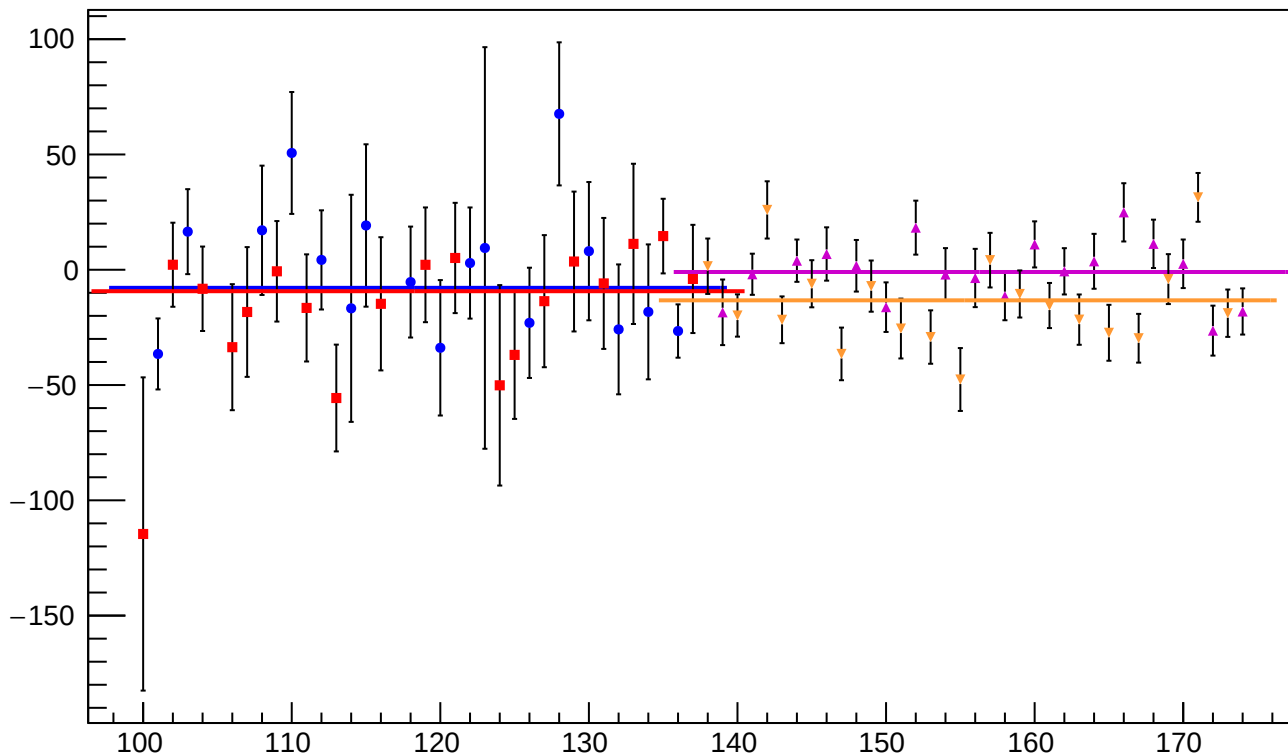


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -13.265 ± 2.521

χ^2/NDF : 52.2/18

Right Out: -9.309 ± 5.677

χ^2/NDF : 13.2/18

Left In: -0.974 ± 2.551

χ^2/NDF : 23.8/17

+ sign -12.353 ± 2.299

χ^2/NDF : 75.7/35

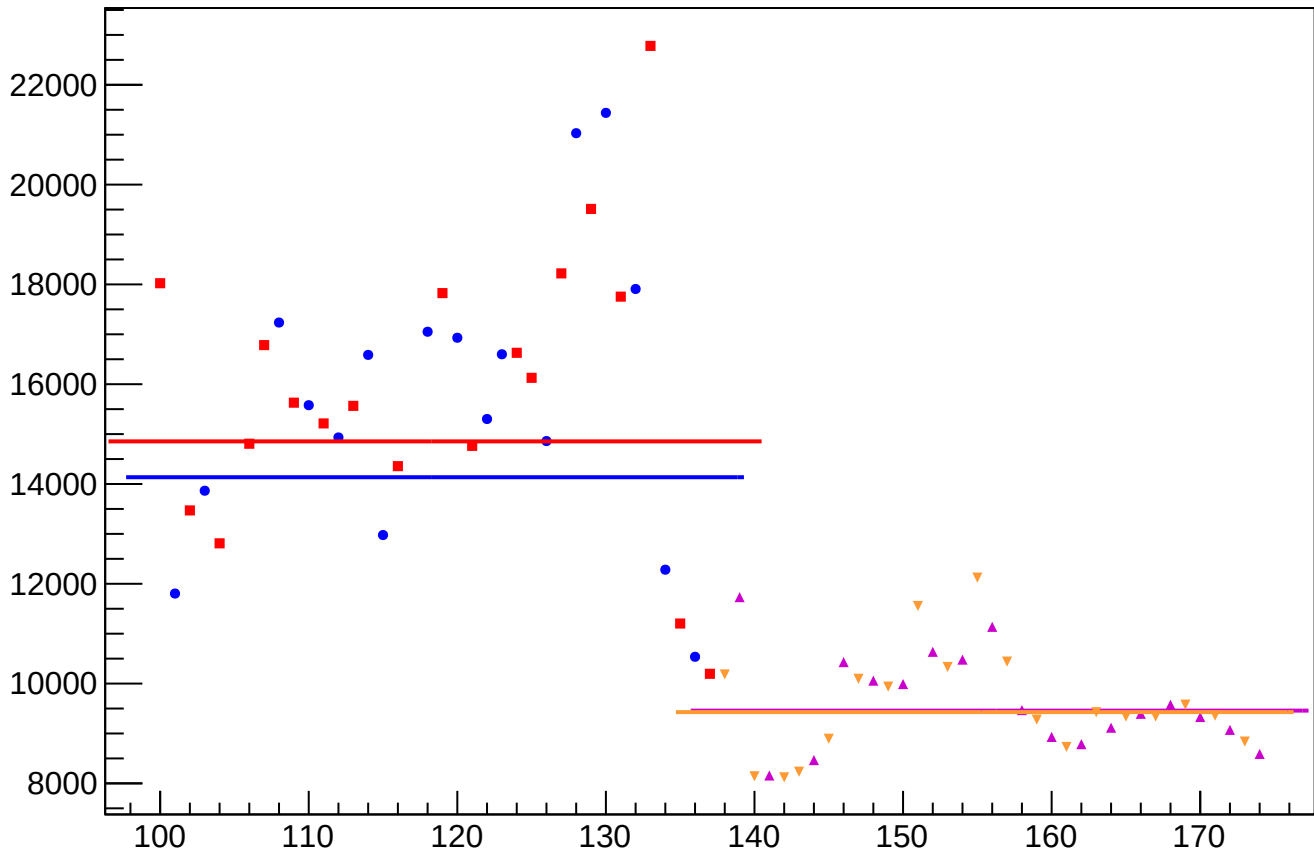
All: -7.423 ± 1.635

χ^2/NDF : 123.8/72

- sign -2.374 ± 2.327

χ^2/NDF : 38.8/36

diff_bpm4aX_rms vs Slug



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

Left Out: 9428.083 $\pm$ 1.782 χ^2 /NDF:290204.5/18

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

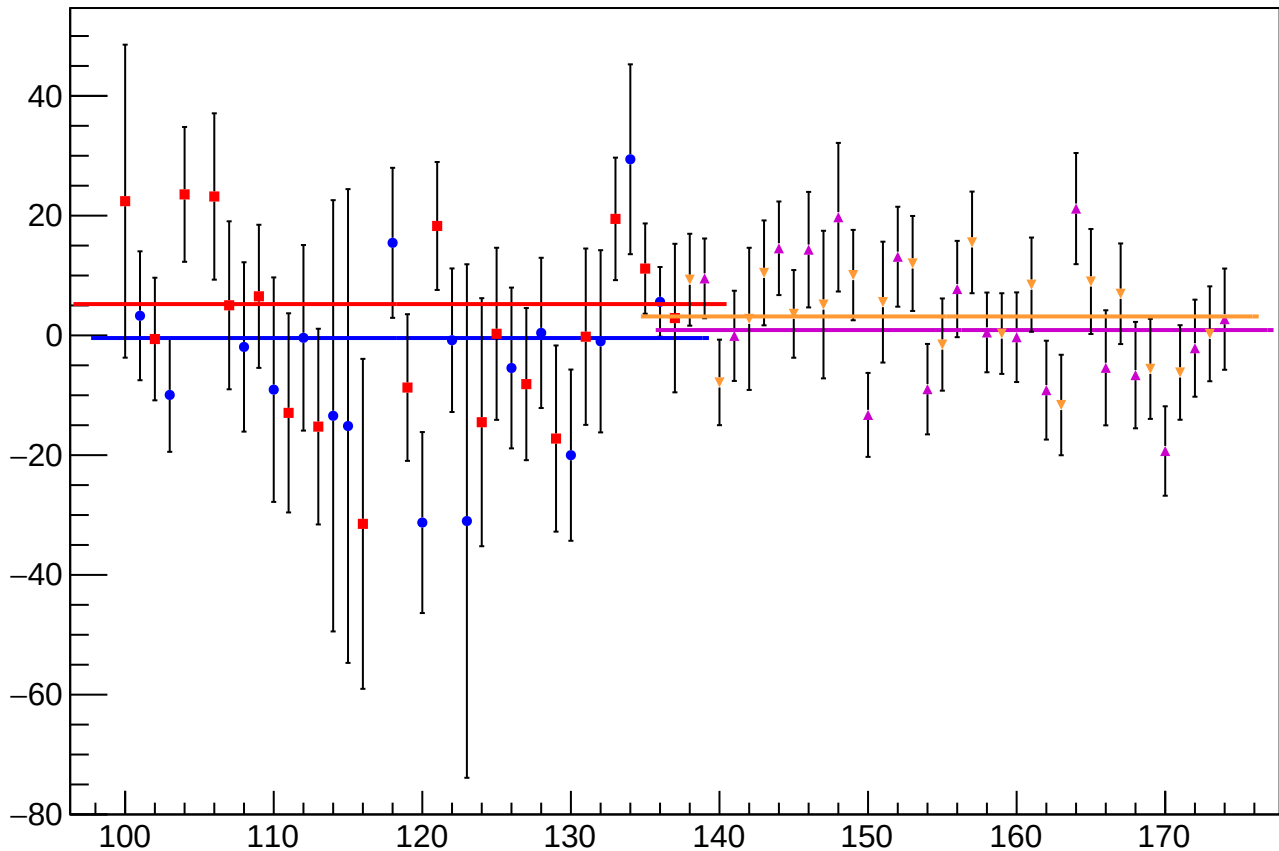
Left In: 9458.360 $\pm$ 1.804 χ^2 /NDF:247635.0/17

+ sign 10219.190 $\pm$ 1.626 χ^2 /NDF: 2059809.7/35

All: 10291.010 $\pm$ 1.156 χ^2 /NDF: 4286557.4/7

- sign 10364.563 $\pm$ 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: 3.163 ± 1.884 χ^2/NDF : 15.4/18

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

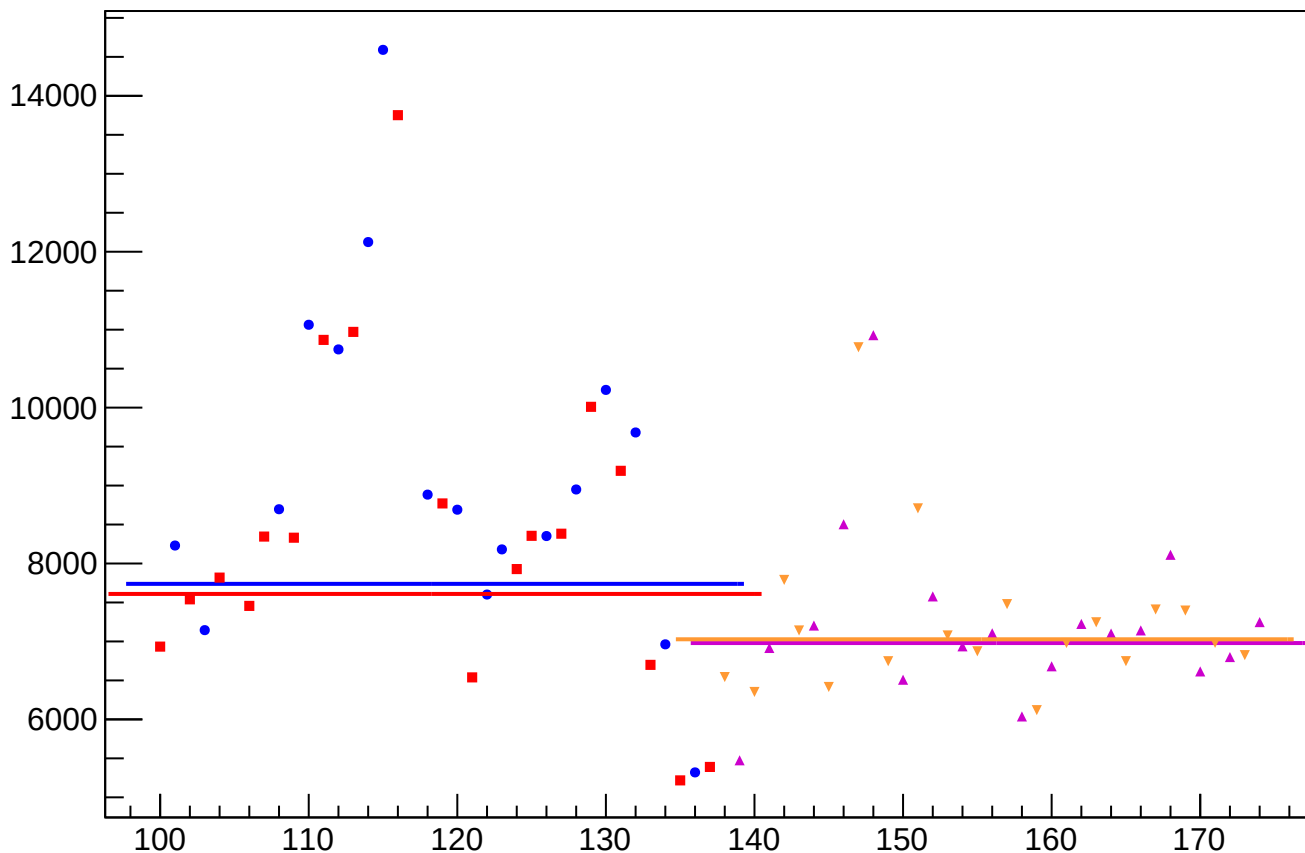
Left In: 0.892 ± 1.894 χ^2/NDF : 32.6/17

+ sign 2.177 ± 1.606 χ^2/NDF : 30.9/35

All: 2.172 ± 1.130 χ^2/NDF : 84.4/72

- 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: 7027.751 $\pm$ 1.332 χ^2 /NDF:347284.1/18

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

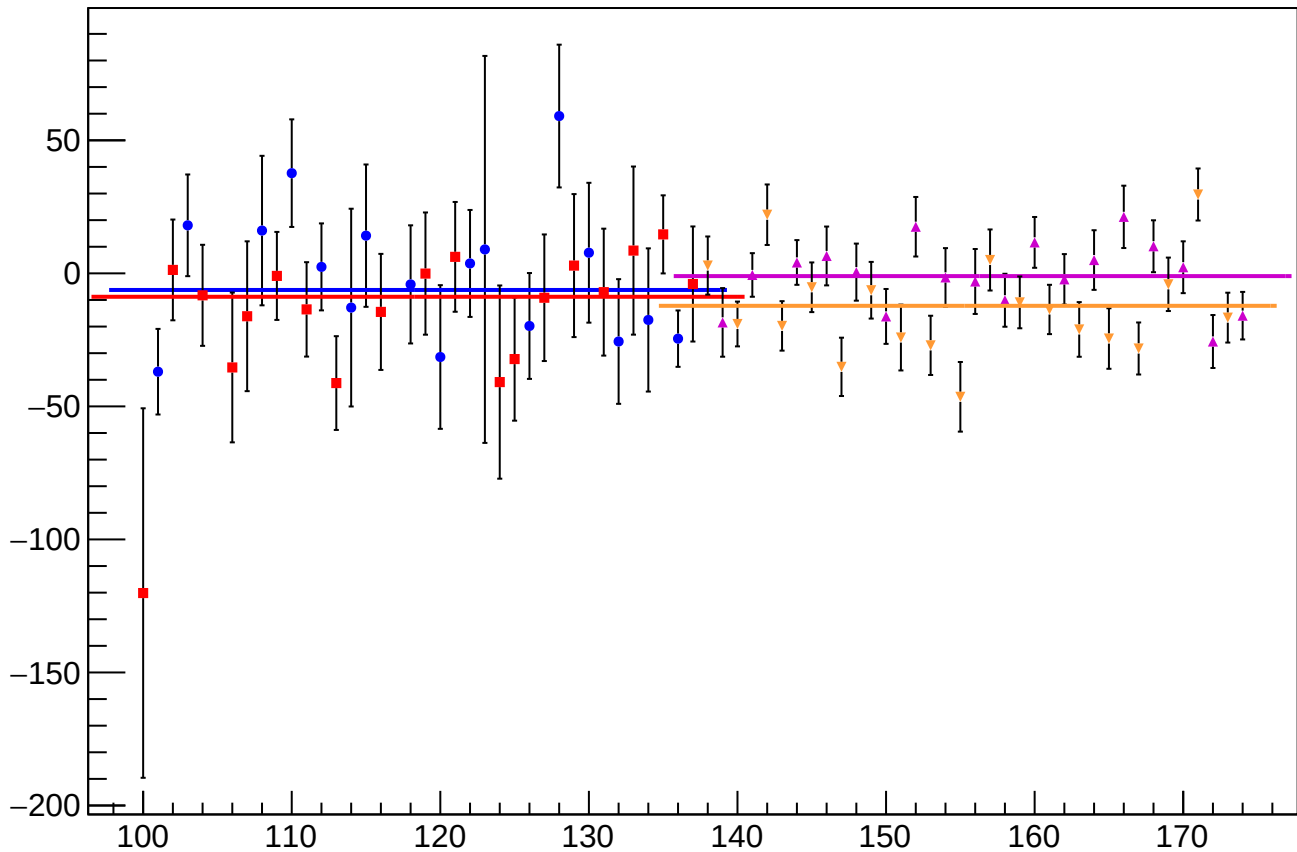
Left In: 6979.437 $\pm$ 1.339 χ^2 /NDF:462277.0/17

+ sign 7222.165 $\pm$ 1.135 χ^2 /NDF: 1166044.0/35

All: 7193.127 $\pm$ 0.799 χ^2 /NDF: 2373851.1/72

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

diff_bpm4eX_mean vs Slug



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

Left Out: -12.201 ± 2.357 χ^2/NDF : 53.1/18

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

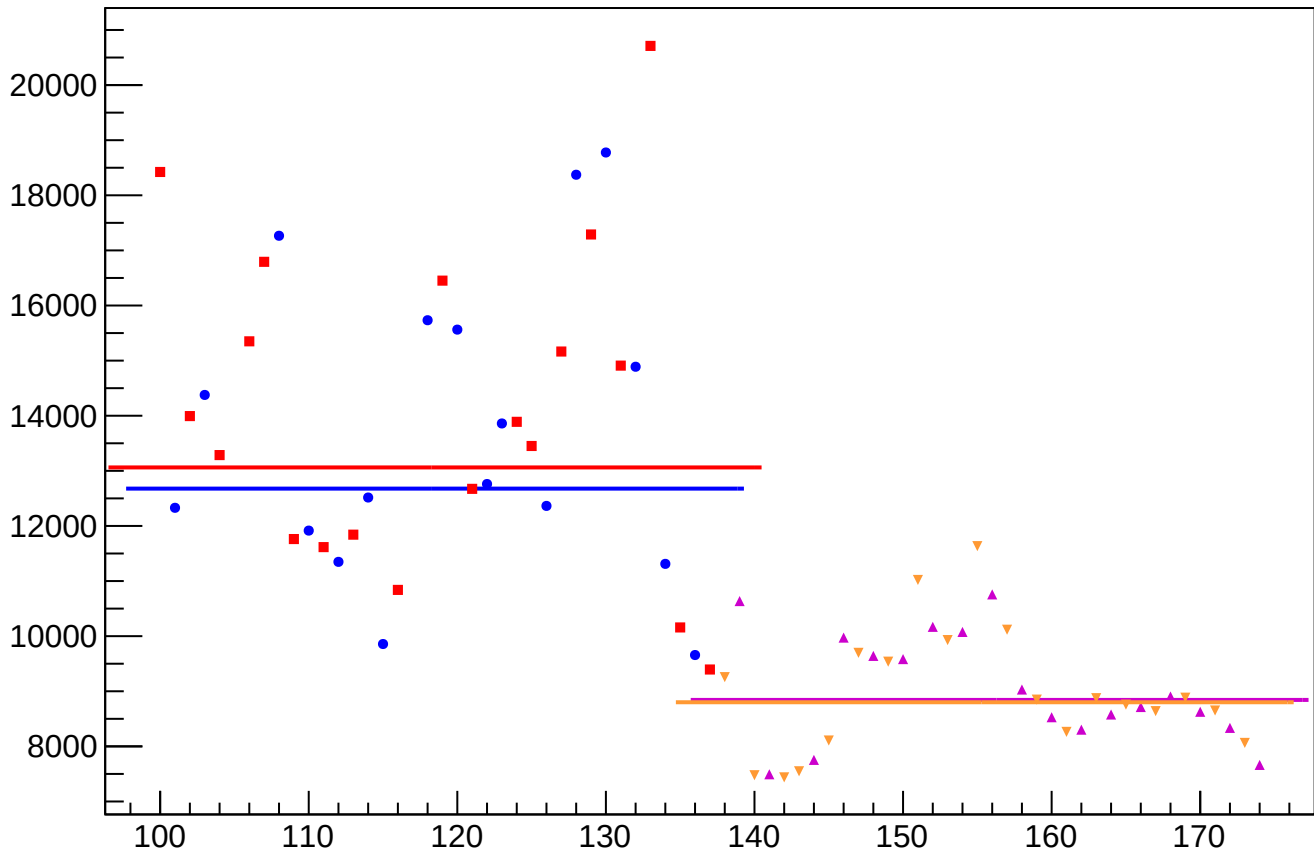
Left In: -1.033 ± 2.388 χ^2/NDF : 24.4/17

+ sign -11.125 ± 2.133 χ^2/NDF : 77.5/35

All: -6.844 ± 1.516 χ^2/NDF : 125.2/72

- sign -2.476 ± 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: 8800.737+/-1.666 χ^2/NDF : 377258.1/18

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

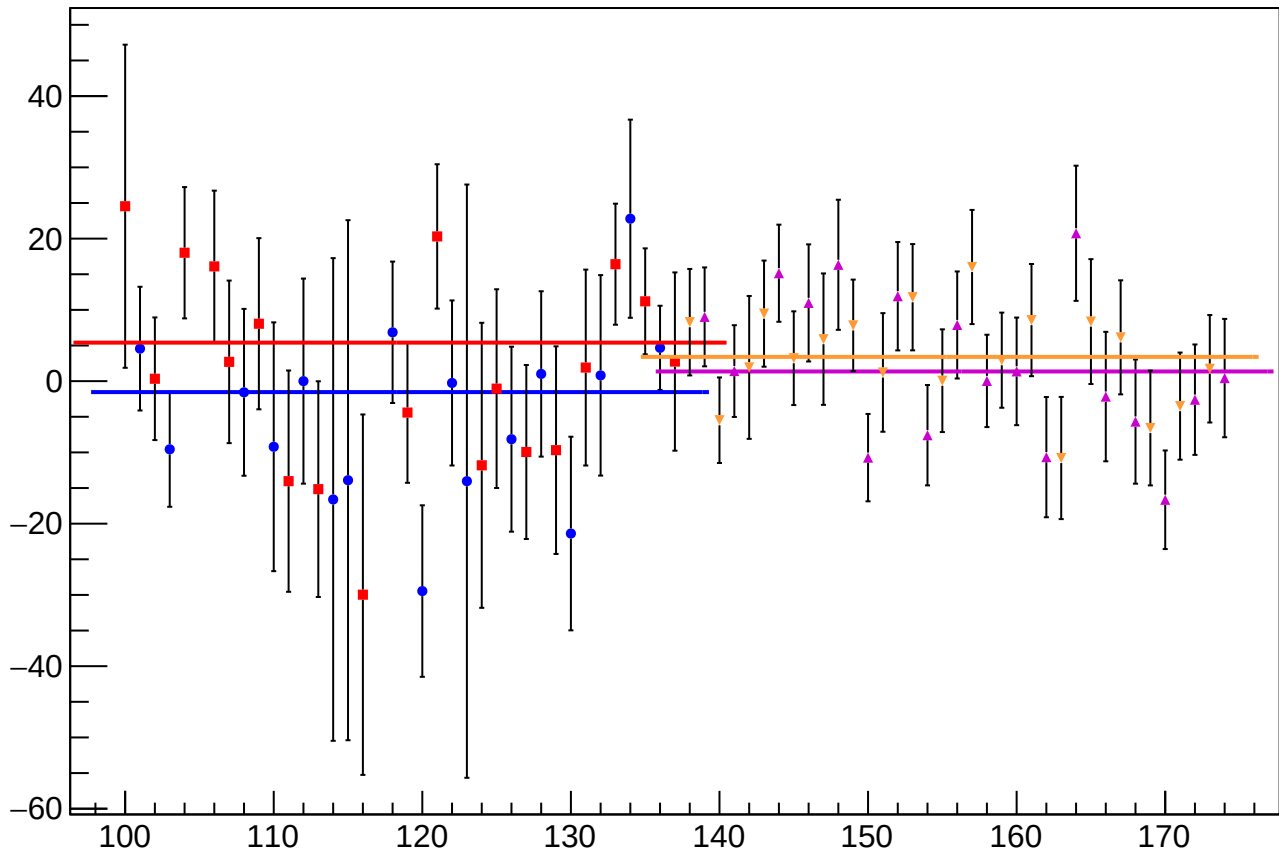
Left In: 8843.012+/-1.688 χ^2/NDF : 323069.8/17

+ sign 9501.473+/-1.508 χ^2/NDF : 1909088.6/35

All: 9563.460+/-1.072 χ^2/NDF : 3892707.3/72

- 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: 3.406 ± 1.737 χ^2/NDF : 13.9/18

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

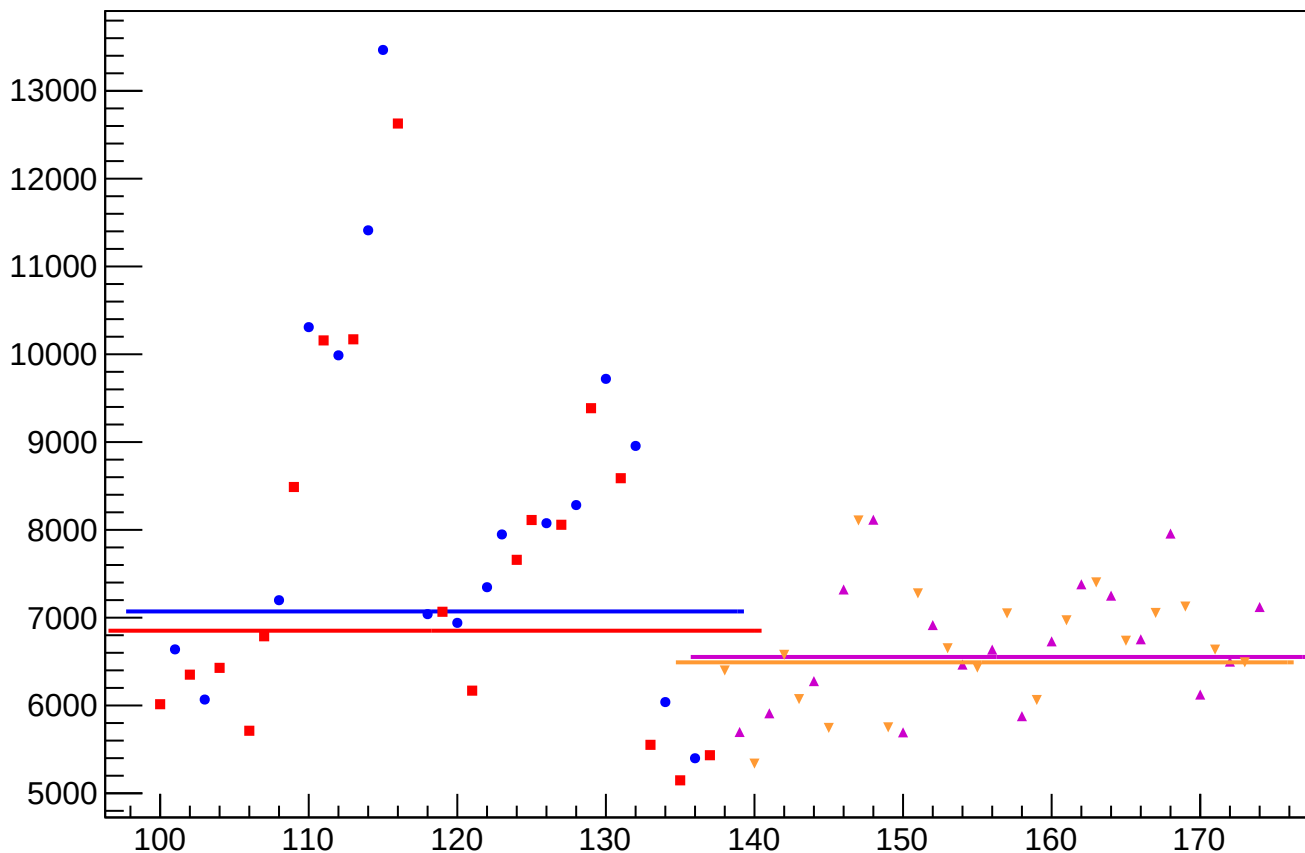
Left In: 1.358 ± 1.771 χ^2/NDF : 31.7/17

+ sign 2.026 ± 1.474 χ^2/NDF : 31.0/35

All: 2.321 ± 1.041 χ^2/NDF : 83.0/72

- 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: 6491.265+/-1.228 χ^2/NDF : 285832.5/18

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

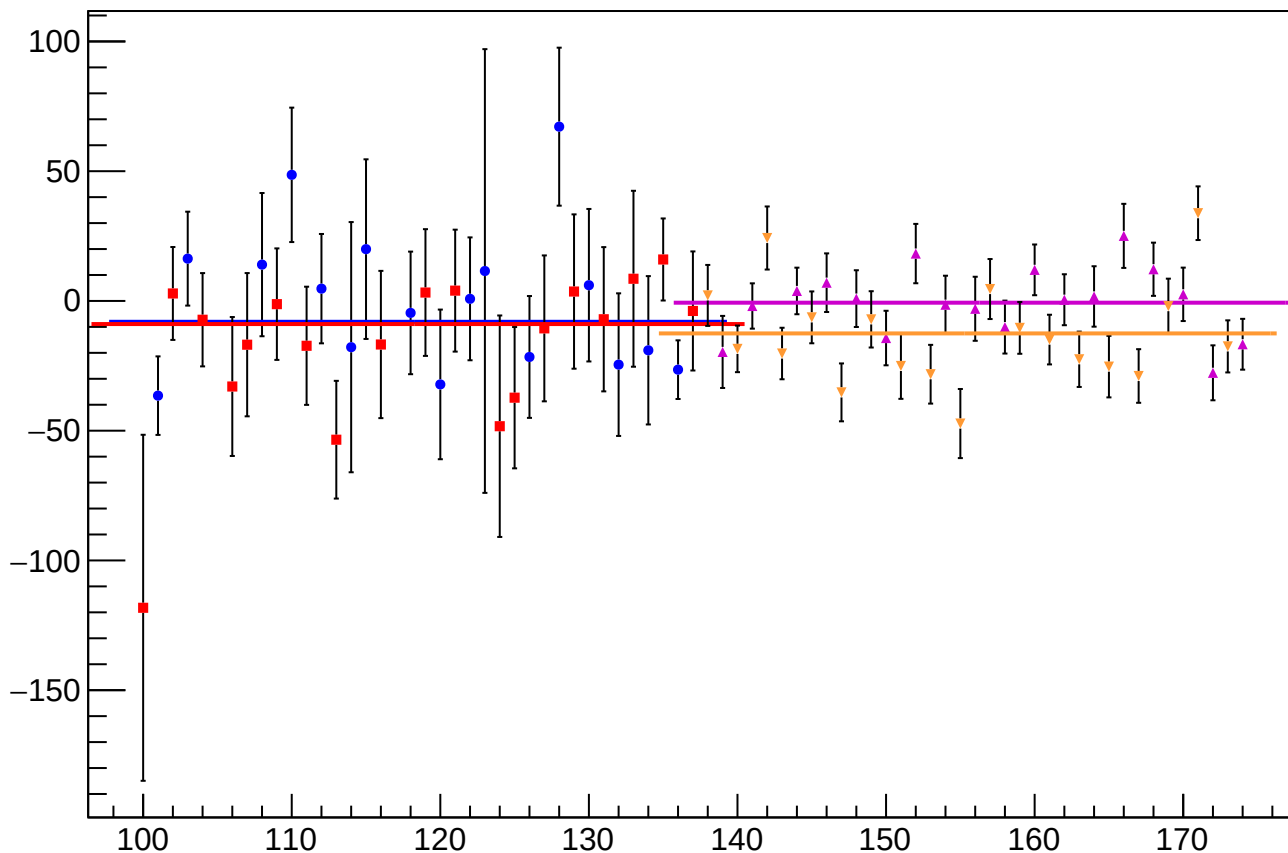
Left In: 6552.616+/-1.252 χ^2/NDF : 296975.7/17

+ sign 6653.149+/-1.043 χ^2/NDF : 948815.3/35

All: 6649.268+/-0.736 χ^2/NDF : 1947913.5/72

- 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: -12.515 ± 2.464 χ^2/NDF : 54.4/18

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

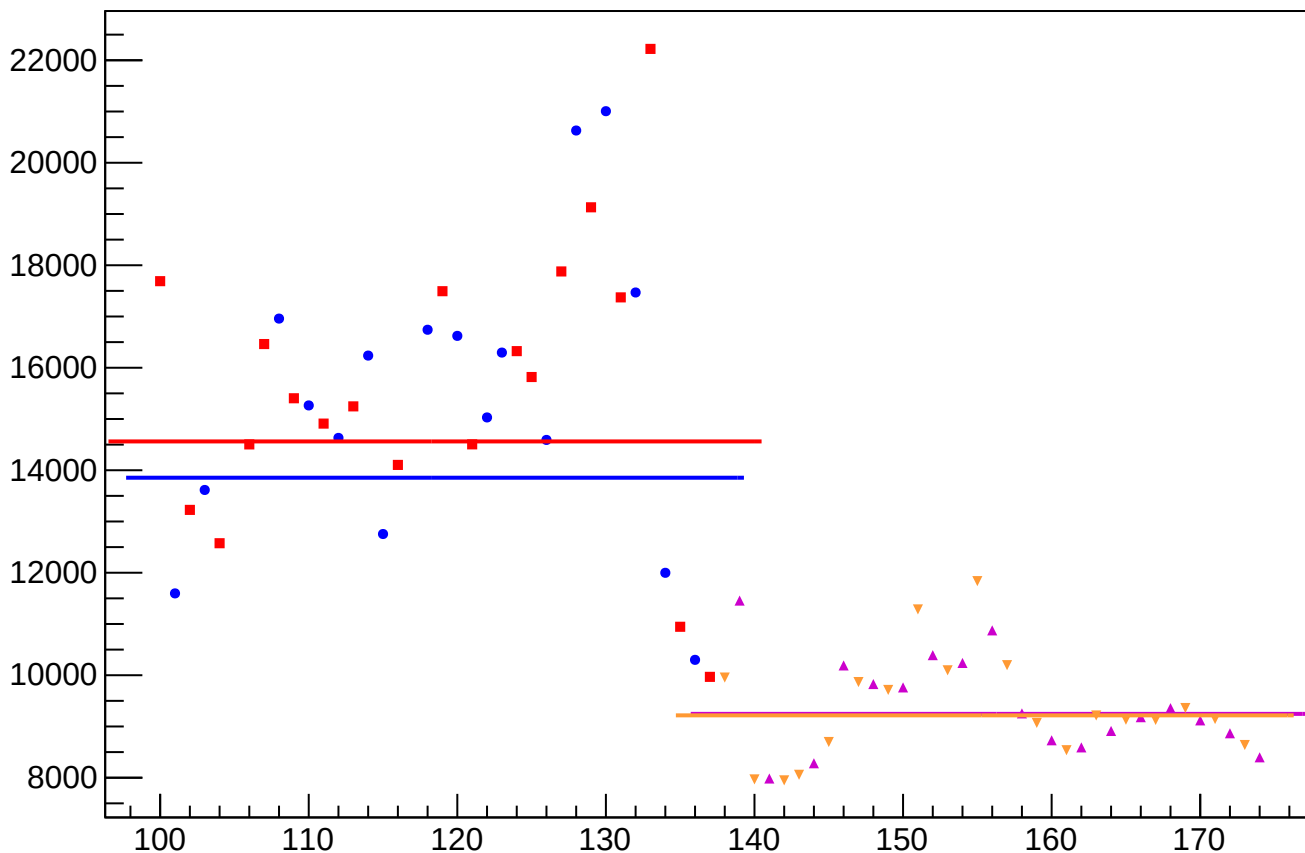
Left In: -0.676 ± 2.493 χ^2/NDF : 24.9/17

+ sign -11.766 ± 2.248 χ^2/NDF : 77.5/35

All: -6.966 ± 1.599 χ^2/NDF : 127.2/72

- 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: 9217.060+/-1.742 χ^2/NDF :287035.5/18

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

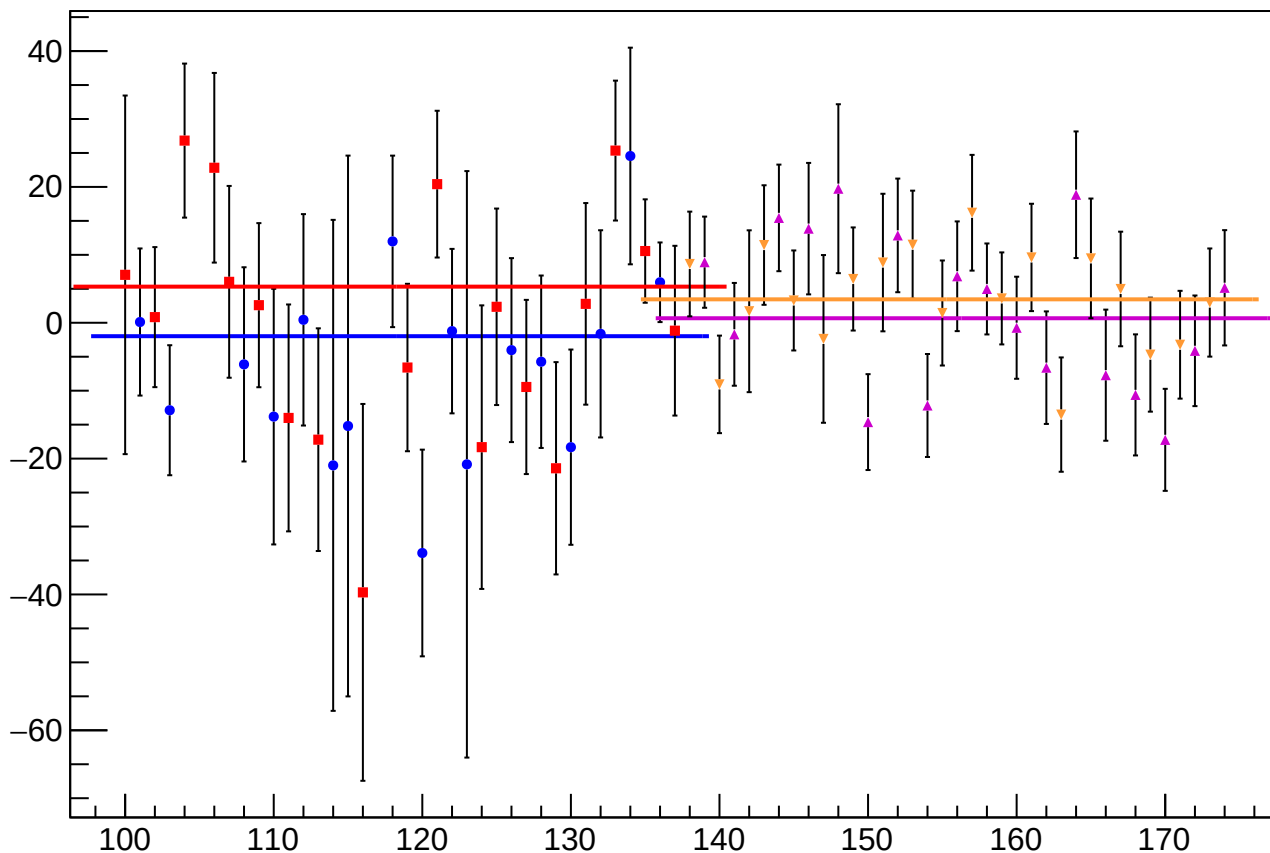
Left In: 9245.953+/-1.763 χ^2/NDF :244907.6/17

+ sign 9992.737+/-1.590 χ^2/NDF : 2072994.1/35

All: 10062.693+/-1.131 χ^2/NDF : 4315724.5/7

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

diff_bpm4acY_mean vs Slug



Right In: -1.978 ± 3.094 $\chi^2/\text{NDF}: 14.0/16$

Left Out: 3.449 ± 1.892 $\chi^2/\text{NDF}: 15.2/18$

Right Out: 5.318 ± 2.959 $\chi^2/\text{NDF}: 24.3/18$

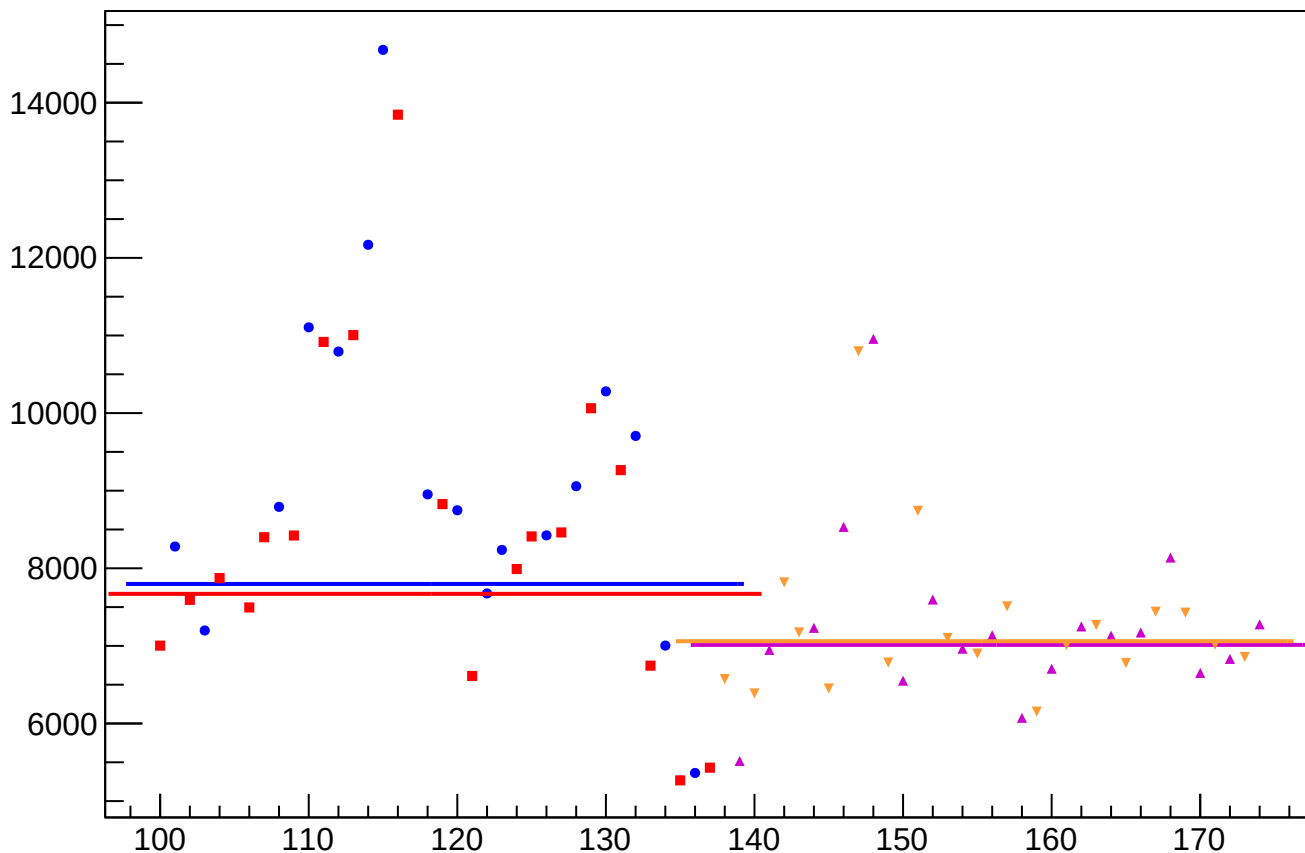
Left In: 0.664 ± 1.903 $\chi^2/\text{NDF}: 33.3/17$

+ sign 1.972 ± 1.614 $\chi^2/\text{NDF}: 31.5/35$

All: 1.999 ± 1.136 $\chi^2/\text{NDF}: 90.8/72$

- sign 2.026 ± 1.600 $\chi^2/\text{NDF}: 59.4/36$

diff_bpm4acY_rms vs Slug



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

Left Out: 7060.404+/-1.338 χ^2/NDF :343369.2/18

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

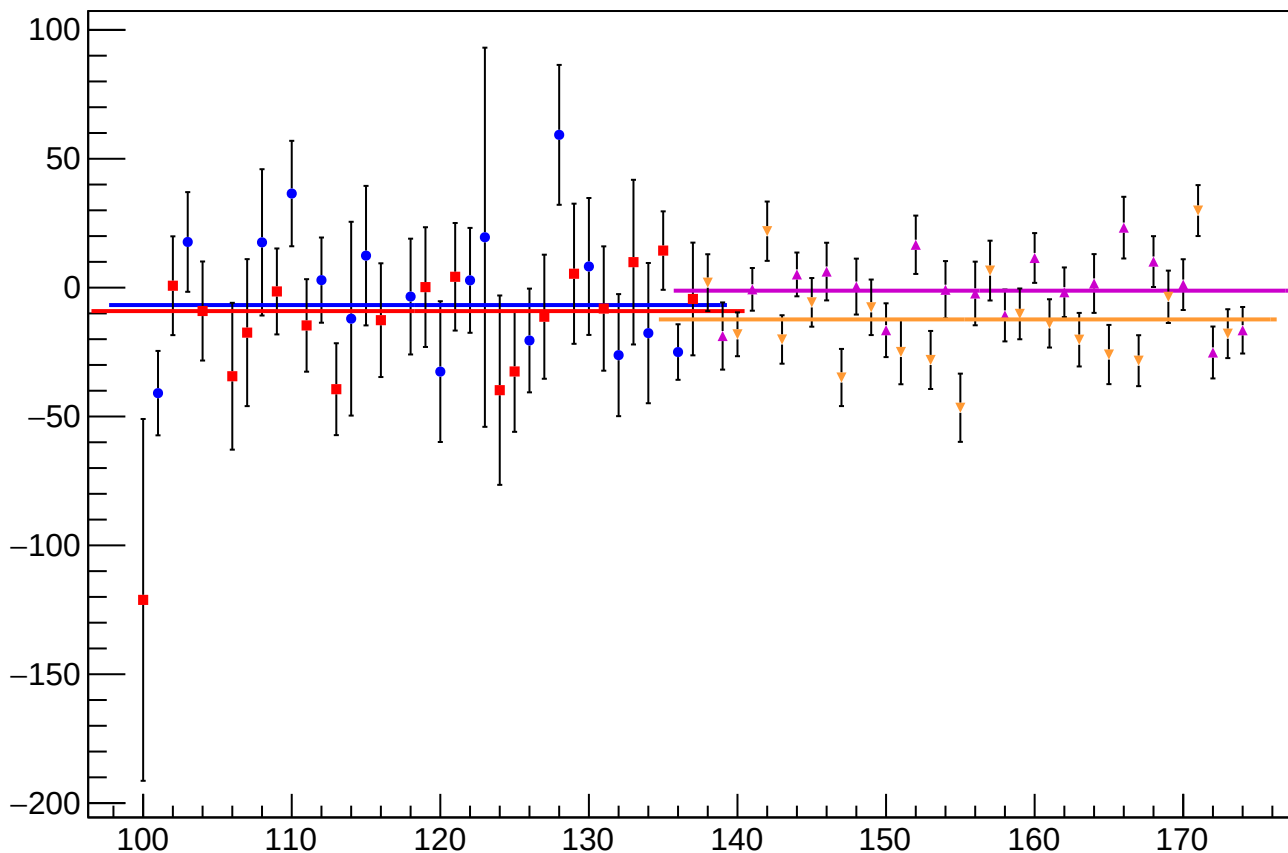
Left In: 7013.020+/-1.345 χ^2/NDF :455194.0/17

+ sign 7261.259+/-1.141 χ^2/NDF : 1162439.1/35

All: 7233.095+/-0.804 χ^2/NDF : 2361424.6/72

- 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: -12.331 ± 2.383 χ^2/NDF : 52.8/18

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

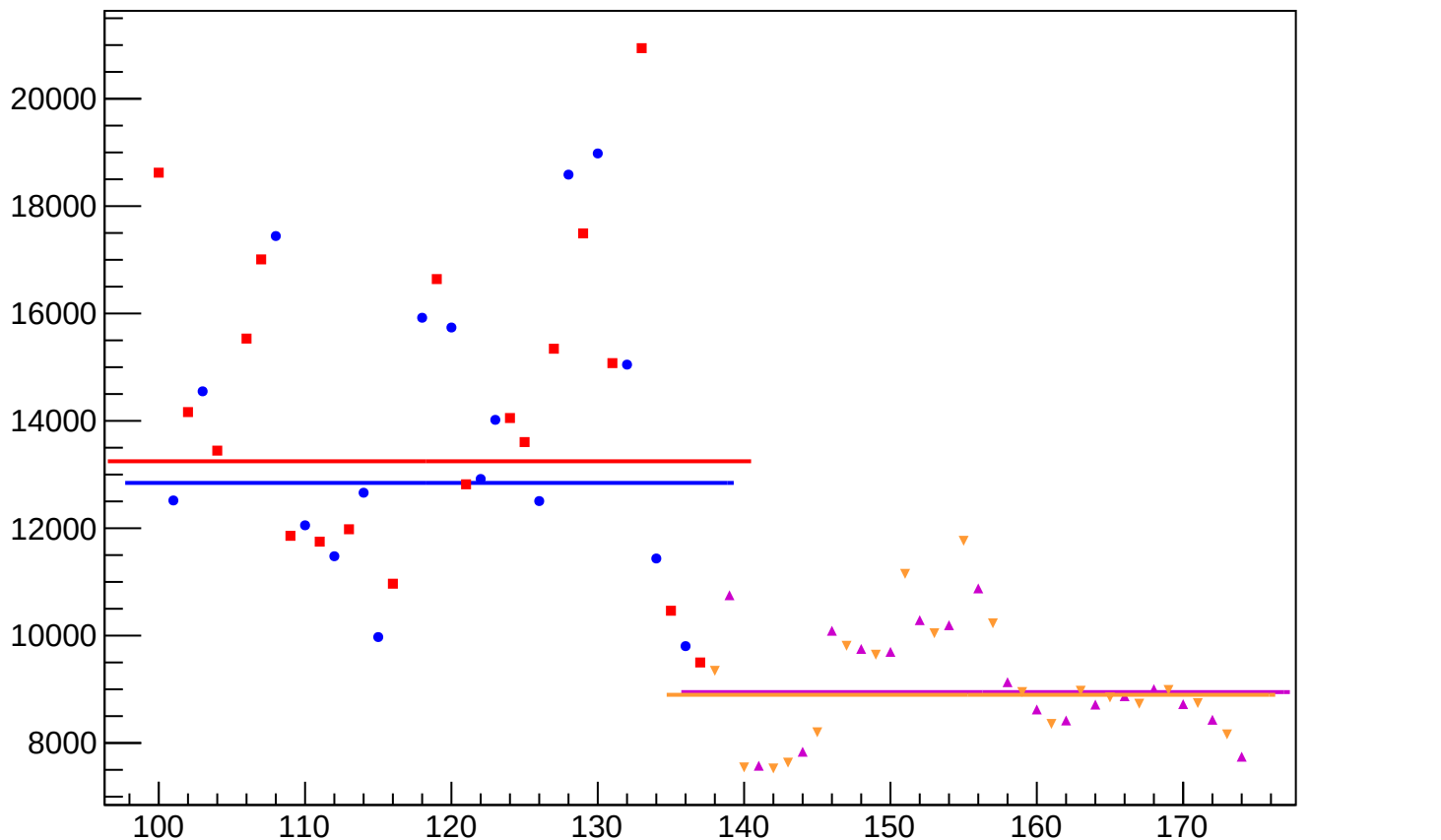
Left In: -1.180 ± 2.417 χ^2/NDF : 24.3/17

+ sign -11.328 ± 2.158 χ^2/NDF : 77.5/35

All: -7.036 ± 1.534 χ^2/NDF : 124.0/72

- 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: 8897.522+/-1.685 χ^2/NDF : 378569.3/18

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

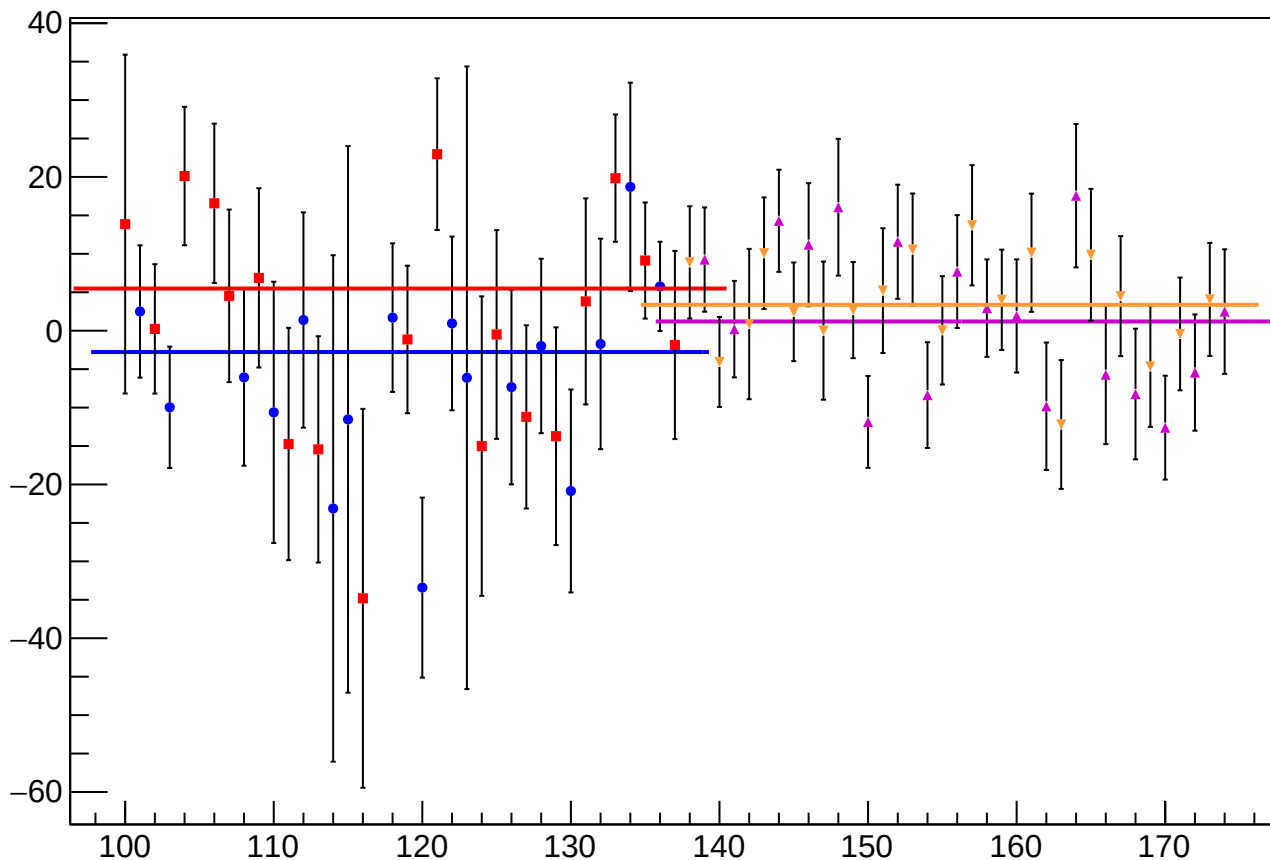
Left In: 8948.180+/-1.709 χ^2/NDF : 323311.0/17

+ sign 9608.148+/-1.526 χ^2/NDF : 1913884.9/35

All: 9675.360+/-1.085 χ^2/NDF : 3898176.2/72

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

diff_bpm4ecY_mean vs Slug



Right In: -2.774 ± 2.732 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 3.367 ± 1.695 $\chi^2/\text{NDF}: 12.4/18$

Right Out: 5.491 ± 2.587 $\chi^2/\text{NDF}: 23.2/18$

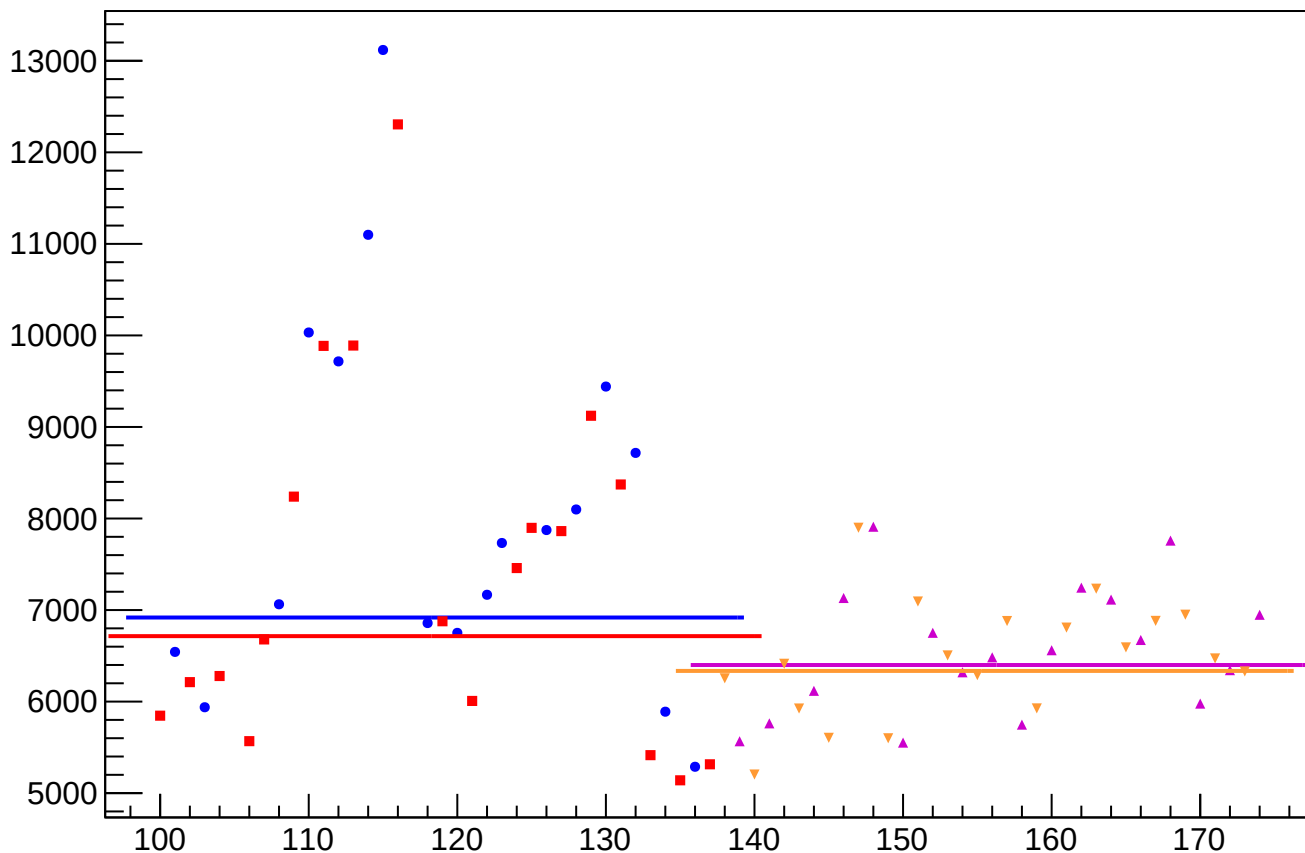
Left In: 1.201 ± 1.730 $\chi^2/\text{NDF}: 30.9/17$

+ sign 1.660 ± 1.440 $\chi^2/\text{NDF}: 32.0/35$

All: 2.094 ± 1.018 $\chi^2/\text{NDF}: 88.1/72$

- sign 2.526 ± 1.438 $\chi^2/\text{NDF}: 55.9/36$

diff_bpm4ecY_rms vs Slug



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

Left Out: 6335.126+/-1.199 χ^2/NDF : 287143.2/18

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

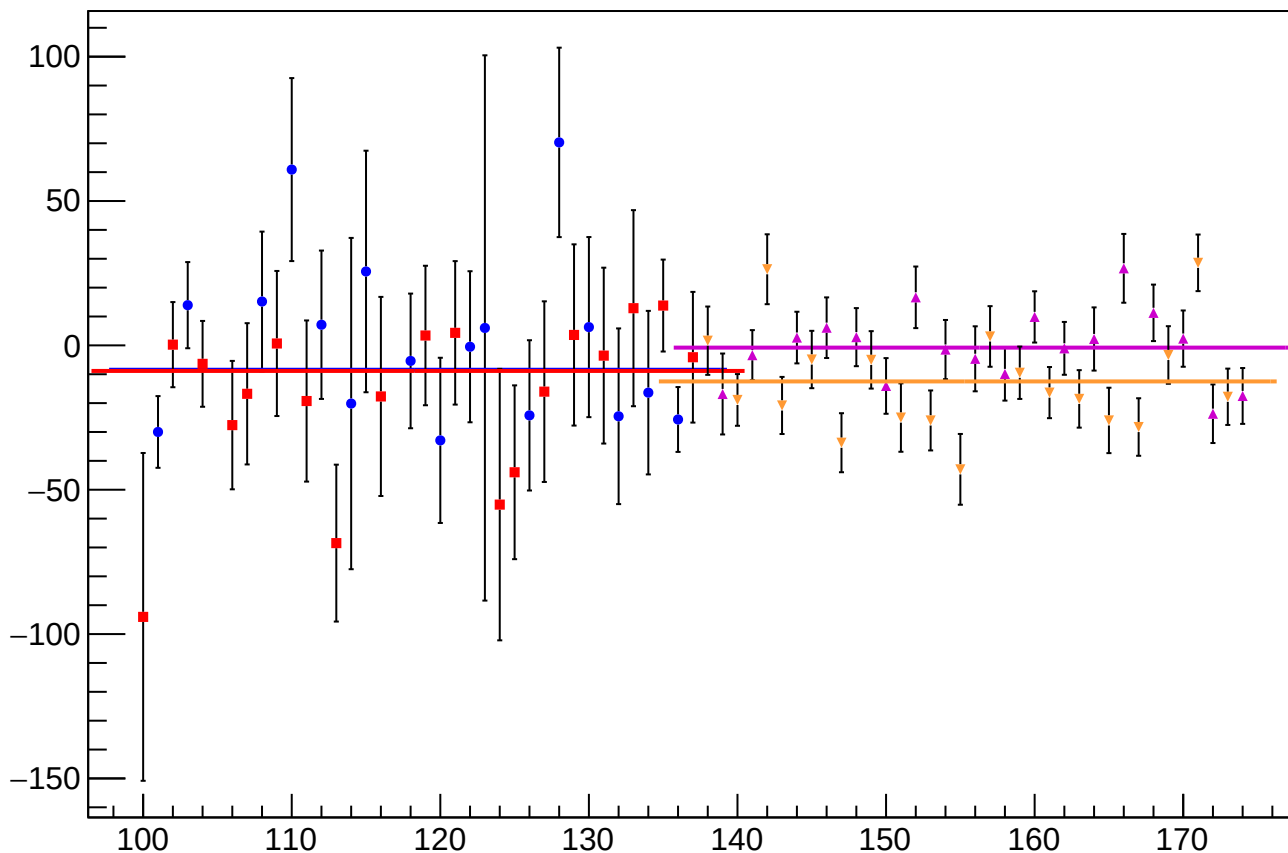
Left In: 6399.526+/-1.223 χ^2/NDF : 298772.6/17

+ sign 6497.288+/-1.018 χ^2/NDF : 940036.8/35

All: 6497.141+/-0.720 χ^2/NDF : 1915368.8/72

- 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: -12.487 ± 2.341 χ^2/NDF : 52.9/18

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

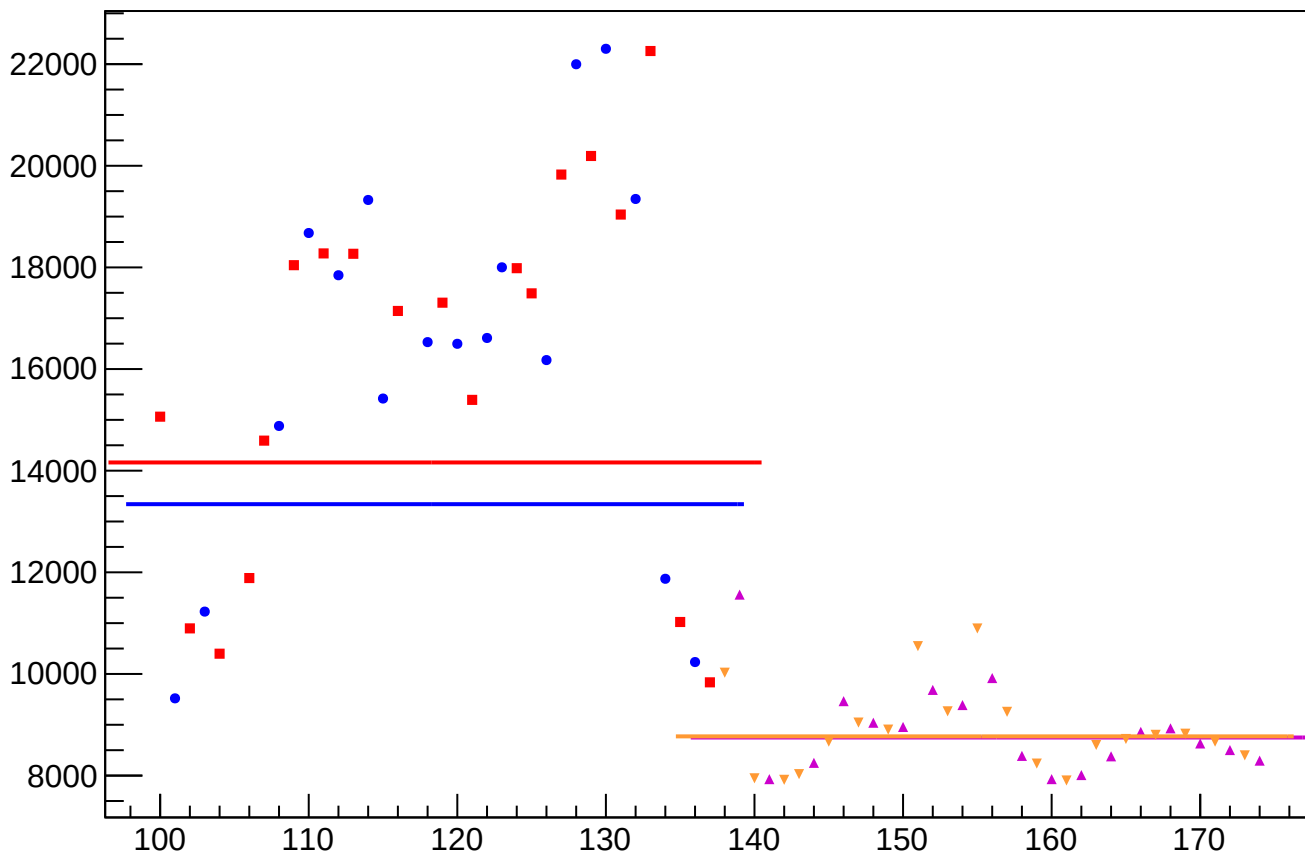
Left In: -0.779 ± 2.358 χ^2/NDF : 24.3/17

+ sign -11.847 ± 2.148 χ^2/NDF : 75.4/35

All: -6.984 ± 1.526 χ^2/NDF : 126.1/72

- 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: 8771.790+/-1.655 χ^2/NDF : 206334.2/18

+ sign 9496.370+/-1.519 χ^2/NDF : 2458902.6/35

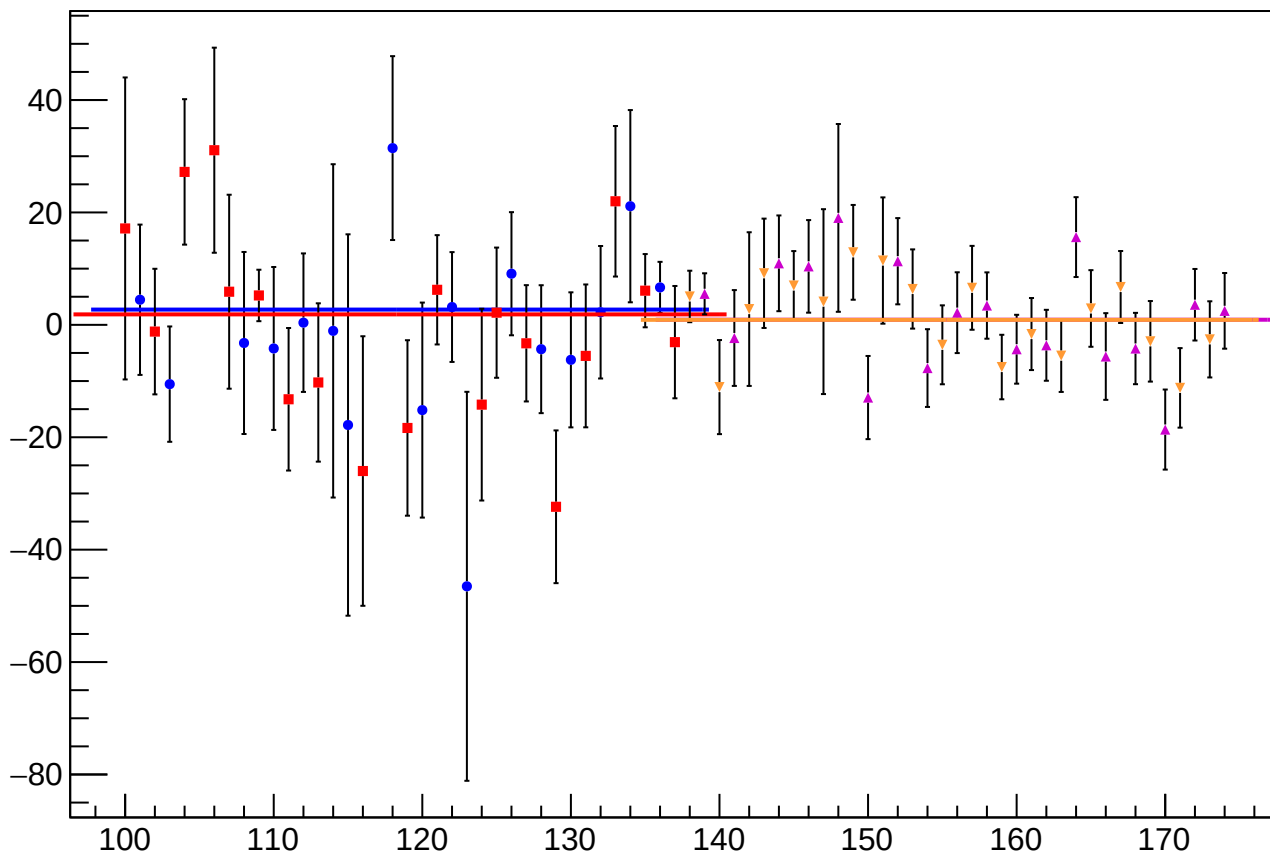
Right Out: 14161.826+/-3.895 χ^2/NDF : 931787.3/18

All: 9541.515+/-1.079 χ^2/NDF : 5227783.0/72

- 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: 0.891 ± 1.634 χ^2/NDF : 16.8/18

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

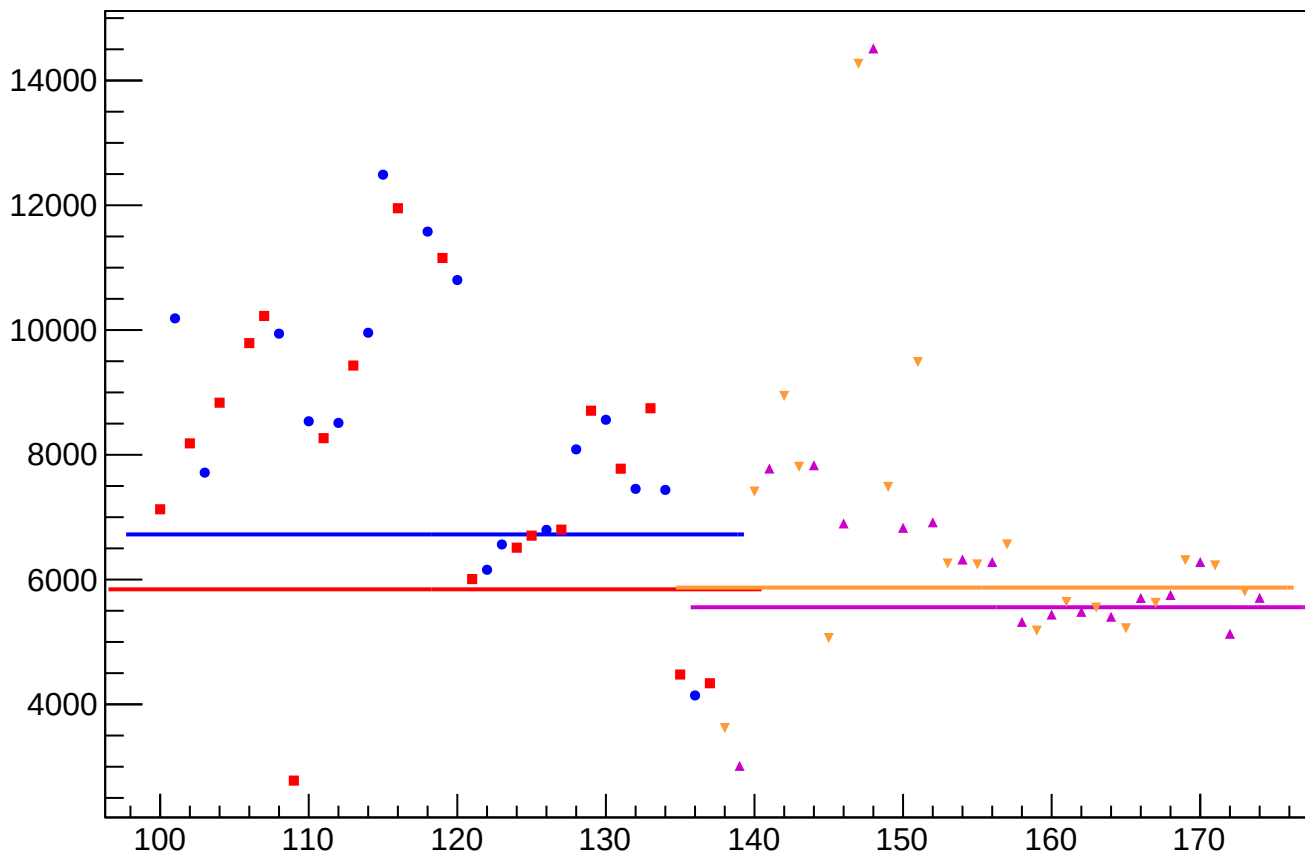
Left In: 0.910 ± 1.572 χ^2/NDF : 27.4/17

+ sign 1.367 ± 1.405 χ^2/NDF : 28.8/35

All: 1.273 ± 0.963 χ^2/NDF : 79.8/72

- 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: 5871.596+/-1.156 χ^2/NDF : 1667008.4/18

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

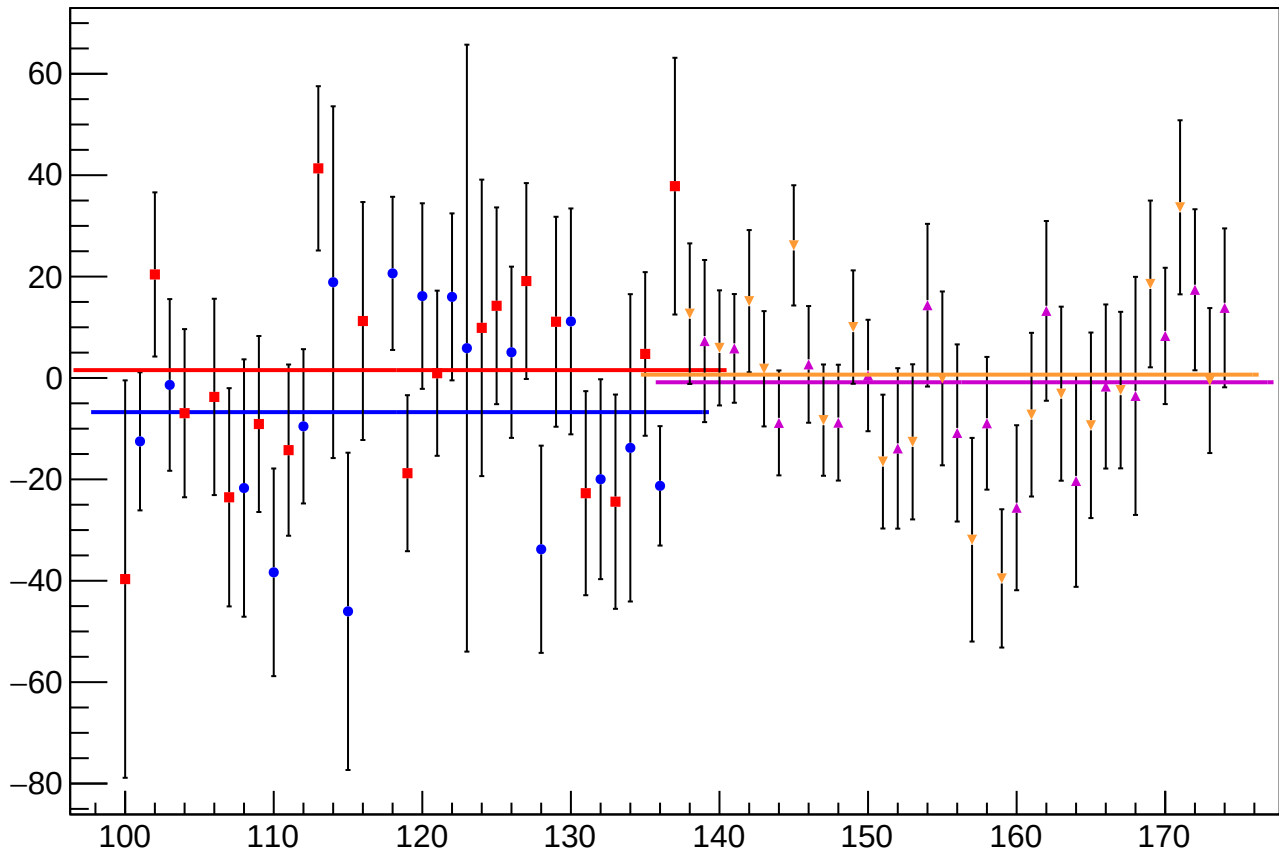
Left In: 5556.256+/-1.112 χ^2/NDF : 2080211.7/17

+ sign 6093.796+/-0.994 χ^2/NDF : 3200885.1/35

All: 5853.309+/-0.681 χ^2/NDF : 7688336.2/72

- 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: 0.661 ± 3.213 χ^2/NDF : 27.3/18

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

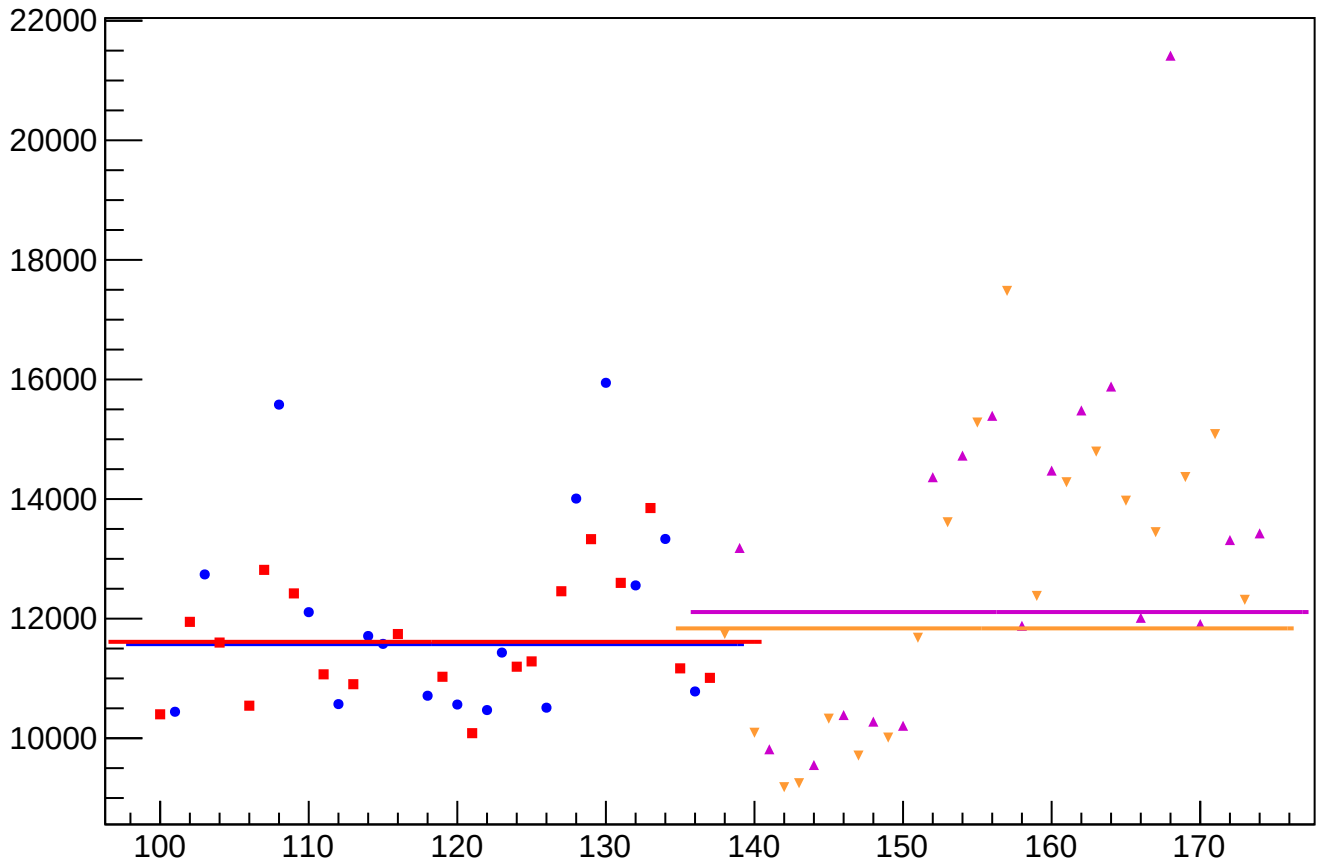
Left In: -0.846 ± 3.317 χ^2/NDF : 10.6/17

+ sign -1.828 ± 2.618 χ^2/NDF : 46.0/35

All: -0.908 ± 1.860 χ^2/NDF : 77.0/72

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

diff_bpm11X_rms vs Slug



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

Left Out: 11837.051 $\pm$ 2.272 χ^2 /NDF: 927880.0/18

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

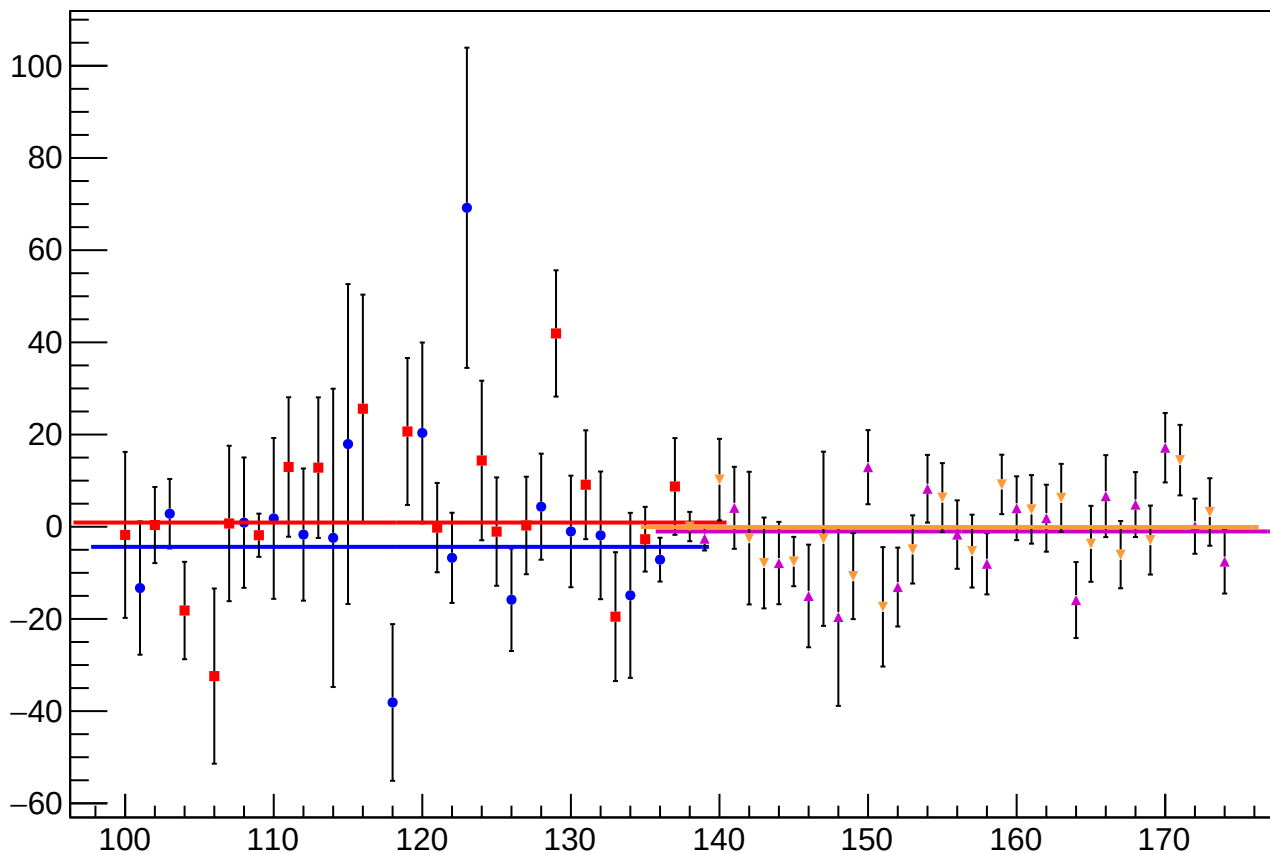
Left In: 12110.307 $\pm$ 2.346 χ^2 /NDF: 1063852.8/17

+ sign 11748.379 $\pm$ 1.851 χ^2 /NDF: 1171141.2/35

All: 11837.493 $\pm$ 1.315 χ^2 /NDF: 2350454.7/7

- sign 11928.330 $\pm$ 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: -0.067 ± 1.618 χ^2/NDF : 16.5/18

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

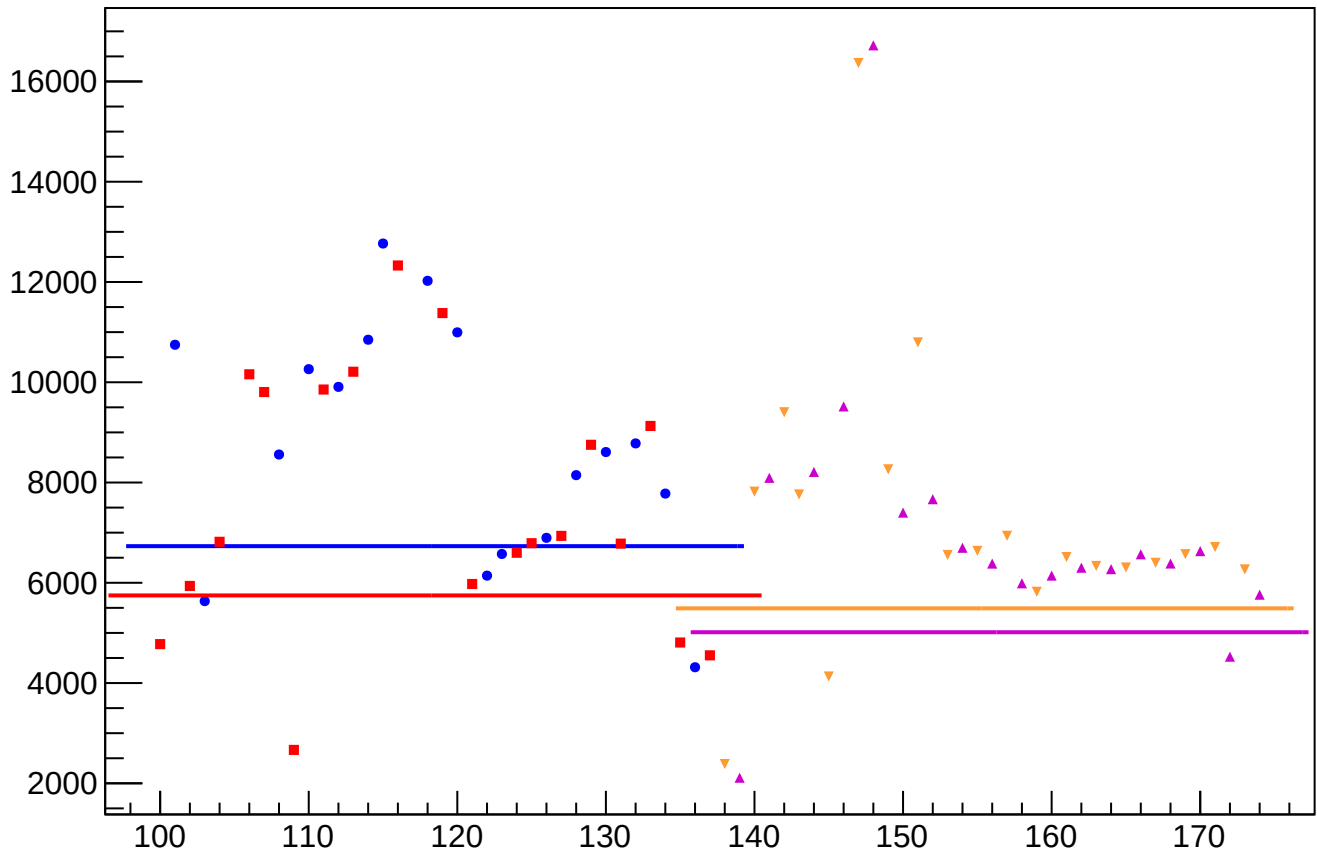
Left In: -1.022 ± 1.524 χ^2/NDF : 23.6/17

+ sign -1.156 ± 1.398 χ^2/NDF : 32.8/35

All: -0.788 ± 0.948 χ^2/NDF : 80.6/72

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

diff_bpm11Y_rms vs Slug



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

Left Out: 5489.983 $\pm$ 1.144 χ^2 /NDF: 3997651.9/18

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

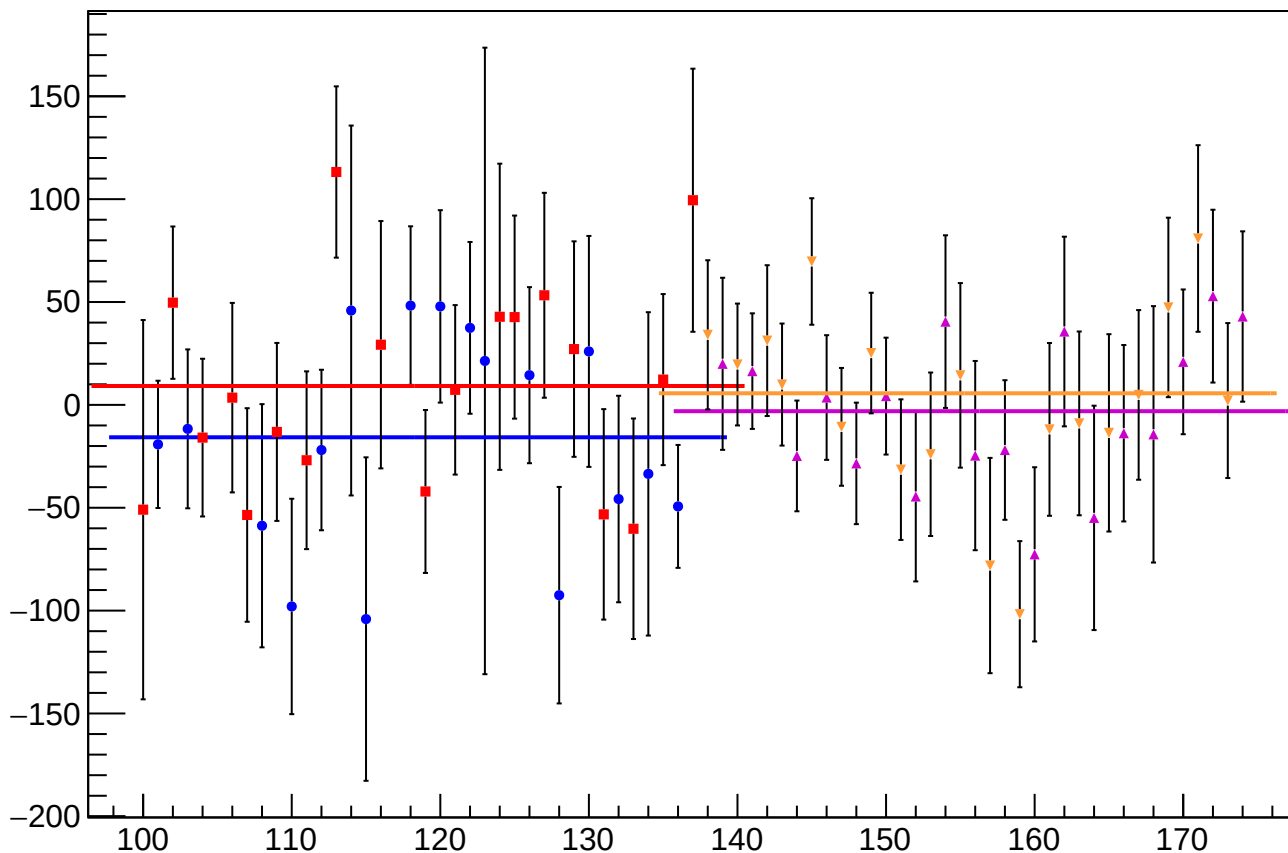
Left In: 5013.695 $\pm$ 1.078 χ^2 /NDF: 5142195.6/17

+ sign 5804.621 $\pm$ 0.989 χ^2 /NDF: 5741051.4/35

All: 5489.663 $\pm$ 0.671 χ^2 /NDF: 13364719.5/7

- sign 5221.337 $\pm$ 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: 5.642 ± 8.399 χ^2/NDF : 24.1/18

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

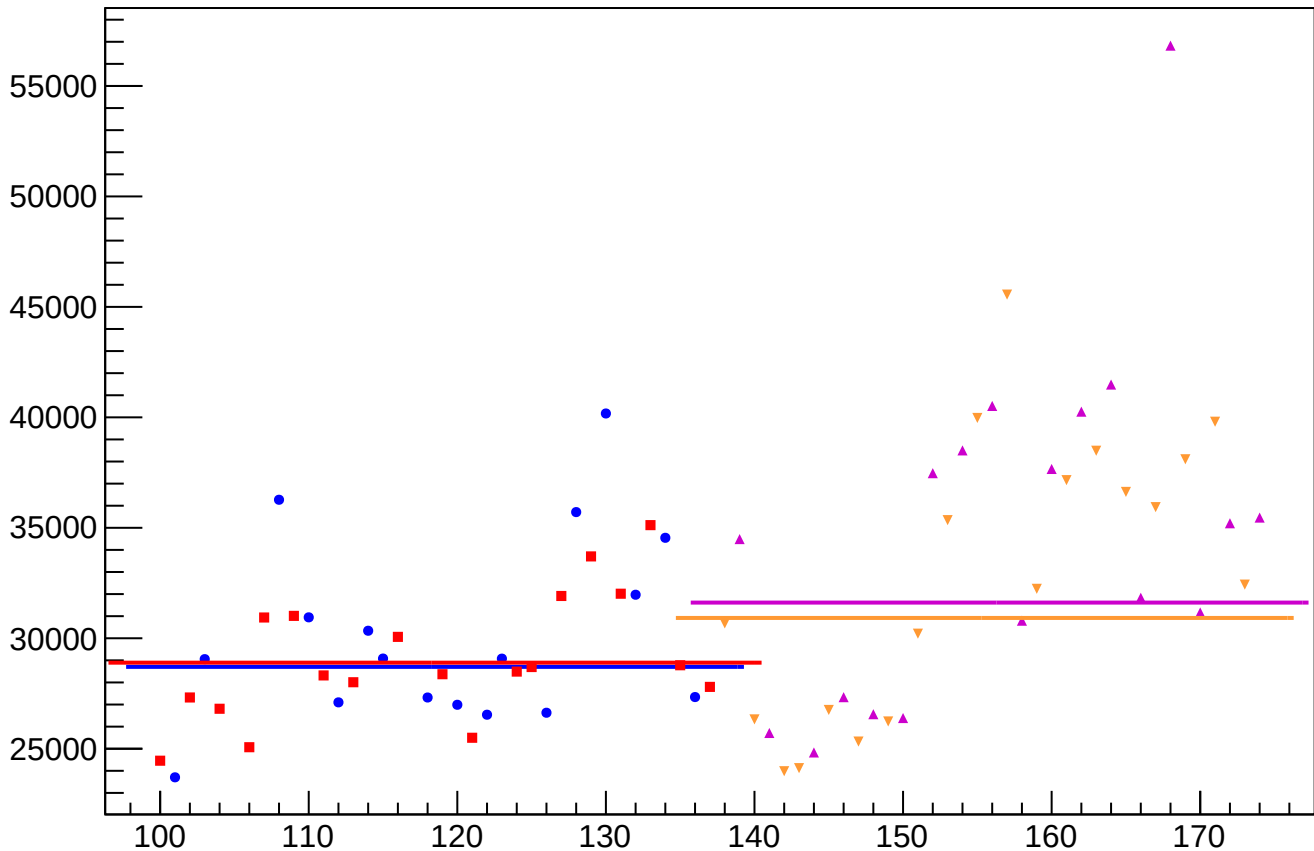
Left In: -3.066 ± 8.666 χ^2/NDF : 12.8/17

+ sign -2.051 ± 6.721 χ^2/NDF : 42.3/35

All: -0.201 ± 4.773 χ^2/NDF : 75.3/72

- 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: 30920.023 $\pm$ 5.939 χ^2 /NDF: 949072.9/18

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

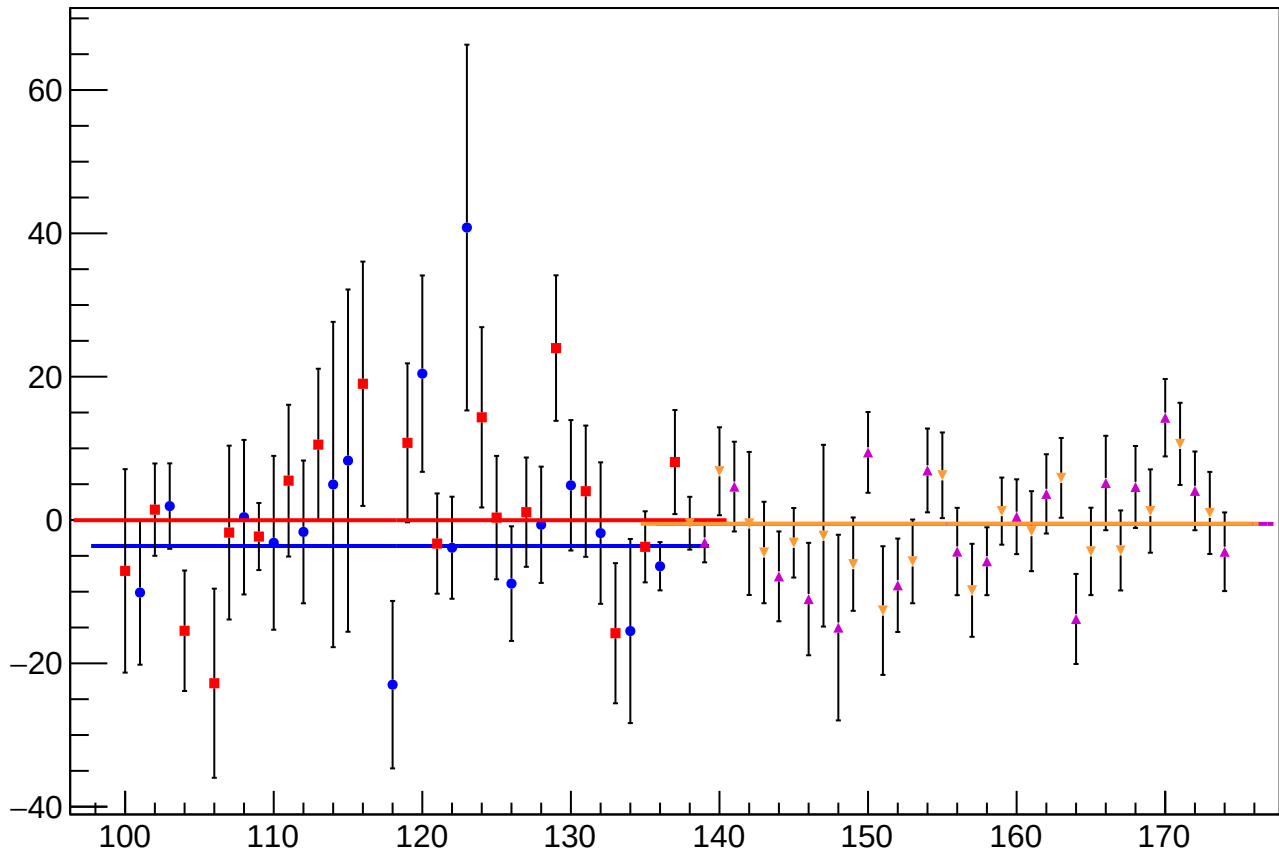
Left In: 31614.998 $\pm$ 6.128 χ^2 /NDF: 1097514.6/17

+ sign 30123.676 $\pm$ 4.752 χ^2 /NDF: 1250067.7/35

All: 30340.144 $\pm$ 3.375 χ^2 /NDF: 2539352.2/7

- 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: -0.526 ± 1.342 χ^2/NDF : 15.1/18

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

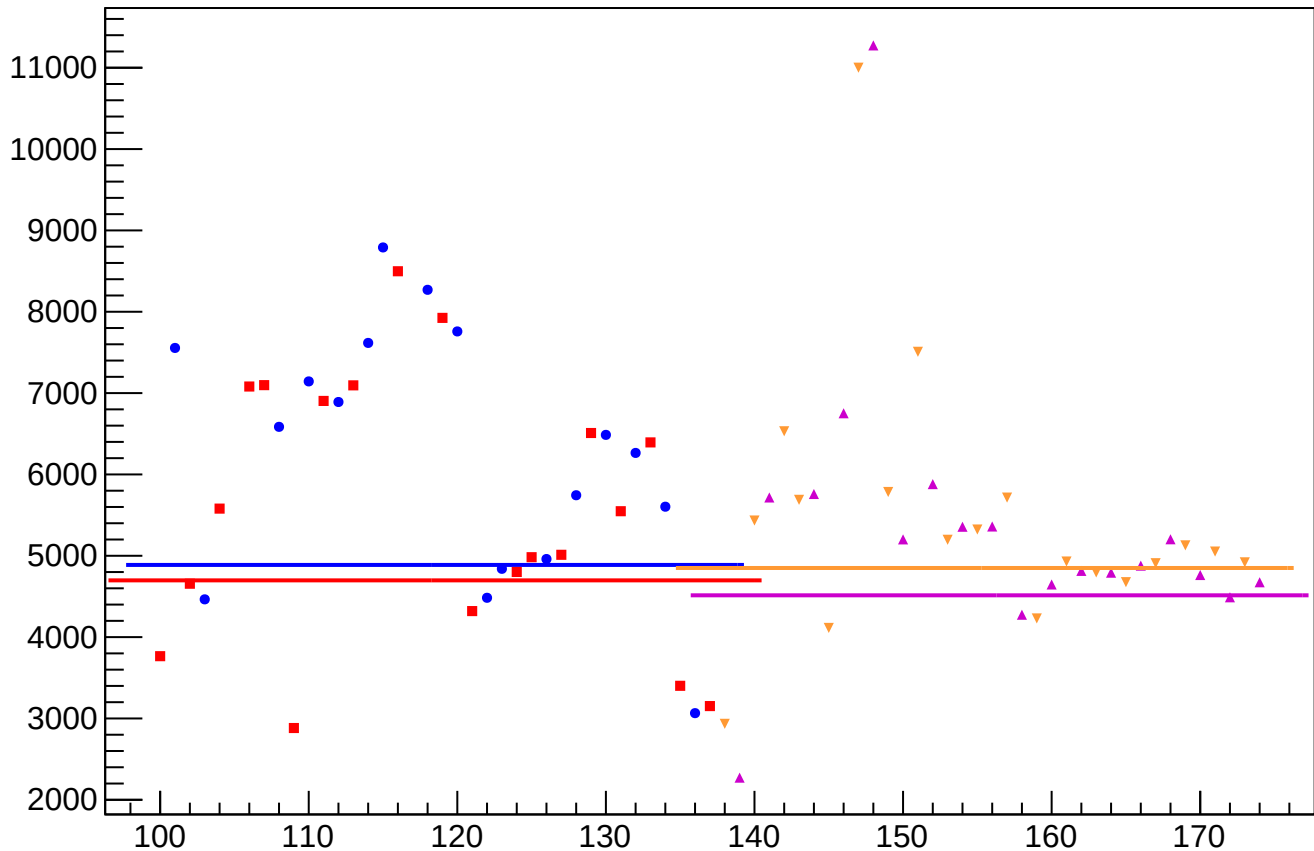
Left In: -0.538 ± 1.281 χ^2/NDF : 29.4/17

+ sign -1.484 ± 1.115 χ^2/NDF : 30.4/35

All: -0.903 ± 0.769 χ^2/NDF : 82.6/72

- 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: 4849.963 $\pm$ 0.949 χ^2 /NDF:1476803.6/18

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

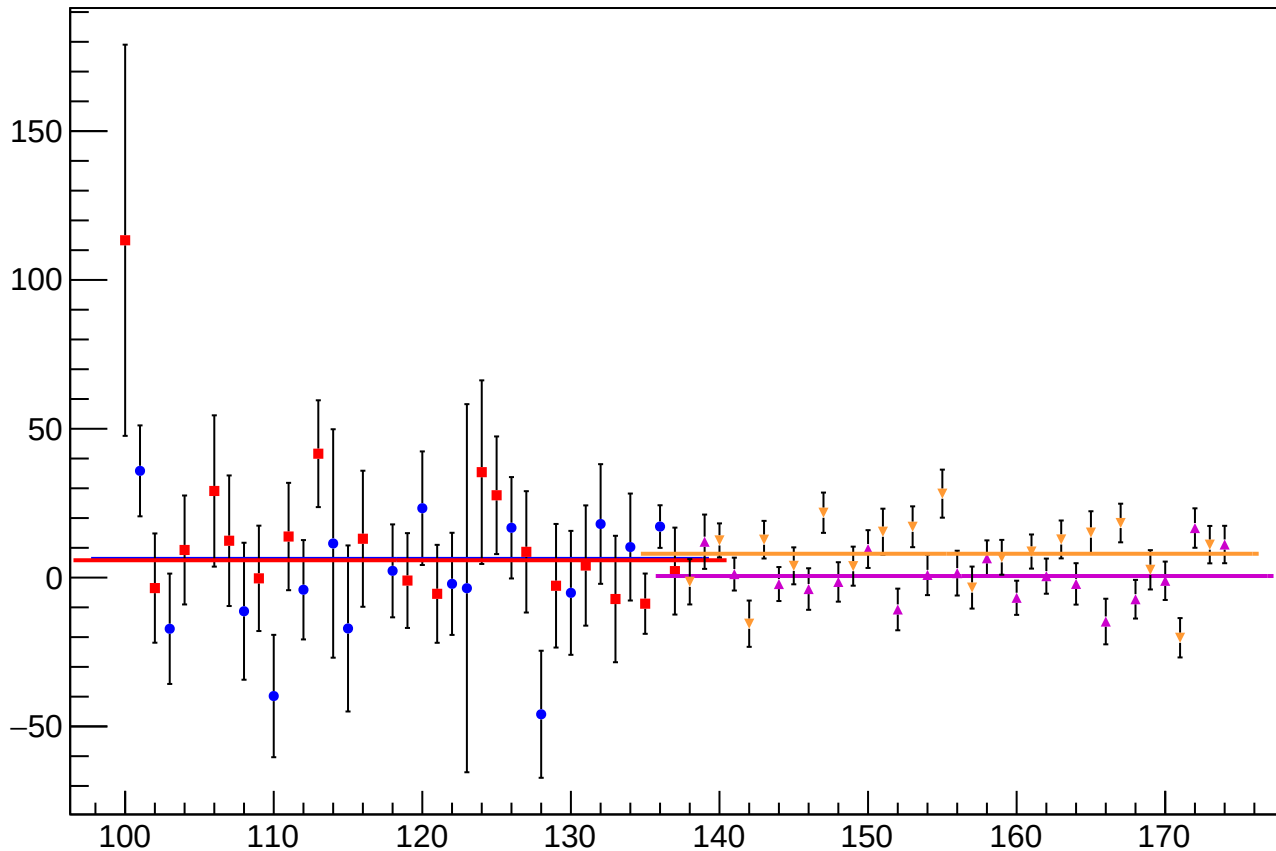
Left In: 4513.974 $\pm$ 0.906 χ^2 /NDF:2433460.2/17

+ sign 4861.571 $\pm$ 0.789 χ^2 /NDF: 2886584.6/35

All: 4709.428 $\pm$ 0.543 χ^2 /NDF: 6716990.1/72

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

diff_bpm16X_mean vs Slug



Right In: 6.283 ± 4.064 $\chi^2/\text{NDF}: 22.5/16$

Left Out: 8.008 ± 1.520 $\chi^2/\text{NDF}: 51.6/18$

Right Out: 5.828 ± 4.219 $\chi^2/\text{NDF}: 13.8/18$

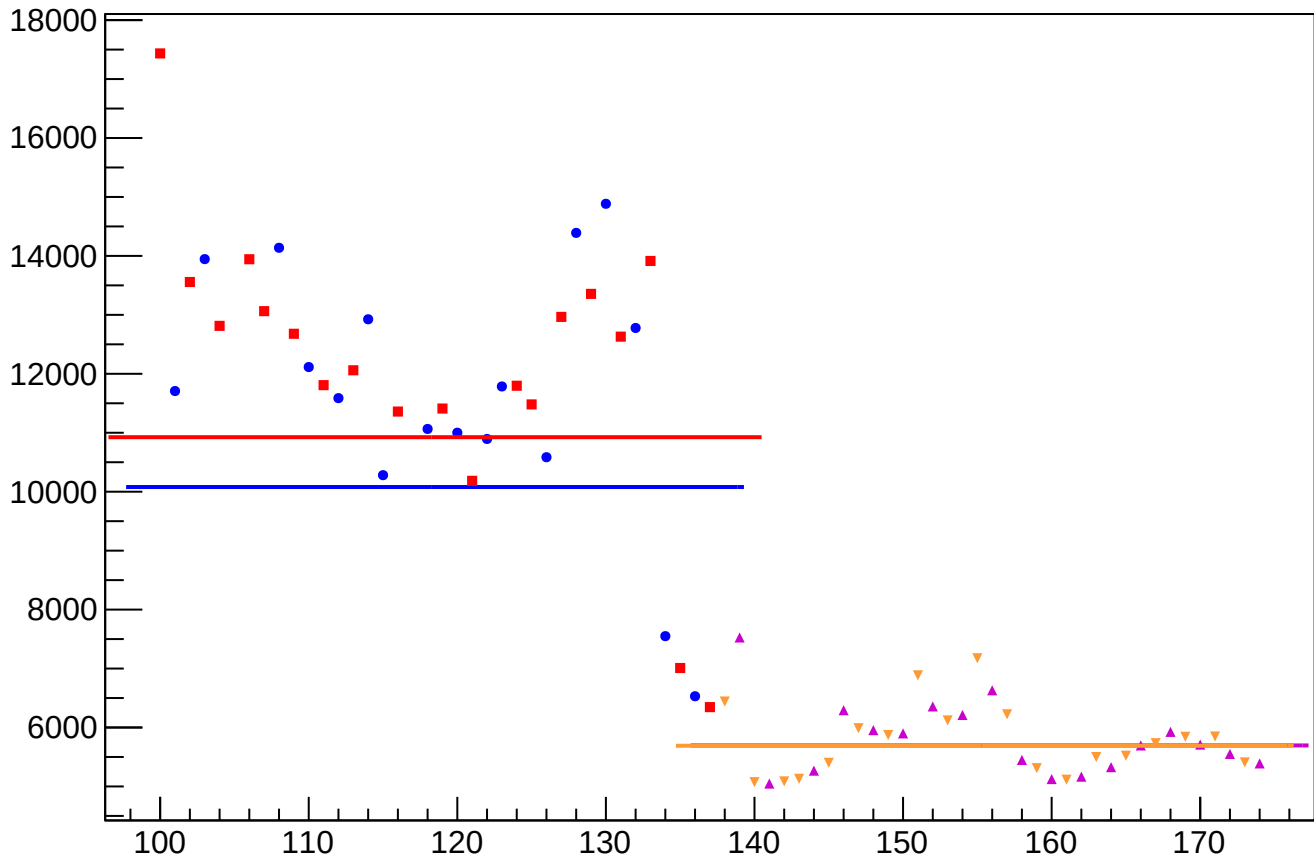
Left In: 0.531 ± 1.536 $\chi^2/\text{NDF}: 23.9/17$

+ sign 7.796 ± 1.424 $\chi^2/\text{NDF}: 74.3/35$

All: 4.518 ± 1.014 $\chi^2/\text{NDF}: 124.2/72$

- sign 1.151 ± 1.443 $\chi^2/\text{NDF}: 39.1/36$

diff_bpm16X_rms vs Slug



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

Left Out: 5690.540 $\pm$ 1.075 χ^2 /NDF: 252870.5/18

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

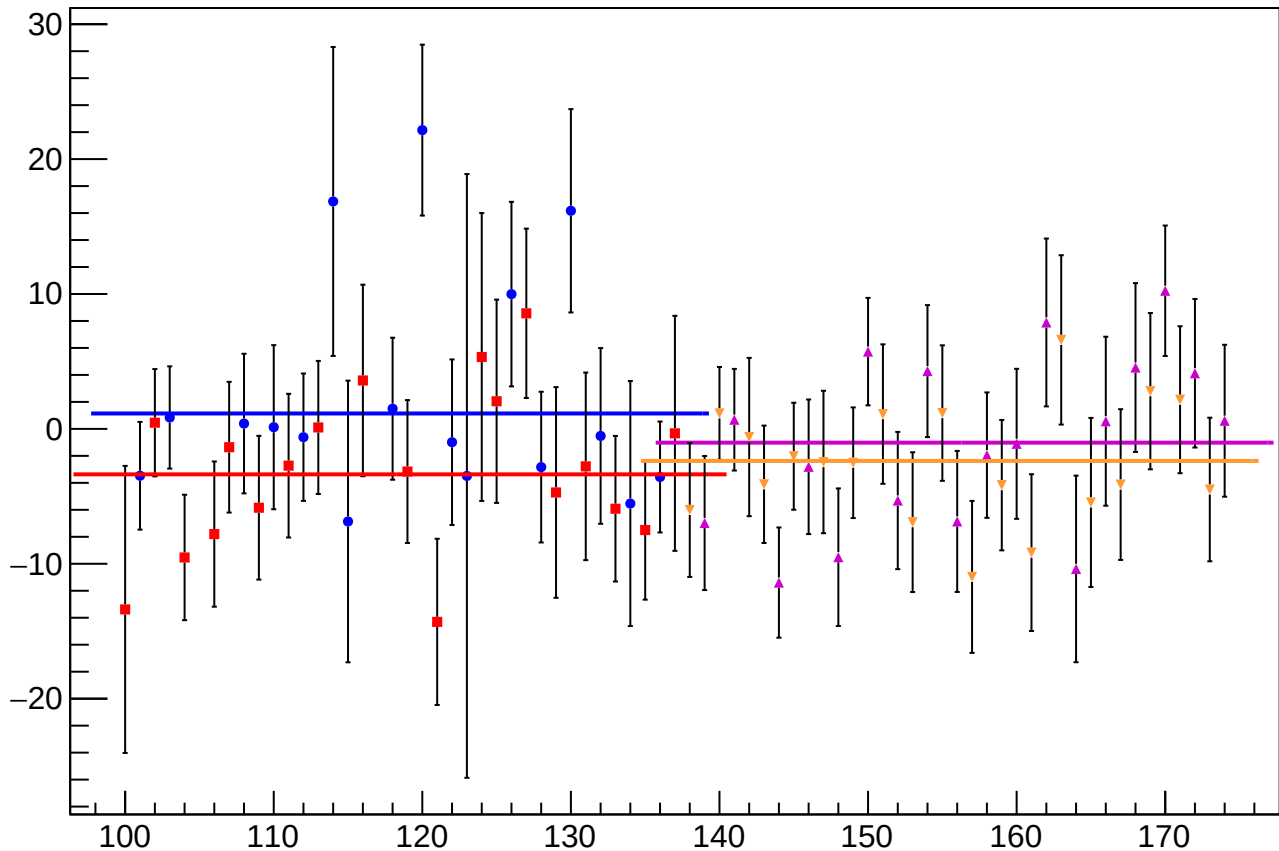
Left In: 5695.714 $\pm$ 1.086 χ^2 /NDF: 252466.8/17

+ sign 6229.418 $\pm$ 1.007 χ^2 /NDF: 3293607.4/35

All: 6268.058 $\pm$ 0.717 χ^2 /NDF: 7029802.3/72

- 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: -2.376 ± 1.143 χ^2/NDF : 11.4/18

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

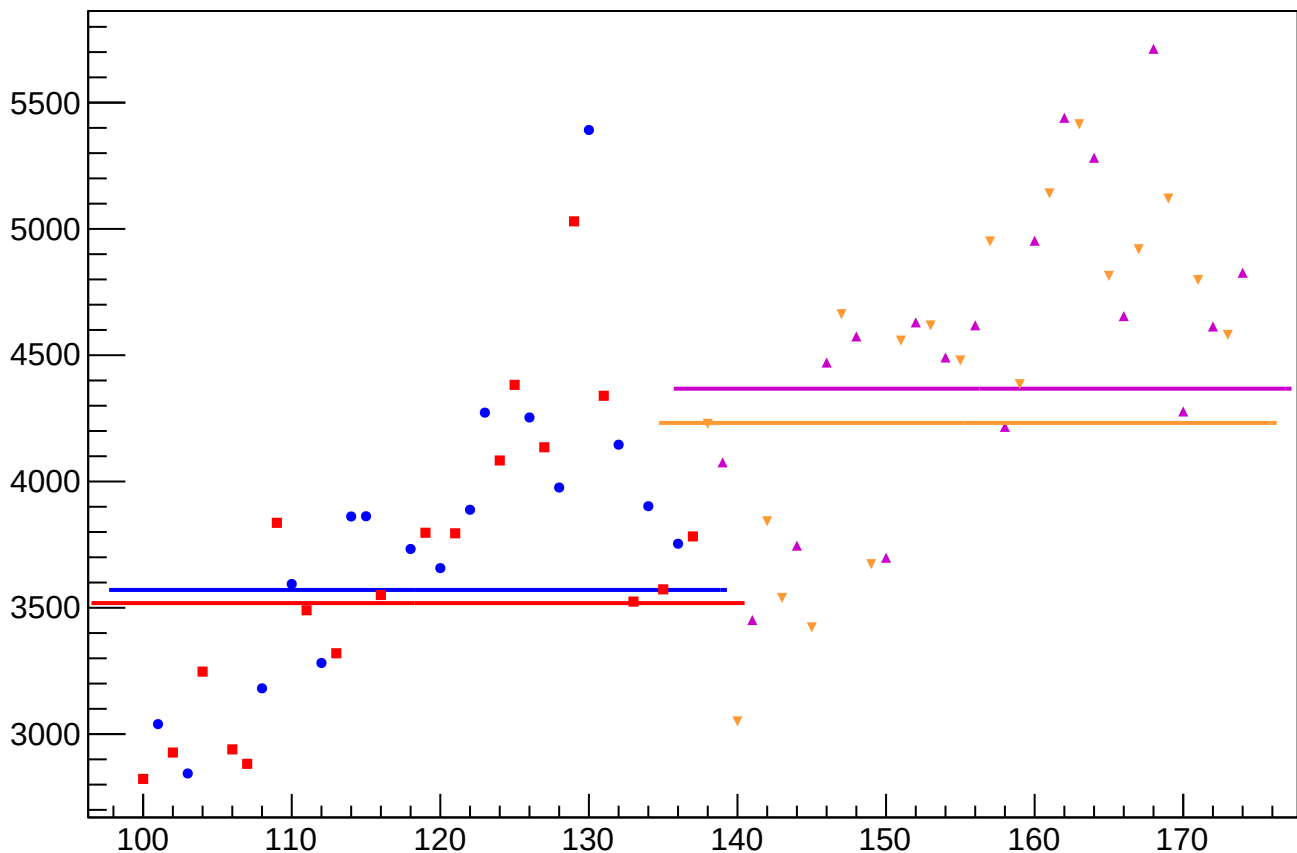
Left In: -1.020 ± 1.184 χ^2/NDF : 28.1/17

+ sign -0.963 ± 0.884 χ^2/NDF : 38.5/35

All: -1.509 ± 0.626 χ^2/NDF : 84.2/72

- 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: 4231.933+/-0.808 χ^2/NDF : 732177.3/18

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

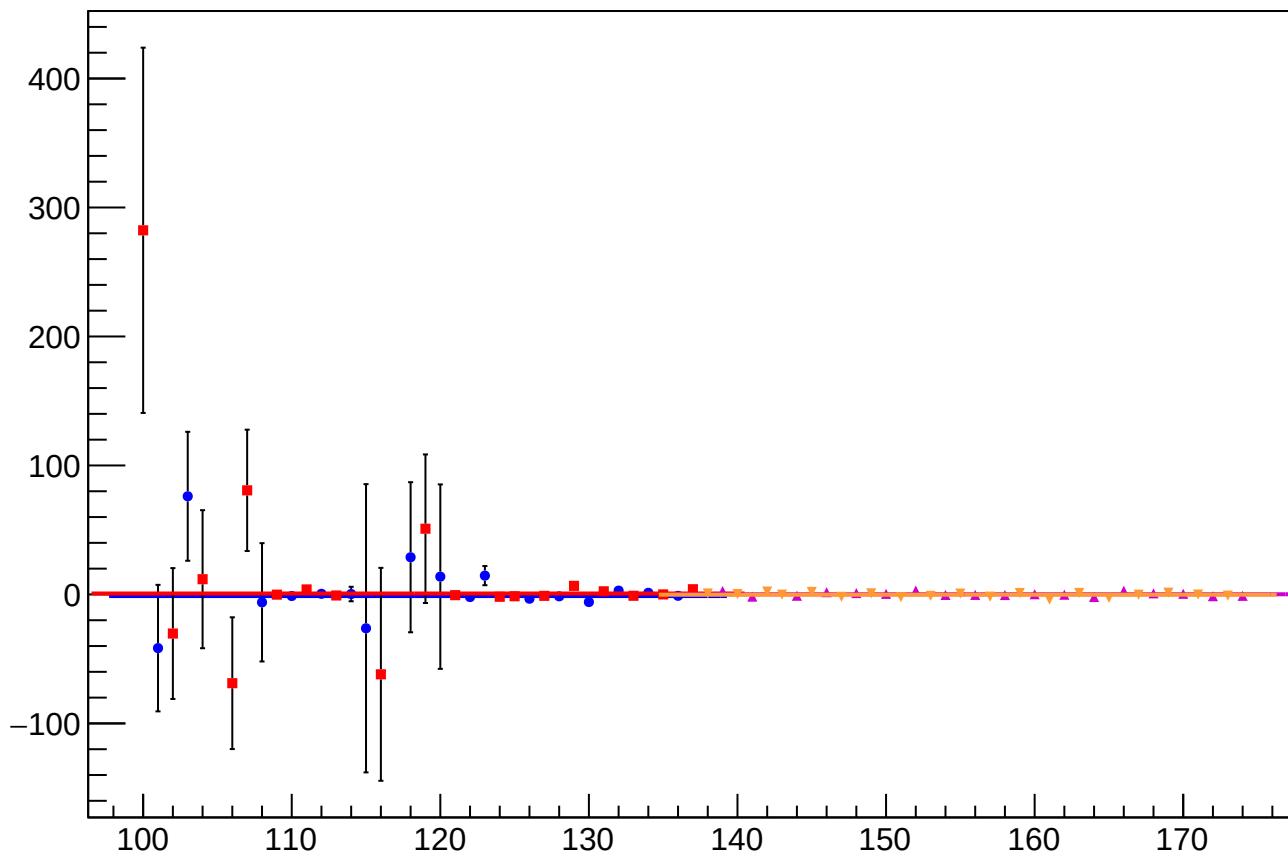
Left In: 4367.483+/-0.837 χ^2/NDF : 476483.4/17

+ sign 3966.422+/-0.625 χ^2/NDF : 1310581.3/35

All: 3979.756+/-0.442 χ^2/NDF : 2534466.7/72

- 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: -0.196 ± 0.281 χ^2/NDF : 32.0/18

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

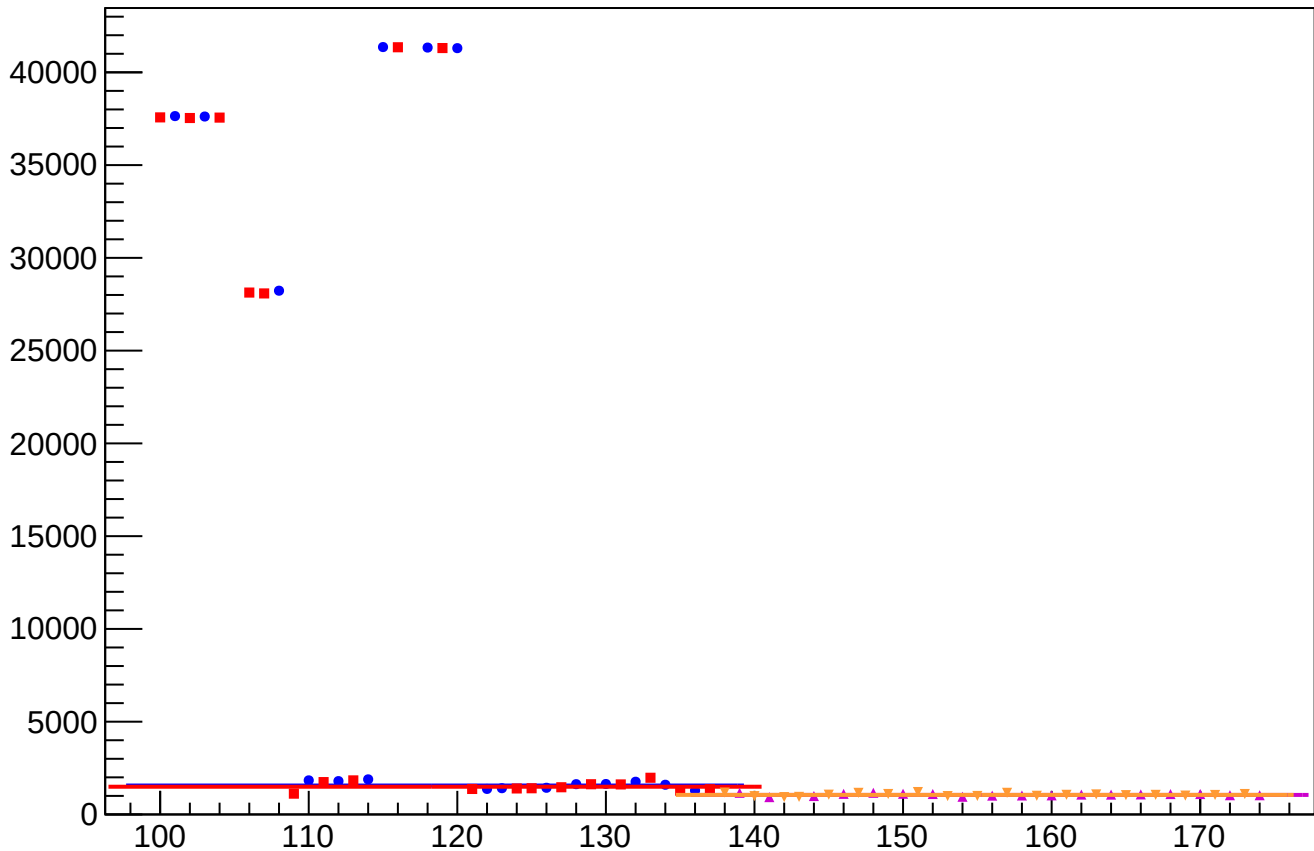
Left In: 0.129 ± 0.283 χ^2/NDF : 24.9/17

+ sign -0.328 ± 0.263 χ^2/NDF : 50.1/35

All: -0.058 ± 0.186 χ^2/NDF : 99.8/72

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

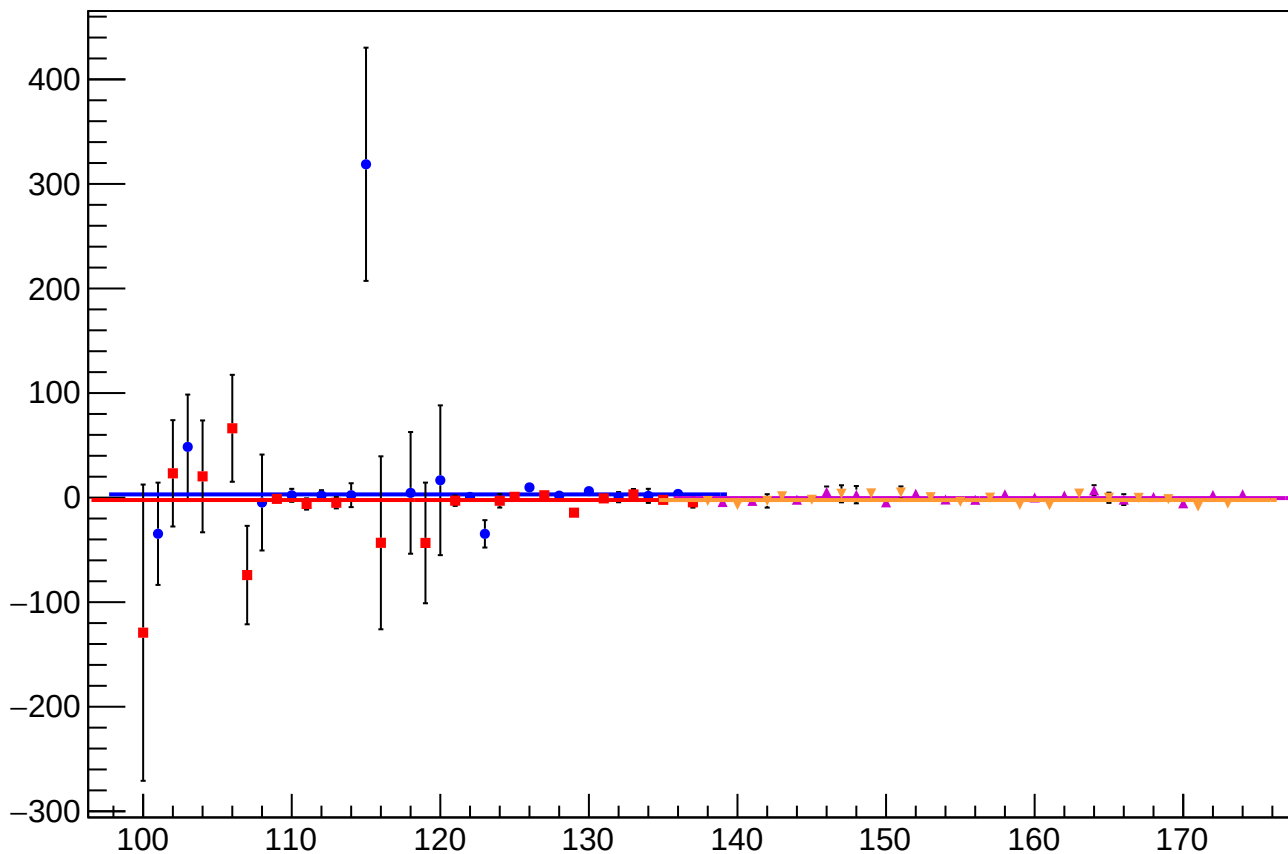
diff_bpm1p02bX_rms vs Slug



Right In: 1558.988 $\pm$ 0.529 χ^2 /NDF: 4753669.7/16
 Left Out: 1054.266 $\pm$ 0.199 χ^2 /NDF:134569.5/18
 Right Out: 1494.619 $\pm$ 0.502 χ^2 /NDF: 4892920.0/18
 Left In: 1052.657 $\pm$ 0.200 χ^2 /NDF:105671.0/17

+ sign 1116.610 $\pm$ 0.186 χ^2 /NDF: 5686668.9/35
 All: 1114.942 $\pm$ 0.131 χ^2 /NDF: 11353550.0/7
 - sign 1113.272 $\pm$ 0.186 χ^2 /NDF: 5666719.9/36

diff_bpm1p02bY_mean vs Slug



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

Left Out: -2.329 ± 0.920 χ^2/NDF : 15.6/18

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

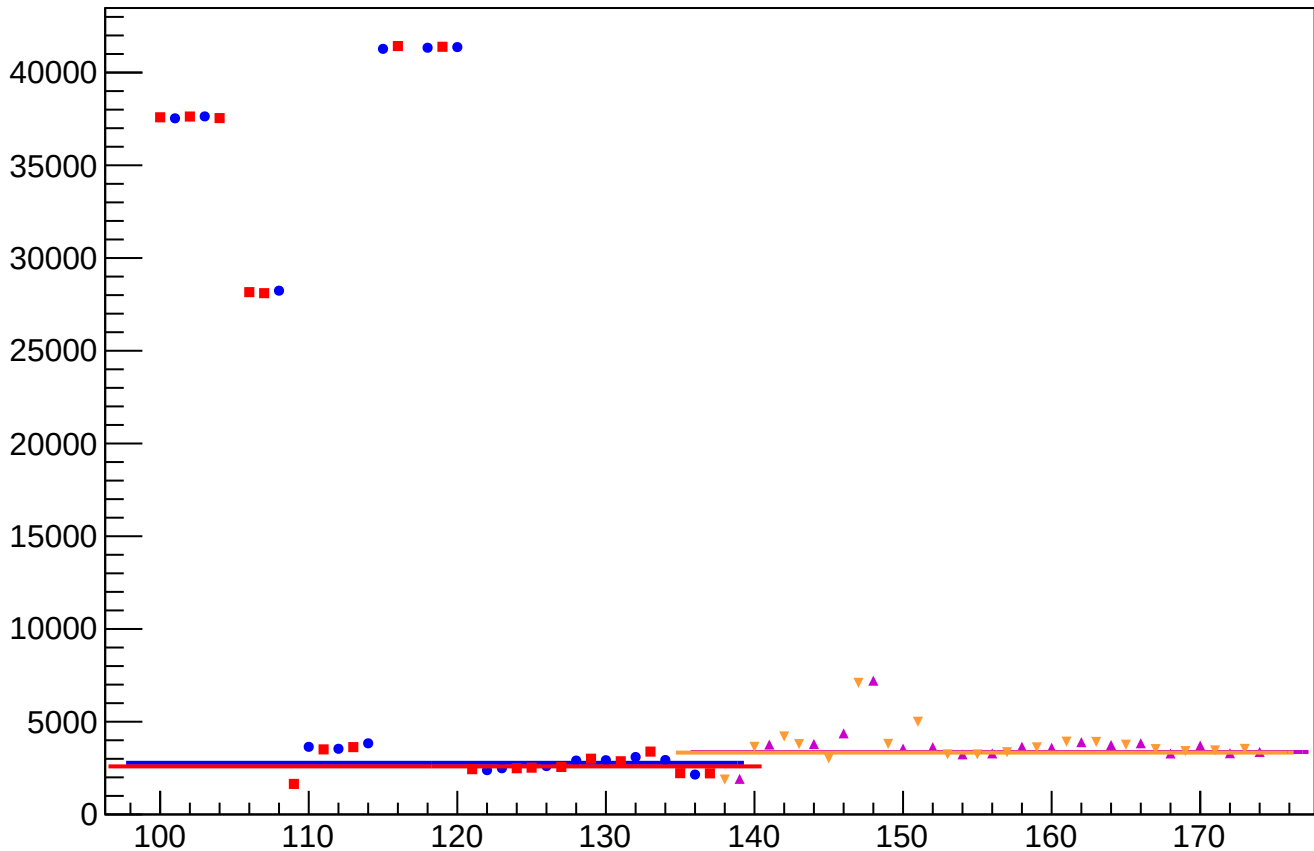
Left In: -0.460 ± 0.935 χ^2/NDF : 13.6/17

+ sign -0.568 ± 0.755 χ^2/NDF : 48.8/35

All: -0.854 ± 0.530 χ^2/NDF : 81.0/72

- sign -1.132 ± 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: 3334.162+/-0.650 χ^2/NDF : 1625430.0/18

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

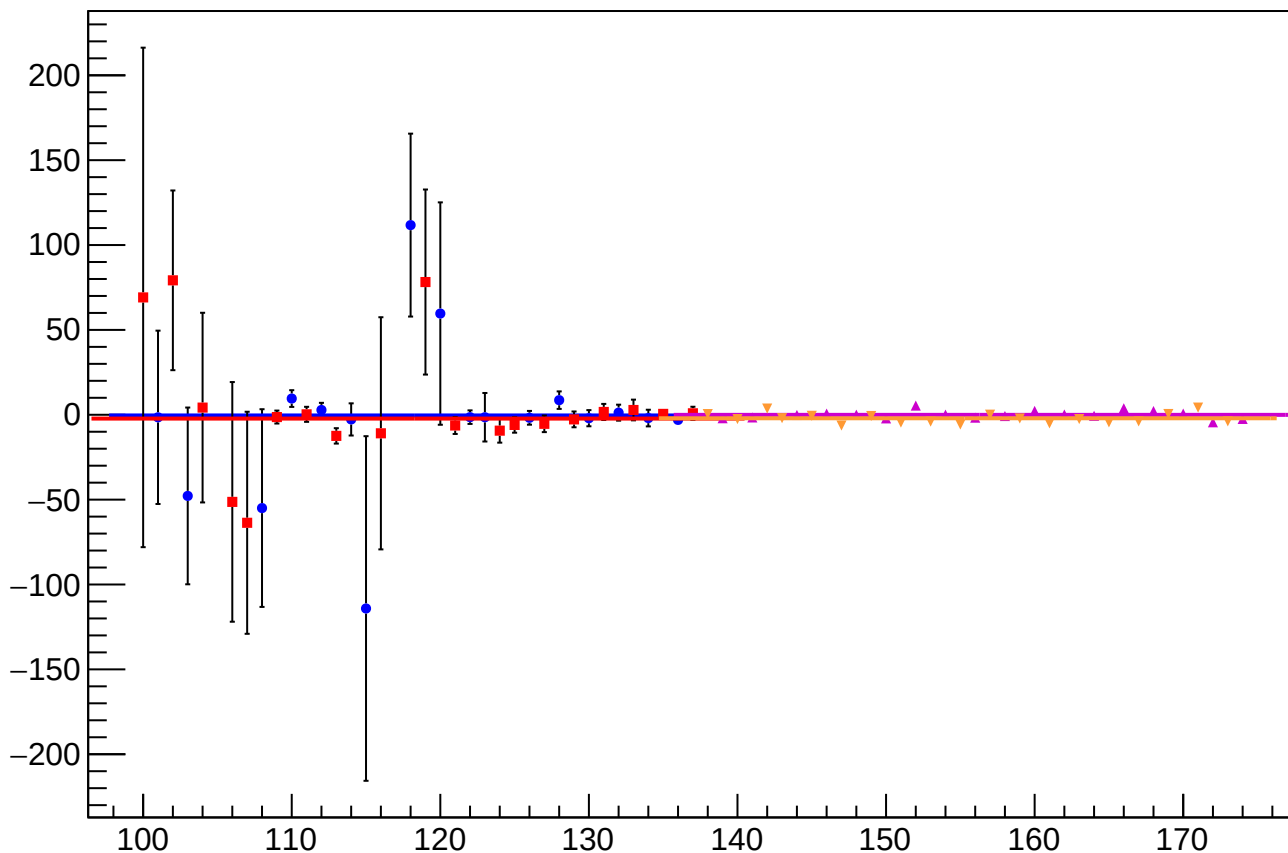
Left In: 3367.943+/-0.661 χ^2/NDF : 1403558.1/17

+ sign 3154.890+/-0.534 χ^2/NDF : 6435943.9/35

All: 3119.413+/-0.375 χ^2/NDF : 13198206.8/7

- 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: -2.066 ± 0.443 χ^2/NDF : 38.7/18

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

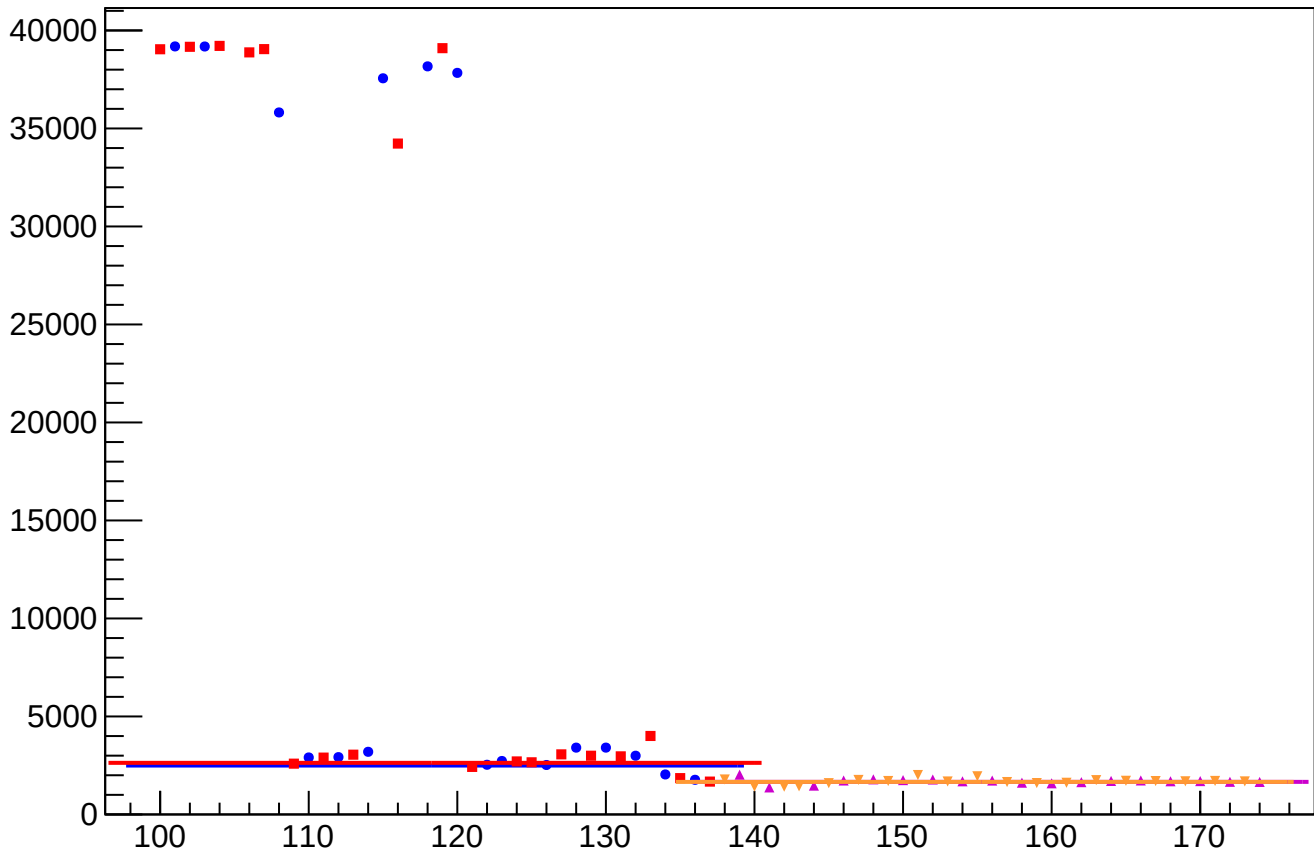
Left In: -0.055 ± 0.448 χ^2/NDF : 24.2/17

+ sign -1.871 ± 0.416 χ^2/NDF : 58.6/35

All: -1.098 ± 0.296 χ^2/NDF : 110.0/72

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

diff_bpm1p03aX_rms vs Slug



Right In: 2495.603 ± 0.861 $\chi^2/\text{NDF}: 4882334.6/16$

Left Out: 1661.024 ± 0.313 $\chi^2/\text{NDF}: 214829.7/18$

Right Out: 2633.244 ± 0.881 $\chi^2/\text{NDF}: 4860512.6/18$

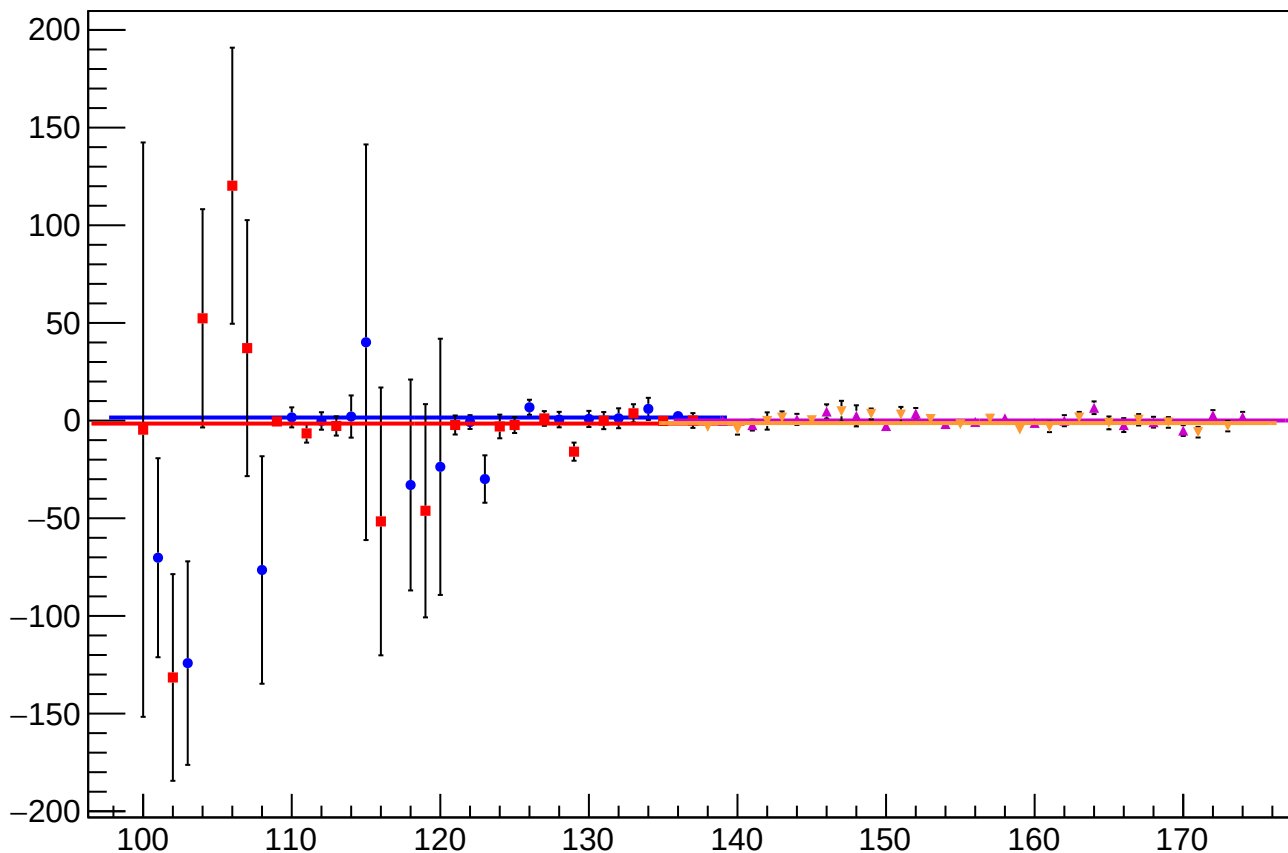
Left In: 1662.449 ± 0.317 $\chi^2/\text{NDF}: 178199.4/17$

+ sign 1758.623 ± 0.294 $\chi^2/\text{NDF}: 5926595.0/35$

All: 1765.988 ± 0.209 $\chi^2/\text{NDF}: 12041872.4/71$

- sign 1773.531 ± 0.298 $\chi^2/\text{NDF}: 6114011.2/36$

diff_bpm1p03aY_mean vs Slug



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

Left Out: -1.259 ± 0.610 χ^2/NDF : 18.3/18

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

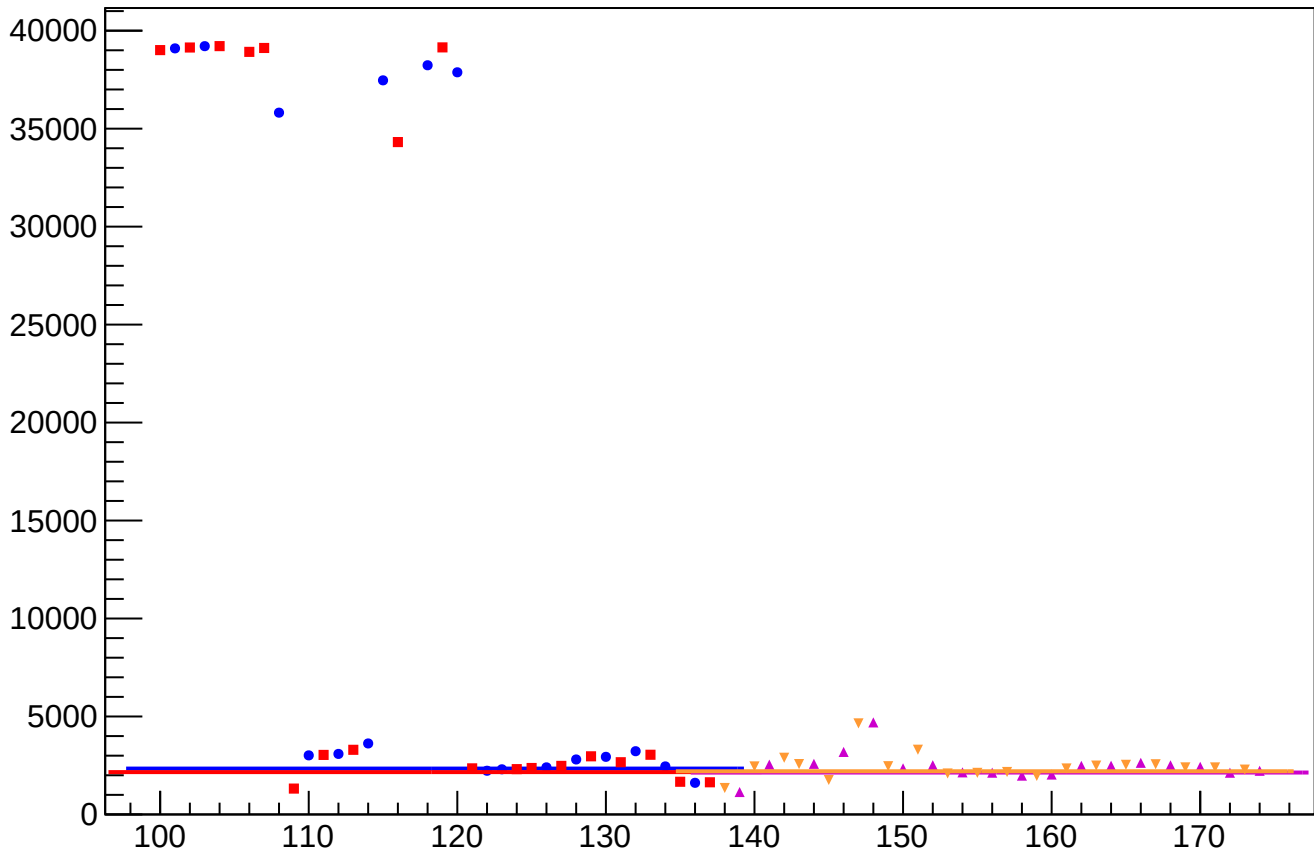
Left In: 0.057 ± 0.601 χ^2/NDF : 16.2/17

+ sign -0.631 ± 0.538 χ^2/NDF : 43.5/35

All: -0.475 ± 0.375 χ^2/NDF : 86.6/72

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

diff_bpm1p03aY_rms vs Slug



Right In: 2341.130 $\pm$ 0.808 χ^2 /NDF: 5006864.7/16

Left Out: 2204.166 $\pm$ 0.431 χ^2 /NDF:1404598.8/18

Right Out: 2161.162 $\pm$ 0.751 χ^2 /NDF: 5299050.1/18

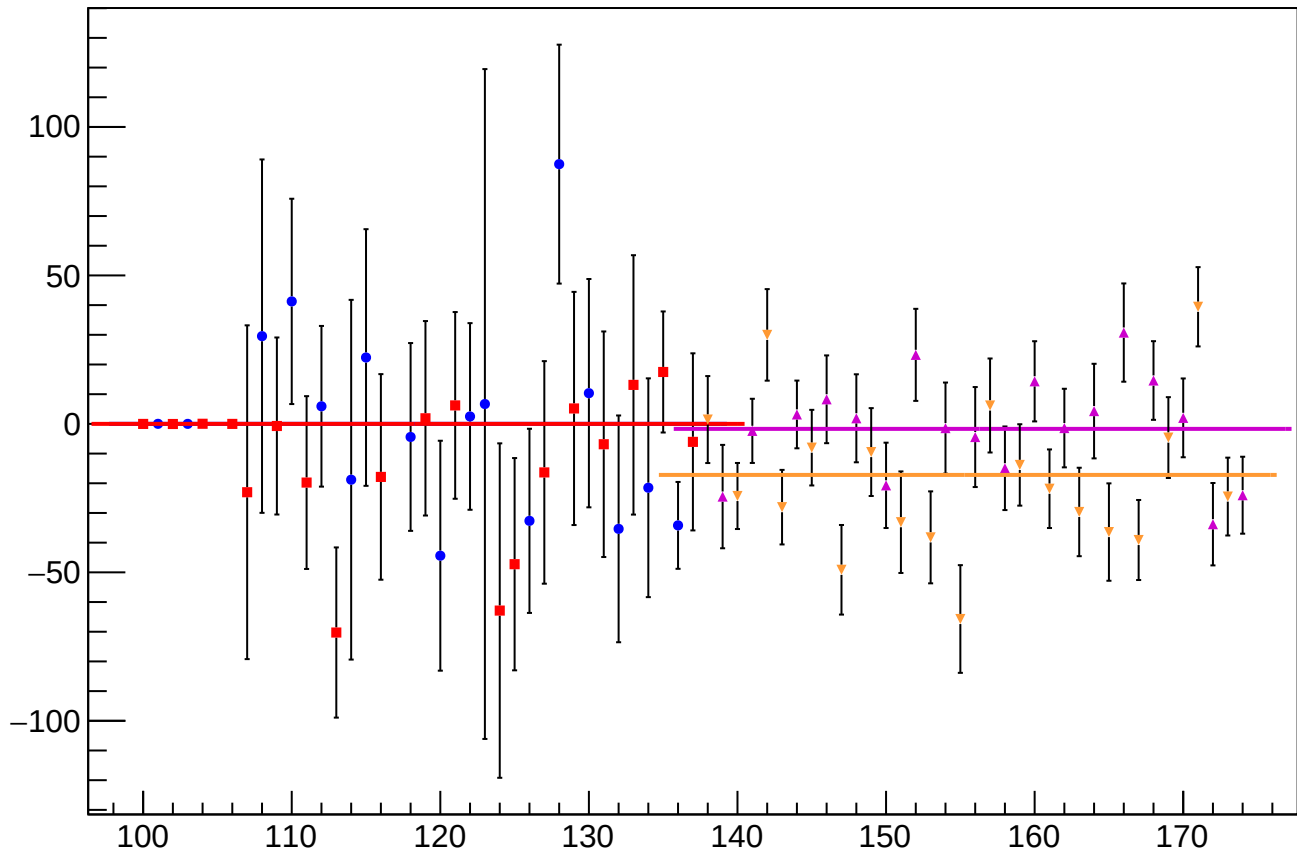
Left In: 2139.251 $\pm$ 0.425 χ^2 /NDF:1946227.5/17

+ sign 2234.500 $\pm$ 0.380 χ^2 /NDF: 6433822.6/35

All: 2188.273 $\pm$ 0.265 χ^2 /NDF: 13708484.5/7

- sign 2144.564 $\pm$ 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: -17.186 ± 3.251 χ^2/NDF : 53.5/18

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

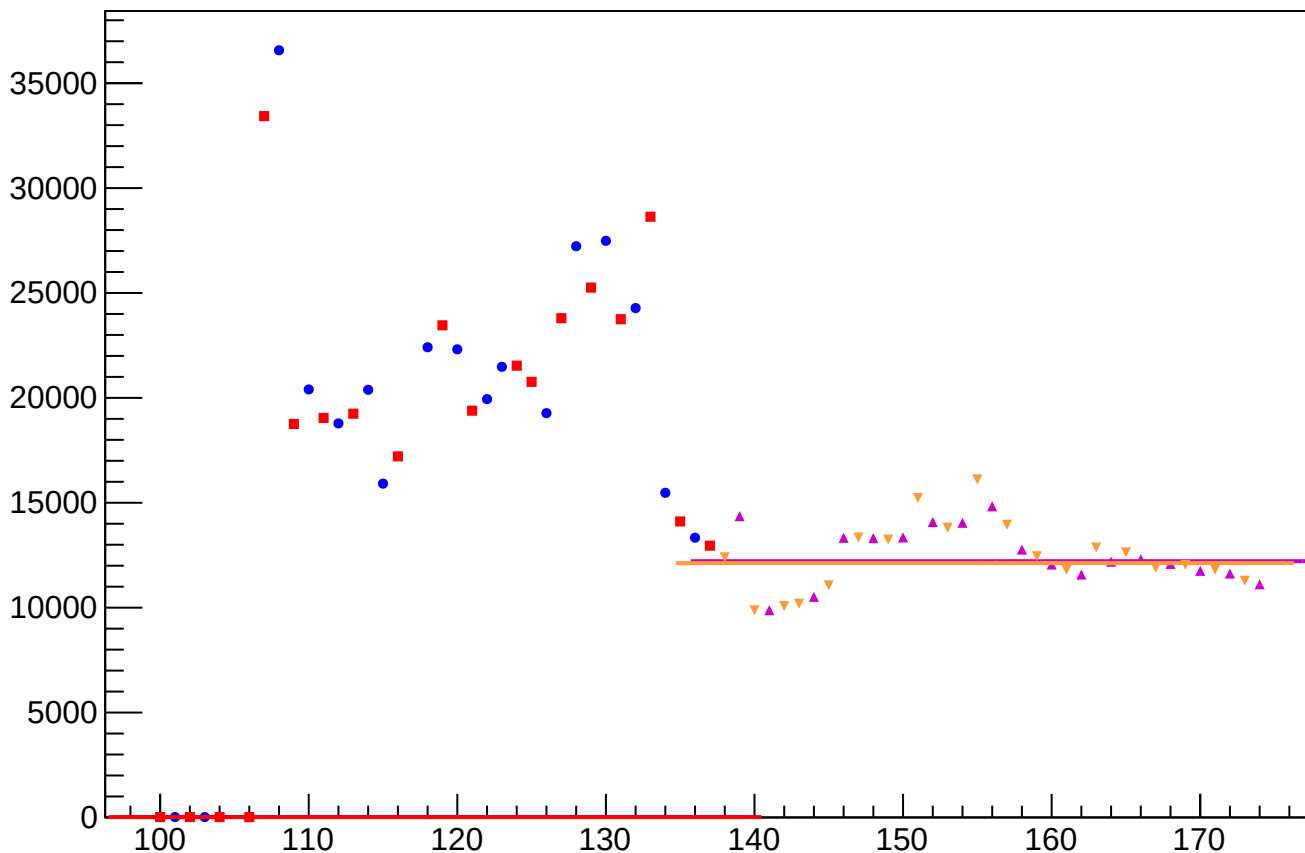
Left In: -1.681 ± 3.300 χ^2/NDF : 23.0/17

+ sign 0.013 ± 0.017 χ^2/NDF : 97.7/35

All: 0.008 ± 0.012 χ^2/NDF : 136.9/72

- 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: 12123.337 $\pm$ 2.299 χ^2 /NDF: 435941.9/18

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

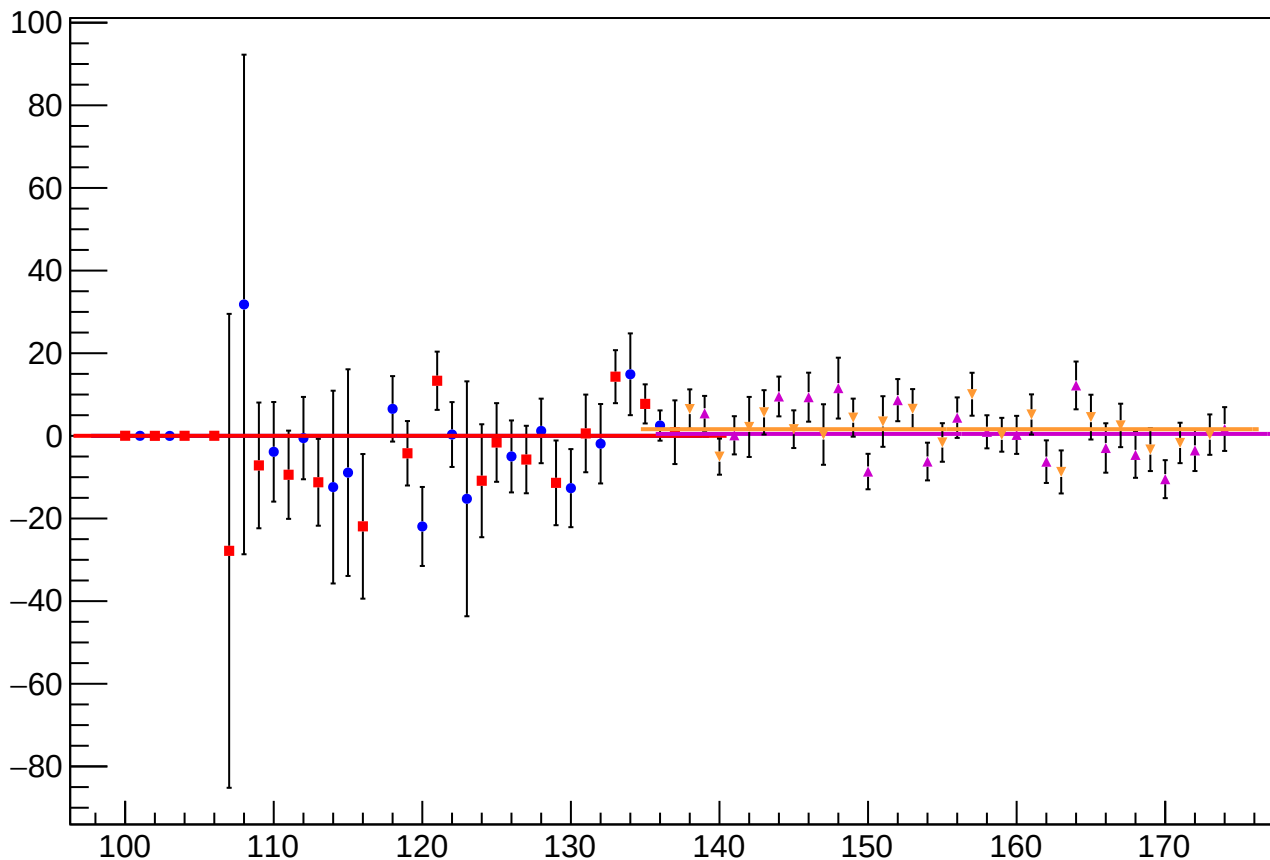
Left In: 12215.309 $\pm$ 2.334 χ^2 /NDF: 337811.5/17

+ sign 18.986 $\pm$ 0.012 χ^2 /NDF: 39148815.9/35

All: 18.779 $\pm$ 0.008 χ^2 /NDF: 77914484.1/72

- 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: 1.616 $\pm$ 1.157 χ^2 /NDF:14.9/18

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

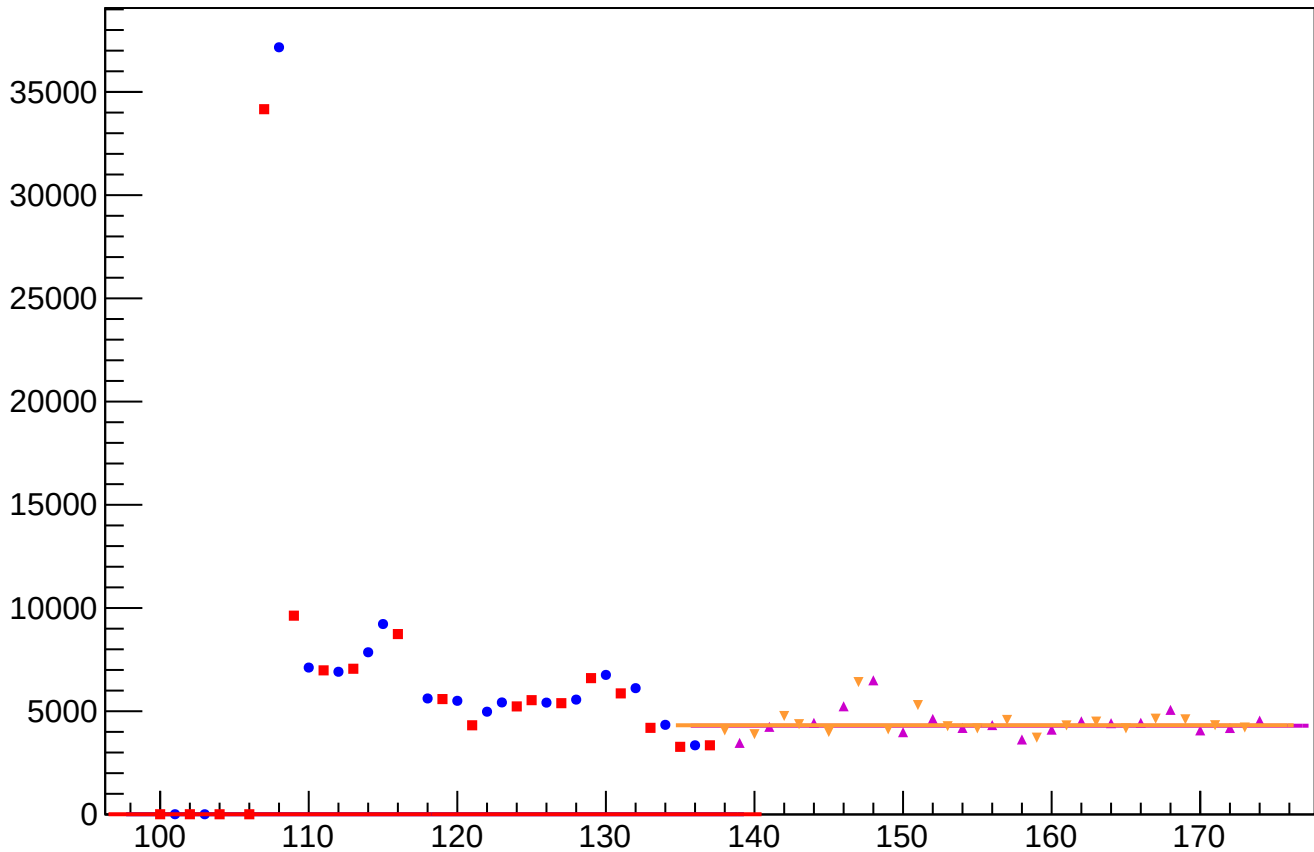
Left In: 0.471 $\pm$ 1.166 χ^2 /NDF:32.7/17

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 29.9/35

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 82.5/72

- 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: 4320.377+/-0.818 χ^2/NDF :329453.0/18

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

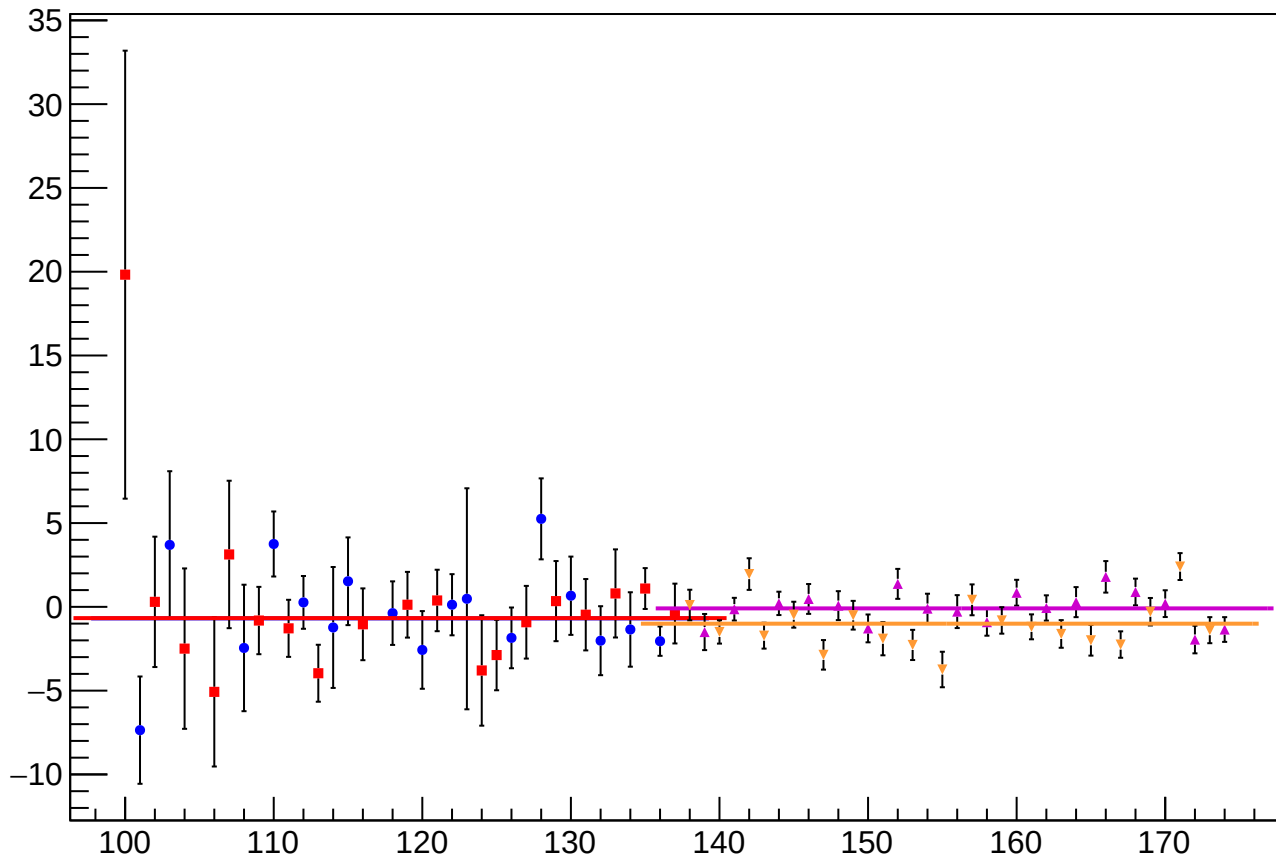
Left In: 4298.674+/-0.824 χ^2/NDF :441350.5/17

+ sign 10.211+/-0.007 χ^2/NDF : 39181627.3/35

All: 10.147+/-0.004 χ^2/NDF : 77854996.6/72

- 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: -1.004 ± 0.192 χ^2/NDF : 53.2/18

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

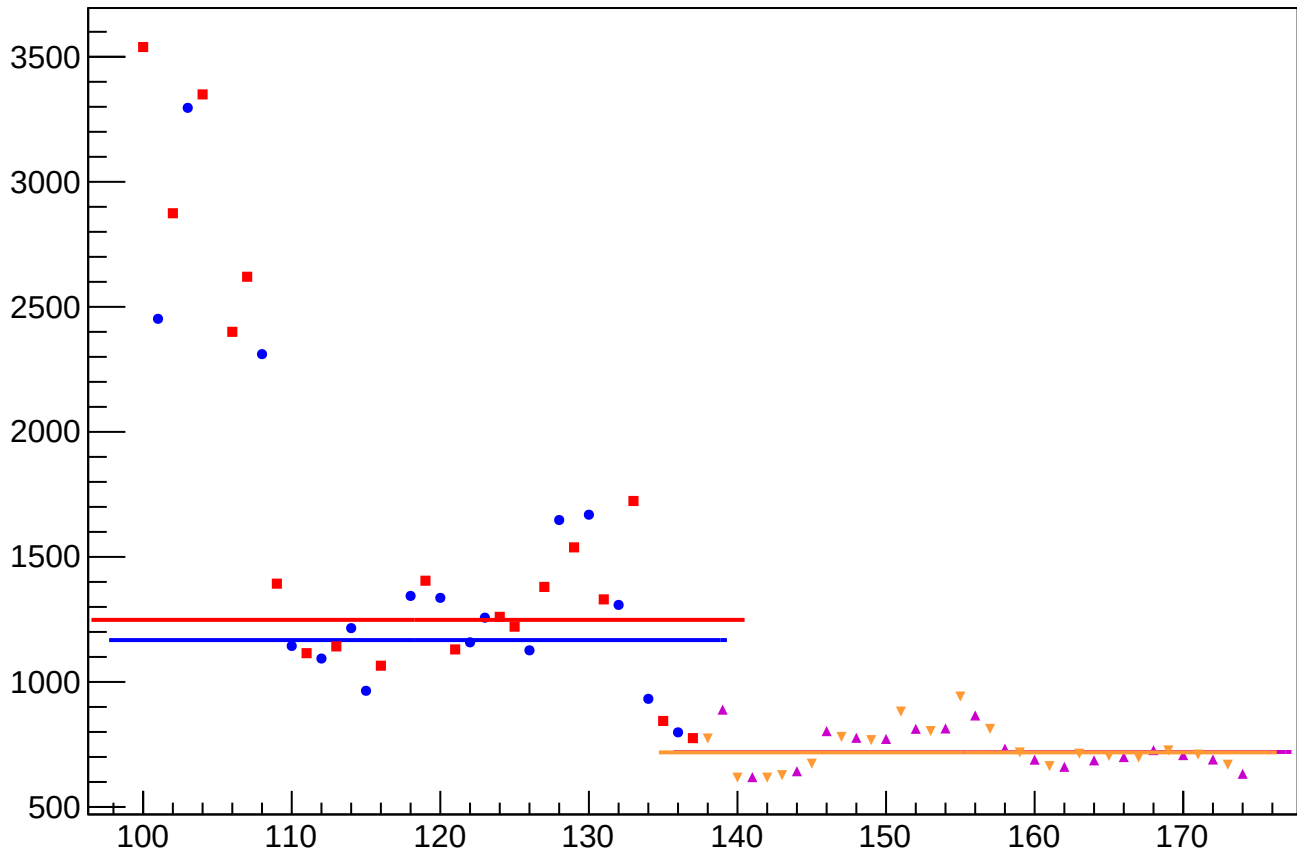
Left In: -0.092 ± 0.194 χ^2/NDF : 23.4/17

+ sign -0.961 ± 0.179 χ^2/NDF : 76.1/35

All: -0.570 ± 0.127 χ^2/NDF : 123.8/72

- 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: 718.303 $\pm$ 0.136 χ^2 /NDF: 326733.7/18

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

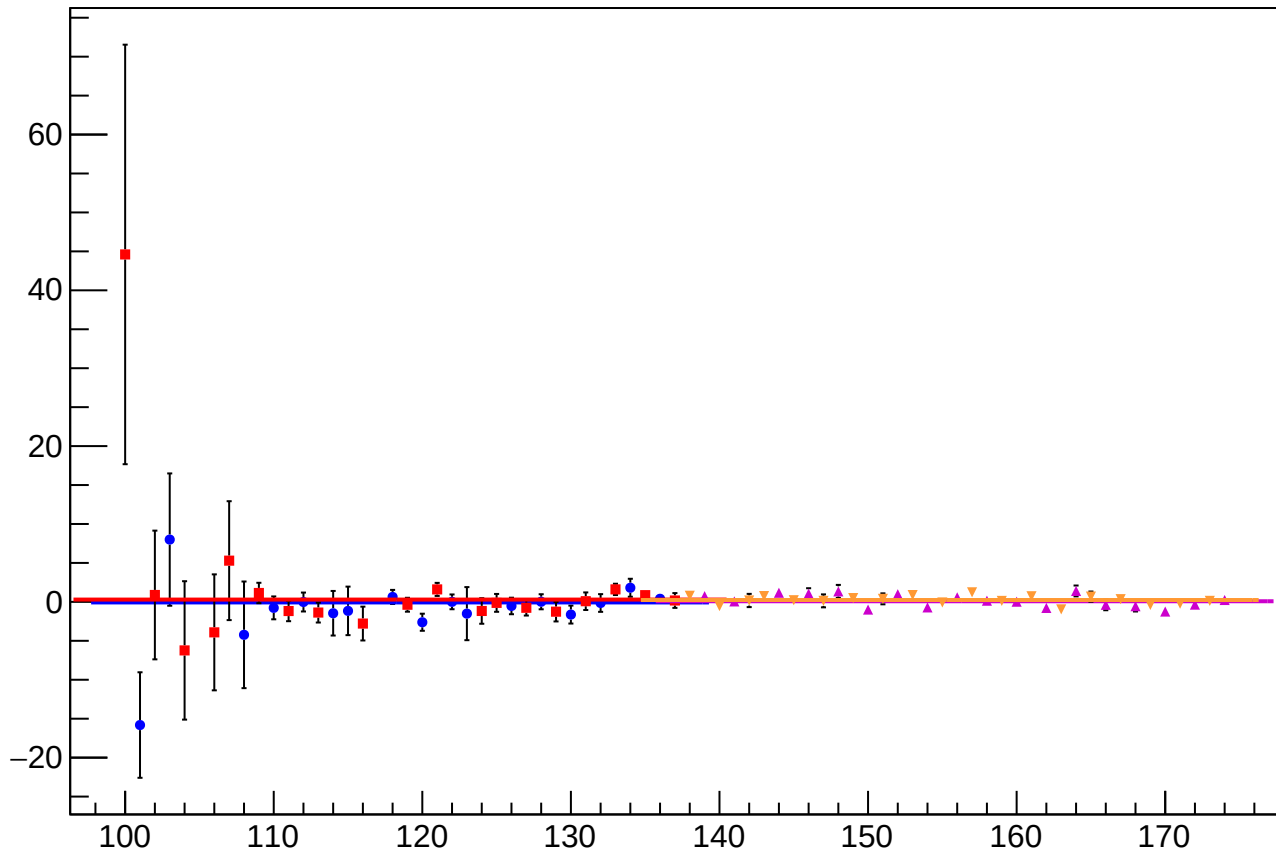
Left In: 719.905 $\pm$ 0.137 χ^2 /NDF: 290913.9/17

+ sign 779.835 $\pm$ 0.126 χ^2 /NDF: 3401720.9/35

All: 784.375 $\pm$ 0.090 χ^2 /NDF: 7284900.0/72

- 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: 0.237 ± 0.139 χ^2/NDF : 14.6/18

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

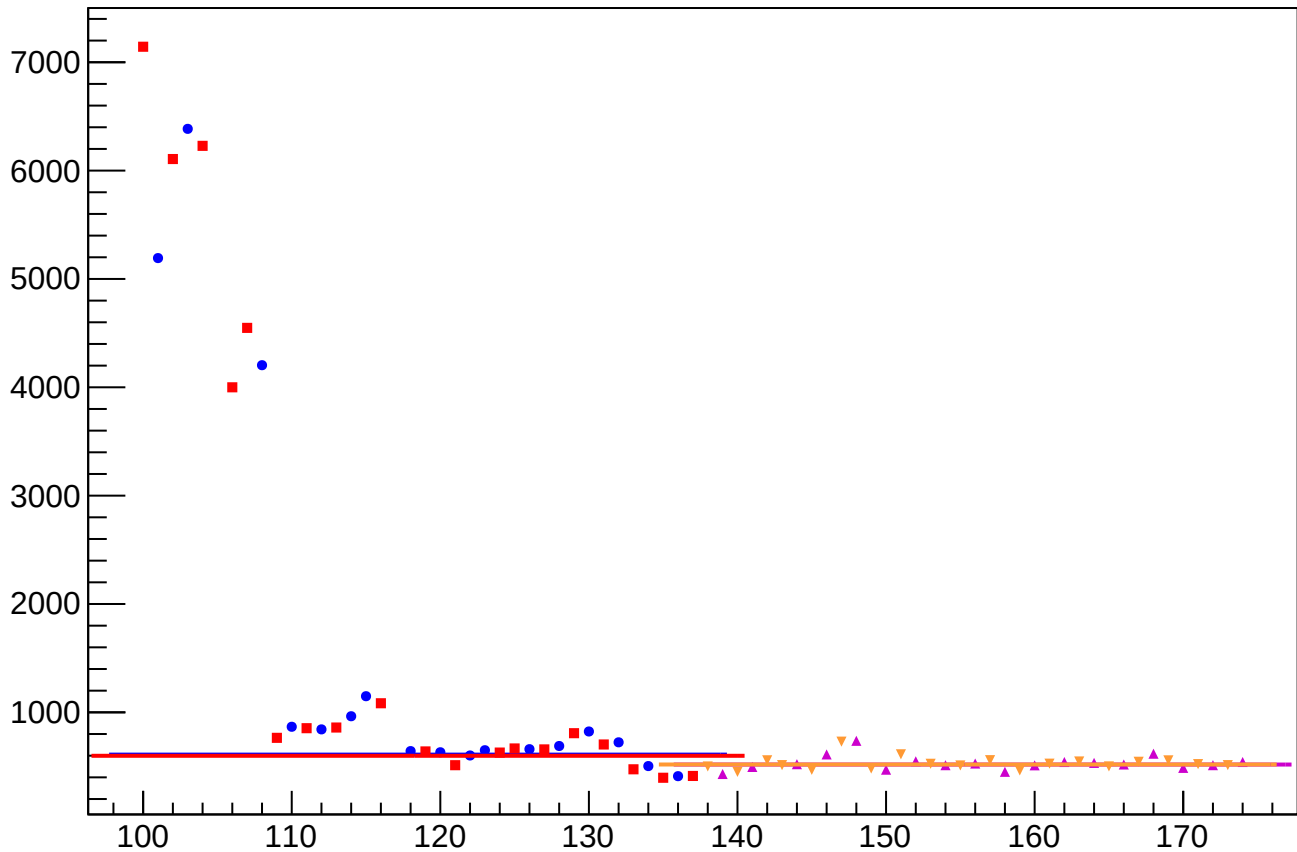
Left In: 0.079 ± 0.140 χ^2/NDF : 32.2/17

+ sign 0.172 ± 0.123 χ^2/NDF : 34.8/35

All: 0.149 ± 0.087 χ^2/NDF : 87.9/72

- 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: 518.666 $\pm$ 0.098 χ^2 /NDF: 281050.6/18

+ sign 537.865 $\pm$ 0.087 χ^2 /NDF: 3598699.3/35

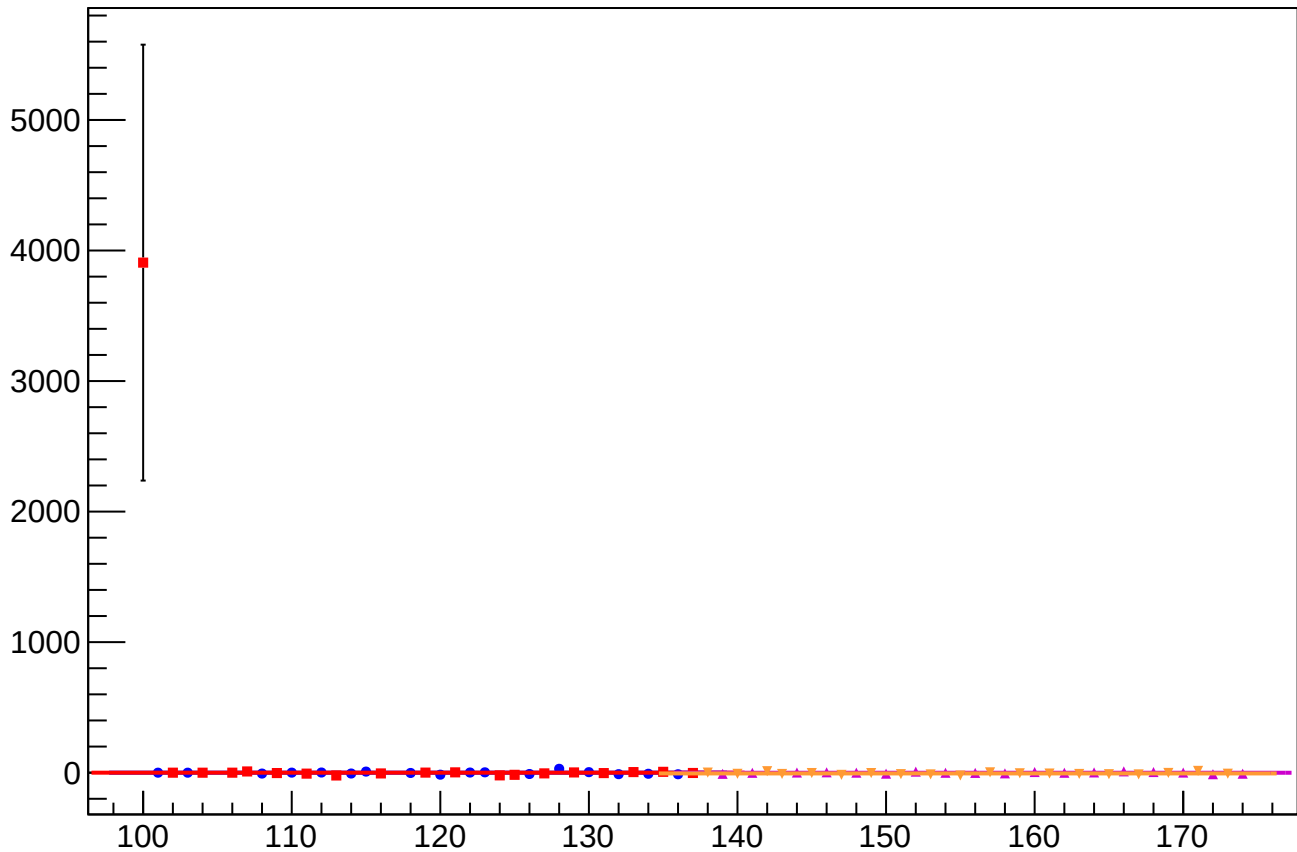
Right Out: 599.018 $\pm$ 0.187 χ^2 /NDF: 3552387.3/18

All: 536.912 $\pm$ 0.062 χ^2 /NDF: 7647593.7/72

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

- 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: -5.798 ± 1.118 χ^2/NDF : 53.0/18

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

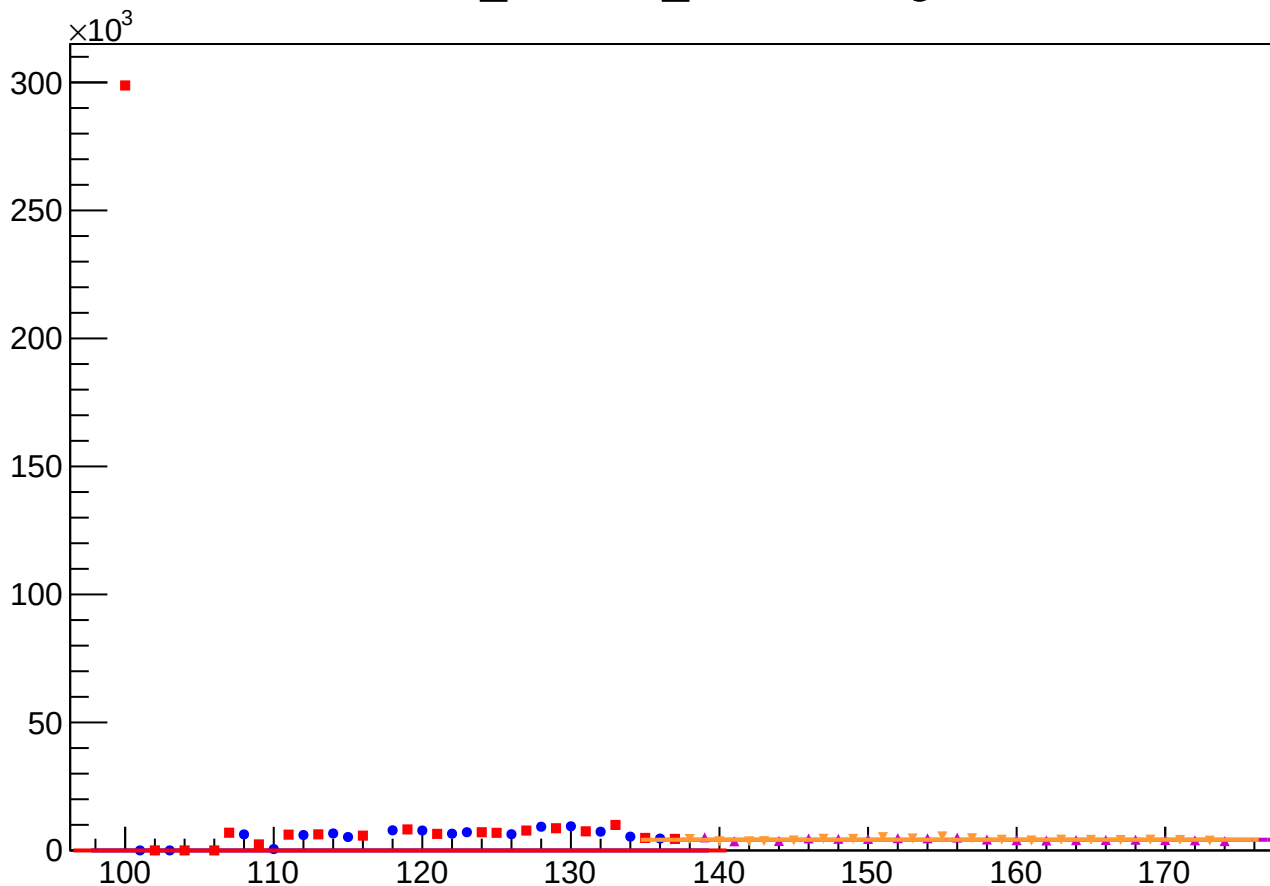
Left In: -0.578 ± 1.131 χ^2/NDF : 23.5/17

+ sign -0.024 ± 0.021 χ^2/NDF : 95.4/35

All: -0.025 ± 0.014 χ^2/NDF : 137.0/72

- 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: 4175.694 ± 0.790 χ^2/NDF : 349971.2/18

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

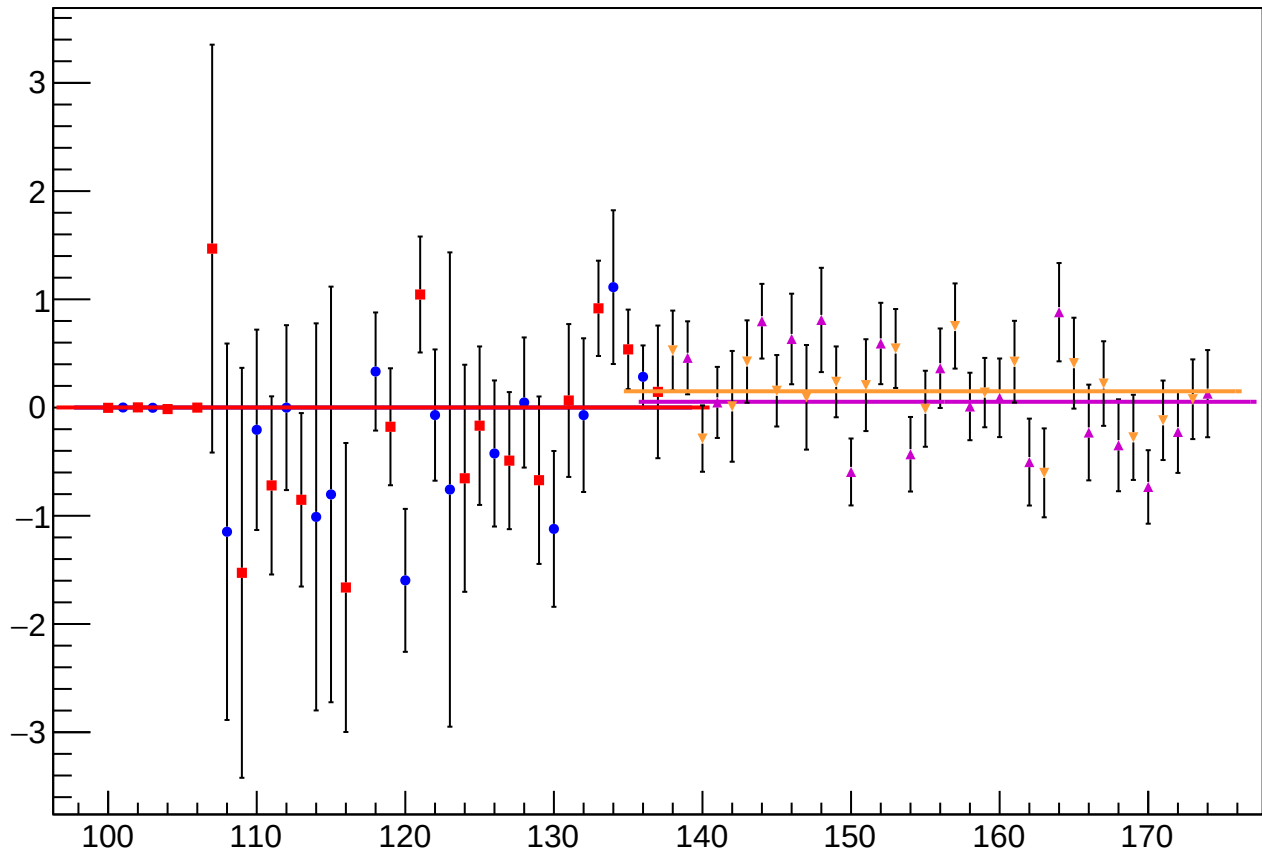
Left In: 4190.827 ± 0.800 χ^2/NDF : 303100.1/17

+ sign 18.780 ± 0.015 χ^2/NDF : 38529272.6/35

All: 18.656 ± 0.010 χ^2/NDF : 76866933.2/72

- 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: 0.150 ± 0.086 χ^2/NDF : 13.6/18

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

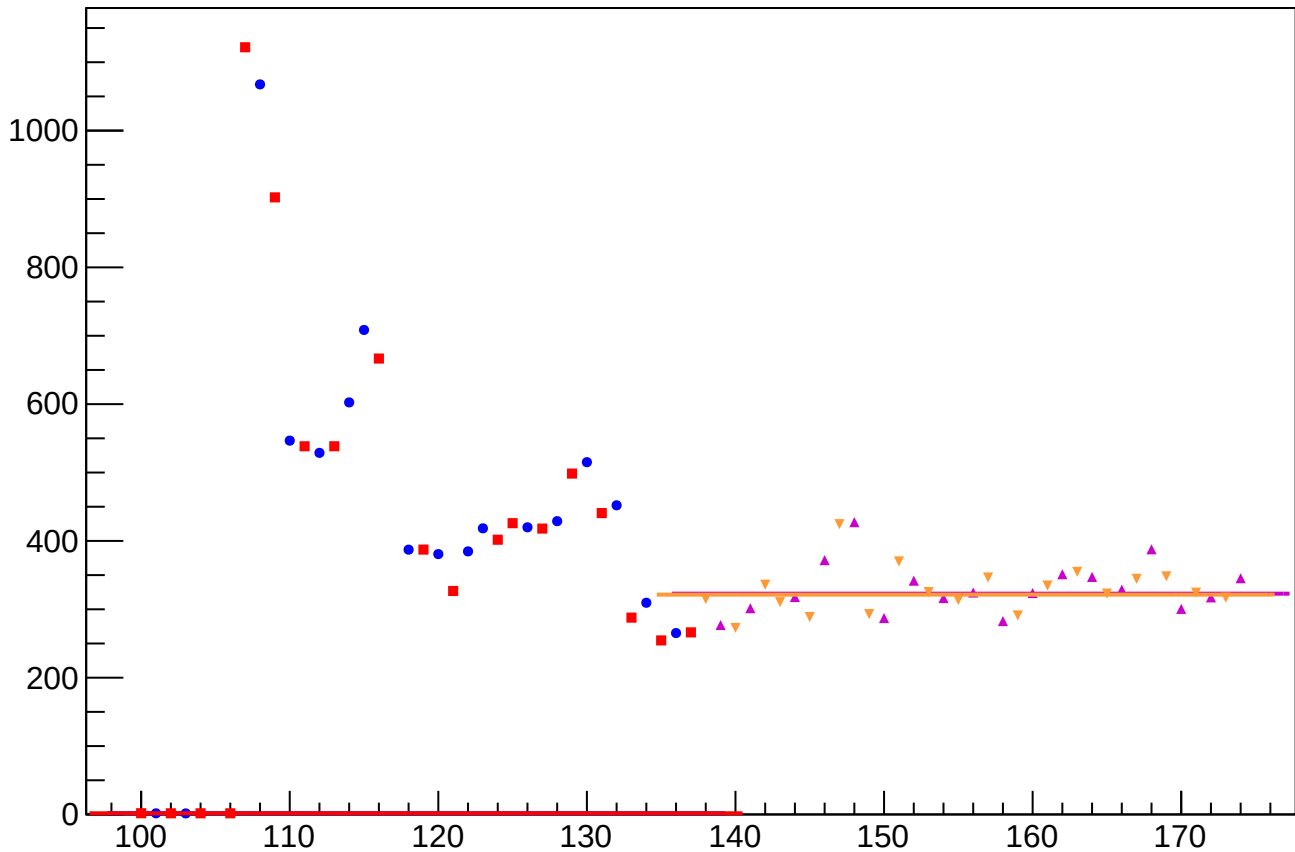
Left In: 0.053 ± 0.087 χ^2/NDF : 32.2/17

+ sign 0.000 ± 0.002 χ^2/NDF : 30.4/35

All: 0.001 ± 0.001 χ^2/NDF : 80.9/72

- 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: 321.429 $\pm$ 0.061 χ^2 /NDF: 265708.8/18

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

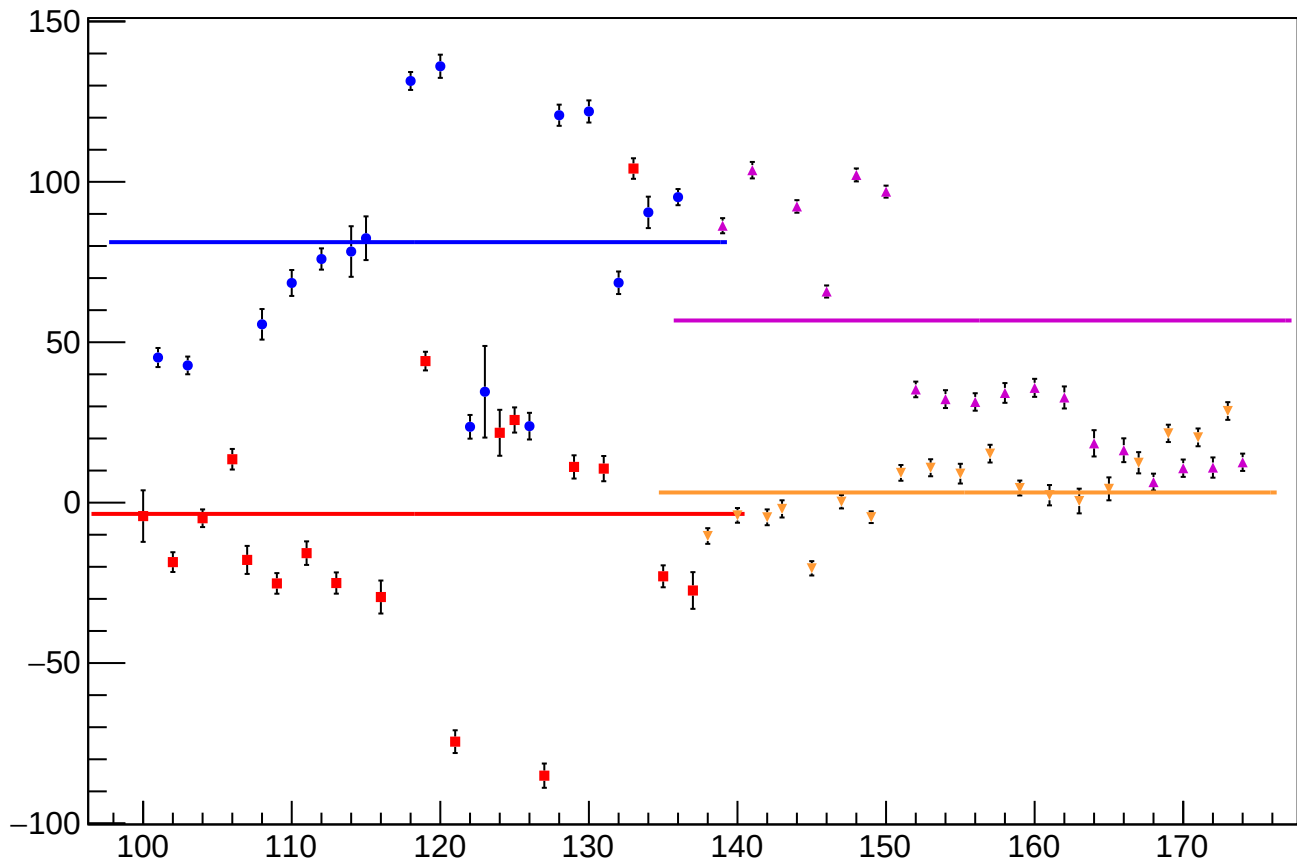
Left In: 322.848 $\pm$ 0.062 χ^2 /NDF: 310985.1/17

+ sign 1.877 $\pm$ 0.001 χ^2 /NDF: 38965711.2/35

All: 1.882 $\pm$ 0.001 χ^2 /NDF: 77075217.9/72

- 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: 3.171 $\pm$ 0.592 χ^2 /NDF: 401.8/18

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

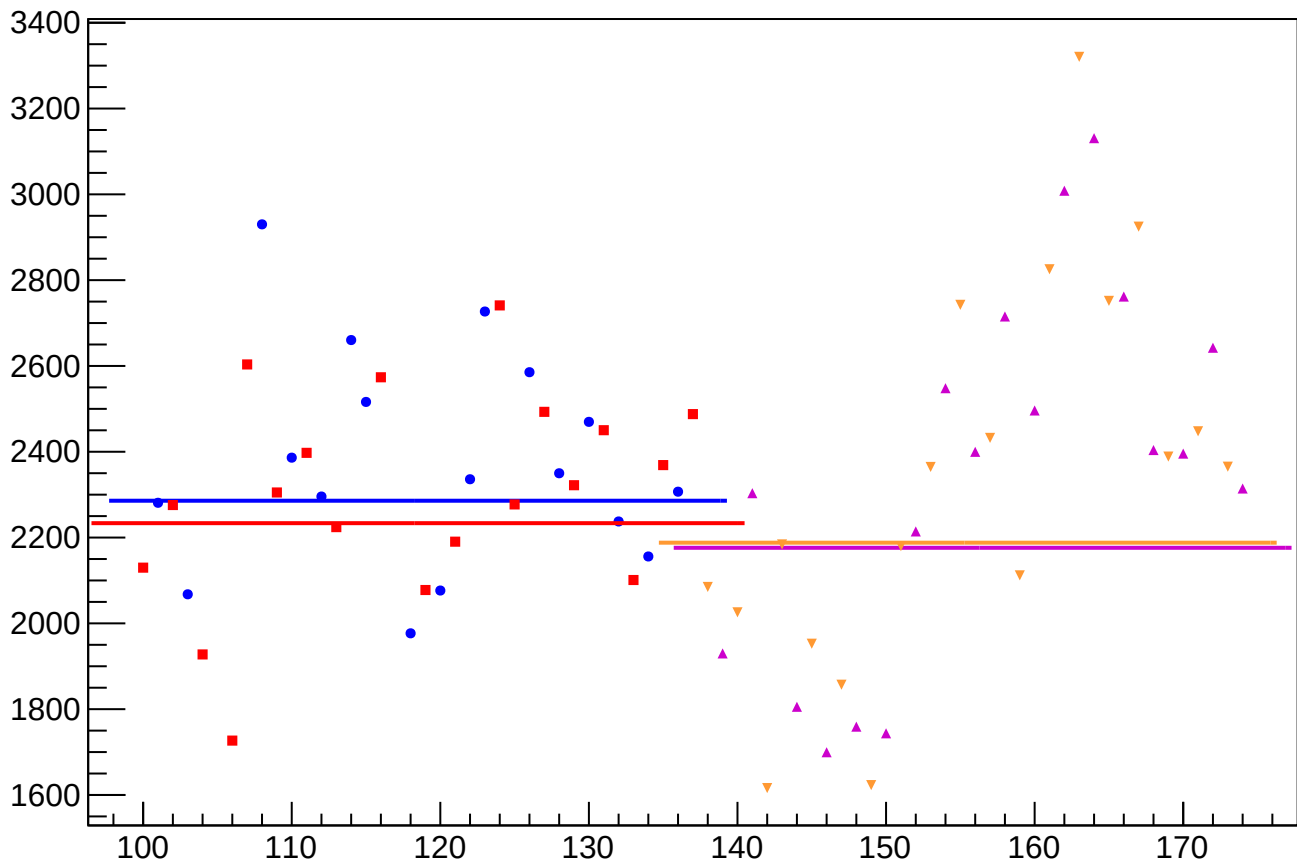
Left In: 56.782 $\pm$ 0.597 χ^2 /NDF: 3545.0/17

+ sign 27.251 $\pm$ 0.492 χ^2 /NDF: 7478.1/35

All: 31.974 $\pm$ 0.346 χ^2 /NDF: 17211.8/72

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

diff_bpm0i01X_rms vs Slug



Right In: 2285.855 $\pm$ 0.626 χ^2 /NDF: 109336.5/16

Left Out: 2188.071 $\pm$ 0.418 χ^2 /NDF: 917130.7/18

Right Out: 2233.547 $\pm$ 0.596 χ^2 /NDF: 146848.5/18

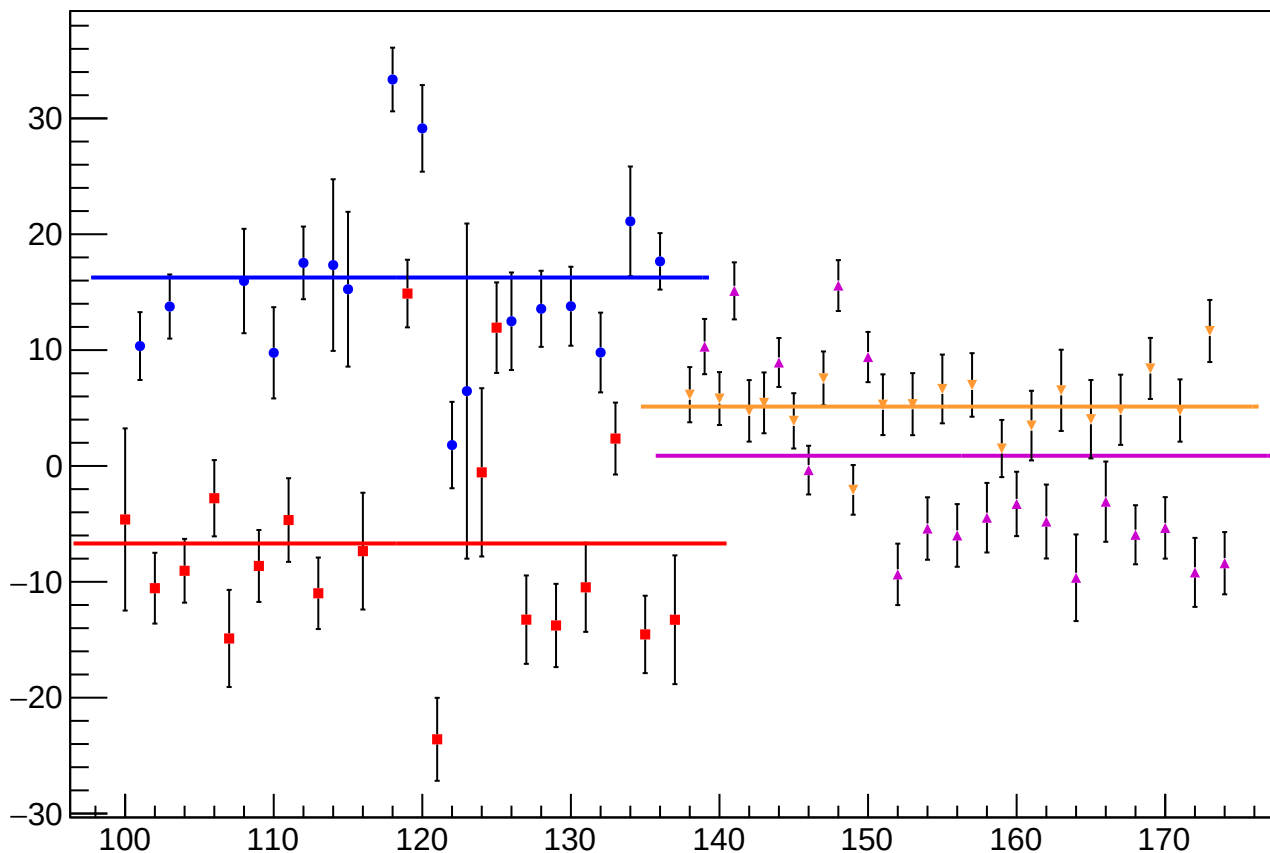
Left In: 2176.161 $\pm$ 0.422 χ^2 /NDF: 906794.2/17

+ sign 2218.248 $\pm$ 0.348 χ^2 /NDF: 1043322.1/35

All: 2206.697 $\pm$ 0.245 χ^2 /NDF: 2105322.6/72

- sign 2195.364 $\pm$ 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: 5.124 ± 0.604 χ^2/NDF : 23.9/18

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

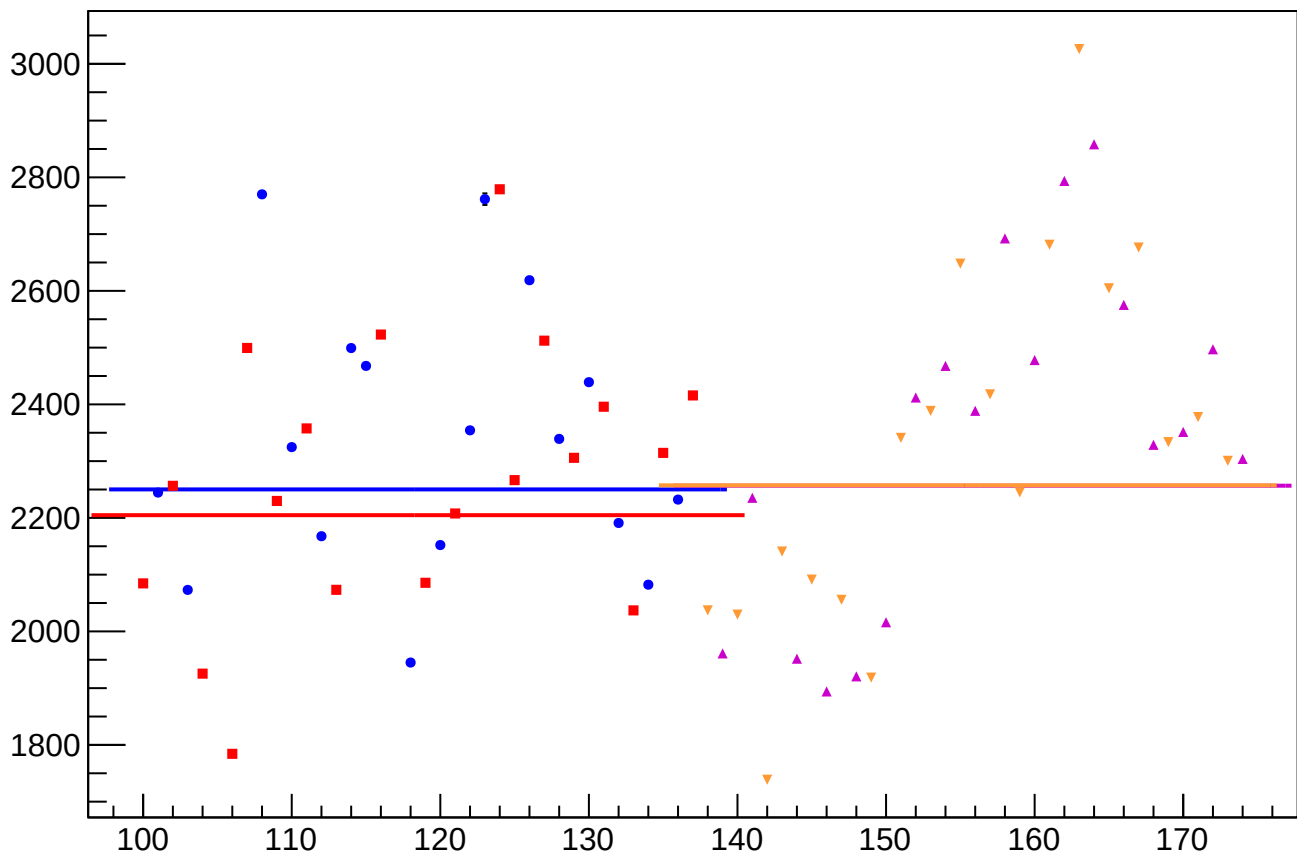
Left In: 0.881 ± 0.612 χ^2/NDF : 204.7/17

+ sign 8.742 ± 0.497 χ^2/NDF : 215.0/35

All: 3.439 ± 0.350 χ^2/NDF : 833.8/72

- 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: 2257.358+/-0.427 χ^2/NDF : 441754.9/18

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

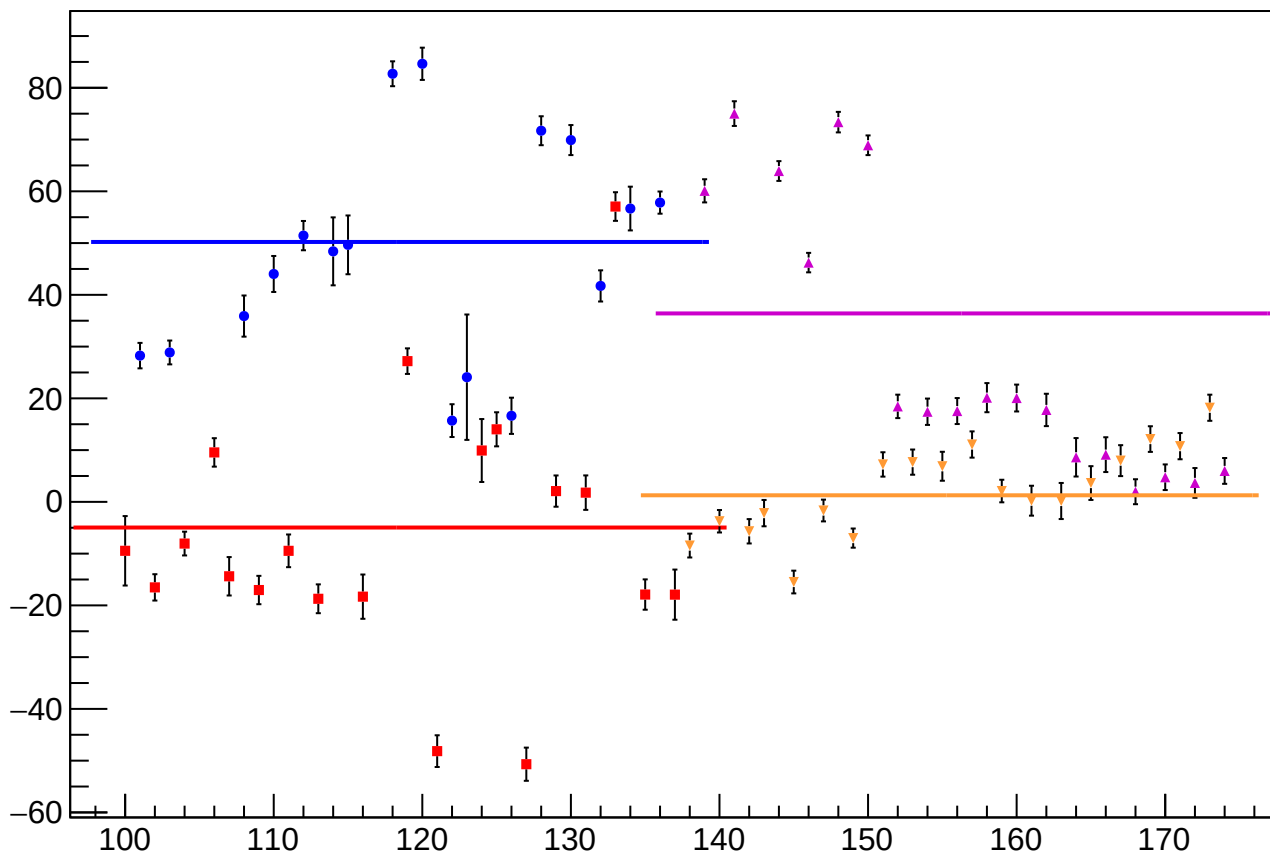
Left In: 2256.709+/-0.433 χ^2/NDF : 425279.4/17

+ sign 2255.026+/-0.351 χ^2/NDF : 539424.7/35

All: 2246.669+/-0.247 χ^2/NDF : 1097118.8/72

- 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: 1.270 $\pm$ 0.560 χ^2 /NDF:230.2/18

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

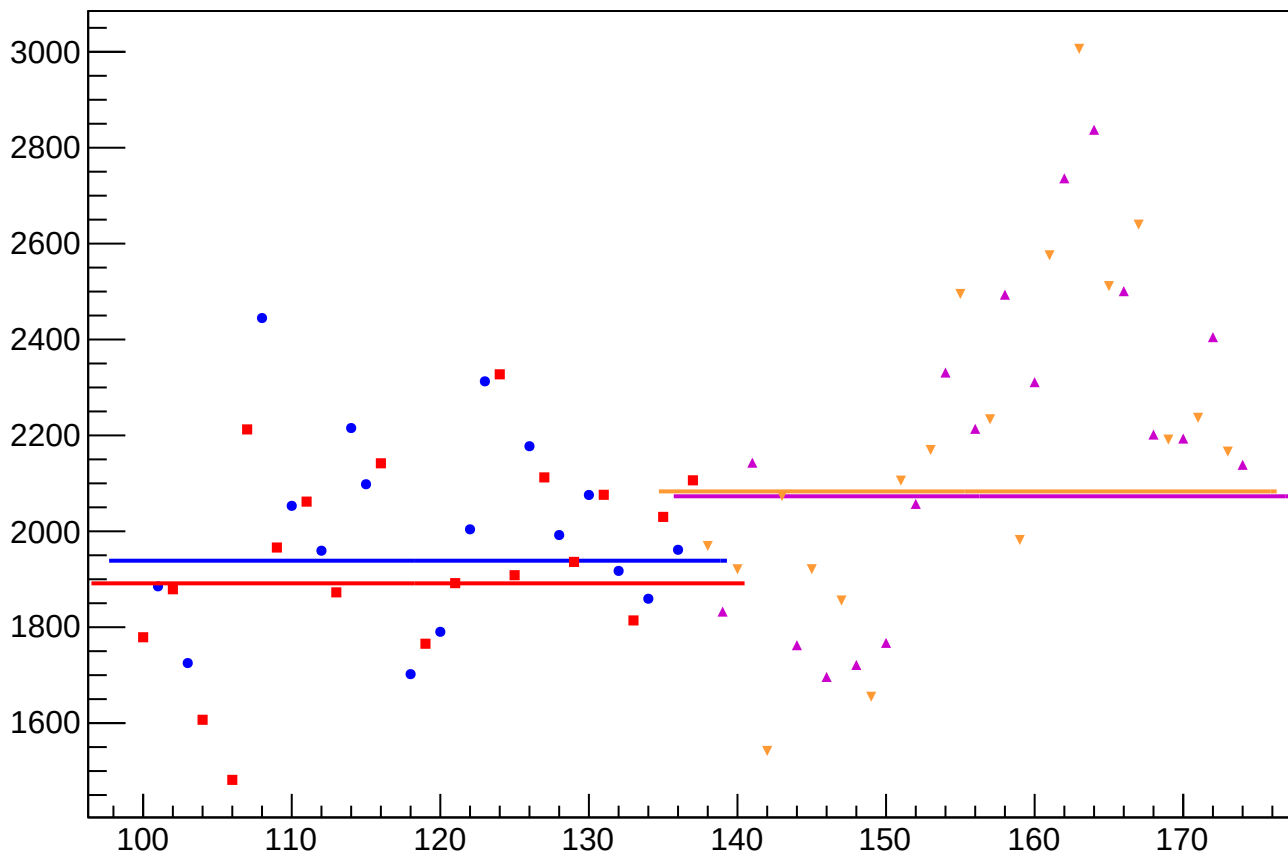
Left In: 36.407 $\pm$ 0.566 χ^2 /NDF:2299.0/17

+ sign 18.770 $\pm$ 0.449 χ^2 /NDF: 3790.9/35

All: 19.615 $\pm$ 0.315 χ^2 /NDF: 9423.7/72

- 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: 2083.262+/-0.396 χ^2/NDF : 635919.3/18

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

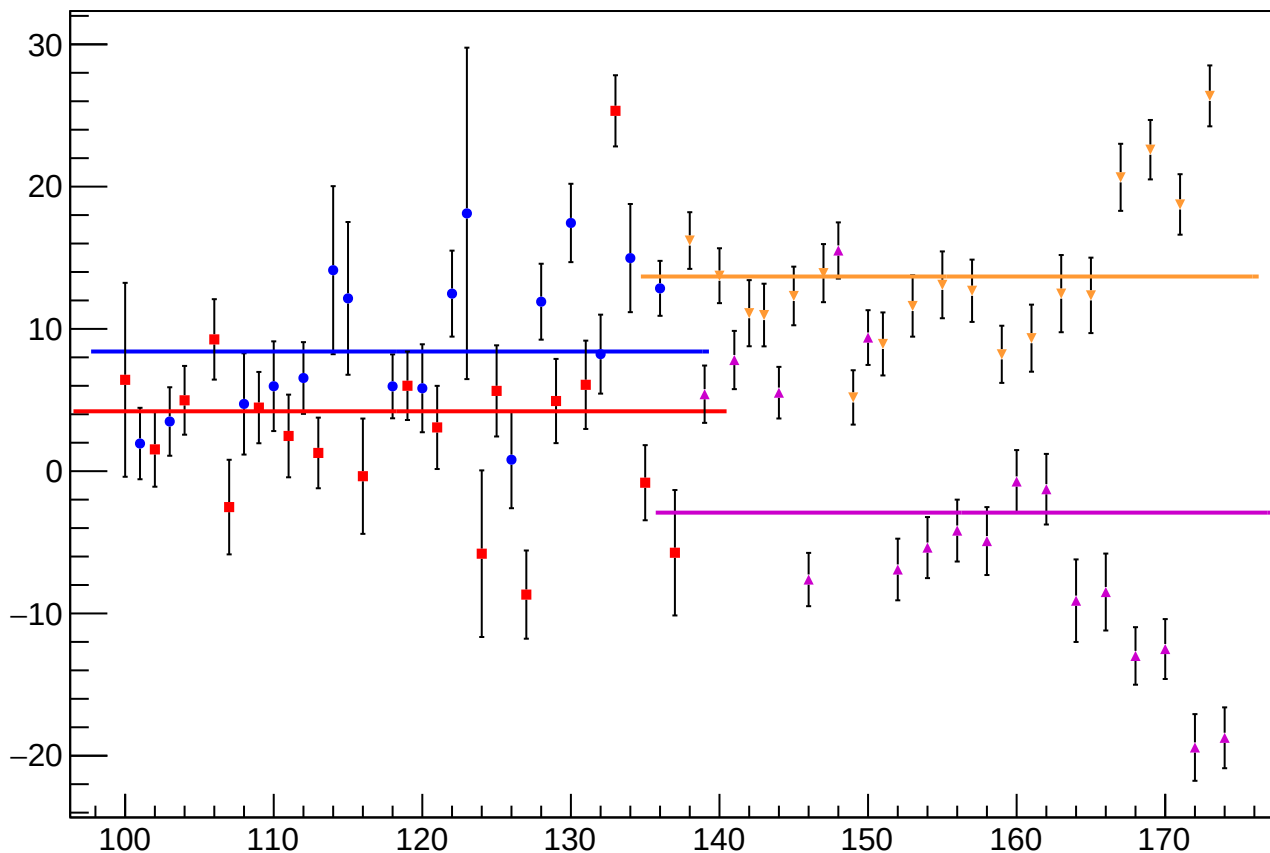
Left In: 2073.036+/-0.400 χ^2/NDF : 606350.4/17

+ sign 2031.570+/-0.317 χ^2/NDF : 783707.7/35

All: 2017.075+/-0.223 χ^2/NDF : 1620339.3/72

- 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: 13.682 ± 0.498 χ^2/NDF : 109.4/18

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

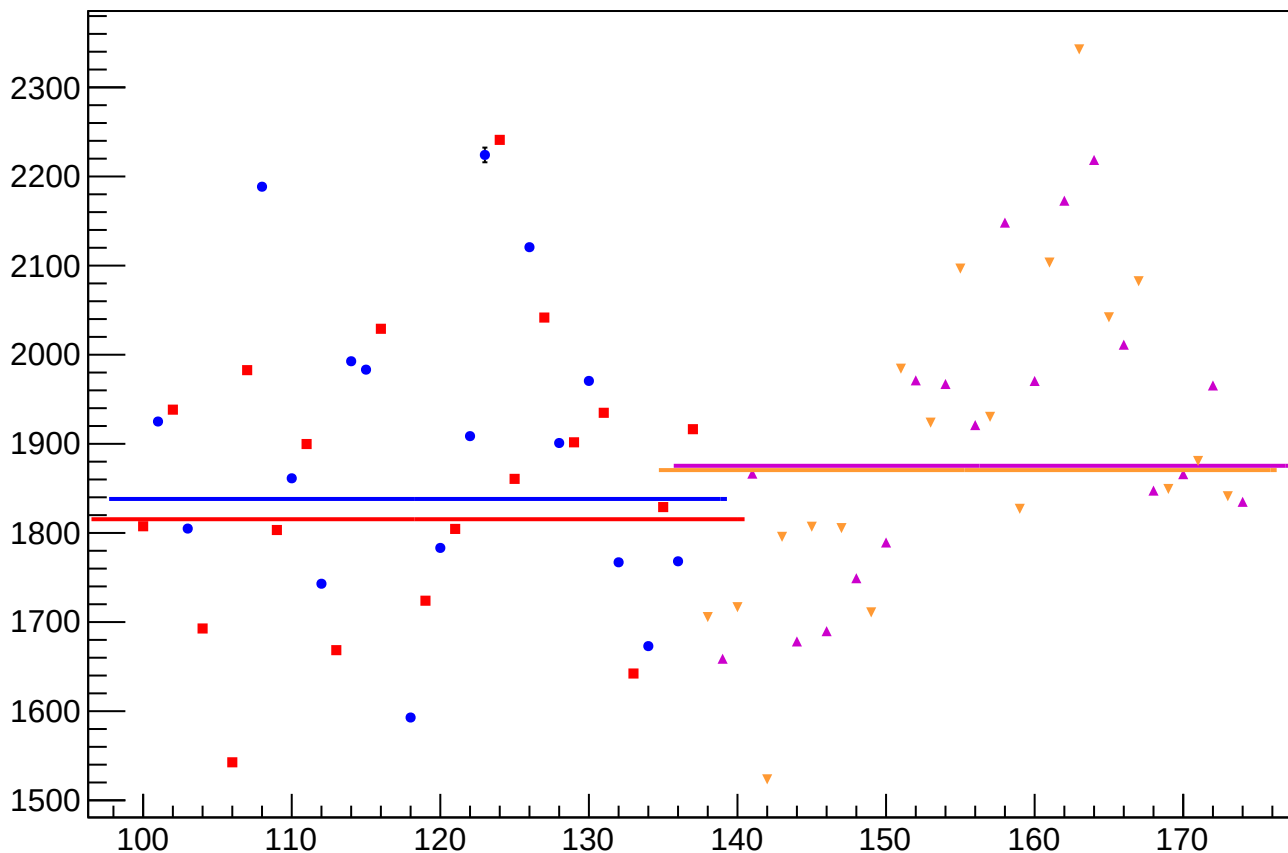
Left In: -2.914 ± 0.506 χ^2/NDF : 366.2/17

+ sign 11.946 ± 0.408 χ^2/NDF : 190.8/35

All: 5.749 ± 0.288 χ^2/NDF : 1199.2/72

- 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: 1870.527 $\pm$ 0.352 χ^2 /NDF: 223931.2/18

