: 1136456.5/73

- sign 9755.284 $\pm$ 1.520 χ^2 /NDF: 589929.3/36

diff_bpm0l07Y_mean vs Slug



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

Left Out: 1.823 ± 0.281 χ^2/NDF : 58.2/19

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

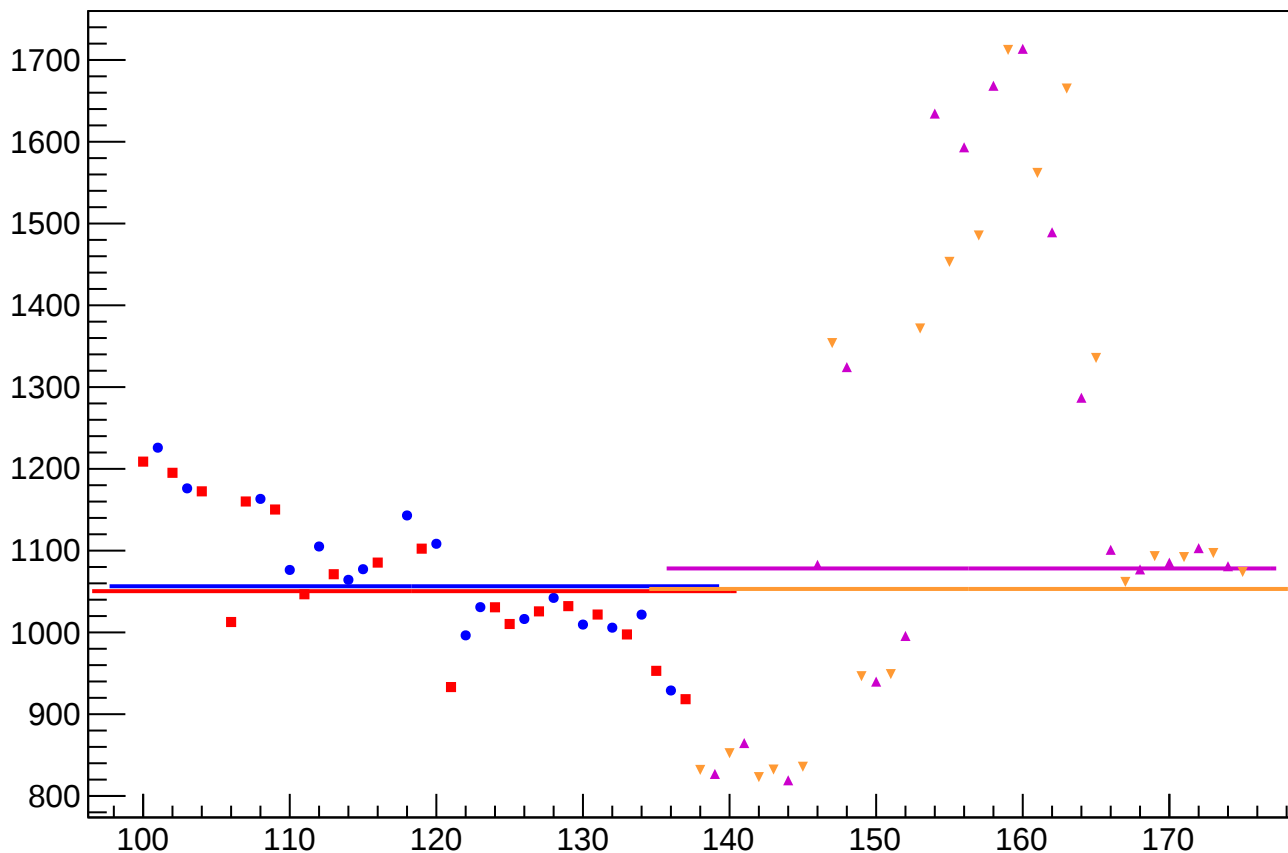
Left In: 0.227 ± 0.299 χ^2/NDF : 59.0/17

+ sign -0.208 ± 0.231 χ^2/NDF : 439.3/36

All: 0.722 ± 0.166 χ^2/NDF : 746.9/73

- sign 1.707 ± 0.238 χ^2/NDF : 274.3/36

diff_bpm0l07Y_rms vs Slug



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

Left Out: 1053.153 $\pm$ 0.199 χ^2 /NDF:1561216.5/19

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

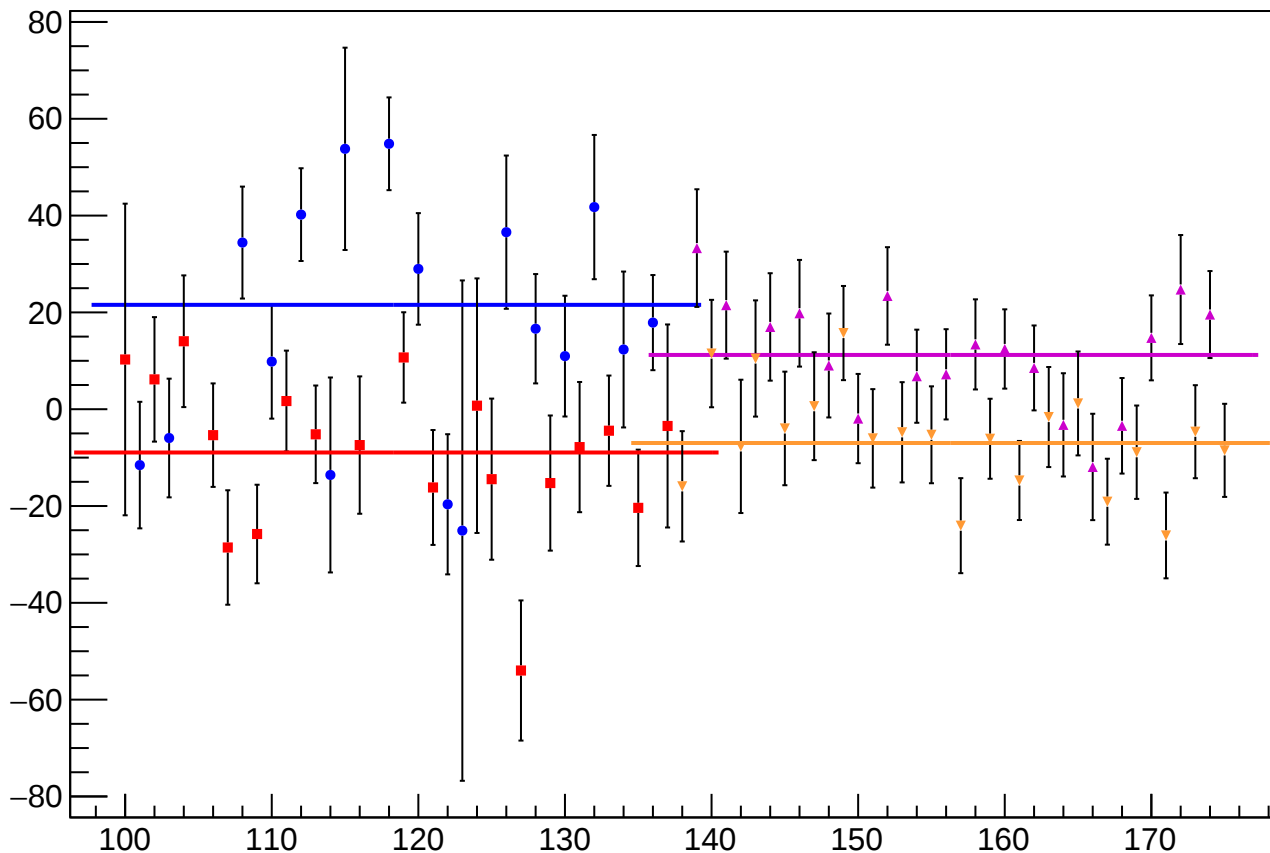
Left In: 1078.205 $\pm$ 0.211 χ^2 /NDF:1413135.5/17

+ sign 1054.208 $\pm$ 0.164 χ^2 /NDF: 1652077.3/36

All: 1060.934 $\pm$ 0.117 χ^2 /NDF: 3157394.4/73

- sign 1068.059 $\pm$ 0.168 χ^2 /NDF: 1501835.9/36

diff_bpm0l08X_mean vs Slug



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

Left Out: -6.980 $\pm$ 2.243 χ^2 /NDF: 23.0/19

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

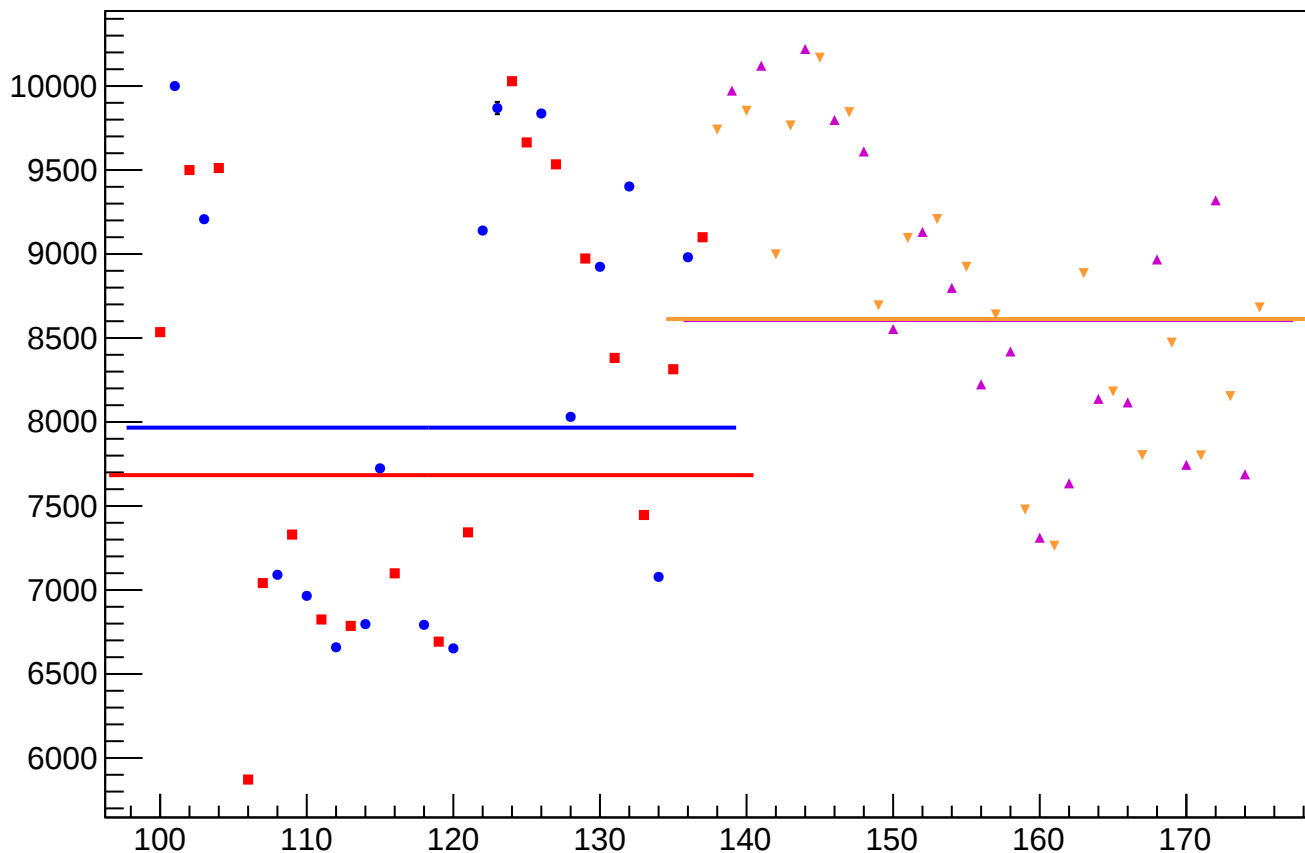
Left In: 11.211 $\pm$ 2.332 χ^2 /NDF: 20.1/17

+ sign 2.785 $\pm$ 1.819 χ^2 /NDF: 126.8/36

All: 3.061 $\pm$ 1.287 χ^2 /NDF: 203.5/73

- sign 3.337 $\pm$ 1.820 χ^2 /NDF: 76.7/36

diff_bpm0l08X_rms vs Slug



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

Left Out: 8613.215 $\pm$ 1.586 χ^2 /NDF: 272746.8/19

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

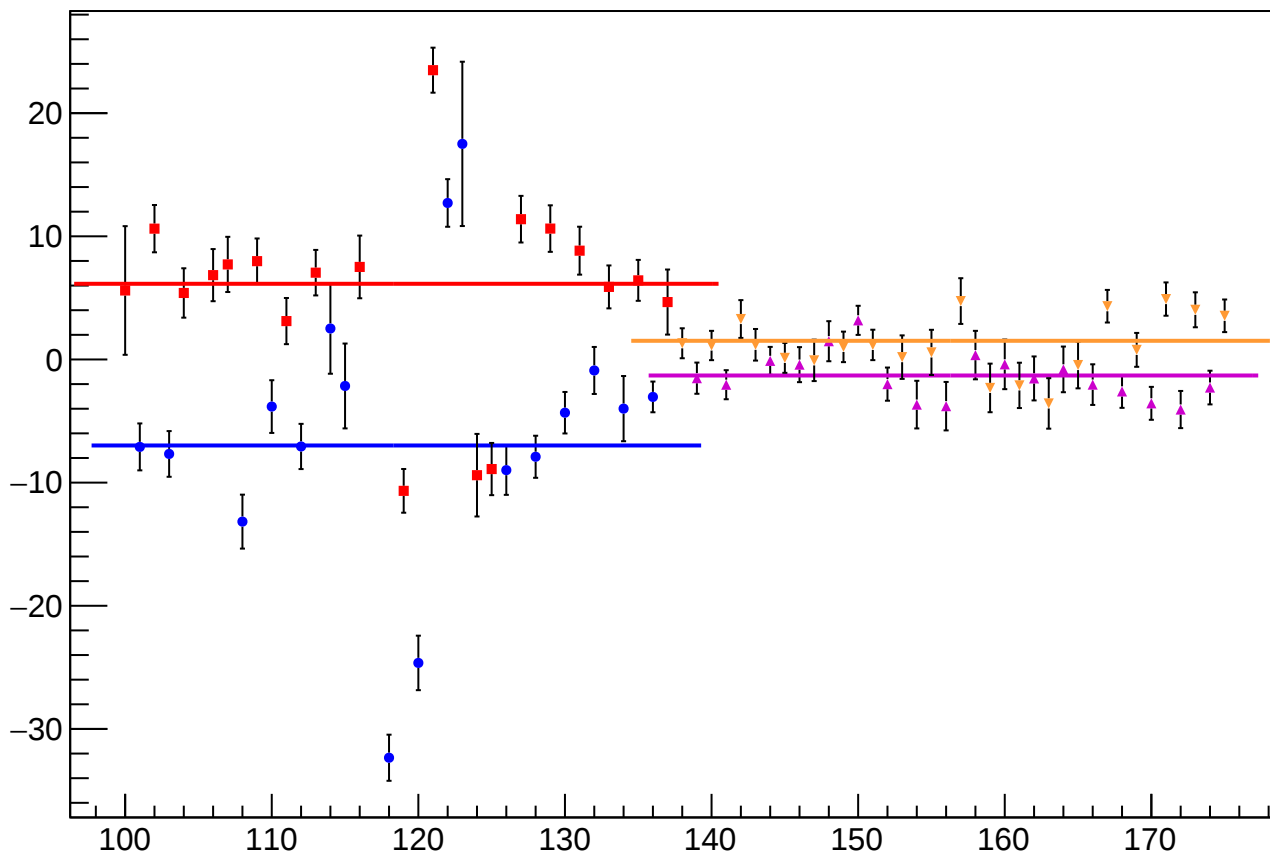
Left In: 8606.616 $\pm$ 1.649 χ^2 /NDF: 289666.1/17

+ sign 8391.919 $\pm$ 1.286 χ^2 /NDF: 626256.4/36

All: 8318.974 $\pm$ 0.910 χ^2 /NDF: 1359870.5/73

- sign 8245.972 $\pm$ 1.287 χ^2 /NDF: 727181.3/36

diff_bpm0l08Y_mean vs Slug



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

Left Out: 1.516 ± 0.325 χ^2/NDF : 39.2/19

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

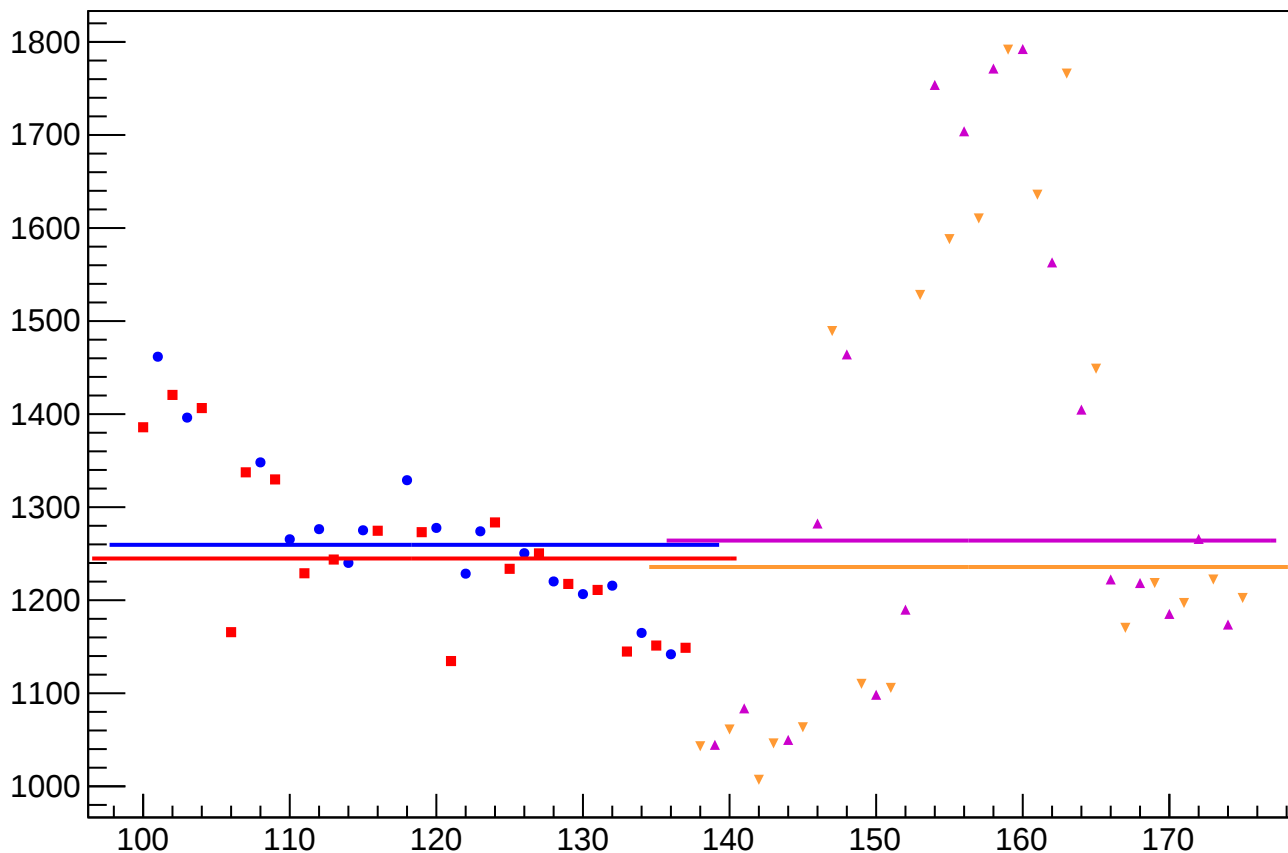
Left In: -1.301 ± 0.346 χ^2/NDF : 31.4/17

+ sign -1.114 ± 0.270 χ^2/NDF : 658.8/36

All: 0.079 ± 0.194 χ^2/NDF : 1172.1/73

- sign 1.340 ± 0.278 χ^2/NDF : 473.3/36

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1235.701 $\pm$ 0.230 χ^2 /NDF: 940648.5/19

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

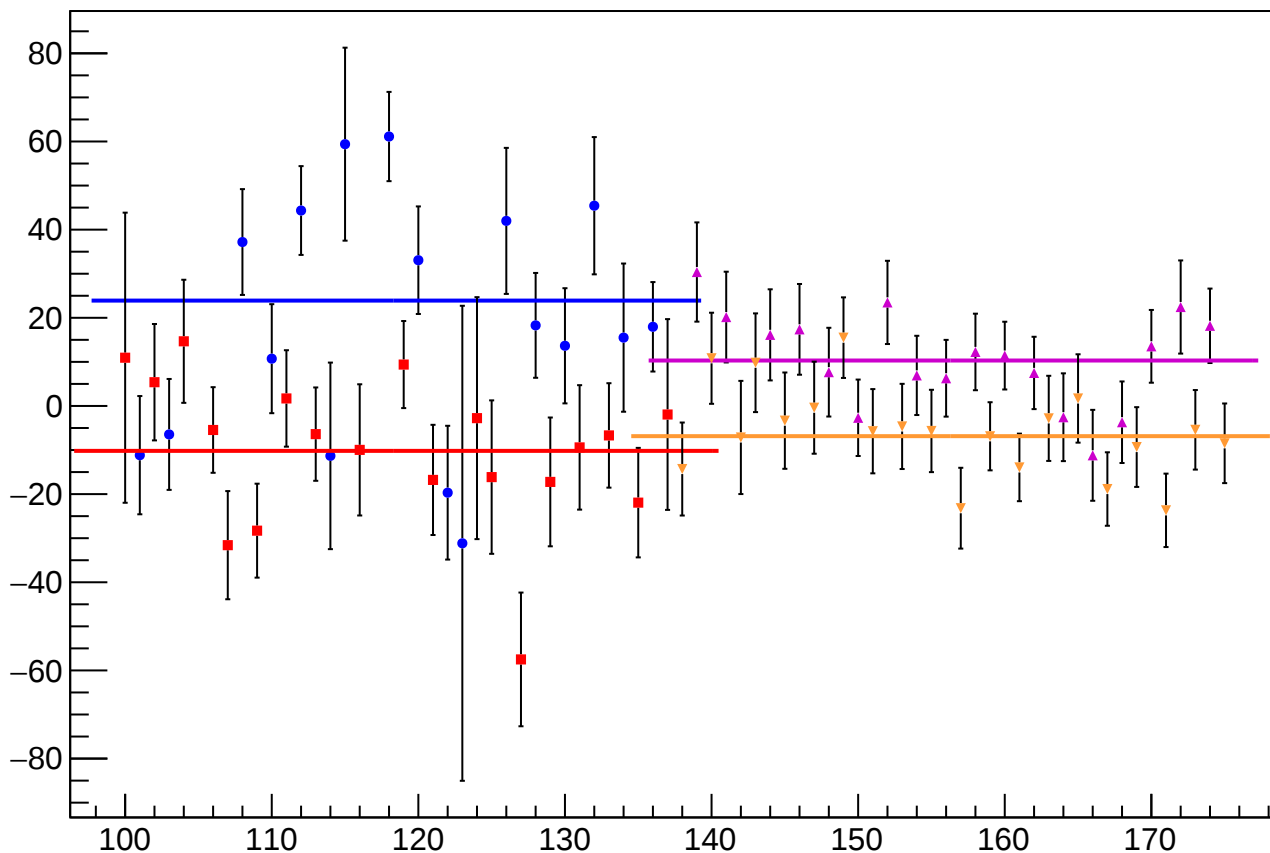
Left In: 1264.105 $\pm$ 0.245 χ^2 /NDF: 839439.2/17

+ sign 1243.074 $\pm$ 0.191 χ^2 /NDF: 1008811.0/36

All: 1249.980 $\pm$ 0.137 χ^2 /NDF: 1919957.9/73

- sign 1257.272 $\pm$ 0.197 χ^2 /NDF: 908465.7/36

diff_bpm0l09X_mean vs Slug



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

Left Out: -6.852 ± 2.099 $\chi^2/\text{NDF}: 23.4/19$

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

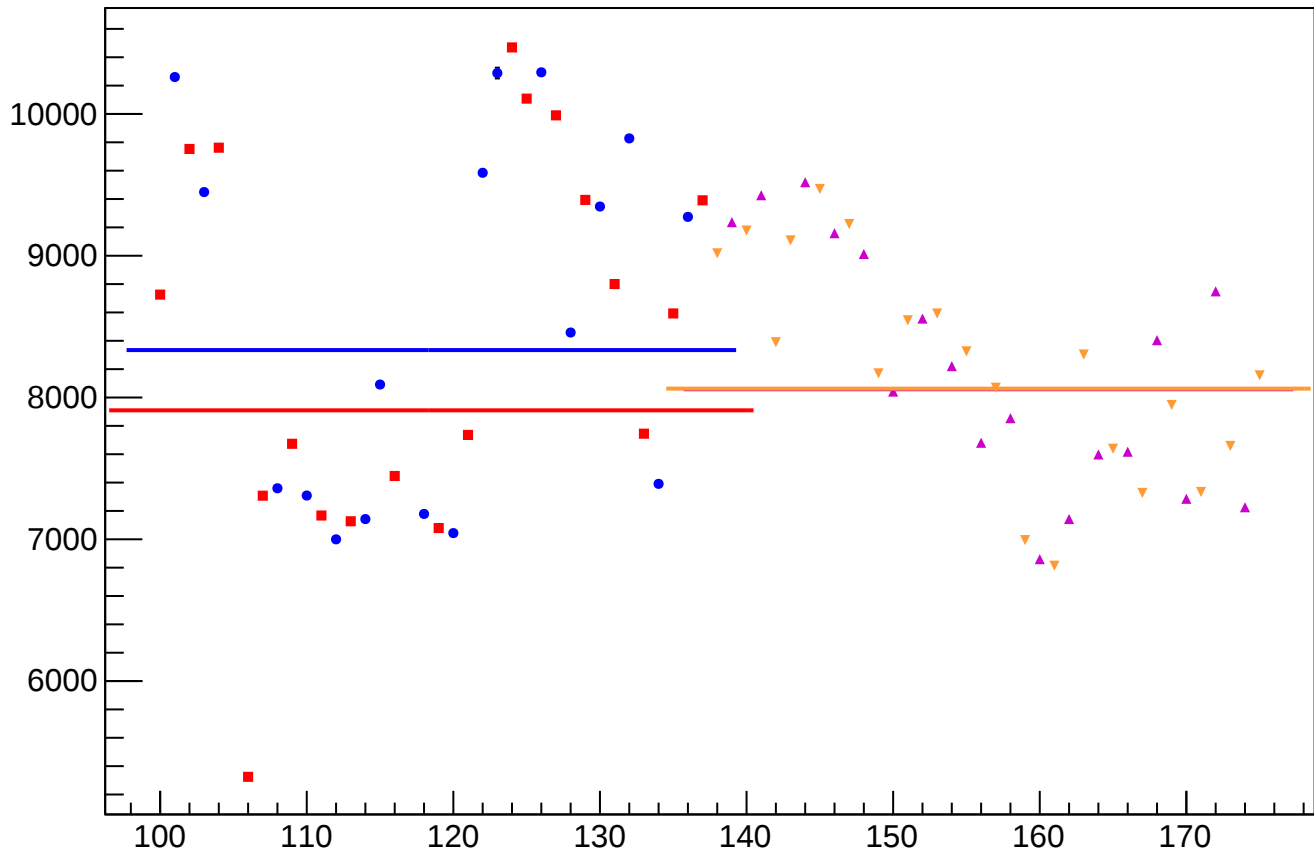
Left In: 10.310 ± 2.182 $\chi^2/\text{NDF}: 20.3/17$

+ sign 2.200 ± 1.763 $\chi^2/\text{NDF}: 139.0/36$

All: 2.716 ± 1.248 $\chi^2/\text{NDF}: 217.9/73$

- sign 3.233 ± 1.766 $\chi^2/\text{NDF}: 78.7/36$

diff_bpm0l09X_rms vs Slug



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

Left Out: 8062.680+/-1.484 χ^2/NDF : 260937.7/19

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

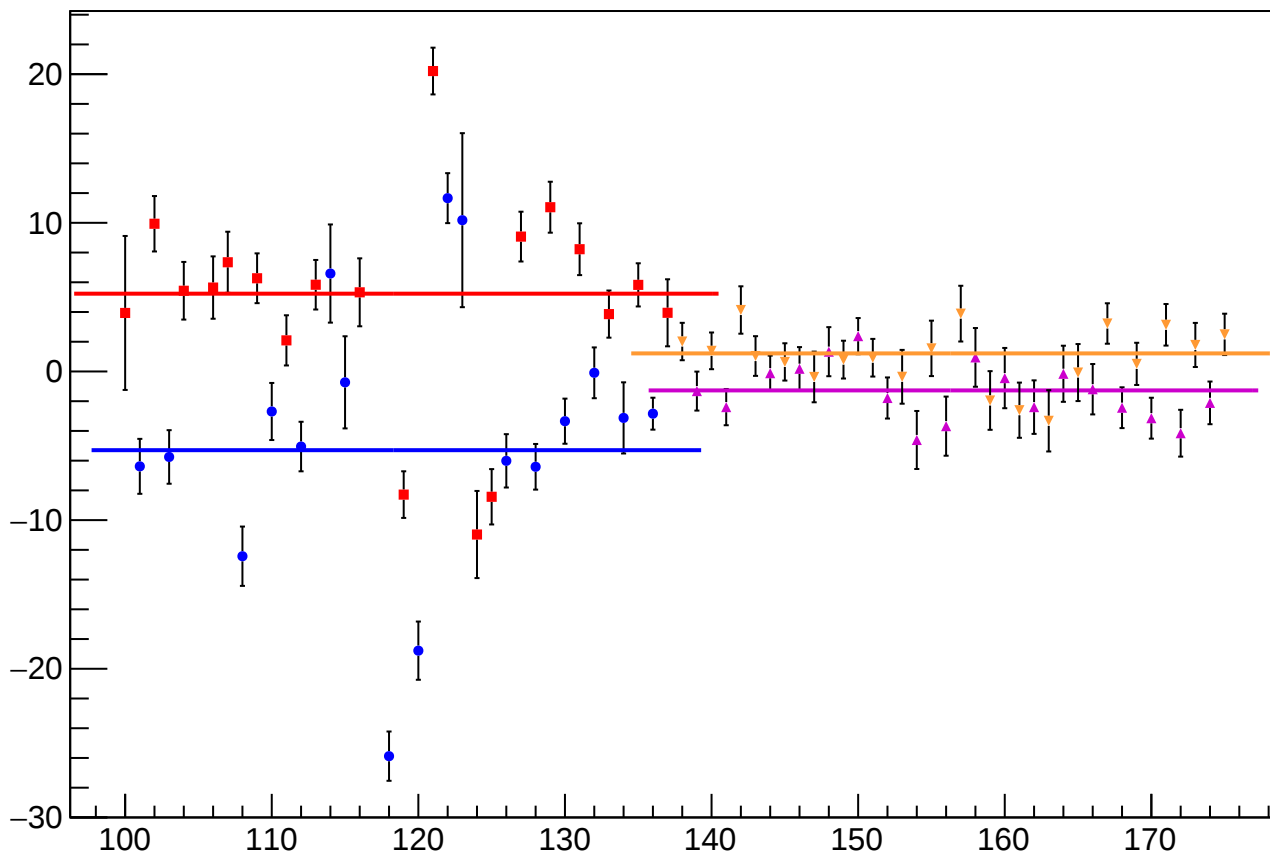
Left In: 8058.179+/-1.543 χ^2/NDF : 278833.2/17

+ sign 8142.677+/-1.247 χ^2/NDF : 543110.4/36

All: 8074.883+/-0.882 χ^2/NDF : 1221882.9/73

- sign 8006.893+/-1.249 χ^2/NDF : 672851.8/36

diff_bpm0l09Y_mean vs Slug



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

Left Out: 1.215 ± 0.335 χ^2/NDF : 25.3/19

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

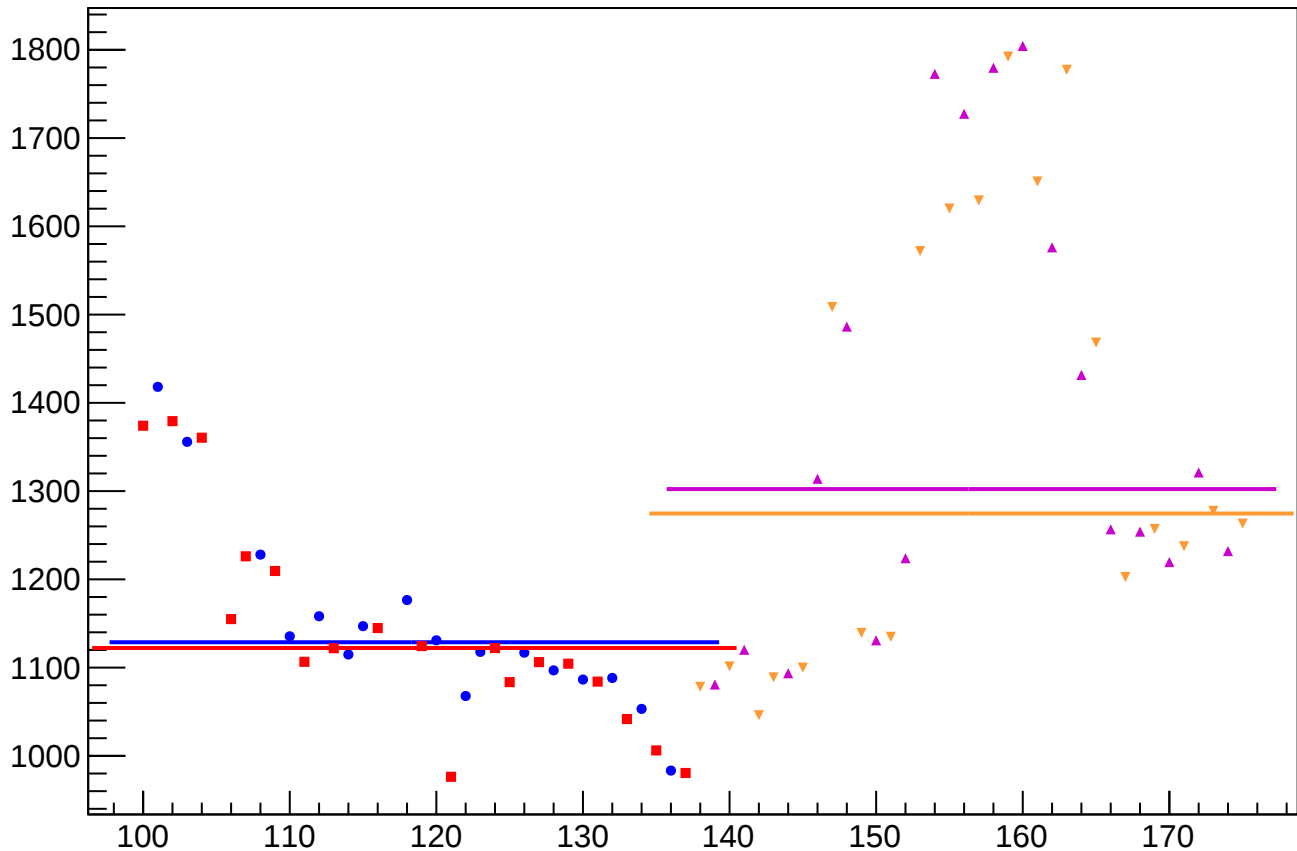
Left In: -1.274 ± 0.356 χ^2/NDF : 27.3/17

+ sign -1.195 ± 0.266 χ^2/NDF : 523.3/36

All: 0.088 ± 0.190 χ^2/NDF : 1019.3/73

- sign 1.430 ± 0.272 χ^2/NDF : 448.3/36

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1274.594 $\pm$ 0.237 χ^2 /NDF: 852039.3/19

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

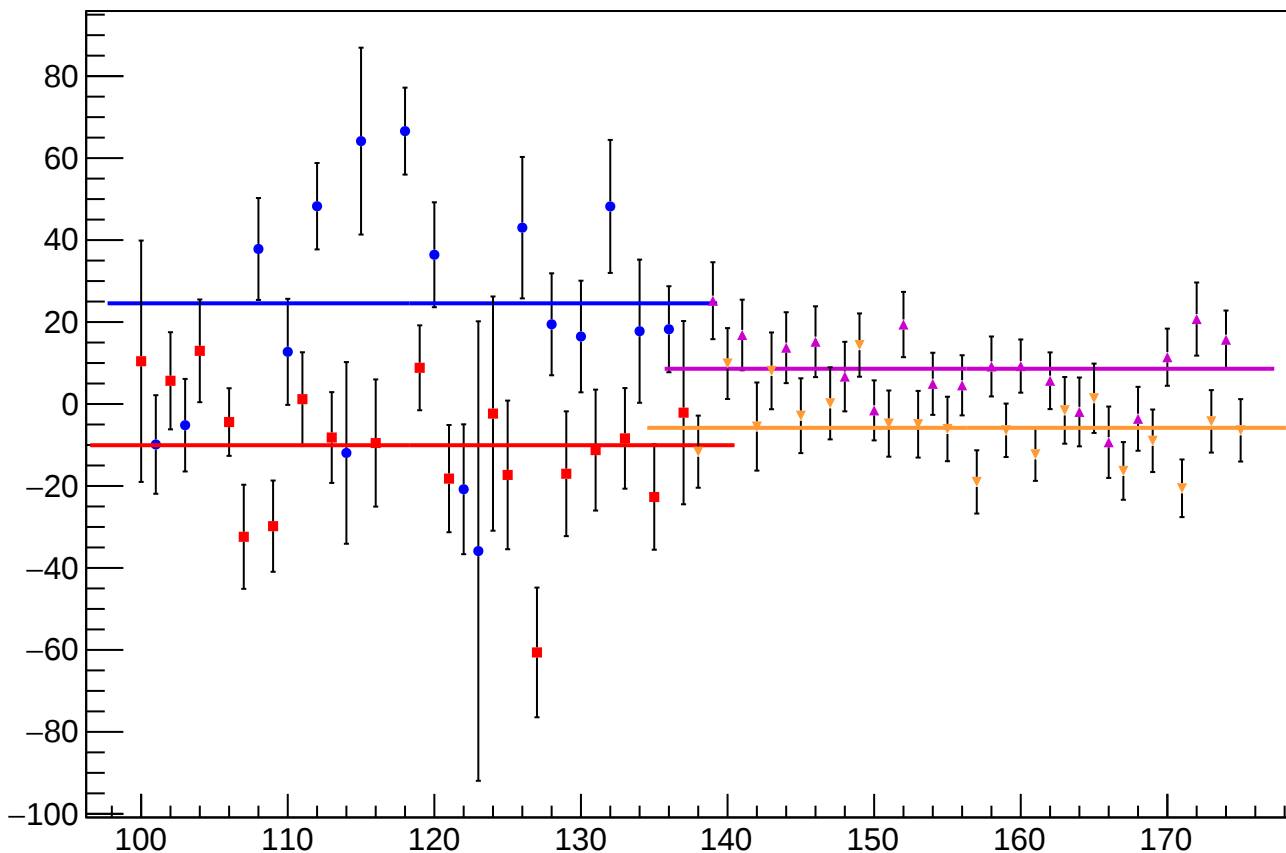
Left In: 1302.295 $\pm$ 0.251 χ^2 /NDF: 754251.9/17

+ sign 1220.595 $\pm$ 0.188 χ^2 /NDF: 1125549.0/36

All: 1223.951 $\pm$ 0.134 χ^2 /NDF: 2223182.4/73

- sign 1227.461 $\pm$ 0.192 χ^2 /NDF: 1096981.2/36

diff_bpm0l10X_mean vs Slug



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

Left Out: -5.815 ± 1.768 $\chi^2/\text{NDF}: 25.2/19$

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

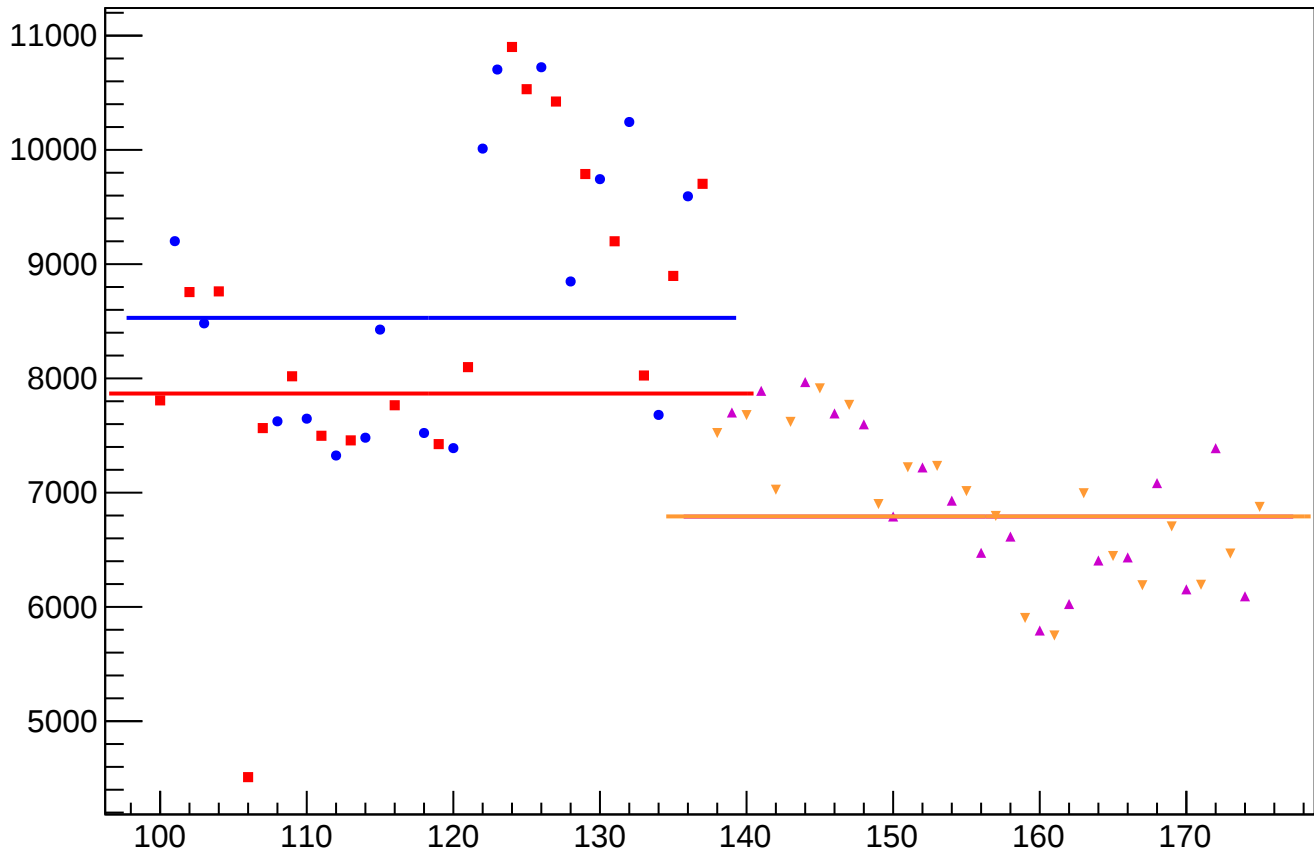
Left In: 8.602 ± 1.838 $\chi^2/\text{NDF}: 20.8/17$

+ sign 0.902 ± 1.560 $\chi^2/\text{NDF}: 148.6/36$

All: 2.207 ± 1.106 $\chi^2/\text{NDF}: 227.6/73$

- sign 3.527 ± 1.569 $\chi^2/\text{NDF}: 77.6/36$

diff_bpm0l10X_rms vs Slug



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

Left Out: 6792.194+/-1.250 χ^2/NDF : 246624.2/19

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

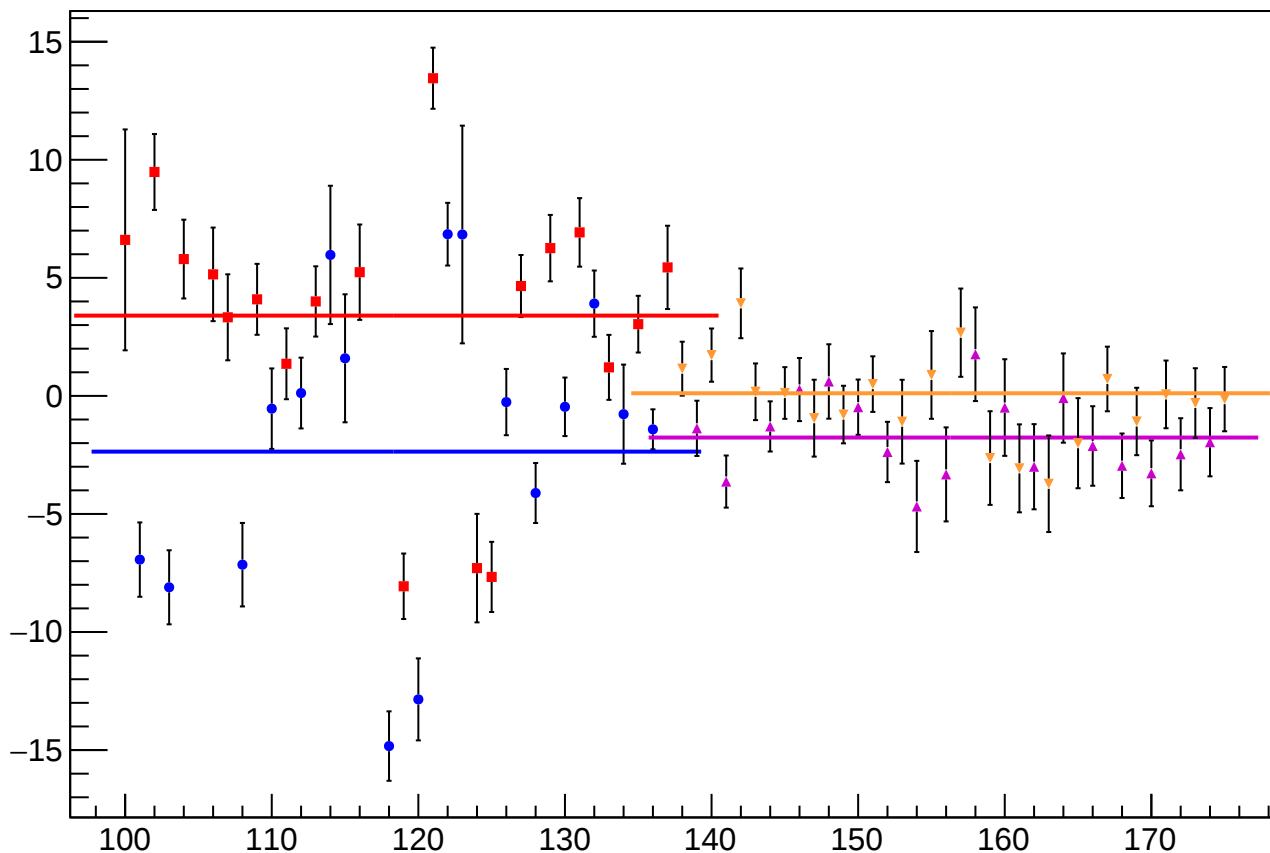
Left In: 6790.507+/-1.300 χ^2/NDF : 266786.1/17

+ sign 7176.320+/-1.103 χ^2/NDF : 882125.6/36

All: 7130.152+/-0.782 χ^2/NDF : 1894996.6/73

- sign 7083.484+/-1.109 χ^2/NDF : 1009349.6/36

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.112 ± 0.320 χ^2/NDF : 23.7/19

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

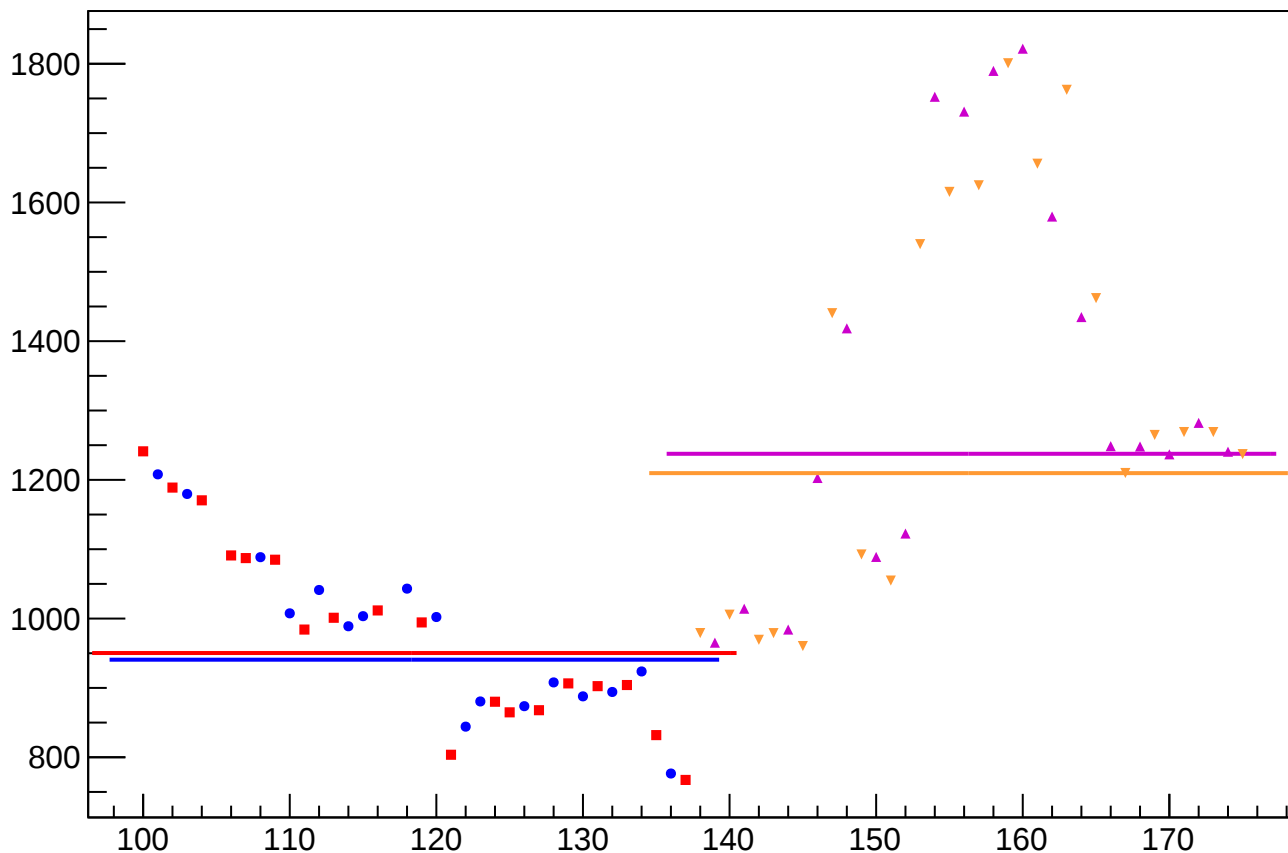
Left In: -1.764 ± 0.340 χ^2/NDF : 19.1/17

+ sign -0.960 ± 0.241 χ^2/NDF : 281.6/36

All: -0.158 ± 0.172 χ^2/NDF : 674.3/73

- sign 0.684 ± 0.247 χ^2/NDF : 369.9/36

diff_bpm0l10Y_rms vs Slug



Right In: 940.683 $\pm$ 0.258 χ^2 /NDF: 241768.4/16

Left Out: 1209.716 $\pm$ 0.226 χ^2 /NDF: 1217989.6/19

Right Out: 950.316 $\pm$ 0.253 χ^2 /NDF: 220678.1/18

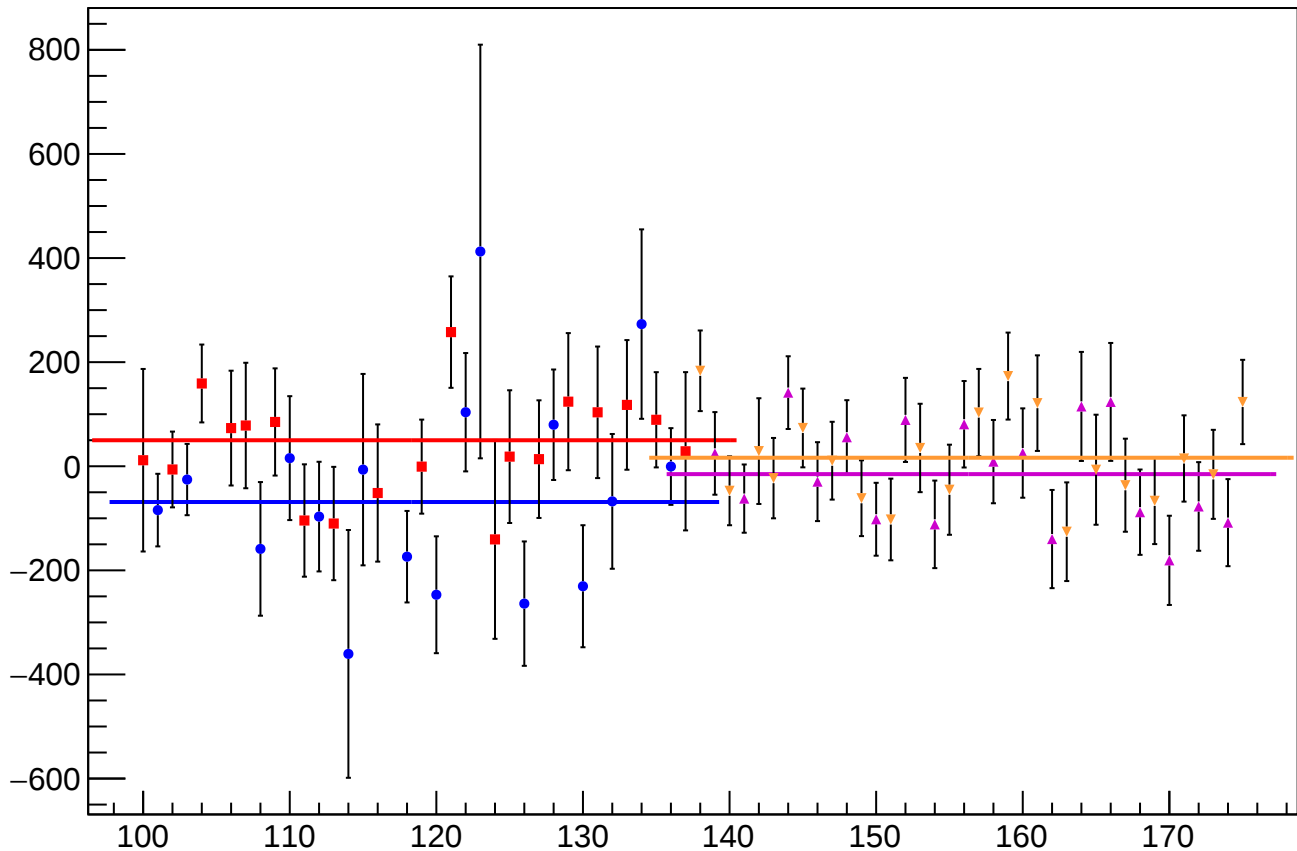
Left In: 1237.603 $\pm$ 0.240 χ^2 /NDF: 1058792.0/17

+ sign 1093.047 $\pm$ 0.170 χ^2 /NDF: 2073277.3/36

All: 1097.151 $\pm$ 0.122 χ^2 /NDF: 4030784.5/73

- sign 1101.458 $\pm$ 0.174 χ^2 /NDF: 1956315.6/36

diff_bpm0r03X_mean vs Slug



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

Left Out: 16.368 ± 18.424 χ^2/NDF : 21.8/19

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

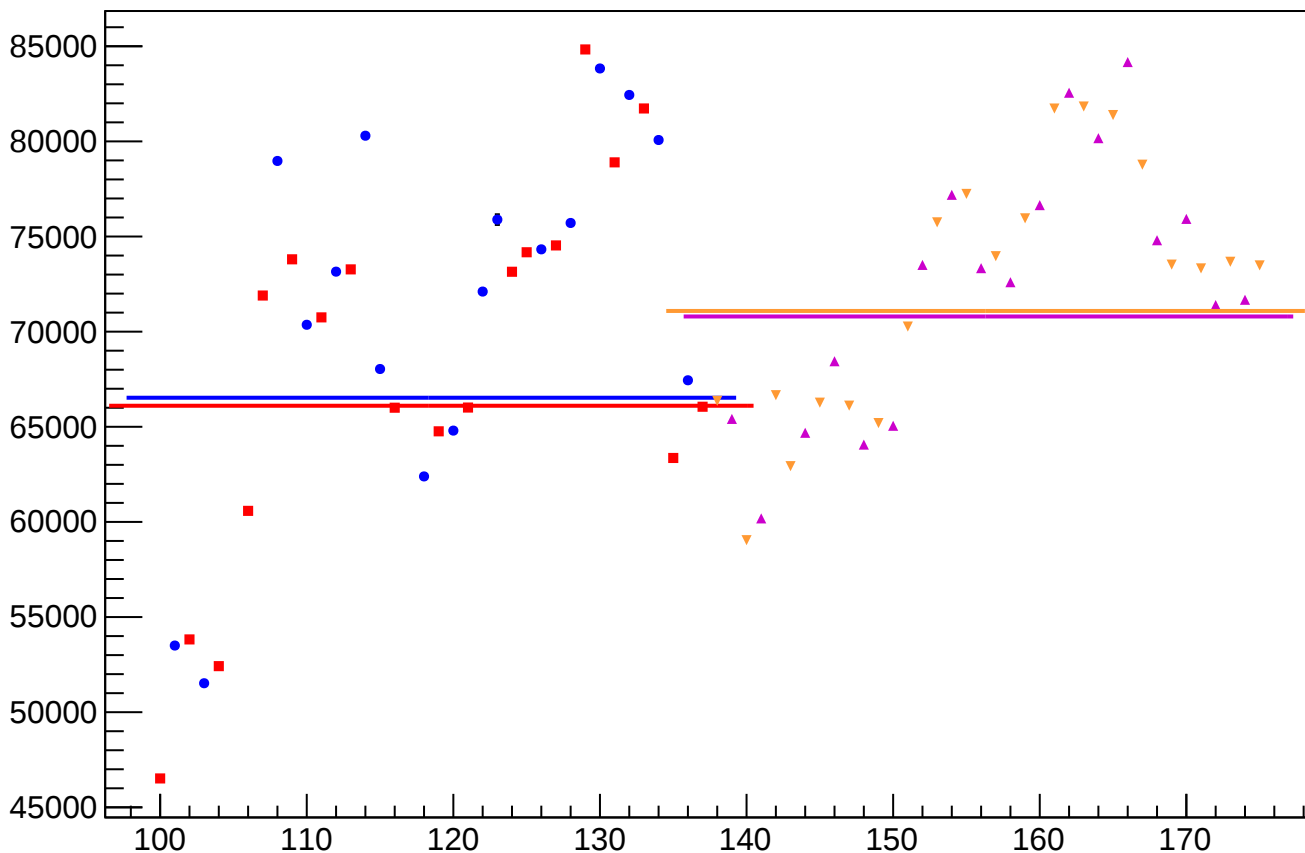
Left In: -15.117 ± 19.068 χ^2/NDF : 24.1/17

+ sign -12.144 ± 15.022 χ^2/NDF : 50.7/36

All: -1.775 ± 10.673 χ^2/NDF : 94.1/73

- sign 8.793 ± 15.166 χ^2/NDF : 42.4/36

diff_bpm0r03X_rms vs Slug



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

Left Out: 71087.911+/-13.028 χ^2/NDF : 248415.5/19

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

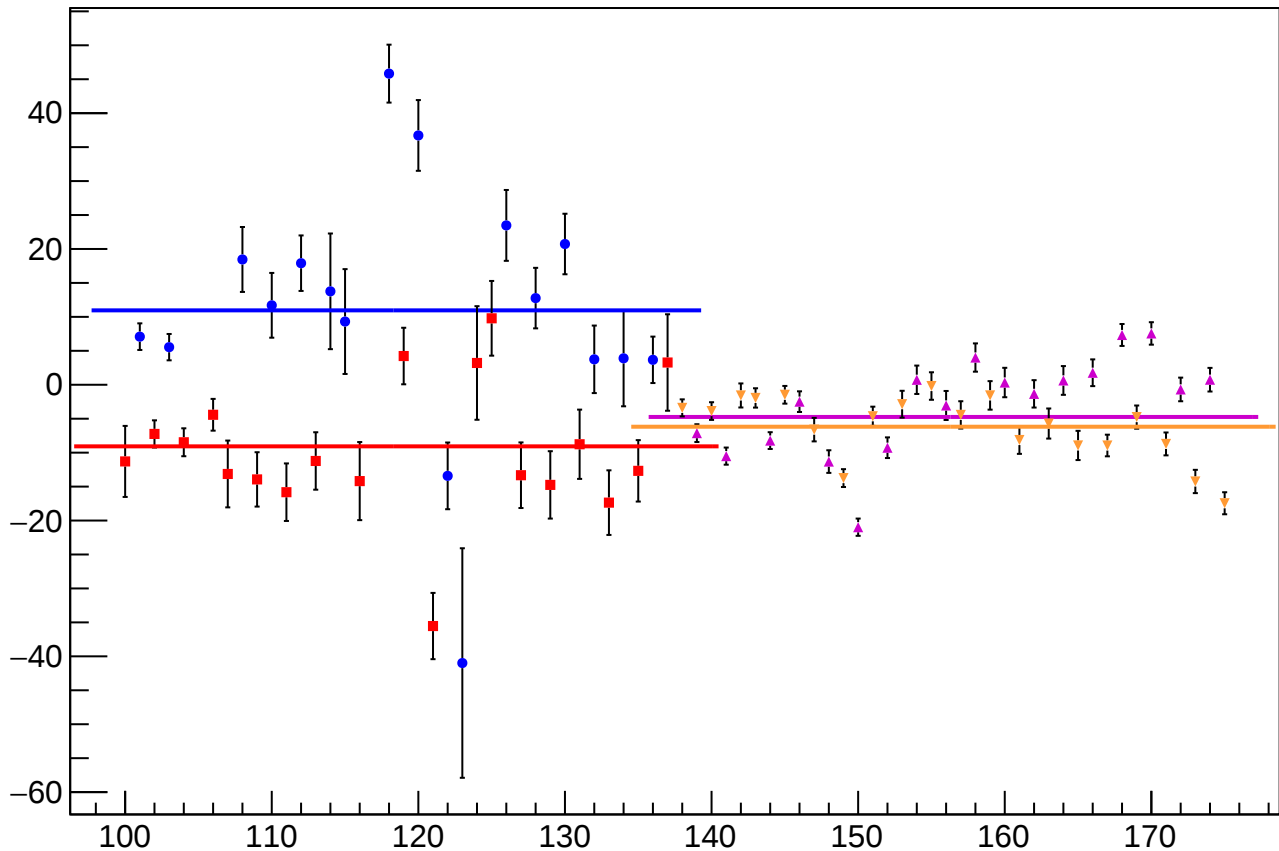
Left In: 70797.245+/-13.483 χ^2/NDF : 223396.1/17

+ sign 69559.115+/-10.622 χ^2/NDF : 610382.6/36

All: 69318.624+/-7.547 χ^2/NDF : 1177781.3/7

- sign 69073.510+/-10.724 χ^2/NDF : 566363.6/36

diff_bpm0r03Y_mean vs Slug



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

Left Out: -6.180 ± 0.366 χ^2/NDF : 167.1/19

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

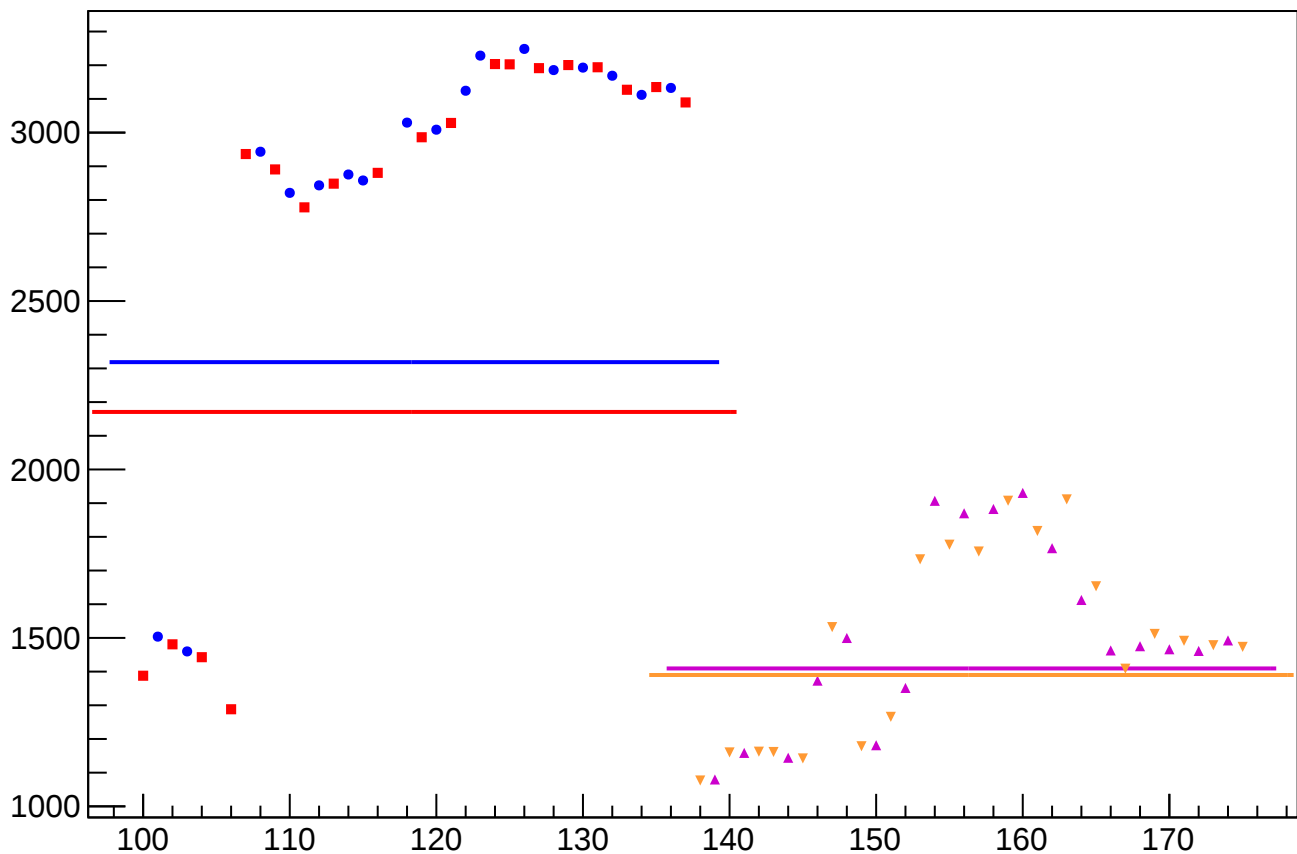
Left In: -4.741 ± 0.385 χ^2/NDF : 399.4/17

+ sign -3.941 ± 0.341 χ^2/NDF : 615.1/36

All: -4.674 ± 0.245 χ^2/NDF : 1118.0/73

- sign -5.456 ± 0.352 χ^2/NDF : 493.4/36

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1389.923+/-0.259 χ^2/NDF : 1002002.0/19

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

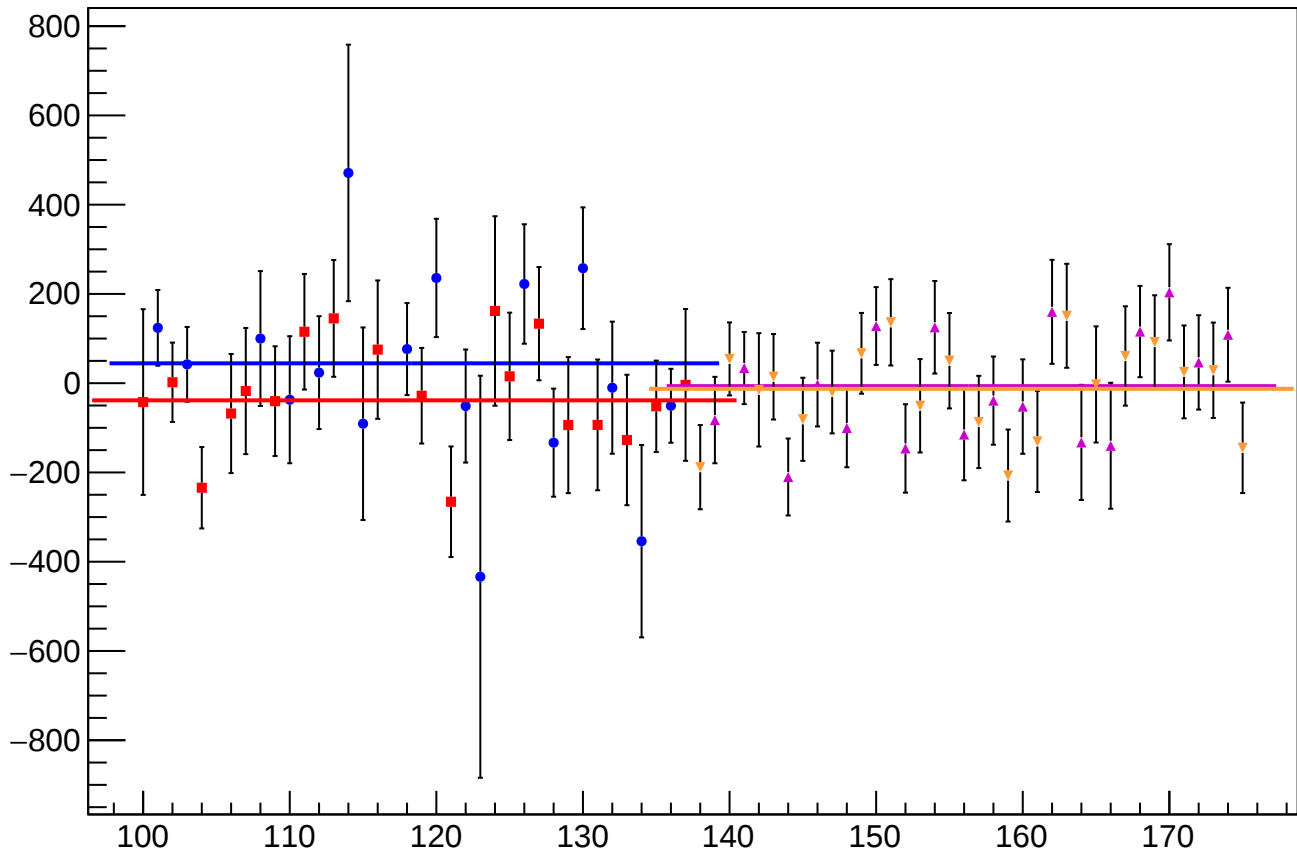
Left In: 1409.351+/-0.272 χ^2/NDF : 891719.4/17

+ sign 1511.255+/-0.241 χ^2/NDF : 4096025.0/36

All: 1522.781+/-0.173 χ^2/NDF : 8036027.4/73

- sign 1535.071+/-0.249 χ^2/NDF : 3935278.4/36

diff_bpm0r05X_mean vs Slug



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

Left Out: -12.589 $\pm$ 22.820 χ^2 /NDF:18.9/19

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

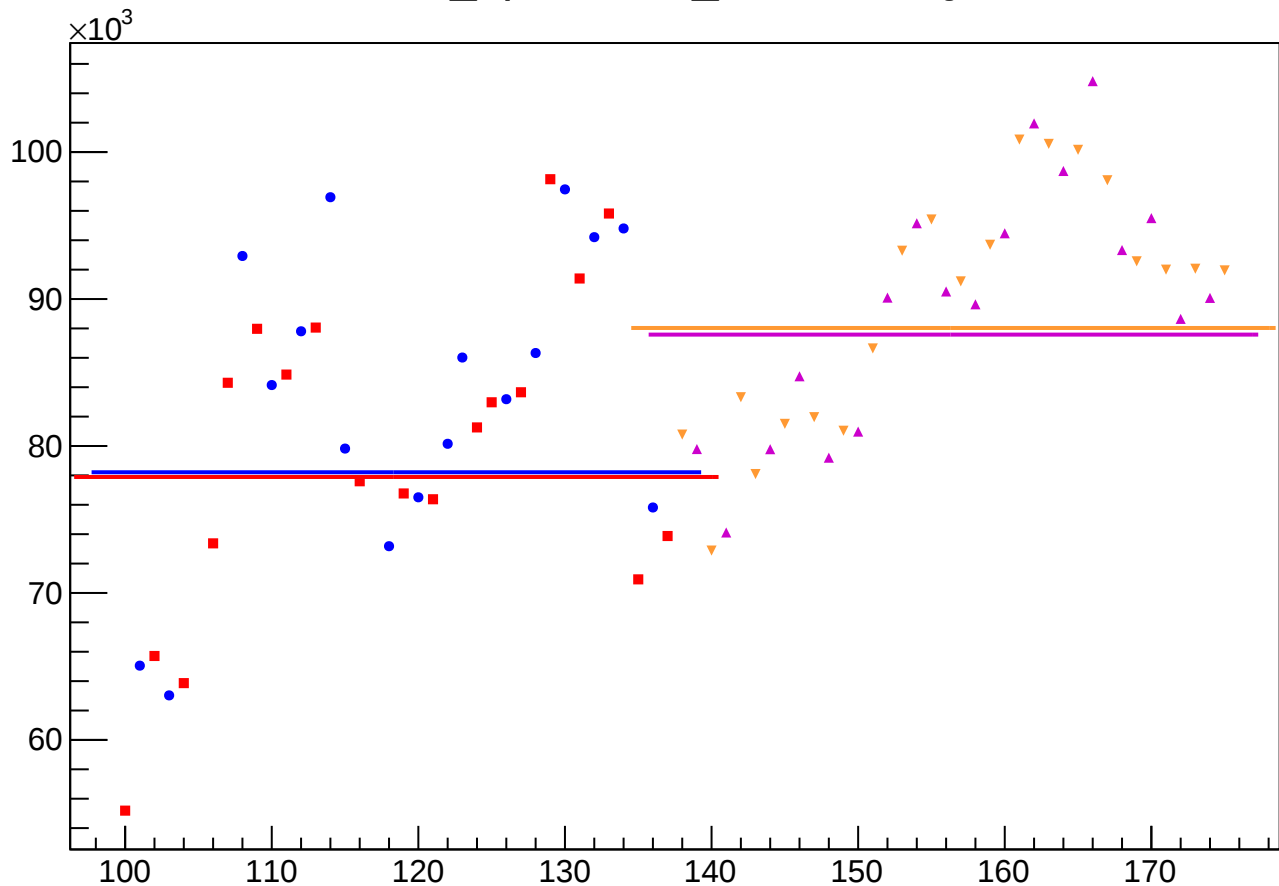
Left In: -6.626 $\pm$ 23.596 χ^2 /NDF:25.6/17

+ sign 7.953 $\pm$ 18.257 χ^2 /NDF: 40.3/36

All: -5.444 $\pm$ 12.964 χ^2 /NDF: 83.4/73

- sign -19.066 $\pm$ 18.411 χ^2 /NDF: 42.0/36

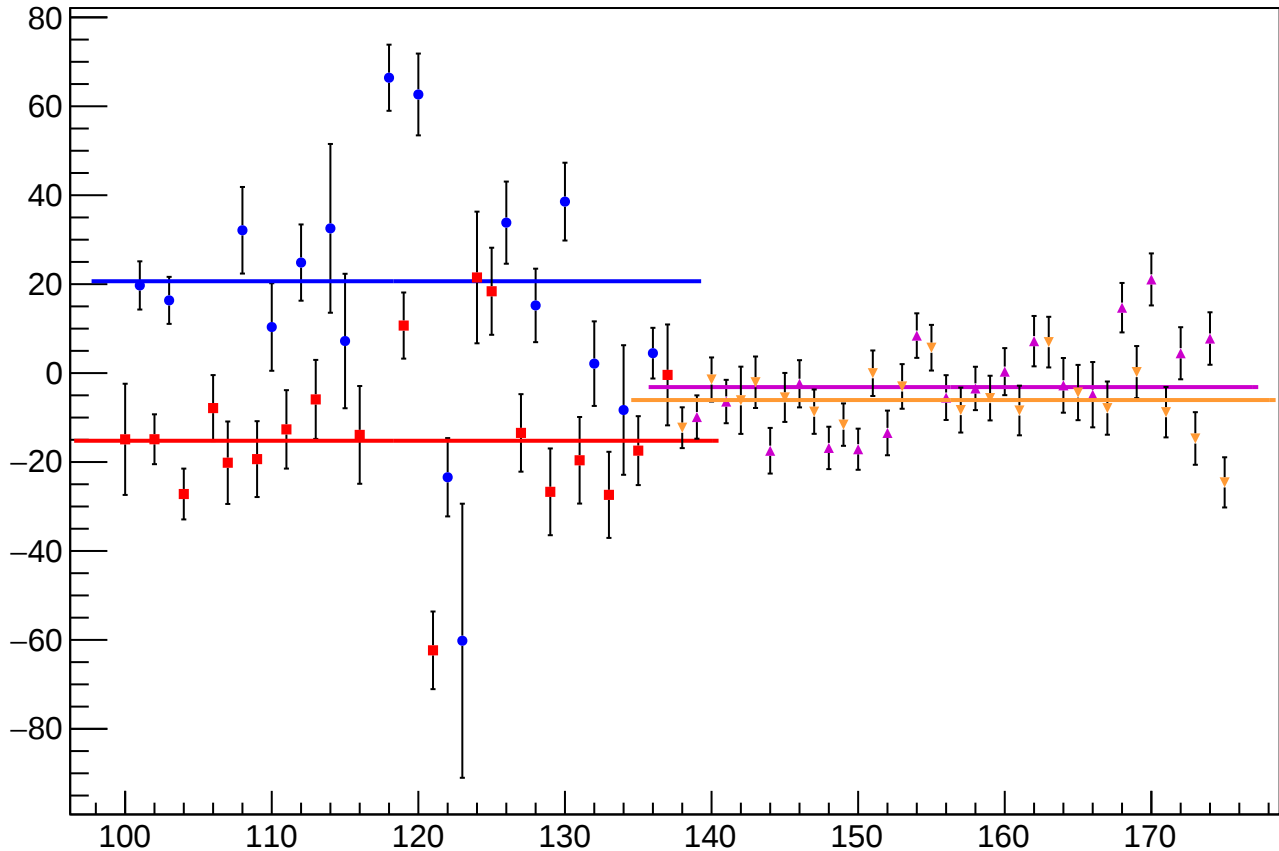
diff_bpm0r05X_rms vs Slug



Right In: 78213.025+/-21.519 χ^2/NDF : 251056.7/16
 Left Out: 88031.010+/-16.136 χ^2/NDF : 252906.5/19
 Right Out: 77891.938+/-20.814 χ^2/NDF : 246970.2/18
 Left In: 87579.640+/-16.685 χ^2/NDF : 232939.8/17

+ sign 84497.250+/-12.910 χ^2/NDF : 637207.8/36
 All: 84146.458+/-9.167 χ^2/NDF : 1250497.3/36
 - sign 83789.748+/-13.018 χ^2/NDF : 611800.4/36

diff_bpm0r05Y_mean vs Slug



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

Left Out: -6.061 ± 1.209 χ^2/NDF : 31.9/19

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

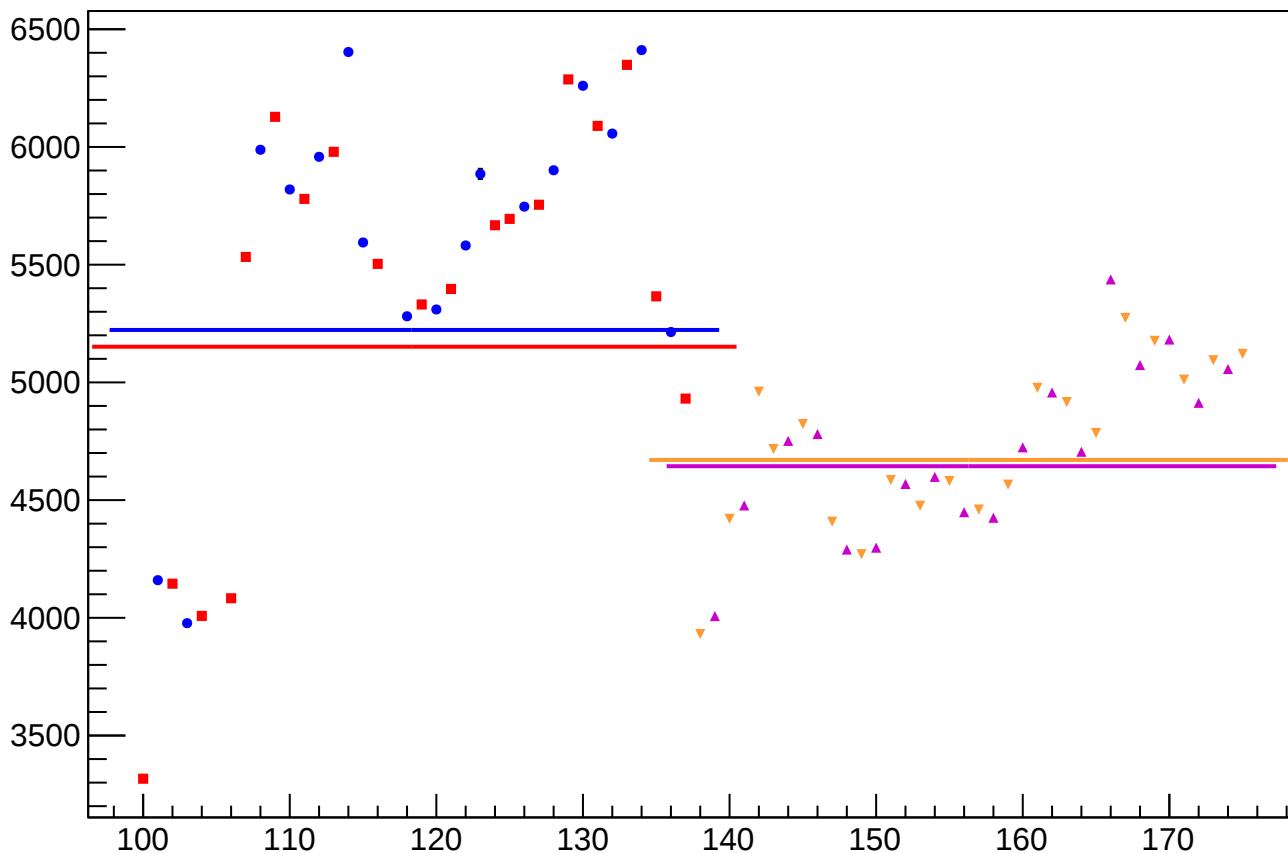
Left In: -3.147 ± 1.249 χ^2/NDF : 73.7/17

+ sign 0.903 ± 1.039 χ^2/NDF : 277.0/36

All: -2.824 ± 0.740 χ^2/NDF : 475.0/73

- sign -6.648 ± 1.053 χ^2/NDF : 172.0/36

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4670.732 $\pm$ 0.855 χ^2 /NDF:165730.3/19

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

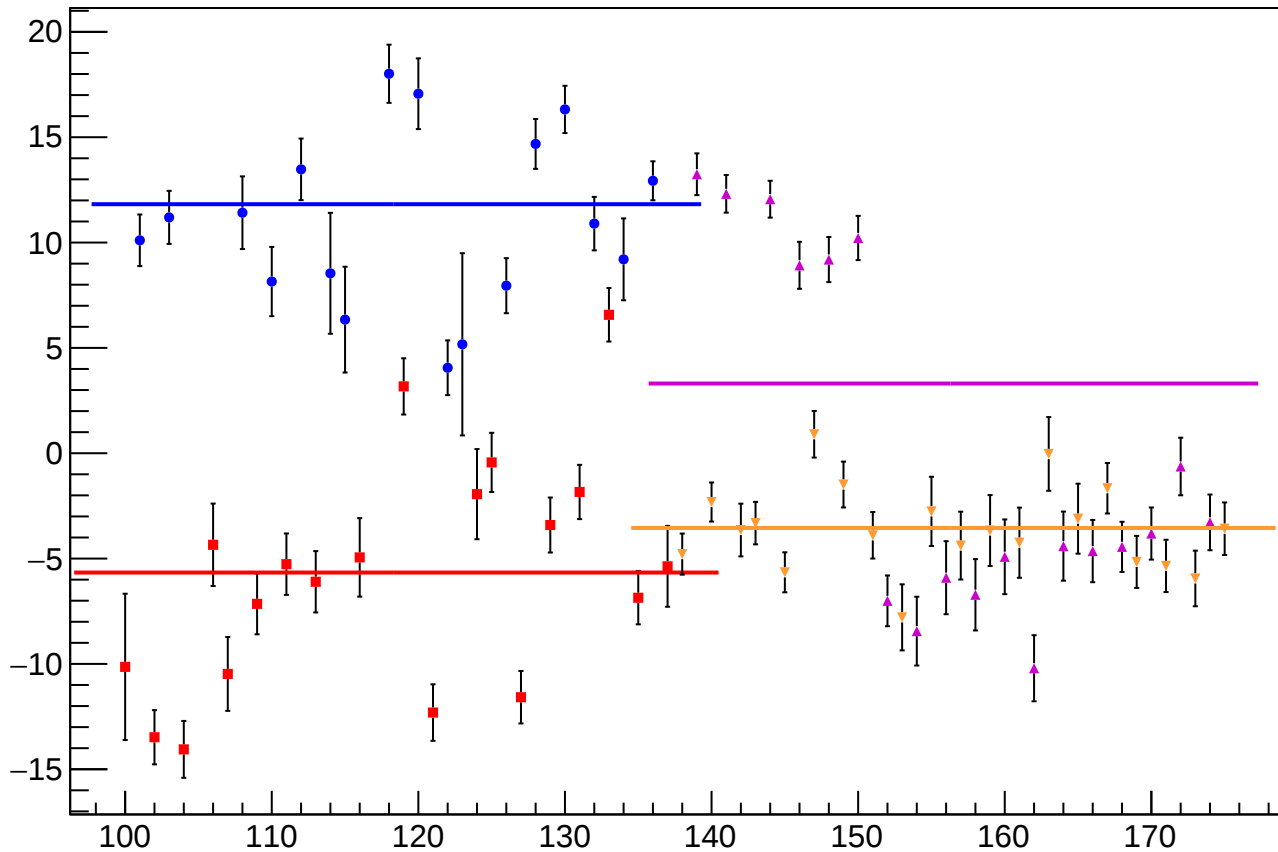
Left In: 4643.938 $\pm$ 0.883 χ^2 /NDF:141587.2/17

+ sign 4814.625 $\pm$ 0.735 χ^2 /NDF: 586946.8/36

All: 4803.040 $\pm$ 0.523 χ^2 /NDF: 1212472.5/73

- sign 4791.157 $\pm$ 0.744 χ^2 /NDF: 625022.4/36

diff_bpm2i01X_mean vs Slug



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

Left Out: -3.547 ± 0.275 $\chi^2/\text{NDF}: 50.0/19$

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

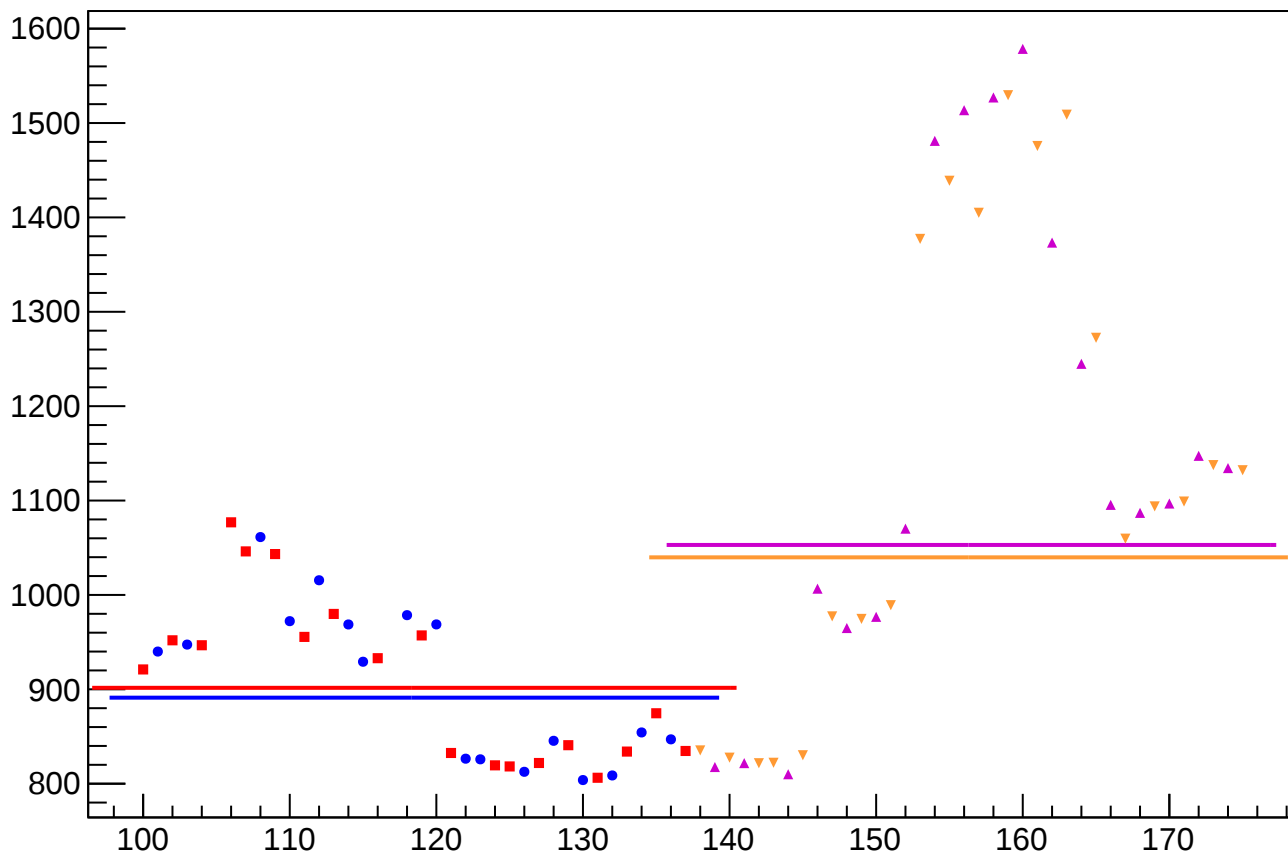
Left In: 3.309 ± 0.290 $\chi^2/\text{NDF}: 845.0/17$

+ sign 2.435 ± 0.215 $\chi^2/\text{NDF}: 1382.3/36$

All: 1.011 ± 0.154 $\chi^2/\text{NDF}: 3023.2/73$

- sign -0.482 ± 0.220 $\chi^2/\text{NDF}: 1550.8/36$

diff_bpm2i01X_rms vs Slug



Right In: 891.149 ± 0.244 $\chi^2/\text{NDF}: 101659.1/16$

Left Out: 1039.824 ± 0.194 $\chi^2/\text{NDF}: 1295373.1/19$

Right Out: 901.588 ± 0.239 $\chi^2/\text{NDF}: 114590.8/18$

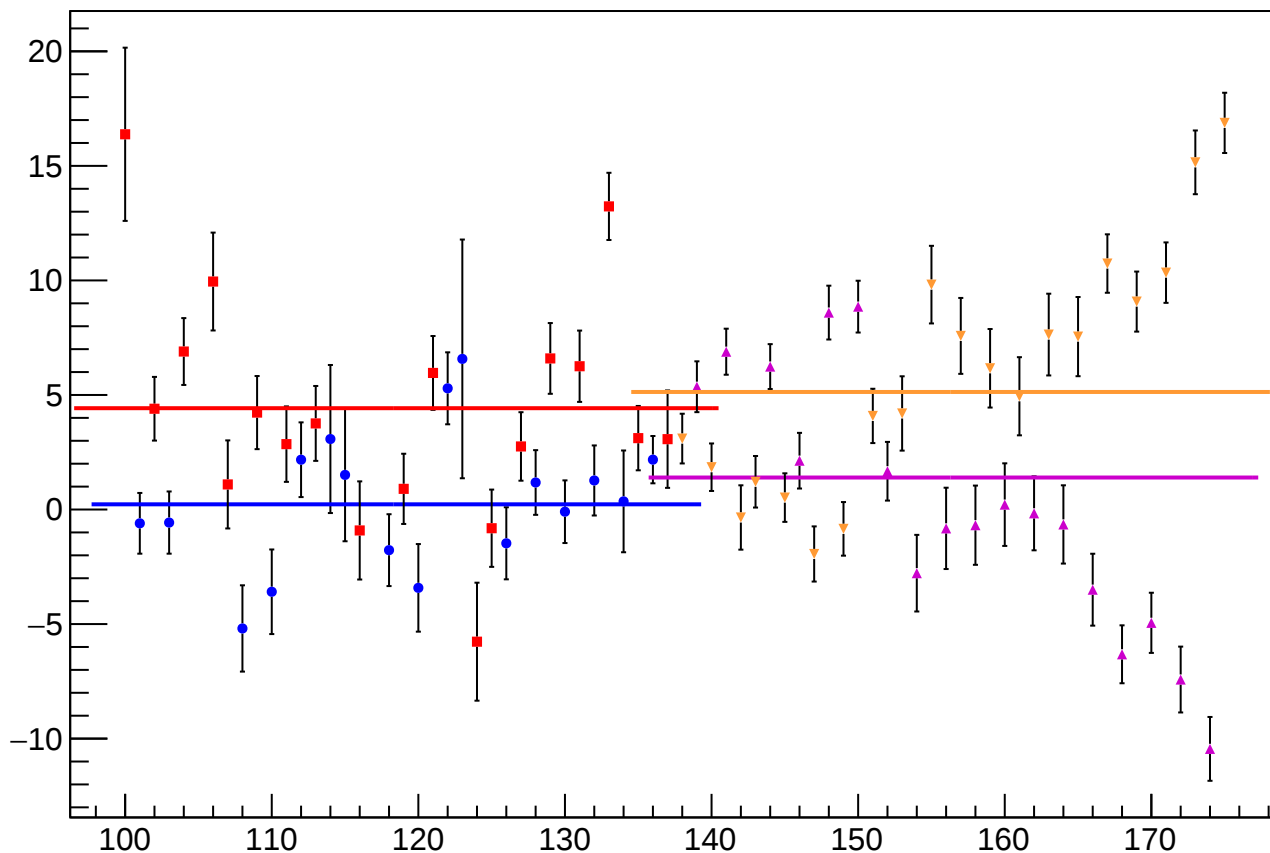
Left In: 1052.959 ± 0.205 $\chi^2/\text{NDF}: 1174006.7/17$

+ sign 981.948 ± 0.152 $\chi^2/\text{NDF}: 1624529.4/36$

All: 985.390 ± 0.109 $\chi^2/\text{NDF}: 3145173.5/73$

- sign 988.998 ± 0.156 $\chi^2/\text{NDF}: 1519593.4/36$

diff_bpm2i01Y_mean vs Slug



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

Left Out: 5.131 ± 0.296 χ^2/NDF : 311.3/19

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

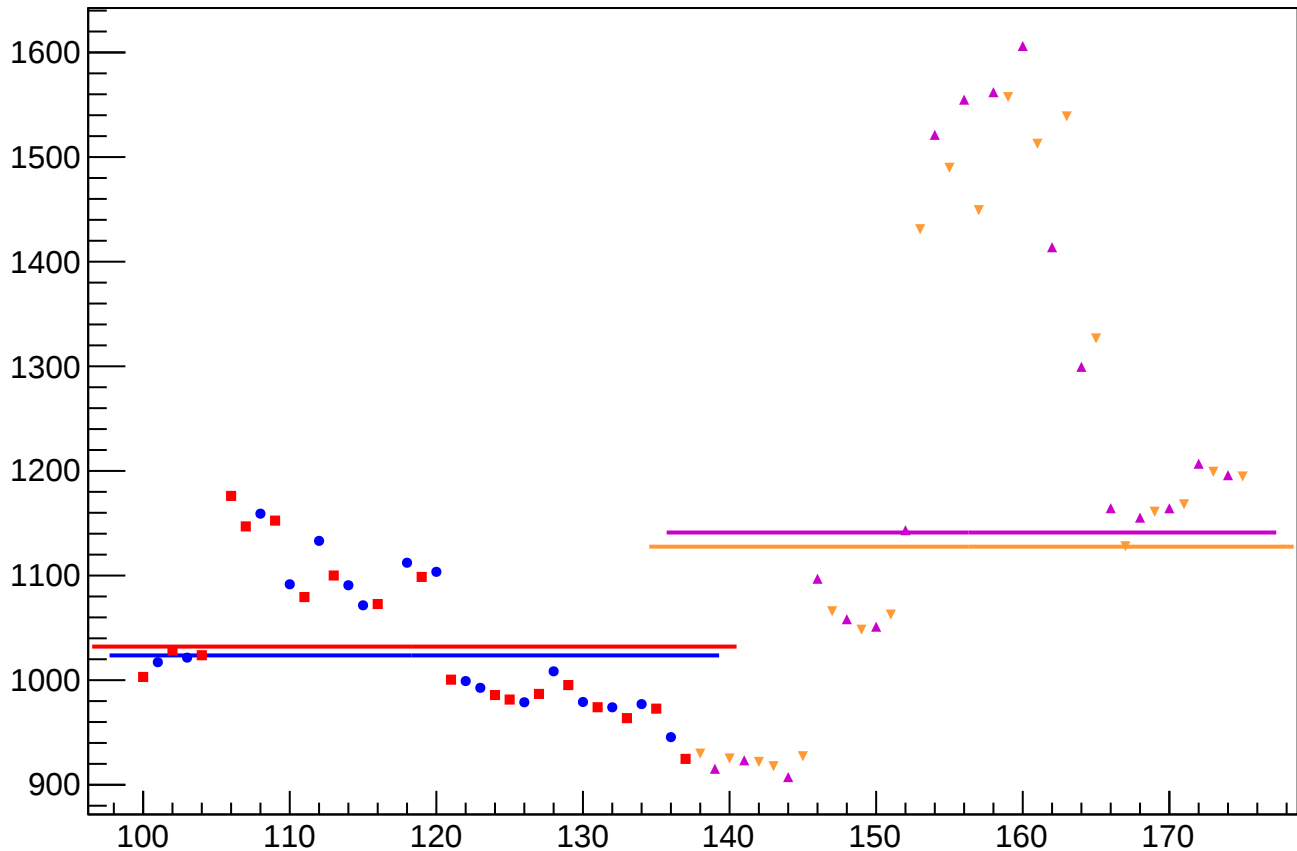
Left In: 1.397 ± 0.312 χ^2/NDF : 340.9/17

+ sign 3.365 ± 0.237 χ^2/NDF : 448.5/36

All: 2.986 ± 0.170 χ^2/NDF : 935.1/73

- sign 2.588 ± 0.243 χ^2/NDF : 481.3/36

diff_bpm2i01Y_rms vs Slug



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

Left Out: 1127.610+/-0.210 χ^2/NDF : 957935.3/19

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

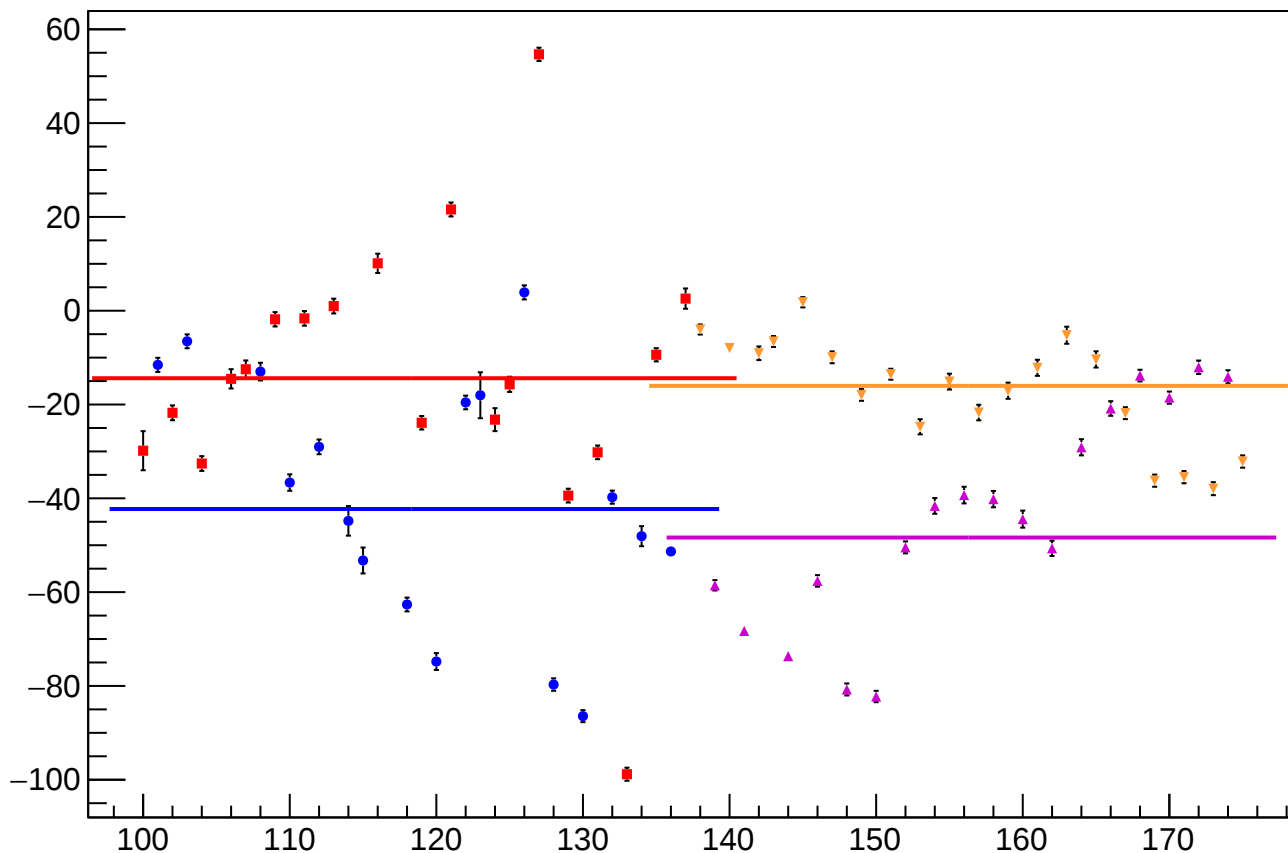
Left In: 1141.140+/-0.220 χ^2/NDF : 862380.1/17

+ sign 1090.178+/-0.168 χ^2/NDF : 1098961.2/36

All: 1094.097+/-0.120 χ^2/NDF : 2118233.6/73

- sign 1098.205+/-0.172 χ^2/NDF : 1018152.5/36

diff_bpm2i02X_mean vs Slug



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

Left Out: -16.020 ± 0.301 χ^2/NDF : 1540.4/19

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

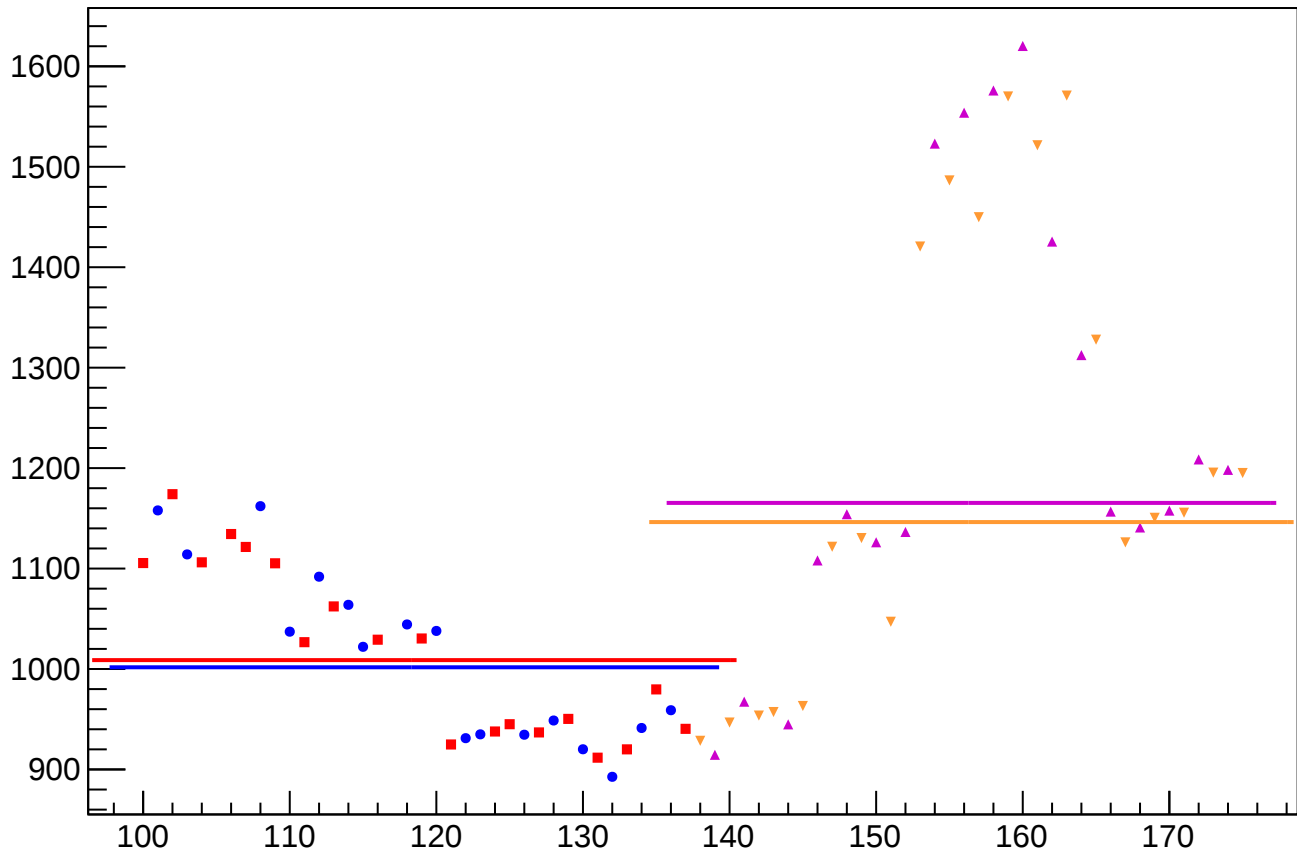
Left In: -48.365 ± 0.318 χ^2/NDF : 5571.9/17

+ sign -25.905 ± 0.238 χ^2/NDF : 9536.1/36

All: -30.008 ± 0.170 χ^2/NDF : 28114.5/73

- sign -34.315 ± 0.243 χ^2/NDF : 17966.8/36

diff_bpm2i02X_rms vs Slug



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

Left Out: 1146.283 $\pm$ 0.213 χ^2 /NDF: 867472.4/19

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

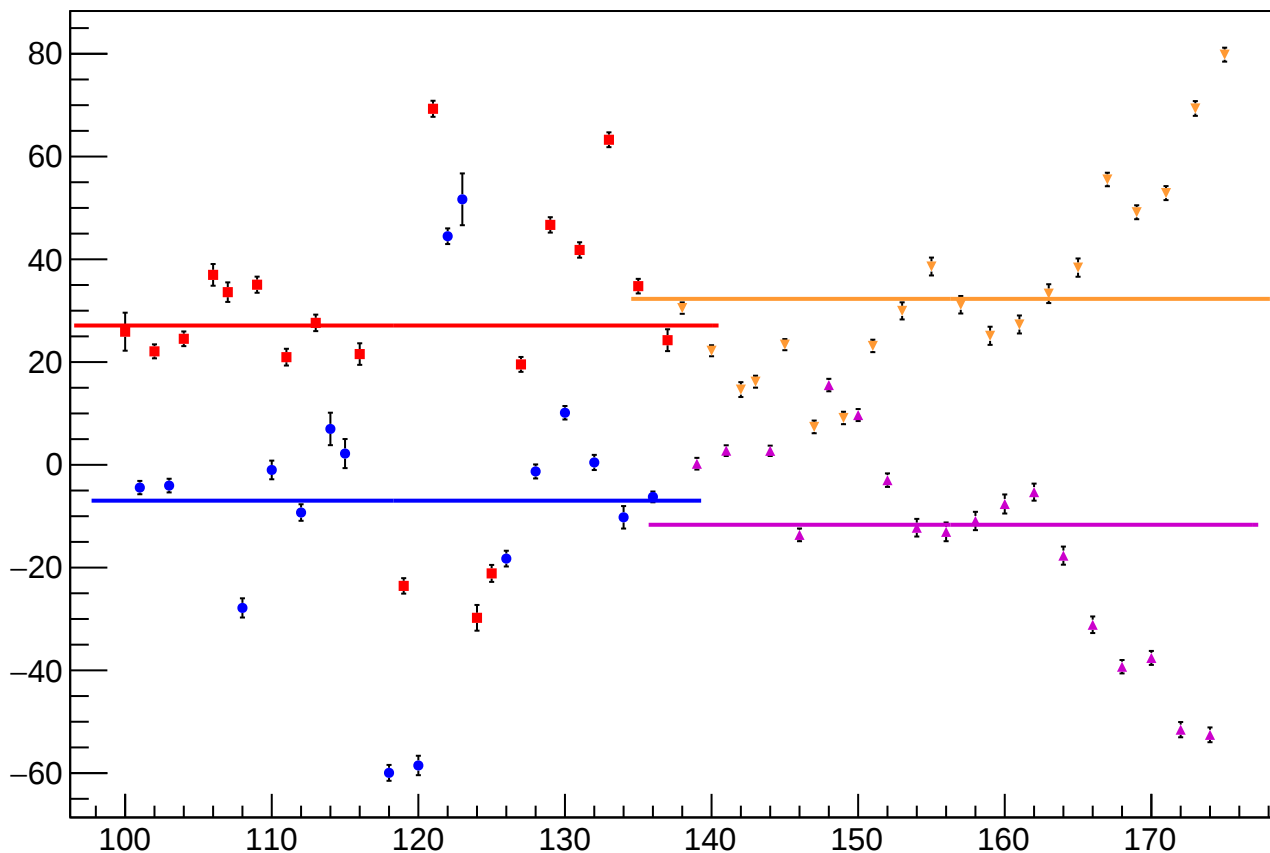
Left In: 1165.360 $\pm$ 0.225 χ^2 /NDF: 765989.3/17

+ sign 1091.857 $\pm$ 0.168 χ^2 /NDF: 1136892.0/36

All: 1096.138 $\pm$ 0.120 χ^2 /NDF: 2200150.5/73

- sign 1100.632 $\pm$ 0.172 χ^2 /NDF: 1061926.9/36

diff_bpm2i02Y_mean vs Slug



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

Left Out: 32.302 ± 0.305 χ^2/NDF : 3961.2/19

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

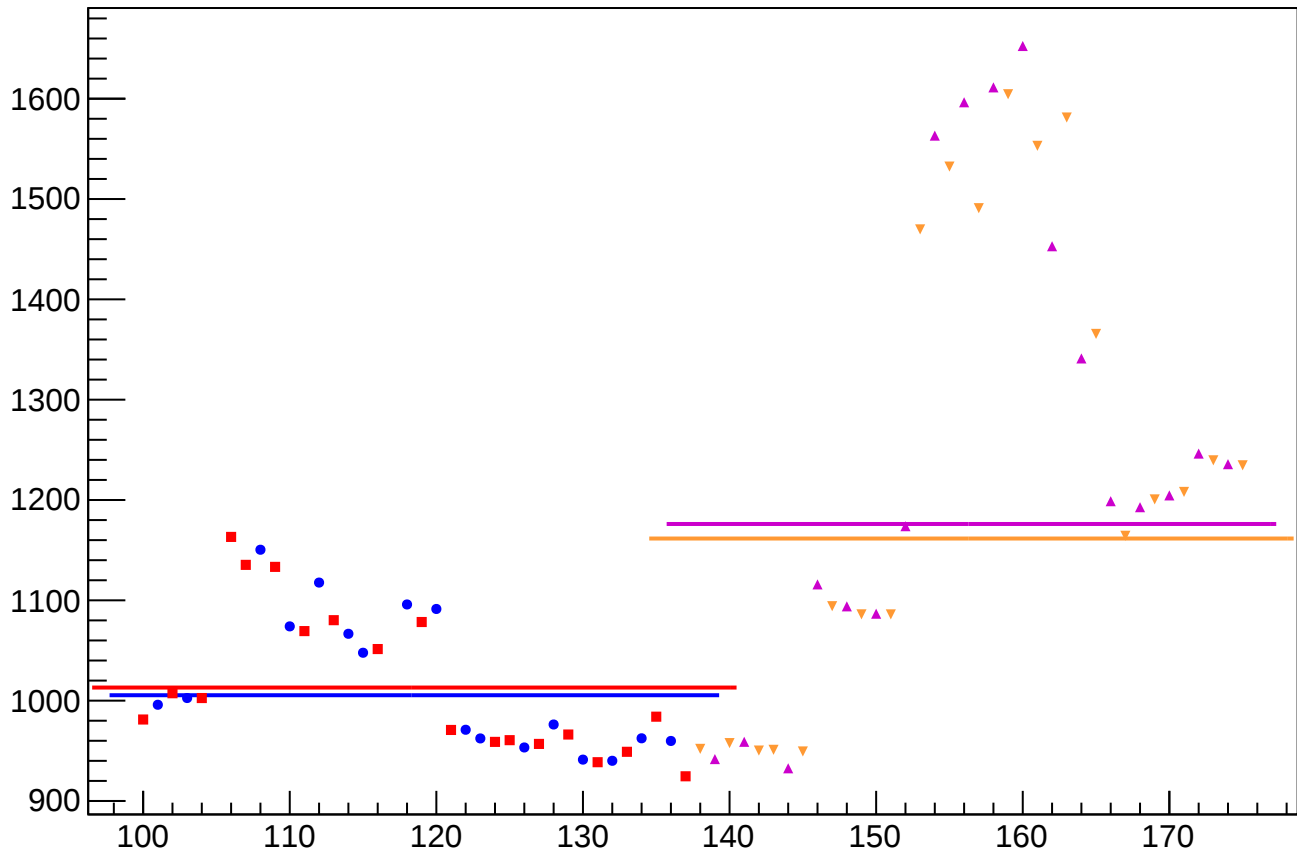
Left In: -11.664 ± 0.321 χ^2/NDF : 3903.0/17

+ sign 17.288 ± 0.240 χ^2/NDF : 13929.5/36

All: 11.041 ± 0.171 χ^2/NDF : 29586.2/73

- sign 4.514 ± 0.245 χ^2/NDF : 14269.6/36

diff_bpm2i02Y_rms vs Slug



Right In: 1005.409 $\pm$ 0.274 χ^2 /NDF: 54586.0/16

Left Out: 1161.603 $\pm$ 0.216 χ^2 /NDF: 955601.9/19

Right Out: 1013.064 $\pm$ 0.268 χ^2 /NDF: 63265.7/18

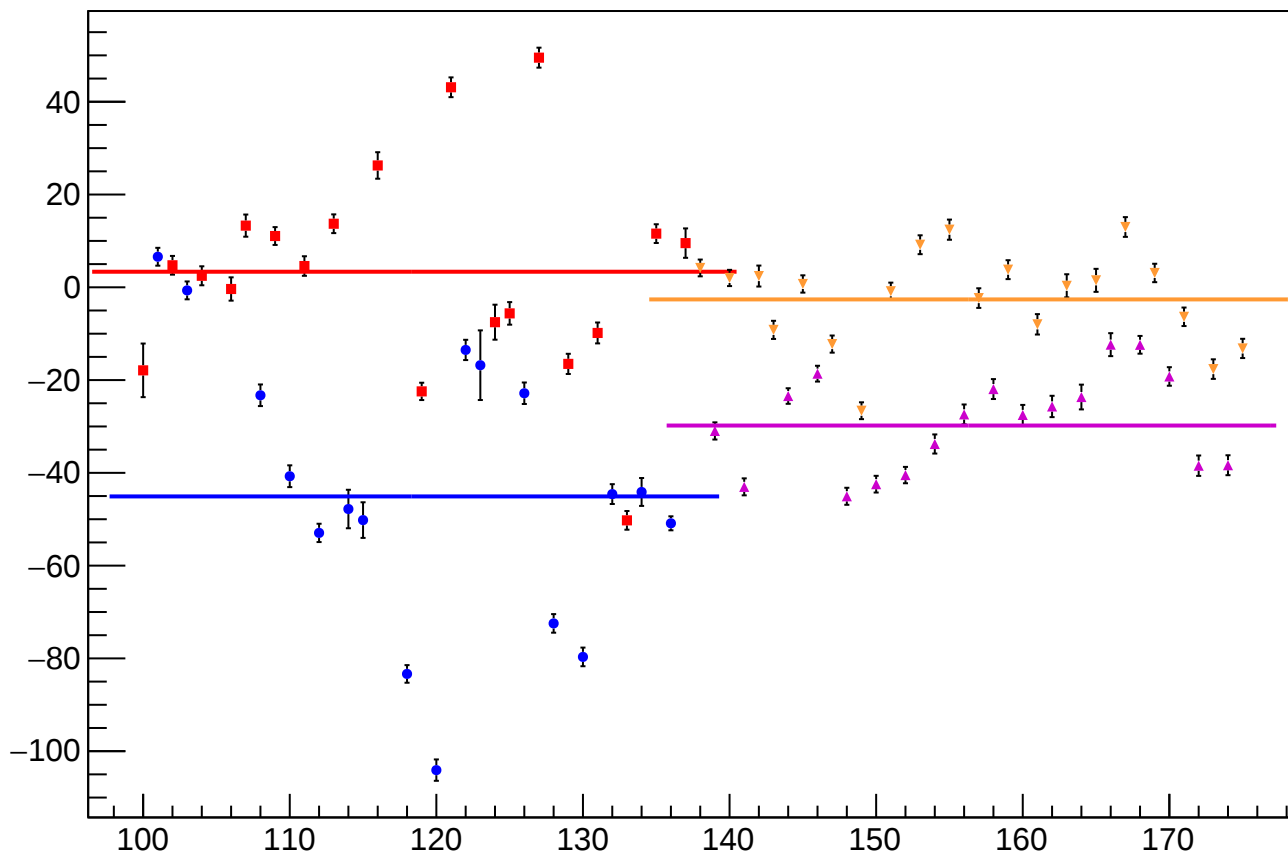
Left In: 1176.096 $\pm$ 0.227 χ^2 /NDF: 855389.2/17

+ sign 1101.897 $\pm$ 0.170 χ^2 /NDF: 1210451.3/36

All: 1104.922 $\pm$ 0.121 χ^2 /NDF: 2344778.9/73

- sign 1108.083 $\pm$ 0.173 χ^2 /NDF: 1133676.9/36

diff_bpm0i02X_mean vs Slug



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

Left Out: -2.611 ± 0.452 χ^2/NDF : 487.2/19

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

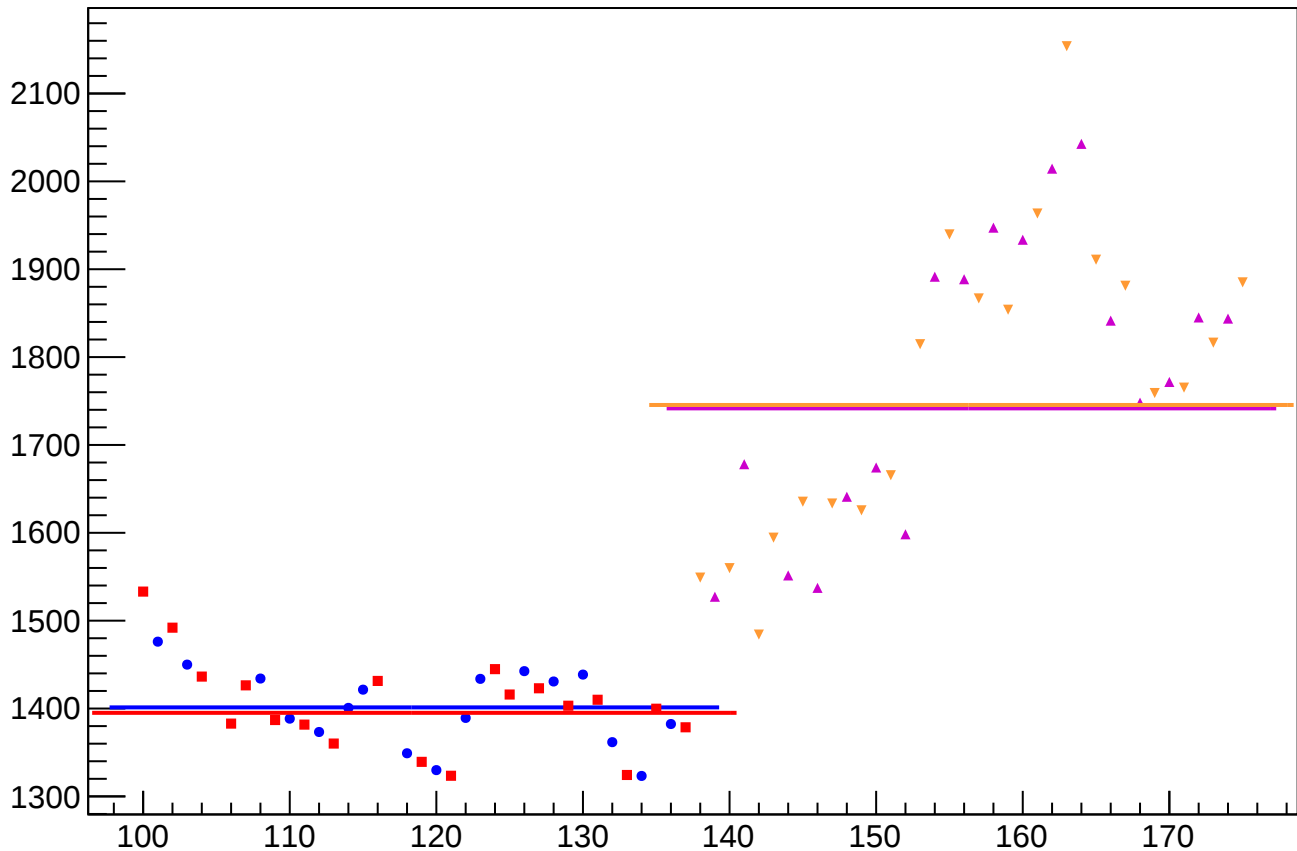
Left In: -29.800 ± 0.469 χ^2/NDF : 484.8/17

+ sign -20.120 ± 0.347 χ^2/NDF : 7364.9/36

All: -17.565 ± 0.246 χ^2/NDF : 12197.3/73

- sign -14.975 ± 0.349 χ^2/NDF : 4723.0/36

diff_bpm0i02X_rms vs Slug



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

Left Out: 1745.496+/-0.320 χ^2/NDF : 244054.1/19

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

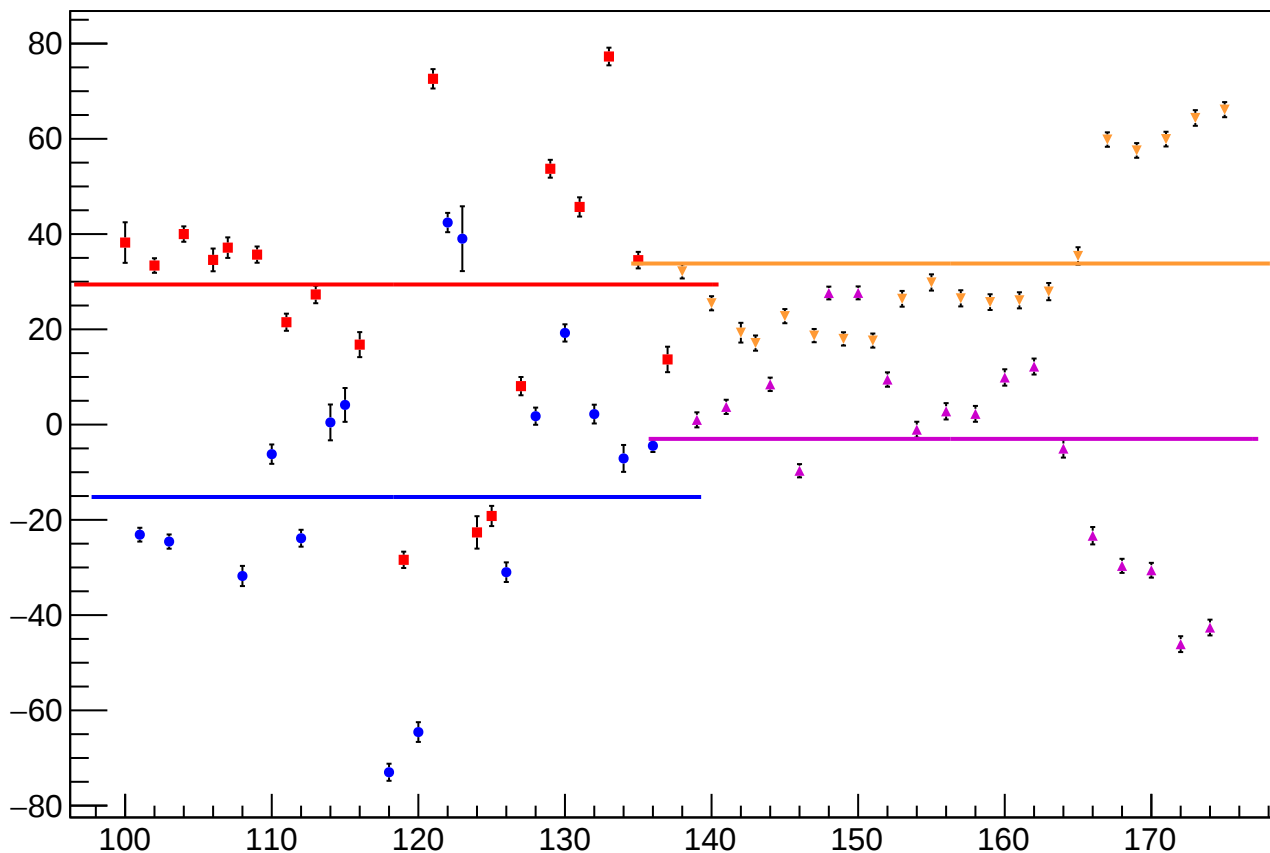
Left In: 1741.624+/-0.332 χ^2/NDF : 226086.8/17

+ sign 1603.601+/-0.245 χ^2/NDF : 735001.3/36

All: 1595.208+/-0.174 χ^2/NDF : 1466620.0/73

- sign 1586.699+/-0.247 χ^2/NDF : 729255.9/36

diff_bpm0i02Y_mean vs Slug



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

Left Out: 33.820 ± 0.356 χ^2/NDF : 2289.5/19

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

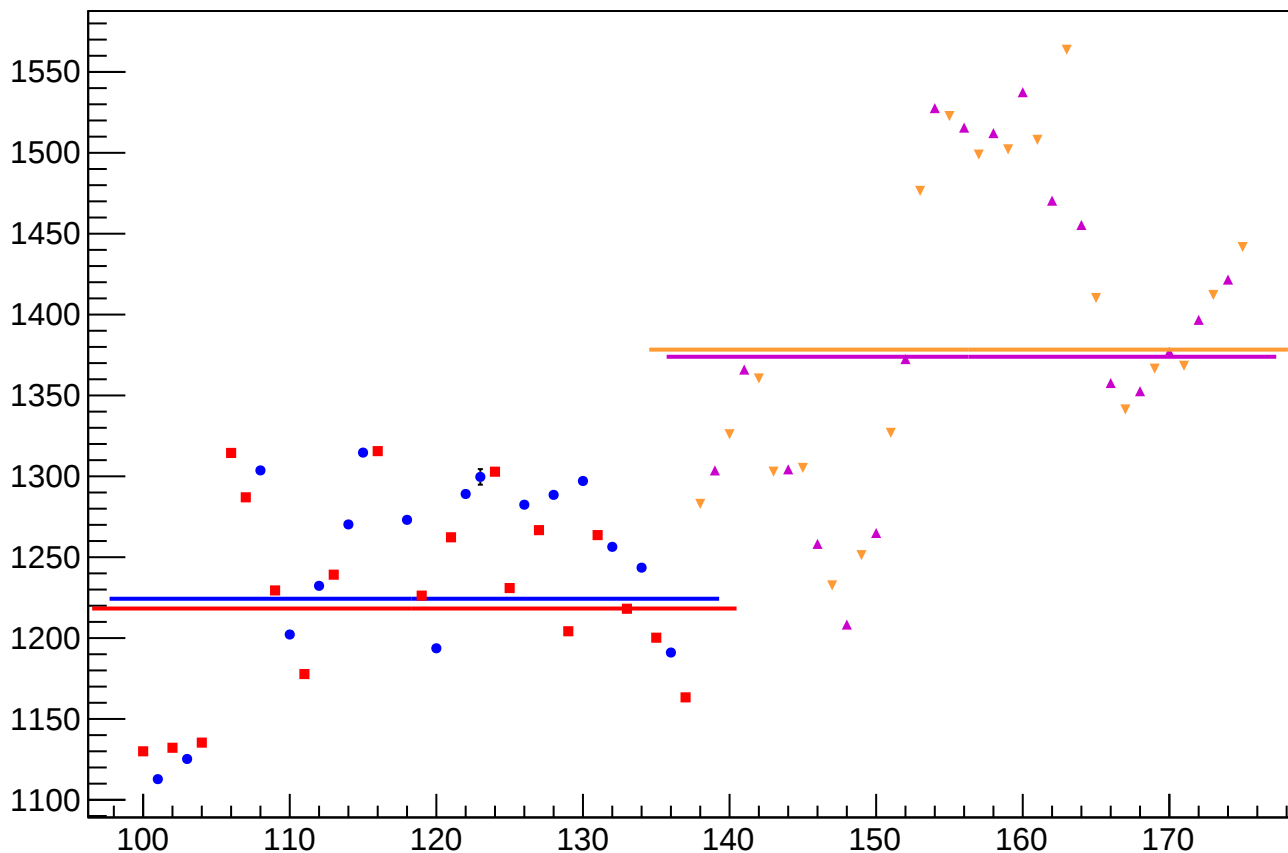
Left In: -3.002 ± 0.369 χ^2/NDF : 3382.4/17

+ sign 16.029 ± 0.284 χ^2/NDF : 12520.6/36

All: 12.961 ± 0.202 χ^2/NDF : 22733.4/73

- sign 9.835 ± 0.287 χ^2/NDF : 9977.8/36

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1378.334+/-0.252 χ^2/NDF : 142420.0/19

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

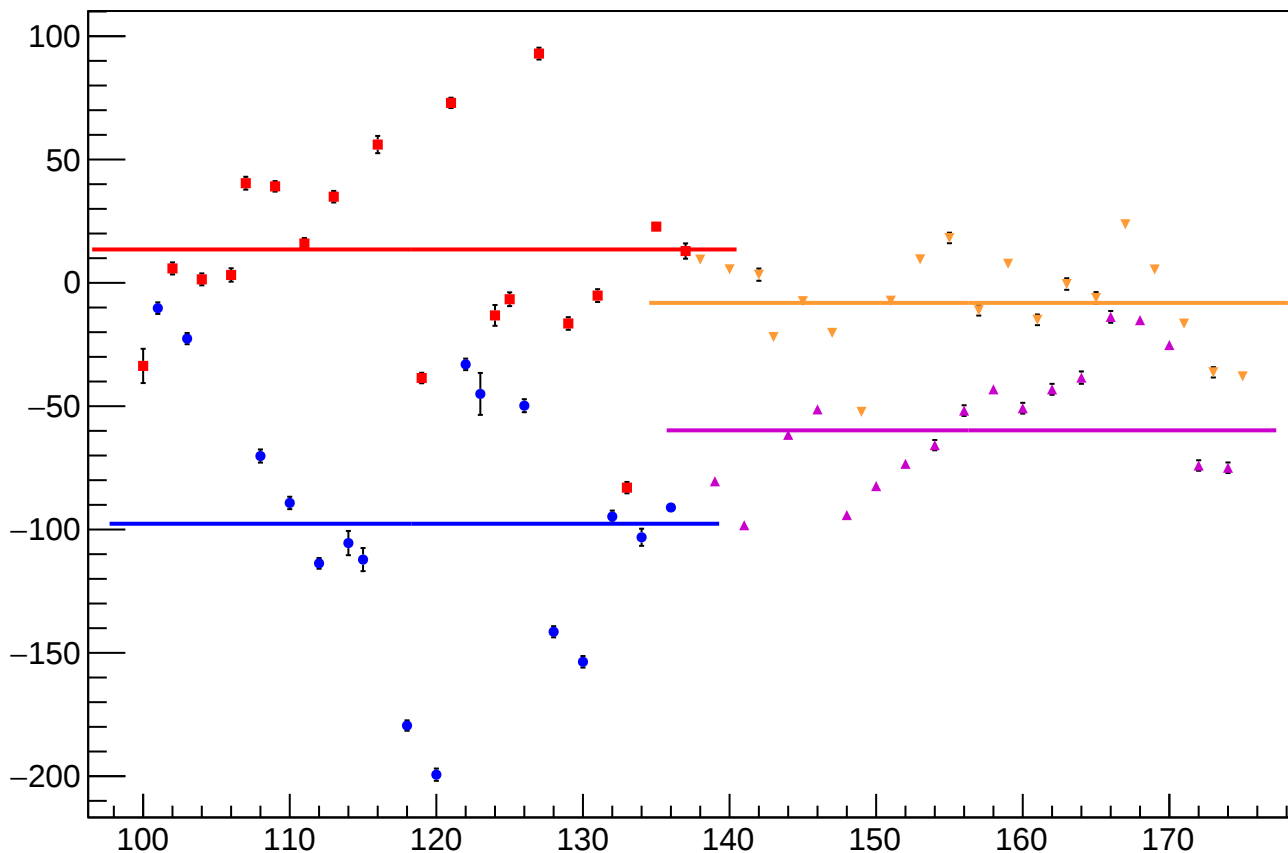
Left In: 1373.917+/-0.261 χ^2/NDF : 141444.2/17

+ sign 1322.441+/-0.201 χ^2/NDF : 316797.6/36

All: 1317.412+/-0.143 χ^2/NDF : 627697.2/73

- sign 1312.289+/-0.203 χ^2/NDF : 309637.3/36

diff_bpm0i02aX_mean vs Slug



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

Left Out: -8.123 ± 0.449 χ^2/NDF : 1873.3/19

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

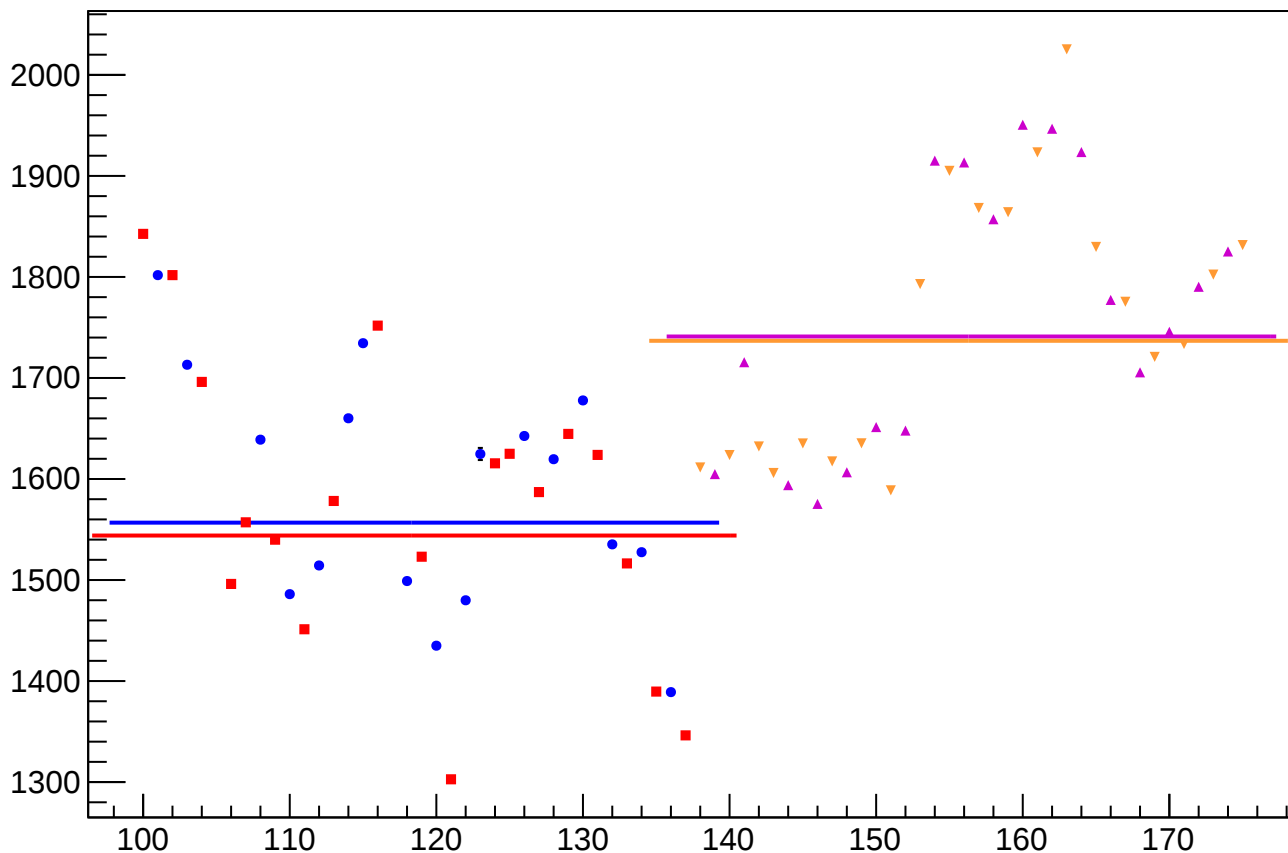
Left In: -59.795 ± 0.468 χ^2/NDF : 2728.0/17

+ sign -40.187 ± 0.360 χ^2/NDF : 24040.5/36

All: -35.561 ± 0.256 χ^2/NDF : 41922.9/73

- sign -30.825 ± 0.364 χ^2/NDF : 17548.0/36

diff_bpm0i02aX_rms vs Slug



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

Left Out: 1736.793 $\pm$ 0.318 χ^2 /NDF: 148499.0/19

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

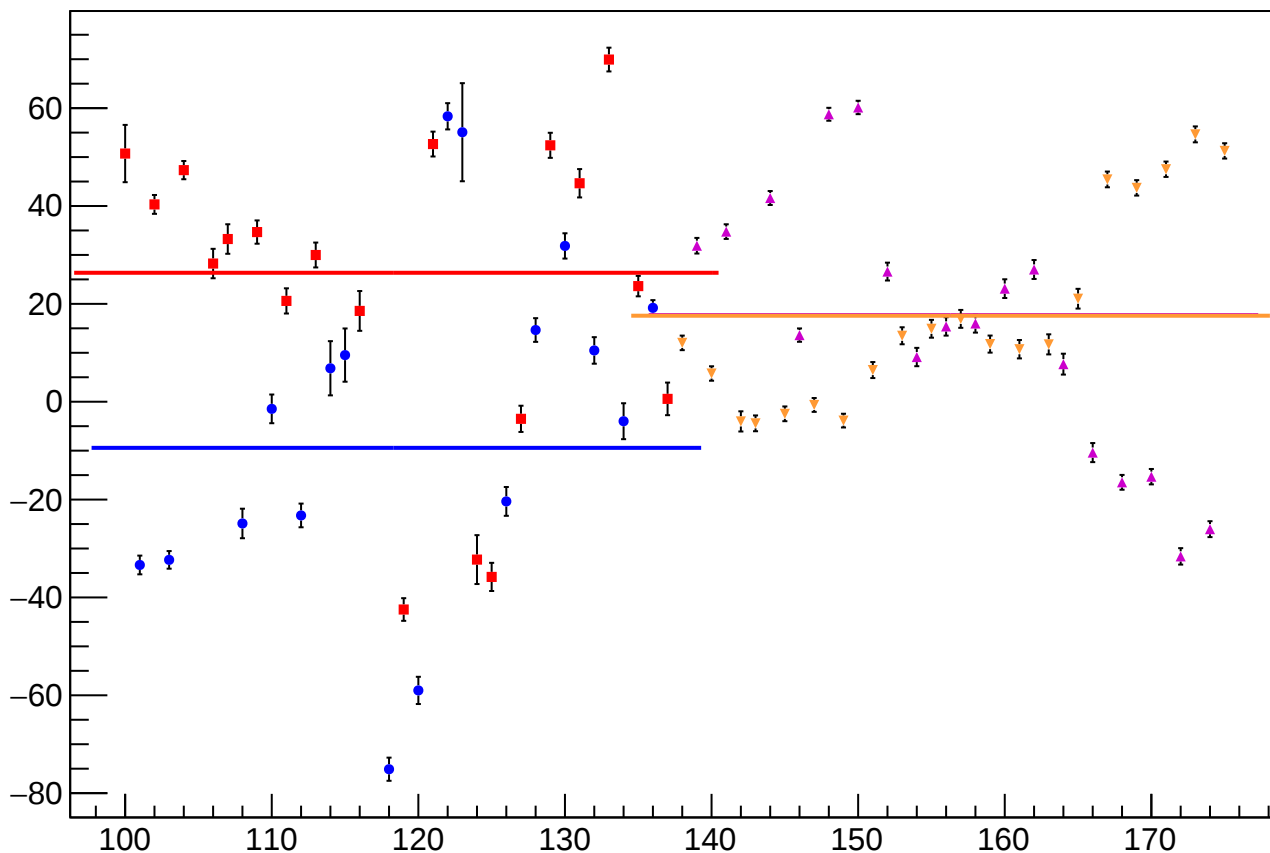
Left In: 1741.044 $\pm$ 0.331 χ^2 /NDF: 149002.5/17

+ sign 1672.335 $\pm$ 0.254 χ^2 /NDF: 345073.6/36

All: 1667.829 $\pm$ 0.181 χ^2 /NDF: 735110.3/73

- sign 1663.216 $\pm$ 0.257 χ^2 /NDF: 389402.2/36

diff_bpm0i02aY_mean vs Slug



Right In: -9.427 ± 0.626 χ^2/NDF : 2924.1/16

Left Out: 17.580 ± 0.369 χ^2/NDF : 2956.8/19

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

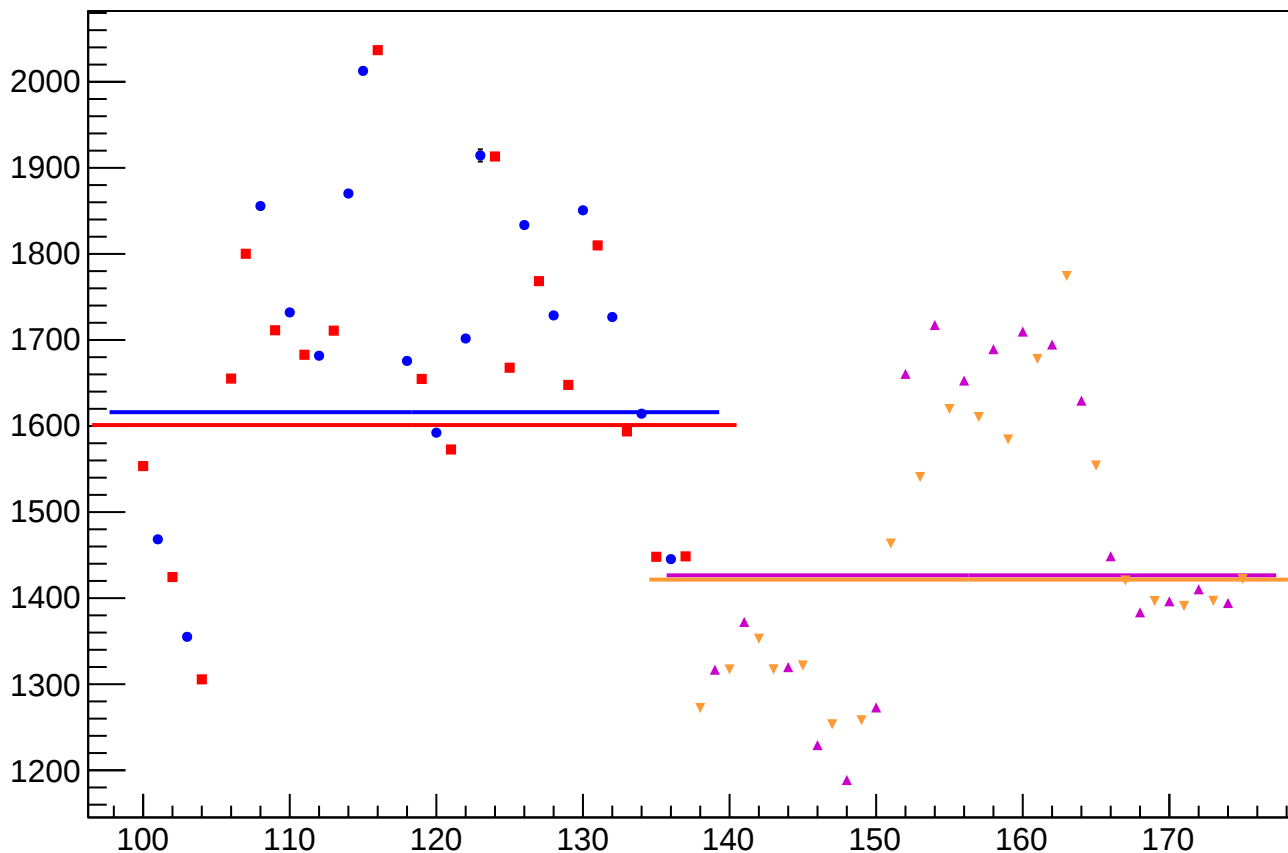
Left In: 17.708 ± 0.386 χ^2/NDF : 5267.7/17

+ sign 10.630 ± 0.318 χ^2/NDF : 7261.2/36

All: 15.319 ± 0.227 χ^2/NDF : 15592.1/73

- sign 20.218 ± 0.325 χ^2/NDF : 7885.7/36

diff_bpm0i02aY_rms vs Slug



Right In: 1616.094 $\pm$ 0.443 χ^2 /NDF: 149596.3/16

Left Out: 1421.553 $\pm$ 0.261 χ^2 /NDF: 284586.7/19

Right Out: 1601.134 $\pm$ 0.426 χ^2 /NDF: 153651.5/18

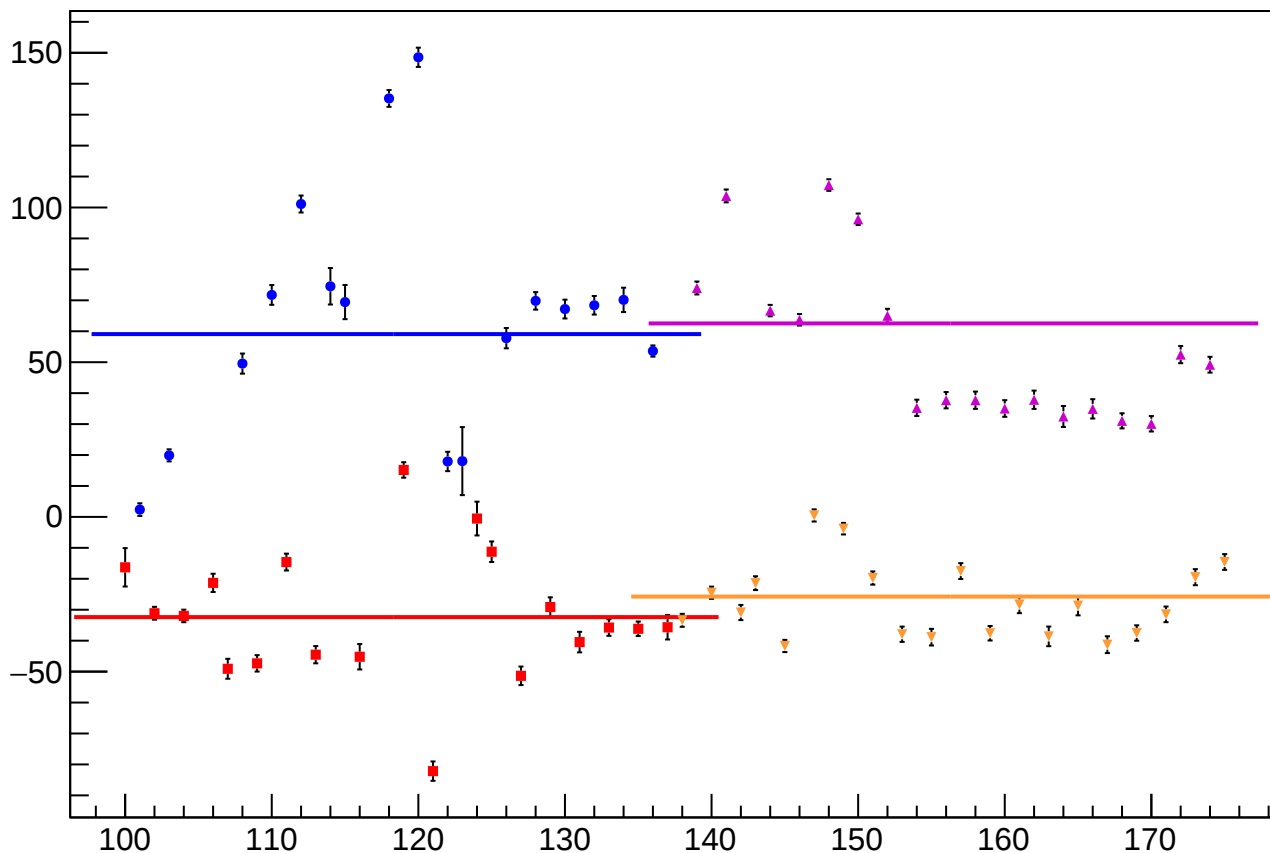
Left In: 1426.501 $\pm$ 0.273 χ^2 /NDF: 408976.5/17

+ sign 1471.612 $\pm$ 0.225 χ^2 /NDF: 577425.9/36

All: 1474.350 $\pm$ 0.161 χ^2 /NDF: 1259475.3/73

- sign 1477.210 $\pm$ 0.230 χ^2 /NDF: 681745.9/36

diff_bpm0i05X_mean vs Slug



Right In: 59.081 ± 0.699 χ^2/NDF : 3293.6/16

Left Out: -25.749 ± 0.528 χ^2/NDF : 597.5/19

Right Out: -32.382 ± 0.666 χ^2/NDF : 891.5/18

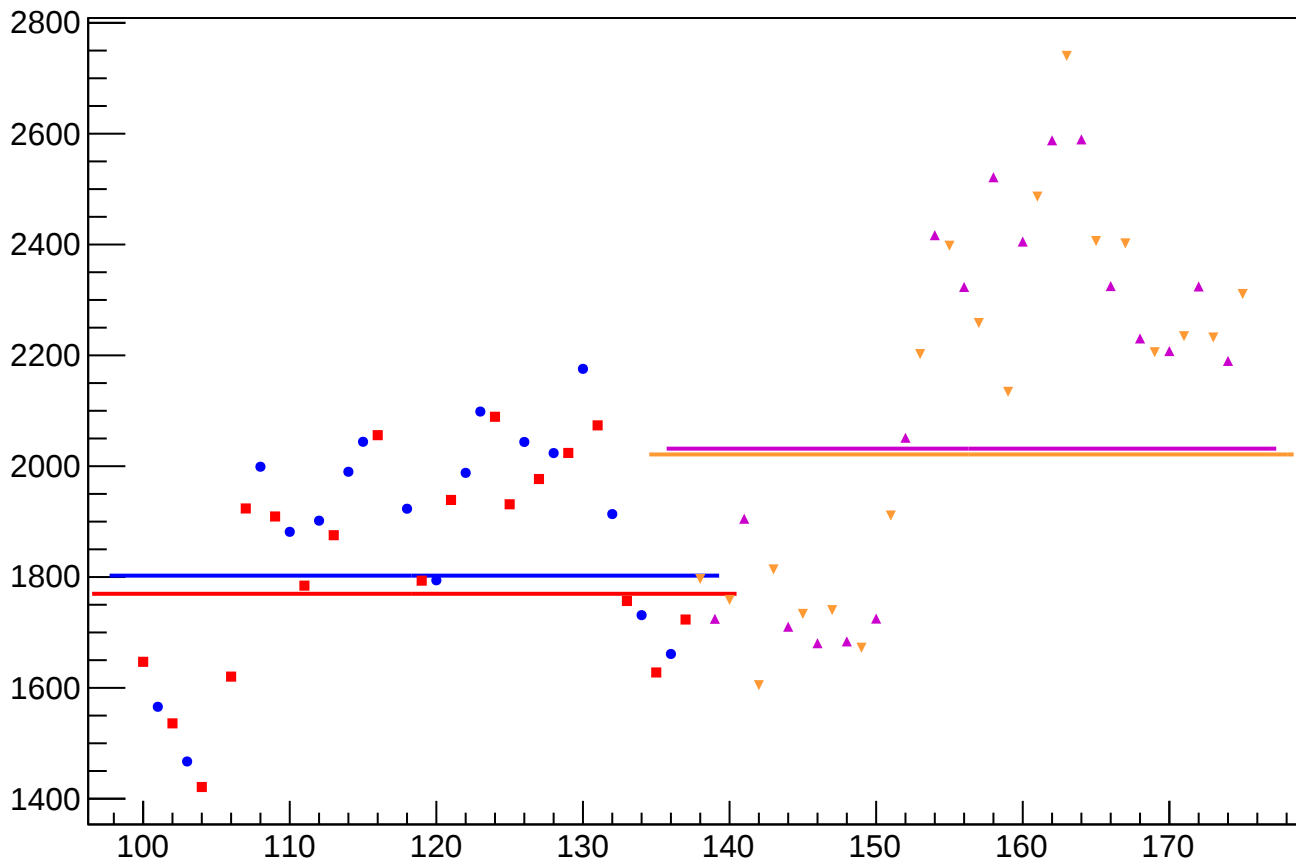
Left In: 62.532 ± 0.552 χ^2/NDF : 2306.6/17

+ sign 5.013 ± 0.421 χ^2/NDF : 13266.1/36

All: 14.370 ± 0.299 χ^2/NDF : 29487.0/73

- sign 23.903 ± 0.425 χ^2/NDF : 15224.7/36

diff_bpm0i05X_rms vs Slug



Right In: 1802.524+/-0.495 χ^2/NDF : 184069.0/16

Left Out: 2021.201+/-0.373 χ^2/NDF : 655644.5/19

Right Out: 1769.772+/-0.471 χ^2/NDF : 177893.4/18

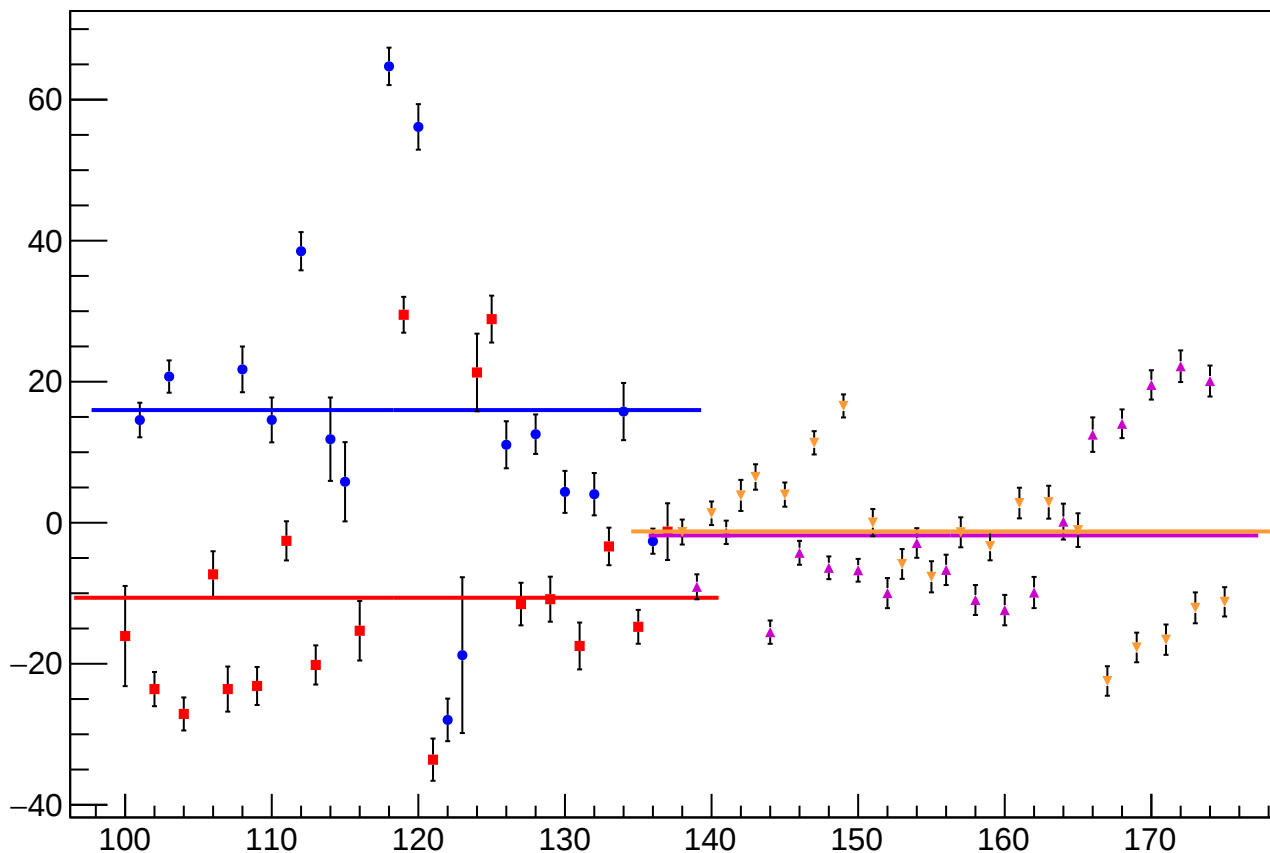
Left In: 2031.677+/-0.390 χ^2/NDF : 668652.1/17

+ sign 1941.901+/-0.298 χ^2/NDF : 964307.1/36

All: 1933.572+/-0.212 χ^2/NDF : 1995580.1/73

- sign 1925.086+/-0.301 χ^2/NDF : 1029694.4/36

diff_bpm0i05Y_mean vs Slug



Right In: 15.976 ± 0.722 χ^2/NDF : 938.4/16

Left Out: -1.235 ± 0.442 χ^2/NDF : 495.4/19

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

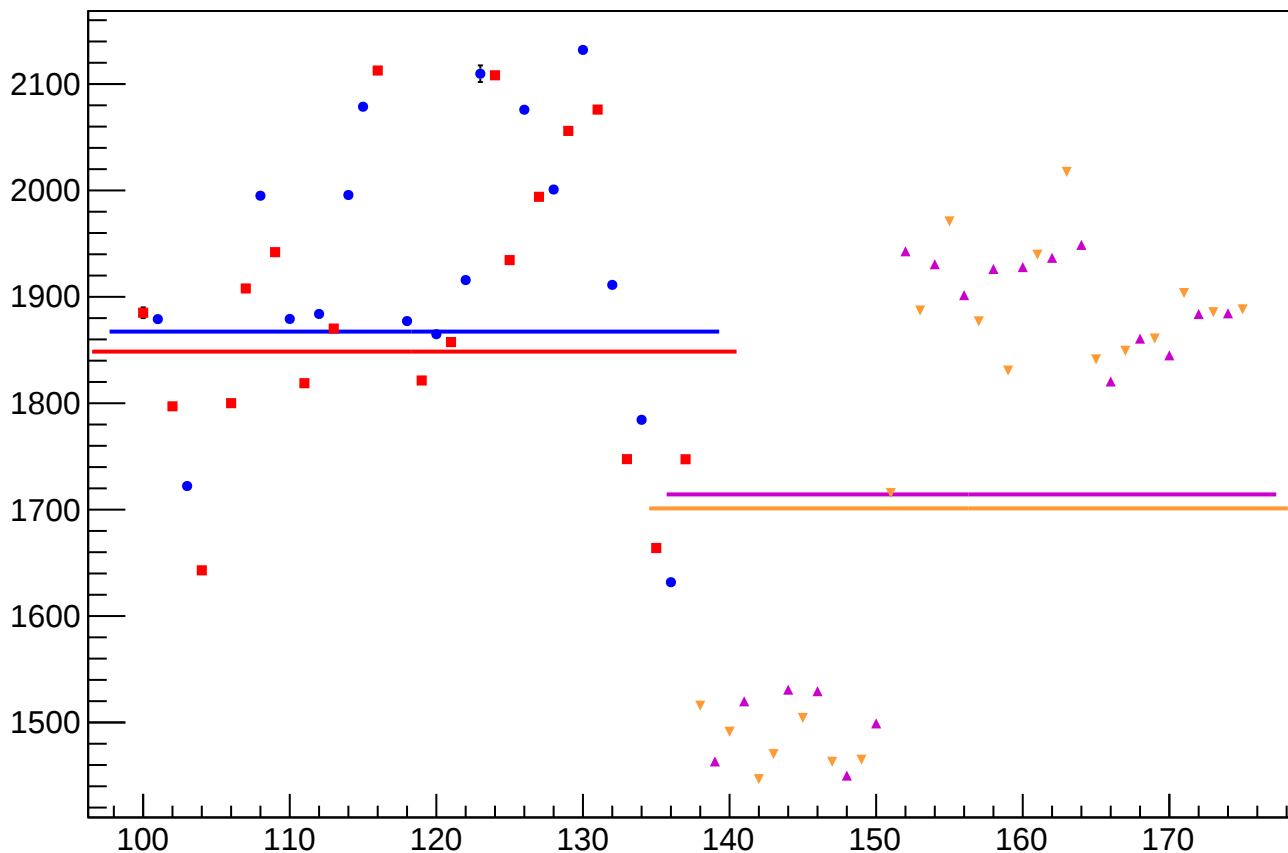
Left In: -1.801 ± 0.463 χ^2/NDF : 595.3/17

+ sign 3.461 ± 0.377 χ^2/NDF : 1847.4/36

All: -0.448 ± 0.269 χ^2/NDF : 3416.9/73

- sign -4.525 ± 0.385 χ^2/NDF : 1349.8/36

diff_bpm0i05Y_rms vs Slug



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

Left Out: 1701.163 $\pm$ 0.313 χ^2 /NDF: 427255.2/19

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

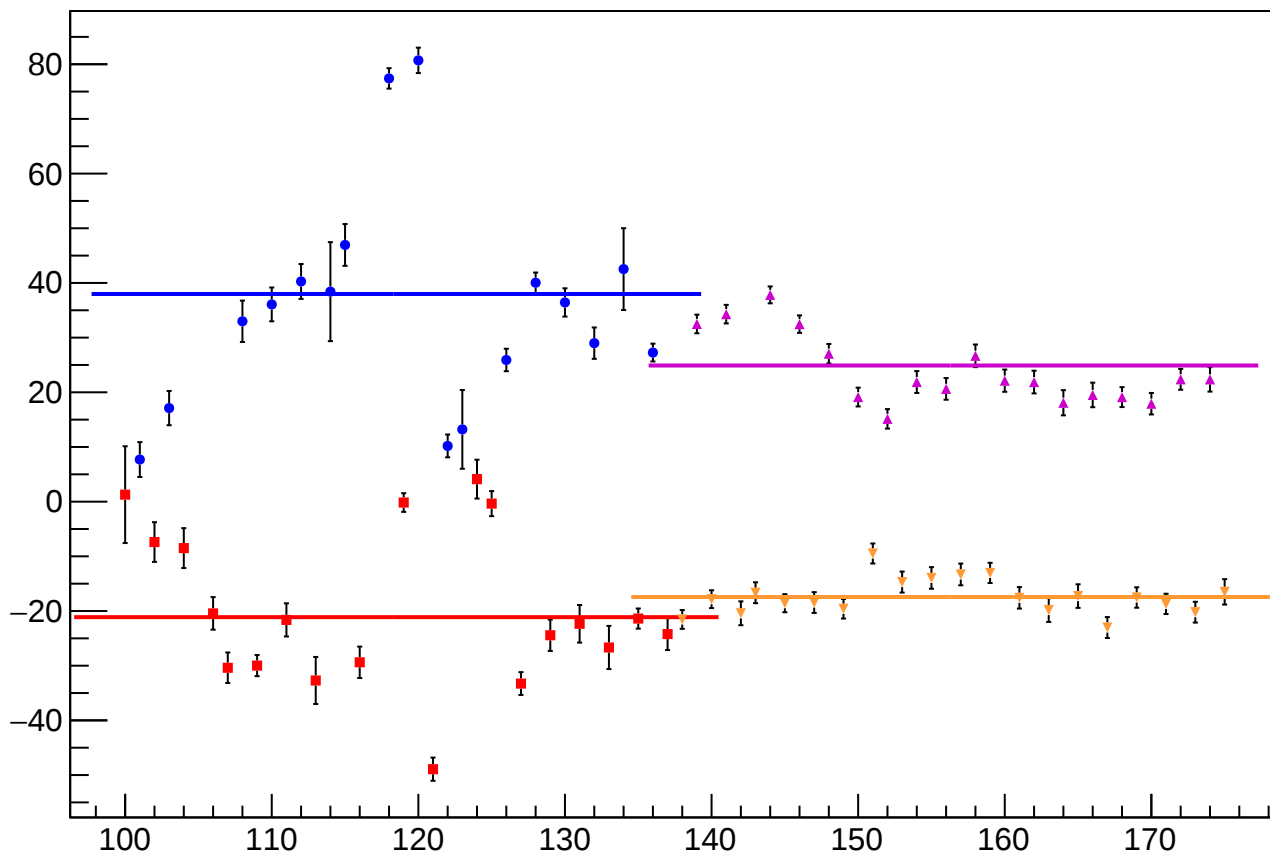
Left In: 1714.315 $\pm$ 0.327 χ^2 /NDF: 386808.4/17

+ sign 1746.503 $\pm$ 0.267 χ^2 /NDF: 585306.7/36

All: 1751.001 $\pm$ 0.190 χ^2 /NDF: 1097064.4/73

- sign 1755.693 $\pm$ 0.272 χ^2 /NDF: 511175.8/36

diff_bpm0i07X_mean vs Slug



Right In: 37.979 ± 0.637 χ^2/NDF : 1204.3/16

Left Out: -17.437 ± 0.426 χ^2/NDF : 56.5/19

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

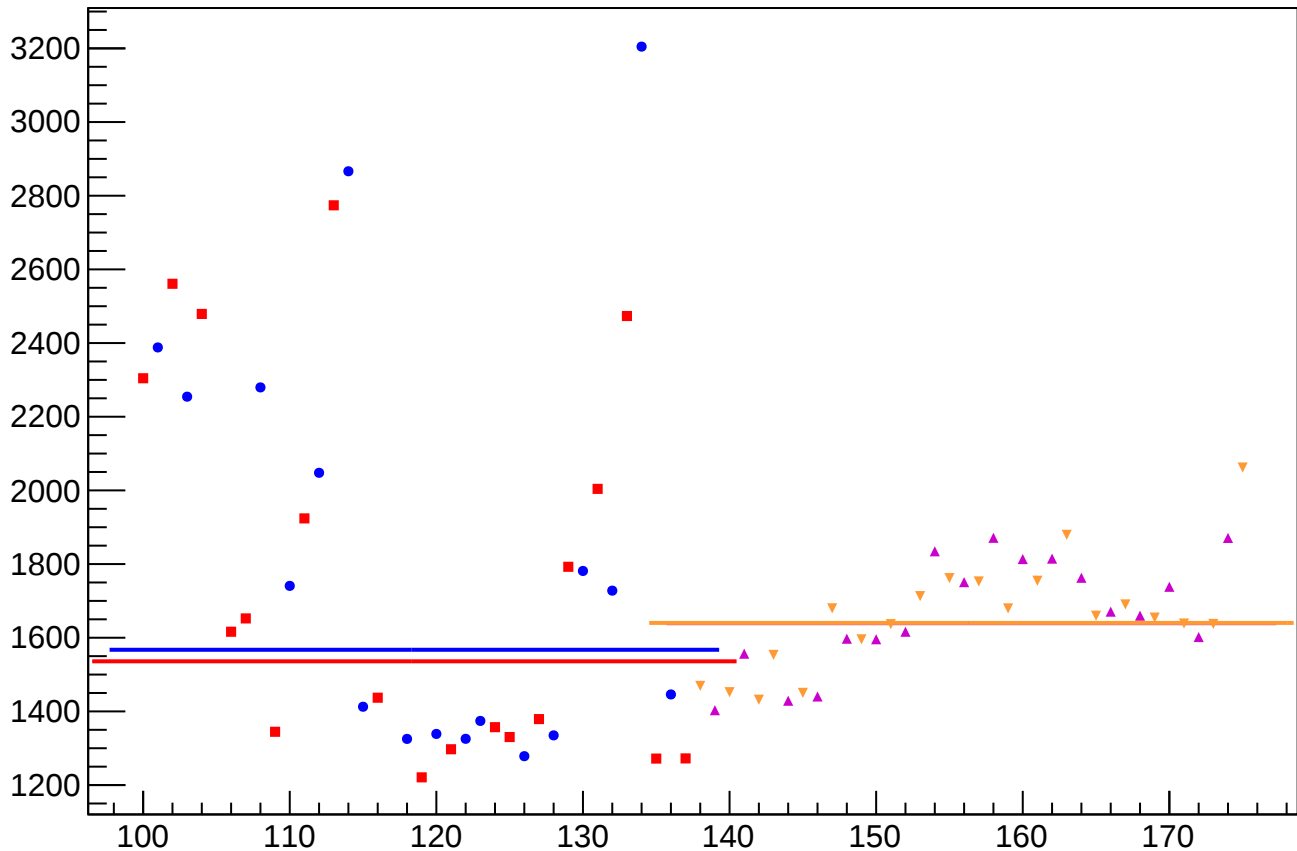
Left In: 24.899 ± 0.443 χ^2/NDF : 237.4/17

+ sign -0.350 ± 0.354 χ^2/NDF : 6489.4/36

All: 4.260 ± 0.252 χ^2/NDF : 11386.5/73

- sign 8.973 ± 0.358 χ^2/NDF : 4554.0/36

diff_bpm0i07X_rms vs Slug



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

Left Out: 1640.261 $\pm$ 0.301 χ^2 /NDF: 213638.4/19

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

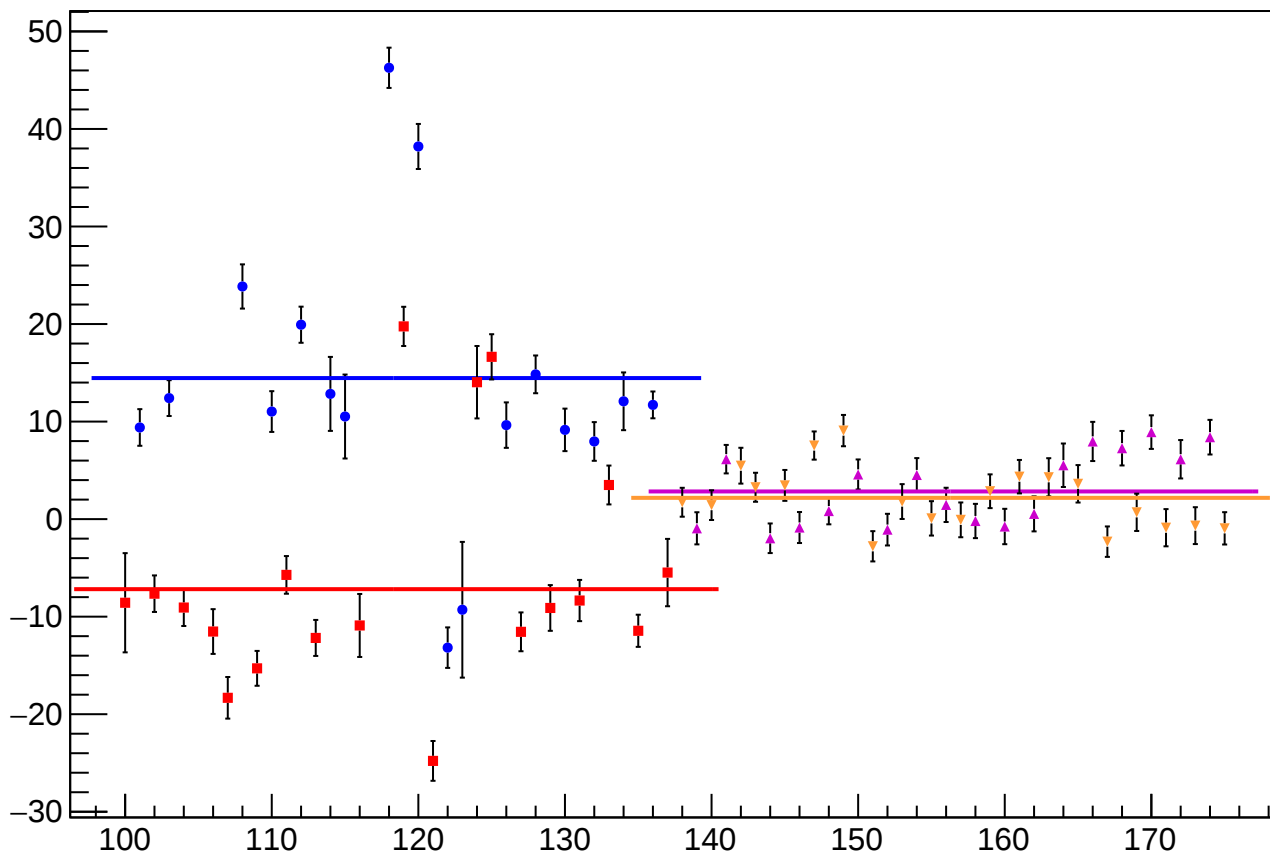
Left In: 1639.541 $\pm$ 0.313 χ^2 /NDF: 227358.8/17

+ sign 1617.773 $\pm$ 0.250 χ^2 /NDF: 905202.4/36

All: 1610.814 $\pm$ 0.178 χ^2 /NDF: 2054135.3/73

- sign 1603.699 $\pm$ 0.253 χ^2 /NDF: 1147369.1/36

diff_bpm0i07Y_mean vs Slug



Right In: 14.461 $\pm$ 0.523 χ^2 /NDF: 595.9/16

Left Out: 2.181 $\pm$ 0.376 χ^2 /NDF: 71.1/19

Right Out: -7.181 $\pm$ 0.494 χ^2 /NDF: 495.7/18

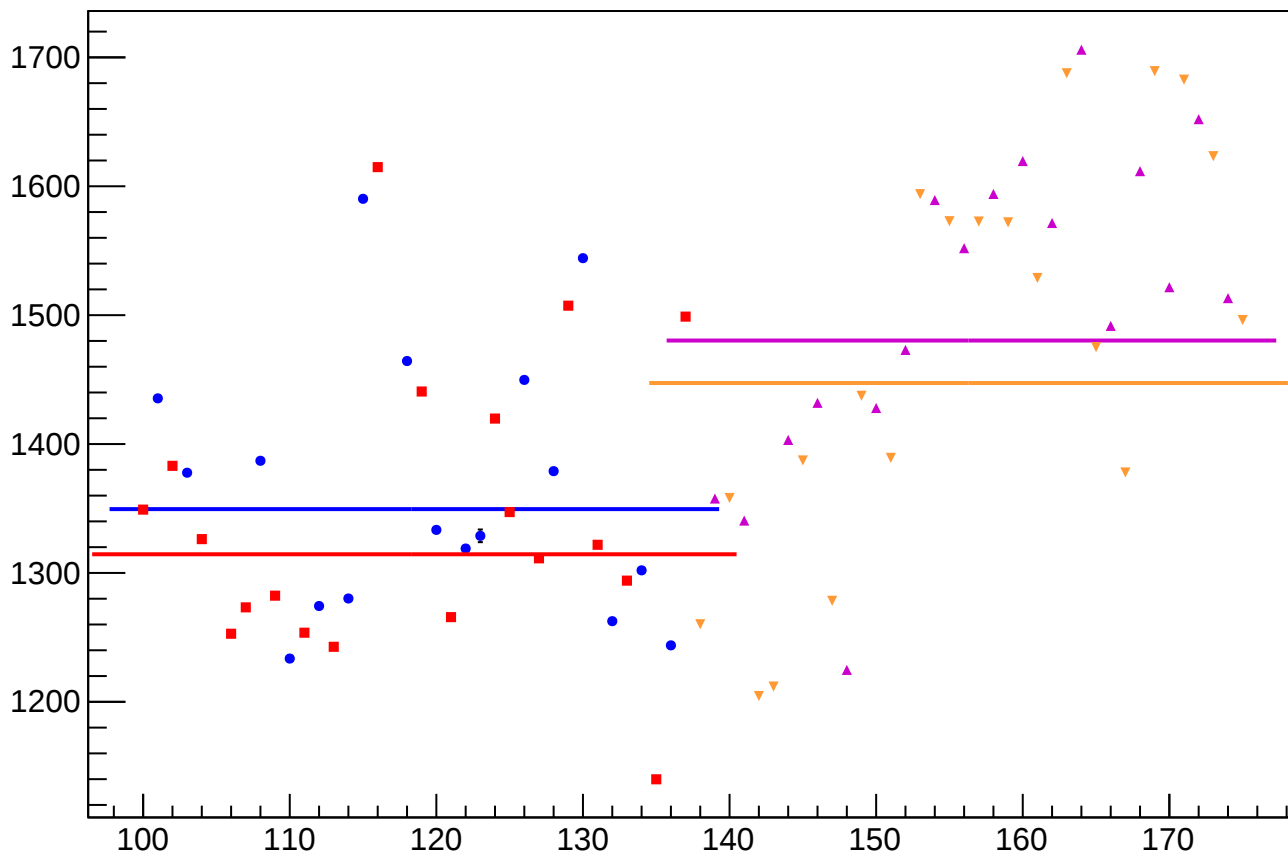
Left In: 2.837 $\pm$ 0.399 χ^2 /NDF: 84.6/17

+ sign 6.362 $\pm$ 0.305 χ^2 /NDF: 1030.3/36

All: 2.687 $\pm$ 0.218 χ^2 /NDF: 2154.0/73

- sign -1.112 $\pm$ 0.310 χ^2 /NDF: 829.0/36

diff_bpm0i07Y_rms vs Slug



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

Left Out: 1447.347 $\pm$ 0.266 χ^2 /NDF: 321568.0/19

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

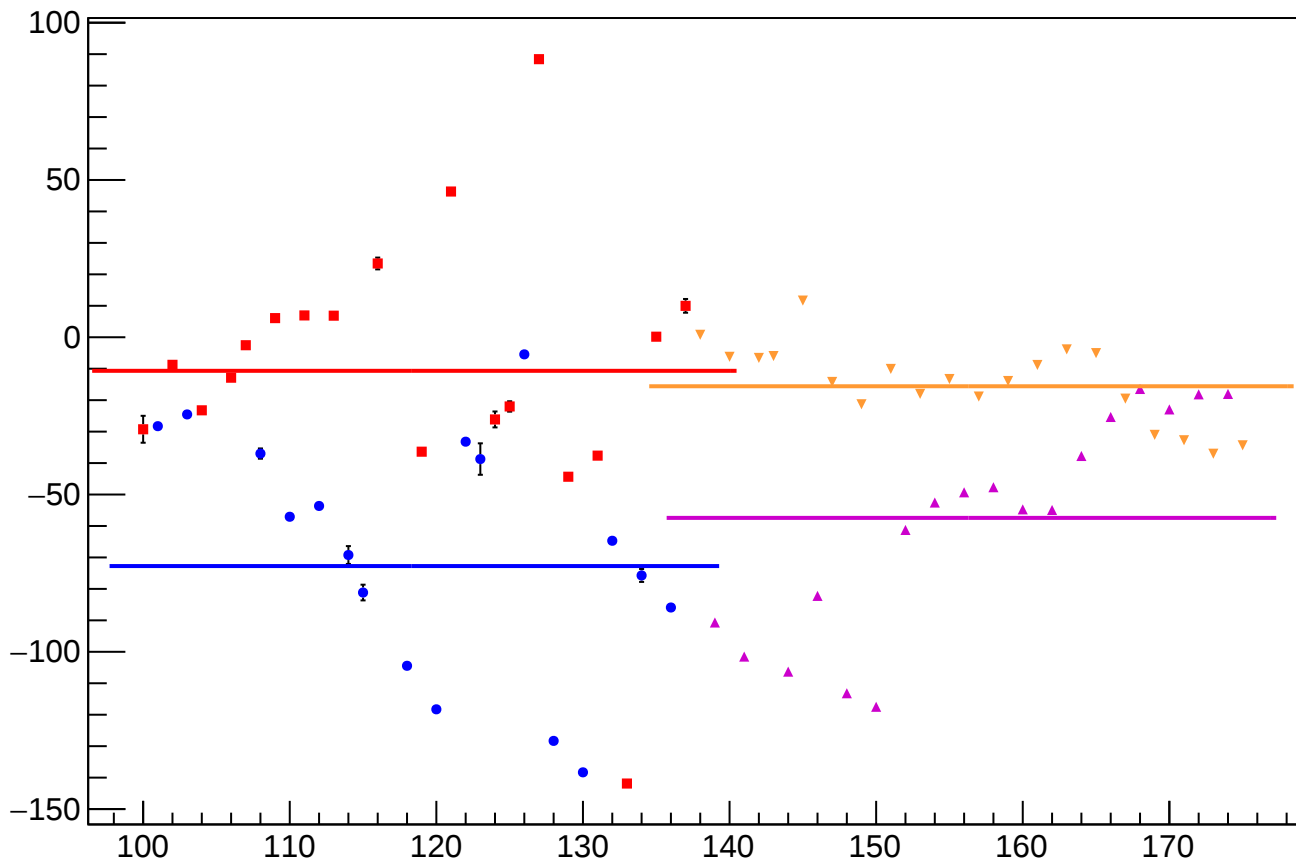
Left In: 1480.321 $\pm$ 0.282 χ^2 /NDF: 194459.8/17

+ sign 1414.041 $\pm$ 0.216 χ^2 /NDF: 432348.4/36

All: 1414.484 $\pm$ 0.154 χ^2 /NDF: 844098.8/73

- sign 1414.942 $\pm$ 0.219 χ^2 /NDF: 411741.8/36

diff_bpm1i02X_mean vs Slug



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

Left Out: -15.581 ± 0.235 $\chi^2/\text{NDF}: 2875.4/19$

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

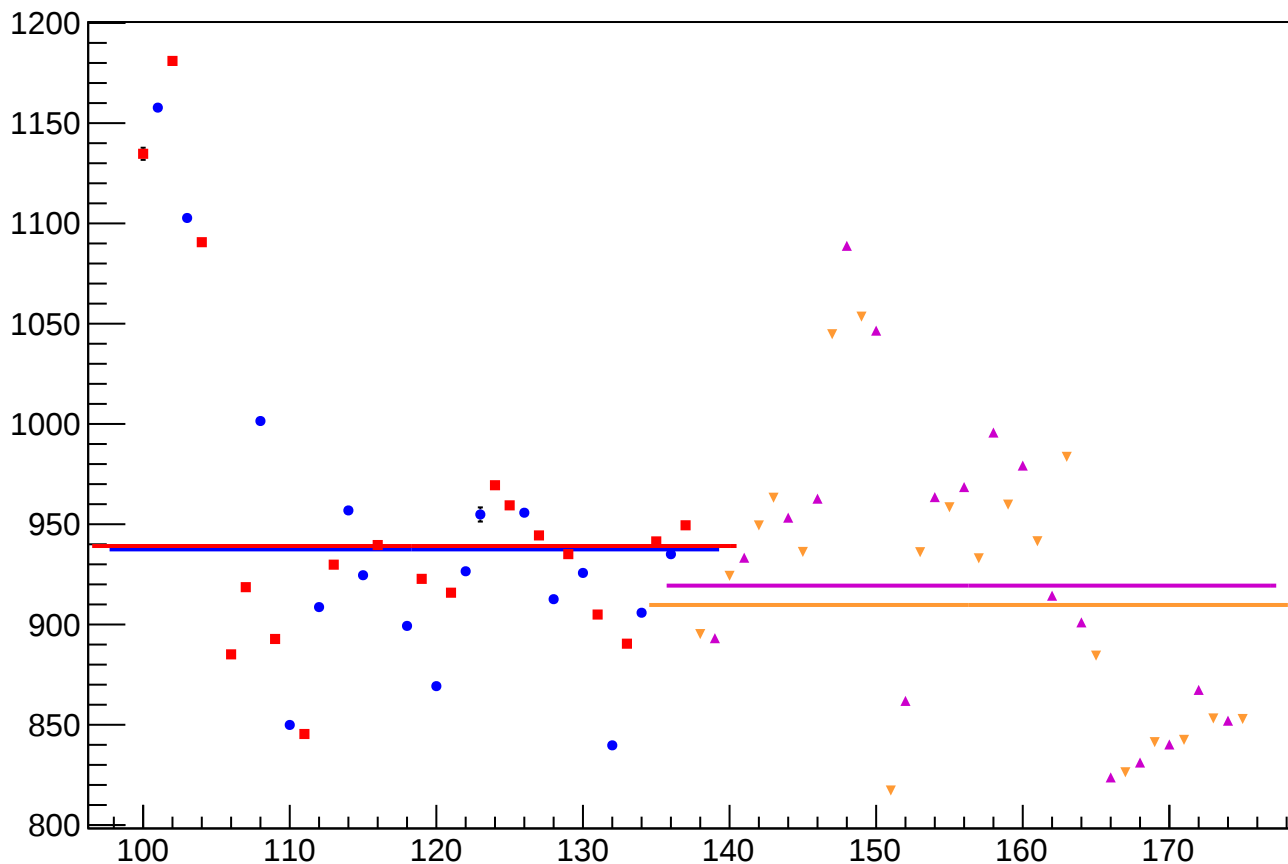
Left In: -57.423 ± 0.247 $\chi^2/\text{NDF}: 18275.0/17$

+ sign -32.537 ± 0.197 $\chi^2/\text{NDF}: 32068.1/36$

All: -37.144 ± 0.141 $\chi^2/\text{NDF}: 81428.7/73$

- sign -41.991 ± 0.202 $\chi^2/\text{NDF}: 48242.2/36$

diff_bpm1i02X_rms vs Slug



Right In: 937.454 $\pm$ 0.256 χ^2 /NDF: 98307.6/16

Left Out: 909.741 $\pm$ 0.166 χ^2 /NDF:156430.0/19

Right Out: 939.140 $\pm$ 0.249 χ^2 /NDF: 90253.2/18

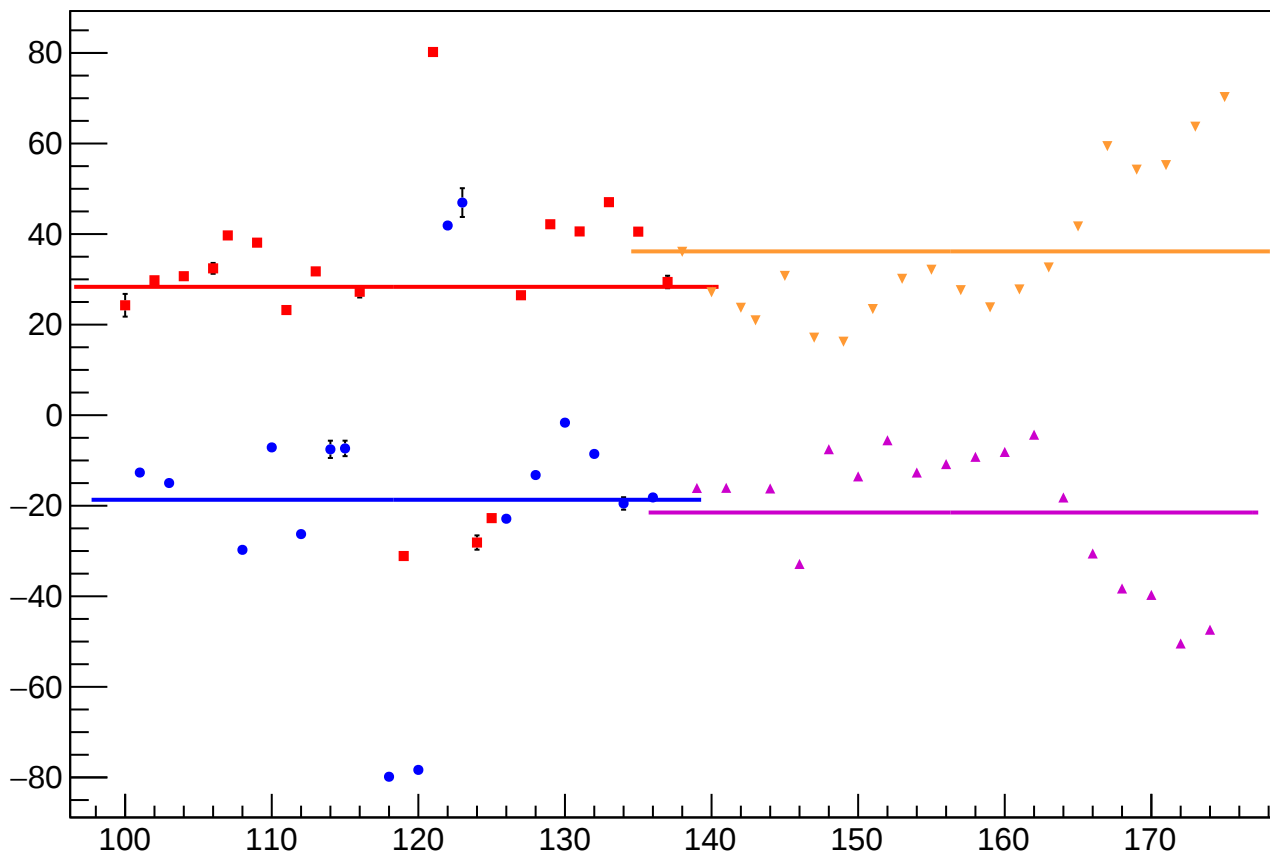
Left In: 919.388 $\pm$ 0.175 χ^2 /NDF:164775.2/17

+ sign 917.961 $\pm$ 0.140 χ^2 /NDF: 262966.0/36

All: 921.834 $\pm$ 0.100 χ^2 /NDF: 523785.4/73

- sign 925.908 $\pm$ 0.143 χ^2 /NDF: 259239.1/36

diff_bpm1i02Y_mean vs Slug



Right In: -18.683 ± 0.243 $\chi^2/\text{NDF}: 13006.2/16$

Left Out: 36.175 ± 0.185 $\chi^2/\text{NDF}: 7791.7/19$

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

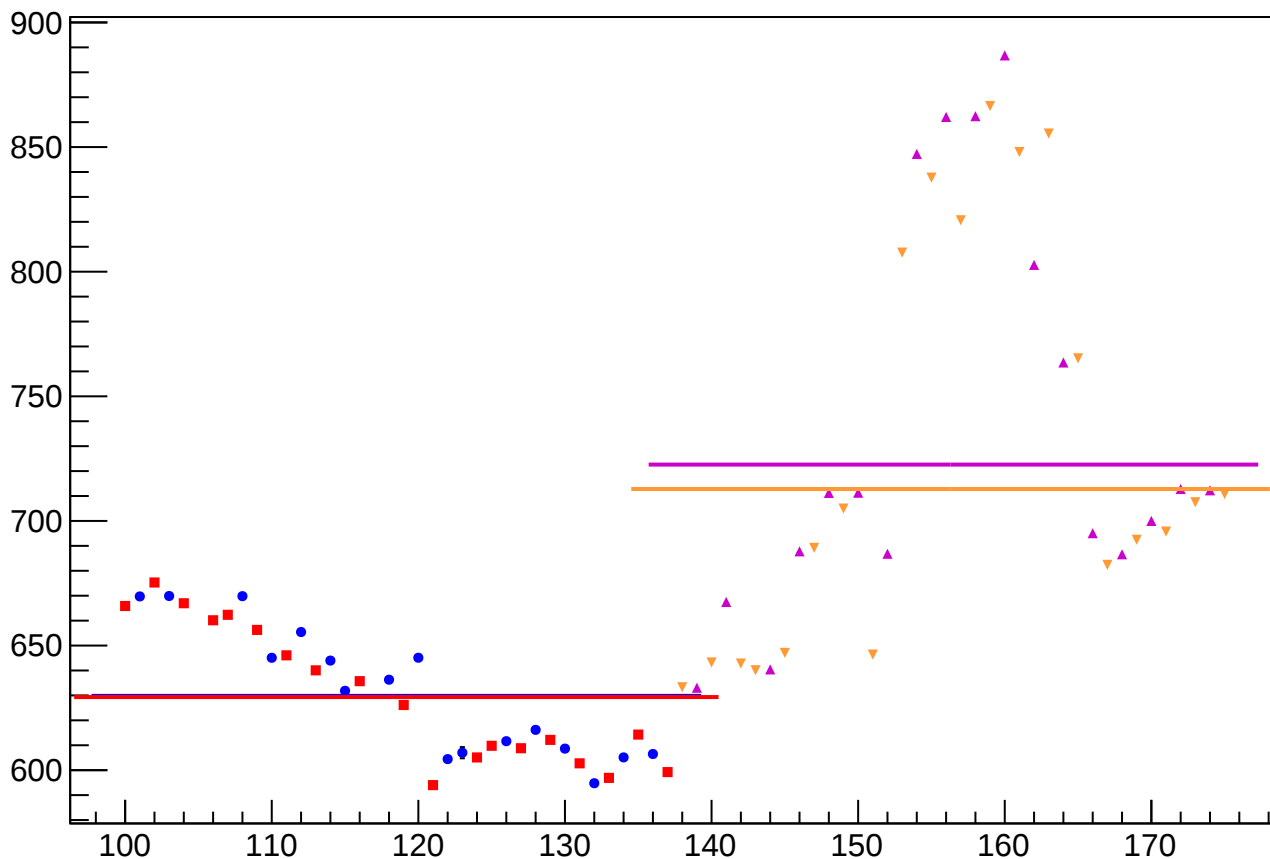
Left In: -21.498 ± 0.195 $\chi^2/\text{NDF}: 5428.3/17$

