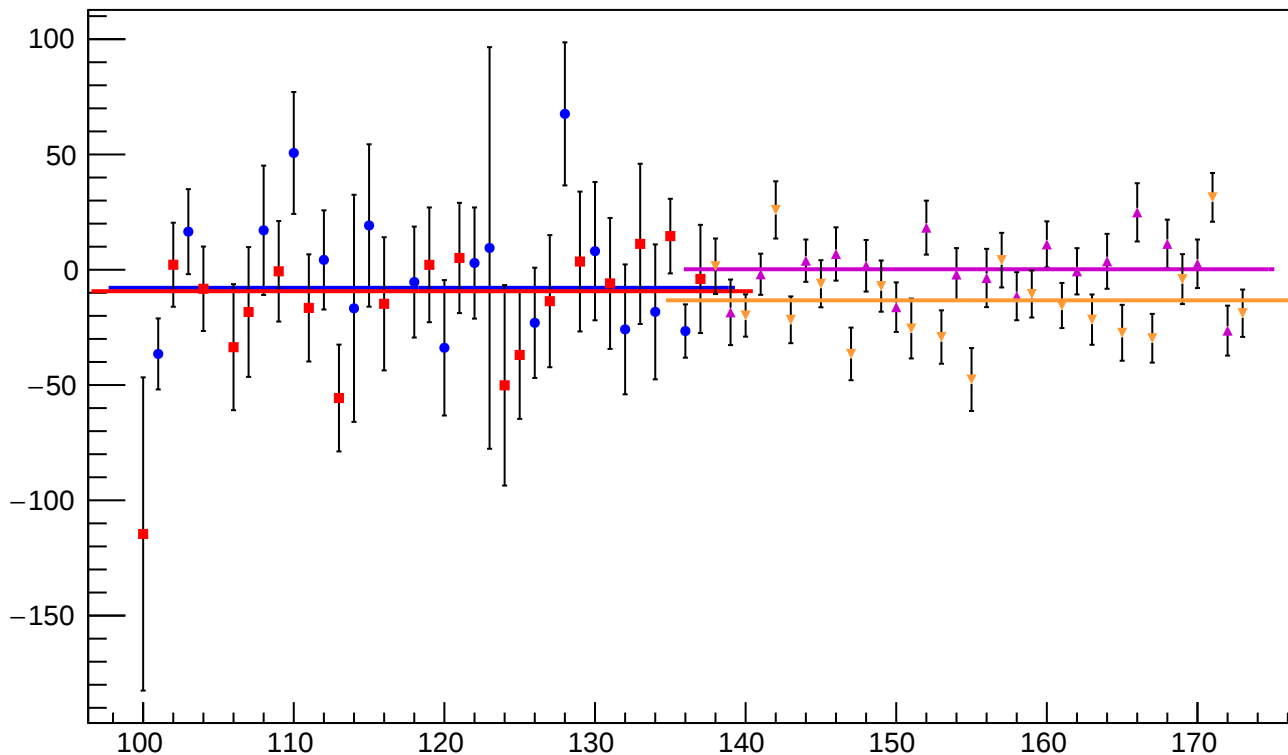


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -13.265 ± 5.521

χ^2/NDF : 52.2/18

Right Out: -9.309 ± 5.677

χ^2/NDF : 13.2/18

Left In: 0.214 ± 2.638

χ^2/NDF : 20.7/16

+ sign -12.353 ± 2.299

χ^2/NDF : 75.7/35

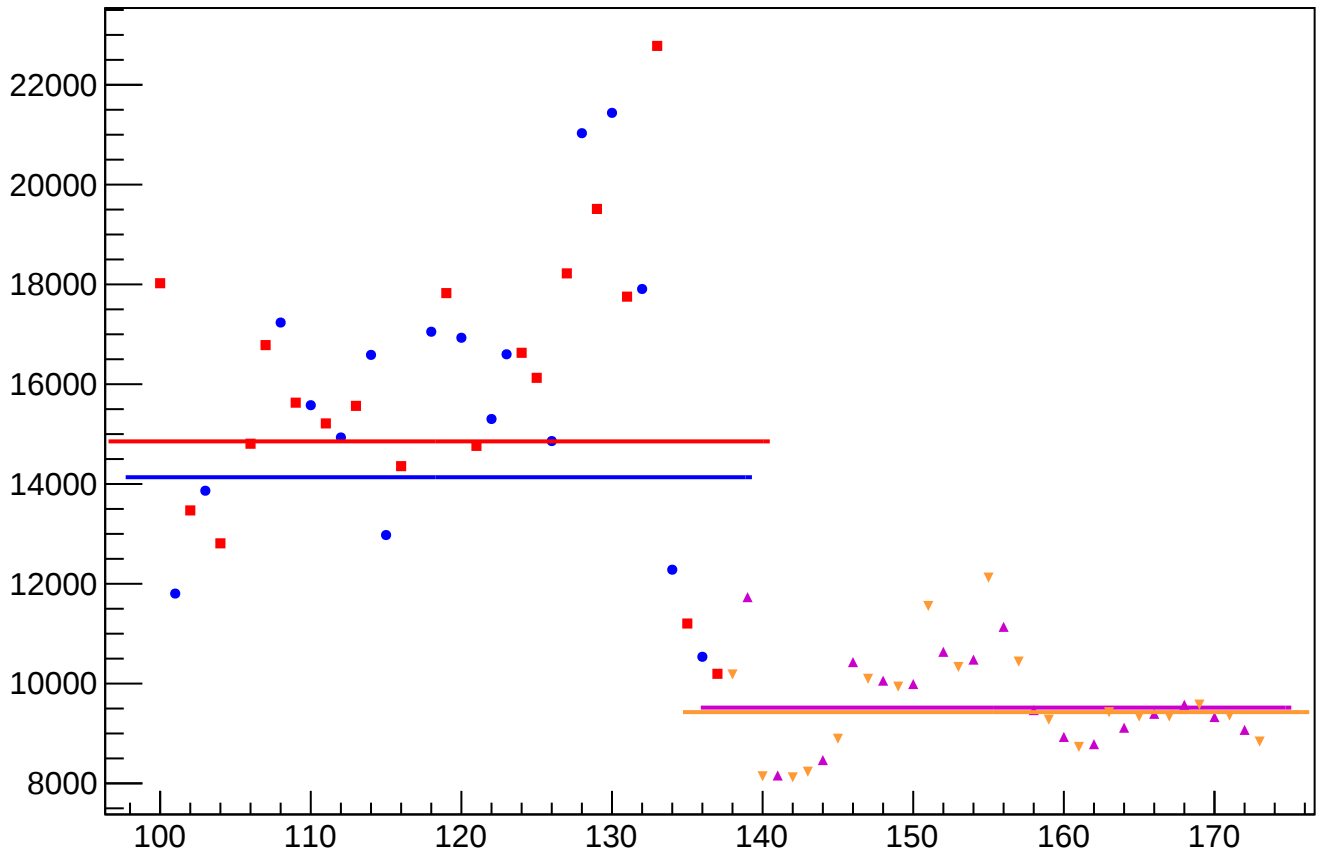
All: -7.131 ± 1.658

χ^2/NDF : 122.6/71

- sign -1.477 ± 2.392

χ^2/NDF : 36.2/35

diff_bpm4aX_rms vs Slug



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

Left Out: 9428.083+/-1.782 χ^2/NDF : 290204.5/18

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

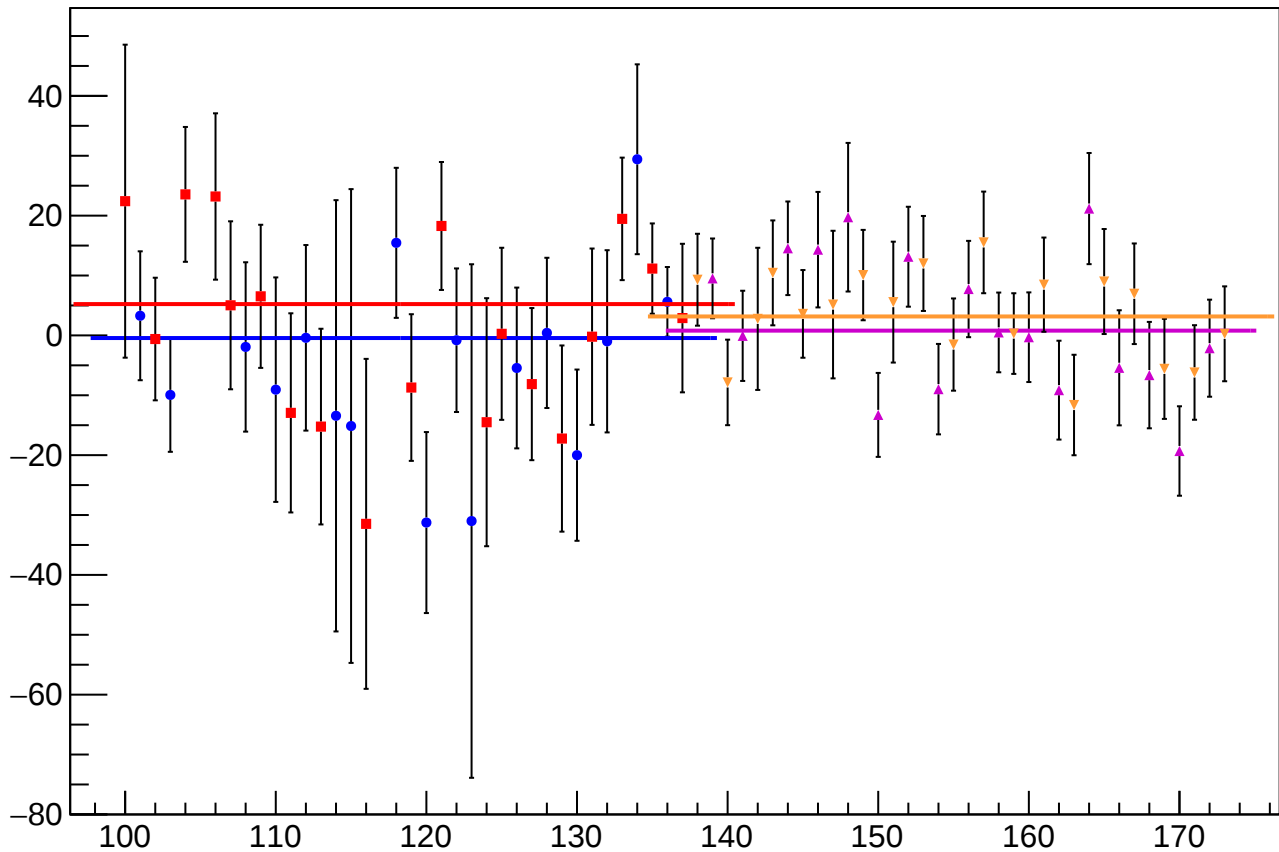
Left In: 9518.571+/-1.865 χ^2/NDF : 231564.1/16