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

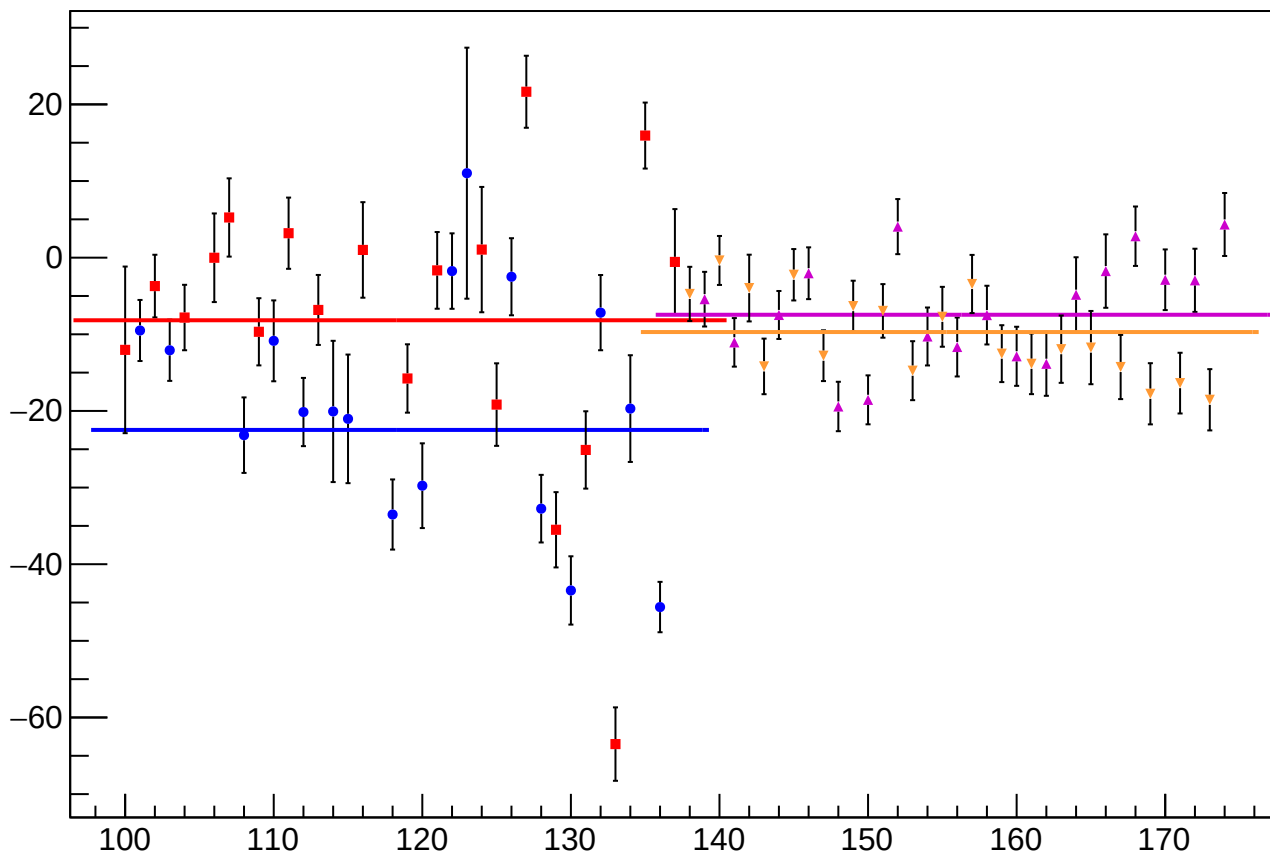
Left In: 1875.367 $\pm$ 0.358 χ^2 /NDF: 182719.3/17

+ sign 1859.861 $\pm$ 0.289 χ^2 /NDF: 309590.6/35

All: 1856.974 $\pm$ 0.204 χ^2 /NDF: 589897.7/72

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

diff_bpm0l01X_mean vs Slug



Right In: -22.477 $\pm$ 1.195 χ^2/NDF : 154.7/16

Left Out: -9.705 $\pm$ 0.864 χ^2/NDF : 41.1/18

Right Out: -8.169 $\pm$ 1.157 χ^2/NDF : 276.9/18

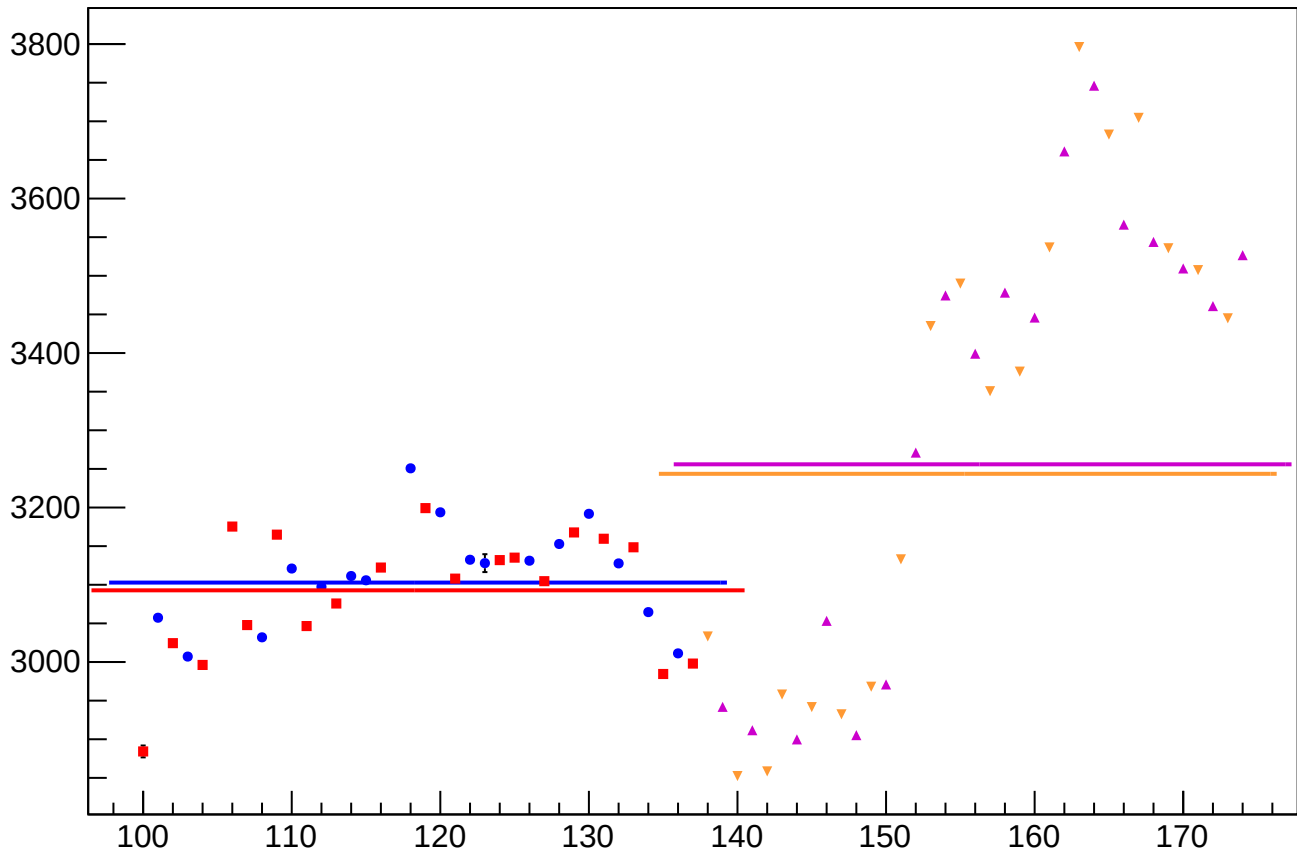
Left In: -7.450 $\pm$ 0.876 χ^2/NDF : 65.8/17

+ sign -14.090 $\pm$ 0.700 χ^2/NDF : 270.9/35

All: -10.893 $\pm$ 0.494 χ^2/NDF : 655.4/72

- sign -7.712 $\pm$ 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: 3243.636 $\pm$ 0.611 χ^2 /NDF:240199.2/18

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

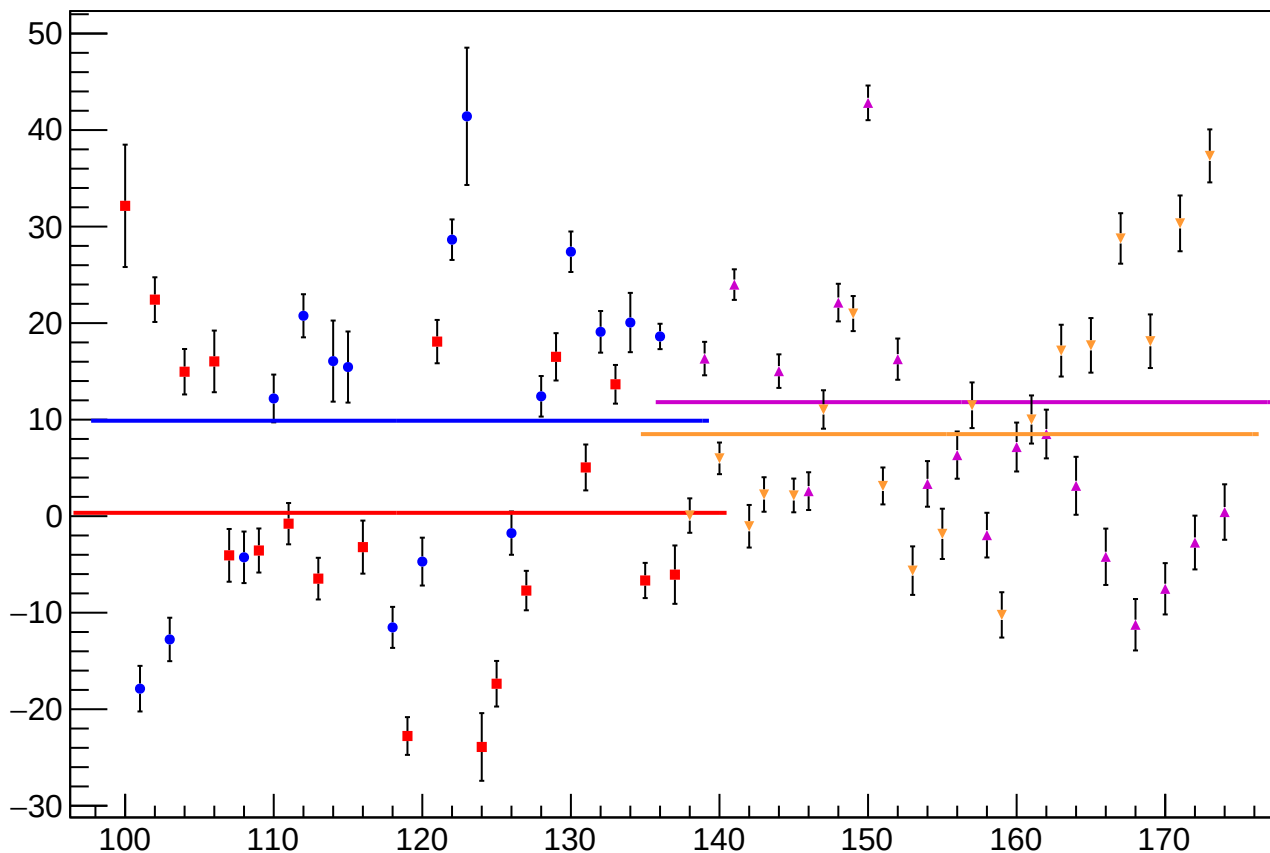
Left In: 3255.943 $\pm$ 0.619 χ^2 /NDF:212971.7/17

+ sign 3195.302 $\pm$ 0.495 χ^2 /NDF: 265783.1/35

All: 3195.889 $\pm$ 0.350 χ^2 /NDF: 511813.7/72

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

diff_bpm0l01Y_mean vs Slug



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

Left Out: 8.500 ± 0.501 χ^2/NDF : 499.1/18

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

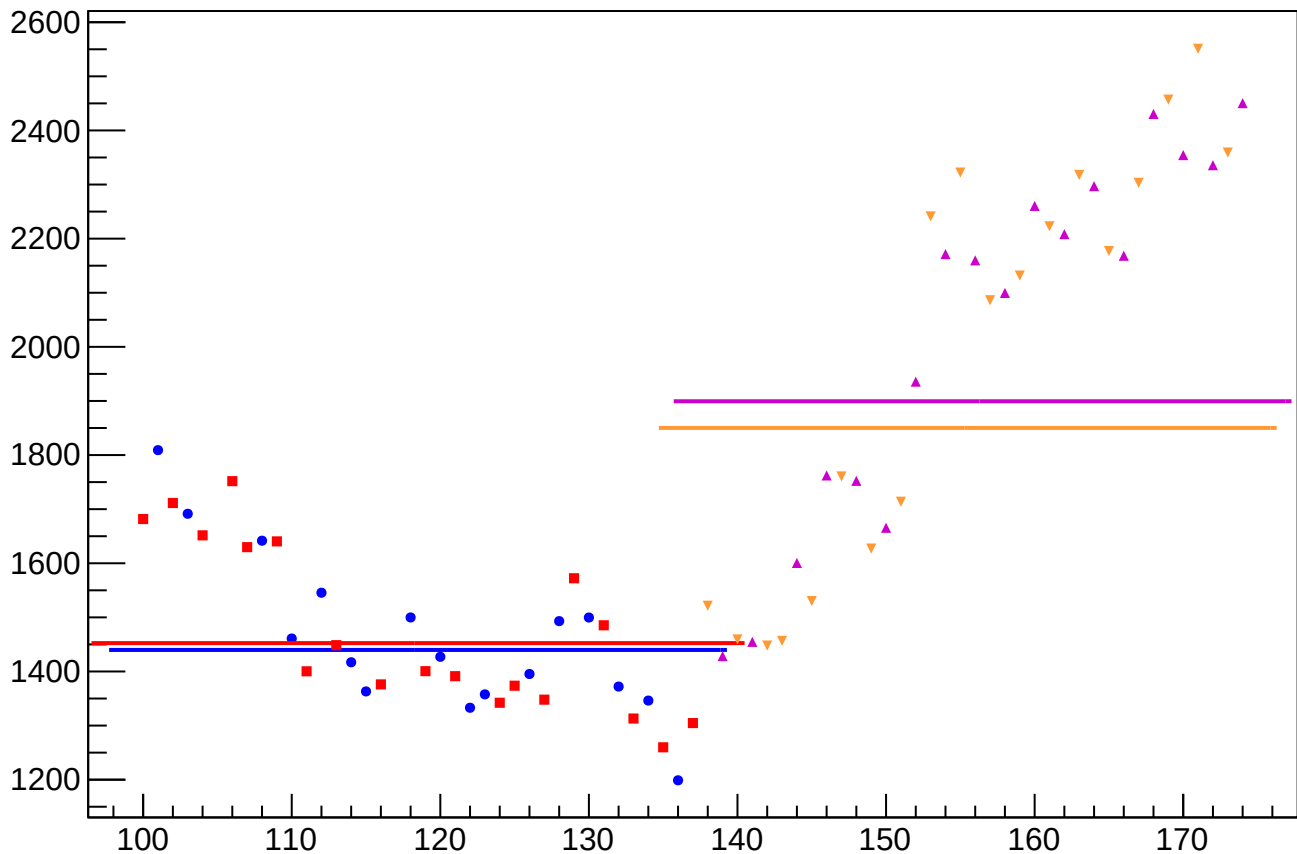
Left In: 11.813 ± 0.518 χ^2/NDF : 689.7/17

+ sign 9.118 ± 0.373 χ^2/NDF : 1206.1/35

All: 7.763 ± 0.265 χ^2/NDF : 2782.8/72

- sign 6.387 ± 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: 1850.150 $\pm$ 0.354 χ^2 /NDF: 1093513.4/18

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

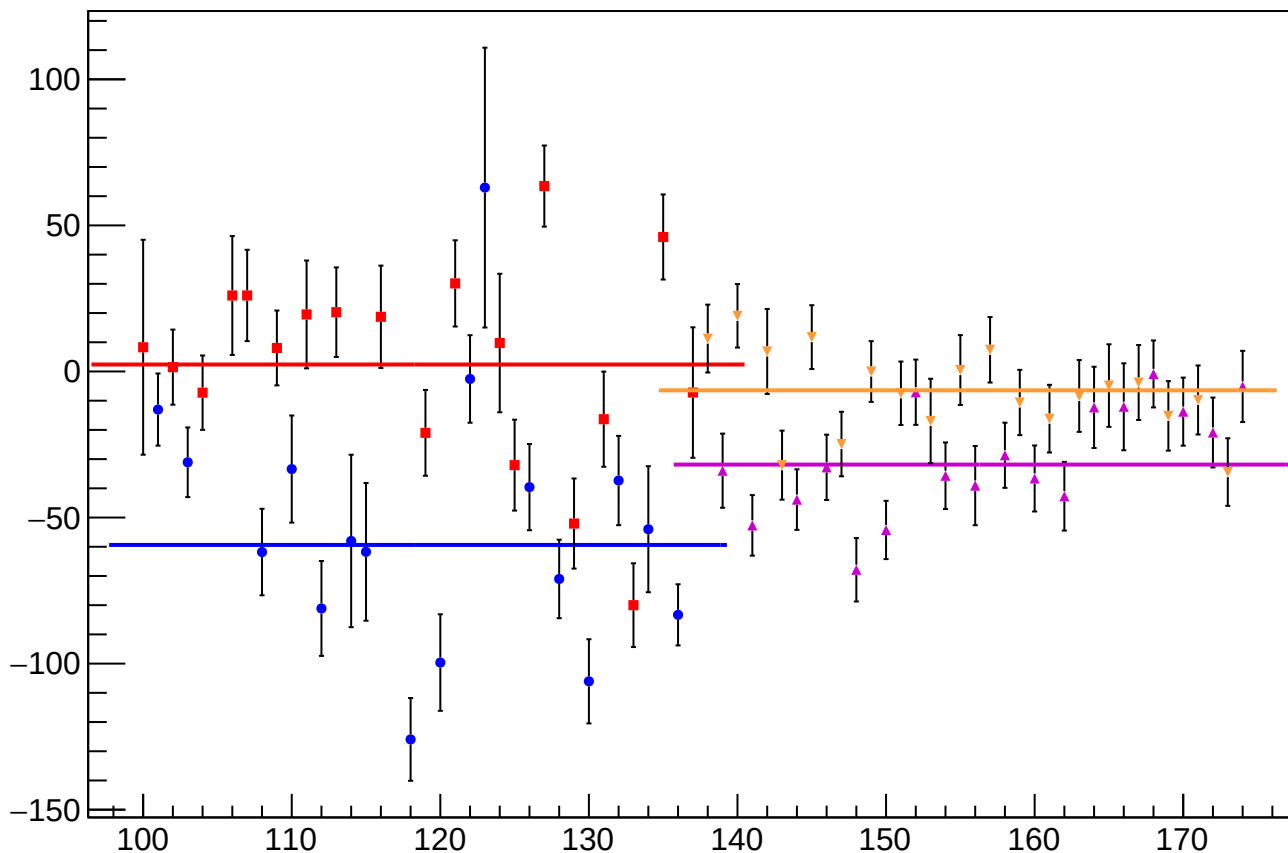
Left In: 1899.432 $\pm$ 0.366 χ^2 /NDF: 867471.6/17

+ sign 1667.443 $\pm$ 0.264 χ^2 /NDF: 1863081.6/35

All: 1677.605 $\pm$ 0.187 χ^2 /NDF: 3575893.7/72

- 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: -6.450+/-2.704 χ^2/NDF : 29.1/18

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

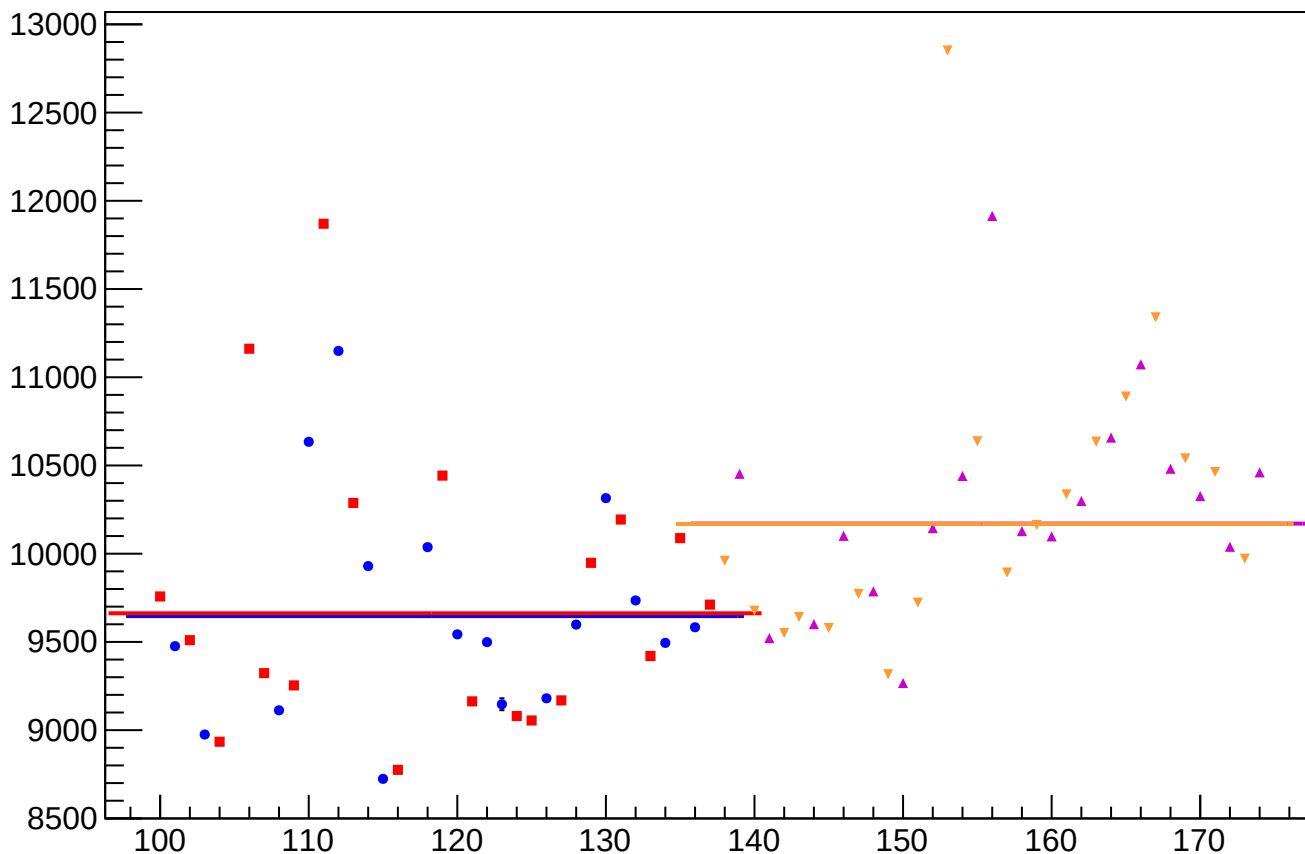
Left In: -31.870+/-2.731 χ^2/NDF : 47.0/17

+ sign -24.693+/-2.189 χ^2/NDF : 254.0/35

All: -22.081+/-1.546 χ^2/NDF : 454.7/72

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

diff_bpm0l02X_rms vs Slug



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

Left Out: 10168.187+/-1.912 χ^2/NDF :139795.8/18

+ sign 9988.355+/-1.548 χ^2/NDF : 209511.5/35

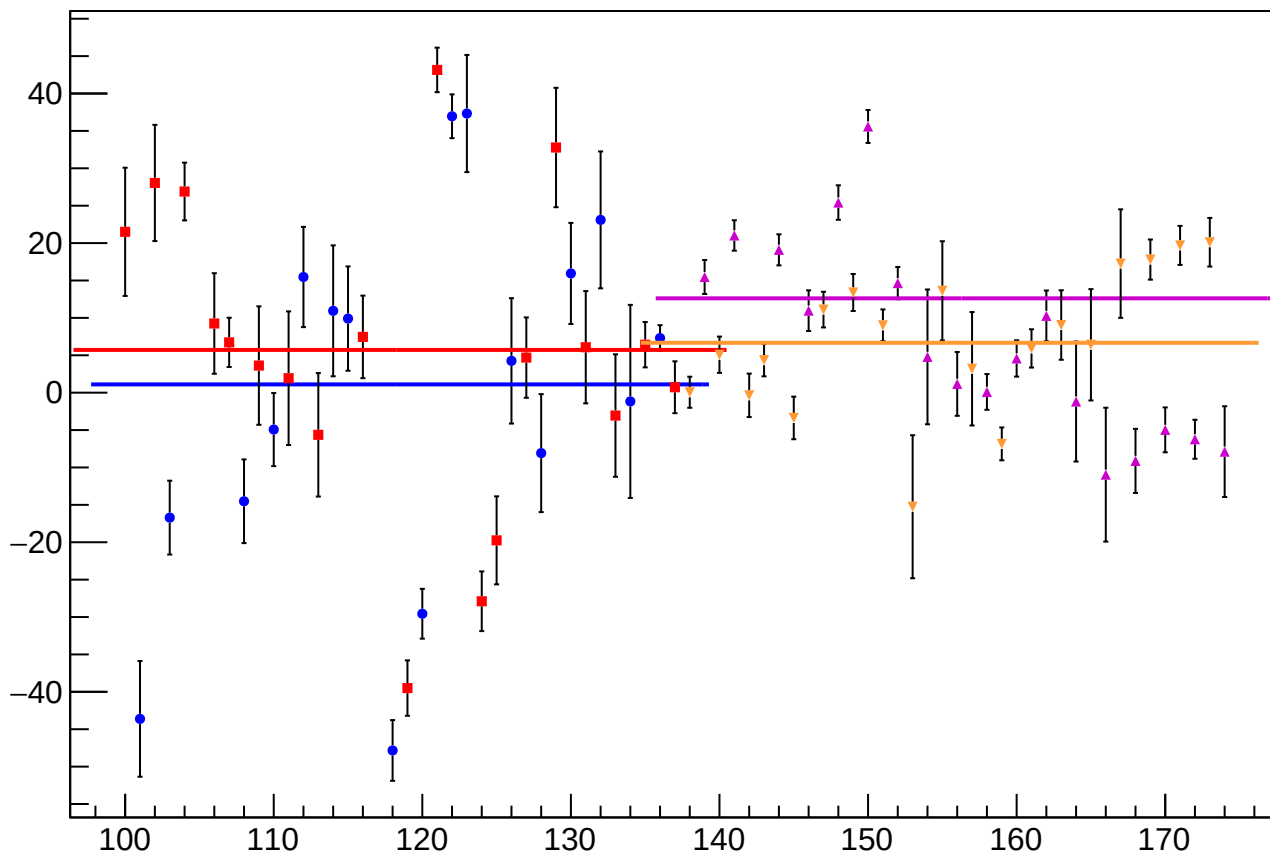
Right Out: 9662.363+/-2.567 χ^2/NDF : 77584.0/18

All: 9987.617+/-1.093 χ^2/NDF : 393596.4/72

- sign 9986.884+/-1.543 χ^2/NDF : 184084.4/36

Left In: 10170.652+/-1.931 χ^2/NDF :81459.6/17

diff_bpm0l02Y_mean vs Slug



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

Left Out: 6.671 ± 0.660 χ^2/NDF : 148.2/18

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

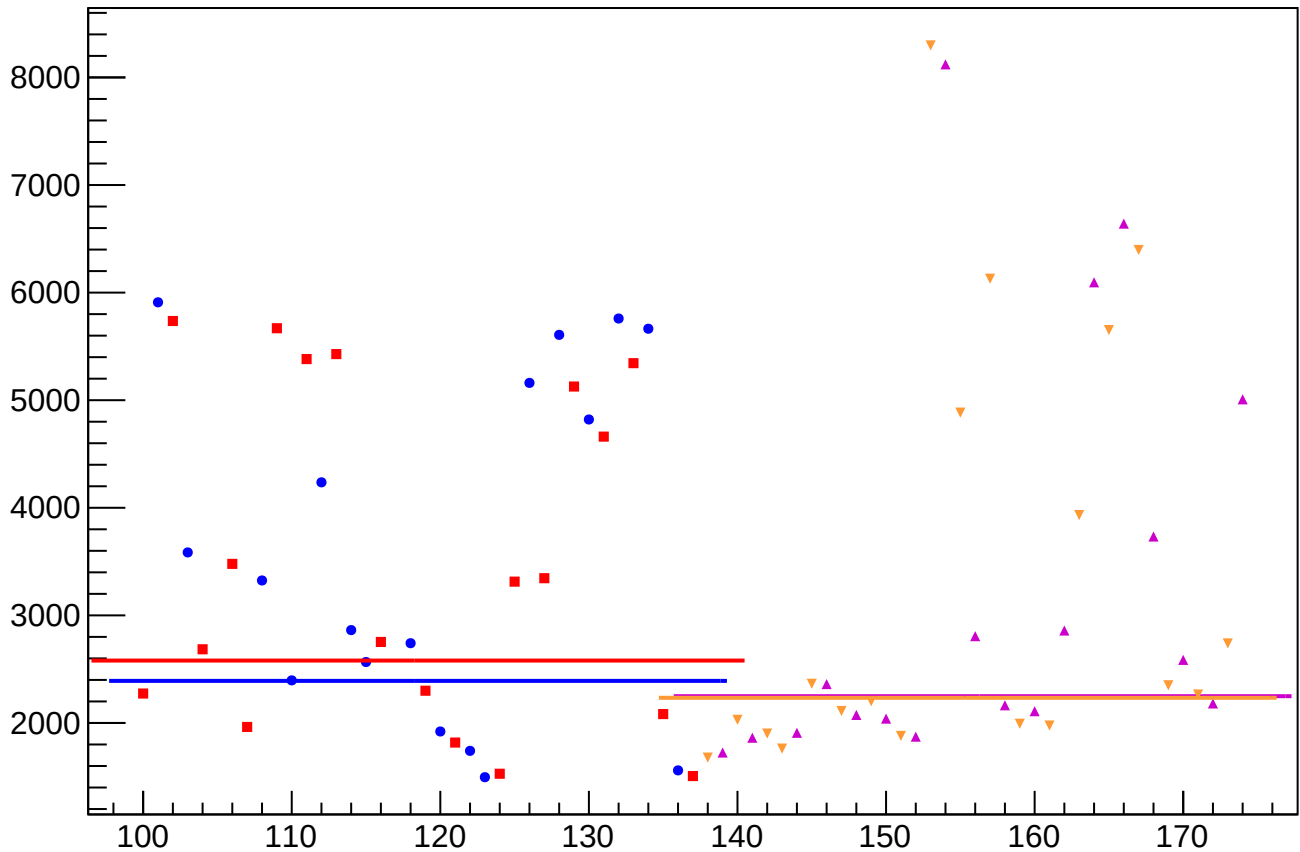
Left In: 12.612 ± 0.662 χ^2/NDF : 349.9/17

+ sign 5.129 ± 0.561 χ^2/NDF : 657.6/35

All: 7.919 ± 0.399 χ^2/NDF : 1542.4/72

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

diff_bpm0l02Y_rms vs Slug



Right In: 2391.162 $\pm$ 0.754 χ^2 /NDF: 2600547.2/16

Left Out: 2233.960 $\pm$ 0.467 χ^2 /NDF: 3440060.3/18

Right Out: 2580.040 $\pm$ 0.772 χ^2 /NDF: 2365271.4/18

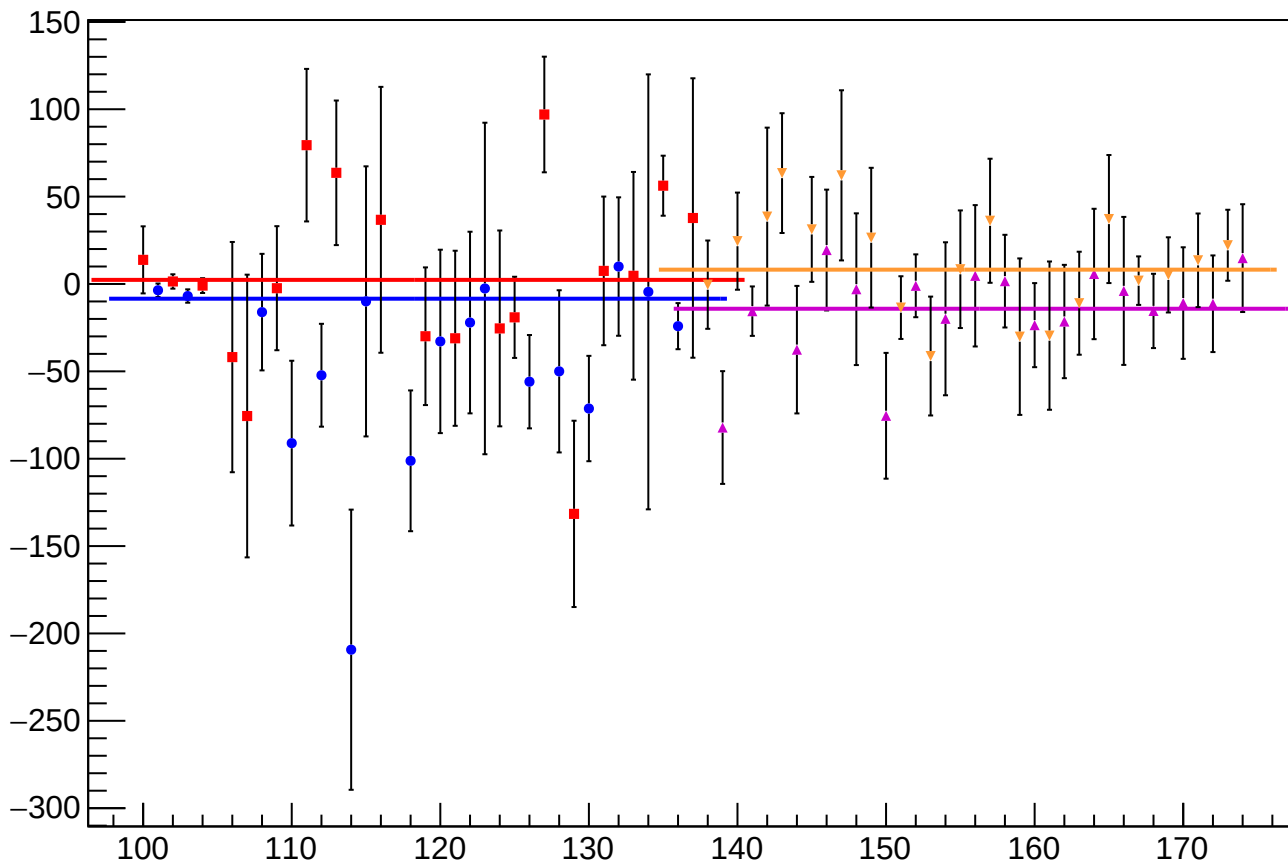
Left In: 2248.888 $\pm$ 0.468 χ^2 /NDF: 2905338.3/17

+ sign 2277.535 $\pm$ 0.397 χ^2 /NDF: 6072018.4/35

All: 2307.534 $\pm$ 0.282 χ^2 /NDF: 11488773.6/7

- sign 2338.030 $\pm$ 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: 8.194 ± 6.199 χ^2/NDF : 13.0/18

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

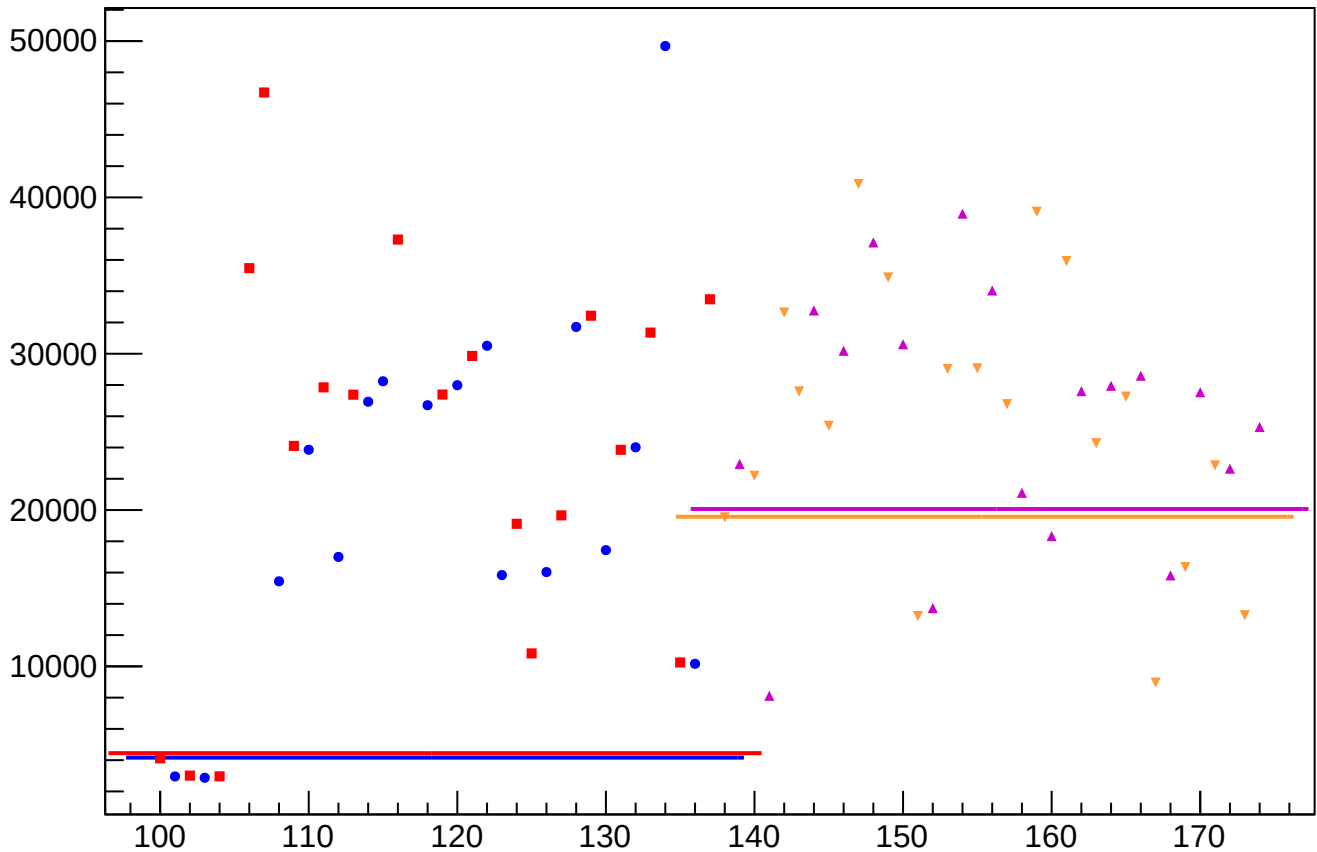
Left In: -14.177 ± 6.455 χ^2/NDF : 11.3/17

+ sign -5.964 ± 2.388 χ^2/NDF : 48.0/35

All: -3.303 ± 1.746 χ^2/NDF : 102.2/72

- 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: 19572.214+/-4.384 χ^2/NDF : 3908100.0/18

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

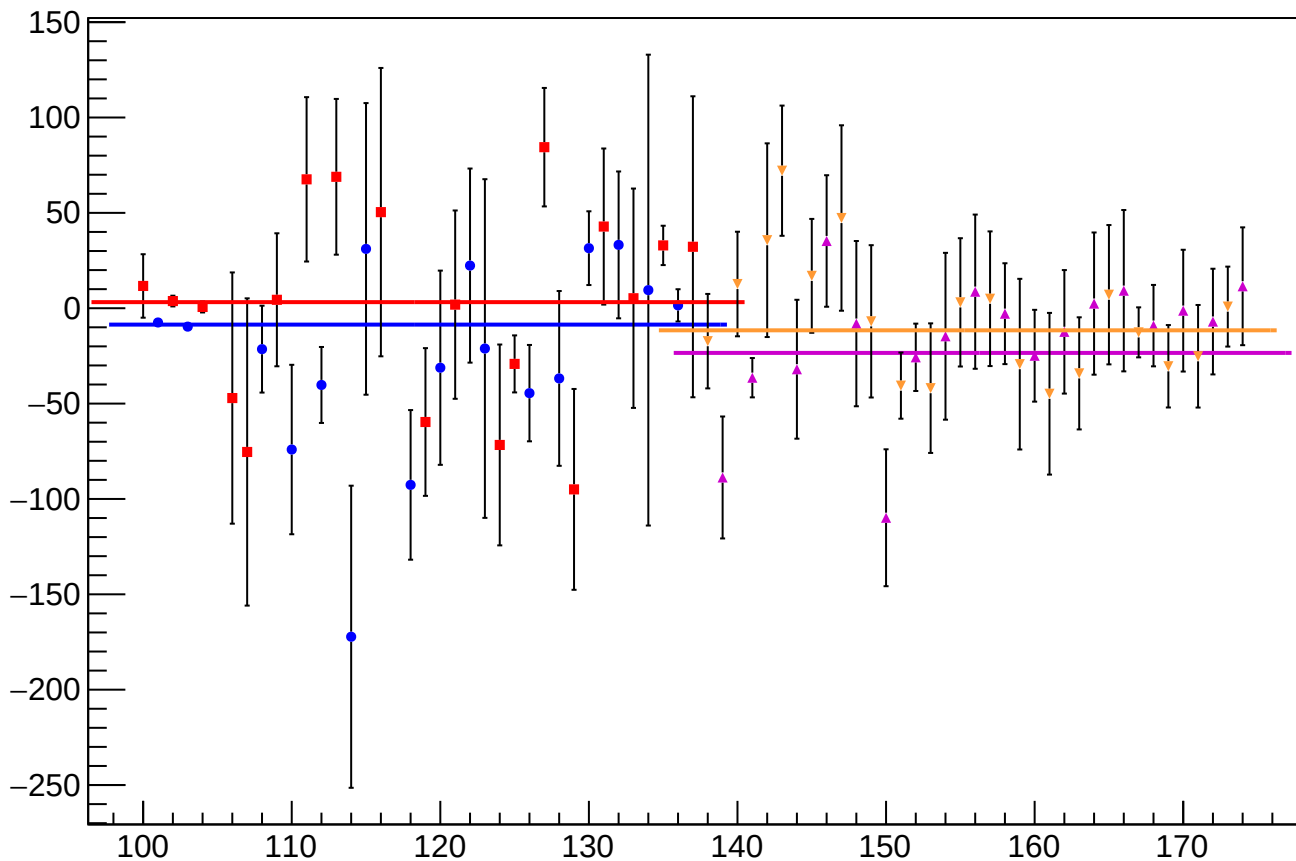
Left In: 20065.876+/-4.564 χ^2/NDF : 3752277.9/17

+ sign 6448.357+/-1.688 χ^2/NDF : 20422110.1/35

All: 6659.039+/-1.234 χ^2/NDF : 41504286.6/7

- 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: -11.581 ± 6.104 χ^2/NDF : 17.1/18

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

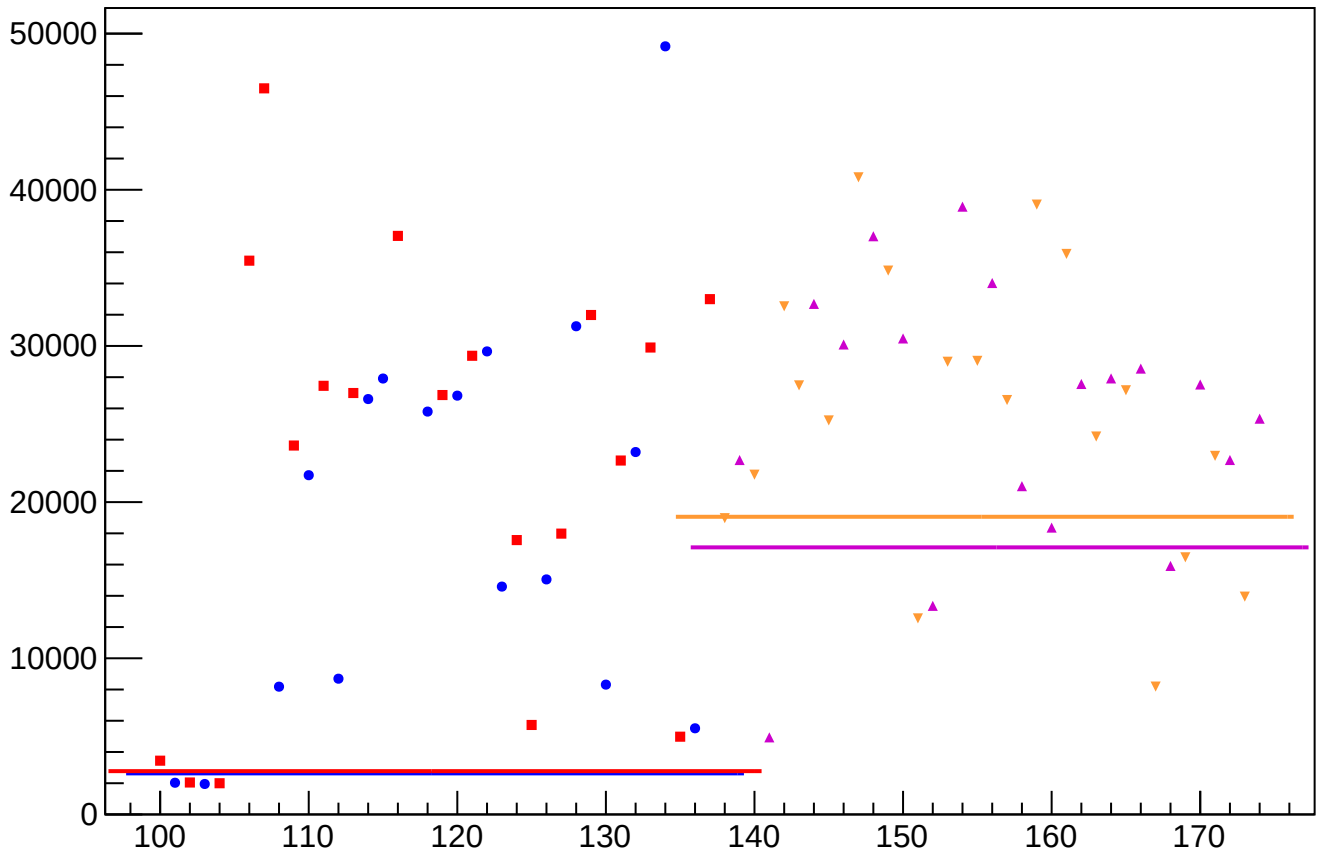
Left In: -23.425 ± 5.919 χ^2/NDF : 19.7/17

+ sign -8.821 ± 1.707 χ^2/NDF : 41.7/35

All: -4.408 ± 1.248 χ^2/NDF : 130.9/72

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

diff_bpm0l03Y_rms vs Slug



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

Left Out: 19061.130 $\pm$ 4.316 χ^2 /NDF: 4236575.4/18

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

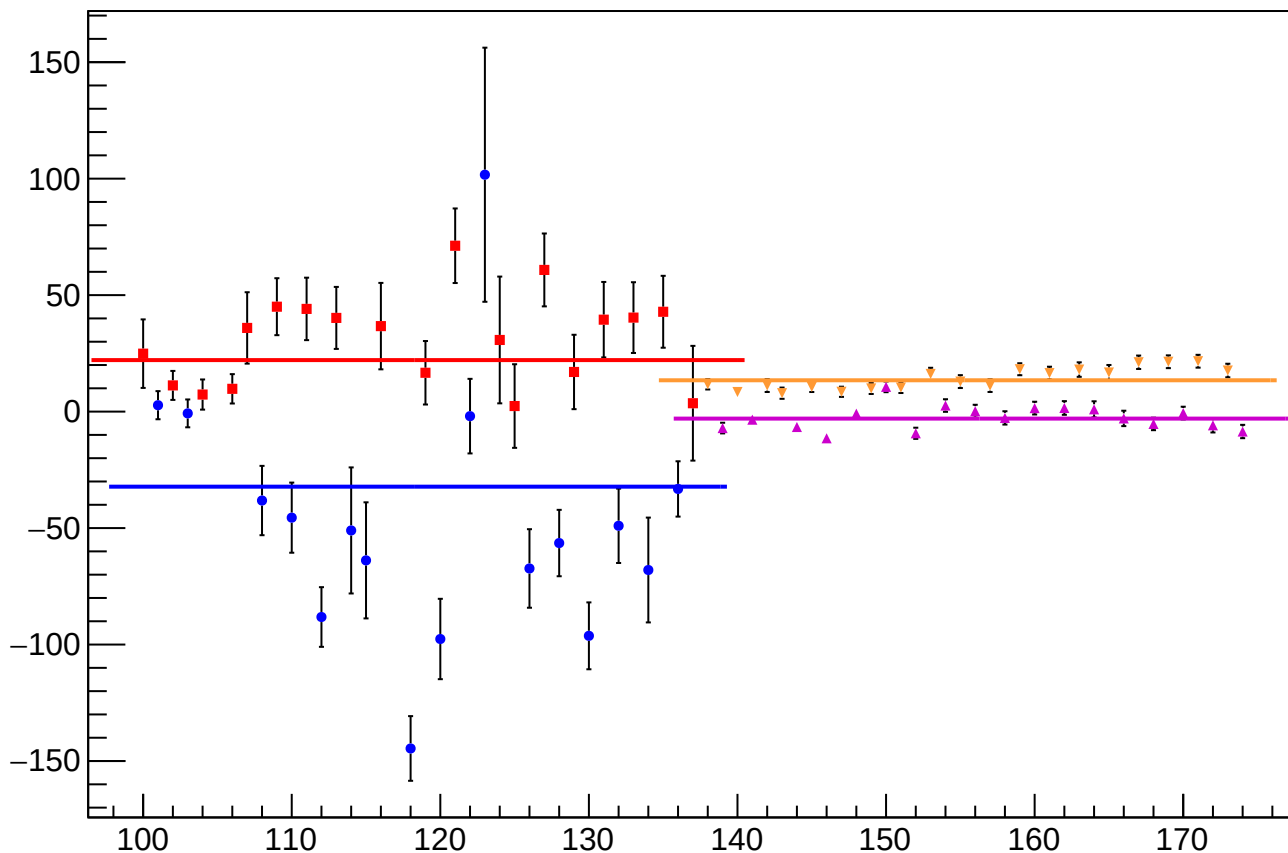
Left In: 17102.309 $\pm$ 4.185 χ^2 /NDF: 6151462.1/17

+ sign 3915.219 $\pm$ 1.207 χ^2 /NDF: 23183287.7/35

All: 4020.157 $\pm$ 0.882 χ^2 /NDF: 47789907.5/7

- sign 4140.554 $\pm$ 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: 13.447 ± 0.589 χ^2/NDF : 58.8/18

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

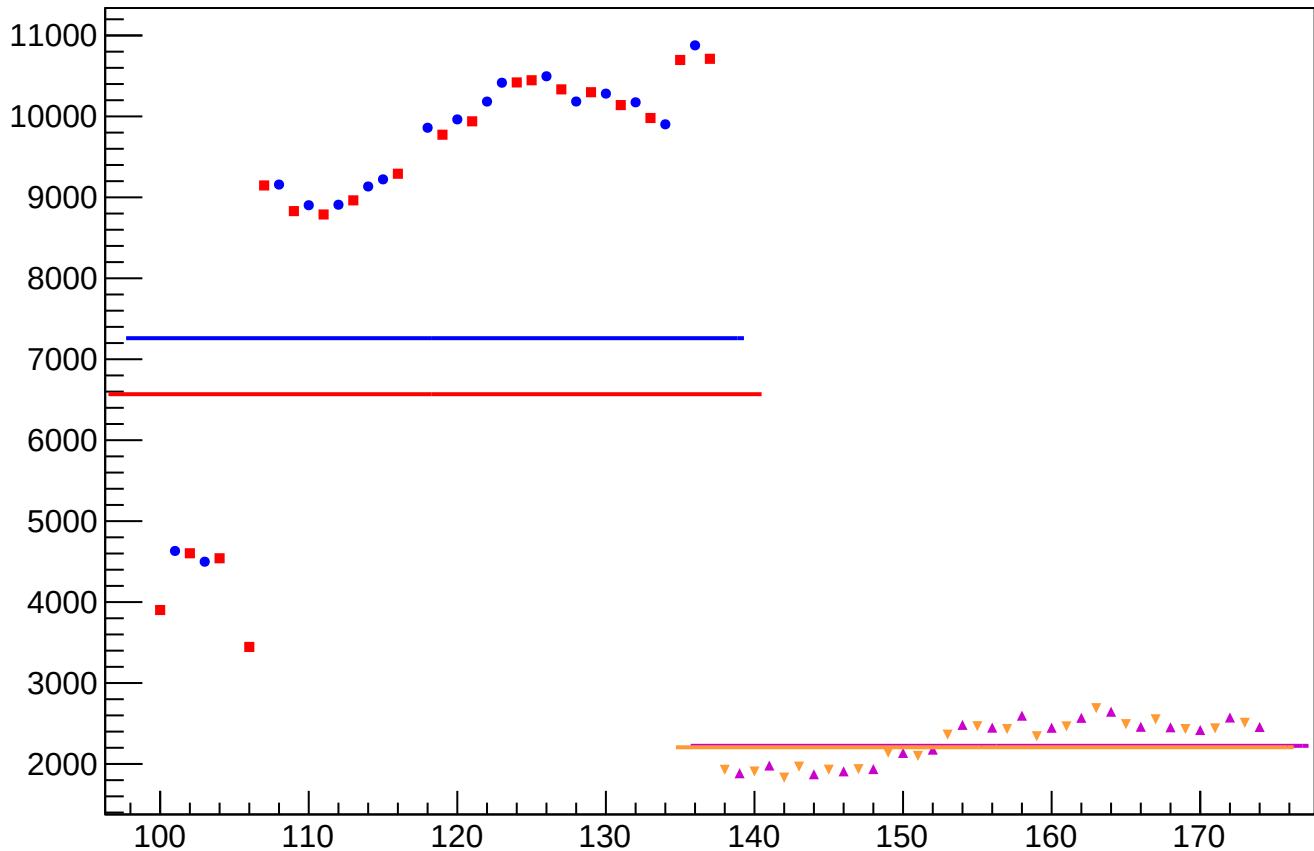
Left In: -3.005 ± 0.601 χ^2/NDF : 83.7/17

+ sign 11.729 ± 0.578 χ^2/NDF : 488.2/35

All: 5.062 ± 0.412 χ^2/NDF : 969.5/72

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

diff_bpm0l04X_rms vs Slug



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

Left Out: 2206.206 $\pm$ 0.417 χ^2 /NDF: 396426.9/18

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

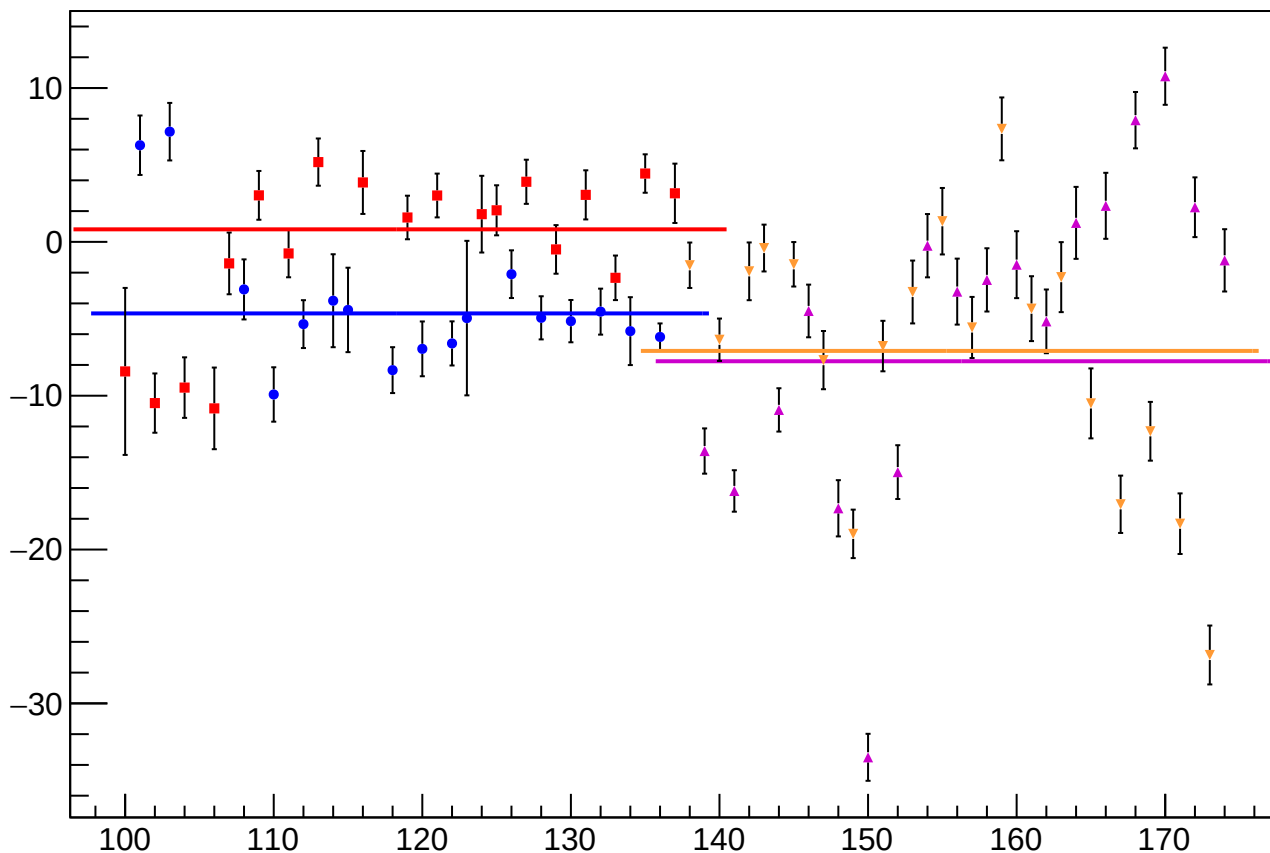
Left In: 2224.254 $\pm$ 0.425 χ^2 /NDF: 424078.9/17

+ sign 2396.305 $\pm$ 0.409 χ^2 /NDF: 7563600.8/35

All: 2414.815 $\pm$ 0.291 χ^2 /NDF: 15229434.8/7

- sign 2433.847 $\pm$ 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: -7.088 ± 0.412 χ^2/NDF : 366.6/18

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

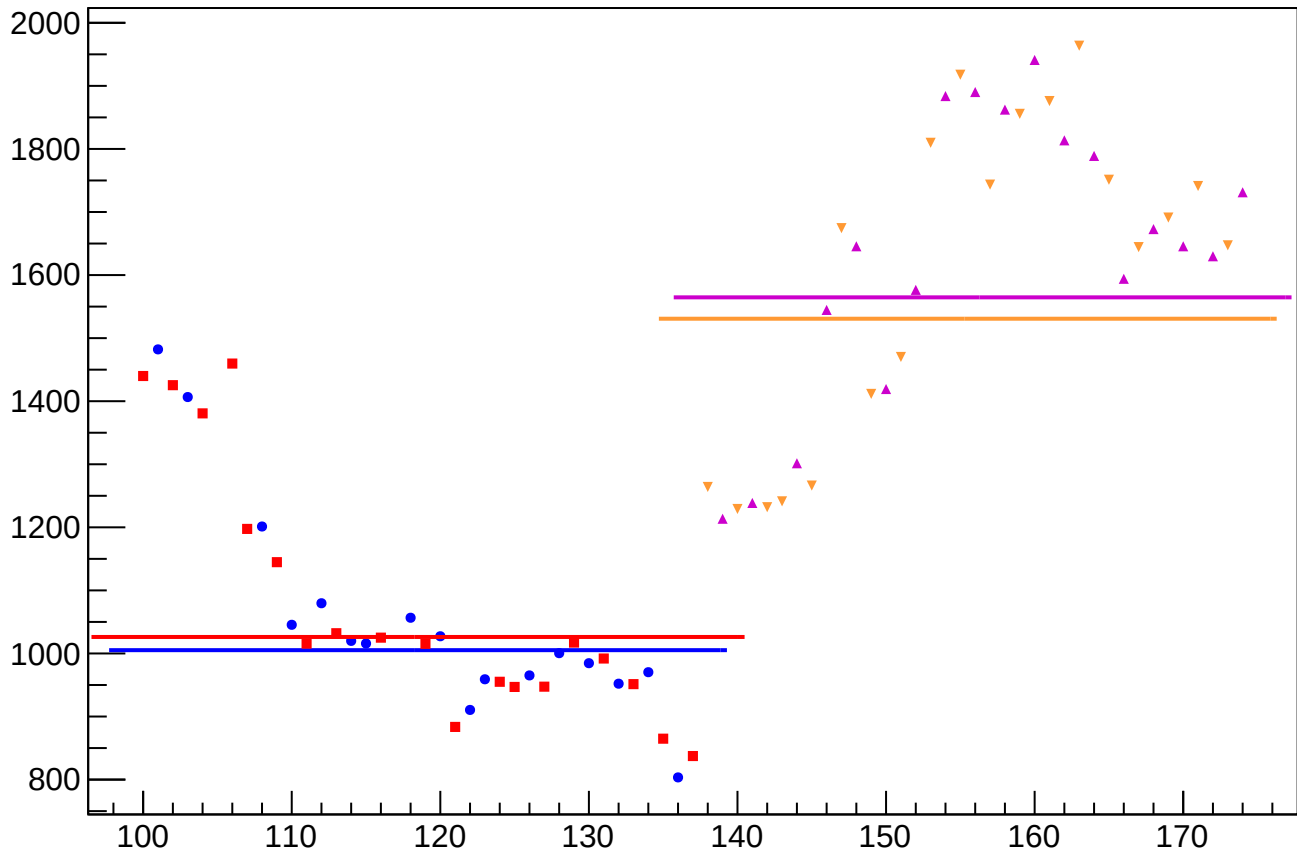
Left In: -7.760 ± 0.425 χ^2/NDF : 673.1/17

+ sign -5.810 ± 0.284 χ^2/NDF : 482.5/35

All: -4.462 ± 0.202 χ^2/NDF : 1546.5/72

- 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: 1530.785 $\pm$ 0.292 χ^2 /NDF: 748341.5/18

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

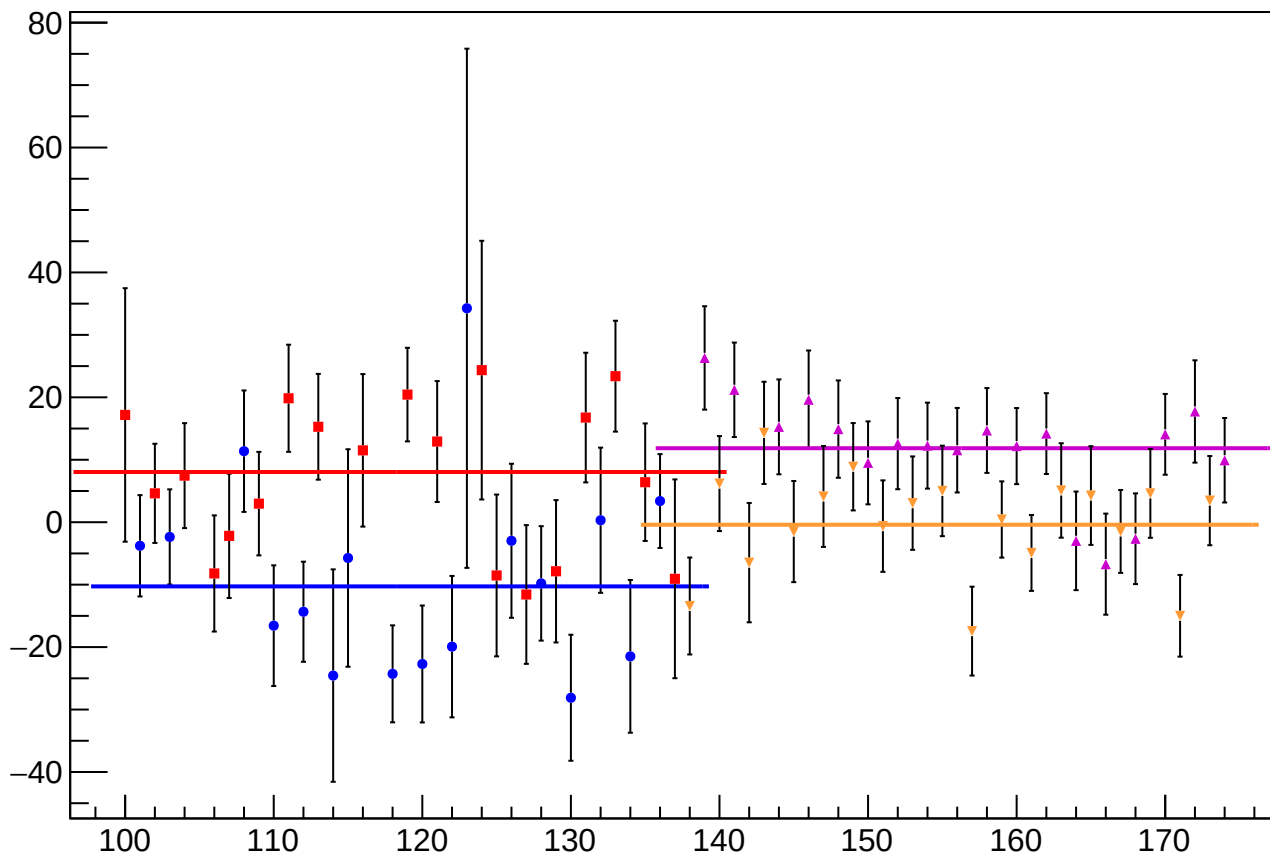
Left In: 1564.671 $\pm$ 0.300 χ^2 /NDF: 593300.8/17

+ sign 1255.193 $\pm$ 0.201 χ^2 /NDF: 2814700.0/35

All: 1263.279 $\pm$ 0.143 χ^2 /NDF: 5495085.9/72

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

diff_bpm0l05X_mean vs Slug



Right In: -10.277 $\pm$ 2.408 χ^2/NDF : 23.5/16

Left Out: -0.406 $\pm$ 1.669 χ^2/NDF : 23.0/18

Right Out: 8.041 $\pm$ 2.278 χ^2/NDF : 22.8/18

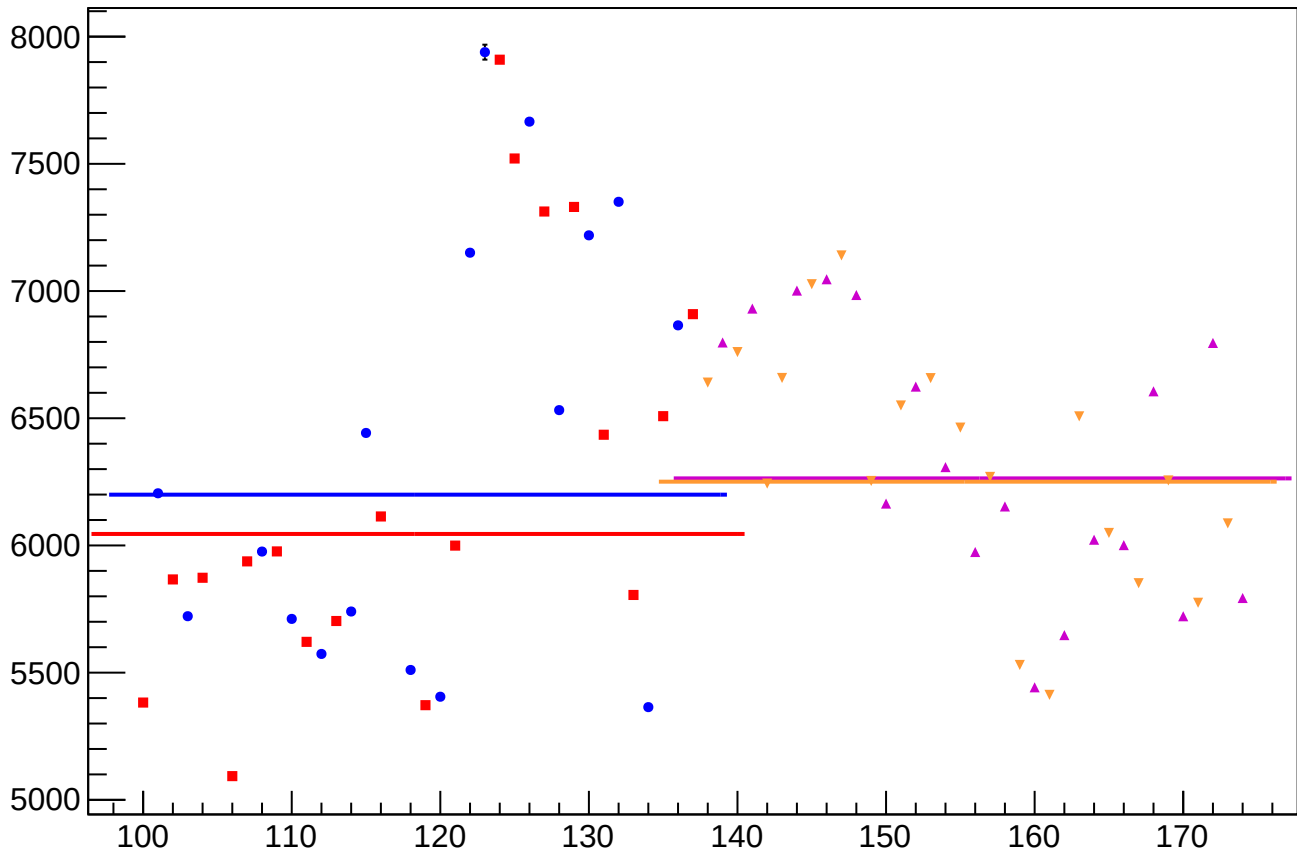
Left In: 11.851 $\pm$ 1.691 χ^2/NDF : 19.8/17

+ sign -3.610 $\pm$ 1.372 χ^2/NDF : 57.9/35

All: 3.515 $\pm$ 0.965 χ^2/NDF : 155.7/72

- sign 10.497 $\pm$ 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: 6250.695 $\pm$ 1.180 χ^2 /NDF: 160919.9/18

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

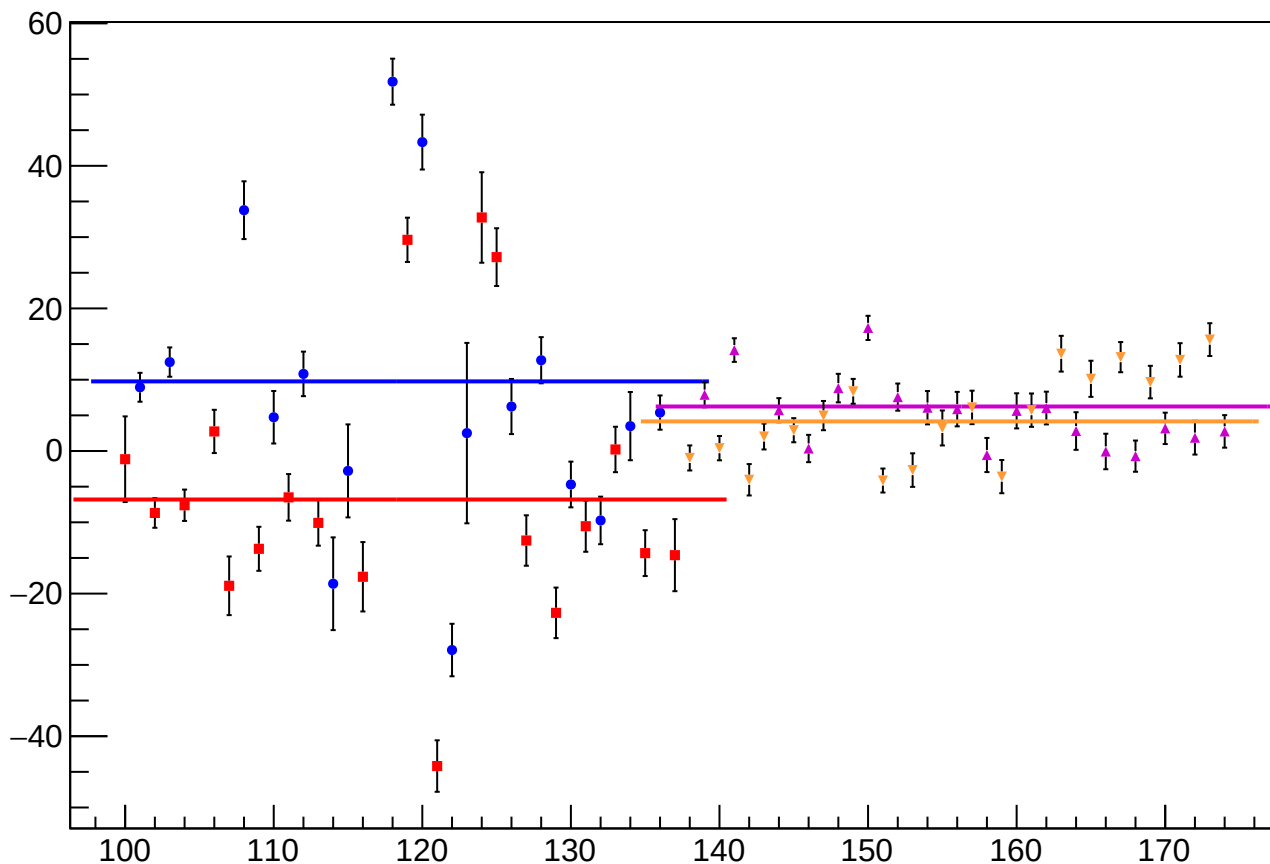
Left In: 6263.580 $\pm$ 1.196 χ^2 /NDF: 184144.1/17

+ sign 6234.114 $\pm$ 0.970 χ^2 /NDF: 333288.2/35

All: 6209.808 $\pm$ 0.682 χ^2 /NDF: 688847.6/72

- 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: 4.154 ± 0.474 χ^2/NDF : 162.4/18

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

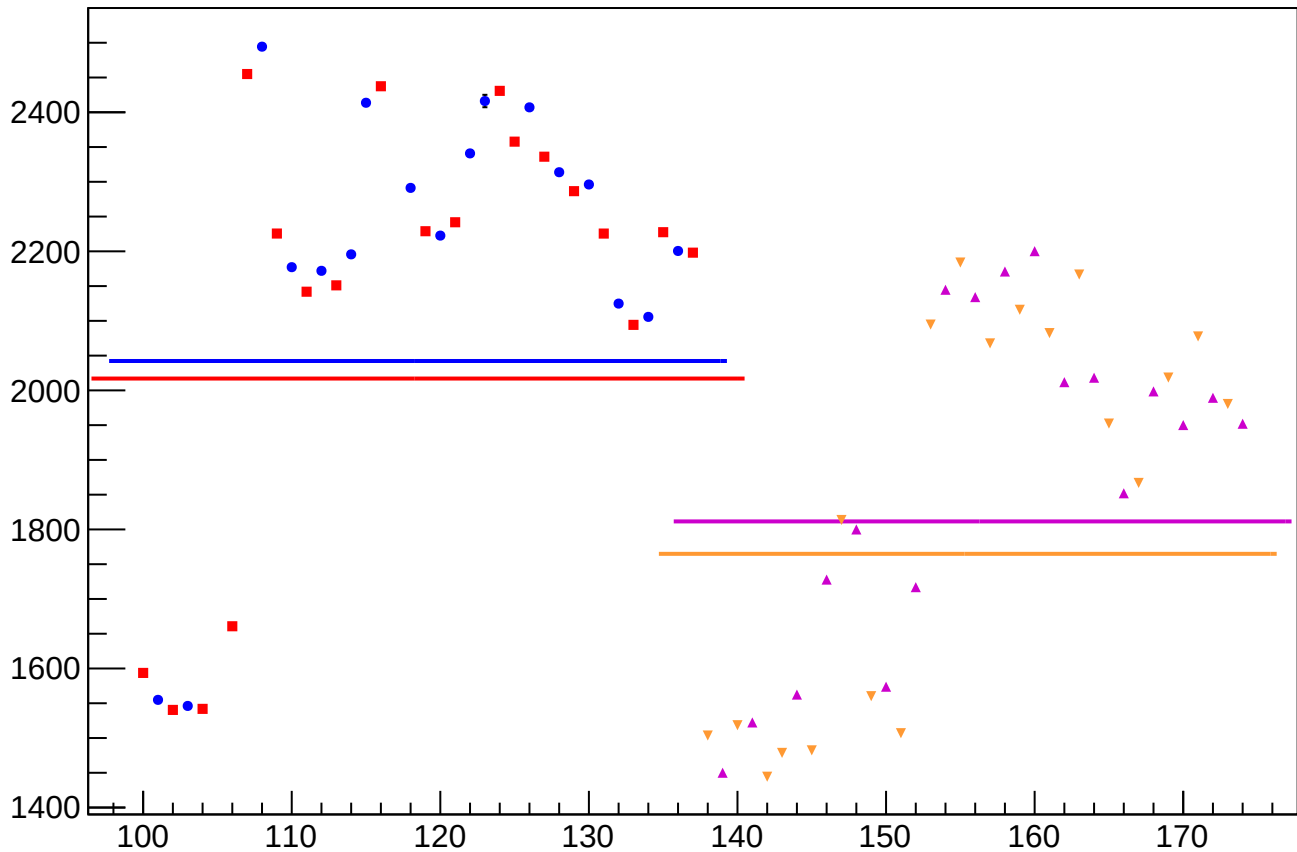
Left In: 6.242 ± 0.491 χ^2/NDF : 111.7/17

+ sign 5.621 ± 0.408 χ^2/NDF : 672.8/35

All: 4.051 ± 0.290 χ^2/NDF : 1442.5/72

- 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: 1764.906+/-0.335 χ^2/NDF : 667791.6/18

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

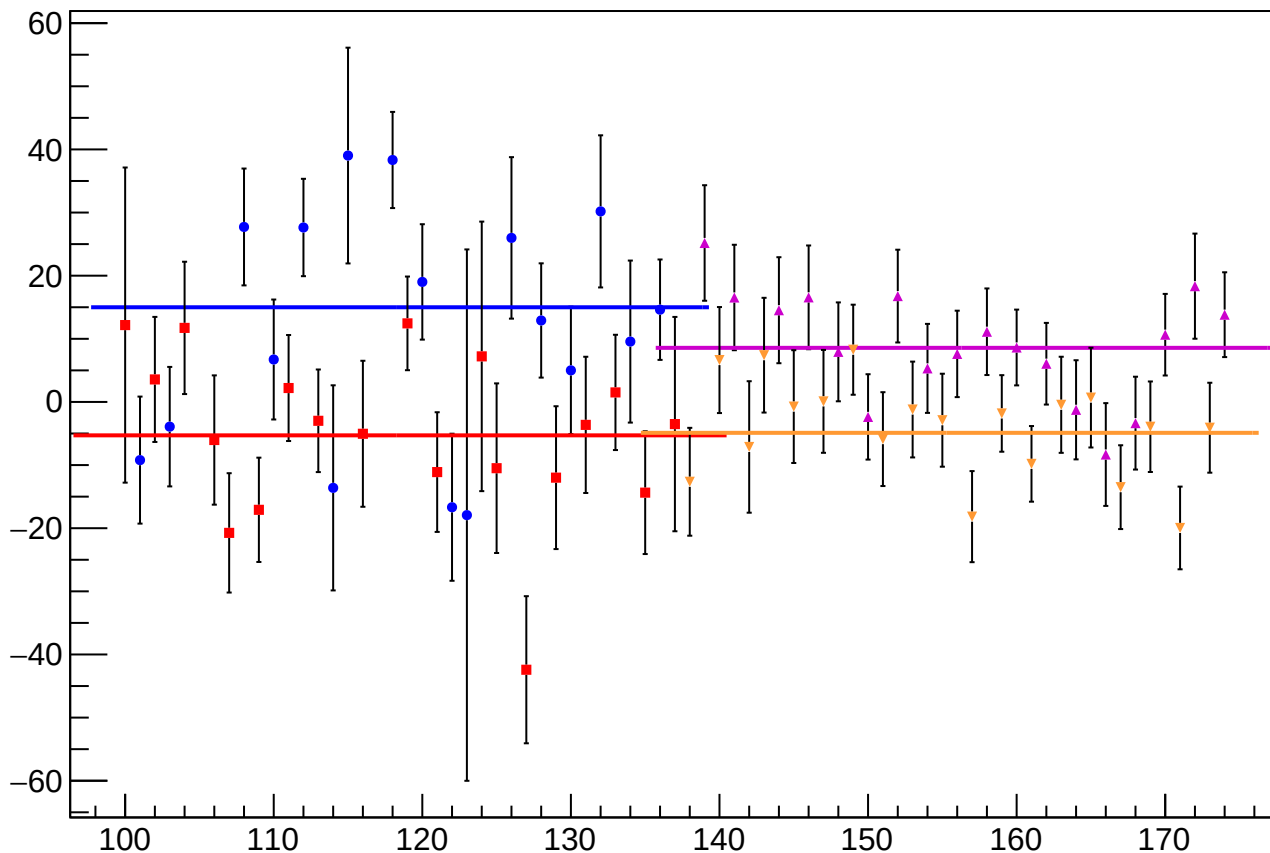
Left In: 1811.539+/-0.347 χ^2/NDF : 477366.3/17

+ sign 1837.463+/-0.288 χ^2/NDF : 1203537.1/35

All: 1854.231+/-0.205 χ^2/NDF : 2165694.1/72

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

diff_bpm0l06X_mean vs Slug



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

Left Out: -4.892 ± 1.707 χ^2/NDF : 21.1/18

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

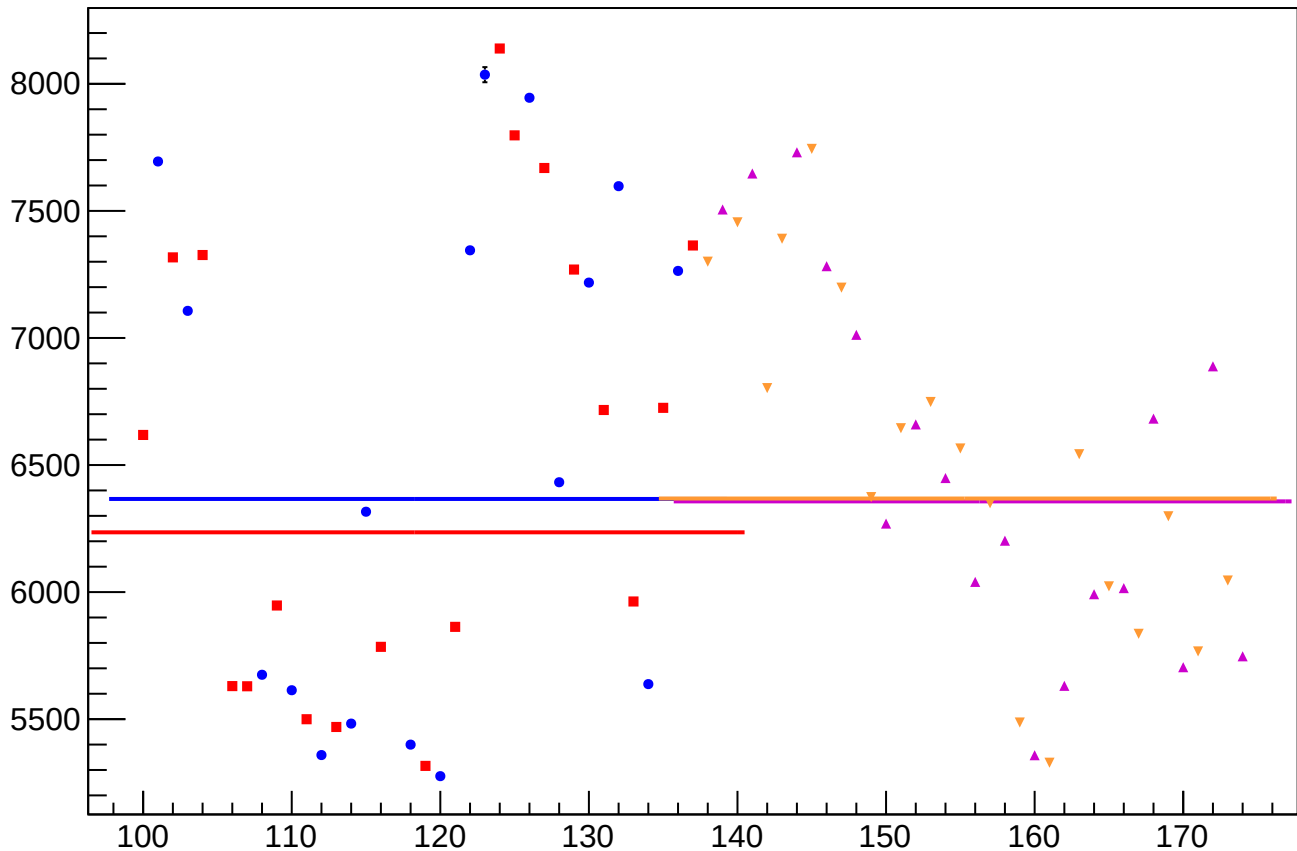
Left In: 8.570 ± 1.723 χ^2/NDF : 20.6/17

+ sign 1.483 ± 1.407 χ^2/NDF : 105.9/35

All: 2.626 ± 0.989 χ^2/NDF : 178.4/72

- sign 3.742 ± 1.391 χ^2/NDF : 71.2/36

diff_bpm0l06X_rms vs Slug



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

Left Out: 6368.213+/-1.207 χ^2/NDF : 304940.0/18

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

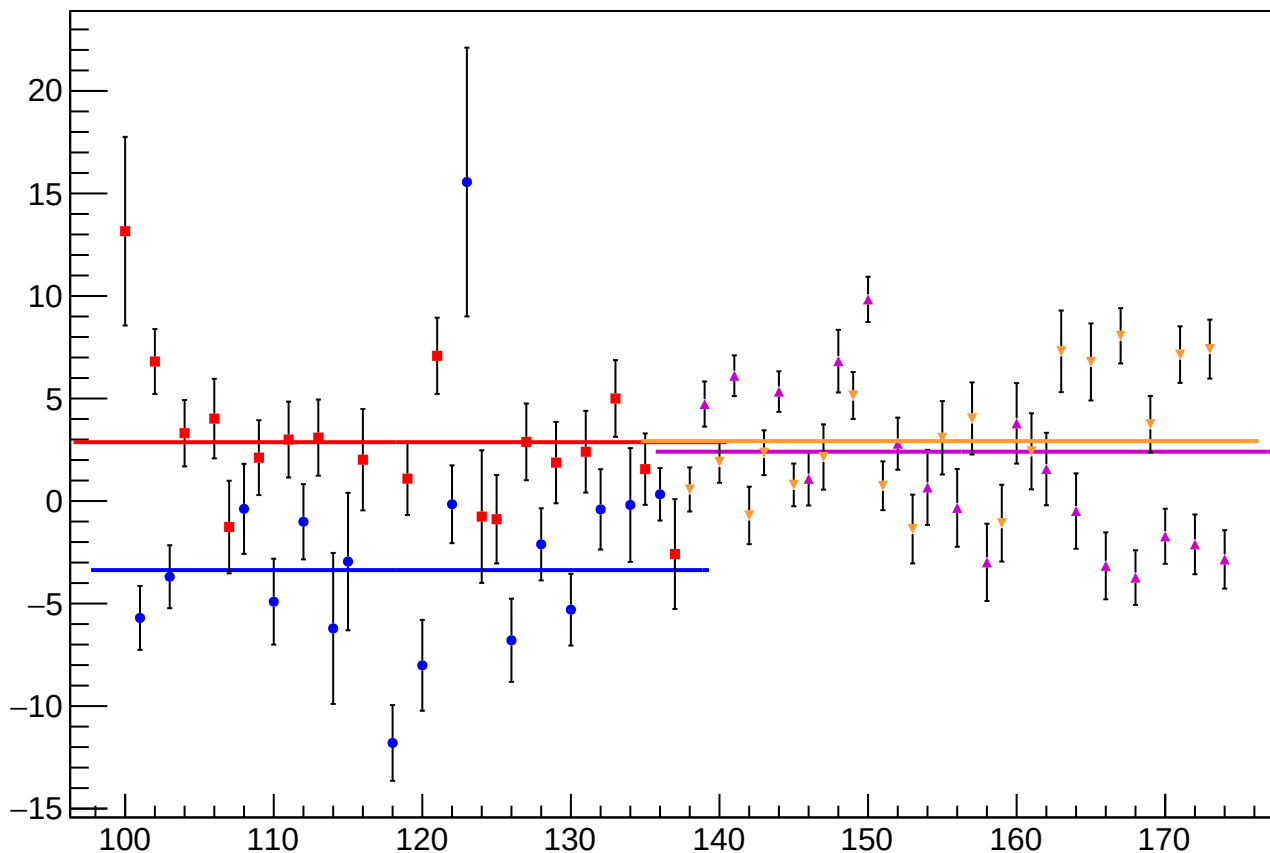
Left In: 6356.978+/-1.219 χ^2/NDF : 318894.0/17

+ sign 6367.661+/-0.995 χ^2/NDF : 591435.2/35

All: 6340.807+/-0.700 χ^2/NDF : 1158453.0/72

- 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: 2.923 ± 0.314 $\chi^2/\text{NDF}: 78.9/18$

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

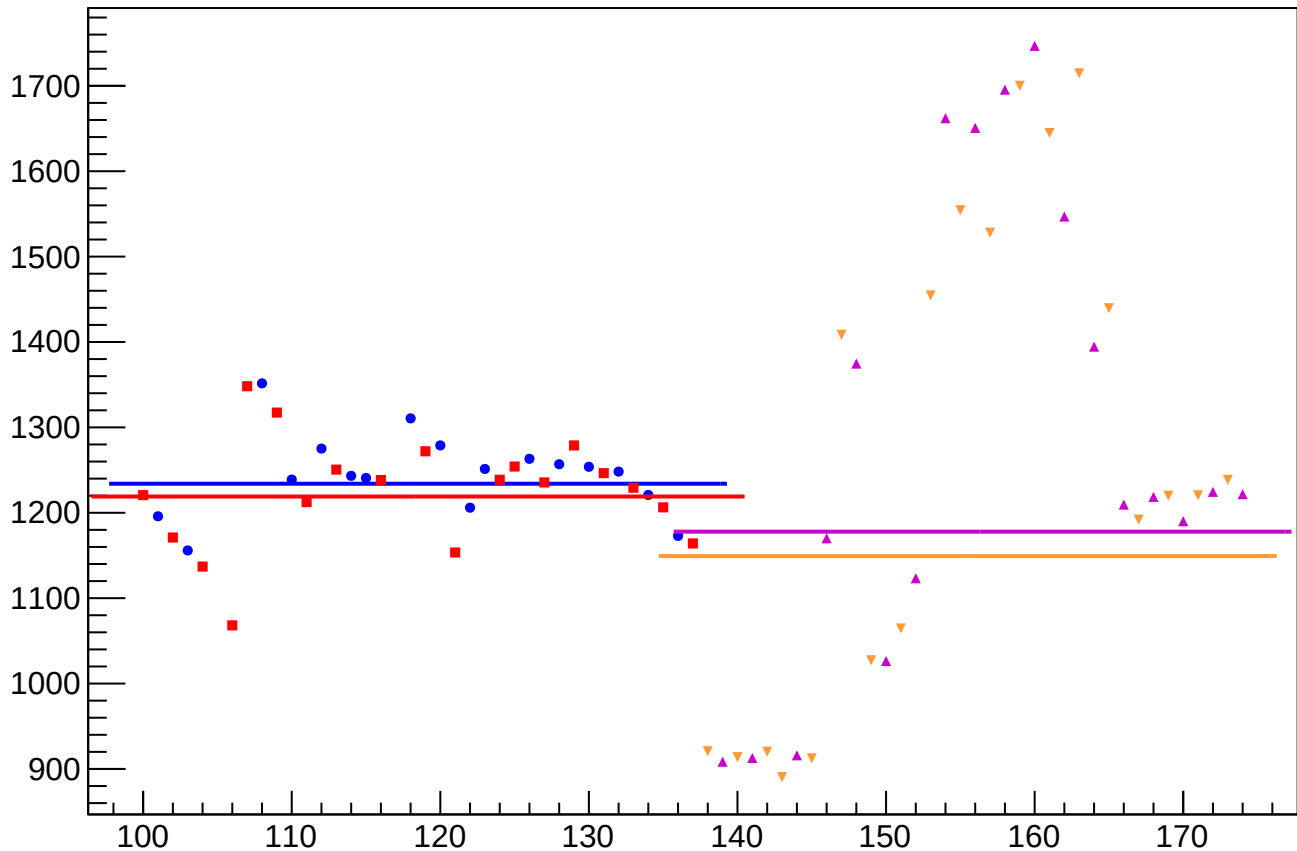
Left In: 2.407 ± 0.324 $\chi^2/\text{NDF}: 161.8/17$

+ sign 1.013 ± 0.262 $\chi^2/\text{NDF}: 260.7/35$

All: 1.781 ± 0.186 $\chi^2/\text{NDF}: 472.6/72$

- 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: 1149.272 $\pm$ 0.222 χ^2 /NDF:1358142.2/18

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

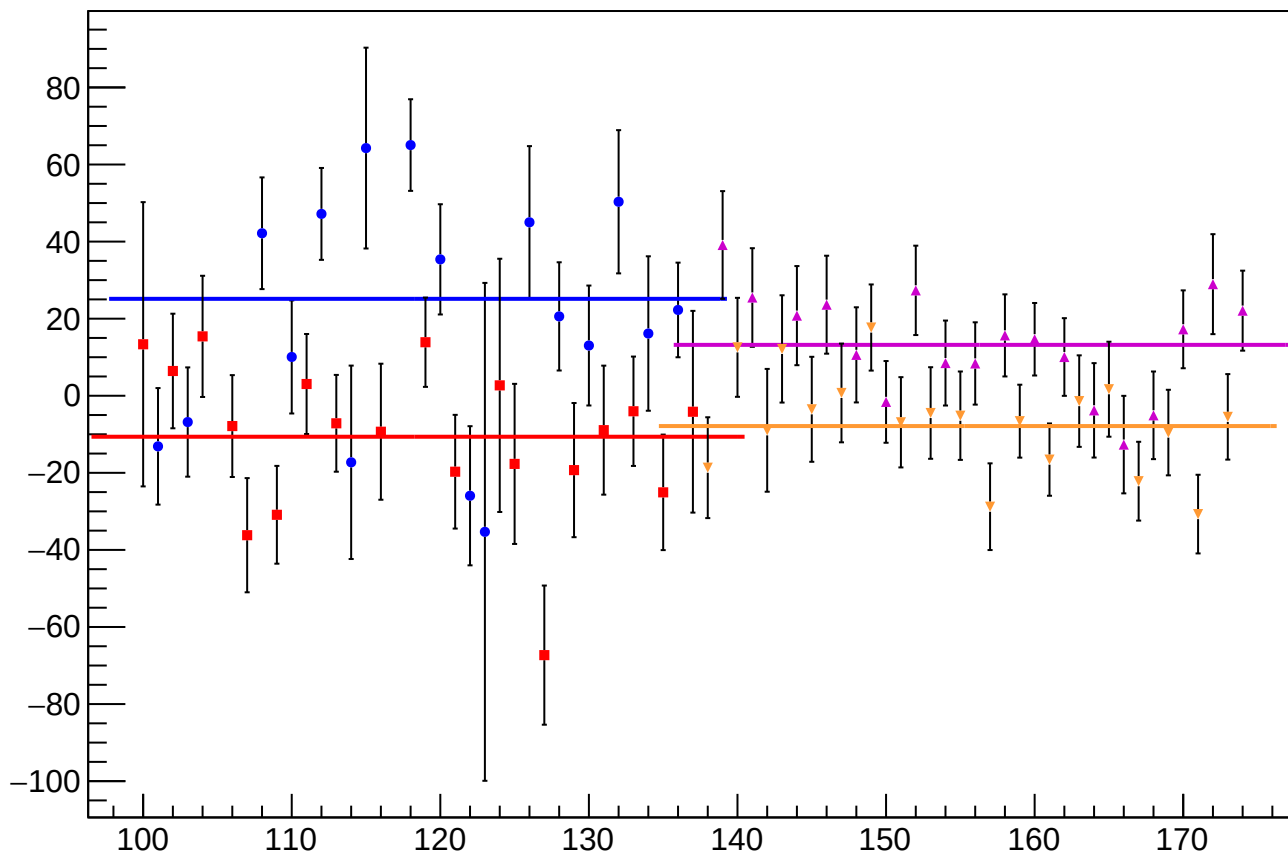
Left In: 1177.878 $\pm$ 0.229 χ^2 /NDF:1182050.0/17

+ sign 1175.006 $\pm$ 0.185 χ^2 /NDF: 1425957.7/35

All: 1183.273 $\pm$ 0.132 χ^2 /NDF: 2663206.4/72

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

diff_bpm0l07X_mean vs Slug



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

Left Out: -7.865 ± 2.654 χ^2/NDF : 23.5/18

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

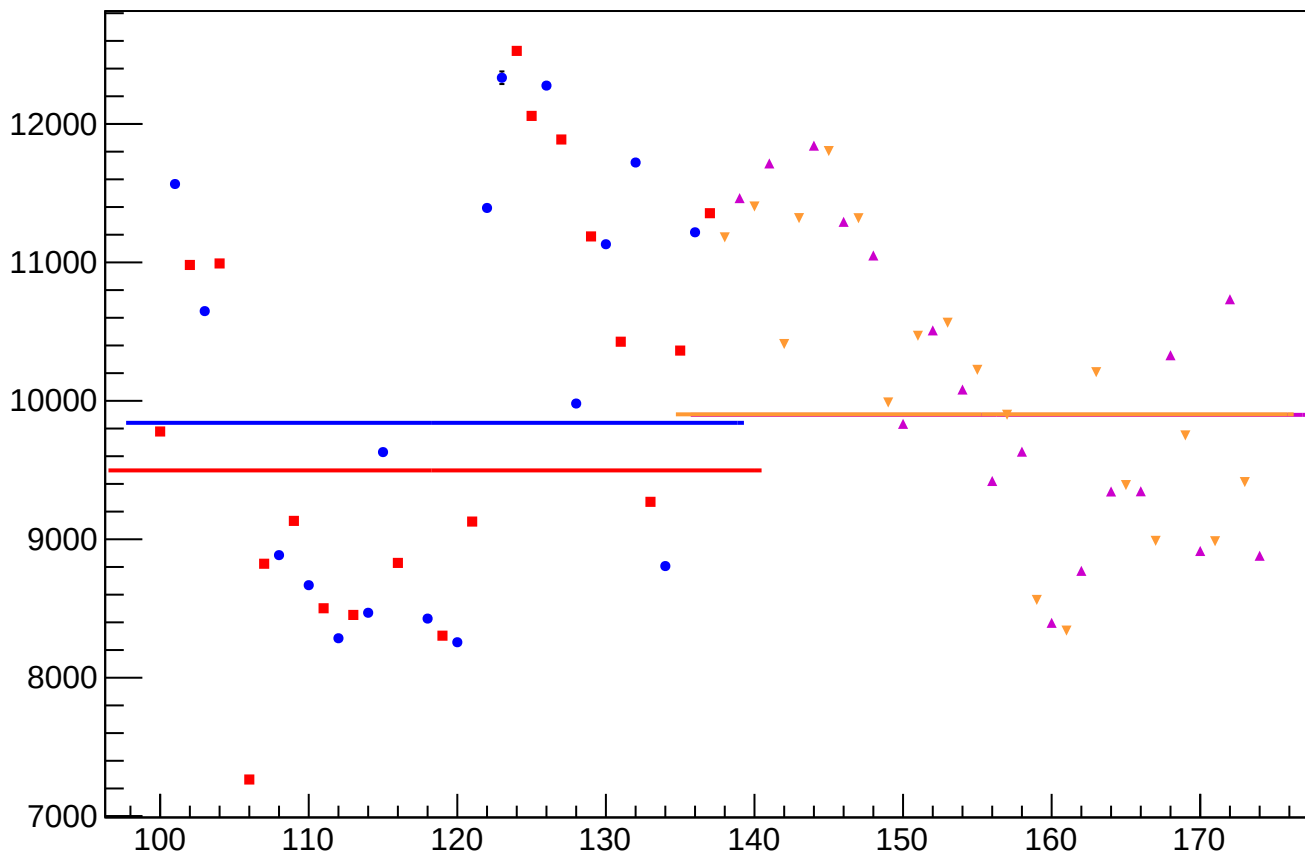
Left In: 13.203 ± 2.682 χ^2/NDF : 20.5/17

+ sign 2.816 ± 2.183 χ^2/NDF : 120.5/35

All: 3.761 ± 1.532 χ^2/NDF : 197.3/72

- sign 4.678 ± 2.150 χ^2/NDF : 76.4/36

diff_bpm0l07X_rms vs Slug



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

Left Out: 9902.549+/-1.876 χ^2/NDF : 281999.0/18

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

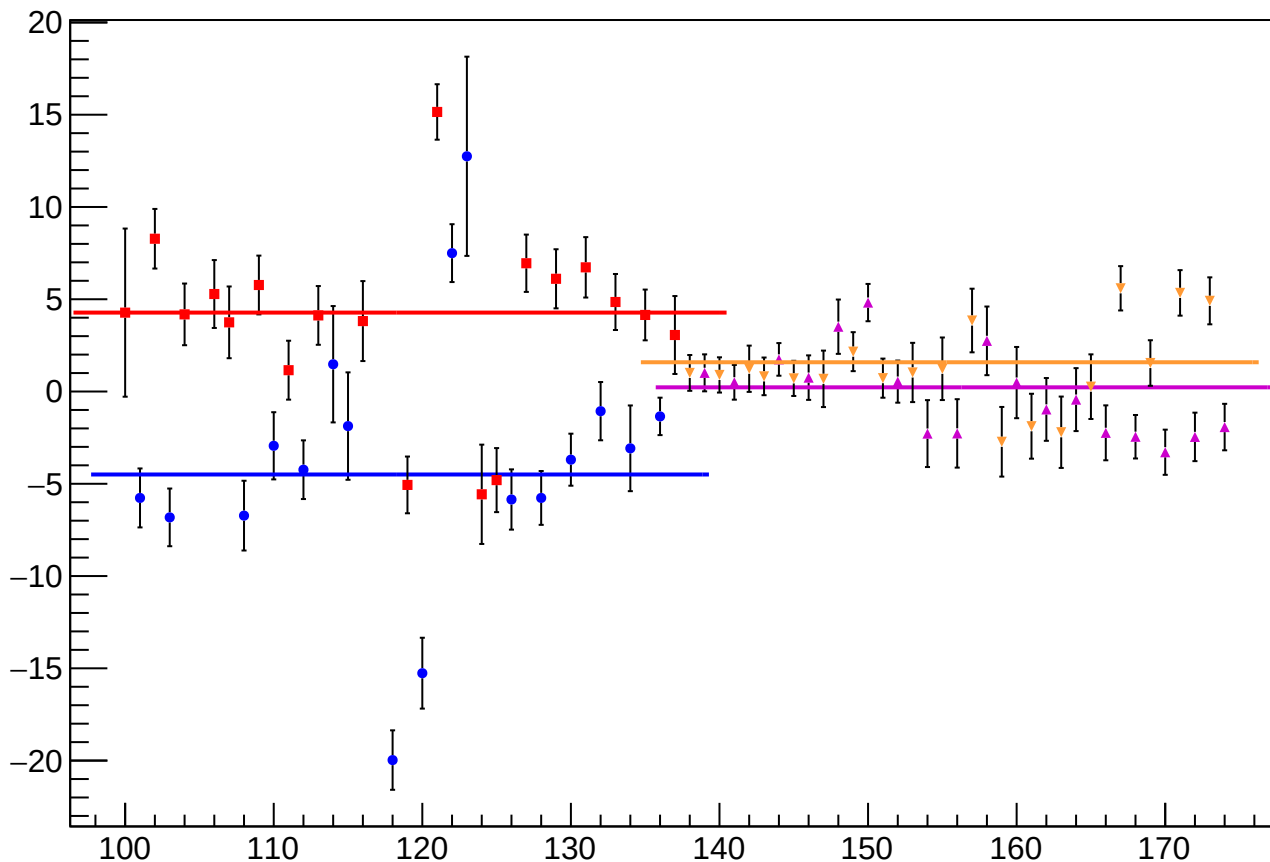
Left In: 9898.822+/-1.897 χ^2/NDF : 297214.9/17

+ sign 9882.693+/-1.543 χ^2/NDF : 542407.4/35

All: 9818.021+/-1.083 χ^2/NDF : 1135796.0/72

- sign 9755.284+/-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: 1.586 ± 0.289 χ^2/NDF : 46.3/18

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

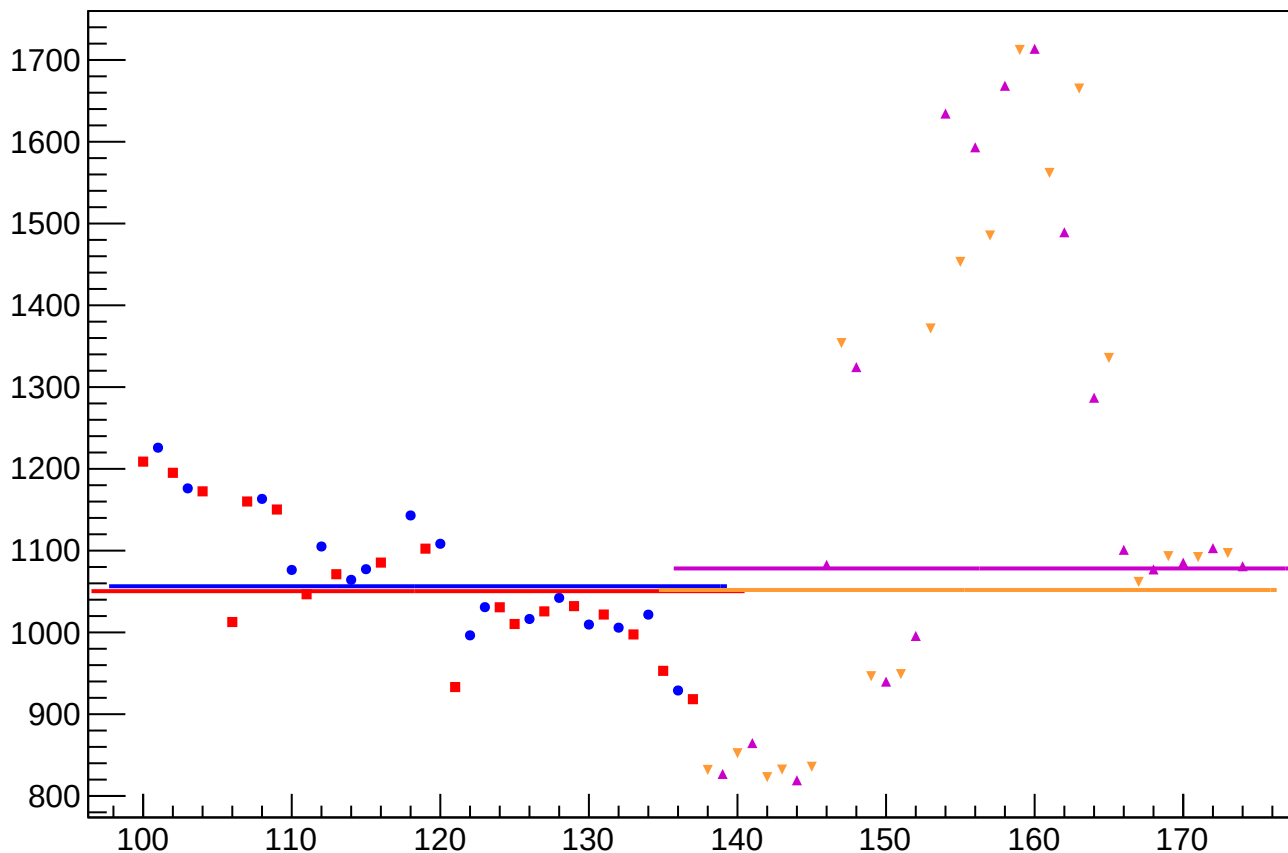
Left In: 0.227 ± 0.299 χ^2/NDF : 59.0/17

+ sign -0.446 ± 0.236 χ^2/NDF : 412.6/35

All: 0.620 ± 0.168 χ^2/NDF : 728.2/72

- 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: 1051.913 $\pm$ 0.204 χ^2 /NDF: 1560563.9/18

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

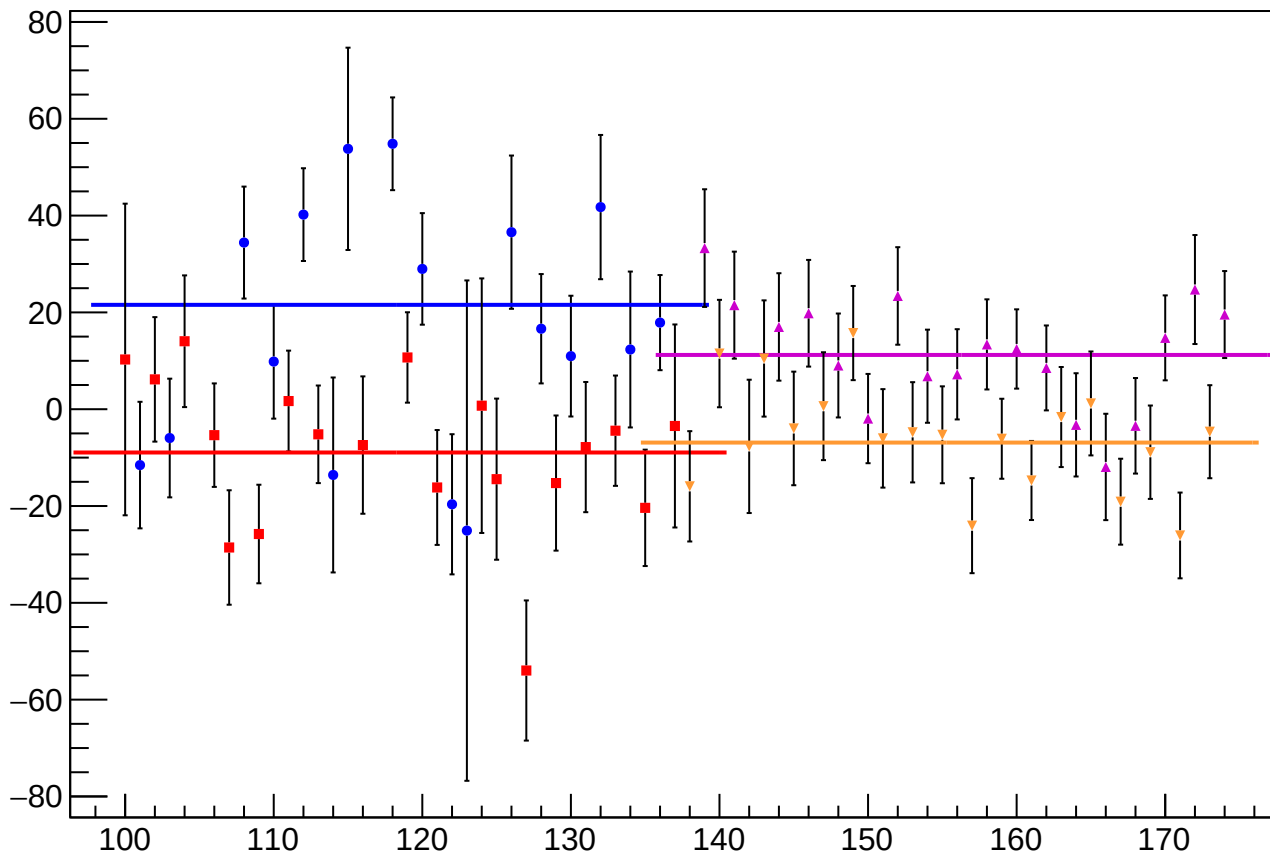
Left In: 1078.205 $\pm$ 0.211 χ^2 /NDF: 1413135.5/17

+ sign 1053.424 $\pm$ 0.167 χ^2 /NDF: 1651500.5/35

All: 1060.673 $\pm$ 0.119 χ^2 /NDF: 3157149.1/72

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

diff_bpm0l08X_mean vs Slug



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

Left Out: -6.892 ± 2.307 $\chi^2/\text{NDF}: 23.0/18$

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

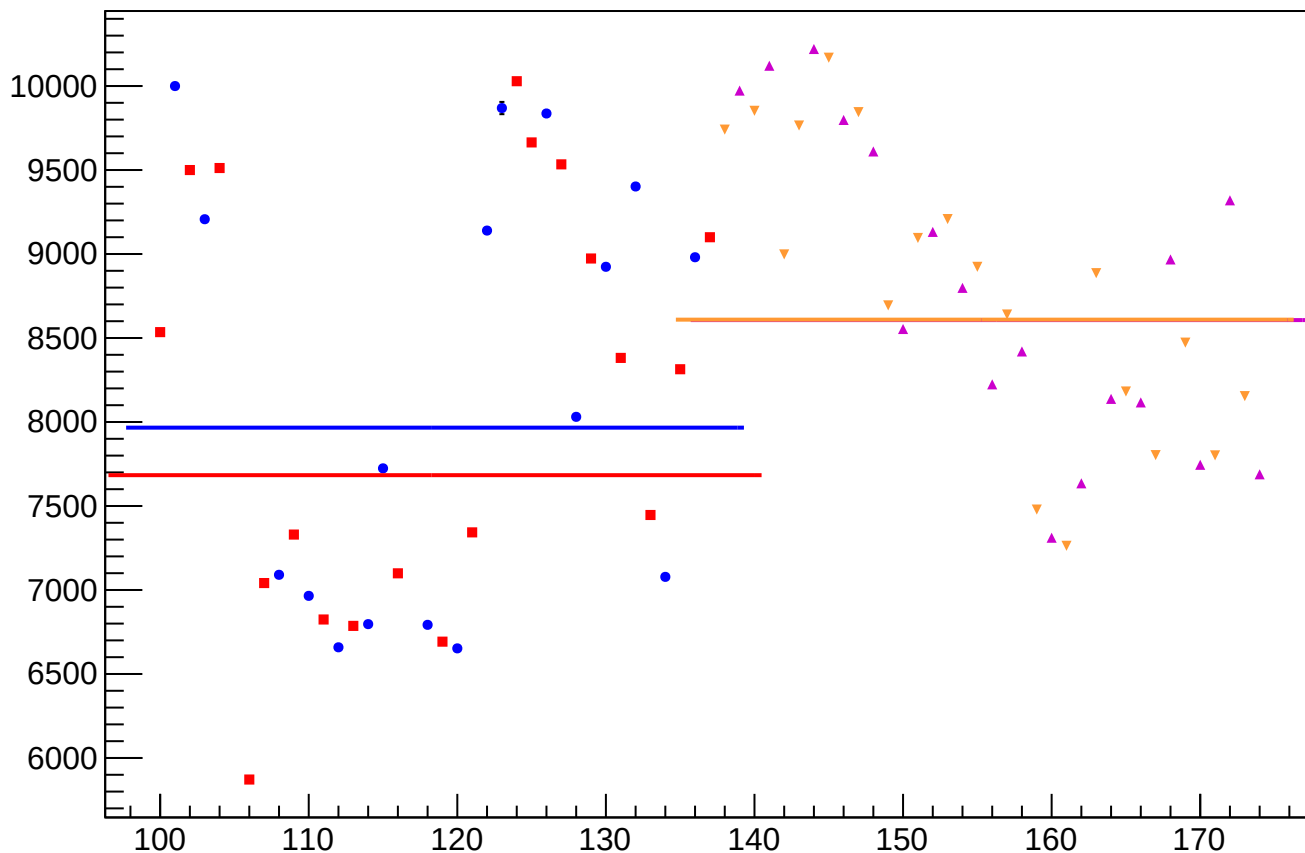
Left In: 11.211 ± 2.332 $\chi^2/\text{NDF}: 20.1/17$

+ sign 3.204 ± 1.853 $\chi^2/\text{NDF}: 125.3/35$

All: 3.272 ± 1.298 $\chi^2/\text{NDF}: 202.1/72$

- sign 3.337 ± 1.820 $\chi^2/\text{NDF}: 76.7/36$

diff_bpm0l08X_rms vs Slug



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

Left Out: 8609.255 $\pm$ 1.631 χ^2 /NDF: 272638.4/18

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

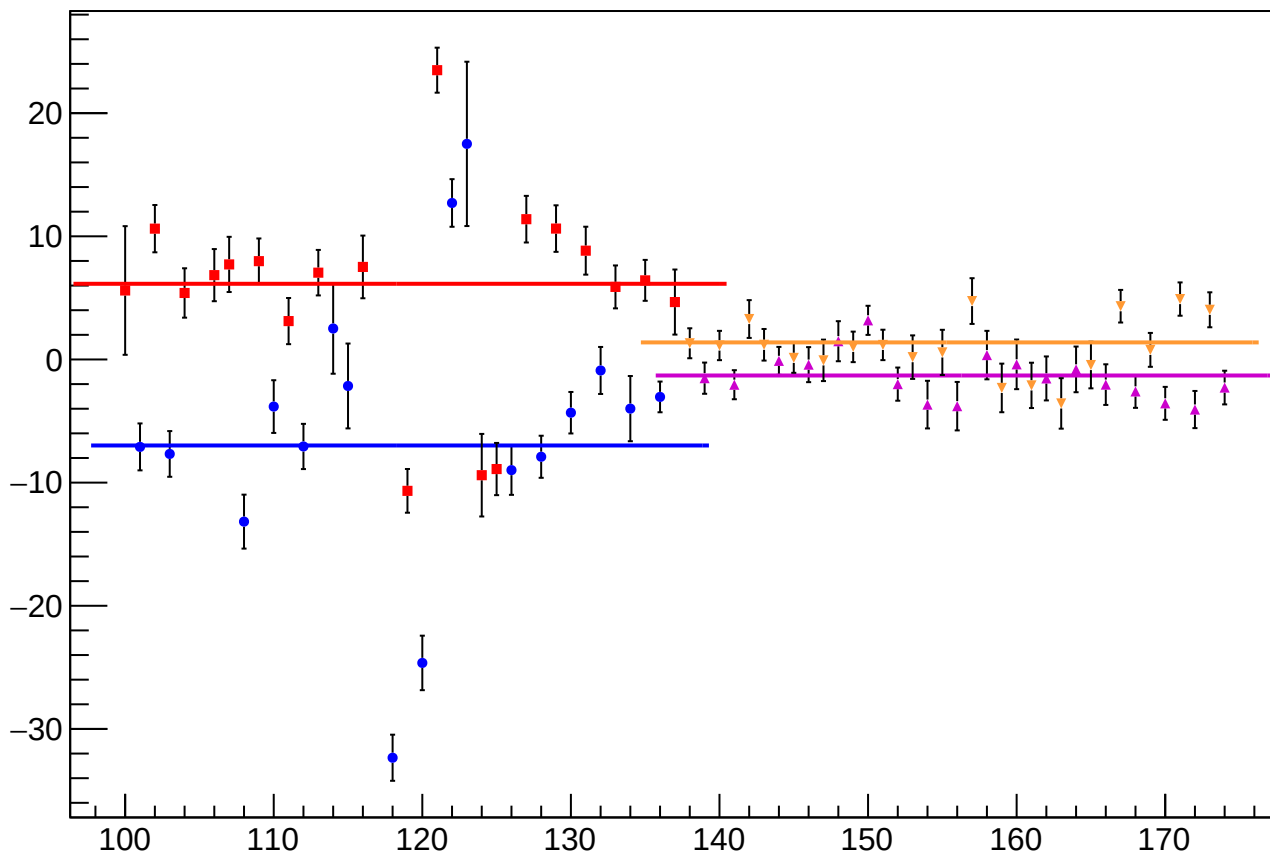
Left In: 8606.616 $\pm$ 1.649 χ^2 /NDF: 289666.1/17

+ sign 8381.152 $\pm$ 1.310 χ^2 /NDF: 624368.7/35

All: 8312.357 $\pm$ 0.918 χ^2 /NDF: 1356968.1/72

- 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: 1.385 ± 0.336 χ^2/NDF : 36.7/18

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

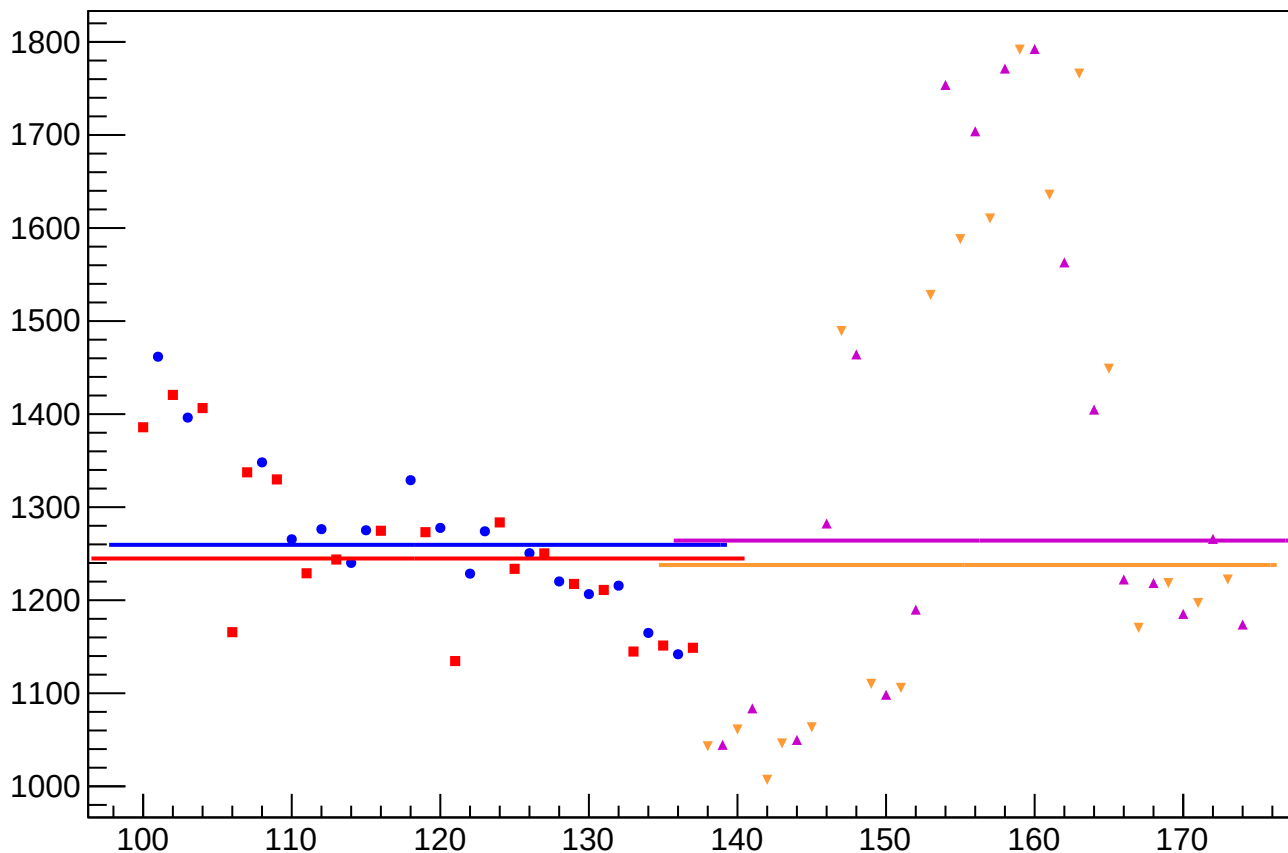
Left In: -1.301 ± 0.346 χ^2/NDF : 31.4/17

+ sign -1.317 ± 0.276 χ^2/NDF : 645.9/35

All: 0.003 ± 0.196 χ^2/NDF : 1165.1/72

- 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: 1237.842 $\pm$ 0.237 χ^2 /NDF: 939302.1/18

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

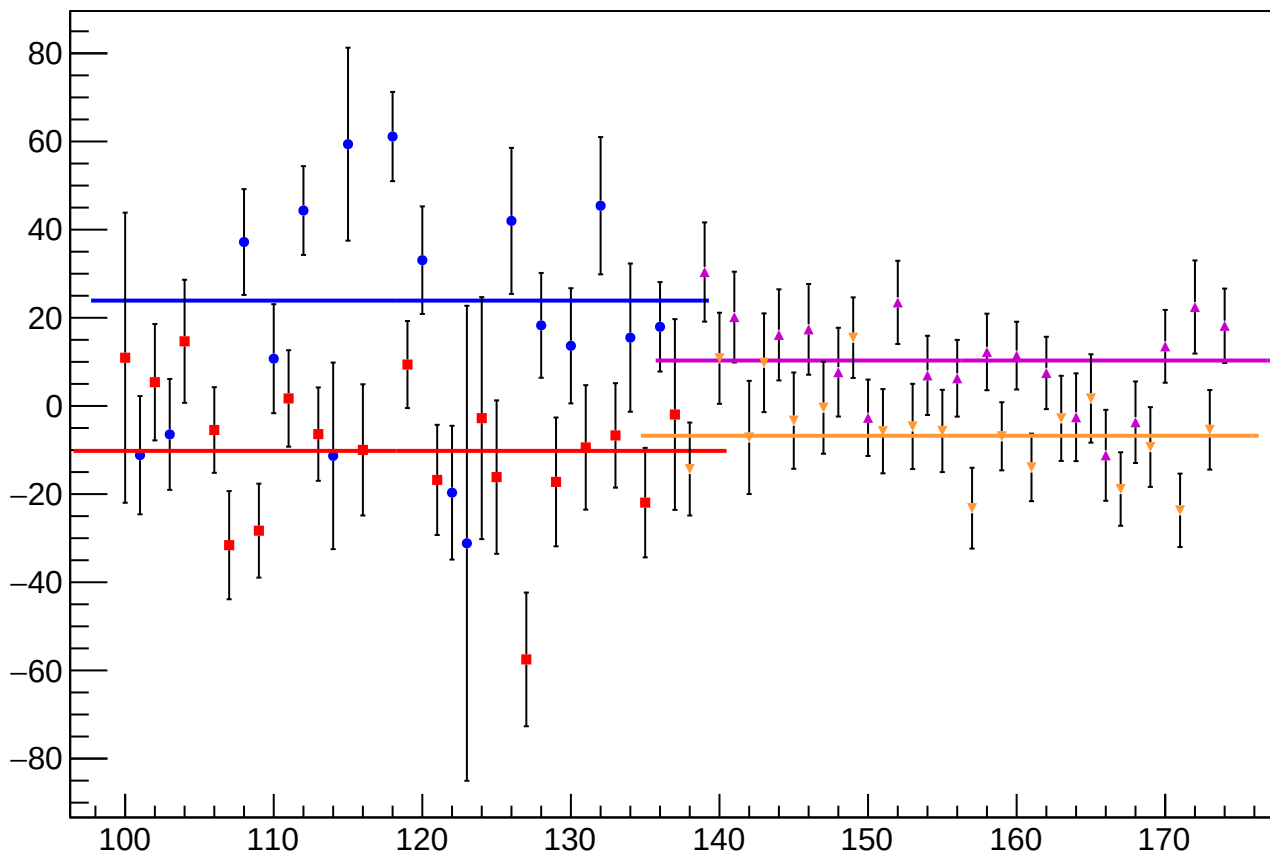
Left In: 1264.105 $\pm$ 0.245 χ^2 /NDF: 839439.2/17

+ sign 1244.845 $\pm$ 0.195 χ^2 /NDF: 1006841.7/35

All: 1251.021 $\pm$ 0.139 χ^2 /NDF: 1917319.0/72

- 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: -6.759 ± 2.158 $\chi^2/\text{NDF}: 23.4/18$

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

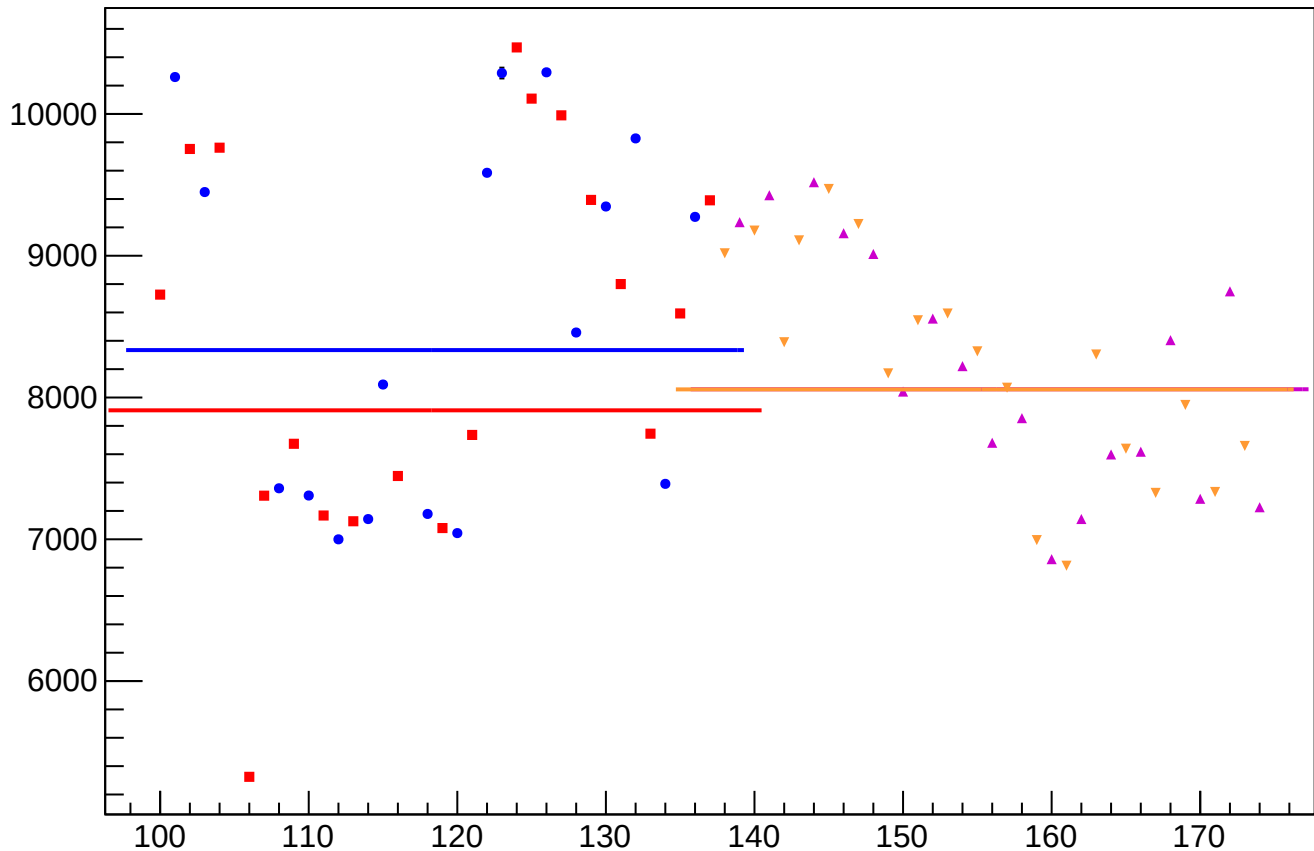
Left In: 10.310 ± 2.182 $\chi^2/\text{NDF}: 20.3/17$

+ sign 2.622 ± 1.798 $\chi^2/\text{NDF}: 137.6/35$

All: 2.933 ± 1.260 $\chi^2/\text{NDF}: 216.4/72$

- 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: 8057.323+/-1.526 χ^2/NDF : 260709.5/18

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

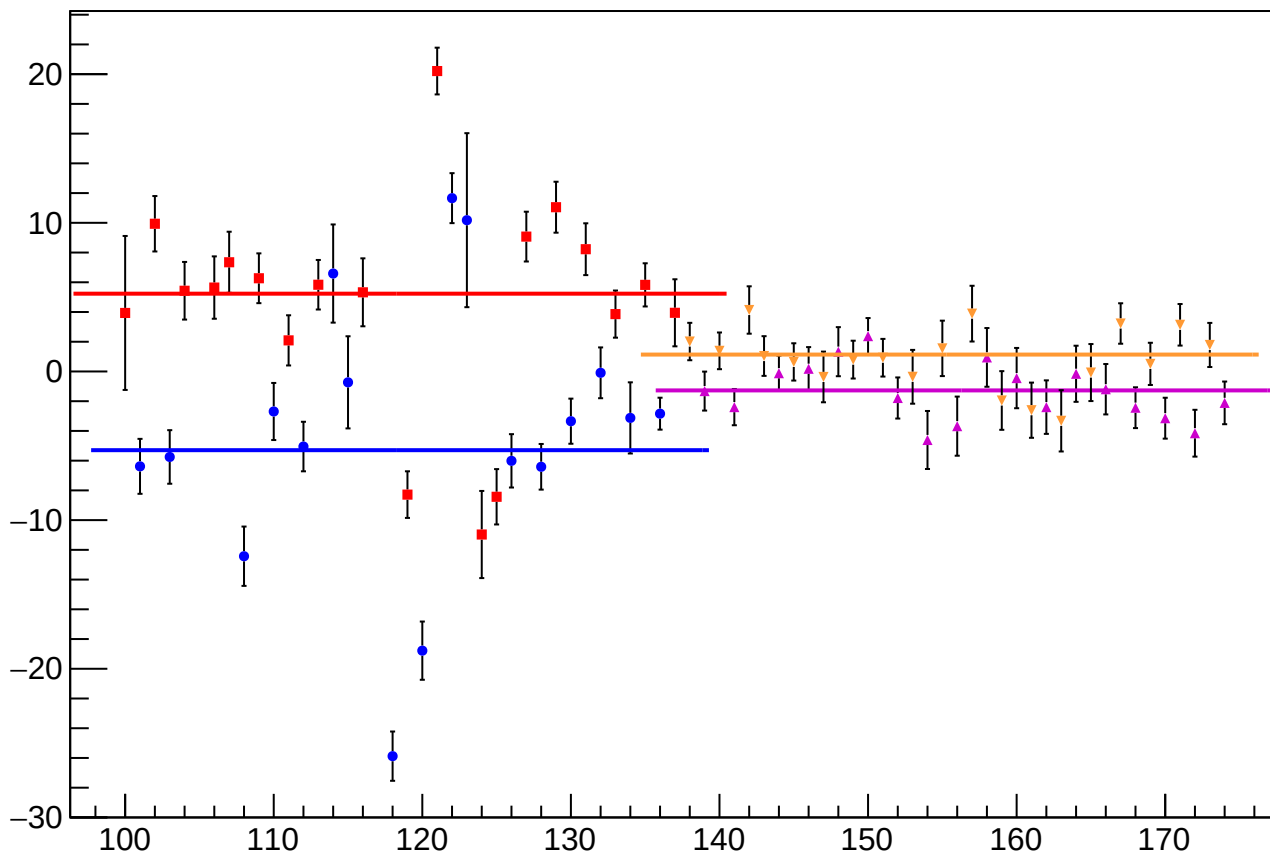
Left In: 8058.179+/-1.543 χ^2/NDF : 278833.2/17

+ sign 8142.127+/-1.271 χ^2/NDF : 543105.5/35

All: 8073.295+/-0.891 χ^2/NDF : 1221716.2/72

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

diff_bpm0l09Y_mean vs Slug



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

Left Out: 1.136 ± 0.345 $\chi^2/\text{NDF}: 24.4/18$

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

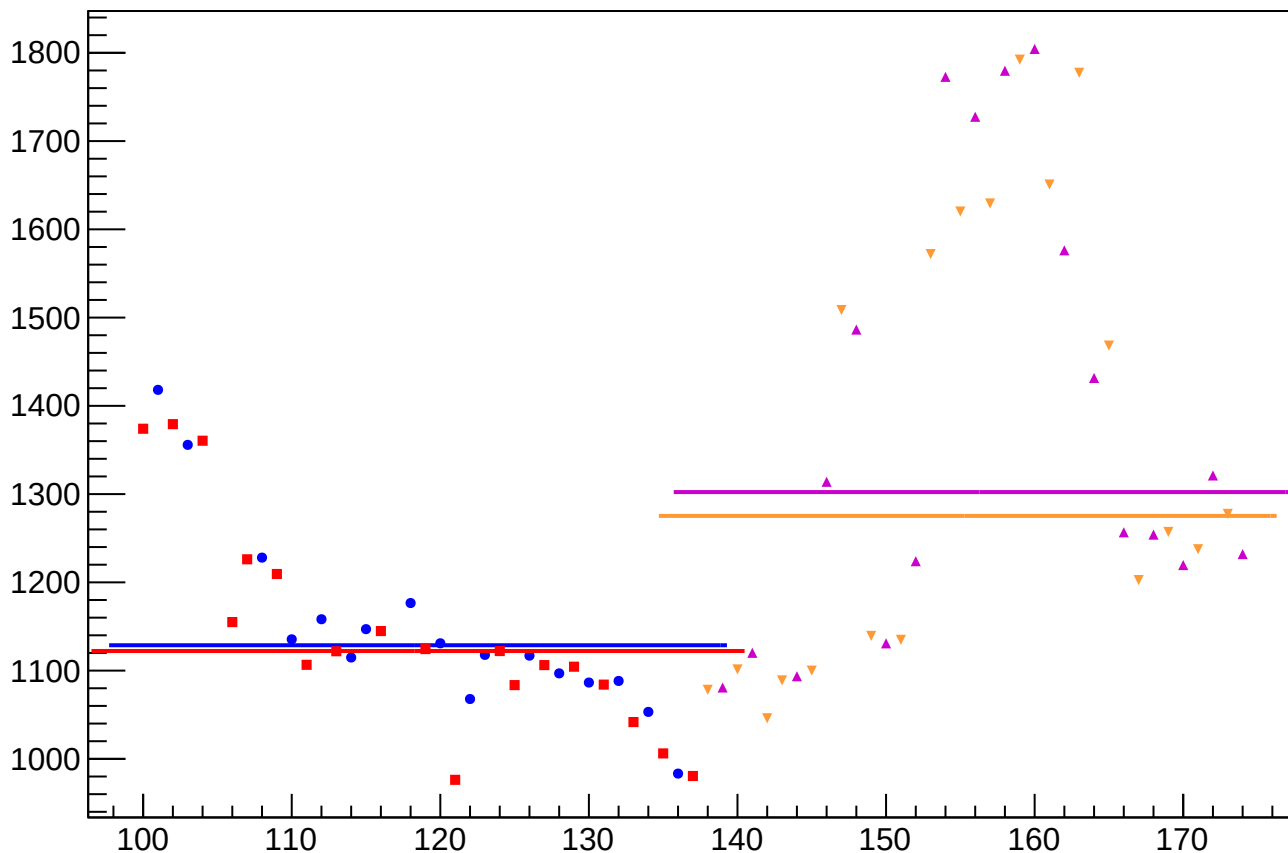
Left In: -1.274 ± 0.356 $\chi^2/\text{NDF}: 27.3/17$

+ sign -1.335 ± 0.271 $\chi^2/\text{NDF}: 516.0/35$

All: 0.042 ± 0.192 $\chi^2/\text{NDF}: 1016.2/72$

- sign 1.430 ± 0.272 $\chi^2/\text{NDF}: 448.3/36$

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1275.300 $\pm$ 0.244 χ^2 /NDF: 851895.1/18

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

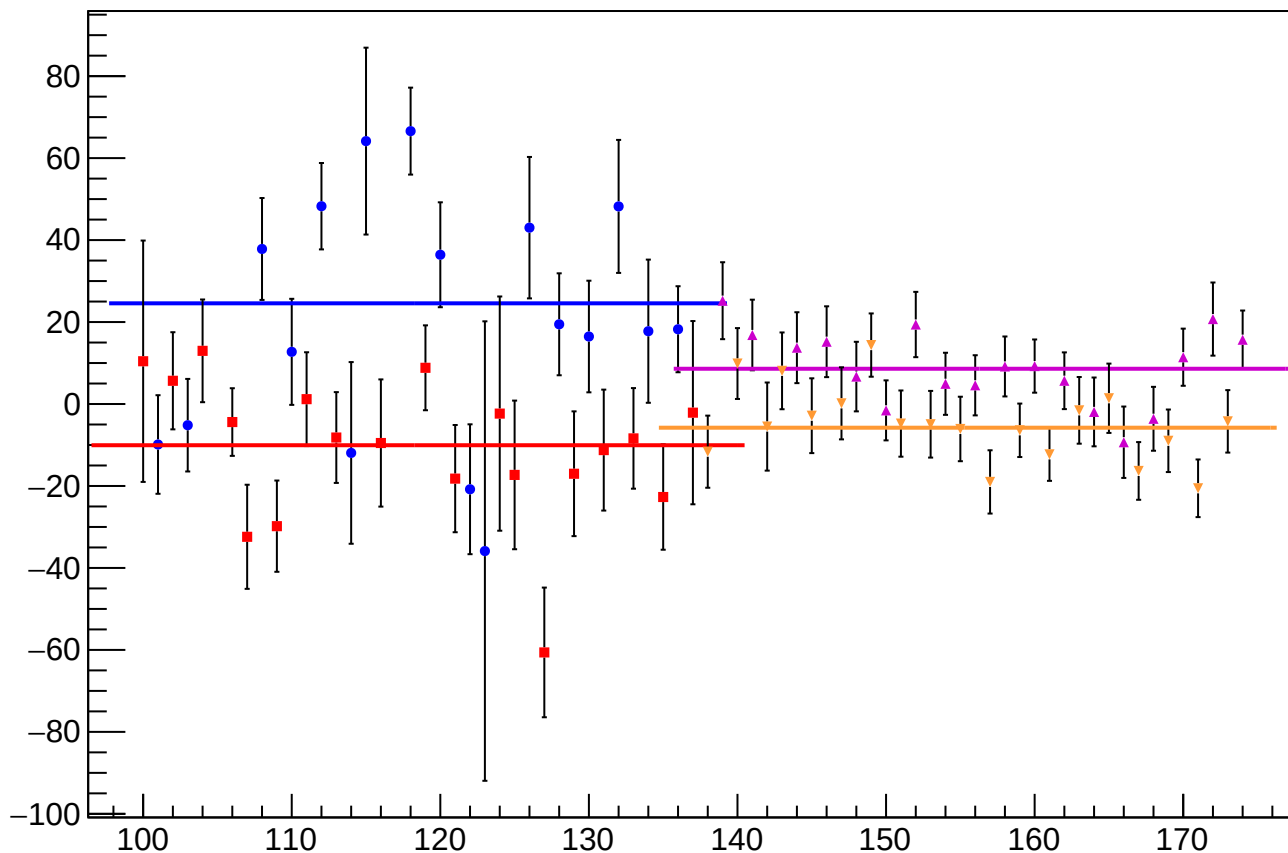
Left In: 1302.295 $\pm$ 0.251 χ^2 /NDF: 754251.9/17

+ sign 1218.983 $\pm$ 0.191 χ^2 /NDF: 1123607.6/35

All: 1223.206 $\pm$ 0.136 χ^2 /NDF: 2221565.2/72

- 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: -5.780 ± 1.817 $\chi^2/\text{NDF}: 25.2/18$

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

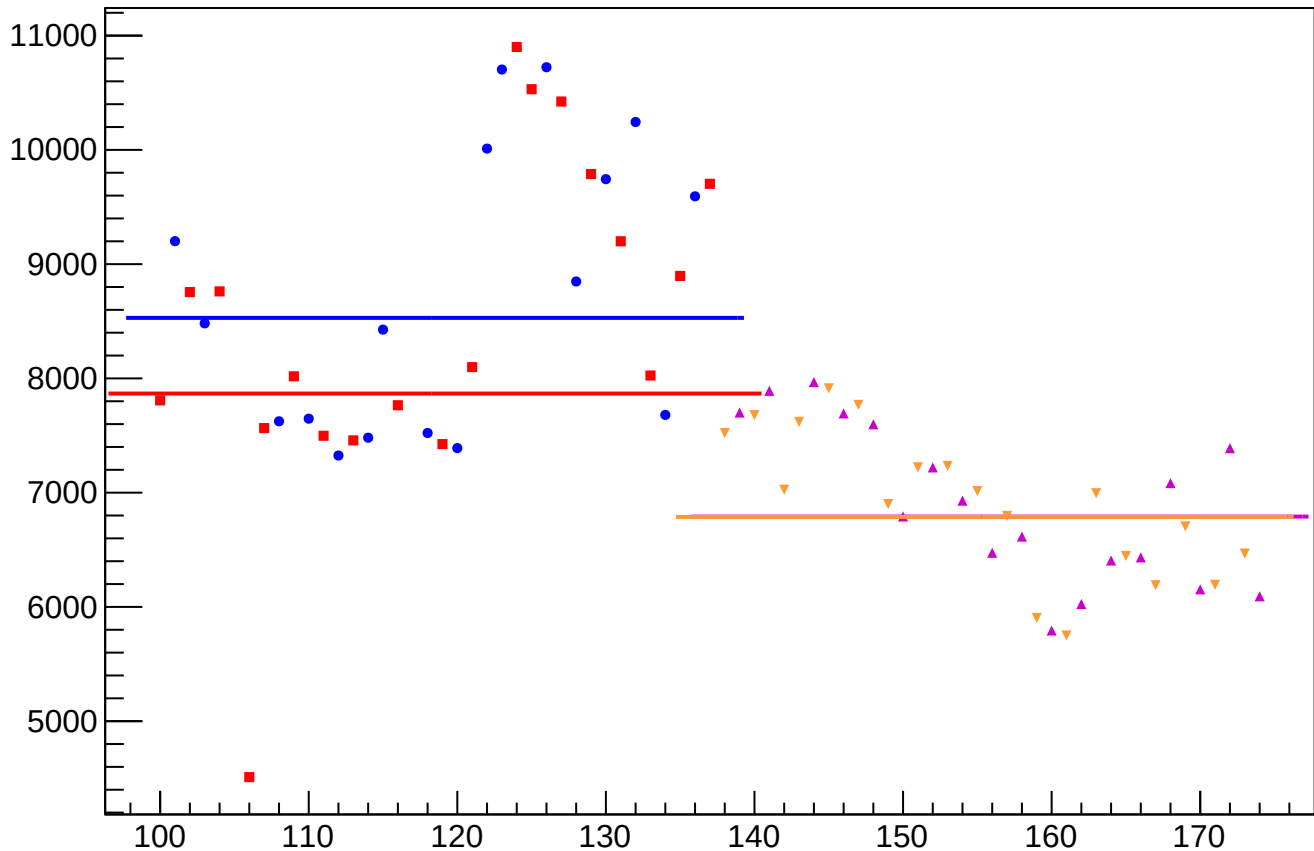
Left In: 8.602 ± 1.838 $\chi^2/\text{NDF}: 20.8/17$

+ sign 1.223 ± 1.594 $\chi^2/\text{NDF}: 147.6/35$

All: 2.393 ± 1.118 $\chi^2/\text{NDF}: 226.3/72$

- 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: 6787.460+/-1.285 χ^2/NDF : 246372.5/18

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

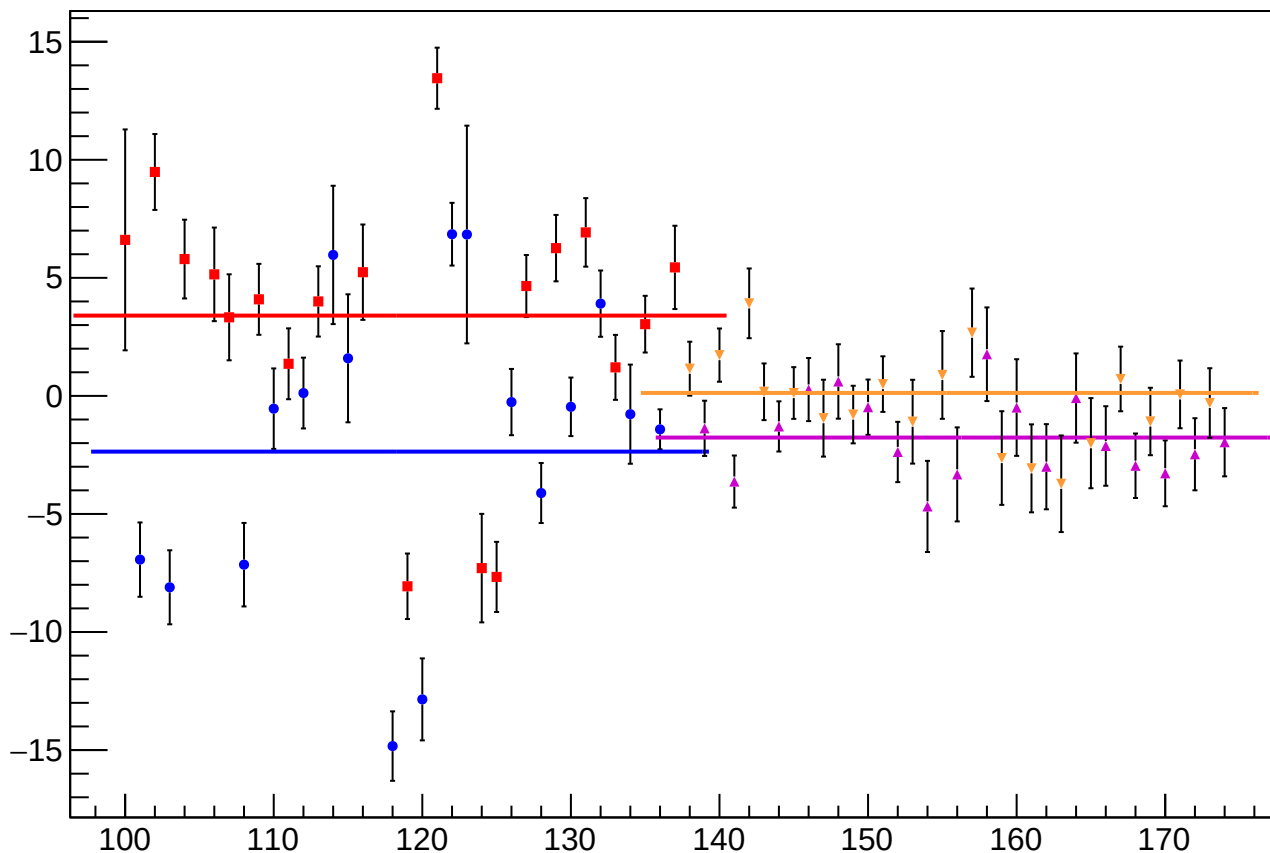
Left In: 6790.507+/-1.300 χ^2/NDF : 266786.1/17

+ sign 7189.510+/-1.127 χ^2/NDF : 878863.3/35

All: 7135.646+/-0.791 χ^2/NDF : 1892708.1/72

- 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: 0.126 ± 0.329 χ^2/NDF : 23.7/18

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

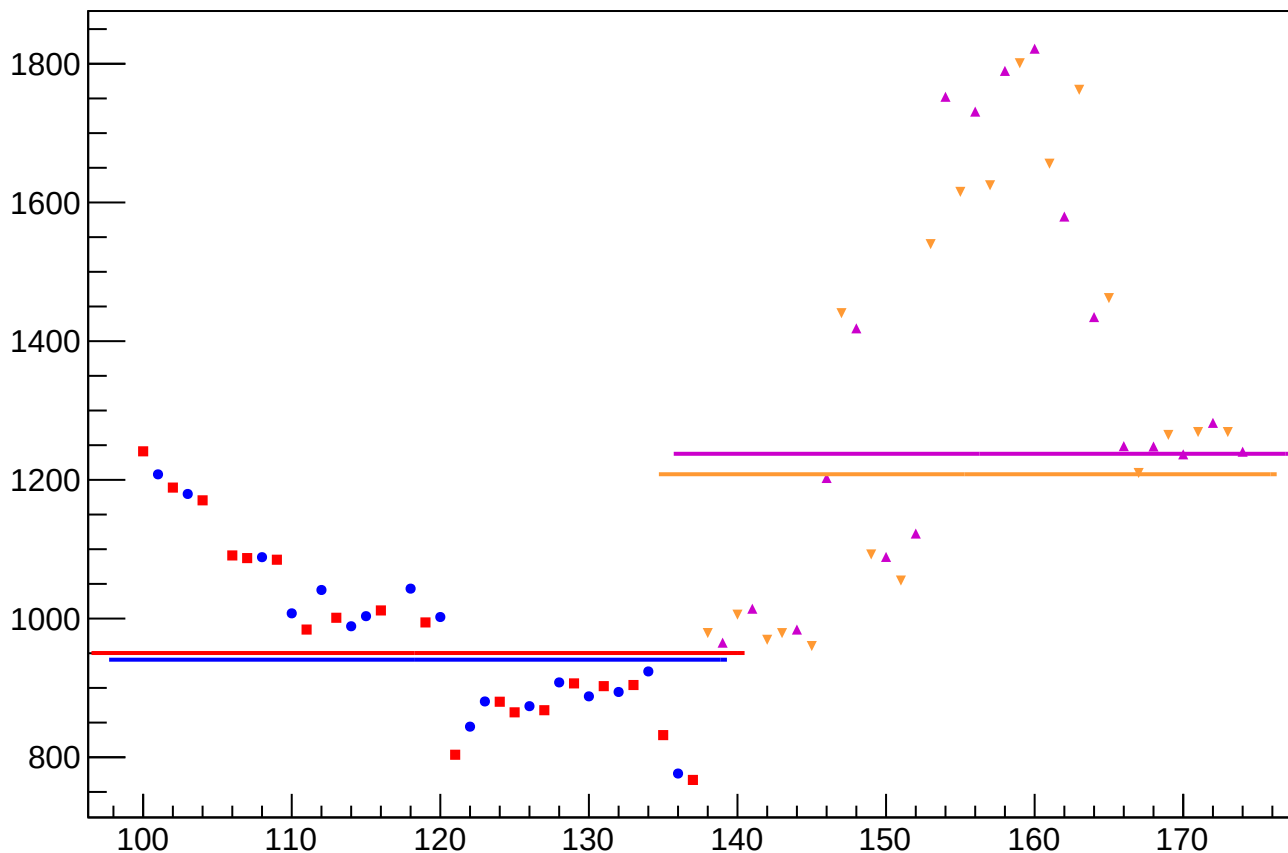
Left In: -1.764 ± 0.340 χ^2/NDF : 19.1/17

+ sign -0.987 ± 0.245 χ^2/NDF : 281.2/35

All: -0.158 ± 0.174 χ^2/NDF : 674.3/72

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

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1208.117+/-0.233 χ^2/NDF : 1217133.2/18

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

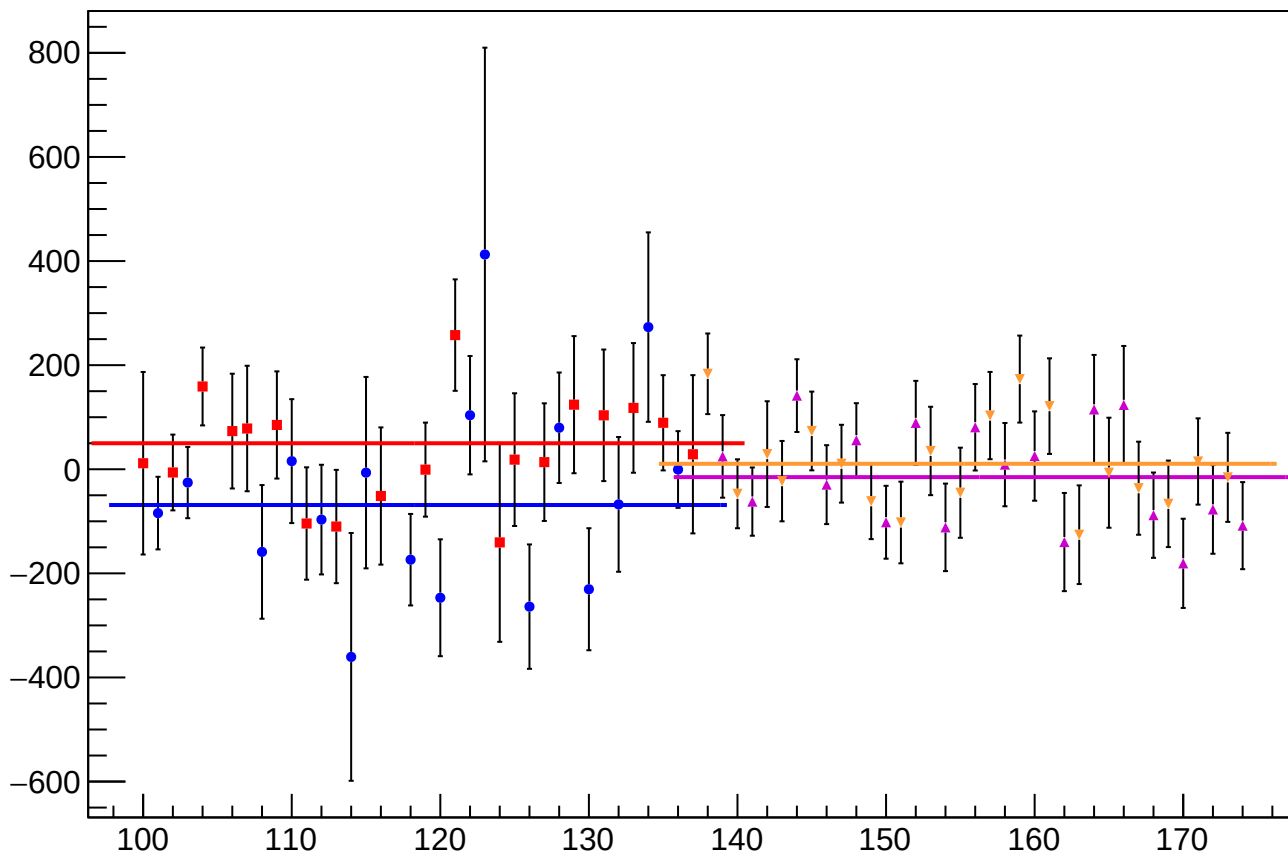
Left In: 1237.603+/-0.240 χ^2/NDF : 1058792.0/17

+ sign 1088.401+/-0.173 χ^2/NDF : 2050179.1/35

All: 1094.876+/-0.123 χ^2/NDF : 4009321.5/72

- sign 1101.458+/-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: 10.520 ± 18.920 χ^2/NDF : 20.0/18

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

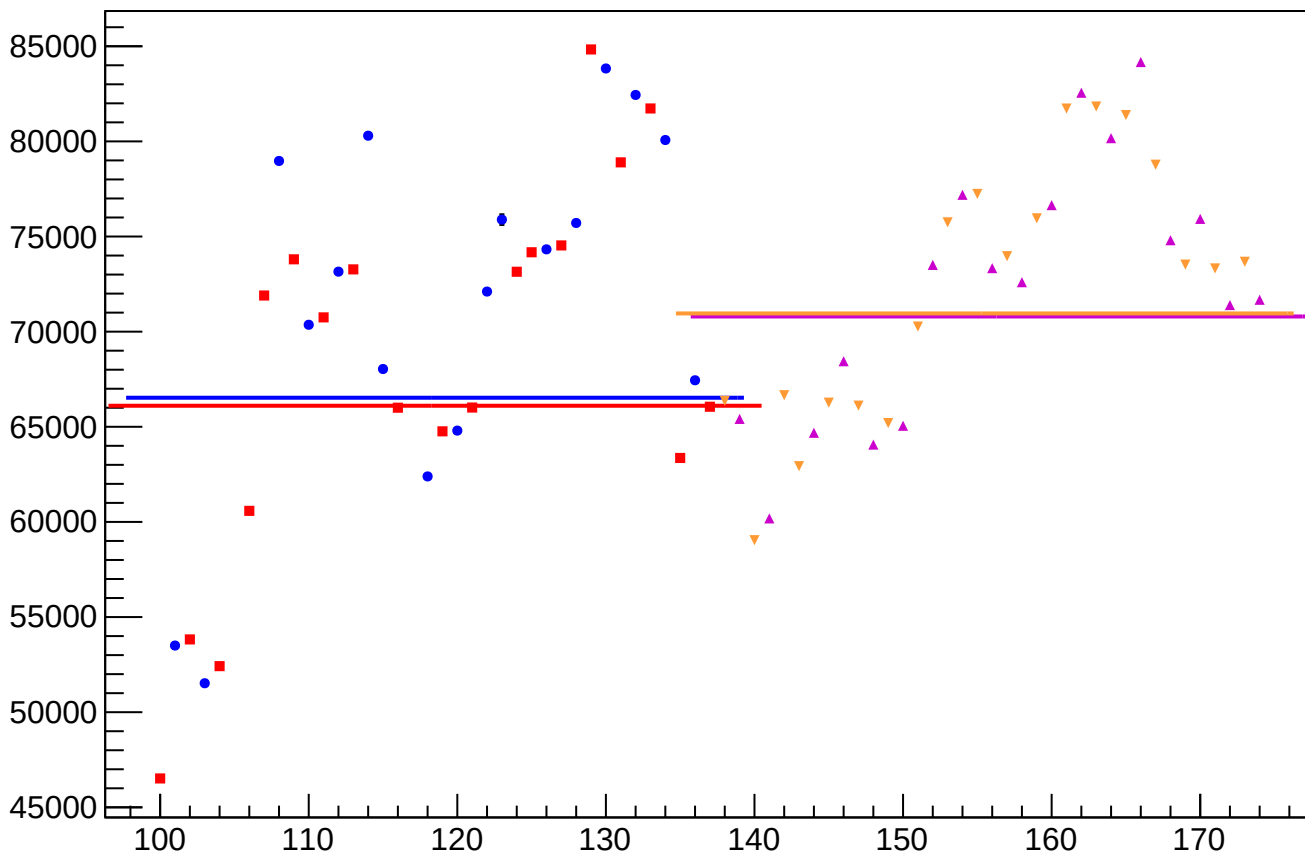
Left In: -15.117 ± 19.068 χ^2/NDF : 24.1/17

+ sign -16.978 ± 15.287 χ^2/NDF : 47.8/35

All: -3.989 ± 10.767 χ^2/NDF : 91.6/72

- 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: 70957.195+/-13.379 χ^2/NDF : 246571.2/18

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

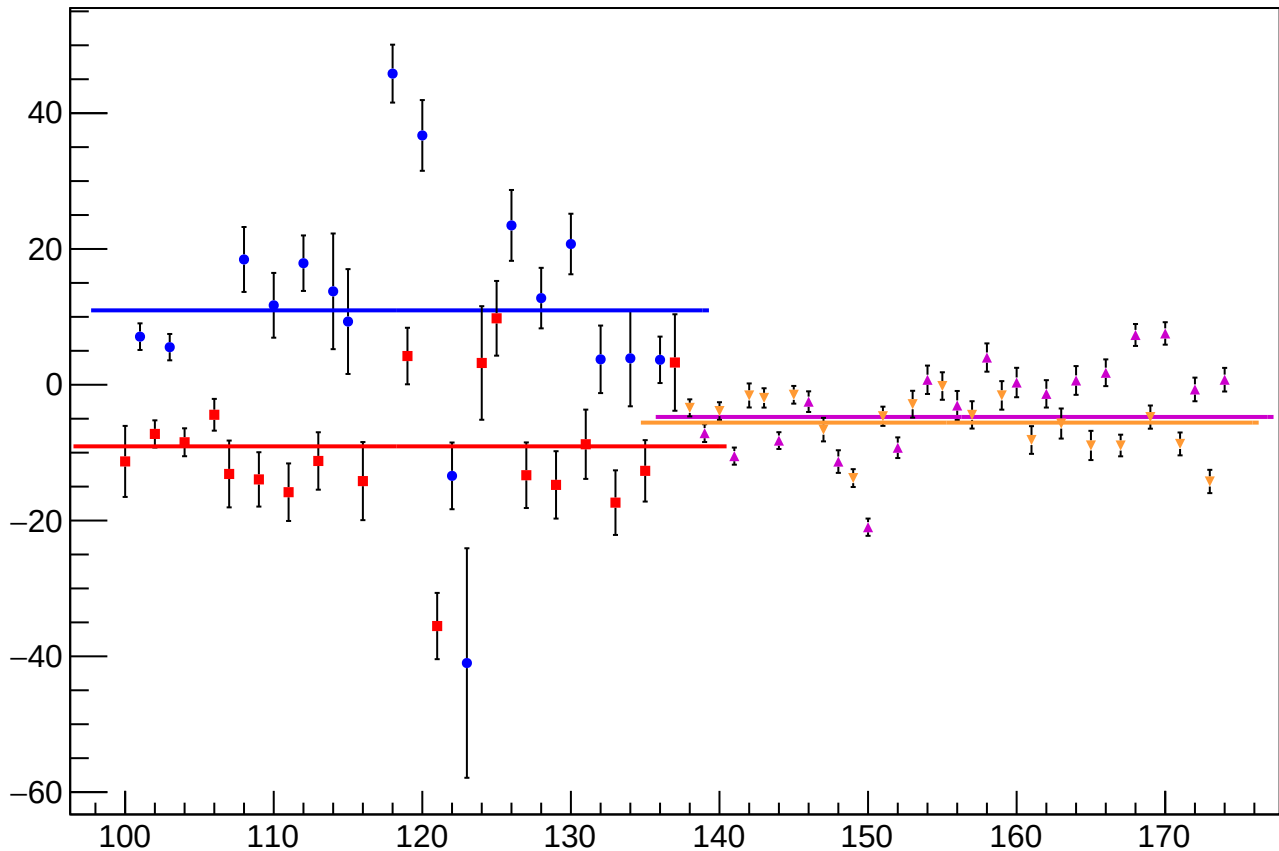
Left In: 70797.245+/-13.483 χ^2/NDF : 223396.1/17

+ sign 69419.299+/-10.810 χ^2/NDF : 605520.8/35

All: 69245.024+/-7.613 χ^2/NDF : 1172400.2/7

- 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: -5.577 ± 0.375 χ^2/NDF : 116.3/18

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

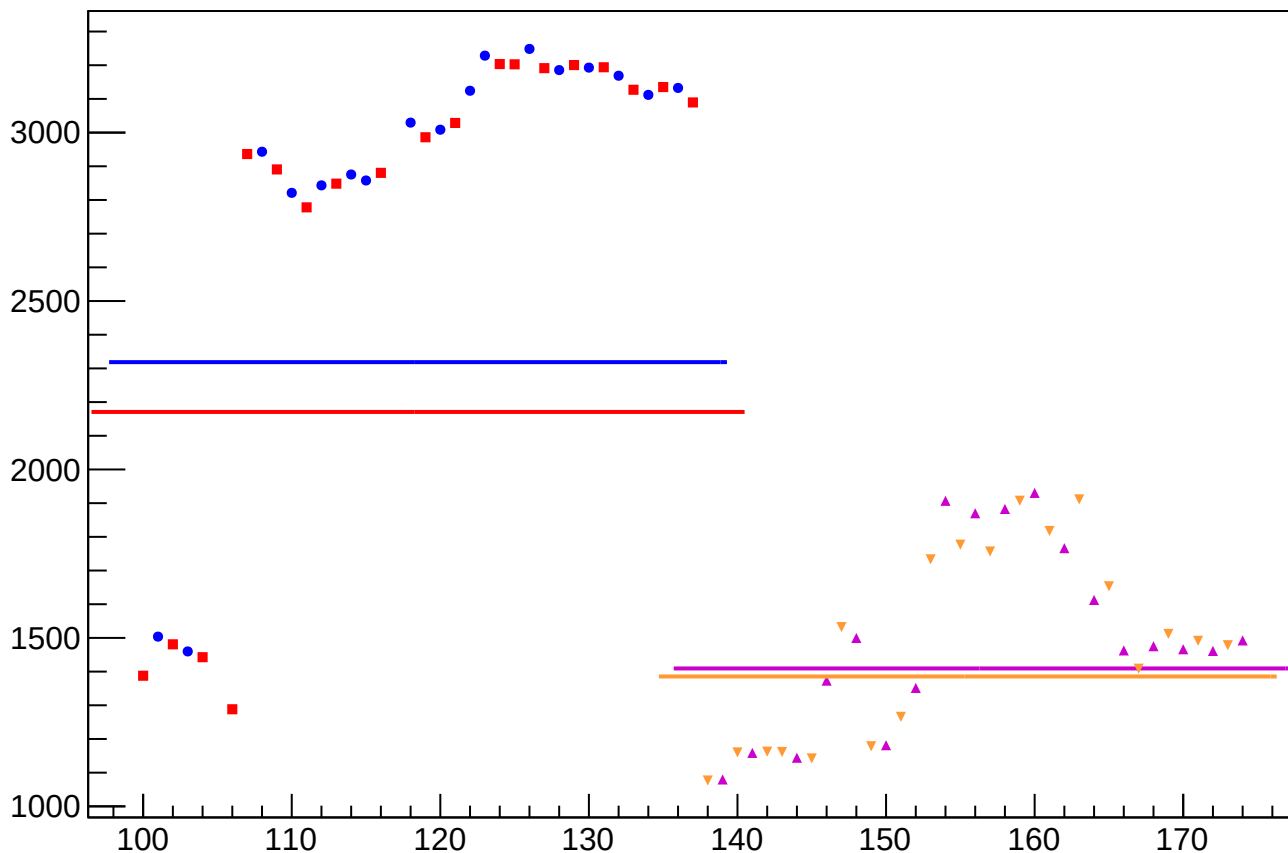
Left In: -4.741 ± 0.385 χ^2/NDF : 399.4/17

+ sign -3.317 ± 0.349 χ^2/NDF : 542.5/35

All: -4.376 ± 0.248 χ^2/NDF : 1054.5/72

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

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1385.459 $\pm$ 0.265 χ^2 /NDF: 996429.0/18

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

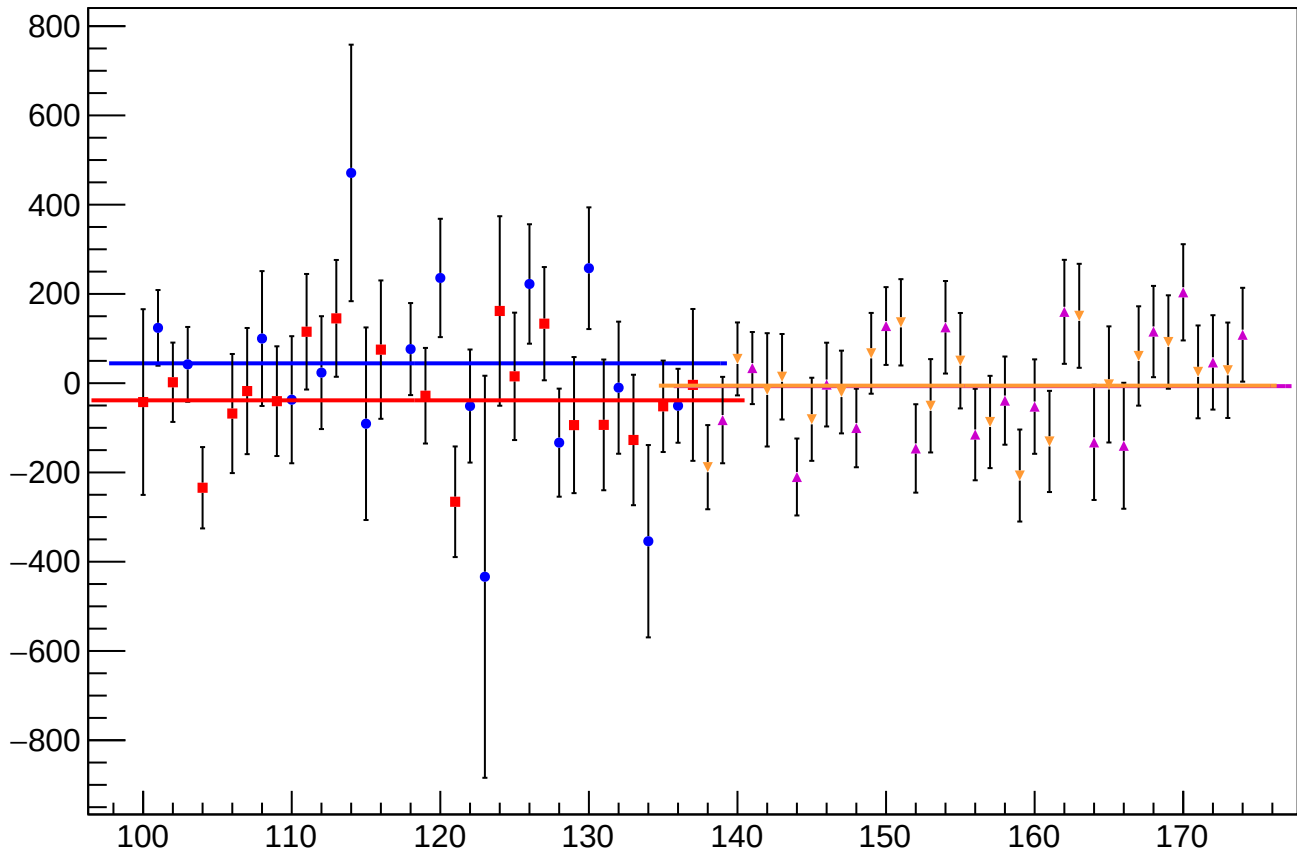
Left In: 1409.351 $\pm$ 0.272 χ^2 /NDF: 891719.4/17

+ sign 1513.005 $\pm$ 0.247 χ^2 /NDF: 4094883.9/35

All: 1523.933 $\pm$ 0.175 χ^2 /NDF: 8034128.9/72

- sign 1535.071 $\pm$ 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: -5.529 $\pm$ 23.422 χ^2 /NDF:17.1/18

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

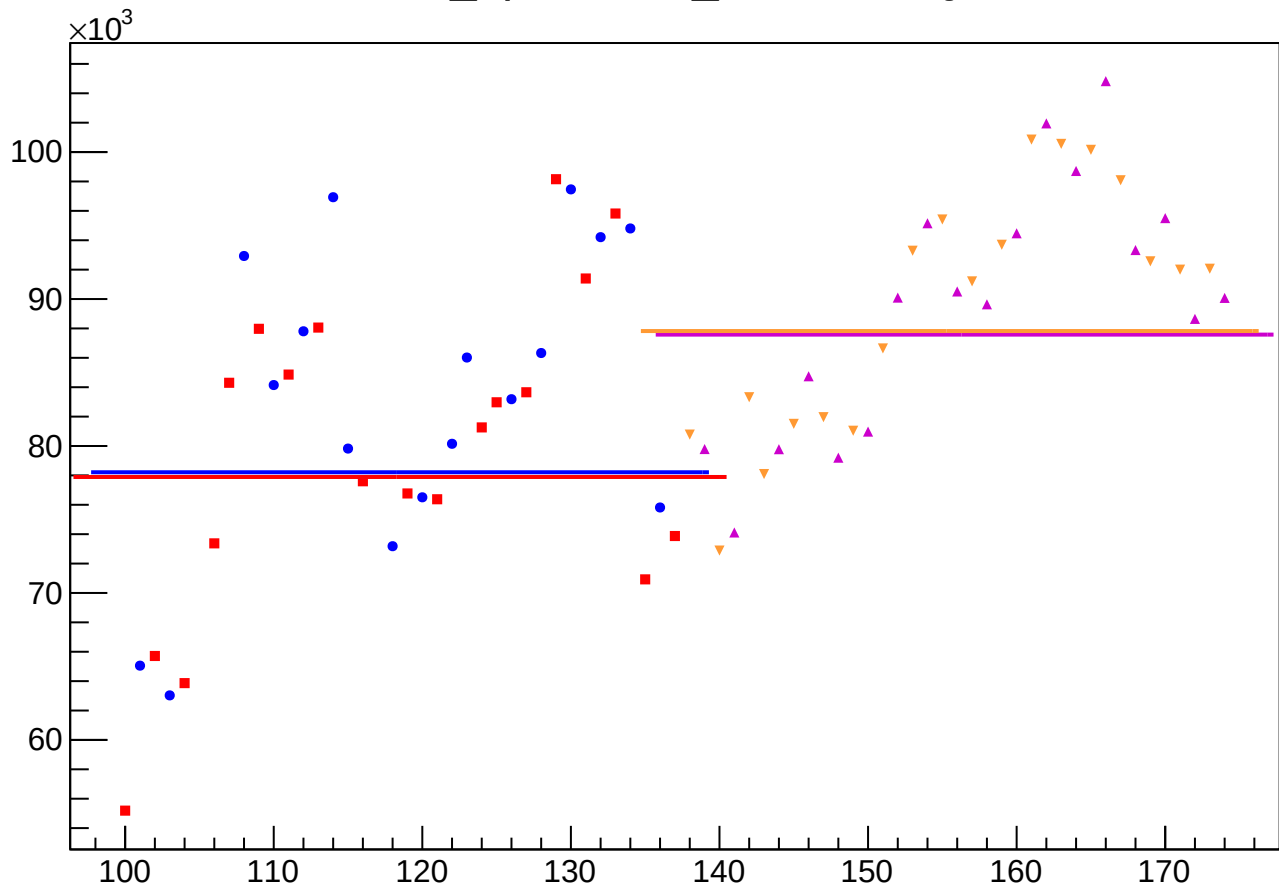
Left In: -6.626 $\pm$ 23.596 χ^2 /NDF:25.6/17

+ sign 13.076 $\pm$ 18.561 χ^2 /NDF: 37.9/35

All: -3.126 $\pm$ 13.071 χ^2 /NDF: 81.5/72

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

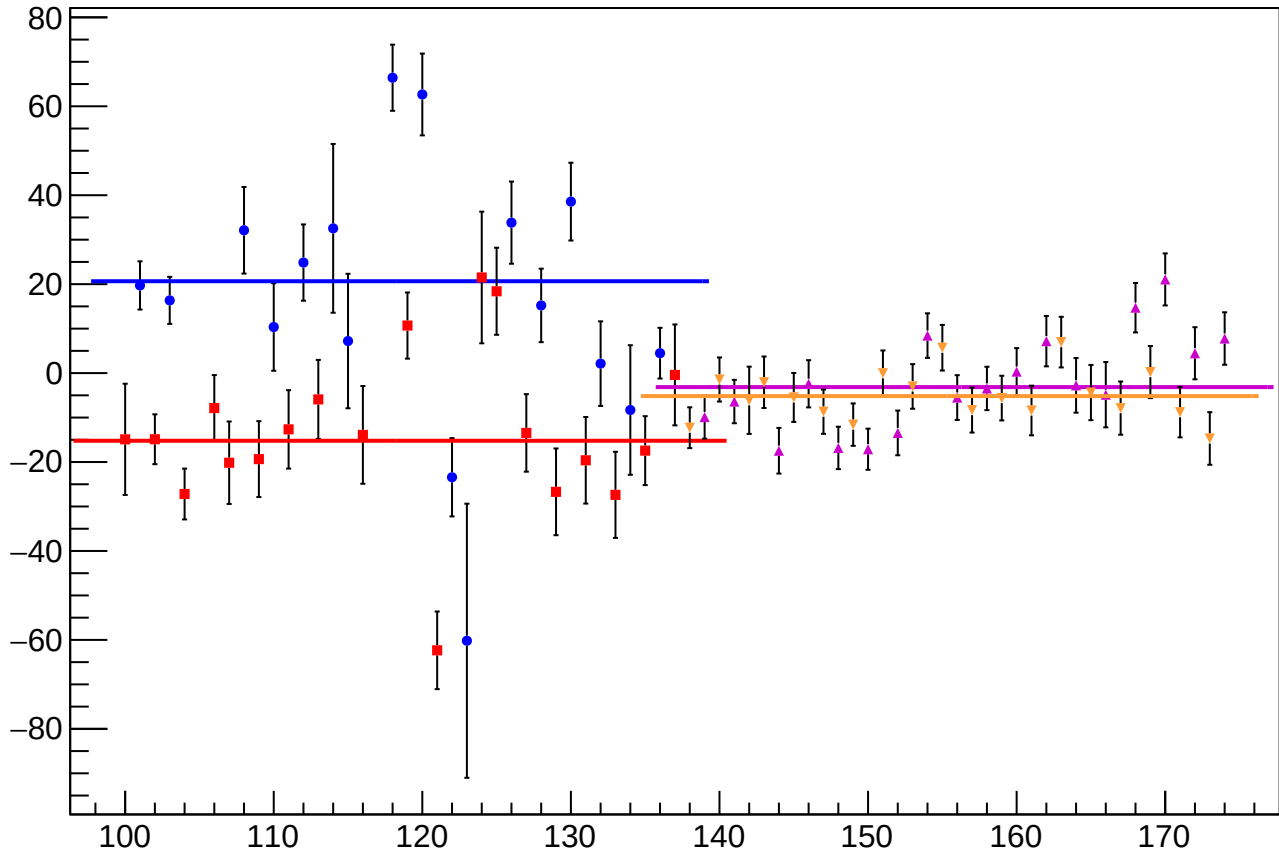
diff_bpm0r05X_rms vs Slug



Right In: 78213.025 $\pm$ 21.519 χ^2 /NDF: 251056.7/16
 Left Out: 87821.705 $\pm$ 16.562 χ^2 /NDF: 249756.5/18
 Right Out: 77891.938 $\pm$ 20.814 χ^2 /NDF: 246970.2/18
 Left In: 87579.640 $\pm$ 16.685 χ^2 /NDF: 232939.8/17

+ sign 84247.276 $\pm$ 13.125 χ^2 /NDF: 626029.9/35
 All: 84016.652 $\pm$ 9.243 χ^2 /NDF: 1238442.9/7
 - sign 83789.748 $\pm$ 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: -5.171 ± 1.238 χ^2/NDF : 20.6/18

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

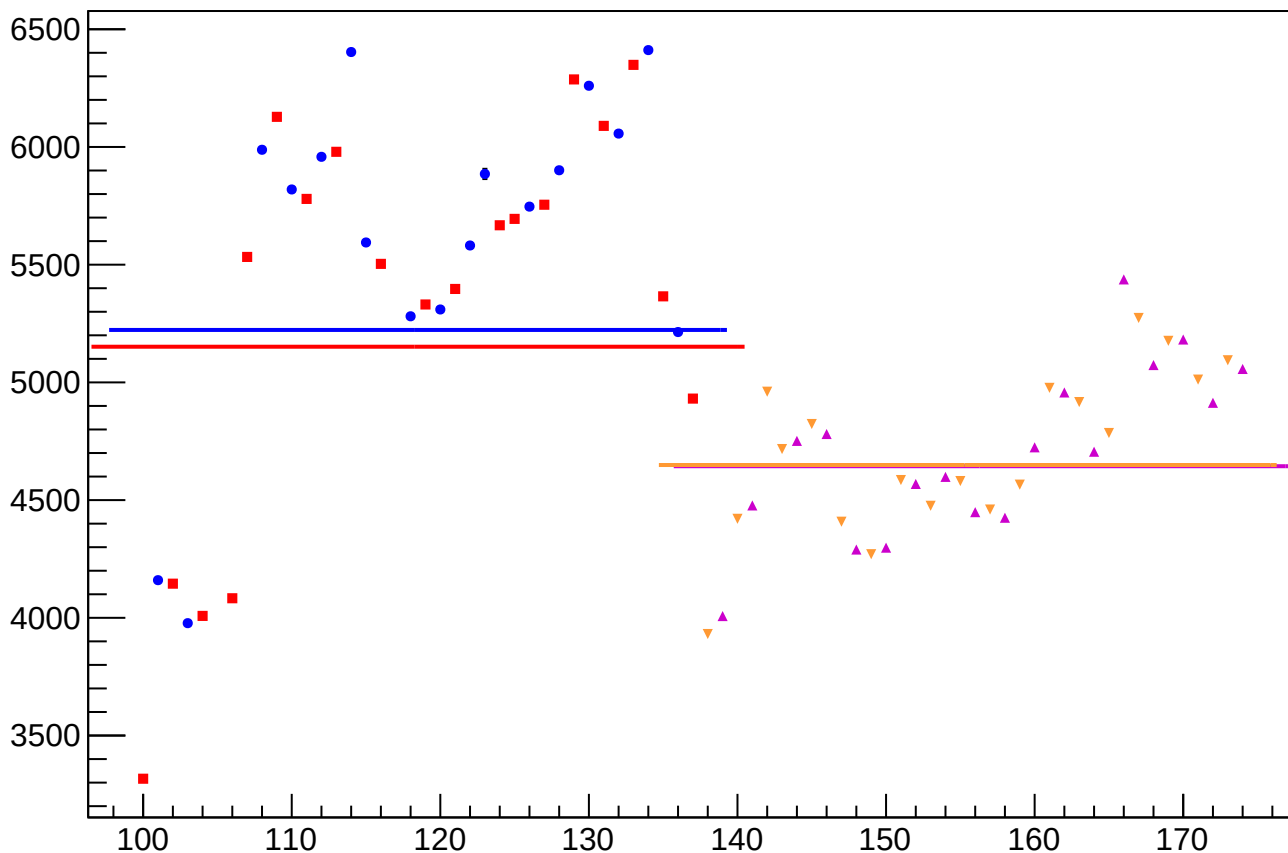
Left In: -3.147 ± 1.249 χ^2/NDF : 73.7/17

+ sign 1.798 ± 1.058 χ^2/NDF : 255.9/35

All: -2.444 ± 0.746 χ^2/NDF : 459.9/72

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

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4649.073+/-0.875 χ^2/NDF : 152375.3/18

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

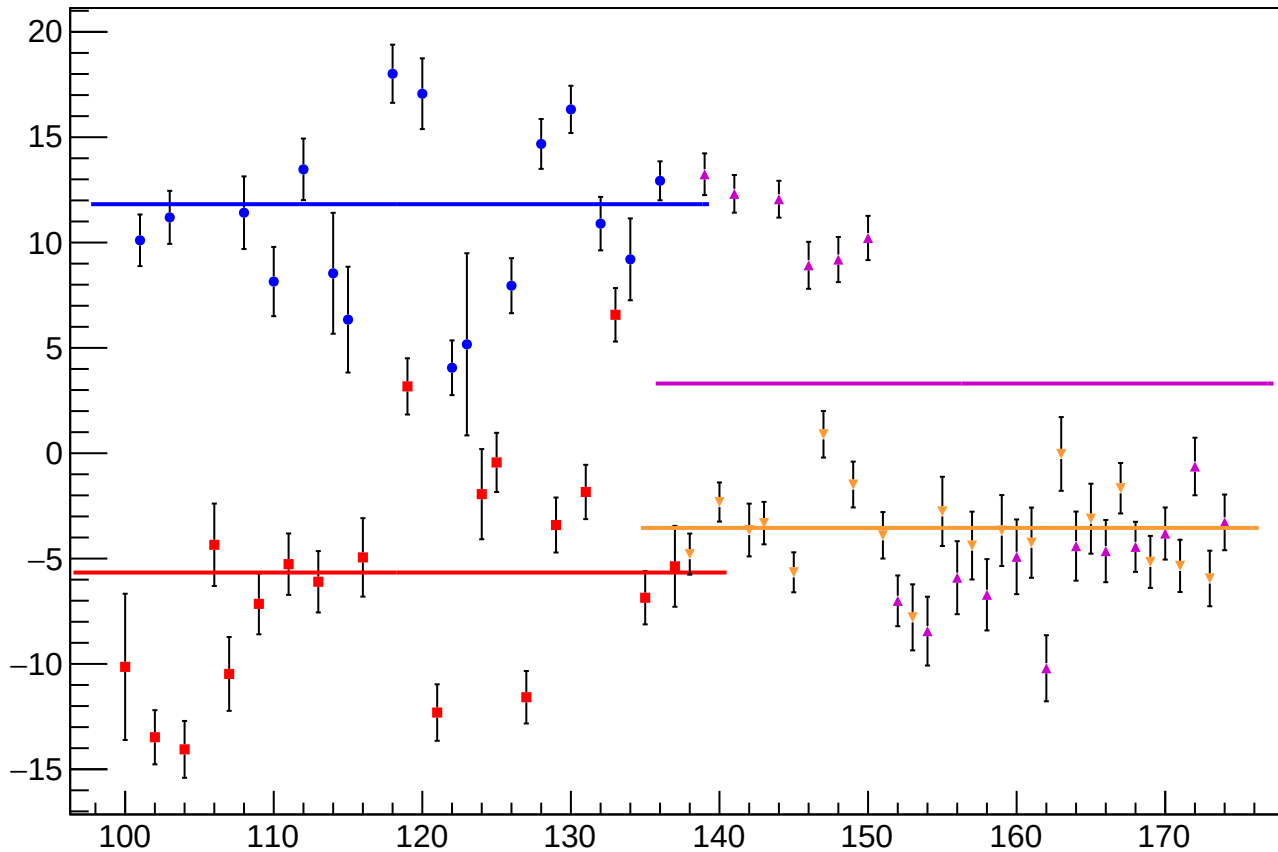
Left In: 4643.938+/-0.883 χ^2/NDF : 141587.2/17

+ sign 4803.862+/-0.748 χ^2/NDF : 580837.1/35

All: 4797.480+/-0.528 χ^2/NDF : 1206004.4/72

- sign 4791.157+/-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: -3.545 ± 0.282 $\chi^2/\text{NDF}: 50.0/18$

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

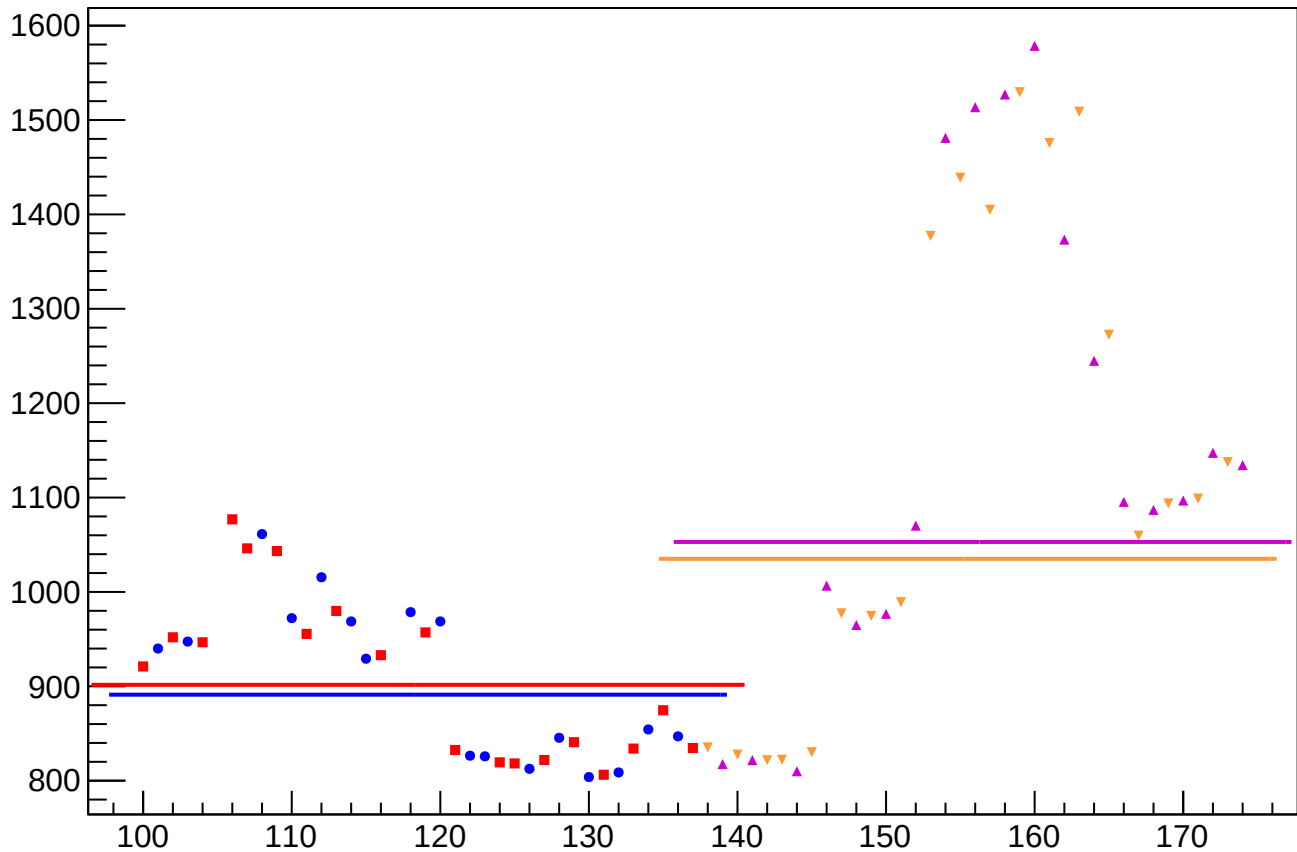
Left In: 3.309 ± 0.290 $\chi^2/\text{NDF}: 845.0/17$

+ sign 2.620 ± 0.218 $\chi^2/\text{NDF}: 1358.3/35$

All: 1.082 ± 0.155 $\chi^2/\text{NDF}: 3009.4/72$

- 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: 1035.098 ± 0.199 $\chi^2/\text{NDF}: 1283838.6/18$

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

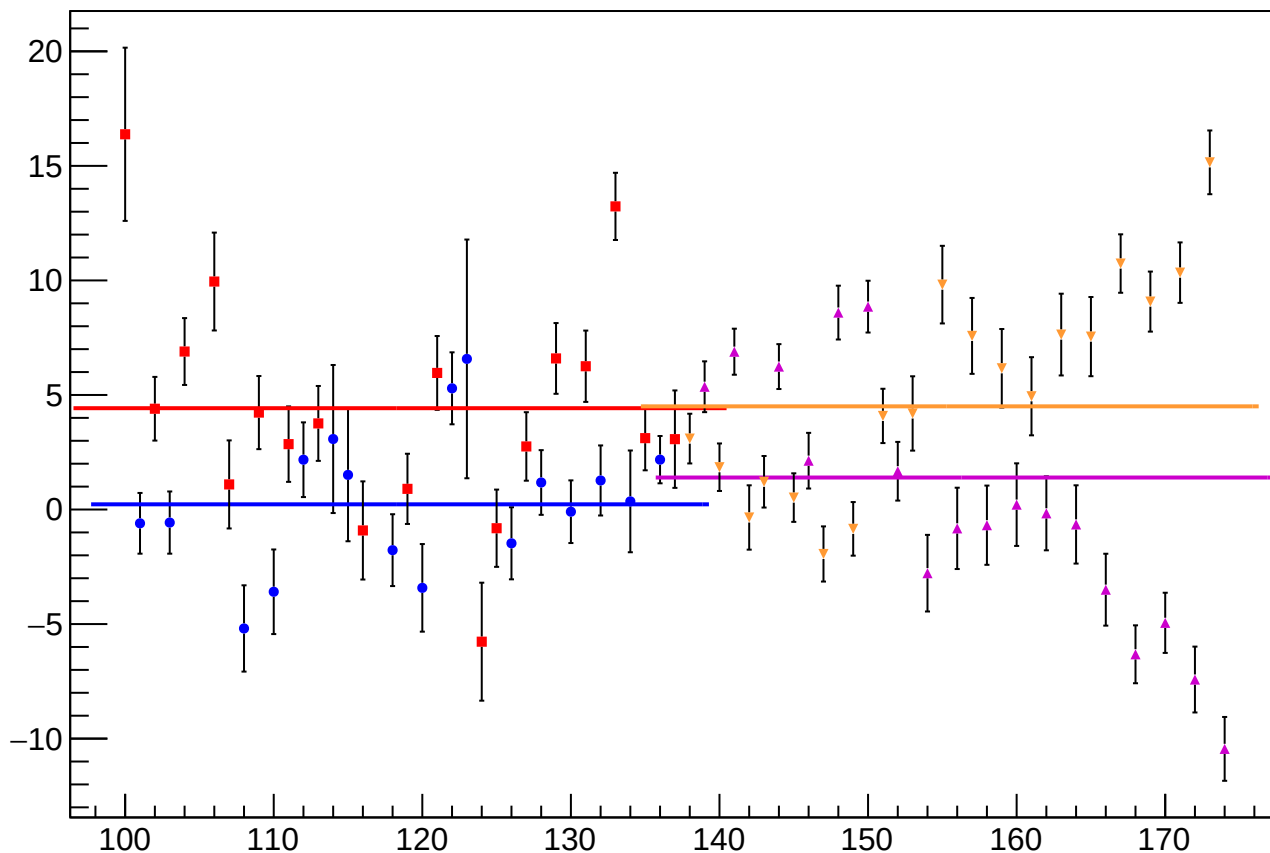
Left In: 1052.959 ± 0.205 $\chi^2/\text{NDF}: 1174006.7/17$

+ sign 977.343 ± 0.154 $\chi^2/\text{NDF}: 1594593.1/35$

All: 983.122 ± 0.110 $\chi^2/\text{NDF}: 3117015.5/72$

- 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: 4.503 ± 0.304 χ^2/NDF : 227.3/18

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

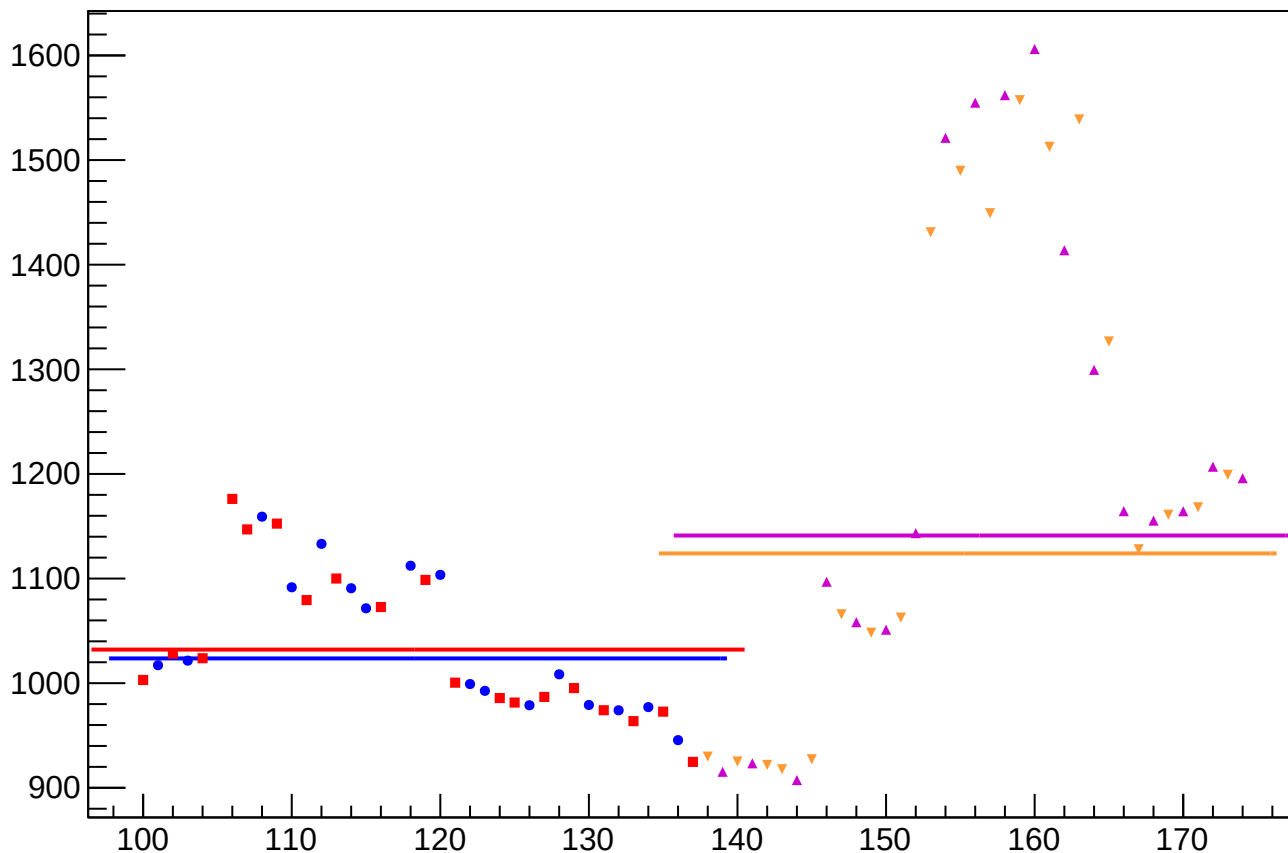
Left In: 1.397 ± 0.312 χ^2/NDF : 340.9/17

+ sign 2.912 ± 0.241 χ^2/NDF : 339.4/35

All: 2.751 ± 0.171 χ^2/NDF : 821.7/72

- 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: 1124.023+/-0.215 χ^2 /NDF:952453.5/18

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

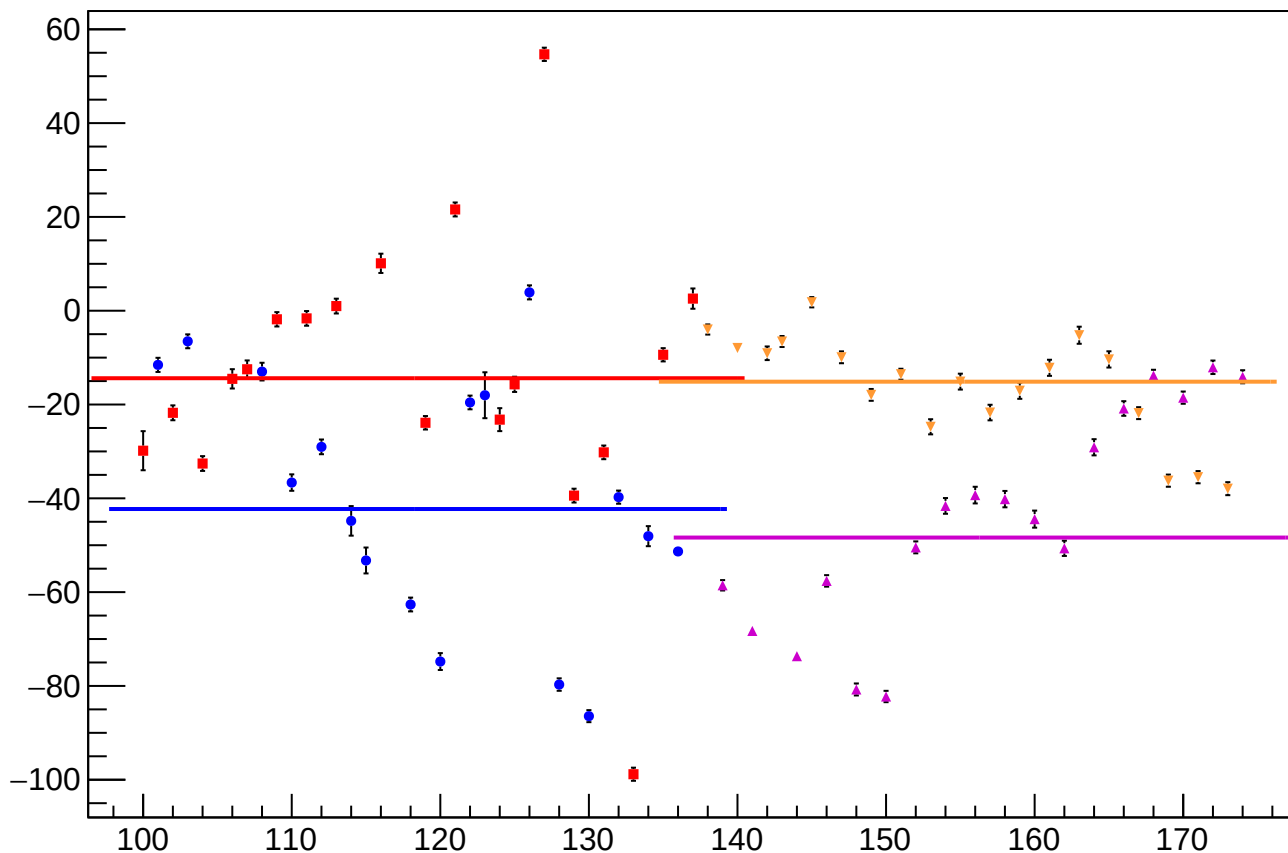
Left In: 1141.140+/-0.220 χ^2 /NDF:862380.1/17

+ sign 1086.670+/-0.170 χ^2 /NDF: 1085906.2/35

All: 1092.397+/-0.121 χ^2 /NDF: 2106334.3/72

- 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: -15.130 ± 0.309 χ^2/NDF : 1381.6/18

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

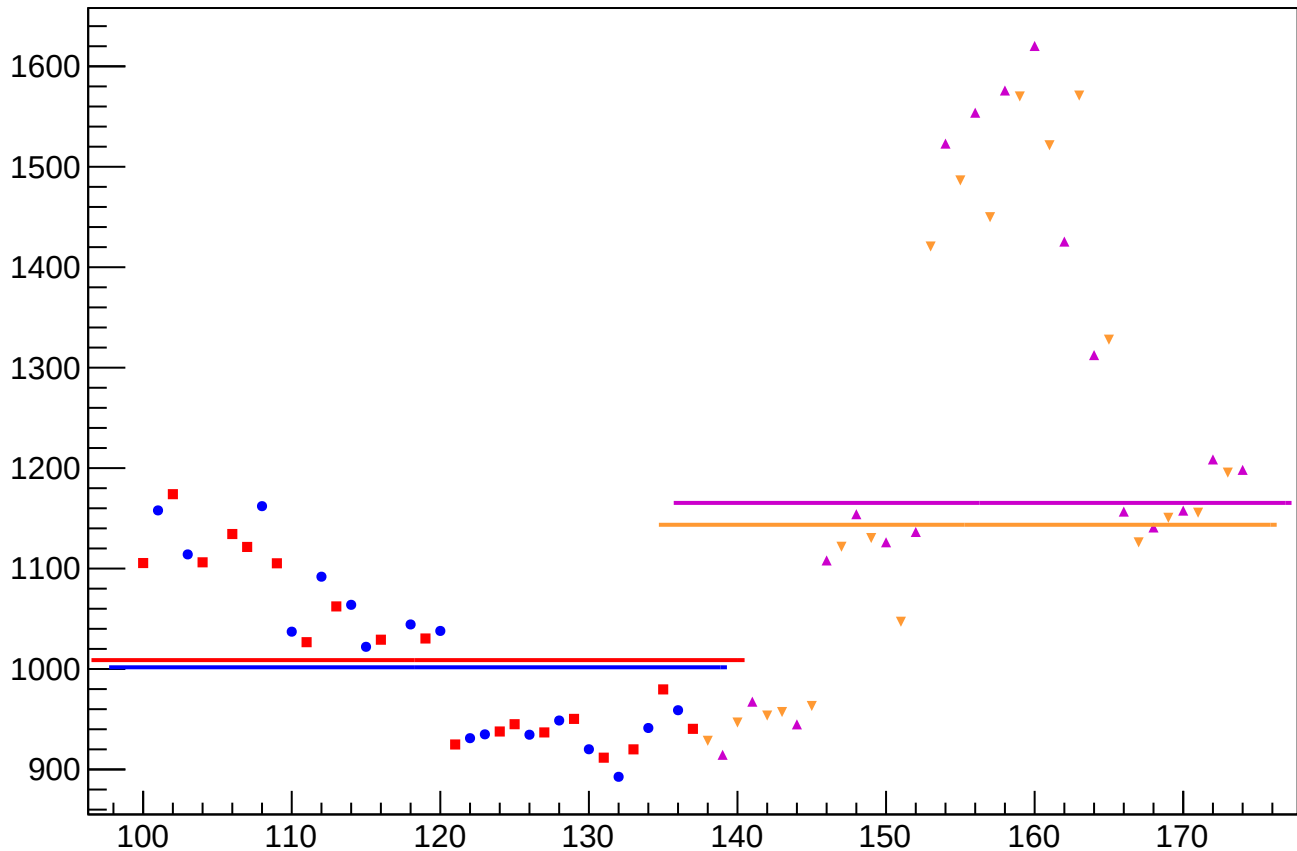
Left In: -48.365 ± 0.318 χ^2/NDF : 5571.9/17

+ sign -25.694 ± 0.241 χ^2/NDF : 9512.8/35

All: -29.971 ± 0.171 χ^2/NDF : 28111.8/72

- 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: 1143.589 $\pm$ 0.218 χ^2 /NDF: 864563.0/18

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

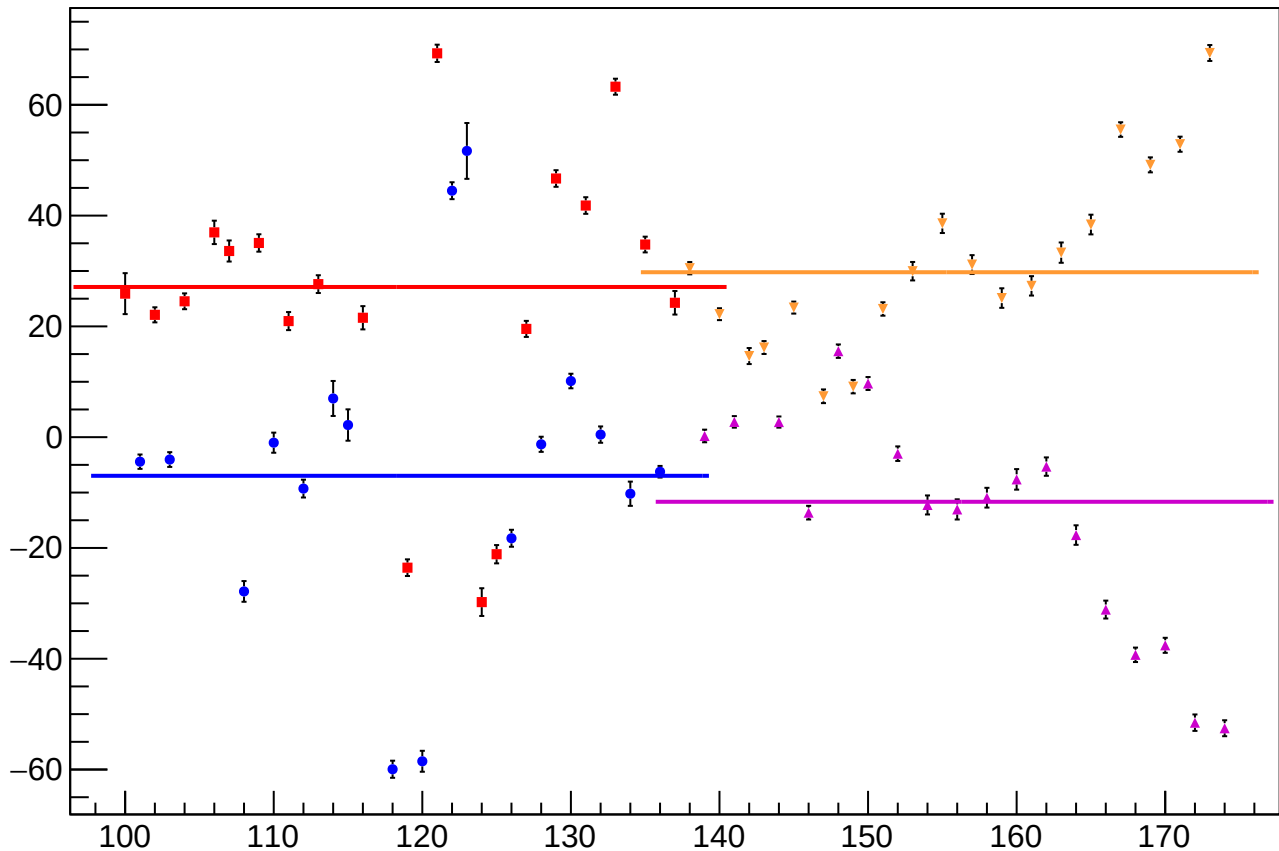
Left In: 1165.360 $\pm$ 0.225 χ^2 /NDF: 765989.3/17

+ sign 1088.377 $\pm$ 0.171 χ^2 /NDF: 1124151.9/35

All: 1094.457 $\pm$ 0.121 χ^2 /NDF: 2188634.0/72

- 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: 29.778 ± 0.313 χ^2/NDF : 2673.1/18

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

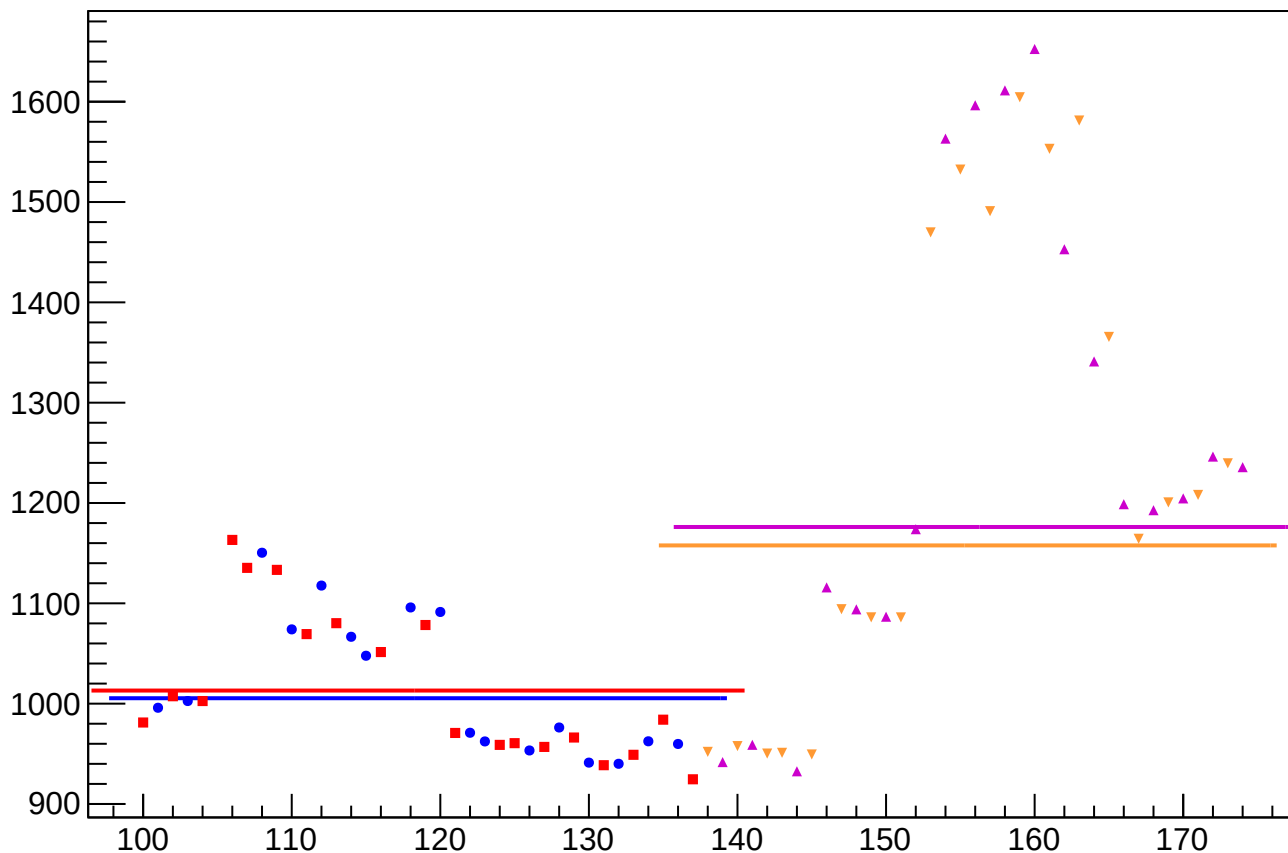
Left In: -11.664 ± 0.321 χ^2/NDF : 3903.0/17

+ sign 15.277 ± 0.244 χ^2/NDF : 11743.5/35

All: 9.928 ± 0.173 χ^2/NDF : 26982.6/72

- 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: 1157.727 $\pm$ 0.221 χ^2 /NDF: 949527.7/18

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

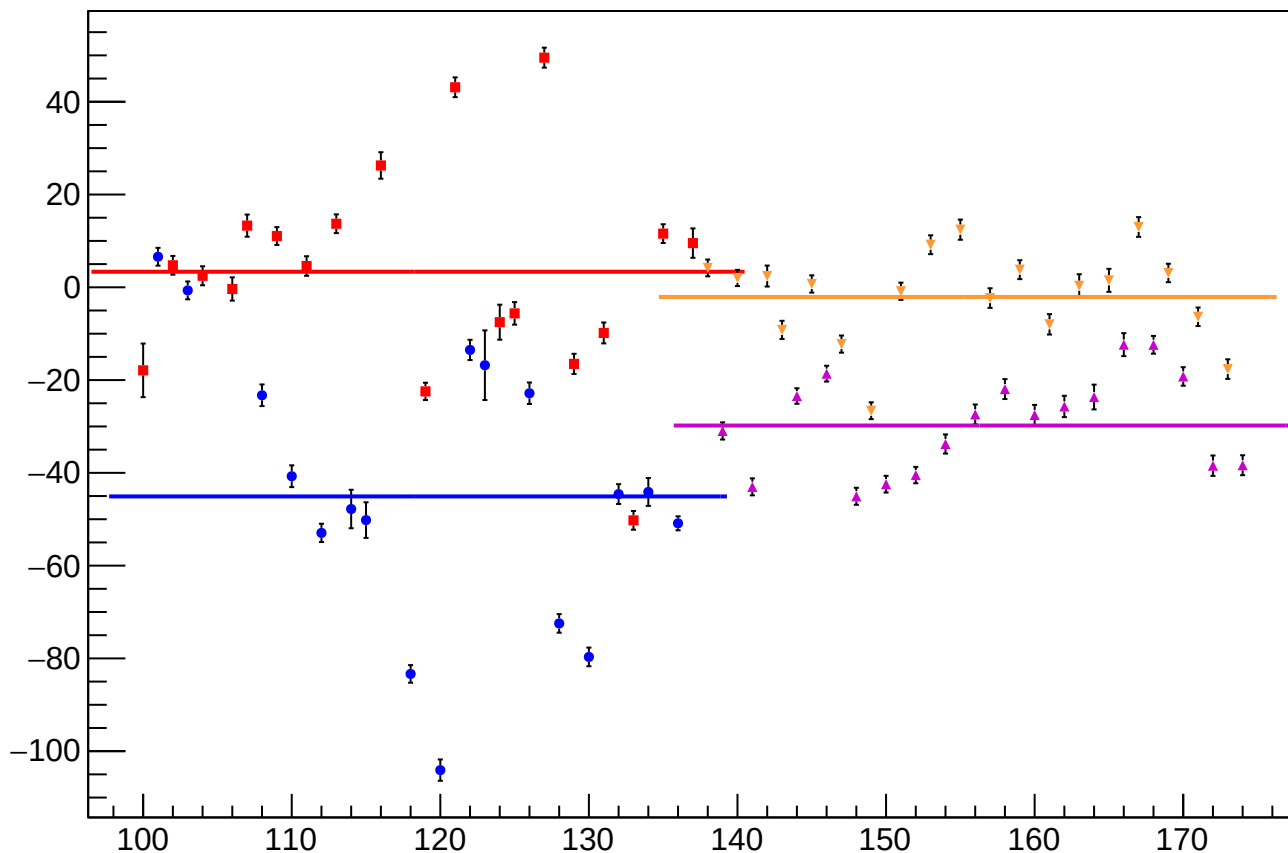
Left In: 1176.096 $\pm$ 0.227 χ^2 /NDF: 855389.2/17

+ sign 1097.630 $\pm$ 0.172 χ^2 /NDF: 1190772.6/35

All: 1102.825 $\pm$ 0.122 χ^2 /NDF: 2326278.3/72

- 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: -2.085 ± 0.463 χ^2/NDF : 460.0/18

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

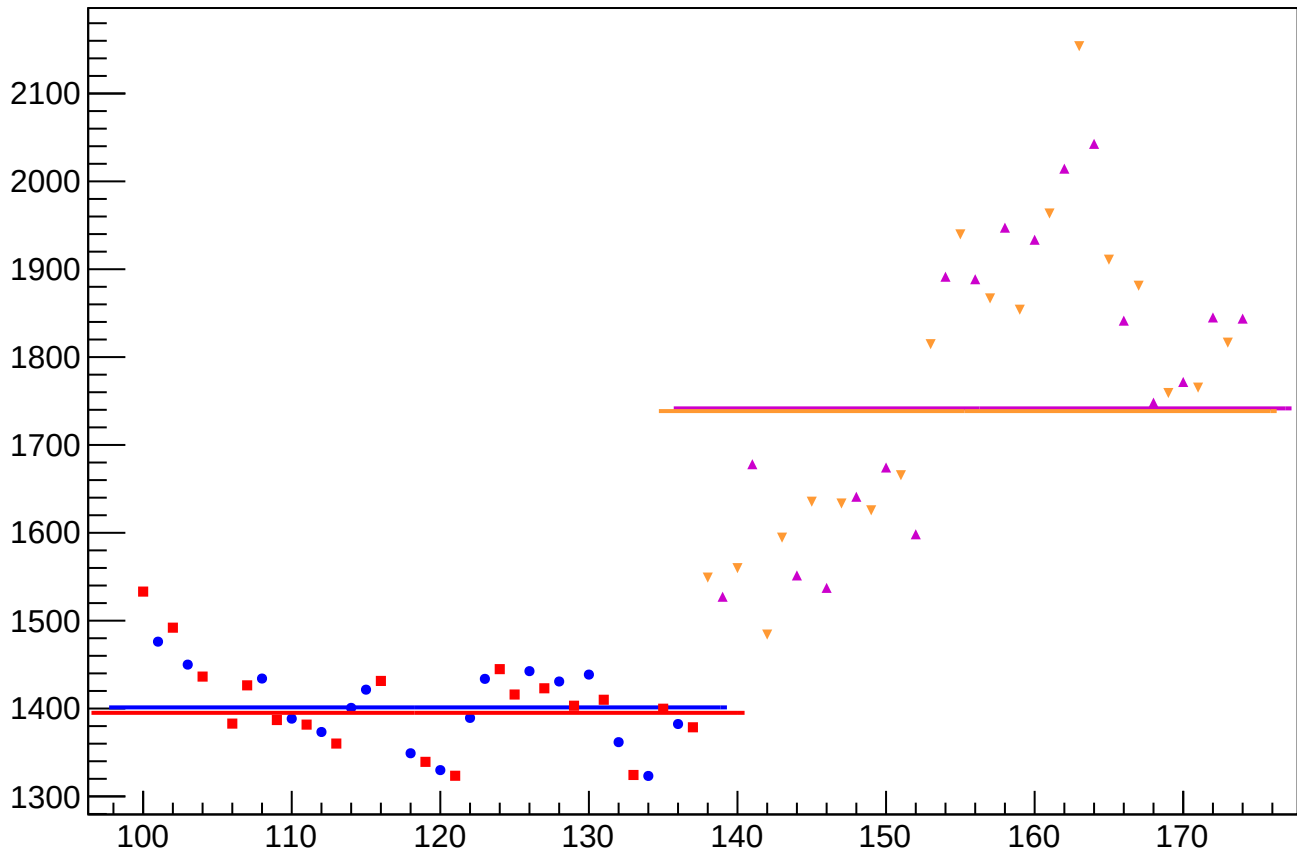
Left In: -29.800 ± 0.469 χ^2/NDF : 484.8/17

+ sign -20.319 ± 0.351 χ^2/NDF : 7353.4/35

All: -17.628 ± 0.248 χ^2/NDF : 12192.8/72

- 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: 1738.546+/-0.327 χ^2/NDF : 234557.6/18

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

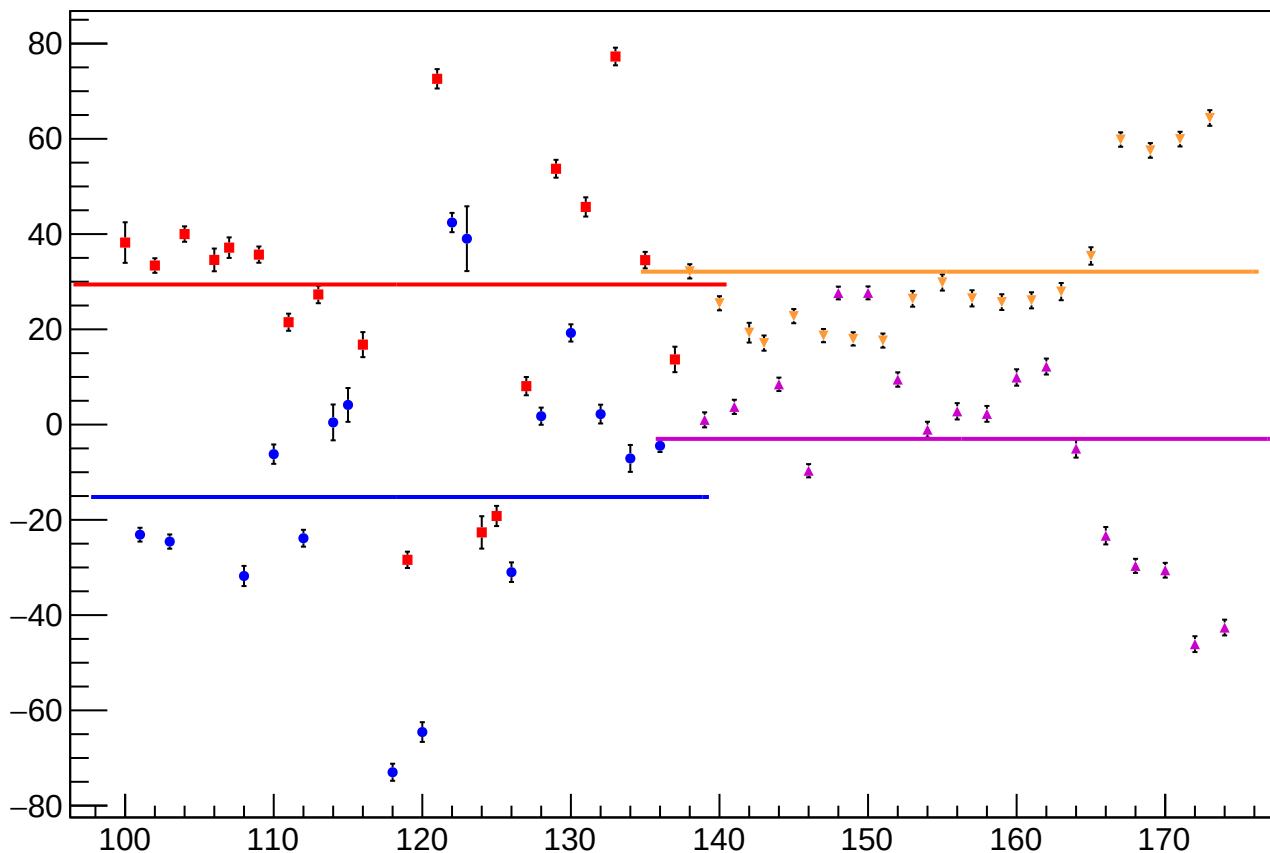
Left In: 1741.624+/-0.332 χ^2/NDF : 226086.8/17

+ sign 1595.528+/-0.249 χ^2/NDF : 697156.0/35

All: 1591.082+/-0.175 χ^2/NDF : 1427047.6/72

- 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: 32.105 ± 0.366 χ^2/NDF : 1853.2/18

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

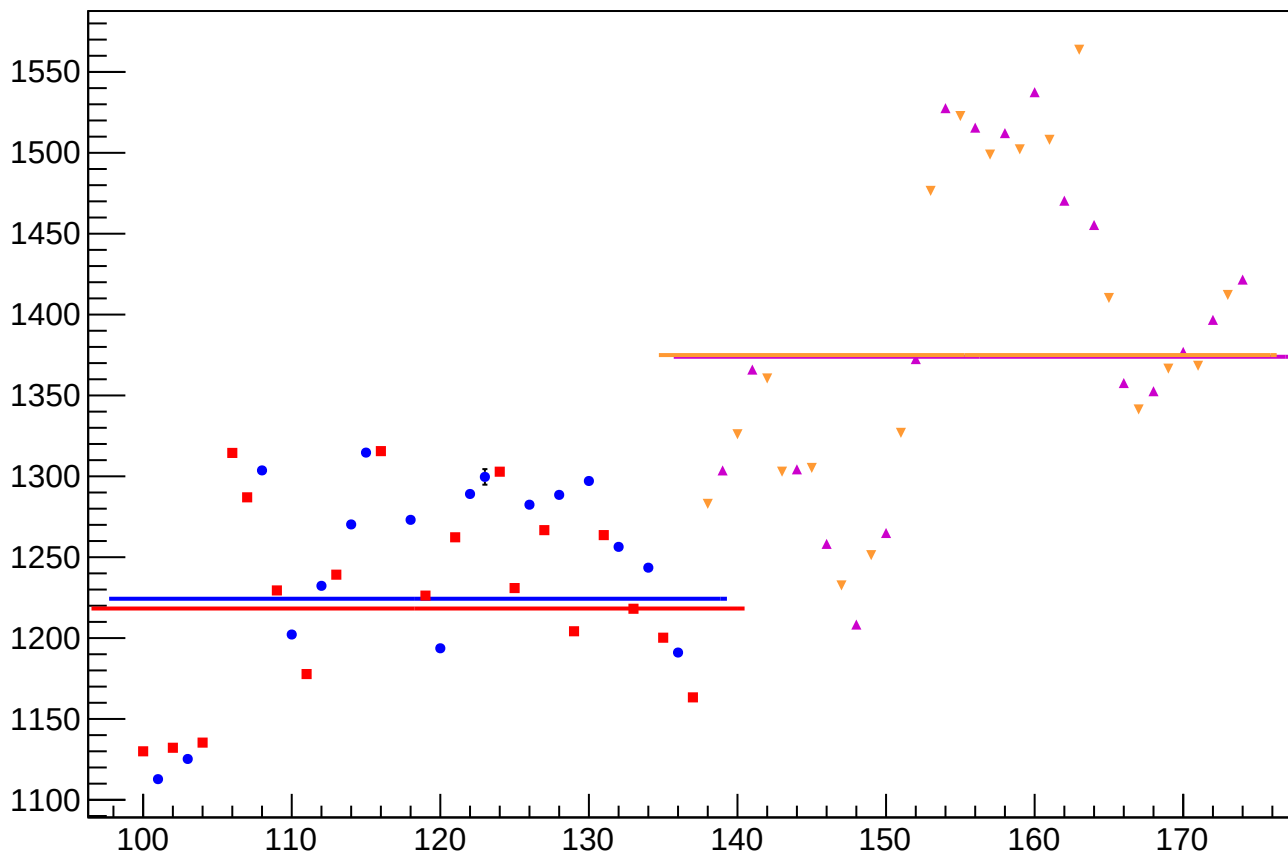
Left In: -3.002 ± 0.369 χ^2/NDF : 3382.4/17

+ sign 14.367 ± 0.289 χ^2/NDF : 11491.3/35

All: 12.085 ± 0.204 χ^2/NDF : 21592.8/72

- 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: 1374.968+/-0.259 χ^2/NDF : 139057.2/18

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

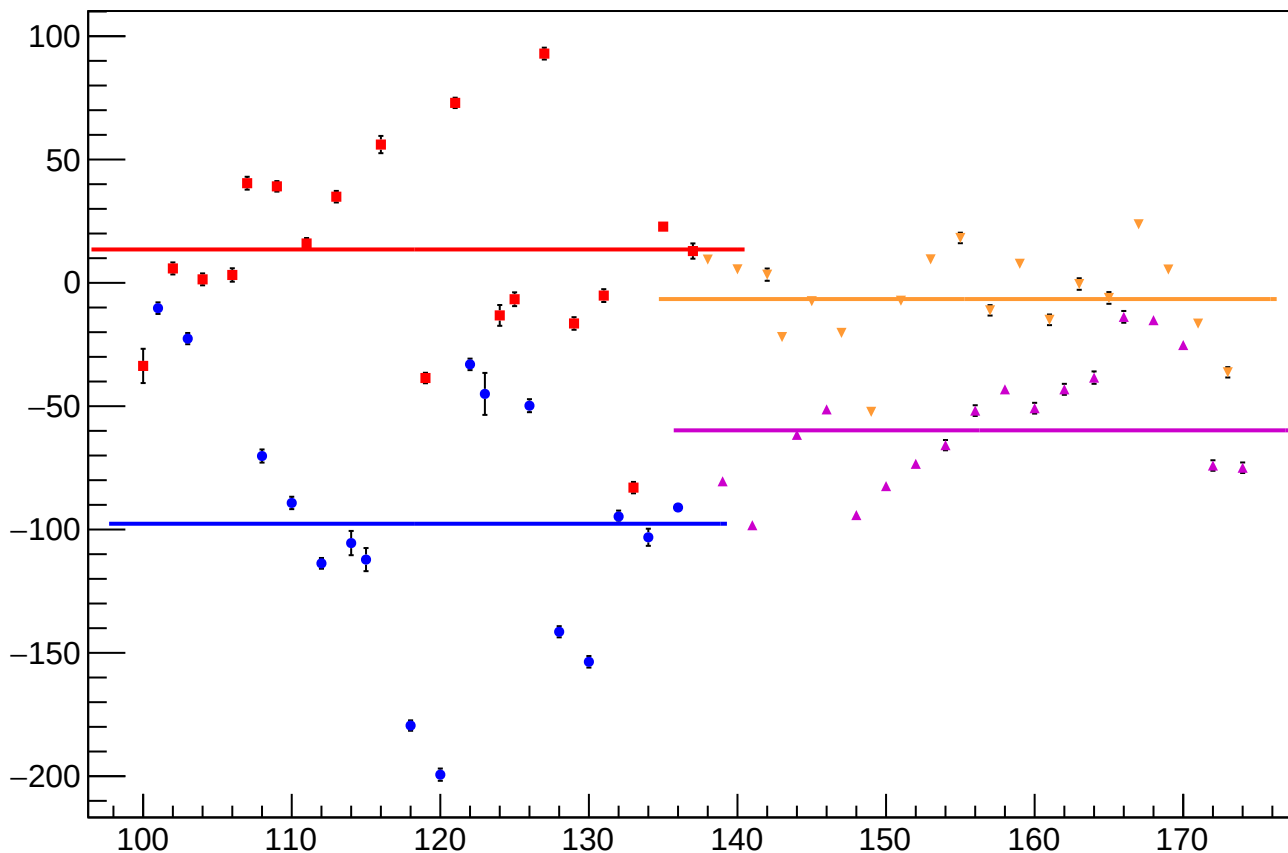
Left In: 1373.917+/-0.261 χ^2/NDF : 141444.2/17