+ sign 16.008 ± 0.147 $\chi^2/\text{NDF}: 53117.1/36$

All: 7.563 ± 0.105 $\chi^2/\text{NDF}: 104371.7/73$

- sign -1.231 ± 0.150 $\chi^2/\text{NDF}: 44529.0/36$

diff_bpm1i02Y_rms vs Slug



Right In: 629.815 $\pm$ 0.172 χ^2 /NDF: 23298.3/16

Left Out: 712.808 $\pm$ 0.131 χ^2 /NDF: 332292.8/19

Right Out: 629.340 $\pm$ 0.166 χ^2 /NDF: 25538.5/18

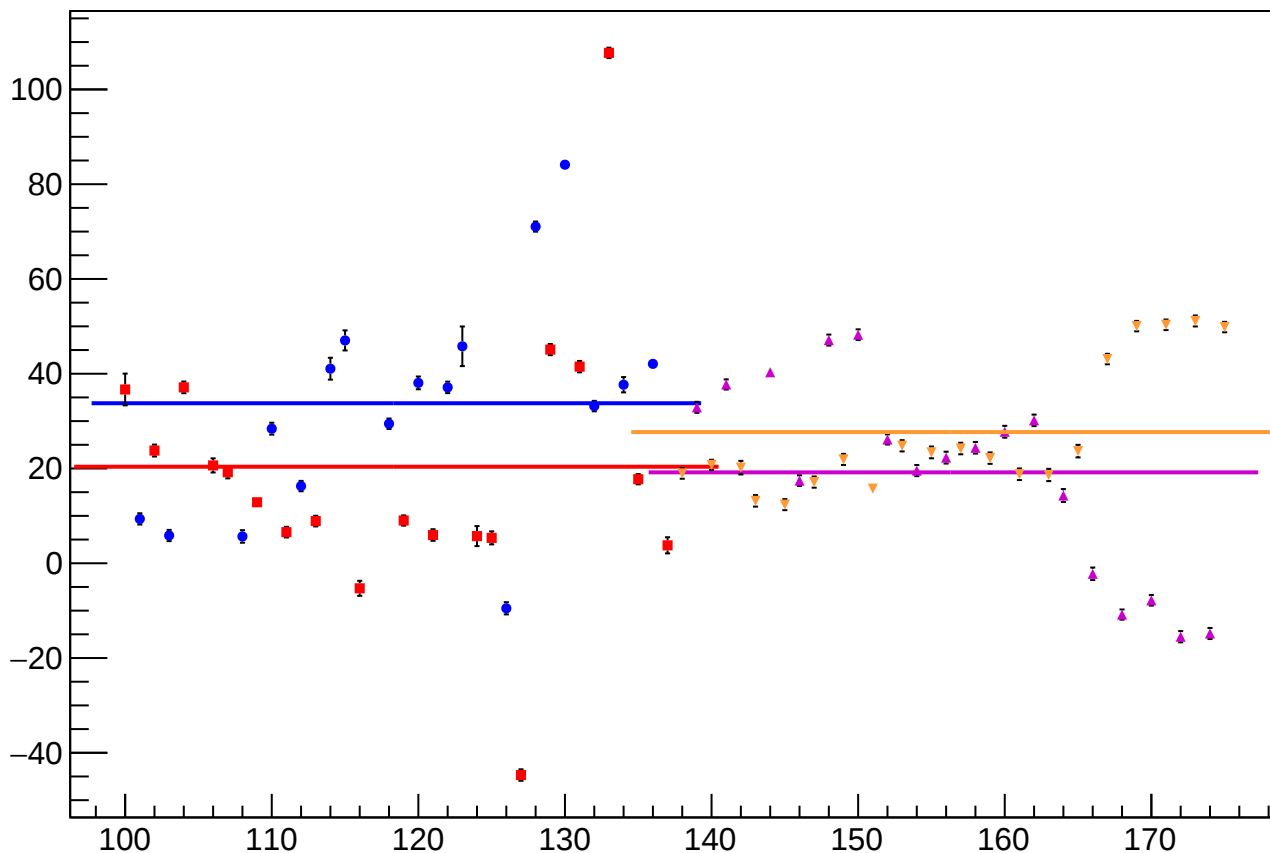
Left In: 722.613 $\pm$ 0.138 χ^2 /NDF: 278194.3/17

+ sign 682.298 $\pm$ 0.104 χ^2 /NDF: 503535.6/36

All: 683.469 $\pm$ 0.074 χ^2 /NDF: 993764.4/73

- sign 684.688 $\pm$ 0.106 χ^2 /NDF: 489970.3/36

diff_bpm1i04X_mean vs Slug



Right In: 33.773 $\pm$ 0.300 χ^2 /NDF: 6487.9/16

Left Out: 27.689 $\pm$ 0.263 χ^2 /NDF: 2664.2/19

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

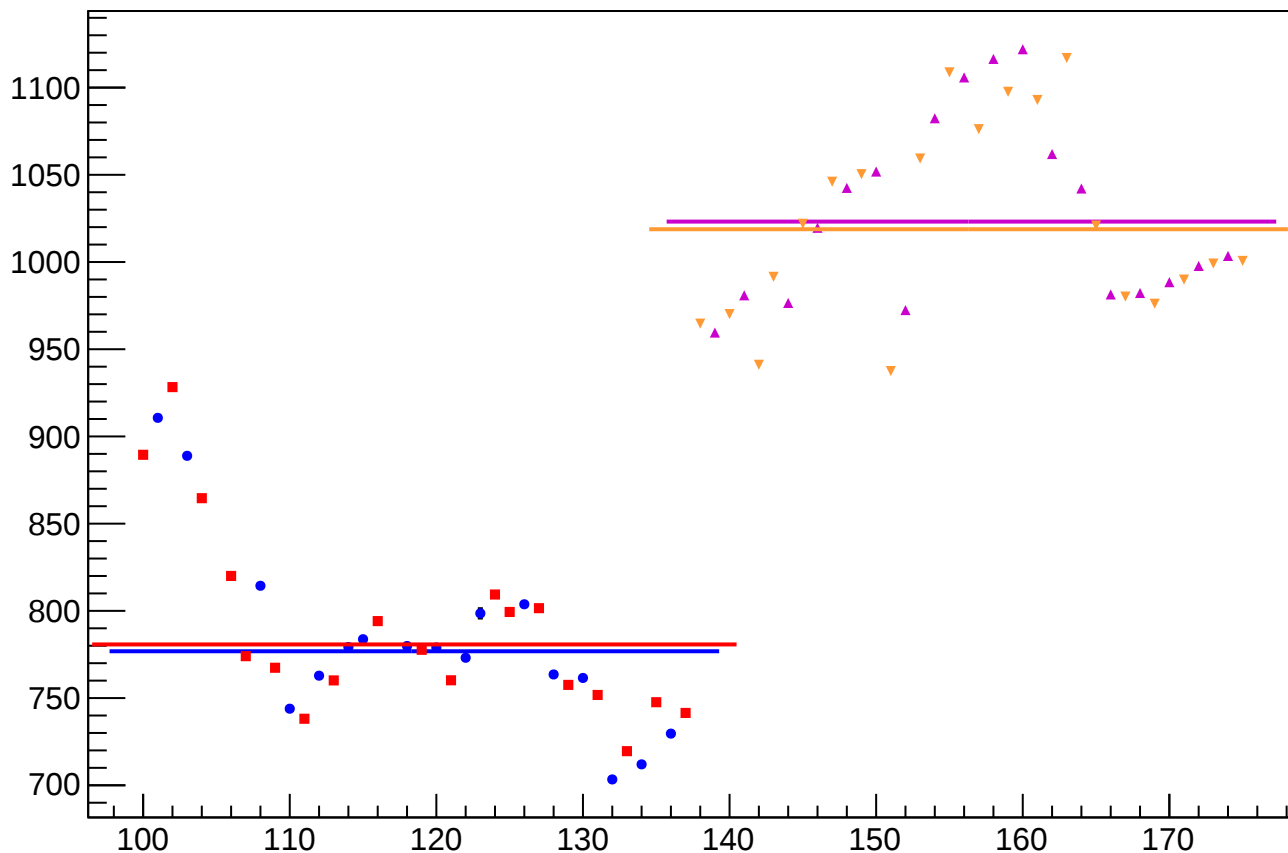
Left In: 19.185 $\pm$ 0.275 χ^2 /NDF: 5617.9/17

+ sign 30.336 $\pm$ 0.198 χ^2 /NDF: 9384.6/36

All: 25.105 $\pm$ 0.141 χ^2 /NDF: 27715.2/73

- sign 19.743 $\pm$ 0.200 χ^2 /NDF: 16914.3/36

diff_bpm1i04X_rms vs Slug



Right In: 776.838 $\pm$ 0.212 χ^2 /NDF: 67487.1/16

Left Out: 1018.793 $\pm$ 0.186 χ^2 /NDF: 82571.8/19

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

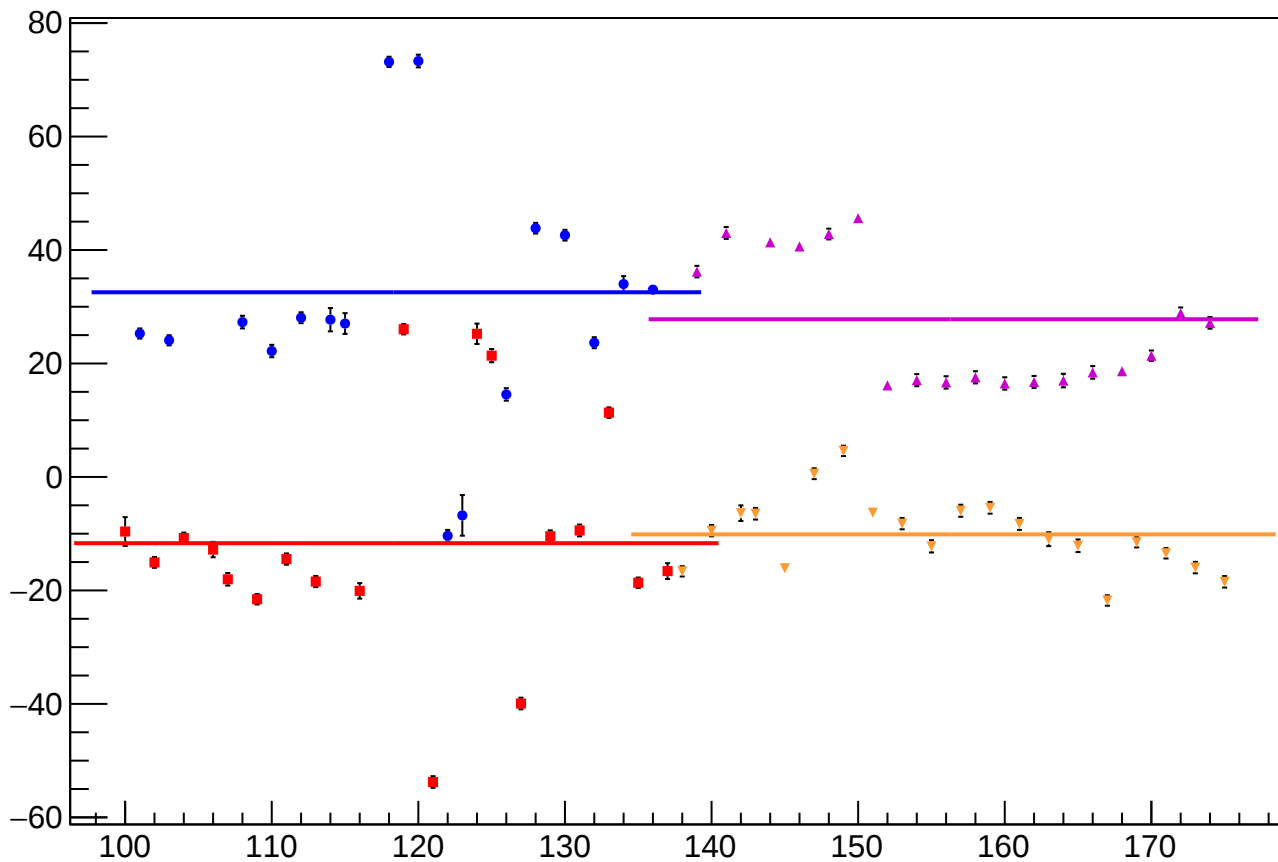
Left In: 1023.174 $\pm$ 0.194 χ^2 /NDF: 67751.0/17

+ sign 913.542 $\pm$ 0.140 χ^2 /NDF: 885601.0/36

All: 911.571 $\pm$ 0.100 χ^2 /NDF: 1740947.5/73

- sign 909.552 $\pm$ 0.142 χ^2 /NDF: 854944.6/36

diff_bpm1i04Y_mean vs Slug



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

Left Out: -10.120 $\pm$ 0.222 χ^2 /NDF: 853.0/19

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

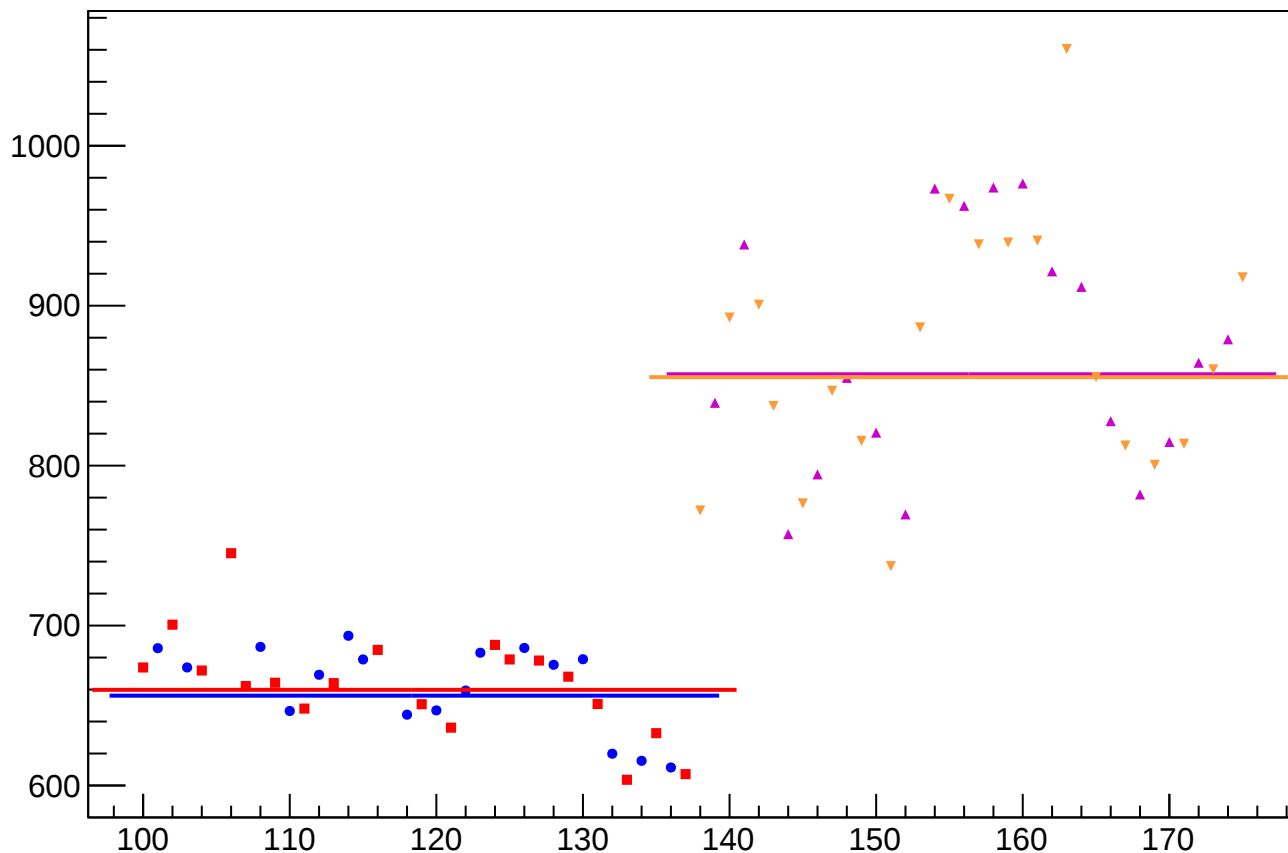
Left In: 27.797 $\pm$ 0.231 χ^2 /NDF: 2438.2/17

+ sign 8.444 $\pm$ 0.167 χ^2 /NDF: 23015.6/36

All: 8.892 $\pm$ 0.119 χ^2 /NDF: 45430.5/73

- sign 9.352 $\pm$ 0.169 χ^2 /NDF: 22400.2/36

diff_bpm1i04Y_rms vs Slug



Right In: 656.181 ± 0.179 χ^2/NDF : 23569.6/16

Left Out: 855.315 ± 0.157 χ^2/NDF : 224208.9/19

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

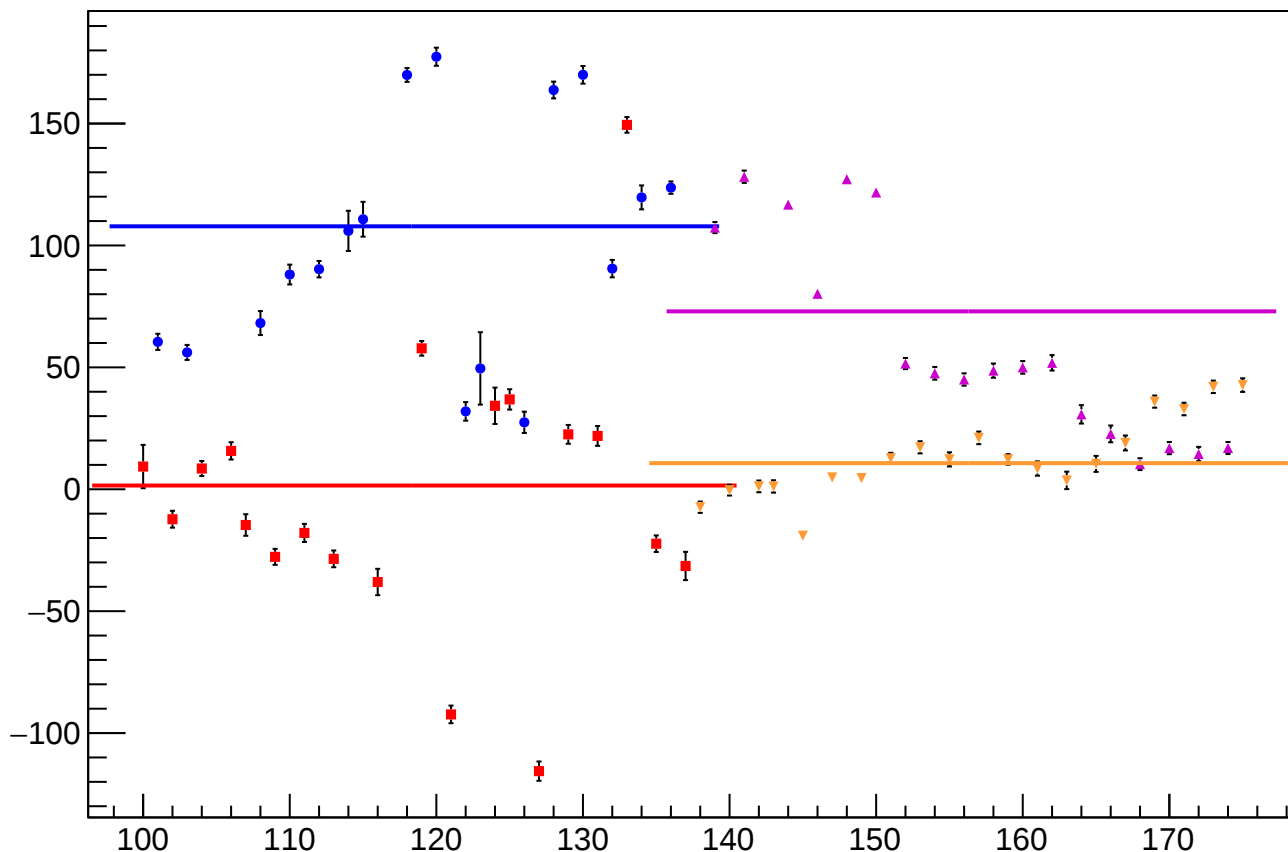
Left In: 857.134 ± 0.164 χ^2/NDF : 200179.1/17

+ sign 768.686 ± 0.118 χ^2/NDF : 948555.0/36

All: 766.829 ± 0.084 χ^2/NDF : 1857540.2/73

- sign 764.926 ± 0.119 χ^2/NDF : 908483.1/36

diff_bpm1i06X_mean vs Slug



Right In: 107.852 $\pm$ 0.922 χ^2 /NDF: 2809.0/16

Left Out: 10.712 $\pm$ 0.539 χ^2 /NDF: 849.0/19

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

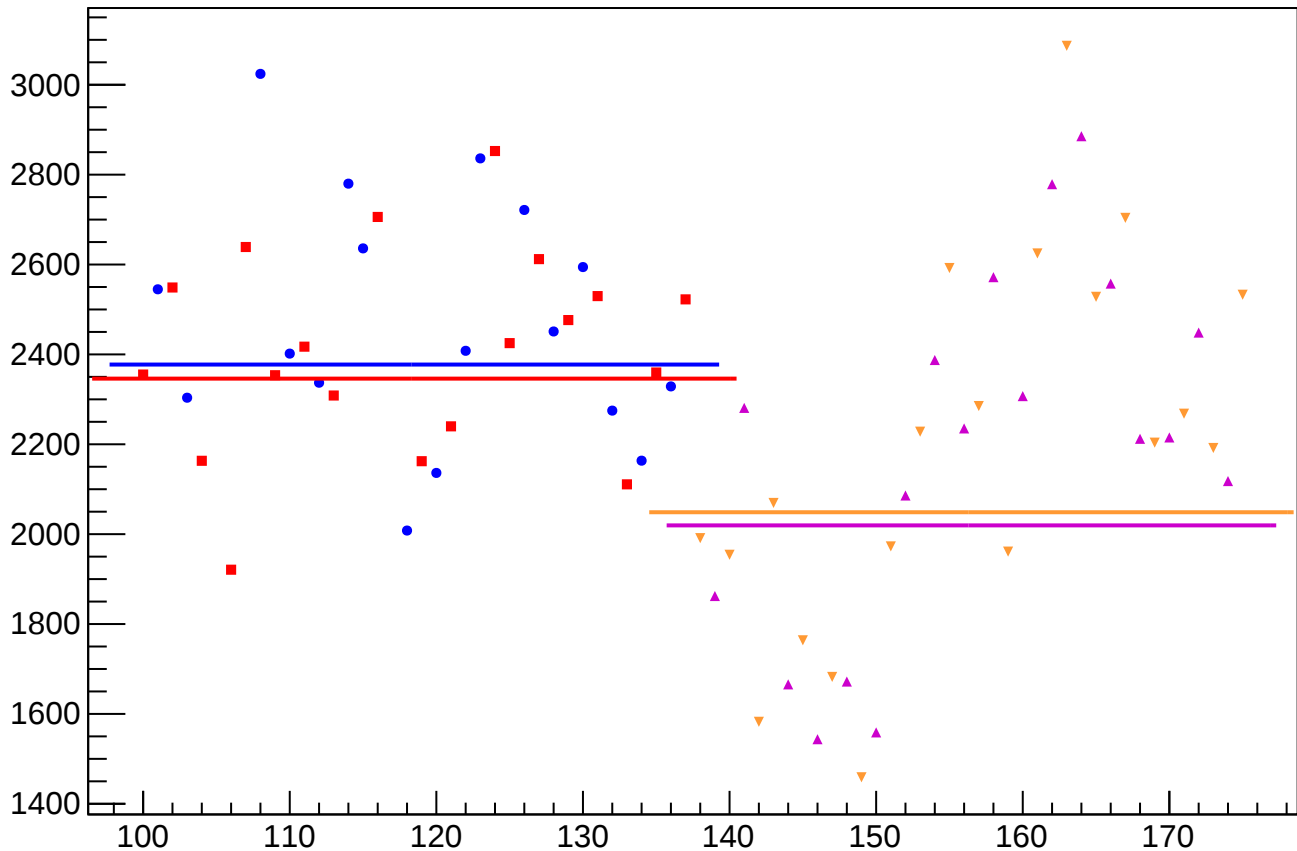
Left In: 72.967 $\pm$ 0.555 χ^2 /NDF: 5881.8/17

+ sign 35.502 $\pm$ 0.466 χ^2 /NDF: 11933.7/36

All: 44.052 $\pm$ 0.331 χ^2 /NDF: 27708.7/73

- sign 52.760 $\pm$ 0.470 χ^2 /NDF: 15094.2/36

diff_bpm1i06X_rms vs Slug



Right In: 2377.423+/-0.652 χ^2/NDF : 119648.6/16

Left Out: 2048.781+/-0.381 χ^2/NDF : 1023570.2/19

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

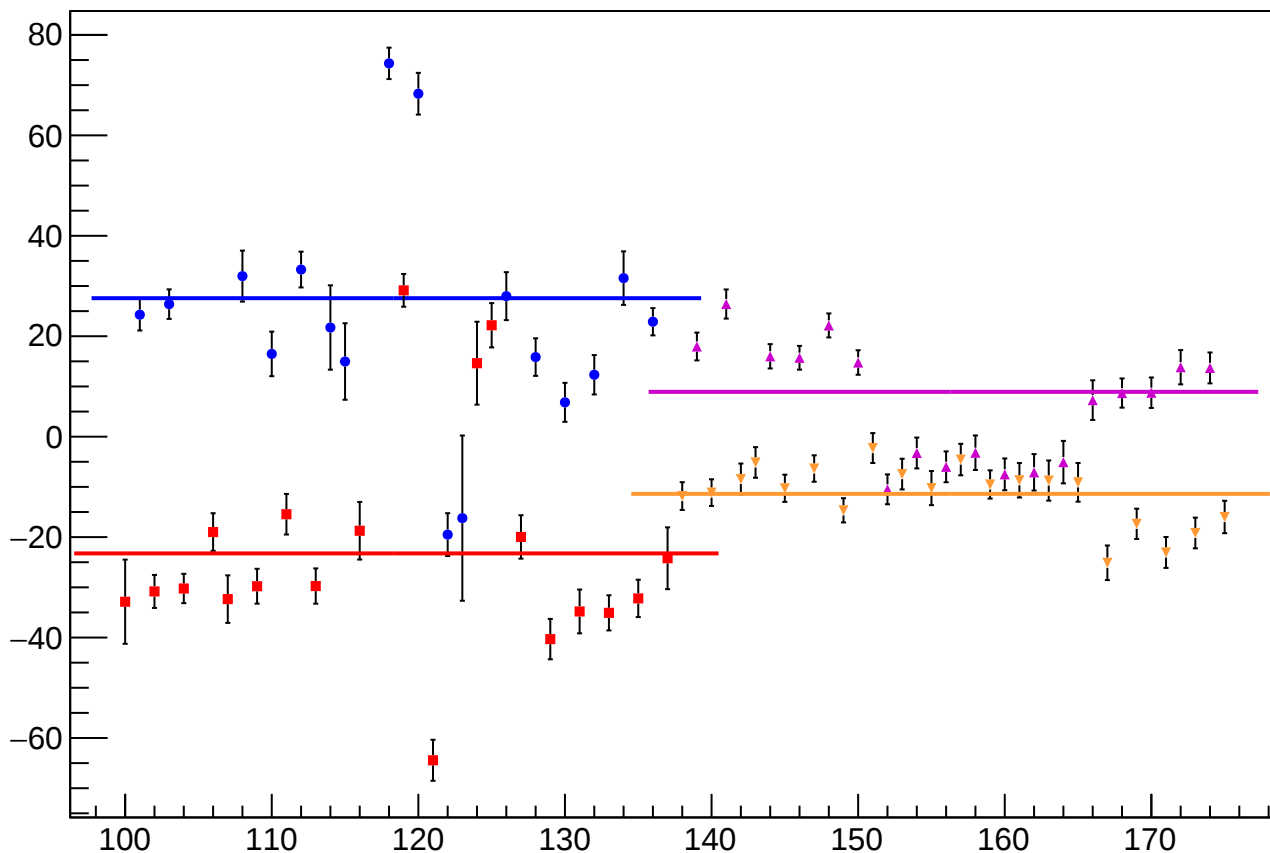
Left In: 2019.519+/-0.392 χ^2/NDF : 970705.3/17

+ sign 2132.651+/-0.329 χ^2/NDF : 1332666.4/36

All: 2122.380+/-0.234 χ^2/NDF : 2609665.2/73

- sign 2111.919+/-0.332 χ^2/NDF : 1275033.6/36

diff_bpm1i06Y_mean vs Slug



Right In: 27.577 ± 0.975 χ^2/NDF : 519.6/16

Left Out: -11.390 ± 0.676 χ^2/NDF : 71.3/19

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

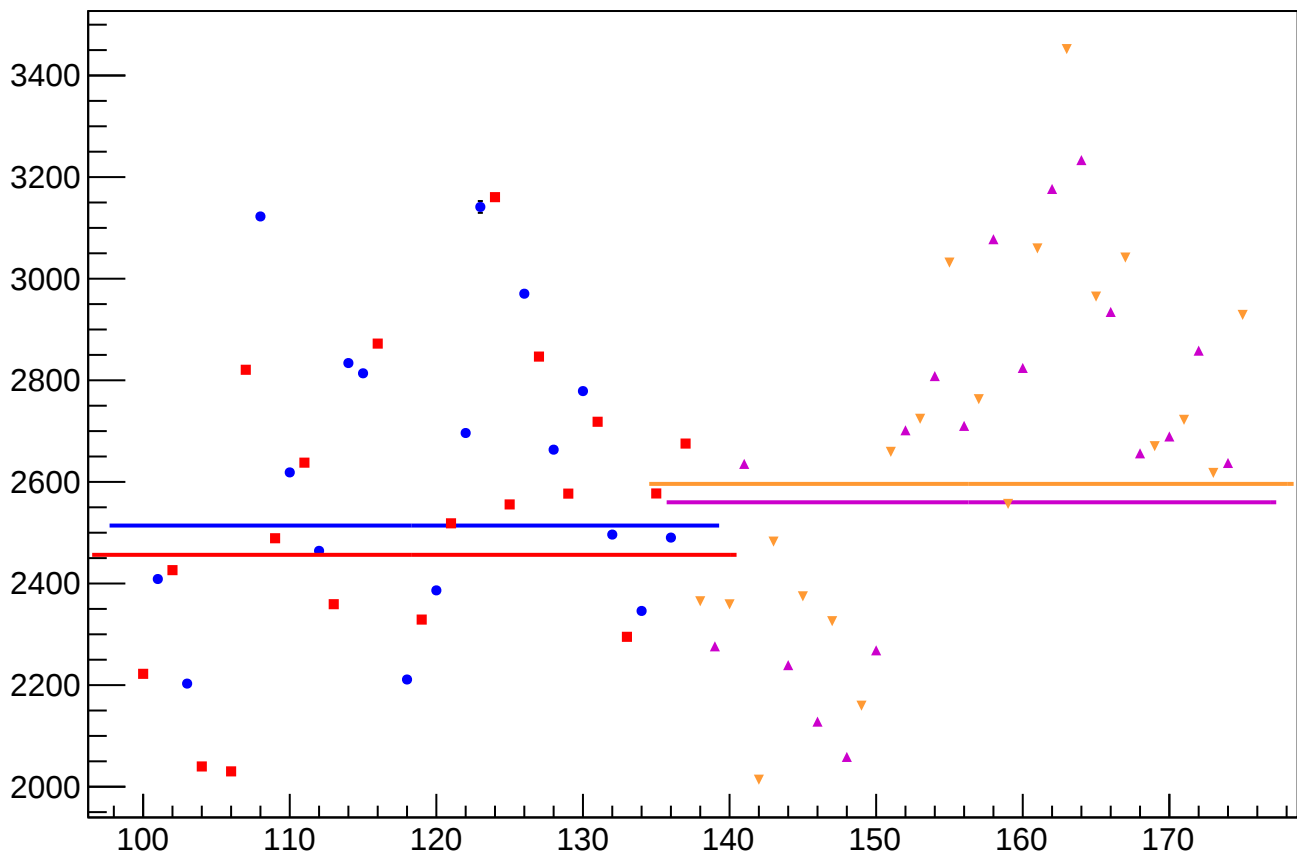
Left In: 8.926 ± 0.696 χ^2/NDF : 256.6/17

+ sign 1.255 ± 0.555 χ^2/NDF : 1670.3/36

All: -0.701 ± 0.393 χ^2/NDF : 3280.0/73

- sign -2.666 ± 0.556 χ^2/NDF : 1584.8/36

diff_bpm1i06Y_rms vs Slug



Right In: 2514.088+/-0.689 χ^2/NDF : 120961.3/16

Left Out: 2596.090+/-0.478 χ^2/NDF : 453300.7/19

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

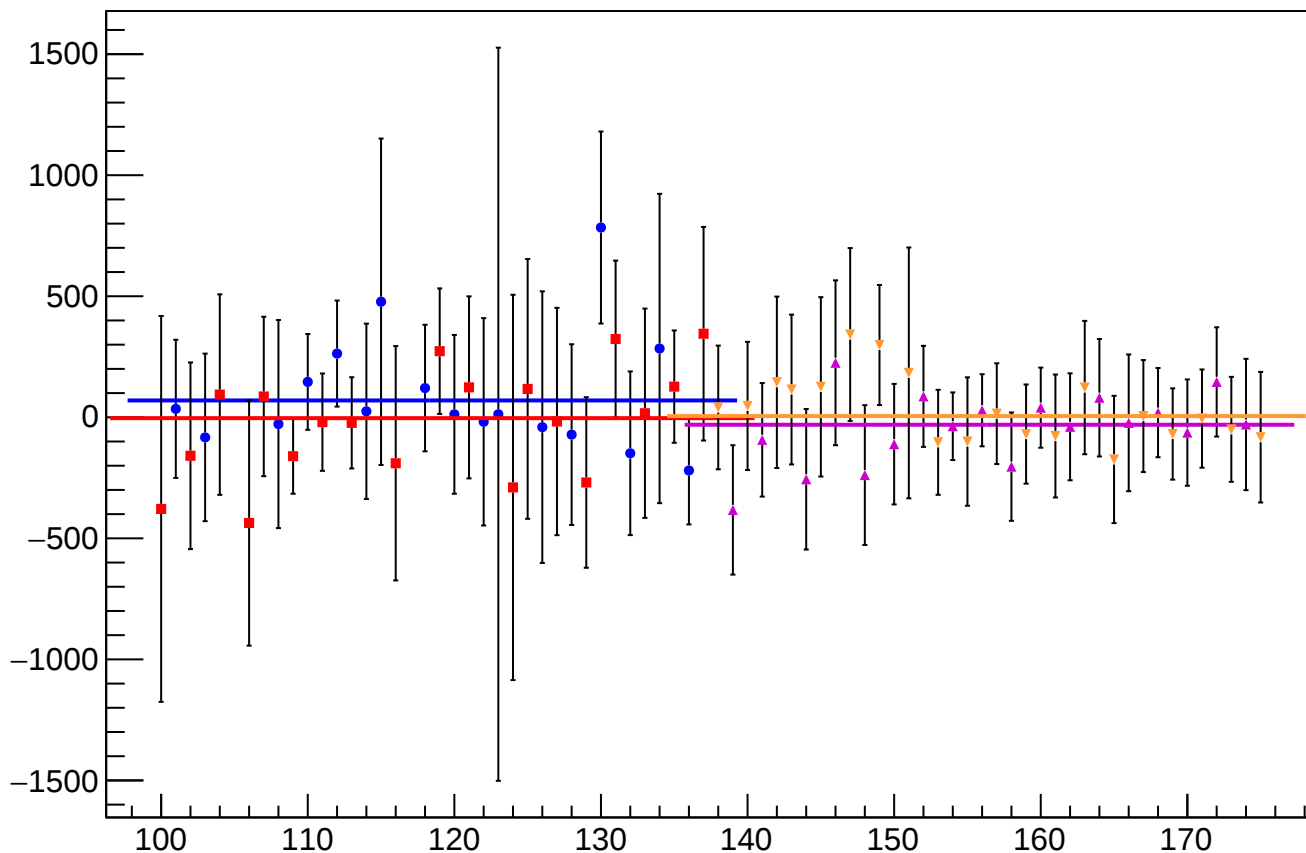
Left In: 2559.881+/-0.492 χ^2/NDF : 471240.2/17

+ sign 2569.479+/-0.393 χ^2/NDF : 583822.7/36

All: 2546.096+/-0.278 χ^2/NDF : 1227827.1/73

- sign 2522.614+/-0.393 χ^2/NDF : 636896.4/36

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: 5.051 $\pm$ 56.357 χ^2 /NDF: 4.5/19

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

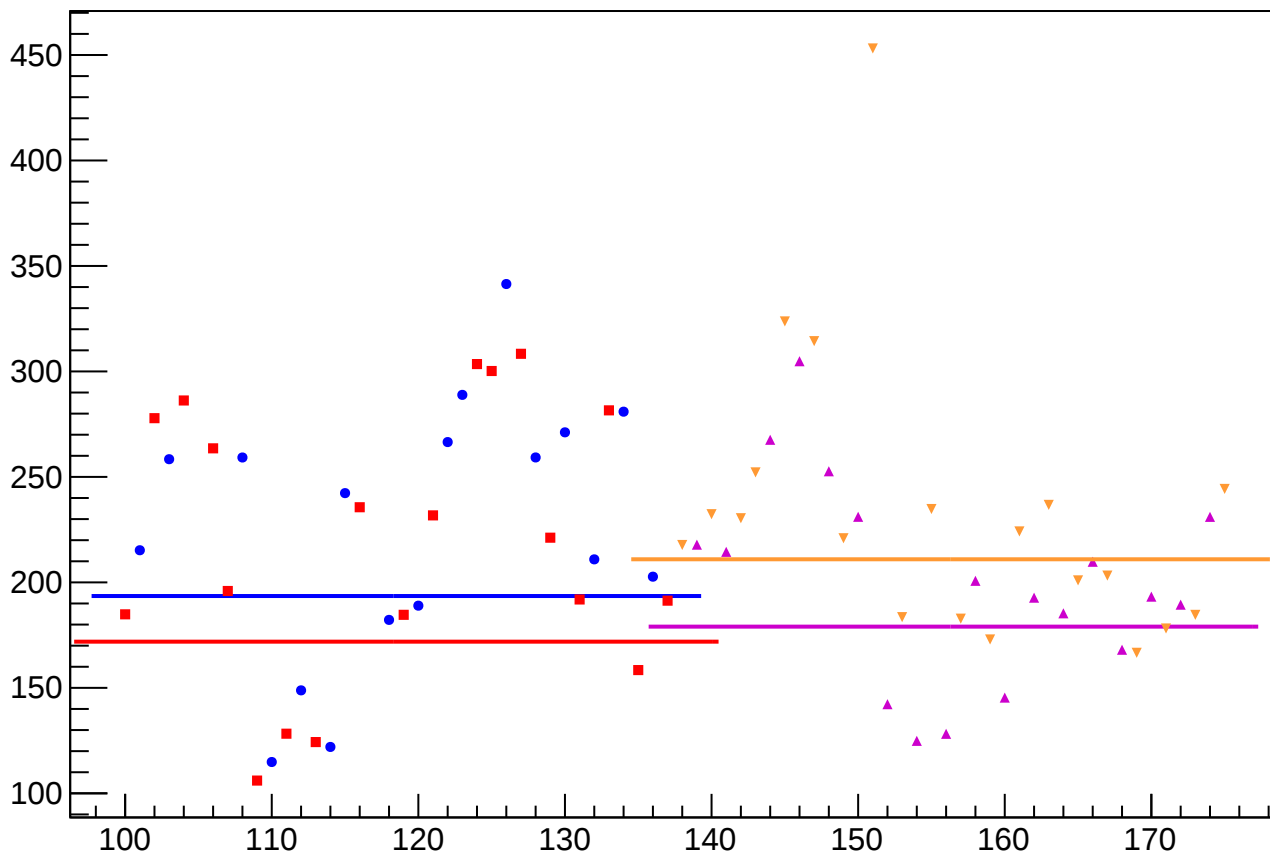
Left In: -30.767 $\pm$ 50.632 χ^2 /NDF: 5.8/17

+ sign 26.809 $\pm$ 45.884 χ^2 /NDF: 12.2/36

All: 0.005 $\pm$ 30.581 χ^2 /NDF: 25.1/73

- sign -21.419 $\pm$ 41.021 χ^2 /NDF: 12.3/36

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: 210.951 $\pm$ 0.040 χ^2 /NDF:1253837.1/19

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

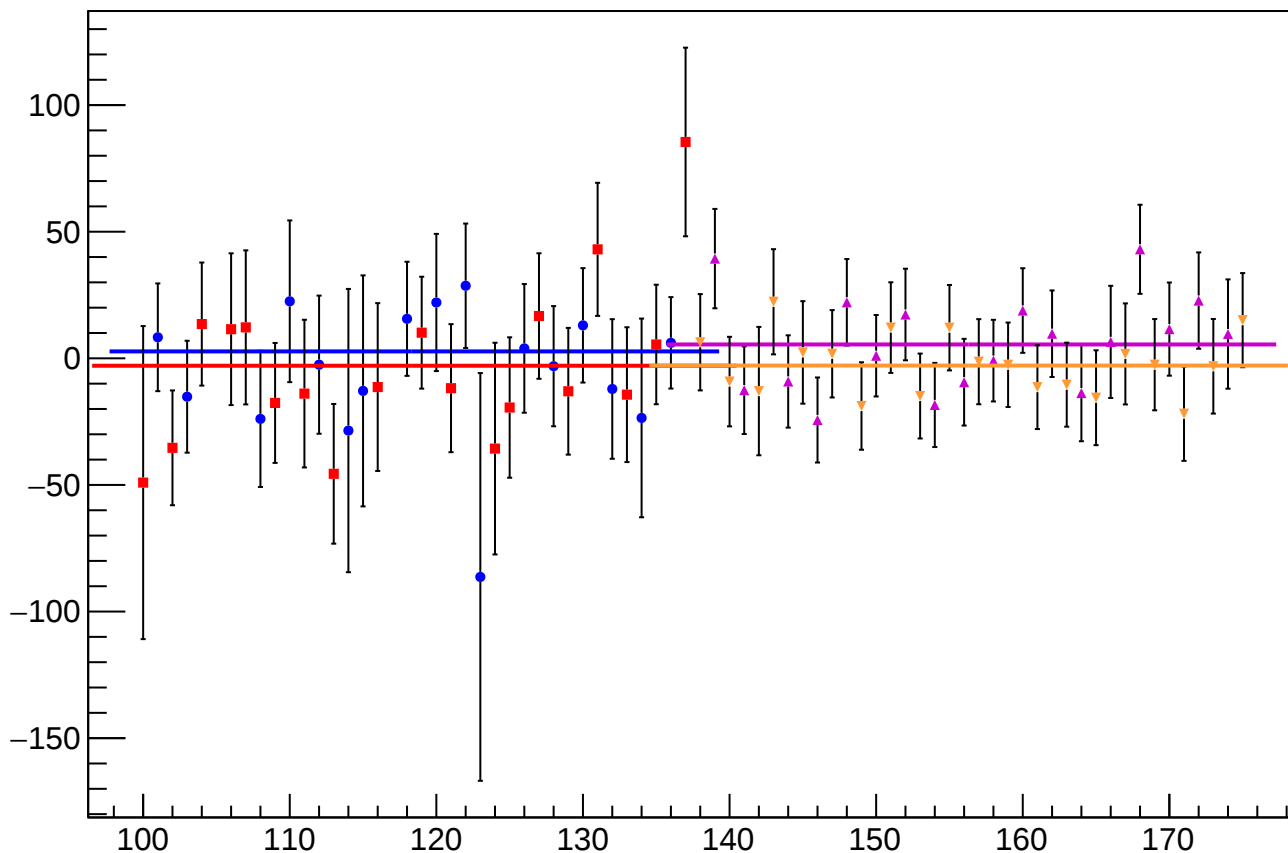
Left In: 179.024 $\pm$ 0.036 χ^2 /NDF:1588022.6/17

+ sign 205.079 $\pm$ 0.032 χ^2 /NDF: 2328673.0/36

All: 189.238 $\pm$ 0.022 χ^2 /NDF: 5936098.0/73

- sign 176.577 $\pm$ 0.029 χ^2 /NDF: 3178510.3/36

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.733 $\pm$ 6.424 χ^2 /NDF: 6.8/16

Left Out: -2.860 $\pm$ 4.059 χ^2 /NDF:8.0/19

Right Out: -2.928 $\pm$ 6.279 χ^2 /NDF: 17.8/18

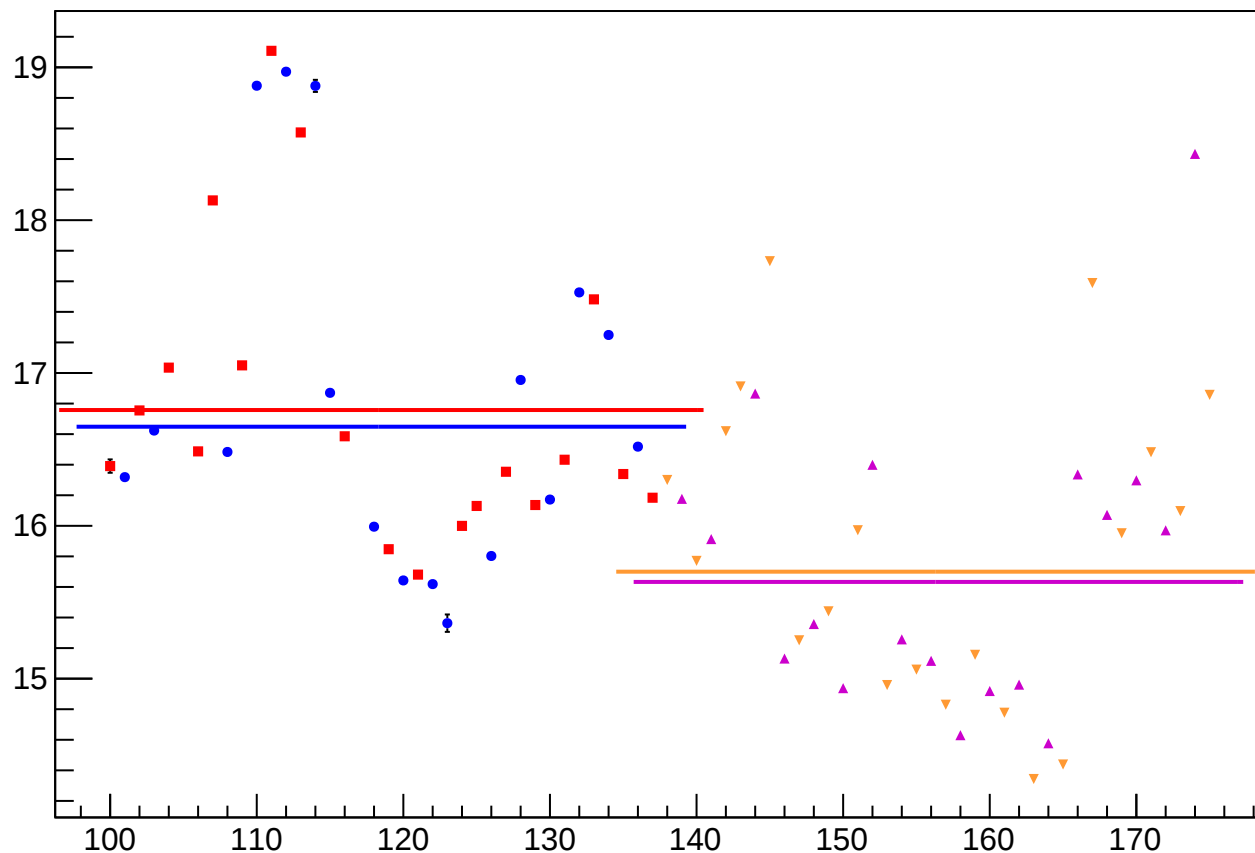
Left In: 5.474 $\pm$ 4.202 χ^2 /NDF:19.6/17

+ sign -1.264 $\pm$ 3.431 χ^2 /NDF: 15.3/36

All: 0.769 $\pm$ 2.448 χ^2 /NDF: 54.6/73

- sign 2.875 $\pm$ 3.492 χ^2 /NDF: 38.6/36

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: 15.700 $\pm$ 0.003 χ^2 /NDF: 107333.7/19

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

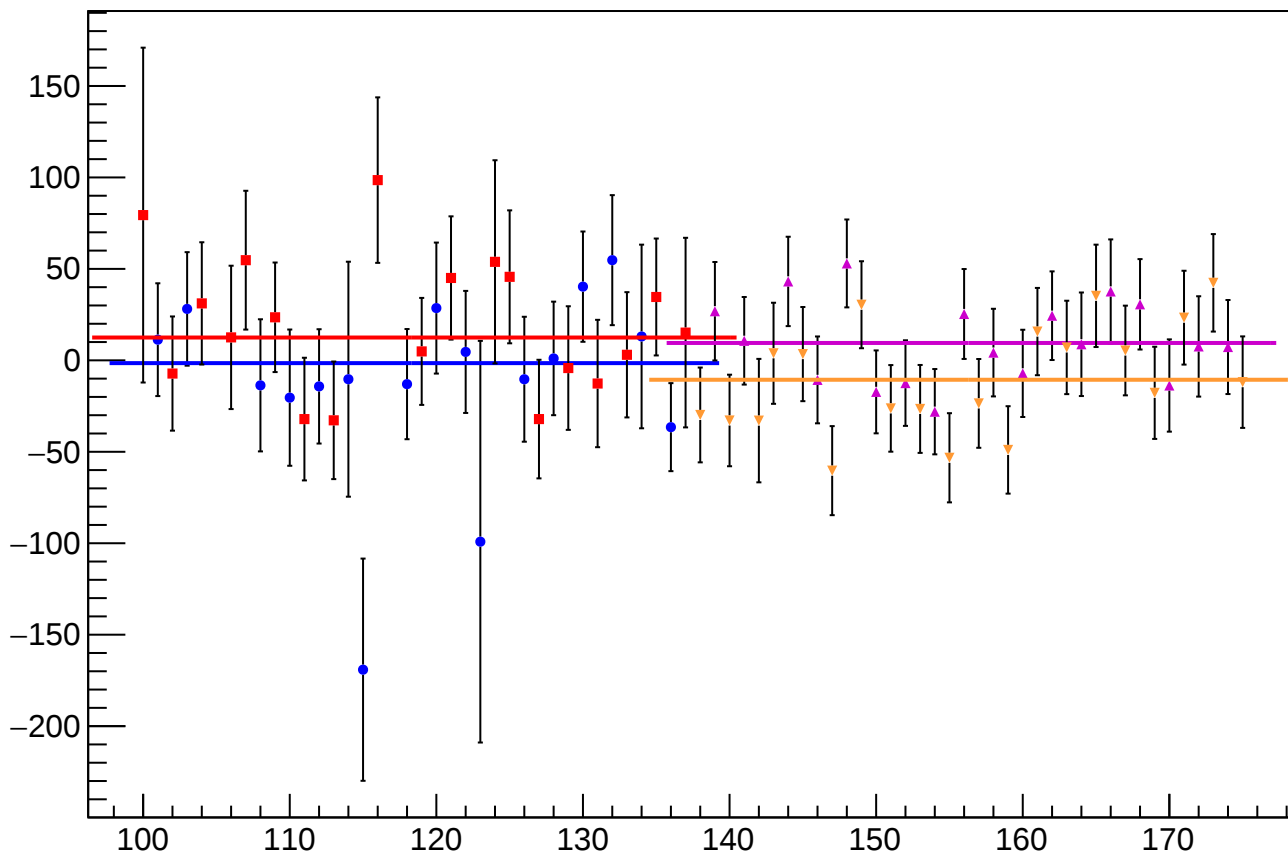
Left In: 15.633 $\pm$ 0.003 χ^2 /NDF: 84518.7/17

+ sign 15.971 $\pm$ 0.002 χ^2 /NDF: 181063.5/36

All: 15.976 $\pm$ 0.002 χ^2 /NDF: 349870.5/73

- sign 15.981 $\pm$ 0.002 χ^2 /NDF: 168798.2/36

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: -10.615 ± 5.660 χ^2/NDF : 26.9/19

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

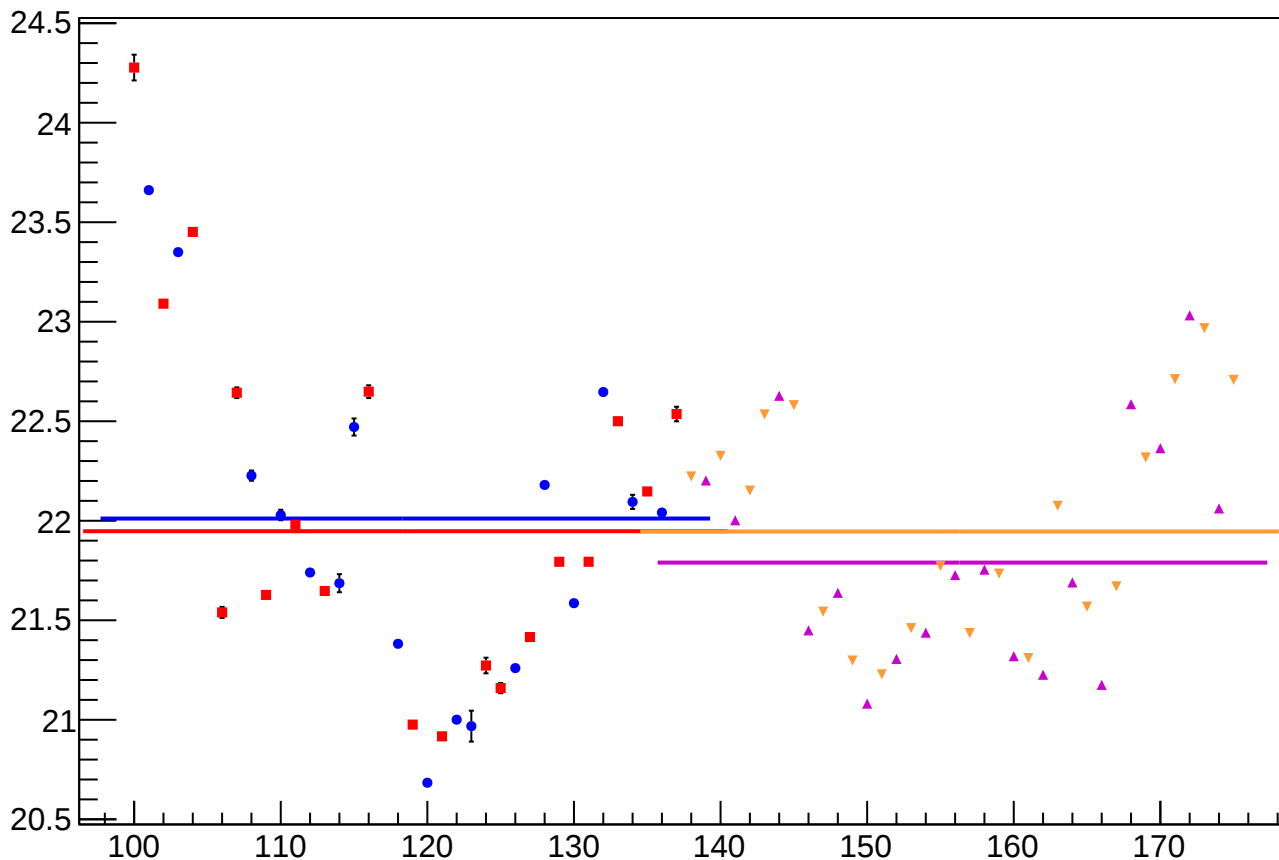
Left In: 9.500 ± 5.841 χ^2/NDF : 15.1/17

+ sign -7.815 ± 4.709 χ^2/NDF : 45.3/36

All: 1.244 ± 3.347 χ^2/NDF : 83.6/73

- sign 10.500 ± 4.760 χ^2/NDF : 30.8/36

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.011+/-0.006 χ^2 /NDF: 17546.9/16

Left Out: 21.946+/-0.004 χ^2 /NDF:17814.1/19

Right Out: 21.947+/-0.006 χ^2 /NDF: 16592.7/18

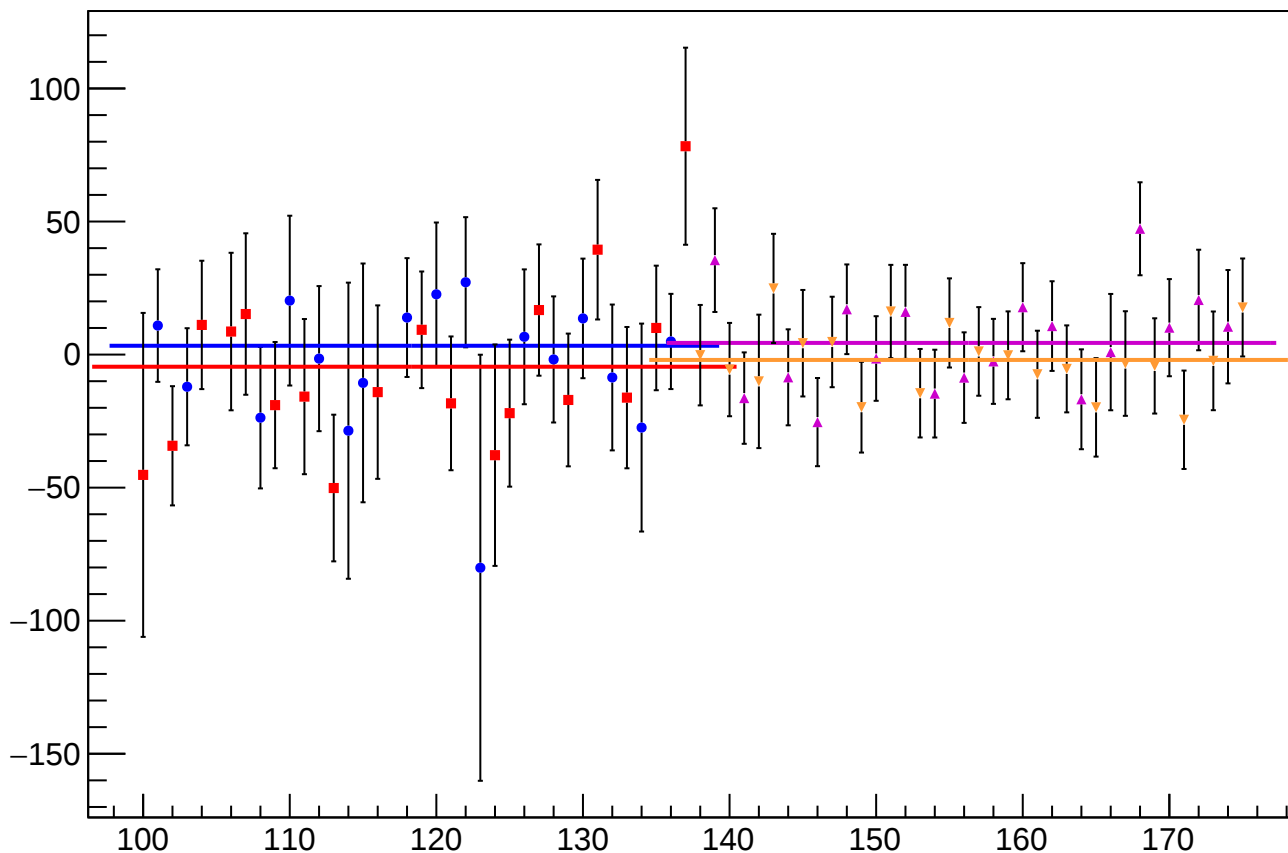
Left In: 21.790+/-0.004 χ^2 /NDF:17009.9/17

+ sign 21.966+/-0.003 χ^2 /NDF: 35442.7/36

All: 21.905+/-0.002 χ^2 /NDF: 70212.8/73

- sign 21.843+/-0.003 χ^2 /NDF: 34092.1/36

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: -2.011 ± 4.016 χ^2/NDF : 9.3/19

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

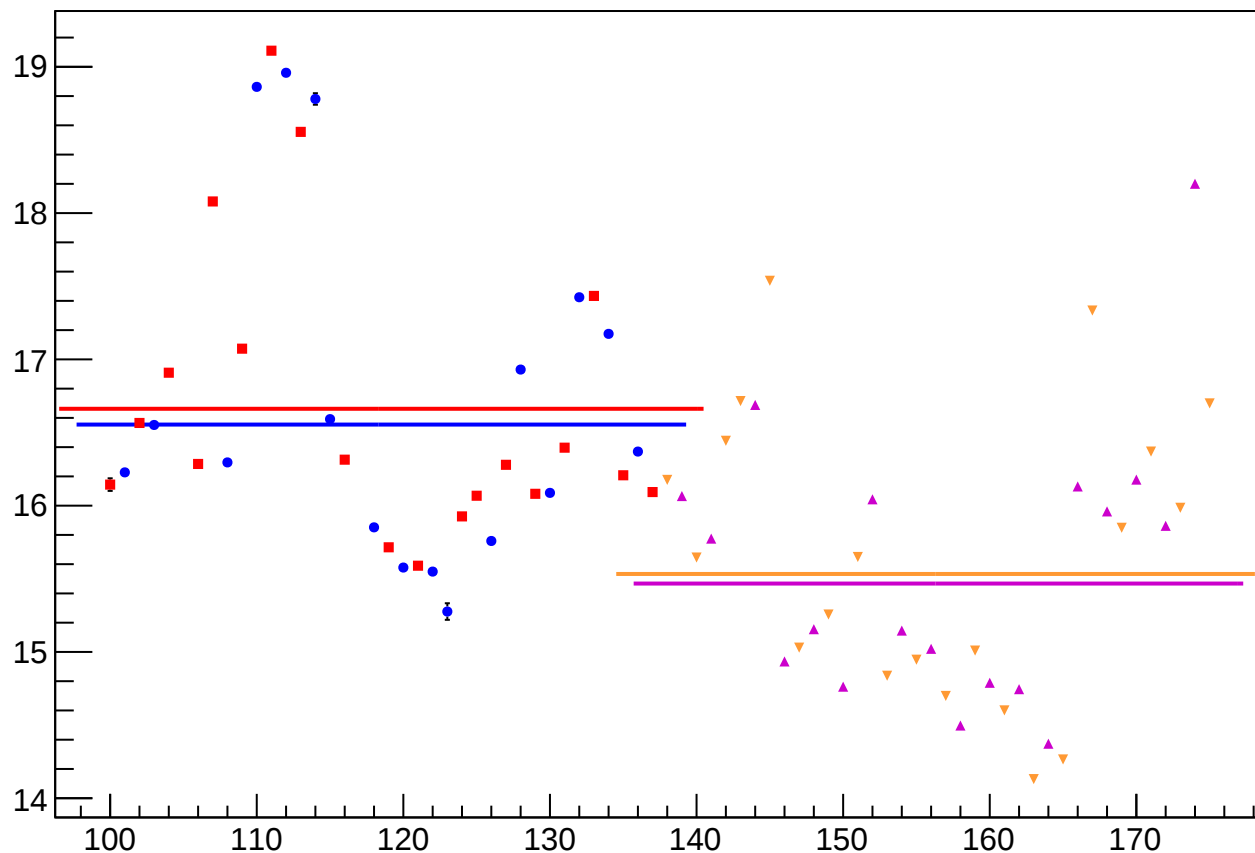
Left In: 4.389 ± 4.157 χ^2/NDF : 20.0/17

+ sign -0.502 ± 3.400 χ^2/NDF : 16.1/36

All: 0.550 ± 2.425 χ^2/NDF : 55.4/73

- sign 1.640 ± 3.460 χ^2/NDF : 39.2/36

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: 15.533 $\pm$ 0.003 χ^2 /NDF: 108409.6/19

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

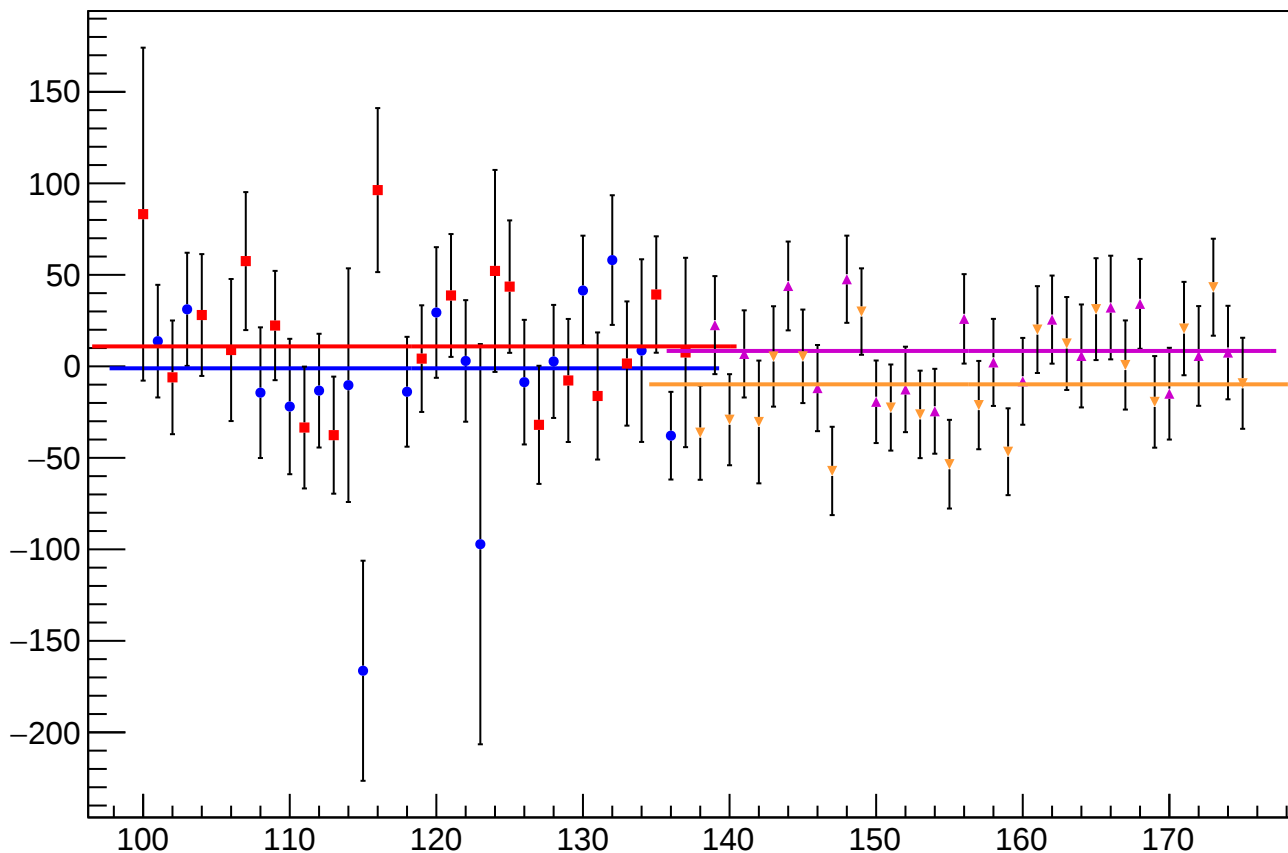
Left In: 15.468 $\pm$ 0.003 χ^2 /NDF: 84131.9/17

+ sign 15.822 $\pm$ 0.002 χ^2 /NDF: 189524.6/36

All: 15.828 $\pm$ 0.002 χ^2 /NDF: 367475.3/73

- sign 15.835 $\pm$ 0.002 χ^2 /NDF: 177938.1/36

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.068 $\pm$ 8.444 χ^2/NDF : 18.5/16

Left Out: -9.823 $\pm$ 5.624 χ^2/NDF : 26.3/19

Right Out: 10.900 $\pm$ 8.169 χ^2/NDF : 16.2/18

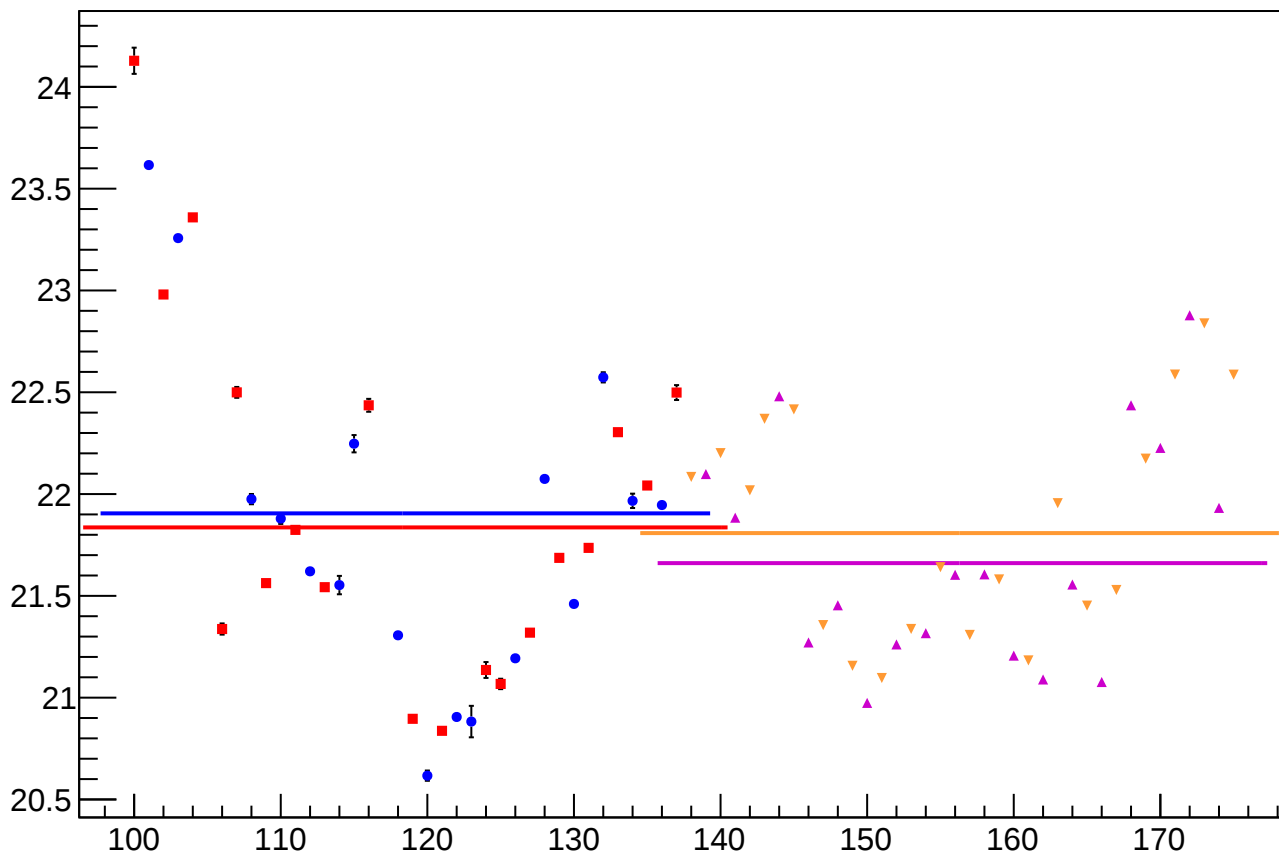
Left In: 8.418 $\pm$ 5.806 χ^2/NDF : 14.5/17

+ sign -7.133 $\pm$ 4.681 χ^2/NDF : 45.5/36

All: 0.970 $\pm$ 3.328 χ^2/NDF : 82.4/73

- sign 9.251 $\pm$ 4.733 χ^2/NDF : 30.8/36

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: 21.808 $\pm$ 0.004 χ^2 /NDF: 18059.5/19

Right Out: 21.836 $\pm$ 0.006 χ^2 /NDF: 16251.2/18

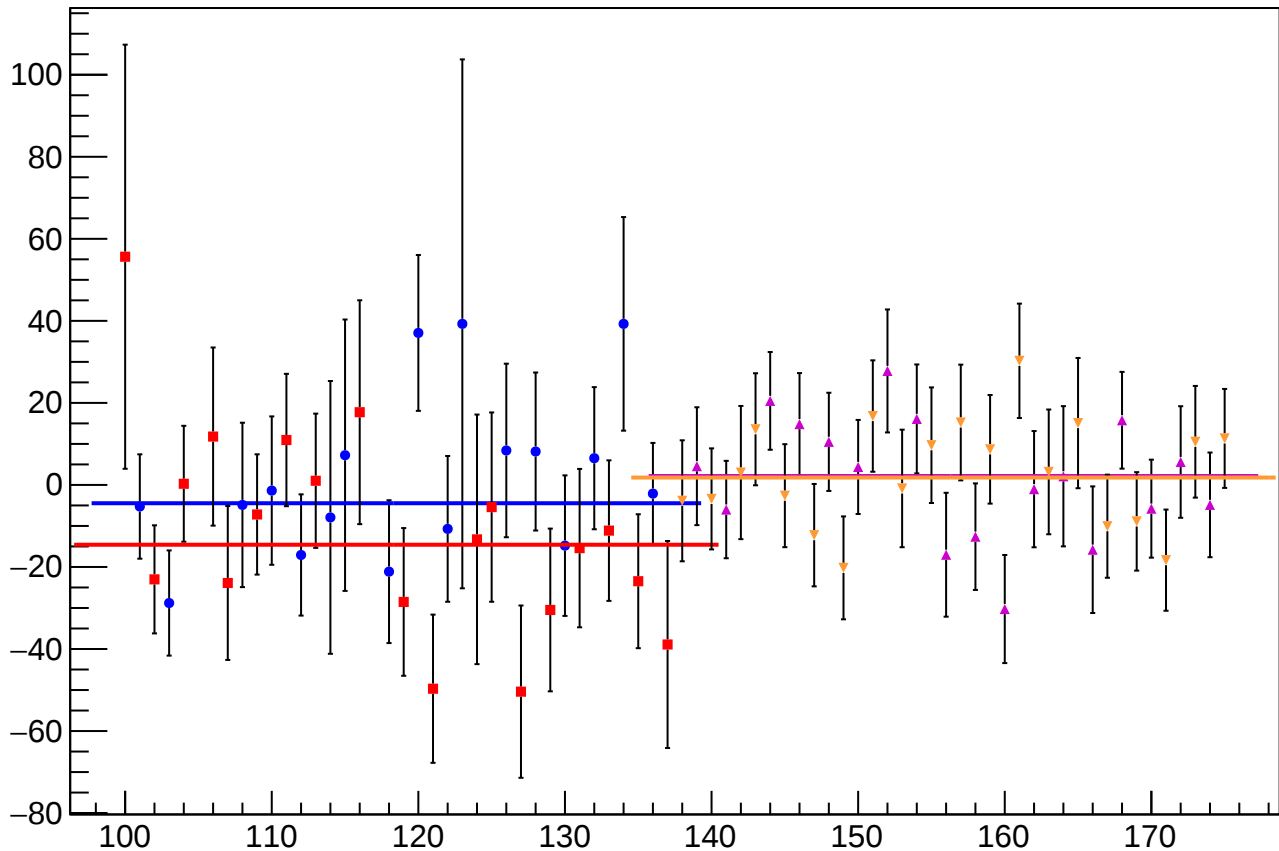
Left In: 21.661 $\pm$ 0.004 χ^2 /NDF: 16556.8/17

+ sign 21.838 $\pm$ 0.003 χ^2 /NDF: 36036.0/36

All: 21.780 $\pm$ 0.002 χ^2 /NDF: 70089.5/73

- sign 21.720 $\pm$ 0.003 χ^2 /NDF: 33420.7/36

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.461 ± 4.329 χ^2/NDF : 15.2/16

Left Out: 1.801 ± 3.001 χ^2/NDF : 18.5/19

Right Out: -14.579 ± 4.264 χ^2/NDF : 19.5/18

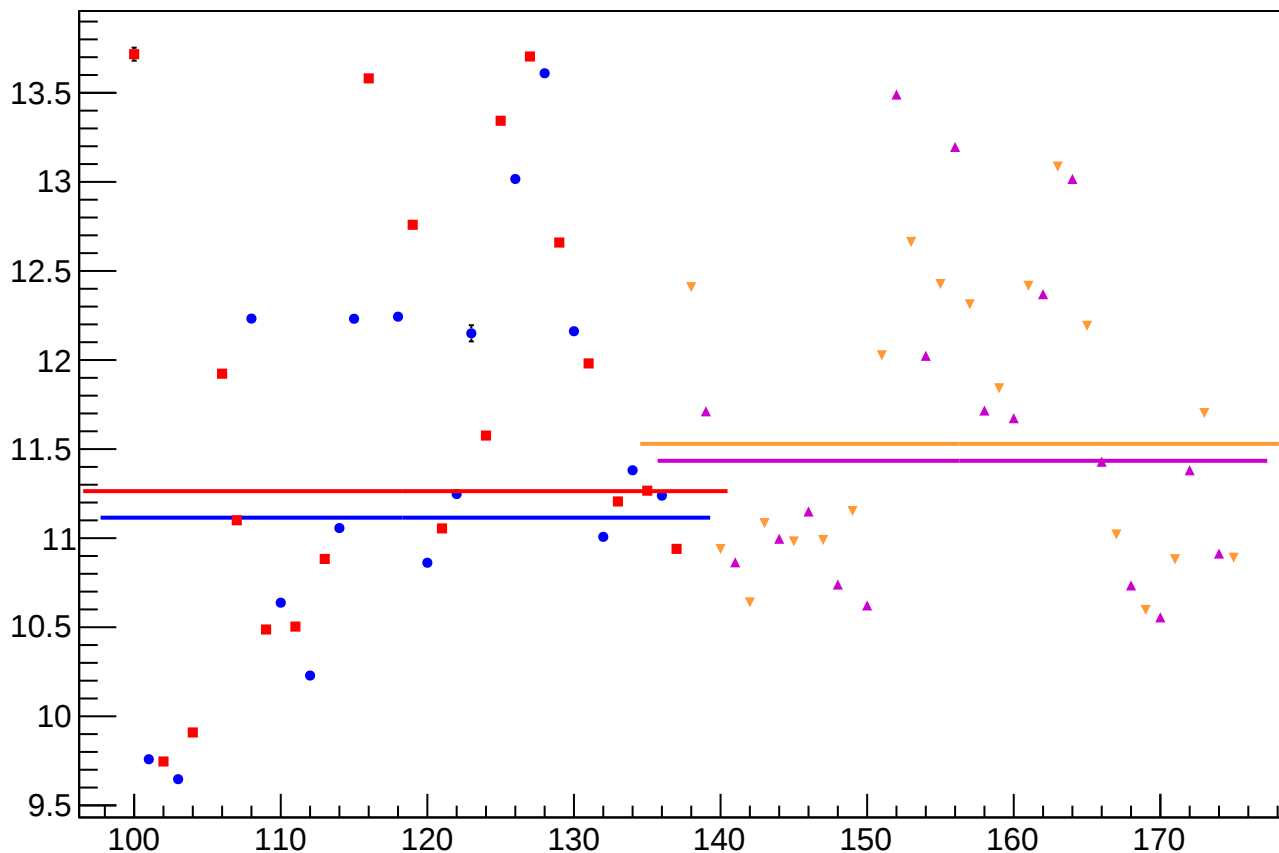
Left In: 2.167 ± 3.092 χ^2/NDF : 21.0/17

+ sign -0.231 ± 2.466 χ^2/NDF : 35.2/36

All: -1.893 ± 1.757 χ^2/NDF : 86.6/73

- sign -3.604 ± 2.503 χ^2/NDF : 50.6/36

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: 11.530 $\pm$ 0.002 χ^2 /NDF: 119124.5/19

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

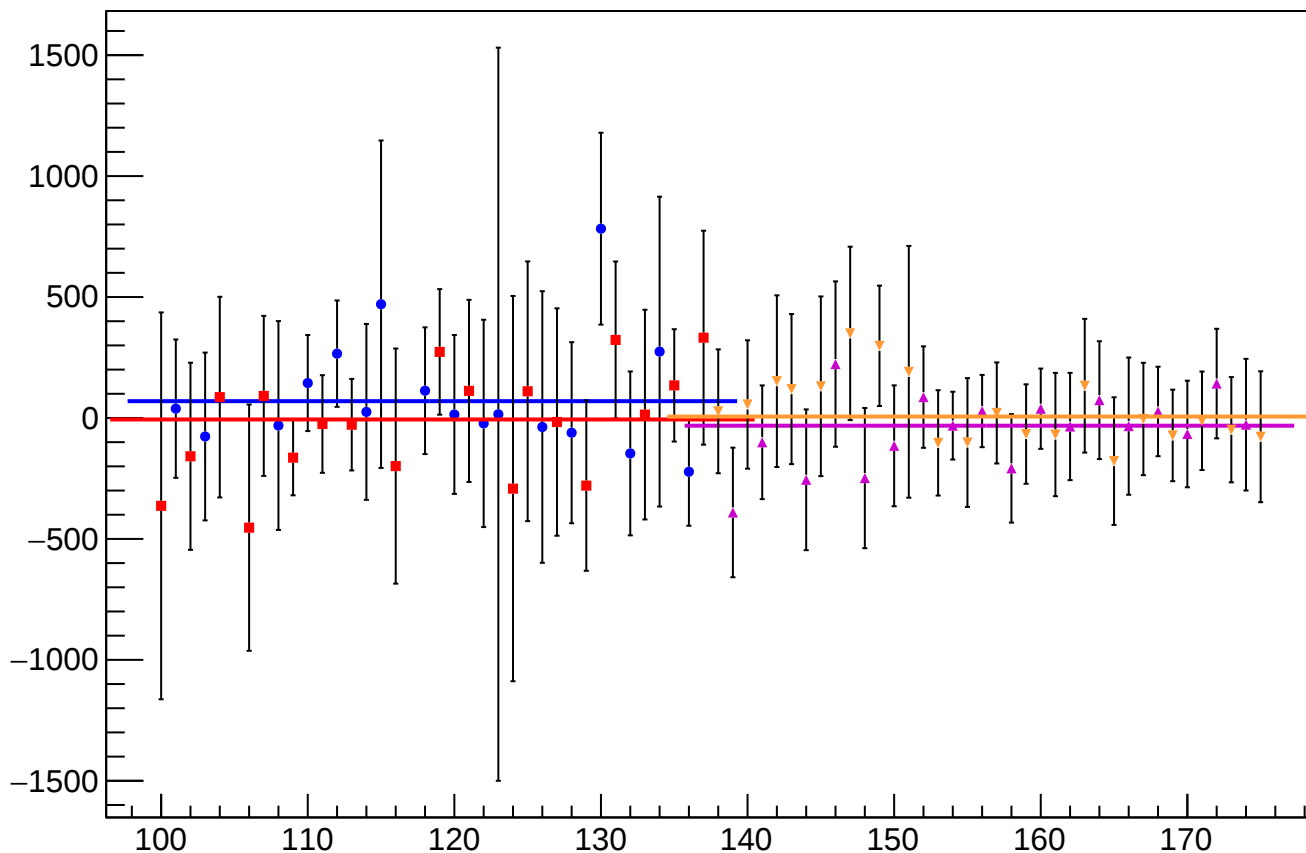
Left In: 11.434 $\pm$ 0.002 χ^2 /NDF: 143321.0/17

+ sign 11.395 $\pm$ 0.002 χ^2 /NDF: 264572.3/36

All: 11.385 $\pm$ 0.001 χ^2 /NDF: 557530.2/73

- sign 11.376 $\pm$ 0.002 χ^2 /NDF: 292896.7/36

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: 5.832 ± 56.556 χ^2/NDF : 4.5/19

Right Out: -6.194 ± 70.182 χ^2/NDF : 6.5/18

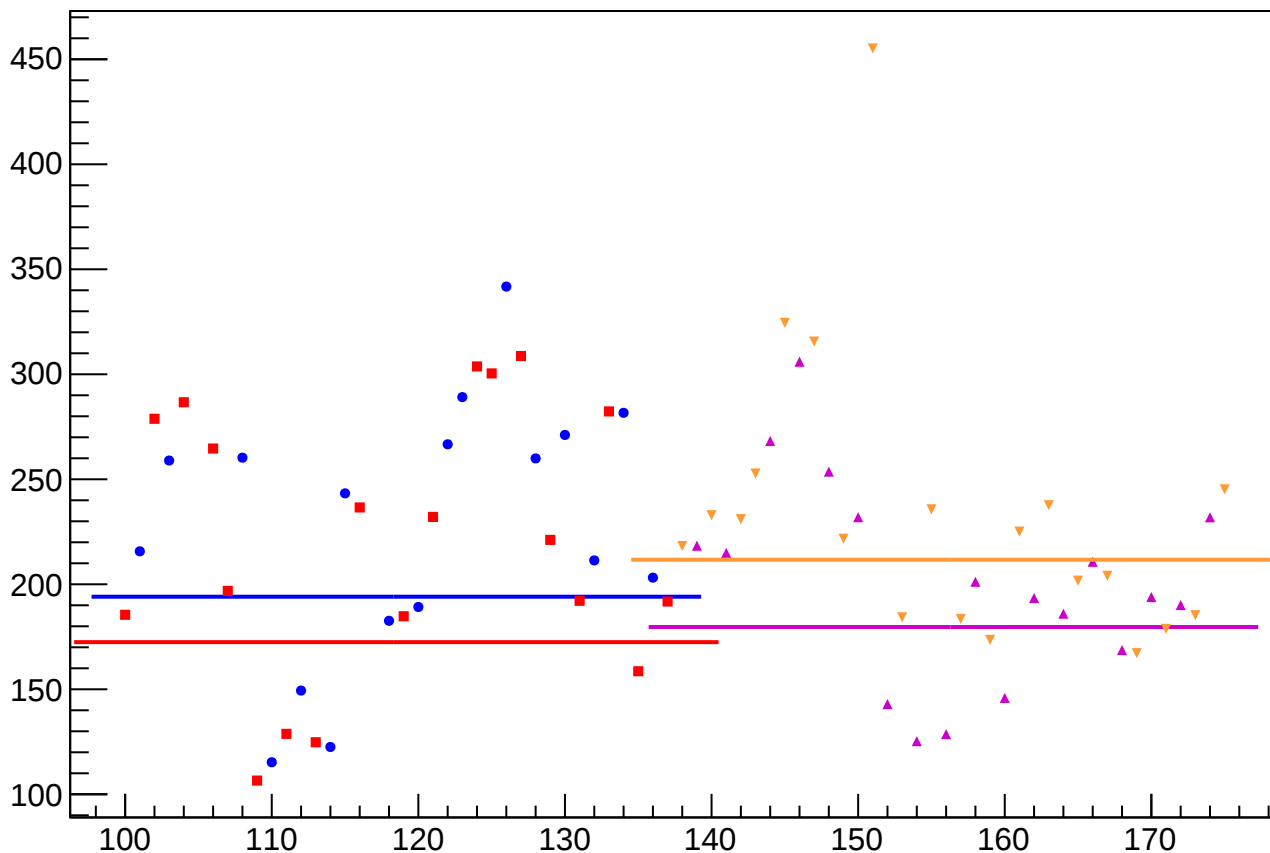
Left In: -31.916 ± 50.808 χ^2/NDF : 5.9/17

+ sign 27.312 ± 46.032 χ^2/NDF : 12.2/36

All: -0.689 ± 30.681 χ^2/NDF : 25.4/73

- sign -23.071 ± 41.155 χ^2/NDF : 12.5/36

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: 211.696 $\pm$ 0.040 χ^2 /NDF:1252864.8/19

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

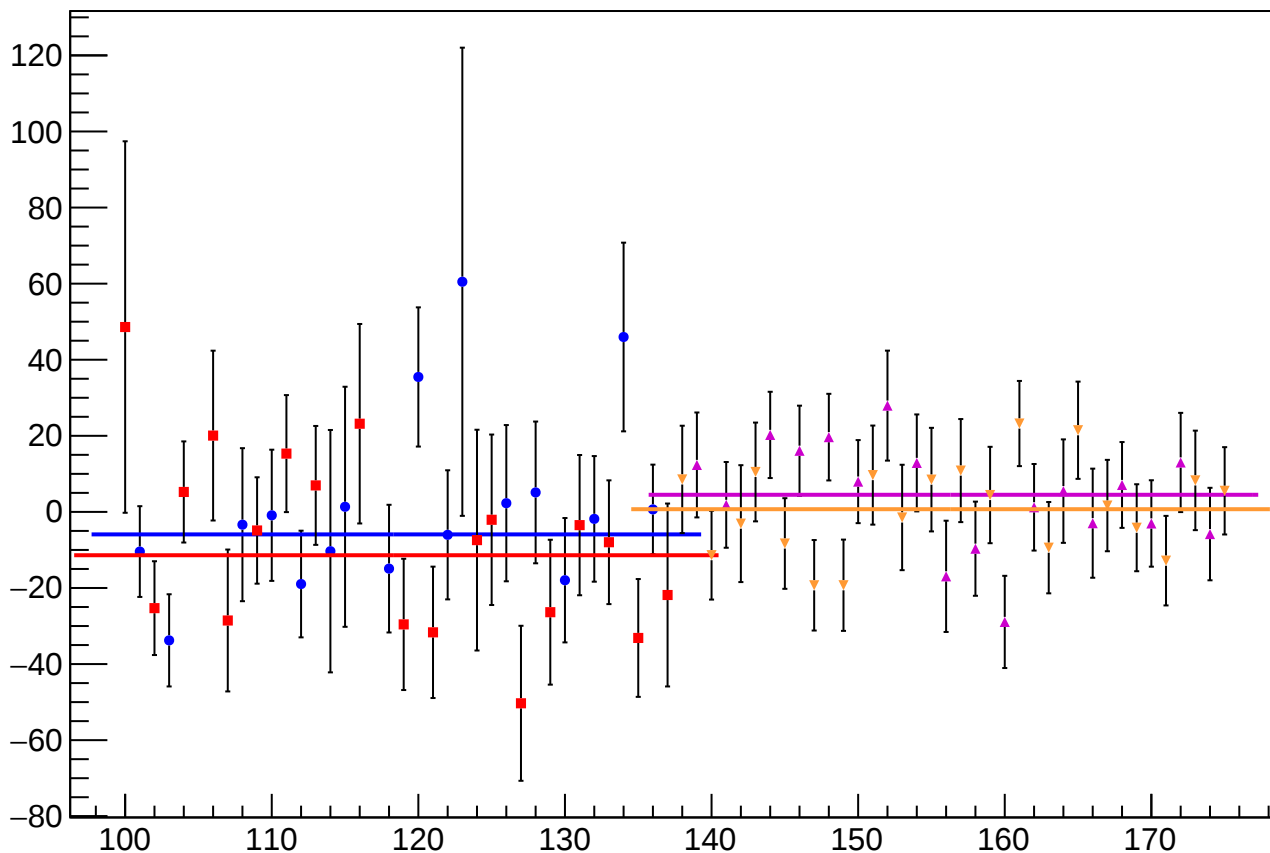
Left In: 179.650 $\pm$ 0.036 χ^2 /NDF:1586262.8/17

+ sign 205.750 $\pm$ 0.033 χ^2 /NDF: 2323741.4/36

All: 189.869 $\pm$ 0.022 χ^2 /NDF: 5921610.7/73

- sign 177.175 $\pm$ 0.029 χ^2 /NDF: 3169530.6/36

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: 0.711 ± 2.795 χ^2/NDF : 19.1/19

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

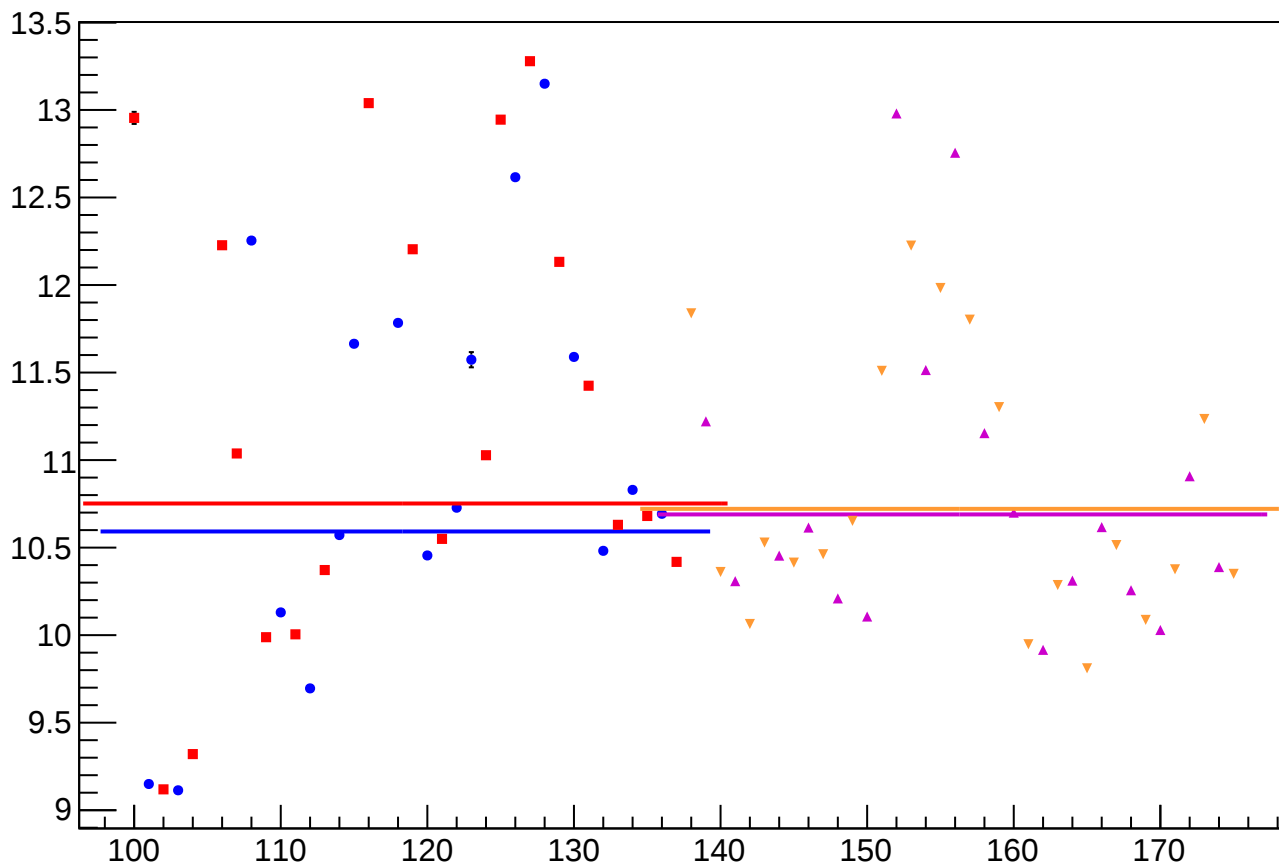
Left In: 4.499 ± 2.895 χ^2/NDF : 21.3/17

+ sign -1.367 ± 2.315 χ^2/NDF : 39.7/36

All: -1.101 ± 1.653 χ^2/NDF : 93.9/73

- sign -0.824 ± 2.361 χ^2/NDF : 54.2/36

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: 10.721 $\pm$ 0.002 χ^2 /NDF:121866.8/19

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 176895.3/18

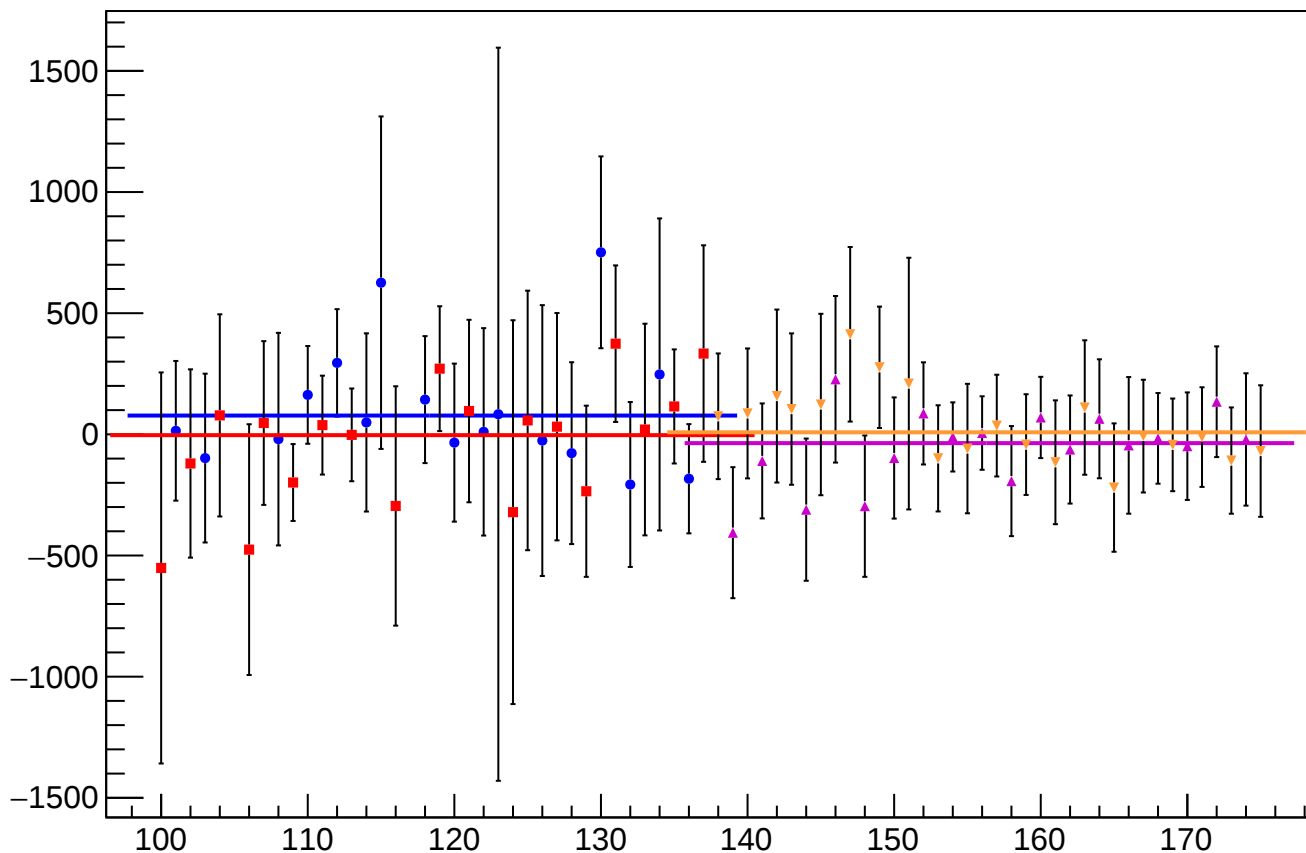
Left In: 10.690 $\pm$ 0.002 χ^2 /NDF:139132.4/17

+ sign 10.681 $\pm$ 0.002 χ^2 /NDF: 283605.7/36

All: 10.695 $\pm$ 0.001 χ^2 /NDF: 600105.2/73

- sign 10.711 $\pm$ 0.002 χ^2 /NDF: 316339.2/36

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 77.589 $\pm$ 79.751 χ^2 /NDF: 7.6/16

Left Out: 8.432 $\pm$ 56.939 χ^2 /NDF: 5.0/19

Right Out: -3.305 $\pm$ 70.855 χ^2 /NDF: 7.4/18

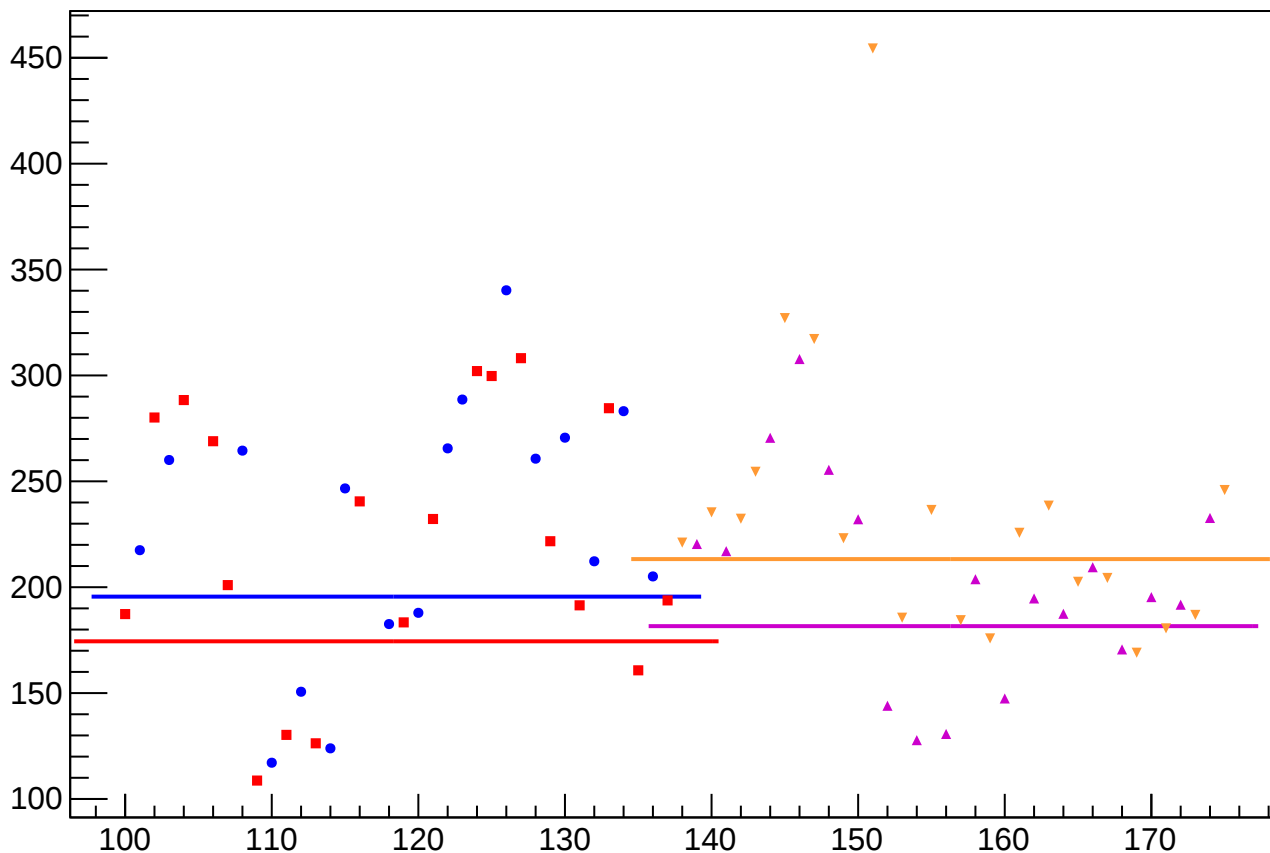
Left In: -36.183 $\pm$ 51.297 χ^2 /NDF: 6.4/17

+ sign 31.782 $\pm$ 46.340 χ^2 /NDF: 13.1/36

All: 0.374 $\pm$ 30.936 χ^2 /NDF: 27.8/73

- sign -24.877 $\pm$ 41.551 χ^2 /NDF: 13.9/36

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: 213.273 $\pm$ 0.040 χ^2 /NDF:1233804.1/19

Right Out: 174.449 $\pm$ 0.050 χ^2 /NDF: 1528629.1/18

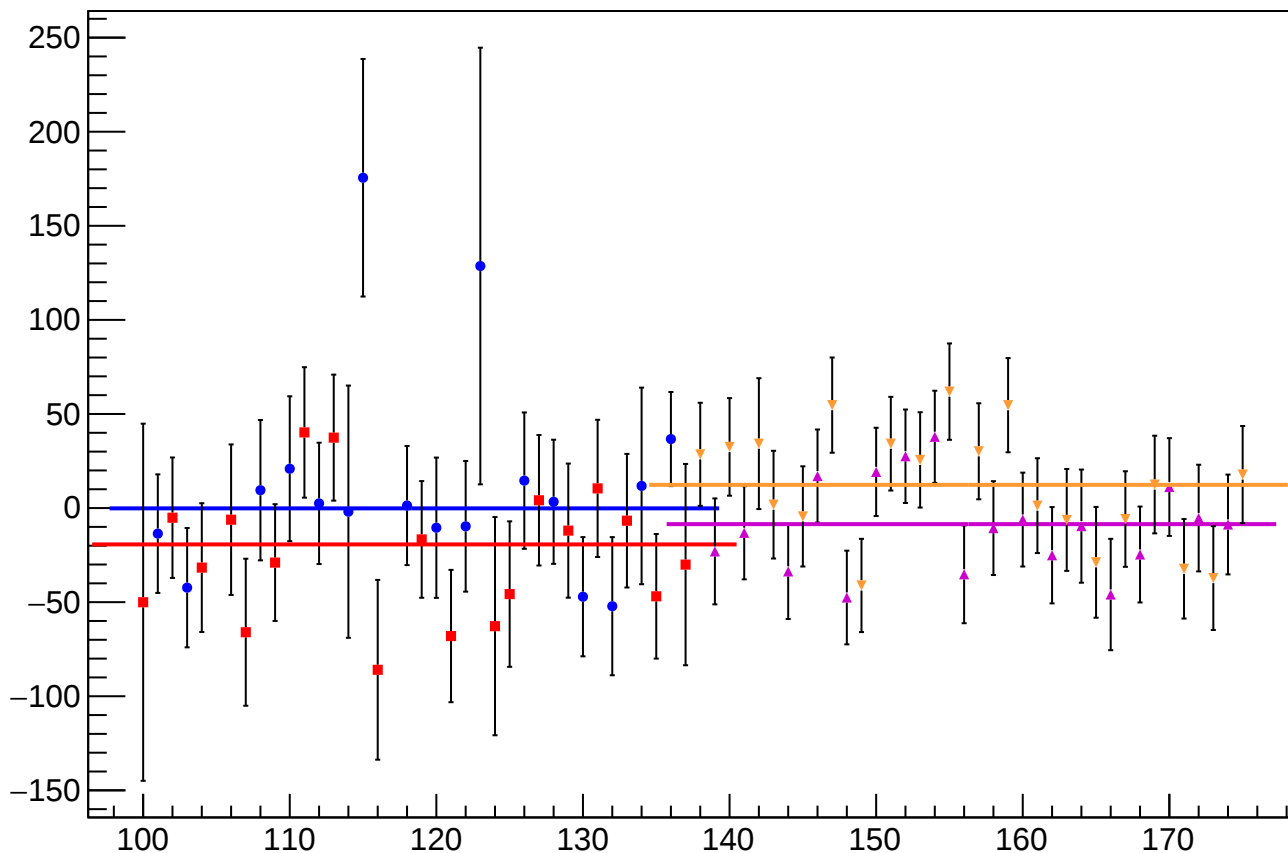
Left In: 181.615 $\pm$ 0.036 χ^2 /NDF:1539878.0/17

+ sign 207.289 $\pm$ 0.033 χ^2 /NDF: 2279158.1/36

All: 191.691 $\pm$ 0.022 χ^2 /NDF: 5769870.9/73

- sign 179.150 $\pm$ 0.029 χ^2 /NDF: 3081927.0/36

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: 12.332 ± 5.905 χ^2/NDF : 26.7/19

Right Out: -19.316 ± 8.554 χ^2/NDF : 14.8/18

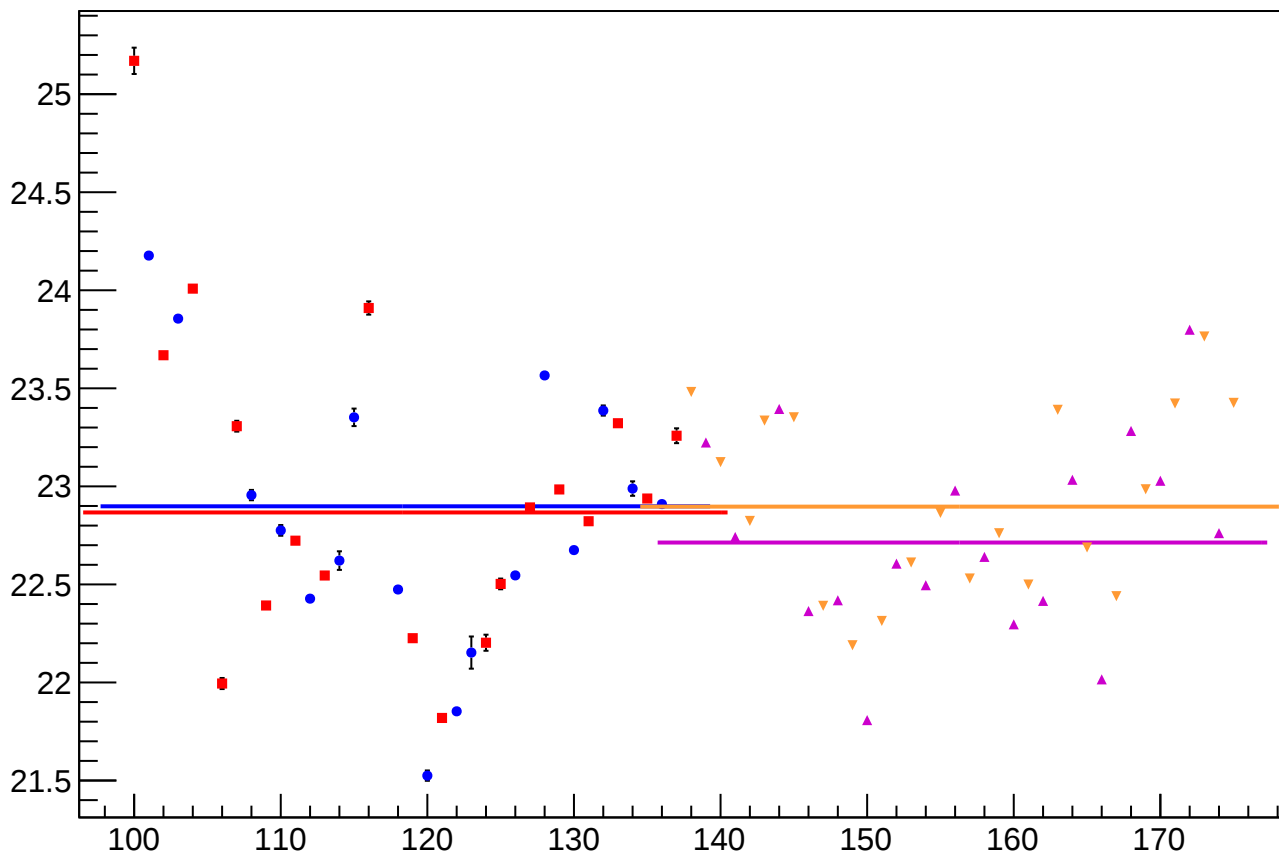
Left In: -8.537 ± 6.089 χ^2/NDF : 16.0/17

+ sign 8.470 ± 4.908 χ^2/NDF : 46.2/36

All: -1.737 ± 3.489 χ^2/NDF : 86.8/73

- sign -12.162 ± 4.960 χ^2/NDF : 31.8/36

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.898 ± 0.006 $\chi^2/\text{NDF}: 12143.3/16$

Left Out: 22.897 ± 0.004 $\chi^2/\text{NDF}: 11925.3/19$

Right Out: 22.867 ± 0.006 $\chi^2/\text{NDF}: 11048.4/18$

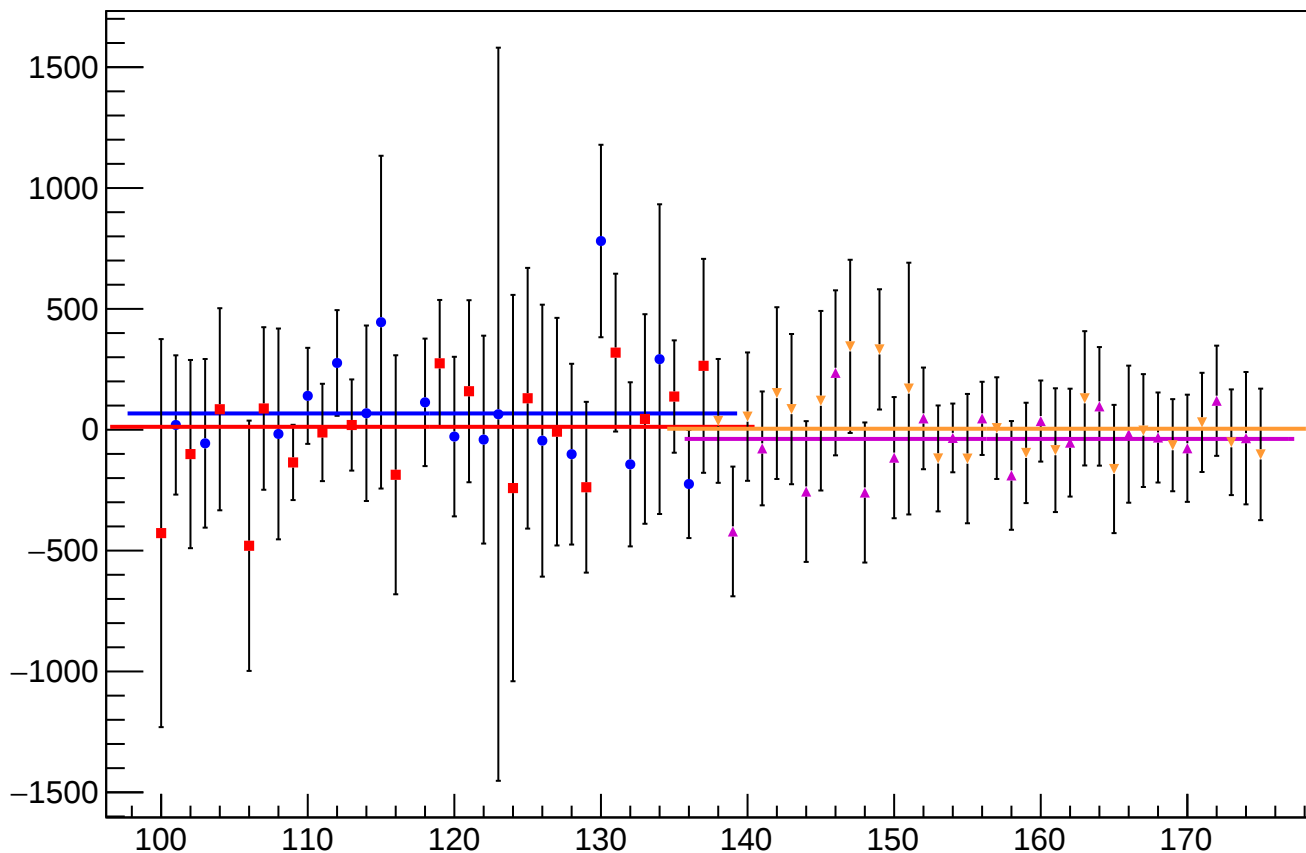
Left In: 22.714 ± 0.004 $\chi^2/\text{NDF}: 12592.6/17$

+ sign 22.897 ± 0.003 $\chi^2/\text{NDF}: 24068.6/36$

All: 22.832 ± 0.002 $\chi^2/\text{NDF}: 48852.9/73$

- sign 22.765 ± 0.004 $\chi^2/\text{NDF}: 24068.2/36$

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: 4.145 $\pm$ 56.827 χ^2 /NDF: 5.0/19

Right Out: 12.117 $\pm$ 70.355 χ^2 /NDF: 5.8/18

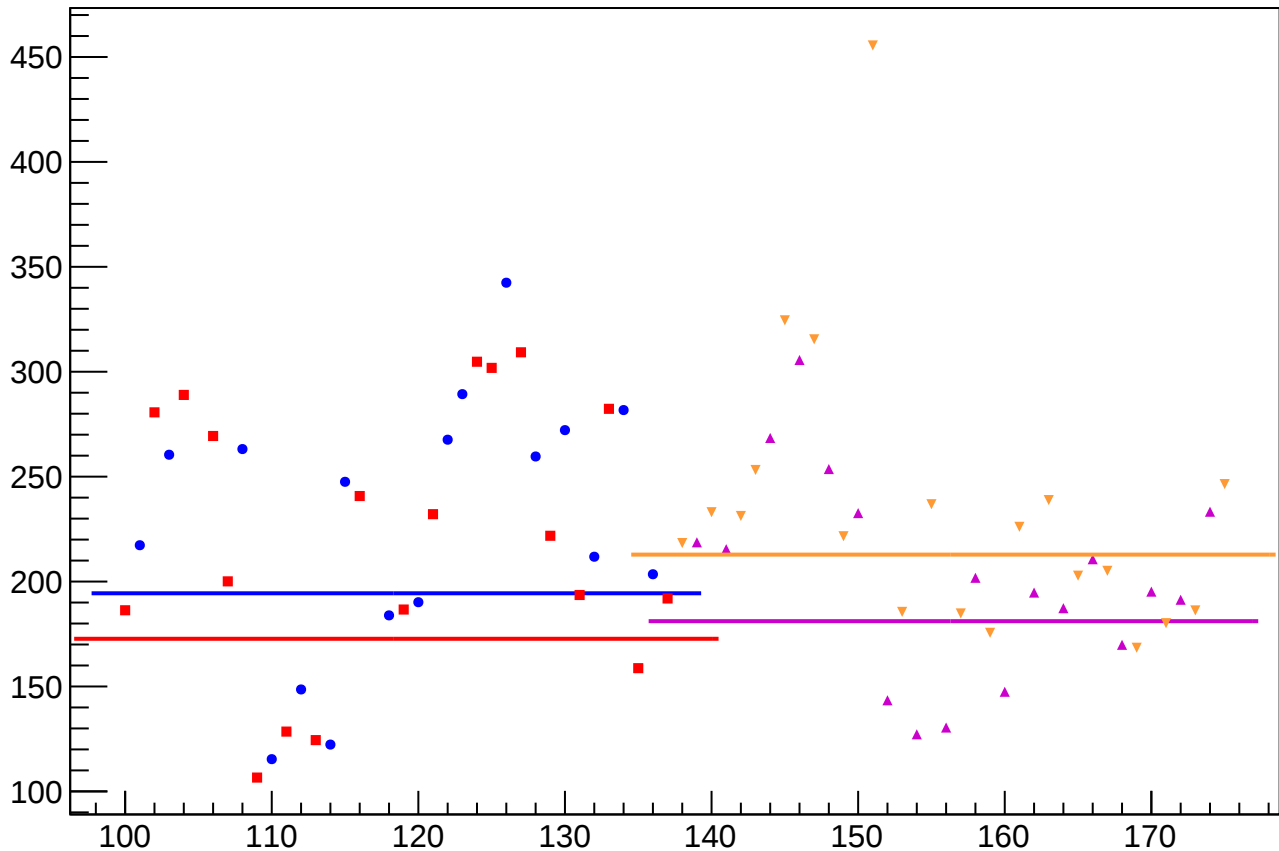
Left In: -37.974 $\pm$ 51.164 χ^2 /NDF: 5.9/17

+ sign 25.586 $\pm$ 46.212 χ^2 /NDF: 12.8/36

All: -0.073 $\pm$ 30.827 χ^2 /NDF: 25.3/73

- sign -20.646 $\pm$ 41.379 χ^2 /NDF: 12.0/36

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: 212.847 $\pm$ 0.040 χ^2 /NDF:1227399.4/19

Right Out: 172.730 $\pm$ 0.050 χ^2 /NDF: 1596758.0/18

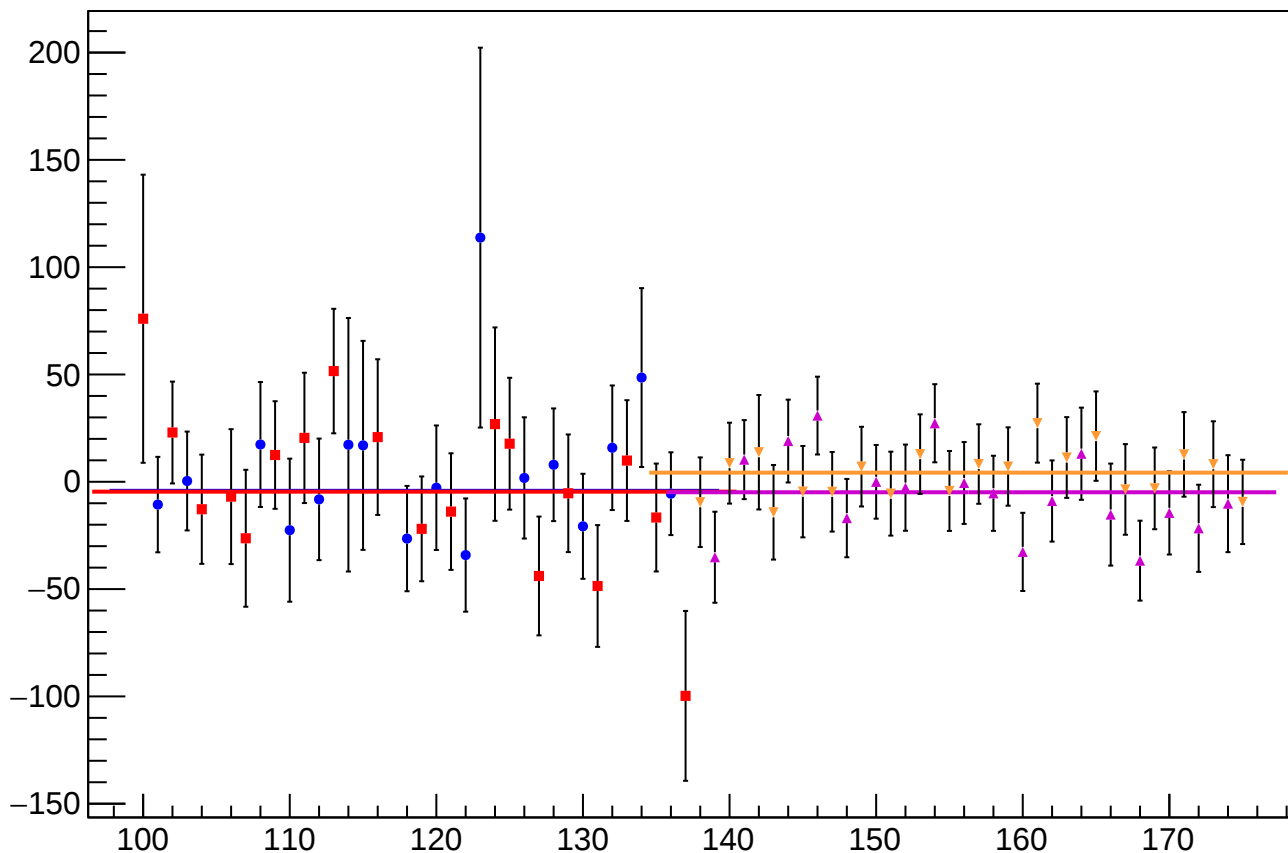
Left In: 181.128 $\pm$ 0.036 χ^2 /NDF:1532853.9/17

+ sign 206.602 $\pm$ 0.033 χ^2 /NDF: 2318612.0/36

All: 190.851 $\pm$ 0.022 χ^2 /NDF: 5885493.7/73

- sign 178.223 $\pm$ 0.029 χ^2 /NDF: 3148248.2/36

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: 4.261 ± 4.399 χ^2/NDF : 5.9/19

Right Out: -4.599 ± 6.725 χ^2/NDF : 21.1/18

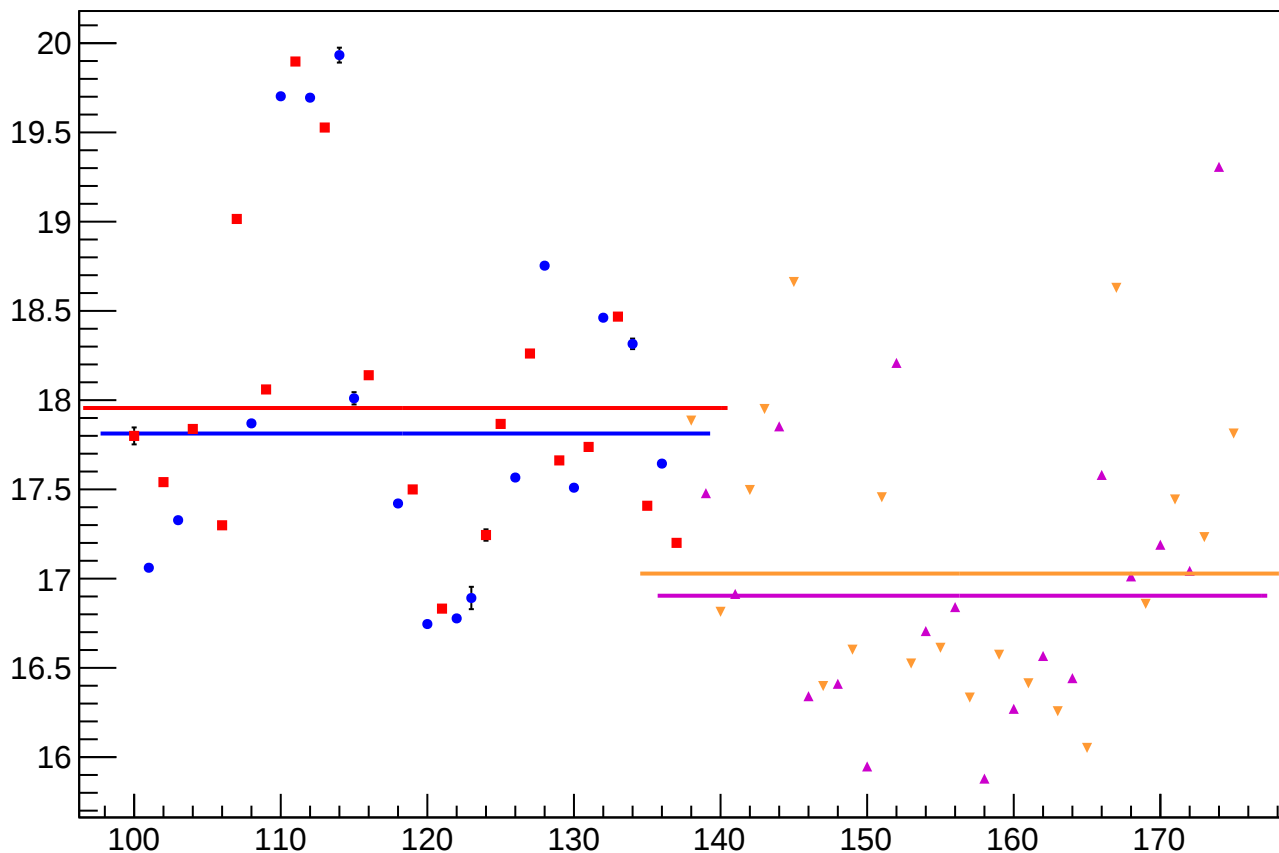
Left In: -4.879 ± 4.542 χ^2/NDF : 19.0/17

+ sign 1.795 ± 3.705 χ^2/NDF : 15.0/36

All: -1.446 ± 2.640 χ^2/NDF : 56.6/73

- sign -4.792 ± 3.764 χ^2/NDF : 40.1/36

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.813+/-0.005 χ^2/NDF : 32034.8/16

Left Out: 17.028+/-0.003 χ^2/NDF : 56305.5/19

Right Out: 17.956+/-0.005 χ^2/NDF : 25445.3/18

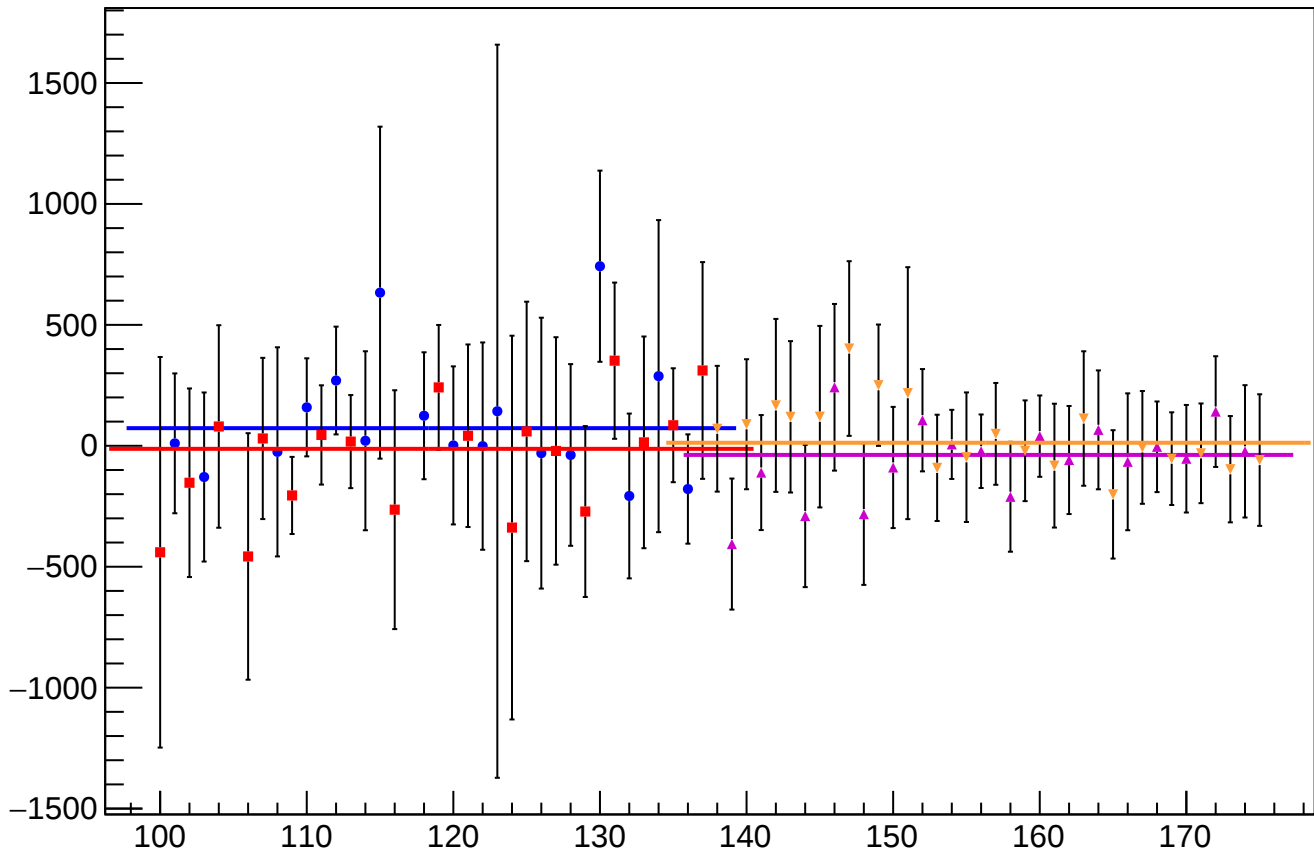
Left In: 16.904+/-0.003 χ^2/NDF : 60291.1/17

+ sign 17.256+/-0.003 χ^2/NDF : 106836.6/36

All: 17.245+/-0.002 χ^2/NDF : 226201.1/73

- sign 17.234+/-0.003 χ^2/NDF : 119327.3/36

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 72.888 $\pm$ 79.948 χ^2 /NDF: 7.2/16

Left Out: 12.628 $\pm$ 57.066 χ^2 /NDF: 4.5/19

Right Out: -12.565 $\pm$ 71.013 χ^2 /NDF: 6.7/18

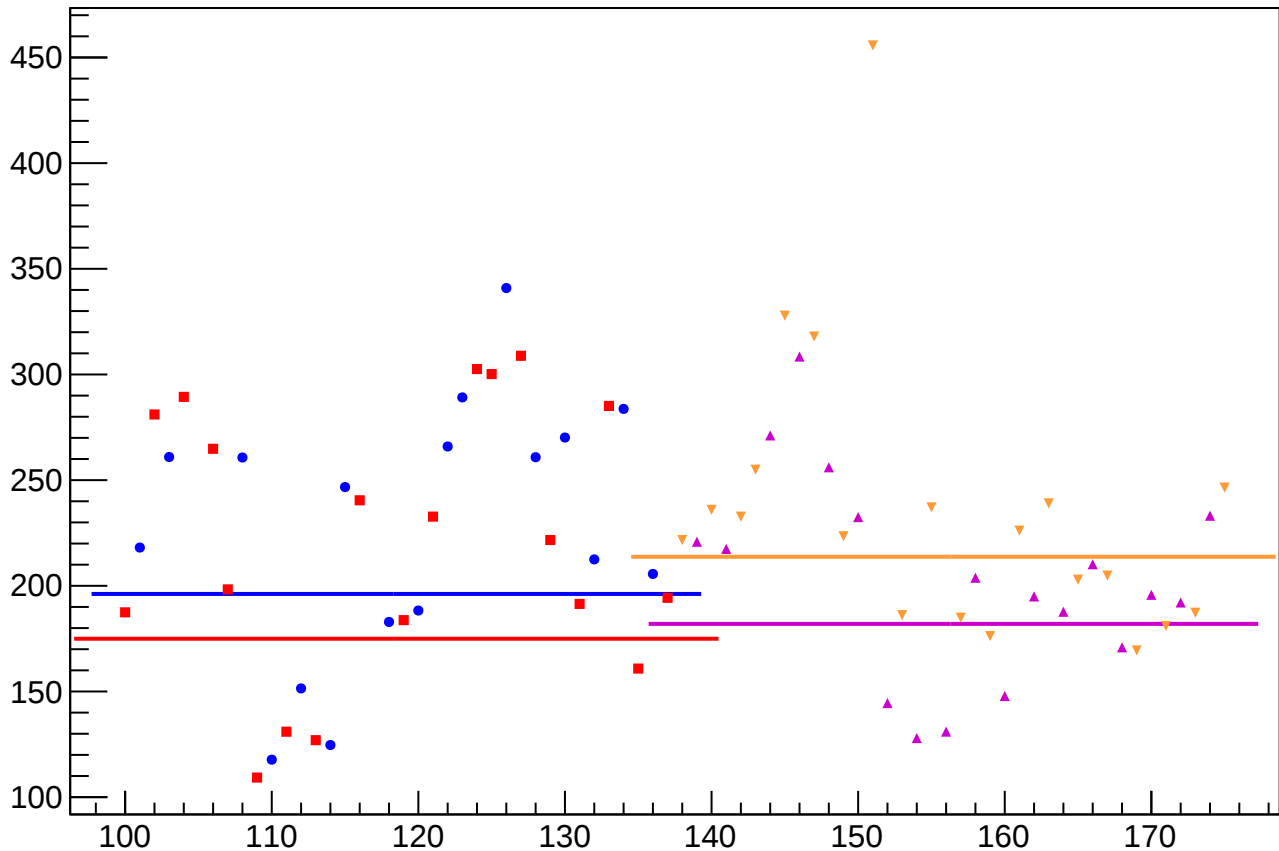
Left In: -37.667 $\pm$ 51.401 χ^2 /NDF: 6.3/17

+ sign 32.967 $\pm$ 46.447 χ^2 /NDF: 12.1/36

All: -1.410 $\pm$ 31.004 χ^2 /NDF: 26.2/73

- sign -29.037 $\pm$ 41.638 χ^2 /NDF: 13.1/36

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: 213.744 $\pm$ 0.040 χ^2 /NDF:1234049.5/19

Right Out: 174.965 $\pm$ 0.050 χ^2 /NDF: 1510956.5/18

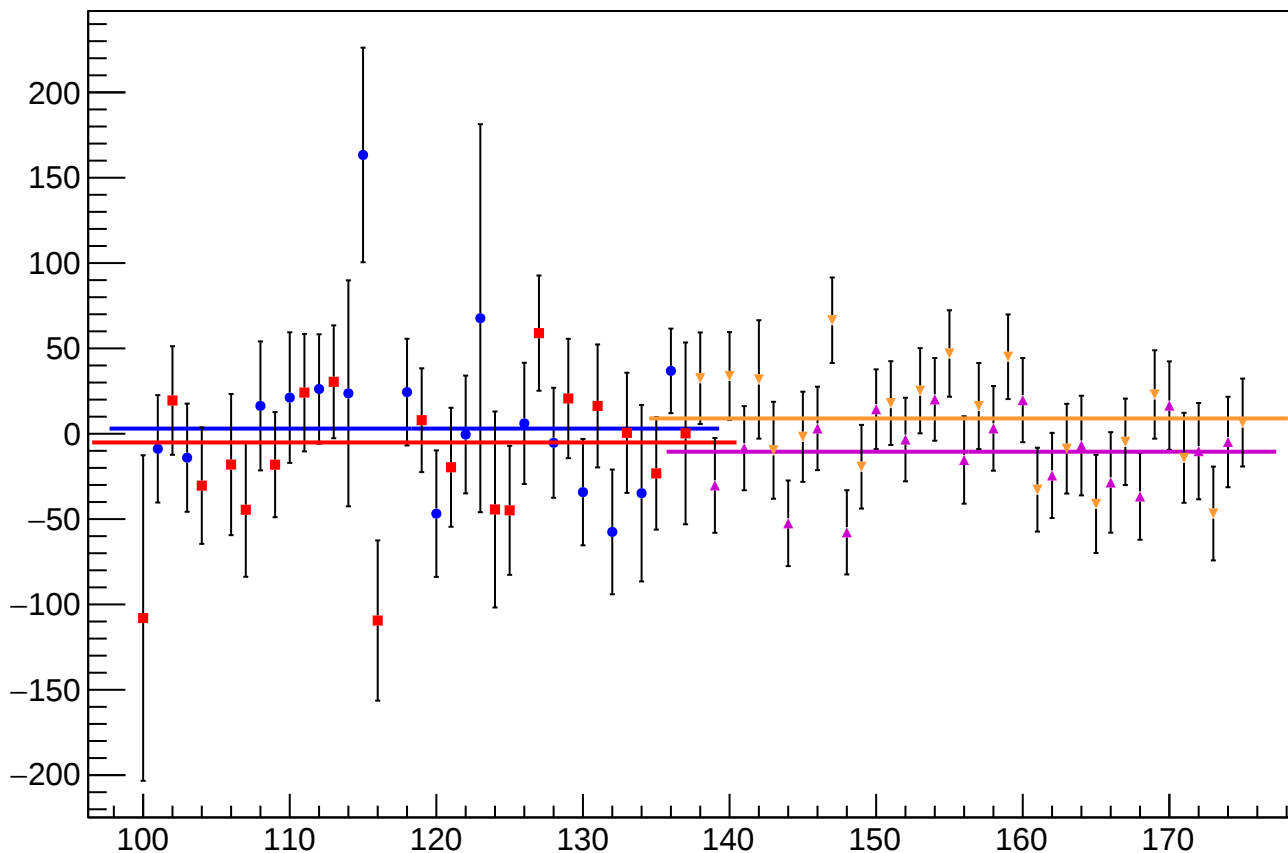
Left In: 181.982 $\pm$ 0.036 χ^2 /NDF:1539608.5/17

+ sign 207.806 $\pm$ 0.033 χ^2 /NDF: 2263211.0/36

All: 192.151 $\pm$ 0.022 χ^2 /NDF: 5736406.2/73

- sign 179.569 $\pm$ 0.029 χ^2 /NDF: 3063380.0/36

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: 8.970 ± 5.839 $\chi^2/\text{NDF}: 26.2/19$

Right Out: -5.092 ± 8.477 $\chi^2/\text{NDF}: 17.2/18$

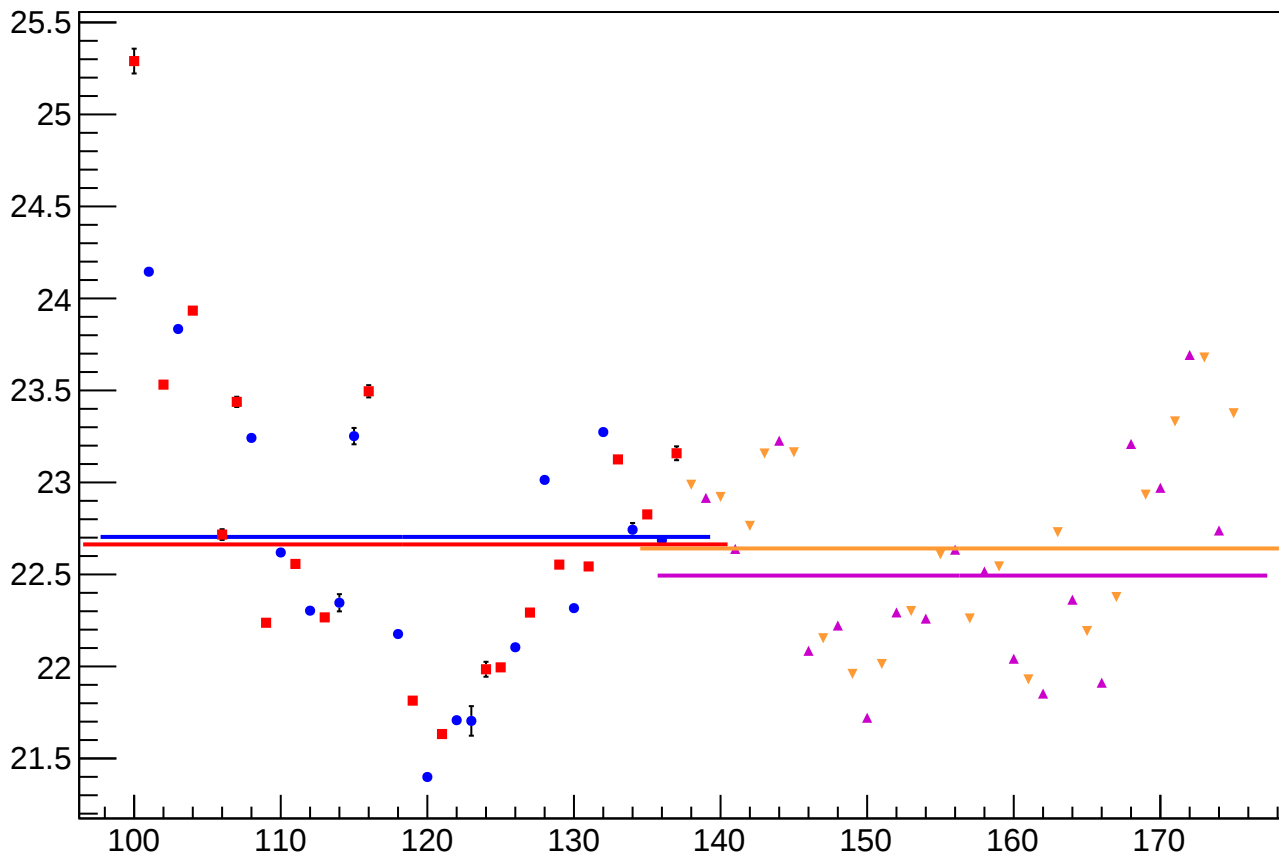
Left In: -10.519 ± 6.030 $\chi^2/\text{NDF}: 14.8/17$

+ sign 7.138 ± 4.857 $\chi^2/\text{NDF}: 43.7/36$

All: -0.688 ± 3.454 $\chi^2/\text{NDF}: 81.3/73$

- sign -8.696 ± 4.914 $\chi^2/\text{NDF}: 32.3/36$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.704+/-0.006 χ^2 /NDF: 14105.8/16

Left Out: 22.641+/-0.004 χ^2 /NDF:15028.3/19

Right Out: 22.663+/-0.006 χ^2 /NDF: 12943.4/18

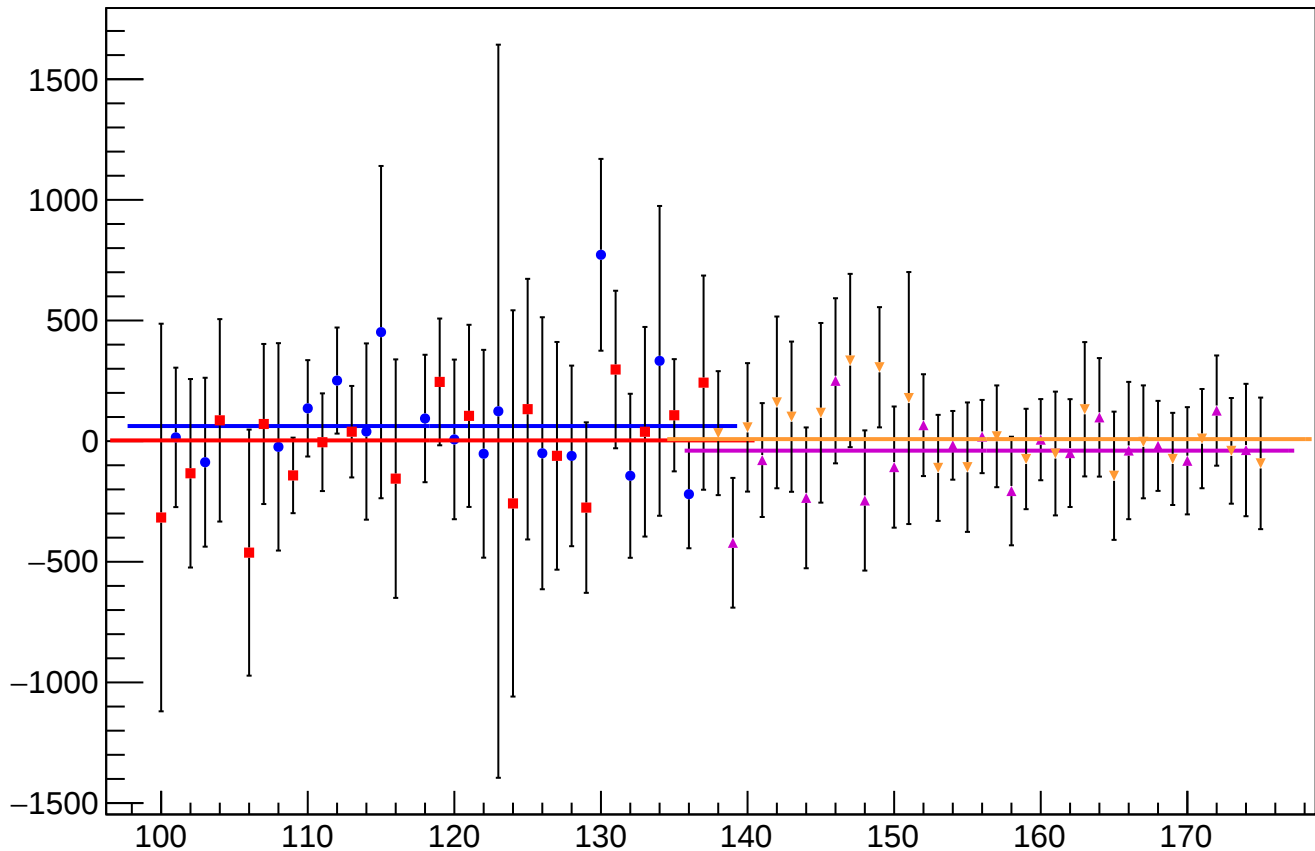
Left In: 22.494+/-0.004 χ^2 /NDF:14473.4/17

+ sign 22.661+/-0.003 χ^2 /NDF: 29205.2/36

All: 22.606+/-0.002 χ^2 /NDF: 57657.0/73

- sign 22.551+/-0.003 χ^2 /NDF: 27946.8/36

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573 $\pm$ 79.605 χ^2 /NDF: 7.0/16

Left Out: 8.393 $\pm$ 56.953 χ^2 /NDF: 4.4/19

Right Out: 3.038 $\pm$ 70.518 χ^2 /NDF: 5.2/18

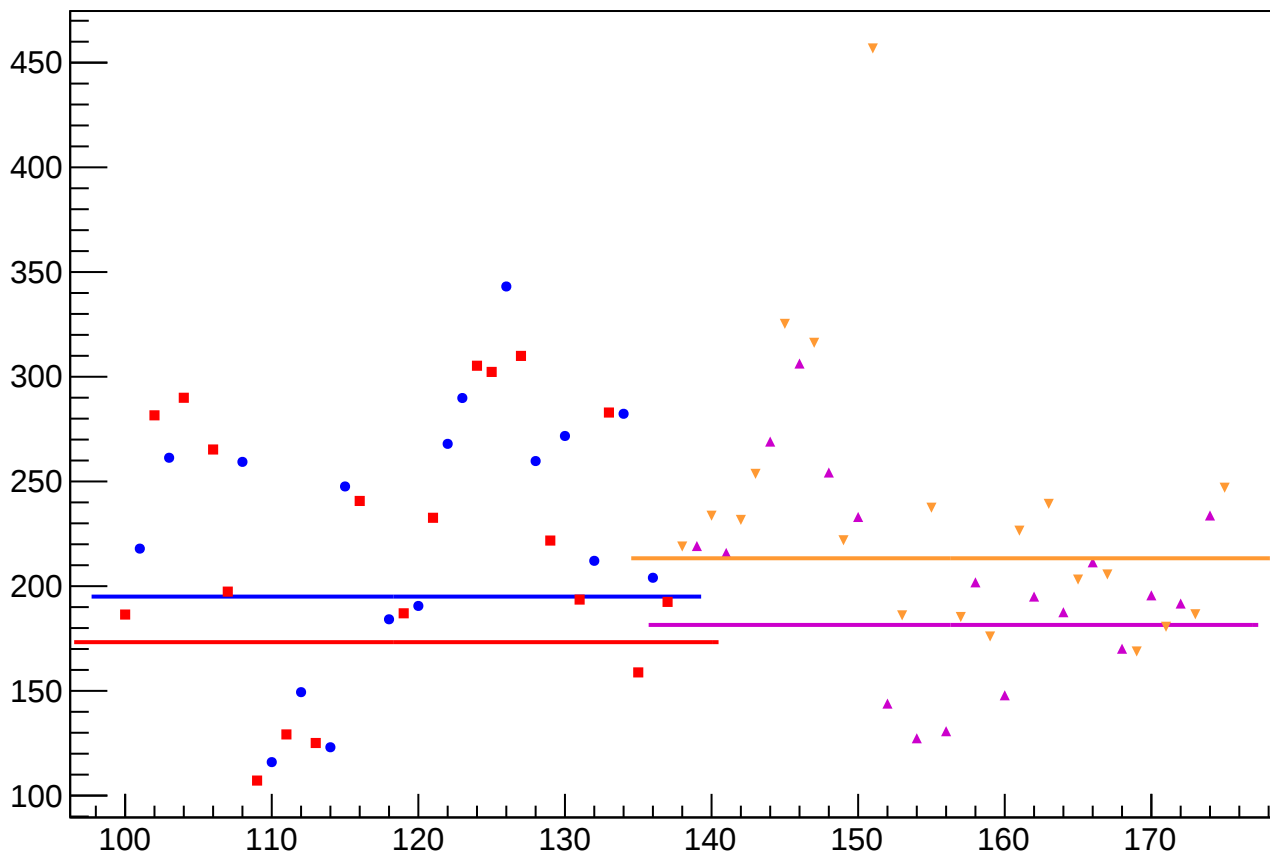
Left In: -39.402 $\pm$ 51.267 χ^2 /NDF: 5.7/17

+ sign 26.737 $\pm$ 46.319 χ^2 /NDF: 11.7/36

All: -1.831 $\pm$ 30.895 χ^2 /NDF: 23.6/73

- sign -24.727 $\pm$ 41.467 χ^2 /NDF: 11.2/36

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: 213.317 $\pm$ 0.040 χ^2/NDF : 1227650.3/19

Right Out: 173.262 $\pm$ 0.050 χ^2/NDF : 1578202.7/18

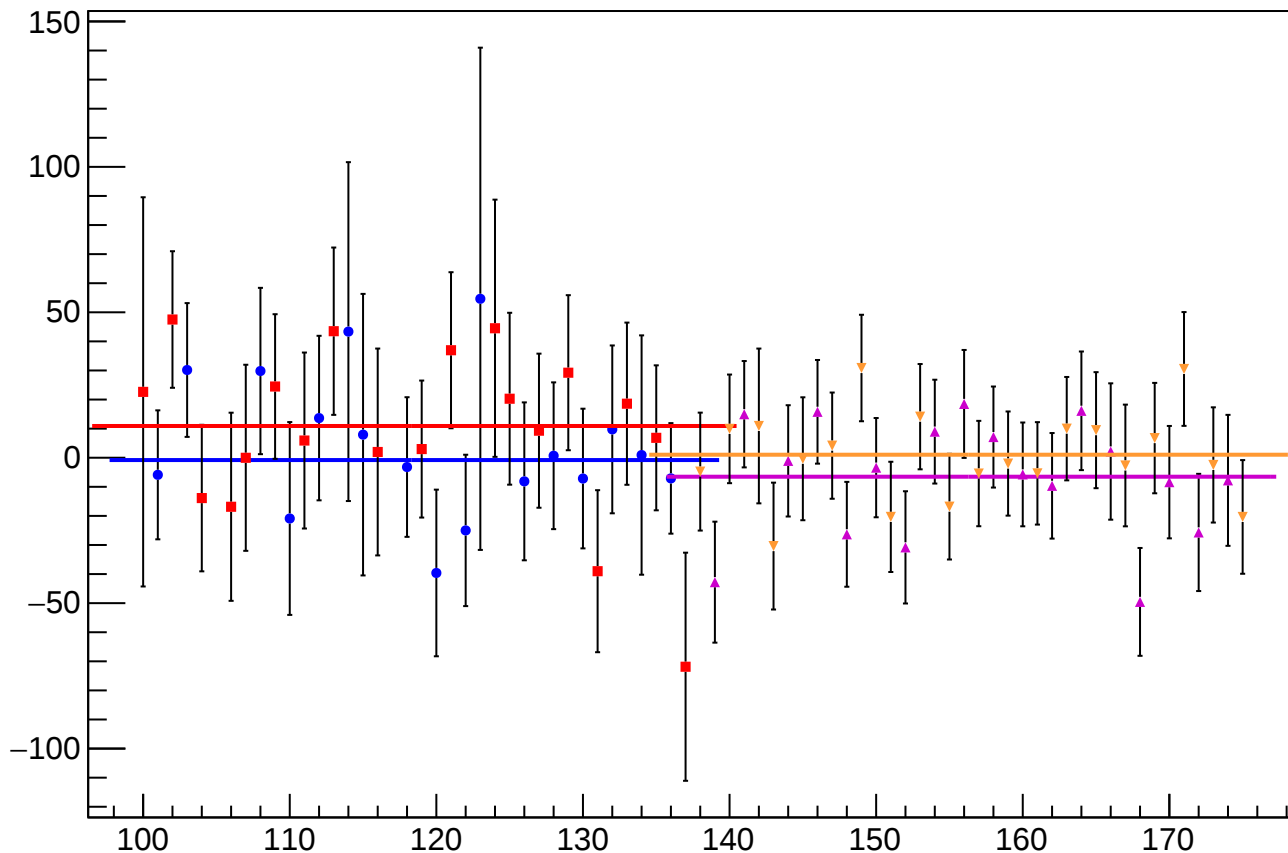
Left In: 181.493 $\pm$ 0.036 χ^2/NDF : 1532678.9/17

+ sign 207.123 $\pm$ 0.033 χ^2/NDF : 2301810.9/36

All: 191.316 $\pm$ 0.022 χ^2/NDF : 5850134.2/73

- sign 178.647 $\pm$ 0.029 χ^2/NDF : 3128710.0/36

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: 1.035 ± 4.311 χ^2/NDF : 12.3/19

Right Out: 10.912 ± 6.626 χ^2/NDF : 15.9/18

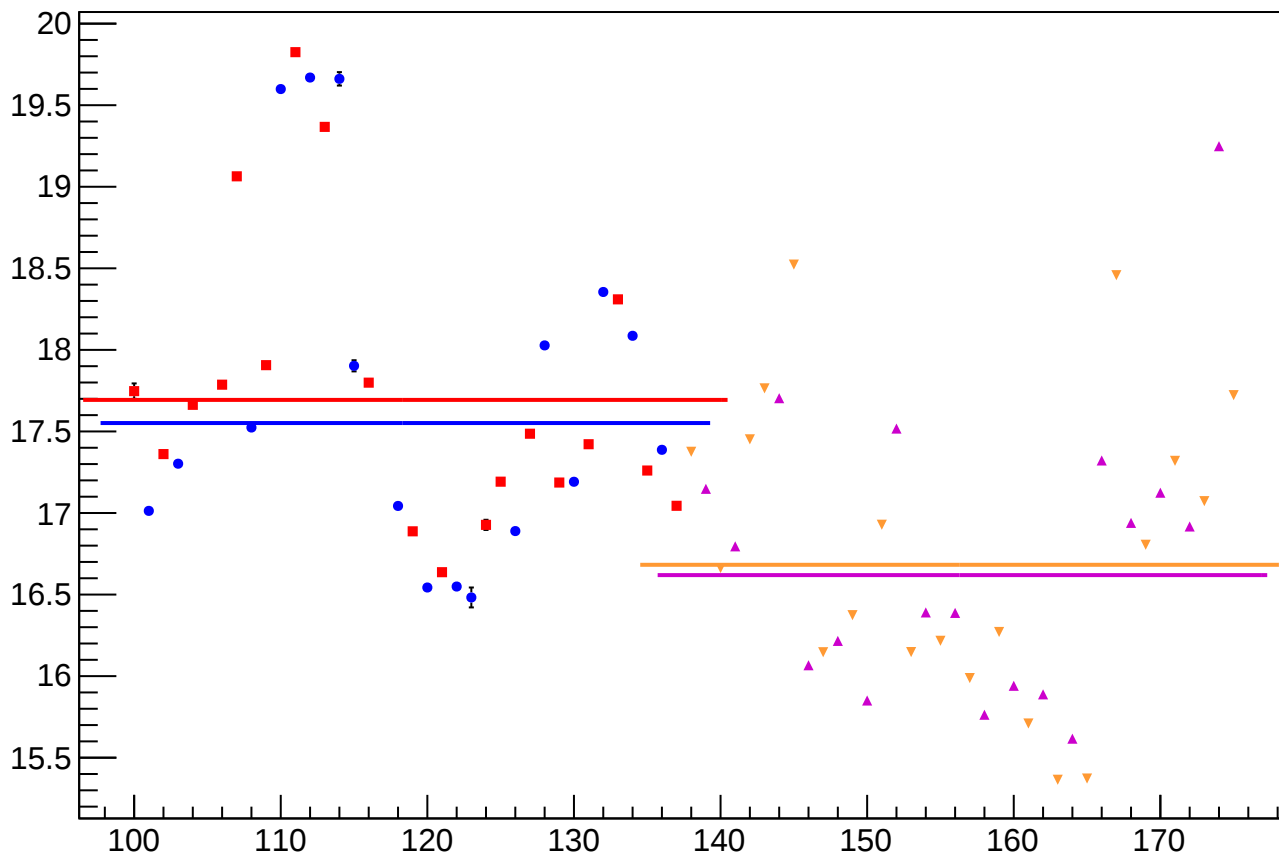
Left In: -6.527 ± 4.465 χ^2/NDF : 19.8/17

+ sign 0.505 ± 3.636 χ^2/NDF : 20.1/36

All: -0.274 ± 2.594 χ^2/NDF : 60.7/73

- sign -1.082 ± 3.703 χ^2/NDF : 40.5/36

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 ± 0.005 χ^2/NDF : 34027.1/16

Left Out: 16.683 ± 0.003 χ^2/NDF : 82561.9/19

Right Out: 17.693 ± 0.005 χ^2/NDF : 30742.0/18

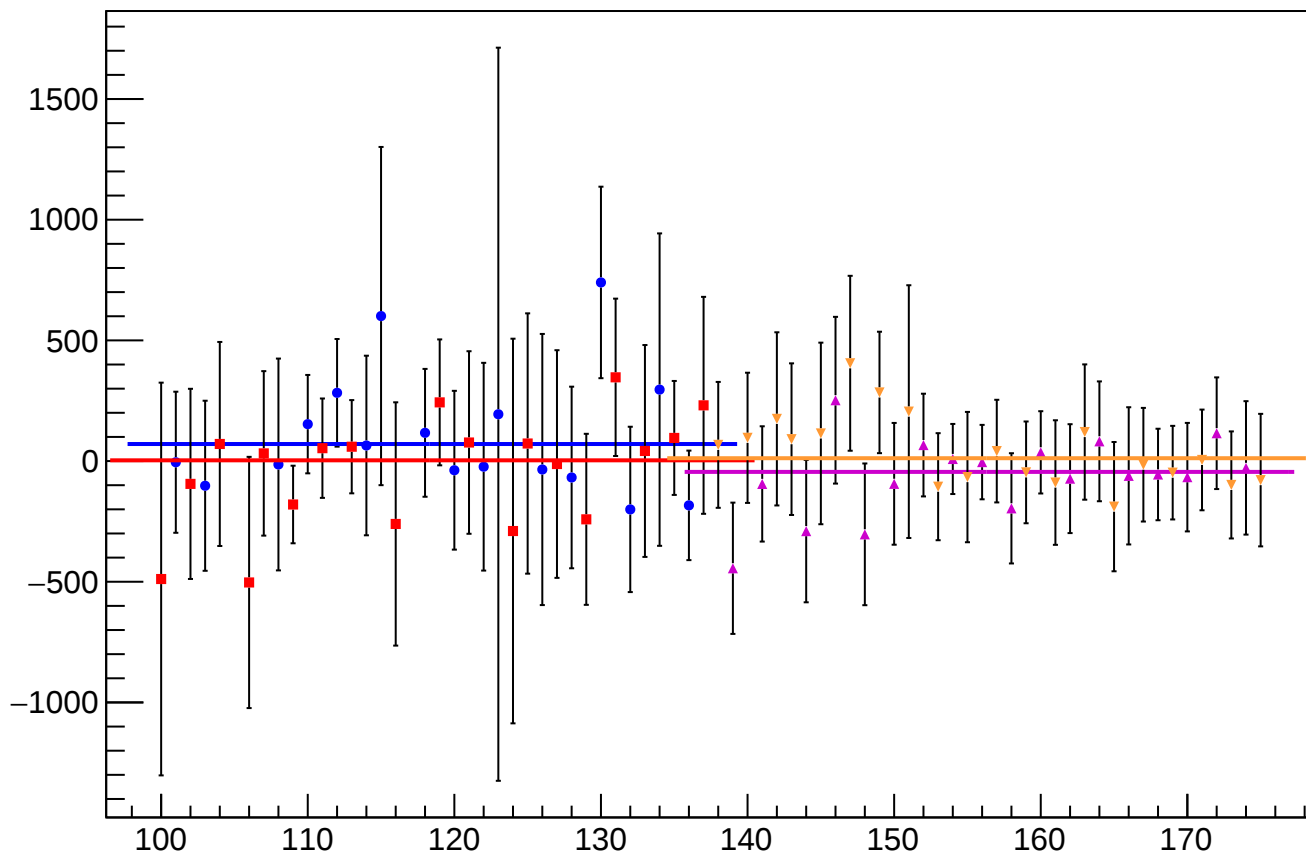
Left In: 16.619 ± 0.003 χ^2/NDF : 67170.4/17

+ sign 16.933 ± 0.003 χ^2/NDF : 140036.9/36

All: 16.944 ± 0.002 χ^2/NDF : 274123.3/73

- sign 16.955 ± 0.003 χ^2/NDF : 134052.1/36

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: 11.835+/-57.536 χ^2/NDF : 4.8/19

Right Out: 3.063+/-71.508 χ^2/NDF : 6.2/18

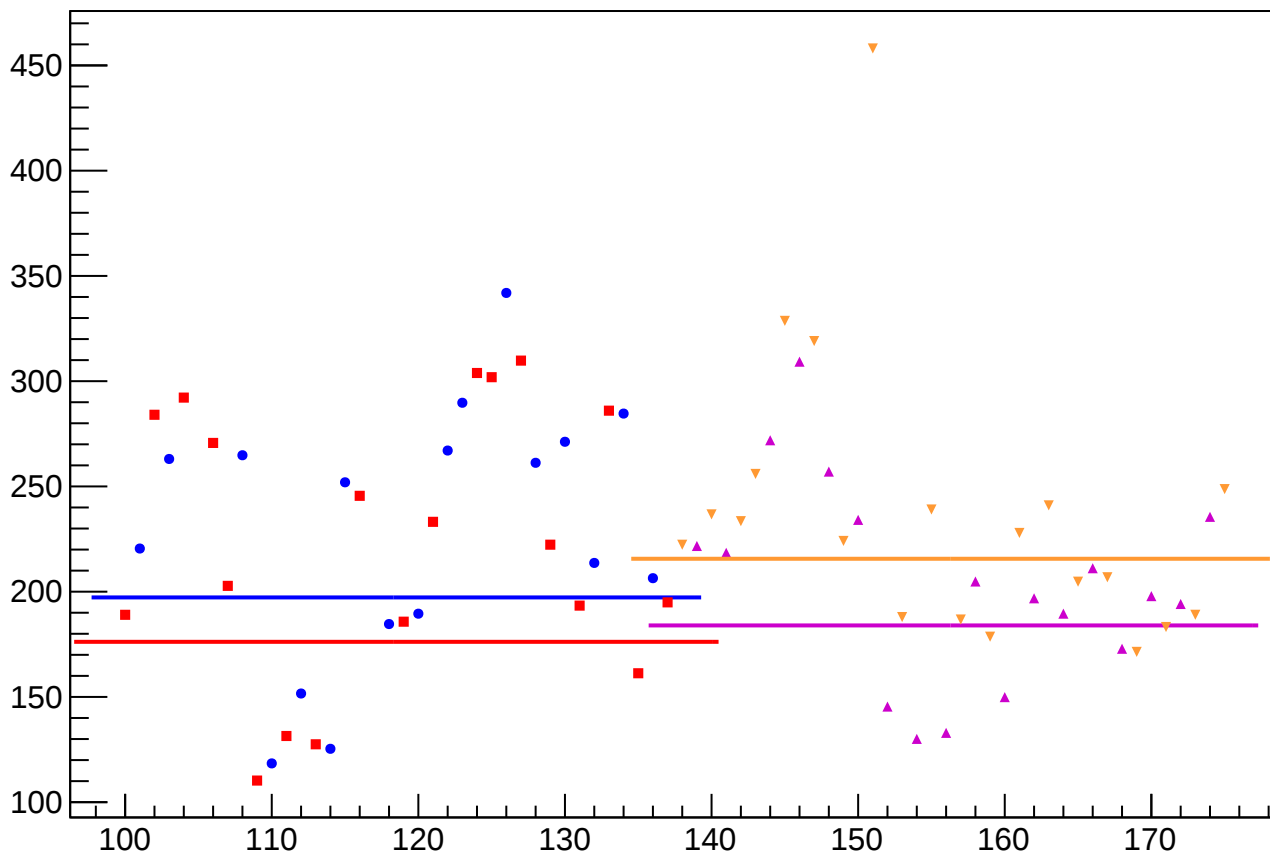
Left In: -44.879+/-51.911 χ^2/NDF : 6.4/17

+ sign 31.746+/-46.791 χ^2/NDF : 12.3/36

All: -1.520+/-31.259 χ^2/NDF : 26.1/73

- sign -28.333+/-42.009 χ^2/NDF : 12.8/36

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: 215.637 $\pm$ 0.041 χ^2 /NDF:1207864.8/19

Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

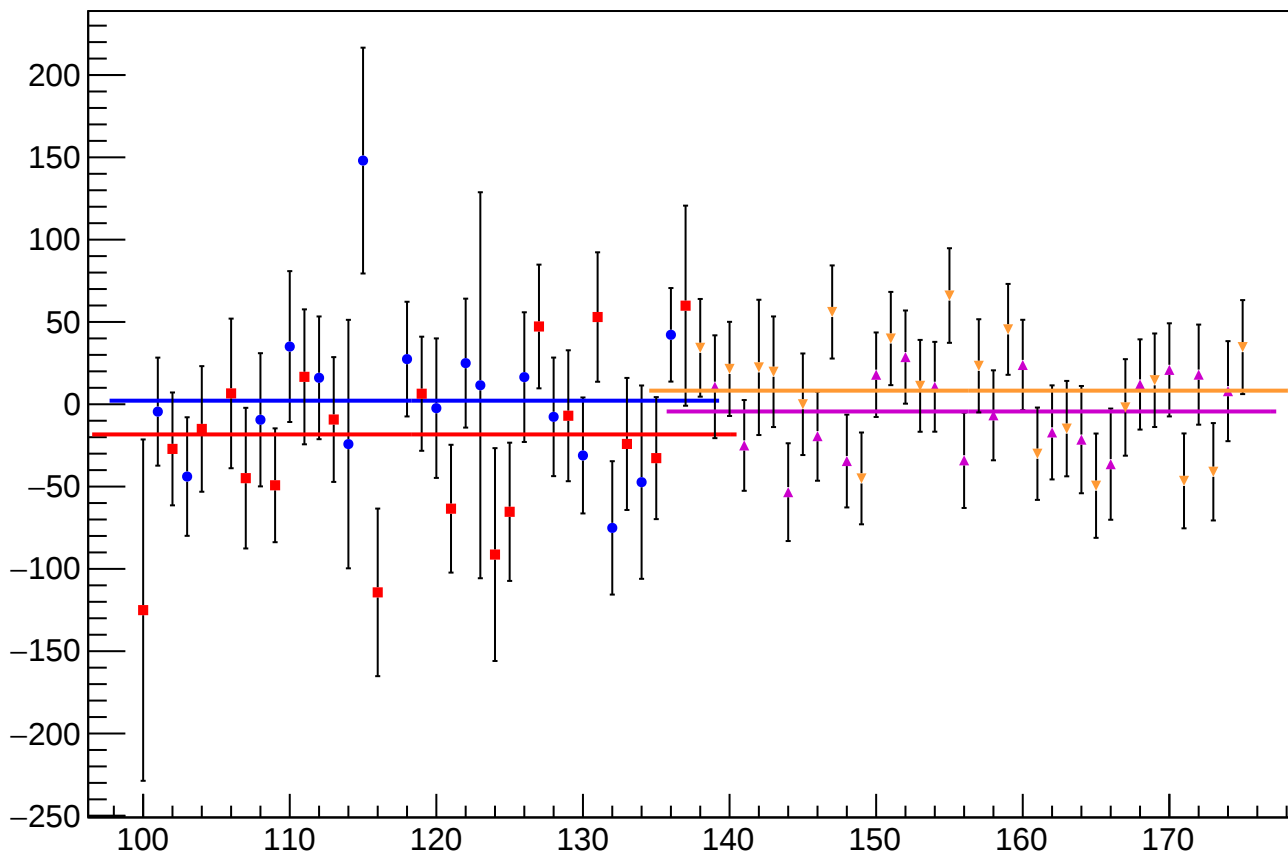
Left In: 183.968 $\pm$ 0.037 χ^2 /NDF:1494982.5/17

+ sign 209.418 $\pm$ 0.033 χ^2 /NDF: 2246420.3/36

All: 193.838 $\pm$ 0.022 χ^2 /NDF: 5677088.5/73

- sign 181.281 $\pm$ 0.030 χ^2 /NDF: 3030225.1/36

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: 8.275 ± 6.571 χ^2/NDF : 28.4/19

Right Out: -18.320 ± 9.497 χ^2/NDF : 19.6/18

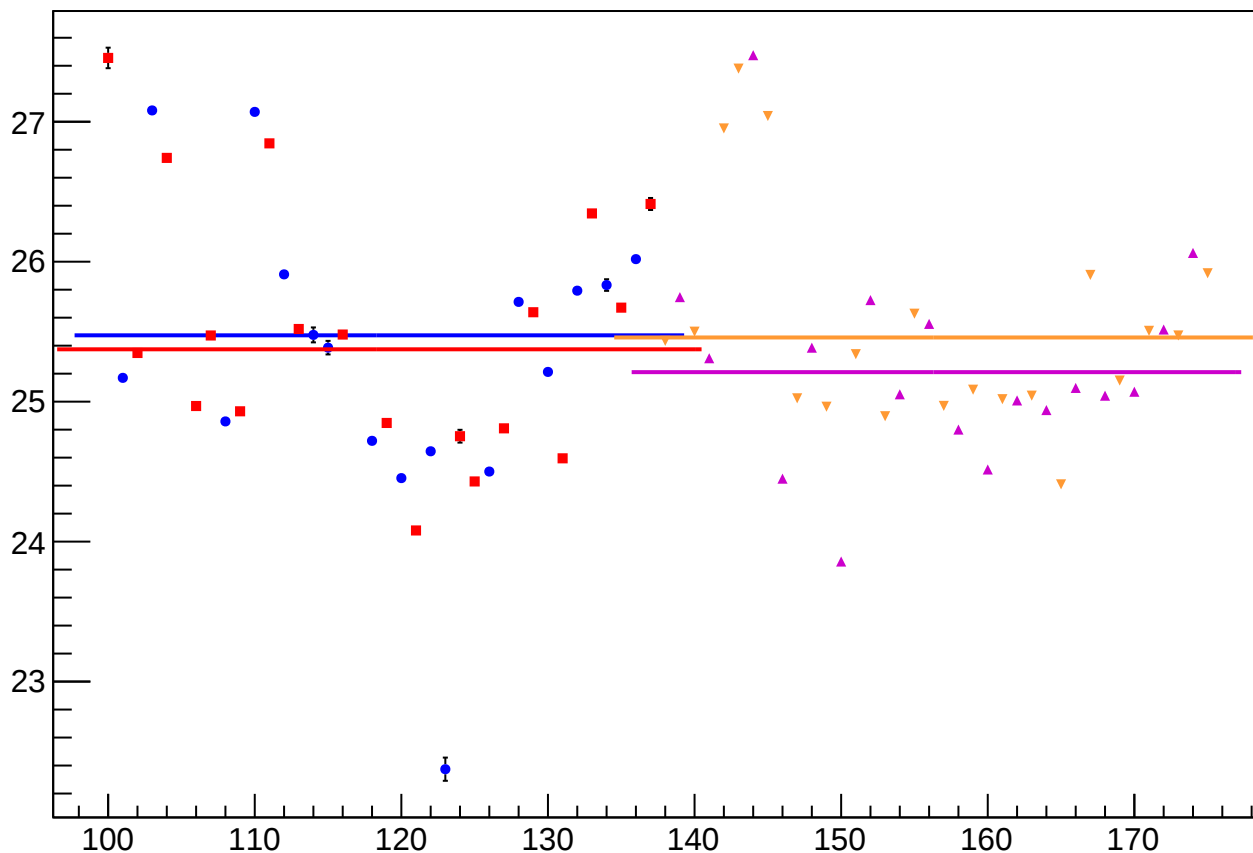
Left In: -4.377 ± 6.765 χ^2/NDF : 12.7/17

+ sign 6.391 ± 5.462 χ^2/NDF : 44.1/36

All: -1.272 ± 3.879 χ^2/NDF : 81.8/73

- sign -9.070 ± 5.510 χ^2/NDF : 33.8/36

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: 25.459 $\pm$ 0.005 χ^2 /NDF: 21752.6/19

Right Out: 25.374 $\pm$ 0.007 χ^2 /NDF: 13581.2/18

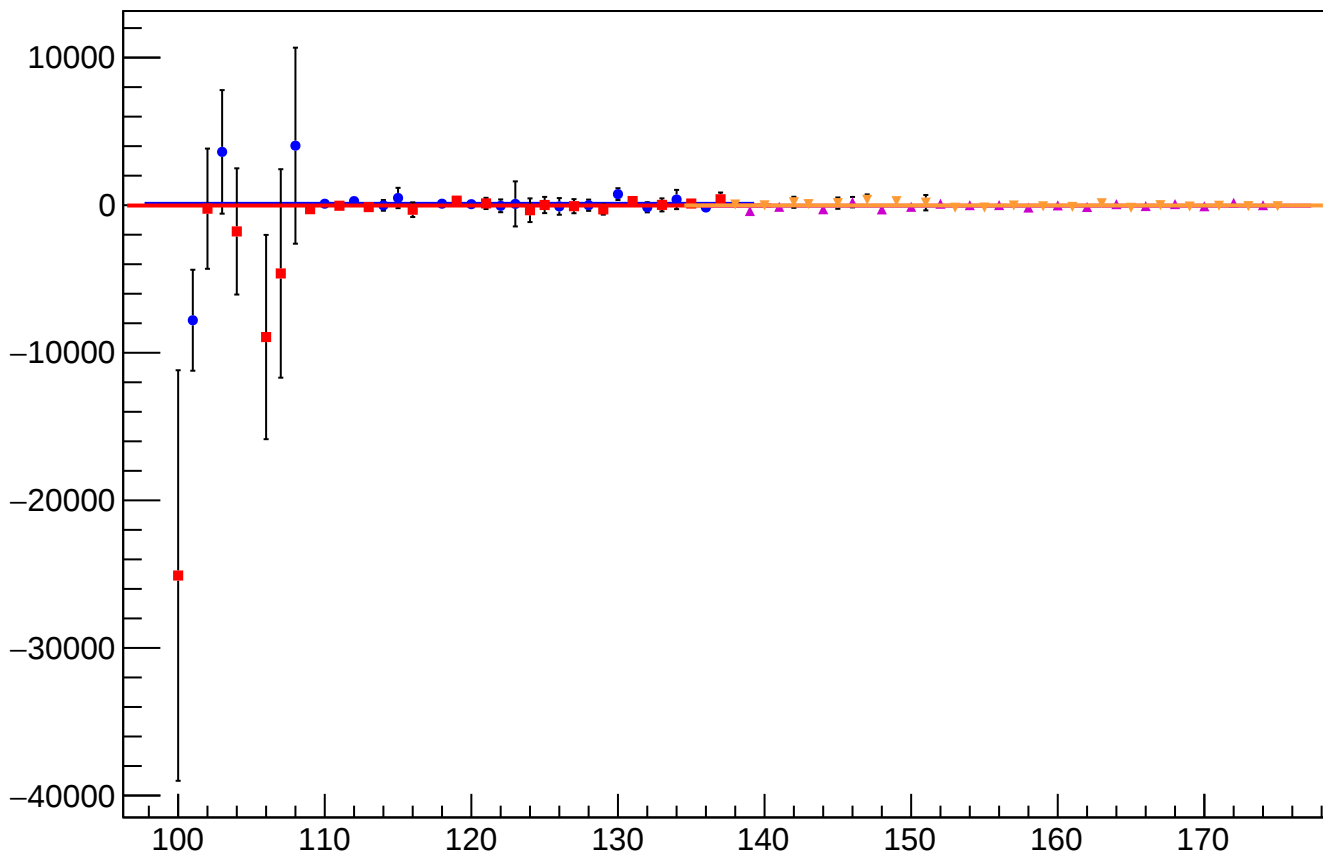
Left In: 25.211 $\pm$ 0.005 χ^2 /NDF: 24364.8/17

+ sign 25.463 $\pm$ 0.004 χ^2 /NDF: 35817.2/36

All: 25.365 $\pm$ 0.003 χ^2 /NDF: 75452.0/73

- sign 25.266 $\pm$ 0.004 χ^2 /NDF: 38337.7/36

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: -16.815+/-57.913 χ^2/NDF : 4.9/19

Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

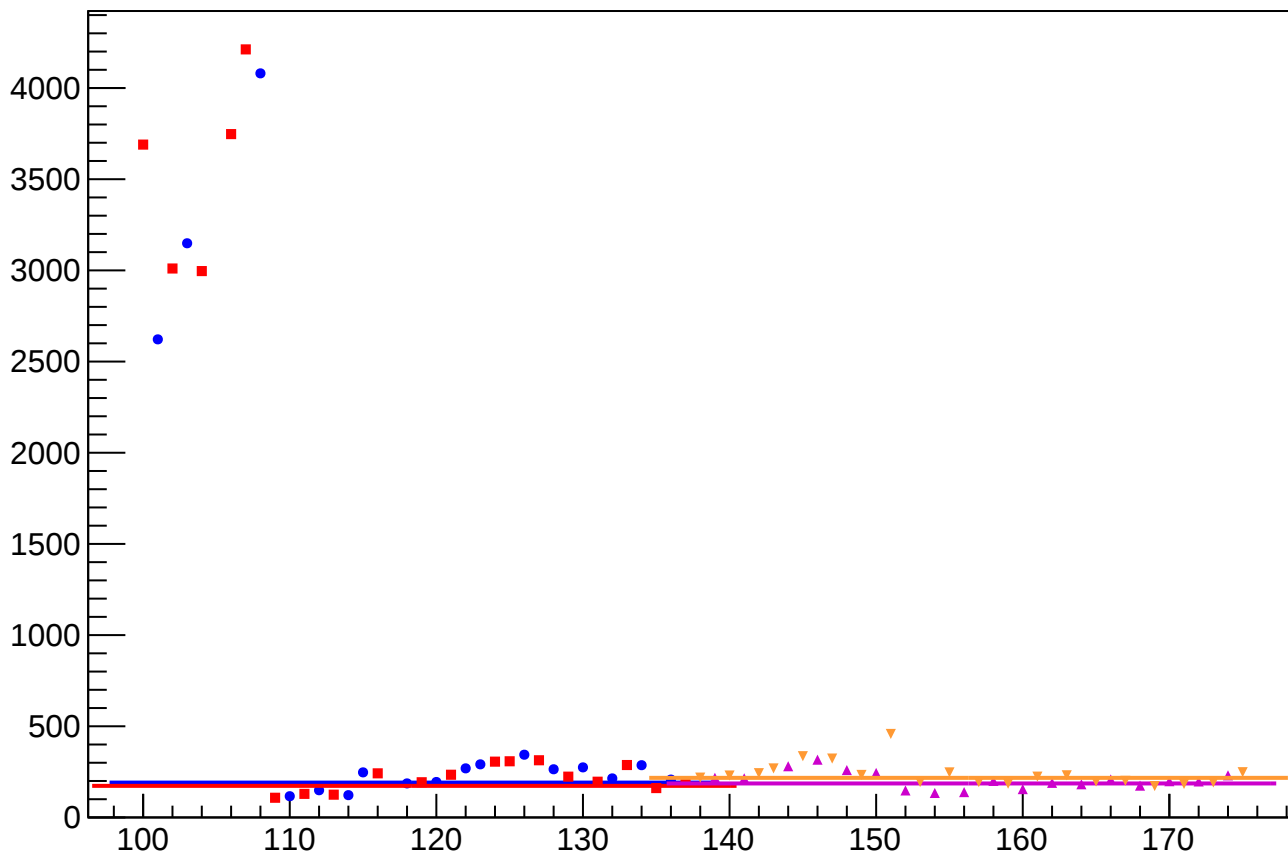
Left In: -35.887+/-52.456 χ^2/NDF : 6.1/17

+ sign 15.539+/-48.315 χ^2/NDF : 18.3/36

All: -10.418+/-32.537 χ^2/NDF : 36.8/73

- sign -31.959+/-44.014 χ^2/NDF : 18.0/36

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: 217.168 $\pm$ 0.041 χ^2 /NDF:1201897.8/19

Right Out: 173.269 $\pm$ 0.057 χ^2 /NDF: 4207191.5/18

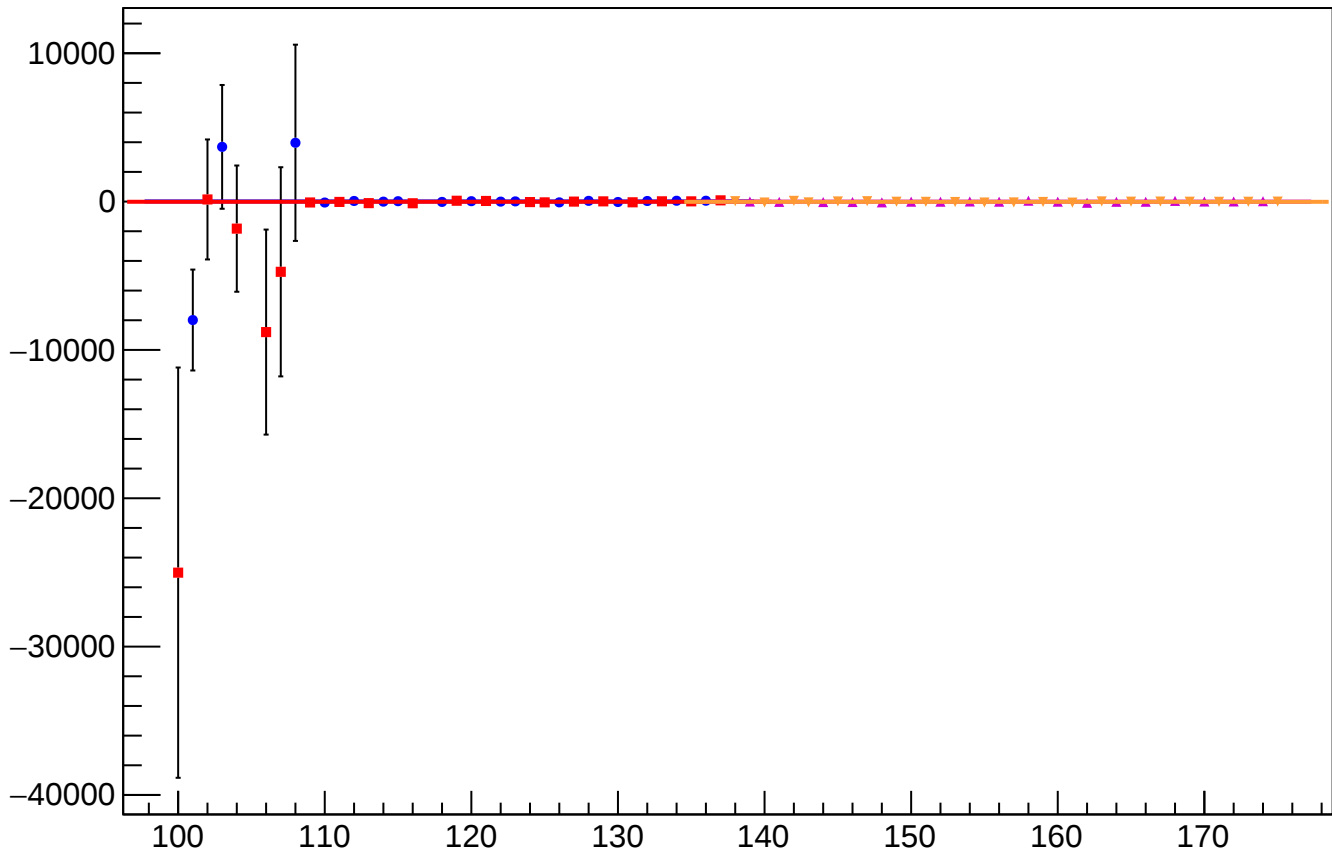
Left In: 186.423 $\pm$ 0.037 χ^2 /NDF:1372276.4/17

+ sign 209.271 $\pm$ 0.034 χ^2 /NDF: 4895980.4/36

All: 194.657 $\pm$ 0.023 χ^2 /NDF: 10847490.7/73

- sign 182.530 $\pm$ 0.031 χ^2 /NDF: 5616690.9/36

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: -16.408 ± 7.465 χ^2/NDF : 16.4/19

Right Out: -12.947 ± 12.227 χ^2/NDF : 24.4/18

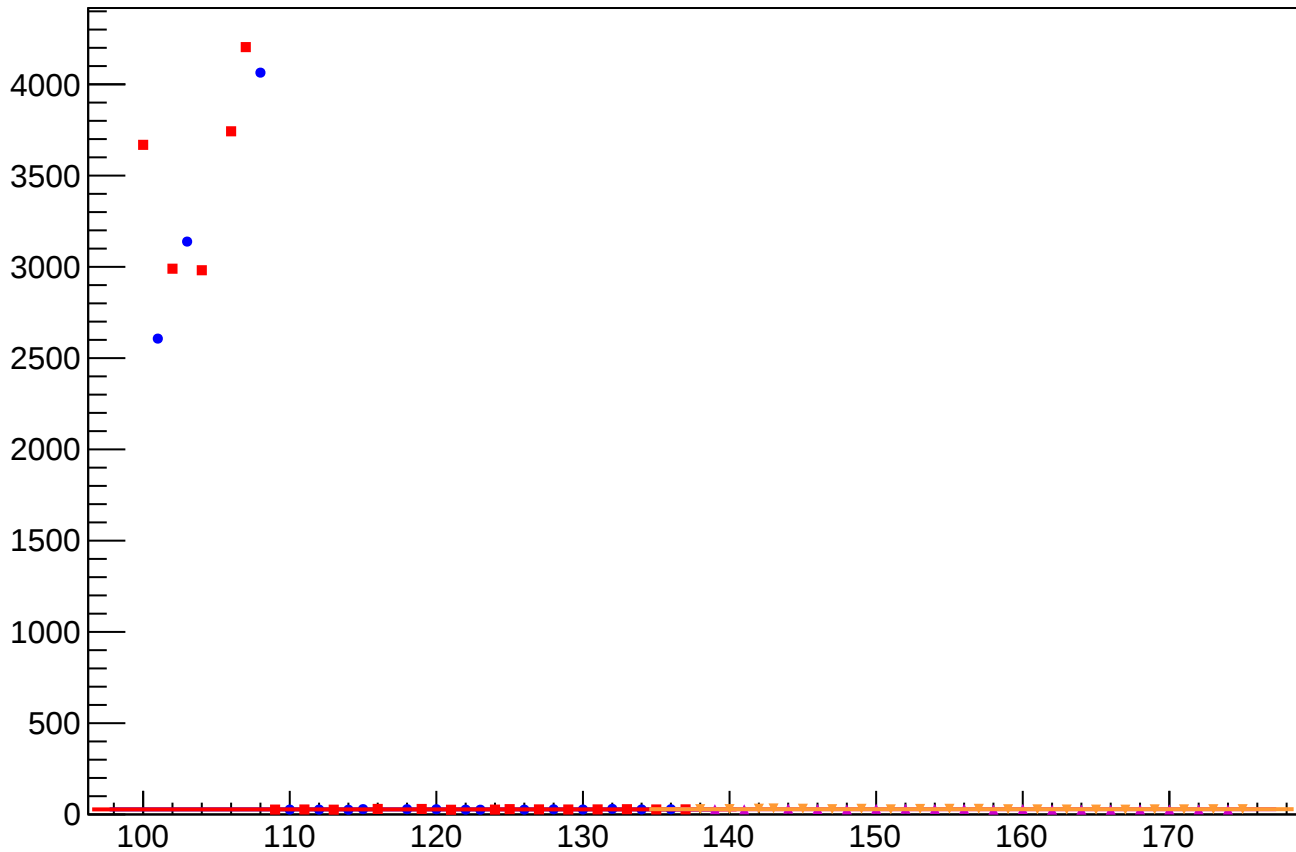
Left In: -4.781 ± 7.728 χ^2/NDF : 18.7/17

+ sign -9.097 ± 6.366 χ^2/NDF : 38.2/36

All: -8.130 ± 4.559 χ^2/NDF : 81.6/73

- sign -7.112 ± 6.532 χ^2/NDF : 43.4/36

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: 28.867 $\pm$ 0.005 χ^2 /NDF: 96589.8/19