+ sign 10219.190+/-1.626 χ^2/NDF : 2059809.7/35

All: 10337.594+/-1.172 χ^2/NDF : 4227301.2/70

- sign 10465.773+/-1.691 χ^2/NDF : 2156443.8/35

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

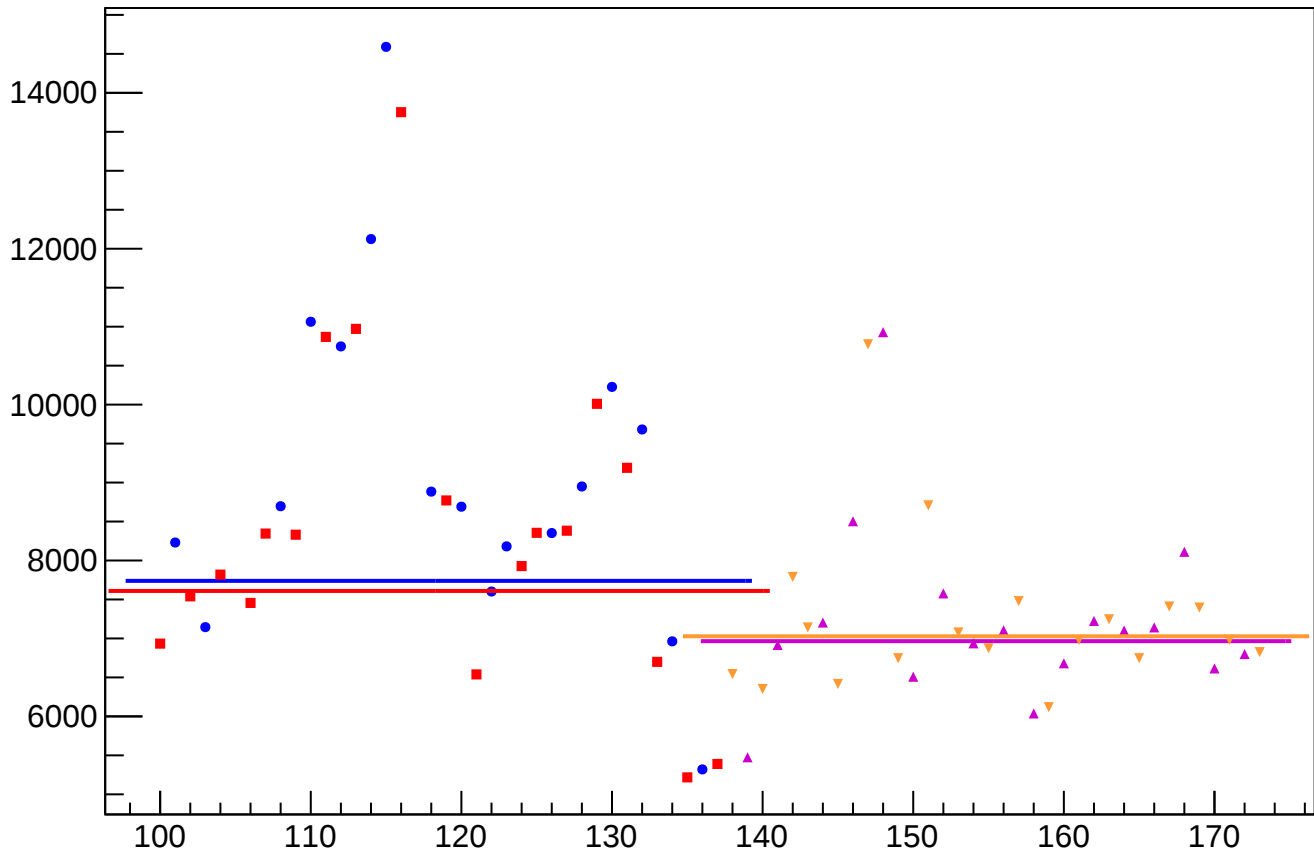
Left In: 0.795 ± 1.943 χ^2/NDF : 32.5/16

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

All: 2.162 ± 1.141 χ^2/NDF : 84.4/71

- sign 2.146 ± 1.620 χ^2/NDF : 53.5/35

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

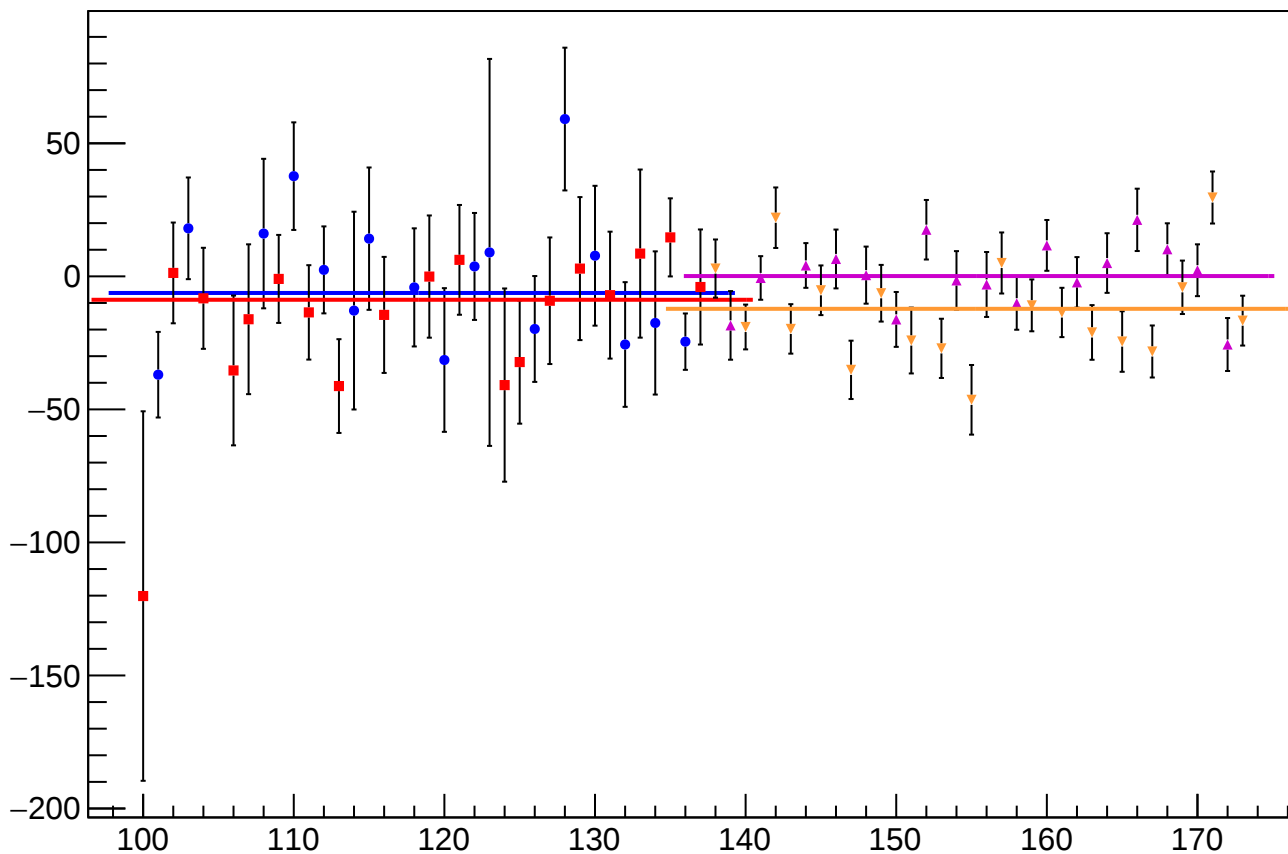
Left In: 6965.228 $\pm$ 1.374 χ^2 /NDF:460147.7/16

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

All: 7192.124 $\pm$ 0.807 χ^2 /NDF: 2373764.7/71

- sign 7161.529 $\pm$ 1.146 χ^2 /NDF: 1206307.7/35

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

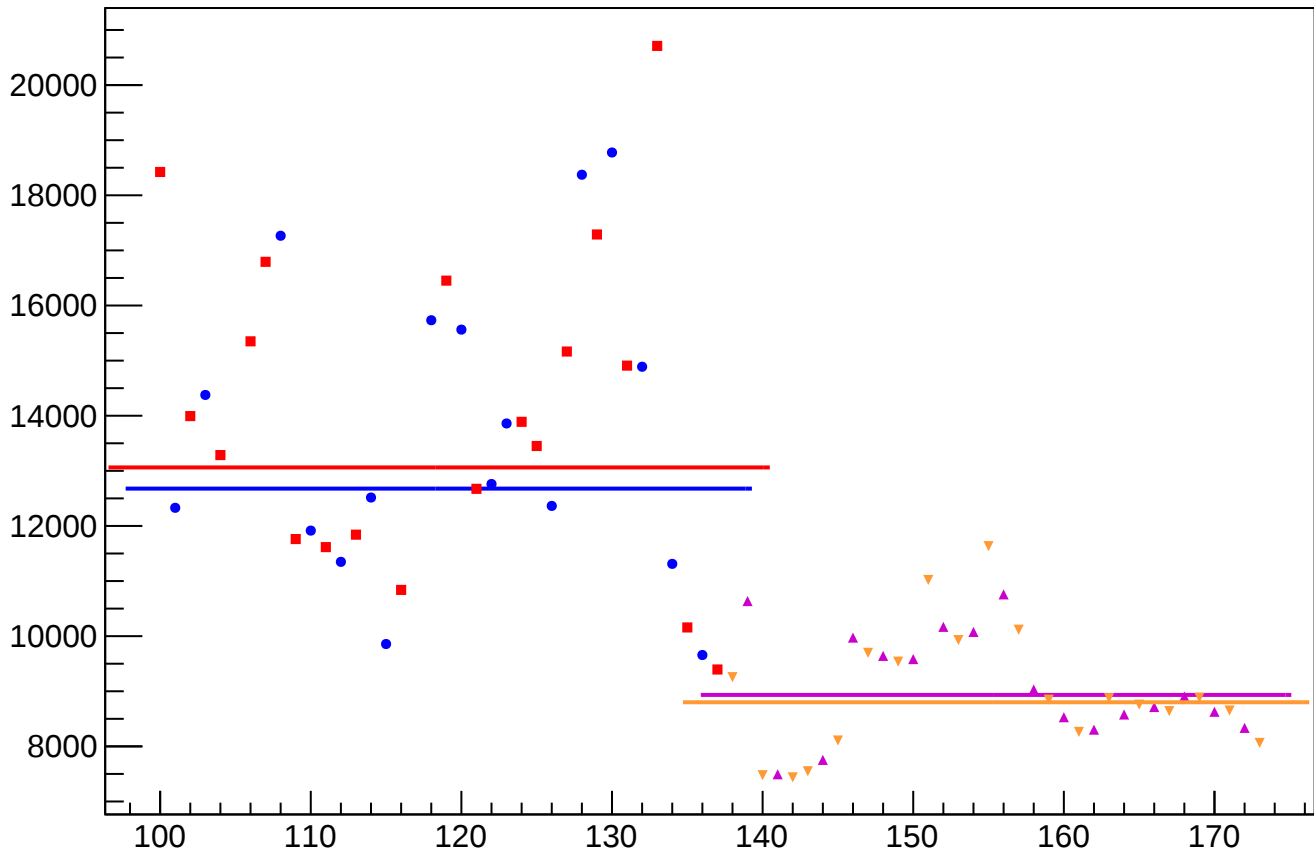
Left In: 0.111 ± 2.478 χ^2/NDF : 21.5/16