+ sign 1318.482+/-0.204 χ^2/NDF : 305120.0/35

All: 1315.364+/-0.144 χ^2/NDF : 615219.5/72

- 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: -6.567+/-0.461 χ^2/NDF : 1643.5/18

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

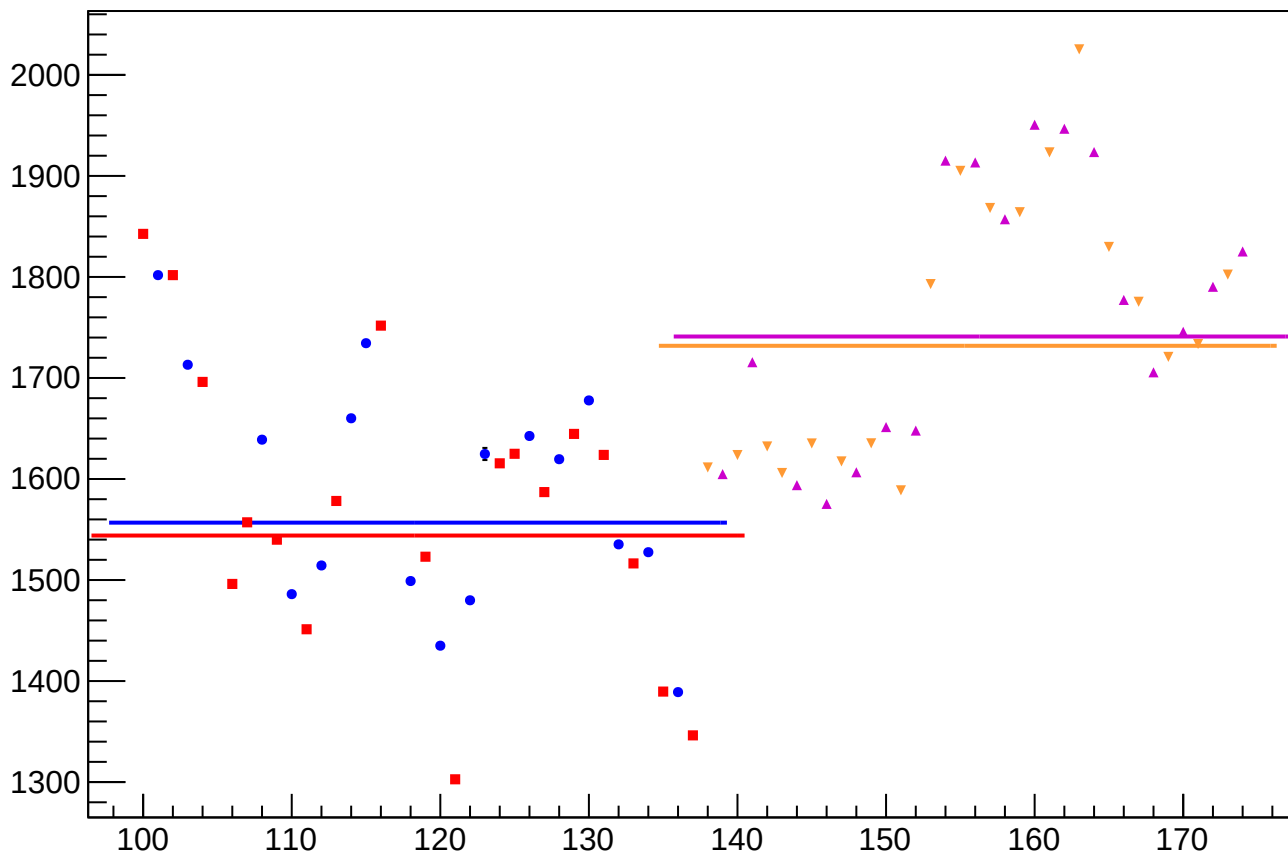
Left In: -59.795+/-0.468 χ^2/NDF : 2728.0/17

+ sign -40.261+/-0.366 χ^2/NDF : 24039.2/35

All: -35.523+/-0.258 χ^2/NDF : 41921.5/72

- 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: 1731.846 $\pm$ 0.326 χ^2 /NDF:143852.6/18

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

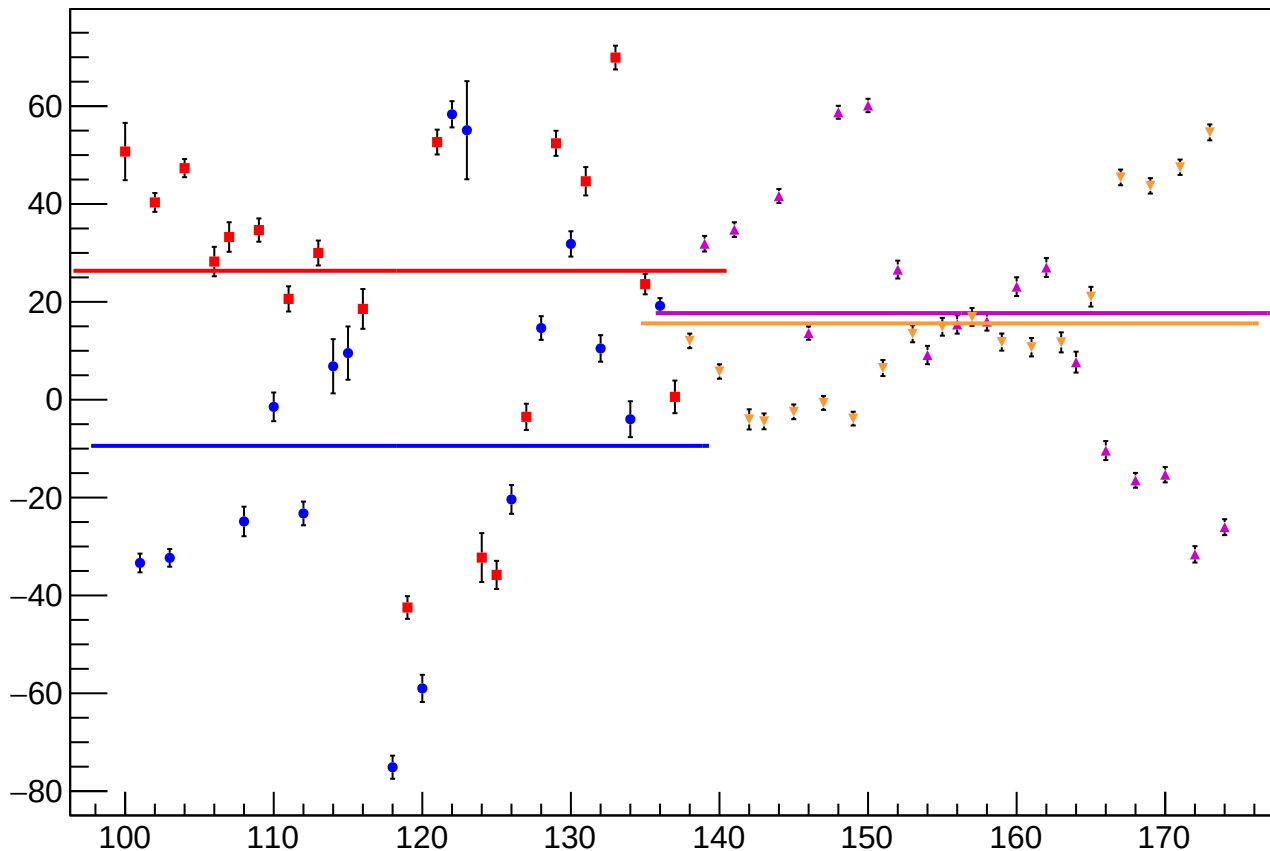
Left In: 1741.044 $\pm$ 0.331 χ^2 /NDF:149002.5/17

+ sign 1667.097 $\pm$ 0.259 χ^2 /NDF: 332194.4/35

All: 1665.148 $\pm$ 0.182 χ^2 /NDF: 721709.7/72

- 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: 15.602 ± 0.379 χ^2/NDF : 2466.9/18

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

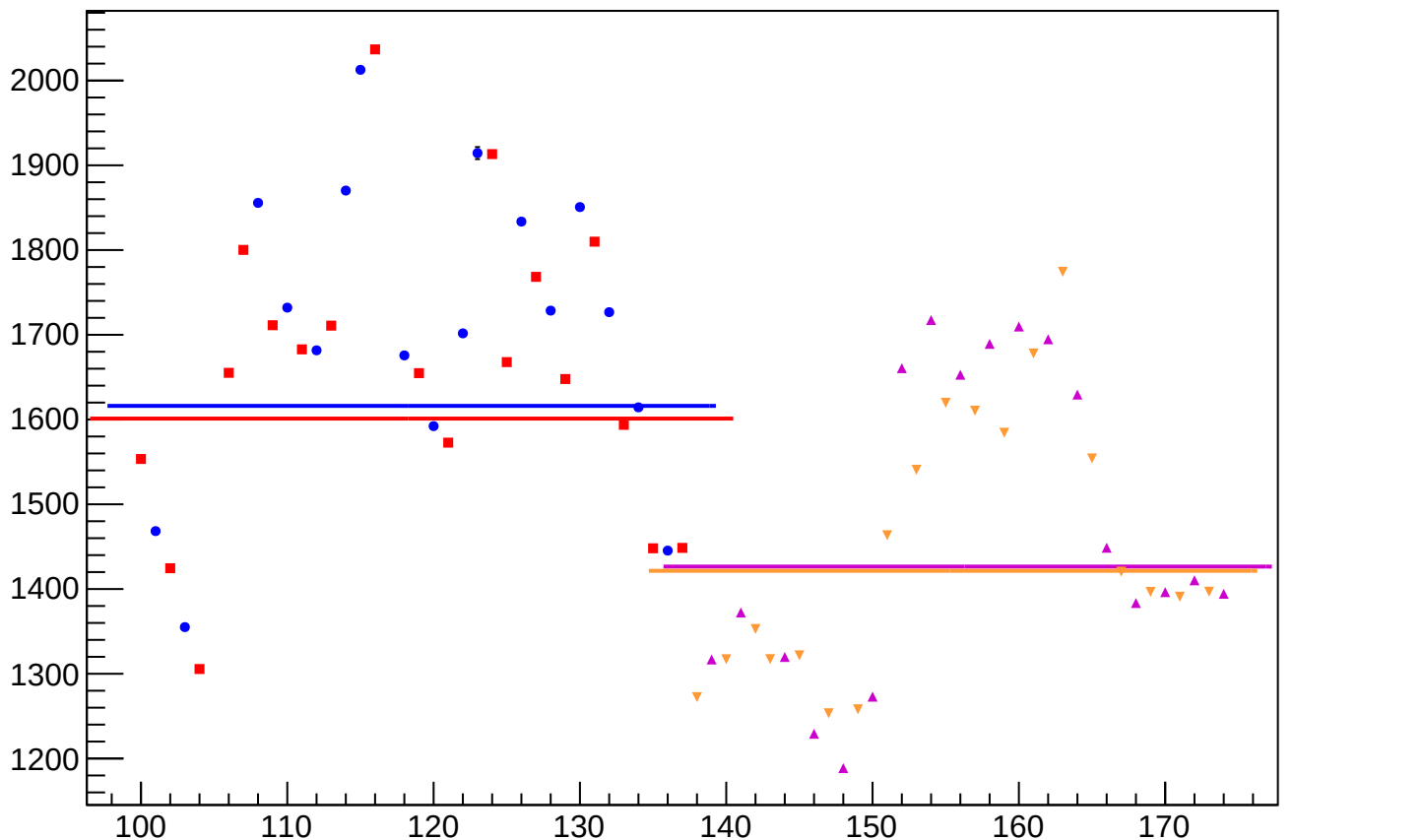
Left In: 17.708 ± 0.386 χ^2/NDF : 5267.7/17

+ sign 8.885 ± 0.325 χ^2/NDF : 6558.8/35

All: 14.546 ± 0.230 χ^2/NDF : 15053.8/72

- 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: 1421.515 $\pm$ 0.268 χ^2 /NDF: 284586.4/18

Right Out: 1601.134 $\pm$ 0.426 χ^2 /NDF: 153651.5/18

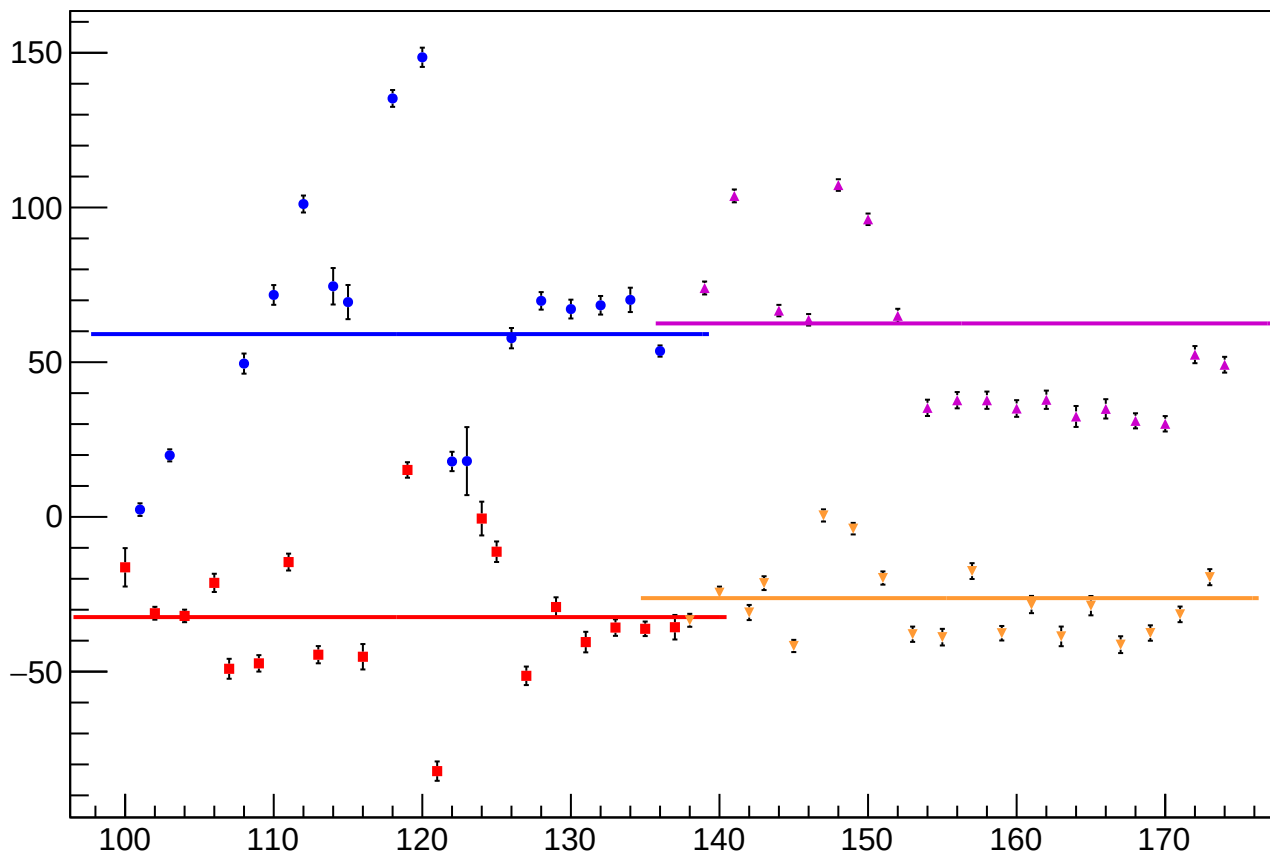
Left In: 1426.501 $\pm$ 0.273 χ^2 /NDF: 408976.5/17

+ sign 1473.735 $\pm$ 0.229 χ^2 /NDF: 575348.6/35

All: 1475.471 $\pm$ 0.162 χ^2 /NDF: 1257209.0/72

- 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: -26.252 ± 0.539 χ^2/NDF : 577.4/18

Right Out: -32.382 ± 0.666 χ^2/NDF : 891.5/18

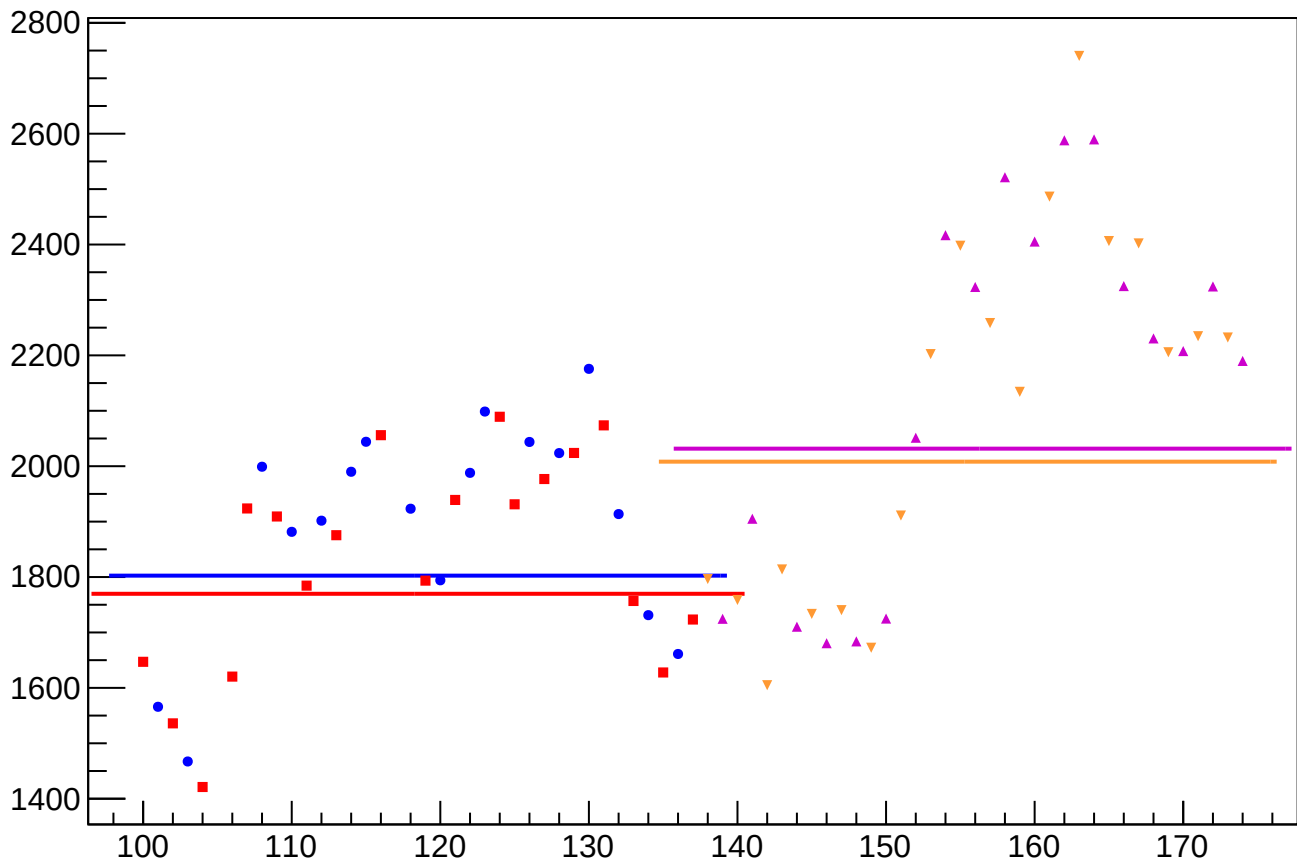
Left In: 62.532 ± 0.552 χ^2/NDF : 2306.6/17

+ sign 5.565 ± 0.427 χ^2/NDF : 13205.2/35

All: 14.775 ± 0.301 χ^2/NDF : 29355.9/72

- sign 23.903 ± 0.425 χ^2/NDF : 15224.7/36

diff_bpm0i05X_rms vs Slug



Right In: 1802.524 ± 0.495 $\chi^2/\text{NDF}: 184069.0/16$

Left Out: 2008.201 ± 0.381 $\chi^2/\text{NDF}: 628610.1/18$

Right Out: 1769.772 ± 0.471 $\chi^2/\text{NDF}: 177893.4/18$

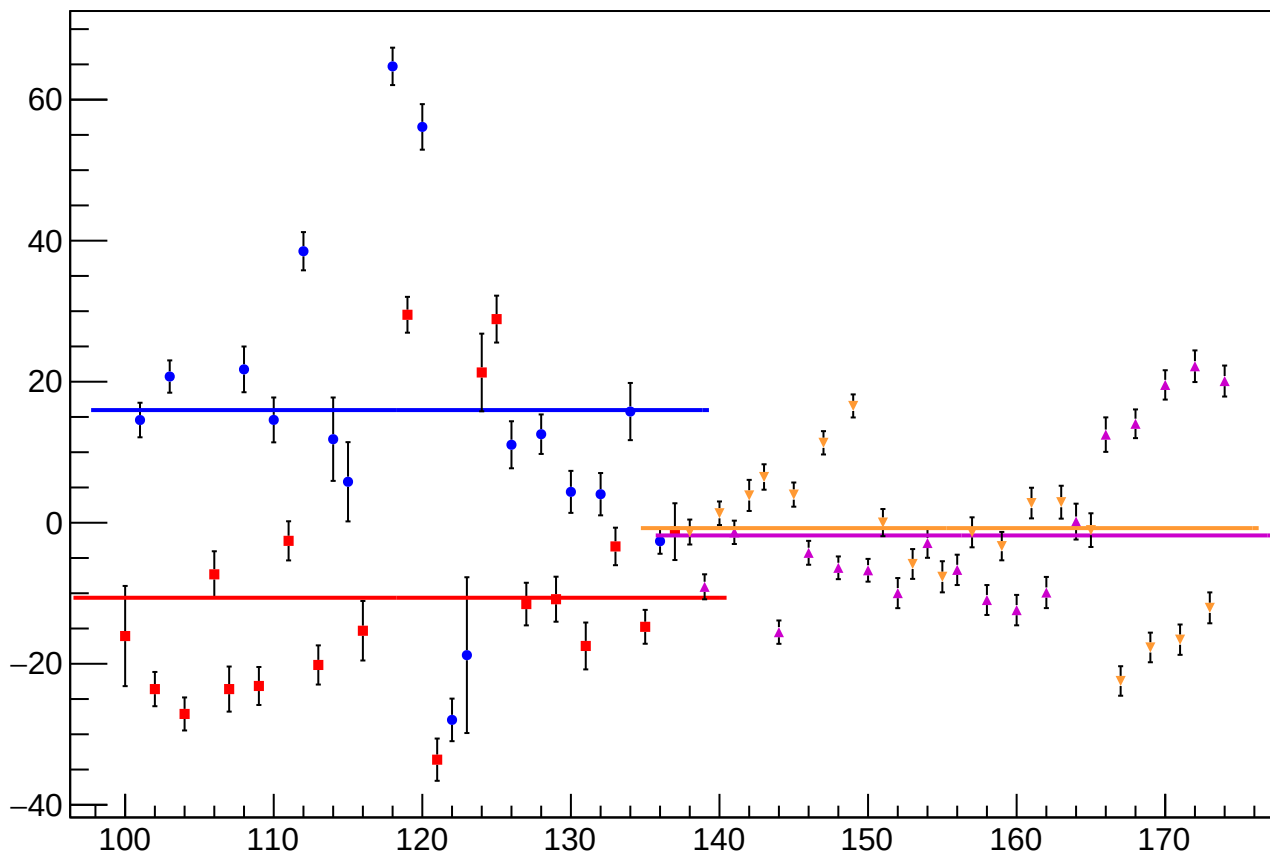
Left In: 2031.677 ± 0.390 $\chi^2/\text{NDF}: 668652.1/17$

+ sign 1931.514 ± 0.302 $\chi^2/\text{NDF}: 921133.2/35$

All: 1928.286 ± 0.213 $\chi^2/\text{NDF}: 1951055.2/72$

- sign 1925.086 ± 0.301 $\chi^2/\text{NDF}: 1029694.4/36$

diff_bpm0i05Y_mean vs Slug



Right In: 15.976+/-0.722 χ^2/NDF : 938.4/16

Left Out: -0.763+/-0.452 χ^2/NDF : 471.3/18

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

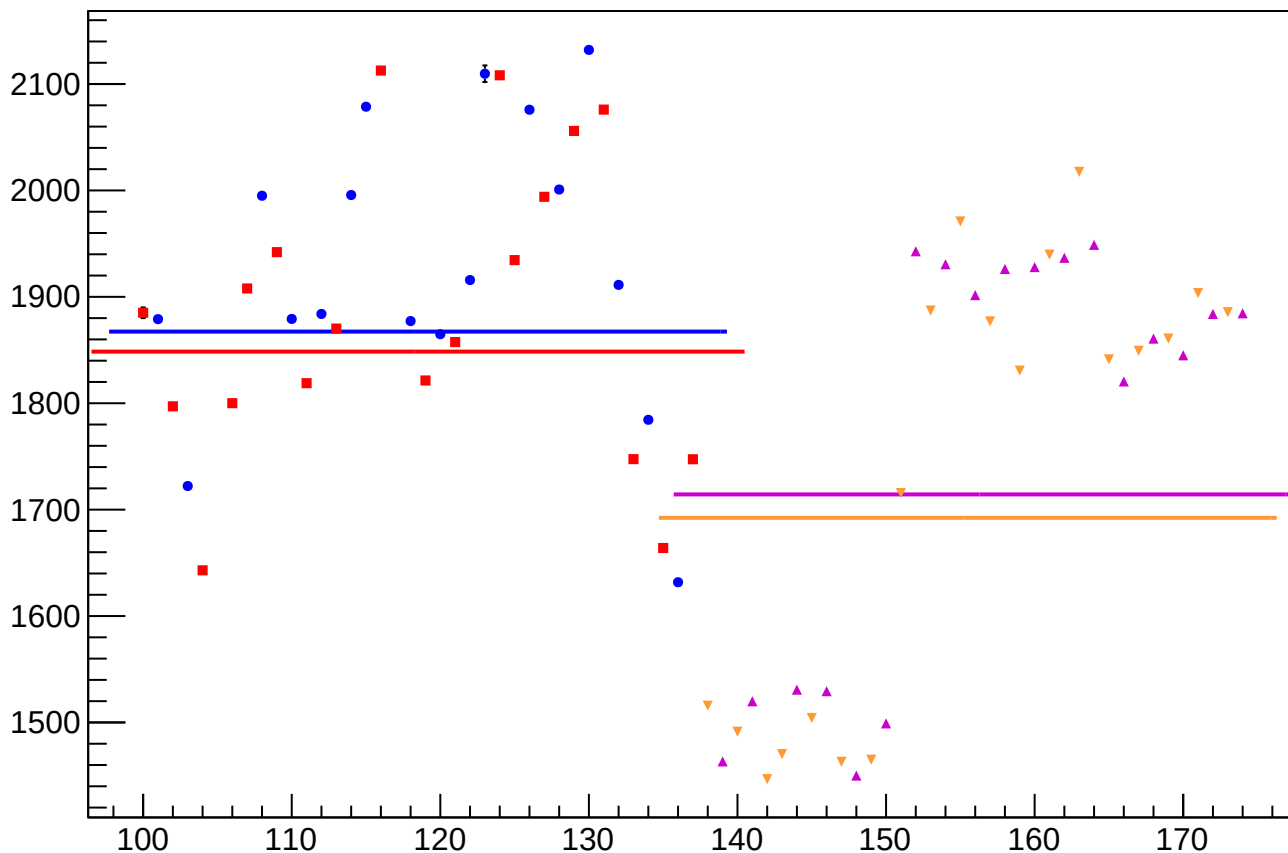
Left In: -1.801+/-0.463 χ^2/NDF : 595.3/17

+ sign 3.959+/-0.383 χ^2/NDF : 1795.9/35

All: -0.264+/-0.272 χ^2/NDF : 3389.6/72

- 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: 1692.314 $\pm$ 0.320 χ^2 /NDF: 410312.3/18

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

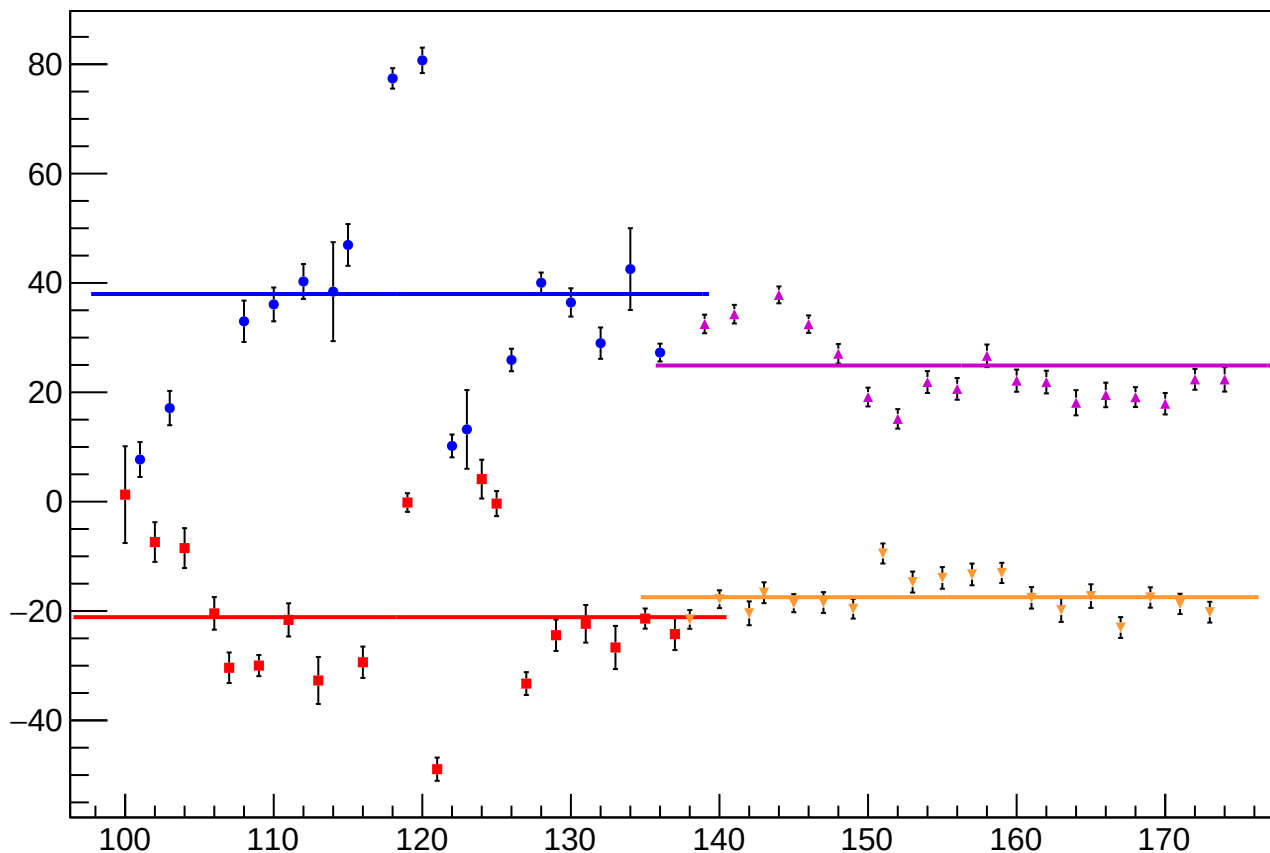
Left In: 1714.315 $\pm$ 0.327 χ^2 /NDF: 386808.4/17

+ sign 1741.690 $\pm$ 0.271 χ^2 /NDF: 575706.5/35

All: 1748.661 $\pm$ 0.192 χ^2 /NDF: 1088211.3/72

- 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: -17.469 ± 0.433 χ^2/NDF : 56.4/18

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

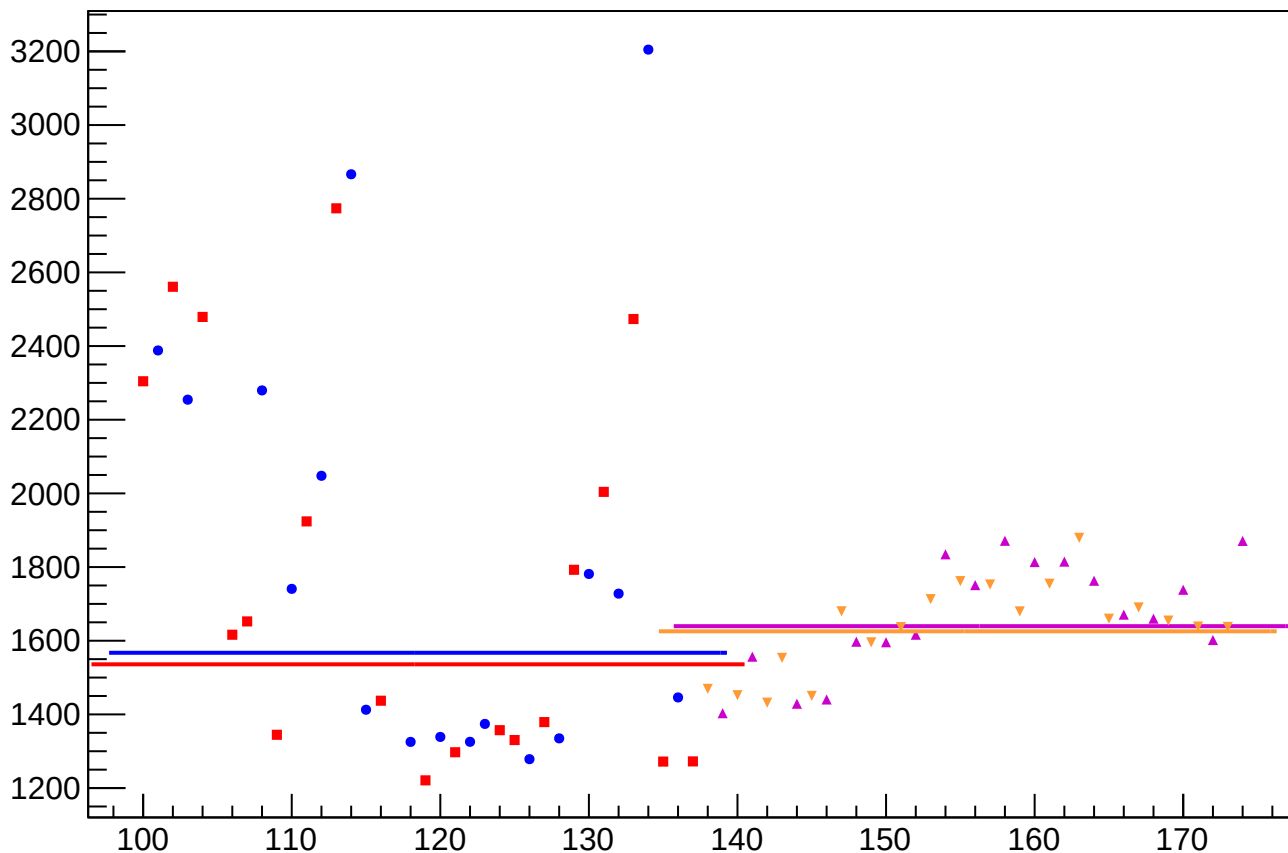
Left In: 24.899 ± 0.443 χ^2/NDF : 237.4/17

+ sign 0.034 ± 0.358 χ^2/NDF : 6439.9/35

All: 4.506 ± 0.253 χ^2/NDF : 11305.7/72

- 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: 1625.618 $\pm$ 0.306 χ^2 /NDF:145420.0/18

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

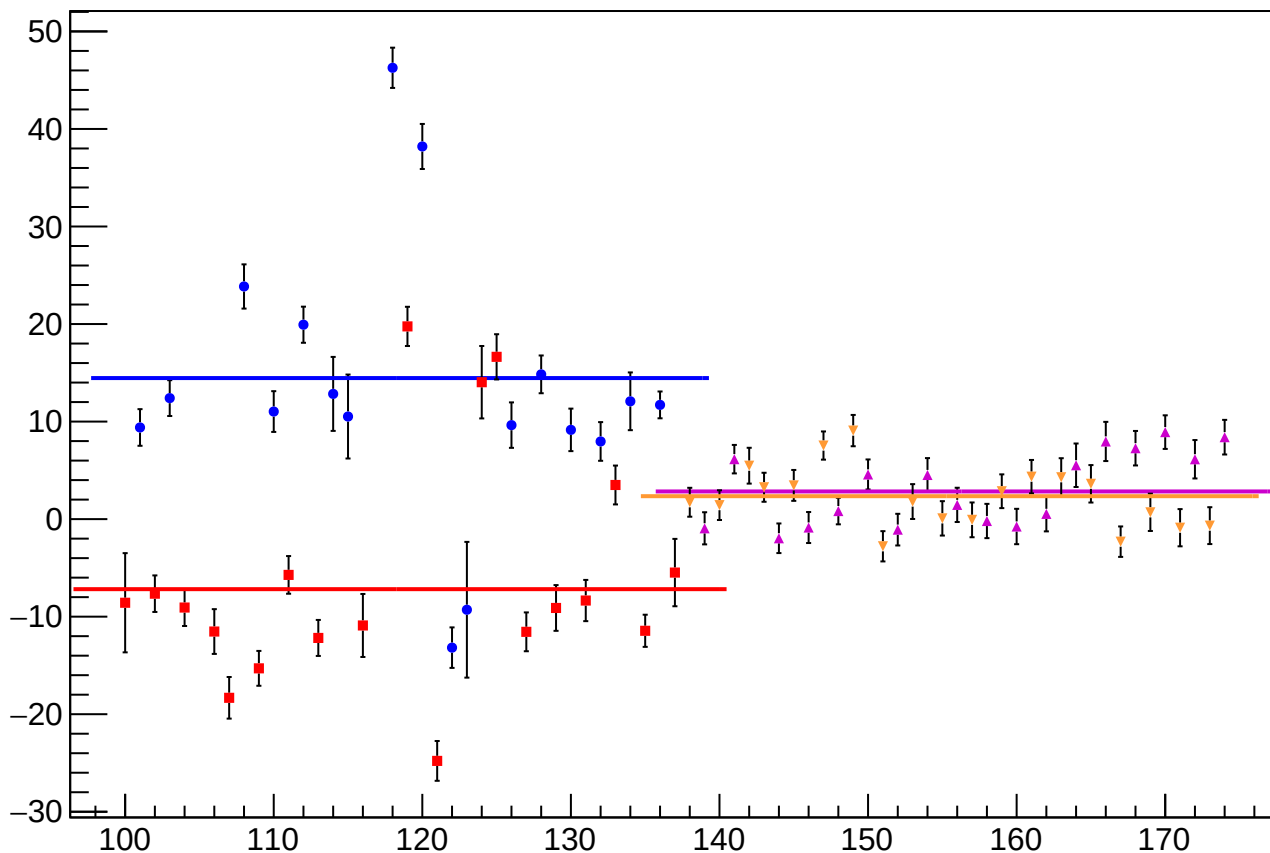
Left In: 1639.541 $\pm$ 0.313 χ^2 /NDF:227358.8/17

+ sign 1607.218 $\pm$ 0.253 χ^2 /NDF: 830318.0/35

All: 1605.457 $\pm$ 0.179 χ^2 /NDF: 1977783.7/72

- sign 1603.699 $\pm$ 0.253 χ^2 /NDF: 1147369.1/36

diff_bpm0i07Y_mean vs Slug



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

Left Out: 2.351+/-0.386 χ^2/NDF : 67.3/18

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

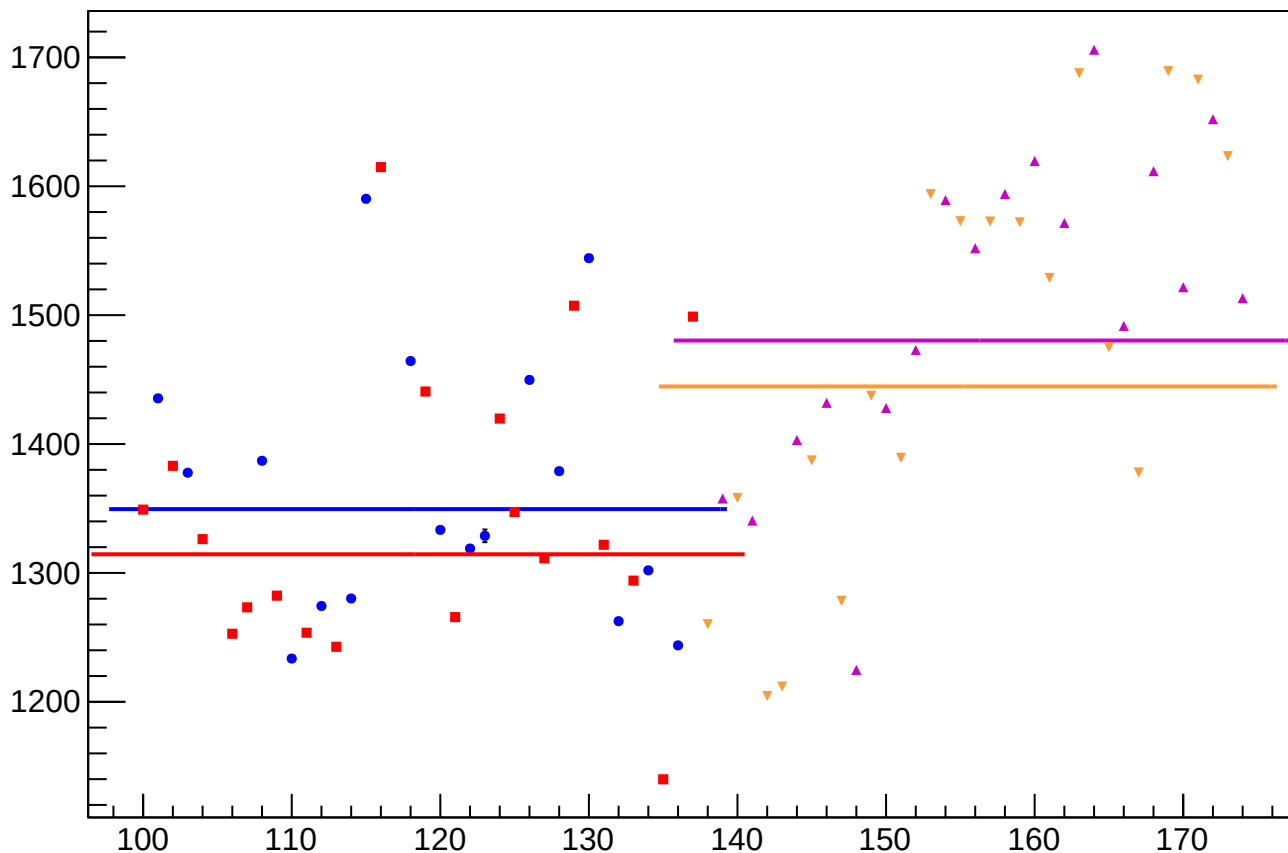
Left In: 2.837+/-0.399 χ^2/NDF : 84.6/17

+ sign 6.619+/-0.311 χ^2/NDF : 1010.1/35

All: 2.751+/-0.220 χ^2/NDF : 2149.1/72

- sign -1.112+/-0.310 χ^2/NDF : 829.0/36

diff_bpm0i07Y_rms vs Slug



Right In: 1349.522 ± 0.370 $\chi^2/\text{NDF}: 64667.6/16$

Left Out: 1444.692 ± 0.273 $\chi^2/\text{NDF}: 319730.8/18$

Right Out: 1314.485 ± 0.350 $\chi^2/\text{NDF}: 80952.7/18$

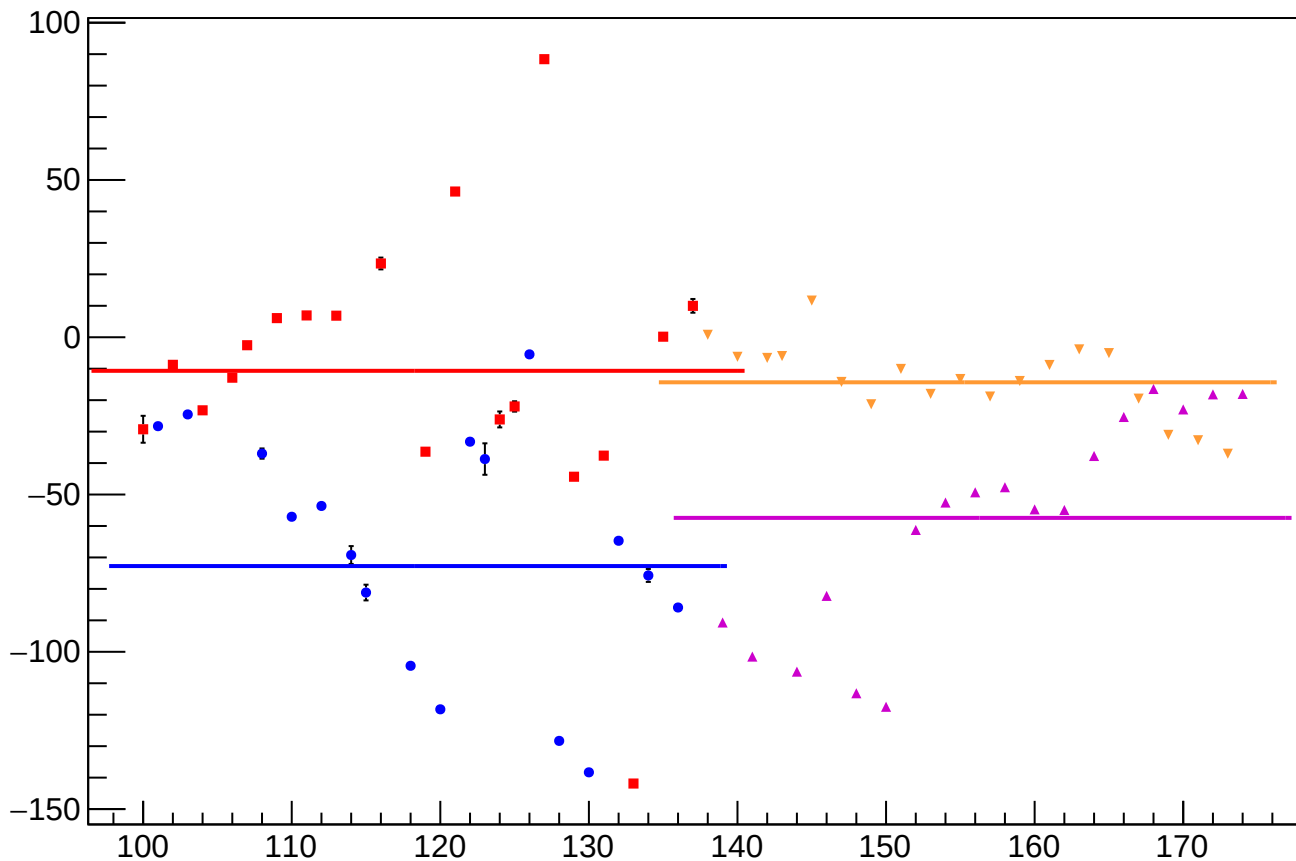
Left In: 1480.321 ± 0.282 $\chi^2/\text{NDF}: 194459.8/17$

+ sign 1411.151 ± 0.220 $\chi^2/\text{NDF}: 427250.7/35$

All: 1413.048 ± 0.155 $\chi^2/\text{NDF}: 839141.5/72$

- sign 1414.942 ± 0.219 $\chi^2/\text{NDF}: 411741.8/36$

diff_bpm1i02X_mean vs Slug



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

Left Out: -14.323 ± 0.243 $\chi^2/\text{NDF}: 2448.6/18$

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

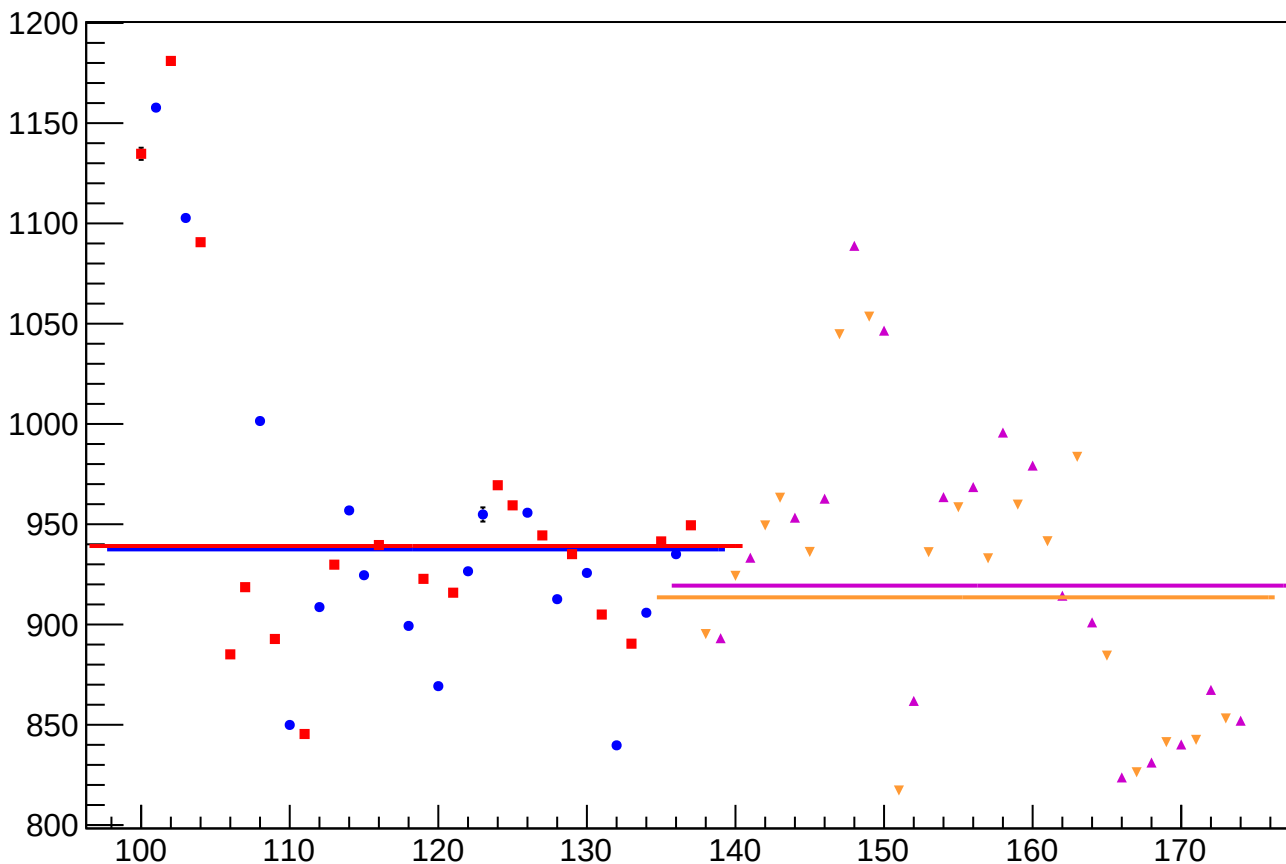
Left In: -57.423 ± 0.247 $\chi^2/\text{NDF}: 18275.0/17$

+ sign -32.452 ± 0.202 $\chi^2/\text{NDF}: 32064.2/35$

All: -37.208 ± 0.143 $\chi^2/\text{NDF}: 81419.7/72$

- 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: 913.552 $\pm$ 0.172 χ^2 /NDF:148603.2/18

Right Out: 939.140 $\pm$ 0.249 χ^2 /NDF: 90253.2/18

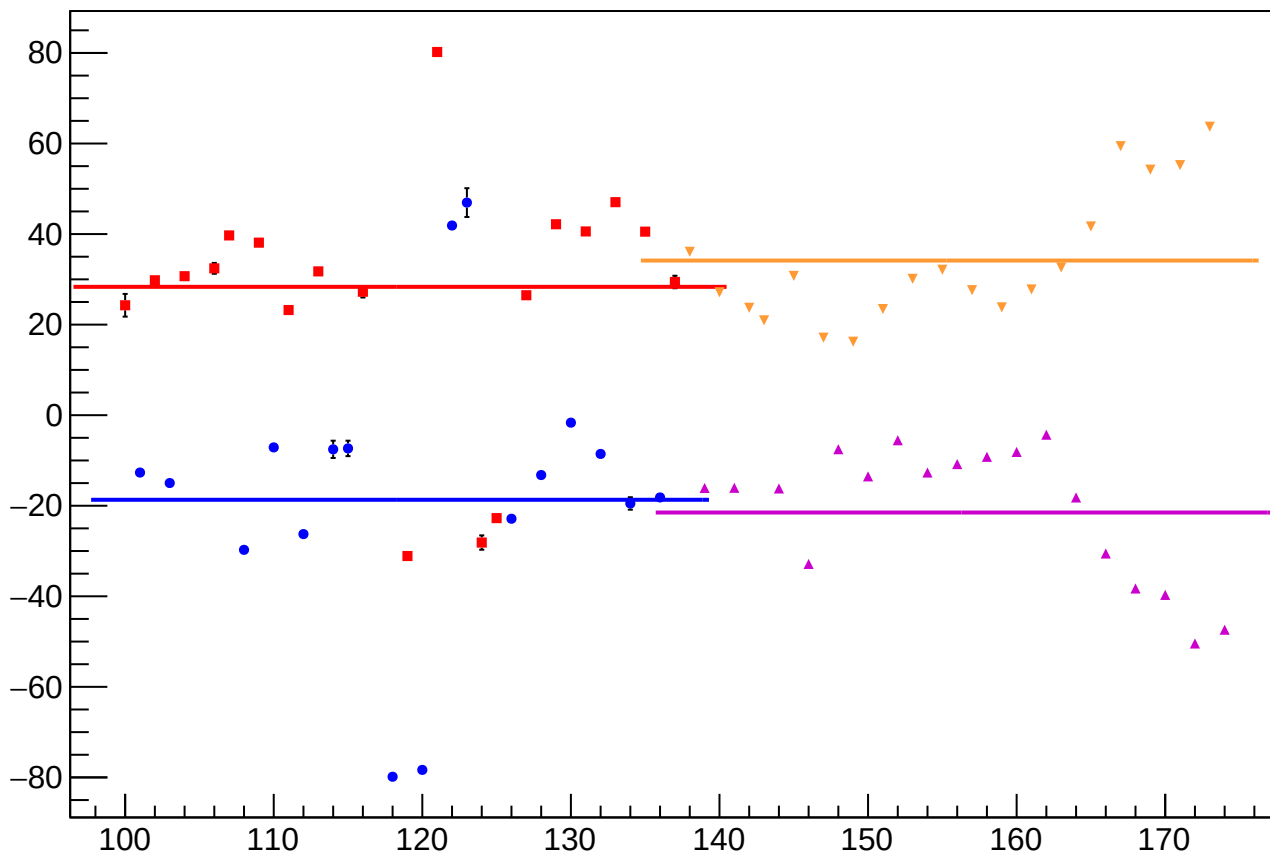
Left In: 919.388 $\pm$ 0.175 χ^2 /NDF:164775.2/17

+ sign 920.969 $\pm$ 0.143 χ^2 /NDF: 252912.3/35

All: 923.432 $\pm$ 0.101 χ^2 /NDF: 512748.2/72

- sign 925.908 $\pm$ 0.143 χ^2 /NDF: 259239.1/36

diff_bpm1i02Y_mean vs Slug



Right In: -18.683 ± 0.243 χ^2/NDF : 13006.2/16

Left Out: 34.156 ± 0.190 χ^2/NDF : 5781.9/18

Right Out: 28.347 ± 0.235 χ^2/NDF : 12508.1/18

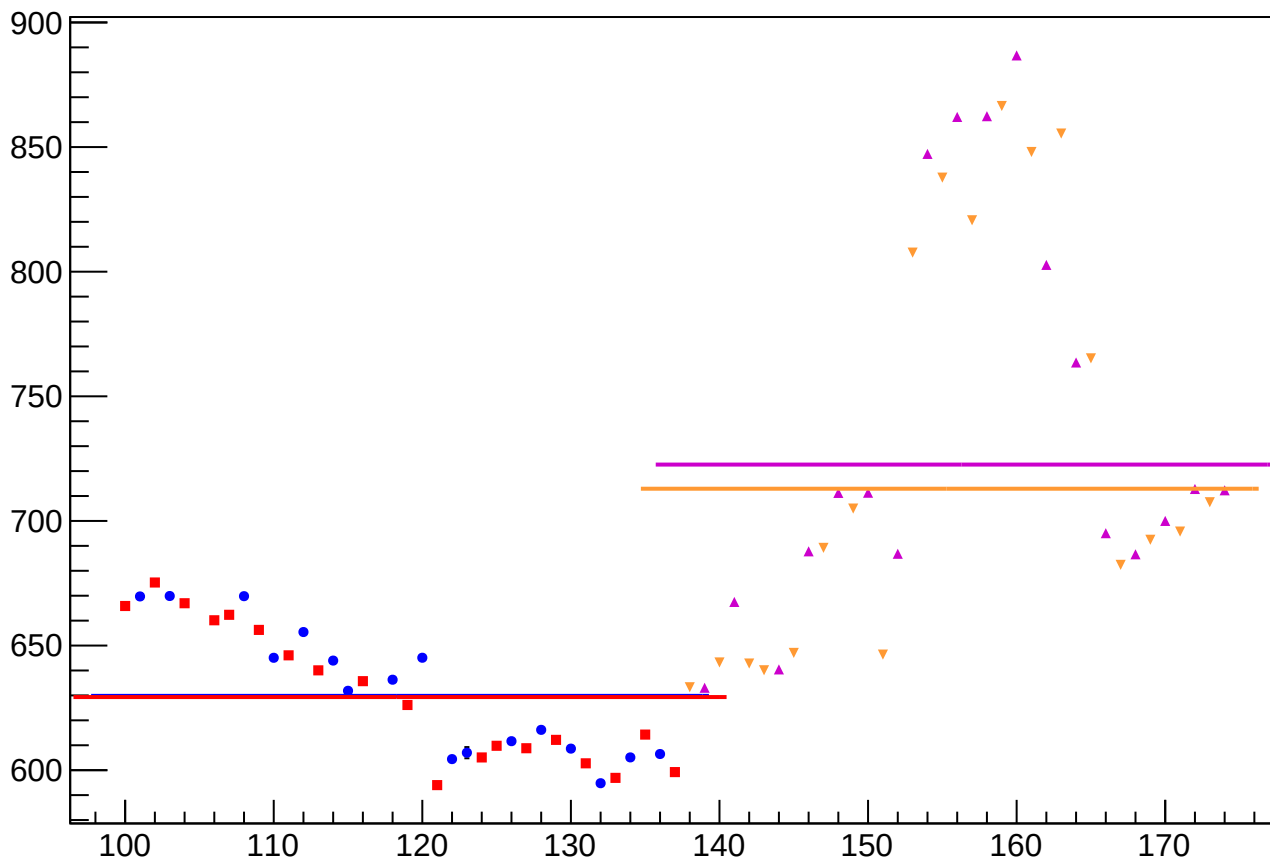
Left In: -21.498 ± 0.195 χ^2/NDF : 5428.3/17

+ sign 14.020 ± 0.150 χ^2/NDF : 48133.6/35

All: 6.411 ± 0.106 χ^2/NDF : 97833.2/72

- sign -1.231 ± 0.150 χ^2/NDF : 44529.0/36

diff_bpm1i02Y_rms vs Slug



Right In: 629.815 $\pm$ 0.172 χ^2 /NDF: 23298.3/16

Left Out: 712.928 $\pm$ 0.135 χ^2 /NDF: 332278.4/18

Right Out: 629.340 $\pm$ 0.166 χ^2 /NDF: 25538.5/18

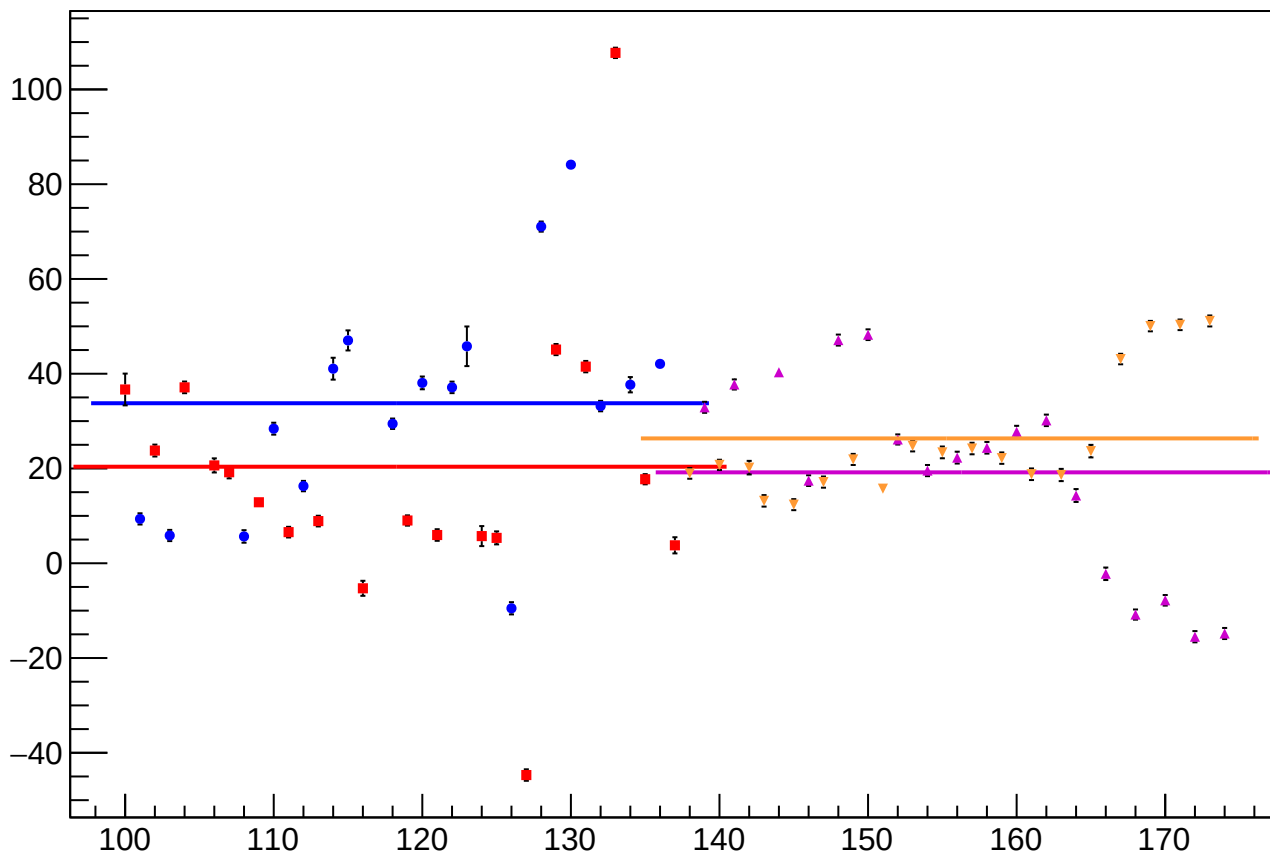
Left In: 722.613 $\pm$ 0.138 χ^2 /NDF: 278194.3/17

+ sign 681.254 $\pm$ 0.106 χ^2 /NDF: 500789.8/35

All: 682.967 $\pm$ 0.075 χ^2 /NDF: 991284.3/72

- 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: 26.348 $\pm$ 0.271 χ^2 /NDF:2235.1/18

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

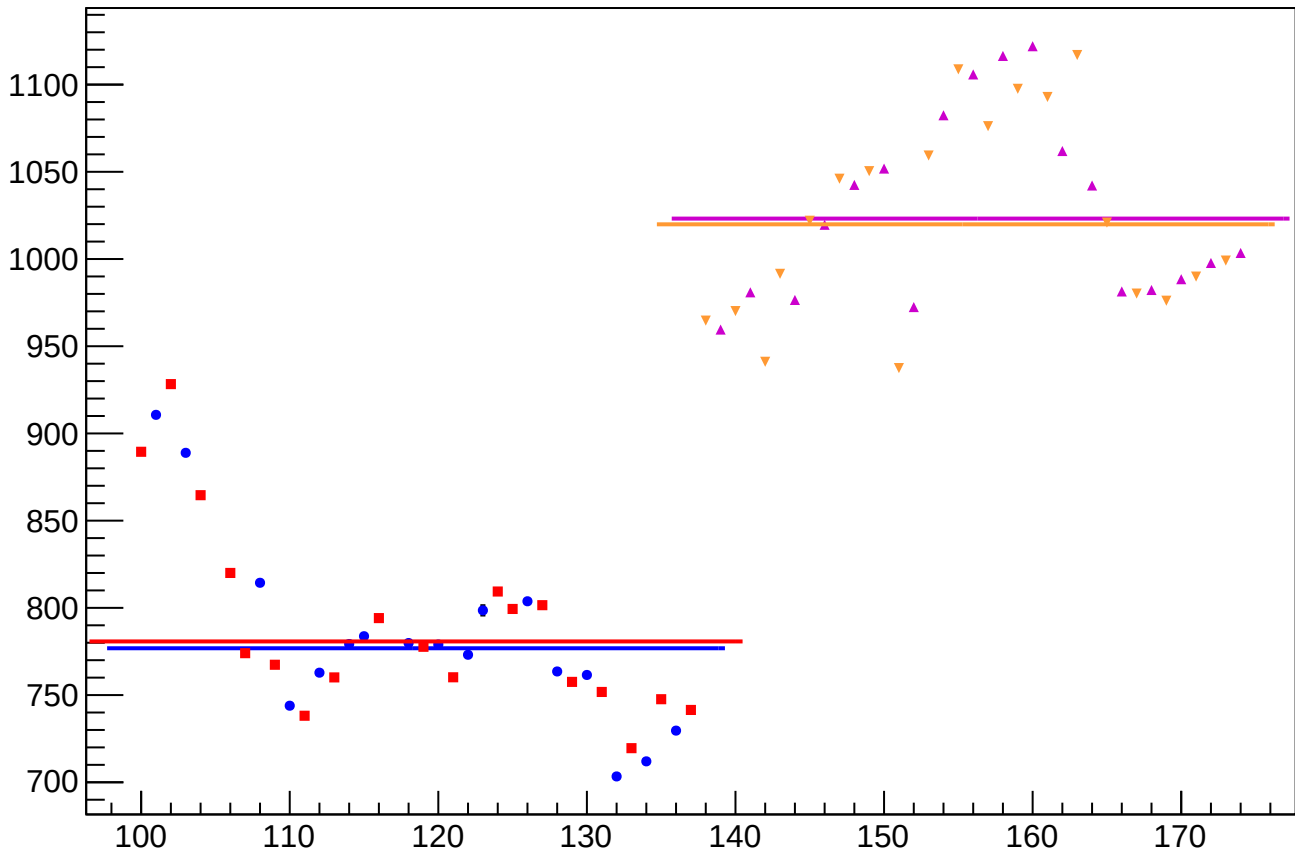
Left In: 19.185 $\pm$ 0.275 χ^2 /NDF:5617.9/17

+ sign 29.686 $\pm$ 0.201 χ^2 /NDF: 9060.5/35

All: 24.694 $\pm$ 0.142 χ^2 /NDF: 27202.4/72

- 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: 1019.892 $\pm$ 0.192 χ^2 /NDF: 81995.6/18

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

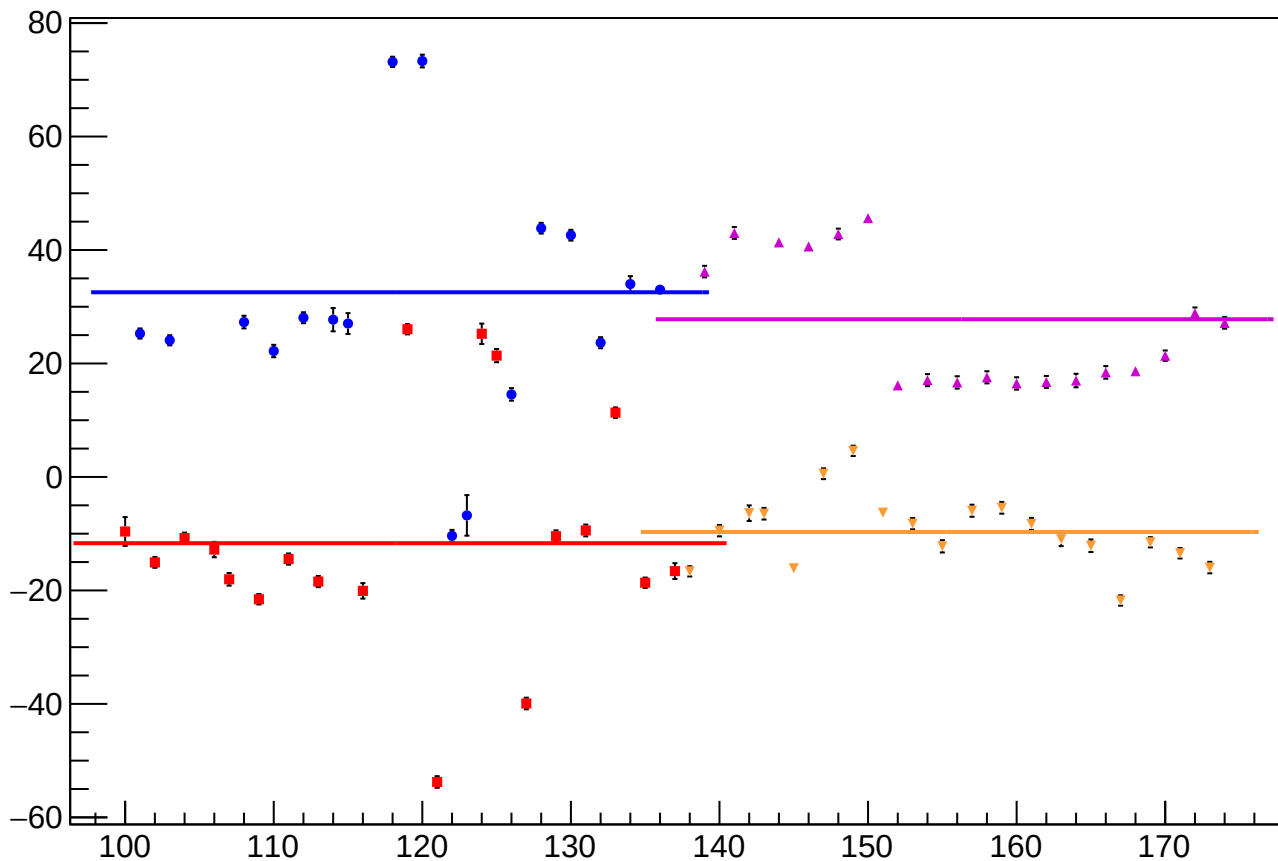
Left In: 1023.174 $\pm$ 0.194 χ^2 /NDF: 67751.0/17

+ sign 910.640 $\pm$ 0.142 χ^2 /NDF: 872682.9/35

All: 910.094 $\pm$ 0.100 χ^2 /NDF: 1727656.9/72

- 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: -9.696 $\pm$ 0.227 χ^2 /NDF: 781.1/18

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

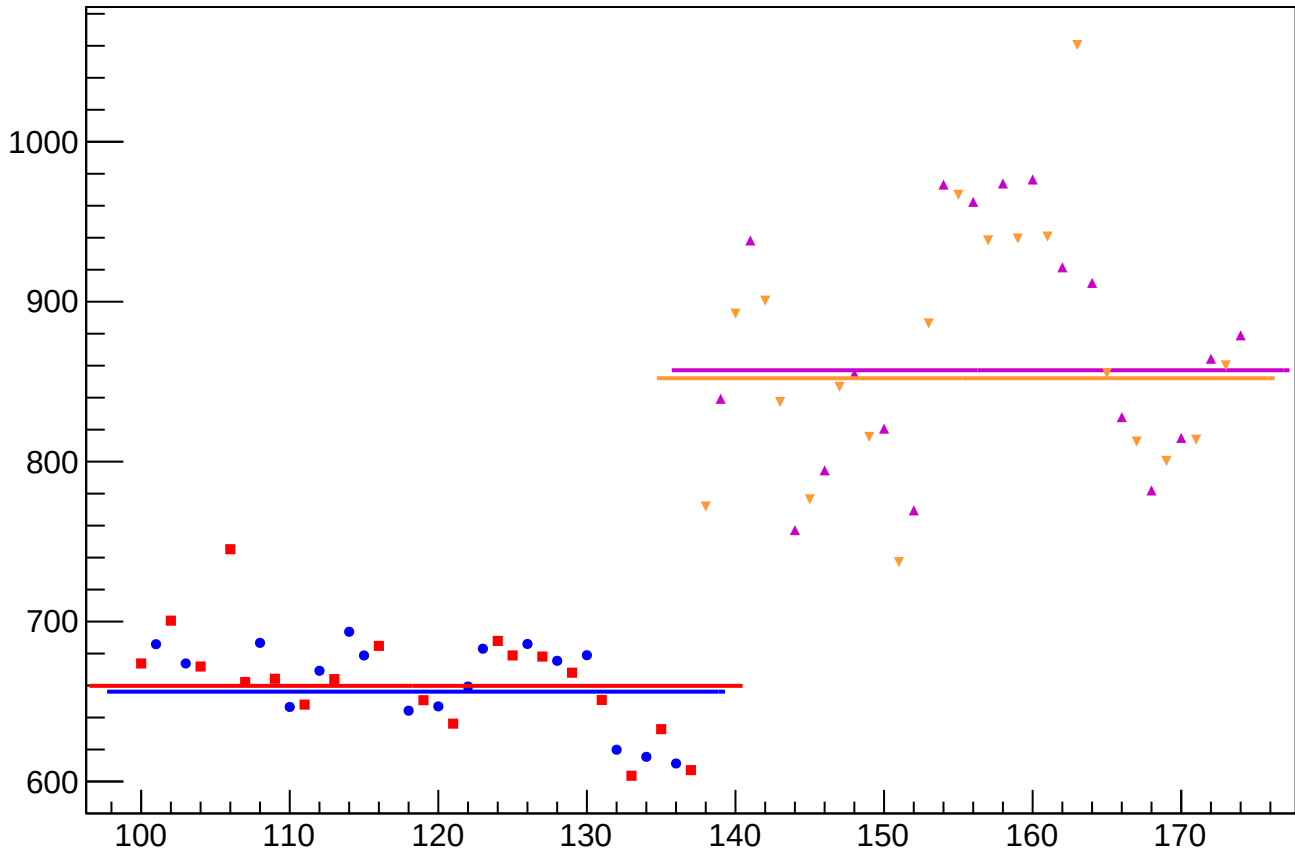
Left In: 27.797 $\pm$ 0.231 χ^2 /NDF: 2438.2/17

+ sign 9.198 $\pm$ 0.169 χ^2 /NDF: 22285.7/35

All: 9.275 $\pm$ 0.119 χ^2 /NDF: 44686.3/72

- sign 9.352 $\pm$ 0.169 χ^2 /NDF: 22400.2/36

diff_bpm1i04Y_rms vs Slug



Right In: 656.181 $\pm$ 0.179 χ^2 /NDF: 23569.6/16

Left Out: 852.153 $\pm$ 0.161 χ^2 /NDF: 216192.5/18

Right Out: 659.813 $\pm$ 0.175 χ^2 /NDF: 28325.7/18

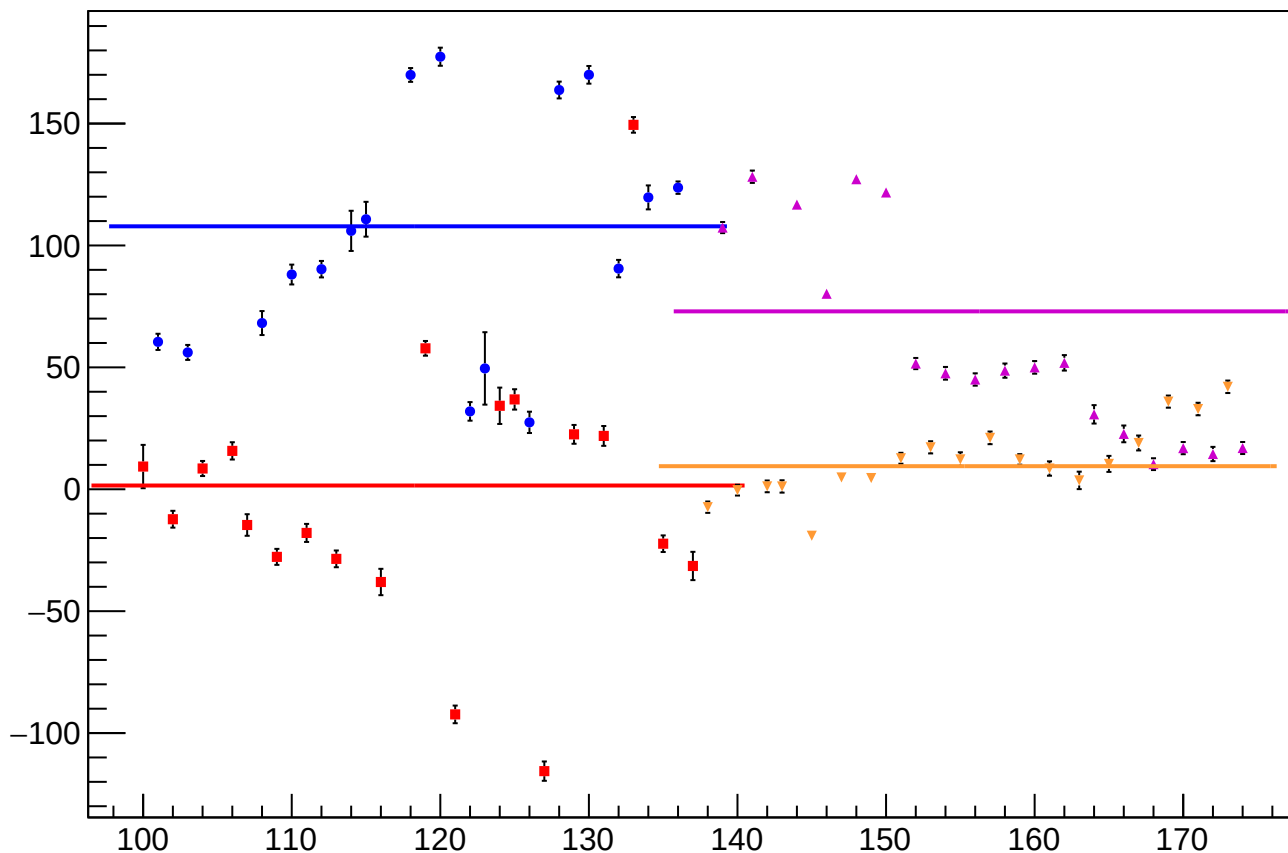
Left In: 857.134 $\pm$ 0.164 χ^2 /NDF: 200179.1/17

+ sign 764.512 $\pm$ 0.120 χ^2 /NDF: 903823.0/35

All: 764.719 $\pm$ 0.084 χ^2 /NDF: 1812312.1/72

- sign 764.926 $\pm$ 0.119 χ^2 /NDF: 908483.1/36

diff_bpm1i06X_mean vs Slug



Right In: 107.852 ± 0.922 χ^2/NDF : 2809.0/16

Left Out: 9.469 ± 0.550 χ^2/NDF : 712.3/18

Right Out: 1.542 ± 0.883 χ^2/NDF : 4523.8/18

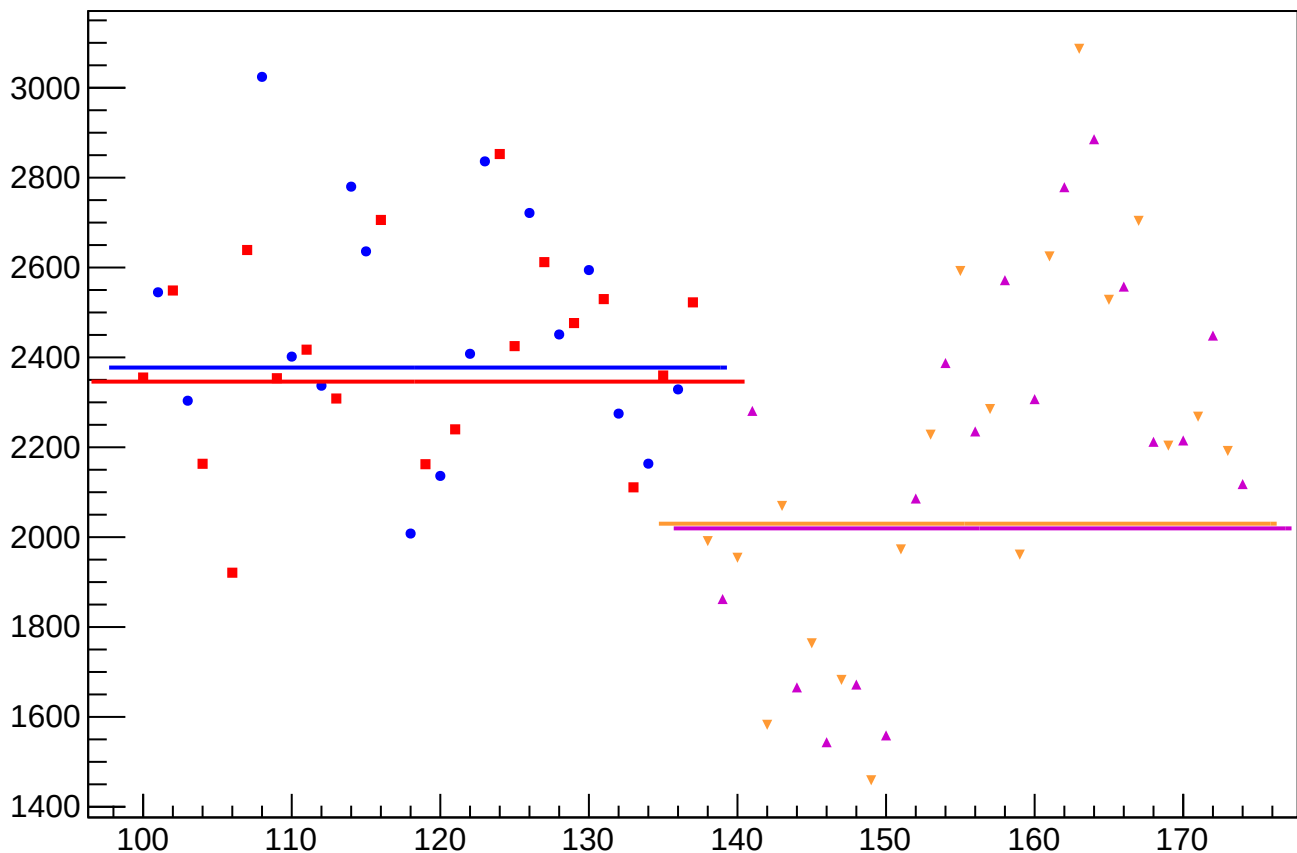
Left In: 72.967 ± 0.555 χ^2/NDF : 5881.8/17

+ sign 35.296 ± 0.472 χ^2/NDF : 11926.9/35

All: 44.071 ± 0.333 χ^2/NDF : 27708.5/72

- sign 52.760 ± 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: 2029.979+/-0.389 χ^2/NDF : 961019.6/18

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

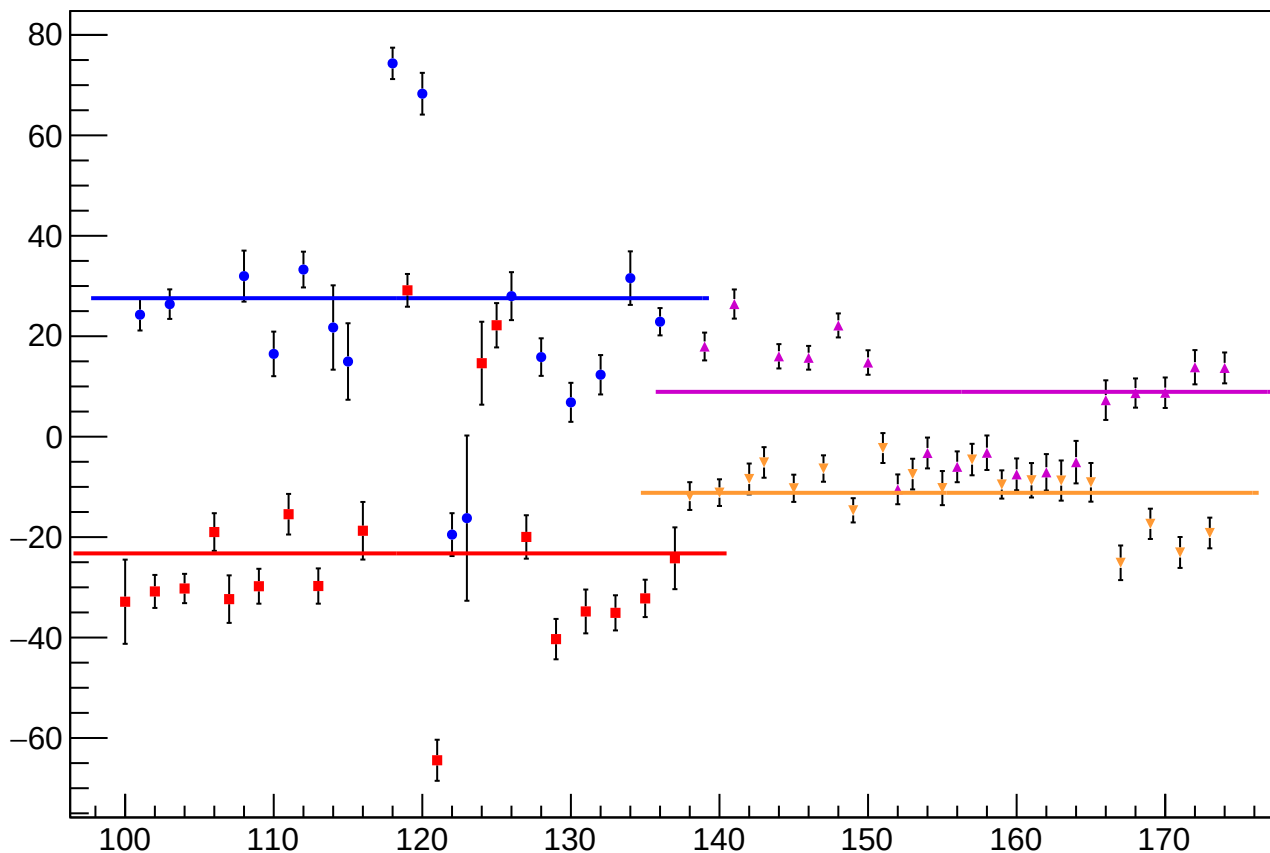
Left In: 2019.519+/-0.392 χ^2/NDF : 970705.3/17

+ sign 2121.188+/-0.334 χ^2/NDF : 1290334.7/35

All: 2116.530+/-0.235 χ^2/NDF : 2565755.5/72

- sign 2111.919+/-0.332 χ^2/NDF : 1275033.6/36

diff_bpm1i06Y_mean vs Slug



Right In: 27.577 $\pm$ 0.975 χ^2 /NDF: 519.6/16

Left Out: -11.179 $\pm$ 0.691 χ^2 /NDF: 69.2/18

Right Out: -23.243 $\pm$ 0.927 χ^2 /NDF: 557.9/18

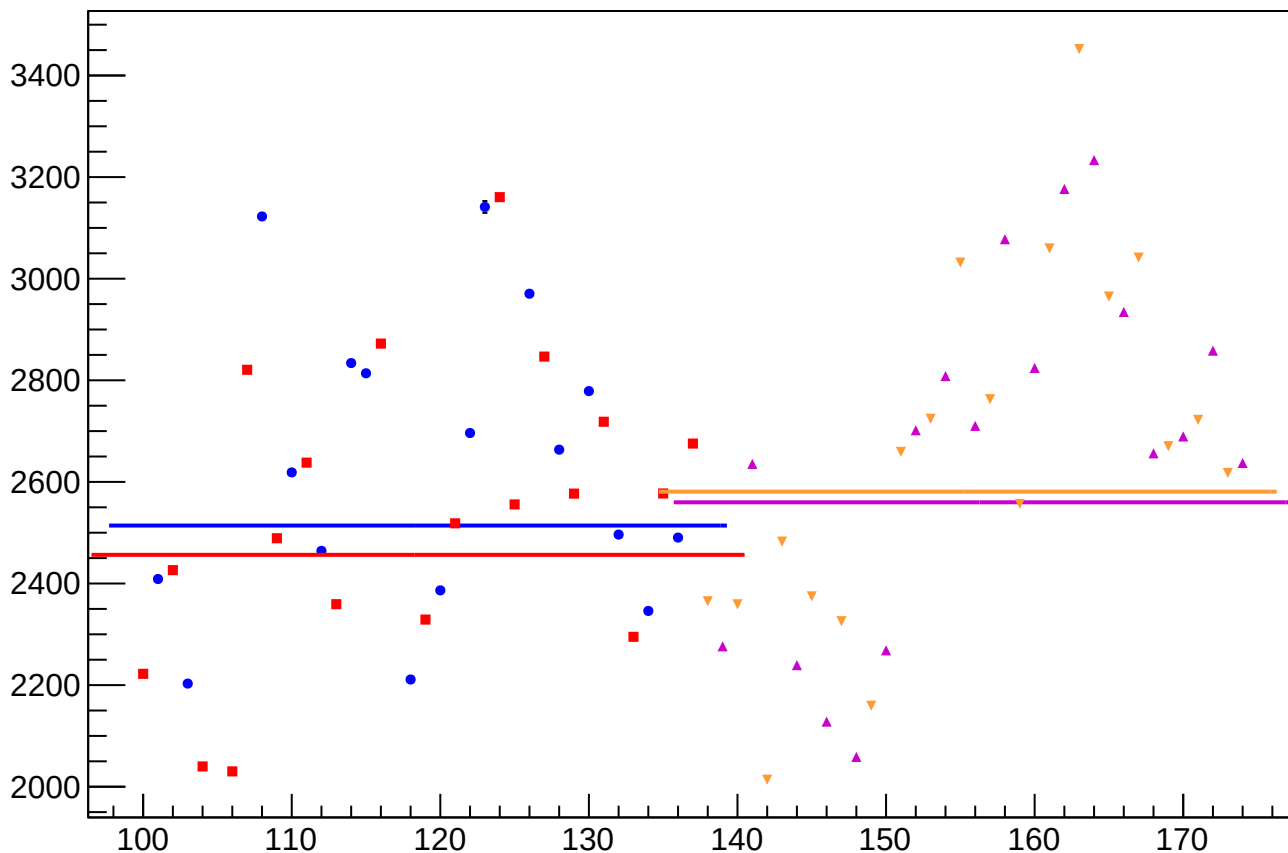
Left In: 8.926 $\pm$ 0.696 χ^2 /NDF: 256.6/17

+ sign 1.782 $\pm$ 0.564 χ^2 /NDF: 1640.9/35

All: -0.471 $\pm$ 0.396 χ^2 /NDF: 3257.1/72

- sign -2.666 $\pm$ 0.556 χ^2 /NDF: 1584.8/36

diff_bpm1i06Y_rms vs Slug



Right In: 2514.088 $\pm$ 0.689 χ^2 /NDF: 120961.3/16

Left Out: 2580.824 $\pm$ 0.489 χ^2 /NDF: 431052.4/18

Right Out: 2456.460 $\pm$ 0.655 χ^2 /NDF: 149732.7/18

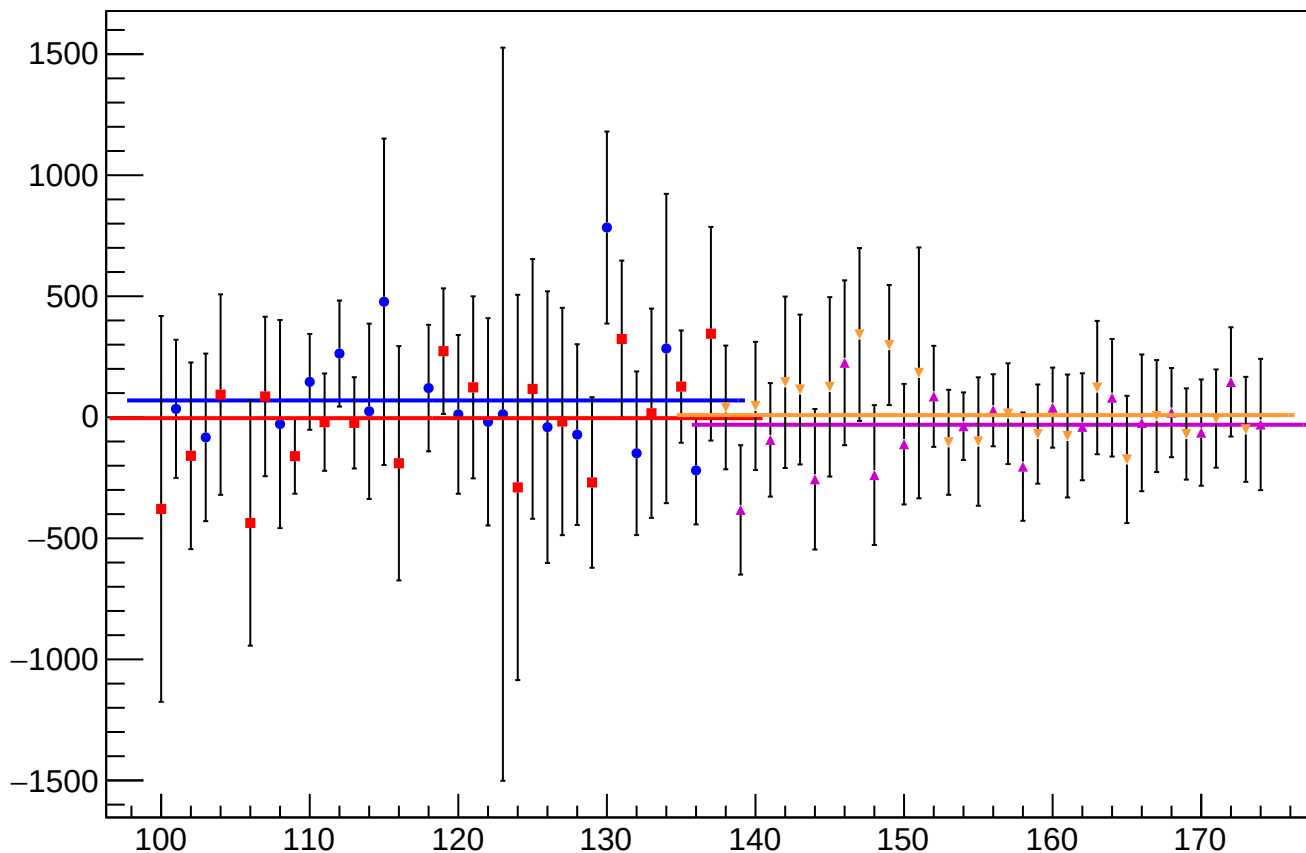
Left In: 2559.881 $\pm$ 0.492 χ^2 /NDF: 471240.2/17

+ sign 2558.506 $\pm$ 0.399 χ^2 /NDF: 558253.1/35

All: 2540.328 $\pm$ 0.280 χ^2 /NDF: 1199255.9/72

- sign 2522.614 $\pm$ 0.393 χ^2 /NDF: 636896.4/36

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 69.587+/-79.023 χ^2/NDF : 7.3/16

Left Out: 9.036+/-57.630 χ^2/NDF : 4.4/18

Right Out: -3.562+/-69.980 χ^2/NDF : 6.4/18

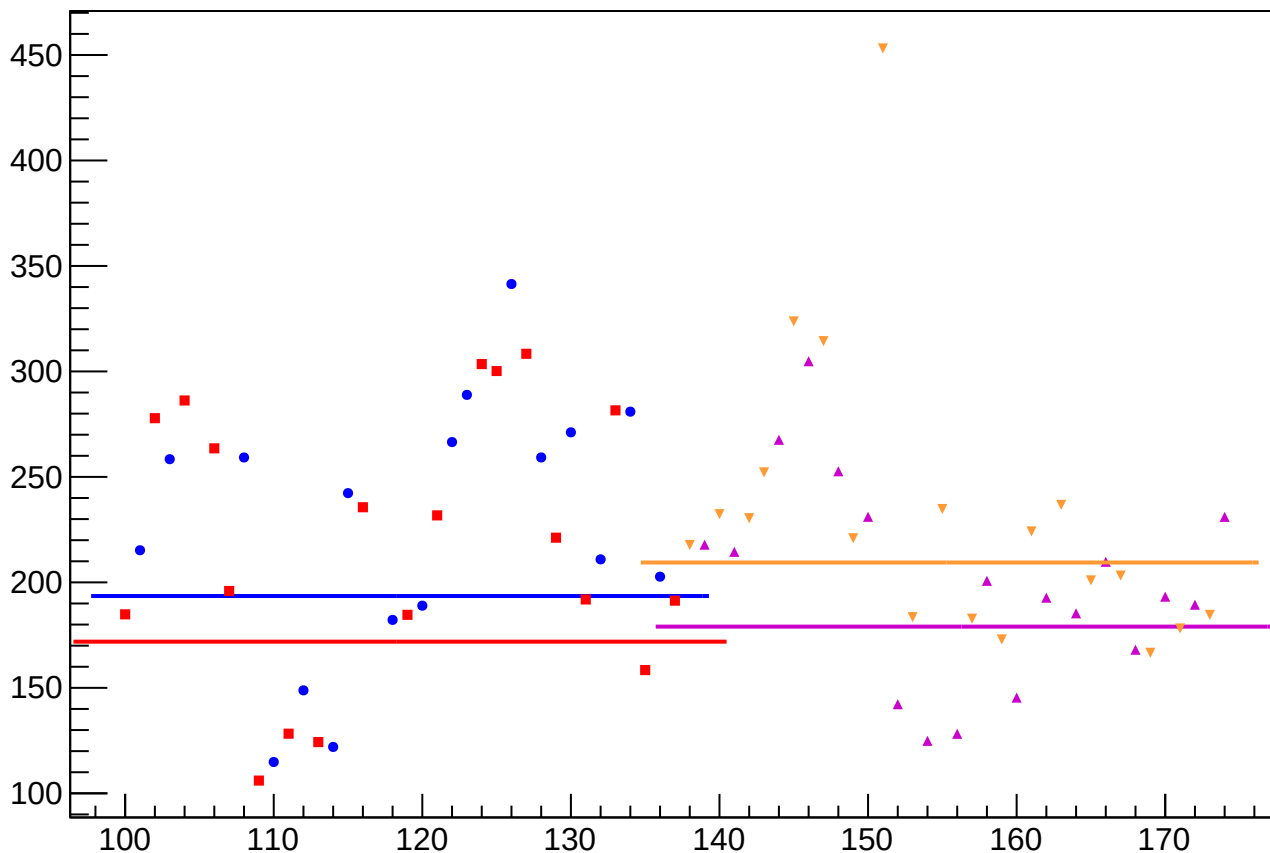
Left In: -30.767+/-50.632 χ^2/NDF : 5.8/17

+ sign 30.059+/-46.563 χ^2/NDF : 12.1/35

All: 1.076+/-30.780 χ^2/NDF : 25.0/72

- sign -21.419+/-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: 209.428 $\pm$ 0.041 χ^2 /NDF:1221849.6/18

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

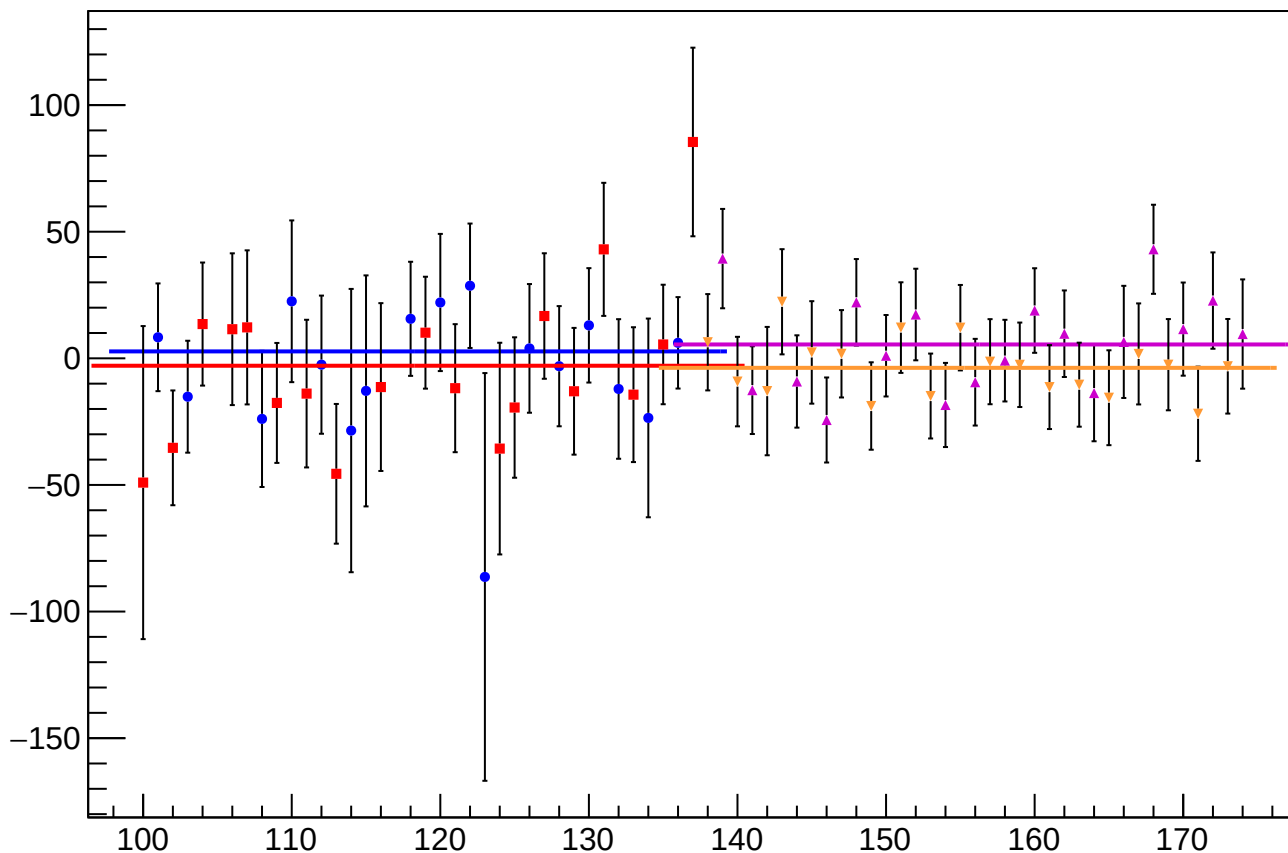
Left In: 179.024 $\pm$ 0.036 χ^2 /NDF:1588022.6/17

+ sign 203.909 $\pm$ 0.033 χ^2 /NDF: 2285100.7/35

All: 188.520 $\pm$ 0.022 χ^2 /NDF: 5851624.8/72

- 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: -3.758 $\pm$ 4.159 χ^2 /NDF: 7.0/18

Right Out: -2.928 $\pm$ 6.279 χ^2 /NDF: 17.8/18

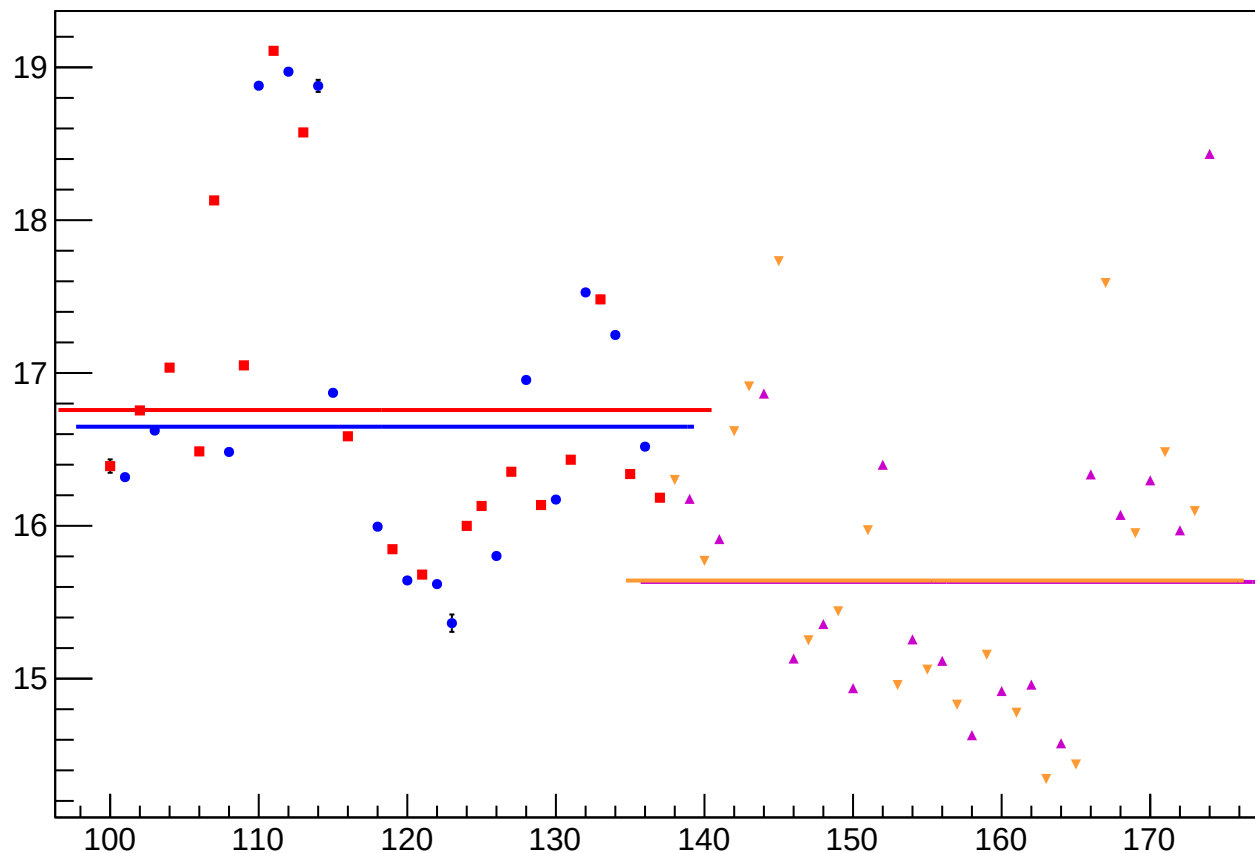
Left In: 5.474 $\pm$ 4.202 χ^2 /NDF: 19.6/17

+ sign -1.841 $\pm$ 3.491 χ^2 /NDF: 14.5/35

All: 0.517 $\pm$ 2.469 χ^2 /NDF: 53.9/72

- 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: 15.642 $\pm$ 0.003 χ^2 /NDF: 99196.1/18

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

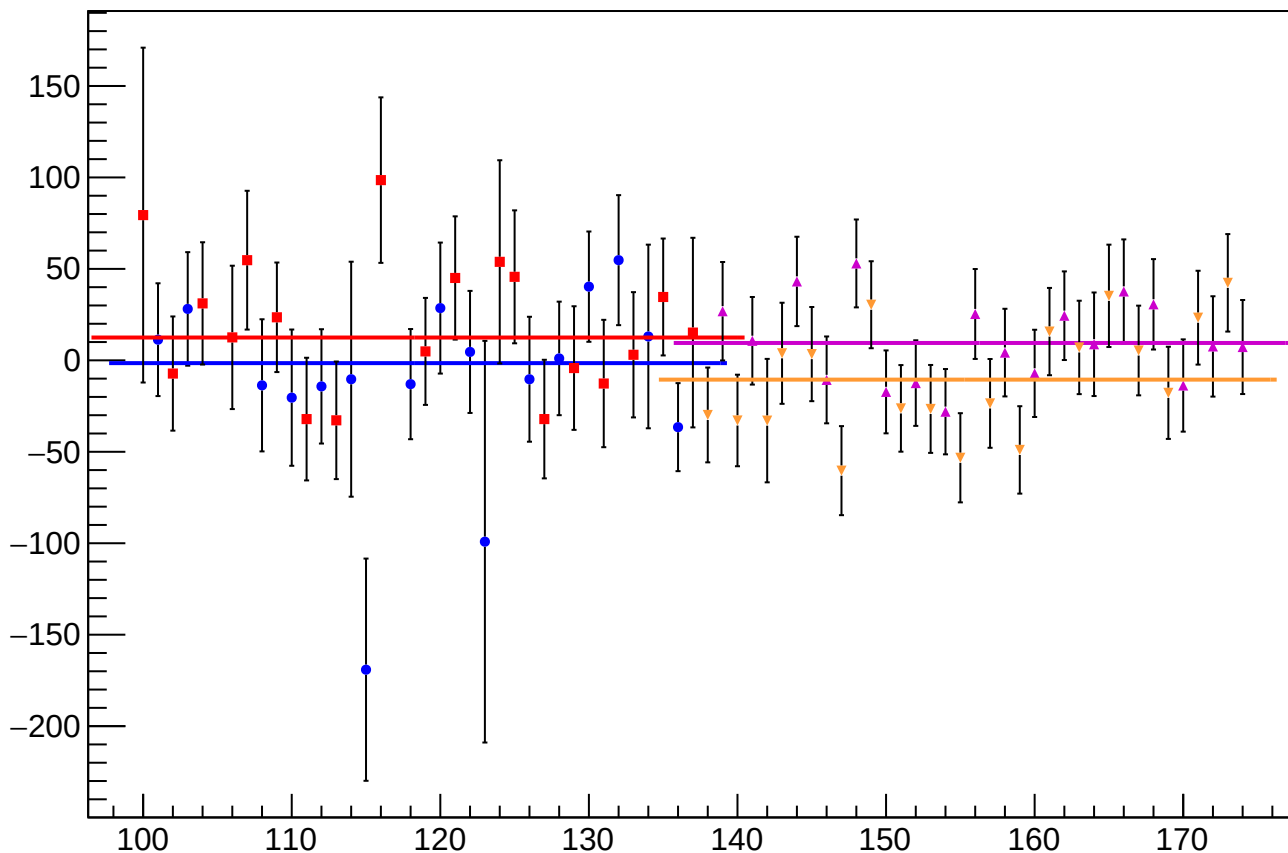
Left In: 15.633 $\pm$ 0.003 χ^2 /NDF: 84518.7/17

+ sign 15.939 $\pm$ 0.002 χ^2 /NDF: 176354.6/35

All: 15.960 $\pm$ 0.002 χ^2 /NDF: 345294.6/72

- 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: -10.545 ± 5.811 χ^2/NDF : 26.9/18

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

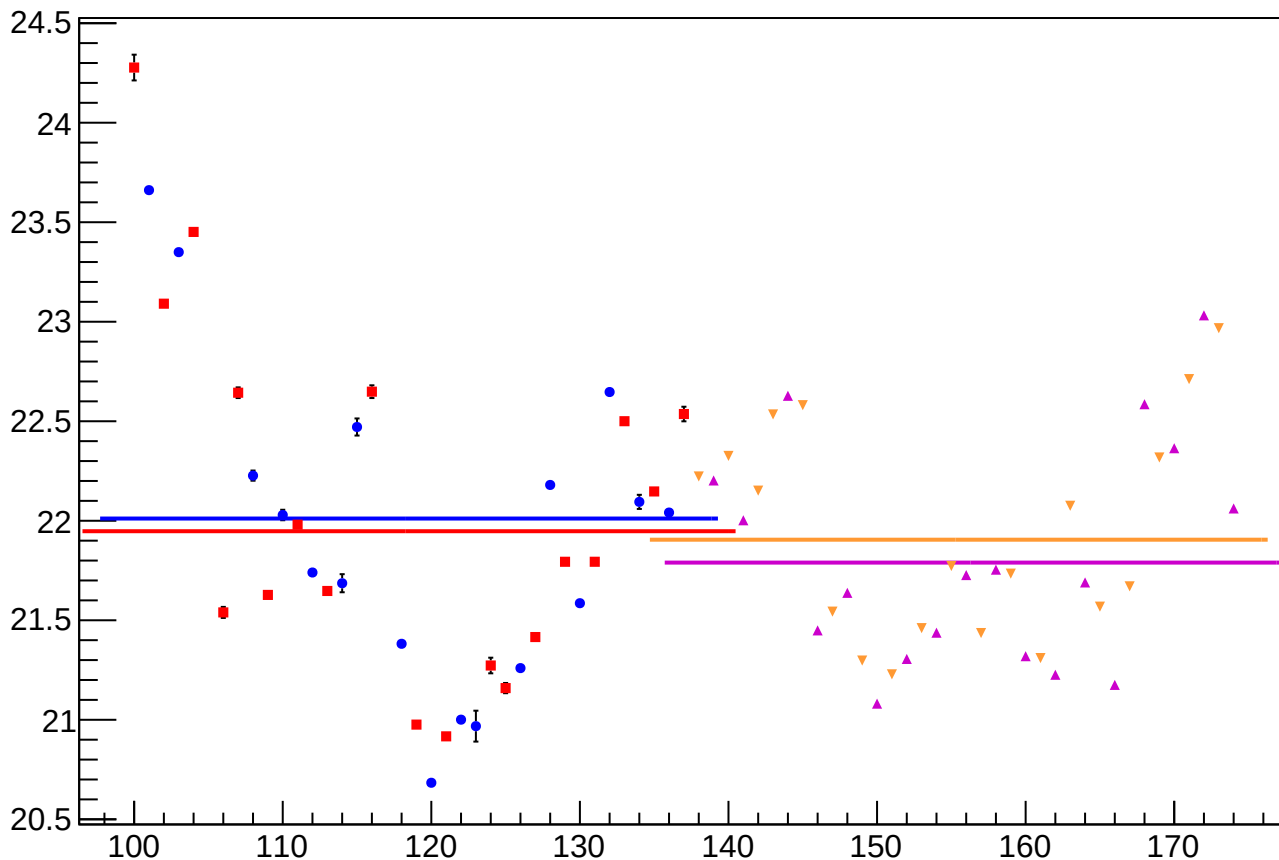
Left In: 9.500 ± 5.841 χ^2/NDF : 15.1/17

+ sign -7.664 ± 4.794 χ^2/NDF : 45.3/35

All: 1.484 ± 3.378 χ^2/NDF : 83.3/72

- 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 $\pm$ 0.006 χ^2 /NDF: 17546.9/16

Left Out: 21.905 $\pm$ 0.004 χ^2 /NDF: 15857.7/18

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

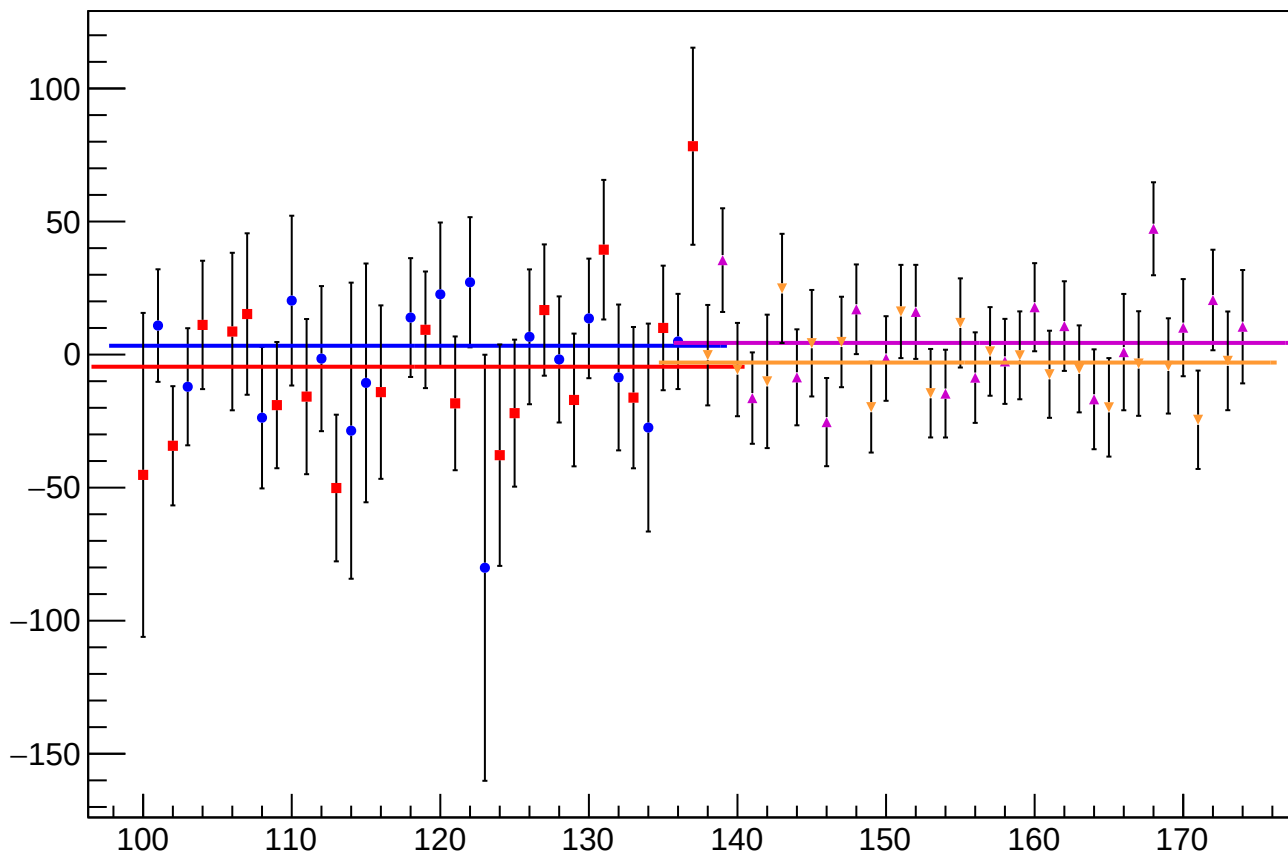
Left In: 21.790 $\pm$ 0.004 χ^2 /NDF: 17009.9/17

+ sign 21.939 $\pm$ 0.003 χ^2 /NDF: 33618.4/35

All: 21.890 $\pm$ 0.002 χ^2 /NDF: 68114.5/72

- sign 21.843 $\pm$ 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 $\pm$ 6.388 χ^2 /NDF: 6.3/16

Left Out: -2.996 $\pm$ 4.115 χ^2 /NDF: 8.1/18

Right Out: -4.561 $\pm$ 6.244 χ^2 /NDF: 17.7/18

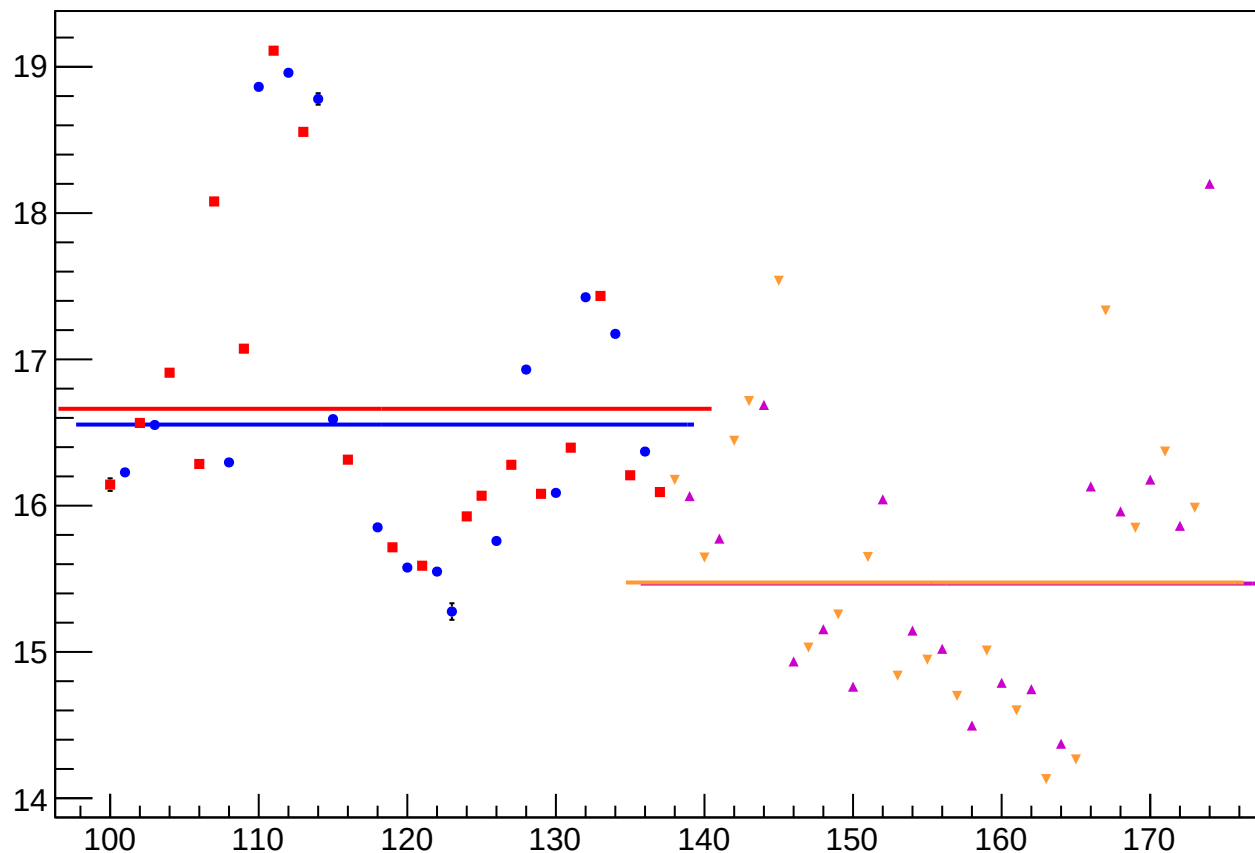
Left In: 4.389 $\pm$ 4.157 χ^2 /NDF: 20.0/17

+ sign -1.145 $\pm$ 3.459 χ^2 /NDF: 15.1/35

All: 0.247 $\pm$ 2.446 χ^2 /NDF: 54.6/72

- sign 1.640 $\pm$ 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: 15.475 $\pm$ 0.003 χ^2 /NDF: 99986.4/18

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

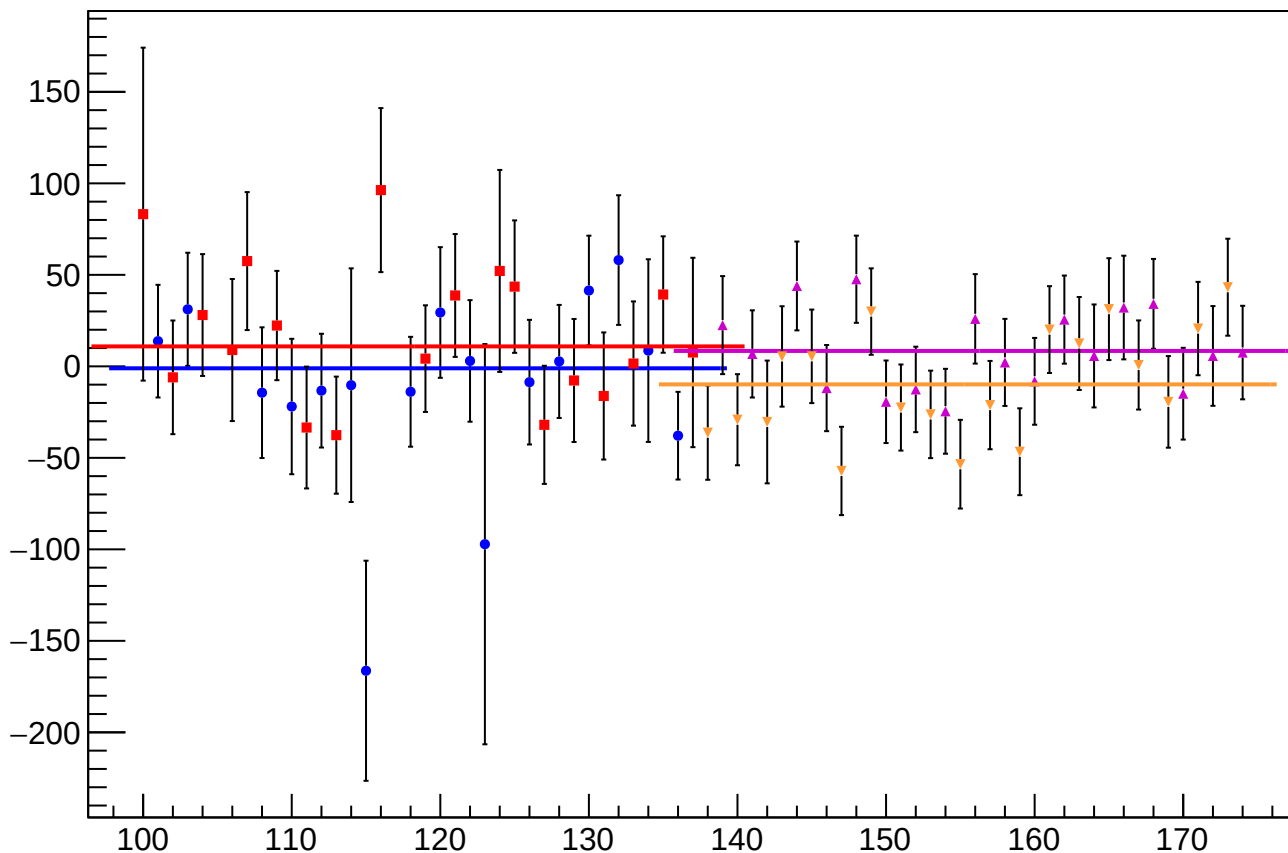
Left In: 15.468 $\pm$ 0.003 χ^2 /NDF: 84131.9/17

+ sign 15.791 $\pm$ 0.002 χ^2 /NDF: 184828.4/35

All: 15.813 $\pm$ 0.002 χ^2 /NDF: 362922.0/72

- 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 ± 8.444 χ^2/NDF : 18.5/16

Left Out: -9.853 ± 5.774 χ^2/NDF : 26.3/18

Right Out: 10.900 ± 8.169 χ^2/NDF : 16.2/18

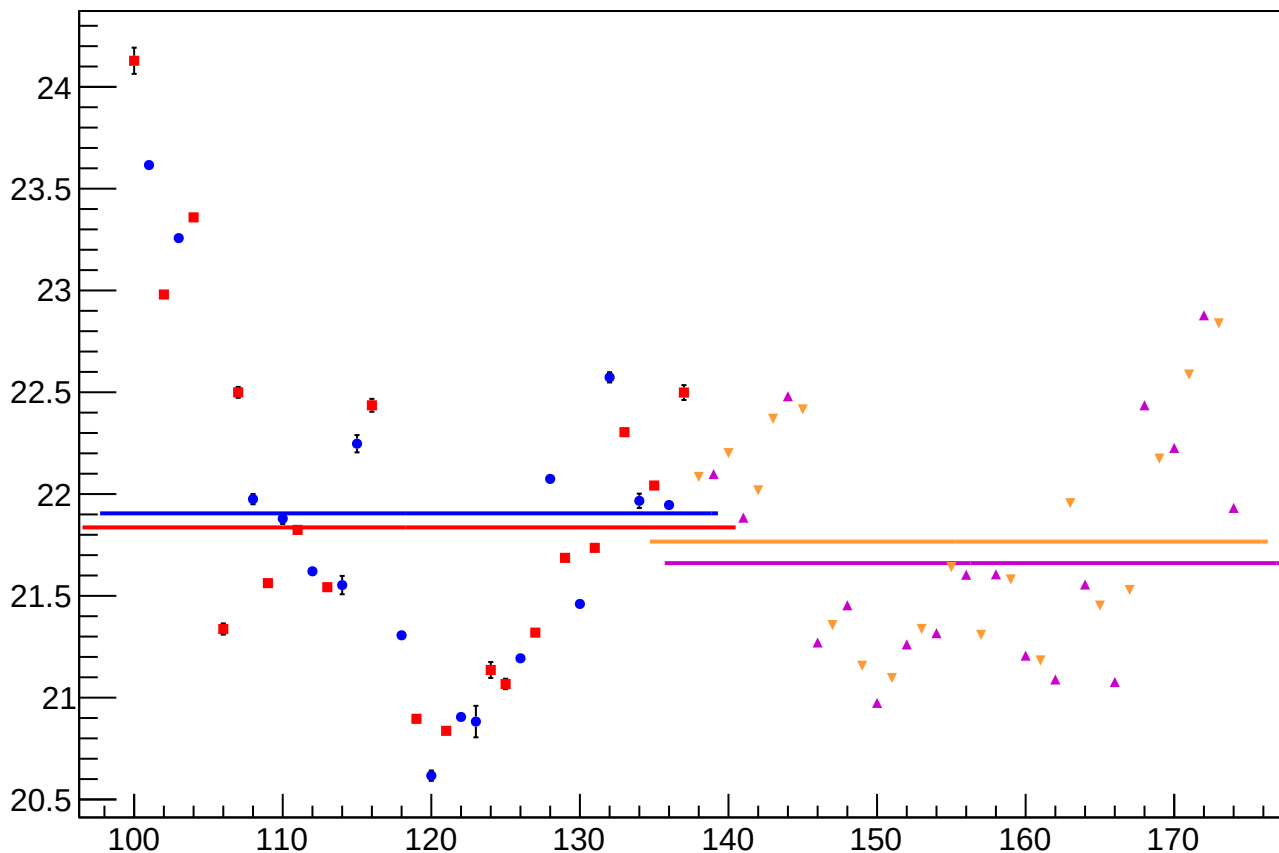
Left In: 8.418 ± 5.806 χ^2/NDF : 14.5/17

+ sign -7.055 ± 4.766 χ^2/NDF : 45.5/35

All: 1.156 ± 3.358 χ^2/NDF : 82.2/72

- sign 9.251 ± 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: 21.766 $\pm$ 0.004 χ^2 /NDF: 15997.2/18

Right Out: 21.836 $\pm$ 0.006 χ^2 /NDF: 16251.2/18

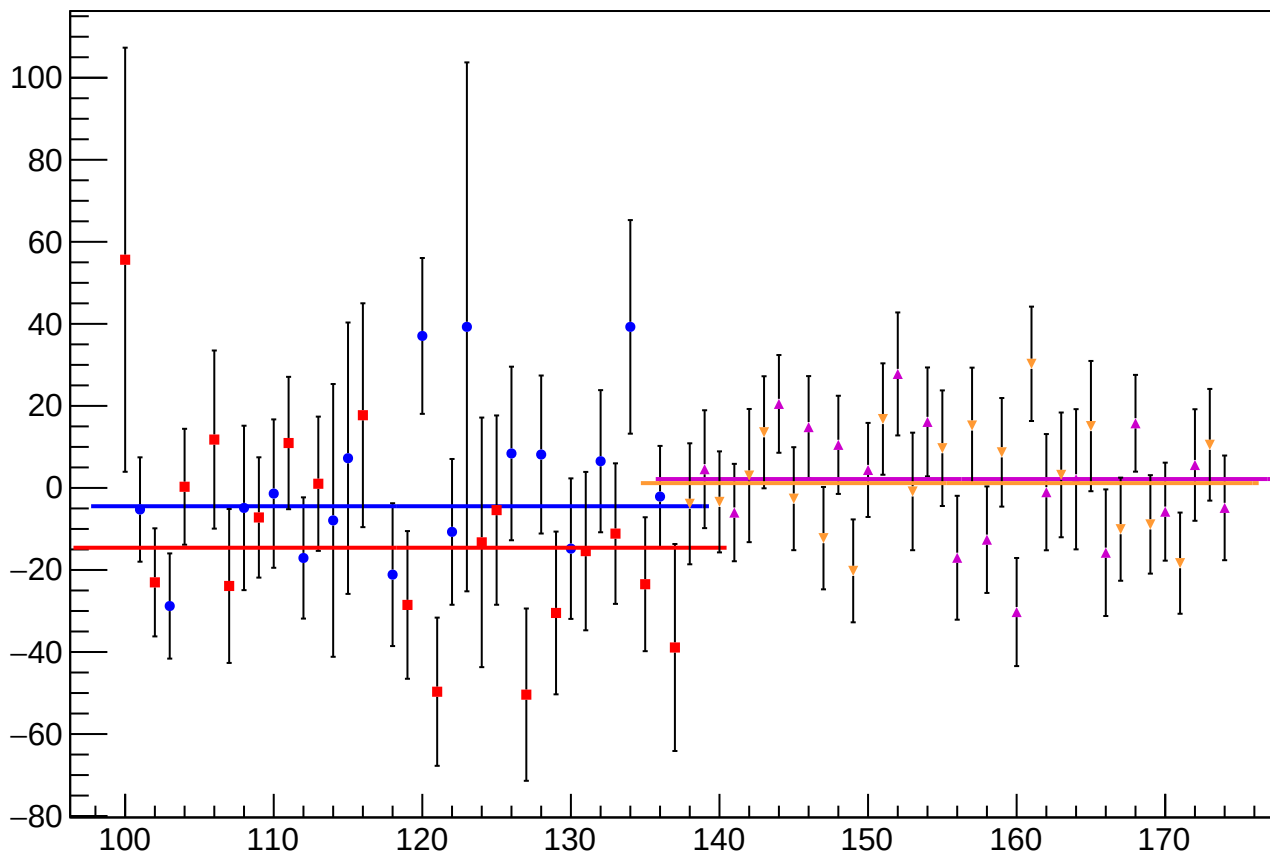
Left In: 21.661 $\pm$ 0.004 χ^2 /NDF: 16556.8/17

+ sign 21.811 $\pm$ 0.003 χ^2 /NDF: 34159.5/35

All: 21.765 $\pm$ 0.002 χ^2 /NDF: 67946.8/72

- 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: 1.171 ± 3.098 χ^2/NDF : 17.9/18

Right Out: -14.579 ± 4.264 χ^2/NDF : 19.5/18

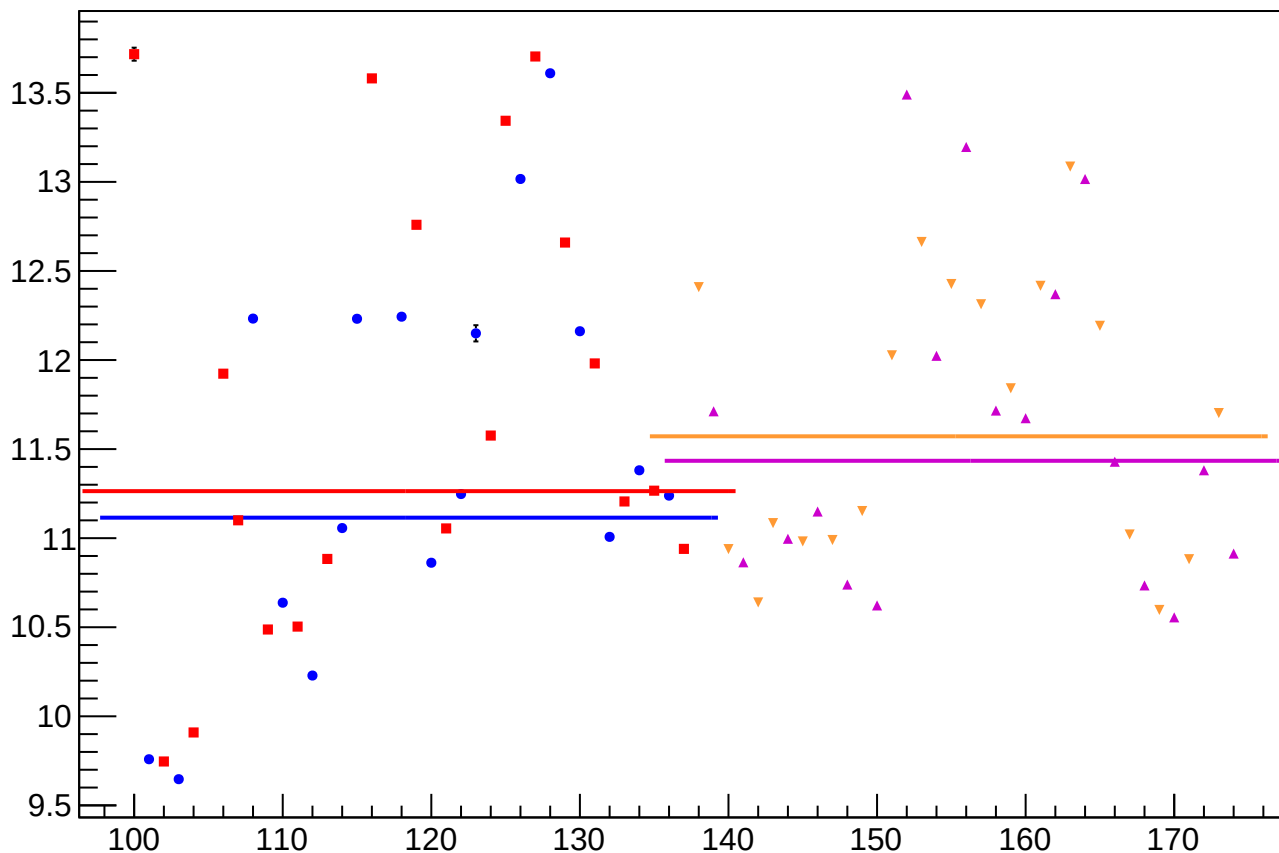
Left In: 2.167 ± 3.092 χ^2/NDF : 21.0/17

+ sign -0.736 ± 2.519 χ^2/NDF : 34.2/35

All: -2.179 ± 1.776 χ^2/NDF : 85.4/72

- 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: 11.572 $\pm$ 0.002 χ^2 /NDF: 113133.6/18

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

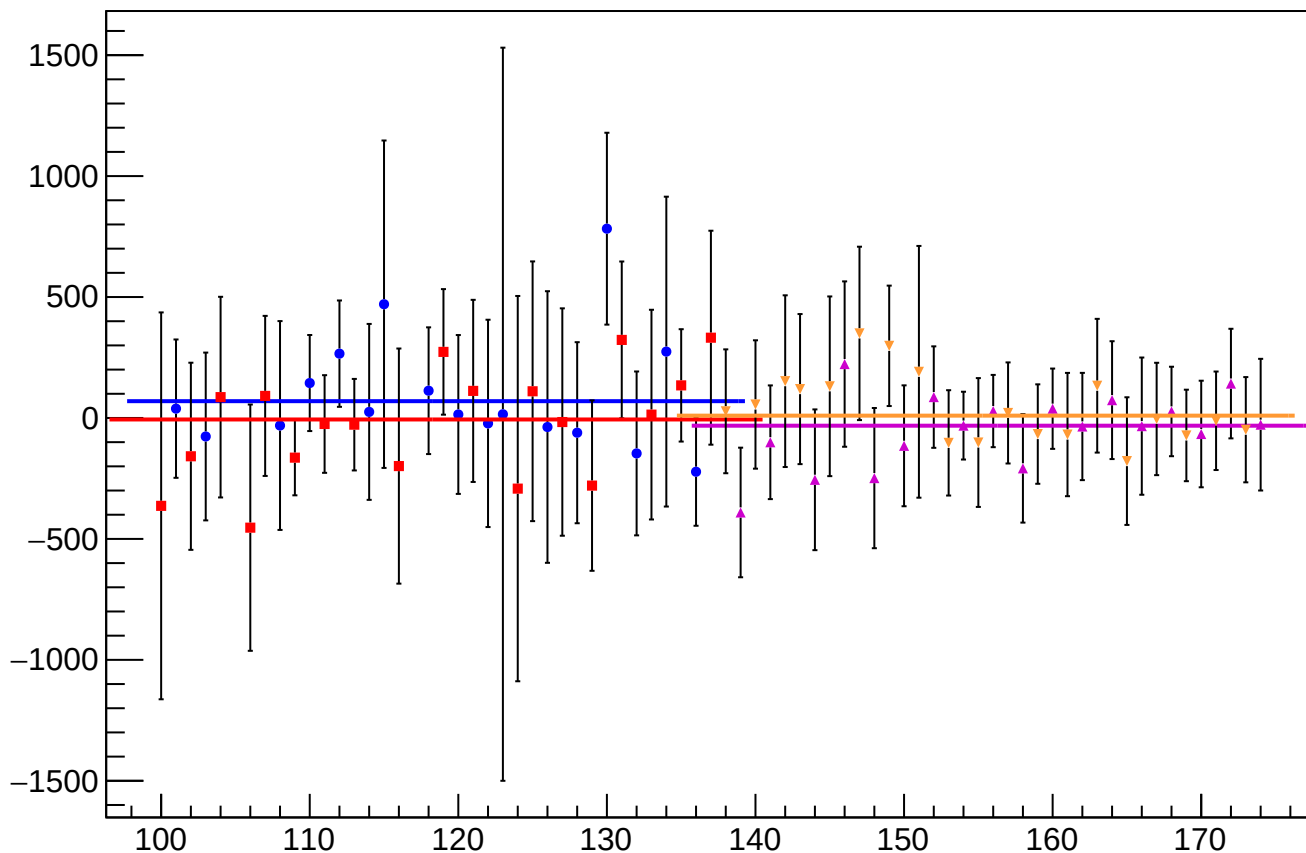
Left In: 11.434 $\pm$ 0.002 χ^2 /NDF: 143321.0/17

+ sign 11.417 $\pm$ 0.002 χ^2 /NDF: 260915.4/35

All: 11.396 $\pm$ 0.001 χ^2 /NDF: 554084.7/72

- 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 $\pm$ 79.231 χ^2 /NDF: 7.3/16

Left Out: 9.641 $\pm$ 57.832 χ^2 /NDF: 4.5/18

Right Out: -6.194 $\pm$ 70.182 χ^2 /NDF: 6.5/18

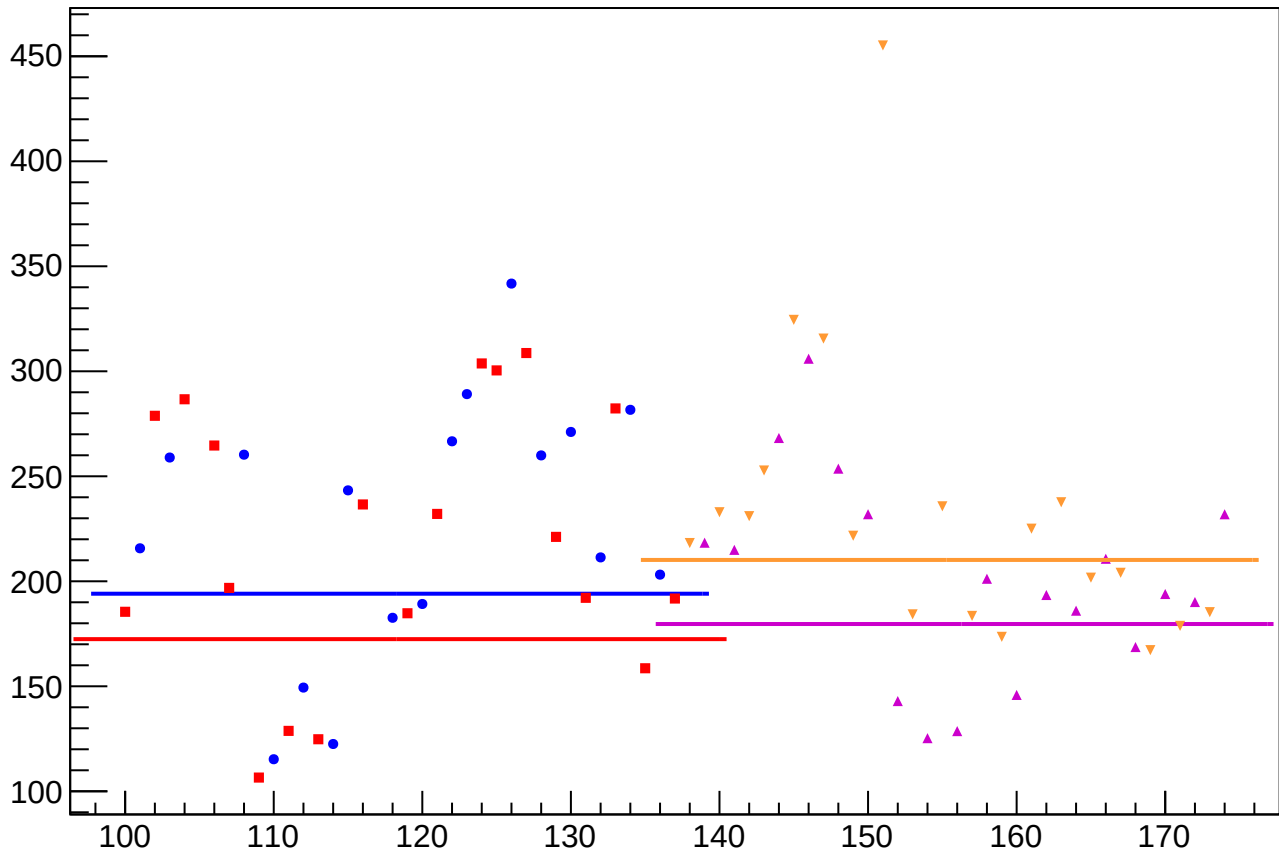
Left In: -31.916 $\pm$ 50.808 χ^2 /NDF: 5.9/17

+ sign 30.437 $\pm$ 46.712 χ^2 /NDF: 12.1/35

All: 0.312 $\pm$ 30.880 χ^2 /NDF: 25.3/72

- sign -23.071 $\pm$ 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: 210.166 $\pm$ 0.041 χ^2 /NDF:1220824.9/18

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

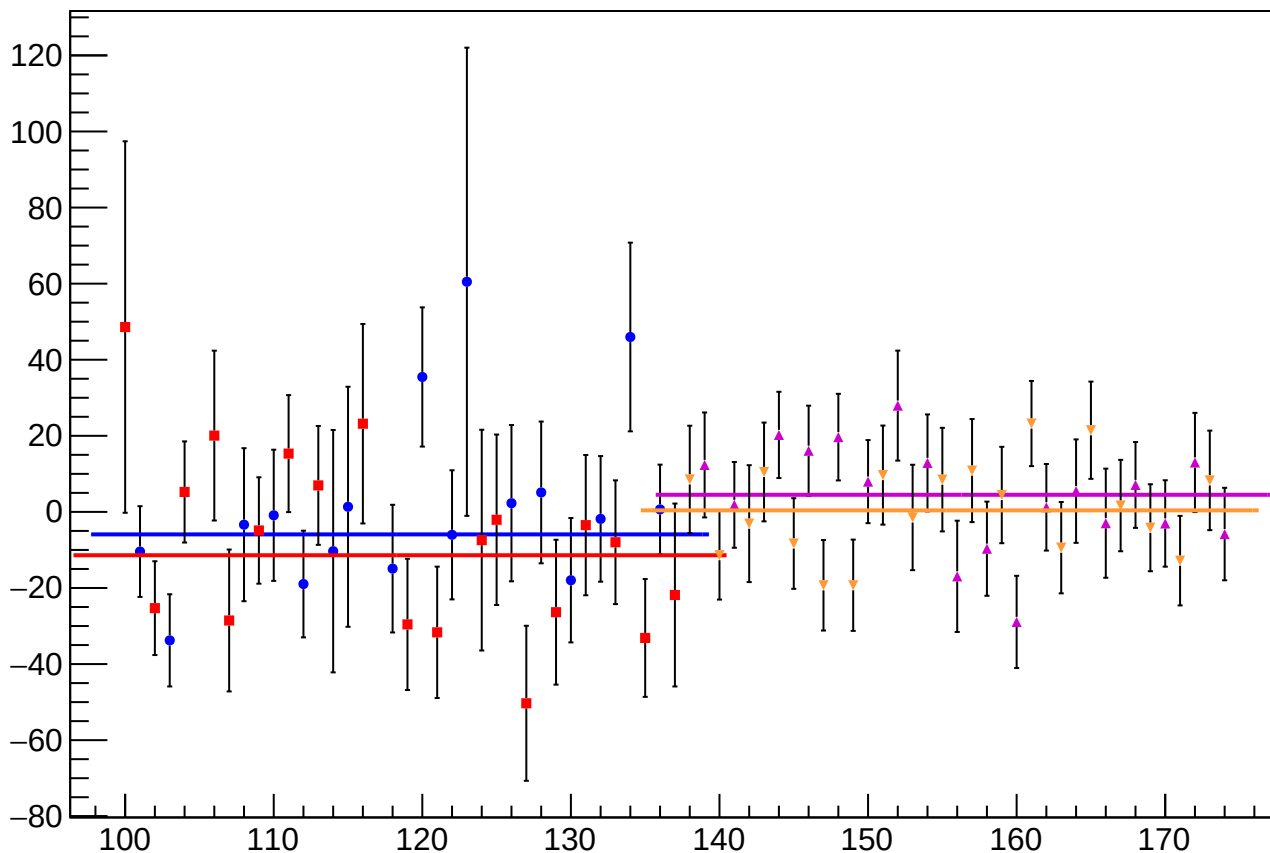
Left In: 179.650 $\pm$ 0.036 χ^2 /NDF:1586262.8/17

+ sign 204.575 $\pm$ 0.033 χ^2 /NDF: 2279994.8/35

All: 189.149 $\pm$ 0.022 χ^2 /NDF: 5836951.5/72

- 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: 0.406 ± 2.881 χ^2/NDF : 18.9/18

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

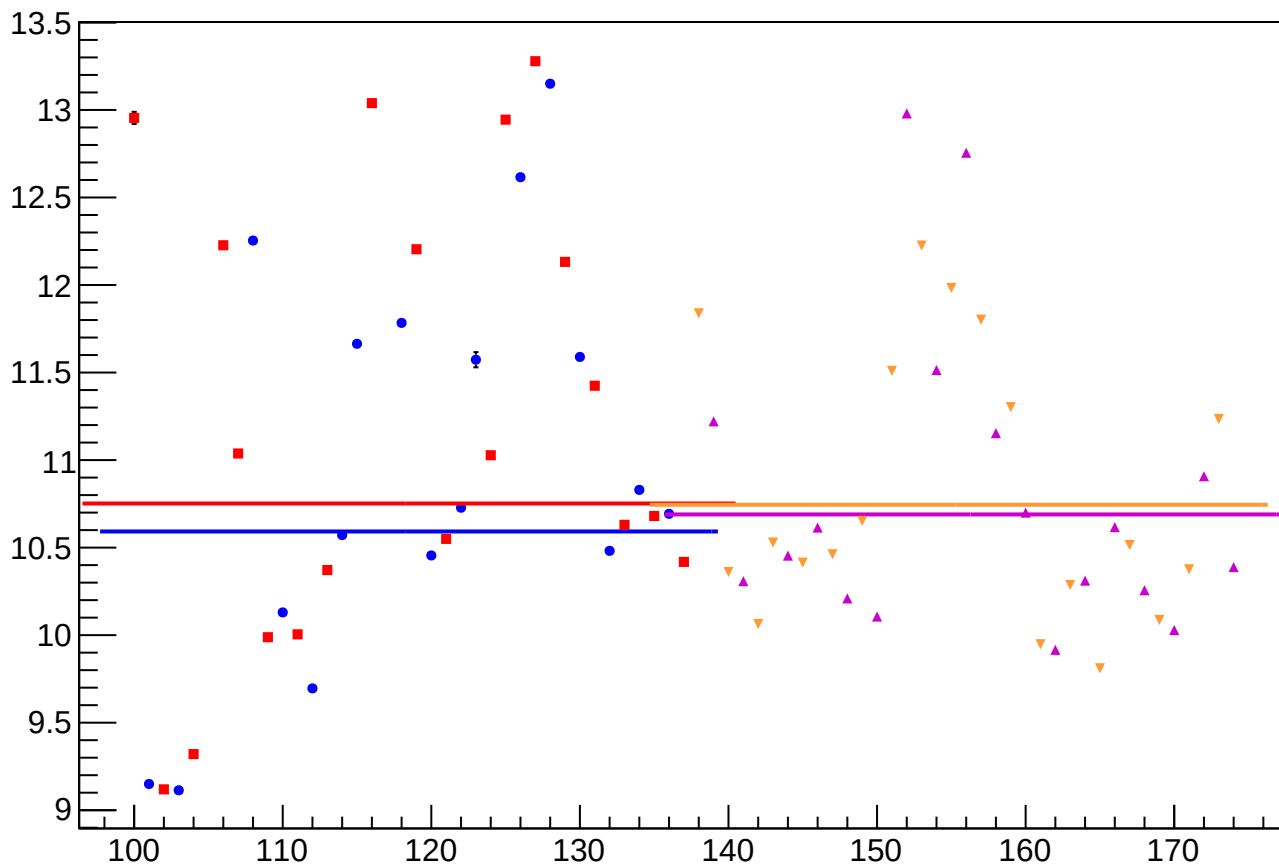
Left In: 4.499 ± 2.895 χ^2/NDF : 21.3/17

+ sign -1.660 ± 2.364 χ^2/NDF : 39.3/35

All: -1.242 ± 1.670 χ^2/NDF : 93.6/72

- 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: 10.745 $\pm$ 0.002 χ^2 /NDF: 119642.1/18

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 176895.3/18

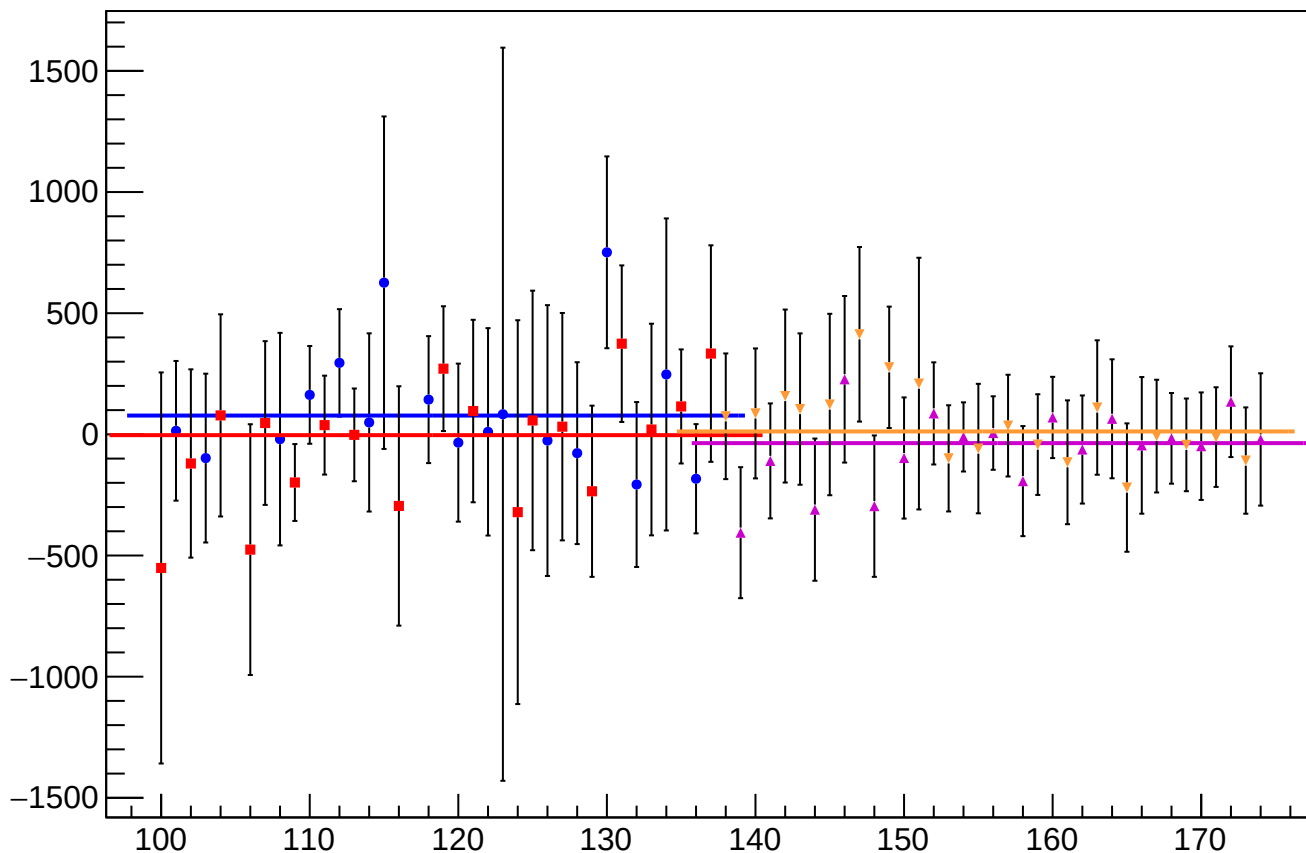
Left In: 10.690 $\pm$ 0.002 χ^2 /NDF: 139132.4/17

+ sign 10.695 $\pm$ 0.002 χ^2 /NDF: 281874.4/35

All: 10.703 $\pm$ 0.001 χ^2 /NDF: 598257.1/72

- 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: 11.992 $\pm$ 58.235 χ^2 /NDF: 4.9/18

Right Out: -3.305 $\pm$ 70.855 χ^2 /NDF: 7.4/18

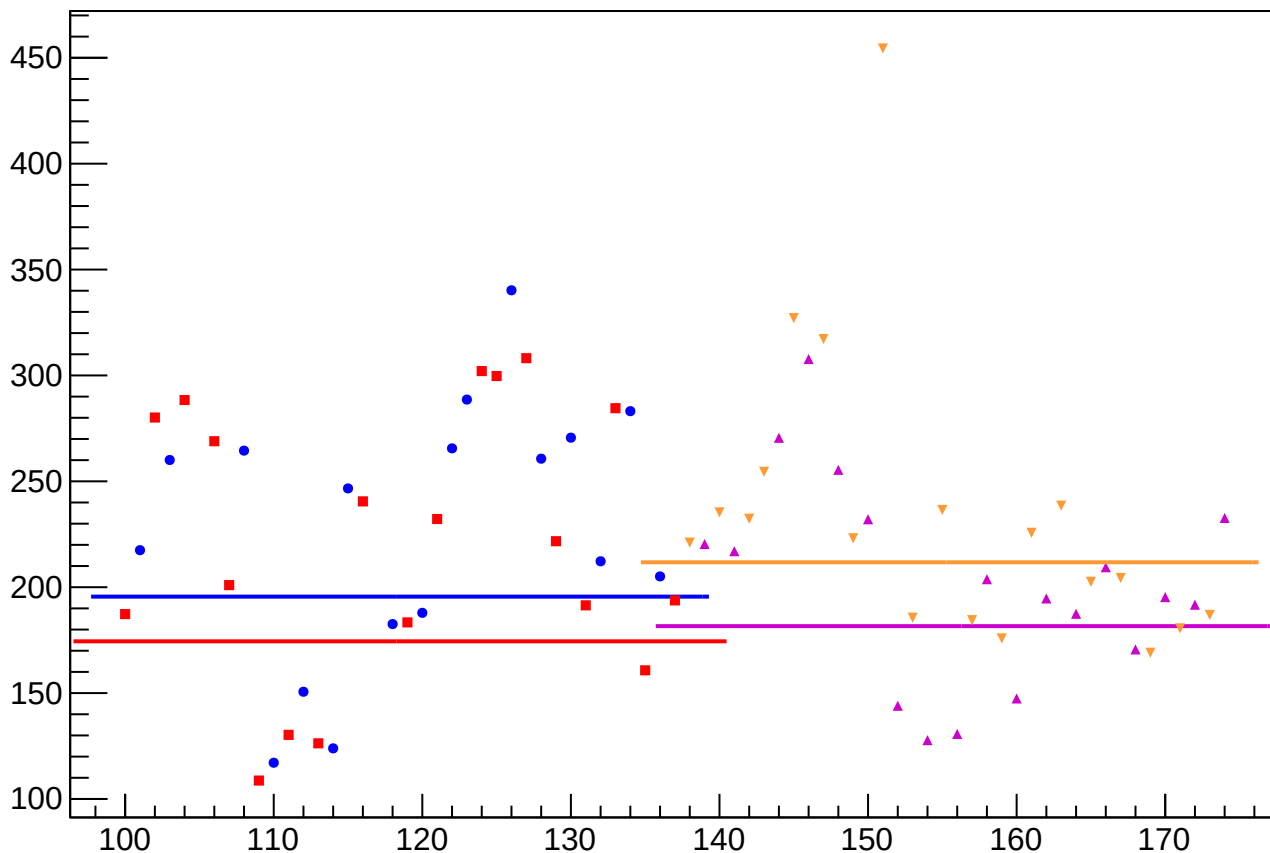
Left In: -36.183 $\pm$ 51.297 χ^2 /NDF: 6.4/17

+ sign 34.806 $\pm$ 47.031 χ^2 /NDF: 12.9/35

All: 1.286 $\pm$ 31.139 χ^2 /NDF: 27.7/72

- 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: 211.771 $\pm$ 0.041 χ^2 /NDF: 1203588.1/18

Right Out: 174.449 $\pm$ 0.050 χ^2 /NDF: 1528629.1/18

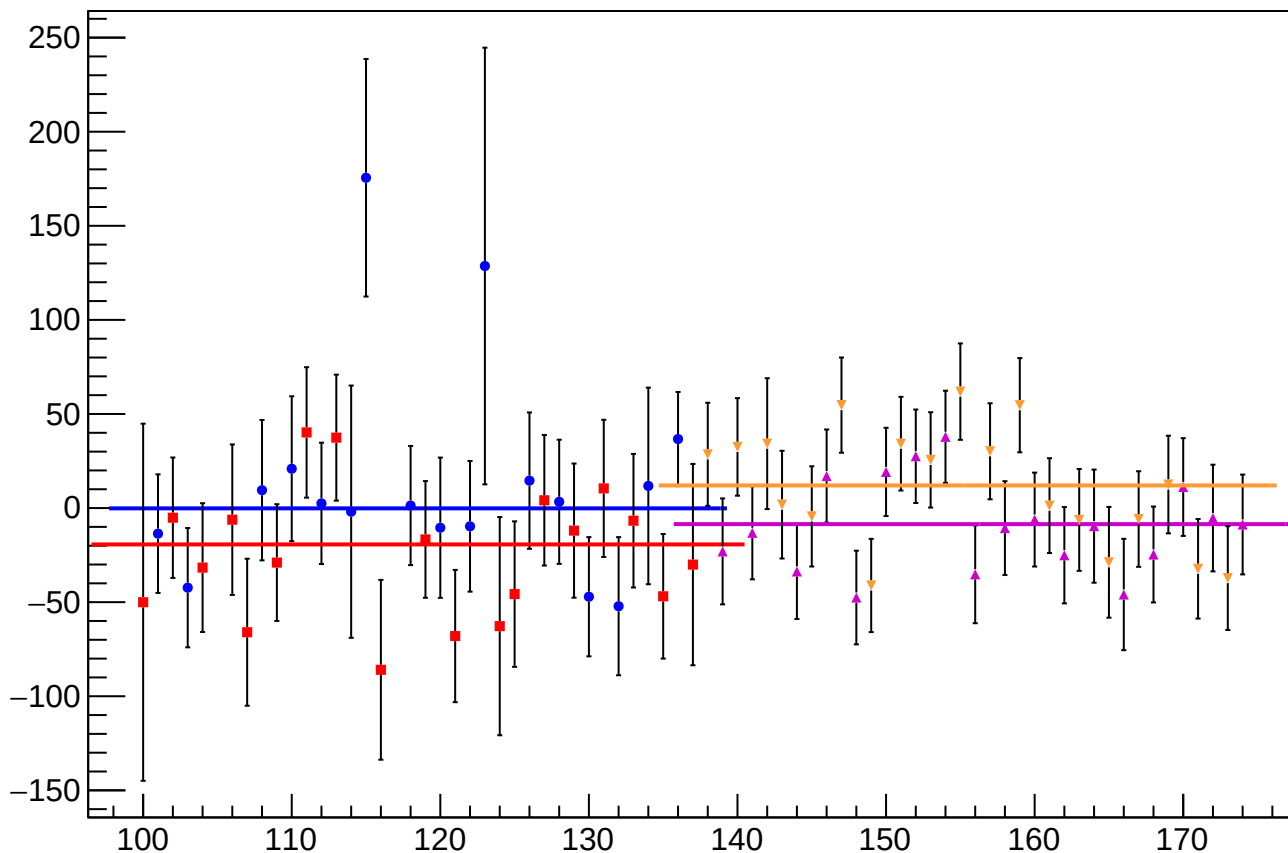
Left In: 181.615 $\pm$ 0.036 χ^2 /NDF: 1539878.0/17

+ sign 206.130 $\pm$ 0.033 χ^2 /NDF: 2237487.0/35

All: 190.978 $\pm$ 0.022 χ^2 /NDF: 5689063.3/72

- 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: 12.030 ± 6.066 χ^2/NDF : 26.7/18

Right Out: -19.316 ± 8.554 χ^2/NDF : 14.8/18

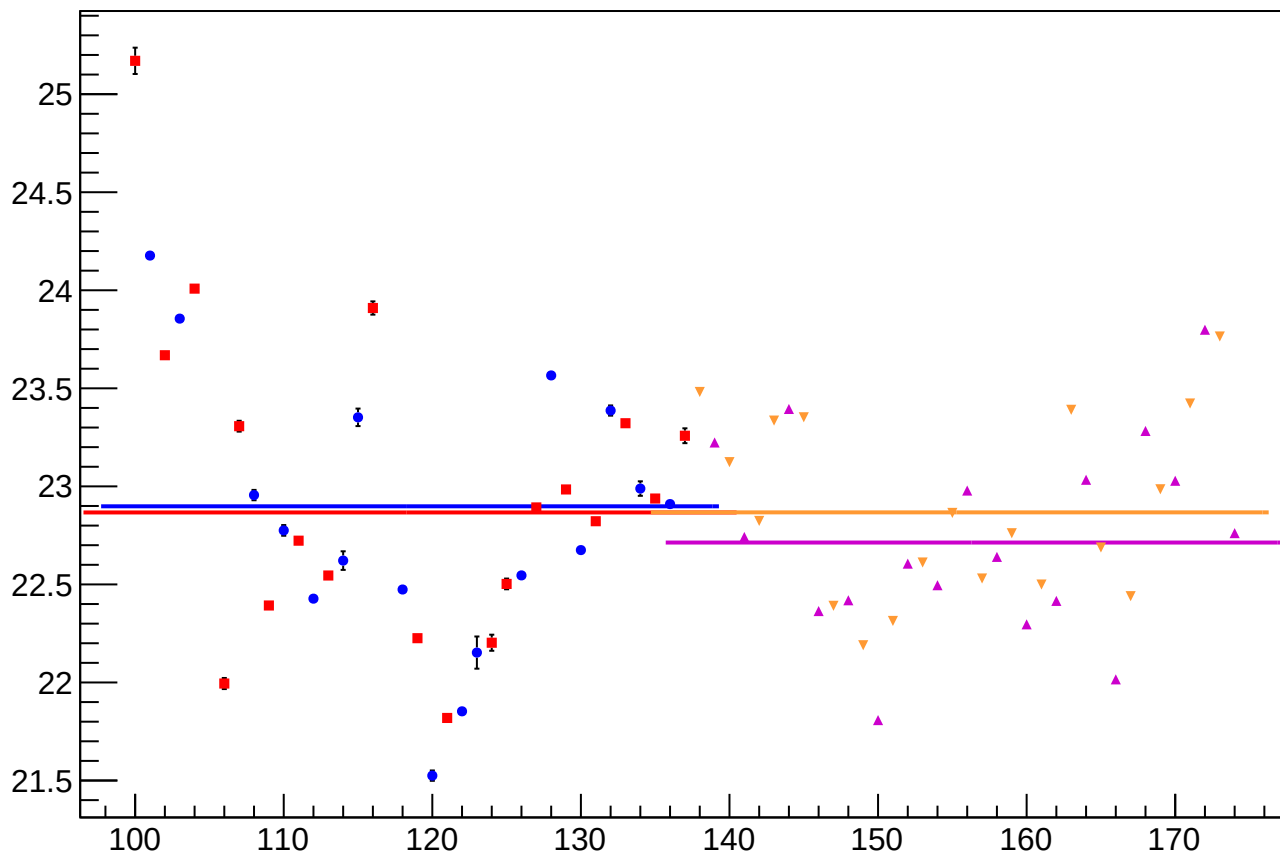
Left In: -8.537 ± 6.089 χ^2/NDF : 16.0/17

+ sign 8.119 ± 4.999 χ^2/NDF : 46.0/35

All: -2.101 ± 3.521 χ^2/NDF : 86.2/72

- 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 $\pm$ 0.006 χ^2 /NDF: 12143.3/16

Left Out: 22.867 $\pm$ 0.004 χ^2 /NDF: 11037.6/18

Right Out: 22.867 $\pm$ 0.006 χ^2 /NDF: 11048.4/18

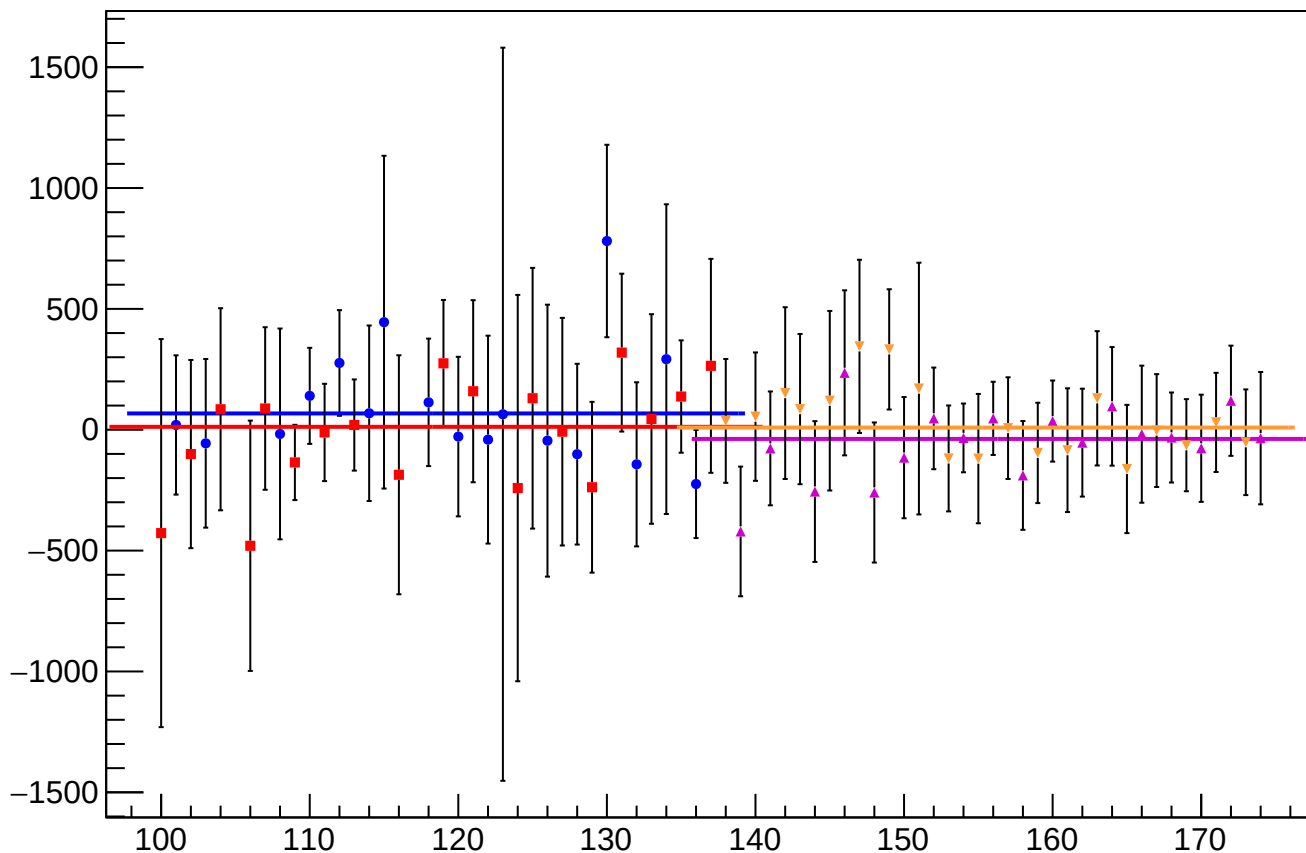
Left In: 22.714 $\pm$ 0.004 χ^2 /NDF: 12592.6/17

+ sign 22.877 $\pm$ 0.004 χ^2 /NDF: 23197.6/35

All: 22.821 $\pm$ 0.002 χ^2 /NDF: 47773.3/72

- sign 22.765 $\pm$ 0.004 χ^2 /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: 8.988 $\pm$ 58.109 χ^2 /NDF: 4.8/18

Right Out: 12.117 $\pm$ 70.355 χ^2 /NDF: 5.8/18

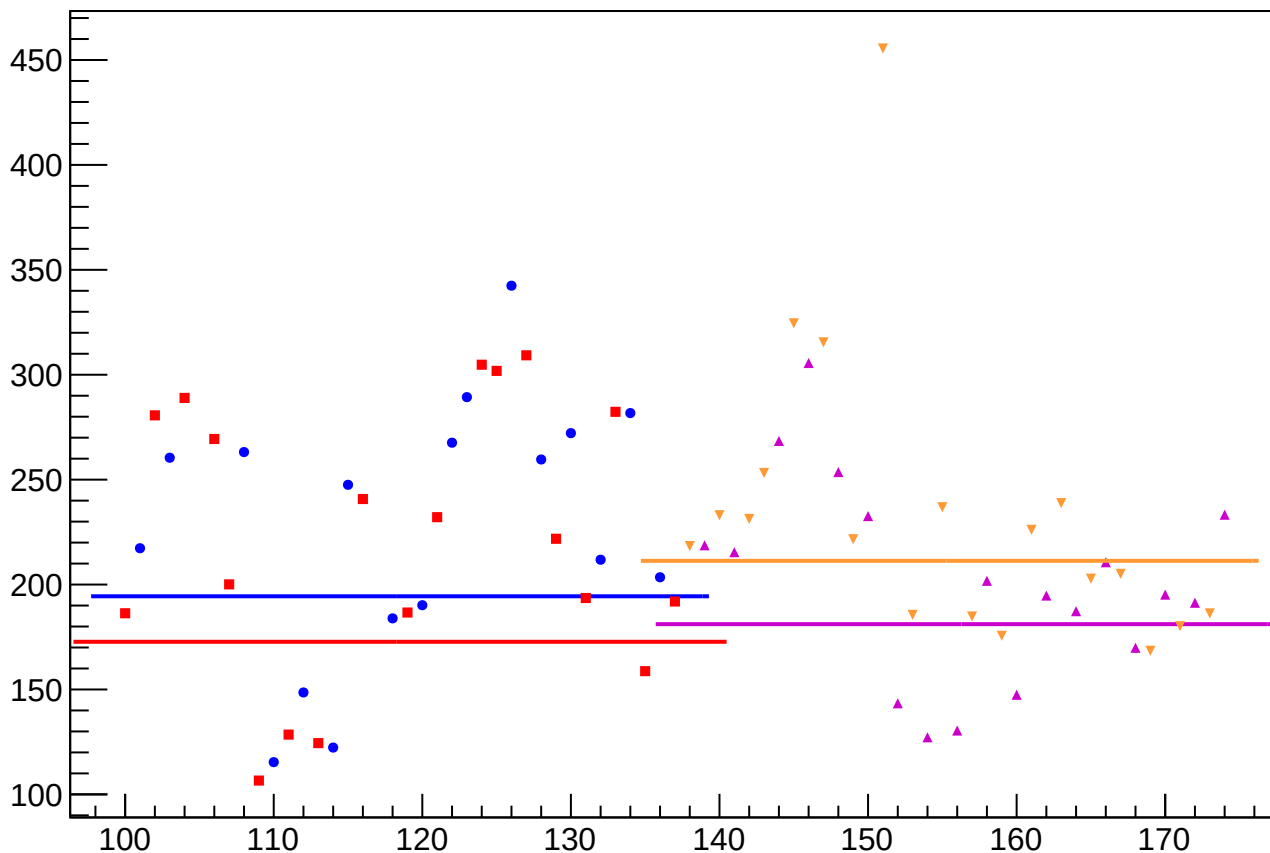
Left In: -37.974 $\pm$ 51.164 χ^2 /NDF: 5.9/17

+ sign 29.377 $\pm$ 46.893 χ^2 /NDF: 12.6/35

All: 1.252 $\pm$ 31.027 χ^2 /NDF: 25.2/72

- 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: 211.314 $\pm$ 0.041 χ^2 /NDF:1195495.5/18

Right Out: 172.730 $\pm$ 0.050 χ^2 /NDF: 1596758.0/18

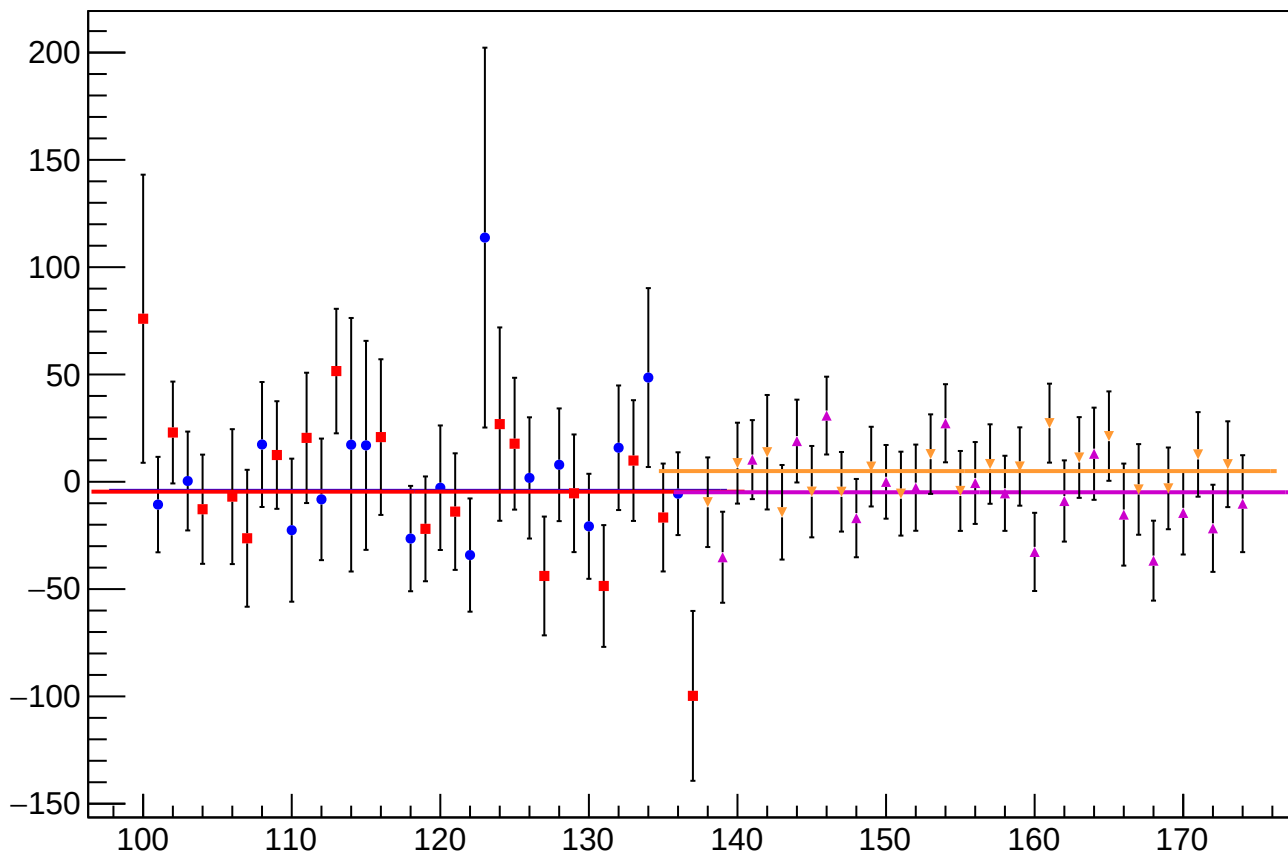
Left In: 181.128 $\pm$ 0.036 χ^2 /NDF:1532853.9/17

+ sign 205.418 $\pm$ 0.033 χ^2 /NDF: 2274430.8/35

All: 190.128 $\pm$ 0.022 χ^2 /NDF: 5800874.2/72

- 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: 4.982 ± 4.514 χ^2/NDF : 5.4/18

Right Out: -4.599 ± 6.725 χ^2/NDF : 21.1/18

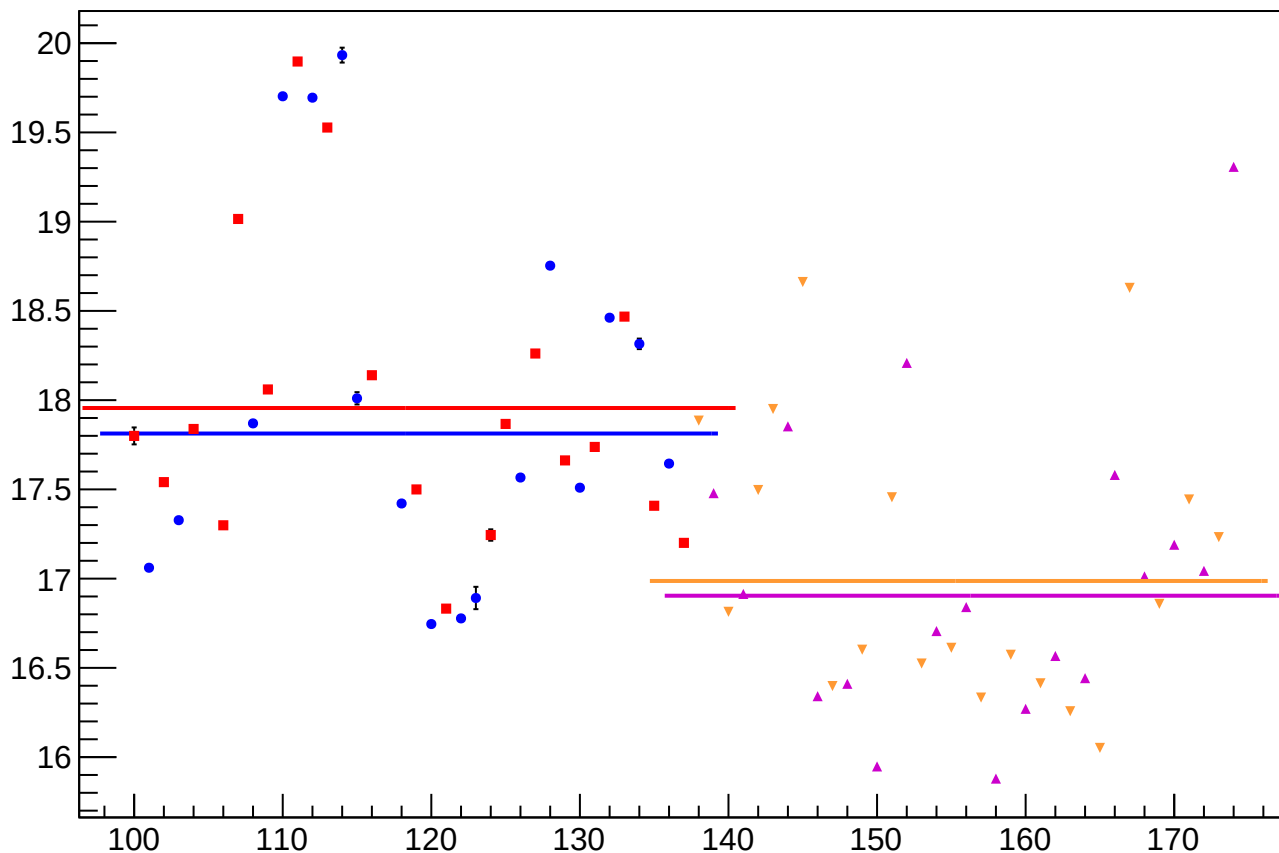
Left In: -4.879 ± 4.542 χ^2/NDF : 19.0/17

+ sign 2.207 ± 3.773 χ^2/NDF : 14.6/35

All: -1.300 ± 2.665 χ^2/NDF : 56.4/72

- 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: 16.987 ± 0.003 χ^2/NDF : 52945.3/18

Right Out: 17.956 ± 0.005 χ^2/NDF : 25445.3/18

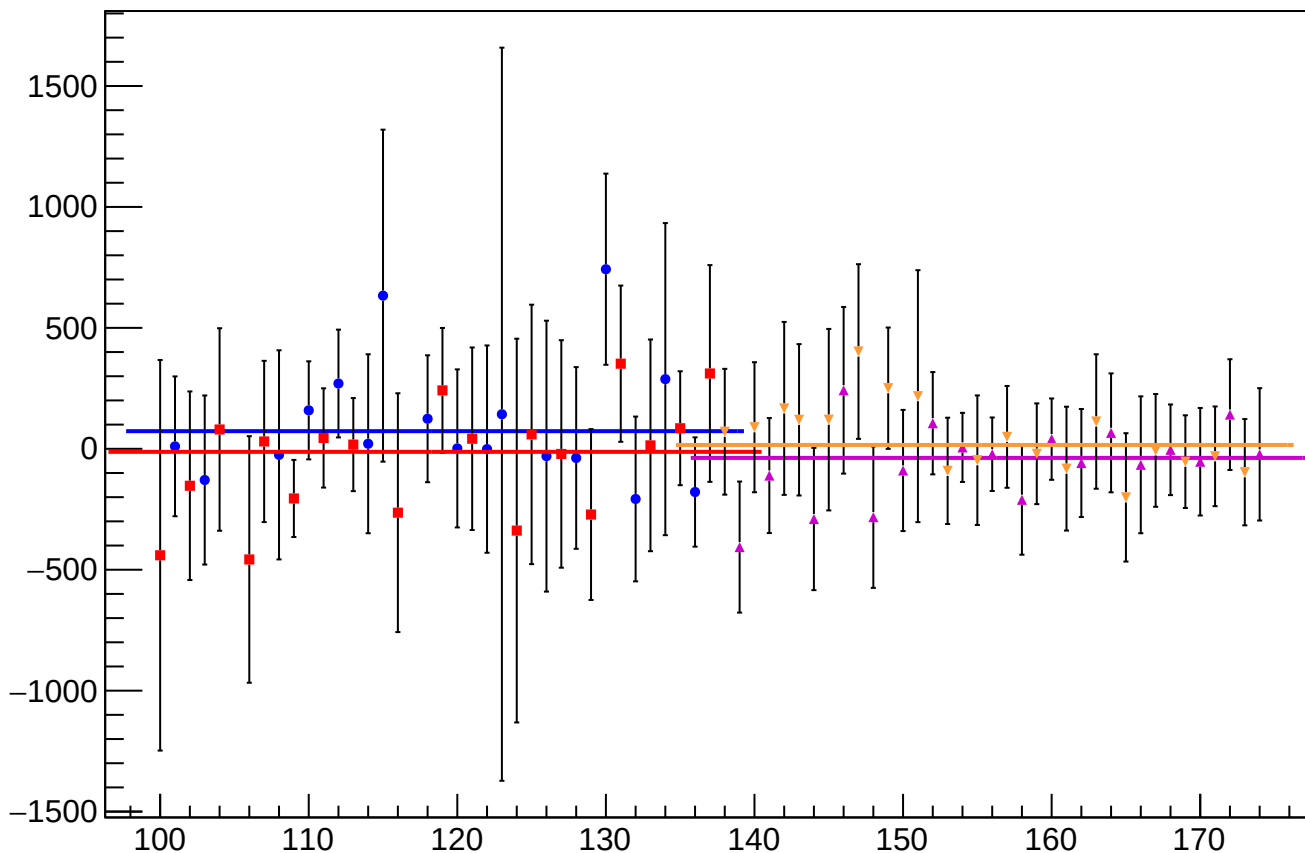
Left In: 16.904 ± 0.003 χ^2/NDF : 60291.1/17

+ sign 17.236 ± 0.003 χ^2/NDF : 105171.9/35

All: 17.235 ± 0.002 χ^2/NDF : 224499.5/72

- 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: 15.925 $\pm$ 58.365 χ^2 /NDF: 4.4/18

Right Out: -12.565 $\pm$ 71.013 χ^2 /NDF: 6.7/18

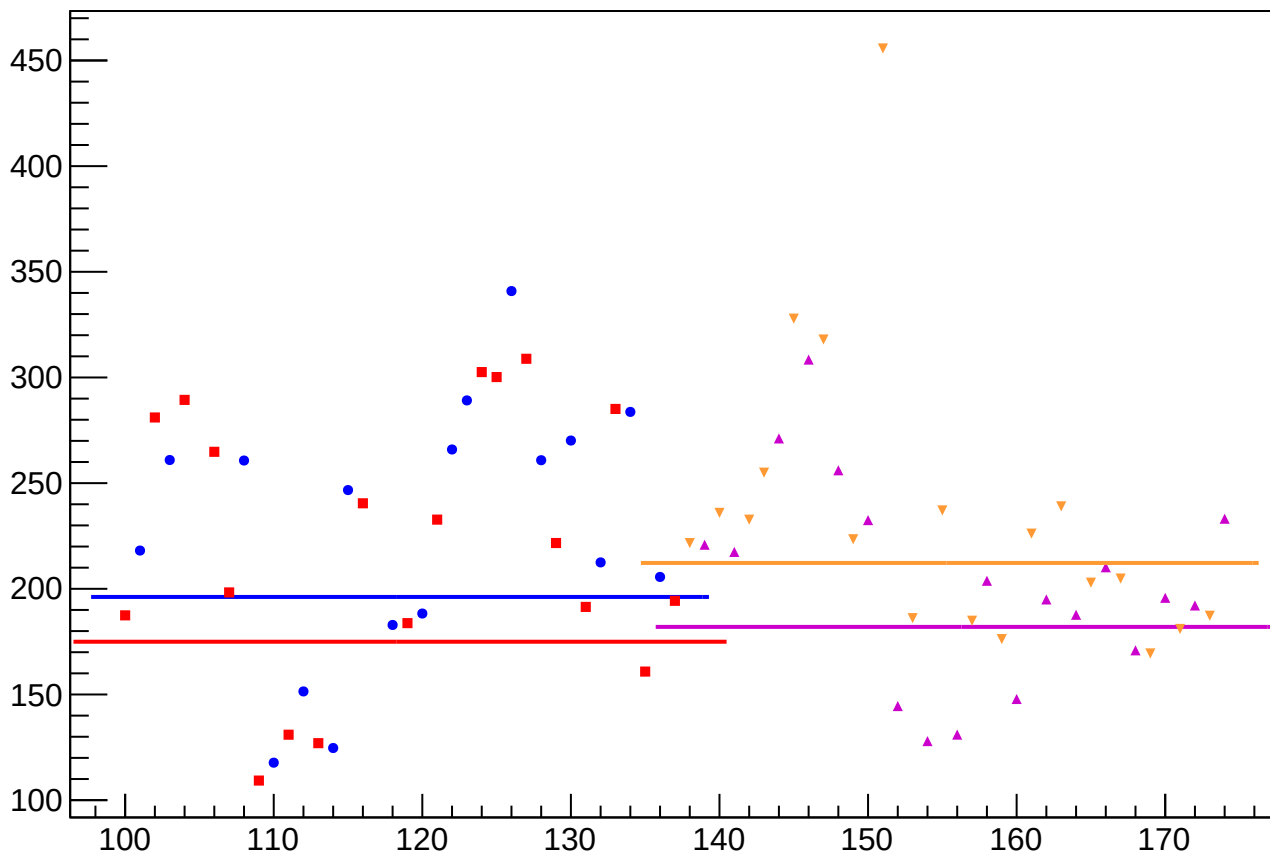
Left In: -37.667 $\pm$ 51.401 χ^2 /NDF: 6.3/17

+ sign 35.729 $\pm$ 47.140 χ^2 /NDF: 11.9/35

All: -0.652 $\pm$ 31.207 χ^2 /NDF: 26.1/72

- 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: 212.239 $\pm$ 0.041 χ^2 /NDF:1203799.4/18

Right Out: 174.965 $\pm$ 0.050 χ^2 /NDF: 1510956.5/18

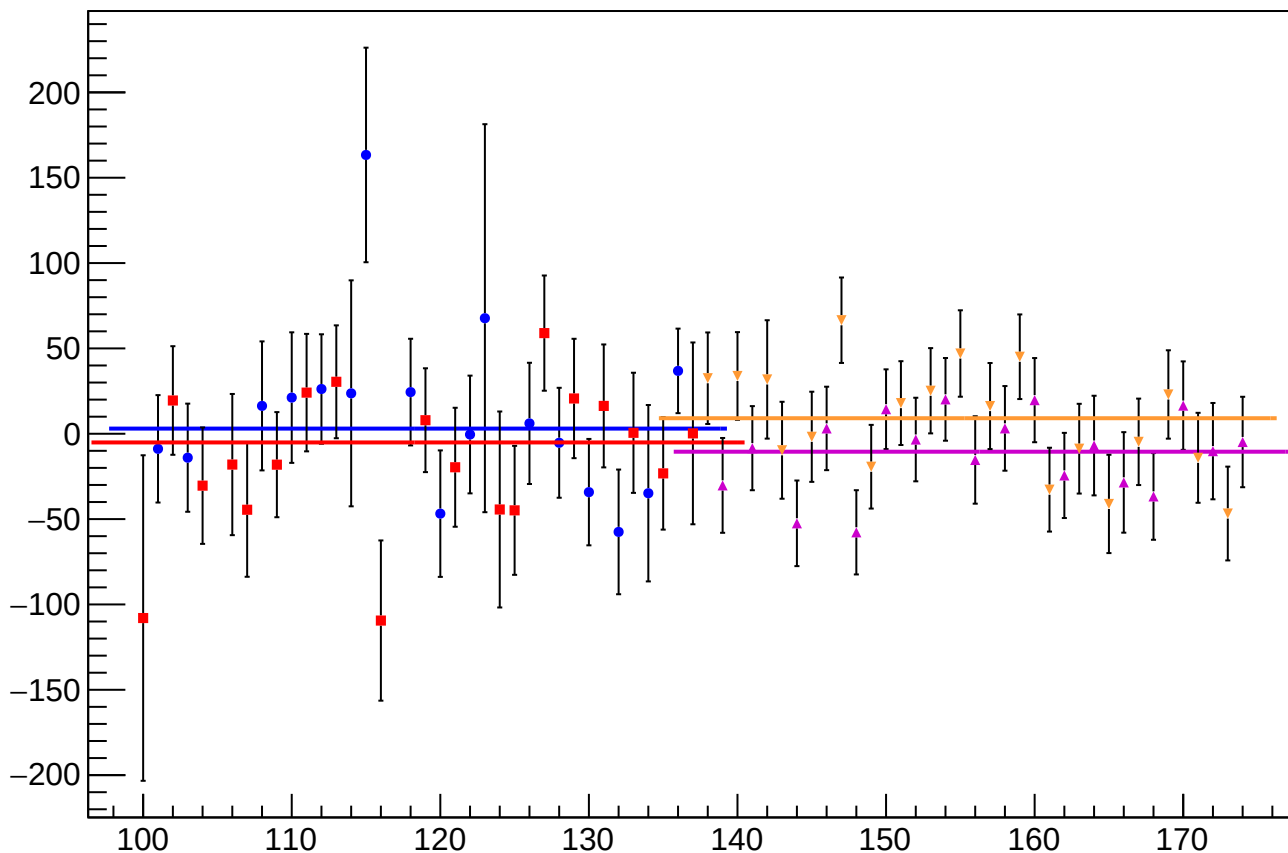
Left In: 181.982 $\pm$ 0.036 χ^2 /NDF:1539608.5/17

+ sign 206.646 $\pm$ 0.033 χ^2 /NDF: 2221627.3/35

All: 191.436 $\pm$ 0.022 χ^2 /NDF: 5655656.4/72

- 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 χ^2/NDF : 17.2/16

Left Out: 9.100 ± 5.995 χ^2/NDF : 26.2/18

Right Out: -5.092 ± 8.477 χ^2/NDF : 17.2/18

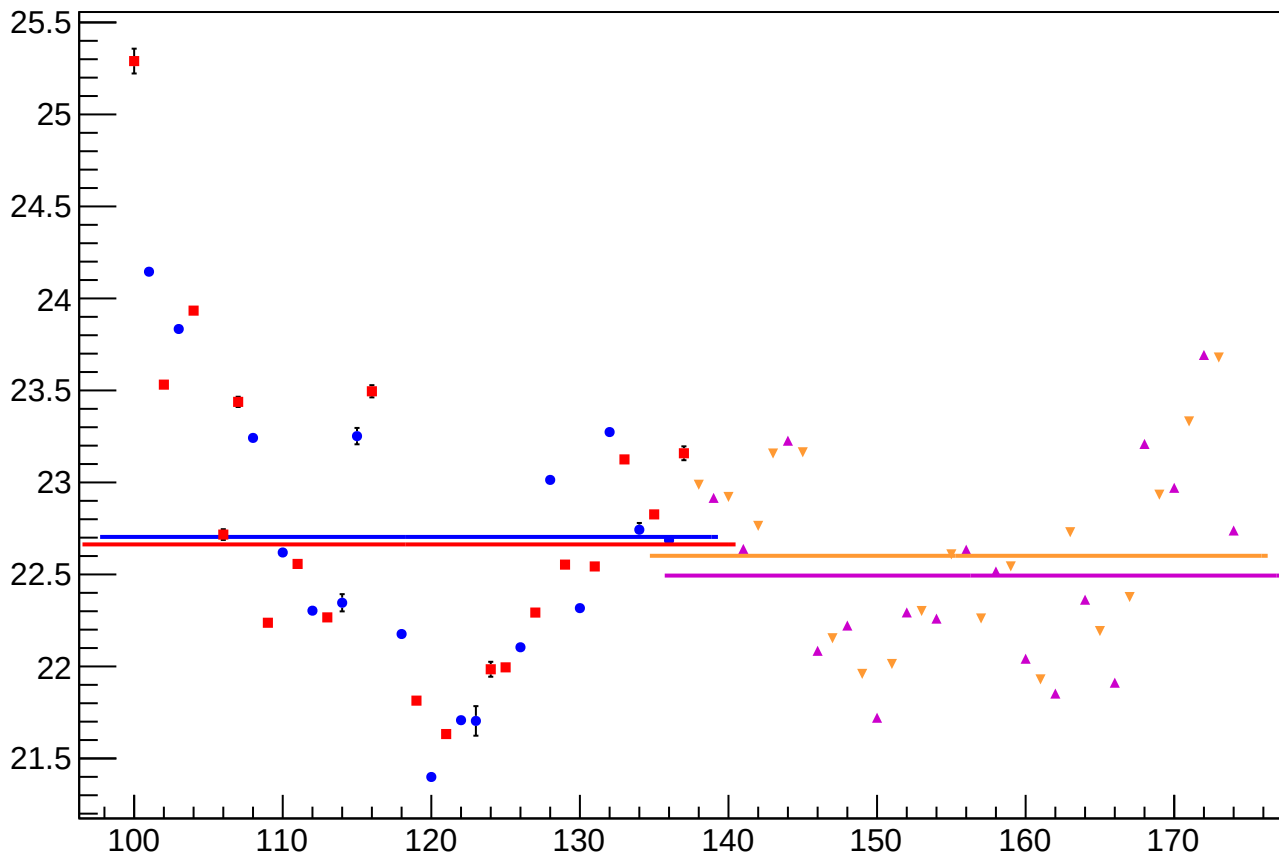
Left In: -10.519 ± 6.030 χ^2/NDF : 14.8/17

+ sign 7.159 ± 4.946 χ^2/NDF : 43.7/35

All: -0.821 ± 3.486 χ^2/NDF : 81.2/72

- sign -8.696 ± 4.914 χ^2/NDF : 32.3/36

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.704 $\pm$ 0.006 χ^2 /NDF: 14105.8/16

Left Out: 22.601 $\pm$ 0.004 χ^2 /NDF:13310.9/18

Right Out: 22.663 $\pm$ 0.006 χ^2 /NDF: 12943.4/18

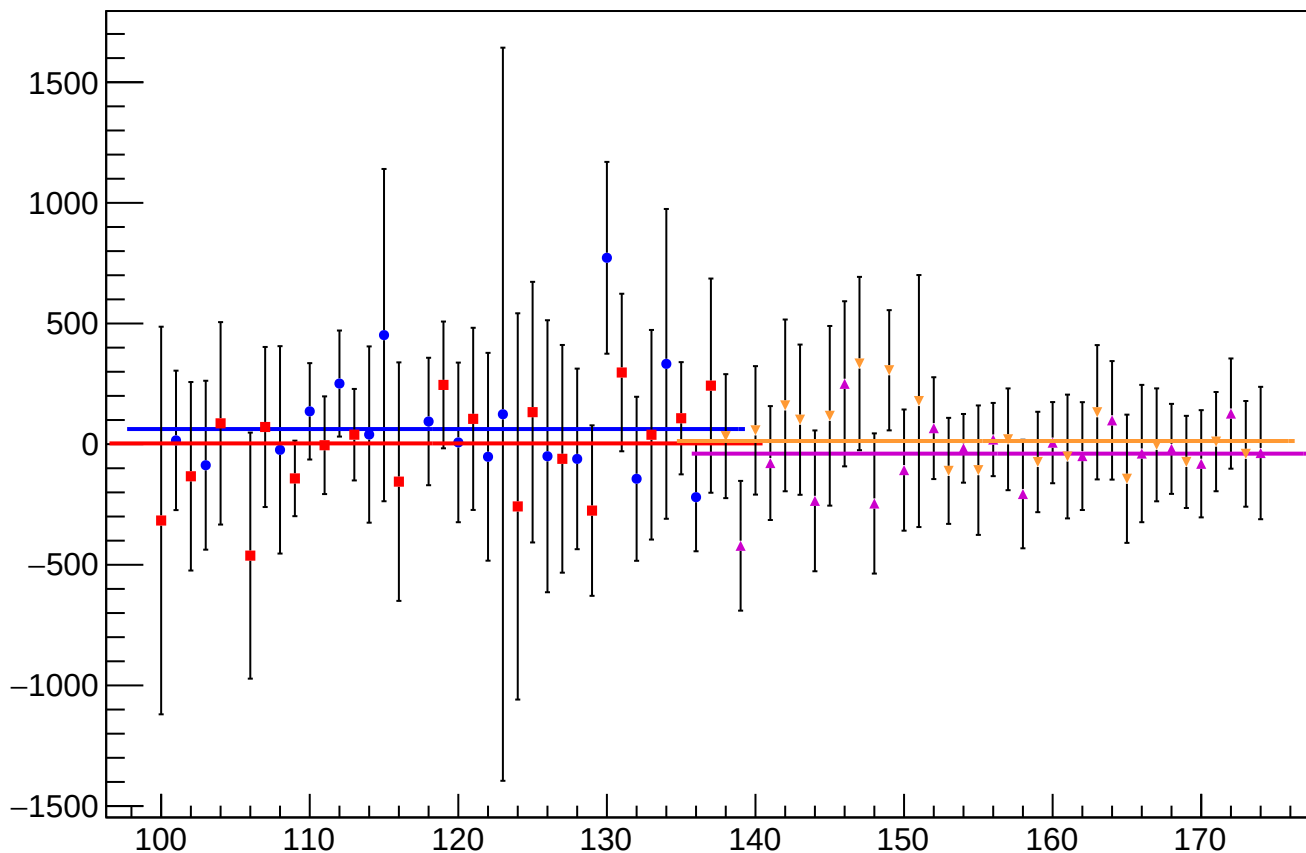
Left In: 22.494 $\pm$ 0.004 χ^2 /NDF:14473.4/17

+ sign 22.634 $\pm$ 0.003 χ^2 /NDF: 27603.8/35

All: 22.592 $\pm$ 0.002 χ^2 /NDF: 55836.6/72

- sign 22.551 $\pm$ 0.003 χ^2 /NDF: 27946.8/36

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573+/-79.605 χ^2/NDF : 7.0/16

Left Out: 12.978+/-58.238 χ^2/NDF : 4.2/18

Right Out: 3.038+/-70.518 χ^2/NDF : 5.2/18

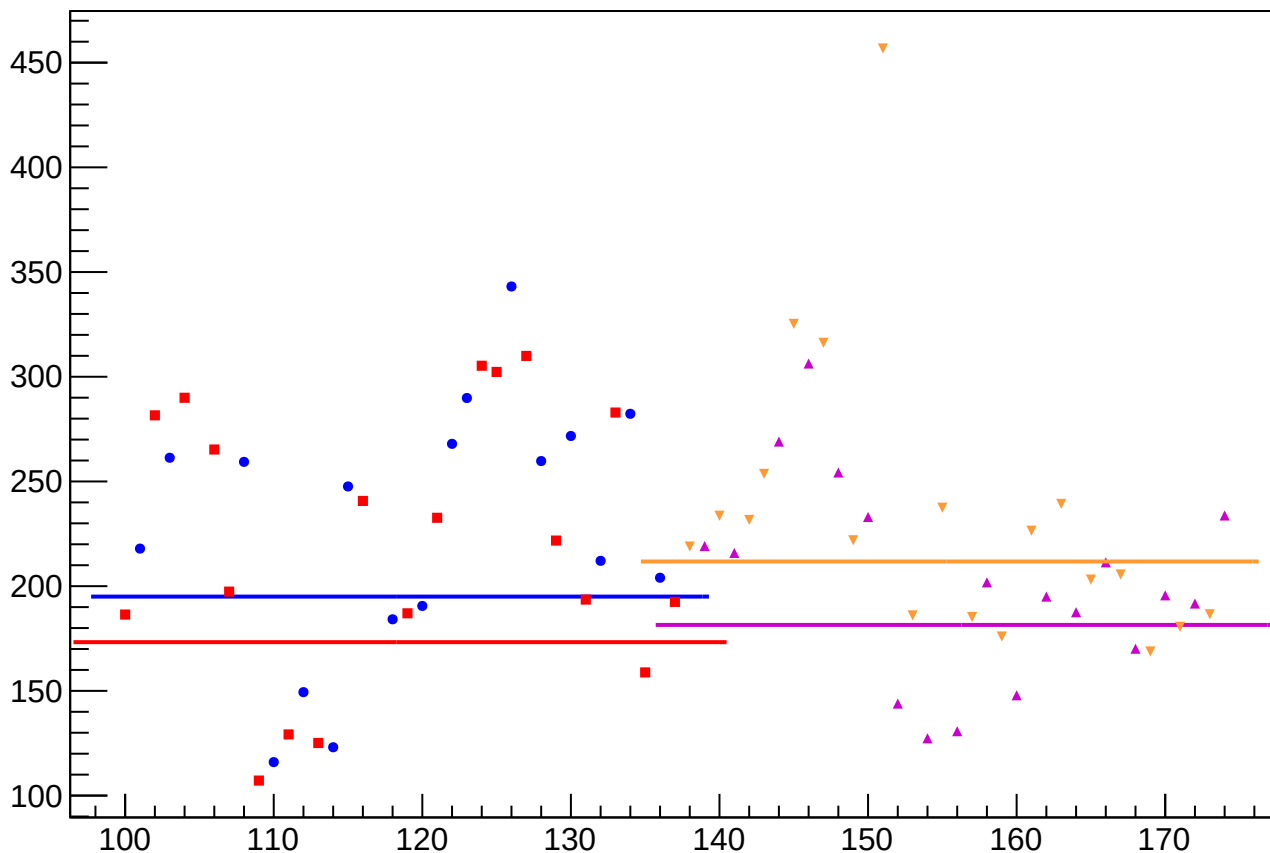
Left In: -39.402+/-51.267 χ^2/NDF : 5.7/17

+ sign 30.268+/-47.002 χ^2/NDF : 11.5/35

All: -0.657+/-31.095 χ^2/NDF : 23.5/72

- sign -24.727+/-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: 211.780 $\pm$ 0.041 χ^2 /NDF:1195712.5/18

Right Out: 173.262 $\pm$ 0.050 χ^2 /NDF: 1578202.7/18

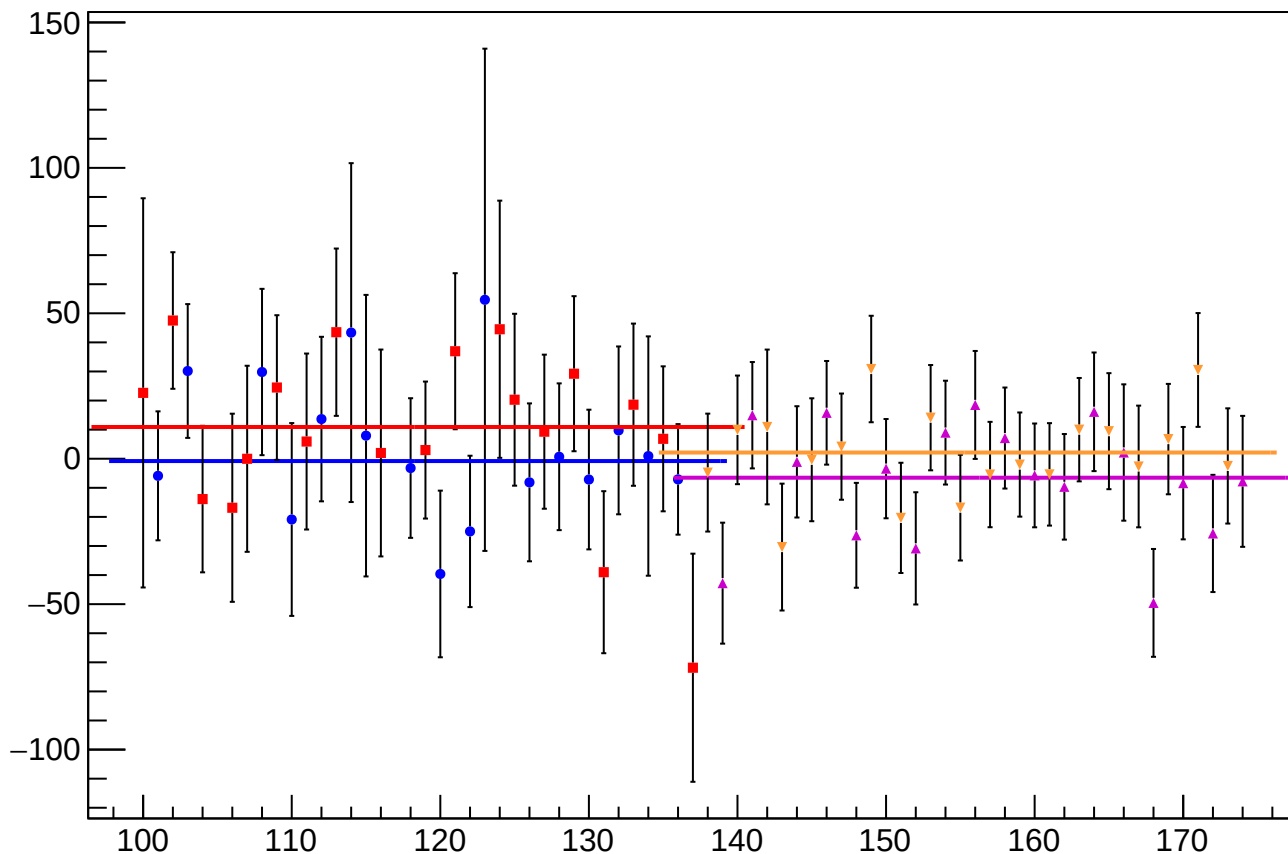
Left In: 181.493 $\pm$ 0.036 χ^2 /NDF:1532678.9/17

+ sign 205.938 $\pm$ 0.033 χ^2 /NDF: 2257732.5/35

All: 190.591 $\pm$ 0.022 χ^2 /NDF: 5765594.4/72

- 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: 2.129 ± 4.419 χ^2/NDF : 11.1/18

Right Out: 10.912 ± 6.626 χ^2/NDF : 15.9/18

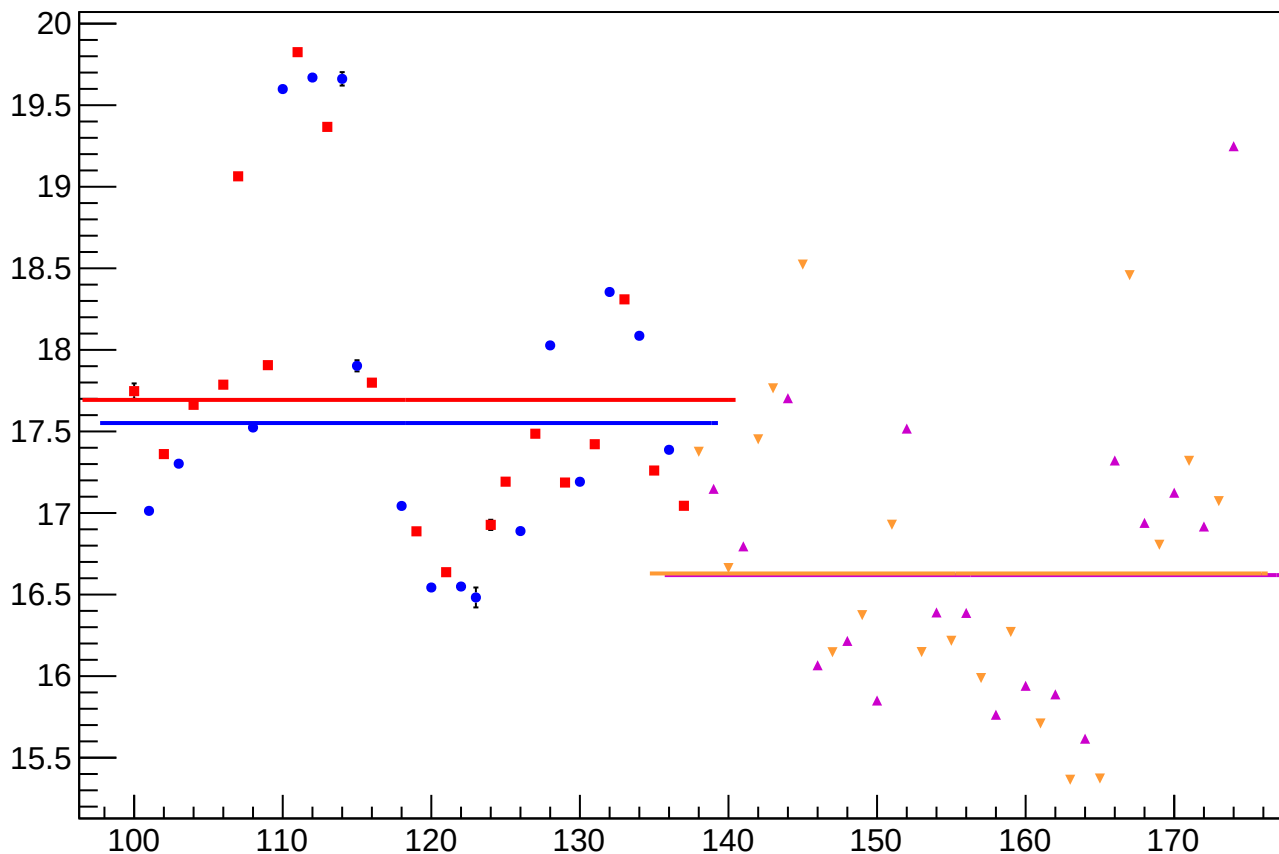
Left In: -6.527 ± 4.465 χ^2/NDF : 19.8/17

+ sign 1.254 ± 3.701 χ^2/NDF : 18.9/35

All: 0.086 ± 2.617 χ^2/NDF : 59.6/72

- 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 $\pm$ 0.005 χ^2 /NDF: 34027.1/16

Left Out: 16.629 $\pm$ 0.003 χ^2 /NDF: 76605.4/18

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30742.0/18

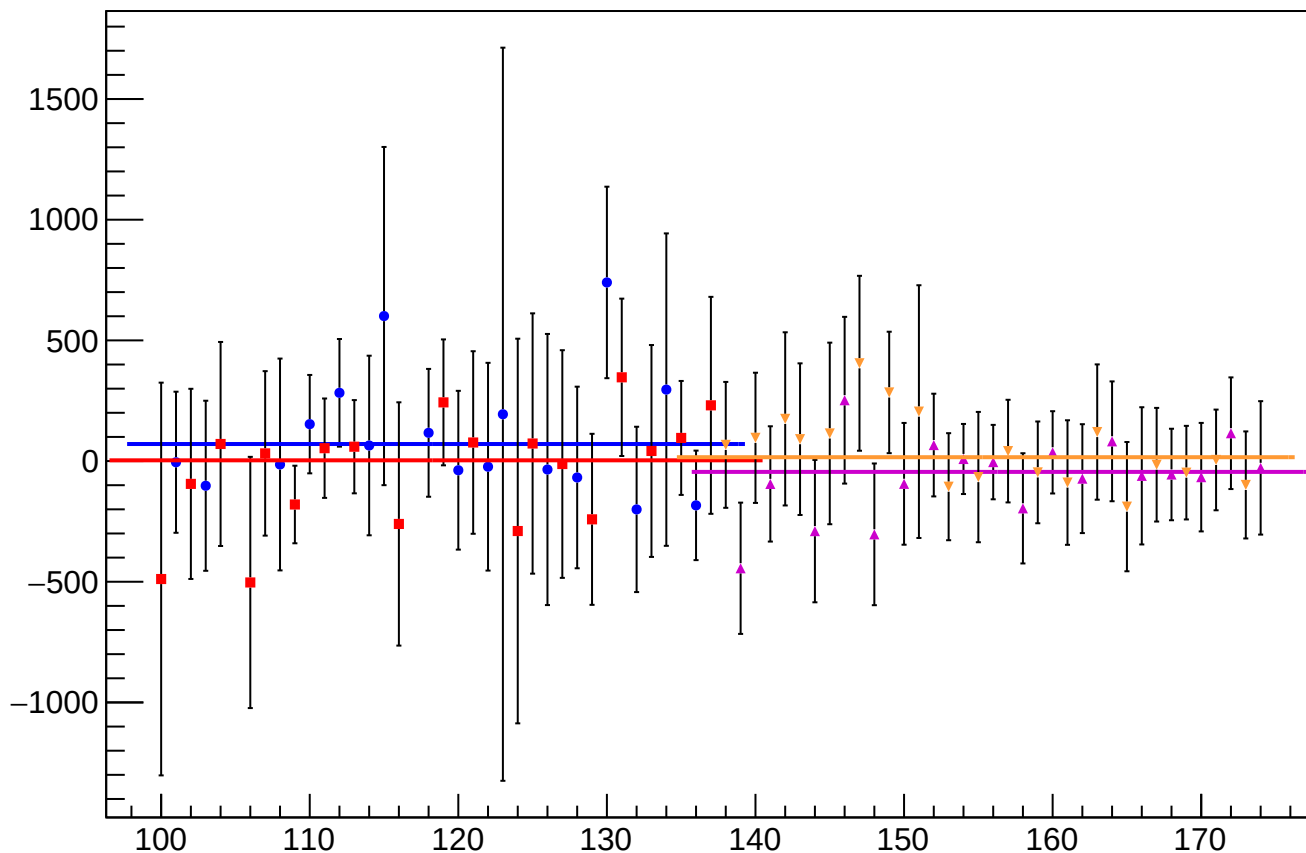
Left In: 16.619 $\pm$ 0.003 χ^2 /NDF: 67170.4/17

+ sign 16.905 $\pm$ 0.003 χ^2 /NDF: 136655.6/35

All: 16.930 $\pm$ 0.002 χ^2 /NDF: 270888.7/72

- sign 16.955 $\pm$ 0.003 χ^2 /NDF: 134052.1/36

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 70.634 $\pm$ 80.409 χ^2 /NDF: 7.2/16

Left Out: 16.004 $\pm$ 58.843 χ^2 /NDF: 4.7/18

Right Out: 3.063 $\pm$ 71.508 χ^2 /NDF: 6.2/18

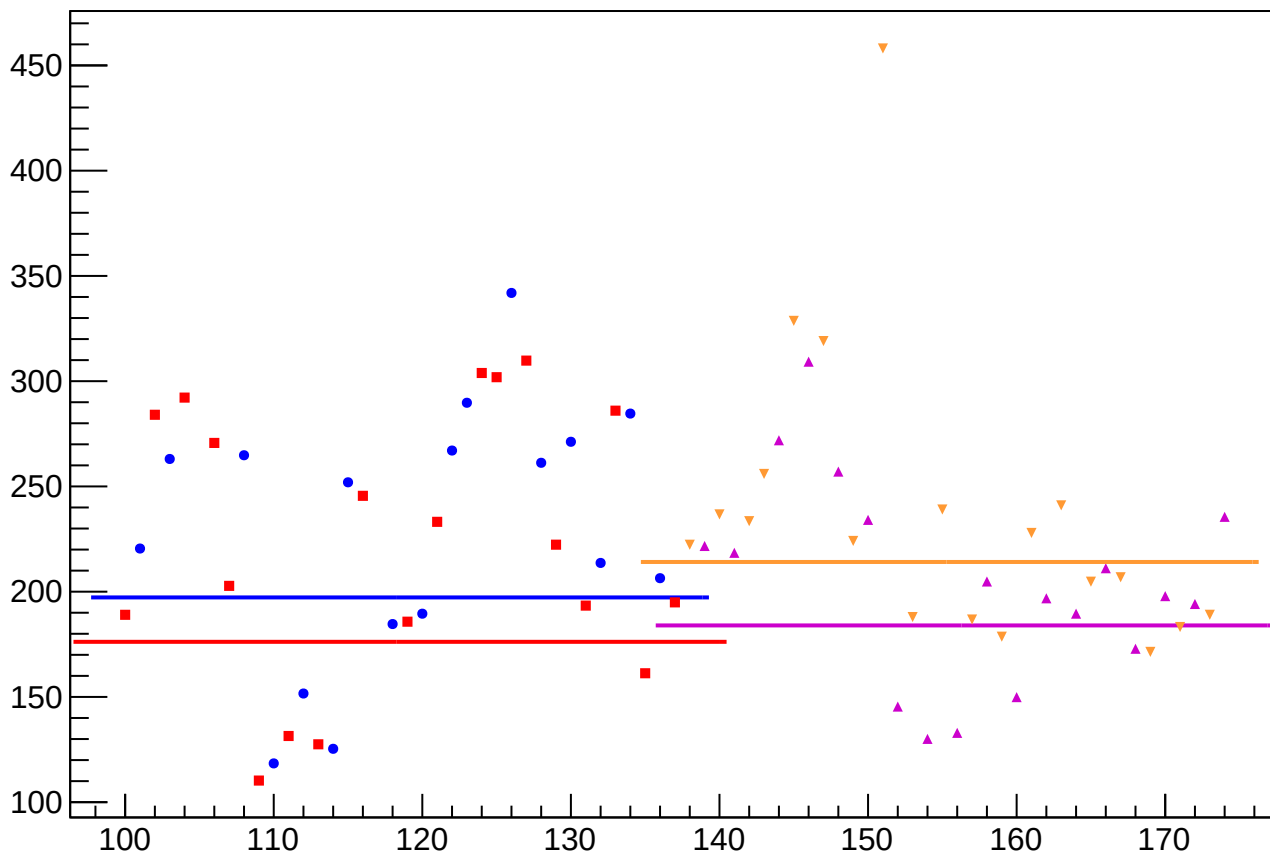
Left In: -44.879 $\pm$ 51.911 χ^2 /NDF: 6.4/17

+ sign 35.057 $\pm$ 47.486 χ^2 /NDF: 12.2/35

All: -0.503 $\pm$ 31.464 χ^2 /NDF: 26.0/72

- sign -28.333 $\pm$ 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: 214.117 $\pm$ 0.042 χ^2 /NDF: 1177474.0/18

Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

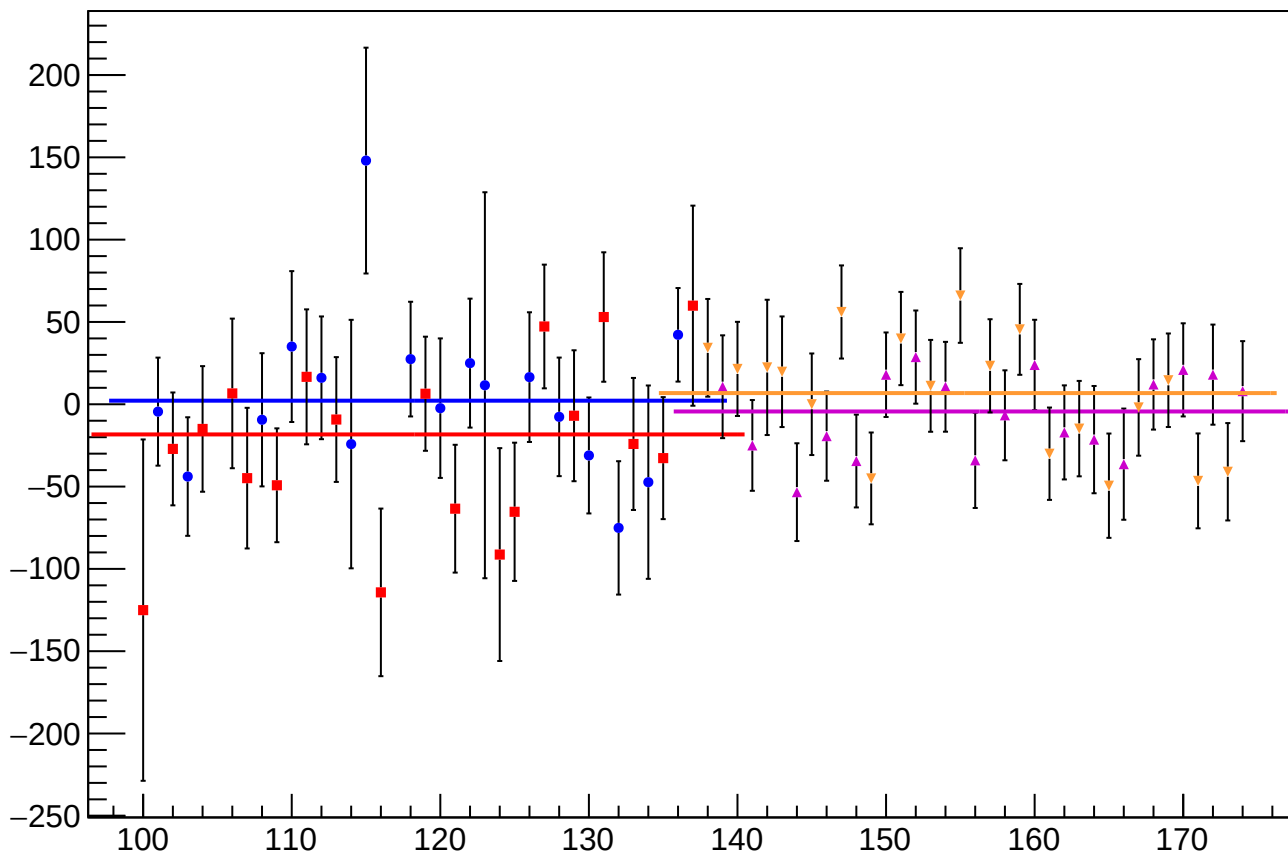
Left In: 183.968 $\pm$ 0.037 χ^2 /NDF: 1494982.5/17

+ sign 208.242 $\pm$ 0.034 χ^2 /NDF: 2204189.5/35

All: 193.117 $\pm$ 0.022 χ^2 /NDF: 5596090.8/72

- 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: 6.796 ± 6.752 χ^2/NDF : 27.5/18

Right Out: -18.320 ± 9.497 χ^2/NDF : 19.6/18

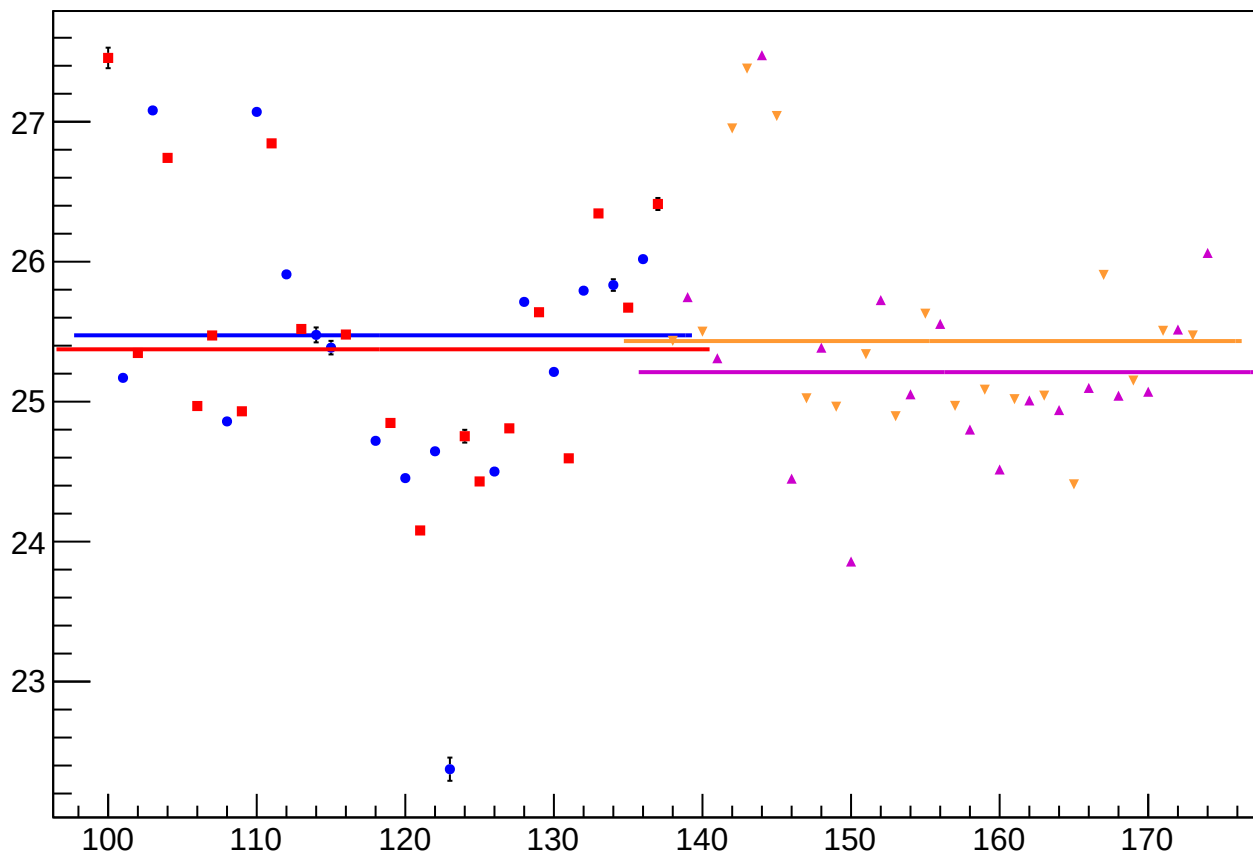
Left In: -4.377 ± 6.765 χ^2/NDF : 12.7/17

+ sign 5.314 ± 5.565 χ^2/NDF : 43.1/35

All: -1.949 ± 3.915 χ^2/NDF : 80.2/72

- 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+/-0.007 χ^2/NDF : 14061.2/16