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

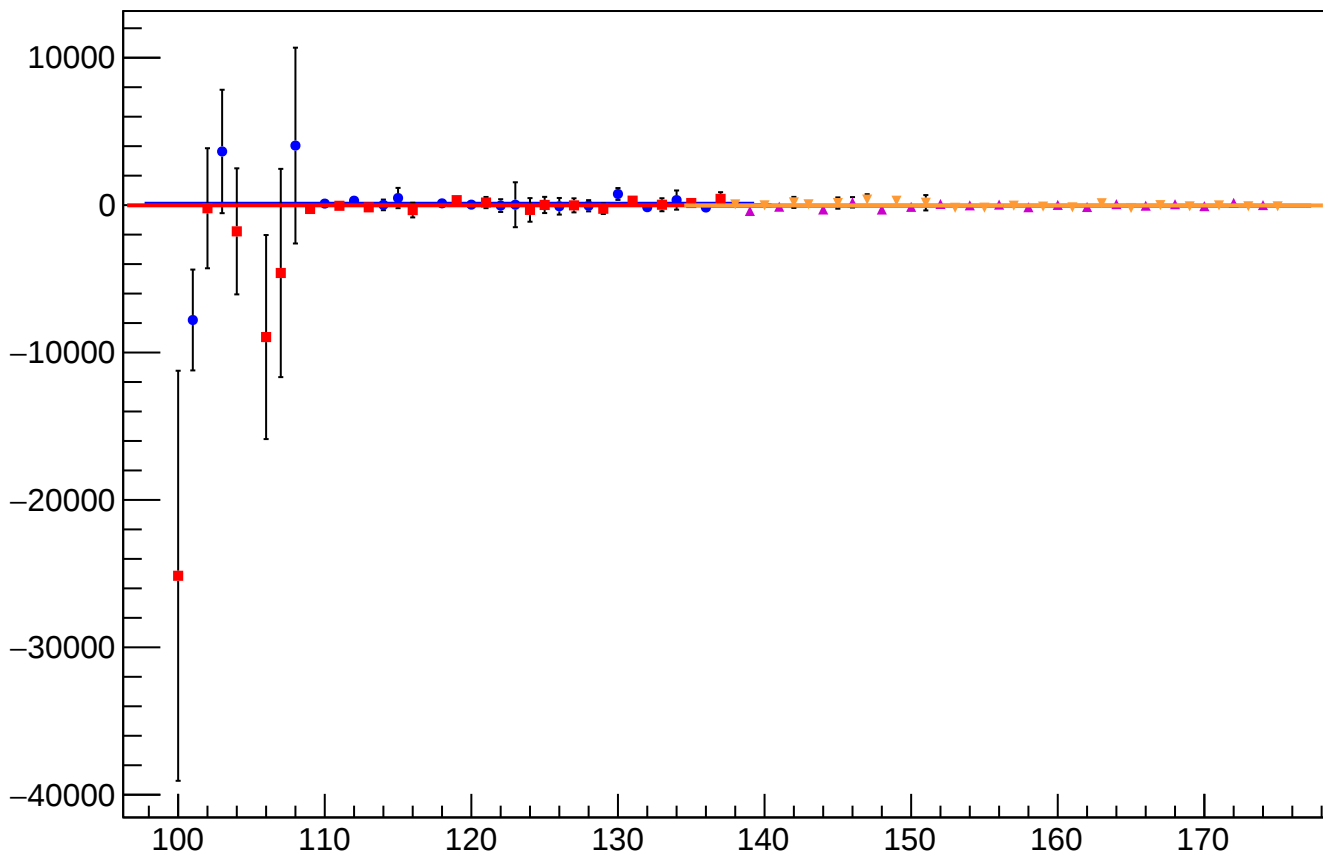
Left In: 28.728 $\pm$ 0.005 χ^2 /NDF: 114990.1/17

+ sign 28.586 $\pm$ 0.005 χ^2 /NDF: 3133868.3/36

All: 28.511 $\pm$ 0.003 χ^2 /NDF: 6736445.3/73

- sign 28.433 $\pm$ 0.005 χ^2 /NDF: 3602015.5/36

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: -21.191+/-57.788 χ^2/NDF : 5.6/19

Right Out: -12.772+/-80.640 χ^2/NDF : 12.7/18

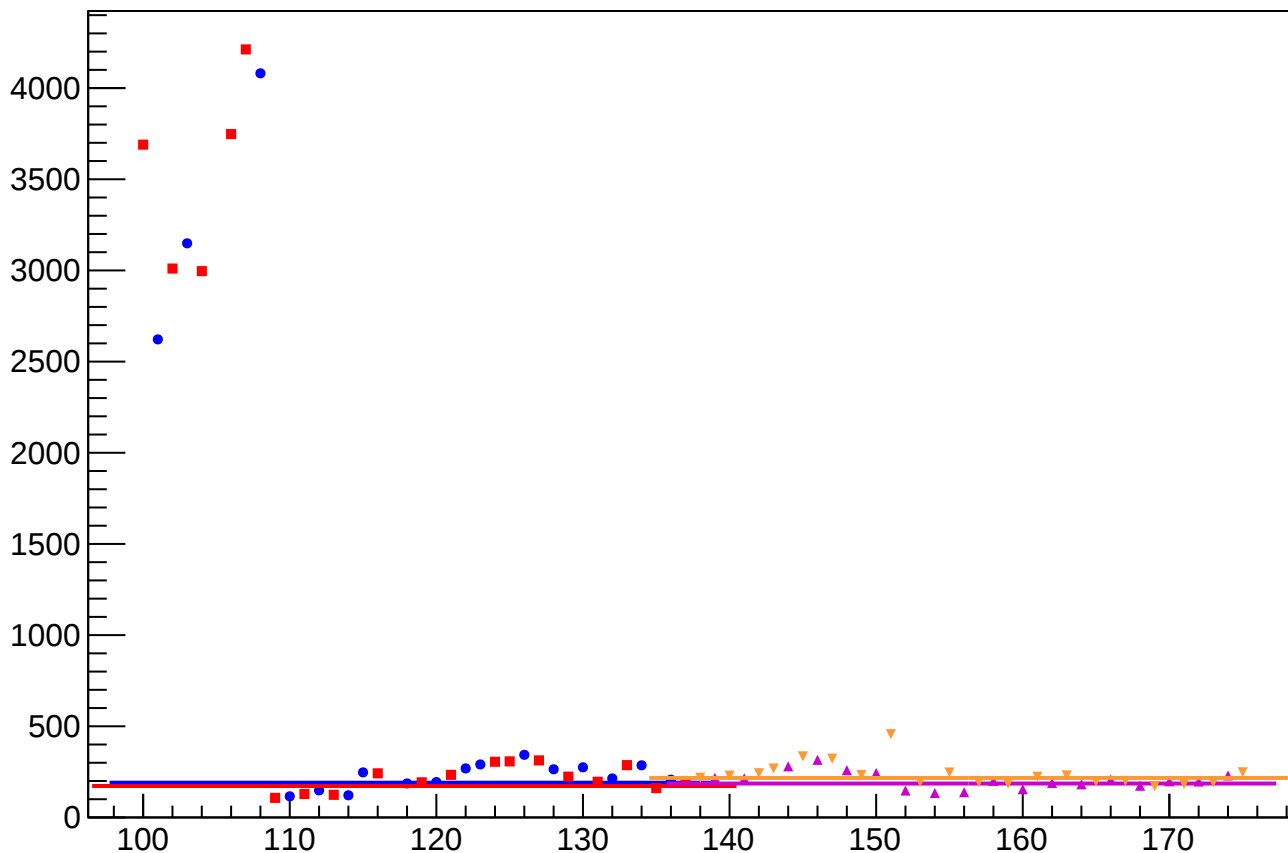
Left In: -34.536+/-52.354 χ^2/NDF : 6.1/17

+ sign 13.518+/-48.197 χ^2/NDF : 19.4/36

All: -9.214+/-32.460 χ^2/NDF : 38.6/73

- sign -28.083+/-43.911 χ^2/NDF : 18.8/36

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: 216.703+/-0.041 χ^2/NDF :1201502.3/19

+ sign 208.723+/-0.034 χ^2/NDF : 4910379.2/36

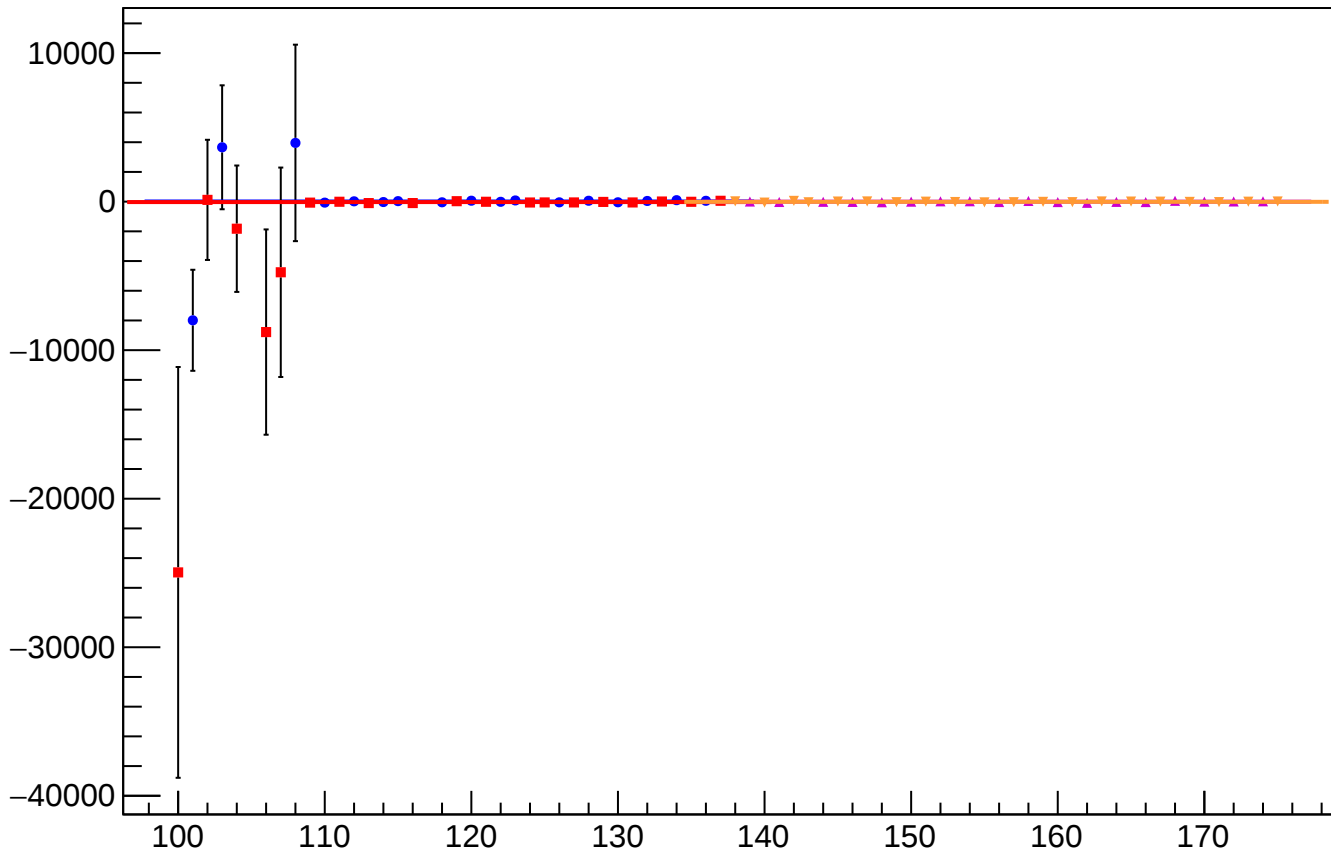
Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

All: 194.159+/-0.023 χ^2/NDF : 10874143.3/73

Left In: 186.062+/-0.037 χ^2/NDF :1372006.3/17

- sign 182.071+/-0.031 χ^2/NDF : 5629595.3/36

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: -12.849 $\pm$ 7.513 χ^2 /NDF: 11.5/19

Right Out: -29.627 $\pm$ 12.328 χ^2 /NDF: 16.5/18

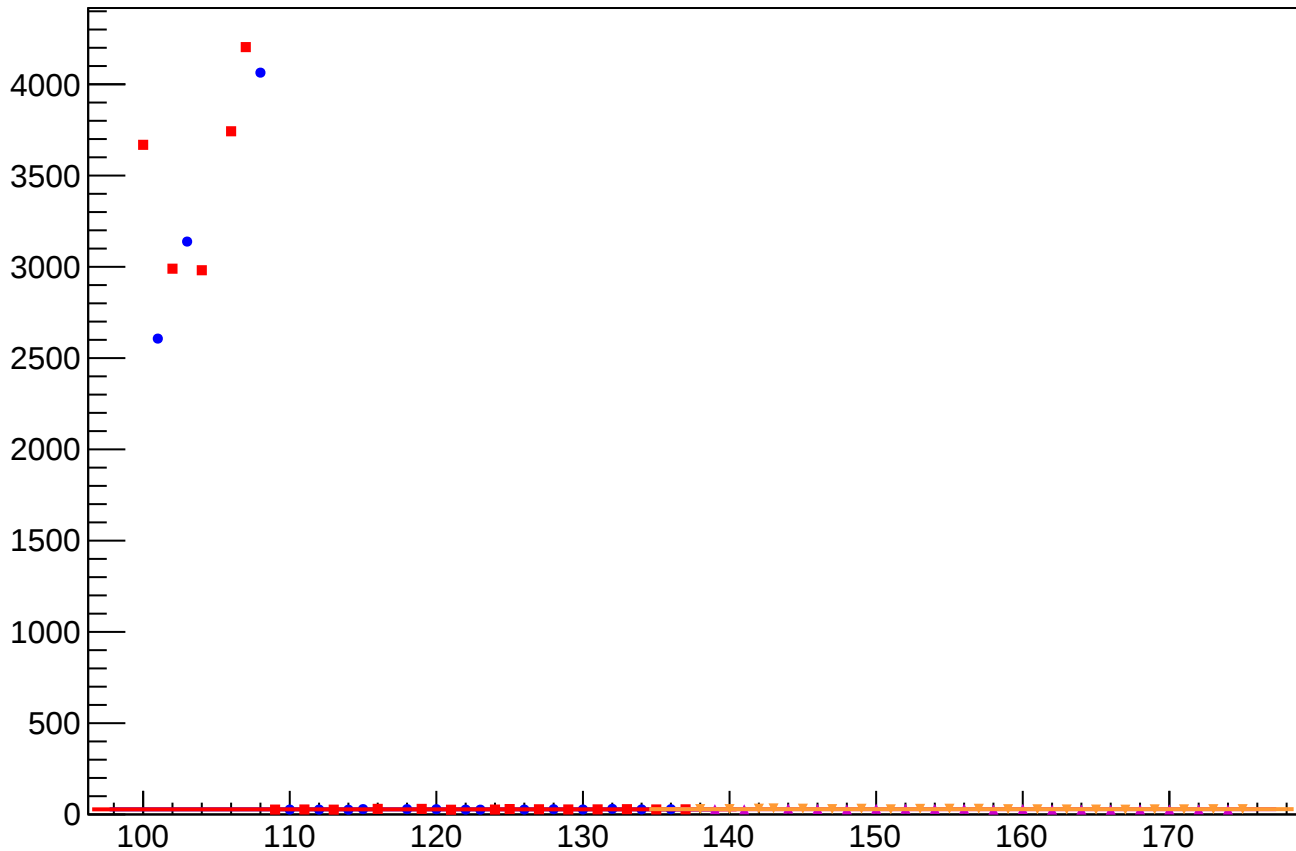
Left In: -3.916 $\pm$ 7.769 χ^2 /NDF: 18.5/17

+ sign -6.729 $\pm$ 6.408 χ^2 /NDF: 37.2/36

All: -8.920 $\pm$ 4.588 χ^2 /NDF: 75.5/73

- sign -11.225 $\pm$ 6.573 χ^2 /NDF: 38.1/36

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: 29.051+/-0.005 χ^2/NDF : 102477.6/19

Right Out: 27.917+/-0.009 χ^2/NDF : 3479610.6/18

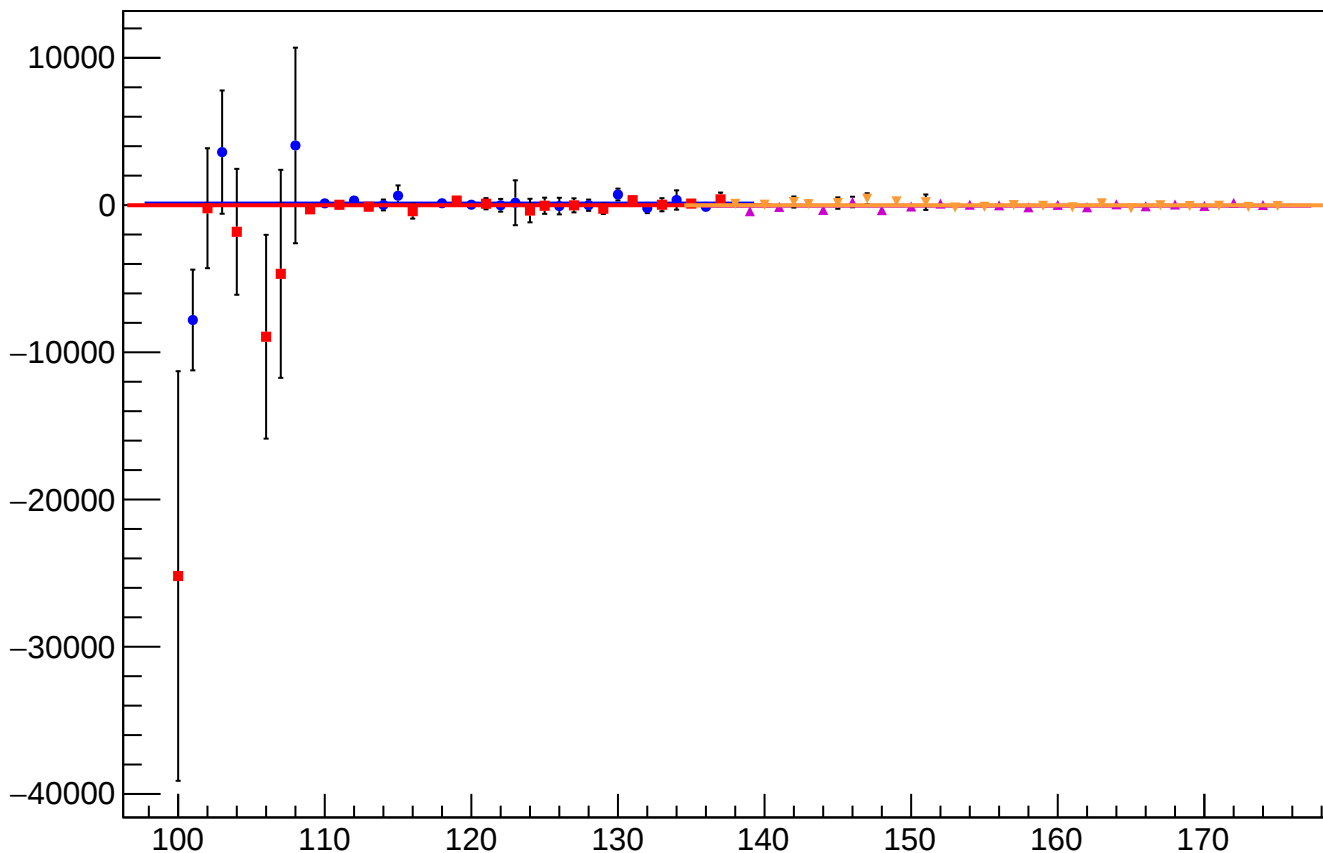
Left In: 28.885+/-0.005 χ^2/NDF : 117472.6/17

+ sign 28.771+/-0.005 χ^2/NDF : 3139696.6/36

All: 28.692+/-0.003 χ^2/NDF : 6746218.2/73

- sign 28.610+/-0.005 χ^2/NDF : 3605903.7/36

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: -13.830 $\pm$ 58.473 χ^2 /NDF: 5.5/19

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

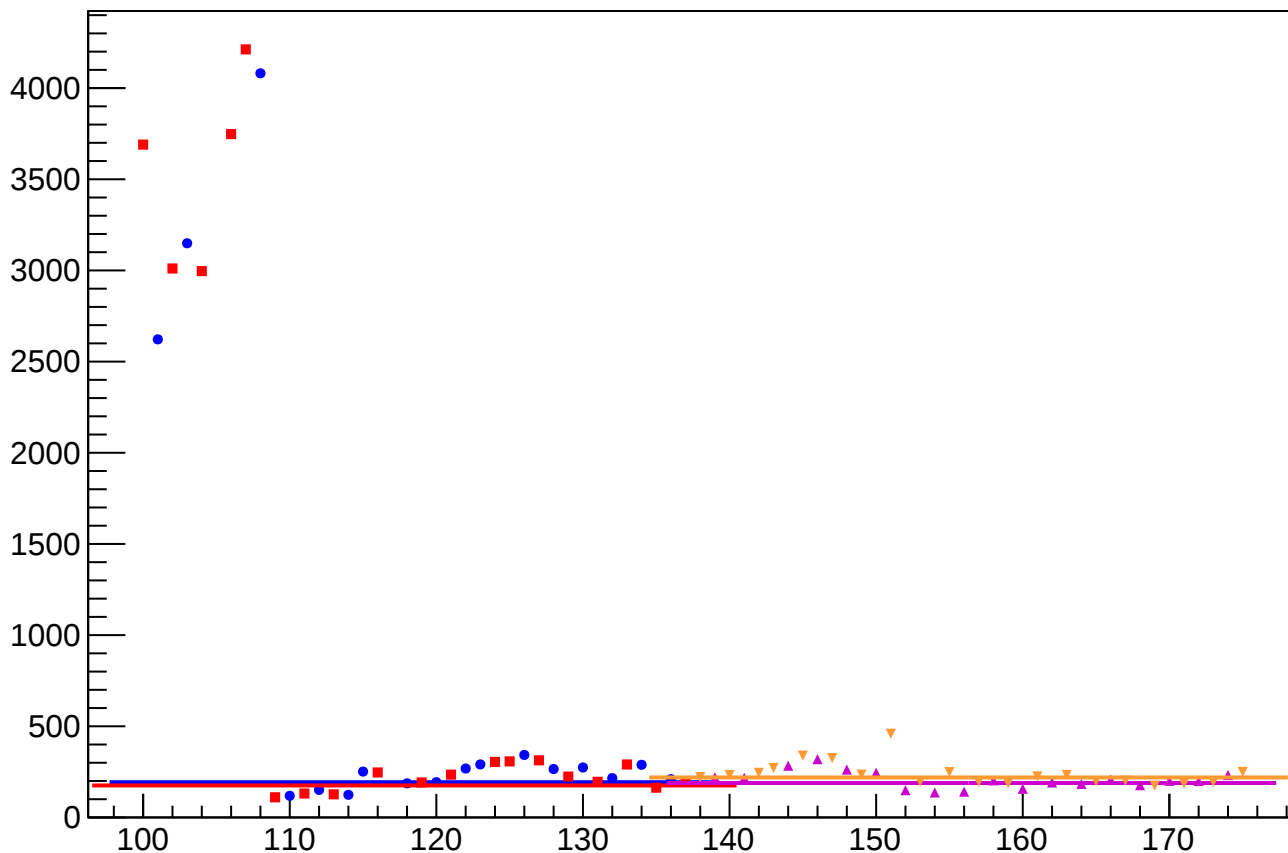
Left In: -41.916 $\pm$ 53.079 χ^2 /NDF: 6.7/17

+ sign 21.360 $\pm$ 48.768 χ^2 /NDF: 19.1/36

All: -8.191 $\pm$ 32.878 χ^2 /NDF: 38.8/73

- sign -32.812 $\pm$ 44.515 χ^2 /NDF: 19.0/36

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.190 $\pm$ 0.063 χ^2 /NDF: 3536123.5/16

Left Out: 219.388 $\pm$ 0.041 χ^2 /NDF: 1186350.0/19

Right Out: 175.485 $\pm$ 0.058 χ^2 /NDF: 4165391.7/18

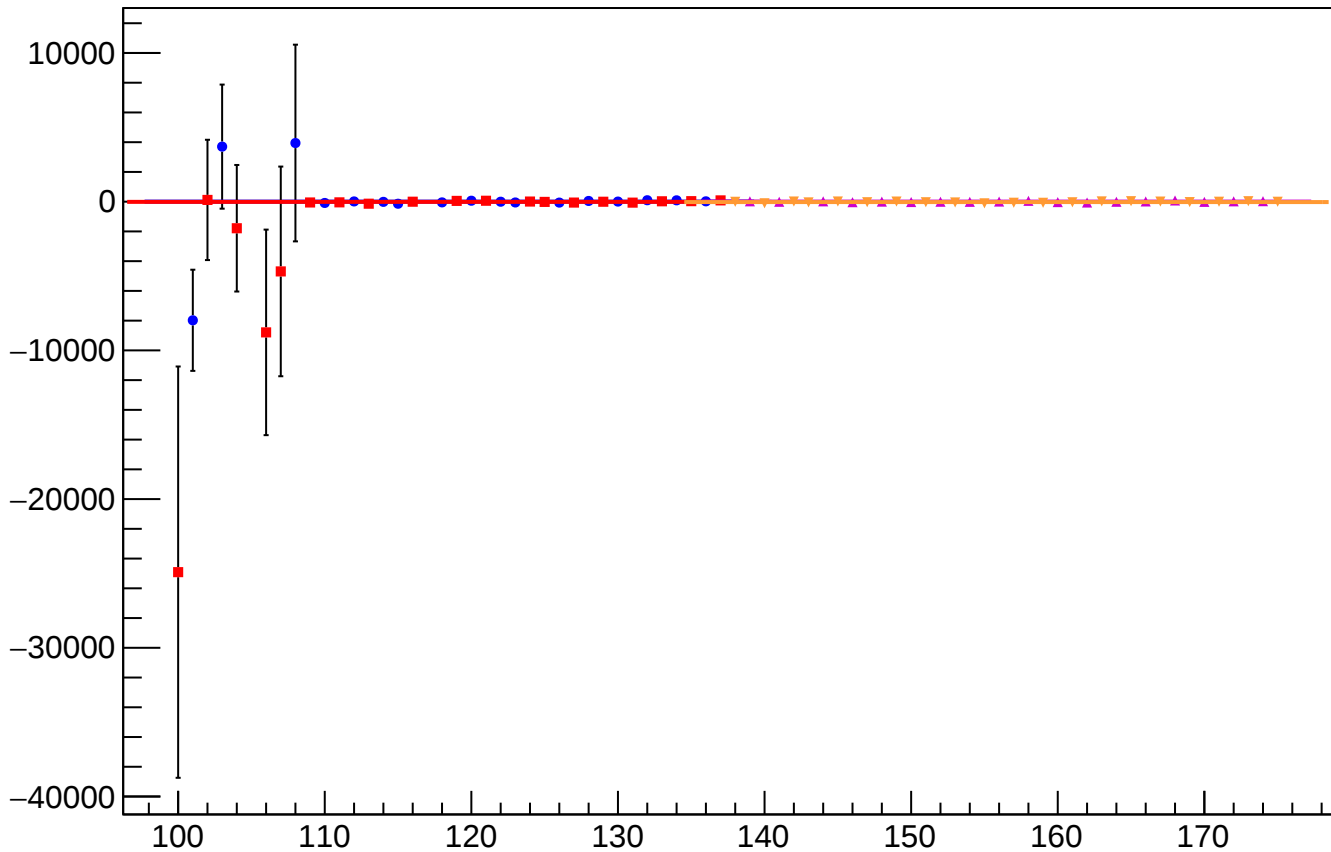
Left In: 188.816 $\pm$ 0.038 χ^2 /NDF: 1339812.6/17

+ sign 211.413 $\pm$ 0.034 χ^2 /NDF: 4844678.9/36

All: 196.929 $\pm$ 0.023 χ^2 /NDF: 10710704.4/73

- sign 184.861 $\pm$ 0.031 χ^2 /NDF: 5542628.7/36

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.651 $\pm$ 14.935 χ^2 /NDF: 20.4/16

Left Out: -26.267 $\pm$ 8.977 χ^2 /NDF:21.3/19

Right Out: -12.487 $\pm$ 14.947 χ^2 /NDF: 21.7/18

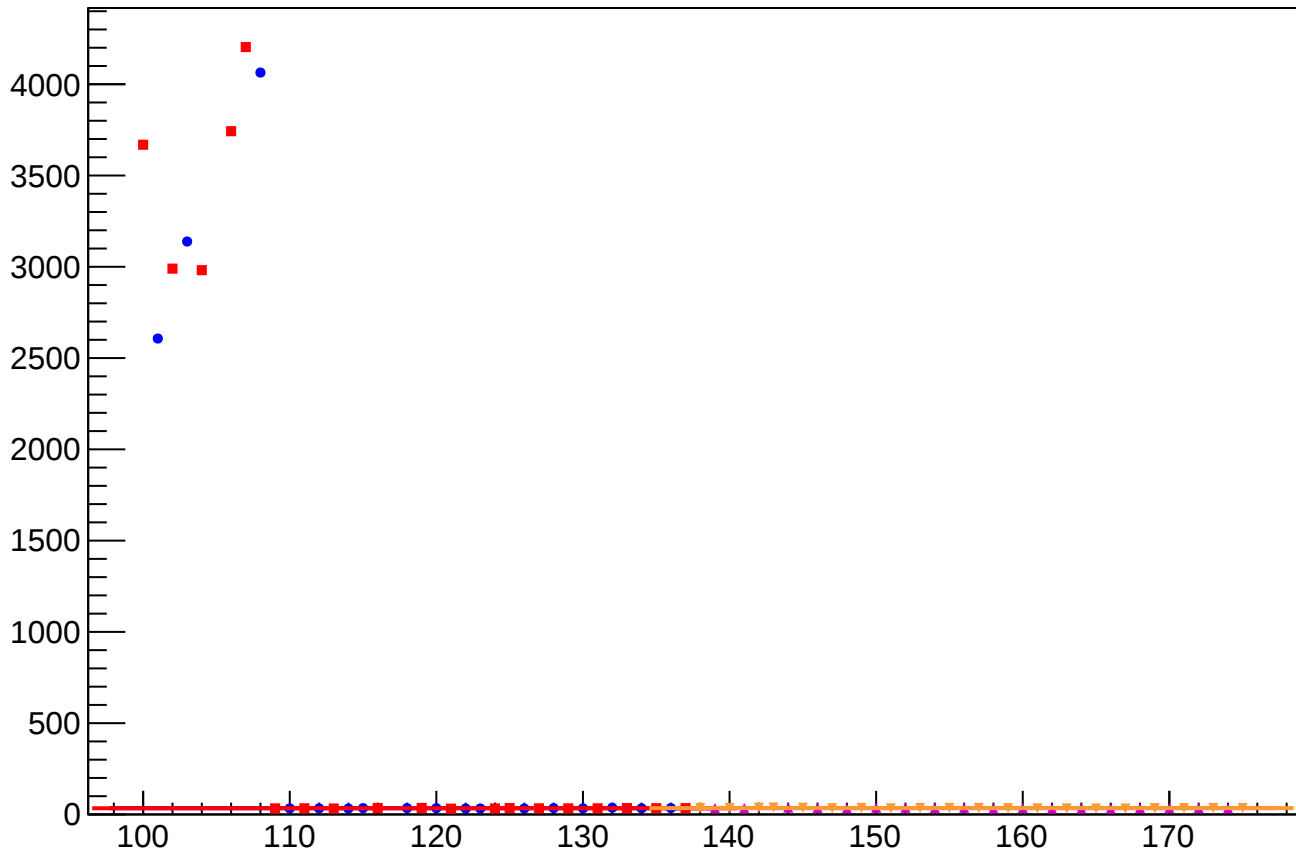
Left In: 5.526 $\pm$ 9.302 χ^2 /NDF:12.8/17

+ sign -18.061 $\pm$ 7.694 χ^2 /NDF: 44.9/36

All: -9.024 $\pm$ 5.511 χ^2 /NDF: 83.2/73

- sign 0.497 $\pm$ 7.897 χ^2 /NDF: 35.5/36

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: 34.766 $\pm$ 0.006 χ^2 /NDF: 47649.7/19

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

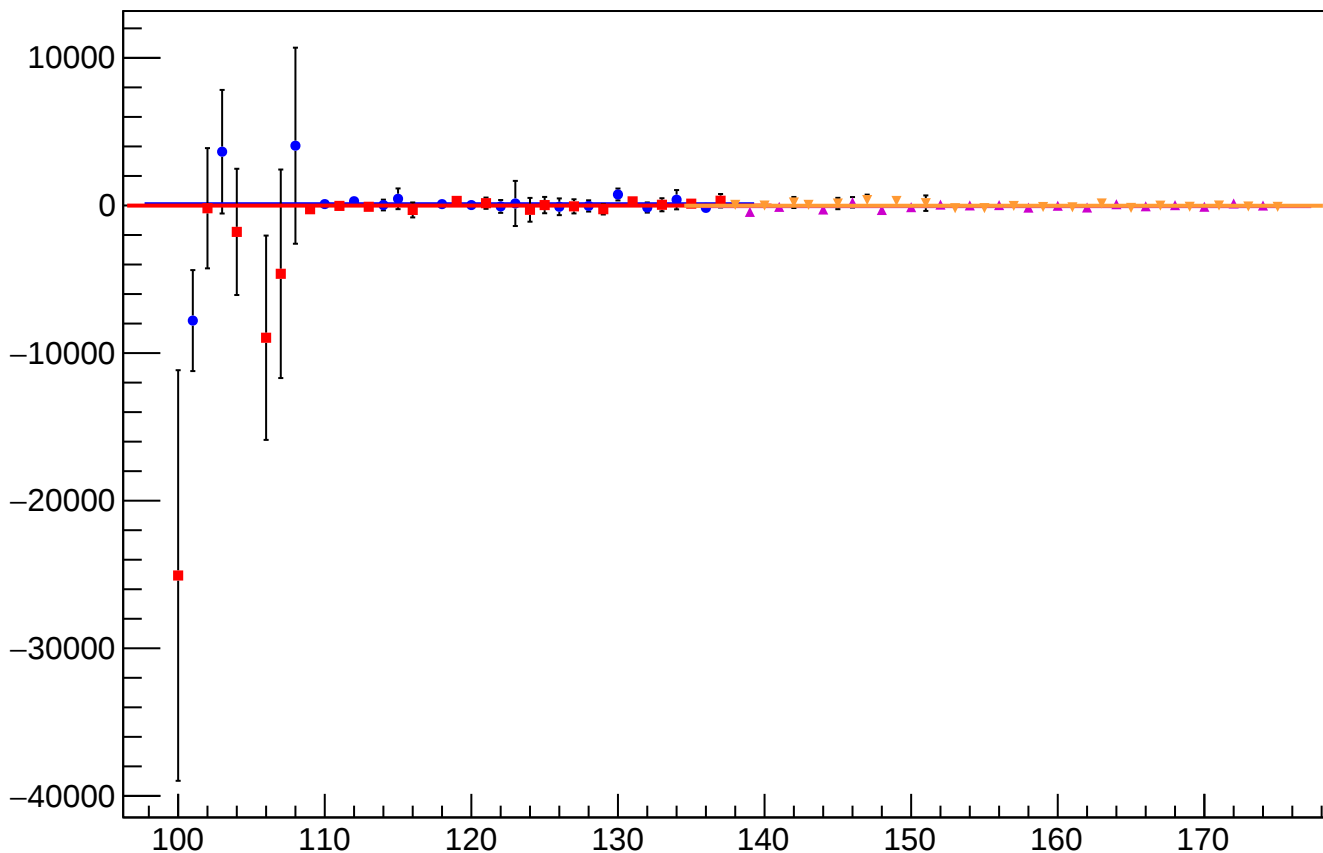
Left In: 34.647 $\pm$ 0.007 χ^2 /NDF: 52751.0/17

+ sign 34.599 $\pm$ 0.005 χ^2 /NDF: 3056501.4/36

All: 34.523 $\pm$ 0.004 χ^2 /NDF: 6565028.2/73

- sign 34.442 $\pm$ 0.006 χ^2 /NDF: 3508120.2/36

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.041 $\pm$ 87.947 χ^2 /NDF: 12.4/16

Left Out: -17.501 $\pm$ 58.364 χ^2 /NDF: 5.4/19

Right Out: -7.296 $\pm$ 81.208 χ^2 /NDF: 11.1/18

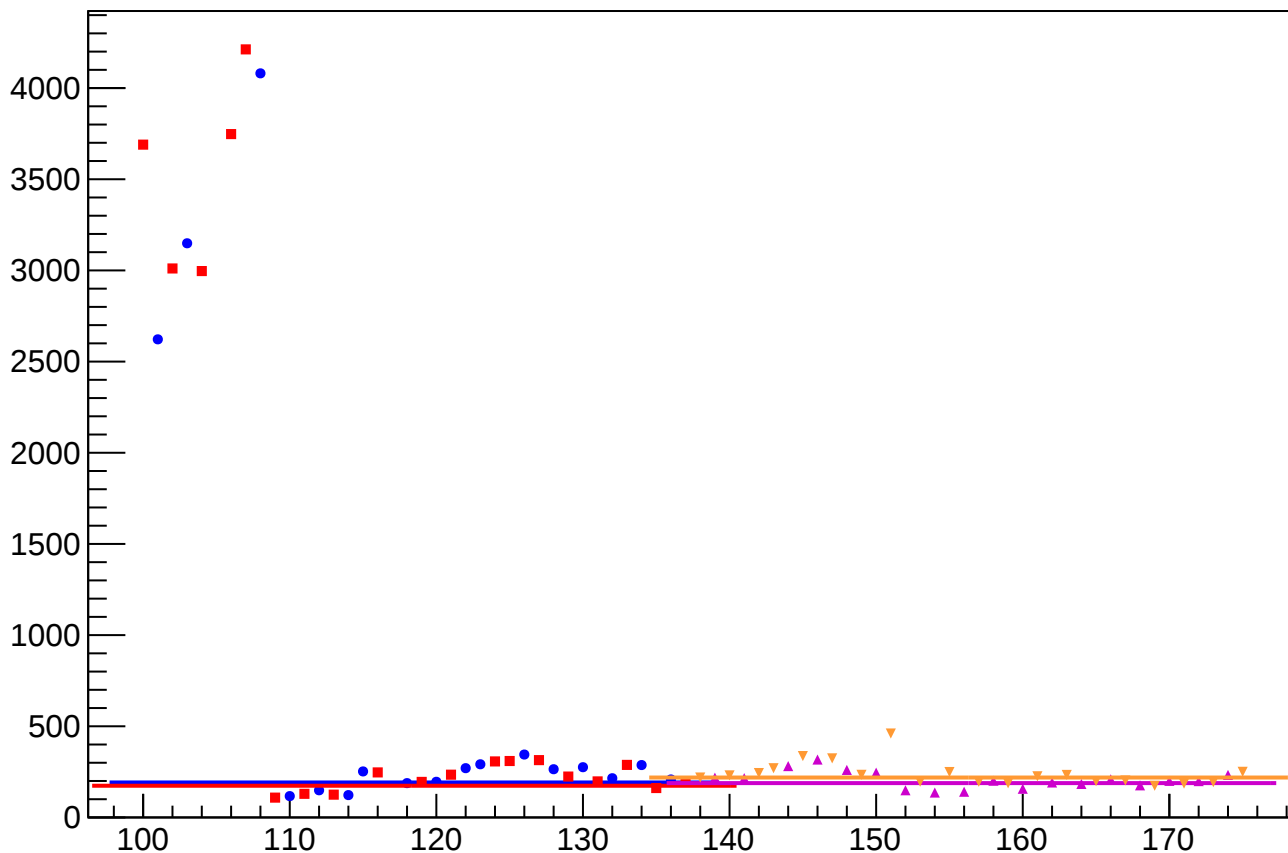
Left In: -43.299 $\pm$ 52.953 χ^2 /NDF: 6.0/17

+ sign 14.157 $\pm$ 48.630 χ^2 /NDF: 18.8/36

All: -11.343 $\pm$ 32.772 χ^2 /NDF: 36.5/73

- sign -32.558 $\pm$ 44.356 χ^2 /NDF: 17.3/36

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: 218.979 $\pm$ 0.041 χ^2 /NDF: 1179410.7/19

Right Out: 173.928 $\pm$ 0.057 χ^2 /NDF: 4211385.1/18

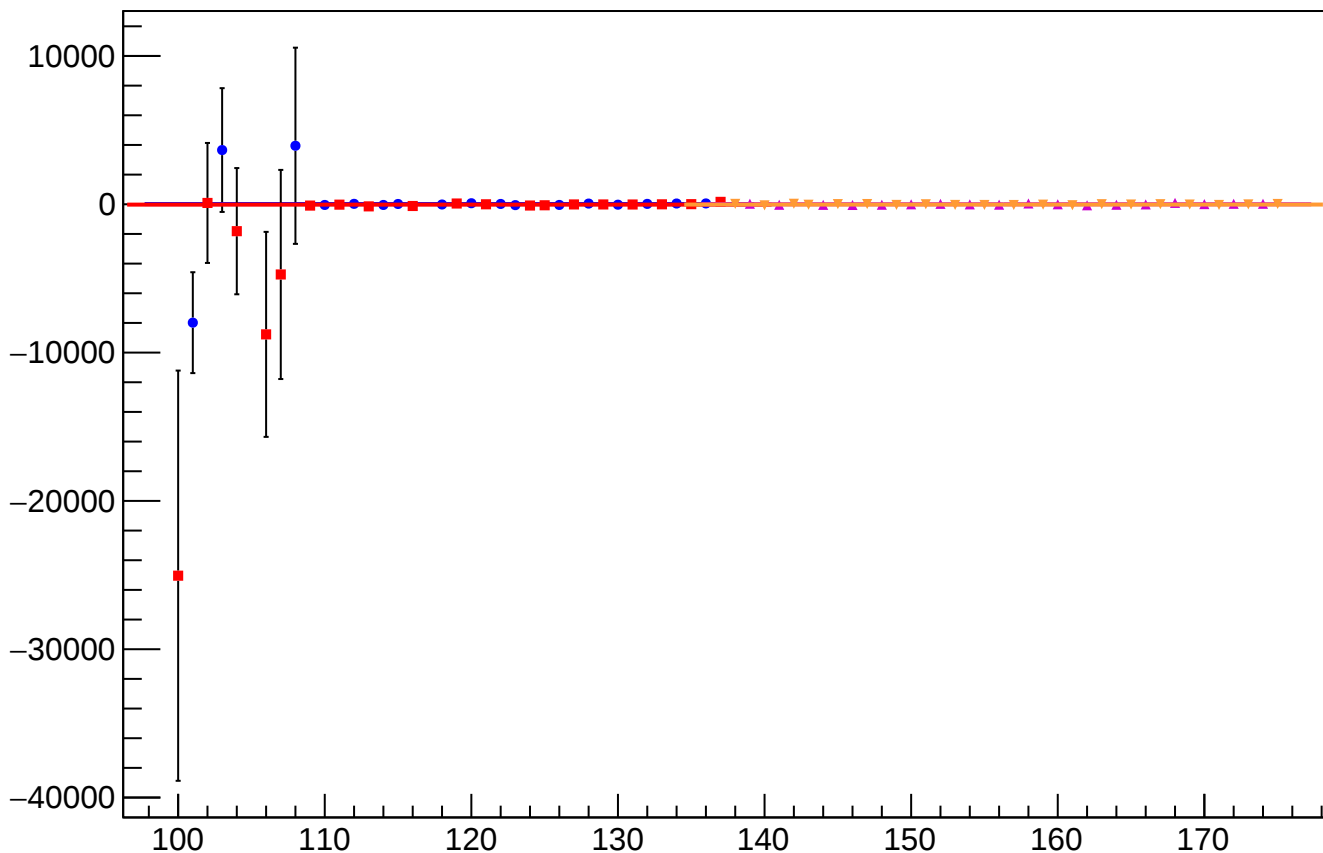
Left In: 188.362 $\pm$ 0.037 χ^2 /NDF: 1330347.0/17

+ sign 210.693 $\pm$ 0.034 χ^2 /NDF: 4884295.4/36

All: 196.153 $\pm$ 0.023 χ^2 /NDF: 10797930.8/73

- sign 184.056 $\pm$ 0.031 χ^2 /NDF: 5586067.3/36

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: -18.800+/-8.125 χ^2/NDF : 13.5/19

Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

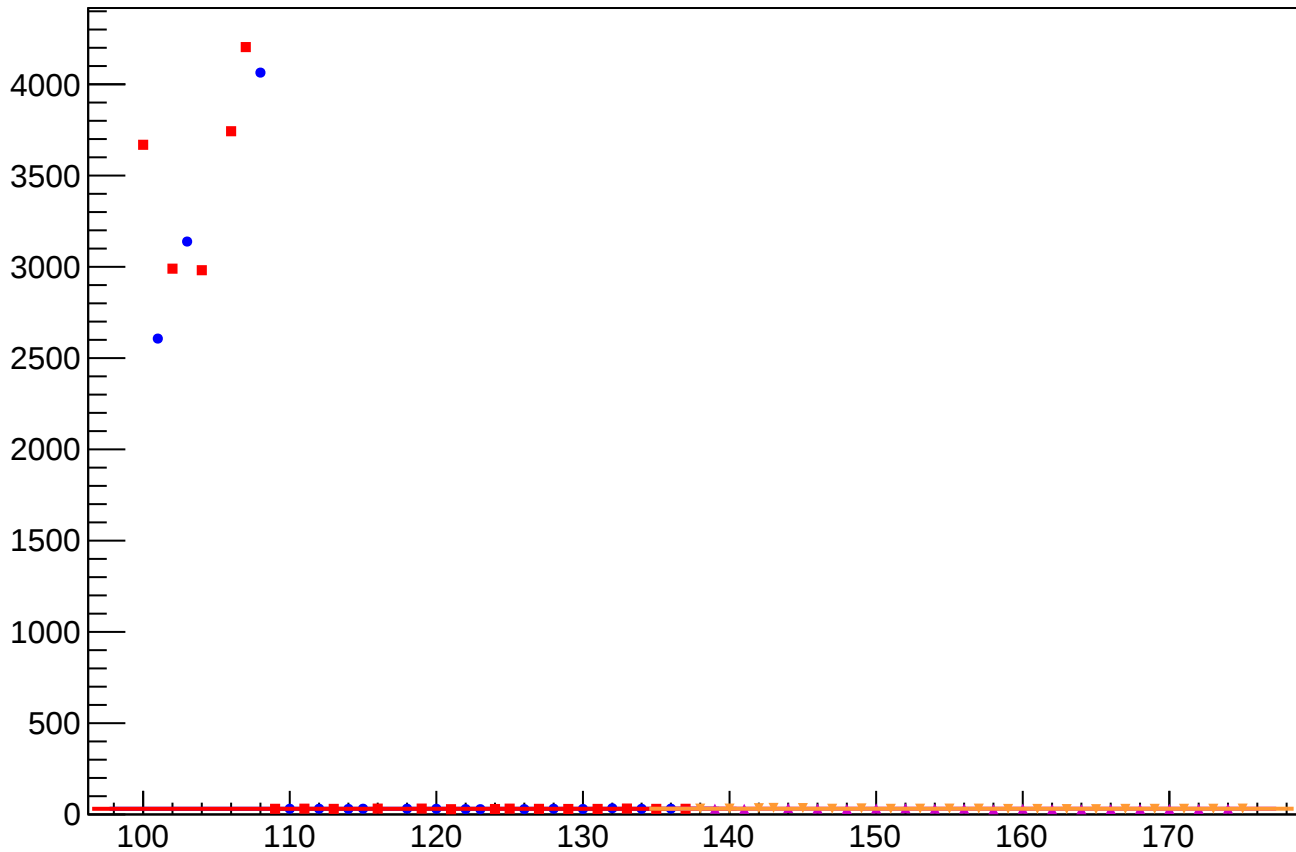
Left In: 1.160+/-8.424 χ^2/NDF : 23.7/17

+ sign -10.157+/-6.978 χ^2/NDF : 33.0/36

All: -7.941+/-5.000 χ^2/NDF : 86.8/73

- sign -5.602+/-7.169 χ^2/NDF : 53.5/36

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.127+/-0.010 χ^2/NDF : 3014425.9/16

Left Out: 31.440+/-0.006 χ^2/NDF : 73792.4/19

Right Out: 30.963+/-0.010 χ^2/NDF : 3458945.1/18

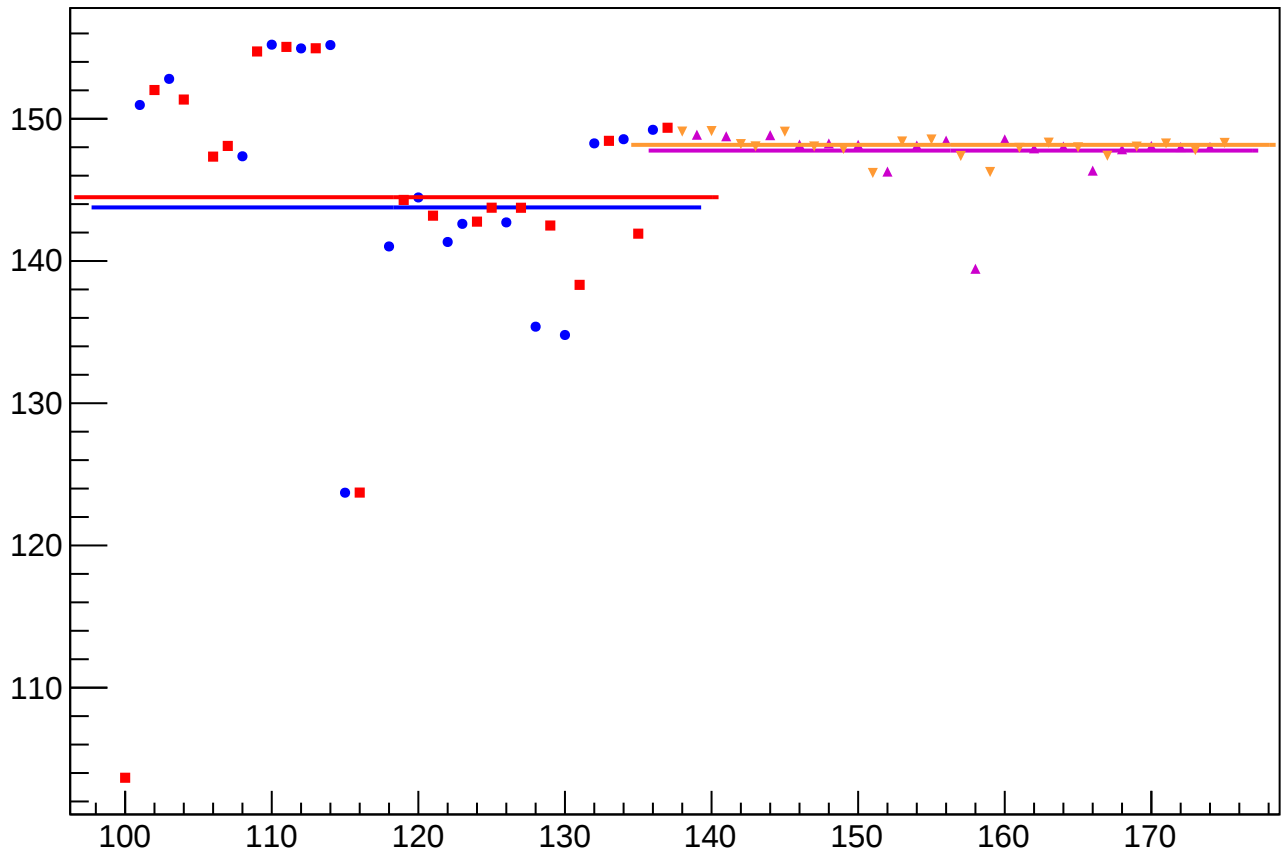
Left In: 31.334+/-0.006 χ^2/NDF : 82233.8/17

+ sign 31.358+/-0.005 χ^2/NDF : 3088998.1/36

All: 31.297+/-0.004 χ^2/NDF : 6631562.8/73

- sign 31.232+/-0.005 χ^2/NDF : 3542249.5/36

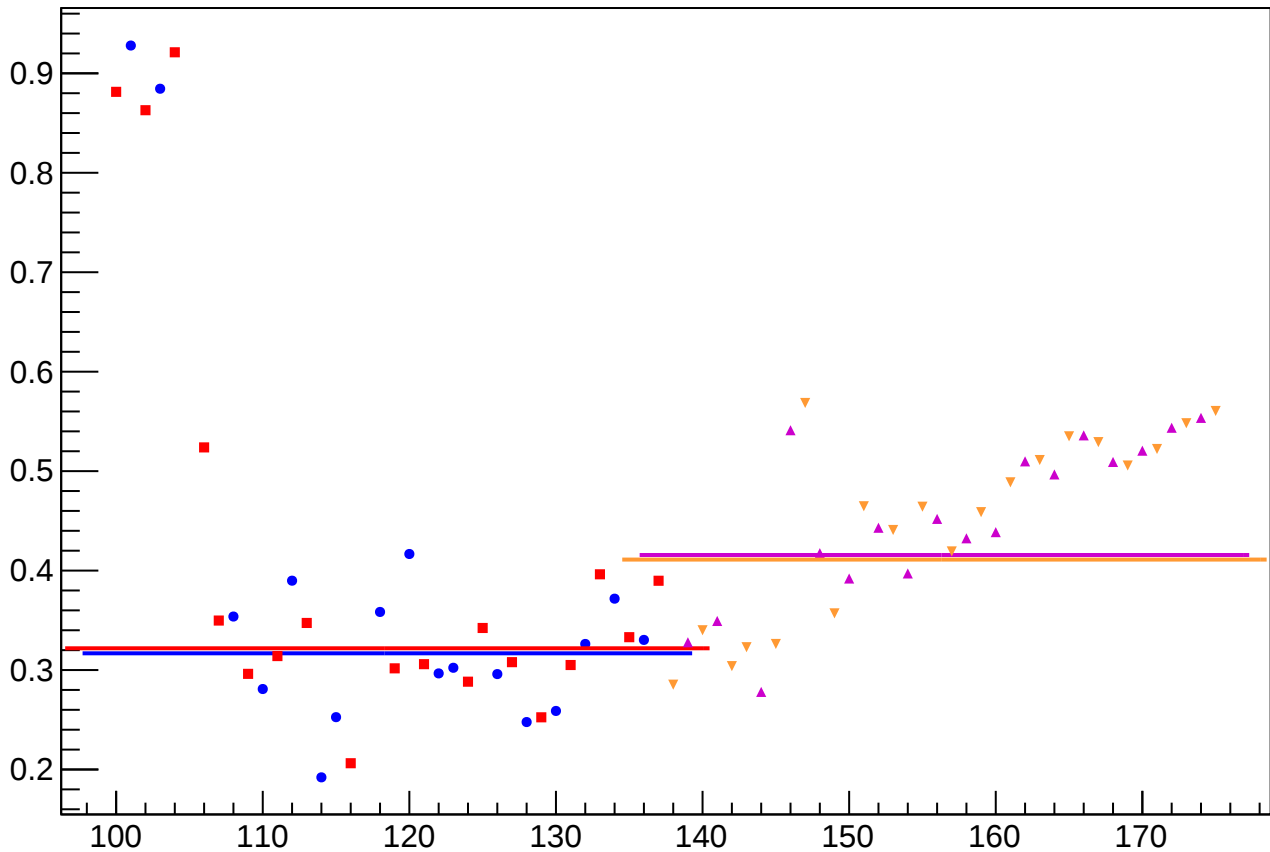
yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000 χ^2 /NDF: 3532173868.5/16
 Left Out: 148.167 $\pm$ 0.000 χ^2 /NDF: 52918458.6/19
 Right Out: 144.486 $\pm$ 0.000 χ^2 /NDF: 4183608291.3/18
 Left In: 147.764 $\pm$ 0.000 χ^2 /NDF: 324749789.0/17

+ sign 146.385 $\pm$ 0.000 χ^2 /NDF: 4225850900.7/36
 All: 146.369 $\pm$ 0.000 χ^2 /NDF: 9080538433.8
 - sign 146.352 $\pm$ 0.000 χ^2 /NDF: 4854614173.4/36

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1278613.2/16

Left Out: 0.411 $\pm$ 0.000 χ^2 /NDF:1417552.1/19

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1217762.5/18

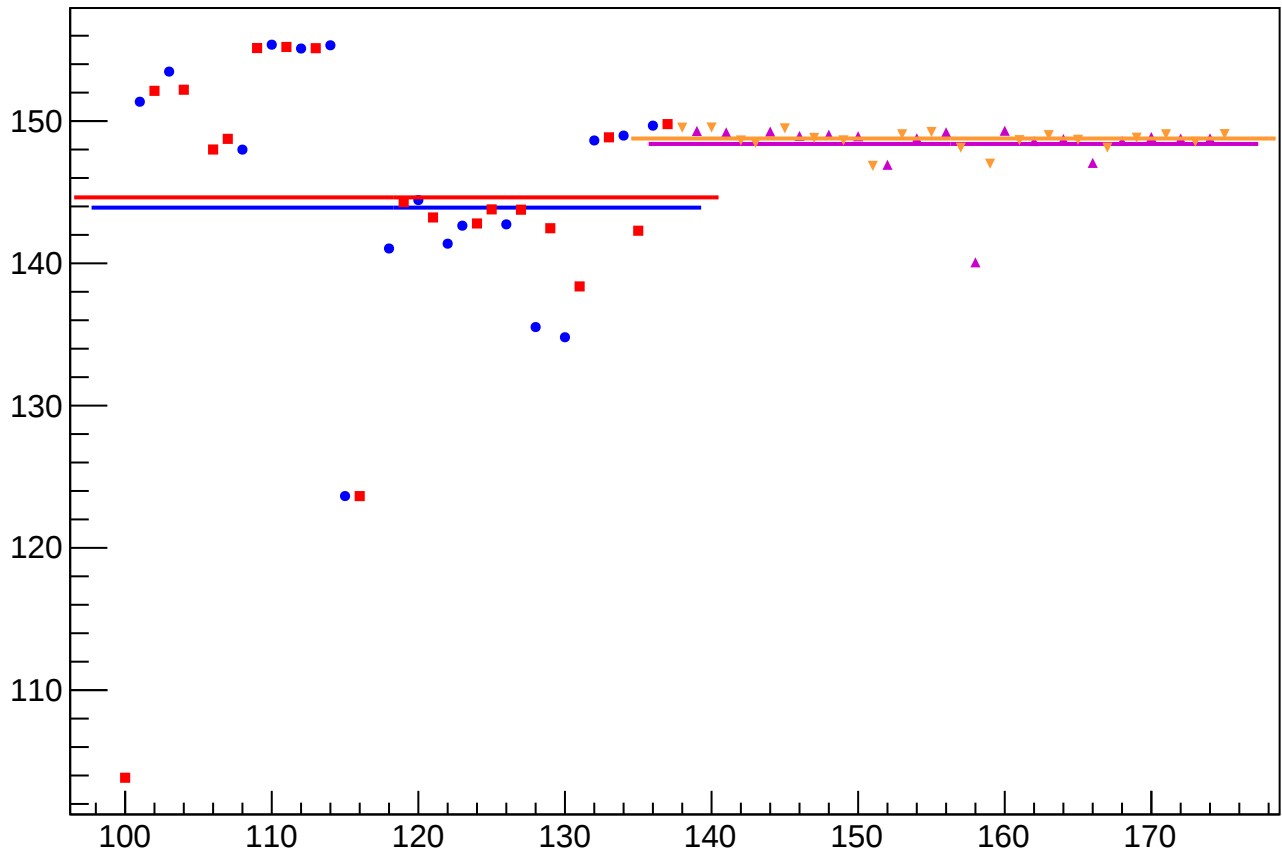
Left In: 0.416 $\pm$ 0.000 χ^2 /NDF:1098241.5/17

+ sign 0.373 $\pm$ 0.000 χ^2 /NDF: 3284439.9/36

All: 0.374 $\pm$ 0.000 χ^2 /NDF: 6168286.0/73

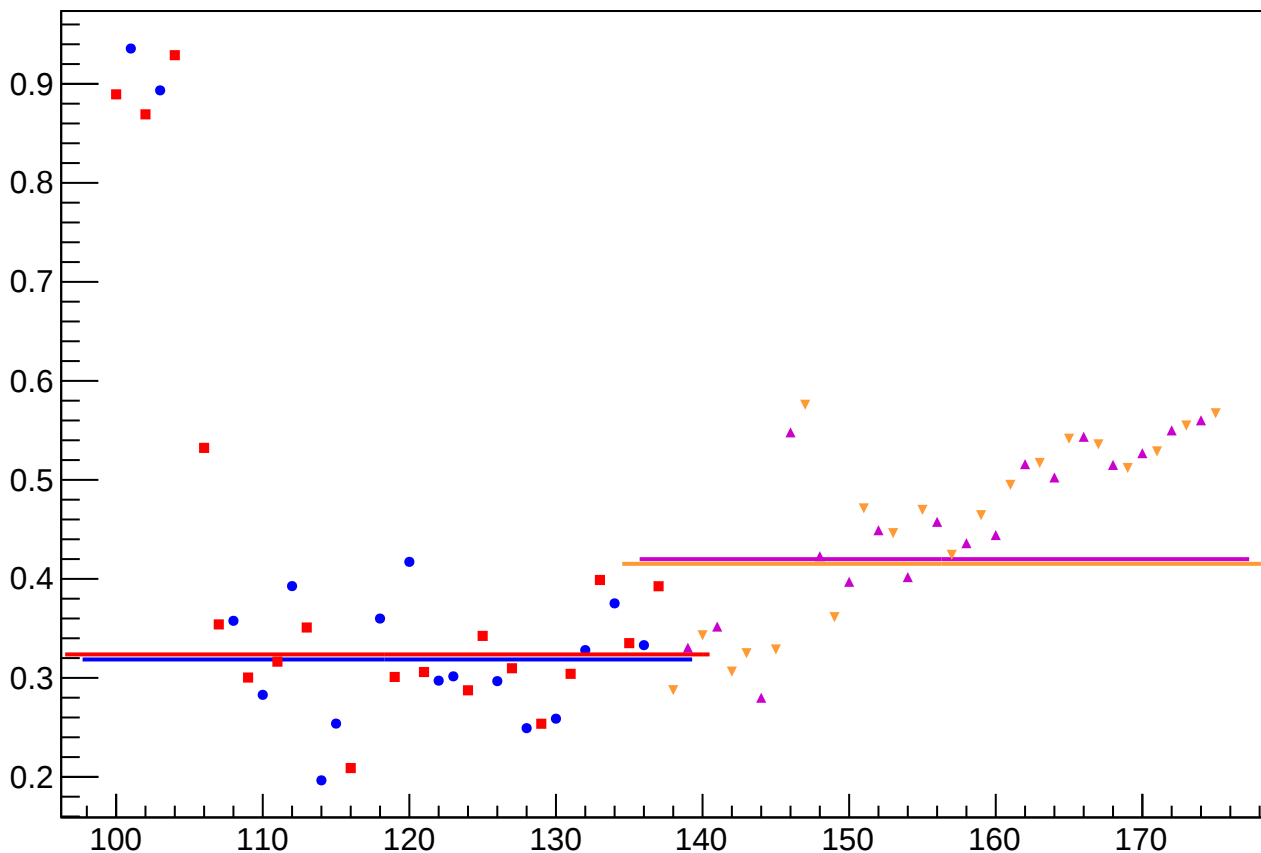
- sign 0.375 $\pm$ 0.000 χ^2 /NDF: 2883078.3/36

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000	χ^2 /NDF: 3584662767.5/16	+ sign 146.795 $\pm$ 0.000	χ^2 /NDF: 4395660114.6/36
Left Out: 148.774 $\pm$ 0.000	χ^2 /NDF: 41596405.0/19	All: 146.781 $\pm$ 0.000	χ^2 /NDF: 9368050883.7
Right Out: 144.637 $\pm$ 0.000	χ^2 /NDF: 4210524953.9/18	- sign 146.766 $\pm$ 0.000	χ^2 /NDF: 4972334349.0/36
Left In: 148.391 $\pm$ 0.000	χ^2 /NDF: 314714941.7/17		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1280748.9/16

Left Out: 0.415 $\pm$ 0.000 χ^2 /NDF:1442123.9/19

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1220898.3/18

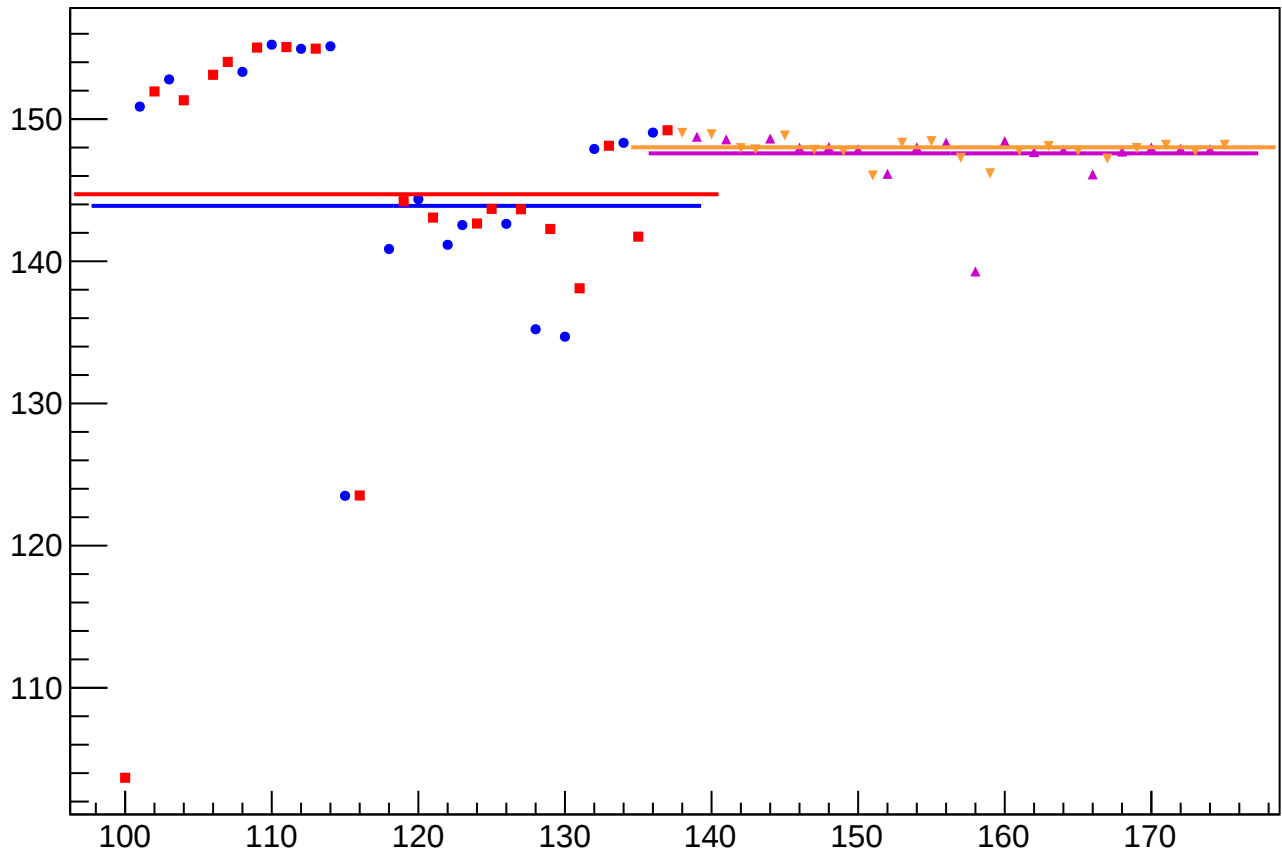
Left In: 0.420 $\pm$ 0.000 χ^2 /NDF:1118412.0/17

+ sign 0.376 $\pm$ 0.000 χ^2 /NDF: 3331509.2/36

All: 0.377 $\pm$ 0.000 χ^2 /NDF: 6258982.9/73

- sign 0.378 $\pm$ 0.000 χ^2 /NDF: 2926696.6/36

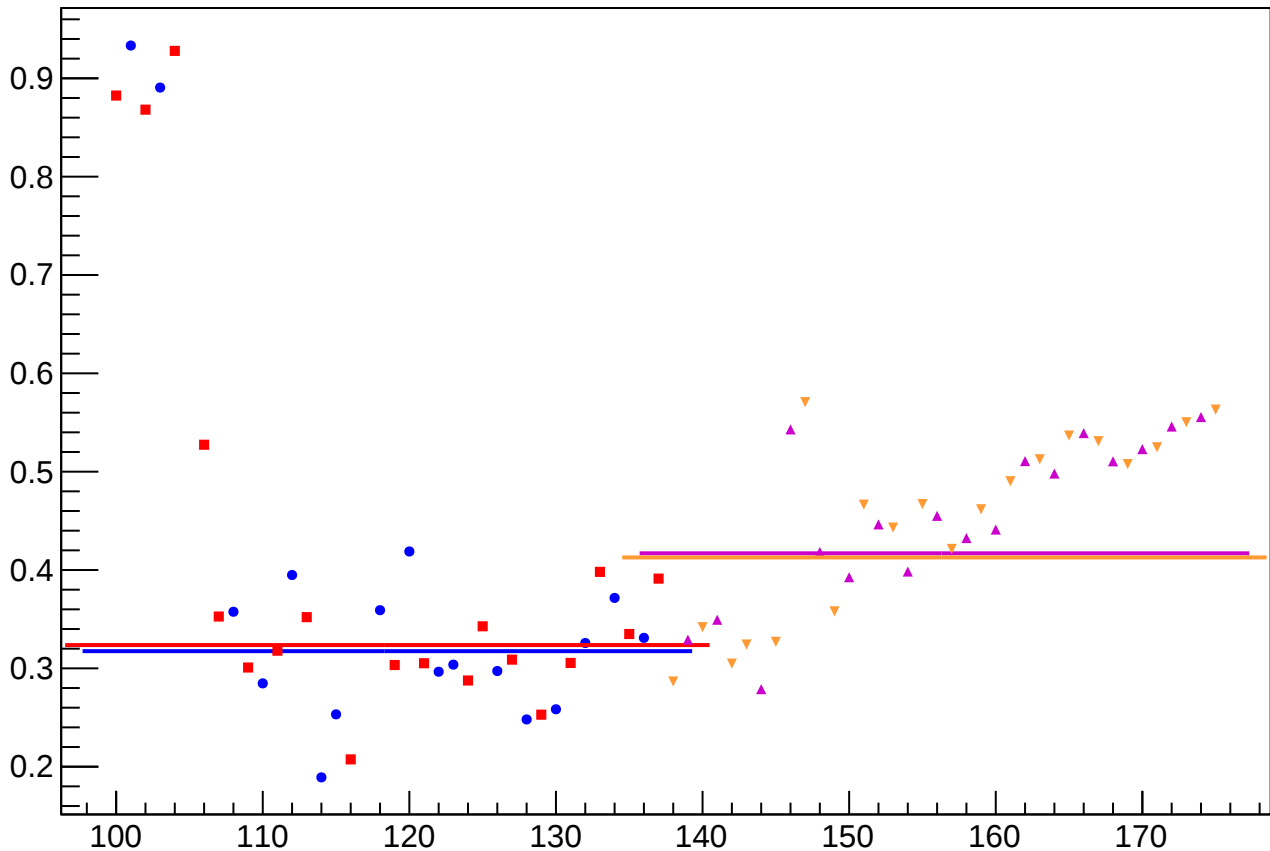
yield_bcm_an_us_mean vs Slug



Right In: 143.899 $\pm$ 0.000 χ^2 /NDF: 3749888331.0/16
 Left Out: 148.016 $\pm$ 0.000 χ^2 /NDF: 51300128.9/19
 Right Out: 144.715 $\pm$ 0.000 χ^2 /NDF: 4474458988.7/18
 Left In: 147.591 $\pm$ 0.000 χ^2 /NDF: 324034396.9/17

+ sign 146.346 $\pm$ 0.000 χ^2 /NDF: 4358628749.5/36
 All: 146.351 $\pm$ 0.000 χ^2 /NDF: 9421226967.4
 - sign 146.356 $\pm$ 0.000 χ^2 /NDF: 5062591167.3/36

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1293179.2/16

Left Out: 0.413 $\pm$ 0.000 χ^2 /NDF:1419050.5/19

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1221676.7/18

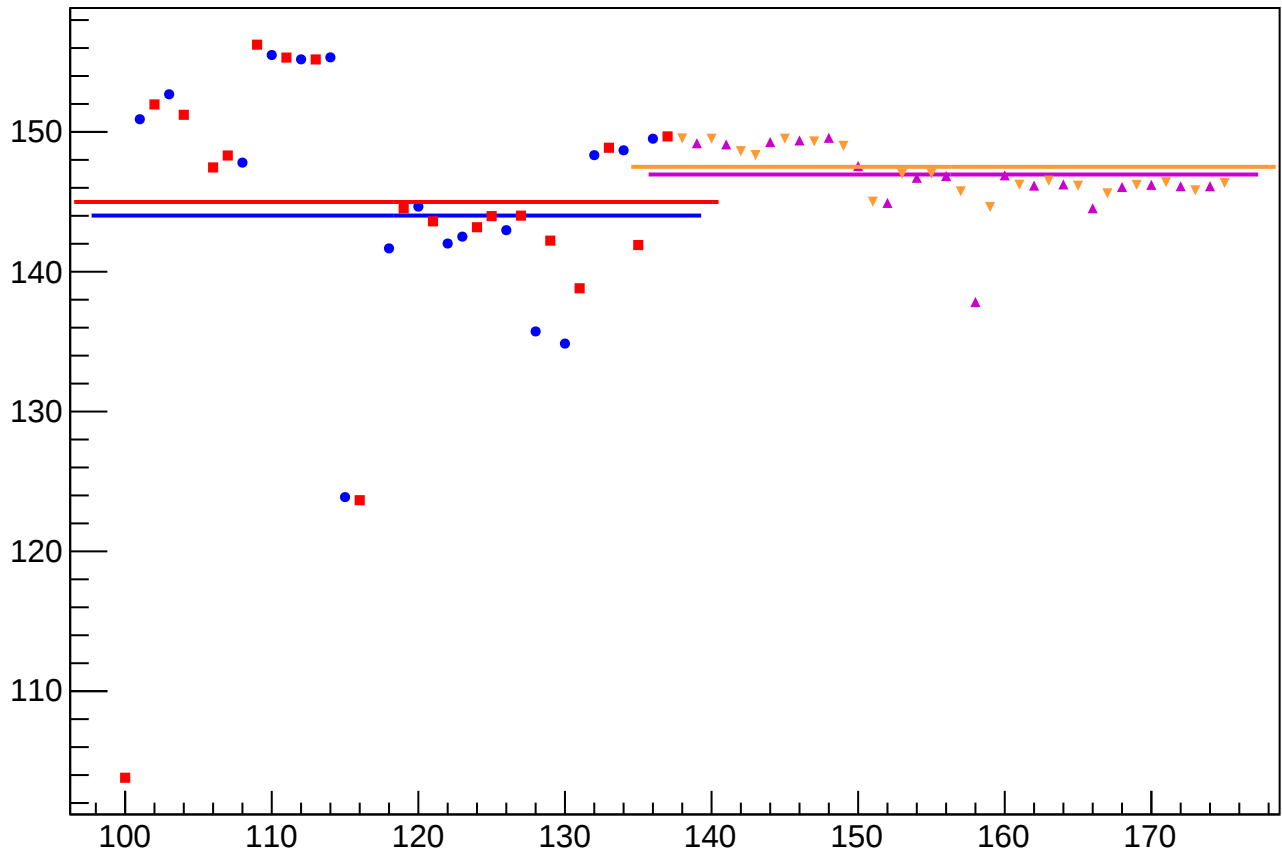
Left In: 0.417 $\pm$ 0.000 χ^2 /NDF:1104209.0/17

+ sign 0.374 $\pm$ 0.000 χ^2 /NDF: 3309247.3/36

All: 0.375 $\pm$ 0.000 χ^2 /NDF: 6192046.6/73

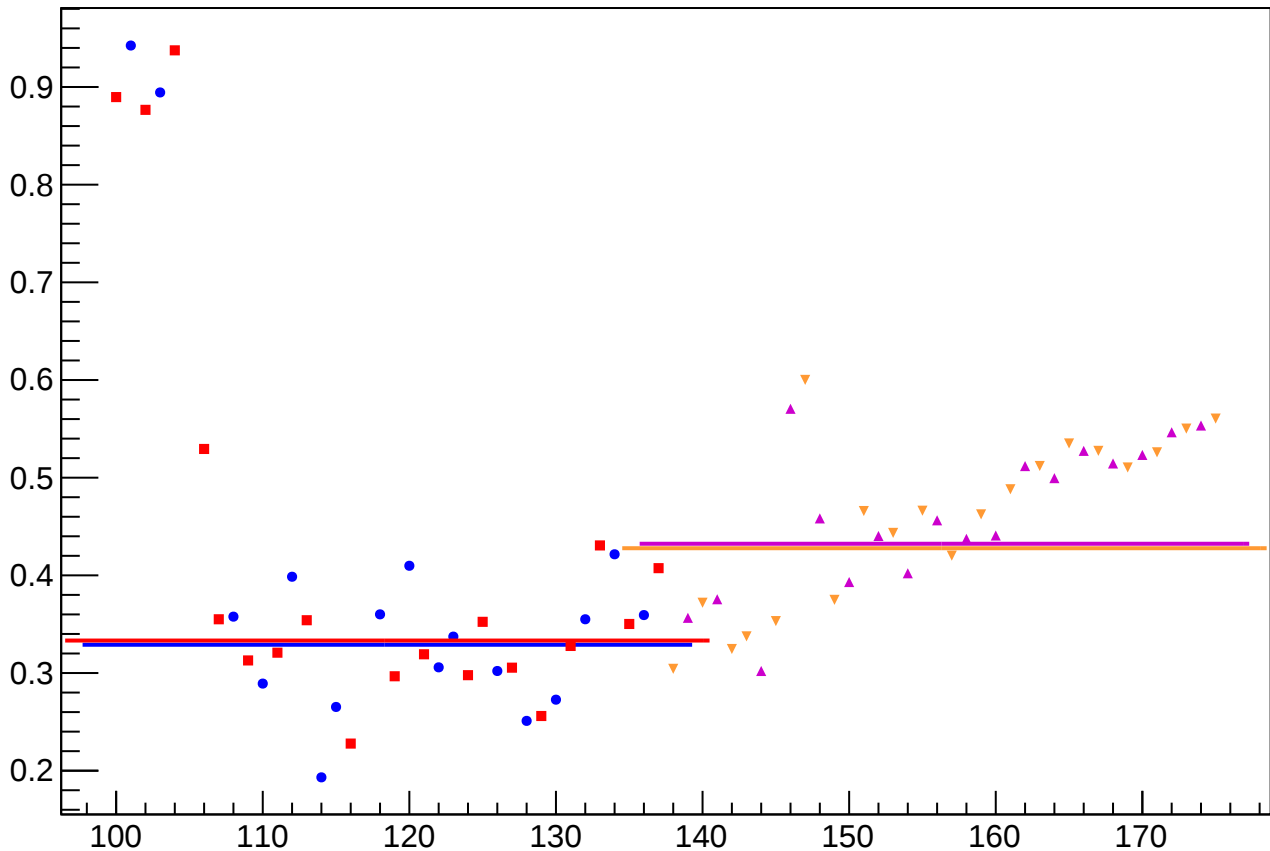
- sign 0.377 $\pm$ 0.000 χ^2 /NDF: 2881771.5/36

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 $\pm$ 0.000	χ^2 /NDF: 3238525527.6/16	+ sign 146.098 $\pm$ 0.000	χ^2 /NDF: 3822049495.0/36
Left Out: 147.503 $\pm$ 0.000	χ^2 /NDF: 211004632.8/19	All: 146.103 $\pm$ 0.000	χ^2 /NDF: 8297718288.8
Right Out: 144.990 $\pm$ 0.000	χ^2 /NDF: 3853449012.9/18	- sign 146.109 $\pm$ 0.000	χ^2 /NDF: 4475660649.8/36
Left In: 146.955 $\pm$ 0.000	χ^2 /NDF: 506289020.8/17		

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.428 ± 0.000 χ^2/NDF : 1107373.1/19

Right Out: 0.333 ± 0.000 χ^2/NDF : 1182496.7/18

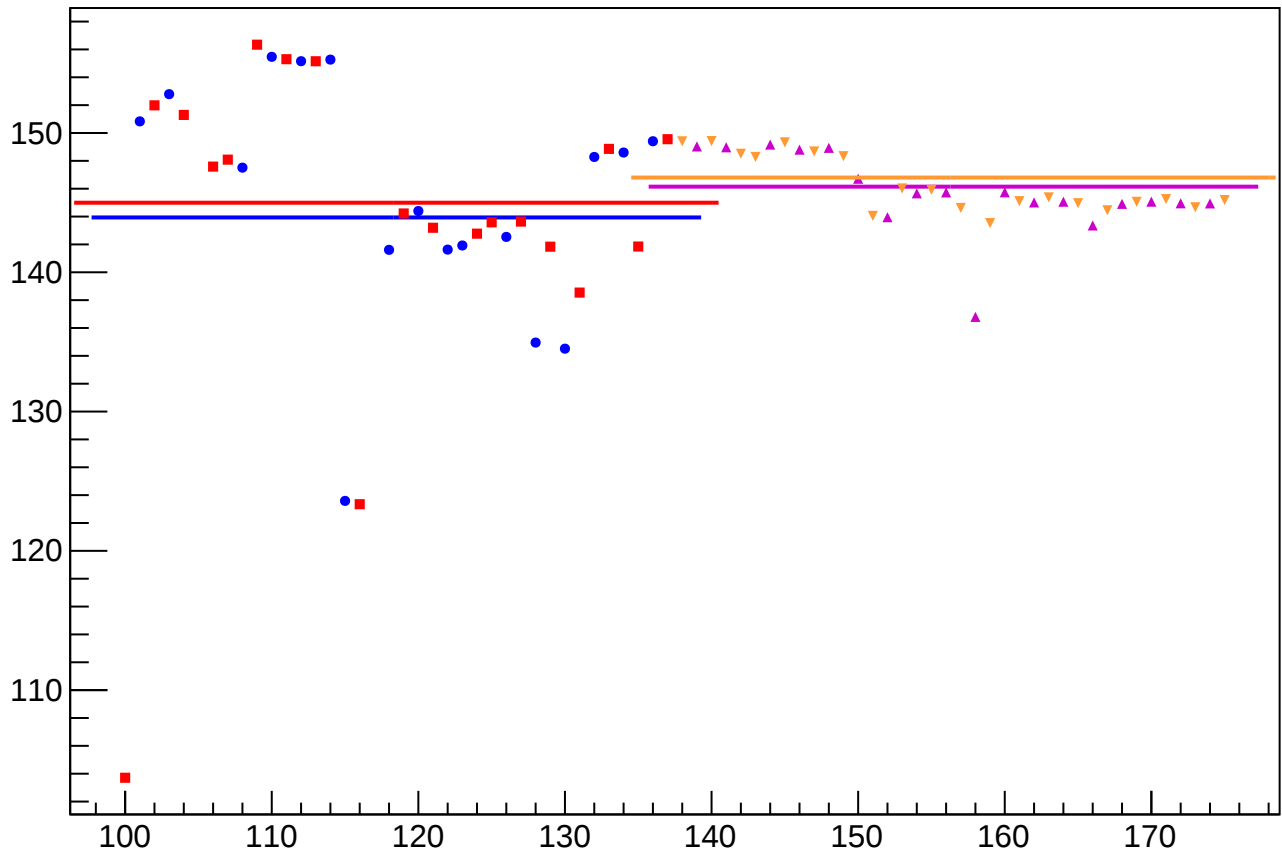
Left In: 0.432 ± 0.000 χ^2/NDF : 840042.9/17

+ sign 0.388 ± 0.000 χ^2/NDF : 2982520.5/36

All: 0.389 ± 0.000 χ^2/NDF : 5595135.5/73

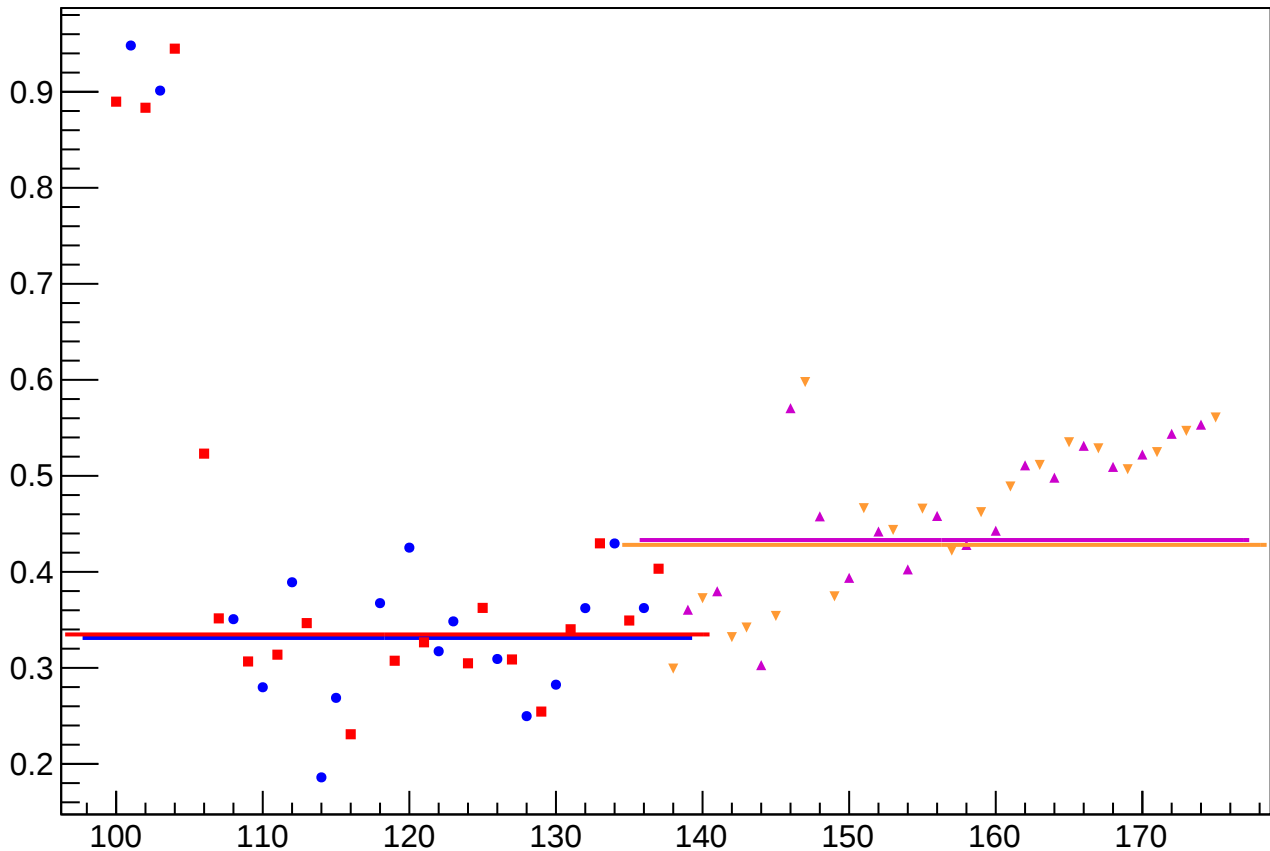
- sign 0.390 ± 0.000 χ^2/NDF : 2612226.6/36

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000	χ^2 /NDF: 3379203532.9/16	+ sign 145.657 $\pm$ 0.000	χ^2 /NDF: 3957683504.8/36
Left Out: 146.802 $\pm$ 0.000	χ^2 /NDF: 329568633.9/19	All: 145.655 $\pm$ 0.000	χ^2 /NDF: 8560388698.6
Right Out: 144.995 $\pm$ 0.000	χ^2 /NDF: 3934069043.2/18	- sign 145.653 $\pm$ 0.000	χ^2 /NDF: 4602704179.6/36
Left In: 146.147 $\pm$ 0.000	χ^2 /NDF: 629096459.5/17		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 ± 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.428 ± 0.000 χ^2/NDF : 1096431.0/19

Right Out: 0.335 ± 0.000 χ^2/NDF : 1172239.8/18

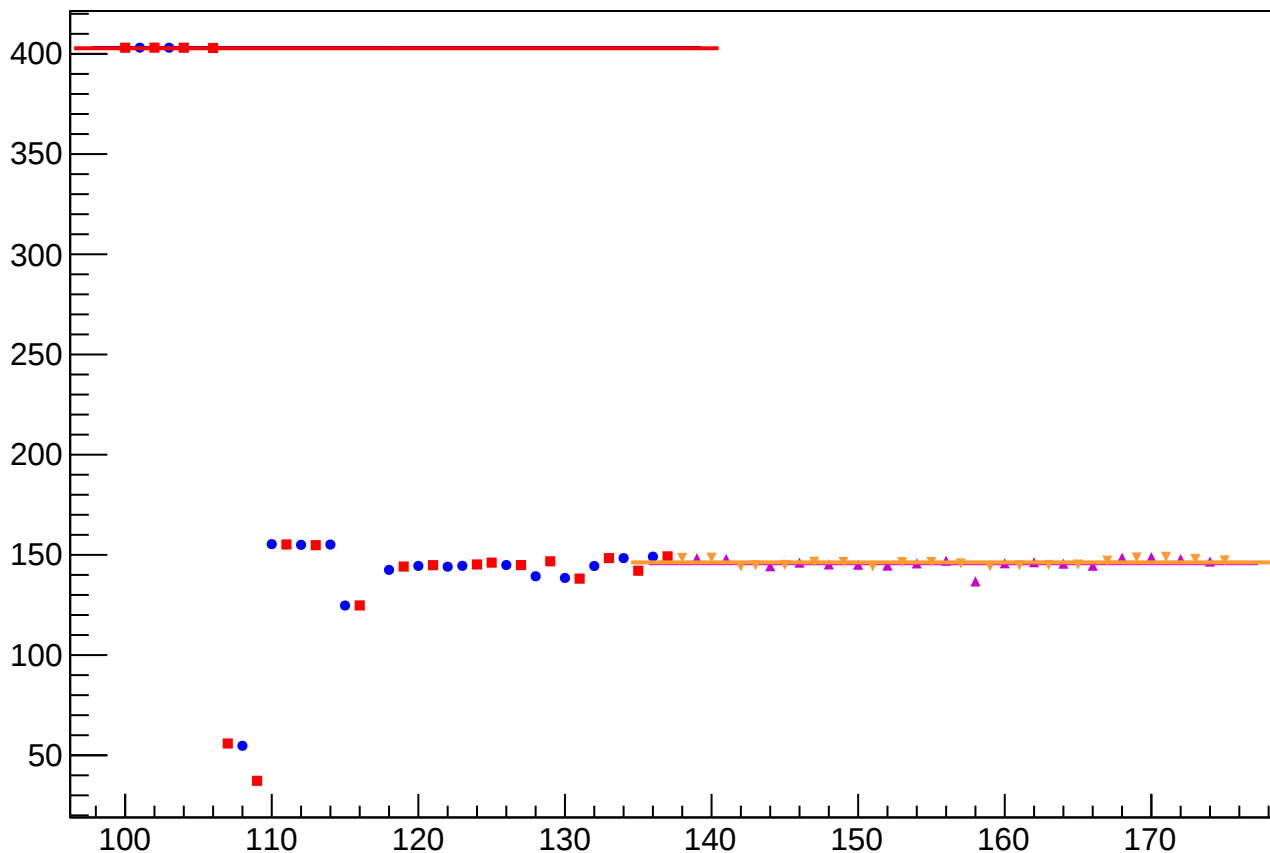
Left In: 0.433 ± 0.000 χ^2/NDF : 811700.2/17

+ sign 0.389 ± 0.000 χ^2/NDF : 2962259.8/36

All: 0.390 ± 0.000 χ^2/NDF : 5522655.5/73

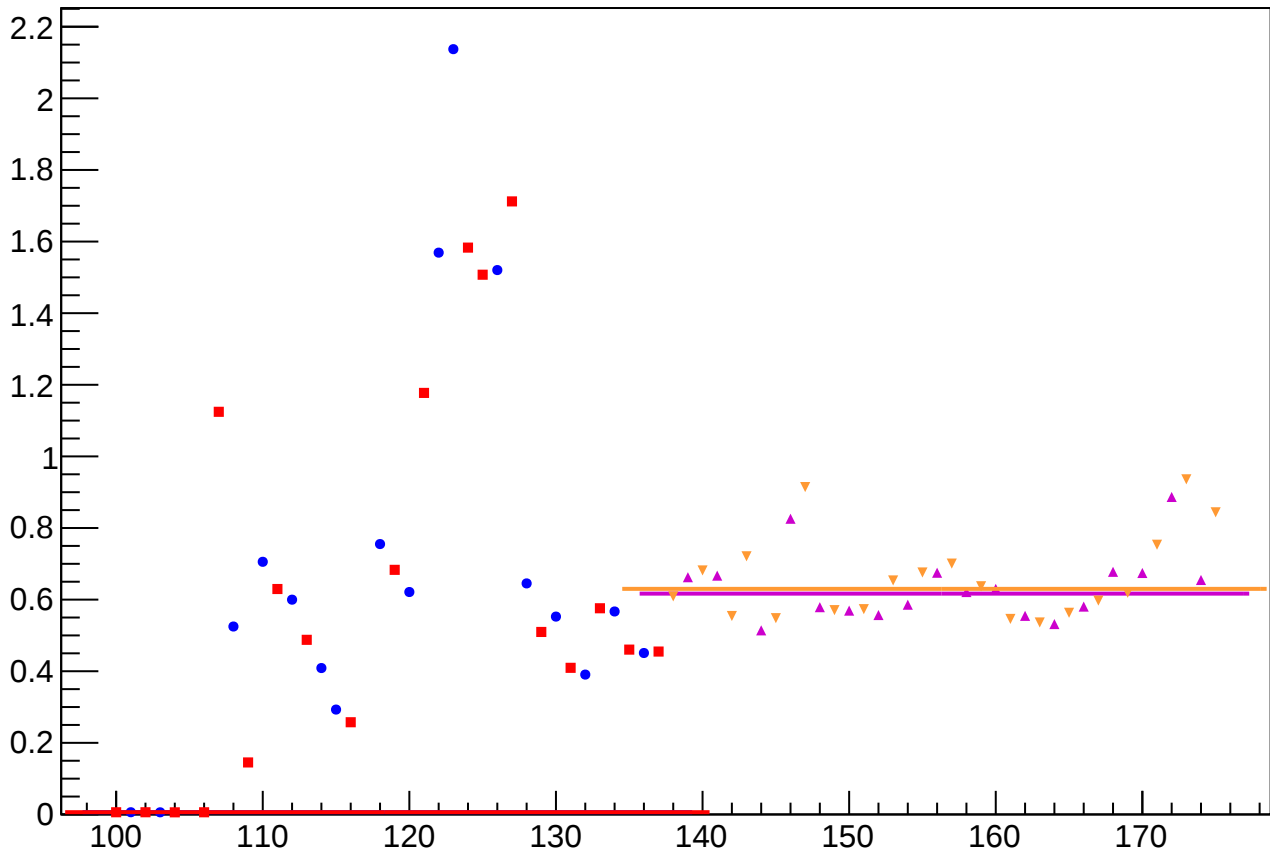
- sign 0.391 ± 0.000 χ^2/NDF : 2560066.5/36

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16
 Left Out: 146.264+/-0.000 χ^2/NDF : 73655962.7/19
 Right Out: 402.799+/-0.000 χ^2/NDF : 3103890772575.4/18
 Left In: 145.842+/-0.000 χ^2/NDF : 169470525.9/17

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.630+/-0.000 χ^2/NDF :548137.7/19

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

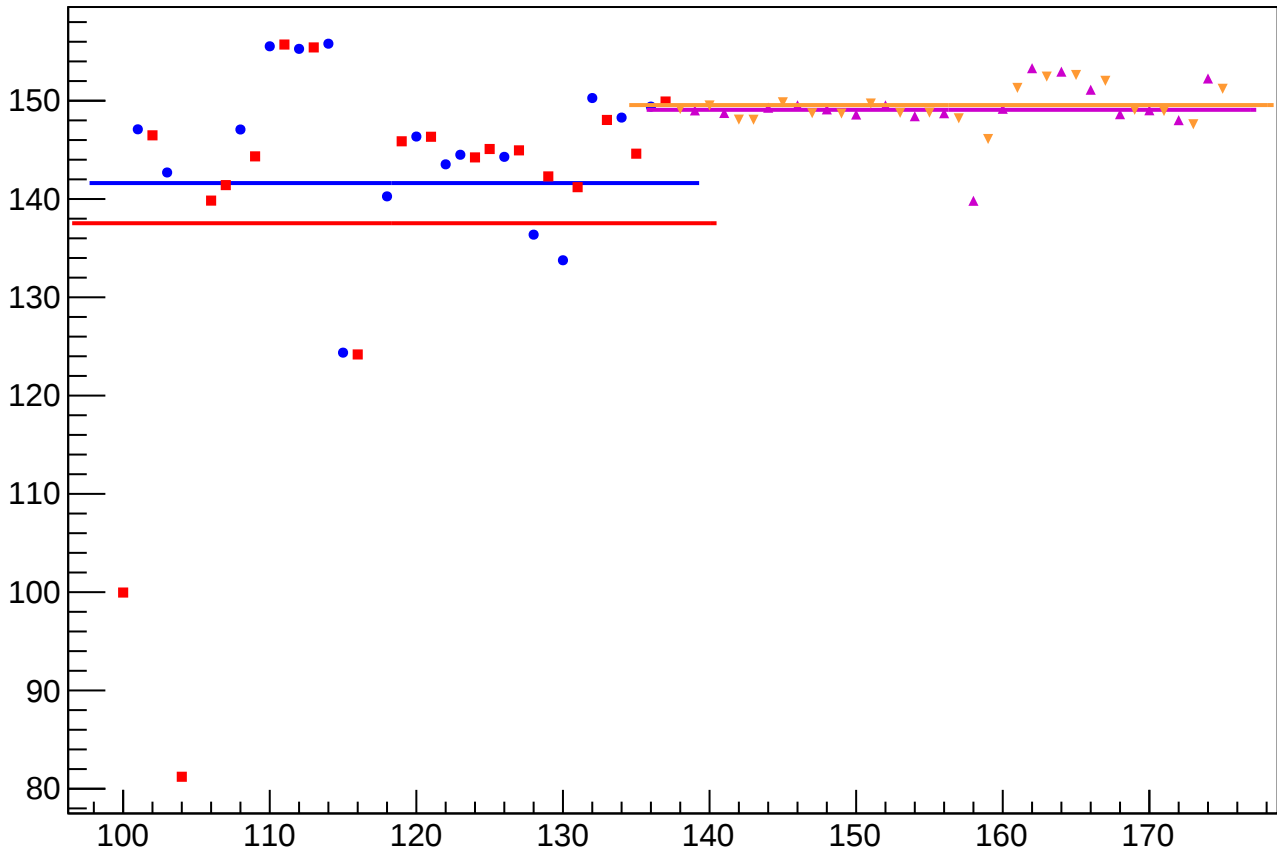
Left In: 0.617+/-0.000 χ^2/NDF :345802.4/17

+ sign 0.007+/-0.000 χ^2/NDF : 31618135.9/36

All: 0.007+/-0.000 χ^2/NDF : 61606558.3/73

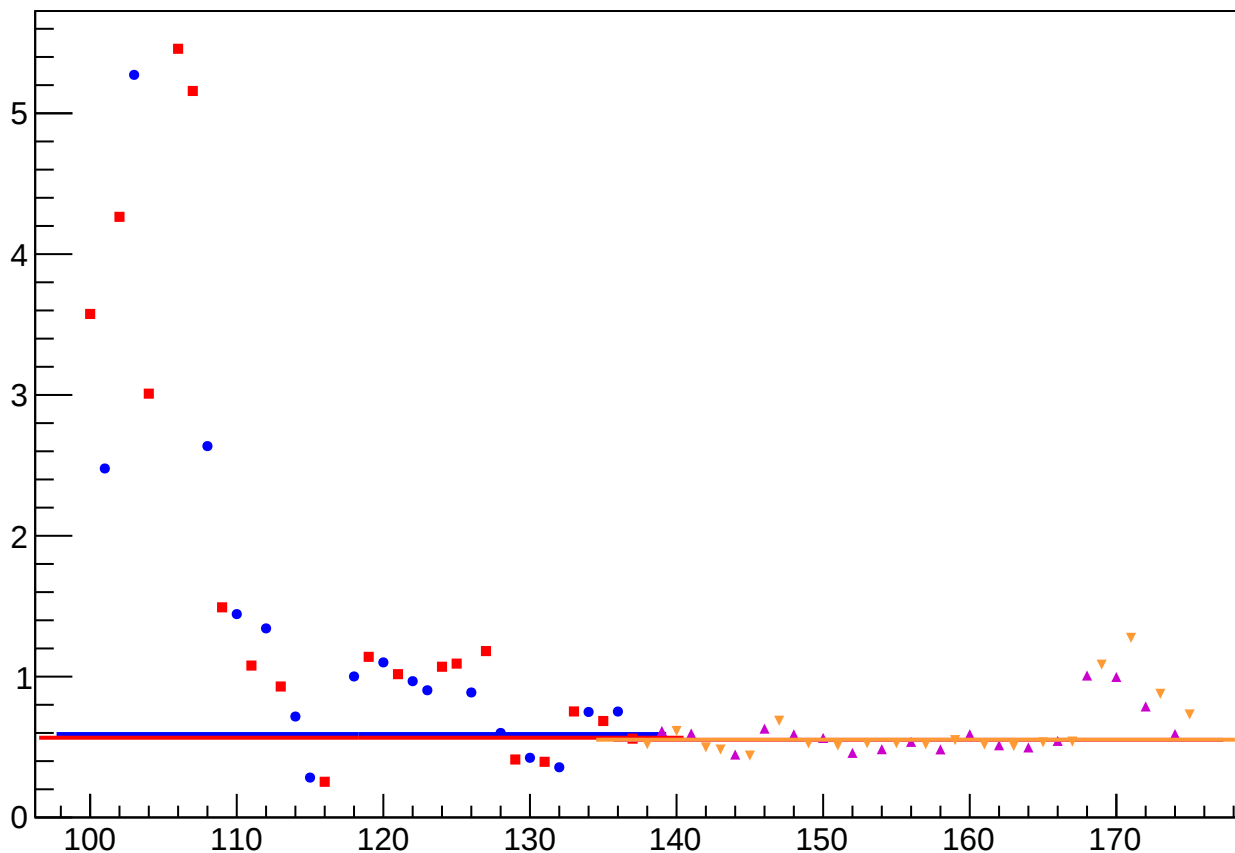
- sign 0.007+/-0.000 χ^2/NDF : 29988087.6/36

yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000	χ^2 /NDF: 982037737.7/16	+ sign 148.008 $\pm$ 0.000	χ^2 /NDF: 1621331537.3/36
Left Out: 149.558 $\pm$ 0.000	χ^2 /NDF: 126381907.7/19	All: 147.327 $\pm$ 0.000	χ^2 /NDF: 4483943416.8
Right Out: 137.536 $\pm$ 0.000	χ^2 /NDF: 1315768553.6/18	- sign 146.619 $\pm$ 0.000	χ^2 /NDF: 2813524635.3/36
Left In: 149.075 $\pm$ 0.000	χ^2 /NDF: 384728032.5/17		

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.552 $\pm$ 0.000 χ^2 /NDF:1310721.7/19

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4682140.9/18

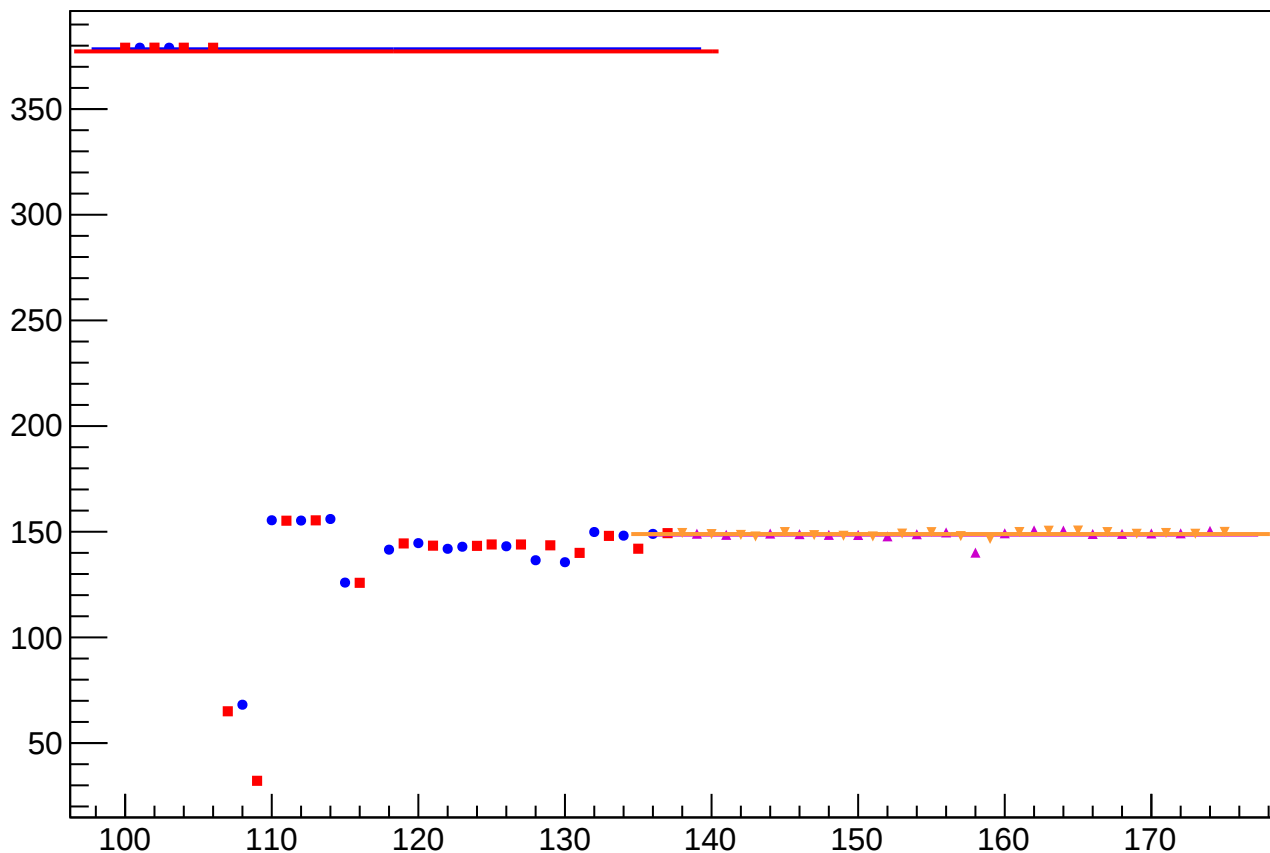
Left In: 0.551 $\pm$ 0.000 χ^2 /NDF:961317.3/17

+ sign 0.560 $\pm$ 0.000 χ^2 /NDF: 4858472.2/36

All: 0.557 $\pm$ 0.000 χ^2 /NDF: 10507700.9/73

- sign 0.554 $\pm$ 0.000 χ^2 /NDF: 5647425.8/36

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.903+/-0.000 χ^2/NDF : 62991493.4/19

Right Out: 377.289+/-0.000 χ^2/NDF : 8279468194444.1/18

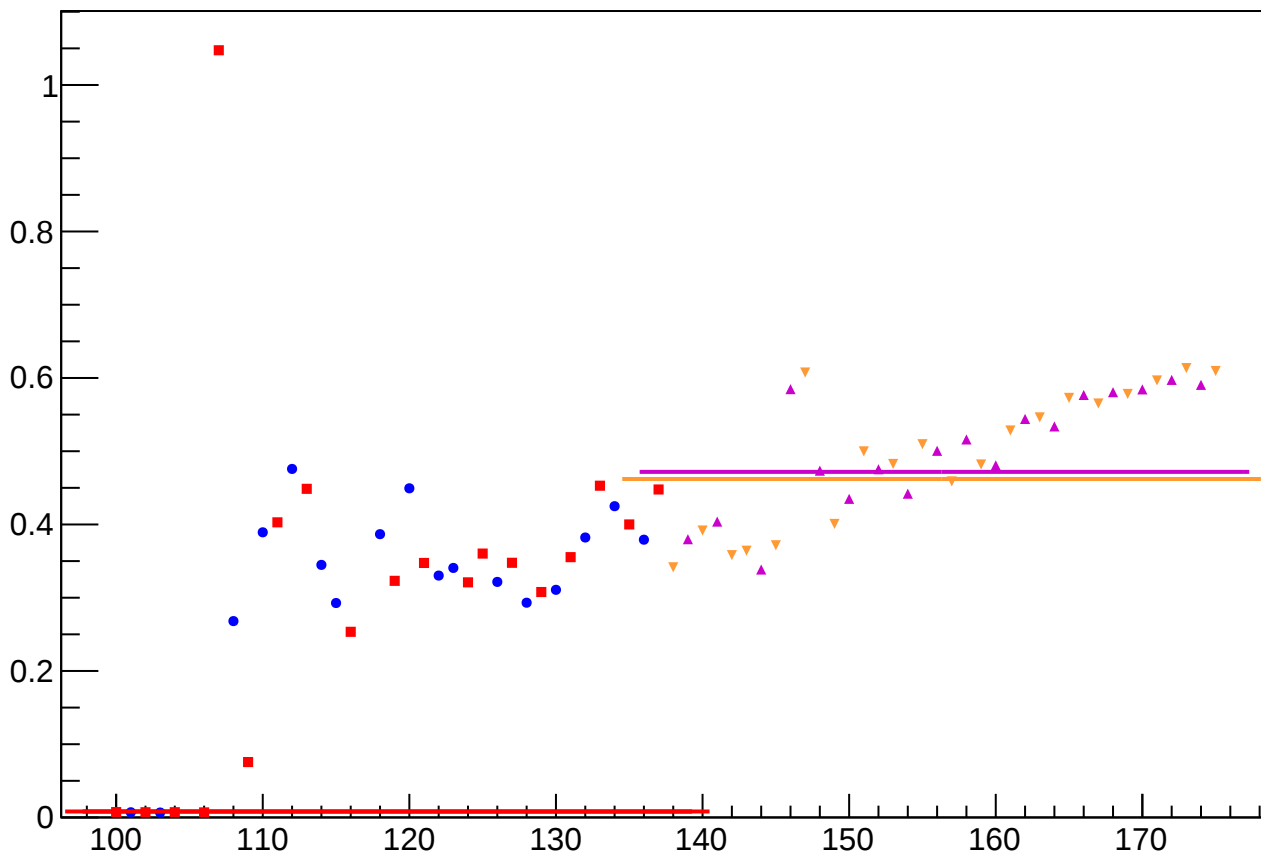
Left In: 148.647+/-0.000 χ^2/NDF : 242021826.9/17

+ sign 377.156+/-0.000 χ^2/NDF : 5948683729305.7

All: 376.756+/-0.000 χ^2/NDF : 17303772208

- sign 376.404+/-0.000 χ^2/NDF : 11351058855988.1

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9885759.8/16

Left Out: 0.462 $\pm$ 0.000 χ^2 /NDF: 1105193.7/19

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9535410.6/18

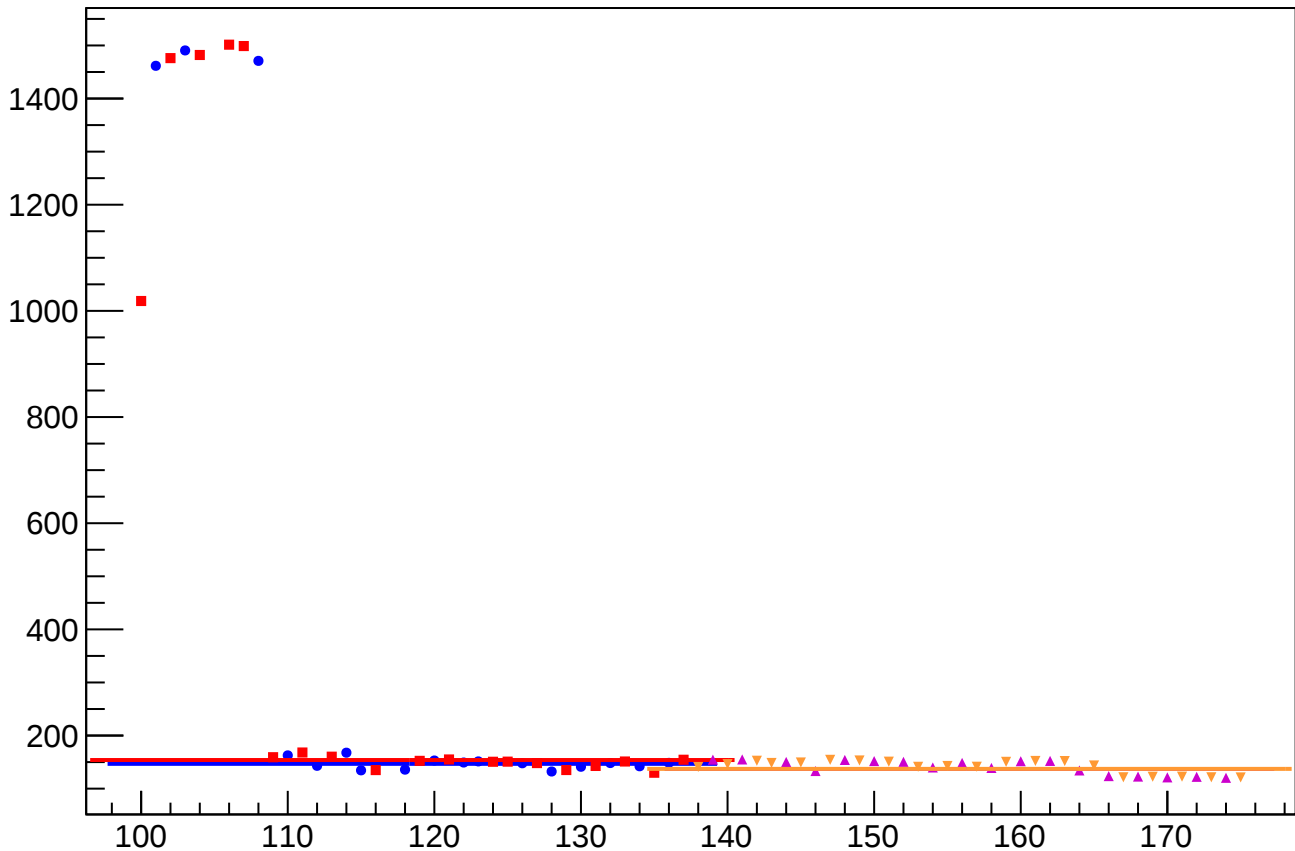
Left In: 0.472 $\pm$ 0.000 χ^2 /NDF: 792470.8/17

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 37910243.7/36

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 73501541.3/73

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 35588869.7/36

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 137.224+/-0.000 χ^2/NDF : 3270427209.9/19

Right Out: 153.887+/-0.000 χ^2/NDF : 33738118250.9/18

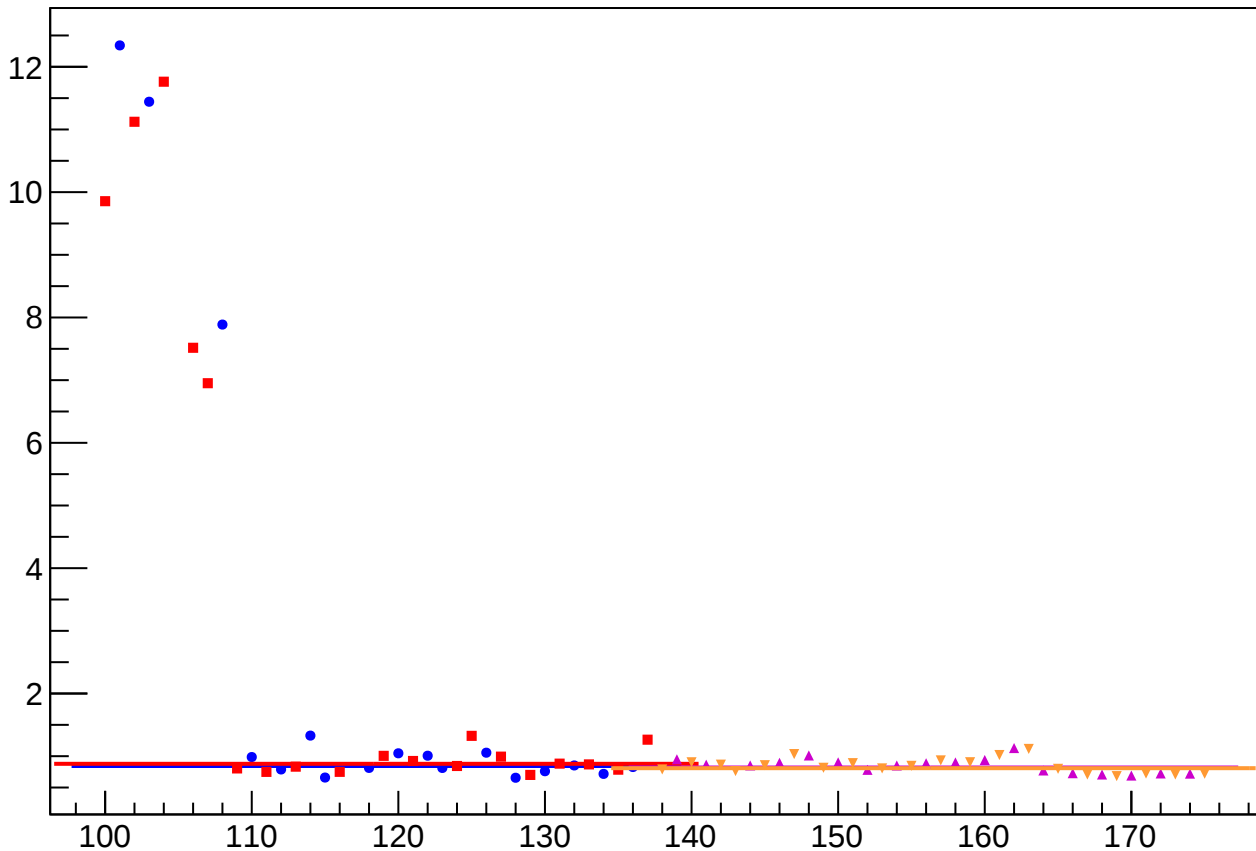
Left In: 136.991+/-0.000 χ^2/NDF : 3167214966.3/17

+ sign 139.313+/-0.000 χ^2/NDF : 27998262632.0/36

All: 140.101+/-0.000 χ^2/NDF : 66091497659.0/36

- sign 140.952+/-0.000 χ^2/NDF : 38061757754.0/36

yield_bcm0l02_rms vs Slug



Right In: 0.844 ± 0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.809 ± 0.000 χ^2/NDF : 448006.2/19

Right Out: 0.878 ± 0.000 χ^2/NDF : 2812500.6/18

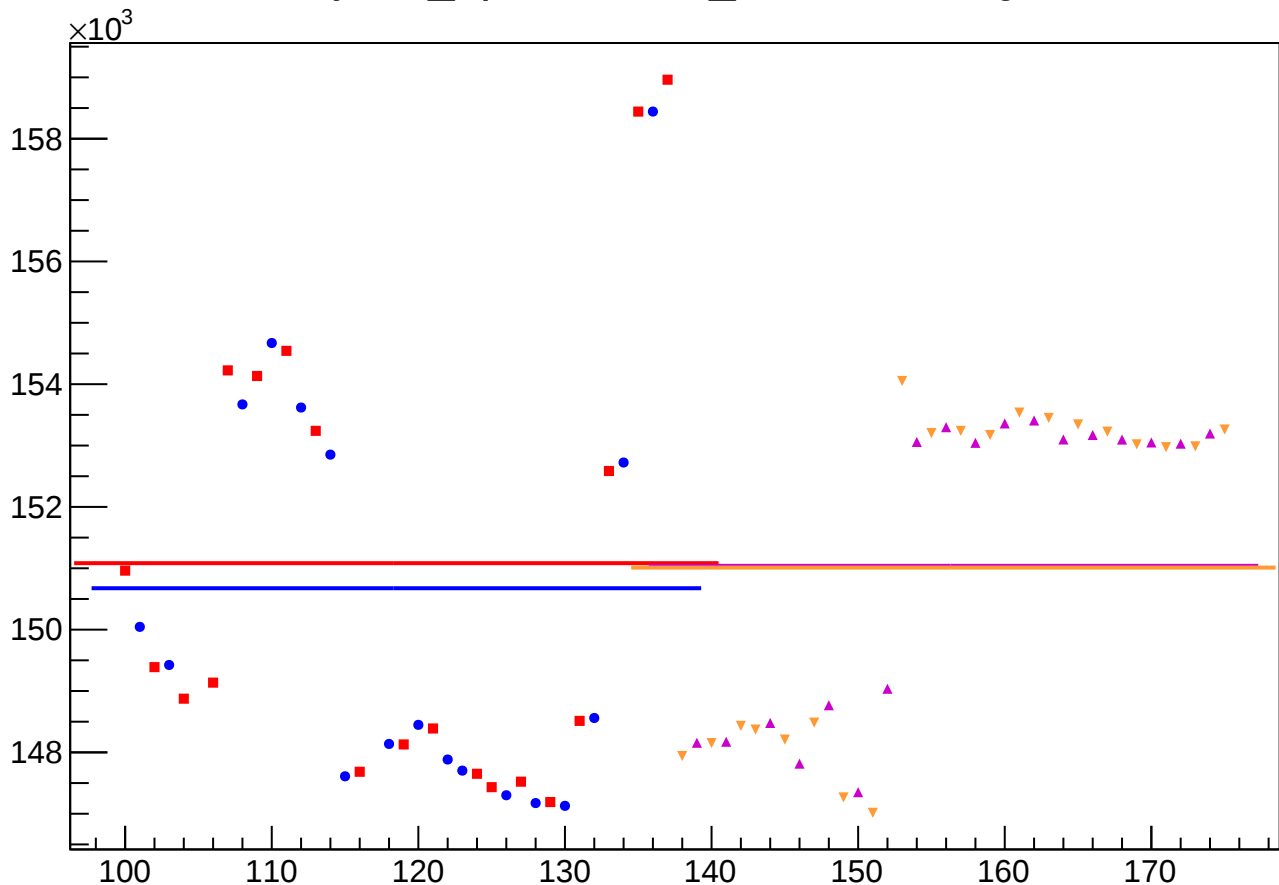
Left In: 0.820 ± 0.000 χ^2/NDF : 402566.7/17

+ sign 0.816 ± 0.000 χ^2/NDF : 3128754.9/36

All: 0.824 ± 0.000 χ^2/NDF : 6378620.4/73

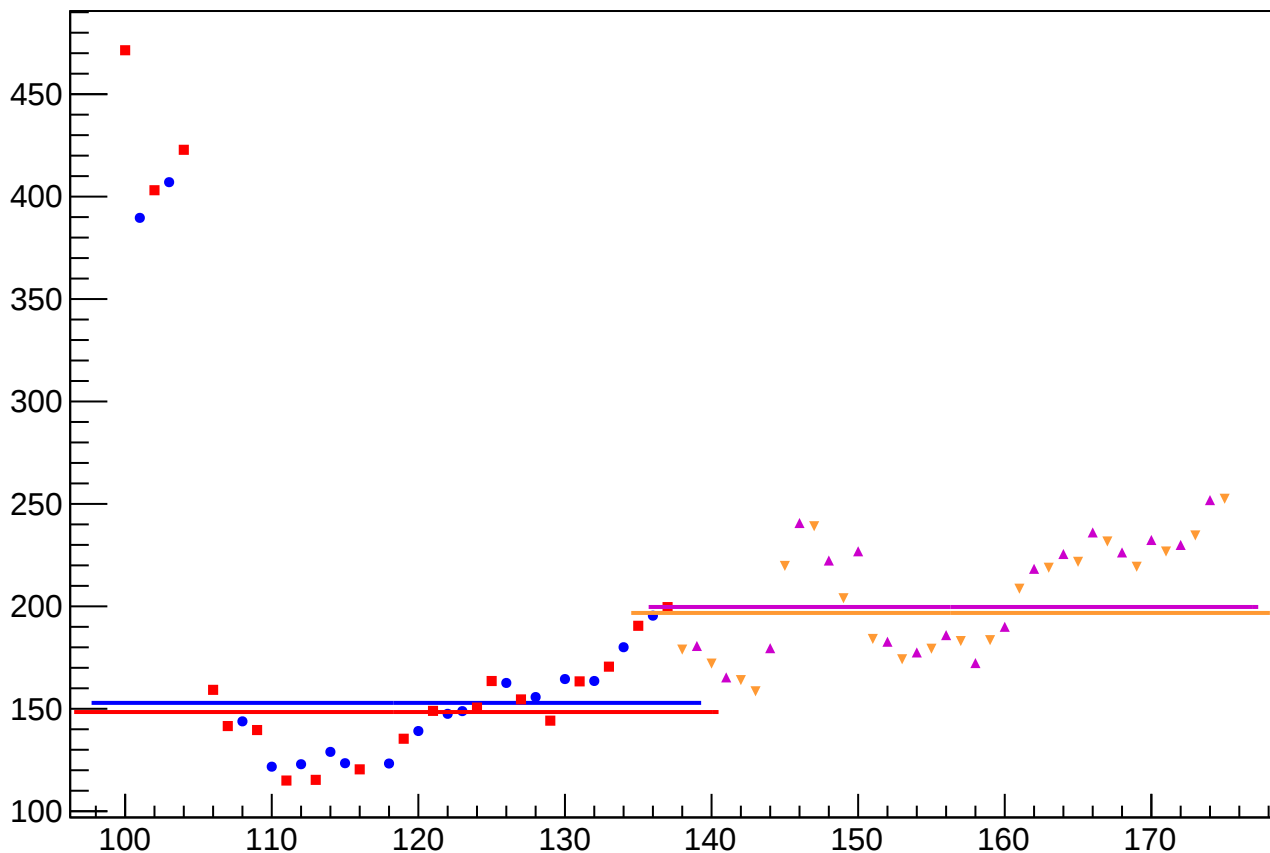
- sign 0.833 ± 0.000 χ^2/NDF : 3243050.2/36

yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16
 Left Out: 151011.181 $\pm$ 0.051 χ^2 /NDF: 2734986250.9/19
 Right Out: 151083.268 $\pm$ 0.060 χ^2 /NDF: 3300830370.5/18
 Left In: 151040.042 $\pm$ 0.054 χ^2 /NDF: 2010624045.6/17
 + sign 150876.464 $\pm$ 0.040 χ^2 /NDF: 6062042842.3
 All: 150967.329 $\pm$ 0.028 χ^2 /NDF: 113842597
 - sign 151059.617 $\pm$ 0.040 χ^2 /NDF: 5311741347.0

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 196.784 $\pm$ 0.036 χ^2 /NDF: 522457.1/19

Right Out: 148.418 $\pm$ 0.042 χ^2 /NDF: 1191577.6/18

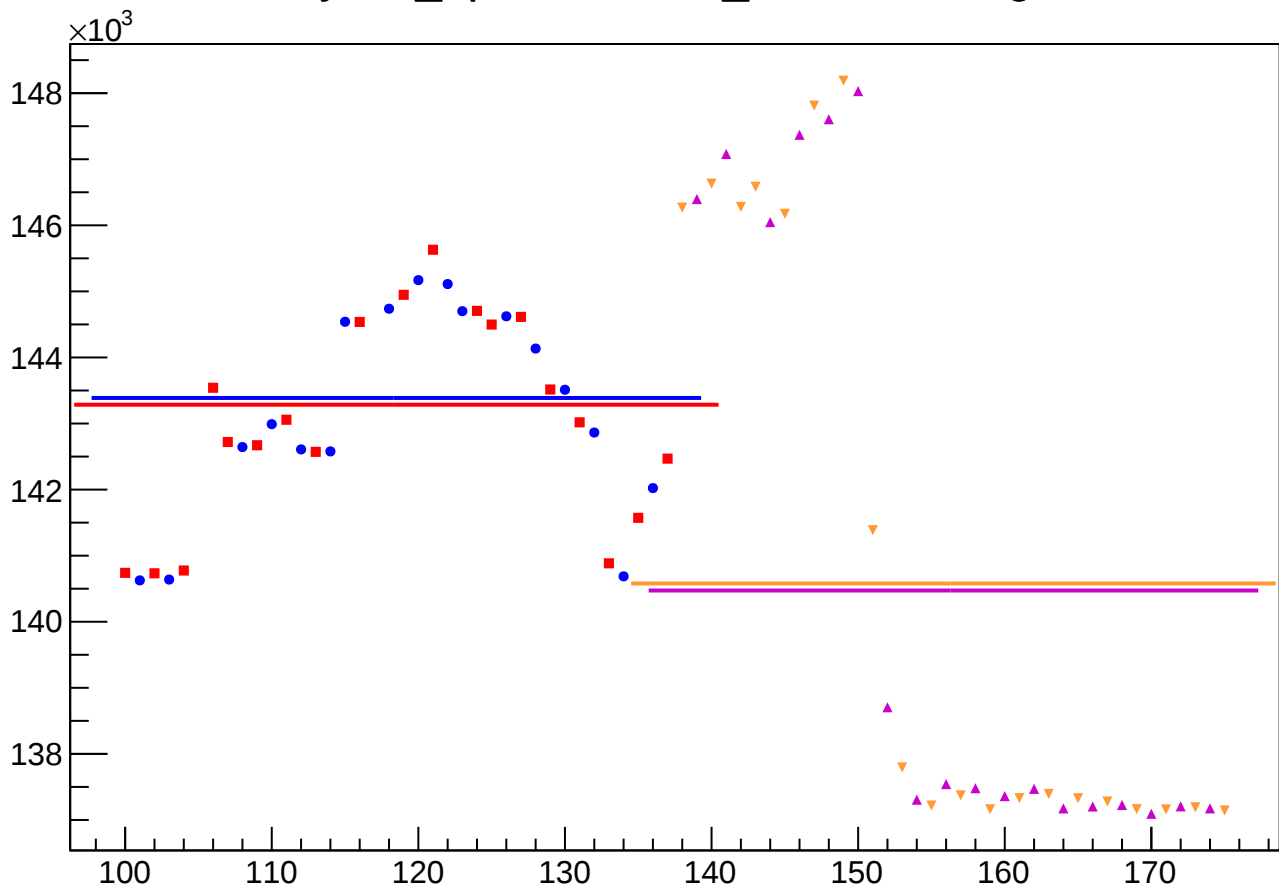
Left In: 199.698 $\pm$ 0.038 χ^2 /NDF: 483038.6/17

+ sign 179.190 $\pm$ 0.028 χ^2 /NDF: 2259223.5/36

All: 177.844 $\pm$ 0.020 χ^2 /NDF: 4746044.8/73

- sign 176.476 $\pm$ 0.028 χ^2 /NDF: 2482218.7/36

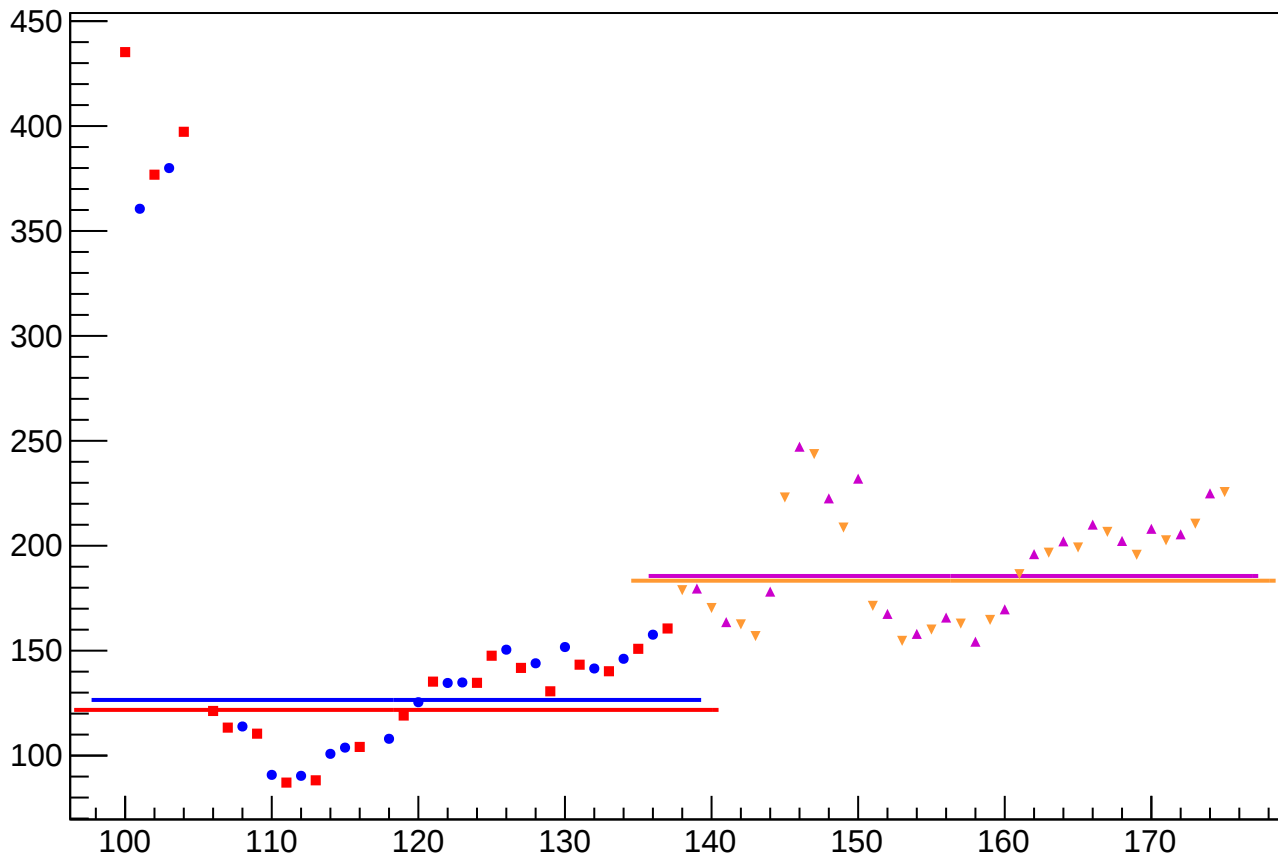
yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 ± 0.053 $\chi^2/\text{NDF}: 521299875.7/16$
 Left Out: 140579.395 ± 0.048 $\chi^2/\text{NDF}: 8282326079.0/19$
 Right Out: 143284.757 ± 0.049 $\chi^2/\text{NDF}: 608634820.1/18$
 Left In: 140472.902 ± 0.051 $\chi^2/\text{NDF}: 7719389586.9/17$

+ sign 141851.614 ± 0.035 $\chi^2/\text{NDF}: 10354520689.$
 All: 141885.920 ± 0.025 $\chi^2/\text{NDF}: 202764859.$
 - sign 141919.705 ± 0.035 $\chi^2/\text{NDF}: 9920110715.6/17$

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 183.341 $\pm$ 0.034 χ^2 /NDF: 504145.3/19

Right Out: 121.772 $\pm$ 0.035 χ^2 /NDF: 1463829.4/18

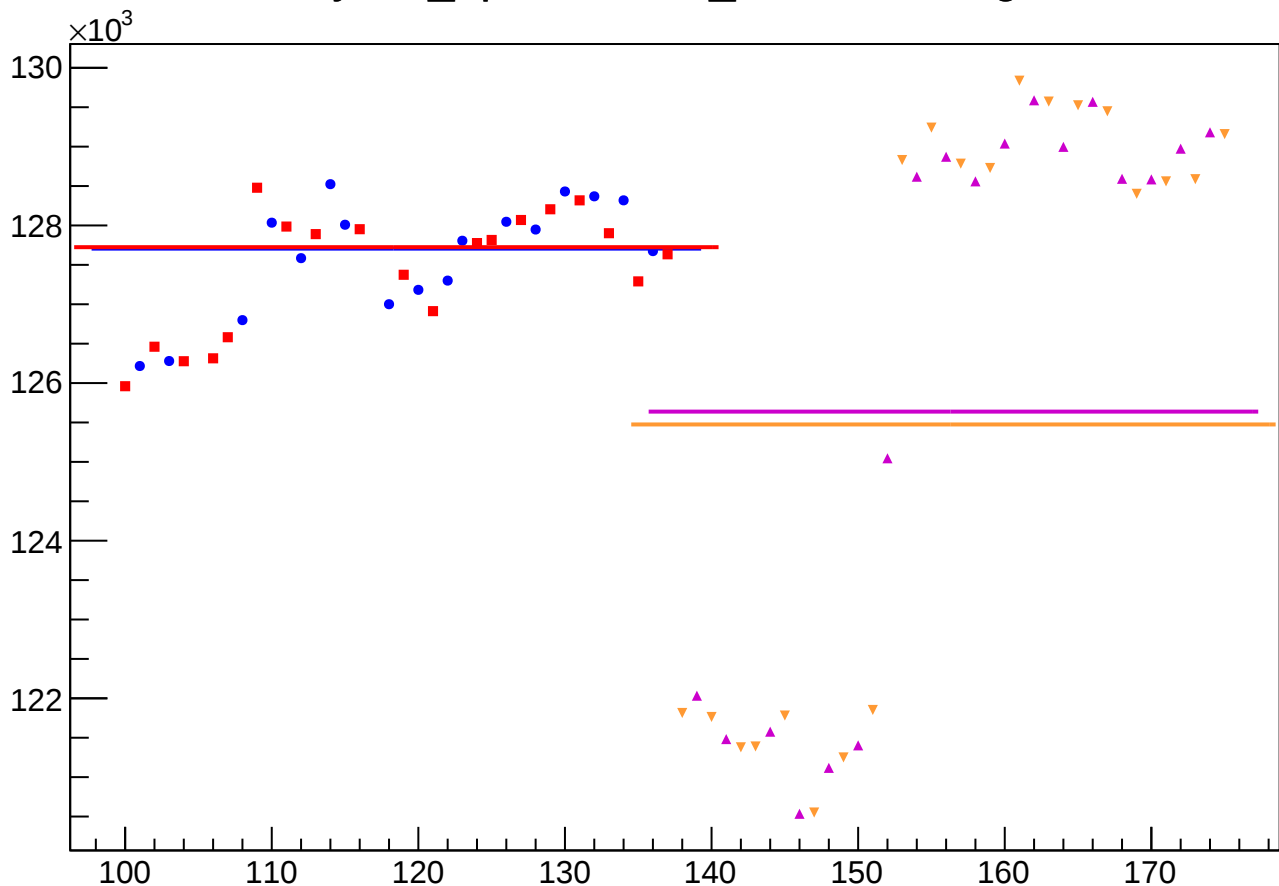
Left In: 185.592 $\pm$ 0.036 χ^2 /NDF: 531145.2/17

+ sign 157.592 $\pm$ 0.025 χ^2 /NDF: 3216475.9/36

All: 155.155 $\pm$ 0.018 χ^2 /NDF: 6870488.2/73

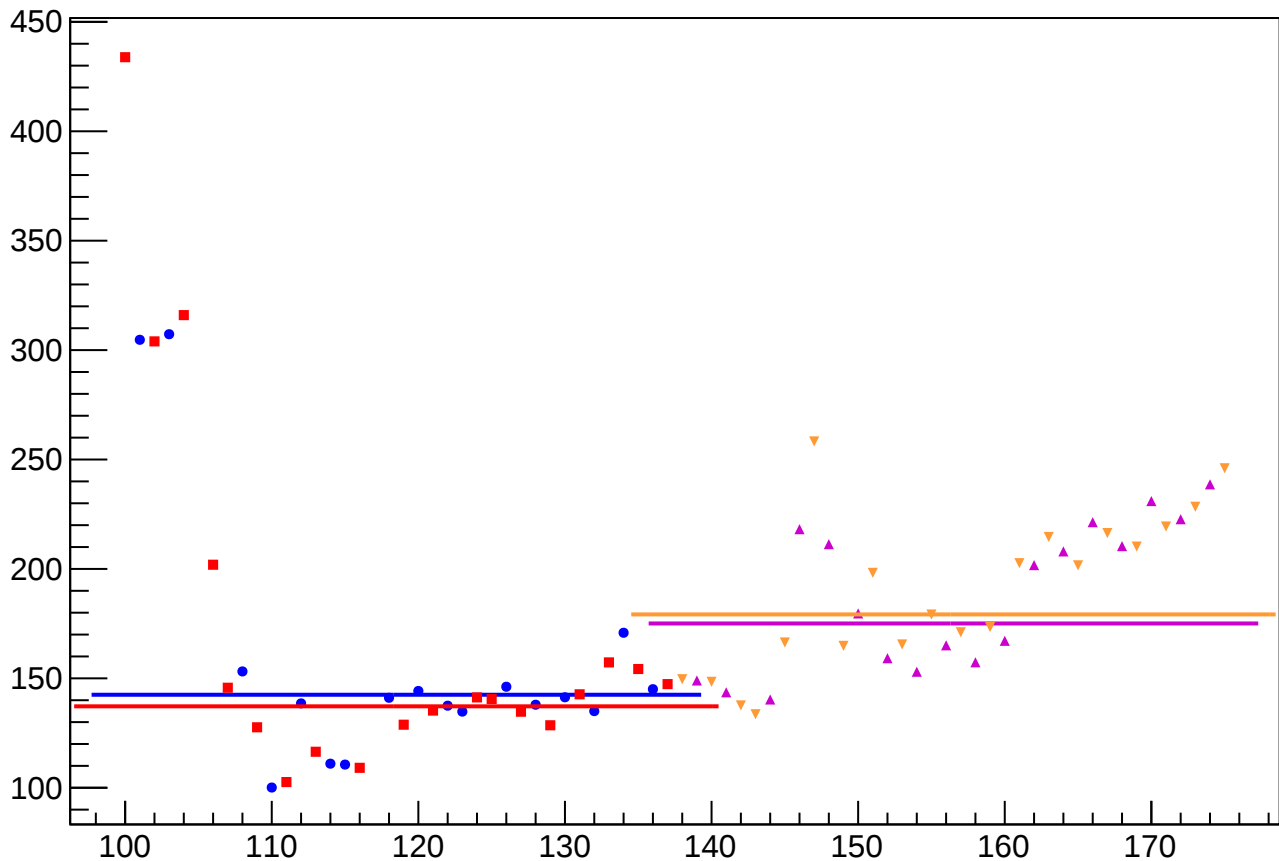
- sign 152.755 $\pm$ 0.025 χ^2 /NDF: 3635292.6/36

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194+/-0.058	χ^2/NDF : 97860521.1/16	+ sign 126370.612+/-0.037	χ^2/NDF : 7230163422.0
Left Out: 125474.929+/-0.048	χ^2/NDF : 6248249618.6/19	All: 126462.991+/-0.026	χ^2/NDF : 136530245
Right Out: 127724.256+/-0.055	χ^2/NDF : 112614317.2/18	- sign 126551.916+/-0.036	χ^2/NDF : 6410483580.2/17
Left In: 125637.870+/-0.048	χ^2/NDF : 5475199256.7/17		

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 179.213 $\pm$ 0.034 χ^2 /NDF: 938412.6/19

Right Out: 137.211 $\pm$ 0.039 χ^2 /NDF: 957317.1/18

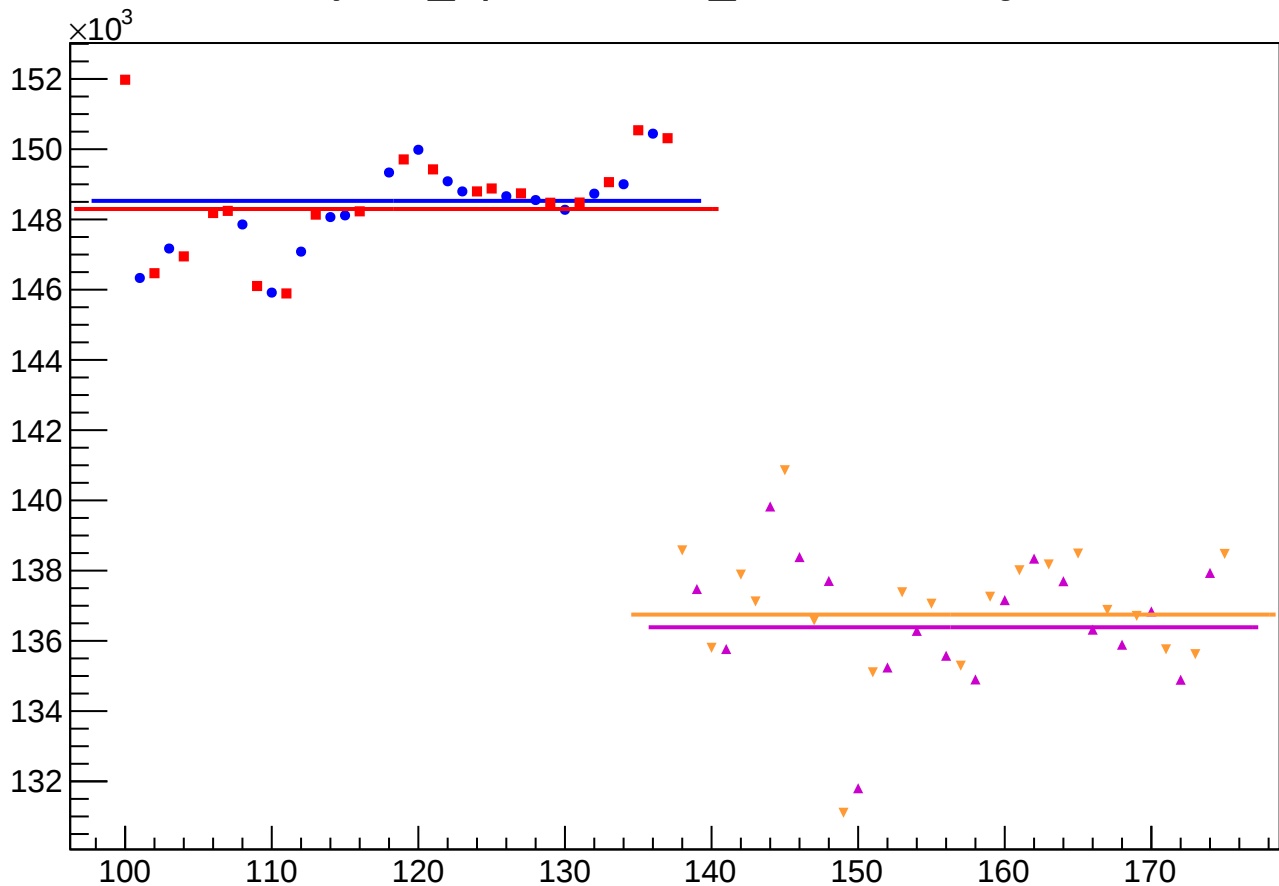
Left In: 175.076 $\pm$ 0.034 χ^2 /NDF: 821382.1/17

+ sign 164.476 $\pm$ 0.026 χ^2 /NDF: 2253304.4/36

All: 161.425 $\pm$ 0.018 χ^2 /NDF: 4600916.1/73

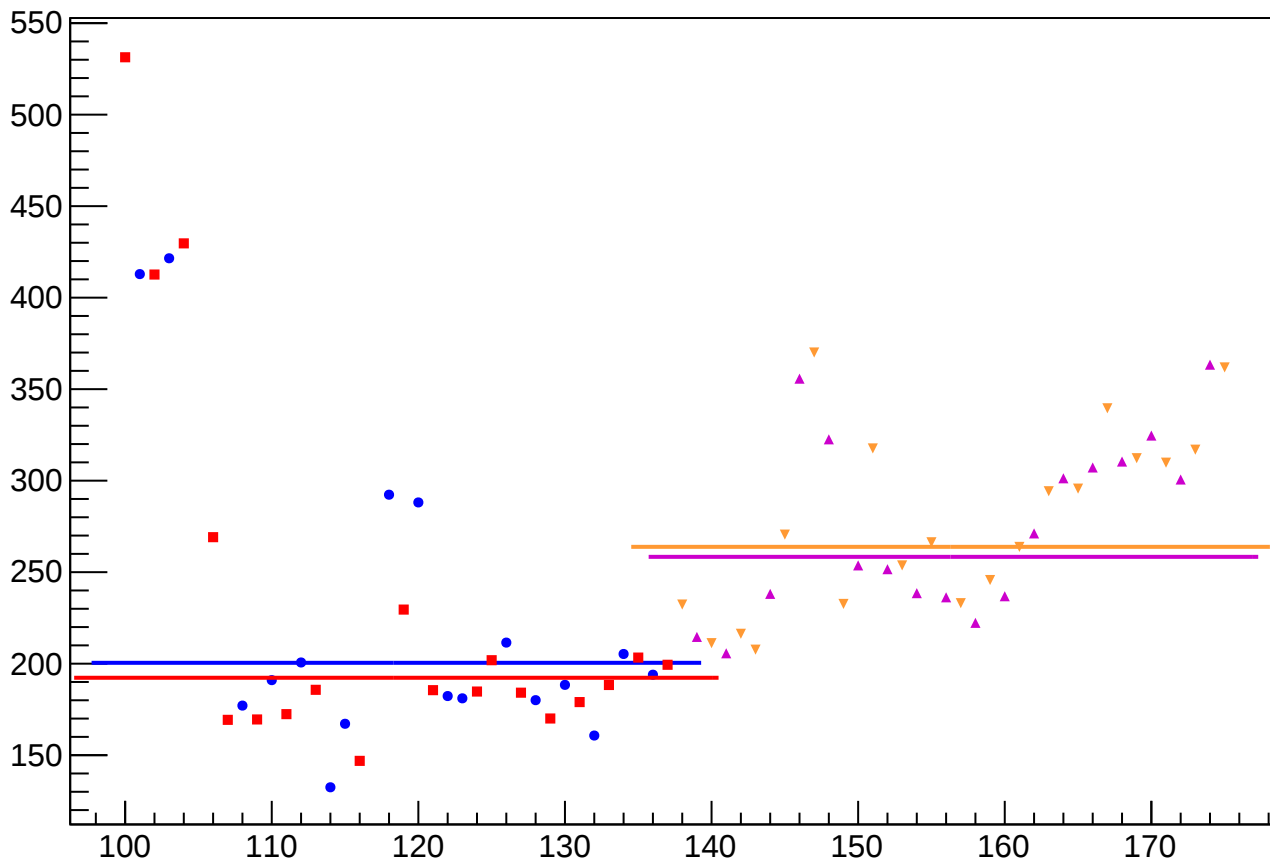
- sign 158.487 $\pm$ 0.026 χ^2 /NDF: 2320603.8/36

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 ± 0.082	$\chi^2/\text{NDF}: 209986594.2/16$	+ sign 141678.368 ± 0.053	$\chi^2/\text{NDF}: 13057493598.$
Left Out: 136748.281 ± 0.070	$\chi^2/\text{NDF}: 866017548.2/19$	All: 141783.832 ± 0.037	$\chi^2/\text{NDF}: 271106616$
Right Out: 148297.126 ± 0.076	$\chi^2/\text{NDF}: 293244556.5/18$	- sign 141884.666 ± 0.052	$\chi^2/\text{NDF}: 14045449477.6$
Left In: 136387.243 ± 0.071	$\chi^2/\text{NDF}: 671803818.3/17$		

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 263.843 $\pm$ 0.049 χ^2 /NDF: 837637.7/19

Right Out: 192.304 $\pm$ 0.054 χ^2 /NDF: 844504.1/18

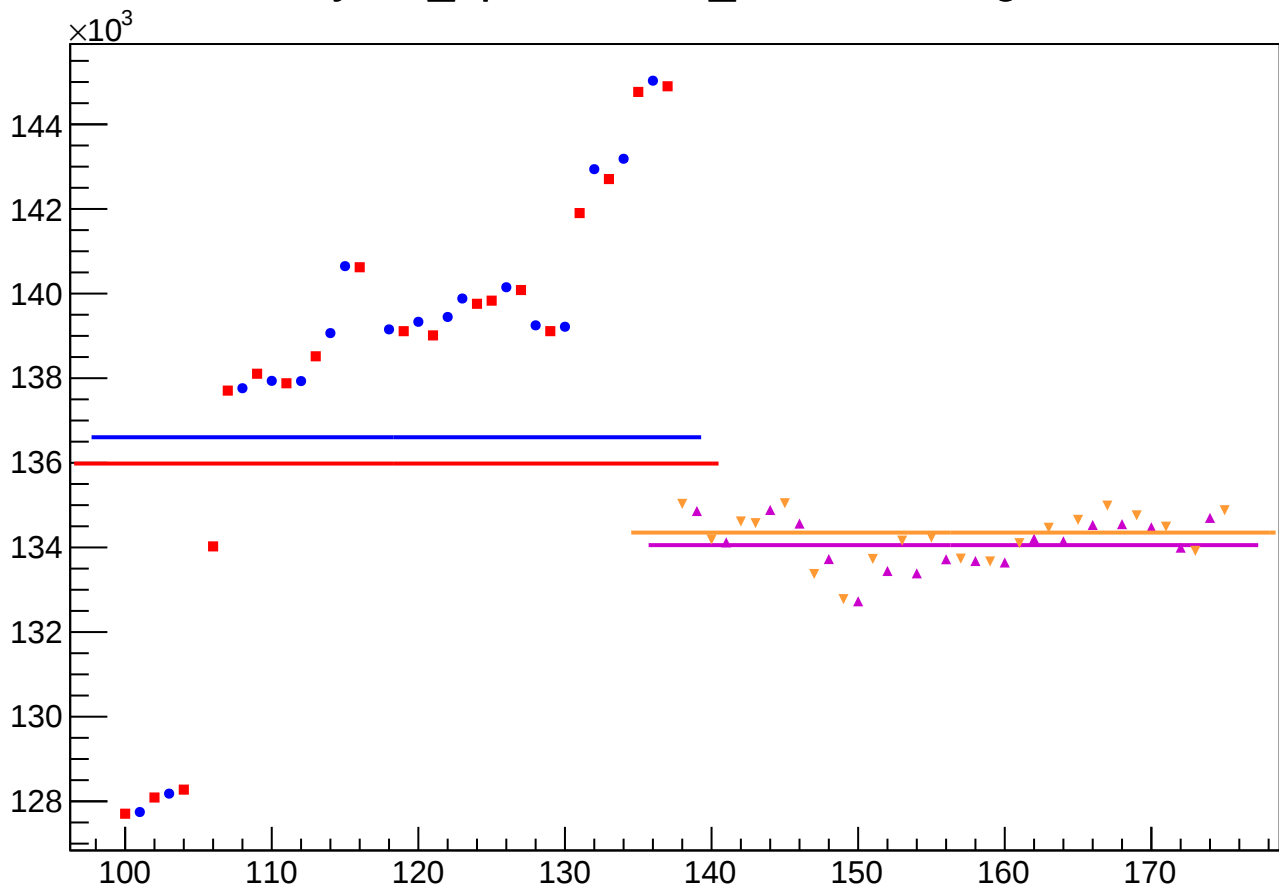
Left In: 258.376 $\pm$ 0.050 χ^2 /NDF: 755837.0/17

+ sign 237.323 $\pm$ 0.038 χ^2 /NDF: 2467598.8/36

All: 232.495 $\pm$ 0.026 χ^2 /NDF: 4905440.4/73

- sign 227.878 $\pm$ 0.037 χ^2 /NDF: 2405486.9/36

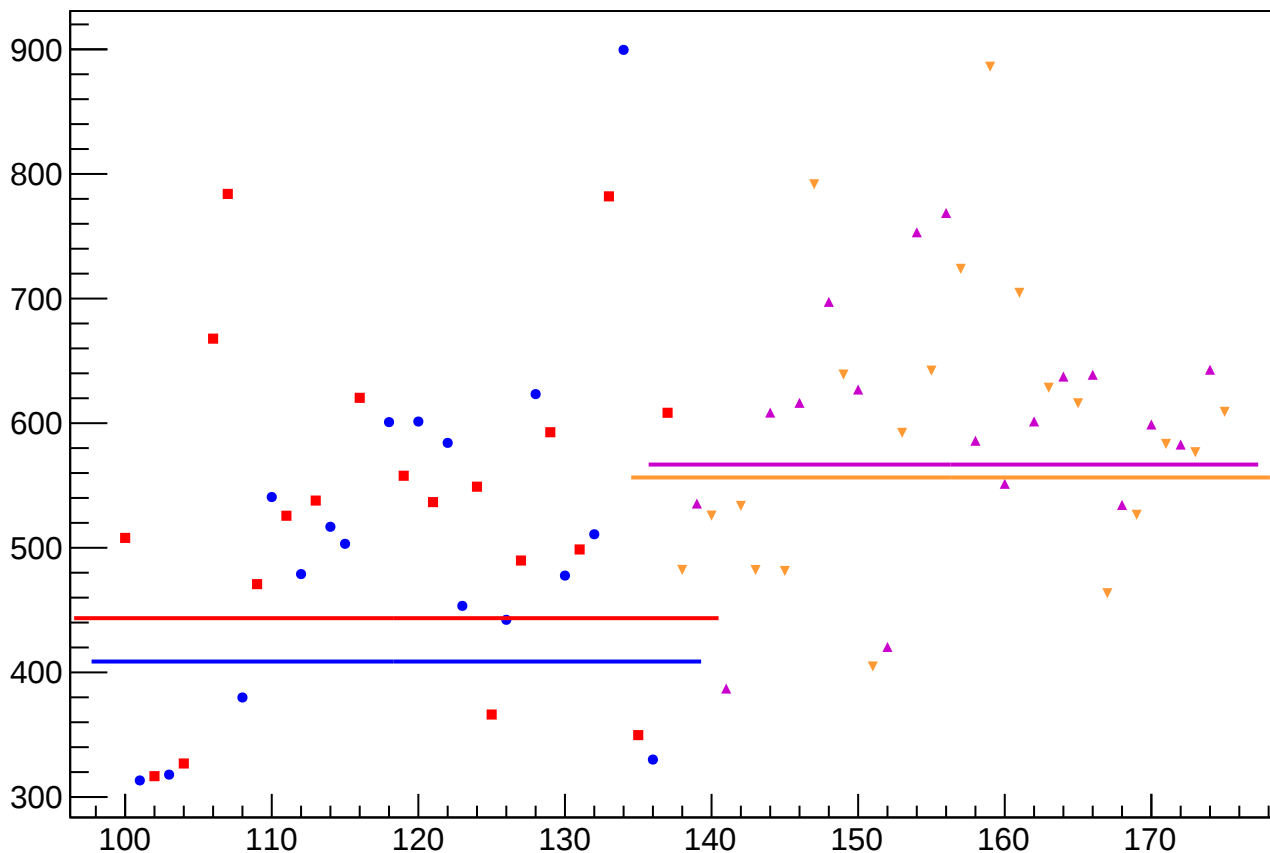
yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16
 Left Out: 134351.264 $\pm$ 0.154 χ^2 /NDF: 14304347.1/19
 Right Out: 135982.842 $\pm$ 0.183 χ^2 /NDF: 1082431147.9/18
 Left In: 134054.898 $\pm$ 0.165 χ^2 /NDF: 11545804.0/17

+ sign 135356.438 $\pm$ 0.115 χ^2 /NDF: 1604355551.7
 All: 135153.593 $\pm$ 0.084 χ^2 /NDF: 276637443
 - sign 134921.501 $\pm$ 0.122 χ^2 /NDF: 1155289678.1

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 $\pm$ 0.121 χ^2 /NDF: 823262.8/16

Left Out: 556.435 $\pm$ 0.109 χ^2 /NDF: 901391.3/19

Right Out: 443.521 $\pm$ 0.129 χ^2 /NDF: 917492.4/18

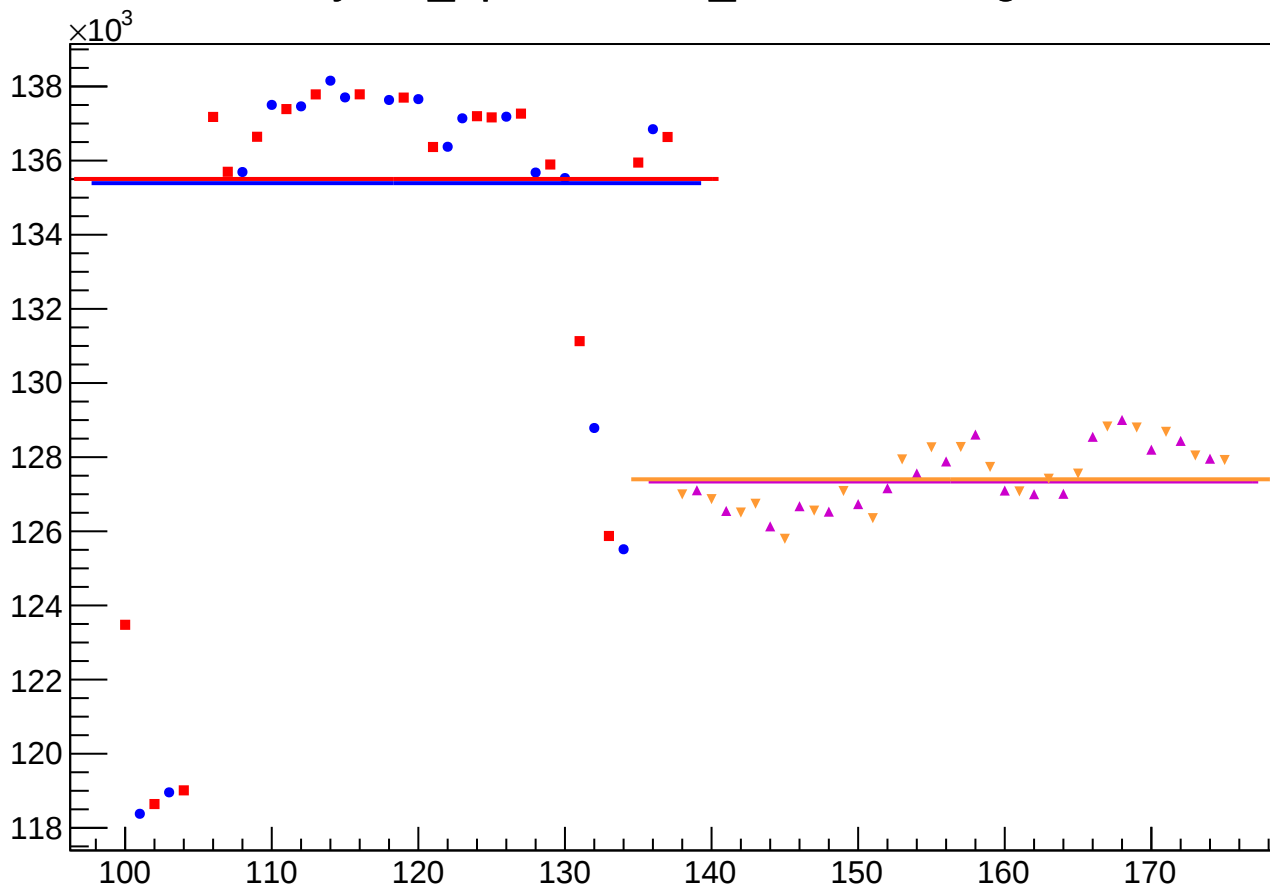
Left In: 566.805 $\pm$ 0.117 χ^2 /NDF: 768715.1/17

+ sign 490.547 $\pm$ 0.081 χ^2 /NDF: 2547008.2/36

All: 500.267 $\pm$ 0.059 χ^2 /NDF: 4765539.6/73

- sign 511.389 $\pm$ 0.087 χ^2 /NDF: 2187627.2/36

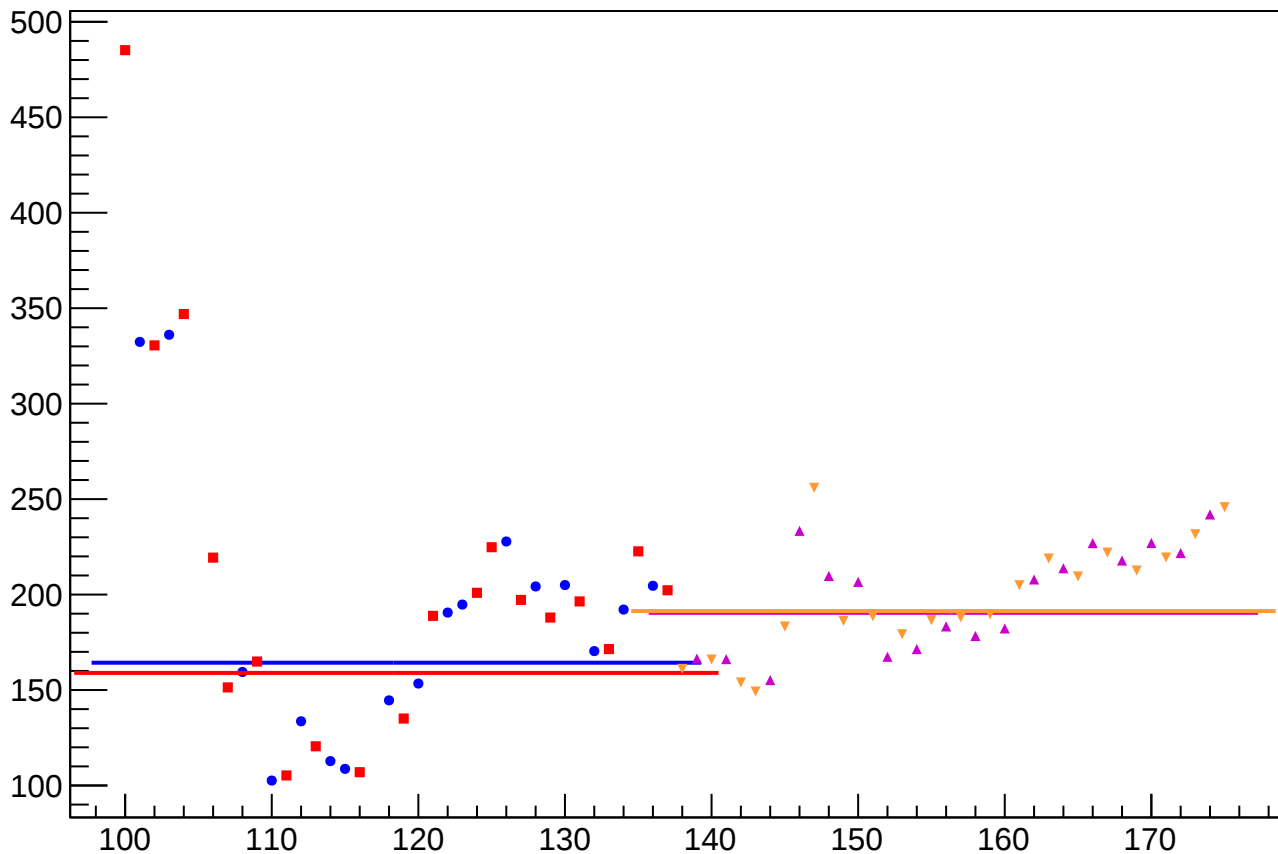
yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16
 Left Out: 127402.869 $\pm$ 0.050 χ^2 /NDF: 278547250.1/19
 Right Out: 135504.836 $\pm$ 0.064 χ^2 /NDF: 4730667469.8/18
 Left In: 127343.054 $\pm$ 0.052 χ^2 /NDF: 249482789.1/17

+ sign 130212.093 $\pm$ 0.040 χ^2 /NDF: 13737604617.0
 All: 130385.979 $\pm$ 0.029 χ^2 /NDF: 284897340.0
 - sign 130559.356 $\pm$ 0.040 χ^2 /NDF: 14715280445.5

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 ± 0.048 χ^2/NDF : 1230487.8/16

Left Out: 191.355 ± 0.036 χ^2/NDF : 586286.6/19

Right Out: 158.977 ± 0.046 χ^2/NDF : 1384059.2/18

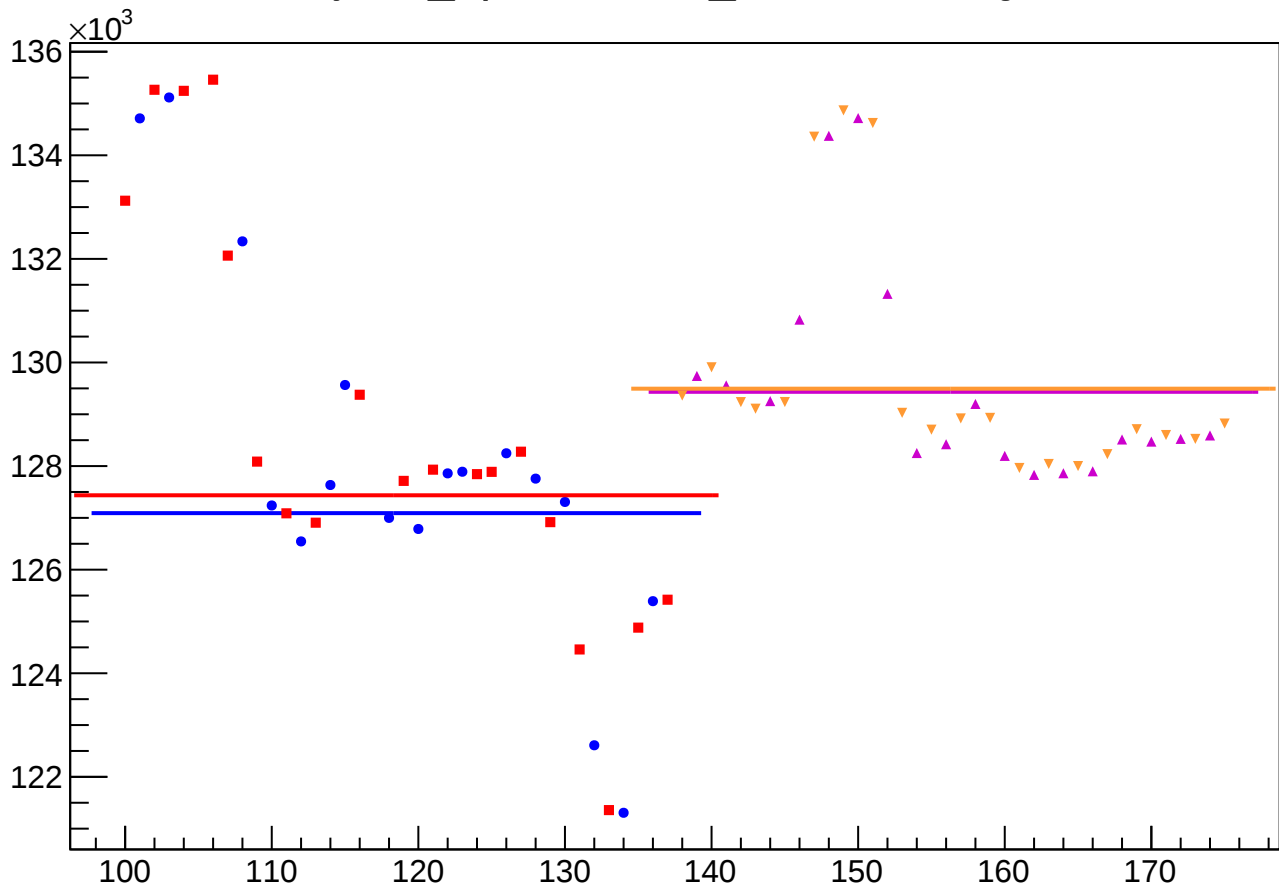
Left In: 190.435 ± 0.037 χ^2/NDF : 505628.6/17

+ sign 181.845 ± 0.029 χ^2/NDF : 2020286.9/36

All: 179.939 ± 0.020 χ^2/NDF : 4208067.0/73

- sign 178.039 ± 0.029 χ^2/NDF : 2178925.9/36

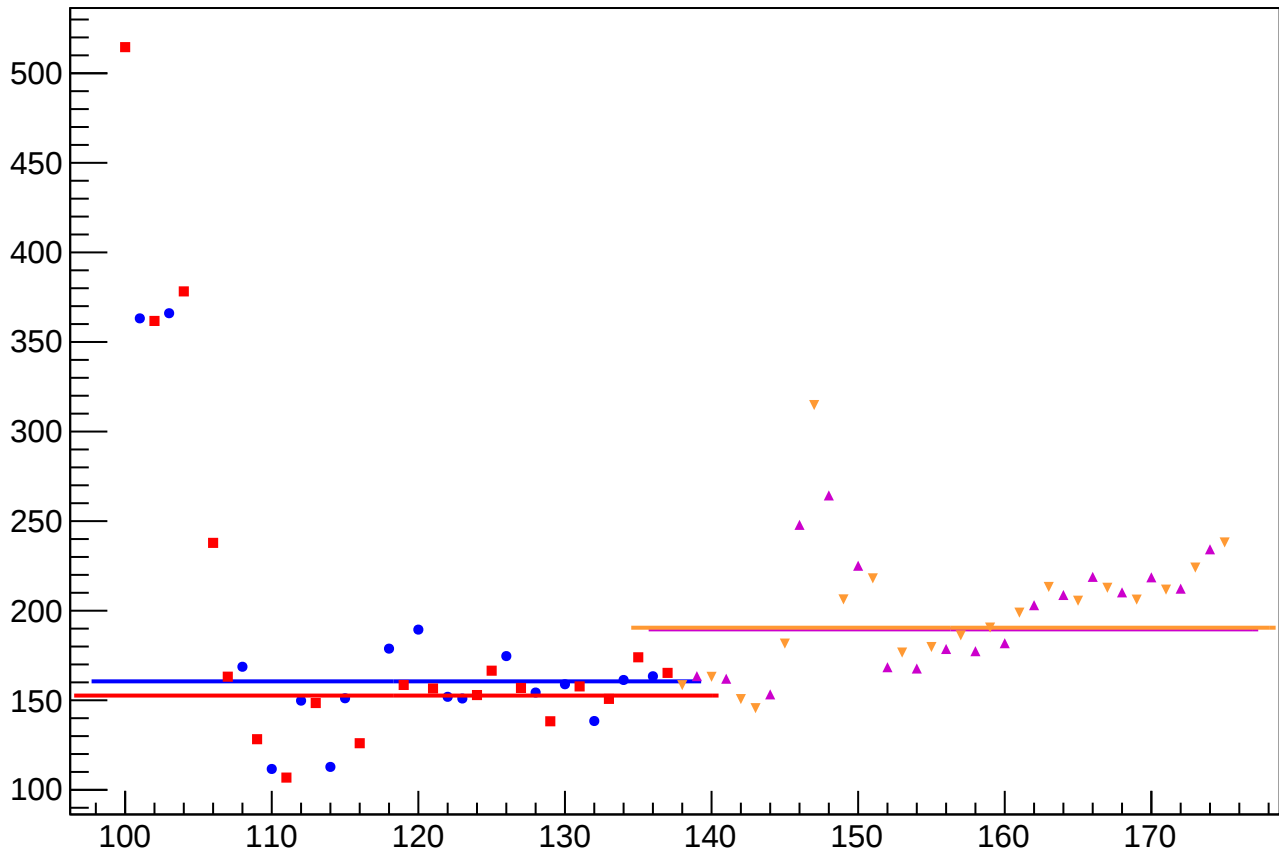
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$
 Left Out: 129494.224 ± 0.050 $\chi^2/\text{NDF}: 1374841513.6/19$
 Right Out: 127436.101 ± 0.062 $\chi^2/\text{NDF}: 2079075713.9/18$
 Left In: 129433.932 ± 0.052 $\chi^2/\text{NDF}: 1134434957.3/17$

+ sign 128616.880 ± 0.040 $\chi^2/\text{NDF}: 3925748603.8$
 All: 128610.565 ± 0.028 $\chi^2/\text{NDF}: 775550854$
 - sign 128604.377 ± 0.040 $\chi^2/\text{NDF}: 3829710748.9$

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 $\pm$ 0.047 χ^2 /NDF: 942747.0/16

Left Out: 190.510 $\pm$ 0.036 χ^2 /NDF: 742928.7/19

Right Out: 152.629 $\pm$ 0.044 χ^2 /NDF: 1086504.4/18

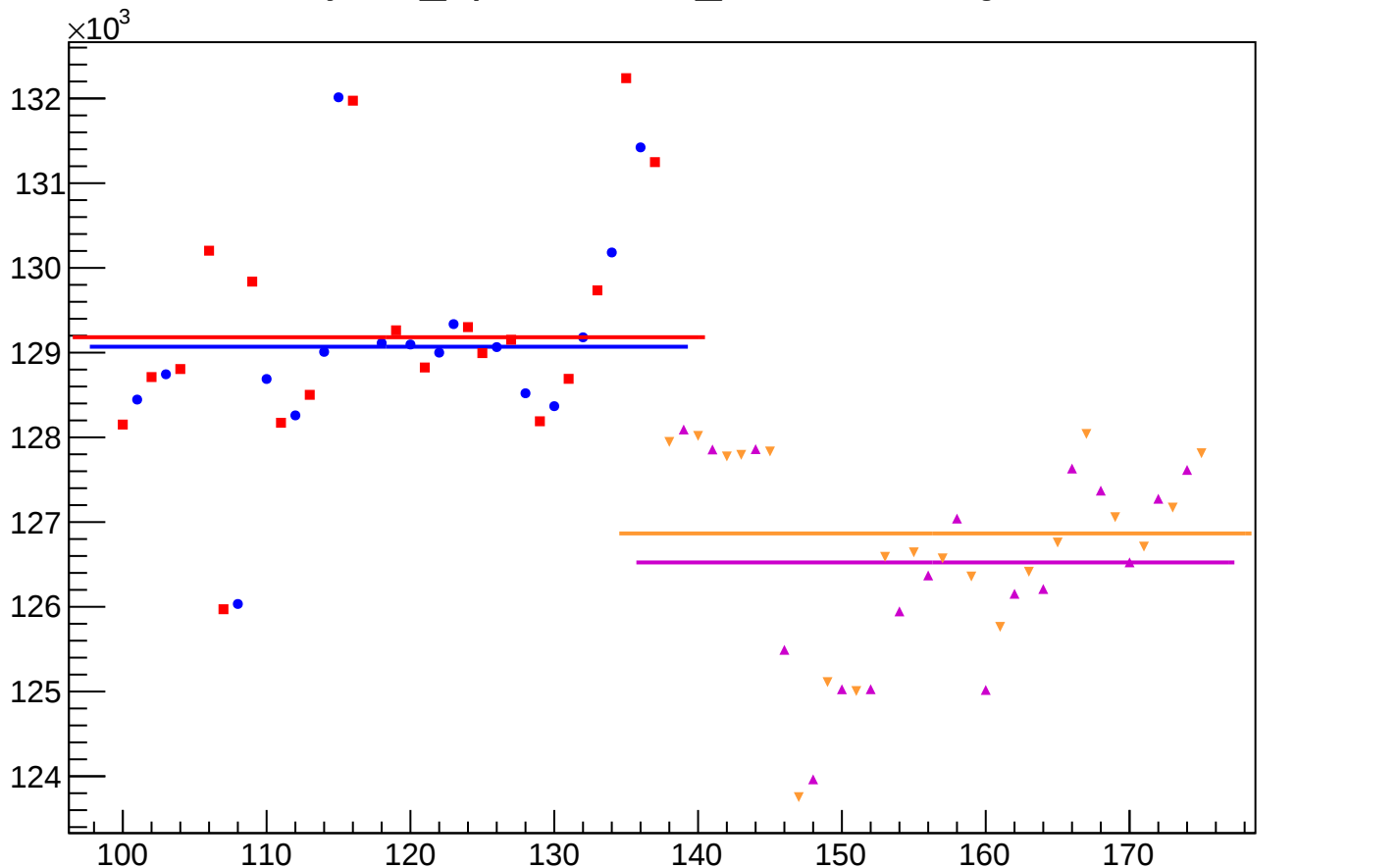
Left In: 189.577 $\pm$ 0.037 χ^2 /NDF: 649540.1/17

+ sign 179.575 $\pm$ 0.028 χ^2 /NDF: 1944675.1/36

All: 176.878 $\pm$ 0.020 χ^2 /NDF: 4120191.6/73

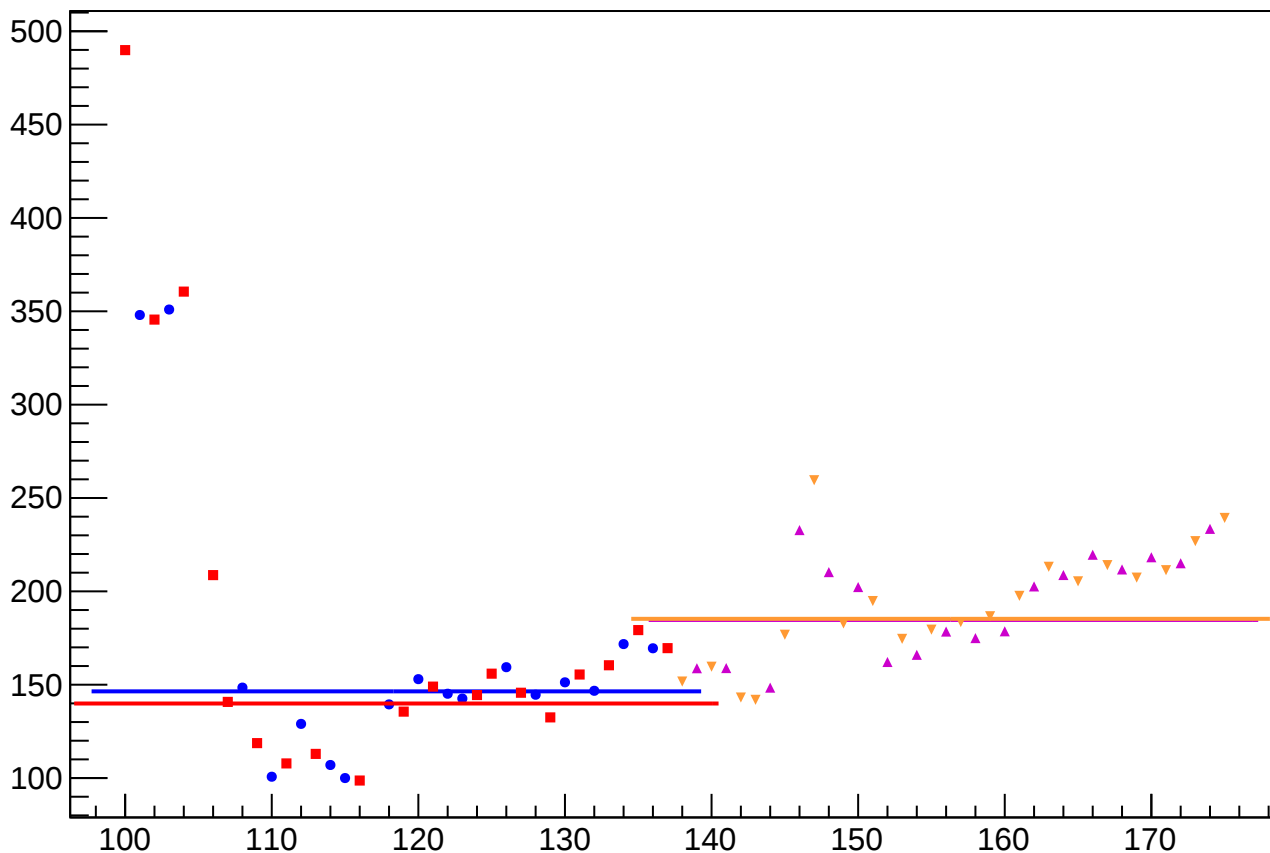
- sign 174.235 $\pm$ 0.028 χ^2 /NDF: 2157570.2/36

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060	$\chi^2/\text{NDF}: 476692316.5/16$	+ sign 127739.855 ± 0.038	$\chi^2/\text{NDF}: 1763626680.1$
Left Out: 126865.936 ± 0.049	$\chi^2/\text{NDF}: 477487301.5/19$	All: 127725.280 ± 0.027	$\chi^2/\text{NDF}: 420115658$
Right Out: 129181.887 ± 0.056	$\chi^2/\text{NDF}: 625597399.6/18$	- sign 127711.013 ± 0.037	$\chi^2/\text{NDF}: 2437237108.6/$
Left In: 126523.680 ± 0.050	$\chi^2/\text{NDF}: 568926407.6/17$		

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 $\pm$ 0.043 χ^2 /NDF: 1064791.0/16

Left Out: 185.283 $\pm$ 0.034 χ^2 /NDF: 691401.1/19

Right Out: 139.929 $\pm$ 0.040 χ^2 /NDF: 1203570.9/18

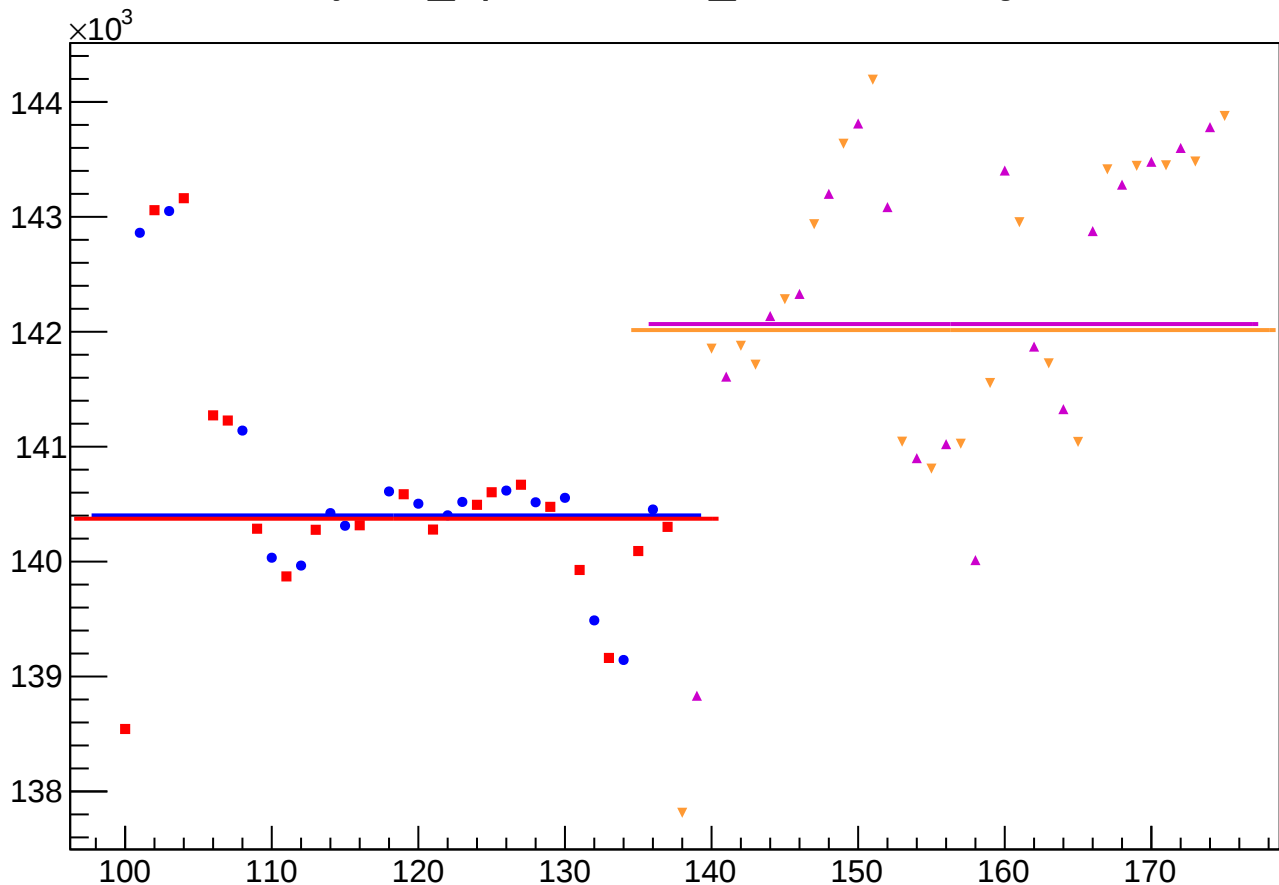
Left In: 184.669 $\pm$ 0.036 χ^2 /NDF: 556055.5/17

+ sign 169.879 $\pm$ 0.027 χ^2 /NDF: 2259222.7/36

All: 167.254 $\pm$ 0.019 χ^2 /NDF: 4741910.2/73

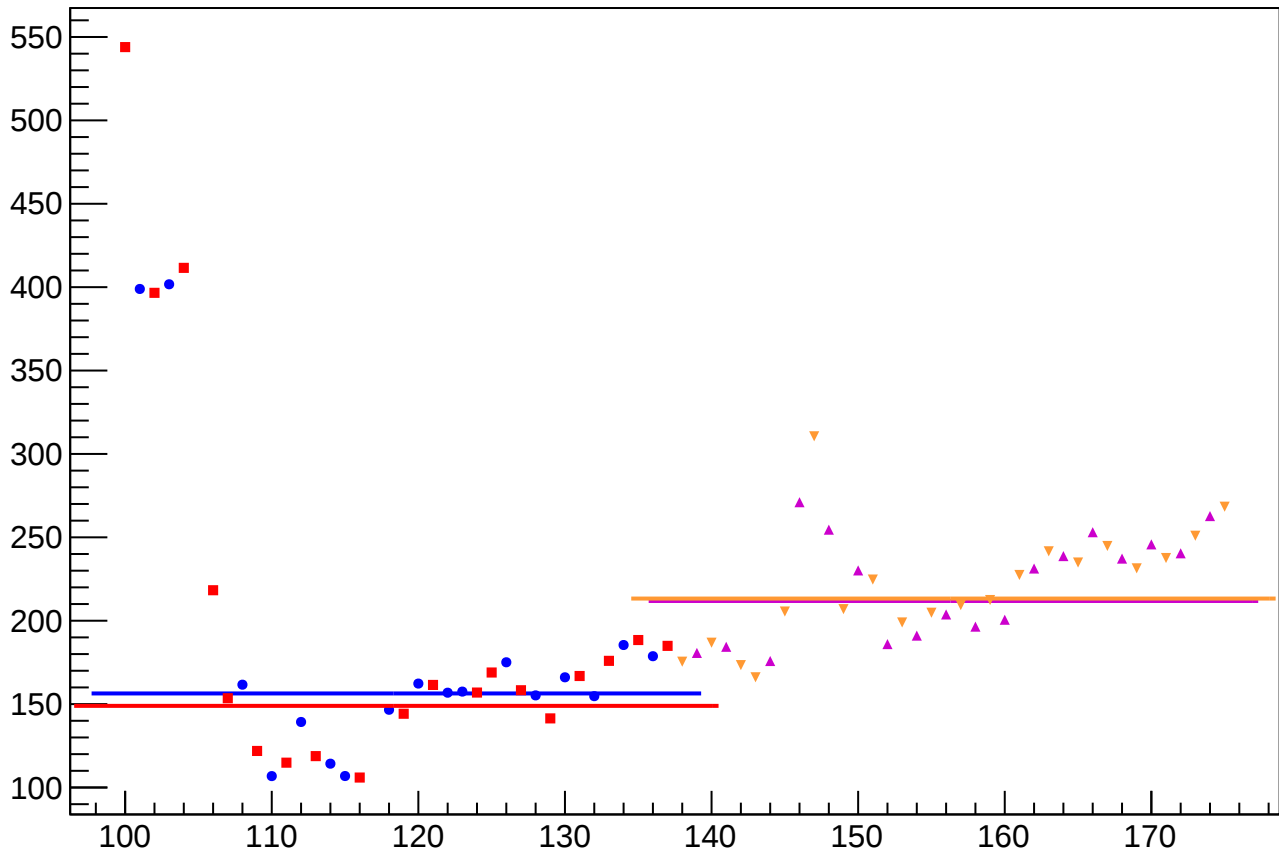
- sign 164.685 $\pm$ 0.027 χ^2 /NDF: 2463701.7/36

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010+/-0.064	χ^2/NDF : 88071774.7/16	+ sign 141317.617+/-0.042	χ^2/NDF : 1218760833.9
Left Out: 142014.760+/-0.056	χ^2/NDF : 774066592.0/19	All: 141282.839+/-0.030	χ^2/NDF : 233835473
Right Out: 140373.163+/-0.060	χ^2/NDF : 99854533.3/18	- sign 141249.232+/-0.042	χ^2/NDF : 1118265157.9
Left In: 142067.199+/-0.058	χ^2/NDF : 604106041.2/17		

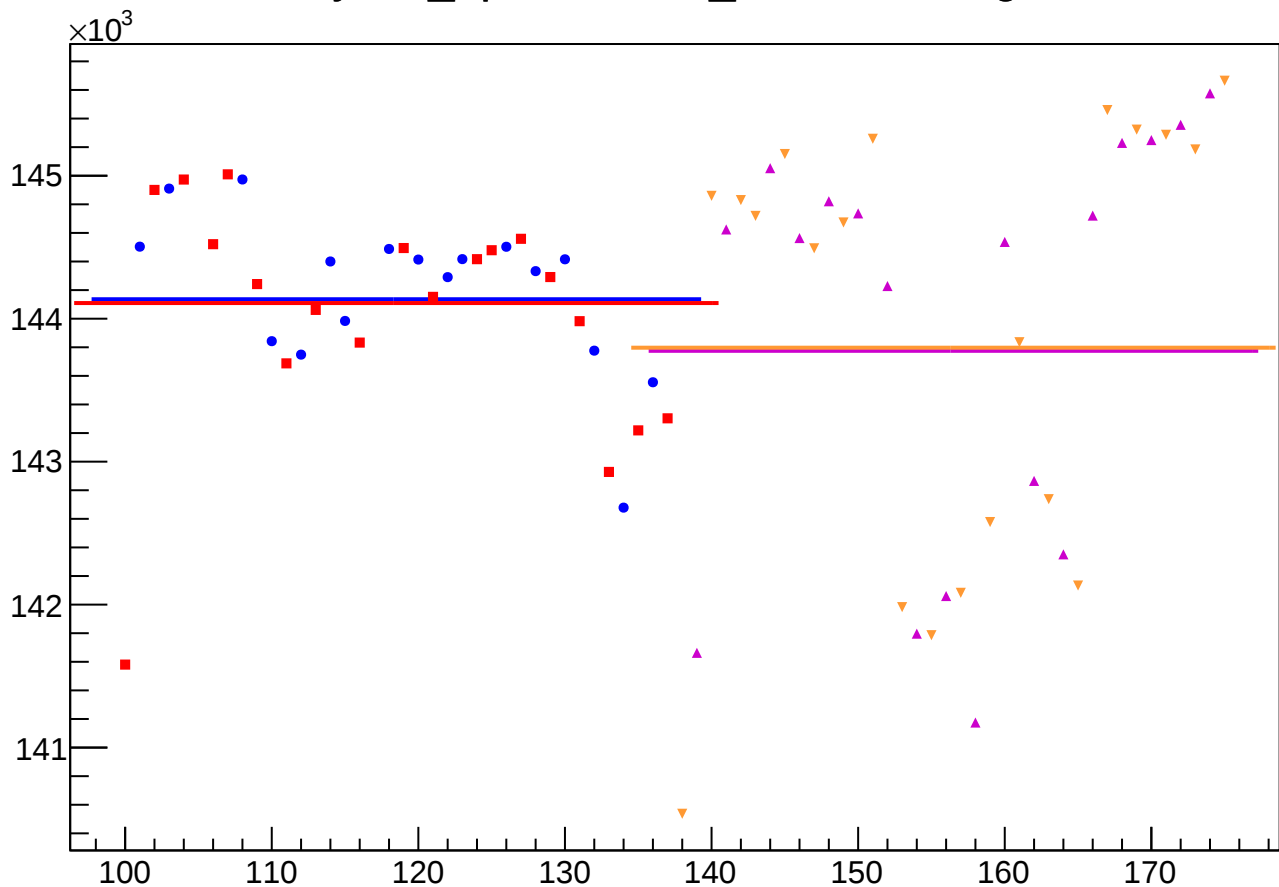
yield_bpm0l07WS_rms vs Slug



Right In: 156.394 ± 0.046 χ^2/NDF : 1154804.2/16
 Left Out: 213.288 ± 0.040 χ^2/NDF : 604986.3/19
 Right Out: 148.949 ± 0.042 χ^2/NDF : 1307651.5/18
 Left In: 211.837 ± 0.041 χ^2/NDF : 522701.1/17