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

All: -6.575 ± 1.538 χ^2/NDF : 124.1/71

- sign -1.647 ± 2.220 χ^2/NDF : 37.2/35

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

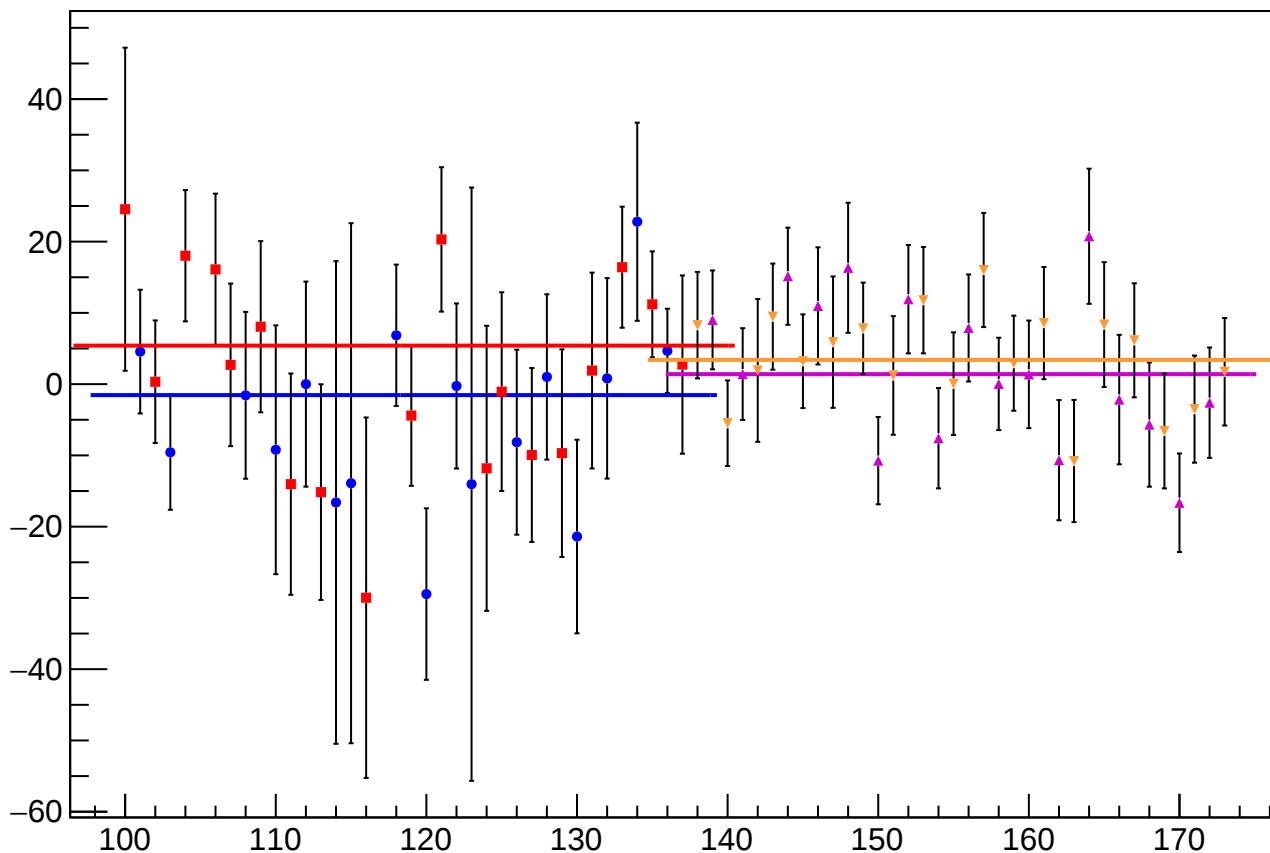
Left In: 8933.698+/-1.752 χ^2/NDF : 285561.1/16

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

All: 9619.753+/-1.088 χ^2/NDF : 3799637.2/71

- sign 9747.888+/-1.570 χ^2/NDF : 1877737.9/35

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

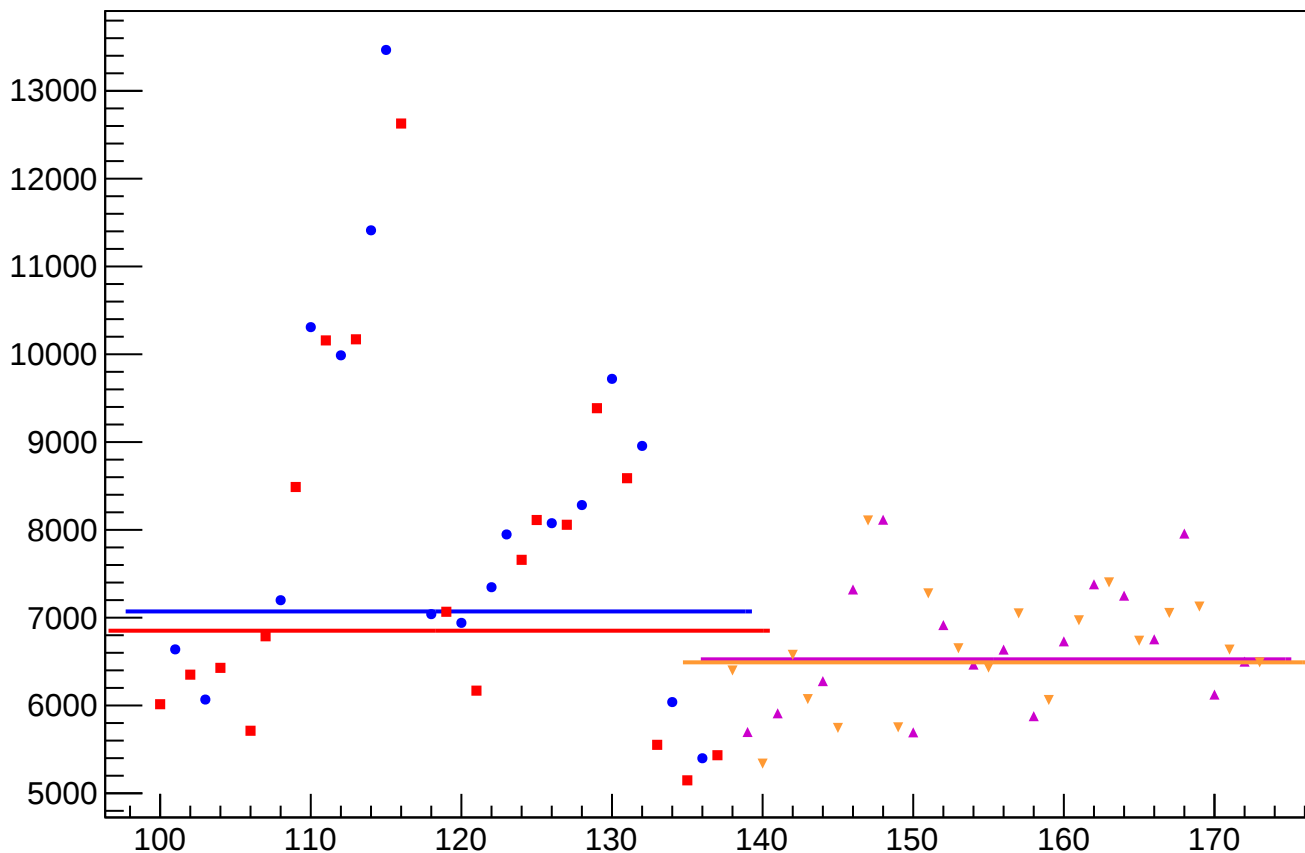
Left In: 1.402 ± 1.812 χ^2/NDF : 31.6/16

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

All: 2.351 ± 1.049 χ^2/NDF : 82.9/71

- sign 2.685 ± 1.494 χ^2/NDF : 51.8/35

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

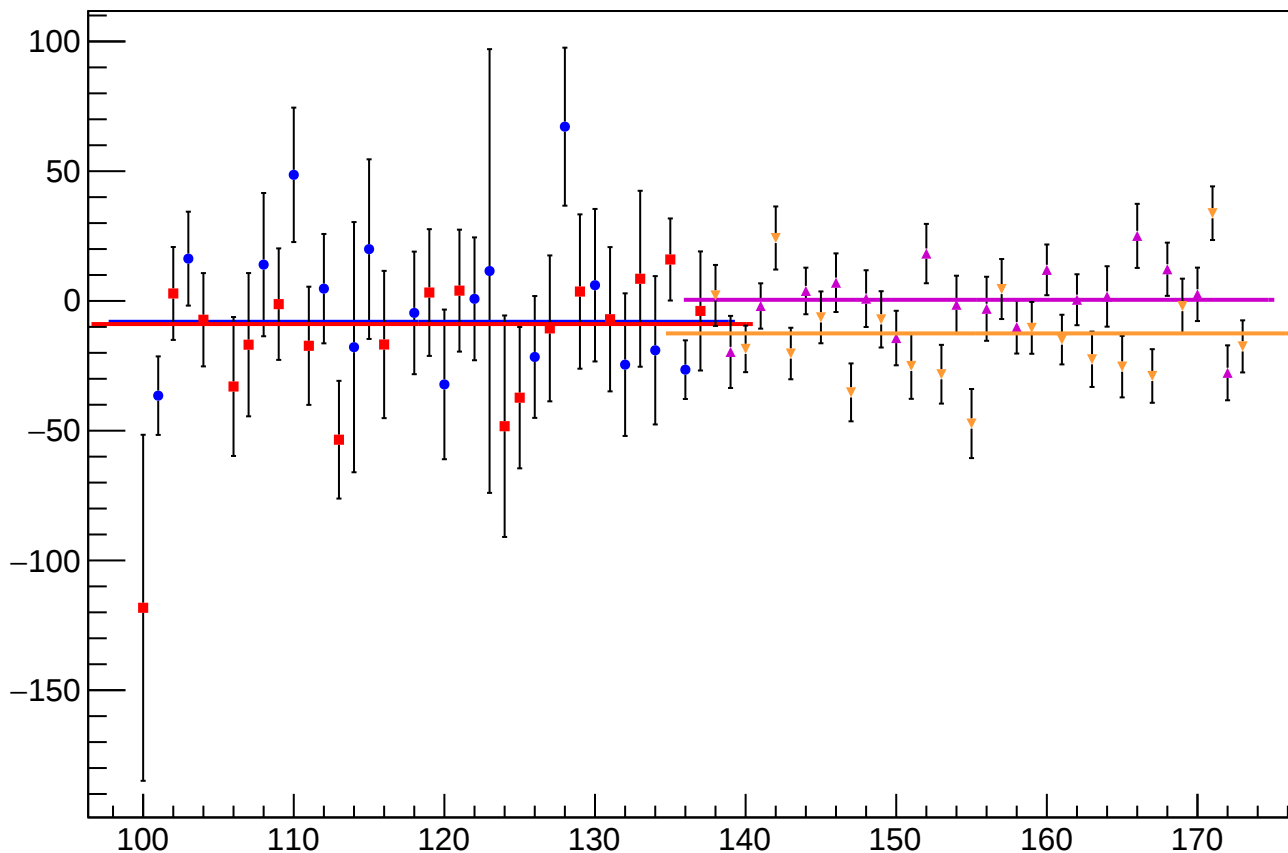
Left In: 6525.516+/-1.282 χ^2/NDF : 287142.0/16

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

All: 6641.725+/-0.742 χ^2/NDF : 1941342.2/71

- sign 6629.994+/-1.057 χ^2/NDF : 992283.6/35

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

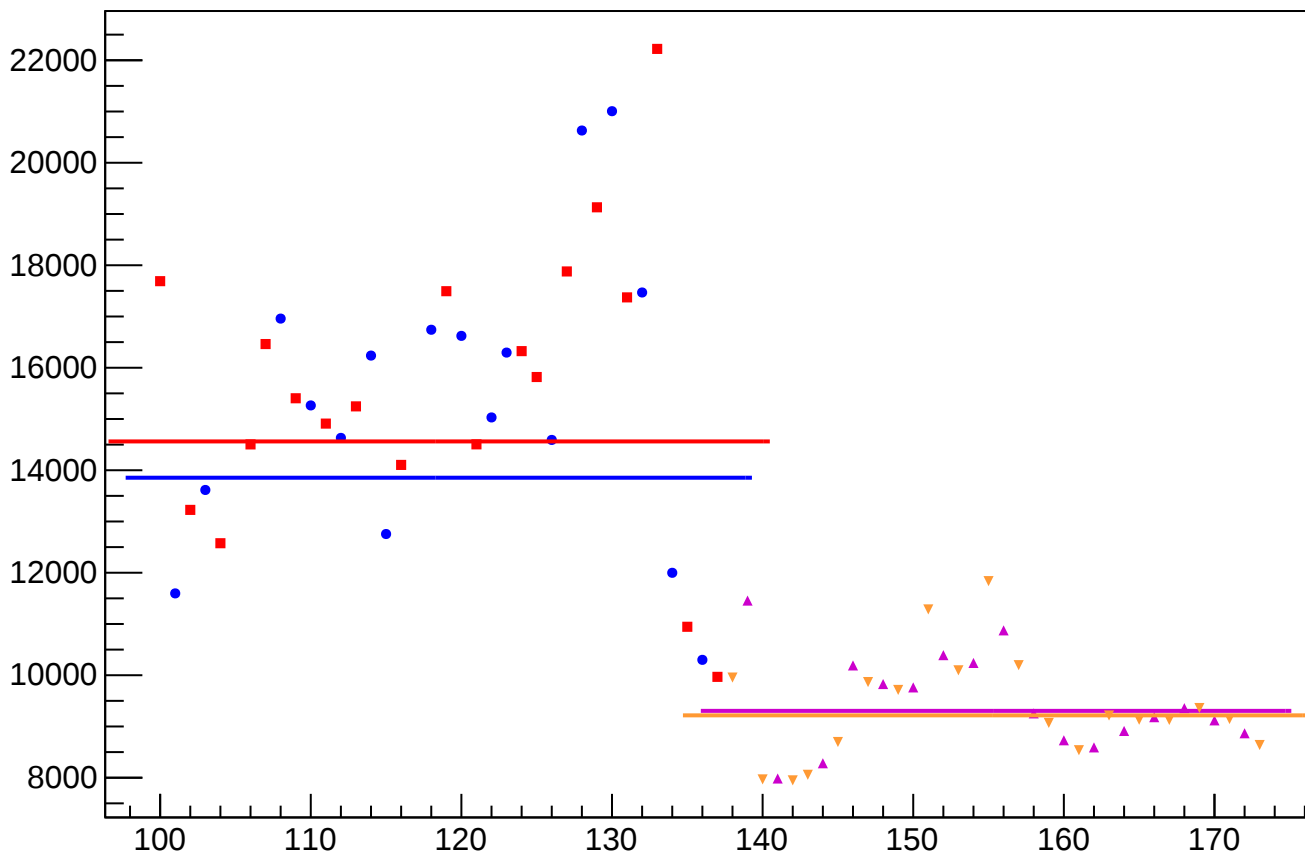
Left In: 0.434 ± 2.578 χ^2/NDF : 22.0/16