Left Out: 25.433+/-0.005 χ^2/NDF : 21207.4/18

Right Out: 25.374+/-0.007 χ^2/NDF : 13581.2/18

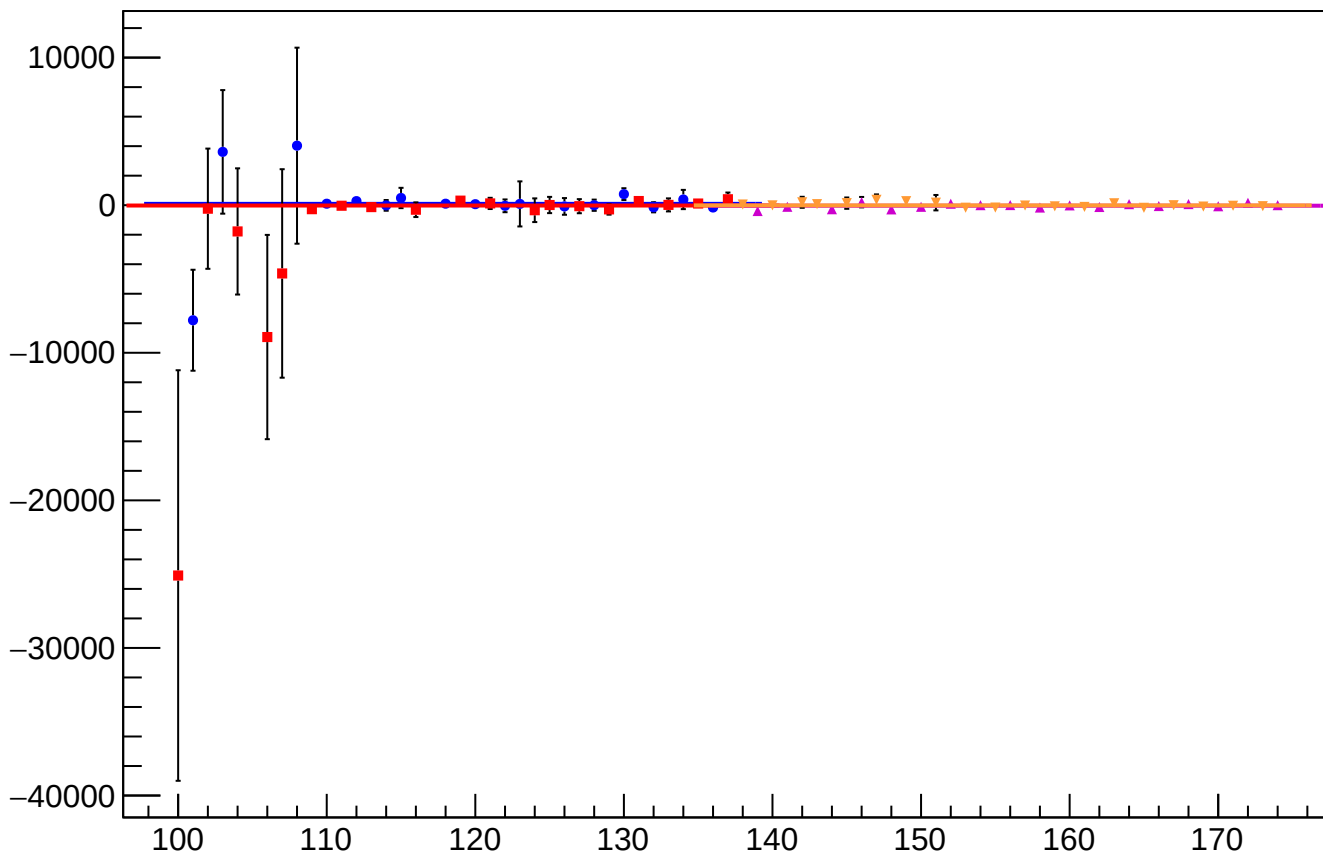
Left In: 25.211+/-0.005 χ^2/NDF : 24364.8/17

+ sign 25.446+/-0.004 χ^2/NDF : 35292.3/35

All: 25.355+/-0.003 χ^2/NDF : 74690.5/72

- sign 25.266+/-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: -14.249+/-59.252 χ^2/NDF : 4.9/18

Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

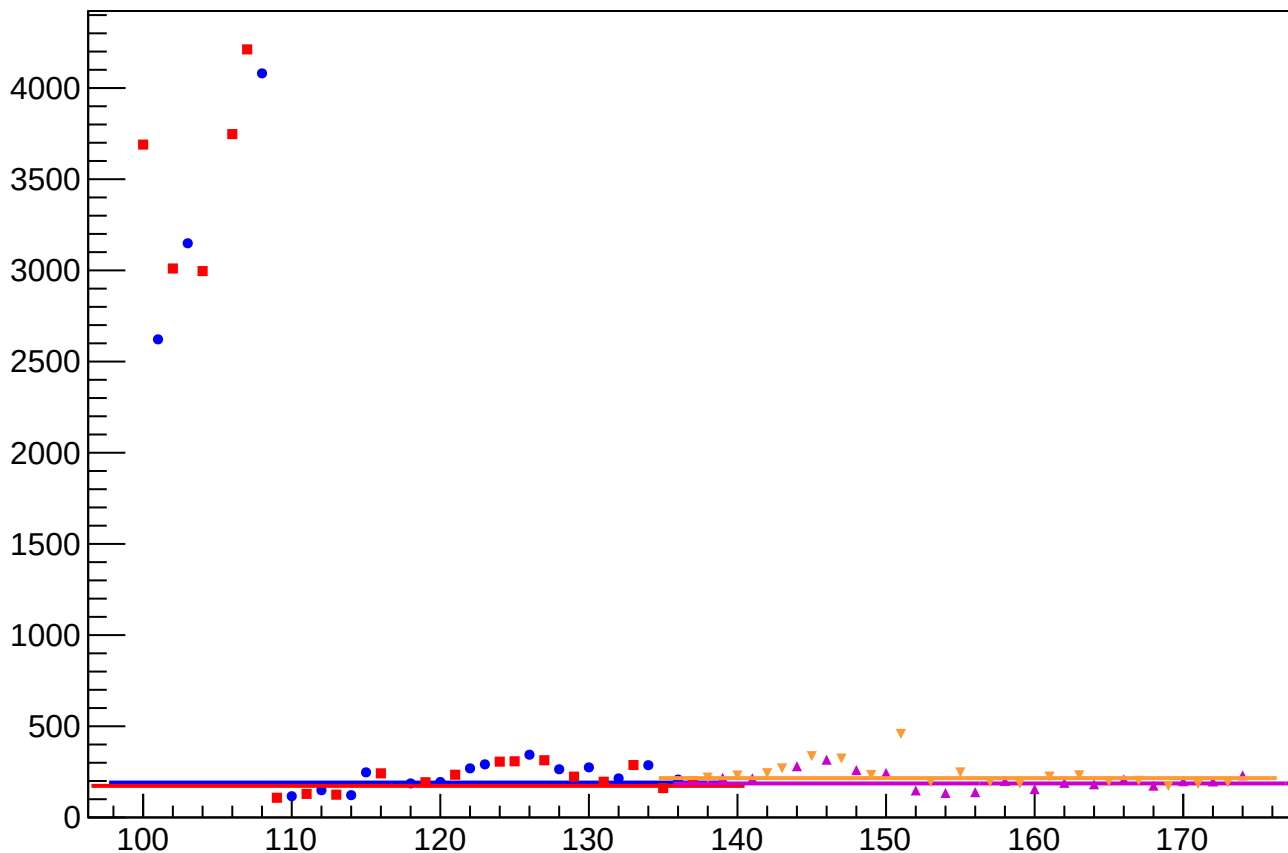
Left In: -35.887+/-52.456 χ^2/NDF : 6.1/17

+ sign 18.339+/-49.085 χ^2/NDF : 18.2/35

All: -9.541+/-32.769 χ^2/NDF : 36.7/72

- 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: 215.718 $\pm$ 0.042 χ^2 /NDF: 1175081.8/18

Right Out: 173.269 $\pm$ 0.057 χ^2 /NDF: 4207191.5/18

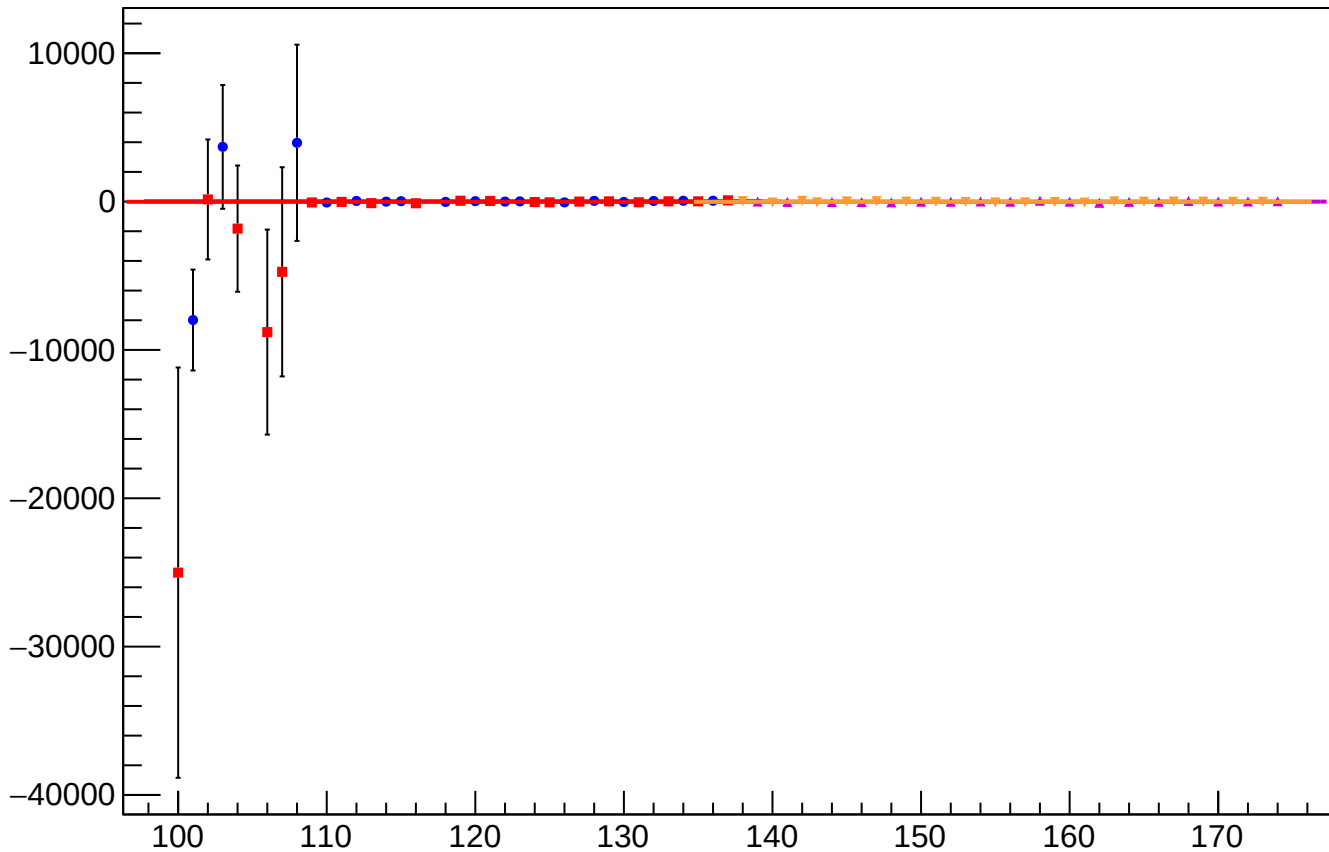
Left In: 186.423 $\pm$ 0.037 χ^2 /NDF: 1372276.4/17

+ sign 208.022 $\pm$ 0.035 χ^2 /NDF: 4854355.9/35

All: 193.892 $\pm$ 0.023 χ^2 /NDF: 10770076.5/72

- 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: -17.311+/-7.680 χ^2/NDF : 16.2/18

Right Out: -12.947+/-12.227 χ^2/NDF : 24.4/18

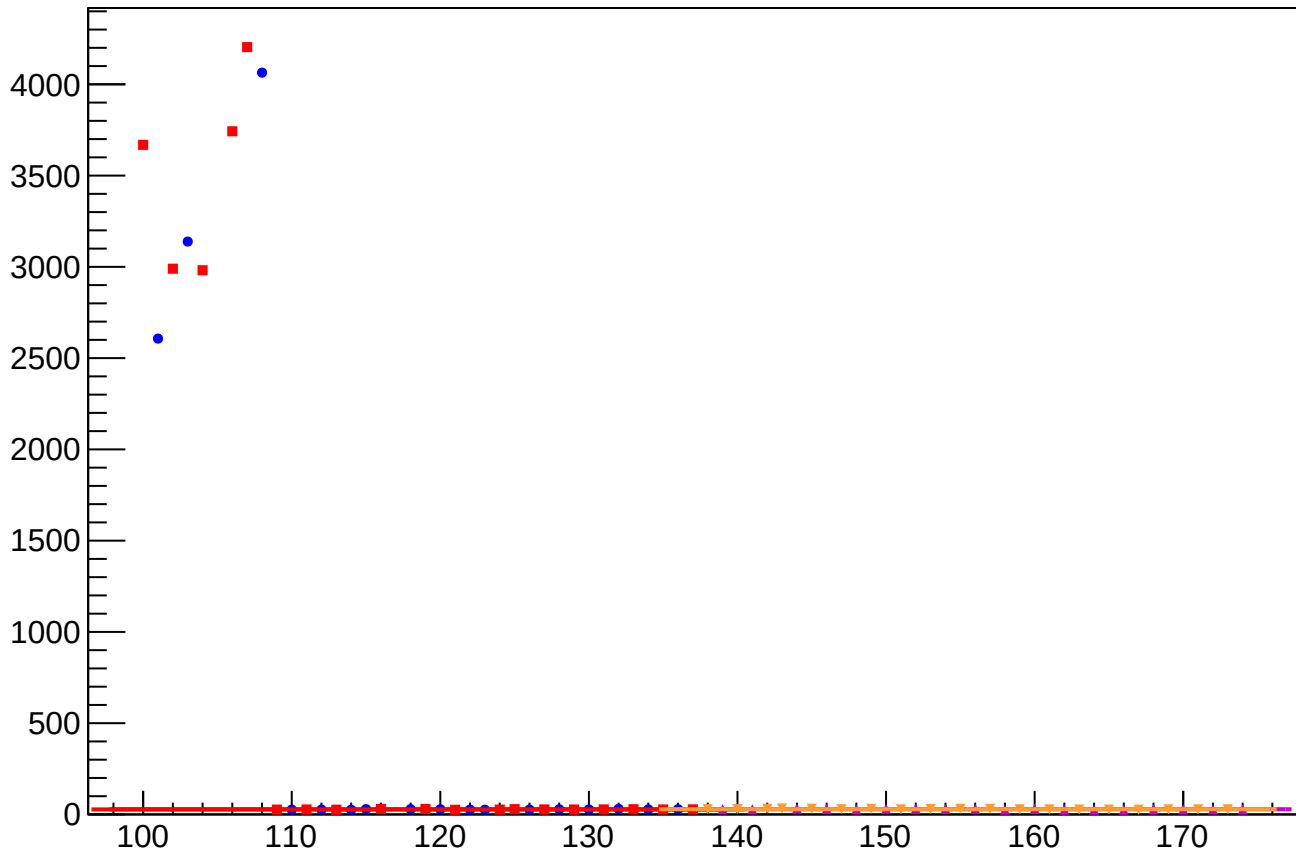
Left In: -4.781+/-7.728 χ^2/NDF : 18.7/17

+ sign -9.437+/-6.498 χ^2/NDF : 38.1/35

All: -8.281+/-4.607 χ^2/NDF : 81.6/72

- 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: 28.871 $\pm$ 0.005 χ^2 /NDF: 96581.4/18

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

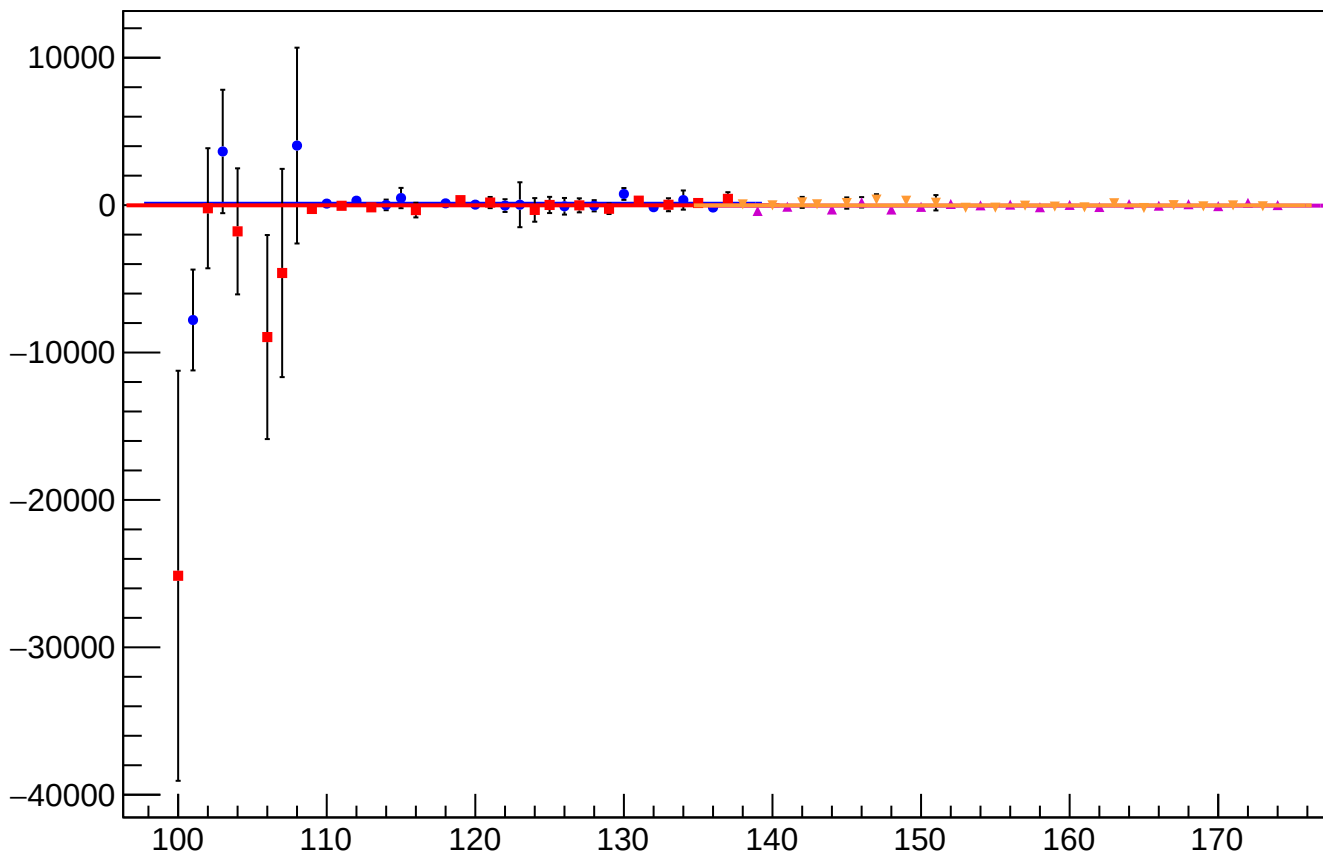
Left In: 28.728 $\pm$ 0.005 χ^2 /NDF: 114990.1/17

+ sign 28.577 $\pm$ 0.005 χ^2 /NDF: 3133770.2/35

All: 28.505 $\pm$ 0.003 χ^2 /NDF: 6736272.3/72

- 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: -18.340+/-59.124 χ^2/NDF : 5.5/18

Right Out: -12.772+/-80.640 χ^2/NDF : 12.7/18

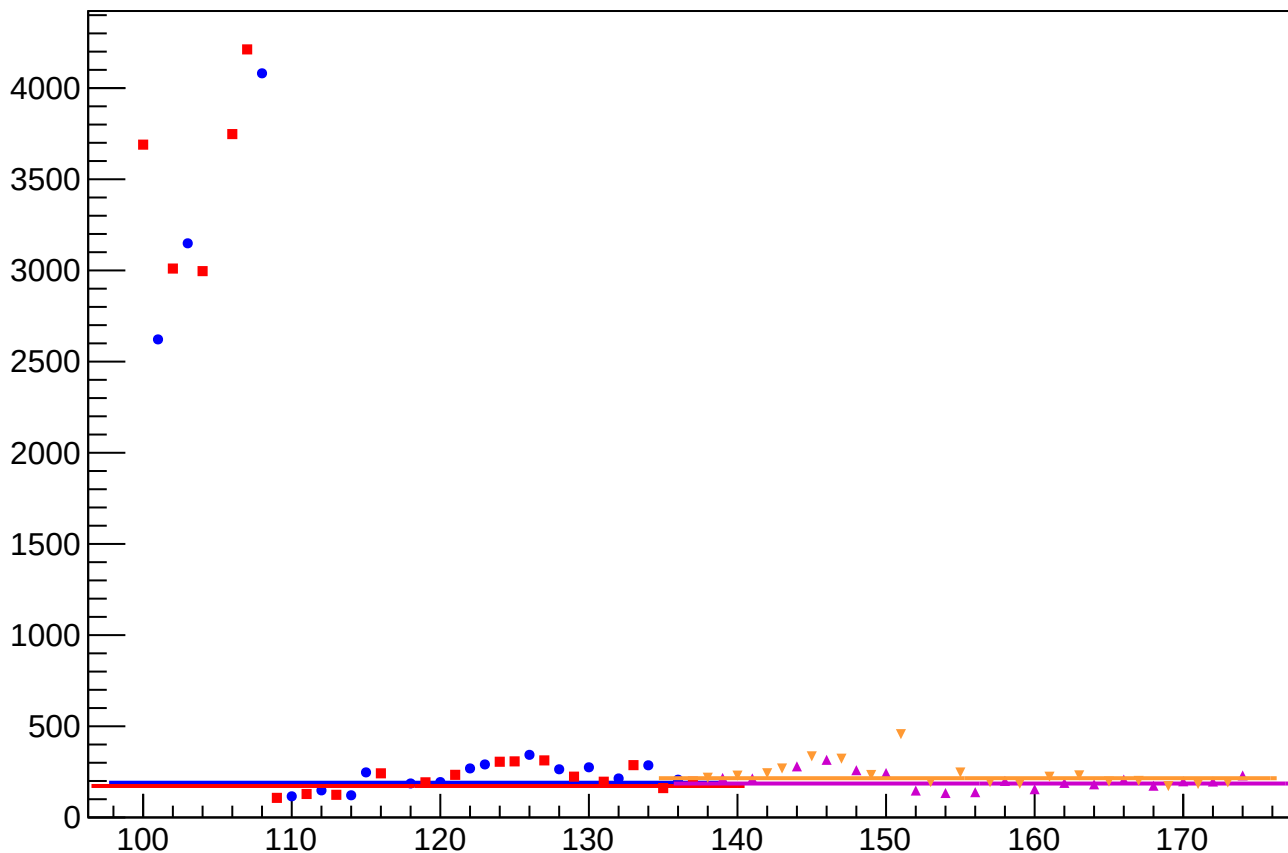
Left In: -34.536+/-52.354 χ^2/NDF : 6.1/17

+ sign 16.588+/-48.964 χ^2/NDF : 19.3/35

All: -8.171+/-32.691 χ^2/NDF : 38.5/72

- 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: 215.257+/-0.042 χ^2/NDF :1174733.8/18

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

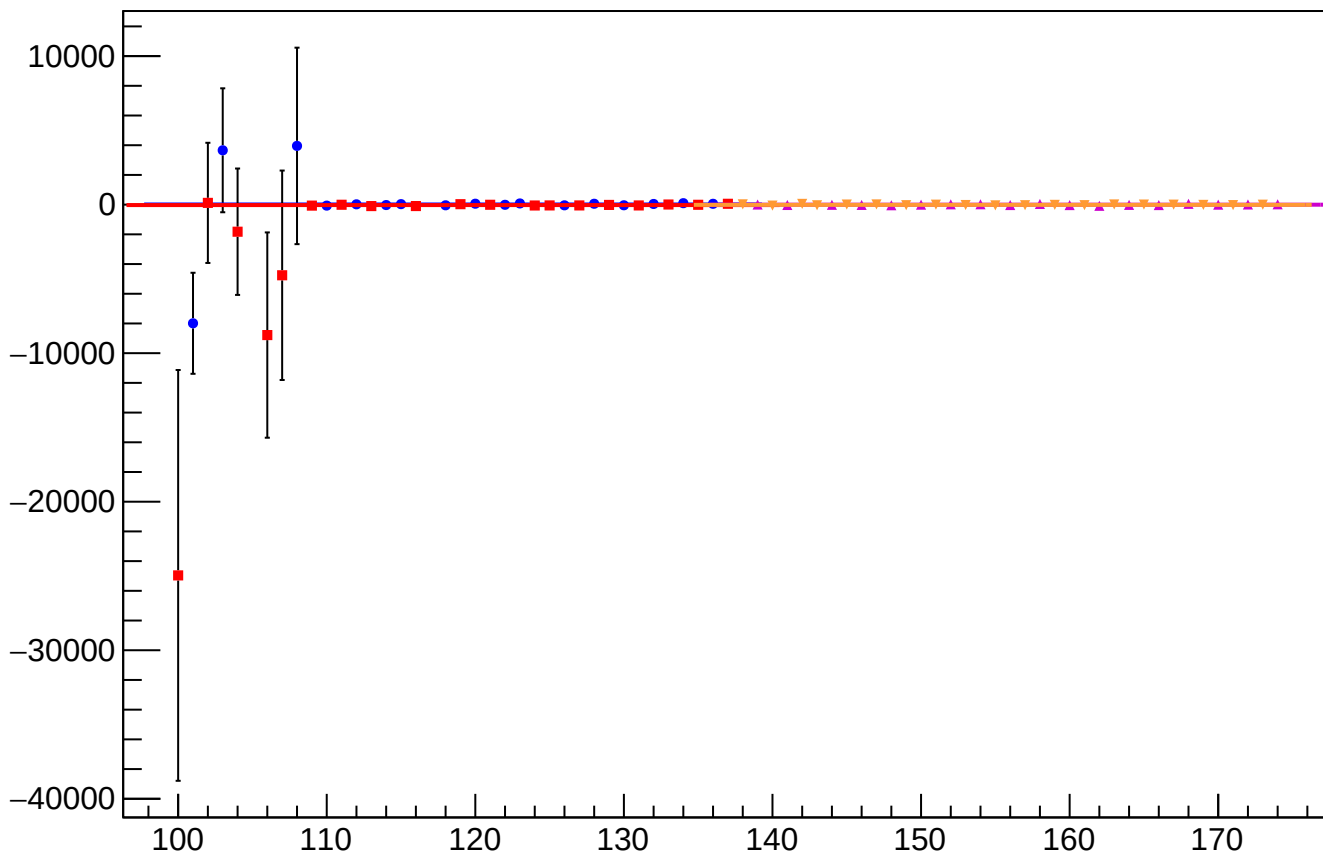
Left In: 186.062+/-0.037 χ^2/NDF :1372006.3/17

+ sign 207.475+/-0.035 χ^2/NDF : 4868597.2/35

All: 193.395+/-0.023 χ^2/NDF : 10796566.4/72

- 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: -14.224 $\pm$ 7.732 χ^2 /NDF: 11.0/18

Right Out: -29.627 $\pm$ 12.328 χ^2 /NDF: 16.5/18

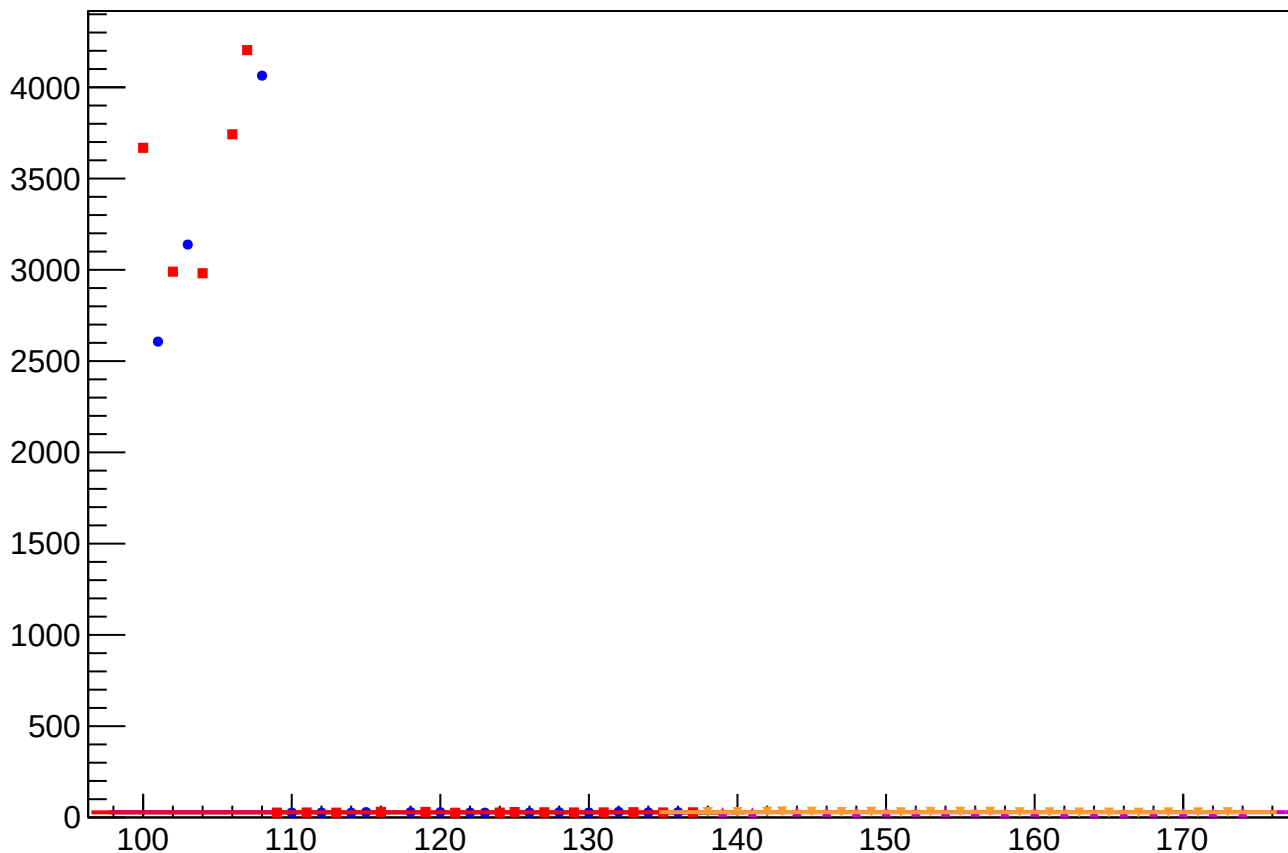
Left In: -3.916 $\pm$ 7.769 χ^2 /NDF: 18.5/17

+ sign -7.455 $\pm$ 6.542 χ^2 /NDF: 36.9/35

All: -9.331 $\pm$ 4.637 χ^2 /NDF: 75.1/72

- 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: 29.062+/-0.005 χ^2/NDF : 102410.2/18

Right Out: 27.917+/-0.009 χ^2/NDF : 3479610.6/18

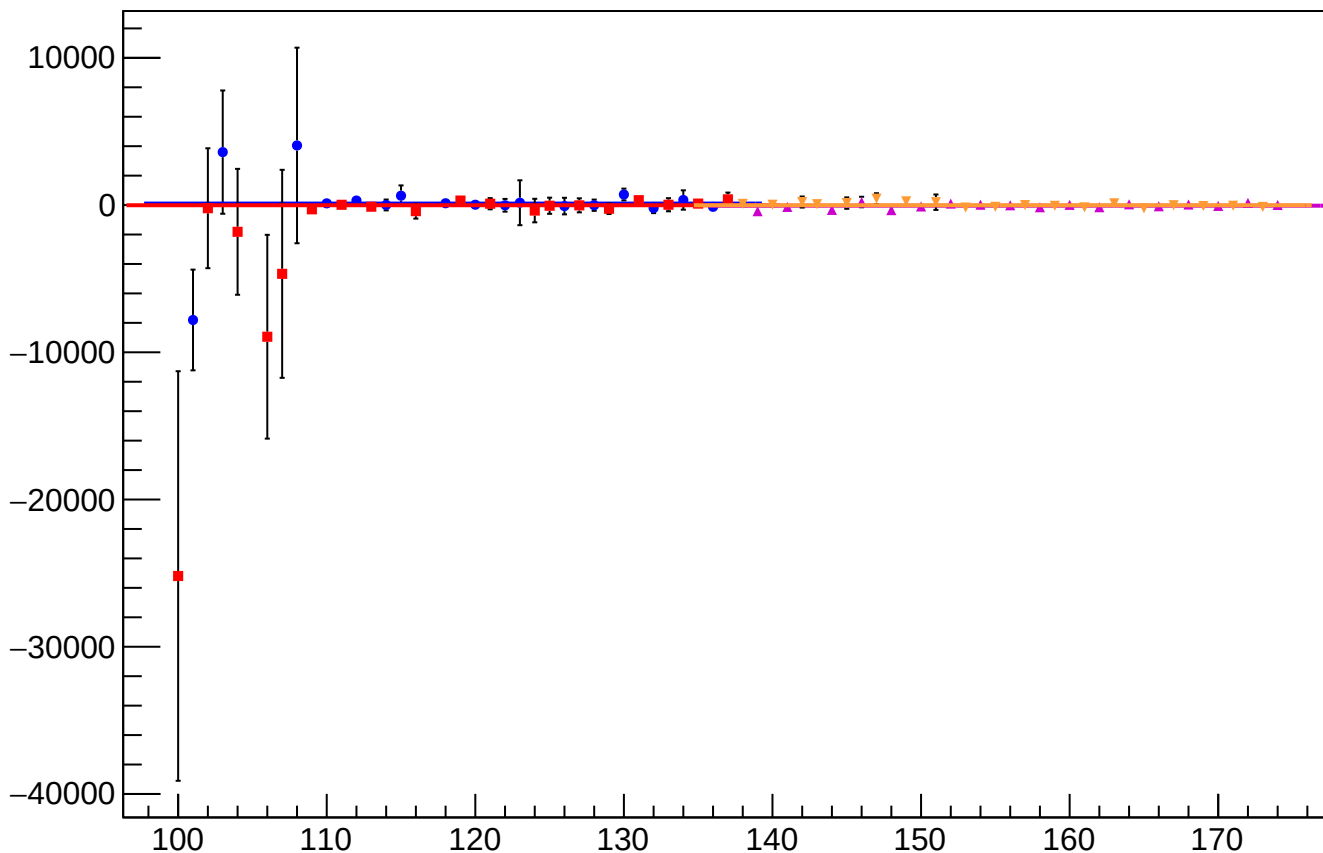
Left In: 28.885+/-0.005 χ^2/NDF : 117472.6/17

+ sign 28.767+/-0.005 χ^2/NDF : 3139675.6/35

All: 28.689+/-0.003 χ^2/NDF : 6746153.1/72

- 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: -11.655 $\pm$ 59.835 χ^2 /NDF: 5.5/18

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

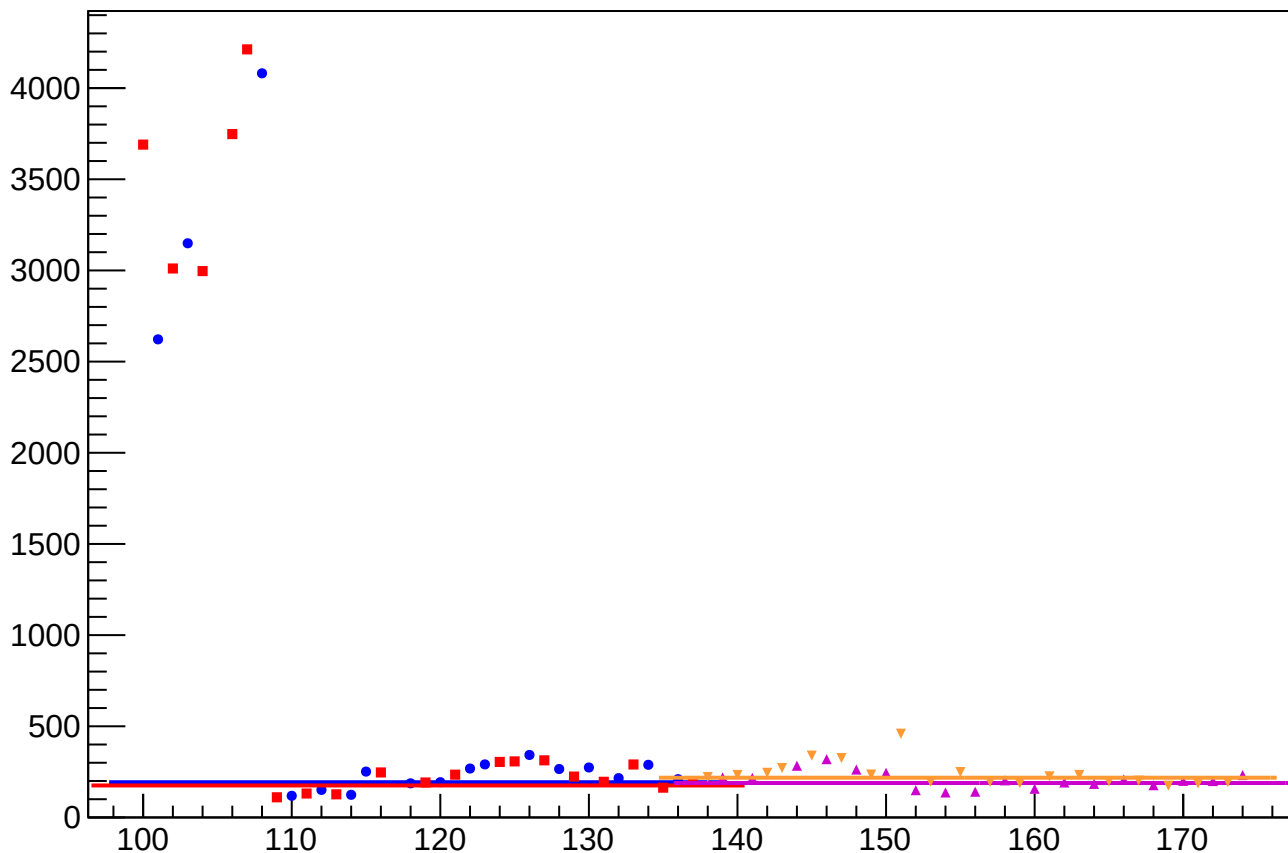
Left In: -41.916 $\pm$ 53.079 χ^2 /NDF: 6.7/17

+ sign 23.989 $\pm$ 49.550 χ^2 /NDF: 19.0/35

All: -7.443 $\pm$ 33.114 χ^2 /NDF: 38.7/72

- 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+/-0.063 χ^2/NDF : 3536123.5/16

Left Out: 217.958+/-0.042 χ^2/NDF :1160961.9/18

Right Out: 175.485+/-0.058 χ^2/NDF : 4165391.7/18

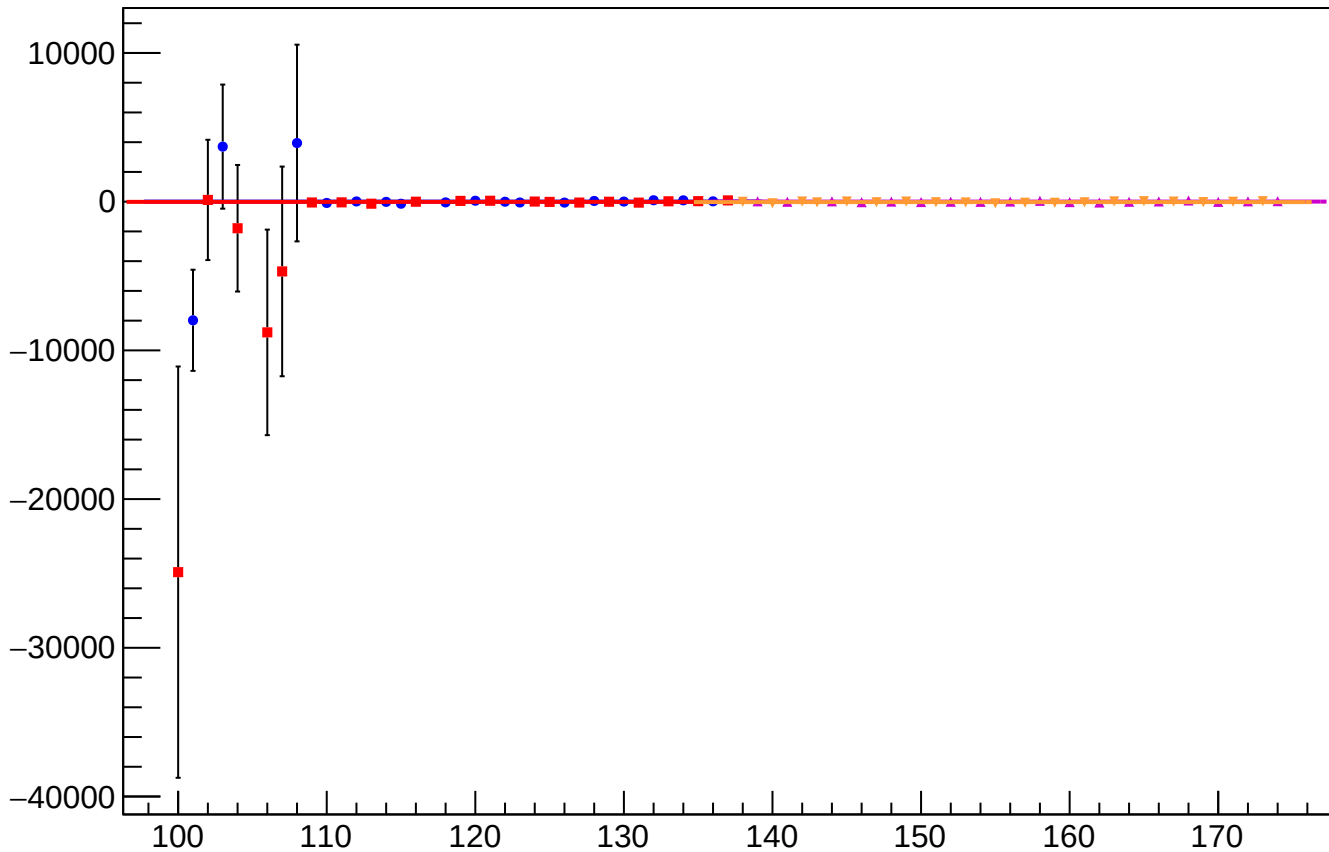
Left In: 188.816+/-0.038 χ^2/NDF :1339812.6/17

+ sign 210.174+/-0.035 χ^2/NDF : 4804768.9/35

All: 196.167+/-0.023 χ^2/NDF : 10636241.6/72

- sign 184.861+/-0.031 χ^2/NDF : 5542628.7/36

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.651 ± 14.935 χ^2/NDF : 20.4/16

Left Out: -27.457 ± 9.227 χ^2/NDF : 21.0/18

Right Out: -12.487 ± 14.947 χ^2/NDF : 21.7/18

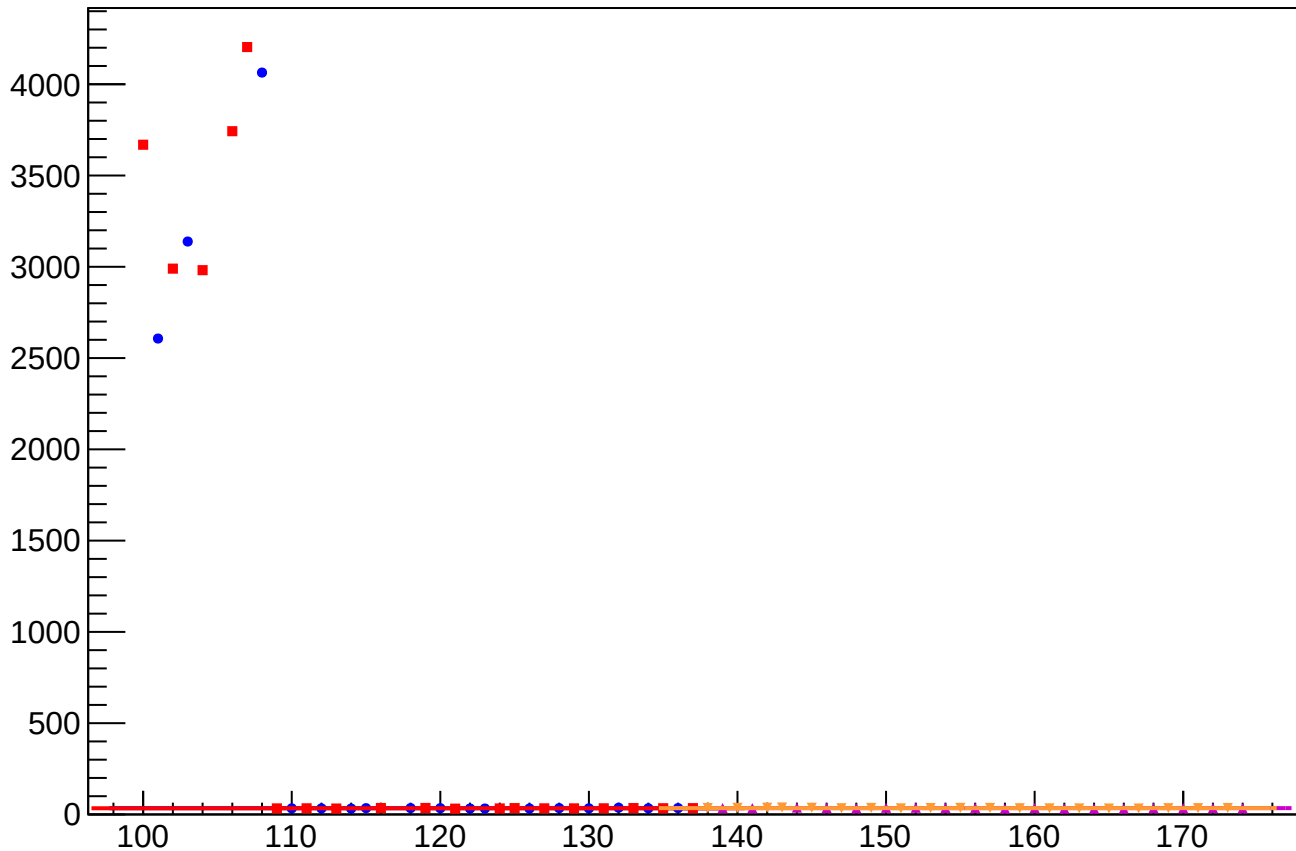
Left In: 5.526 ± 9.302 χ^2/NDF : 12.8/17

+ sign -18.588 ± 7.849 χ^2/NDF : 44.8/35

All: -9.103 ± 5.567 χ^2/NDF : 83.2/72

- sign 0.497 ± 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: 34.738 $\pm$ 0.007 χ^2 /NDF: 47303.8/18

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

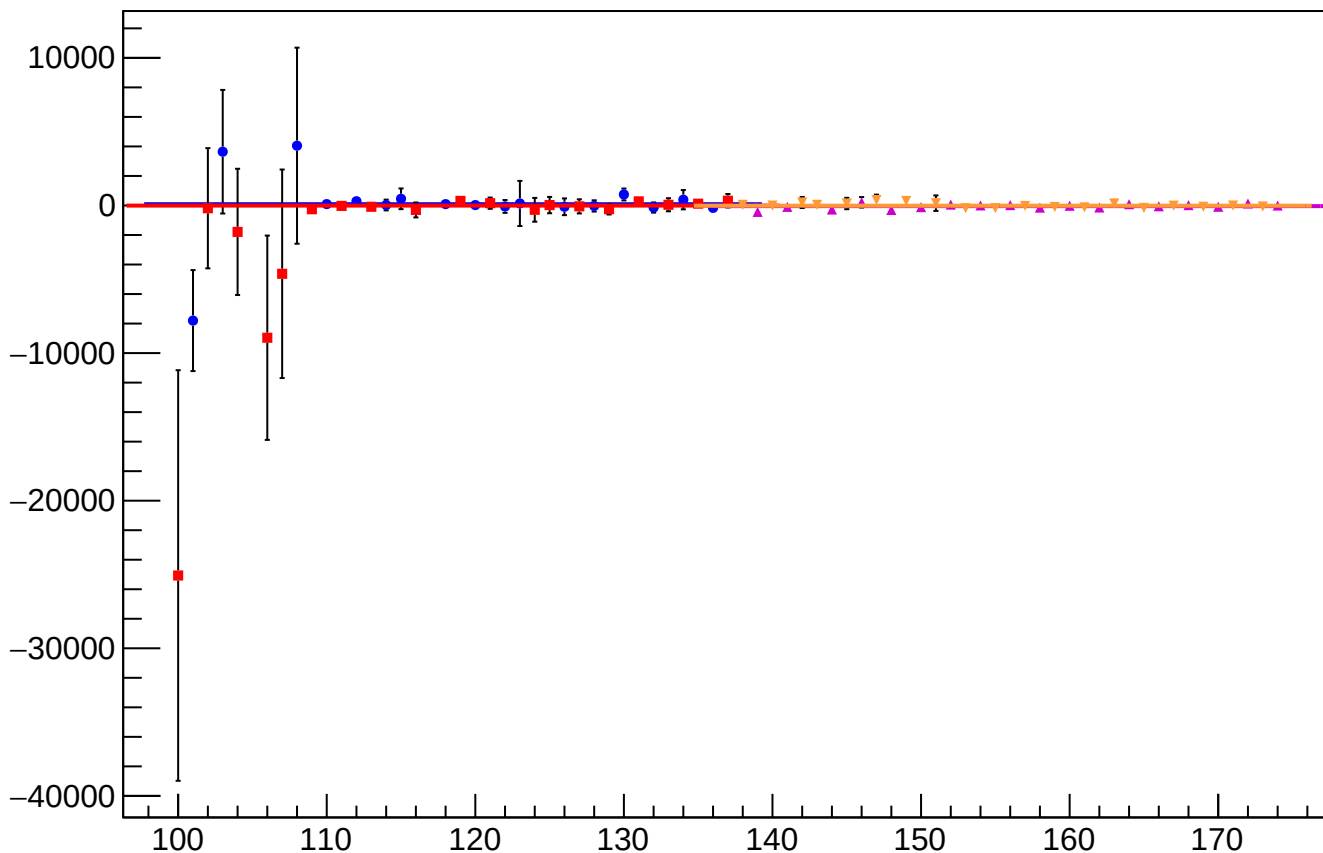
Left In: 34.647 $\pm$ 0.007 χ^2 /NDF: 52751.0/17

+ sign 34.572 $\pm$ 0.006 χ^2 /NDF: 3055893.3/35

All: 34.507 $\pm$ 0.004 χ^2 /NDF: 6564286.6/72

- 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: -13.974 $\pm$ 59.712 χ^2 /NDF: 5.3/18

Right Out: -7.296 $\pm$ 81.208 χ^2 /NDF: 11.1/18

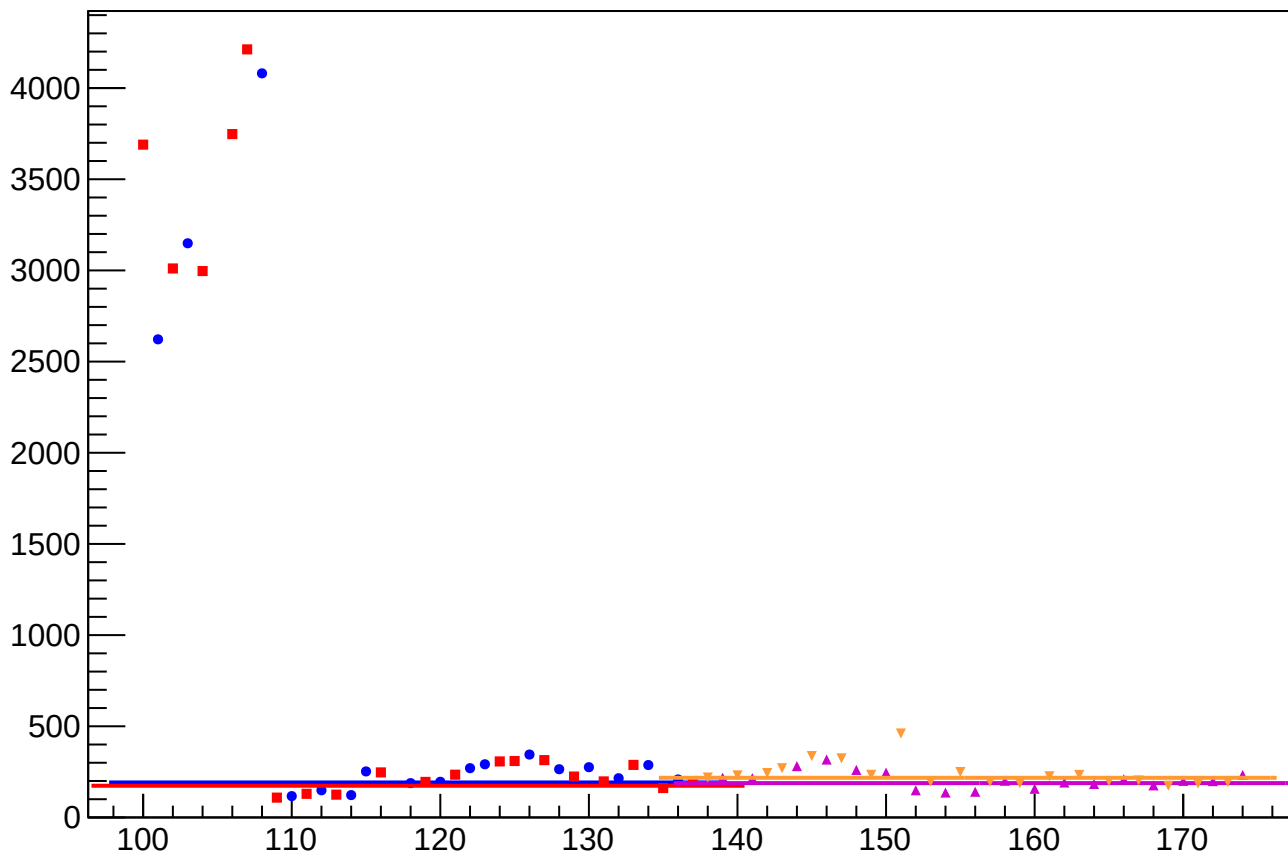
Left In: -43.299 $\pm$ 52.953 χ^2 /NDF: 6.0/17

+ sign 17.583 $\pm$ 49.401 χ^2 /NDF: 18.6/35

All: -10.178 $\pm$ 33.005 χ^2 /NDF: 36.4/72

- 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: 217.516 $\pm$ 0.042 χ^2 /NDF: 1152496.8/18

Right Out: 173.928 $\pm$ 0.057 χ^2 /NDF: 4211385.1/18

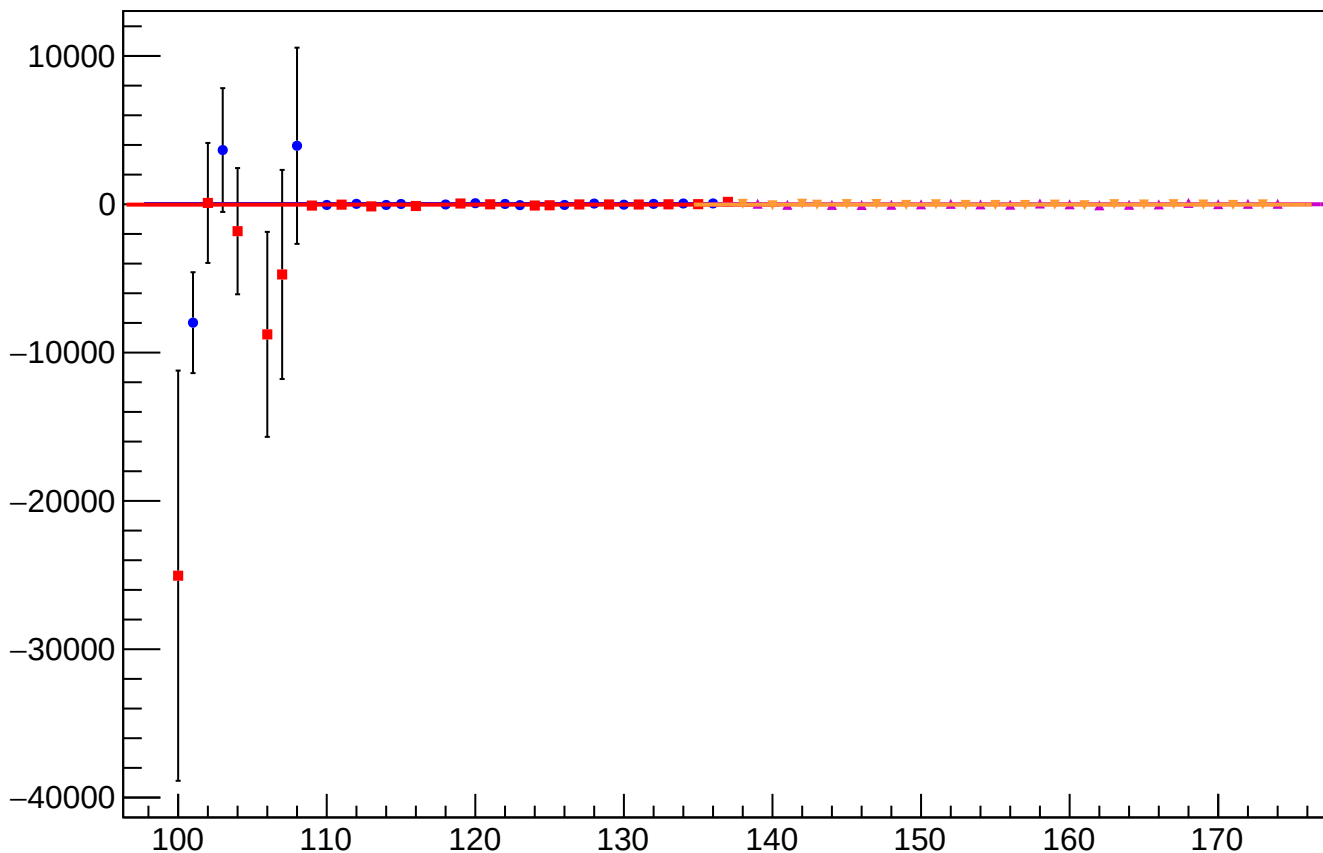
Left In: 188.362 $\pm$ 0.037 χ^2 /NDF: 1330347.0/17

+ sign 209.427 $\pm$ 0.035 χ^2 /NDF: 4841868.8/35

All: 195.380 $\pm$ 0.023 χ^2 /NDF: 10720000.6/72

- 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: -21.018+/-8.351 χ^2/NDF : 12.2/18

Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

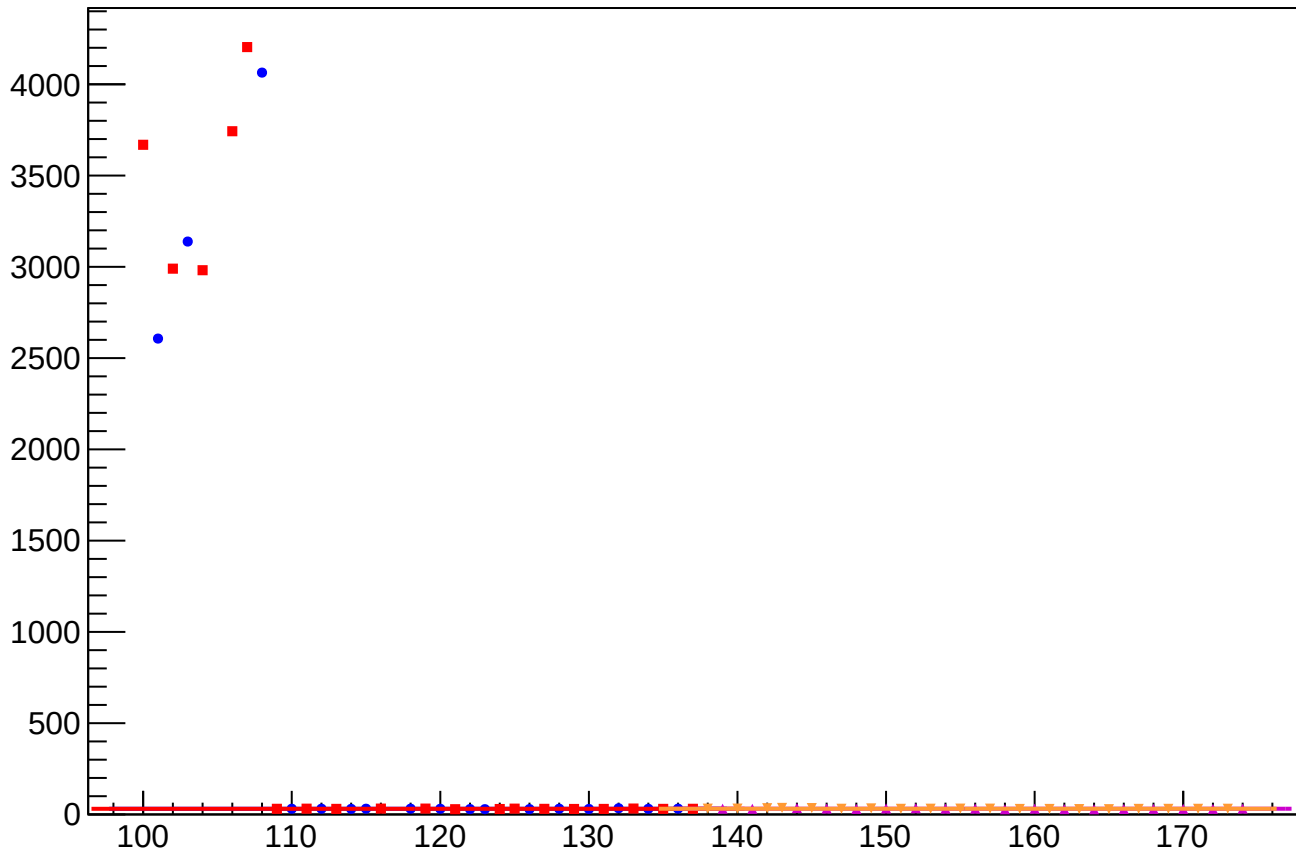
Left In: 1.160+/-8.424 χ^2/NDF : 23.7/17

+ sign -11.415+/-7.119 χ^2/NDF : 32.2/35

All: -8.529+/-5.051 χ^2/NDF : 86.1/72

- 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 $\pm$ 0.010 χ^2 /NDF: 3014425.9/16

Left Out: 31.409 $\pm$ 0.006 χ^2 /NDF: 73295.6/18

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

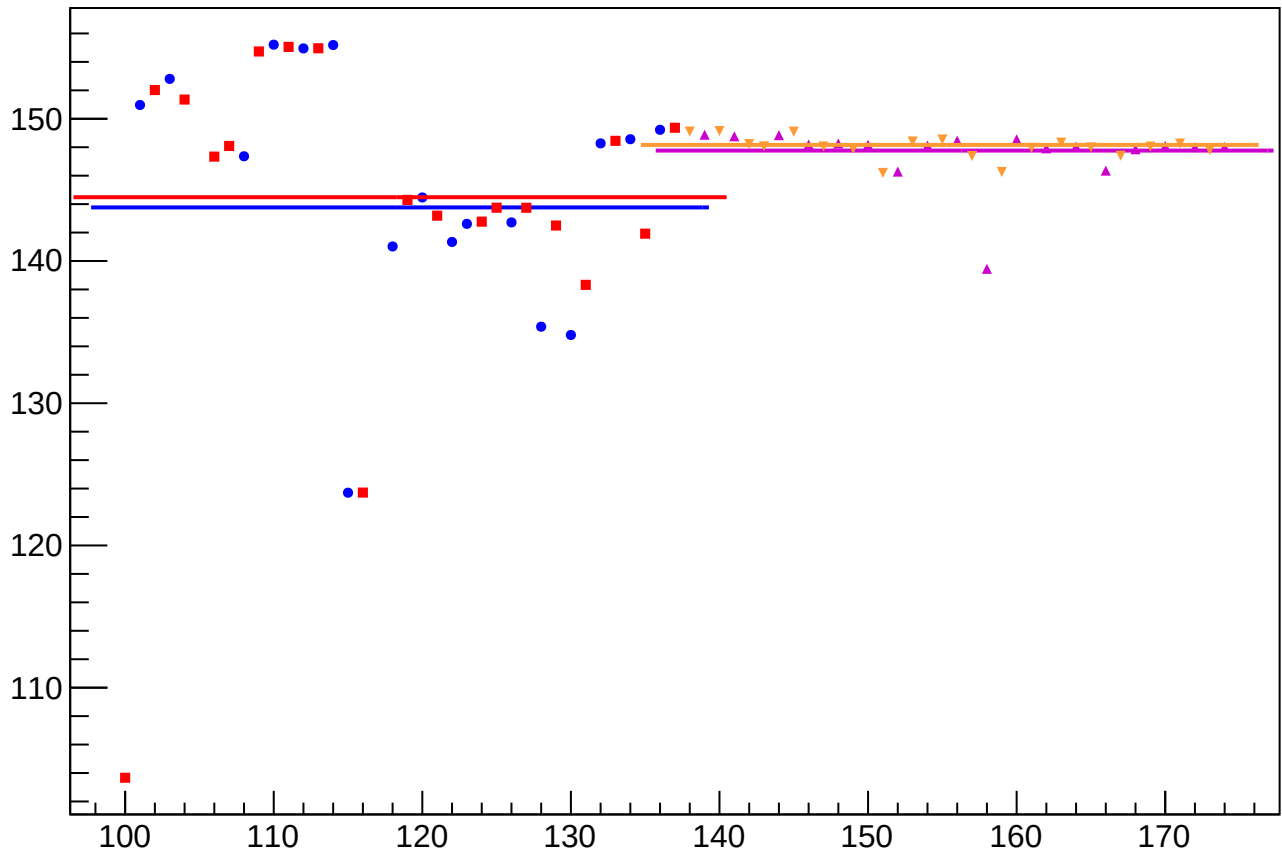
Left In: 31.334 $\pm$ 0.006 χ^2 /NDF: 82233.8/17

+ sign 31.332 $\pm$ 0.005 χ^2 /NDF: 3088348.2/35

All: 31.282 $\pm$ 0.004 χ^2 /NDF: 6630794.2/72

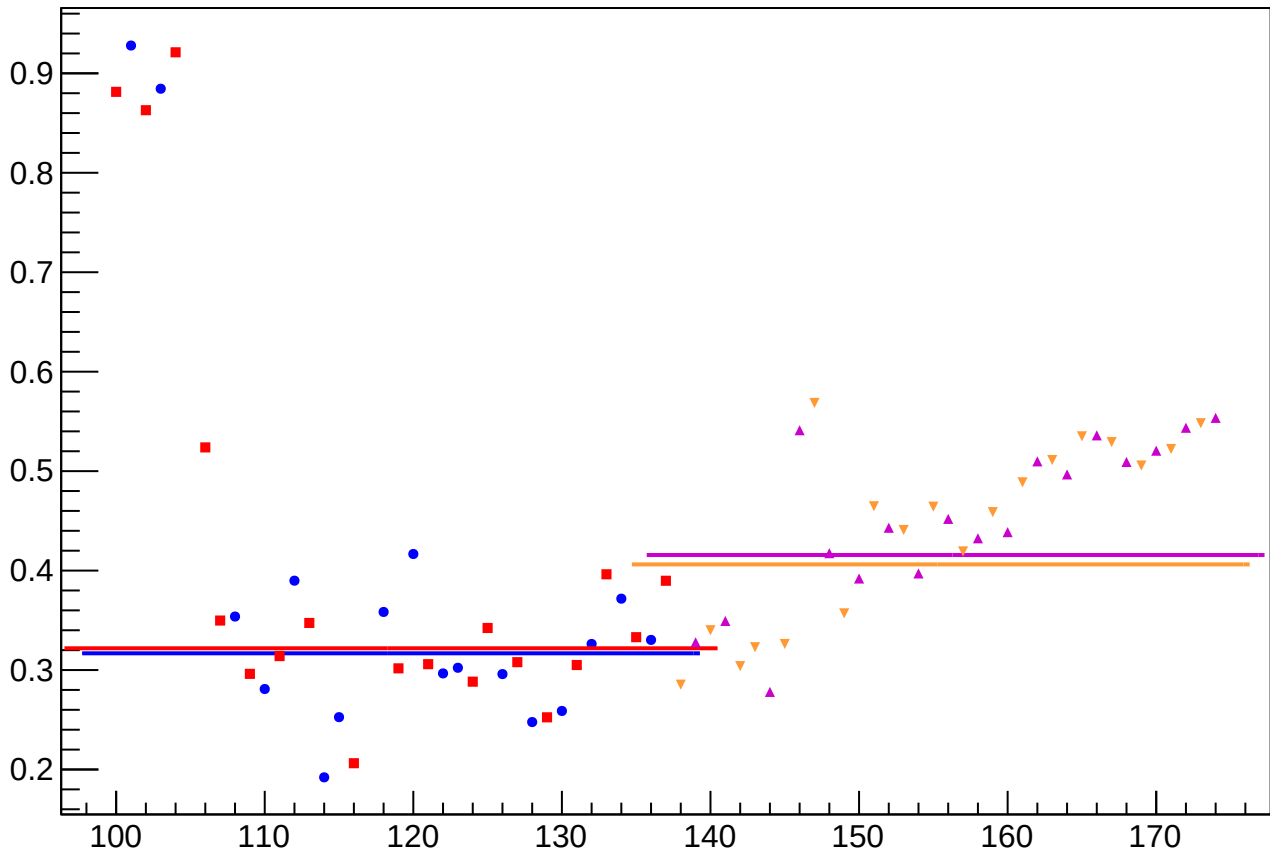
- sign 31.232 $\pm$ 0.005 χ^2 /NDF: 3542249.5/36

yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000	χ^2 /NDF: 3532173868.5/16	+ sign 146.349 $\pm$ 0.000	χ^2 /NDF: 4216188139.2/35
Left Out: 148.163 $\pm$ 0.000	χ^2 /NDF: 52868886.7/18	All: 146.350 $\pm$ 0.000	χ^2 /NDF: 9070803178.6
Right Out: 144.486 $\pm$ 0.000	χ^2 /NDF: 4183608291.3/18	- sign 146.352 $\pm$ 0.000	χ^2 /NDF: 4854614173.4/36
Left In: 147.764 $\pm$ 0.000	χ^2 /NDF: 324749789.0/17		

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1278613.2/16

Left Out: 0.406 $\pm$ 0.000 χ^2 /NDF:1298780.3/18

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1217762.5/18

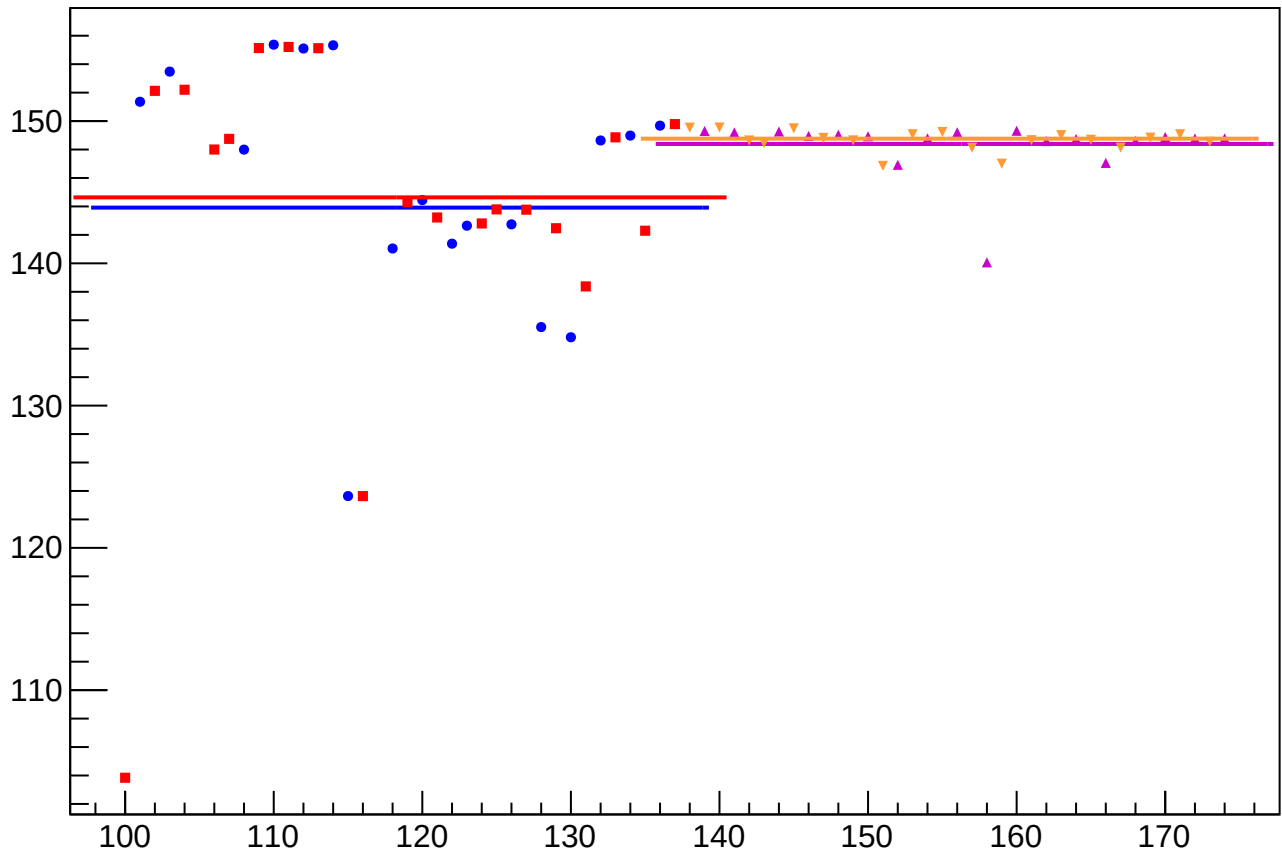
Left In: 0.416 $\pm$ 0.000 χ^2 /NDF:1098241.5/17

+ sign 0.369 $\pm$ 0.000 χ^2 /NDF: 3099652.5/35

All: 0.372 $\pm$ 0.000 χ^2 /NDF: 5987482.3/72

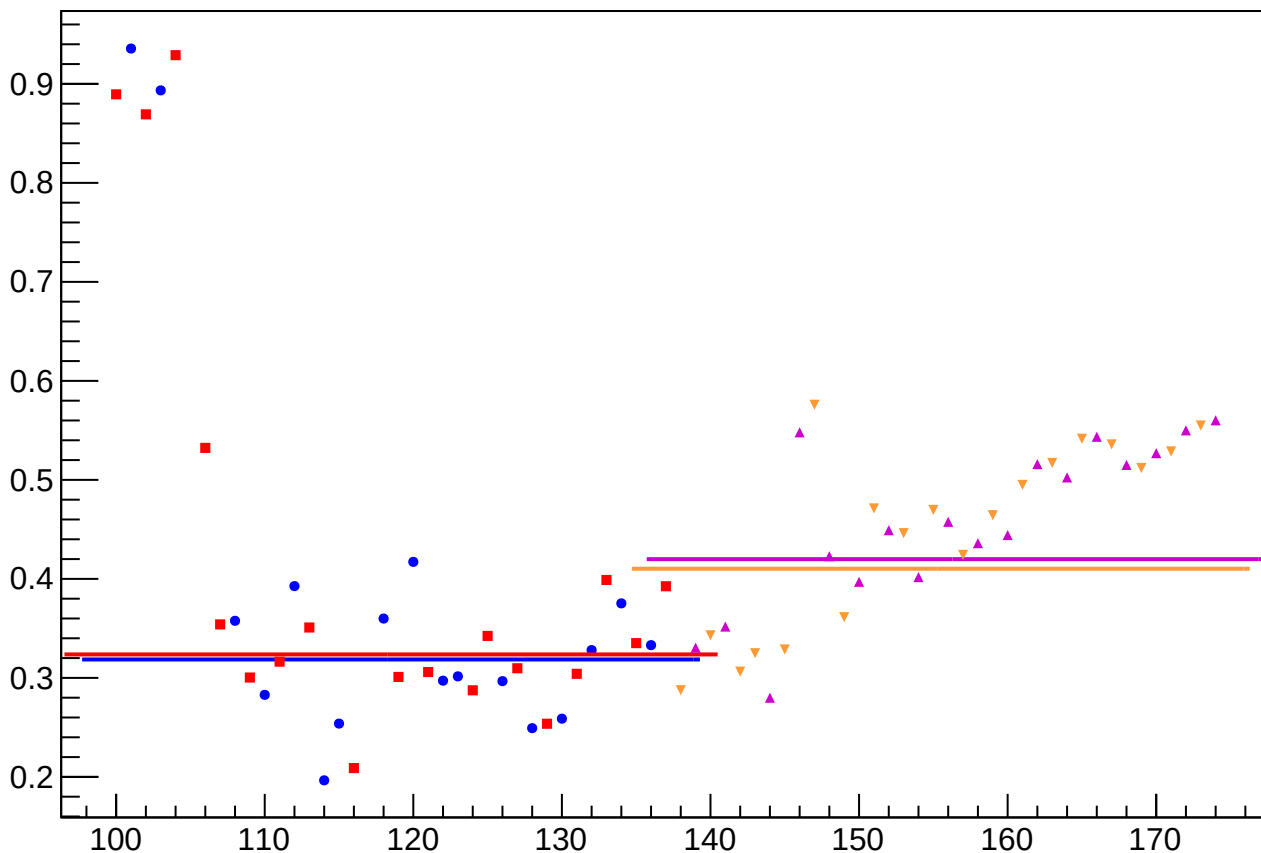
- sign 0.375 $\pm$ 0.000 χ^2 /NDF: 2883078.3/36

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000	χ^2 /NDF: 3584662767.5/16	+ sign 146.752 $\pm$ 0.000	χ^2 /NDF: 4382228441.4/35
Left Out: 148.764 $\pm$ 0.000	χ^2 /NDF: 41345859.6/18	All: 146.759 $\pm$ 0.000	χ^2 /NDF: 9354575981.4
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 ± 0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.410 ± 0.000 χ^2/NDF : 1322058.0/18

Right Out: 0.324 ± 0.000 χ^2/NDF : 1220898.3/18

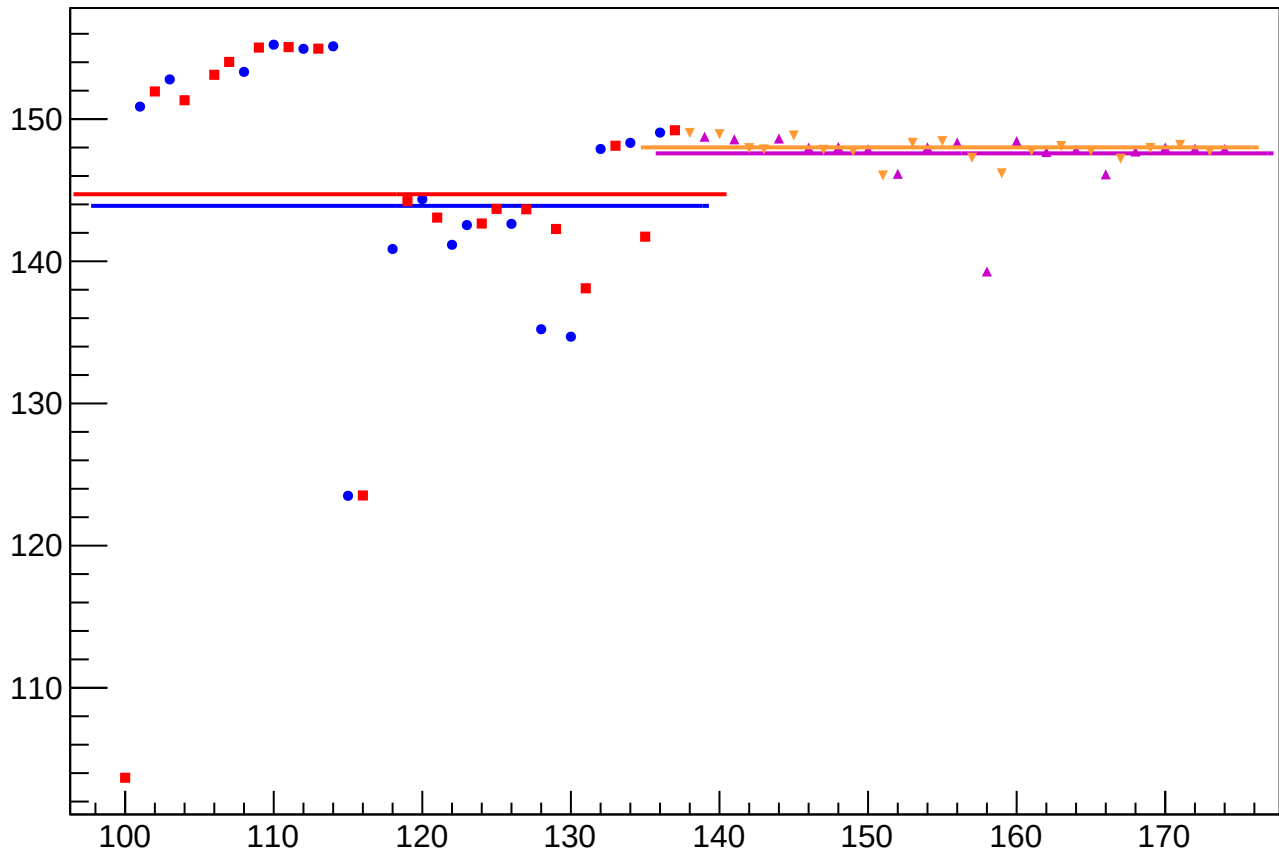
Left In: 0.420 ± 0.000 χ^2/NDF : 1118412.0/17

+ sign 0.372 ± 0.000 χ^2/NDF : 3143733.6/35

All: 0.375 ± 0.000 χ^2/NDF : 6075230.2/72

- sign 0.378 ± 0.000 χ^2/NDF : 2926696.6/36

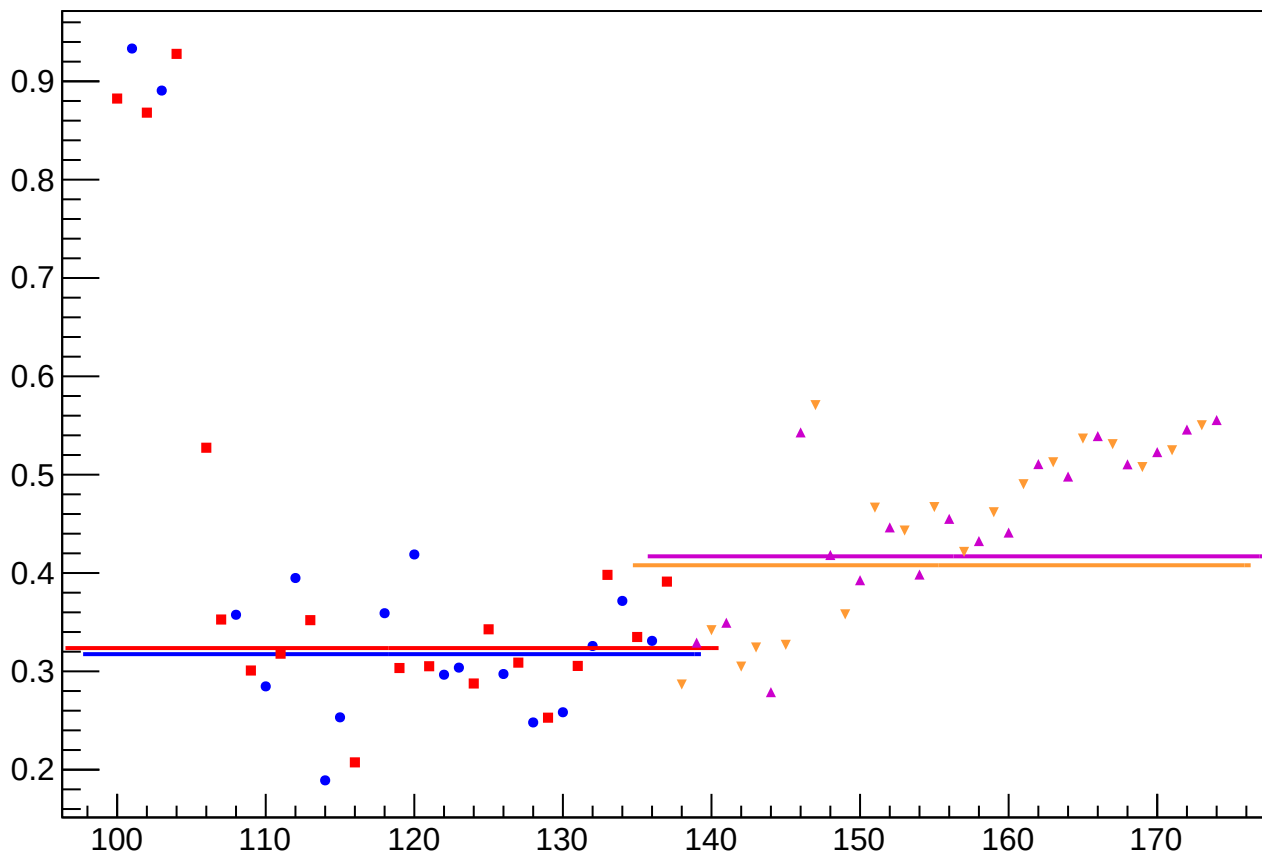
yield_bcm_an_us_mean vs Slug



Right In: 143.899 ± 0.000 χ^2/NDF : 3749888331.0/16
 Left Out: 148.010 ± 0.000 χ^2/NDF : 51220438.6/18
 Right Out: 144.715 ± 0.000 χ^2/NDF : 4474458988.7/18
 Left In: 147.591 ± 0.000 χ^2/NDF : 324034396.9/17

+ sign 146.311 ± 0.000 χ^2/NDF : 4349784773.3/35
 All: 146.333 ± 0.000 χ^2/NDF : 9412512312.1
 - sign 146.356 ± 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: 0.408 $\pm$ 0.000 χ^2 /NDF:1299894.2/18

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1221676.7/18

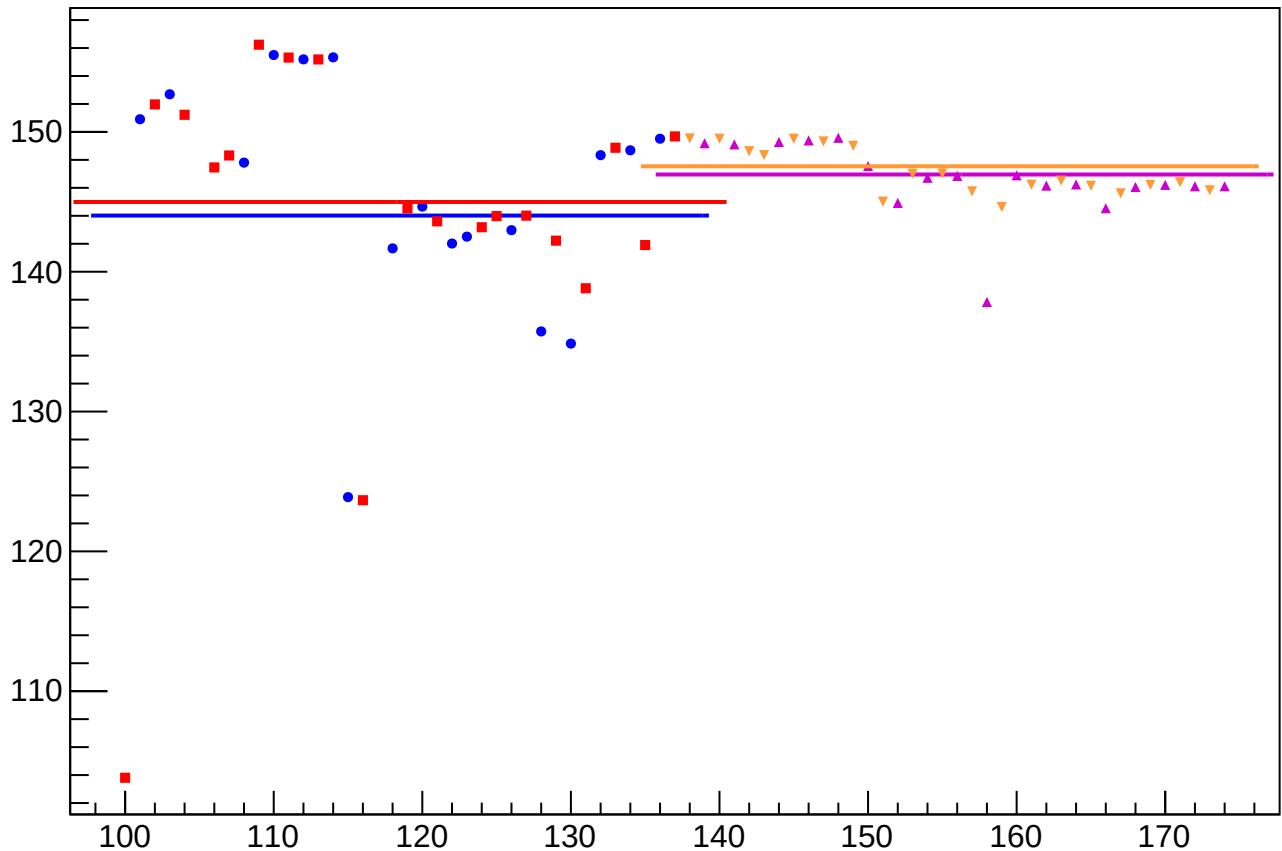
Left In: 0.417 $\pm$ 0.000 χ^2 /NDF:1104209.0/17

+ sign 0.371 $\pm$ 0.000 χ^2 /NDF: 3123415.4/35

All: 0.374 $\pm$ 0.000 χ^2 /NDF: 6010563.7/72

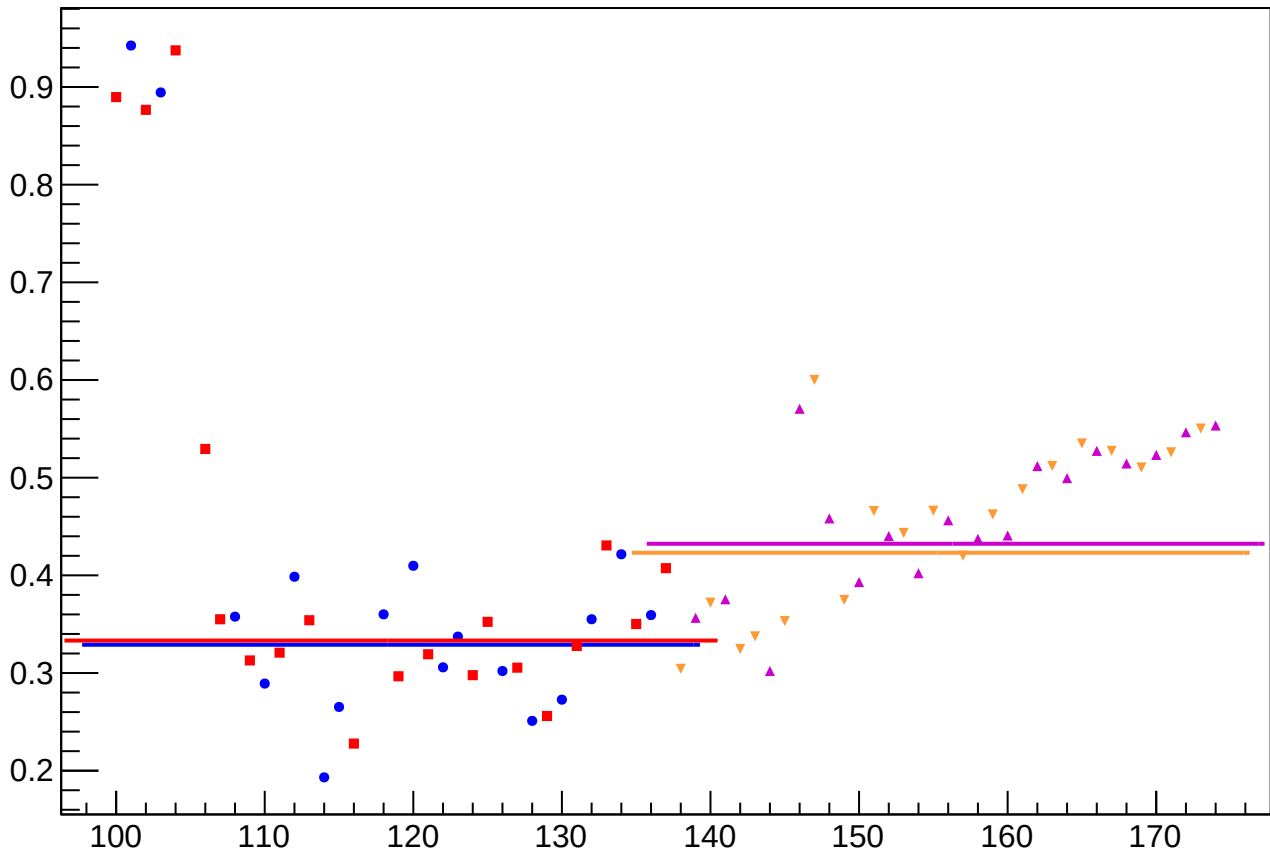
- sign 0.377 $\pm$ 0.000 χ^2 /NDF: 2881771.5/36

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 $\pm$ 0.000	χ^2 /NDF: 3238525527.6/16	+ sign 146.092 $\pm$ 0.000	χ^2 /NDF: 3821878550.6/35
Left Out: 147.543 $\pm$ 0.000	χ^2 /NDF: 207478637.9/18	All: 146.101 $\pm$ 0.000	χ^2 /NDF: 8297556400.9
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 $\pm$ 0.000 χ^2 /NDF: 1276118.3/16

Left Out: 0.423 $\pm$ 0.000 χ^2 /NDF:1013422.1/18

Right Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 1182496.7/18

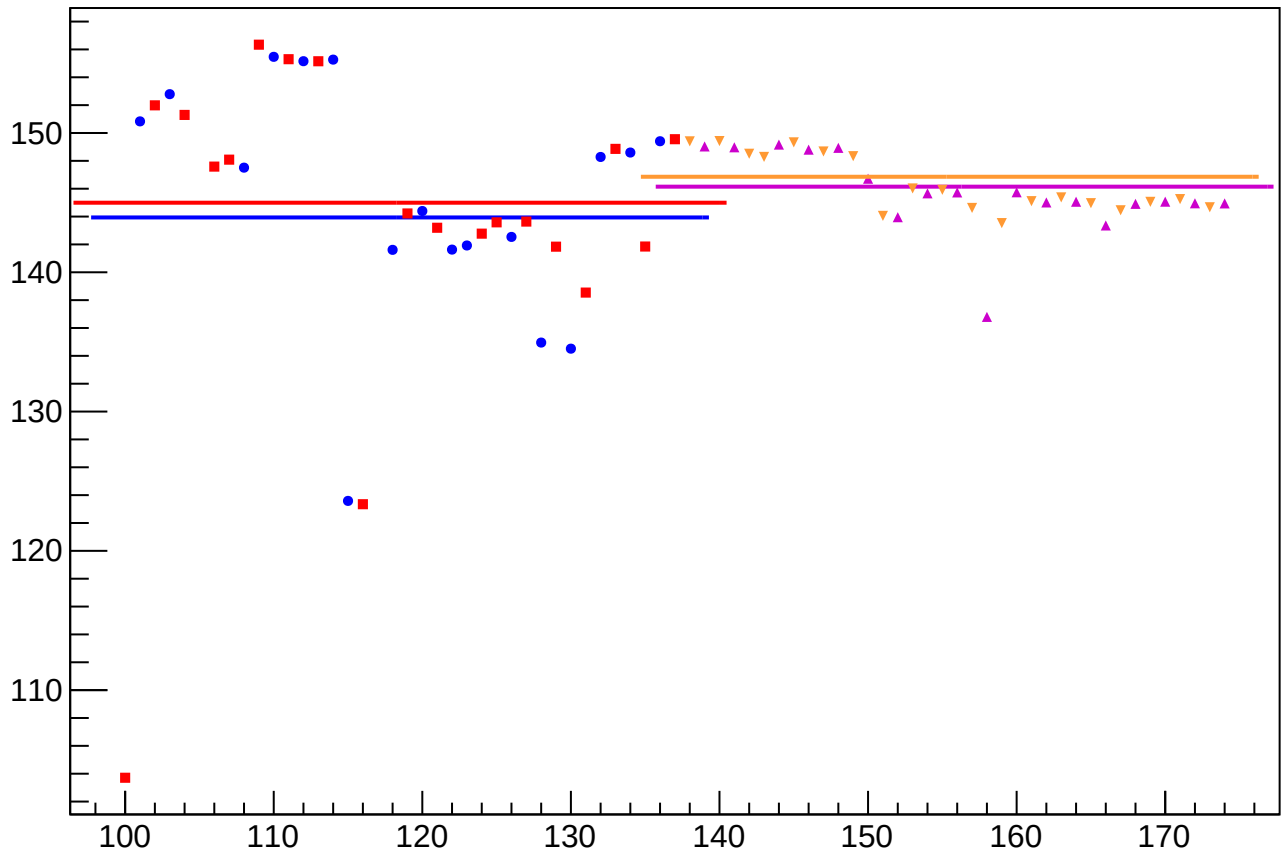
Left In: 0.432 $\pm$ 0.000 χ^2 /NDF:840042.9/17

+ sign 0.384 $\pm$ 0.000 χ^2 /NDF: 2825922.8/35

All: 0.387 $\pm$ 0.000 χ^2 /NDF: 5441653.2/72

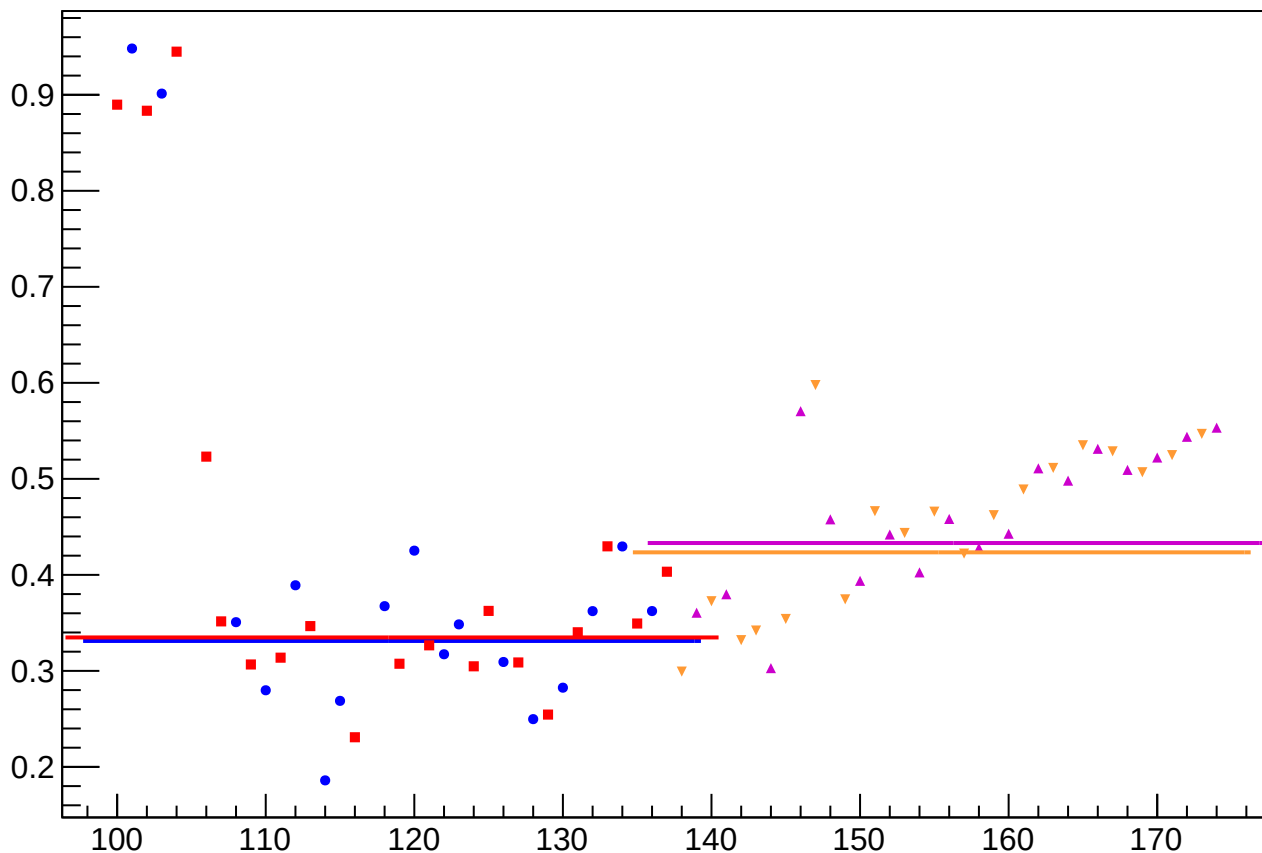
- sign 0.390 $\pm$ 0.000 χ^2 /NDF: 2612226.6/36

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000	χ^2 /NDF: 3379203532.9/16	+ sign 145.667 $\pm$ 0.000	χ^2 /NDF: 3957098594.4/35
Left Out: 146.858 $\pm$ 0.000	χ^2 /NDF: 322607874.4/18	All: 145.660 $\pm$ 0.000	χ^2 /NDF: 8559814545.2
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 $\pm$ 0.000 χ^2 /NDF: 1295749.0/16

Left Out: 0.423 $\pm$ 0.000 χ^2 /NDF:1002657.1/18

Right Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1172239.8/18

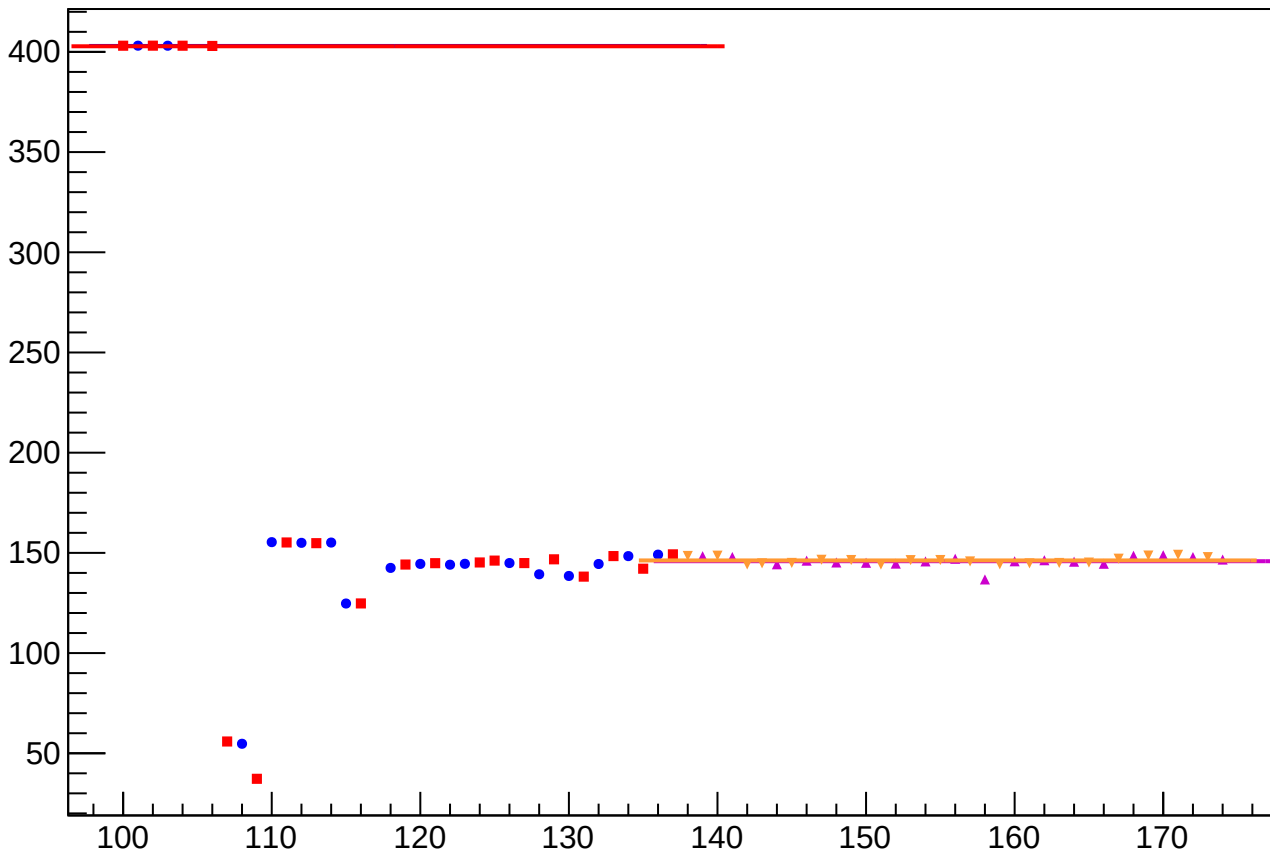
Left In: 0.433 $\pm$ 0.000 χ^2 /NDF:811700.2/17

+ sign 0.386 $\pm$ 0.000 χ^2 /NDF: 2807900.3/35

All: 0.388 $\pm$ 0.000 χ^2 /NDF: 5371274.0/72

- sign 0.391 $\pm$ 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: 146.230+/-0.000 χ^2/NDF :72721224.1/18

Right Out: 402.799+/-0.000 χ^2/NDF : 3103890772575.4/18

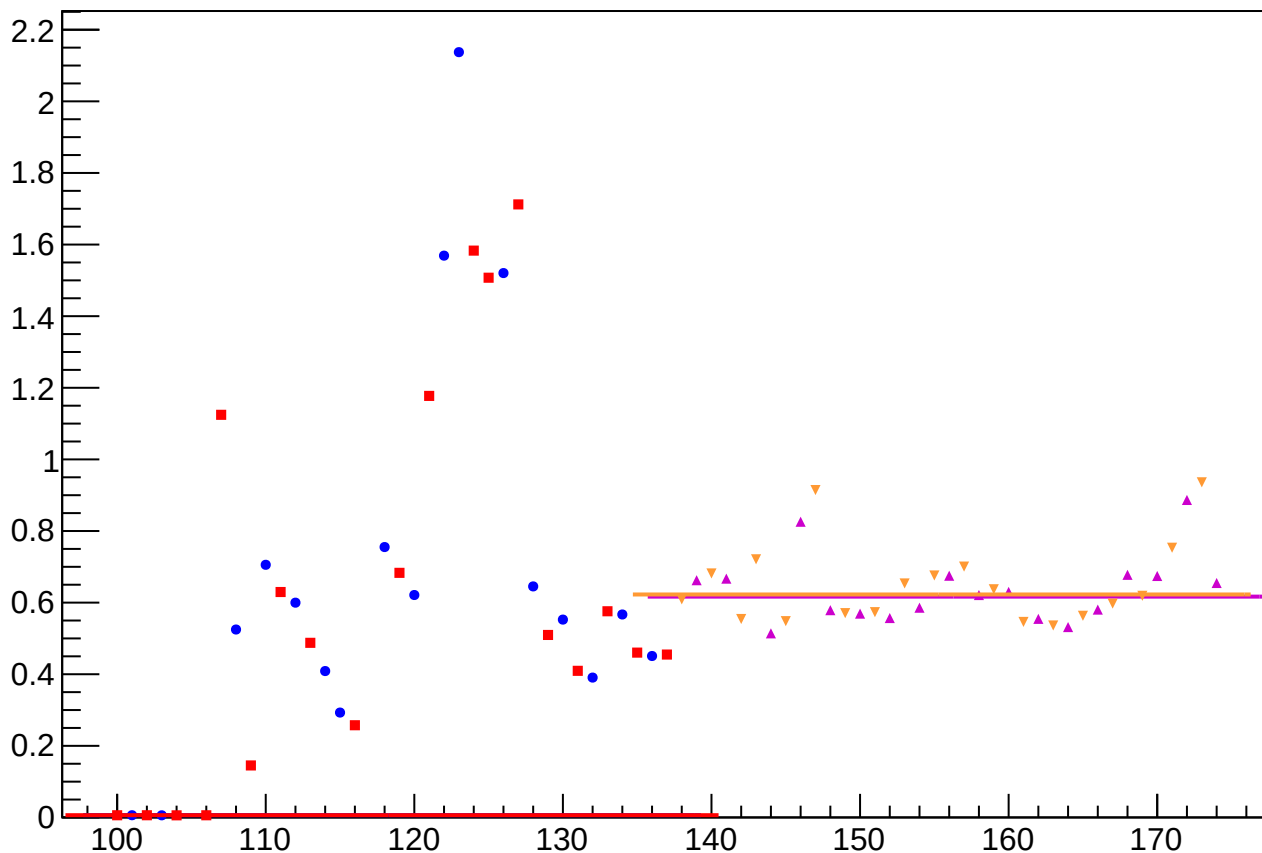
Left In: 145.842+/-0.000 χ^2/NDF :169470525.9/17

+ sign 402.733+/-0.000 χ^2/NDF : 2891351178720.3

All: 402.662+/-0.000 χ^2/NDF : 780576112733

- sign 402.599+/-0.000 χ^2/NDF : 4914112412246.4/

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.623+/-0.000 χ^2/NDF : 459968.1/18

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

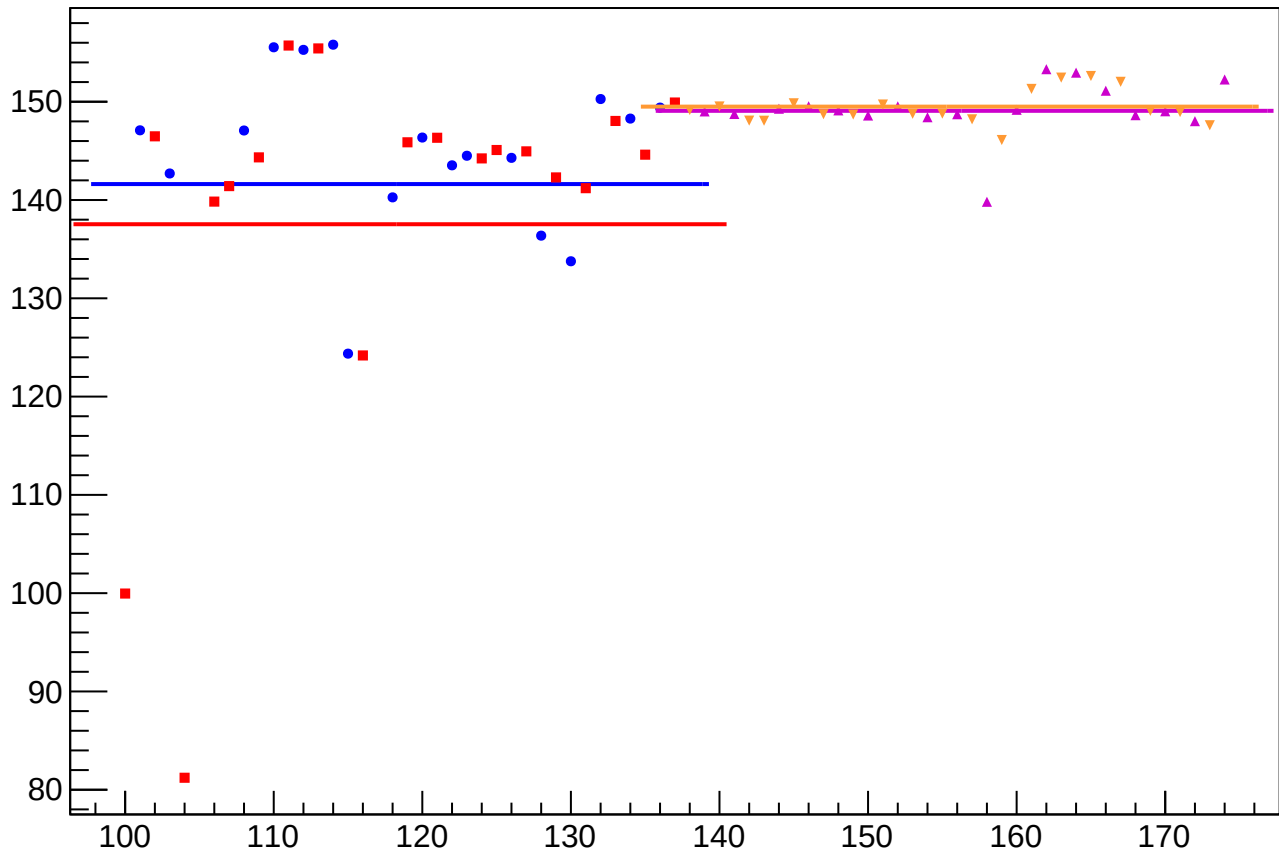
Left In: 0.617+/-0.000 χ^2/NDF : 345802.4/17

+ sign 0.007+/-0.000 χ^2/NDF : 30311626.4/35

All: 0.007+/-0.000 χ^2/NDF : 60299902.8/72

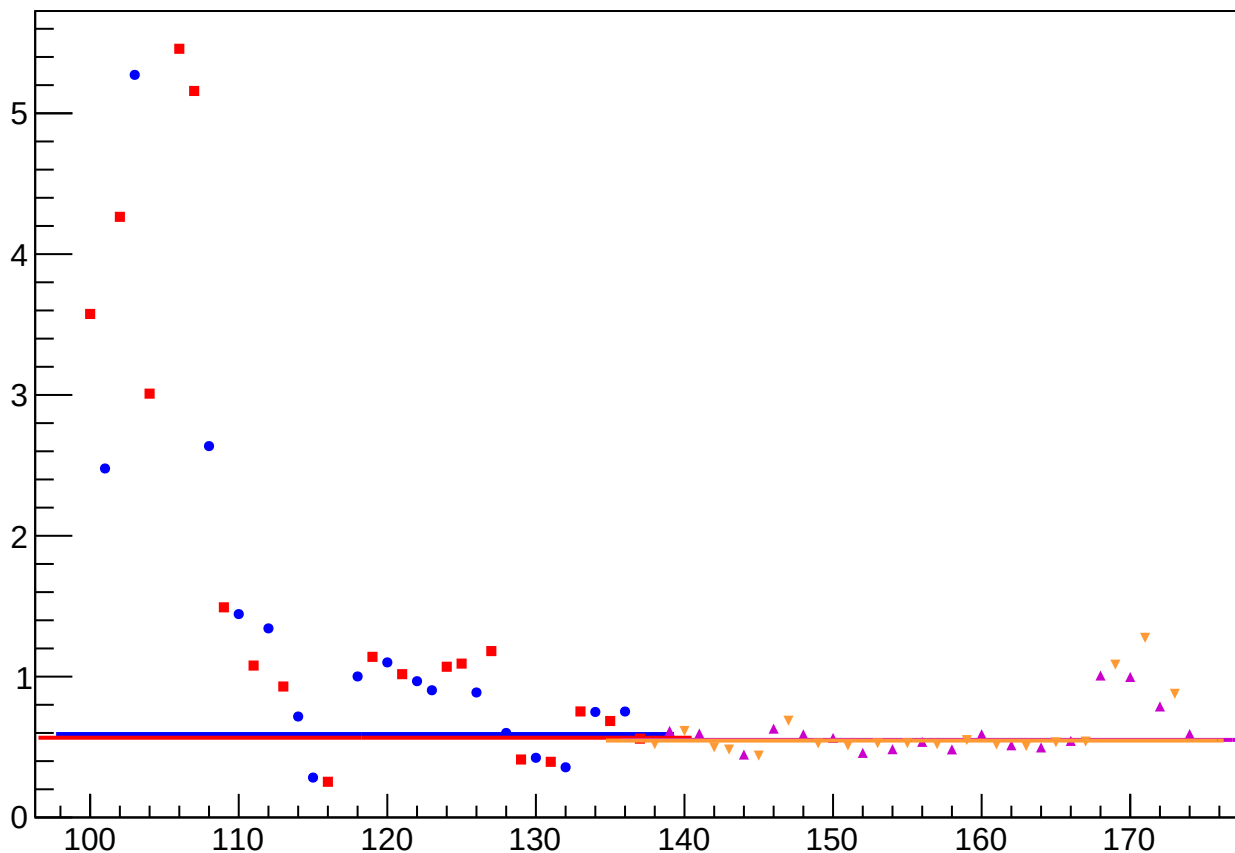
- sign 0.007+/-0.000 χ^2/NDF : 29988087.6/36

yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000	χ^2 /NDF: 982037737.7/16	+ sign 147.920 $\pm$ 0.000	χ^2 /NDF: 1606599312.5/35
Left Out: 149.501 $\pm$ 0.000	χ^2 /NDF: 122424028.2/18	All: 147.273 $\pm$ 0.000	χ^2 /NDF: 4462570593.9
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: 0.546 $\pm$ 0.000 χ^2 /NDF:1218232.6/18

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4682140.9/18

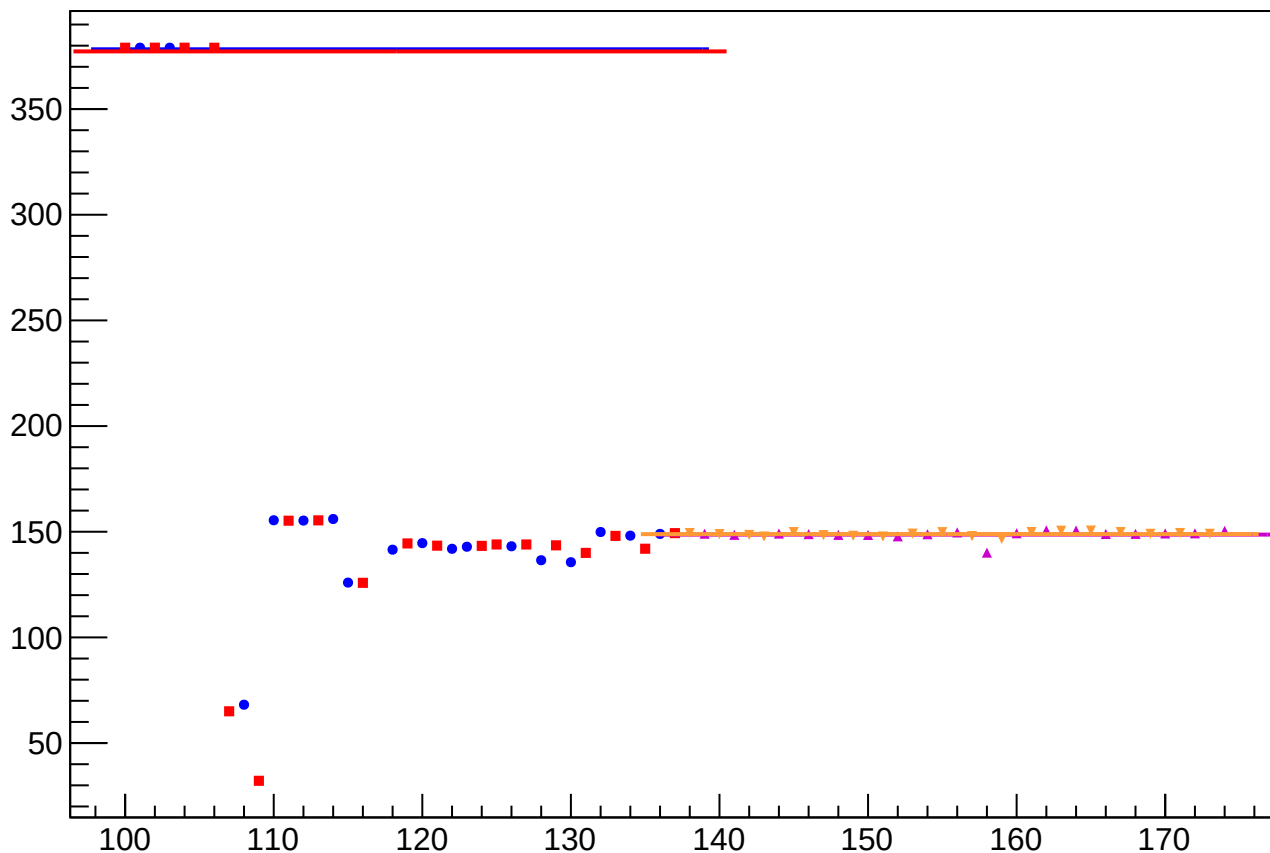
Left In: 0.551 $\pm$ 0.000 χ^2 /NDF:961317.3/17

+ sign 0.555 $\pm$ 0.000 χ^2 /NDF: 4774463.3/35

All: 0.555 $\pm$ 0.000 χ^2 /NDF: 10421963.7/72

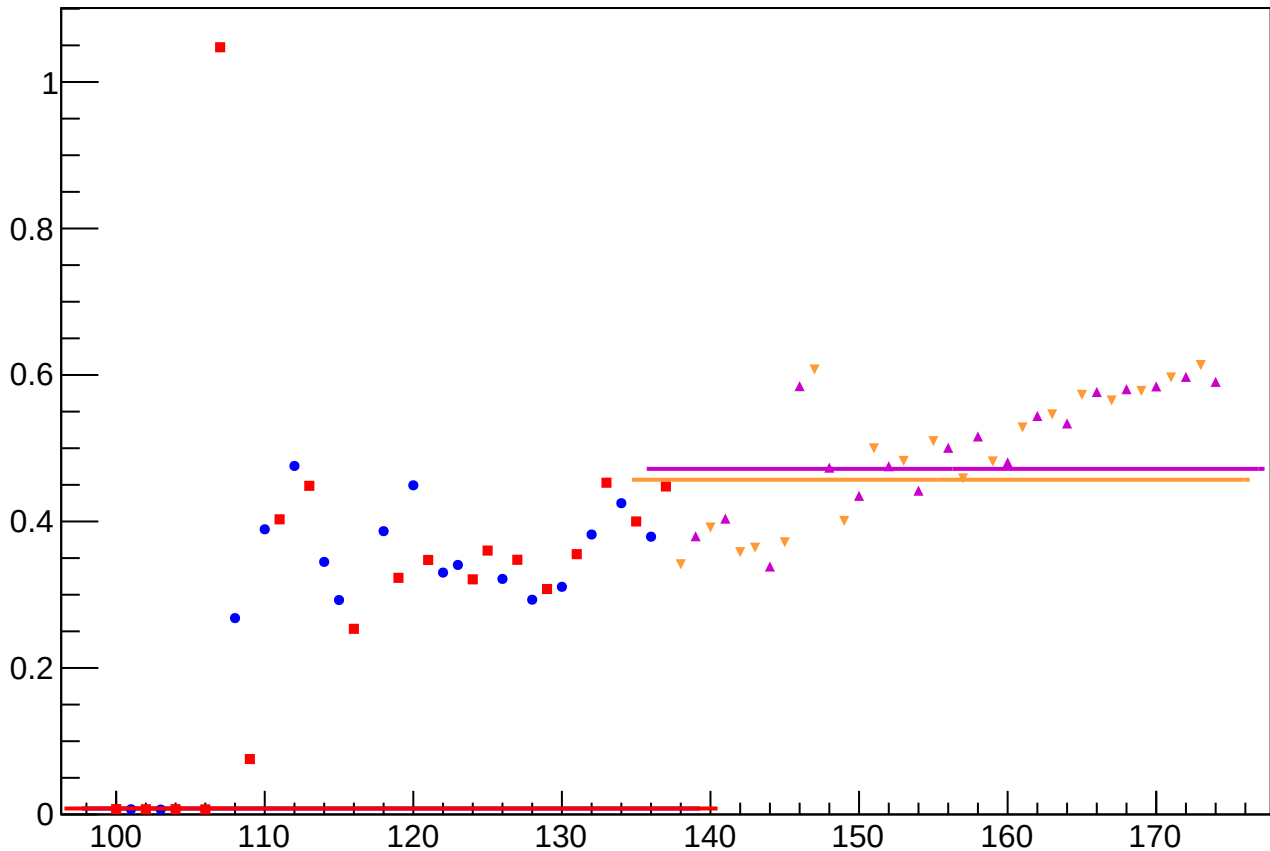
- sign 0.554 $\pm$ 0.000 χ^2 /NDF: 5647425.8/36

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2 /NDF: 2512261599188.1/16
 Left Out: 148.868+/-0.000 χ^2 /NDF: 60679113.6/18
 Right Out: 377.289+/-0.000 χ^2 /NDF: 8279468194444.1/18
 Left In: 148.647+/-0.000 χ^2 /NDF: 242021826.9/17

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.457+/-0.000 χ^2/NDF : 1007171.3/18

Right Out: 0.008+/-0.000 χ^2/NDF : 9535410.6/18

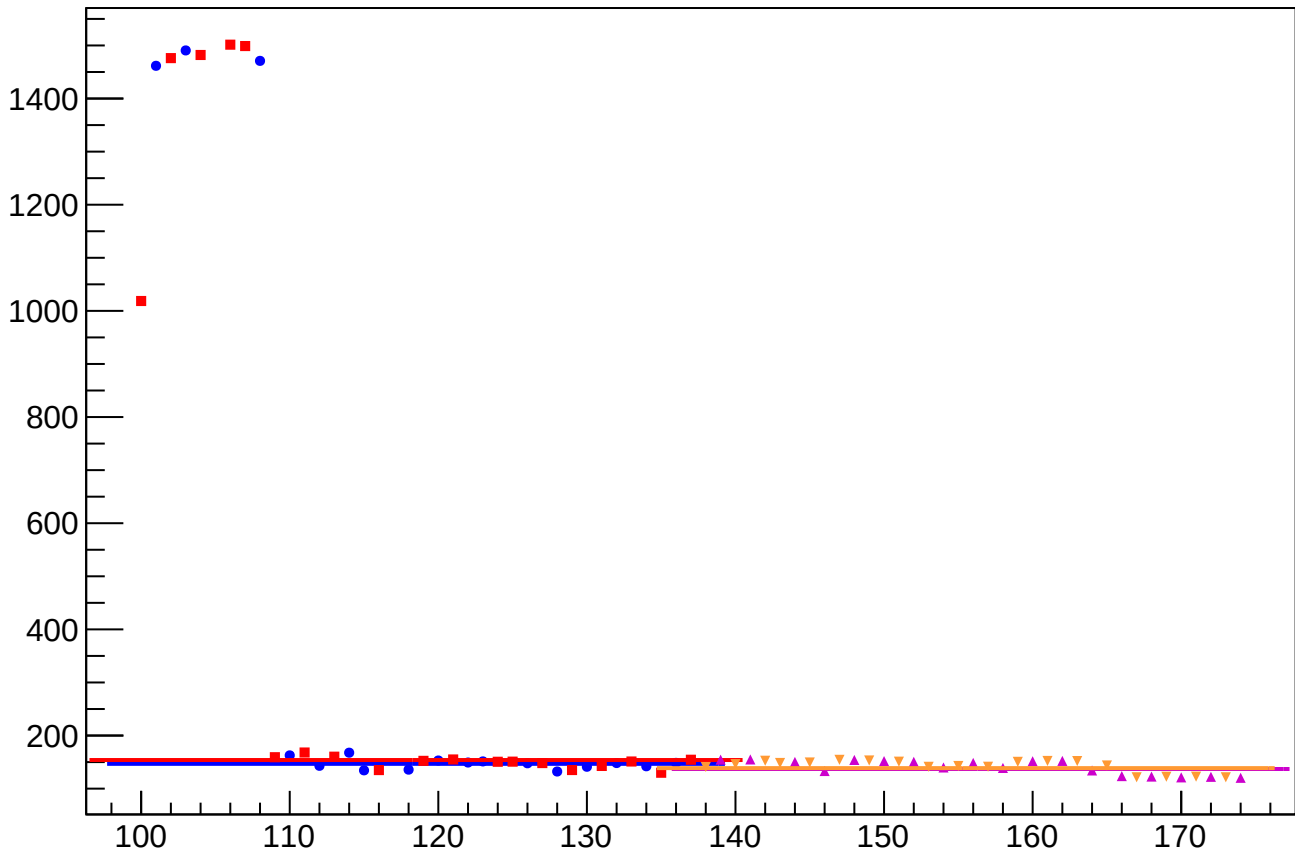
Left In: 0.472+/-0.000 χ^2/NDF : 792470.8/17

+ sign 0.010+/-0.000 χ^2/NDF : 36345411.6/35

All: 0.010+/-0.000 χ^2/NDF : 71935696.8/72

- sign 0.010+/-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: 138.647+/-0.000 χ^2/NDF : 2834656188.9/18

Right Out: 153.887+/-0.000 χ^2/NDF : 33738118250.9/18

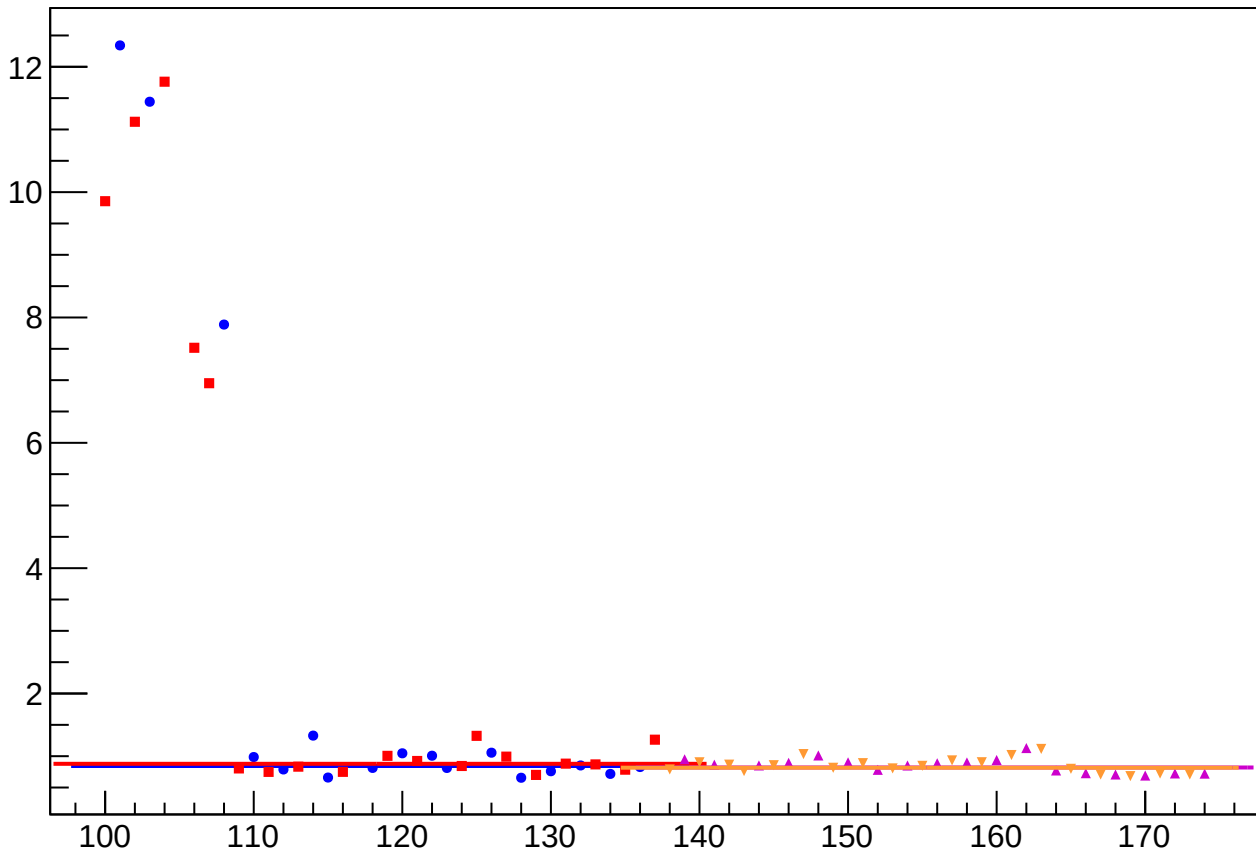
Left In: 136.991+/-0.000 χ^2/NDF : 3167214966.3/17

+ sign 140.543+/-0.000 χ^2/NDF : 27452791894.1/35

All: 140.746+/-0.000 χ^2/NDF : 65516446083.0

- 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: 0.816+/-0.000 χ^2/NDF : 421441.7/18

Right Out: 0.878+/-0.000 χ^2/NDF : 2812500.6/18

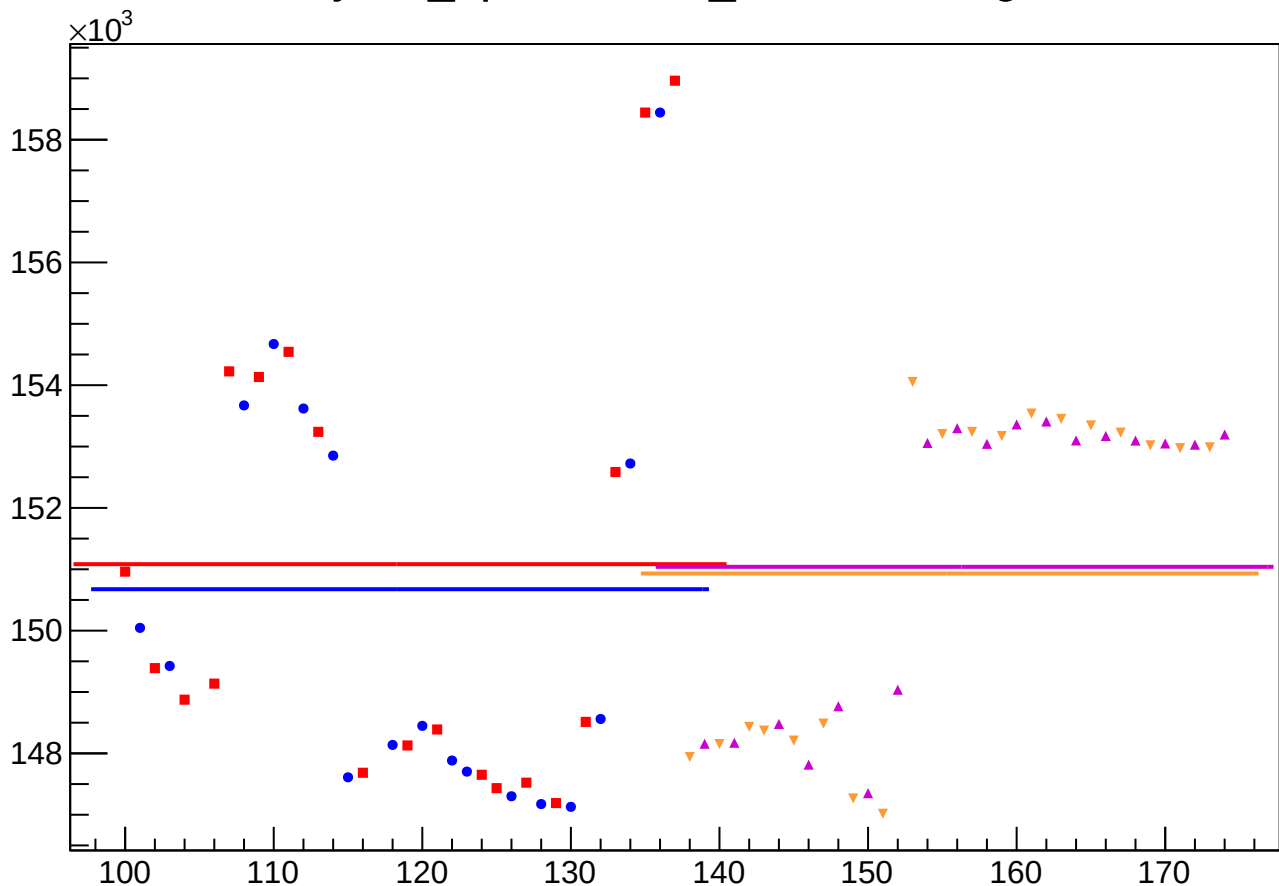
Left In: 0.820+/-0.000 χ^2/NDF : 402566.7/17

+ sign 0.823+/-0.000 χ^2/NDF : 3097982.8/35

All: 0.828+/-0.000 χ^2/NDF : 6343544.7/72

- sign 0.833+/-0.000 χ^2/NDF : 3243050.2/36

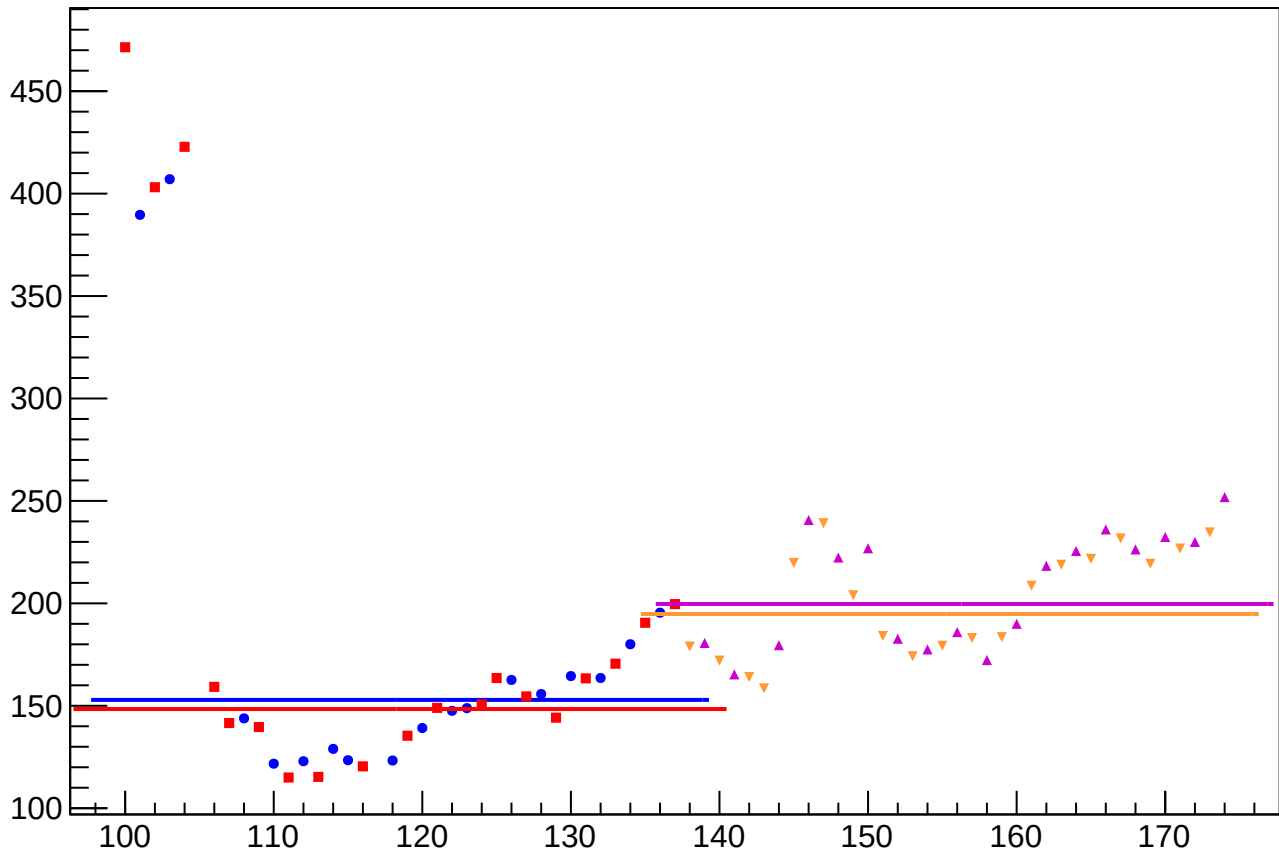
yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 ± 0.063 $\chi^2/\text{NDF}: 3309974859.4/16$
 Left Out: 150931.293 ± 0.052 $\chi^2/\text{NDF}: 2667183847.2/18$
 Right Out: 151083.268 ± 0.060 $\chi^2/\text{NDF}: 3300830370.5/18$
 Left In: 151040.042 ± 0.054 $\chi^2/\text{NDF}: 2010624045.6/17$

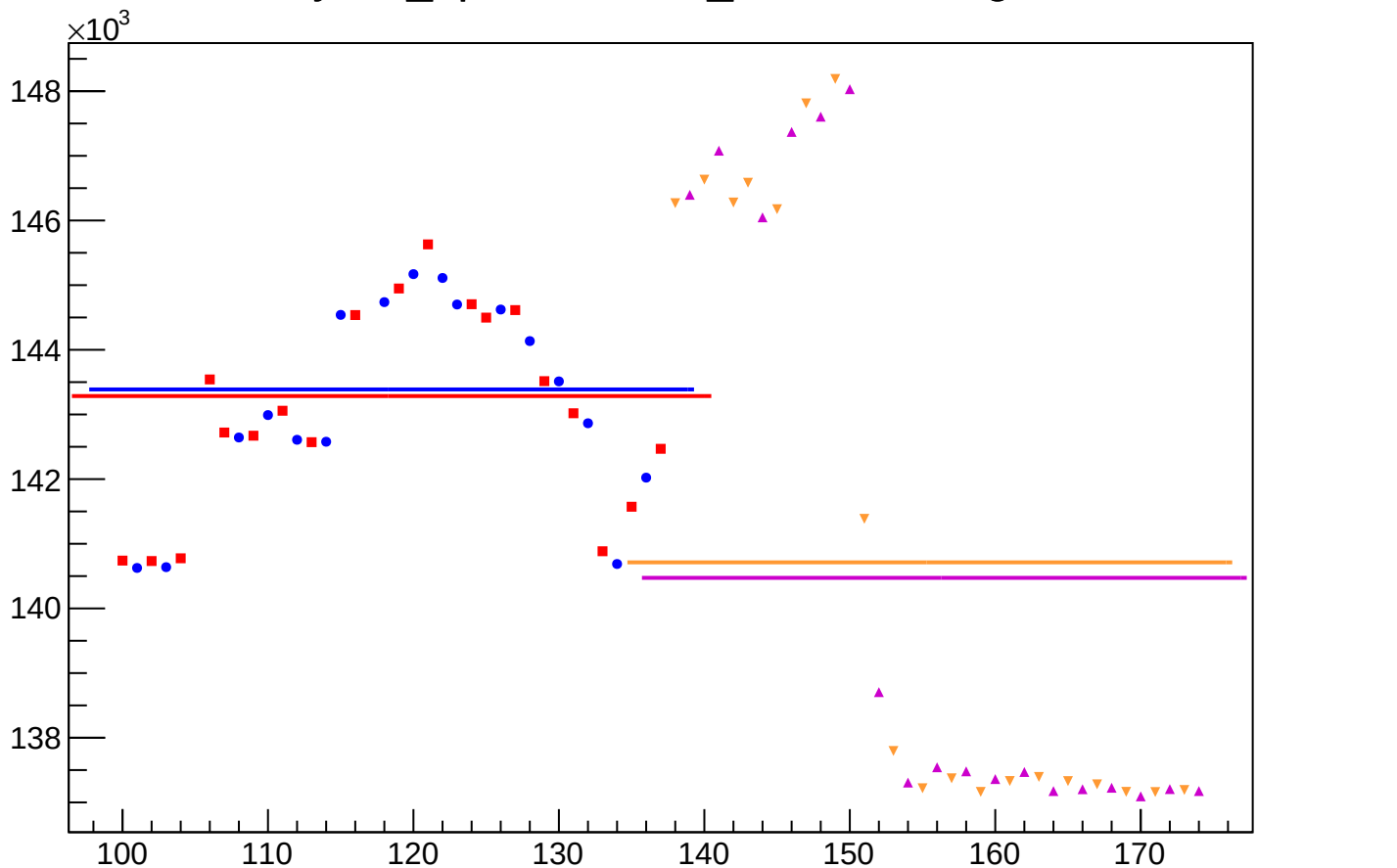
+ sign 150826.438 ± 0.040 $\chi^2/\text{NDF}: 5986946940.8$
 All: 150943.331 ± 0.028 $\chi^2/\text{NDF}: 113154930$
 - sign 151059.617 ± 0.040 $\chi^2/\text{NDF}: 5311741347.0$

yield_bpm0i01WS_rms vs Slug



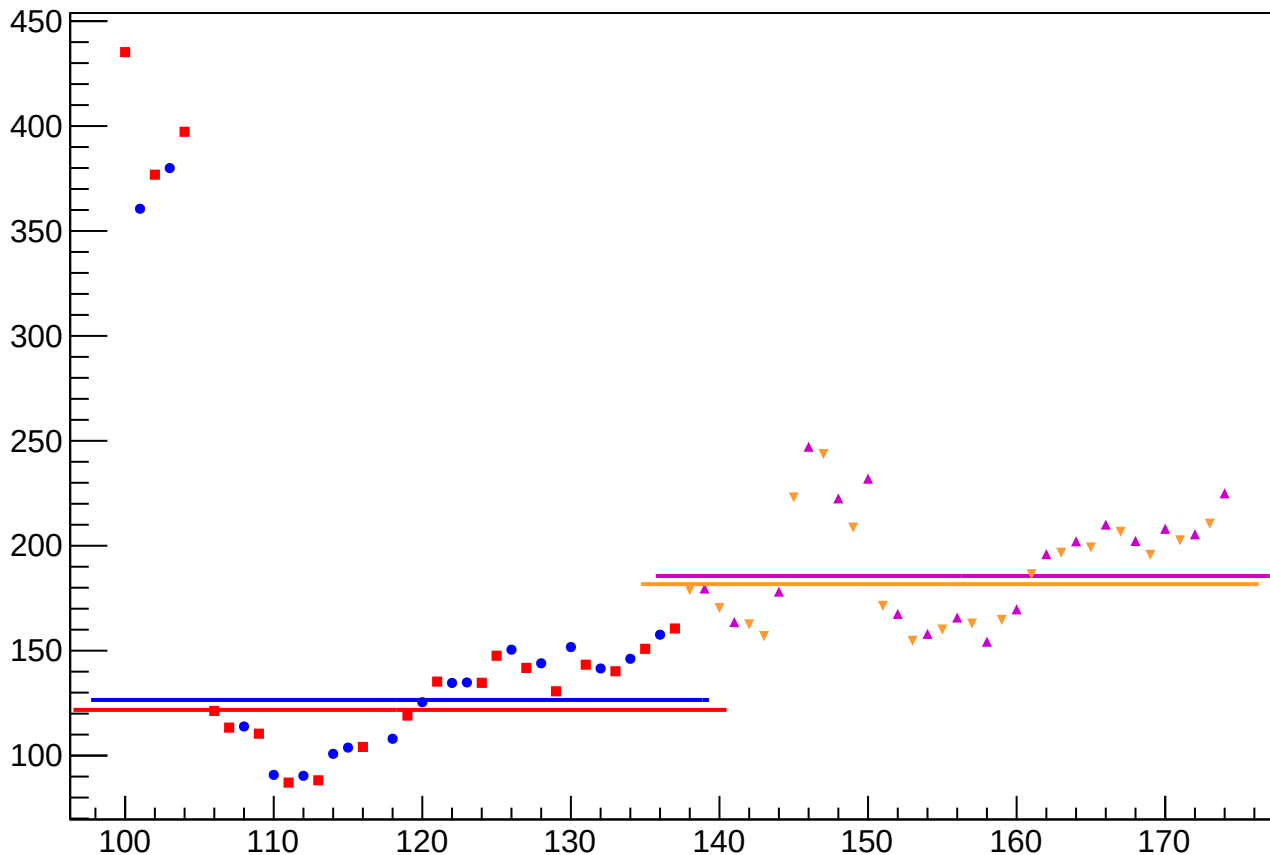
Right In: 152.883 $\pm$ 0.045	χ^2 /NDF: 1154088.7/16	+ sign 177.652 $\pm$ 0.028	χ^2 /NDF: 2117233.1/35
Left Out: 194.805 $\pm$ 0.037	χ^2 /NDF: 439262.9/18	All: 177.062 $\pm$ 0.020	χ^2 /NDF: 4600307.3/72
Right Out: 148.418 $\pm$ 0.042	χ^2 /NDF: 1191577.6/18	- sign 176.476 $\pm$ 0.028	χ^2 /NDF: 2482218.7/36
Left In: 199.698 $\pm$ 0.038	χ^2 /NDF: 483038.6/17		

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 $\pm$ 0.053 χ^2/NDF : 521299875.7/16
 Left Out: 140712.601 $\pm$ 0.049 χ^2/NDF : 8083637012.2/18
 Right Out: 143284.757 $\pm$ 0.049 χ^2/NDF : 608634820.1/18
 Left In: 140472.902 $\pm$ 0.051 χ^2/NDF : 7719389586.9/17
 All: 141934.441 $\pm$ 0.025 χ^2/NDF : 199083343
 + sign 141949.716 $\pm$ 0.036 χ^2/NDF : 9987867113.2
 - sign 141919.705 $\pm$ 0.035 χ^2/NDF : 9920110715.6

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 181.704 $\pm$ 0.035 χ^2 /NDF:444081.9/18

Right Out: 121.772 $\pm$ 0.035 χ^2 /NDF: 1463829.4/18

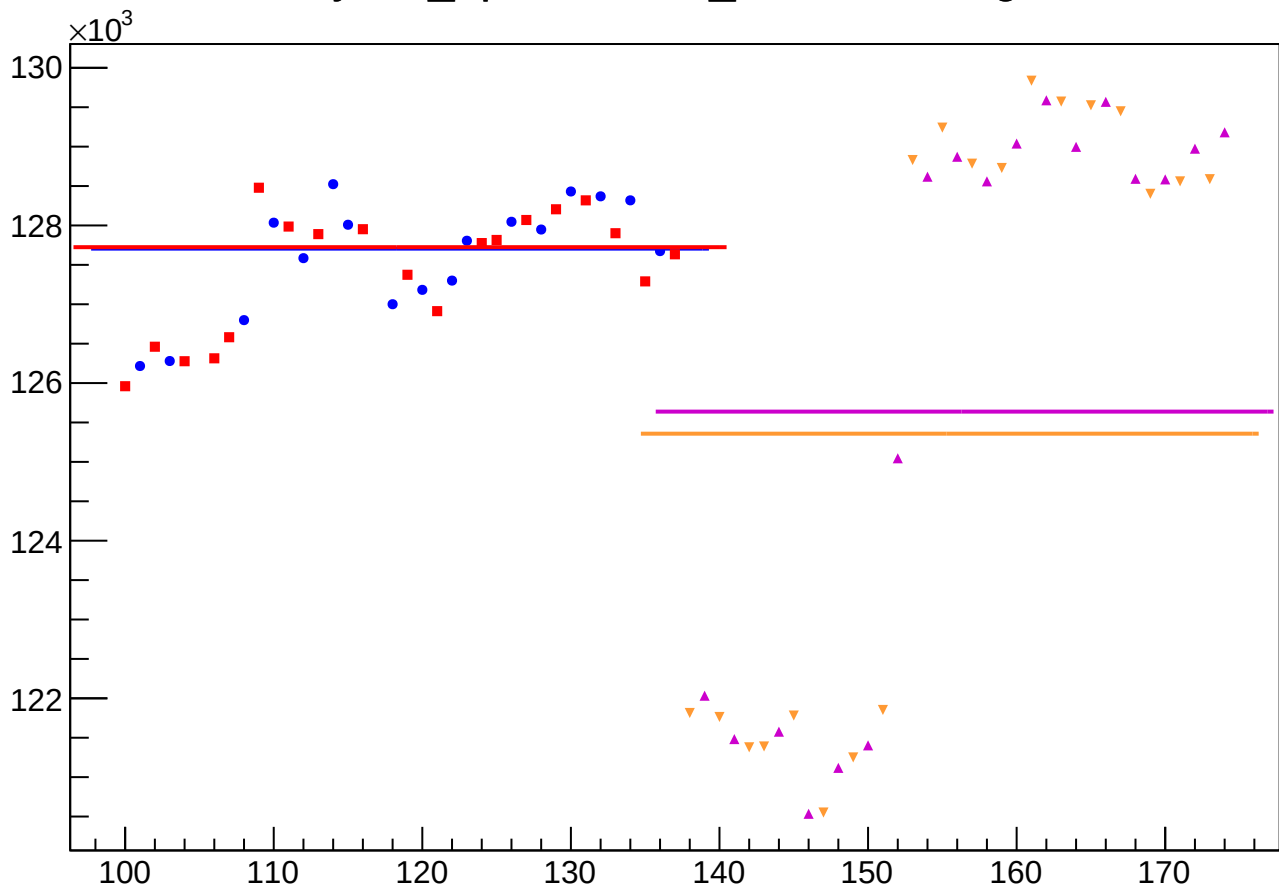
Left In: 185.592 $\pm$ 0.036 χ^2 /NDF:531145.2/17

+ sign 156.175 $\pm$ 0.025 χ^2 /NDF: 3063539.4/35

All: 154.434 $\pm$ 0.018 χ^2 /NDF: 6708095.1/72

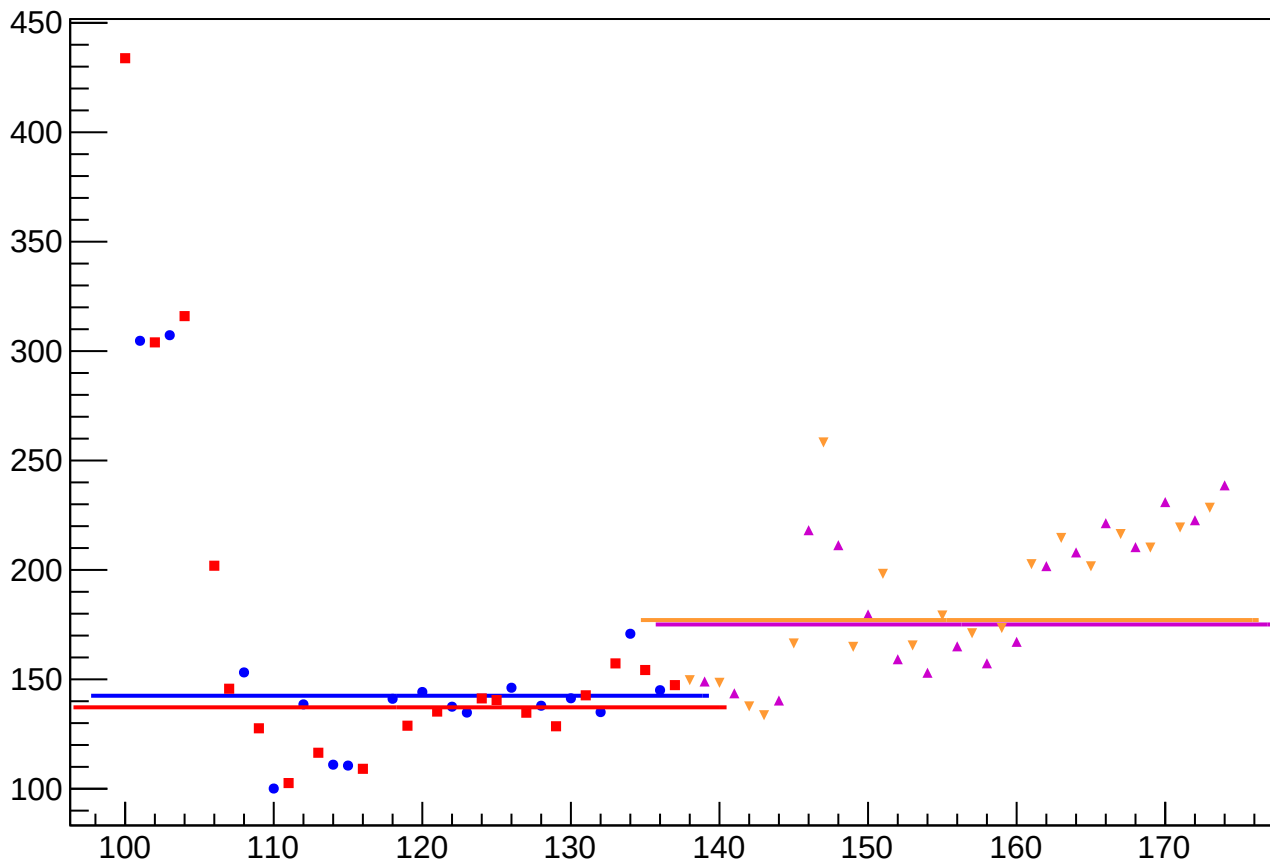
- sign 152.755 $\pm$ 0.025 χ^2 /NDF: 3635292.6/36

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058	χ^2 /NDF: 97860521.1/16	+ sign 126318.256 $\pm$ 0.037	χ^2 /NDF: 7122281573.4
Left Out: 125357.889 $\pm$ 0.048	χ^2 /NDF: 6057521360.8/18	All: 126438.398 $\pm$ 0.026	χ^2 /NDF: 135531287
Right Out: 127724.256 $\pm$ 0.055	χ^2 /NDF: 112614317.2/18	- sign 126551.916 $\pm$ 0.036	χ^2 /NDF: 6410483580.2/17
Left In: 125637.870 $\pm$ 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: 177.091 $\pm$ 0.034 χ^2 /NDF: 813040.5/18

Right Out: 137.211 $\pm$ 0.039 χ^2 /NDF: 957317.1/18

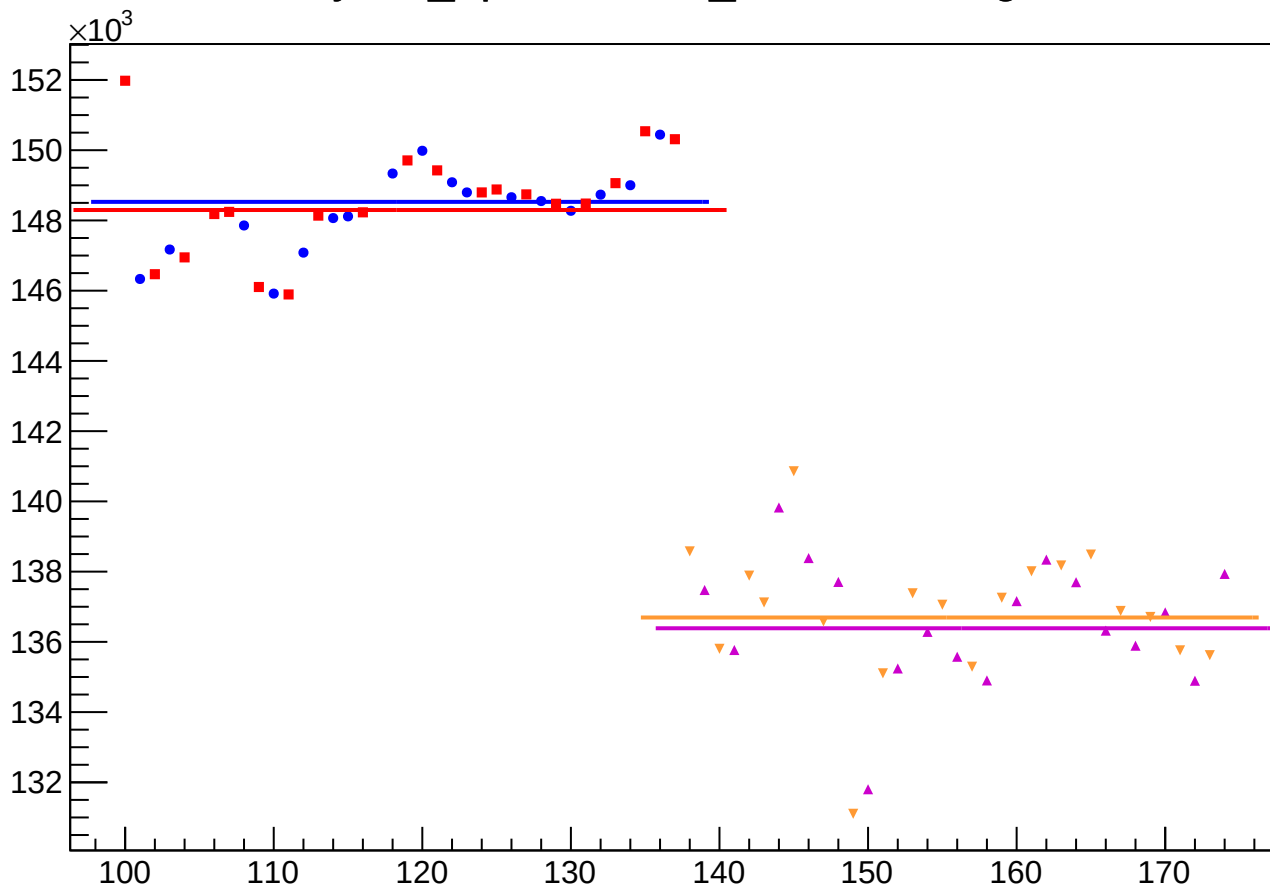
Left In: 175.076 $\pm$ 0.034 χ^2 /NDF: 821382.1/17

+ sign 162.945 $\pm$ 0.026 χ^2 /NDF: 2068852.4/35

All: 160.653 $\pm$ 0.018 χ^2 /NDF: 4404279.4/72

- sign 158.487 $\pm$ 0.026 χ^2 /NDF: 2320603.8/36

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 $\pm$ 0.082 χ^2/NDF : 209986594.2/16

Left Out: 136693.935 $\pm$ 0.071 χ^2/NDF : 846654040.7/18

Right Out: 148297.126 $\pm$ 0.076 χ^2/NDF : 293244556.5/18

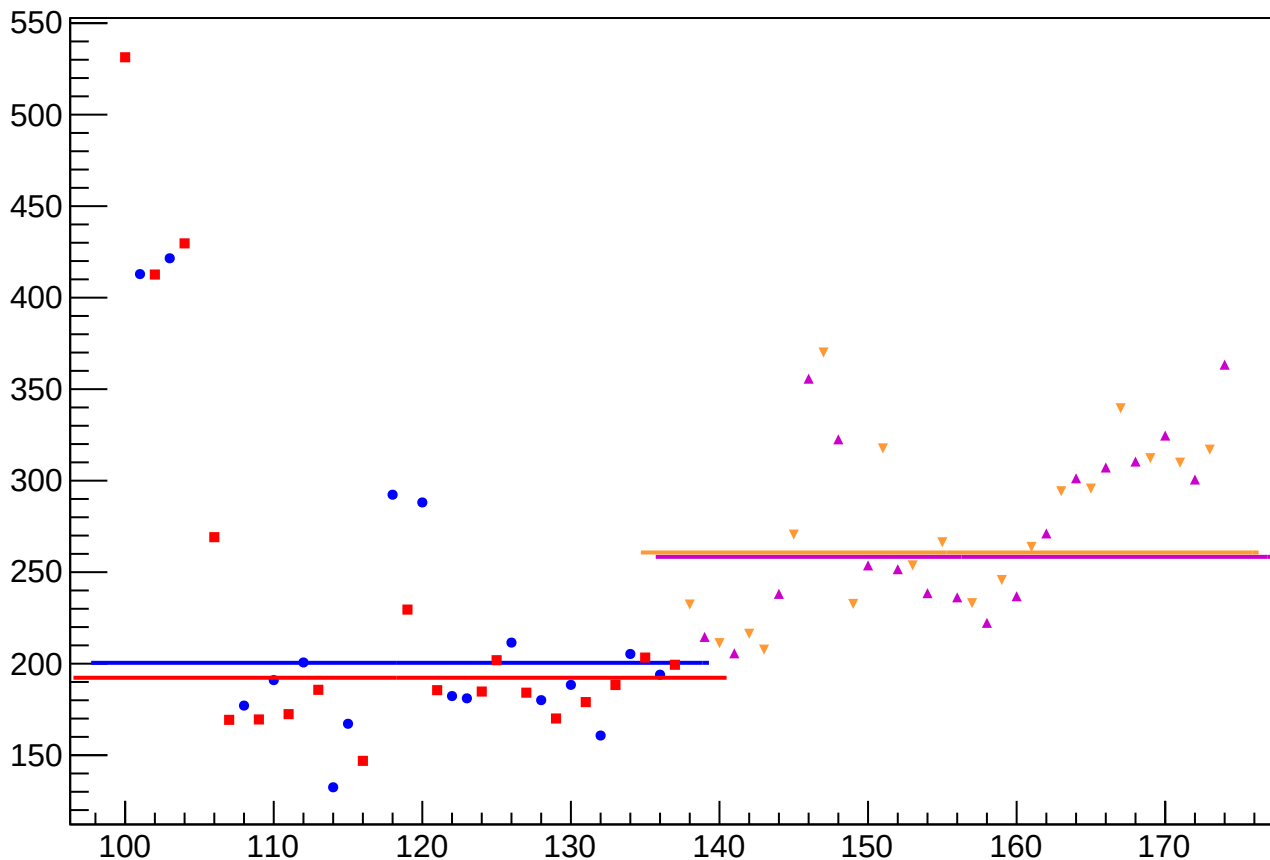
Left In: 136387.243 $\pm$ 0.071 χ^2/NDF : 671803818.3/17

+ sign 141736.213 $\pm$ 0.054 χ^2/NDF : 12991764714.6

All: 141812.770 $\pm$ 0.037 χ^2/NDF : 270411745.6

- sign 141884.666 $\pm$ 0.052 χ^2/NDF : 14045449477.6

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 260.758 $\pm$ 0.050 χ^2 /NDF: 712846.4/18

Right Out: 192.304 $\pm$ 0.054 χ^2 /NDF: 844504.1/18

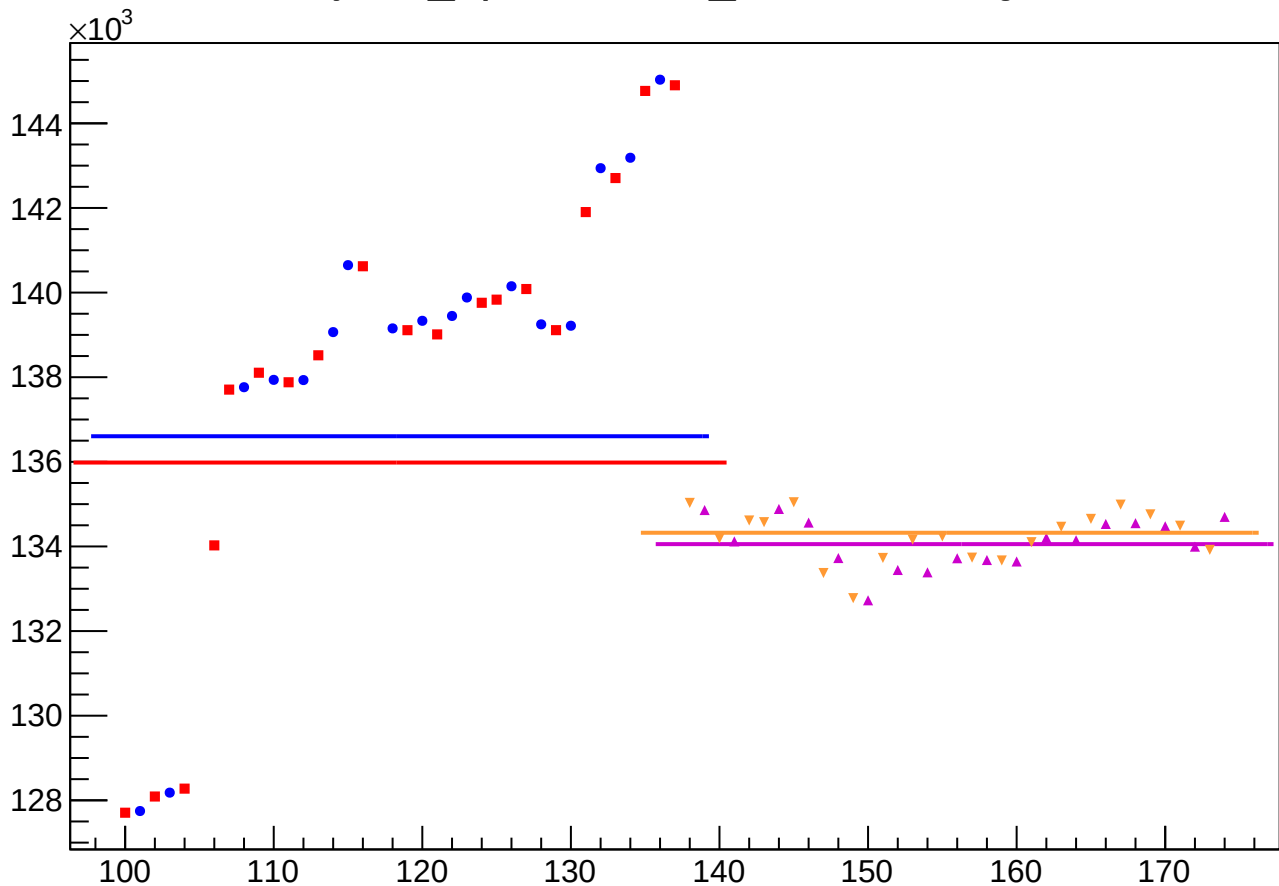
Left In: 258.376 $\pm$ 0.050 χ^2 /NDF: 755837.0/17

+ sign 235.073 $\pm$ 0.038 χ^2 /NDF: 2268781.7/35

All: 231.363 $\pm$ 0.026 χ^2 /NDF: 4692874.0/72

- sign 227.878 $\pm$ 0.037 χ^2 /NDF: 2405486.9/36

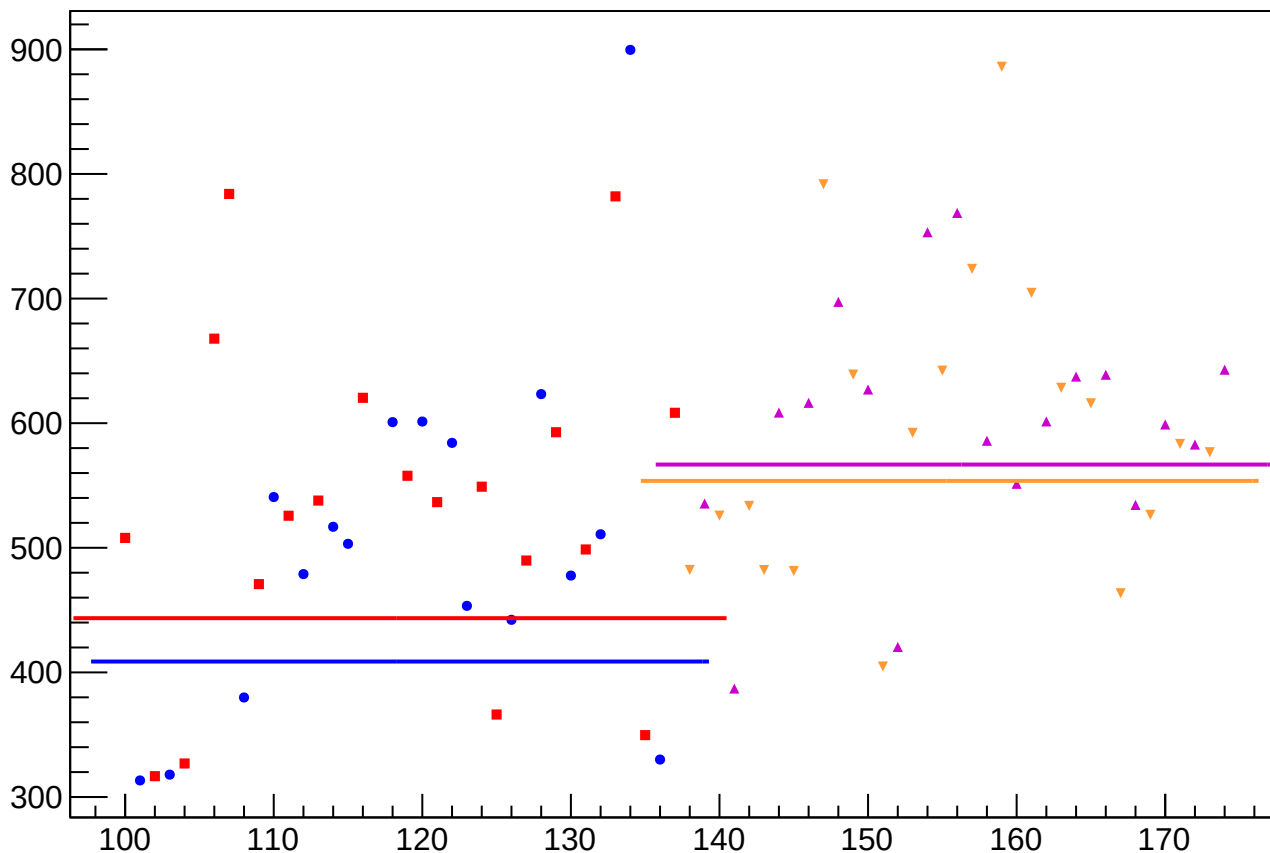
yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 ± 0.171 $\chi^2/\text{NDF}: 1494354557.3/16$
 Left Out: 134323.806 ± 0.158 $\chi^2/\text{NDF}: 13691563.4/18$
 Right Out: 135982.842 ± 0.183 $\chi^2/\text{NDF}: 1082431147.9/18$
 Left In: 134054.898 ± 0.165 $\chi^2/\text{NDF}: 11545804.0/17$

+ sign 135369.861 ± 0.116 $\chi^2/\text{NDF}: 1603867227.7$
 All: 135157.657 ± 0.084 $\chi^2/\text{NDF}: 276621522$
 - sign 134921.501 ± 0.122 $\chi^2/\text{NDF}: 1155289678.1$

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 $\pm$ 0.121 χ^2 /NDF: 823262.8/16

Left Out: 553.698 $\pm$ 0.112 χ^2 /NDF: 889208.4/18

Right Out: 443.521 $\pm$ 0.129 χ^2 /NDF: 917492.4/18

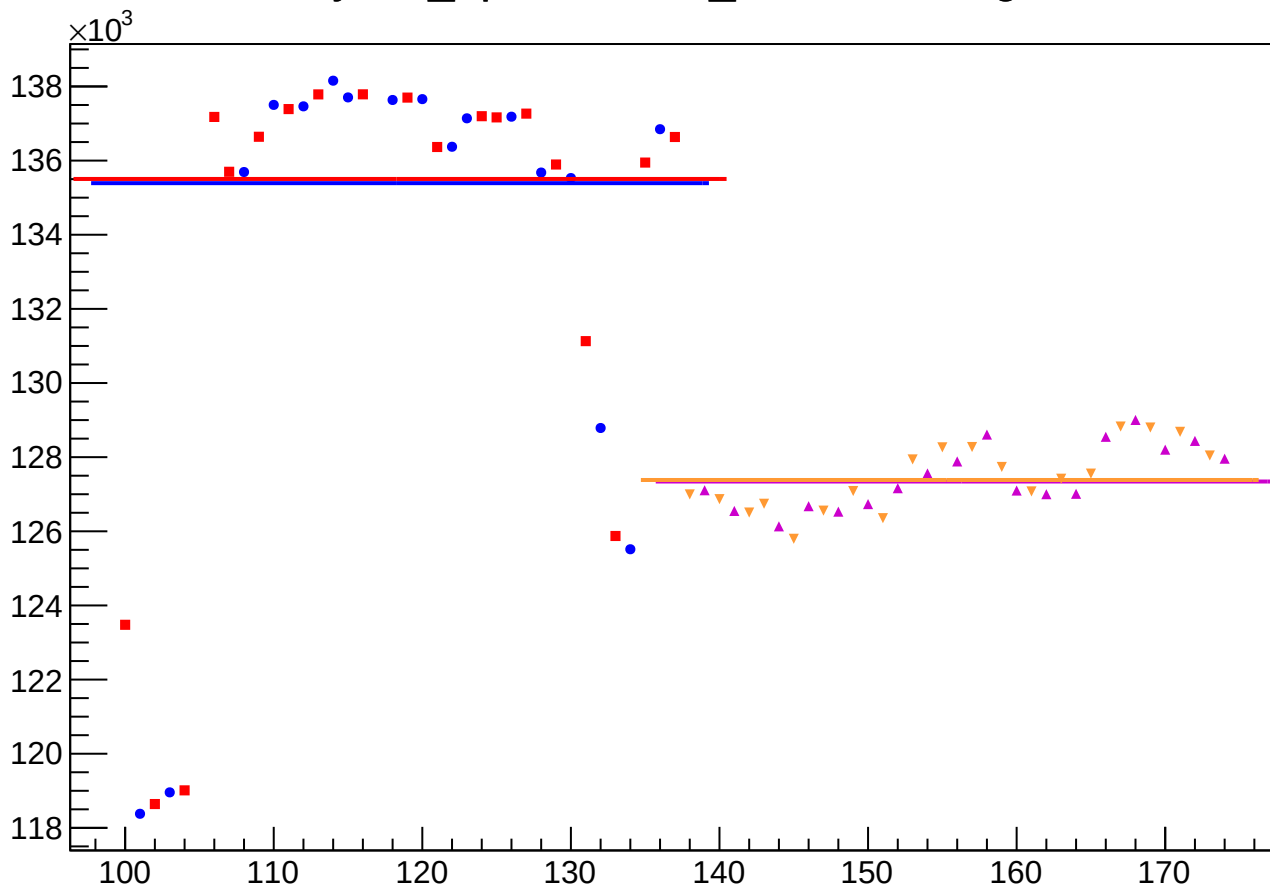
Left In: 566.805 $\pm$ 0.117 χ^2 /NDF: 768715.1/17

+ sign 487.211 $\pm$ 0.082 χ^2 /NDF: 2486670.9/35

All: 498.654 $\pm$ 0.060 χ^2 /NDF: 4715349.6/72

- sign 511.389 $\pm$ 0.087 χ^2 /NDF: 2187627.2/36

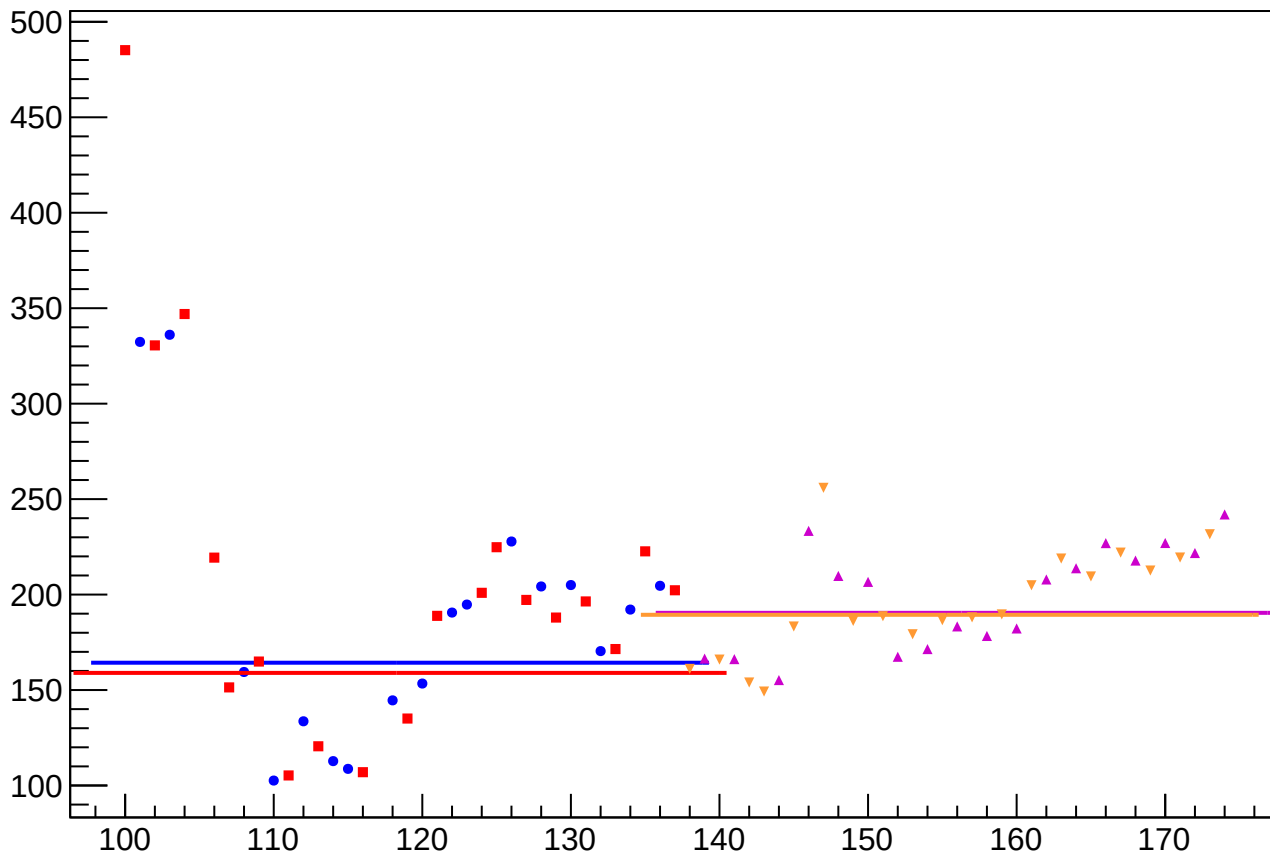
yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16
 Left Out: 127384.272 $\pm$ 0.051 χ^2 /NDF: 274719495.0/18
 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 130264.487 $\pm$ 0.041 χ^2 /NDF: 13664419461.4
 All: 130413.806 $\pm$ 0.029 χ^2 /NDF: 284059674
 - 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: 189.410 ± 0.036 χ^2/NDF : 502552.9/18

Right Out: 158.977 ± 0.046 χ^2/NDF : 1384059.2/18

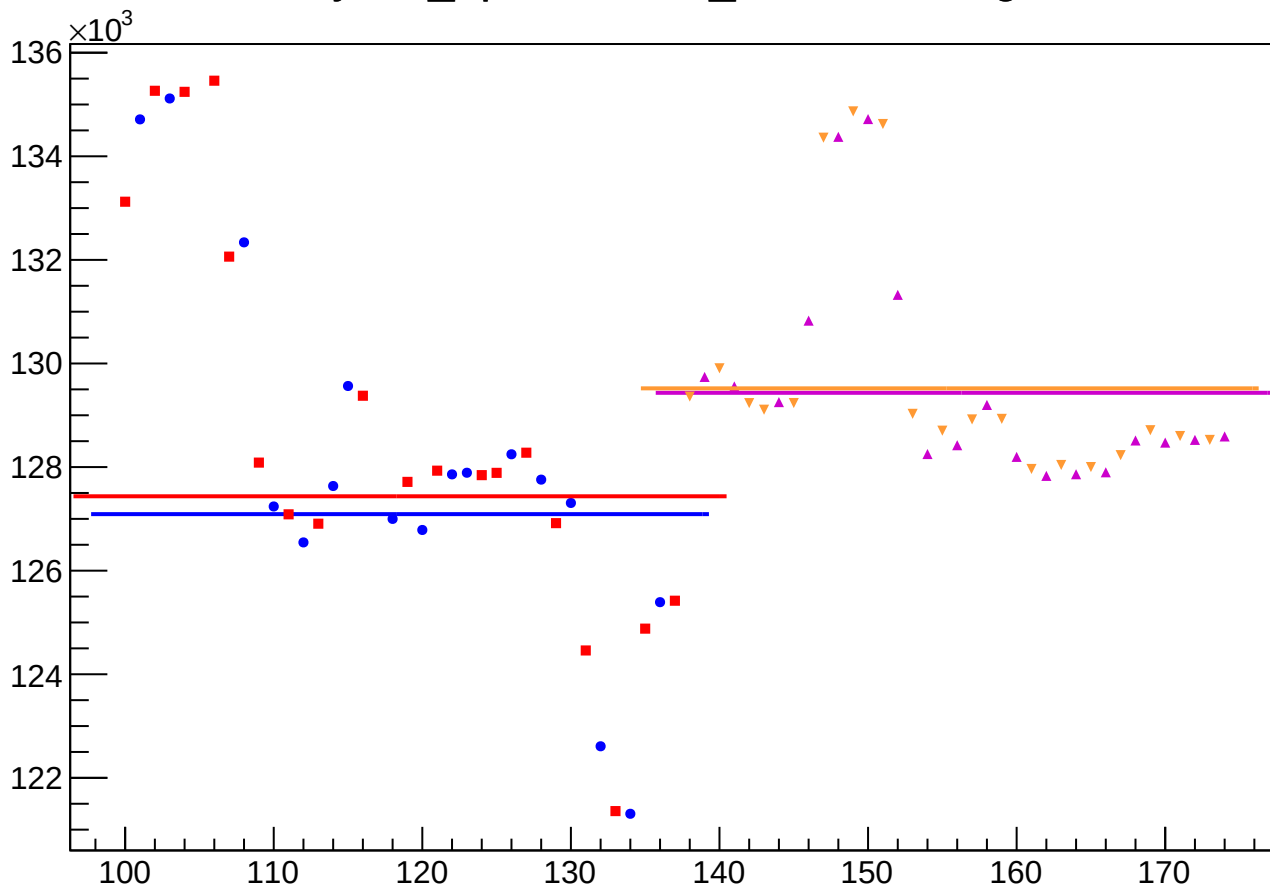
Left In: 190.435 ± 0.037 χ^2/NDF : 505628.6/17

+ sign 180.382 ± 0.029 χ^2/NDF : 1906157.2/35

All: 179.195 ± 0.020 χ^2/NDF : 4088400.9/72

- sign 178.039 ± 0.029 χ^2/NDF : 2178925.9/36

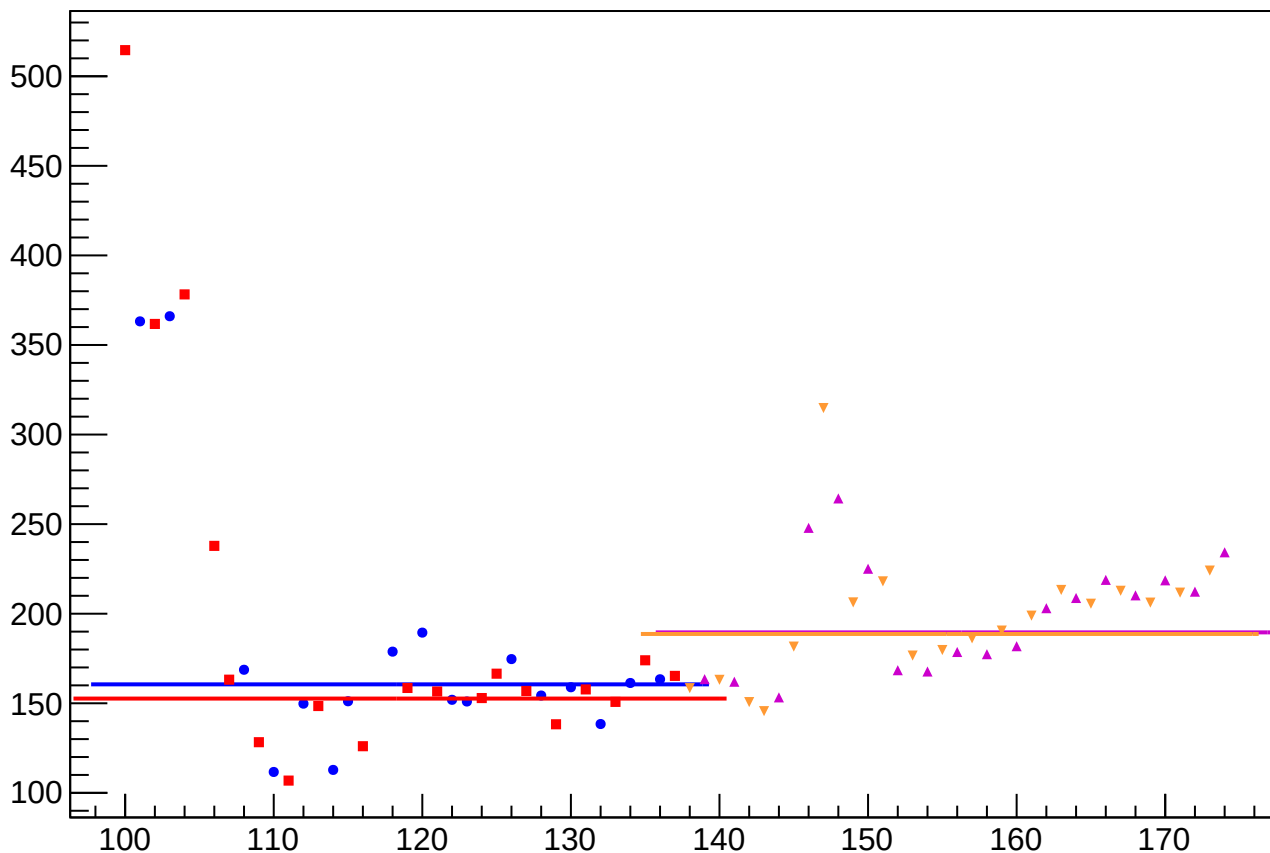
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 χ^2/NDF : 1717208780.6/16
 Left Out: 129519.931 ± 0.051 χ^2/NDF : 1367997633.8/18
 Right Out: 127436.101 ± 0.062 χ^2/NDF : 2079075713.9/18
 Left In: 129433.932 ± 0.052 χ^2/NDF : 1134434957.3/17

+ sign 128611.998 ± 0.041 χ^2/NDF : 3925127578.3/18
 All: 128608.104 ± 0.028 χ^2/NDF : 775485633.8/18
 - sign 128604.377 ± 0.040 χ^2/NDF : 3829710748.9/18

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 $\pm$ 0.047 χ^2 /NDF: 942747.0/16

Left Out: 188.692 $\pm$ 0.036 χ^2 /NDF: 674518.9/18

Right Out: 152.629 $\pm$ 0.044 χ^2 /NDF: 1086504.4/18

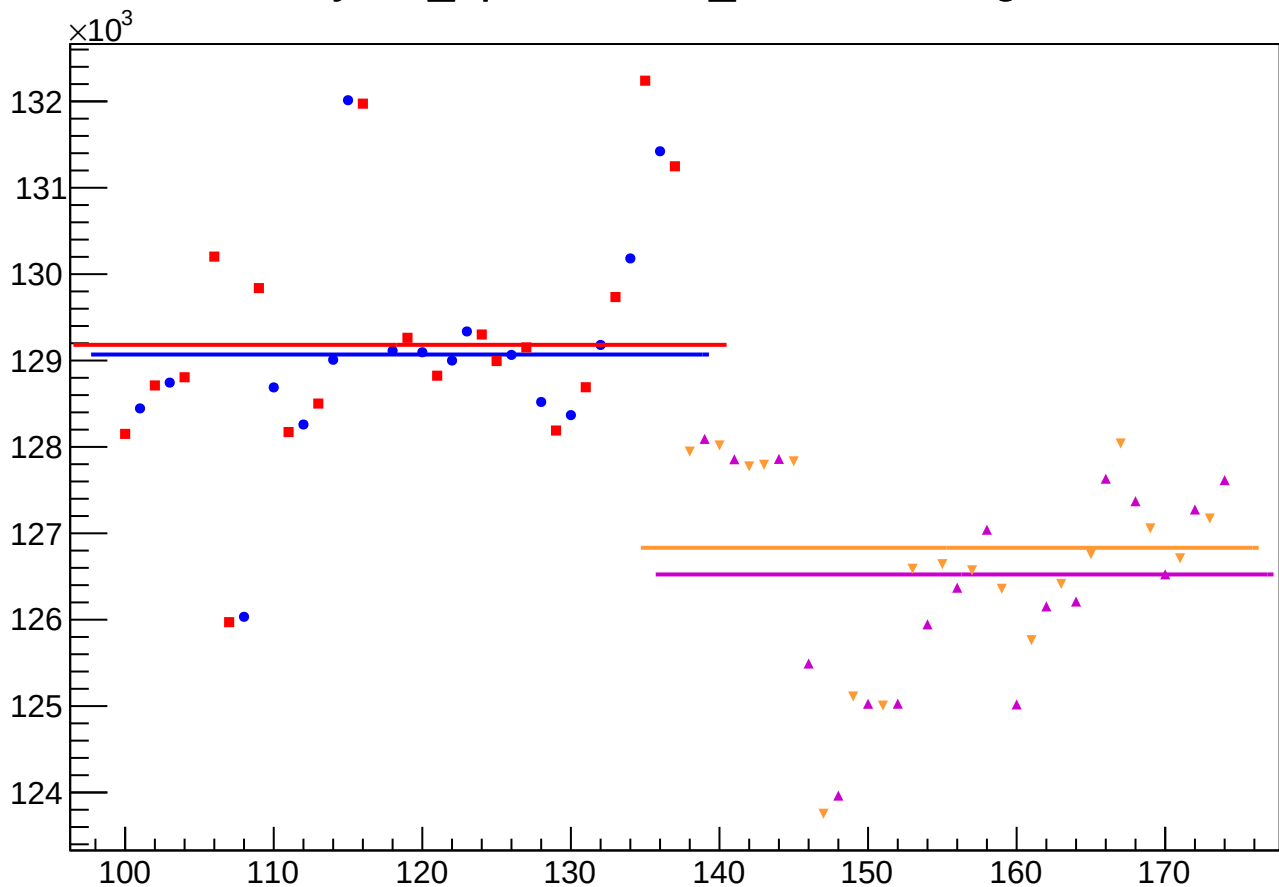
Left In: 189.577 $\pm$ 0.037 χ^2 /NDF: 649540.1/17

+ sign 178.176 $\pm$ 0.029 χ^2 /NDF: 1842639.7/35

All: 176.162 $\pm$ 0.020 χ^2 /NDF: 4009866.5/72

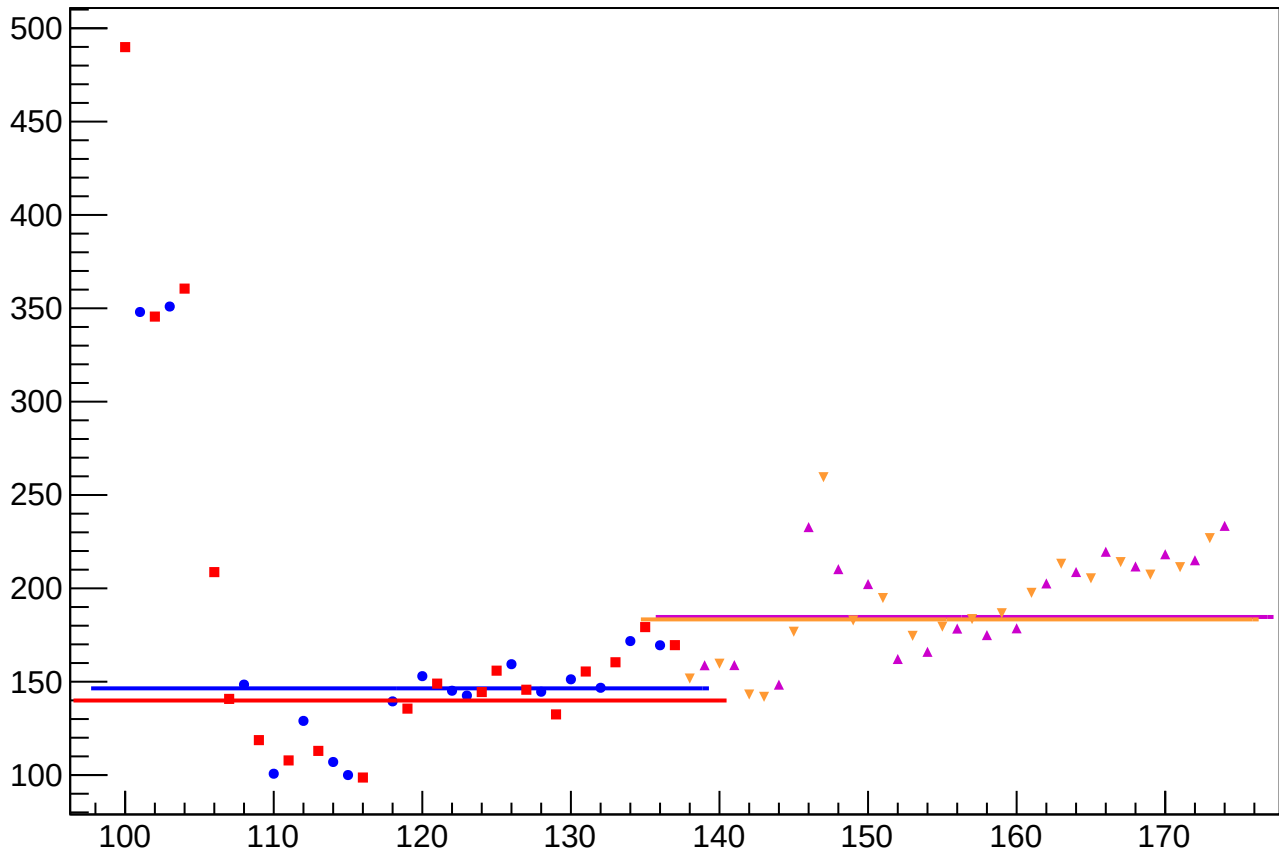
- sign 174.235 $\pm$ 0.028 χ^2 /NDF: 2157570.2/36

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060	$\chi^2/\text{NDF}: 476692316.5/16$	+ sign 127738.324 ± 0.038	$\chi^2/\text{NDF}: 1763549315.0$
Left Out: 126832.365 ± 0.050	$\chi^2/\text{NDF}: 464133085.4/18$	All: 127724.380 ± 0.027	$\chi^2/\text{NDF}: 420104618$
Right Out: 129181.887 ± 0.056	$\chi^2/\text{NDF}: 625597399.6/18$	- sign 127711.013 ± 0.037	$\chi^2/\text{NDF}: 2437237108.6/17$
Left In: 126523.680 ± 0.050	$\chi^2/\text{NDF}: 568926407.6/17$		

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 ± 0.043 $\chi^2/\text{NDF}: 1064791.0/16$

Left Out: 183.366 ± 0.035 $\chi^2/\text{NDF}: 604312.4/18$

+ sign 168.413 ± 0.027 $\chi^2/\text{NDF}: 2117406.4/35$

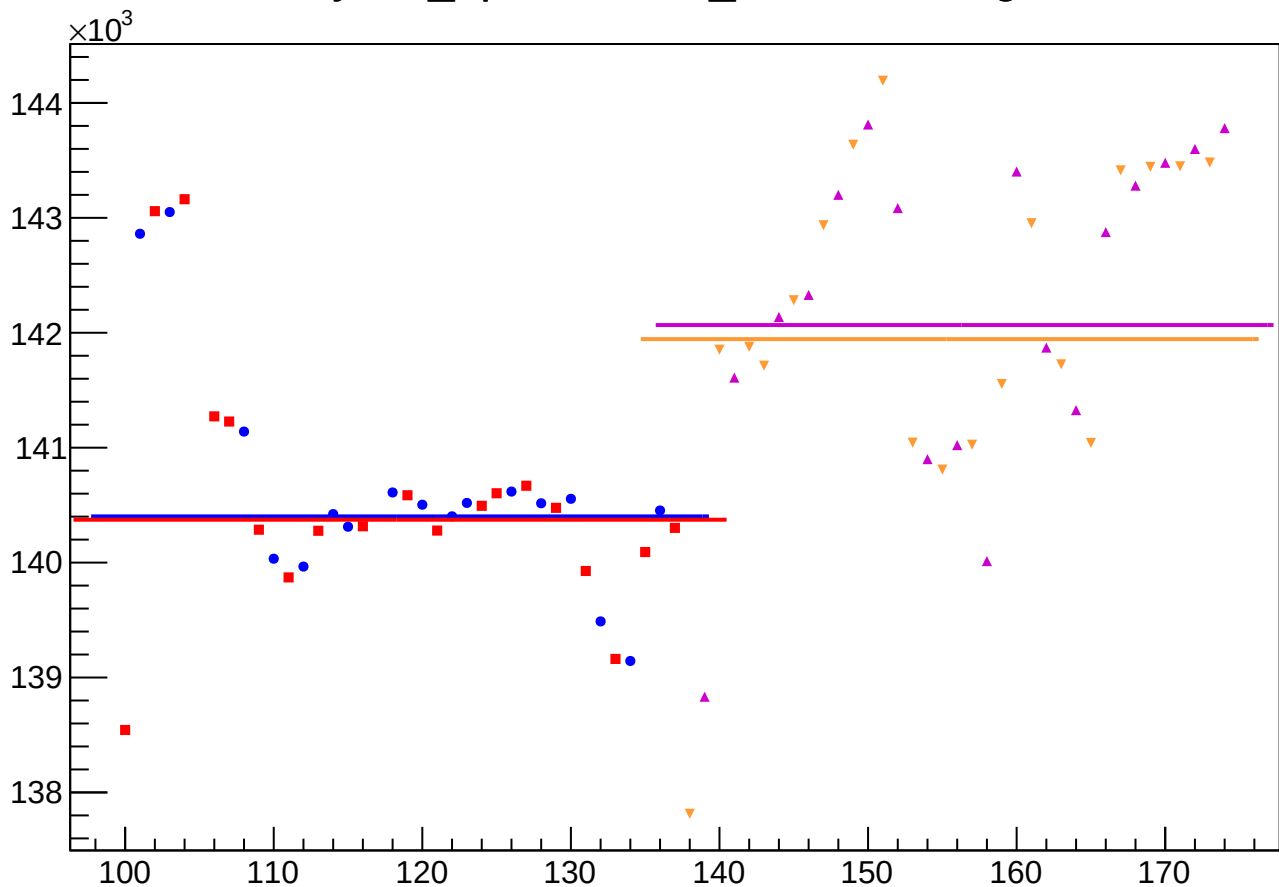
Right Out: 139.929 ± 0.040 $\chi^2/\text{NDF}: 1203570.9/18$

All: 166.510 ± 0.019 $\chi^2/\text{NDF}: 4590785.4/72$

Left In: 184.669 ± 0.036 $\chi^2/\text{NDF}: 556055.5/17$

- sign 164.685 ± 0.027 $\chi^2/\text{NDF}: 2463701.7/36$

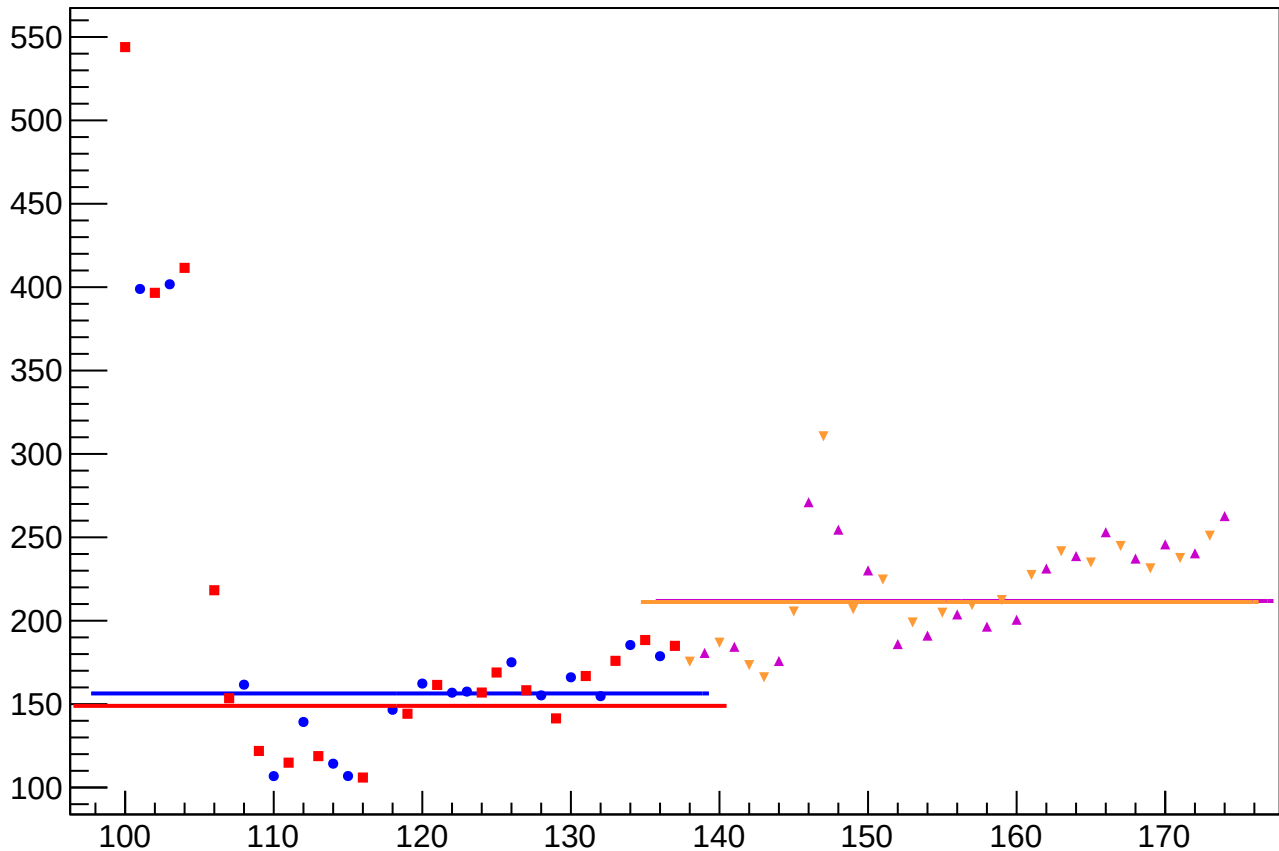
yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16
 Left Out: 141944.978 $\pm$ 0.057 χ^2 /NDF: 732827228.7/18
 Right Out: 140373.163 $\pm$ 0.060 χ^2 /NDF: 99854533.3/18
 Left In: 142067.199 $\pm$ 0.058 χ^2 /NDF: 604106041.2/17

+ sign 141264.044 $\pm$ 0.043 χ^2 /NDF: 1142127590.4
 All: 141256.435 $\pm$ 0.030 χ^2 /NDF: 226045442
 - sign 141249.232 $\pm$ 0.042 χ^2 /NDF: 1118265157.9

yield_bpm0l07WS_rms vs Slug



Right In: 156.394 $\pm$ 0.046 χ^2 /NDF: 1154804.2/16

Left Out: 211.225 $\pm$ 0.040 χ^2 /NDF: 532916.3/18

Right Out: 148.949 $\pm$ 0.042 χ^2 /NDF: 1307651.5/18

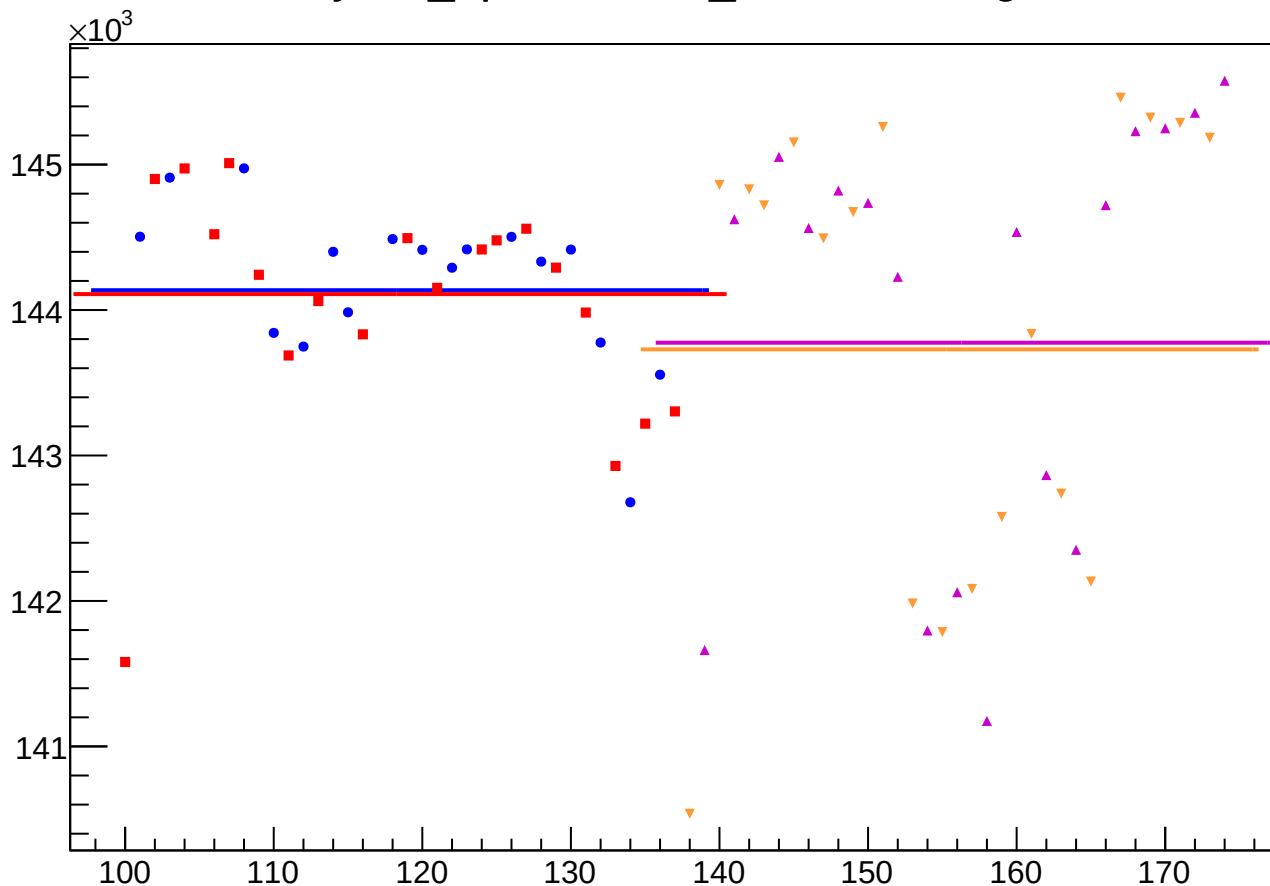
Left In: 211.837 $\pm$ 0.041 χ^2 /NDF: 522701.1/17

+ sign 187.027 $\pm$ 0.030 χ^2 /NDF: 2499039.4/35

All: 184.173 $\pm$ 0.021 χ^2 /NDF: 5488674.3/72

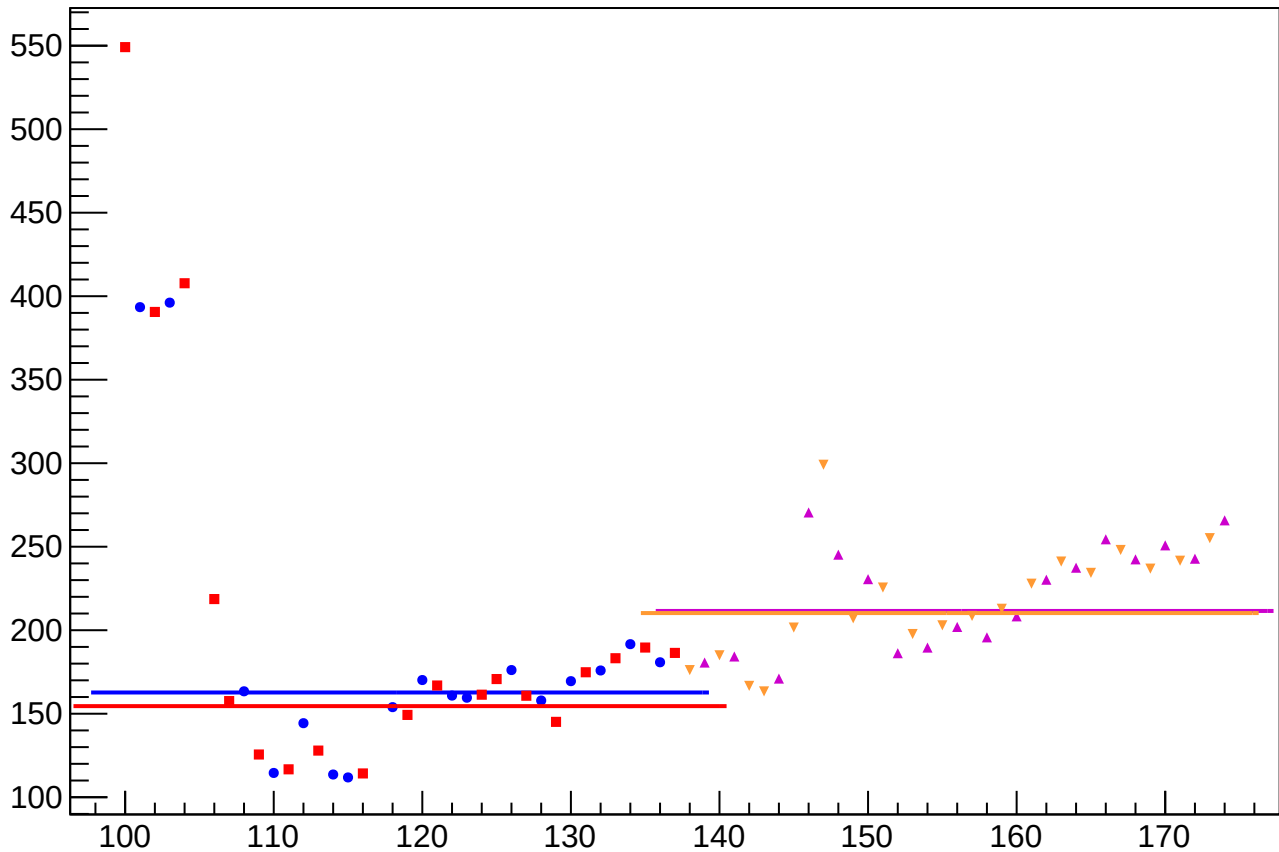
- sign 181.472 $\pm$ 0.029 χ^2 /NDF: 2972281.3/36

yield_bpm0l08WS_mean vs Slug



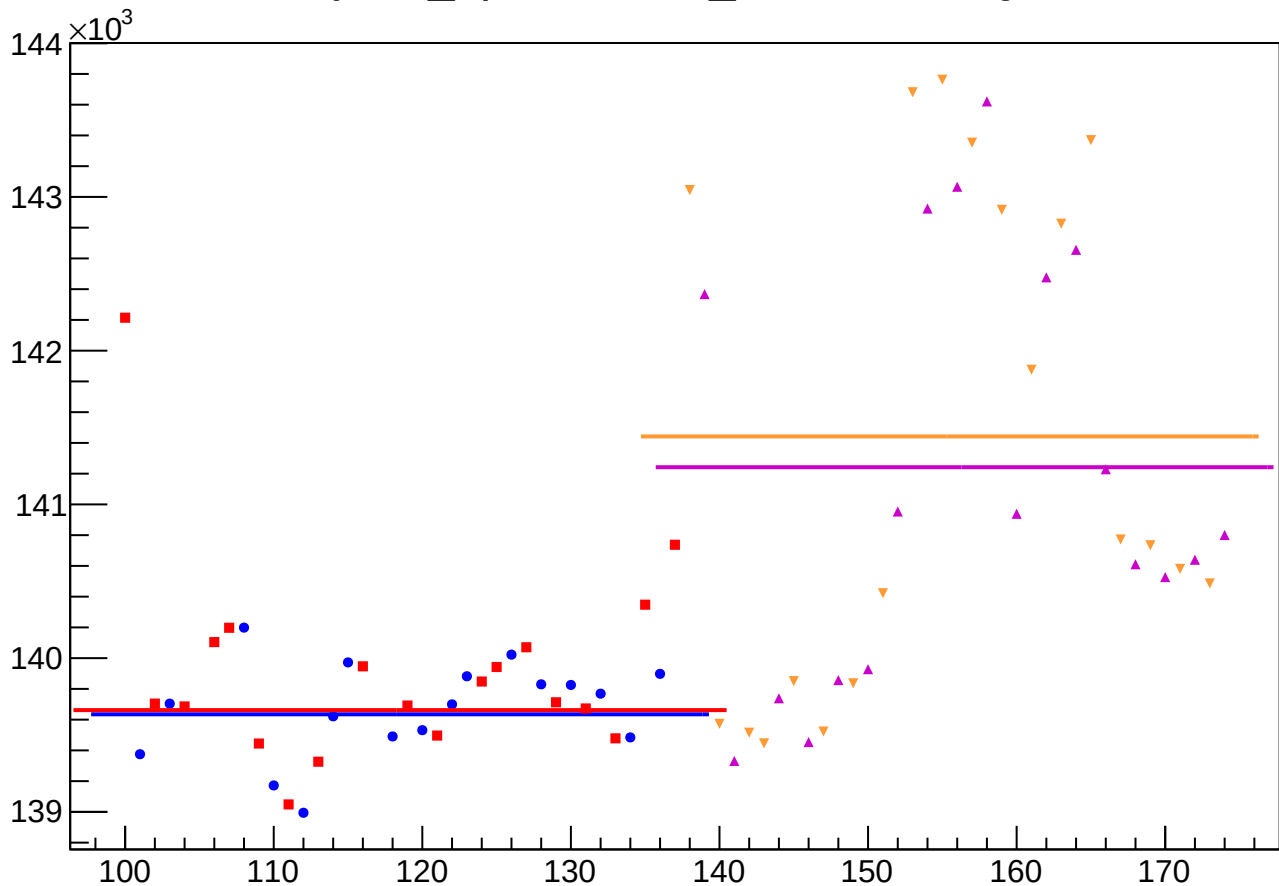
Right In: 144136.118 $\pm$ 0.067	χ^2/NDF : 47069480.3/16	+ sign 143900.743 $\pm$ 0.043	χ^2/NDF : 834481578.7/3
Left Out: 143729.533 $\pm$ 0.057	χ^2/NDF : 765945794.4/18	All: 143916.280 $\pm$ 0.030	χ^2/NDF : 15719753
Right Out: 144109.419 $\pm$ 0.062	χ^2/NDF : 65258627.2/18	- sign 143931.044 $\pm$ 0.042	χ^2/NDF : 737242975.8/3
Left In: 143775.352 $\pm$ 0.058	χ^2/NDF : 656416331.0/17		

yield_bpm0l08WS_rms vs Slug



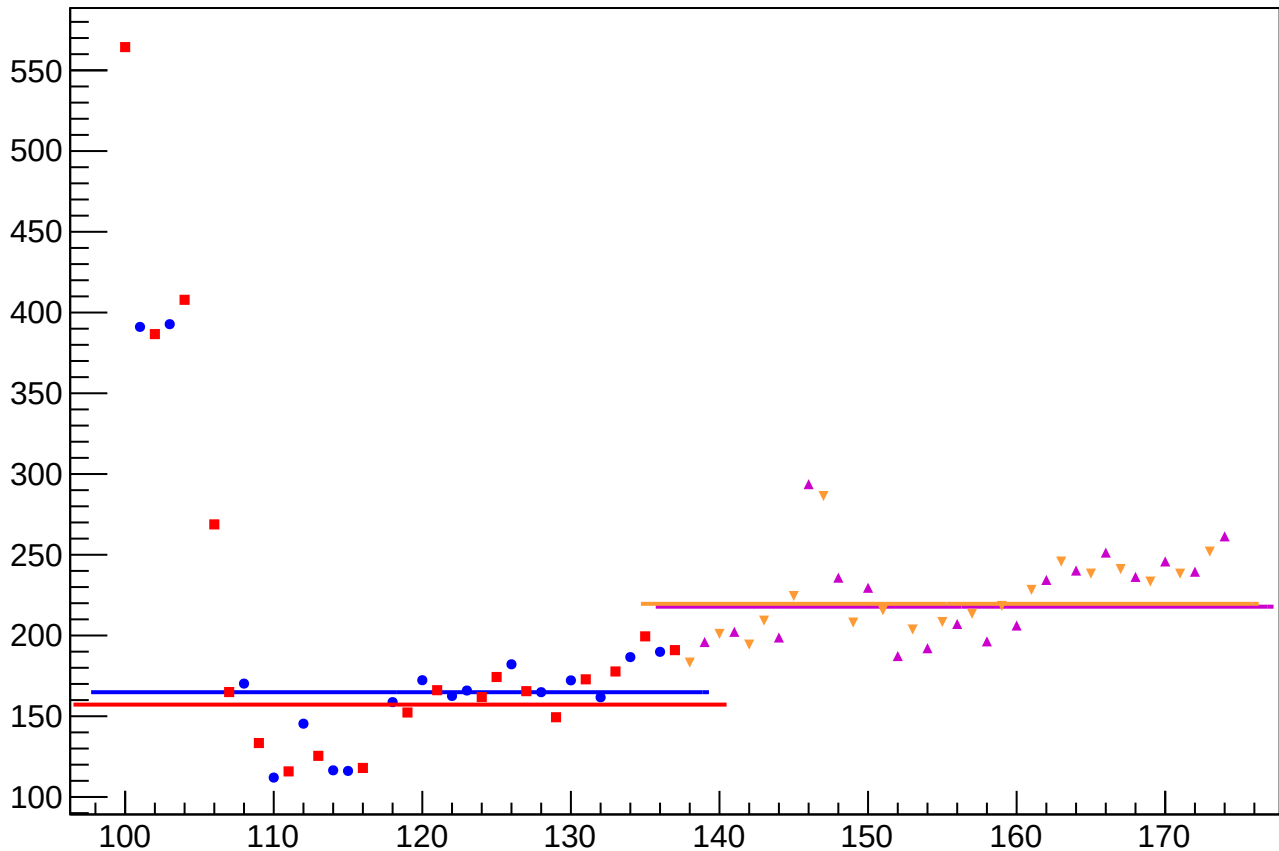
Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16
 Left Out: 210.271 $\pm$ 0.040 χ^2 /NDF:573808.6/18
 Right Out: 154.547 $\pm$ 0.044 χ^2 /NDF: 1217495.9/18
 Left In: 211.534 $\pm$ 0.041 χ^2 /NDF:556120.6/17
 + sign 190.245 $\pm$ 0.031 χ^2 /NDF: 2227668.8/35
 All: 187.543 $\pm$ 0.021 χ^2 /NDF: 4922492.9/72
 - sign 184.975 $\pm$ 0.030 χ^2 /NDF: 2679650.9/36

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 ± 0.068 $\chi^2/\text{NDF}: 24844912.0/16$
 Left Out: 141442.121 ± 0.059 $\chi^2/\text{NDF}: 741777556.0/18$ + sign 140661.507 ± 0.045 $\chi^2/\text{NDF}: 1170633359.8$
 Right Out: 139661.970 ± 0.063 $\chi^2/\text{NDF}: 38372985.0/18$ All: 140578.143 ± 0.031 $\chi^2/\text{NDF}: 208153727$
 Left In: 141242.040 ± 0.059 $\chi^2/\text{NDF}: 532614054.0/17$ - sign 140499.700 ± 0.043 $\chi^2/\text{NDF}: 904104957.2/3$

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 $\pm$ 0.048 χ^2 /NDF: 1066270.8/16

Left Out: 219.623 $\pm$ 0.042 χ^2 /NDF: 270616.9/18

Right Out: 157.207 $\pm$ 0.045 χ^2 /NDF: 1245030.9/18

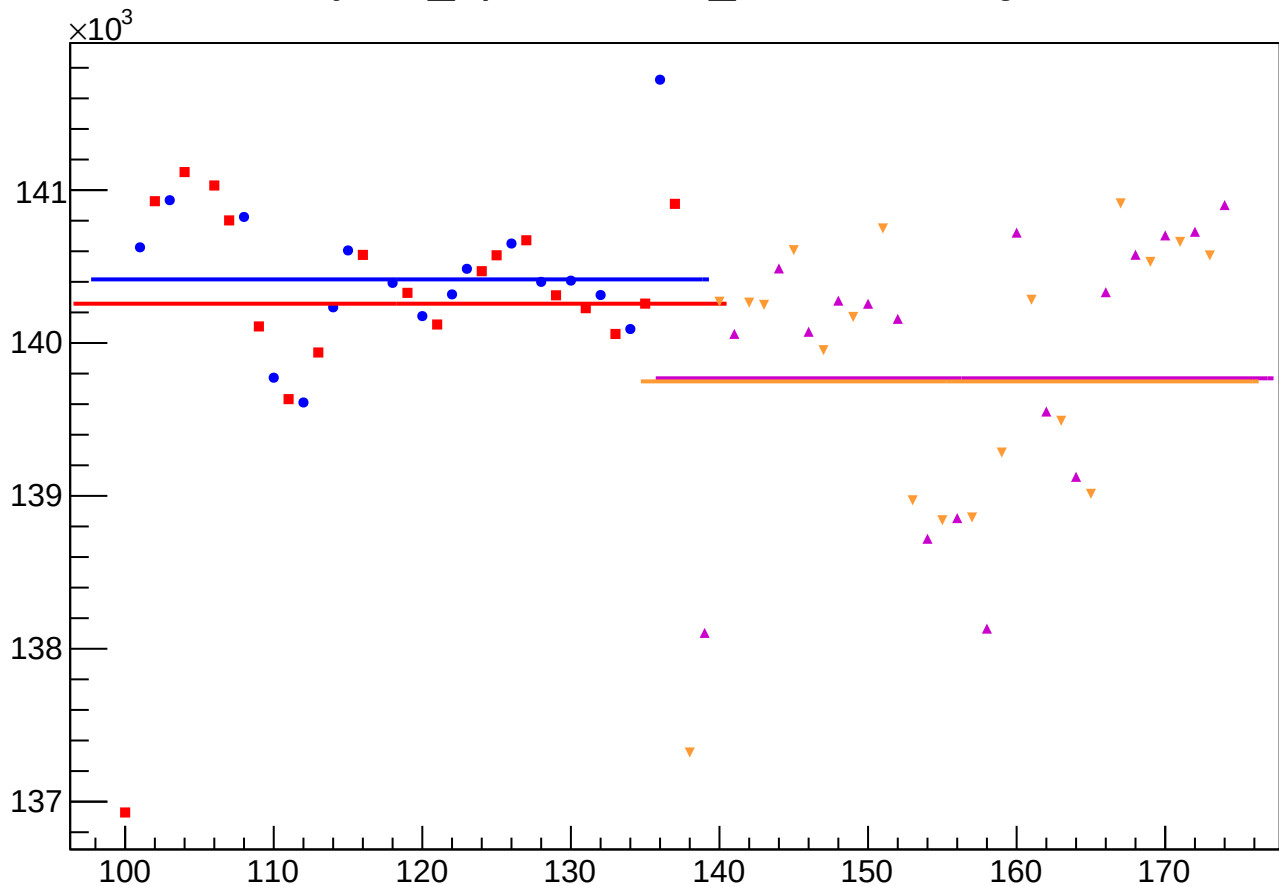
Left In: 217.845 $\pm$ 0.042 χ^2 /NDF: 380039.2/17

+ sign 195.982 $\pm$ 0.031 χ^2 /NDF: 2078014.0/35

All: 192.568 $\pm$ 0.022 χ^2 /NDF: 4707080.8/72

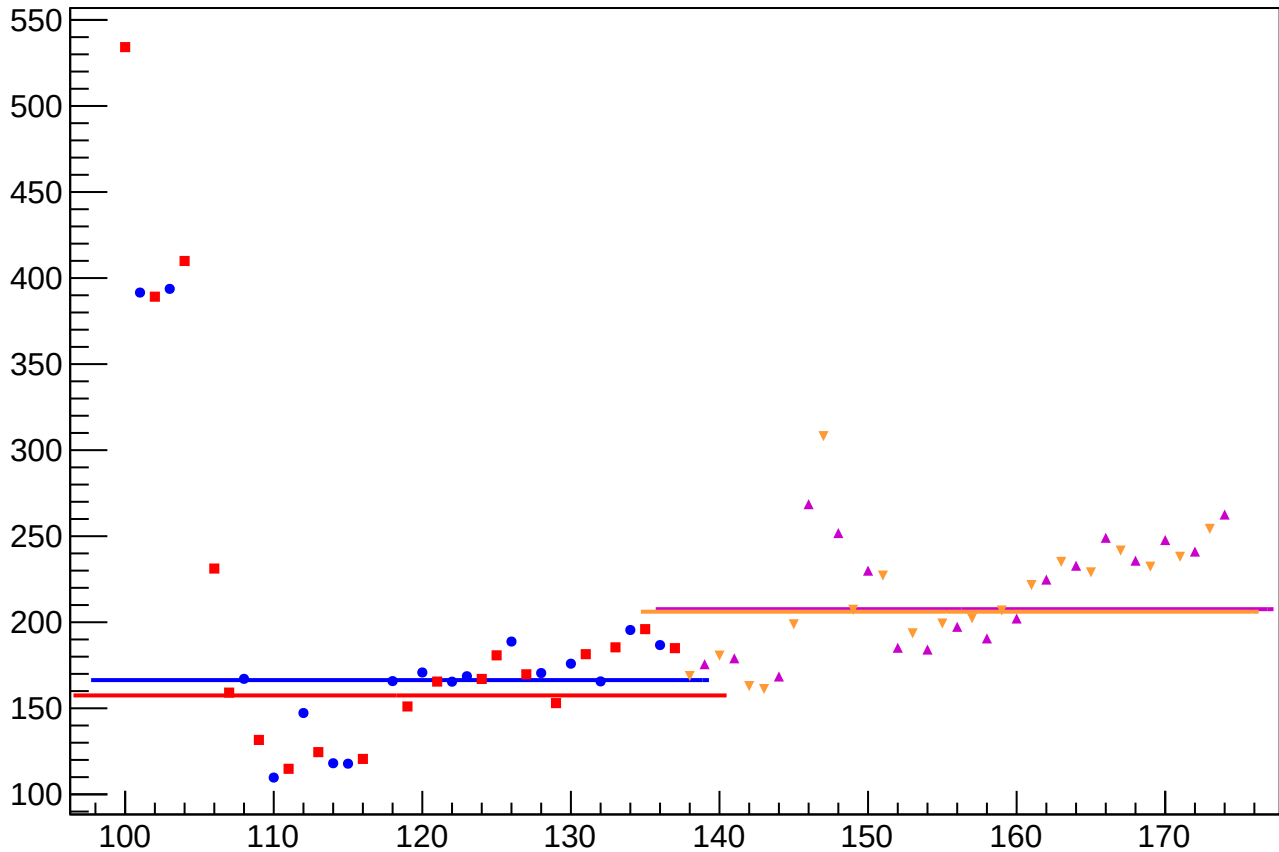
- sign 189.356 $\pm$ 0.031 χ^2 /NDF: 2606269.2/36

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 $\pm$ 0.068	χ^2 /NDF: 69975821.3/16	+ sign 140015.704 $\pm$ 0.043	χ^2 /NDF: 428072255.3/3
Left Out: 139748.903 $\pm$ 0.056	χ^2 /NDF: 300995115.7/18	All: 140000.984 $\pm$ 0.030	χ^2 /NDF: 763619303
Right Out: 140256.992 $\pm$ 0.063	χ^2 /NDF: 38063371.4/18	- sign 139986.972 $\pm$ 0.042	χ^2 /NDF: 335320971.4/3
Left In: 139769.042 $\pm$ 0.057	χ^2 /NDF: 264212055.7/17		

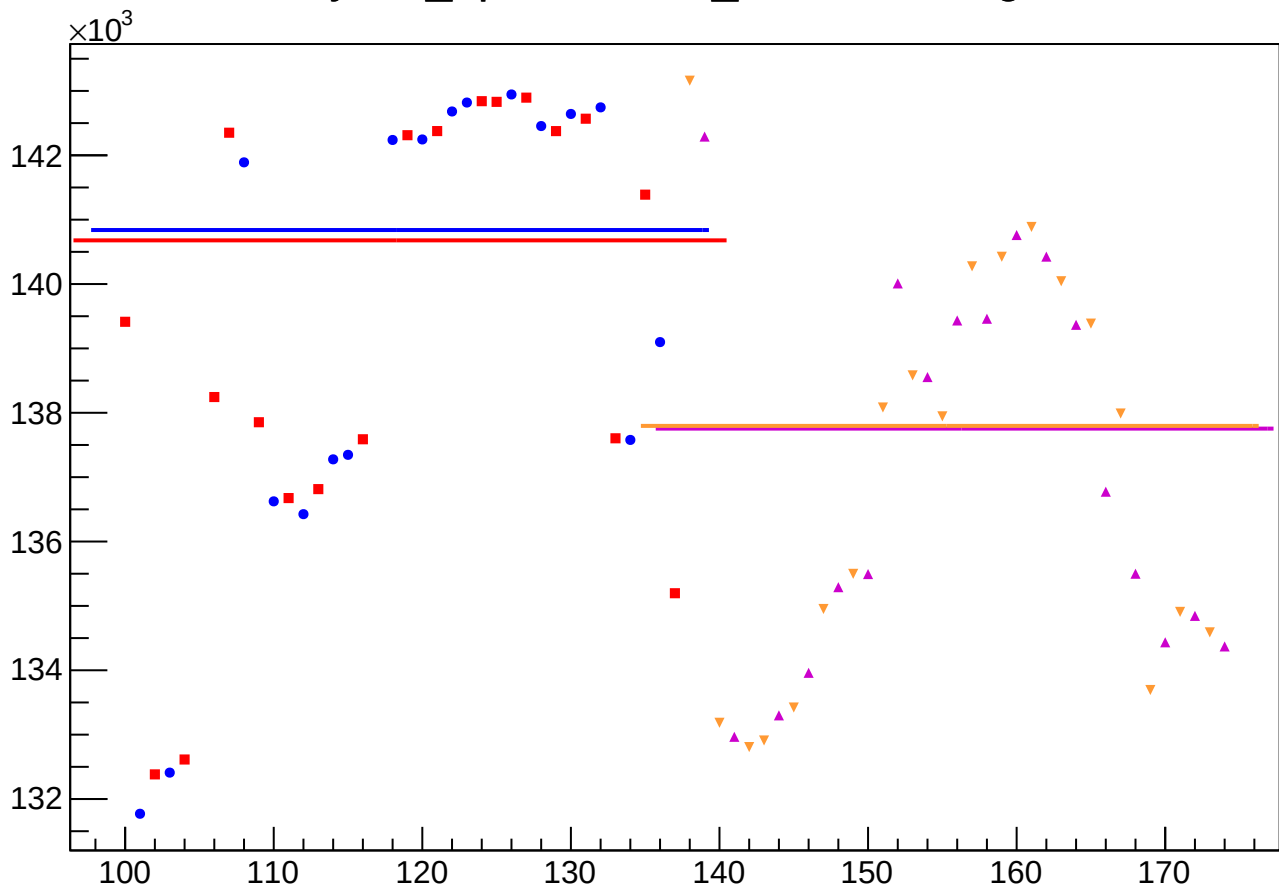
yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 χ^2/NDF : 1080964.8/16
 Left Out: 206.129 ± 0.039 χ^2/NDF : 629796.7/18
 Right Out: 157.475 ± 0.045 χ^2/NDF : 1229886.8/18
 Left In: 207.600 ± 0.040 χ^2/NDF : 600800.0/17