+ sign 188.694 ± 0.030 χ^2/NDF : 2647442.3/36
 All: 185.021 ± 0.021 χ^2/NDF : 5649366.6/73
 - sign 181.472 ± 0.029 χ^2/NDF : 2972281.3/36

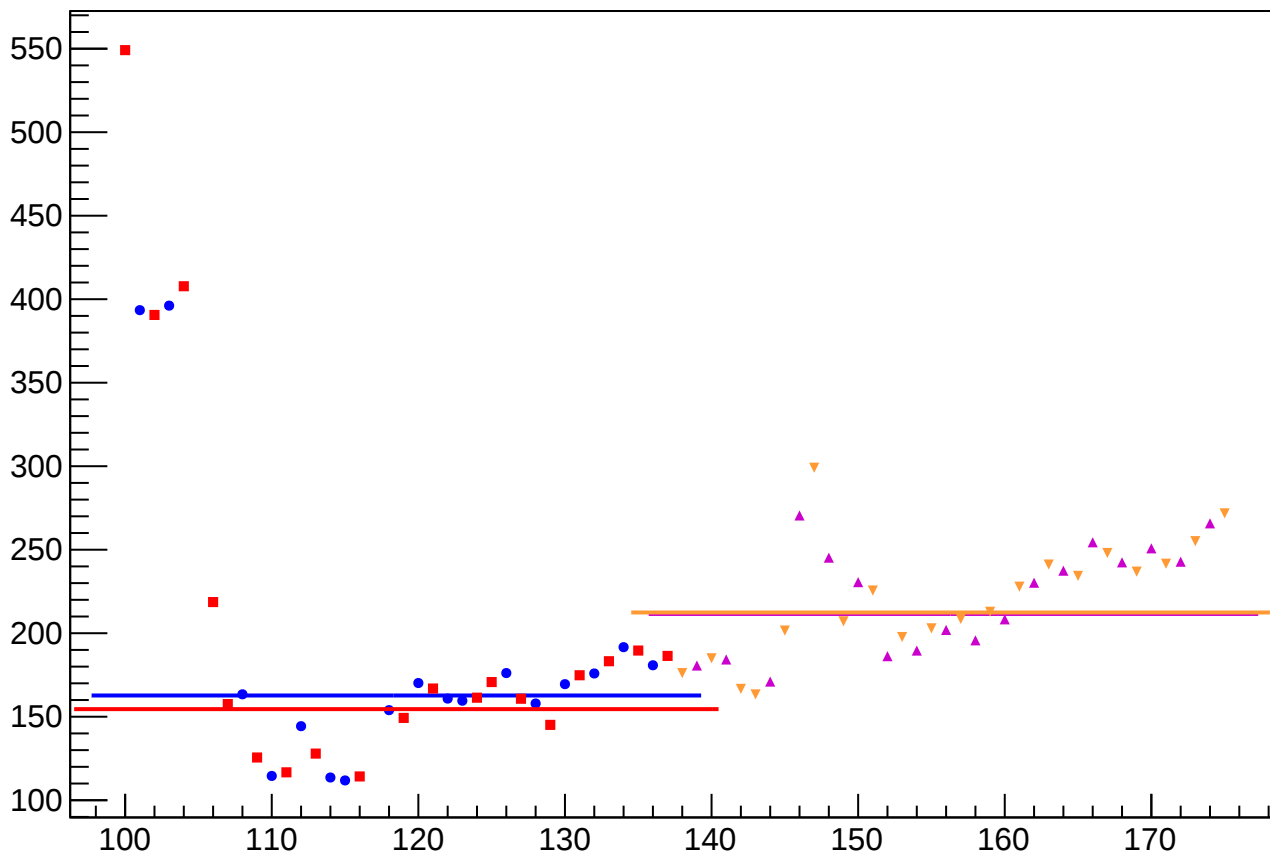
yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 ± 0.067 $\chi^2/\text{NDF}: 47069480.3/16$
 Left Out: 143797.145 ± 0.056 $\chi^2/\text{NDF}: 806293110.3/19$
 Right Out: 144109.419 ± 0.062 $\chi^2/\text{NDF}: 65258627.2/18$
 Left In: 143775.352 ± 0.058 $\chi^2/\text{NDF}: 656416331.0/17$

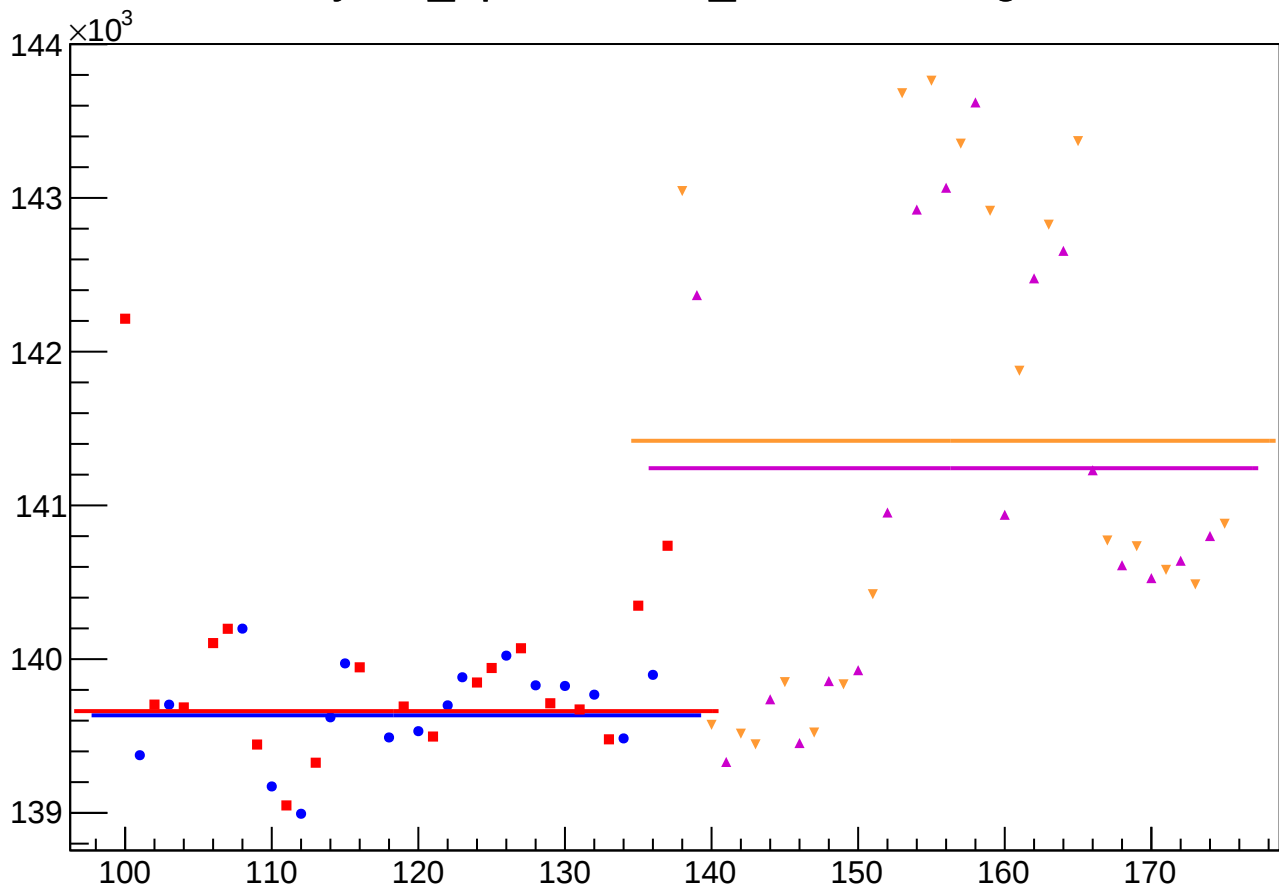
+ sign 143936.954 ± 0.043 $\chi^2/\text{NDF}: 868505918.4/3$
 All: 143933.954 ± 0.030 $\chi^2/\text{NDF}: 160575853$
 - sign 143931.044 ± 0.042 $\chi^2/\text{NDF}: 737242975.8/3$

yield_bpm0l08WS_rms vs Slug



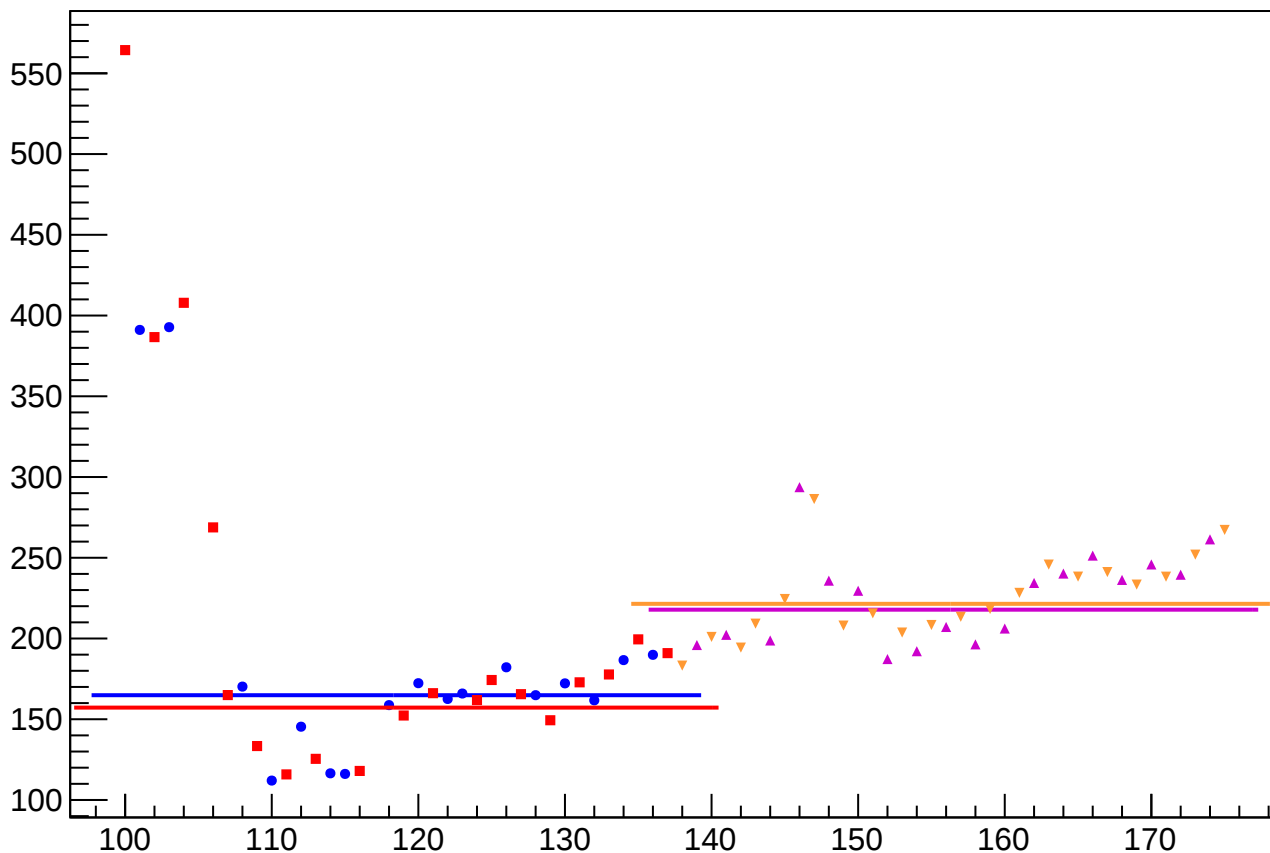
Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16
 Left Out: 212.420 $\pm$ 0.040 χ^2 /NDF:655343.6/19
 Right Out: 154.547 $\pm$ 0.044 χ^2 /NDF: 1217495.9/18
 Left In: 211.534 $\pm$ 0.041 χ^2 /NDF:556120.6/17
 + sign 191.919 $\pm$ 0.030 χ^2 /NDF: 2373074.0/36
 All: 188.395 $\pm$ 0.021 χ^2 /NDF: 5079347.1/73
 - sign 184.975 $\pm$ 0.030 χ^2 /NDF: 2679650.9/36

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700+/-0.068	χ^2/NDF : 24844912.0/16	+ sign 140666.413+/-0.044	χ^2/NDF : 1171174987.1
Left Out: 141420.354+/-0.058	χ^2/NDF : 745277814.4/19	All: 140581.465+/-0.031	χ^2/NDF : 208258166
Right Out: 139661.970+/-0.063	χ^2/NDF : 38372985.0/18	- sign 140499.700+/-0.043	χ^2/NDF : 904104957.2/3
Left In: 141242.040+/-0.059	χ^2/NDF : 532614054.0/17		

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 $\pm$ 0.048 χ^2 /NDF: 1066270.8/16

Left Out: 221.469 $\pm$ 0.041 χ^2 /NDF: 320949.2/19

Right Out: 157.207 $\pm$ 0.045 χ^2 /NDF: 1245030.9/18

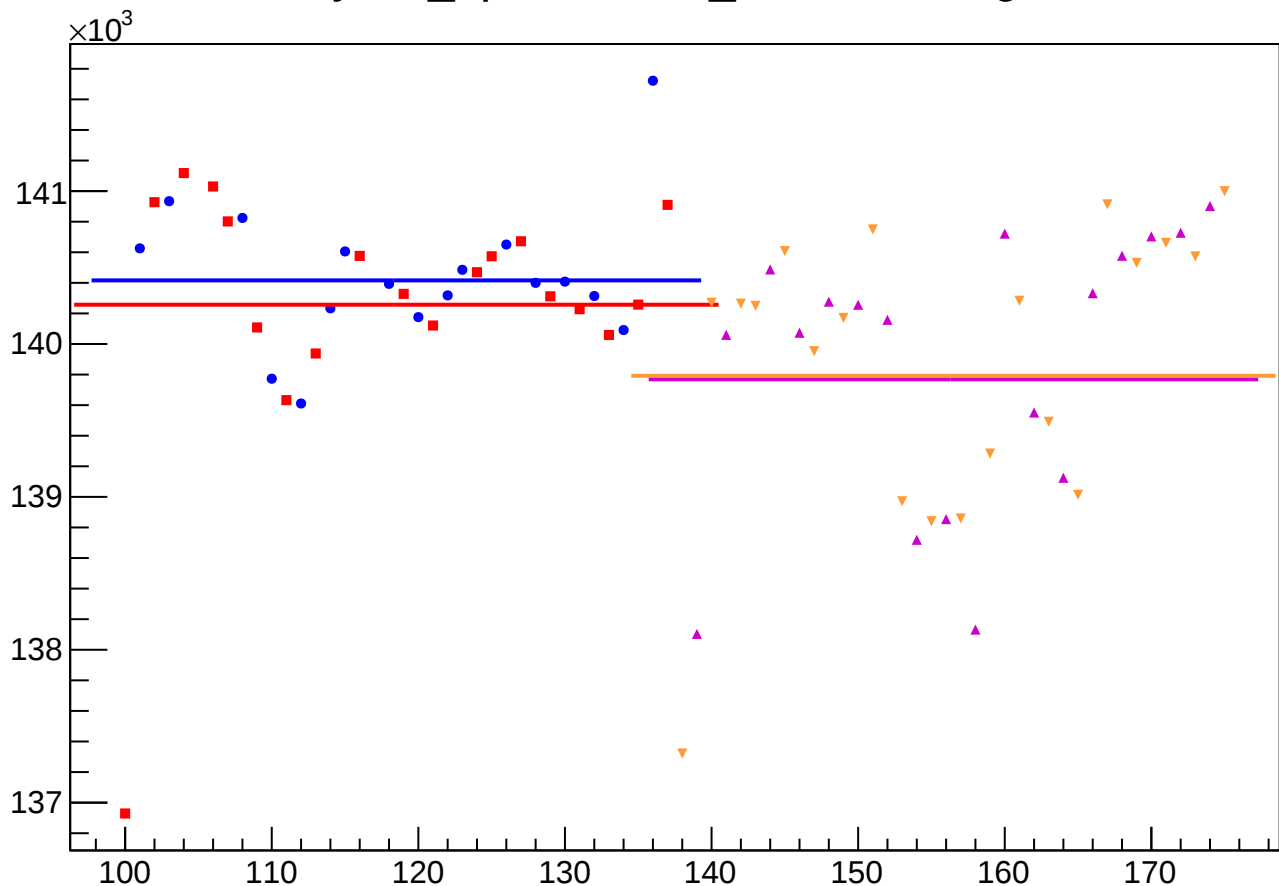
Left In: 217.845 $\pm$ 0.042 χ^2 /NDF: 380039.2/17

+ sign 197.578 $\pm$ 0.031 χ^2 /NDF: 2192651.4/36

All: 193.388 $\pm$ 0.022 χ^2 /NDF: 4834433.4/73

- sign 189.356 $\pm$ 0.031 χ^2 /NDF: 2606269.2/36

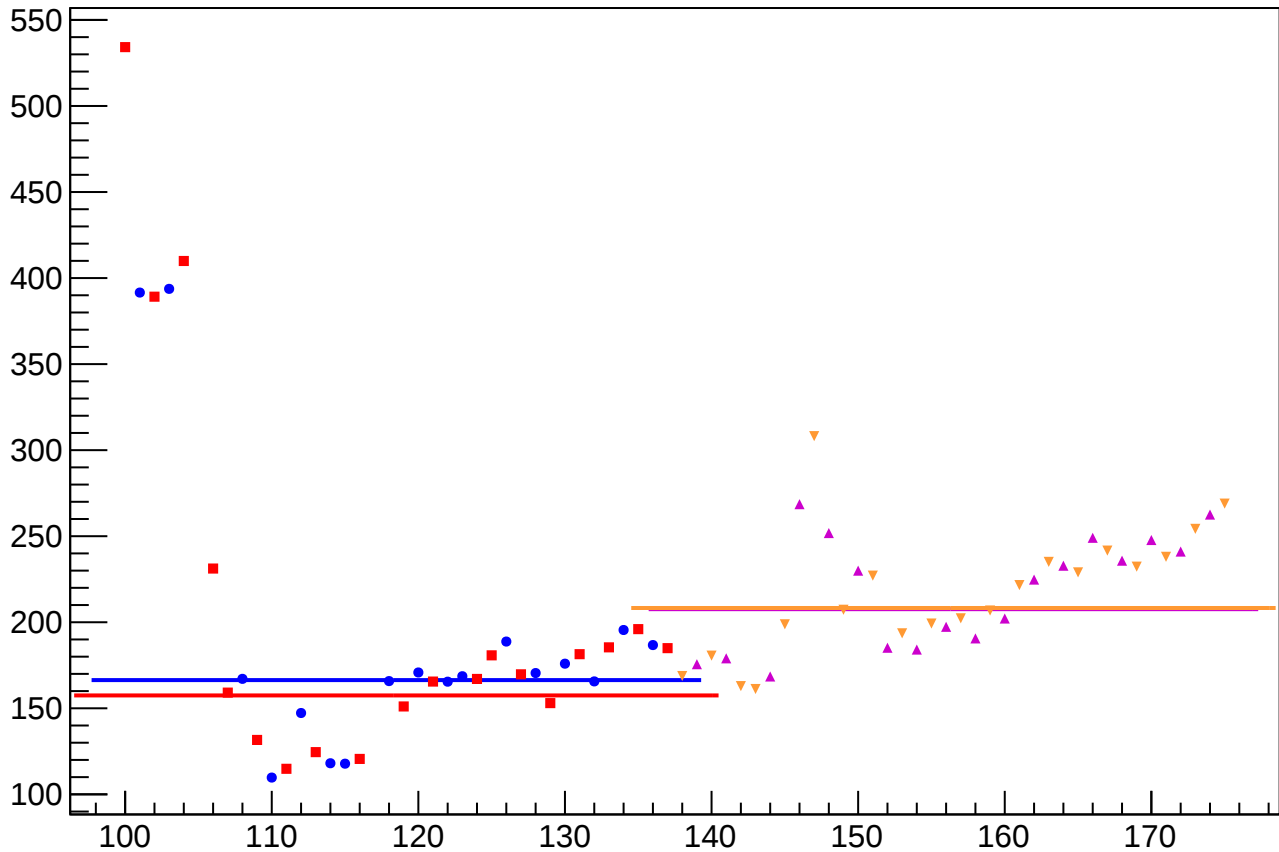
yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 ± 0.068 $\chi^2/\text{NDF}: 69975821.3/16$
 Left Out: 139791.809 ± 0.055 $\chi^2/\text{NDF}: 318202446.6/19$
 Right Out: 140256.992 ± 0.063 $\chi^2/\text{NDF}: 38063371.4/18$
 Left In: 139769.042 ± 0.057 $\chi^2/\text{NDF}: 264212055.7/17$

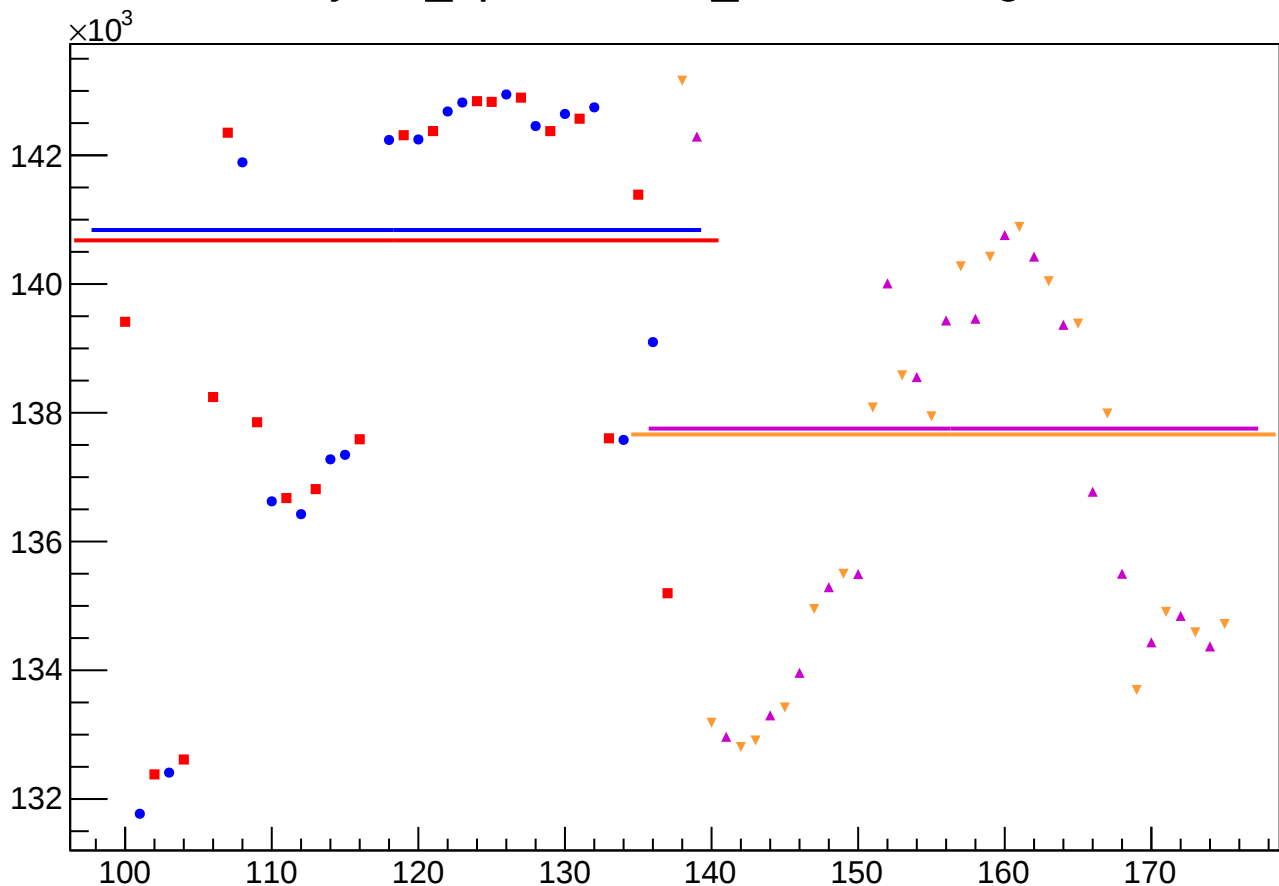
+ sign 140036.238 ± 0.043 $\chi^2/\text{NDF}: 438866947.0/3$
 All: 140011.258 ± 0.030 $\chi^2/\text{NDF}: 774859822.0/3$
 - sign 139986.972 ± 0.042 $\chi^2/\text{NDF}: 335320971.4/3$

yield_bpm0l10WS_rms vs Slug



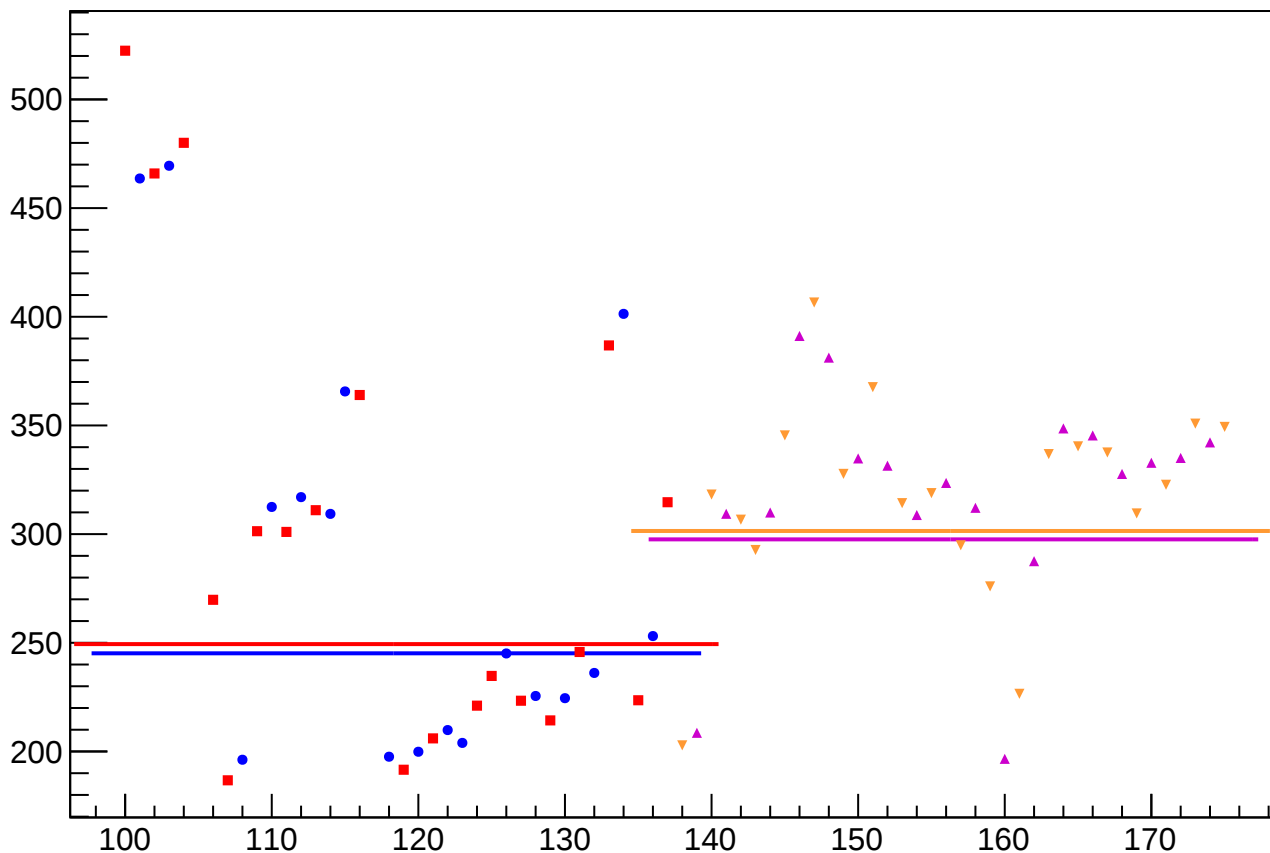
Right In: 166.388 ± 0.048 $\chi^2/\text{NDF}: 1080964.8/16$ + sign 191.880 ± 0.030 $\chi^2/\text{NDF}: 2254284.6/36$
Left Out: 208.285 ± 0.039 $\chi^2/\text{NDF}: 716670.2/19$ All: 188.499 ± 0.021 $\chi^2/\text{NDF}: 4806998.7/73$
Right Out: 157.475 ± 0.045 $\chi^2/\text{NDF}: 1229886.8/18$ - sign 185.213 ± 0.030 $\chi^2/\text{NDF}: 2528104.6/36$
Left In: 207.600 ± 0.040 $\chi^2/\text{NDF}: 600800.0/17$

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100	χ^2 /NDF: 822682996.3/16	+ sign 138903.663 $\pm$ 0.062	χ^2 /NDF: 3196231932.9
Left Out: 137663.584 $\pm$ 0.080	χ^2 /NDF: 1759075011.7/19	All: 138926.370 $\pm$ 0.044	χ^2 /NDF: 595915357
Right Out: 140678.513 $\pm$ 0.099	χ^2 /NDF: 840695274.4/18	- sign 138949.710 $\pm$ 0.063	χ^2 /NDF: 2762653948.4
Left In: 137754.210 $\pm$ 0.082	χ^2 /NDF: 1407185266.1/17		

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 $\pm$ 0.071 χ^2 /NDF: 869491.6/16

Left Out: 301.446 $\pm$ 0.057 χ^2 /NDF: 835810.4/19

Right Out: 249.397 $\pm$ 0.070 χ^2 /NDF: 1009731.2/18

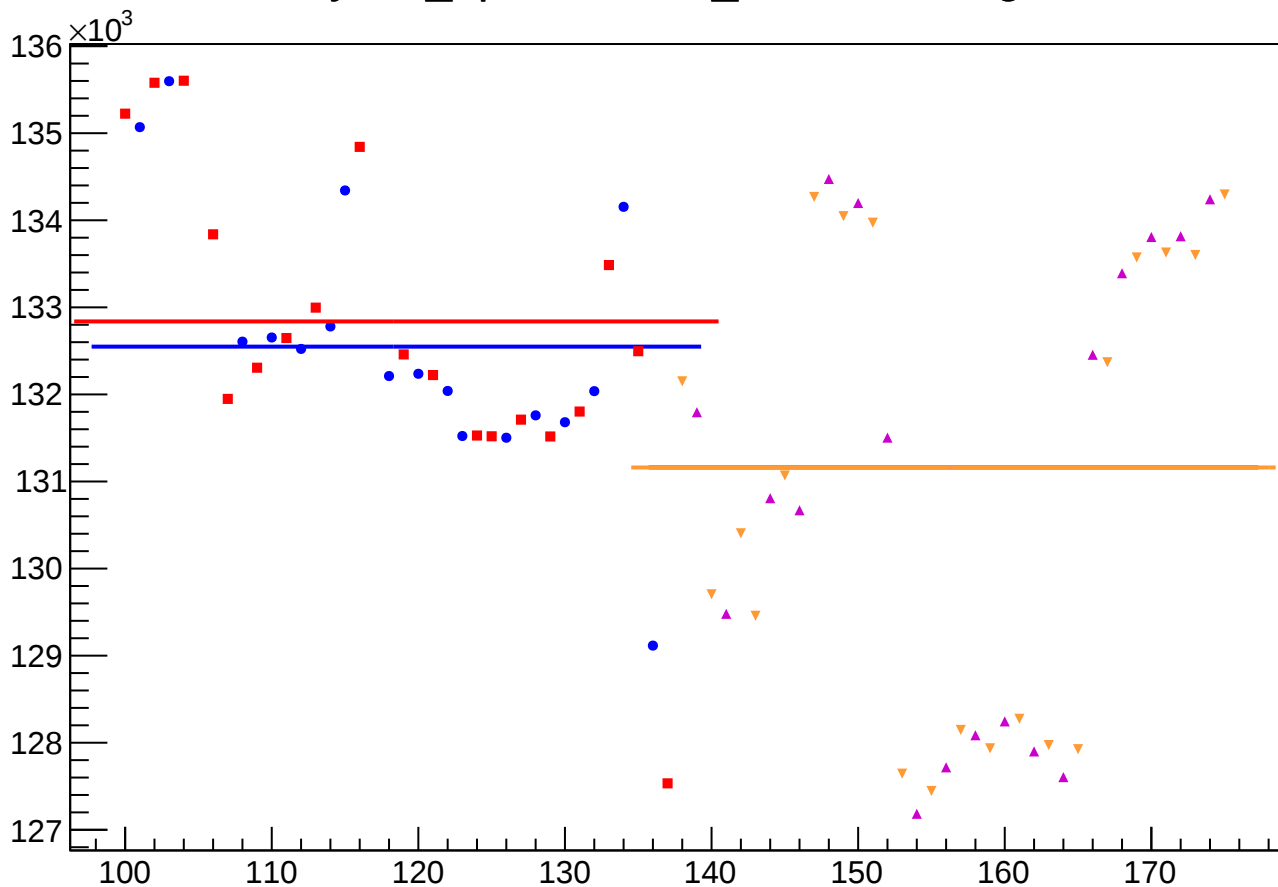
Left In: 297.584 $\pm$ 0.058 χ^2 /NDF: 992173.2/17

+ sign 279.465 $\pm$ 0.044 χ^2 /NDF: 2091413.5/36

All: 278.686 $\pm$ 0.031 χ^2 /NDF: 4373501.1/73

- sign 277.884 $\pm$ 0.045 χ^2 /NDF: 2281456.3/36

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16

Left Out: 131161.072 $\pm$ 0.068 χ^2 /NDF: 1153771096.1/19

Right Out: 132838.294 $\pm$ 0.107 χ^2 /NDF: 149611447.6/18

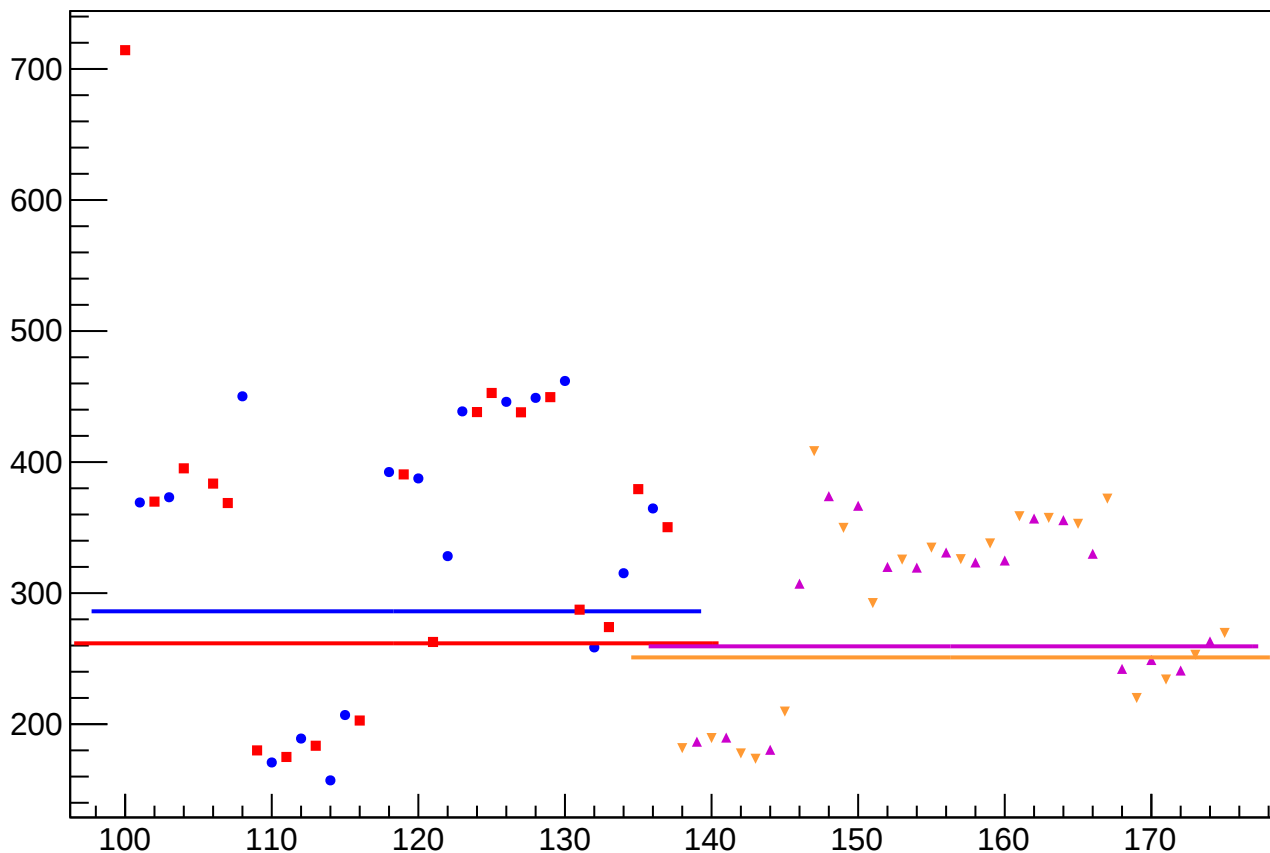
Left In: 131161.561 $\pm$ 0.073 χ^2 /NDF: 1020058365.5/17

+ sign 131501.189 $\pm$ 0.059 χ^2 /NDF: 1416925715.3

All: 131593.550 $\pm$ 0.042 χ^2 /NDF: 27595675

- sign 131688.974 $\pm$ 0.060 χ^2 /NDF: 1337675317.3

yield_bpm0r05WS_rms vs Slug



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 250.948+/-0.048 χ^2/NDF :2146832.5/19

Right Out: 261.686+/-0.076 χ^2/NDF : 1623174.1/18

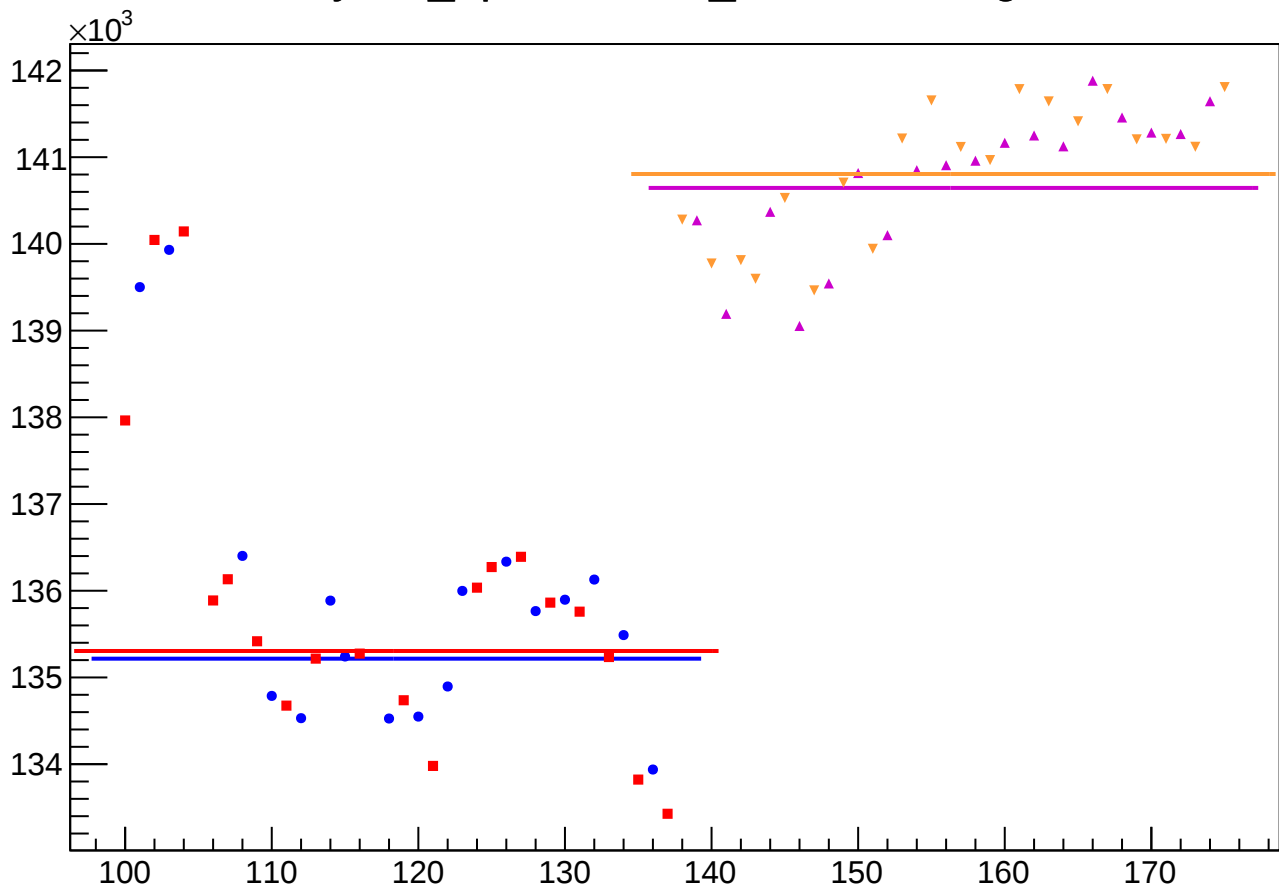
Left In: 259.388+/-0.051 χ^2/NDF :1656751.4/17

+ sign 259.568+/-0.042 χ^2/NDF : 3803194.7/36

All: 259.835+/-0.030 χ^2/NDF : 7083834.4/73

- sign 260.111+/-0.042 χ^2/NDF : 3280556.7/36

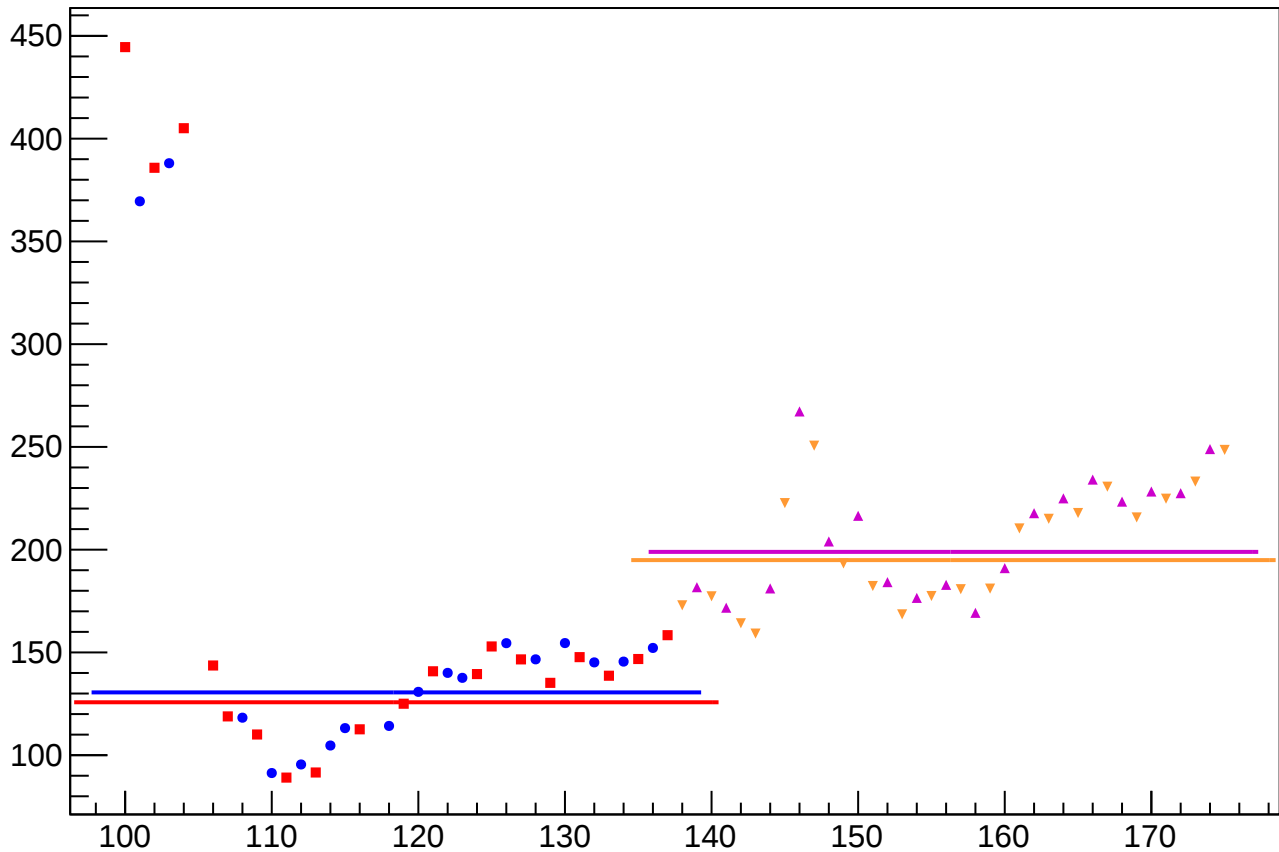
yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 ± 0.054 $\chi^2/\text{NDF}: 371347707.3/16$
 Left Out: 140806.131 ± 0.051 $\chi^2/\text{NDF}: 216993587.4/19$
 Right Out: 135305.135 ± 0.051 $\chi^2/\text{NDF}: 357636841.6/18$
 Left In: 140645.558 ± 0.054 $\chi^2/\text{NDF}: 190707452.1/17$

+ sign 138174.826 ± 0.037 $\chi^2/\text{NDF}: 6184804444.6$
 All: 137995.084 ± 0.026 $\chi^2/\text{NDF}: 119064024$
 - sign 137816.004 ± 0.037 $\chi^2/\text{NDF}: 5675227984.2$

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 194.921 $\pm$ 0.036 χ^2 /NDF: 539727.6/19

Right Out: 125.746 $\pm$ 0.036 χ^2 /NDF: 1440002.5/18

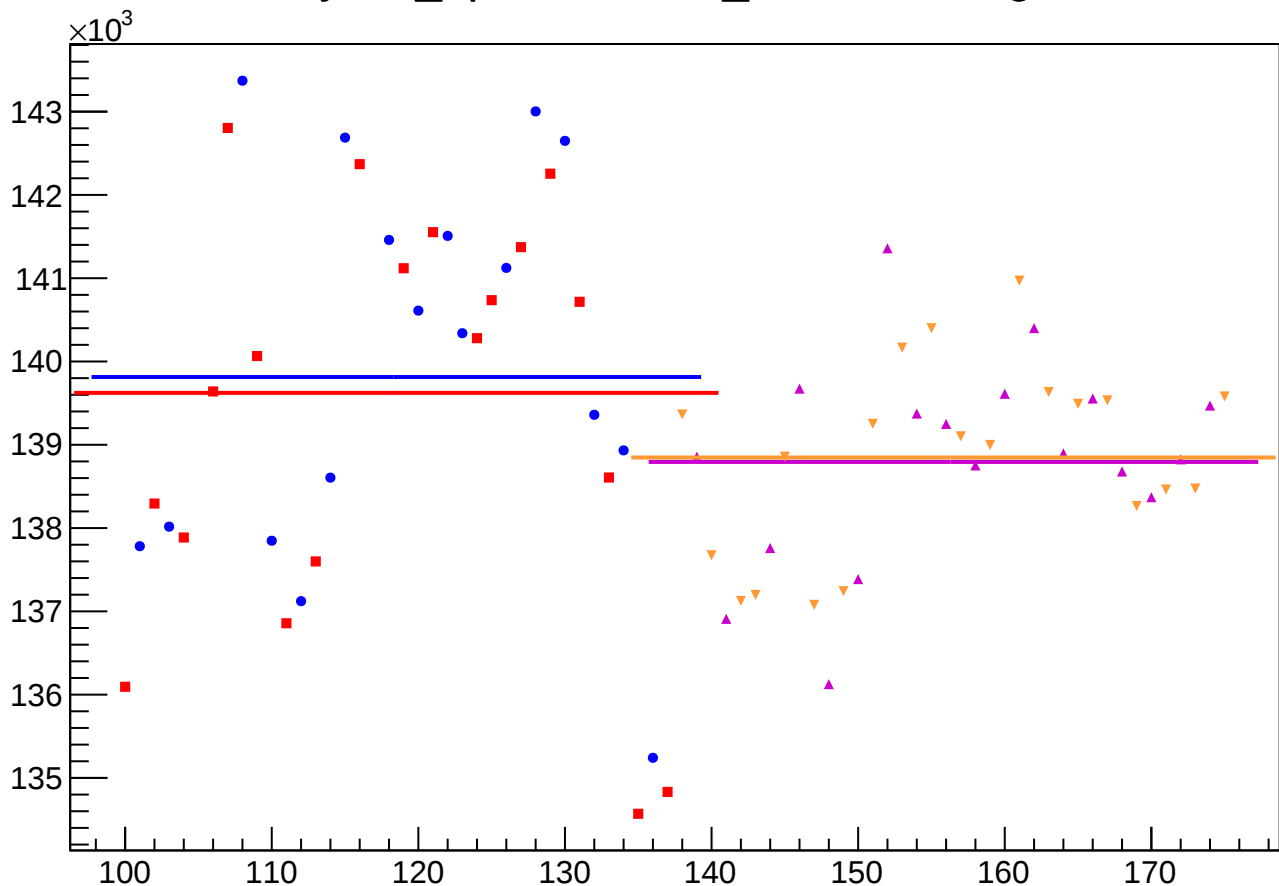
Left In: 198.923 $\pm$ 0.038 χ^2 /NDF: 459446.3/17

+ sign 164.619 $\pm$ 0.026 χ^2 /NDF: 3397244.5/36

All: 162.381 $\pm$ 0.019 χ^2 /NDF: 7236323.4/73

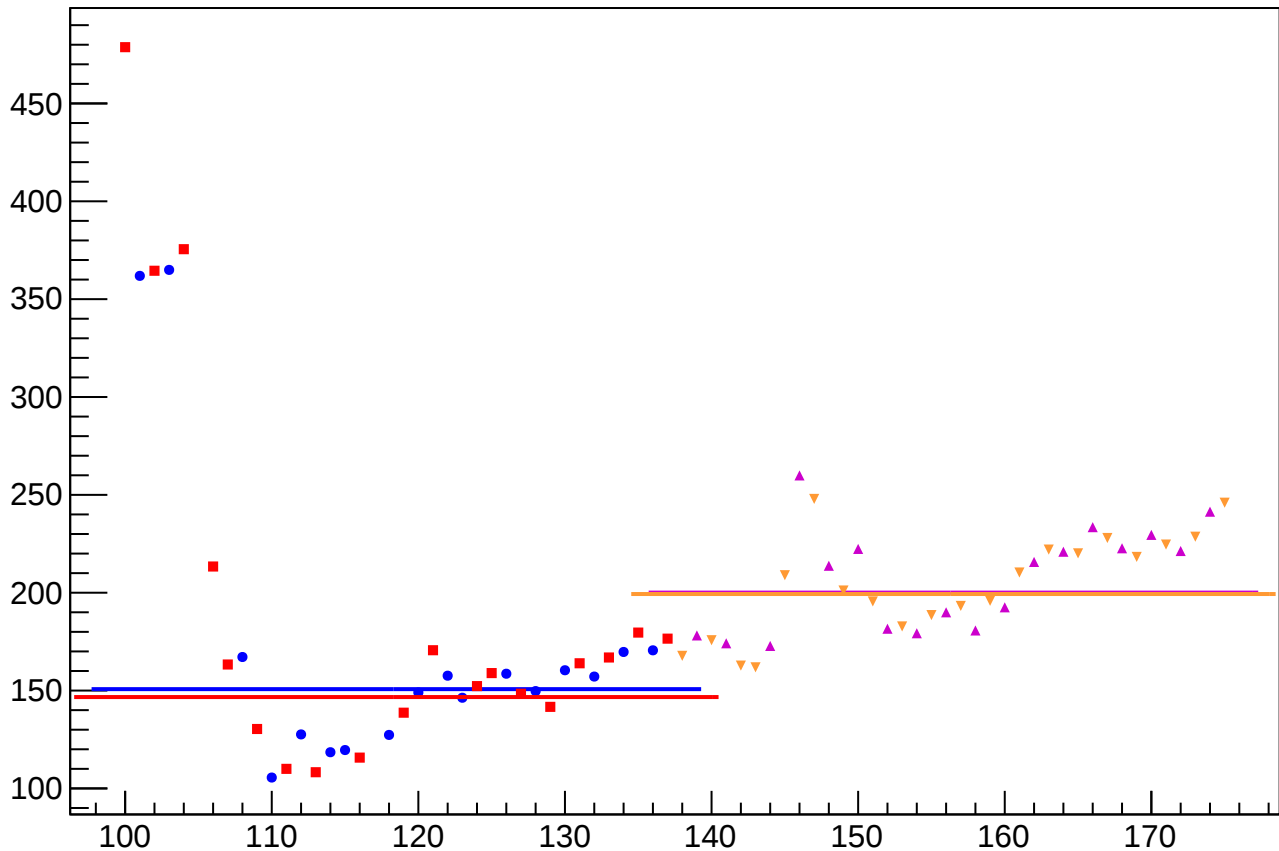
- sign 160.151 $\pm$ 0.026 χ^2 /NDF: 3824699.6/36

yield_bpm0i02aWS_mean vs Slug



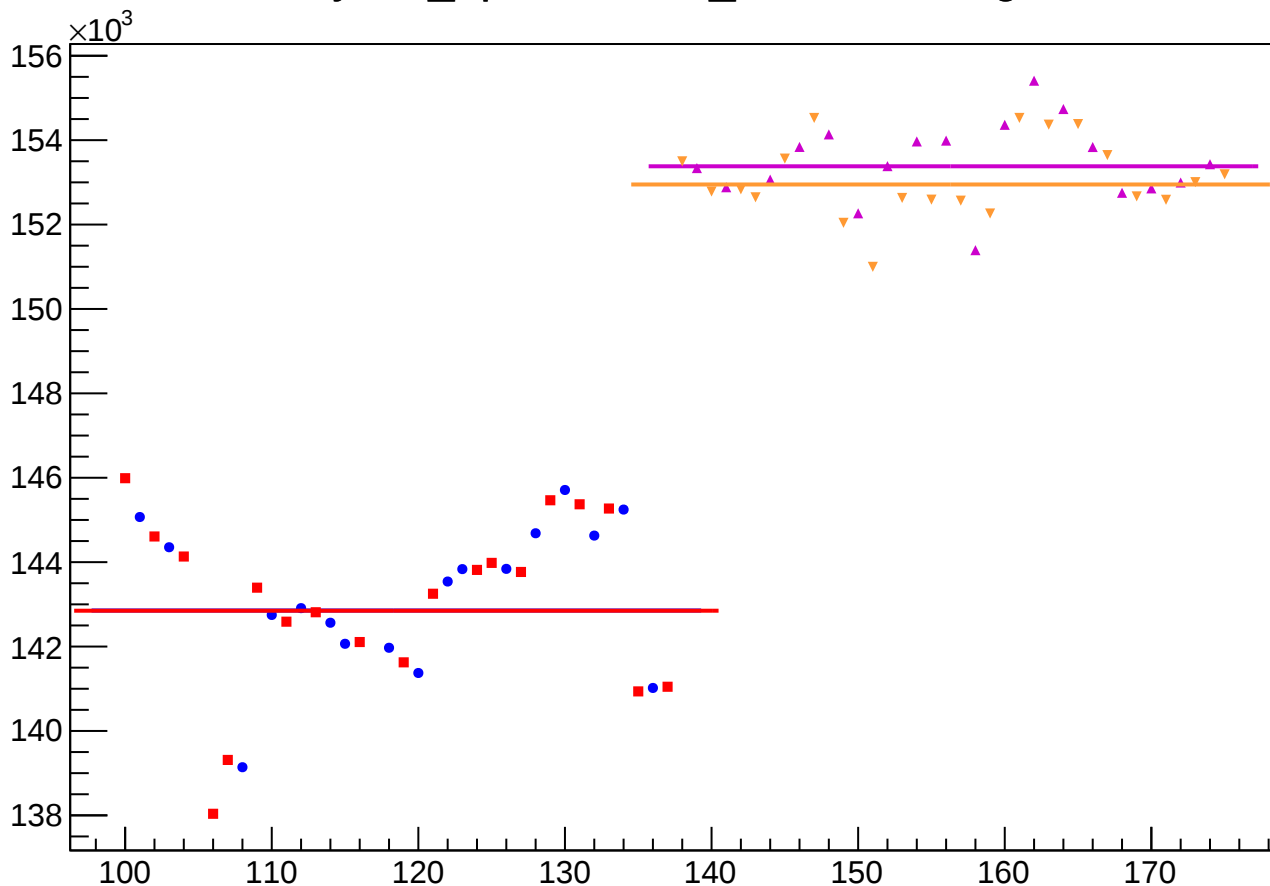
Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16
 Left Out: 138847.172 $\pm$ 0.052 χ^2 /NDF: 458076399.8/19
 Right Out: 139623.387 $\pm$ 0.059 χ^2 /NDF: 1505731109.1/18
 Left In: 138794.187 $\pm$ 0.055 χ^2 /NDF: 532588136.9/17
 All: 139213.759 $\pm$ 0.028 χ^2 /NDF: 443621177.0
 + sign 139250.841 $\pm$ 0.040 χ^2 /NDF: 2289806770.4
 - sign 139176.566 $\pm$ 0.040 χ^2 /NDF: 2144685226.8/

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733±0.044	χ^2/NDF : 1050071.6/16	+ sign 179.033±0.028	χ^2/NDF : 2208741.9/36
Left Out: 199.331±0.037	χ^2/NDF : 441294.9/19	All: 177.243±0.020	χ^2/NDF : 4708493.6/73
Right Out: 146.686±0.042	χ^2/NDF : 1203106.6/18	- sign 175.446±0.028	χ^2/NDF : 2491729.4/36
Left In: 200.059±0.039	χ^2/NDF : 407238.8/17		

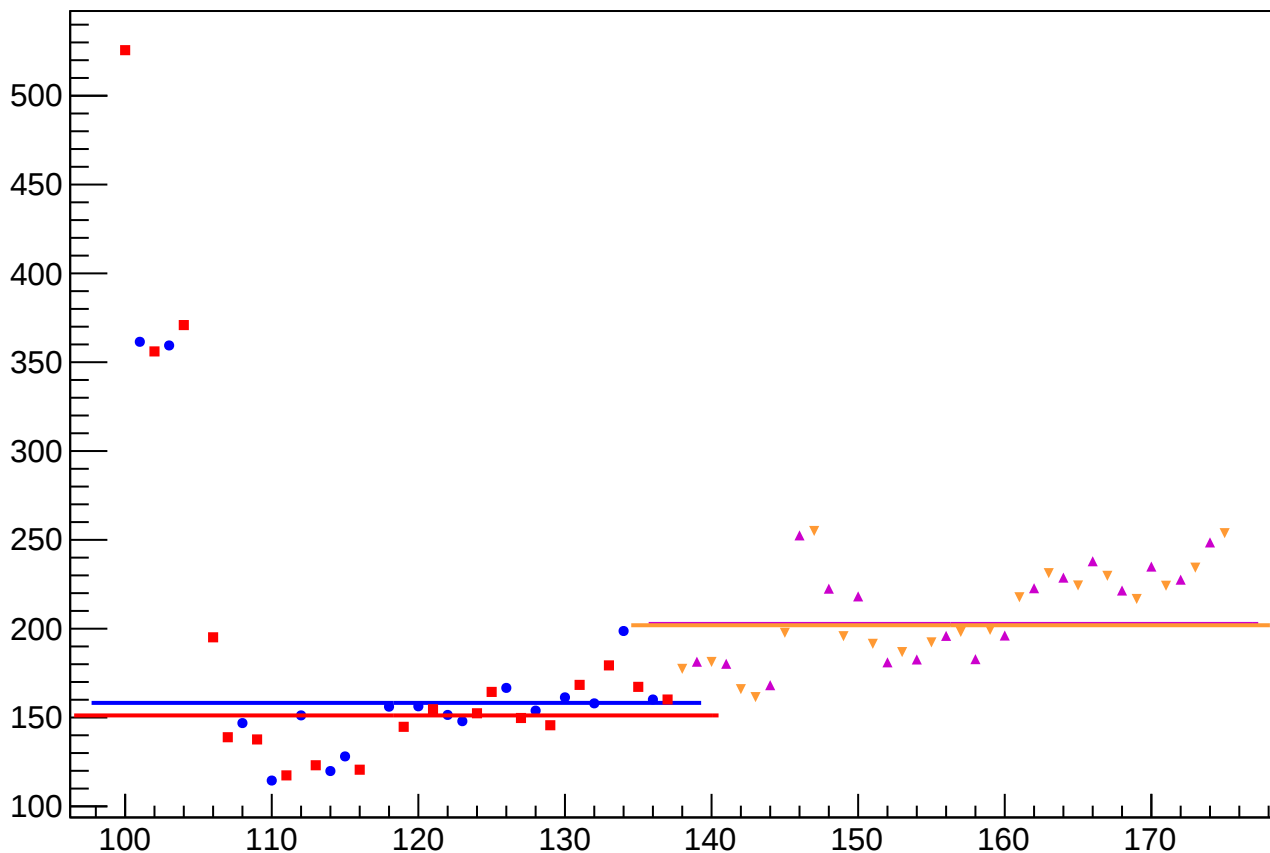
yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16
 Left Out: 152949.852 $\pm$ 0.053 χ^2 /NDF: 263430997.2/19
 Right Out: 142849.362 $\pm$ 0.060 χ^2 /NDF: 850066807.5/18
 Left In: 153380.838 $\pm$ 0.055 χ^2 /NDF: 272429340.5/17

+ sign 148886.917 $\pm$ 0.041 χ^2 /NDF: 15569613162.6
 All: 148733.125 $\pm$ 0.029 χ^2 /NDF: 332688370
 - sign 148581.190 $\pm$ 0.041 χ^2 /NDF: 17671281945.6

yield_bpm0i05WS_rms vs Slug



Right In: 158.233 ± 0.046 χ^2/NDF : 883513.4/16

Left Out: 201.940 ± 0.038 χ^2/NDF : 441112.1/19

Right Out: 151.174 ± 0.043 χ^2/NDF : 1003301.6/18

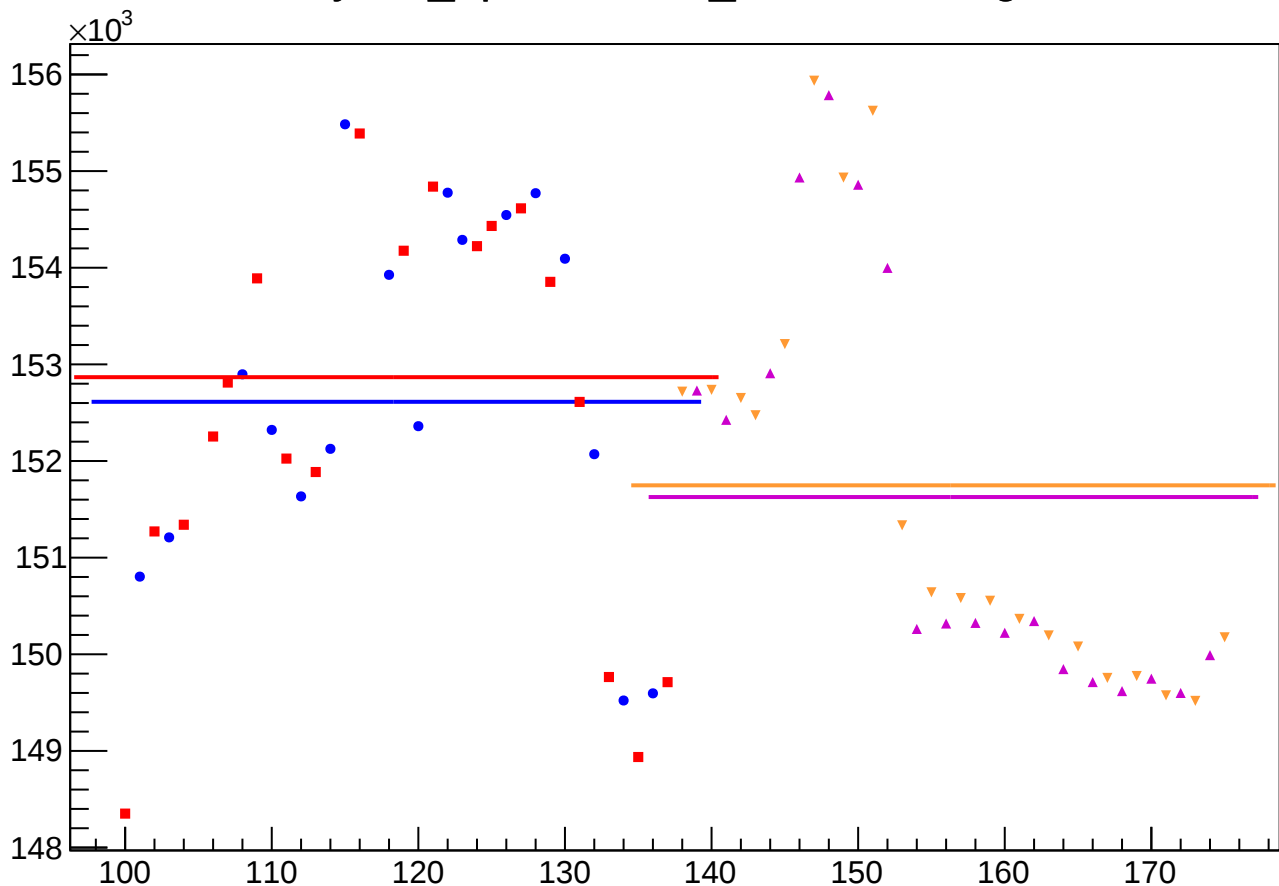
Left In: 202.674 ± 0.039 χ^2/NDF : 421928.2/17

+ sign 184.350 ± 0.029 χ^2/NDF : 1870644.2/36

All: 181.761 ± 0.020 χ^2/NDF : 4103178.2/73

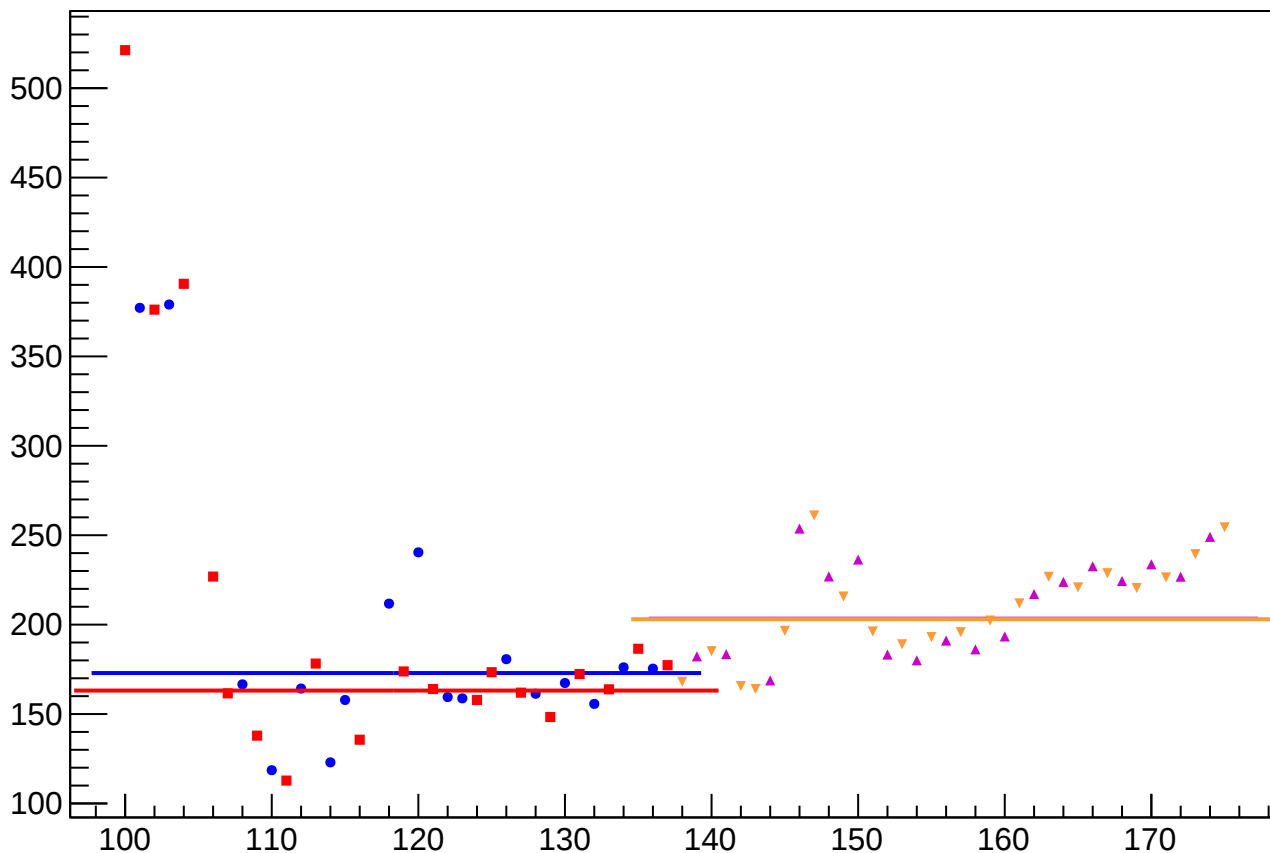
- sign 179.203 ± 0.029 χ^2/NDF : 2216697.1/36

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072	χ^2 /NDF: 621416187.4/16	+ sign 152052.567 $\pm$ 0.043	χ^2 /NDF: 1985897259.5
Left Out: 151748.276 $\pm$ 0.053	χ^2 /NDF: 1271539284.2/19	All: 152095.185 $\pm$ 0.030	χ^2 /NDF: 416419507
Right Out: 152867.453 $\pm$ 0.066	χ^2 /NDF: 719075986.4/18	- sign 152137.087 $\pm$ 0.042	χ^2 /NDF: 2176333179.6/17
Left In: 151627.147 $\pm$ 0.055	χ^2 /NDF: 1250653054.3/17		

yield_bpm0i07WS_rms vs Slug



Right In: 172.921 ± 0.051 χ^2/NDF : 941954.0/16

Left Out: 203.046 ± 0.038 χ^2/NDF : 466793.5/19

Right Out: 163.138 ± 0.047 χ^2/NDF : 1033751.2/18

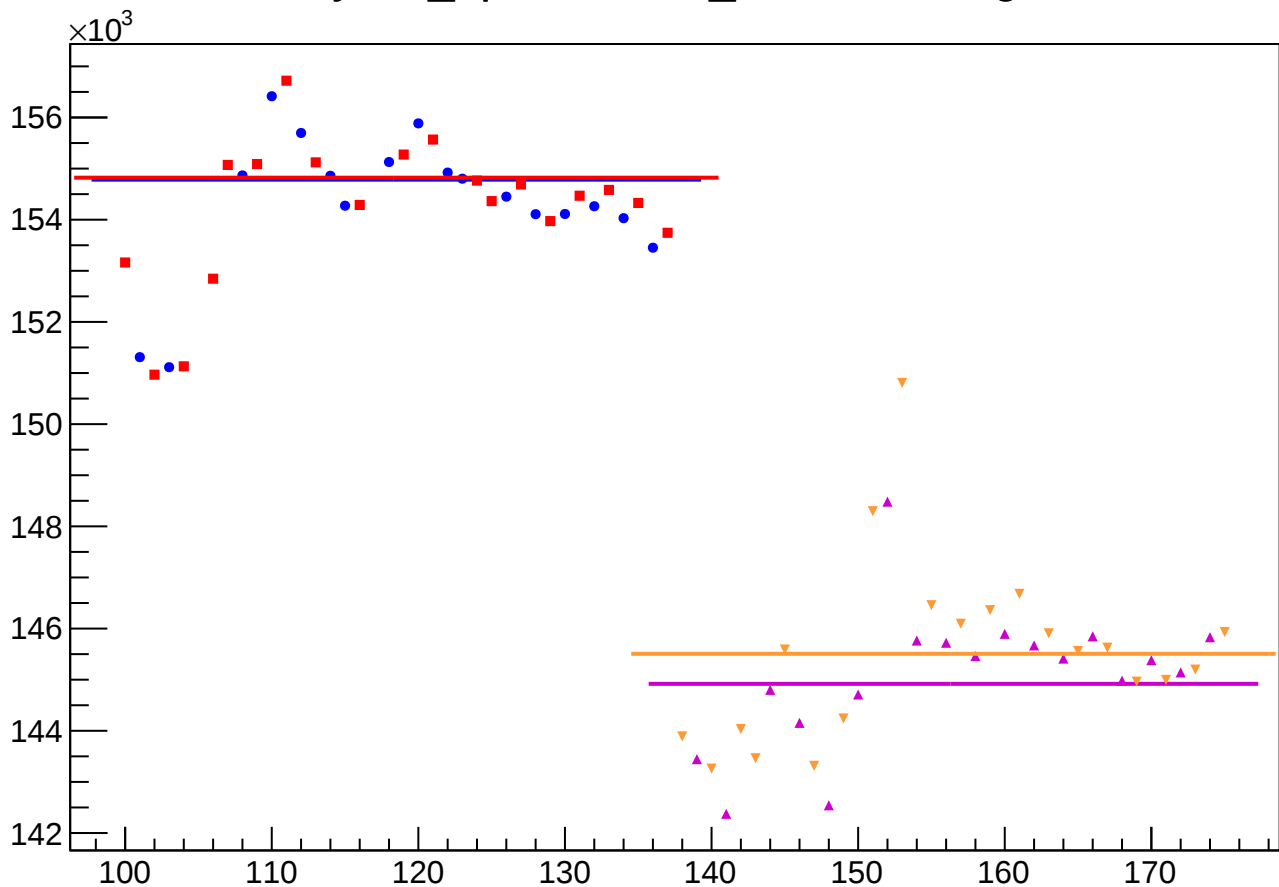
Left In: 203.328 ± 0.039 χ^2/NDF : 431149.5/17

+ sign 192.440 ± 0.030 χ^2/NDF : 1634571.4/36

All: 189.598 ± 0.021 χ^2/NDF : 3550791.9/73

- sign 186.804 ± 0.030 χ^2/NDF : 1898748.5/36

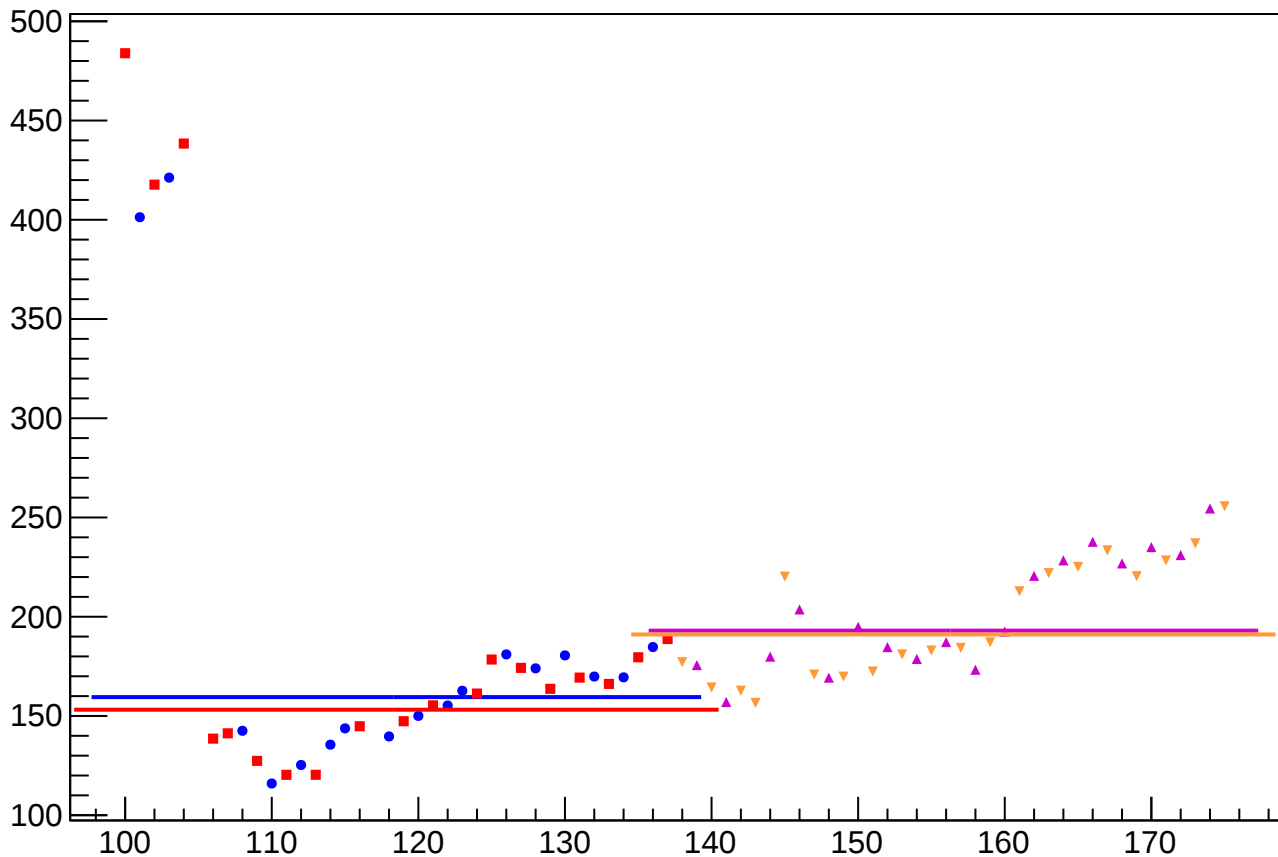
yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16
 Left Out: 145506.176 $\pm$ 0.050 χ^2 /NDF: 1494728979.5/19
 Right Out: 154822.113 $\pm$ 0.061 χ^2 /NDF: 293850525.9/18
 Left In: 144918.895 $\pm$ 0.052 χ^2 /NDF: 836808431.9/17

+ sign 148937.932 $\pm$ 0.040 χ^2 /NDF: 14453576938.
 All: 149037.875 $\pm$ 0.028 χ^2 /NDF: 307812929.
 - sign 149137.743 $\pm$ 0.040 χ^2 /NDF: 16315081250.1

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 191.077 $\pm$ 0.035 χ^2 /NDF: 594945.1/19

Right Out: 153.153 $\pm$ 0.043 χ^2 /NDF: 1173739.7/18

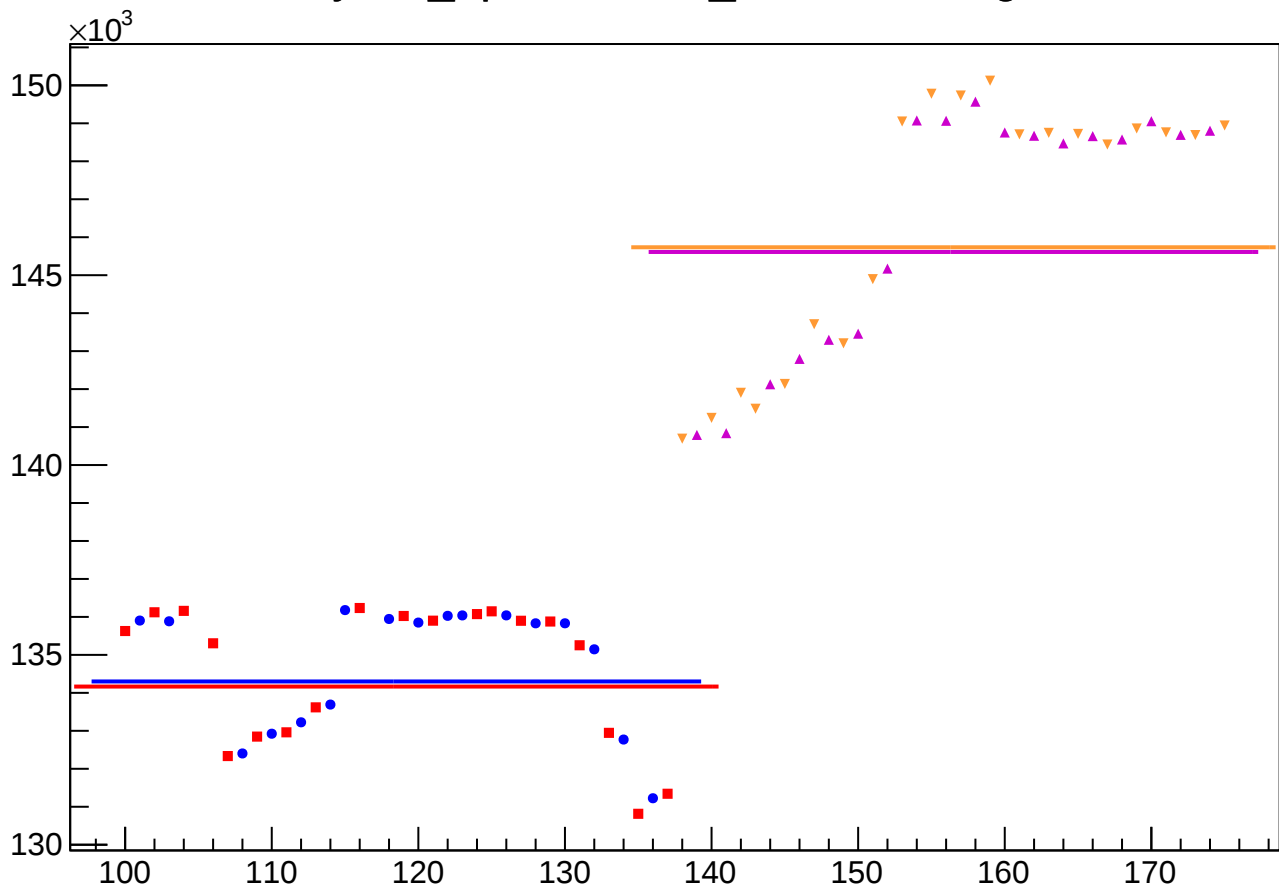
Left In: 192.987 $\pm$ 0.037 χ^2 /NDF: 484698.9/17

+ sign 179.399 $\pm$ 0.028 χ^2 /NDF: 2020800.3/36

All: 177.707 $\pm$ 0.020 χ^2 /NDF: 4177798.1/73

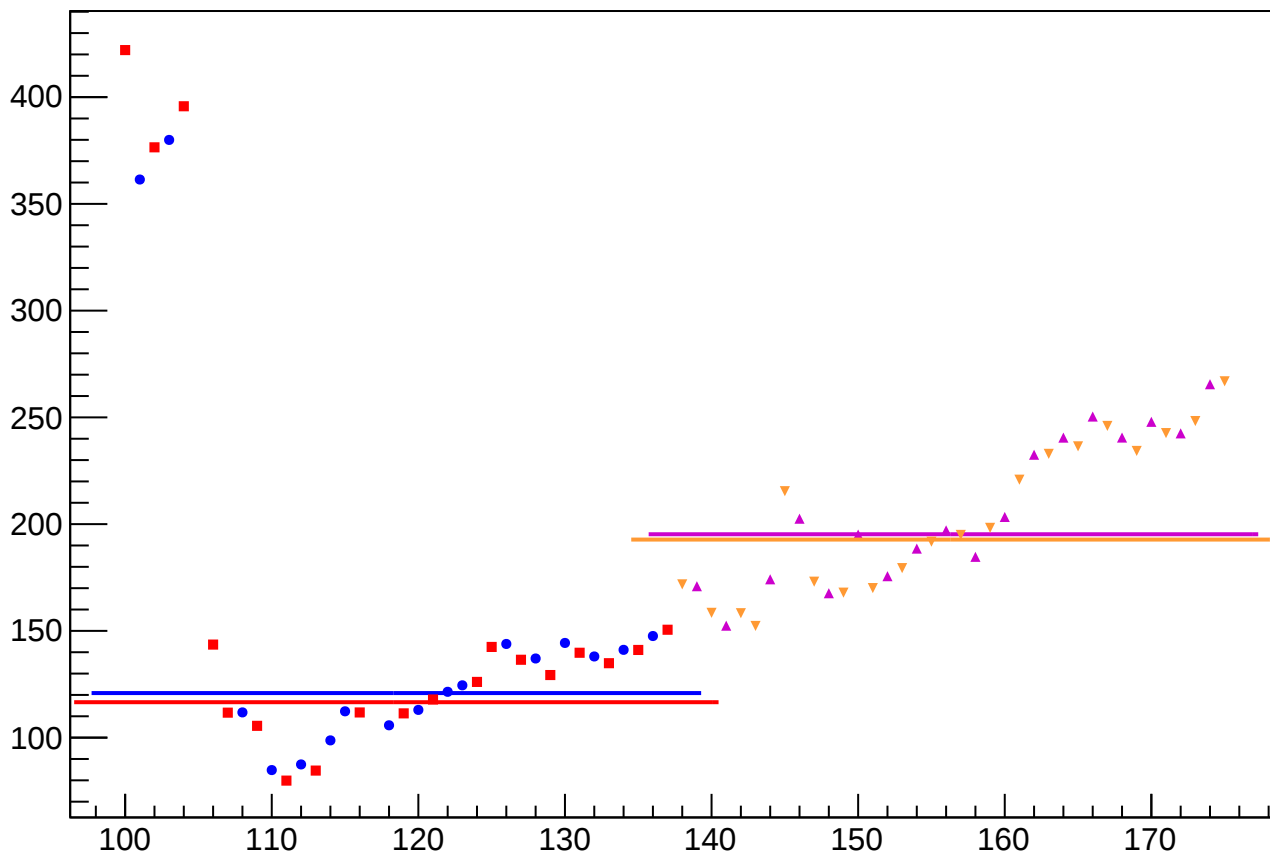
- sign 176.017 $\pm$ 0.028 χ^2 /NDF: 2149762.5/36

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16
 Left Out: 145735.327 $\pm$ 0.051 χ^2 /NDF: 4780918464.9/19
 Right Out: 134165.615 $\pm$ 0.047 χ^2 /NDF: 1211471052.4/18
 Left In: 145611.478 $\pm$ 0.053 χ^2 /NDF: 3981829142.4/17
 All: 139591.801 $\pm$ 0.025 χ^2 /NDF: 626887983.6
 + sign 139971.389 $\pm$ 0.036 χ^2 /NDF: 31520531658.6
 - sign 139219.043 $\pm$ 0.035 χ^2 /NDF: 30944707668.6

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 192.768 $\pm$ 0.036 χ^2 /NDF: 835136.1/19

Right Out: 116.595 $\pm$ 0.034 χ^2 /NDF: 1541338.5/18

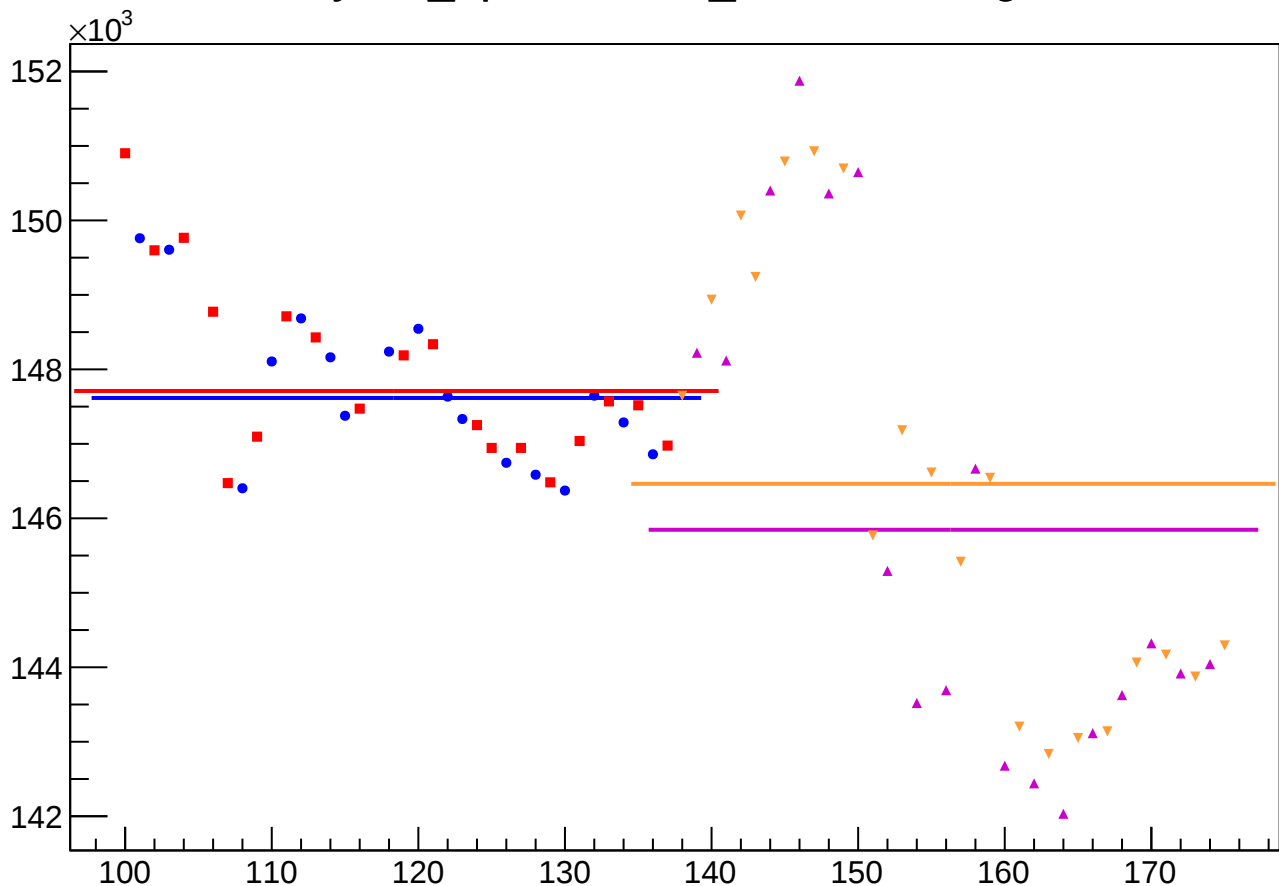
Left In: 195.262 $\pm$ 0.038 χ^2 /NDF: 679957.4/17

+ sign 156.529 $\pm$ 0.025 χ^2 /NDF: 4321912.2/36

All: 153.904 $\pm$ 0.018 χ^2 /NDF: 8997481.2/73

- sign 151.327 $\pm$ 0.025 χ^2 /NDF: 4654190.9/36

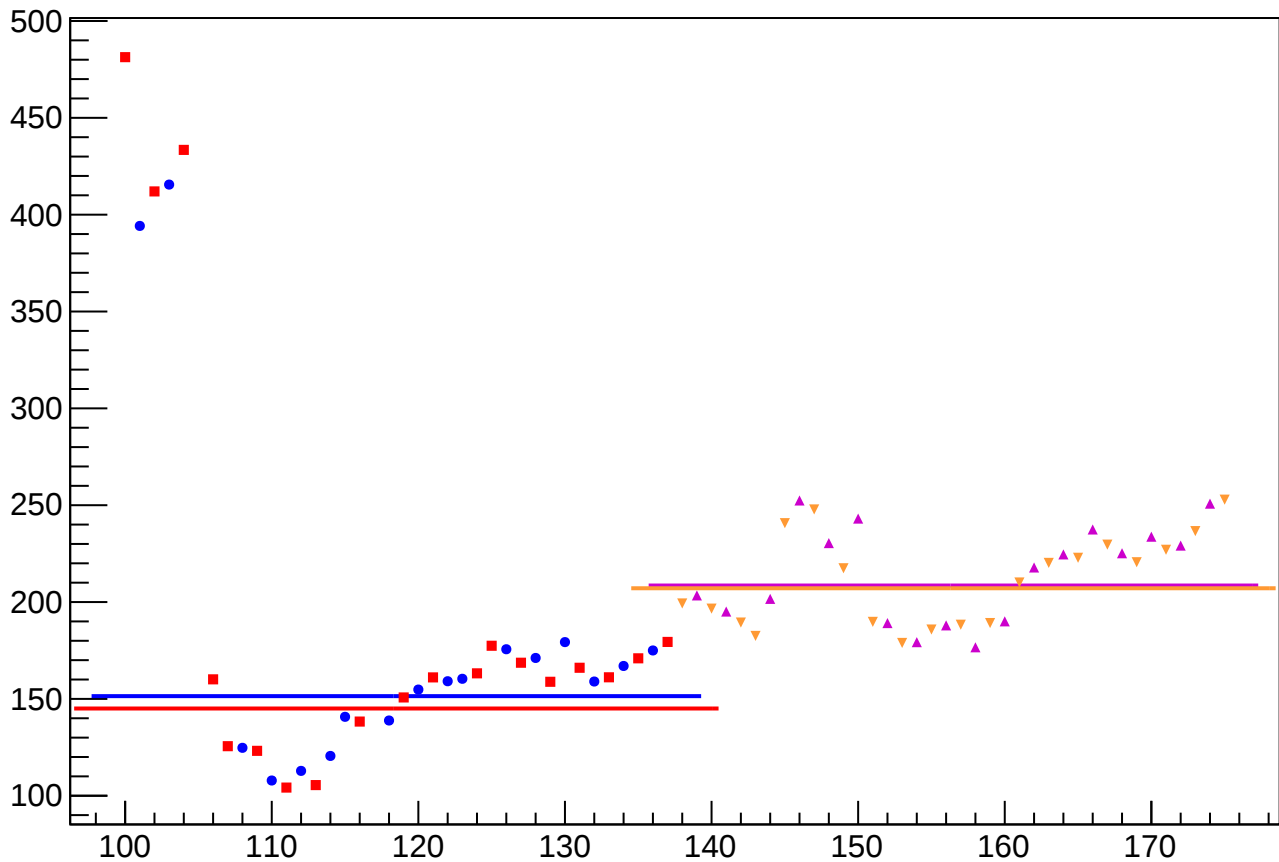
yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 ± 0.062 $\chi^2/\text{NDF}: 199263428.7/16$
 Left Out: 146463.033 ± 0.054 $\chi^2/\text{NDF}: 2309277446.9/19$
 Right Out: 147709.723 ± 0.058 $\chi^2/\text{NDF}: 203906685.9/18$
 Left In: 145846.456 ± 0.057 $\chi^2/\text{NDF}: 2842633557.1/17$

+ sign 146957.199 ± 0.041 $\chi^2/\text{NDF}: 2703164776.7/16$
 All: 146852.830 ± 0.029 $\chi^2/\text{NDF}: 628832016.7/16$
 - sign 146749.933 ± 0.041 $\chi^2/\text{NDF}: 3572226367.9/16$

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 207.119 $\pm$ 0.038 χ^2 /NDF: 336539.9/19

Right Out: 145.039 $\pm$ 0.041 χ^2 /NDF: 1375972.0/18

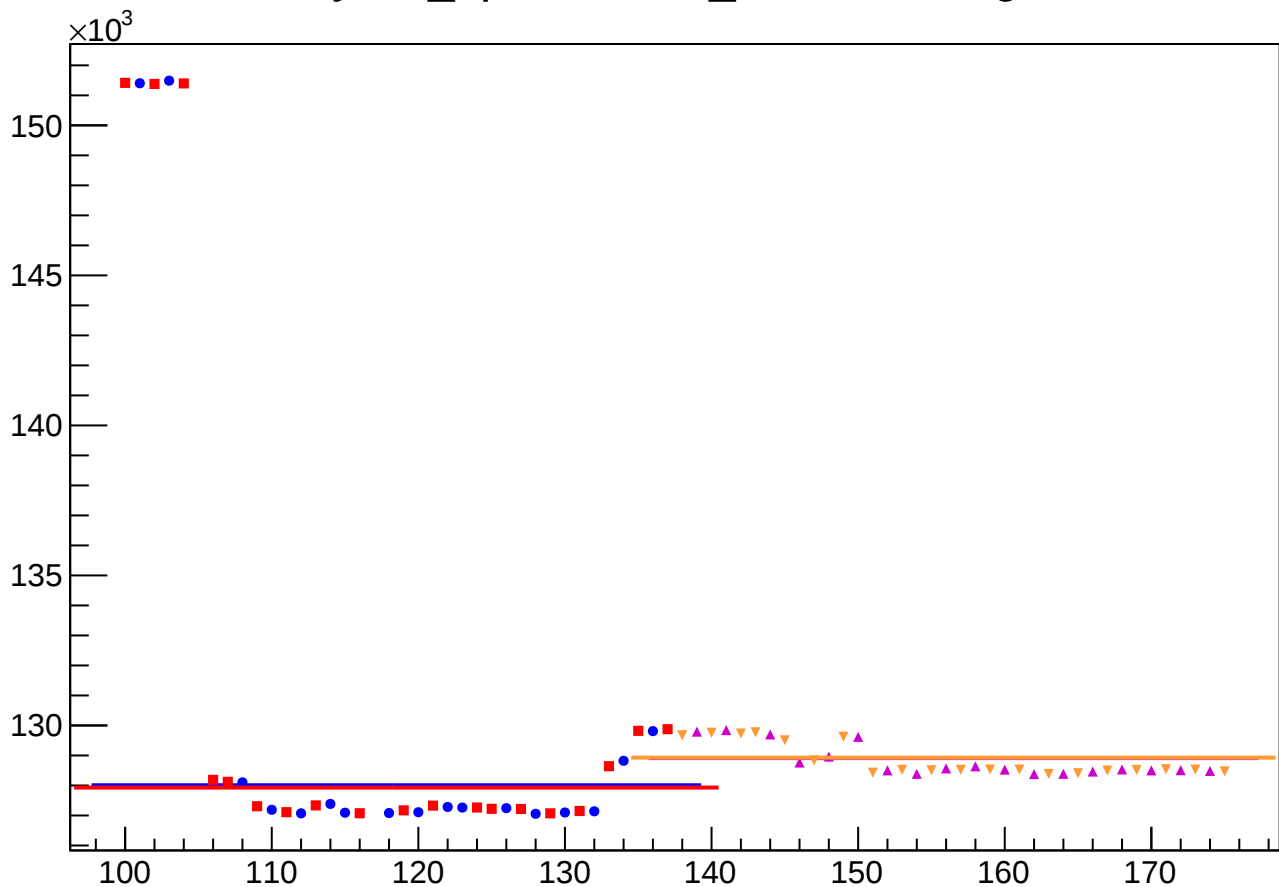
Left In: 208.533 $\pm$ 0.040 χ^2 /NDF: 360689.2/17

+ sign 183.251 $\pm$ 0.029 χ^2 /NDF: 2502441.8/36

All: 180.479 $\pm$ 0.020 χ^2 /NDF: 5478222.1/73

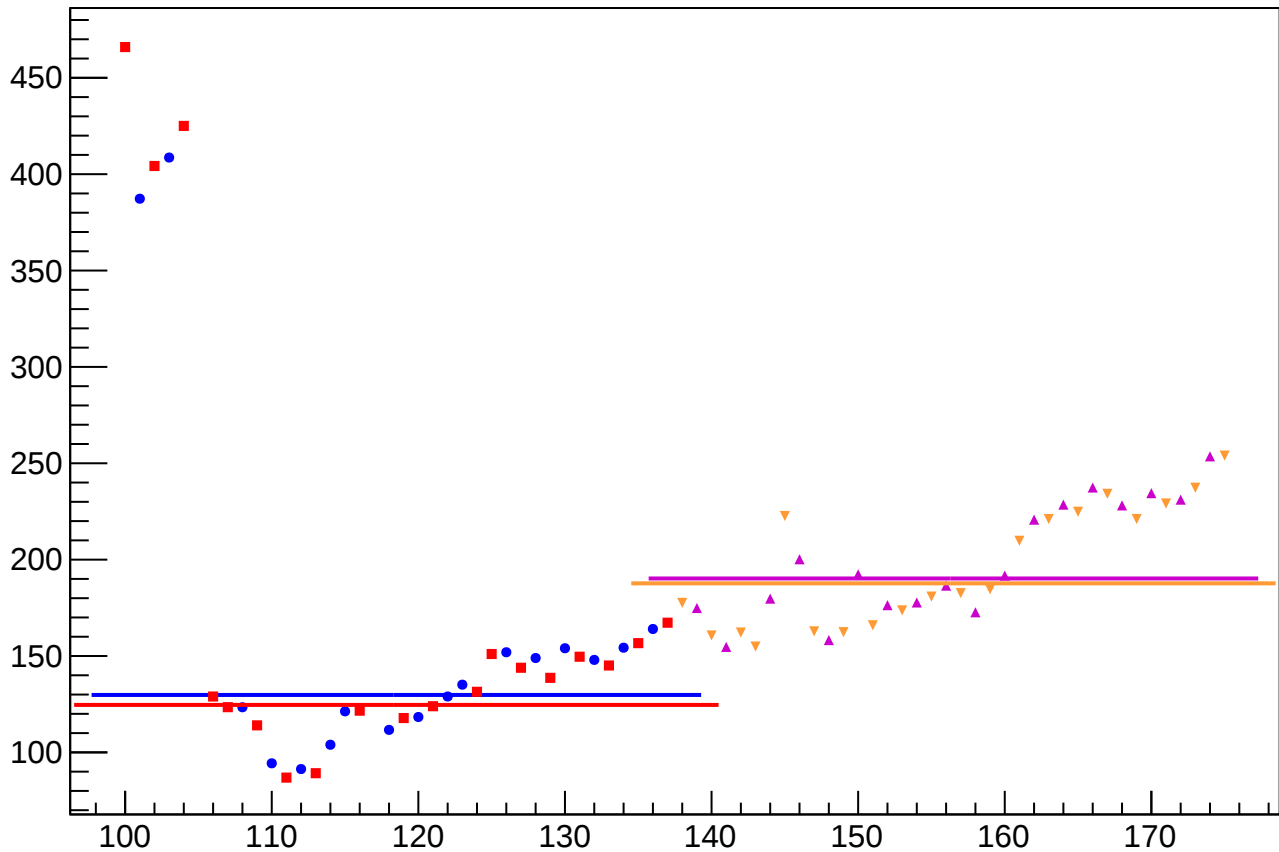
- sign 177.746 $\pm$ 0.029 χ^2 /NDF: 2957537.3/36

yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16
 Left Out: 128928.130 $\pm$ 0.049 χ^2 /NDF: 129256359.0/19
 Right Out: 127930.136 $\pm$ 0.050 χ^2 /NDF: 3768176193.0/18
 Left In: 128912.443 $\pm$ 0.052 χ^2 /NDF: 113895430.2/17
 + sign 128511.165 $\pm$ 0.036 χ^2 /NDF: 4607397813.4
 All: 128459.043 $\pm$ 0.026 χ^2 /NDF: 867838934
 - sign 128407.809 $\pm$ 0.036 χ^2 /NDF: 4066930545.8

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 187.701 $\pm$ 0.035 χ^2 /NDF: 691078.3/19

+ sign 161.479 $\pm$ 0.026 χ^2 /NDF: 3428924.3/36

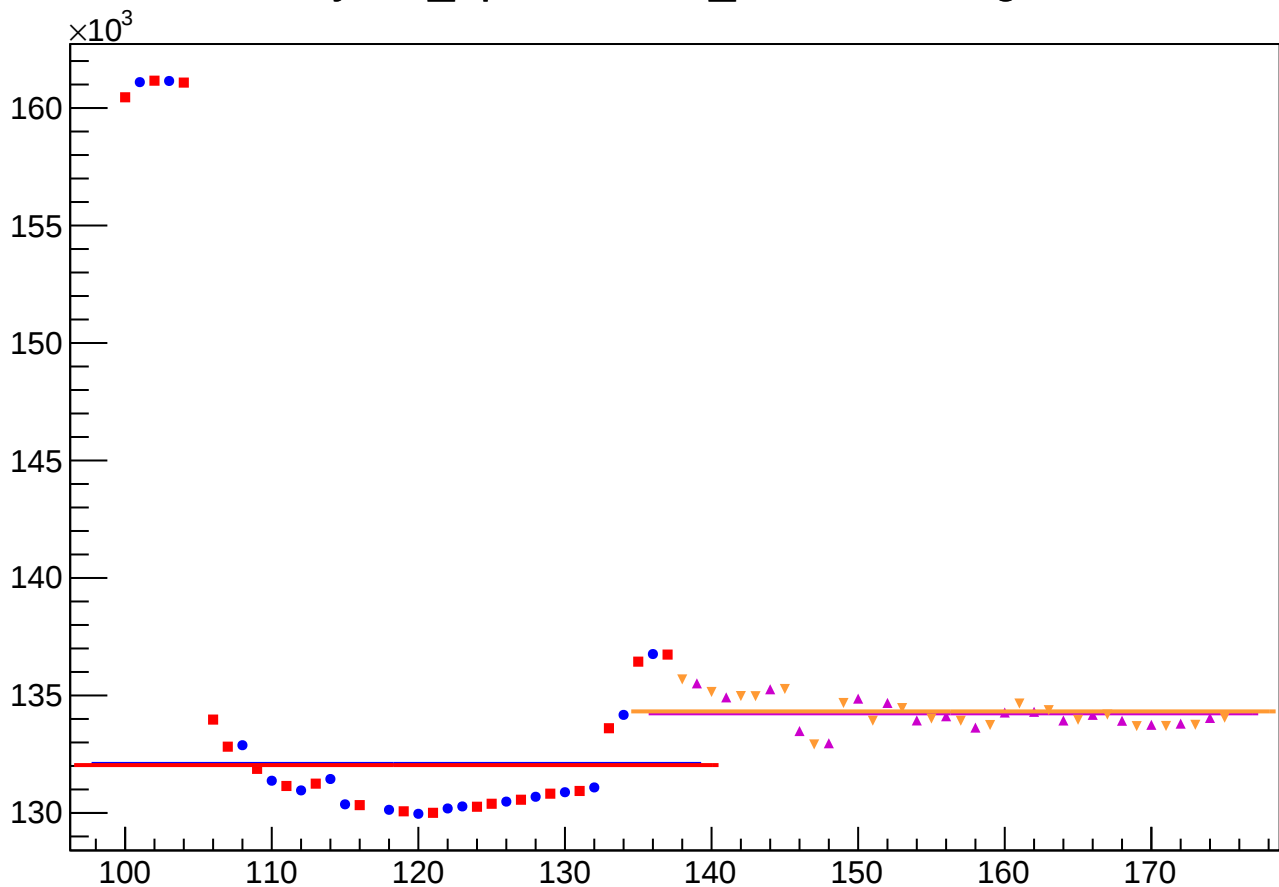
Right Out: 124.625 $\pm$ 0.036 χ^2 /NDF: 1531827.4/18

All: 158.982 $\pm$ 0.018 χ^2 /NDF: 7181411.3/73

Left In: 190.232 $\pm$ 0.037 χ^2 /NDF: 552793.3/17

- sign 156.528 $\pm$ 0.026 χ^2 /NDF: 3733849.7/36

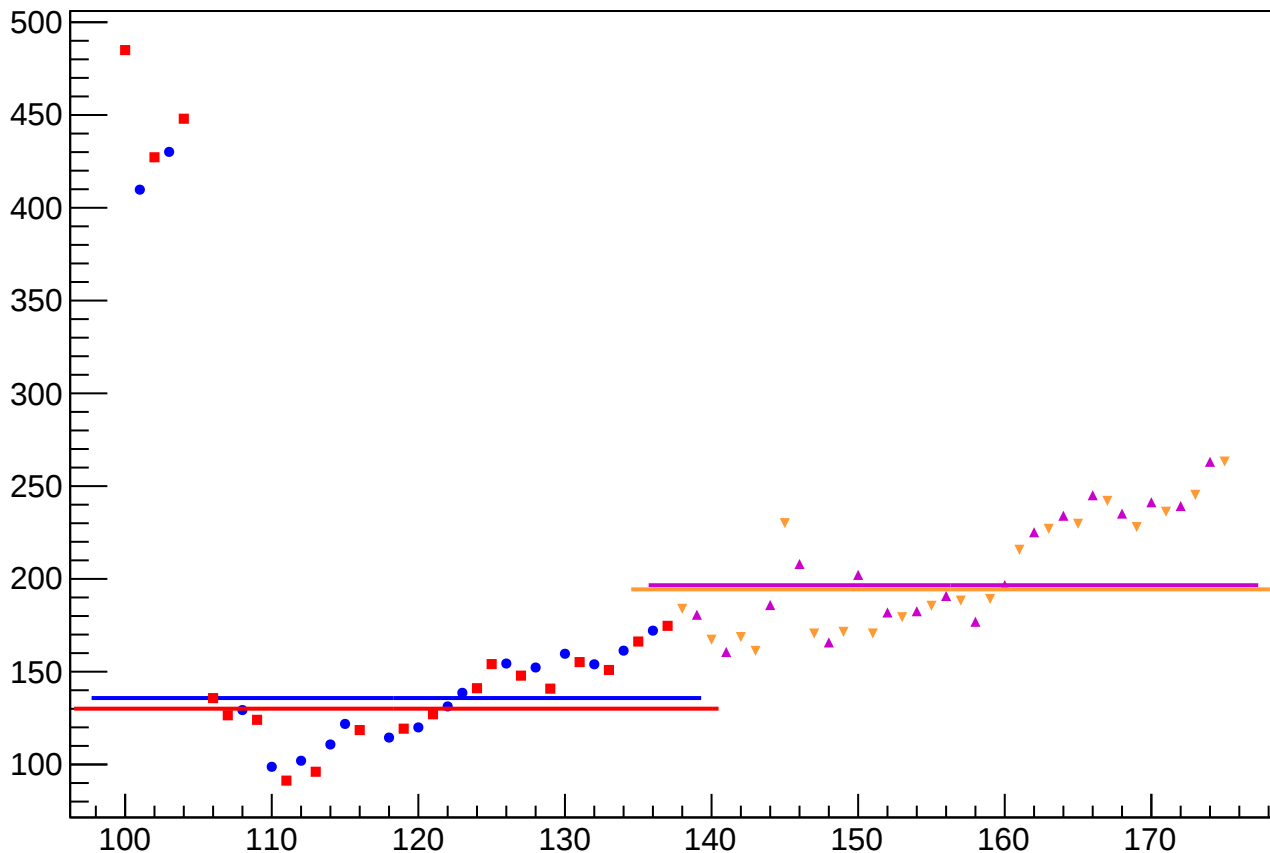
yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 ± 0.057 $\chi^2/\text{NDF}: 6733230928.7/16$
 Left Out: 134321.854 ± 0.051 $\chi^2/\text{NDF}: 182152135.3/19$
 Right Out: 132037.539 ± 0.053 $\chi^2/\text{NDF}: 5882115872.9/18$
 Left In: 134239.791 ± 0.054 $\chi^2/\text{NDF}: 165884645.3/17$

+ sign 133319.572 ± 0.038 $\chi^2/\text{NDF}: 7777745470.4$
 All: 133217.991 ± 0.027 $\chi^2/\text{NDF}: 147026279$
 - sign 133118.374 ± 0.037 $\chi^2/\text{NDF}: 6910618126.3$

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 194.364 $\pm$ 0.036 χ^2 /NDF: 658494.8/19

Right Out: 130.070 $\pm$ 0.037 χ^2 /NDF: 1503997.6/18

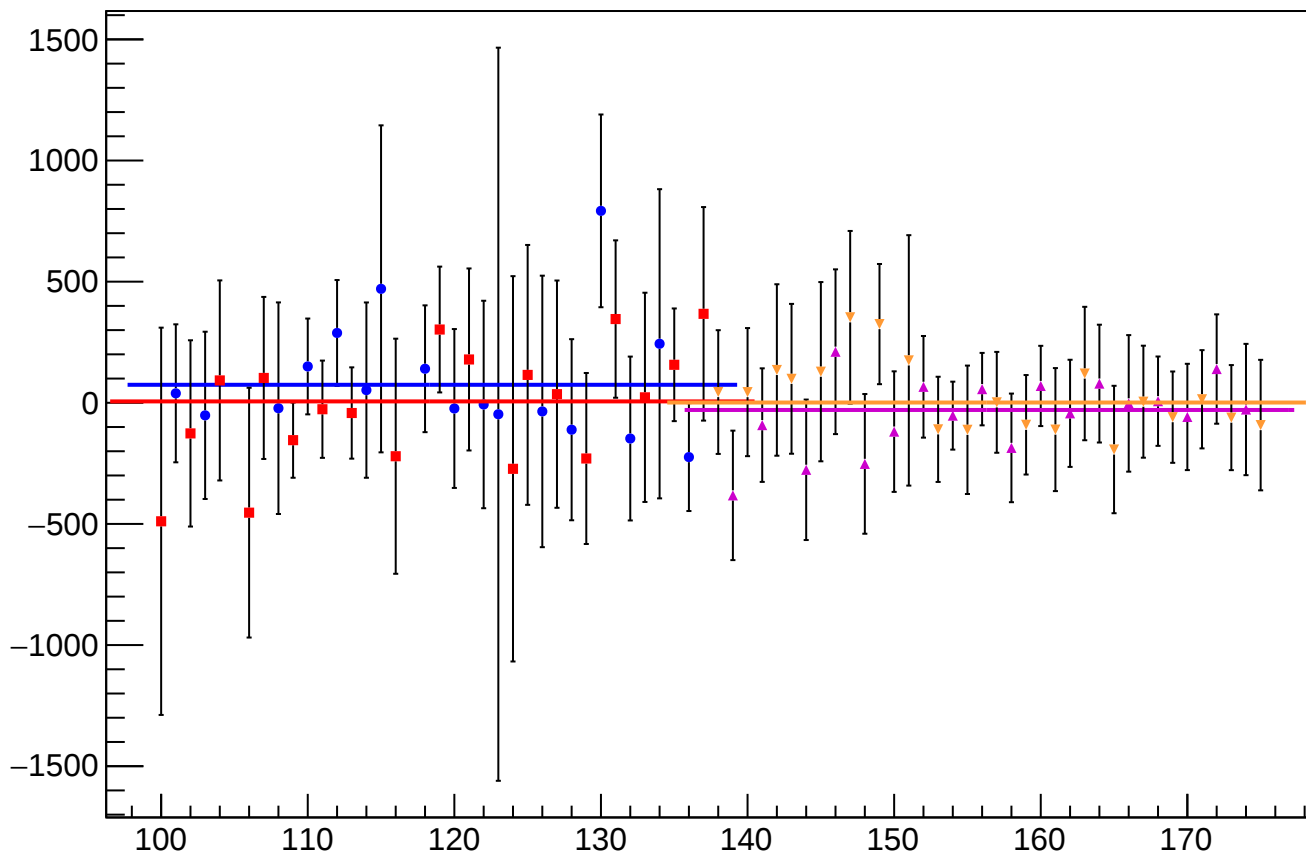
Left In: 196.597 $\pm$ 0.038 χ^2 /NDF: 538264.6/17

+ sign 168.100 $\pm$ 0.027 χ^2 /NDF: 3284673.8/36

All: 165.384 $\pm$ 0.019 χ^2 /NDF: 6921738.6/73

- sign 162.720 $\pm$ 0.027 χ^2 /NDF: 3616669.7/36

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 1.098+/-56.353 χ^2/NDF : 5.1/19

Right Out: 5.739+/-70.069 χ^2/NDF : 7.1/18

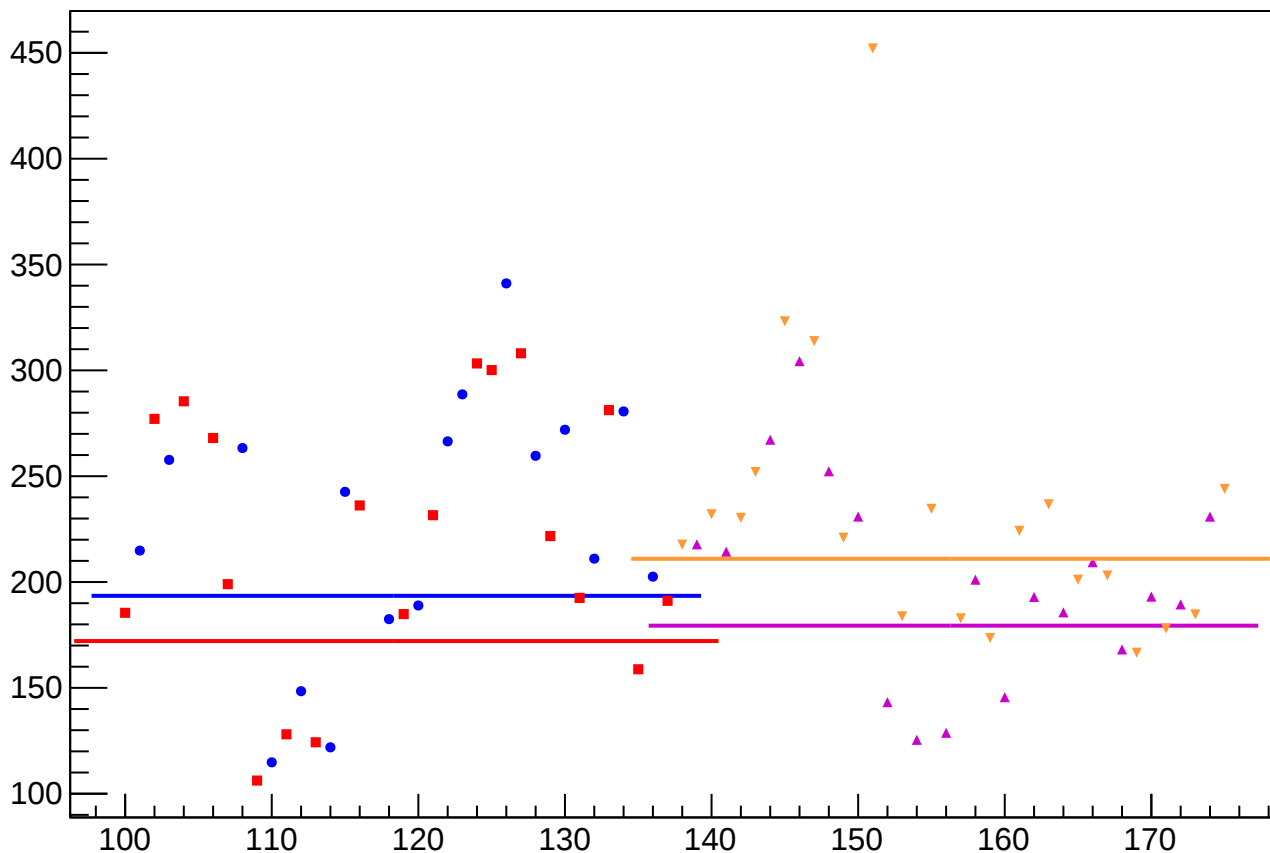
Left In: -29.654+/-50.702 χ^2/NDF : 6.0/17

+ sign 25.775+/-45.881 χ^2/NDF : 13.3/36

All: 1.759+/-30.603 χ^2/NDF : 27.1/73

- sign -17.491+/-41.076 χ^2/NDF : 13.3/36

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 210.997 $\pm$ 0.040 χ^2 /NDF:1245063.3/19

Right Out: 172.122 $\pm$ 0.050 χ^2 /NDF: 1579840.2/18

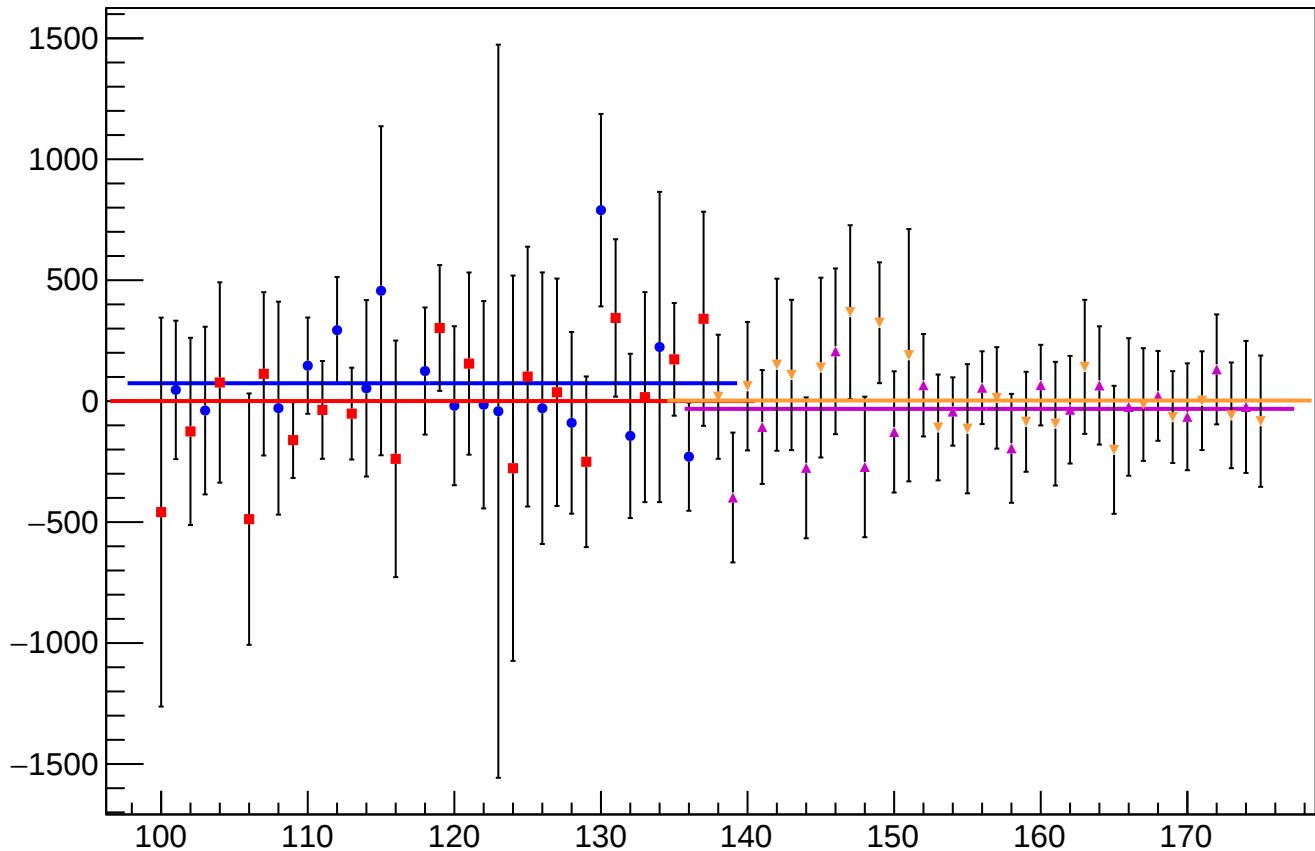
Left In: 179.387 $\pm$ 0.036 χ^2 /NDF:1563030.5/17

+ sign 205.094 $\pm$ 0.032 χ^2 /NDF: 2327350.9/36

All: 189.439 $\pm$ 0.022 χ^2 /NDF: 5903832.6/73

- sign 176.891 $\pm$ 0.029 χ^2 /NDF: 3156981.8/36

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098+/-79.404 χ^2/NDF : 7.6/16

Left Out: 2.645+/-56.726 χ^2/NDF : 5.2/19

Right Out: 0.503+/-70.437 χ^2/NDF : 7.3/18

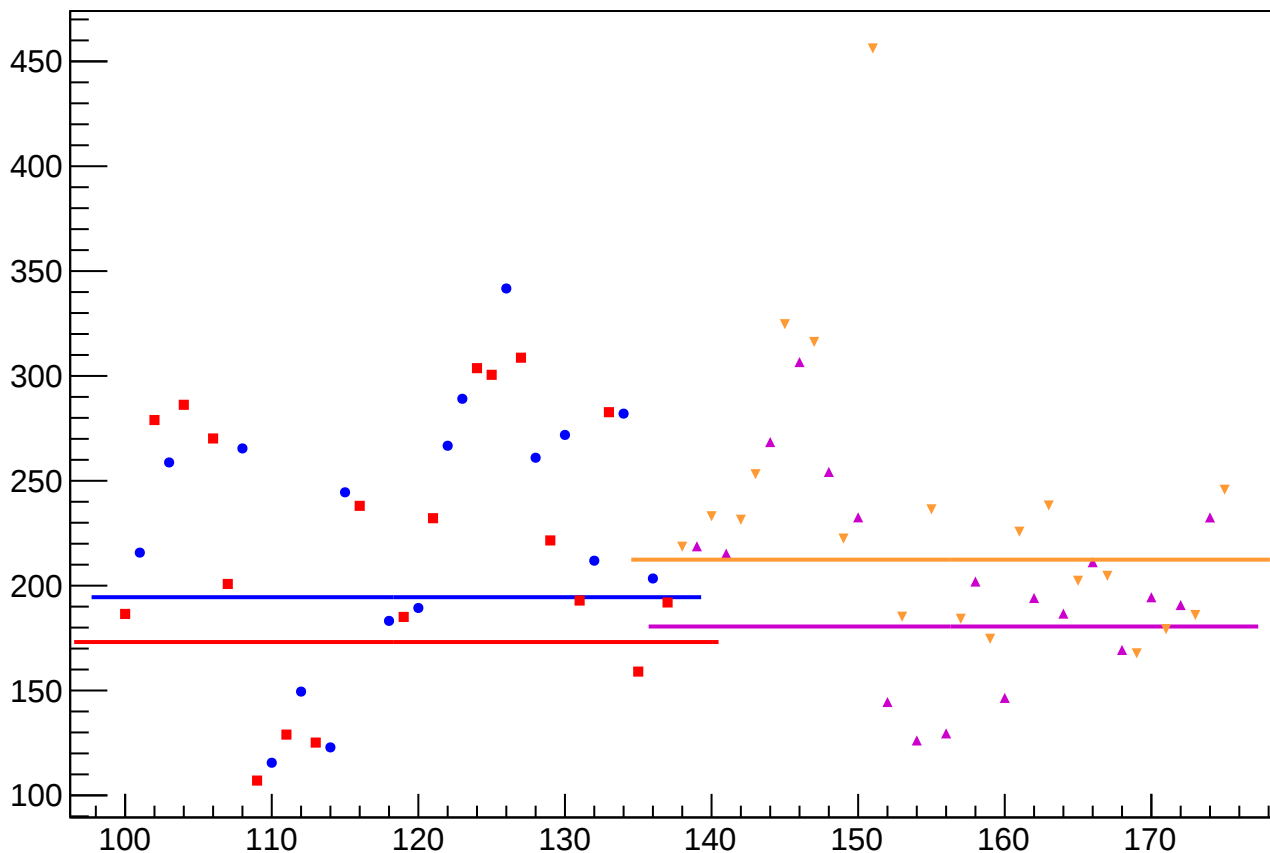
Left In: -31.927+/-51.023 χ^2/NDF : 6.2/17

+ sign 26.790+/-46.157 χ^2/NDF : 13.3/36

All: 0.390+/-30.787 χ^2/NDF : 27.6/73

- sign -20.767+/-41.321 χ^2/NDF : 13.6/36

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 212.390 $\pm$ 0.040 χ^2 /NDF:1243948.2/19

Right Out: 173.111 $\pm$ 0.050 χ^2 /NDF: 1567374.3/18

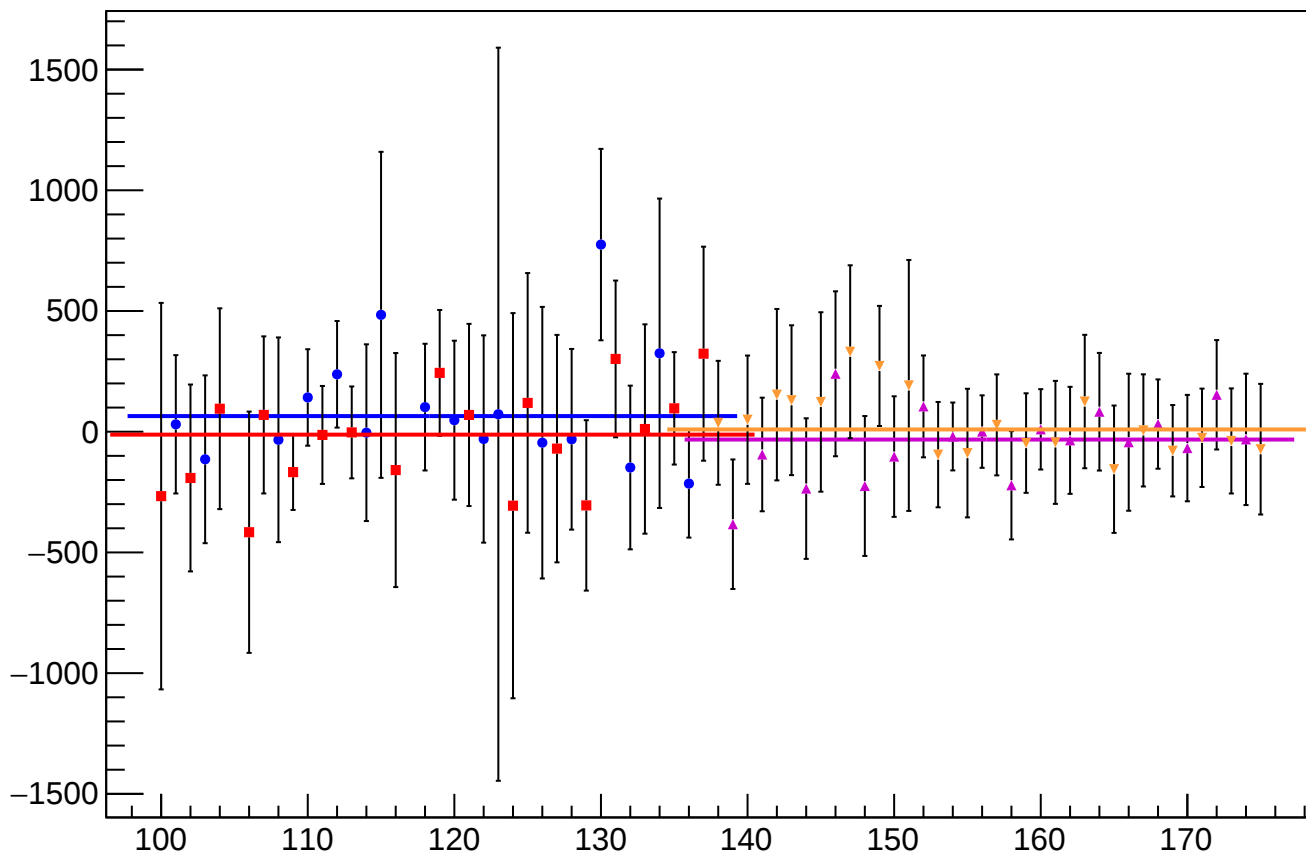
Left In: 180.518 $\pm$ 0.036 χ^2 /NDF:1562315.9/17

+ sign 206.343 $\pm$ 0.033 χ^2 /NDF: 2319706.0/36

All: 190.592 $\pm$ 0.022 χ^2 /NDF: 5883446.8/73

- sign 177.969 $\pm$ 0.029 χ^2 /NDF: 3144195.3/36

asym_bcm_an_us_mean vs Slug



Right In: 64.733+/-79.399 χ^2/NDF : 7.0/16

Left Out: 9.441+/-56.592 χ^2/NDF : 3.9/19

Right Out: -12.094+/-70.361 χ^2/NDF : 5.8/18

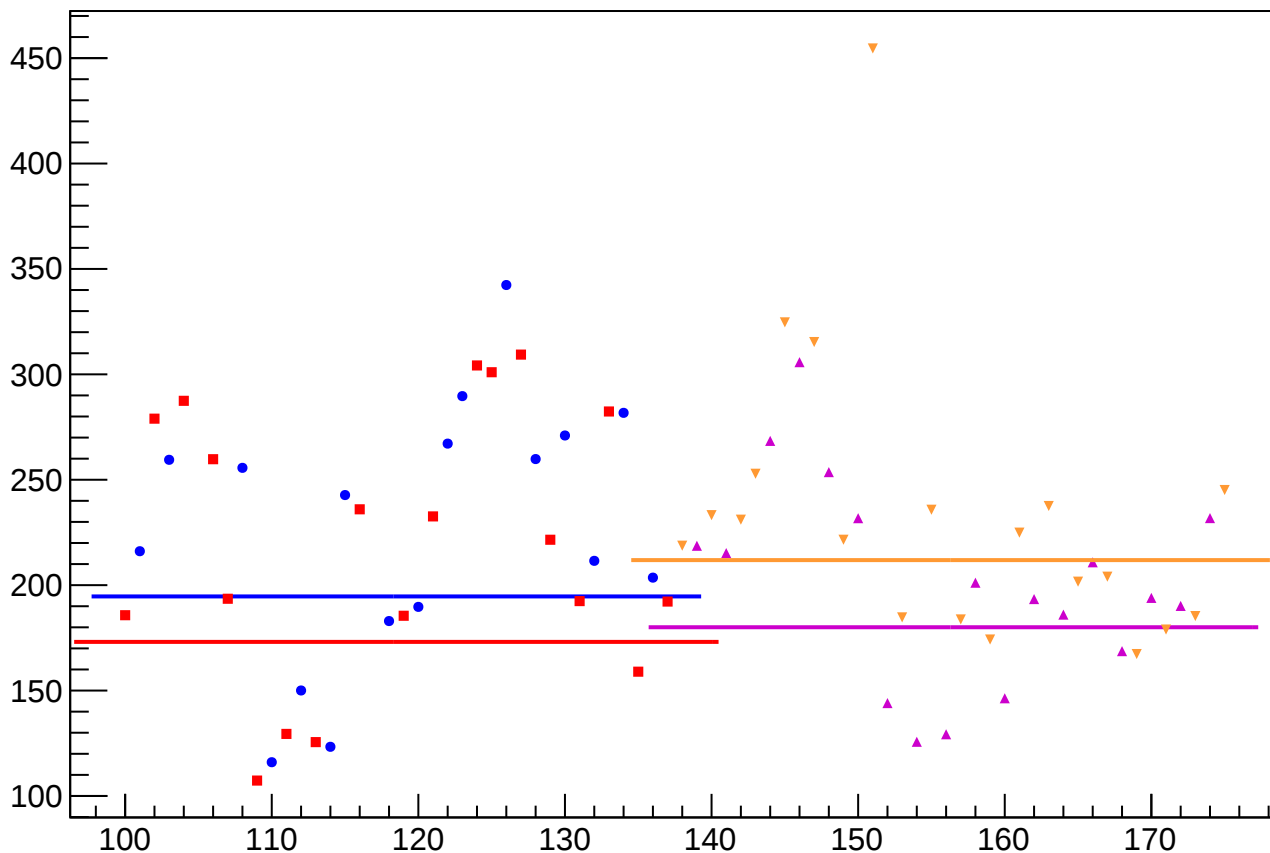
Left In: -32.492+/-50.889 χ^2/NDF : 5.7/17

+ sign 28.068+/-46.084 χ^2/NDF : 11.3/36

All: -1.674+/-30.729 χ^2/NDF : 23.6/73

- sign -25.486+/-41.234 χ^2/NDF : 11.6/36

asym_bcm_an_us_rms vs Slug



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 211.881 $\pm$ 0.040 χ^2 /NDF:1246109.6/19

Right Out: 173.089 $\pm$ 0.050 χ^2 /NDF: 1544540.9/18

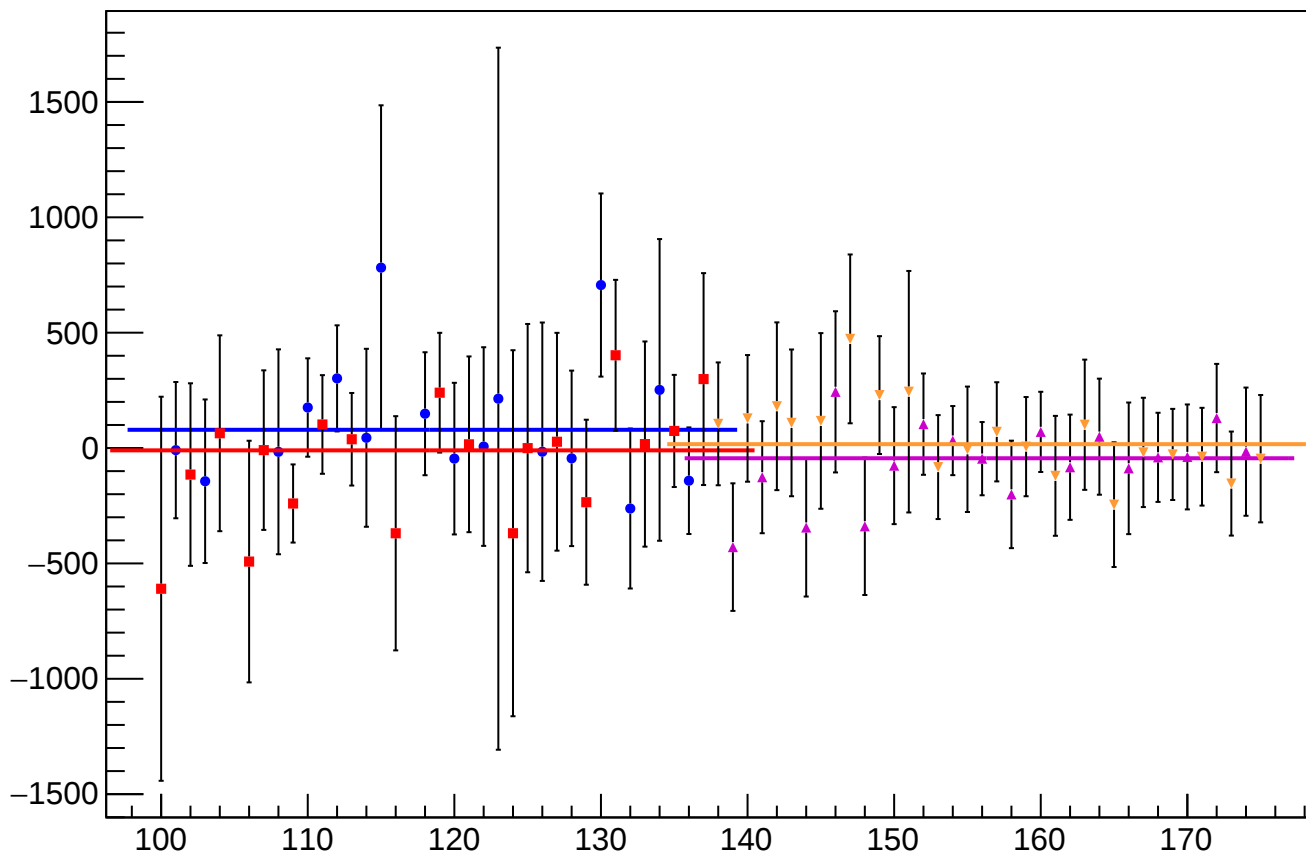
Left In: 180.035 $\pm$ 0.036 χ^2 /NDF:1565721.1/17

+ sign 206.077 $\pm$ 0.033 χ^2 /NDF: 2295354.4/36

All: 190.289 $\pm$ 0.022 χ^2 /NDF: 5841059.0/73

- sign 177.649 $\pm$ 0.029 χ^2 /NDF: 3123059.6/36

asym_bcm_dg_us_mean vs Slug



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 16.866+/-58.287 χ^2/NDF : 5.4/19

Right Out: -9.982+/-73.310 χ^2/NDF : 7.9/18

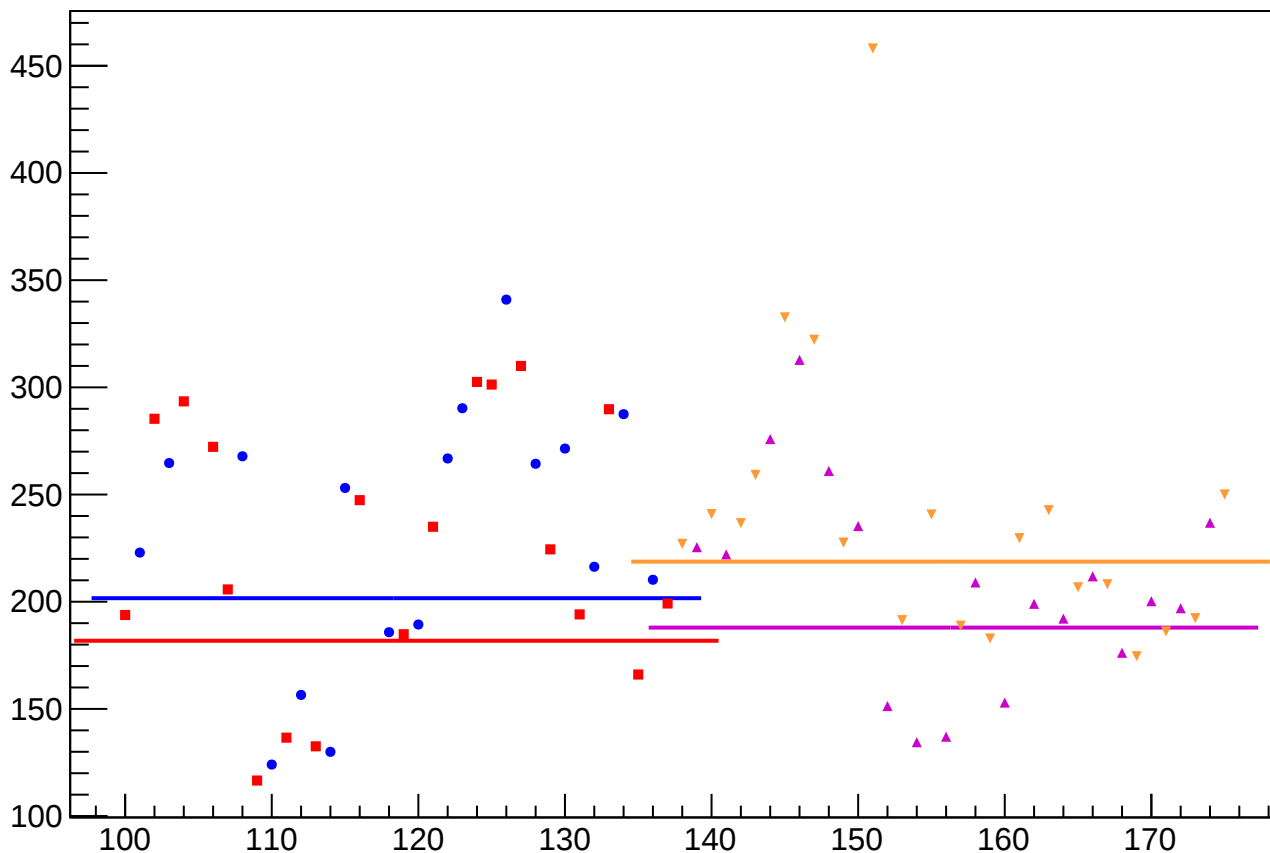
Left In: -44.208+/-52.891 χ^2/NDF : 7.1/17

+ sign 37.807+/-47.483 χ^2/NDF : 13.3/36

All: -0.903+/-31.829 χ^2/NDF : 29.6/73

- sign -32.491+/-42.893 χ^2/NDF : 15.1/36

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 218.710 $\pm$ 0.041 χ^2 /NDF:1175142.8/19

Right Out: 181.797 $\pm$ 0.052 χ^2 /NDF: 1377449.9/18

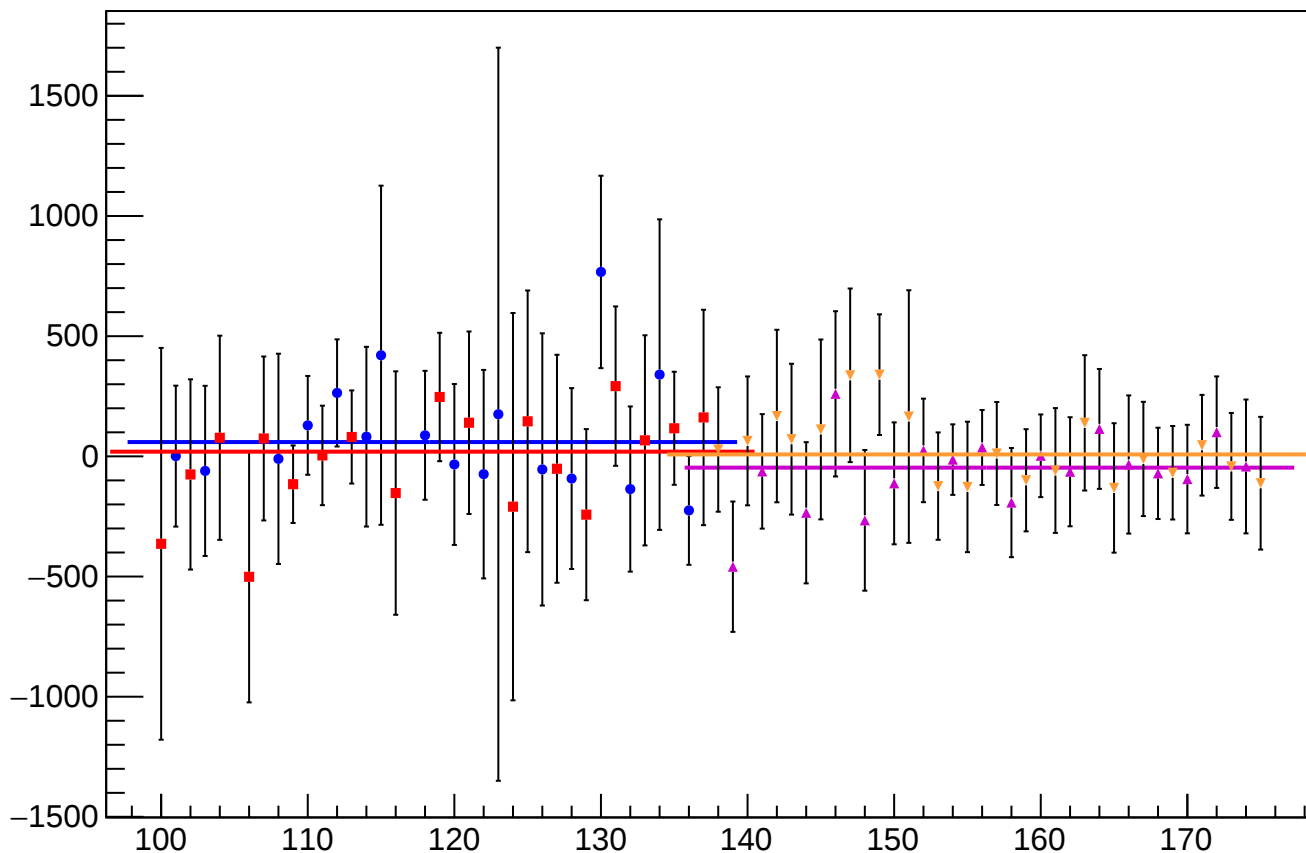
Left In: 187.932 $\pm$ 0.037 χ^2 /NDF:1406127.7/17

+ sign 212.973 $\pm$ 0.034 χ^2 /NDF: 2115923.3/36

All: 198.028 $\pm$ 0.023 χ^2 /NDF: 5268539.9/73

- sign 185.832 $\pm$ 0.030 χ^2 /NDF: 2792788.8/36

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 ± 80.808 χ^2/NDF : 7.0/16

Left Out: 8.016 ± 57.725 χ^2/NDF : 4.9/19

Right Out: 19.541 ± 71.866 χ^2/NDF : 4.7/18

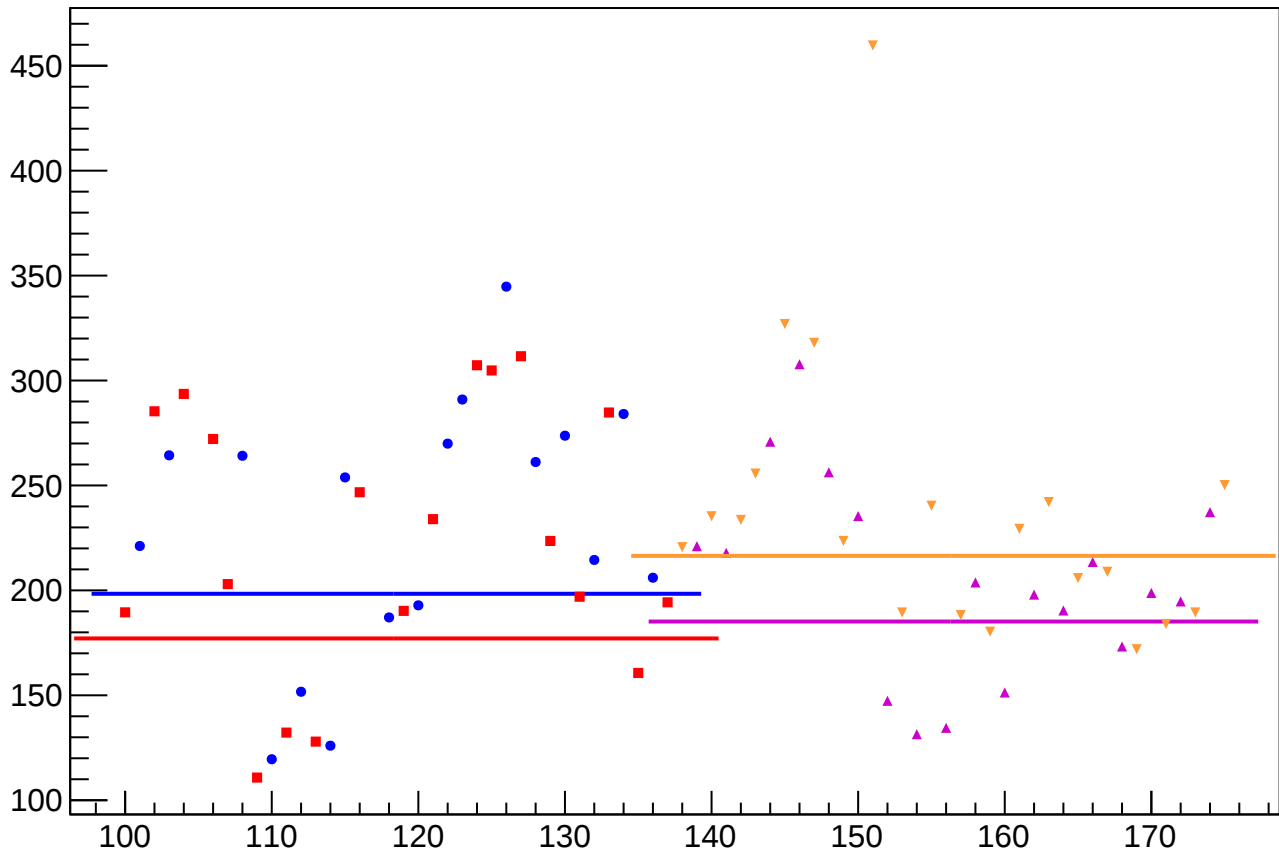
Left In: -46.936 ± 52.184 χ^2/NDF : 6.0/17

+ sign 25.409 ± 46.971 χ^2/NDF : 12.1/36

All: -1.908 ± 31.402 χ^2/NDF : 24.0/73

- sign -23.985 ± 42.226 χ^2/NDF : 11.3/36

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 216.455 $\pm$ 0.041 χ^2 /NDF:1184295.9/19

Right Out: 177.096 $\pm$ 0.051 χ^2 /NDF: 1524763.6/18

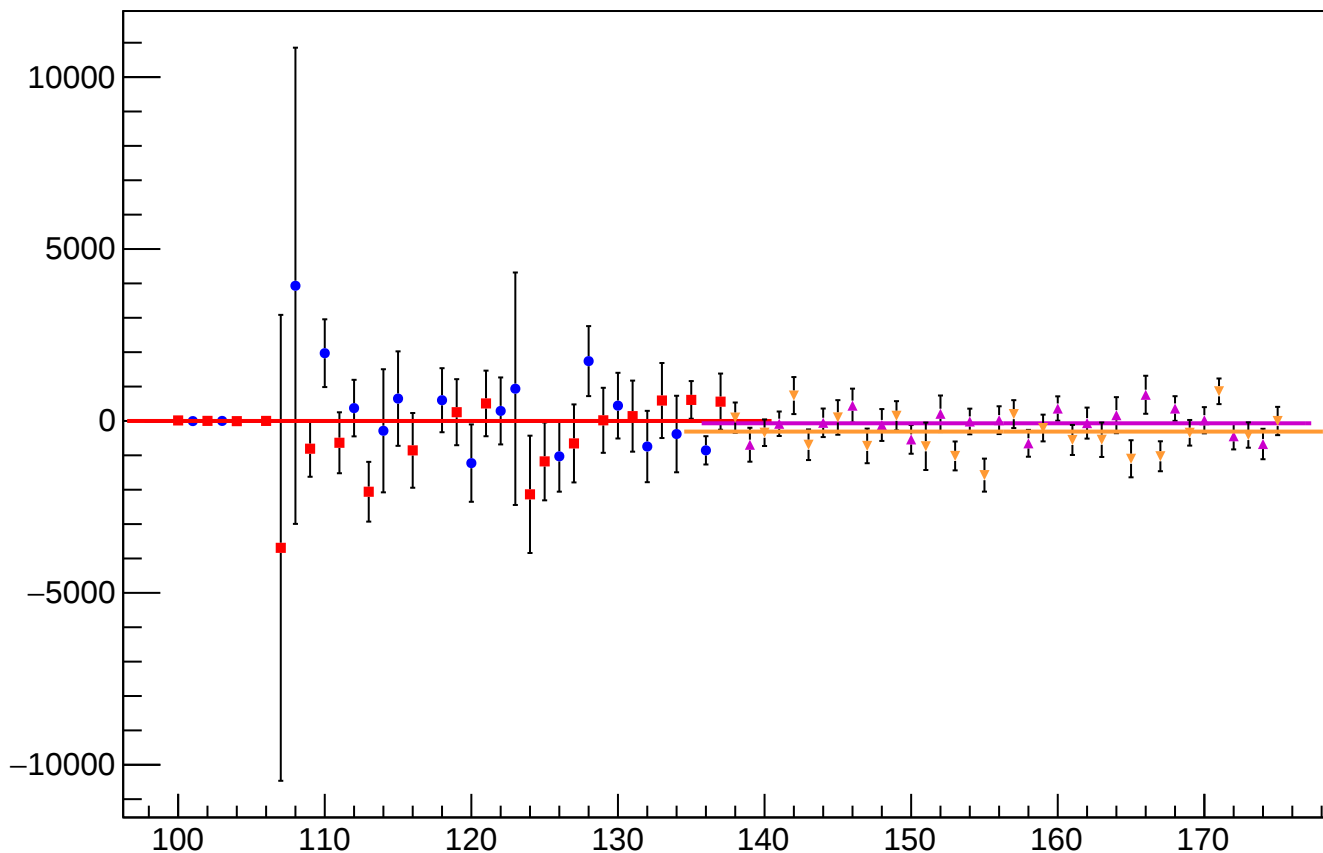
Left In: 185.155 $\pm$ 0.037 χ^2 /NDF:1440418.0/17

+ sign 210.347 $\pm$ 0.033 χ^2 /NDF: 2214235.6/36

All: 194.876 $\pm$ 0.022 χ^2 /NDF: 5588220.1/73

- sign 182.373 $\pm$ 0.030 χ^2 /NDF: 2981649.4/36

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -309.485 ± 97.998 χ^2/NDF : 35.6/19

Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

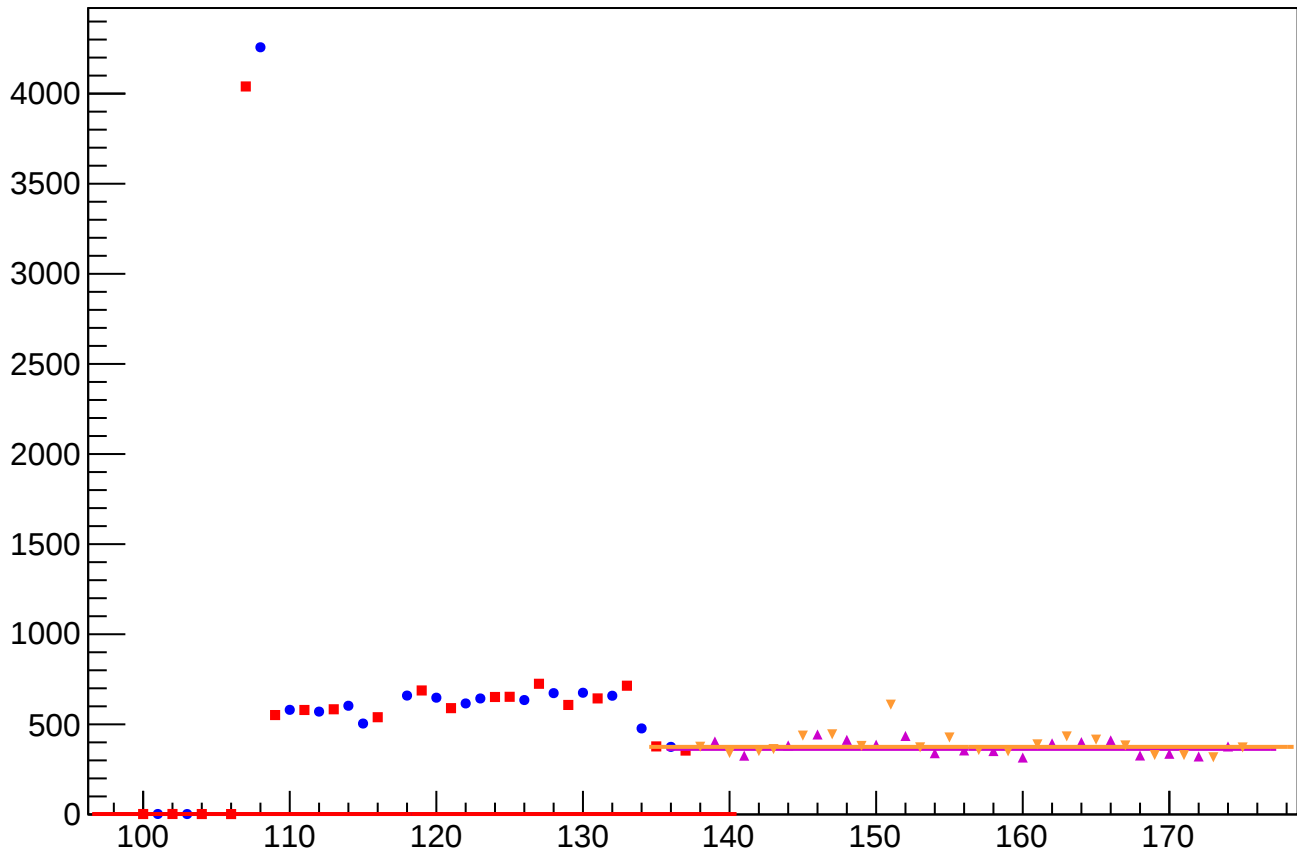
Left In: -68.155 ± 98.991 χ^2/NDF : 14.7/17

+ sign -1.692 ± 2.251 χ^2/NDF : 62.5/36

All: -1.195 ± 1.540 χ^2/NDF : 97.1/73

- sign -0.757 ± 2.111 χ^2/NDF : 34.5/36

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 375.016+/-0.069 χ^2/NDF : 505319.2/19

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

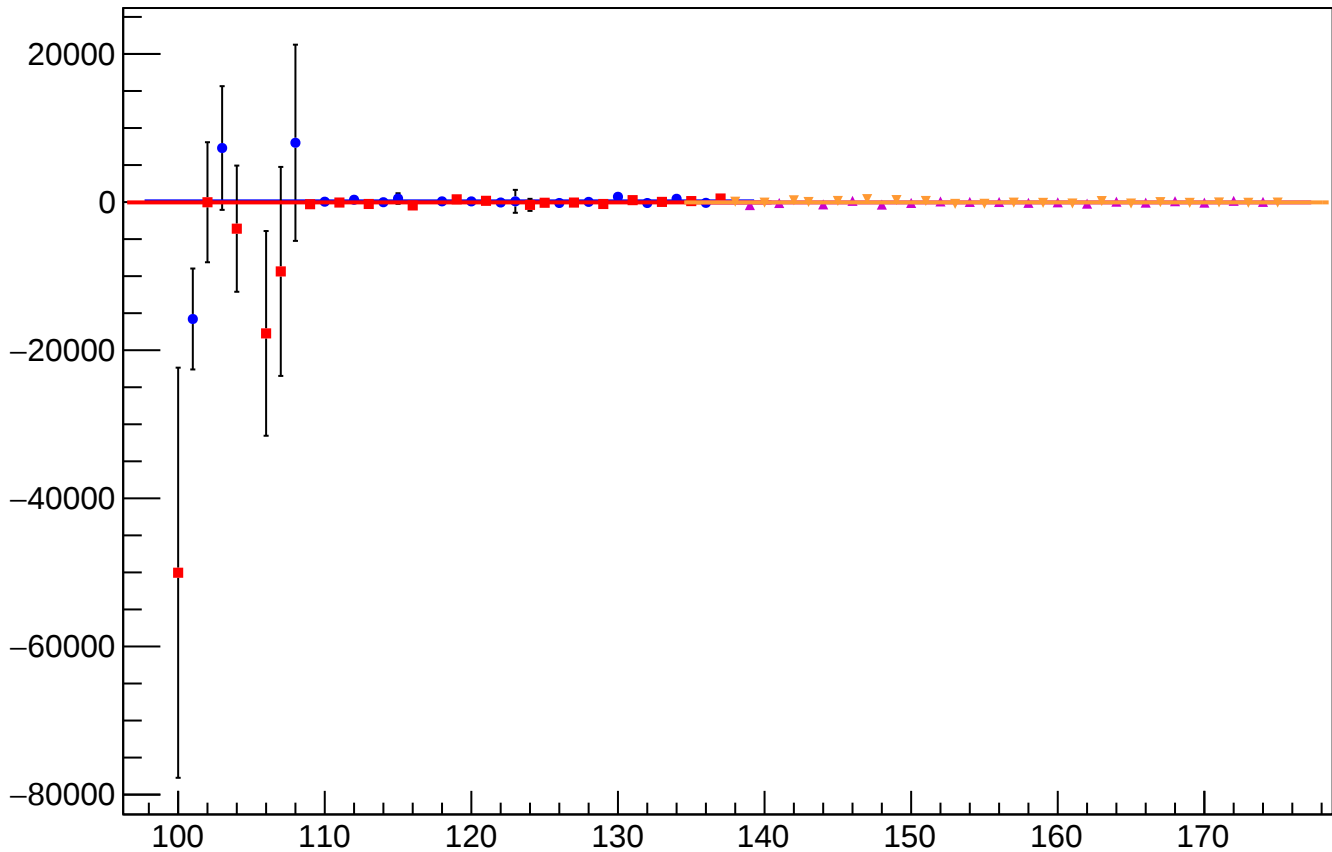
Left In: 363.933+/-0.070 χ^2/NDF : 297793.9/17

+ sign 2.653+/-0.002 χ^2/NDF : 40243879.0/36

All: 2.625+/-0.001 χ^2/NDF : 78348904.5/73

- sign 2.601+/-0.001 χ^2/NDF : 38104454.8/36

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: -41.031+/-60.112 χ^2/NDF : 6.2/19

Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

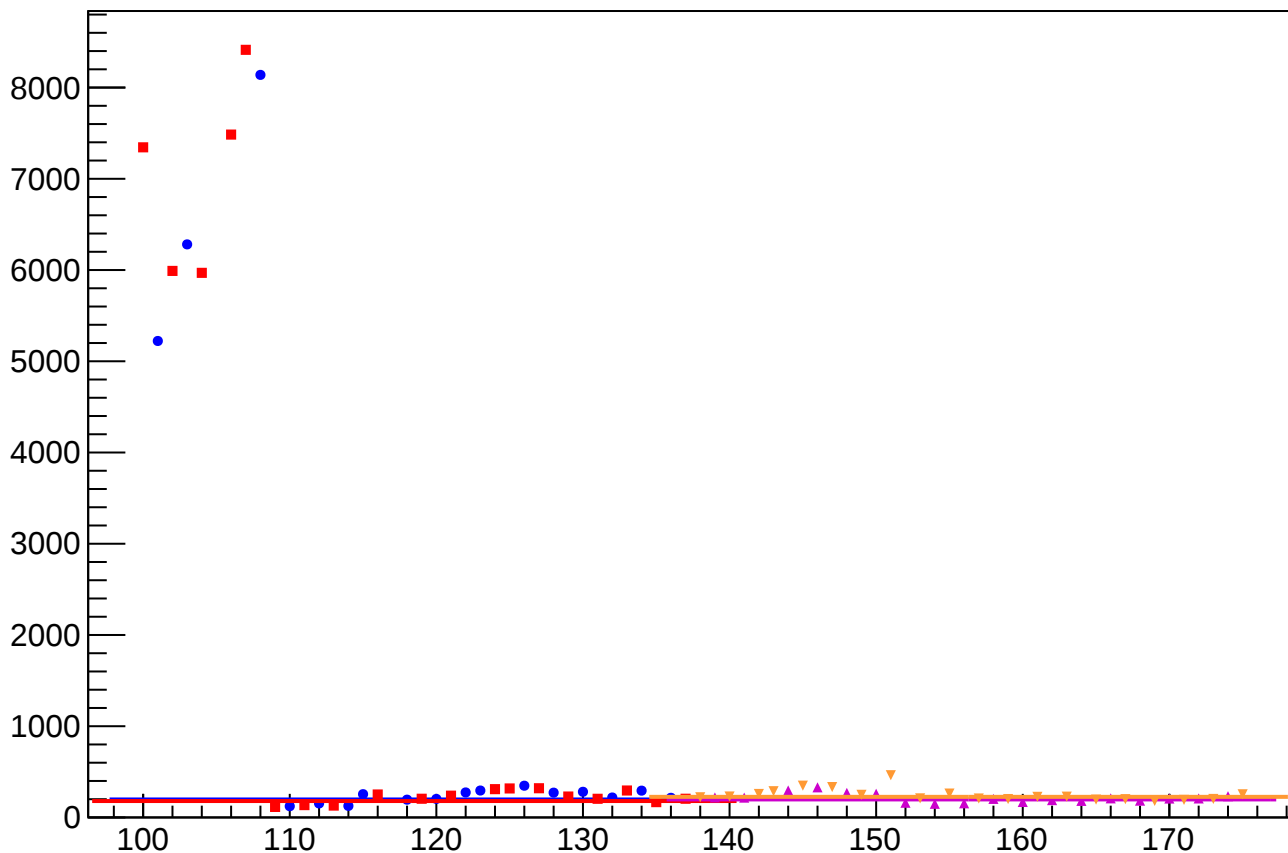
Left In: -41.958+/-55.225 χ^2/NDF : 6.8/17

+ sign 1.493+/-50.134 χ^2/NDF : 19.7/36

All: -22.047+/-33.985 χ^2/NDF : 40.8/73

- sign -42.061+/-46.227 χ^2/NDF : 20.7/36

asym_cav4cQ_rms vs Slug



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 225.888+/-0.043 χ^2/NDF : 1146967.6/19

Right Out: 179.949+/-0.060 χ^2/NDF : 4321173.8/18

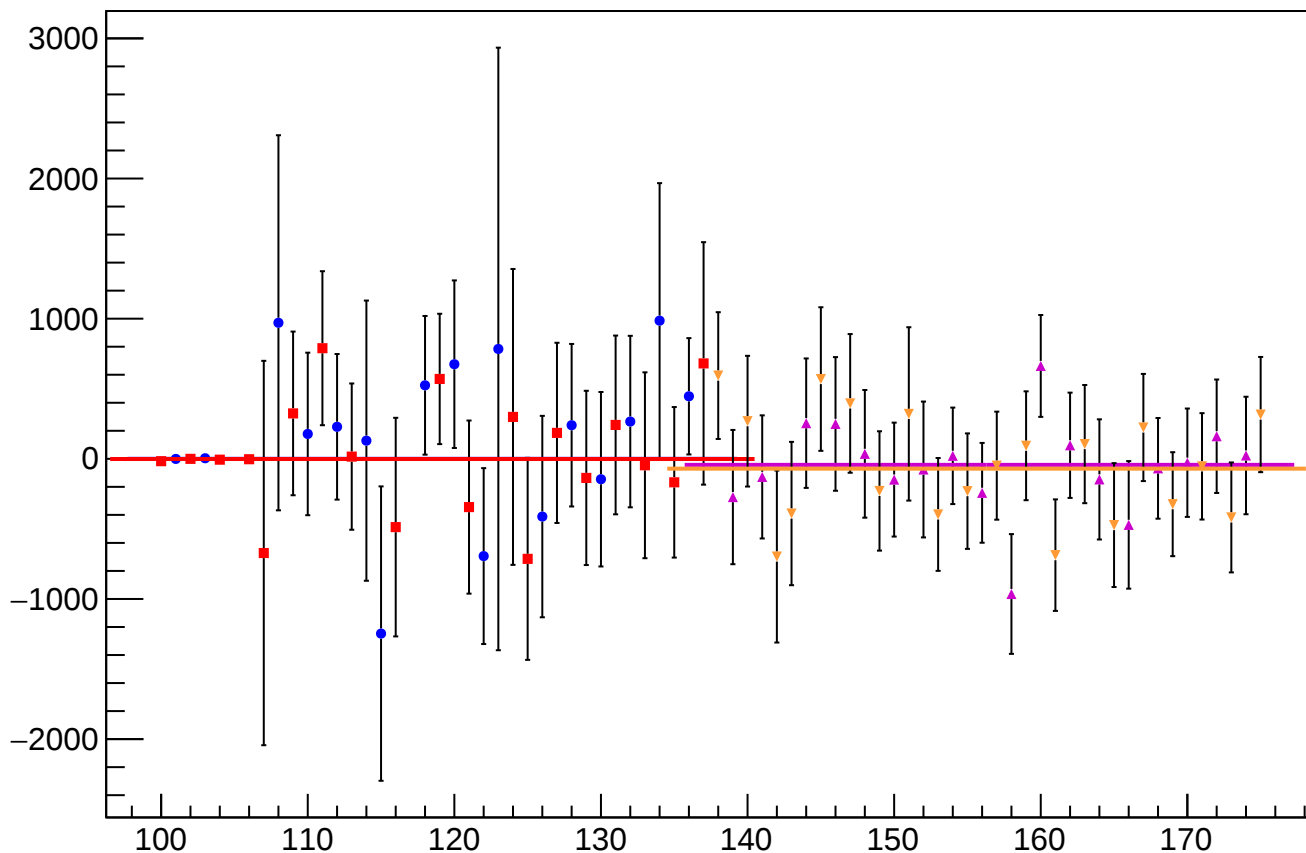
Left In: 197.536+/-0.039 χ^2/NDF : 1114281.9/17

+ sign 217.119+/-0.035 χ^2/NDF : 4980369.8/36

All: 203.690+/-0.024 χ^2/NDF : 10742051.3/73

- sign 192.272+/-0.033 χ^2/NDF : 5496164.2/36

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: -70.232 ± 96.255 χ^2/NDF : 14.2/19

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

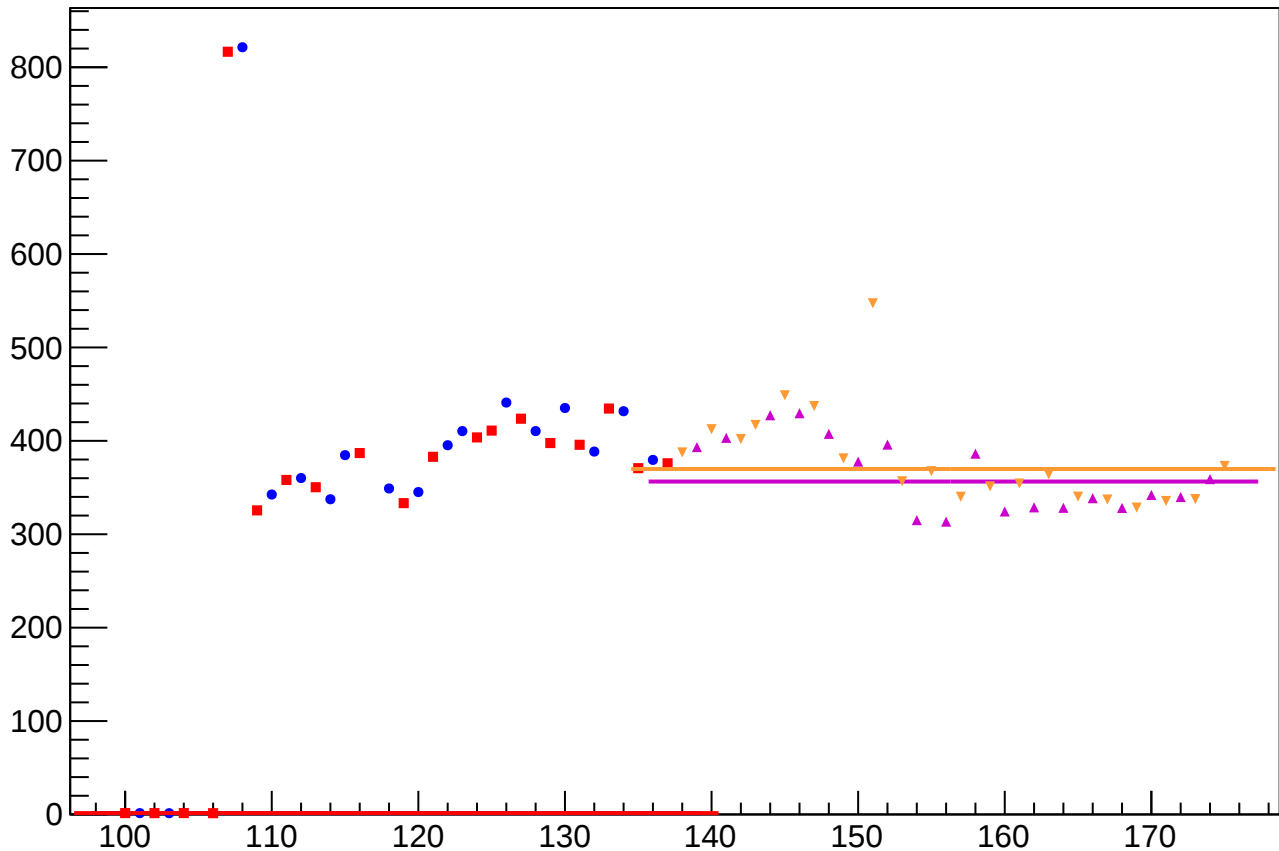
Left In: -43.094 ± 96.800 χ^2/NDF : 11.3/17

+ sign -0.161 ± 1.736 χ^2/NDF : 24.5/36

All: -0.788 ± 1.185 χ^2/NDF : 45.8/73

- sign -1.335 ± 1.622 χ^2/NDF : 21.1/36

asym_cav4dQ_rms vs Slug



Right In: 1.453 ± 0.001 $\chi^2/\text{NDF}: 10957986.8/16$

Left Out: 369.855 ± 0.068 $\chi^2/\text{NDF}: 393234.6/19$

Right Out: 1.451 ± 0.001 $\chi^2/\text{NDF}: 10880737.7/18$

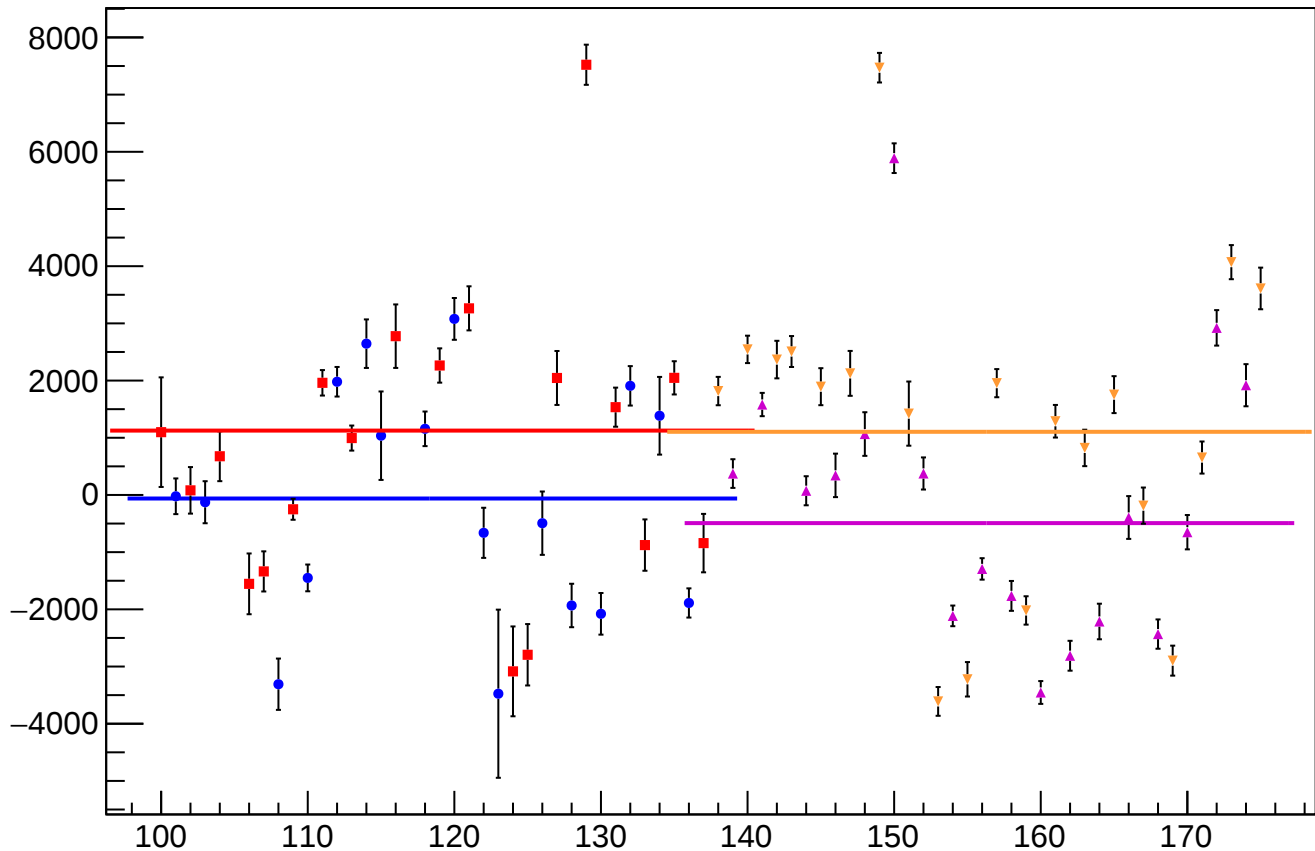
Left In: 356.426 ± 0.068 $\chi^2/\text{NDF}: 297040.9/17$

+ sign 1.573 ± 0.001 $\chi^2/\text{NDF}: 40638872.4/36$

All: 1.561 ± 0.001 $\chi^2/\text{NDF}: 78704597.3/73$

- sign 1.551 ± 0.001 $\chi^2/\text{NDF}: 38065554.5/36$

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 1104.282 ± 64.797 χ^2/NDF : 1837.0/19

Right Out: 1125.437 ± 78.370 χ^2/NDF : 671.2/18

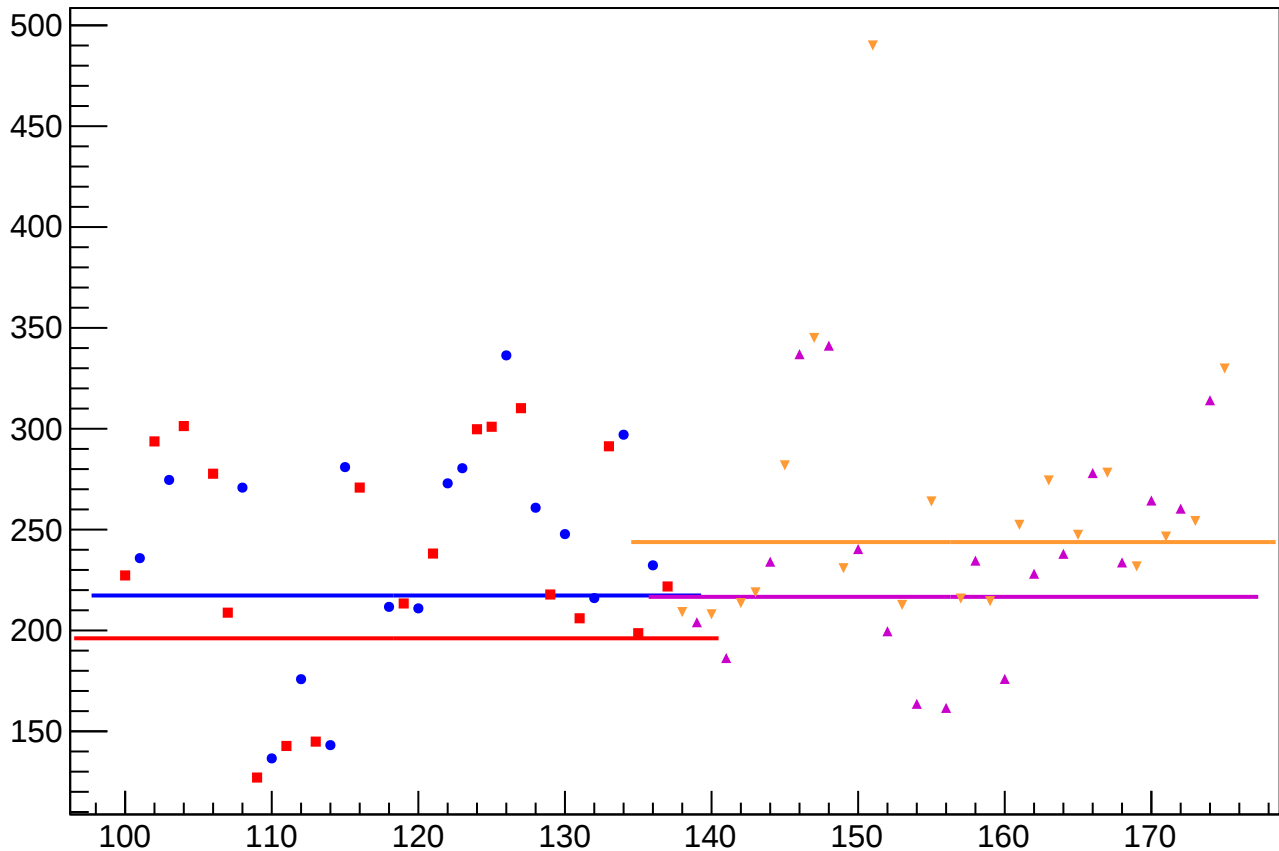
Left In: -492.278 ± 60.634 χ^2/NDF : 1430.7/17

+ sign 690.694 ± 52.057 χ^2/NDF : 2385.8/36

All: 378.460 ± 35.271 χ^2/NDF : 4820.7/73

- sign 113.482 ± 47.956 χ^2/NDF : 2368.4/36

asym_bcm0l02_rms vs Slug



Right In: 217.330 $\pm$ 0.062 χ^2 /NDF: 652722.5/16

Left Out: 243.820 $\pm$ 0.046 χ^2 /NDF: 924732.2/19

Right Out: 196.105 $\pm$ 0.055 χ^2 /NDF: 1190733.6/18

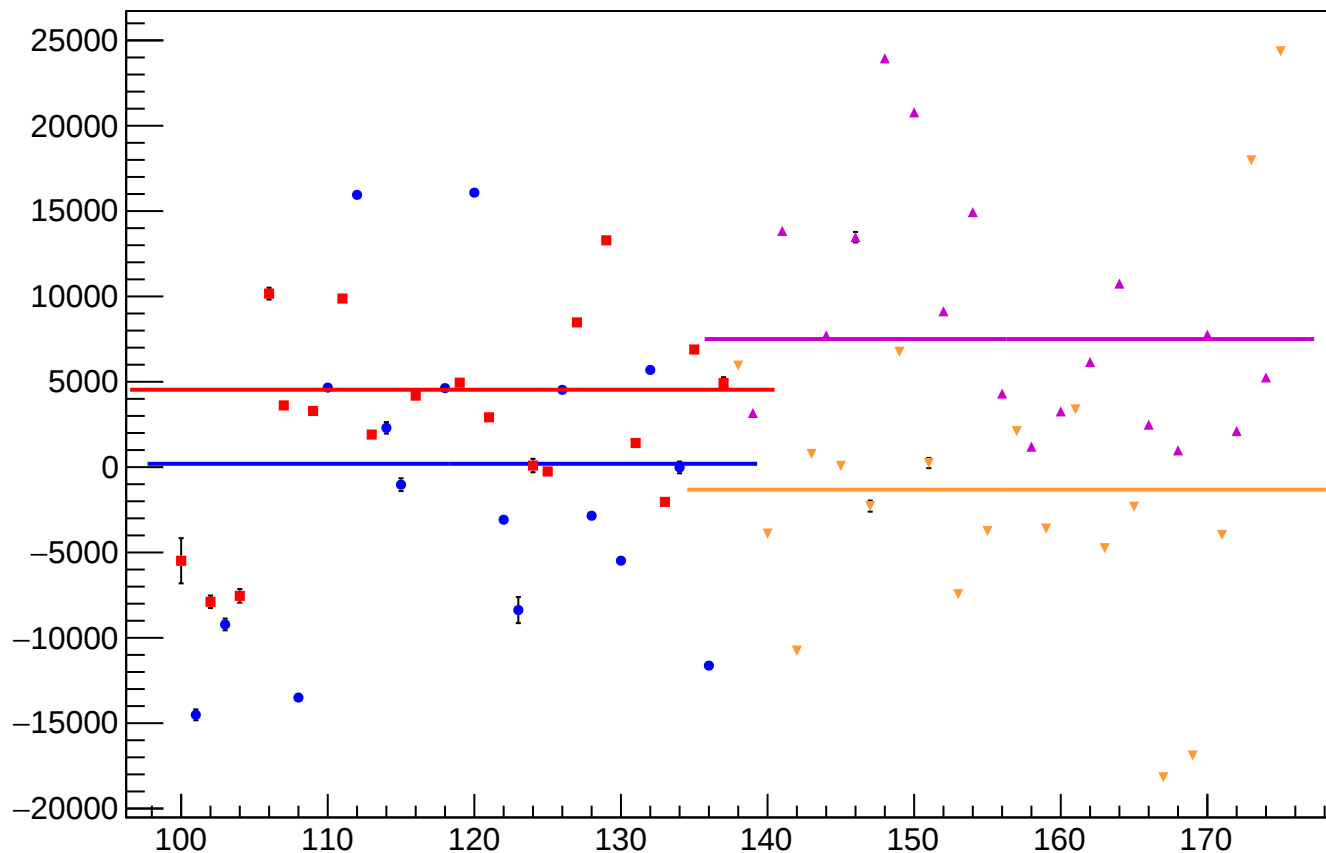
Left In: 216.666 $\pm$ 0.043 χ^2 /NDF: 1240110.3/17

+ sign 234.428 $\pm$ 0.037 χ^2 /NDF: 1695975.3/36

All: 220.655 $\pm$ 0.025 χ^2 /NDF: 4471724.3/73

- sign 208.967 $\pm$ 0.034 χ^2 /NDF: 2516956.3/36

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -1321.016+/-44.909 χ^2/NDF : 45094.8/19

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

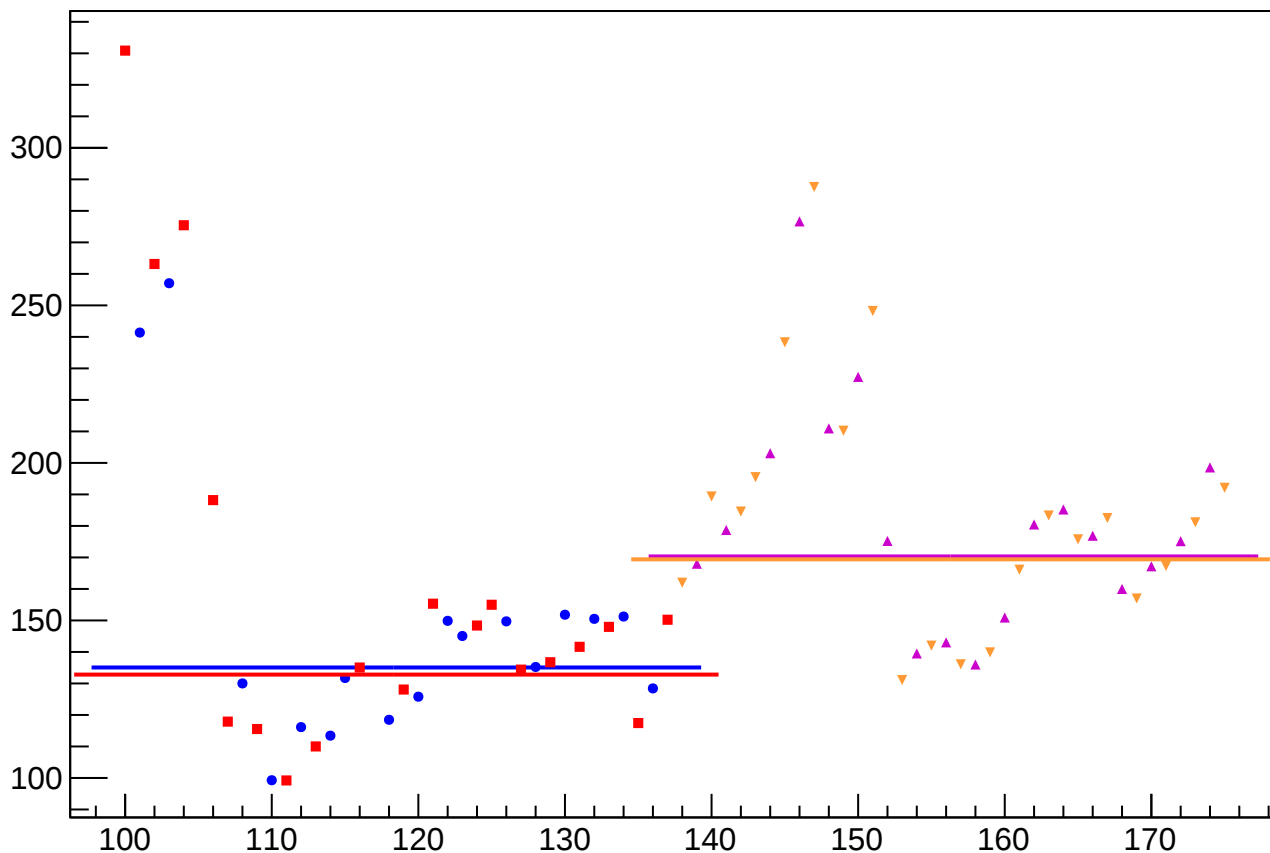
Left In: 7503.576+/-47.096 χ^2/NDF : 17289.1/17

+ sign -711.103+/-34.735 χ^2/NDF : 76212.2/36

All: 2702.971+/-24.670 χ^2/NDF : 122248.2/73

- sign 6178.466+/-35.046 χ^2/NDF : 26540.4/36

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 169.400+/-0.032 χ^2/NDF : 1052531.6/19

Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

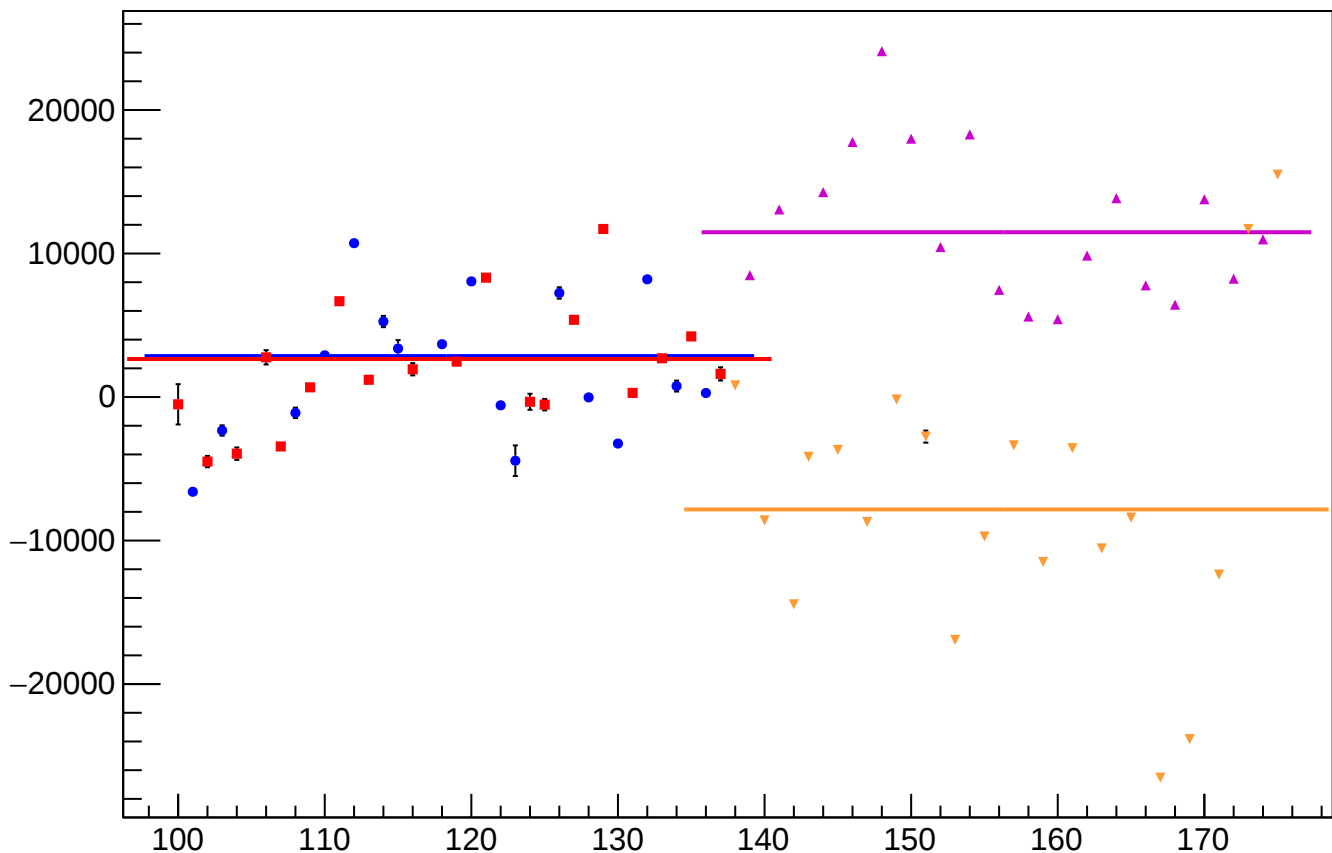
Left In: 170.315+/-0.033 χ^2/NDF : 769336.1/17

+ sign 155.608+/-0.025 χ^2/NDF : 2180755.5/36

All: 154.603+/-0.017 χ^2/NDF : 4350491.9/73

- sign 153.581+/-0.025 χ^2/NDF : 2166362.3/36

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -7833.022+/-50.761 χ^2/NDF : 38131.8/19

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

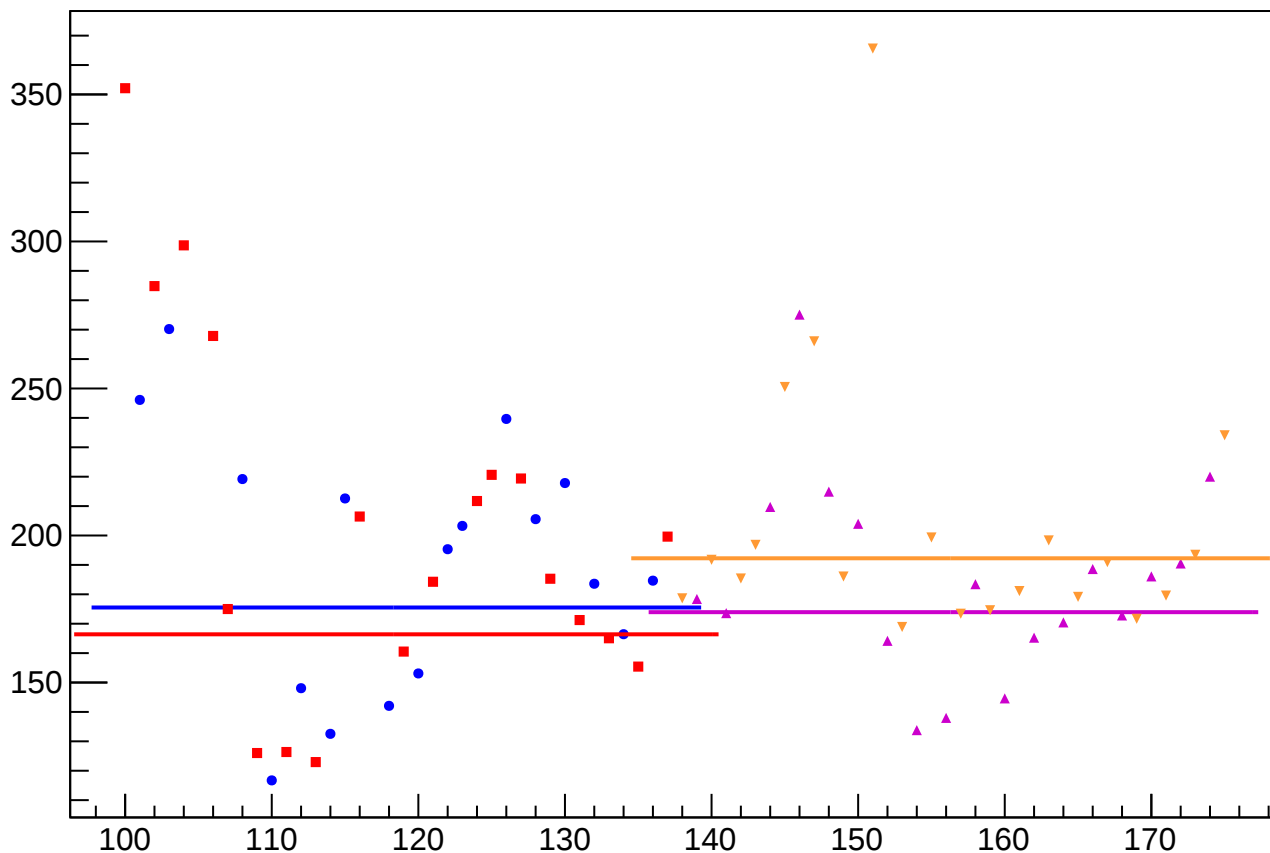
Left In: 11482.198+/-48.179 χ^2/NDF : 10807.9/17

+ sign -4202.365+/-41.244 χ^2/NDF : 57365.0/36

All: 2471.318+/-28.283 χ^2/NDF : 132518.6/73

- sign 8395.179+/-38.858 χ^2/NDF : 25731.0/36

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 192.250 $\pm$ 0.036 χ^2 /NDF: 711071.0/19

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

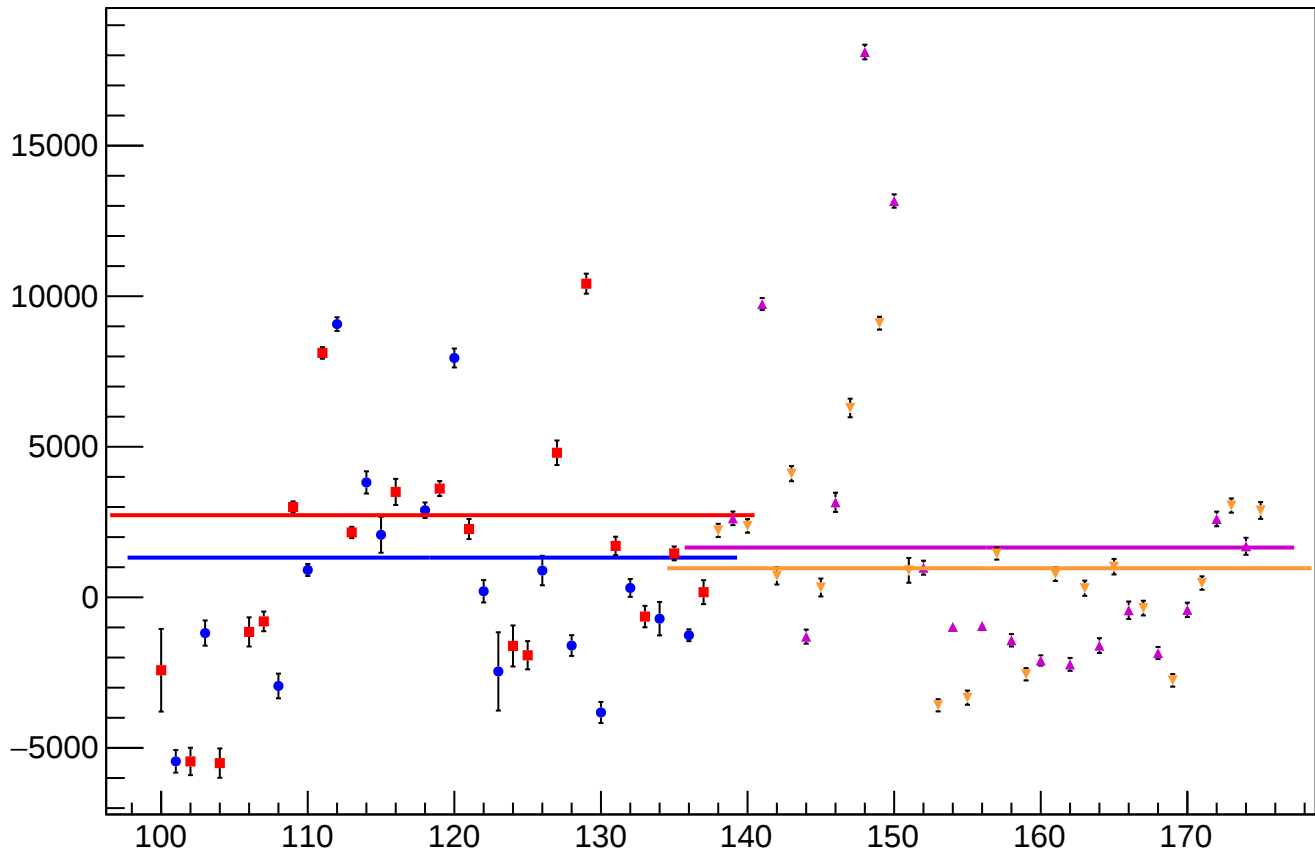
Left In: 173.928 $\pm$ 0.034 χ^2 /NDF: 776592.7/17

+ sign 186.563 $\pm$ 0.029 χ^2 /NDF: 1474584.2/36

All: 178.474 $\pm$ 0.020 χ^2 /NDF: 3343004.8/73

- sign 171.295 $\pm$ 0.027 χ^2 /NDF: 1723225.3/36

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 965.786+/-53.619 χ^2/NDF : 3603.5/19

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

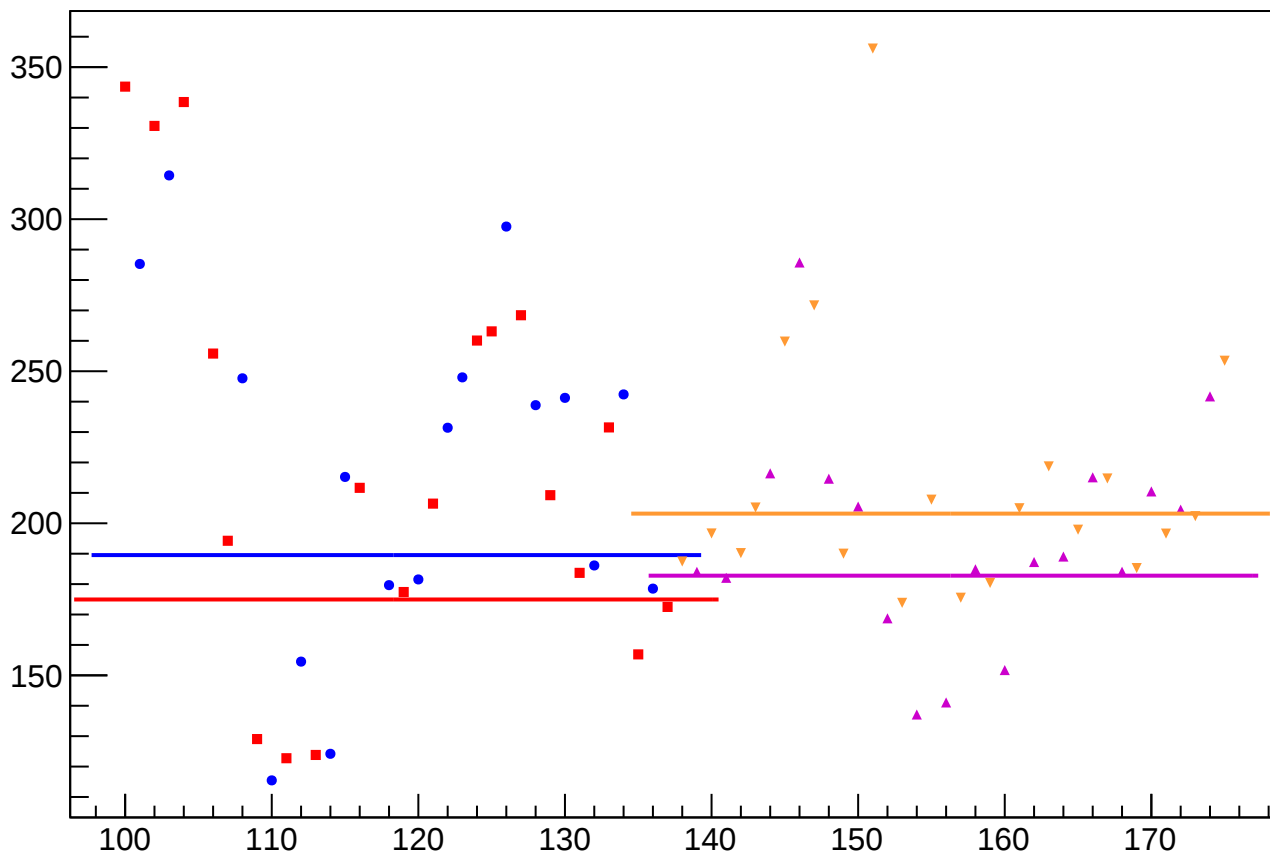
Left In: 1653.949+/-50.720 χ^2/NDF : 11302.8/17

+ sign 1080.839+/-44.029 χ^2/NDF : 6284.6/36

All: 1584.779+/-30.036 χ^2/NDF : 20482.6/73

- sign 2023.439+/-41.078 χ^2/NDF : 13952.9/36

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 203.180 $\pm$ 0.038 χ^2 /NDF: 668977.3/19

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

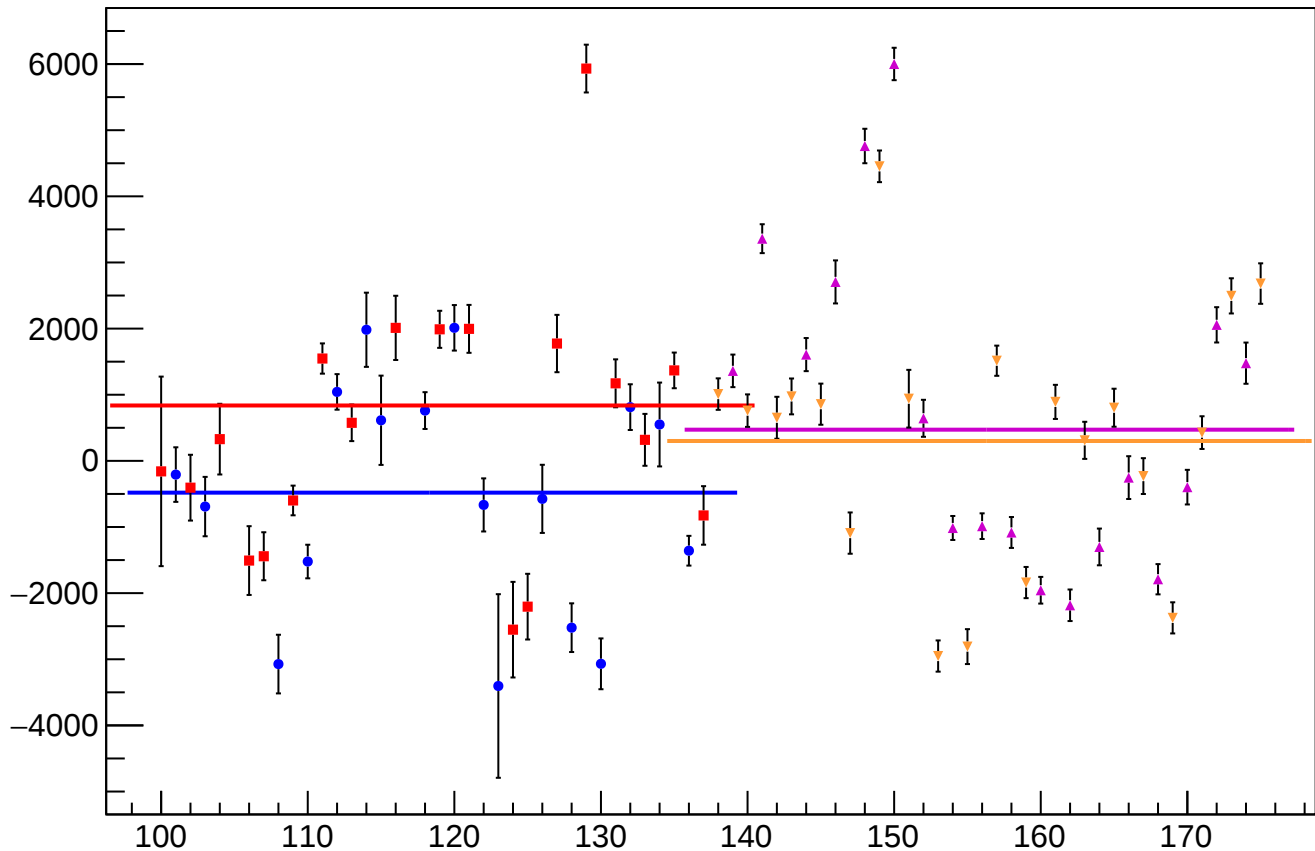
Left In: 182.774 $\pm$ 0.036 χ^2 /NDF: 846531.0/17

+ sign 198.739 $\pm$ 0.031 χ^2 /NDF: 1691853.1/36

All: 188.763 $\pm$ 0.021 χ^2 /NDF: 4043927.6/73

- sign 180.080 $\pm$ 0.029 χ^2 /NDF: 2160040.6/36

asym_bpm0i07WS_mean vs Slug



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 300.595+/-59.415 χ^2/NDF : 1055.6/19

Right Out: 837.442+/-82.243 χ^2/NDF : 435.3/18

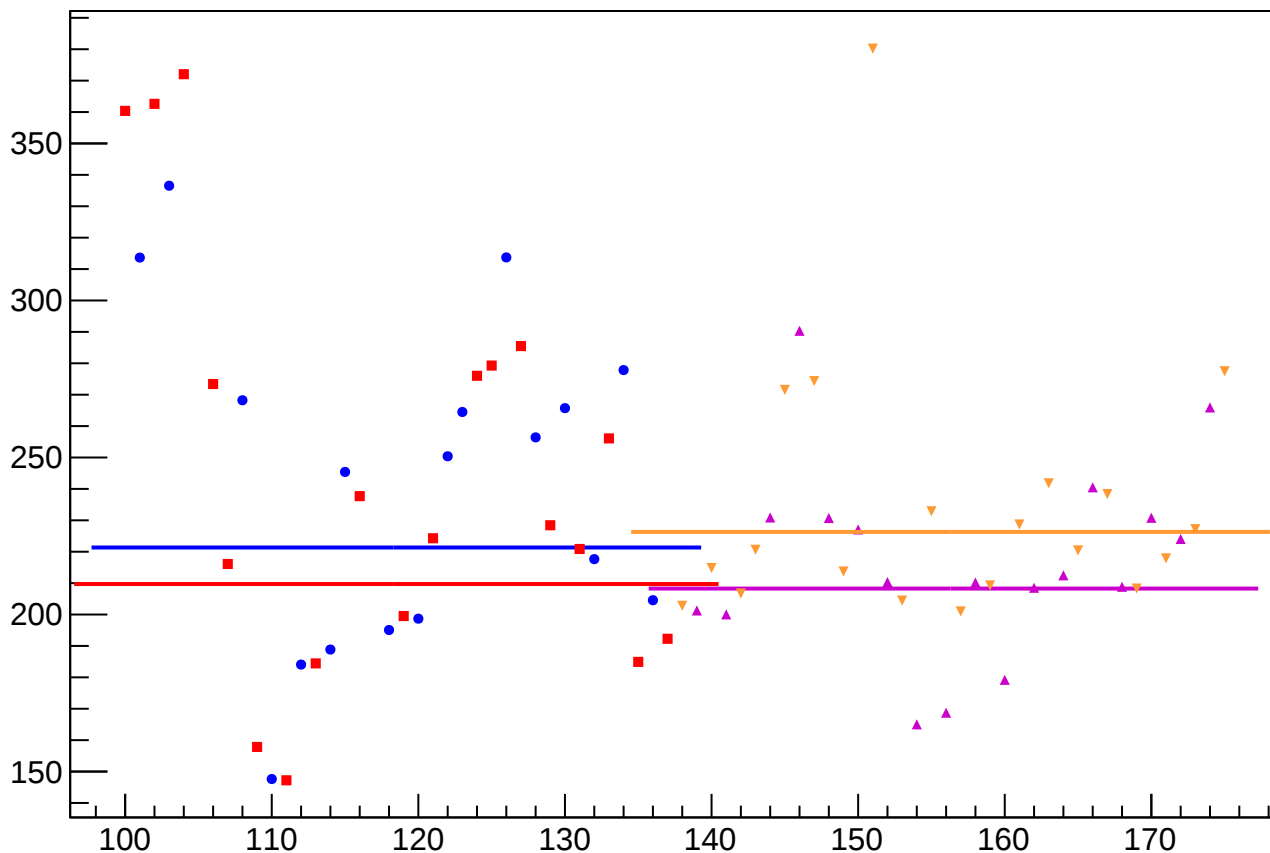
Left In: 471.622+/-57.258 χ^2/NDF : 1673.4/17

+ sign 58.424+/-49.354 χ^2/NDF : 1399.9/36

All: 337.788+/-34.032 χ^2/NDF : 3583.0/73

- sign 591.049+/-46.991 χ^2/NDF : 2122.0/36

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 226.312 $\pm$ 0.042 χ^2 /NDF: 510947.7/19

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

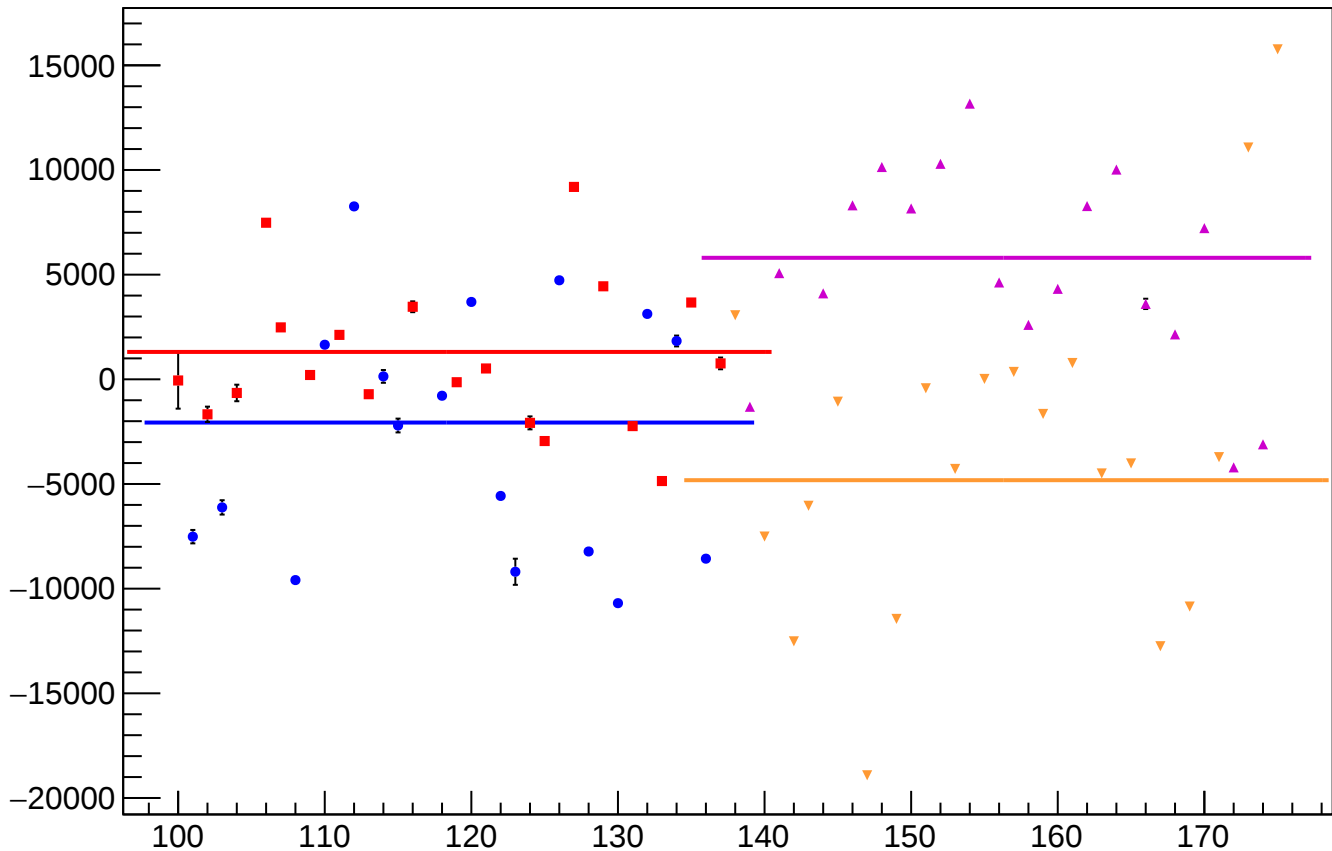
Left In: 208.270 $\pm$ 0.040 χ^2 /NDF: 523879.0/17

+ sign 224.771 $\pm$ 0.035 χ^2 /NDF: 1160973.3/36

All: 216.364 $\pm$ 0.024 χ^2 /NDF: 2679832.0/73

- sign 208.742 $\pm$ 0.033 χ^2 /NDF: 1408213.3/36

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -4818.637 ± 35.131 $\chi^2/\text{NDF}: 44911.8/19$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

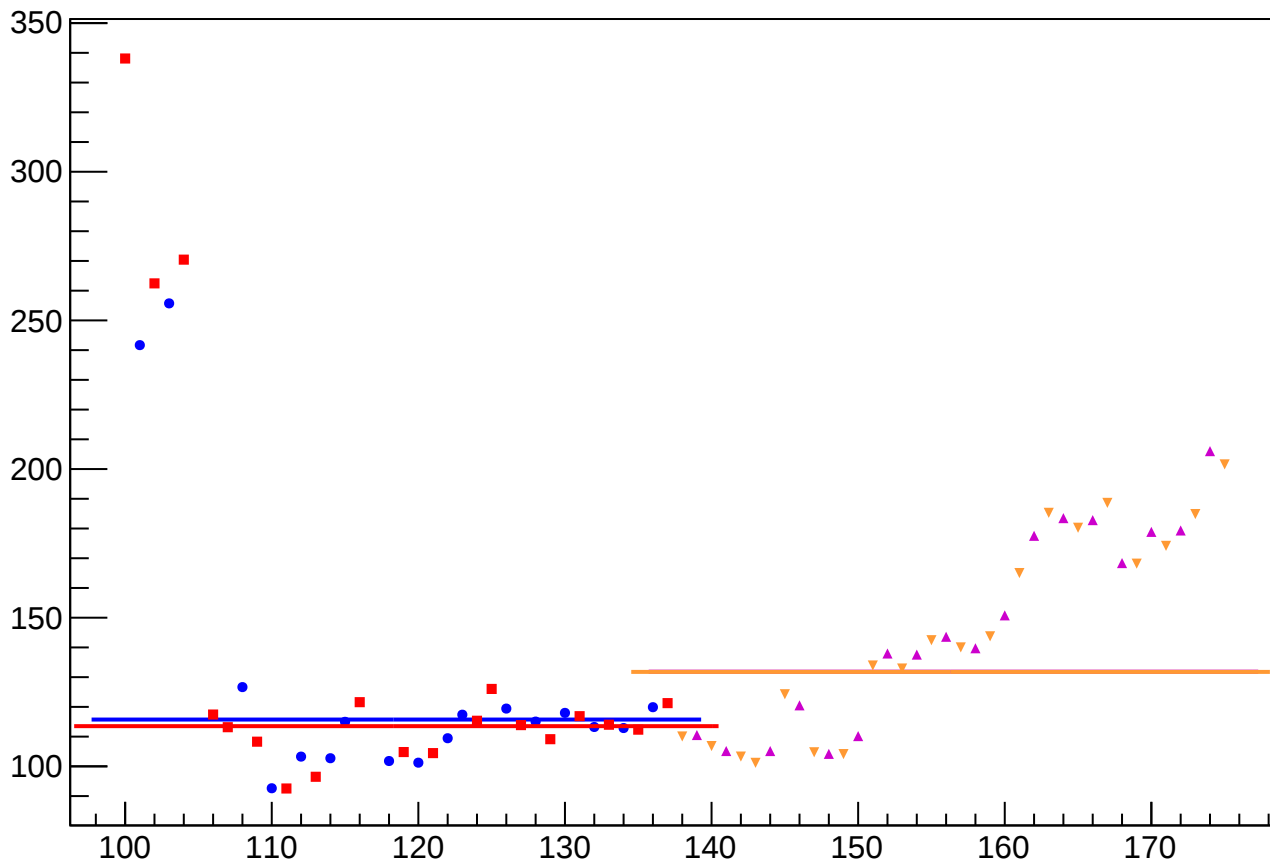
Left In: 5804.384 ± 36.451 $\chi^2/\text{NDF}: 13396.4/17$

+ sign -3840.296 ± 28.208 $\chi^2/\text{NDF}: 63627.7/36$

All: 75.232 ± 19.987 $\chi^2/\text{NDF}: 127642.0/73$

- sign 4023.255 ± 28.325 $\chi^2/\text{NDF}: 25317.7/36$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 131.770+/-0.025 χ^2/NDF :1461629.3/19

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

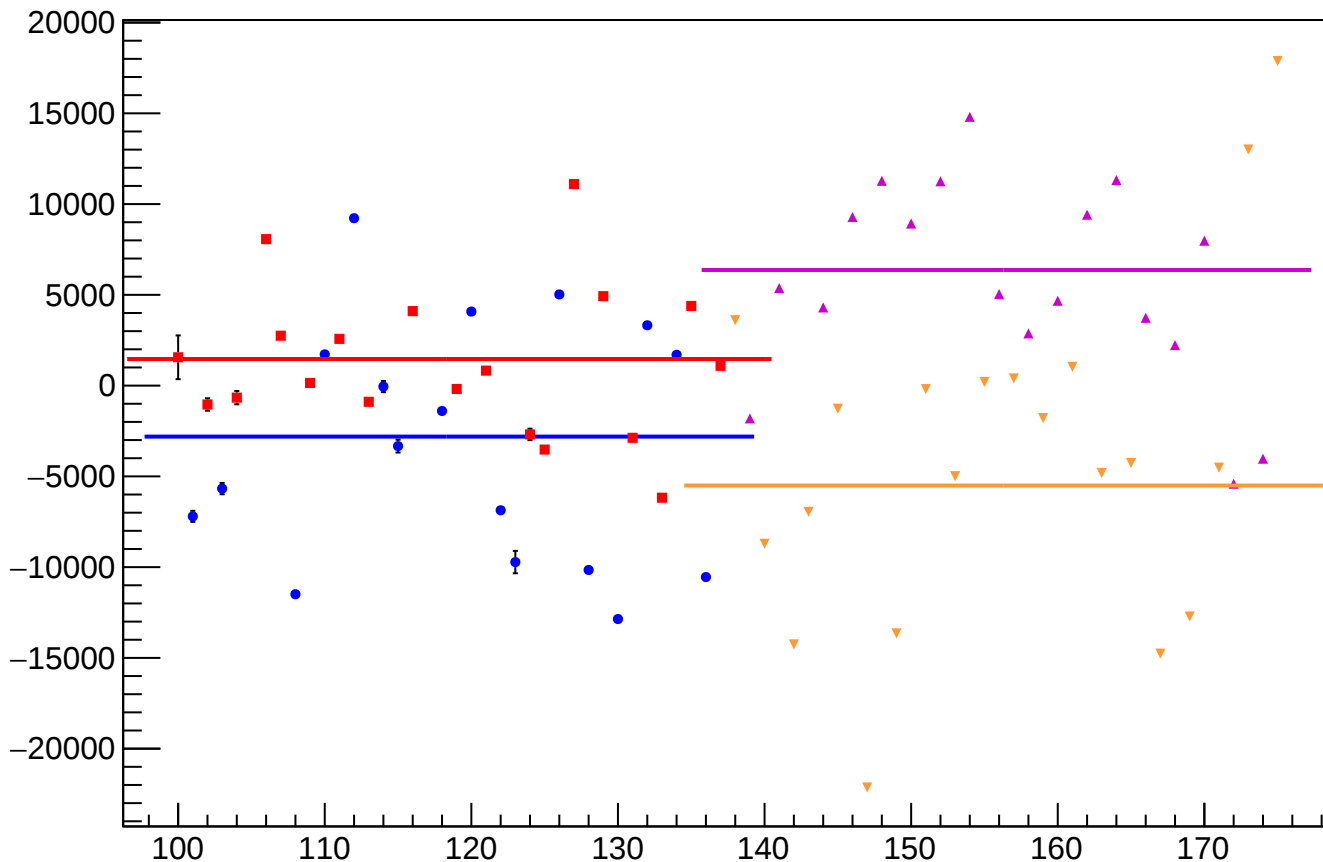
Left In: 131.843+/-0.026 χ^2/NDF :1252580.1/17

+ sign 126.075+/-0.020 χ^2/NDF : 2353591.0/36

All: 125.332+/-0.014 χ^2/NDF : 4605819.0/73

- sign 124.583+/-0.020 χ^2/NDF : 2249444.5/36

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101+/-48.284 χ^2/NDF : 21263.1/16

Left Out: -5505.397+/-37.359 χ^2/NDF : 52643.9/19

Right Out: 1465.074+/-46.394 χ^2/NDF : 8004.7/18

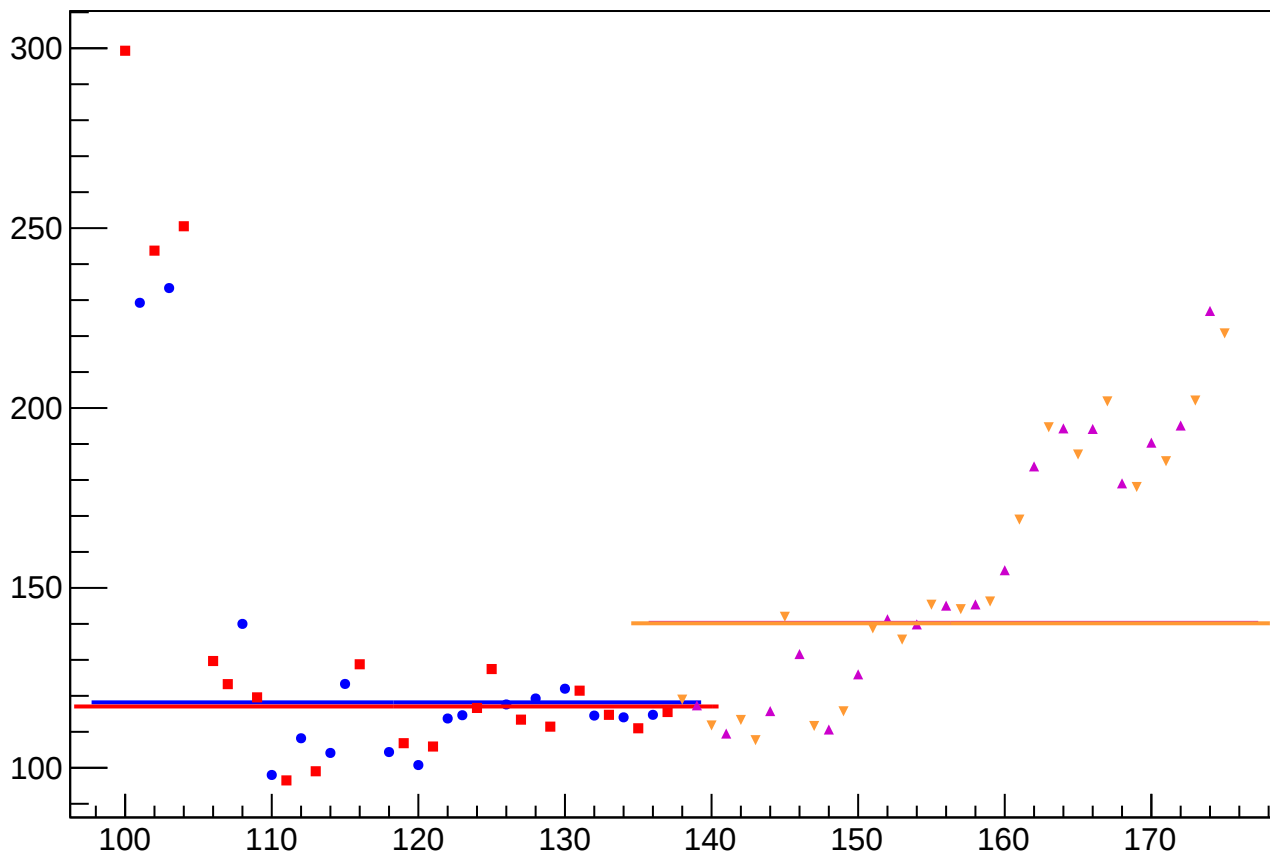
Left In: 6369.898+/-38.774 χ^2/NDF : 15668.1/17

+ sign -4495.716+/-29.547 χ^2/NDF : 75857.6/36

All: -101.906+/-20.965 χ^2/NDF : 150644.2/73

- sign 4352.882+/-29.751 χ^2/NDF : 30253.3/36

asym_bpm2i01WS_rms vs Slug



Right In: 118.188 $\pm$ 0.034 χ^2 /NDF: 636252.0/16

Left Out: 140.165 $\pm$ 0.026 χ^2 /NDF:1382964.8/19

Right Out: 117.046 $\pm$ 0.033 χ^2 /NDF: 690635.5/18

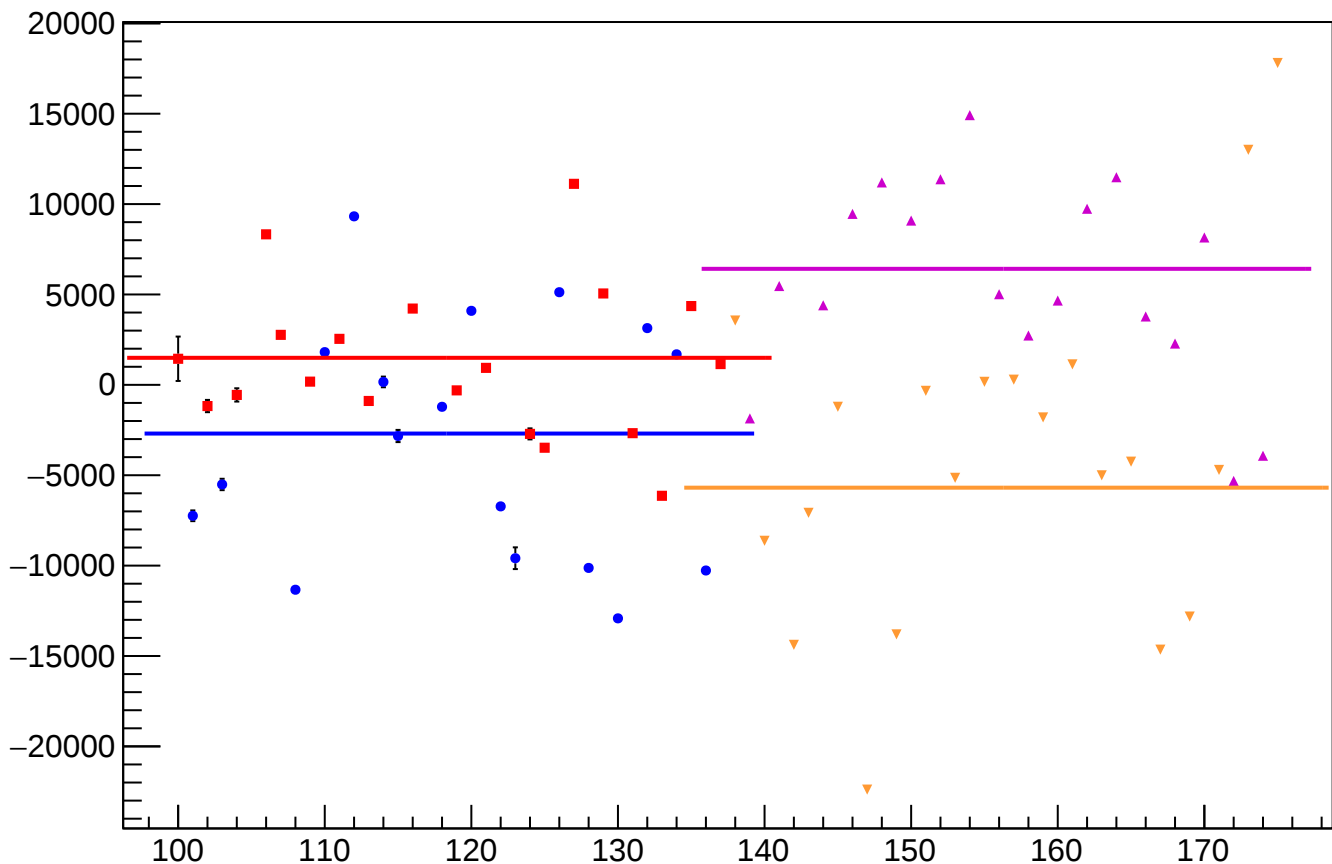
Left In: 140.285 $\pm$ 0.027 χ^2 /NDF:1182661.1/17

+ sign 131.935 $\pm$ 0.021 χ^2 /NDF: 2278393.0/36

All: 131.336 $\pm$ 0.015 χ^2 /NDF: 4448815.7/73

- sign 130.728 $\pm$ 0.021 χ^2 /NDF: 2168765.7/36

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 $\pm$ 46.347 χ^2/NDF : 22860.3/16

Left Out: -5688.275 $\pm$ 36.470 χ^2/NDF : 56850.0/19

Right Out: 1495.744 $\pm$ 44.445 χ^2/NDF : 8717.2/18

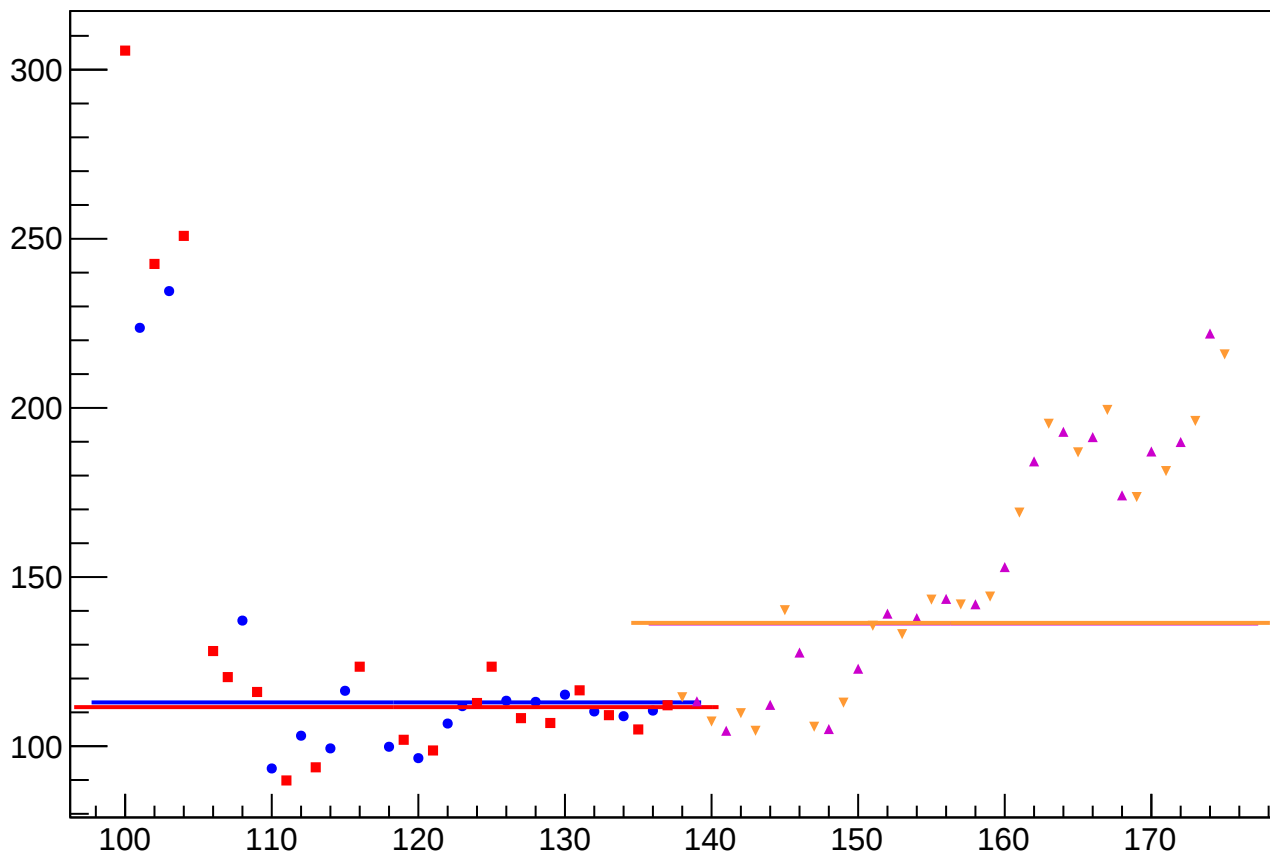
Left In: 6418.433 $\pm$ 37.775 χ^2/NDF : 16719.8/17

+ sign -4543.333 $\pm$ 28.661 χ^2/NDF : 82287.6/36

All: -113.699 $\pm$ 20.309 χ^2/NDF : 162825.3/73

- sign 4353.830 $\pm$ 28.783 χ^2/NDF : 32559.5/36

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 136.449 $\pm$ 0.026 χ^2 /NDF: 1496924.5/19

Right Out: 111.544 $\pm$ 0.031 χ^2 /NDF: 765502.6/18

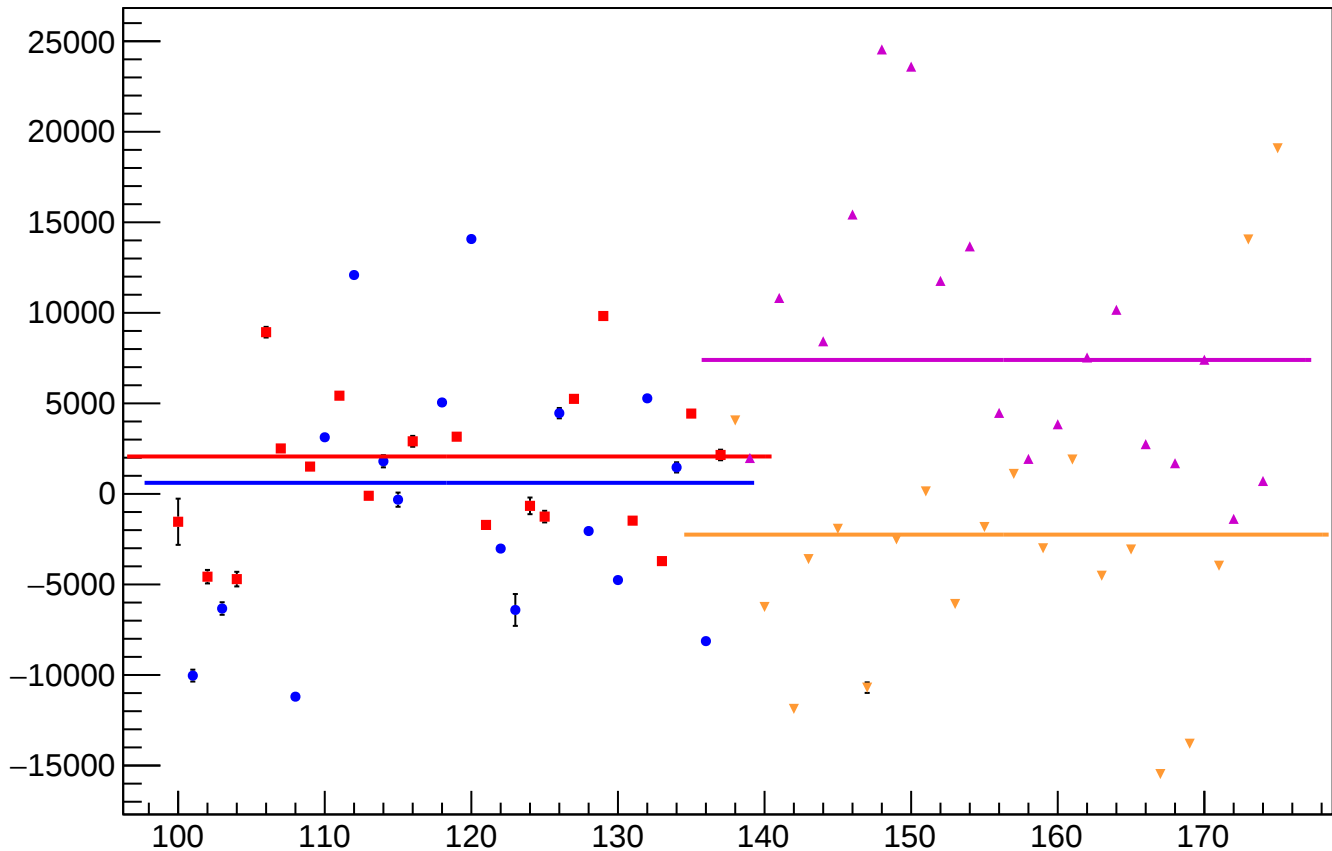
Left In: 136.271 $\pm$ 0.027 χ^2 /NDF: 1289300.0/17

+ sign 127.459 $\pm$ 0.020 χ^2 /NDF: 2495002.1/36

All: 126.683 $\pm$ 0.014 χ^2 /NDF: 4912188.0/73

- sign 125.900 $\pm$ 0.020 χ^2 /NDF: 2414239.5/36

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -2247.546 ± 41.955 $\chi^2/\text{NDF}: 30884.0/19$

Right Out: 2067.410 ± 53.931 $\chi^2/\text{NDF}: 4642.7/18$

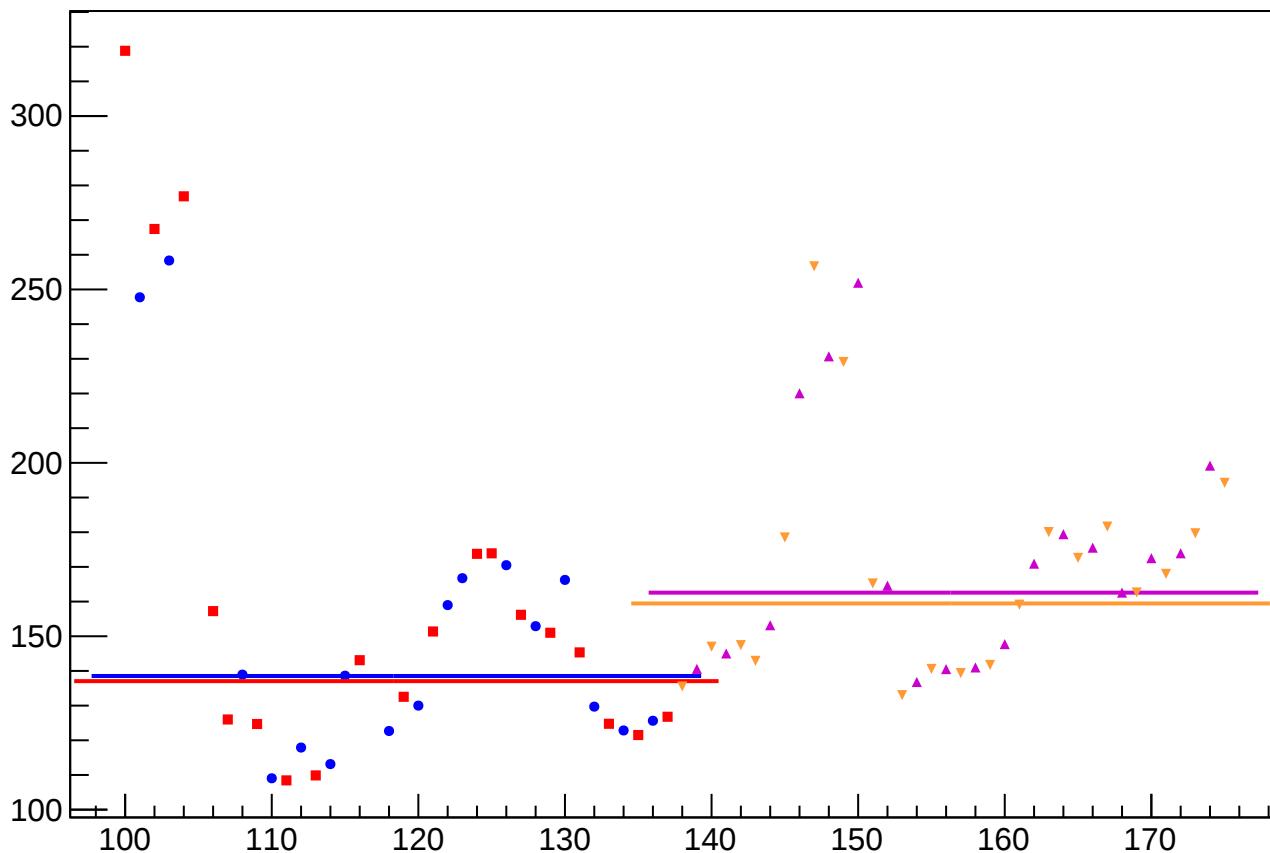
Left In: 7398.756 ± 44.563 $\chi^2/\text{NDF}: 18854.5/17$

+ sign -1220.763 ± 33.590 $\chi^2/\text{NDF}: 50795.9/36$

All: 1934.926 ± 24.017 $\chi^2/\text{NDF}: 98158.0/73$

- sign 5235.583 ± 34.353 $\chi^2/\text{NDF}: 29304.5/36$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 159.461 $\pm$ 0.030 χ^2 /NDF: 742820.6/19

Right Out: 137.061 $\pm$ 0.038 χ^2 /NDF: 755491.9/18

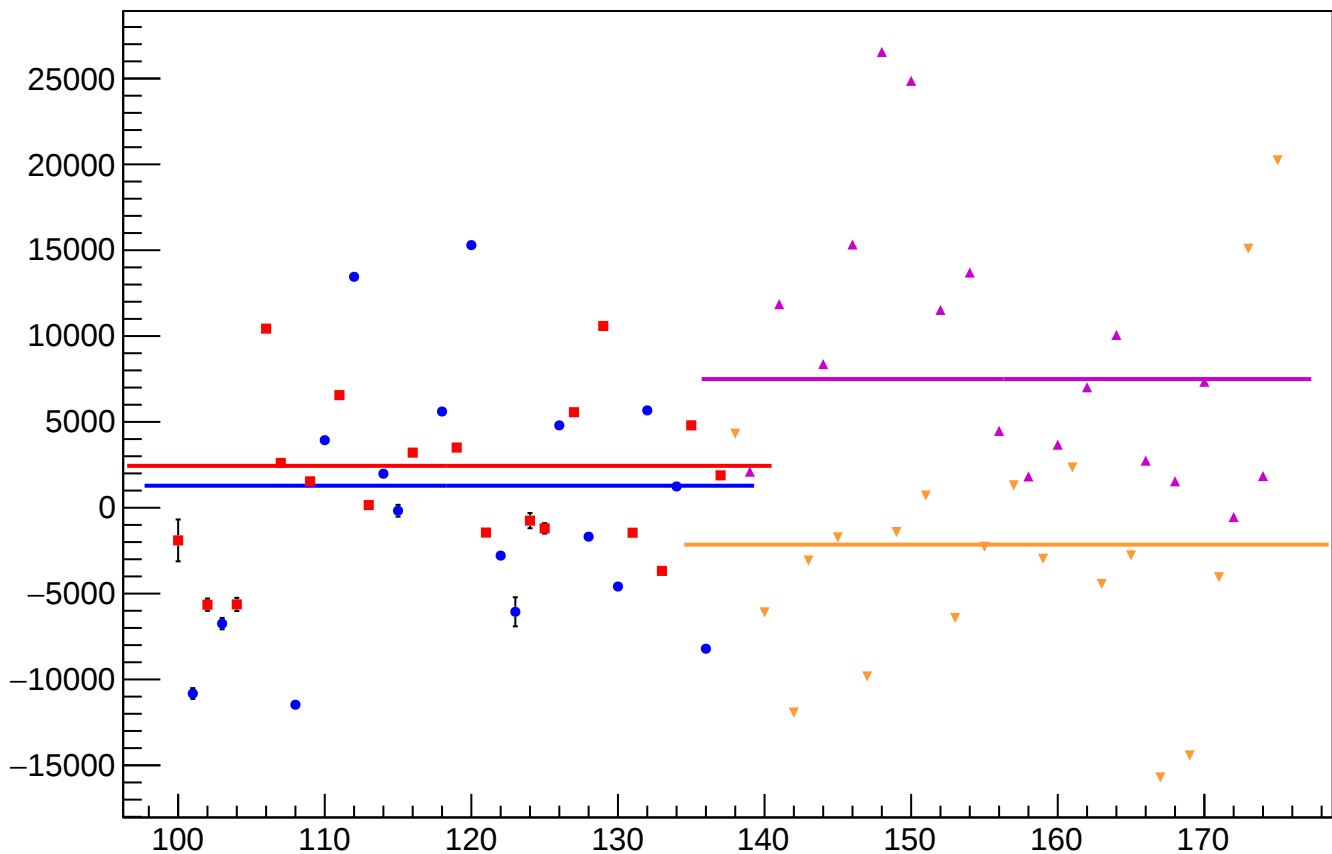
Left In: 162.574 $\pm$ 0.032 χ^2 /NDF: 756875.6/17

+ sign 151.951 $\pm$ 0.024 χ^2 /NDF: 1590261.6/36

All: 152.084 $\pm$ 0.017 χ^2 /NDF: 3368688.8/73

- sign 152.222 $\pm$ 0.024 χ^2 /NDF: 1778363.4/36

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -2147.125+/-37.727 χ^2/NDF : 38852.4/19

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

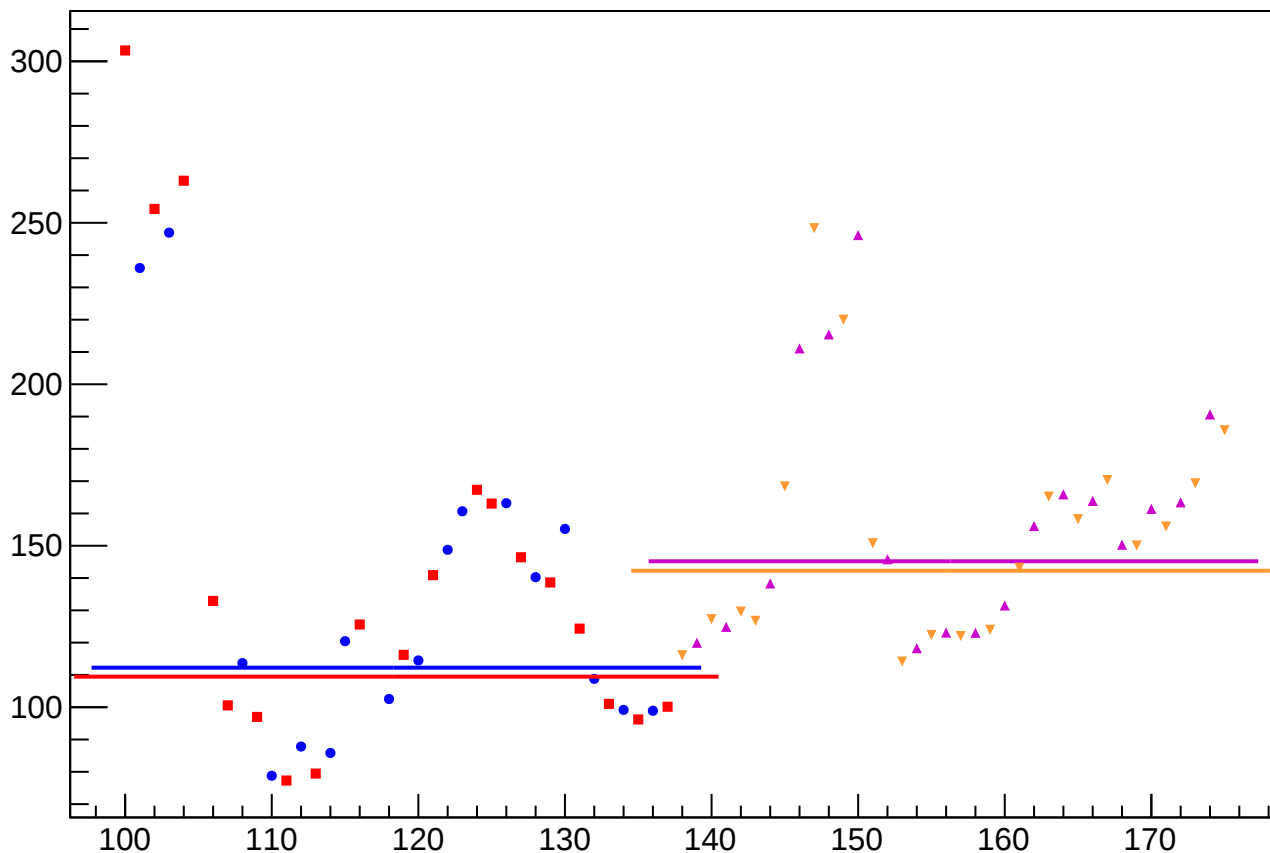
Left In: 7497.051+/-40.160 χ^2/NDF : 23636.9/17

+ sign -788.073+/-29.315 χ^2/NDF : 72668.4/36

All: 2169.378+/-20.881 χ^2/NDF : 131796.8/73

- sign 5215.125+/-29.749 χ^2/NDF : 38469.0/36

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 142.266+/-0.027 χ^2/NDF :1086204.3/19

Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

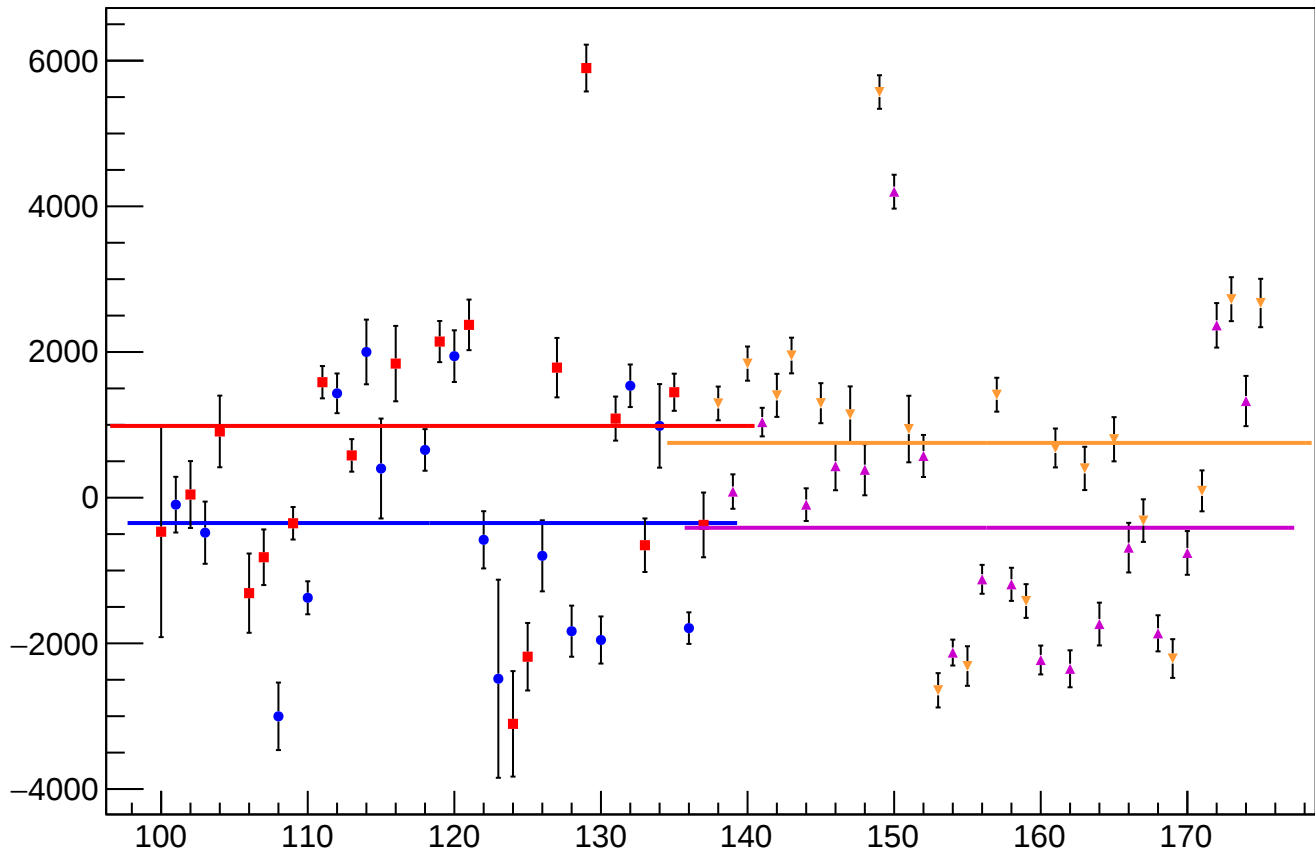
Left In: 145.189+/-0.028 χ^2/NDF :1077498.2/17

+ sign 130.373+/-0.021 χ^2/NDF : 2713323.9/36

All: 129.729+/-0.015 χ^2/NDF : 5776769.4/73

- sign 129.066+/-0.021 χ^2/NDF : 3061486.4/36

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 752.044 ± 60.622 χ^2/NDF : 1149.9/19

Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

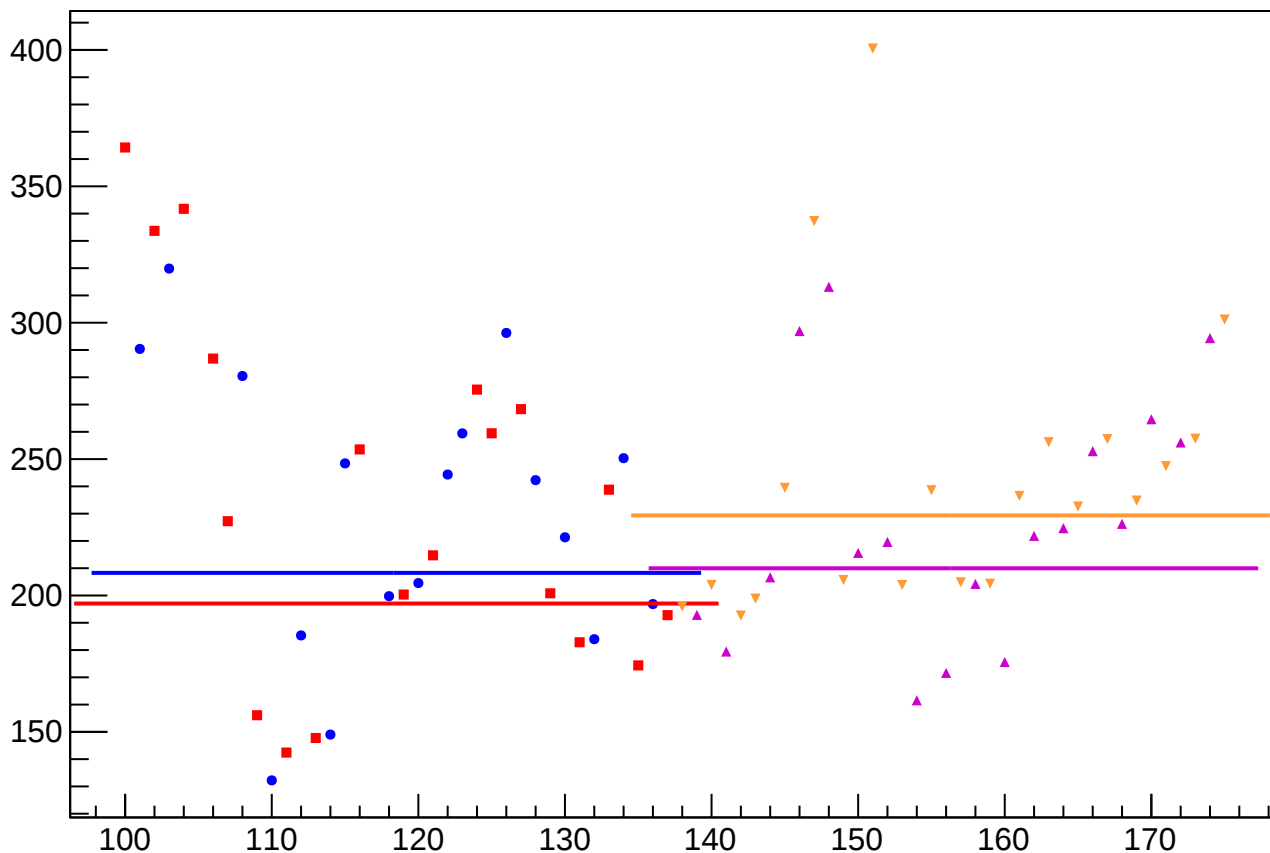
Left In: -413.040 ± 58.166 χ^2/NDF : 901.9/17

+ sign 374.266 ± 49.123 χ^2/NDF : 1580.3/36

All: 224.143 ± 33.793 χ^2/NDF : 3184.1/73

- sign 89.273 ± 46.560 χ^2/NDF : 1586.1/36

asym_bpm0l01WS_rms vs Slug



Right In: 208.288+/-0.059 χ^2/NDF : 698491.0/16

Left Out: 229.359+/-0.043 χ^2/NDF : 817354.9/19

Right Out: 197.051+/-0.055 χ^2/NDF : 926786.6/18

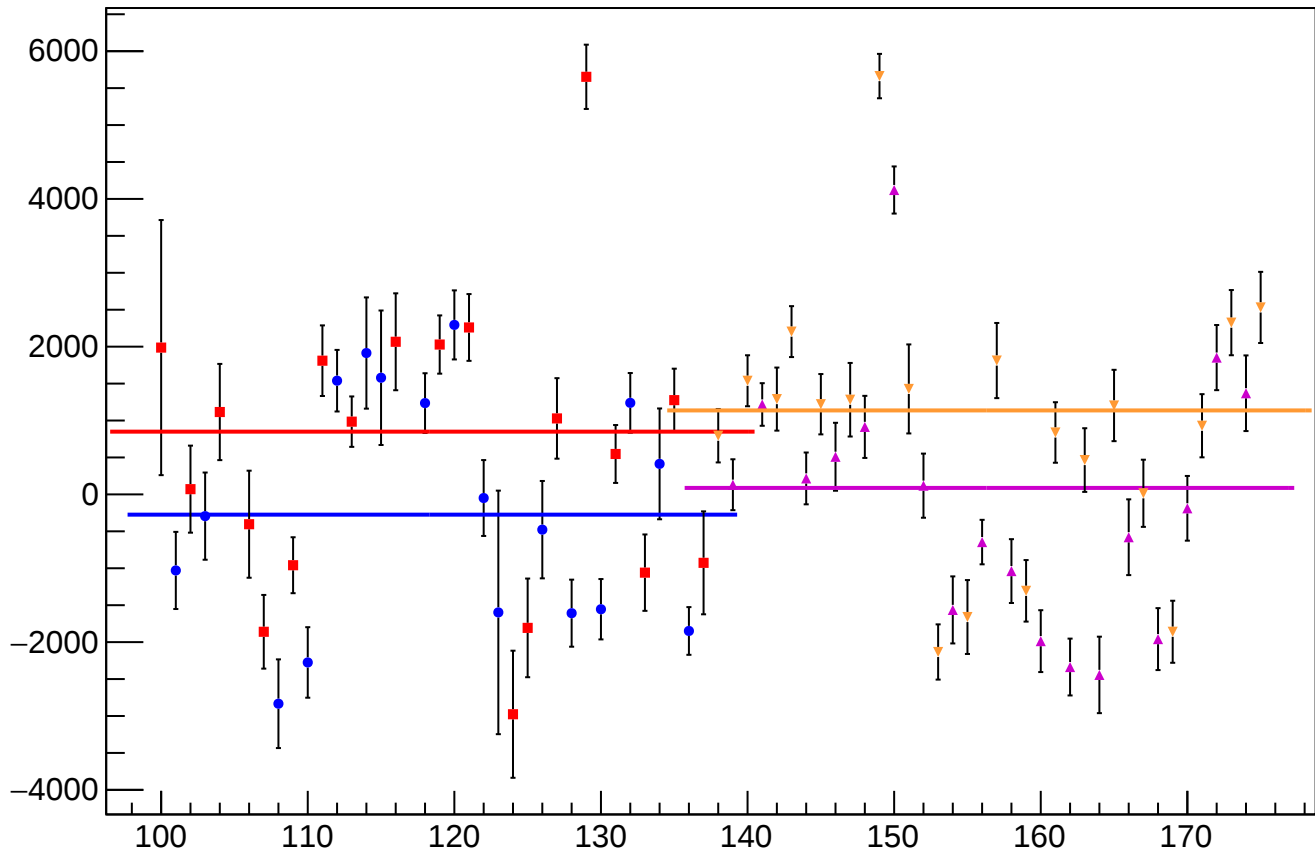
Left In: 209.970+/-0.041 χ^2/NDF : 939850.8/17

+ sign 222.123+/-0.035 χ^2/NDF : 1598819.7/36

All: 213.277+/-0.024 χ^2/NDF : 3624029.2/73

- sign 205.329+/-0.033 χ^2/NDF : 1902082.6/36

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 1136.728 ± 92.997 χ^2/NDF : 459.0/19

Right Out: 849.413 ± 115.349 χ^2/NDF : 263.3/18

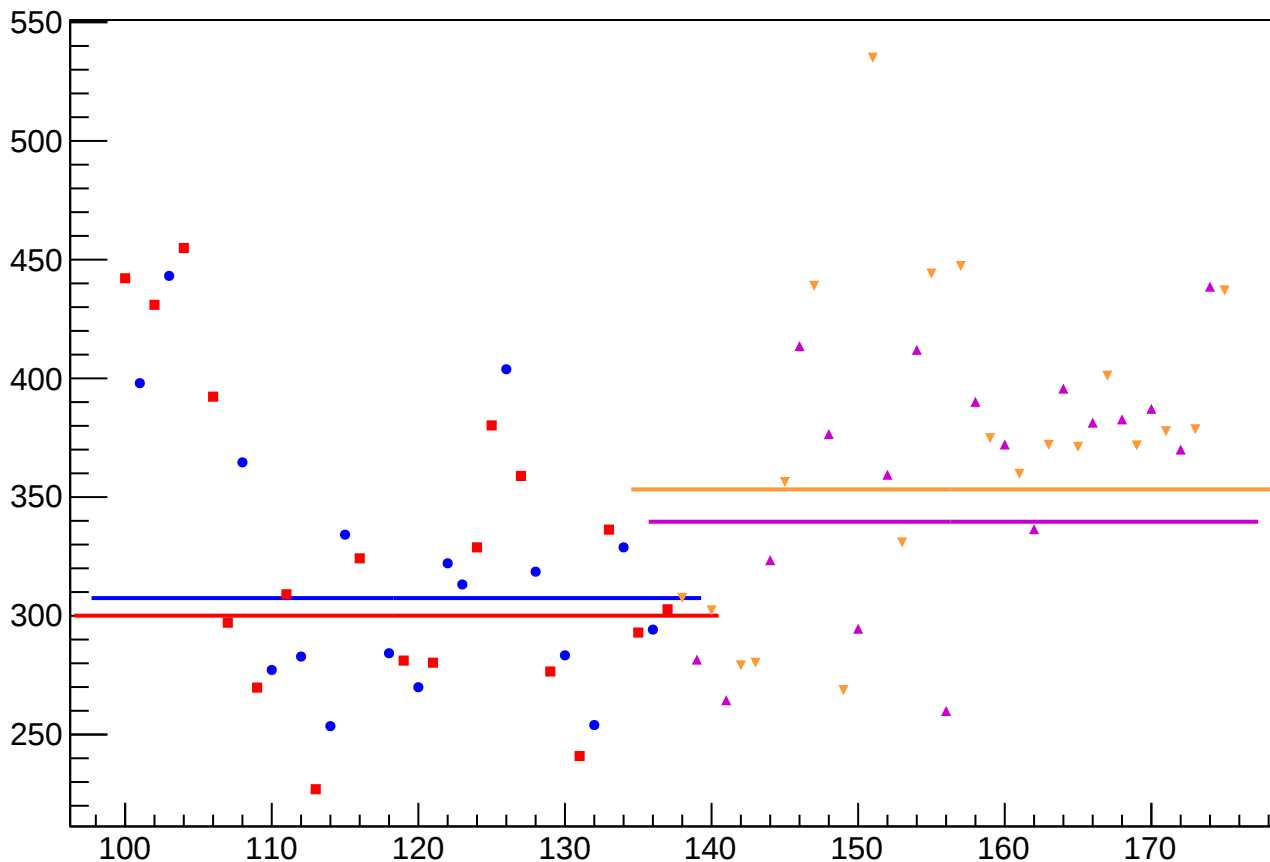
Left In: 87.633 ± 93.173 χ^2/NDF : 342.3/17

+ sign 614.531 ± 73.809 χ^2/NDF : 715.7/36

All: 499.422 ± 51.715 χ^2/NDF : 1352.5/73

- sign 388.416 ± 72.481 χ^2/NDF : 632.0/36

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 $\pm$ 0.086 χ^2 /NDF: 323096.7/16

Left Out: 353.242 $\pm$ 0.066 χ^2 /NDF: 879040.7/19

Right Out: 300.069 $\pm$ 0.082 χ^2 /NDF: 490398.9/18

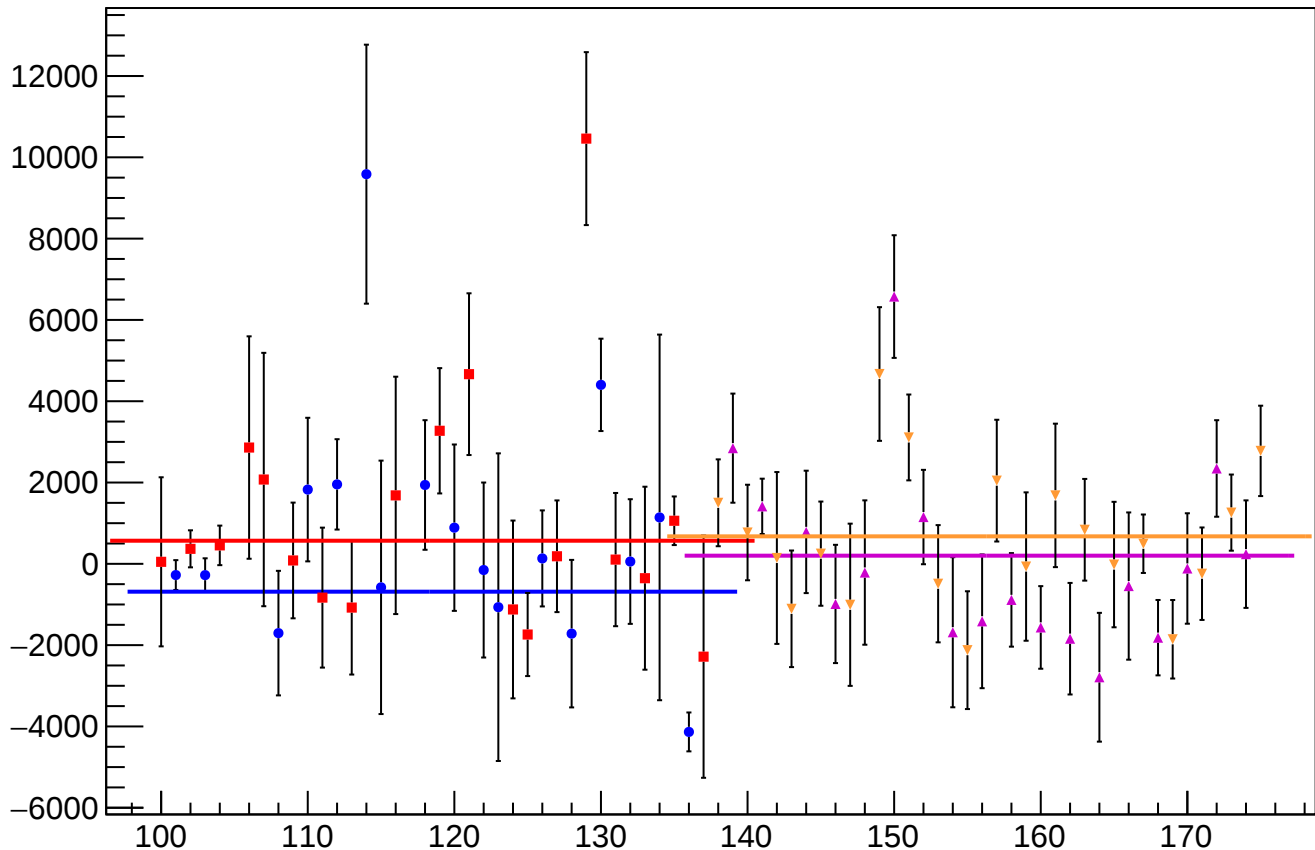
Left In: 339.626 $\pm$ 0.066 χ^2 /NDF: 704450.1/17

+ sign 336.301 $\pm$ 0.052 χ^2 /NDF: 1381462.1/36

All: 330.043 $\pm$ 0.037 χ^2 /NDF: 2746891.2/73

- sign 324.007 $\pm$ 0.051 χ^2 /NDF: 1337181.1/36

asym_bpm0l03WS_mean vs Slug



Right In: -685.056+/-210.341 χ^2 /NDF: 97.4/16

Left Out: 676.167+/-274.727 χ^2 /NDF:31.7/19

Right Out: 568.651+/-243.251 χ^2 /NDF: 39.7/18

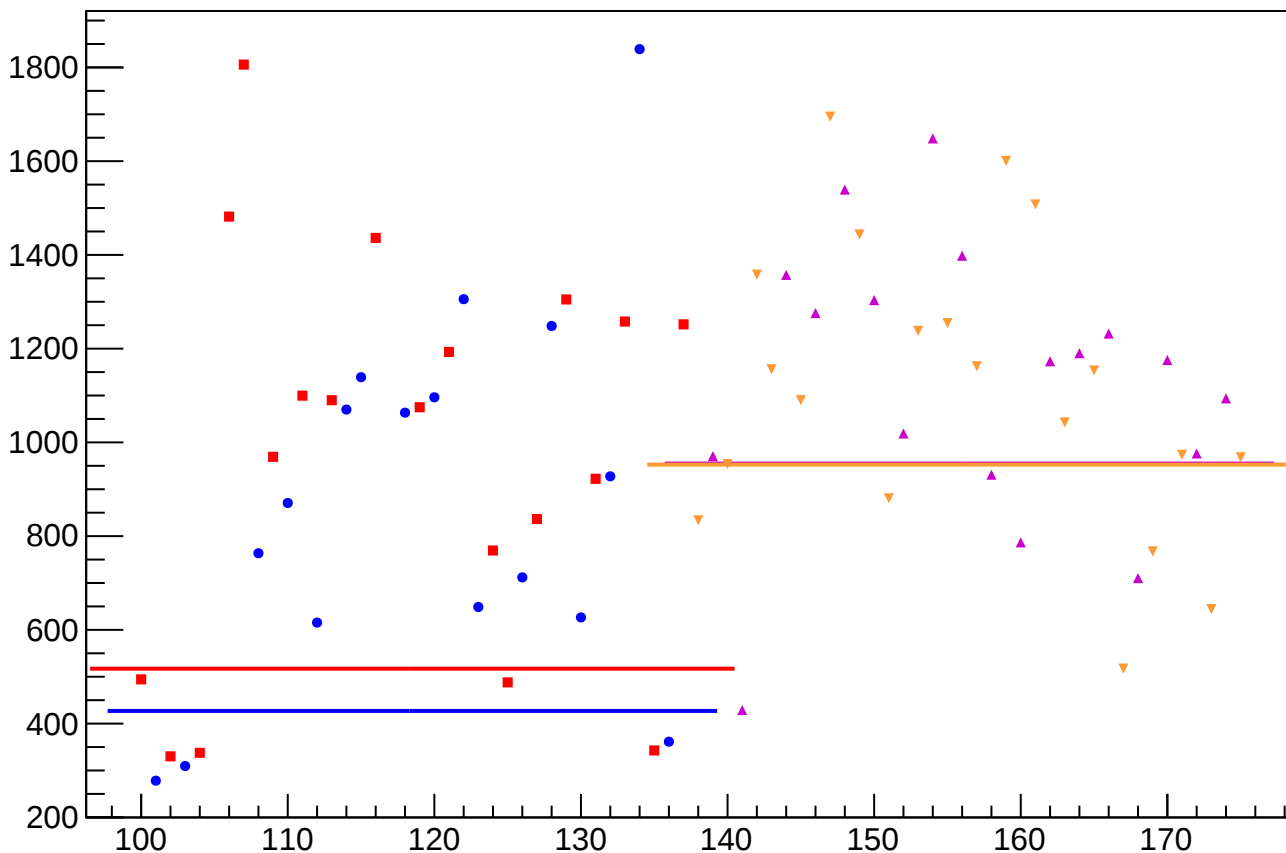
Left In: 200.670+/-291.924 χ^2 /NDF:46.4/17

+ sign -182.001+/-167.011 χ^2 /NDF: 144.6/36

All: 84.358+/-124.528 χ^2 /NDF: 237.3/73

- sign 417.853+/-186.877 χ^2 /NDF: 87.0/36

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 952.606+/-0.194 χ^2/NDF : 2348787.3/19

Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

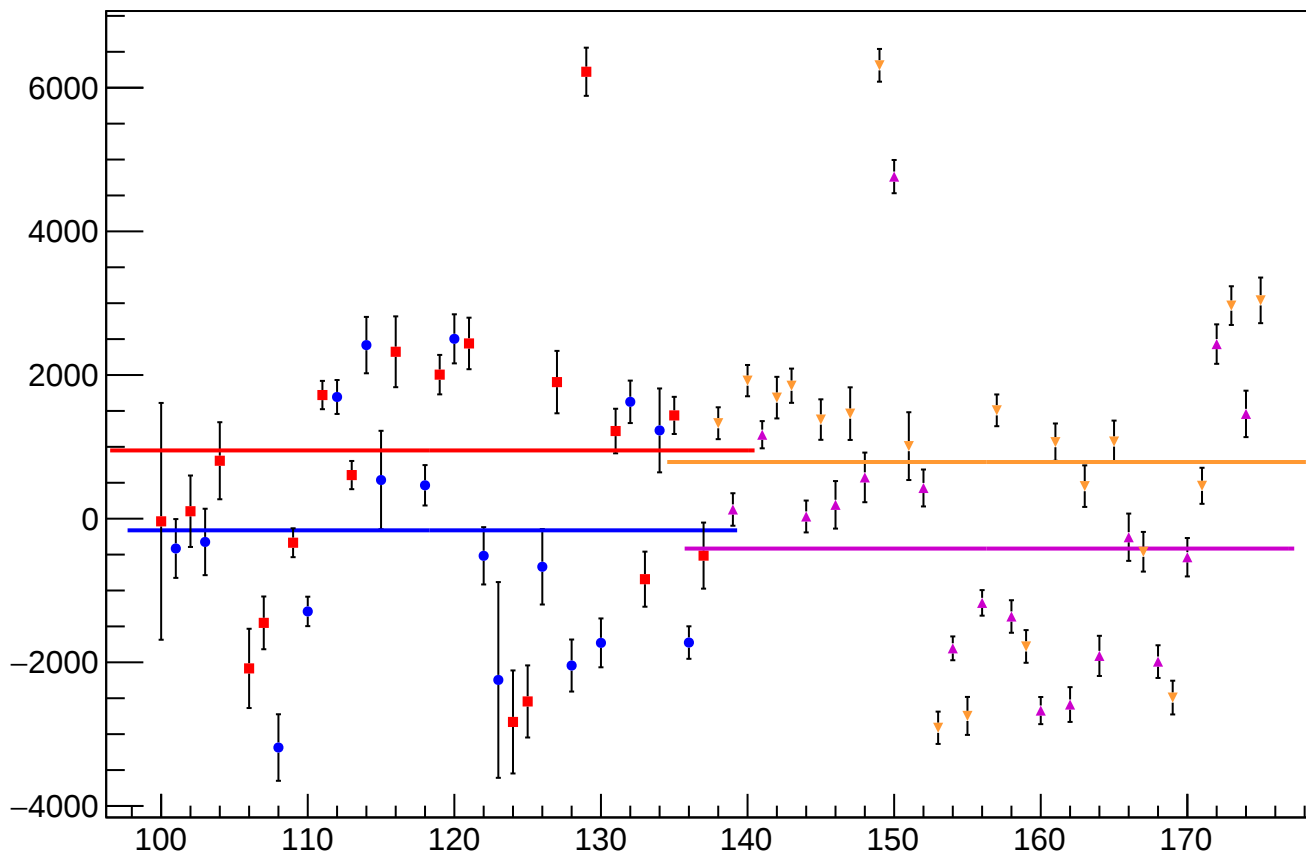
Left In: 954.840+/-0.206 χ^2/NDF : 2604323.2/17

+ sign 621.293+/-0.118 χ^2/NDF : 9828262.7/36

All: 654.717+/-0.088 χ^2/NDF : 18870589.0/73

- sign 696.564+/-0.132 χ^2/NDF : 8861934.0/36

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 $\chi^2/\text{NDF}: 387.6/16$

Left Out: 788.973 ± 57.947 $\chi^2/\text{NDF}: 1580.5/19$

Right Out: 950.093 ± 75.133 $\chi^2/\text{NDF}: 539.8/18$

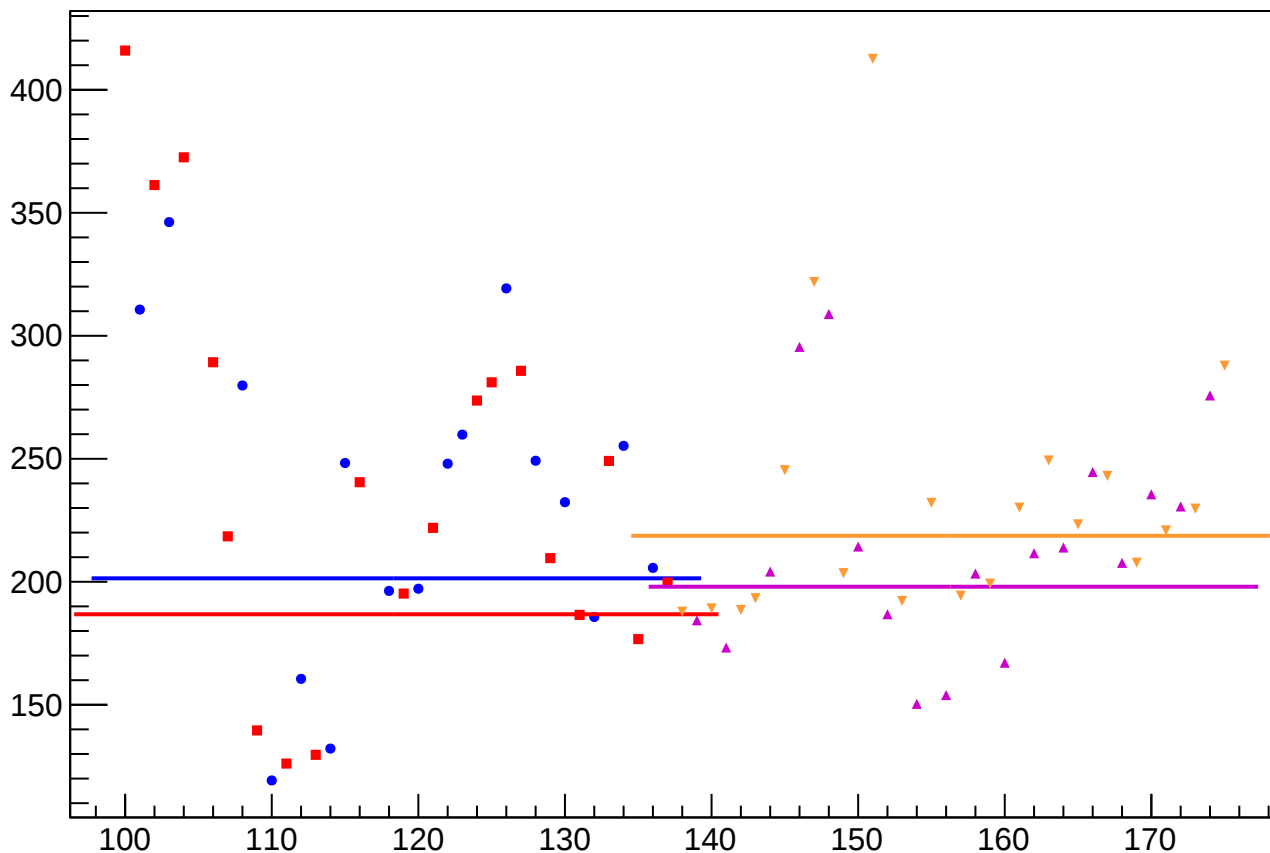
Left In: -416.264 ± 55.077 $\chi^2/\text{NDF}: 1149.6/17$

+ sign 473.927 ± 47.391 $\chi^2/\text{NDF}: 2057.3/36$

All: 254.292 ± 32.409 $\chi^2/\text{NDF}: 4002.1/73$

- sign 61.329 ± 44.420 $\chi^2/\text{NDF}: 1904.5/36$

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 218.715 $\pm$ 0.041 χ^2 /NDF:859528.6/19

Right Out: 186.797 $\pm$ 0.053 χ^2 /NDF: 1393162.0/18

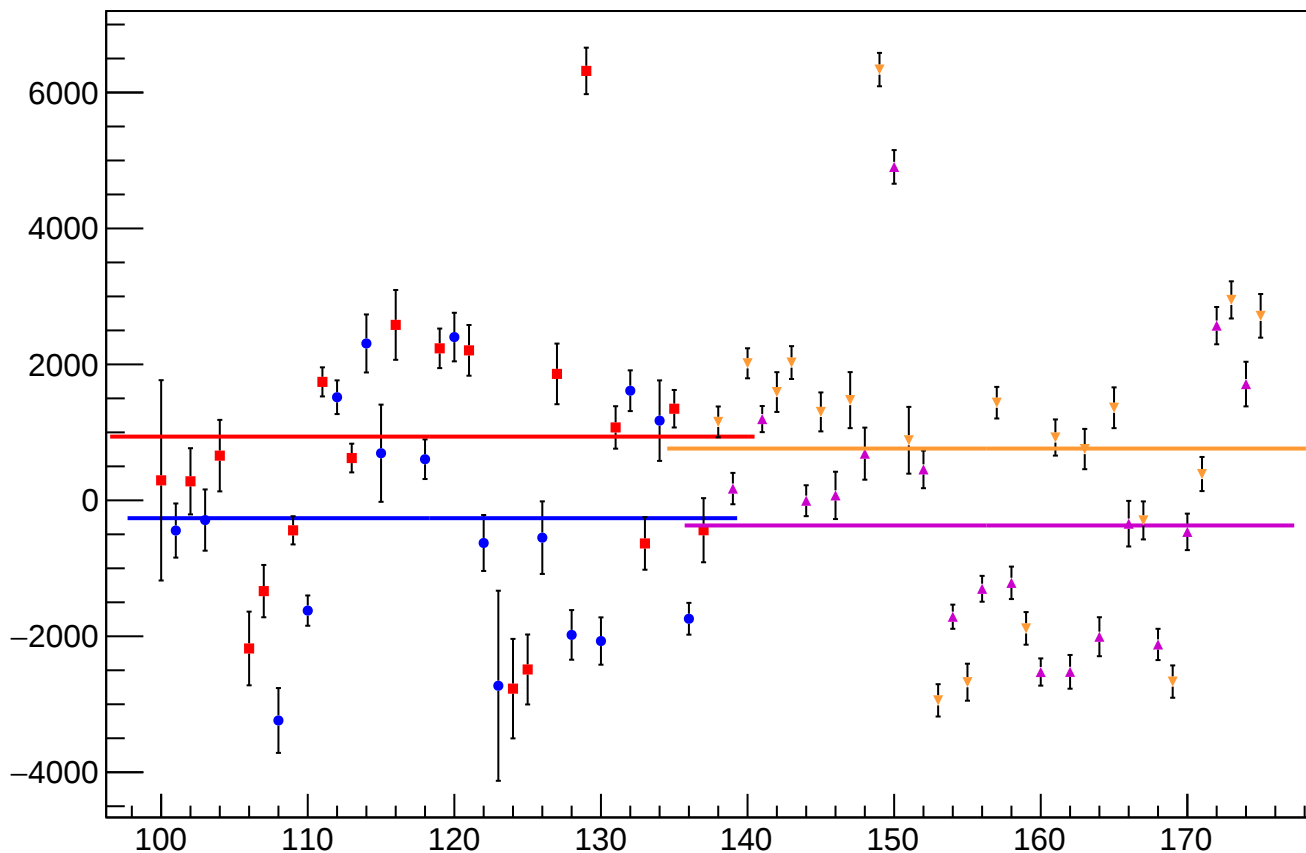
Left In: 197.990 $\pm$ 0.039 χ^2 /NDF:1017973.5/17

+ sign 212.984 $\pm$ 0.034 χ^2 /NDF: 1974626.6/36

All: 202.920 $\pm$ 0.023 χ^2 /NDF: 4584077.4/73

- sign 194.078 $\pm$ 0.031 χ^2 /NDF: 2440005.1/36

asym_bpm0l05WS_mean vs Slug



Right In: -262.324±/-85.433 χ^2/NDF : 368.7/16

Left Out: 761.971±/-59.691 χ^2/NDF :1454.3/19

Right Out: 937.678±/-78.434 χ^2/NDF : 521.9/18

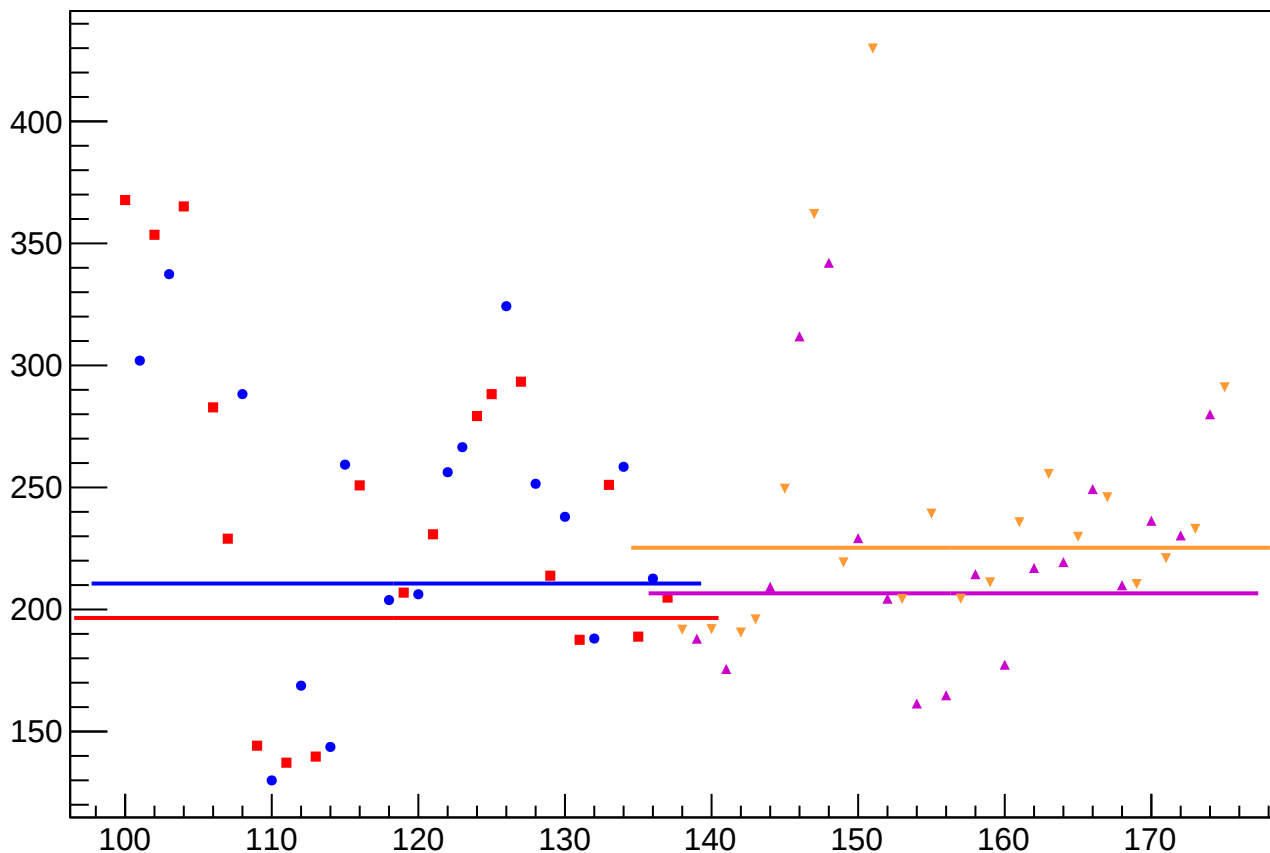
Left In: -369.548±/-57.341 χ^2/NDF :1077.3/17

+ sign 425.969±/-48.931 χ^2/NDF : 1919.6/36

All: 246.440±/-33.627 χ^2/NDF : 3725.4/73

- sign 85.770±/-46.290 χ^2/NDF : 1780.3/36

asym_bpm0l05WS_rms vs Slug



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 225.302+/-0.042 χ^2/NDF : 902544.9/19

Right Out: 196.528+/-0.055 χ^2/NDF : 1205091.0/18

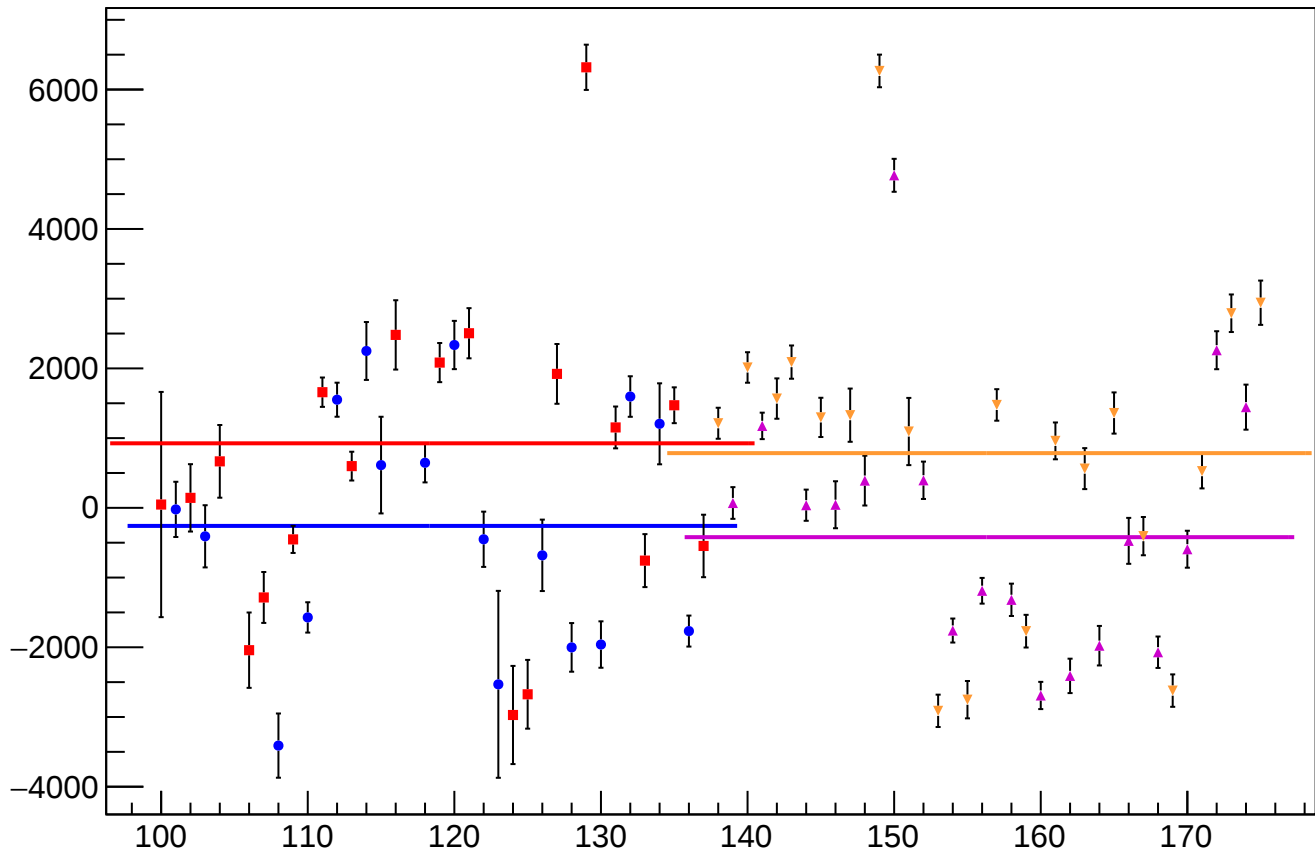
Left In: 206.616+/-0.041 χ^2/NDF : 965204.5/17

+ sign 220.491+/-0.035 χ^2/NDF : 1817925.3/36

All: 211.315+/-0.024 χ^2/NDF : 4143064.6/73

- sign 203.103+/-0.033 χ^2/NDF : 2191857.2/36

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 784.737 ± 58.512 χ^2/NDF : 1524.0/19

Right Out: 925.534 ± 75.503 χ^2/NDF : 581.9/18

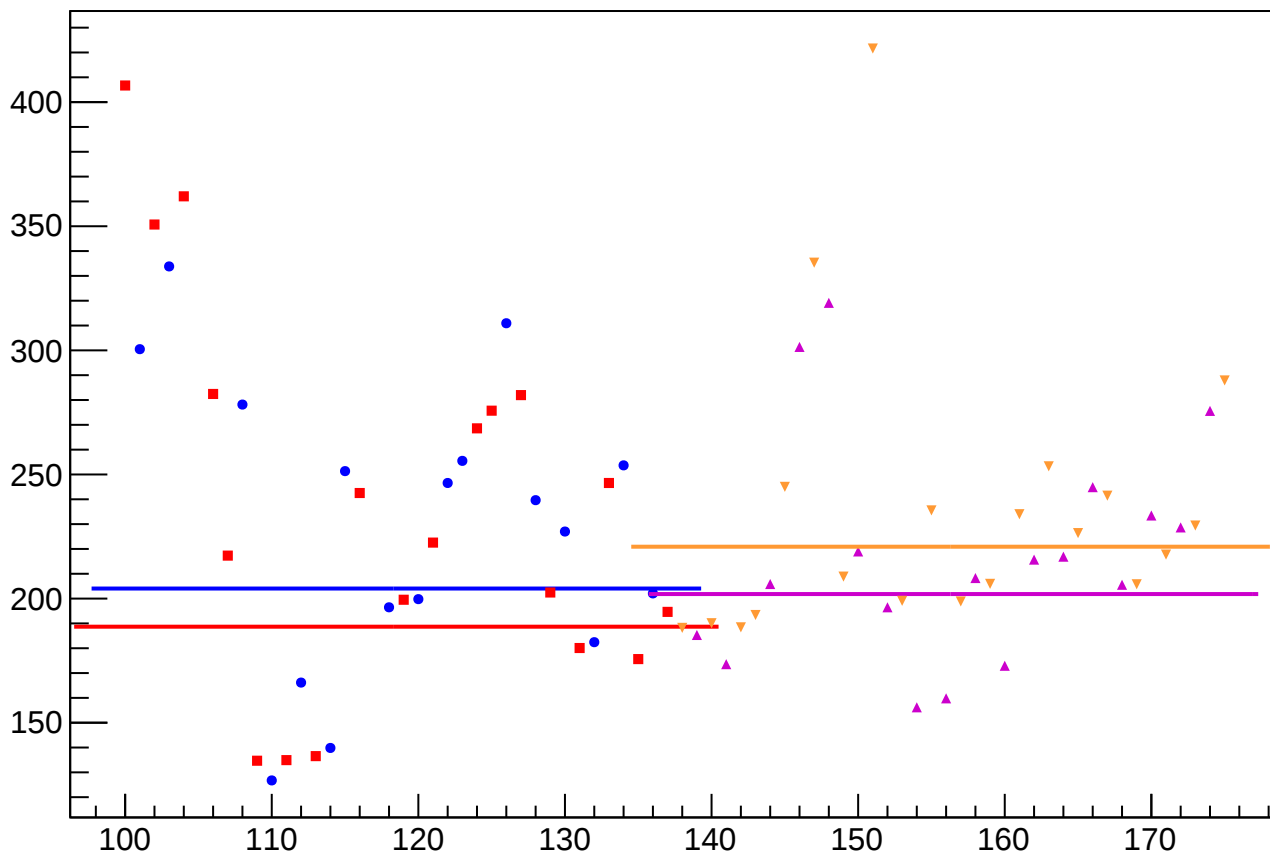
Left In: -420.485 ± 56.027 χ^2/NDF : 1085.5/17

+ sign 437.078 ± 47.785 χ^2/NDF : 2021.3/36

All: 235.871 ± 32.757 χ^2/NDF : 3927.1/73

- sign 57.492 ± 44.993 χ^2/NDF : 1872.3/36

asym_bpm0l06WS_rms vs Slug



Right In: 204.051 ± 0.059 χ^2/NDF : 868423.0/16

Left Out: 220.903 ± 0.041 χ^2/NDF : 872700.1/19

Right Out: 188.681 ± 0.053 χ^2/NDF : 1251107.4/18

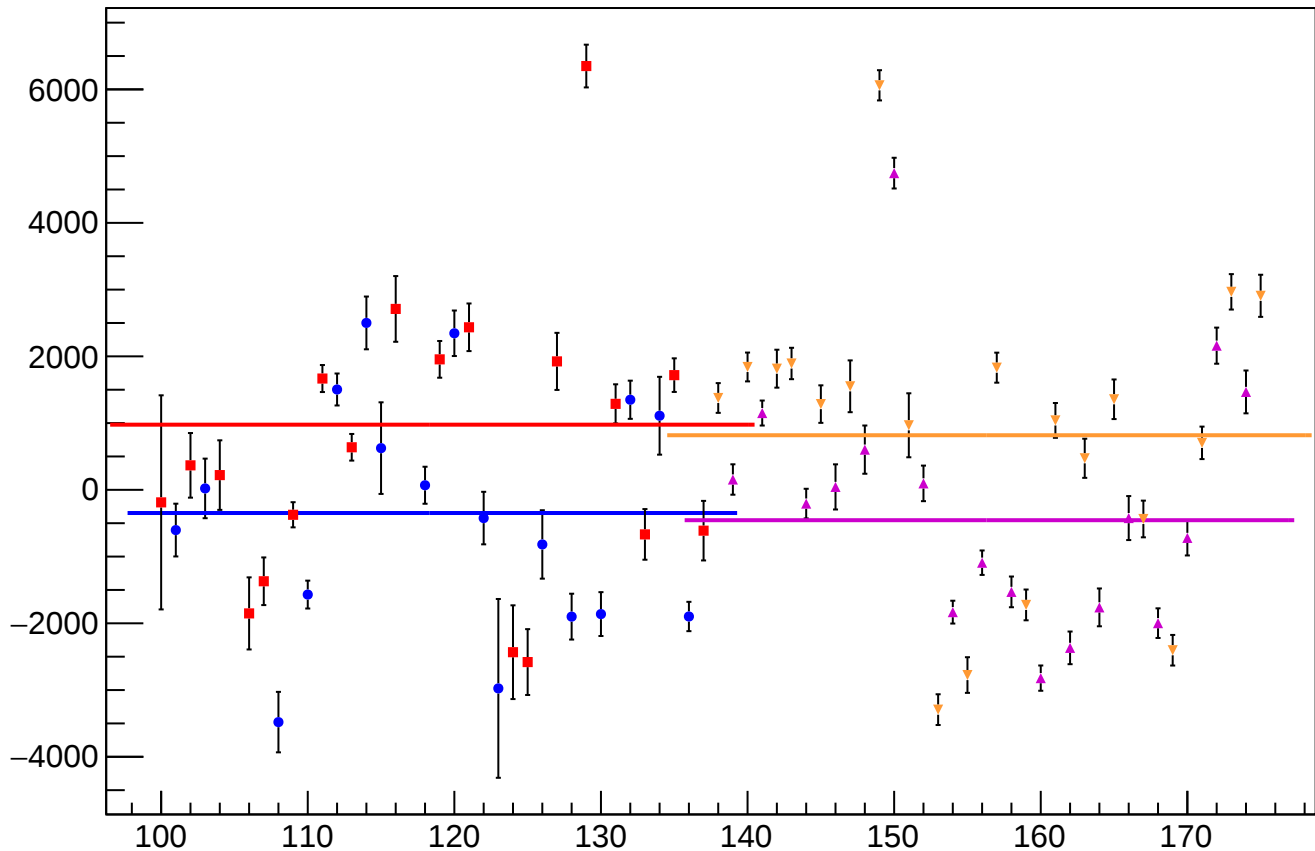
Left In: 201.828 ± 0.040 χ^2/NDF : 945434.2/17

+ sign 215.290 ± 0.034 χ^2/NDF : 1796371.7/36

All: 205.680 ± 0.023 χ^2/NDF : 4184646.5/73

- sign 197.159 ± 0.032 χ^2/NDF : 2235649.4/36

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 818.001 ± 57.965 χ^2/NDF : 1578.6/19

Right Out: 976.286 ± 73.889 χ^2/NDF : 585.7/18

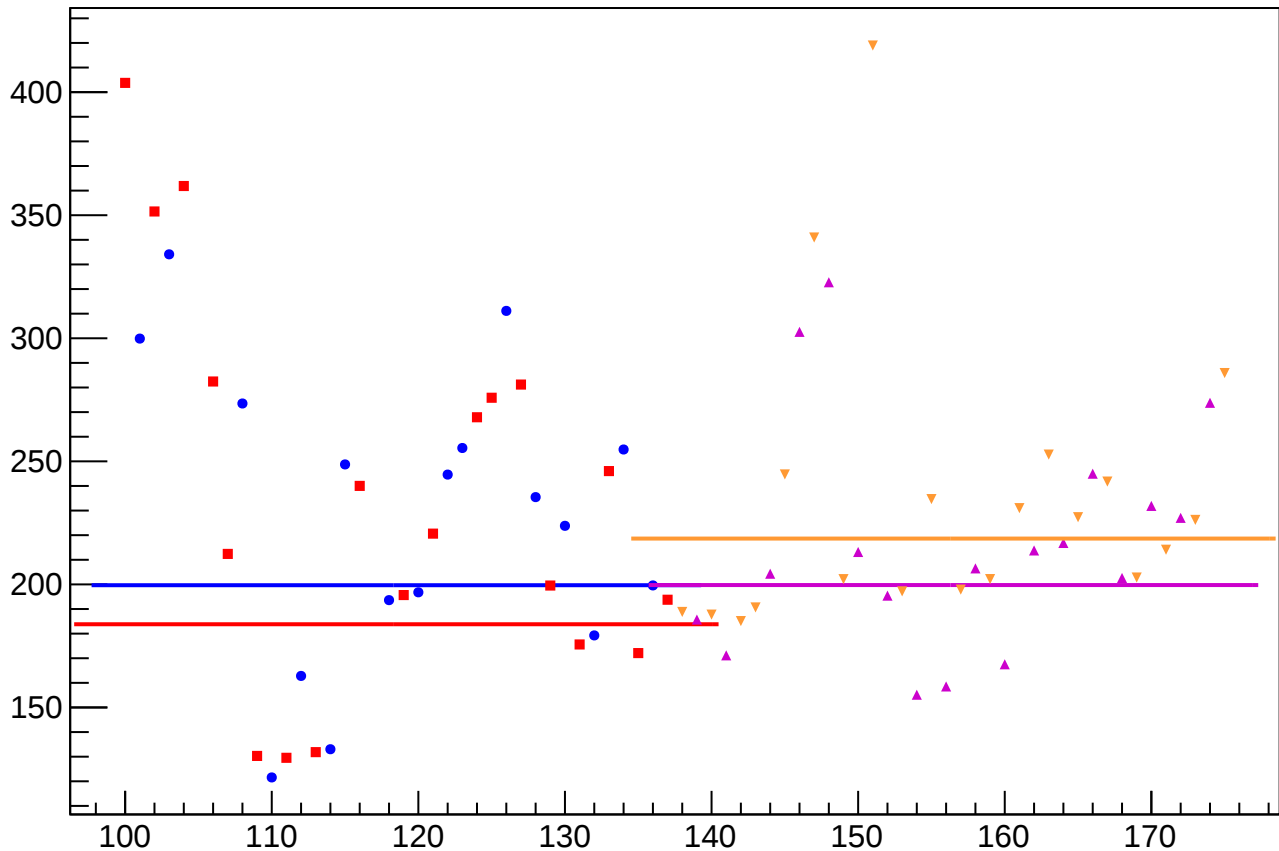
Left In: -455.002 ± 55.496 χ^2/NDF : 1123.7/17

+ sign 425.408 ± 47.201 χ^2/NDF : 2113.8/36

All: 232.078 ± 32.330 χ^2/NDF : 4094.7/73

- sign 61.209 ± 44.374 χ^2/NDF : 1949.2/36

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 218.622 $\pm$ 0.041 χ^2 /NDF: 910482.5/19

Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

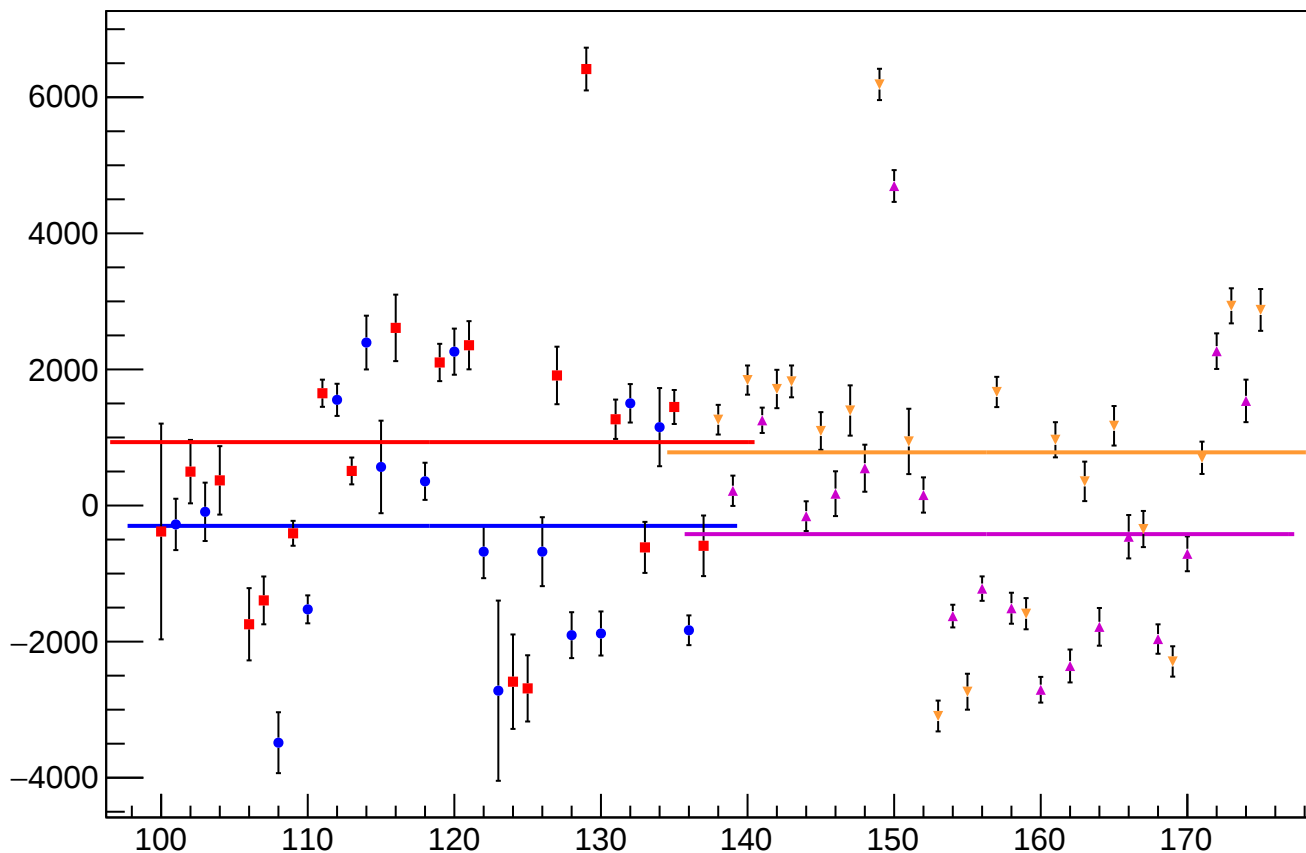
Left In: 199.734 $\pm$ 0.039 χ^2 /NDF: 984359.8/17

+ sign 212.237 $\pm$ 0.033 χ^2 /NDF: 1925680.0/36

All: 202.551 $\pm$ 0.023 χ^2 /NDF: 4477721.0/73

- sign 193.990 $\pm$ 0.031 χ^2 /NDF: 2393383.5/36

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 781.683 ± 57.102 χ^2/NDF : 1538.4/19

Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

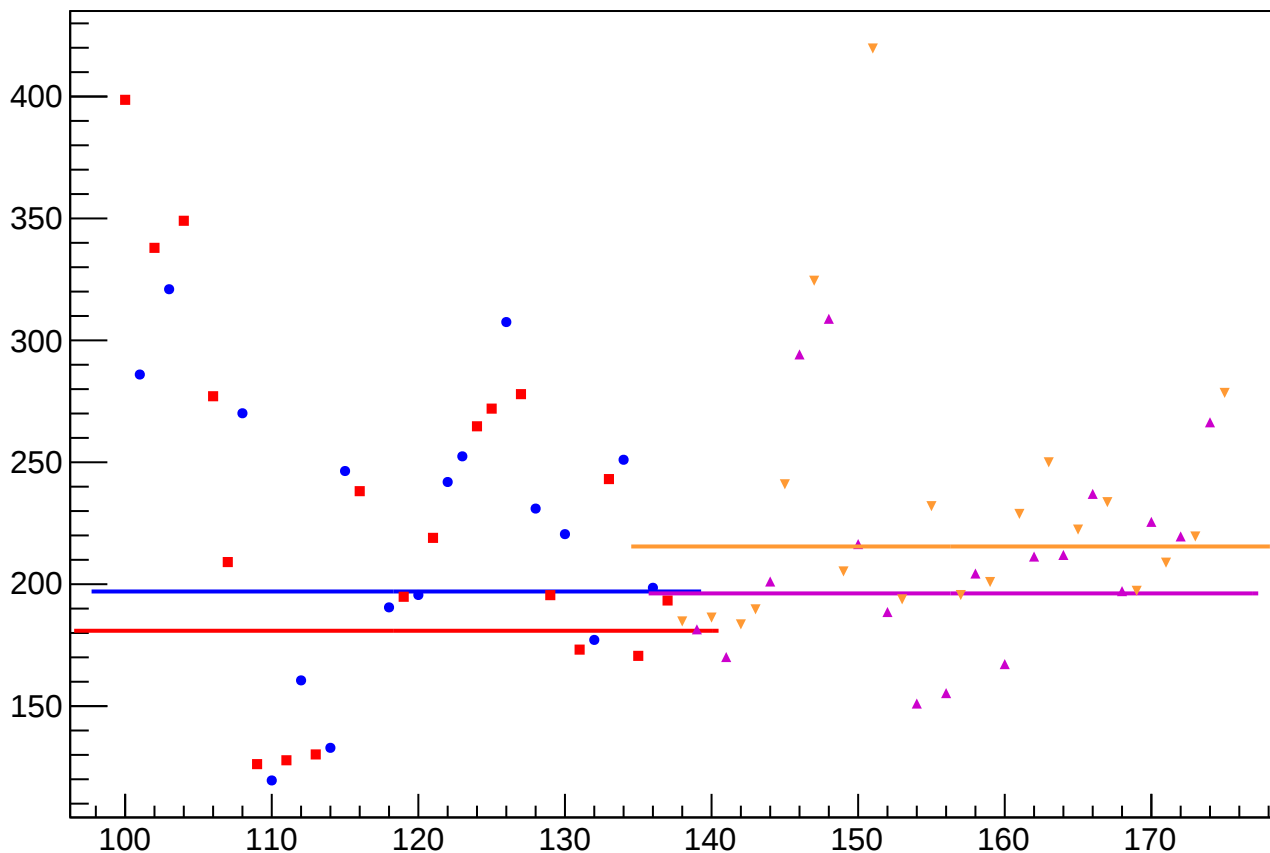
Left In: -420.274 ± 54.509 χ^2/NDF : 1112.9/17

+ sign 417.918 ± 46.509 χ^2/NDF : 2065.6/36

All: 230.635 ± 31.817 χ^2/NDF : 4045.0/73

- sign 65.874 ± 43.623 χ^2/NDF : 1949.0/36

asym_bpm0l08WS_rms vs Slug



Right In: 197.013+/-0.057 χ^2/NDF : 911923.5/16

Left Out: 215.470+/-0.040 χ^2/NDF : 877293.9/19

Right Out: 180.906+/-0.051 χ^2/NDF : 1345685.7/18

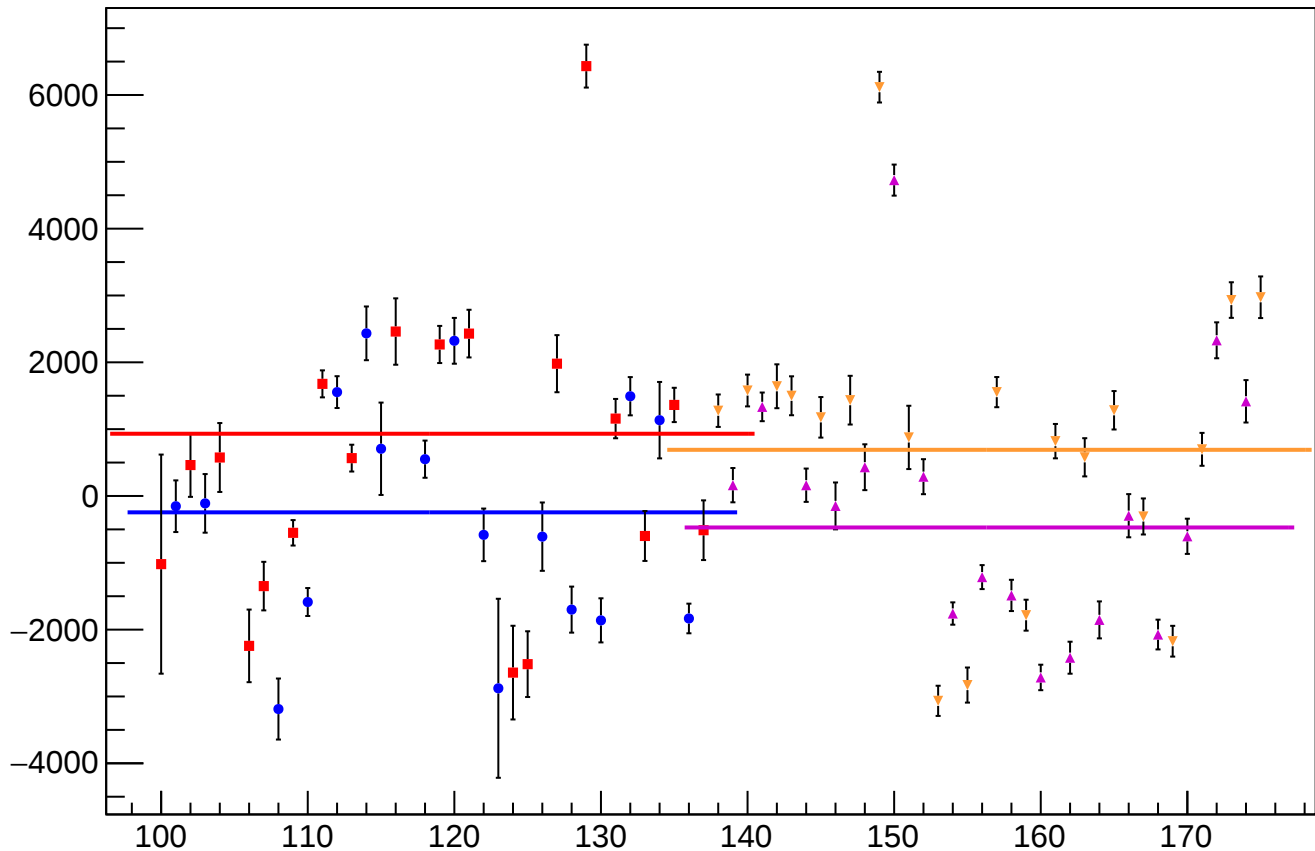
Left In: 196.225+/-0.039 χ^2/NDF : 945820.0/17

+ sign 209.257+/-0.033 χ^2/NDF : 1859553.0/36

All: 199.394+/-0.022 χ^2/NDF : 4376932.7/73

- sign 190.717+/-0.031 χ^2/NDF : 2348296.6/36

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 690.778 ± 59.451 χ^2/NDF : 1485.3/19

Right Out: 931.272 ± 74.206 χ^2/NDF : 609.7/18

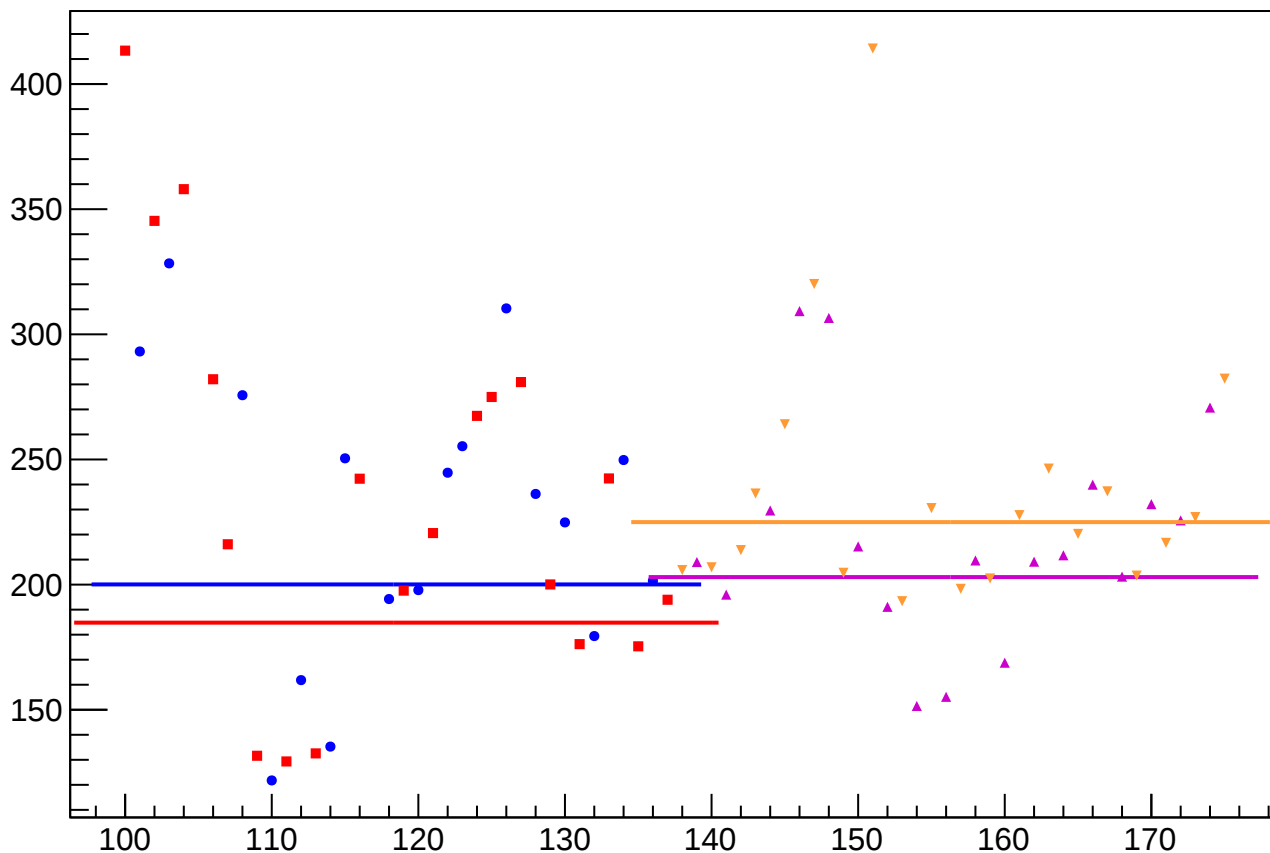
Left In: -471.253 ± 56.446 χ^2/NDF : 1121.3/17

+ sign 365.257 ± 48.009 χ^2/NDF : 1962.9/36

All: 193.352 ± 32.803 χ^2/NDF : 3944.3/73

- sign 42.818 ± 44.926 χ^2/NDF : 1957.3/36

asym_bpm0l09WS_rms vs Slug



Right In: 200.078 $\pm$ 0.058 χ^2 /NDF: 918309.2/16

Left Out: 224.973 $\pm$ 0.042 χ^2 /NDF: 723970.2/19

Right Out: 184.807 $\pm$ 0.052 χ^2 /NDF: 1318267.6/18

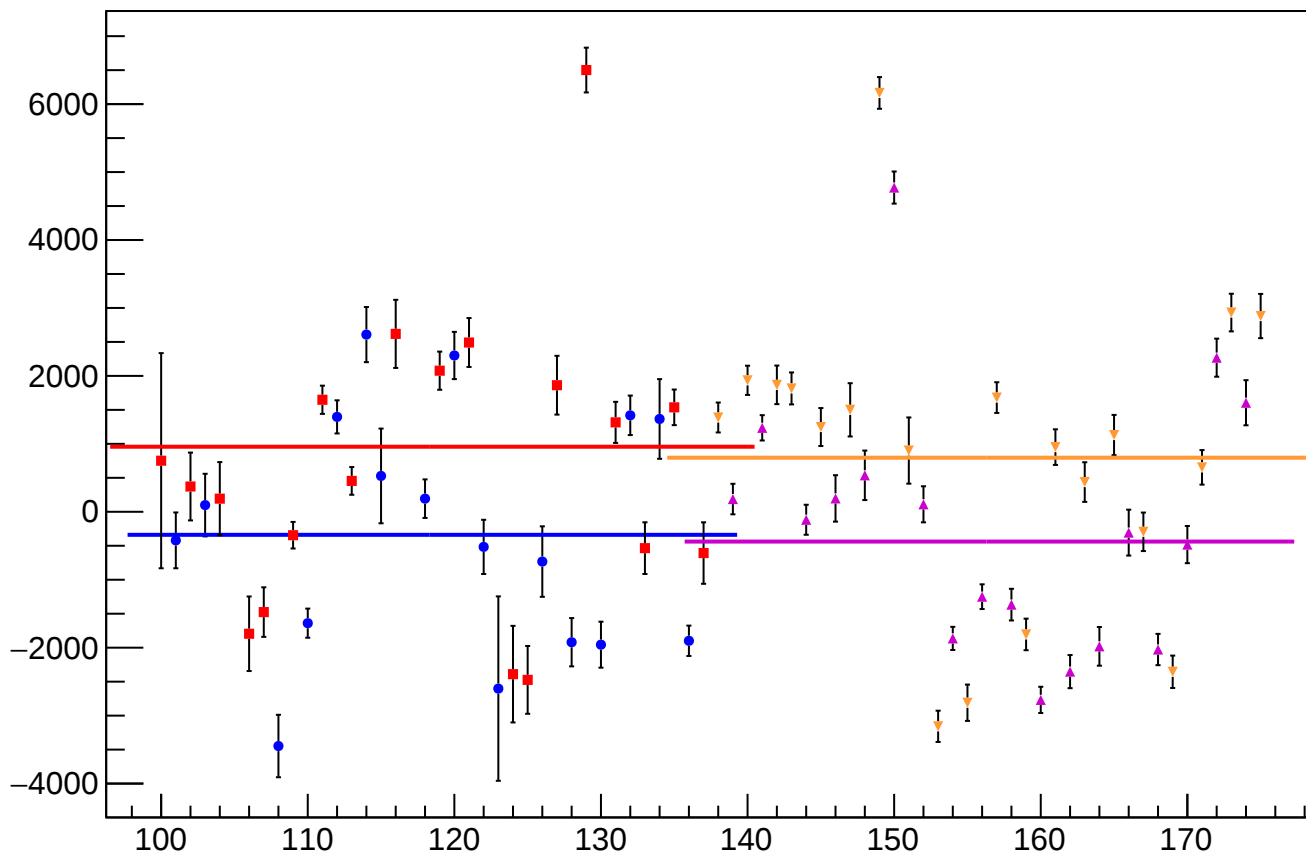
Left In: 203.005 $\pm$ 0.040 χ^2 /NDF: 958815.9/17

+ sign 216.312 $\pm$ 0.034 χ^2 /NDF: 1764282.4/36

All: 205.662 $\pm$ 0.023 χ^2 /NDF: 4302191.9/73

- sign 196.335 $\pm$ 0.032 χ^2 /NDF: 2353276.9/36

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 796.138 ± 58.584 χ^2/NDF : 1515.6/19

Right Out: 957.615 ± 75.749 χ^2/NDF : 570.3/18

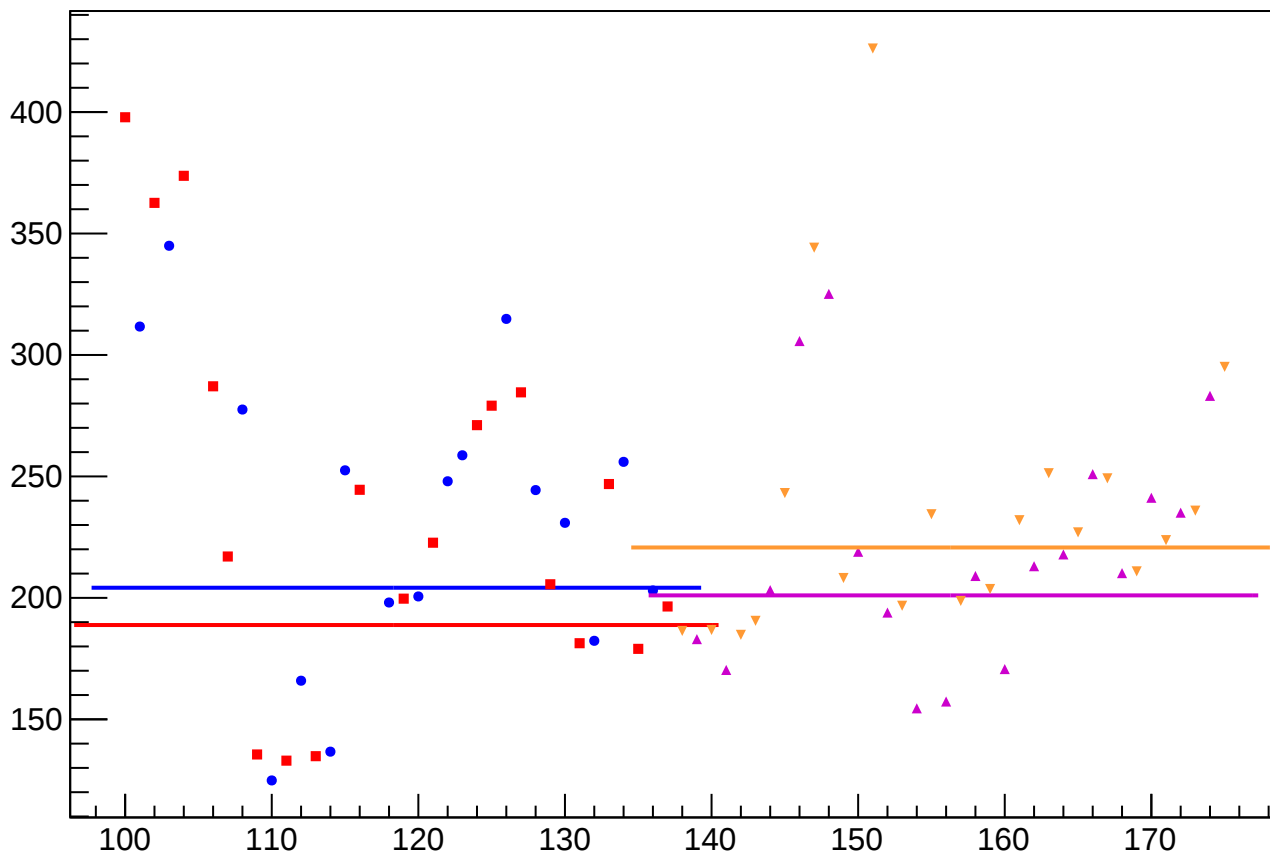
Left In: -438.261 ± 55.963 χ^2/NDF : 1113.2/17

+ sign 419.428 ± 47.886 χ^2/NDF : 2029.6/36

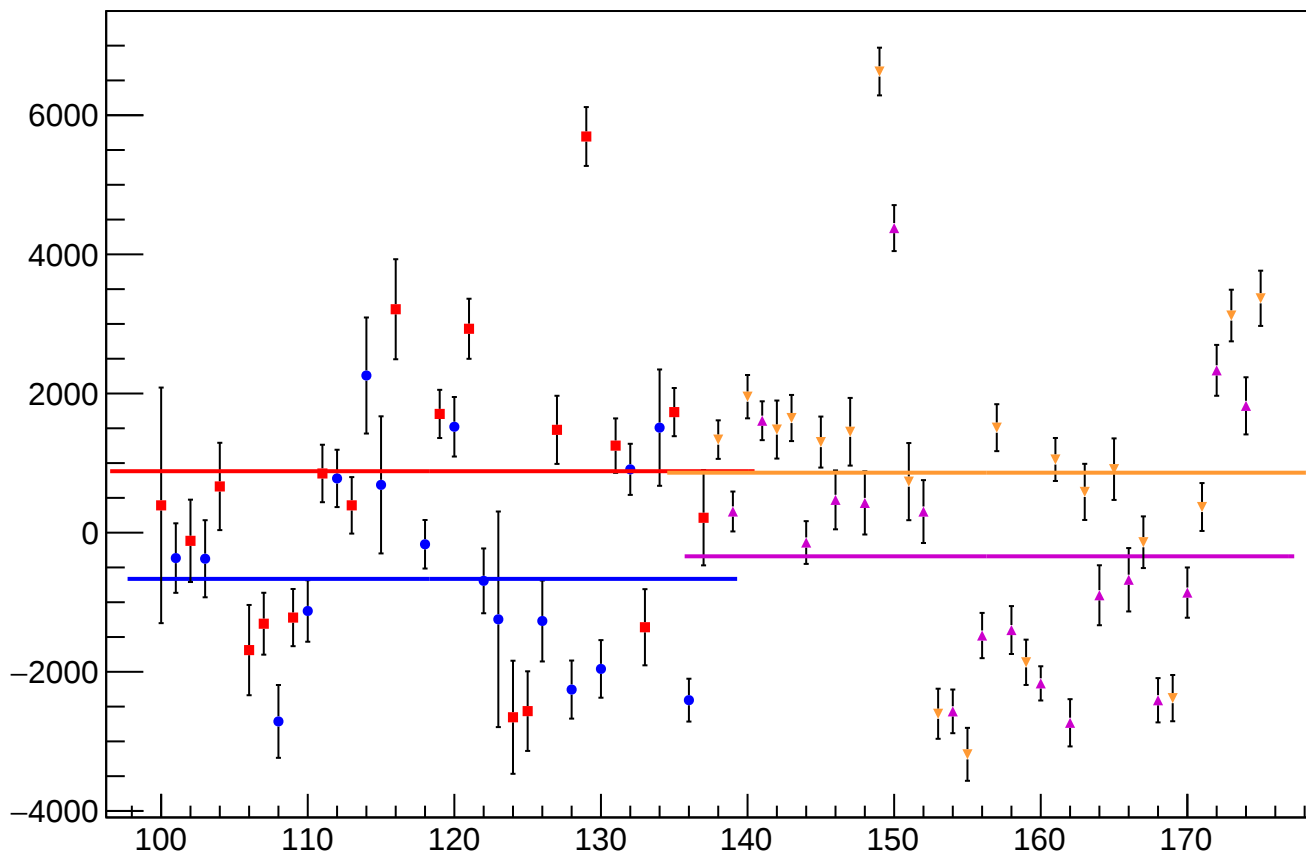
All: 225.743 ± 32.797 χ^2/NDF : 3963.6/73

- sign 54.614 ± 45.011 χ^2/NDF : 1903.2/36

asym_bpm0l10WS_rms vs Slug



asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 χ^2/NDF : 154.3/16

Left Out: 861.983 ± 80.445 χ^2/NDF : 770.4/19

Right Out: 883.255 ± 110.875 χ^2/NDF : 320.1/18

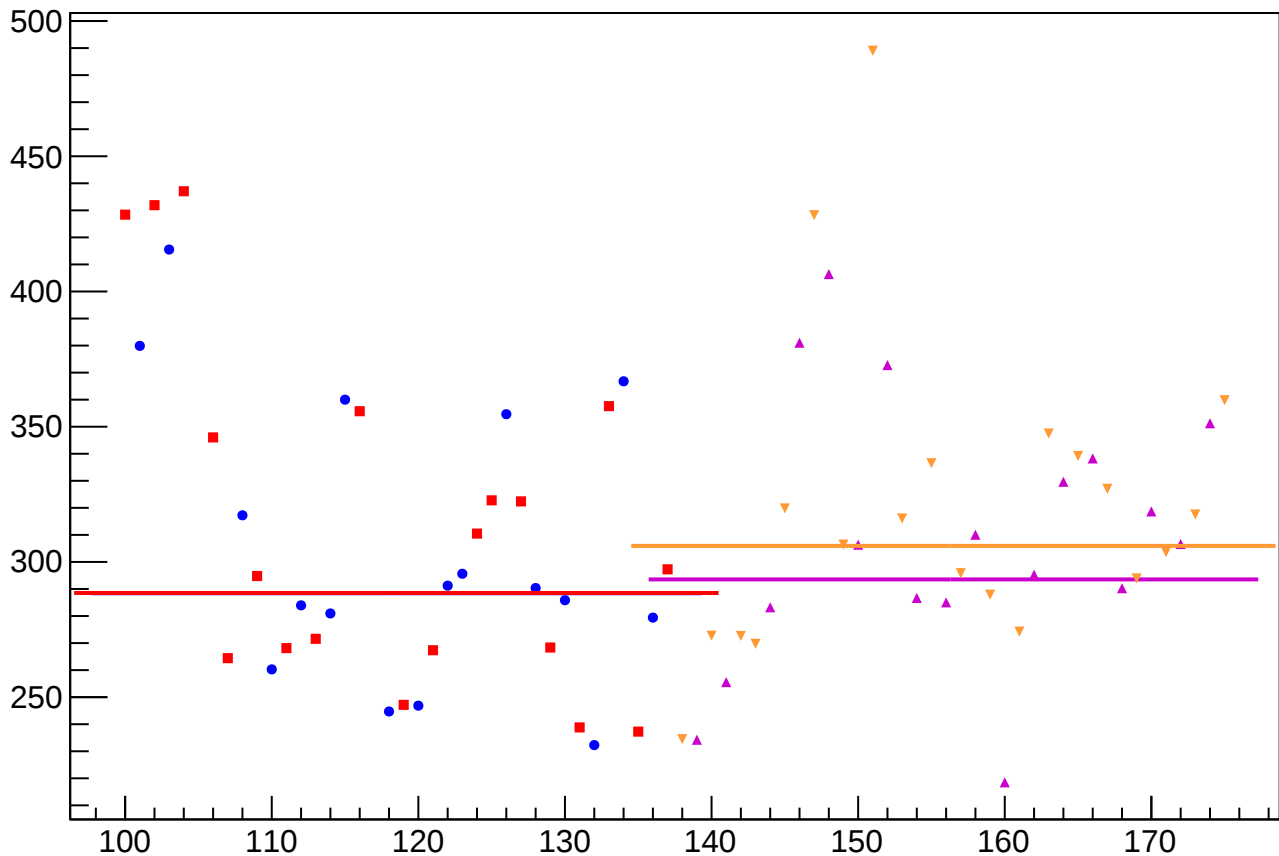
Left In: -339.935 ± 80.459 χ^2/NDF : 571.2/17

+ sign 354.279 ± 65.718 χ^2/NDF : 1044.5/36

All: 216.898 ± 46.257 χ^2/NDF : 2024.1/73

- sign 82.008 ± 65.120 χ^2/NDF : 971.0/36

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 ± 0.081 $\chi^2/\text{NDF}: 339820.0/16$

Left Out: 305.935 ± 0.057 $\chi^2/\text{NDF}: 663657.6/19$

Right Out: 288.522 ± 0.078 $\chi^2/\text{NDF}: 455410.1/18$

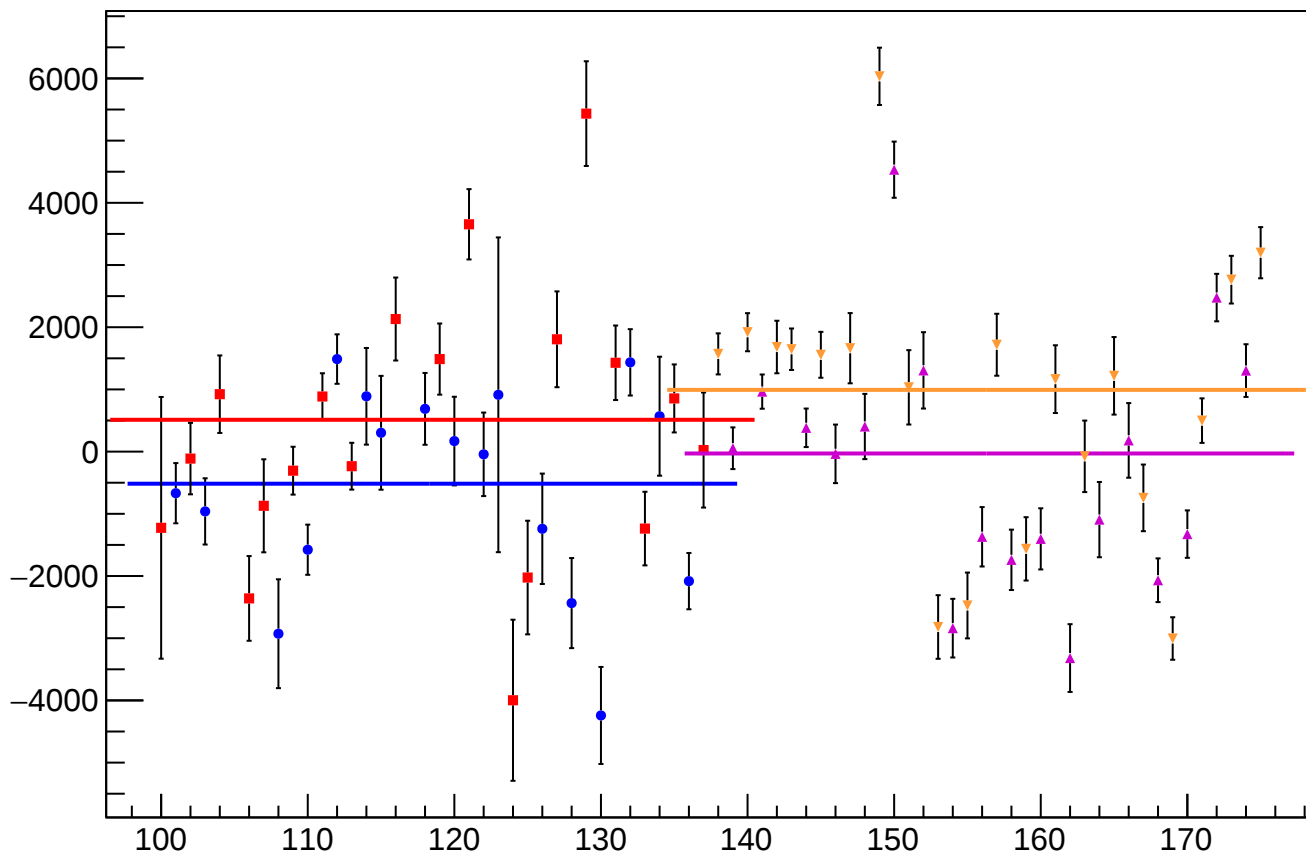
Left In: 293.538 ± 0.057 $\chi^2/\text{NDF}: 677109.3/17$

+ sign 300.112 ± 0.046 $\chi^2/\text{NDF}: 1034983.0/36$

All: 295.922 ± 0.033 $\chi^2/\text{NDF}: 2186296.7/73$

- sign 291.807 ± 0.046 $\chi^2/\text{NDF}: 1135200.3/36$

asym_bpm0r05WS_mean vs Slug



Right In: -515.894+/-147.326 χ^2/NDF : 108.0/16

Left Out: 992.774+/-95.679 χ^2/NDF : 471.1/19

Right Out: 511.851+/-135.798 χ^2/NDF : 141.3/18

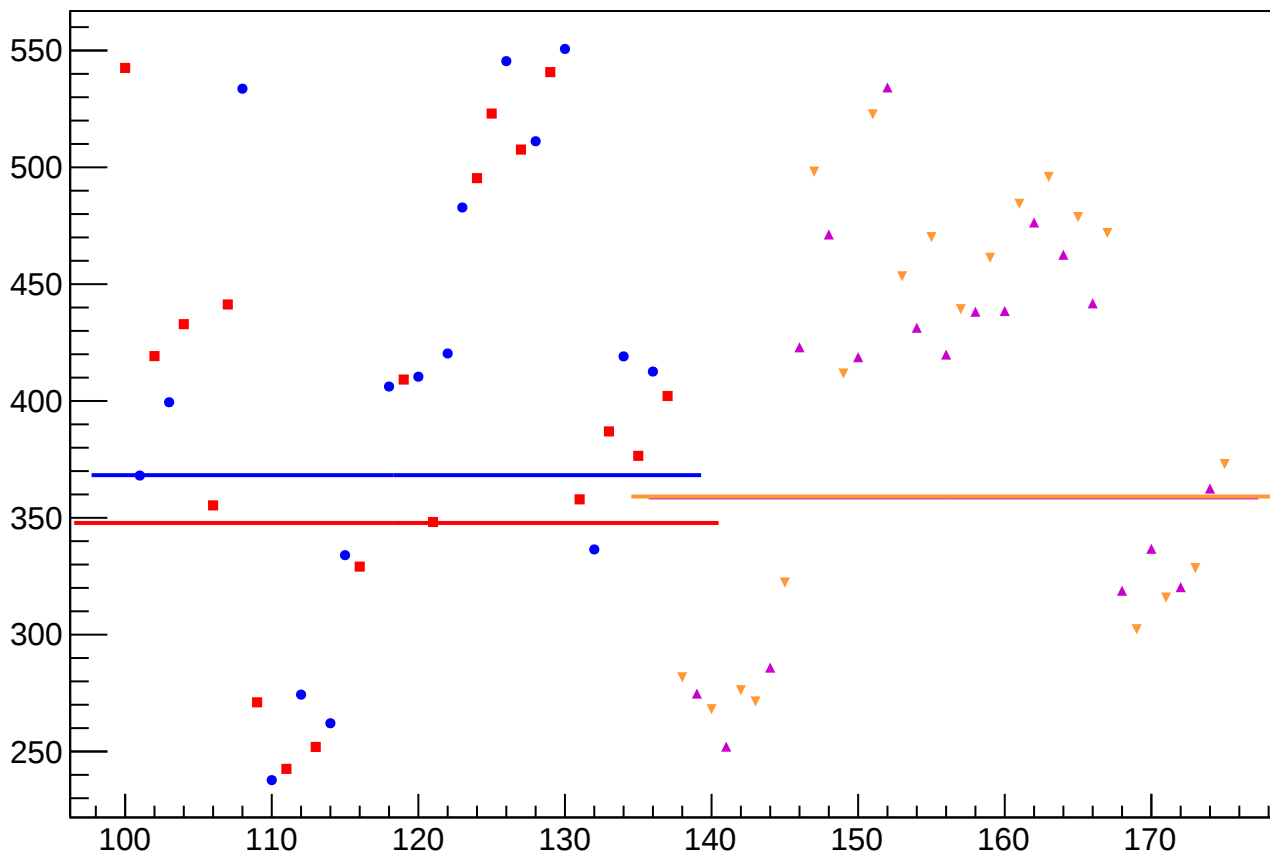
Left In: -29.800+/-99.125 χ^2/NDF : 323.7/17

+ sign 545.229+/-80.242 χ^2/NDF : 652.9/36

All: 351.427+/-56.677 χ^2/NDF : 1139.9/73

- sign 158.482+/-80.064 χ^2/NDF : 475.4/36

asym_bpm0r05WS_rms vs Slug



Right In: 368.264 $\pm$ 0.104 χ^2 /NDF: 770116.6/16

Left Out: 359.106 $\pm$ 0.068 χ^2 /NDF: 1587885.0/19

Right Out: 347.802 $\pm$ 0.096 χ^2 /NDF: 821862.5/18

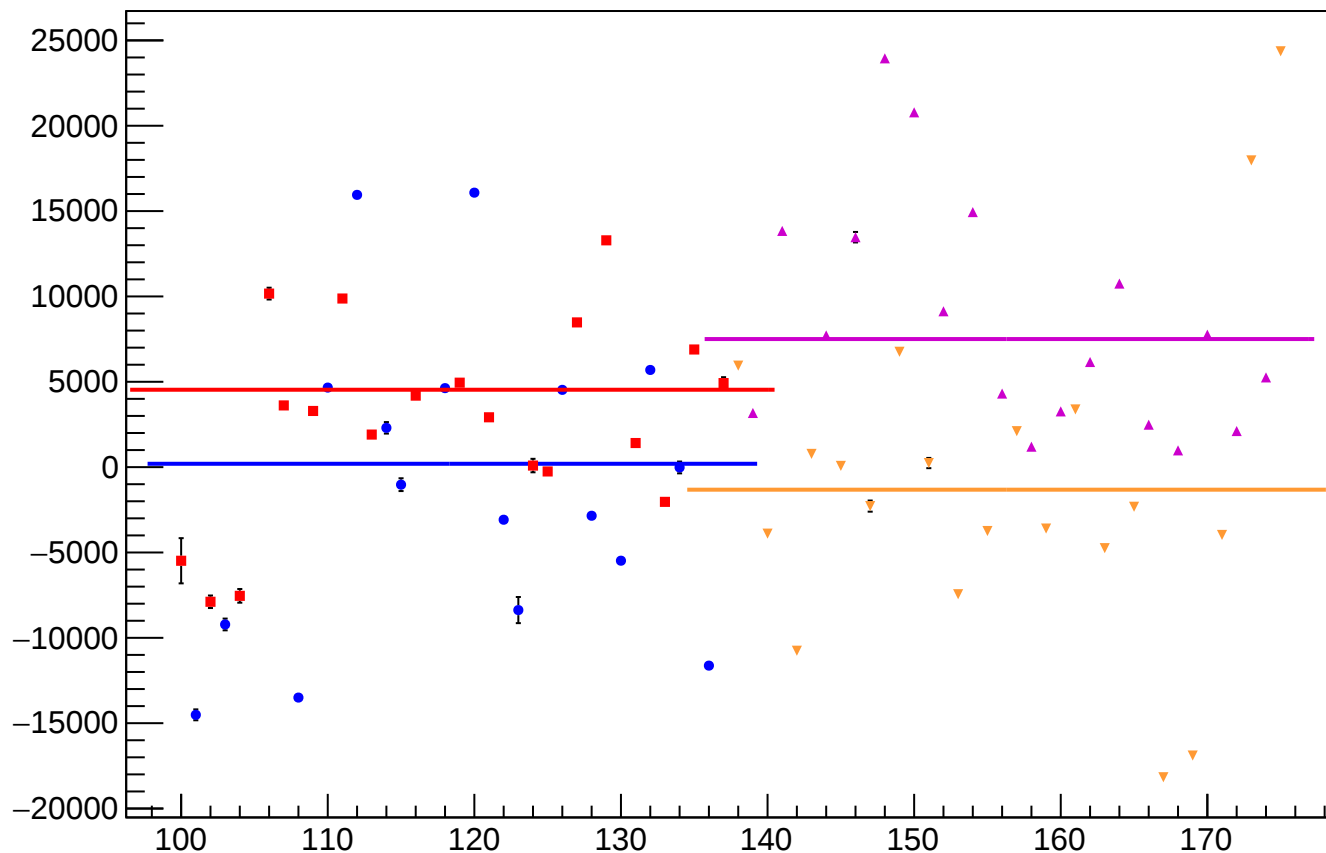
Left In: 358.755 $\pm$ 0.070 χ^2 /NDF: 1294430.2/17

+ sign 361.823 $\pm$ 0.057 χ^2 /NDF: 2363437.5/36

All: 358.377 $\pm$ 0.040 χ^2 /NDF: 4495575.0/73

- sign 354.947 $\pm$ 0.057 χ^2 /NDF: 2124780.1/36

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -1321.016+/-44.909 χ^2/NDF : 45094.8/19

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

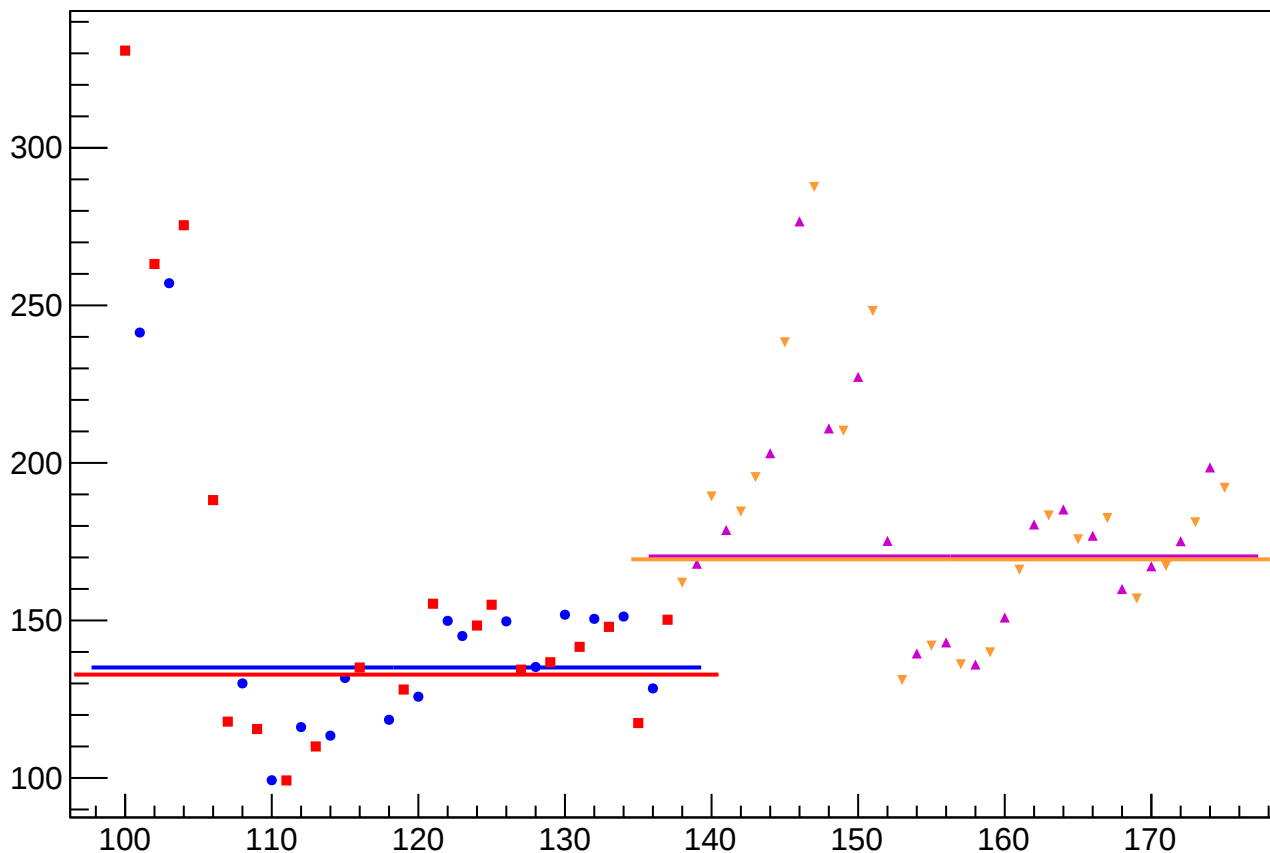
Left In: 7503.576+/-47.096 χ^2/NDF : 17289.1/17

+ sign -711.103+/-34.735 χ^2/NDF : 76212.2/36

All: 2702.971+/-24.670 χ^2/NDF : 122248.2/73

- sign 6178.466+/-35.046 χ^2/NDF : 26540.4/36

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 169.400+/-0.032 χ^2/NDF : 1052531.6/19

Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

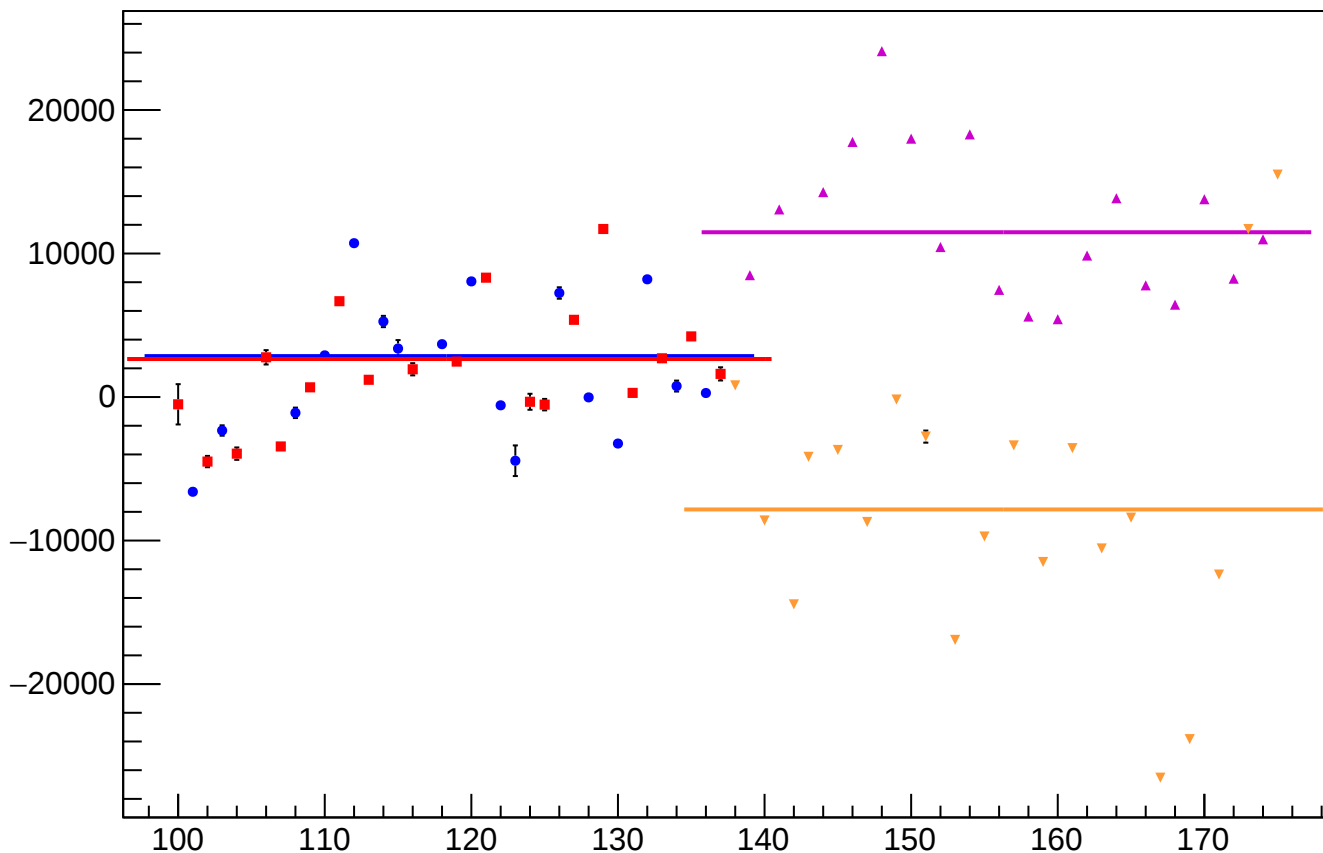
Left In: 170.315+/-0.033 χ^2/NDF : 769336.1/17

+ sign 155.608+/-0.025 χ^2/NDF : 2180755.5/36

All: 154.603+/-0.017 χ^2/NDF : 4350491.9/73

- sign 153.581+/-0.025 χ^2/NDF : 2166362.3/36

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -7833.022 $\pm$ 50.761 χ^2 /NDF:38131.8/19

Right Out: 2649.142 $\pm$ 65.731 χ^2 /NDF: 3175.7/18

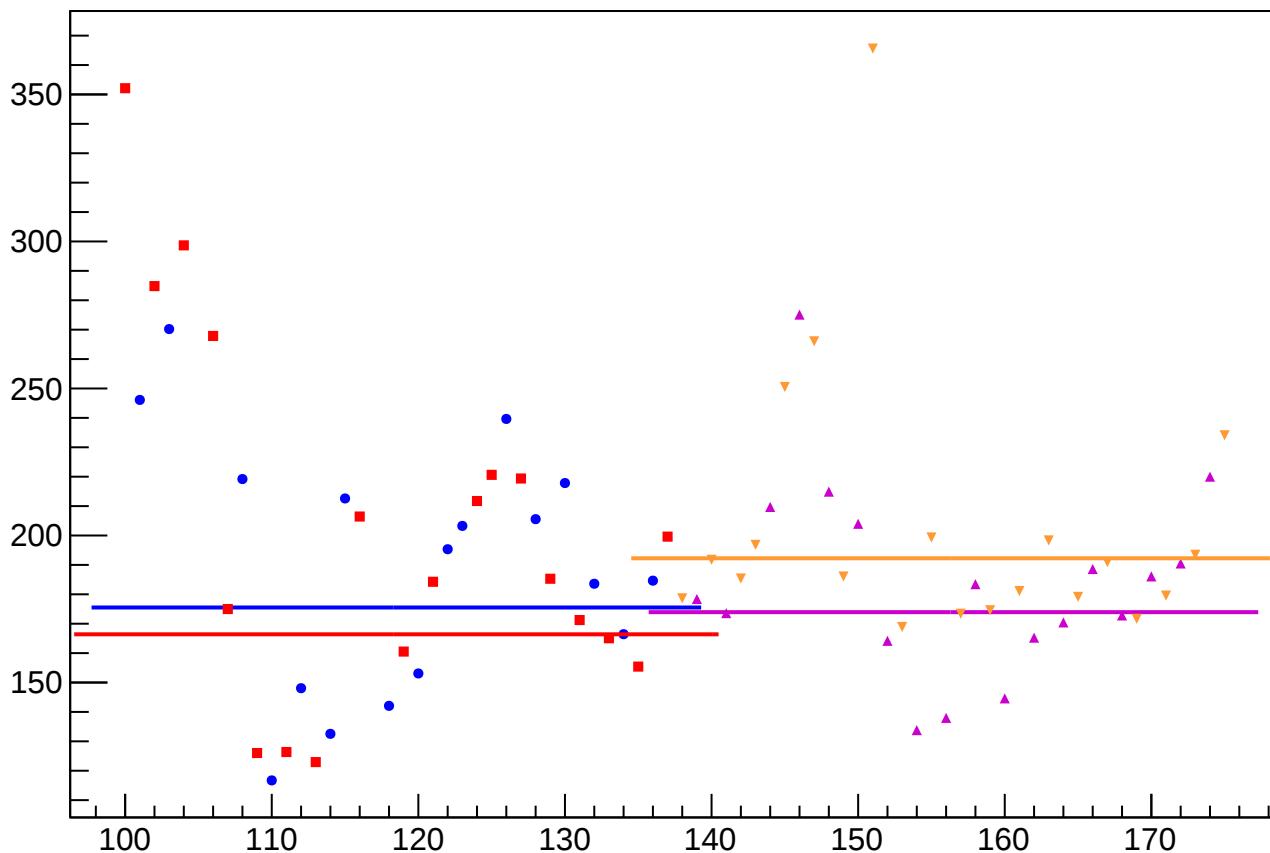
Left In: 11482.198 $\pm$ 48.179 χ^2 /NDF:10807.9/17

+ sign -4202.365 $\pm$ 41.244 χ^2 /NDF: 57365.0/36

All: 2471.318 $\pm$ 28.283 χ^2 /NDF: 132518.6/73

- sign 8395.179 $\pm$ 38.858 χ^2 /NDF: 25731.0/36

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 192.250 $\pm$ 0.036 χ^2 /NDF: 711071.0/19

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

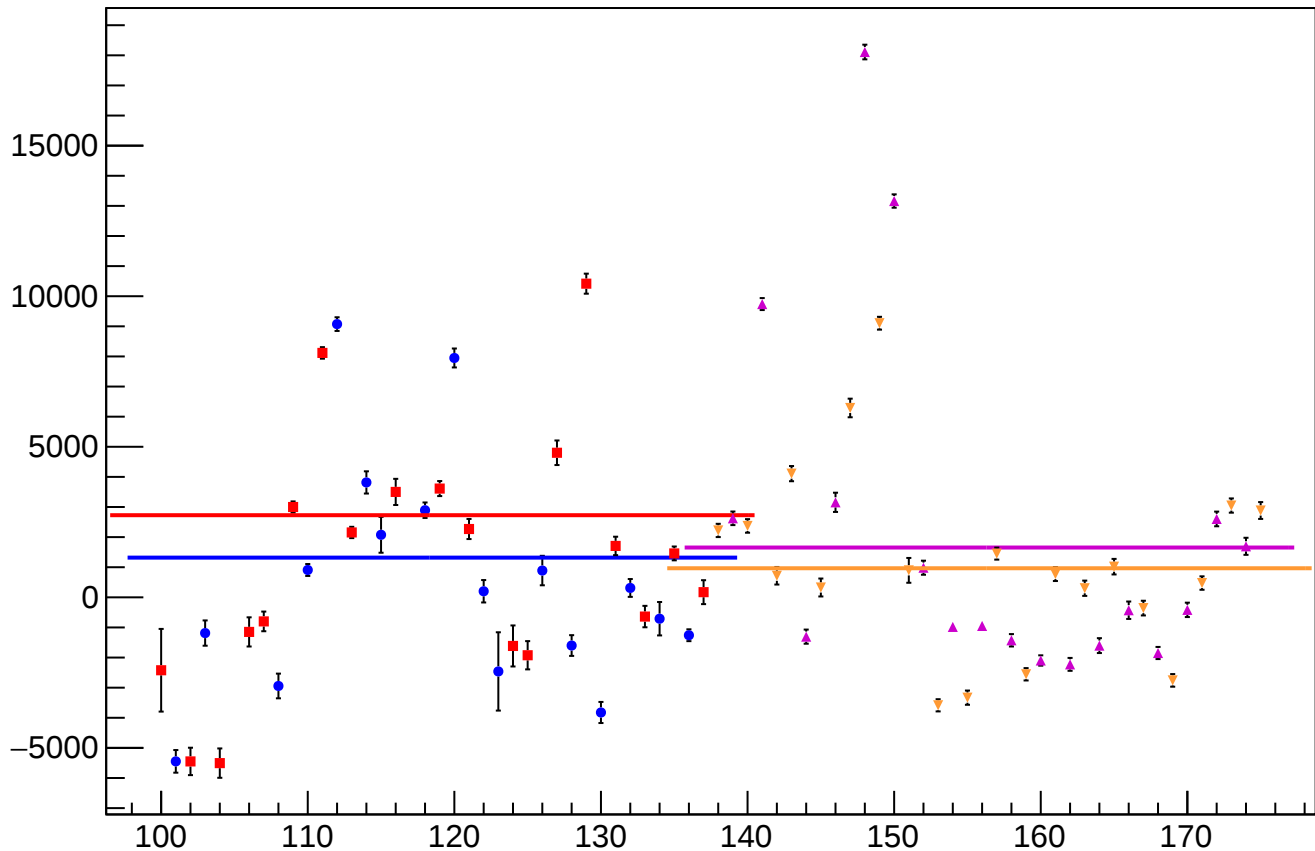
Left In: 173.928 $\pm$ 0.034 χ^2 /NDF: 776592.7/17

+ sign 186.563 $\pm$ 0.029 χ^2 /NDF: 1474584.2/36

All: 178.474 $\pm$ 0.020 χ^2 /NDF: 3343004.8/73

- sign 171.295 $\pm$ 0.027 χ^2 /NDF: 1723225.3/36

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 965.786+/-53.619 χ^2/NDF : 3603.5/19

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

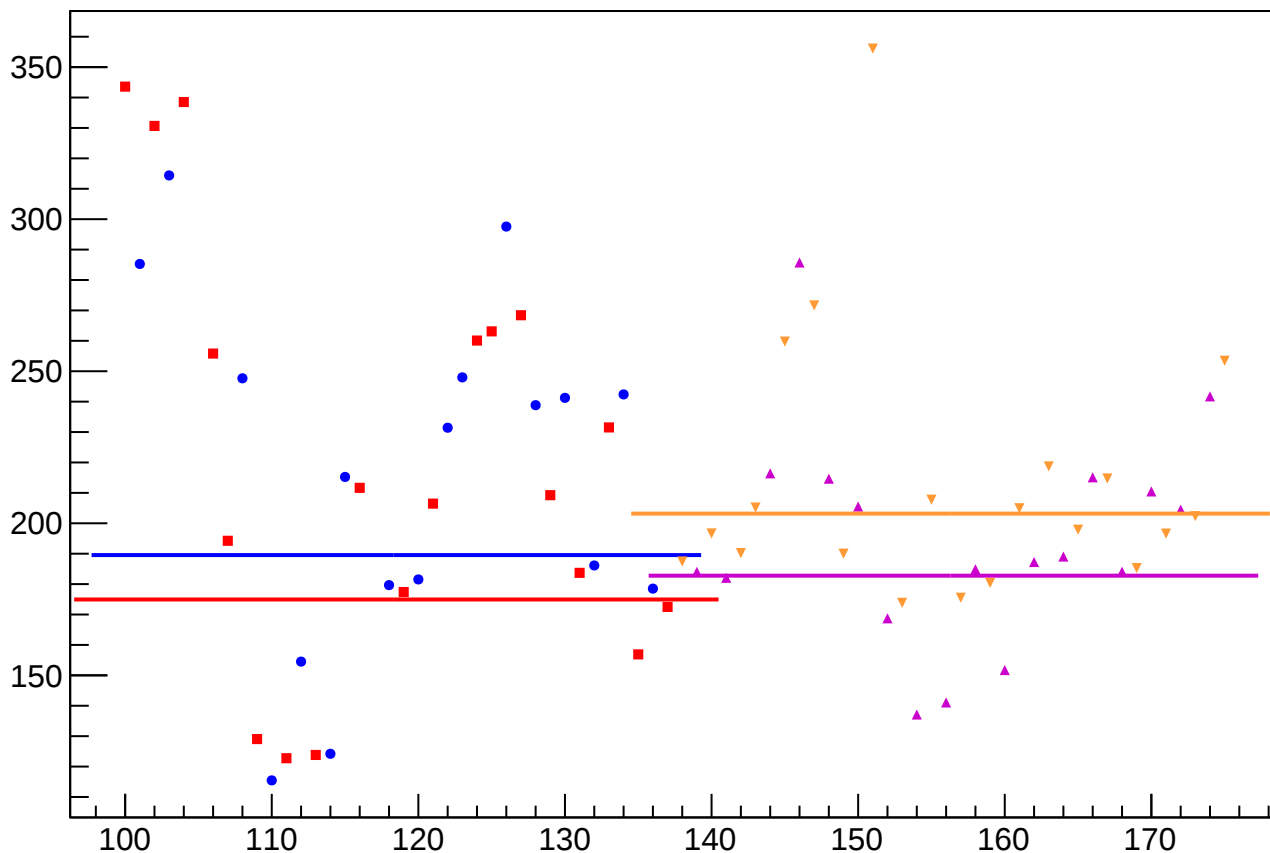
Left In: 1653.949+/-50.720 χ^2/NDF : 11302.8/17

+ sign 1080.839+/-44.029 χ^2/NDF : 6284.6/36

All: 1584.779+/-30.036 χ^2/NDF : 20482.6/73

- sign 2023.439+/-41.078 χ^2/NDF : 13952.9/36

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 203.180 $\pm$ 0.038 χ^2 /NDF: 668977.3/19

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

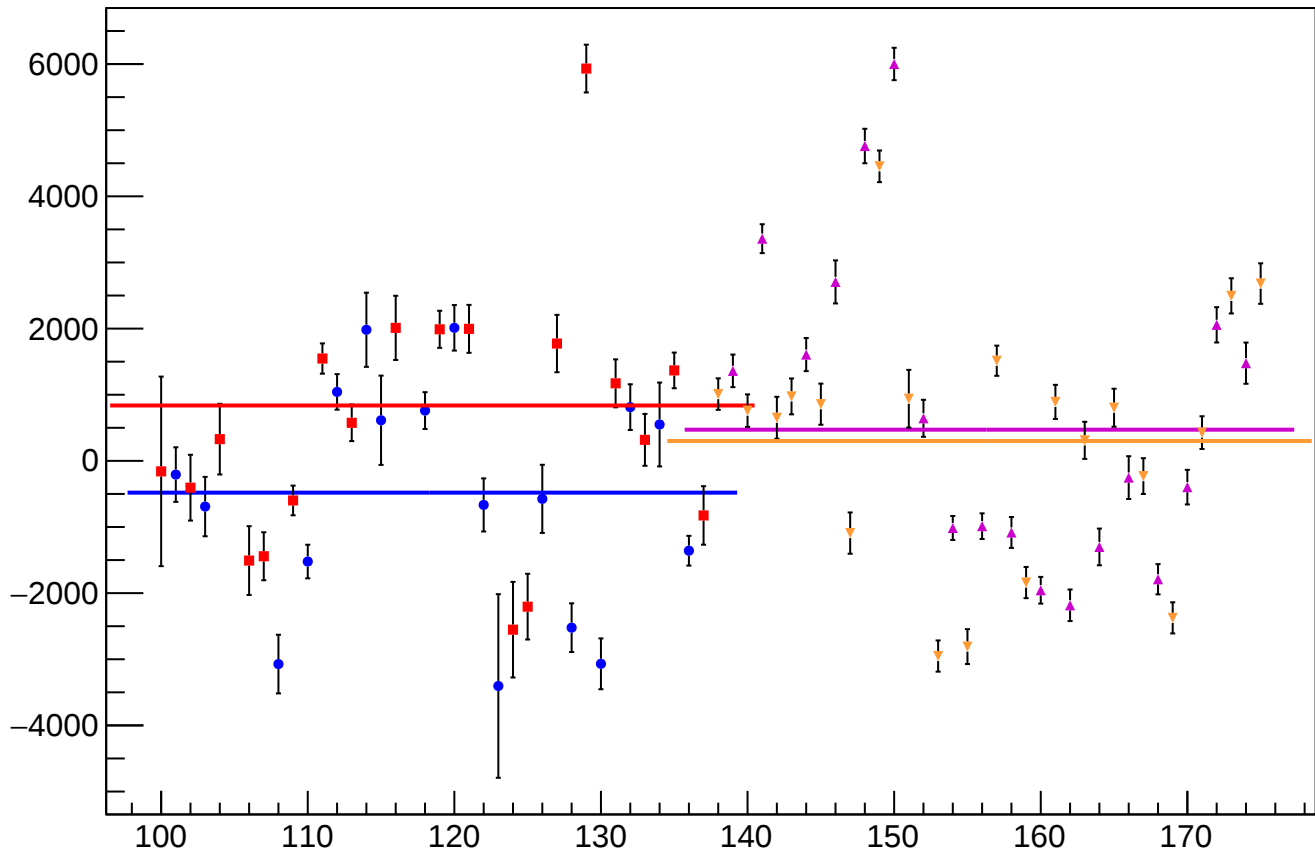
Left In: 182.774 $\pm$ 0.036 χ^2 /NDF: 846531.0/17

+ sign 198.739 $\pm$ 0.031 χ^2 /NDF: 1691853.1/36

All: 188.763 $\pm$ 0.021 χ^2 /NDF: 4043927.6/73

- sign 180.080 $\pm$ 0.029 χ^2 /NDF: 2160040.6/36

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 300.595 ± 59.415 χ^2/NDF : 1055.6/19

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

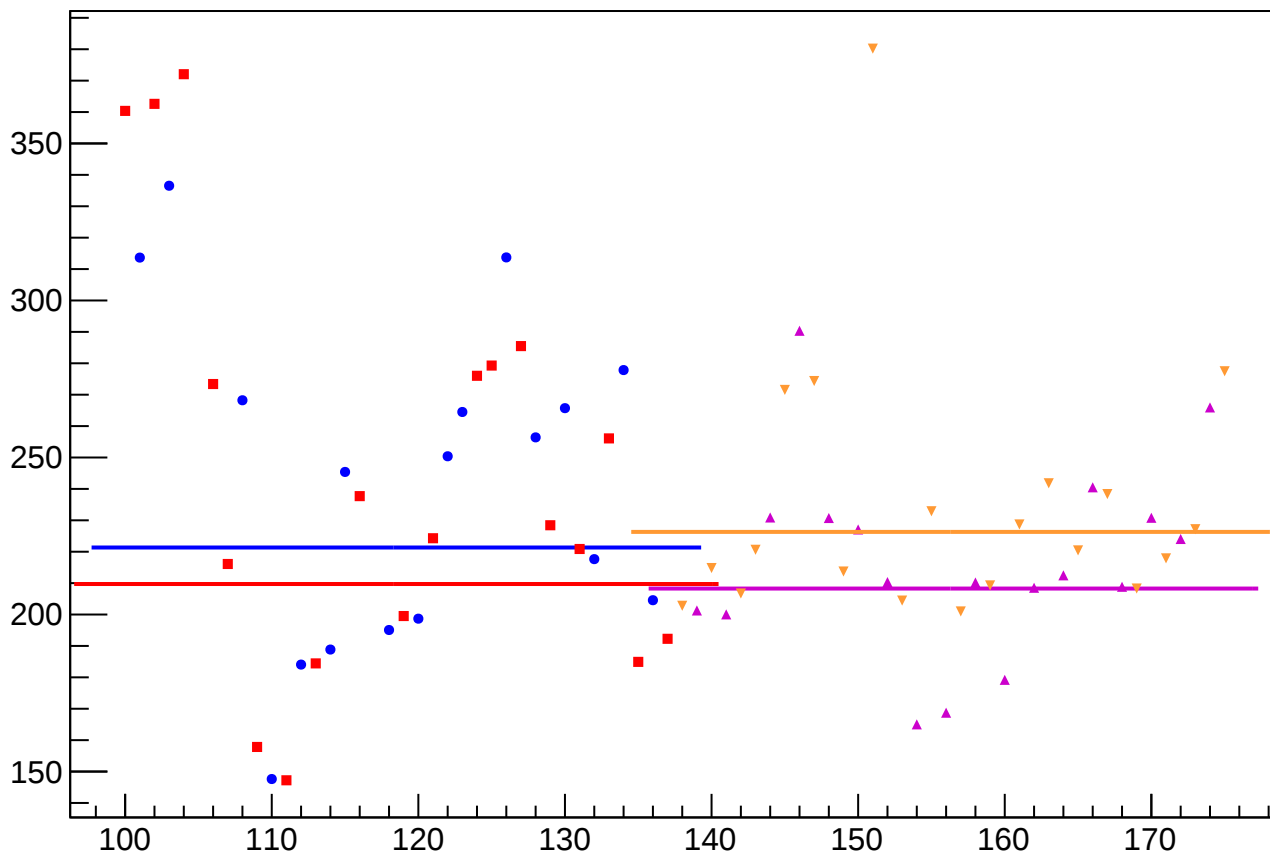
Left In: 471.622 ± 57.258 χ^2/NDF : 1673.4/17

+ sign 58.424 ± 49.354 χ^2/NDF : 1399.9/36

All: 337.788 ± 34.032 χ^2/NDF : 3583.0/73

- sign 591.049 ± 46.991 χ^2/NDF : 2122.0/36

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 226.312 $\pm$ 0.042 χ^2 /NDF: 510947.7/19

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

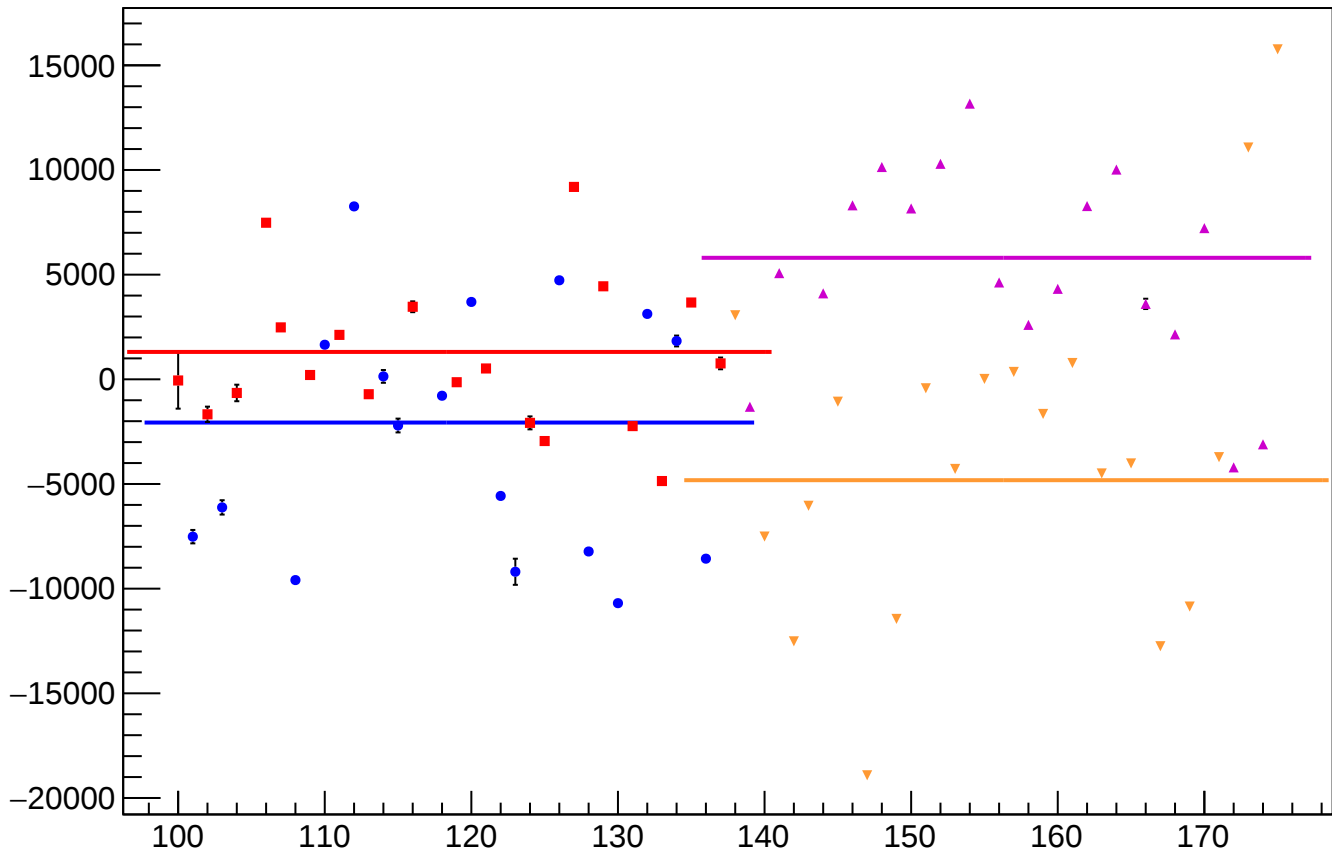
Left In: 208.270 $\pm$ 0.040 χ^2 /NDF: 523879.0/17