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

All: -6.700 ± 1.621 χ^2/NDF : 126.1/71

- sign -1.216 ± 2.339 χ^2/NDF : 38.0/35

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

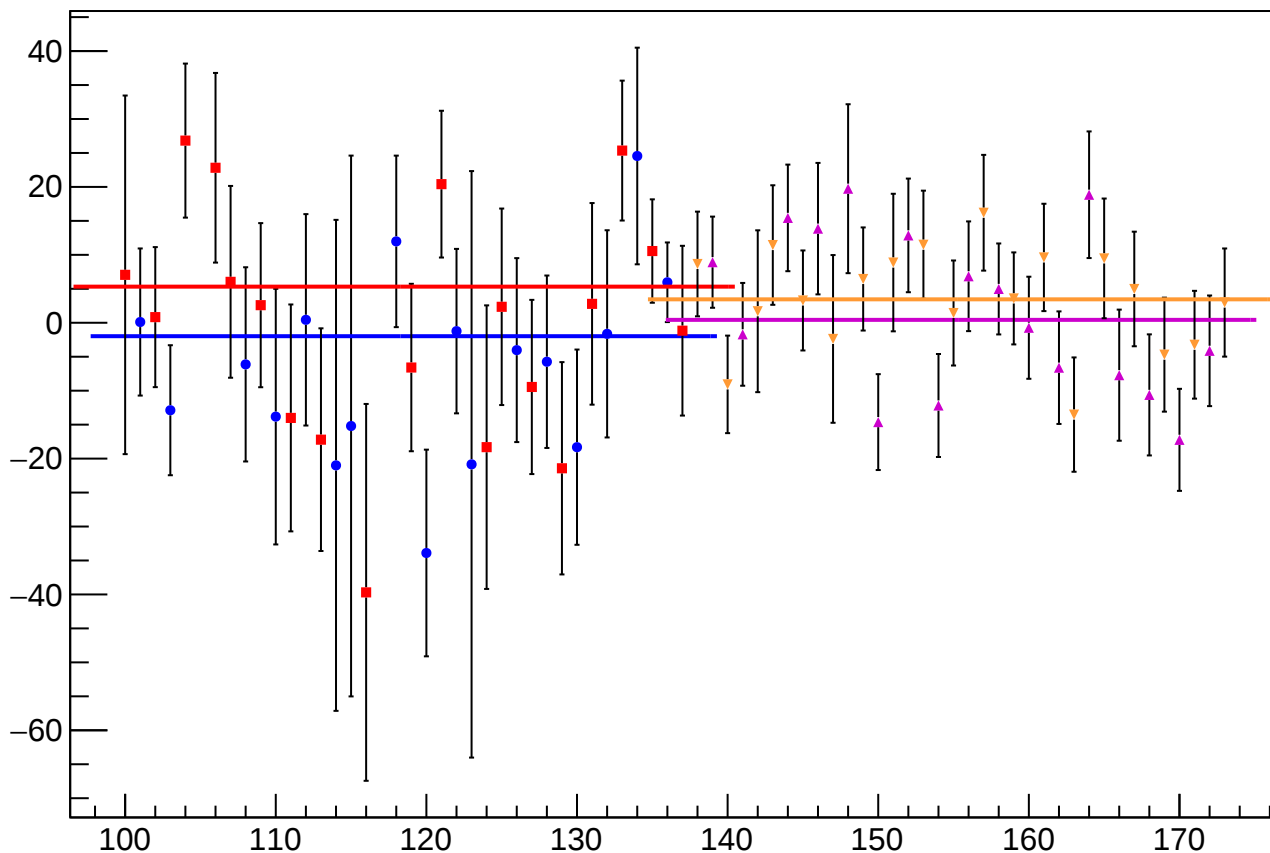
Left In: 9304.711+/-1.823 χ^2/NDF : 228882.7/16

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

All: 10108.307+/-1.146 χ^2/NDF : 4256361.2/70

- sign 10233.421+/-1.654 χ^2/NDF : 2172362.3/35

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 $\chi^2/\text{NDF}: 24.3/18$

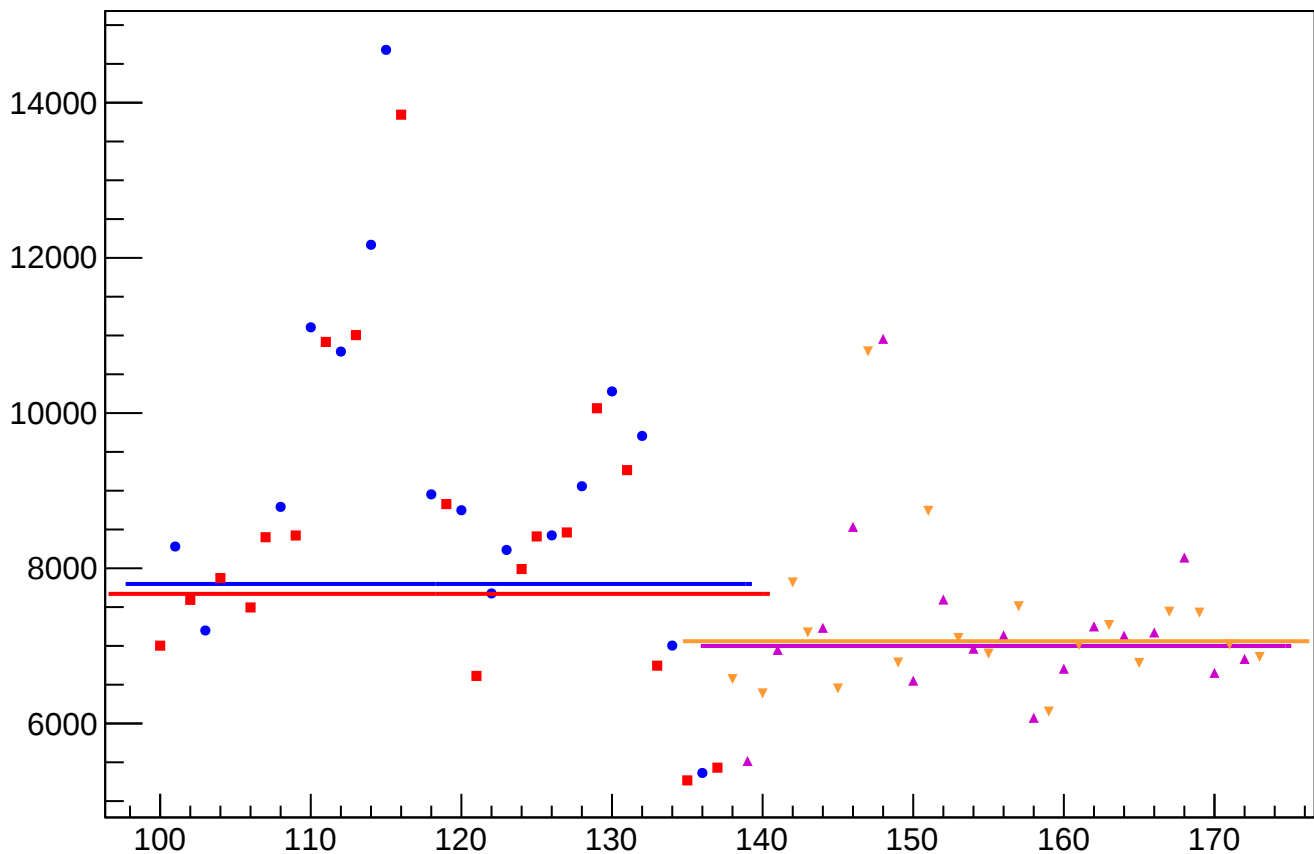
Left In: 0.427 ± 1.952 $\chi^2/\text{NDF}: 33.0/16$

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

All: 1.942 ± 1.147 $\chi^2/\text{NDF}: 90.7/71$

- sign 1.911 ± 1.630 $\chi^2/\text{NDF}: 59.2/35$

diff_bpm4acY_rms vs Slug



Right In: 7798.267 $\pm$ 2.188 χ^2 /NDF: 736283.6/16

Left Out: 7060.404 $\pm$ 1.338 χ^2 /NDF:343369.2/18

Right Out: 7670.584 $\pm$ 2.092 χ^2 /NDF: 672691.0/18

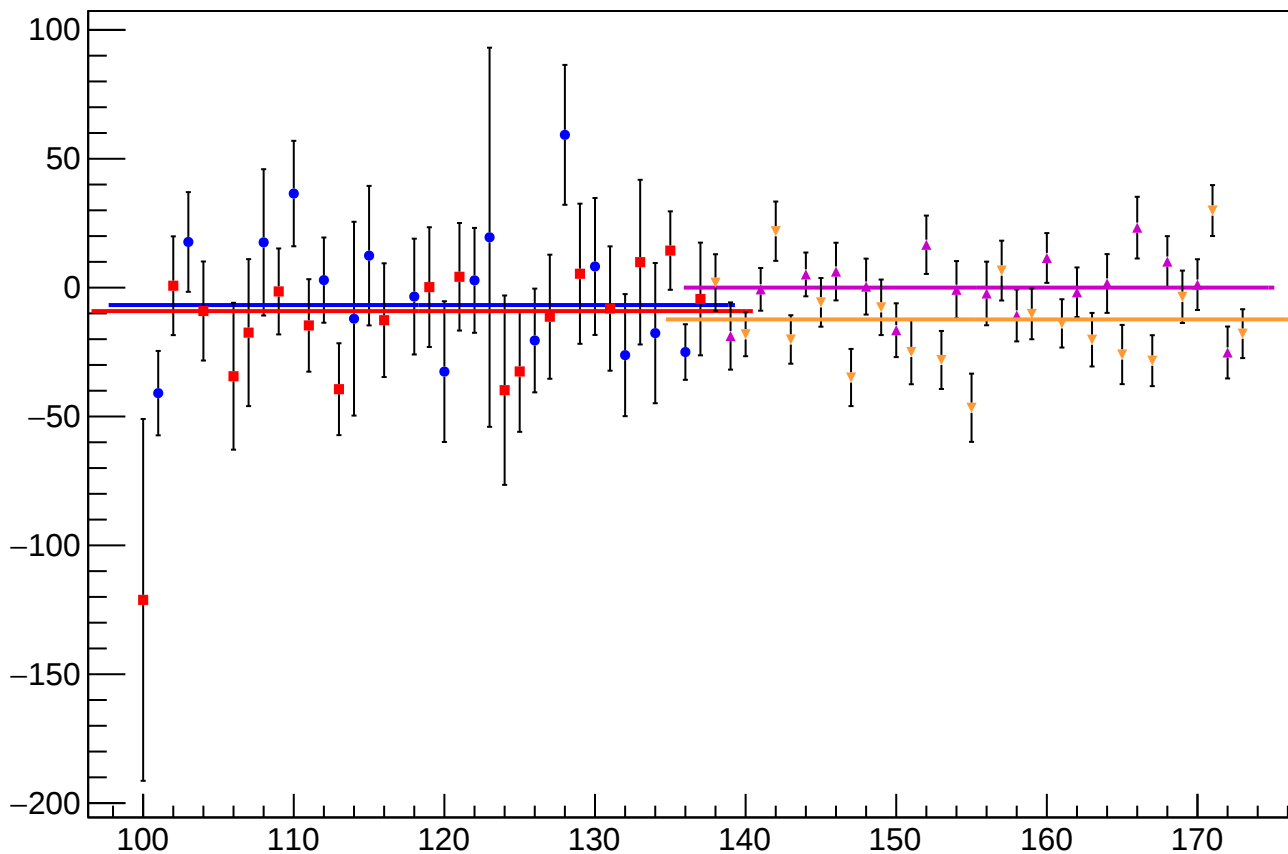
Left In: 6998.988 $\pm$ 1.381 χ^2 /NDF:453138.7/16