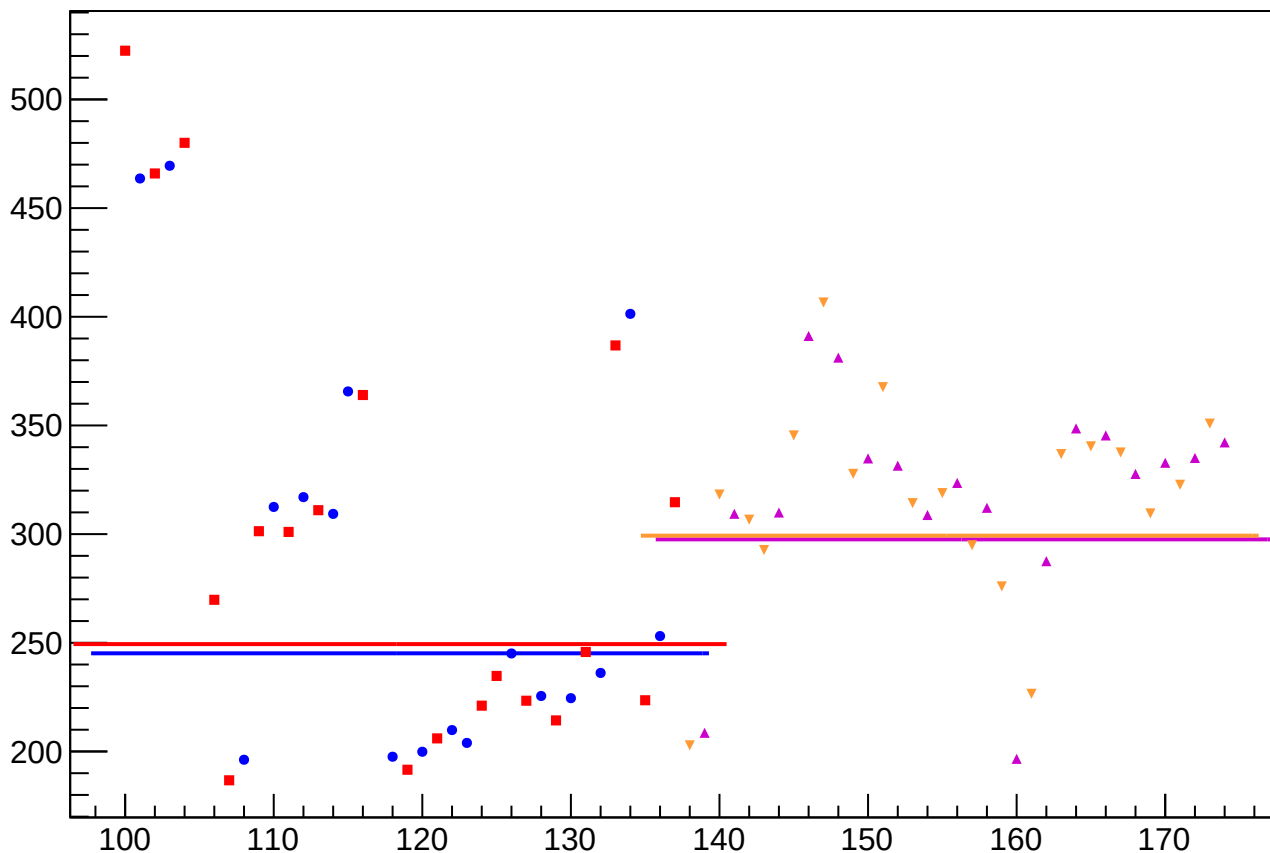
+ sign 190.236 ± 0.031 χ^2/NDF : 2115989.7/35
 All: 187.663 ± 0.021 χ^2/NDF : 4657916.7/72
 - sign 185.213 ± 0.030 χ^2/NDF : 2528104.6/36

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100	χ^2/NDF : 822682996.3/16	+ sign 139016.755 $\pm$ 0.063	χ^2/NDF : 3075073846.4
Left Out: 137796.449 $\pm$ 0.082	χ^2/NDF : 1698028969.5/18	All: 138983.247 $\pm$ 0.045	χ^2/NDF : 583828783
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: 299.285 $\pm$ 0.058 χ^2 /NDF: 803516.9/18

Right Out: 249.397 $\pm$ 0.070 χ^2 /NDF: 1009731.2/18

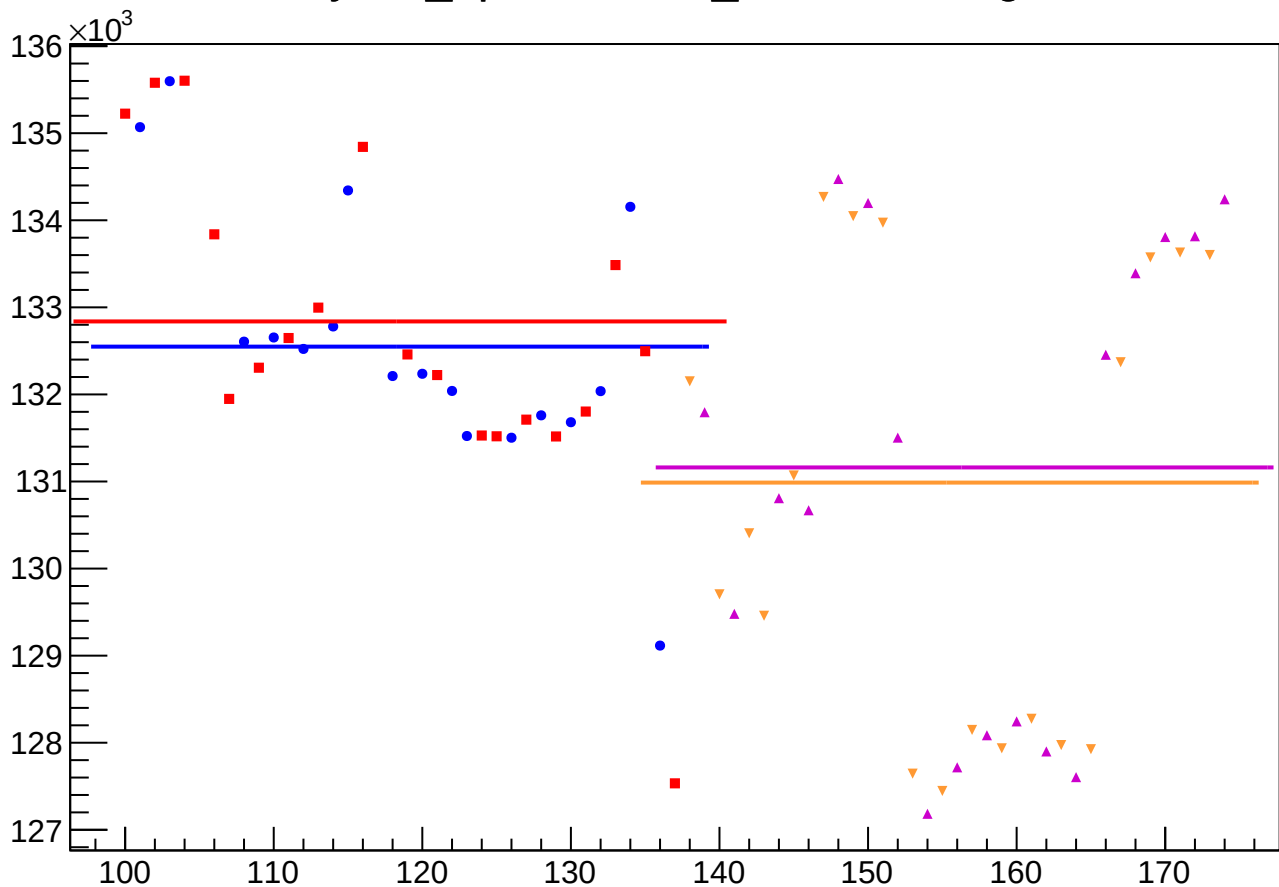
Left In: 297.584 $\pm$ 0.058 χ^2 /NDF: 992173.2/17

+ sign 277.577 $\pm$ 0.045 χ^2 /NDF: 2023861.1/35

All: 277.731 $\pm$ 0.032 χ^2 /NDF: 4305341.0/72

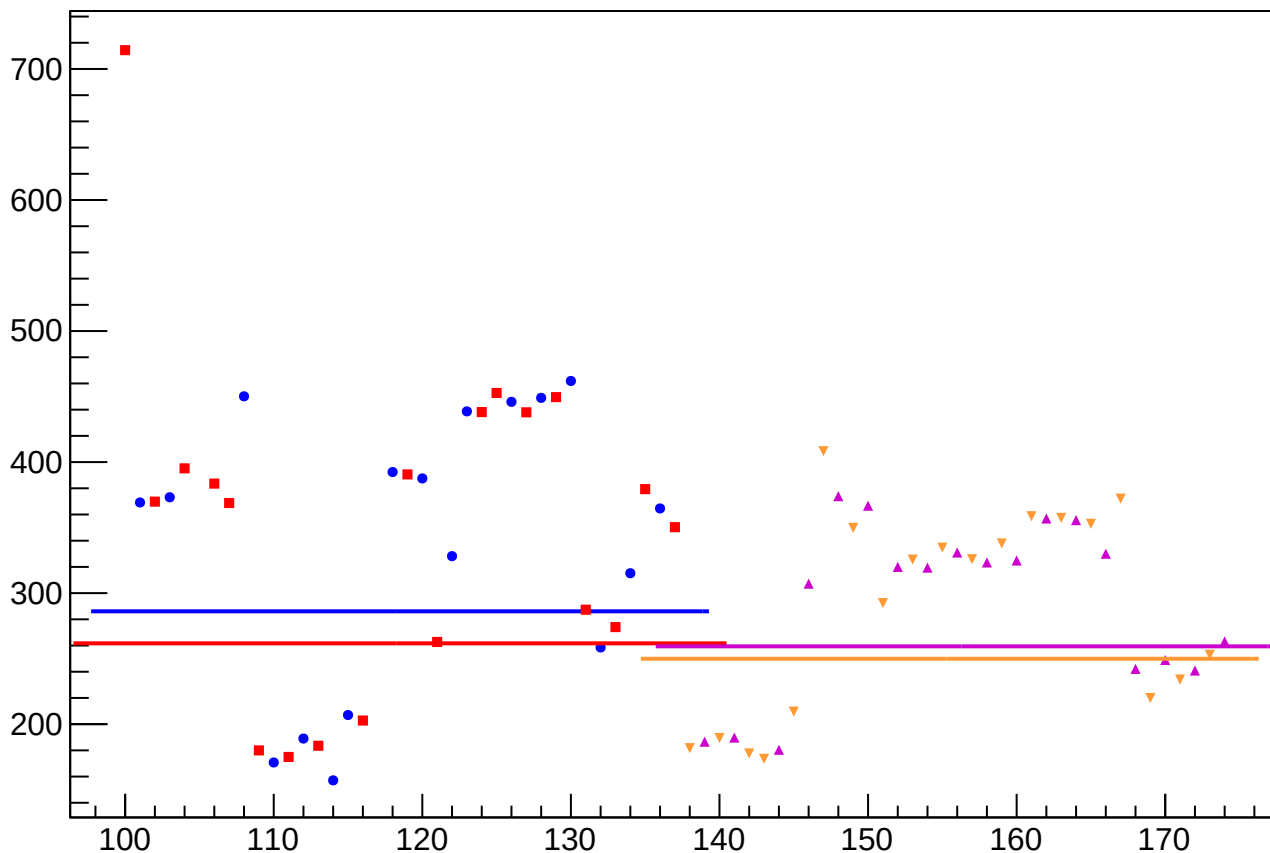
- sign 277.884 $\pm$ 0.045 χ^2 /NDF: 2281456.3/36

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119	χ^2 /NDF: 161115079.9/16	+ sign 131385.940 $\pm$ 0.060	χ^2 /NDF: 1324671975.3
Left Out: 130987.511 $\pm$ 0.070	χ^2 /NDF: 1036127852.7/18	All: 131538.046 $\pm$ 0.043	χ^2 /NDF: 267502365
Right Out: 132838.294 $\pm$ 0.107	χ^2 /NDF: 149611447.6/18	- sign 131688.974 $\pm$ 0.060	χ^2 /NDF: 1337675317.3/17
Left In: 131161.561 $\pm$ 0.073	χ^2 /NDF: 1020058365.5/17		

yield_bpm0r05WS_rms vs Slug



Right In: 286.122 $\pm$ 0.084 χ^2 /NDF: 1525266.4/16

Left Out: 249.915 $\pm$ 0.049 χ^2 /NDF:2138498.6/18

Right Out: 261.686 $\pm$ 0.076 χ^2 /NDF: 1623174.1/18

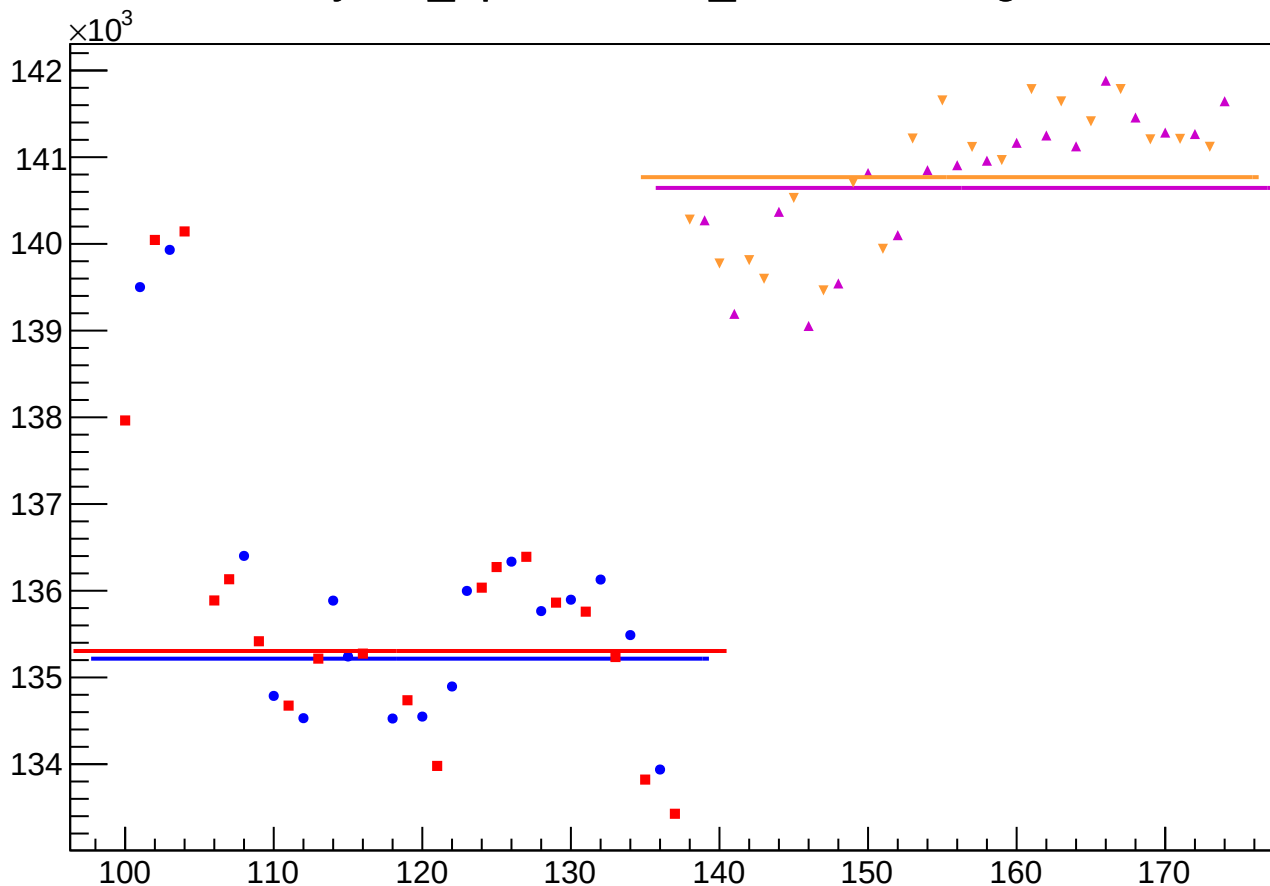
Left In: 259.388 $\pm$ 0.051 χ^2 /NDF:1656751.4/17

+ sign 259.154 $\pm$ 0.043 χ^2 /NDF: 3800814.3/35

All: 259.634 $\pm$ 0.030 χ^2 /NDF: 7081623.8/72

- sign 260.111 $\pm$ 0.042 χ^2 /NDF: 3280556.7/36

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140769.697 $\pm$ 0.052 χ^2 /NDF: 203100910.7/18

Right Out: 135305.135 $\pm$ 0.051 χ^2 /NDF: 357636841.6/18

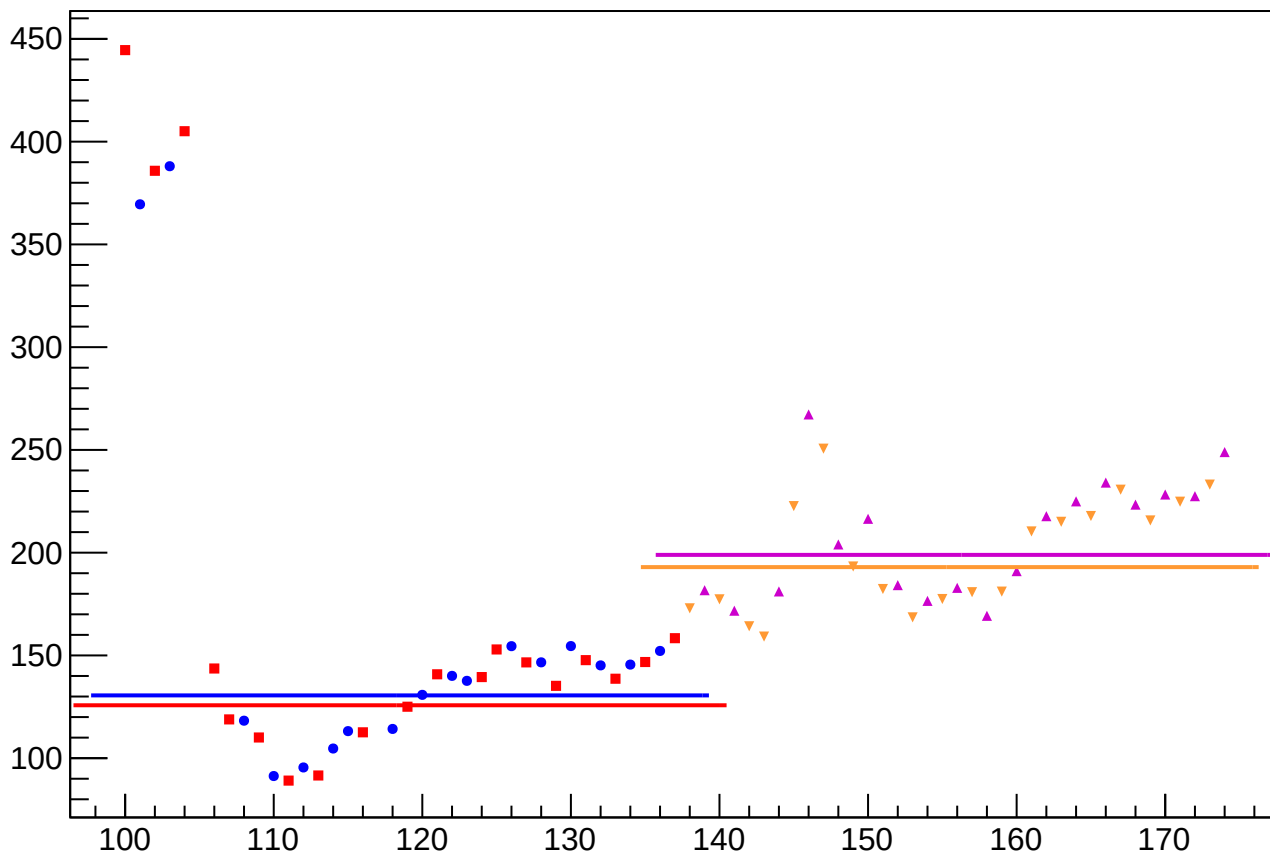
Left In: 140645.558 $\pm$ 0.054 χ^2 /NDF: 190707452.1/17

+ sign 138106.089 $\pm$ 0.038 χ^2 /NDF: 6005243065.5

All: 137959.420 $\pm$ 0.026 χ^2 /NDF: 117104927

- sign 137816.004 $\pm$ 0.037 χ^2 /NDF: 5675227984.2/17

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 192.972 $\pm$ 0.037 χ^2 /NDF: 460171.4/18

Right Out: 125.746 $\pm$ 0.036 χ^2 /NDF: 1440002.5/18

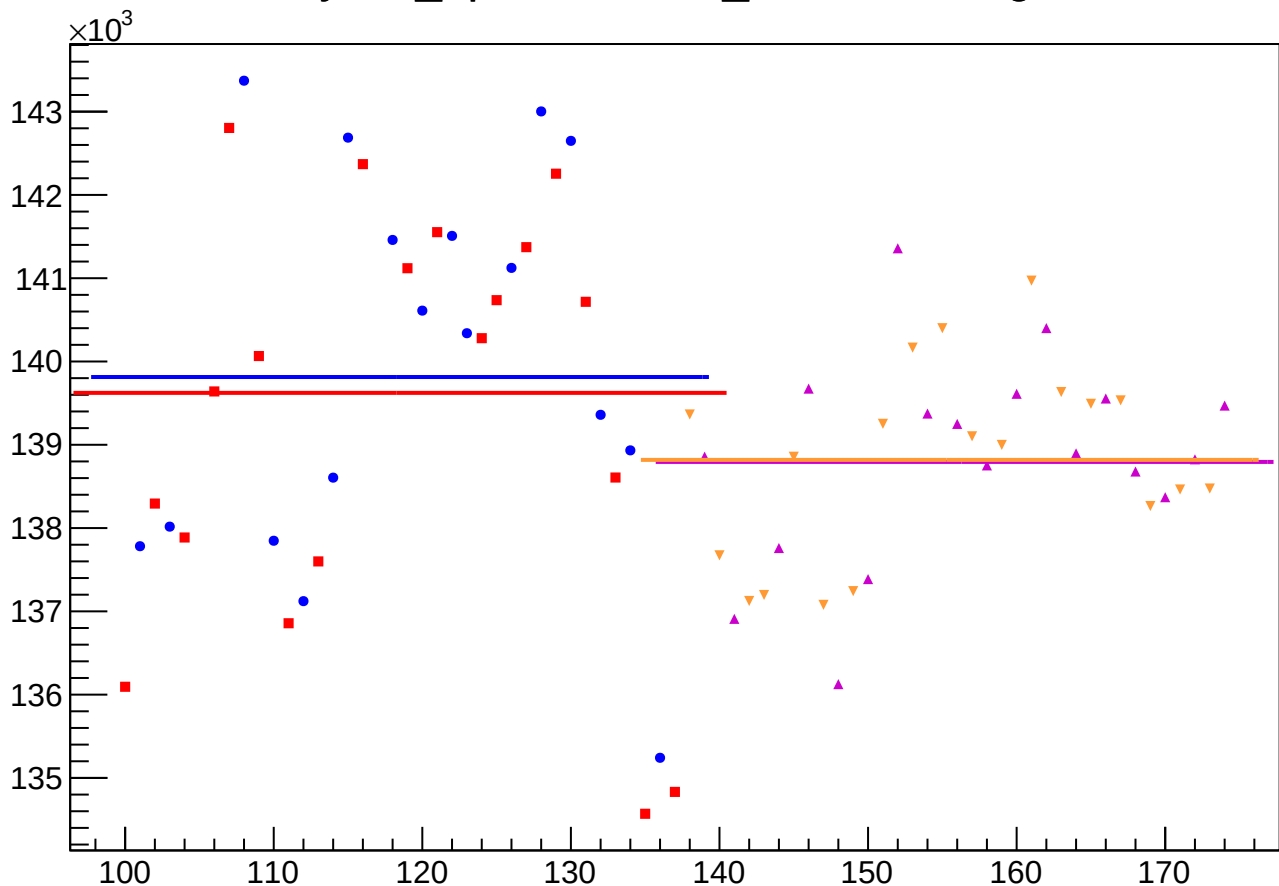
Left In: 198.923 $\pm$ 0.038 χ^2 /NDF: 459446.3/17

+ sign 163.031 $\pm$ 0.027 χ^2 /NDF: 3205646.1/35

All: 161.575 $\pm$ 0.019 χ^2 /NDF: 7036265.4/72

- sign 160.151 $\pm$ 0.026 χ^2 /NDF: 3824699.6/36

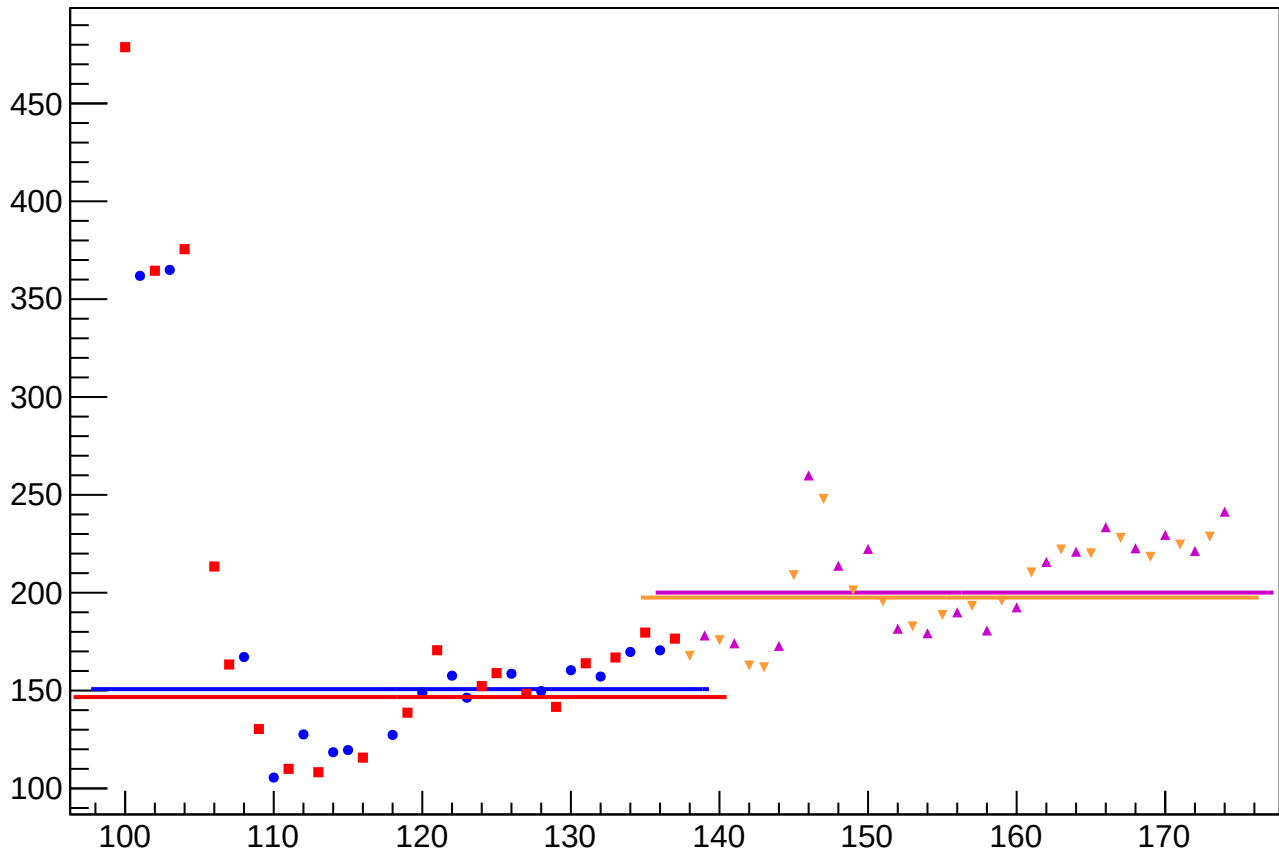
yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 ± 0.062 $\chi^2/\text{NDF}: 1689865533.6/16$
 Left Out: 138818.643 ± 0.053 $\chi^2/\text{NDF}: 450472817.5/18$
 Right Out: 139623.387 ± 0.059 $\chi^2/\text{NDF}: 1505731109.1/18$
 Left In: 138794.187 ± 0.055 $\chi^2/\text{NDF}: 532588136.9/17$

+ sign 139243.496 ± 0.040 $\chi^2/\text{NDF}: 2288296703.8$
 All: 139209.712 ± 0.028 $\chi^2/\text{NDF}: 443436303$
 - sign 139176.566 ± 0.040 $\chi^2/\text{NDF}: 2144685226.8/$

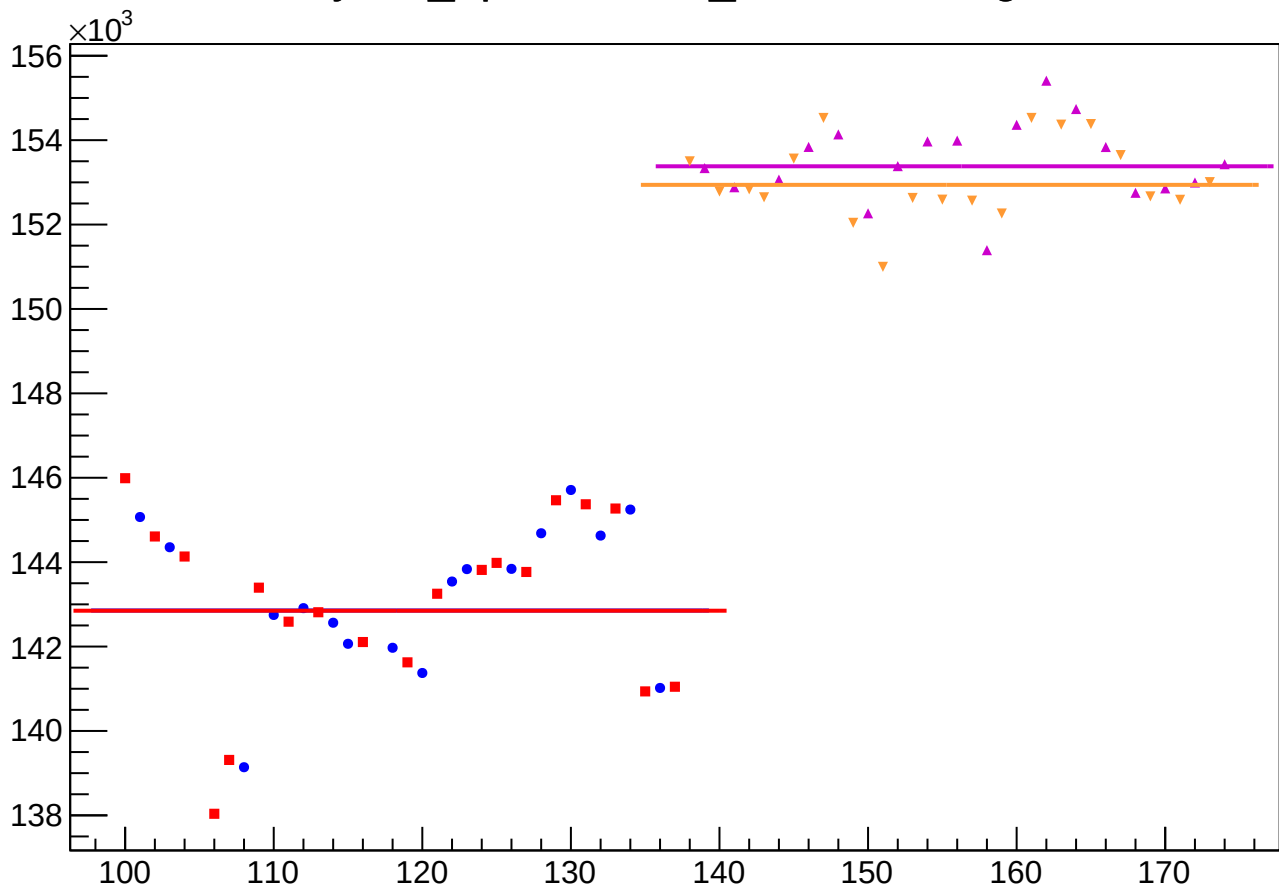
yield_bpm0i02aWS_rms vs Slug



Right In: 150.733 ± 0.044 χ^2/NDF : 1050071.6/16
 Left Out: 197.515 ± 0.038 χ^2/NDF : 379655.6/18
 Right Out: 146.686 ± 0.042 χ^2/NDF : 1203106.6/18
 Left In: 200.059 ± 0.039 χ^2/NDF : 407238.8/17

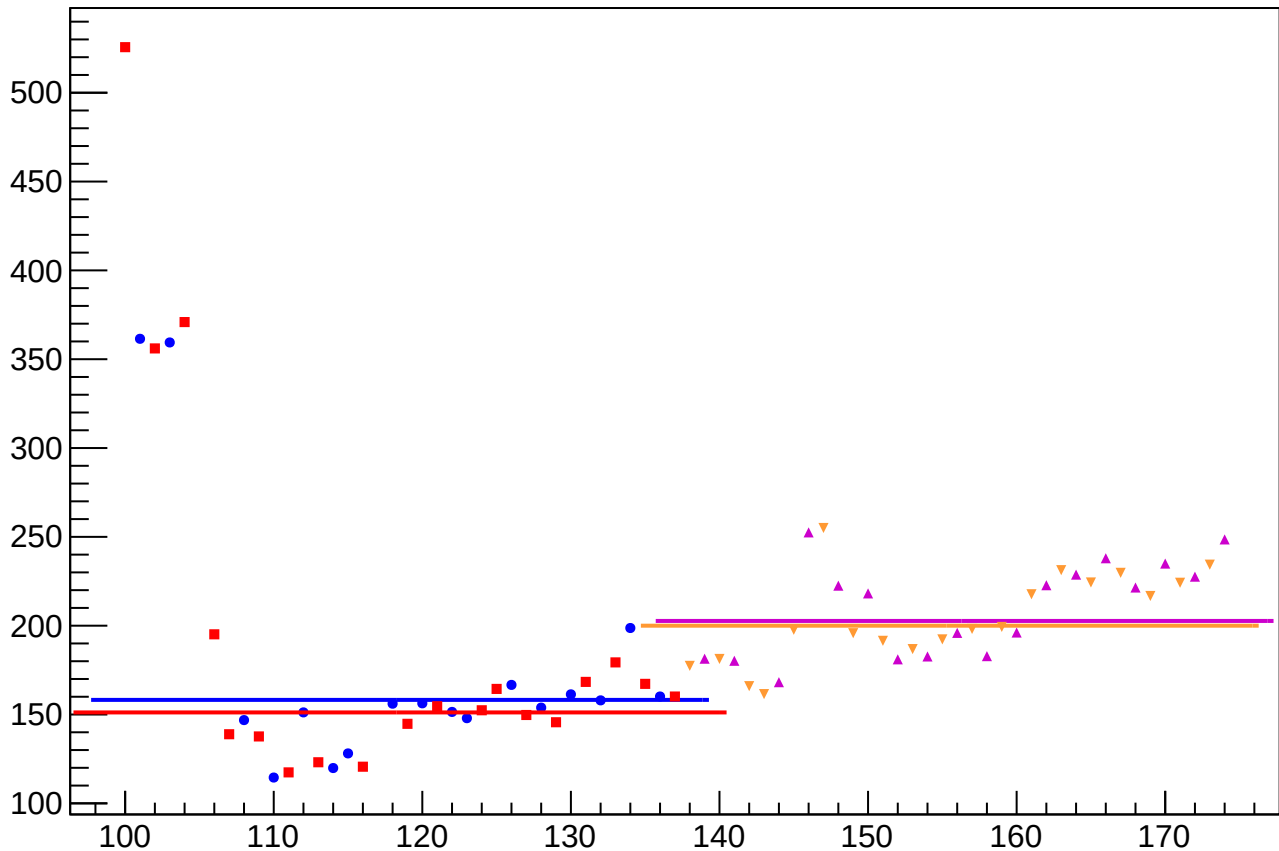
+ sign 177.540 ± 0.029 χ^2/NDF : 2083846.8/35
 All: 176.483 ± 0.020 χ^2/NDF : 4578278.8/72
 - sign 175.446 ± 0.028 χ^2/NDF : 2491729.4/36

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16
 Left Out: 152940.839 $\pm$ 0.054 χ^2 /NDF: 262659793.0/18
 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
 All: 148684.879 $\pm$ 0.029 χ^2 /NDF: 330116579
 + sign 148792.146 $\pm$ 0.041 χ^2 /NDF: 15327217992.1
 - 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: 200.001+/-0.038 χ^2/NDF : 369770.9/18

Right Out: 151.174+/-0.043 χ^2/NDF : 1003301.6/18

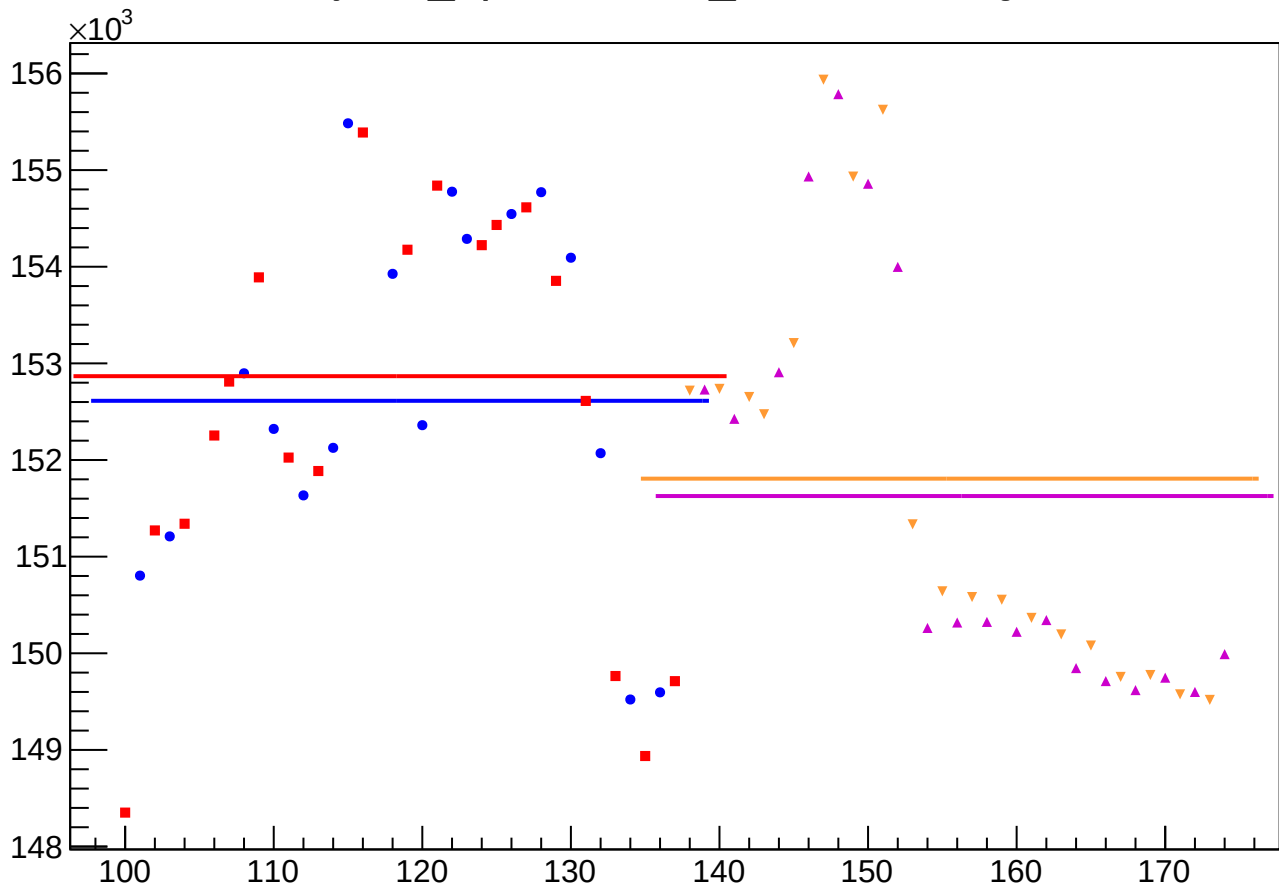
Left In: 202.674+/-0.039 χ^2/NDF : 421928.2/17

+ sign 182.822+/-0.029 χ^2/NDF : 1744551.0/35

All: 180.982+/-0.021 χ^2/NDF : 3968989.6/72

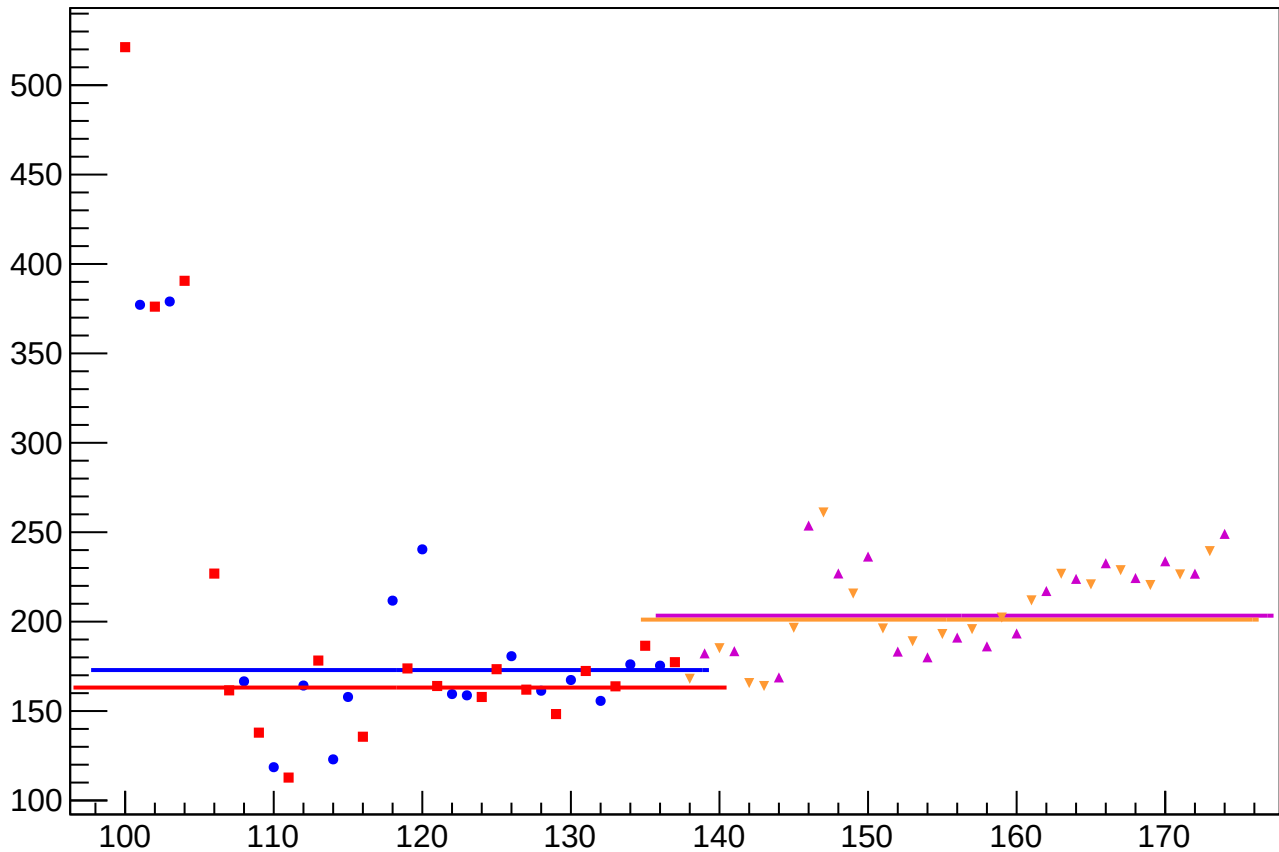
- sign 179.203+/-0.029 χ^2/NDF : 2216697.1/36

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072	χ^2 /NDF: 621416187.4/16	+ sign 152097.461 $\pm$ 0.043	χ^2 /NDF: 1939940907.3
Left Out: 151807.095 $\pm$ 0.054	χ^2 /NDF: 1238851536.1/18	All: 152117.676 $\pm$ 0.030	χ^2 /NDF: 411670079
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: 201.125+/-0.038 χ^2/NDF : 397022.2/18

Right Out: 163.138+/-0.047 χ^2/NDF : 1033751.2/18

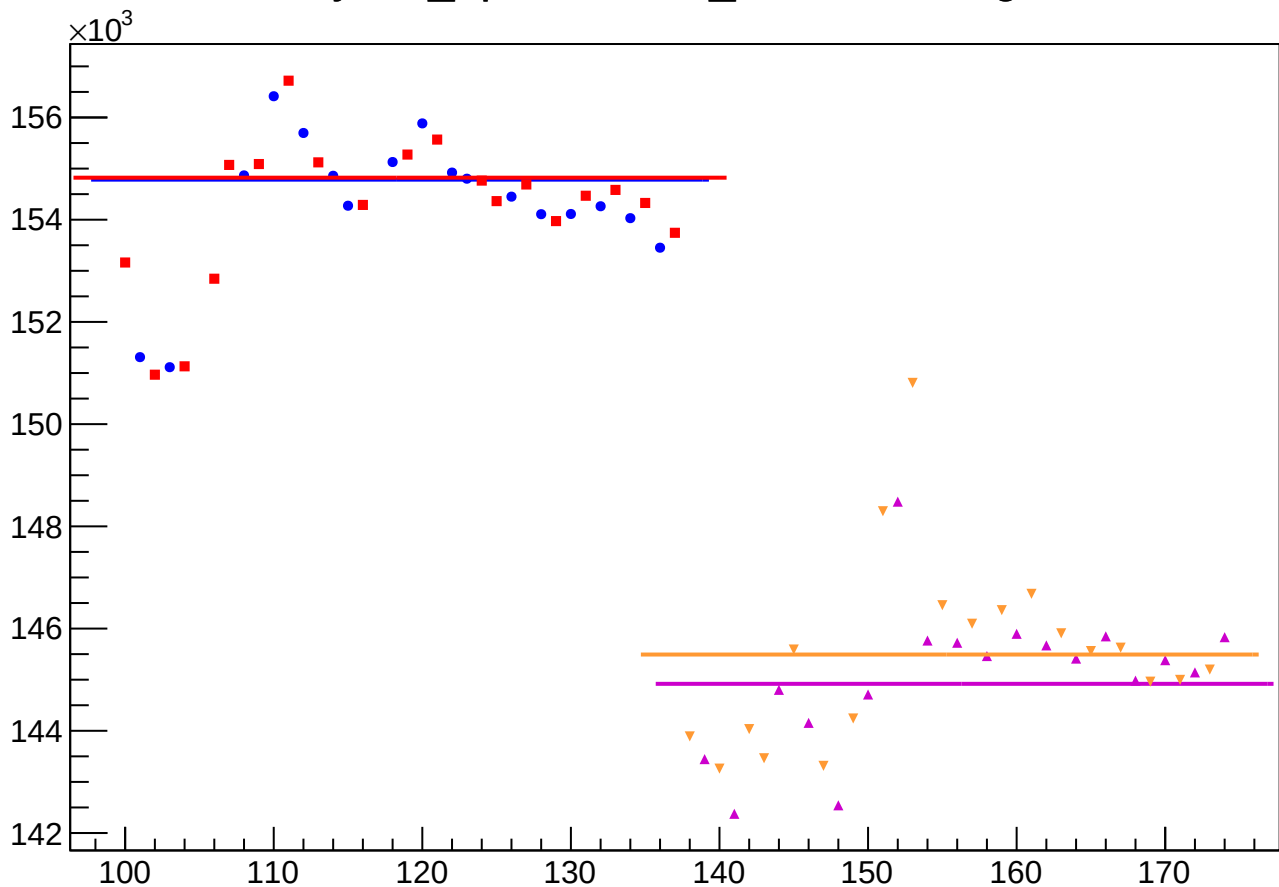
Left In: 203.328+/-0.039 χ^2/NDF : 431149.5/17

+ sign 190.958+/-0.031 χ^2/NDF : 1534338.2/35

All: 188.839+/-0.021 χ^2/NDF : 3442462.8/72

- sign 186.804+/-0.030 χ^2/NDF : 1898748.5/36

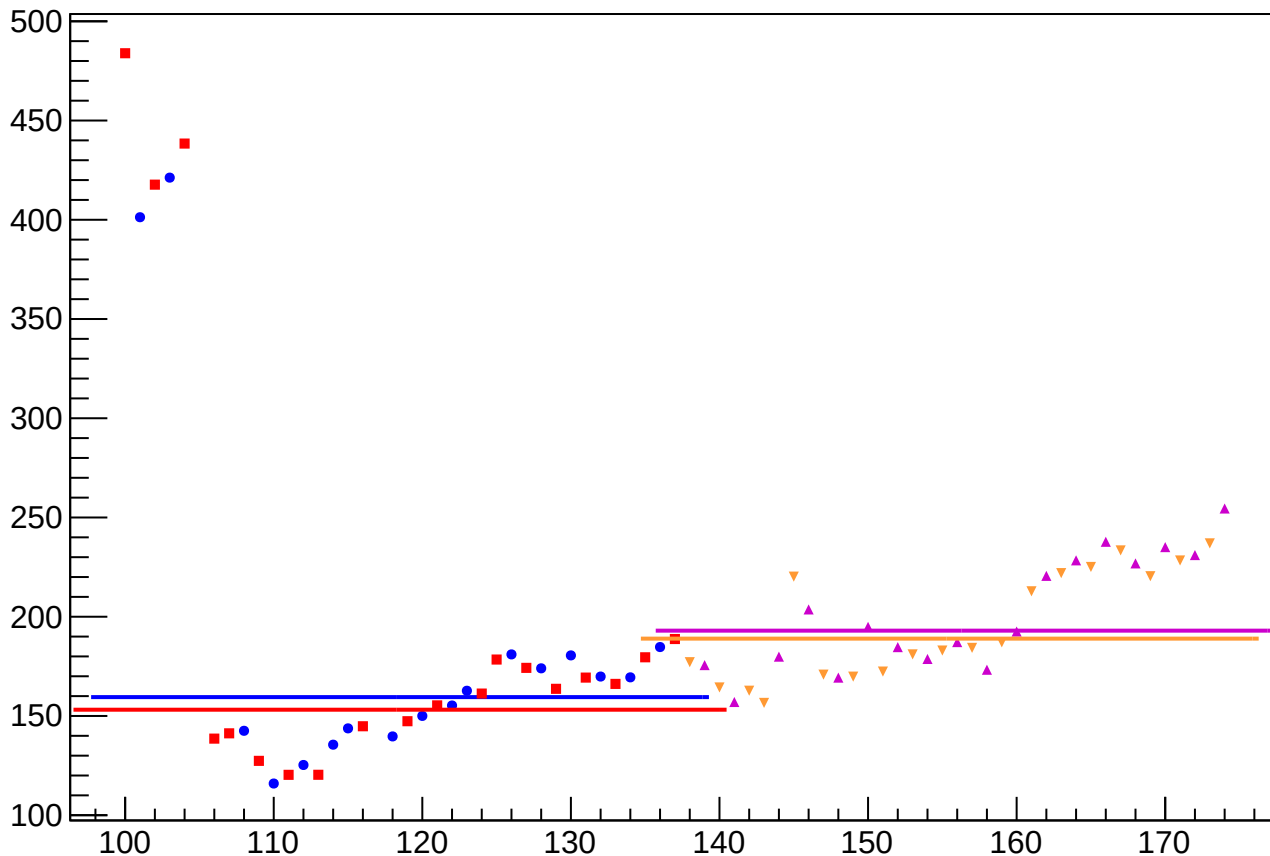
yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 ± 0.065 $\chi^2/\text{NDF}: 265581398.0/16$
 Left Out: 145492.224 ± 0.051 $\chi^2/\text{NDF}: 1492354635.6/18$
 Right Out: 154822.113 ± 0.061 $\chi^2/\text{NDF}: 293850525.9/18$
 Left In: 144918.895 ± 0.052 $\chi^2/\text{NDF}: 836808431.9/17$

+ sign 148999.078 ± 0.040 $\chi^2/\text{NDF}: 14337326421.1$
 All: 149069.135 ± 0.028 $\chi^2/\text{NDF}: 306584313.1$
 - sign 149137.743 ± 0.040 $\chi^2/\text{NDF}: 16315081250.1$

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 188.967 $\pm$ 0.036 χ^2 /NDF: 486296.3/18

Right Out: 153.153 $\pm$ 0.043 χ^2 /NDF: 1173739.7/18

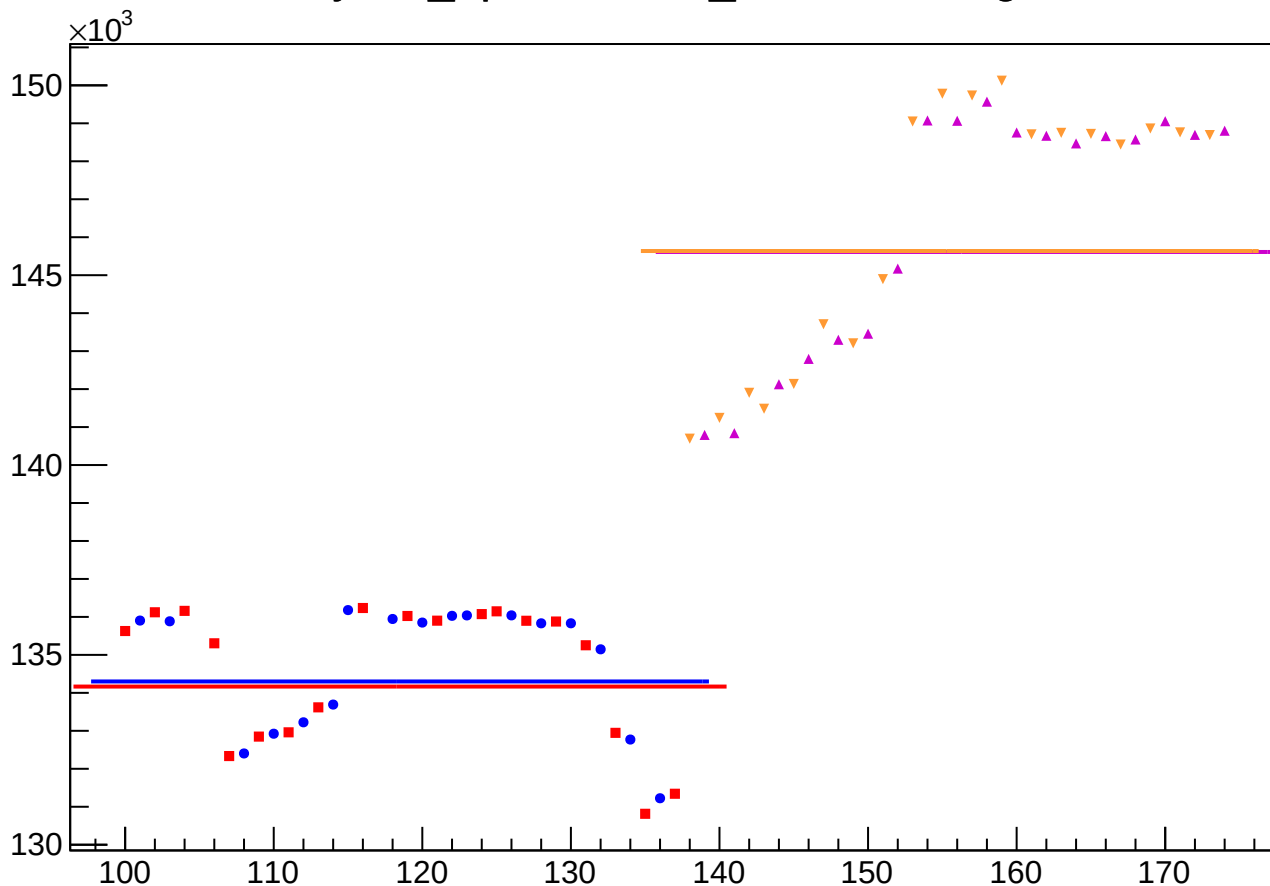
Left In: 192.987 $\pm$ 0.037 χ^2 /NDF: 484698.9/17

+ sign 177.847 $\pm$ 0.028 χ^2 /NDF: 1871103.1/35

All: 176.923 $\pm$ 0.020 χ^2 /NDF: 4022962.7/72

- sign 176.017 $\pm$ 0.028 χ^2 /NDF: 2149762.5/36

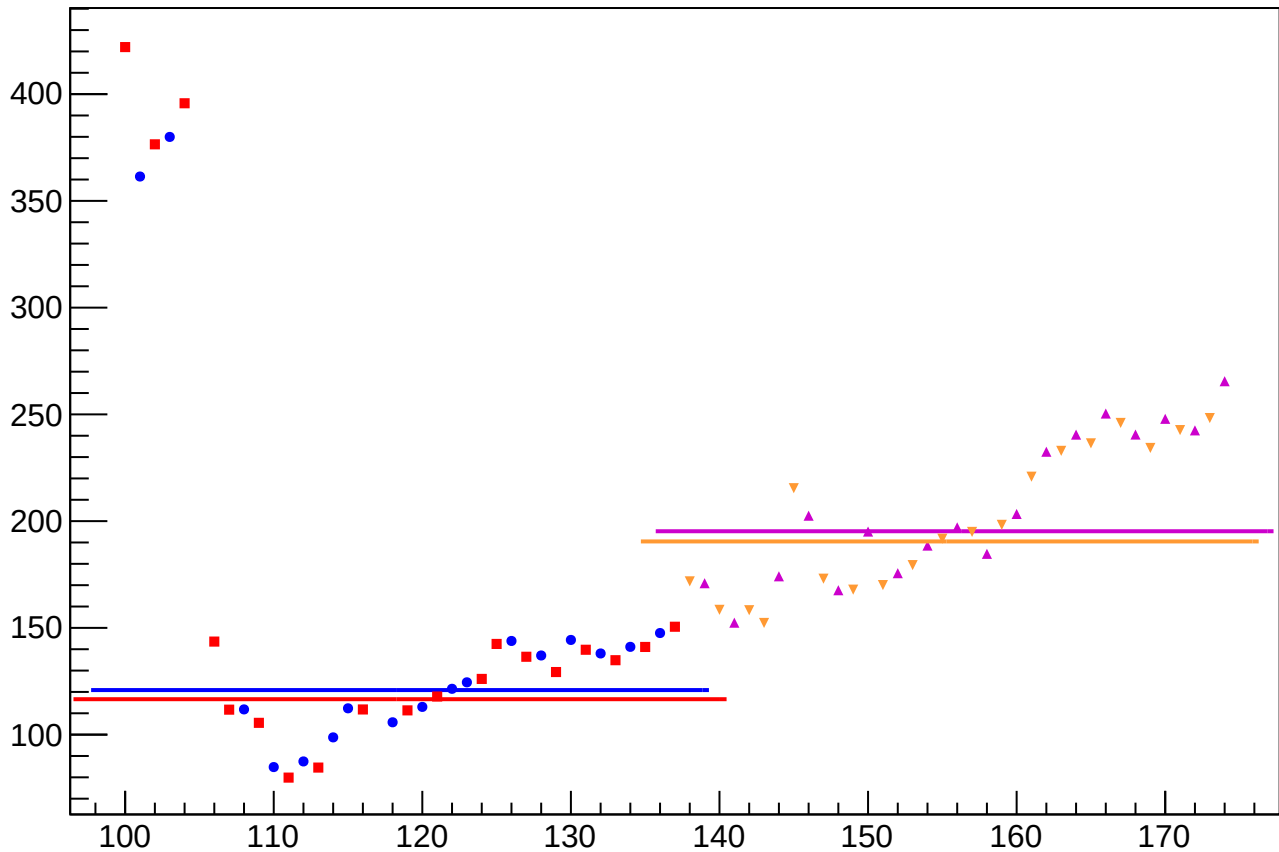
yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 ± 0.050 $\chi^2/\text{NDF}: 1149581803.2/16$
 Left Out: 145636.737 ± 0.052 $\chi^2/\text{NDF}: 4658131832.4/18$
 Right Out: 134165.615 ± 0.047 $\chi^2/\text{NDF}: 1211471052.4/18$
 Left In: 145611.478 ± 0.053 $\chi^2/\text{NDF}: 3981829142.4/17$

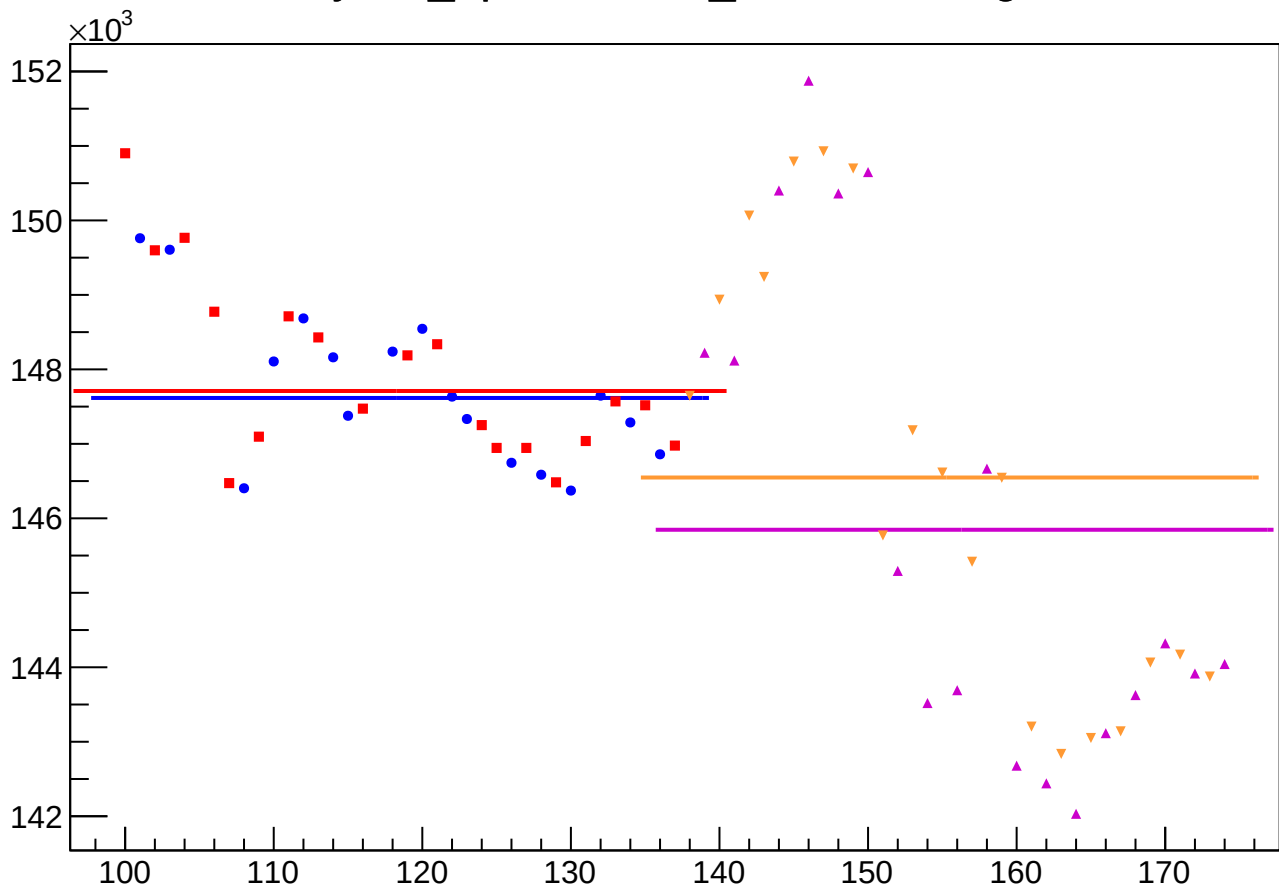
All: 139522.778 ± 0.025 $\chi^2/\text{NDF}: 616689753$
 + sign 139836.720 ± 0.036 $\chi^2/\text{NDF}: 30574711349$
 - sign 139219.043 ± 0.035 $\chi^2/\text{NDF}: 30944707668.6$

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036	χ^2 /NDF: 1463728.4/16	+ sign 154.872 $\pm$ 0.025	χ^2 /NDF: 4035636.6/35
Left Out: 190.489 $\pm$ 0.036	χ^2 /NDF: 703987.9/18	All: 153.070 $\pm$ 0.018	χ^2 /NDF: 8699683.0/72
Right Out: 116.595 $\pm$ 0.034	χ^2 /NDF: 1541338.5/18	- sign 151.327 $\pm$ 0.025	χ^2 /NDF: 4654190.9/36
Left In: 195.262 $\pm$ 0.038	χ^2 /NDF: 679957.4/17		

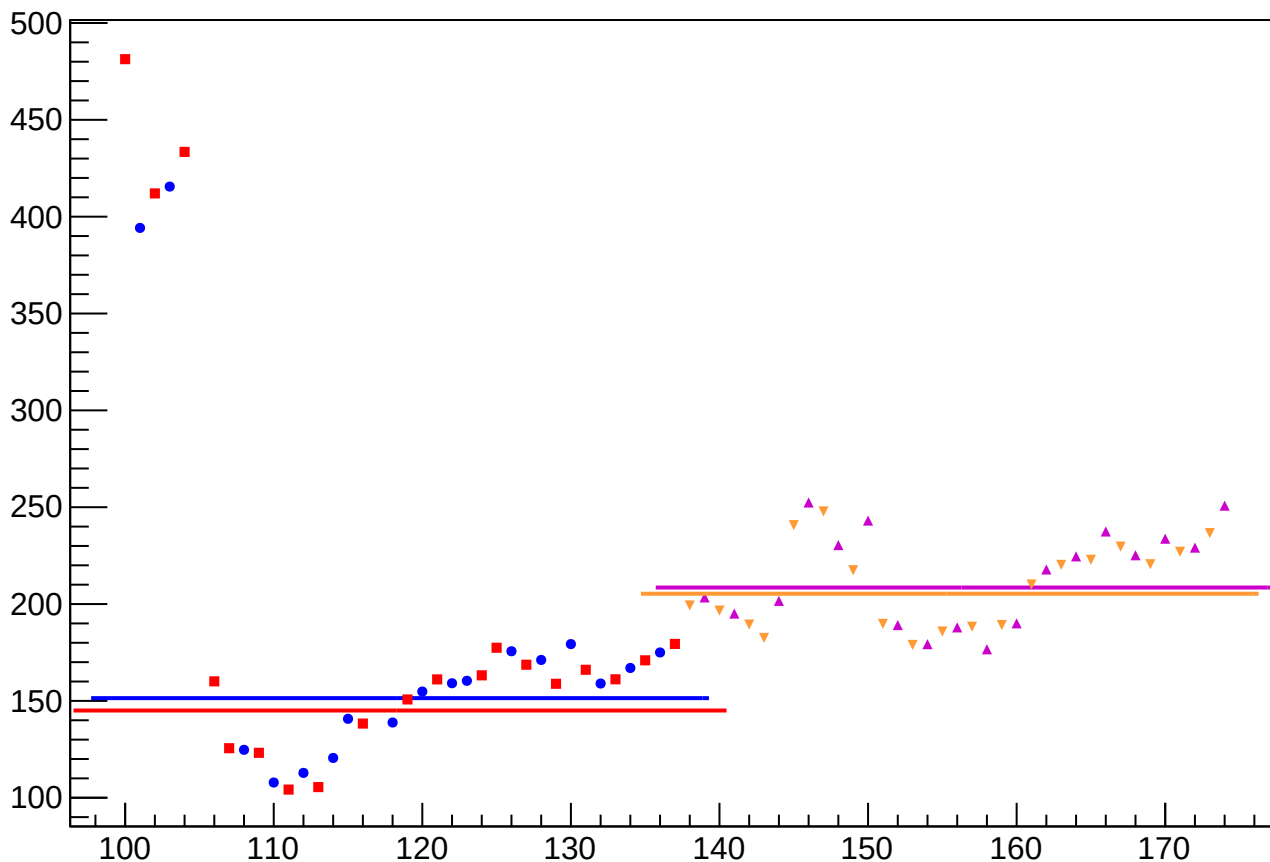
yield_bpm1i06WS_mean vs Slug



Right In: 147616.150+/-0.062 χ^2 /NDF: 199263428.7/16
 Left Out: 146548.070+/-0.055 χ^2 /NDF: 2246269644.3/18
 Right Out: 147709.723+/-0.058 χ^2 /NDF: 203906685.9/18
 Left In: 145846.456+/-0.057 χ^2 /NDF: 2842633557.1/17

+ sign 147015.877+/-0.041 χ^2 /NDF: 2609751517.7/16
 - sign 146749.933+/-0.041 χ^2 /NDF: 3572226367.9/16
 All: 146880.513+/-0.029 χ^2 /NDF: 620303023.1/16

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 205.326 $\pm$ 0.039 χ^2 /NDF: 280500.8/18

Right Out: 145.039 $\pm$ 0.041 χ^2 /NDF: 1375972.0/18

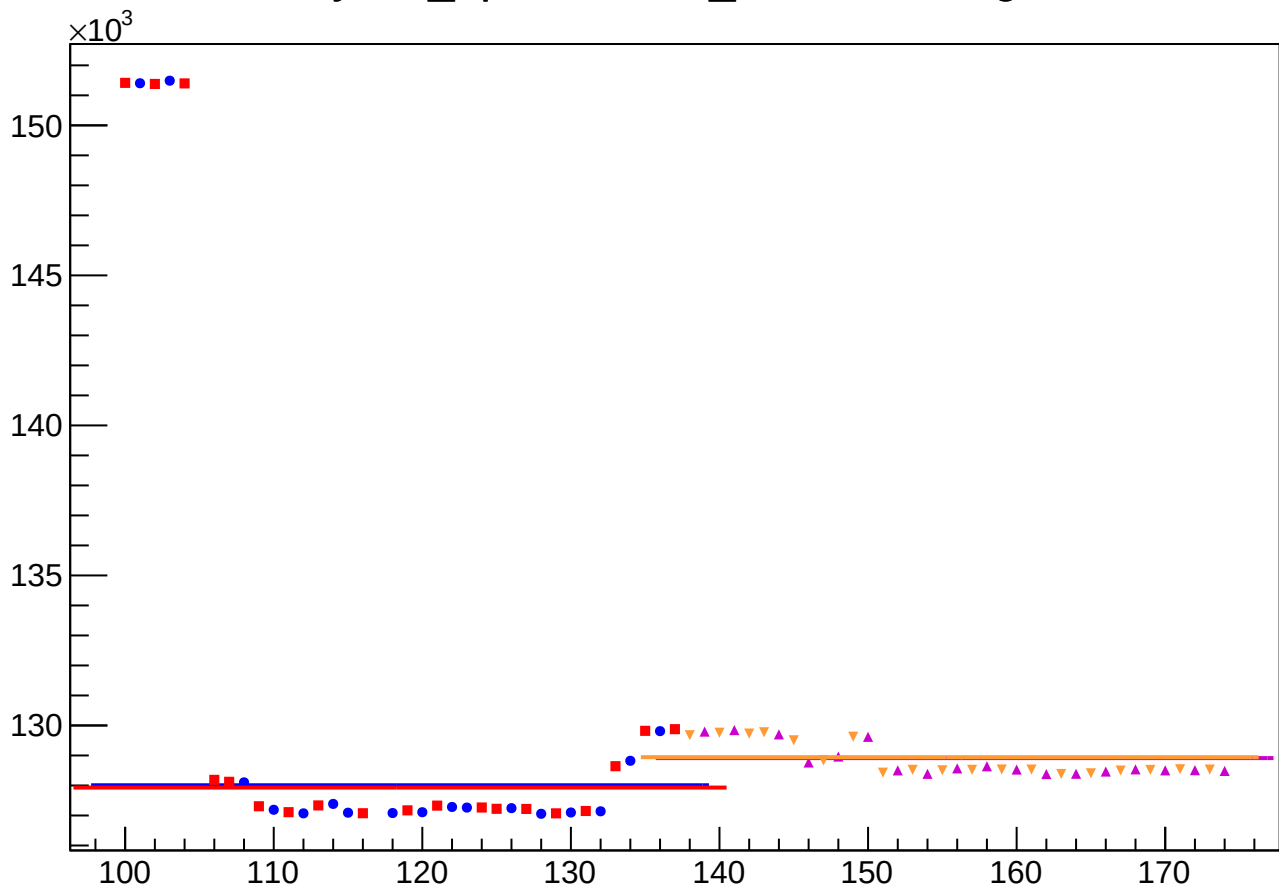
Left In: 208.533 $\pm$ 0.040 χ^2 /NDF: 360689.2/17

+ sign 181.717 $\pm$ 0.029 χ^2 /NDF: 2374817.7/35

All: 179.696 $\pm$ 0.020 χ^2 /NDF: 5341745.4/72

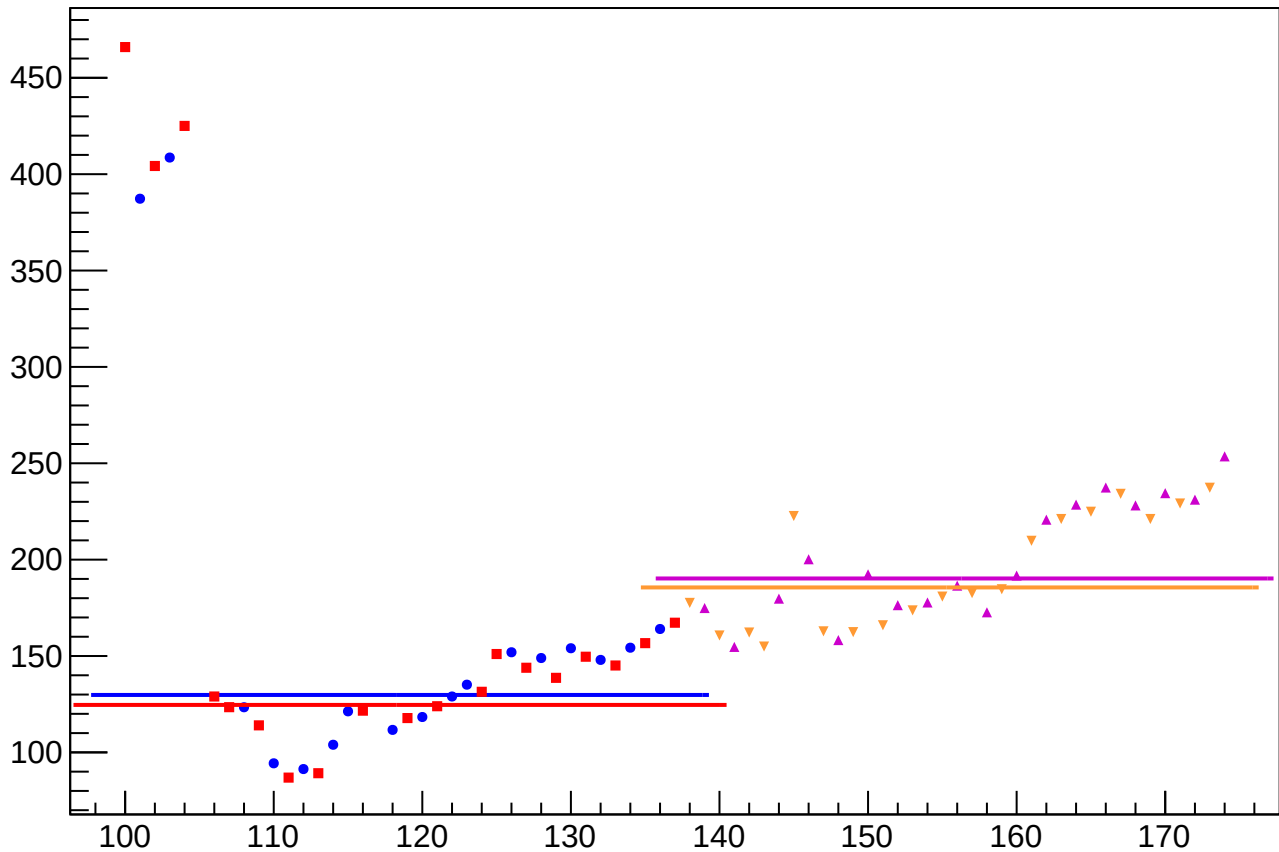
- sign 177.746 $\pm$ 0.029 χ^2 /NDF: 2957537.3/36

yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16
 Left Out: 128942.846 $\pm$ 0.050 χ^2 /NDF: 126463898.0/18
 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 128511.909 $\pm$ 0.037 χ^2 /NDF: 4607373659.8
 All: 128458.967 $\pm$ 0.026 χ^2 /NDF: 867838829
 - 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: 185.581 $\pm$ 0.035 χ^2 /NDF: 575145.5/18

Right Out: 124.625 $\pm$ 0.036 χ^2 /NDF: 1531827.4/18

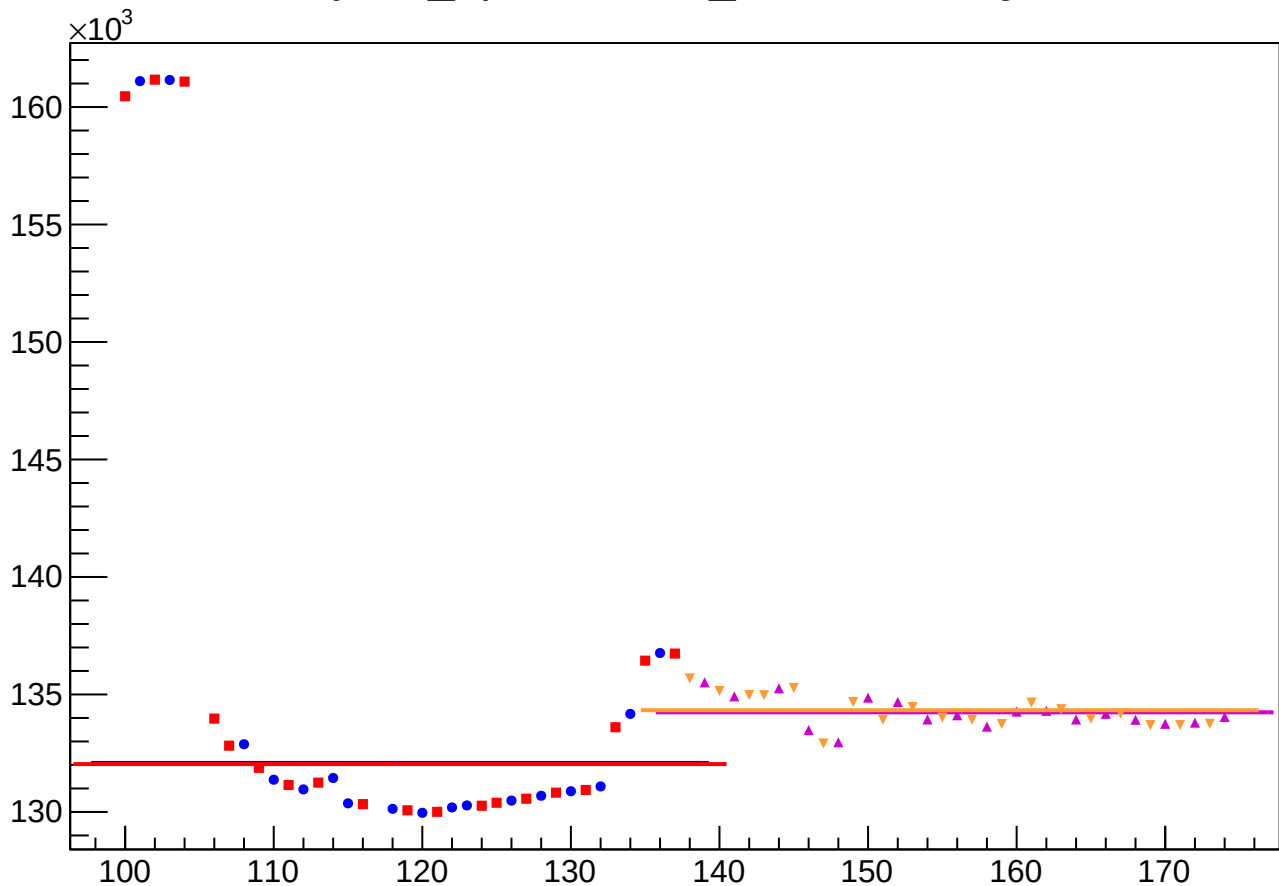
Left In: 190.232 $\pm$ 0.037 χ^2 /NDF: 552793.3/17

+ sign 159.883 $\pm$ 0.026 χ^2 /NDF: 3206346.3/35

All: 158.177 $\pm$ 0.018 χ^2 /NDF: 6948681.0/72

- sign 156.528 $\pm$ 0.026 χ^2 /NDF: 3733849.7/36

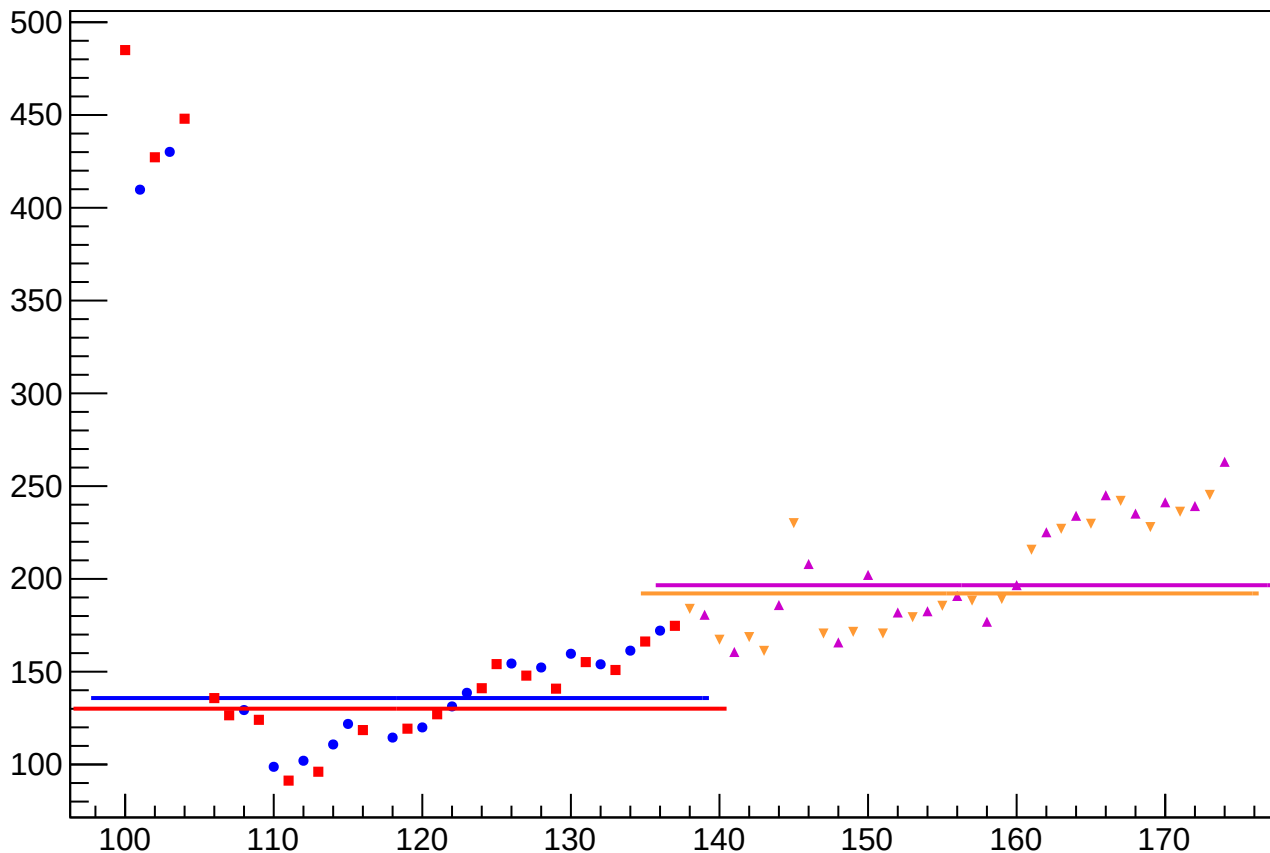
yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 ± 0.057 $\chi^2/\text{NDF}: 6733230928.7/16$
 Left Out: 134330.414 ± 0.052 $\chi^2/\text{NDF}: 181267888.5/18$
 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 133306.840 ± 0.038 $\chi^2/\text{NDF}: 7771223431.6$
 All: 133210.877 ± 0.027 $\chi^2/\text{NDF}: 146942490$
 - sign 133118.374 ± 0.037 $\chi^2/\text{NDF}: 6910618126.3/17$

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 ± 0.040 χ^2/NDF : 1441904.9/16

Left Out: 192.166 ± 0.037 χ^2/NDF : 541964.1/18

Right Out: 130.070 ± 0.037 χ^2/NDF : 1503997.6/18

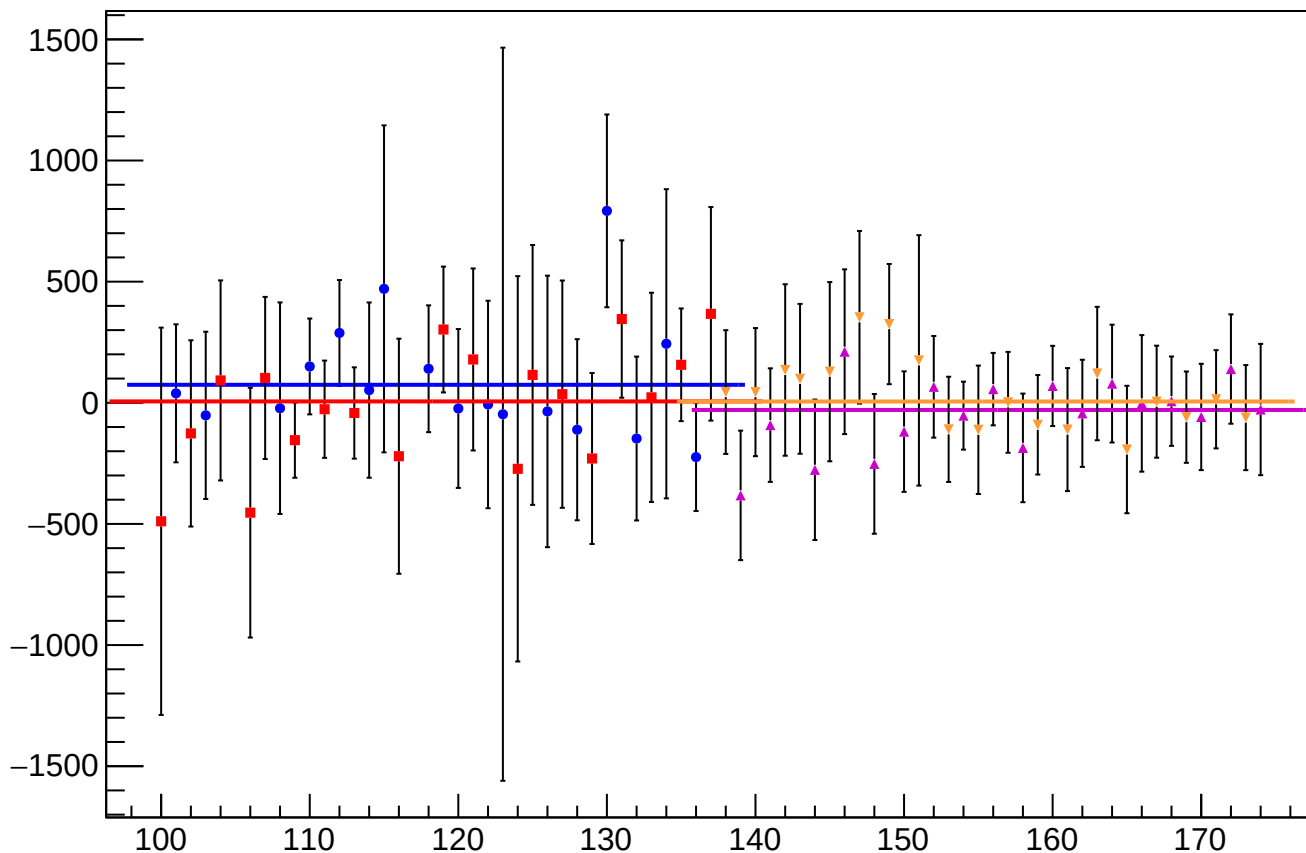
Left In: 196.597 ± 0.038 χ^2/NDF : 538264.6/17

+ sign 166.449 ± 0.027 χ^2/NDF : 3065471.7/35

All: 164.551 ± 0.019 χ^2/NDF : 6691856.4/72

- sign 162.720 ± 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: 5.362+/-57.629 χ^2/NDF : 5.0/18

Right Out: 5.739+/-70.069 χ^2/NDF : 7.1/18

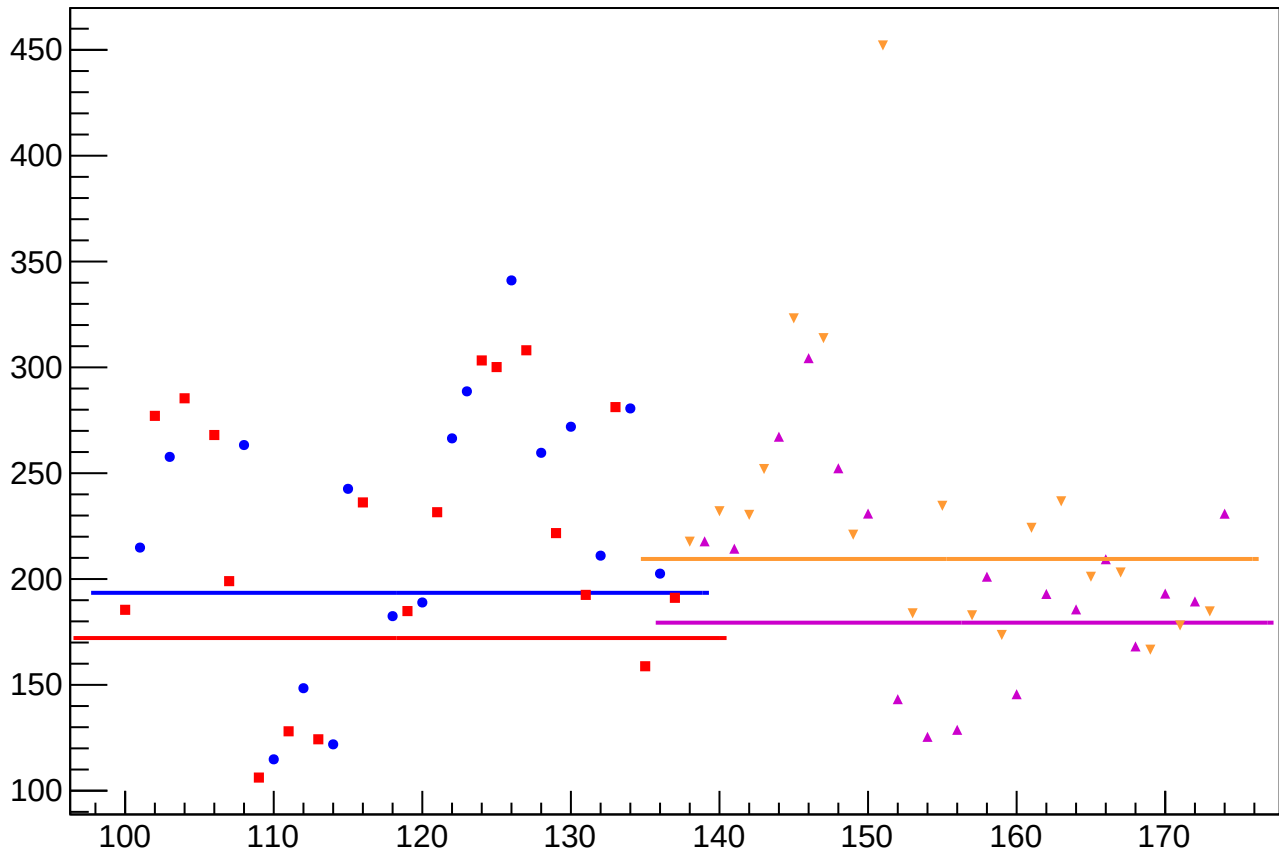
Left In: -29.654+/-50.702 χ^2/NDF : 6.0/17

+ sign 29.296+/-46.561 χ^2/NDF : 13.1/35

All: 2.986+/-30.803 χ^2/NDF : 27.0/72

- sign -17.491+/-41.076 χ^2/NDF : 13.3/36

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 ± 0.056 χ^2/NDF : 1017195.7/16

Left Out: 209.486 ± 0.041 χ^2/NDF : 1213649.3/18

Right Out: 172.122 ± 0.050 χ^2/NDF : 1579840.2/18

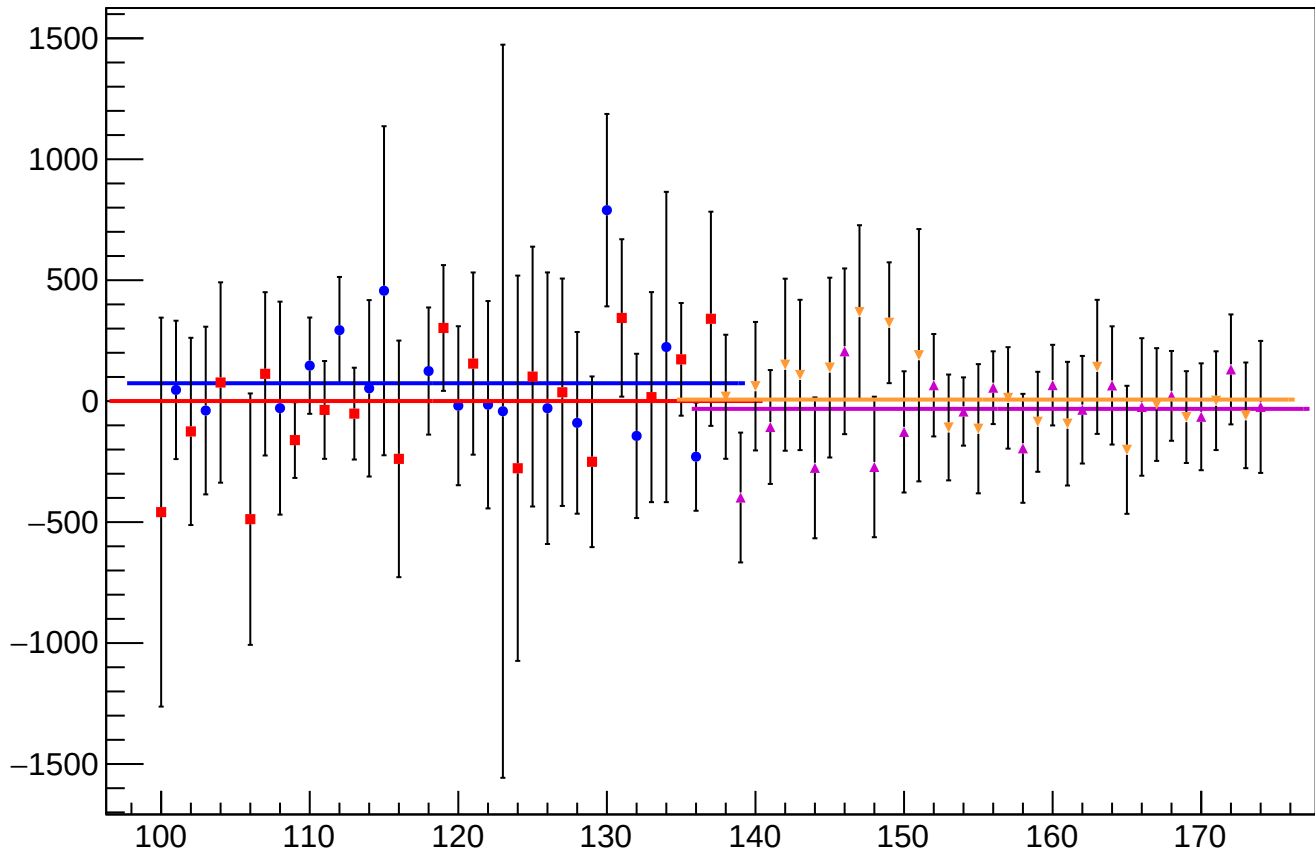
Left In: 179.387 ± 0.036 χ^2/NDF : 1563030.5/17

+ sign 203.931 ± 0.033 χ^2/NDF : 2284360.4/35

All: 188.725 ± 0.022 χ^2/NDF : 5820671.2/72

- sign 176.891 ± 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: 6.554+/-58.009 χ^2/NDF : 5.1/18

Right Out: 0.503+/-70.437 χ^2/NDF : 7.3/18

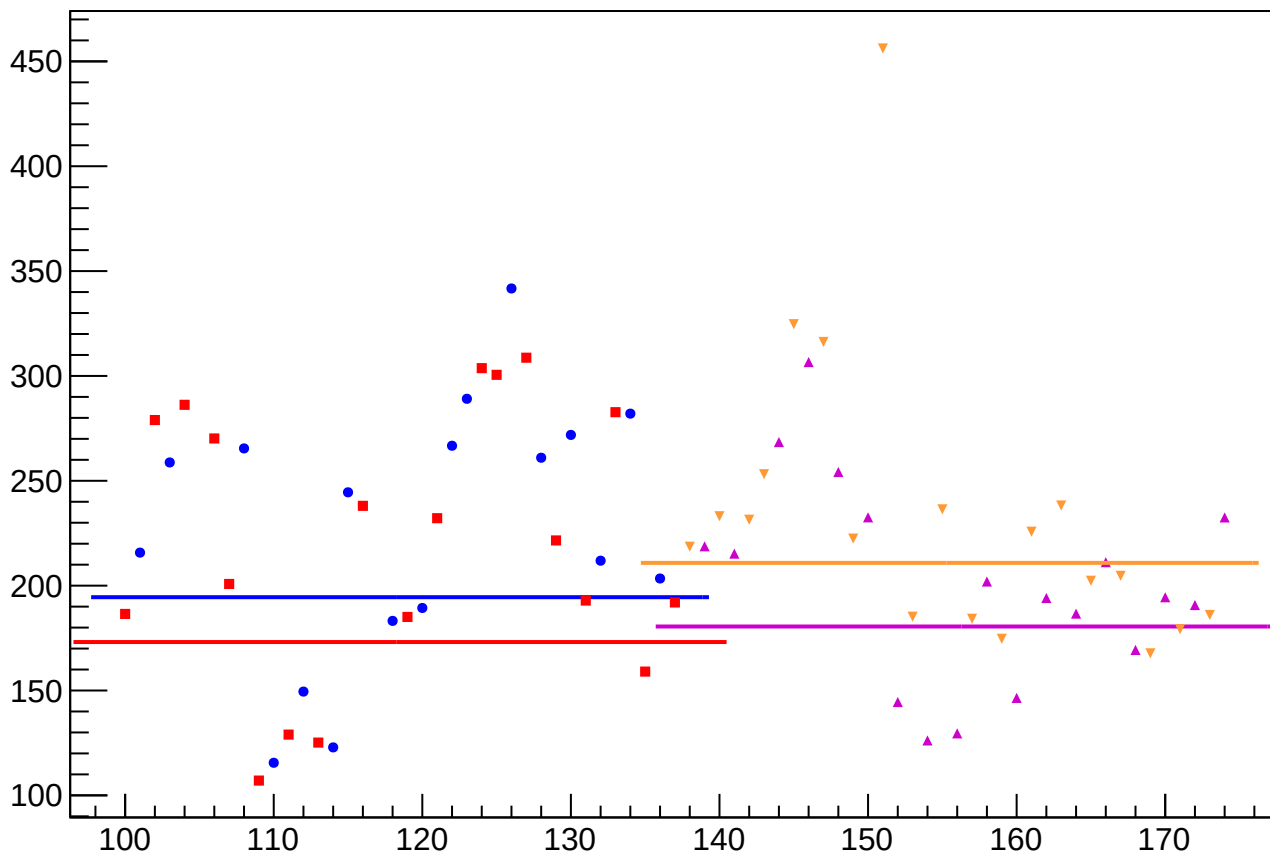
Left In: -31.927+/-51.023 χ^2/NDF : 6.2/17

+ sign 30.058+/-46.841 χ^2/NDF : 13.2/35

All: 1.476+/-30.987 χ^2/NDF : 27.5/72

- 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: 210.864 $\pm$ 0.041 χ^2 /NDF:1212319.9/18

Right Out: 173.111 $\pm$ 0.050 χ^2 /NDF: 1567374.3/18

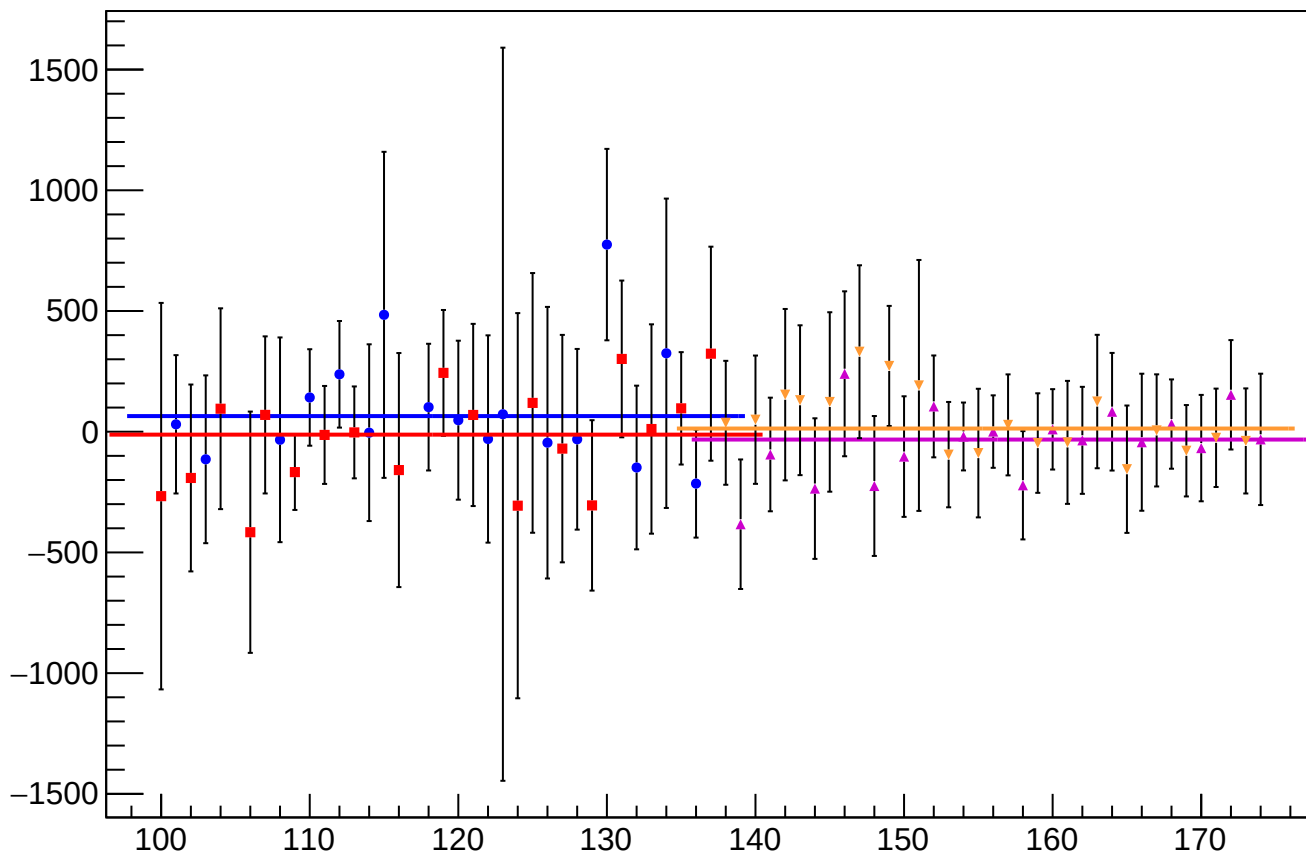
Left In: 180.518 $\pm$ 0.036 χ^2 /NDF:1562315.9/17

+ sign 205.168 $\pm$ 0.033 χ^2 /NDF: 2276244.9/35

All: 189.873 $\pm$ 0.022 χ^2 /NDF: 5799684.2/72

- 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: 13.182 ± 57.872 χ^2/NDF : 3.8/18

Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

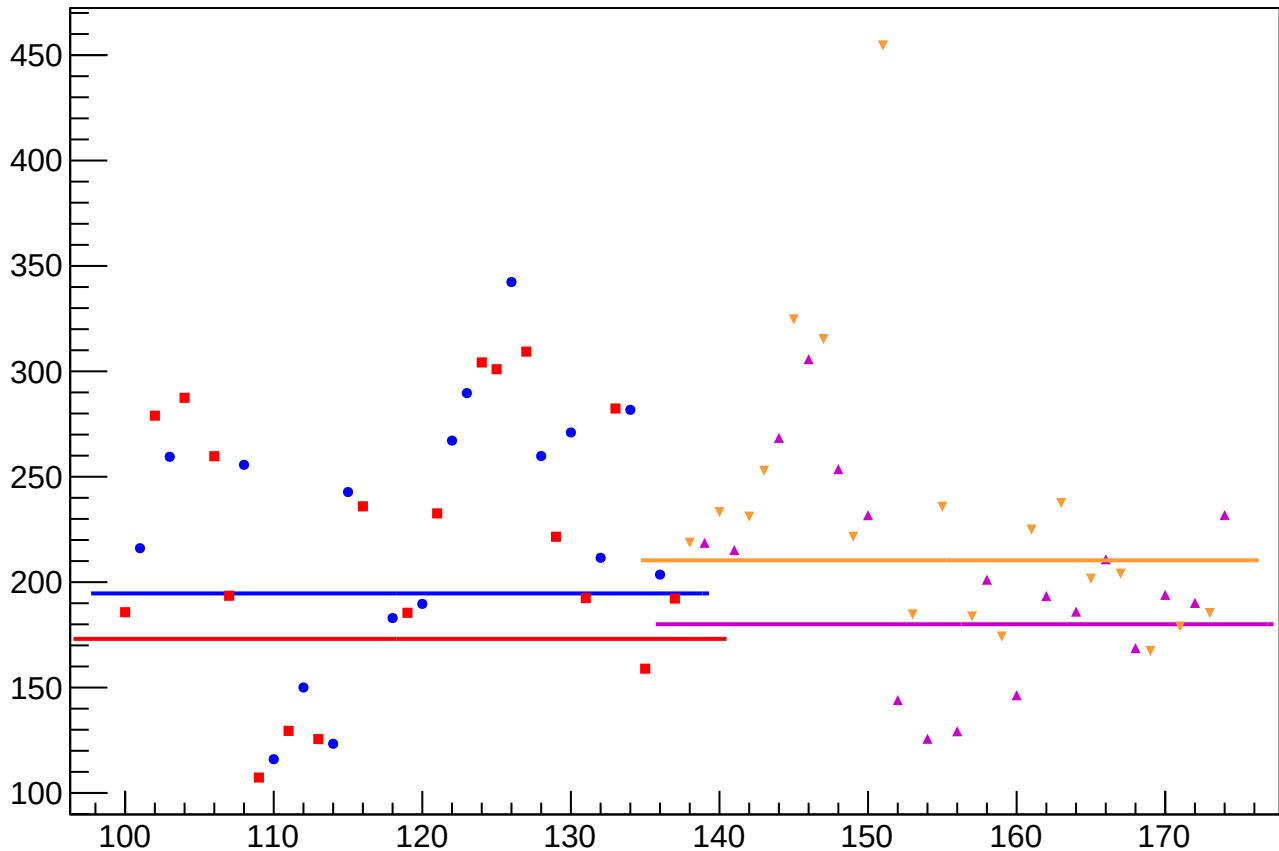
Left In: -32.492 ± 50.889 χ^2/NDF : 5.7/17

+ sign 31.067 ± 46.767 χ^2/NDF : 11.1/35

All: -0.751 ± 30.929 χ^2/NDF : 23.5/72

- 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: 210.360 $\pm$ 0.041 χ^2 /NDF: 1214525.0/18

+ sign 204.910 $\pm$ 0.033 χ^2 /NDF: 2252442.9/35

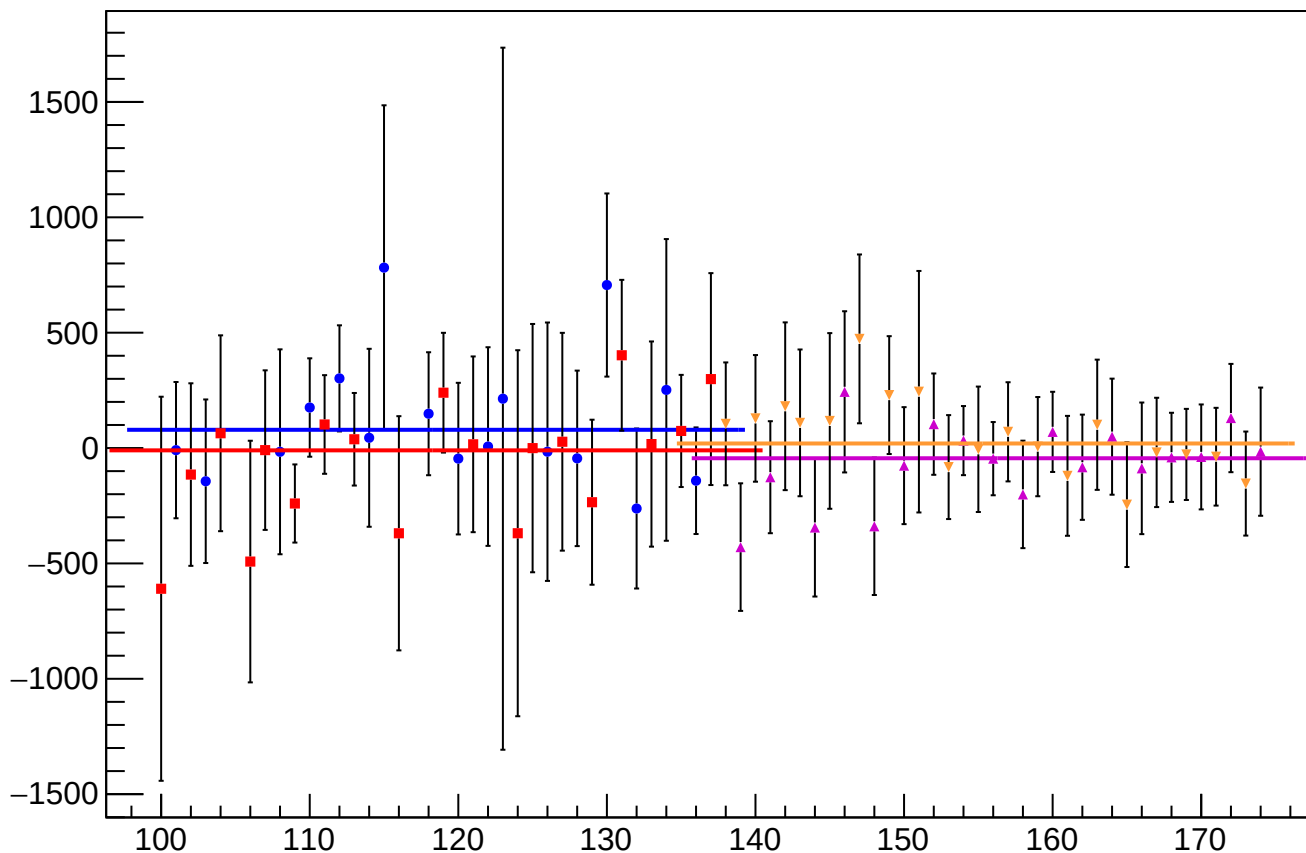
Right Out: 173.089 $\pm$ 0.050 χ^2 /NDF: 1544540.9/18

All: 189.572 $\pm$ 0.022 χ^2 /NDF: 5757825.2/72

Left In: 180.035 $\pm$ 0.036 χ^2 /NDF: 1565721.1/17

- sign 177.649 $\pm$ 0.029 χ^2 /NDF: 3123059.6/36

asym_bcm_dg_us_mean vs Slug



Right In: 79.128 $\pm$ 81.874 χ^2 /NDF: 7.5/16

Left Out: 19.806 $\pm$ 59.632 χ^2 /NDF: 5.4/18

Right Out: -9.982 $\pm$ 73.310 χ^2 /NDF: 7.9/18

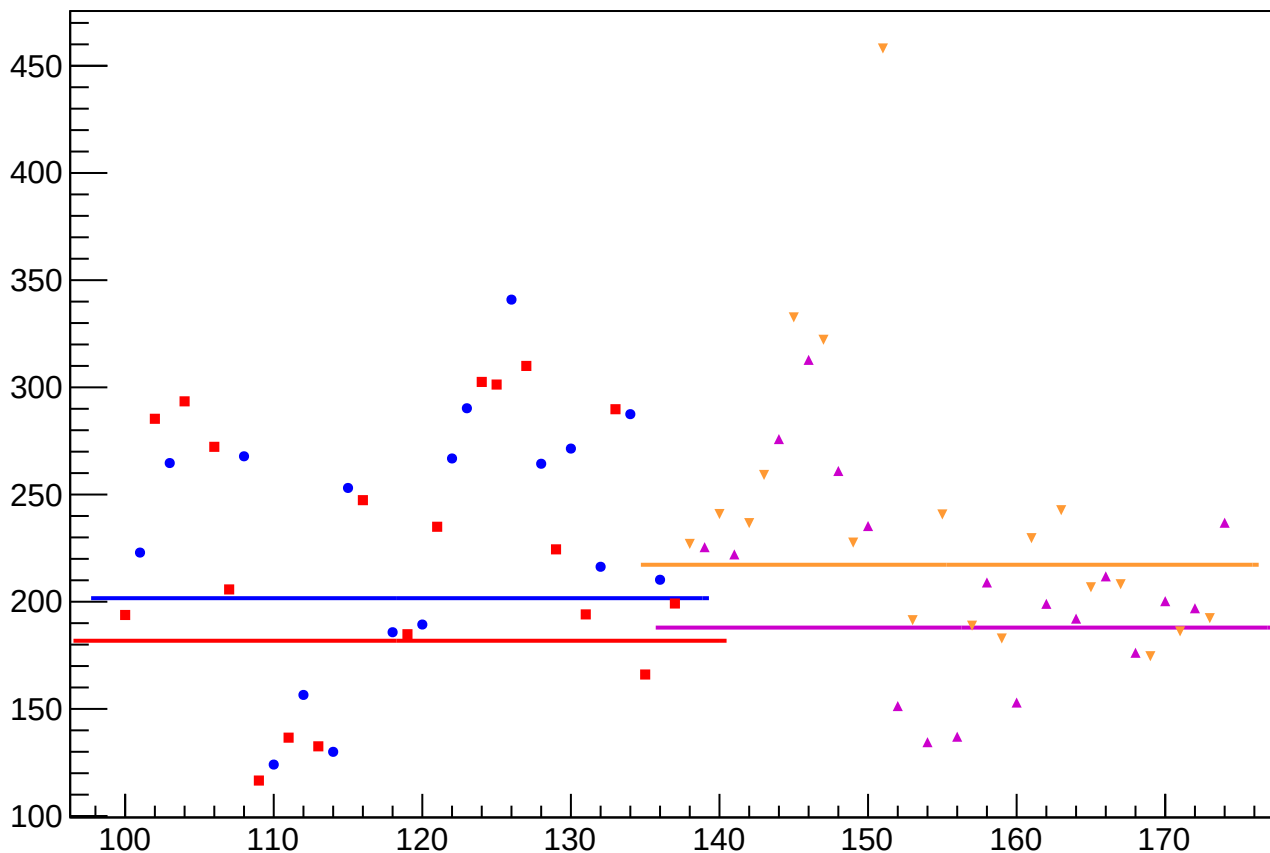
Left In: -44.208 $\pm$ 52.891 χ^2 /NDF: 7.1/17

+ sign 40.368 $\pm$ 48.202 χ^2 /NDF: 13.2/35

All: -0.294 $\pm$ 32.043 χ^2 /NDF: 29.6/72

- sign -32.491 $\pm$ 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: 217.247 $\pm$ 0.042 χ^2 /NDF:1148157.5/18

Right Out: 181.797 $\pm$ 0.052 χ^2 /NDF: 1377449.9/18

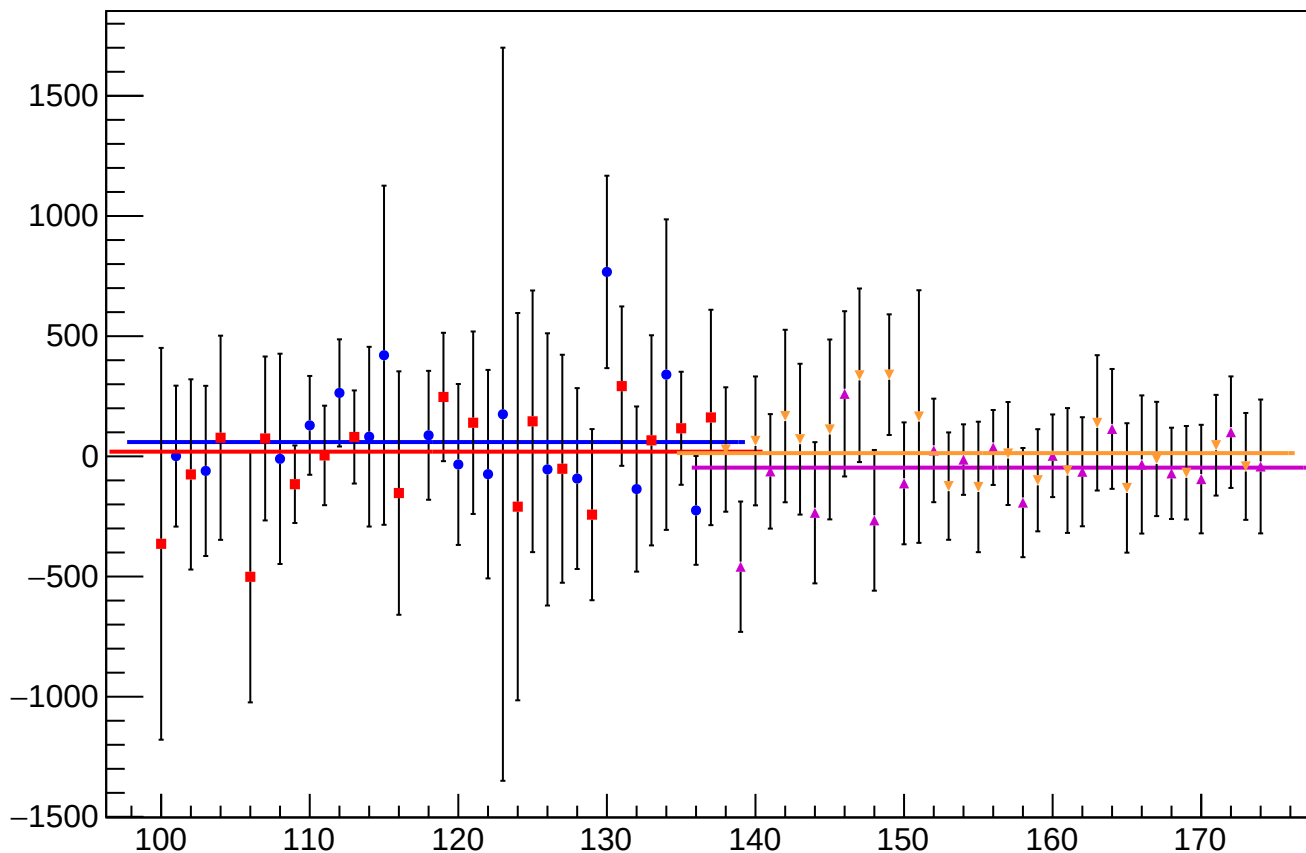
Left In: 187.932 $\pm$ 0.037 χ^2 /NDF:1406127.7/17

+ sign 211.842 $\pm$ 0.034 χ^2 /NDF: 2078735.4/35

All: 197.327 $\pm$ 0.023 χ^2 /NDF: 5196528.0/72

- sign 185.832 $\pm$ 0.030 χ^2 /NDF: 2792788.8/36

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 $\pm$ 80.808 χ^2 /NDF: 7.0/16

Left Out: 13.489 $\pm$ 59.029 χ^2 /NDF: 4.7/18

Right Out: 19.541 $\pm$ 71.866 χ^2 /NDF: 4.7/18

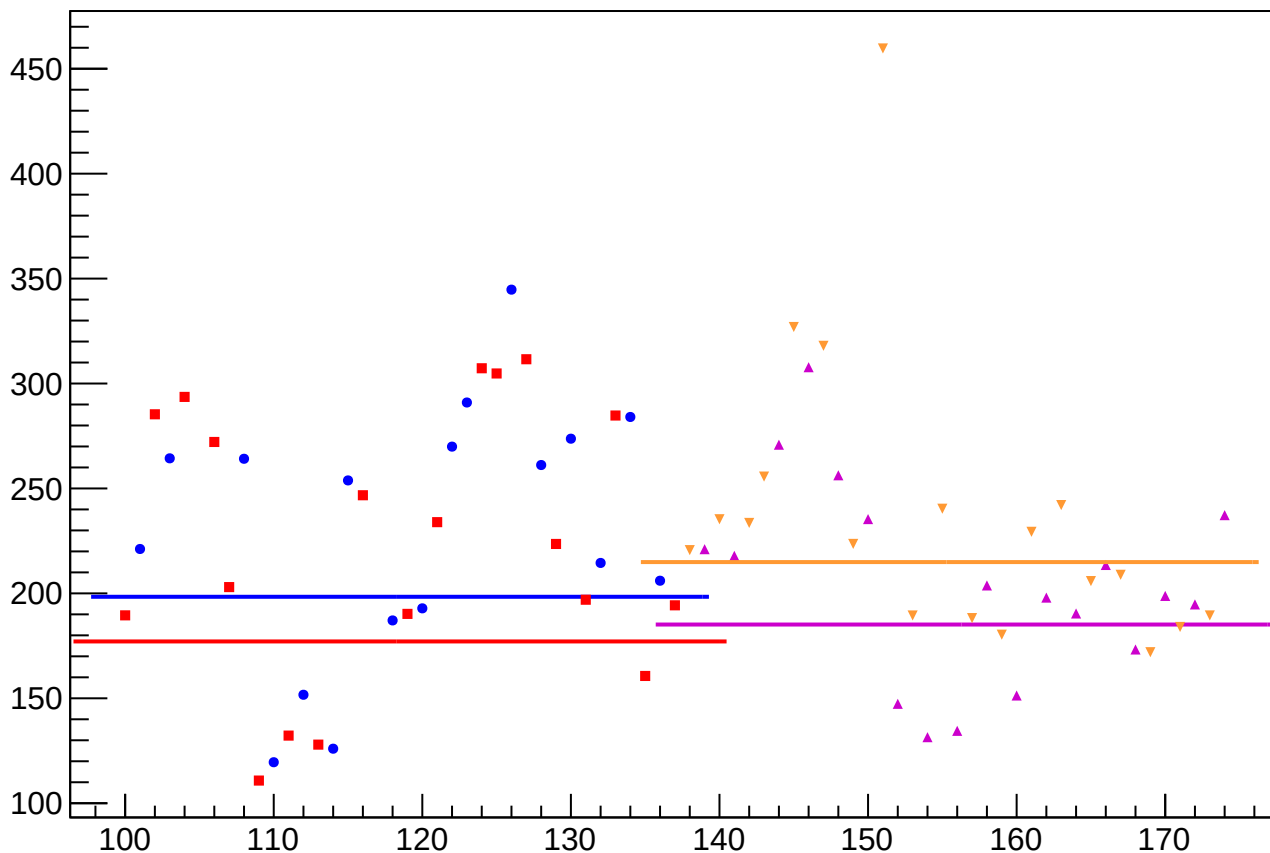
Left In: -46.936 $\pm$ 52.184 χ^2 /NDF: 6.0/17

+ sign 29.496 $\pm$ 47.666 χ^2 /NDF: 11.9/35

All: -0.469 $\pm$ 31.607 χ^2 /NDF: 23.9/72

- sign -23.985 $\pm$ 42.226 χ^2 /NDF: 11.3/36

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378+/-0.057 χ^2/NDF : 963672.6/16

Left Out: 214.914+/-0.042 χ^2/NDF : 1153111.6/18

Right Out: 177.096+/-0.051 χ^2/NDF : 1524763.6/18

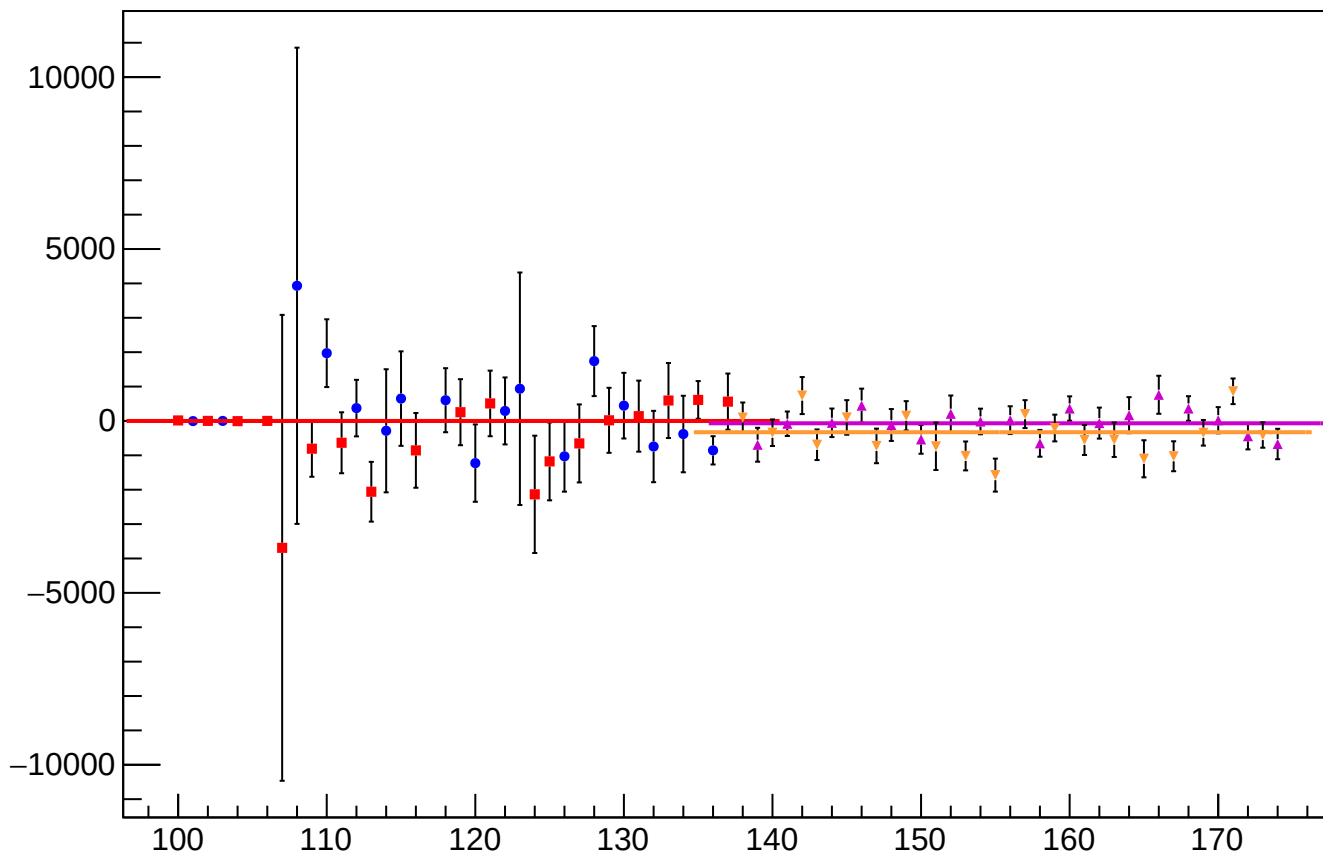
Left In: 185.155+/-0.037 χ^2/NDF : 1440418.0/17

+ sign 209.161+/-0.034 χ^2/NDF : 2171392.9/35

All: 194.152+/-0.022 χ^2/NDF : 5506965.4/72

- sign 182.373+/-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: -328.018 ± 100.905 χ^2/NDF : 35.0/18

Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

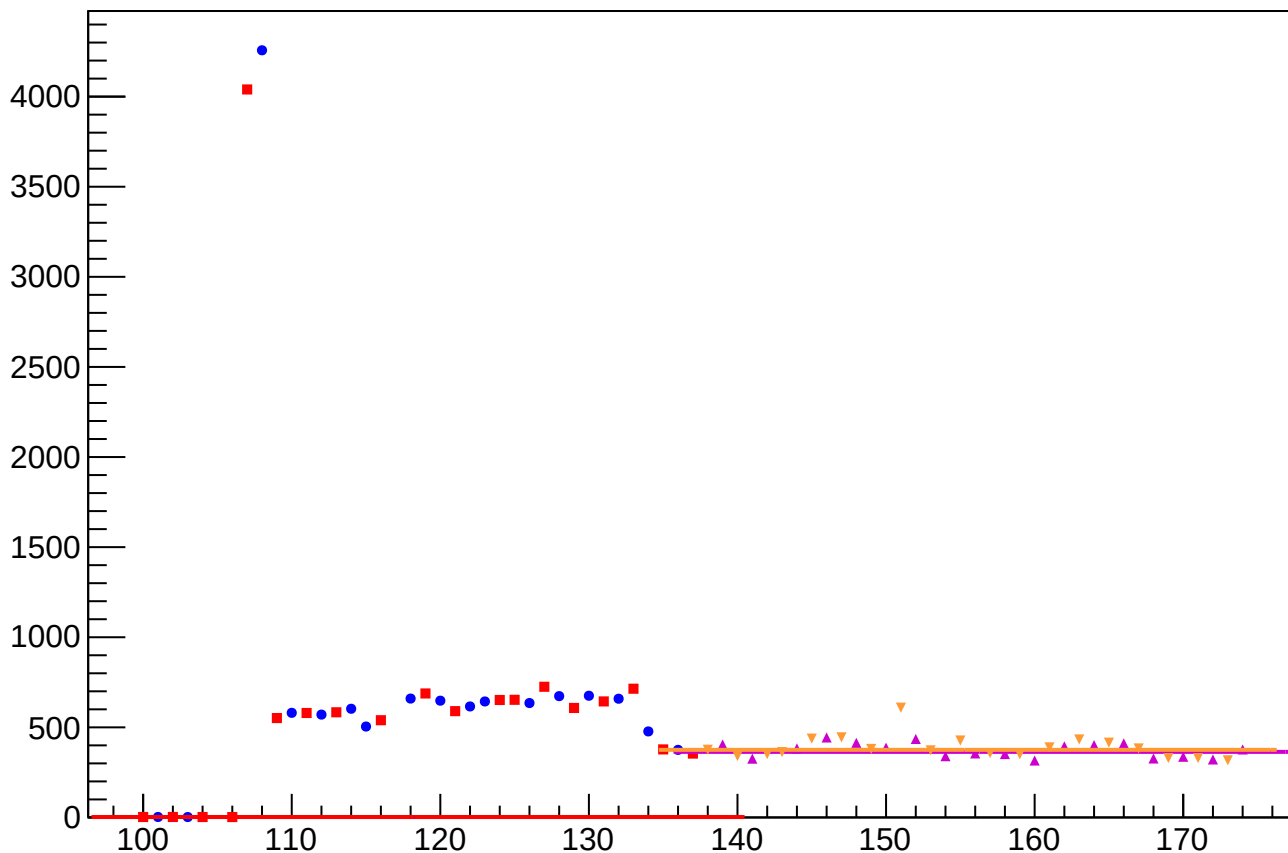
Left In: -68.155 ± 98.991 χ^2/NDF : 14.7/17

+ sign -1.692 ± 2.251 χ^2/NDF : 62.5/35

All: -1.195 ± 1.540 χ^2/NDF : 97.1/72

- 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: 375.206+/-0.071 χ^2/NDF : 505195.3/18

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

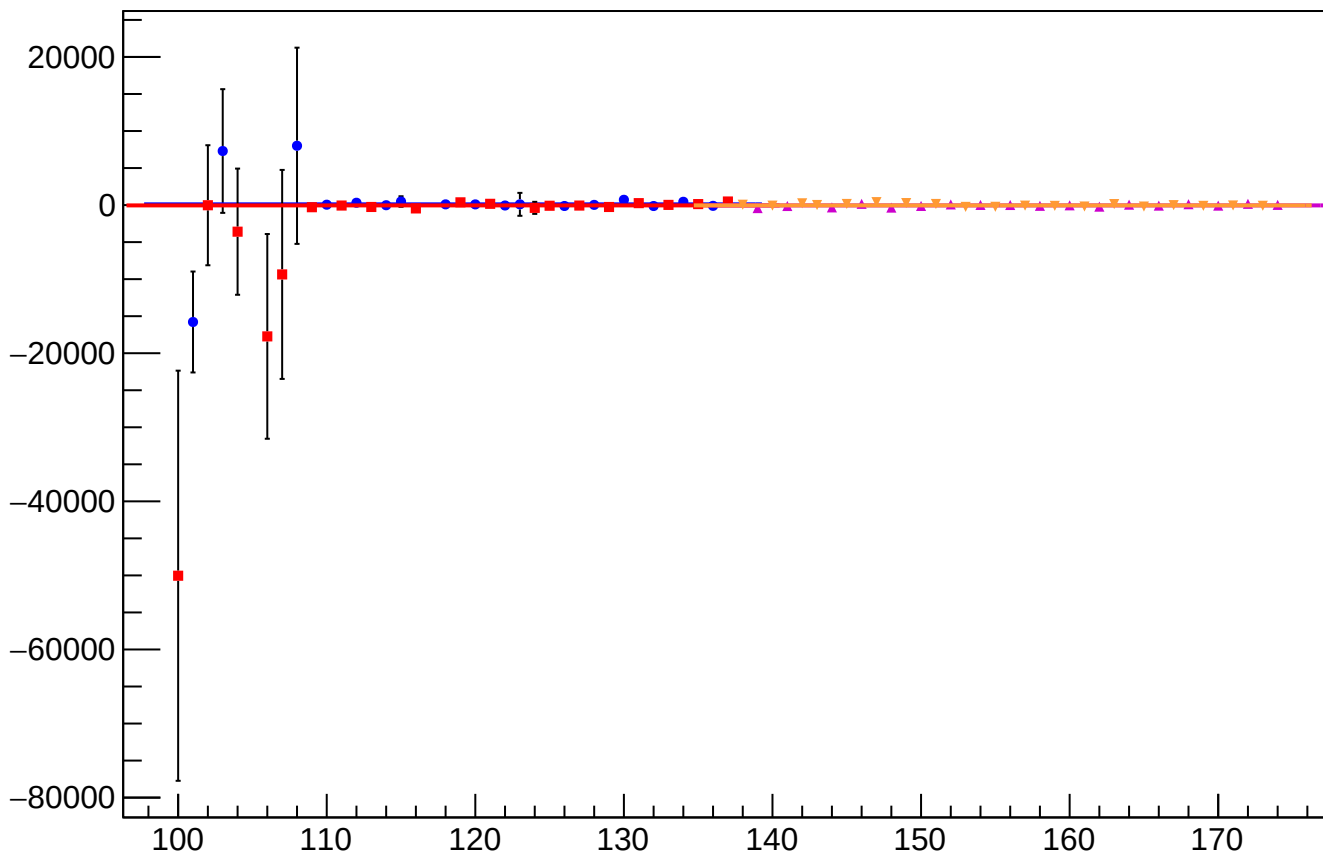
Left In: 363.933+/-0.070 χ^2/NDF : 297793.9/17

+ sign 2.642+/-0.002 χ^2/NDF : 38631352.1/35

All: 2.620+/-0.001 χ^2/NDF : 76736161.0/72

- sign 2.601+/-0.001 χ^2/NDF : 38104454.8/36

asym_cav4cQ_mean vs Slug



Right In: 98.643 $\pm$ 90.860 χ^2 /NDF: 11.9/16

Left Out: -39.835 $\pm$ 61.544 χ^2 /NDF: 6.1/18

Right Out: -42.302 $\pm$ 84.496 χ^2 /NDF: 13.9/18

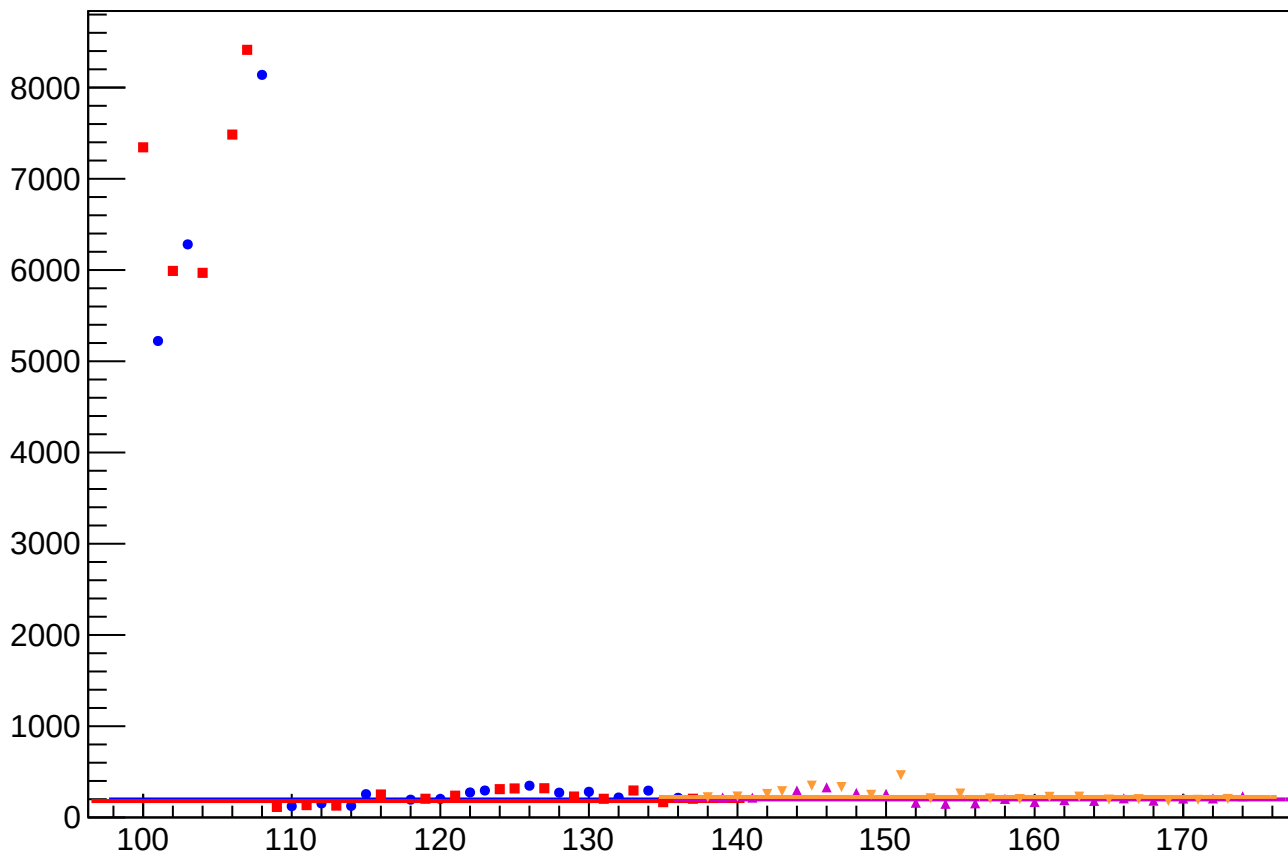
Left In: -41.958 $\pm$ 55.225 χ^2 /NDF: 6.8/17

+ sign 3.717 $\pm$ 50.955 χ^2 /NDF: 19.6/35

All: -21.394 $\pm$ 34.237 χ^2 /NDF: 40.8/72

- sign -42.061 $\pm$ 46.227 χ^2 /NDF: 20.7/36

asym_cav4cQ_rms vs Slug



Right In: 197.086 $\pm$ 0.064 χ^2 /NDF: 3693614.0/16

Left Out: 224.543 $\pm$ 0.044 χ^2 /NDF: 1126200.5/18

Right Out: 179.949 $\pm$ 0.060 χ^2 /NDF: 4321173.8/18

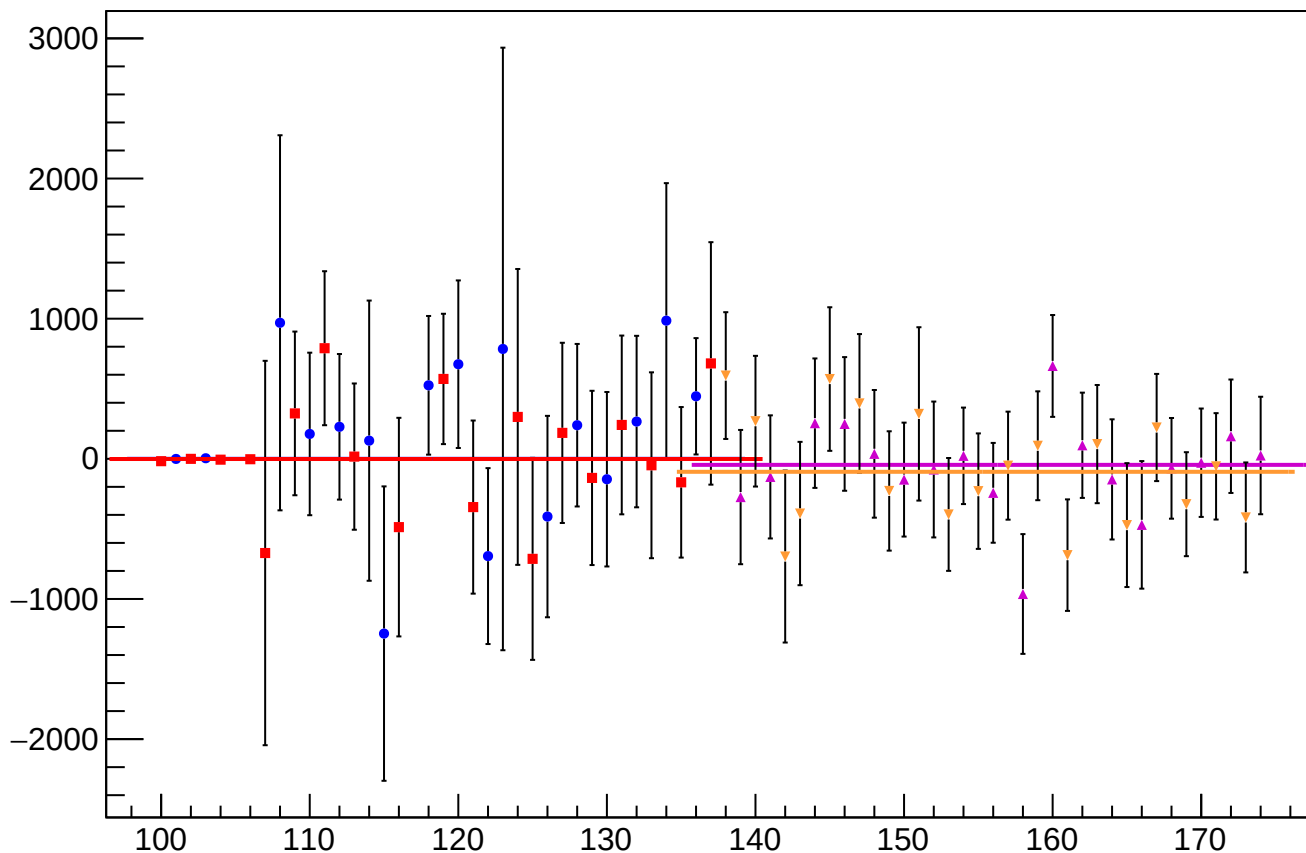
Left In: 197.536 $\pm$ 0.039 χ^2 /NDF: 1114281.9/17

+ sign 215.907 $\pm$ 0.036 χ^2 /NDF: 4945013.9/35

All: 202.943 $\pm$ 0.024 χ^2 /NDF: 10677211.2/72

- sign 192.272 $\pm$ 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: -92.629 ± 99.008 χ^2/NDF : 13.3/18

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

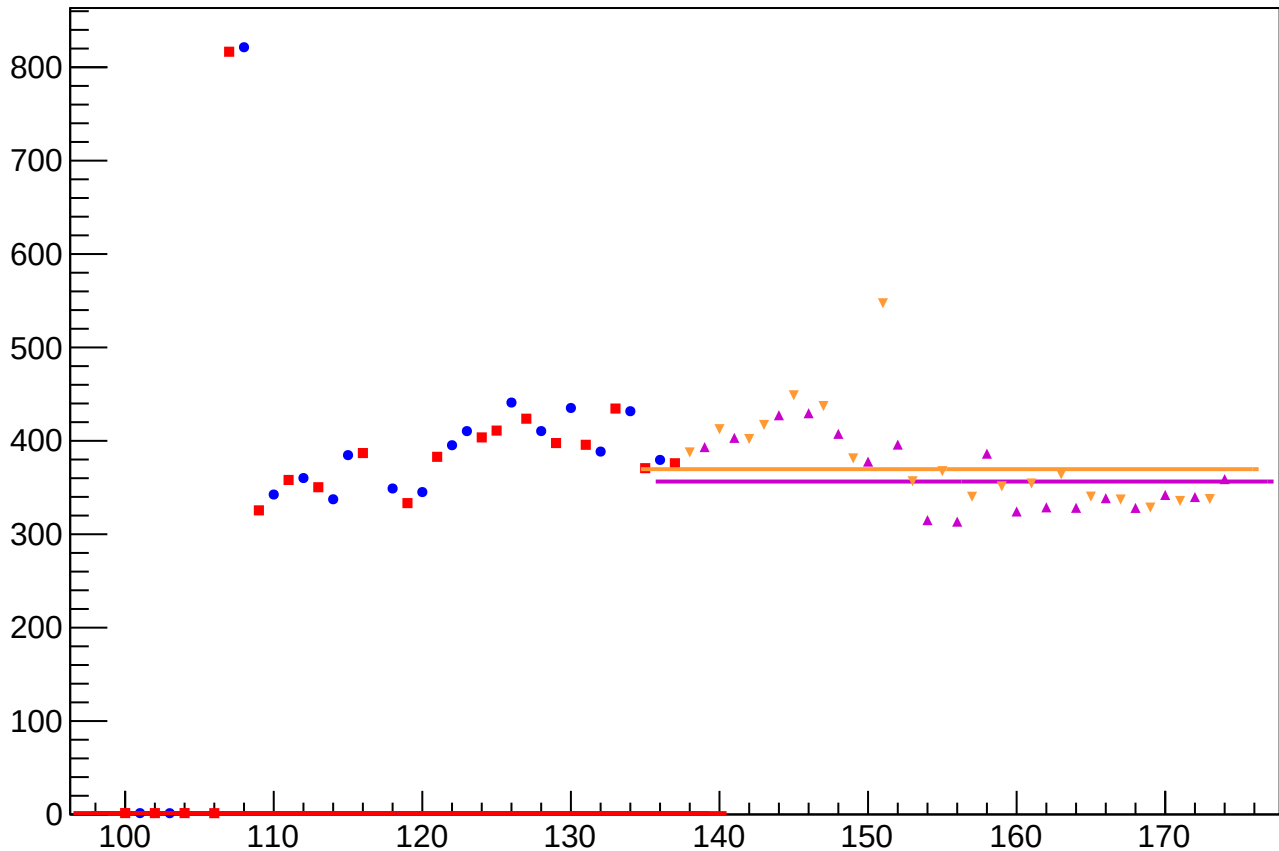
Left In: -43.094 ± 96.800 χ^2/NDF : 11.3/17

+ sign -0.166 ± 1.736 χ^2/NDF : 23.9/35

All: -0.790 ± 1.185 χ^2/NDF : 45.2/72

- sign -1.335 ± 1.622 χ^2/NDF : 21.1/36

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 369.663+/-0.070 χ^2/NDF : 393097.4/18

Right Out: 1.451+/-0.001 χ^2/NDF : 10880737.7/18

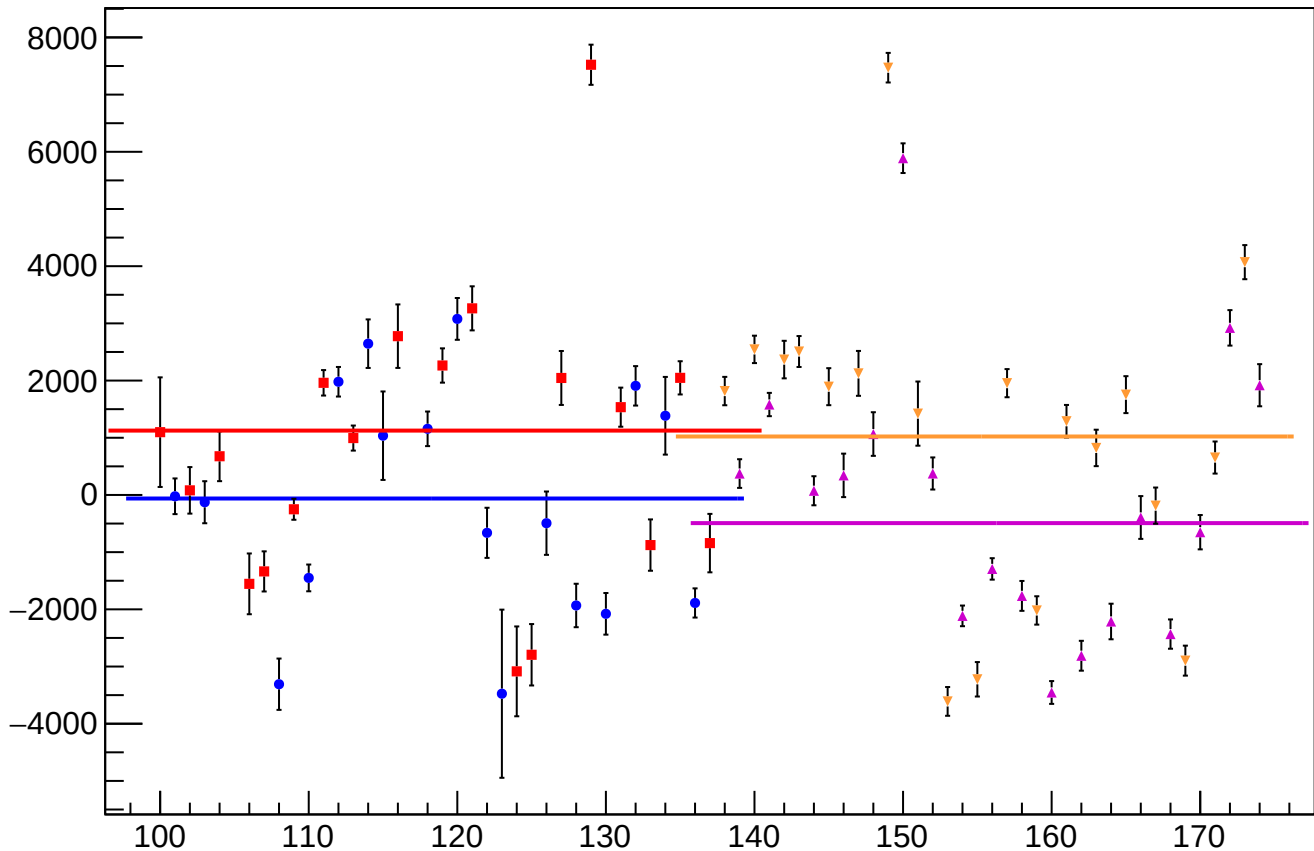
Left In: 356.426+/-0.068 χ^2/NDF : 297040.9/17

+ sign 1.566+/-0.001 χ^2/NDF : 39004673.3/35

All: 1.558+/-0.001 χ^2/NDF : 77070310.8/72

- sign 1.551+/-0.001 χ^2/NDF : 38065554.5/36

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 1022.266 ± 65.849 χ^2/NDF : 1788.0/18

Right Out: 1125.437 ± 78.370 χ^2/NDF : 671.2/18

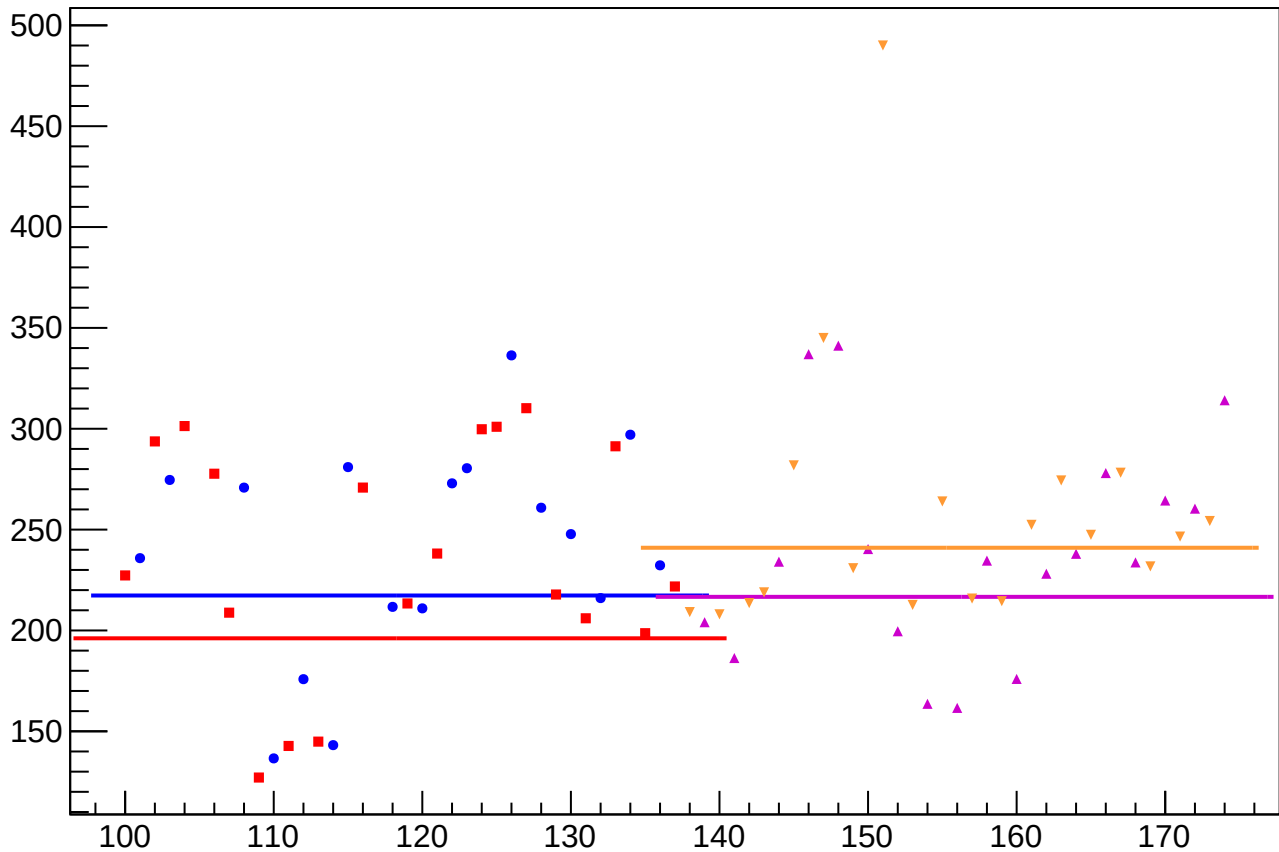
Left In: -492.278 ± 60.634 χ^2/NDF : 1430.7/17

+ sign 629.732 ± 52.598 χ^2/NDF : 2320.1/35

All: 347.828 ± 35.438 χ^2/NDF : 4741.1/72

- 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: 241.005 $\pm$ 0.047 χ^2 /NDF: 809327.9/18

Right Out: 196.105 $\pm$ 0.055 χ^2 /NDF: 1190733.6/18

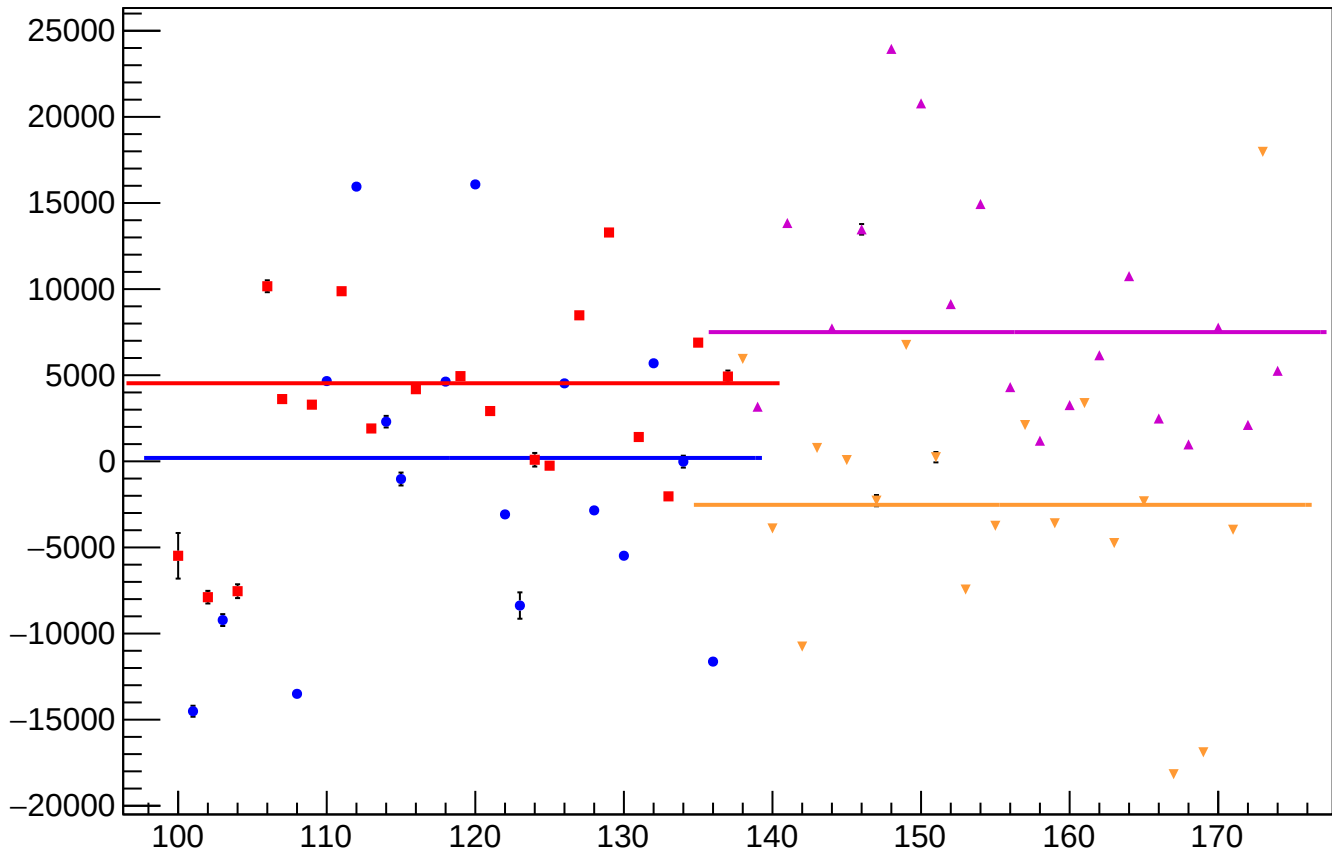
Left In: 216.666 $\pm$ 0.043 χ^2 /NDF: 1240110.3/17

+ sign 232.435 $\pm$ 0.037 χ^2 /NDF: 1555630.0/35

All: 219.620 $\pm$ 0.025 χ^2 /NDF: 4290004.0/72

- sign 208.967 $\pm$ 0.034 χ^2 /NDF: 2516956.3/36

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 $\pm$ 54.799 χ^2 /NDF: 30658.3/16

Left Out: -2525.898 $\pm$ 45.950 χ^2 /NDF:29751.6/18

Right Out: 4534.200 $\pm$ 52.462 χ^2 /NDF: 7477.2/18

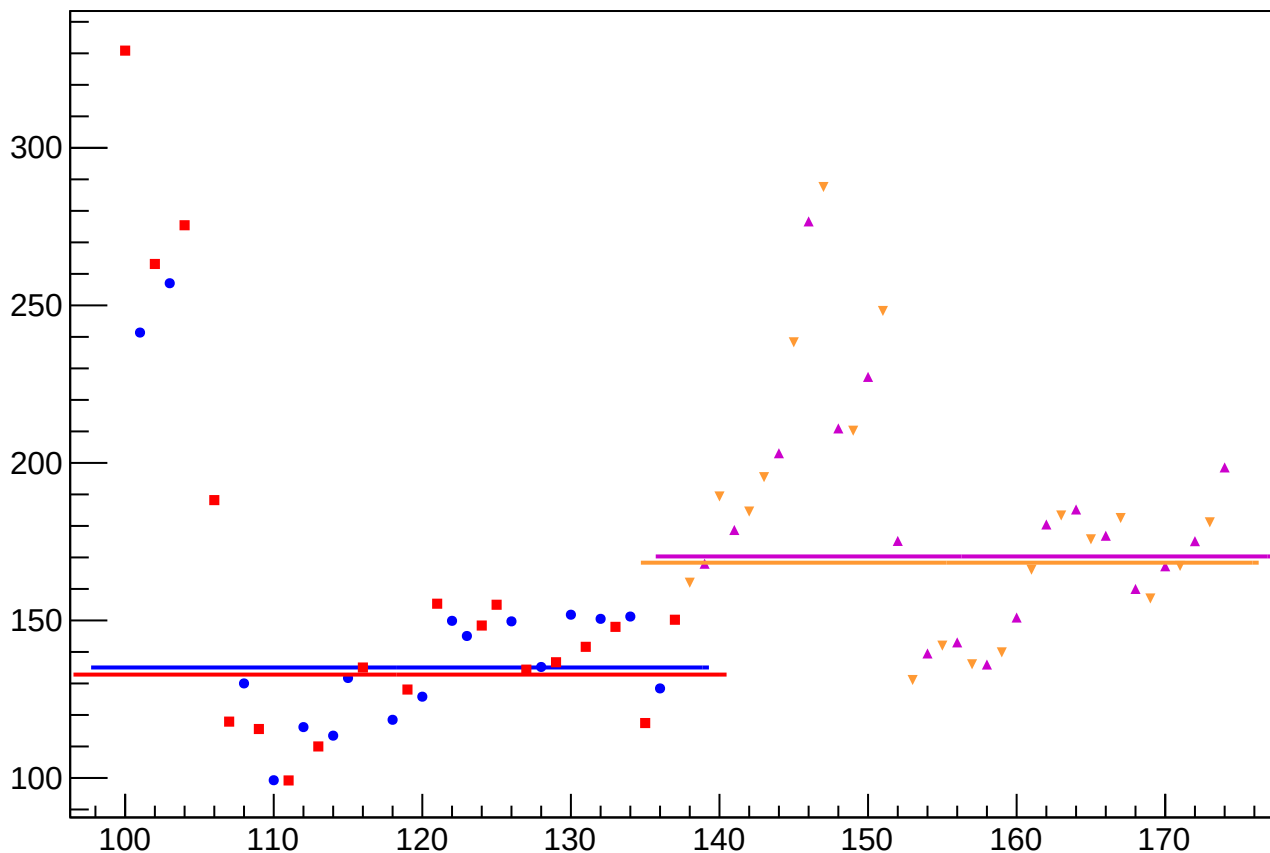
Left In: 7503.576 $\pm$ 47.096 χ^2 /NDF:17289.1/17

+ sign -1401.752 $\pm$ 35.210 χ^2 /NDF: 61859.6/35

All: 2406.062 $\pm$ 24.839 χ^2 /NDF: 111682.5/72

- sign 6178.466 $\pm$ 35.046 χ^2 /NDF: 26540.4/36

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 168.335 $\pm$ 0.032 χ^2 /NDF: 1028551.6/18

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

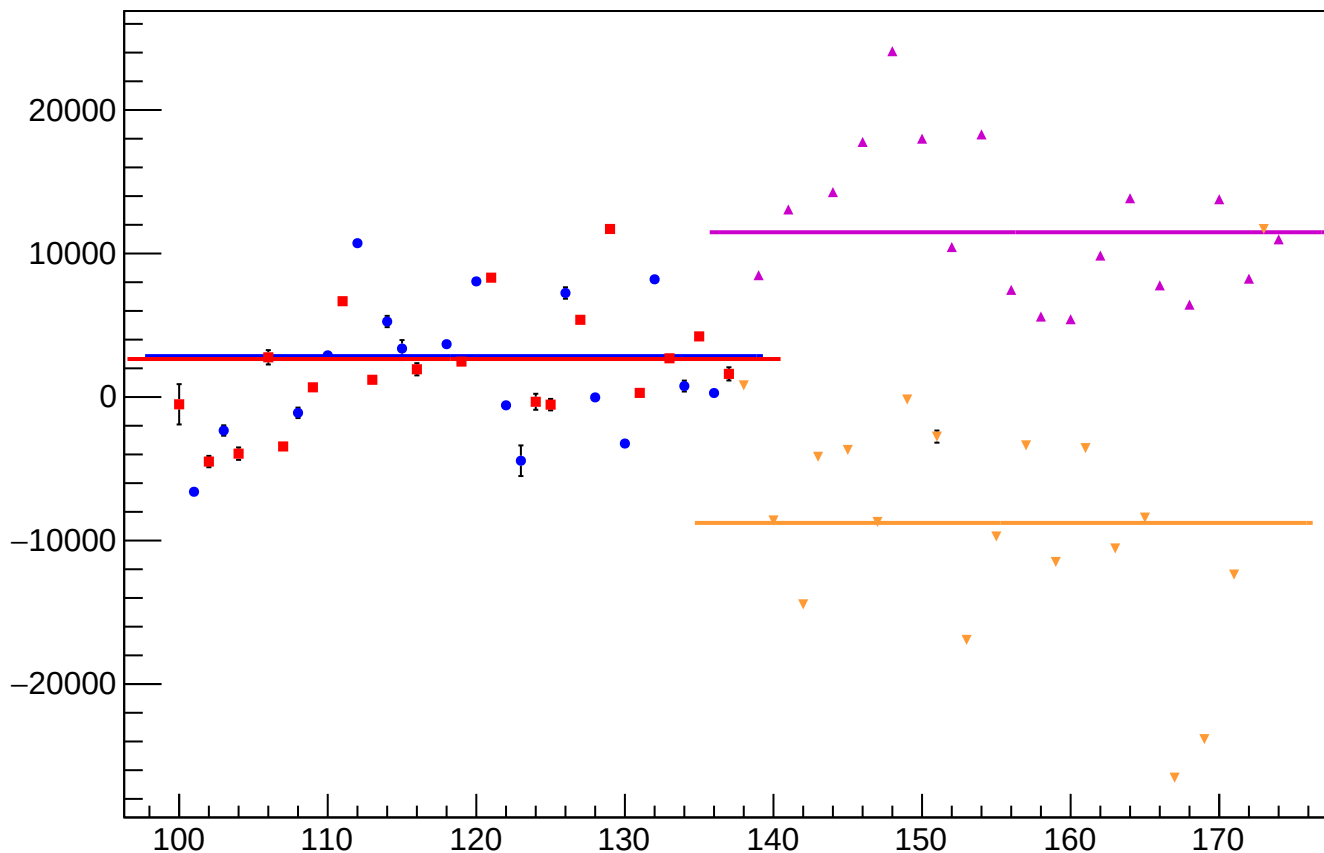
Left In: 170.315 $\pm$ 0.033 χ^2 /NDF: 769336.1/17

+ sign 154.602 $\pm$ 0.025 χ^2 /NDF: 2119935.7/35

All: 154.089 $\pm$ 0.018 χ^2 /NDF: 4287143.4/72

- sign 153.581 $\pm$ 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: -8770.420+/-51.770 χ^2/NDF :29644.1/18

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

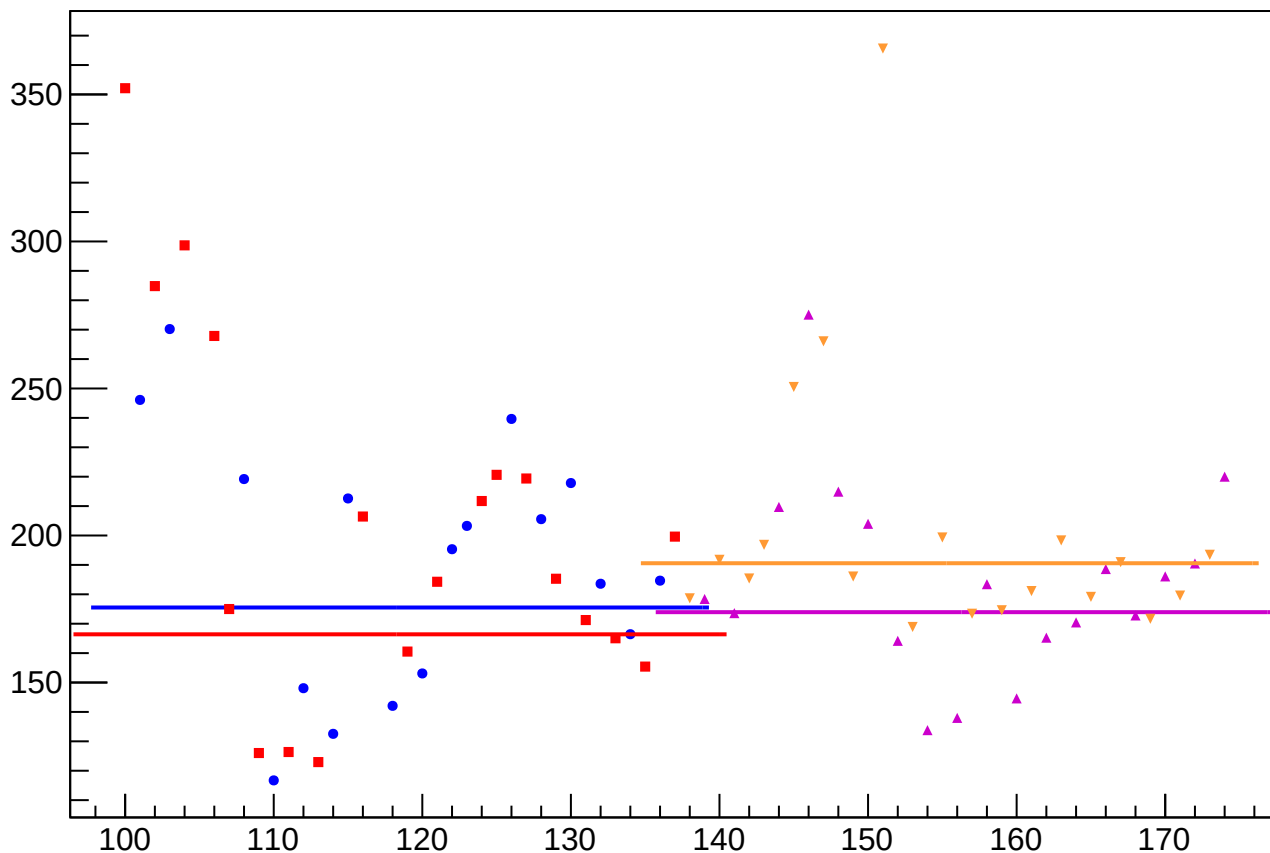
Left In: 11482.198+/-48.179 χ^2/NDF :10807.9/17

+ sign -4717.883+/-41.780 χ^2/NDF : 51394.9/35

All: 2313.216+/-28.454 χ^2/NDF : 129944.0/72

- sign 8395.179+/-38.858 χ^2/NDF : 25731.0/36

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 190.569+/-0.037 χ^2/NDF : 656496.3/18

Right Out: 166.393+/-0.046 χ^2/NDF : 929534.5/18

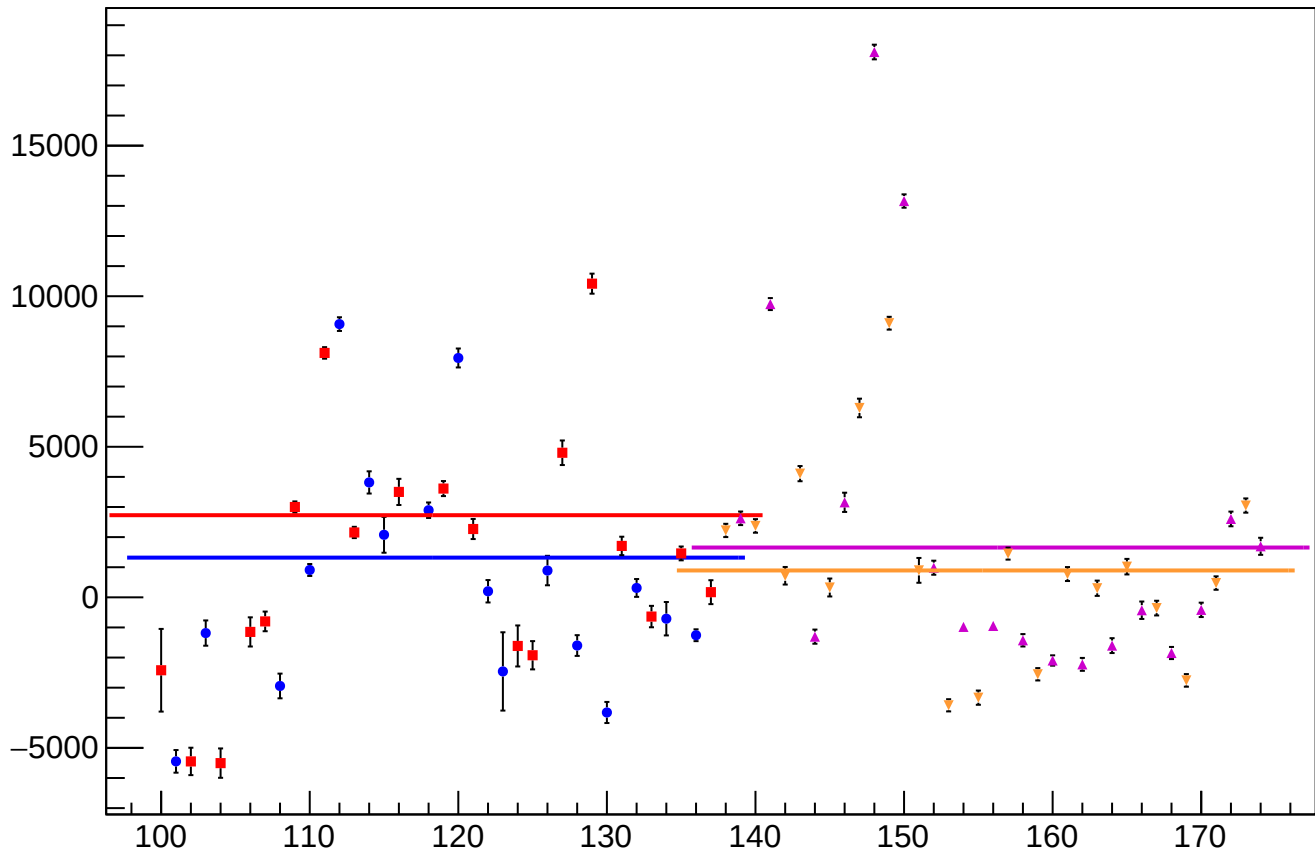
Left In: 173.928+/-0.034 χ^2/NDF : 776592.7/17

+ sign 185.319+/-0.030 χ^2/NDF : 1405111.3/35

All: 177.799+/-0.020 χ^2/NDF : 3249169.1/72

- sign 171.295+/-0.027 χ^2/NDF : 1723225.3/36

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 $\pm$ 77.146 χ^2 /NDF: 2667.0/16

Left Out: 892.609 $\pm$ 54.632 χ^2 /NDF:3554.6/18

Right Out: 2727.798 $\pm$ 70.029 χ^2 /NDF: 2495.9/18

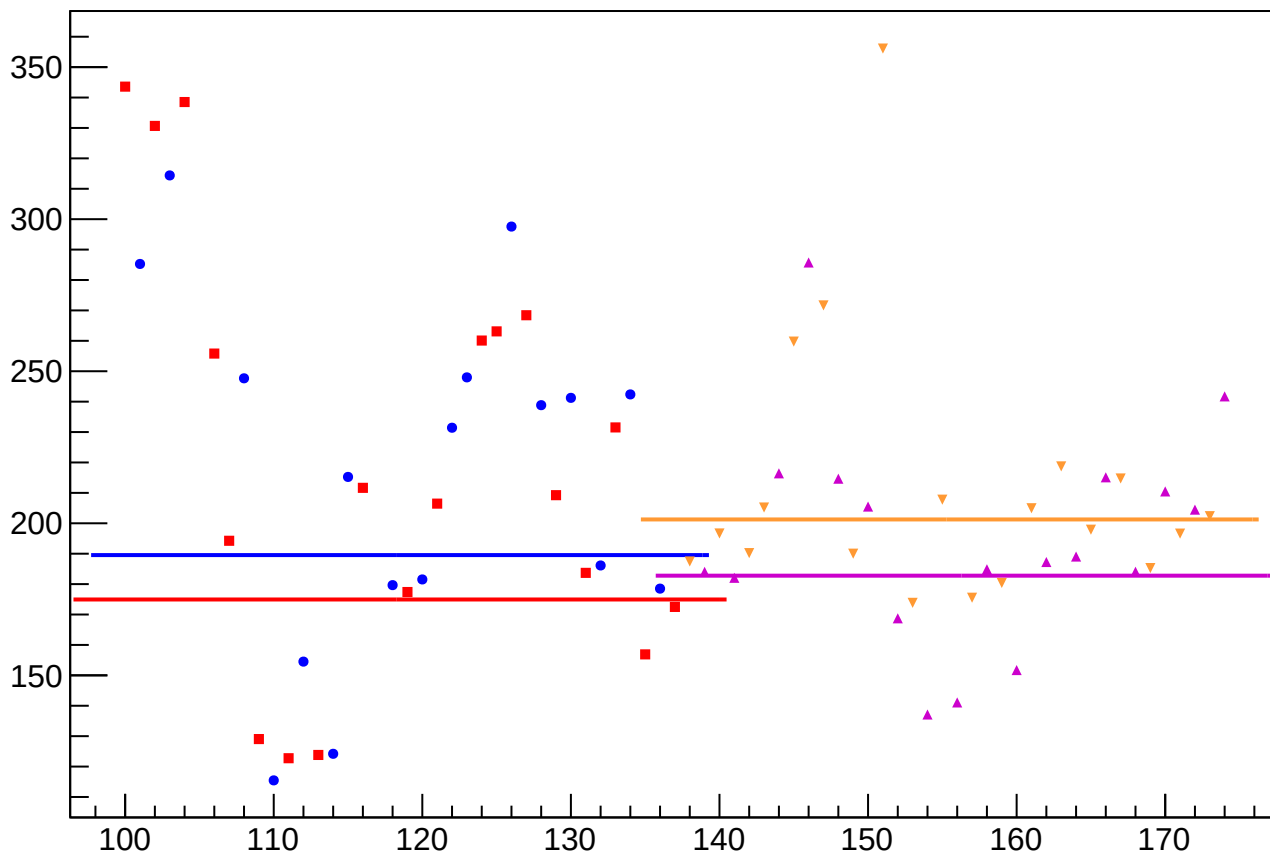
Left In: 1653.949 $\pm$ 50.720 χ^2 /NDF:11302.8/17

+ sign 1035.026 $\pm$ 44.584 χ^2 /NDF: 6242.0/35

All: 1569.625 $\pm$ 30.210 χ^2 /NDF: 20460.8/72

- sign 2023.439 $\pm$ 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: 201.262 $\pm$ 0.039 χ^2 /NDF: 601891.9/18

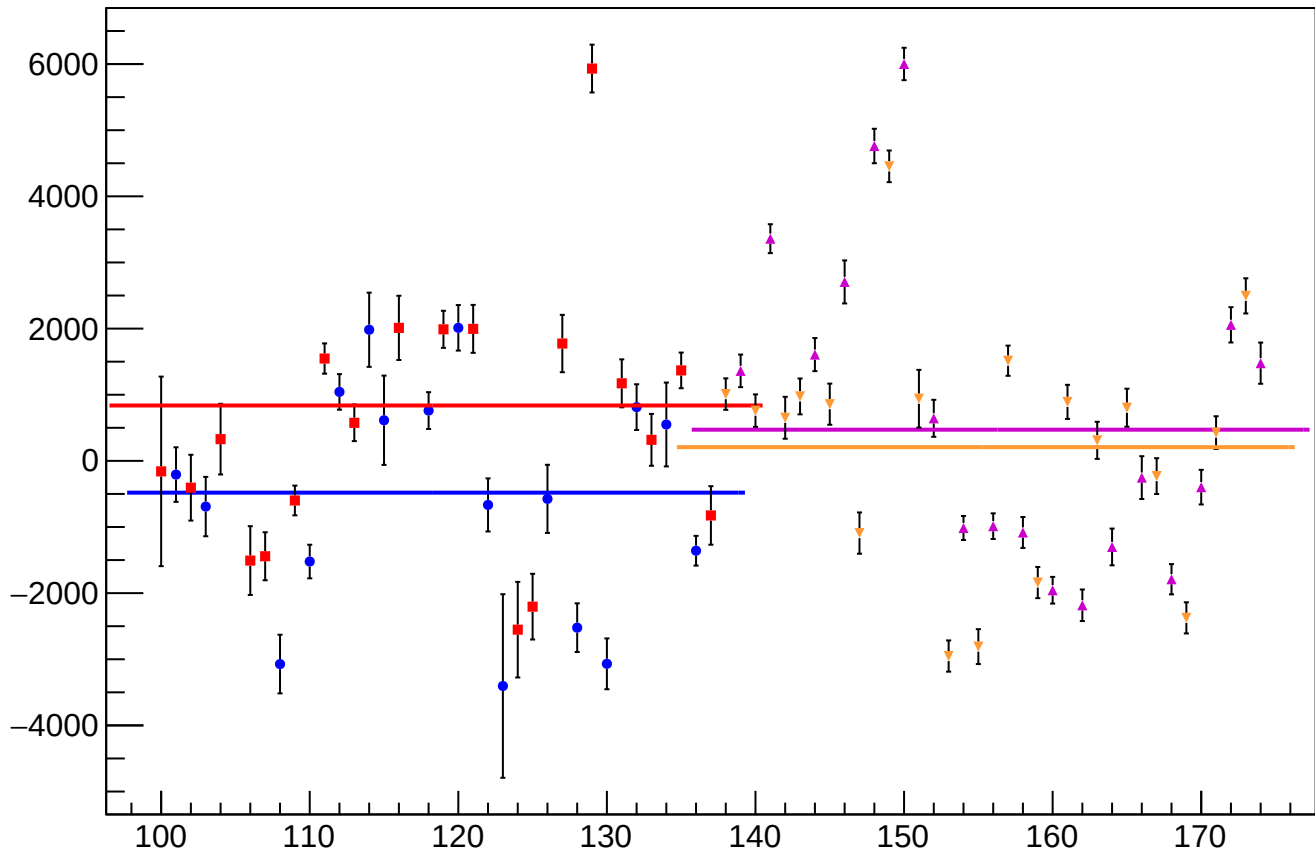
Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

Left In: 182.774 $\pm$ 0.036 χ^2 /NDF: 846531.0/17

+ sign 197.348 $\pm$ 0.032 χ^2 /NDF: 1613366.1/35

All: 188.009 $\pm$ 0.021 χ^2 /NDF: 3935683.4/72

- sign 180.080 $\pm$ 0.029 χ^2 /NDF: 2160040.6/36



Right In: -480.578 ± 88.640 $\chi^2/\text{NDF}: 290.7/16$

Left Out: 207.390 ± 60.567 $\chi^2/\text{NDF}: 992.7/18$

Right Out: 837.442 ± 82.243 $\chi^2/\text{NDF}: 435.3/18$

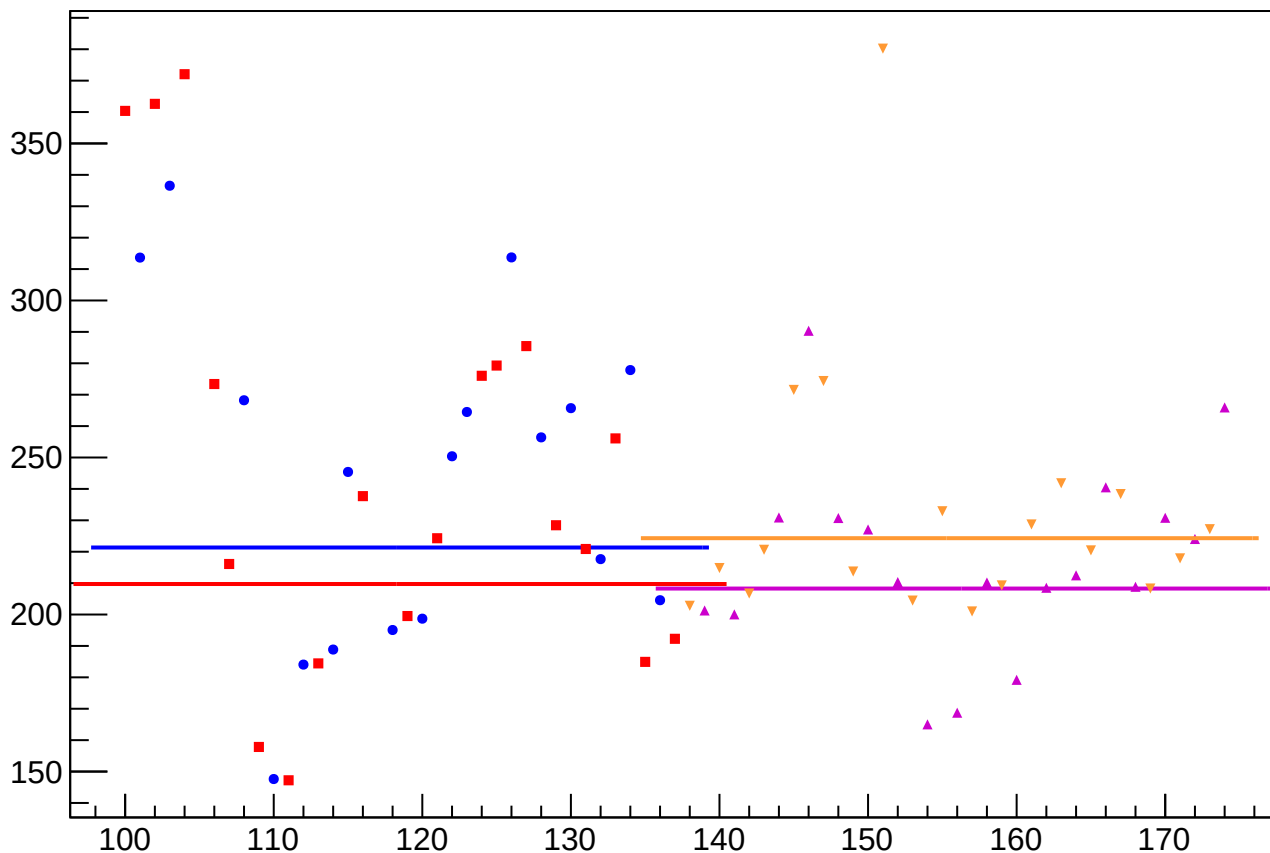
Left In: 471.622 ± 57.258 $\chi^2/\text{NDF}: 1673.4/17$

+ sign -11.580 ± 50.008 $\chi^2/\text{NDF}: 1324.5/35$

All: 308.459 ± 34.245 $\chi^2/\text{NDF}: 3523.6/72$

- sign 591.049 ± 46.991 $\chi^2/\text{NDF}: 2122.0/36$

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 224.309 $\pm$ 0.043 χ^2 /NDF: 452907.3/18

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

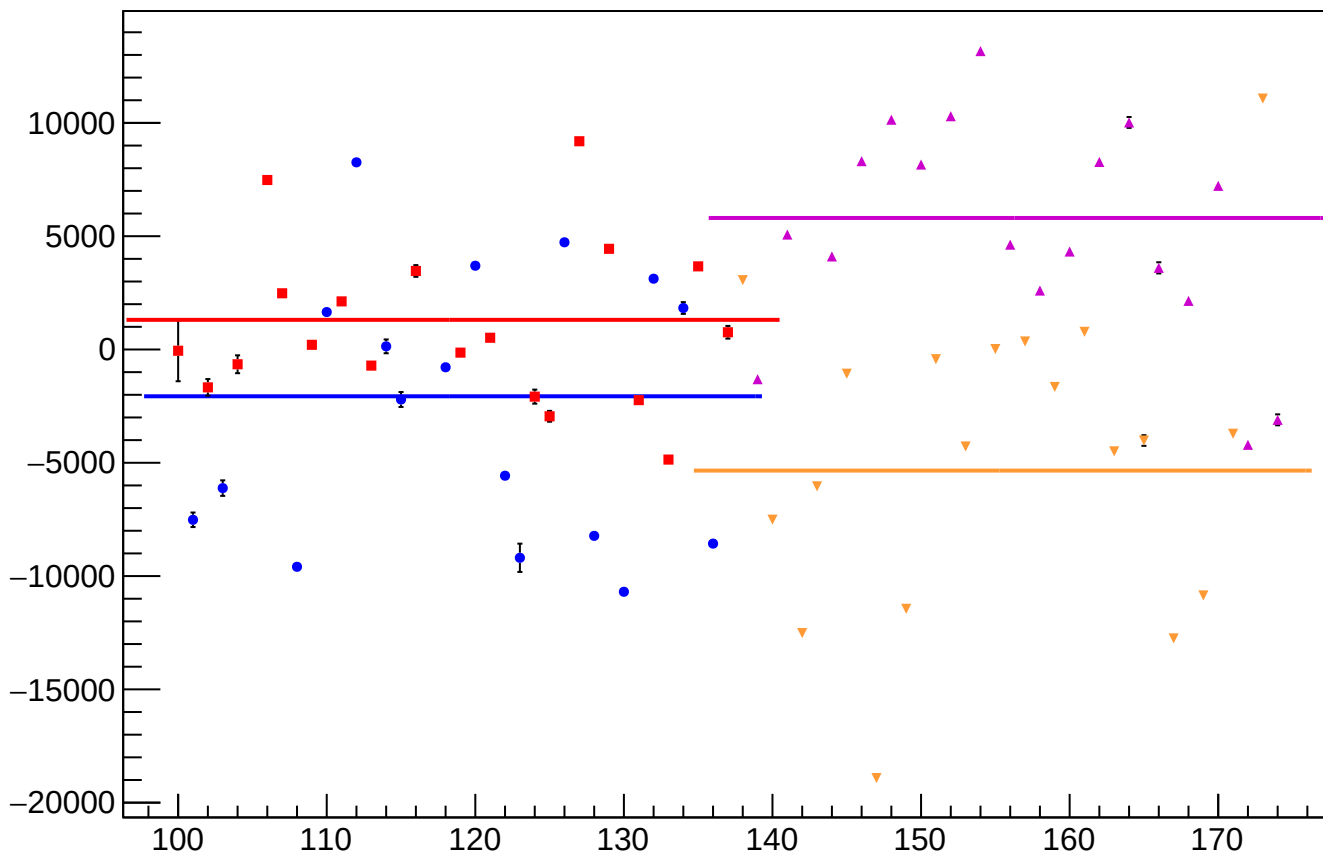
Left In: 208.270 $\pm$ 0.040 χ^2 /NDF: 523879.0/17

+ sign 223.365 $\pm$ 0.035 χ^2 /NDF: 1100122.7/35

All: 215.599 $\pm$ 0.024 χ^2 /NDF: 2599143.8/72

- 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: -5344.413 ± 35.577 $\chi^2/\text{NDF}: 36143.8/18$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

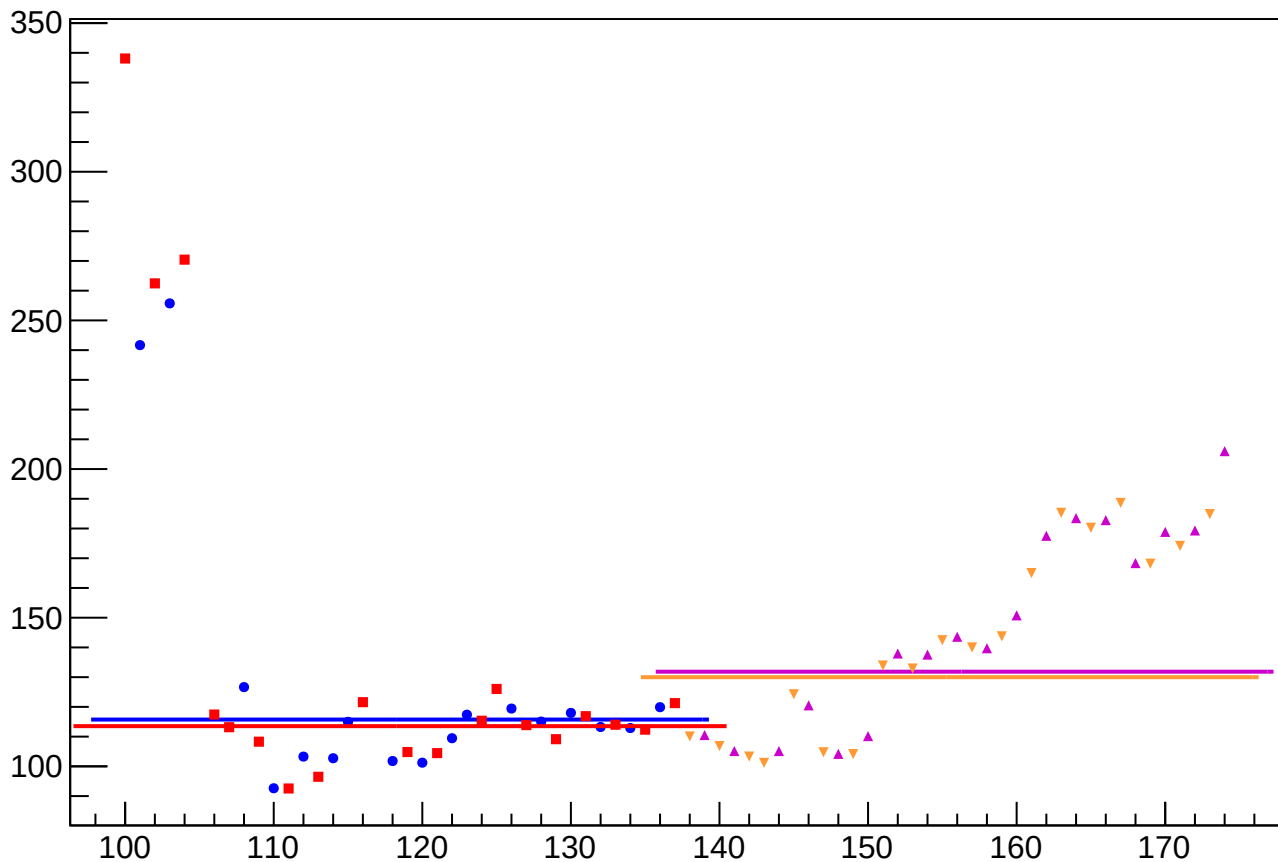
Left In: 5804.384 ± 36.451 $\chi^2/\text{NDF}: 13396.4/17$

+ sign -4160.242 ± 28.437 $\chi^2/\text{NDF}: 55745.0/35$

All: -52.281 ± 20.068 $\chi^2/\text{NDF}: 122634.4/72$

- 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: 129.987+/-0.025 χ^2/NDF :1259948.8/18

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

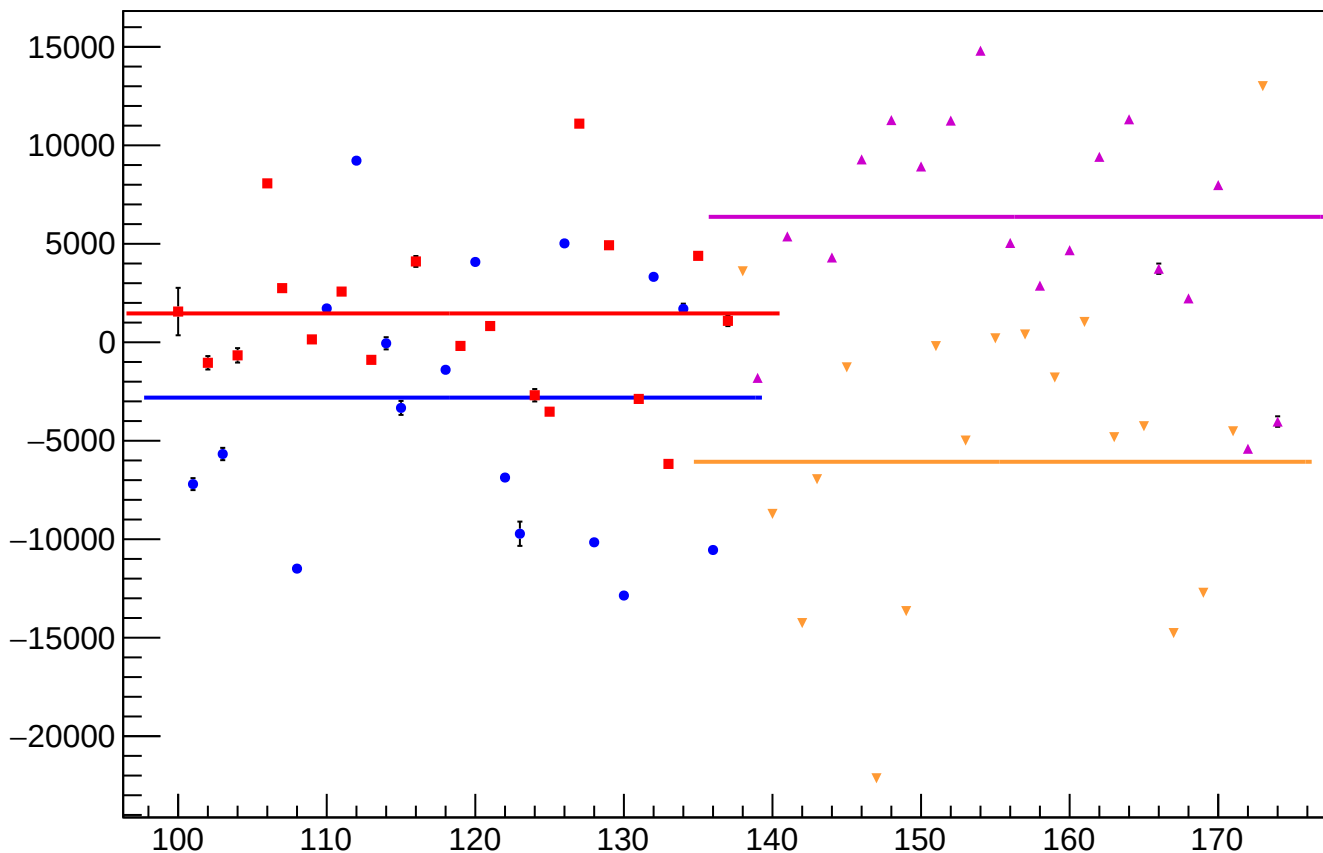
Left In: 131.843+/-0.026 χ^2/NDF :1252580.1/17

+ sign 124.843+/-0.020 χ^2/NDF : 2119776.6/35

All: 124.712+/-0.014 χ^2/NDF : 4369304.4/72

- sign 124.583+/-0.020 χ^2/NDF : 2249444.5/36

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 $\chi^2/\text{NDF}: 21263.1/16$

Left Out: -6067.308 ± 37.805 $\chi^2/\text{NDF}: 43230.1/18$

Right Out: 1465.074 ± 46.394 $\chi^2/\text{NDF}: 8004.7/18$

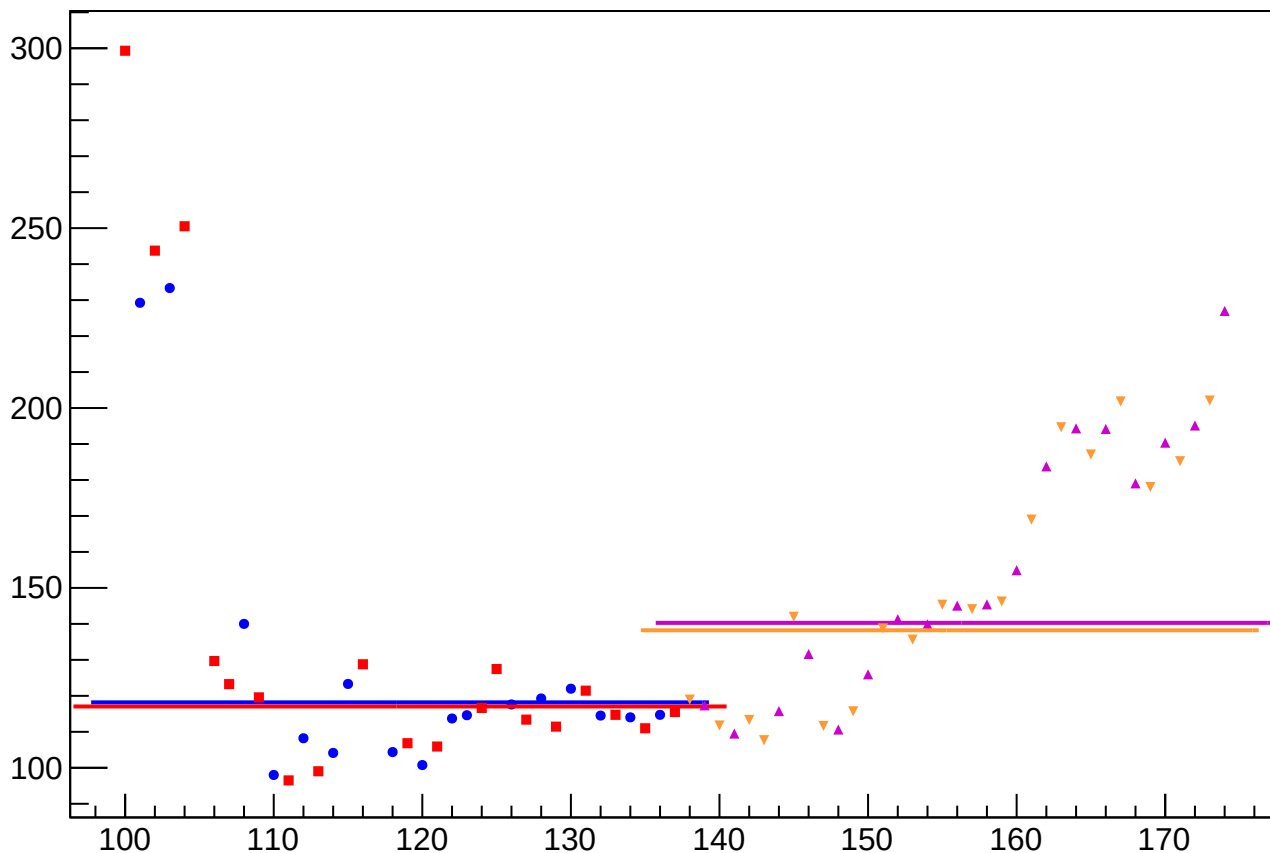
Left In: 6369.898 ± 38.774 $\chi^2/\text{NDF}: 15668.1/17$

+ sign -4829.030 ± 29.766 $\chi^2/\text{NDF}: 67316.2/35$

All: -235.765 ± 21.043 $\chi^2/\text{NDF}: 145168.8/72$

- sign 4352.882 ± 29.751 $\chi^2/\text{NDF}: 30253.3/36$

asym_bpm2i01WS_rms vs Slug



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 138.229+/-0.027 χ^2/NDF :1159366.9/18

Right Out: 117.046+/-0.033 χ^2/NDF : 690635.5/18

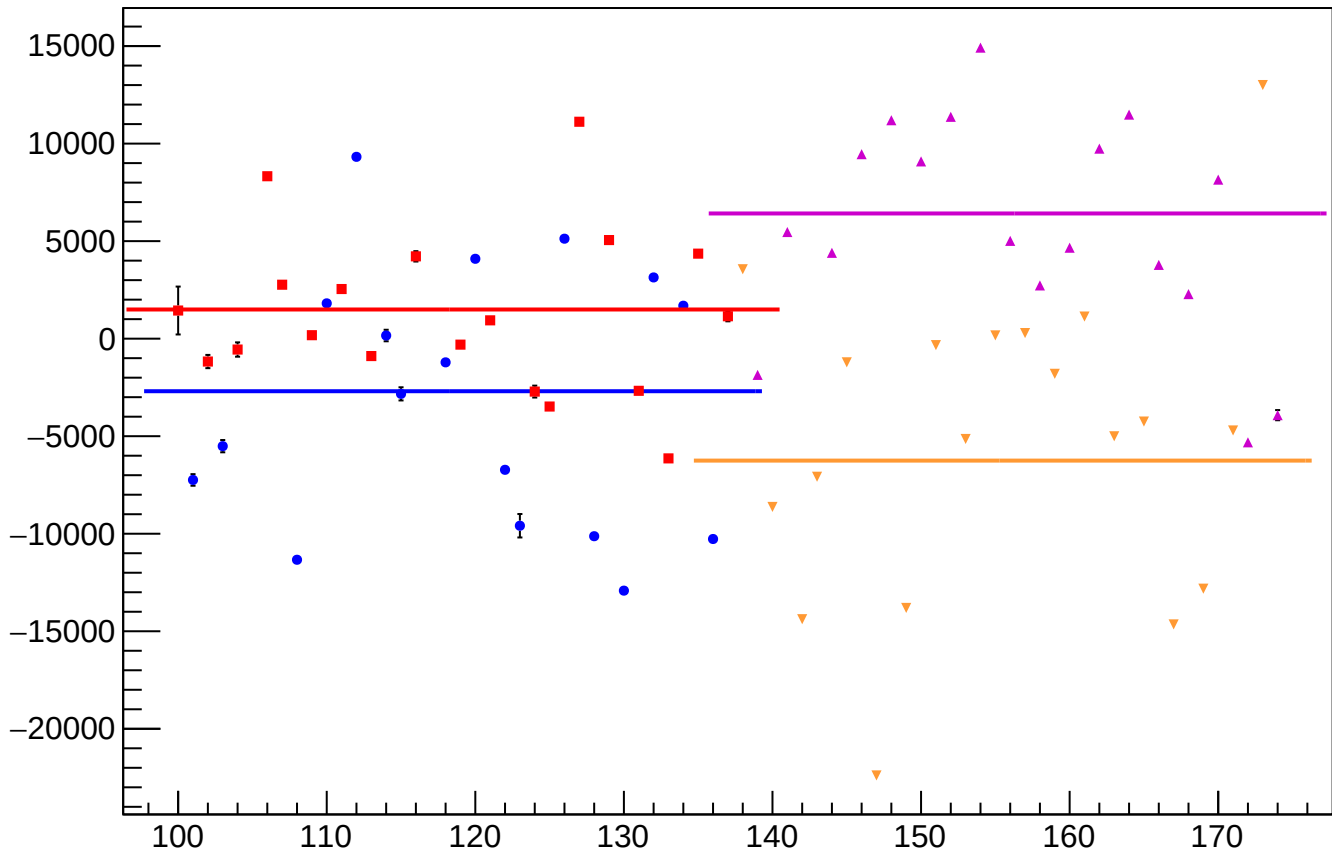
Left In: 140.285+/-0.027 χ^2/NDF :1182661.1/17

+ sign 130.612+/-0.021 χ^2/NDF : 2009211.7/35

All: 130.670+/-0.015 χ^2/NDF : 4177992.7/72

- sign 130.728+/-0.021 χ^2/NDF : 2168765.7/36

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 $\chi^2/\text{NDF}: 22860.3/16$

Left Out: -6250.895 ± 36.904 $\chi^2/\text{NDF}: 46912.1/18$

Right Out: 1495.744 ± 44.445 $\chi^2/\text{NDF}: 8717.2/18$

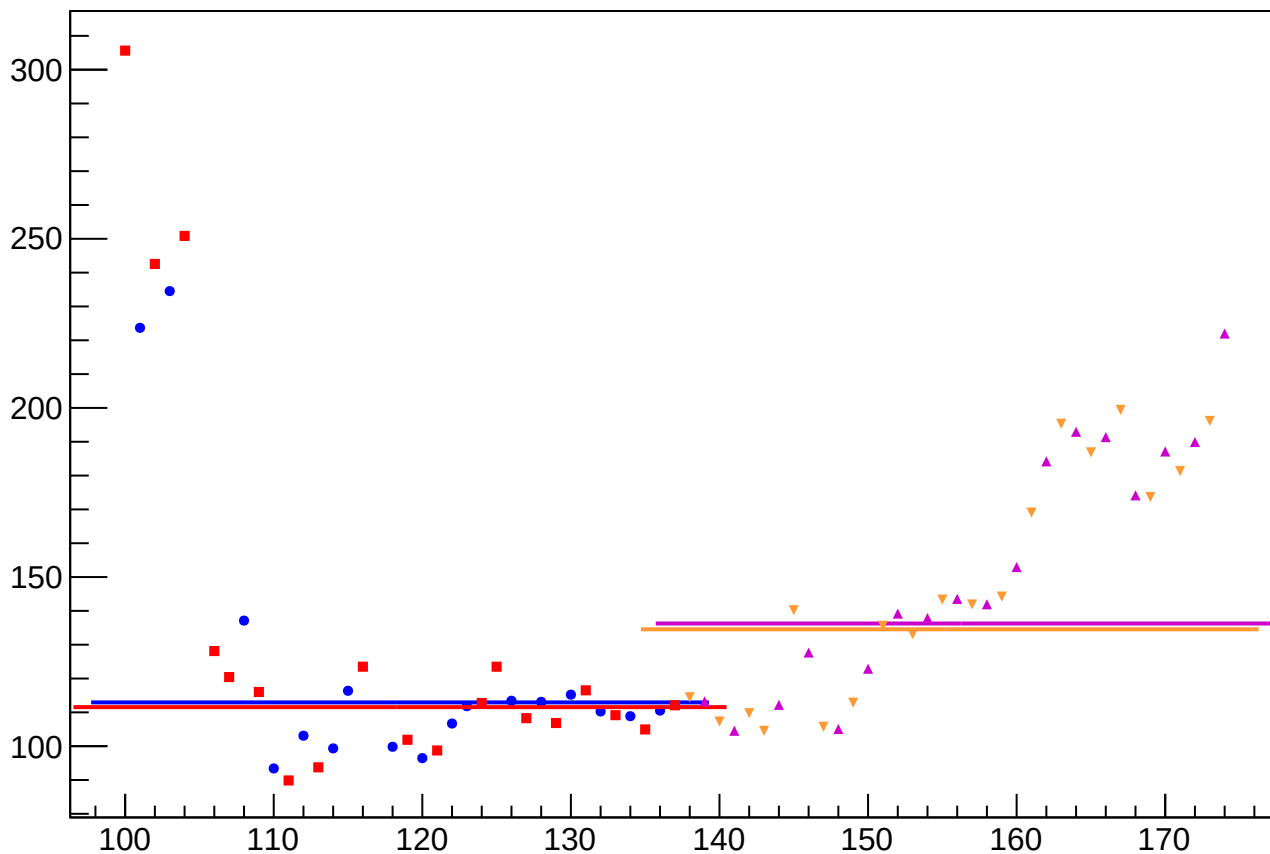
Left In: 6418.433 ± 37.775 $\chi^2/\text{NDF}: 16719.8/17$

+ sign -4870.869 ± 28.870 $\chi^2/\text{NDF}: 73376.3/35$

All: -244.612 ± 20.383 $\chi^2/\text{NDF}: 157137.9/72$

- sign 4353.830 ± 28.783 $\chi^2/\text{NDF}: 32559.5/36$

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 ± 0.033 χ^2/NDF : 680283.1/16

Left Out: 134.548 ± 0.026 χ^2/NDF : 1270057.2/18

Right Out: 111.544 ± 0.031 χ^2/NDF : 765502.6/18

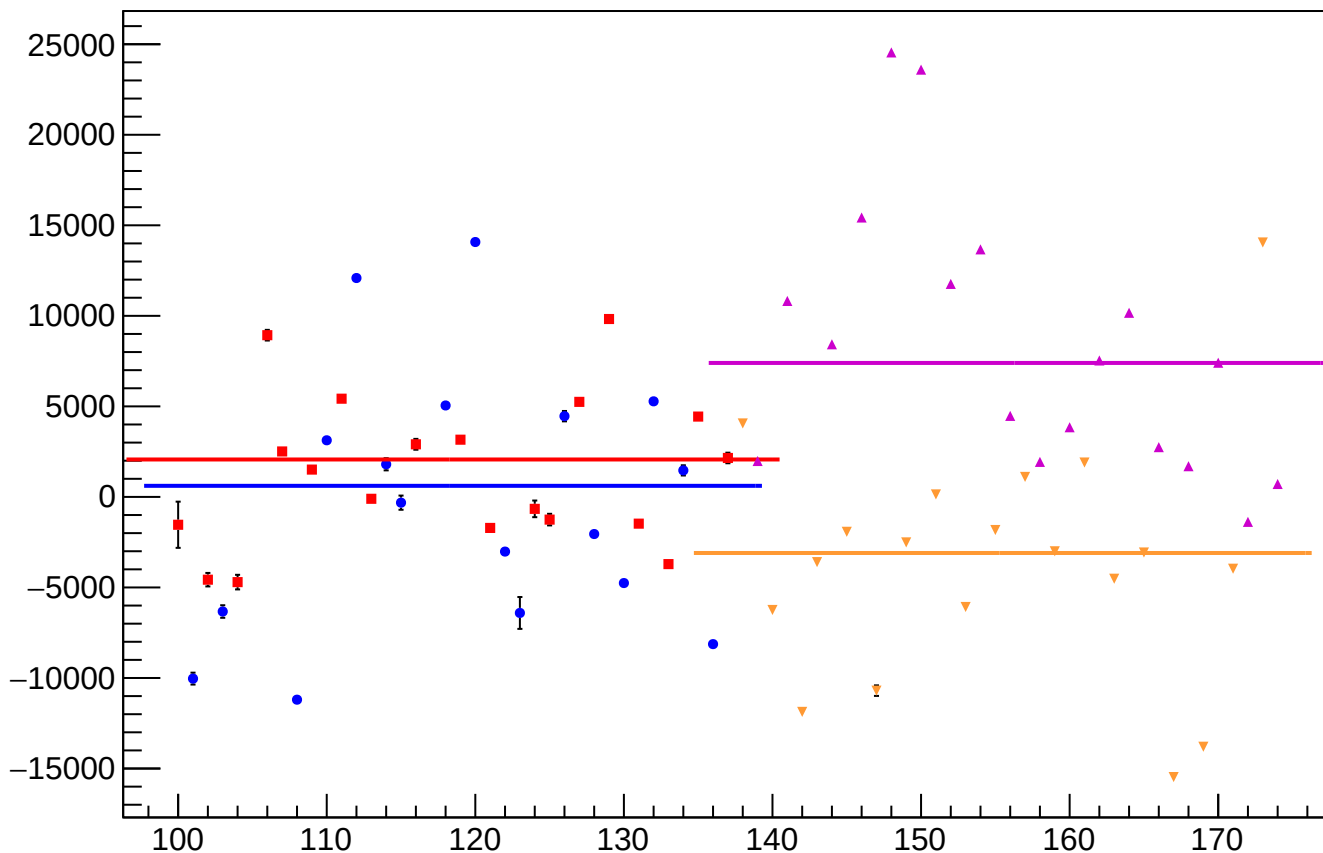
Left In: 136.271 ± 0.027 χ^2/NDF : 1289300.0/17

+ sign 126.164 ± 0.020 χ^2/NDF : 2216385.5/35

All: 126.032 ± 0.014 χ^2/NDF : 4630708.9/72

- sign 125.900 ± 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: -3096.337 ± 42.781 $\chi^2/\text{NDF}: 20596.0/18$

Right Out: 2067.410 ± 53.931 $\chi^2/\text{NDF}: 4642.7/18$

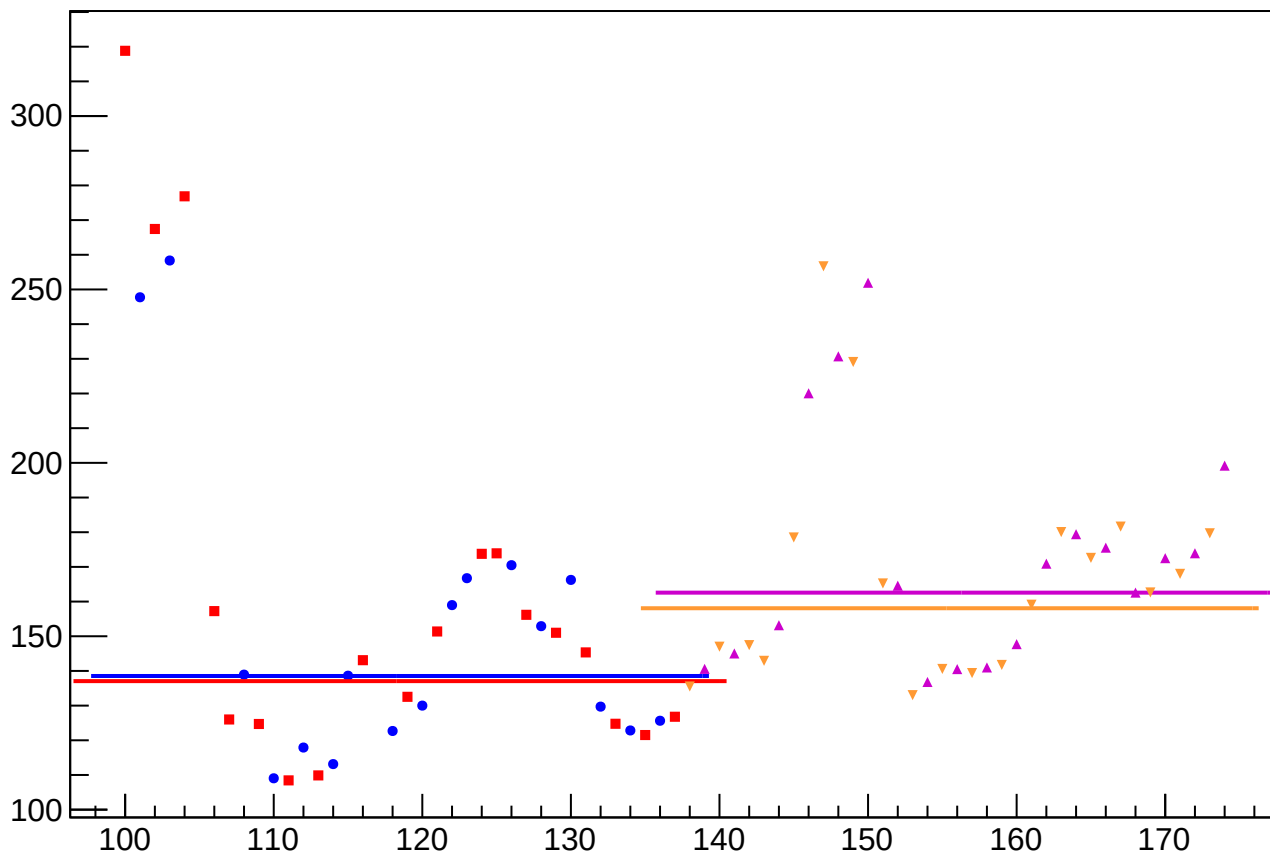
Left In: 7398.756 ± 44.563 $\chi^2/\text{NDF}: 18854.5/17$

+ sign -1731.365 ± 34.010 $\chi^2/\text{NDF}: 41605.5/35$

All: 1717.130 ± 24.169 $\chi^2/\text{NDF}: 91681.5/72$

- 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: 158.077 $\pm$ 0.030 χ^2 /NDF: 688147.6/18

Right Out: 137.061 $\pm$ 0.038 χ^2 /NDF: 755491.9/18

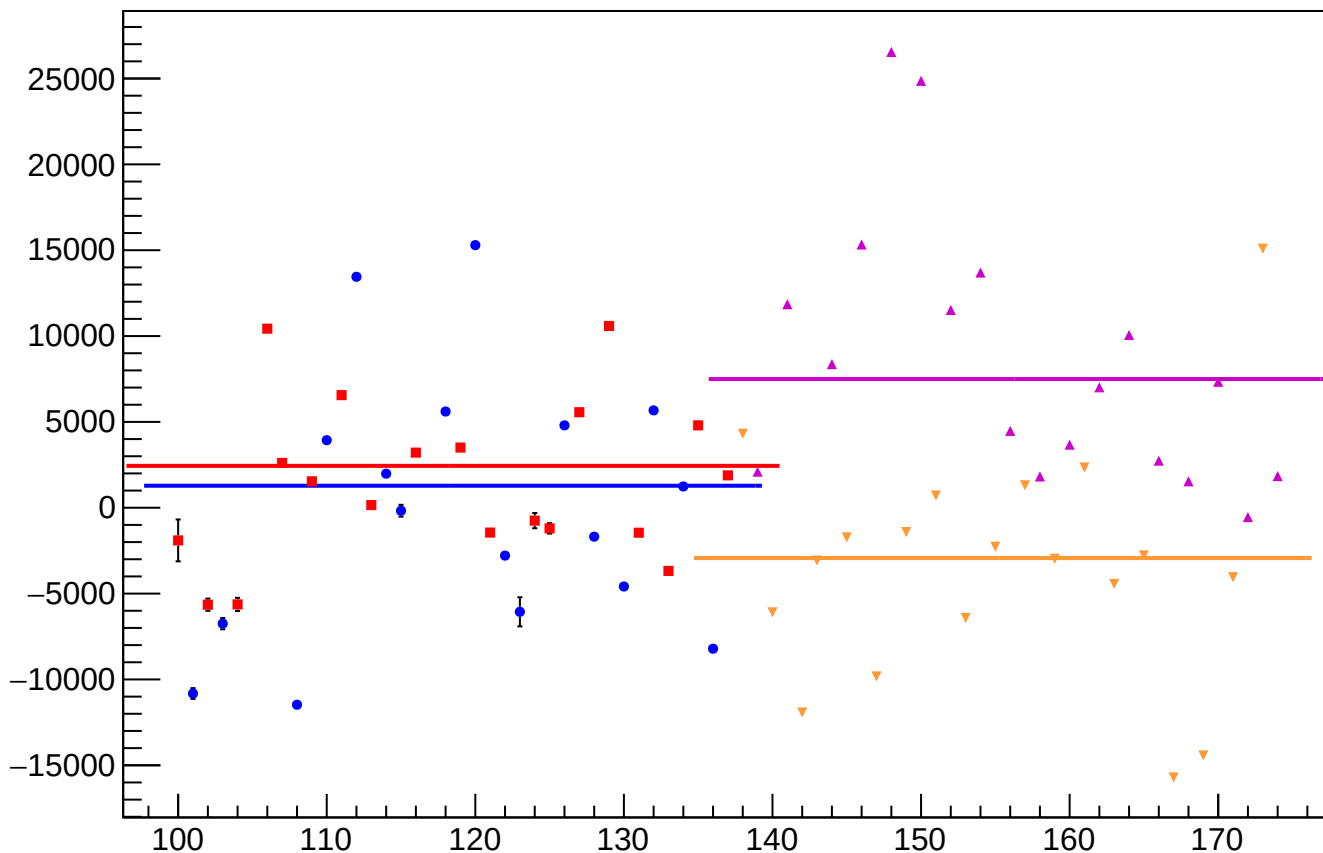
Left In: 162.574 $\pm$ 0.032 χ^2 /NDF: 756875.6/17

+ sign 150.888 $\pm$ 0.024 χ^2 /NDF: 1510565.5/35

All: 151.548 $\pm$ 0.017 χ^2 /NDF: 3290453.5/72

- 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: -2929.533+/-38.380 χ^2/NDF : 26548.6/18

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

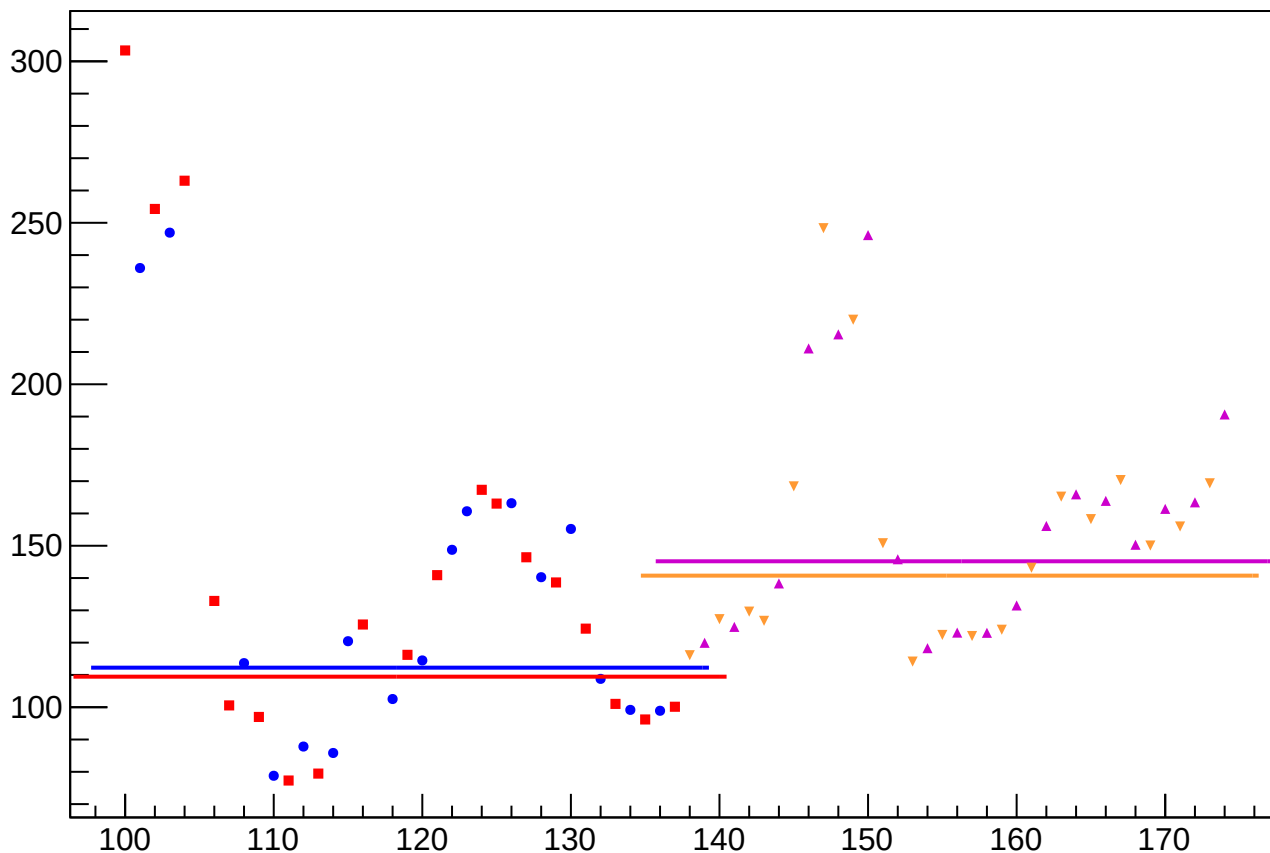
Left In: 7497.051+/-40.160 χ^2/NDF : 23636.9/17

+ sign -1225.735+/-29.619 χ^2/NDF : 61961.7/35

All: 1980.503+/-20.990 χ^2/NDF : 123970.8/72

- 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: 140.745+/-0.027 χ^2/NDF : 993229.5/18

Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

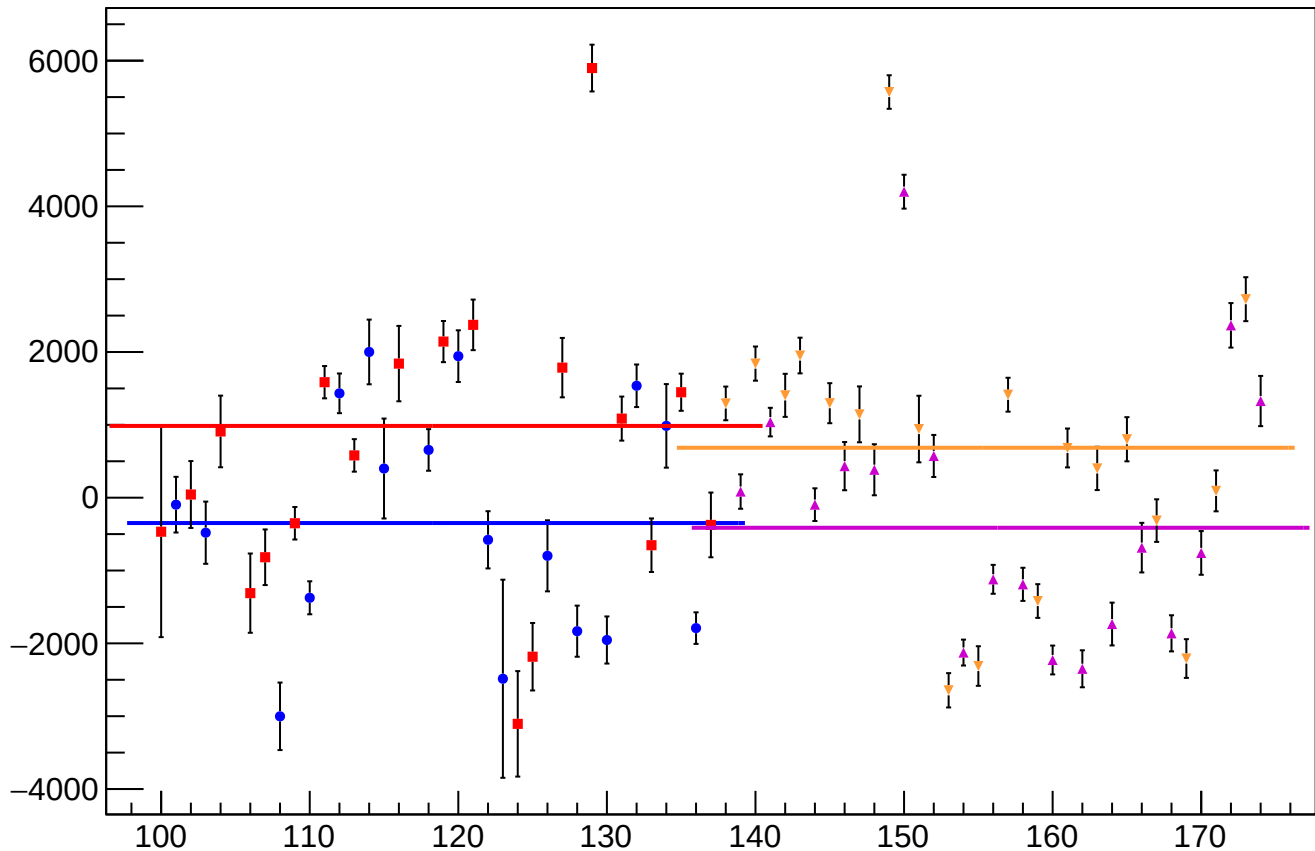
Left In: 145.189+/-0.028 χ^2/NDF : 1077498.2/17