+ sign 224.771 $\pm$ 0.035 χ^2 /NDF: 1160973.3/36

All: 216.364 $\pm$ 0.024 χ^2 /NDF: 2679832.0/73

- sign 208.742 $\pm$ 0.033 χ^2 /NDF: 1408213.3/36

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 χ^2/NDF : 16533.3/16

Left Out: -4818.637 ± 35.131 χ^2/NDF : 44911.8/19

Right Out: 1308.512 ± 45.001 χ^2/NDF : 5894.4/18

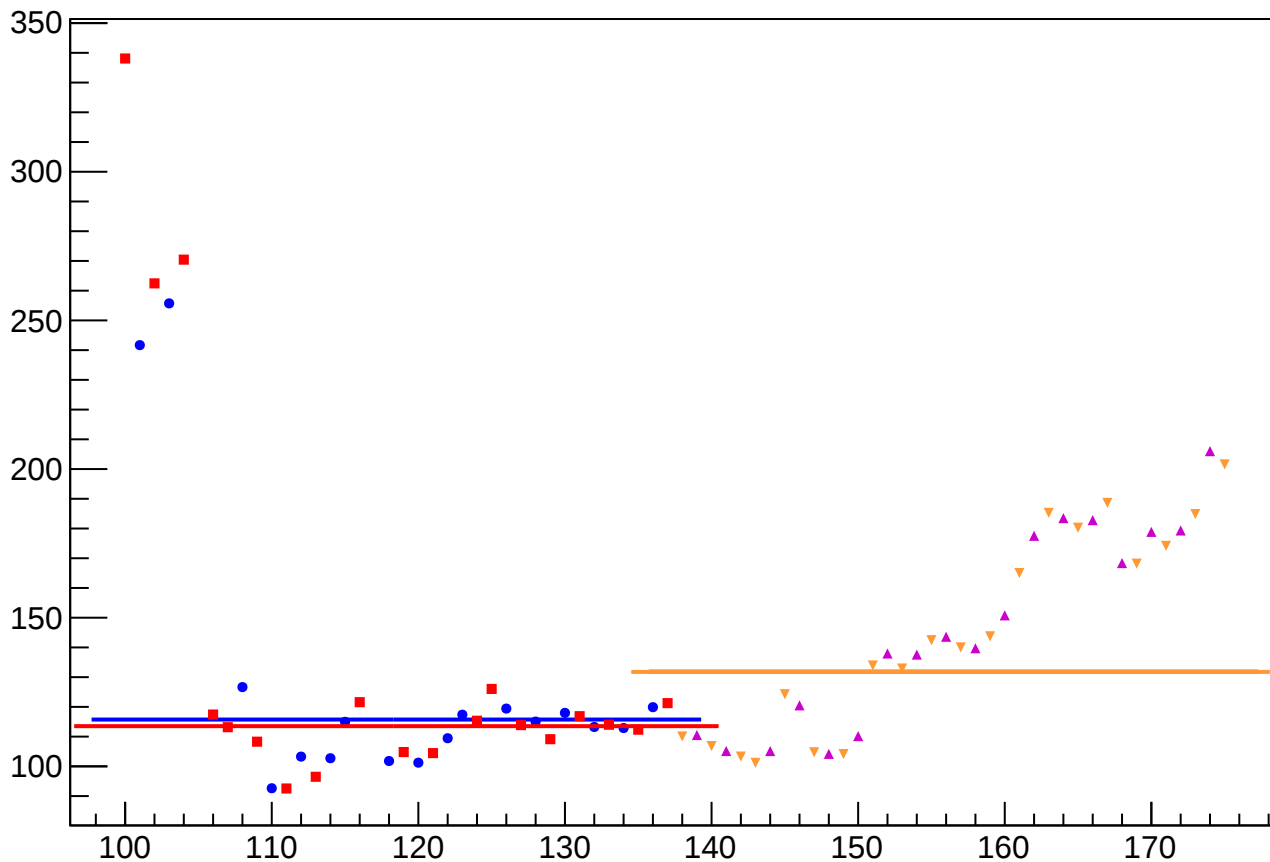
Left In: 5804.384 ± 36.451 χ^2/NDF : 13396.4/17

+ sign -3840.296 ± 28.208 χ^2/NDF : 63627.7/36

All: 75.232 ± 19.987 χ^2/NDF : 127642.0/73

- sign 4023.255 ± 28.325 χ^2/NDF : 25317.7/36

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 131.770+/-0.025 χ^2/NDF :1461629.3/19

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

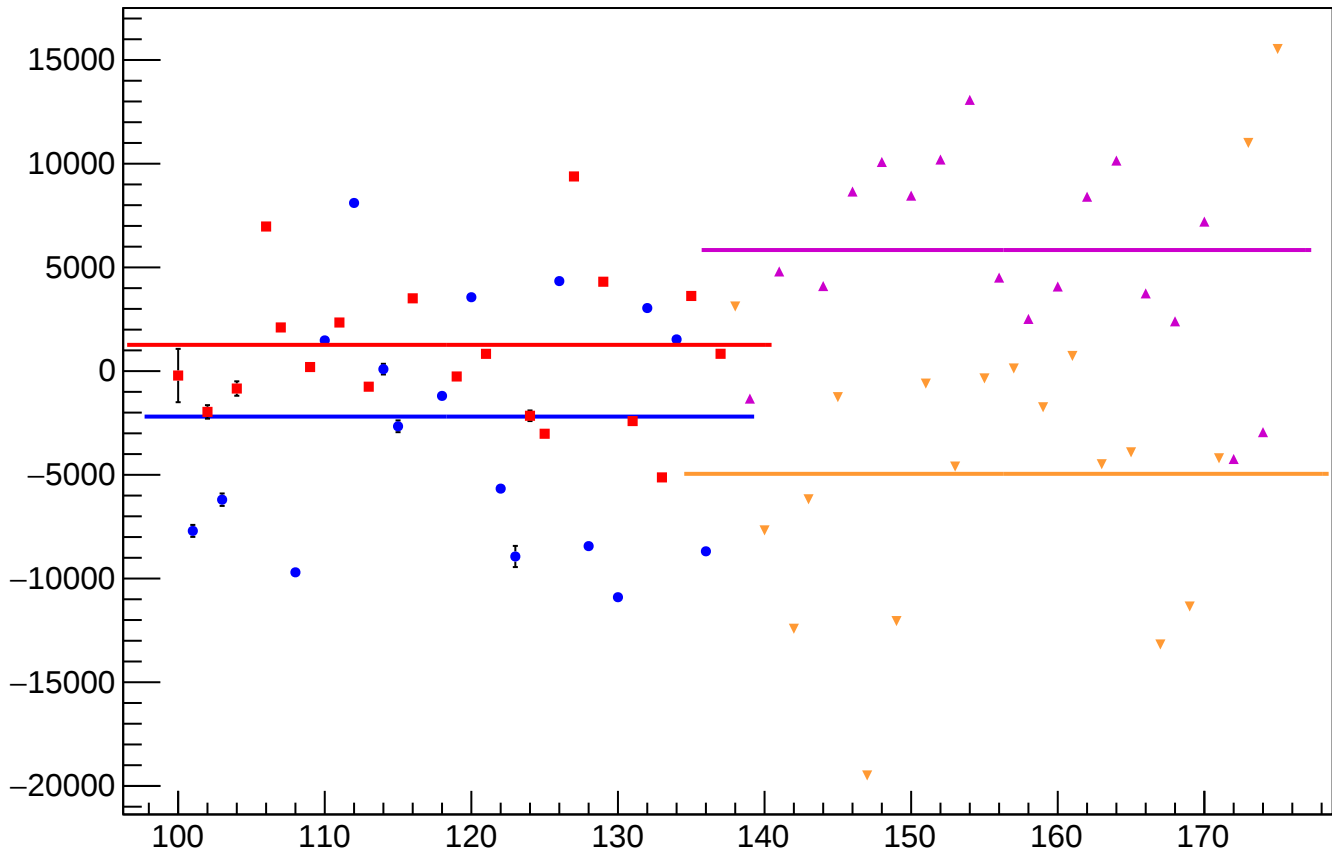
Left In: 131.843+/-0.026 χ^2/NDF :1252580.1/17

+ sign 126.075+/-0.020 χ^2/NDF : 2353591.0/36

All: 125.332+/-0.014 χ^2/NDF : 4605819.0/73

- sign 124.583+/-0.020 χ^2/NDF : 2249444.5/36

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 χ^2/NDF : 22813.5/16

Left Out: -4952.366 ± 31.851 χ^2/NDF : 53371.4/19

Right Out: 1266.189 ± 38.048 χ^2/NDF : 8550.5/18

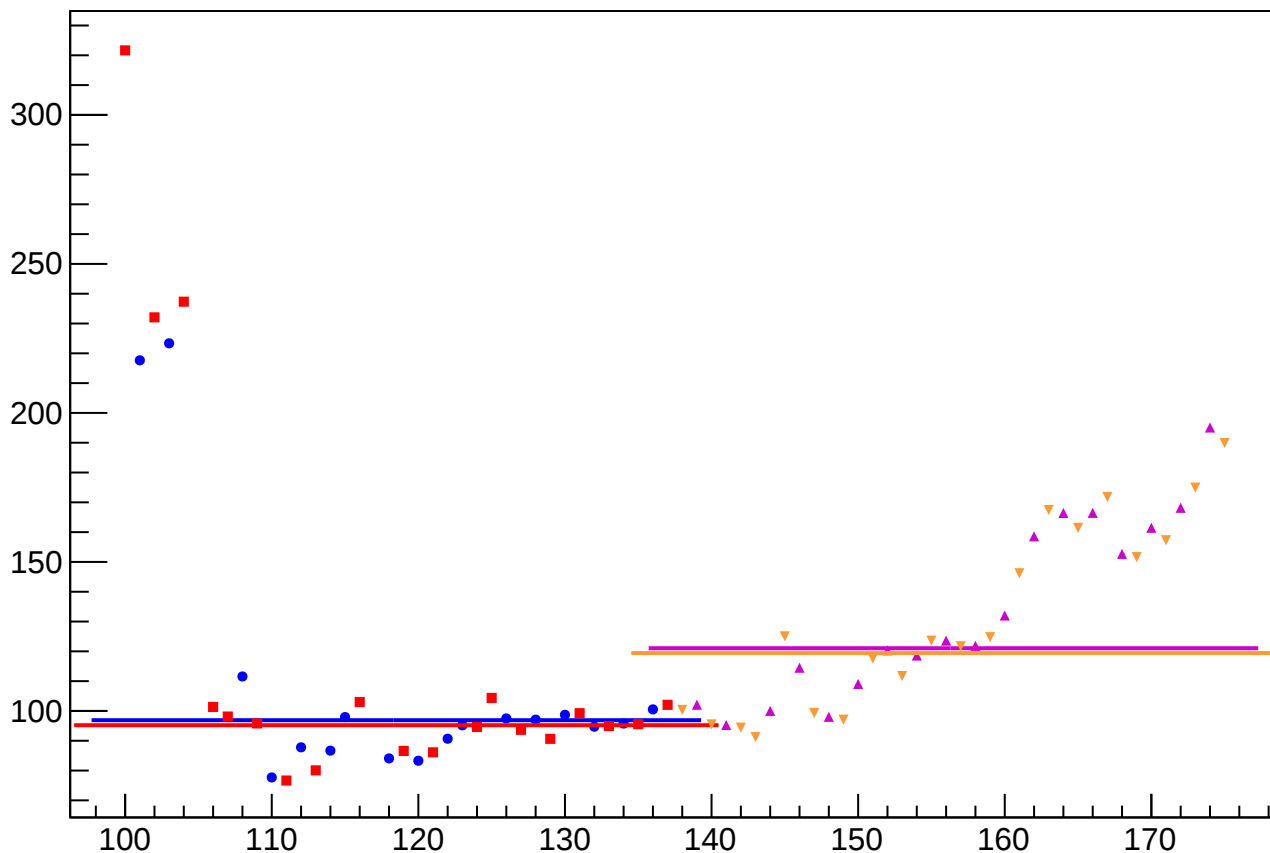
Left In: 5837.989 ± 33.402 χ^2/NDF : 16145.2/17

+ sign -3879.579 ± 24.903 χ^2/NDF : 79103.6/36

All: -46.399 ± 17.679 χ^2/NDF : 159718.4/73

- sign 3848.146 ± 25.101 χ^2/NDF : 32849.7/36

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 119.424+/-0.023 χ^2/NDF : 1421496.5/19

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

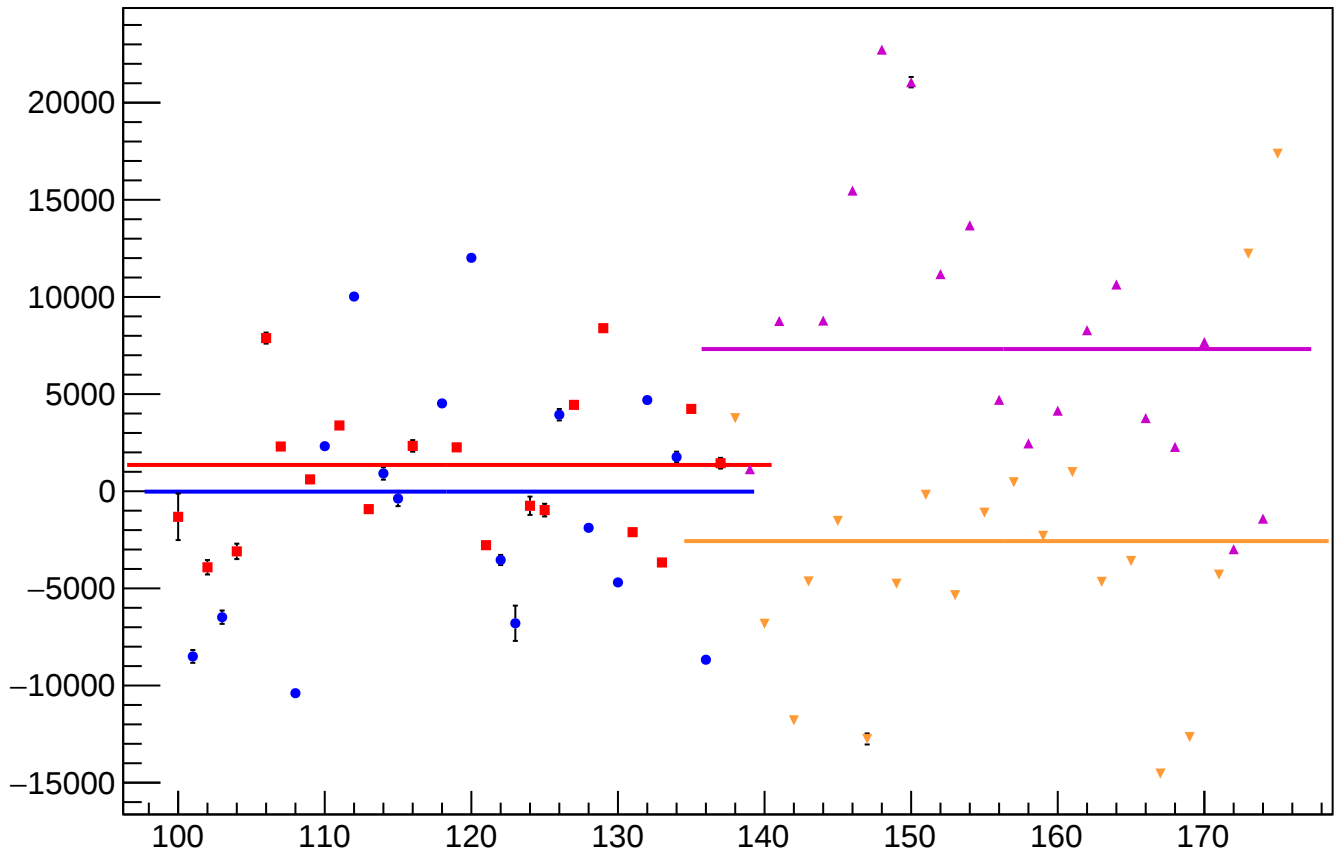
Left In: 121.041+/-0.024 χ^2/NDF : 1106093.8/17

+ sign 110.667+/-0.018 χ^2/NDF : 2627685.3/36

All: 110.236+/-0.013 χ^2/NDF : 5115237.1/73

- sign 109.799+/-0.018 χ^2/NDF : 2486348.9/36

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -2565.934 ± 42.986 $\chi^2/\text{NDF}: 24325.4/19$

Right Out: 1353.461 ± 52.367 $\chi^2/\text{NDF}: 3837.2/18$

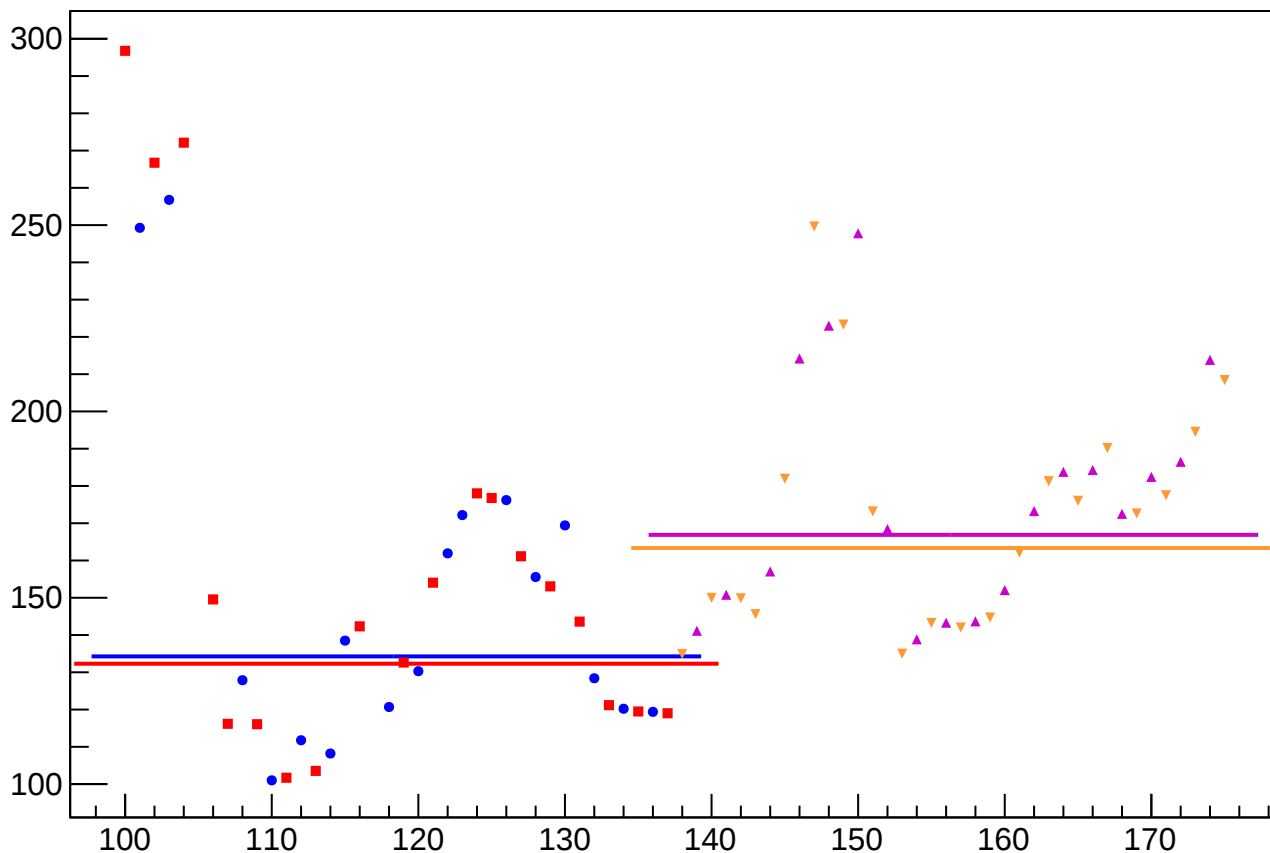
Left In: 7319.151 ± 45.716 $\chi^2/\text{NDF}: 17068.4/17$

+ sign -1592.694 ± 33.785 $\chi^2/\text{NDF}: 42027.4/36$

All: 1512.479 ± 24.117 $\chi^2/\text{NDF}: 87523.1/73$

- sign 4738.995 ± 34.439 $\chi^2/\text{NDF}: 28270.7/36$

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 $\pm$ 0.039 χ^2 /NDF: 788647.0/16

Left Out: 163.364 $\pm$ 0.030 χ^2 /NDF: 768254.3/19

Right Out: 132.302 $\pm$ 0.037 χ^2 /NDF: 869892.7/18

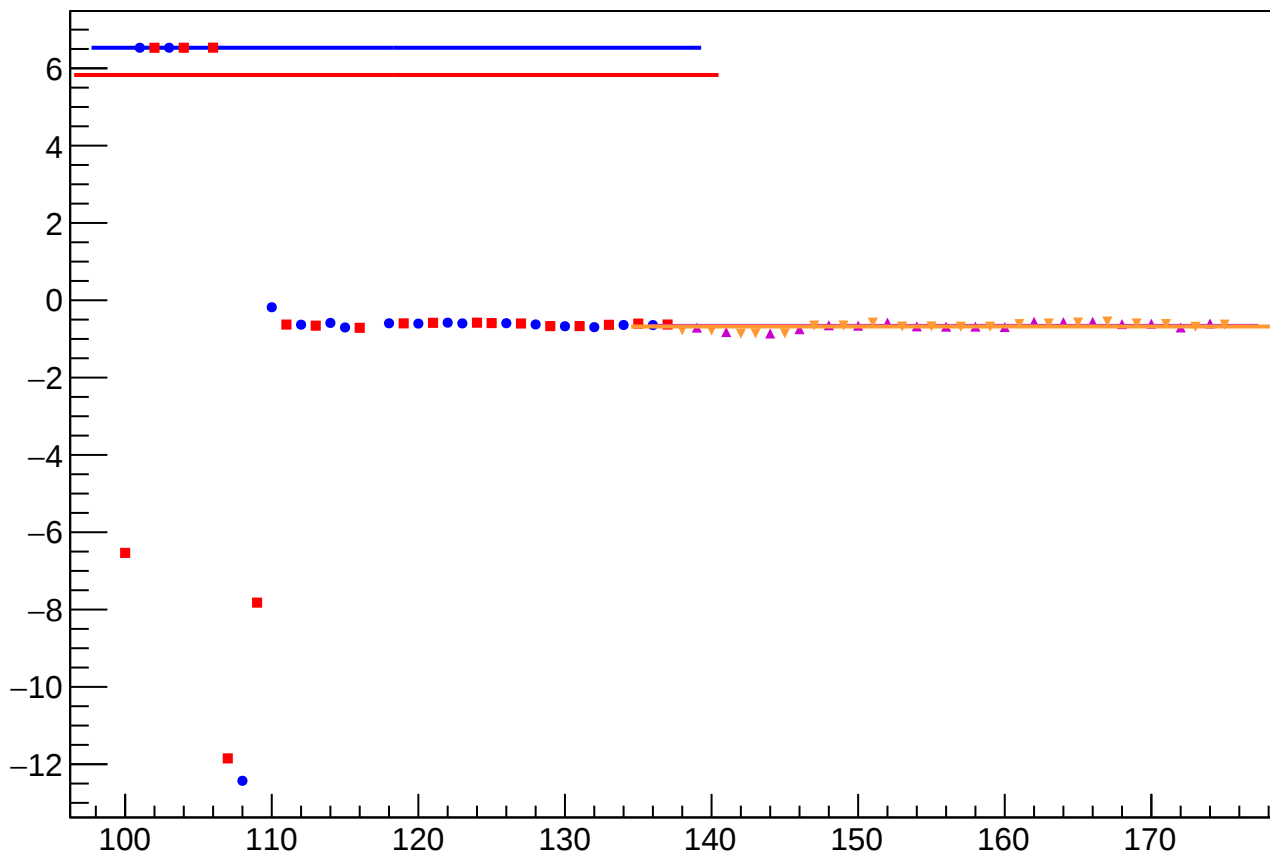
Left In: 166.878 $\pm$ 0.032 χ^2 /NDF: 717238.1/17

+ sign 152.241 $\pm$ 0.024 χ^2 /NDF: 1907200.5/36

All: 152.086 $\pm$ 0.017 χ^2 /NDF: 3989221.4/73

- sign 151.924 $\pm$ 0.024 χ^2 /NDF: 2081934.3/36

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

Left Out: -0.678 $\pm$ 0.000 χ^2 /NDF: 128624817.3/19

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755948646460090.5/18

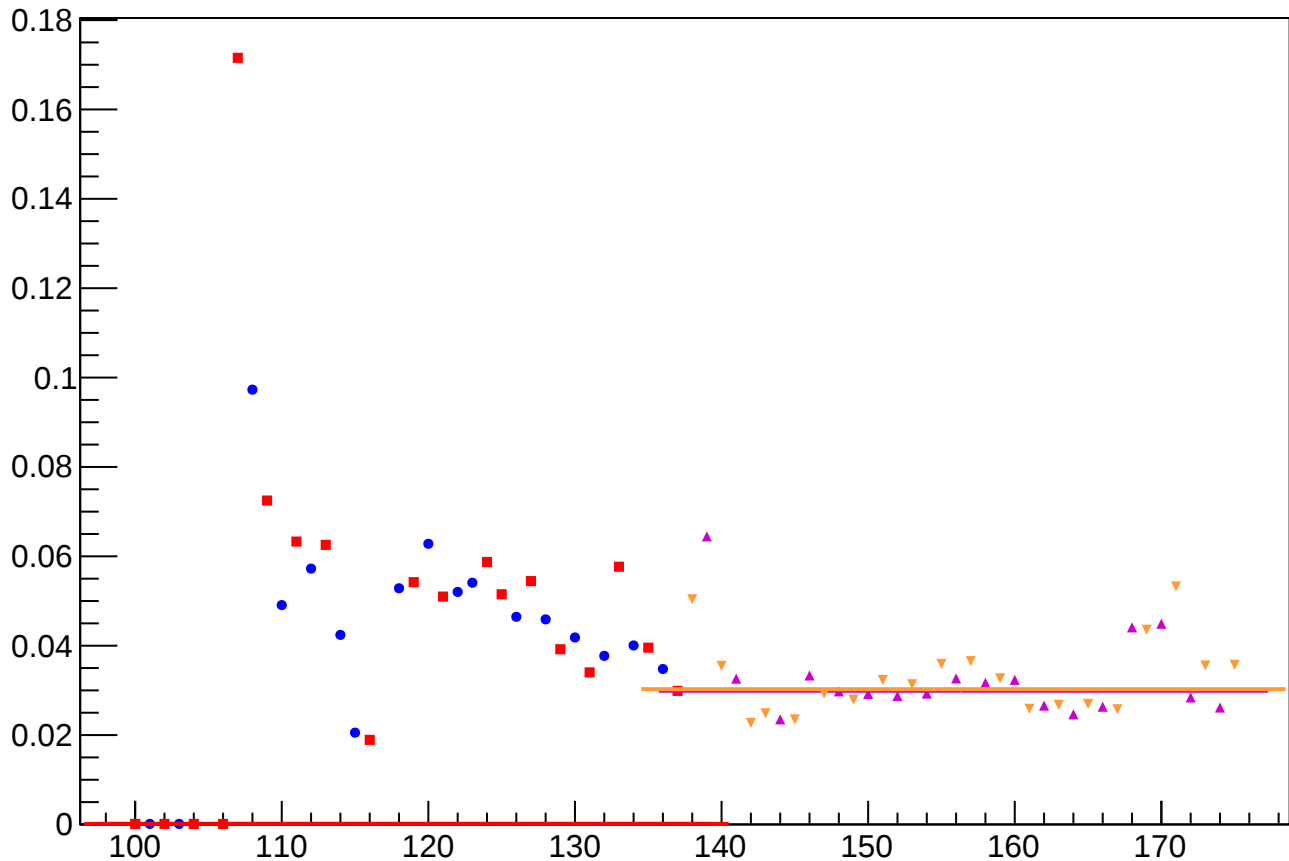
Left In: -0.664 $\pm$ 0.000 χ^2 /NDF: 100878138.4/17

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 791733132258.8/36

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 77724166226110

- sign 5.827 $\pm$ 0.000 χ^2 /NDF: 756461237100448.0/36

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 : 1063457.2/19

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

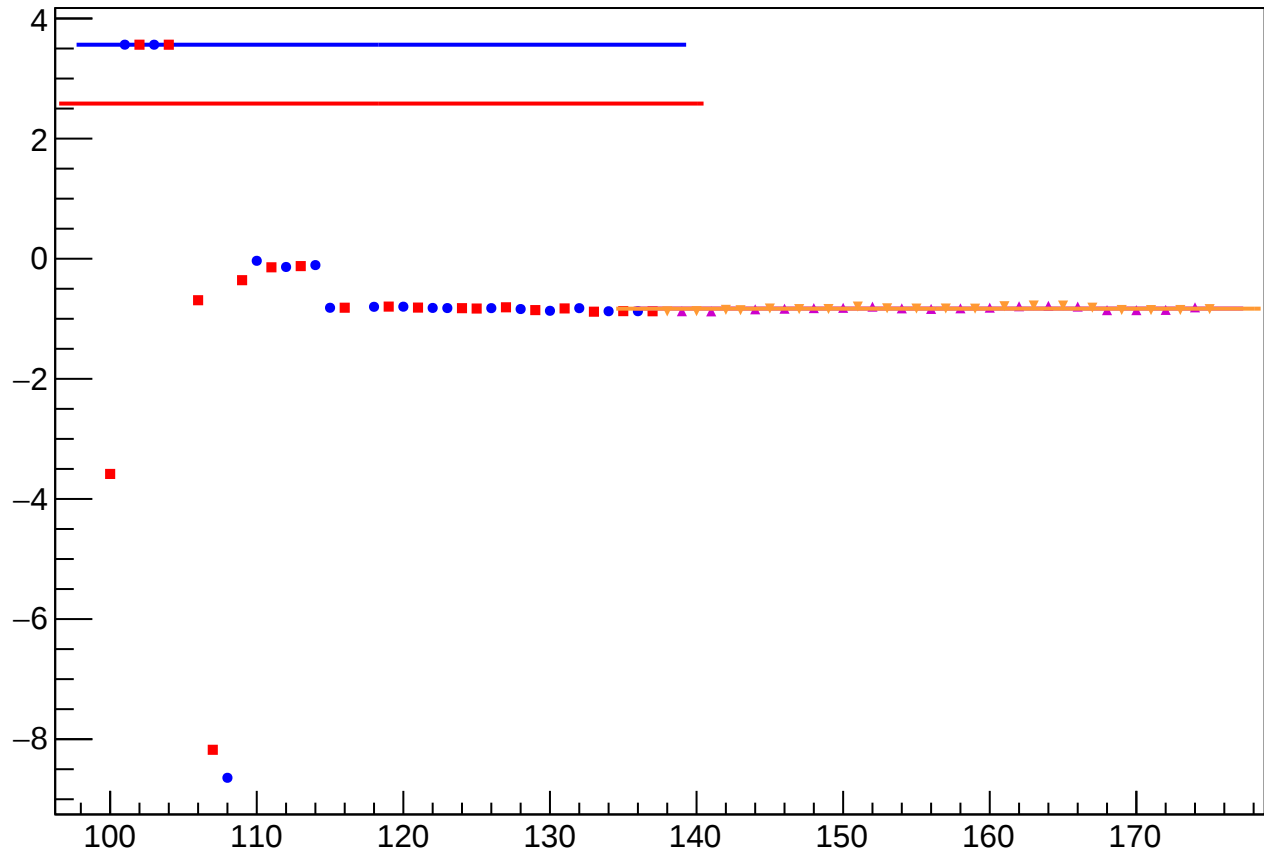
Left In: 0.030+/-0.000 χ^2/NDF : 913191.6/17

+ sign 0.000+/-0.000 χ^2/NDF : 33297878.7/36

All: 0.000+/-0.000 χ^2/NDF : 65179156.5/73

- sign 0.000+/-0.000 χ^2/NDF : 31880695.5/36

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.831+/-0.000 χ^2/NDF : 144048490.9/19

Right Out: 2.583+/-0.000 χ^2/NDF : 1253505323583154.2/18

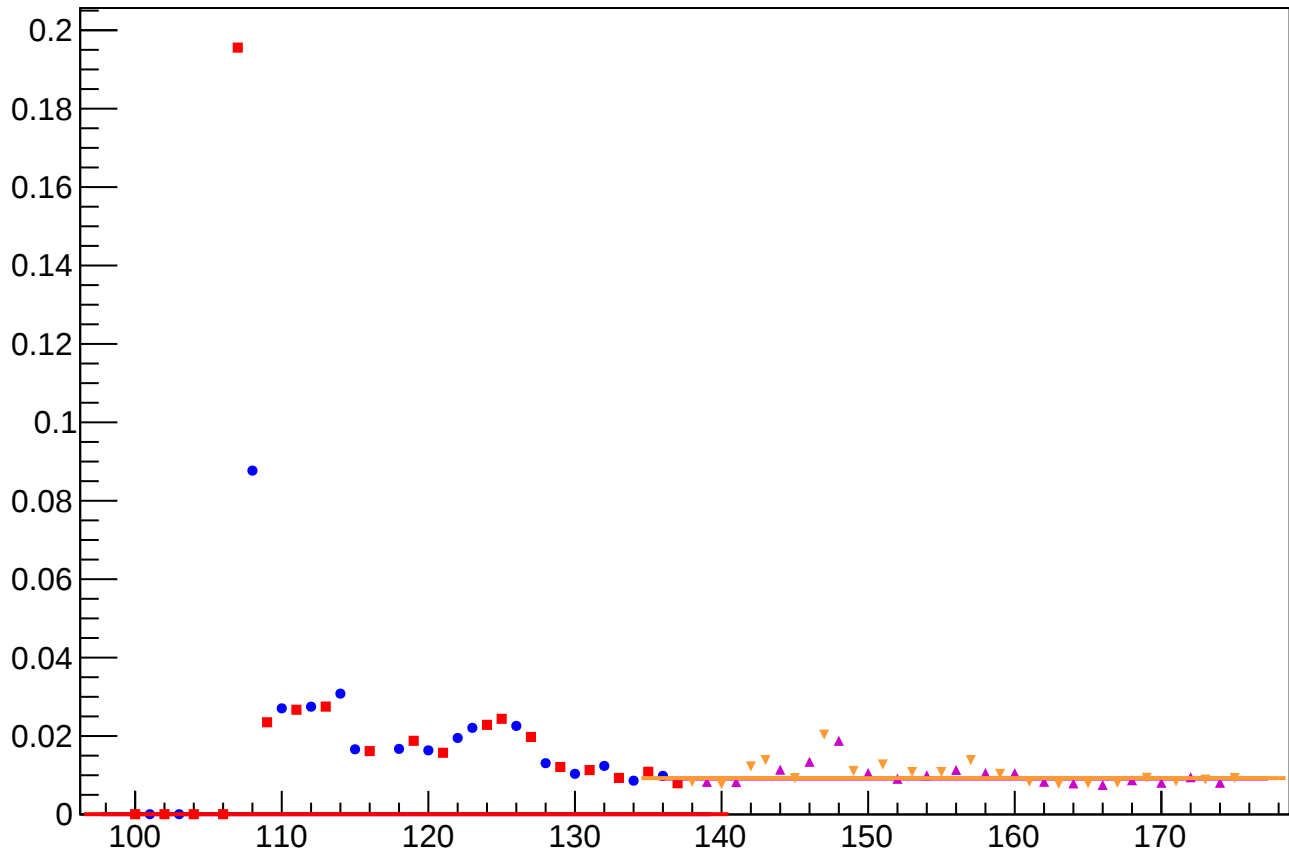
Left In: -0.830+/-0.000 χ^2/NDF : 124592000.7/17

+ sign 3.561+/-0.000 χ^2/NDF : 3245047089274.2/36

All: 3.038+/-0.000 χ^2/NDF : 13864391146784

- sign 2.582+/-0.000 χ^2/NDF : 1255088219837047.8

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 :1079038.7/19

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

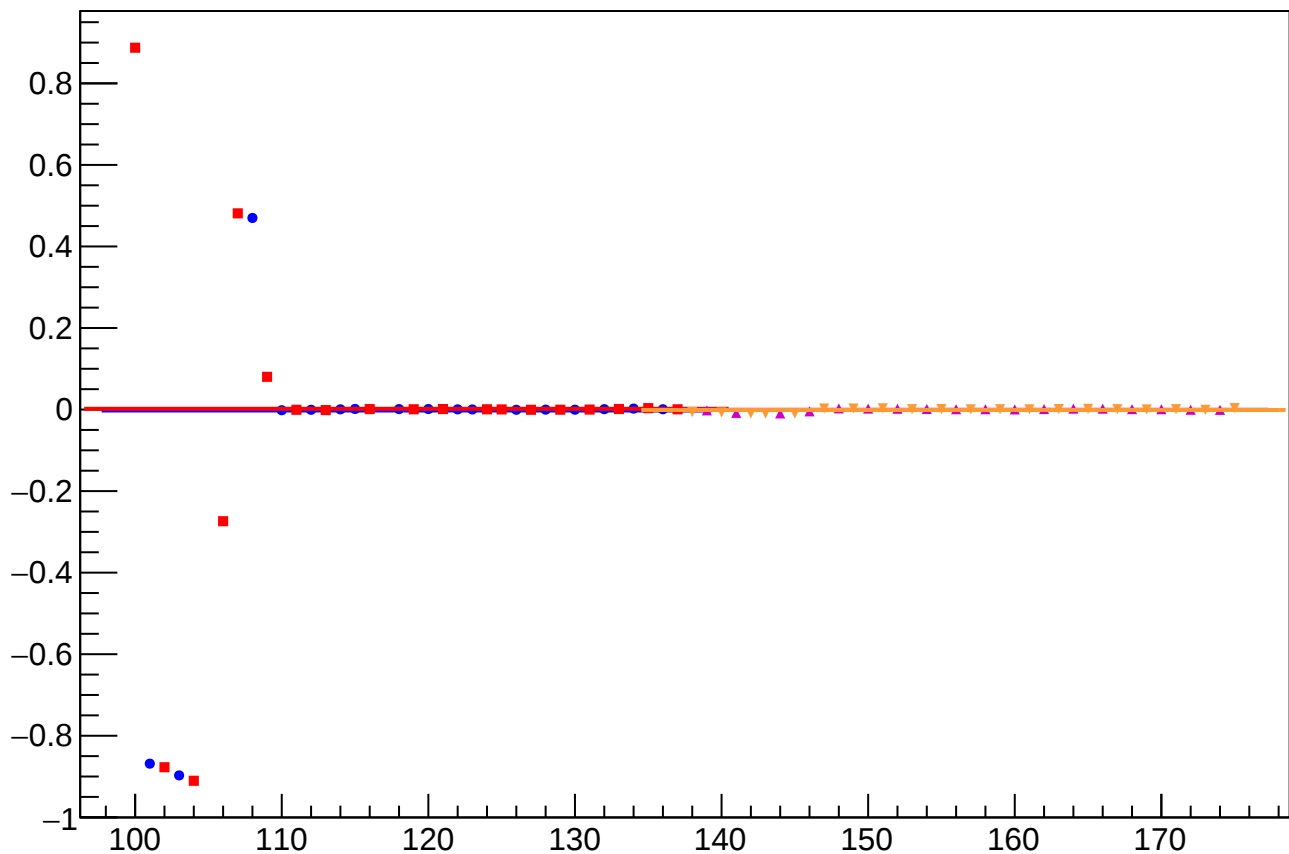
Left In: 0.009+/-0.000 χ^2/NDF :818940.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 35057007.9/36

All: 0.000+/-0.000 χ^2/NDF : 68197635.6/73

- sign 0.000+/-0.000 χ^2/NDF : 33139600.7/36

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 : 101734846.1/19

Right Out: 0.002+/-0.000 χ^2/NDF : 3041331104.7/18

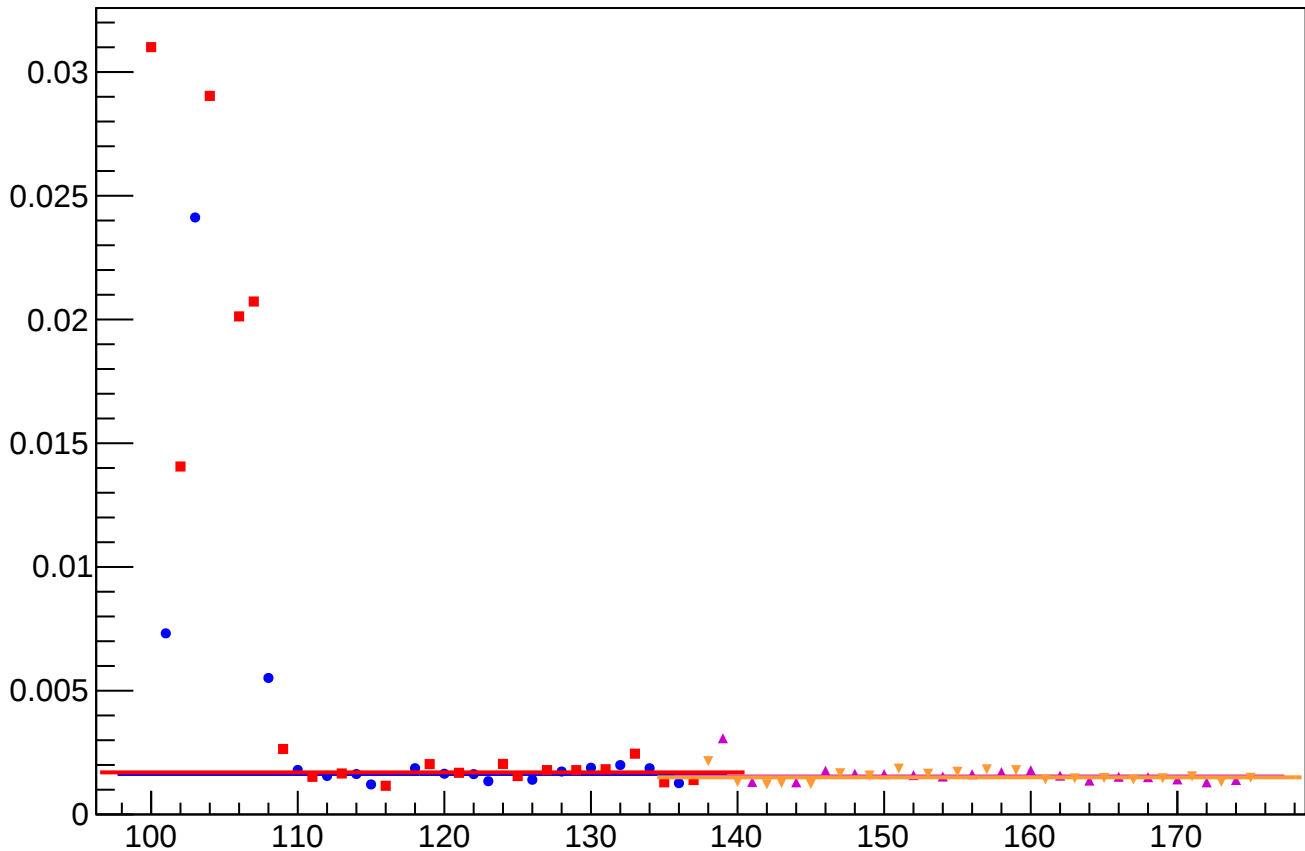
Left In: -0.001+/-0.000 χ^2/NDF : 67356635.9/17

+ sign -0.001+/-0.000 χ^2/NDF : 9899110865.1/36

All: -0.001+/-0.000 χ^2/NDF : 13020849156.8/36

- sign 0.000+/-0.000 χ^2/NDF : 3115651475.1/36

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: 456209.5/19

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

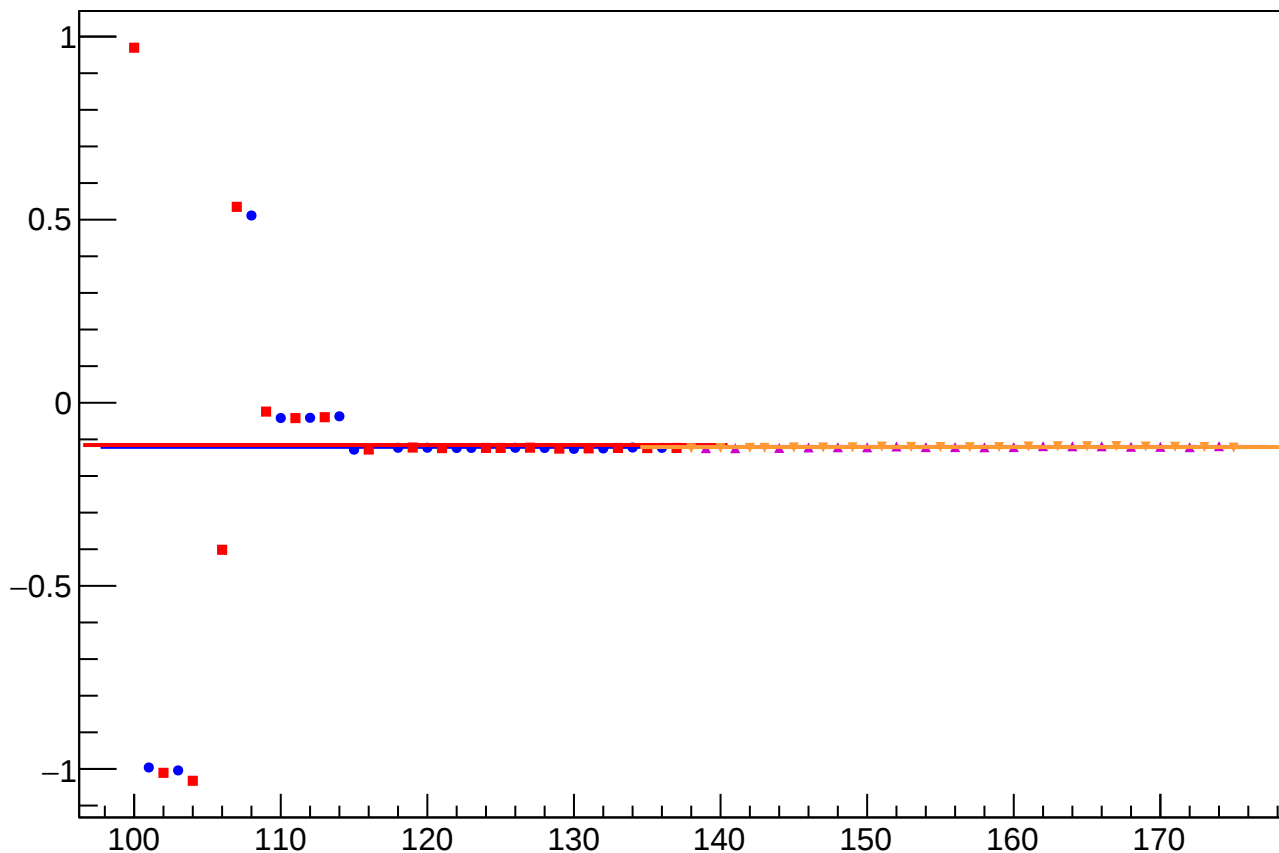
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 567647.5/17

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2422823.5/36

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6092547.3/73

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3659628.9/36

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 : 34030303.3/19

Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

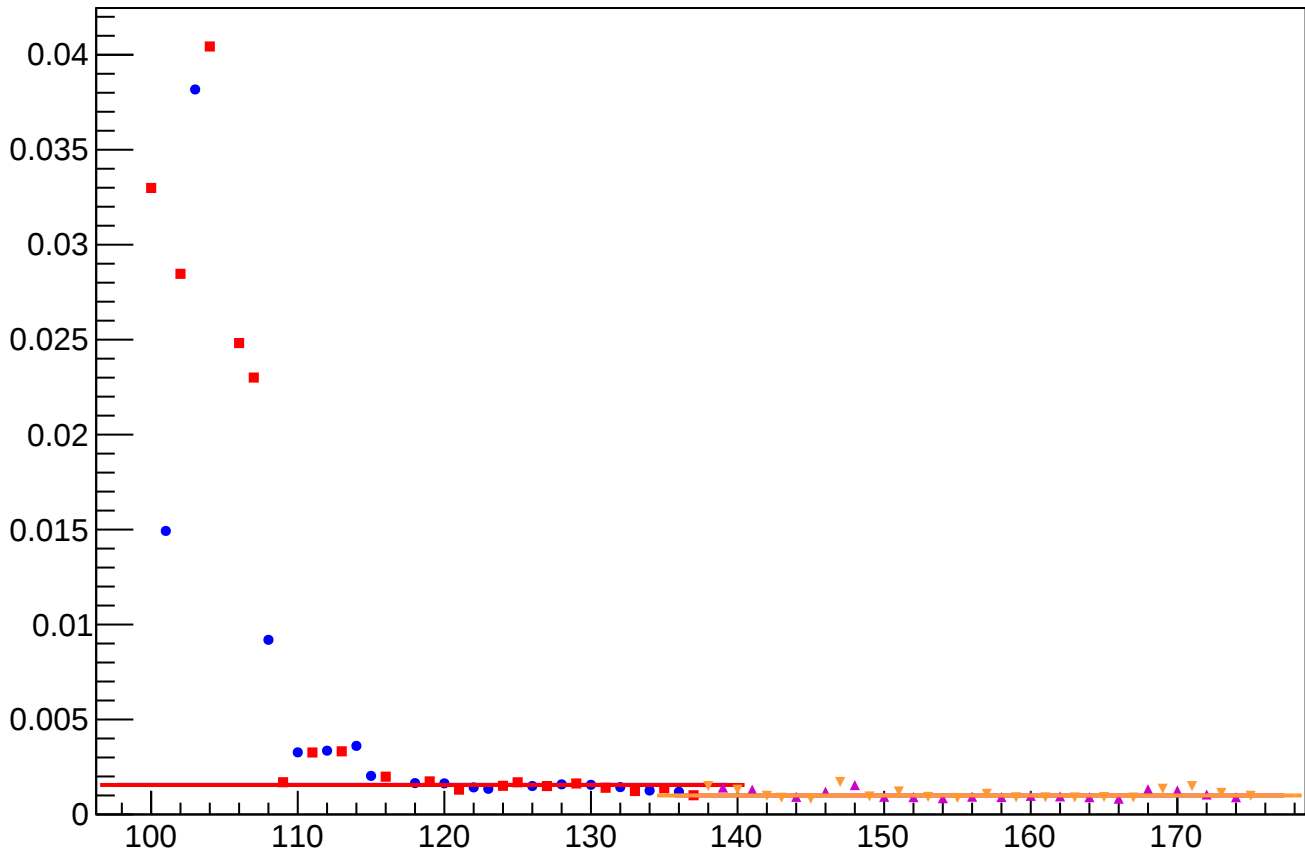
Left In: -0.121+/-0.000 χ^2/NDF : 32602429.0/17

+ sign -0.121+/-0.000 χ^2/NDF : 3966891715.4/36

All: -0.120+/-0.000 χ^2/NDF : 6507661851.7/77

- sign -0.120+/-0.000 χ^2/NDF : 2535316846.0/36

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:1034777.0/19

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3538622.3/18

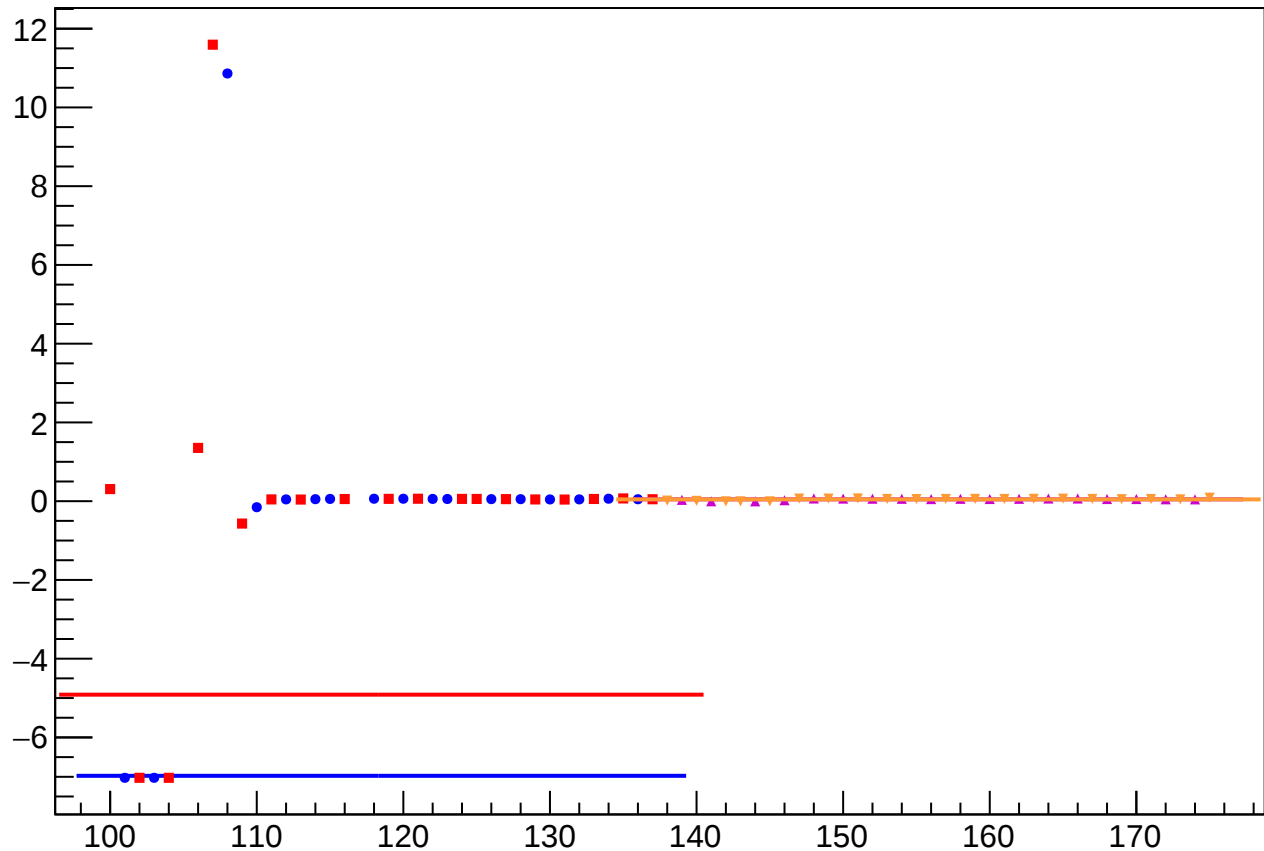
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:751442.6/17

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4981969.6/36

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10286093.1/73

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5304002.0/36

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.046+/-0.000 χ^2/NDF :112429124.2/19

Right Out: -4.914+/-0.000 χ^2/NDF : 365362215369689.4/18

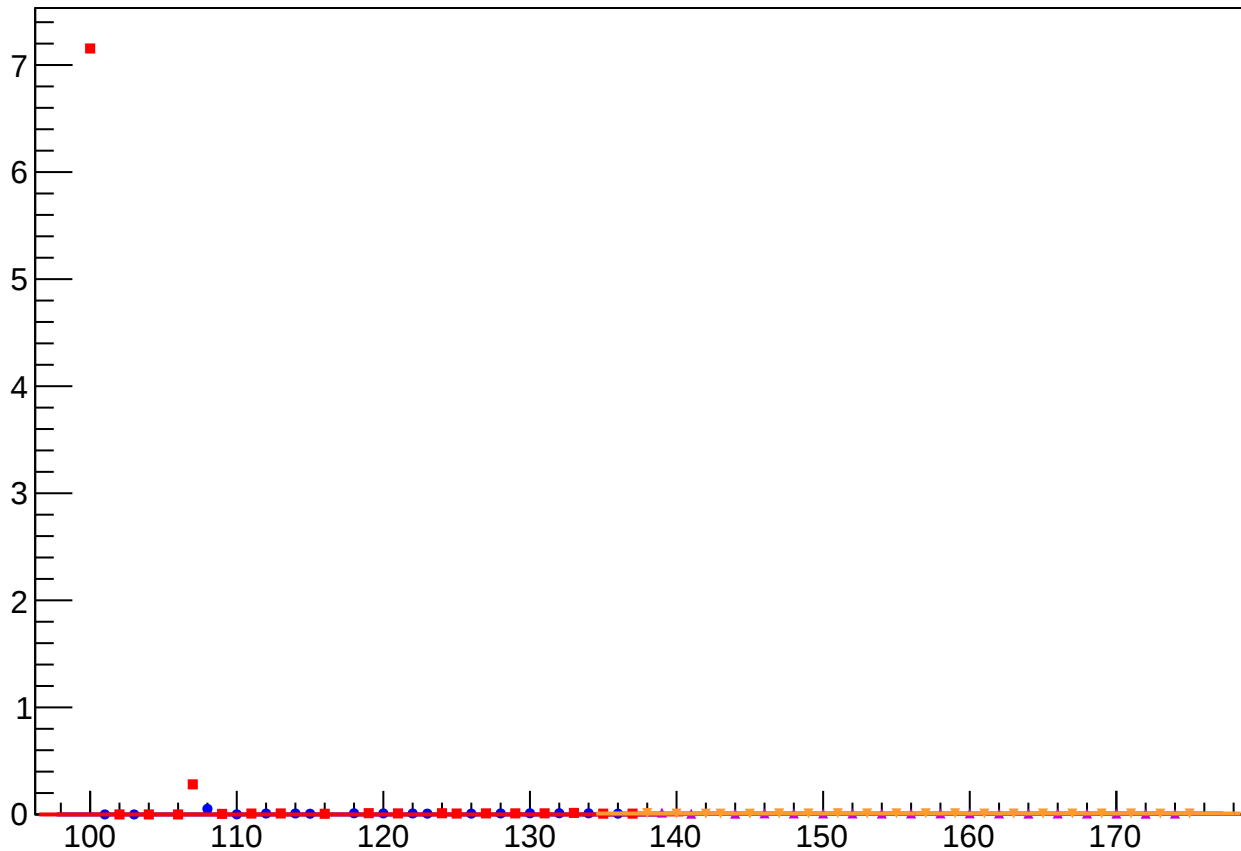
Left In: 0.047+/-0.000 χ^2/NDF :74629526.8/17

+ sign -6.933+/-0.000 χ^2/NDF : 16308654318647.2/16

All: -5.867+/-0.000 χ^2/NDF : 4405744448393.4/16

- sign -4.889+/-0.000 χ^2/NDF : 368730489676492.1/16

yield_cav4dX_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8362763.6/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:453860.2/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8802124.3/18

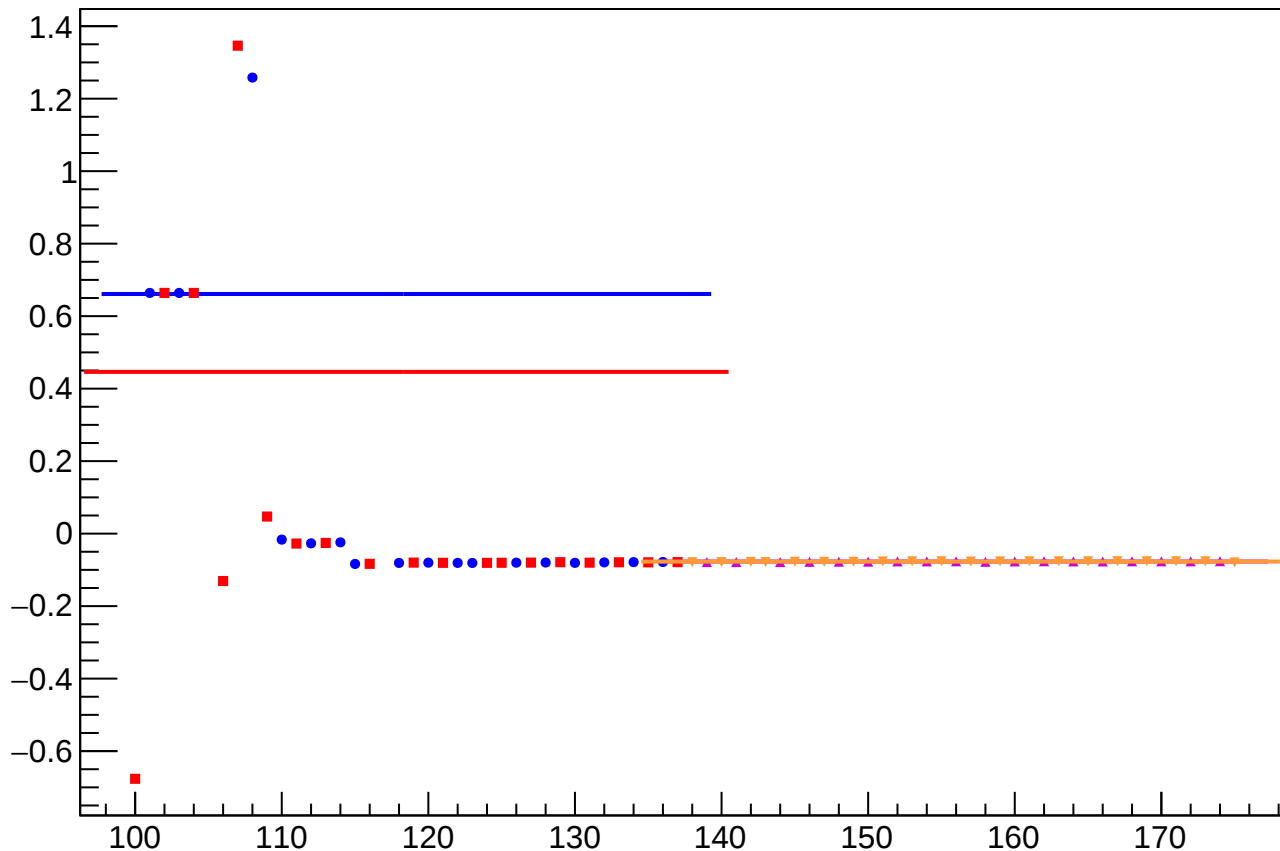
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:572132.8/17

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31805054.2/36

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 62589541.1/73

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 30780660.3/36

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5678332616622.1/16

Left Out: -0.077+/-0.000 χ^2/NDF : 50980116.4/19

Right Out: 0.446+/-0.000 χ^2/NDF : 405428604683882.5/18

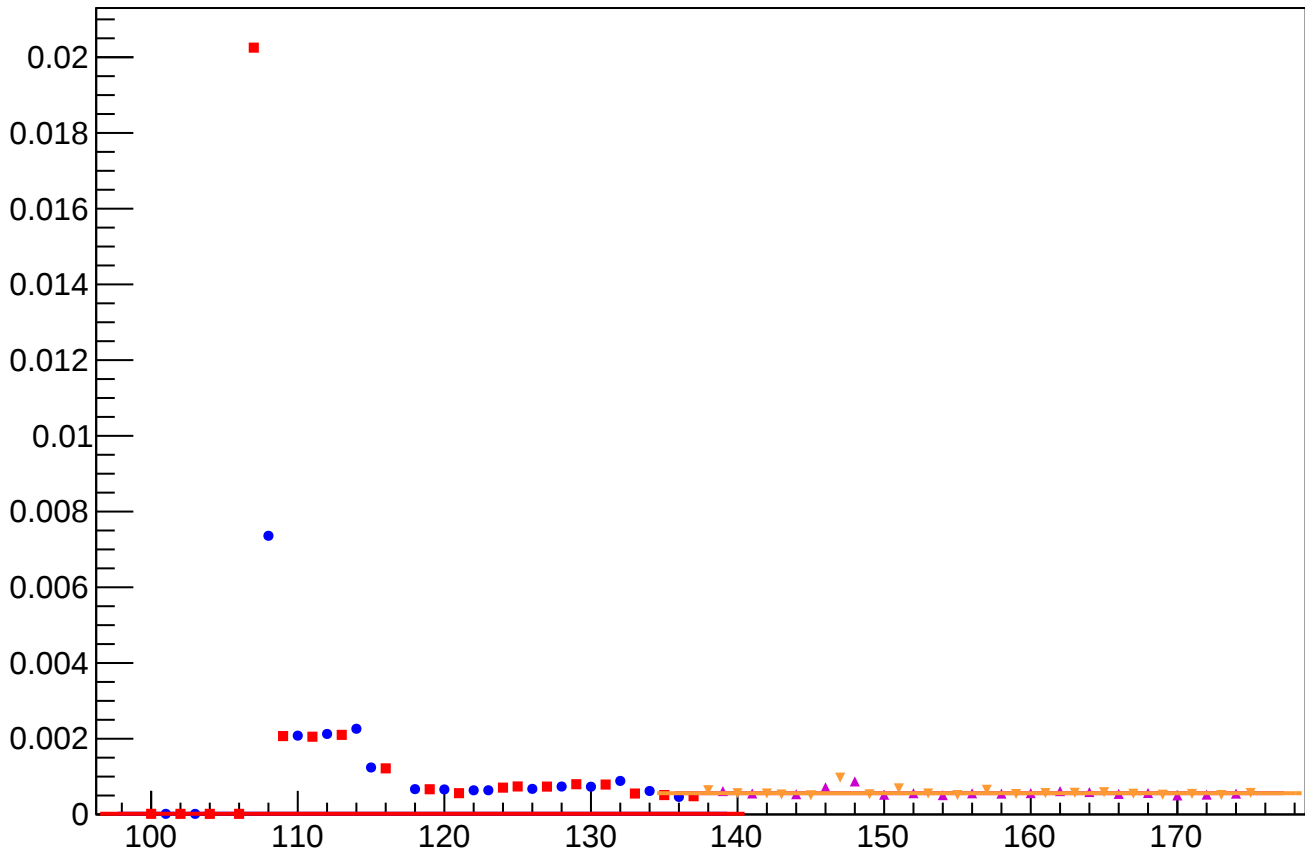
Left In: -0.077+/-0.000 χ^2/NDF : 26614676.5/17

+ sign 0.649+/-0.000 χ^2/NDF : 29903565440376.6/3

All: 0.539+/-0.000 χ^2/NDF : 50759128261973

- sign 0.439+/-0.000 χ^2/NDF : 416722481781534.6/3

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 : 439593.7/19

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

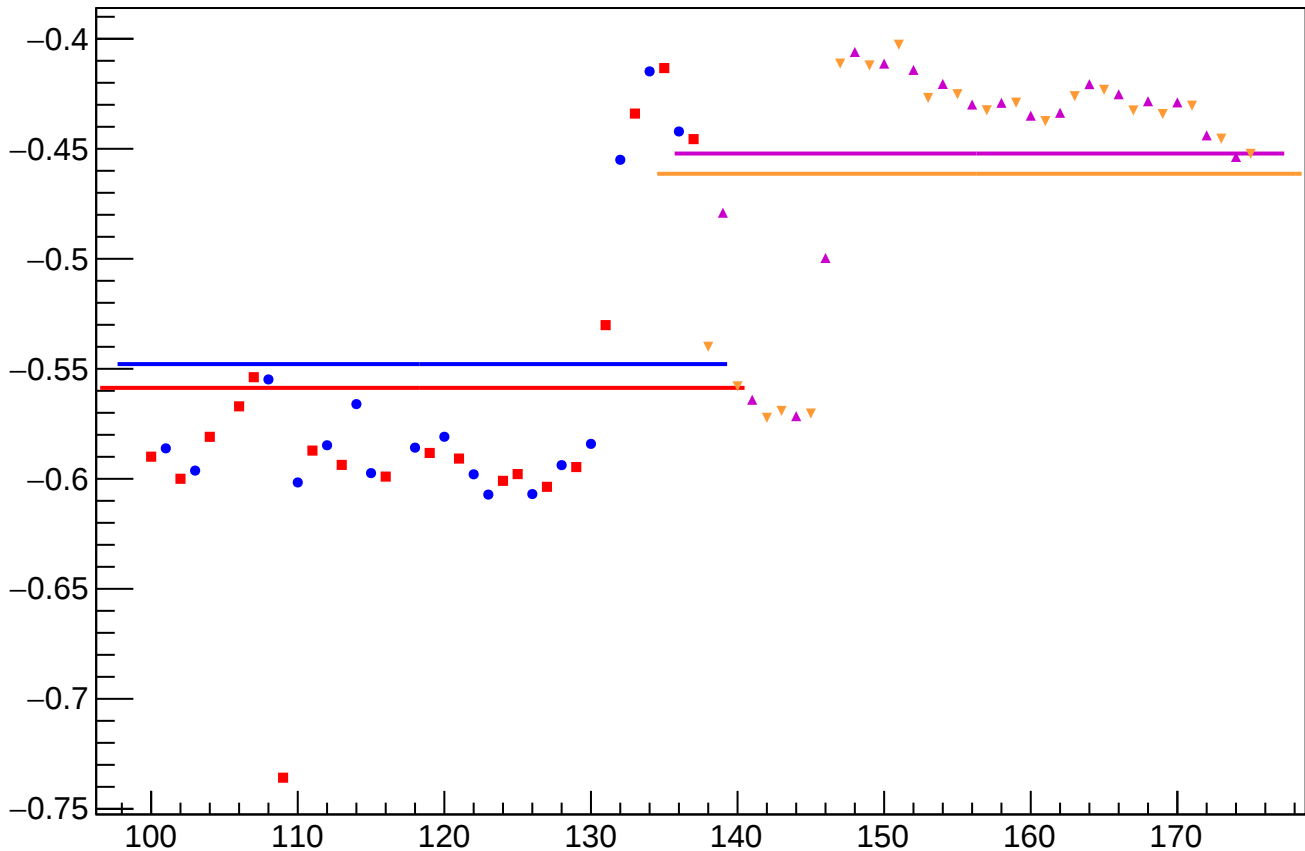
Left In: 0.001+/-0.000 χ^2/NDF : 352320.0/17

+ sign 0.000+/-0.000 χ^2/NDF : 36661535.8/36

All: 0.000+/-0.000 χ^2/NDF : 70992627.6/73

- sign 0.000+/-0.000 χ^2/NDF : 34325130.2/36

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.461+/-0.000 χ^2/NDF : 106468892.8/19

Right Out: -0.559+/-0.000 χ^2/NDF : 65682293.5/18

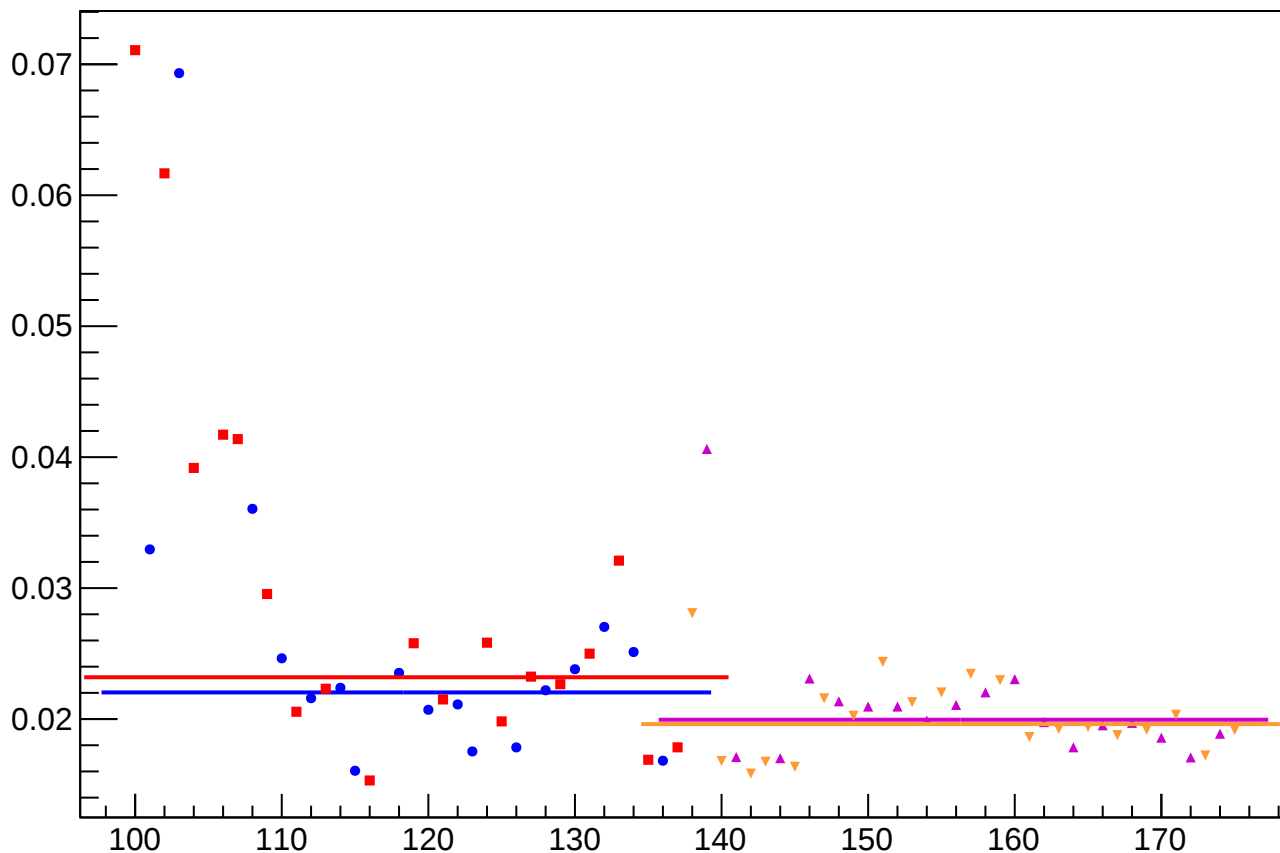
Left In: -0.452+/-0.000 χ^2/NDF : 75223757.0/17

+ sign -0.483+/-0.000 χ^2/NDF : 213910408.0/36

All: -0.482+/-0.000 χ^2/NDF : 438097928.9/73

- sign -0.480+/-0.000 χ^2/NDF : 223986802.6/36

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:425715.5/19

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156989.7/18

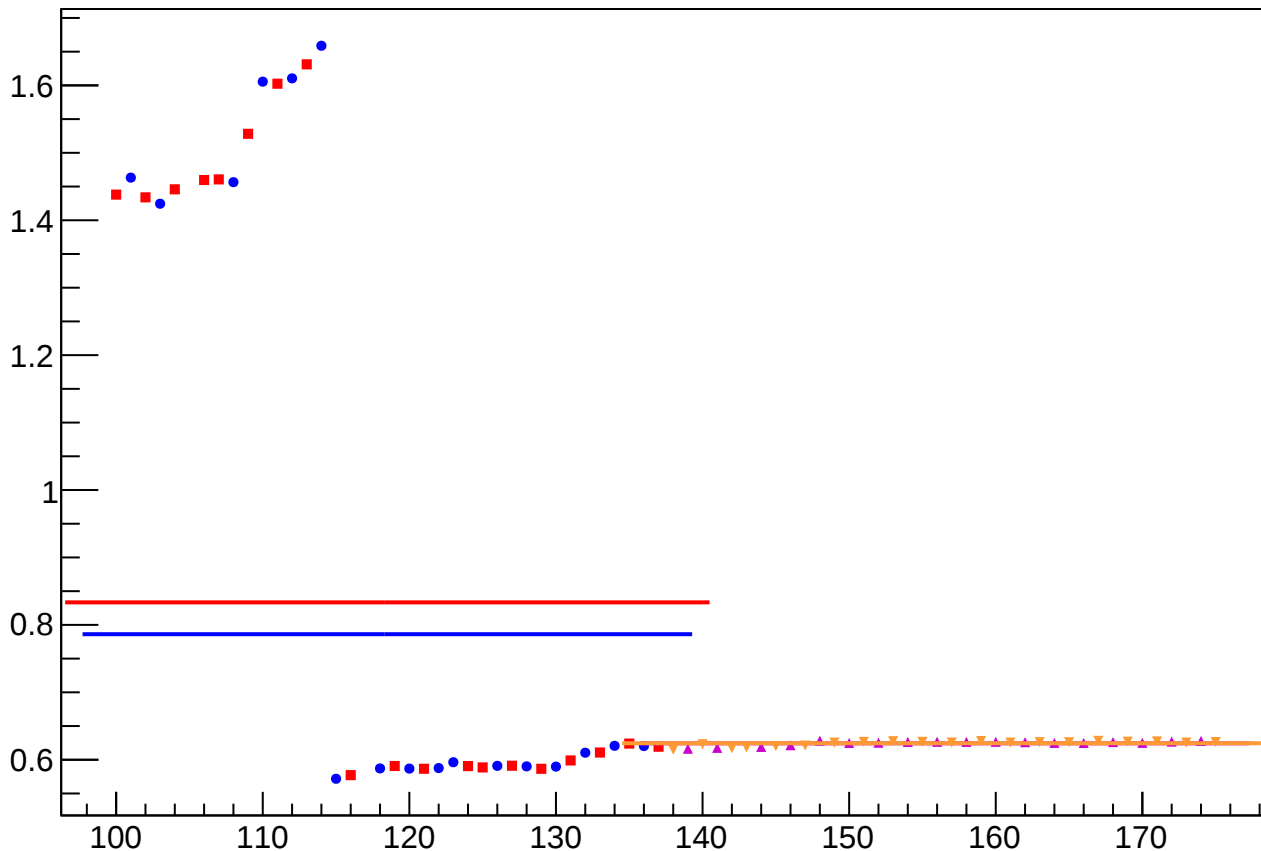
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:551857.2/17

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1476576.3/36

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3352536.9/73

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1863006.1/36

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 :1262074.9/19

Right Out: 0.833 $\pm$ 0.000 χ^2/NDF : 4156812252.4/18

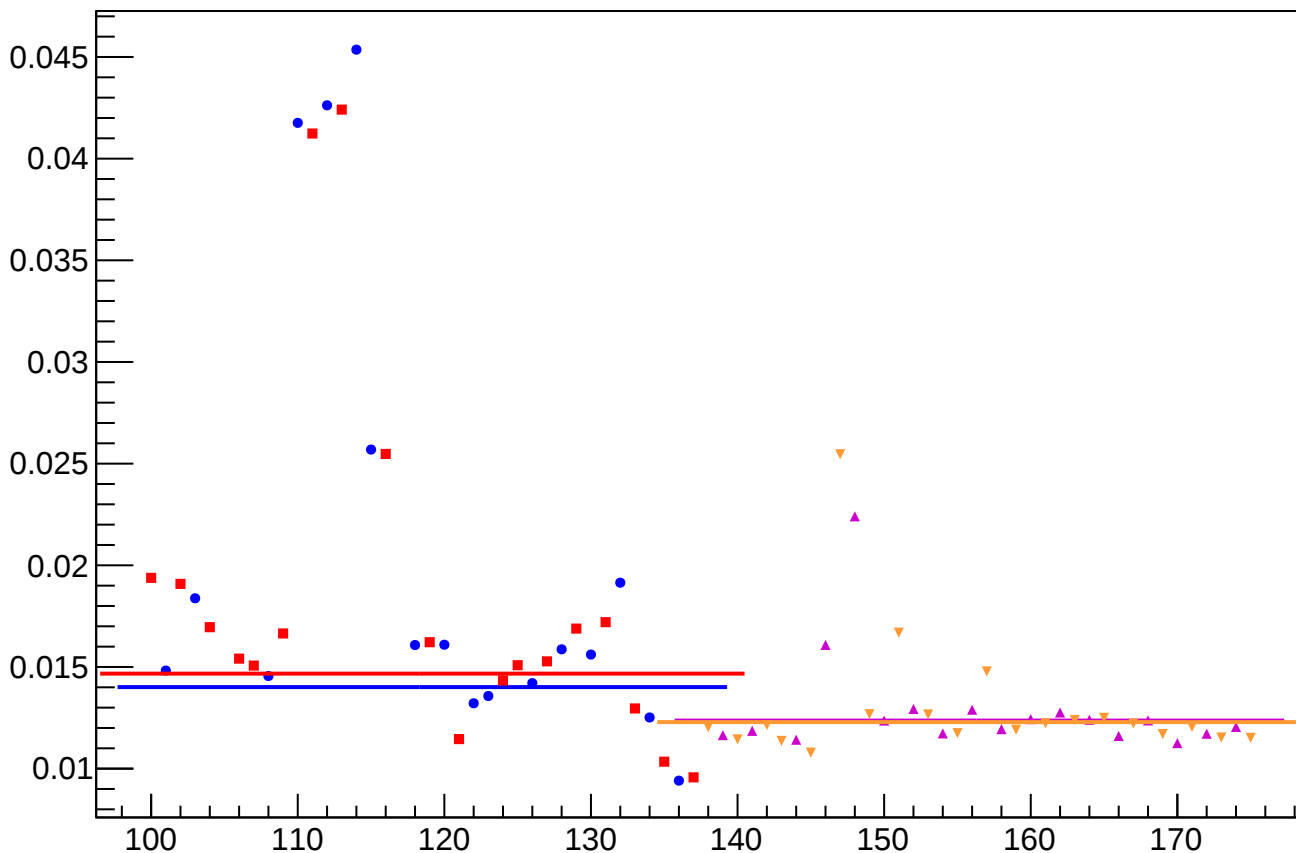
Left In: 0.624 $\pm$ 0.000 χ^2/NDF :1034848.3/17

+ sign 0.662 $\pm$ 0.000 χ^2/NDF : 4170748561.5/36

All: 0.668 $\pm$ 0.000 χ^2/NDF : 9262873609.7/73

- sign 0.675 $\pm$ 0.000 χ^2/NDF : 5082437042.9/36

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: 612485.5/19

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1263462.0/18

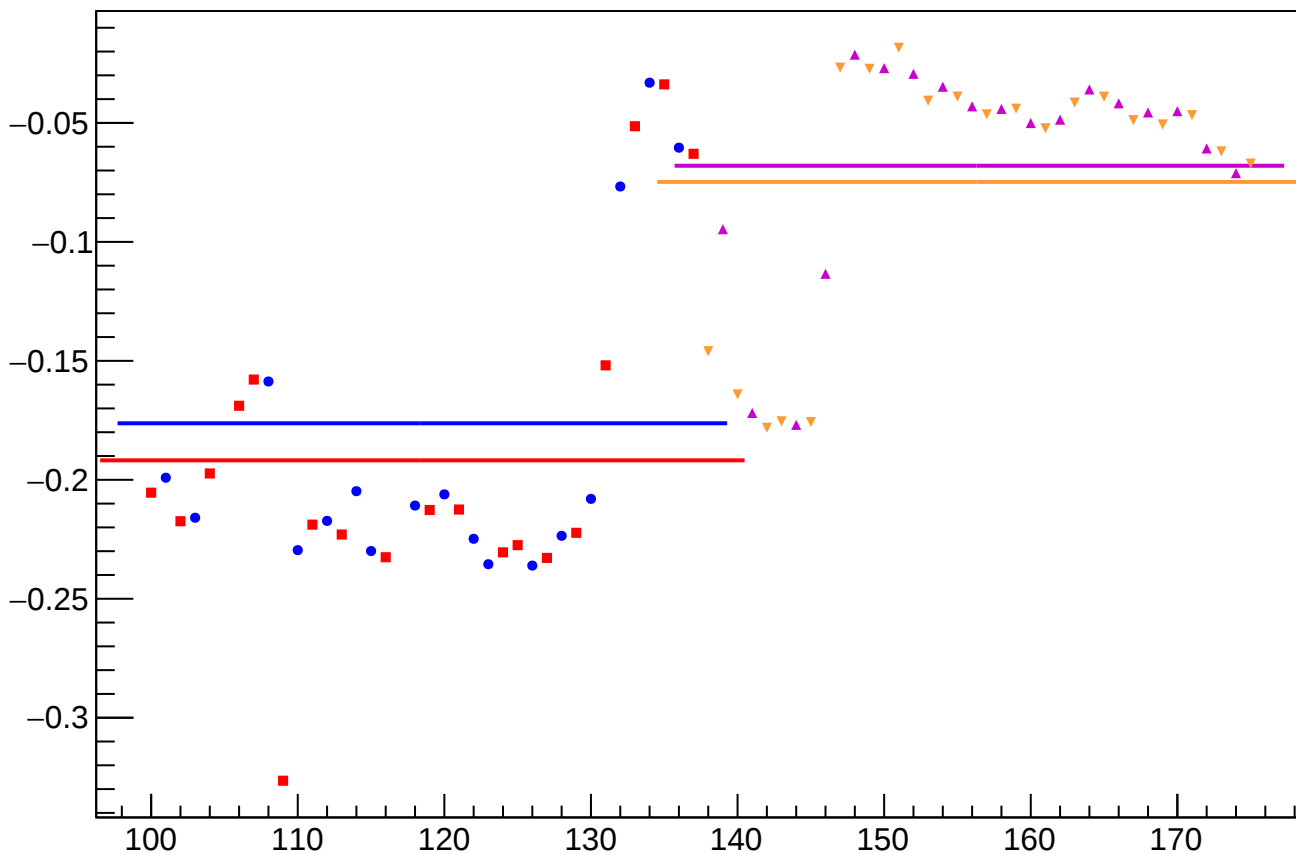
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 441492.4/17

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2148876.1/36

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4085682.4/73

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1930318.4/36

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.075+/-0.000 χ^2/NDF : 101307839.4/19

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

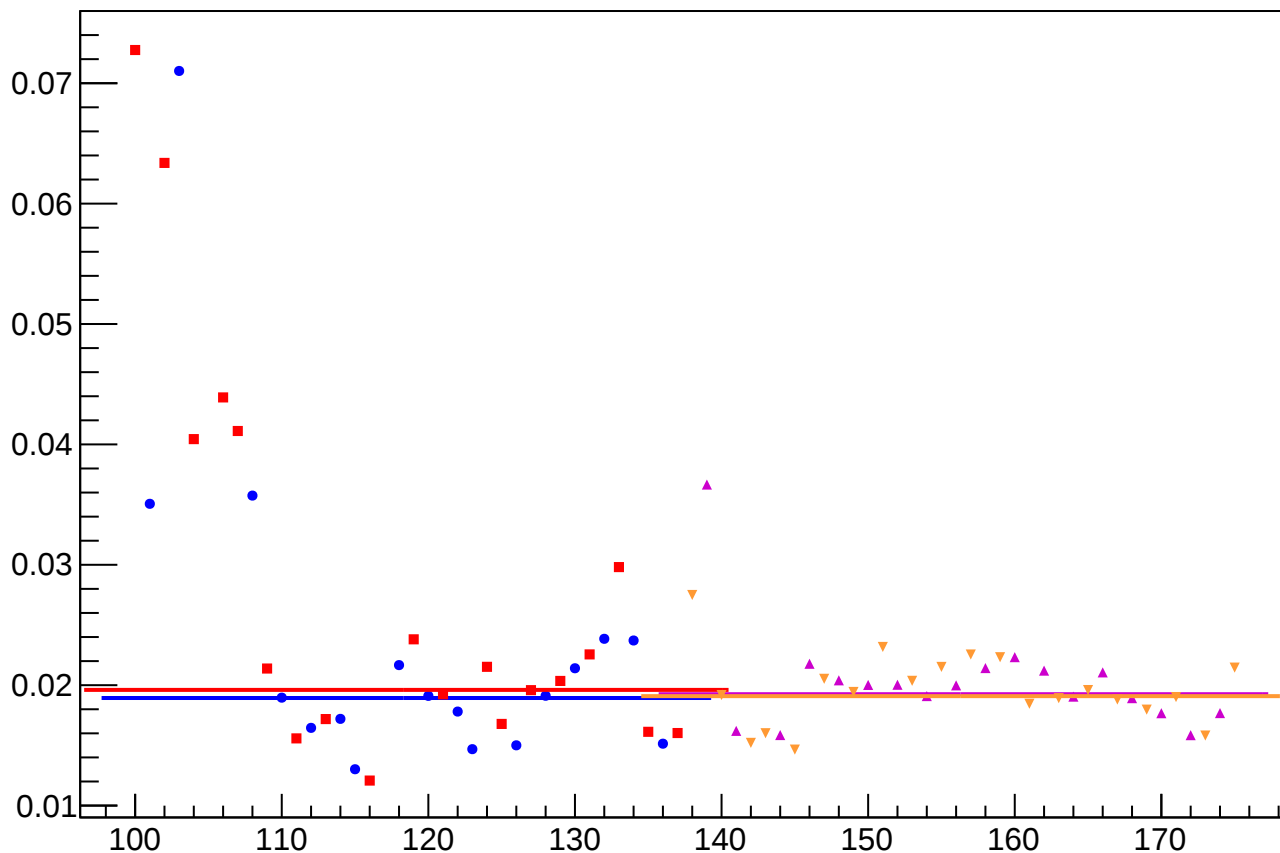
Left In: -0.068+/-0.000 χ^2/NDF : 75601153.5/17

+ sign -0.105+/-0.000 χ^2/NDF : 272816626.0/36

All: -0.105+/-0.000 χ^2/NDF : 575660577.3/73

- sign -0.106+/-0.000 χ^2/NDF : 302801515.3/36

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 : 495335.7/19

Right Out: 0.020+/-0.000 χ^2/NDF : 1457660.9/18

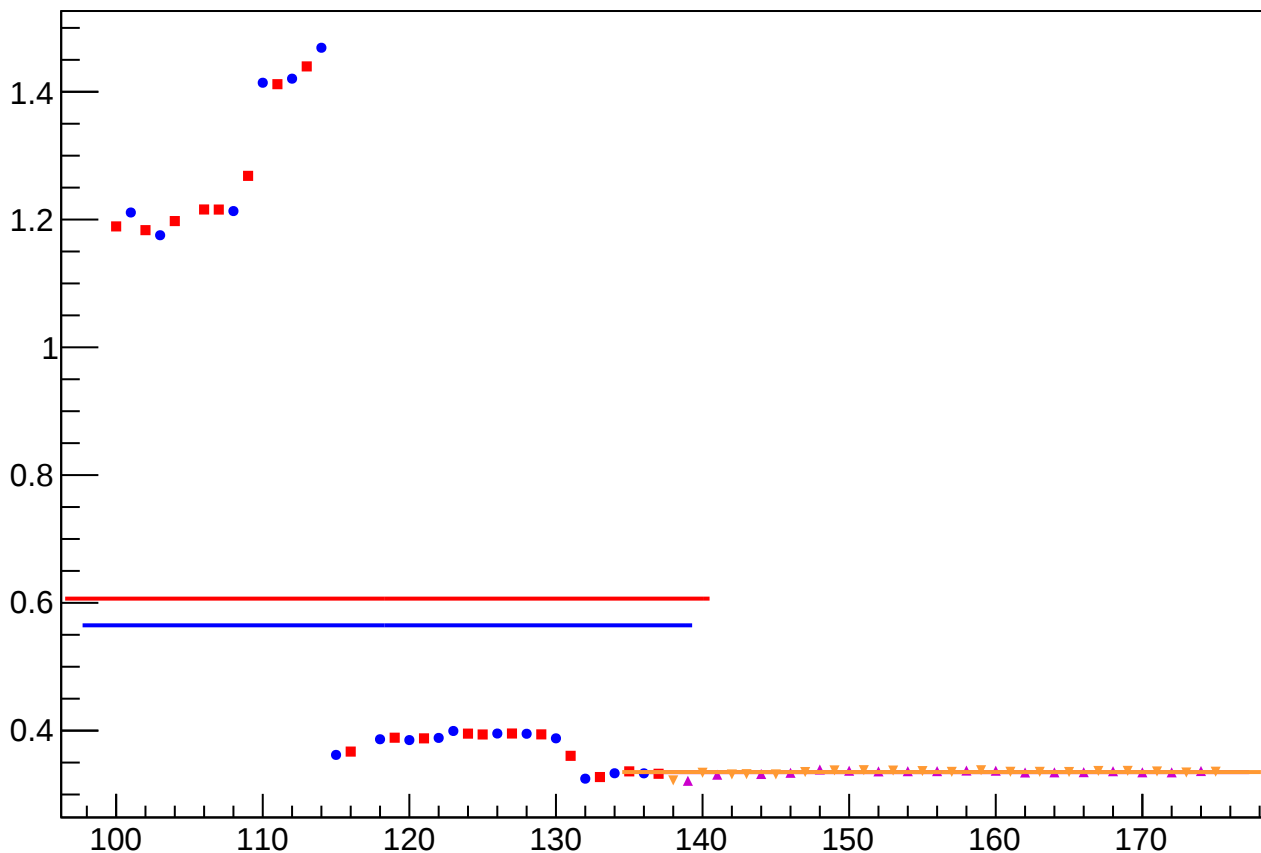
Left In: 0.019+/-0.000 χ^2/NDF : 560913.6/17

+ sign 0.019+/-0.000 χ^2/NDF : 1701661.9/36

All: 0.019+/-0.000 χ^2/NDF : 3727224.6/73

- sign 0.019+/-0.000 χ^2/NDF : 2020972.3/36

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:1135961.9/19

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5513752213.8/18

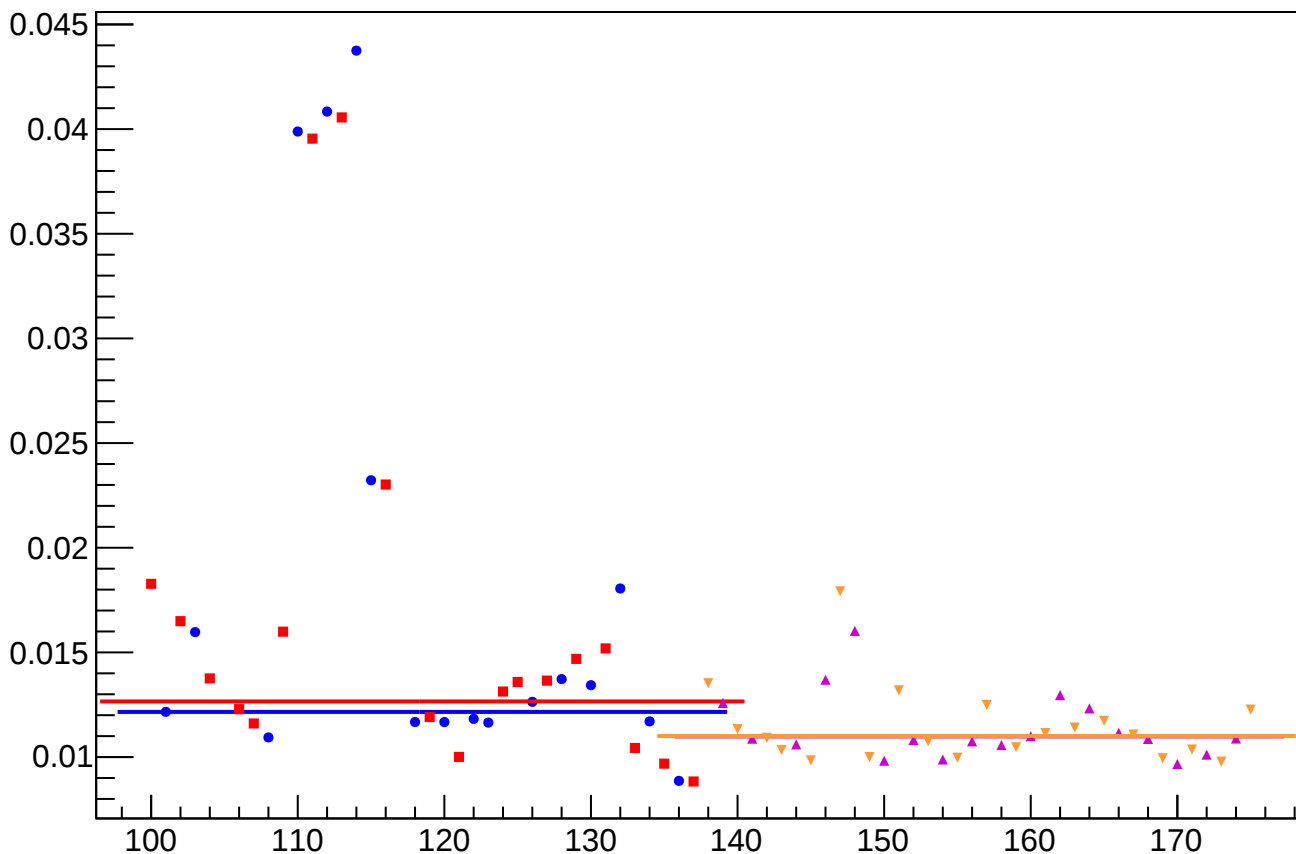
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1191610.0/17

+ sign 0.392 $\pm$ 0.000 χ^2 /NDF: 6557526295.2/36

All: 0.397 $\pm$ 0.000 χ^2 /NDF: 14114603800.5/7

- sign 0.403 $\pm$ 0.000 χ^2 /NDF: 7546904493.4/36

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: 467712.0/19

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

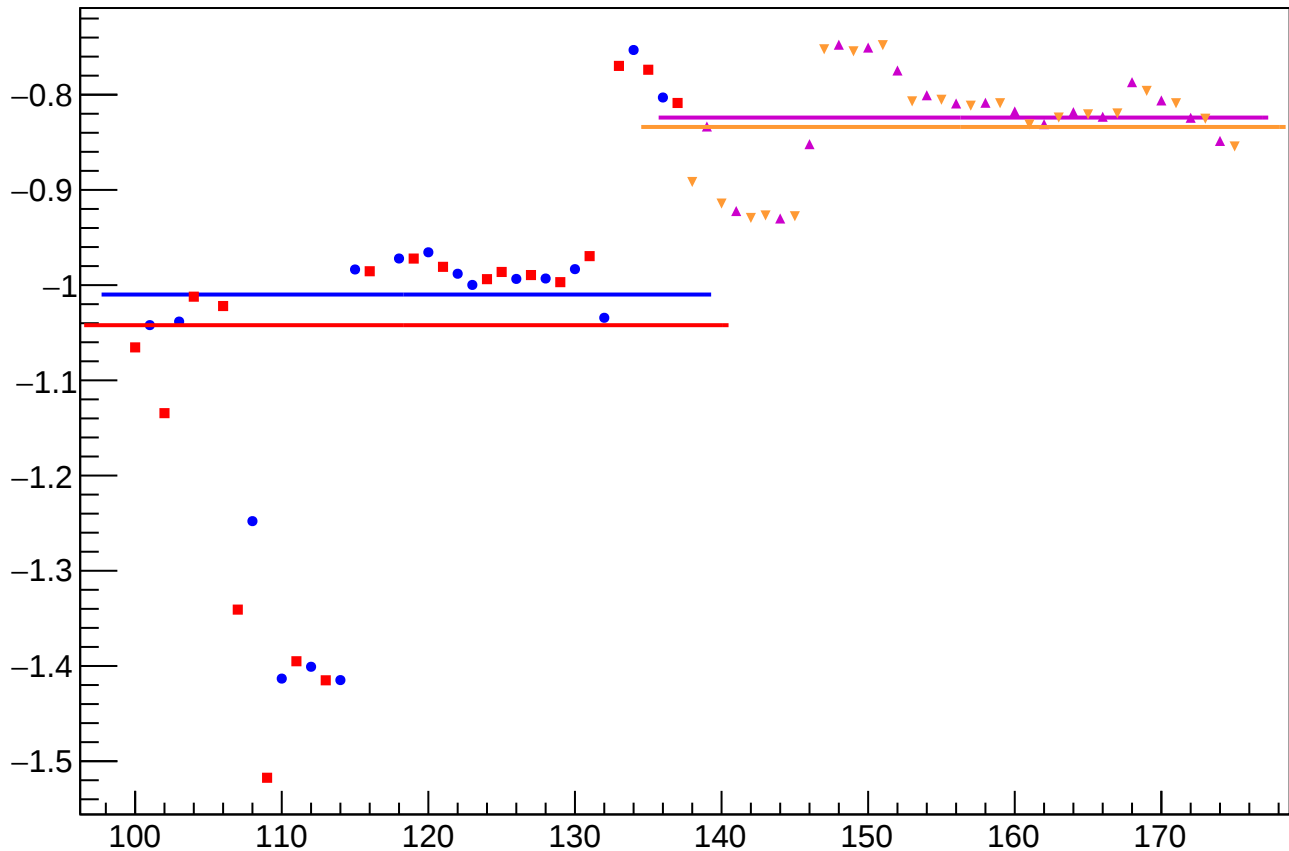
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 368173.9/17

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1854031.9/36

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3649132.1/73

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1793121.5/36

yield_bpm4acX_mean vs Slug



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.834+/-0.000 χ^2/NDF : 98575625.5/19

Right Out: -1.042+/-0.000 χ^2/NDF : 530106141.8/18

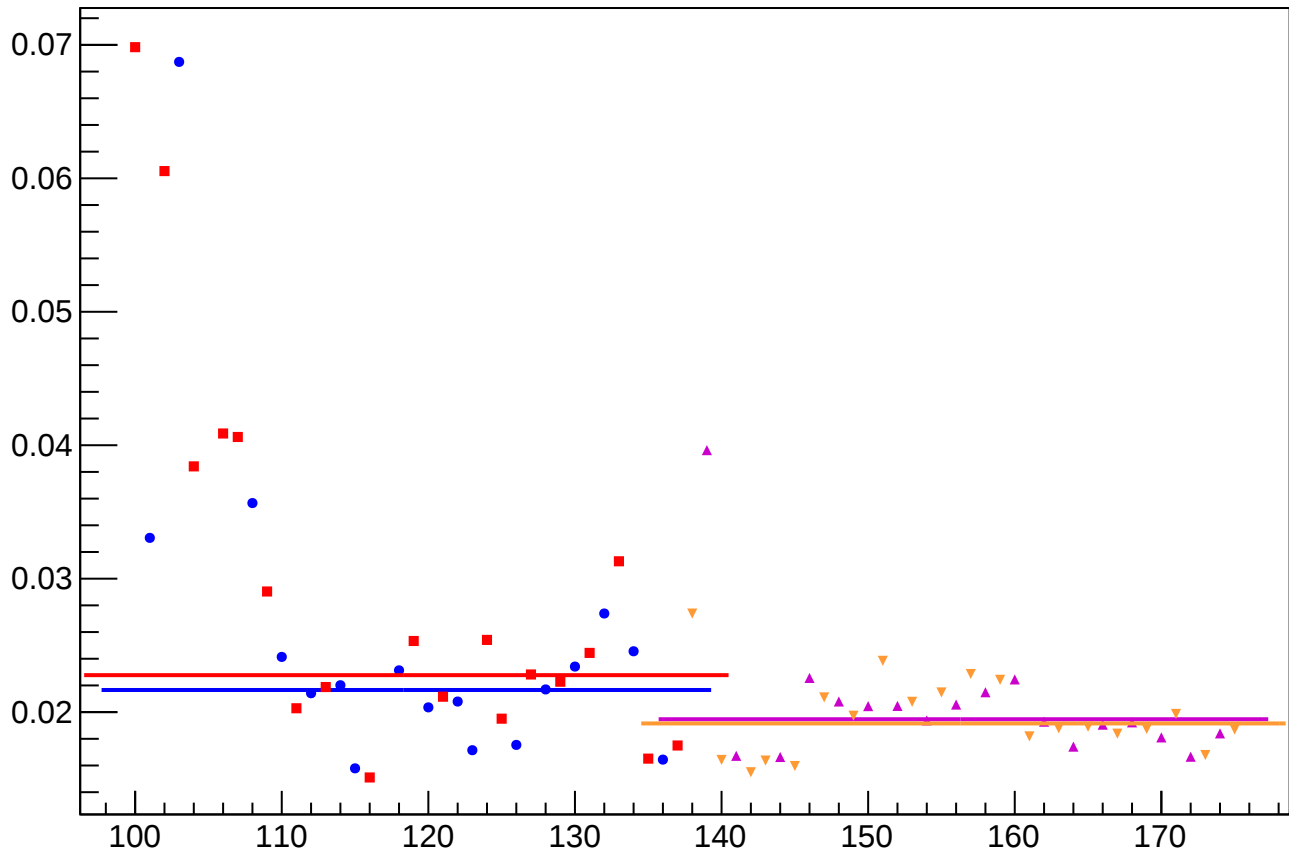
Left In: -0.824+/-0.000 χ^2/NDF : 74785419.4/17

+ sign -0.878+/-0.000 χ^2/NDF : 738865181.4/36

All: -0.879+/-0.000 χ^2/NDF : 1705745406.1/7

- sign -0.880+/-0.000 χ^2/NDF : 966735770.1/36

yield_bpm4acX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 983499.8/16

Left Out: 0.019+/-0.000 χ^2/NDF : 424160.6/19

Right Out: 0.023+/-0.000 χ^2/NDF : 1152617.8/18

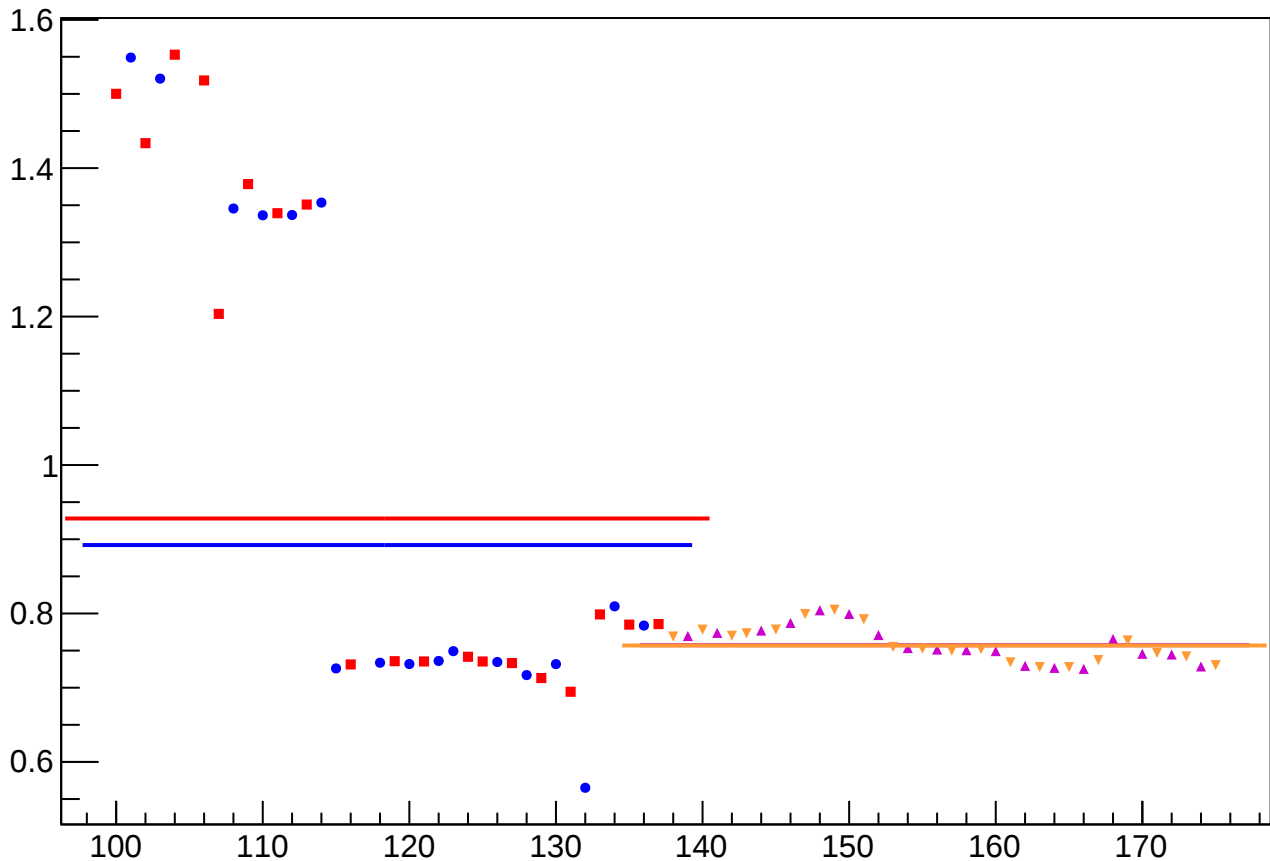
Left In: 0.019+/-0.000 χ^2/NDF : 549468.5/17

+ sign 0.020+/-0.000 χ^2/NDF : 1510171.0/36

All: 0.020+/-0.000 χ^2/NDF : 3390692.2/73

- sign 0.020+/-0.000 χ^2/NDF : 1868195.7/36

yield_bpm4acY_mean vs Slug



Right In: 0.892 $\pm$ 0.000 χ^2 /NDF: 2413732173.6/16

Left Out: 0.757 $\pm$ 0.000 χ^2 /NDF:43212302.7/19

Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2437542089.2/18

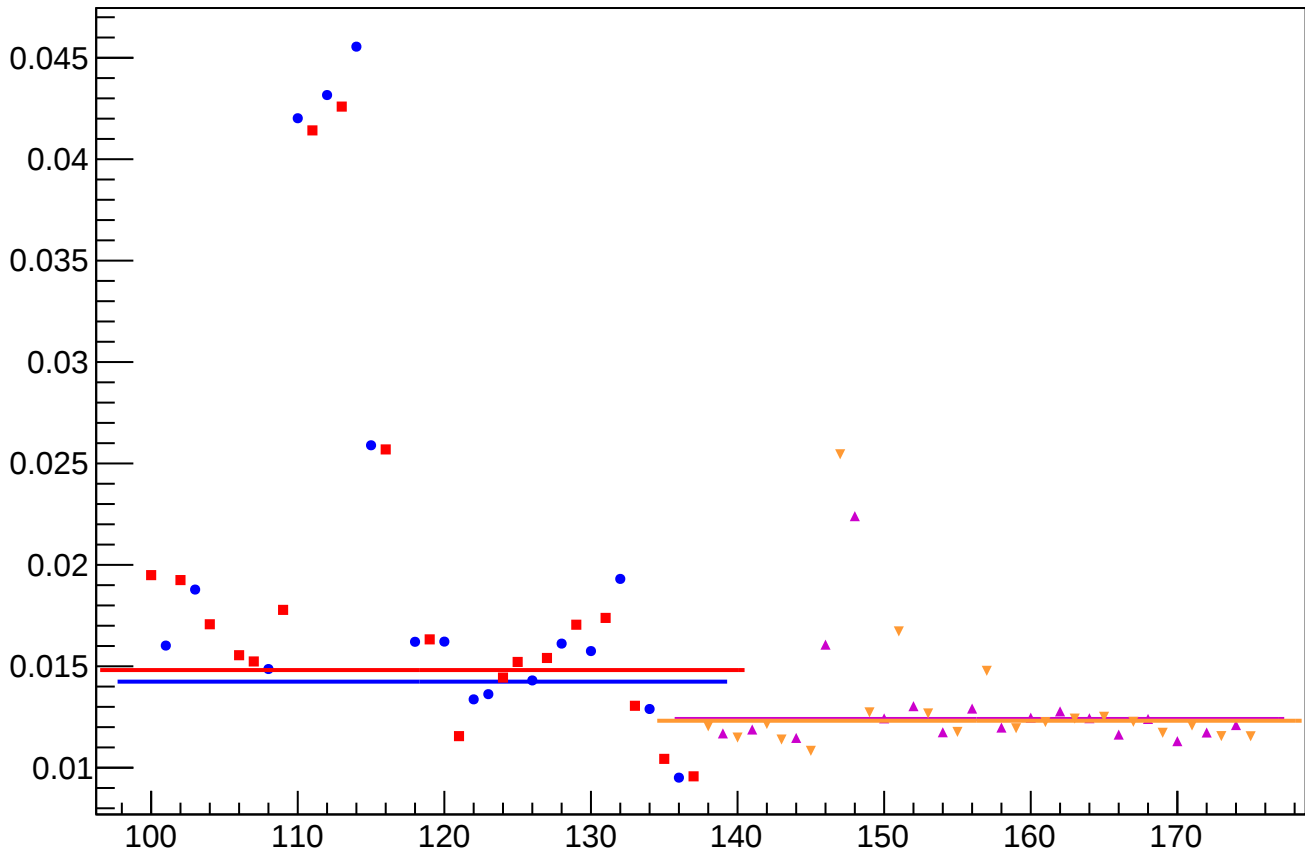
Left In: 0.757 $\pm$ 0.000 χ^2 /NDF:39369588.6/17

+ sign 0.788 $\pm$ 0.000 χ^2 /NDF: 2850475350.5/36

All: 0.793 $\pm$ 0.000 χ^2 /NDF: 5938426705.5/73

- sign 0.798 $\pm$ 0.000 χ^2 /NDF: 3081511564.1/36

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:607698.5/19

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1274172.7/18

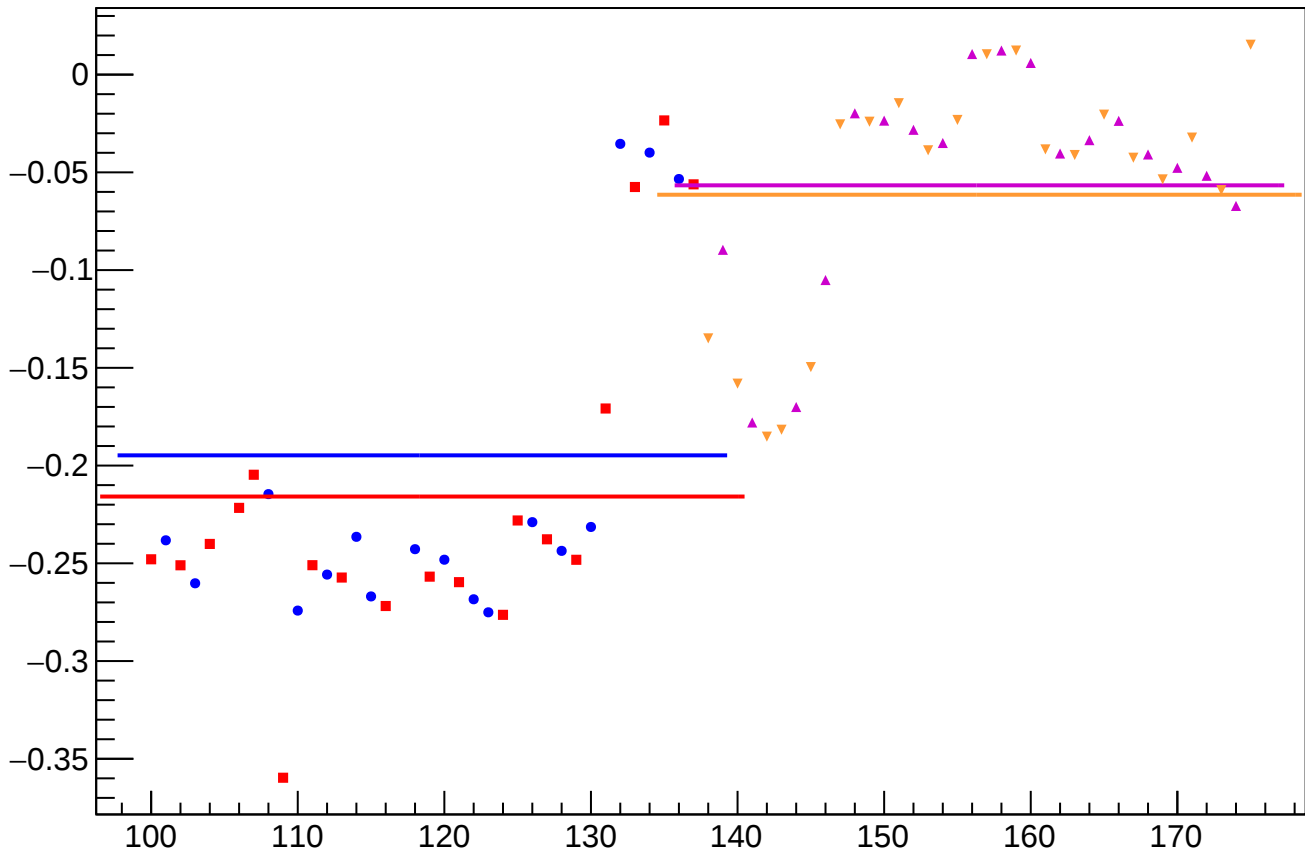
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:436945.4/17

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2183082.5/36

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4141528.1/73

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1952456.4/36

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.061+/-0.000 χ^2/NDF : 126349027.8/19

Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

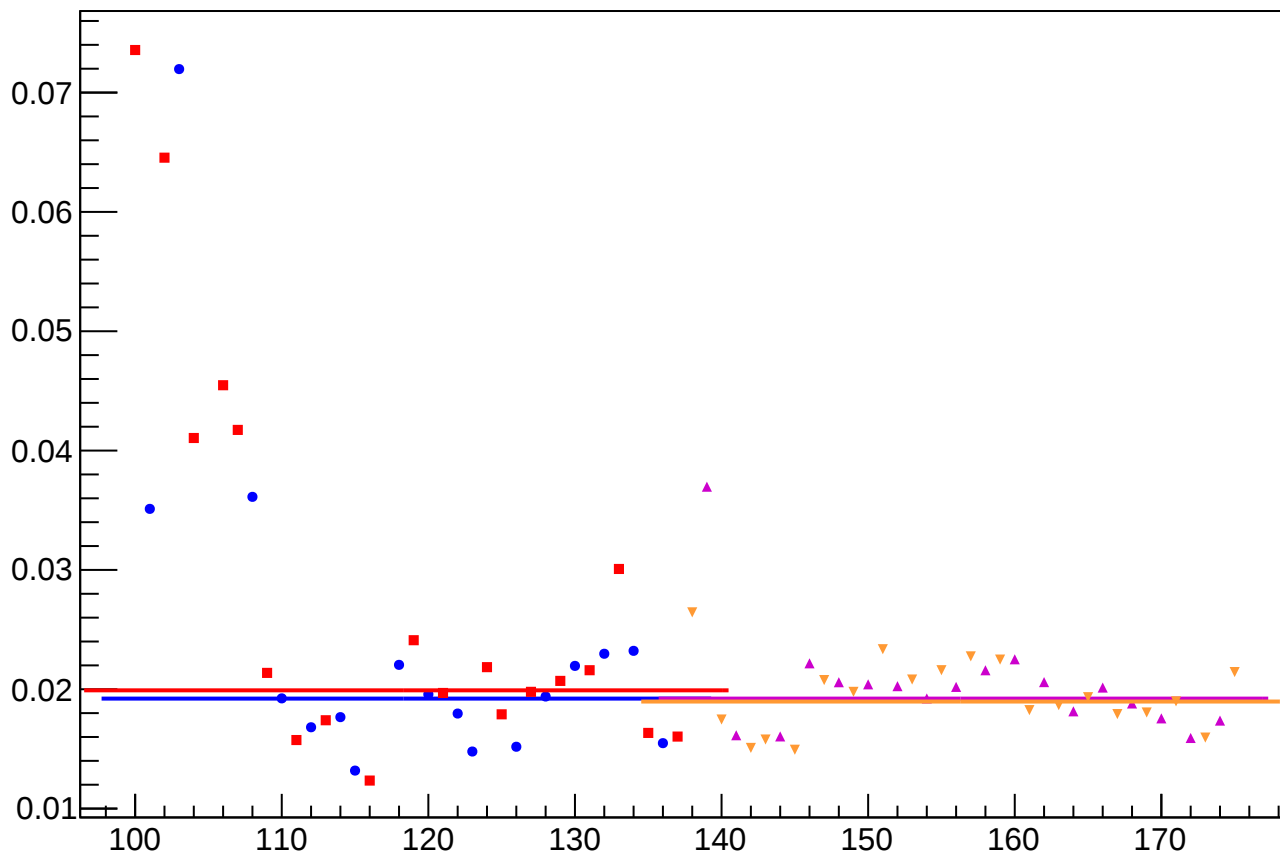
Left In: -0.057+/-0.000 χ^2/NDF : 97686818.2/17

+ sign -0.100+/-0.000 χ^2/NDF : 406762575.9/36

All: -0.102+/-0.000 χ^2/NDF : 848540448.7/73

- sign -0.105+/-0.000 χ^2/NDF : 441277865.4/36

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1177085.4/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:493275.4/19

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1446950.0/18

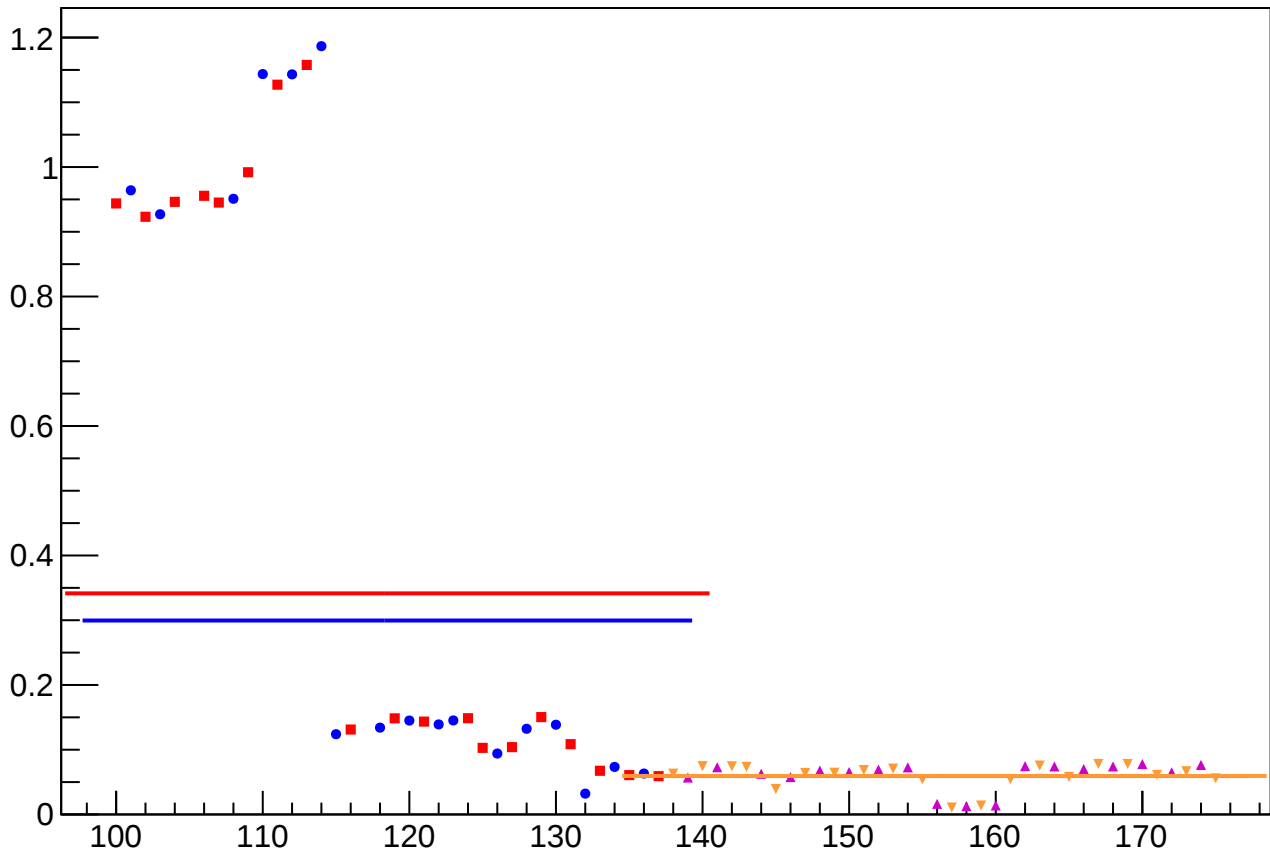
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:573463.7/17

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1671532.1/36

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3707382.7/73

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2029213.4/36

yield_bpm4ecY_mean vs Slug



Right In: 0.300 $\pm$ 0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.059 $\pm$ 0.000 χ^2/NDF : 43926122.8/19

Right Out: 0.341 $\pm$ 0.000 χ^2/NDF : 5450600455.1/18

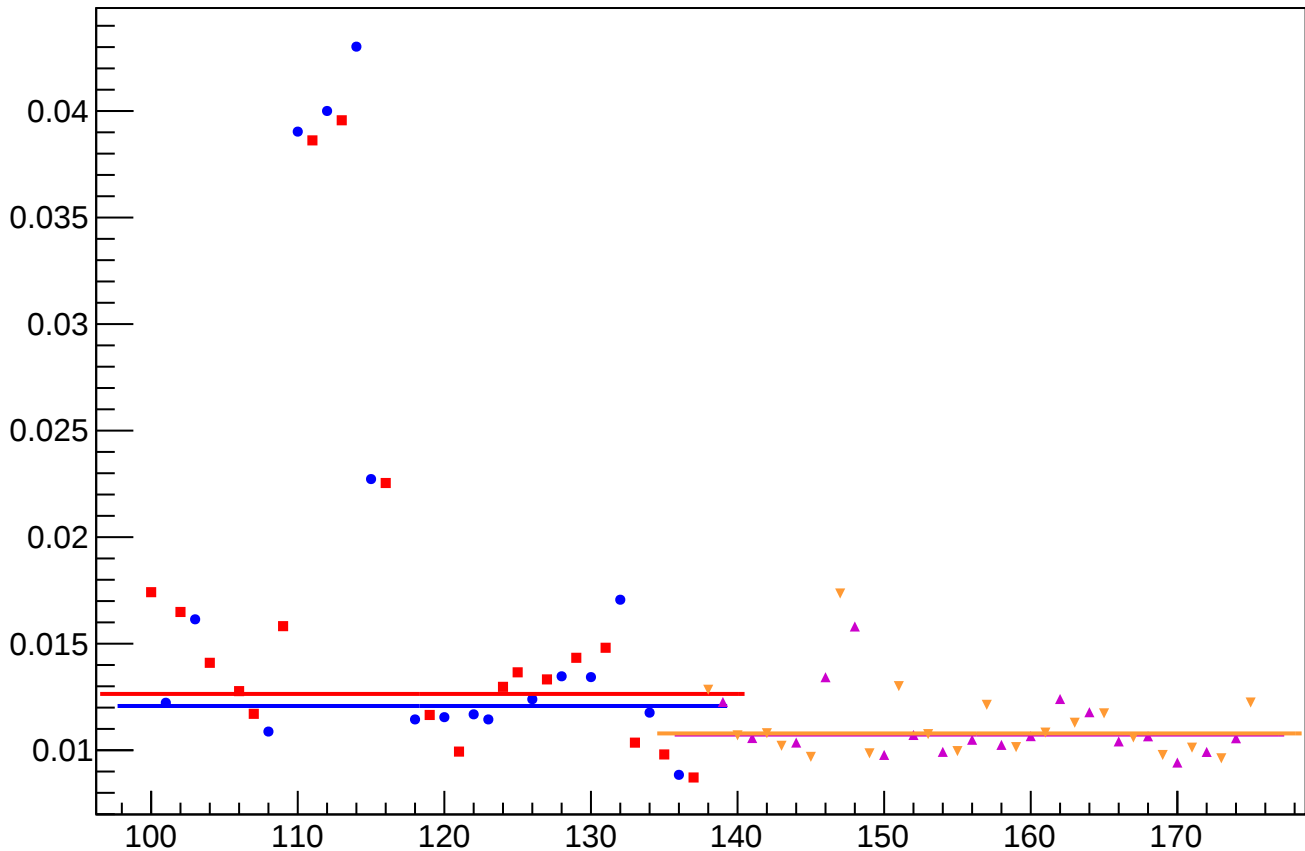
Left In: 0.059 $\pm$ 0.000 χ^2/NDF : 57187911.1/17

+ sign 0.117 $\pm$ 0.000 χ^2/NDF : 6909153943.5/36

All: 0.123 $\pm$ 0.000 χ^2/NDF : 14647307969.6/36

- sign 0.128 $\pm$ 0.000 χ^2/NDF : 7729601045.0/36

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:442146.8/19

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1237706.0/18

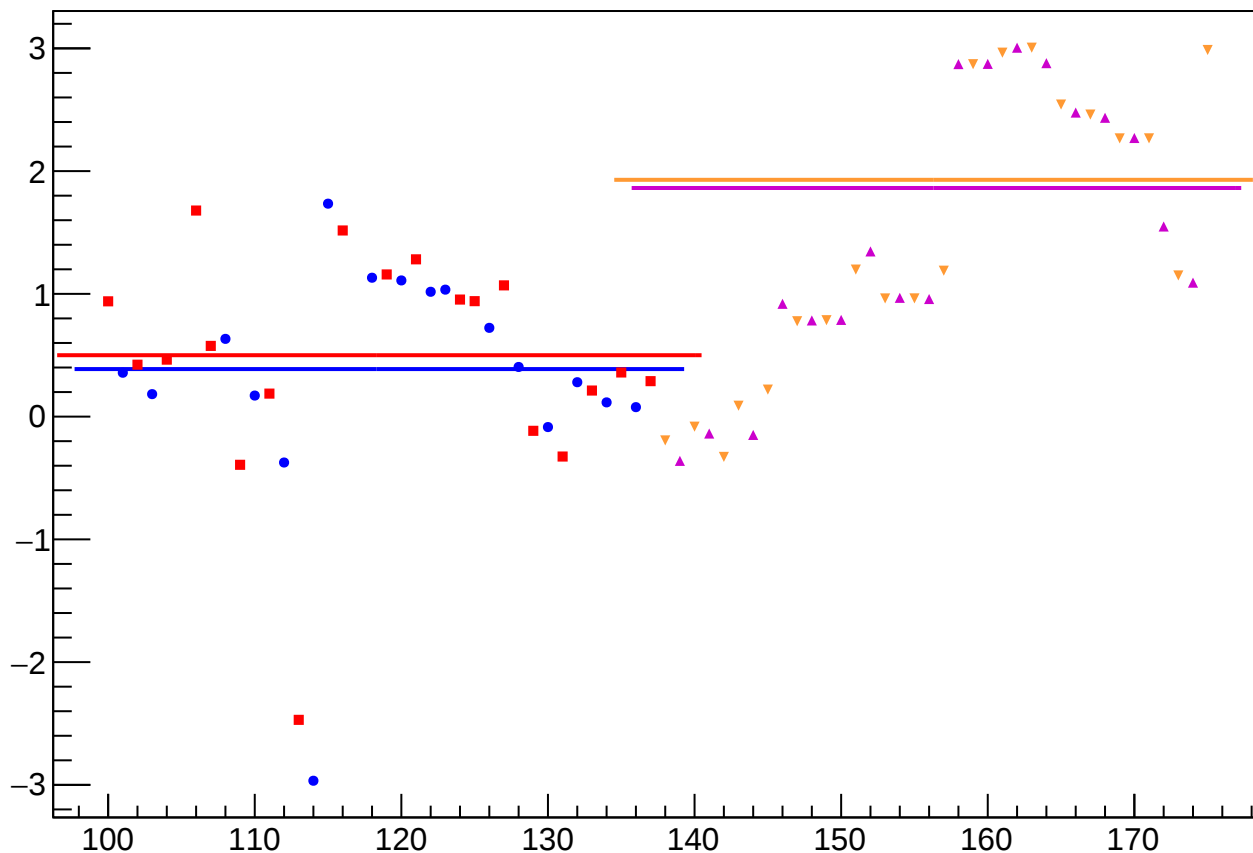
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:349554.1/17

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1822088.5/36

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3614241.9/73

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1790652.8/36

yield_bpm1X_mean vs Slug



Right In: 0.387+/-0.000 χ^2/NDF : 247912593.5/16

Left Out: 1.929+/-0.000 χ^2/NDF : 31636281444.8/19

Right Out: 0.500+/-0.000 χ^2/NDF : 983360928.1/18

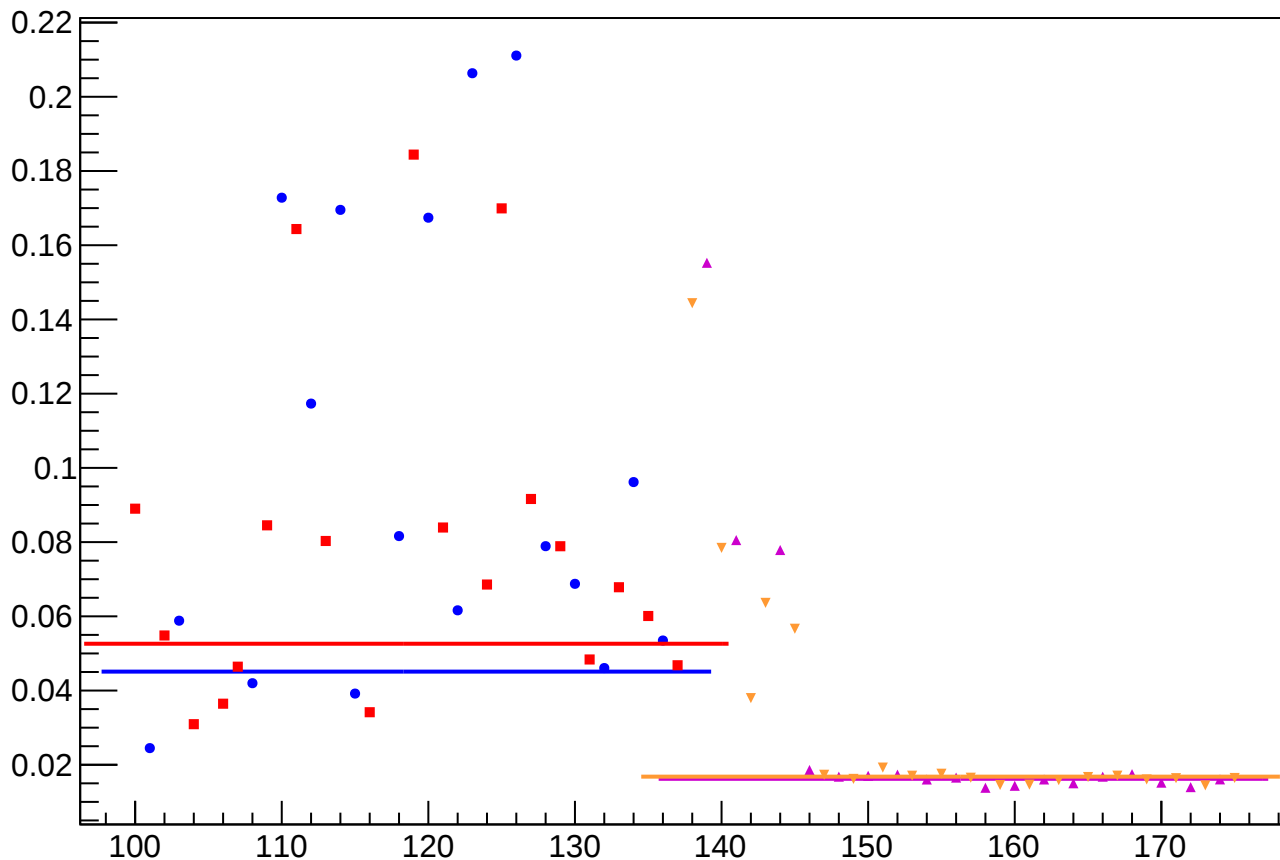
Left In: 1.862+/-0.000 χ^2/NDF : 30151643931.0/17

+ sign 1.863+/-0.000 χ^2/NDF : 35863707601.3/36

All: 1.838+/-0.000 χ^2/NDF : 69719591420.0/7

- sign 1.813+/-0.000 χ^2/NDF : 33803896748.5/36

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 : 2775850.0/19

Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

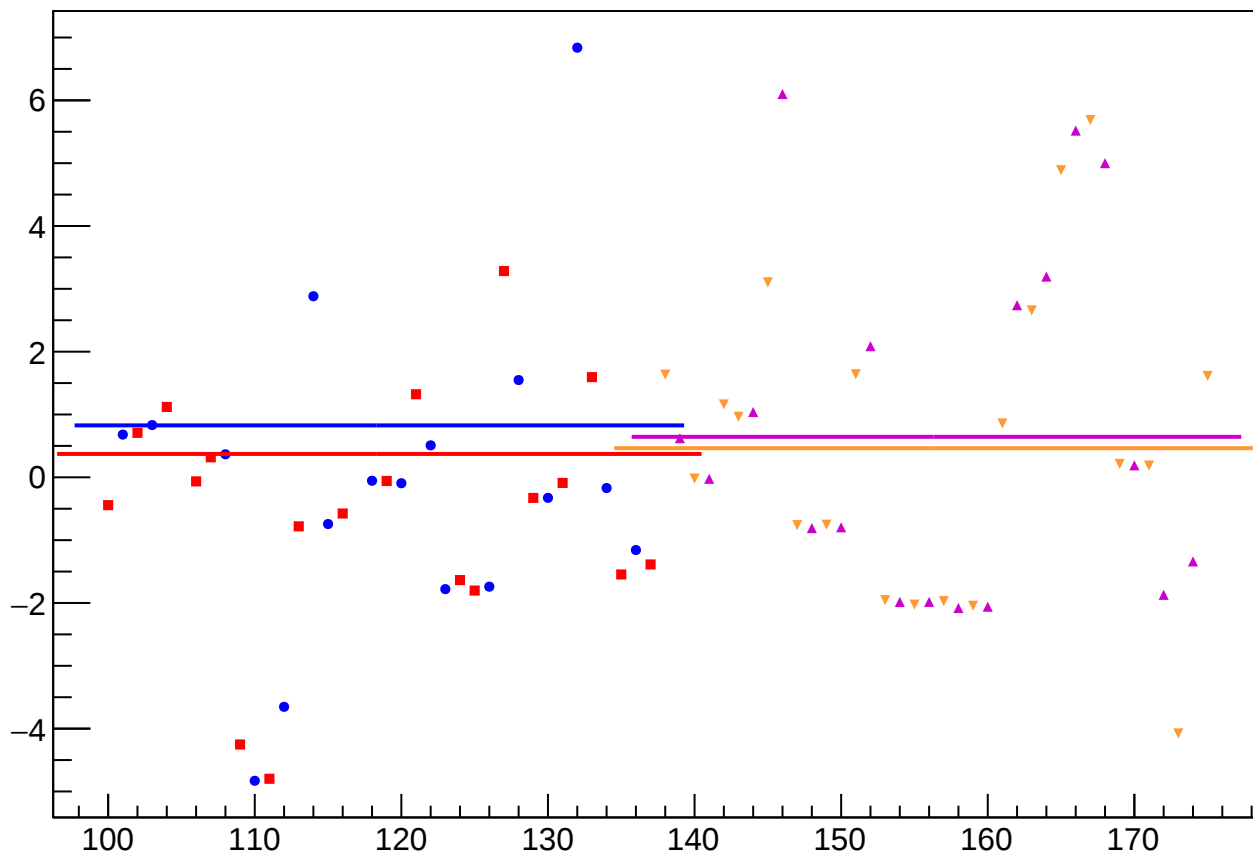
Left In: 0.016+/-0.000 χ^2/NDF : 2380671.8/17

+ sign 0.018+/-0.000 χ^2/NDF : 8303787.5/36

All: 0.018+/-0.000 χ^2/NDF : 16694756.5/73

- sign 0.018+/-0.000 χ^2/NDF : 8382001.6/36

yield_bpm1Y_mean vs Slug



Right In: 0.827+/-0.000 χ^2/NDF : 10936458870.4/16

Left Out: 0.464+/-0.000 χ^2/NDF : 474340249987.1/19

Right Out: 0.372+/-0.000 χ^2/NDF : 4972900338.2/18

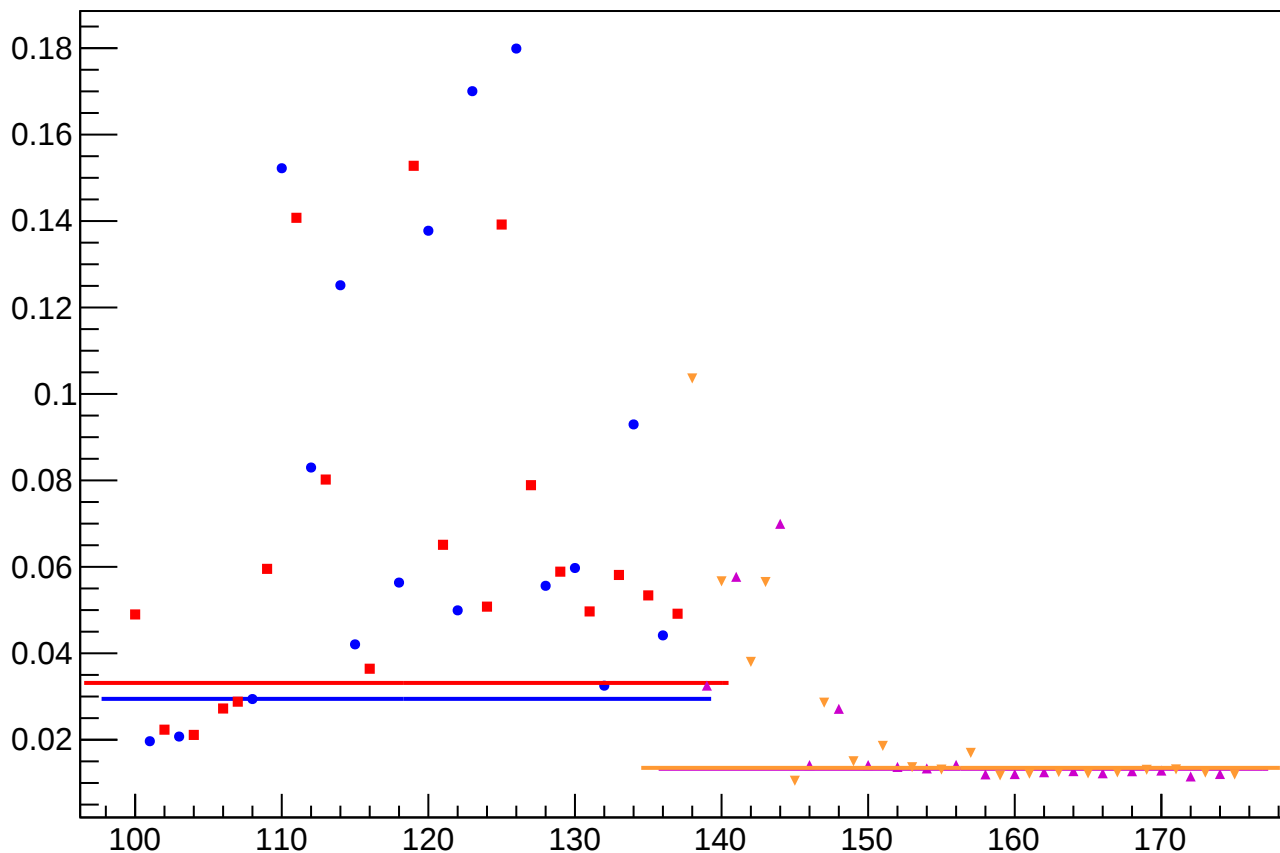
Left In: 0.644+/-0.000 χ^2/NDF : 538408227127.1/17

+ sign 0.485+/-0.000 χ^2/NDF : 485763778384.6/36

All: 0.557+/-0.000 χ^2/NDF : 1030114153142.

- sign 0.630+/-0.000 χ^2/NDF : 543626740093.8/36

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.013+/-0.000 χ^2/NDF : 2890997.5/19

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

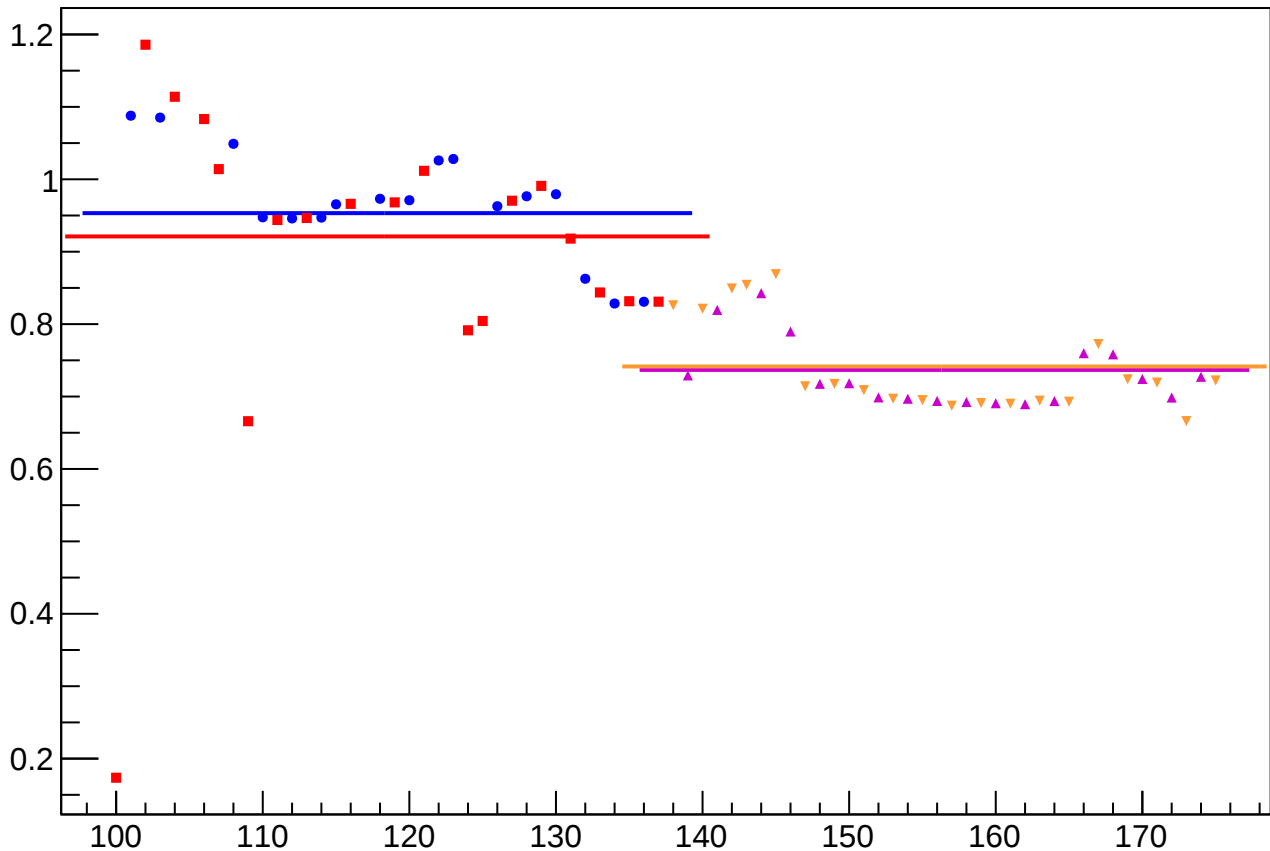
Left In: 0.013+/-0.000 χ^2/NDF : 1927350.6/17

+ sign 0.014+/-0.000 χ^2/NDF : 7835845.3/36

All: 0.014+/-0.000 χ^2/NDF : 15479132.6/73

- sign 0.014+/-0.000 χ^2/NDF : 7642604.4/36

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.742 $\pm$ 0.000 χ^2 /NDF:290596044.1/19

+ sign 0.805 $\pm$ 0.000 χ^2 /NDF: 1437186405.3/36

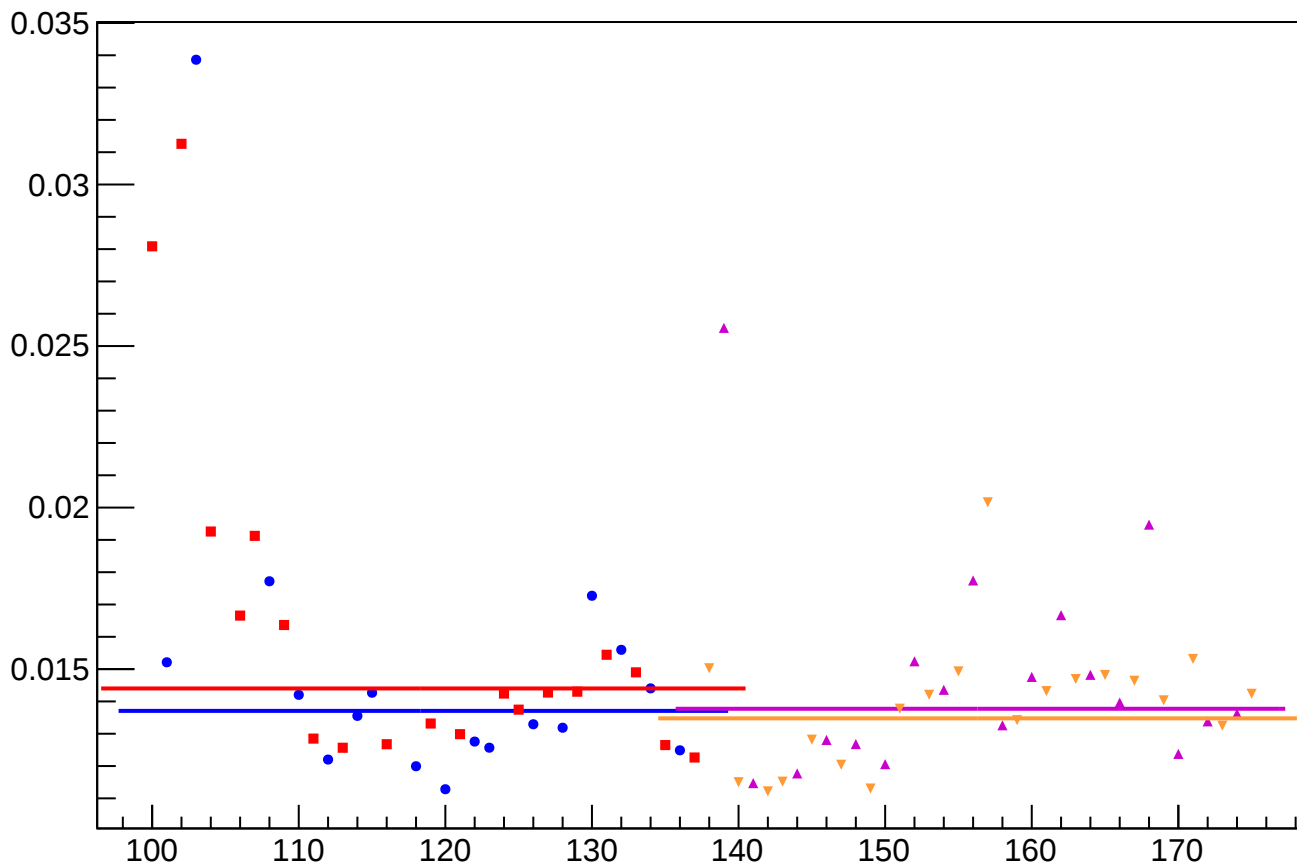
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374221279.1/18

All: 0.800 $\pm$ 0.000 χ^2 /NDF: 2668065476.5/73

- sign 0.794 $\pm$ 0.000 χ^2 /NDF: 1224998126.5/36

Left In: 0.737 $\pm$ 0.000 χ^2 /NDF:163921213.6/17

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: 397772.5/19

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

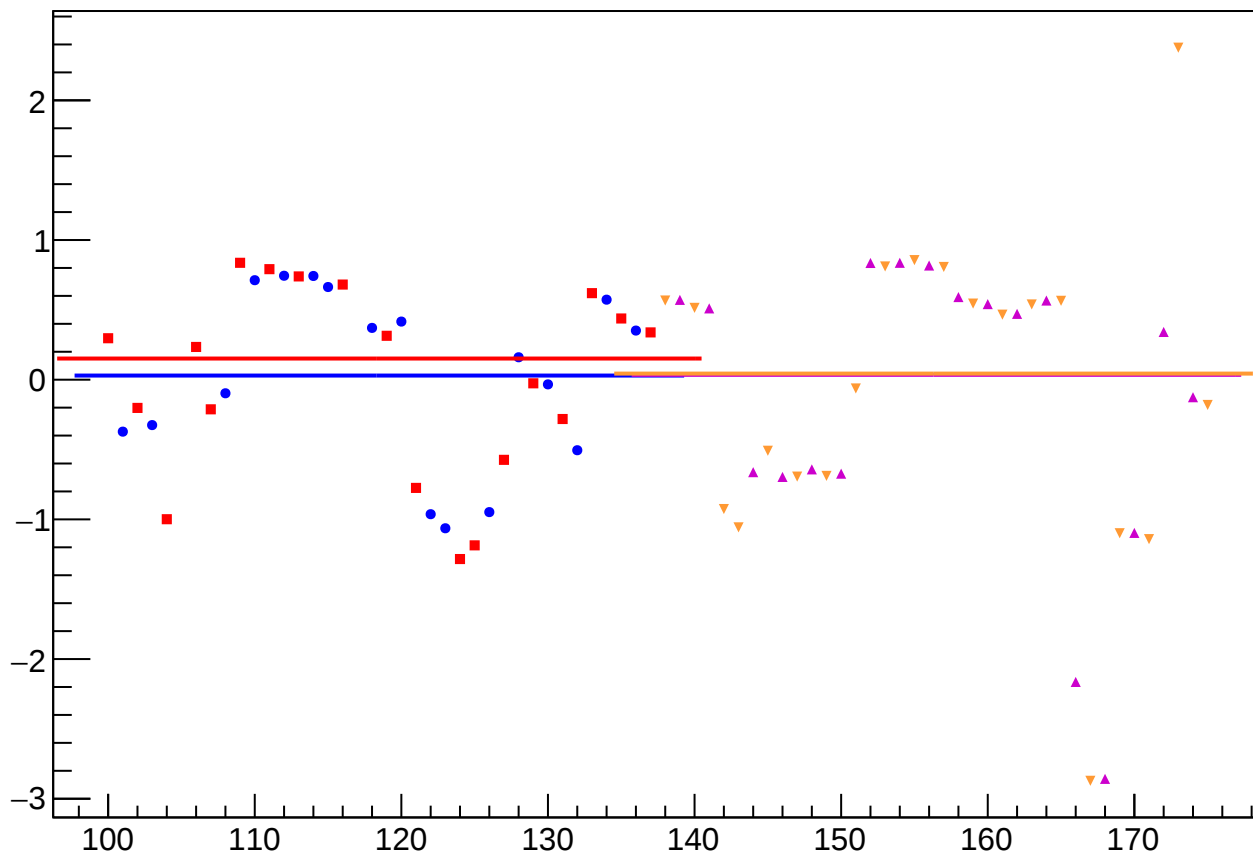
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 725792.6/17

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 946412.0/36

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2207605.6/73

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1243541.1/36

yield_bpm11Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 6294824795.0/16

Left Out: 0.044+/-0.000 χ^2/NDF : 95134438318.2/19

Right Out: 0.152+/-0.000 χ^2/NDF : 12661812059.7/18

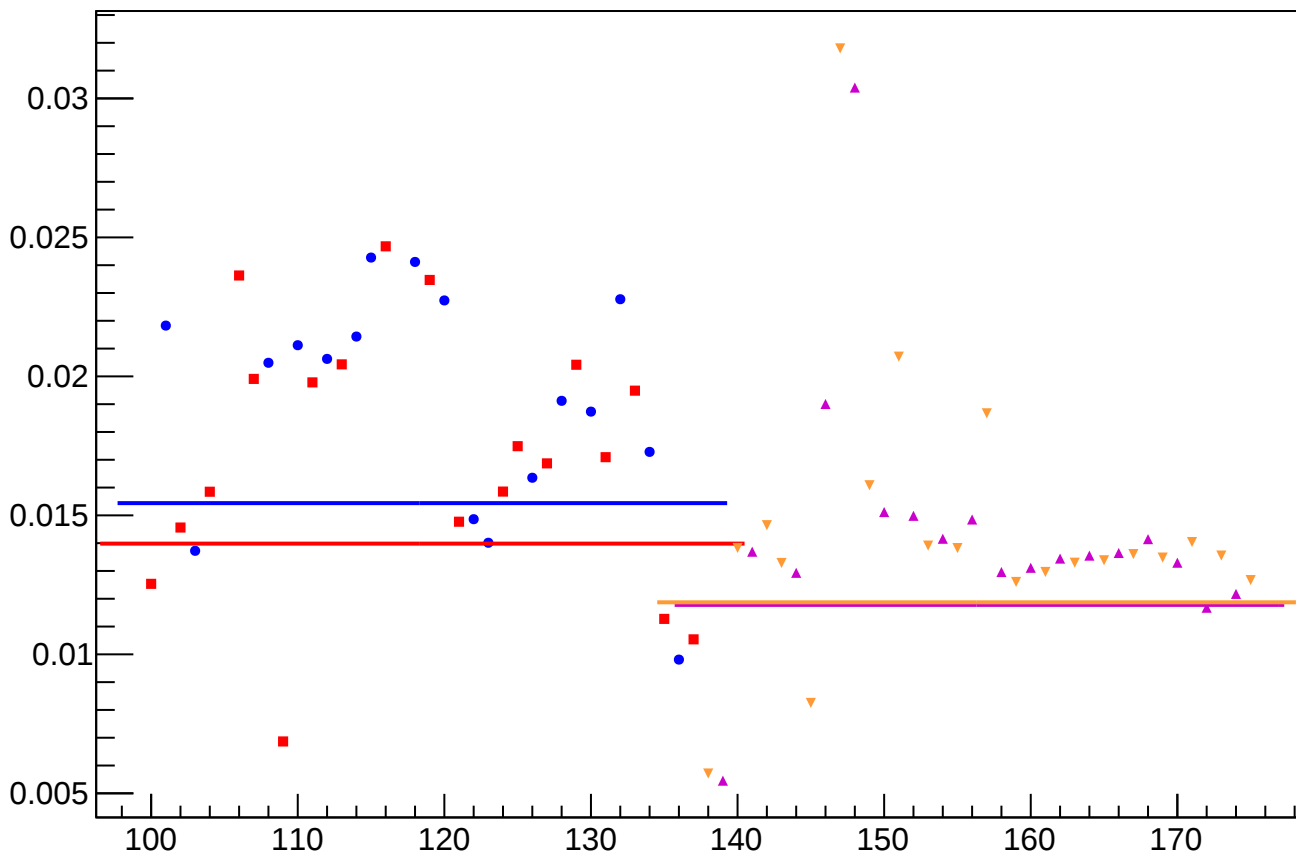
Left In: 0.035+/-0.000 χ^2/NDF : 78267841783.8/17

+ sign 0.041+/-0.000 χ^2/NDF : 101432957792.8/36

All: 0.052+/-0.000 χ^2/NDF : 192686257256.1

- sign 0.064+/-0.000 χ^2/NDF : 91222423907.5/36

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 : 3045231.1/19

Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

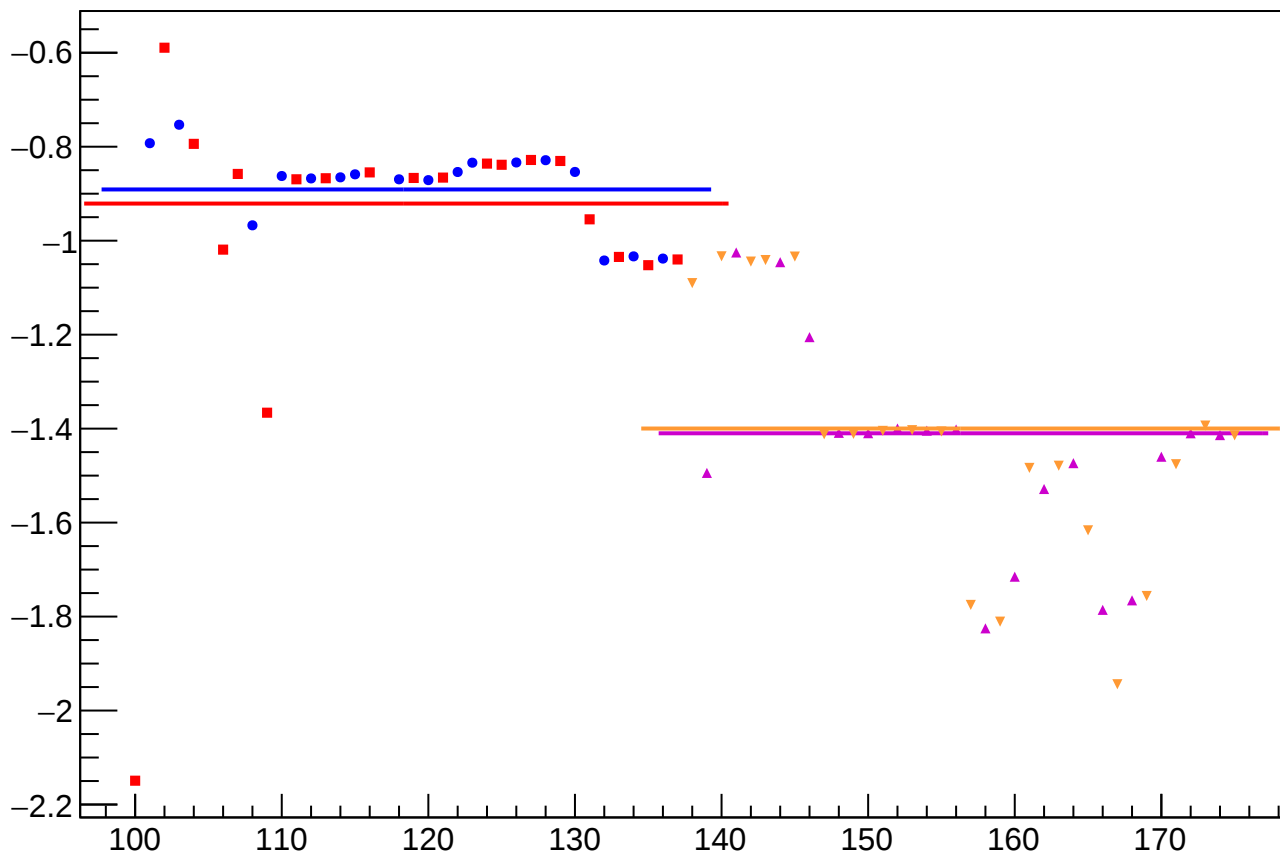
Left In: 0.012+/-0.000 χ^2/NDF : 2940516.1/17

+ sign 0.013+/-0.000 χ^2/NDF : 4685351.3/36

All: 0.012+/-0.000 χ^2/NDF : 9403942.0/73

- sign 0.012+/-0.000 χ^2/NDF : 4709606.7/36

yield_bpm12X_mean vs Slug



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.400+/-0.000 χ^2/NDF : 718096448.5/19

Right Out: -0.921+/-0.000 χ^2/NDF : 131183059.9/18

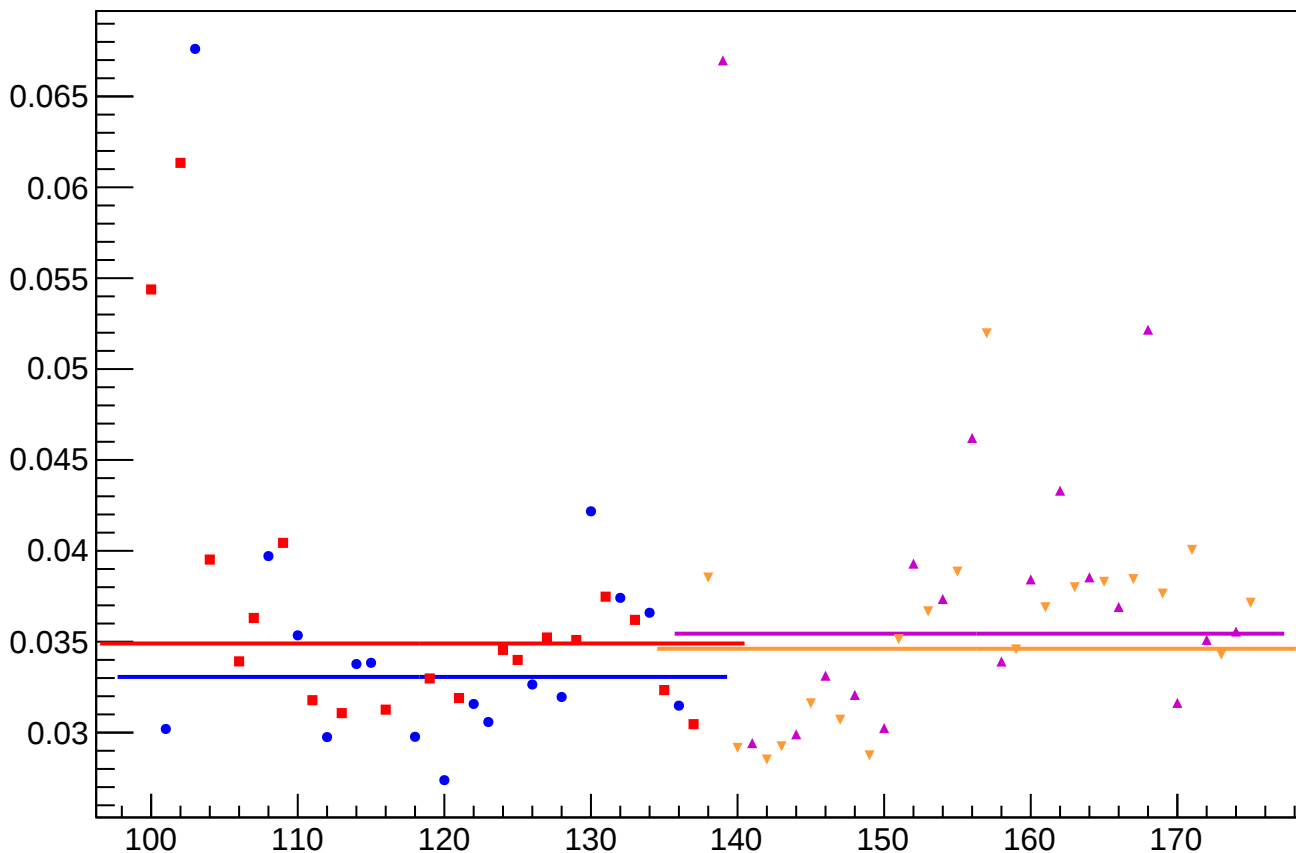
Left In: -1.410+/-0.000 χ^2/NDF : 511078360.3/17

+ sign -1.231+/-0.000 χ^2/NDF : 1687238668.4/36

All: -1.236+/-0.000 χ^2/NDF : 3124615936.8/7

- sign -1.242+/-0.000 χ^2/NDF : 1436385989.5/36

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.035+/-0.000 χ^2/NDF : 455744.3/19

Right Out: 0.035+/-0.000 χ^2/NDF : 274270.8/18

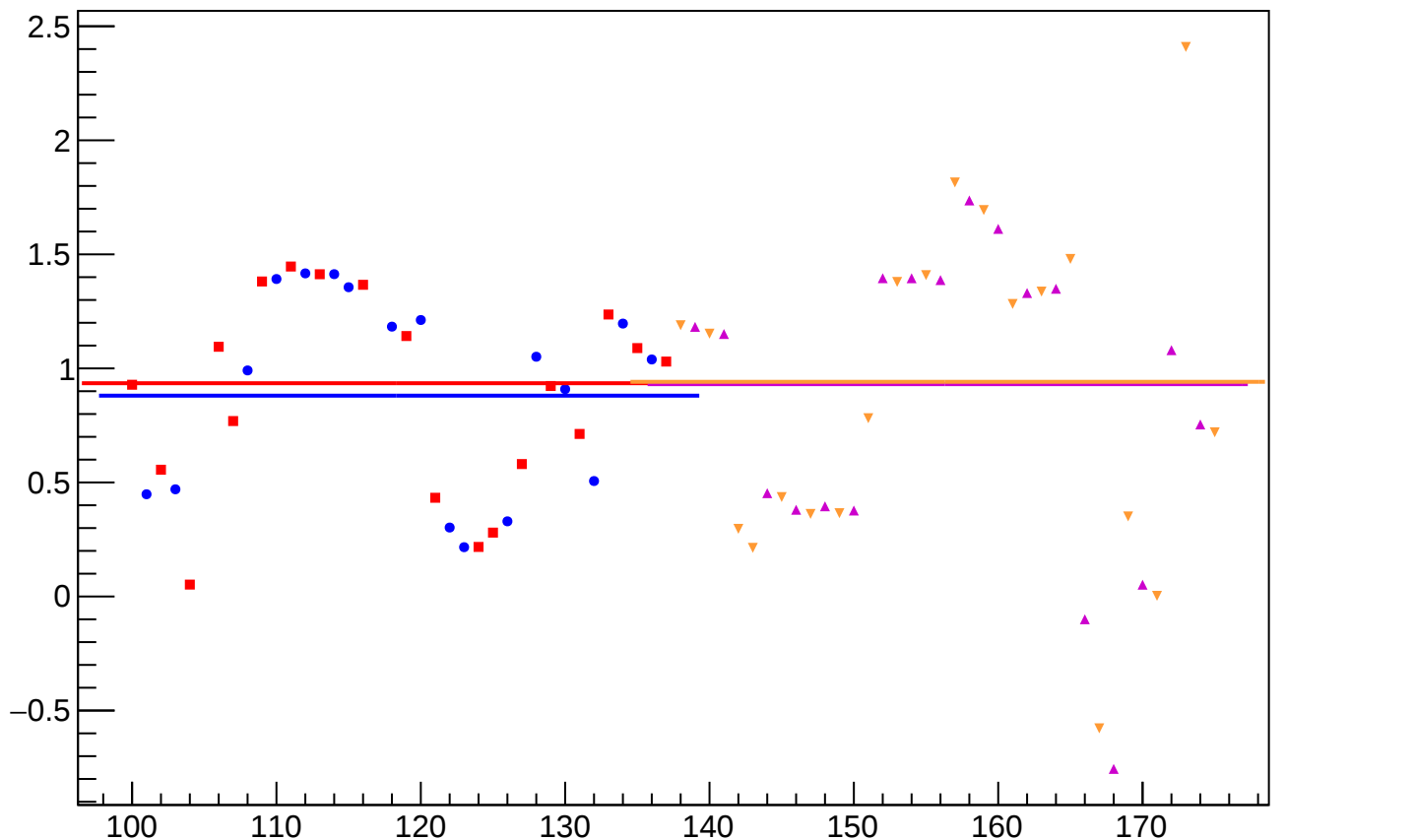
Left In: 0.035+/-0.000 χ^2/NDF : 808882.9/17

+ sign 0.034+/-0.000 χ^2/NDF : 882288.6/36

All: 0.035+/-0.000 χ^2/NDF : 1988099.4/73

- sign 0.035+/-0.000 χ^2/NDF : 1085091.3/36

yield_bpm12Y_mean vs Slug



Right In: 0.880 ± 0.000 χ^2/NDF : 6400108121.4/16

Left Out: 0.941 ± 0.000 χ^2/NDF : 82610868394.9/19

Right Out: 0.935 ± 0.000 χ^2/NDF : 9833525935.6/18

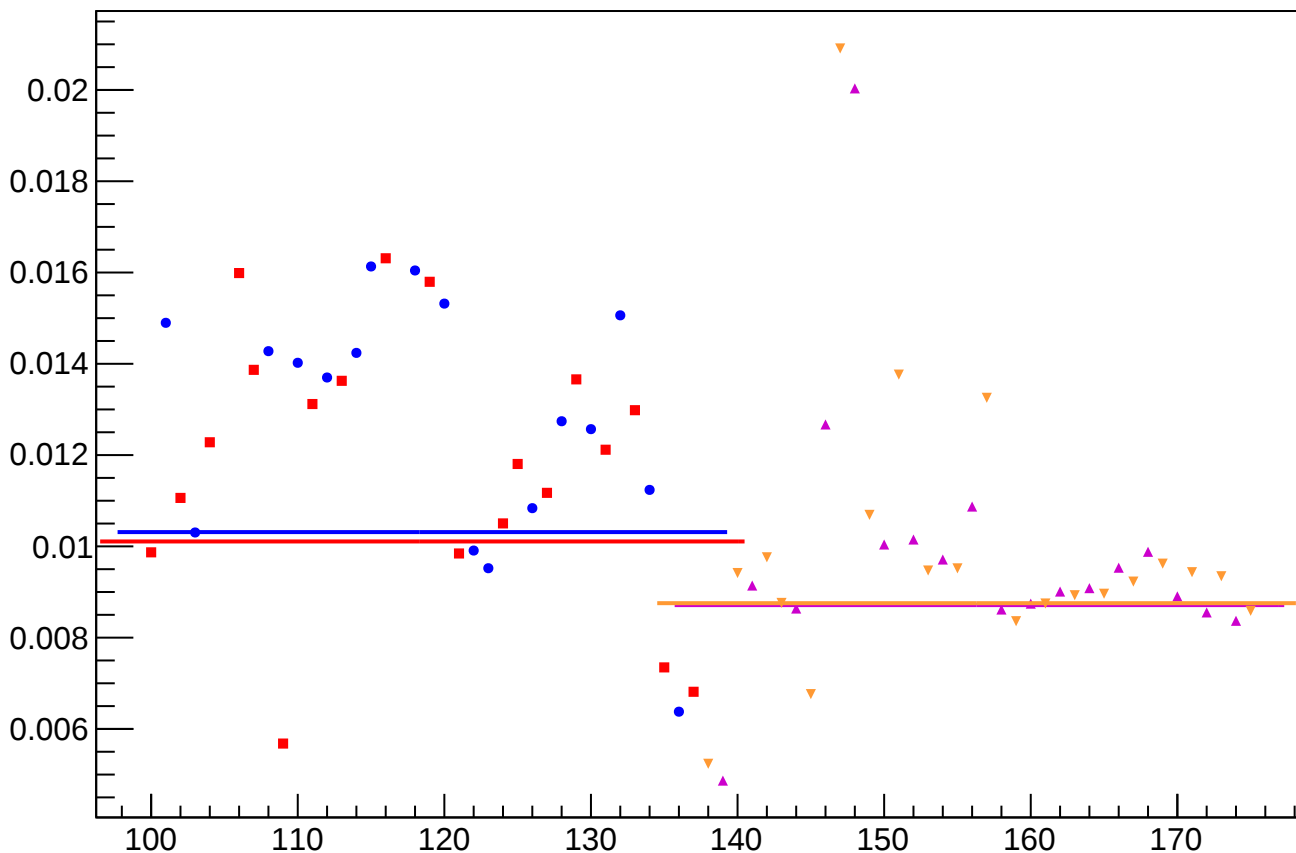
Left In: 0.931 ± 0.000 χ^2/NDF : 65557263145.8/17

+ sign 0.927 ± 0.000 χ^2/NDF : 89160814947.1/36

All: 0.930 ± 0.000 χ^2/NDF : 164554830257.1

- sign 0.932 ± 0.000 χ^2/NDF : 75391512045.1/36

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:1694109.8/19

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

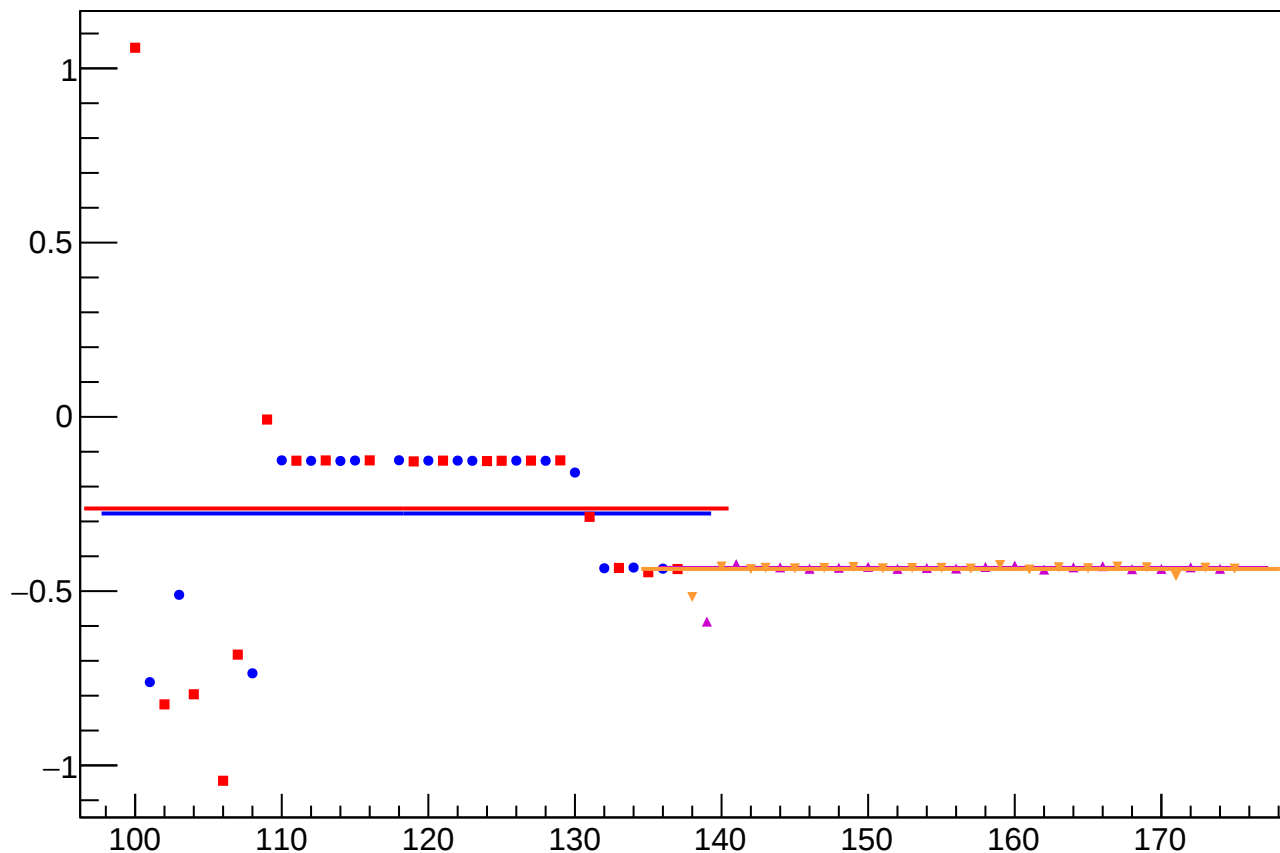
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1595611.2/17

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3122170.7/36

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6061611.8/73

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2939055.9/36

yield_bpm16X_mean vs Slug



Right In: -0.277 ± 0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.436 ± 0.000 χ^2/NDF : 28740422.7/19

Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

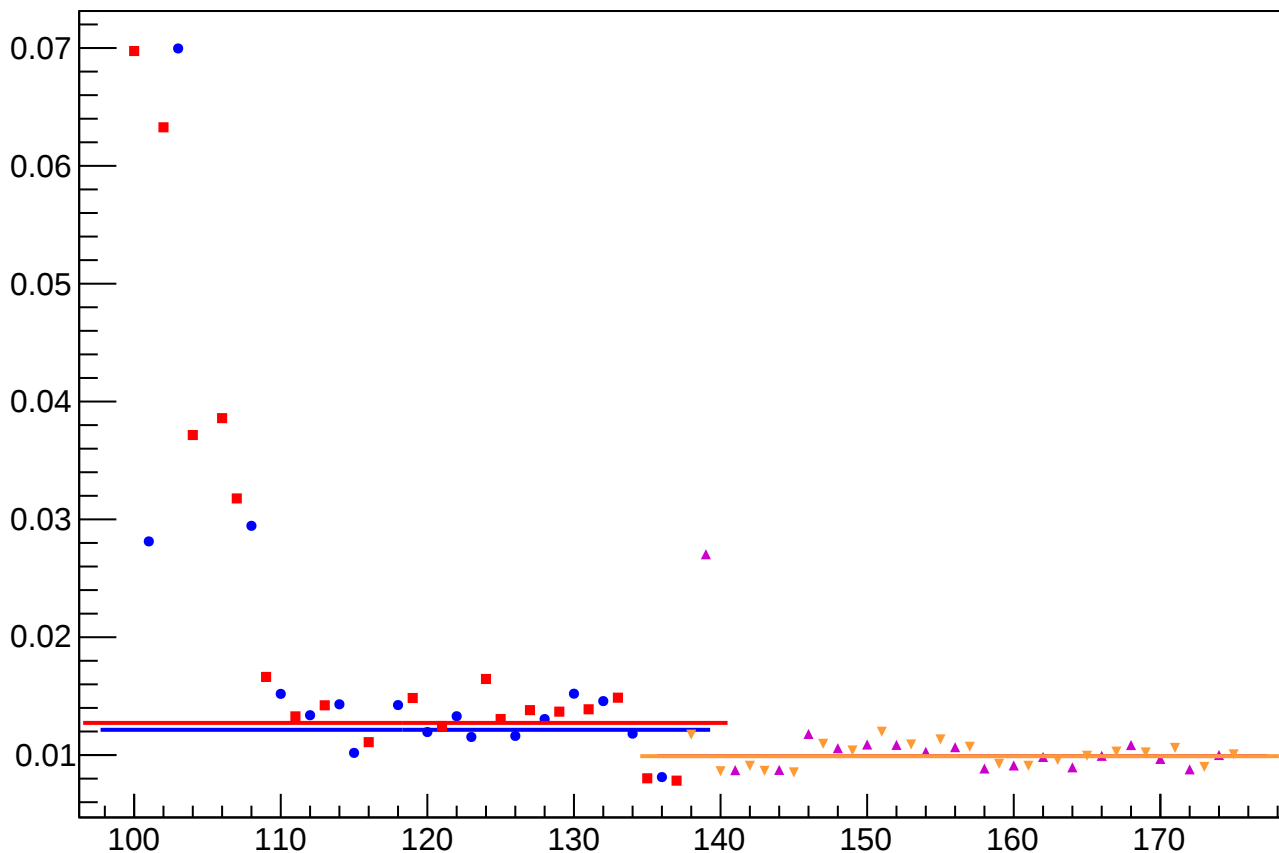
Left In: -0.433 ± 0.000 χ^2/NDF : 23691878.7/17

+ sign -0.405 ± 0.000 χ^2/NDF : 1617799817.0/36

All: -0.402 ± 0.000 χ^2/NDF : 3346338128.7/77

- sign -0.399 ± 0.000 χ^2/NDF : 1726048893.7/36

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:246772.2/19

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1969165.0/18

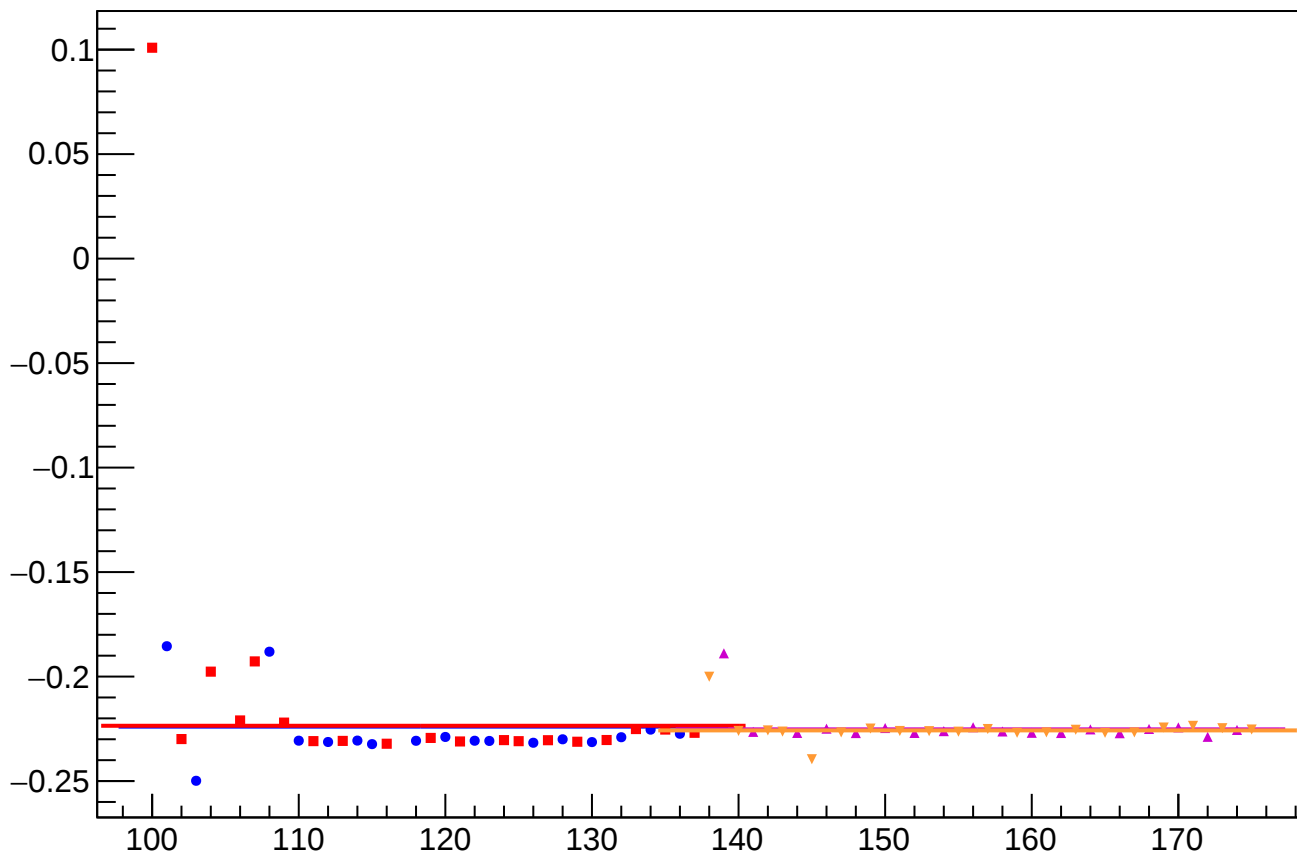
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:724224.8/17

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2230532.7/36

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5303868.7/73

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3070541.8/36

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 : 20872004.0/19

Right Out: -0.224 ± 0.000 χ^2/NDF : 168125914.6/18

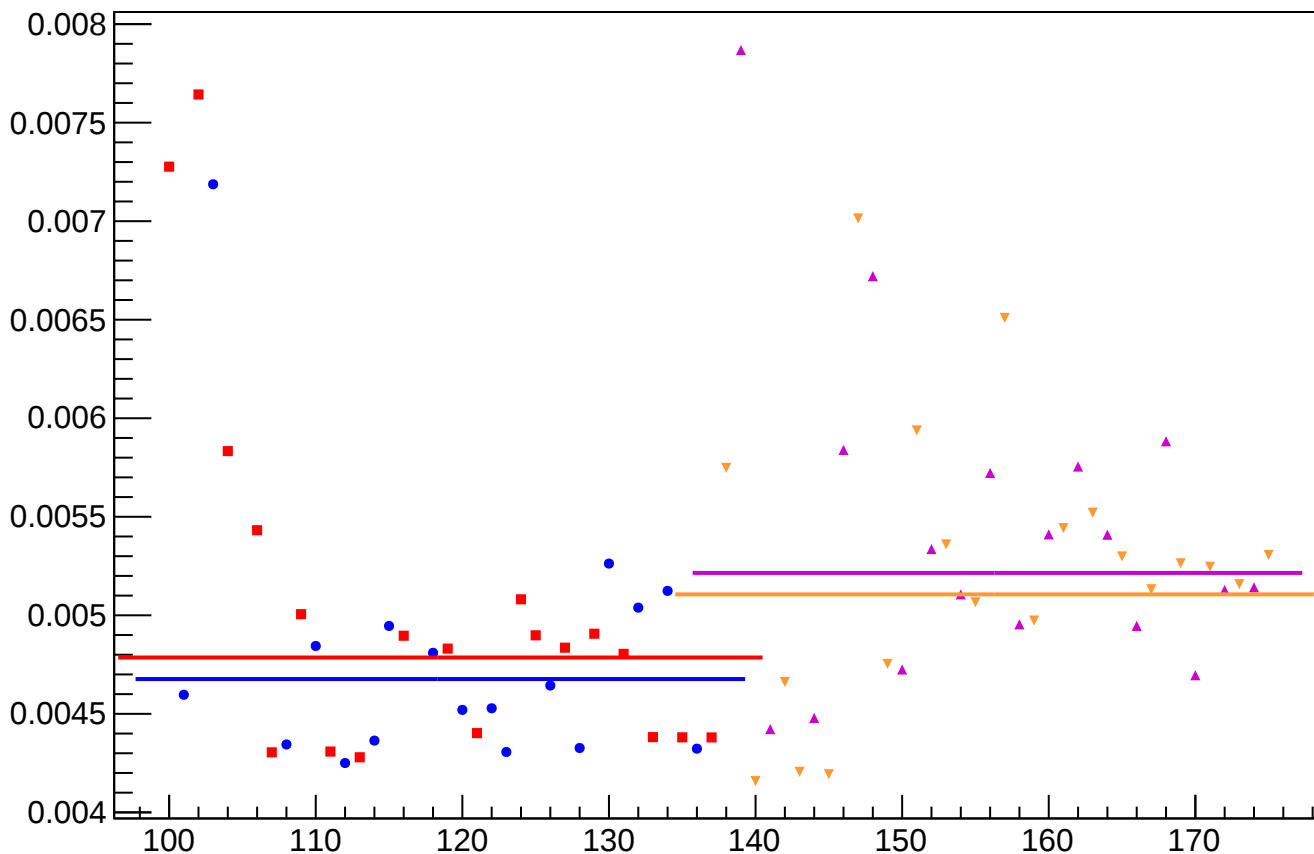
Left In: -0.225 ± 0.000 χ^2/NDF : 14695502.0/17

+ sign -0.225 ± 0.000 χ^2/NDF : 96174716.4/36

All: -0.225 ± 0.000 χ^2/NDF : 279617387.6/73

- sign -0.225 ± 0.000 χ^2/NDF : 183339264.5/36

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 : 453698.2/19

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

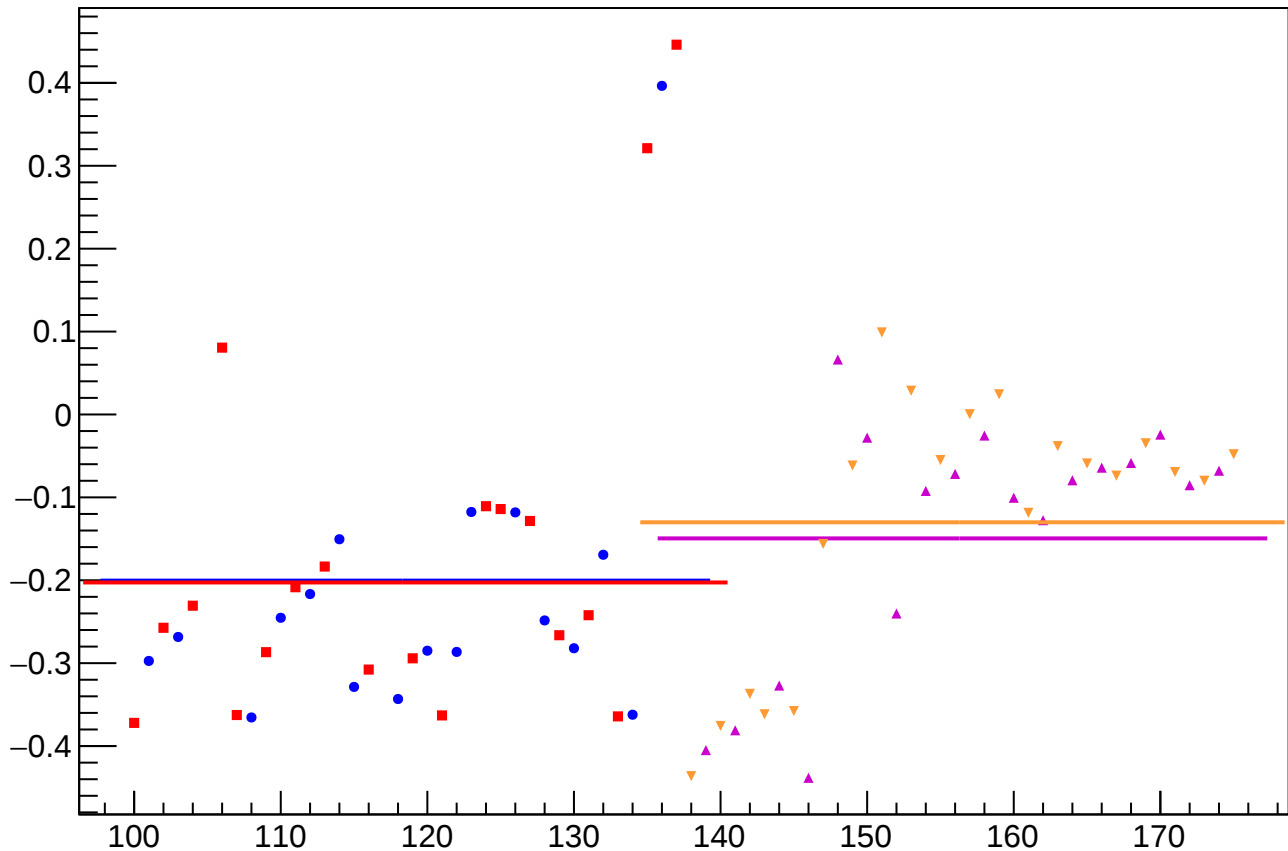
Left In: 0.005+/-0.000 χ^2/NDF : 426465.6/17

+ sign 0.005+/-0.000 χ^2/NDF : 702326.3/36

All: 0.005+/-0.000 χ^2/NDF : 1449349.9/73

- sign 0.005+/-0.000 χ^2/NDF : 739663.4/36

yield_bpm0i02X_mean vs Slug



Right In: -0.200+/-0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.130+/-0.000 χ^2/NDF : 11928546414.0/19