+ sign 7261.259 $\pm$ 1.141 χ^2 /NDF: 1162439.1/35

All: 7232.272 $\pm$ 0.811 χ^2 /NDF: 2361367.2/71

- sign 7202.733 $\pm$ 1.152 χ^2 /NDF: 1197626.0/35

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

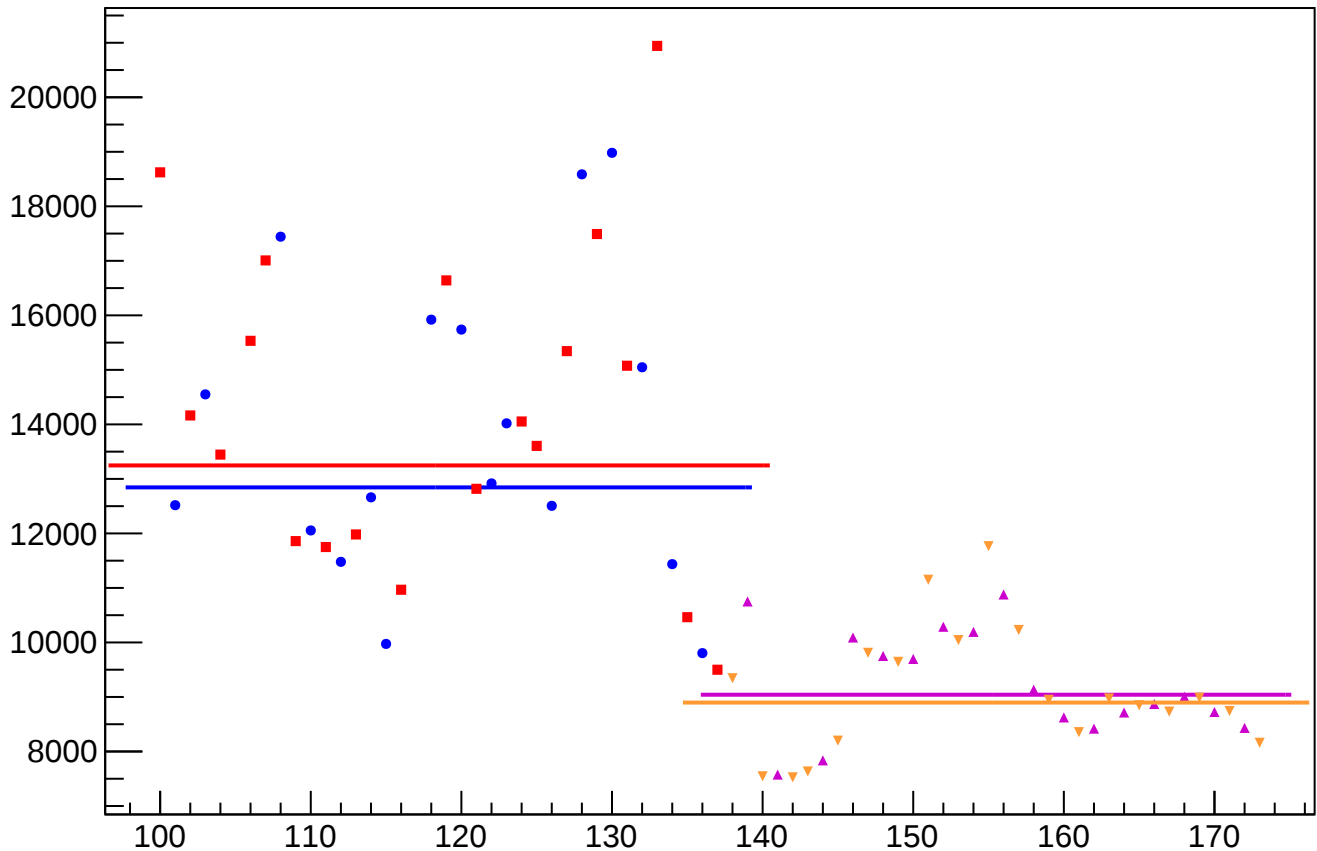
Left In: 0.005 ± 2.508 χ^2/NDF : 21.2/16

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

All: -6.753 ± 1.557 χ^2/NDF : 122.9/71

- sign -1.785 ± 2.248 χ^2/NDF : 36.0/35

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

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

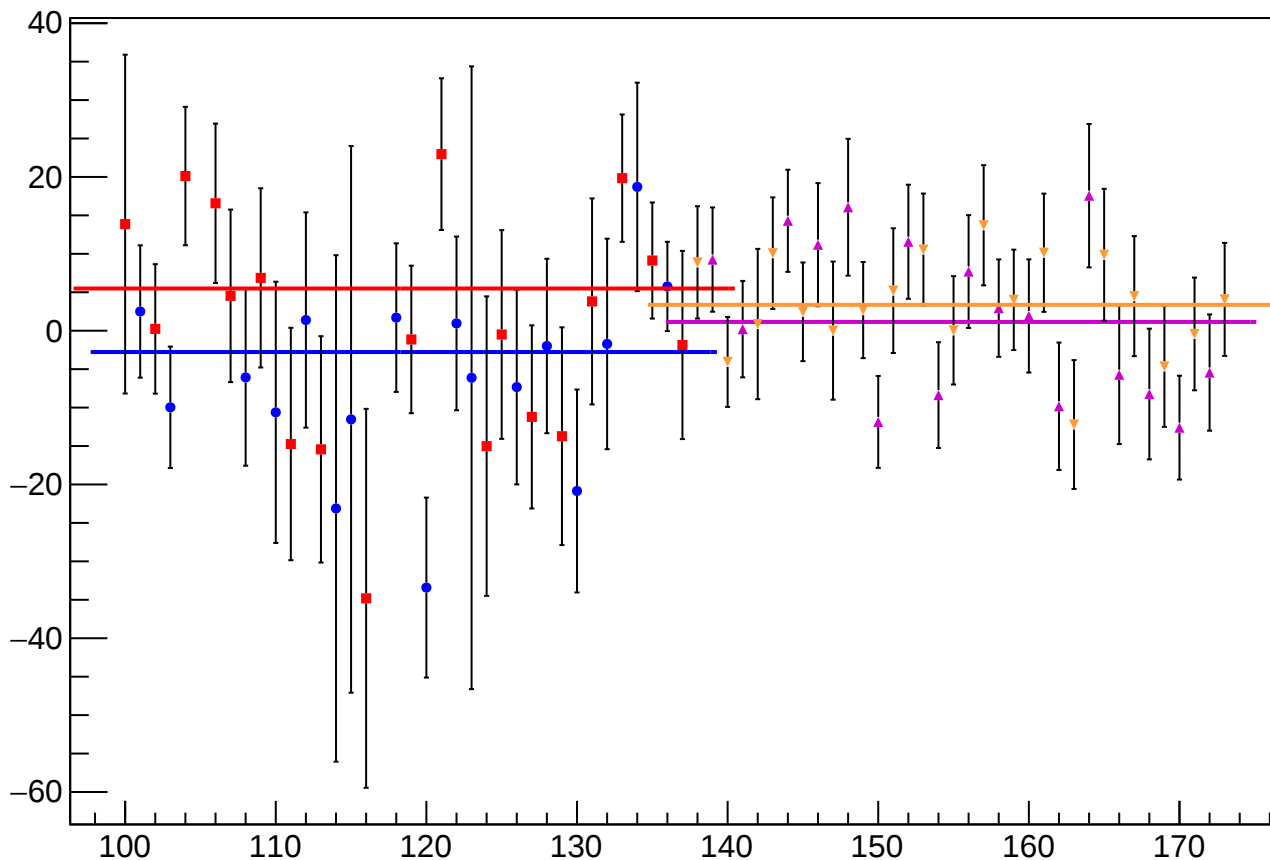
Right Out: 13247.253+/-3.585 χ^2/NDF : 485481.6/18

All: 9732.738+/-1.101 χ^2/NDF : 3804034.4/71

Left In: 9041.042+/-1.774 χ^2/NDF : 285045.8/16

- sign 9868.027+/-1.590 χ^2/NDF : 1876238.5/35

diff_bpm4ecY_mean vs Slug



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

Left Out: 3.367 ± 1.695 χ^2/NDF : 12.4/18

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

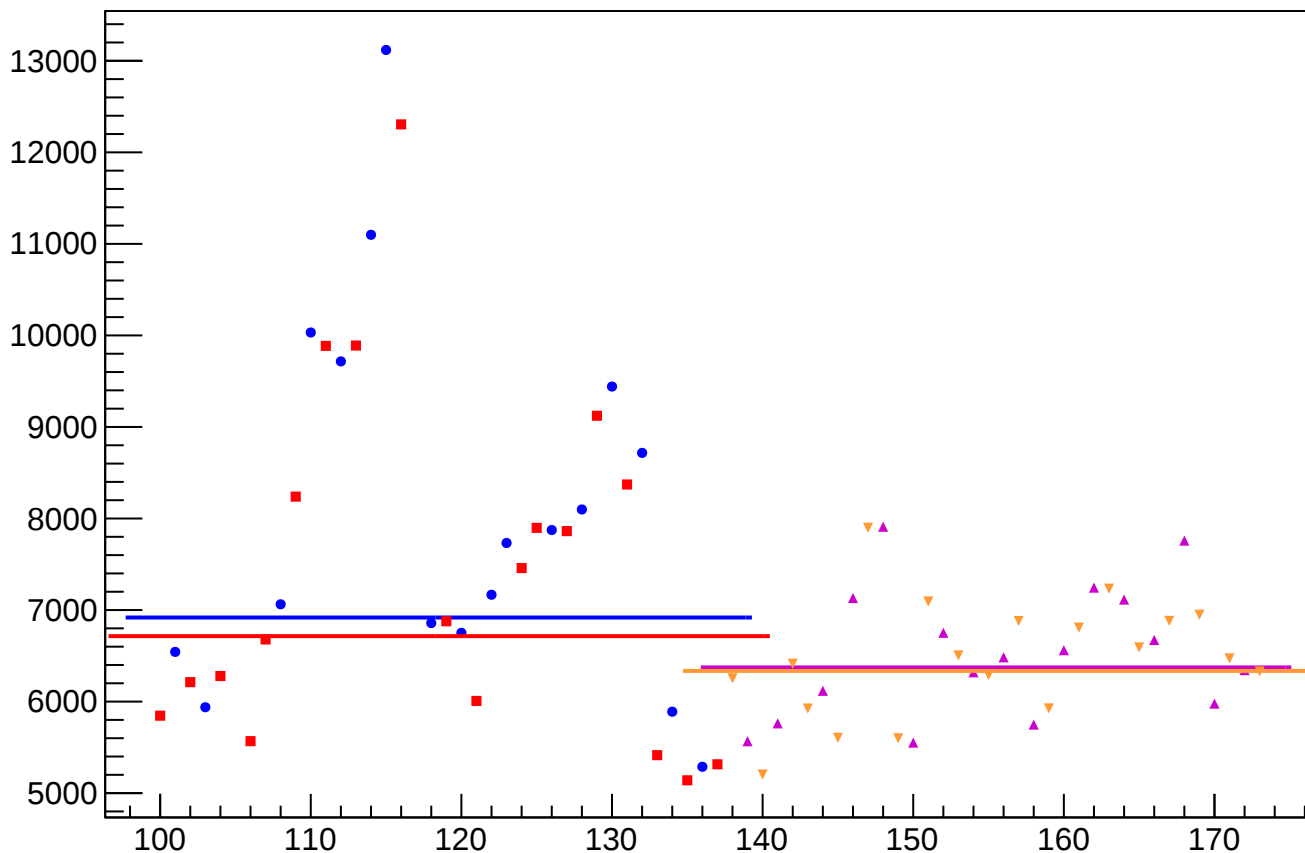
Left In: 1.139 ± 1.771 χ^2/NDF : 30.8/16