+ sign 129.220+/-0.021 χ^2/NDF : 2564632.3/35

All: 129.144+/-0.015 χ^2/NDF : 5626145.7/72

- 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: 685.898 ± 61.657 χ^2/NDF : 1115.3/18

Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

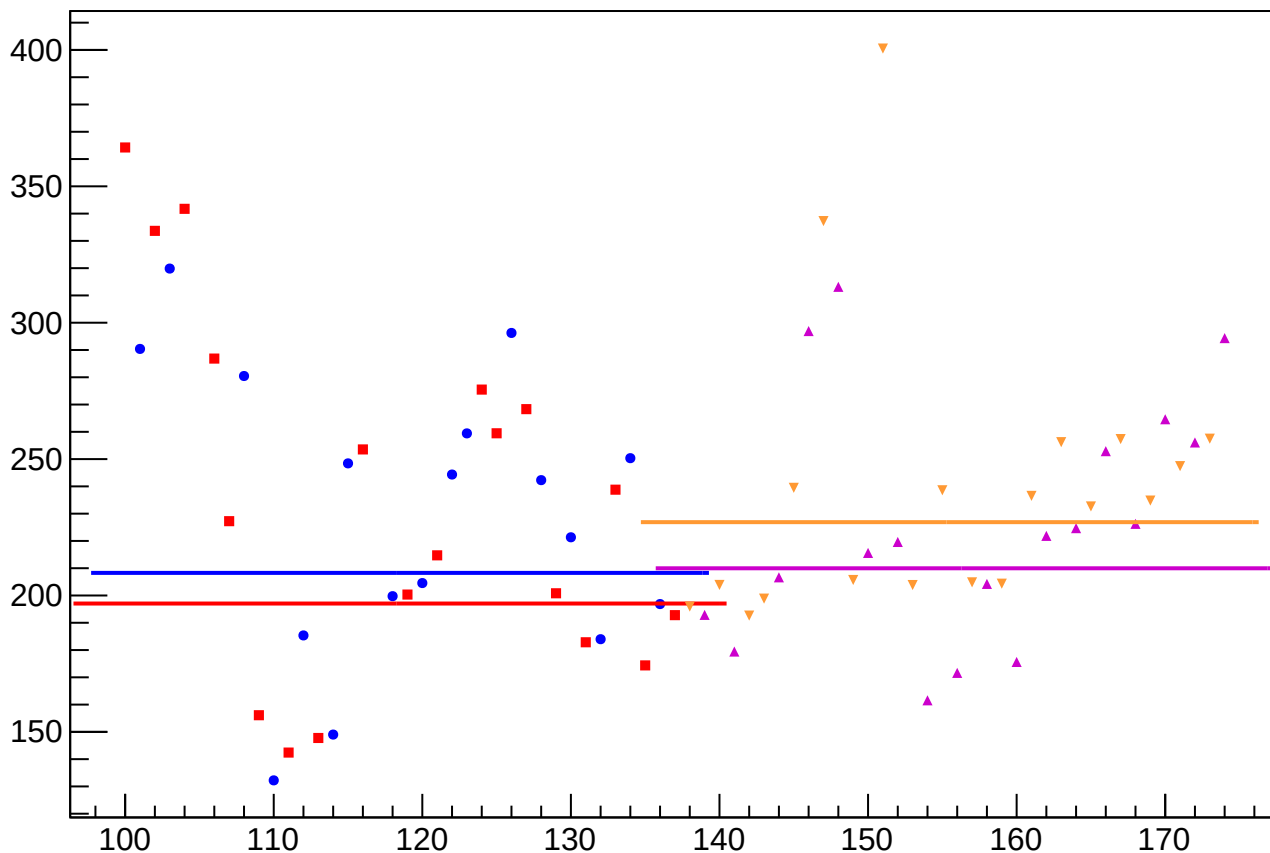
Left In: -413.040 ± 58.166 χ^2/NDF : 901.9/17

+ sign 322.901 ± 49.669 χ^2/NDF : 1531.3/35

All: 198.548 ± 33.969 χ^2/NDF : 3129.2/72

- sign 89.273 ± 46.560 χ^2/NDF : 1586.1/36

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 $\pm$ 0.059 χ^2 /NDF: 698491.0/16

Left Out: 226.885 $\pm$ 0.044 χ^2 /NDF: 720695.3/18

Right Out: 197.051 $\pm$ 0.055 χ^2 /NDF: 926786.6/18

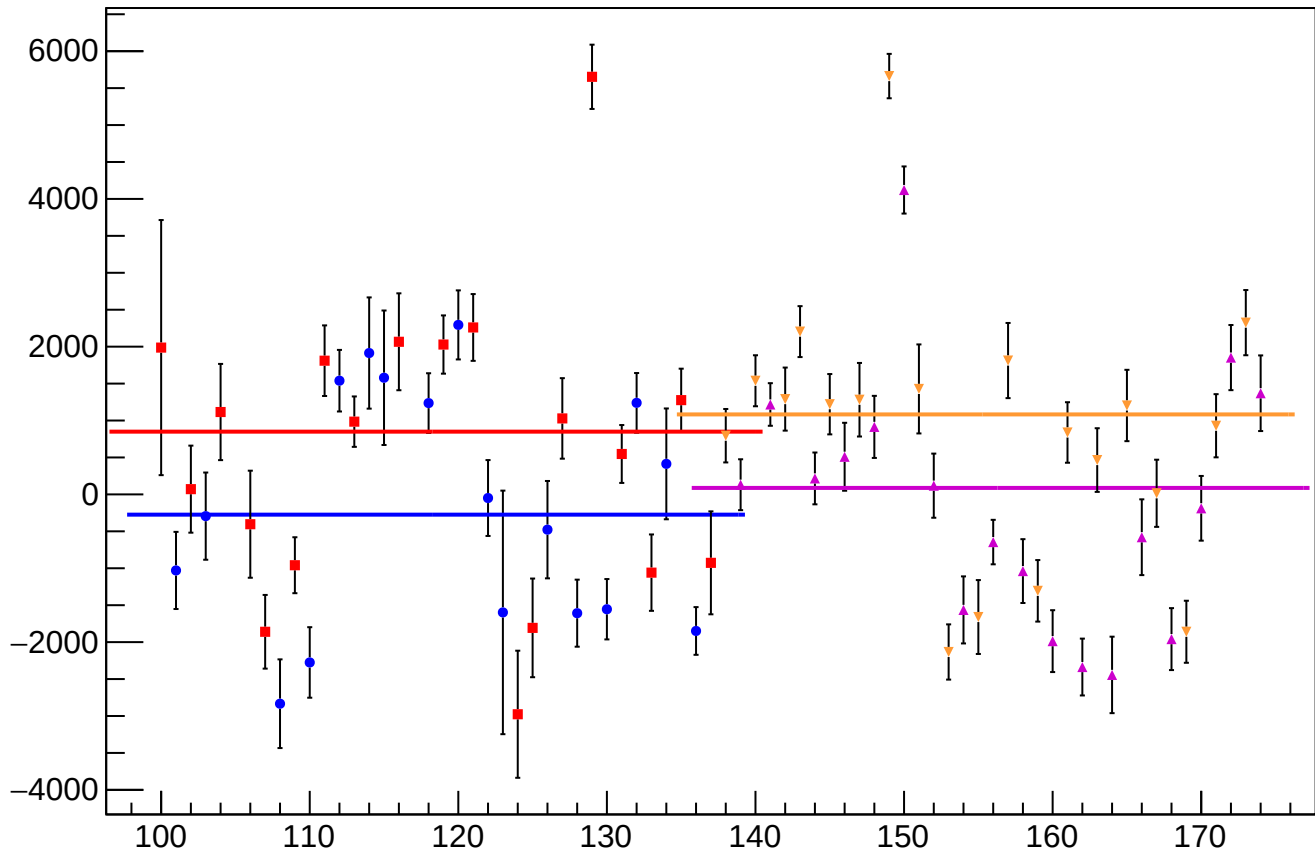
Left In: 209.970 $\pm$ 0.041 χ^2 /NDF: 939850.8/17

+ sign 220.356 $\pm$ 0.035 χ^2 /NDF: 1483070.4/35

All: 212.358 $\pm$ 0.024 χ^2 /NDF: 3482591.3/72

- sign 205.329 $\pm$ 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: 1082.739 ± 94.781 χ^2/NDF : 450.3/18

Right Out: 849.413 ± 115.349 χ^2/NDF : 263.3/18

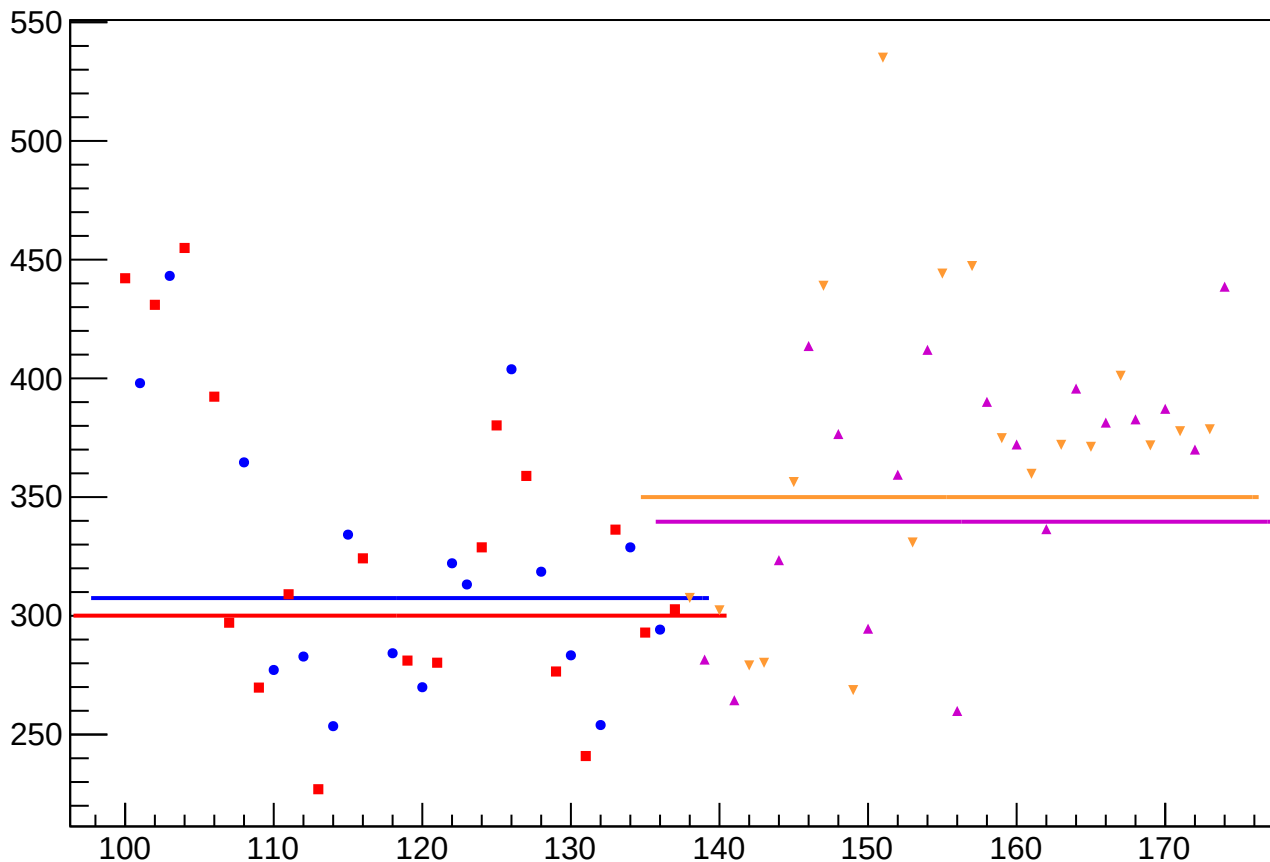
Left In: 87.633 ± 93.173 χ^2/NDF : 342.3/17

+ sign 568.447 ± 74.691 χ^2/NDF : 699.5/35

All: 475.729 ± 52.016 χ^2/NDF : 1334.5/72

- 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: 349.998 $\pm$ 0.067 χ^2 /NDF: 816190.4/18

Right Out: 300.069 $\pm$ 0.082 χ^2 /NDF: 490398.9/18

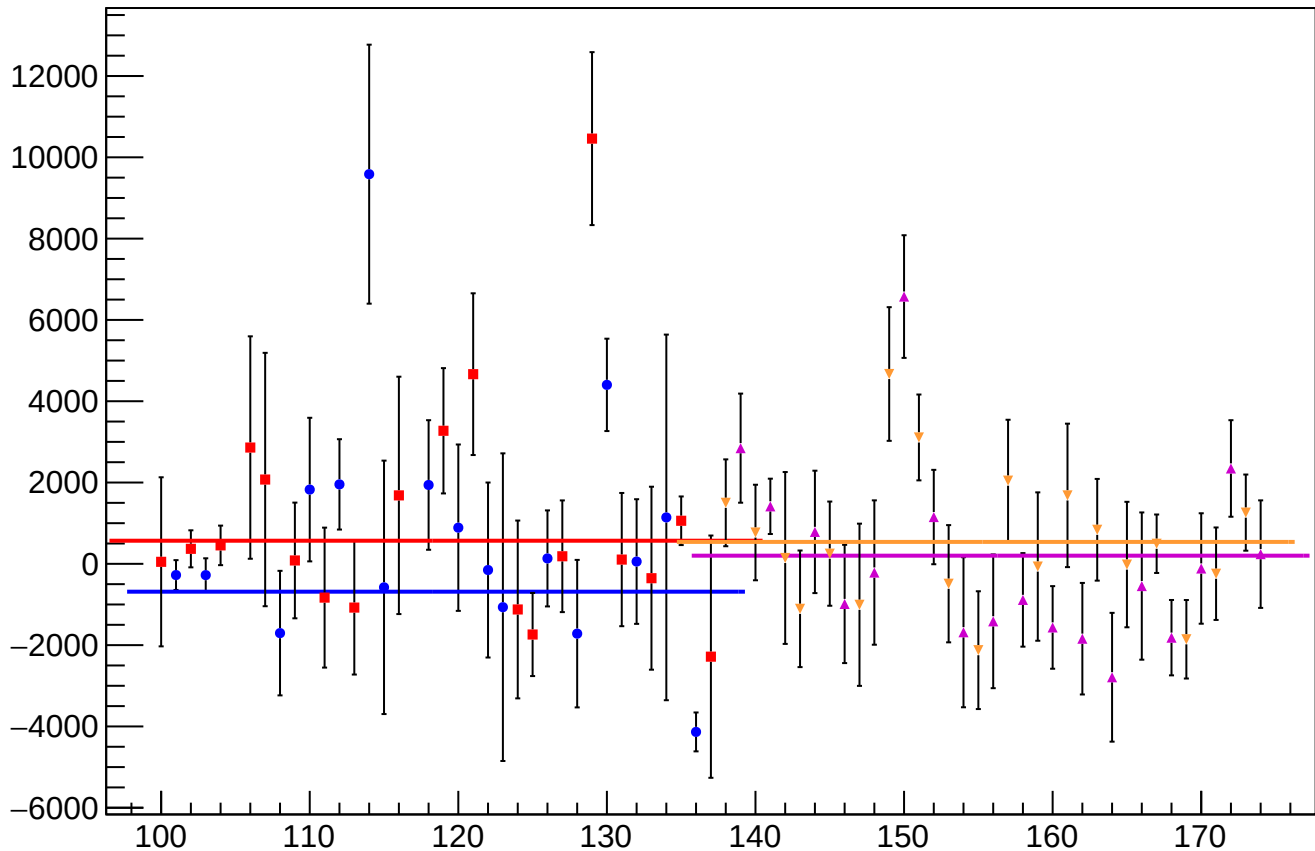
Left In: 339.626 $\pm$ 0.066 χ^2 /NDF: 704450.1/17

+ sign 333.879 $\pm$ 0.053 χ^2 /NDF: 1291907.8/35

All: 328.795 $\pm$ 0.037 χ^2 /NDF: 2647083.3/72

- 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: 539.419 ± 283.522 χ^2/NDF : 27.9/18

Right Out: 568.651 ± 243.251 χ^2/NDF : 39.7/18

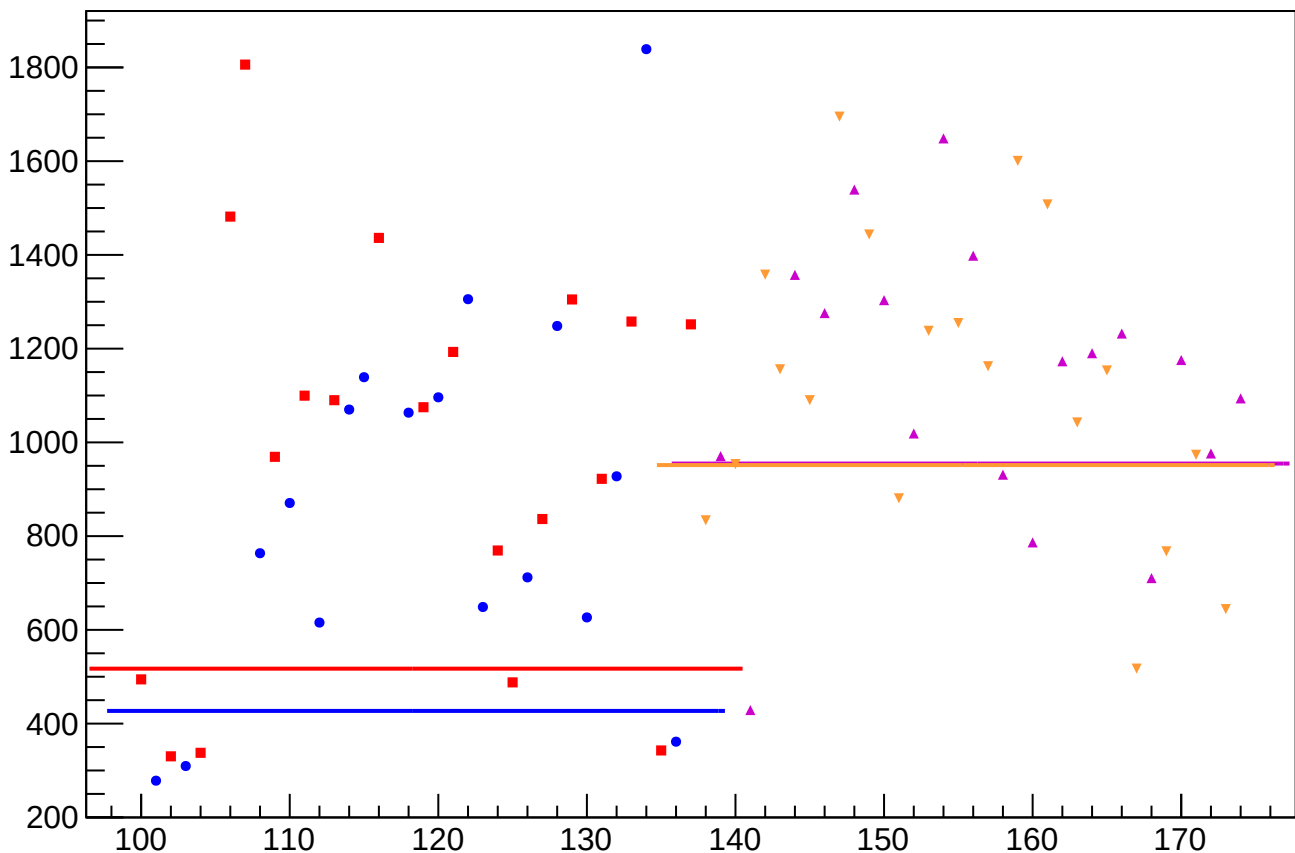
Left In: 200.670 ± 291.924 χ^2/NDF : 46.4/17

+ sign -250.365 ± 168.928 χ^2/NDF : 137.3/35

All: 50.122 ± 125.317 χ^2/NDF : 231.4/72

- 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: 951.589+/-0.200 χ^2/NDF : 2348365.7/18

Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

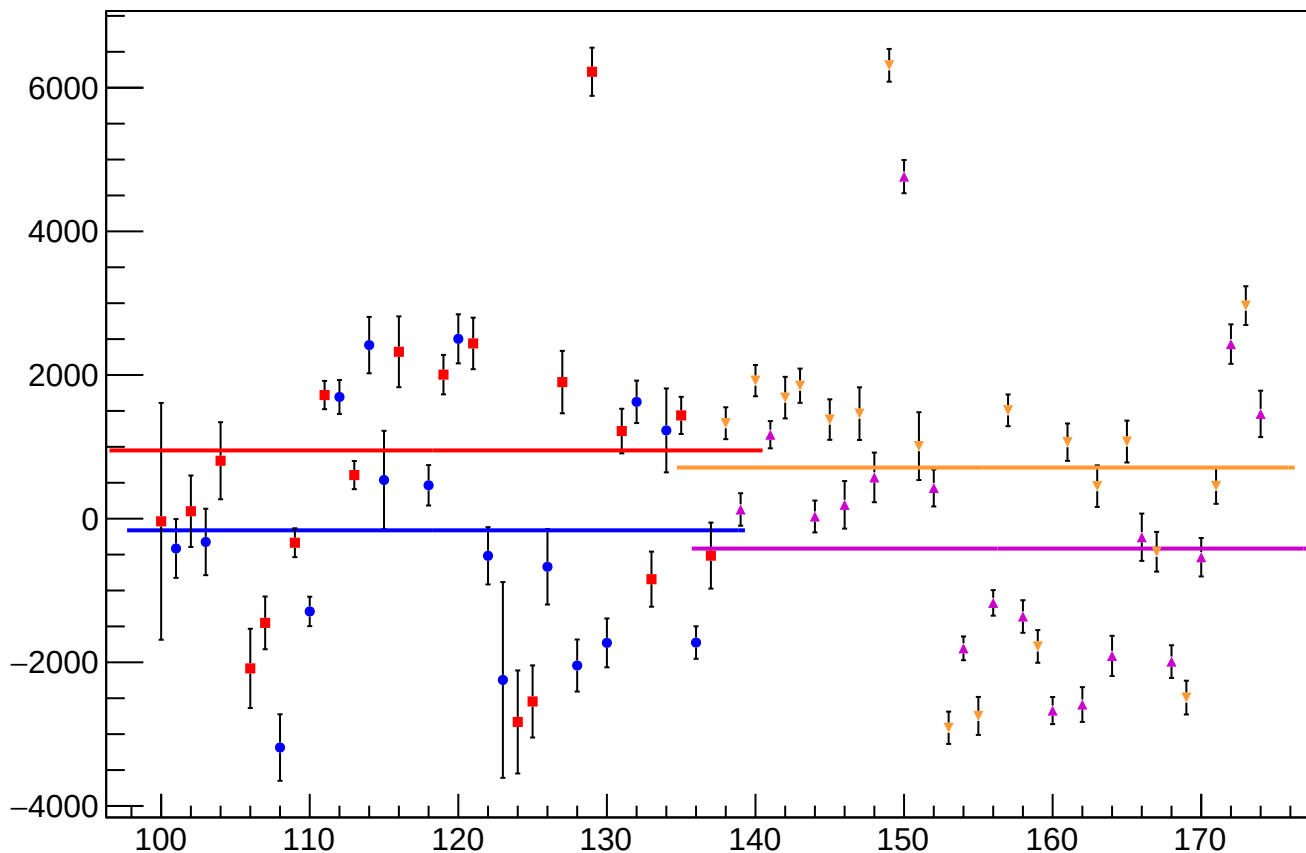
Left In: 954.840+/-0.206 χ^2/NDF : 2604323.2/17

+ sign 613.281+/-0.119 χ^2/NDF : 9628940.8/35

All: 650.732+/-0.089 χ^2/NDF : 18709472.5/72

- sign 696.564+/-0.132 χ^2/NDF : 8861934.0/36

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 χ^2/NDF : 387.6/16

Left Out: 711.490 ± 58.937 χ^2/NDF : 1528.5/18

Right Out: 950.093 ± 75.133 χ^2/NDF : 539.8/18

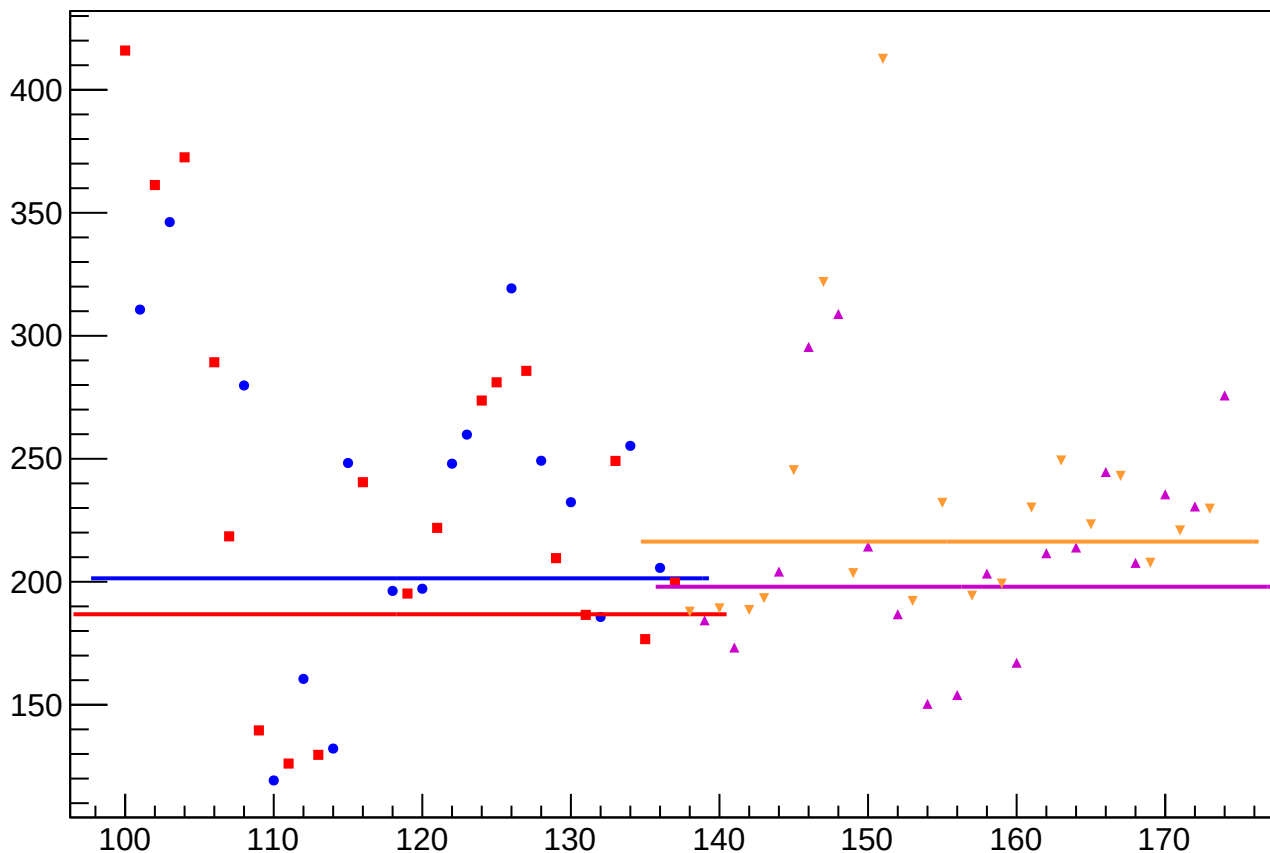
Left In: -416.264 ± 55.077 χ^2/NDF : 1149.6/17

+ sign 415.516 ± 47.927 χ^2/NDF : 1990.6/35

All: 224.991 ± 32.579 χ^2/NDF : 3924.4/72

- sign 61.329 ± 44.420 χ^2/NDF : 1904.5/36

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 216.335 $\pm$ 0.042 χ^2 /NDF: 761496.6/18

Right Out: 186.797 $\pm$ 0.053 χ^2 /NDF: 1393162.0/18

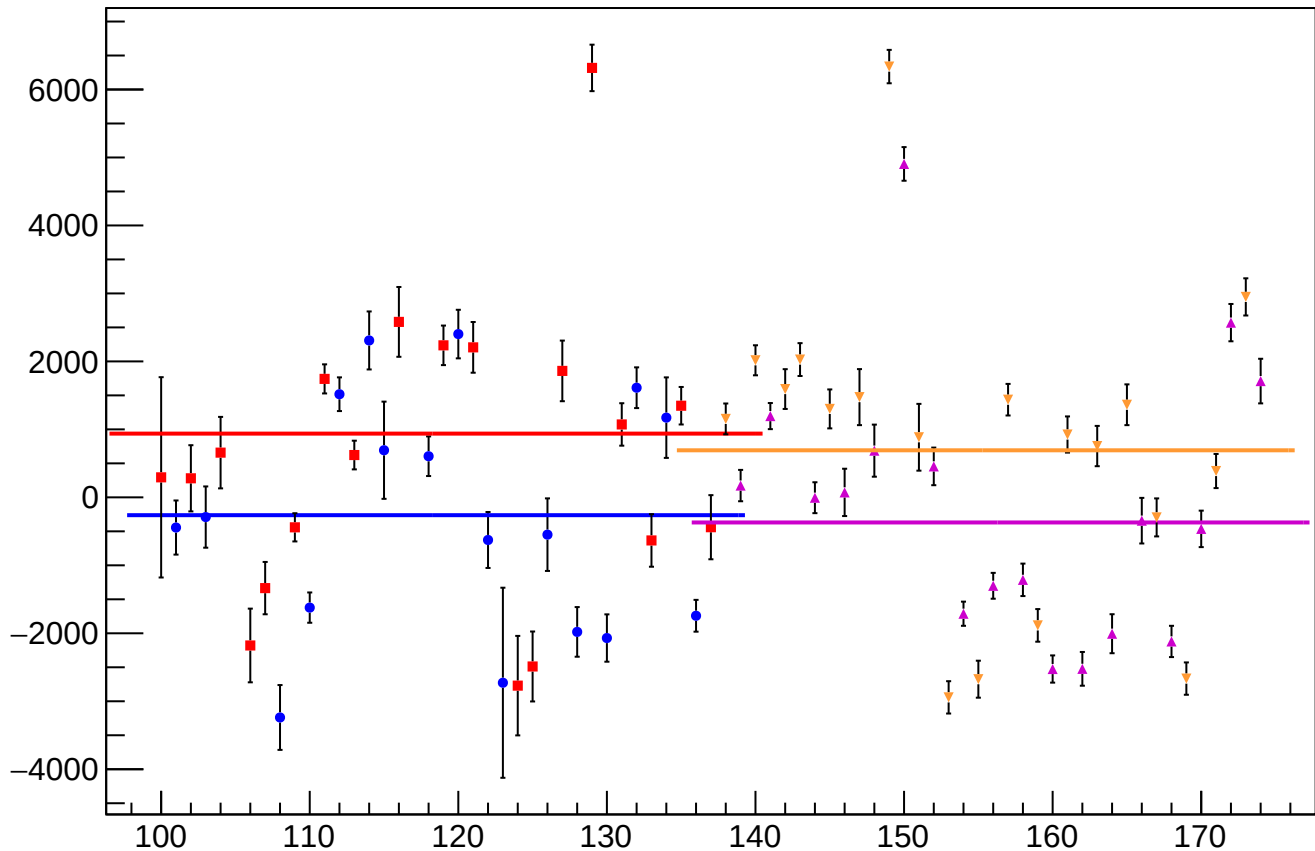
Left In: 197.990 $\pm$ 0.039 χ^2 /NDF: 1017973.5/17

+ sign 211.279 $\pm$ 0.034 χ^2 /NDF: 1860965.1/35

All: 202.026 $\pm$ 0.023 χ^2 /NDF: 4439558.1/72

- 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: 692.112 ± 60.750 χ^2/NDF : 1416.0/18

Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

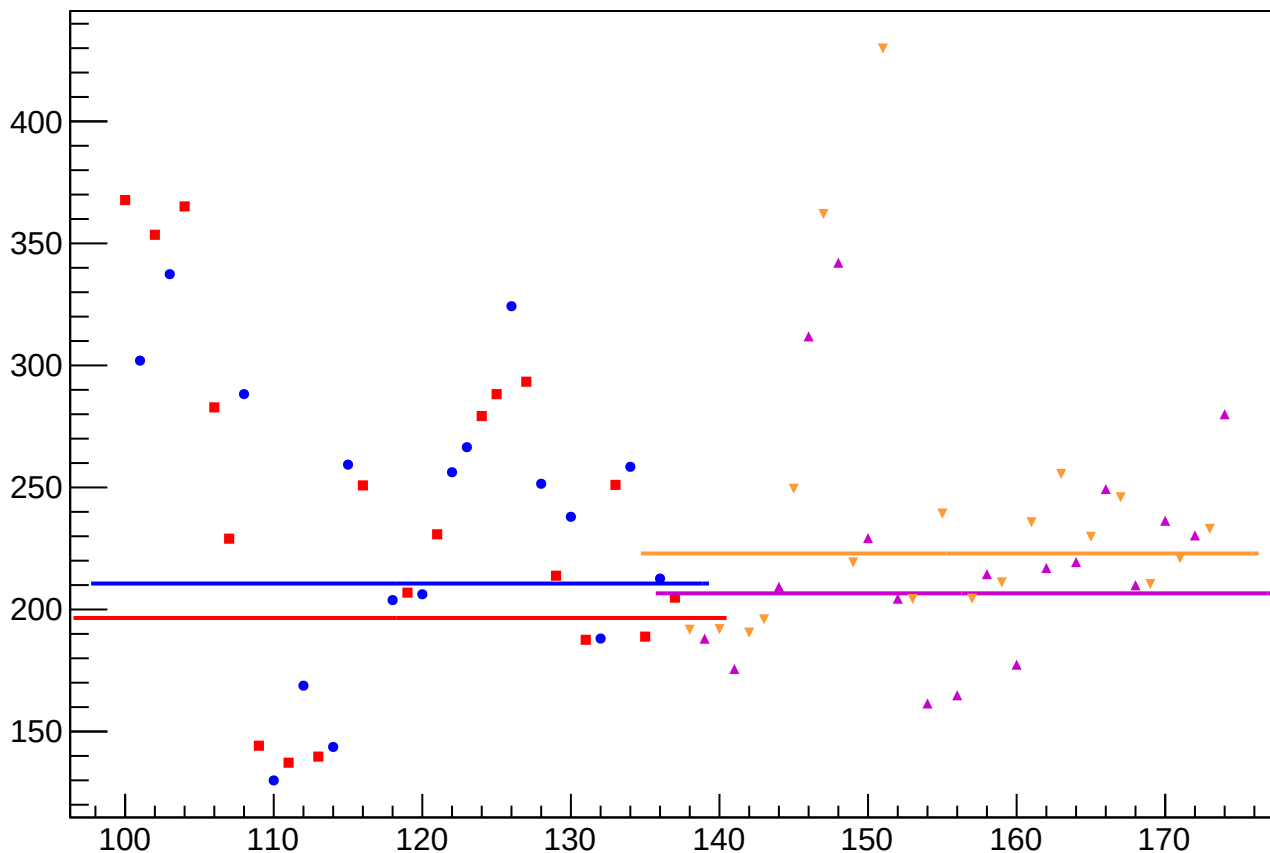
Left In: -369.548 ± 57.341 χ^2/NDF : 1077.3/17

+ sign 371.585 ± 49.509 χ^2/NDF : 1867.6/35

All: 219.084 ± 33.813 χ^2/NDF : 3665.7/72

- sign 85.770 ± 46.290 χ^2/NDF : 1780.3/36

asym_bpm0l05WS_rms vs Slug



Right In: 210.636+/-0.060 $\chi^2/\text{NDF}: 875776.4/16$

Left Out: 222.949+/-0.043 $\chi^2/\text{NDF}: 815737.2/18$

Right Out: 196.528+/-0.055 $\chi^2/\text{NDF}: 1205091.0/18$

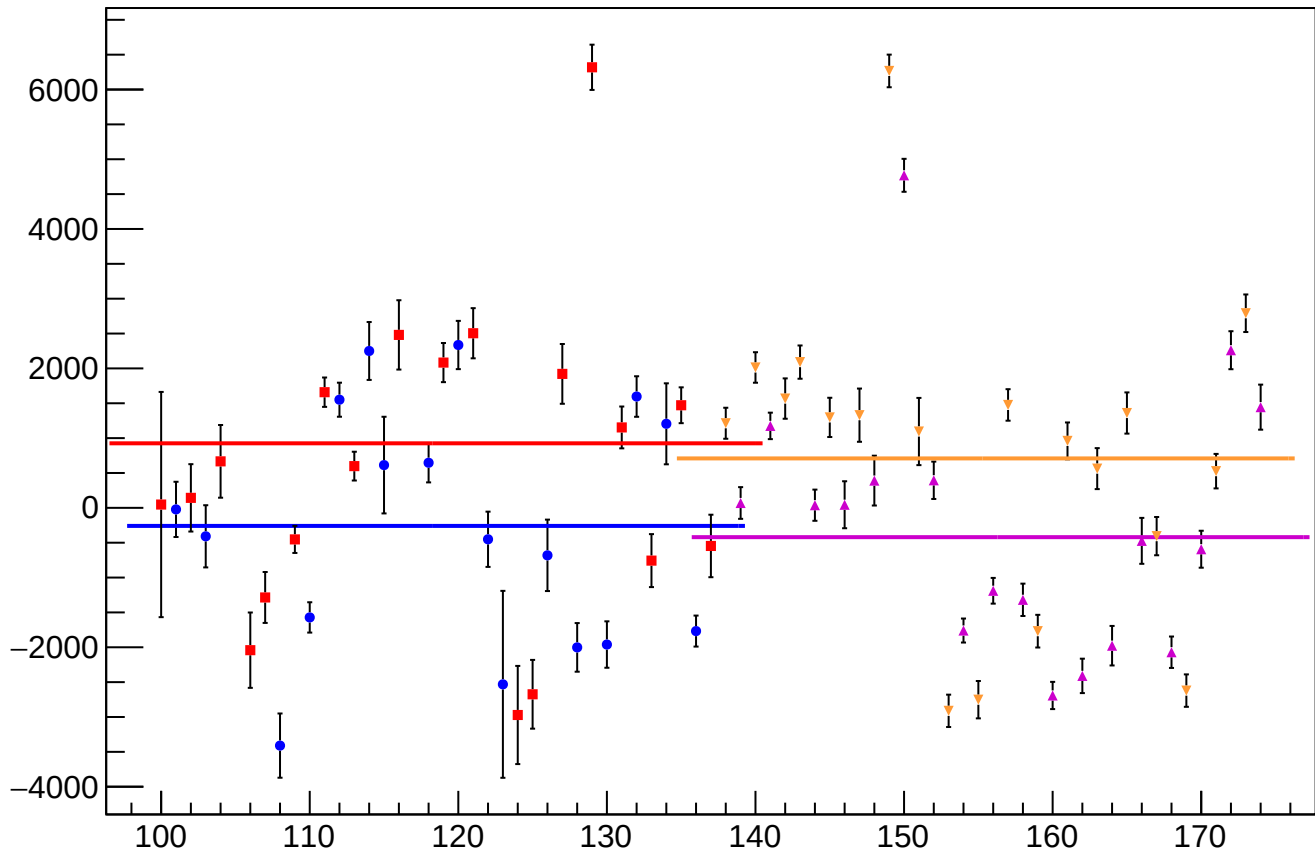
Left In: 206.616+/-0.041 $\chi^2/\text{NDF}: 965204.5/17$

+ sign 218.814+/-0.035 $\chi^2/\text{NDF}: 1719107.5/35$

All: 210.431+/-0.024 $\chi^2/\text{NDF}: 4018433.0/72$

- sign 203.103+/-0.033 $\chi^2/\text{NDF}: 2191857.2/36$

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 708.963 ± 59.531 χ^2/NDF : 1476.3/18

Right Out: 925.534 ± 75.503 χ^2/NDF : 581.9/18

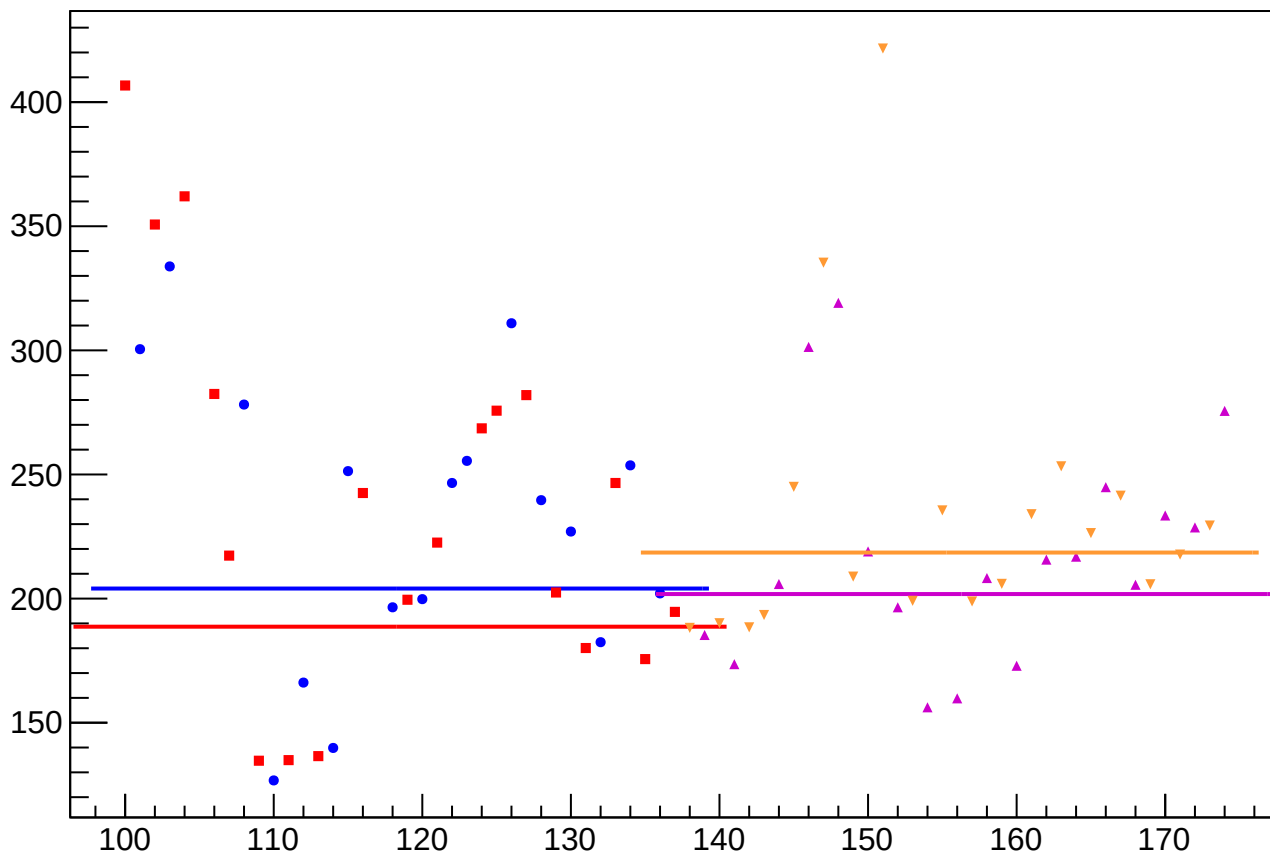
Left In: -420.485 ± 56.027 χ^2/NDF : 1085.5/17

+ sign 379.074 ± 48.335 χ^2/NDF : 1957.6/35

All: 206.781 ± 32.933 χ^2/NDF : 3853.7/72

- 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: 218.550+/-0.042 χ^2/NDF : 780646.0/18

Right Out: 188.681+/-0.053 χ^2/NDF : 1251107.4/18

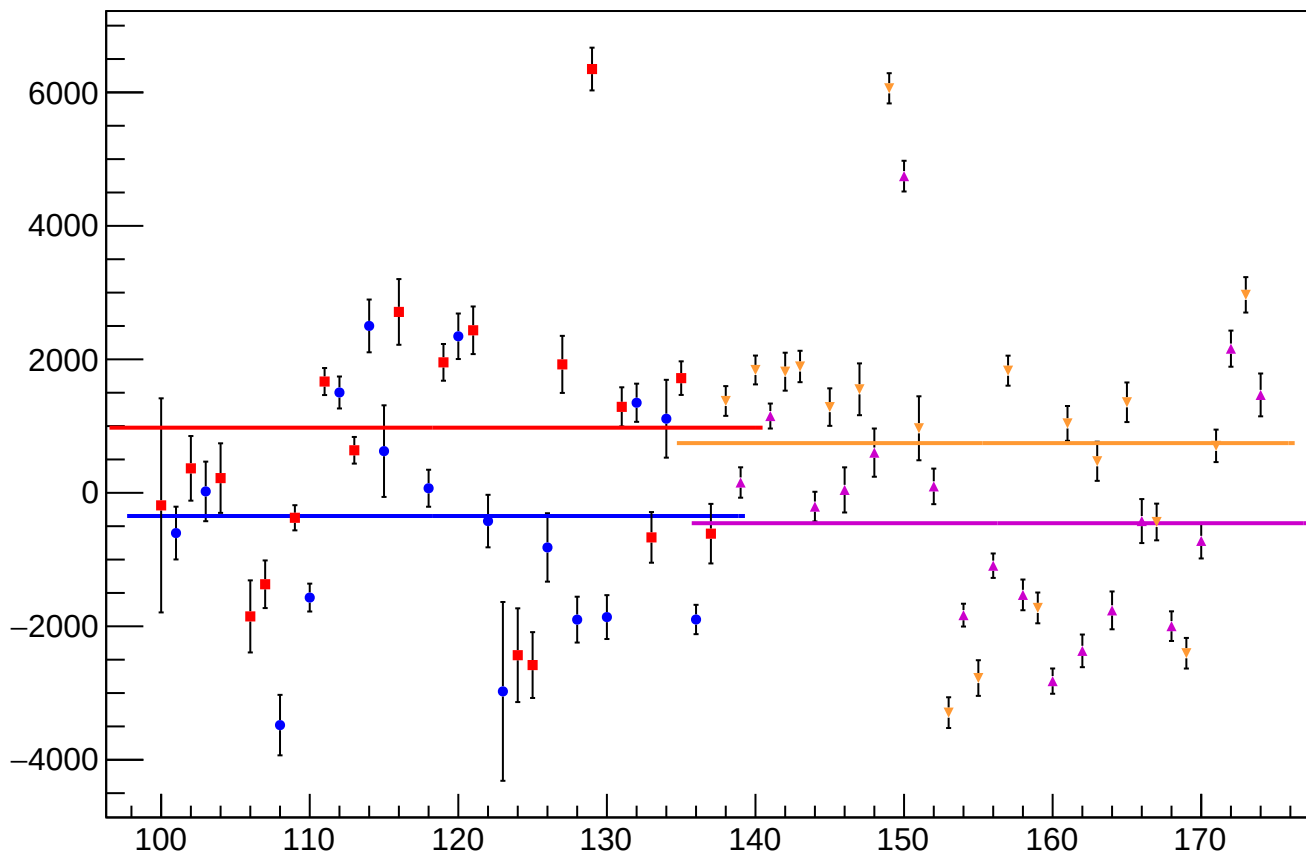
Left In: 201.828+/-0.040 χ^2/NDF : 945434.2/17

+ sign 213.609+/-0.034 χ^2/NDF : 1689495.0/35

All: 204.796+/-0.023 χ^2/NDF : 4049258.7/72

- sign 197.159+/-0.032 χ^2/NDF : 2235649.4/36

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 $\pm$ 81.318 χ^2 /NDF: 399.1/16

Left Out: 745.015 $\pm$ 58.969 χ^2 /NDF:1533.2/18

Right Out: 976.286 $\pm$ 73.889 χ^2 /NDF: 585.7/18

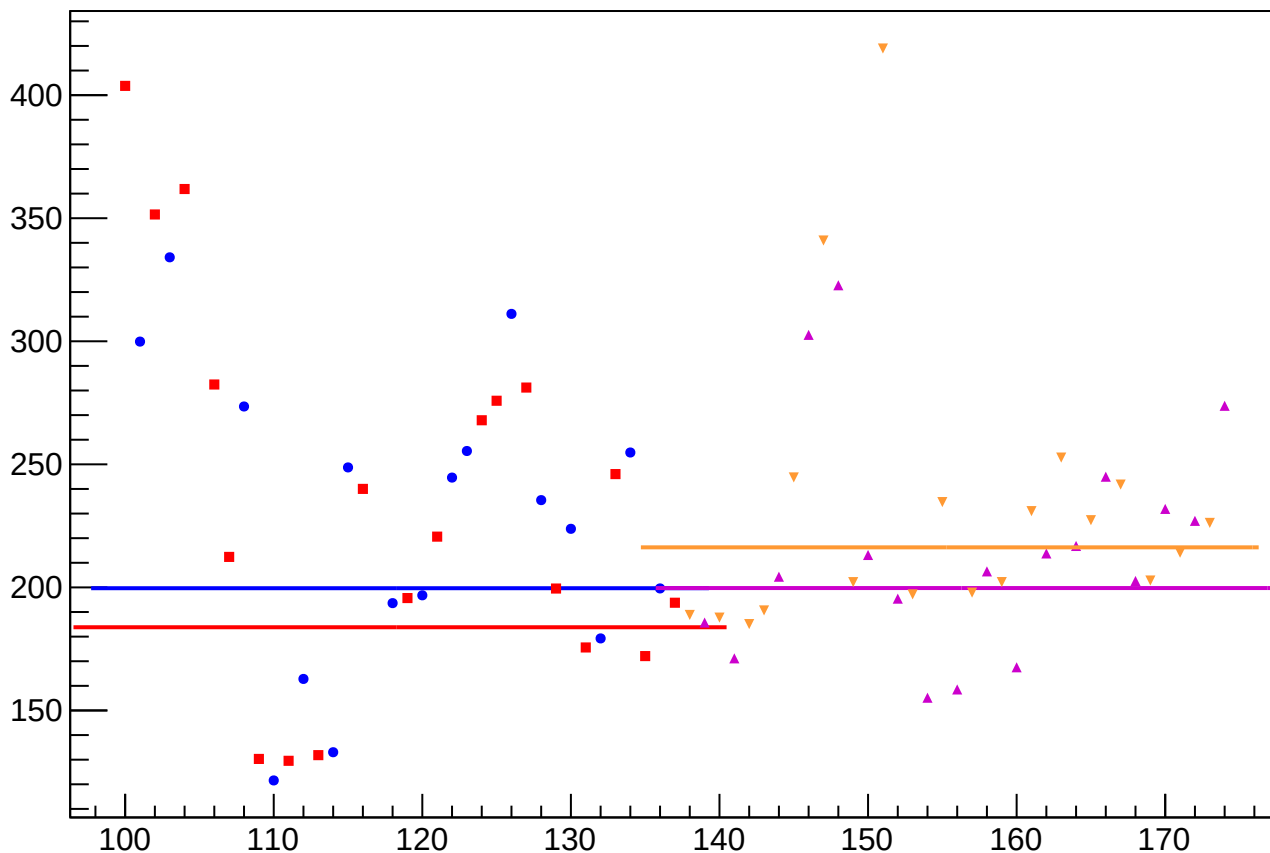
Left In: -455.002 $\pm$ 55.496 χ^2 /NDF:1123.7/17

+ sign 368.587 $\pm$ 47.738 χ^2 /NDF: 2050.5/35

All: 203.688 $\pm$ 32.501 χ^2 /NDF: 4022.0/72

- sign 61.209 $\pm$ 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: 216.273 $\pm$ 0.042 χ^2 /NDF: 816423.2/18

Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

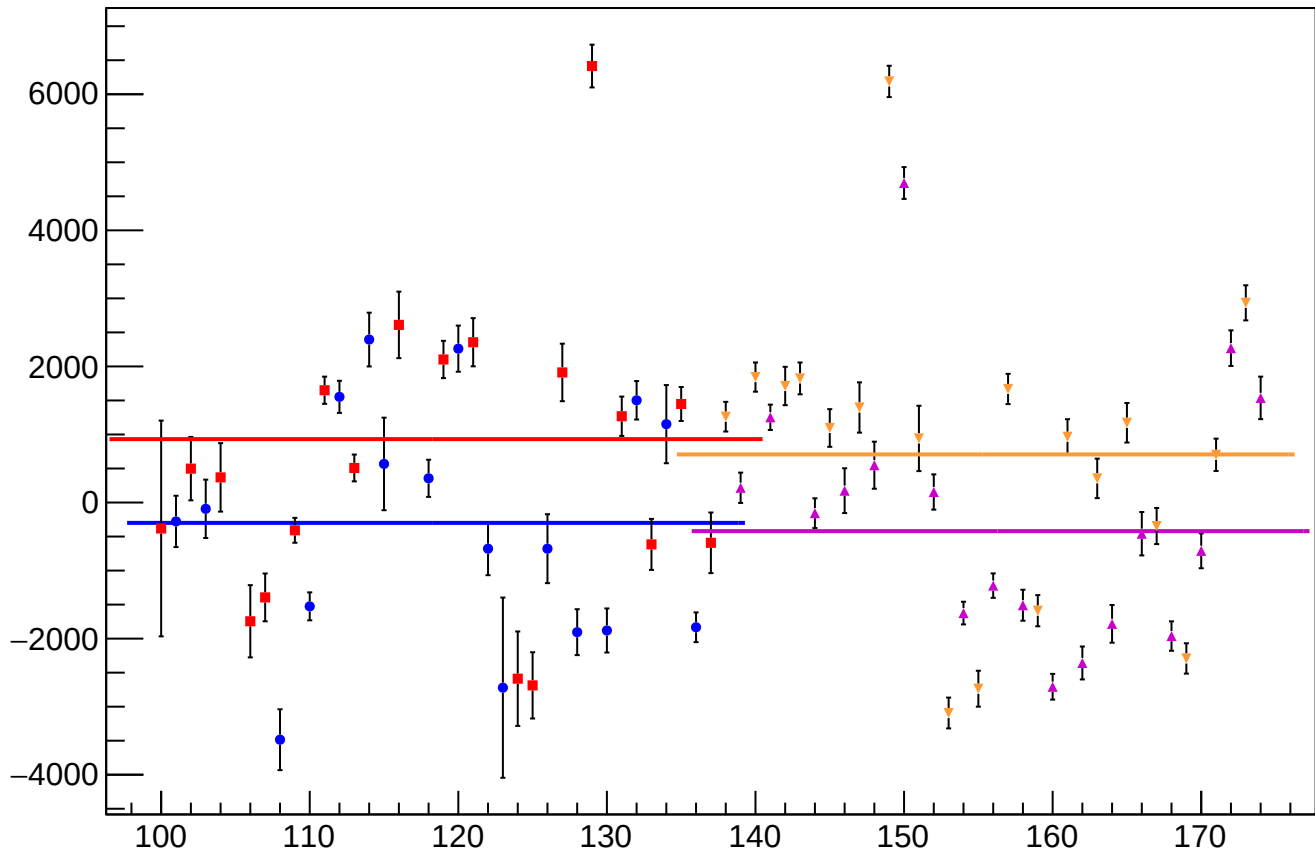
Left In: 199.734 $\pm$ 0.039 χ^2 /NDF: 984359.8/17

+ sign 210.551 $\pm$ 0.034 χ^2 /NDF: 1814222.9/35

All: 201.666 $\pm$ 0.023 χ^2 /NDF: 4336728.7/72

- 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: 706.826 ± 58.115 χ^2/NDF : 1490.4/18

Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

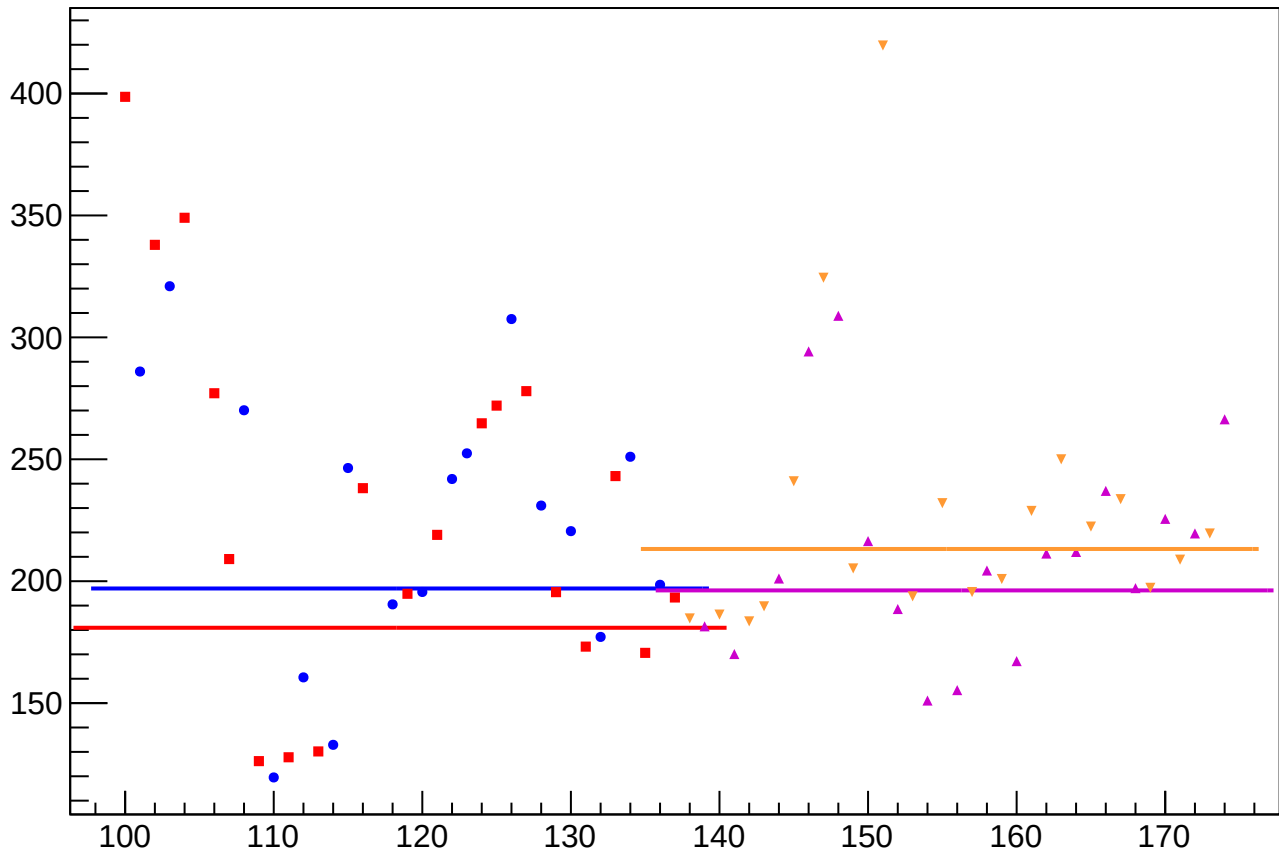
Left In: -420.274 ± 54.509 χ^2/NDF : 1112.9/17

+ sign 360.321 ± 47.051 χ^2/NDF : 2000.2/35

All: 201.981 ± 31.989 χ^2/NDF : 3970.2/72

- 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: 213.217+/-0.041 χ^2/NDF : 790261.4/18

Right Out: 180.906+/-0.051 χ^2/NDF : 1345685.7/18

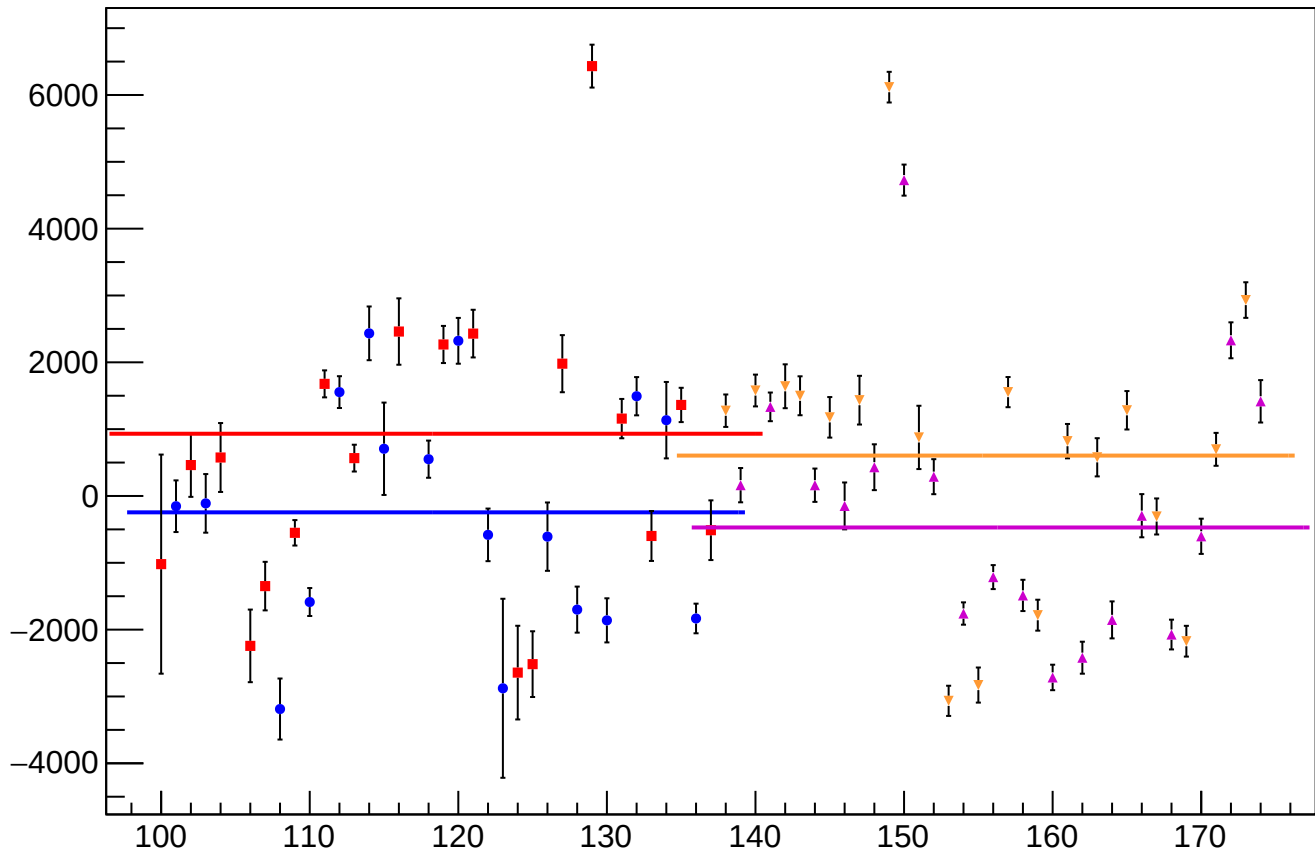
Left In: 196.225+/-0.039 χ^2/NDF : 945820.0/17

+ sign 207.635+/-0.033 χ^2/NDF : 1755753.2/35

All: 198.537+/-0.023 χ^2/NDF : 4243102.0/72

- sign 190.717+/-0.031 χ^2/NDF : 2348296.6/36

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 $\chi^2/\text{NDF}: 391.4/16$

Left Out: 604.480 ± 60.564 $\chi^2/\text{NDF}: 1429.6/18$

Right Out: 931.272 ± 74.206 $\chi^2/\text{NDF}: 609.7/18$

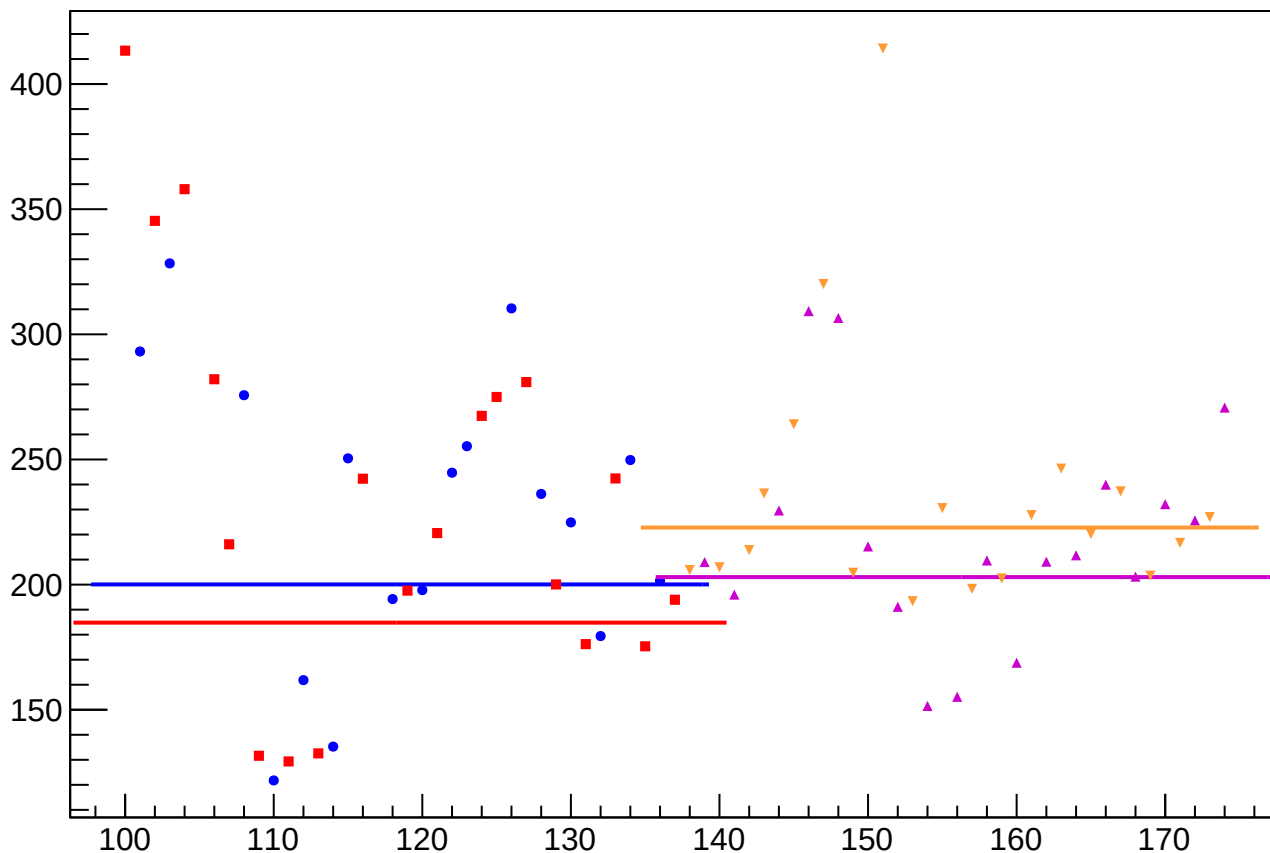
Left In: -471.253 ± 56.446 $\chi^2/\text{NDF}: 1121.3/17$

+ sign 301.791 ± 48.589 $\chi^2/\text{NDF}: 1891.1/35$

All: 162.175 ± 32.986 $\chi^2/\text{NDF}: 3863.7/72$

- sign 42.818 ± 44.926 $\chi^2/\text{NDF}: 1957.3/36$

asym_bpm0l09WS_rms vs Slug



Right In: 200.078+/-0.058 χ^2/NDF : 918309.2/16

Left Out: 222.806+/-0.043 χ^2/NDF : 653677.1/18

Right Out: 184.807+/-0.052 χ^2/NDF : 1318267.6/18

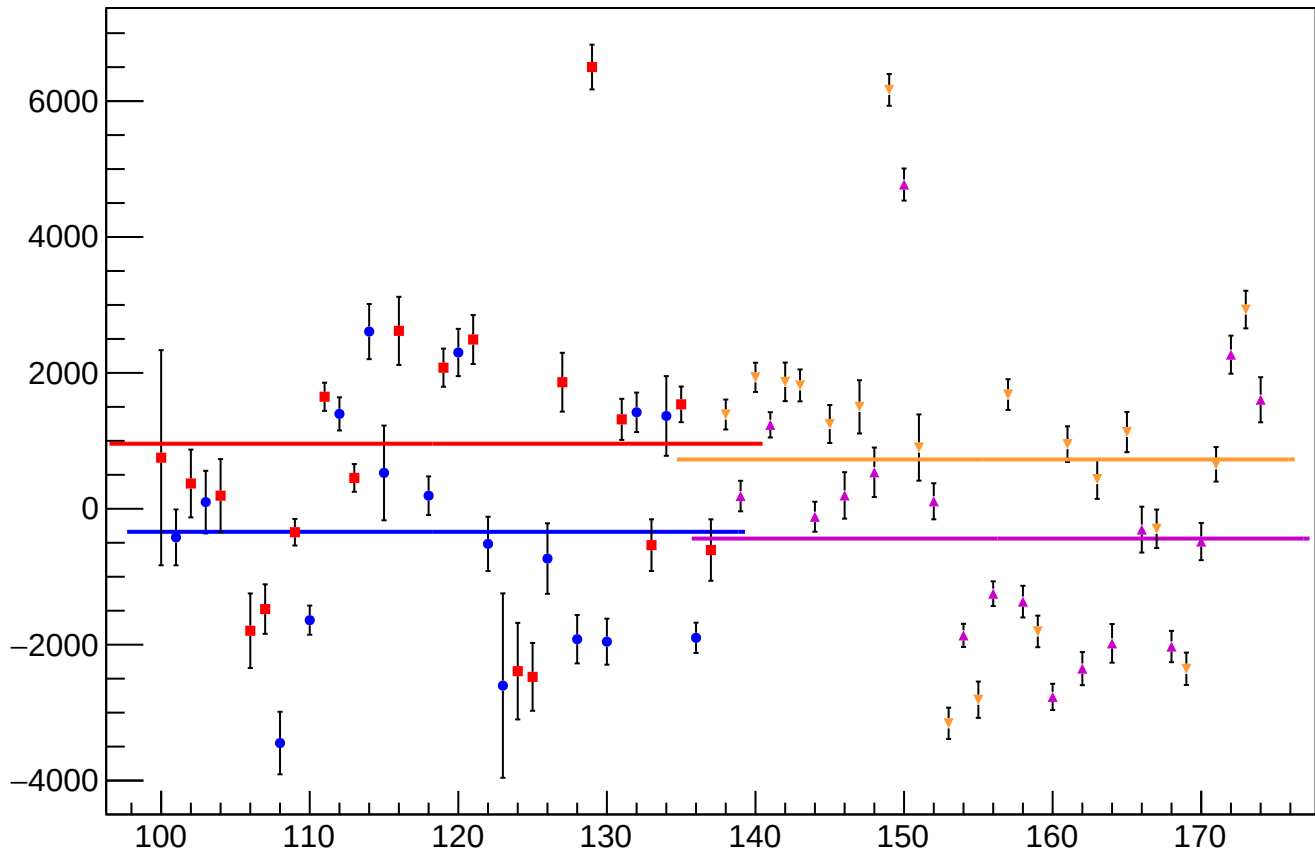
Left In: 203.005+/-0.040 χ^2/NDF : 958815.9/17

+ sign 214.707+/-0.034 χ^2/NDF : 1672354.2/35

All: 204.802+/-0.023 χ^2/NDF : 4179780.5/72

- sign 196.335+/-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: 726.434 ± 59.555 χ^2/NDF : 1473.2/18

Right Out: 957.615 ± 75.749 χ^2/NDF : 570.3/18

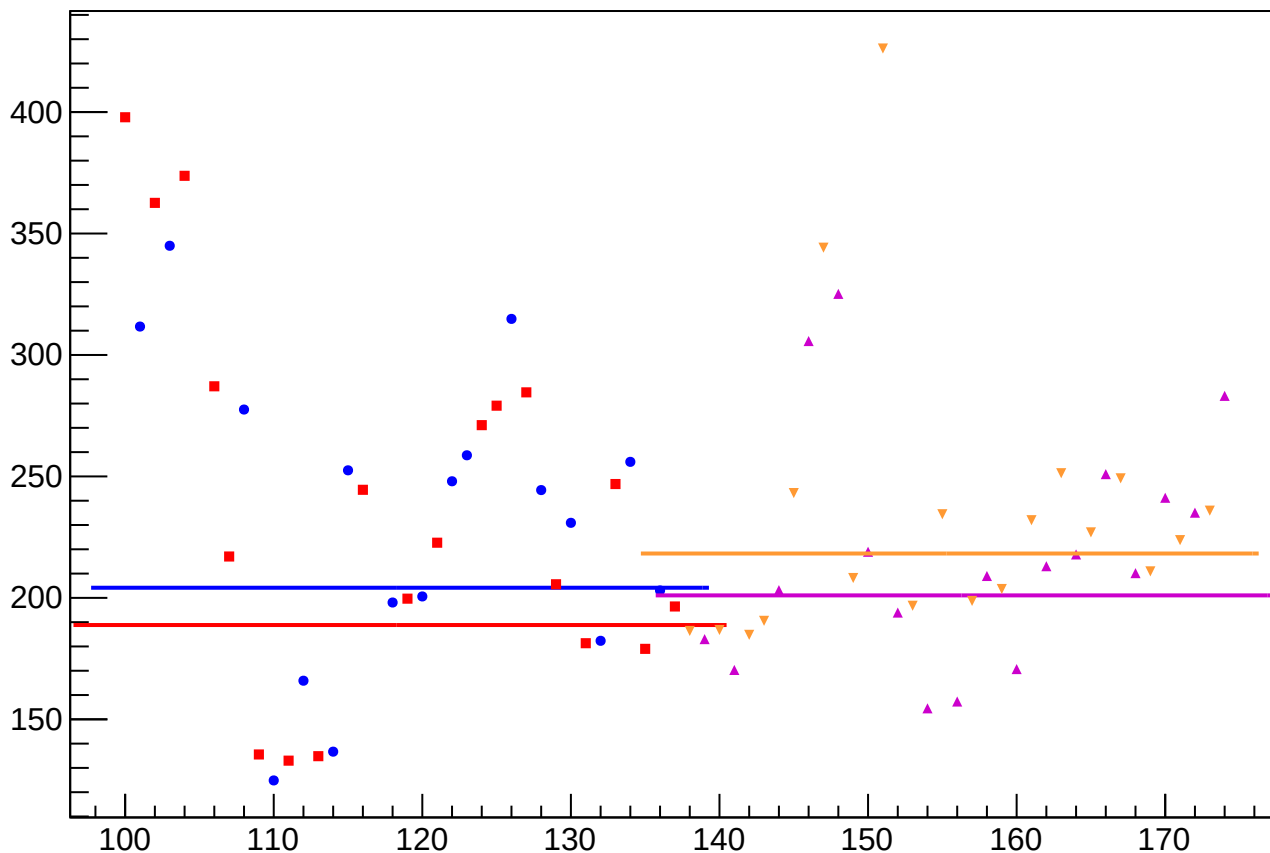
Left In: -438.261 ± 55.963 χ^2/NDF : 1113.2/17

+ sign 365.045 ± 48.412 χ^2/NDF : 1971.2/35

All: 198.544 ± 32.964 χ^2/NDF : 3896.5/72

- sign 54.614 ± 45.011 χ^2/NDF : 1903.2/36

asym_bpm0l10WS_rms vs Slug



Right In: 204.175+/-0.059 χ^2/NDF : 947438.5/16

Left Out: 218.263+/-0.042 χ^2/NDF : 845881.1/18

Right Out: 188.821+/-0.054 χ^2/NDF : 1314891.2/18

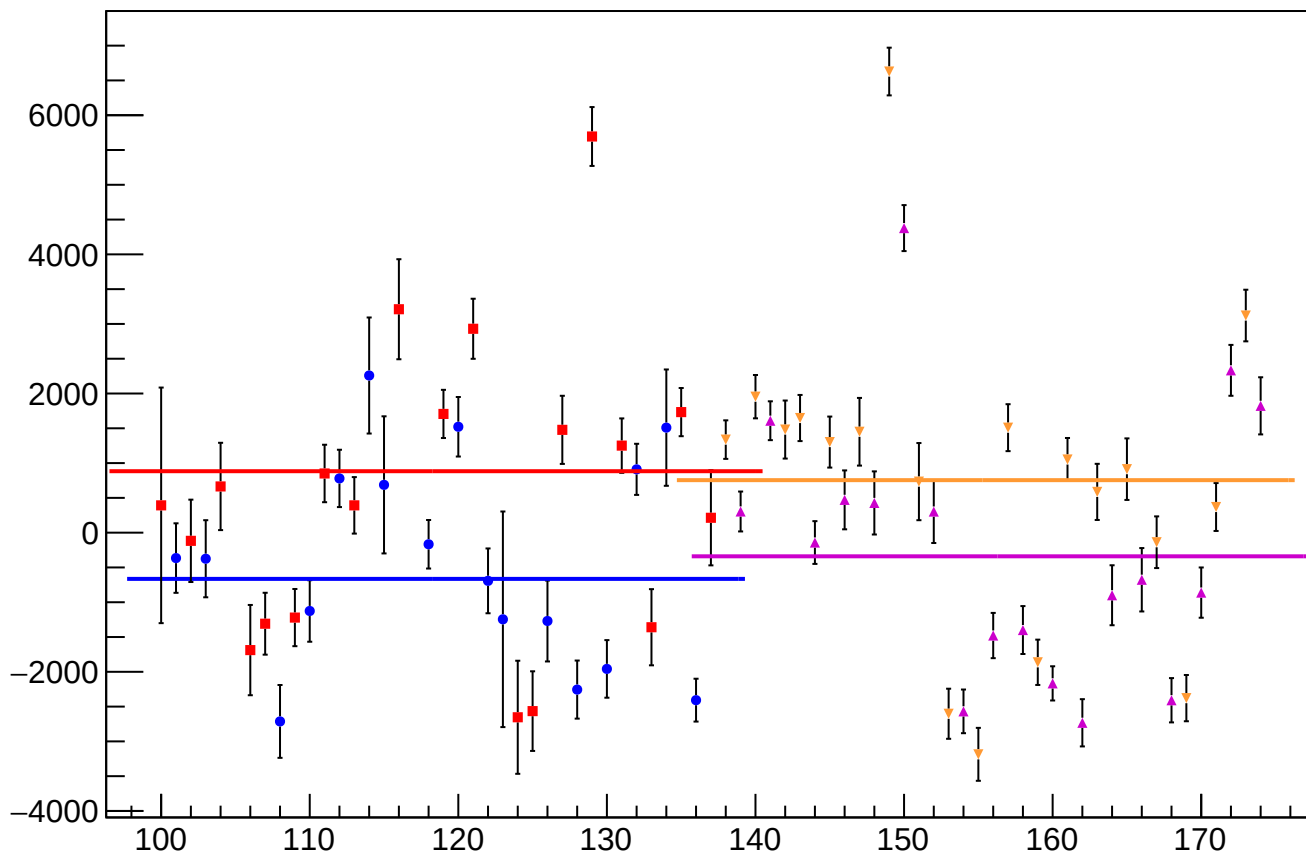
Left In: 201.025+/-0.040 χ^2/NDF : 1070573.0/17

+ sign 213.484+/-0.034 χ^2/NDF : 1831282.9/35

All: 204.491+/-0.023 χ^2/NDF : 4379027.4/72

- sign 196.716+/-0.032 χ^2/NDF : 2419049.7/36

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 χ^2/NDF : 154.3/16

Left Out: 754.646 ± 82.150 χ^2/NDF : 728.8/18

Right Out: 883.255 ± 110.875 χ^2/NDF : 320.1/18

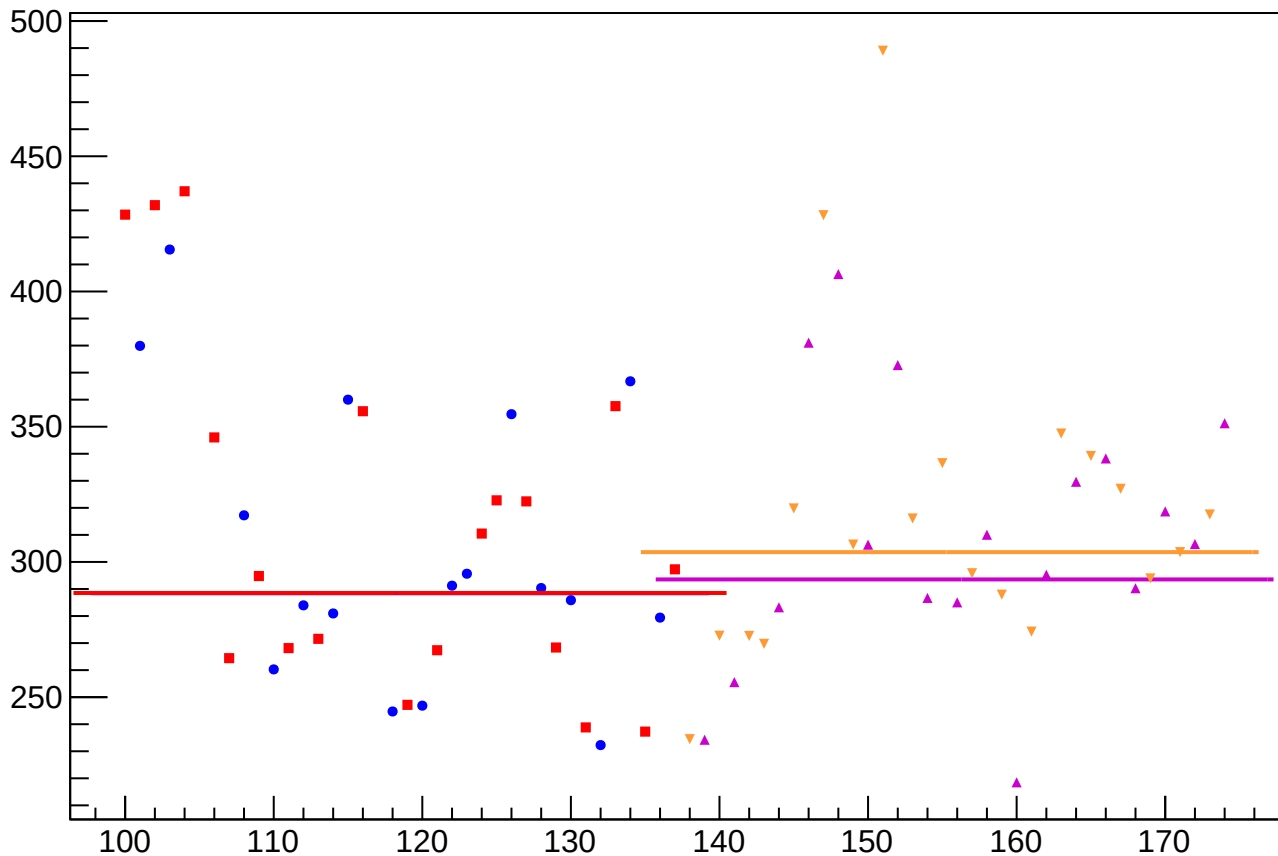
Left In: -339.935 ± 80.459 χ^2/NDF : 571.2/17

+ sign 269.343 ± 66.638 χ^2/NDF : 985.2/35

All: 173.518 ± 46.574 χ^2/NDF : 1960.2/72

- sign 82.008 ± 65.120 χ^2/NDF : 971.0/36

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 $\pm$ 0.081 χ^2 /NDF: 339820.0/16

Left Out: 303.628 $\pm$ 0.058 χ^2 /NDF: 625245.8/18

Right Out: 288.522 $\pm$ 0.078 χ^2 /NDF: 455410.1/18

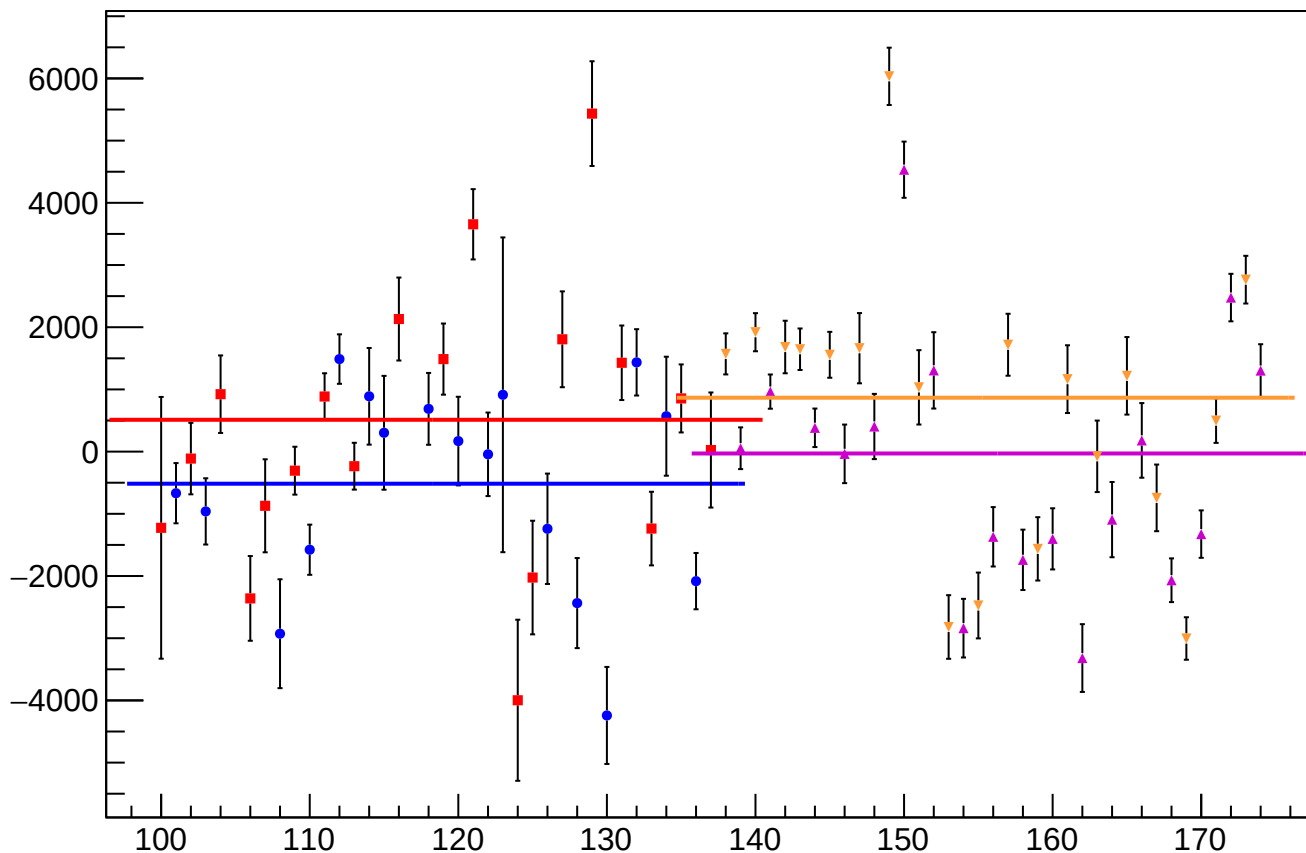
Left In: 293.538 $\pm$ 0.057 χ^2 /NDF: 677109.3/17

+ sign 298.429 $\pm$ 0.047 χ^2 /NDF: 988480.9/35

All: 295.042 $\pm$ 0.033 χ^2 /NDF: 2133783.9/72

- sign 291.807 $\pm$ 0.046 χ^2 /NDF: 1135200.3/36

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 χ^2/NDF : 108.0/16

Left Out: 866.593 ± 98.378 χ^2/NDF : 440.7/18

Right Out: 511.851 ± 135.798 χ^2/NDF : 141.3/18

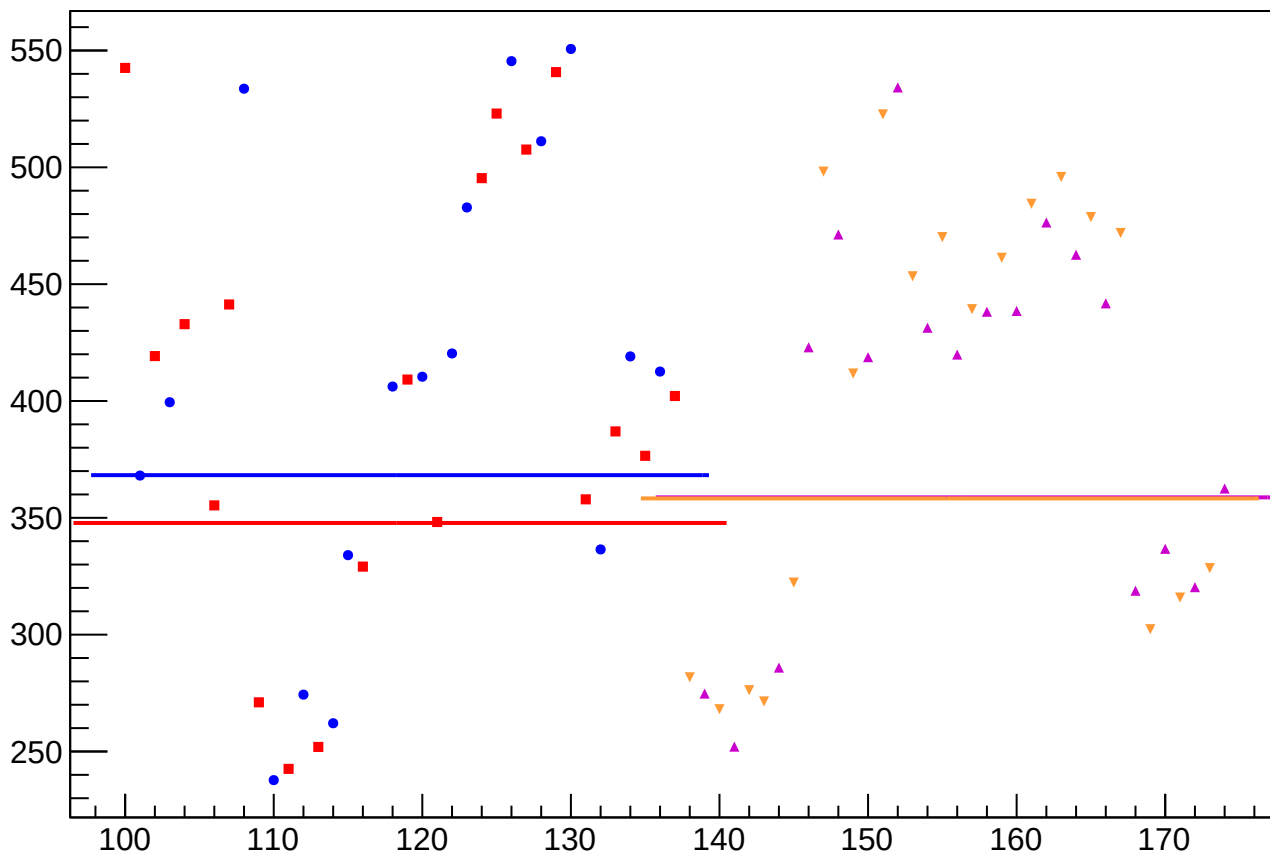
Left In: -29.800 ± 99.125 χ^2/NDF : 323.7/17

+ sign 440.250 ± 81.814 χ^2/NDF : 609.7/35

All: 296.320 ± 57.223 χ^2/NDF : 1091.1/72

- 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: 358.310 $\pm$ 0.070 χ^2 /NDF: 1585465.7/18

Right Out: 347.802 $\pm$ 0.096 χ^2 /NDF: 821862.5/18

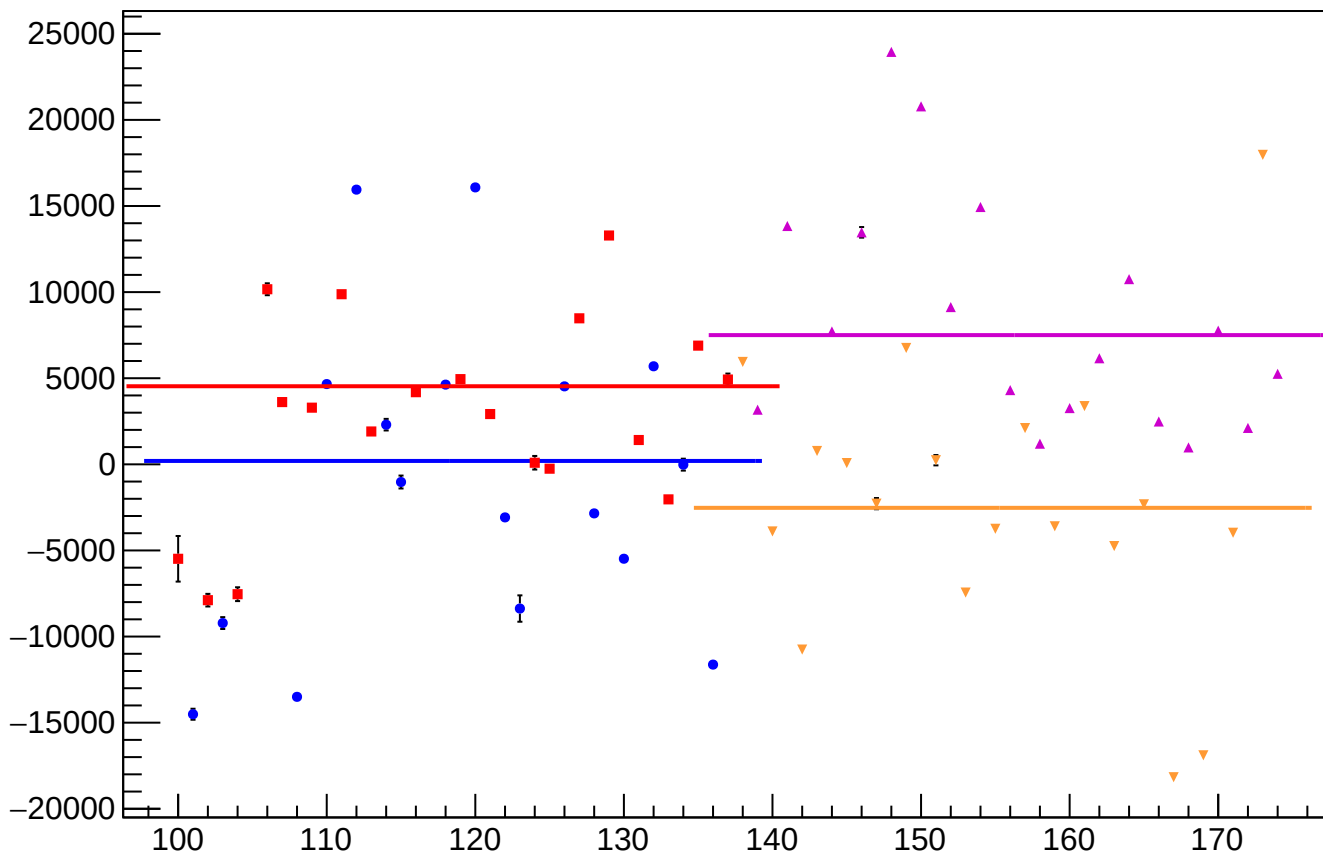
Left In: 358.755 $\pm$ 0.070 χ^2 /NDF: 1294430.2/17

+ sign 361.380 $\pm$ 0.058 χ^2 /NDF: 2361896.9/35

All: 358.094 $\pm$ 0.040 χ^2 /NDF: 4492991.6/72

- 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: -2525.898+/-45.950 χ^2/NDF : 29751.6/18

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

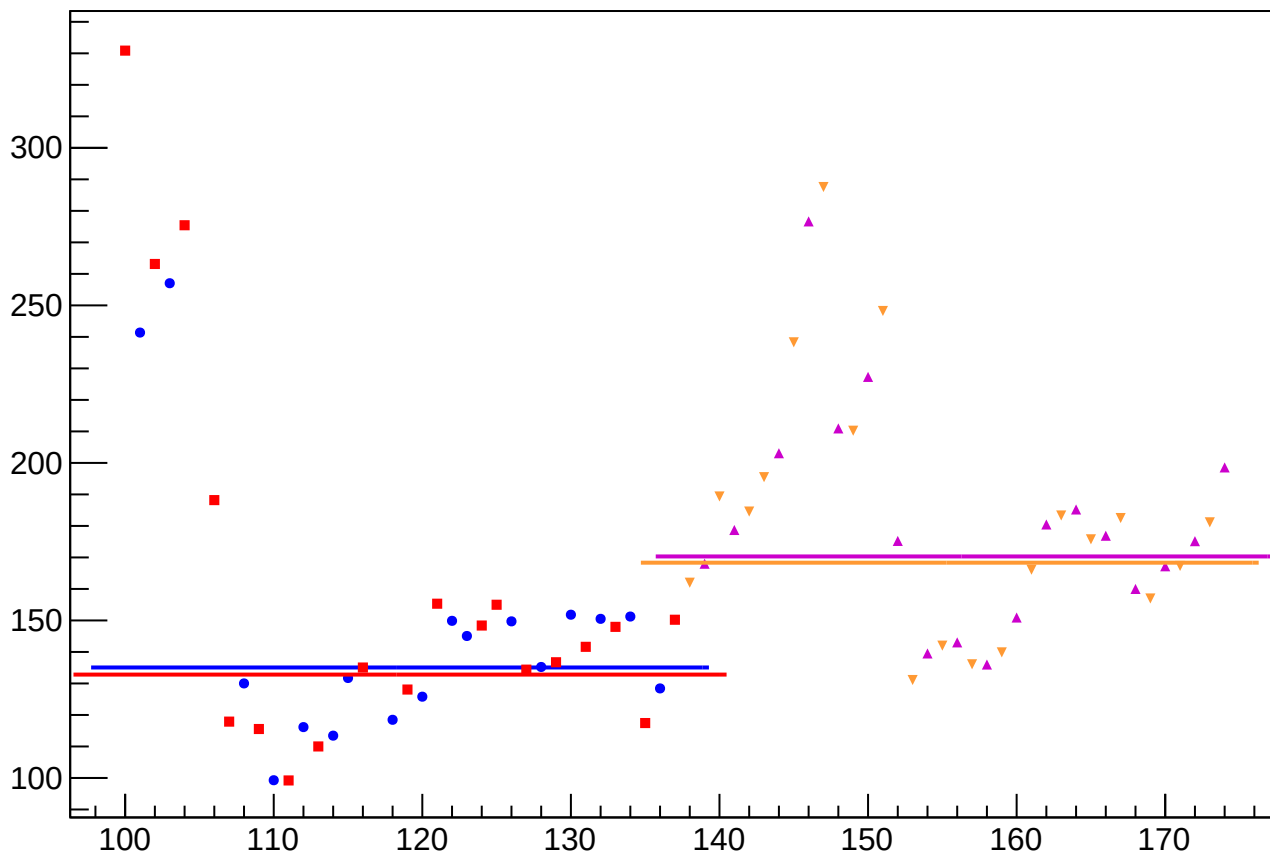
Left In: 7503.576+/-47.096 χ^2/NDF : 17289.1/17

+ sign -1401.752+/-35.210 χ^2/NDF : 61859.6/35

All: 2406.062+/-24.839 χ^2/NDF : 111682.5/72

- sign 6178.466+/-35.046 χ^2/NDF : 26540.4/36

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 168.335 $\pm$ 0.032 χ^2 /NDF: 1028551.6/18

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

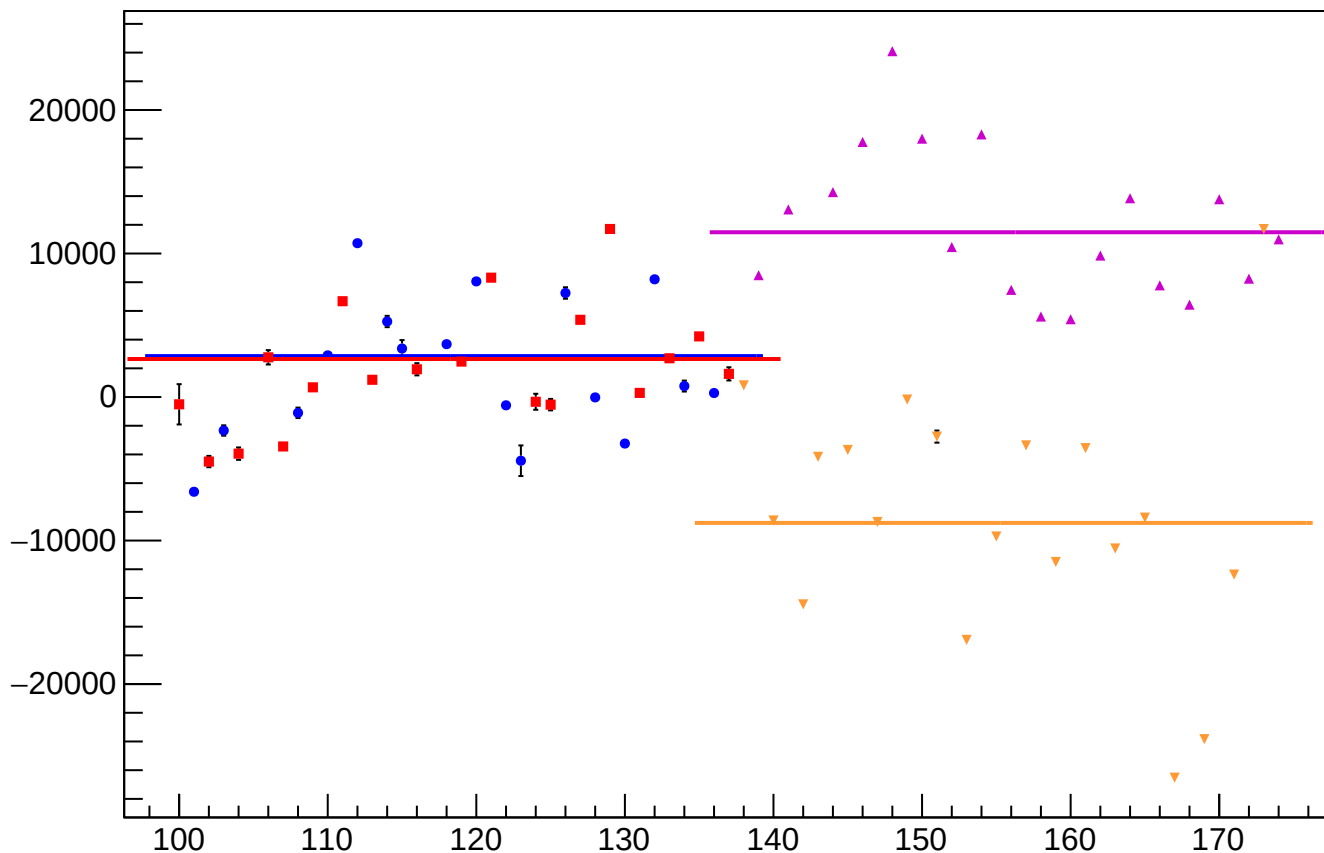
Left In: 170.315 $\pm$ 0.033 χ^2 /NDF: 769336.1/17

+ sign 154.602 $\pm$ 0.025 χ^2 /NDF: 2119935.7/35

All: 154.089 $\pm$ 0.018 χ^2 /NDF: 4287143.4/72

- sign 153.581 $\pm$ 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: -8770.420+/-51.770 χ^2/NDF : 29644.1/18

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

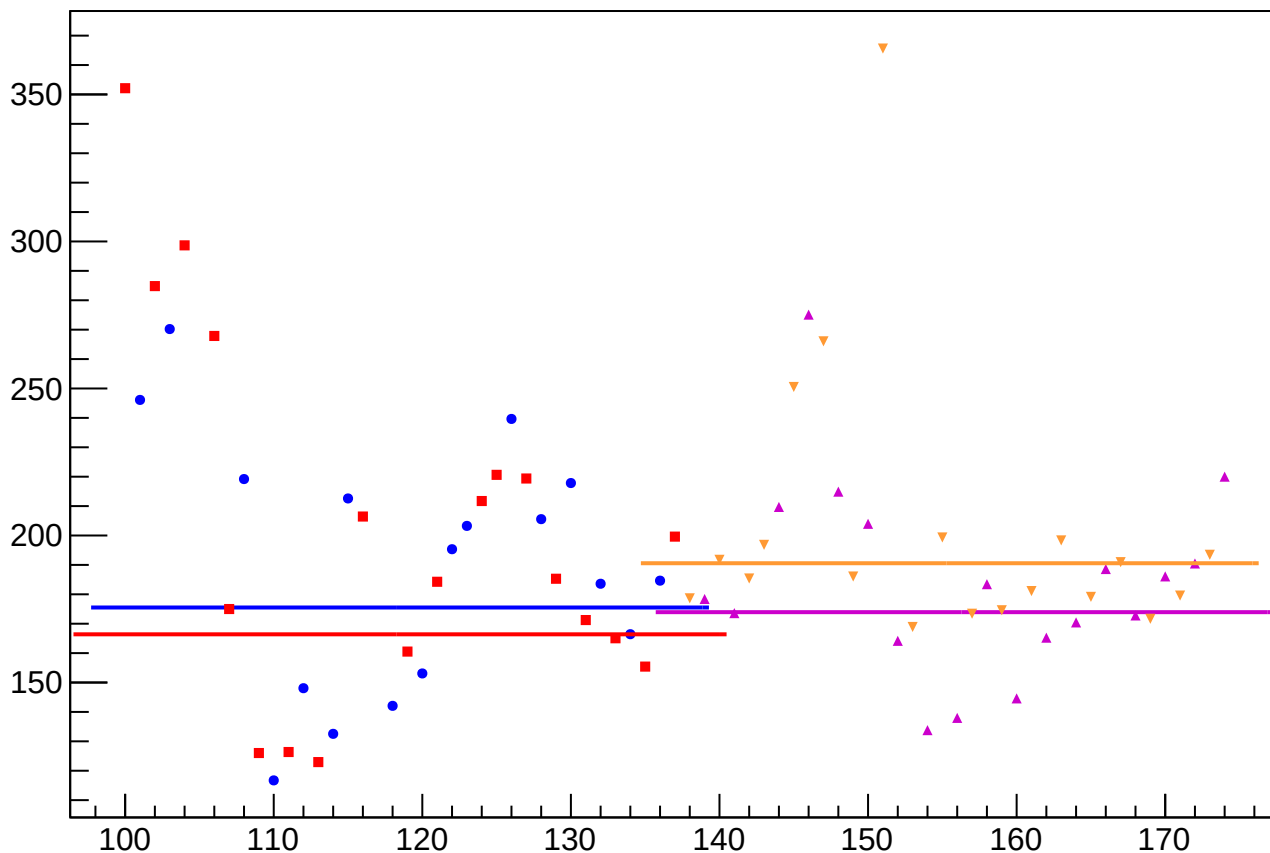
Left In: 11482.198+/-48.179 χ^2/NDF : 10807.9/17

+ sign -4717.883+/-41.780 χ^2/NDF : 51394.9/35

All: 2313.216+/-28.454 χ^2/NDF : 129944.0/72

- sign 8395.179+/-38.858 χ^2/NDF : 25731.0/36

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514+/-0.050 χ^2/NDF : 689642.3/16

Left Out: 190.569+/-0.037 χ^2/NDF : 656496.3/18

Right Out: 166.393+/-0.046 χ^2/NDF : 929534.5/18

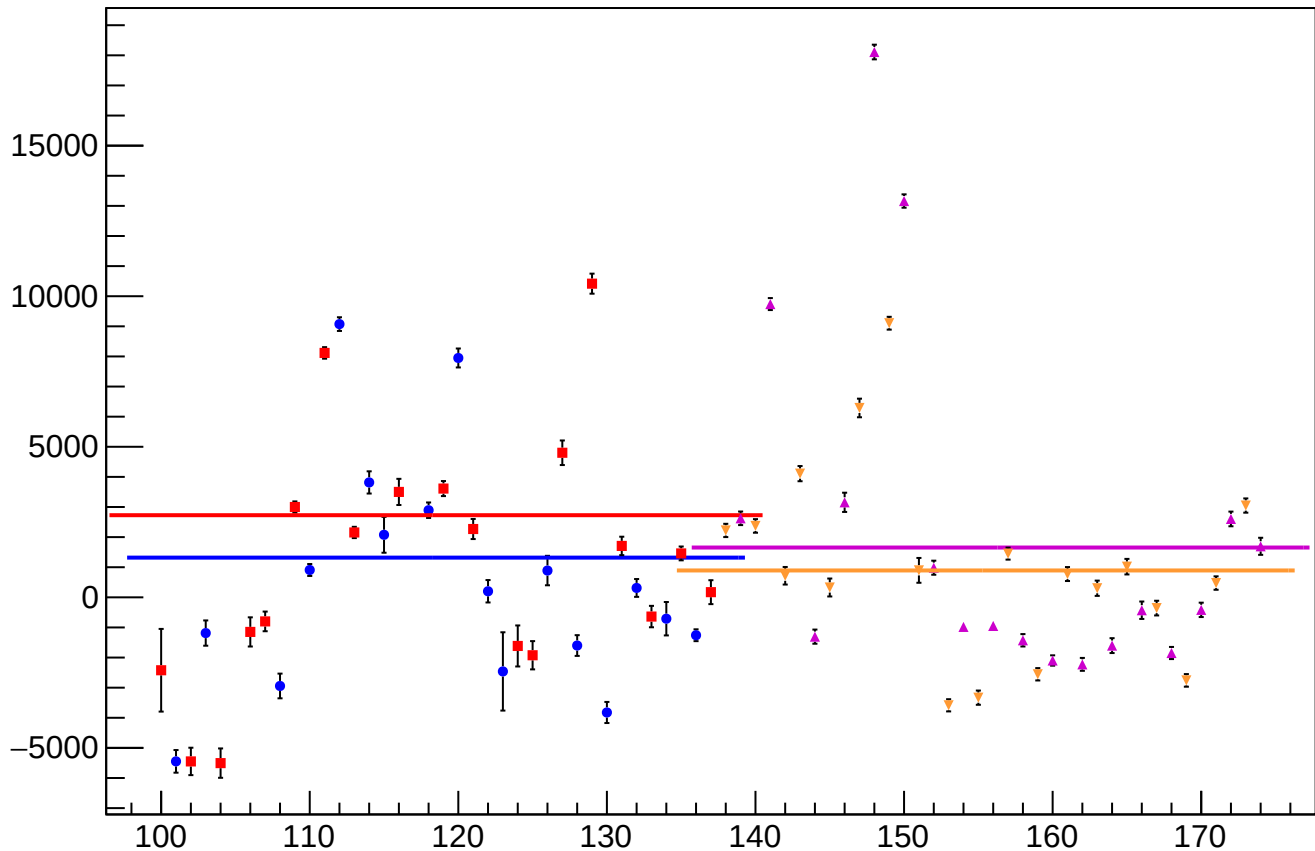
Left In: 173.928+/-0.034 χ^2/NDF : 776592.7/17

+ sign 185.319+/-0.030 χ^2/NDF : 1405111.3/35

All: 177.799+/-0.020 χ^2/NDF : 3249169.1/72

- sign 171.295+/-0.027 χ^2/NDF : 1723225.3/36

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 $\pm$ 77.146 χ^2 /NDF: 2667.0/16

Left Out: 892.609 $\pm$ 54.632 χ^2 /NDF:3554.6/18

Right Out: 2727.798 $\pm$ 70.029 χ^2 /NDF: 2495.9/18

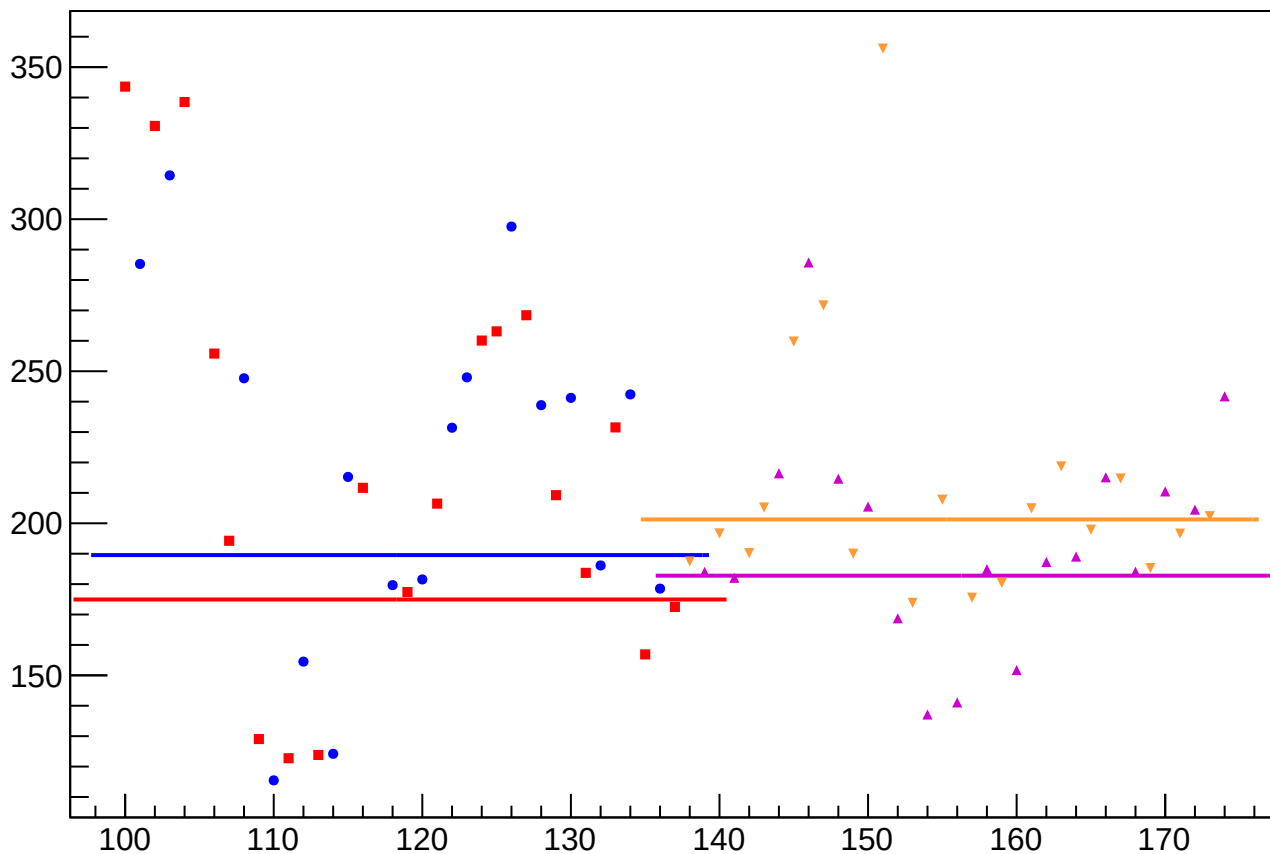
Left In: 1653.949 $\pm$ 50.720 χ^2 /NDF:11302.8/17

+ sign 1035.026 $\pm$ 44.584 χ^2 /NDF: 6242.0/35

All: 1569.625 $\pm$ 30.210 χ^2 /NDF: 20460.8/72

- sign 2023.439 $\pm$ 41.078 χ^2 /NDF: 13952.9/36

asym_bpm0i05WS_rms vs Slug



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 201.262+/-0.039 χ^2/NDF : 601891.9/18

Right Out: 174.944+/-0.050 χ^2/NDF : 1297106.6/18

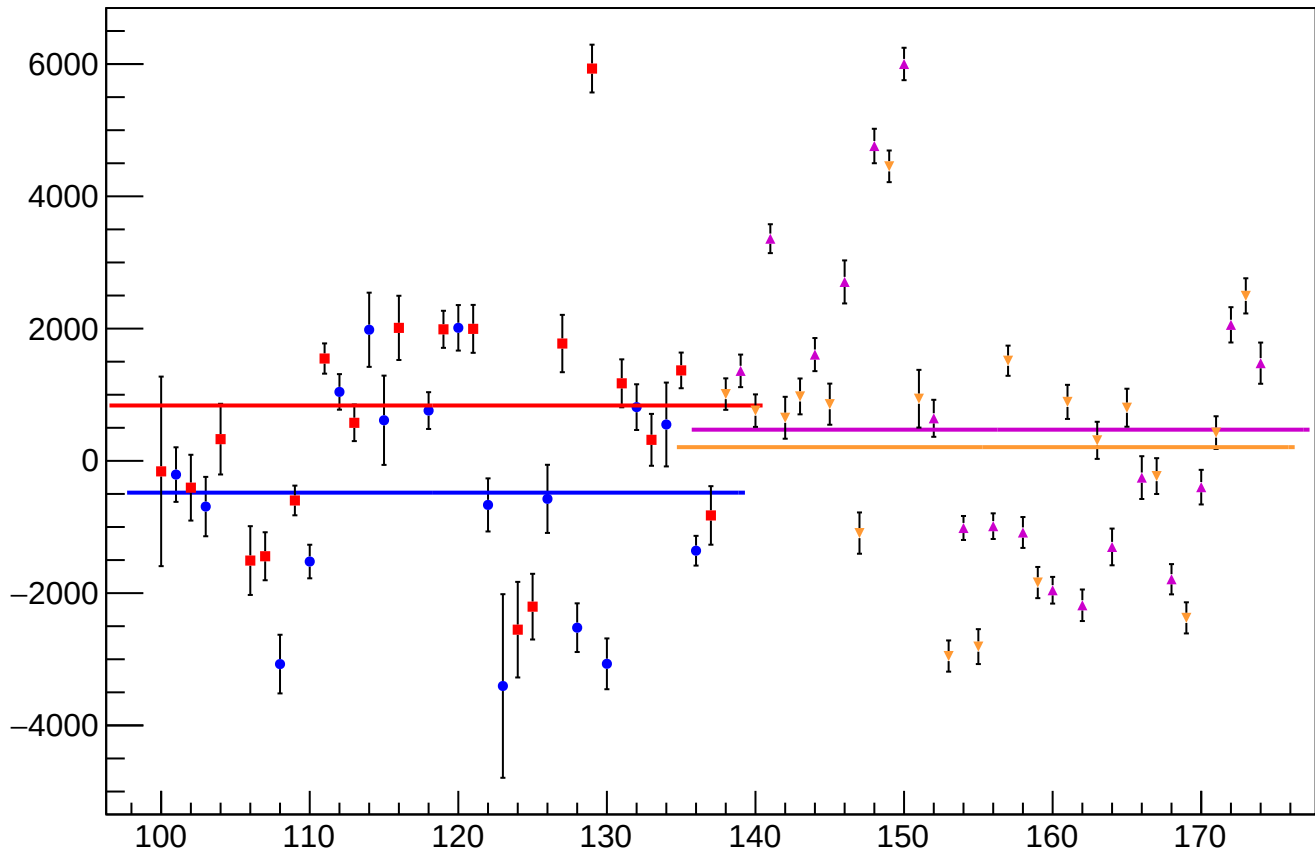
Left In: 182.774+/-0.036 χ^2/NDF : 846531.0/17

+ sign 197.348+/-0.032 χ^2/NDF : 1613366.1/35

All: 188.009+/-0.021 χ^2/NDF : 3935683.4/72

- sign 180.080+/-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: 207.390+/-60.567 χ^2/NDF : 992.7/18

Right Out: 837.442+/-82.243 χ^2/NDF : 435.3/18

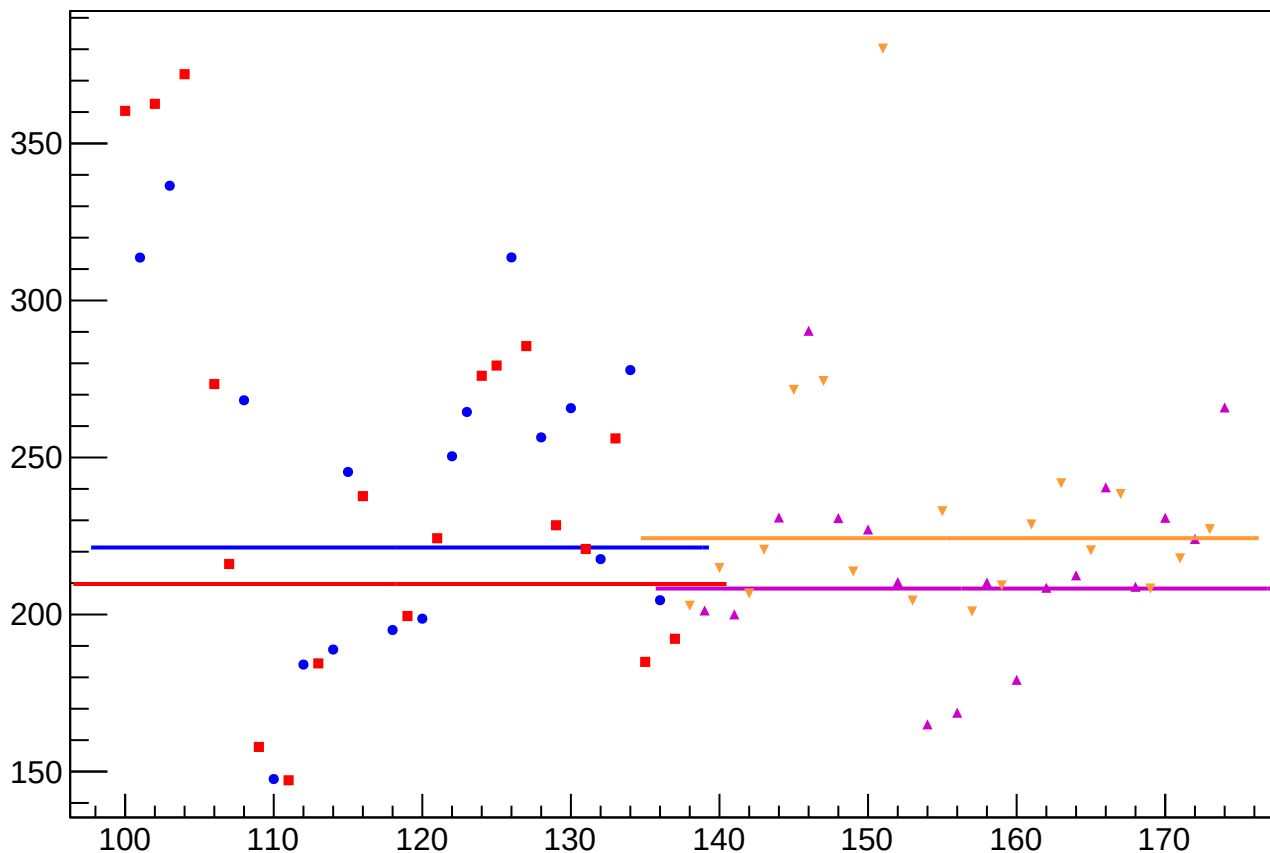
Left In: 471.622+/-57.258 χ^2/NDF : 1673.4/17

+ sign -11.580+/-50.008 χ^2/NDF : 1324.5/35

All: 308.459+/-34.245 χ^2/NDF : 3523.6/72

- 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: 224.309 $\pm$ 0.043 χ^2 /NDF: 452907.3/18

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

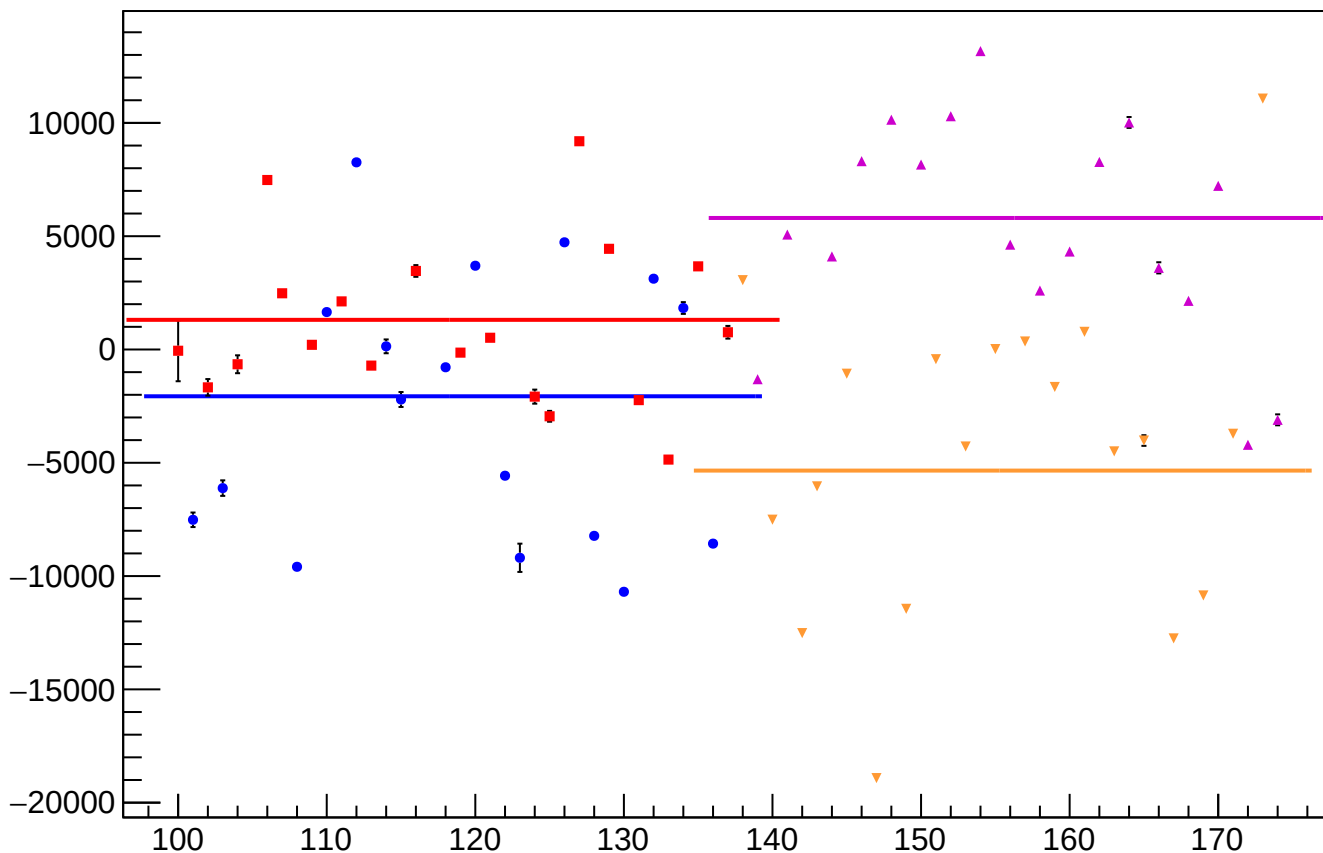
Left In: 208.270 $\pm$ 0.040 χ^2 /NDF: 523879.0/17

+ sign 223.365 $\pm$ 0.035 χ^2 /NDF: 1100122.7/35

All: 215.599 $\pm$ 0.024 χ^2 /NDF: 2599143.8/72

- 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: -5344.413 ± 35.577 $\chi^2/\text{NDF}: 36143.8/18$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

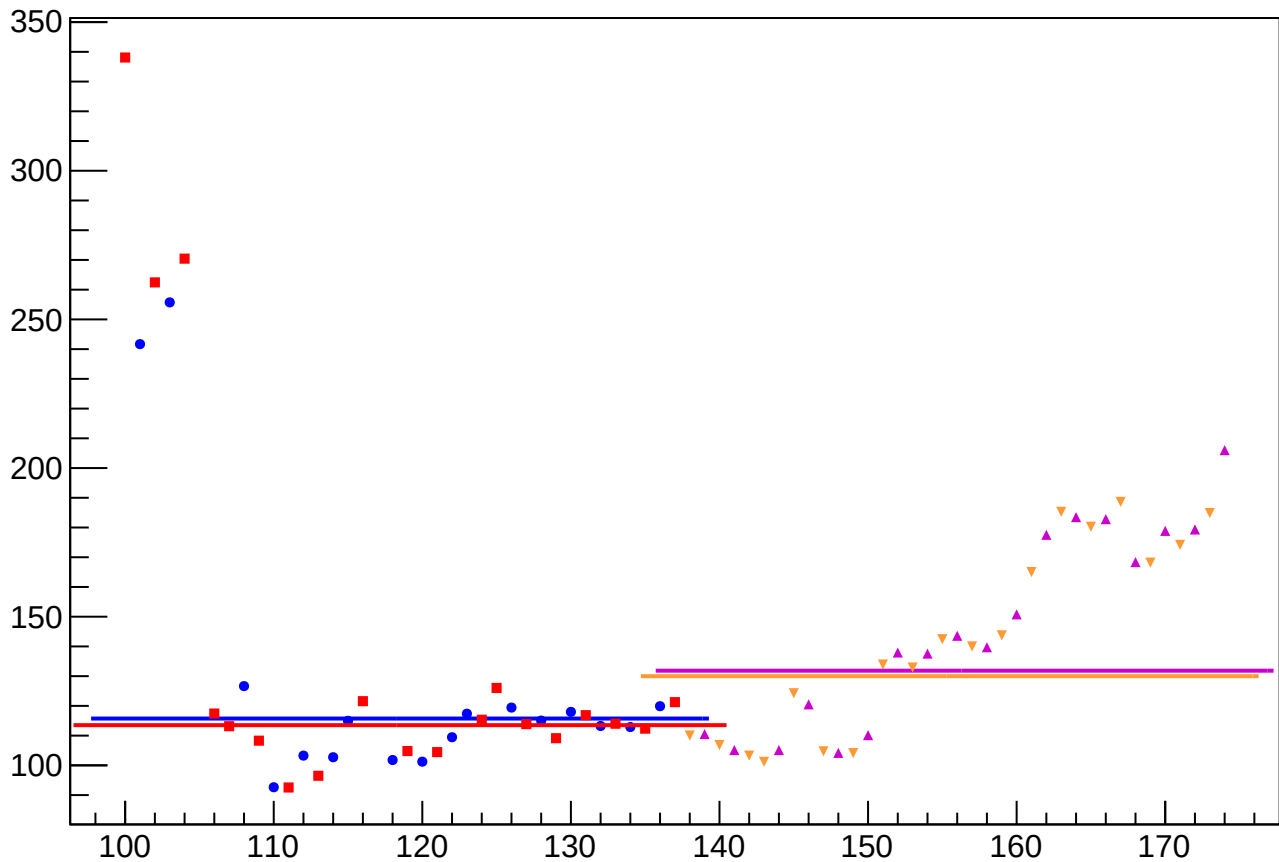
Left In: 5804.384 ± 36.451 $\chi^2/\text{NDF}: 13396.4/17$

+ sign -4160.242 ± 28.437 $\chi^2/\text{NDF}: 55745.0/35$

All: -52.281 ± 20.068 $\chi^2/\text{NDF}: 122634.4/72$

- sign 4023.255 ± 28.325 $\chi^2/\text{NDF}: 25317.7/36$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 $\pm$ 0.033 χ^2 /NDF: 744017.7/16

Left Out: 129.987 $\pm$ 0.025 χ^2 /NDF:1259948.8/18

Right Out: 113.519 $\pm$ 0.032 χ^2 /NDF: 796640.6/18

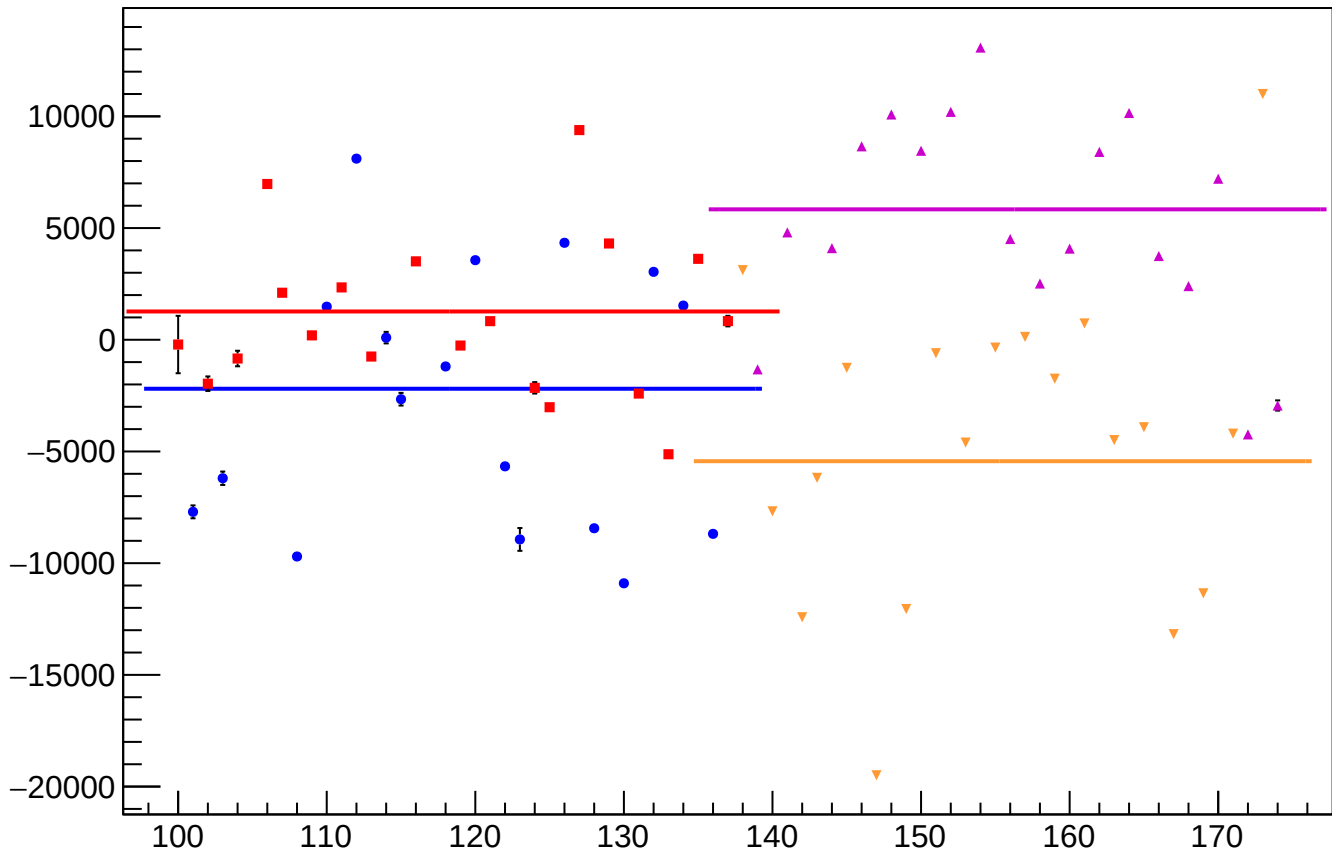
Left In: 131.843 $\pm$ 0.026 χ^2 /NDF:1252580.1/17

+ sign 124.843 $\pm$ 0.020 χ^2 /NDF: 2119776.6/35

All: 124.712 $\pm$ 0.014 χ^2 /NDF: 4369304.4/72

- sign 124.583 $\pm$ 0.020 χ^2 /NDF: 2249444.5/36

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 $\chi^2/\text{NDF}: 22813.5/16$

Left Out: -5435.700 ± 32.224 $\chi^2/\text{NDF}: 43613.2/18$

Right Out: 1266.189 ± 38.048 $\chi^2/\text{NDF}: 8550.5/18$

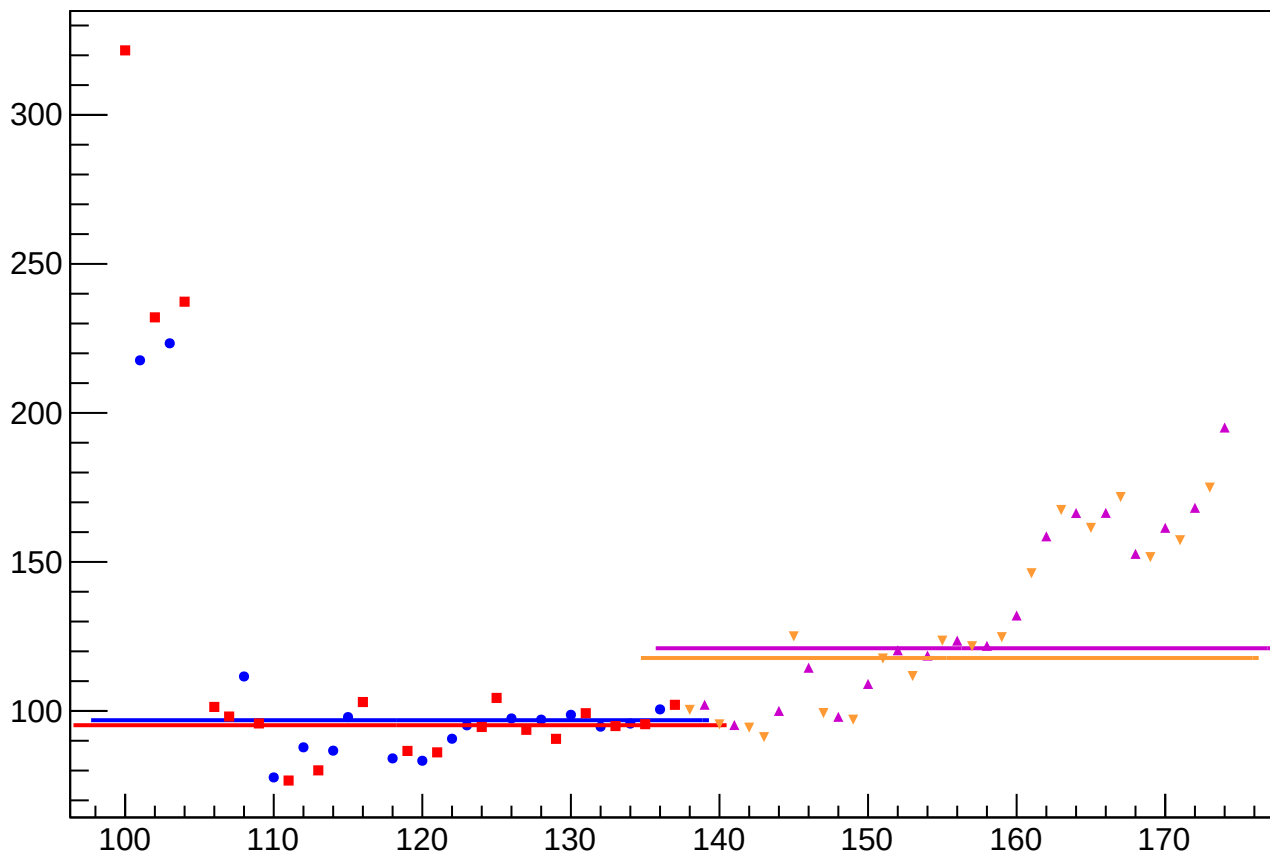
Left In: 5837.989 ± 33.402 $\chi^2/\text{NDF}: 16145.2/17$

+ sign -4157.026 ± 25.080 $\chi^2/\text{NDF}: 70420.6/35$

All: -157.819 ± 17.742 $\chi^2/\text{NDF}: 154165.8/72$

- sign 3848.146 ± 25.101 $\chi^2/\text{NDF}: 32849.7/36$

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 117.760+/-0.023 χ^2/NDF : 1190373.2/18

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

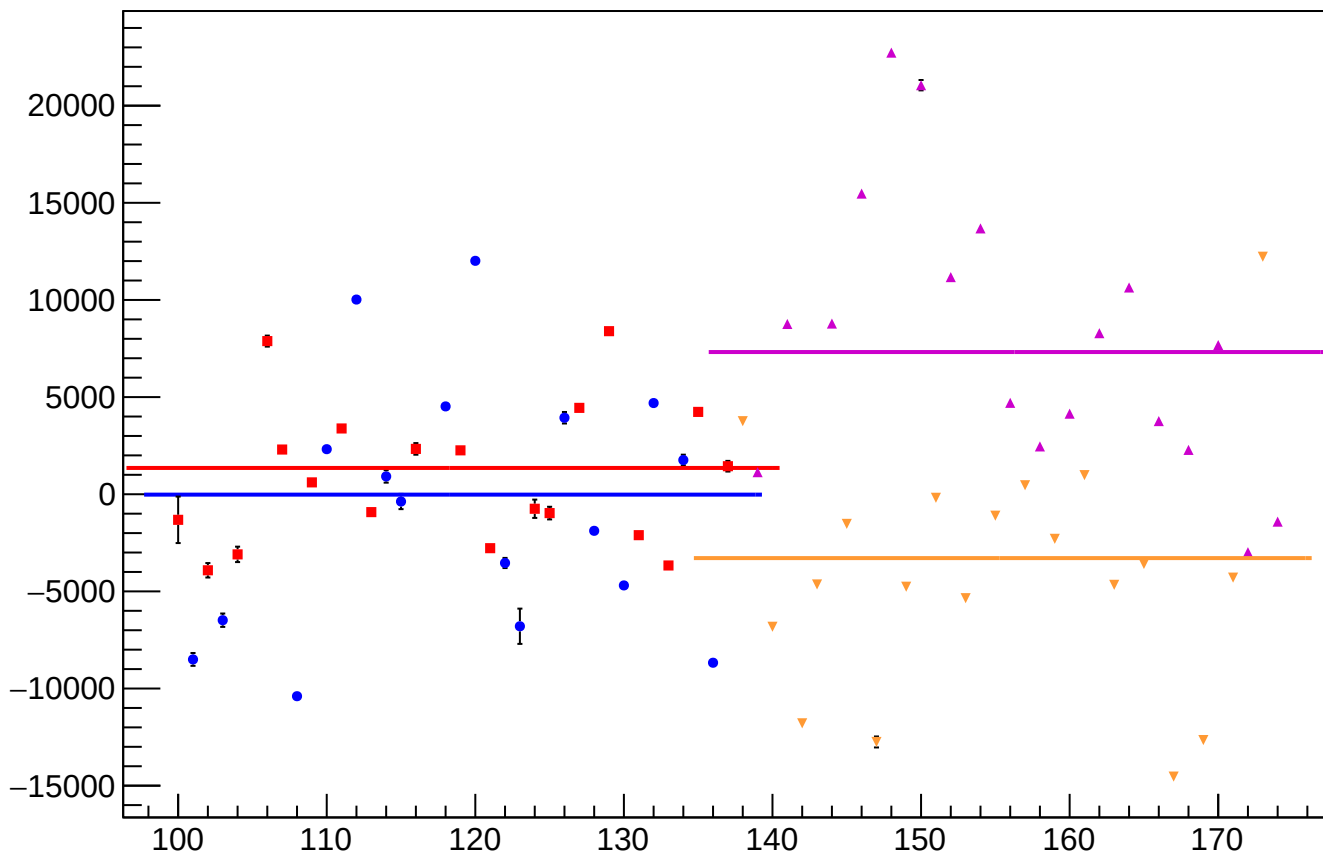
Left In: 121.041+/-0.024 χ^2/NDF : 1106093.8/17

+ sign 109.534+/-0.018 χ^2/NDF : 2338218.3/35

All: 109.667+/-0.013 χ^2/NDF : 4824679.3/72

- sign 109.799+/-0.018 χ^2/NDF : 2486348.9/36

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -3286.918 ± 43.756 χ^2/NDF : 16546.0/18

Right Out: 1353.461 ± 52.367 χ^2/NDF : 3837.2/18

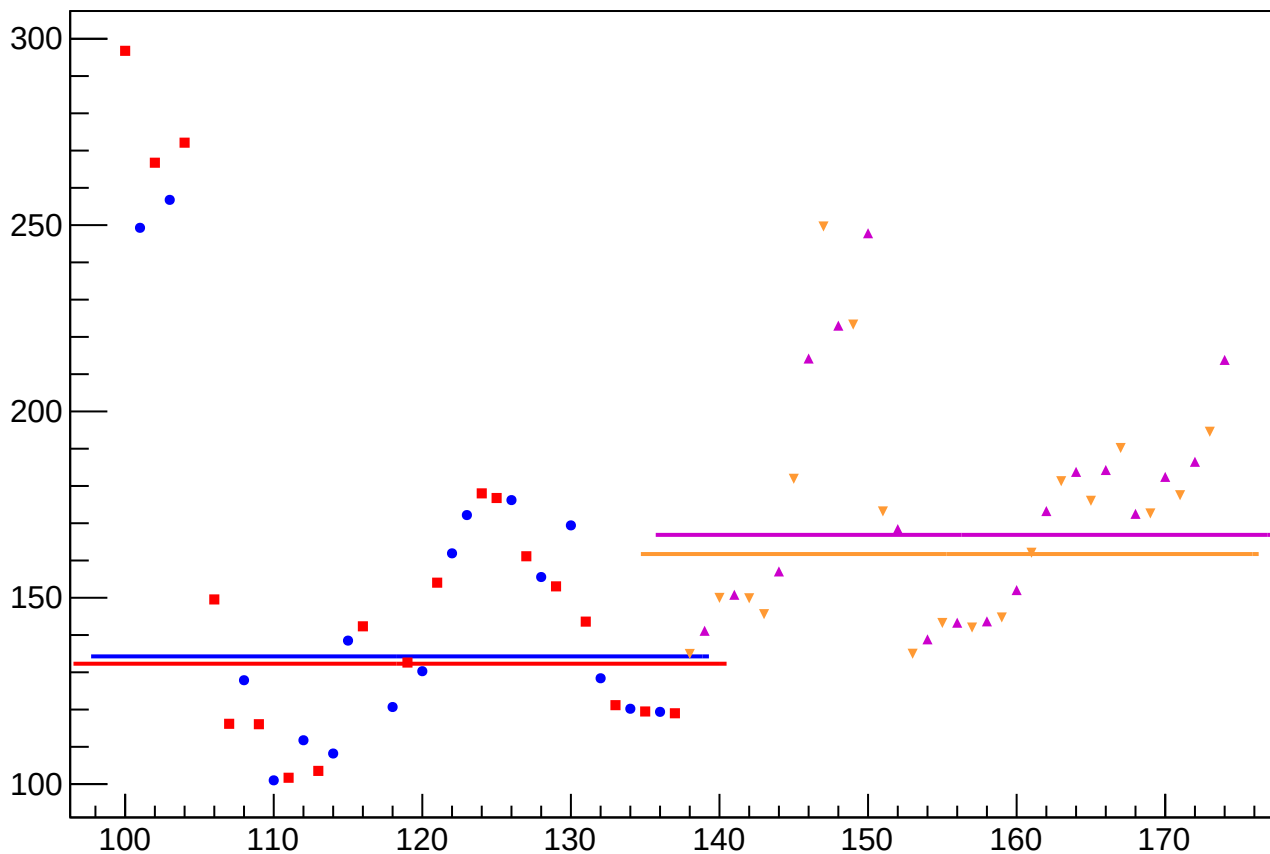
Left In: 7319.151 ± 45.716 χ^2/NDF : 17068.4/17

+ sign -2010.550 ± 34.155 χ^2/NDF : 35085.0/35

All: 1336.316 ± 24.251 χ^2/NDF : 82719.9/72

- sign 4738.995 ± 34.439 χ^2/NDF : 28270.7/36

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 $\pm$ 0.039 χ^2 /NDF: 788647.0/16

Left Out: 161.735 $\pm$ 0.031 χ^2 /NDF: 688792.9/18

Right Out: 132.302 $\pm$ 0.037 χ^2 /NDF: 869892.7/18

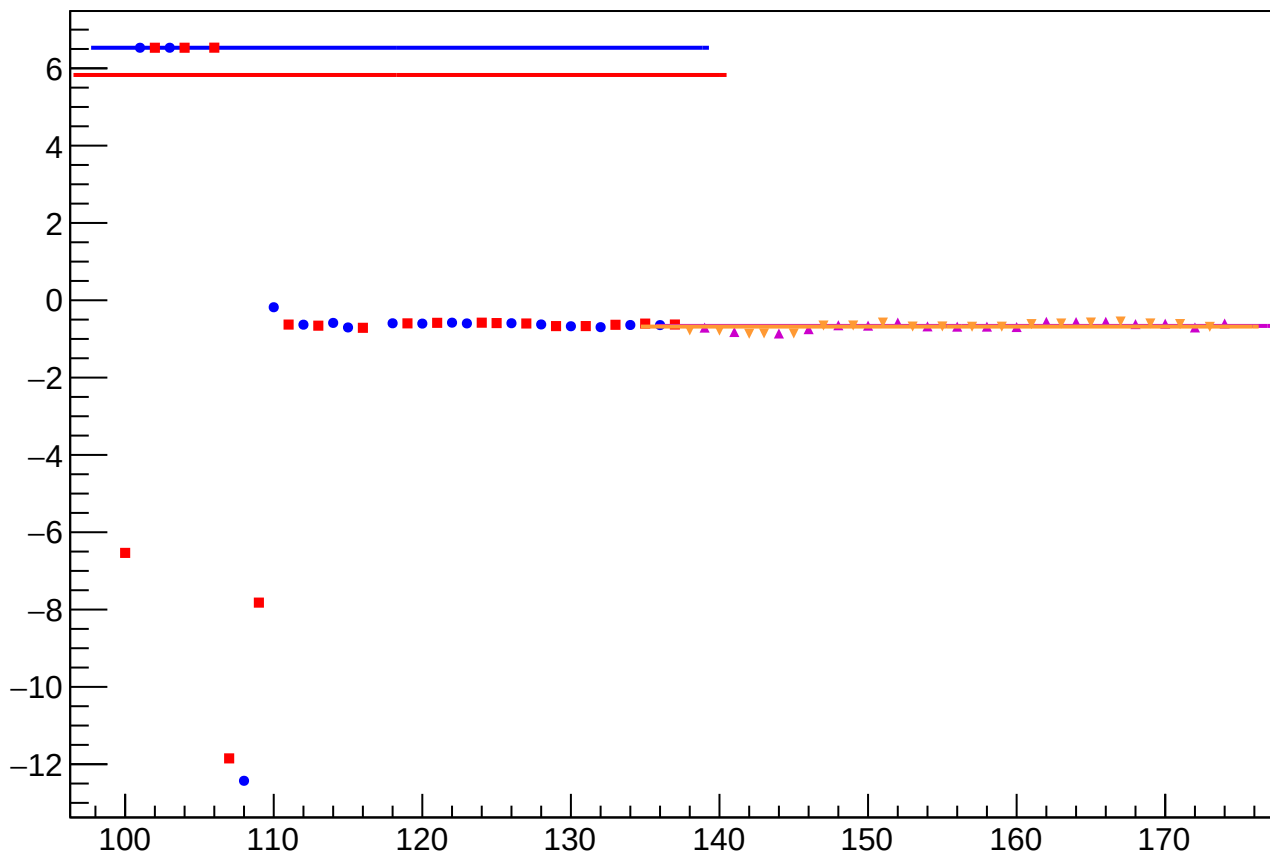
Left In: 166.878 $\pm$ 0.032 χ^2 /NDF: 717238.1/17

+ sign 151.004 $\pm$ 0.024 χ^2 /NDF: 1785349.1/35

All: 151.460 $\pm$ 0.017 χ^2 /NDF: 3868003.6/72

- sign 151.924 $\pm$ 0.024 χ^2 /NDF: 2081934.3/36

yield_cav4bX_mean vs Slug



Right In: 6.532+/-0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.681+/-0.000 χ^2/NDF : 127349300.2/18

Right Out: 5.827+/-0.000 χ^2/NDF : 755948646460090.5/18

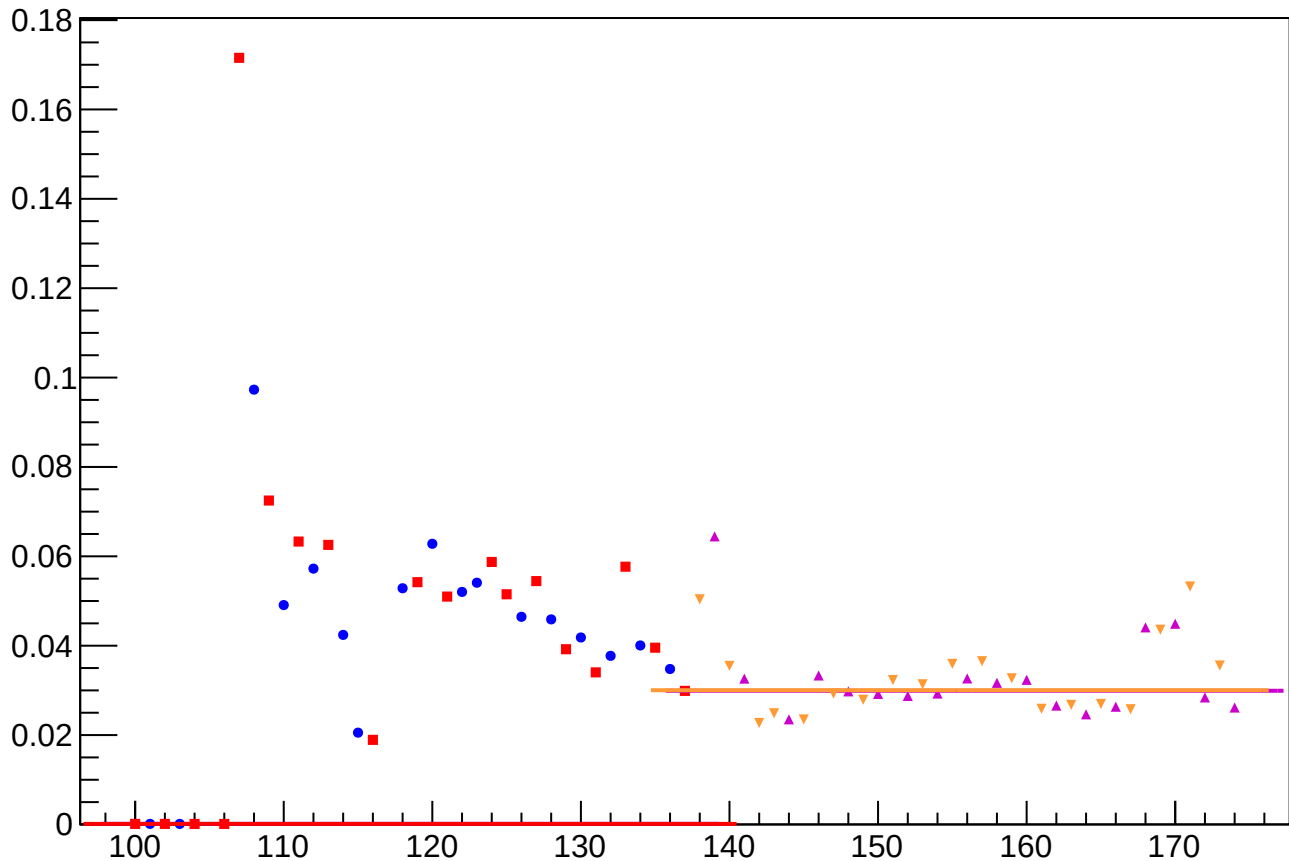
Left In: -0.664+/-0.000 χ^2/NDF : 100878138.4/17

+ sign 6.530+/-0.000 χ^2/NDF : 764659785750.8/35

All: 6.154+/-0.000 χ^2/NDF : 77721736240650

- sign 5.827+/-0.000 χ^2/NDF : 756461237100448.0/35

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 : 1030752.0/18

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

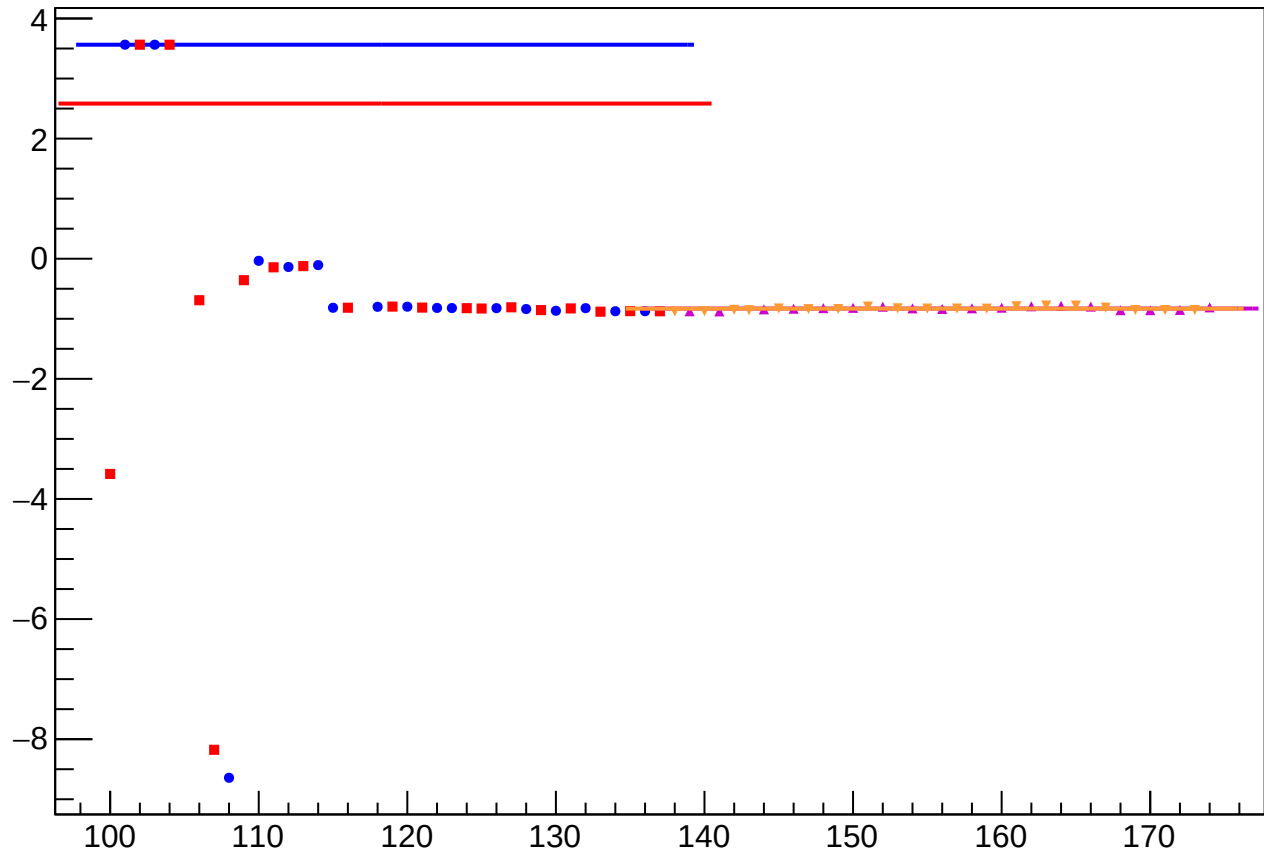
Left In: 0.030+/-0.000 χ^2/NDF : 913191.6/17

+ sign 0.000+/-0.000 χ^2/NDF : 31960278.3/35

All: 0.000+/-0.000 χ^2/NDF : 63841453.1/72

- 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 : 143455609.9/18

Right Out: 2.583+/-0.000 χ^2/NDF : 1253505323583154.2/18

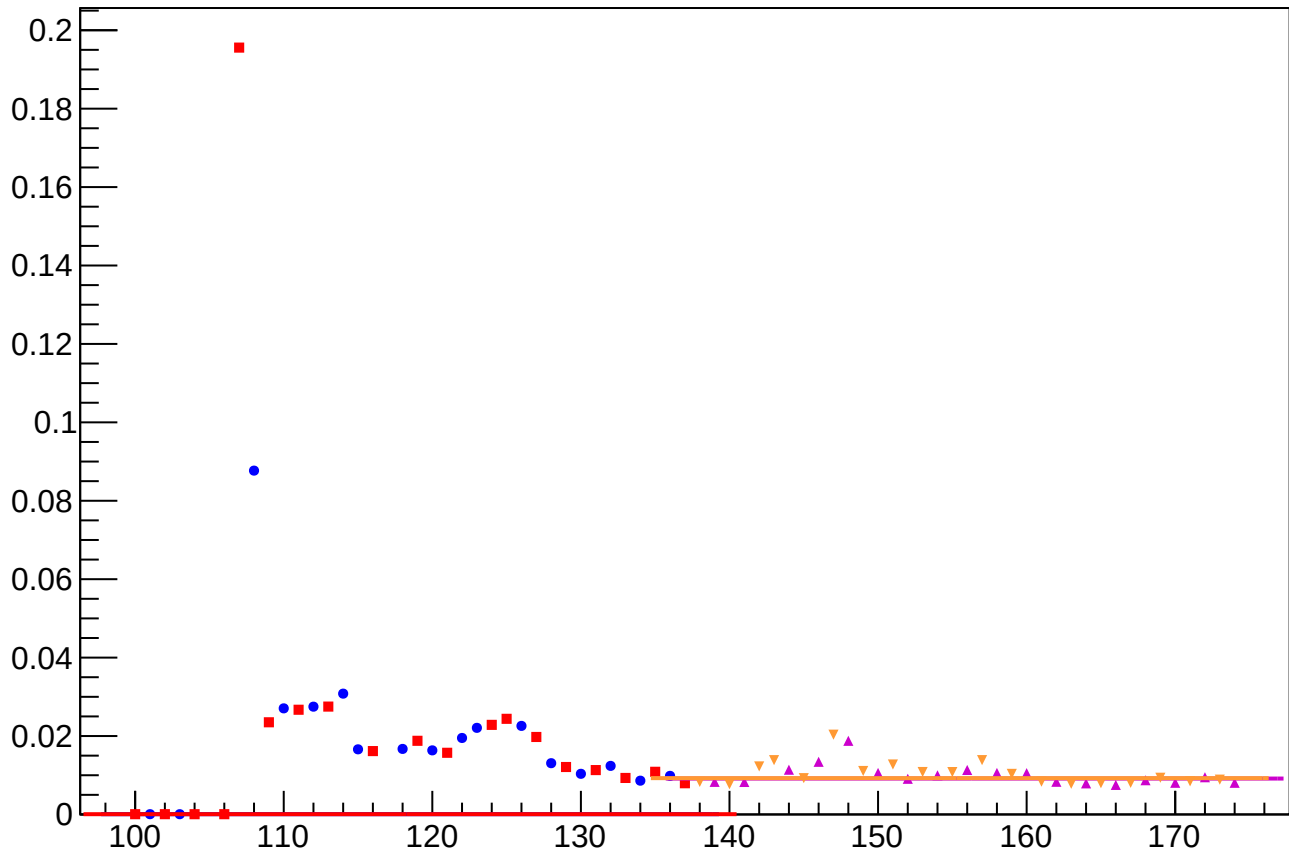
Left In: -0.830+/-0.000 χ^2/NDF : 124592000.7/17

+ sign 3.561+/-0.000 χ^2/NDF : 3081761156728.5/35

All: 3.038+/-0.000 χ^2/NDF : 13863123048093

- 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 :1079026.0/18

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

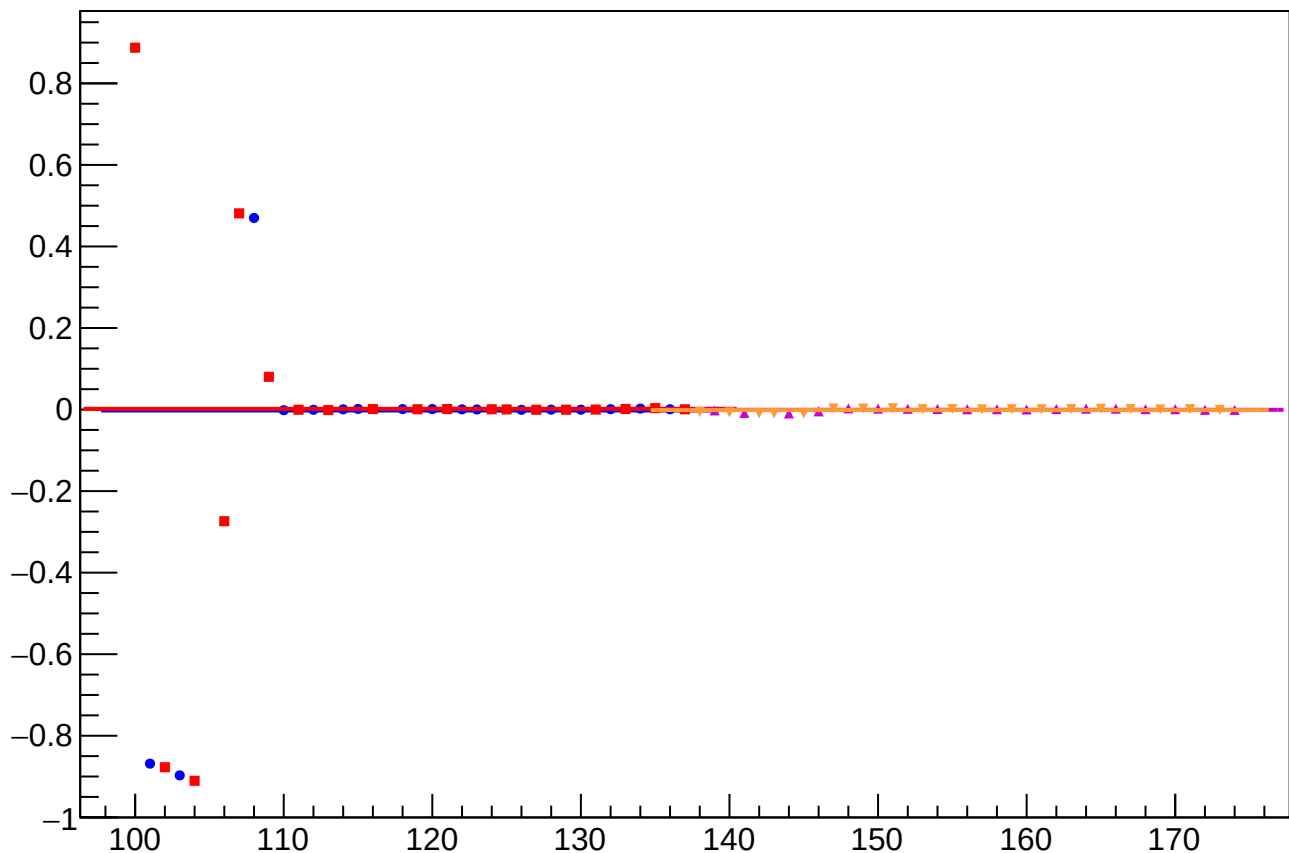
Left In: 0.009+/-0.000 χ^2/NDF :818940.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 33625386.3/35

All: 0.000+/-0.000 χ^2/NDF : 66765714.6/72

- 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 : 94766538.0/18

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041331104.7/18

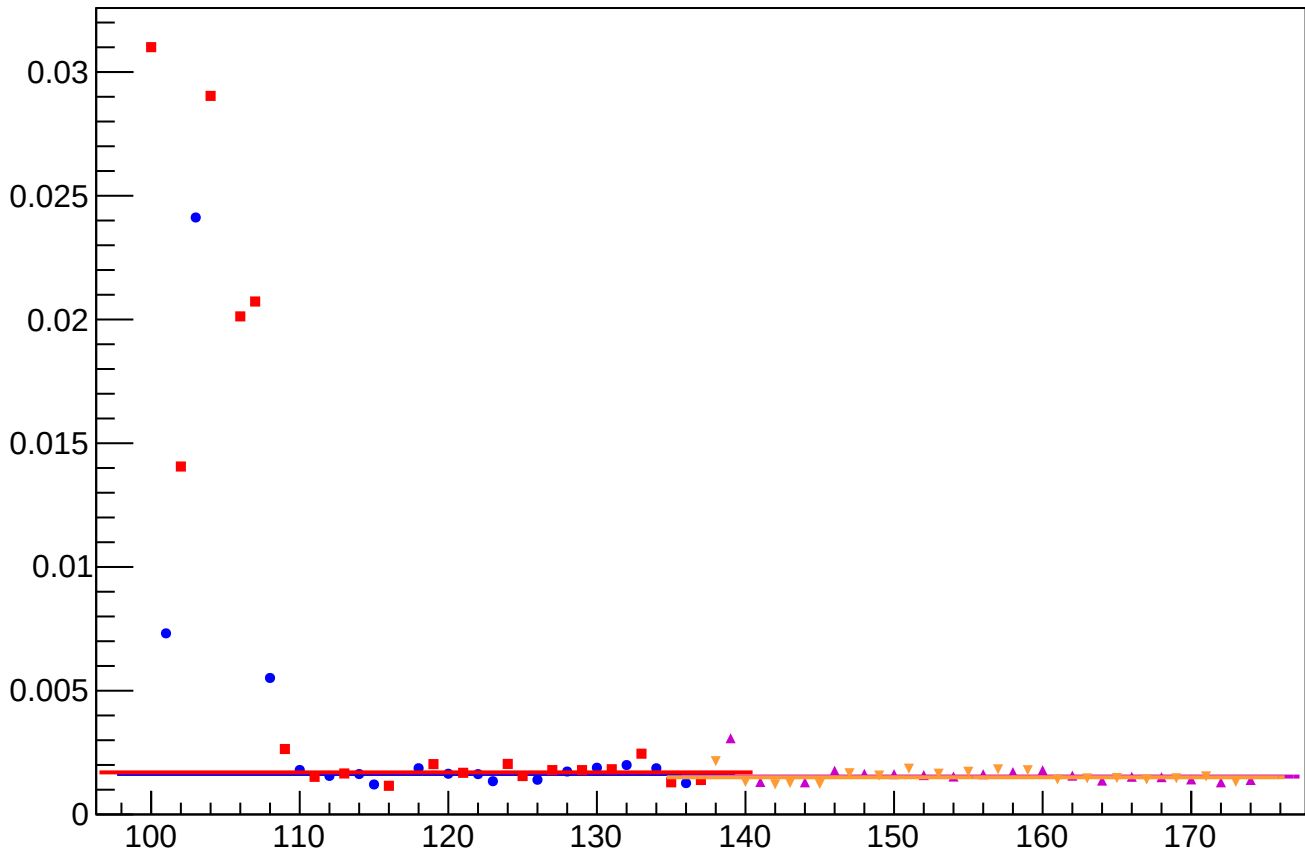
Left In: -0.001 ± 0.000 χ^2/NDF : 67356635.9/17

+ sign -0.002 ± 0.000 χ^2/NDF : 9891322092.4/35

All: -0.001 ± 0.000 χ^2/NDF : 13015108455.8/36

- 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:455948.7/18

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

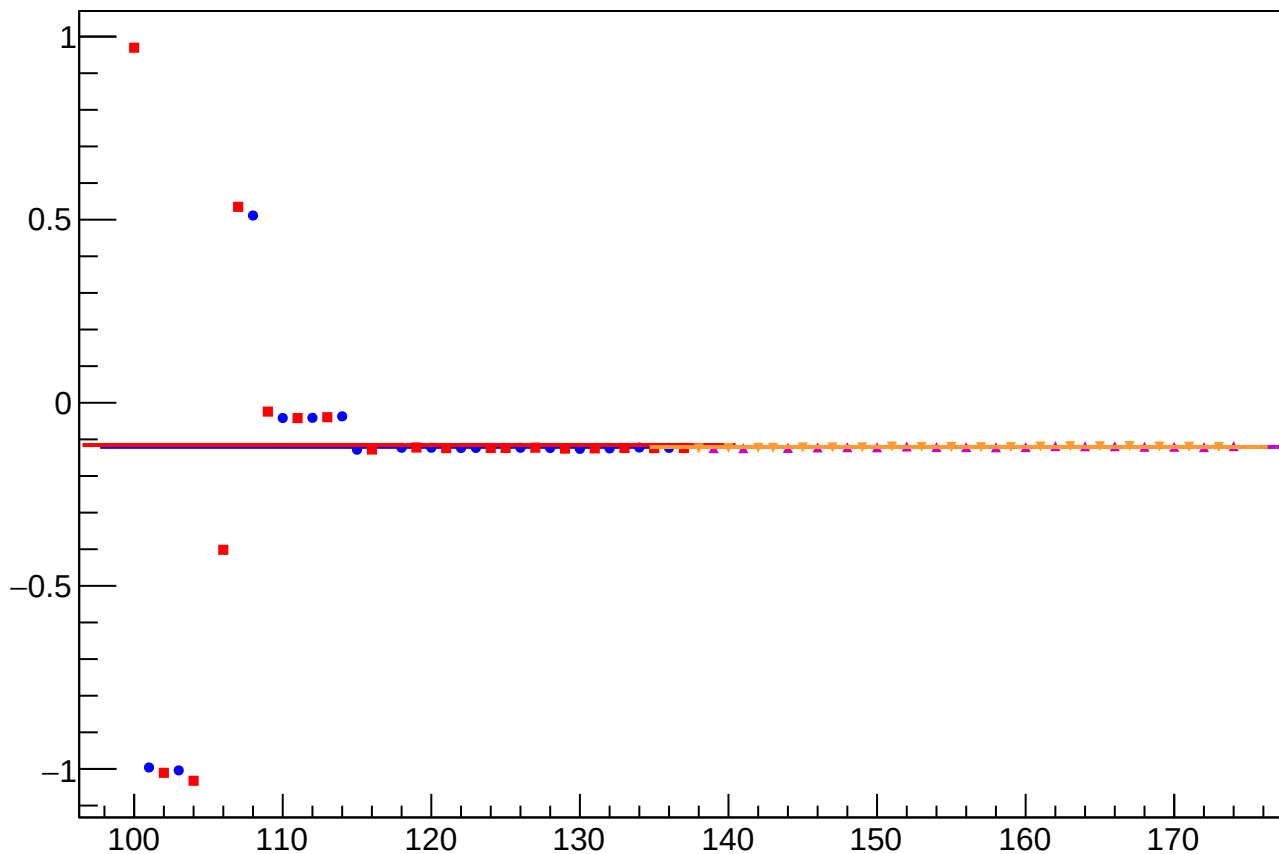
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:567647.5/17

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2421001.3/35

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6089292.2/72

- 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 : 32092239.7/18

+ sign -0.121+/-0.000 χ^2/NDF : 3964787001.2/35

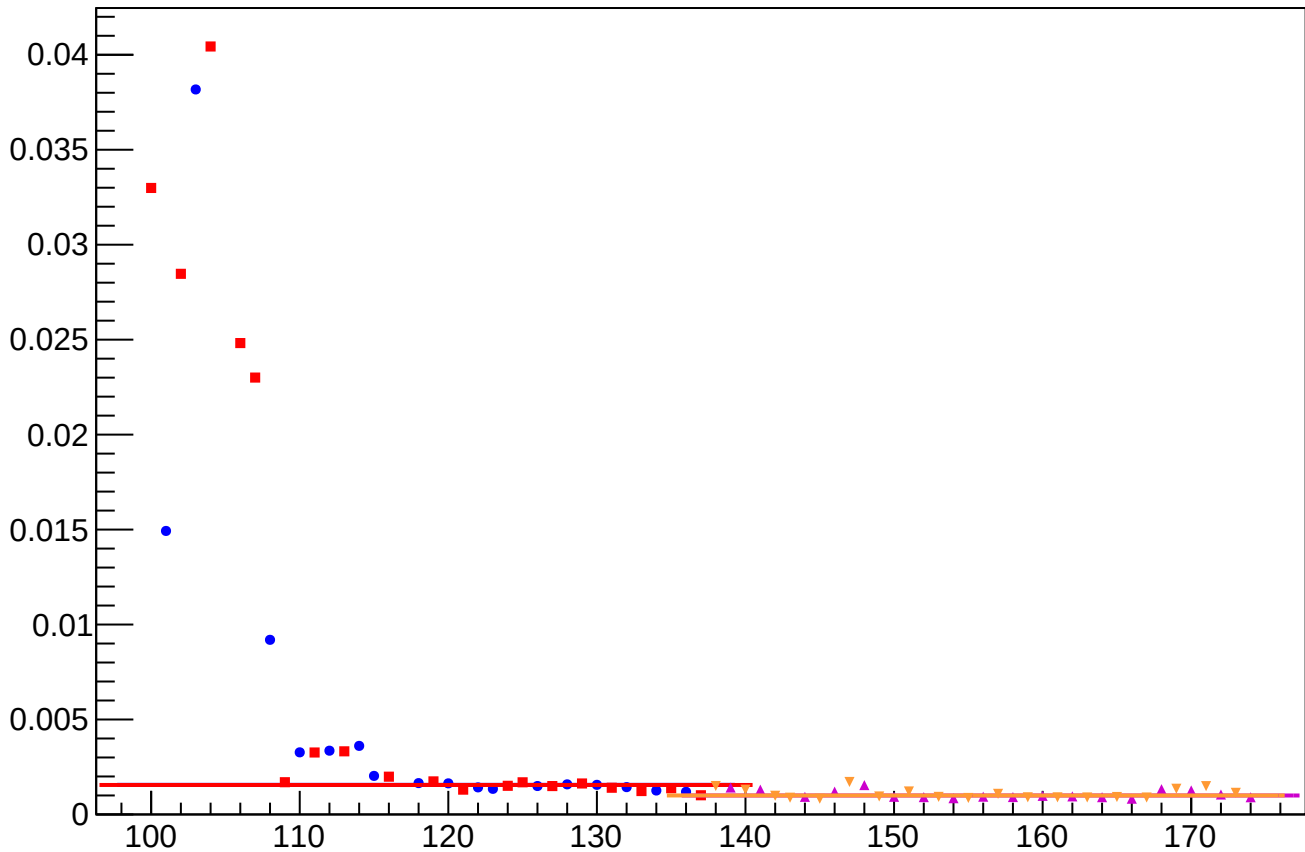
Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

All: -0.120+/-0.000 χ^2/NDF : 6504408958.0/7

- sign -0.120+/-0.000 χ^2/NDF : 2535316846.0/36

Left In: -0.121+/-0.000 χ^2/NDF : 32602429.0/17

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:1034278.9/18

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3538622.3/18

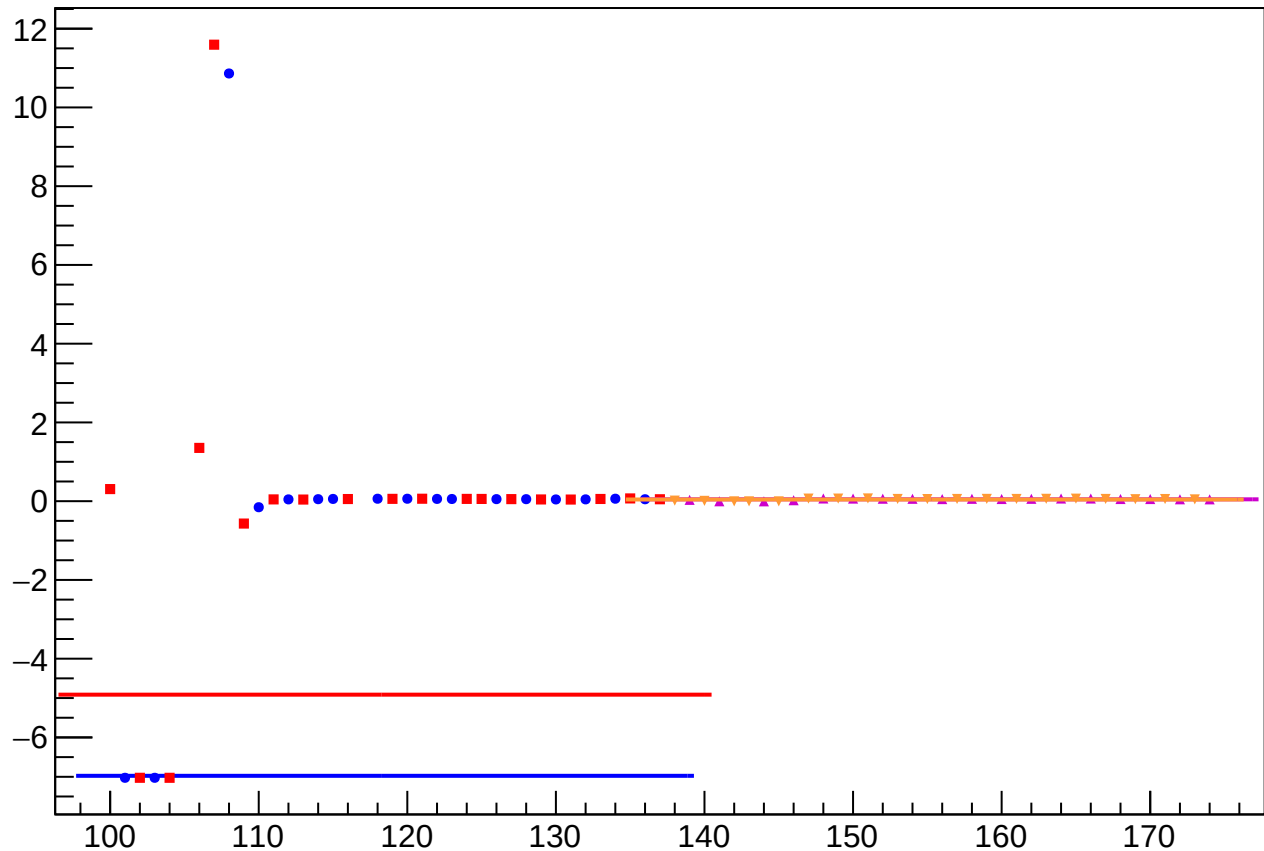
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:751442.6/17

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4969856.2/35

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10273902.0/72

- 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: 0.043+/-0.000 χ^2/NDF : 95649150.4/18

Right Out: -4.914+/-0.000 χ^2/NDF : 365362215369689.4/18

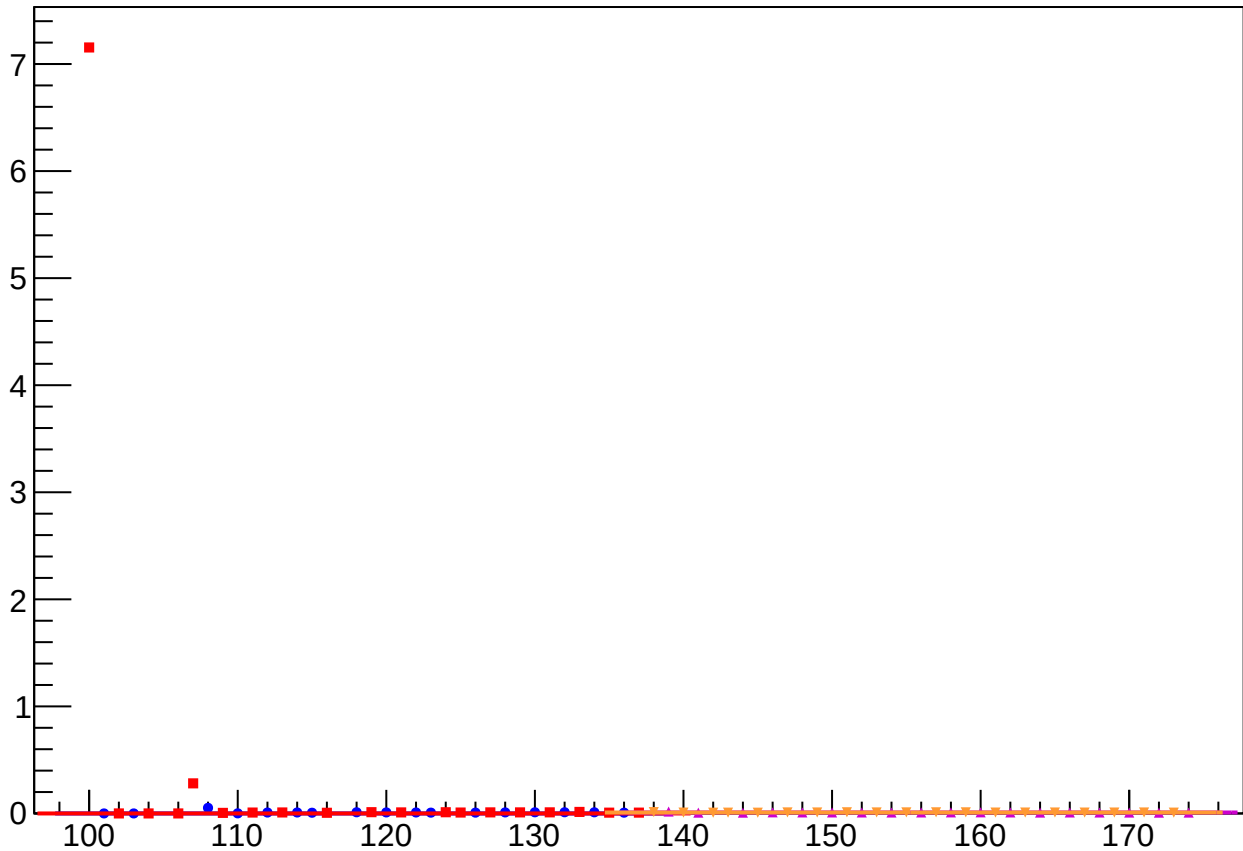
Left In: 0.047+/-0.000 χ^2/NDF : 74629526.8/17

+ sign -6.935+/-0.000 χ^2/NDF : 15875430565293.4/16

All: -5.868+/-0.000 χ^2/NDF : 4402627838023.4/16

- sign -4.889+/-0.000 χ^2/NDF : 368730489676492.1/16

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.009+/-0.000 χ^2/NDF : 453836.8/18

Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

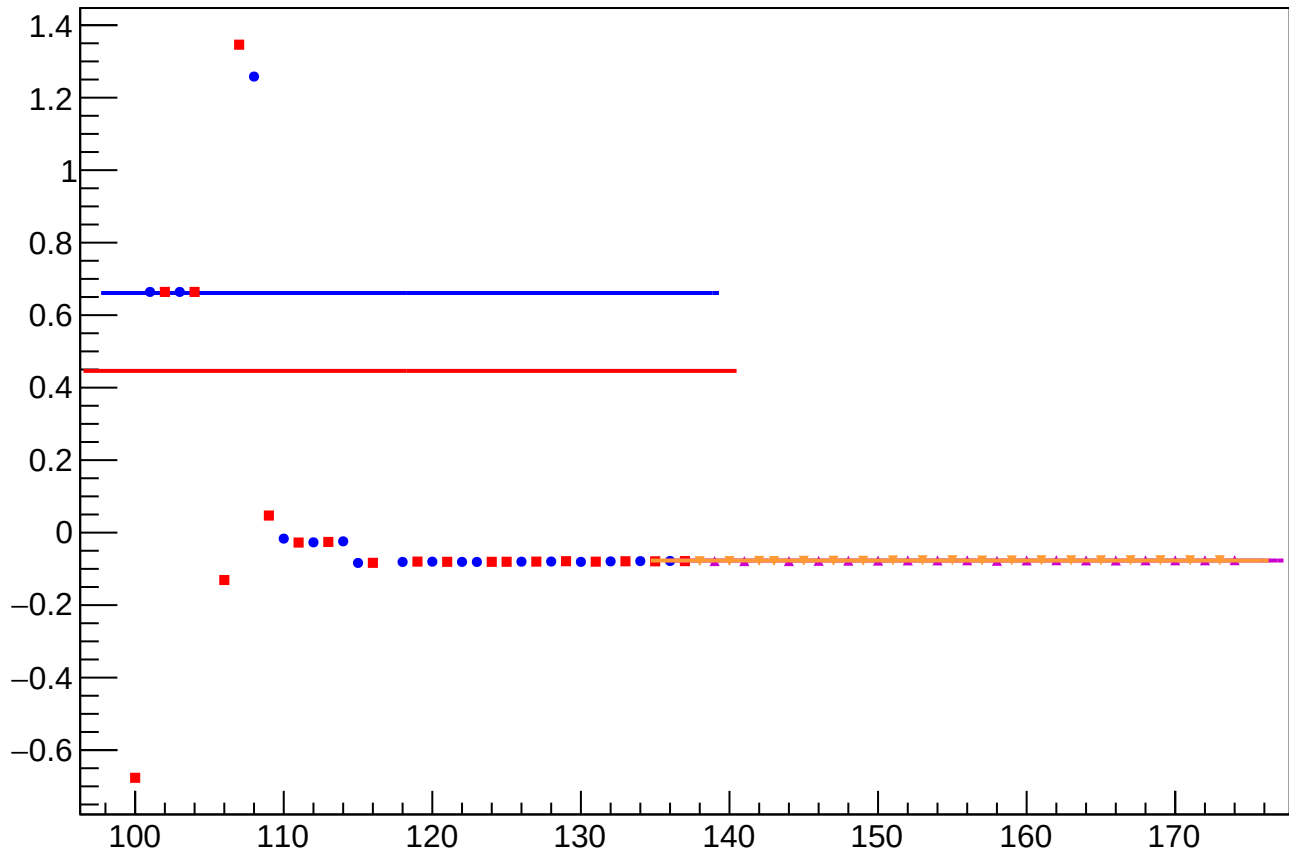
Left In: 0.009+/-0.000 χ^2/NDF : 572132.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 30486008.0/35

All: 0.000+/-0.000 χ^2/NDF : 61268827.0/72

- sign 0.000+/-0.000 χ^2/NDF : 30780660.3/36

yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 $\chi^2/\text{NDF}: 5678332616622.1/16$

Left Out: -0.077 ± 0.000 $\chi^2/\text{NDF}: 35172538.0/18$

Right Out: 0.446 ± 0.000 $\chi^2/\text{NDF}: 405428604683882.5/18$

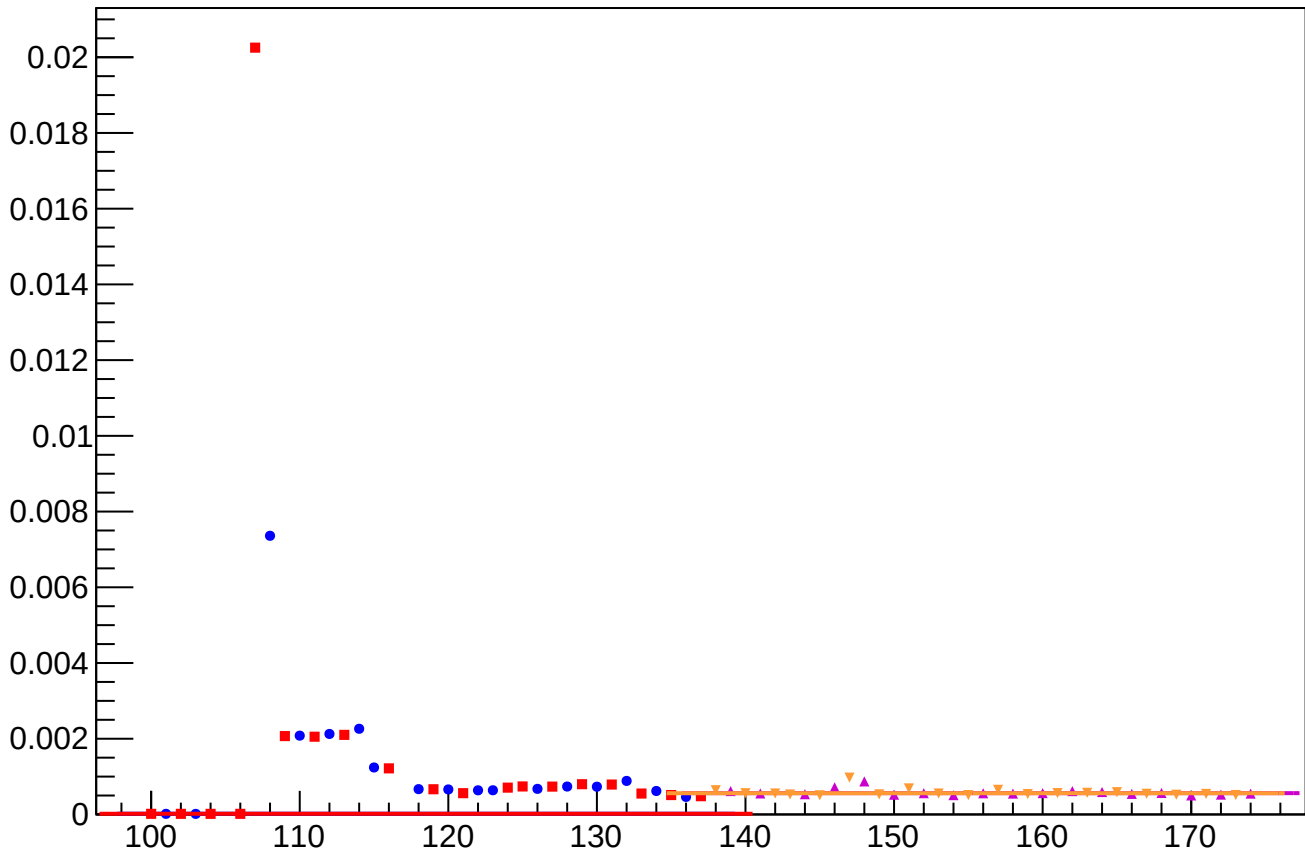
Left In: -0.077 ± 0.000 $\chi^2/\text{NDF}: 26614676.5/17$

+ sign 0.649 ± 0.000 $\chi^2/\text{NDF}: 28603553384868.1/3$

All: 0.539 ± 0.000 $\chi^2/\text{NDF}: 50665344430583$

- sign 0.439 ± 0.000 $\chi^2/\text{NDF}: 416722481781534.6/3$

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 : 439362.8/18

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

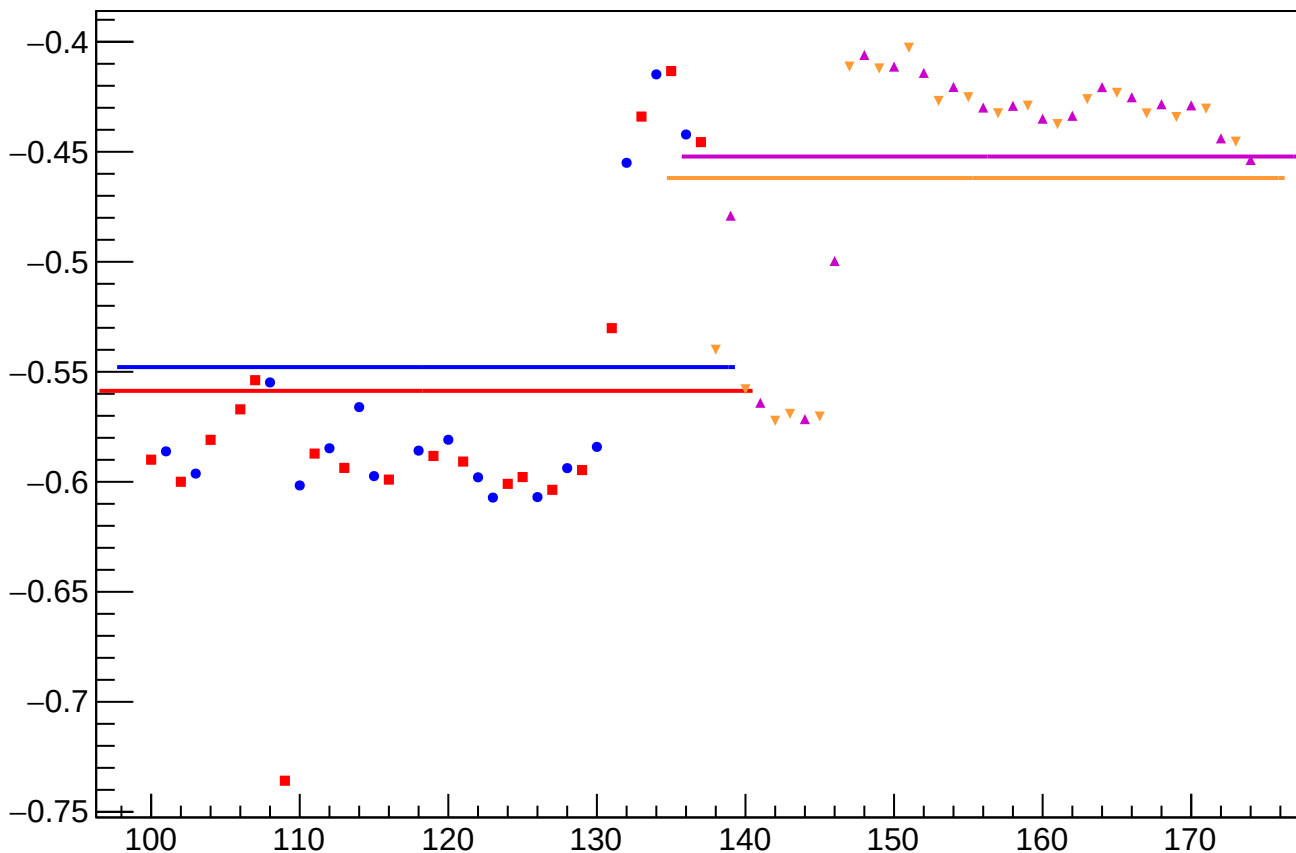
Left In: 0.001+/-0.000 χ^2/NDF : 352320.0/17

+ sign 0.000+/-0.000 χ^2/NDF : 35228562.2/35

All: 0.000+/-0.000 χ^2/NDF : 69556283.3/72

- 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: -0.462+/-0.000 χ^2/NDF : 106305981.5/18

Right Out: -0.559+/-0.000 χ^2/NDF : 65682293.5/18

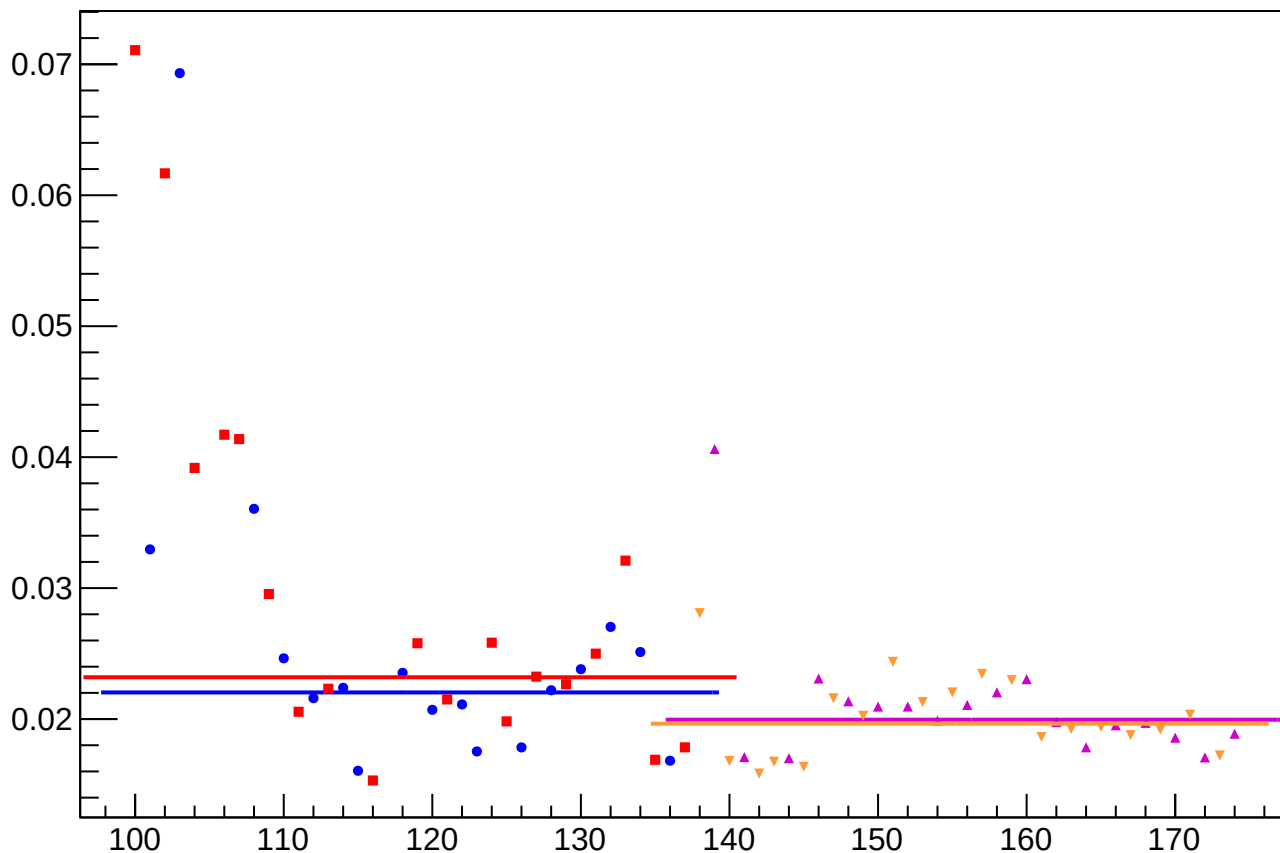
Left In: -0.452+/-0.000 χ^2/NDF : 75223757.0/17

+ sign -0.485+/-0.000 χ^2/NDF : 212043296.3/35

All: -0.482+/-0.000 χ^2/NDF : 436446425.1/72

- 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: 424900.0/18

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156989.7/18

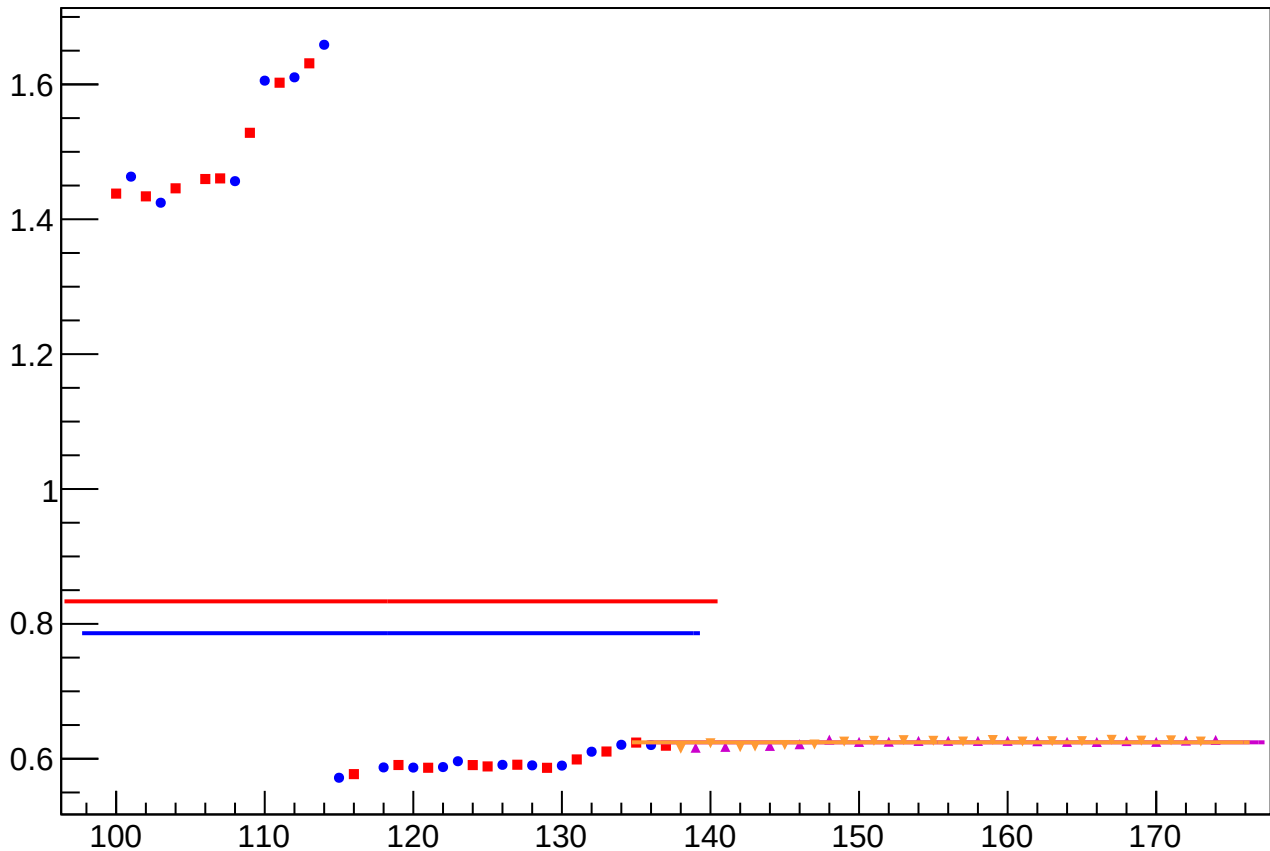
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 551857.2/17

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1472154.2/35

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3345713.2/72

- 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 : 1241733.0/18

Right Out: 0.833 $\pm$ 0.000 χ^2/NDF : 4156812252.4/18

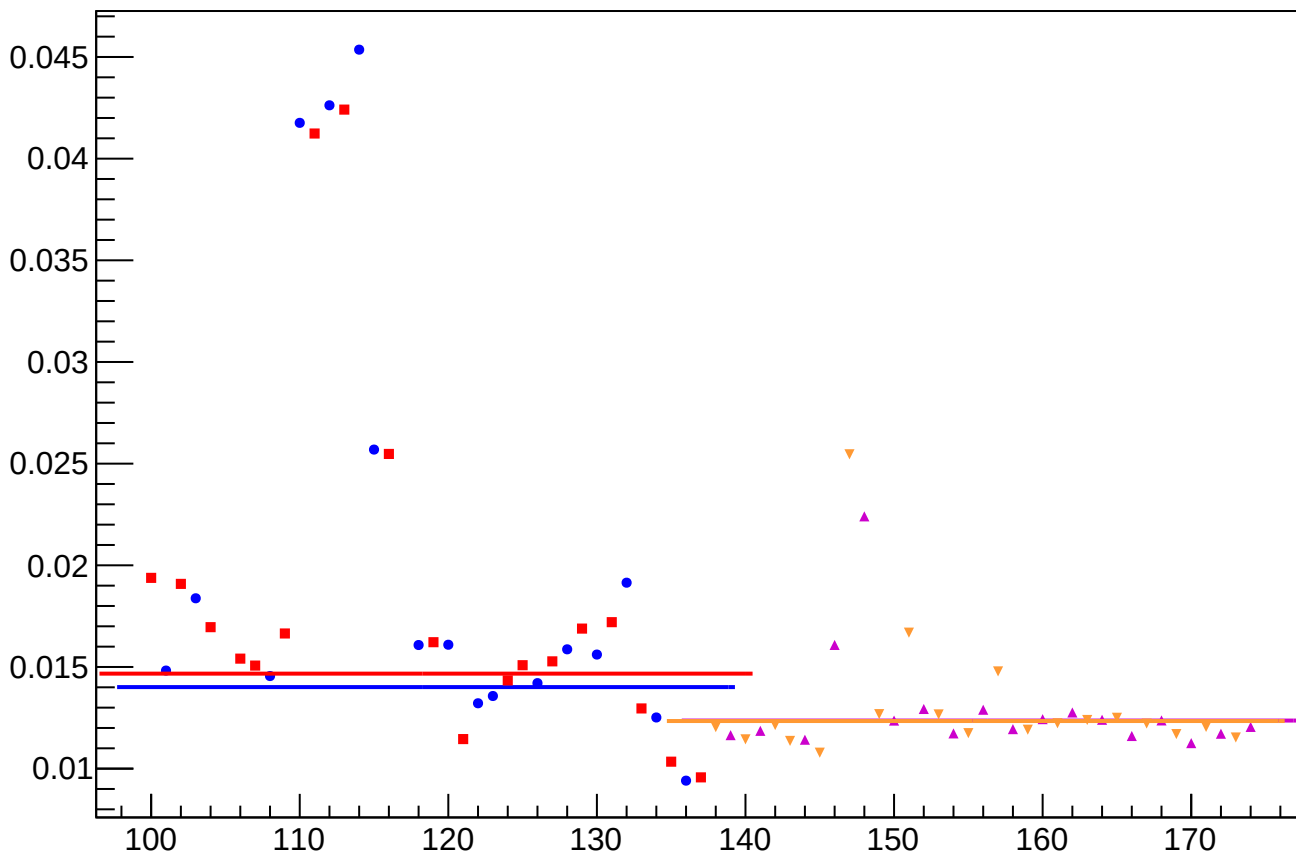
Left In: 0.624 $\pm$ 0.000 χ^2/NDF : 1034848.3/17

+ sign 0.664 $\pm$ 0.000 χ^2/NDF : 4162350508.0/35

All: 0.670 $\pm$ 0.000 χ^2/NDF : 9251651448.5/72

- 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:604631.3/18

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1263462.0/18

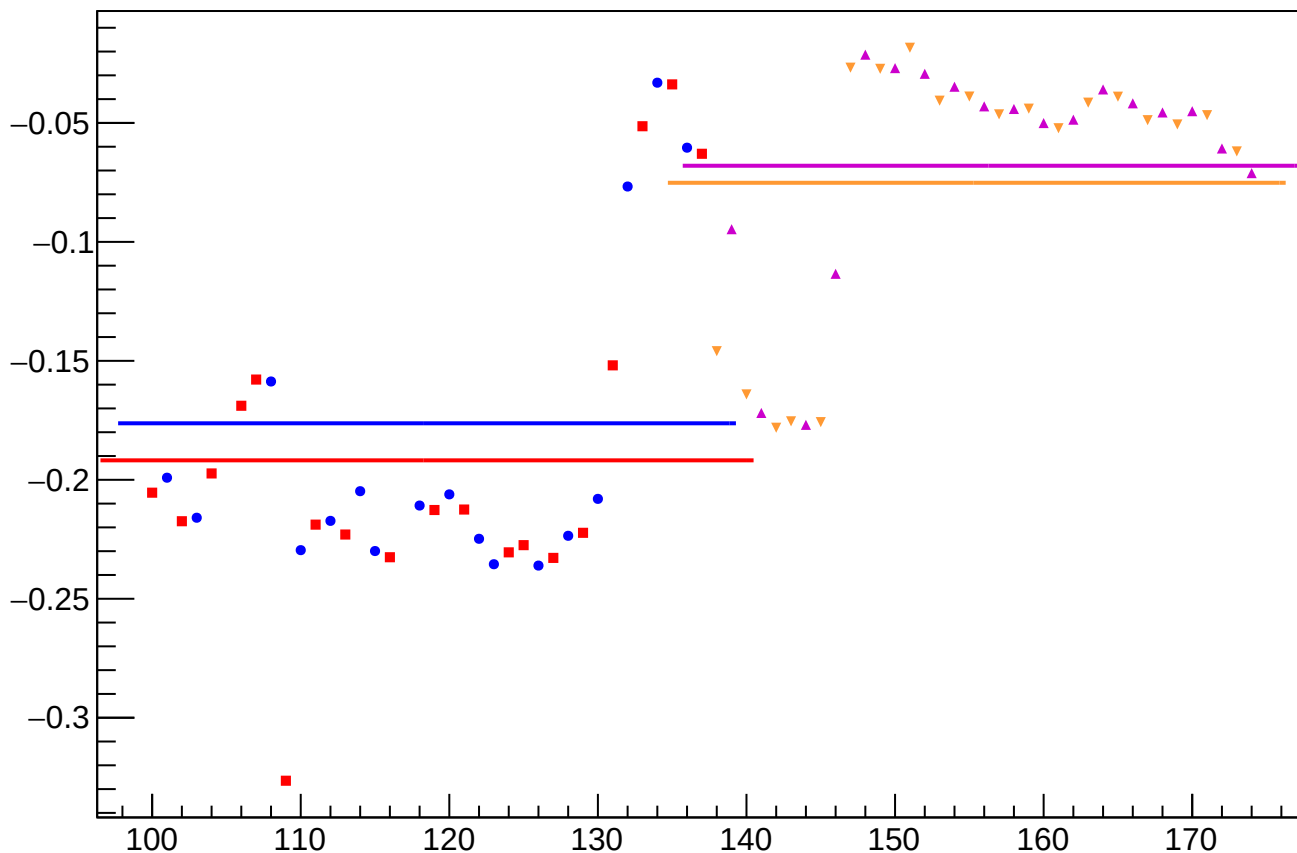
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:441492.4/17

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2130997.9/35

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4064749.8/72

- 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 : 101210455.6/18

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

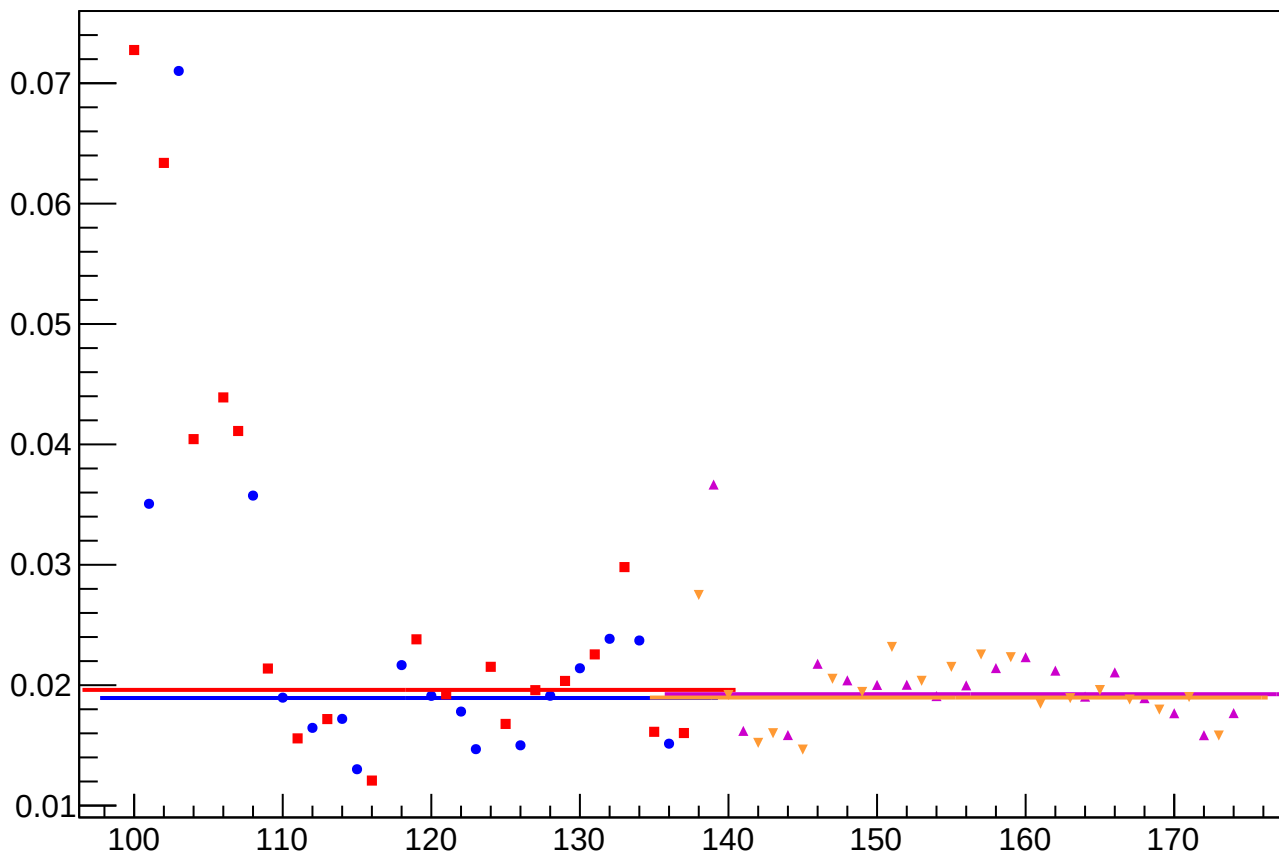
Left In: -0.068+/-0.000 χ^2/NDF : 75601153.5/17

+ sign -0.106+/-0.000 χ^2/NDF : 270517920.3/35

All: -0.106+/-0.000 χ^2/NDF : 573319561.5/72

- sign -0.106+/-0.000 χ^2/NDF : 302801515.3/36

yield_bpm4eX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1205858.0/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 476856.8/18

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1457660.9/18

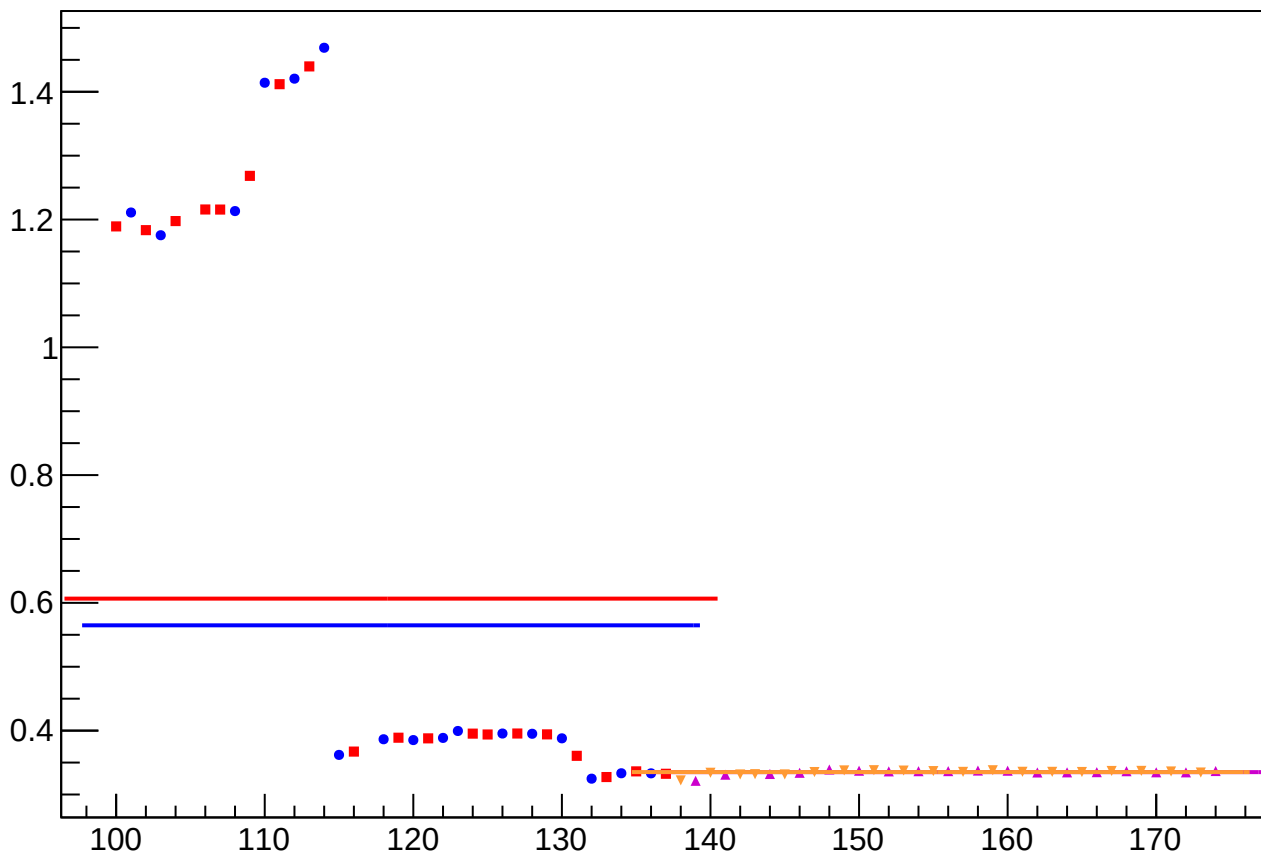
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 560913.6/17

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1682741.8/35

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3710891.5/72

- sign 0.019 $\pm$ 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:1134343.5/18

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5513752213.8/18

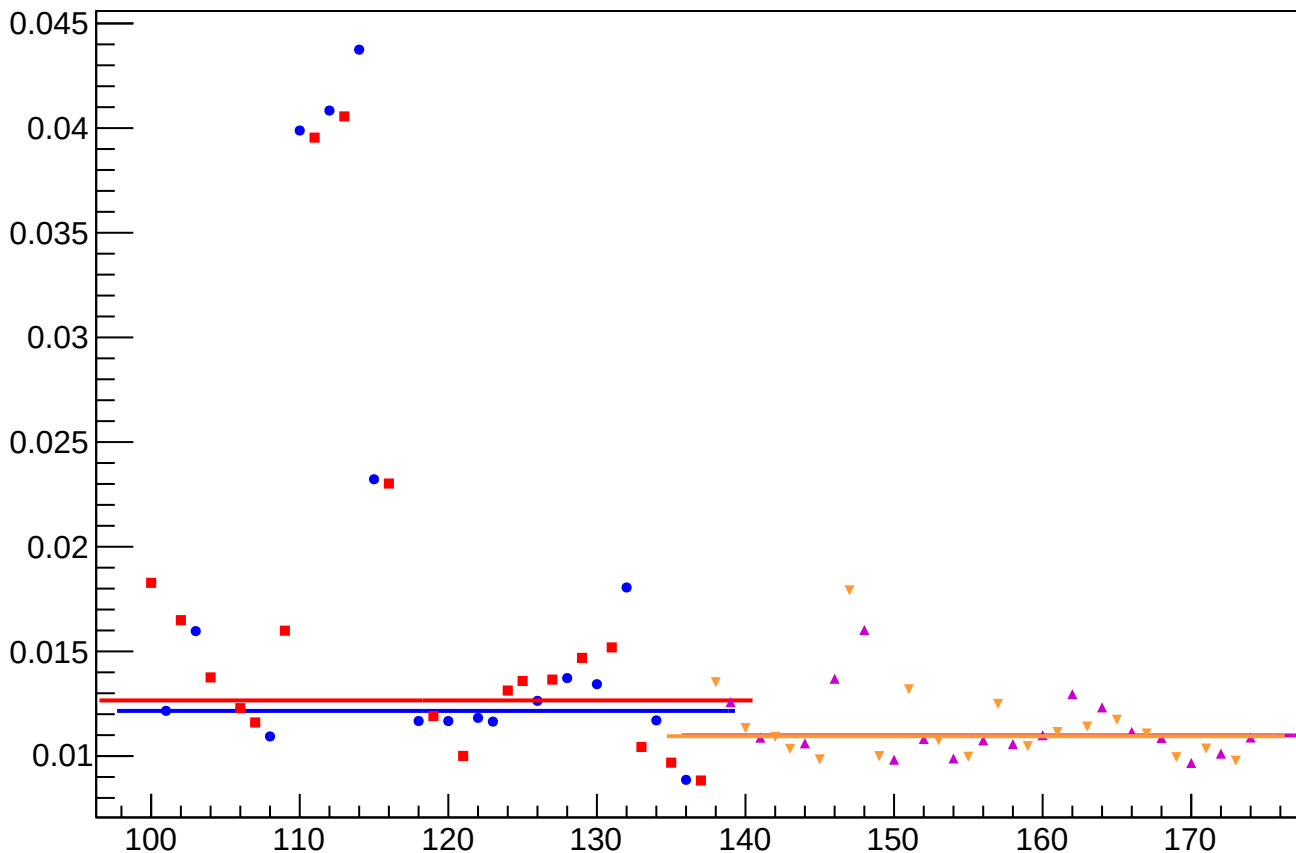
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1191610.0/17

+ sign 0.394 $\pm$ 0.000 χ^2 /NDF: 6540256040.0/35

All: 0.398 $\pm$ 0.000 χ^2 /NDF: 14094039314.9/7

- 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: 450050.2/18

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

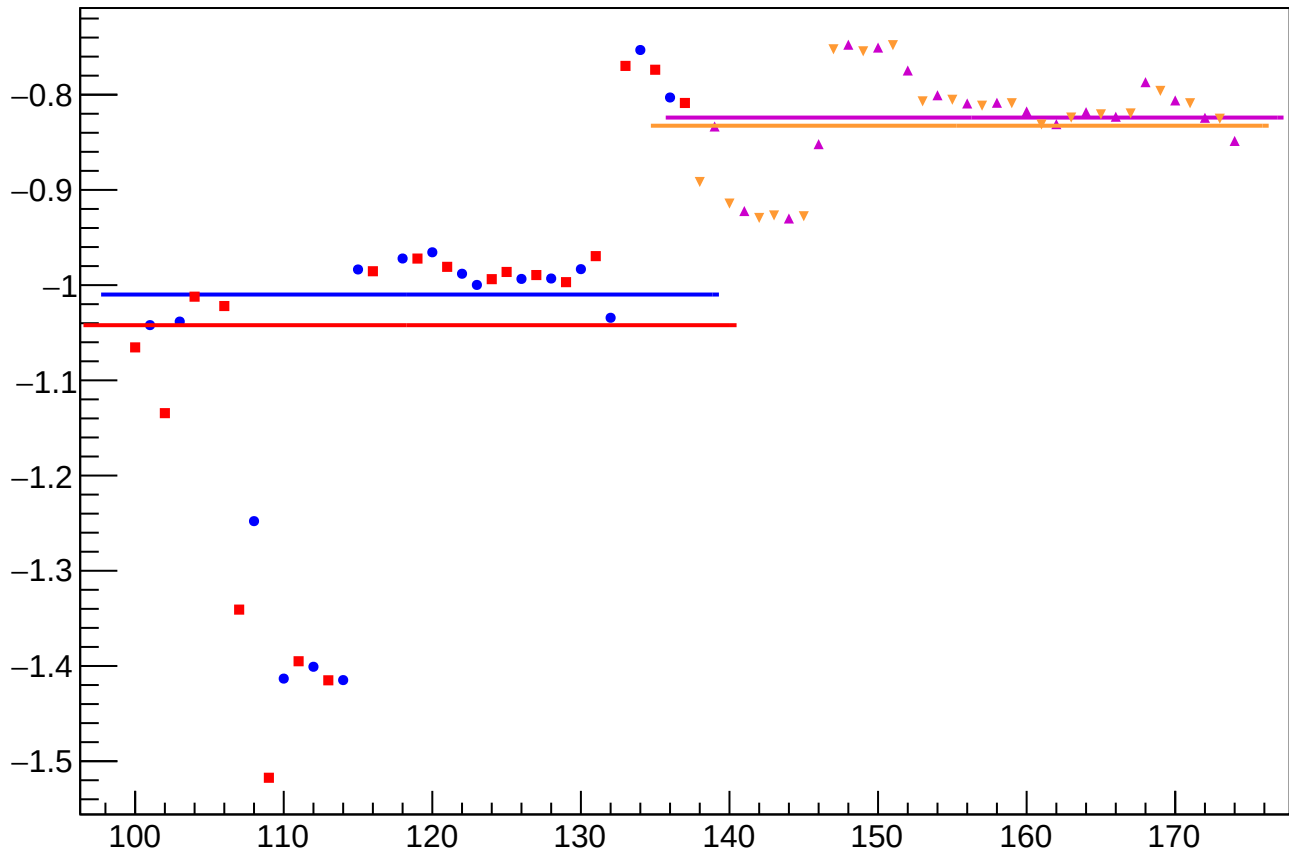
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 368173.9/17

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1843540.2/35

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3639957.5/72

- 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: -0.833 ± 0.000 χ^2/NDF : 97699301.4/18

Right Out: -1.042 ± 0.000 χ^2/NDF : 530106141.8/18

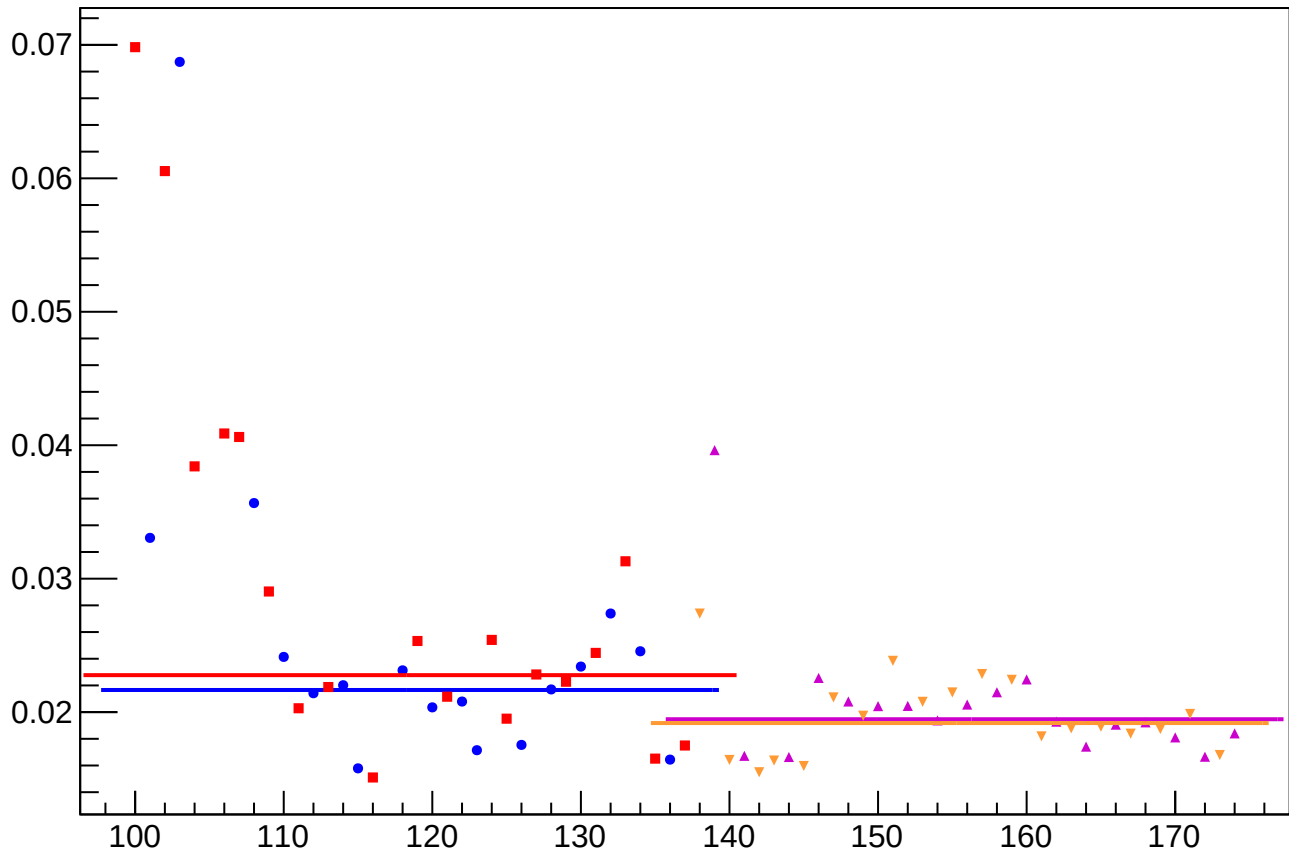
Left In: -0.824 ± 0.000 χ^2/NDF : 74785419.4/17

+ sign -0.879 ± 0.000 χ^2/NDF : 737737941.7/35

All: -0.880 ± 0.000 χ^2/NDF : 1704521380.1/7

- sign -0.880 ± 0.000 χ^2/NDF : 966735770.1/36

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 983499.8/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 423296.8/18

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152617.8/18

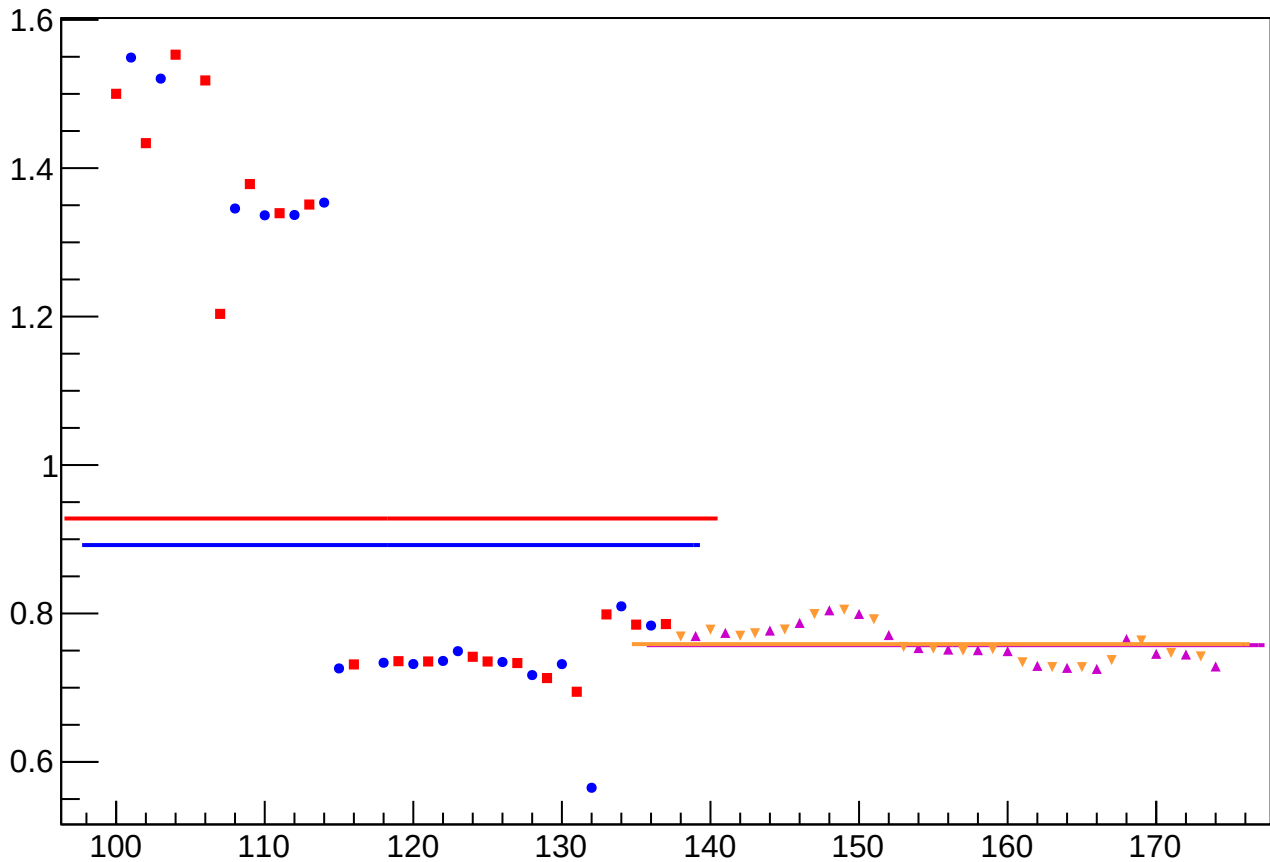
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 549468.5/17