Right Out: -0.203+/-0.000 χ^2/NDF : 5028268807.1/18

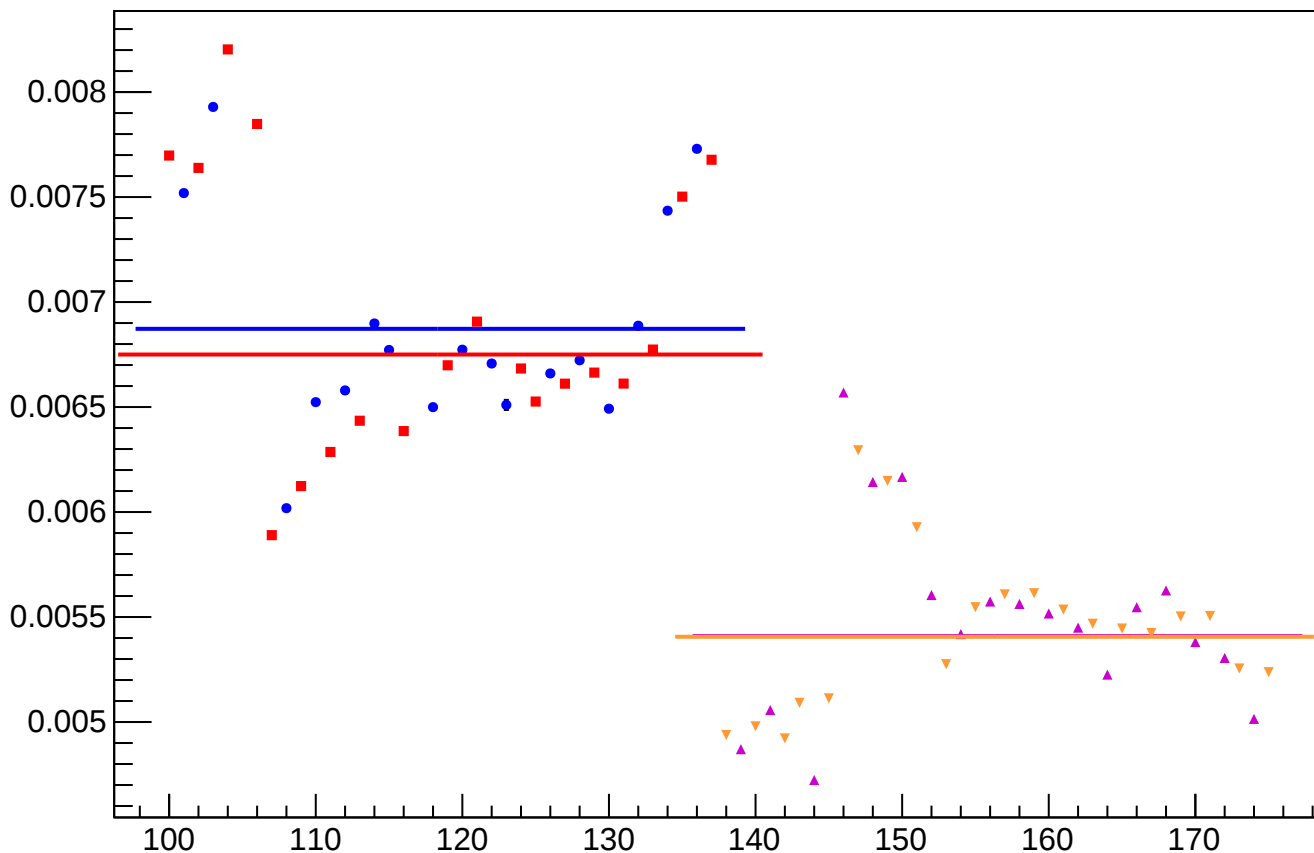
Left In: -0.150+/-0.000 χ^2/NDF : 9096188385.4/17

+ sign -0.146+/-0.000 χ^2/NDF : 18436790948.1/36

All: -0.154+/-0.000 χ^2/NDF : 32970090529.1/36

- sign -0.163+/-0.000 χ^2/NDF : 14443035826.8/36

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005+/-0.000 χ^2/NDF : 109547.4/19

Right Out: 0.007+/-0.000 χ^2/NDF : 105124.4/18

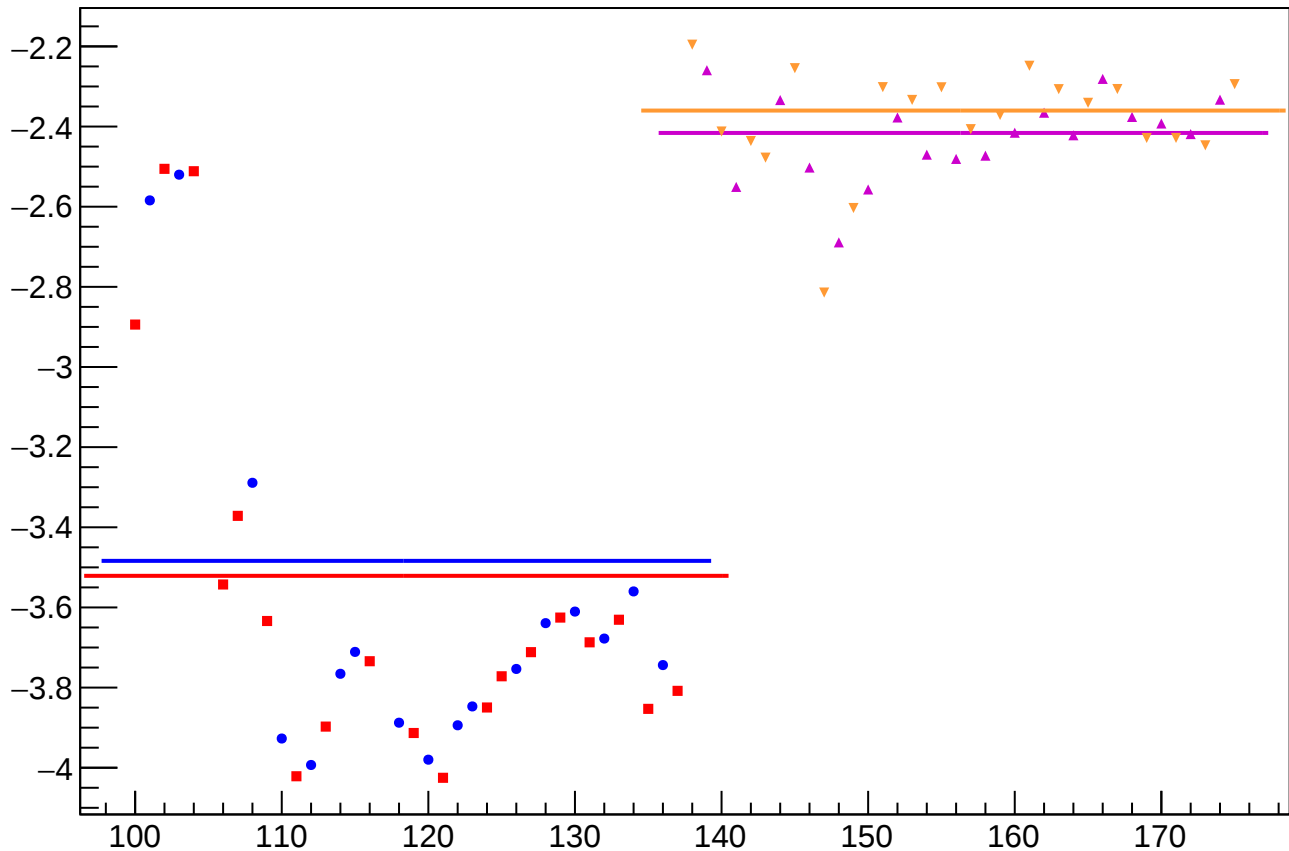
Left In: 0.005+/-0.000 χ^2/NDF : 158810.1/17

+ sign 0.006+/-0.000 χ^2/NDF : 652691.1/36

All: 0.006+/-0.000 χ^2/NDF : 1322182.1/73

- sign 0.006+/-0.000 χ^2/NDF : 669342.4/36

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.360+/-0.000 χ^2/NDF : 1926663755.6/19

Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

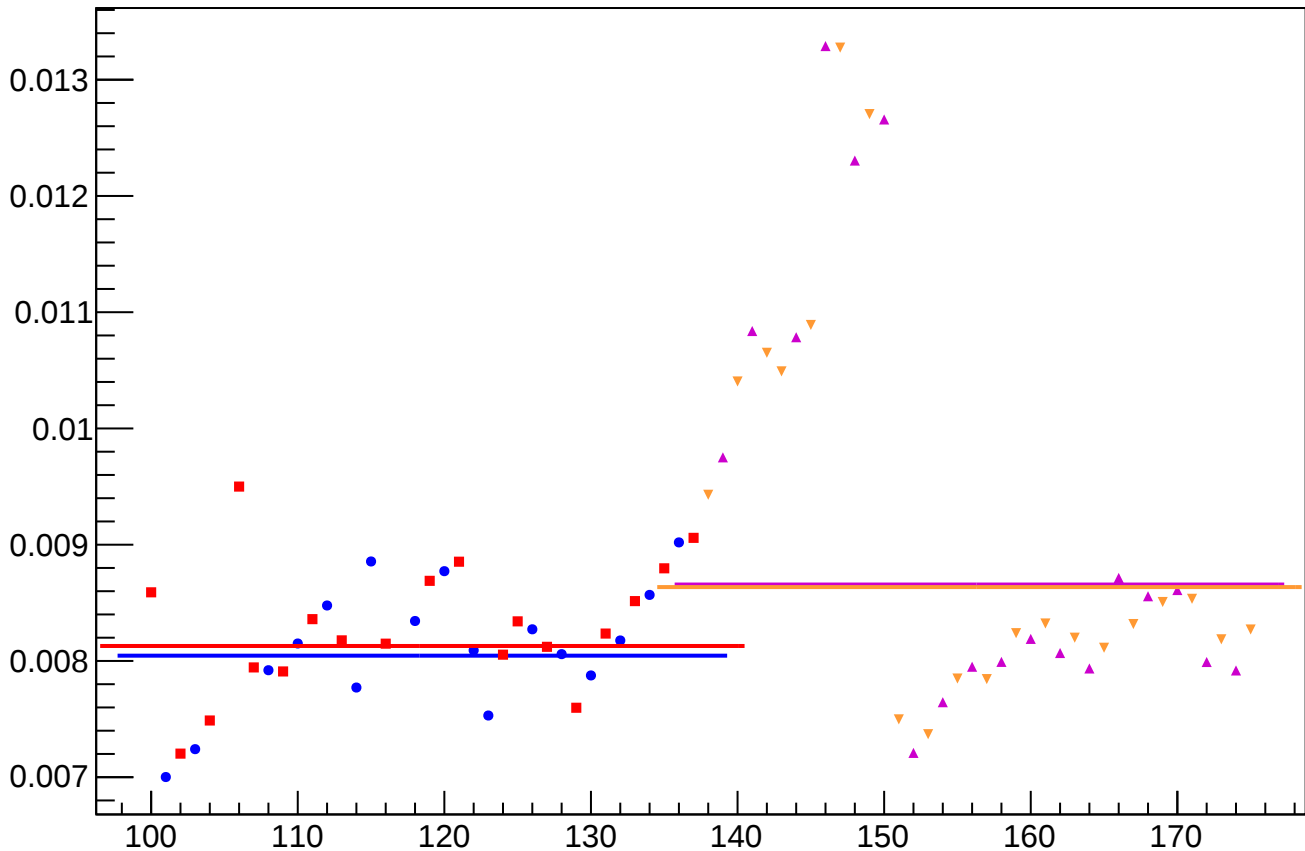
Left In: -2.416+/-0.000 χ^2/NDF : 1222323729.4/17

+ sign -2.754+/-0.000 χ^2/NDF : 111607398833.5/36

All: -2.791+/-0.000 χ^2/NDF : 218504597817.3

- sign -2.829+/-0.000 χ^2/NDF : 106094602524.0/36

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 :603110.2/19

Right Out: 0.008+/-0.000 χ^2/NDF : 57478.2/18

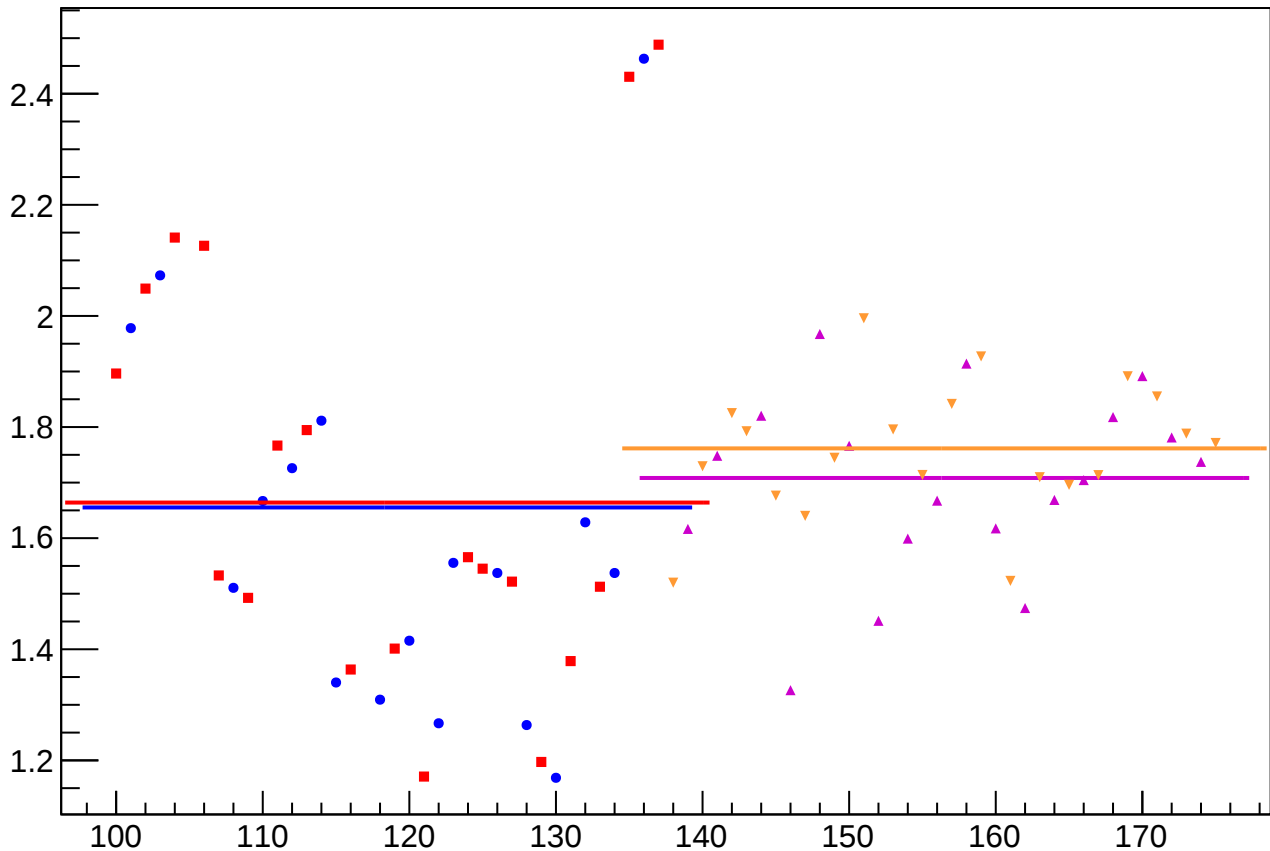
Left In: 0.009+/-0.000 χ^2/NDF :726279.1/17

+ sign 0.008+/-0.000 χ^2/NDF : 720588.7/36

All: 0.008+/-0.000 χ^2/NDF : 1540480.4/73

- sign 0.008+/-0.000 χ^2/NDF : 819623.9/36

yield_bpm0i02aX_mean vs Slug



Right In: 1.655 $\pm$ 0.000 χ^2 /NDF: 6476474909.3/16

Left Out: 1.762 $\pm$ 0.000 χ^2 /NDF: 1758937454.0/19

Right Out: 1.664 $\pm$ 0.000 χ^2 /NDF: 5944262279.7/18

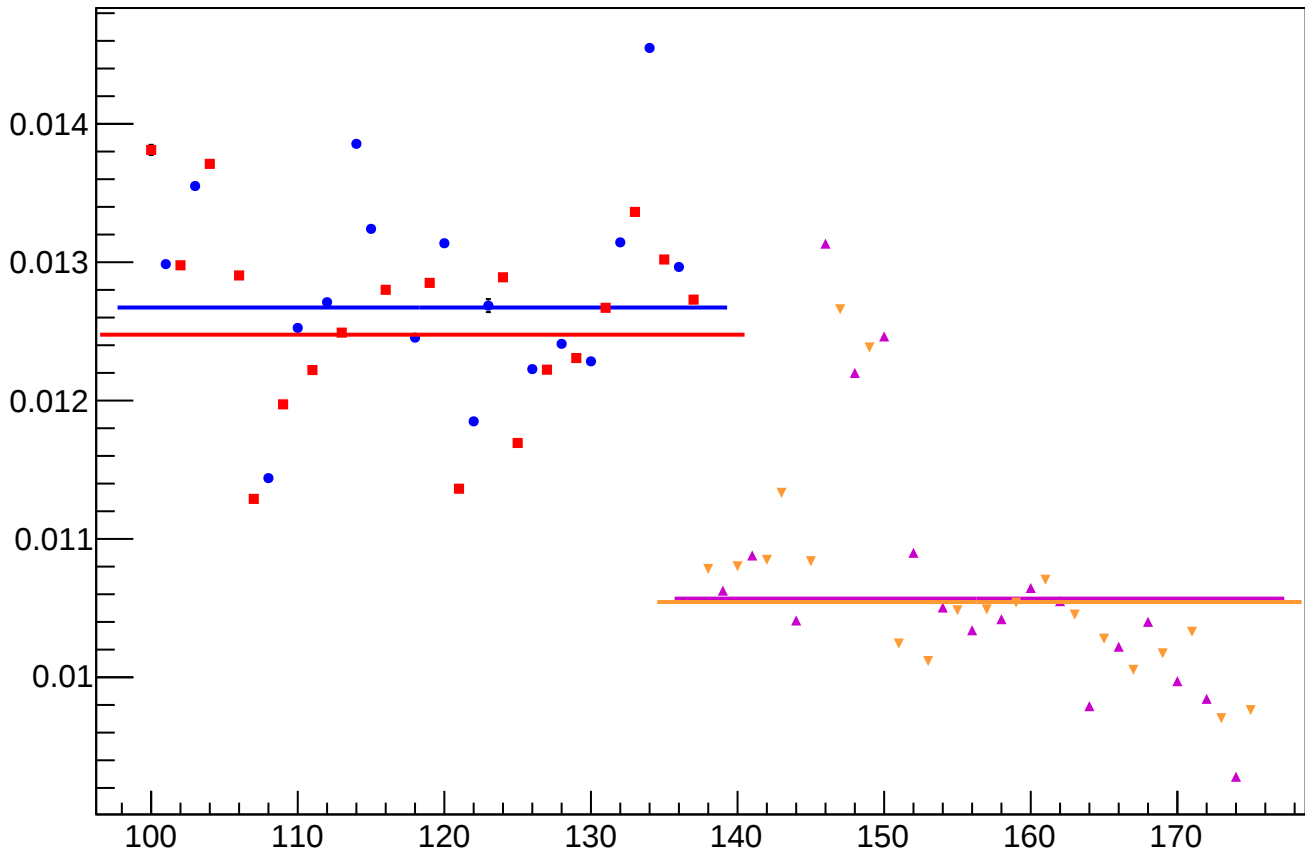
Left In: 1.708 $\pm$ 0.000 χ^2 /NDF: 2757560010.7/17

+ sign 1.736 $\pm$ 0.000 χ^2 /NDF: 8586371629.6/36

All: 1.717 $\pm$ 0.000 χ^2 /NDF: 17482748574.9/7

- sign 1.696 $\pm$ 0.000 χ^2 /NDF: 8764932962.1/36

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 :115746.7/19

Right Out: 0.012+/-0.000 χ^2/NDF : 39134.8/18

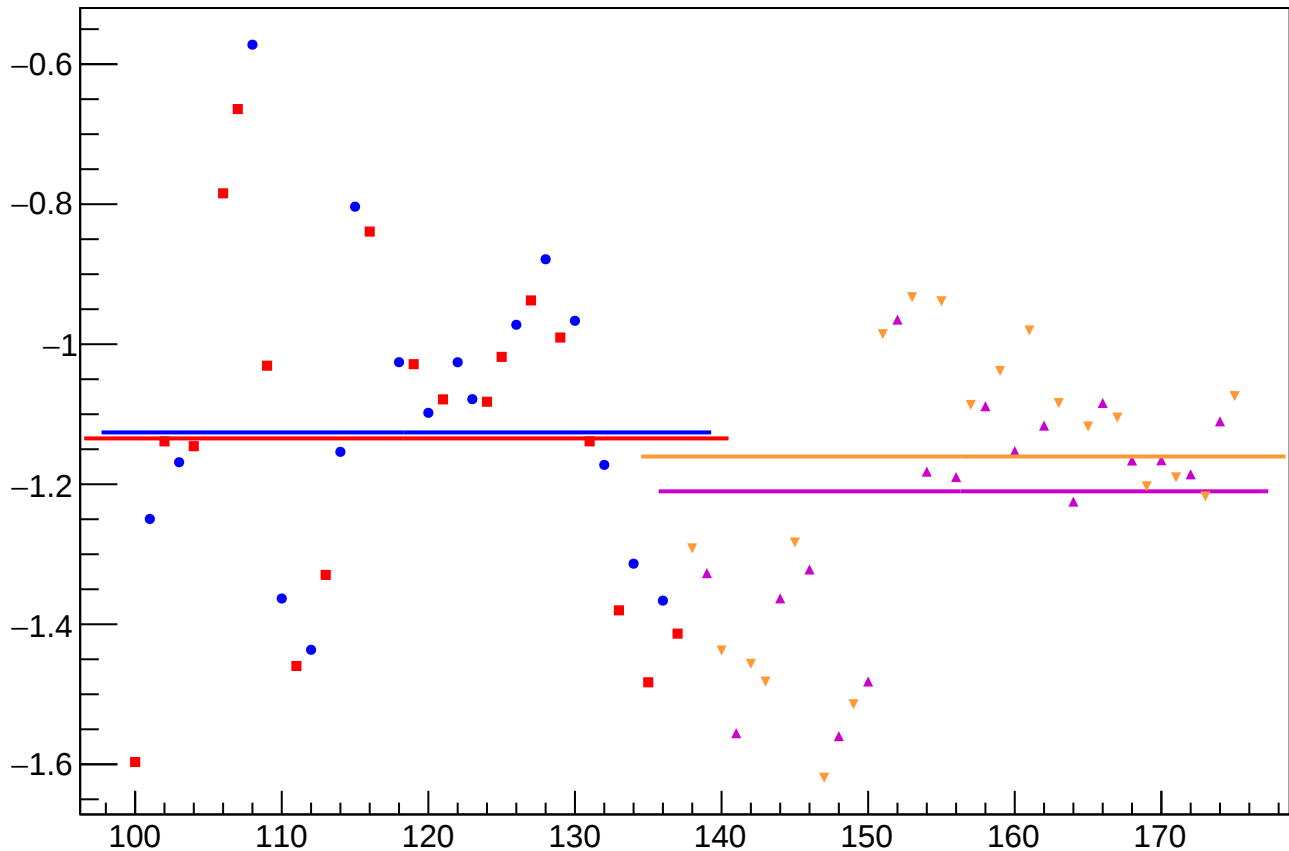
Left In: 0.011+/-0.000 χ^2/NDF :170450.3/17

+ sign 0.011+/-0.000 χ^2/NDF : 428773.4/36

All: 0.011+/-0.000 χ^2/NDF : 873076.4/73

- sign 0.011+/-0.000 χ^2/NDF : 444134.9/36

yield_bpm0i02aY_mean vs Slug



Right In: -1.126 ± 0.000 $\chi^2/\text{NDF}: 3574776639.2/16$

Left Out: -1.160 ± 0.000 $\chi^2/\text{NDF}: 7292231684.8/19$

Right Out: -1.135 ± 0.000 $\chi^2/\text{NDF}: 3677461023.4/18$

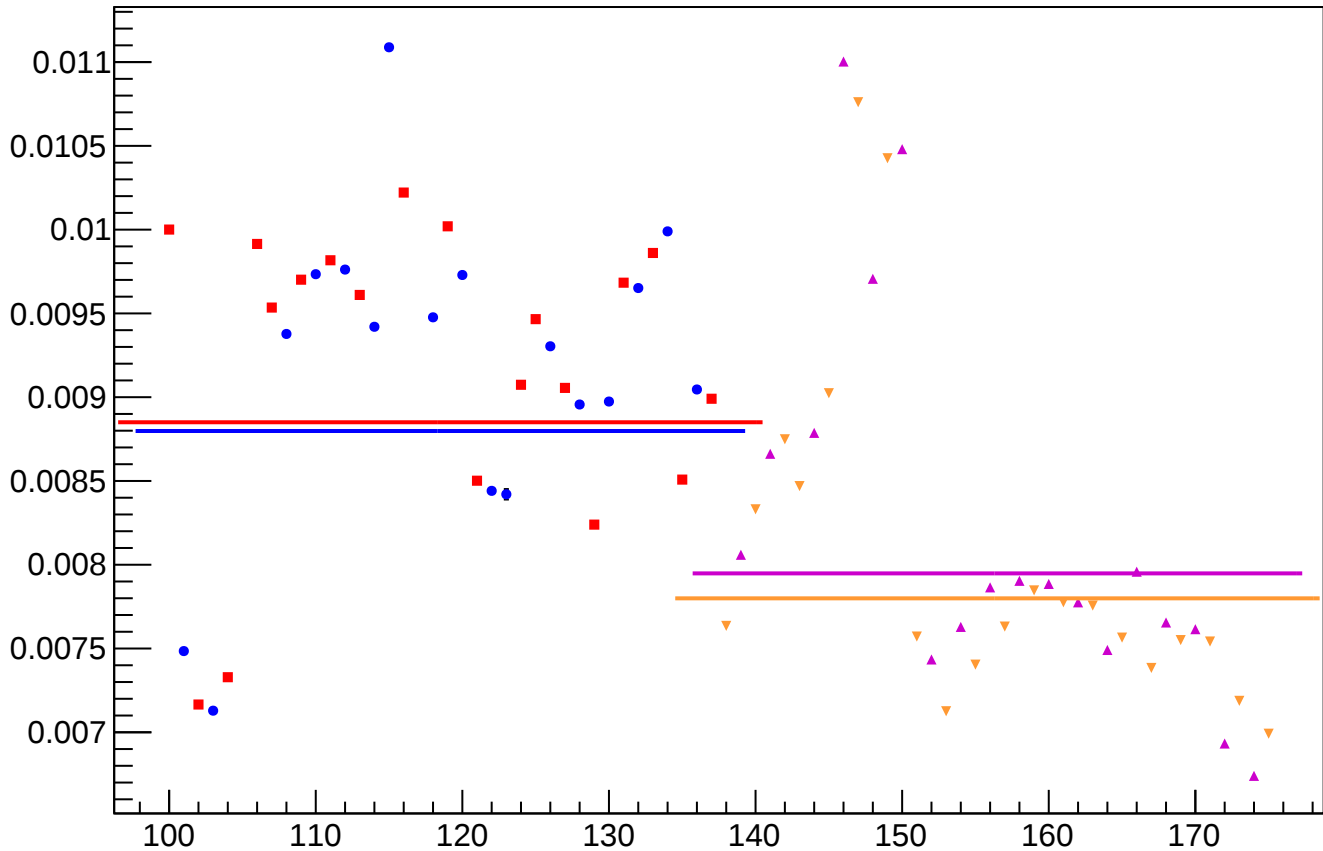
Left In: -1.210 ± 0.000 $\chi^2/\text{NDF}: 4692346175.2/17$

+ sign -1.151 ± 0.000 $\chi^2/\text{NDF}: 10938691508.4/36$

All: -1.169 ± 0.000 $\chi^2/\text{NDF}: 19852120704.1/70$

- sign -1.188 ± 0.000 $\chi^2/\text{NDF}: 8711145936.3/36$

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 : 288837.7/19

Right Out: 0.009+/-0.000 χ^2/NDF : 173958.0/18

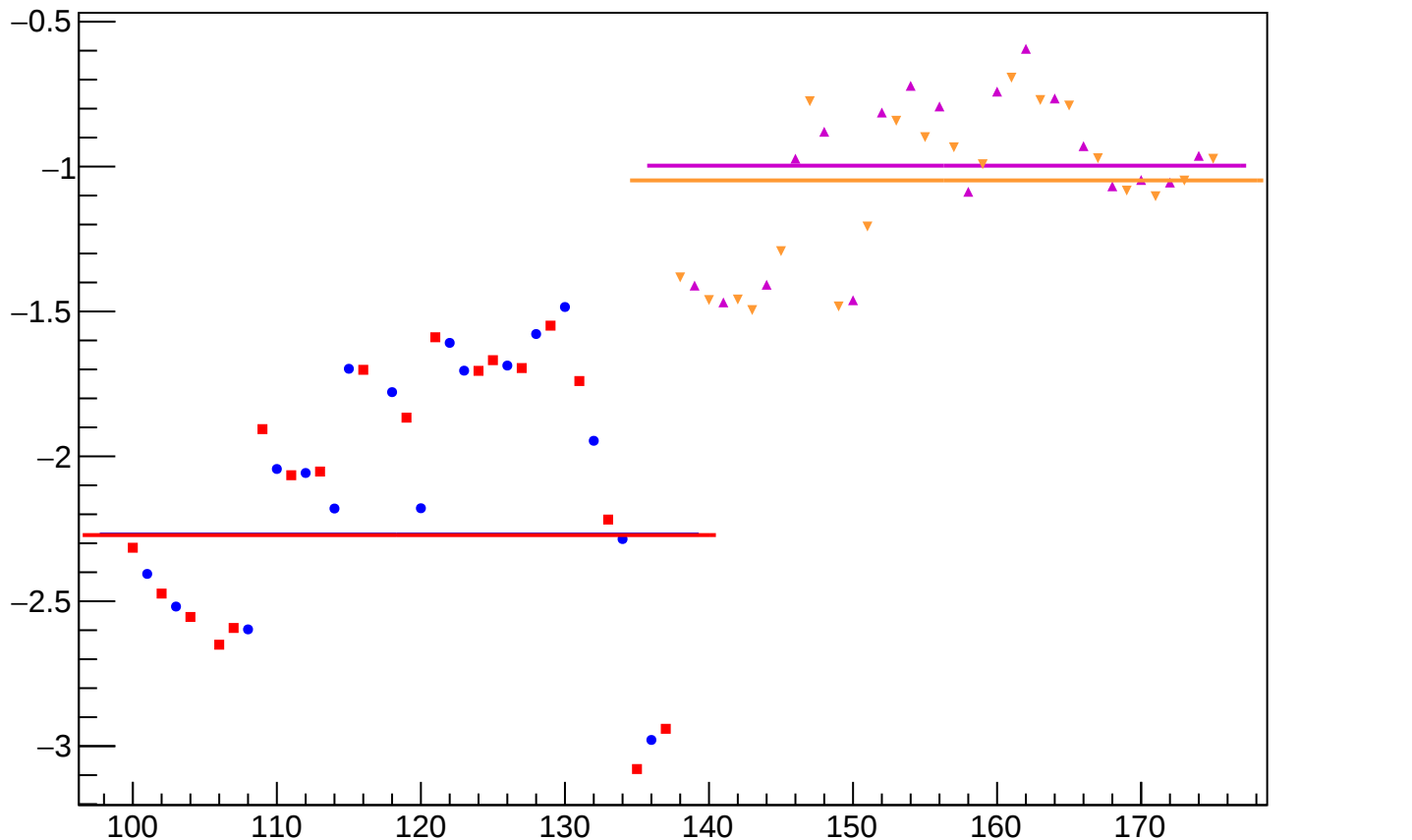
Left In: 0.008+/-0.000 χ^2/NDF : 348625.6/17

+ sign 0.008+/-0.000 χ^2/NDF : 561100.6/36

All: 0.008+/-0.000 χ^2/NDF : 1187421.9/73

- sign 0.008+/-0.000 χ^2/NDF : 619824.2/36

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.048+/-0.000 χ^2/NDF : 17776282533.0/19

Right Out: -2.272+/-0.000 χ^2/NDF : 19009331715.4/18

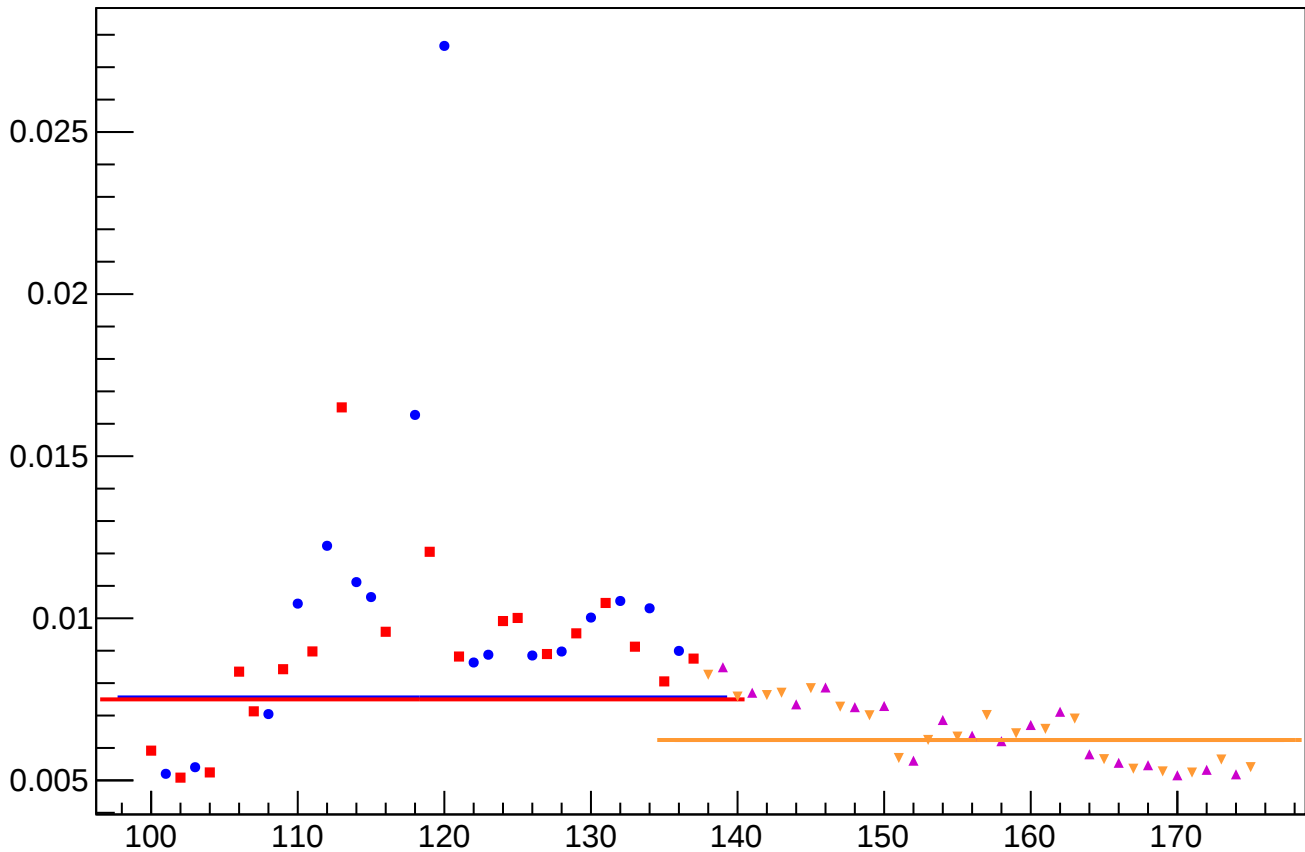
Left In: -0.997+/-0.000 χ^2/NDF : 18125498697.2/17

+ sign -1.294+/-0.000 χ^2/NDF : 140183581203.3/36

All: -1.295+/-0.000 χ^2/NDF : 301301397385.1

- sign -1.295+/-0.000 χ^2/NDF : 161117735657.4/36

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 :560819.0/19

Right Out: 0.007+/-0.000 χ^2/NDF : 933998.1/18

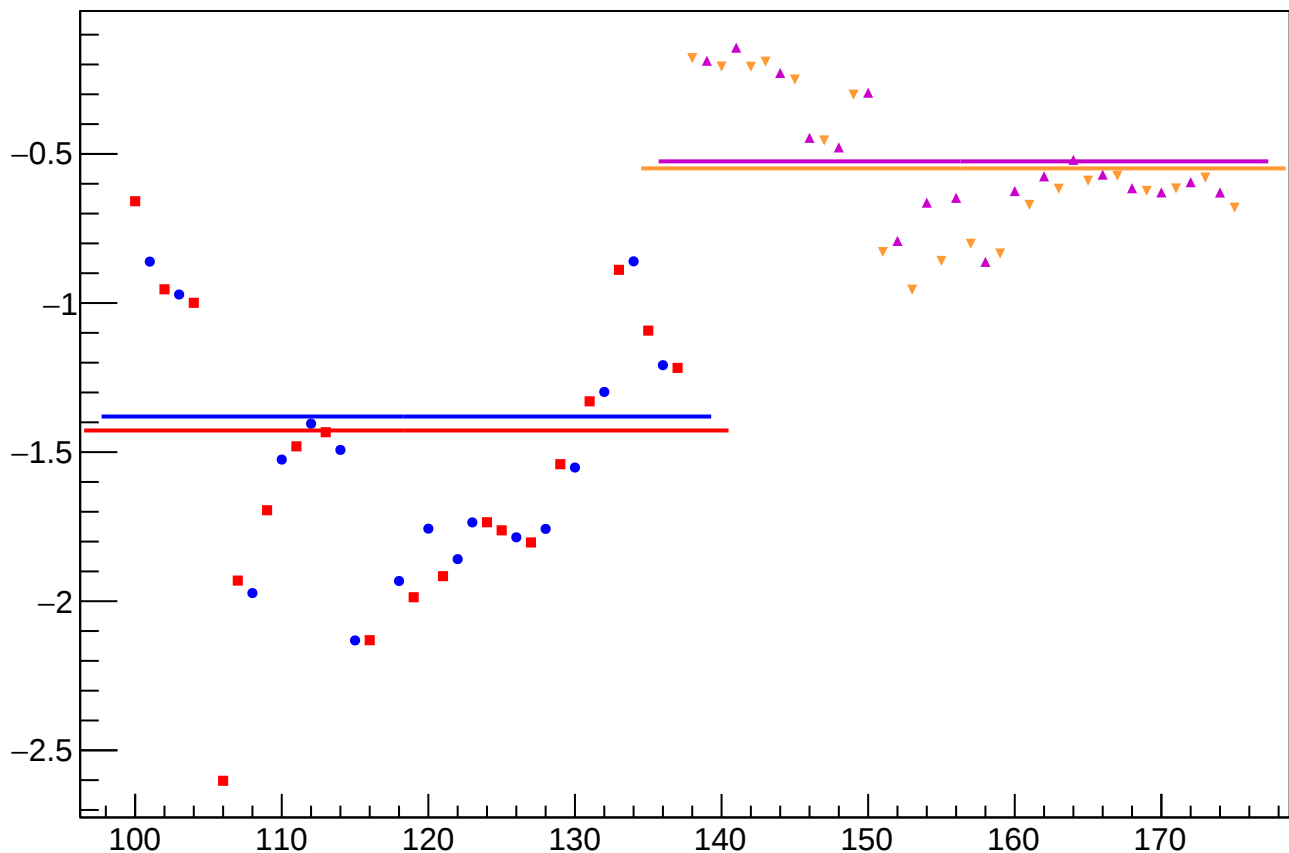
Left In: 0.006+/-0.000 χ^2/NDF :593802.5/17

+ sign 0.007+/-0.000 χ^2/NDF : 2024139.9/36

All: 0.007+/-0.000 χ^2/NDF : 3792120.7/73

- sign 0.007+/-0.000 χ^2/NDF : 1767655.6/36

yield_bpm0i05Y_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.548+/-0.000 χ^2/NDF : 46175563640.1/19

Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

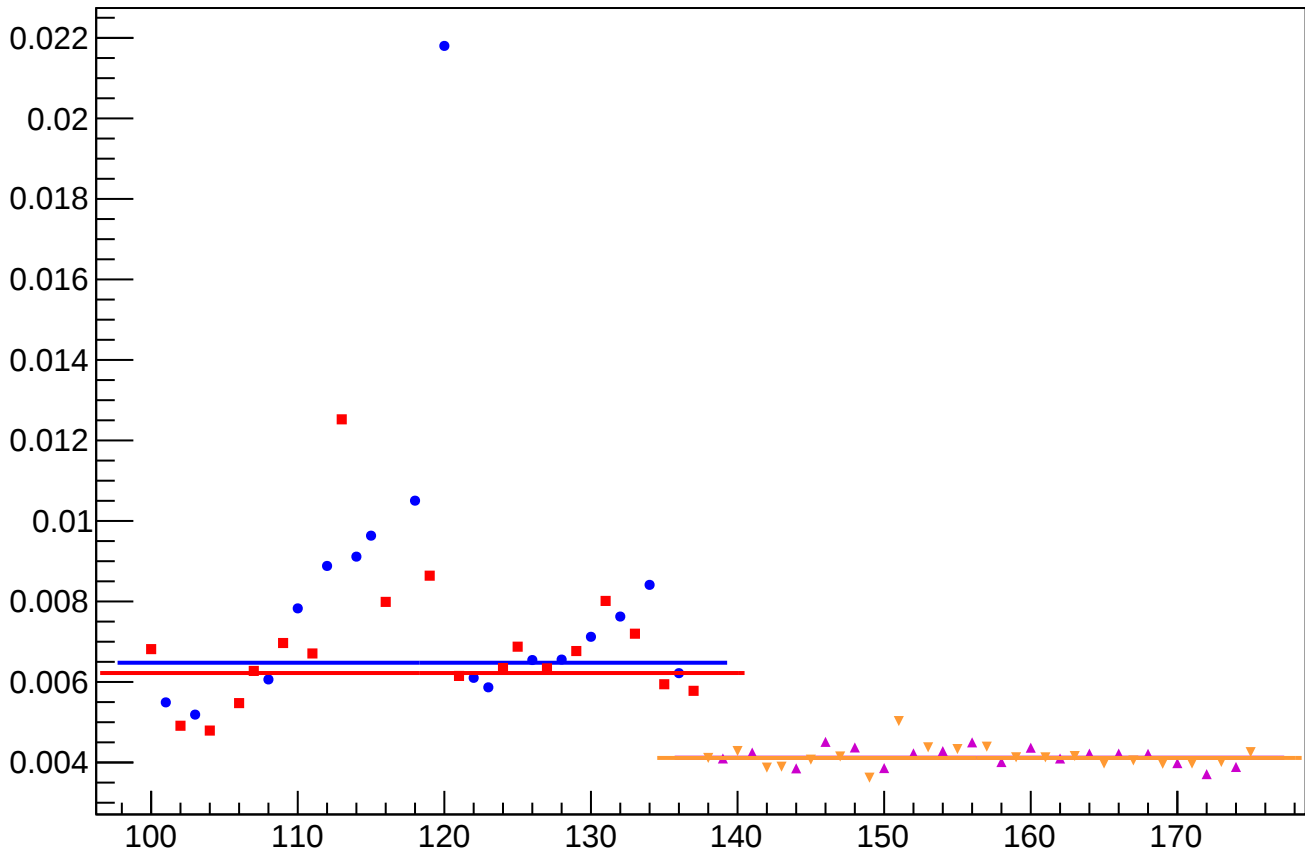
Left In: -0.525+/-0.000 χ^2/NDF : 30386094391.2/17

+ sign -0.664+/-0.000 χ^2/NDF : 143639687986.0/36

All: -0.670+/-0.000 χ^2/NDF : 306677905437.7

- sign -0.677+/-0.000 χ^2/NDF : 162960469239.0/36

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 :96959.2/19

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

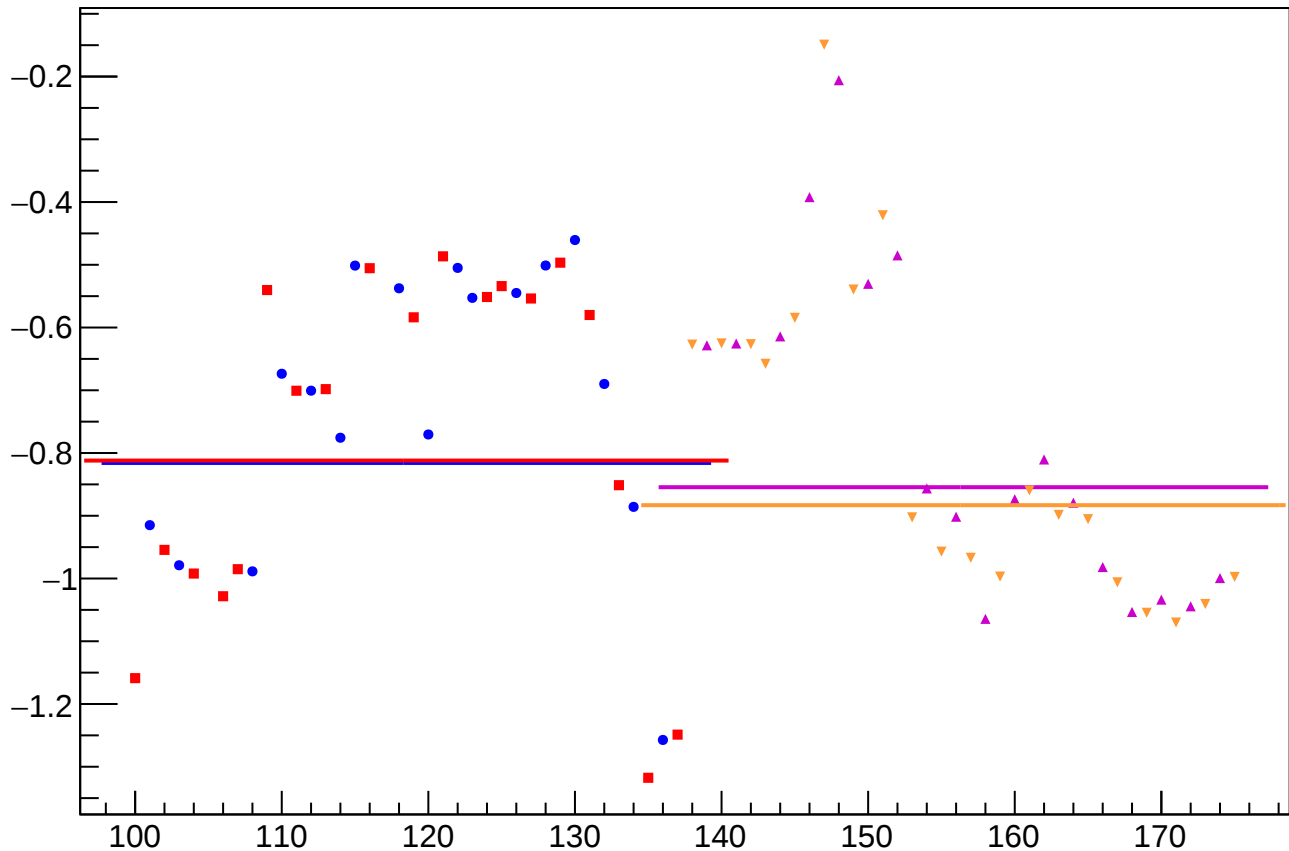
Left In: 0.004+/-0.000 χ^2/NDF :74893.3/17

+ sign 0.004+/-0.000 χ^2/NDF : 1921141.2/36

All: 0.004+/-0.000 χ^2/NDF : 3538494.4/73

- sign 0.004+/-0.000 χ^2/NDF : 1616374.8/36

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.883+/-0.000 χ^2/NDF : 39925763359.7/19

Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

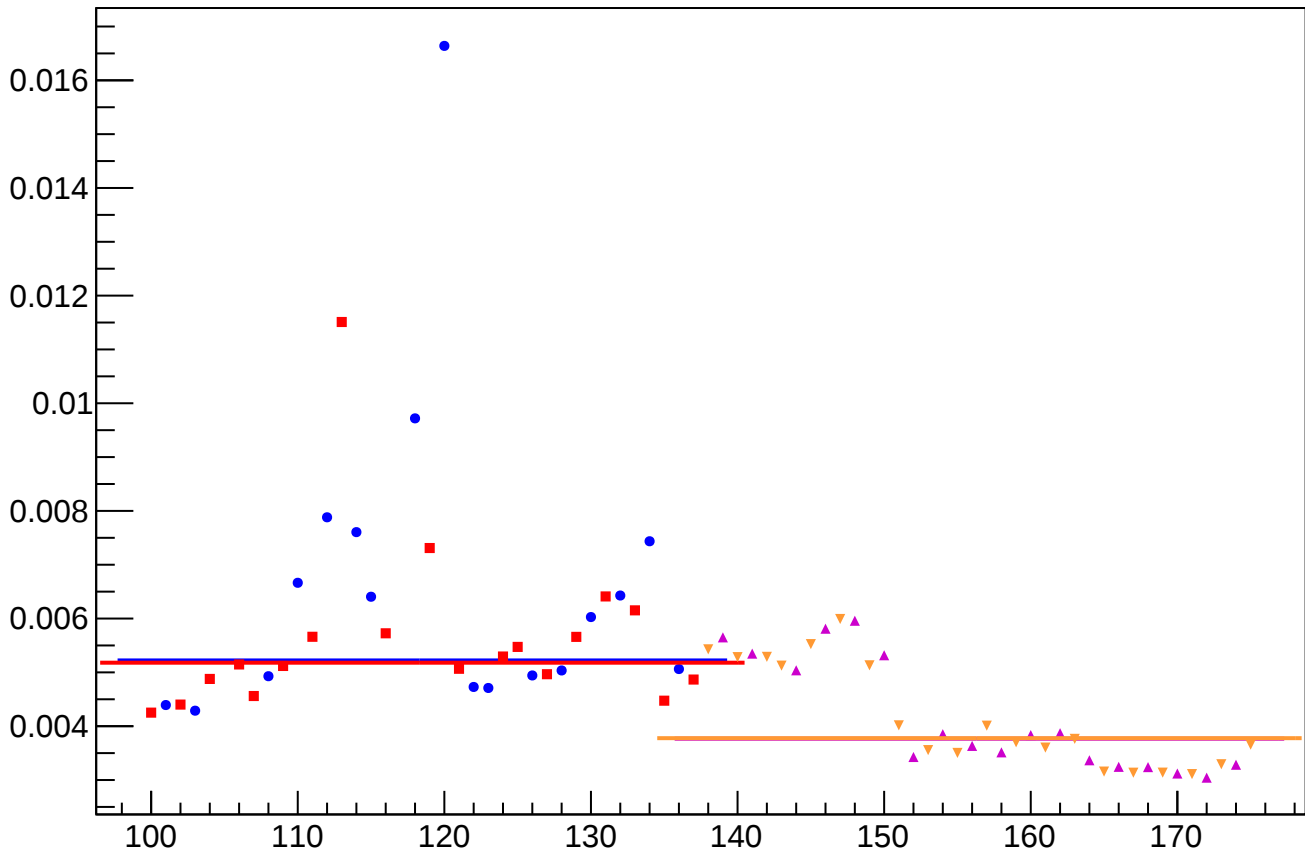
Left In: -0.854+/-0.000 χ^2/NDF : 42962865225.7/17

+ sign -0.871+/-0.000 χ^2/NDF : 54832716124.7/36

All: -0.859+/-0.000 χ^2/NDF : 115292367791.0

- sign -0.846+/-0.000 χ^2/NDF : 60097245669.3/36

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 664386.8/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1124610.3/19

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 363781.3/18

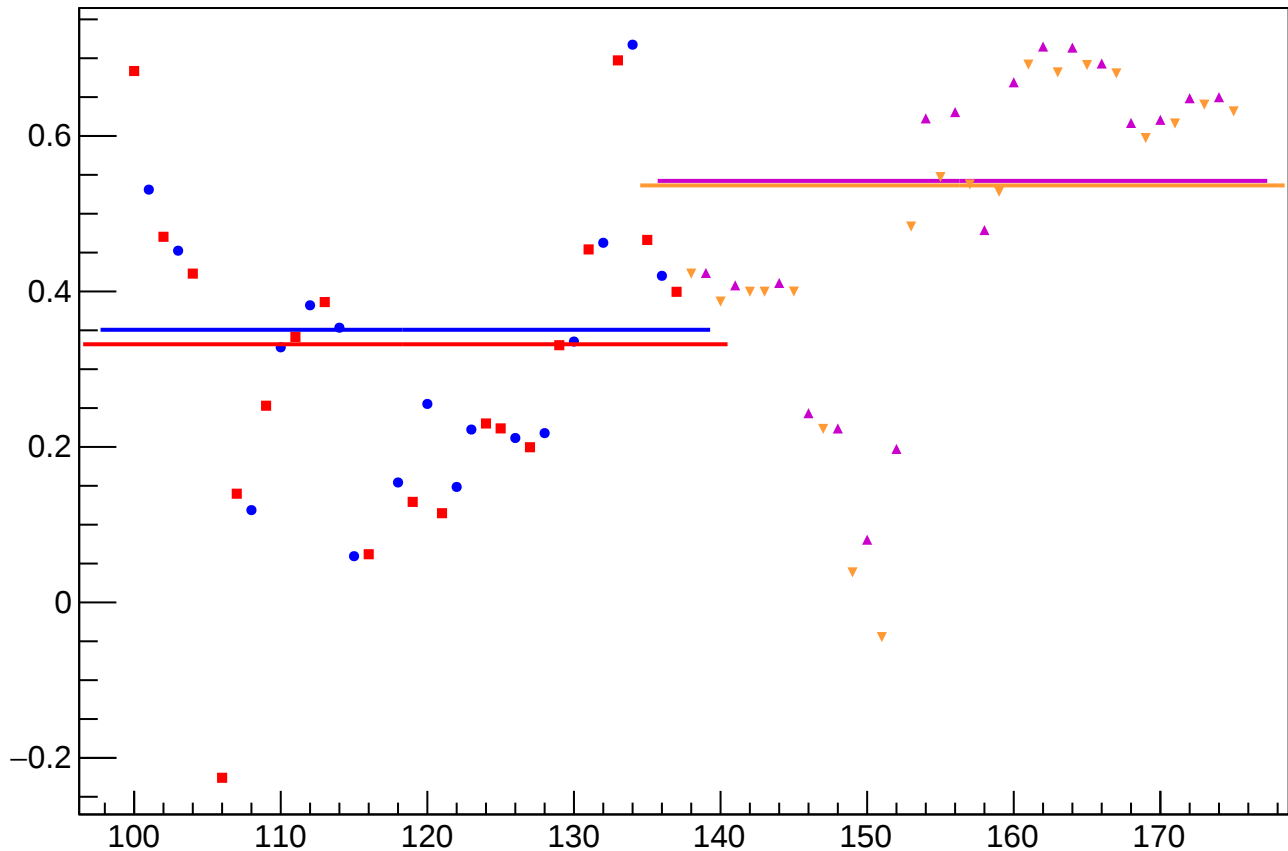
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1183563.4/17

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2464780.8/36

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4717766.2/73

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2252337.9/36

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.536+/-0.000 χ^2/NDF : 40581491919.7/19

Right Out: 0.332+/-0.000 χ^2/NDF : 11796213425.9/18

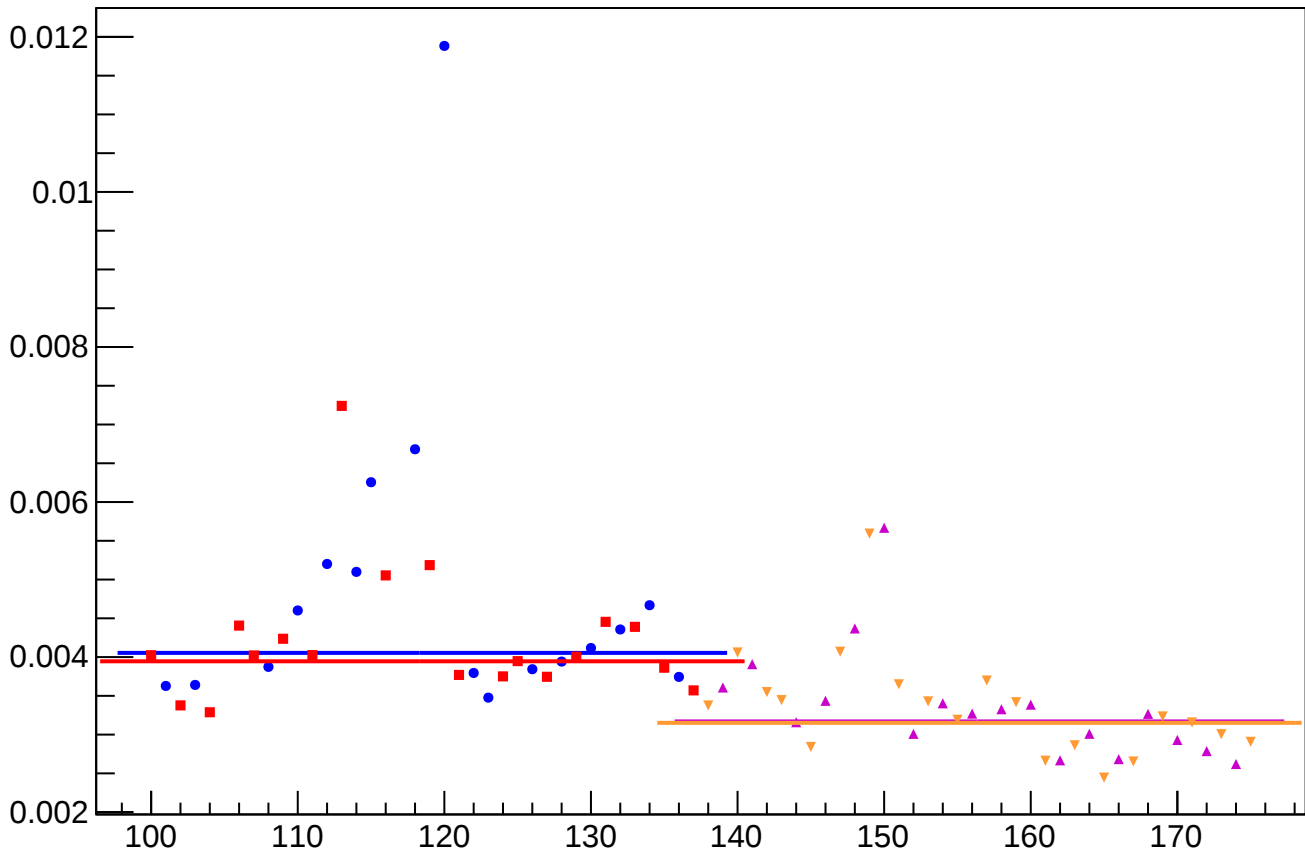
Left In: 0.542+/-0.000 χ^2/NDF : 37851873877.5/17

+ sign 0.498+/-0.000 χ^2/NDF : 57450904521.2/36

All: 0.494+/-0.000 χ^2/NDF : 120264095248.7

- sign 0.491+/-0.000 χ^2/NDF : 62777082823.9/36

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: 725286.3/19

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 260968.0/18

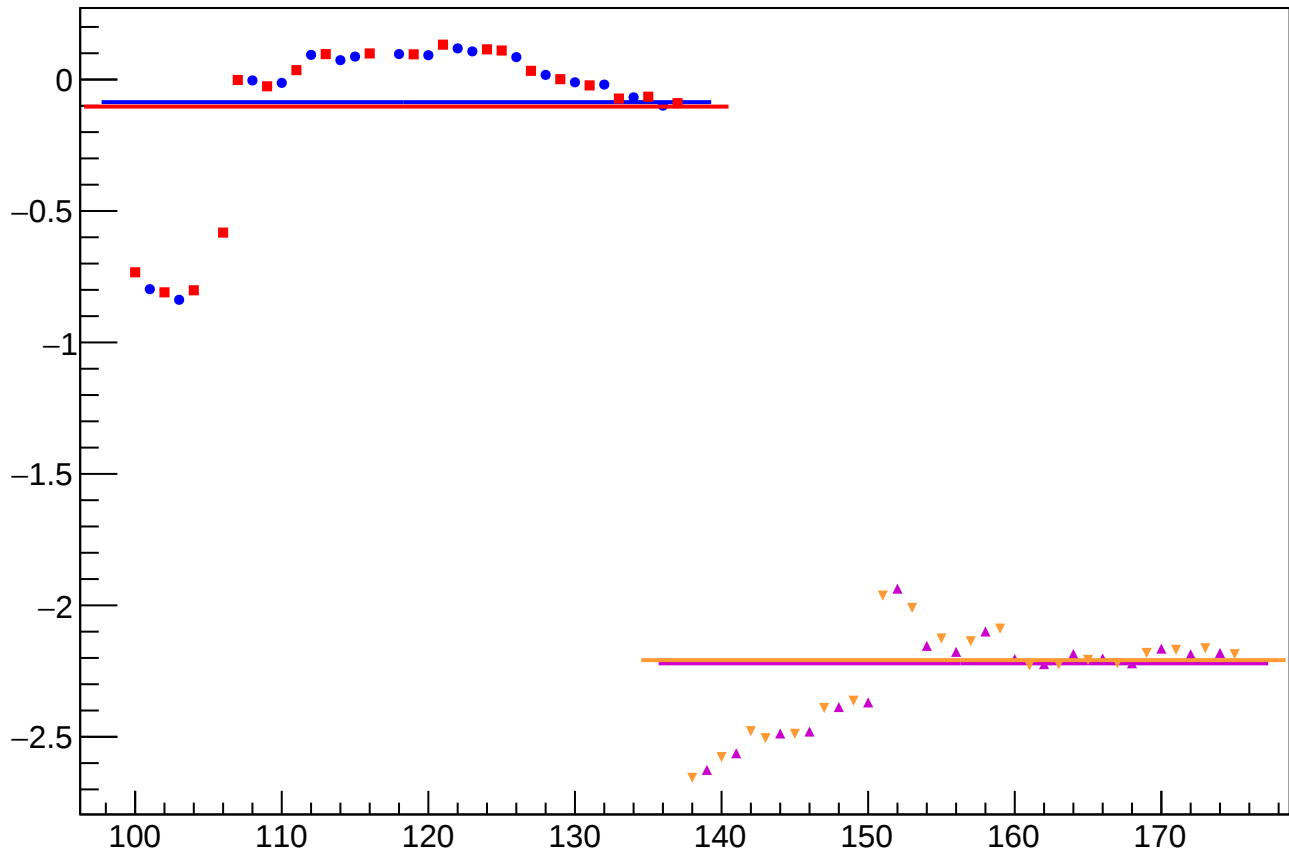
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 683062.8/17

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1627387.0/36

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2929629.3/73

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1301650.4/36

yield_bpm1i02X_mean vs Slug



Right In: -0.086 ± 0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.208 ± 0.000 χ^2/NDF : 3470218836.0/19

Right Out: -0.103 ± 0.000 χ^2/NDF : 5553039516.7/18

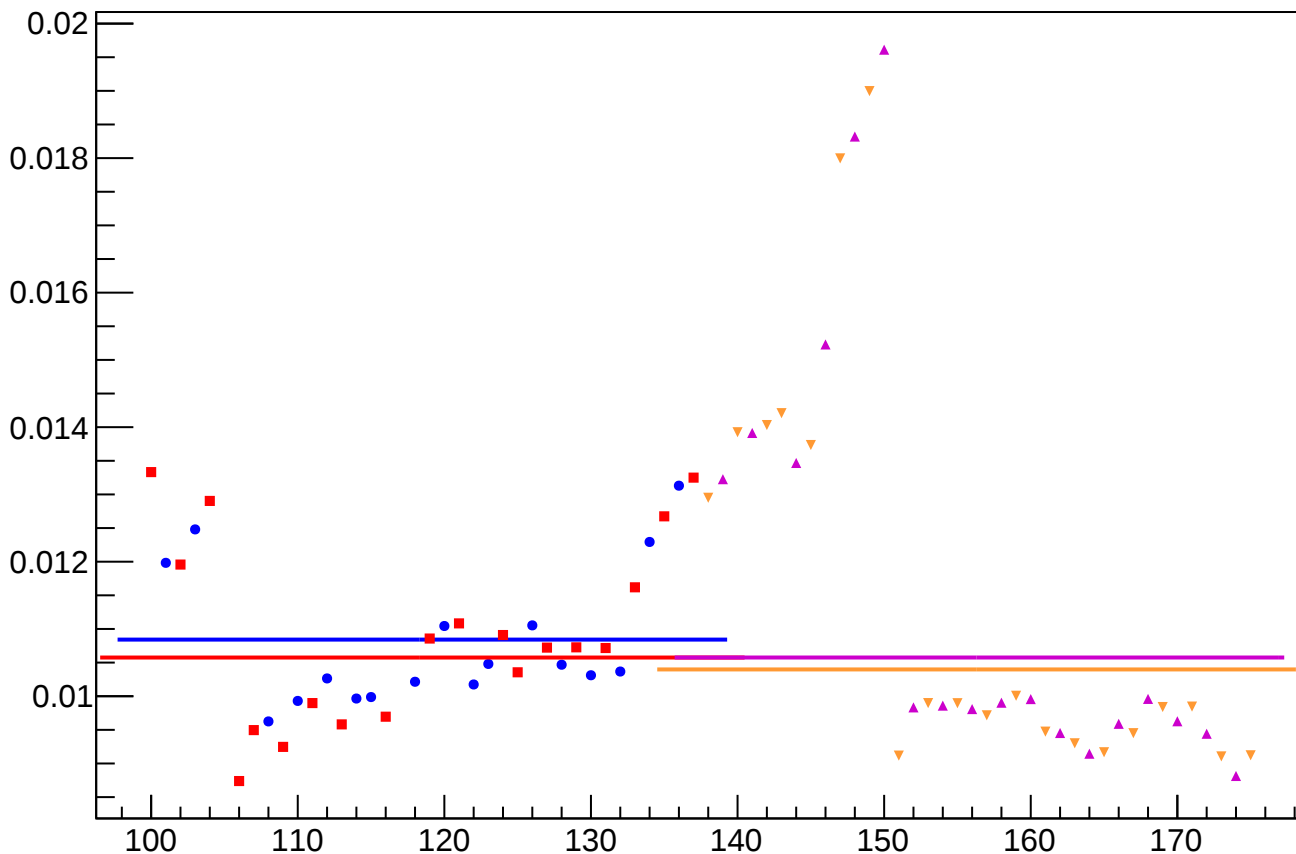
Left In: -2.221 ± 0.000 χ^2/NDF : 2755136969.0/17

+ sign -1.574 ± 0.000 χ^2/NDF : 186766997338.6/36

All: -1.531 ± 0.000 χ^2/NDF : 379492885006.3

- sign -1.486 ± 0.000 χ^2/NDF : 192018349856.3/36

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.010+/-0.000 χ^2/NDF : 1197944.5/19

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

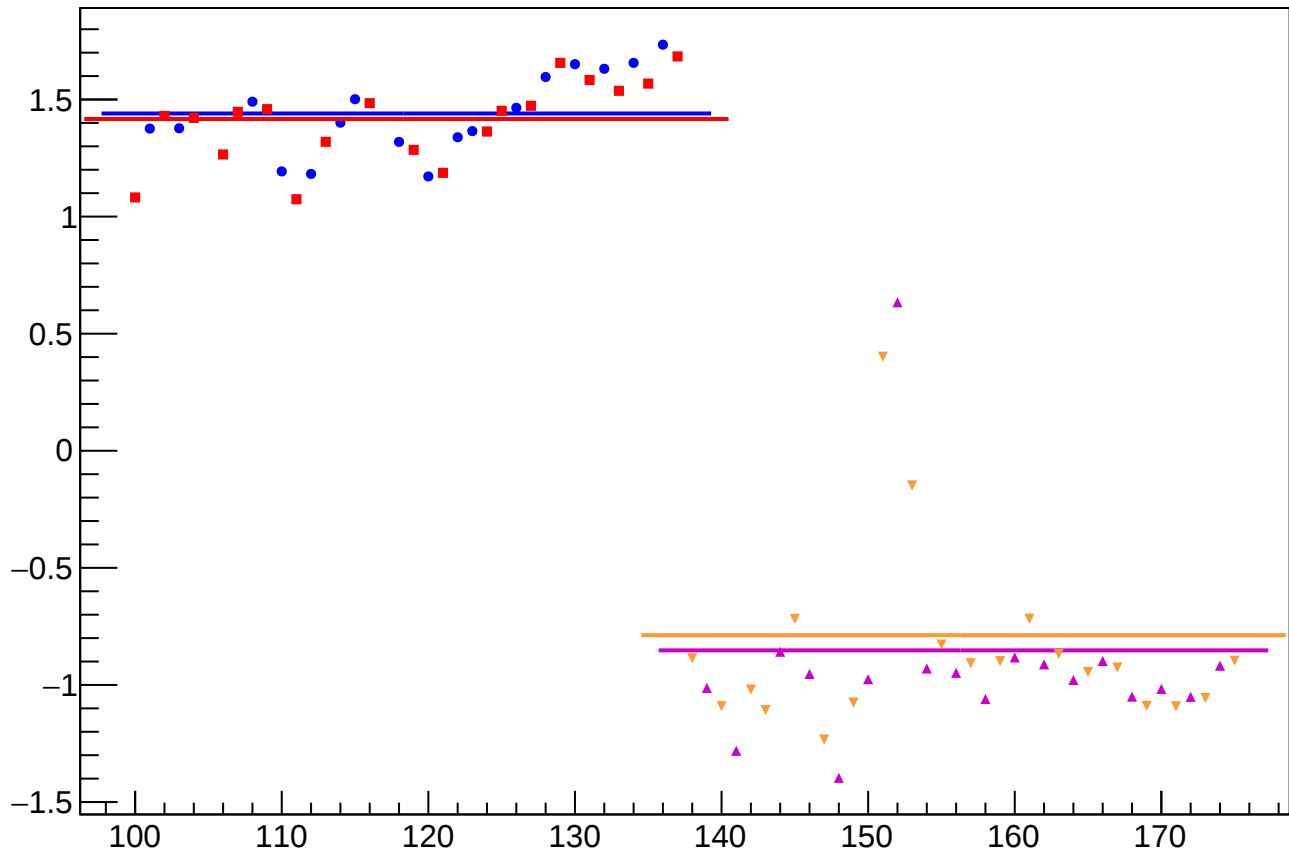
Left In: 0.011+/-0.000 χ^2/NDF : 1237363.8/17

+ sign 0.011+/-0.000 χ^2/NDF : 1337787.8/36

All: 0.011+/-0.000 χ^2/NDF : 2754485.6/73

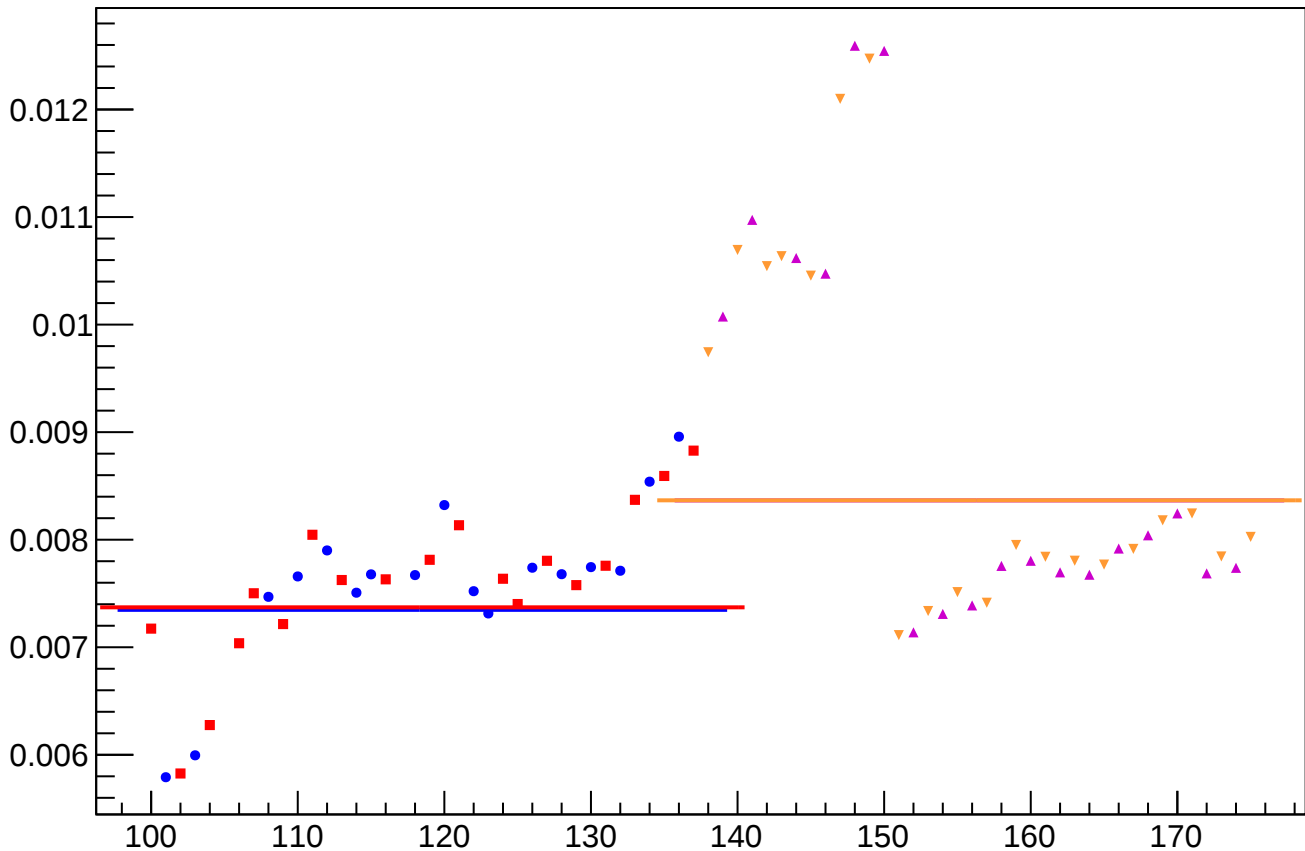
- sign 0.011+/-0.000 χ^2/NDF : 1416331.2/36

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000	χ^2 /NDF: 3449252780.8/16	+ sign 0.037 $\pm$ 0.000	χ^2 /NDF: 419941606015.0/36
Left Out: -0.787 $\pm$ 0.000	χ^2 /NDF: 34948846518.2/19	All: 0.048 $\pm$ 0.000	χ^2 /NDF: 861588894026.6
Right Out: 1.417 $\pm$ 0.000	χ^2 /NDF: 2674064512.3/18	- sign 0.060 $\pm$ 0.000	χ^2 /NDF: 441560199617.0/36
Left In: -0.852 $\pm$ 0.000	χ^2 /NDF: 41319543327.7/17		

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 : 752085.9/19

Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

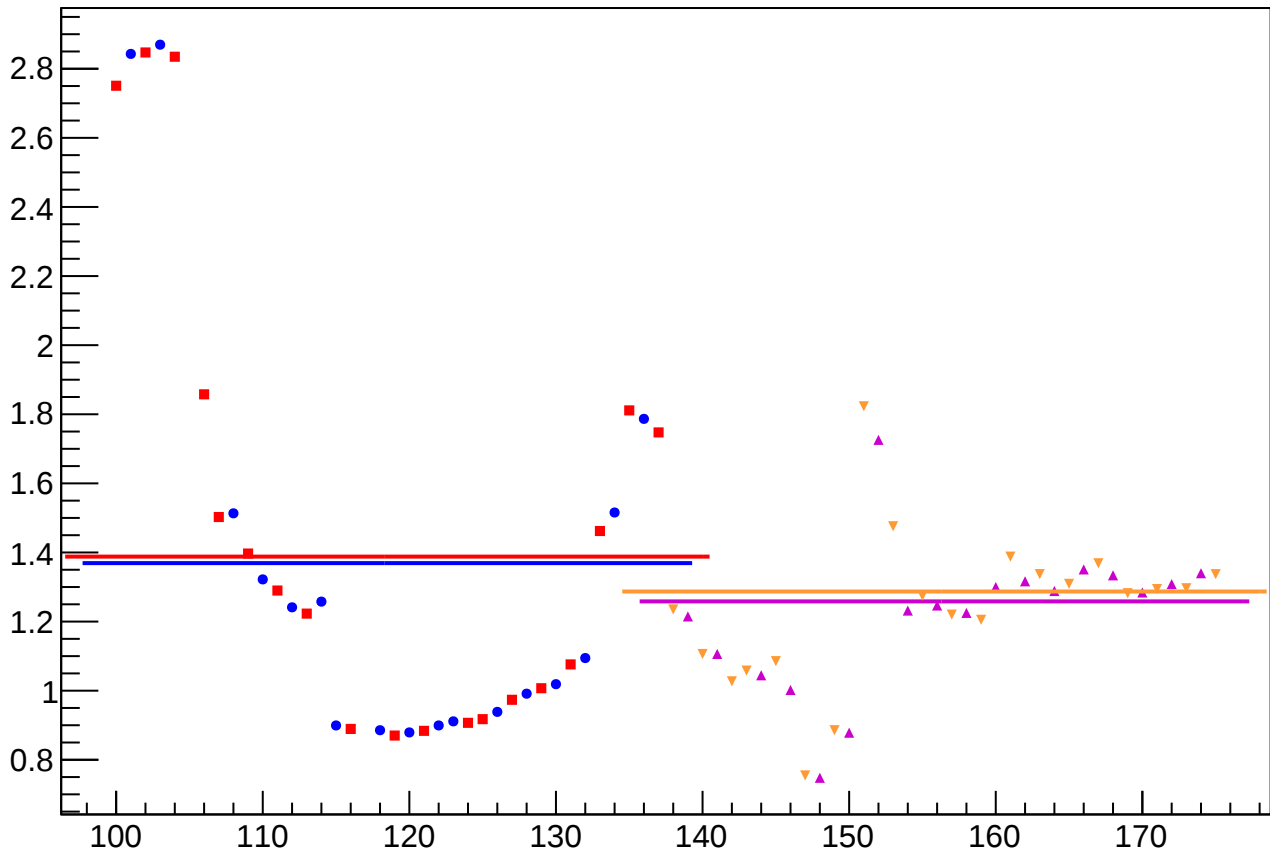
Left In: 0.008+/-0.000 χ^2/NDF : 826562.6/17

+ sign 0.008+/-0.000 χ^2/NDF : 1139732.7/36

All: 0.008+/-0.000 χ^2/NDF : 2291747.5/73

- sign 0.008+/-0.000 χ^2/NDF : 1151829.5/36

yield_bpm1i04X_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.287+/-0.000 χ^2/NDF : 9154655599.2/19

Right Out: 1.388+/-0.000 χ^2/NDF : 49900245868.0/18

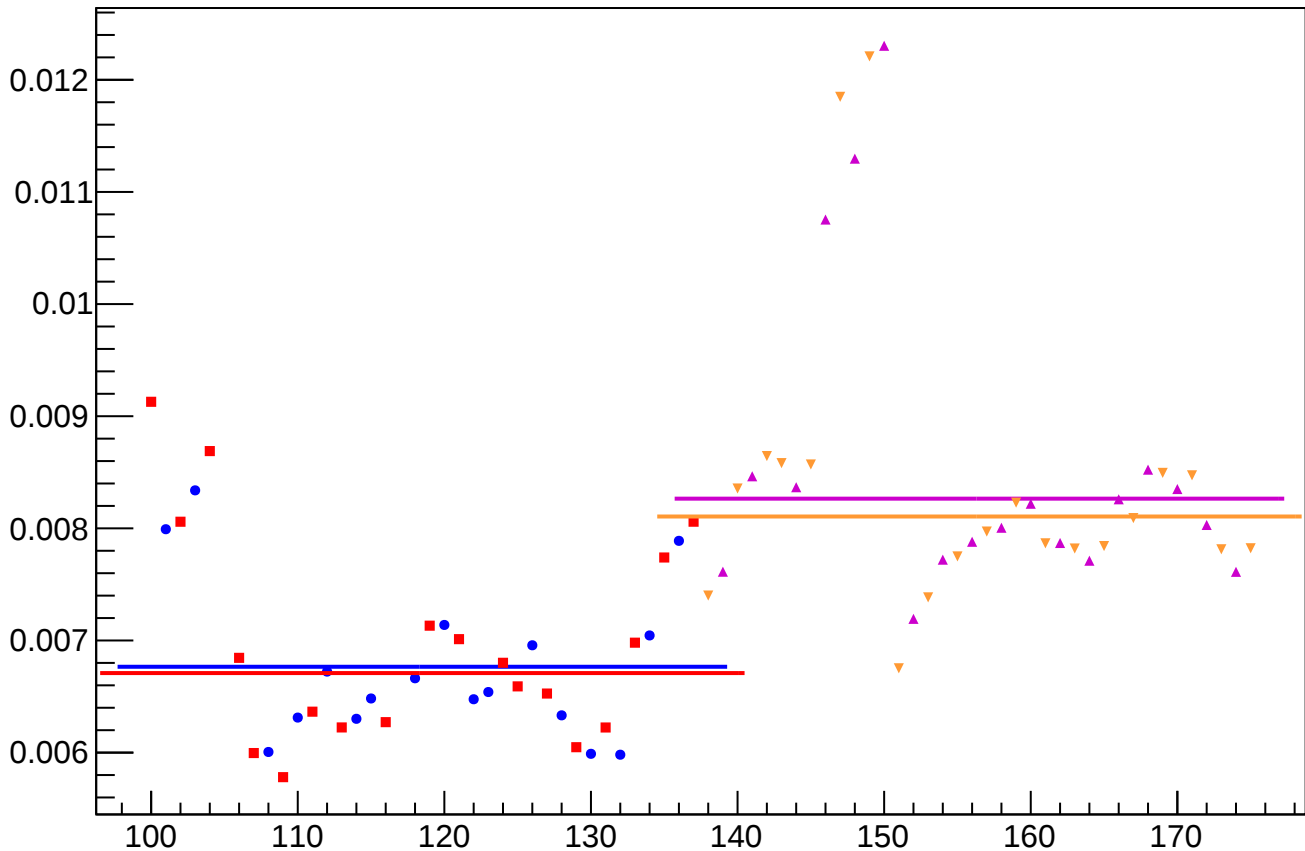
Left In: 1.258+/-0.000 χ^2/NDF : 7373998157.3/17

+ sign 1.320+/-0.000 χ^2/NDF : 63947373108.8/36

All: 1.318+/-0.000 χ^2/NDF : 122680387722.1

- sign 1.316+/-0.000 χ^2/NDF : 58730288416.2/36

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 : 421555.4/19

Right Out: 0.007+/-0.000 χ^2/NDF : 187826.7/18

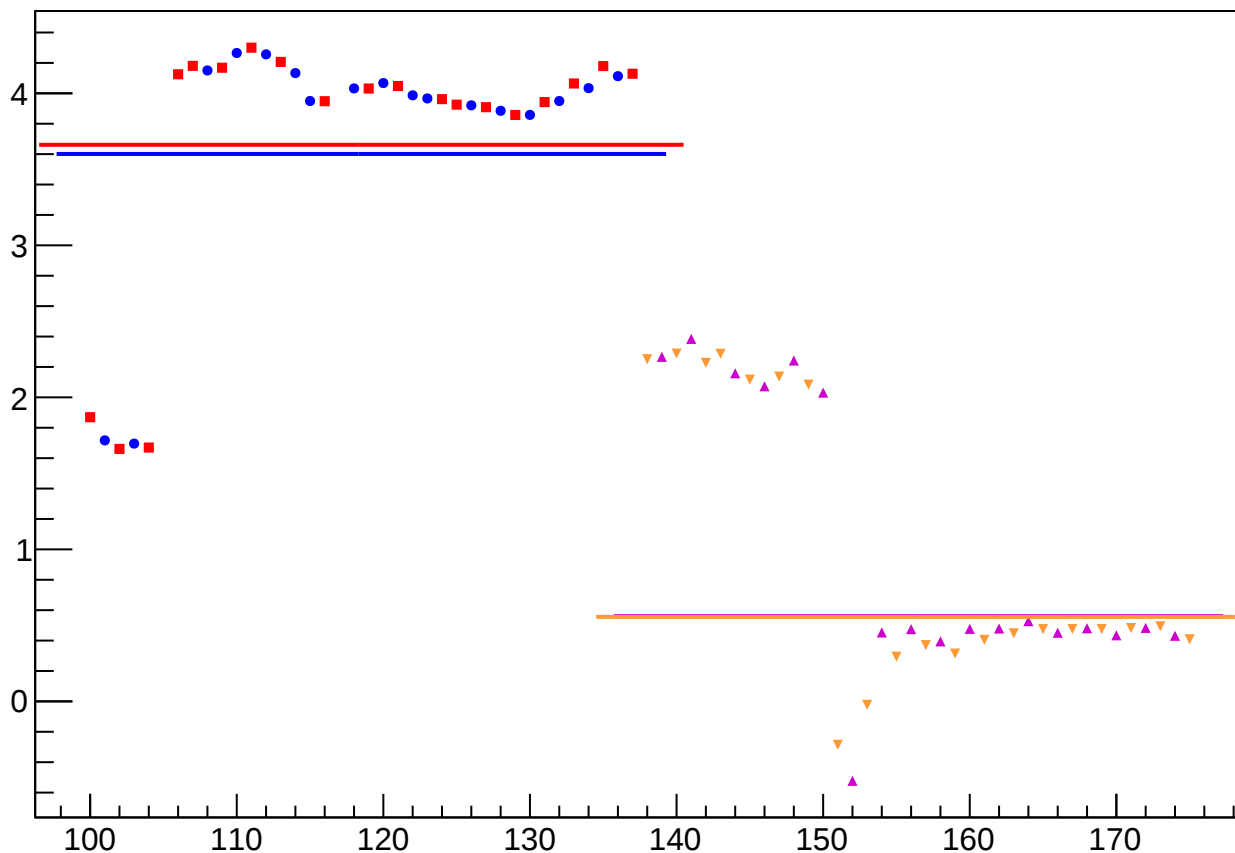
Left In: 0.008+/-0.000 χ^2/NDF : 442244.8/17

+ sign 0.008+/-0.000 χ^2/NDF : 893600.6/36

All: 0.008+/-0.000 χ^2/NDF : 1943051.1/73

- sign 0.008+/-0.000 χ^2/NDF : 1049446.0/36

yield_bpm1i04Y_mean vs Slug



Right In: 3.601 $\pm$ 0.000 χ^2 /NDF: 185806937655.3/16

Left Out: 0.556 $\pm$ 0.000 χ^2 /NDF: 259339027700.1/19

Right Out: 3.661 $\pm$ 0.000 χ^2 /NDF: 192519897222.5/18

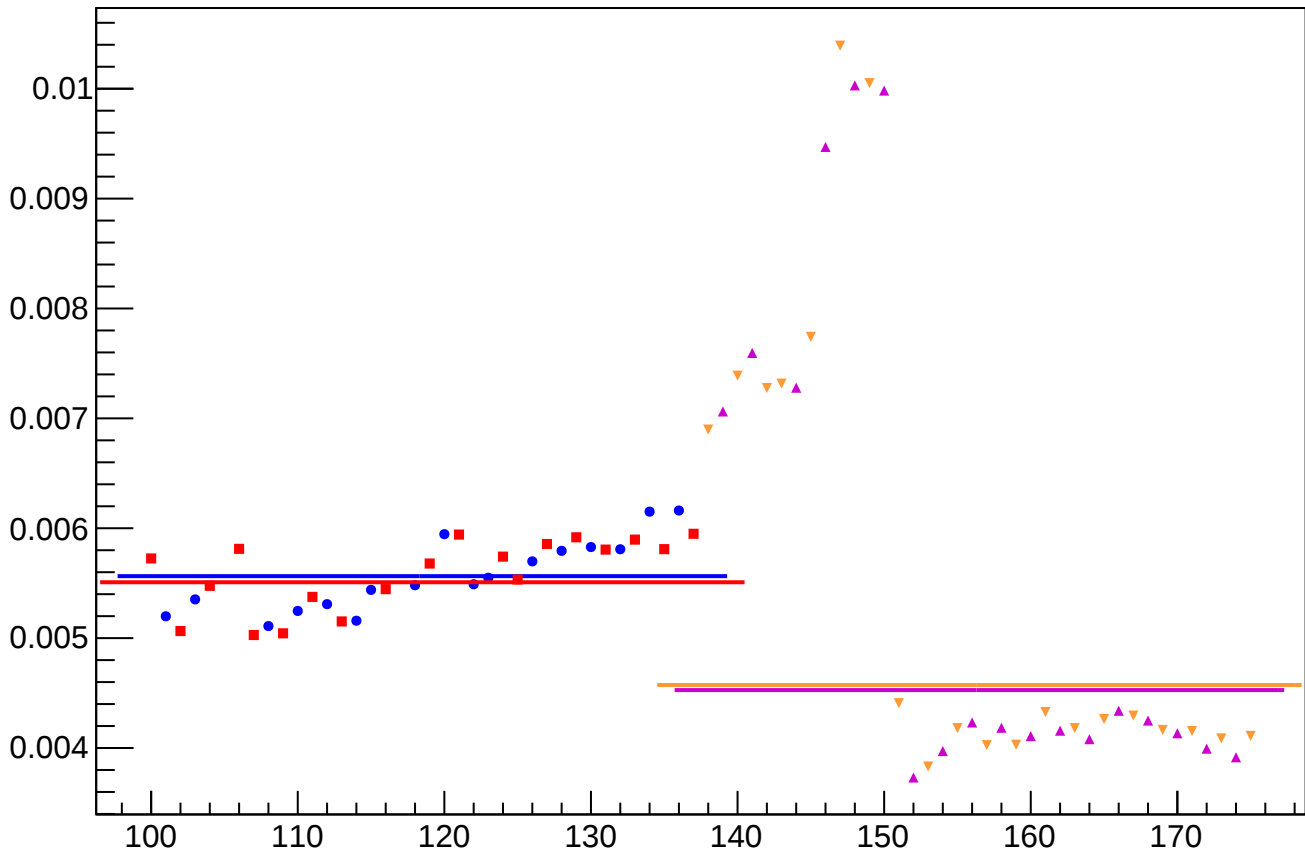
Left In: 0.561 $\pm$ 0.000 χ^2 /NDF: 255798824303.1/17

+ sign 1.324 $\pm$ 0.000 χ^2 /NDF: 1942491281409.3/36

All: 1.369 $\pm$ 0.000 χ^2 /NDF: 3990194631047.3

- sign 1.416 $\pm$ 0.000 χ^2 /NDF: 2044116628906.4/36

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:2016381.9/19

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 52634.8/18

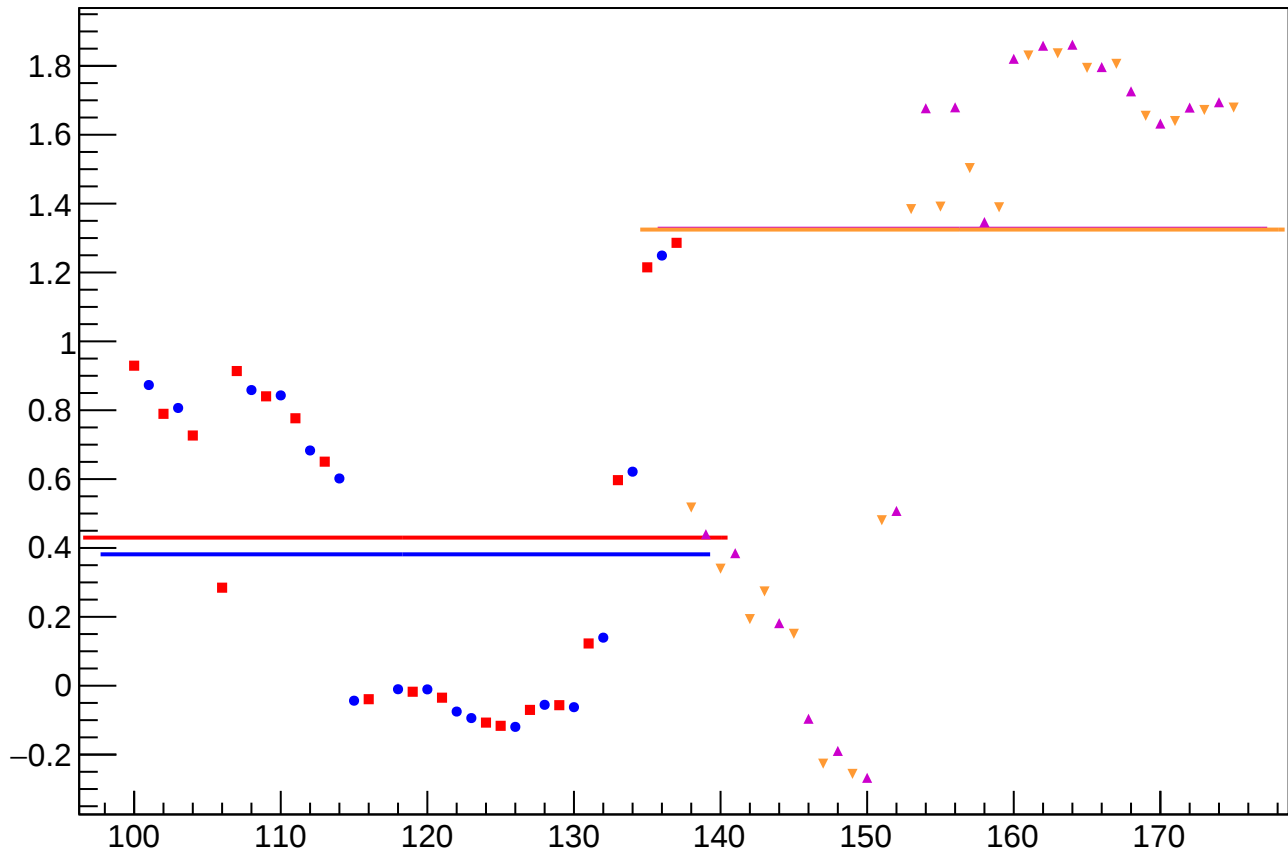
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:2216613.4/17

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2380878.9/36

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 4970457.8/73

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2589030.8/36

yield_bpm1i06X_mean vs Slug



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 7124759123.1/16

Left Out: 1.325 $\pm$ 0.000 χ^2 /NDF: 42845382204.1/19

Right Out: 0.430 $\pm$ 0.000 χ^2 /NDF: 6676199135.9/18

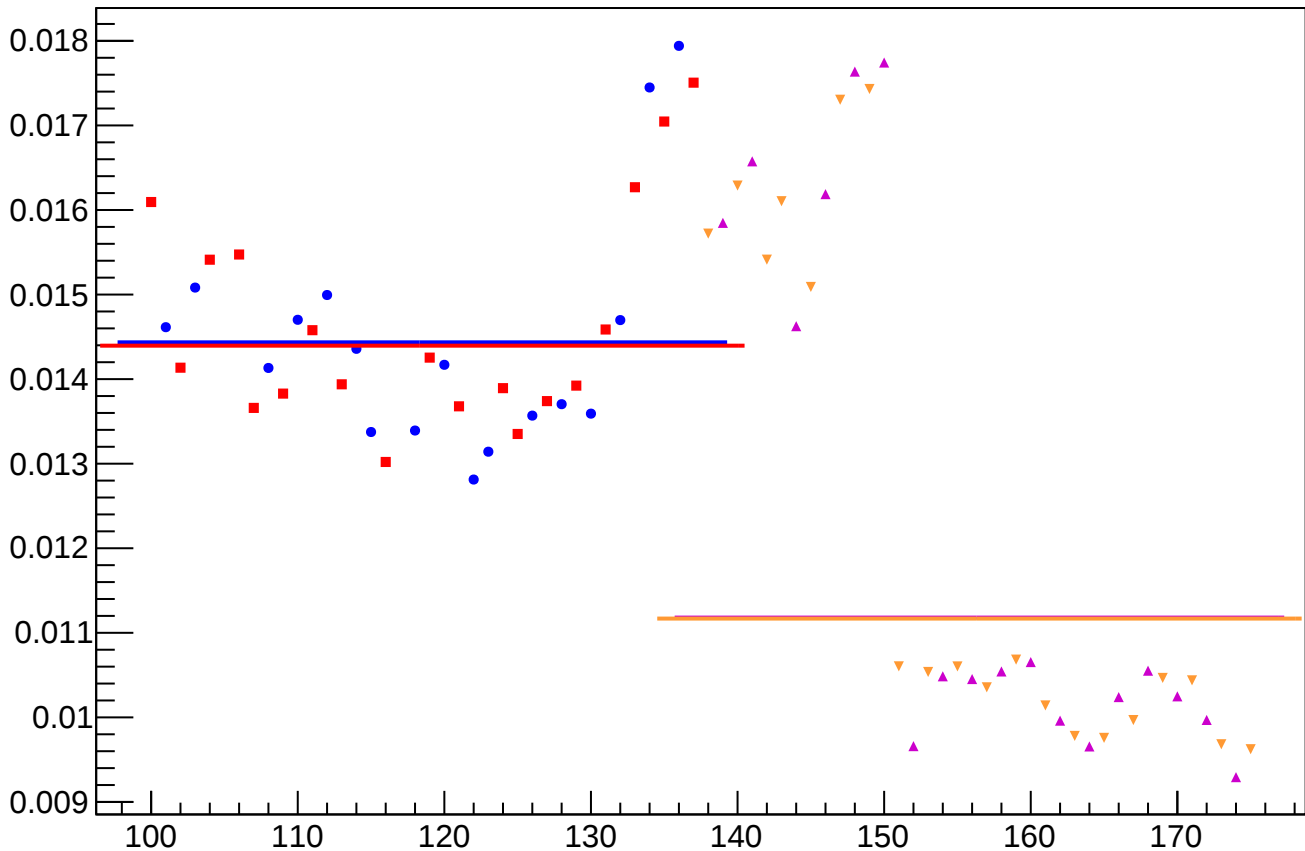
Left In: 1.327 $\pm$ 0.000 χ^2 /NDF: 47309525567.4/17

+ sign 1.119 $\pm$ 0.000 χ^2 /NDF: 72081561567.2/36

All: 1.115 $\pm$ 0.000 χ^2 /NDF: 146532416460.1

- sign 1.111 $\pm$ 0.000 χ^2 /NDF: 74445890021.5/36

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.011+/-0.000 χ^2/NDF :1175947.4/19

Right Out: 0.014+/-0.000 χ^2/NDF : 74531.6/18

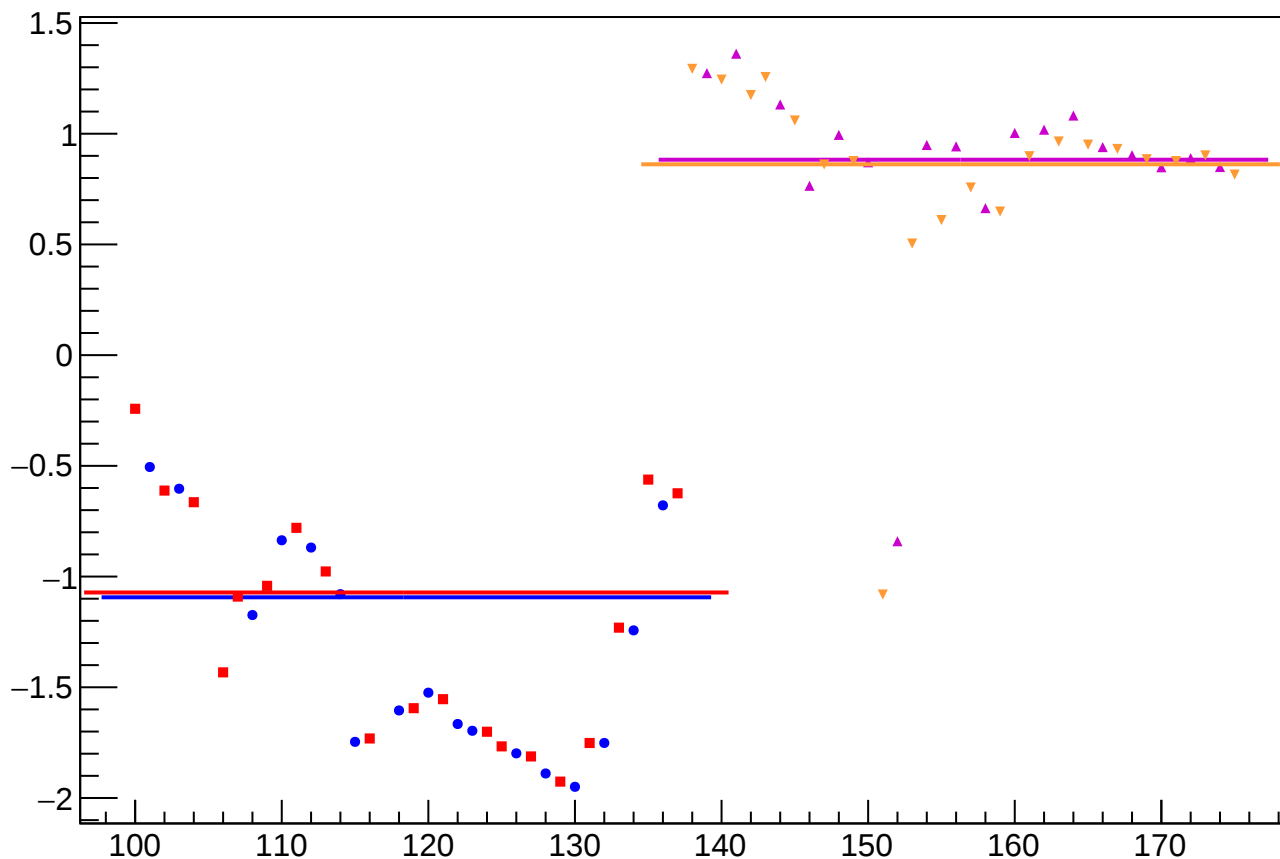
Left In: 0.011+/-0.000 χ^2/NDF :1213543.2/17

+ sign 0.012+/-0.000 χ^2/NDF : 1816743.9/36

All: 0.012+/-0.000 χ^2/NDF : 3631448.4/73

- sign 0.012+/-0.000 χ^2/NDF : 1813895.4/36

yield_bpm1i06Y_mean vs Slug



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.862+/-0.000 χ^2/NDF : 125036381654.9/19

Right Out: -1.072+/-0.000 χ^2/NDF : 46896017480.0/18

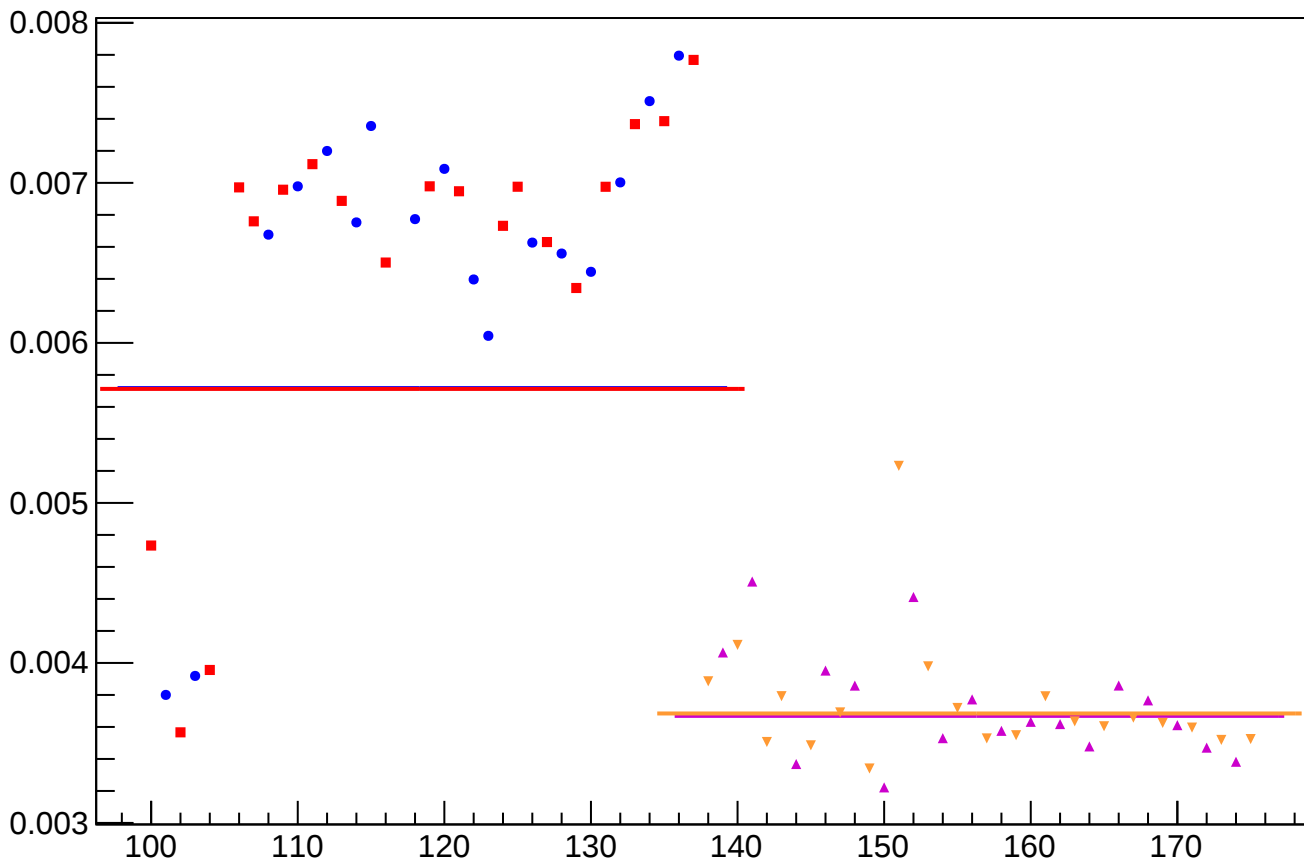
Left In: 0.883+/-0.000 χ^2/NDF : 145874560282.2/17

+ sign 0.561+/-0.000 χ^2/NDF : 768948849505.6/36

All: 0.558+/-0.000 χ^2/NDF : 1561825568427.

- sign 0.554+/-0.000 χ^2/NDF : 792842835723.6/36

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 :170837.5/19

Right Out: 0.006+/-0.000 χ^2/NDF : 923899.1/18

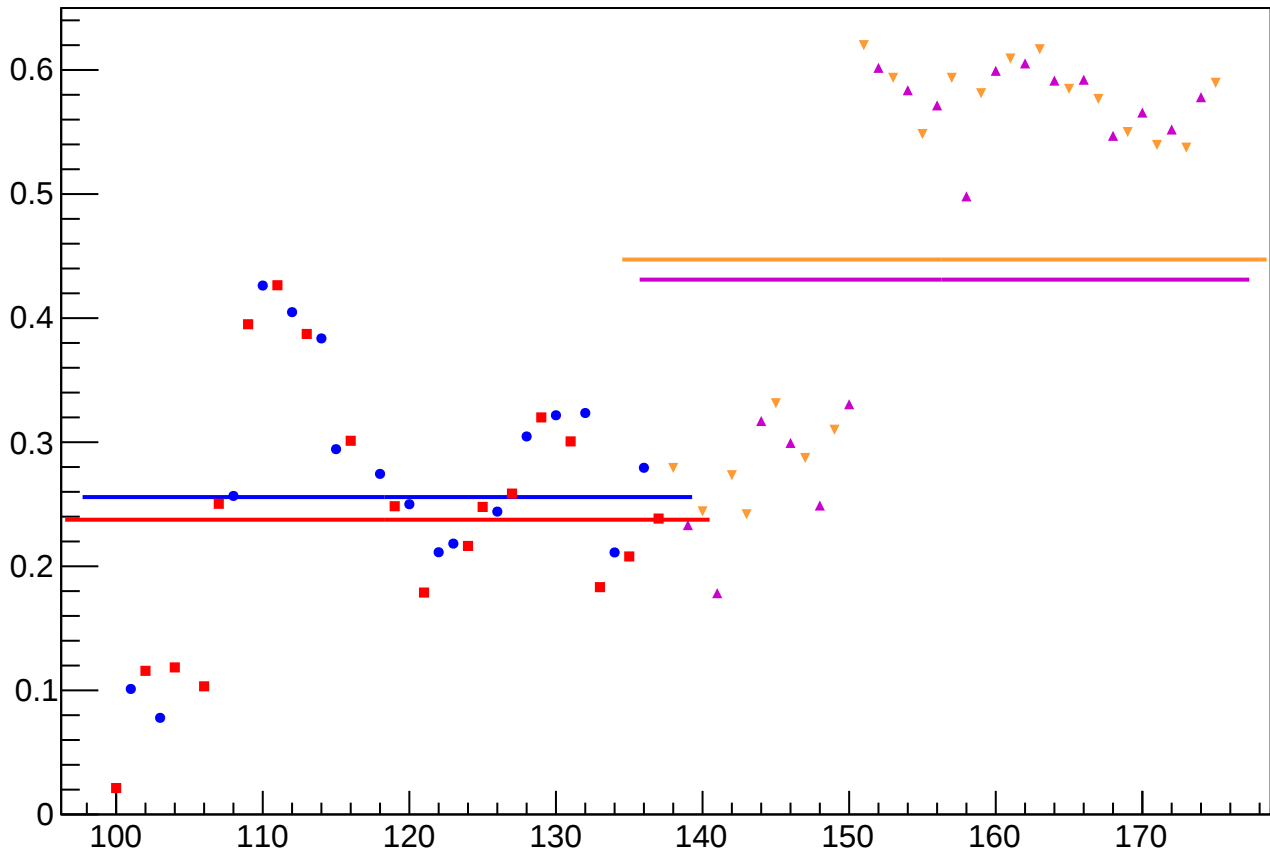
Left In: 0.004+/-0.000 χ^2/NDF :188340.9/17

+ sign 0.004+/-0.000 χ^2/NDF : 2279920.5/36

All: 0.004+/-0.000 χ^2/NDF : 4704063.5/73

- sign 0.004+/-0.000 χ^2/NDF : 2423830.7/36

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.447+/-0.000 χ^2/NDF : 90374253982.3/19

Right Out: 0.238+/-0.000 χ^2/NDF : 26057284646.9/18

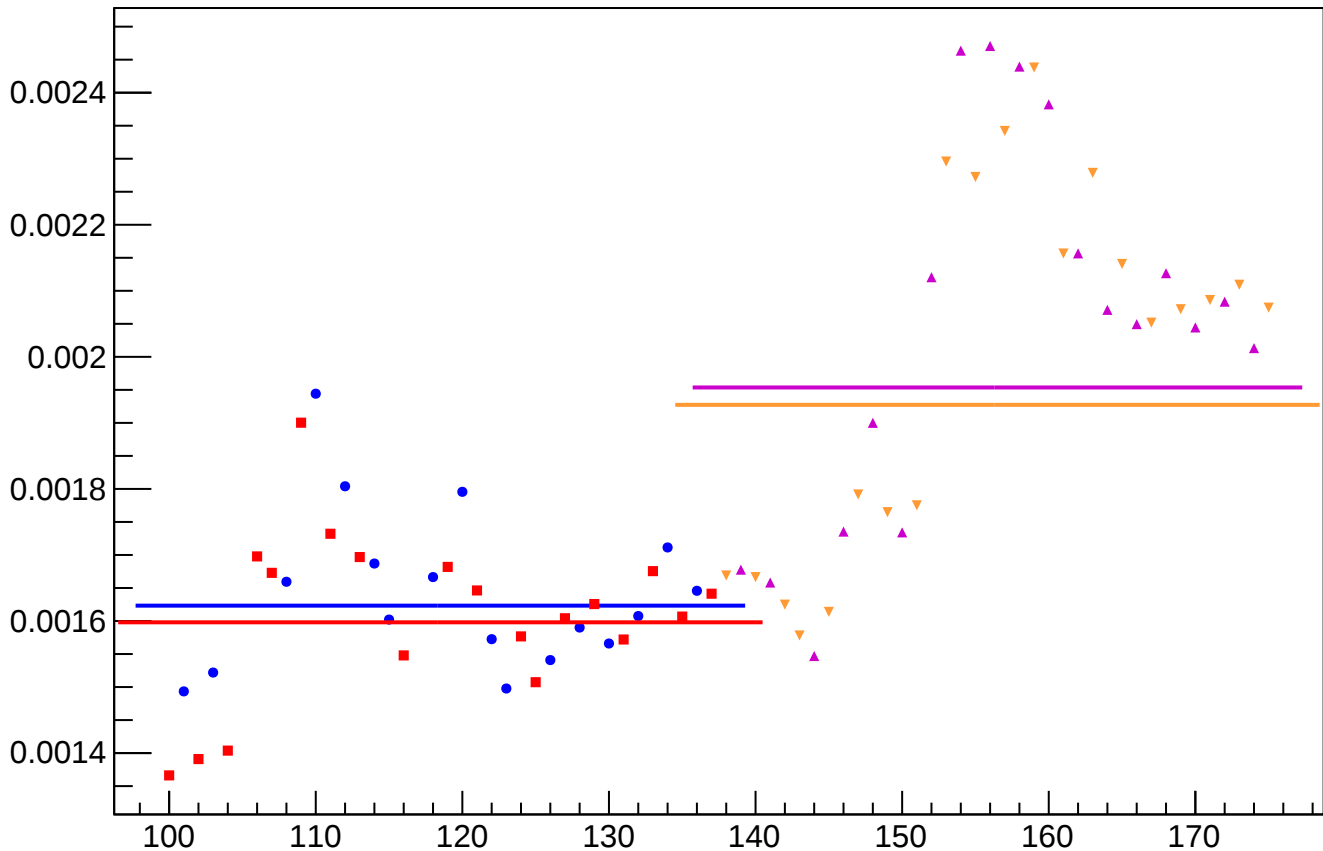
Left In: 0.431+/-0.000 χ^2/NDF : 87172959879.3/17

+ sign 0.374+/-0.000 χ^2/NDF : 166963960544.9/36

All: 0.360+/-0.000 χ^2/NDF : 339947370281.0

- sign 0.346+/-0.000 χ^2/NDF : 170642072694.1/36

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 : 561773.7/19

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

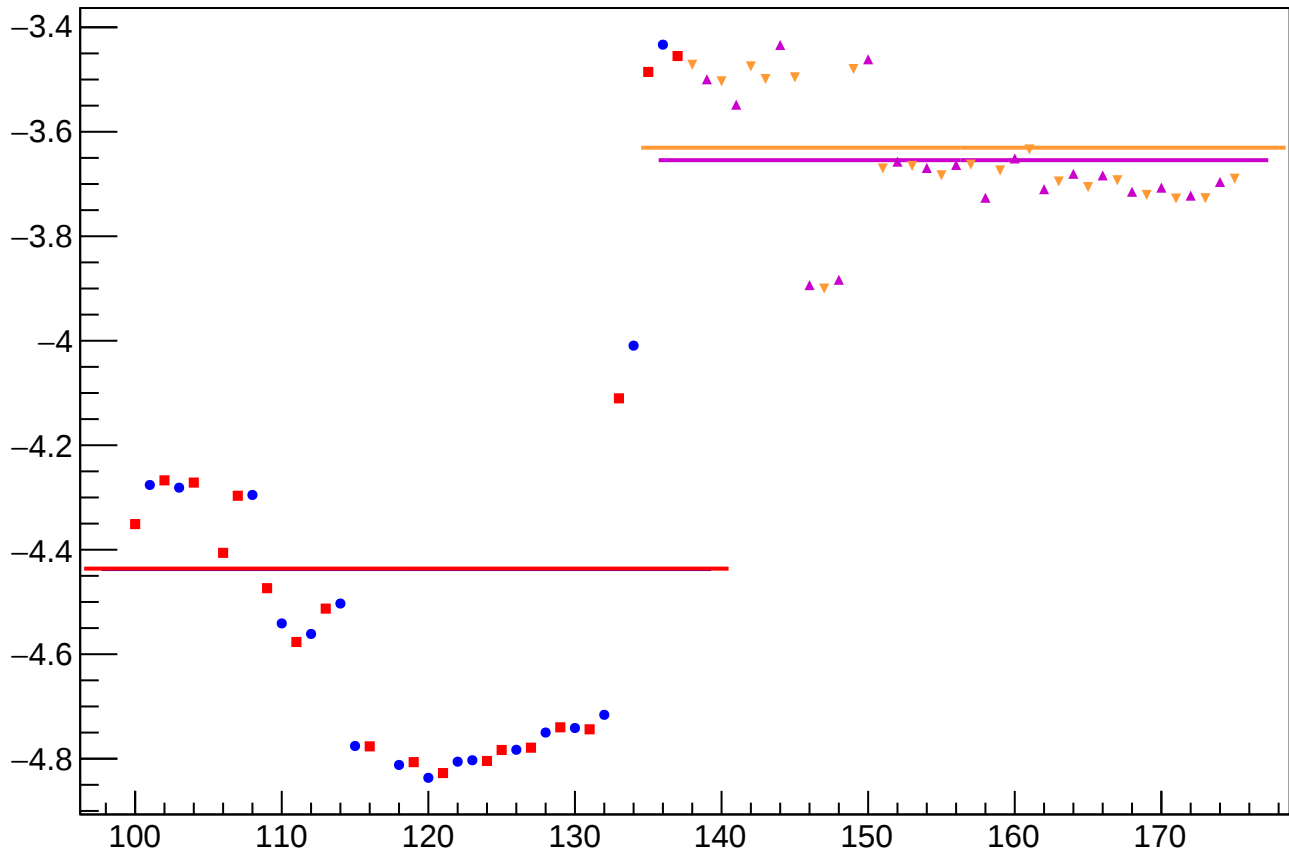
Left In: 0.002+/-0.000 χ^2/NDF : 564774.7/17

+ sign 0.002+/-0.000 χ^2/NDF : 892878.7/36

All: 0.002+/-0.000 χ^2/NDF : 1937192.5/73

- sign 0.002+/-0.000 χ^2/NDF : 1043348.8/36

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.630+/-0.000 χ^2/NDF : 40828381671.2/19

Right Out: -4.436+/-0.000 χ^2/NDF : 325183860699.4/18

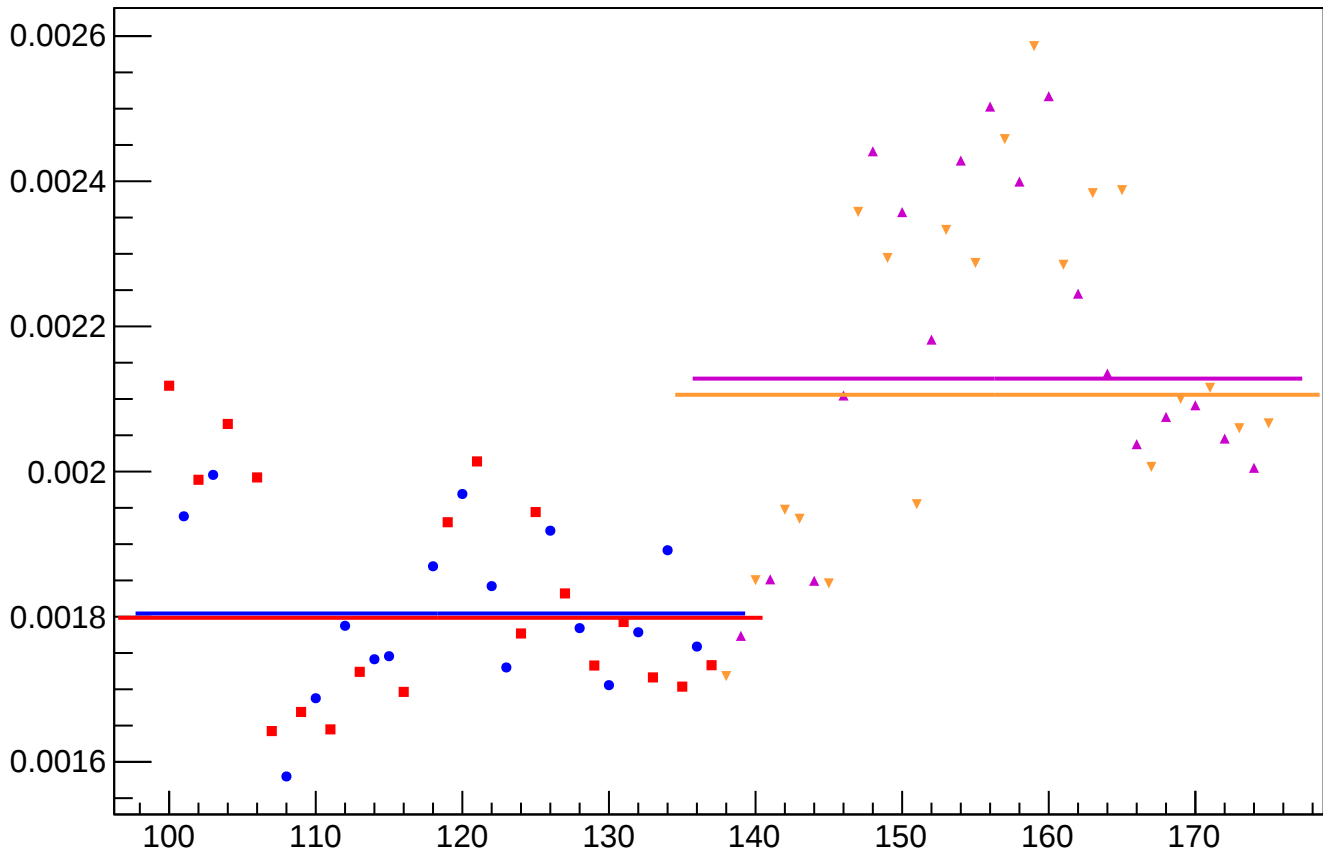
Left In: -3.654+/-0.000 χ^2/NDF : 46013869503.9/17

+ sign -3.936+/-0.000 χ^2/NDF : 1241138747059.0/3

All: -3.957+/-0.000 χ^2/NDF : 2376084643084

- sign -3.979+/-0.000 χ^2/NDF : 1130087654880.0/3

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 :344236.4/19

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

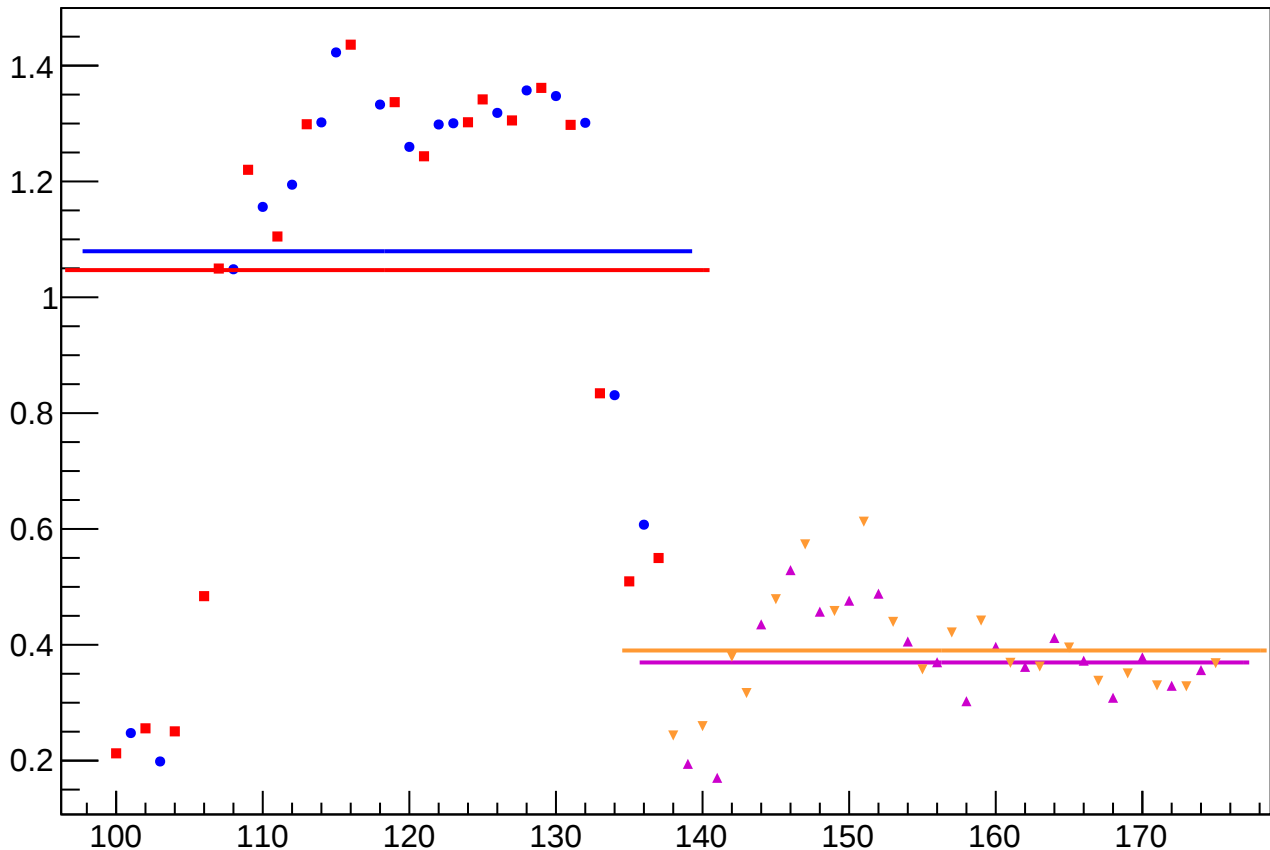
Left In: 0.002+/-0.000 χ^2/NDF :305111.0/17

+ sign 0.002+/-0.000 χ^2/NDF : 618830.1/36

All: 0.002+/-0.000 χ^2/NDF : 1274624.5/73

- sign 0.002+/-0.000 χ^2/NDF : 655793.1/36

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2/NDF : 17533321220.5/16

Left Out: 0.390 $\pm$ 0.000 χ^2/NDF :1380580609.9/19

Right Out: 1.047 $\pm$ 0.000 χ^2/NDF : 19683192379.0/18

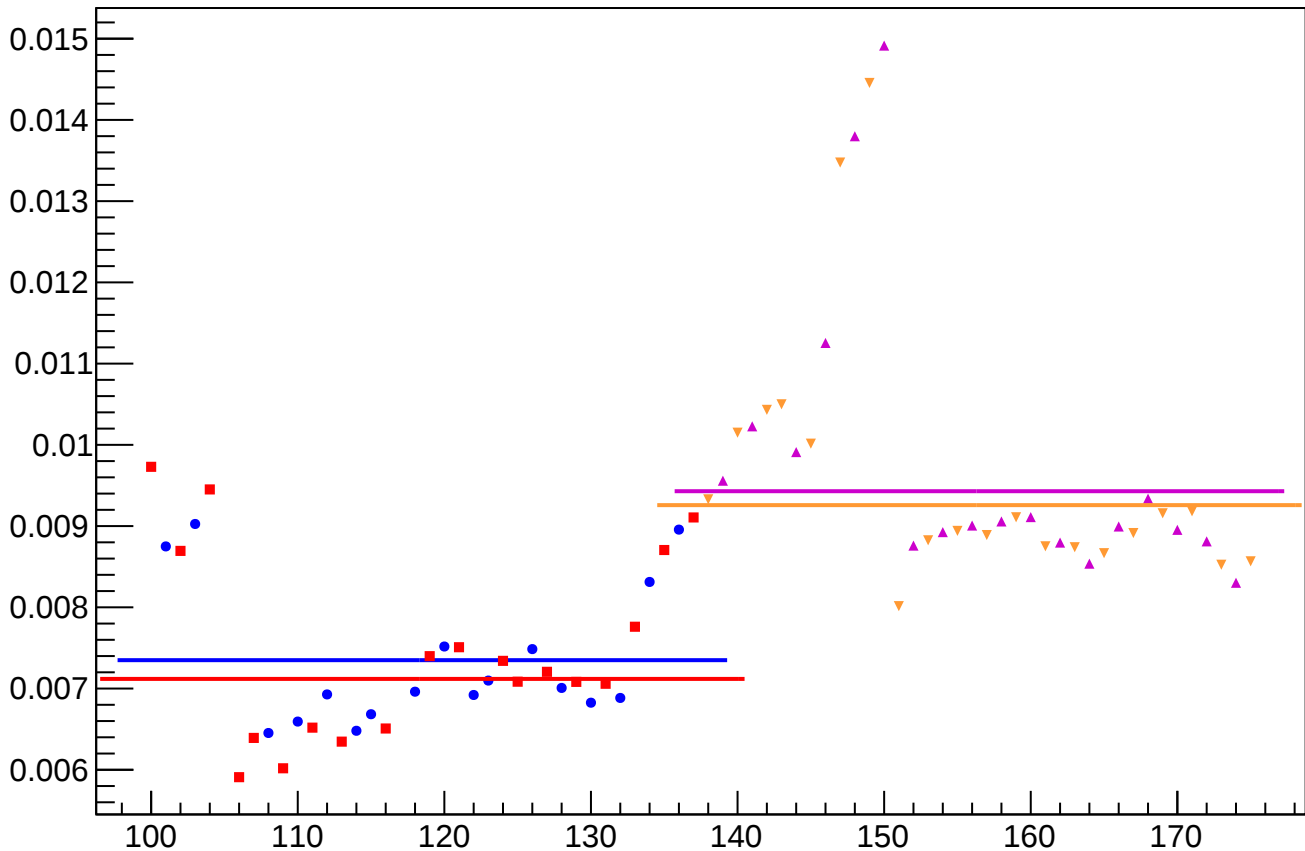
Left In: 0.370 $\pm$ 0.000 χ^2/NDF :1106335655.7/17

+ sign 0.677 $\pm$ 0.000 χ^2/NDF : 52828319723.0/36

All: 0.684 $\pm$ 0.000 χ^2/NDF : 106866870868.6

- sign 0.691 $\pm$ 0.000 χ^2/NDF : 54012357176.7/36

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 : 496499.7/19

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

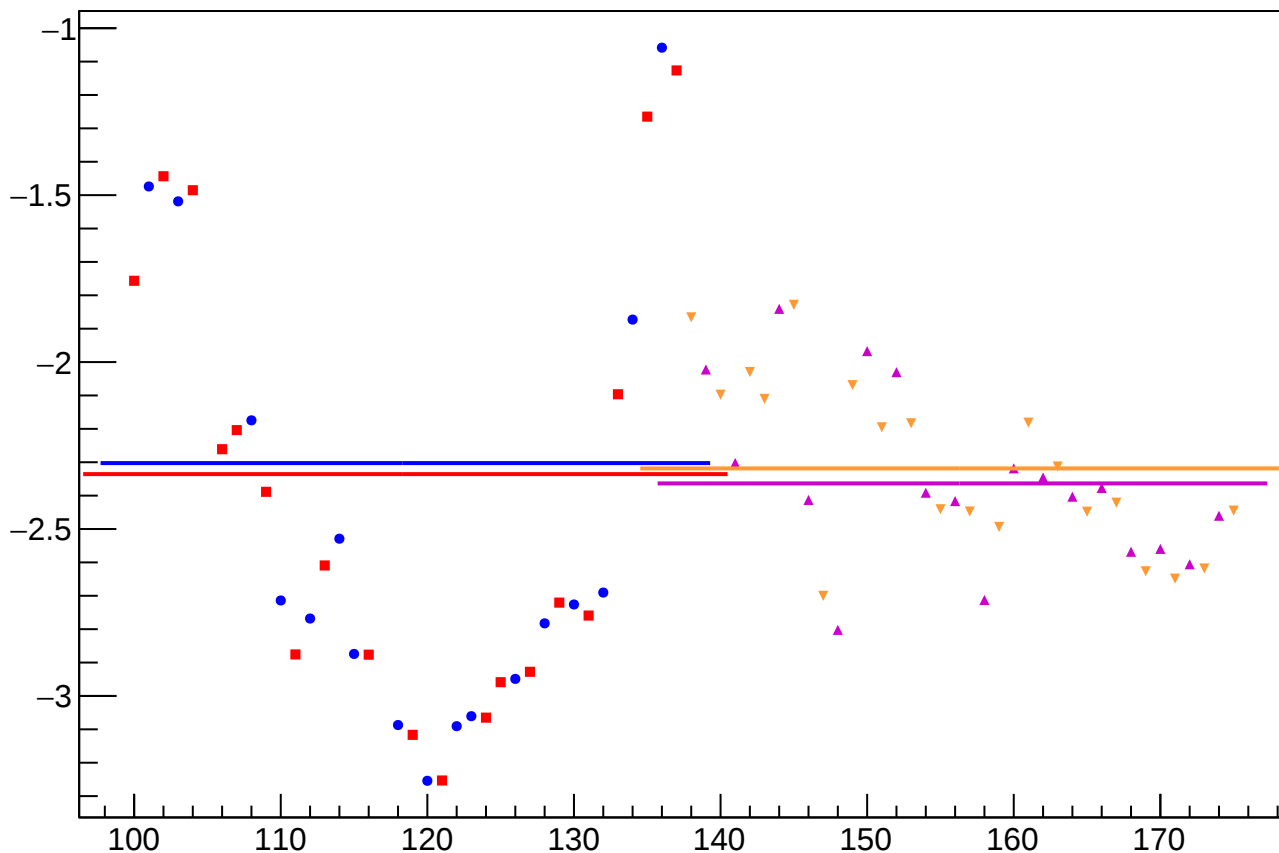
Left In: 0.009+/-0.000 χ^2/NDF : 535283.5/17

+ sign 0.008+/-0.000 χ^2/NDF : 1197275.3/36

All: 0.008+/-0.000 χ^2/NDF : 2769544.6/73

- sign 0.008+/-0.000 χ^2/NDF : 1567396.1/36

yield_bpm2i02Y_mean vs Slug



Right In: -2.303 ± 0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.319 ± 0.000 χ^2/NDF : 11825902160.2/19

Right Out: -2.336 ± 0.000 χ^2/NDF : 64499162456.4/18

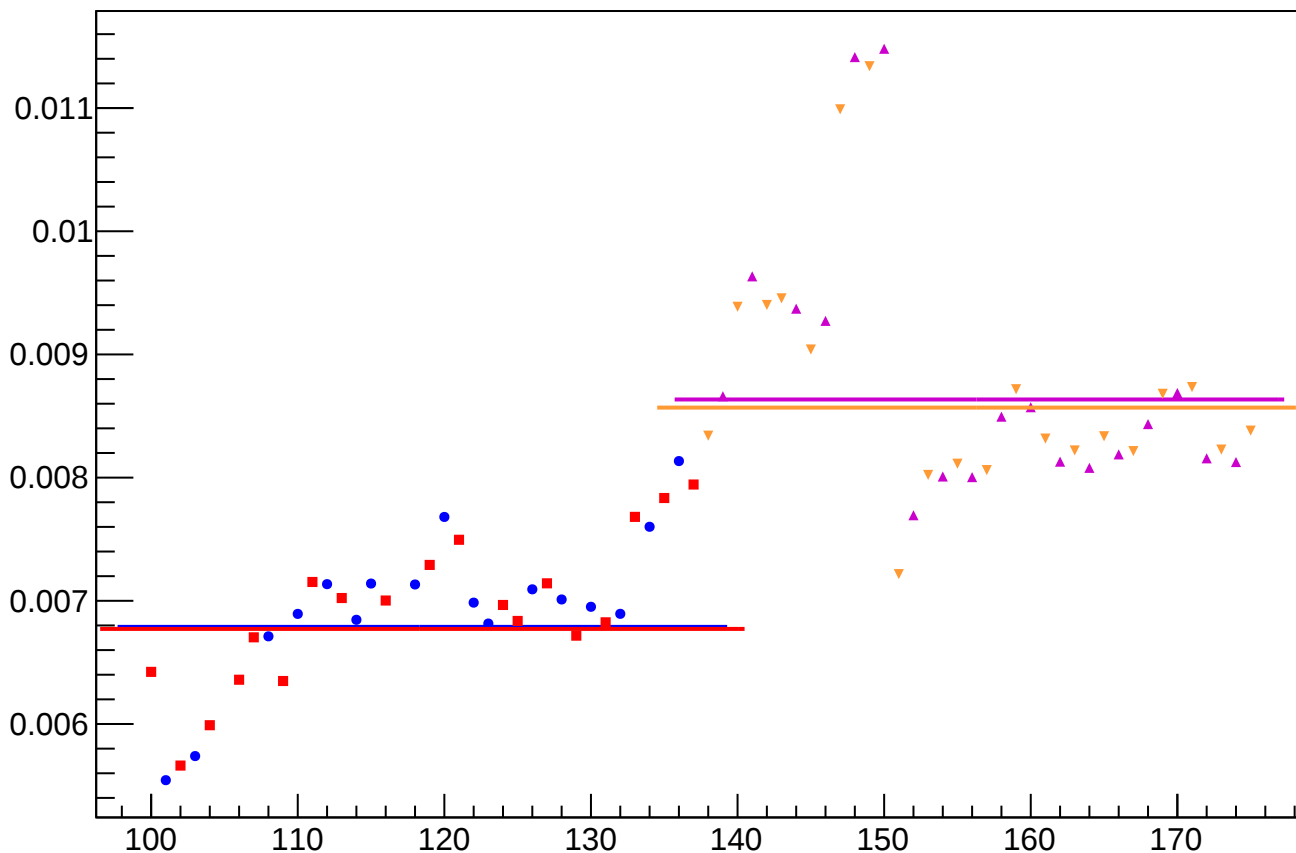
Left In: -2.363 ± 0.000 χ^2/NDF : 10633586135.6/17

+ sign -2.312 ± 0.000 χ^2/NDF : 85603300419.0/36

All: -2.331 ± 0.000 χ^2/NDF : 161059080081.9

- sign -2.351 ± 0.000 χ^2/NDF : 75197814660.5/36

yield_bpm2i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 165199.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:293959.4/19

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 123244.0/18

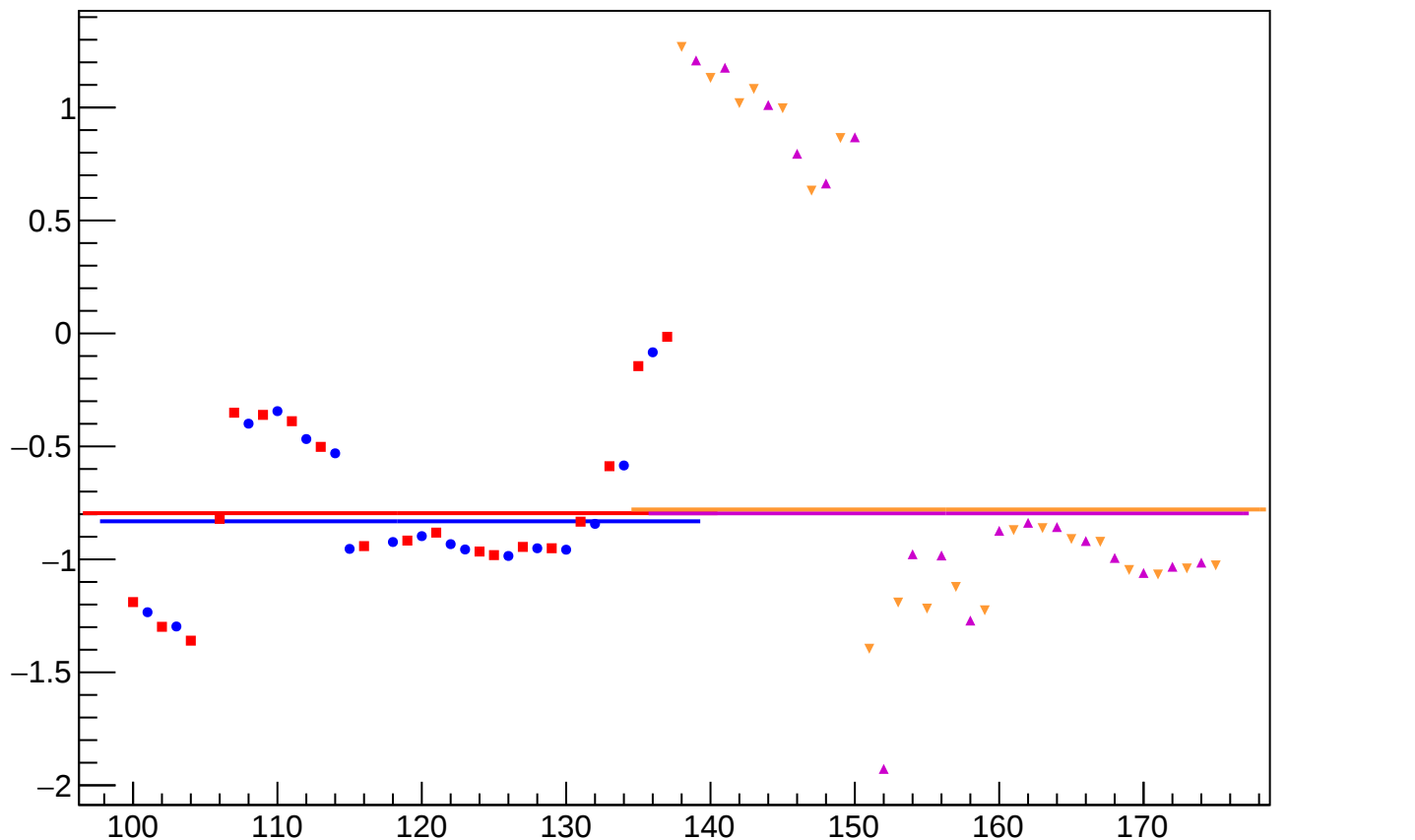
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:309031.4/17

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 991998.1/36

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2006509.8/73

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1013946.5/36

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.779 ± 0.000 χ^2/NDF : 118458736738.2/19

Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

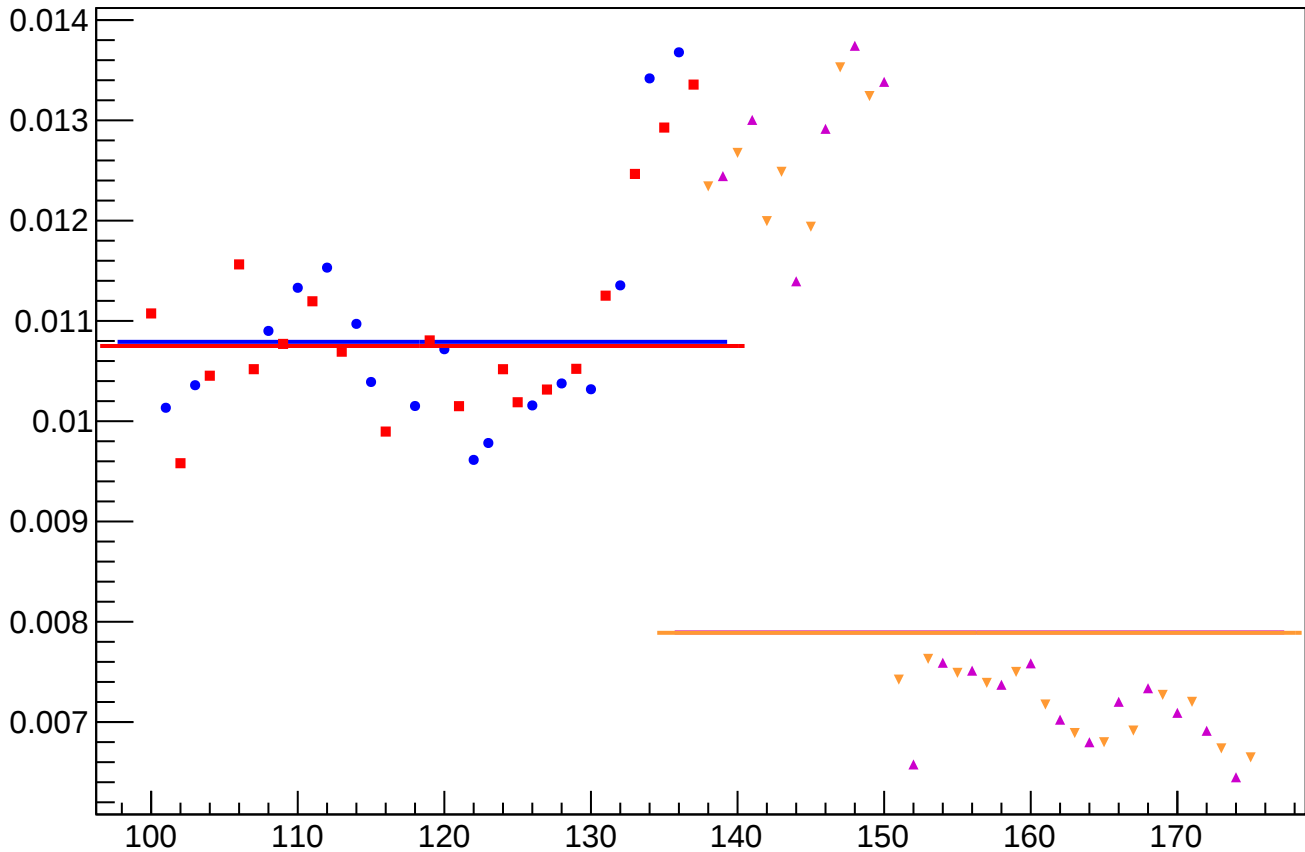
Left In: -0.796 ± 0.000 χ^2/NDF : 123358425559.3/17

+ sign -0.790 ± 0.000 χ^2/NDF : 125274411414.7/36

All: -0.793 ± 0.000 χ^2/NDF : 256460011645.2

- sign -0.796 ± 0.000 χ^2/NDF : 131180186794.0/36

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:1634571.0/19

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 90220.8/18

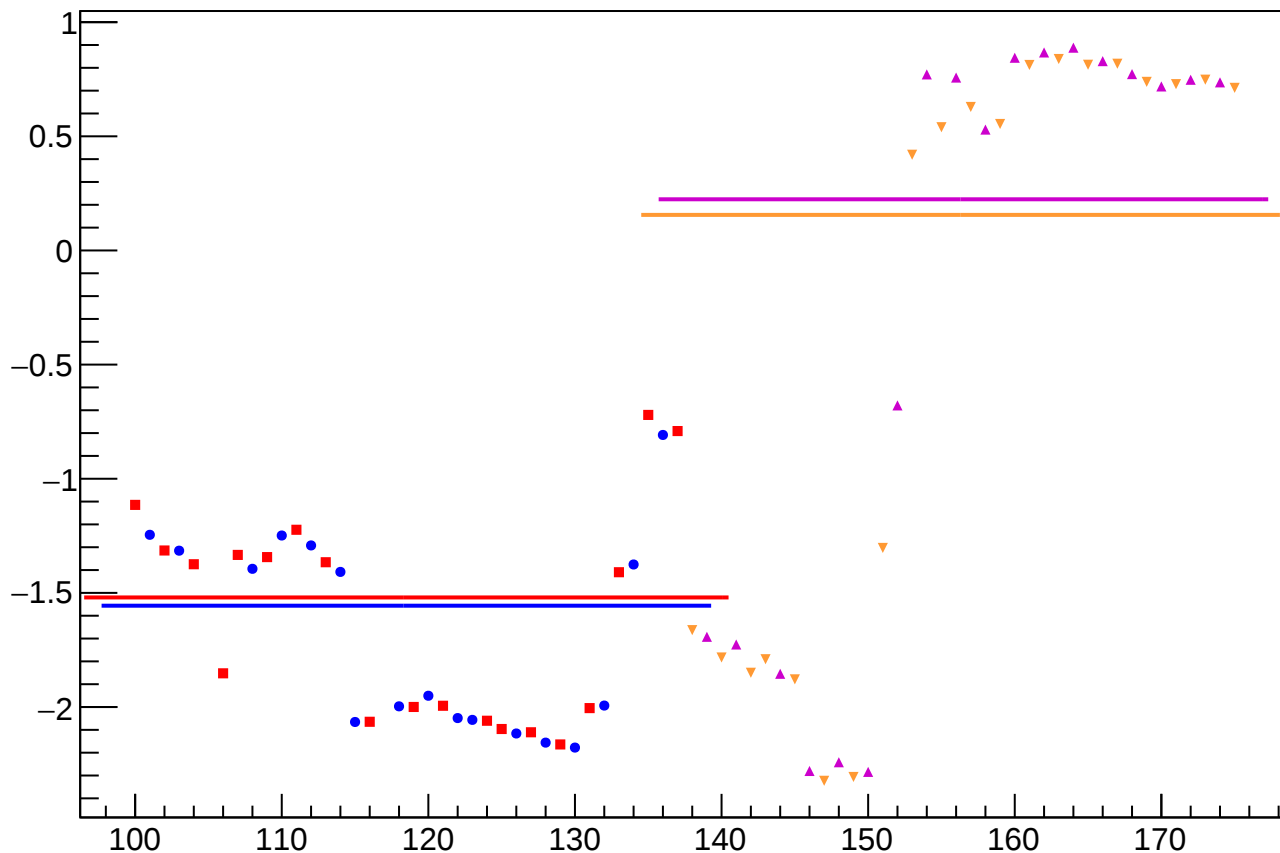
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1672965.7/17

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2518656.0/36

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 5037575.2/73

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2517934.4/36

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: 0.156+/-0.000 χ^2/NDF : 2365299031551.6/19

Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

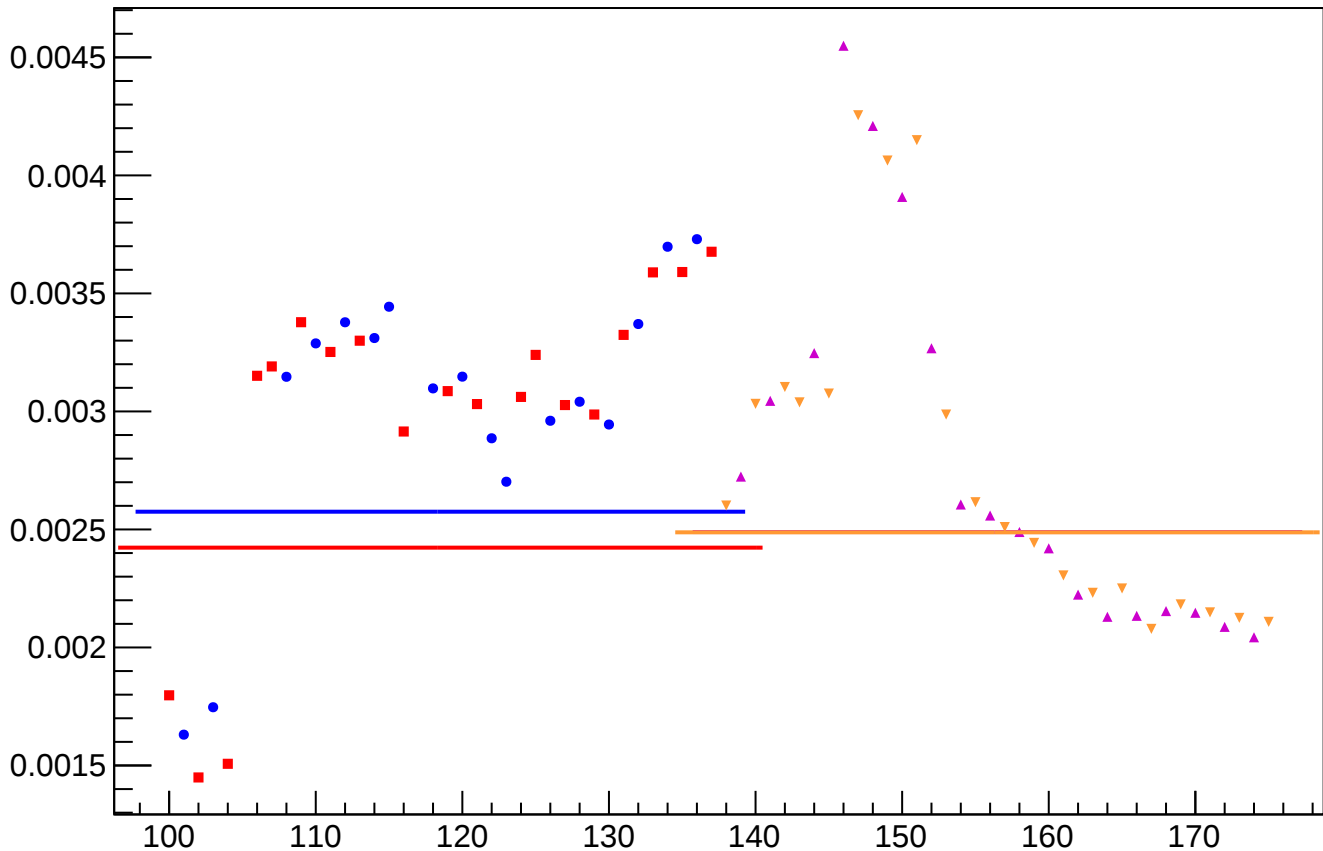
Left In: 0.224+/-0.000 χ^2/NDF : 2140462165395.8/17

+ sign -0.338+/-0.000 χ^2/NDF : 4300618070334.9/3

All: -0.347+/-0.000 χ^2/NDF : 8538909065067

- sign -0.357+/-0.000 χ^2/NDF : 4237725928315.2/3

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.002+/-0.000 χ^2/NDF :1043862.8/19

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

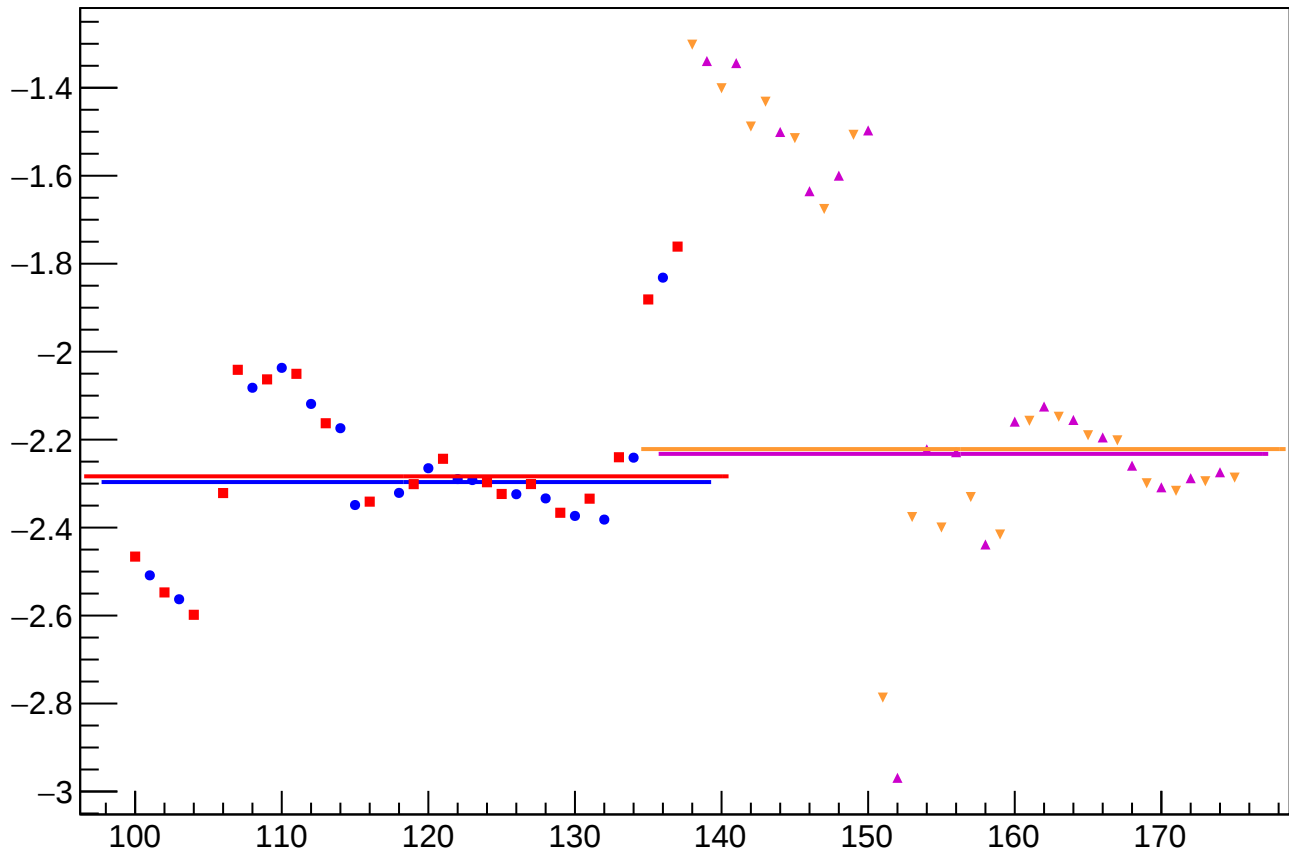
Left In: 0.002+/-0.000 χ^2/NDF :1113445.2/17

+ sign 0.003+/-0.000 χ^2/NDF : 2066970.5/36

All: 0.002+/-0.000 χ^2/NDF : 4682377.9/73

- sign 0.002+/-0.000 χ^2/NDF : 2609213.2/36

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.221+/-0.000 χ^2/NDF : 52576717150.2/19

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

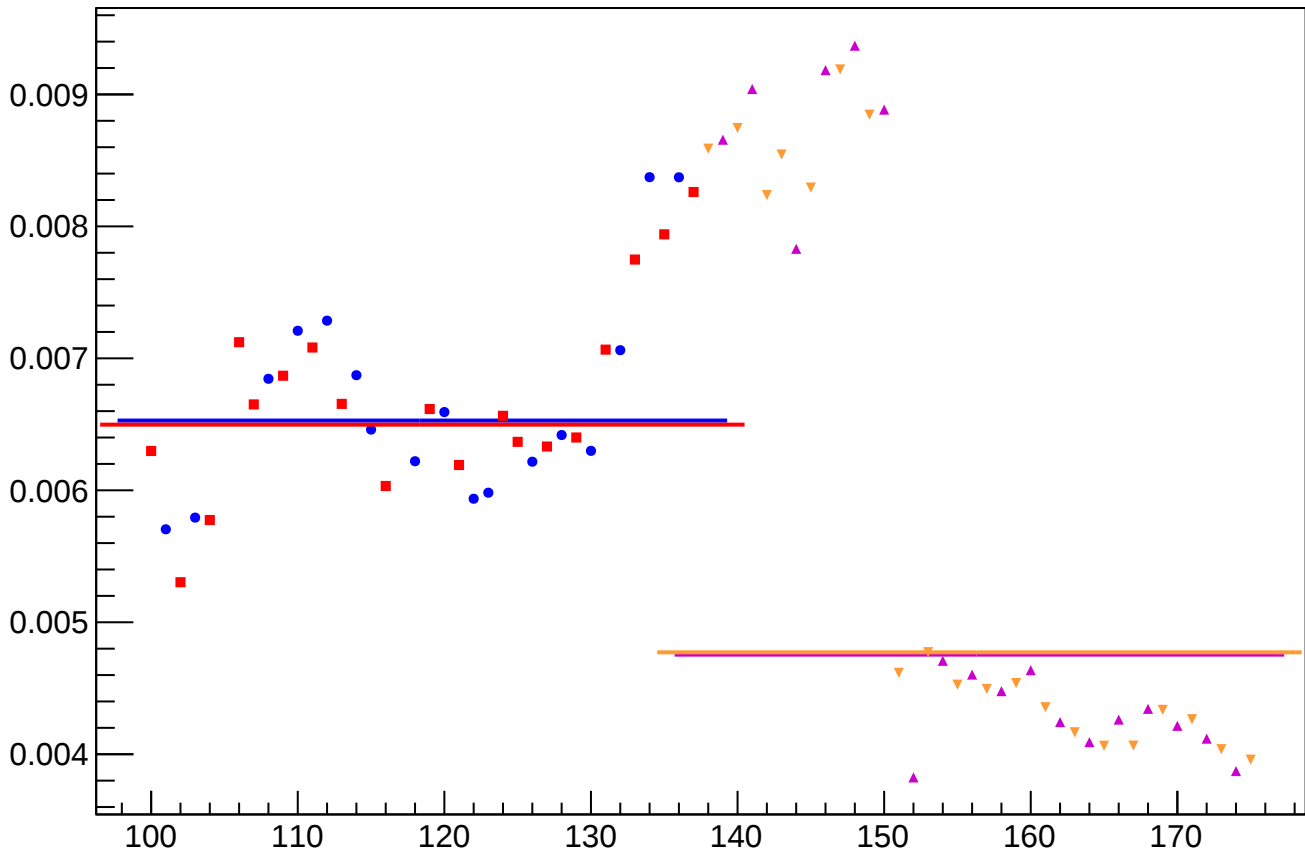
Left In: -2.232+/-0.000 χ^2/NDF : 66943025270.1/17

+ sign -2.237+/-0.000 χ^2/NDF : 59037907052.7/36

All: -2.240+/-0.000 χ^2/NDF : 132871488747.3

- sign -2.244+/-0.000 χ^2/NDF : 73815012125.1/36

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 : 2219532.2/19

Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

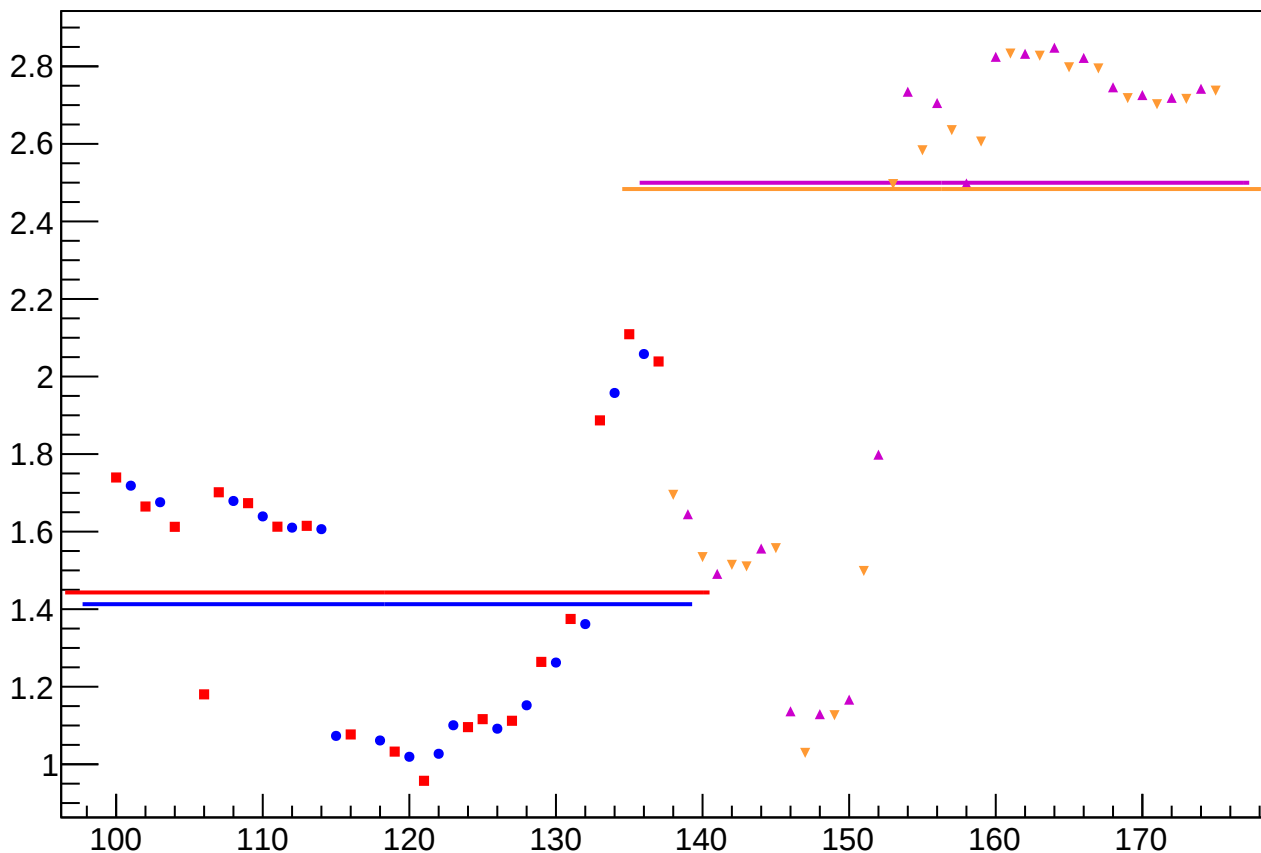
Left In: 0.005+/-0.000 χ^2/NDF : 2273701.2/17

+ sign 0.005+/-0.000 χ^2/NDF : 3139843.0/36

All: 0.005+/-0.000 χ^2/NDF : 6331656.3/73

- sign 0.005+/-0.000 χ^2/NDF : 3191542.5/36

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.484+/-0.000 χ^2/NDF : 245735790976.4/19

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

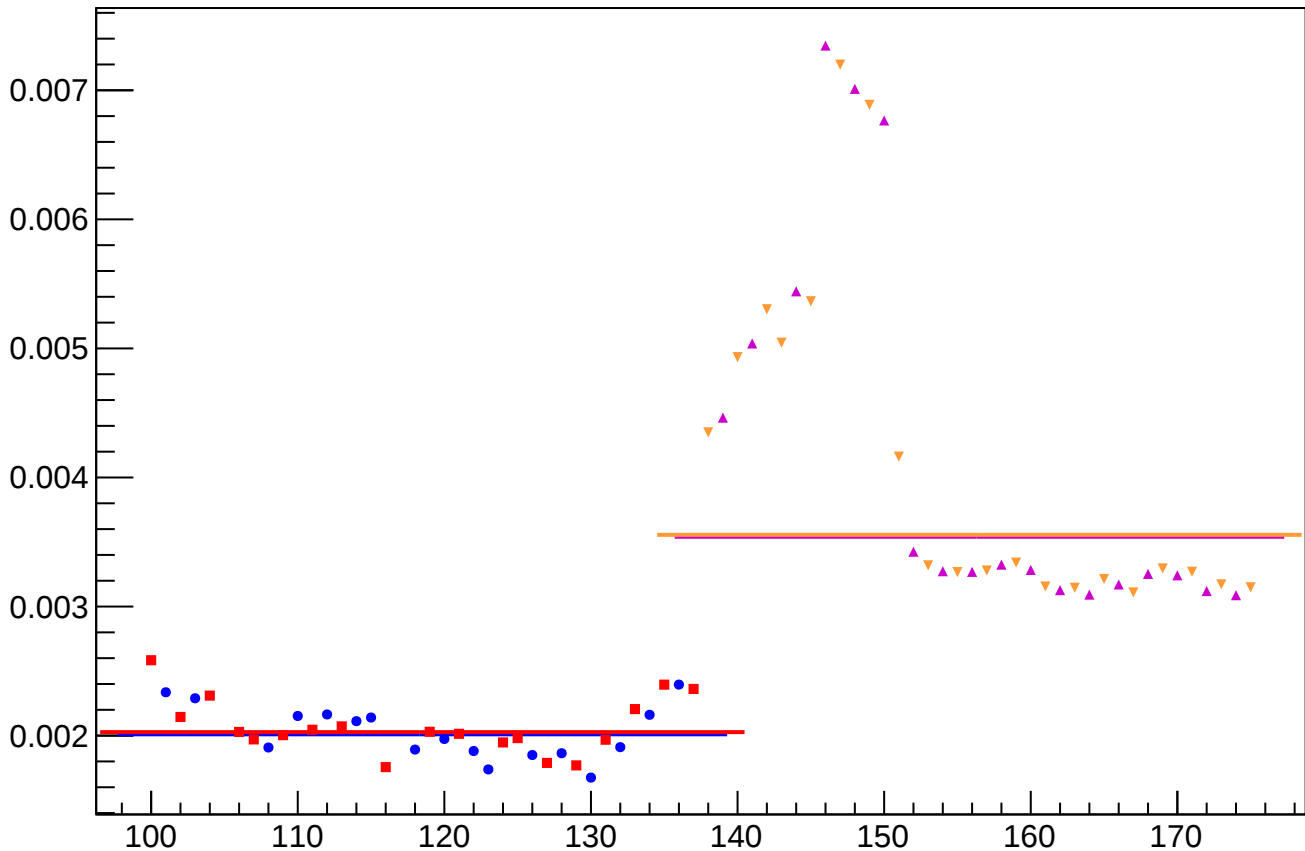
Left In: 2.500+/-0.000 χ^2/NDF : 239992121486.6/17

+ sign 1.852+/-0.000 χ^2/NDF : 1135865421819.4/36

All: 1.850+/-0.000 χ^2/NDF : 2223628115863.