+ sign 1.660 ± 1.440 χ^2/NDF : 32.0/35

All: 2.087 ± 1.026 χ^2/NDF : 88.1/71

- sign 2.527 ± 1.461 χ^2/NDF : 55.9/35

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

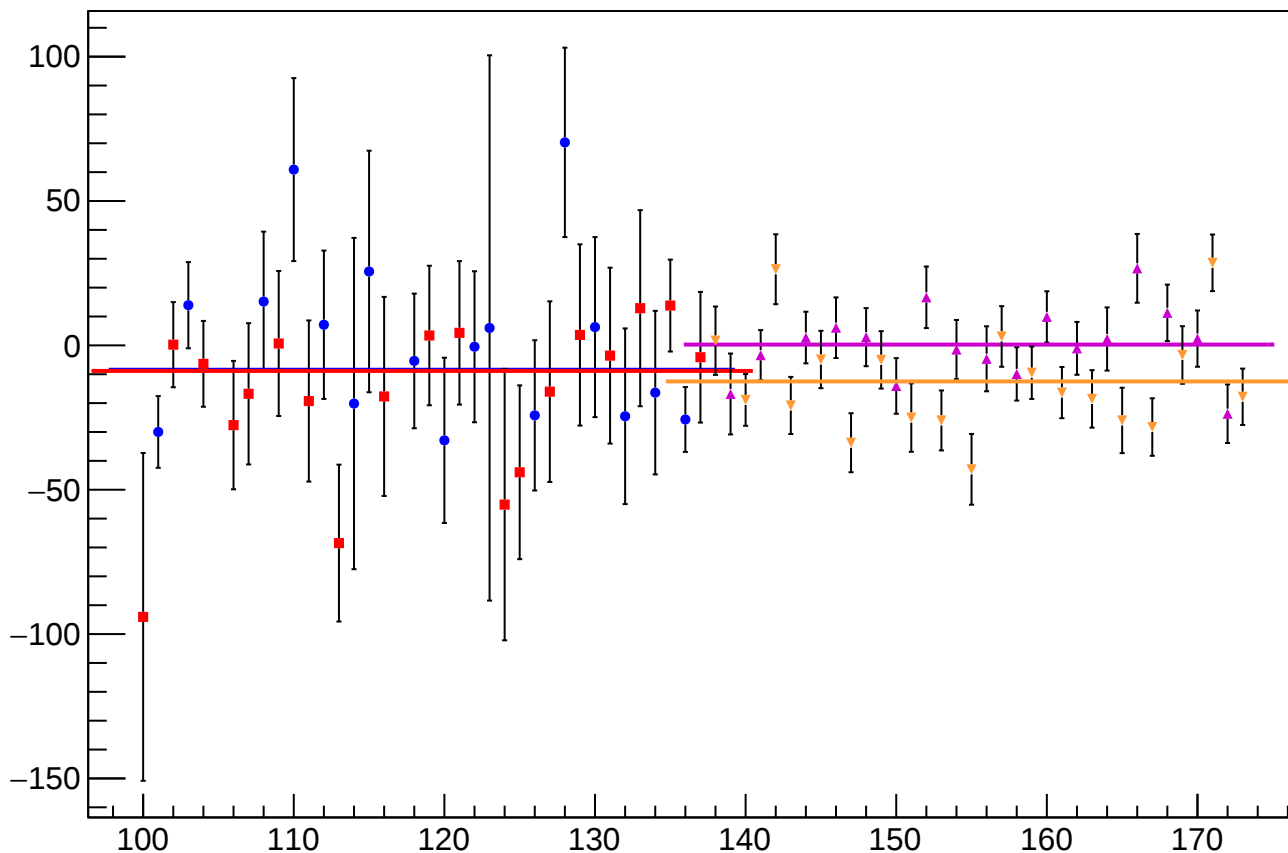
Left In: 6373.304+/-1.252 χ^2/NDF : 289154.0/16

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

All: 6489.907+/-0.725 χ^2/NDF : 1909064.1/71

- sign 6482.308+/-1.033 χ^2/NDF : 968920.8/35

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

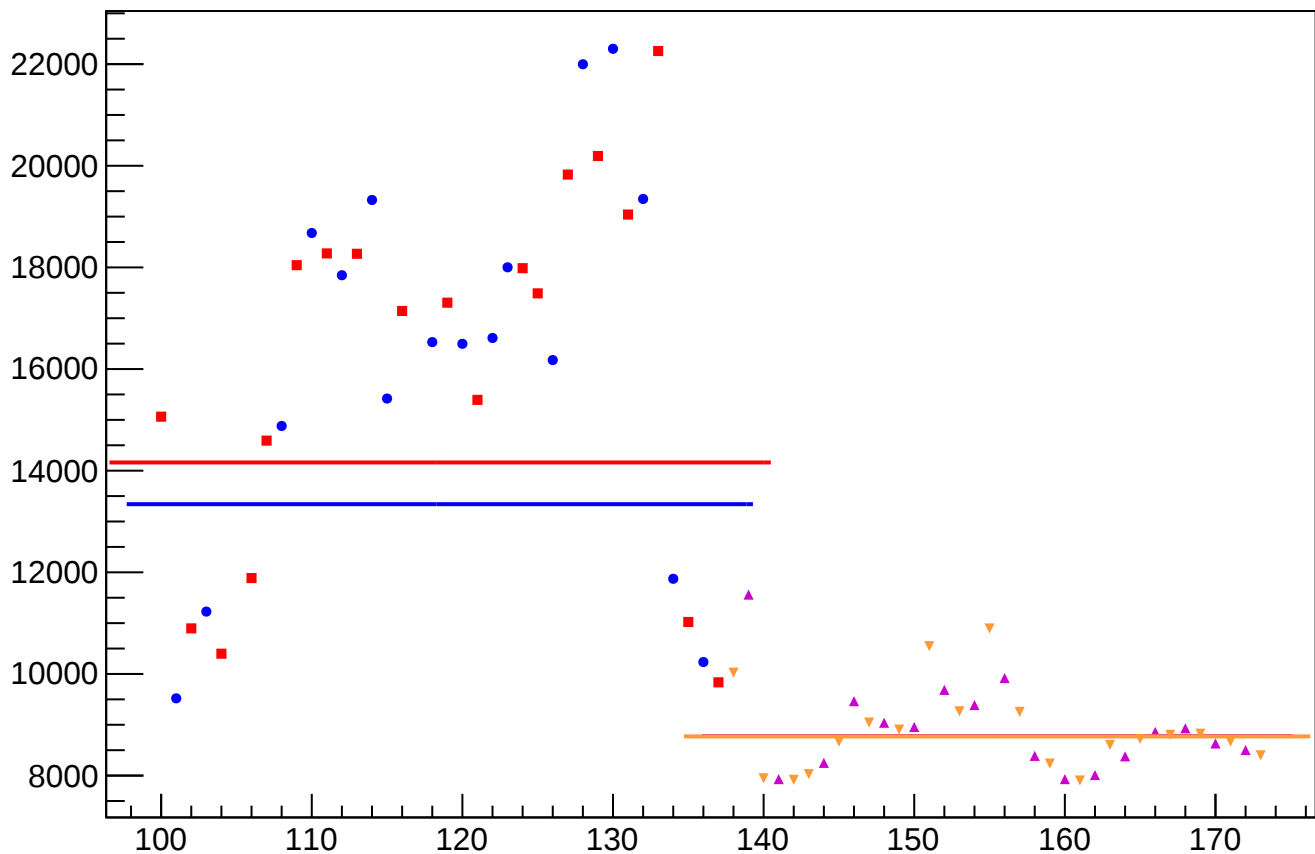
Left In: 0.279 ± 2.431 χ^2/NDF : 21.1/16

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

All: -6.715 ± 1.545 χ^2/NDF : 124.9/71

- sign -1.210 ± 2.224 χ^2/NDF : 37.6/35

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

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

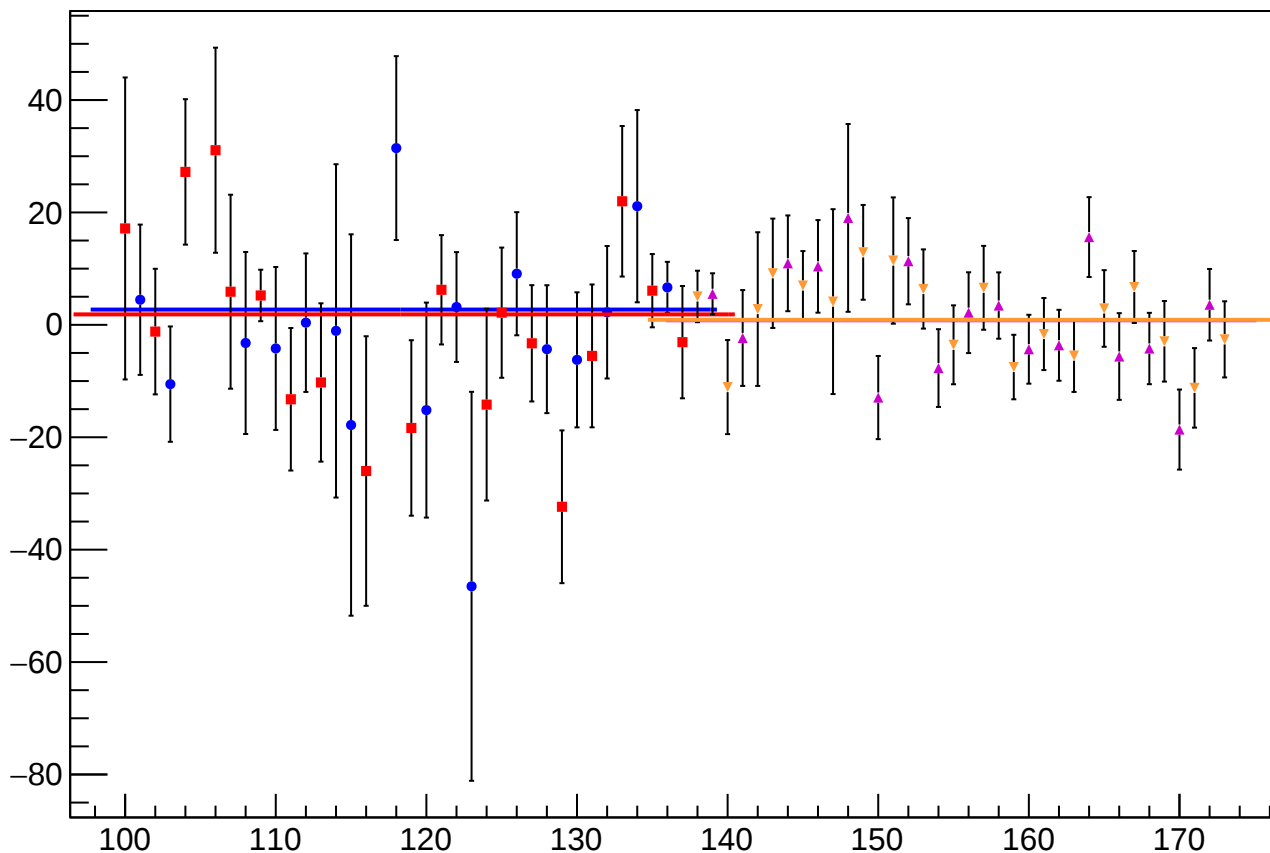
Left In: 8778.177+/-1.719 χ^2/NDF : 198678.7/16