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1505374.9/35

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3383474.0/72

- sign 0.020 $\pm$ 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: 0.759 $\pm$ 0.000 χ^2 /NDF:38631092.4/18

Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2437542089.2/18

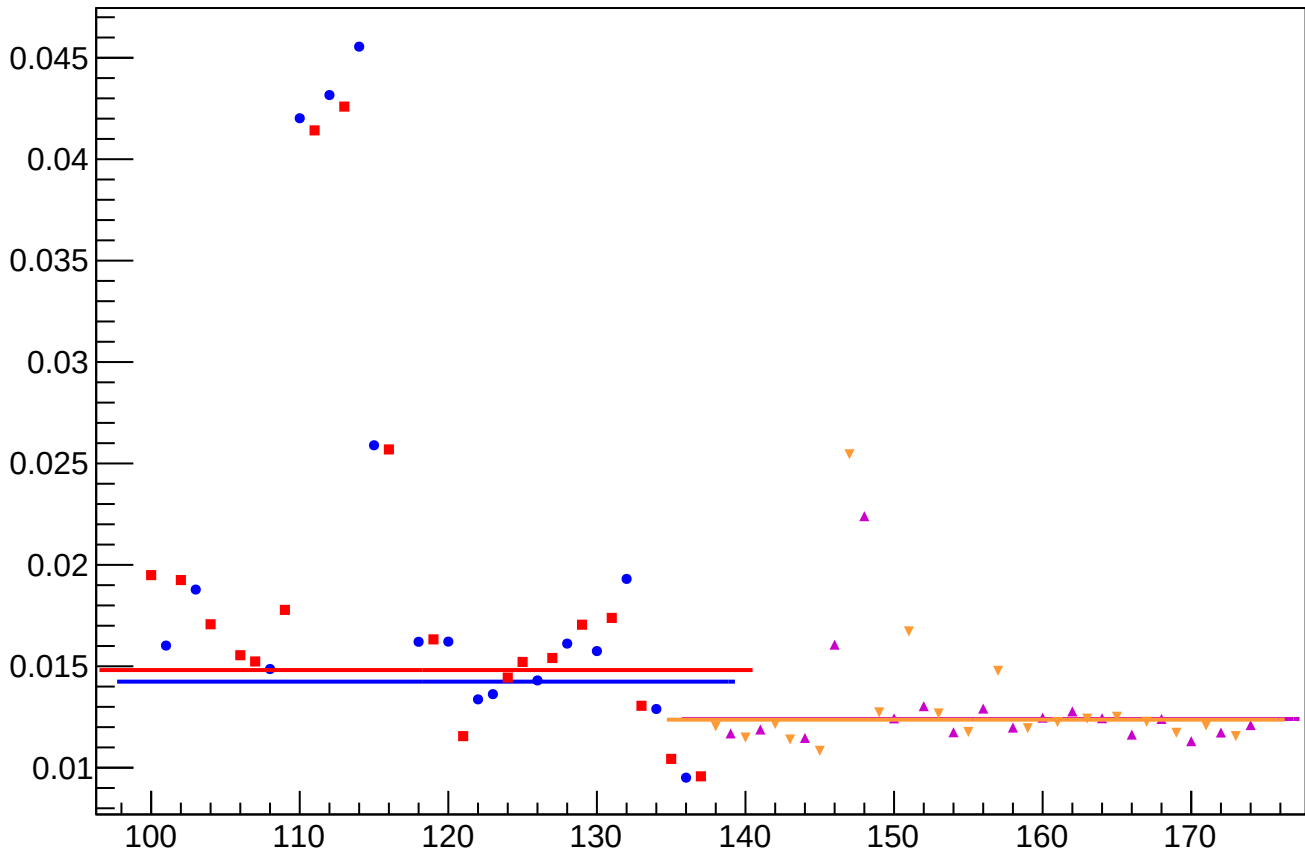
Left In: 0.757 $\pm$ 0.000 χ^2 /NDF:39369588.6/17

+ sign 0.791 $\pm$ 0.000 χ^2 /NDF: 2829365670.4/35

All: 0.794 $\pm$ 0.000 χ^2 /NDF: 5914057150.5/72

- 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 : 600034.7/18

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1274172.7/18

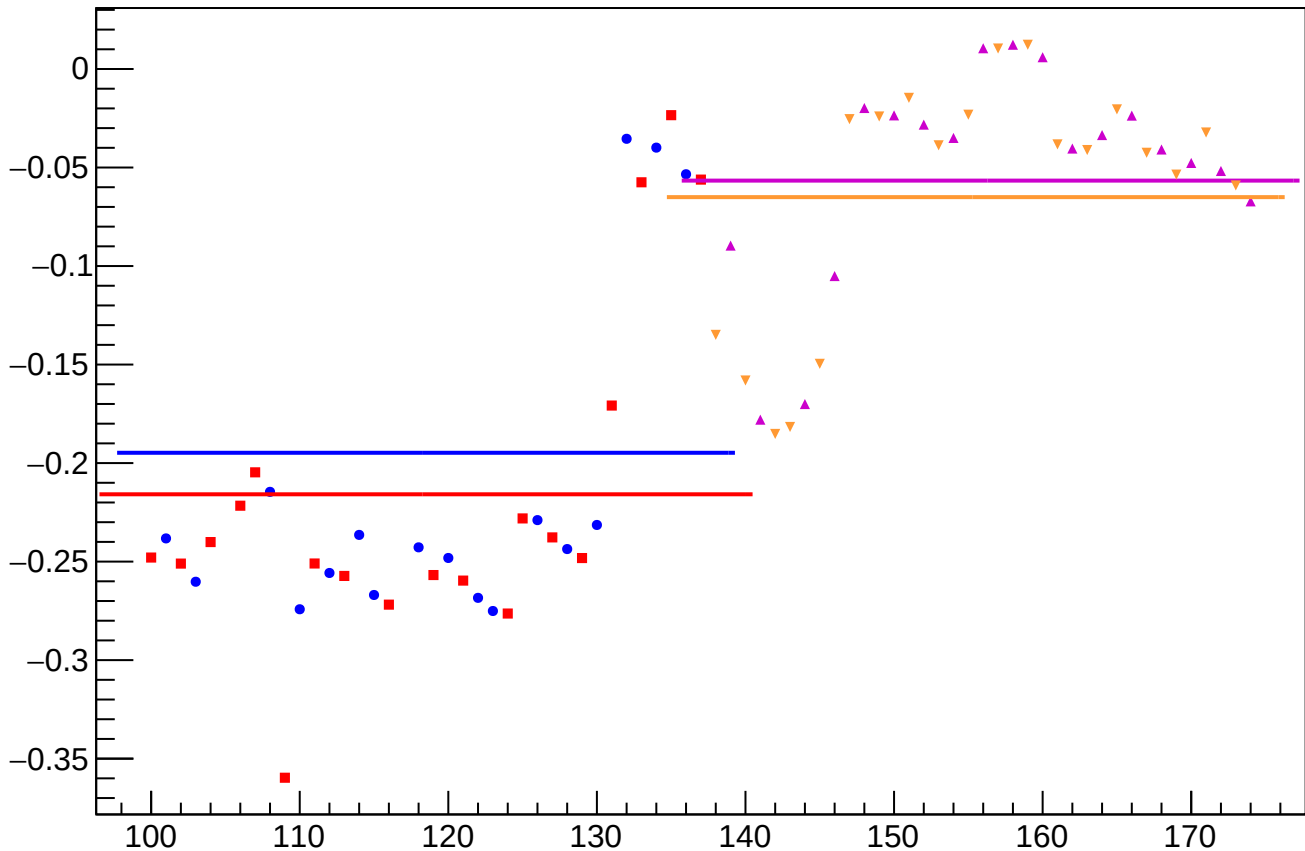
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 436945.4/17

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 2164413.1/35

All: 0.013 $\pm$ 0.000 χ^2/NDF : 4119886.8/72

- 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: -0.065+/-0.000 χ^2/NDF : 117138993.6/18

Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

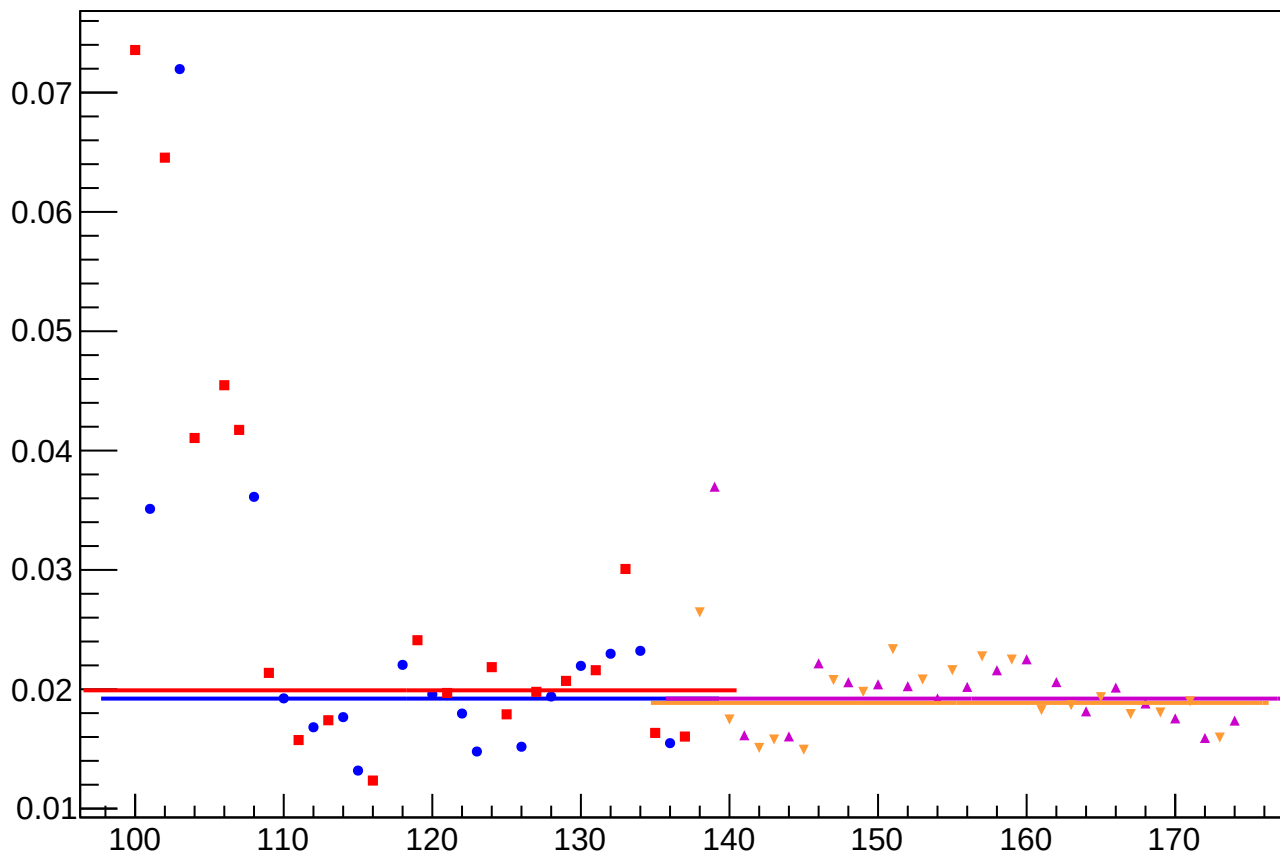
Left In: -0.057+/-0.000 χ^2/NDF : 97686818.2/17

+ sign -0.104+/-0.000 χ^2/NDF : 386278849.0/35

All: -0.104+/-0.000 χ^2/NDF : 827575868.0/72

- sign -0.105+/-0.000 χ^2/NDF : 441277865.4/36

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.019+/-0.000 χ^2/NDF : 474190.9/18

Right Out: 0.020+/-0.000 χ^2/NDF : 1446950.0/18

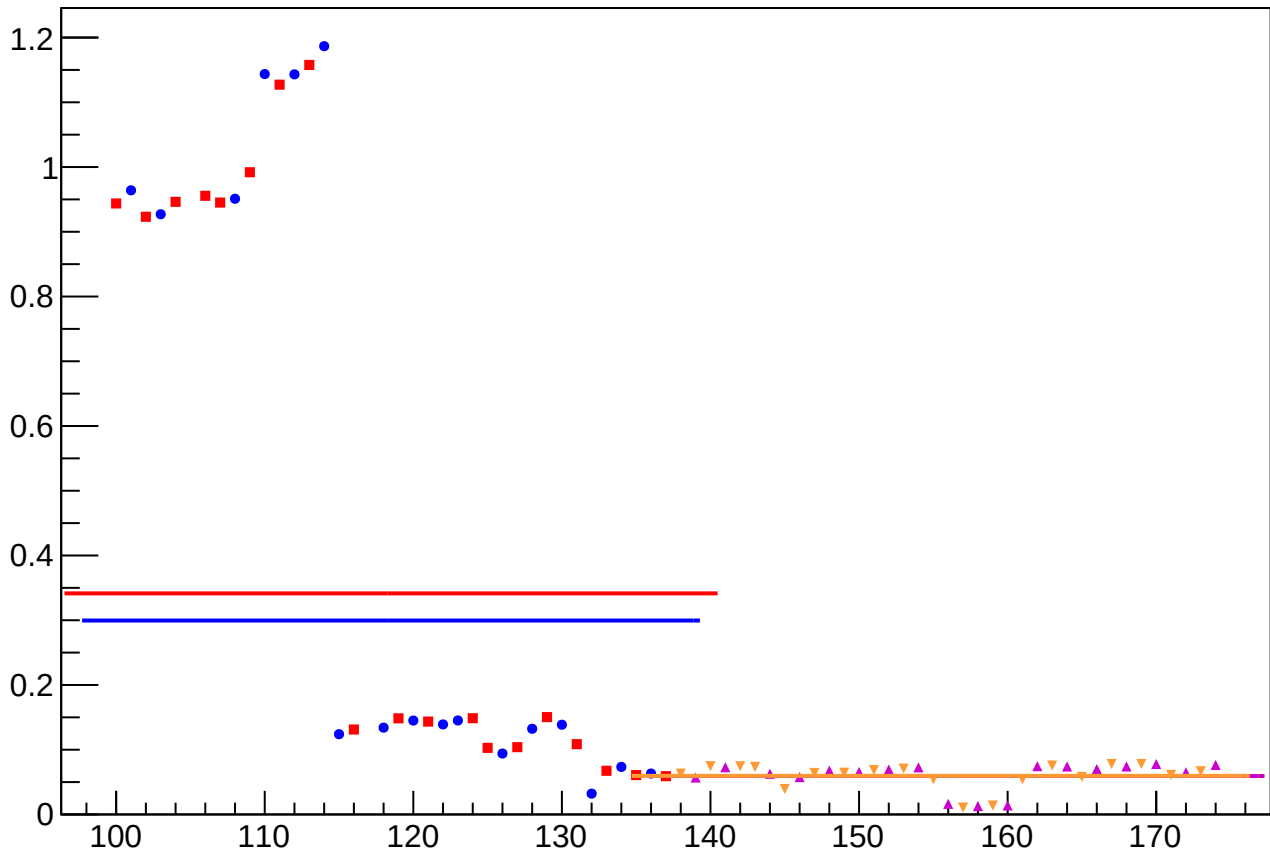
Left In: 0.019+/-0.000 χ^2/NDF : 573463.7/17

+ sign 0.019+/-0.000 χ^2/NDF : 1653769.2/35

All: 0.019+/-0.000 χ^2/NDF : 3692473.4/72

- sign 0.019+/-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: 0.060 $\pm$ 0.000 χ^2 /NDF: 43853533.9/18

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5450600455.1/18

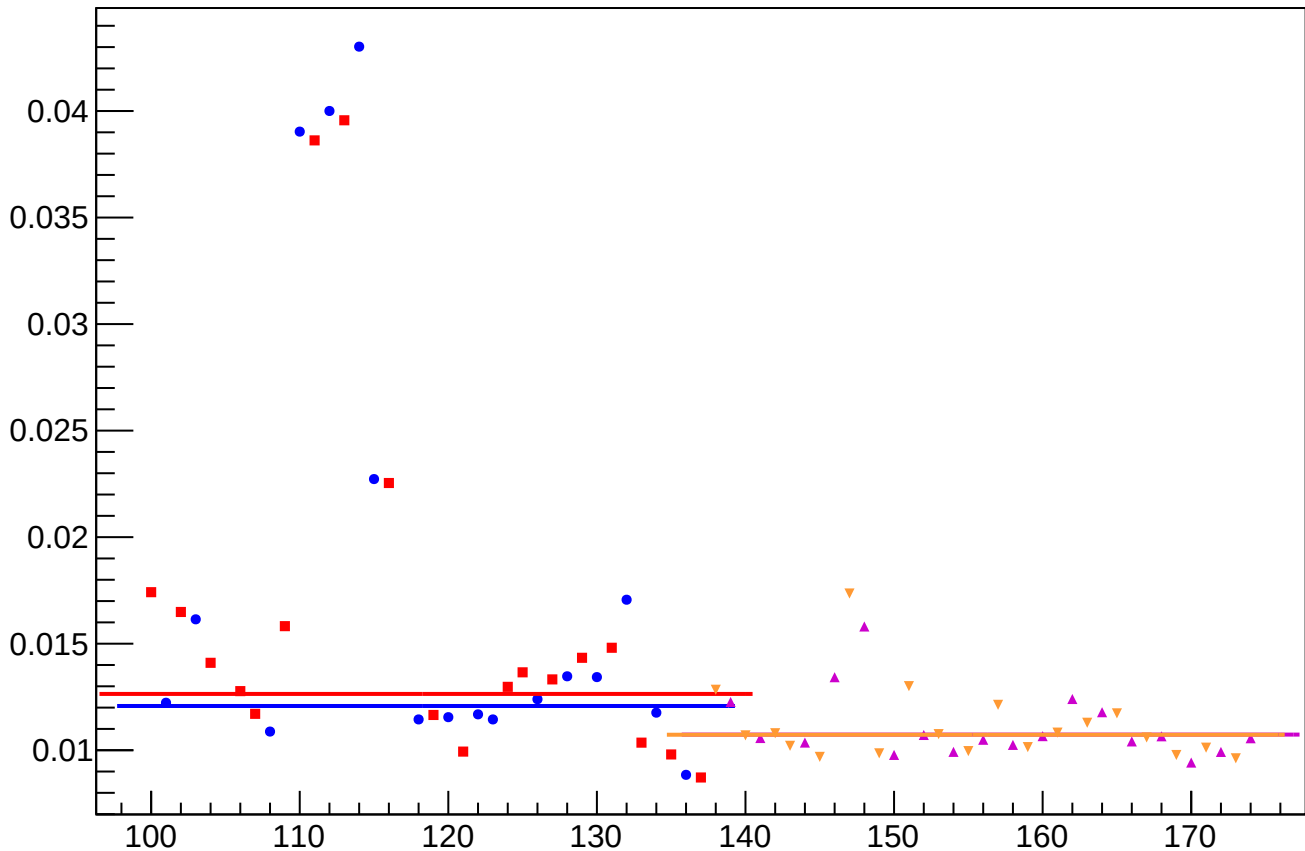
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 57187911.1/17

+ sign 0.119 $\pm$ 0.000 χ^2 /NDF: 6889702253.5/35

All: 0.124 $\pm$ 0.000 χ^2 /NDF: 14624870389.1/7

- 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:420446.4/18

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1237706.0/18

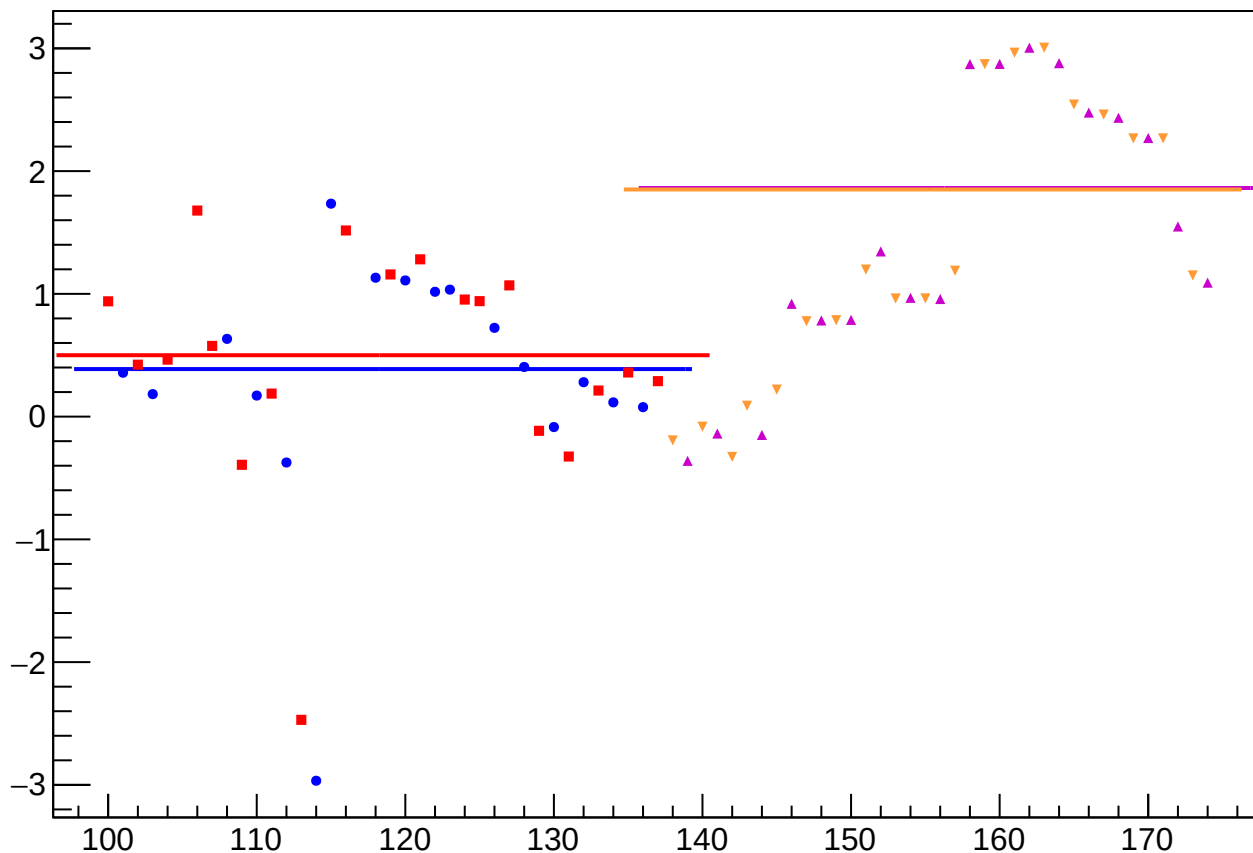
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:349554.1/17

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1808831.1/35

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3602252.1/72

- 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: 1.850+/-0.000 χ^2/NDF :28377005049.1/18

Right Out: 0.500+/-0.000 χ^2/NDF : 983360928.1/18

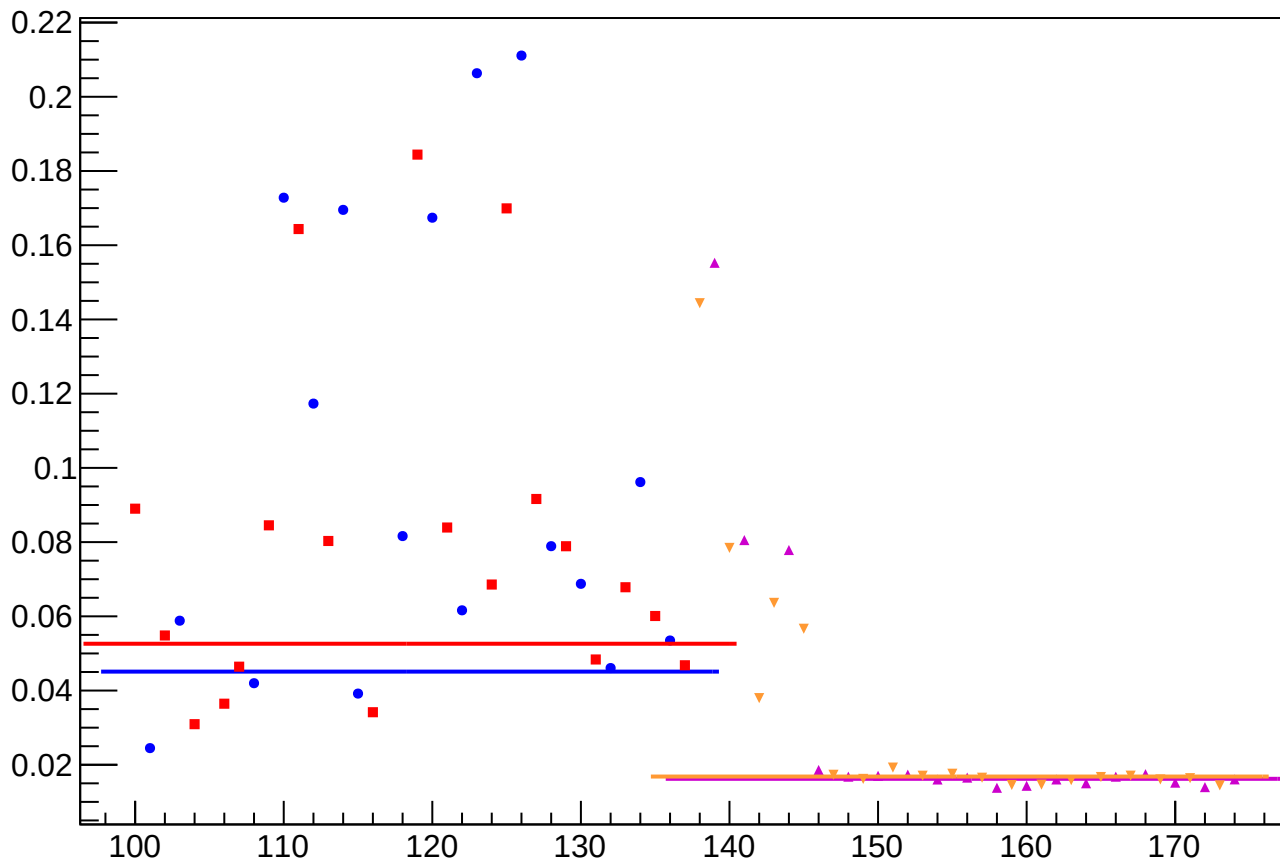
Left In: 1.862+/-0.000 χ^2/NDF :30151643931.0/17

+ sign 1.783+/-0.000 χ^2/NDF : 32196842593.1/35

All: 1.799+/-0.000 χ^2/NDF : 66017822006.0/7

- 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 :2775094.8/18

Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

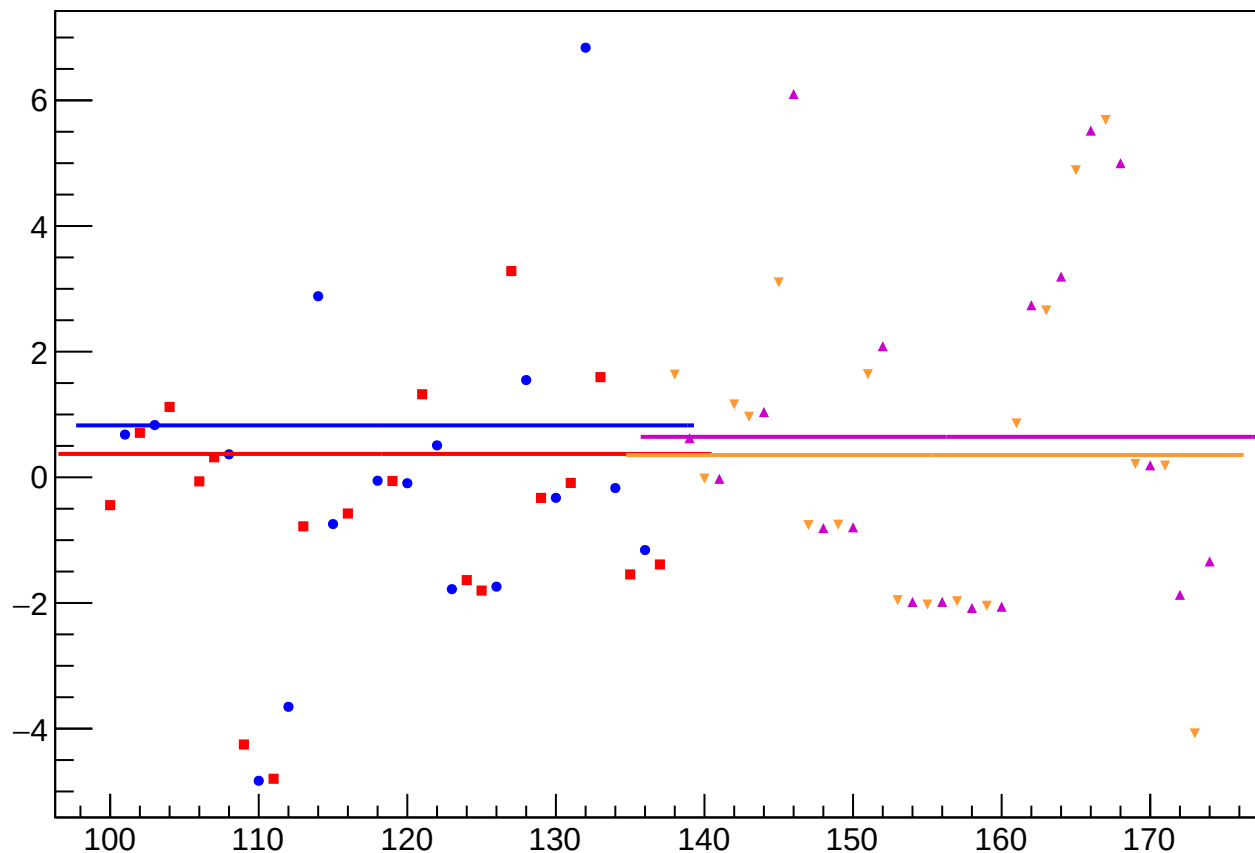
Left In: 0.016+/-0.000 χ^2/NDF :2380671.8/17

+ sign 0.018+/-0.000 χ^2/NDF : 8289452.2/35

All: 0.018+/-0.000 χ^2/NDF : 16684733.7/72

- 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: 0.356+/-0.000 χ^2/NDF : 466211013686.0/18

Right Out: 0.372+/-0.000 χ^2/NDF : 4972900338.2/18

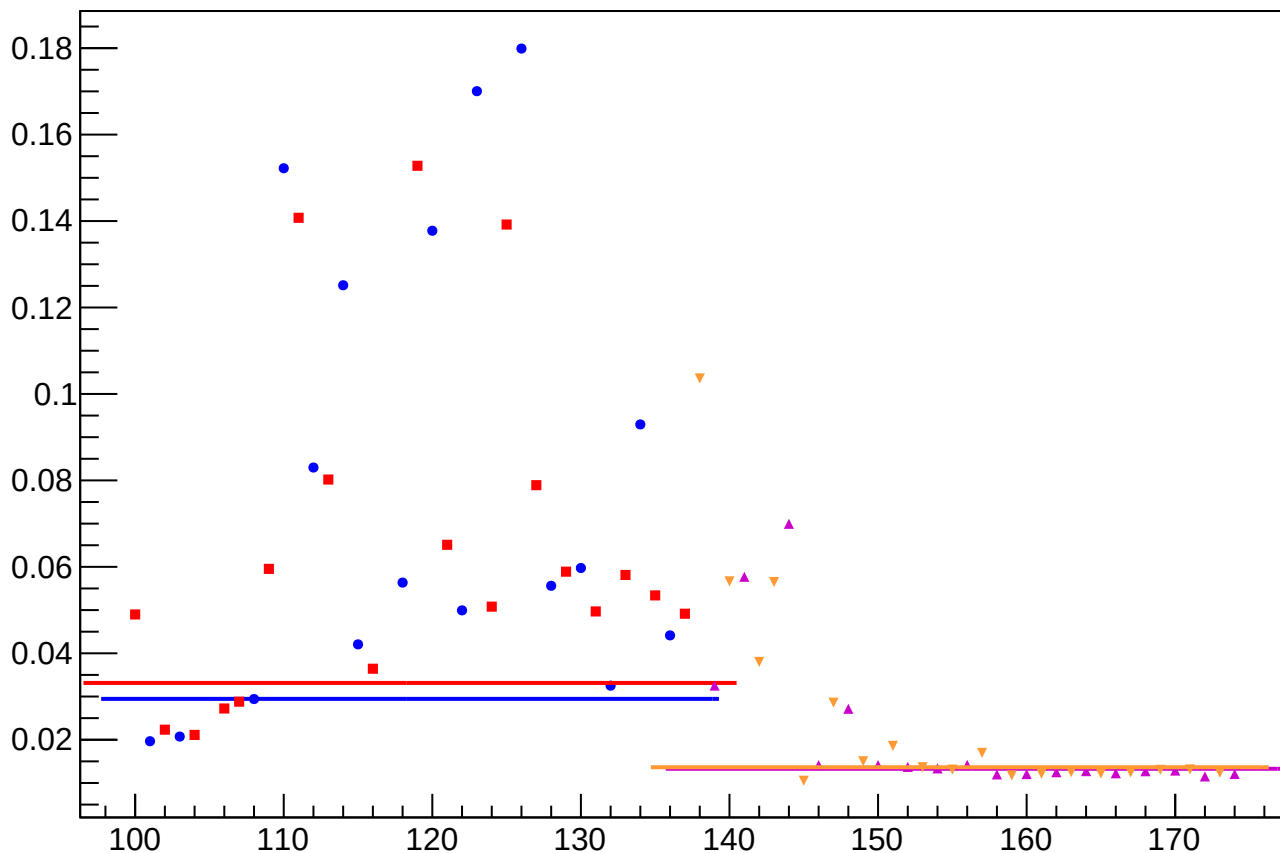
Left In: 0.644+/-0.000 χ^2/NDF : 538408227127.1/17

+ sign 0.385+/-0.000 χ^2/NDF : 477966159673.1/35

All: 0.512+/-0.000 χ^2/NDF : 1023568656152.

- 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: 0.014+/-0.000 χ^2/NDF : 2861788.4/18

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

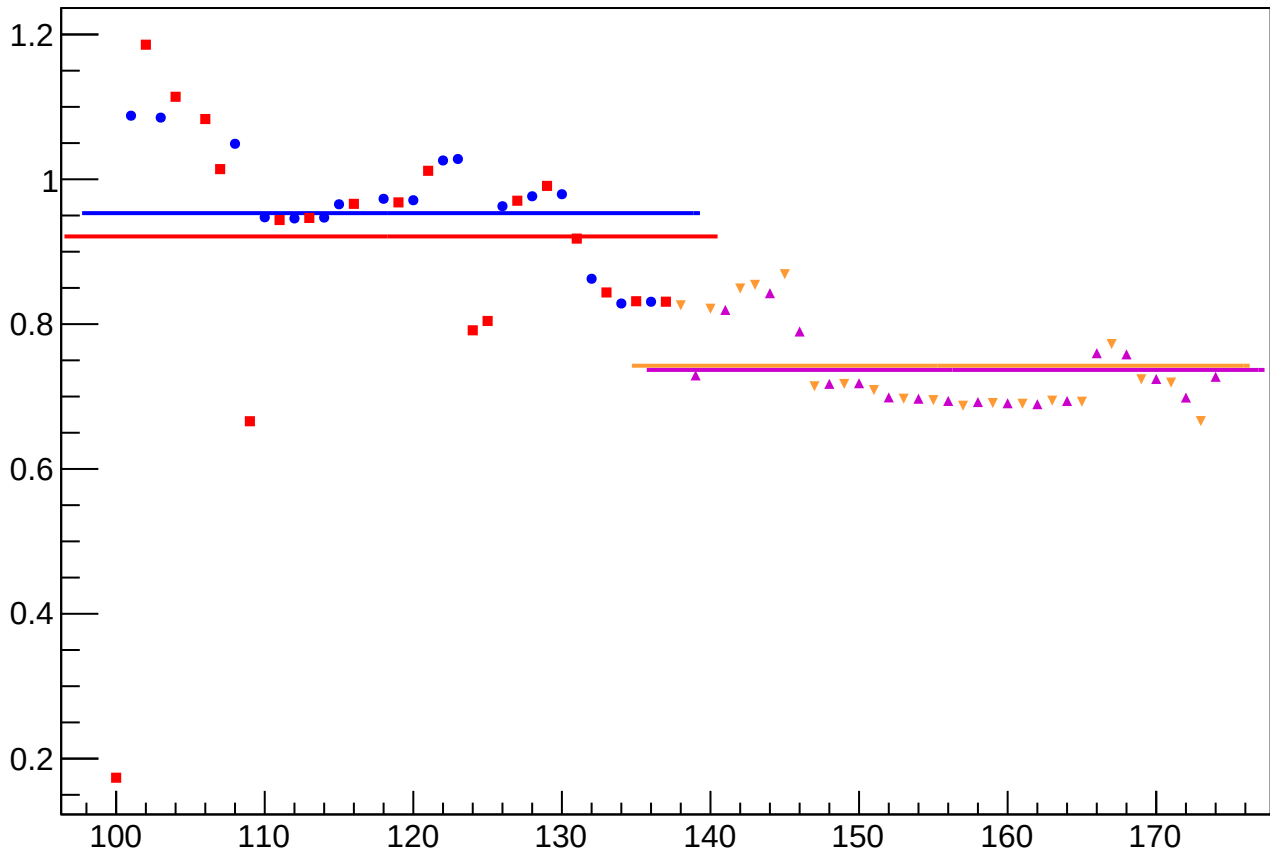
Left In: 0.013+/-0.000 χ^2/NDF : 1927350.6/17

+ sign 0.015+/-0.000 χ^2/NDF : 7762320.9/35

All: 0.014+/-0.000 χ^2/NDF : 15411522.5/72

- sign 0.014+/-0.000 χ^2/NDF : 7642604.4/36

yield_bpm11X_mean vs Slug

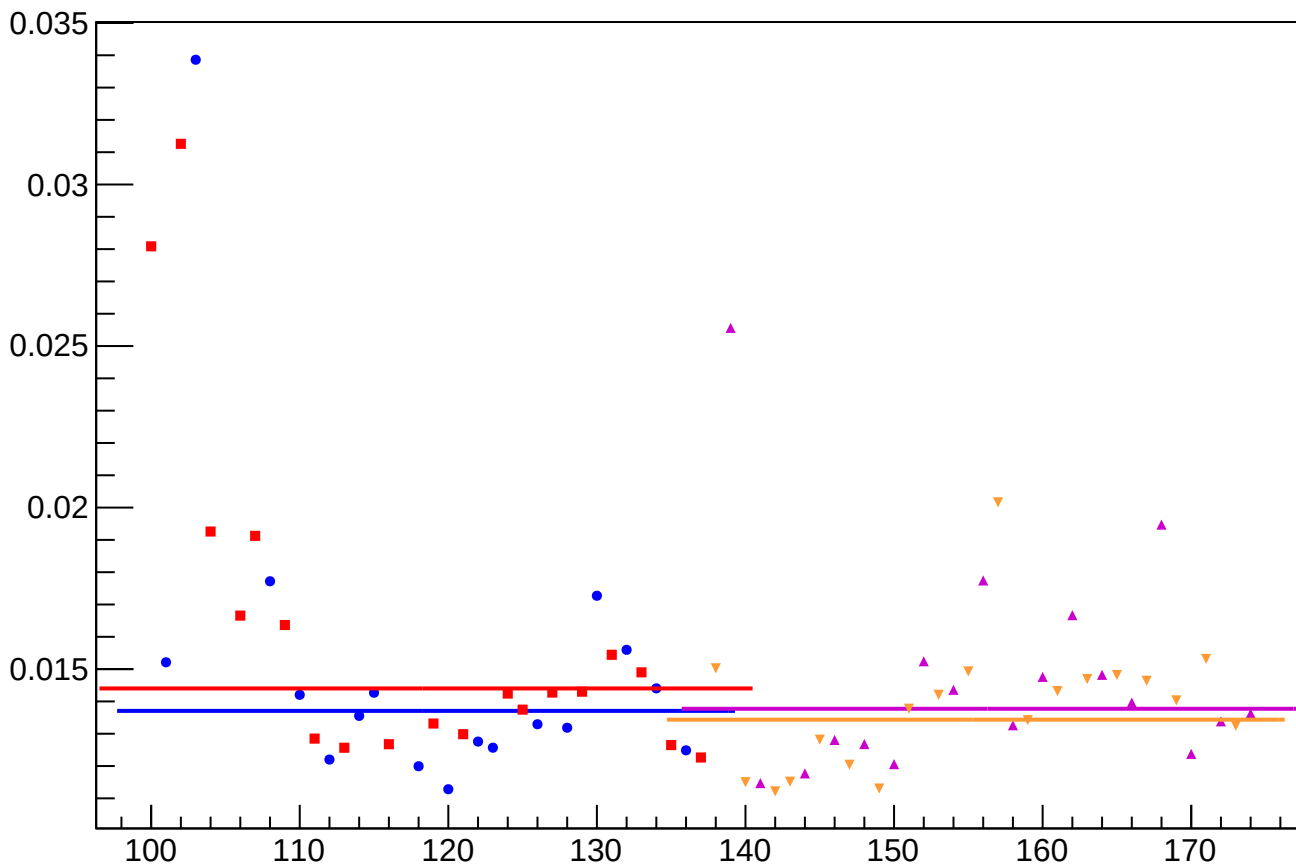


+ sign 0.808 ± 0.000 χ^2/NDF : 1411124619.9/35

All: 0.801 ± 0.000 χ^2/NDF : 2645578738.9/72

- sign 0.794 ± 0.000 χ^2/NDF : 1224998126.5/36

yield_bpm11X_rms vs Slug



Right In: 0.014 ± 0.000 χ^2/NDF : 546317.6/16

Left Out: 0.013 ± 0.000 χ^2/NDF : 393300.3/18

Right Out: 0.014 ± 0.000 χ^2/NDF : 501768.8/18

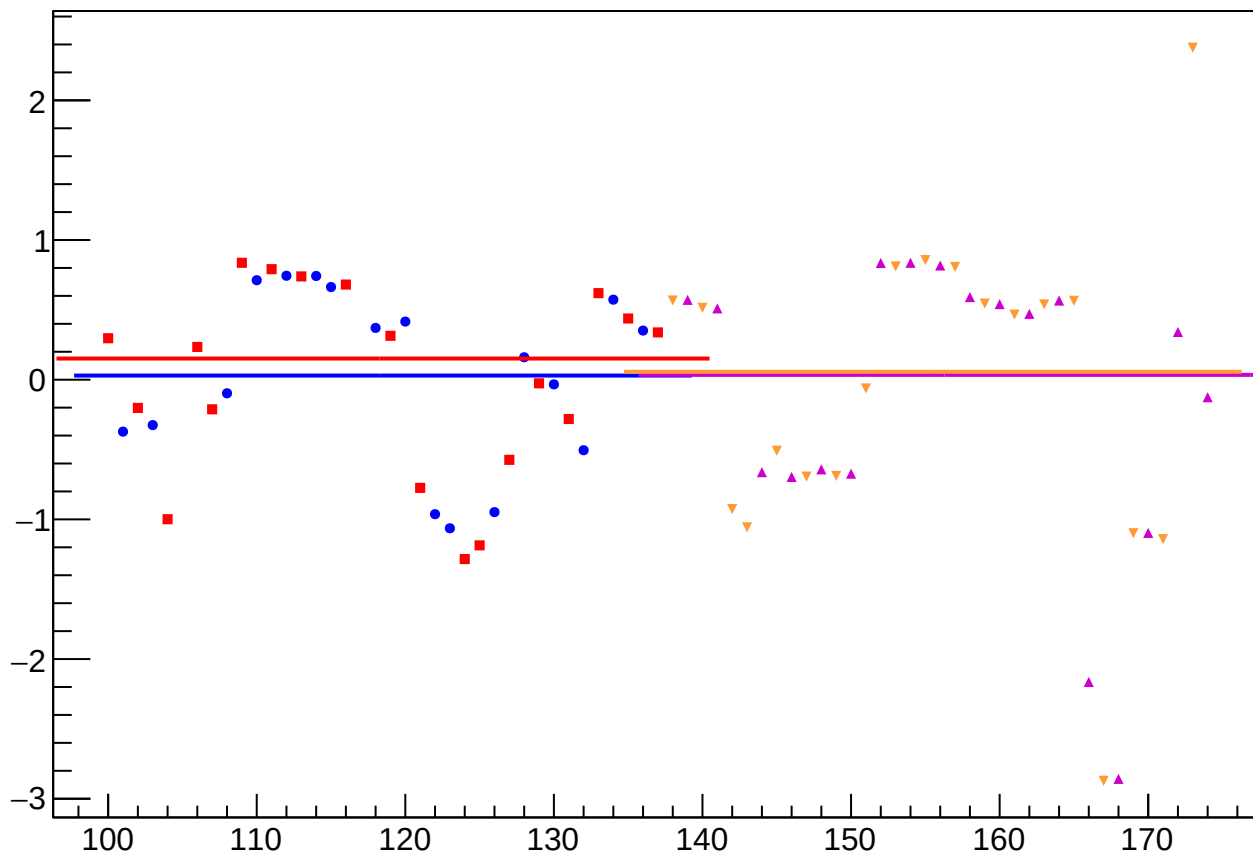
Left In: 0.014 ± 0.000 χ^2/NDF : 725792.6/17

+ sign 0.014 ± 0.000 χ^2/NDF : 942777.1/35

All: 0.014 ± 0.000 χ^2/NDF : 2205816.1/72

- sign 0.014 ± 0.000 χ^2/NDF : 1243541.1/36

yield_bpm11Y_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.057 $\pm$ 0.000 χ^2 /NDF: 94866219100.2/18

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12661812059.7/18

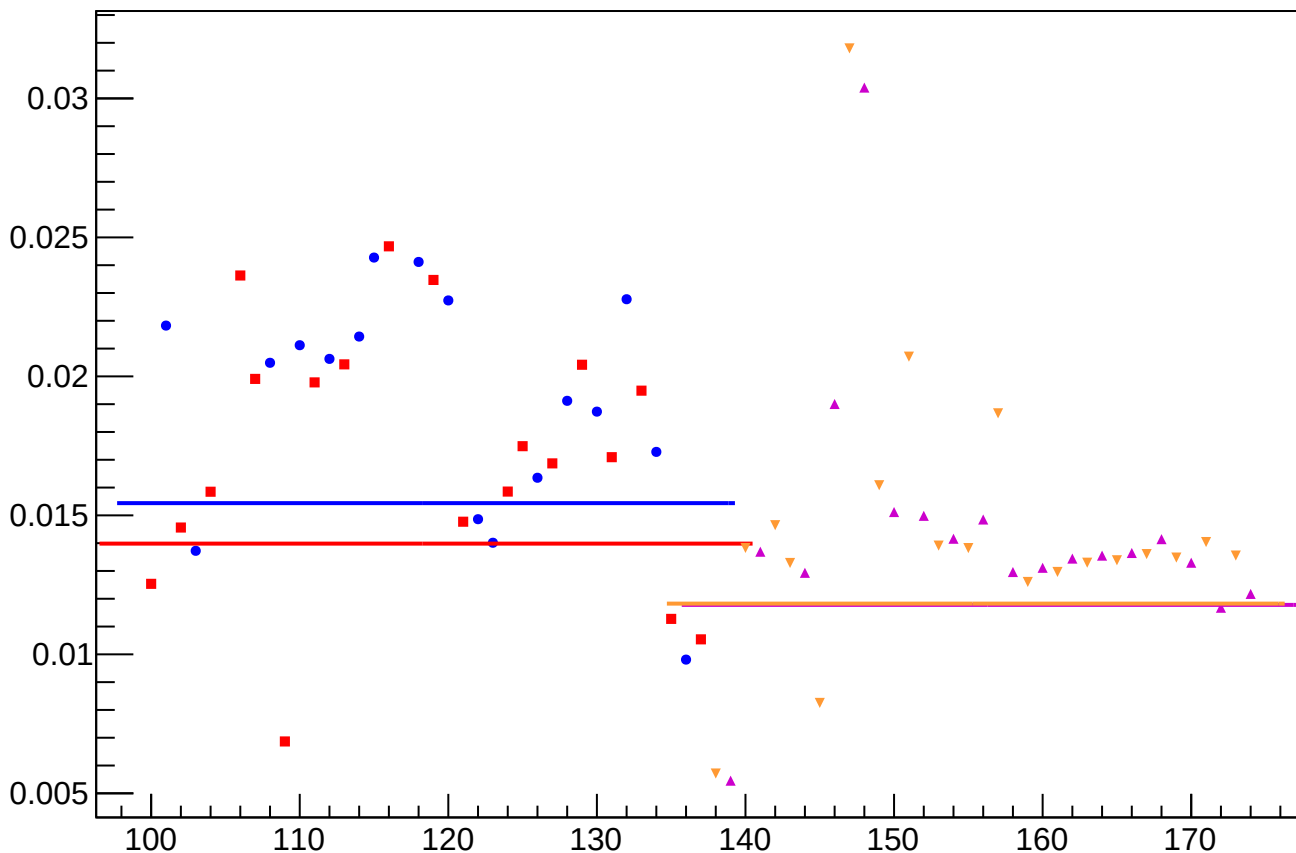
Left In: 0.035 $\pm$ 0.000 χ^2 /NDF: 78267841783.8/17

+ sign 0.051 $\pm$ 0.000 χ^2 /NDF: 101174841797.8/35

All: 0.058 $\pm$ 0.000 χ^2 /NDF: 192406763644.7

- sign 0.064 $\pm$ 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 : 3038430.0/18

Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

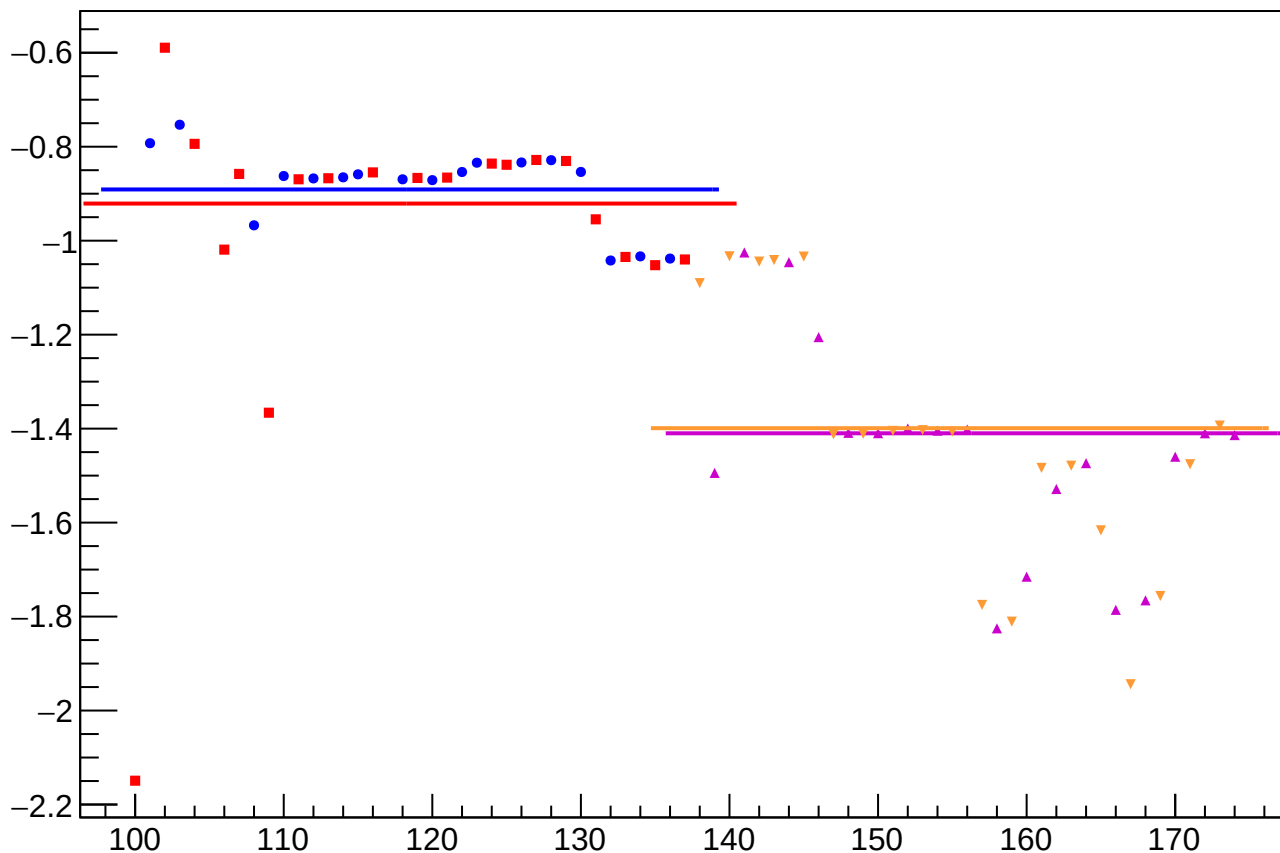
Left In: 0.012+/-0.000 χ^2/NDF : 2940516.1/17

+ sign 0.013+/-0.000 χ^2/NDF : 4685317.8/35

All: 0.012+/-0.000 χ^2/NDF : 9403544.1/72

- 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: -1.399+/-0.000 χ^2/NDF : 717977459.1/18

Right Out: -0.921+/-0.000 χ^2/NDF : 131183059.9/18

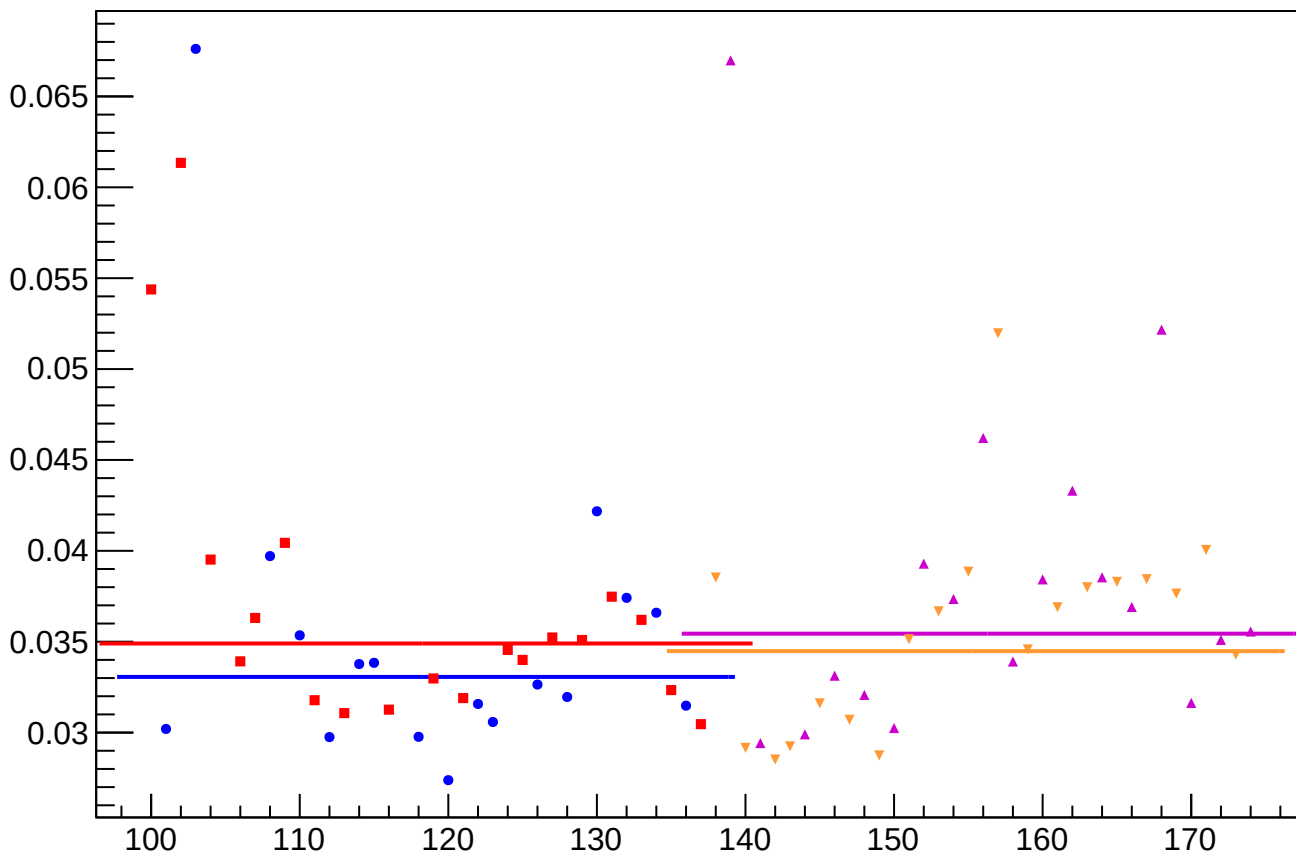
Left In: -1.410+/-0.000 χ^2/NDF : 511078360.3/17

+ sign -1.225+/-0.000 χ^2/NDF : 1668690877.1/35

All: -1.233+/-0.000 χ^2/NDF : 3107424525.8/7

- 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: 0.034+/-0.000 χ^2/NDF : 448551.4/18

Right Out: 0.035+/-0.000 χ^2/NDF : 274270.8/18

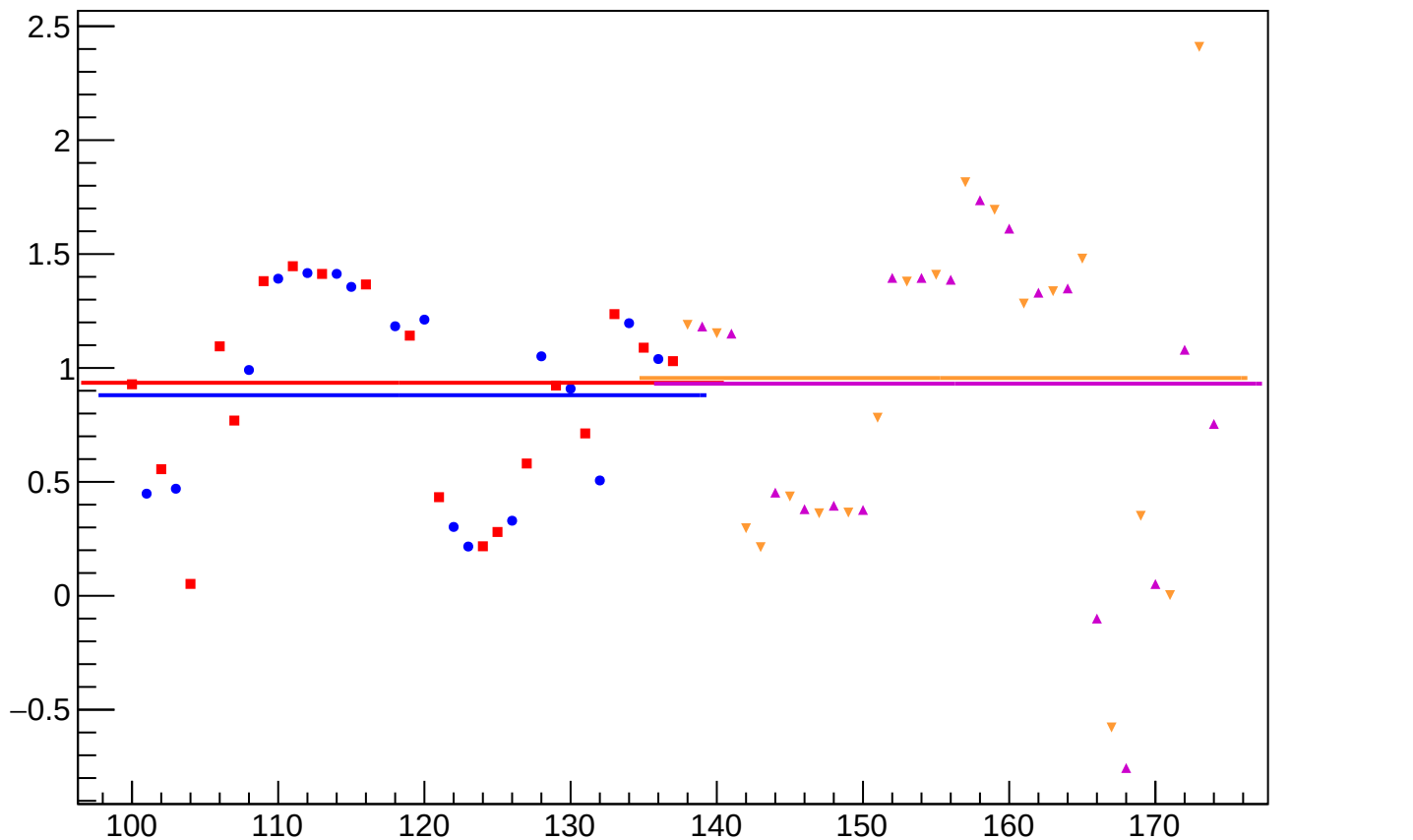
Left In: 0.035+/-0.000 χ^2/NDF : 808882.9/17

+ sign 0.034+/-0.000 χ^2/NDF : 872052.5/35

All: 0.035+/-0.000 χ^2/NDF : 1981349.0/72

- sign 0.035+/-0.000 χ^2/NDF : 1085091.3/36

yield_bpm12Y_mean vs Slug



+ sign 0.938 +/- 0.000 χ^2/NDF : 88663178304.9/35

Right In: 0.880 +/- 0.000 χ^2/NDF : 6400108121.4/16

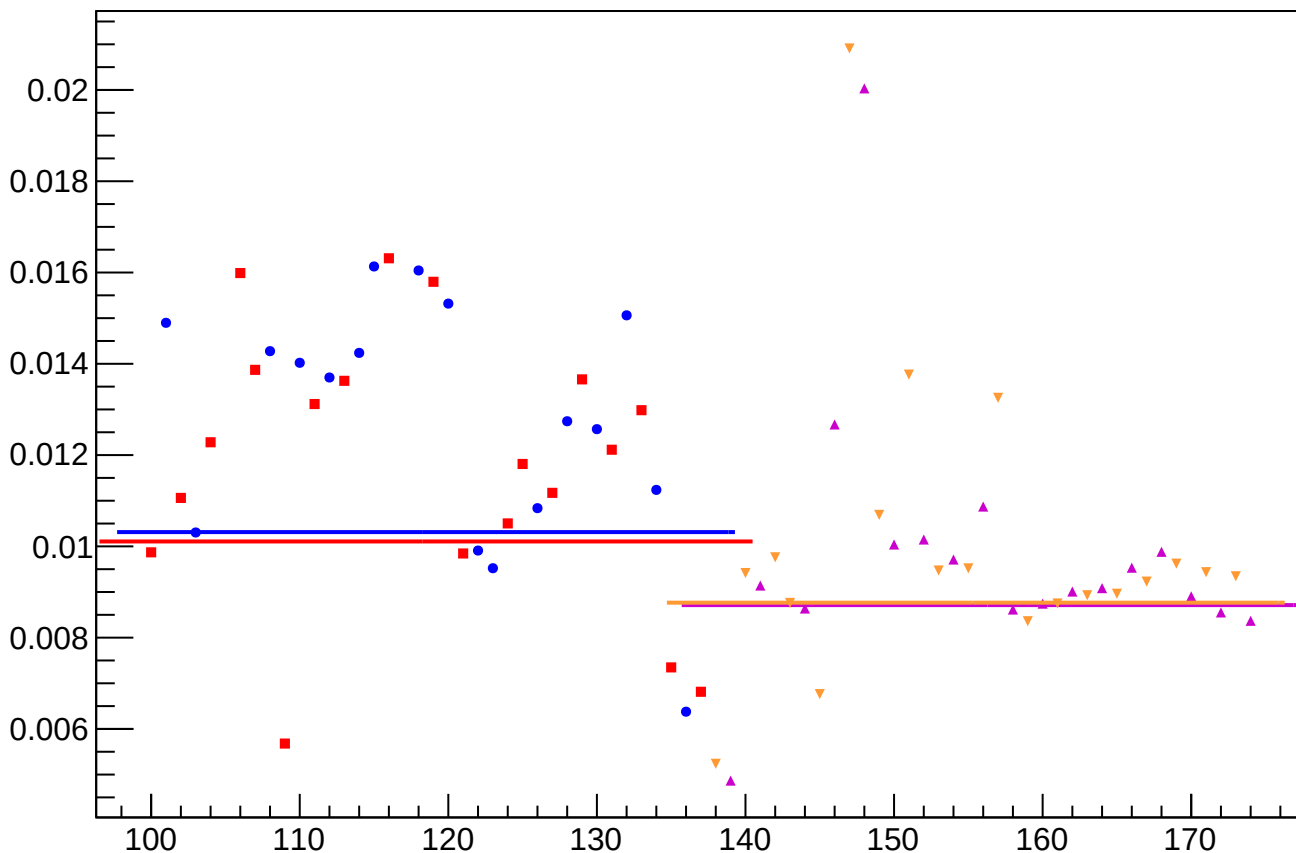
Left Out: 0.956 +/- 0.000 χ^2/NDF : 82035240716.8/18

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 0.932 +/- 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:1693449.3/18

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

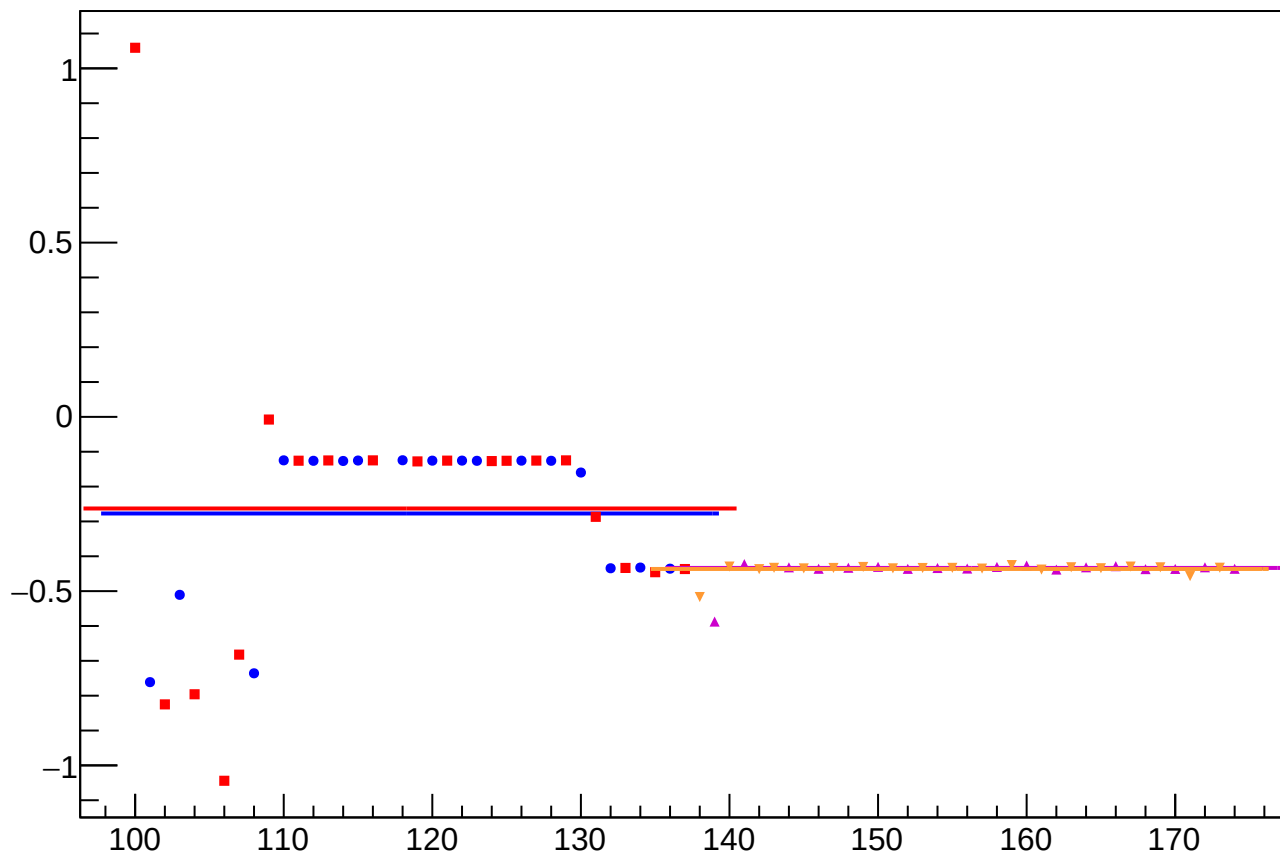
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1595611.2/17

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3115770.4/35

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6055839.7/72

- 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 : 28735008.3/18

Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

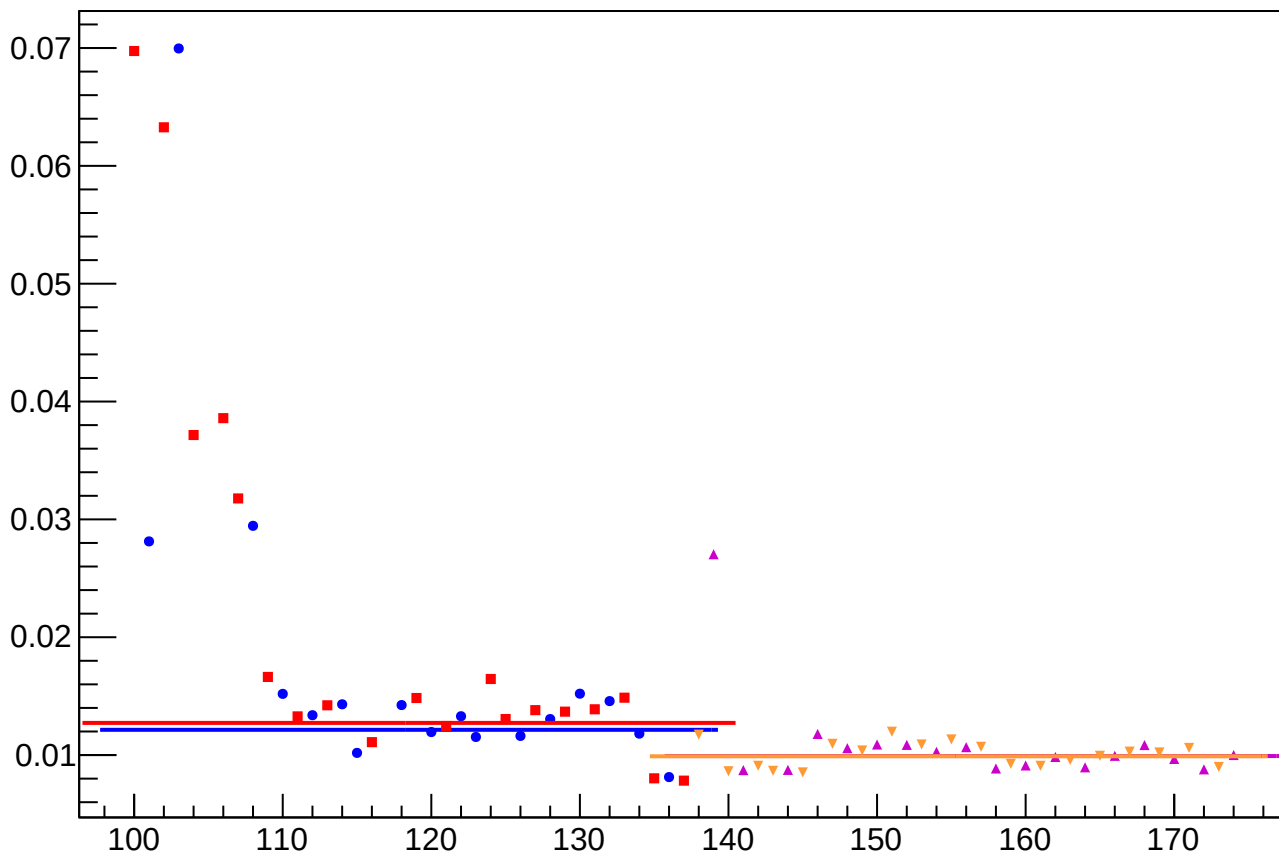
Left In: -0.433 ± 0.000 χ^2/NDF : 23691878.7/17

+ sign -0.403 ± 0.000 χ^2/NDF : 1610588268.6/35

All: -0.401 ± 0.000 χ^2/NDF : 3337985741.9/7

- sign -0.399 ± 0.000 χ^2/NDF : 1726048893.7/36

yield_bpm16X_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1727494.7/16

Left Out: 0.010 ± 0.000 χ^2/NDF : 246409.4/18

Right Out: 0.013 ± 0.000 χ^2/NDF : 1969165.0/18

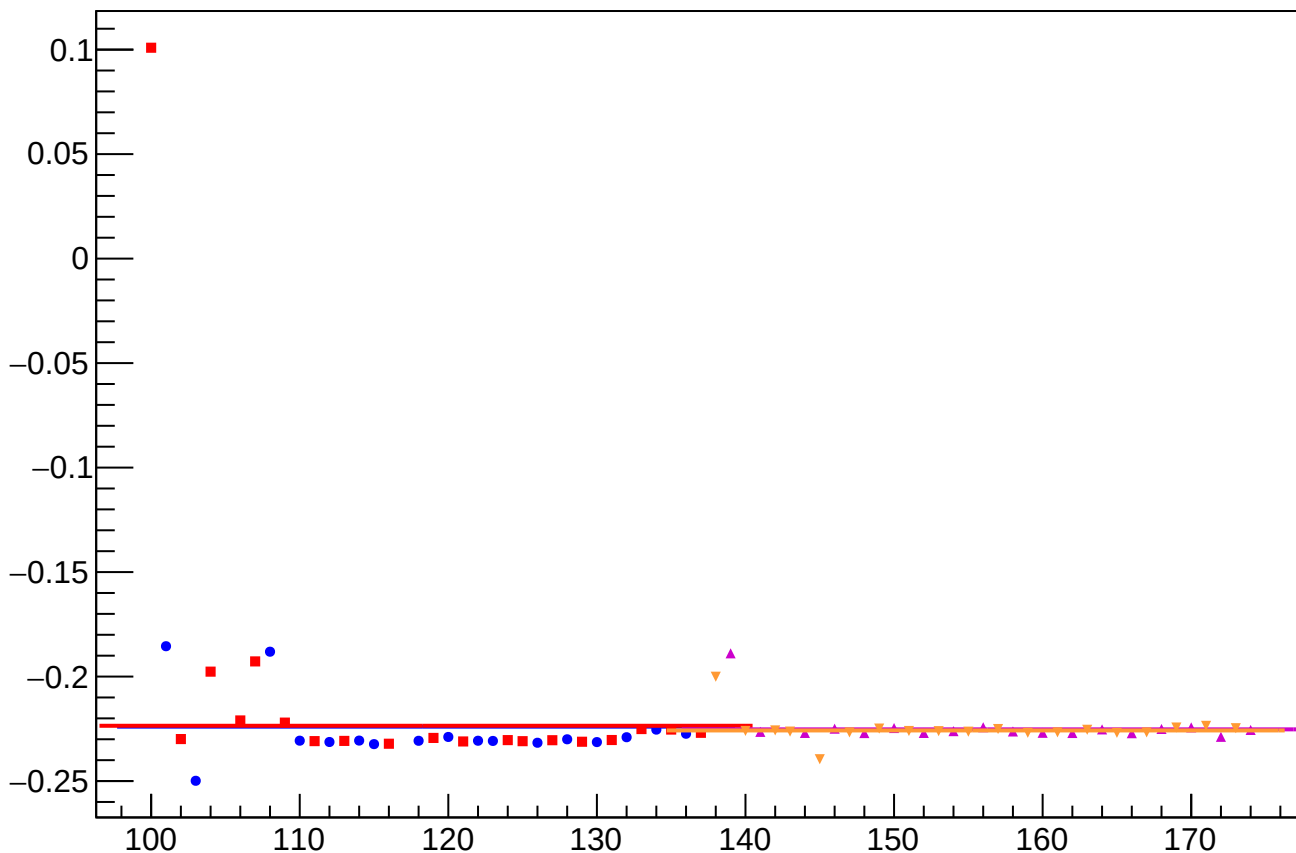
Left In: 0.010 ± 0.000 χ^2/NDF : 724224.8/17

+ sign 0.010 ± 0.000 χ^2/NDF : 2229243.8/35

All: 0.010 ± 0.000 χ^2/NDF : 5301988.9/72

- sign 0.010 ± 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 : 20866719.3/18

+ sign -0.225+/-0.000 χ^2/NDF : 96173603.8/35

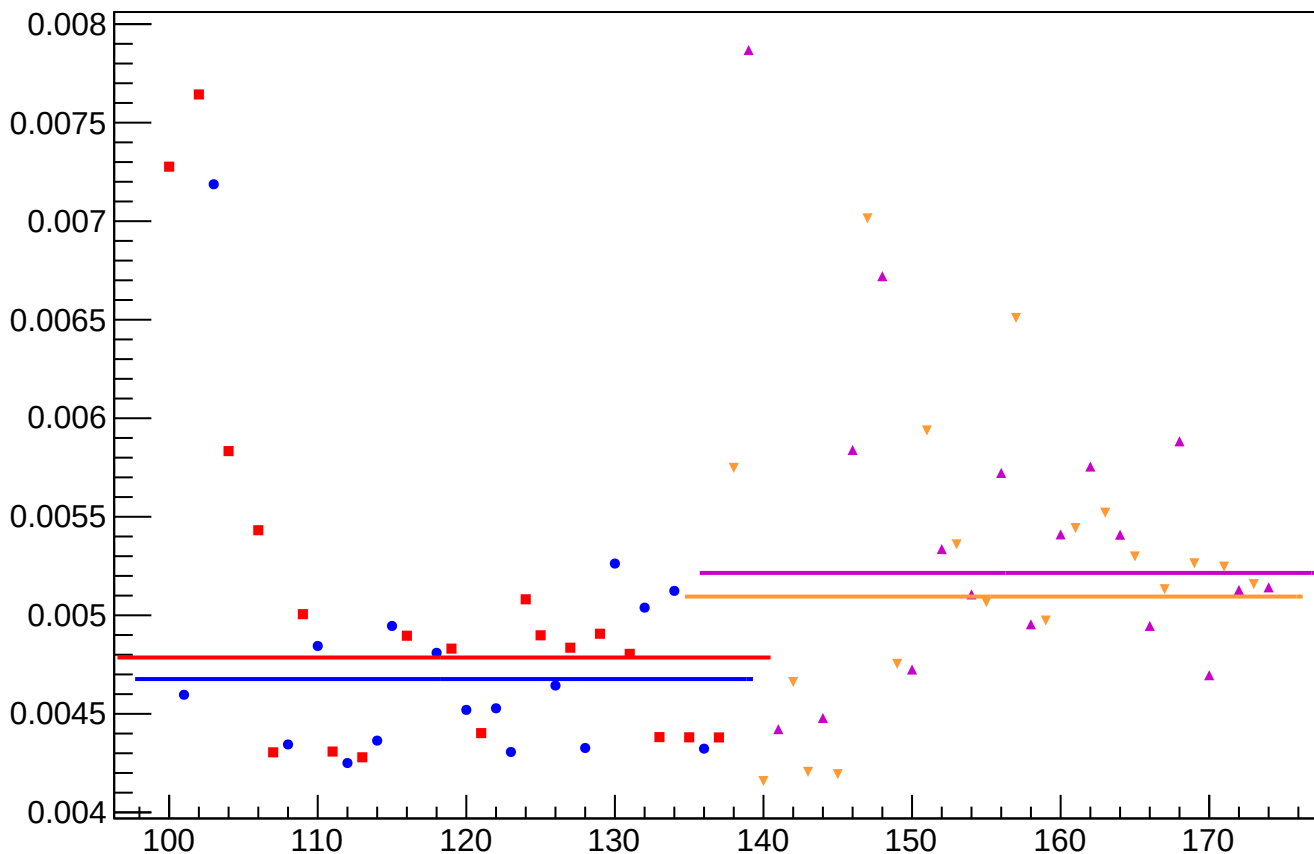
Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

All: -0.225+/-0.000 χ^2/NDF : 279611747.3/72

- sign -0.225+/-0.000 χ^2/NDF : 183339264.5/36

Left In: -0.225+/-0.000 χ^2/NDF : 14695502.0/17

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 : 451319.8/18

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

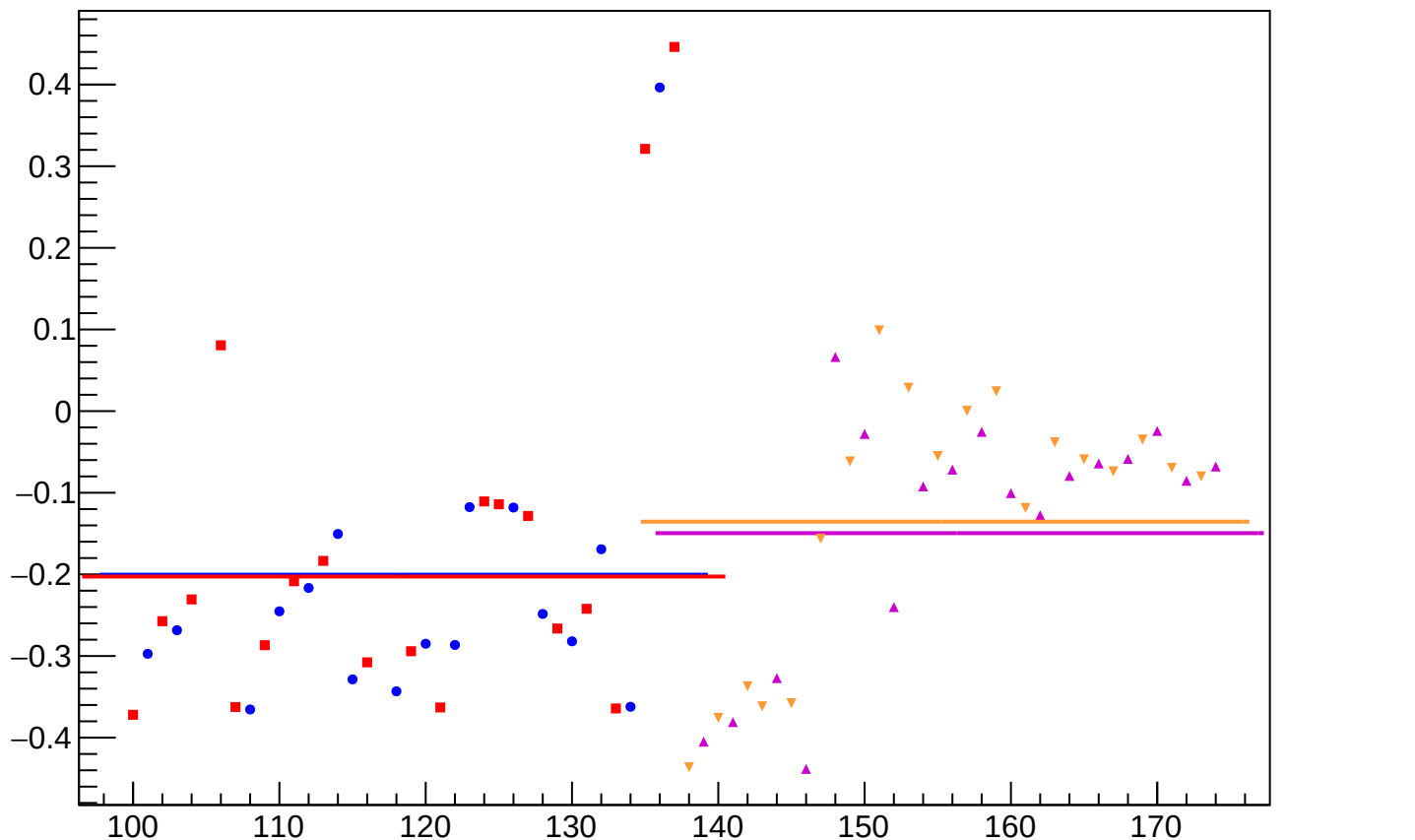
Left In: 0.005+/-0.000 χ^2/NDF : 426465.6/17

+ sign 0.005+/-0.000 χ^2/NDF : 695326.9/35

All: 0.005+/-0.000 χ^2/NDF : 1444204.5/72

- 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: -0.135+/-0.000 χ^2/NDF : 11714624366.1/18

Right Out: -0.203+/-0.000 χ^2/NDF : 5028268807.1/18

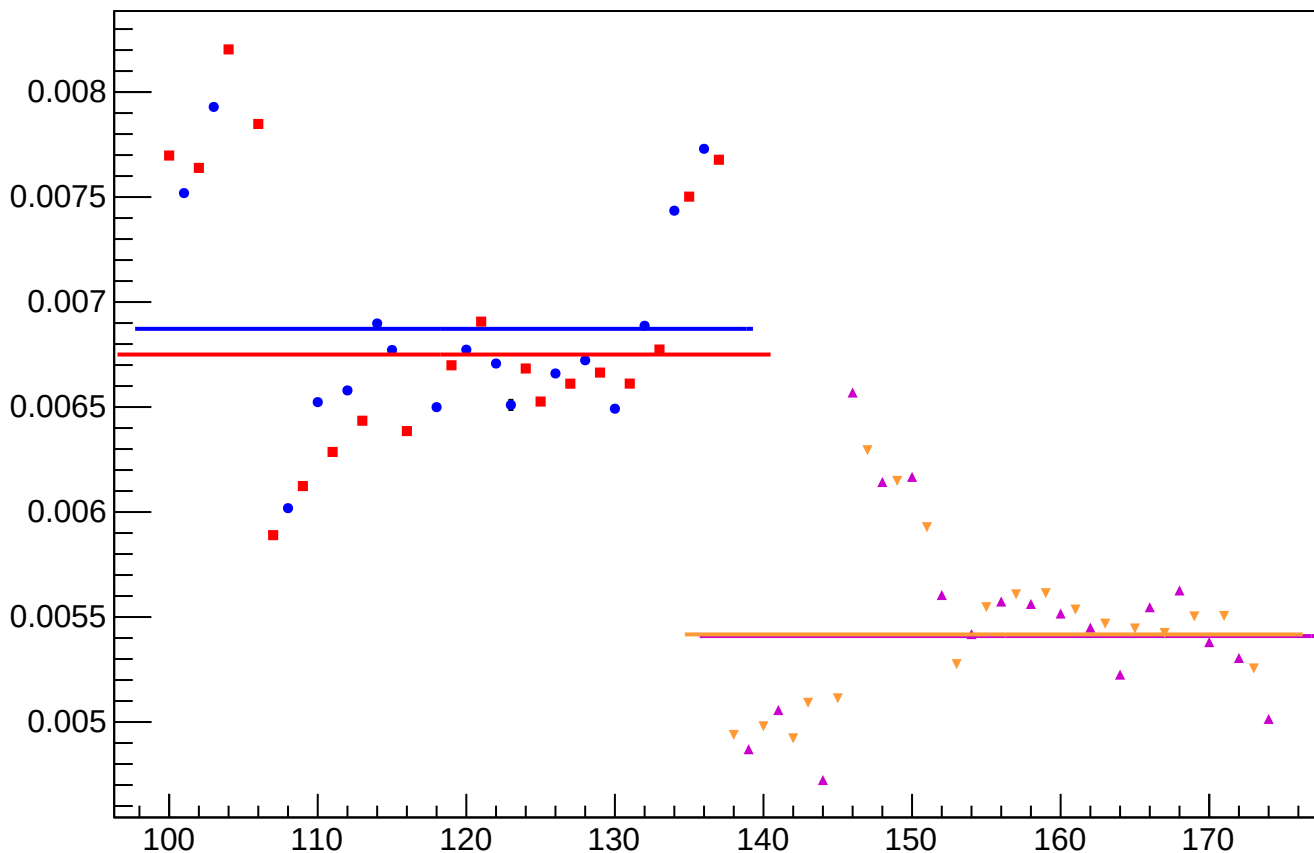
Left In: -0.150+/-0.000 χ^2/NDF : 9096188385.4/17

+ sign -0.151+/-0.000 χ^2/NDF : 18137841334.6/35

All: -0.157+/-0.000 χ^2/NDF : 32625931687.3/36

- sign -0.163+/-0.000 χ^2/NDF : 14443035826.8/36

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 78611.6/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:107740.5/18

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 105124.4/18

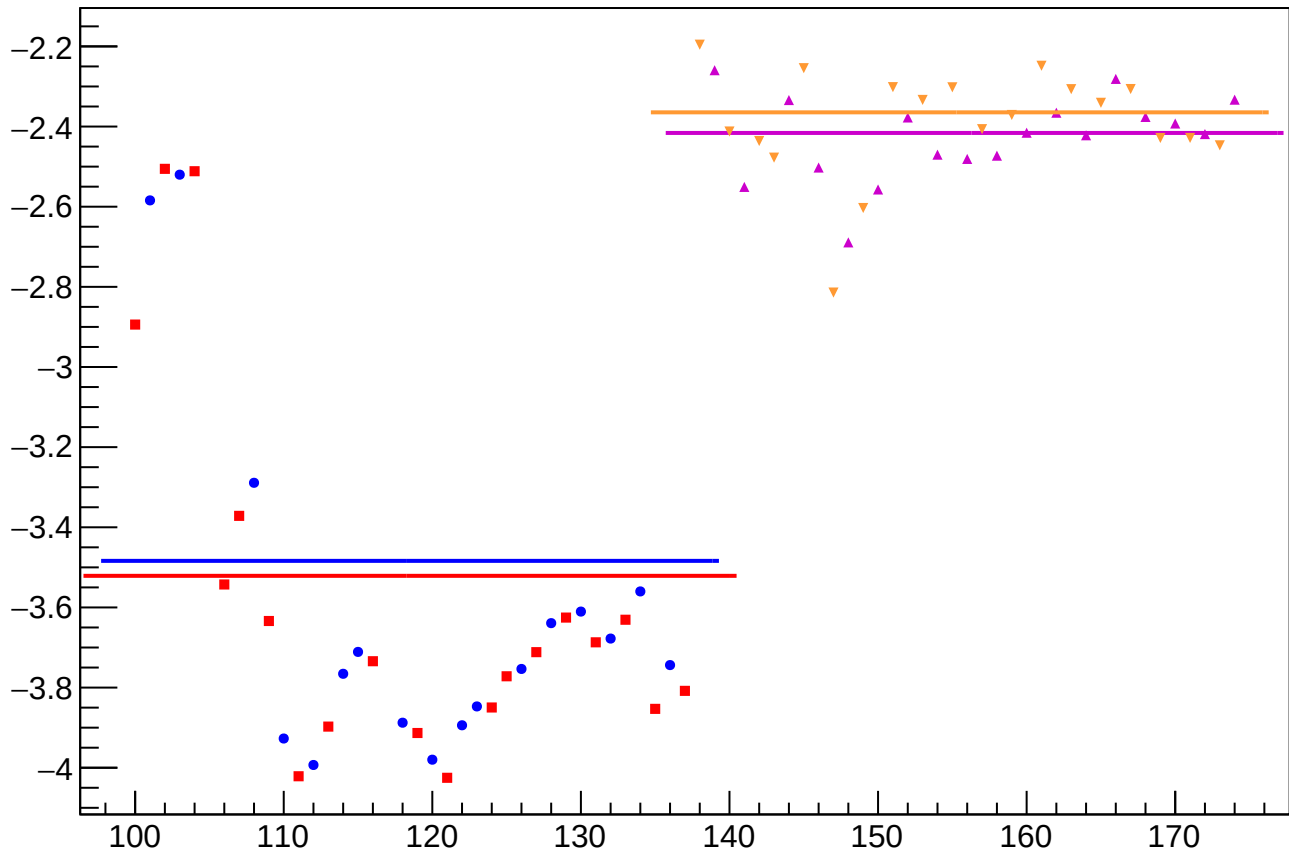
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:158810.1/17

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 637357.6/35

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1306750.5/72

- sign 0.006 $\pm$ 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: -2.365+/-0.000 χ^2/NDF : 1871865182.7/18

Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

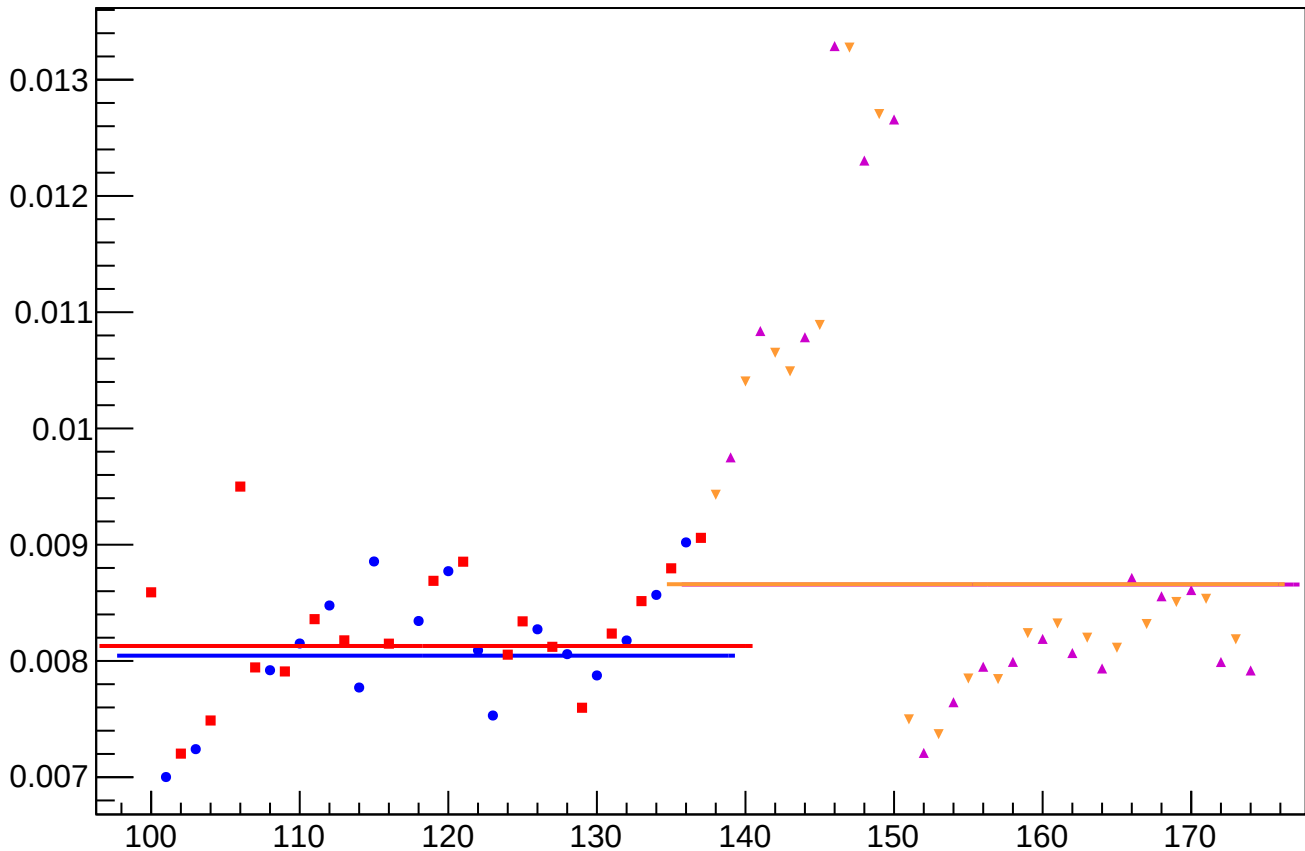
Left In: -2.416+/-0.000 χ^2/NDF : 1222323729.4/17

+ sign -2.773+/-0.000 χ^2/NDF : 109006095144.0/35

All: -2.801+/-0.000 χ^2/NDF : 215530368723.0

- 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 : 599752.1/18

Right Out: 0.008+/-0.000 χ^2/NDF : 57478.2/18

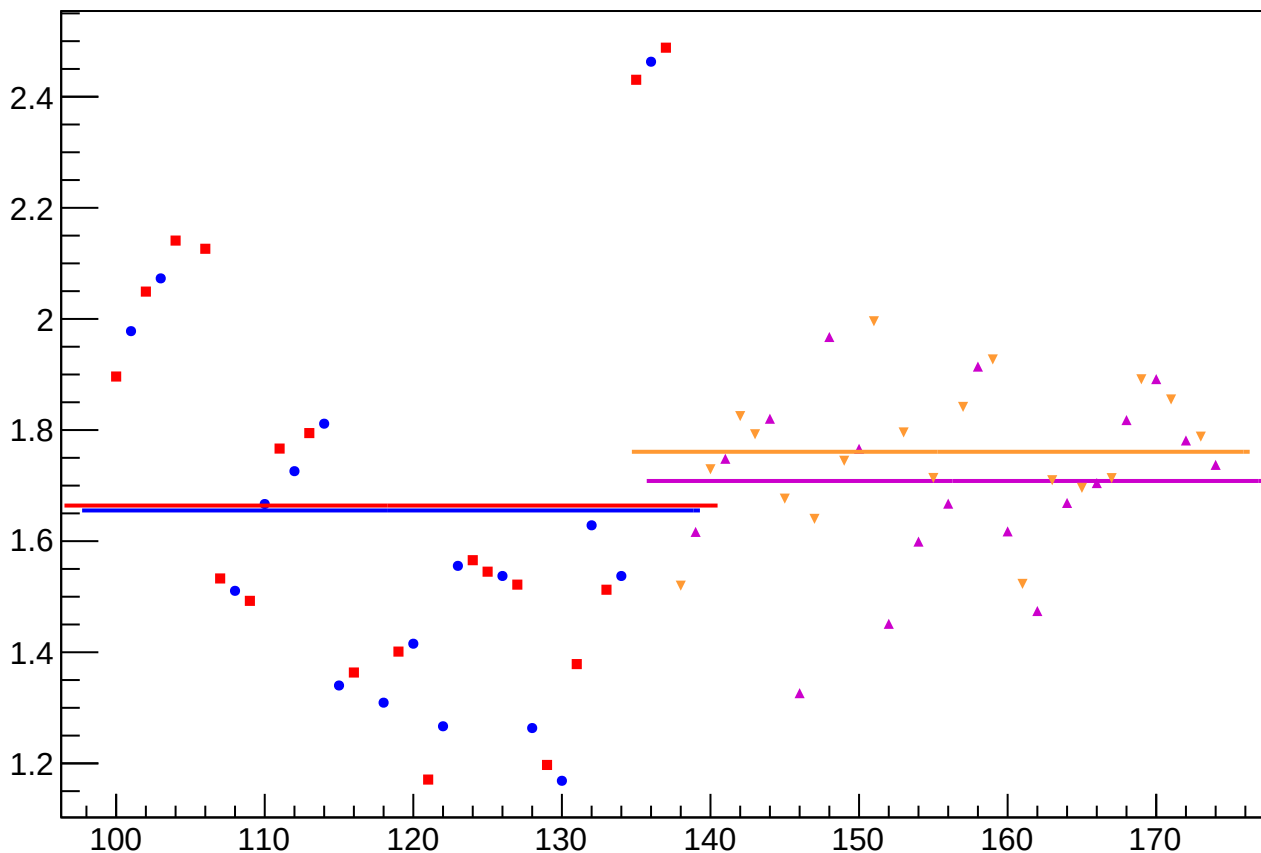
Left In: 0.009+/-0.000 χ^2/NDF : 726279.1/17

+ sign 0.008+/-0.000 χ^2/NDF : 719971.8/35

All: 0.008+/-0.000 χ^2/NDF : 1539755.4/72

- 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: 1.761 $\pm$ 0.000 χ^2 /NDF: 1758060103.4/18

Right Out: 1.664 $\pm$ 0.000 χ^2 /NDF: 5944262279.7/18

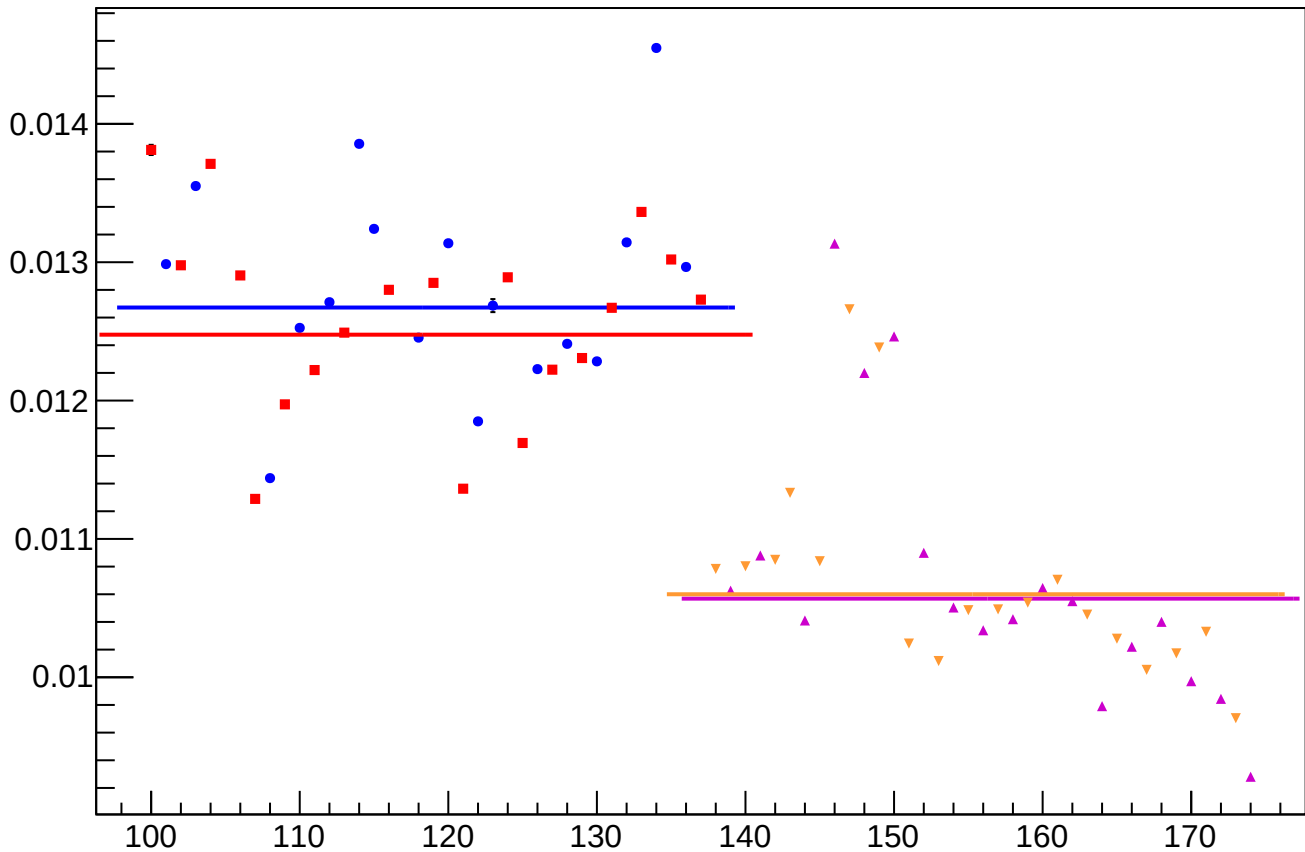
Left In: 1.708 $\pm$ 0.000 χ^2 /NDF: 2757560010.7/17

+ sign 1.734 $\pm$ 0.000 χ^2 /NDF: 8575061090.9/35

All: 1.715 $\pm$ 0.000 χ^2 /NDF: 17456228262.1/7

- sign 1.696 $\pm$ 0.000 χ^2 /NDF: 8764932962.1/36

yield_bpm0i02aX_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 31801.3/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:104443.3/18

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 39134.8/18

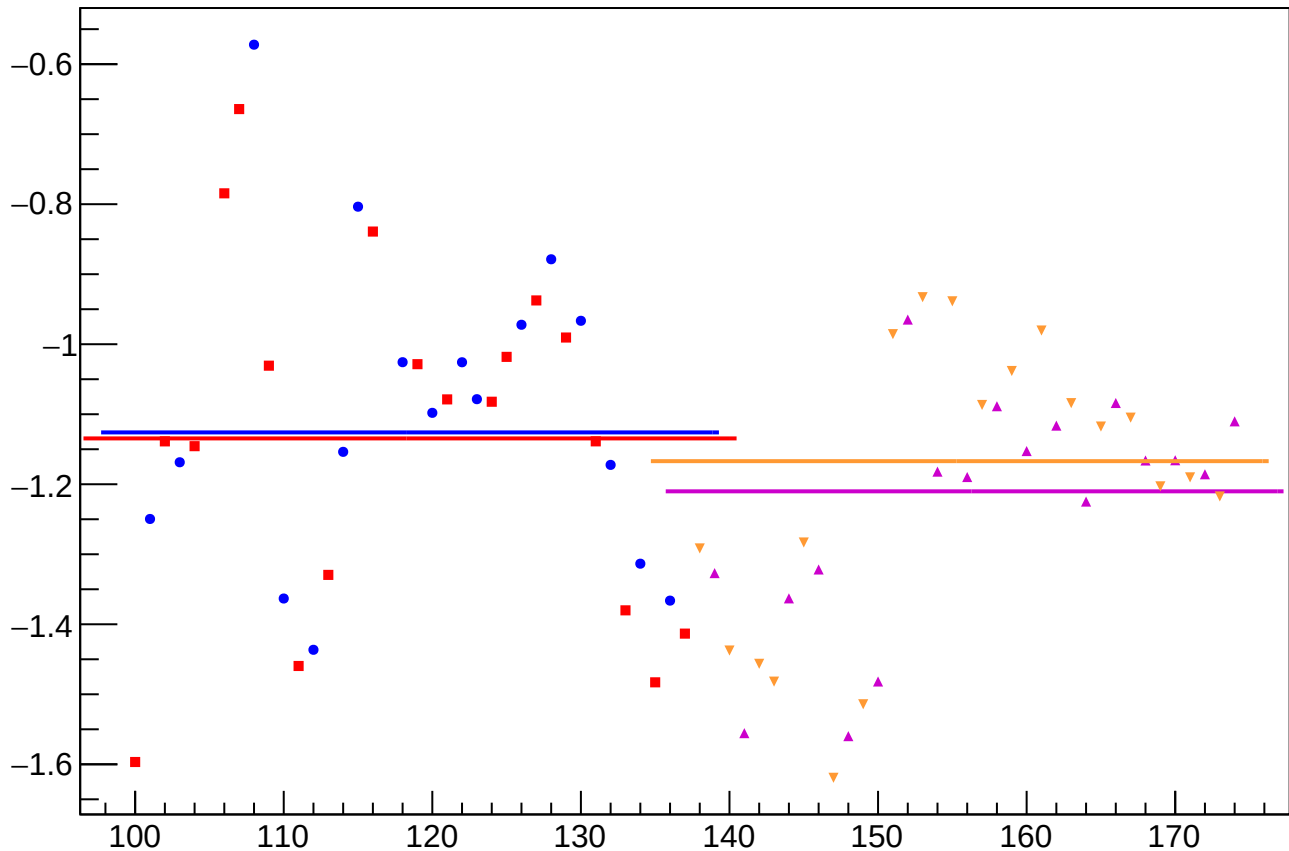
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:170450.3/17

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 398383.5/35

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 842744.0/72

- sign 0.011 $\pm$ 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: -1.167 ± 0.000 $\chi^2/\text{NDF}: 7161889758.3/18$

Right Out: -1.135 ± 0.000 $\chi^2/\text{NDF}: 3677461023.4/18$

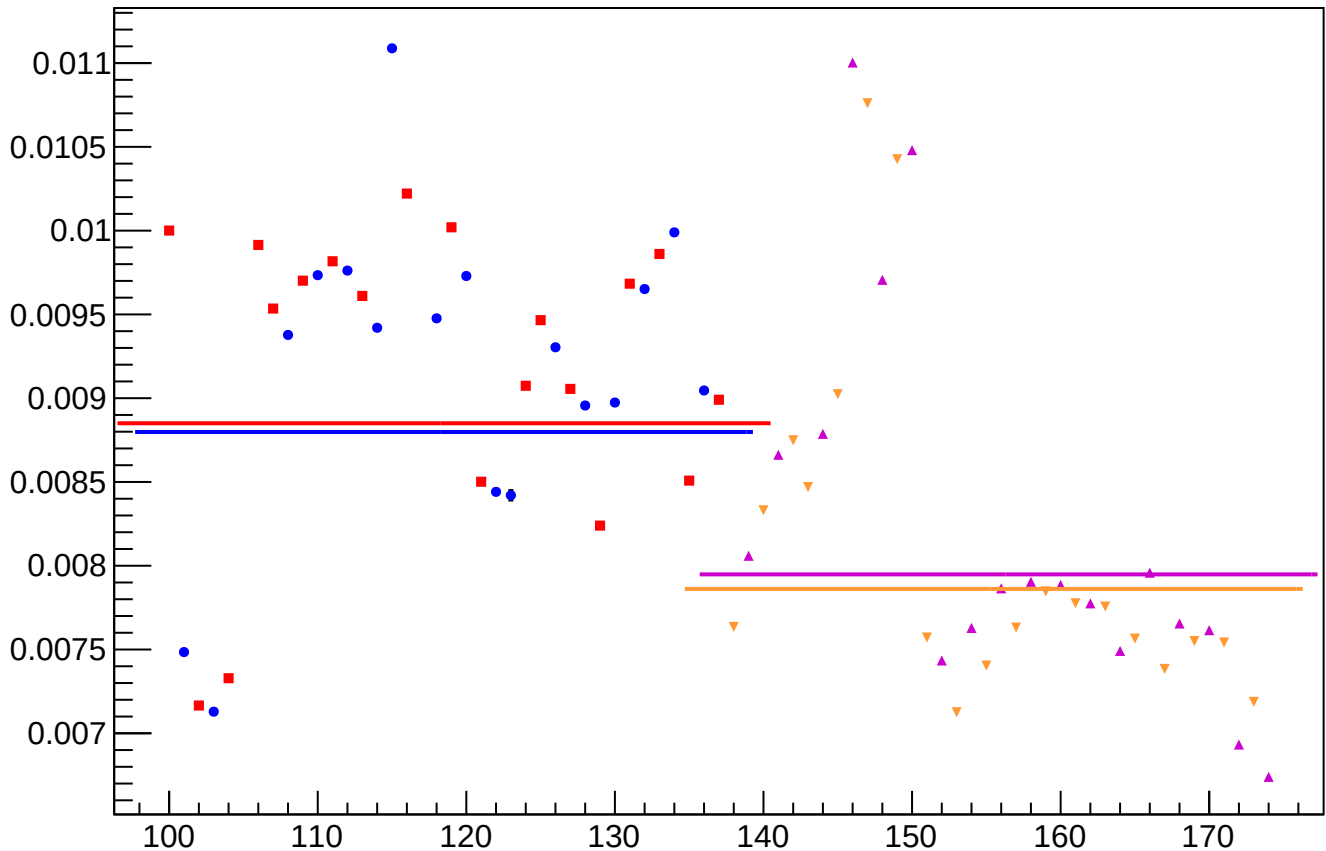
Left In: -1.210 ± 0.000 $\chi^2/\text{NDF}: 4692346175.2/17$

+ sign -1.155 ± 0.000 $\chi^2/\text{NDF}: 10836627349.2/35$

All: -1.172 ± 0.000 $\chi^2/\text{NDF}: 19701695446.5/36$

- 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 : 265958.5/18

Right Out: 0.009+/-0.000 χ^2/NDF : 173958.0/18

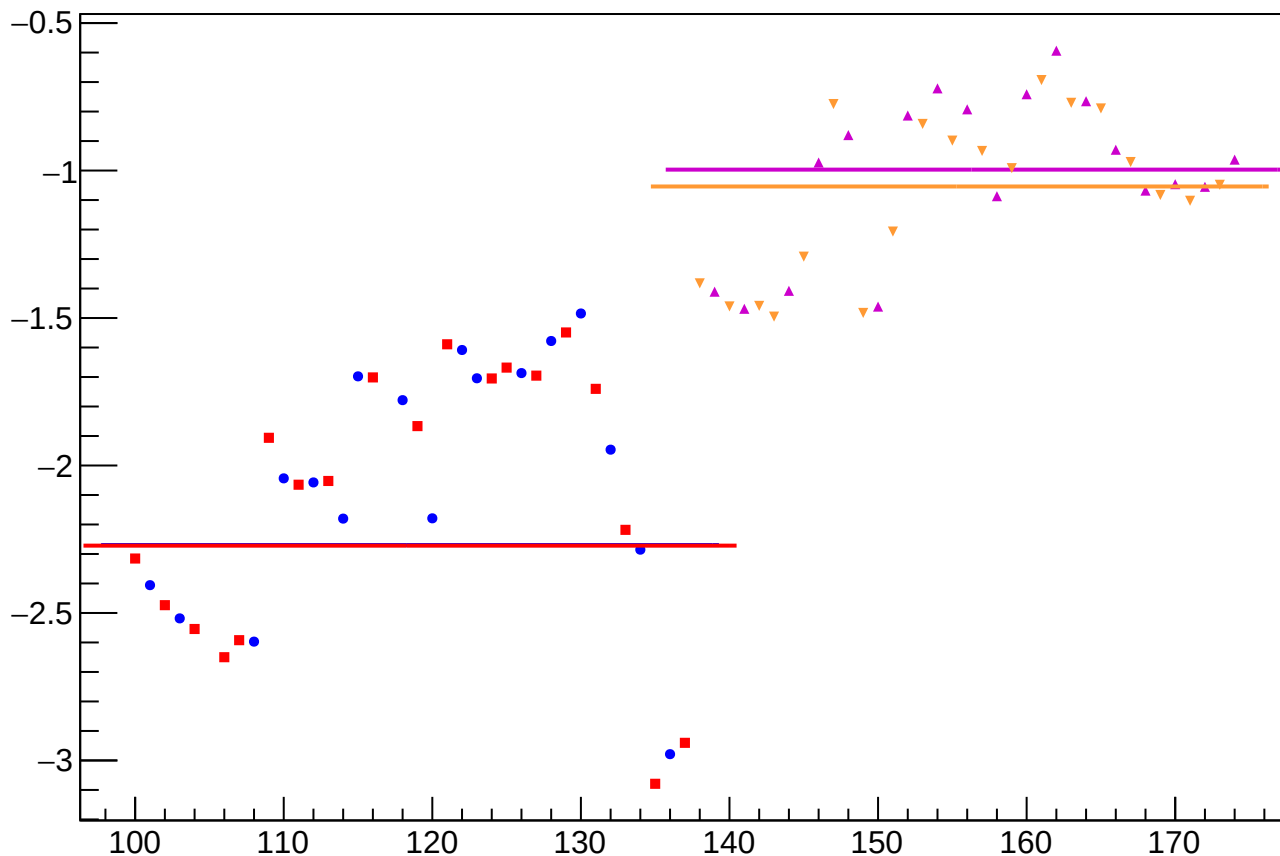
Left In: 0.008+/-0.000 χ^2/NDF : 348625.6/17

+ sign 0.008+/-0.000 χ^2/NDF : 521527.7/35

All: 0.008+/-0.000 χ^2/NDF : 1143604.1/72

- 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: -1.054+/-0.000 χ^2/NDF : 17611873241.2/18

Right Out: -2.272+/-0.000 χ^2/NDF : 19009331715.4/18

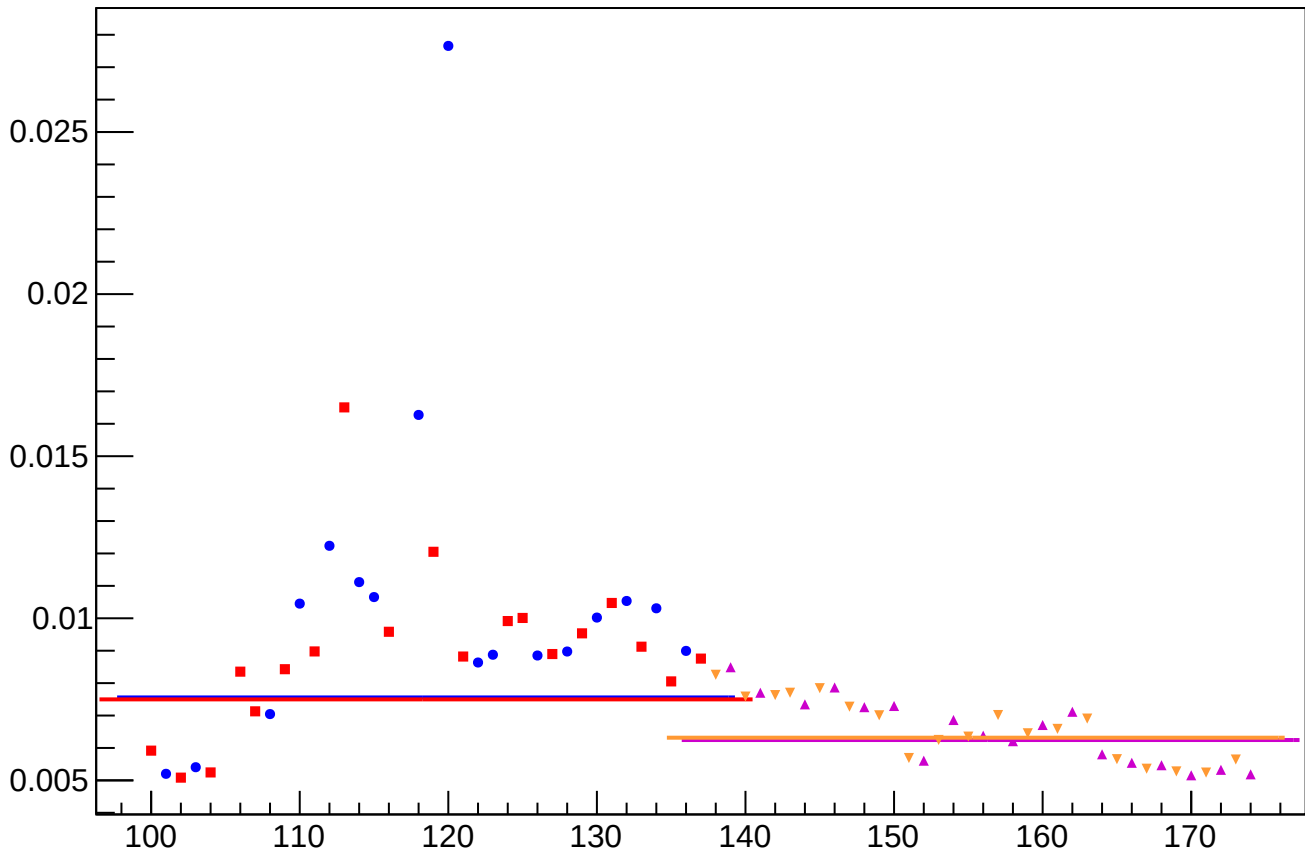
Left In: -0.997+/-0.000 χ^2/NDF : 18125498697.2/17

+ sign -1.316+/-0.000 χ^2/NDF : 137189901306.7/35

All: -1.305+/-0.000 χ^2/NDF : 298397434722.9

- 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 :519362.7/18

Right Out: 0.007+/-0.000 χ^2/NDF : 933998.1/18

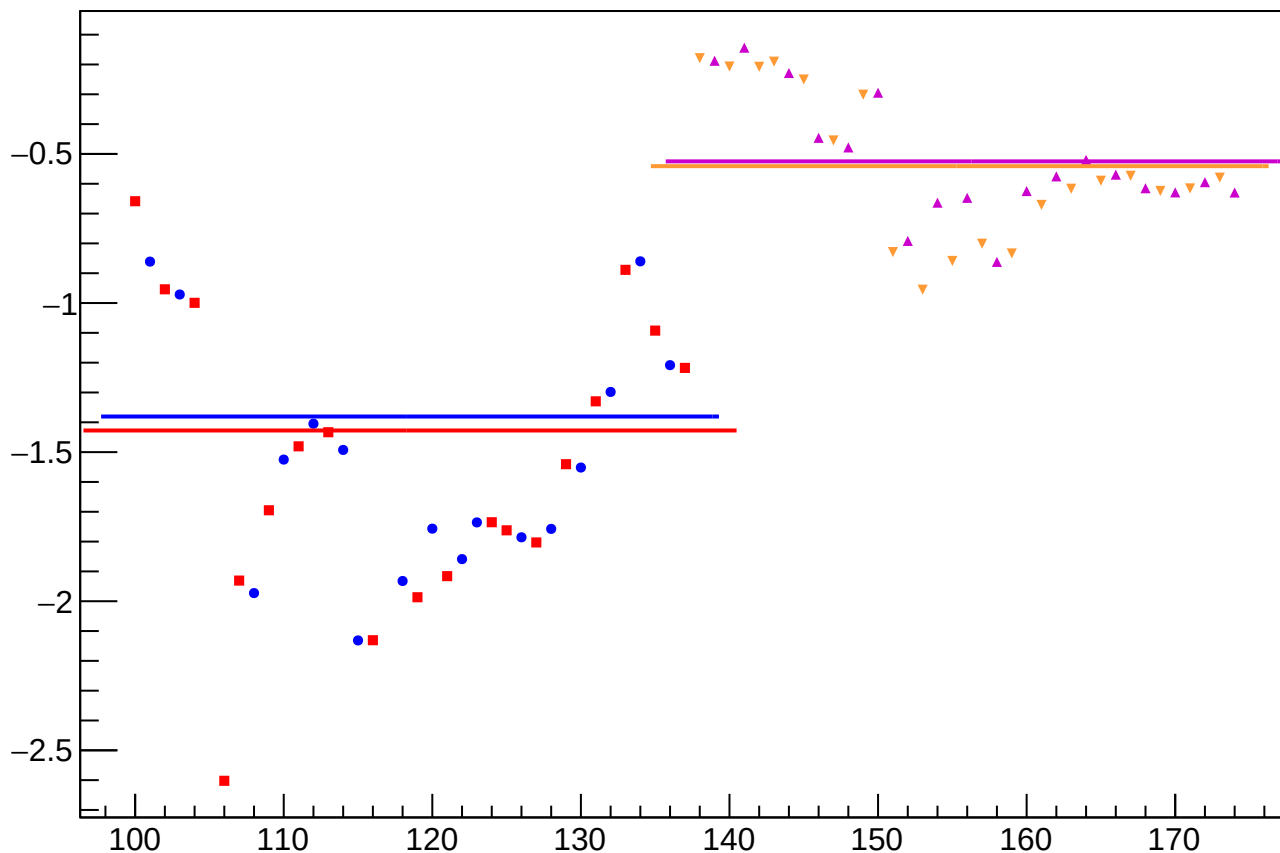
Left In: 0.006+/-0.000 χ^2/NDF :593802.5/17

+ sign 0.007+/-0.000 χ^2/NDF : 1953545.8/35

All: 0.007+/-0.000 χ^2/NDF : 3722079.3/72

- 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: -0.541+/-0.000 χ^2/NDF : 45380619849.9/18

Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

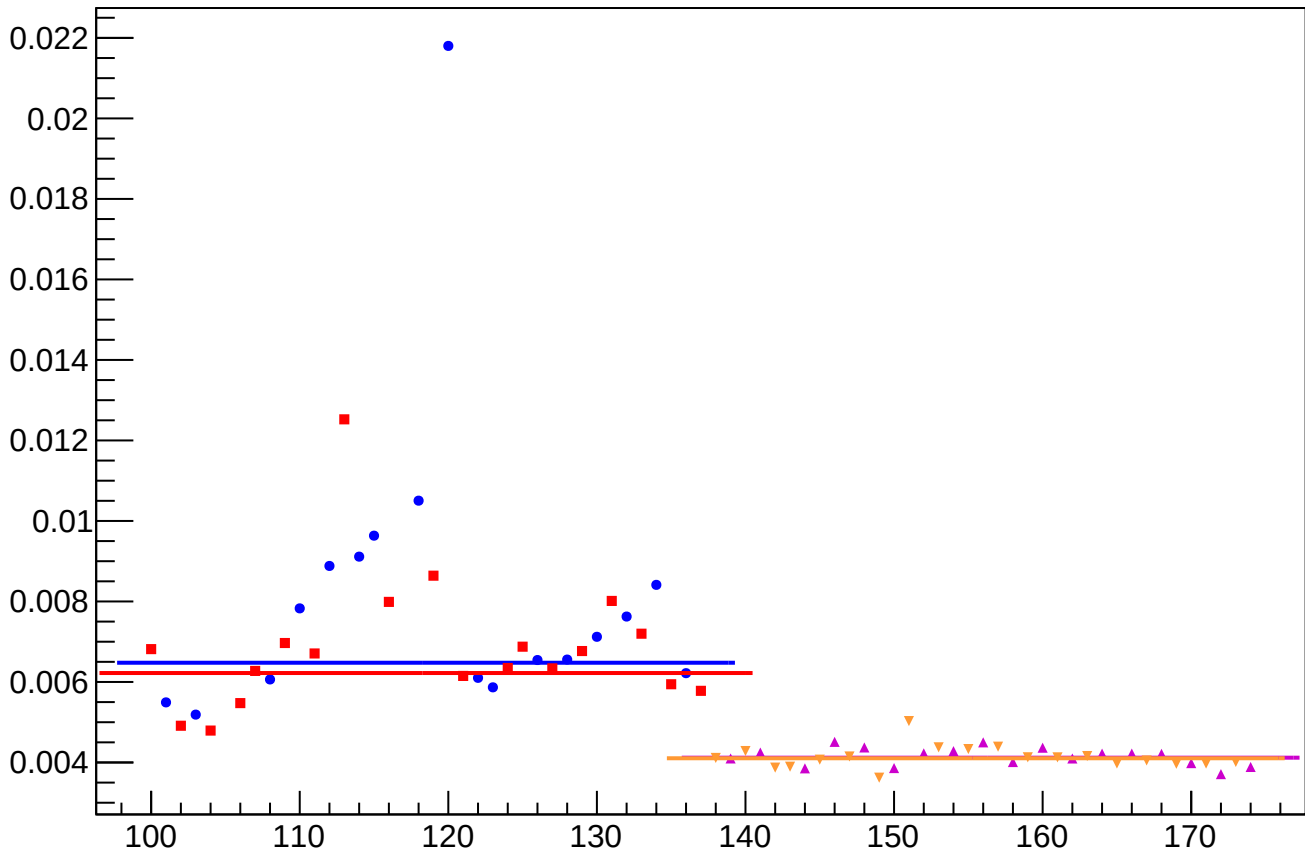
Left In: -0.525+/-0.000 χ^2/NDF : 30386094391.2/17

+ sign -0.663+/-0.000 χ^2/NDF : 143627010269.2/35

All: -0.670+/-0.000 χ^2/NDF : 306673167983.9

- 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 : 95069.4/18

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

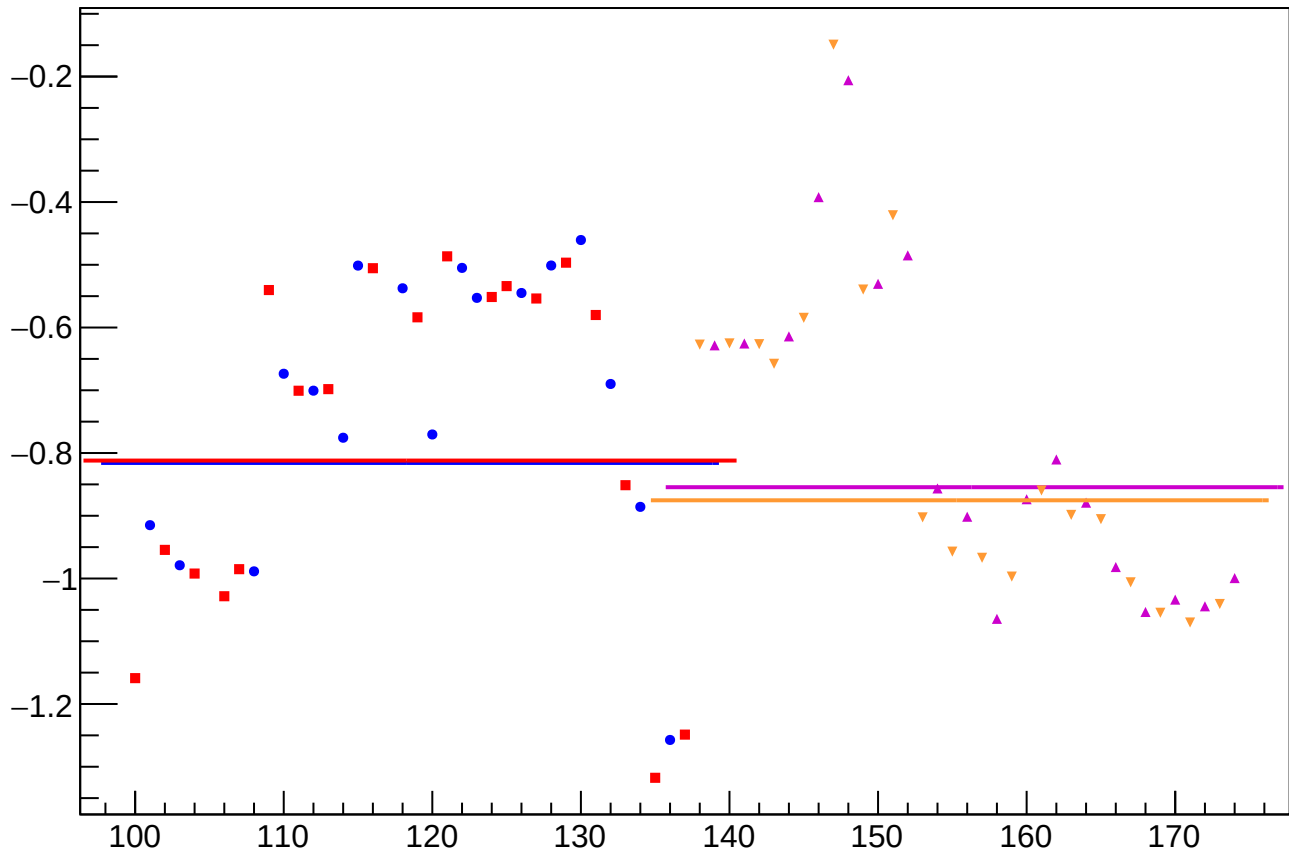
Left In: 0.004+/-0.000 χ^2/NDF : 74893.3/17

+ sign 0.004+/-0.000 χ^2/NDF : 1918086.2/35

All: 0.004+/-0.000 χ^2/NDF : 3534967.2/72

- 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: -0.875+/-0.000 χ^2/NDF : 39097006340.2/18

Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

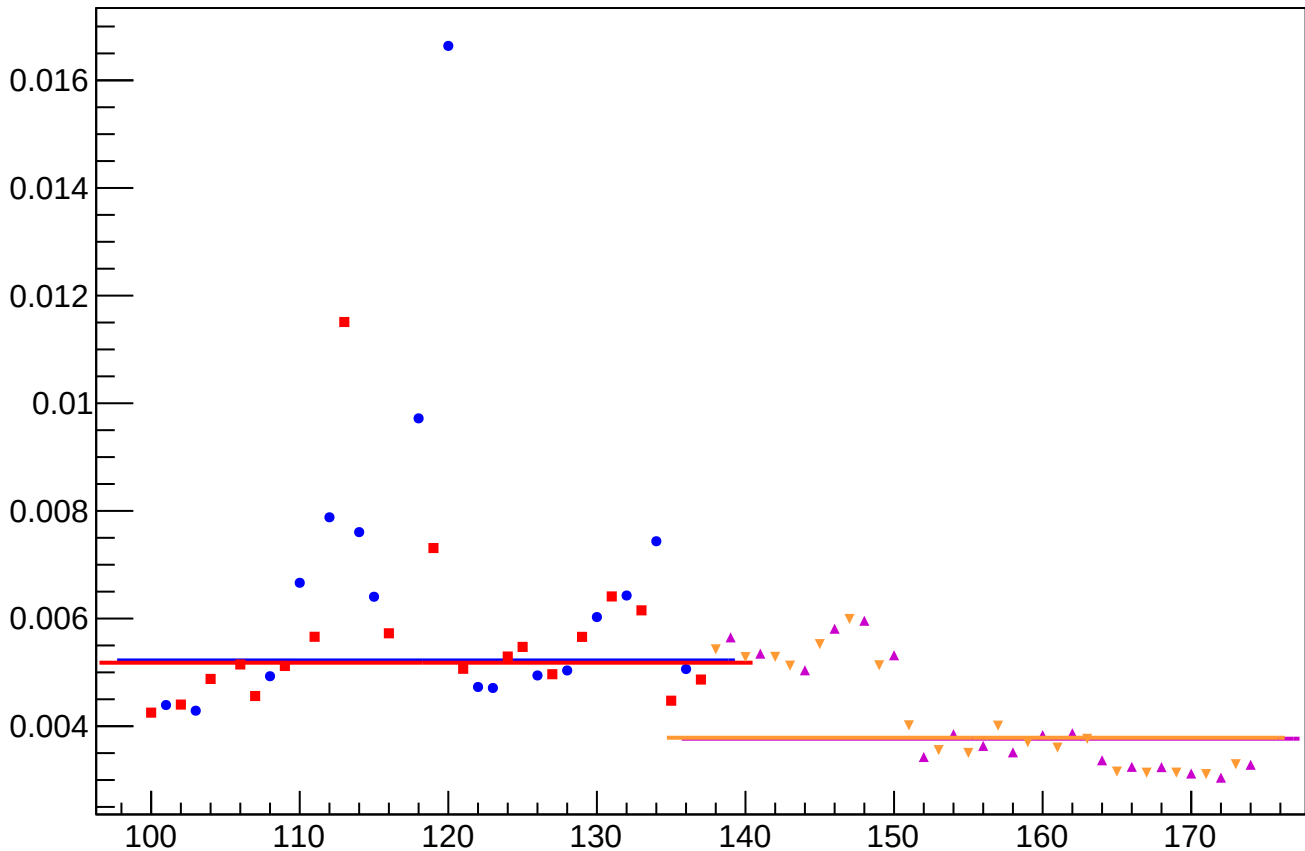
Left In: -0.854+/-0.000 χ^2/NDF : 42962865225.7/17

+ sign -0.864+/-0.000 χ^2/NDF : 53837725509.1/35

All: -0.855+/-0.000 χ^2/NDF : 114120895431.6

- sign -0.846+/-0.000 χ^2/NDF : 60097245669.3/36

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 664386.8/16

Left Out: 0.004+/-0.000 χ^2/NDF : 1122778.3/18

Right Out: 0.005+/-0.000 χ^2/NDF : 363781.3/18

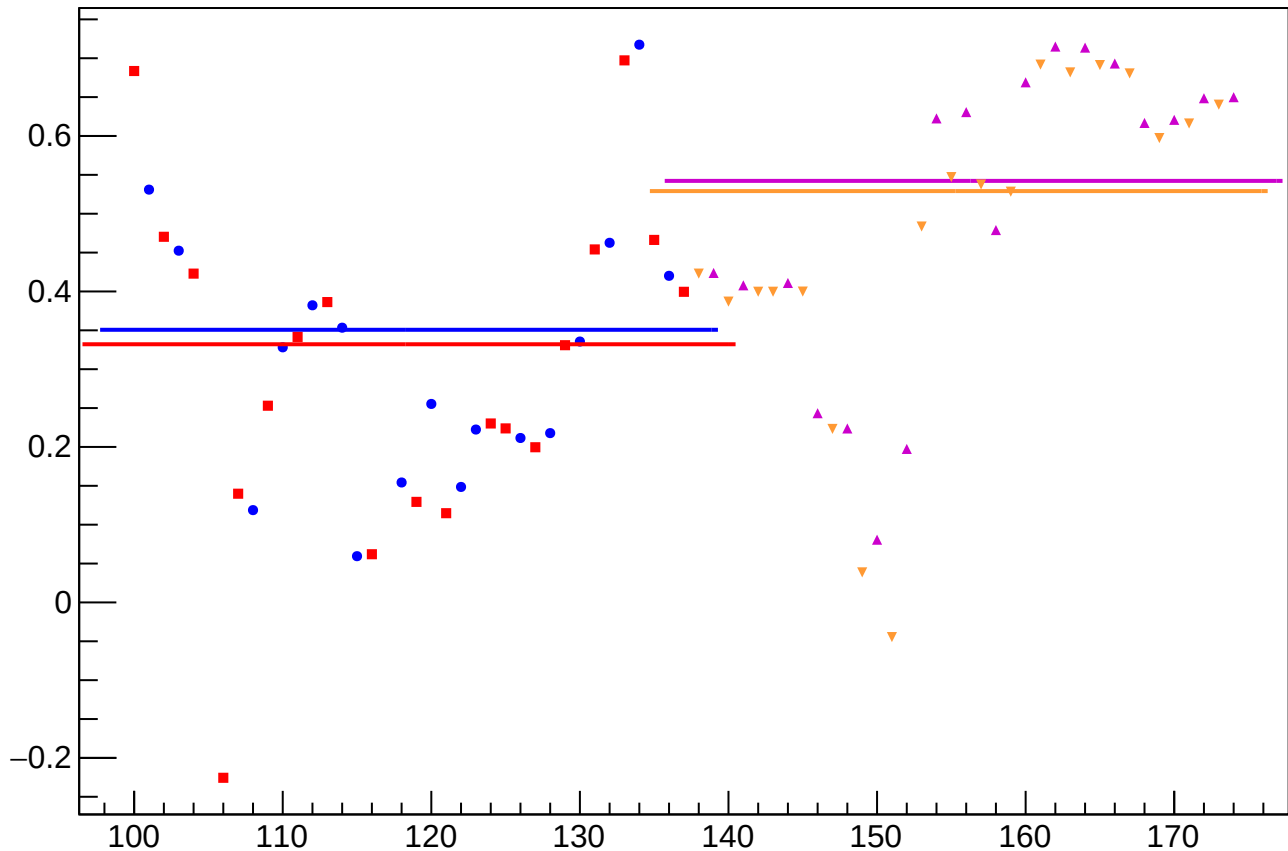
Left In: 0.004+/-0.000 χ^2/NDF : 1183563.4/17

+ sign 0.004+/-0.000 χ^2/NDF : 2447553.5/35

All: 0.004+/-0.000 χ^2/NDF : 4699905.0/72

- sign 0.004+/-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: 0.529+/-0.000 χ^2/NDF : 39670588653.2/18

Right Out: 0.332+/-0.000 χ^2/NDF : 11796213425.9/18

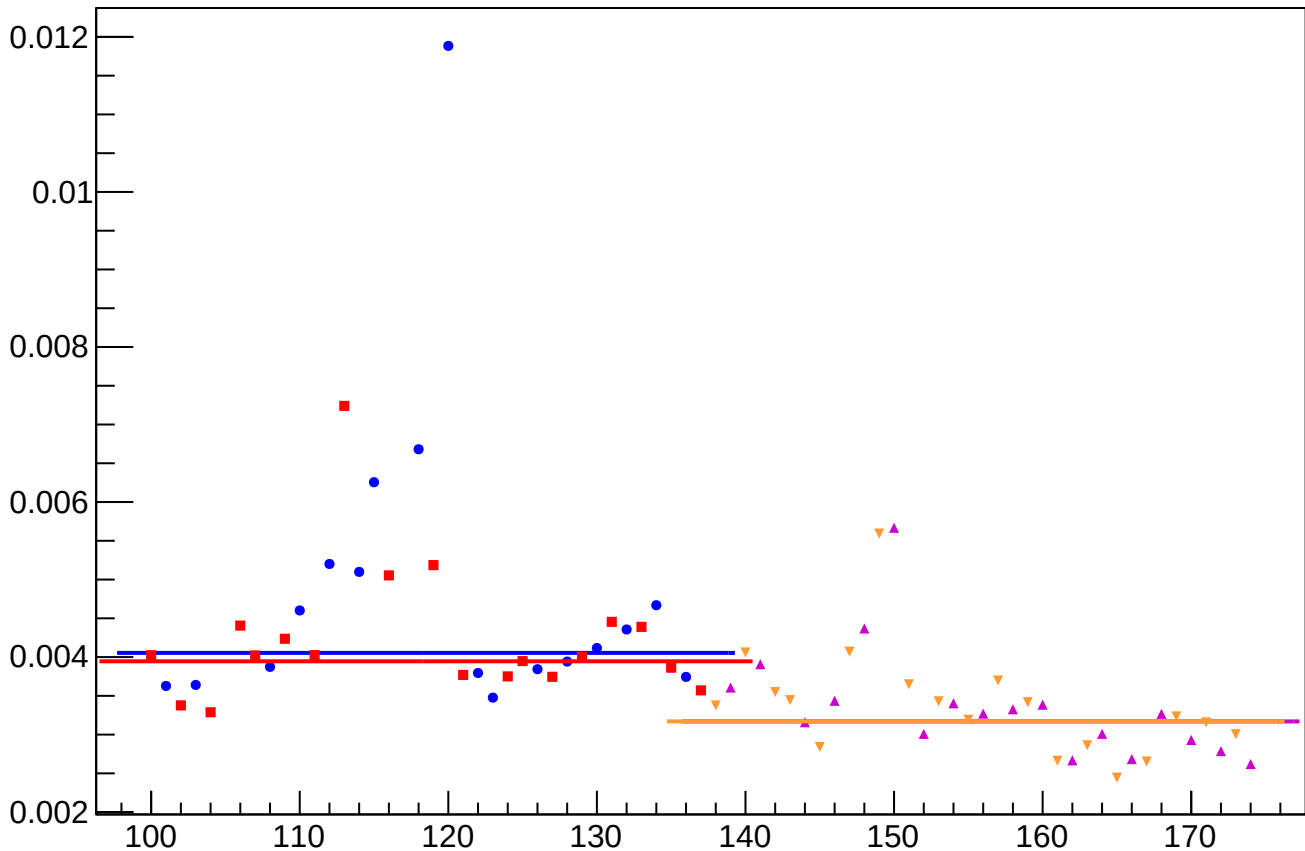
Left In: 0.542+/-0.000 χ^2/NDF : 37851873877.5/17

+ sign 0.490+/-0.000 χ^2/NDF : 55676140720.8/35

All: 0.490+/-0.000 χ^2/NDF : 118454630931.1

- 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: 713254.2/18

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 260968.0/18

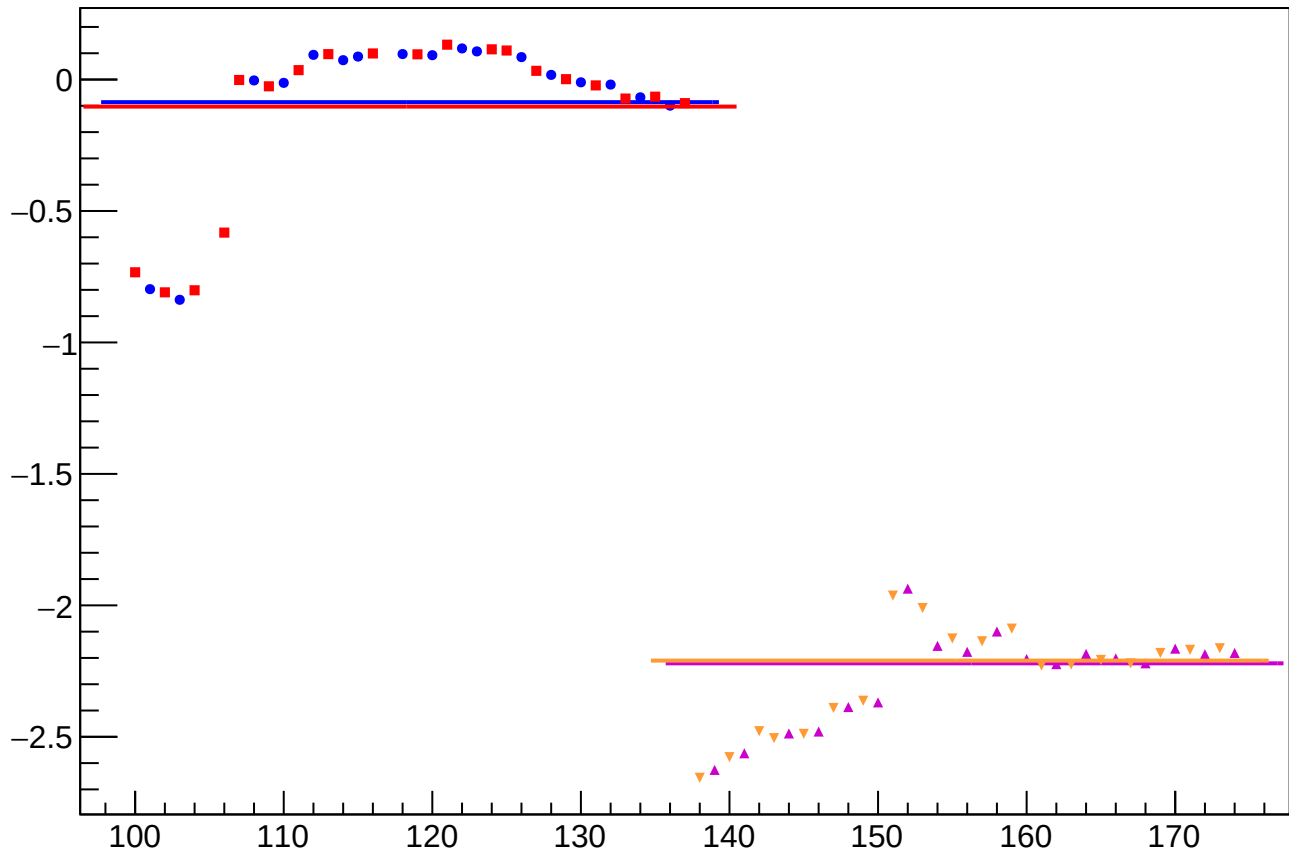
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 683062.8/17

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1590304.2/35

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2892027.1/72

- 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: -2.210 ± 0.000 χ^2/NDF : 3464725484.8/18

Right Out: -0.103 ± 0.000 χ^2/NDF : 5553039516.7/18

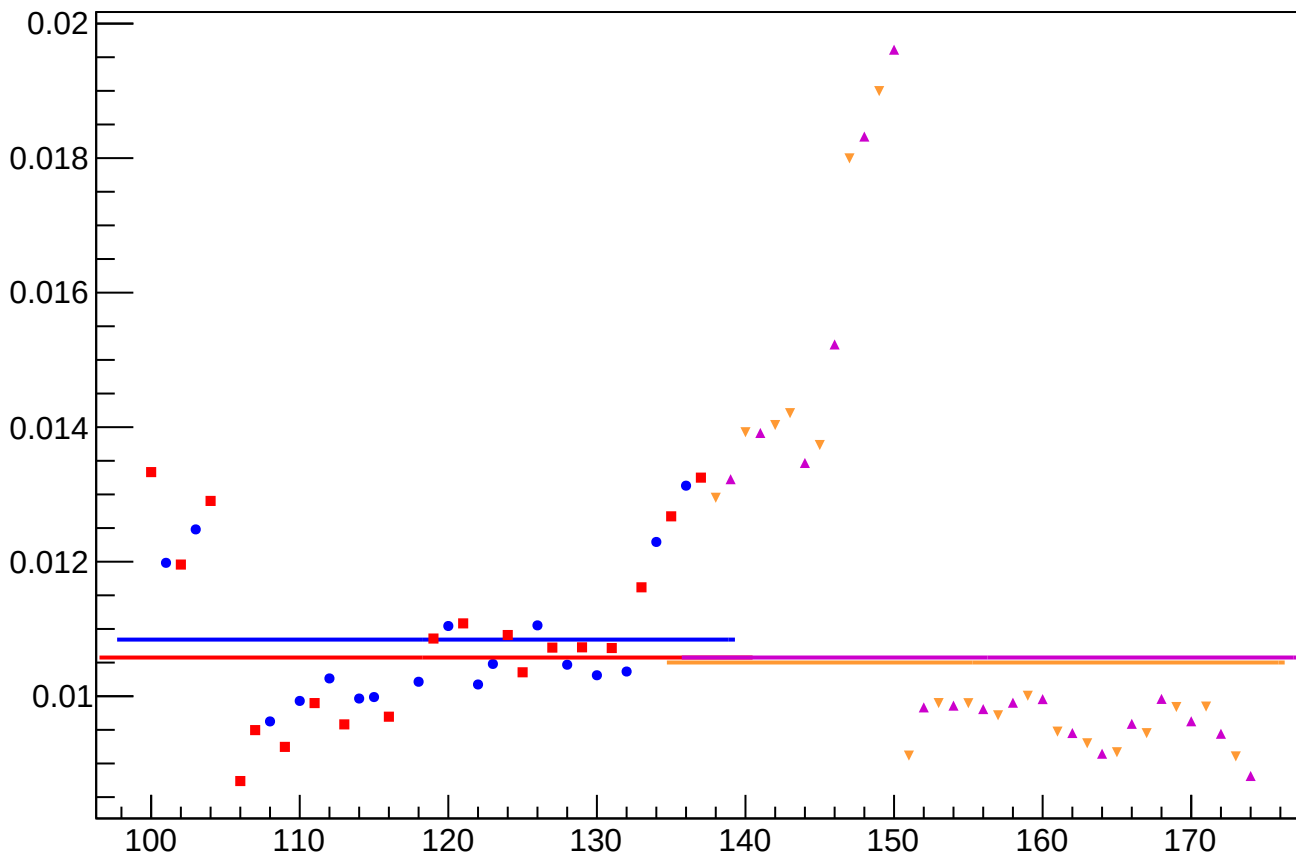
Left In: -2.221 ± 0.000 χ^2/NDF : 2755136969.0/17

+ sign -1.540 ± 0.000 χ^2/NDF : 182860806237.5/35

All: -1.513 ± 0.000 χ^2/NDF : 375138626392.7

- 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: 0.011+/-0.000 χ^2/NDF :1163110.4/18

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

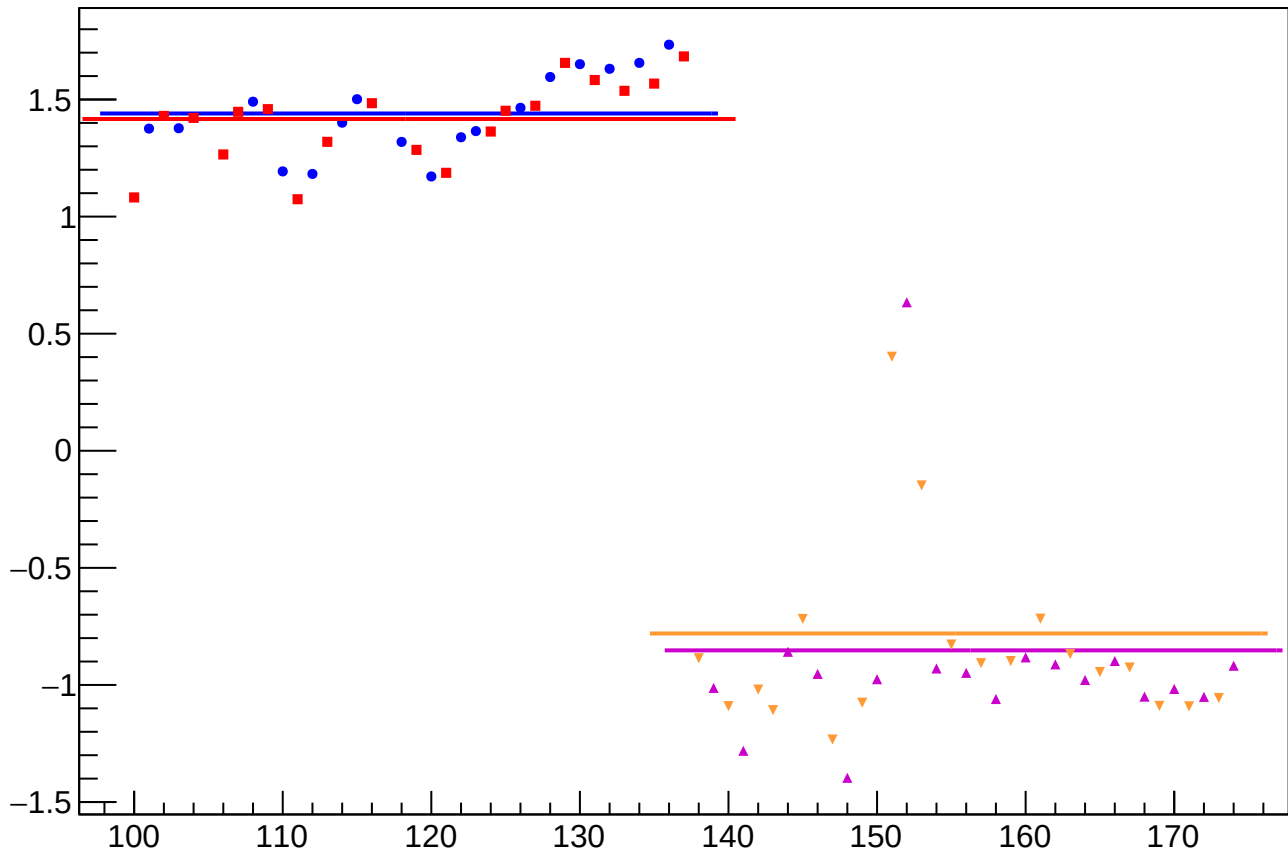
Left In: 0.011+/-0.000 χ^2/NDF :1237363.8/17

+ sign 0.011+/-0.000 χ^2/NDF : 1296339.6/35

All: 0.011+/-0.000 χ^2/NDF : 2712870.5/72

- 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

Left Out: -0.780 $\pm$ 0.000 χ^2 /NDF: 34786633086.5/18

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

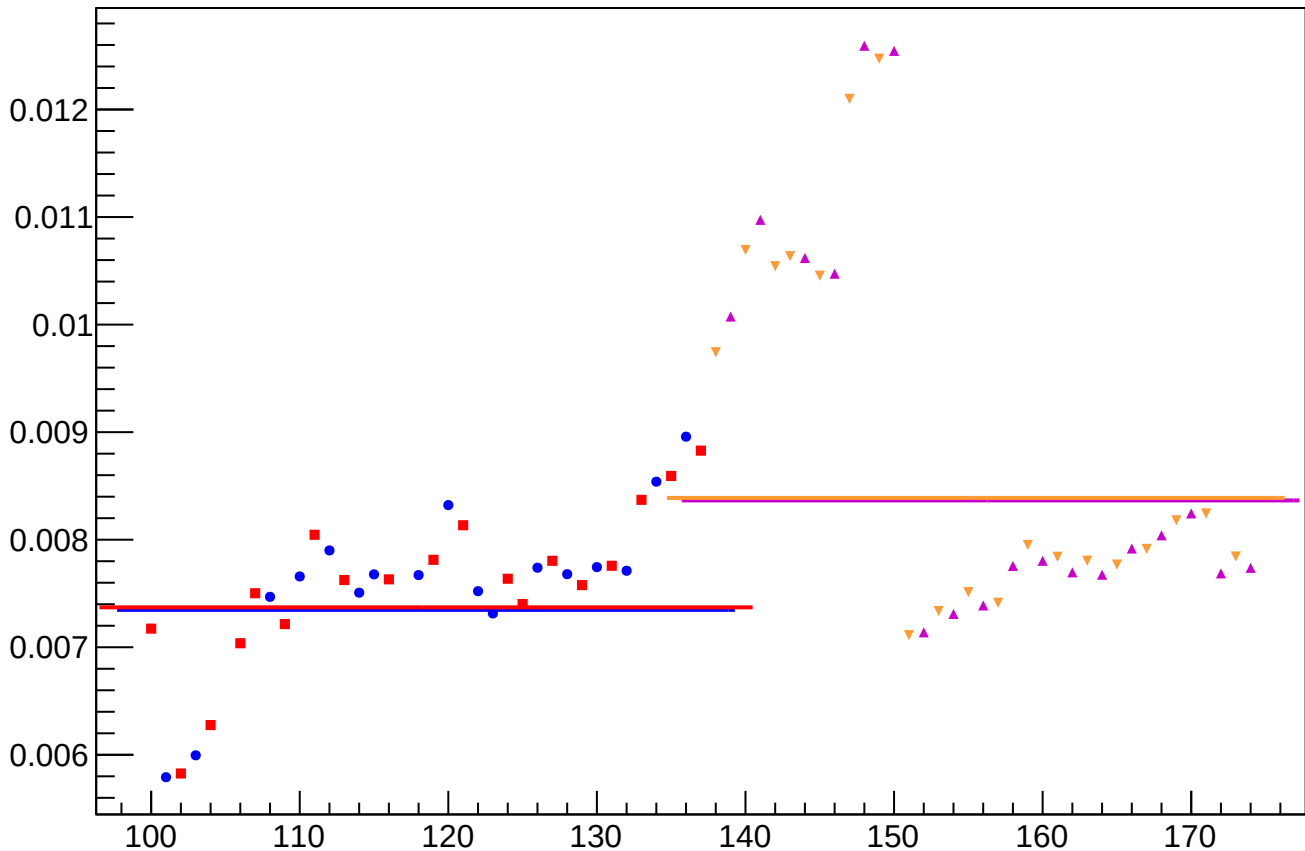
Left In: -0.852 $\pm$ 0.000 χ^2 /NDF: 41319543327.7/17

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 408381687316.4/35

All: 0.067 $\pm$ 0.000 χ^2 /NDF: 849975030223.7

- sign 0.060 $\pm$ 0.000 χ^2 /NDF: 441560199617.0/36

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 : 748943.5/18

Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

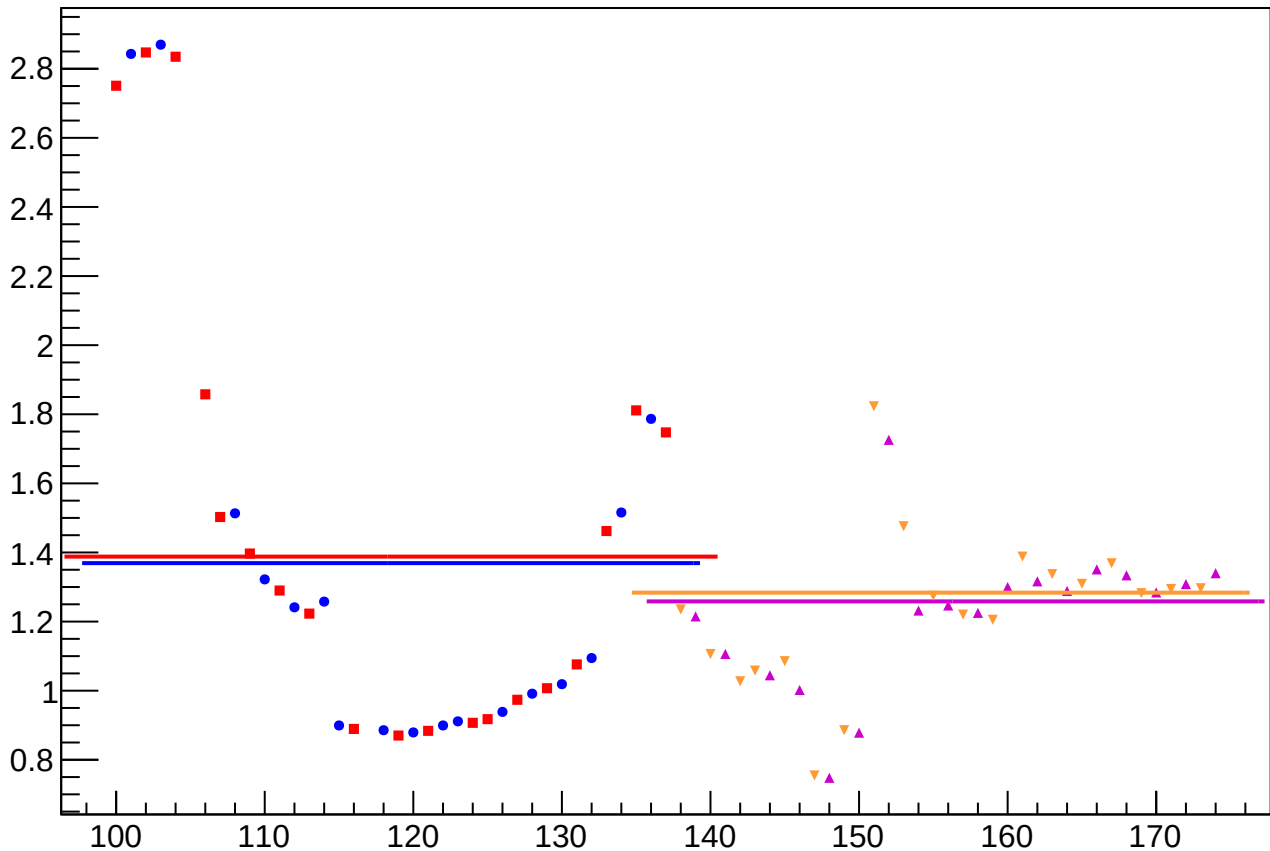
Left In: 0.008+/-0.000 χ^2/NDF : 826562.6/17

+ sign 0.008+/-0.000 χ^2/NDF : 1139696.8/35

All: 0.008+/-0.000 χ^2/NDF : 2291686.2/72

- 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: 1.284+/-0.000 χ^2/NDF : 9118724653.7/18

Right Out: 1.388+/-0.000 χ^2/NDF : 49900245868.0/18

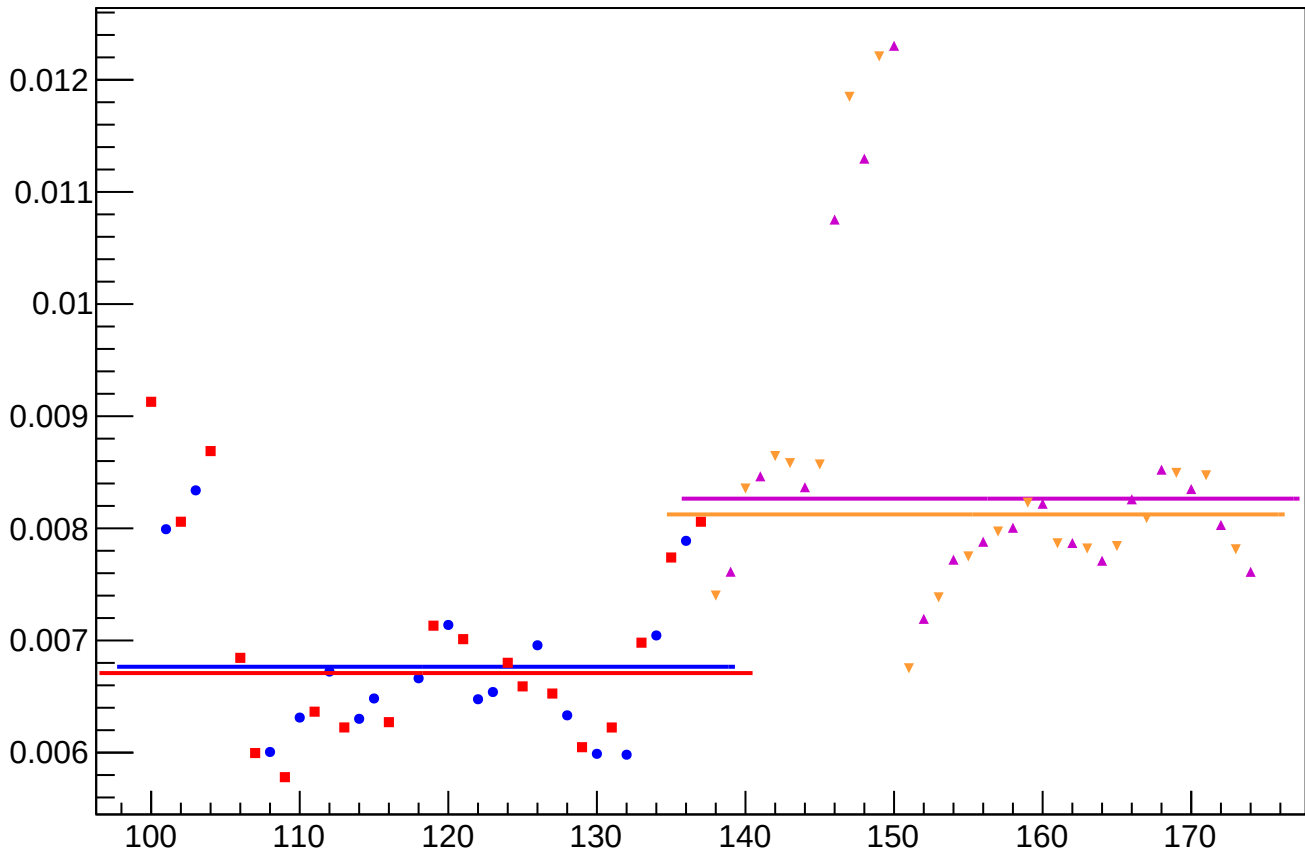
Left In: 1.258+/-0.000 χ^2/NDF : 7373998157.3/17

+ sign 1.319+/-0.000 χ^2/NDF : 63943116537.7/35

All: 1.317+/-0.000 χ^2/NDF : 122675241699.4

- 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 : 419264.2/18

Right Out: 0.007+/-0.000 χ^2/NDF : 187826.7/18

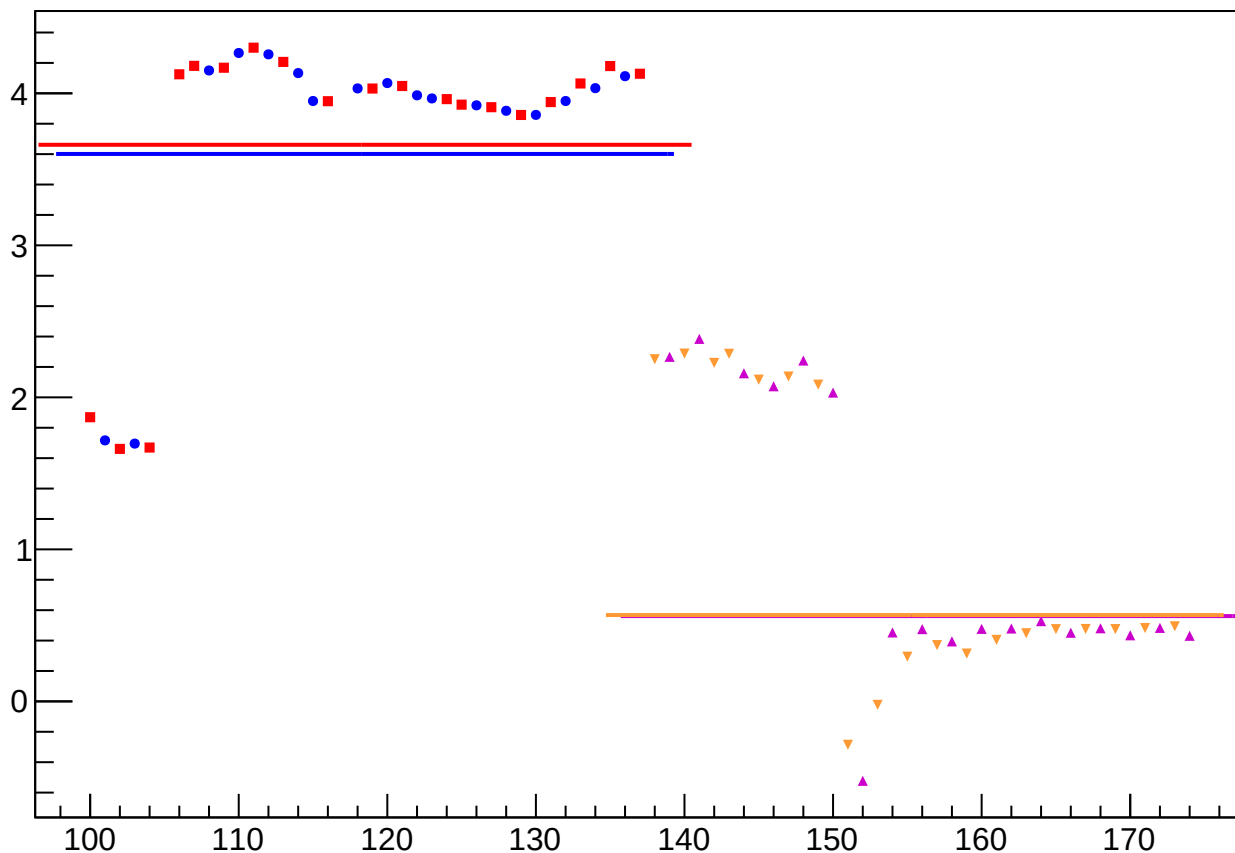
Left In: 0.008+/-0.000 χ^2/NDF : 442244.8/17

+ sign 0.008+/-0.000 χ^2/NDF : 891865.1/35

All: 0.008+/-0.000 χ^2/NDF : 1941371.5/72

- 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: 0.568 $\pm$ 0.000 χ^2 /NDF: 258203493401.5/18

Right Out: 3.661 $\pm$ 0.000 χ^2 /NDF: 192519897222.5/18

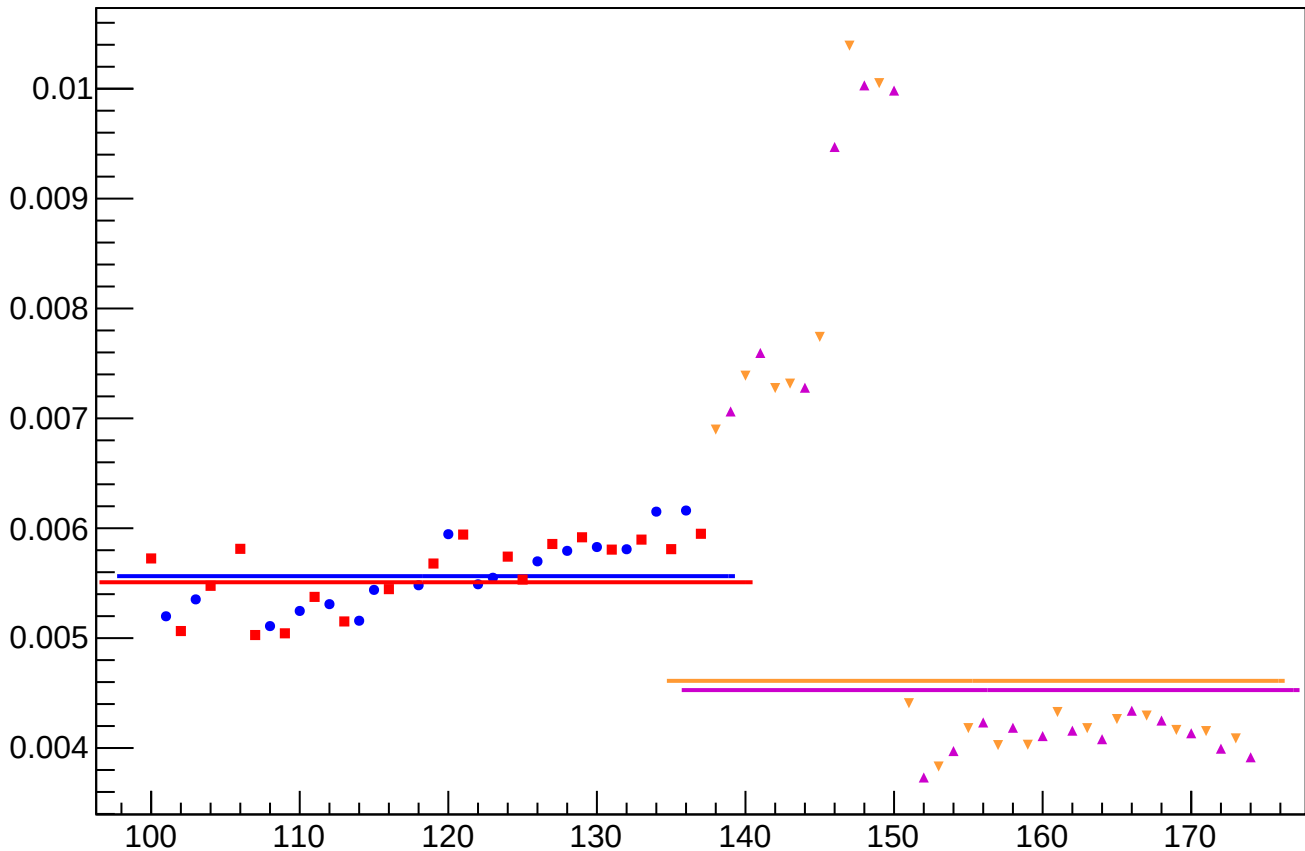
Left In: 0.561 $\pm$ 0.000 χ^2 /NDF: 255798824303.1/17

+ sign 1.379 $\pm$ 0.000 χ^2 /NDF: 1899600714820.0/35

All: 1.398 $\pm$ 0.000 χ^2 /NDF: 3944293474177.

- sign 1.416 $\pm$ 0.000 χ^2 /NDF: 2044116628906.4/36

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 47588.2/16

Left Out: 0.005+/-0.000 χ^2/NDF :1993961.4/18

Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

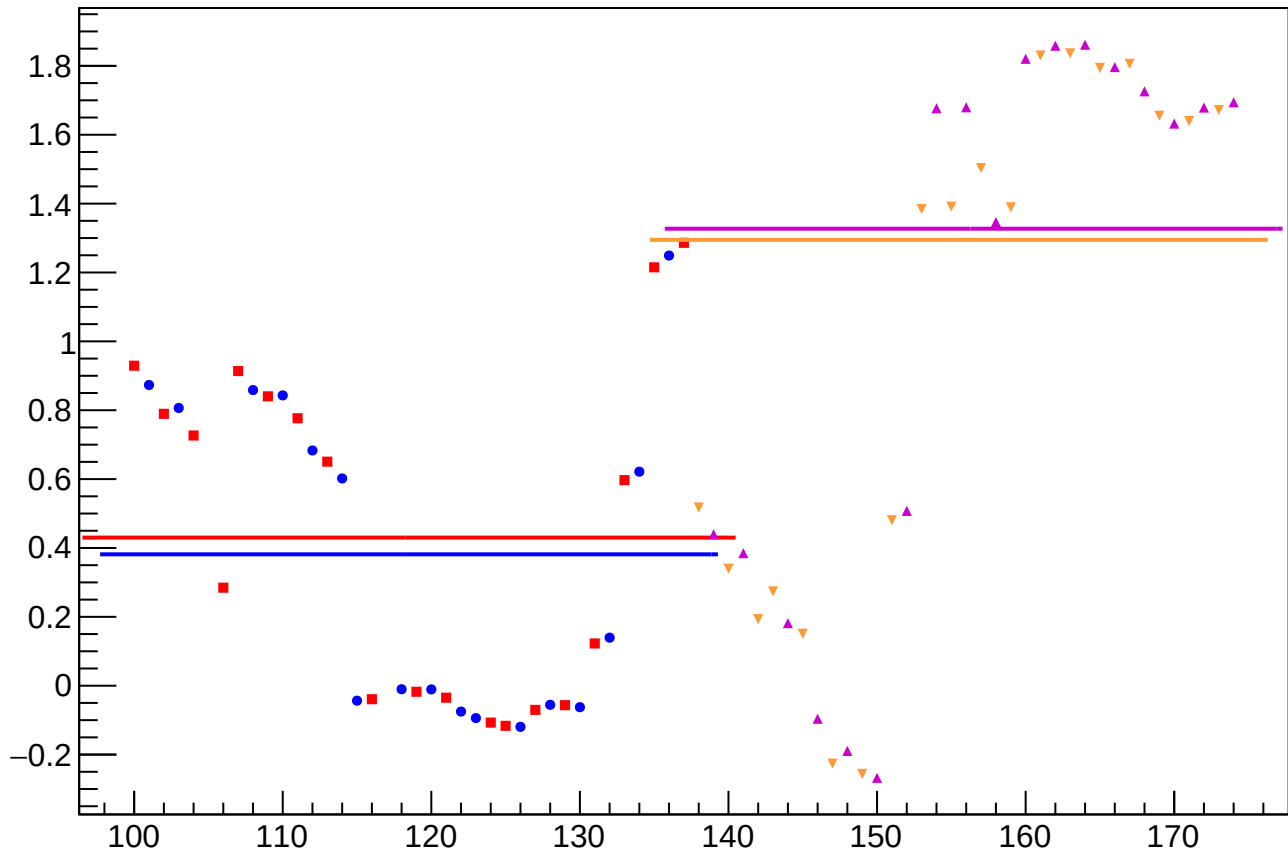
Left In: 0.005+/-0.000 χ^2/NDF :2216613.4/17

+ sign 0.005+/-0.000 χ^2/NDF : 2328827.0/35

All: 0.005+/-0.000 χ^2/NDF : 4921659.3/72

- sign 0.005+/-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: 1.295 $\pm$ 0.000 χ^2 /NDF: 41640707239.4/18

Right Out: 0.430 $\pm$ 0.000 χ^2 /NDF: 6676199135.9/18

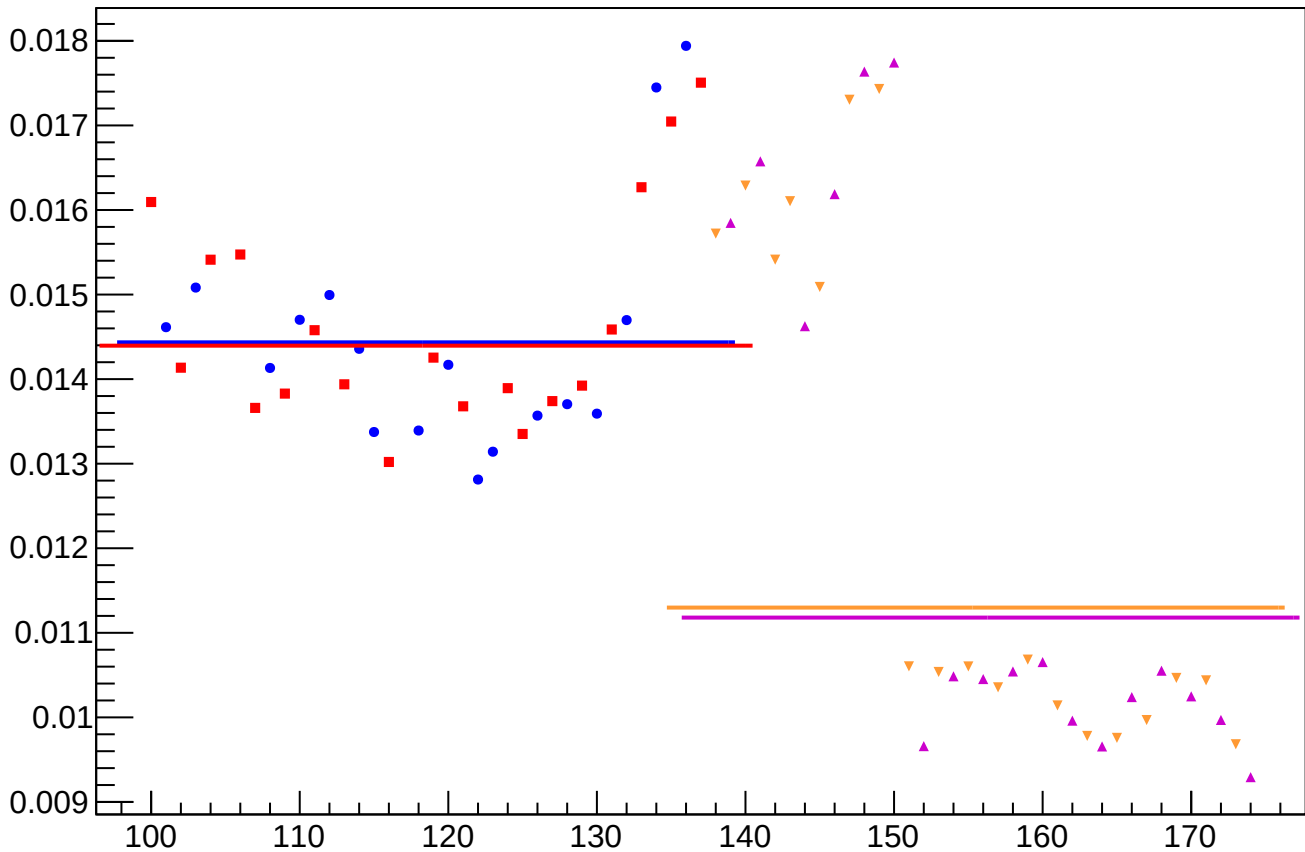
Left In: 1.327 $\pm$ 0.000 χ^2 /NDF: 47309525567.4/17

+ sign 1.083 $\pm$ 0.000 χ^2 /NDF: 69128044684.2/35

All: 1.097 $\pm$ 0.000 χ^2 /NDF: 143627309376.5

- sign 1.111 $\pm$ 0.000 χ^2 /NDF: 74445890021.5/36

yield_bpm1i06X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 110224.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:1130132.3/18

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 74531.6/18

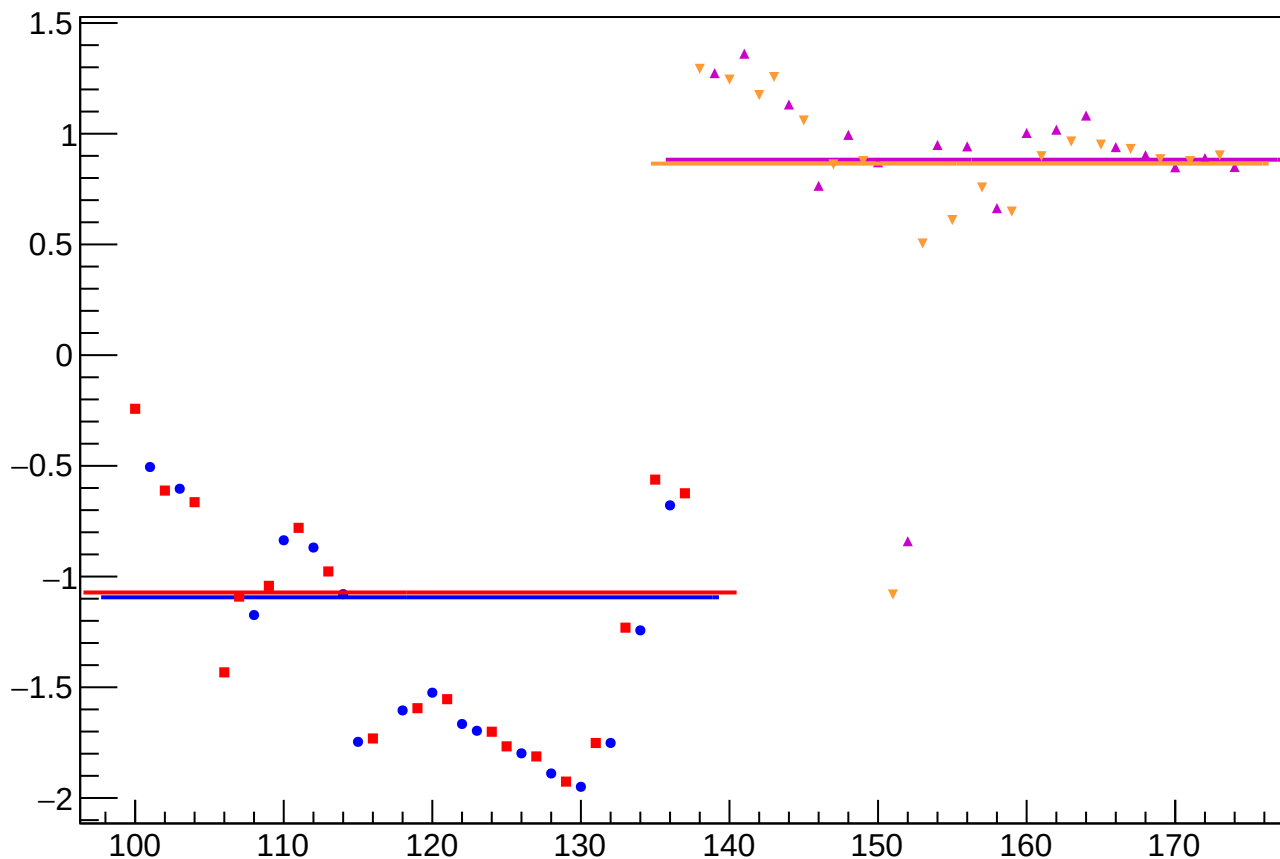
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:1213543.2/17

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1720741.4/35

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3535320.9/72

- sign 0.012 $\pm$ 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: 0.865+/-0.000 χ^2/NDF : 124893749836.0/18

Right Out: -1.072+/-0.000 χ^2/NDF : 46896017480.0/18

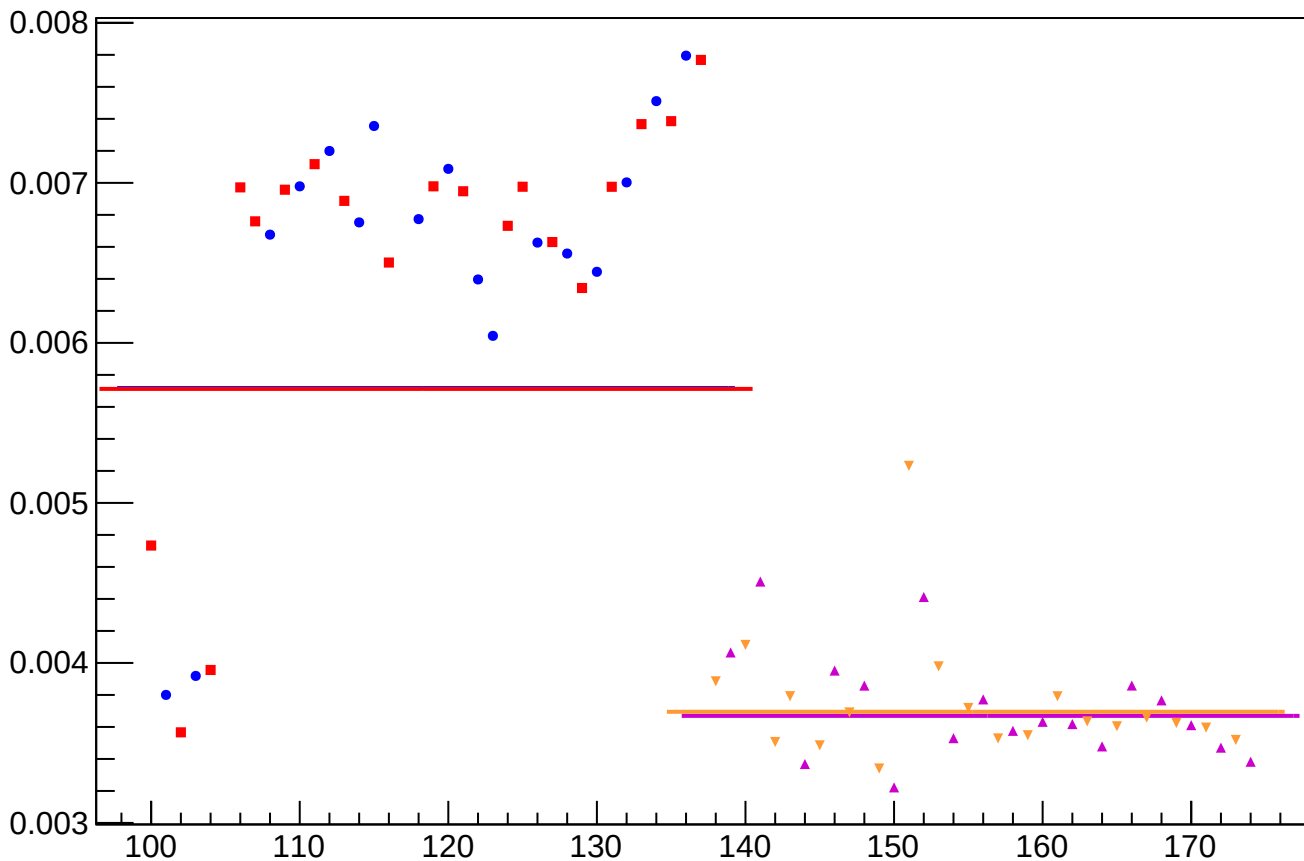
Left In: 0.883+/-0.000 χ^2/NDF : 145874560282.2/17

+ sign 0.547+/-0.000 χ^2/NDF : 764696852633.3/35

All: 0.551+/-0.000 χ^2/NDF : 1557563228327.

- sign 0.554+/-0.000 χ^2/NDF : 792842835723.6/36

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 837775.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:167436.2/18

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 923899.1/18

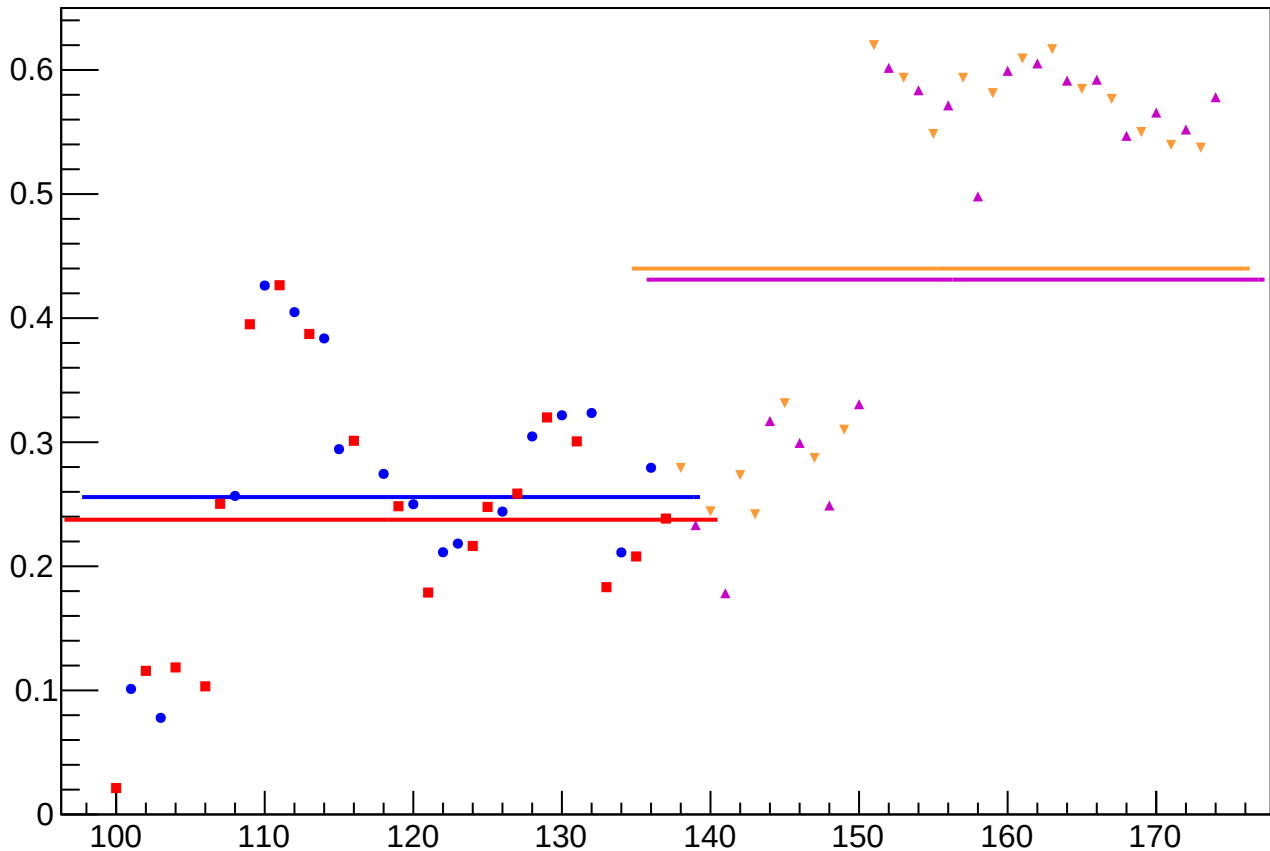
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:188340.9/17

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2250548.7/35

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4674487.8/72

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2423830.7/36

yield_bpm2i01X_mean vs Slug



Right In: 0.256 $\pm$ 0.000 χ^2 /NDF: 21365489849.4/16

Left Out: 0.440 $\pm$ 0.000 χ^2 /NDF: 86310455225.9/18

Right Out: 0.238 $\pm$ 0.000 χ^2 /NDF: 26057284646.9/18

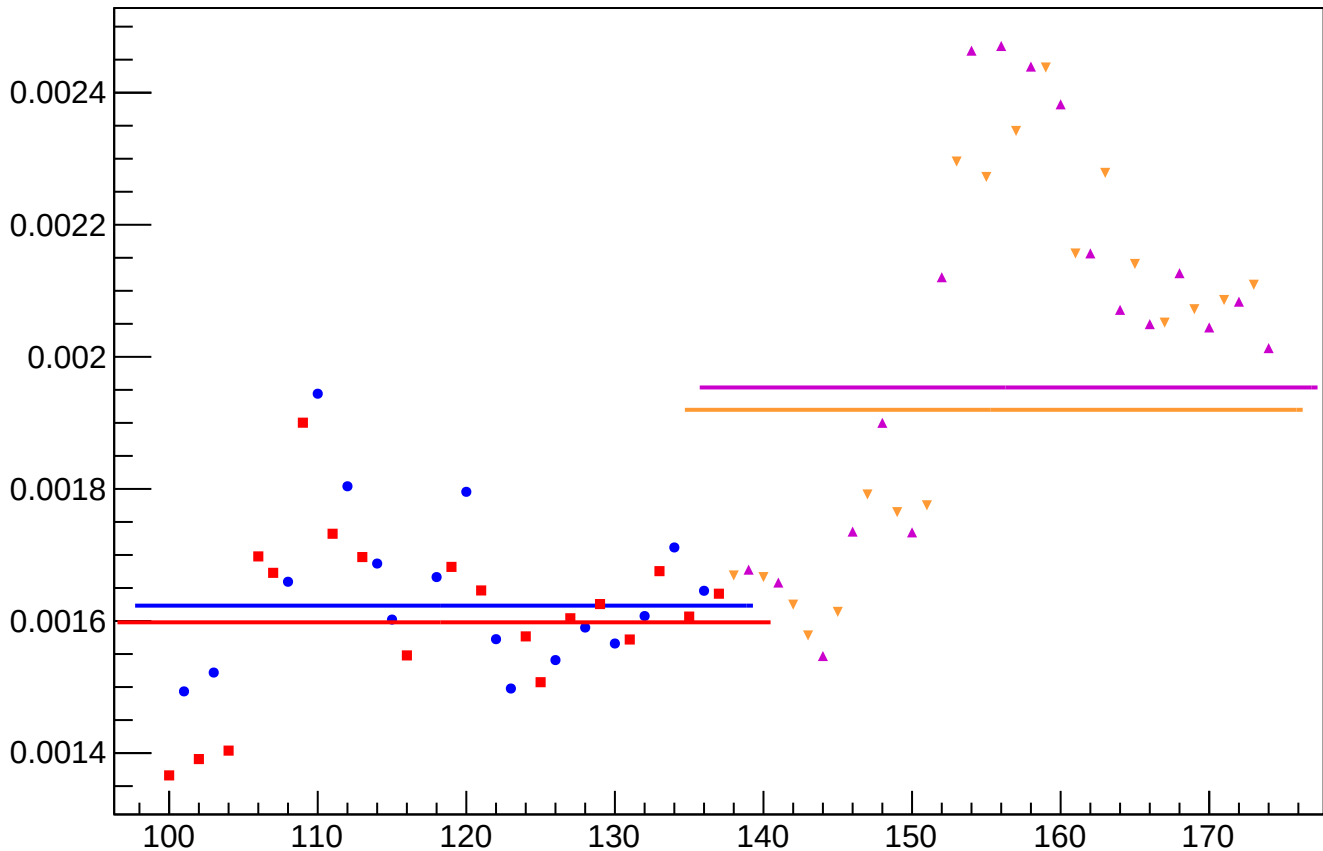
Left In: 0.431 $\pm$ 0.000 χ^2 /NDF: 87172959879.3/17

+ sign 0.367 $\pm$ 0.000 χ^2 /NDF: 157806333345.6/35

All: 0.357 $\pm$ 0.000 χ^2 /NDF: 329765788800.8

- sign 0.346 $\pm$ 0.000 χ^2 /NDF: 170642072694.1/36

yield_bpm2i01X_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 52468.7/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:553093.5/18

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 90678.4/18

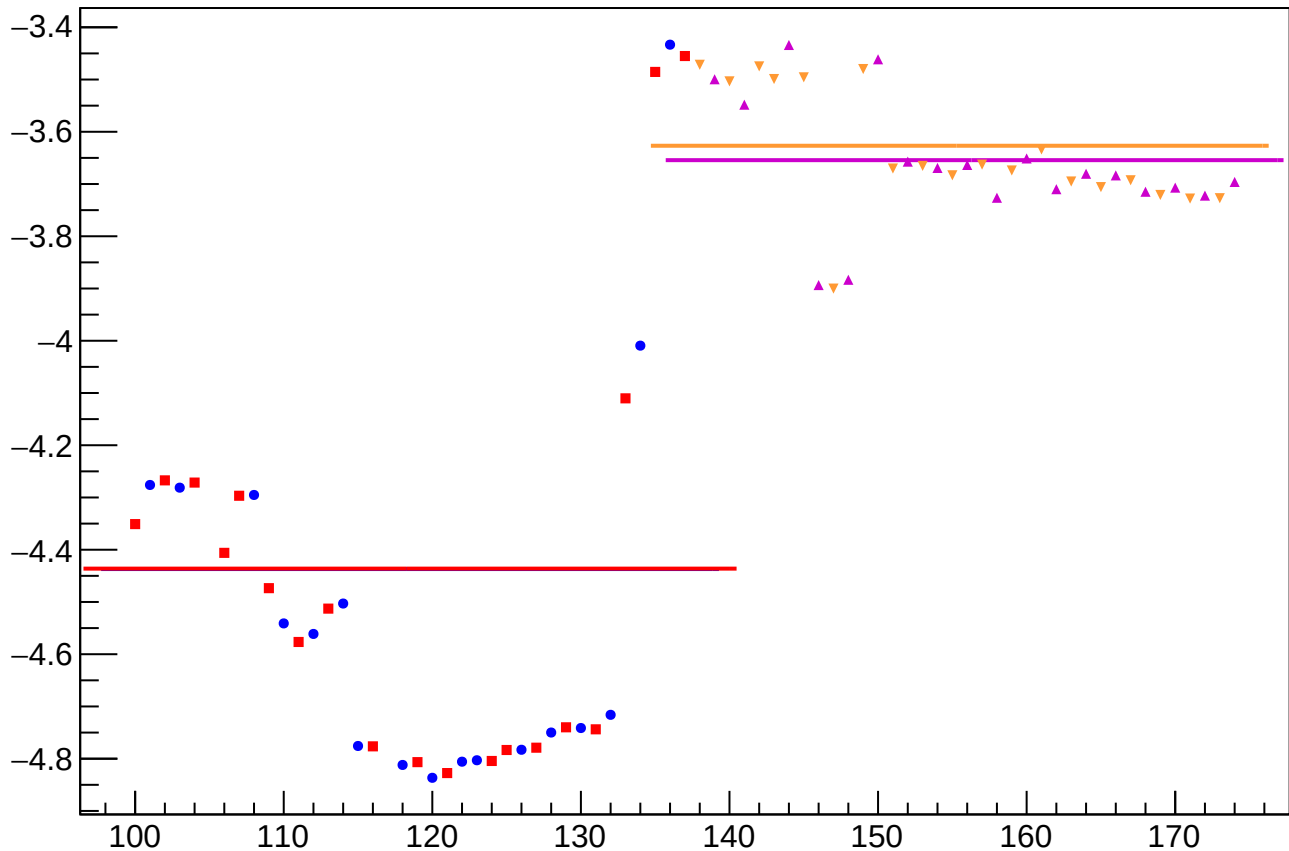
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:564774.7/17

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 865517.7/35

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 1908978.0/72

- sign 0.002 $\pm$ 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: -3.627+/-0.000 χ^2/NDF : 40107027977.0/18

Right Out: -4.436+/-0.000 χ^2/NDF : 325183860699.4/18

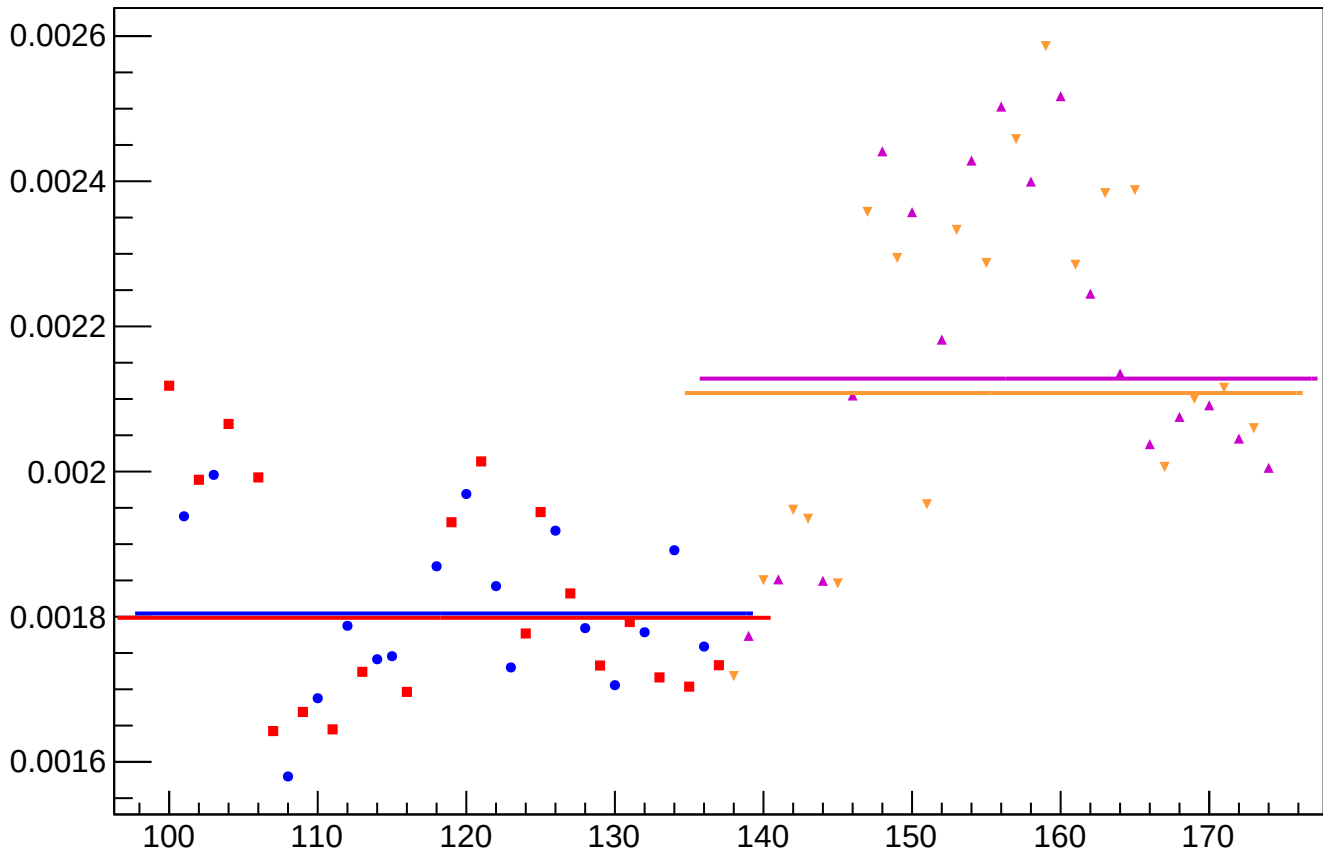
Left In: -3.654+/-0.000 χ^2/NDF : 46013869503.9/17

+ sign -3.945+/-0.000 χ^2/NDF : 1229029748232.7/3

All: -3.962+/-0.000 χ^2/NDF : 2362051561171

- 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 :343602.1/18

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

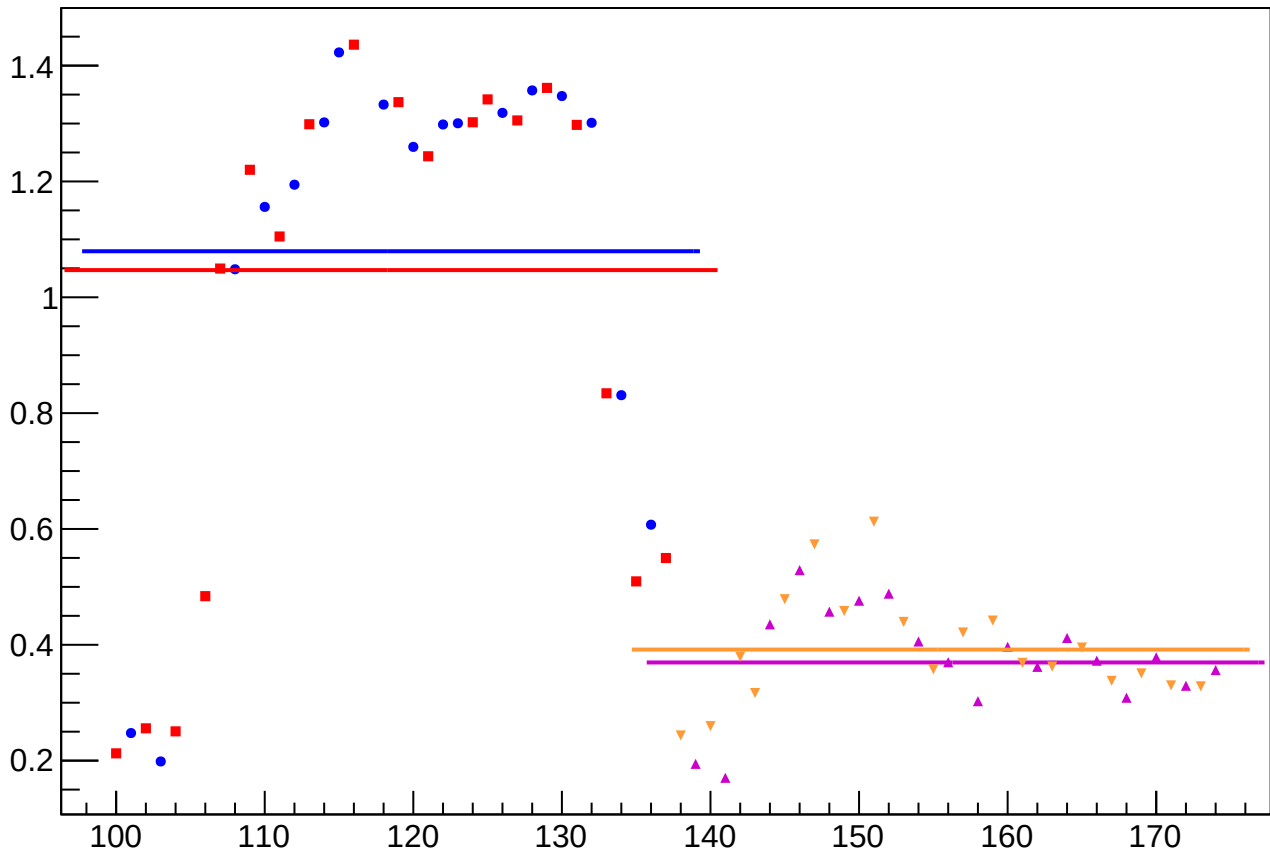
Left In: 0.002+/-0.000 χ^2/NDF :305111.0/17

+ sign 0.002+/-0.000 χ^2/NDF : 616594.2/35

All: 0.002+/-0.000 χ^2/NDF : 1272415.1/72

- 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: 0.392 $\pm$ 0.000 χ^2 /NDF: 1374760453.1/18

Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

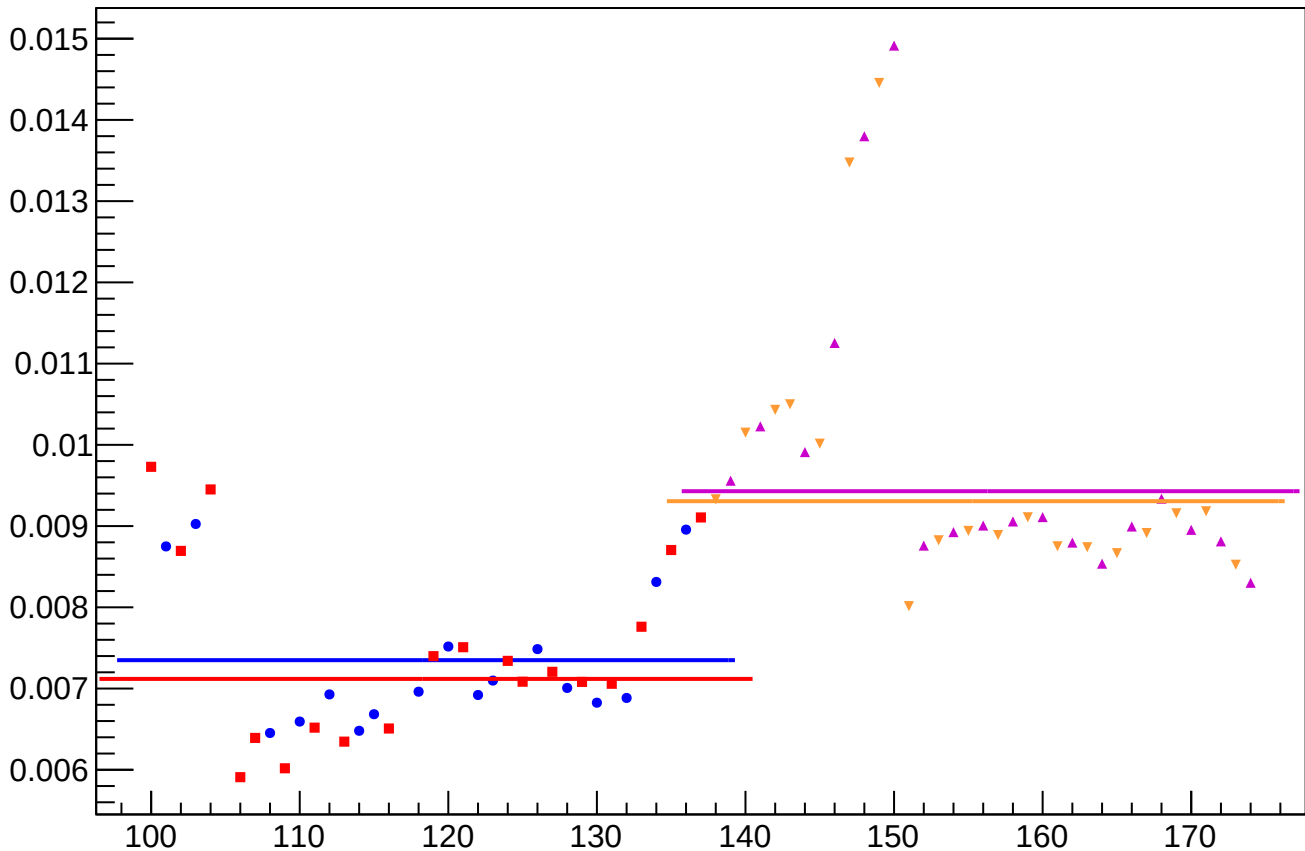
Left In: 0.370 $\pm$ 0.000 χ^2 /NDF: 1106335655.7/17

+ sign 0.690 $\pm$ 0.000 χ^2 /NDF: 51712850288.2/35

All: 0.690 $\pm$ 0.000 χ^2 /NDF: 105725382992.5

- 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 : 485005.1/18

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

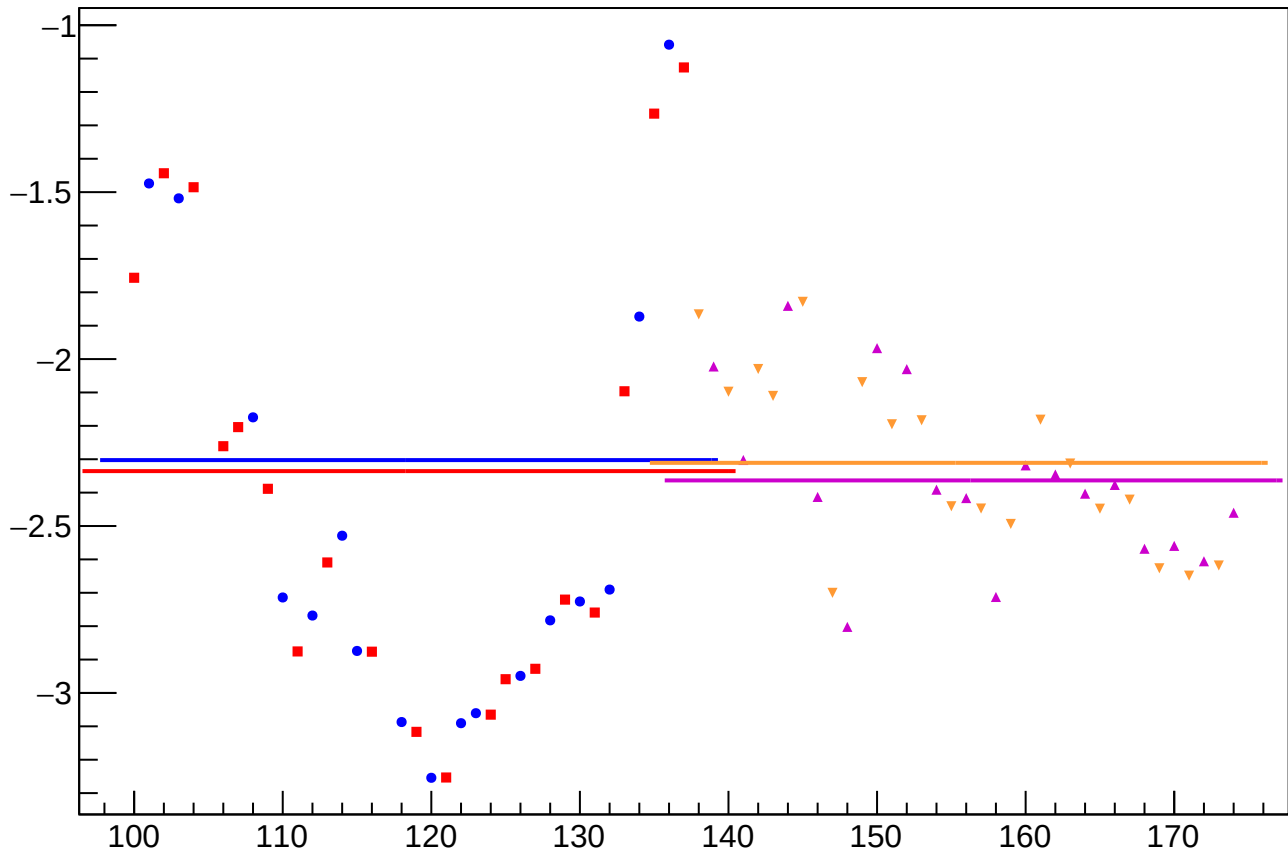
Left In: 0.009+/-0.000 χ^2/NDF : 535283.5/17

+ sign 0.008+/-0.000 χ^2/NDF : 1197026.2/35

All: 0.008+/-0.000 χ^2/NDF : 2768902.2/72

- 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: -2.311+/-0.000 χ^2/NDF : 11627202295.6/18

Right Out: -2.336+/-0.000 χ^2/NDF : 64499162456.4/18

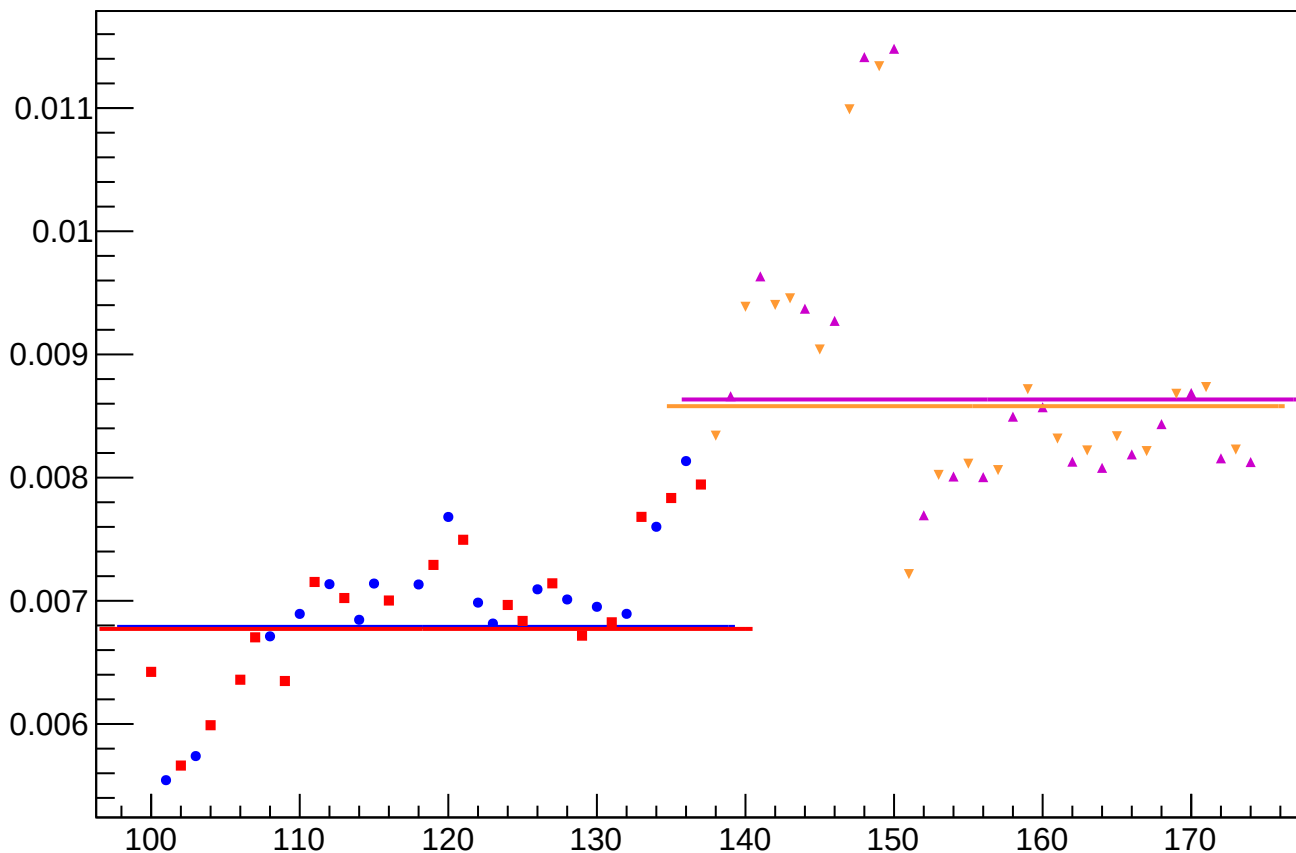
Left In: -2.363+/-0.000 χ^2/NDF : 10633586135.6/17

+ sign -2.307+/-0.000 χ^2/NDF : 85388619246.1/35

All: -2.329+/-0.000 χ^2/NDF : 160904582416.9

- sign -2.351+/-0.000 χ^2/NDF : 75197814660.5/36

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 293087.8/18

Right Out: 0.007+/-0.000 χ^2/NDF : 123244.0/18

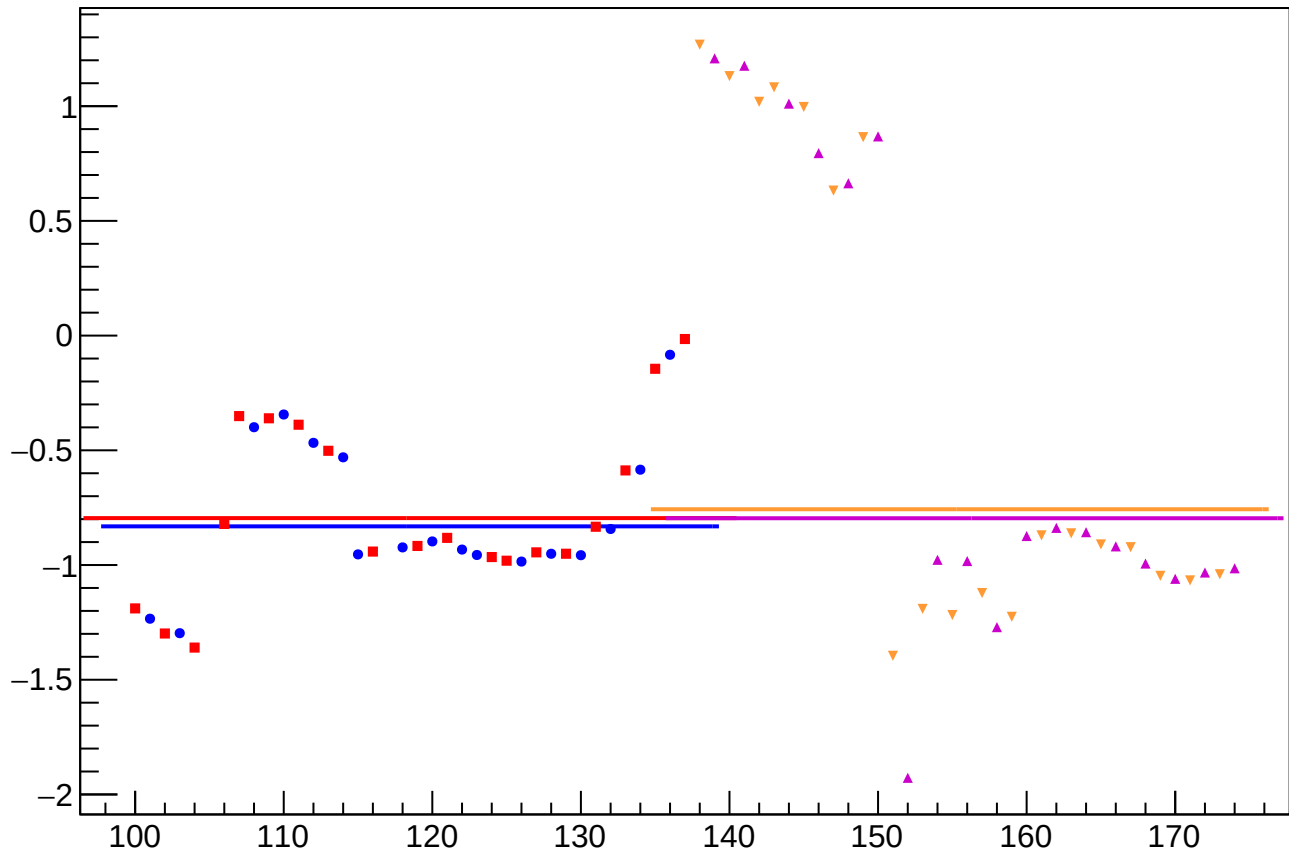
Left In: 0.009+/-0.000 χ^2/NDF : 309031.4/17

+ sign 0.008+/-0.000 χ^2/NDF : 984536.9/35

All: 0.008+/-0.000 χ^2/NDF : 1998634.5/72

- sign 0.008+/-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: -0.757 ± 0.000 χ^2/NDF : 117231638392.8/18

Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

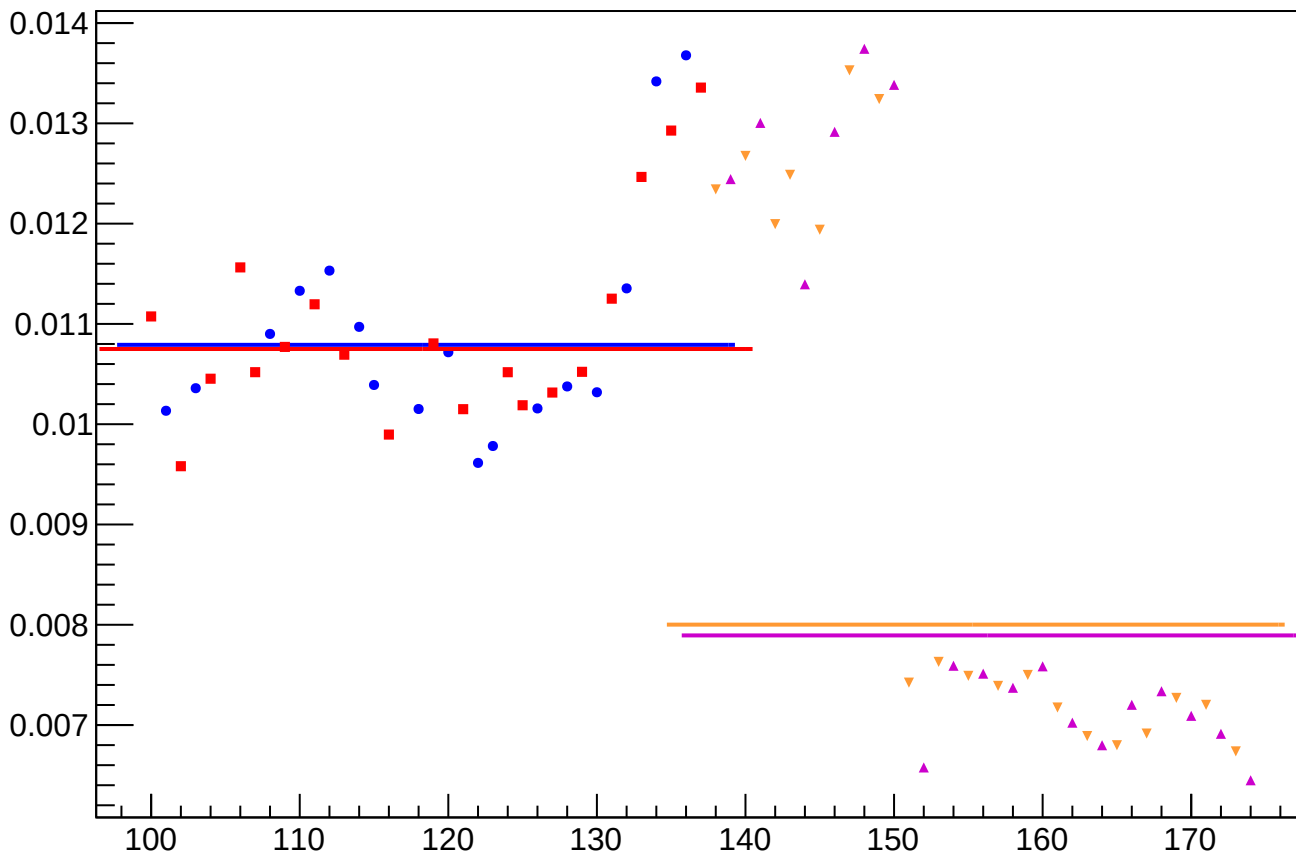
Left In: -0.796 ± 0.000 χ^2/NDF : 123358425559.3/17

+ sign -0.773 ± 0.000 χ^2/NDF : 124169851867.2/35

All: -0.785 ± 0.000 χ^2/NDF : 255419536649.4

- sign -0.796 ± 0.000 χ^2/NDF : 131180186794.0/36

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.008+/-0.000 χ^2/NDF :1572802.0/18

Right Out: 0.011+/-0.000 χ^2/NDF : 90220.8/18

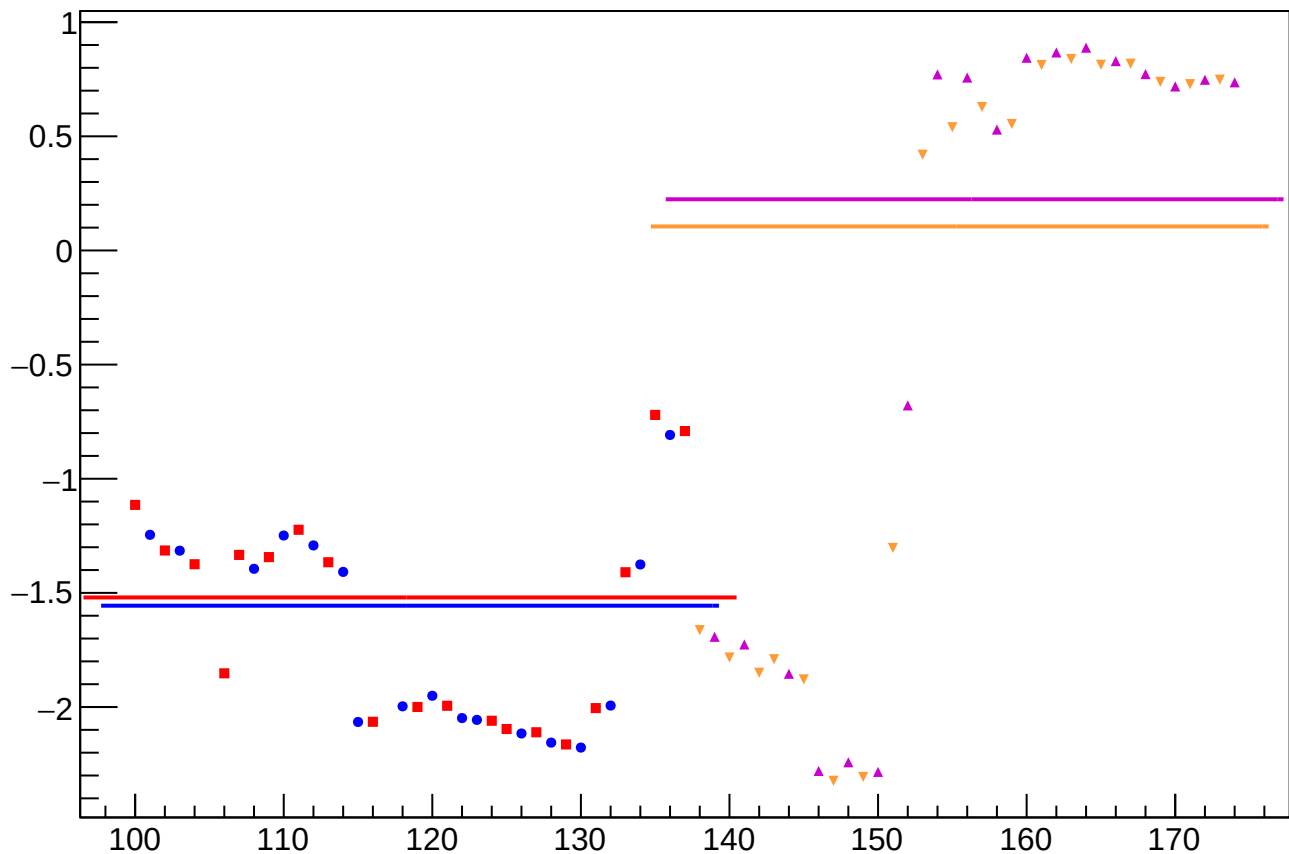
Left In: 0.008+/-0.000 χ^2/NDF :1672965.7/17

+ sign 0.009+/-0.000 χ^2/NDF : 2387287.8/35

All: 0.009+/-0.000 χ^2/NDF : 4906454.9/72

- sign 0.009+/-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: 0.105+/-0.000 χ^2/NDF : 2305964016286.9/18

Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

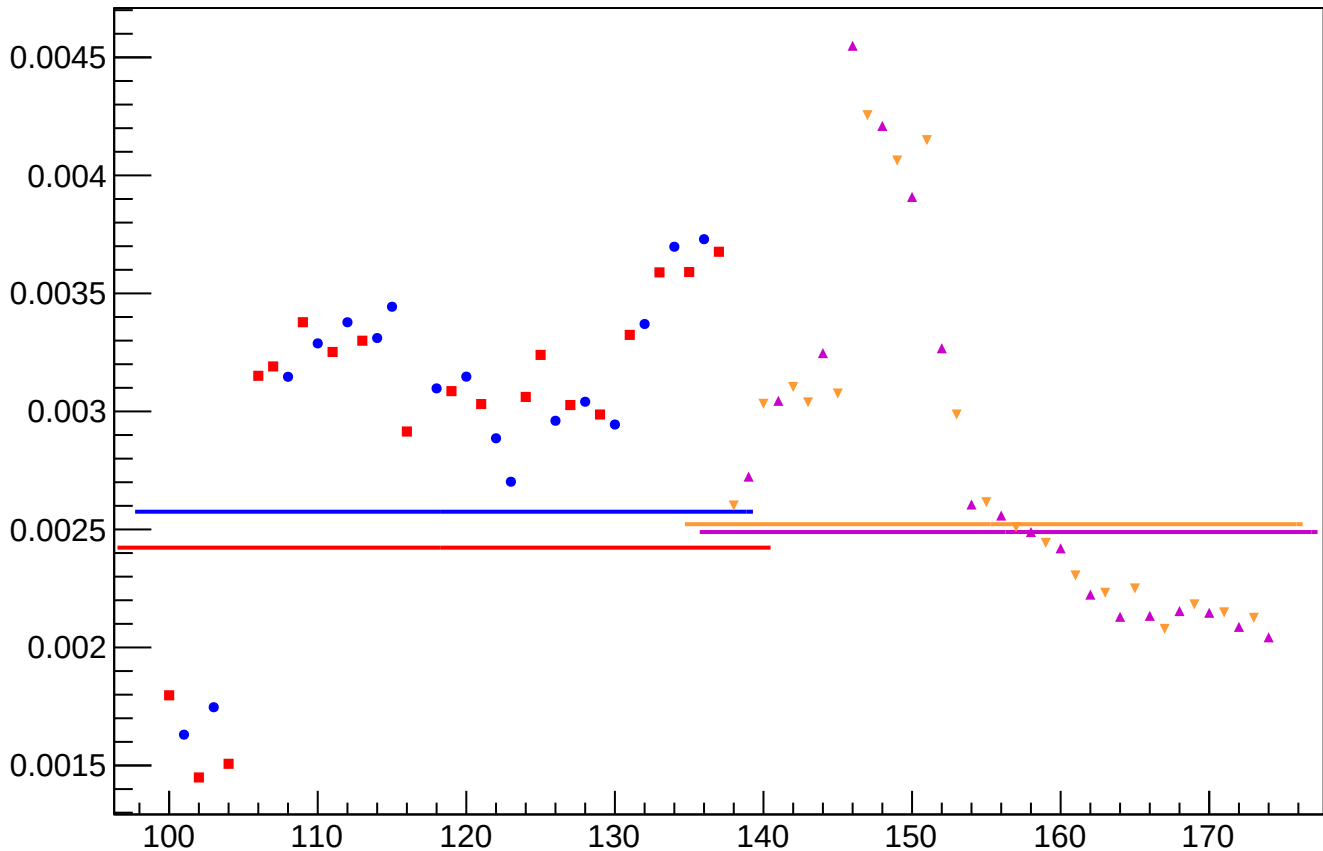
Left In: 0.224+/-0.000 χ^2/NDF : 2140462165395.8/17

+ sign -0.404+/-0.000 χ^2/NDF : 4094798178870.9/3

All: -0.380+/-0.000 χ^2/NDF : 8335603074589

- 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: 0.003+/-0.000 χ^2/NDF :988729.7/18

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

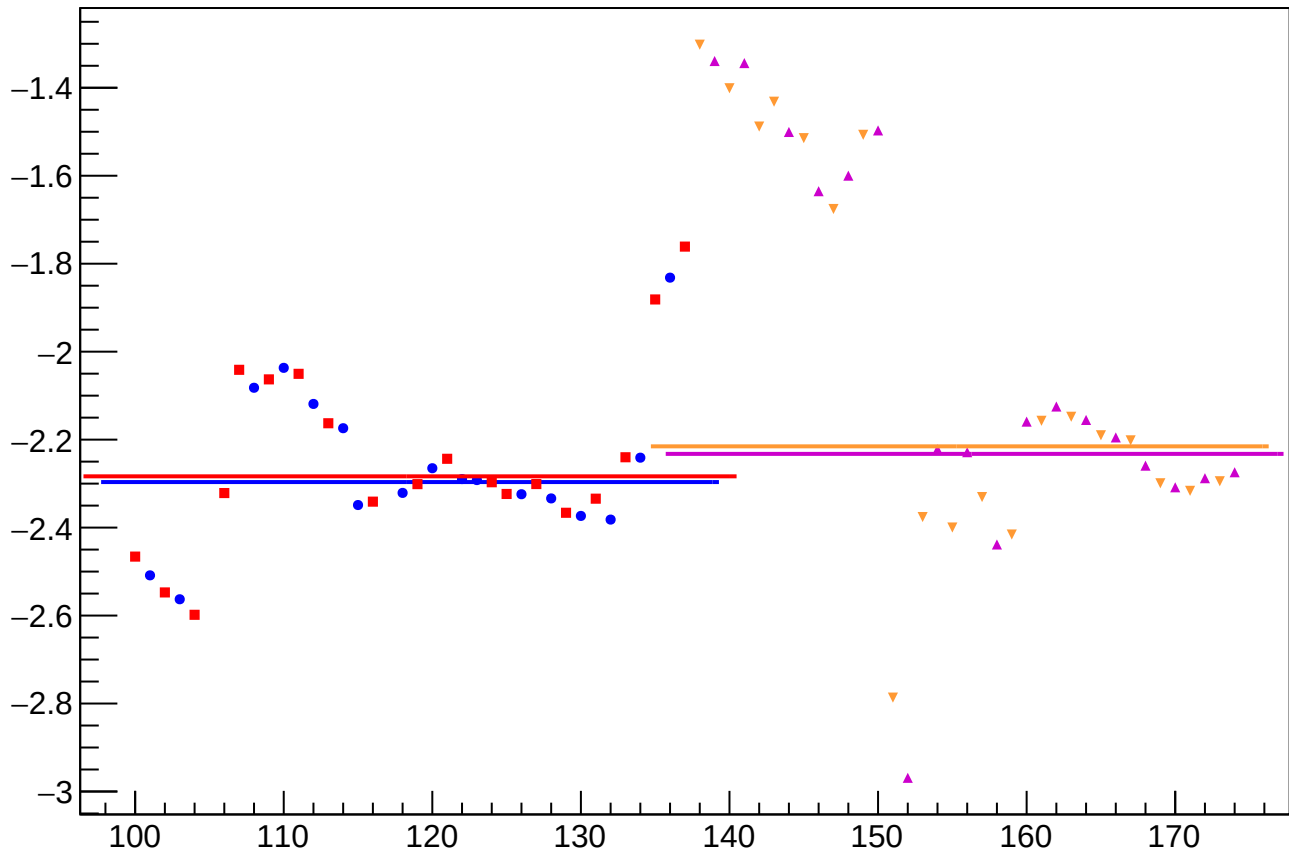
Left In: 0.002+/-0.000 χ^2/NDF :1113445.2/17

+ sign 0.003+/-0.000 χ^2/NDF : 2005874.7/35

All: 0.003+/-0.000 χ^2/NDF : 4629605.6/72

- 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: -2.215 ± 0.000 χ^2/NDF : 52340249189.0/18

Right Out: -2.283 ± 0.000 χ^2/NDF : 6548716896.9/18

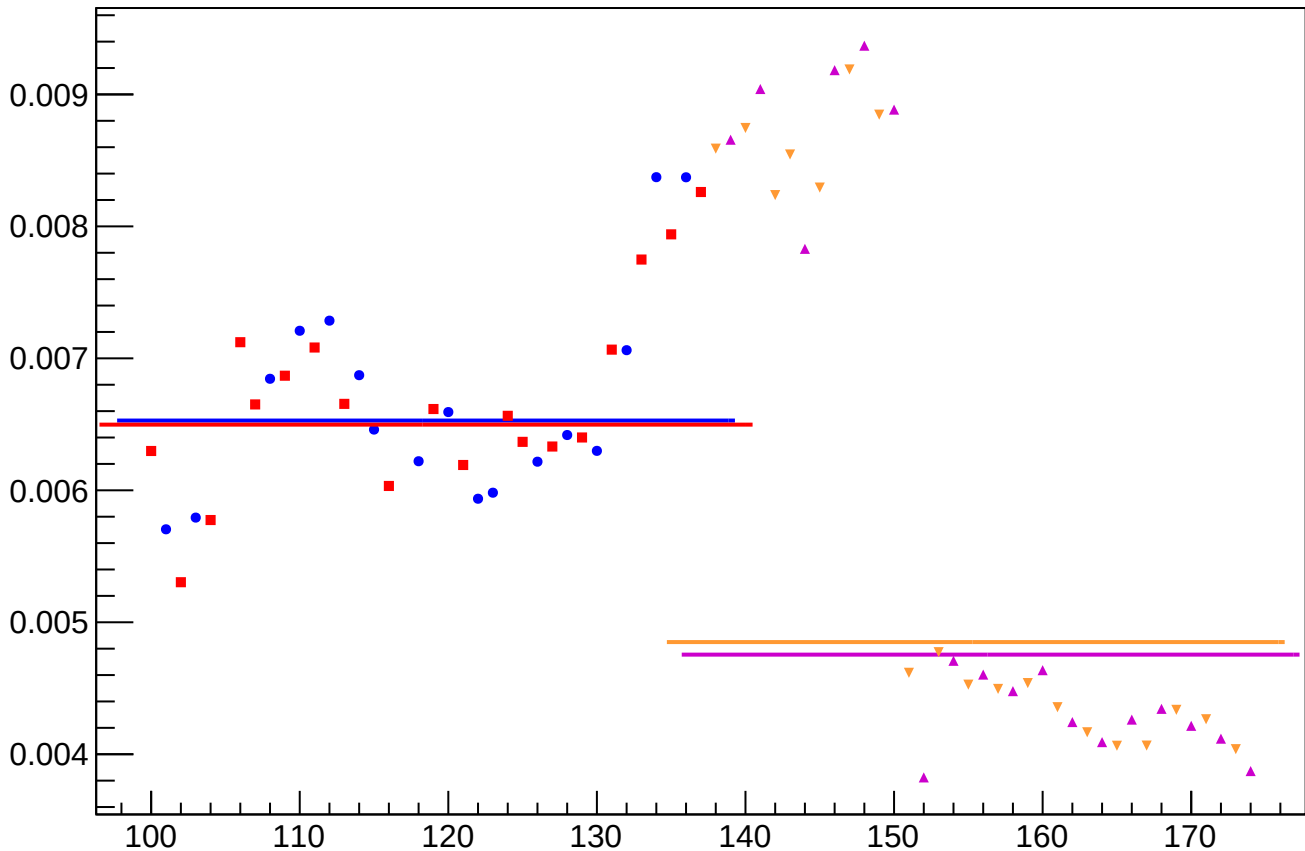
Left In: -2.232 ± 0.000 χ^2/NDF : 66943025270.1/17

+ sign -2.233 ± 0.000 χ^2/NDF : 58902903769.1/35

All: -2.239 ± 0.000 χ^2/NDF : 132758986583.3

- 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 :2145296.1/18

Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

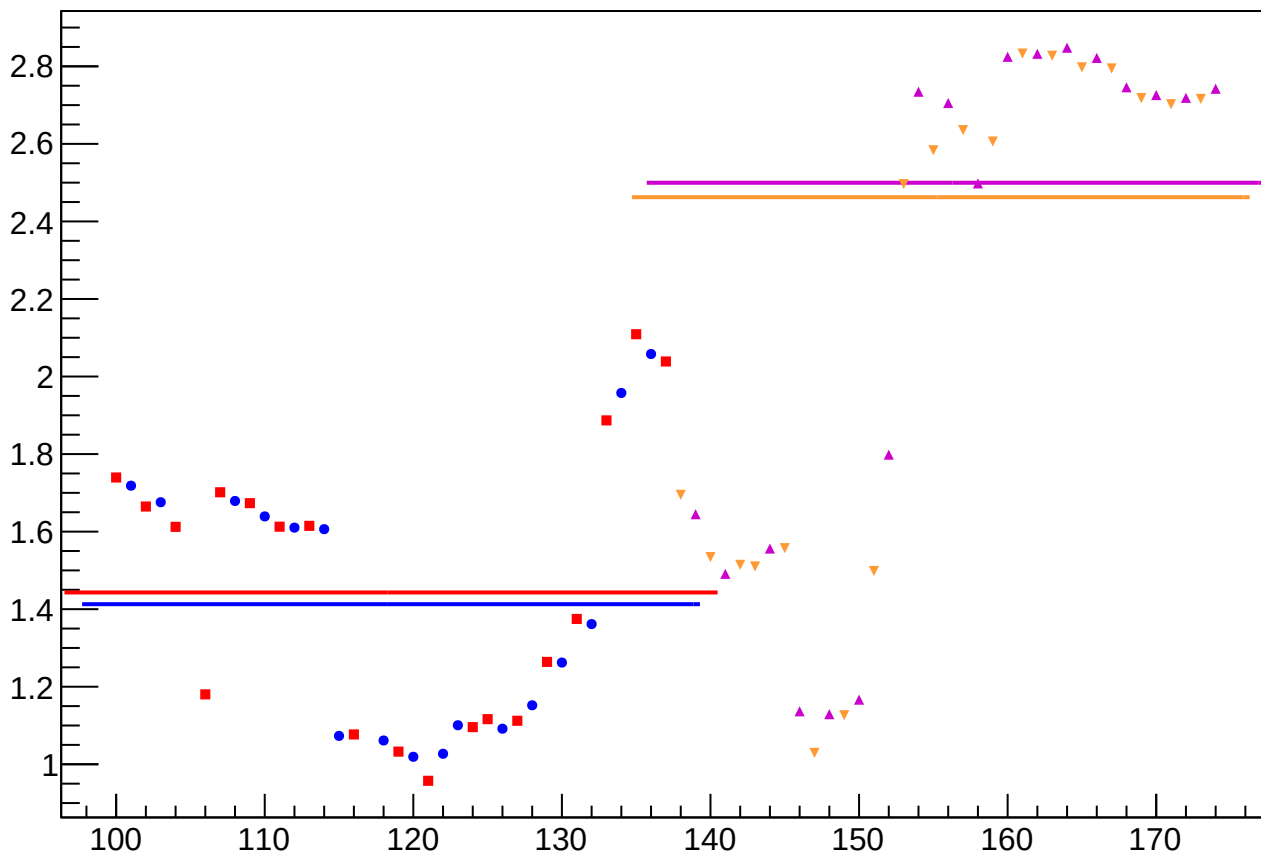
Left In: 0.005+/-0.000 χ^2/NDF :2273701.2/17

+ sign 0.005+/-0.000 χ^2/NDF : 2988221.5/35

All: 0.005+/-0.000 χ^2/NDF : 6182984.0/72

- 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: 2.462+/-0.000 χ^2/NDF : 240074153838.5/18

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

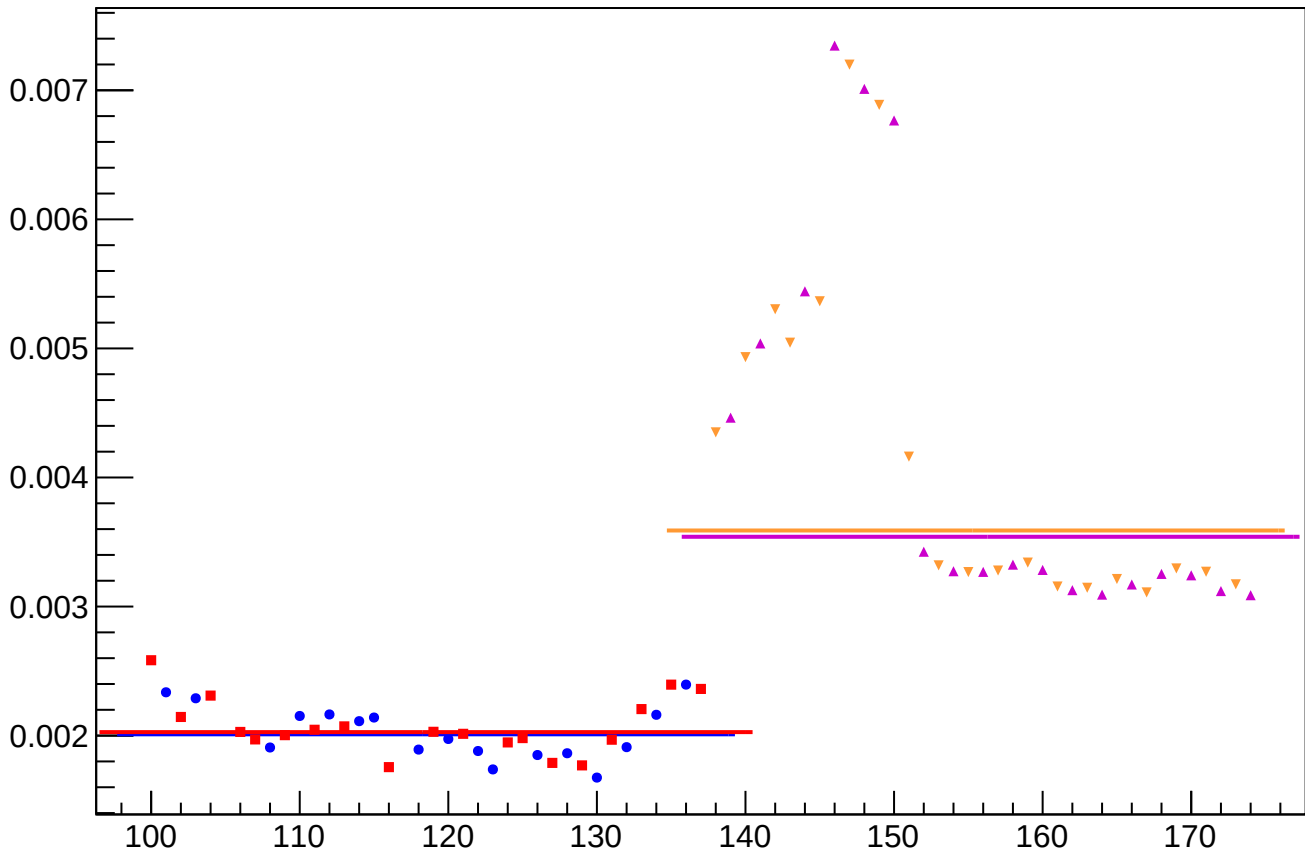
Left In: 2.500+/-0.000 χ^2/NDF : 239992121486.6/17

+ sign 1.823+/-0.000 χ^2/NDF : 1070122580125.0/35

All: 1.835+/-0.000 χ^2/NDF : 2158621459413.0

- 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 :1321123.7/18

Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

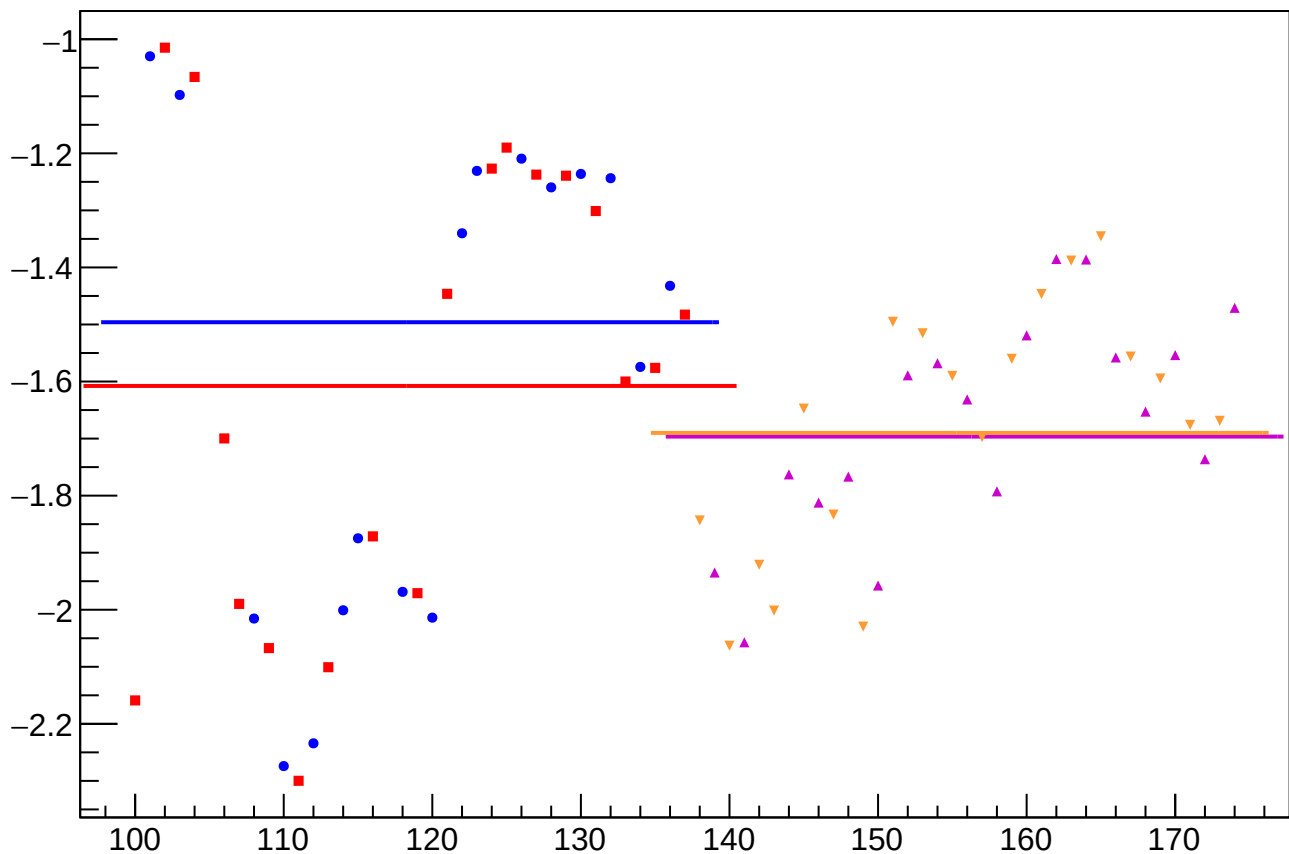
Left In: 0.004+/-0.000 χ^2/NDF :1531806.2/17

+ sign 0.003+/-0.000 χ^2/NDF : 4450065.2/35

All: 0.003+/-0.000 χ^2/NDF : 8854360.1/72

- 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: -1.690 ± 0.000 χ^2/NDF : 15688037331.6/18

Right Out: -1.608 ± 0.000 χ^2/NDF : 27836461057.4/18

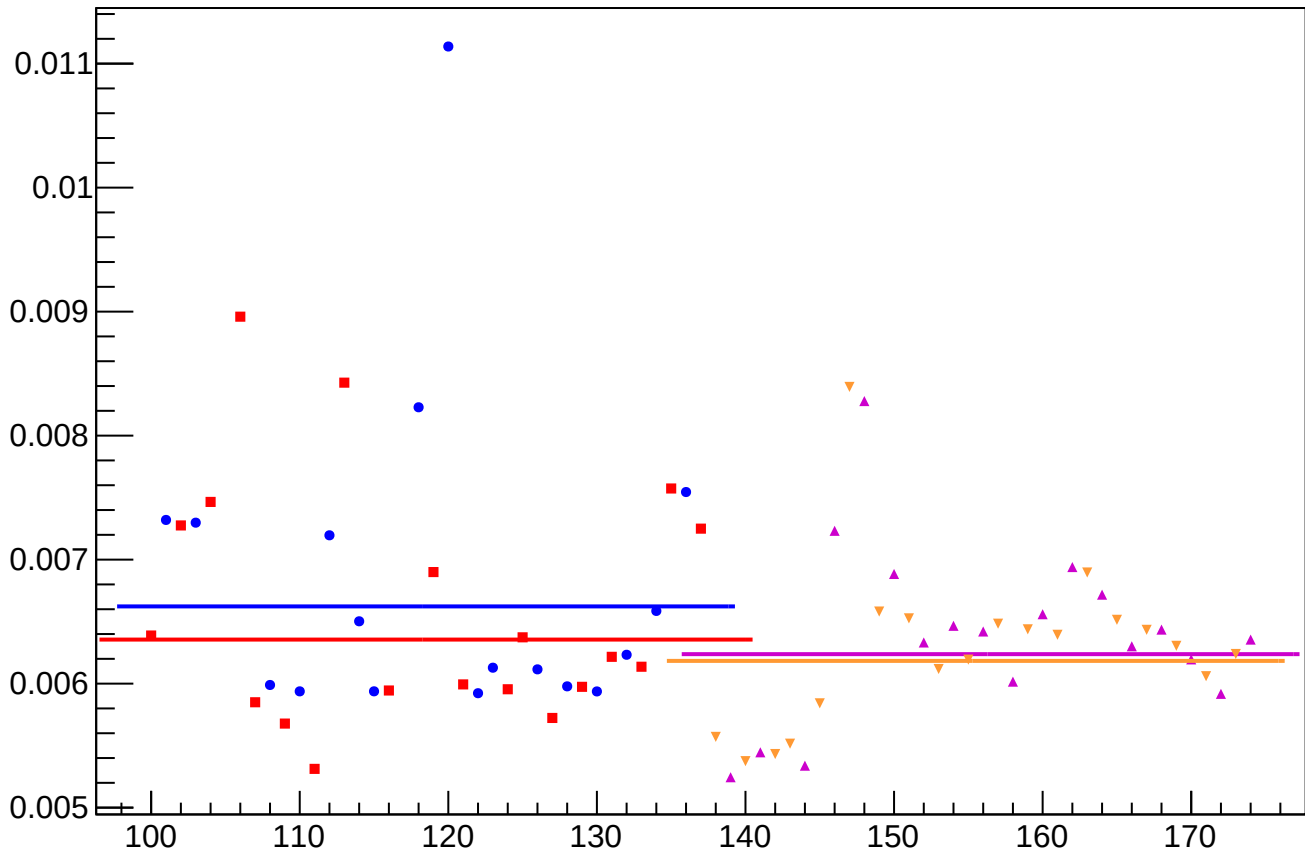
Left In: -1.697 ± 0.000 χ^2/NDF : 12219288349.3/17

+ sign -1.635 ± 0.000 χ^2/NDF : 41954904976.7/35

All: -1.651 ± 0.000 χ^2/NDF : 83138202182.5/36

- sign -1.667 ± 0.000 χ^2/NDF : 40922046977.8/36

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :227206.5/18

Right Out: 0.006+/-0.000 χ^2/NDF : 227861.1/18

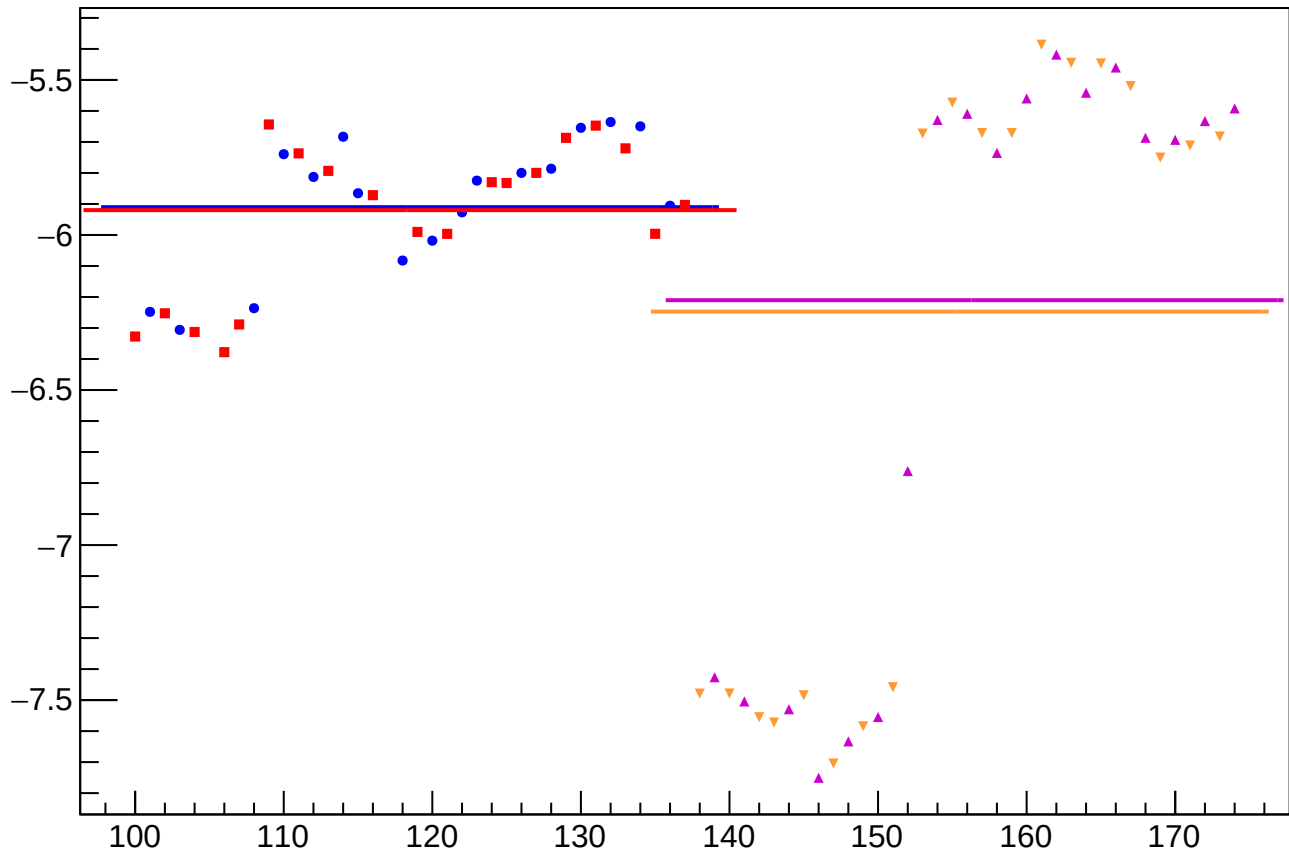
Left In: 0.006+/-0.000 χ^2/NDF :293070.7/17

+ sign 0.006+/-0.000 χ^2/NDF : 498240.5/35

All: 0.006+/-0.000 χ^2/NDF : 1022709.0/72

- sign 0.006+/-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: -6.247+/-0.000 χ^2/NDF : 171810673297.0/18

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

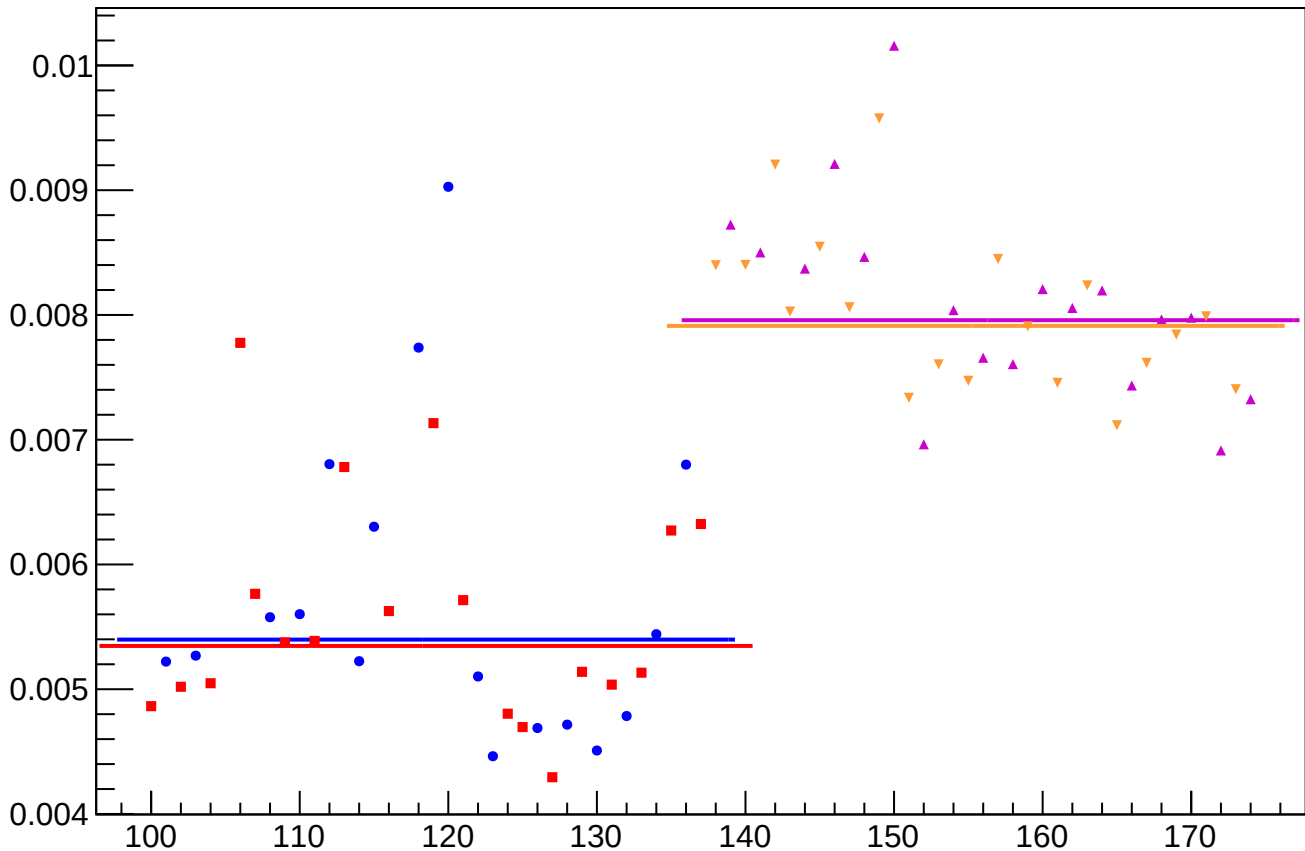
Left In: -6.210+/-0.000 χ^2/NDF : 150152911557.4/17

+ sign -6.078+/-0.000 χ^2/NDF : 194440724011.1/35

All: -6.067+/-0.000 χ^2/NDF : 366322147404.8

- sign -6.057+/-0.000 χ^2/NDF : 171786555580.2/36

yield_bpm0l01Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 371347.4/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:123121.2/18

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 249377.5/18

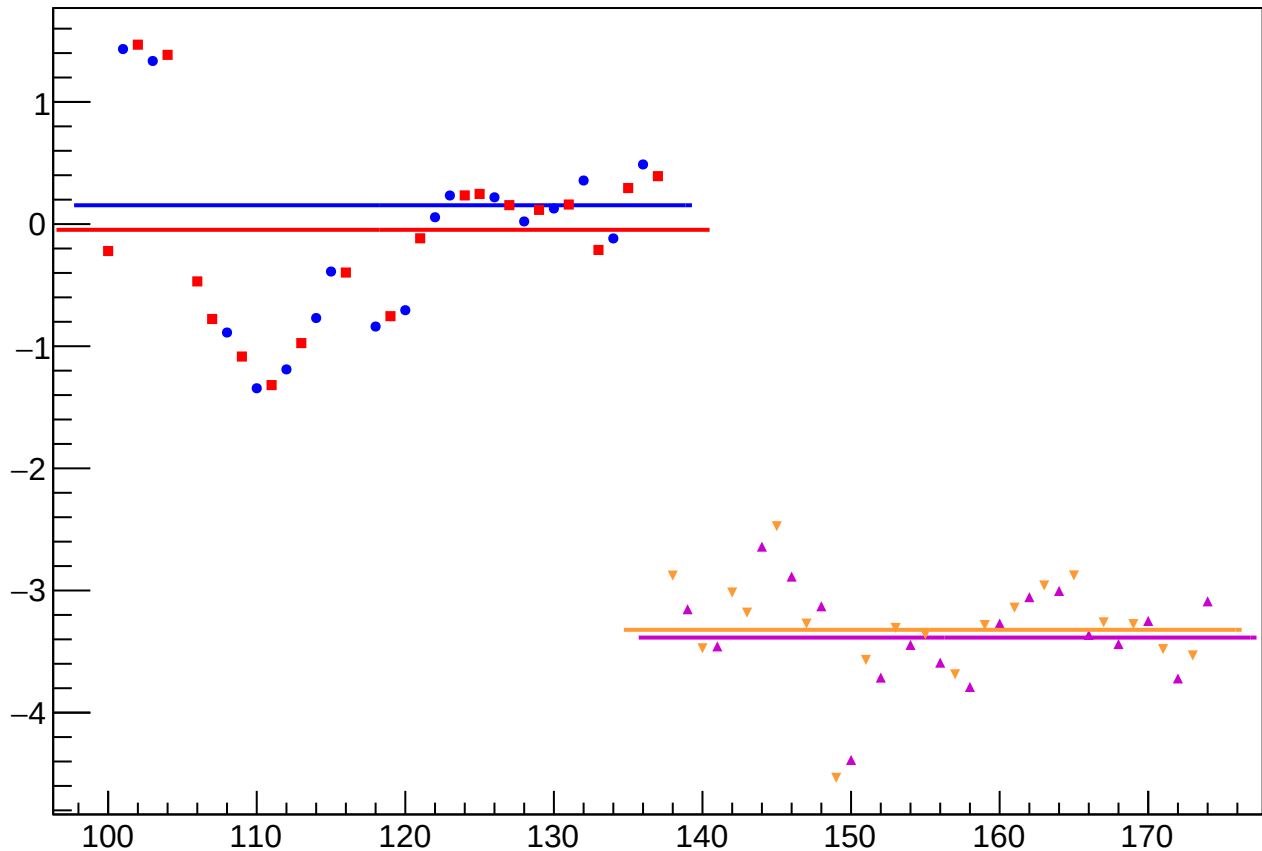
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:201127.0/17

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1772841.8/35

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3656016.9/72

- sign 0.007 $\pm$ 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: -3.322+/-0.000 χ^2/NDF : 8216414646.5/18

+ sign -2.072+/-0.000 χ^2/NDF : 262502707951.1/35

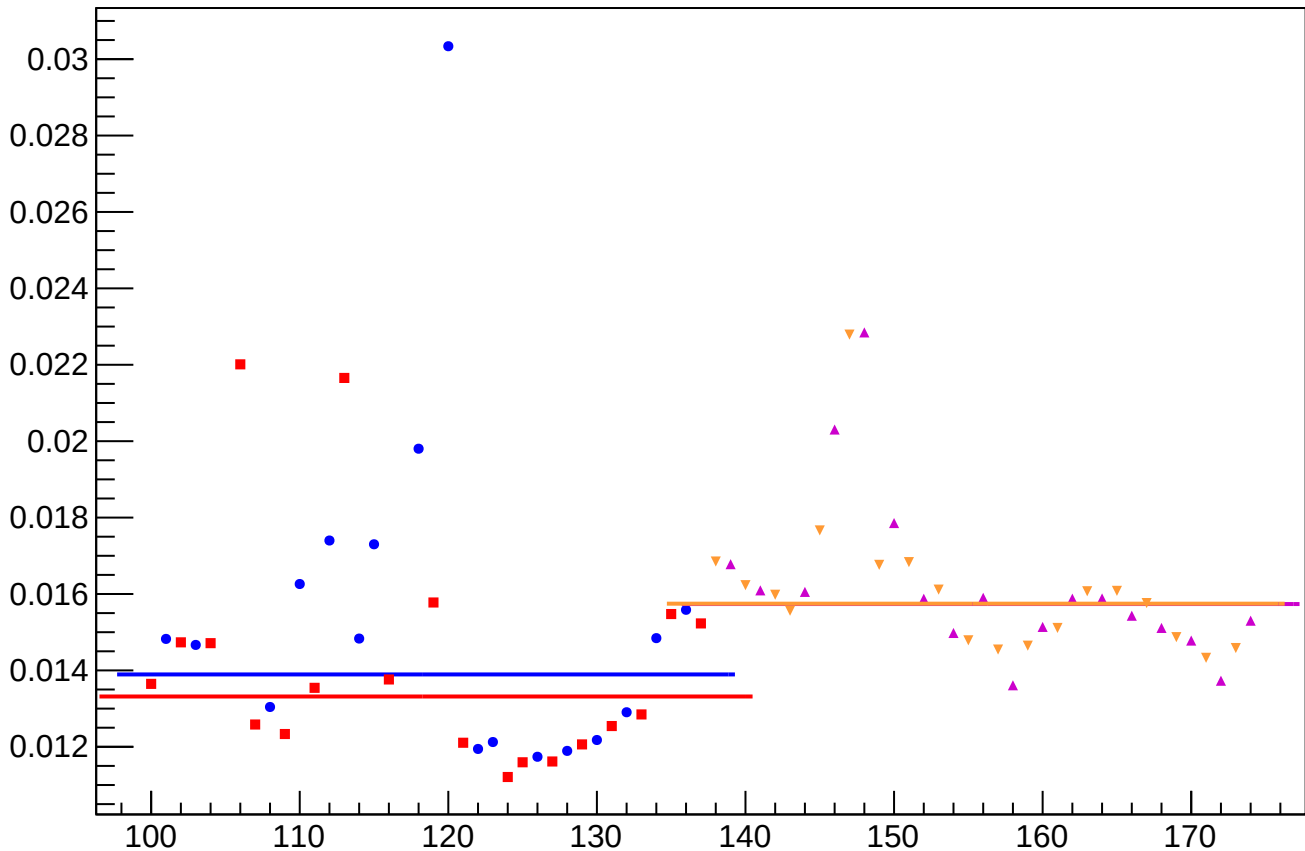
Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

All: -2.051+/-0.000 χ^2/NDF : 532773660228.7

Left In: -3.385+/-0.000 χ^2/NDF : 7615494533.6/17

- 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:231415.8/18

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 291358.0/18

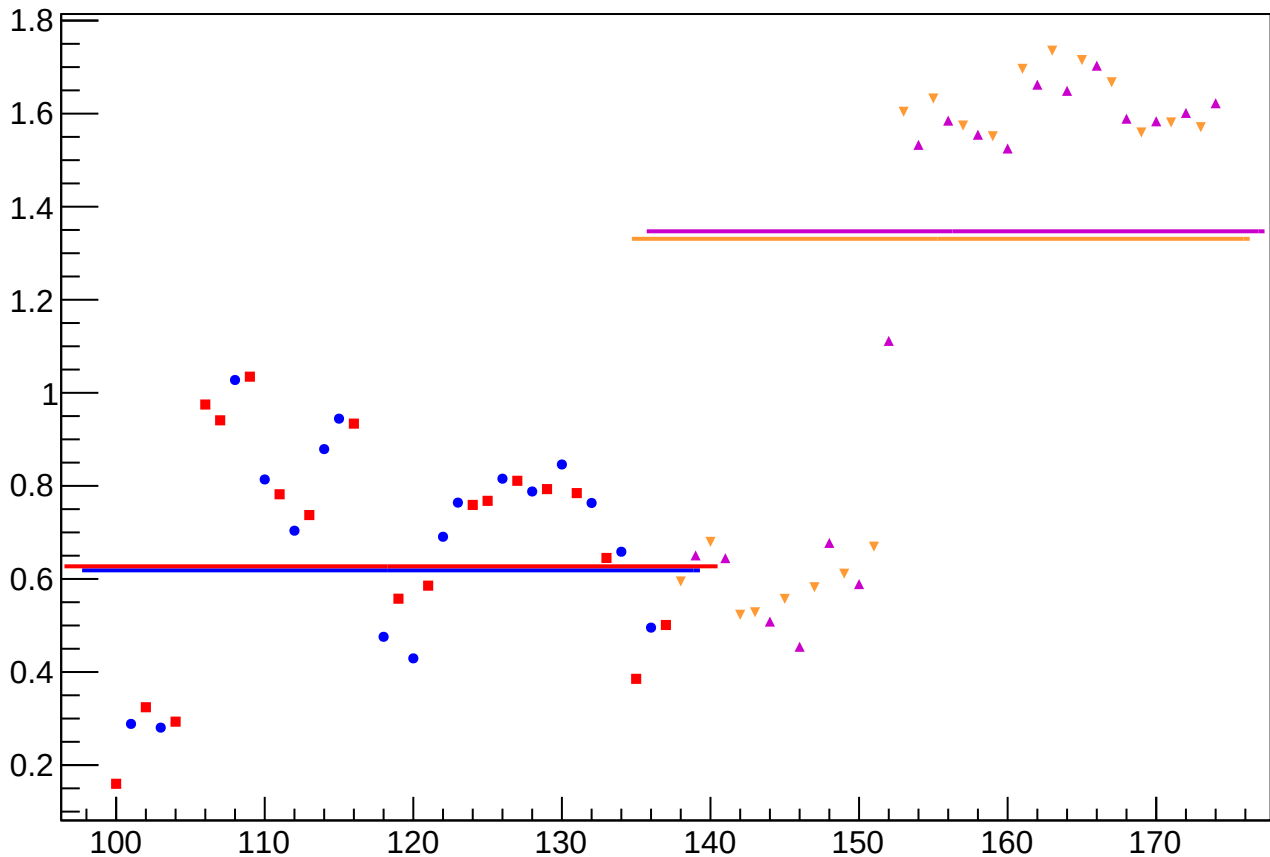
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:328007.7/17

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 766731.2/35

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 1648962.4/72

- 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: 1.331 $\pm$ 0.000 χ^2 /NDF: 70567392814.1/18

Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6337935219.4/18

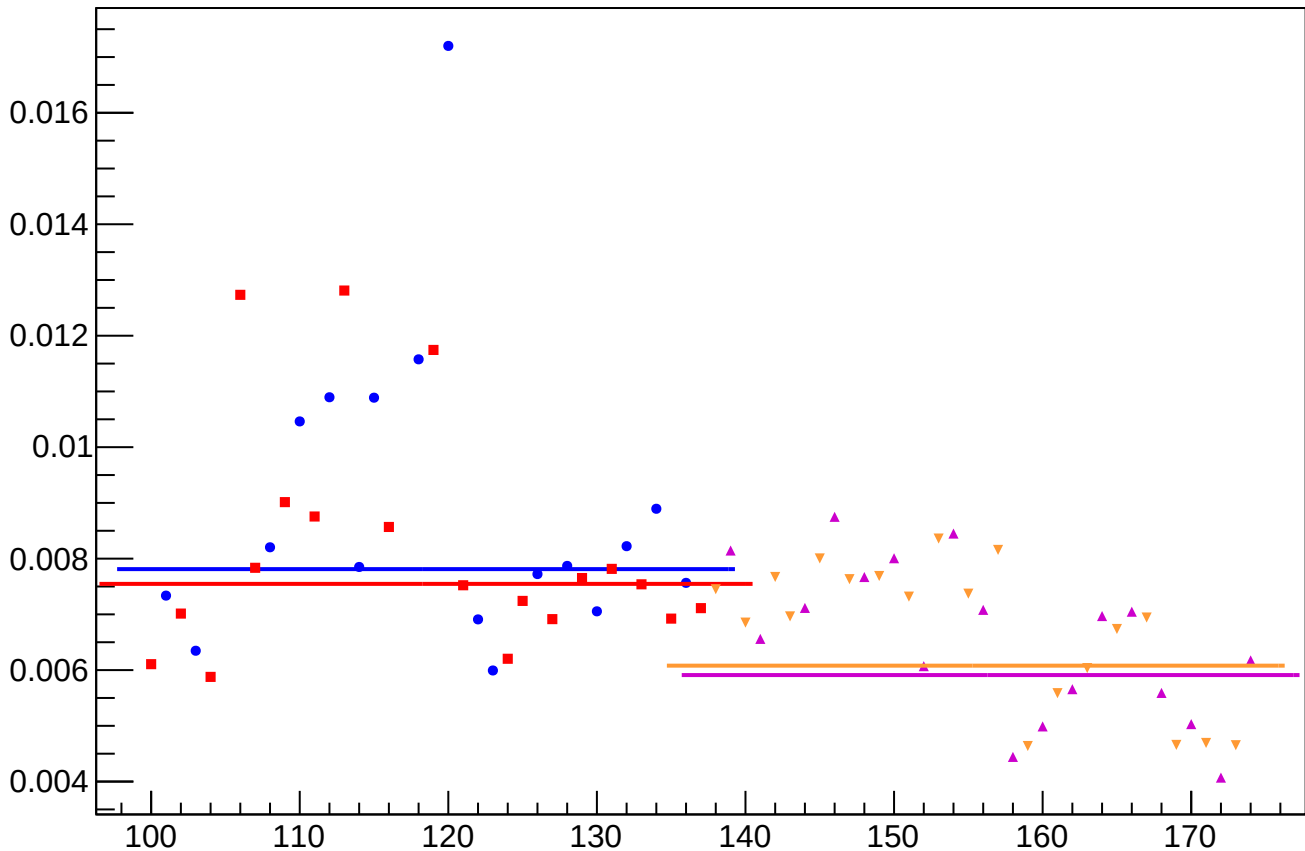
Left In: 1.347 $\pm$ 0.000 χ^2 /NDF: 61889654860.8/17

+ sign 1.175 $\pm$ 0.000 χ^2 /NDF: 113778745467.7/35

All: 1.177 $\pm$ 0.000 χ^2 /NDF: 225232227927.2

- sign 1.179 $\pm$ 0.000 χ^2 /NDF: 111448987532.5/36

yield_bpm0l02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 466827.3/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1218402.2/18

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 441823.4/18

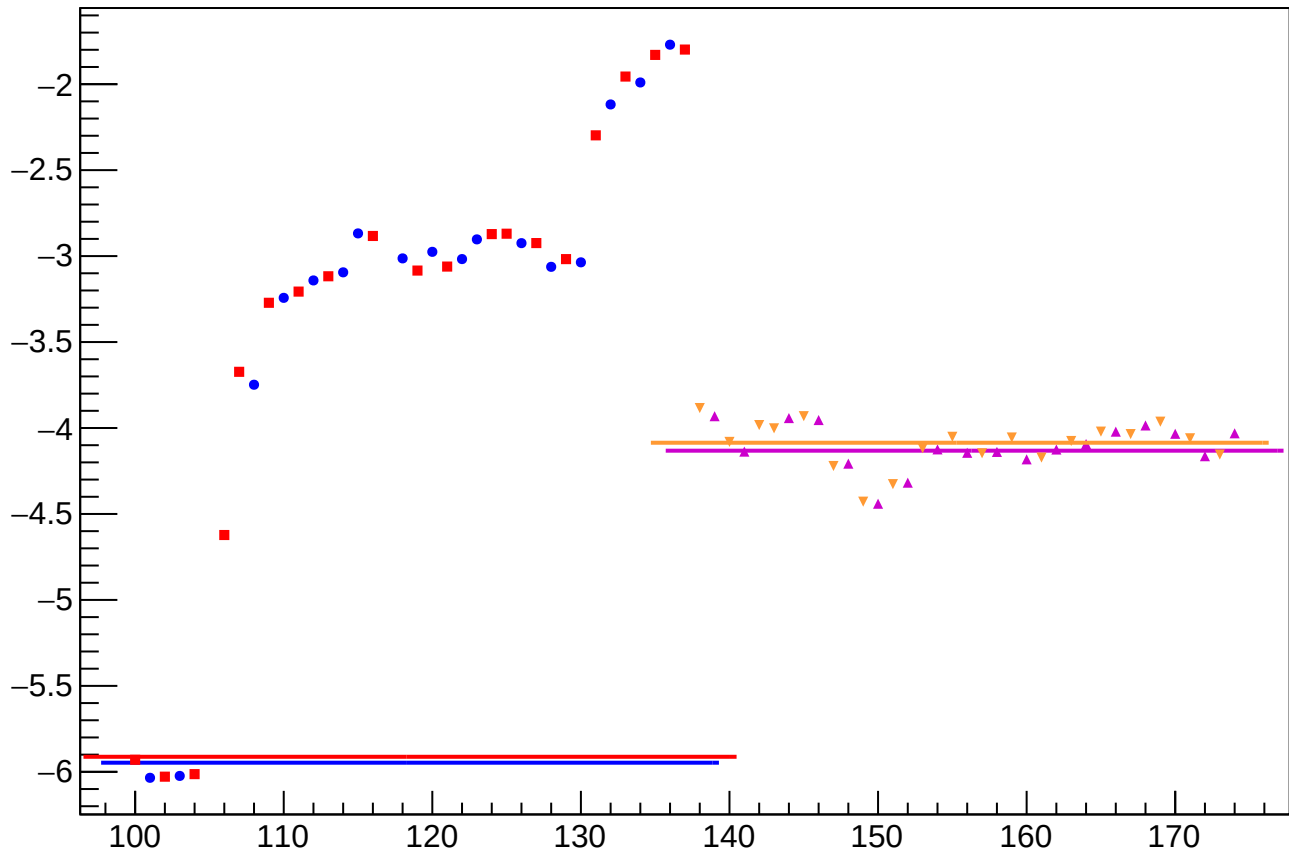
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1296143.0/17

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2131996.0/35

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4328933.9/72

- sign 0.006 $\pm$ 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: -4.086+/-0.000 χ^2/NDF : 34578154.1/18

Right Out: -5.912+/-0.000 χ^2/NDF : 14619971495.0/18

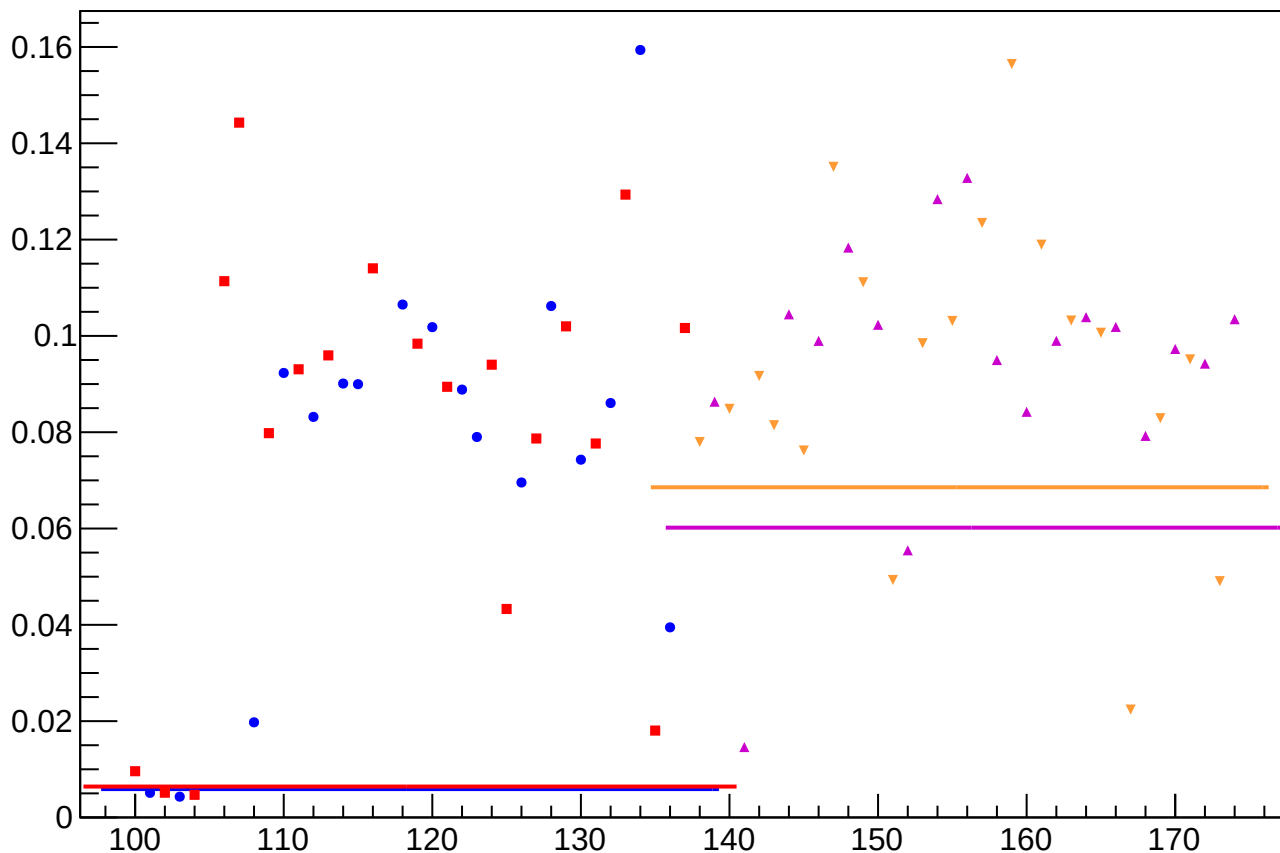
Left In: -4.132+/-0.000 χ^2/NDF : 25767140.2/17

+ sign -5.872+/-0.000 χ^2/NDF : 19834610761.6/35

All: -5.848+/-0.000 χ^2/NDF : 40927909130.2/36

- 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: 0.069 $\pm$ 0.000 χ^2 /NDF: 4714567.9/18

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8498586.9/18

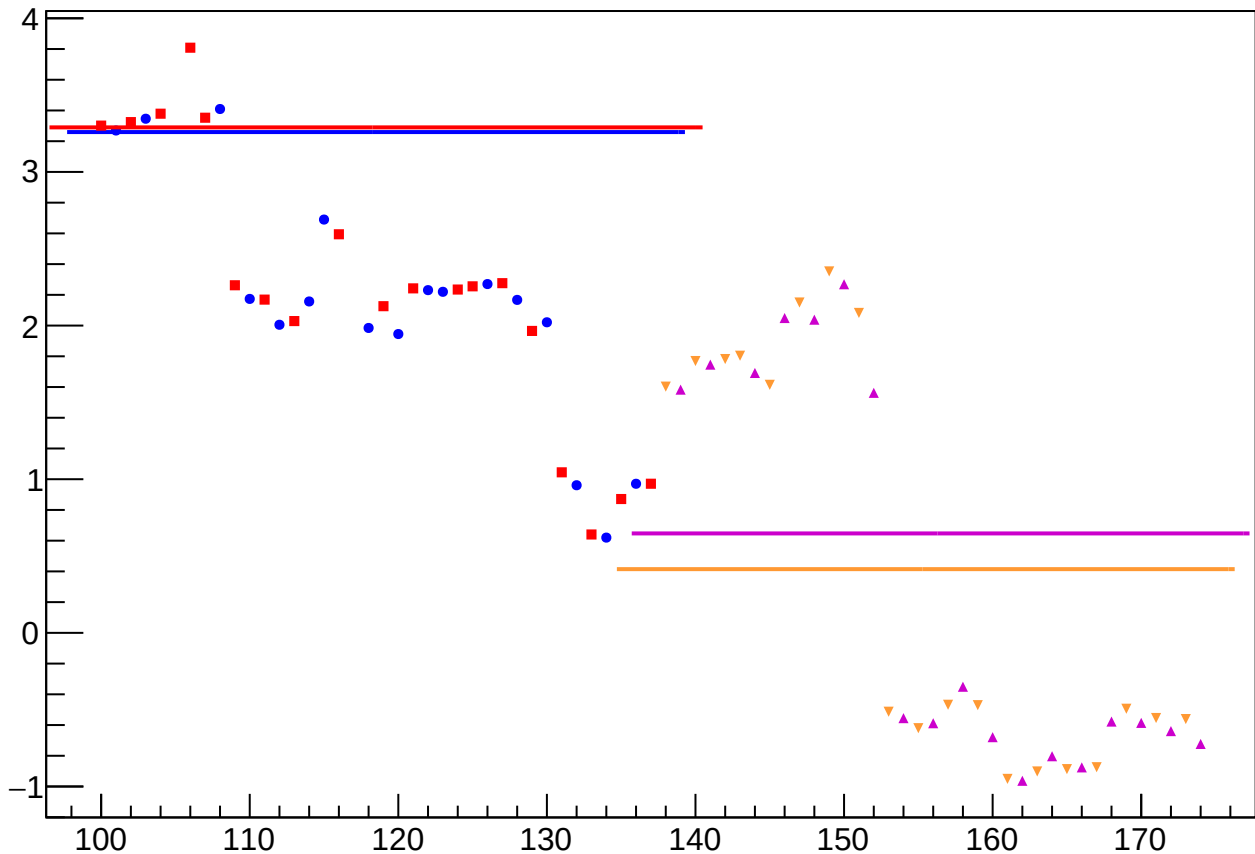
Left In: 0.060 $\pm$ 0.000 χ^2 /NDF: 7151458.0/17

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 27693944.6/35

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 55017760.8/72

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 27293282.4/36

yield_bpm0l03Y_mean vs Slug



Right In: 3.259 $\pm$ 0.000 χ^2 /NDF: 2921931976.8/16

Left Out: 0.415 $\pm$ 0.000 χ^2 /NDF:2841503873.7/18

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3262231575.5/18

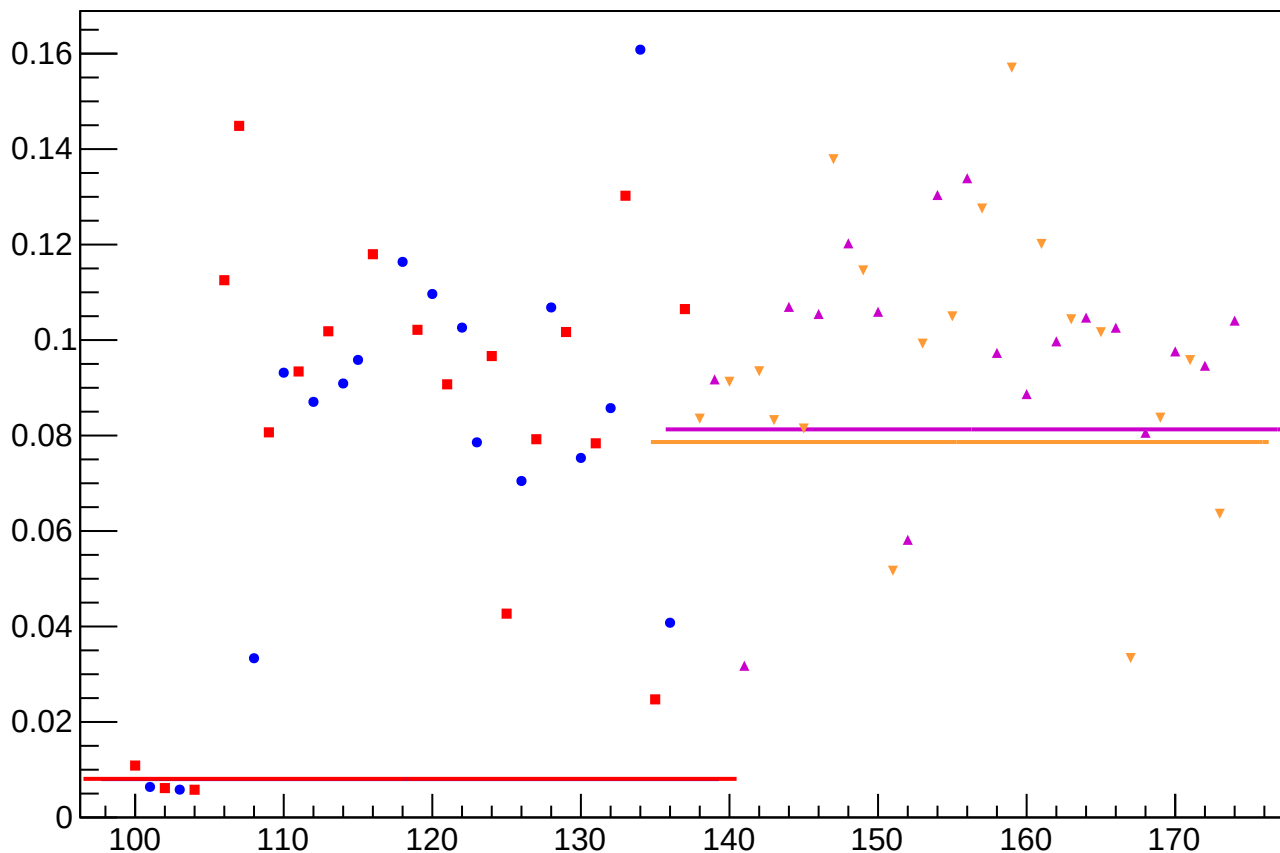
Left In: 0.647 $\pm$ 0.000 χ^2 /NDF:2272266087.3/17

+ sign 3.102 $\pm$ 0.000 χ^2 /NDF: 18614023199.1/35

All: 3.124 $\pm$ 0.000 χ^2 /NDF: 34176299838.0/7

- sign 3.147 $\pm$ 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:3061874.3/18

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

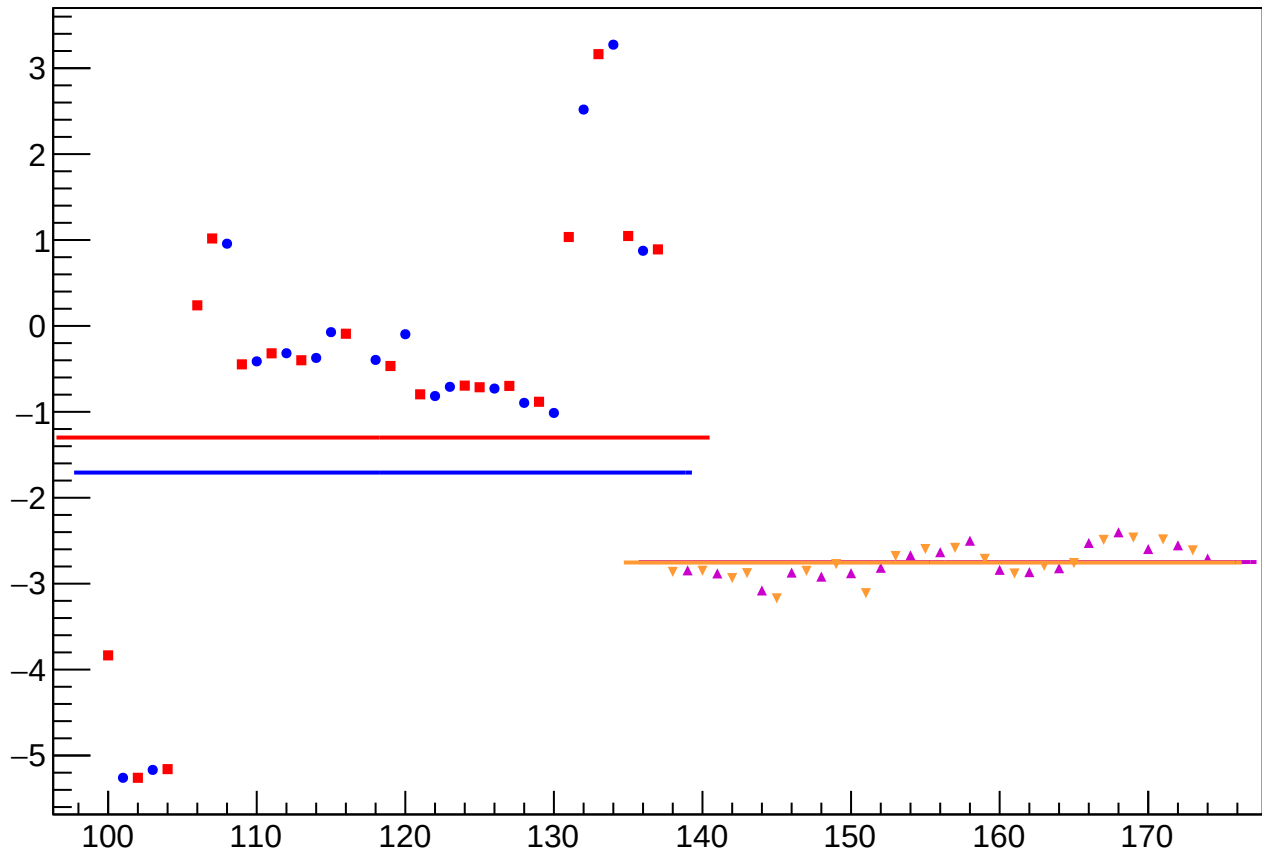
Left In: 0.081 $\pm$ 0.000 χ^2 /NDF:2901503.8/17

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 26635151.2/35

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 53191405.3/72

- 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: -2.754+/-0.000 χ^2/NDF : 8636415262.9/18

+ sign -2.657+/-0.000 χ^2/NDF : 197539842035.5/35

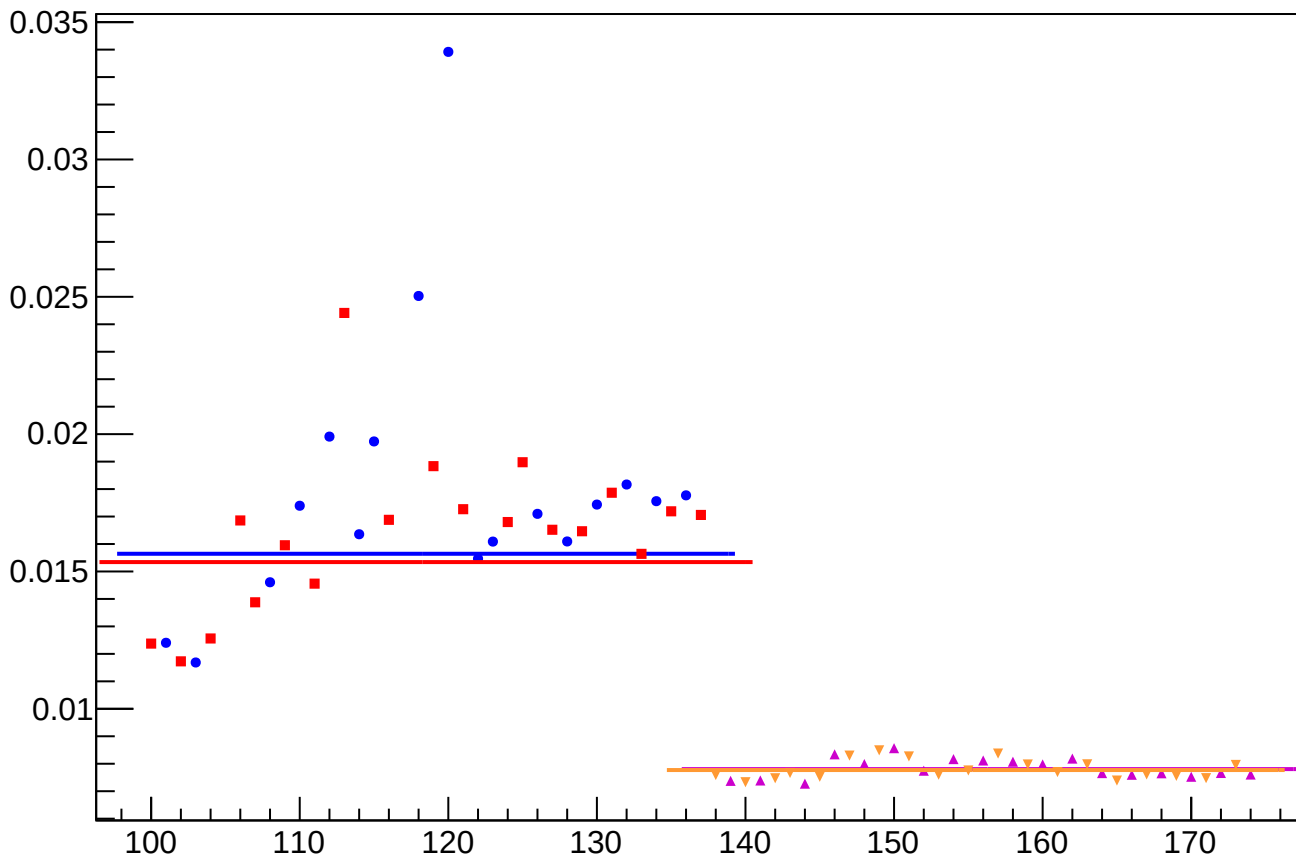
Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

All: -2.625+/-0.000 χ^2/NDF : 432483568494.3

Left In: -2.748+/-0.000 χ^2/NDF : 7036402071.8/17

- sign -2.593+/-0.000 χ^2/NDF : 234440215783.4/36

yield_bpm0l04X_rms vs Slug



Right In: 0.016 ± 0.000 $\chi^2/\text{NDF}: 578244.3/16$

Left Out: 0.008 ± 0.000 $\chi^2/\text{NDF}: 50188.9/18$

Right Out: 0.015 ± 0.000 $\chi^2/\text{NDF}: 353806.7/18$

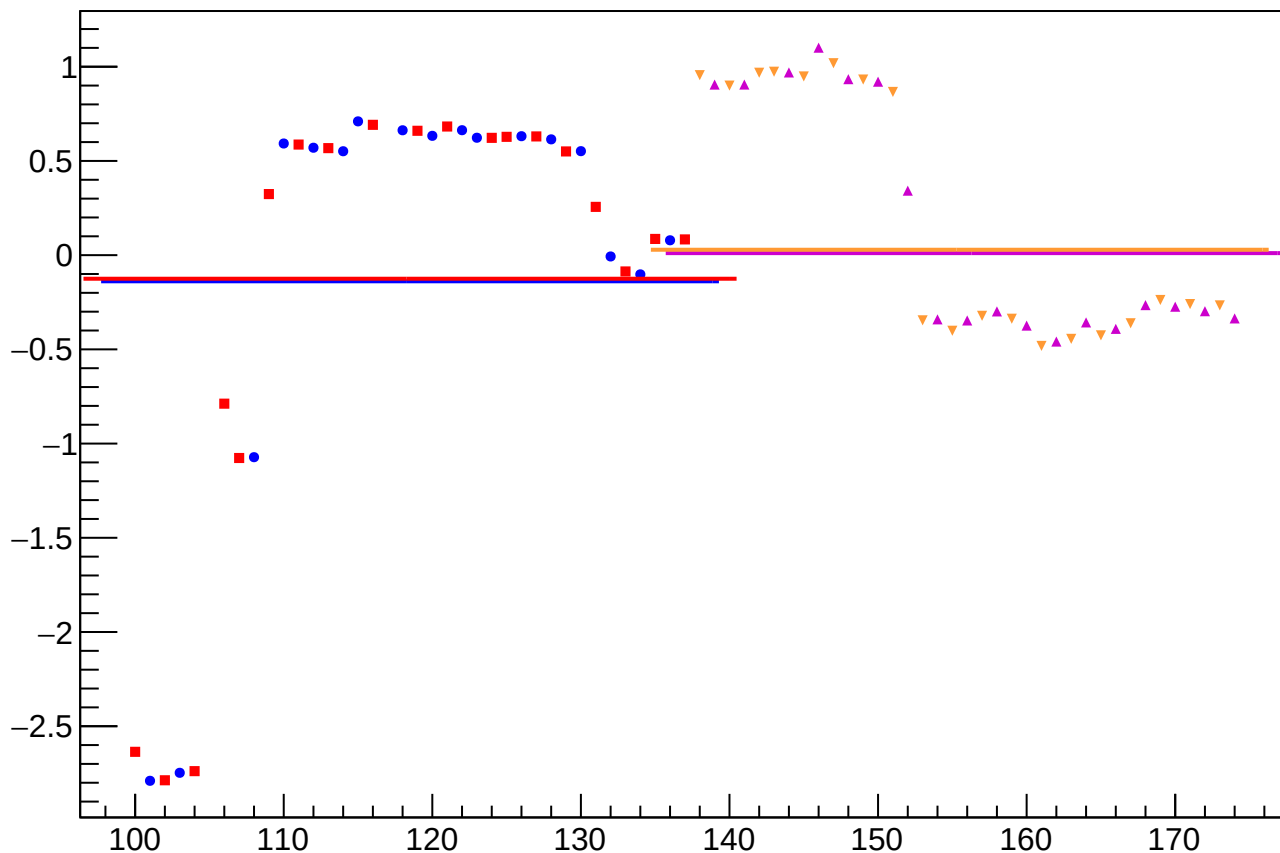
Left In: 0.008 ± 0.000 $\chi^2/\text{NDF}: 55207.4/17$

+ sign 0.008 ± 0.000 $\chi^2/\text{NDF}: 3206283.7/35$

All: 0.009 ± 0.000 $\chi^2/\text{NDF}: 6289741.5/72$

- sign 0.009 ± 0.000 $\chi^2/\text{NDF}: 3080207.6/36$

yield_bpm0l04Y_mean vs Slug



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.029+/-0.000 χ^2/NDF : 127904493762.7/18

Right Out: -0.125+/-0.000 χ^2/NDF : 761496762534.7/18

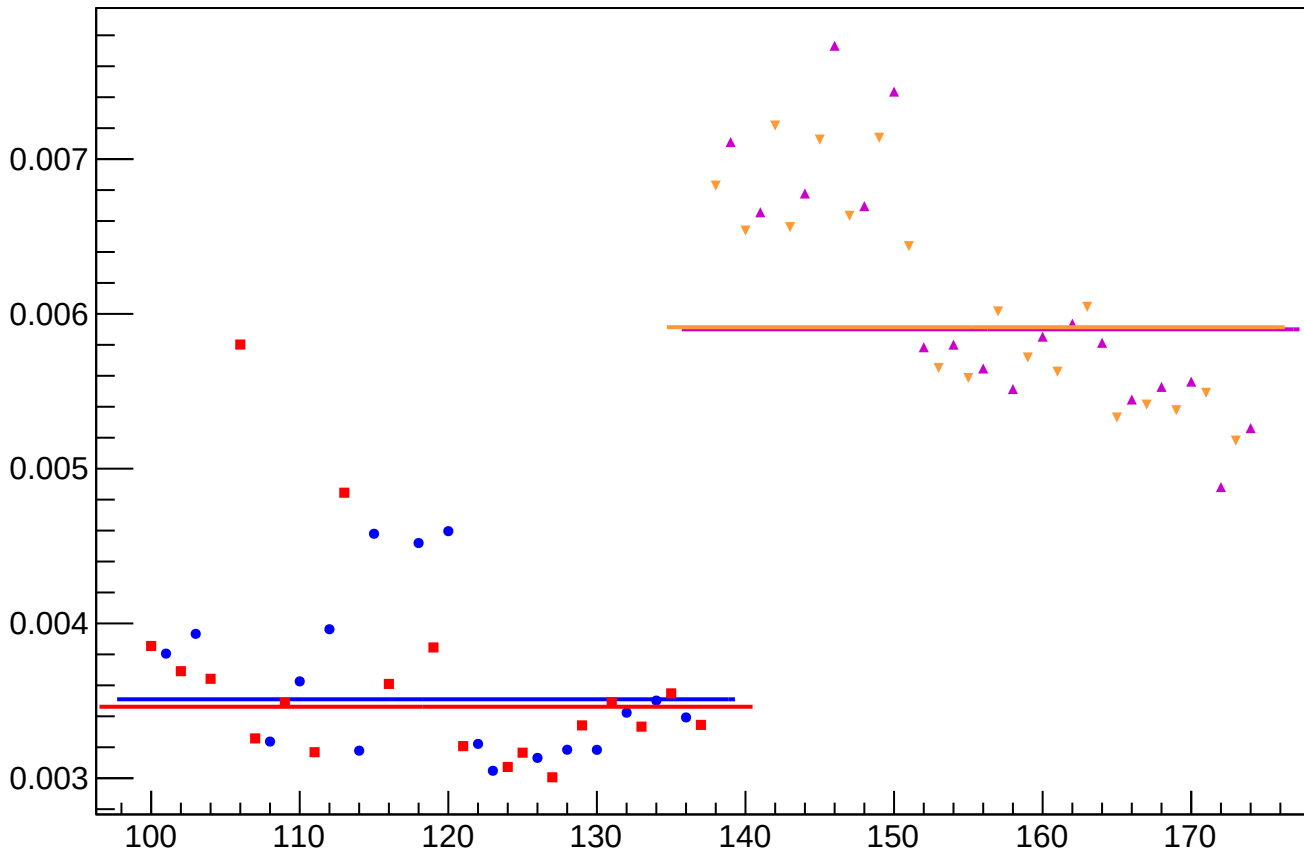
Left In: 0.011+/-0.000 χ^2/NDF : 110372962973.2/17

+ sign -0.069+/-0.000 χ^2/NDF : 848951576719.3/35

All: -0.070+/-0.000 χ^2/NDF : 1724914698790

- sign -0.071+/-0.000 χ^2/NDF : 875960098237.2/36

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 171337.9/16

Left Out: 0.006+/-0.000 χ^2/NDF : 268829.1/18

Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

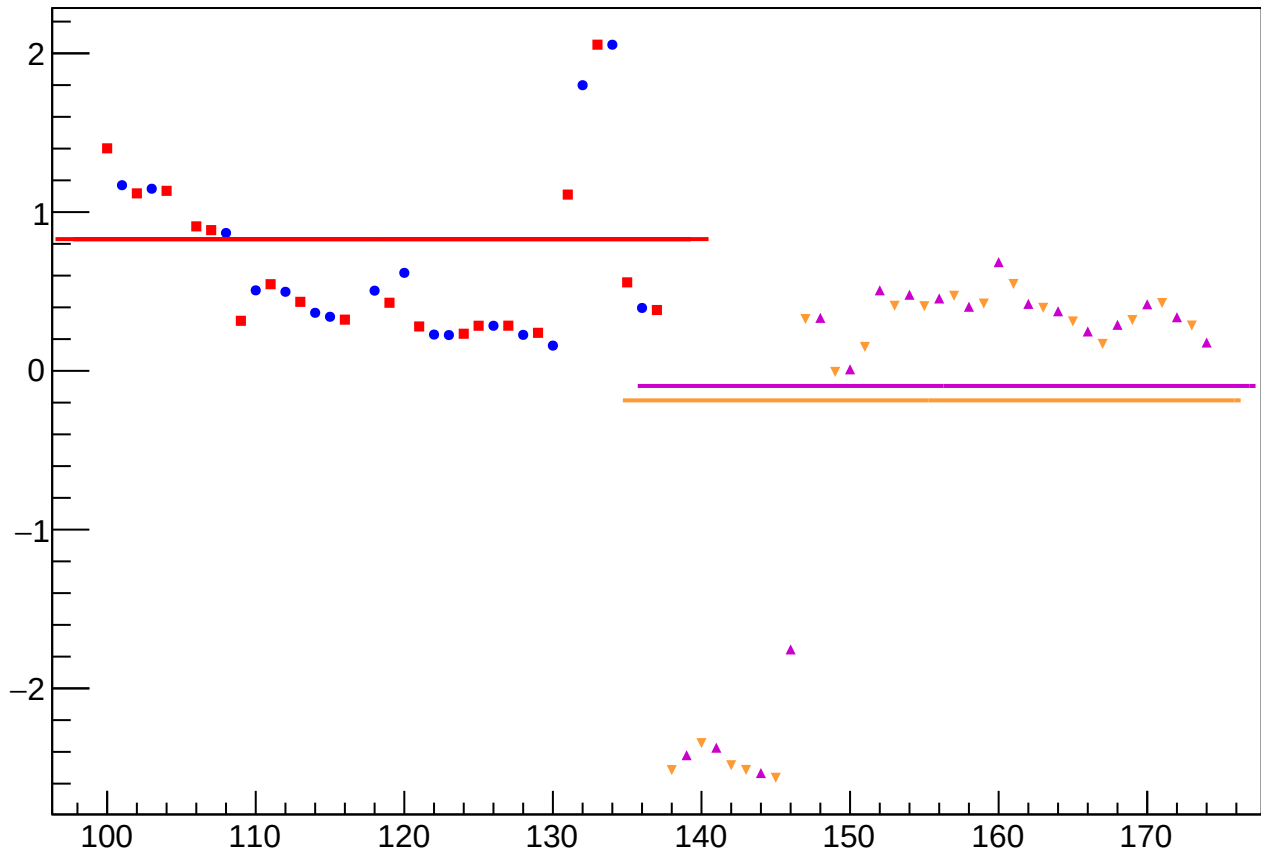
Left In: 0.006+/-0.000 χ^2/NDF : 351741.9/17

+ sign 0.005+/-0.000 χ^2/NDF : 2912640.8/35

All: 0.004+/-0.000 χ^2/NDF : 6121078.8/72

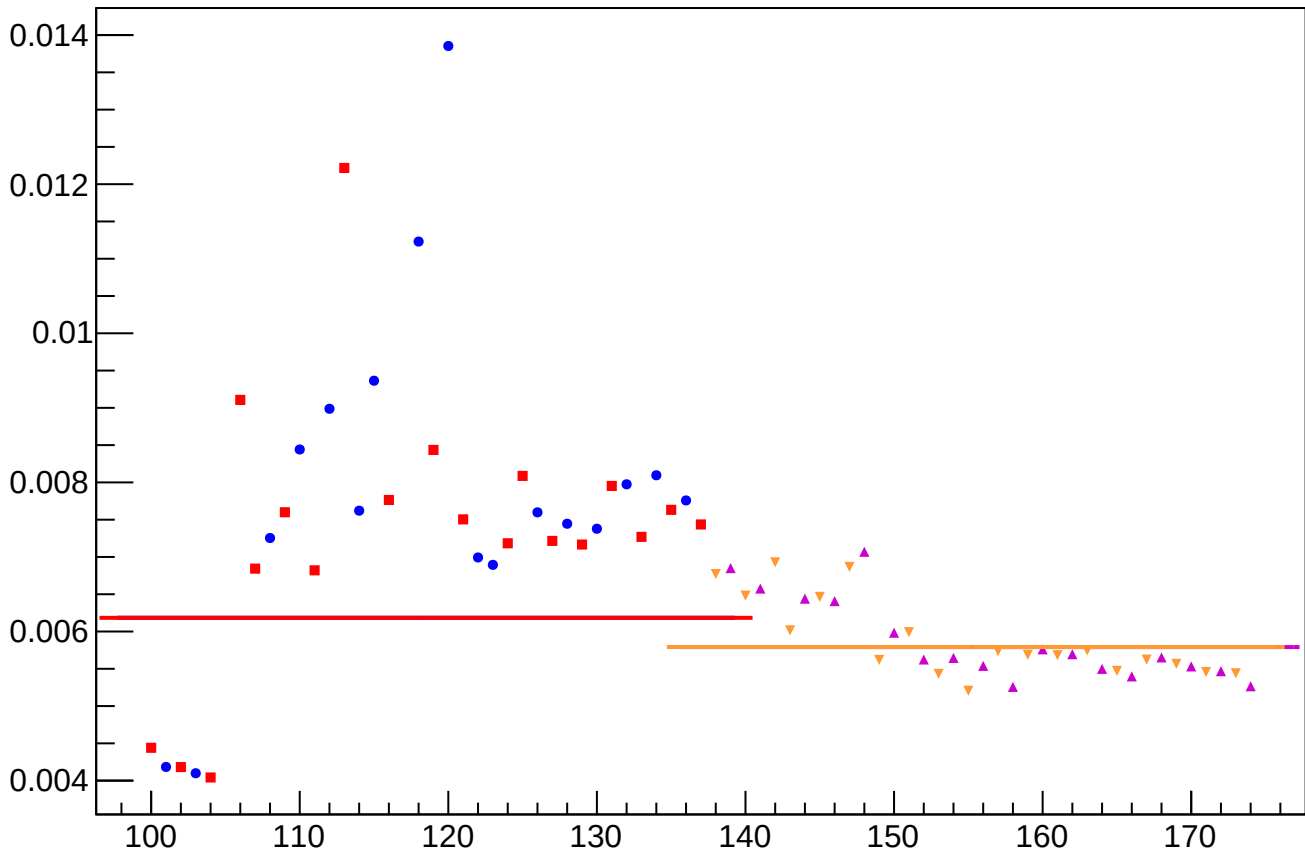
- sign 0.004+/-0.000 χ^2/NDF : 3201421.0/36

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000	χ^2/NDF : 31718573821.2/16	+ sign 0.080+/-0.000	χ^2/NDF : 612887962251.2/35
Left Out: -0.186+/-0.000	χ^2/NDF : 475480950150.2/18	All: 0.123+/-0.000	χ^2/NDF : 1147925994638.
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 : 165954.7/18

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

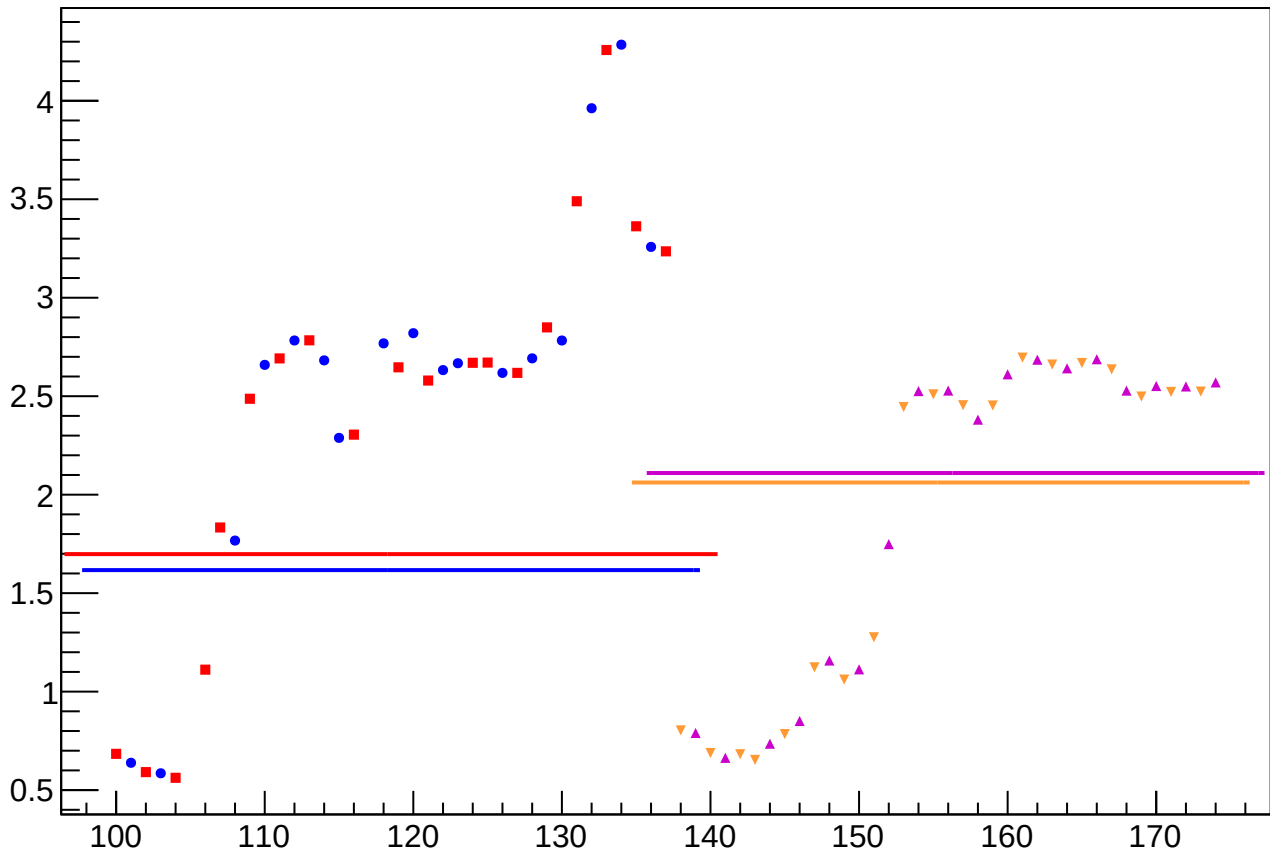
Left In: 0.006+/-0.000 χ^2/NDF : 187625.2/17

+ sign 0.006+/-0.000 χ^2/NDF : 1426537.8/35

All: 0.006+/-0.000 χ^2/NDF : 2674654.2/72

- sign 0.006+/-0.000 χ^2/NDF : 1248093.3/36

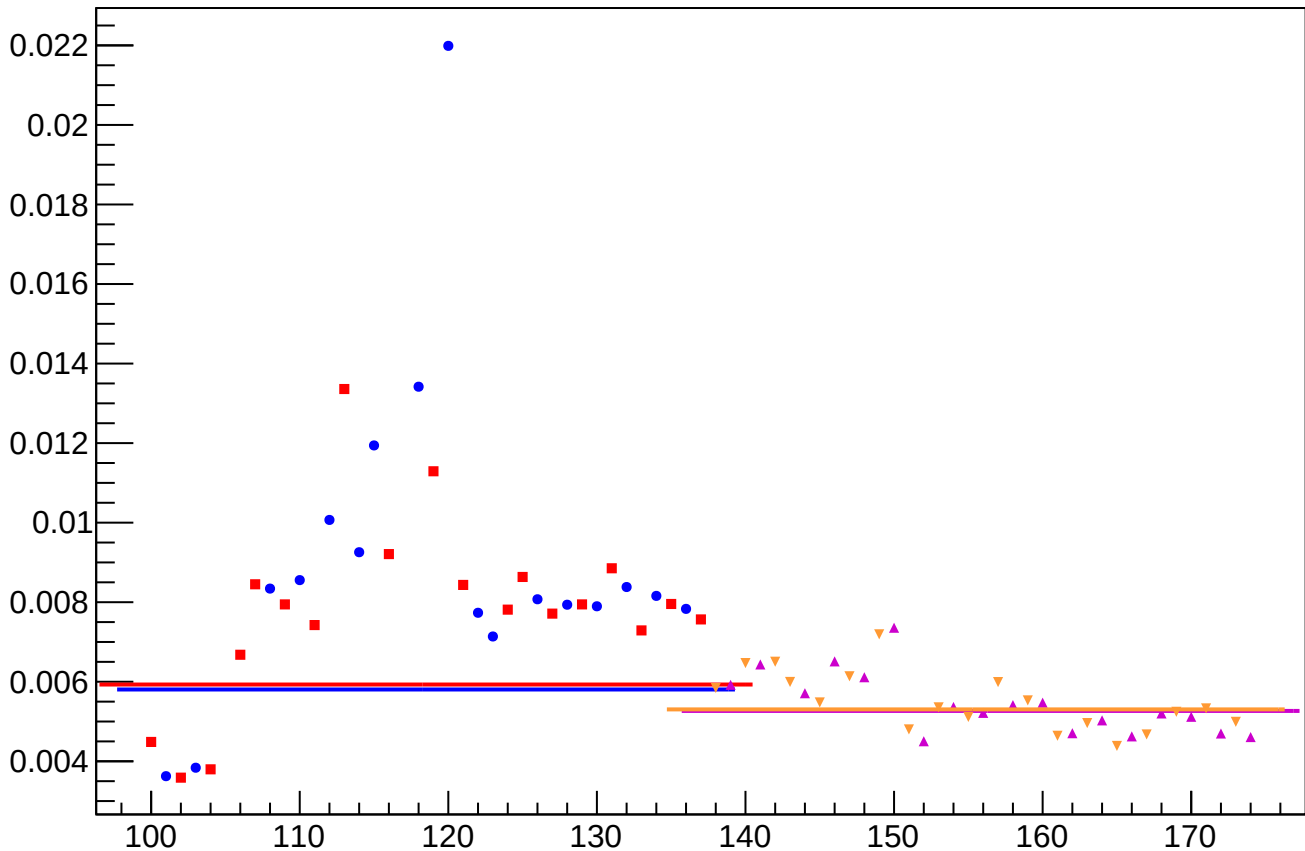
yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16
 Left Out: 2.062+/-0.000 χ^2/NDF : 265797434807.7/18
 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 1.954+/-0.000 χ^2/NDF : 490154982198.2/35
 All: 1.980+/-0.000 χ^2/NDF : 973807272563.3
 - 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 : 367516.3/18

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

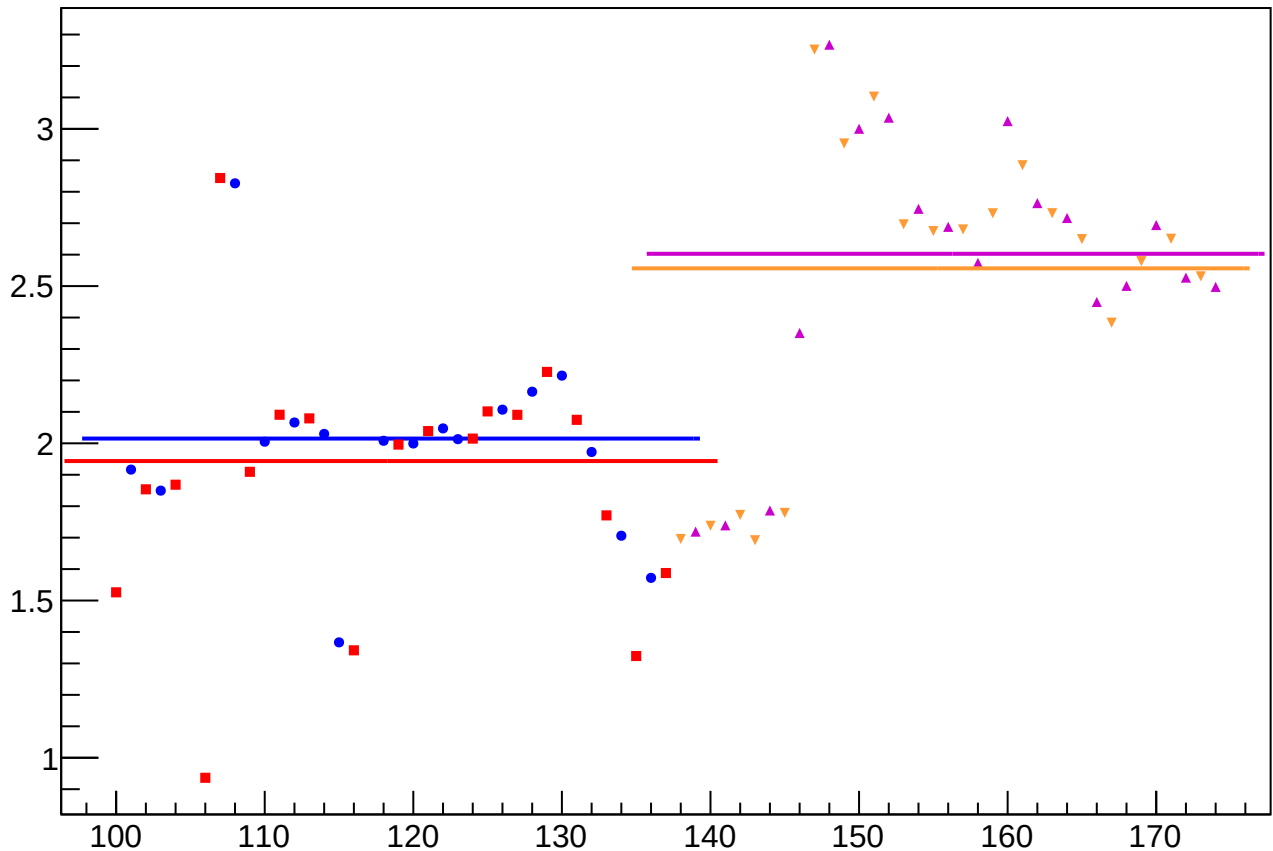
Left In: 0.005+/-0.000 χ^2/NDF : 404262.2/17

+ sign 0.005+/-0.000 χ^2/NDF : 2339882.1/35

All: 0.005+/-0.000 χ^2/NDF : 4530148.8/72

- sign 0.005+/-0.000 χ^2/NDF : 2190232.2/36

yield_bpm0l06X_mean vs Slug



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.556+/-0.000 χ^2/NDF : 48714264866.0/18

Right Out: 1.944+/-0.000 χ^2/NDF : 21427099579.0/18

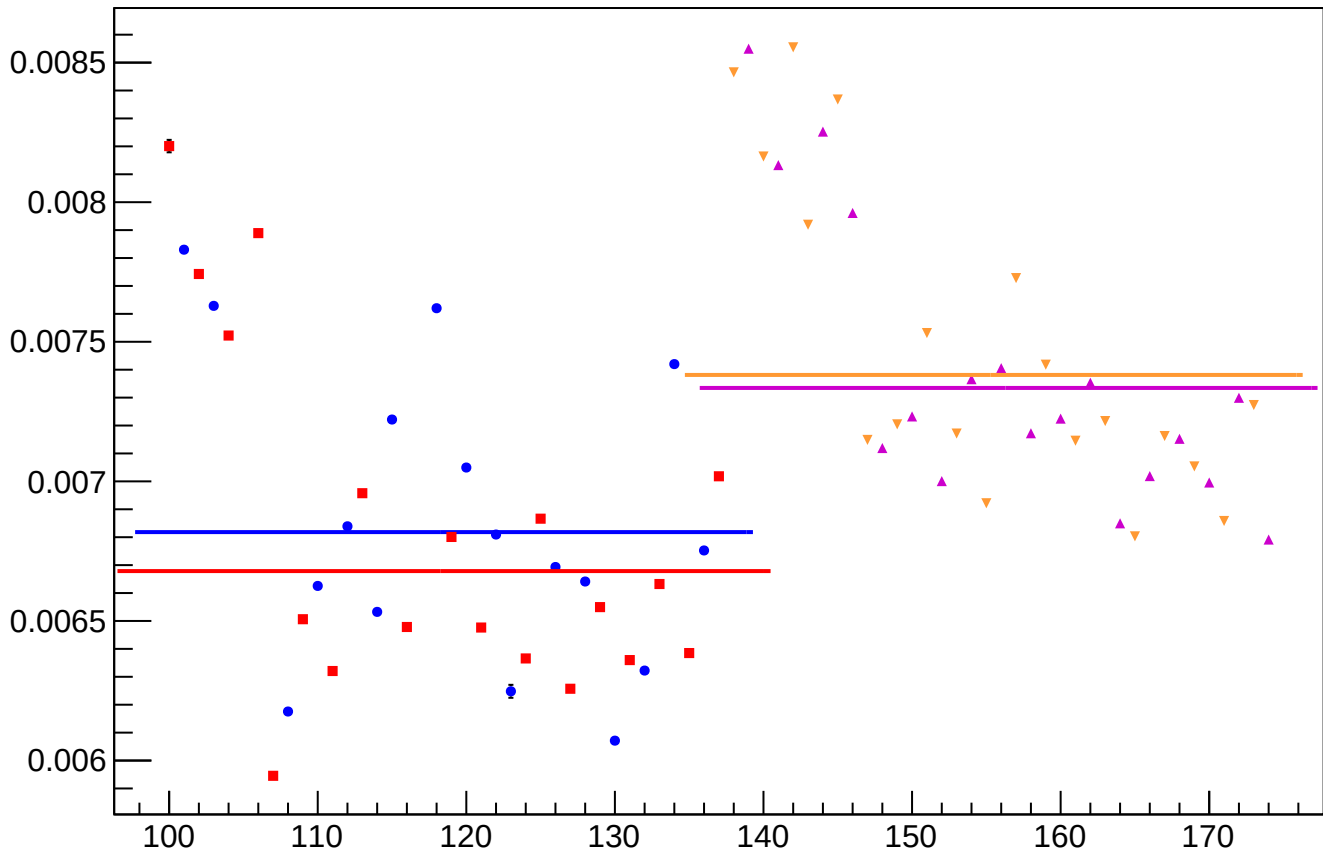
Left In: 2.603+/-0.000 χ^2/NDF : 41490681577.7/17

+ sign 2.363+/-0.000 χ^2/NDF : 86718980261.3/35

All: 2.357+/-0.000 χ^2/NDF : 190588689971.0

- sign 2.352+/-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 :115609.5/18

Right Out: 0.007+/-0.000 χ^2/NDF : 75718.4/18

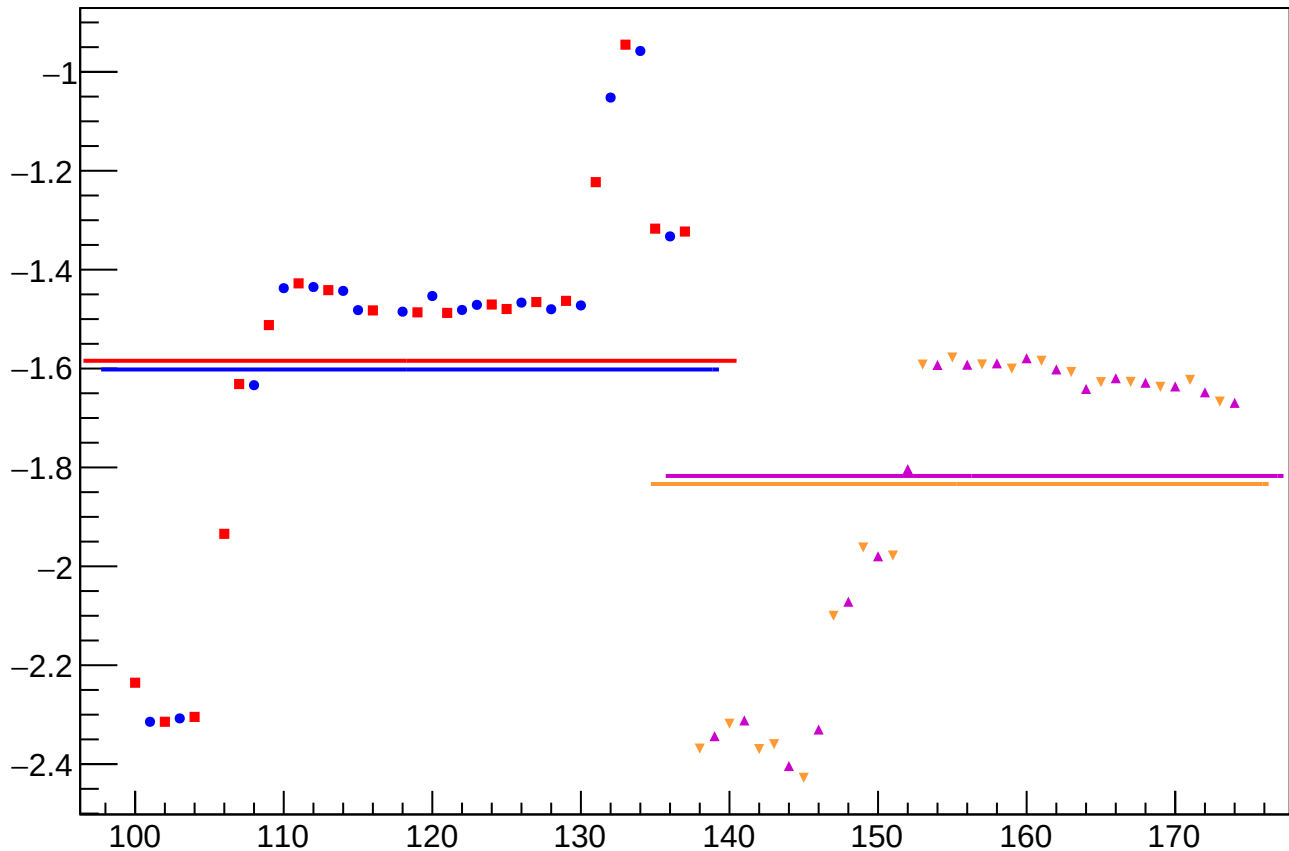
Left In: 0.007+/-0.000 χ^2/NDF :100427.6/17

+ sign 0.007+/-0.000 χ^2/NDF : 247177.3/35

All: 0.007+/-0.000 χ^2/NDF : 507962.4/72

- 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: -1.834+/-0.000 χ^2/NDF : 171833408167.5/18

Right Out: -1.584+/-0.000 χ^2/NDF : 143578606614.3/18

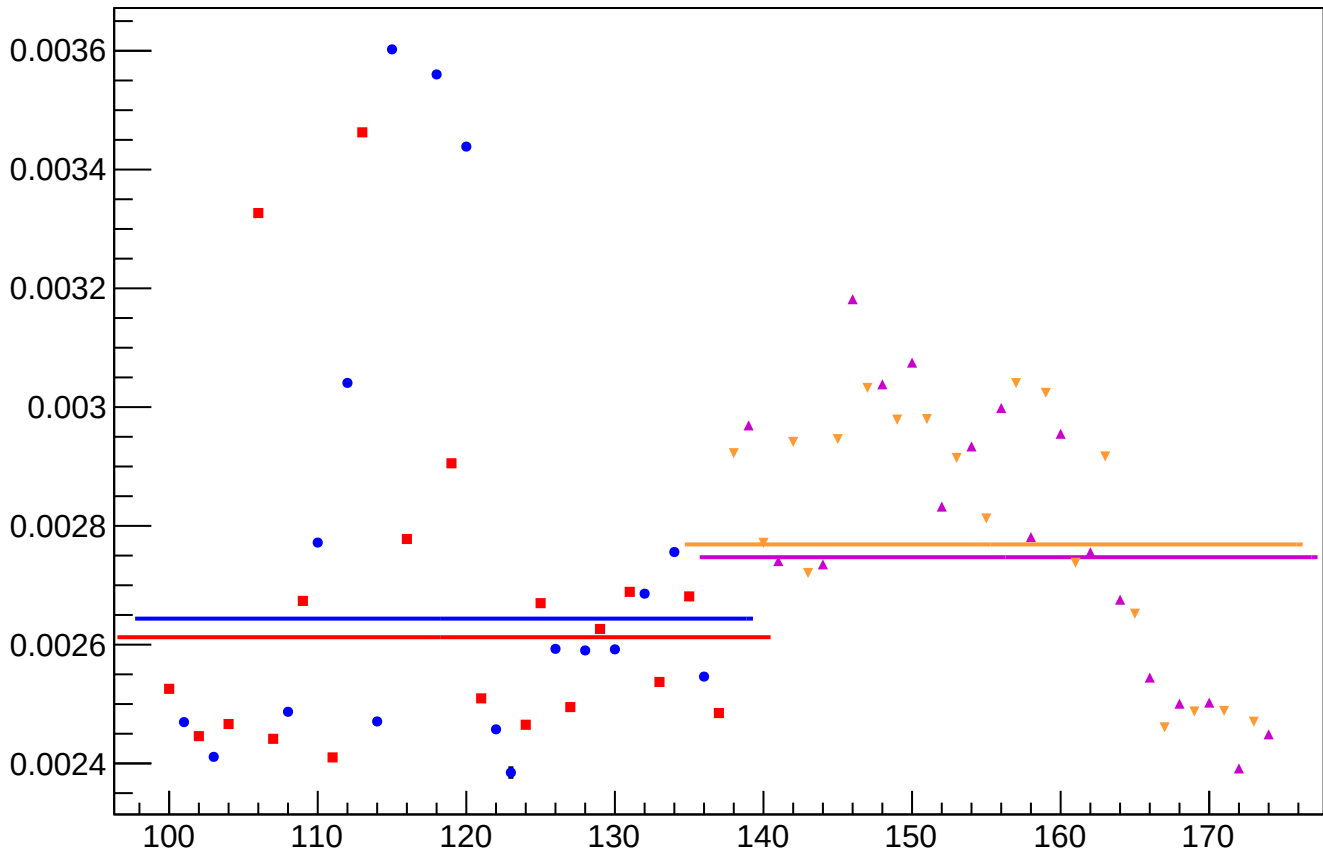
Left In: -1.817+/-0.000 χ^2/NDF : 153845642427.6/17

+ sign -1.755+/-0.000 χ^2/NDF : 343856333046.5/35

All: -1.744+/-0.000 χ^2/NDF : 675950102418.6

- 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 :155283.8/18

Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

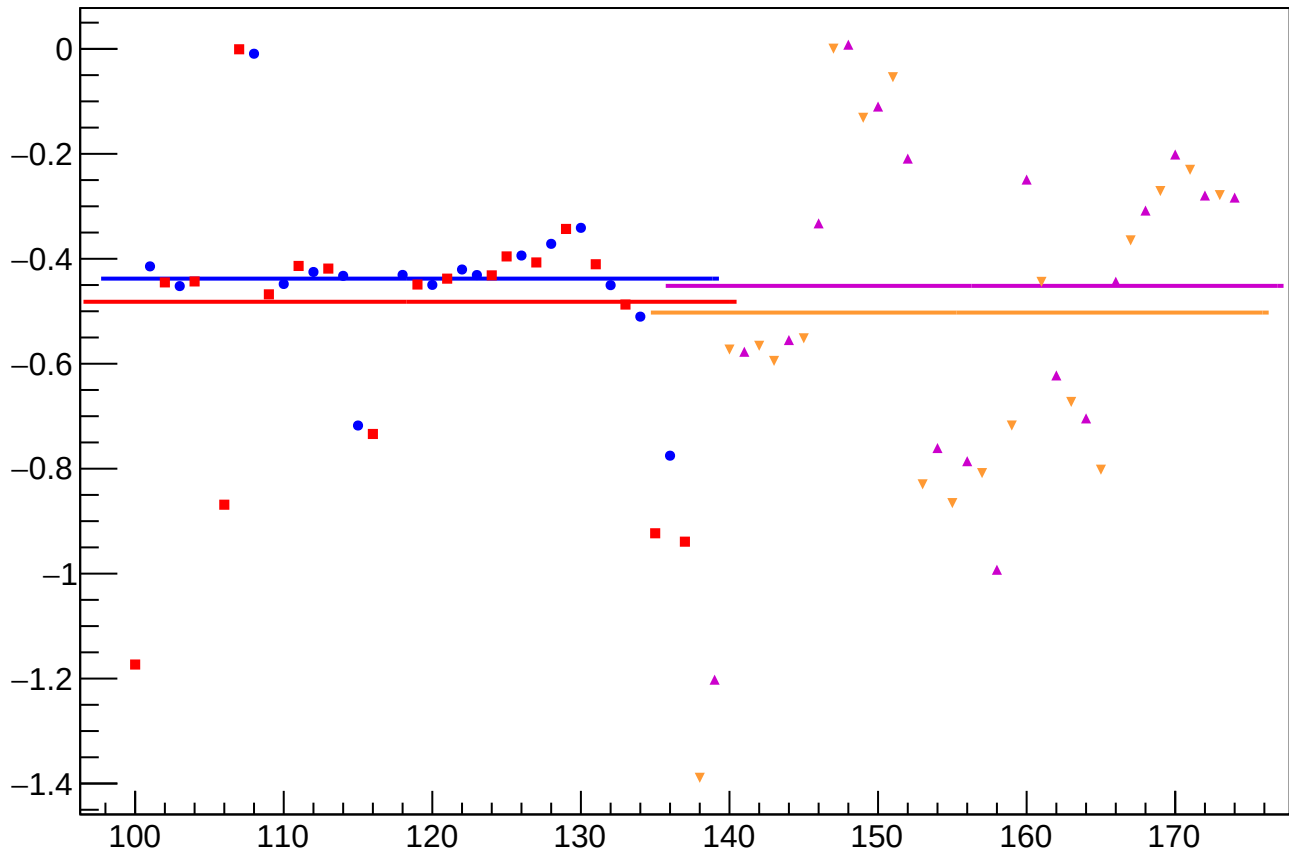
Left In: 0.003+/-0.000 χ^2/NDF :183297.5/17

+ sign 0.003+/-0.000 χ^2/NDF : 325185.3/35

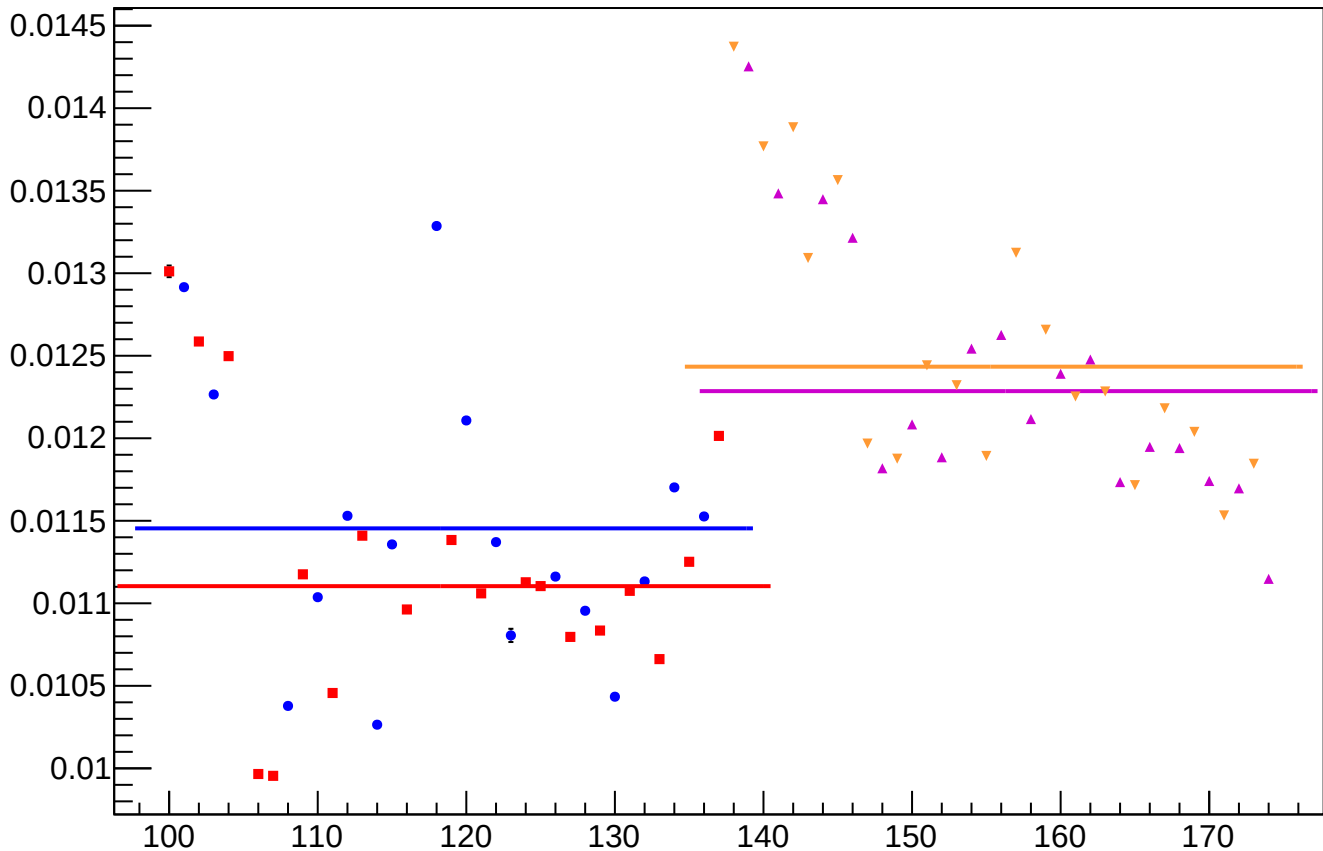
All: 0.003+/-0.000 χ^2/NDF : 638575.2/72

- sign 0.003+/-0.000 χ^2/NDF : 311395.2/36

yield_bpm0l07X_mean vs Slug



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 : 93498.4/18

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

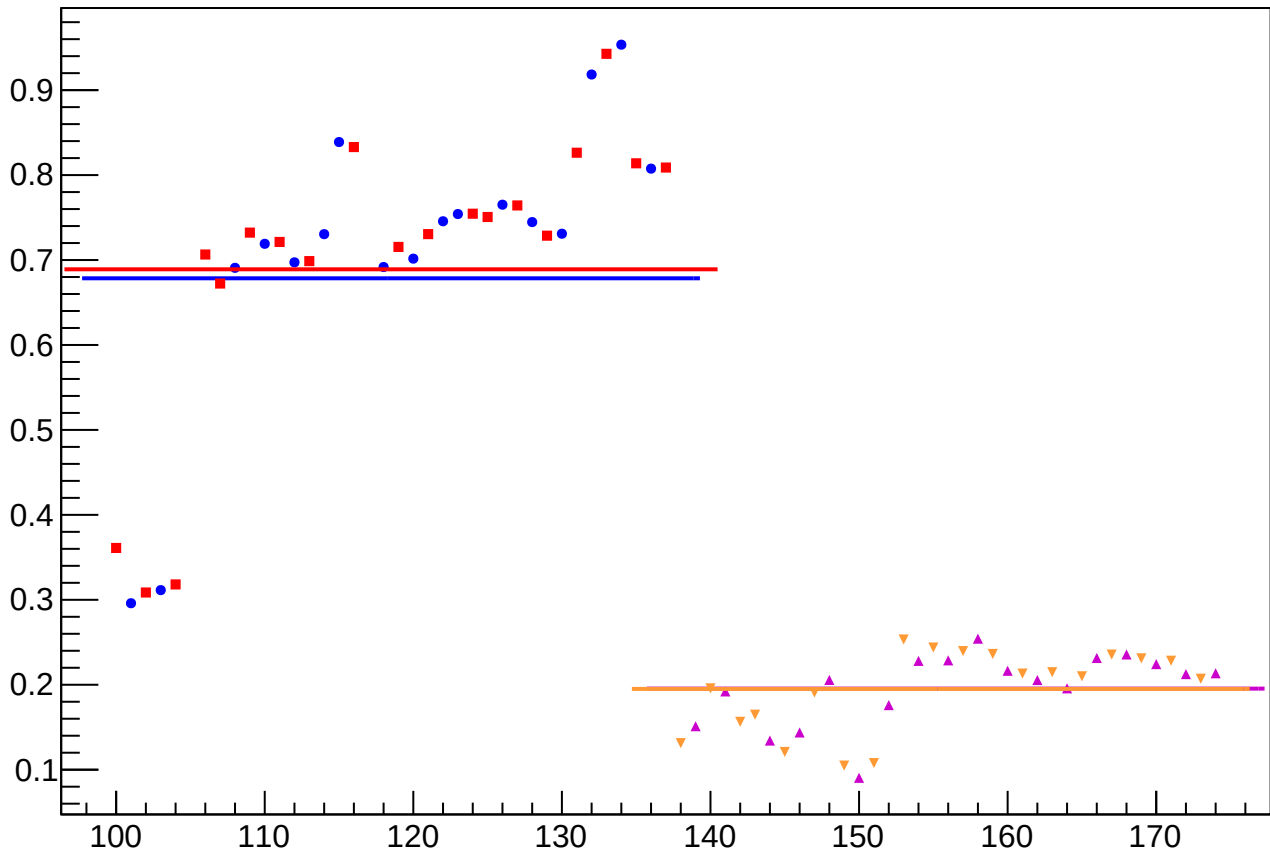
Left In: 0.012+/-0.000 χ^2/NDF : 90950.2/17

+ sign 0.012+/-0.000 χ^2/NDF : 218683.1/35

All: 0.012+/-0.000 χ^2/NDF : 470677.9/72

- 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: 0.195 $\pm$ 0.000 χ^2 /NDF: 6526918706.9/18

Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

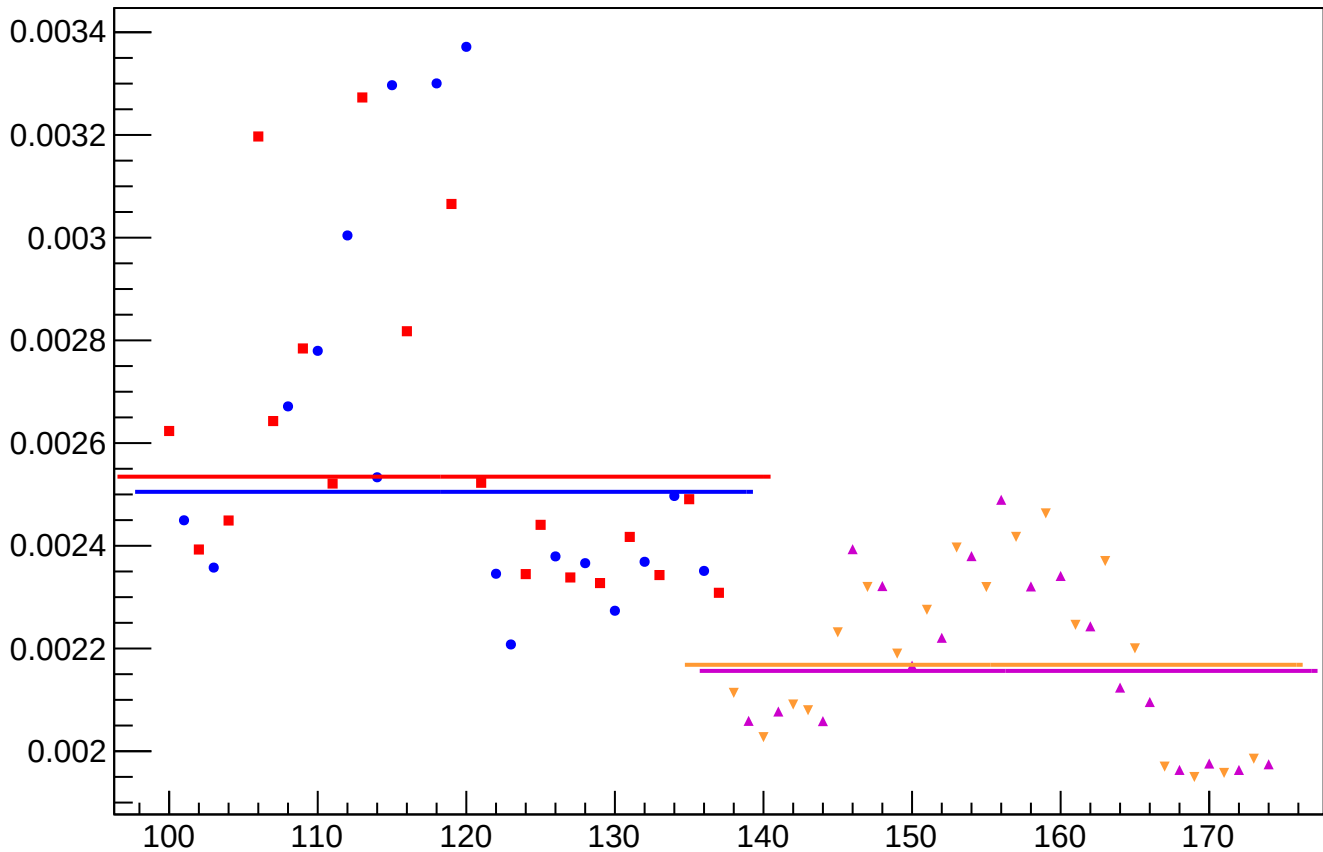
Left In: 0.195 $\pm$ 0.000 χ^2 /NDF: 5227297387.5/17

+ sign 0.318 $\pm$ 0.000 χ^2 /NDF: 221815209375.3/35

All: 0.321 $\pm$ 0.000 χ^2 /NDF: 450262814006.5

- 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 :163183.1/18

Right Out: 0.003+/-0.000 χ^2/NDF : 131609.0/18

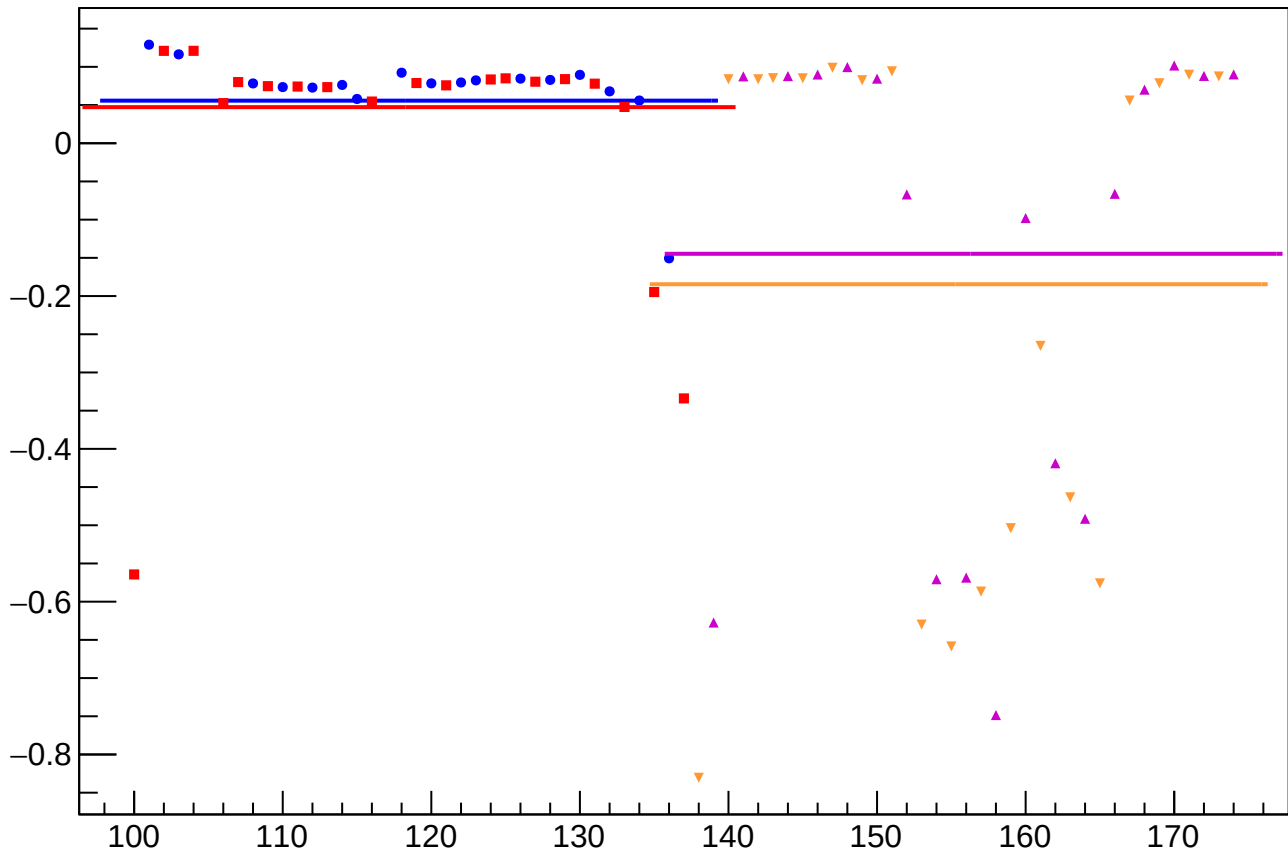
Left In: 0.002+/-0.000 χ^2/NDF :153698.7/17

+ sign 0.002+/-0.000 χ^2/NDF : 510366.1/35

All: 0.002+/-0.000 χ^2/NDF : 1016171.9/72

- sign 0.002+/-0.000 χ^2/NDF : 505801.1/36

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.185+/-0.000 χ^2/NDF : 11573467170.9/18

Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

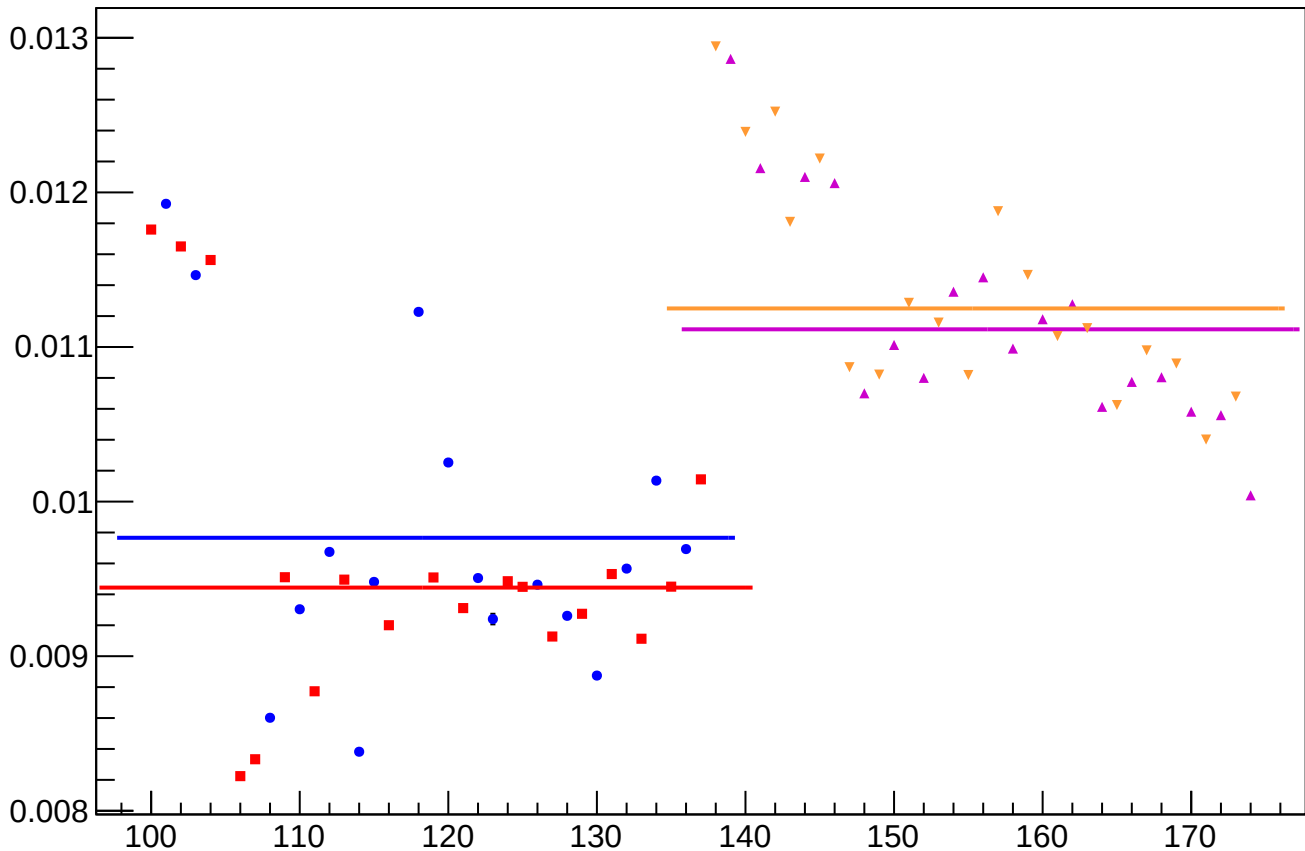
Left In: -0.145+/-0.000 χ^2/NDF : 9753837156.5/17

+ sign -0.091+/-0.000 χ^2/NDF : 14383722566.8/35

All: -0.078+/-0.000 χ^2/NDF : 26681263312.1/36

- sign -0.064+/-0.000 χ^2/NDF : 12231649496.0/36

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 116638.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 88382.6/18

Right Out: 0.009+/-0.000 χ^2/NDF : 110693.8/18

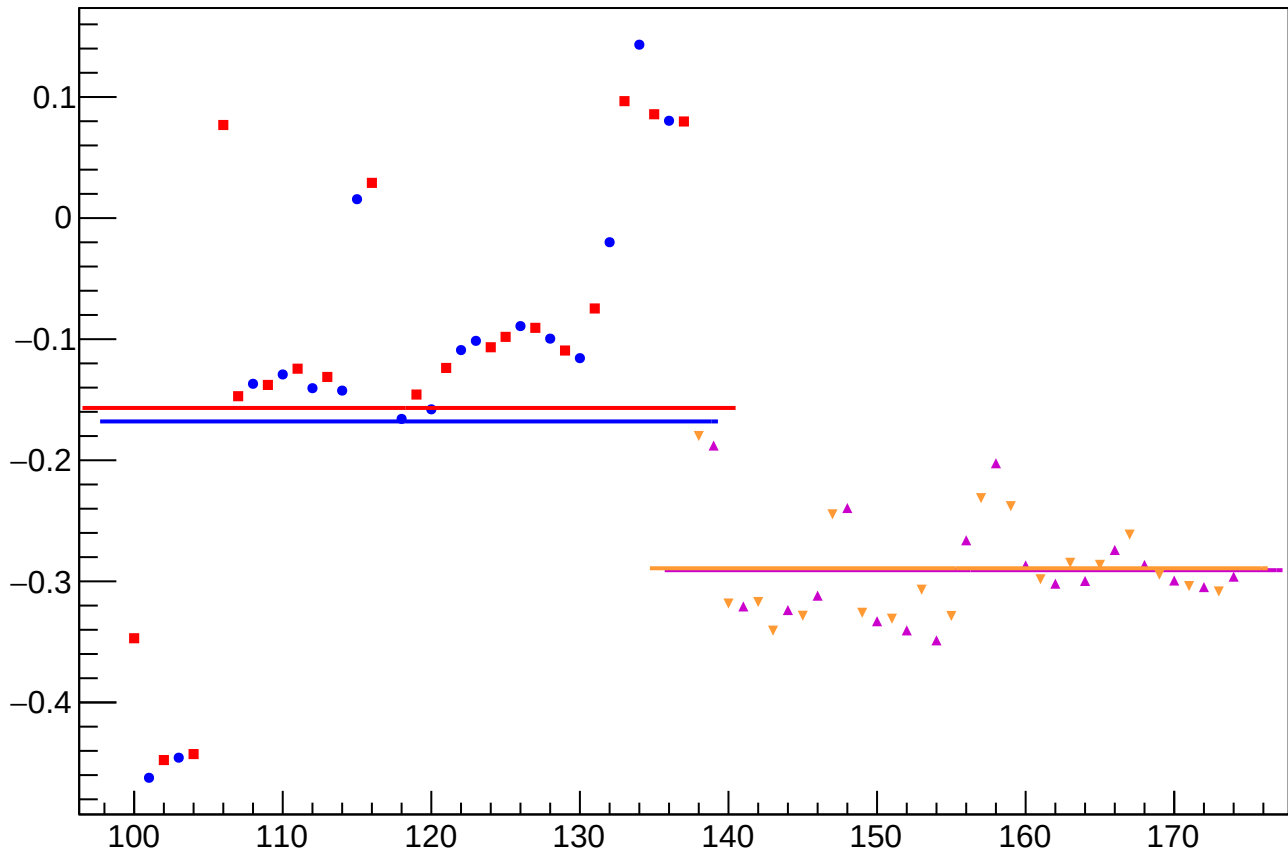
Left In: 0.011+/-0.000 χ^2/NDF : 91576.9/17

+ sign 0.011+/-0.000 χ^2/NDF : 386993.0/35

All: 0.011+/-0.000 χ^2/NDF : 852599.5/72

- sign 0.010+/-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: -0.289+/-0.000 χ^2/NDF : 2845959381.8/18

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

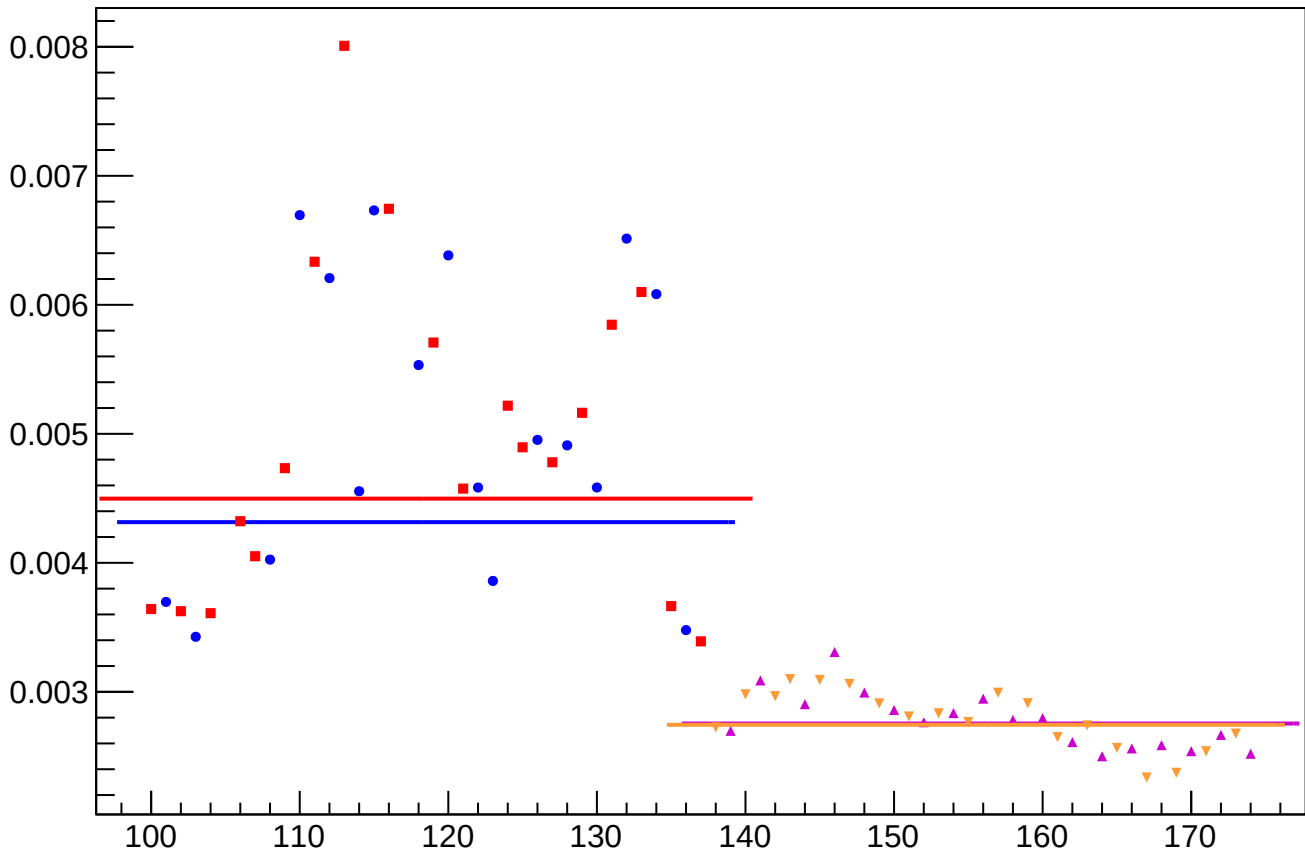
Left In: -0.291+/-0.000 χ^2/NDF : 3117717571.9/17

+ sign -0.271+/-0.000 χ^2/NDF : 19084285175.3/35

All: -0.271+/-0.000 χ^2/NDF : 37924293503.5/36

- 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:190389.5/18

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 649708.4/18

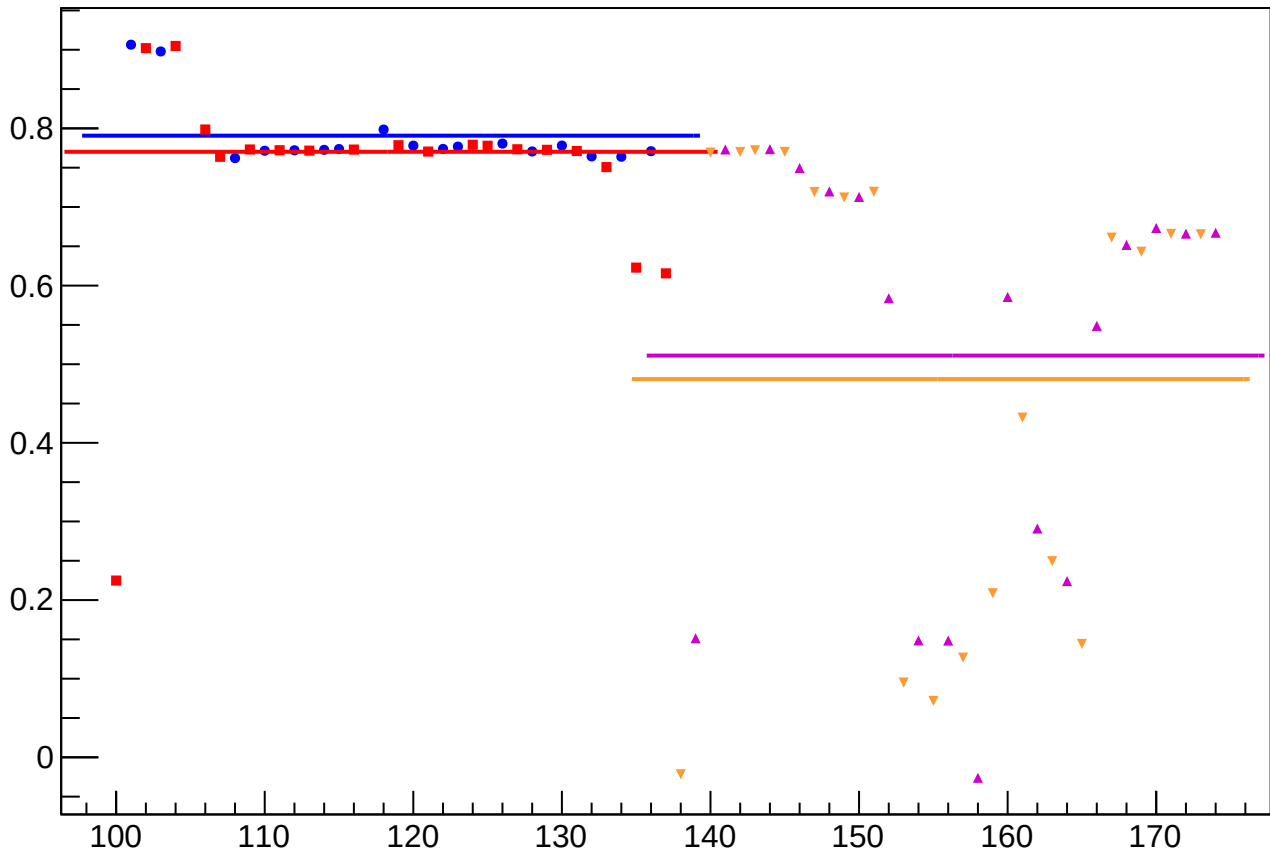
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:137405.6/17

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2121206.2/35

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4500830.2/72

- 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: 0.481 $\pm$ 0.000 χ^2 /NDF: 8793931102.0/18

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375442189.7/18

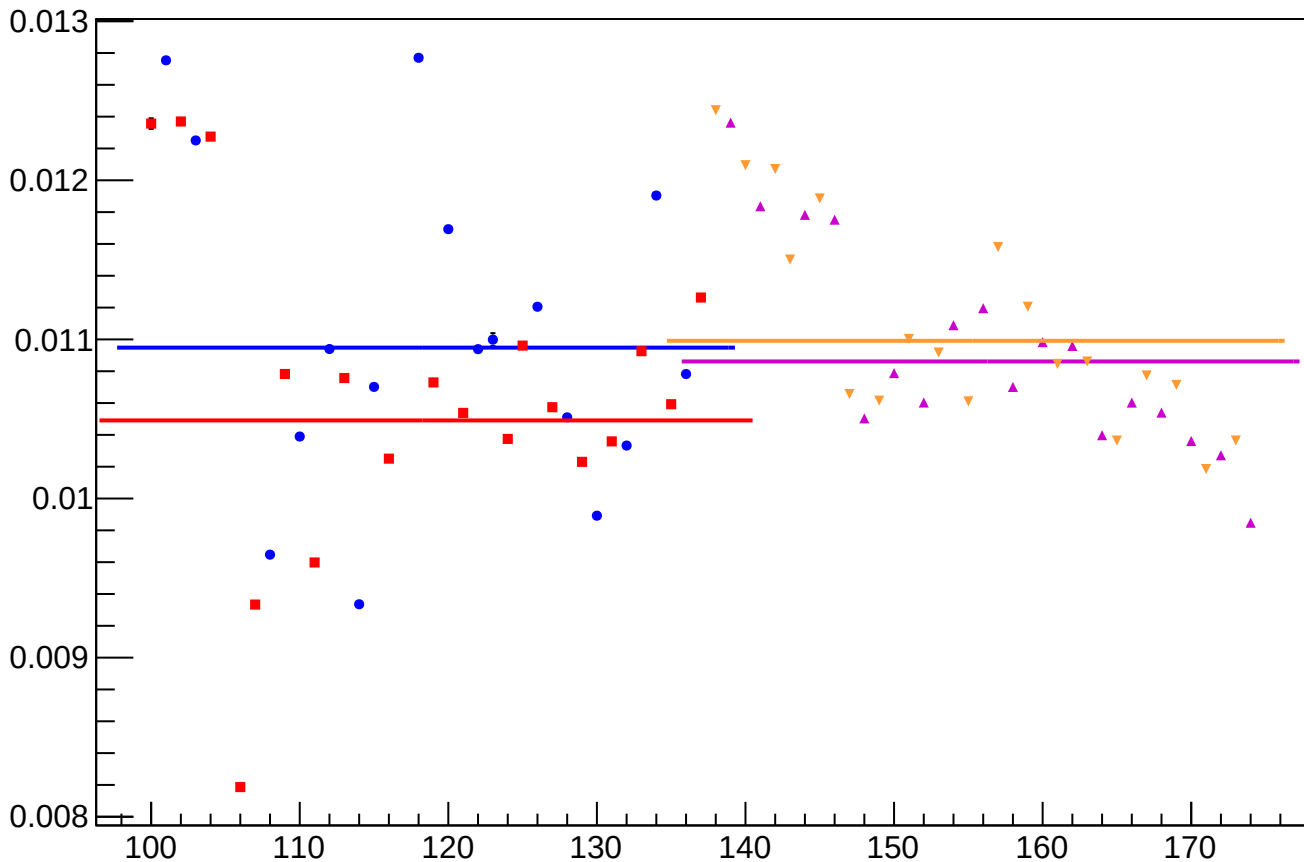
Left In: 0.511 $\pm$ 0.000 χ^2 /NDF: 7443702003.0/17

+ sign 0.581 $\pm$ 0.000 χ^2 /NDF: 12387704406.4/35

All: 0.593 $\pm$ 0.000 χ^2 /NDF: 22961131595.9/7

- sign 0.603 $\pm$ 0.000 χ^2 /NDF: 10531654234.5/36

yield_bpm0l09X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 98551.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 78945.1/18

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 119420.8/18

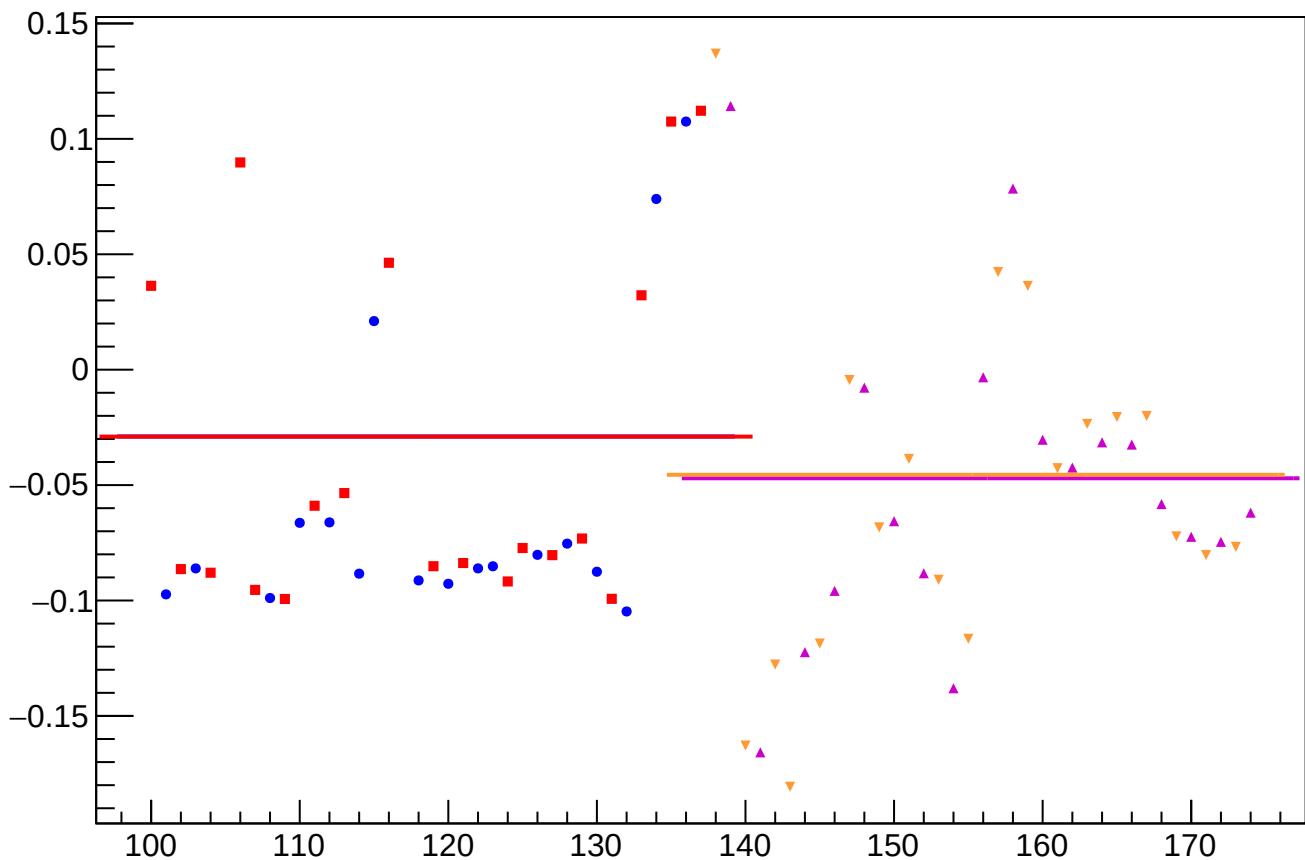
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 82540.4/17

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 177630.7/35

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 401193.1/72

- sign 0.011 $\pm$ 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: -0.046+/-0.000 χ^2/NDF : 7064973349.4/18

Right Out: -0.029+/-0.000 χ^2/NDF : 2113349669.8/18

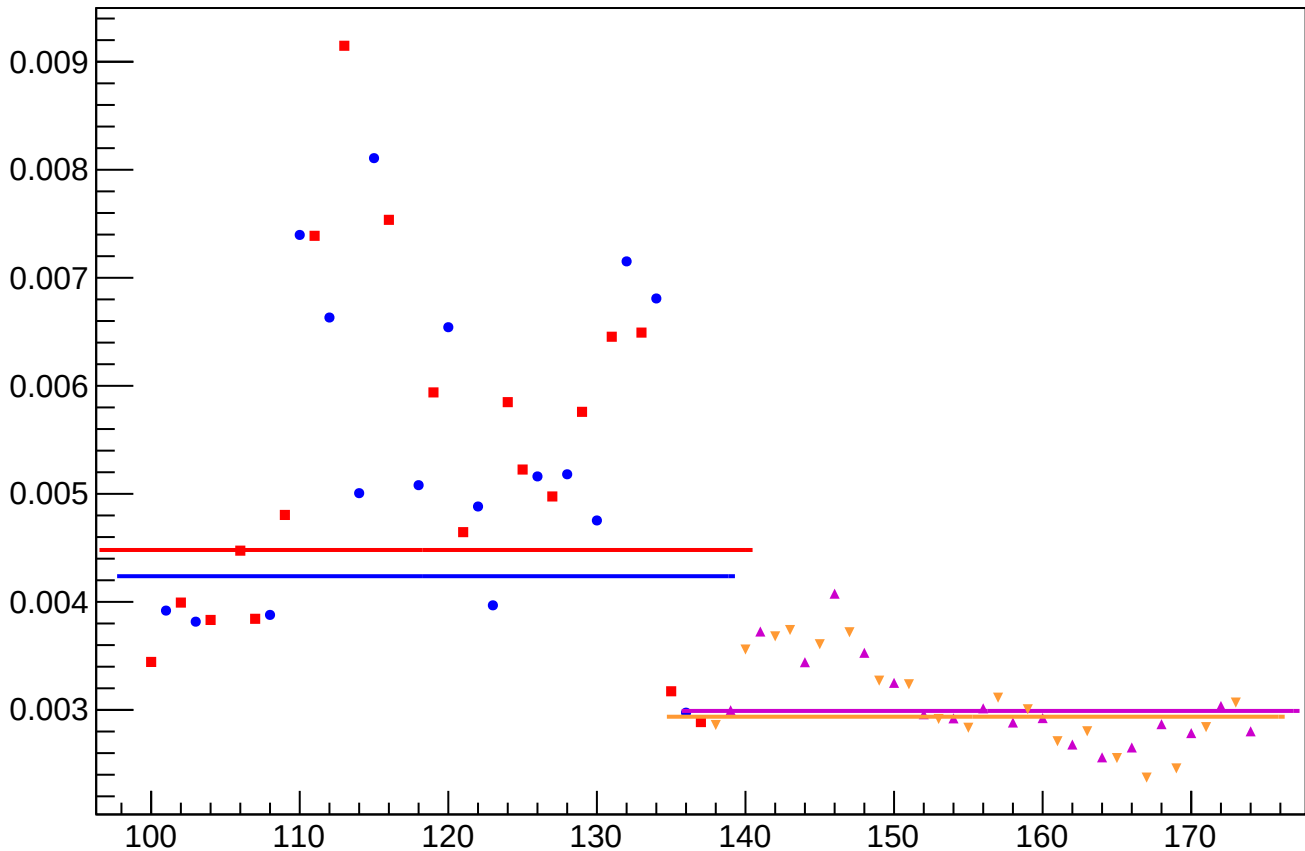
Left In: -0.047+/-0.000 χ^2/NDF : 6031643541.0/17

+ sign -0.043+/-0.000 χ^2/NDF : 9580791077.4/35

All: -0.043+/-0.000 χ^2/NDF : 17806178010.2/36

- 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:463988.4/18

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 984186.1/18

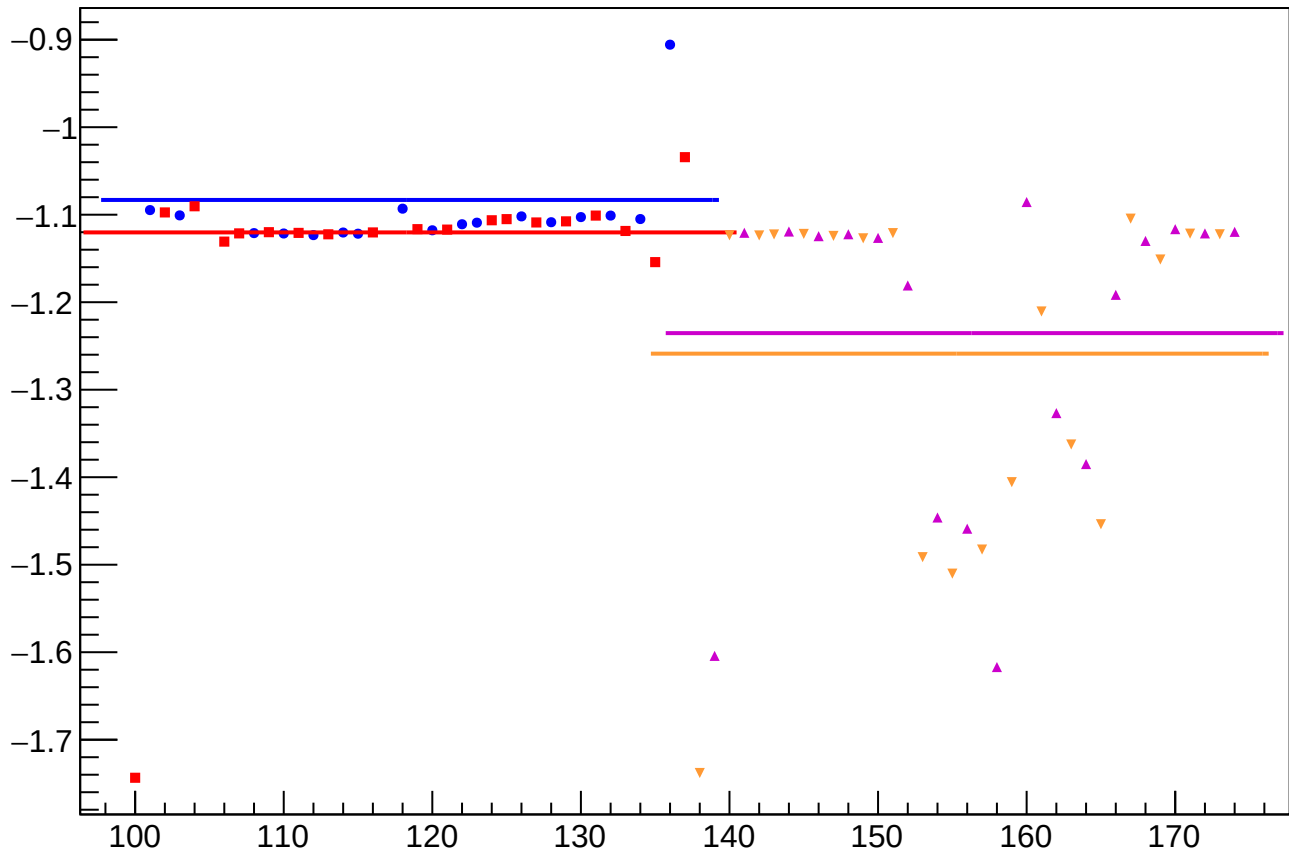
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:316064.0/17

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2204365.6/35

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4593315.7/72

- 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: -1.259 ± 0.000 χ^2/NDF : 4566342621.4/18

Right Out: -1.120 ± 0.000 χ^2/NDF : 220571280.7/18

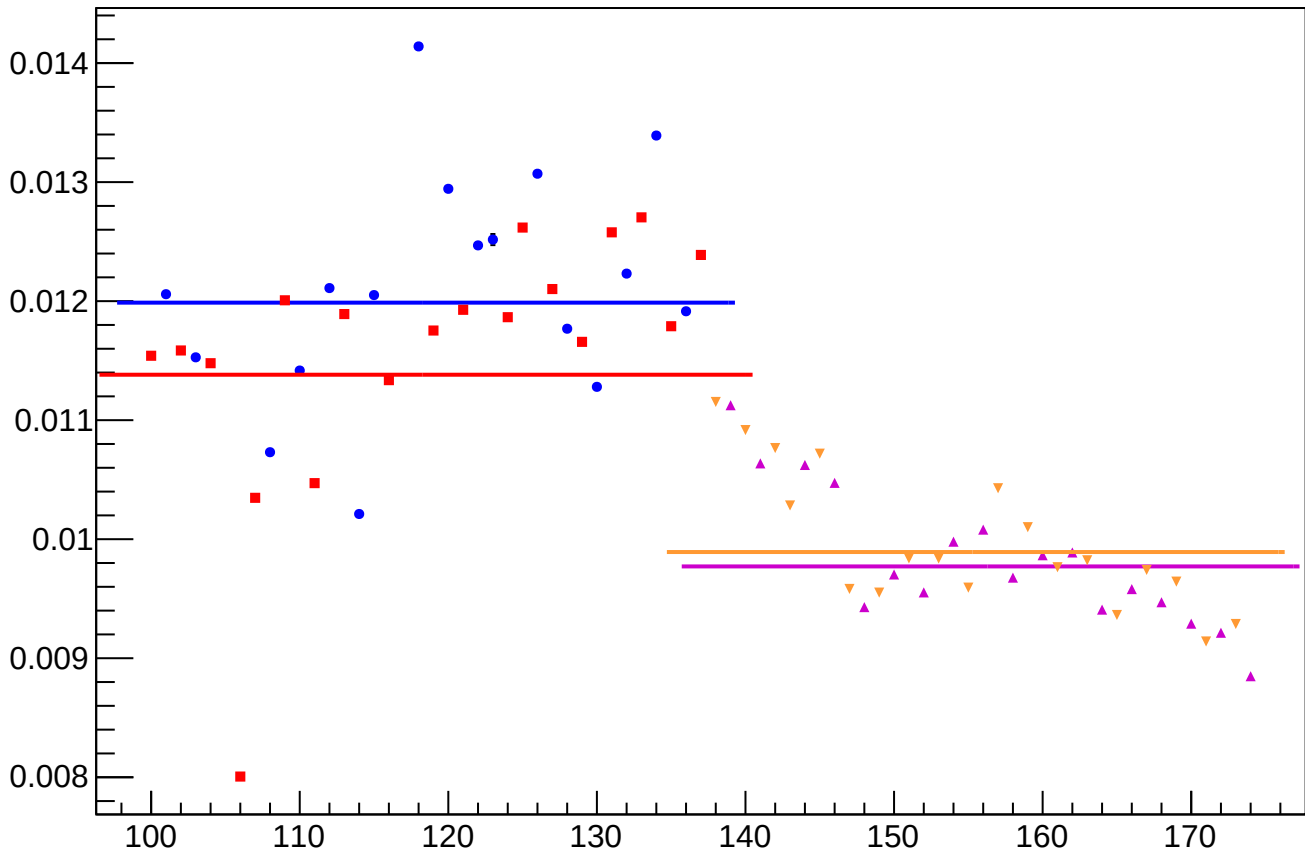
Left In: -1.235 ± 0.000 χ^2/NDF : 4089409937.7/17

+ sign -1.216 ± 0.000 χ^2/NDF : 5815584645.2/35

All: -1.210 ± 0.000 χ^2/NDF : 10648586613.5

- 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: 78270.6/18

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

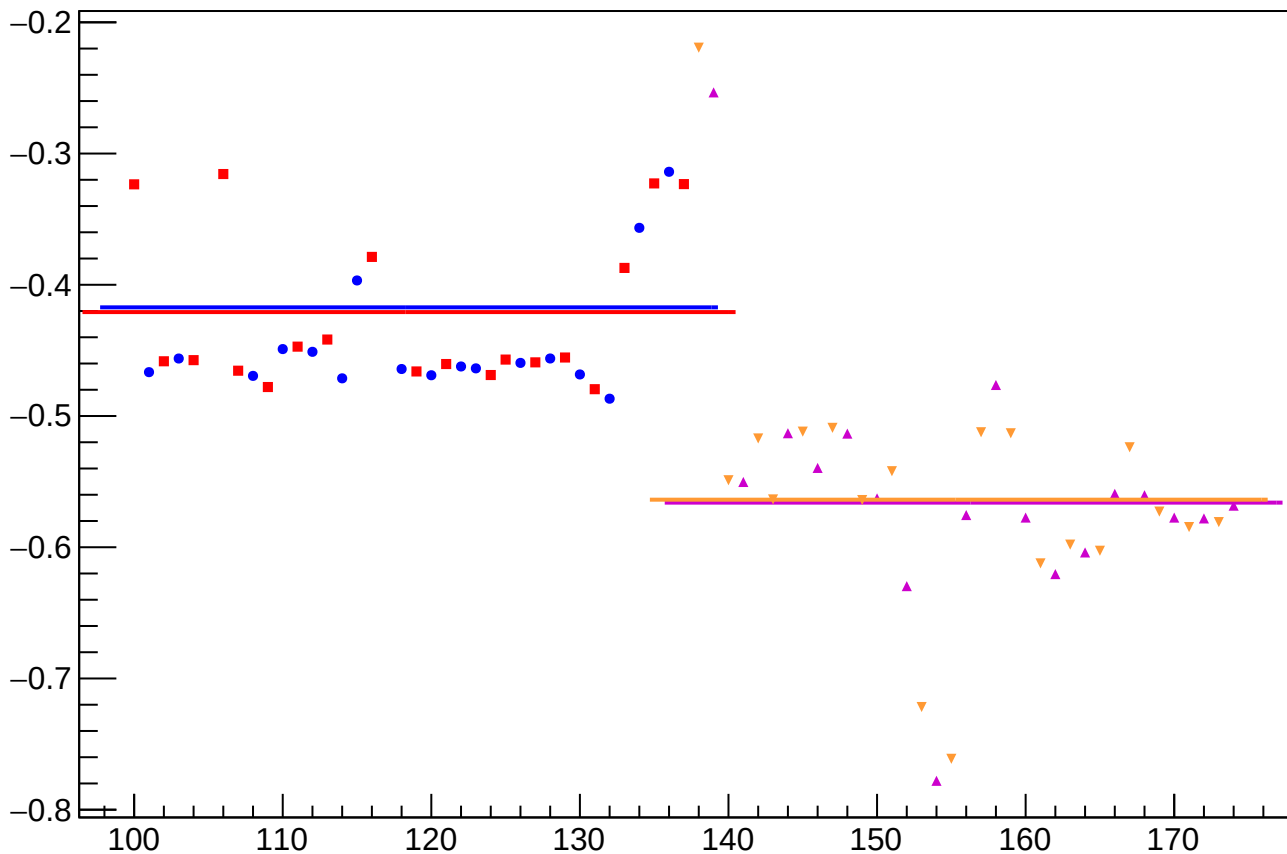
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 82288.3/17

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 436391.3/35

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 879314.2/72

- 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:13309758483.7/18

Right Out: -0.421+/-0.000 χ^2 /NDF: 1646463410.7/18

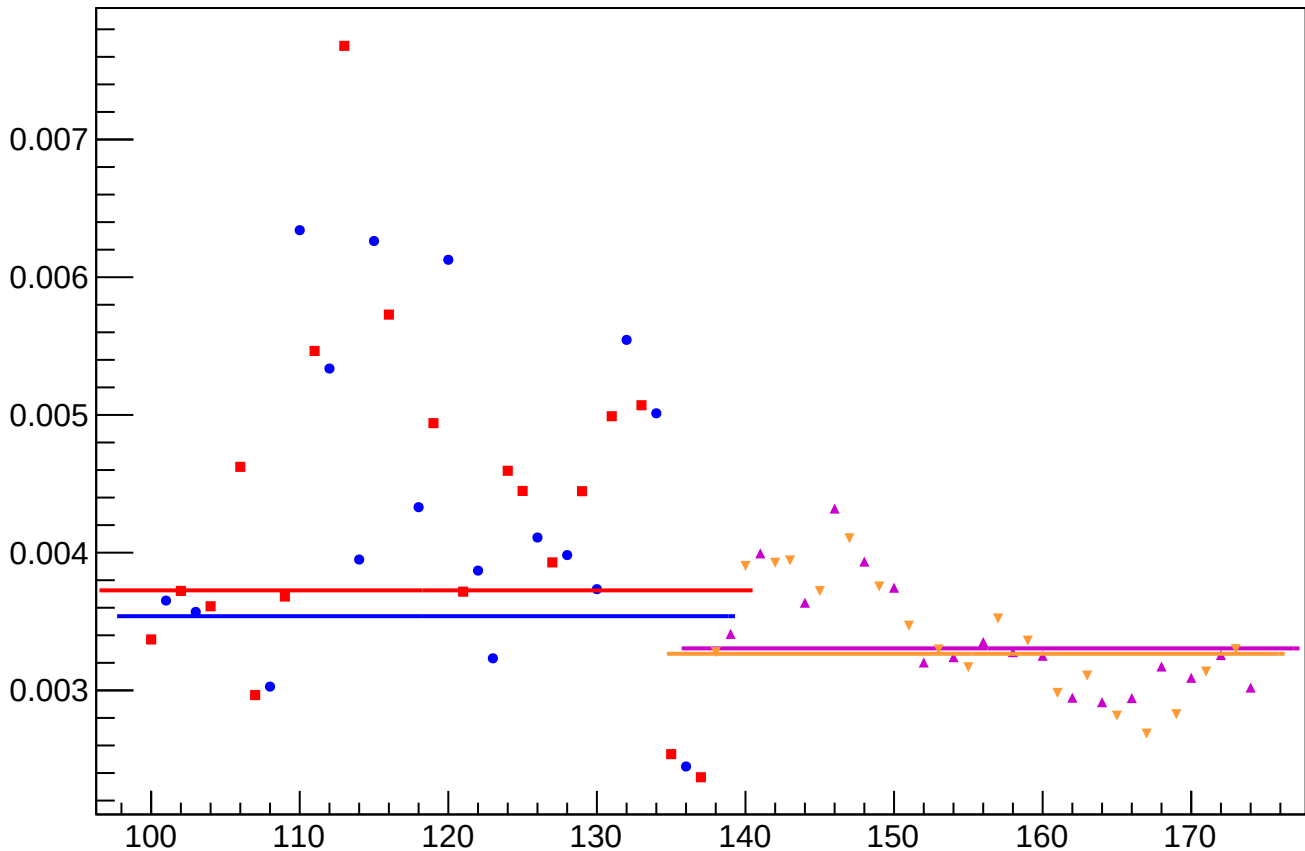
Left In: -0.566+/-0.000 χ^2 /NDF:10431883565.1/17

+ sign -0.526+/-0.000 χ^2 /NDF: 22248559464.8/35

All: -0.527+/-0.000 χ^2 /NDF: 40887423320.4/36

- 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:372640.2/18

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 898447.6/18

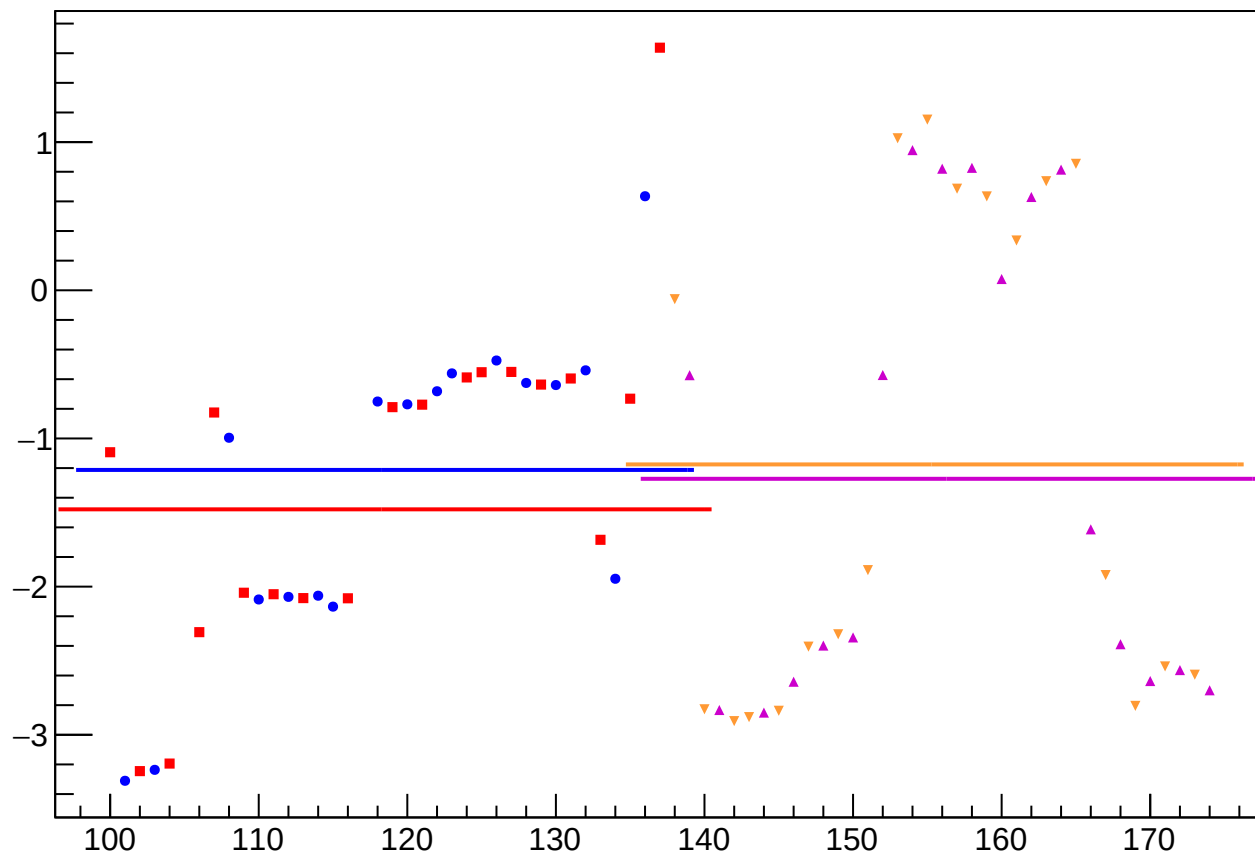
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:276224.6/17

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1256628.3/35

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2551817.2/72

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1285047.5/36

yield_bpm0r03X_mean vs Slug



Right In: -1.212 $\pm$ 0.000 χ^2 /NDF: 1992853443.9/16

Left Out: -1.175 $\pm$ 0.000 χ^2 /NDF: 6395704300.6/18

Right Out: -1.478 $\pm$ 0.000 χ^2 /NDF: 1578264383.8/18

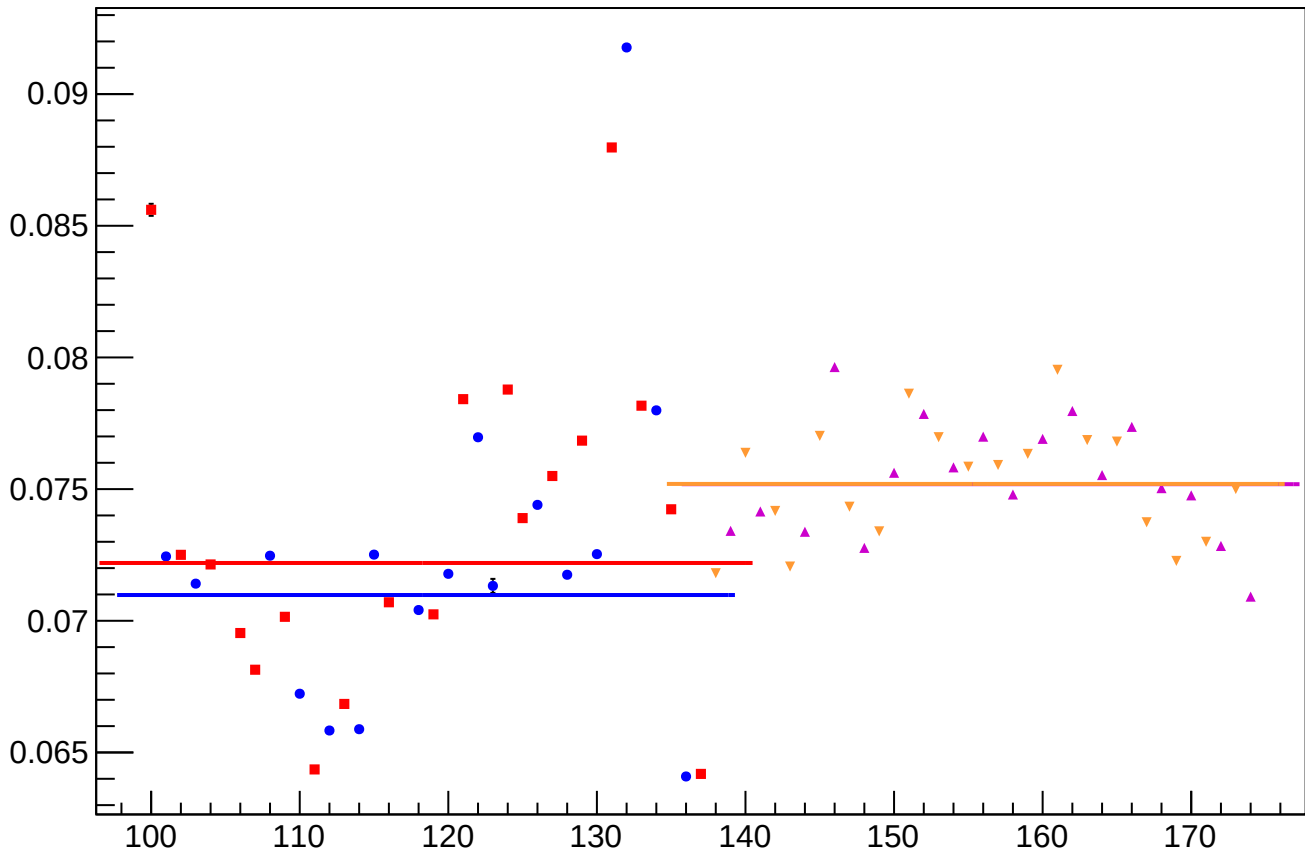
Left In: -1.272 $\pm$ 0.000 χ^2 /NDF: 5498741569.5/17

+ sign -1.188 $\pm$ 0.000 χ^2 /NDF: 8389741402.4/35

All: -1.267 $\pm$ 0.000 χ^2 /NDF: 15549987410.6/36

- sign -1.346 $\pm$ 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 : 23115.2/18

Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

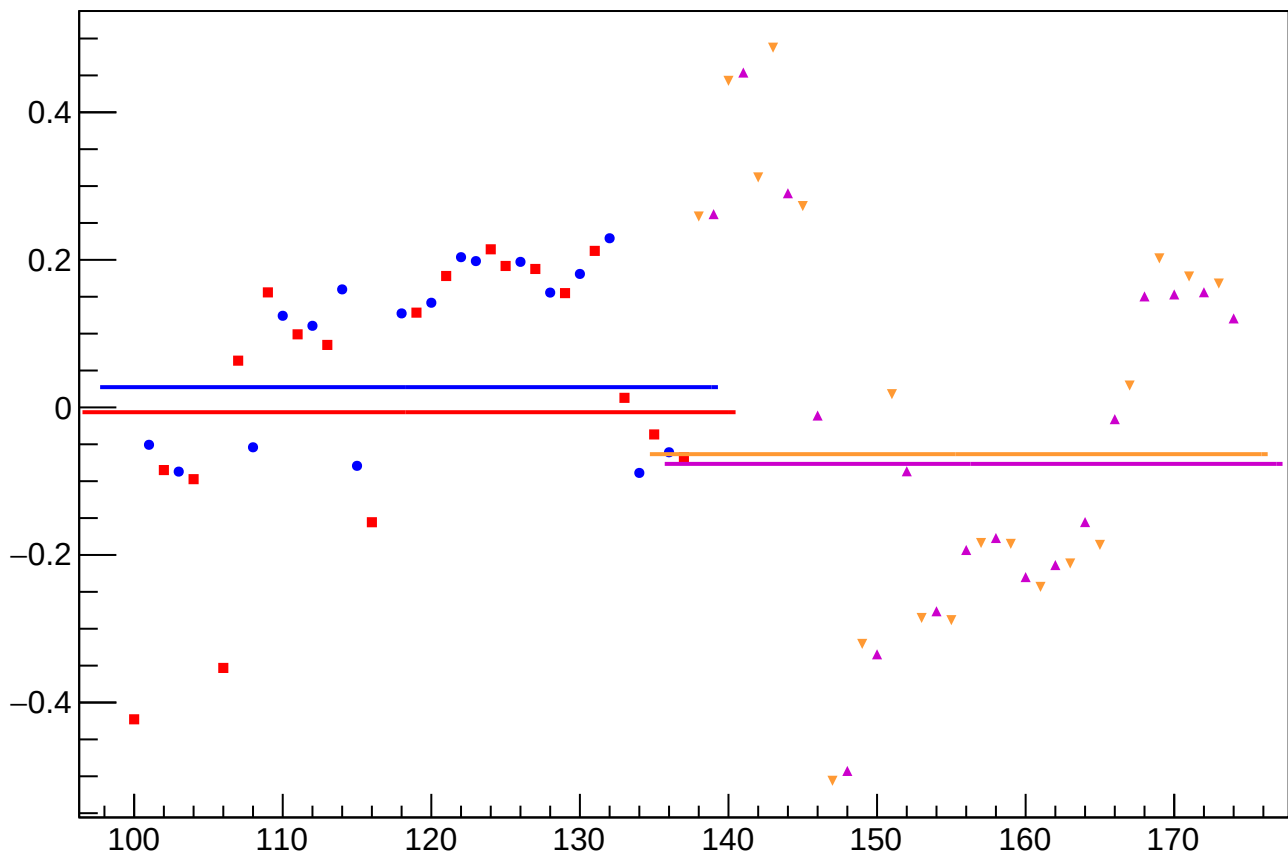
Left In: 0.075+/-0.000 χ^2/NDF : 21865.5/17

+ sign 0.074+/-0.000 χ^2/NDF : 131073.9/35

All: 0.074+/-0.000 χ^2/NDF : 242108.4/72

- 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: -0.063+/-0.000 χ^2/NDF : 18043537075.1/18

+ sign -0.052+/-0.000 χ^2/NDF : 18922552412.1/35

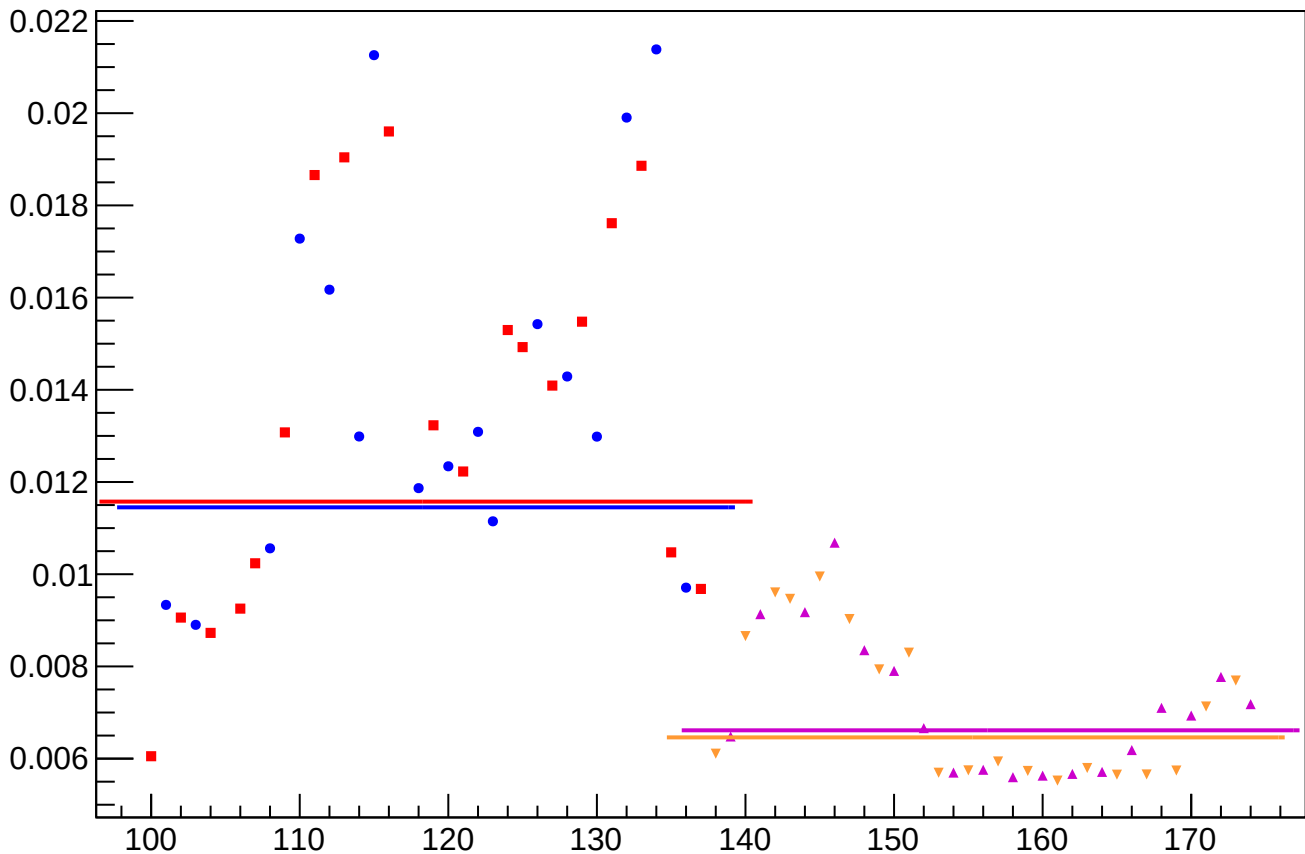
Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

All: -0.059+/-0.000 χ^2/NDF : 34143073448.8

Left In: -0.077+/-0.000 χ^2/NDF : 13793139955.9/17

- sign -0.067+/-0.000 χ^2/NDF : 15180933642.0/36

yield_bpm0r03Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 679628.0/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:978937.2/18

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 997161.1/18

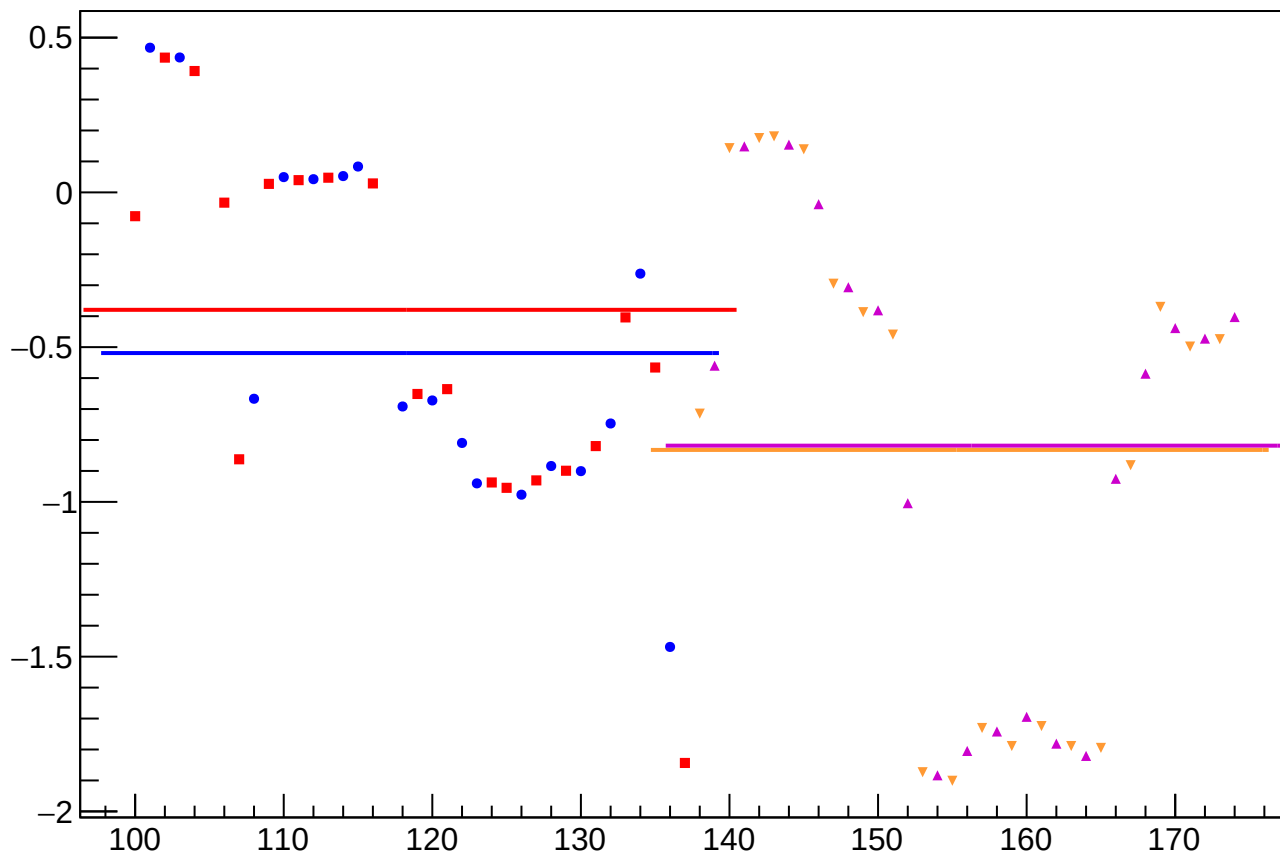
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:837939.1/17

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3570709.7/35

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7309488.2/72

- sign 0.007 $\pm$ 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: -0.832 ± 0.000 χ^2/NDF : 1064700725.7/18

Right Out: -0.379 ± 0.000 χ^2/NDF : 268621179.0/18

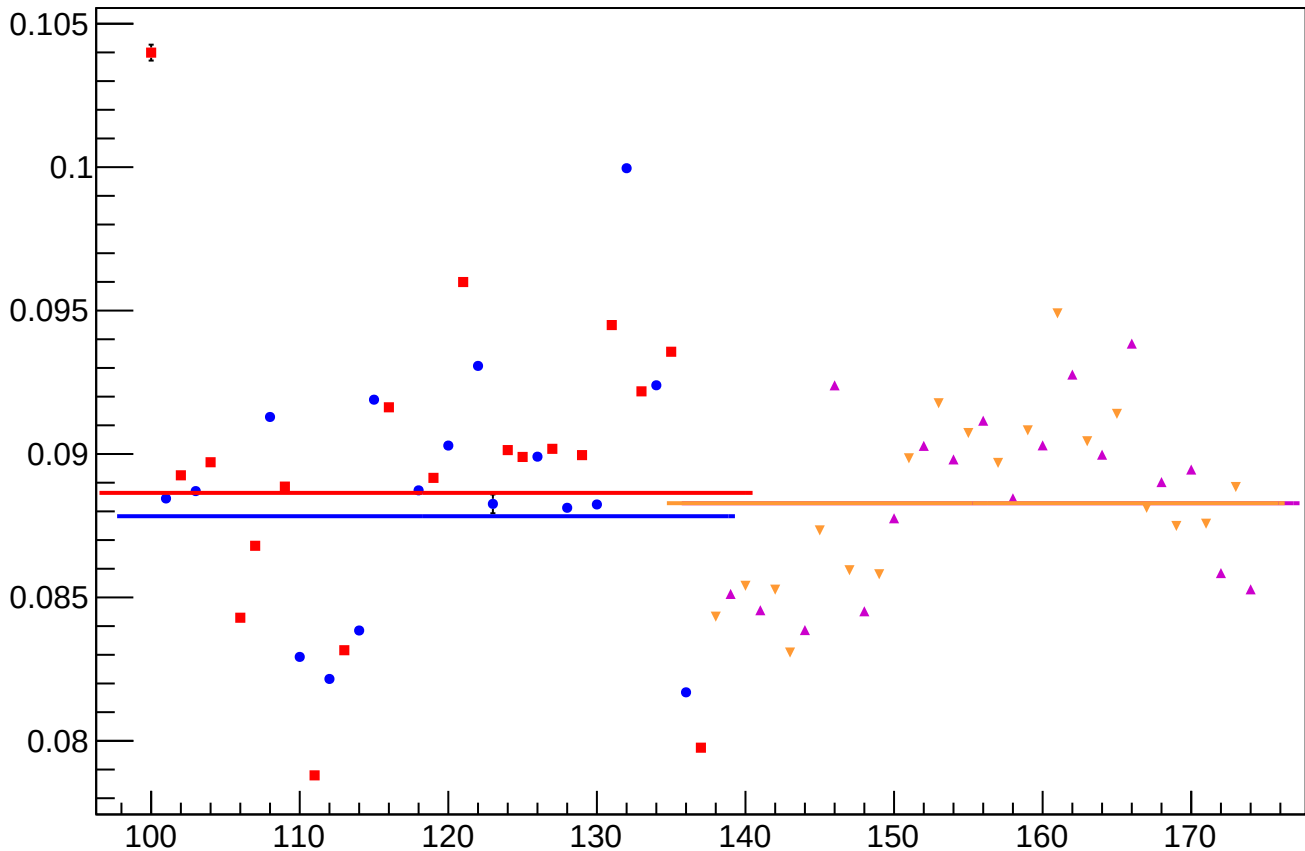
Left In: -0.818 ± 0.000 χ^2/NDF : 917797243.4/17

+ sign -0.731 ± 0.000 χ^2/NDF : 1461498307.5/35

All: -0.701 ± 0.000 χ^2/NDF : 2768018240.3/7

- 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:29679.0/18

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 39722.9/18

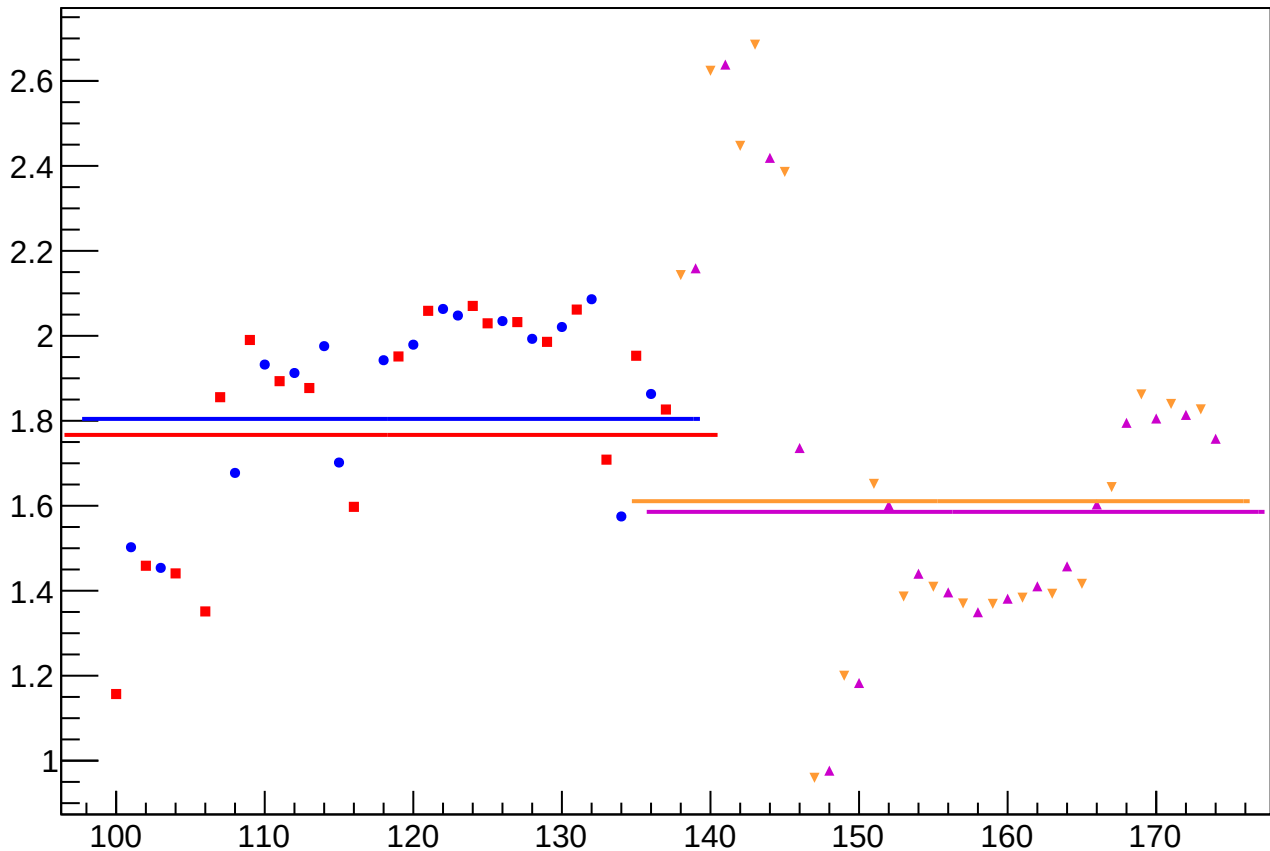
Left In: 0.088 $\pm$ 0.000 χ^2 /NDF:31008.8/17

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 64875.0/35

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 135953.8/72

- 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: 1.611 $\pm$ 0.000 χ^2 /NDF: 25098637901.3/18

Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1709259284.5/18

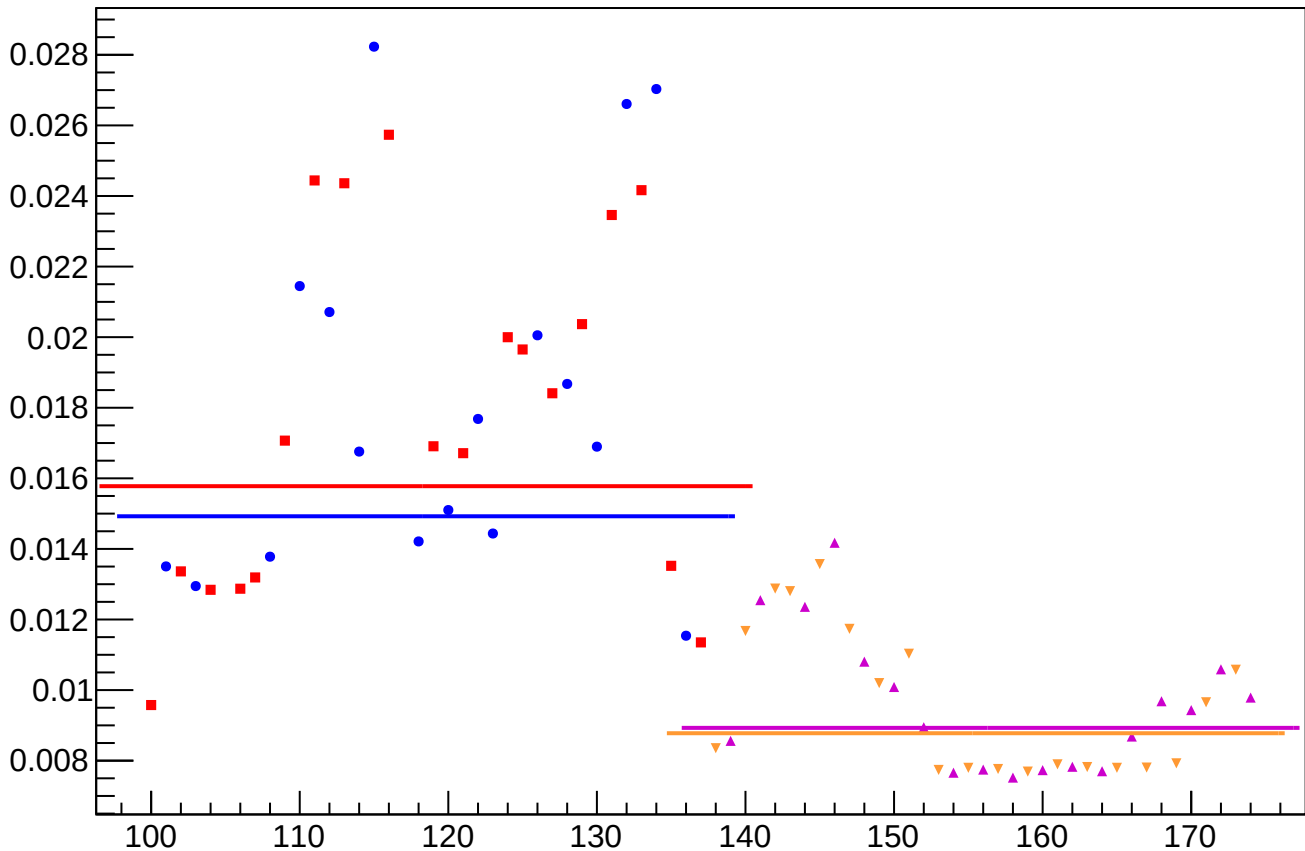
Left In: 1.586 $\pm$ 0.000 χ^2 /NDF: 19504743531.7/17

+ sign 1.636 $\pm$ 0.000 χ^2 /NDF: 27096370327.4/35

All: 1.623 $\pm$ 0.000 χ^2 /NDF: 49070477363.5/7

- sign 1.609 $\pm$ 0.000 χ^2 /NDF: 21905044552.2/36

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.009+/-0.000 χ^2/NDF : 899627.5/18

Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

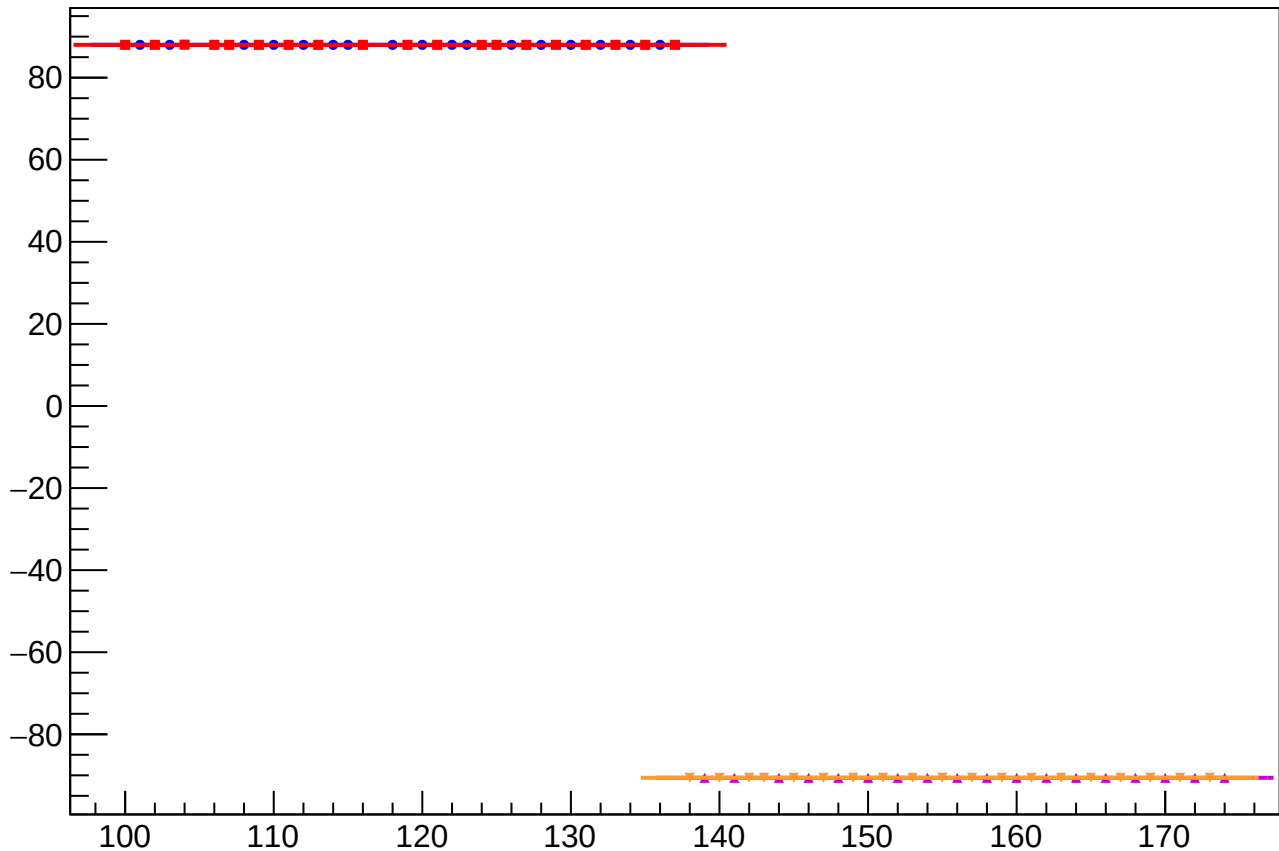
Left In: 0.009+/-0.000 χ^2/NDF : 791725.8/17

+ sign 0.010+/-0.000 χ^2/NDF : 3237692.1/35

All: 0.010+/-0.000 χ^2/NDF : 6801733.8/72

- sign 0.010+/-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: 5502891.7/18

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77545892857504626270604886016.0/18

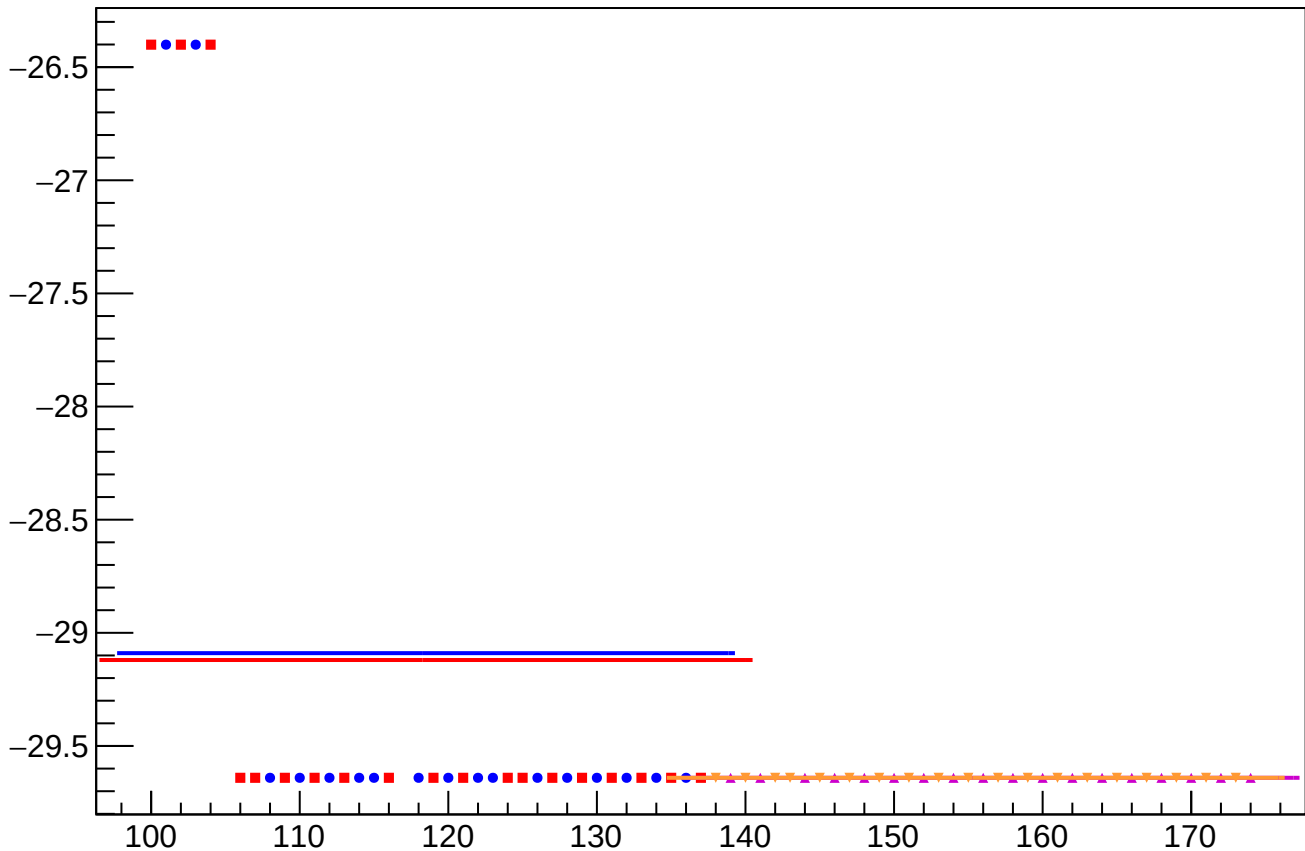
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5440893.6/17

+ sign -33.216 $\pm$ 0.000 χ^2 /NDF: 150245889332592

All: -32.031 $\pm$ 0.000 χ^2 /NDF: 303562428629

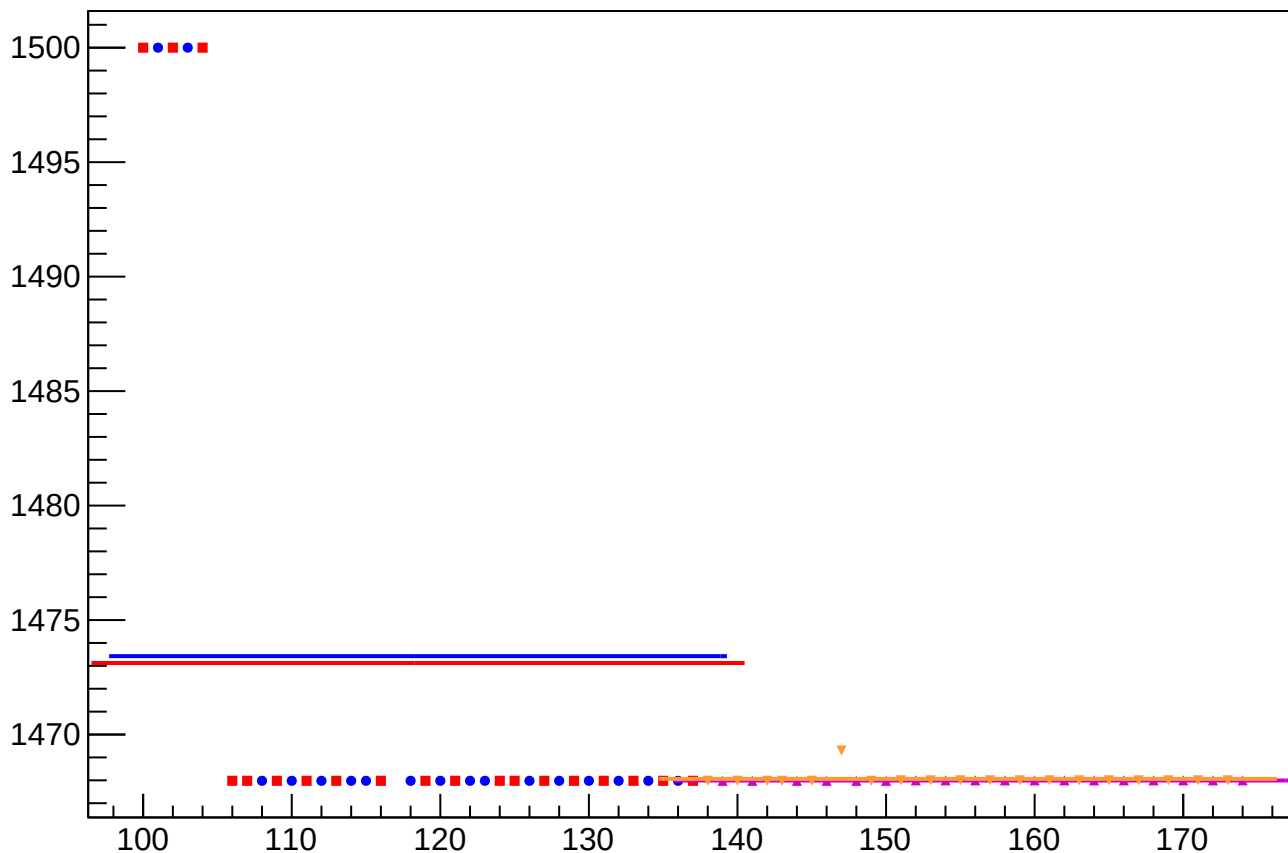
- sign -30.844 $\pm$ 0.000 χ^2 /NDF: 1532558296892264

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 : 258670.6/18 + sign -29.464+/-0.000 χ^2/NDF : 117104615999998
 Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18 All: -29.465+/-0.000 χ^2/NDF : 232331969096
 Left In: -29.641+/-0.000 χ^2/NDF : 155348.8/17 - sign -29.467+/-0.000 χ^2/NDF : 1152264831881349

epics_psub_pl_poss_mean vs Slug



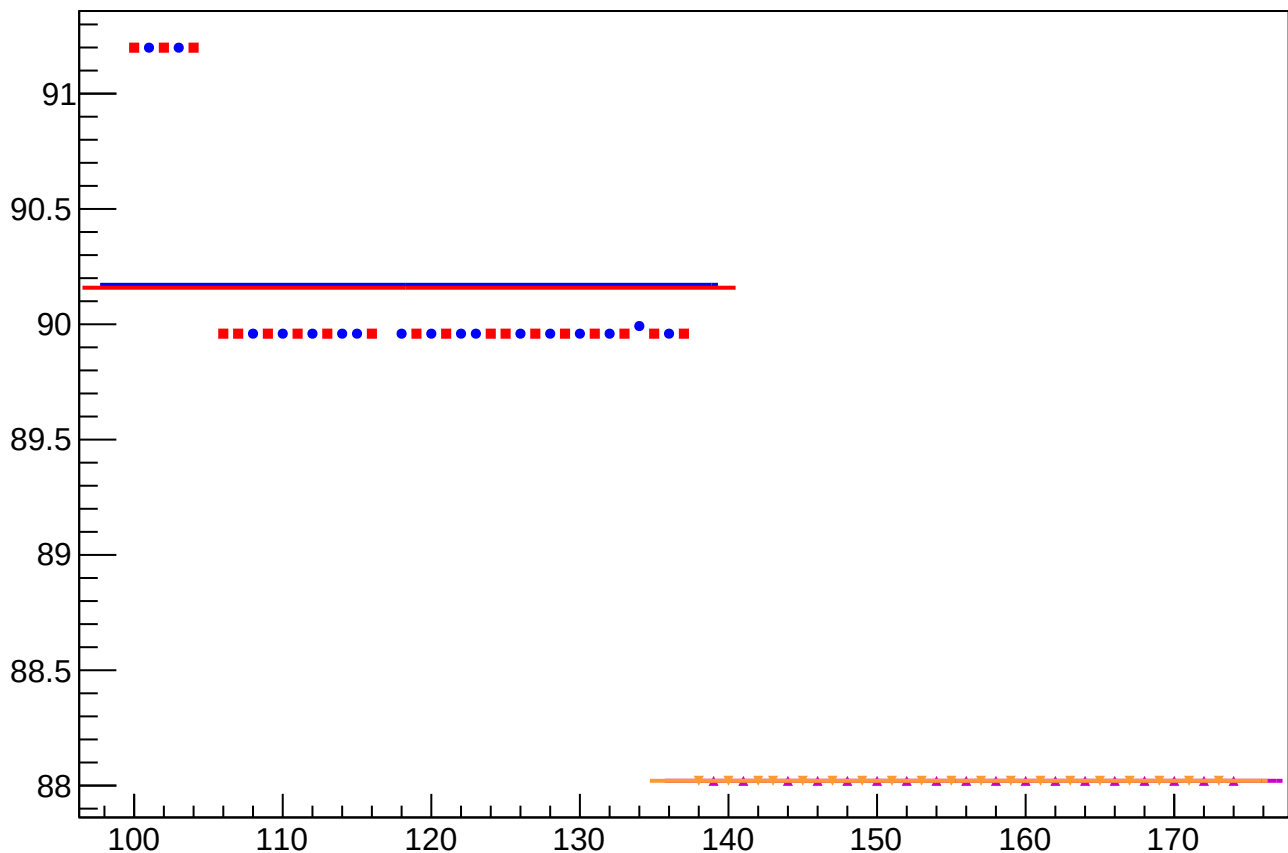
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.063+/-0.000 χ^2/NDF : 126569281055902355463298139291648.0/18 + sign 1469.785+/-0.000 χ^2/NDF : 11408641204057

Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18 All: 1469.747+/-0.000 χ^2/NDF : 22657784802

Left In: 1467.992+/-0.000 χ^2/NDF : 130483286879215846025127264256.0/17 - 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 : 4417621.1/18

Right Out: 90.159+/-0.000 χ^2/NDF : 149705165651000025160777180643328.0/18

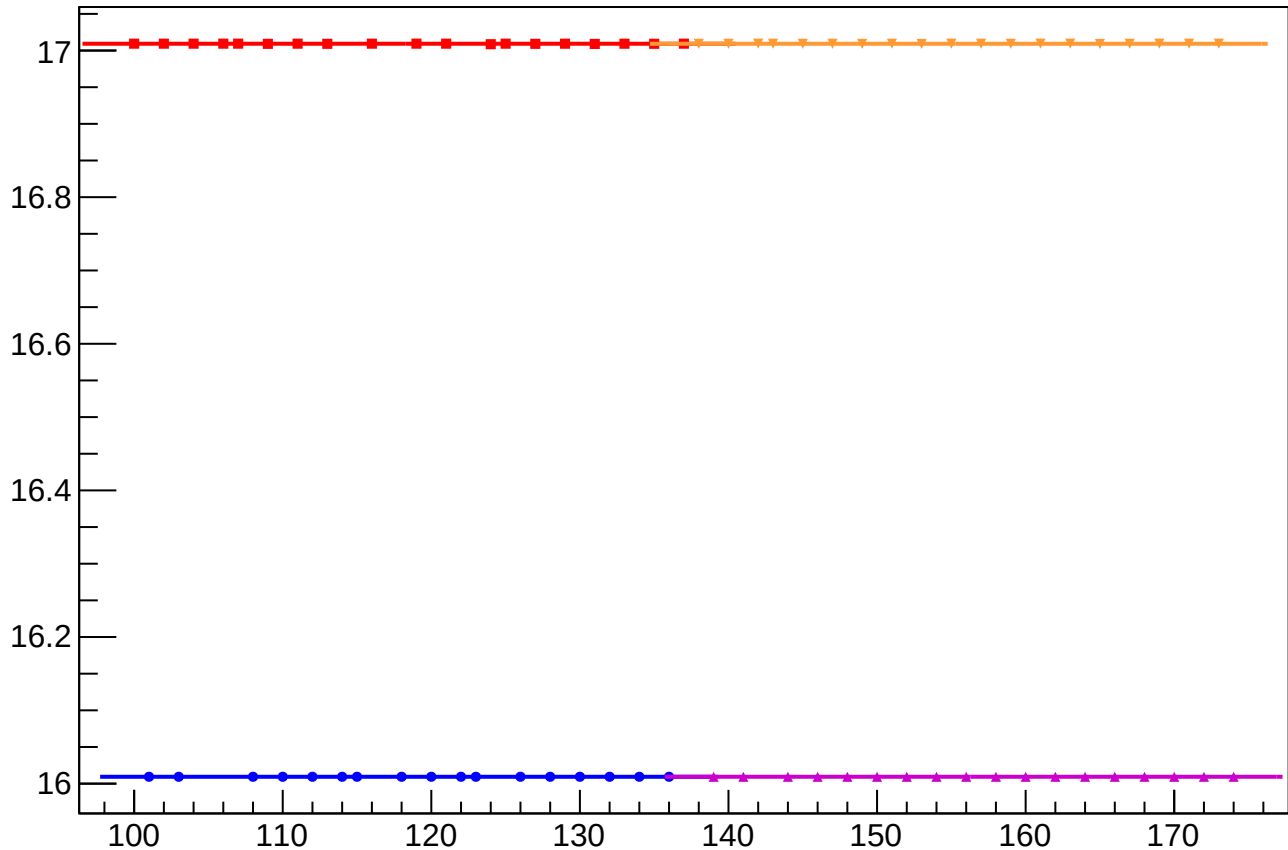
Left In: 88.021+/-0.000 χ^2/NDF : 5327600.5/17

+ sign 88.712+/-0.000 χ^2/NDF : 2328478616412830

All: 88.724+/-0.000 χ^2/NDF : 4674566422805

- sign 88.736+/-0.000 χ^2/NDF : 2345449179678942

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 44327.7/16

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 21839043527388586531880960.0/18

+ sign 16.680 $\pm$ 0.000 χ^2 /NDF: 4438580603847811

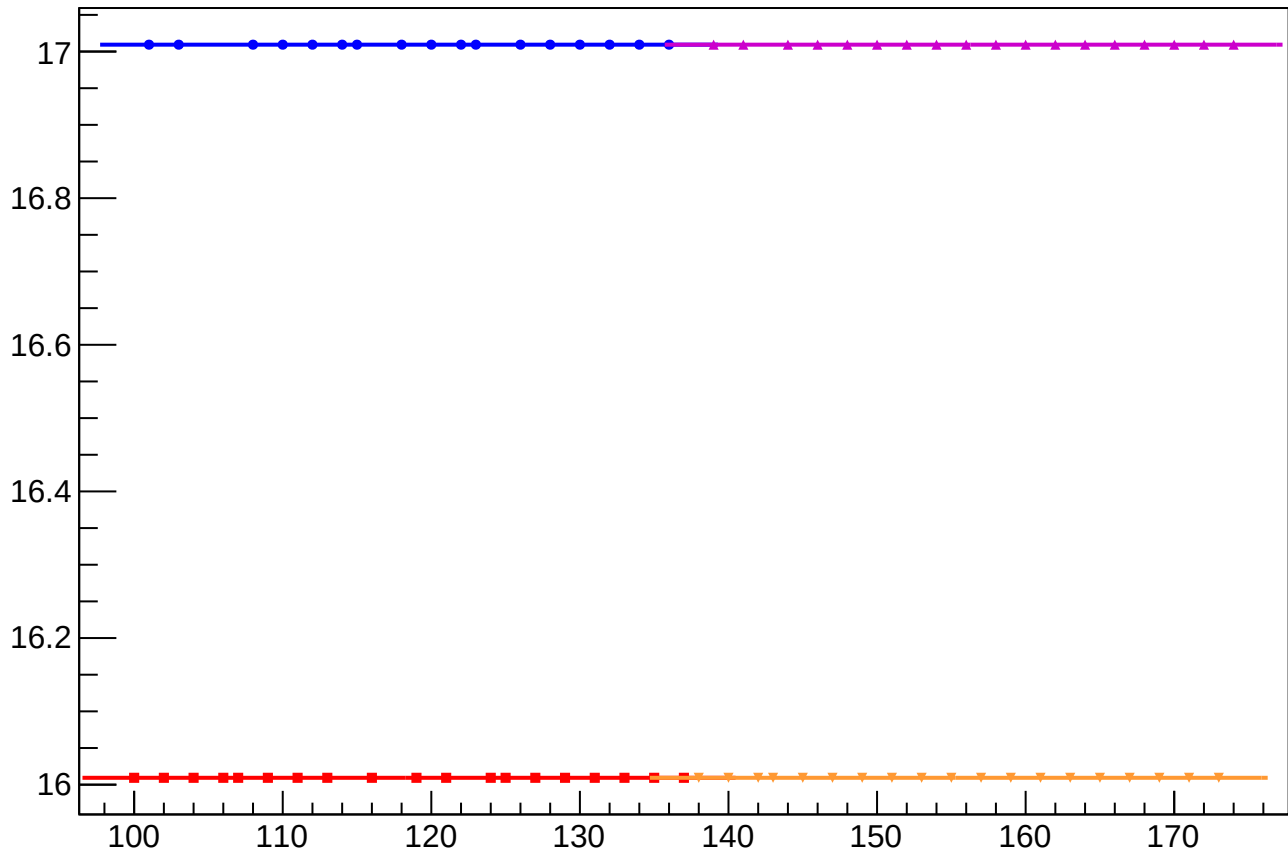
Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12516014336037541461884928.0/18

All: 16.510 $\pm$ 0.000 χ^2 /NDF: 9992747034973

- sign 16.338 $\pm$ 0.000 χ^2 /NDF: 4387734944456024

Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 126455126442414377533440.0/17

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: 54690.1/18

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 39518.8/18

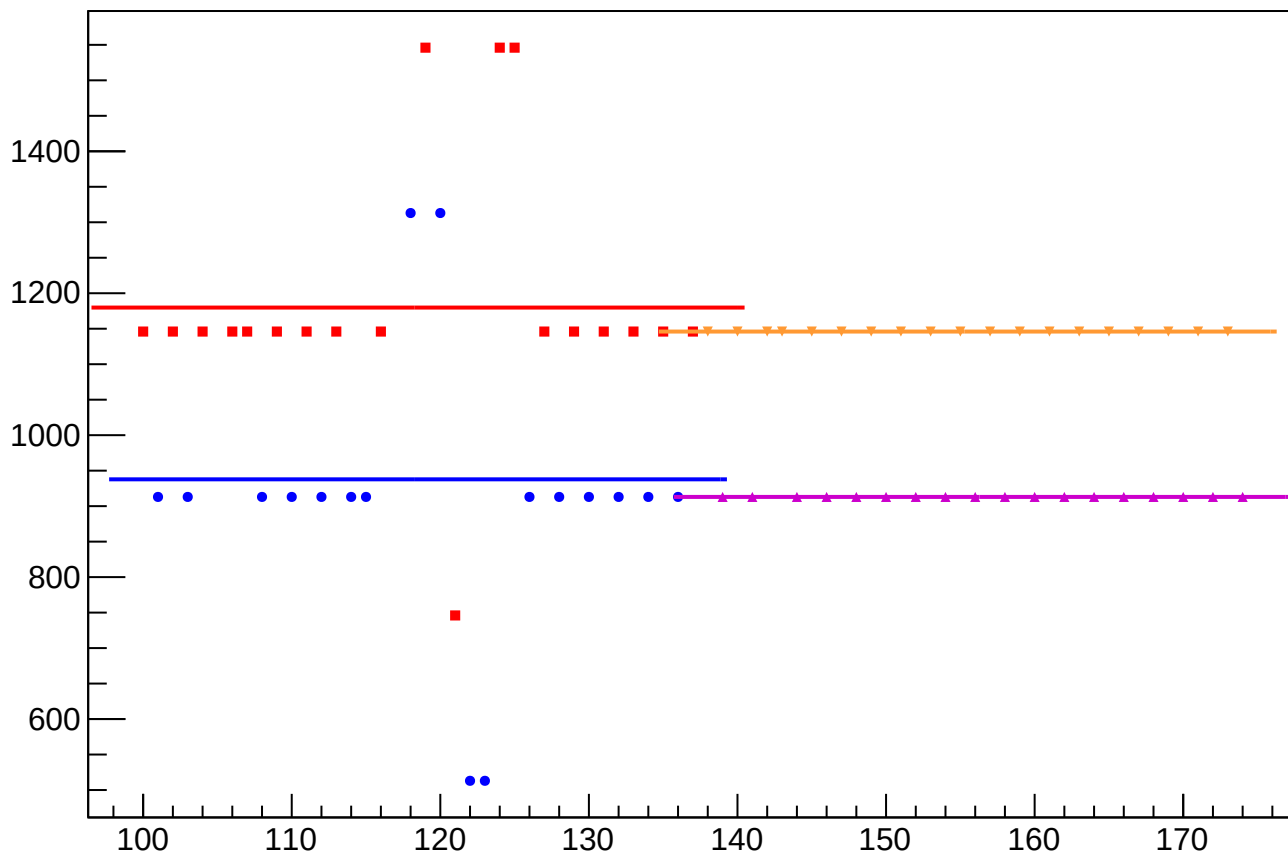
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 113587825185865722757120.0/17

+ sign 16.323 $\pm$ 0.000 χ^2 /NDF: 4543998105163364

All: 16.497 $\pm$ 0.000 χ^2 /NDF: 1055881324065

- 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

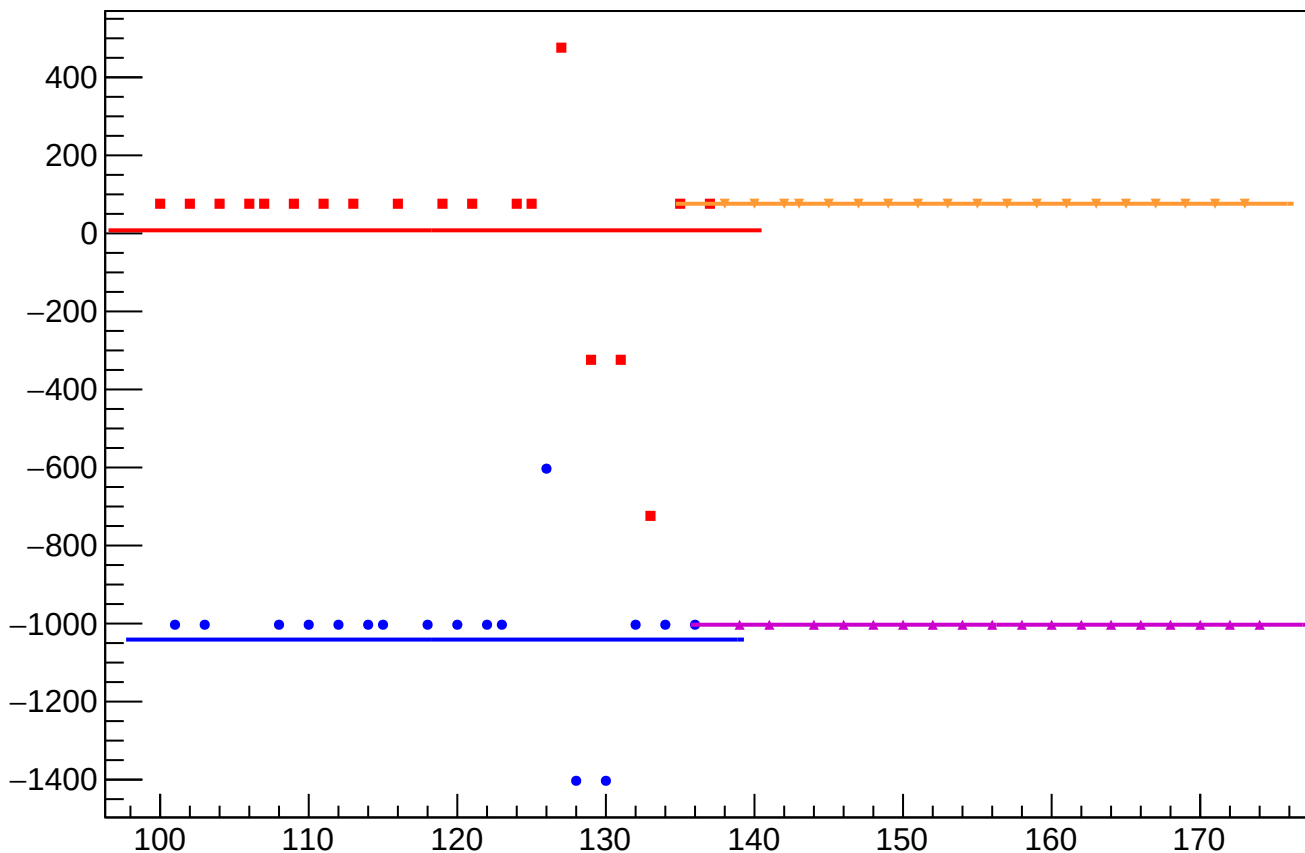
Left Out: 1146.011+/-0.000 χ^2/NDF : 4459600598991621576491794432.0/18

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: 1040.702+/-0.000 χ^2/NDF : 10327102609

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 : 10491776733935154061377536000.0/18 + sign -282.890+/-0.000 χ^2/NDF : 61040526732564

Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18 All: -473.751+/-0.000 χ^2/NDF : 13026217094

Left In: -1002.990+/-0.000 χ^2/NDF : 2219370687986647186473484288.0/17 - sign -664.789+/-0.000 χ^2/NDF : 534774696884349