- sign 1.848+/-0.000 χ^2/NDF : 1087739983110.1/36

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 :1350189.7/19

Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

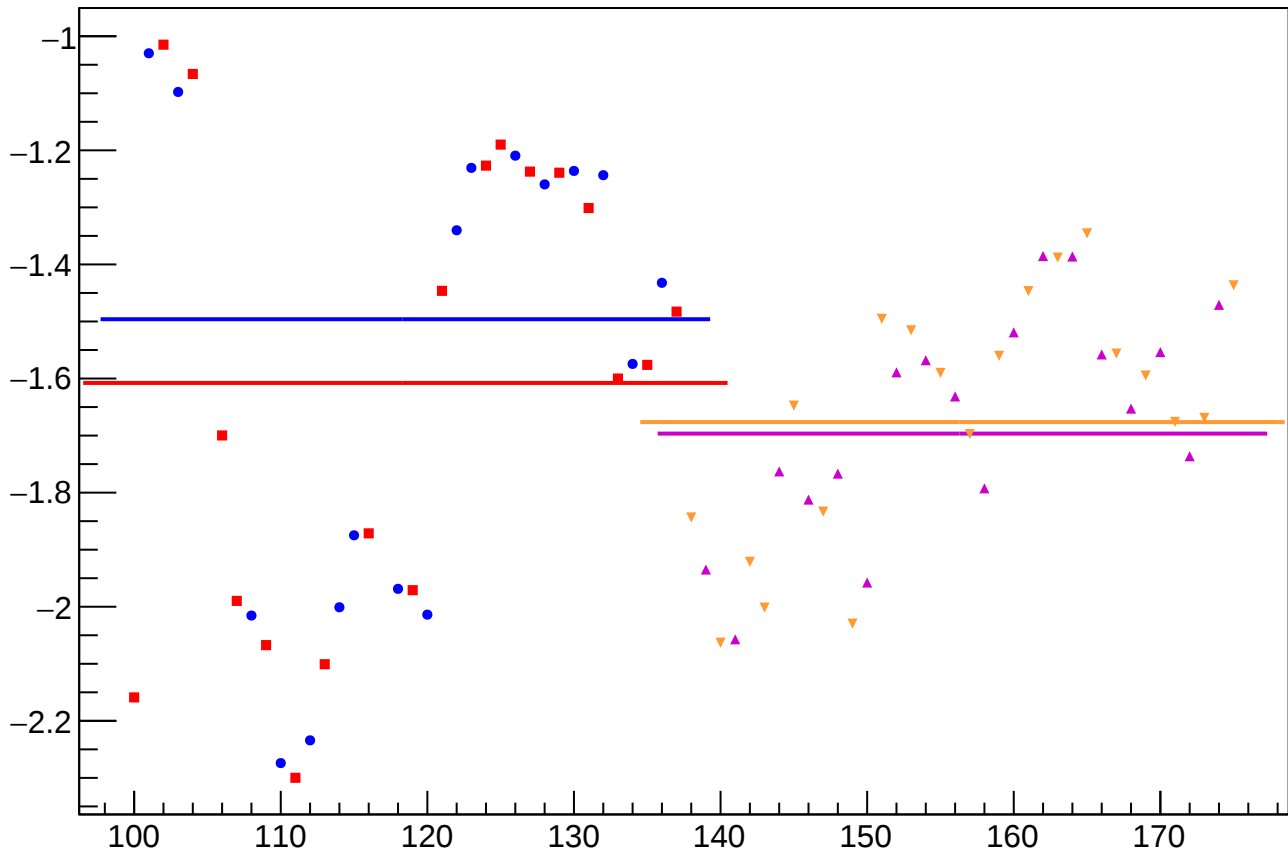
Left In: 0.004+/-0.000 χ^2/NDF :1531806.2/17

+ sign 0.003+/-0.000 χ^2/NDF : 4492901.8/36

All: 0.003+/-0.000 χ^2/NDF : 8899661.9/73

- sign 0.003+/-0.000 χ^2/NDF : 4403192.5/36

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.676+/-0.000 χ^2/NDF : 16900357640.1/19

Right Out: -1.608+/-0.000 χ^2/NDF : 27836461057.4/18

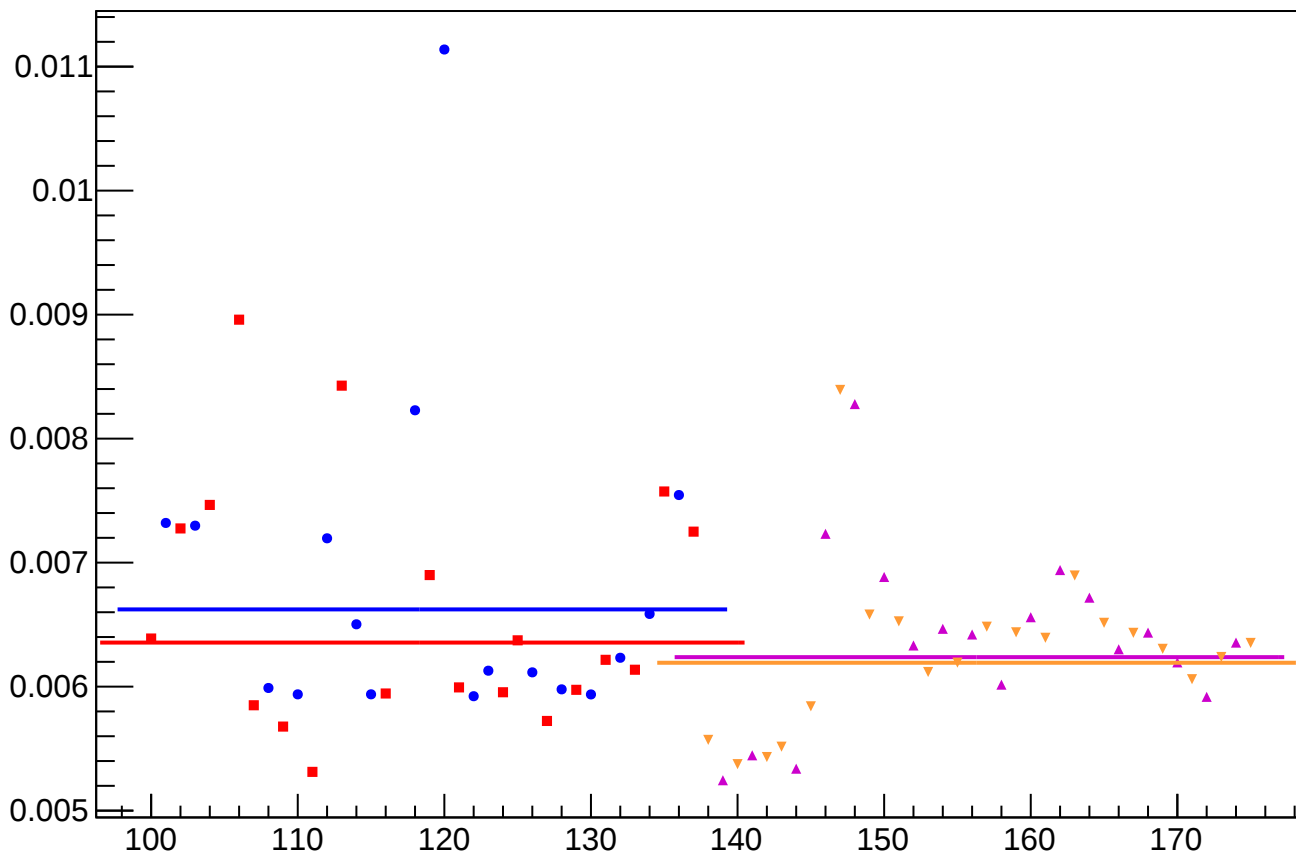
Left In: -1.697+/-0.000 χ^2/NDF : 12219288349.3/17

+ sign -1.627+/-0.000 χ^2/NDF : 42709444064.9/36

All: -1.647+/-0.000 χ^2/NDF : 84040653679.9

- sign -1.667+/-0.000 χ^2/NDF : 40922046977.8/36

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:228286.6/19

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 227861.1/18

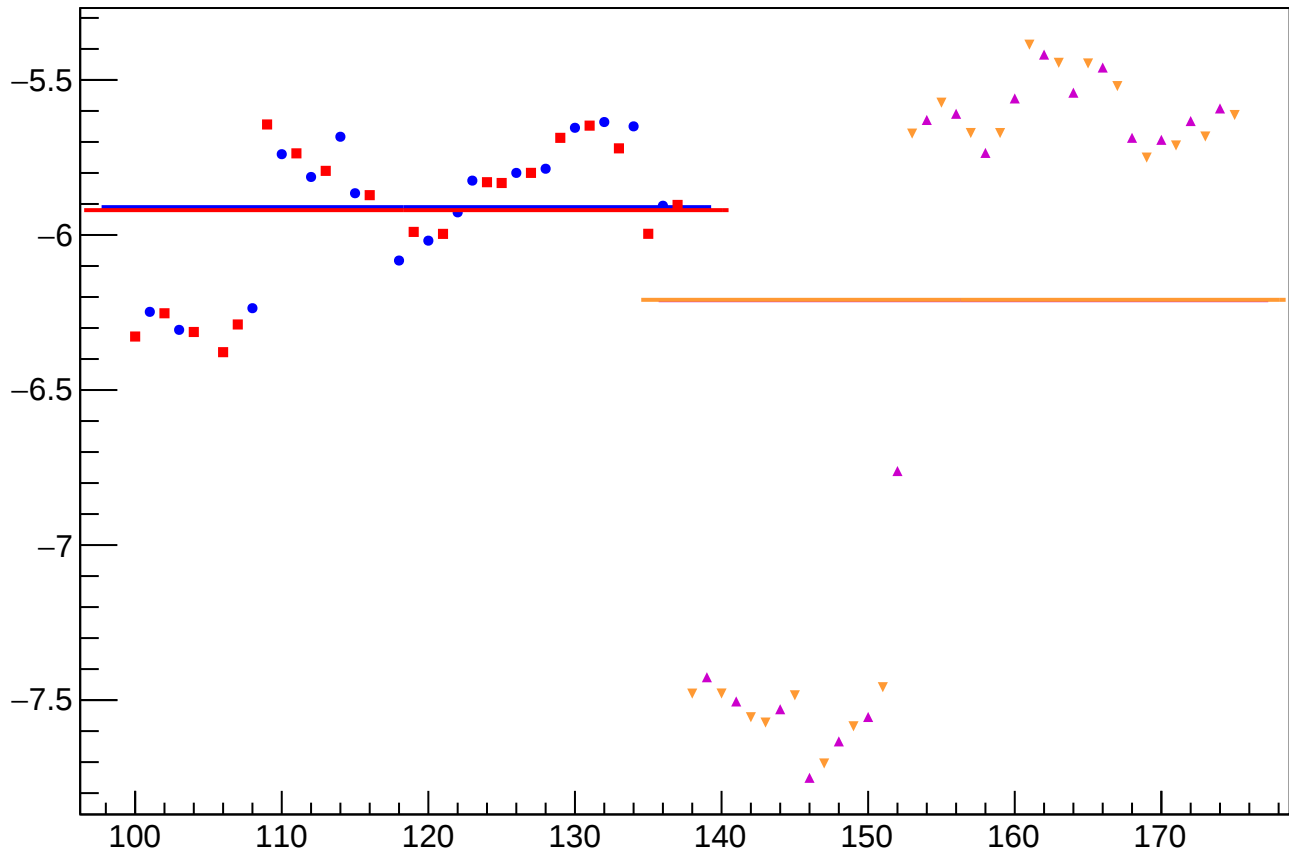
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:293070.7/17

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 498316.3/36

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1022852.6/73

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 523966.3/36

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.209+/-0.000 χ^2/NDF : 176670646822.2/19

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

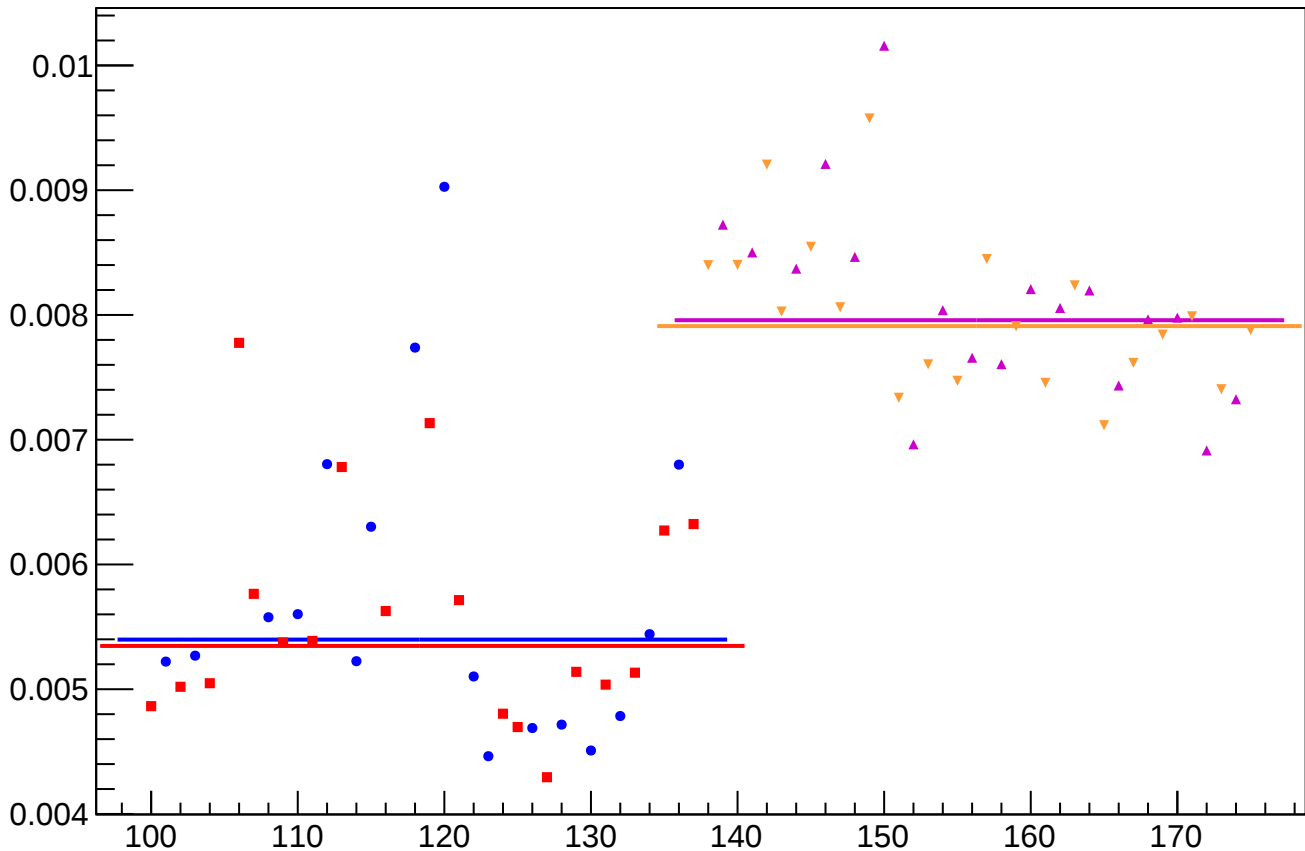
Left In: -6.210+/-0.000 χ^2/NDF : 150152911557.4/17

+ sign -6.064+/-0.000 χ^2/NDF : 197136045599.0/36

All: -6.060+/-0.000 χ^2/NDF : 368933196934.1

- sign -6.057+/-0.000 χ^2/NDF : 171786555580.2/36

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 :123149.1/19

Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

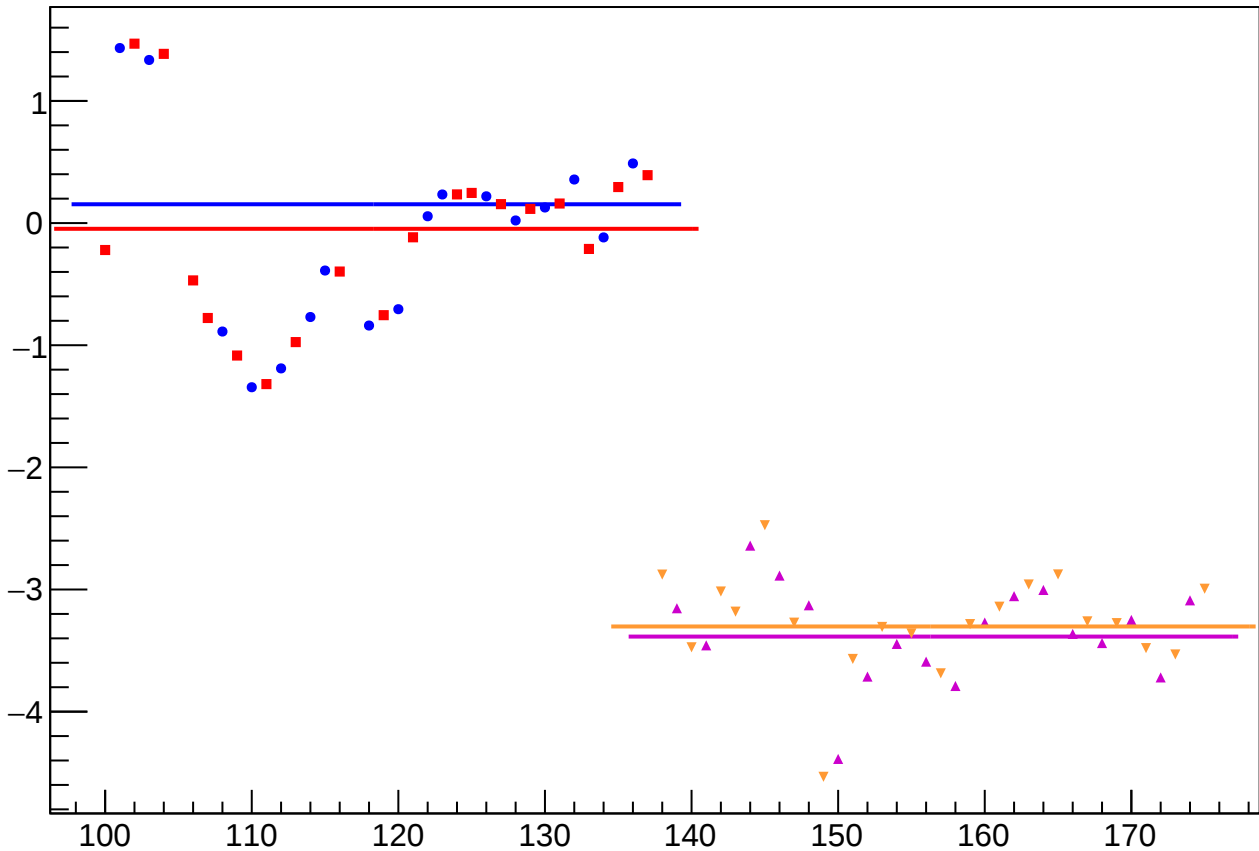
Left In: 0.008+/-0.000 χ^2/NDF :201127.0/17

+ sign 0.007+/-0.000 χ^2/NDF : 1810403.7/36

All: 0.007+/-0.000 χ^2/NDF : 3696567.4/73

- sign 0.007+/-0.000 χ^2/NDF : 1880906.6/36

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.303+/-0.000 χ^2/NDF : 8557978219.7/19

Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

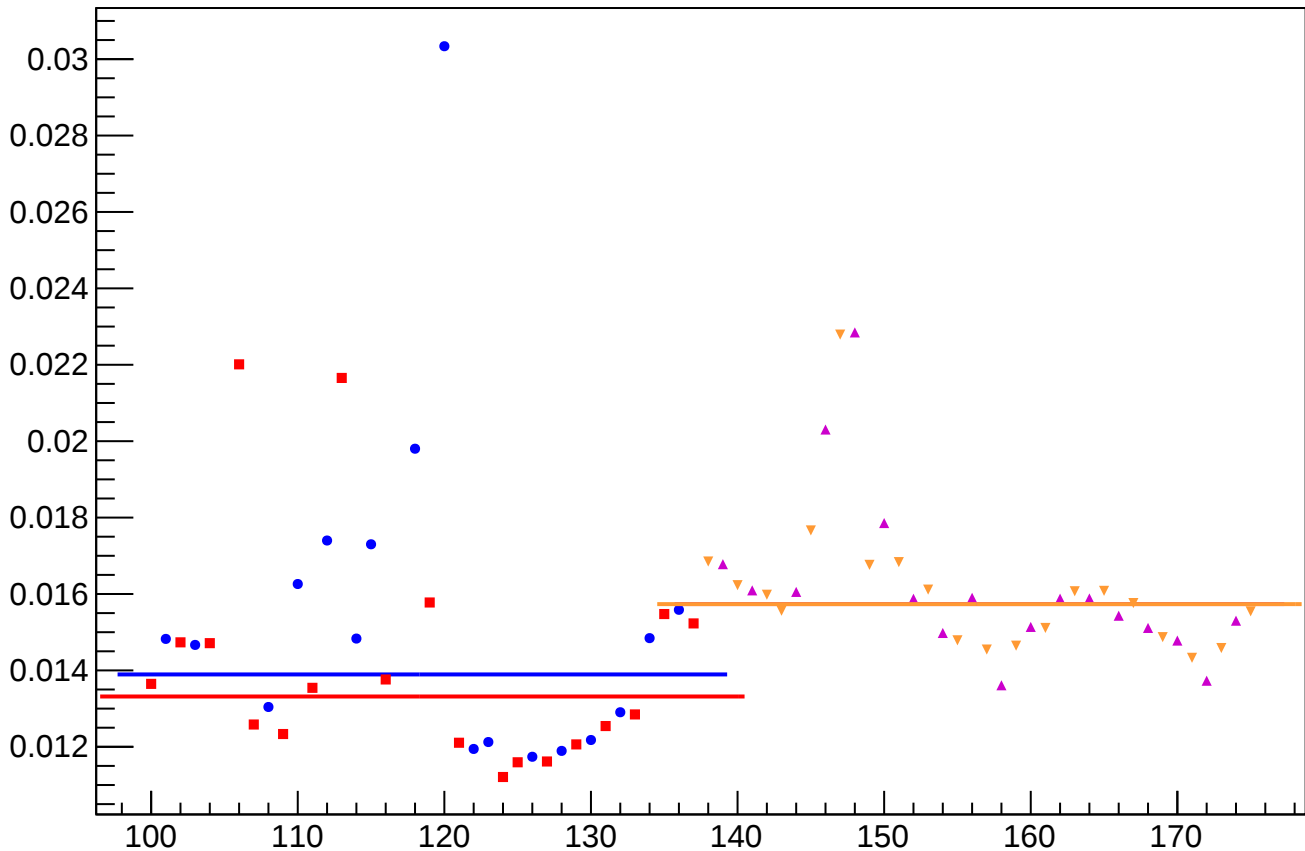
Left In: -3.385+/-0.000 χ^2/NDF : 7615494533.6/17

+ sign -2.107+/-0.000 χ^2/NDF : 265256458513.6/36

All: -2.069+/-0.000 χ^2/NDF : 535708571223.4

- sign -2.032+/-0.000 χ^2/NDF : 270200935239.9/36

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:231670.8/19

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 291358.0/18

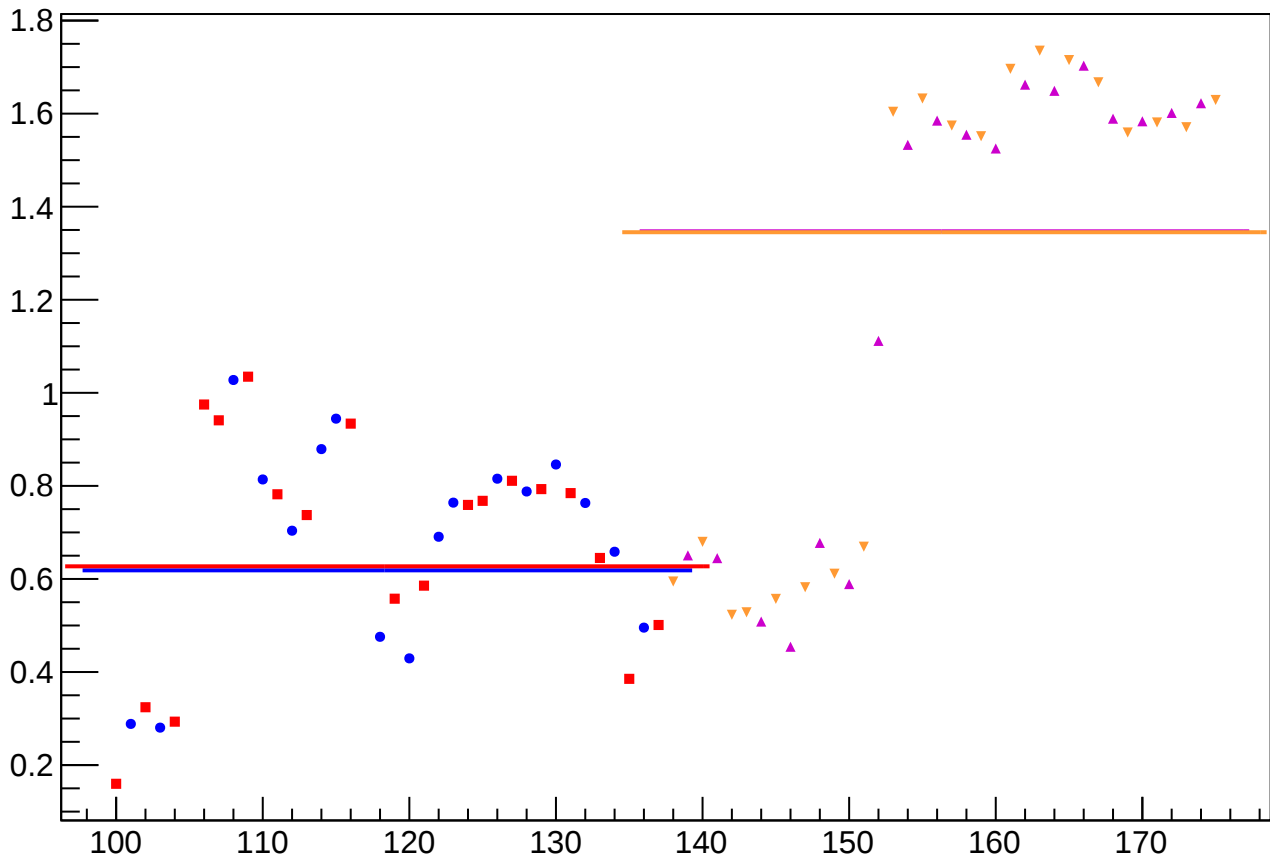
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:328007.7/17

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 768135.8/36

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 1651603.2/73

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 873007.7/36

yield_bpm0l02Y_mean vs Slug



Right In: 0.619 $\pm$ 0.000 χ^2 /NDF: 5416939288.1/16

Left Out: 1.345 $\pm$ 0.000 χ^2 /NDF: 72004675203.6/19

Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6337935219.4/18

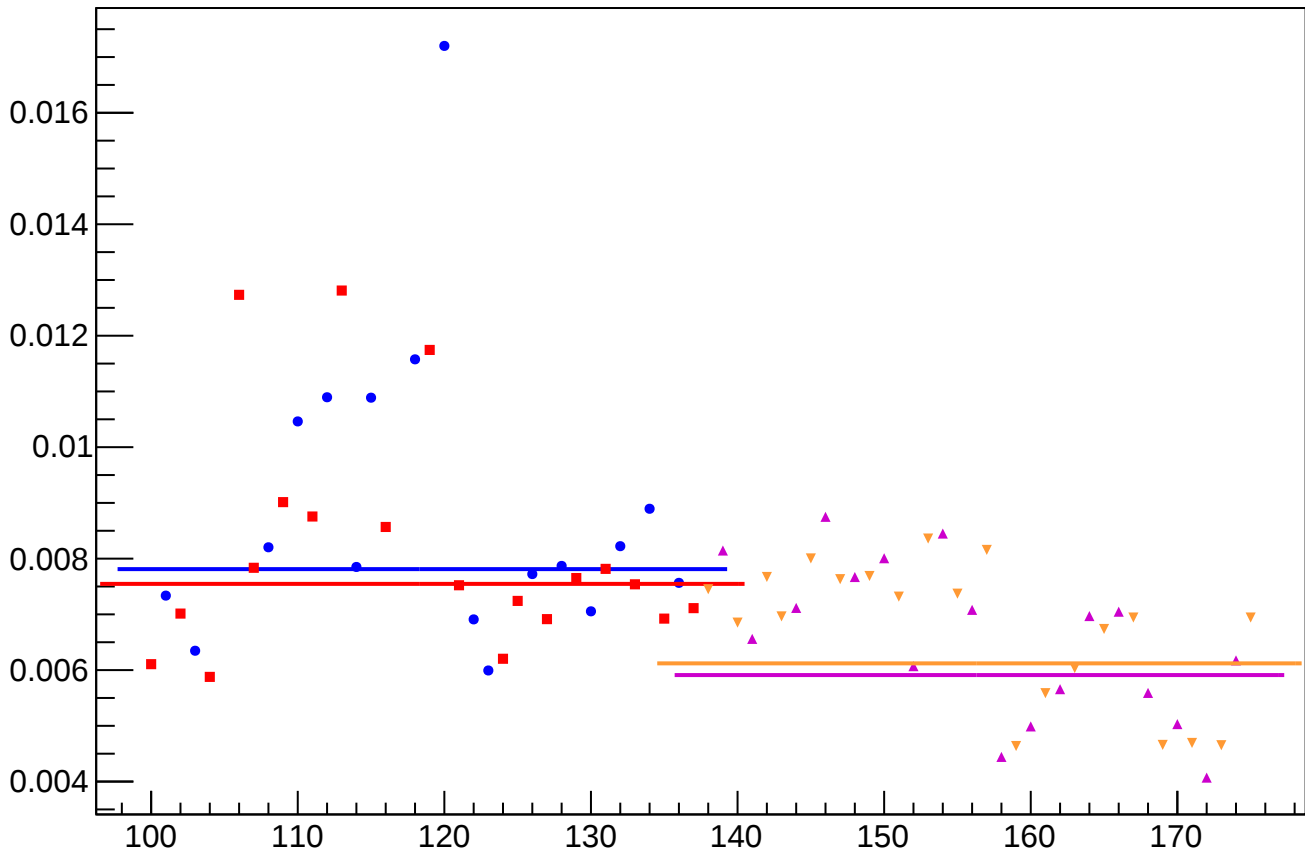
Left In: 1.347 $\pm$ 0.000 χ^2 /NDF: 61889654860.8/17

+ sign 1.192 $\pm$ 0.000 χ^2 /NDF: 117148175686.4/36

All: 1.186 $\pm$ 0.000 χ^2 /NDF: 228633433982.8

- sign 1.179 $\pm$ 0.000 χ^2 /NDF: 111448987532.5/36

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 466827.3/16

Left Out: 0.006+/-0.000 χ^2/NDF :1242480.4/19

Right Out: 0.008+/-0.000 χ^2/NDF : 441823.4/18

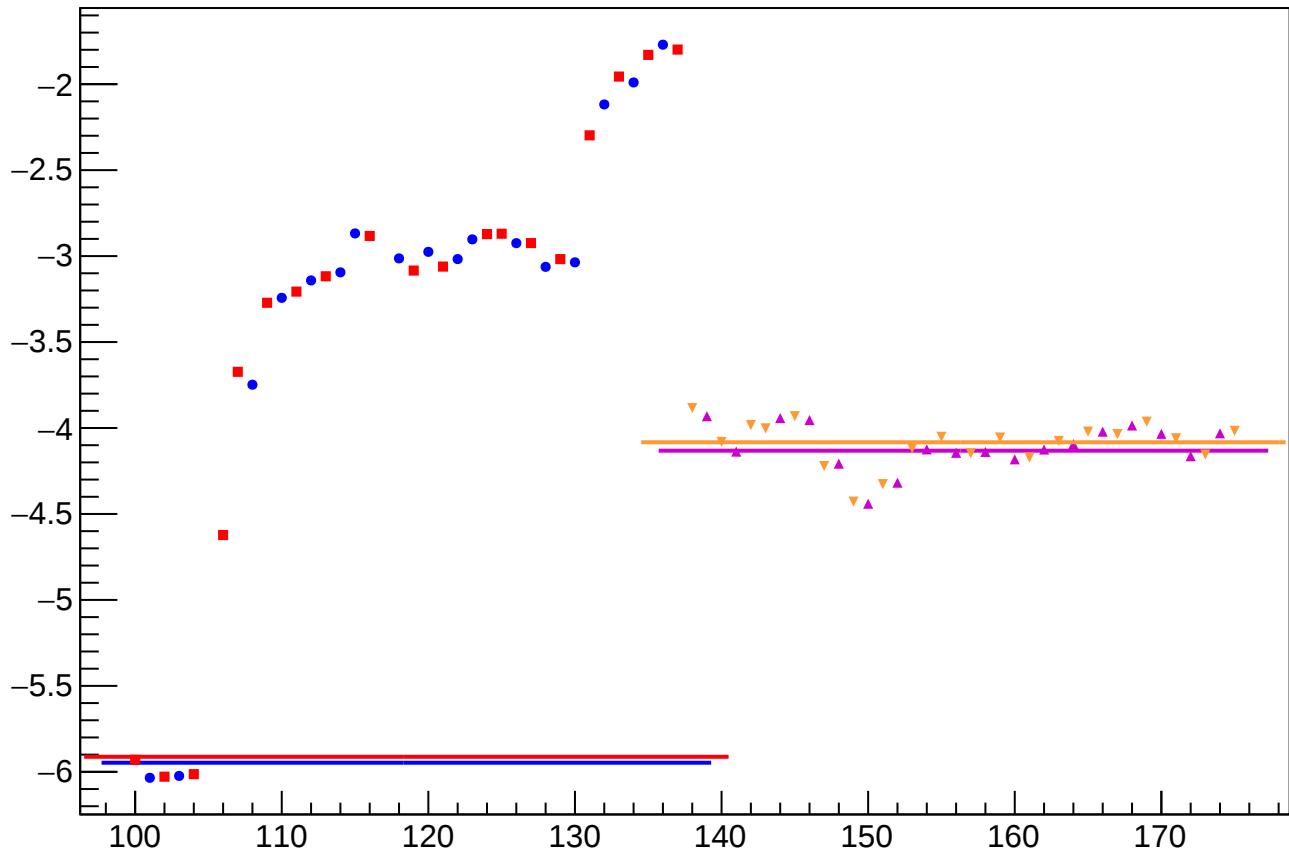
Left In: 0.006+/-0.000 χ^2/NDF :1296143.0/17

+ sign 0.006+/-0.000 χ^2/NDF : 2139641.8/36

All: 0.006+/-0.000 χ^2/NDF : 4339764.6/73

- sign 0.006+/-0.000 χ^2/NDF : 2184364.7/36

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.083+/-0.000 χ^2/NDF : 34945262.1/19

Right Out: -5.912+/-0.000 χ^2/NDF : 14619971495.0/18

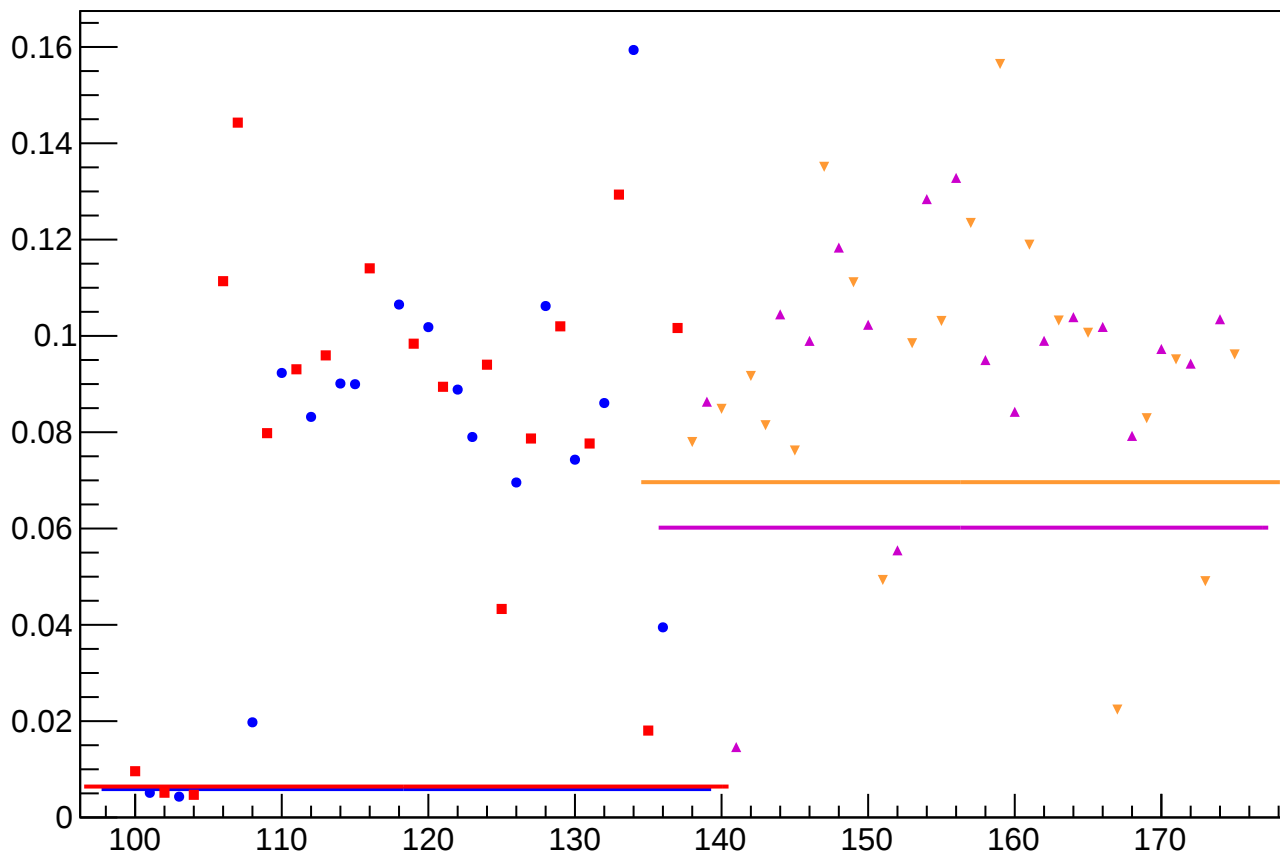
Left In: -4.132+/-0.000 χ^2/NDF : 25767140.2/17

+ sign -5.869+/-0.000 χ^2/NDF : 20109468526.2/36

All: -5.846+/-0.000 χ^2/NDF : 41195924843.3

- sign -5.818+/-0.000 χ^2/NDF : 21030504970.0/36

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:4831663.7/19

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8498586.9/18

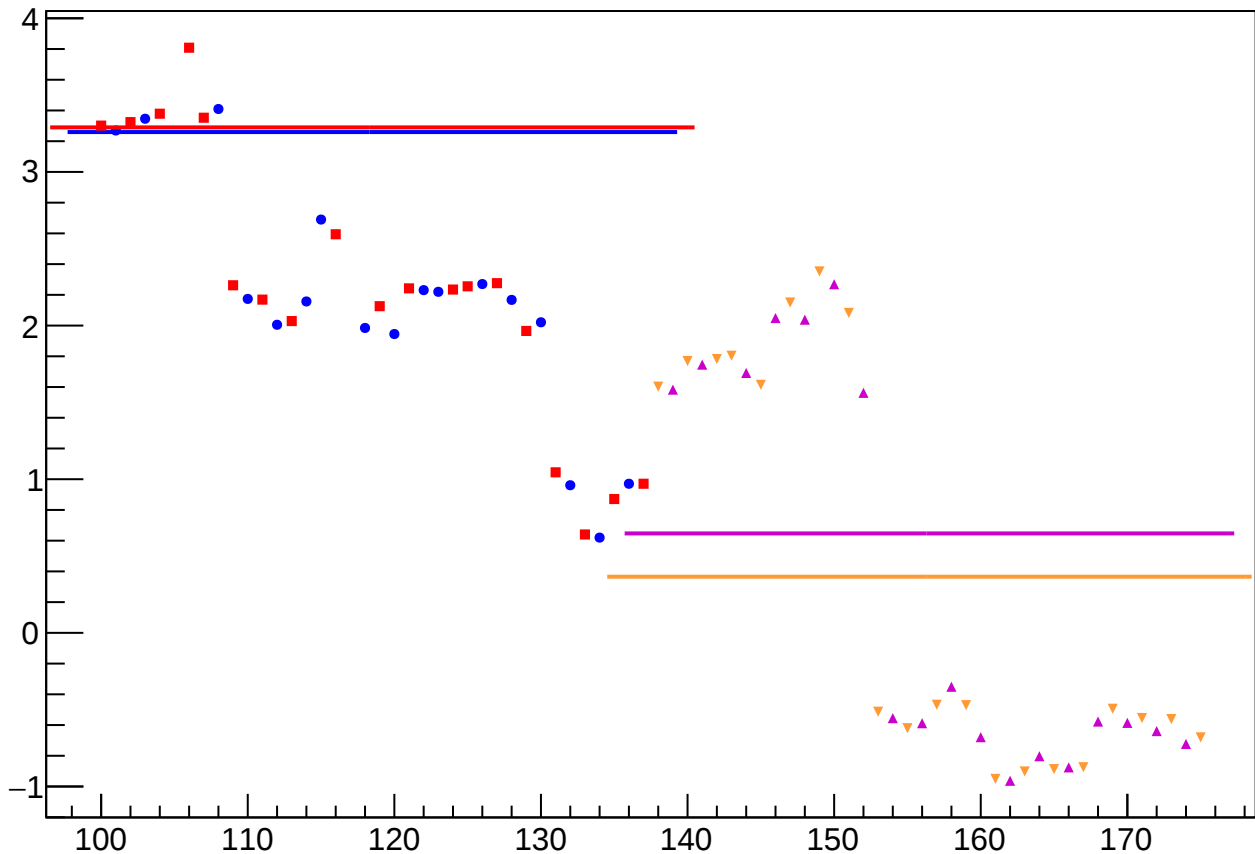
Left In: 0.060 $\pm$ 0.000 χ^2 /NDF:7151458.0/17

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 28923401.8/36

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 56237681.4/73

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 27293282.4/36

yield_bpm0l03Y_mean vs Slug



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 0.366+/-0.000 χ^2/NDF : 2931966112.4/19

Right Out: 3.290+/-0.000 χ^2/NDF : 3262231575.5/18

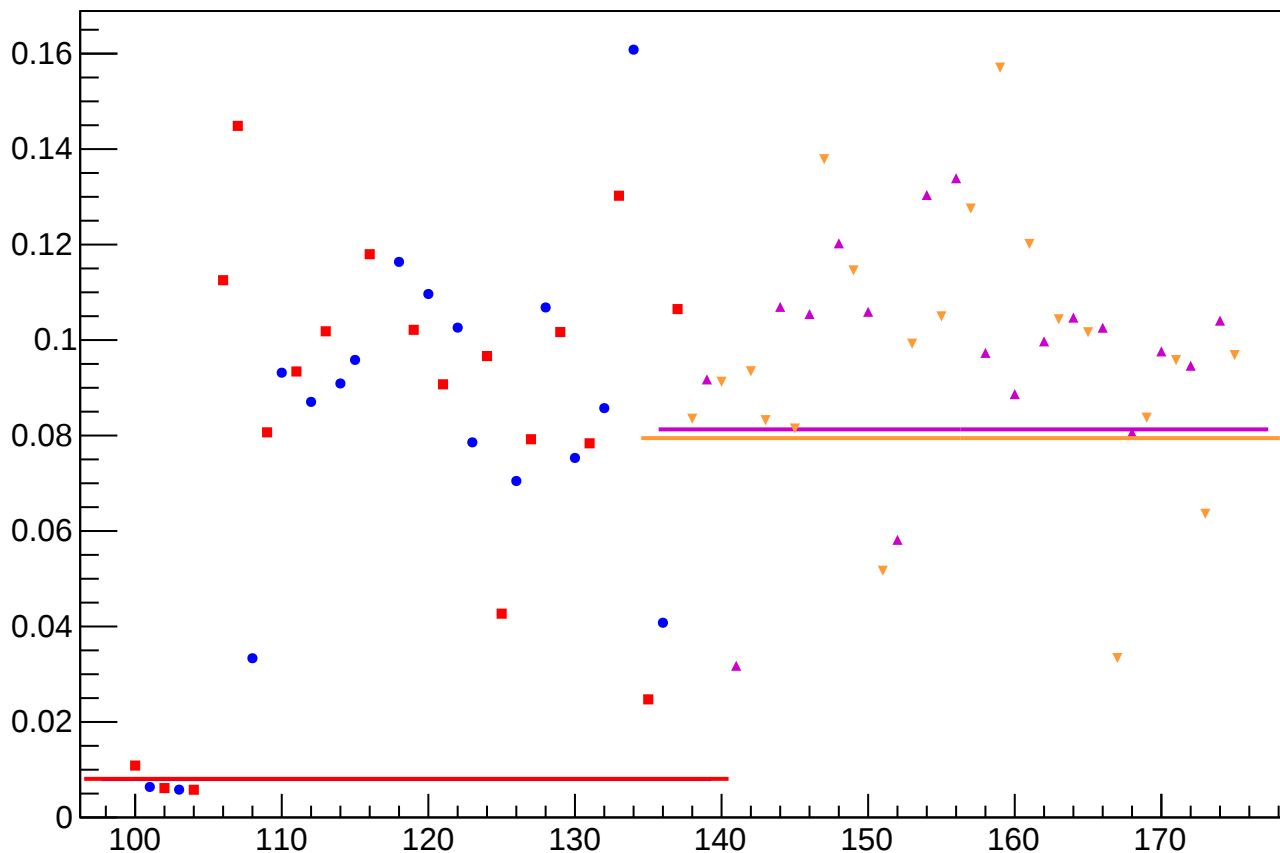
Left In: 0.647+/-0.000 χ^2/NDF : 2272266087.3/17

+ sign 3.093+/-0.000 χ^2/NDF : 19741512407.7/36

All: 3.119+/-0.000 χ^2/NDF : 35317980514.4/7

- sign 3.147+/-0.000 χ^2/NDF : 15533231701.4/36

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.079 $\pm$ 0.000 χ^2 /NDF: 3111917.2/19

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

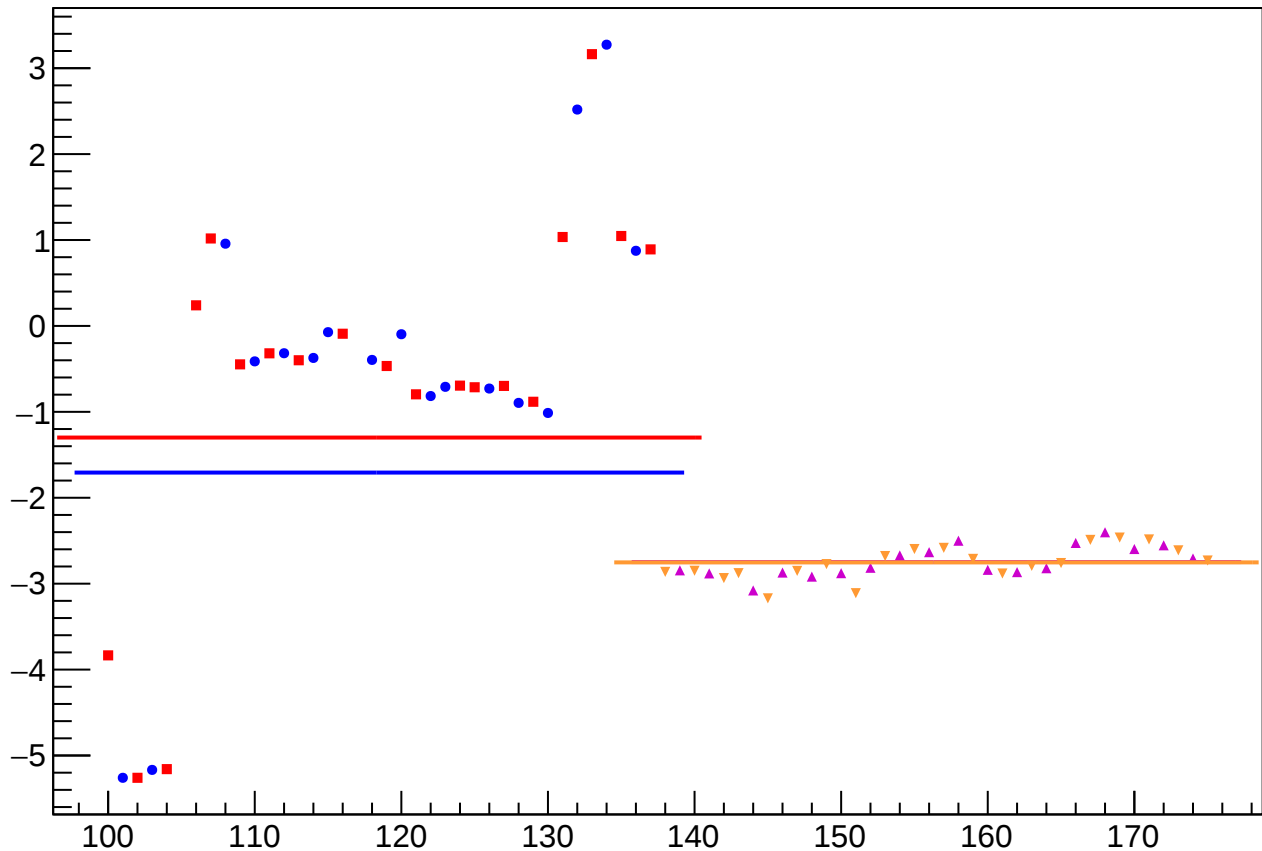
Left In: 0.081 $\pm$ 0.000 χ^2 /NDF: 2901503.8/17

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 27771545.2/36

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 54327853.1/73

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 26555928.2/36

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.752+/-0.000 χ^2/NDF : 8643912050.1/19

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

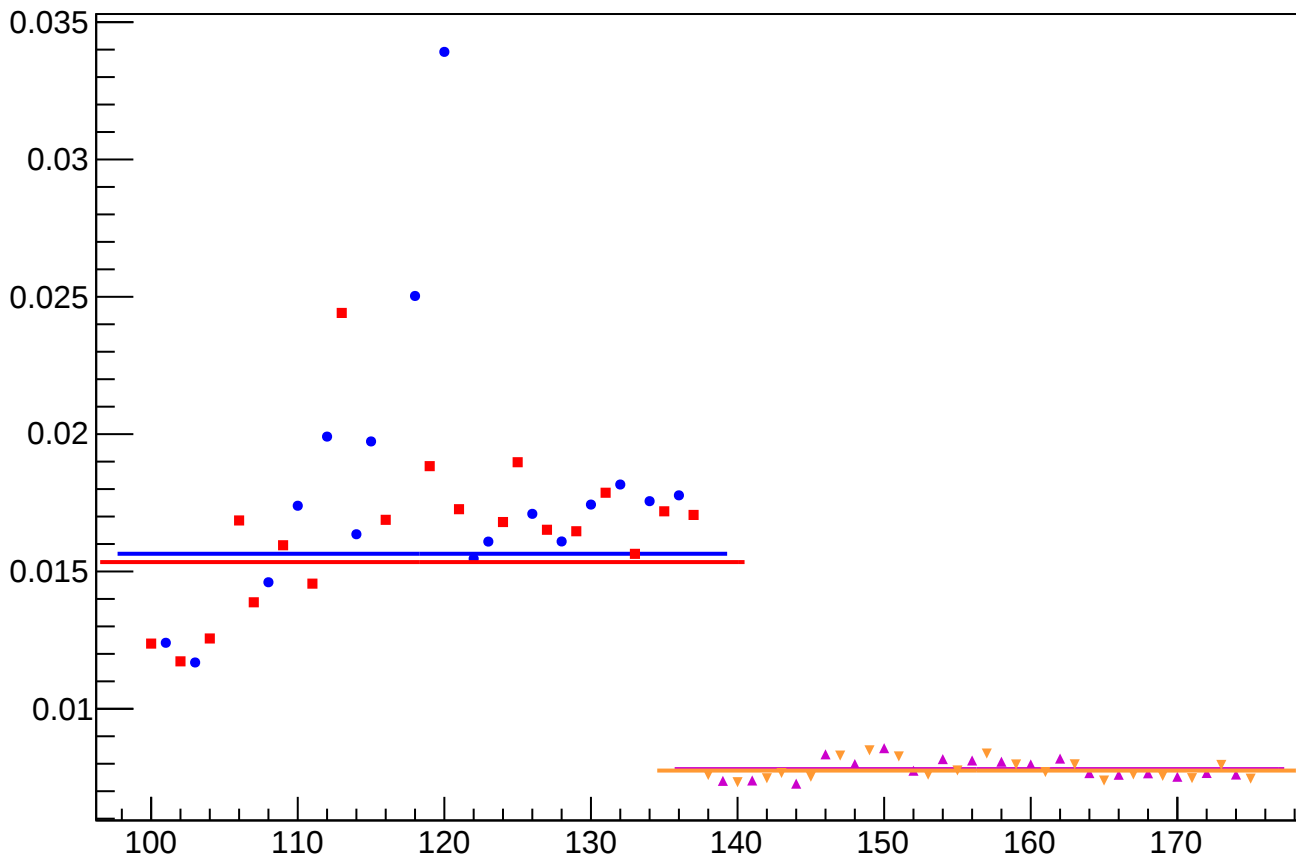
Left In: -2.748+/-0.000 χ^2/NDF : 7036402071.8/17

+ sign -2.661+/-0.000 χ^2/NDF : 197613751658.4/36

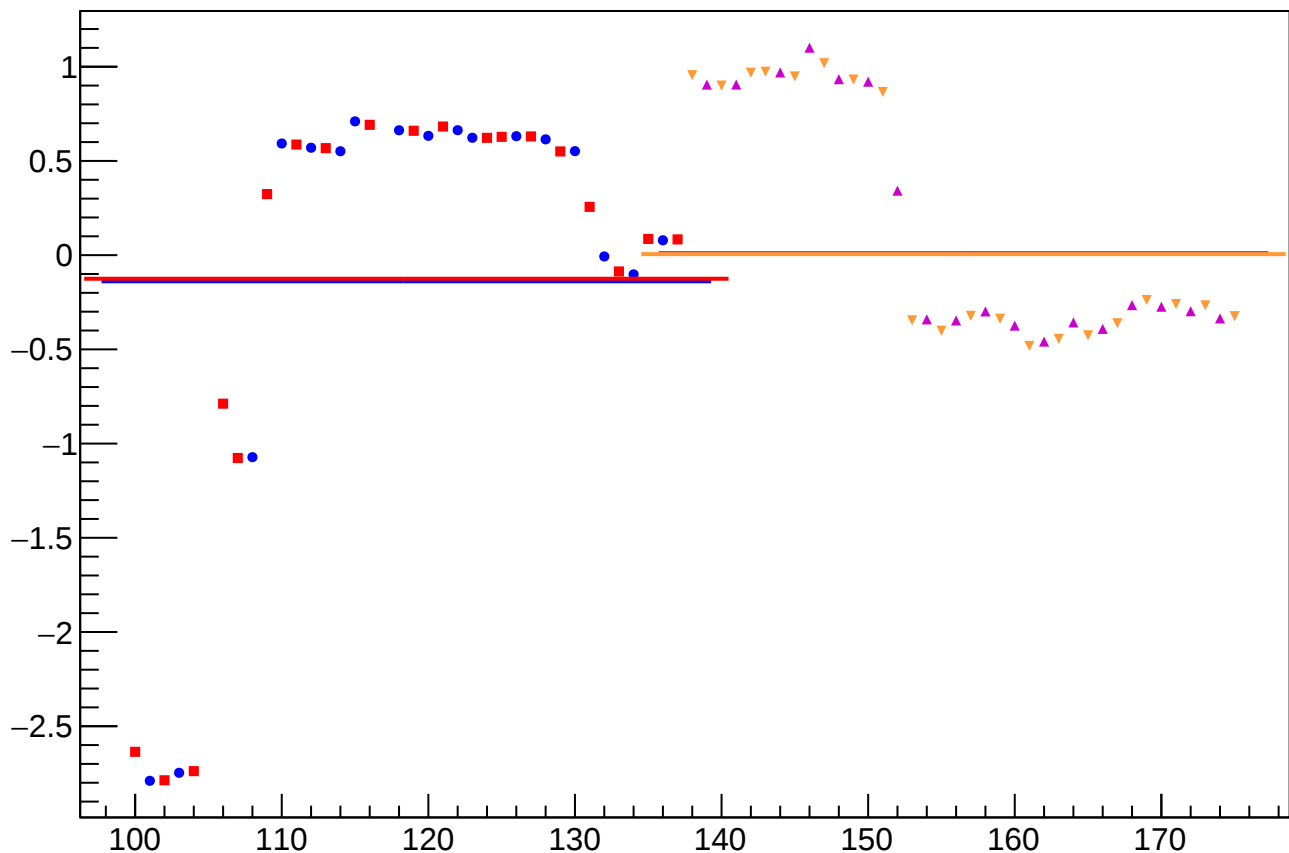
All: -2.628+/-0.000 χ^2/NDF : 432639899796.7

- sign -2.593+/-0.000 χ^2/NDF : 234440215783.4/36

yield_bpm0l04X_rms vs Slug



yield_bpm0l04Y_mean vs Slug



Right In: -0.139 ± 0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.005 ± 0.000 χ^2/NDF : 130923601449.9/19

Right Out: -0.125 ± 0.000 χ^2/NDF : 761496762534.7/18

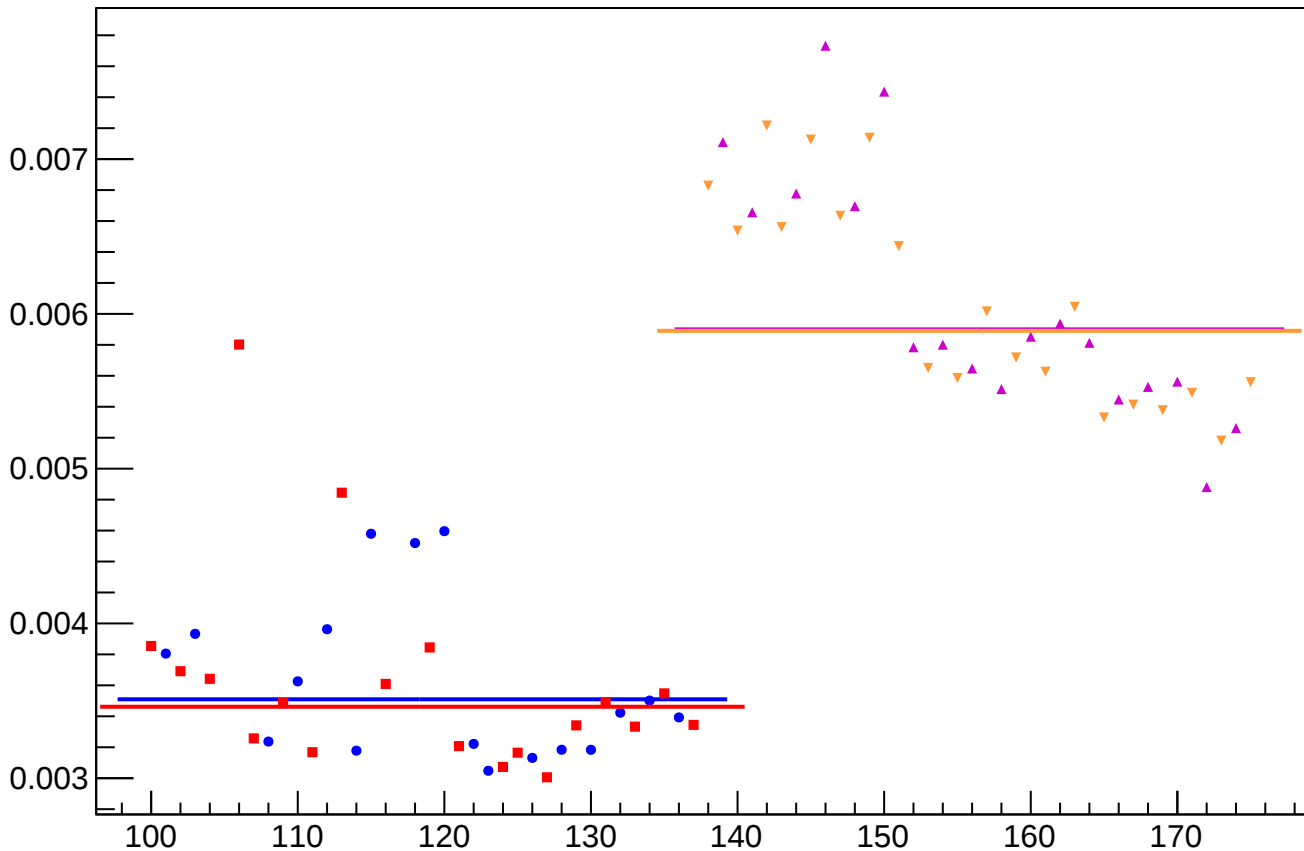
Left In: 0.011 ± 0.000 χ^2/NDF : 110372962973.2/17

+ sign -0.076 ± 0.000 χ^2/NDF : 850593964250.1/36

All: -0.074 ± 0.000 χ^2/NDF : 1726564341981

- sign -0.071 ± 0.000 χ^2/NDF : 875960098237.2/36

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 171337.9/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:274970.3/19

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 215974.1/18

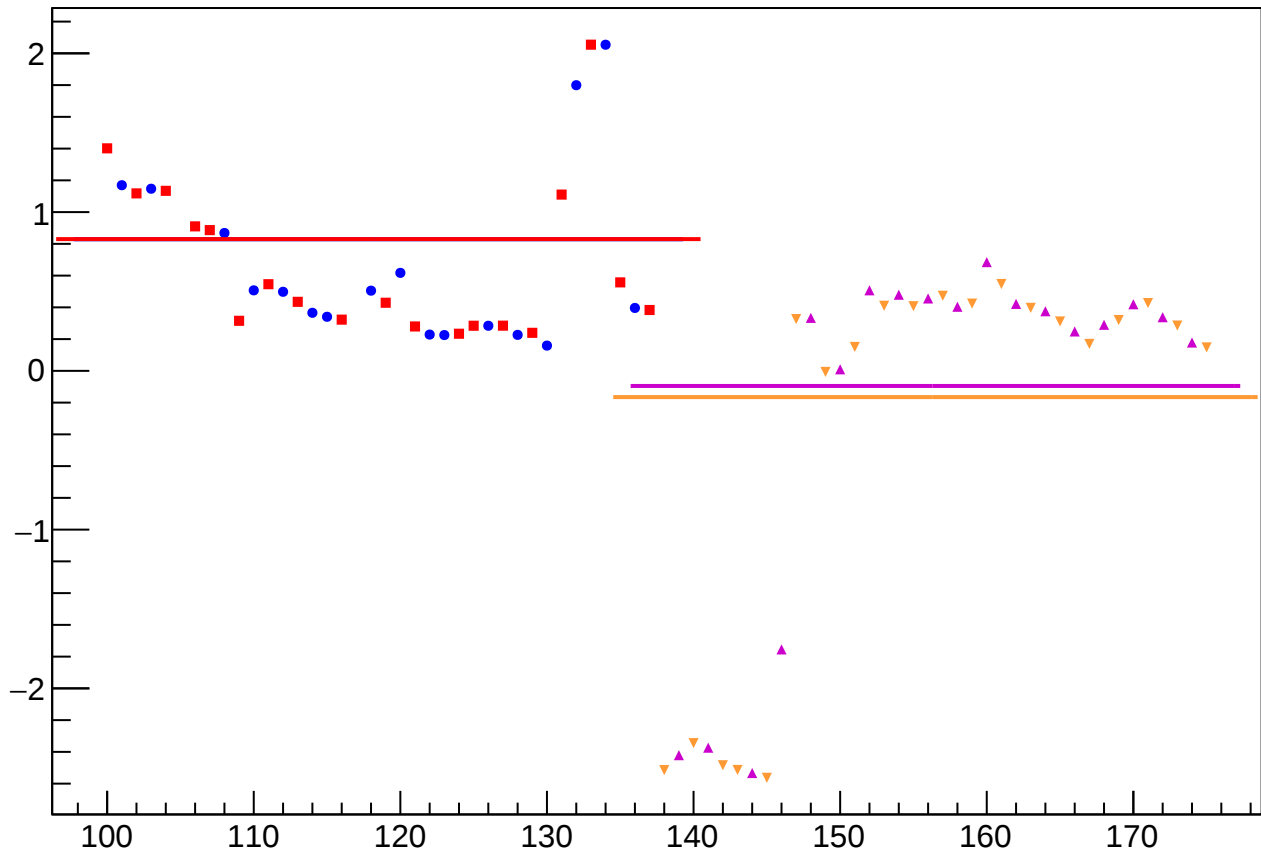
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:351741.9/17

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2967880.4/36

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 6182103.4/73

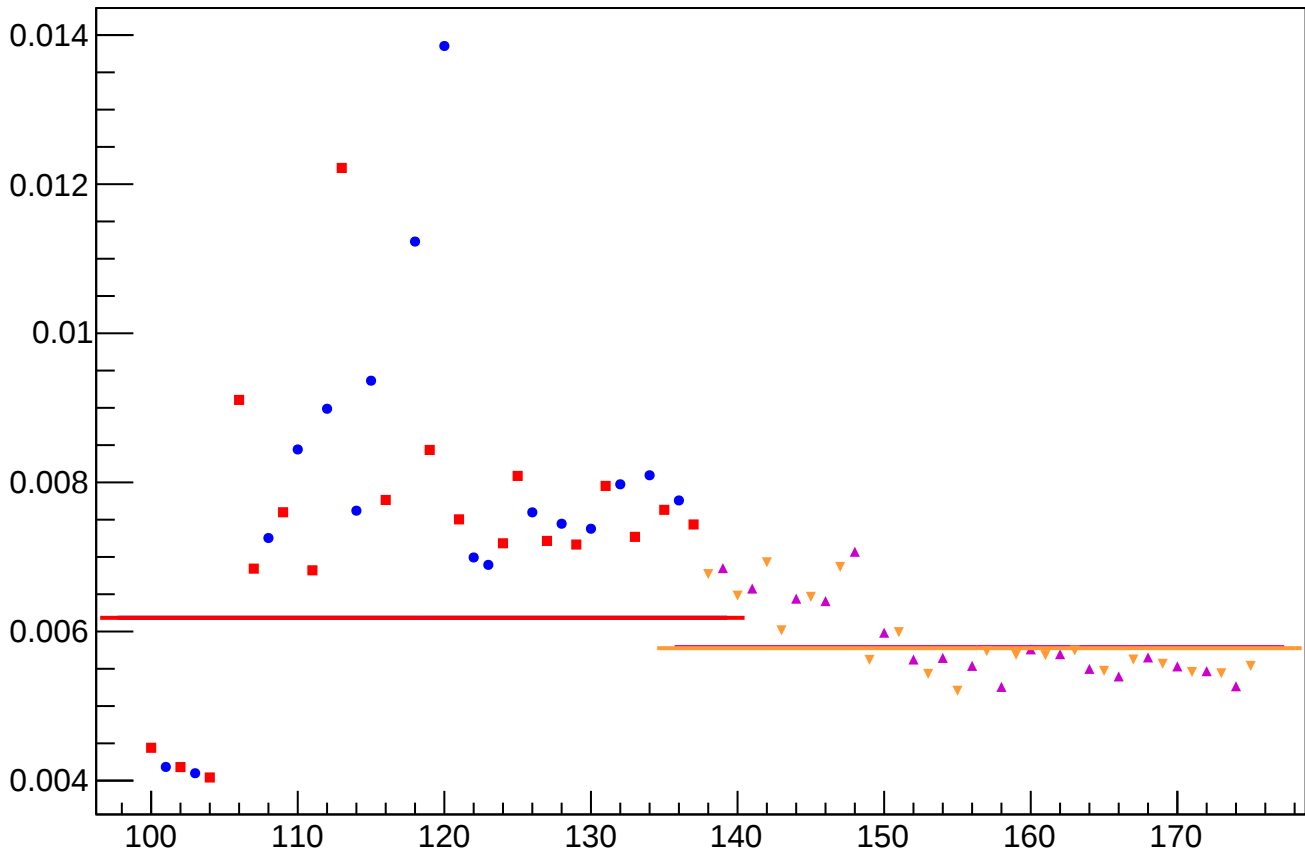
- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3201421.0/36

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000	χ^2/NDF : 31718573821.2/16	+ sign 0.083+/-0.000	χ^2/NDF : 613002250582.6/36
Left Out: -0.165+/-0.000	χ^2/NDF : 478173585636.7/19	All: 0.123+/-0.000	χ^2/NDF : 1147941921218.
Right Out: 0.830+/-0.000	χ^2/NDF : 33335665437.8/18	- sign 0.165+/-0.000	χ^2/NDF : 533087392309.5/36
Left In: -0.095+/-0.000	χ^2/NDF : 406317859402.8/17		

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 : 169072.4/19

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

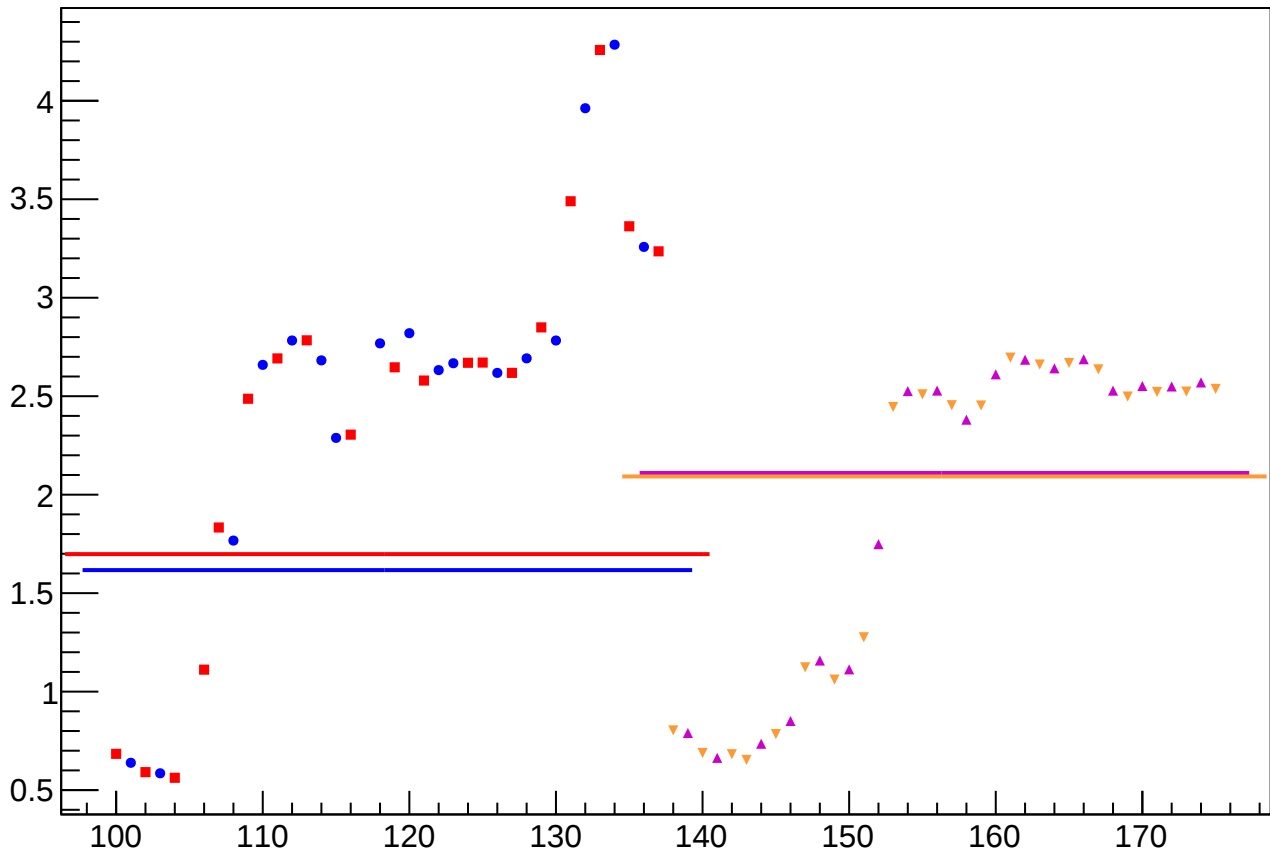
Left In: 0.006+/-0.000 χ^2/NDF : 187625.2/17

+ sign 0.006+/-0.000 χ^2/NDF : 1432788.3/36

All: 0.006+/-0.000 χ^2/NDF : 2681173.3/73

- sign 0.006+/-0.000 χ^2/NDF : 1248093.3/36

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 2.093+/-0.000 χ^2/NDF : 272314011003.8/19

Right Out: 1.698+/-0.000 χ^2/NDF : 227408345801.7/18

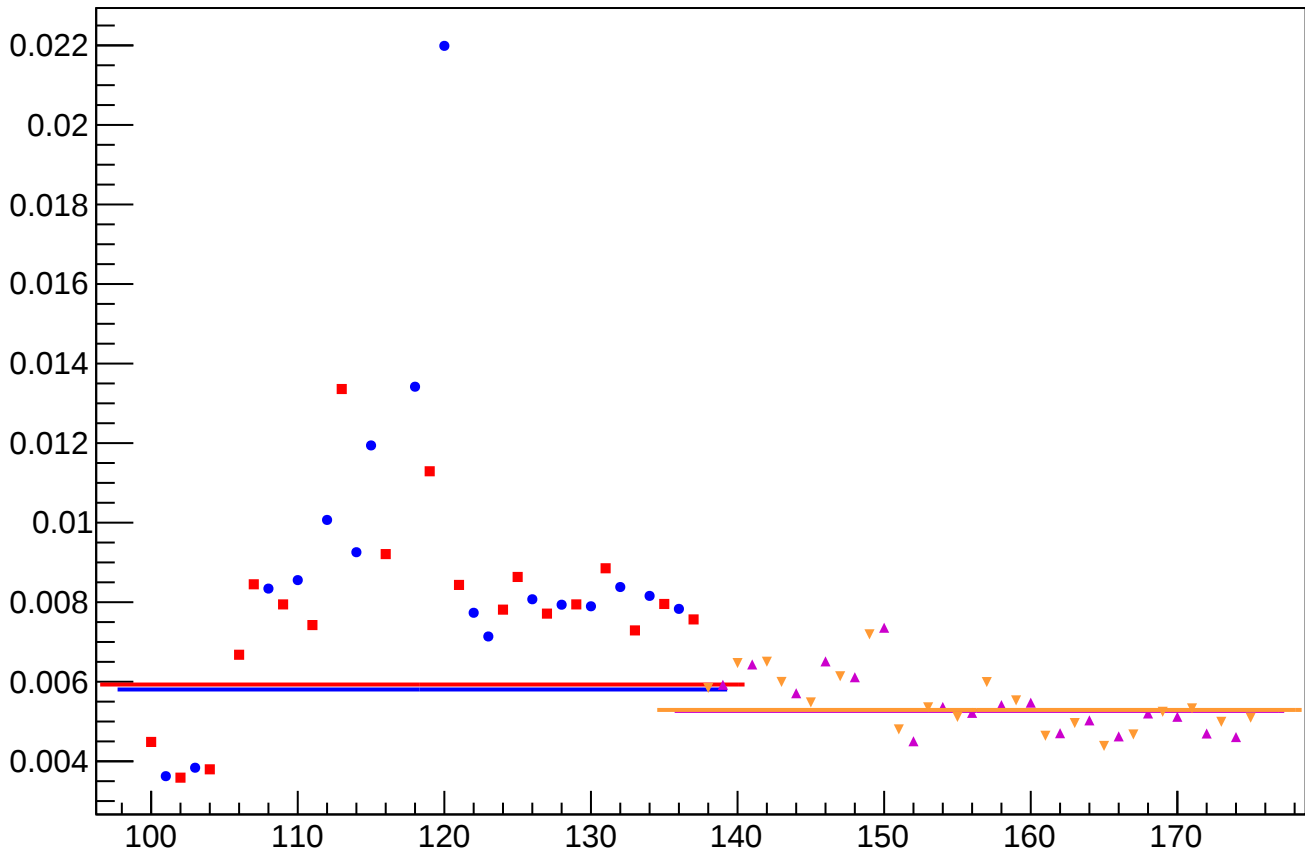
Left In: 2.110+/-0.000 χ^2/NDF : 236109609912.6/17

+ sign 1.983+/-0.000 χ^2/NDF : 500122237674.2/36

All: 1.994+/-0.000 χ^2/NDF : 983127436598.8

- sign 2.006+/-0.000 χ^2/NDF : 482840203003.0/36

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 : 370033.0/19

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

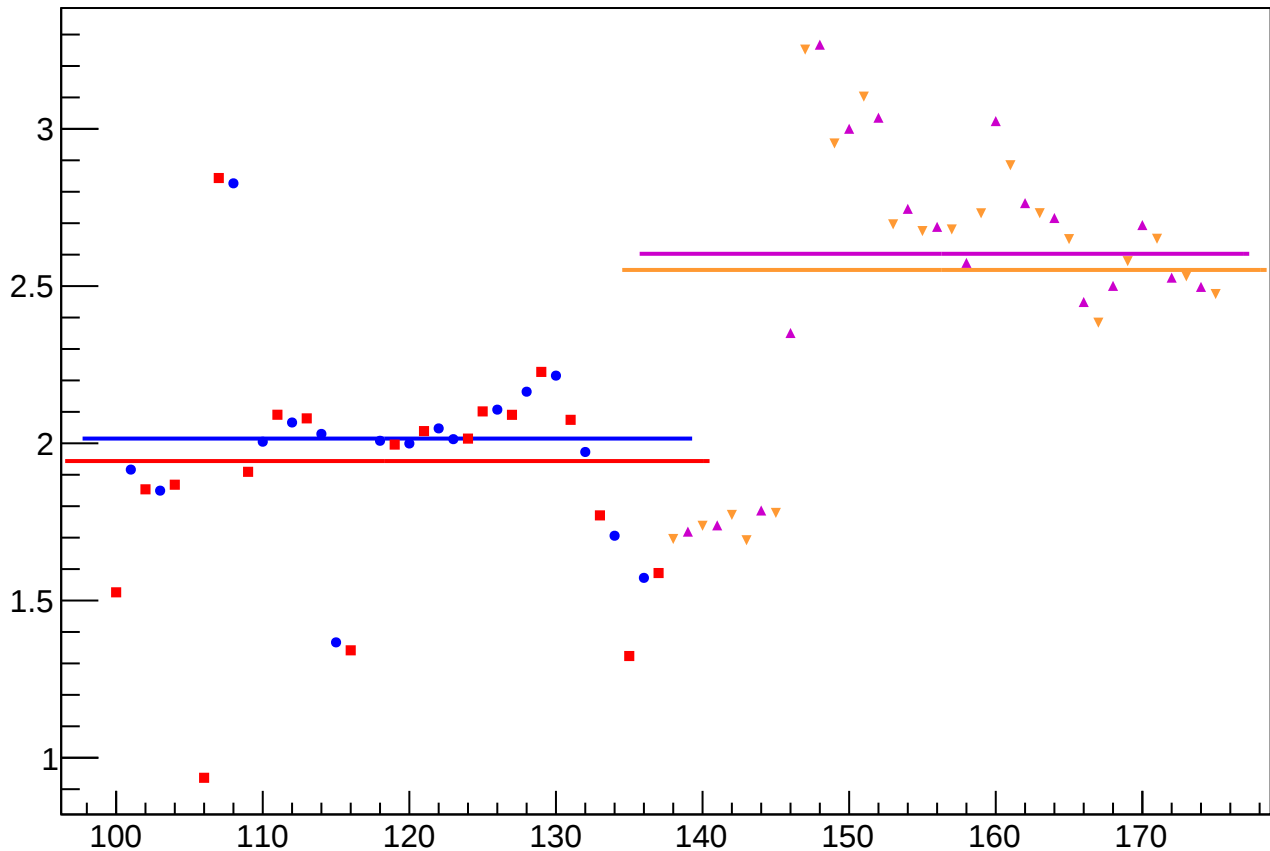
Left In: 0.005+/-0.000 χ^2/NDF : 404262.2/17

+ sign 0.005+/-0.000 χ^2/NDF : 2346275.8/36

All: 0.005+/-0.000 χ^2/NDF : 4536860.7/73

- sign 0.005+/-0.000 χ^2/NDF : 2190232.2/36

yield_bpm0l06X_mean vs Slug



Right In: 2.015 $\pm$ 0.000 χ^2 /NDF: 12228403202.6/16

Left Out: 2.551 $\pm$ 0.000 χ^2 /NDF: 48816142794.0/19

Right Out: 1.944 $\pm$ 0.000 χ^2 /NDF: 21427099579.0/18

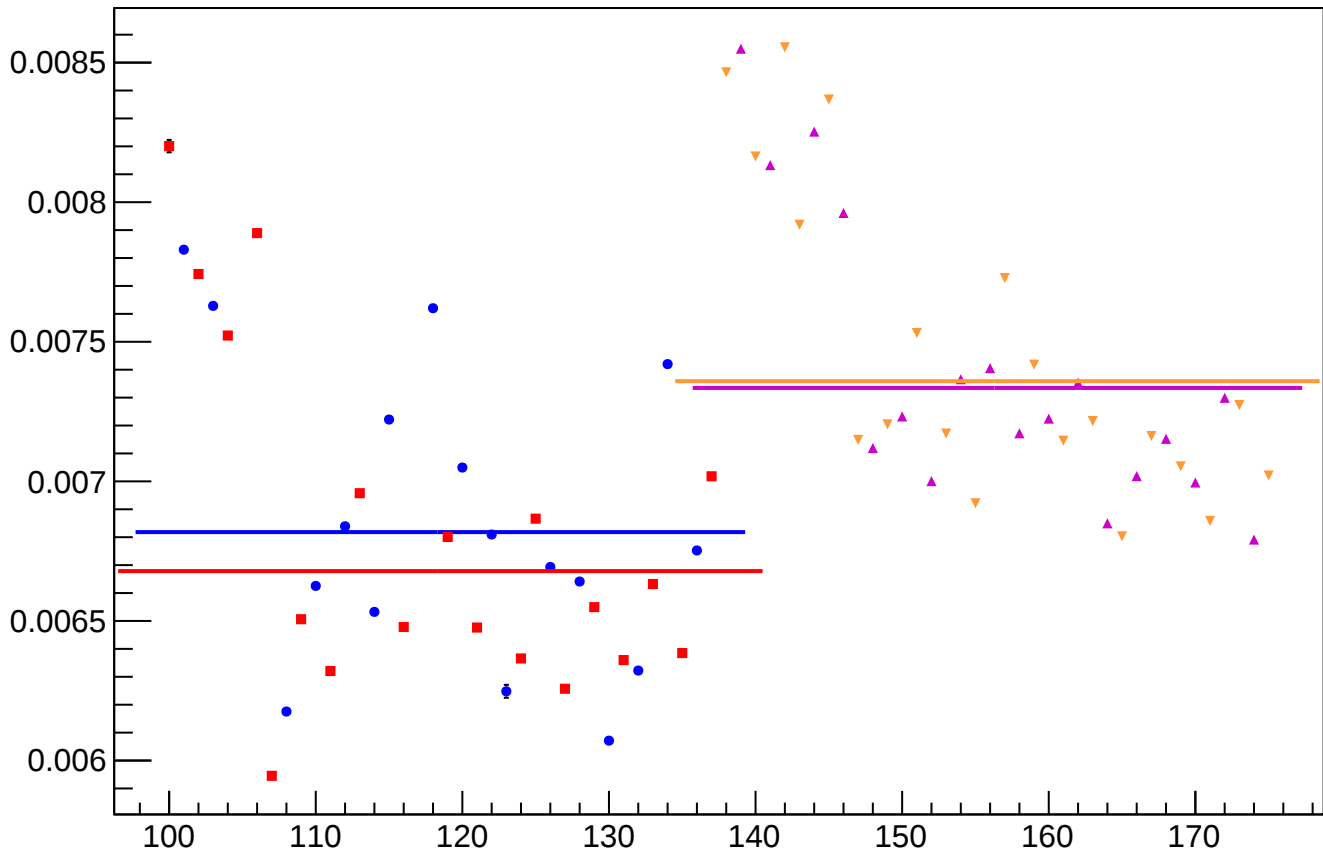
Left In: 2.603 $\pm$ 0.000 χ^2 /NDF: 41490681577.7/17

+ sign 2.368 $\pm$ 0.000 χ^2 /NDF: 86913411154.2/36

All: 2.360 $\pm$ 0.000 χ^2 /NDF: 190808587333.5

- sign 2.352 $\pm$ 0.000 χ^2 /NDF: 103844088816.7/36

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 75813.9/16

Left Out: 0.007+/-0.000 χ^2/NDF :119572.2/19

Right Out: 0.007+/-0.000 χ^2/NDF : 75718.4/18

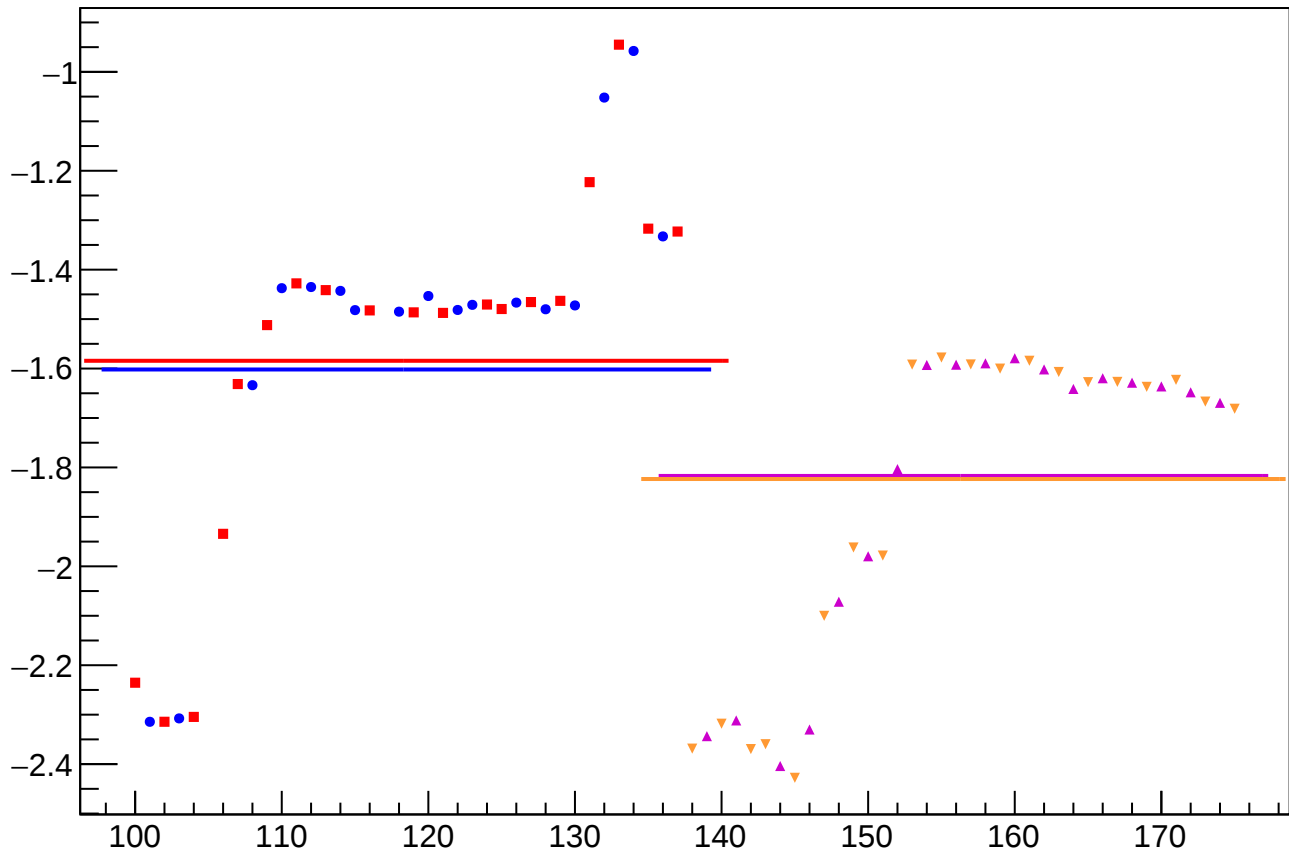
Left In: 0.007+/-0.000 χ^2/NDF :100427.6/17

+ sign 0.007+/-0.000 χ^2/NDF : 247969.1/36

All: 0.007+/-0.000 χ^2/NDF : 508352.0/73

- sign 0.007+/-0.000 χ^2/NDF : 257224.2/36

yield_bpm0l06Y_mean vs Slug



Right In: -1.602 ± 0.000 χ^2/NDF : 140200656044.3/16

Left Out: -1.823 ± 0.000 χ^2/NDF : 174518709708.5/19

Right Out: -1.584 ± 0.000 χ^2/NDF : 143578606614.3/18

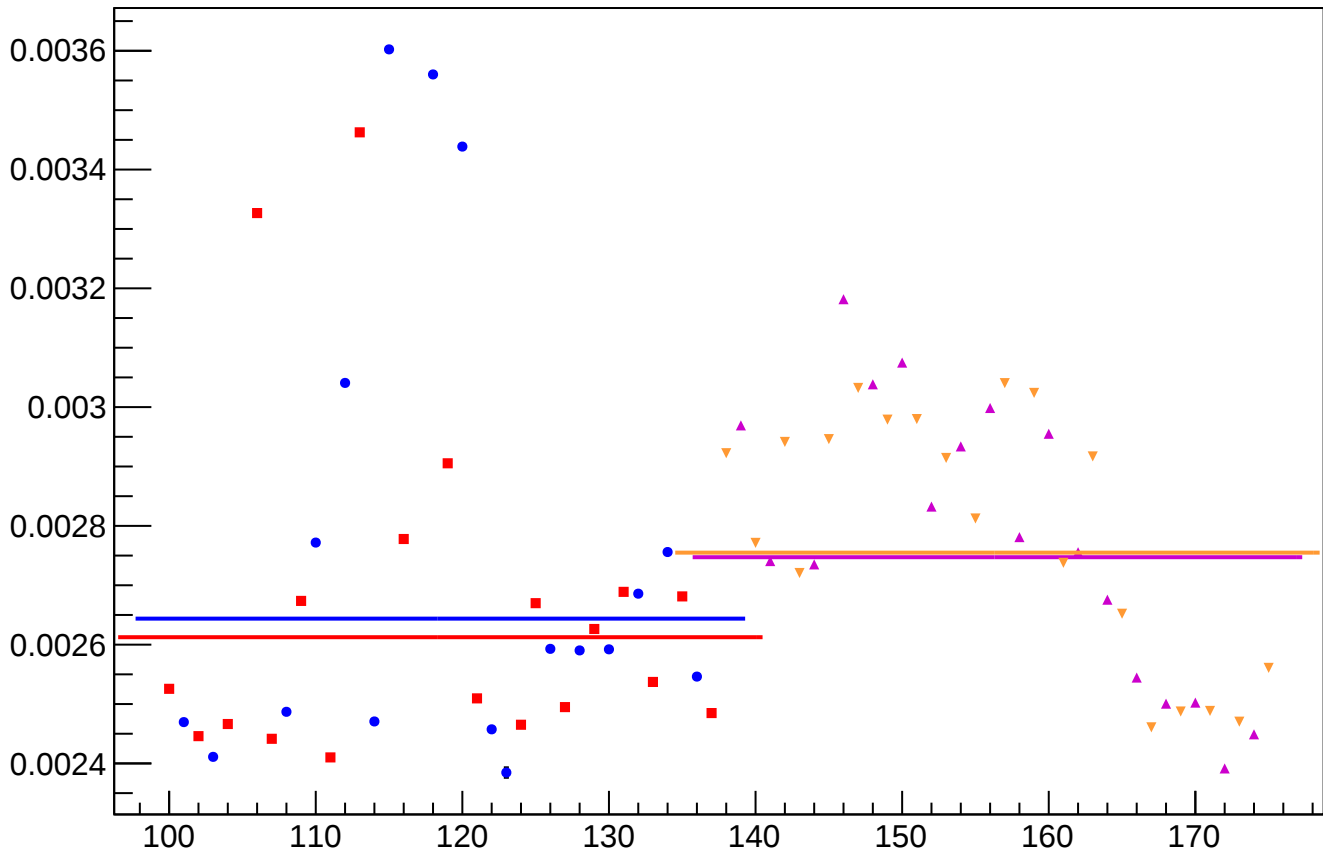
Left In: -1.817 ± 0.000 χ^2/NDF : 153845642427.6/17

+ sign -1.751 ± 0.000 χ^2/NDF : 344496690464.1/36

All: -1.743 ± 0.000 χ^2/NDF : 676429576473.9

- sign -1.734 ± 0.000 χ^2/NDF : 331506449167.6/36

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 151383.5/16

Left Out: 0.003+/-0.000 χ^2/NDF :165298.2/19

Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

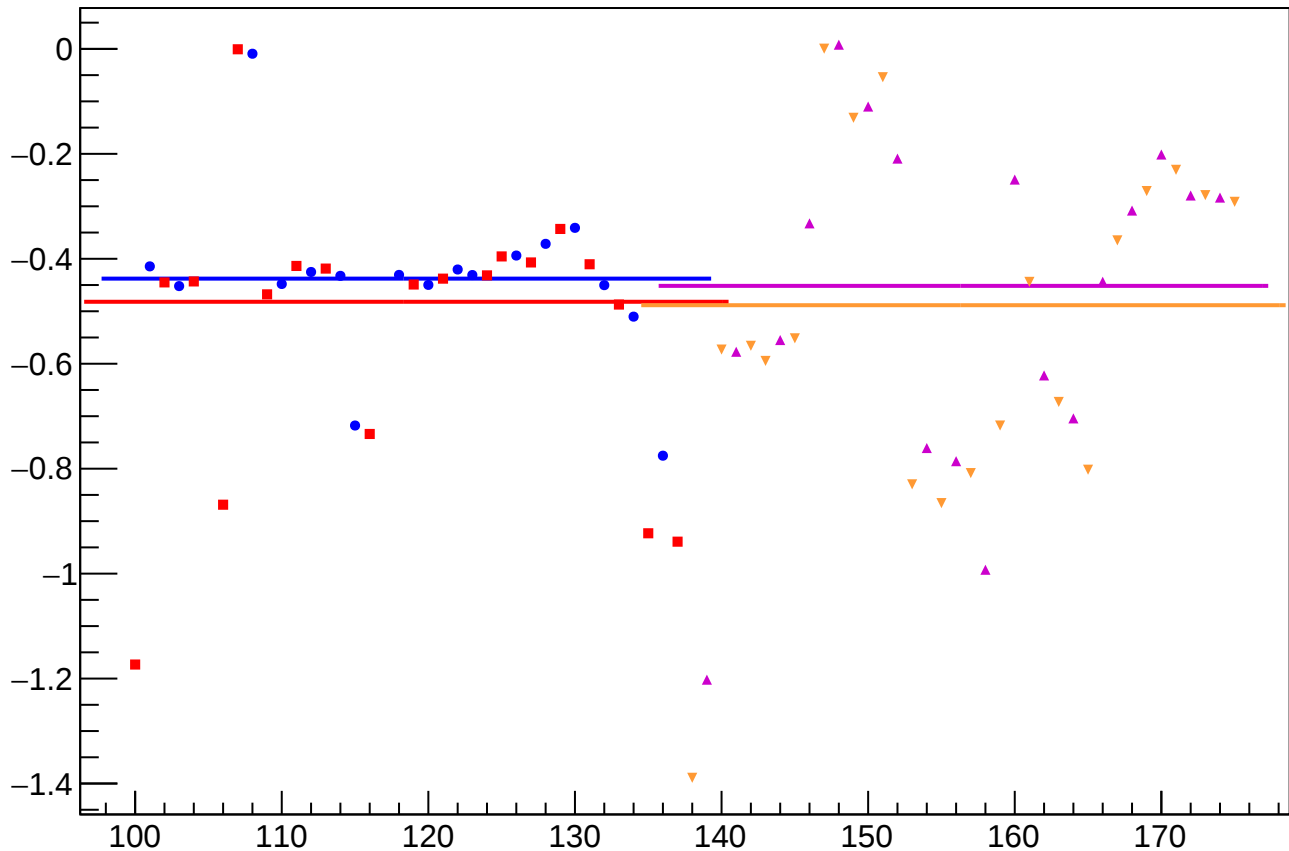
Left In: 0.003+/-0.000 χ^2/NDF :183297.5/17

+ sign 0.003+/-0.000 χ^2/NDF : 331672.1/36

All: 0.003+/-0.000 χ^2/NDF : 644148.2/73

- sign 0.003+/-0.000 χ^2/NDF : 311395.2/36

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.488+/-0.000 χ^2/NDF : 9456157868.1/19

Right Out: -0.482+/-0.000 χ^2/NDF : 2694625740.7/18

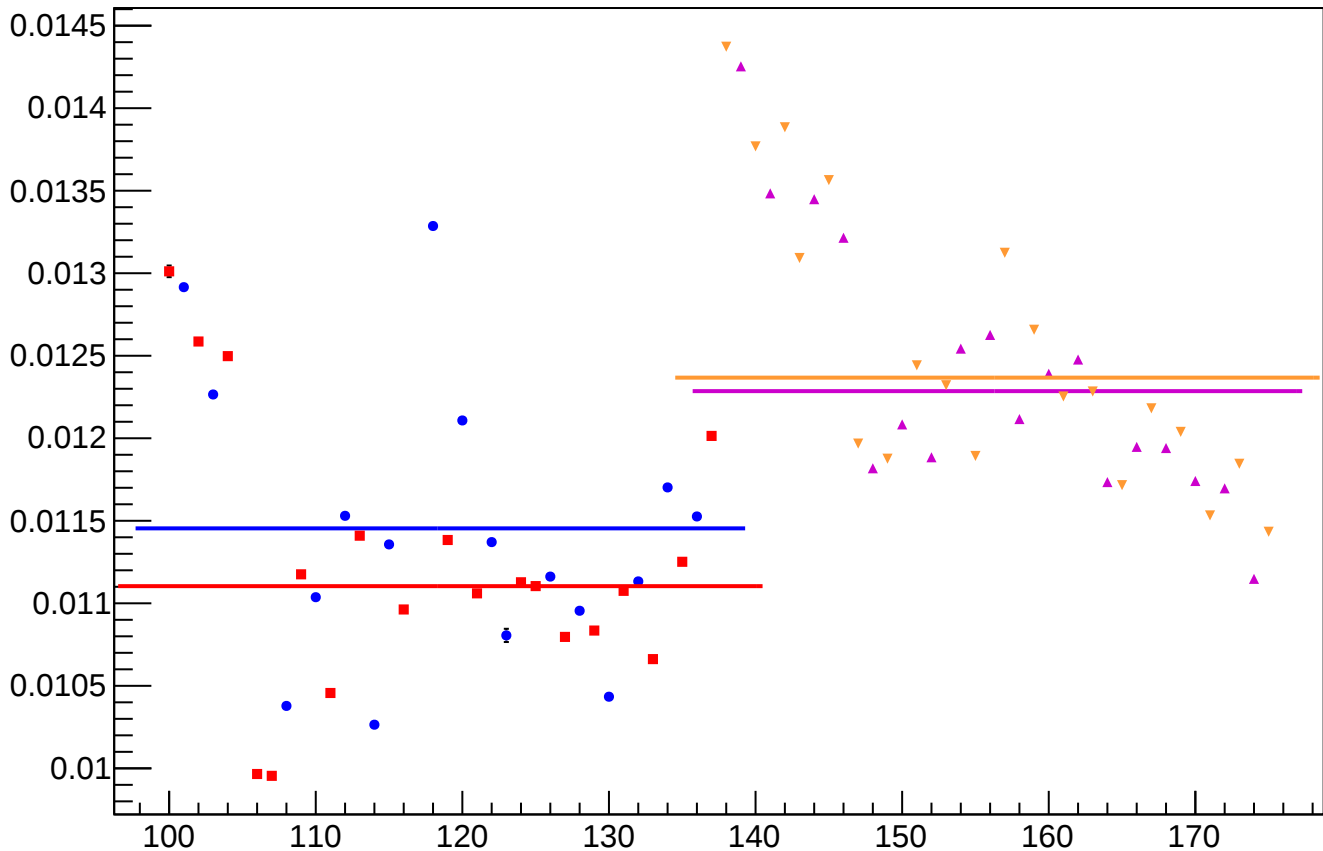
Left In: -0.452+/-0.000 χ^2/NDF : 8143891564.9/17

+ sign -0.471+/-0.000 χ^2/NDF : 11001544972.1/36

All: -0.467+/-0.000 χ^2/NDF : 21875689452.1/36

- sign -0.463+/-0.000 χ^2/NDF : 10870056329.6/36

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 :105093.1/19

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

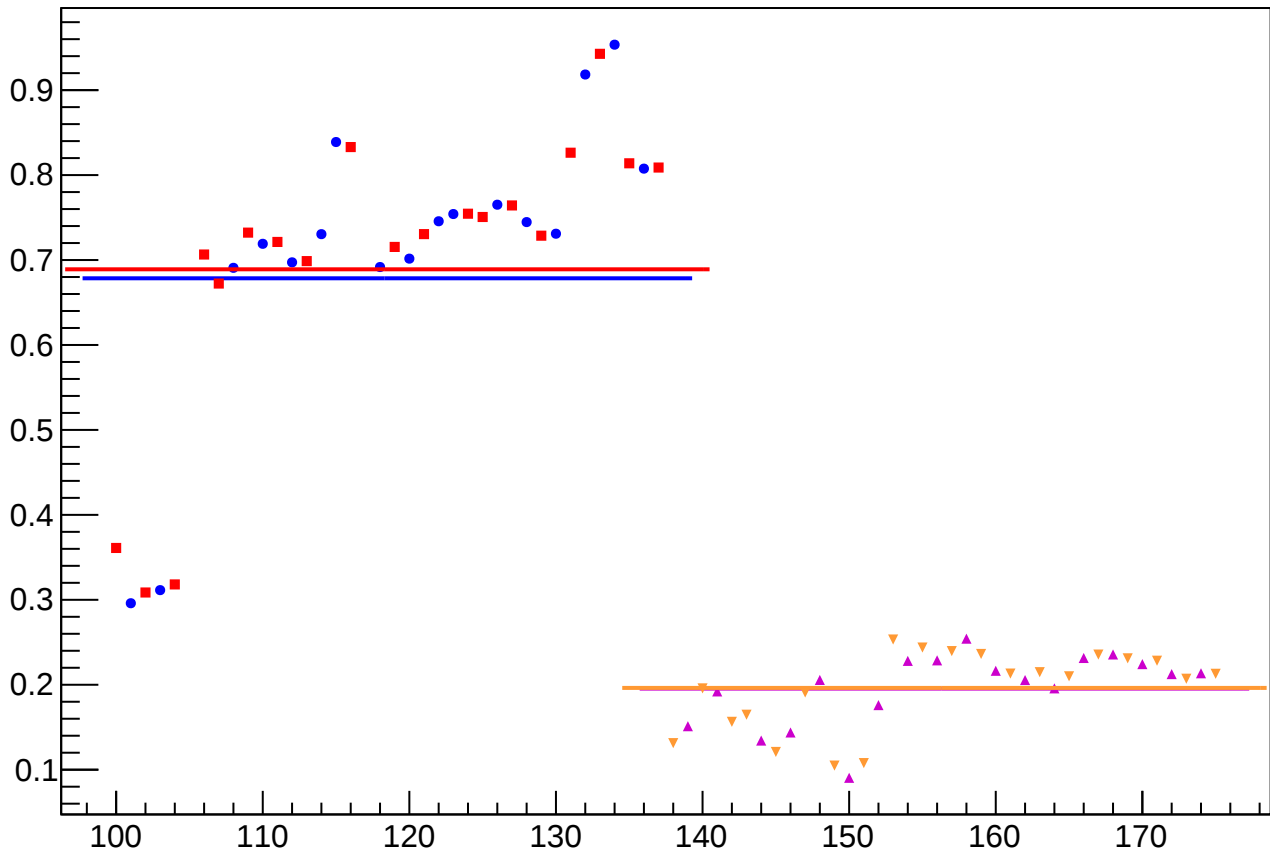
Left In: 0.012+/-0.000 χ^2/NDF :90950.2/17

+ sign 0.012+/-0.000 χ^2/NDF : 223644.0/36

All: 0.012+/-0.000 χ^2/NDF : 473903.0/73

- sign 0.012+/-0.000 χ^2/NDF : 242862.7/36

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.196 $\pm$ 0.000 χ^2 /NDF: 6588298474.7/19

Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

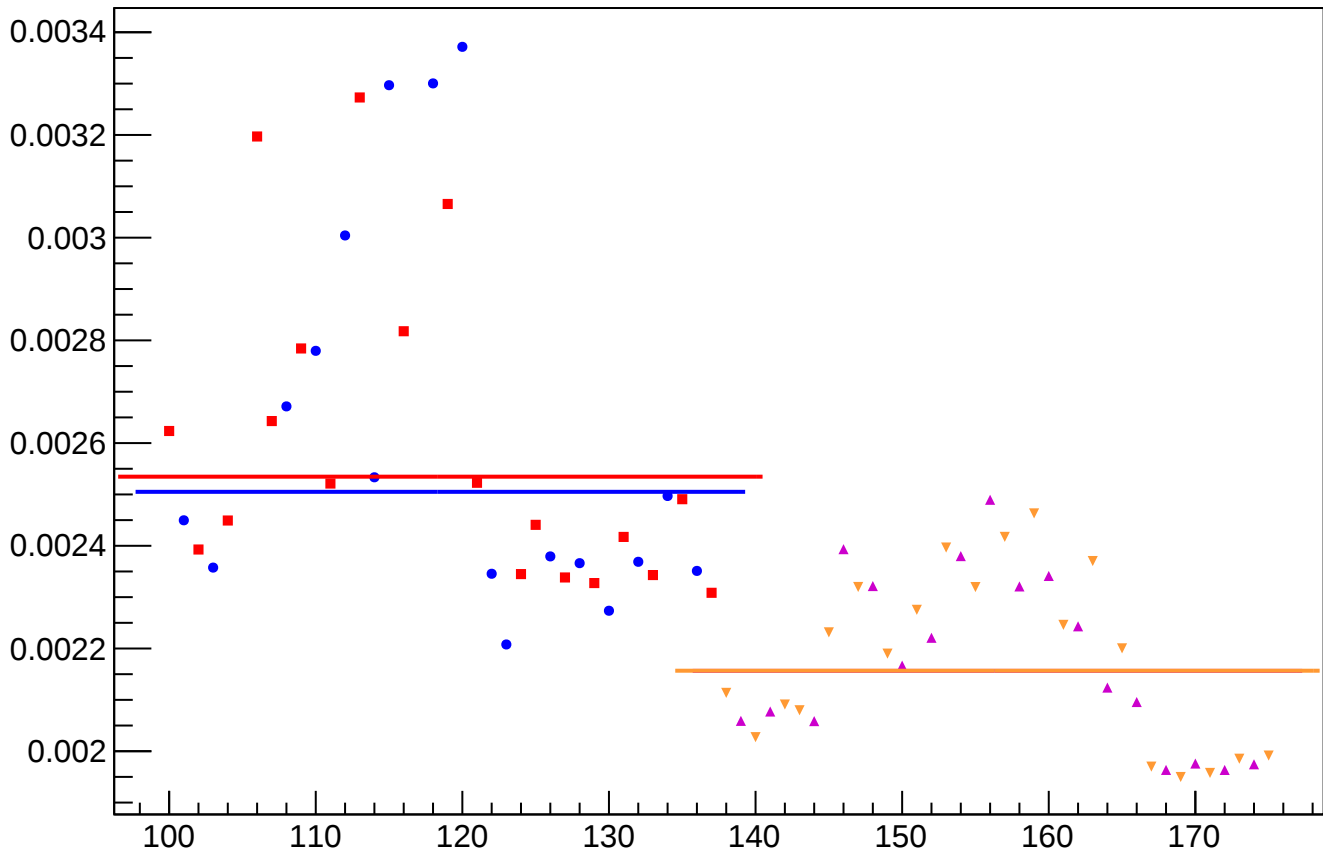
Left In: 0.195 $\pm$ 0.000 χ^2 /NDF: 5227297387.5/17

+ sign 0.313 $\pm$ 0.000 χ^2 /NDF: 224003185638.3/36

All: 0.319 $\pm$ 0.000 χ^2 /NDF: 452638798214.4

- sign 0.324 $\pm$ 0.000 χ^2 /NDF: 228372794600.2/36

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 :175293.9/19

Right Out: 0.003+/-0.000 χ^2/NDF : 131609.0/18

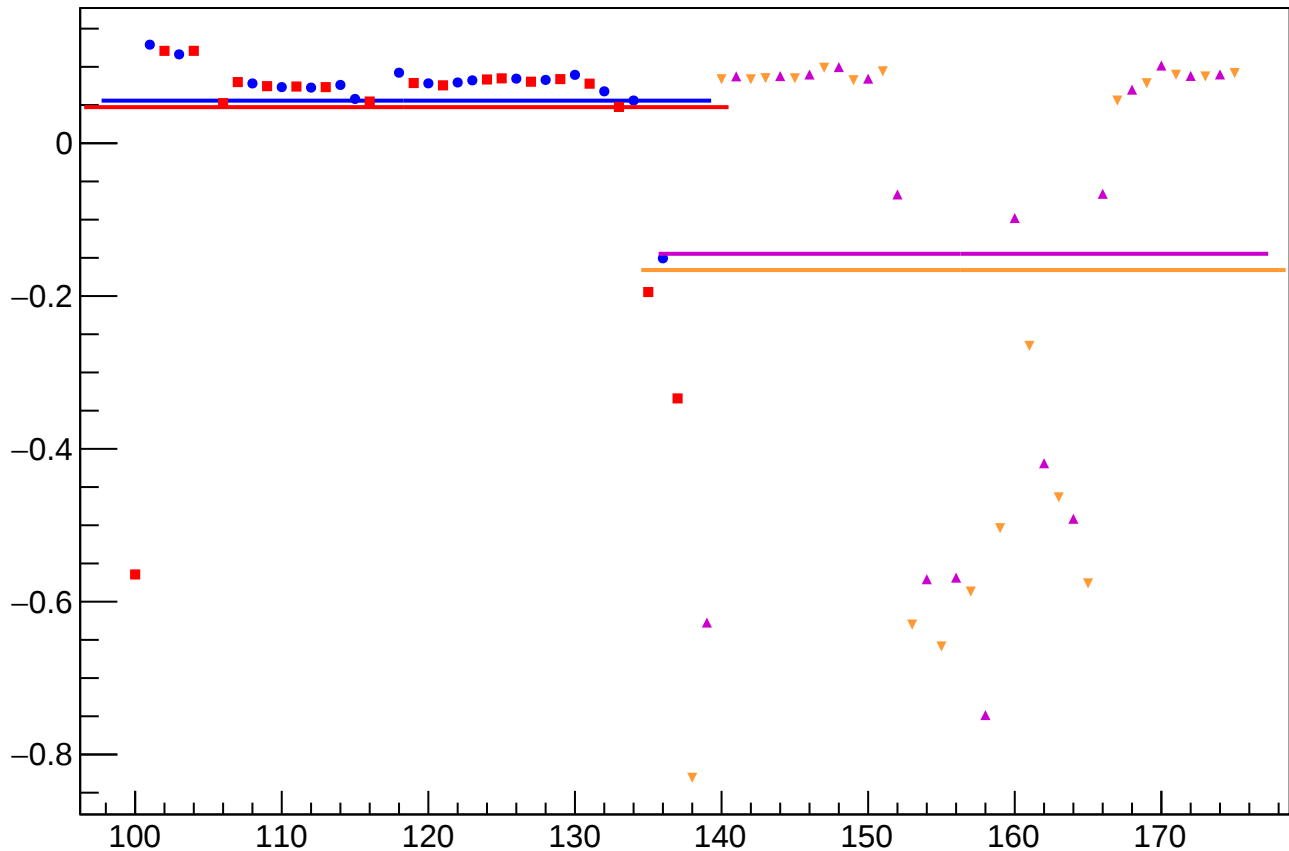
Left In: 0.002+/-0.000 χ^2/NDF :153698.7/17

+ sign 0.002+/-0.000 χ^2/NDF : 537542.8/36

All: 0.002+/-0.000 χ^2/NDF : 1044153.6/73

- sign 0.002+/-0.000 χ^2/NDF : 505801.1/36

yield_bpm0l08X_mean vs Slug



Right In: 0.056 $\pm$ 0.000 χ^2 /NDF: 423003688.1/16

Left Out: -0.166 $\pm$ 0.000 χ^2 /NDF: 12121465465.5/19

Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 819588537.2/18

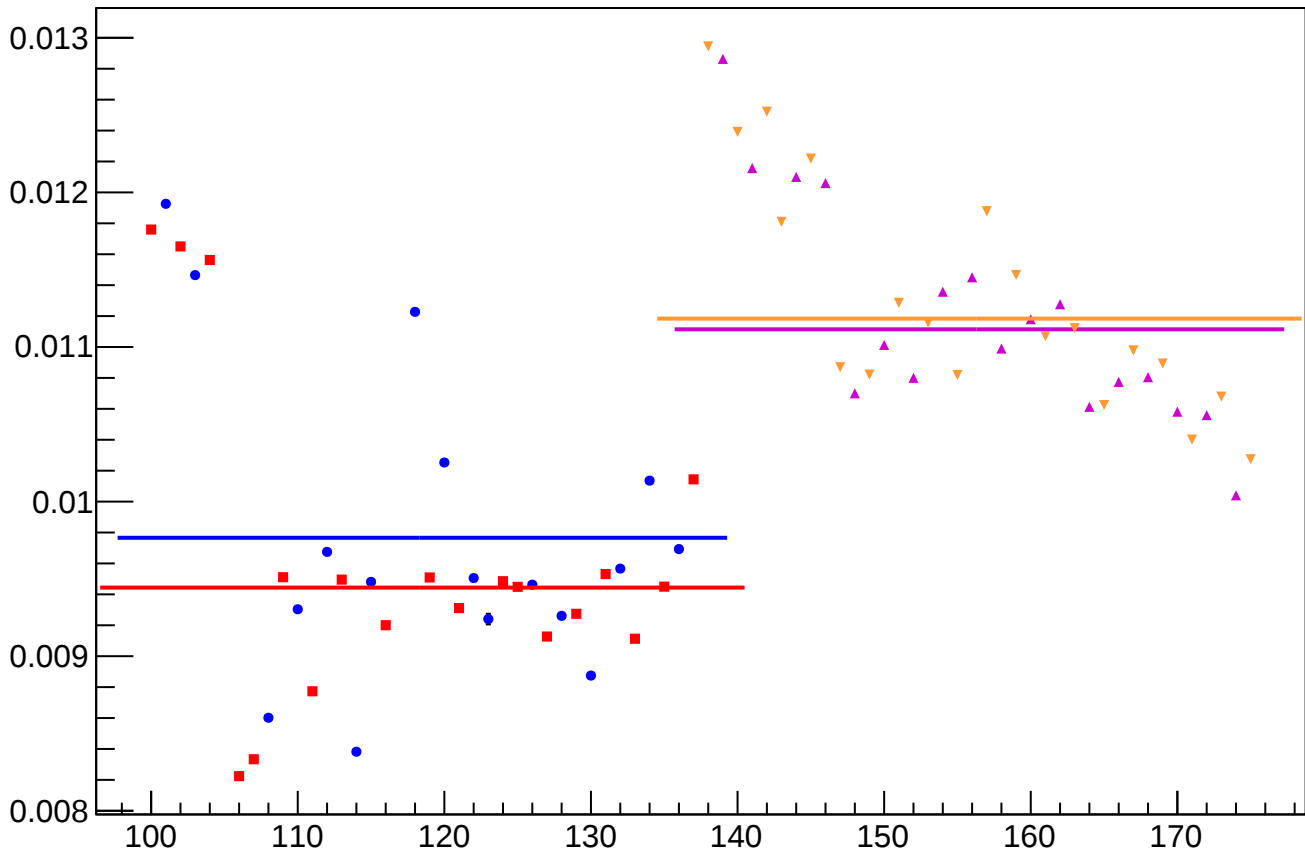
Left In: -0.145 $\pm$ 0.000 χ^2 /NDF: 9753837156.5/17

+ sign -0.084 $\pm$ 0.000 χ^2 /NDF: 14631276412.6/36

All: -0.074 $\pm$ 0.000 χ^2 /NDF: 26897263649.5/36

- sign -0.064 $\pm$ 0.000 χ^2 /NDF: 12231649496.0/36

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:102038.0/19

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 110693.8/18

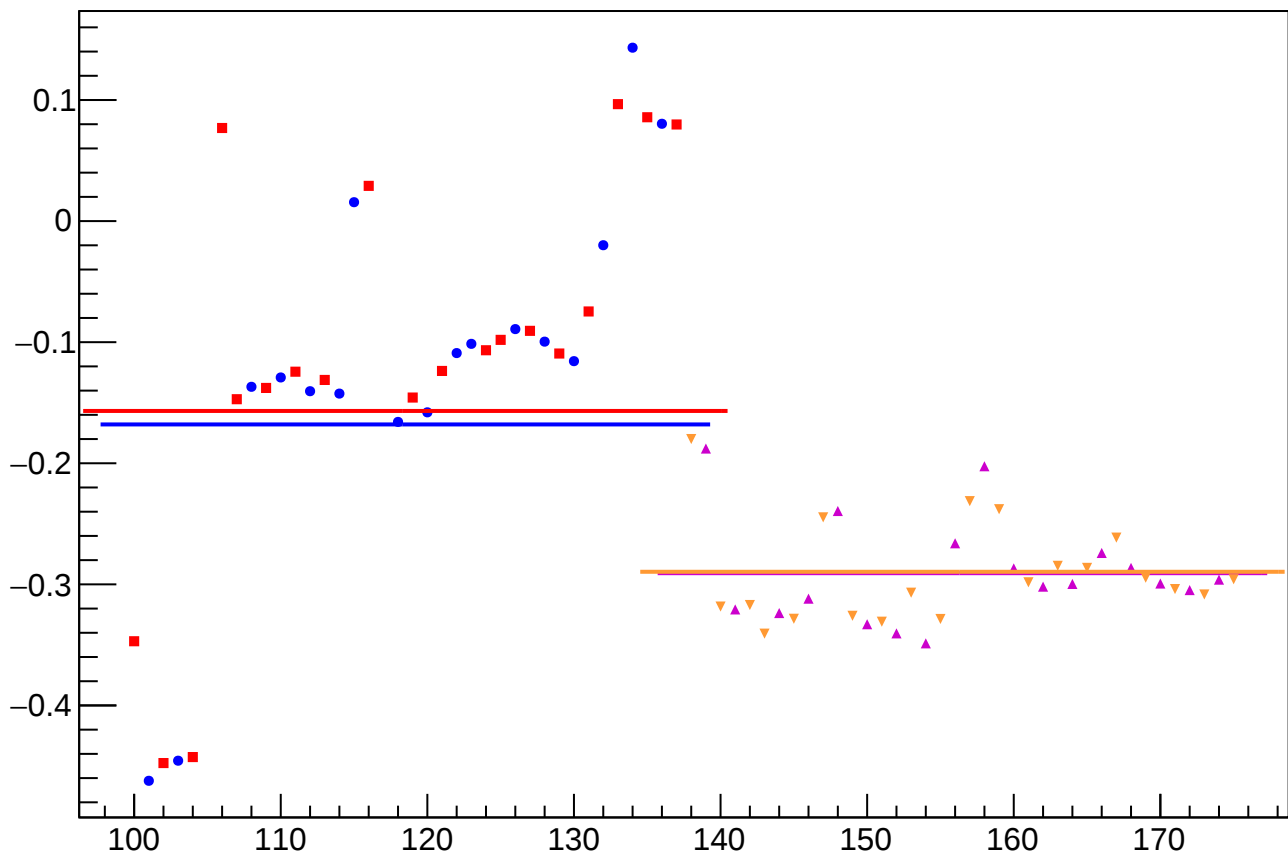
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:91576.9/17

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 389362.9/36

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 853677.0/73

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 453529.0/36

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.290+/-0.000 χ^2/NDF : 2850896909.6/19

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

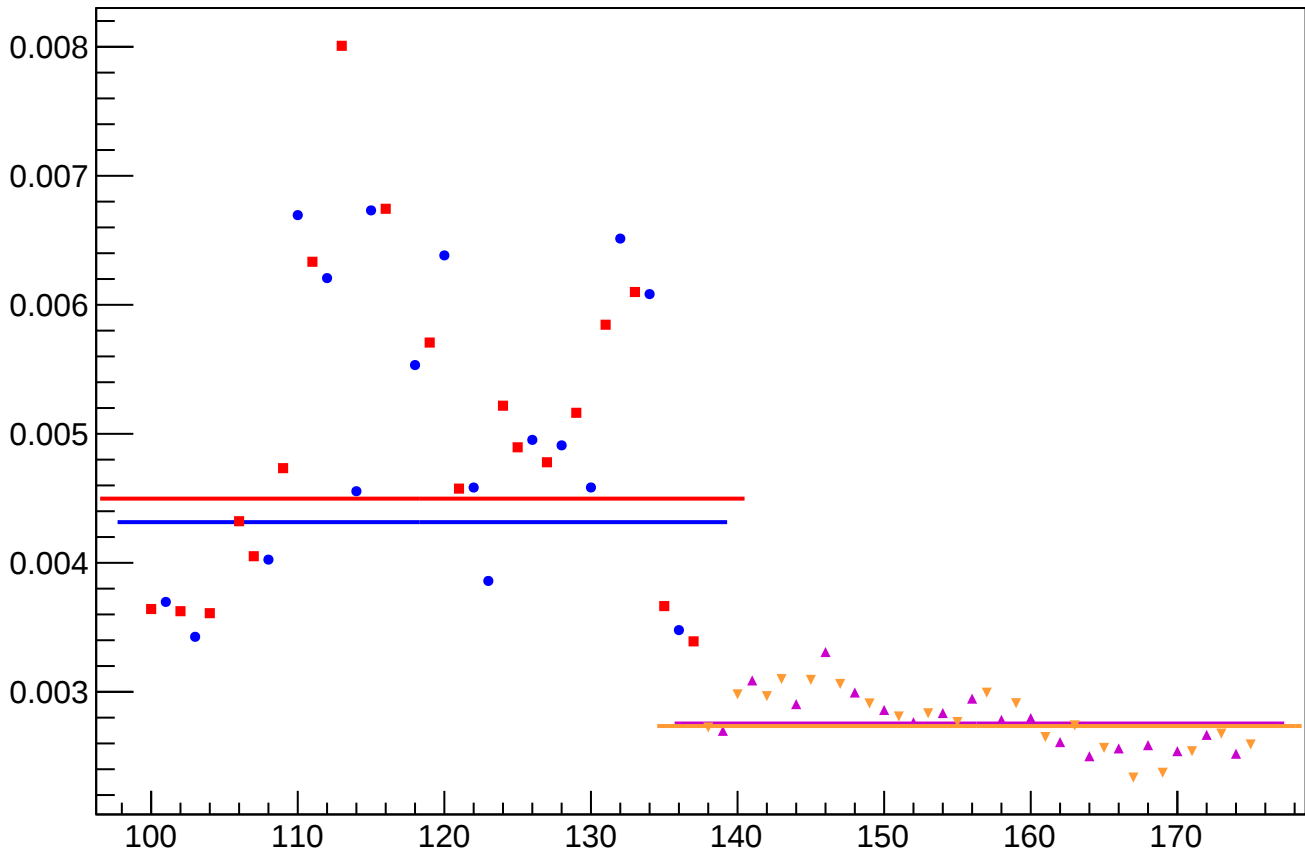
Left In: -0.291+/-0.000 χ^2/NDF : 3117717571.9/17

+ sign -0.273+/-0.000 χ^2/NDF : 19153333363.8/36

All: -0.272+/-0.000 χ^2/NDF : 37996607448.3/36

- sign -0.271+/-0.000 χ^2/NDF : 18839774986.3/36

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:195650.8/19

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 649708.4/18

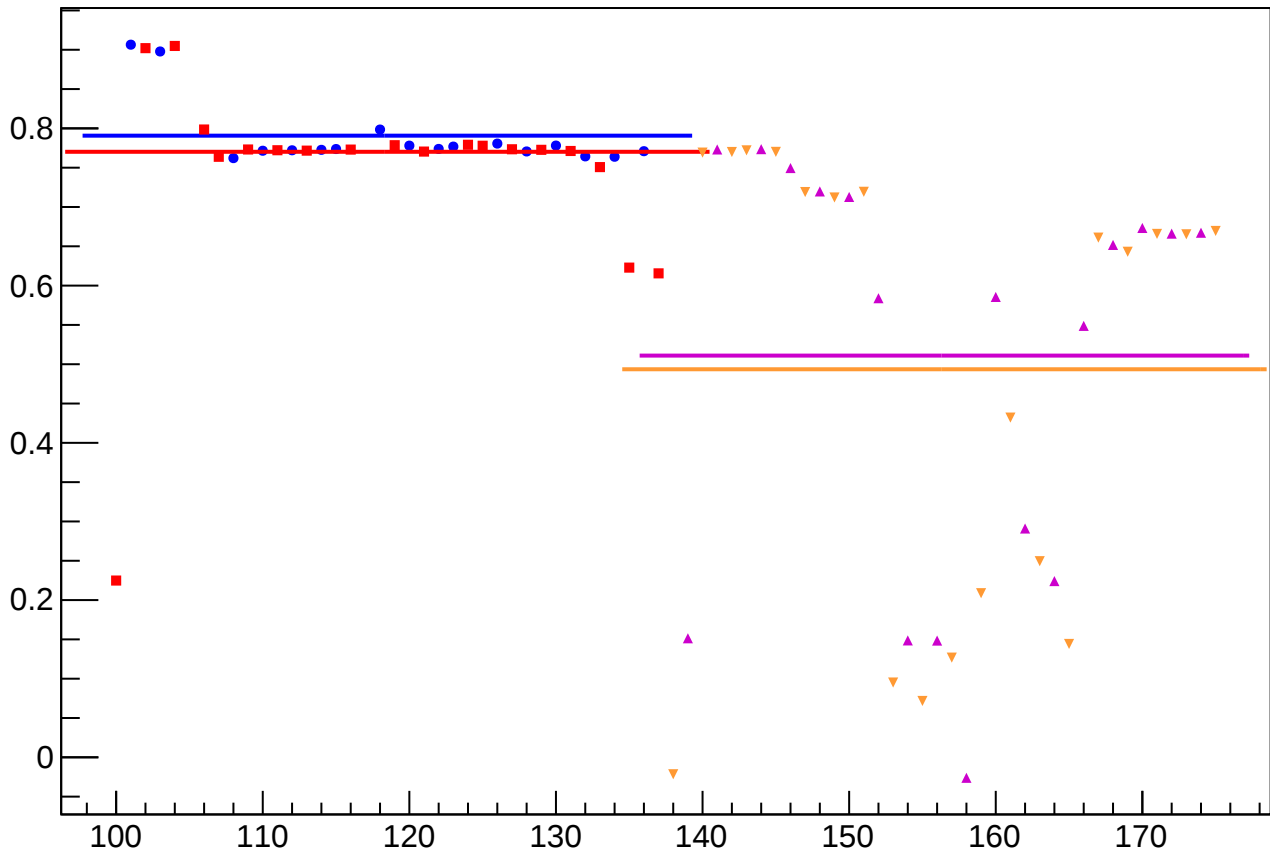
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:137405.6/17

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2155137.9/36

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4539155.9/73

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2376666.4/36

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.494 $\pm$ 0.000 χ^2 /NDF: 9058306923.2/19

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375442189.7/18

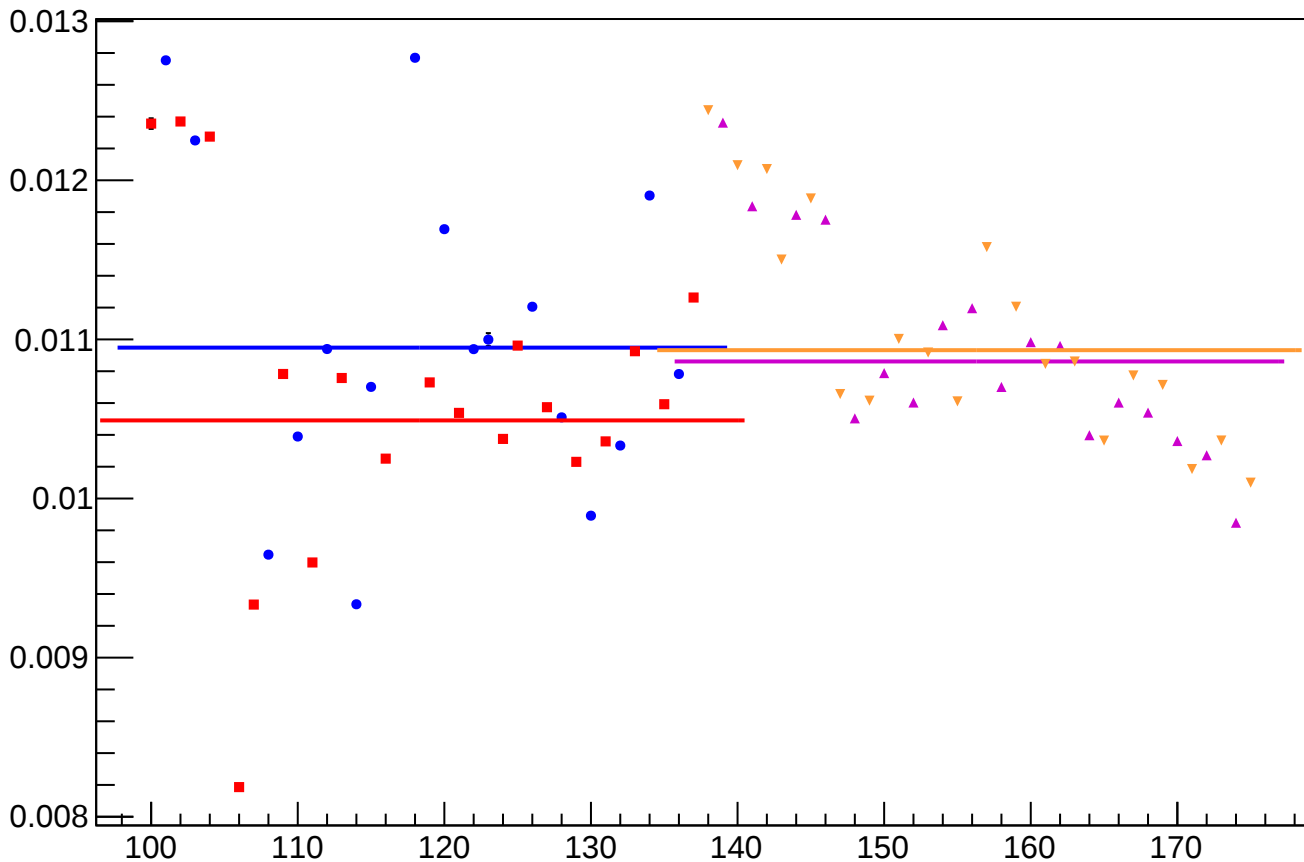
Left In: 0.511 $\pm$ 0.000 χ^2 /NDF: 7443702003.0/17

+ sign 0.585 $\pm$ 0.000 χ^2 /NDF: 12447052276.2/36

All: 0.594 $\pm$ 0.000 χ^2 /NDF: 23007271373.9/7

- sign 0.603 $\pm$ 0.000 χ^2 /NDF: 10531654234.5/36

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 : 90788.2/19

Right Out: 0.010+/-0.000 χ^2/NDF : 119420.8/18

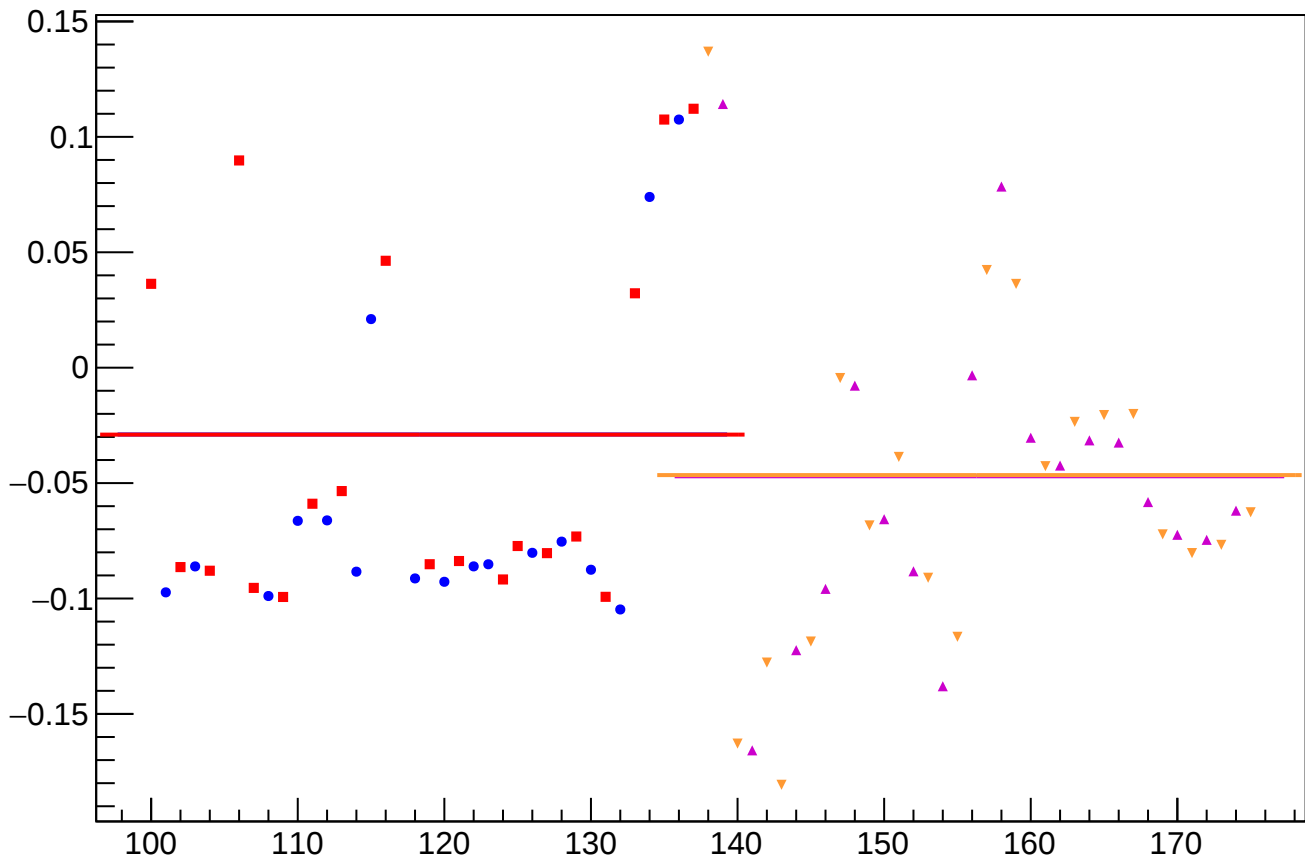
Left In: 0.011+/-0.000 χ^2/NDF : 82540.4/17

+ sign 0.011+/-0.000 χ^2/NDF : 189358.8/36

All: 0.011+/-0.000 χ^2/NDF : 409967.5/73

- sign 0.011+/-0.000 χ^2/NDF : 213045.2/36

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.047+/-0.000 χ^2/NDF : 7091037489.5/19

Right Out: -0.029+/-0.000 χ^2/NDF : 2113349669.8/18

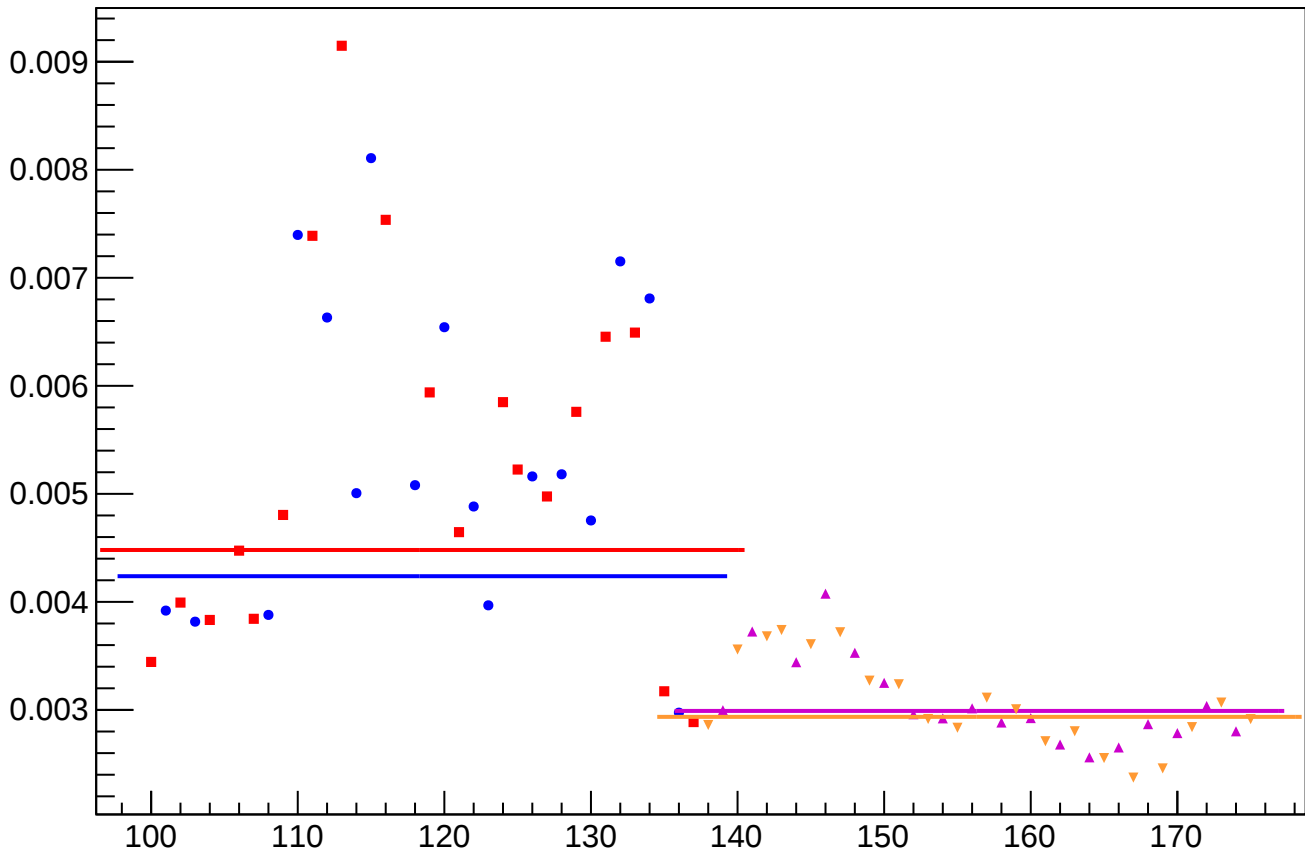
Left In: -0.047+/-0.000 χ^2/NDF : 6031643541.0/17

+ sign -0.044+/-0.000 χ^2/NDF : 9616319578.8/36

All: -0.044+/-0.000 χ^2/NDF : 17840367975.8/36

- sign -0.044+/-0.000 χ^2/NDF : 8223977000.5/36

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 881584.1/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:464076.8/19

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 984186.1/18

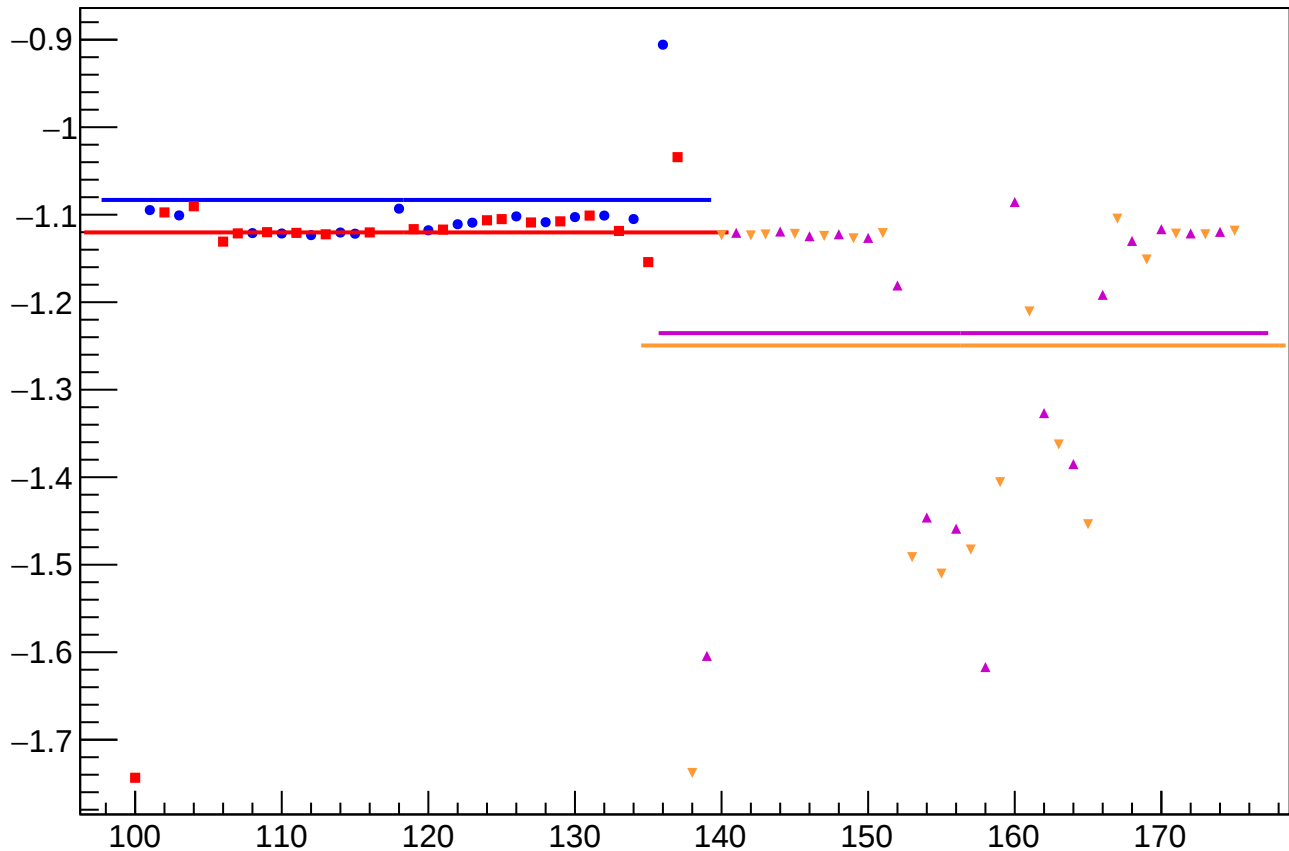
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:316064.0/17

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2214669.0/36

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4607918.9/73

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2375631.6/36

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.249+/-0.000 χ^2/NDF : 4749424232.6/19

Right Out: -1.120+/-0.000 χ^2/NDF : 220571280.7/18

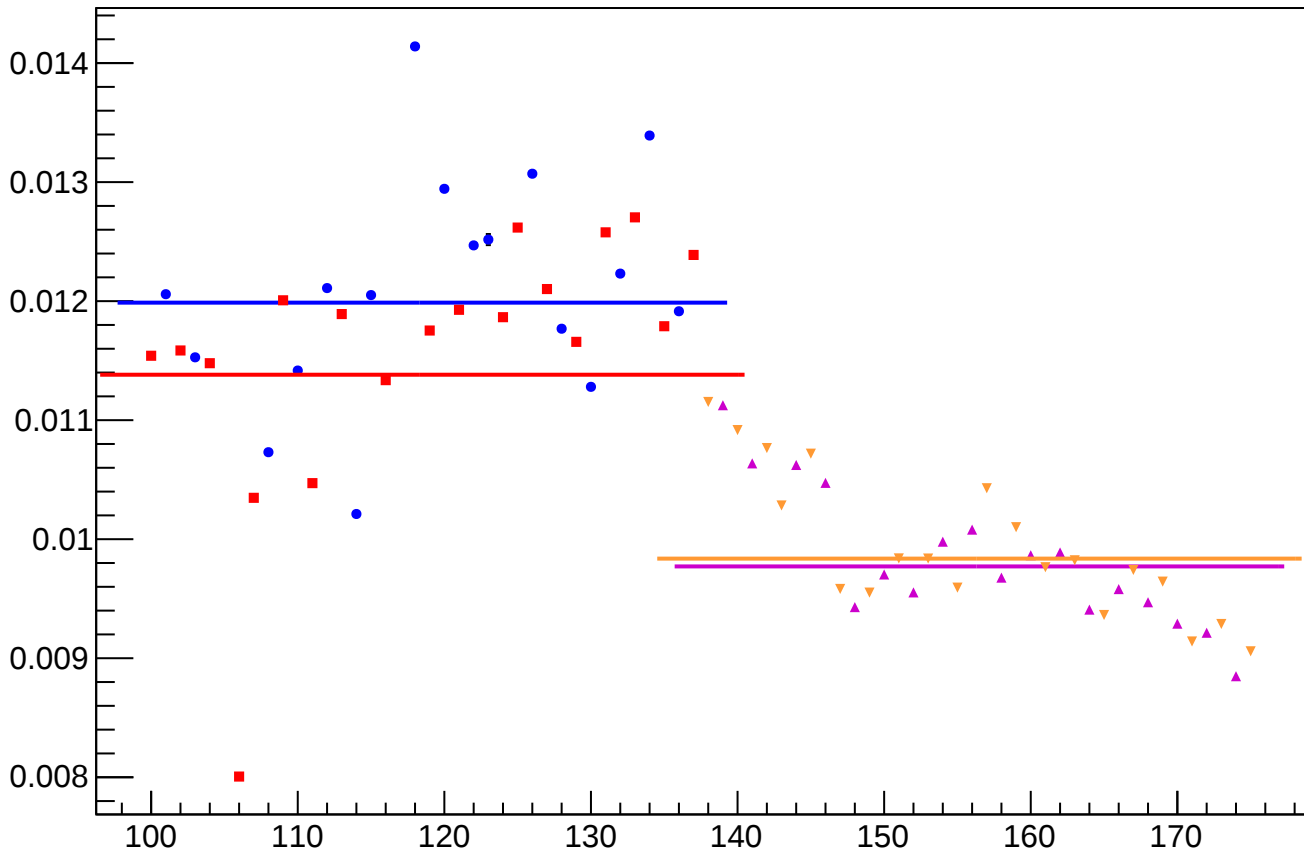
Left In: -1.235+/-0.000 χ^2/NDF : 4089409937.7/17

+ sign -1.211+/-0.000 χ^2/NDF : 5905803681.8/36

All: -1.208+/-0.000 χ^2/NDF : 10729758370.6/36

- sign -1.204+/-0.000 χ^2/NDF : 4818900474.0/36

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:91171.4/19

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

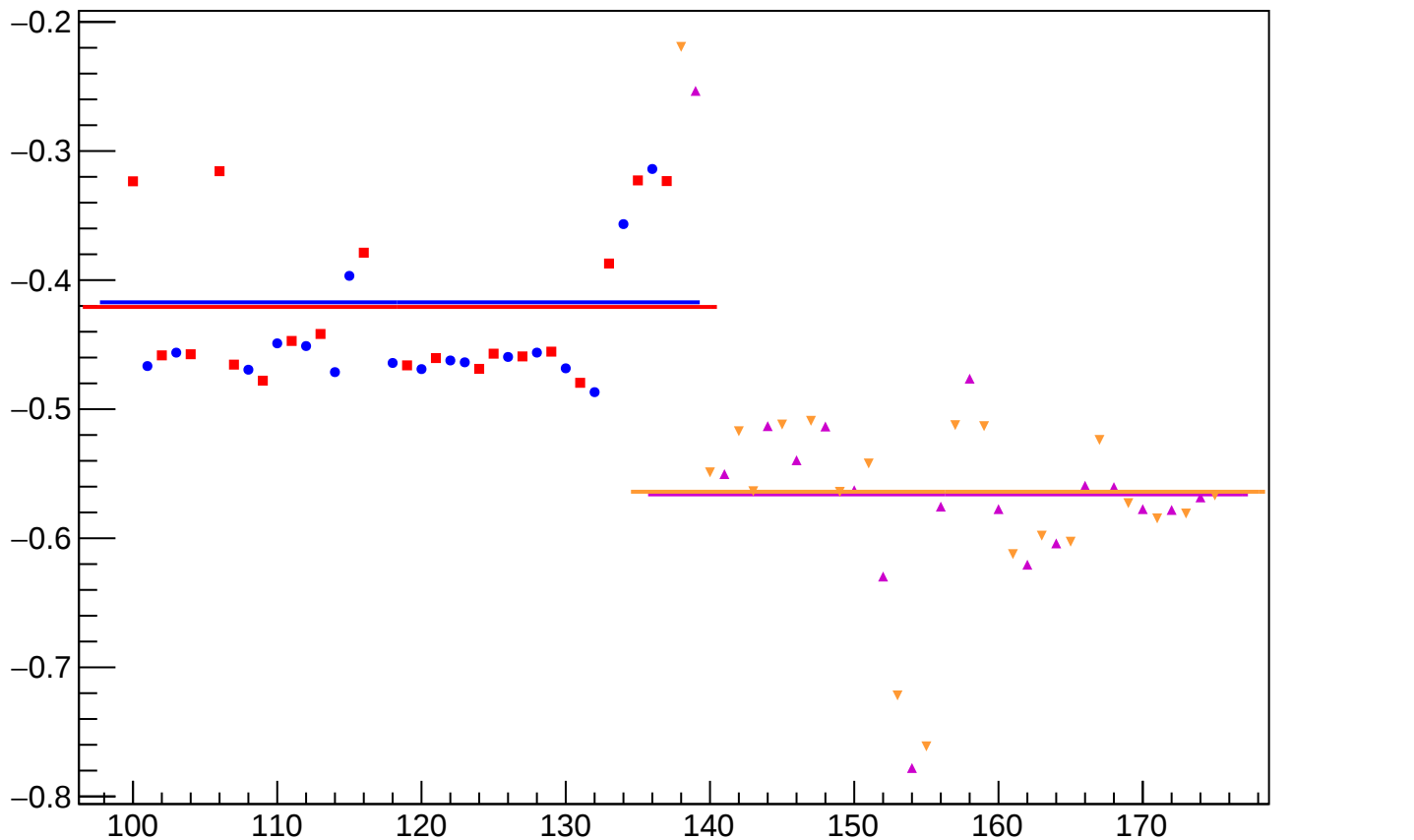
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:82288.3/17

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 470392.3/36

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 909351.7/73

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 436099.7/36

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2 /NDF: 2039045143.8/16

Left Out: -0.564+/-0.000 χ^2 /NDF: 13310484066.5/19

Right Out: -0.421+/-0.000 χ^2 /NDF: 1646463410.7/18

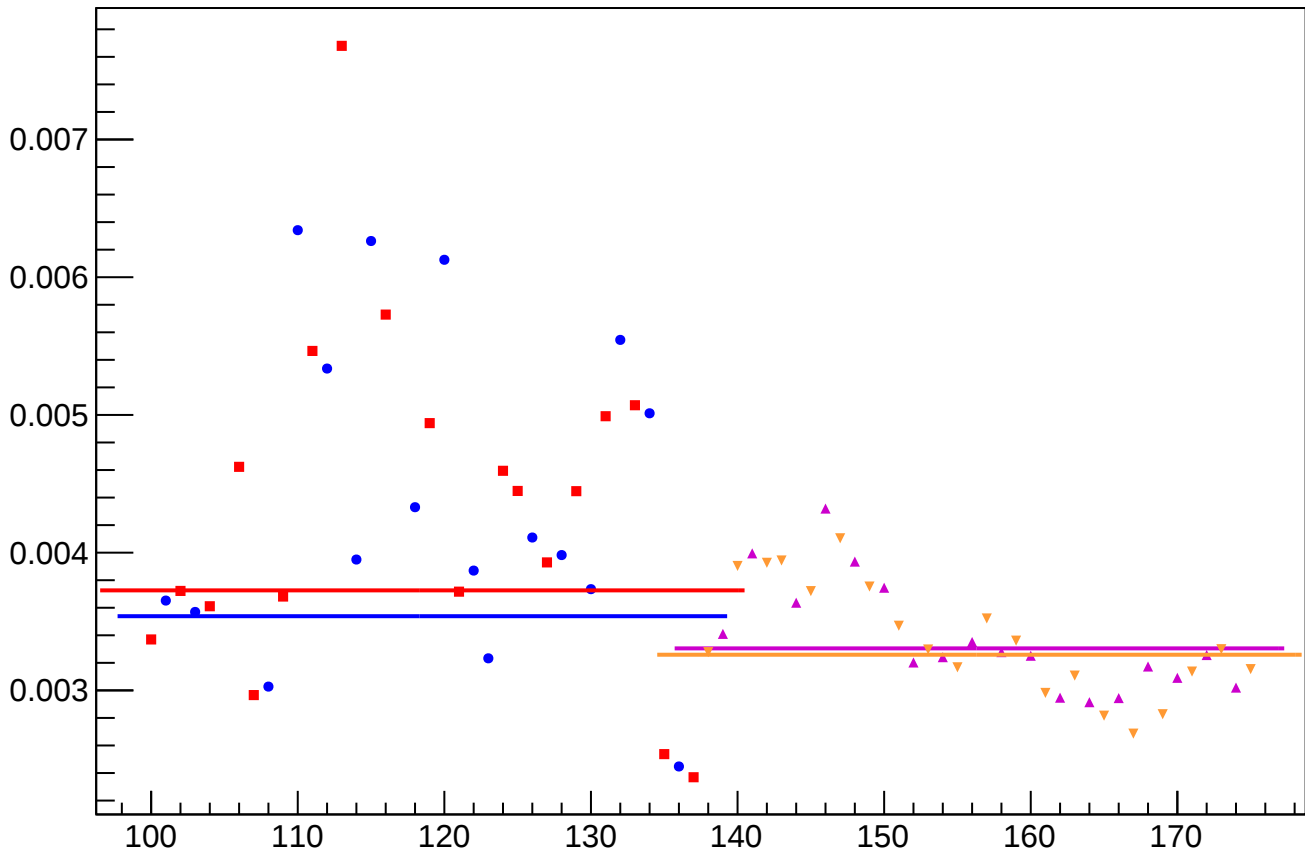
Left In: -0.566+/-0.000 χ^2 /NDF: 10431883565.1/17

+ sign -0.527+/-0.000 χ^2 /NDF: 22381132145.1/36

All: -0.528+/-0.000 χ^2 /NDF: 41015871755.8/36

- sign -0.528+/-0.000 χ^2 /NDF: 18634638948.1/36

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:374539.0/19

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 898447.6/18

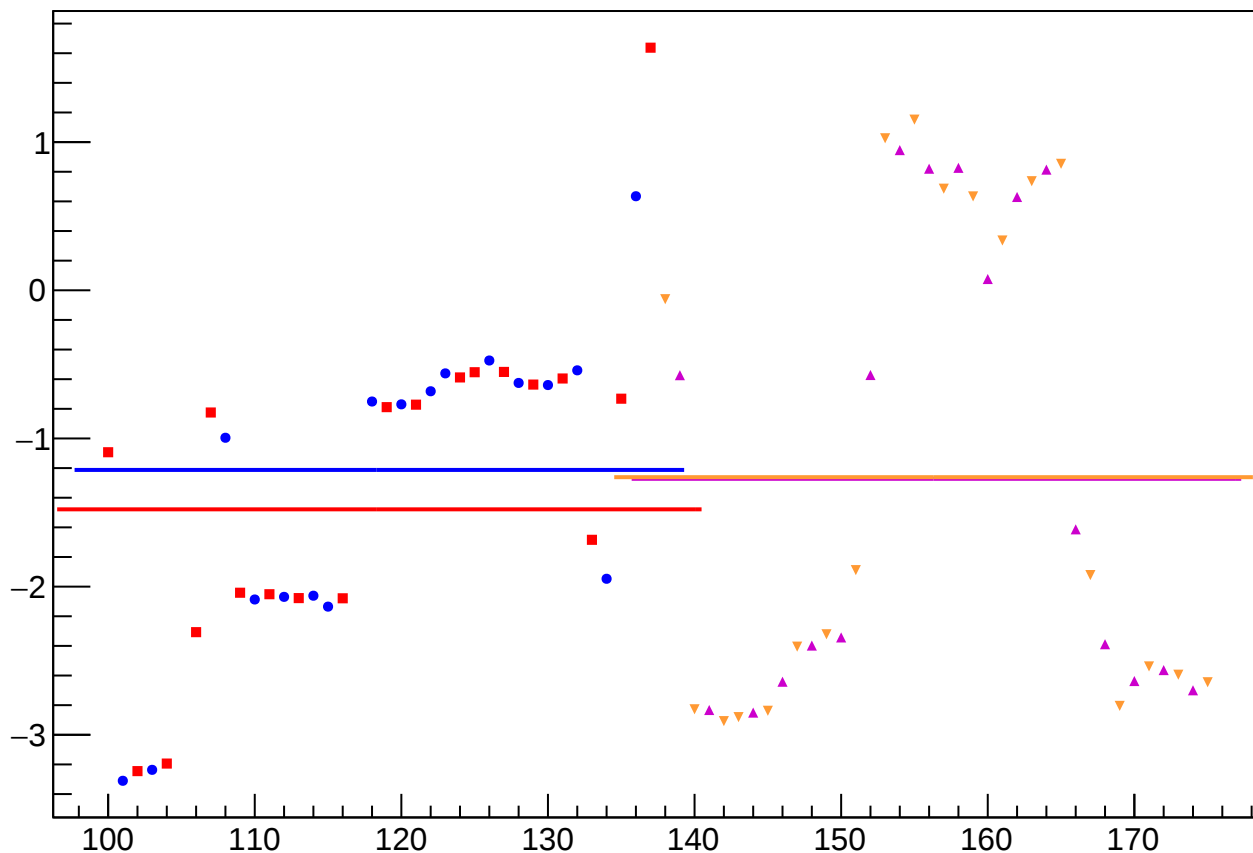
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:276224.6/17

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1261810.6/36

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2559603.2/73

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1285047.5/36

yield_bpm0r03X_mean vs Slug



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -1.261+/-0.000 χ^2/NDF : 6708406159.5/19

Right Out: -1.478+/-0.000 χ^2/NDF : 1578264383.8/18

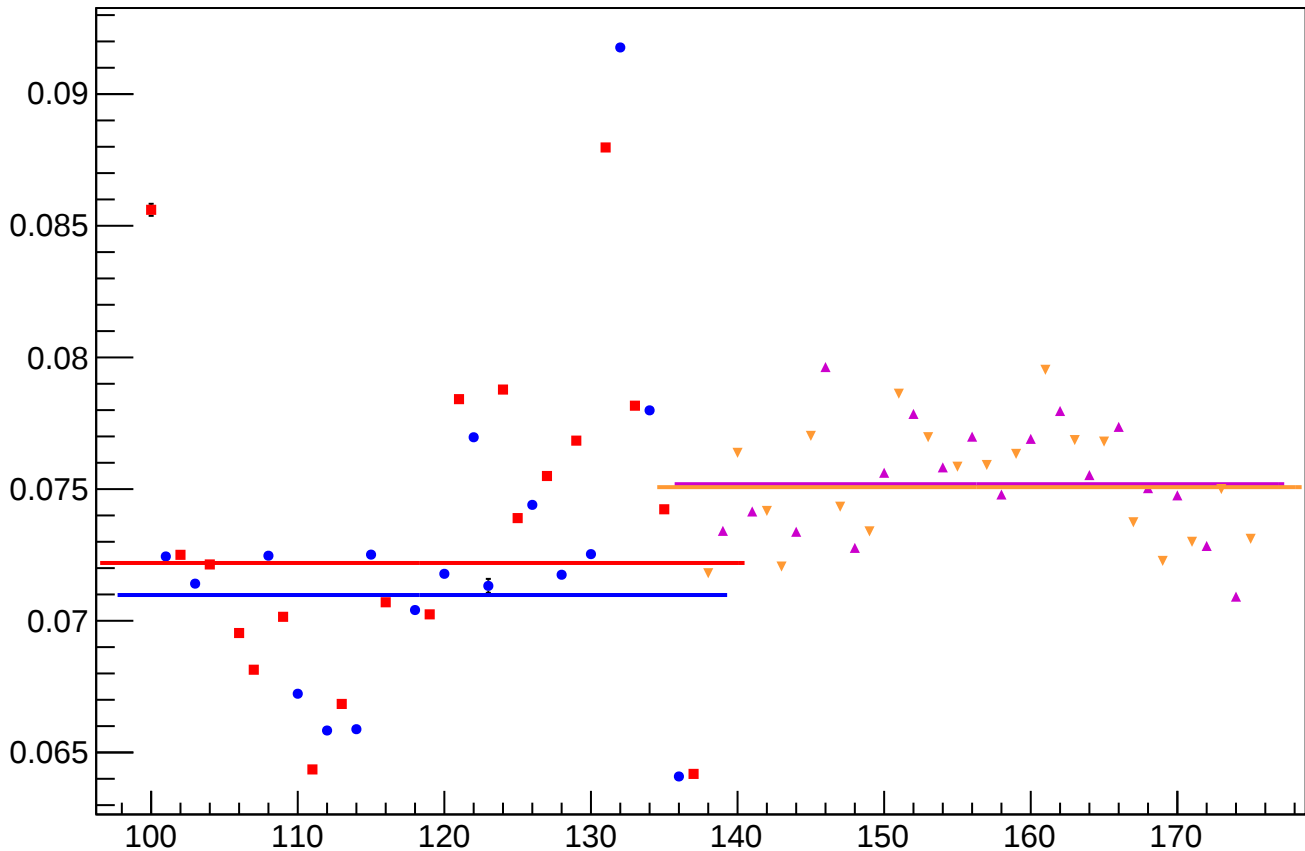
Left In: -1.272+/-0.000 χ^2/NDF : 5498741569.5/17

+ sign -1.245+/-0.000 χ^2/NDF : 8703345564.8/36

All: -1.294+/-0.000 χ^2/NDF : 15836271821.3/36

- sign -1.346+/-0.000 χ^2/NDF : 7113514583.1/36

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.075+/-0.000 χ^2/NDF : 24372.4/19

Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

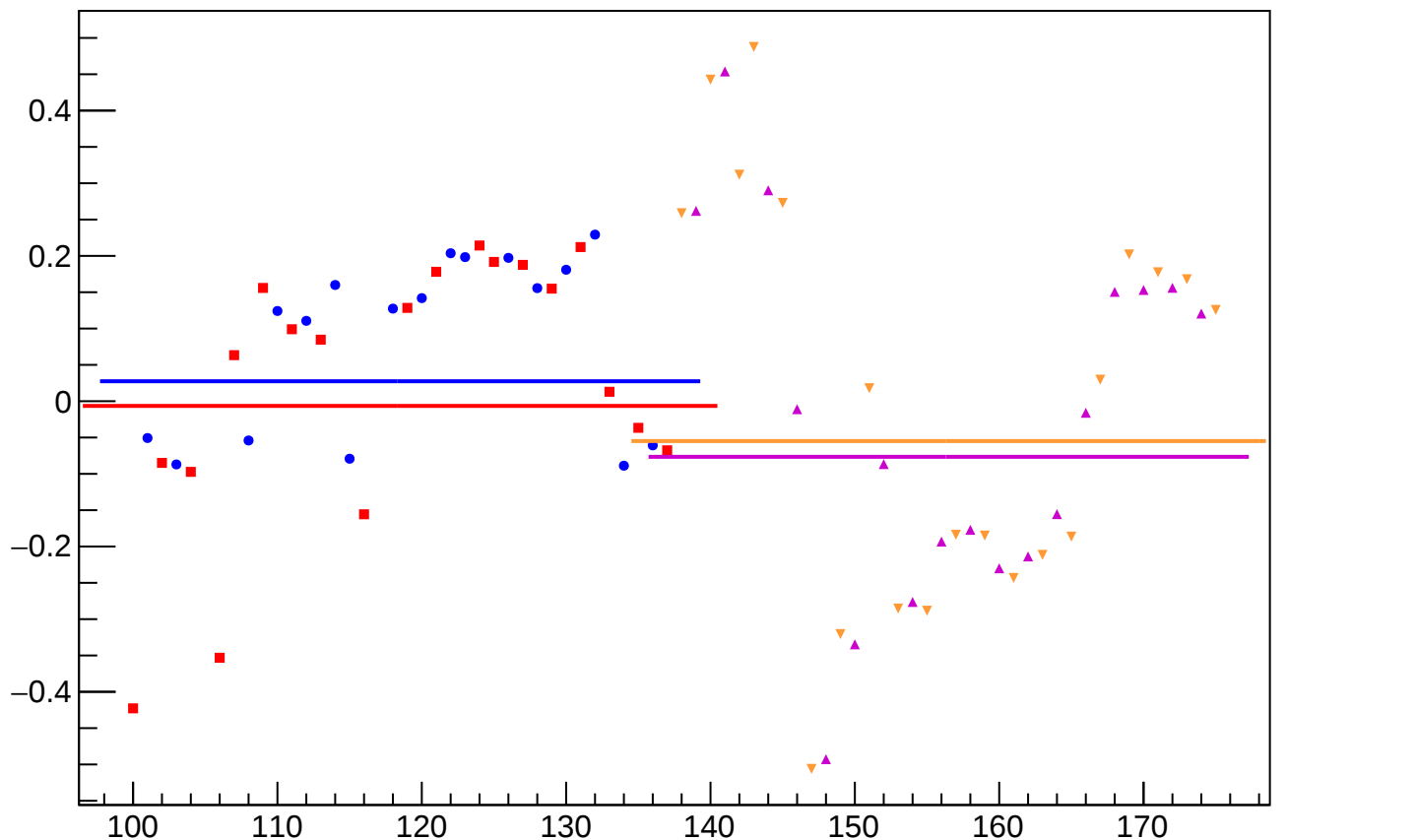
Left In: 0.075+/-0.000 χ^2/NDF : 21865.5/17

+ sign 0.074+/-0.000 χ^2/NDF : 131189.6/36

All: 0.074+/-0.000 χ^2/NDF : 242309.5/73

- sign 0.074+/-0.000 χ^2/NDF : 110481.9/36

yield_bpm0r03Y_mean vs Slug



Right In: 0.027 ± 0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.055 ± 0.000 χ^2/NDF : 18542651678.8/19

Right Out: -0.007 ± 0.000 χ^2/NDF : 1199278894.0/18

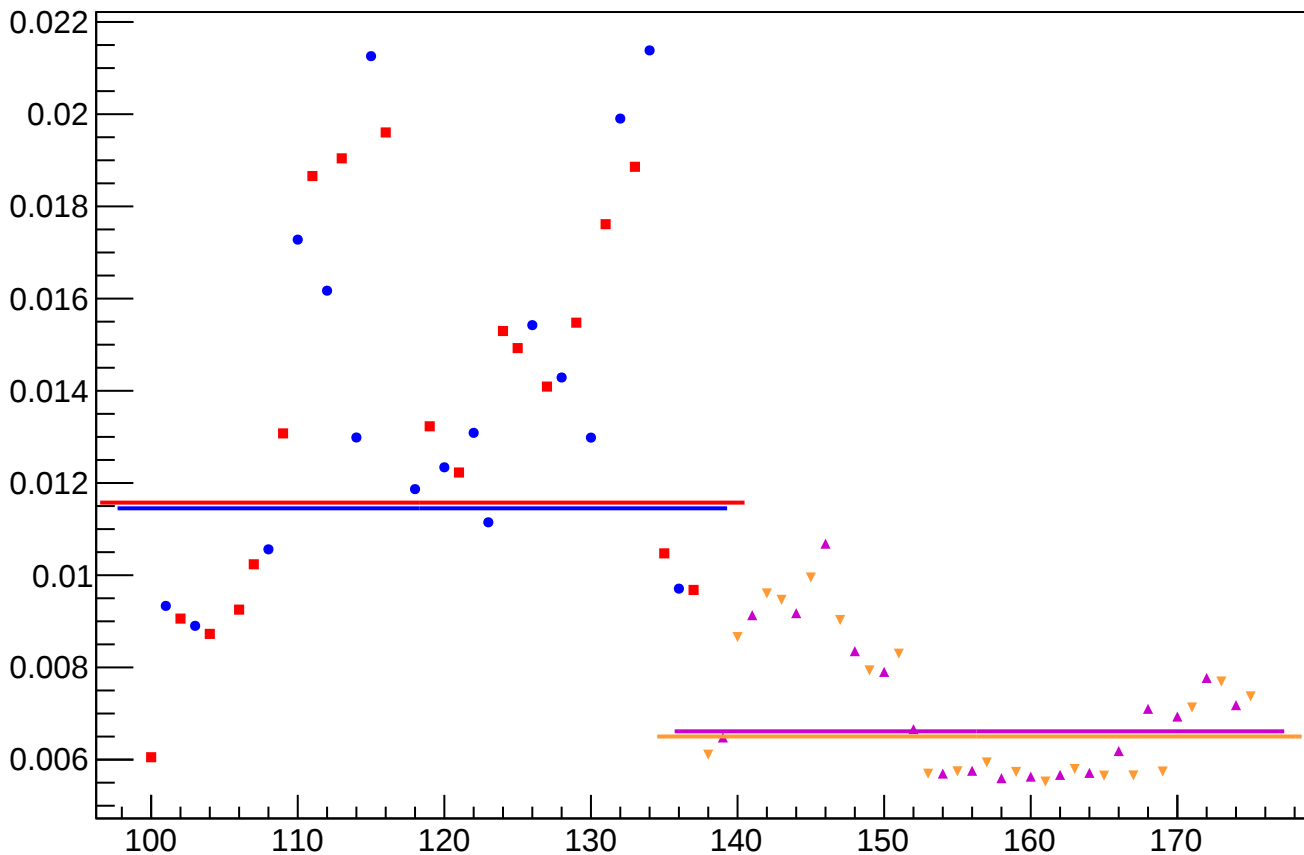
Left In: -0.077 ± 0.000 χ^2/NDF : 13793139955.9/17

+ sign -0.045 ± 0.000 χ^2/NDF : 19366402843.2/36

All: -0.056 ± 0.000 χ^2/NDF : 34634057668.4/36

- sign -0.067 ± 0.000 χ^2/NDF : 15180933642.0/36

yield_bpm0r03Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 679628.0/16

Left Out: 0.007+/-0.000 χ^2/NDF :1002122.6/19

Right Out: 0.012+/-0.000 χ^2/NDF : 997161.1/18

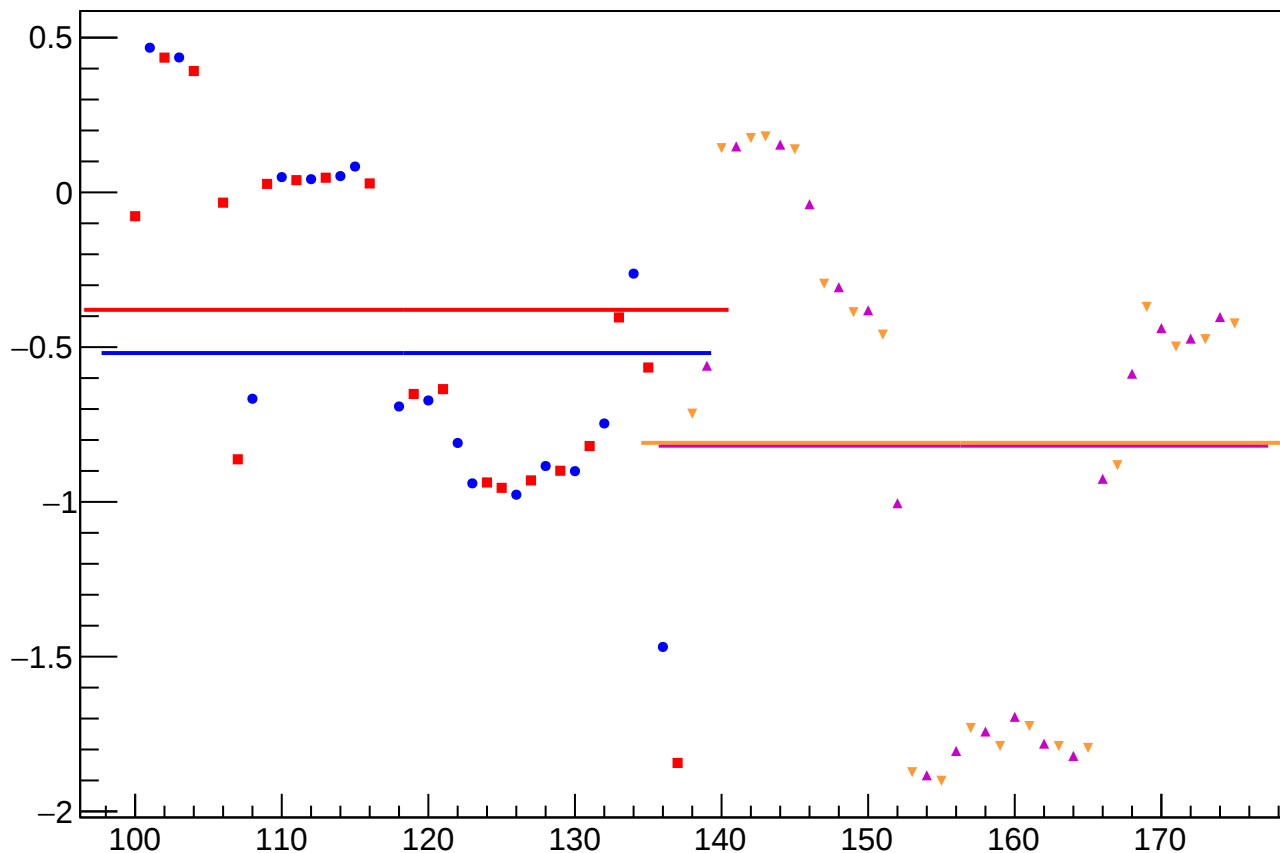
Left In: 0.007+/-0.000 χ^2/NDF :837939.1/17

+ sign 0.007+/-0.000 χ^2/NDF : 3573099.3/36

All: 0.007+/-0.000 χ^2/NDF : 7310617.4/73

- sign 0.007+/-0.000 χ^2/NDF : 3726187.5/36

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.809 ± 0.000 χ^2/NDF : 1081657273.6/19

Right Out: -0.379 ± 0.000 χ^2/NDF : 268621179.0/18

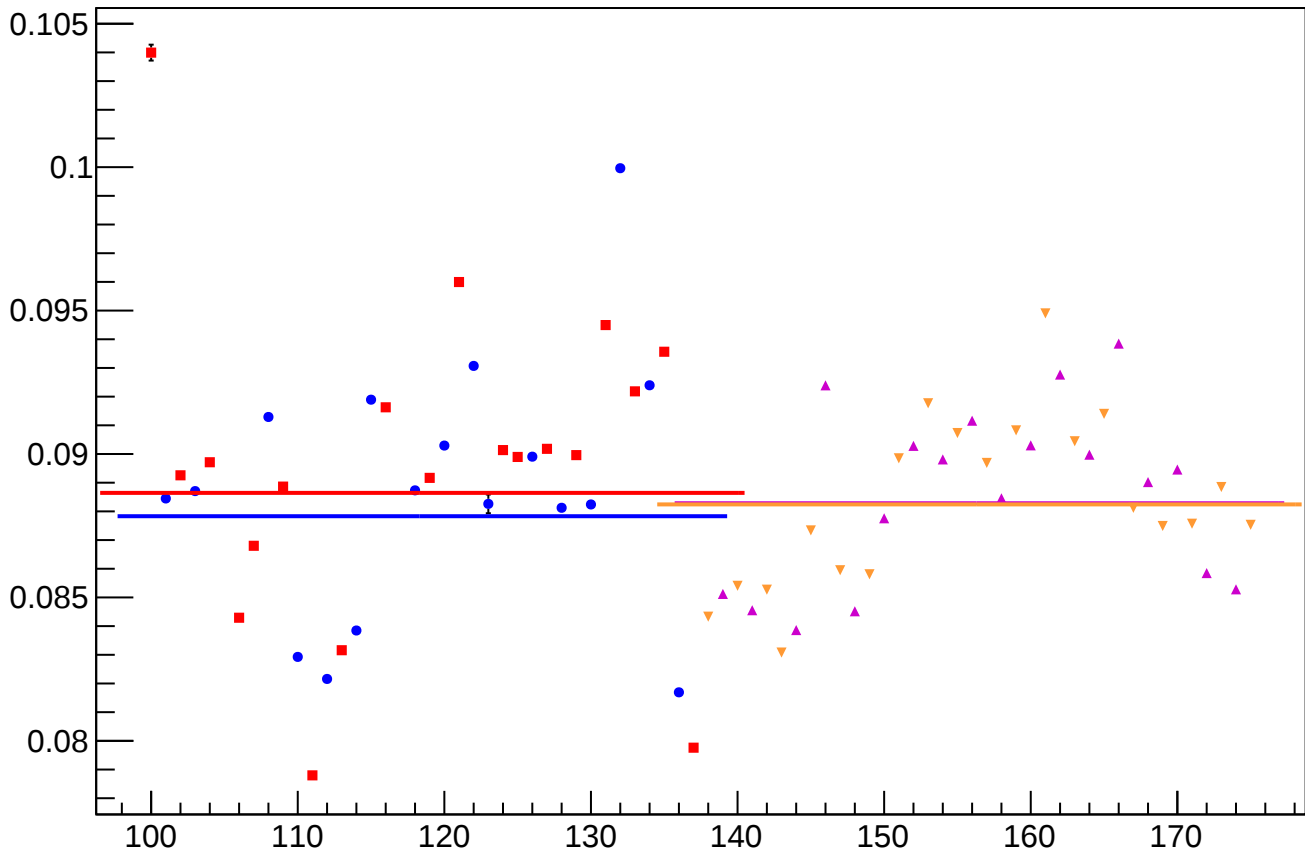
Left In: -0.818 ± 0.000 χ^2/NDF : 917797243.4/17

+ sign -0.719 ± 0.000 χ^2/NDF : 1471267812.7/36

All: -0.695 ± 0.000 χ^2/NDF : 2776113467.2/7

- sign -0.670 ± 0.000 χ^2/NDF : 1301603908.1/36

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34954.4/16

Left Out: 0.088 $\pm$ 0.000 χ^2 /NDF: 29794.3/19

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 39722.9/18

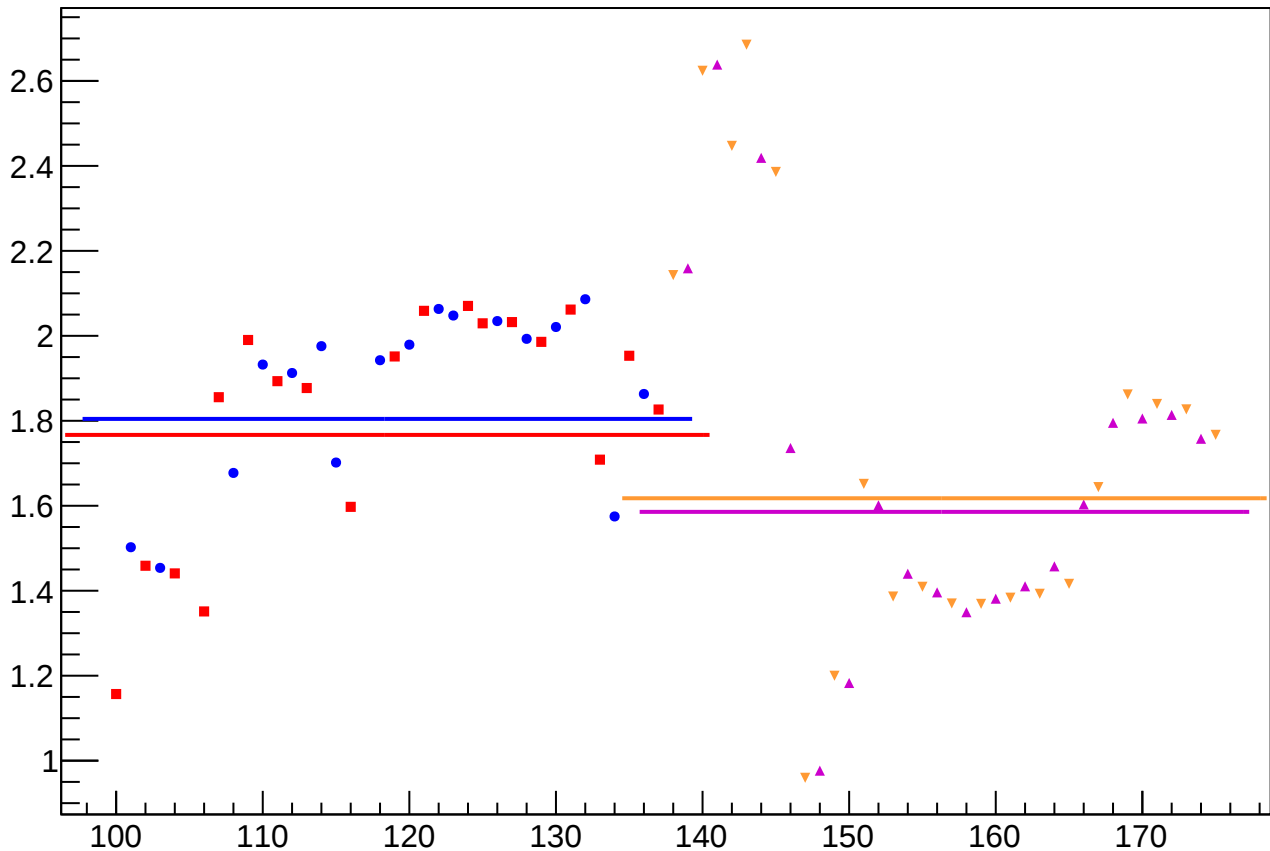
Left In: 0.088 $\pm$ 0.000 χ^2 /NDF: 31008.8/17

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 64951.1/36

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 136069.4/73

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 70887.6/36

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.618 $\pm$ 0.000 χ^2 /NDF: 25281612424.1/19

Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1709259284.5/18

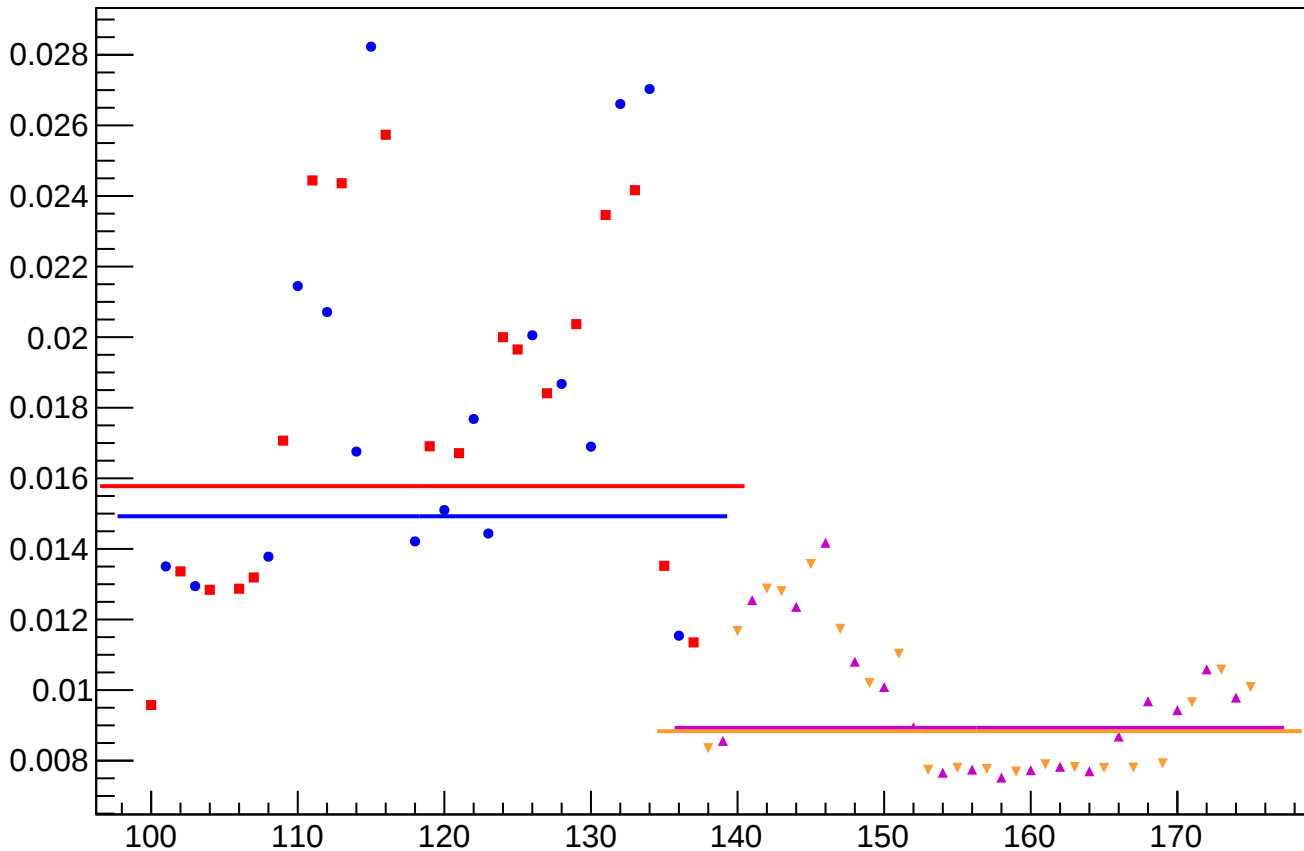
Left In: 1.586 $\pm$ 0.000 χ^2 /NDF: 19504743531.7/17

+ sign 1.641 $\pm$ 0.000 χ^2 /NDF: 27225146434.1/36

All: 1.626 $\pm$ 0.000 χ^2 /NDF: 49229324954.5/7

- sign 1.609 $\pm$ 0.000 χ^2 /NDF: 21905044552.2/36

yield_bpm0r05Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 643651.9/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 925277.0/19

Right Out: 0.016 $\pm$ 0.000 χ^2/NDF : 786107.1/18

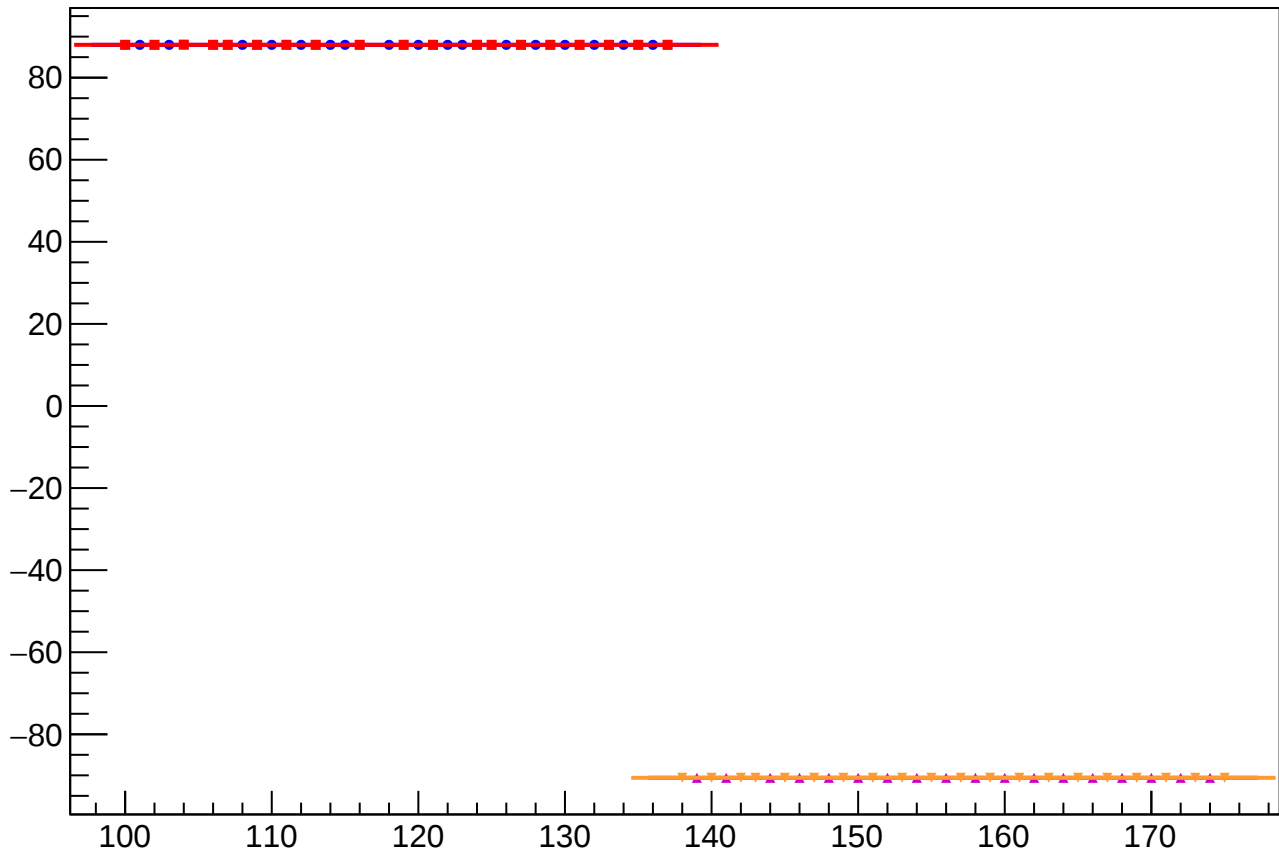
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 791725.8/17

+ sign 0.010 $\pm$ 0.000 χ^2/NDF : 3241418.9/36

All: 0.010 $\pm$ 0.000 χ^2/NDF : 6803968.1/73

- sign 0.010 $\pm$ 0.000 χ^2/NDF : 3553233.4/36

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: 5932032.1/19

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77545892857504626270604886016.0/18

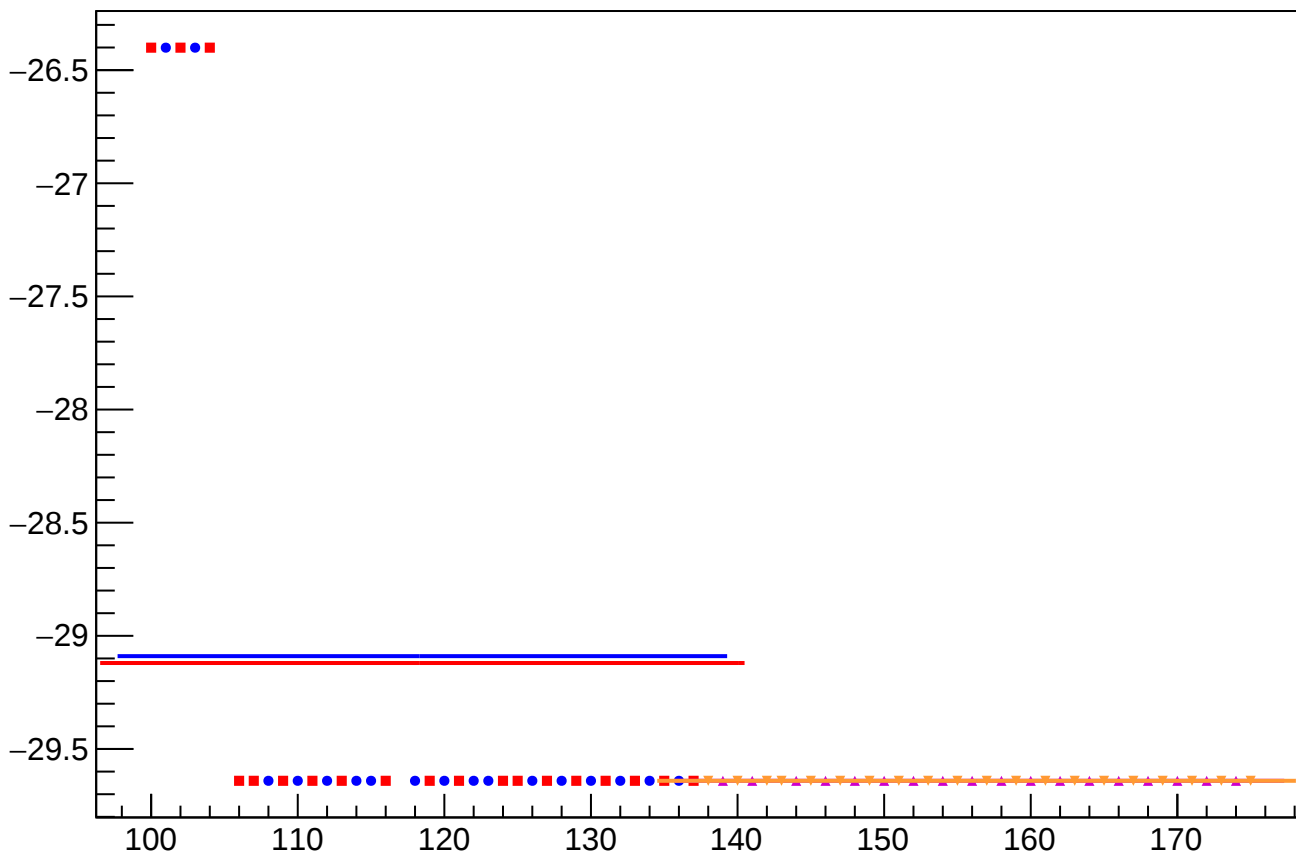
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5440893.6/17

+ sign -35.388 $\pm$ 0.000 χ^2 /NDF: 152938854148062

All: -33.161 $\pm$ 0.000 χ^2 /NDF: 306421889138

- sign -30.844 $\pm$ 0.000 χ^2 /NDF: 1532558296892264

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 : 226636.6/19

Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18

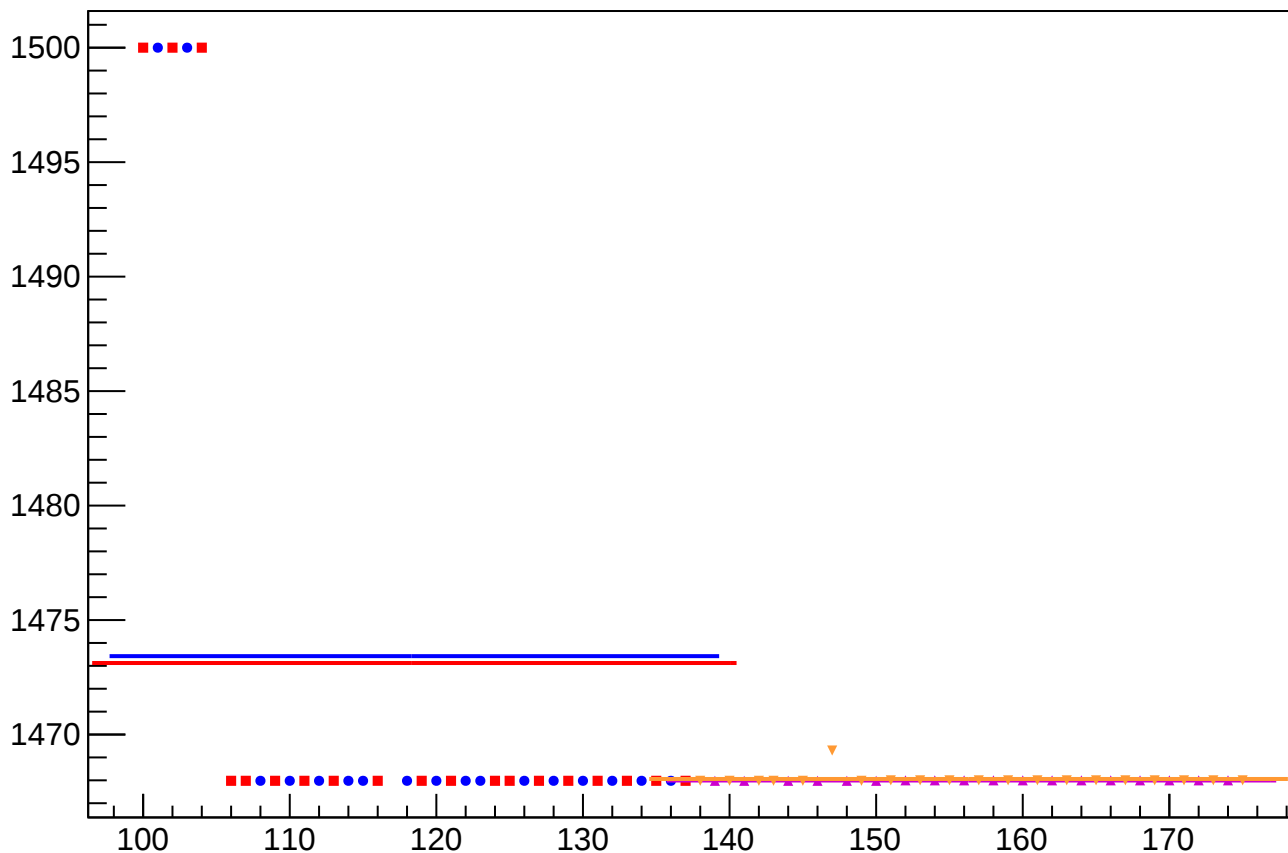
Left In: -29.641+/-0.000 χ^2/NDF : 155348.8/17

+ sign -29.470+/-0.000 χ^2/NDF : 117360830004452

All: -29.469+/-0.000 χ^2/NDF : 232588955021

- sign -29.467+/-0.000 χ^2/NDF : 1152264831881349

epics_psub_pl_poss_mean vs Slug



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.059+/-0.000 χ^2/NDF : 126891306721397132257831331823616.0/19

Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18

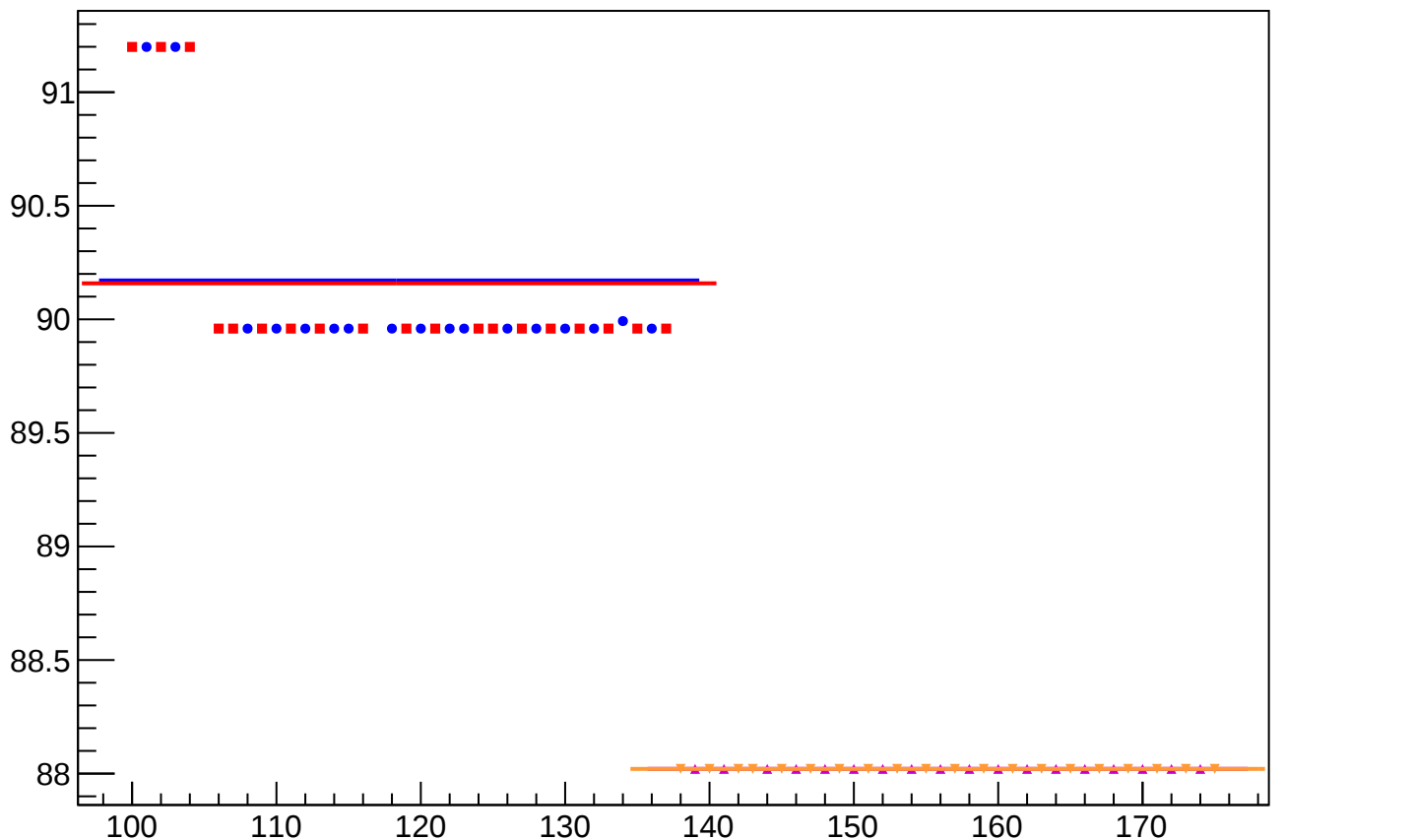
Left In: 1467.992+/-0.000 χ^2/NDF : 130483286879215846025127264256.0/17

+ sign 1469.718+/-0.000 χ^2/NDF : 11434723837958

All: 1469.713+/-0.000 χ^2/NDF : 22683252622

- sign 1469.709+/-0.000 χ^2/NDF : 11248521173049

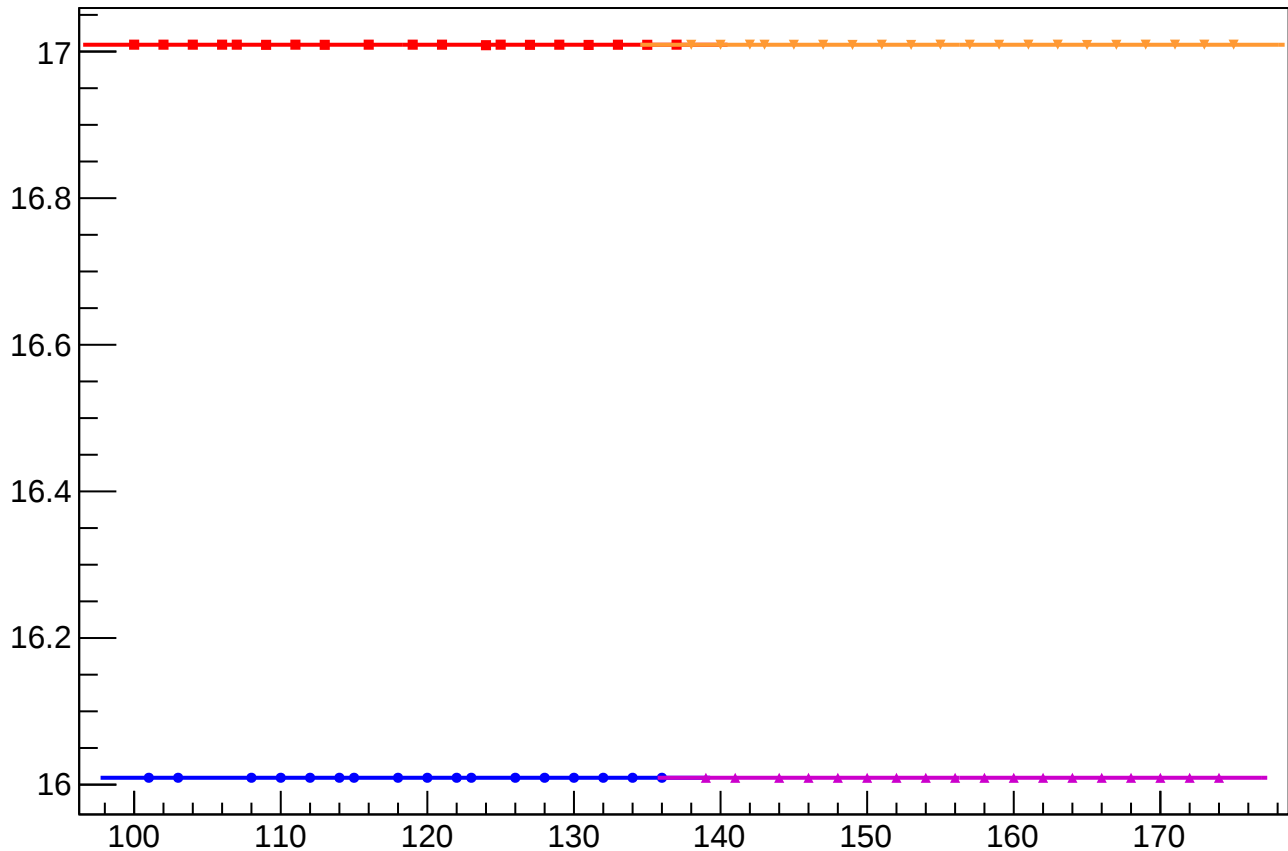
epics_Phi_FGs_mean vs Slug



Right In: 90.171+/-0.000 χ^2/NDF : 150316905454500935857801185460224.0/16
 Left Out: 88.021+/-0.000 χ^2/NDF : 4681163.7/19
 Right Out: 90.159+/-0.000 χ^2/NDF : 149705165651000025160777180643328.0/18
 Left In: 88.021+/-0.000 χ^2/NDF : 5327600.5/17

+ sign 88.685+/-0.000 χ^2/NDF : 2367519370712803
 All: 88.710+/-0.000 χ^2/NDF : 4715772694531
 - sign 88.736+/-0.000 χ^2/NDF : 2345449179678942

epics_IGL1I00DI24_24Ms_mean vs Slug

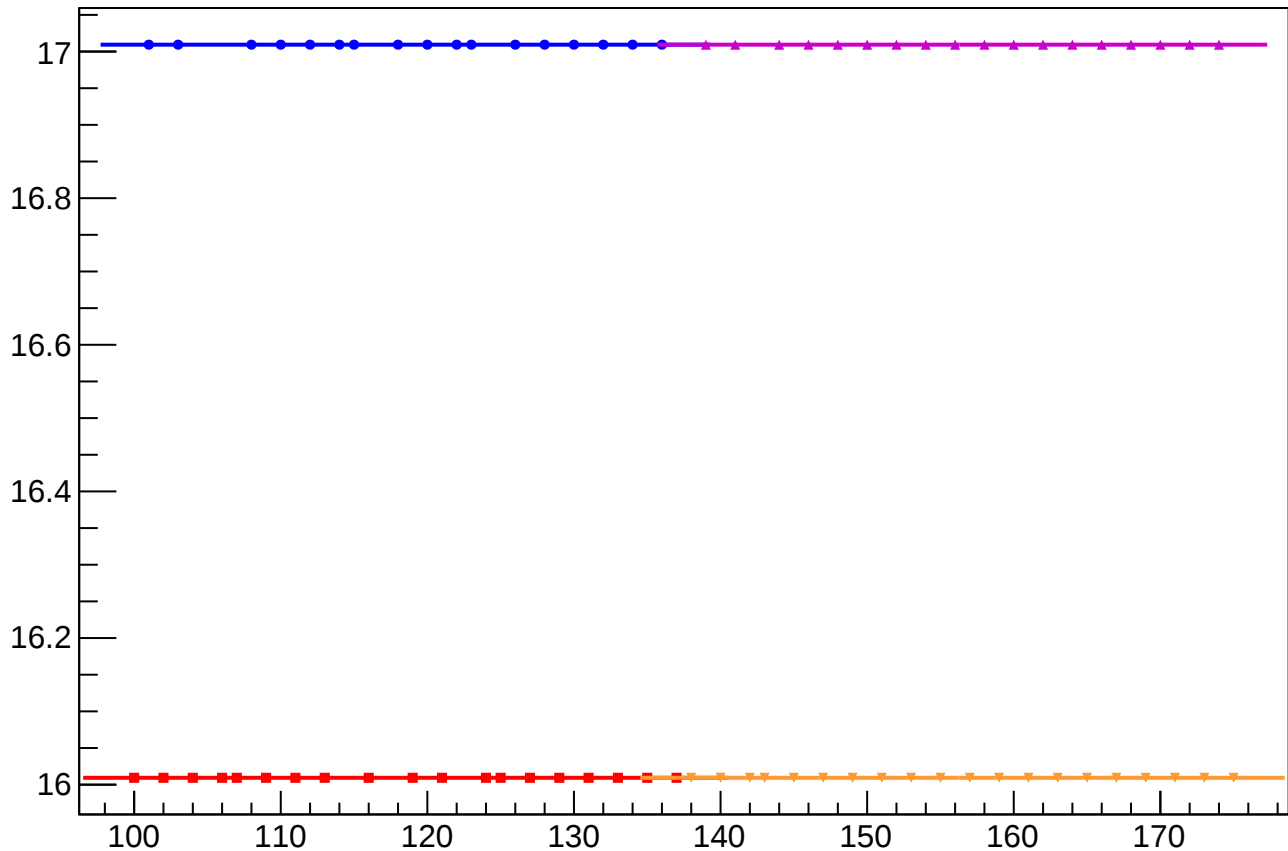


+ sign 16.693 $\pm$ 0.000 χ^2/NDF : 4527086897337731

All: 16.520 $\pm$ 0.000 χ^2/NDF : 1020024687970

- sign 16.338 $\pm$ 0.000 χ^2/NDF : 4387734944456024

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 132629.6/16

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 91520.5/19

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 39518.8/18

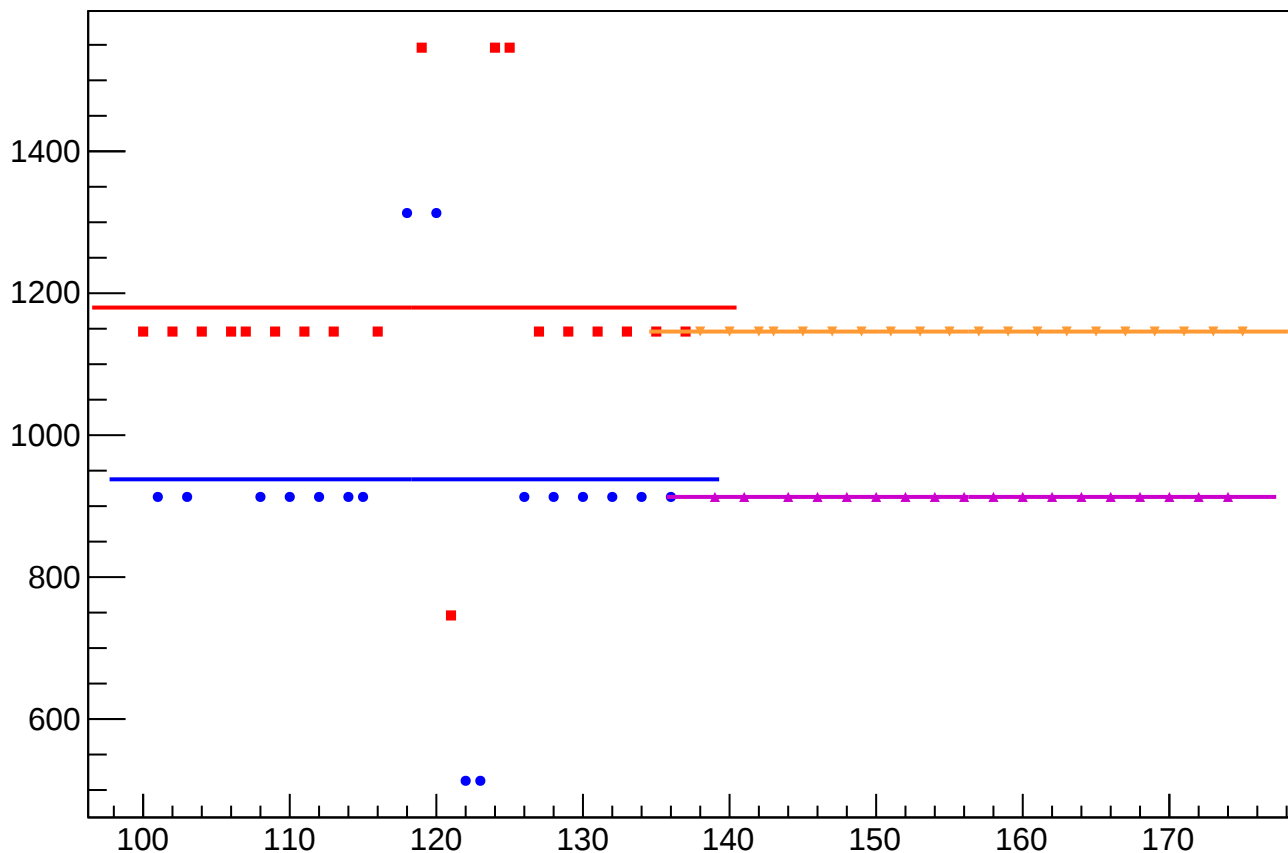
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 113587825185865722757120.0/17

+ sign 16.312 $\pm$ 0.000 χ^2 /NDF: 4617971676564576

All: 16.488 $\pm$ 0.000 χ^2 /NDF: 1074114774165

- sign 16.671 $\pm$ 0.000 χ^2 /NDF: 4732839392412013

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 : 4724563426576791584603373568.0/19

Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18

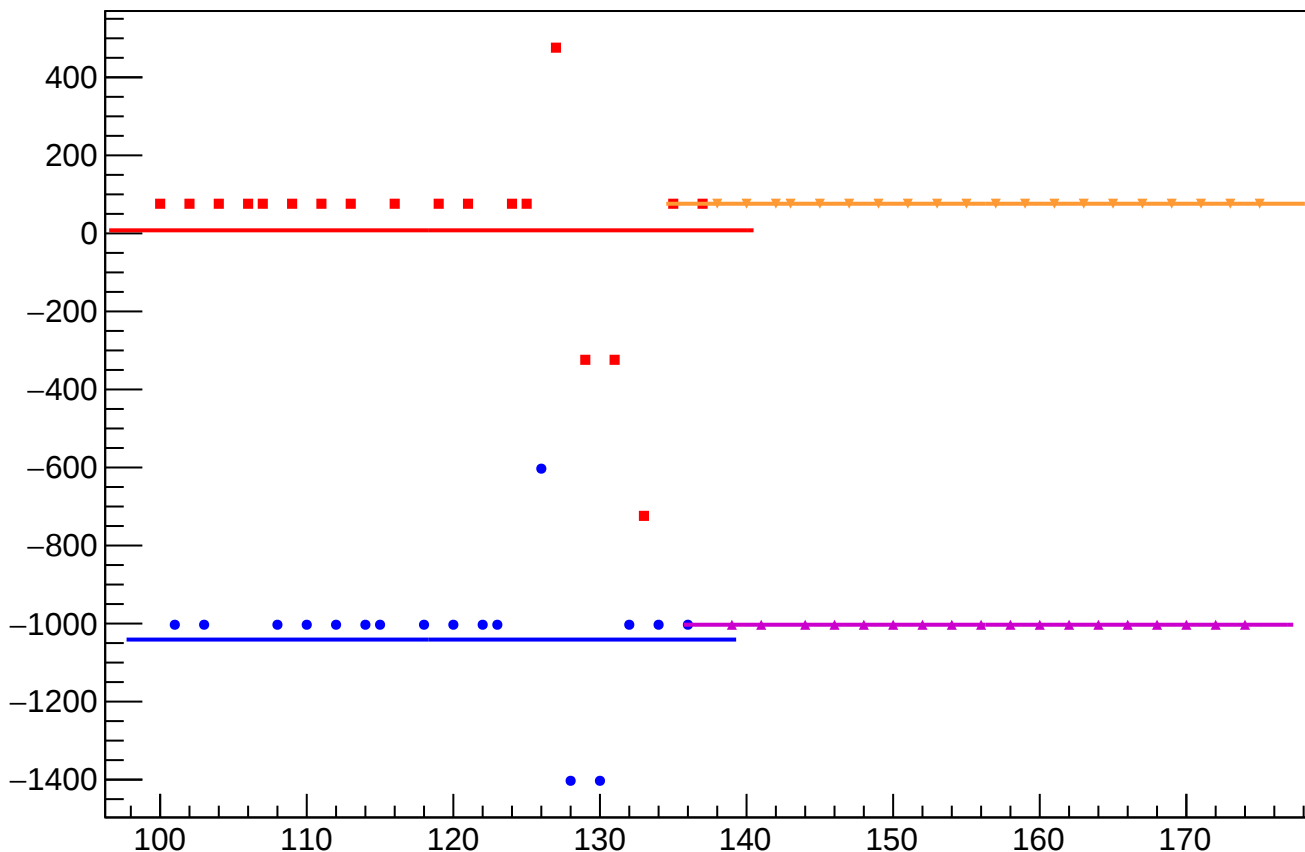
Left In: 912.995+/-0.000 χ^2/NDF : 23594508916464591692795740160.0/17

All: 1042.735+/-0.000 χ^2/NDF : 10419544841

+ sign 1081.640+/-0.000 χ^2/NDF : 41644799988527

- sign 1002.261+/-0.000 χ^2/NDF : 55617555303417

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 : 10538331205992568207813115904.0/19 + sign -269.301+/-0.000 χ^2/NDF : 62093952649137

Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18 All: -463.138+/-0.000 χ^2/NDF : 13278159584

Left In: -1002.990+/-0.000 χ^2/NDF : 2219370687986647186473484288.0/17 - sign -664.789+/-0.000 χ^2/NDF : 534774696884349