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

All: 9573.333+/-1.092 χ^2/NDF : 5193687.3/71

- sign 9655.879+/-1.573 χ^2/NDF : 2729461.2/35

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

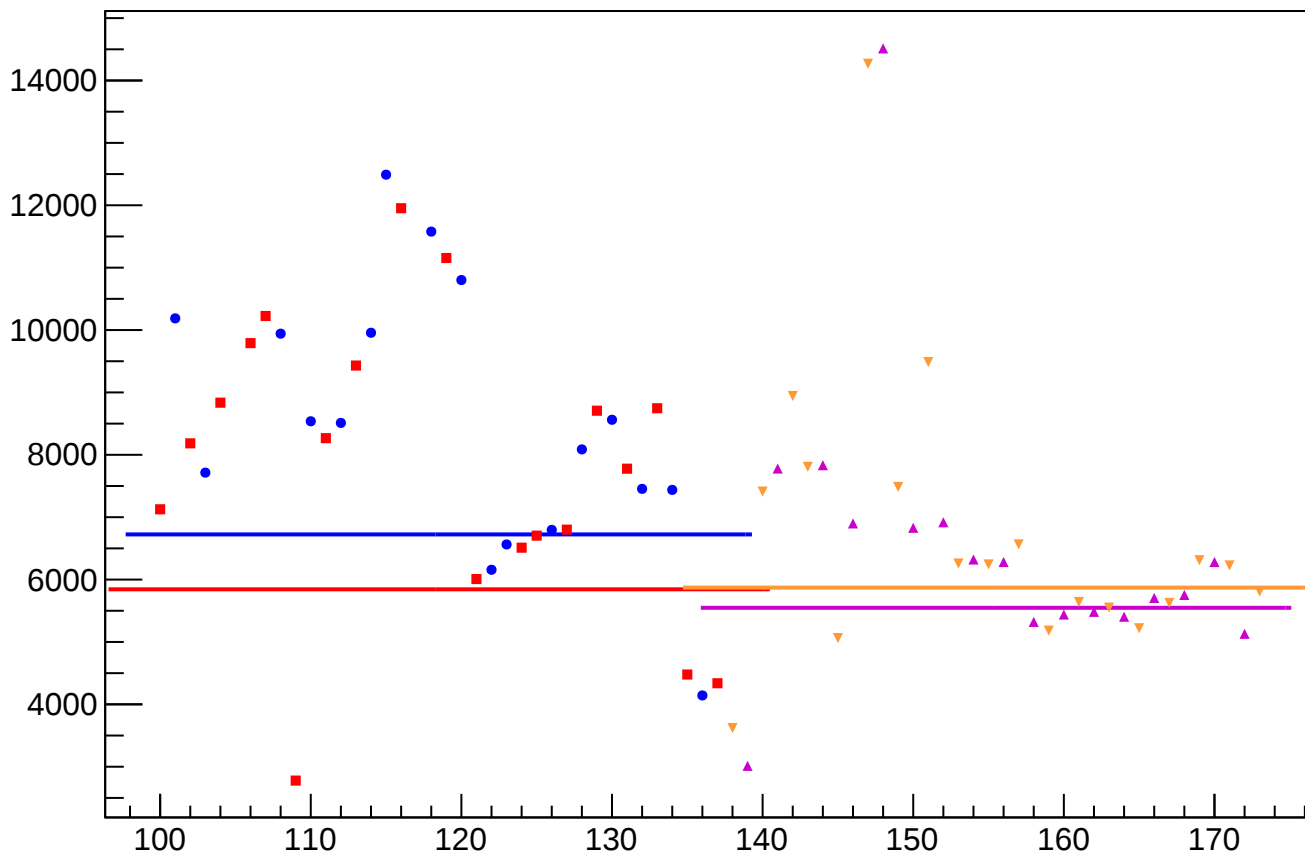
Left In: 0.819 ± 1.617 χ^2/NDF : 27.3/16

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

All: 1.247 ± 0.973 χ^2/NDF : 79.8/71

- sign 1.137 ± 1.348 χ^2/NDF : 51.0/35

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

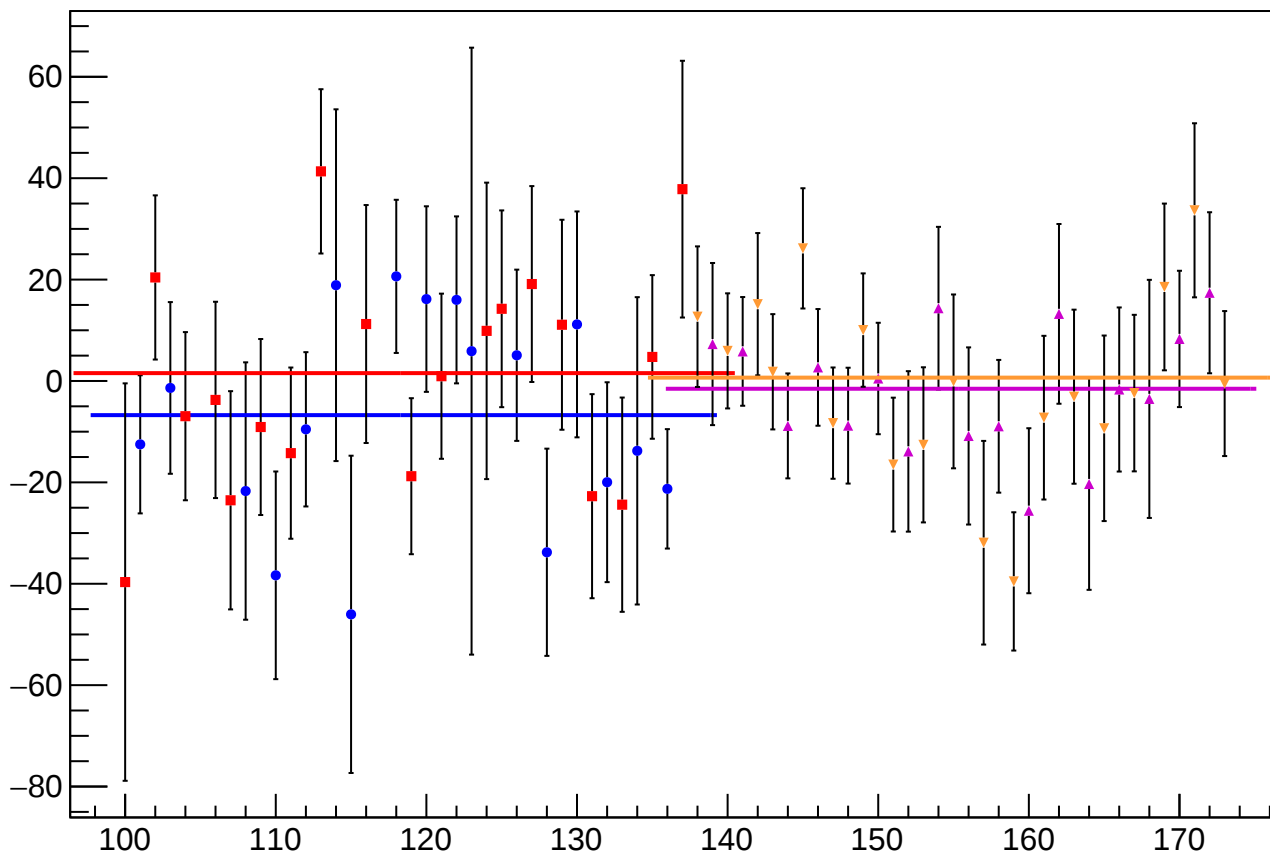
Left In: 5547.545+/-1.143 χ^2/NDF : 2079147.0/16

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

All: 5856.357+/-0.688 χ^2/NDF : 7687375.6/71

- sign 5637.998+/-0.953 χ^2/NDF : 4376875.9/35

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

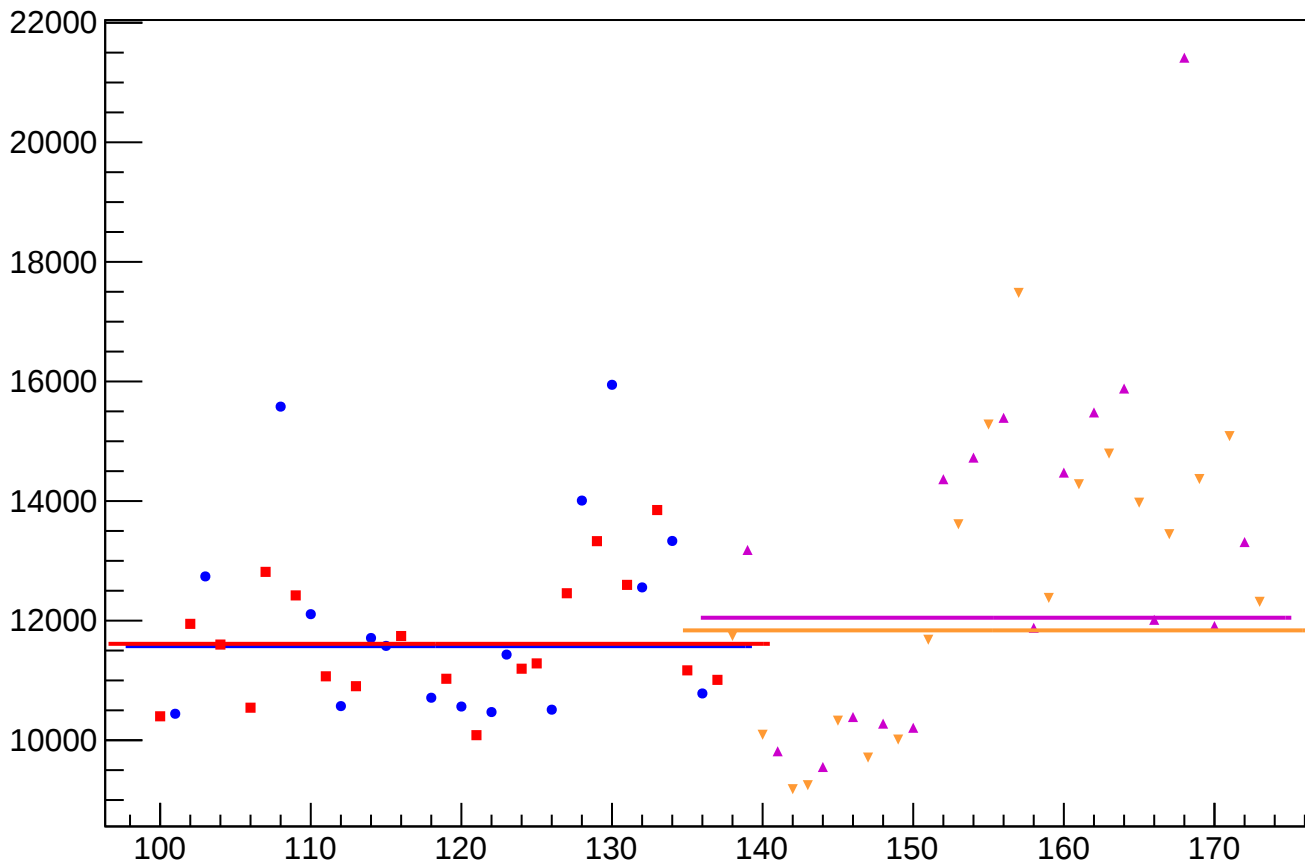
Left In: -1.534 ± 3.394 χ^2/NDF : 9.7/16

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

All: -1.119 ± 1.873 χ^2/NDF : 76.1/71

- sign -0.374 ± 2.681 χ^2/NDF : 30.0/35

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

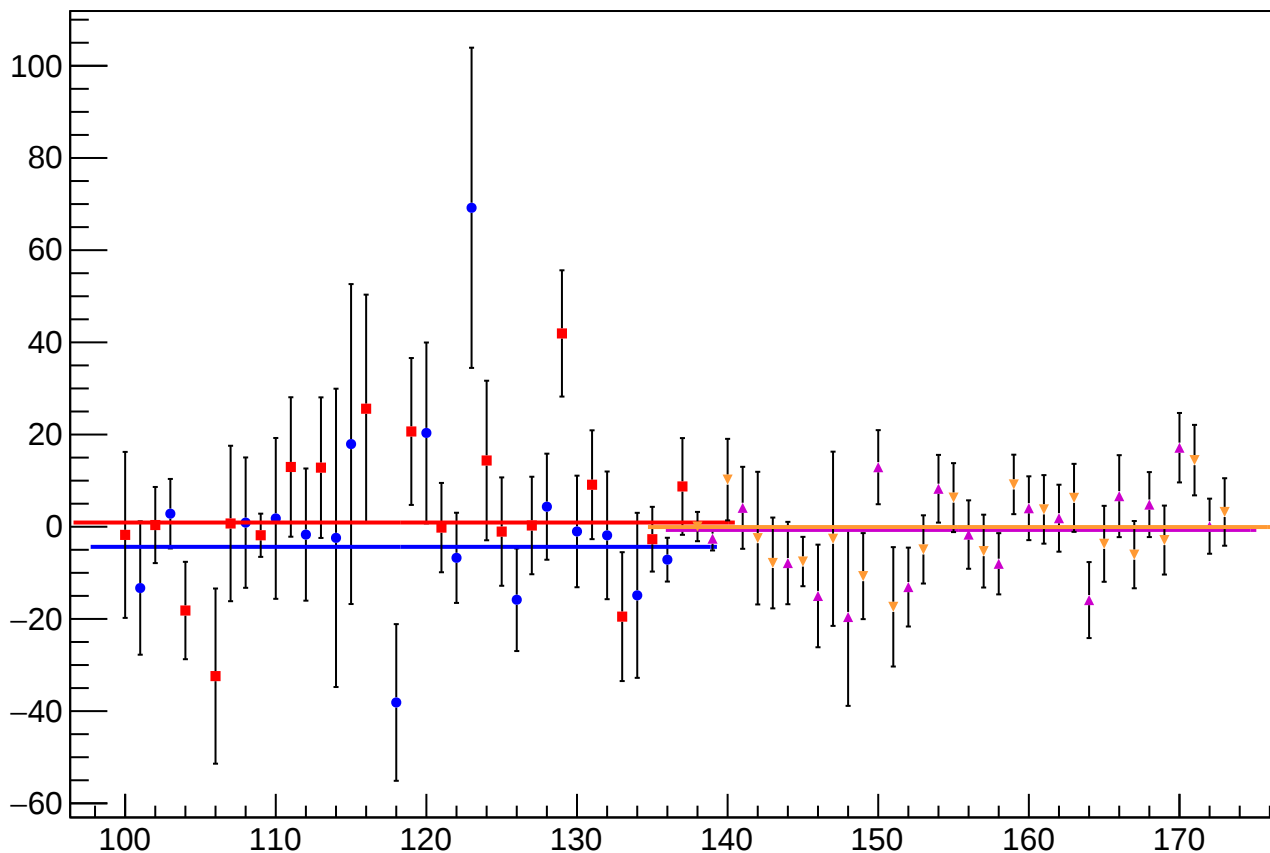
Left In: 12048.586 $\pm$ 2.400 χ^2 /NDF: 1049091.1/16

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

All: 11814.804 $\pm$ 1.324 χ^2 /NDF: 2329609.0/7

- sign 11884.495 $\pm$ 1.896 χ^2 /NDF: 1155828.8/35

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

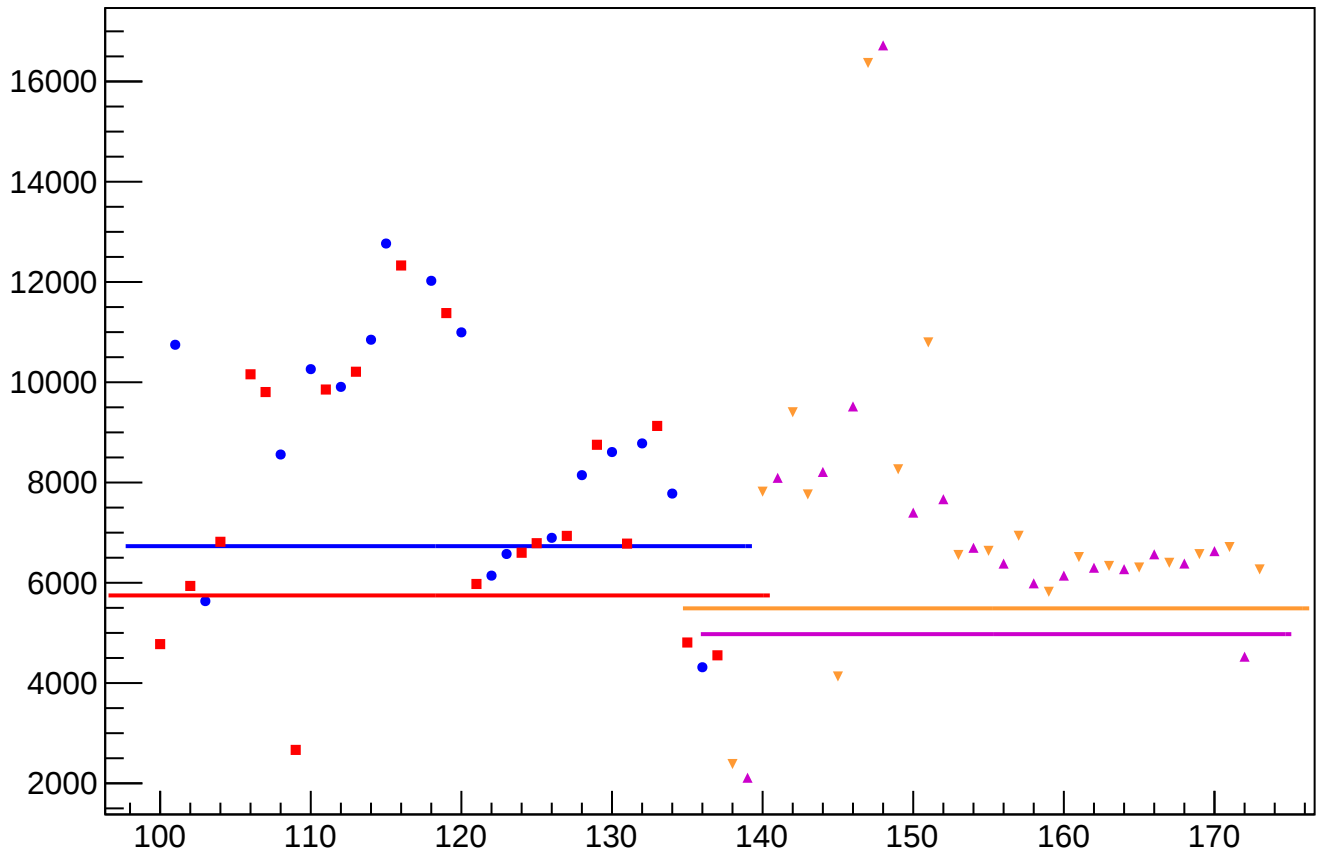
Left In: -0.690 ± 1.562 χ^2/NDF : 22.7/16

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

All: -0.659 ± 0.957 χ^2/NDF : 79.6/71

- sign -0.220 ± 1.313 χ^2/NDF : 46.5/35

diff_bpm11Y_rms vs Slug



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

Left Out: 5489.983+/-1.144 χ^2/NDF : 3997651.9/18

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

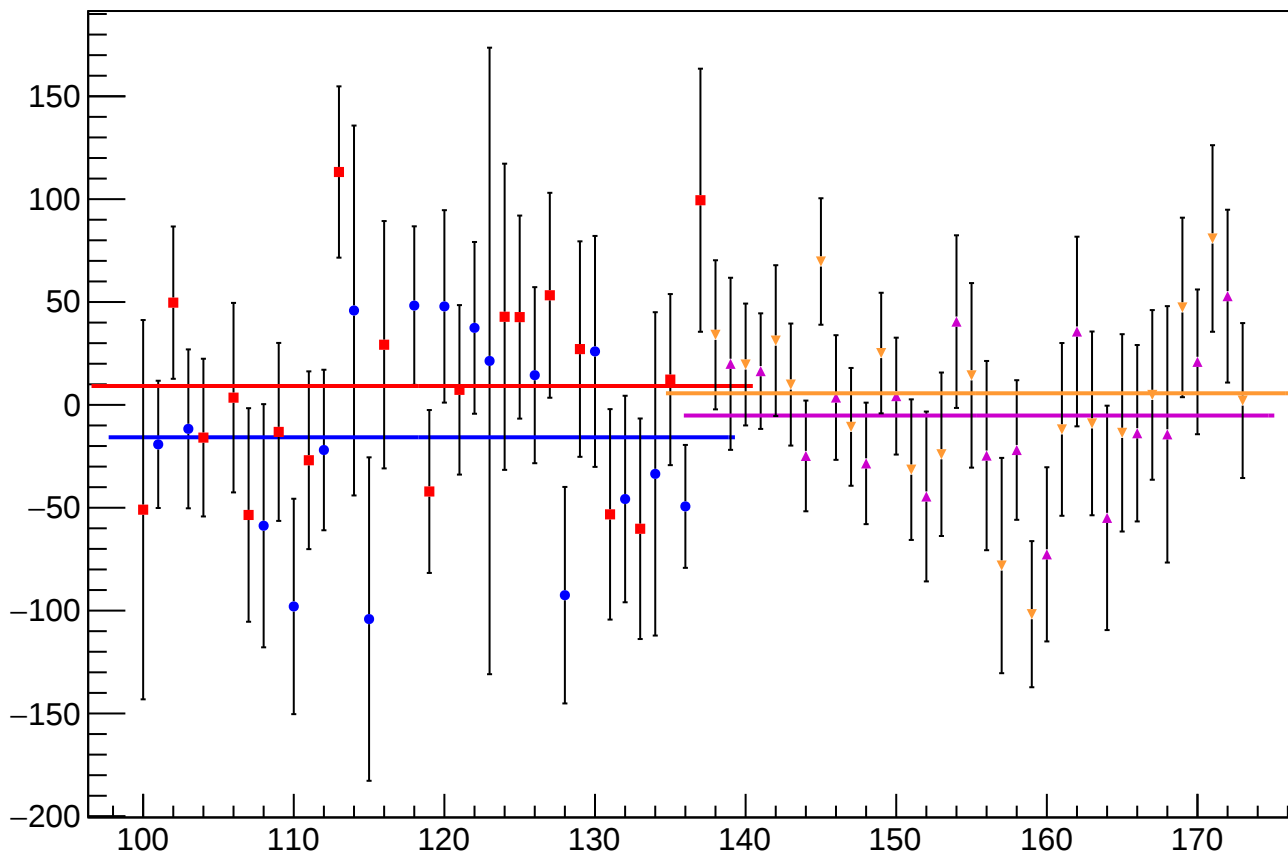
Left In: 4975.619+/-1.105 χ^2/NDF : 5117631.4/16

+ sign 5804.621+/-0.989 χ^2/NDF : 5741051.4/35

All: 5484.450+/-0.677 χ^2/NDF : 13361553.2/7

- sign 5201.882+/-0.929 χ^2/NDF : 7423037.7/35

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

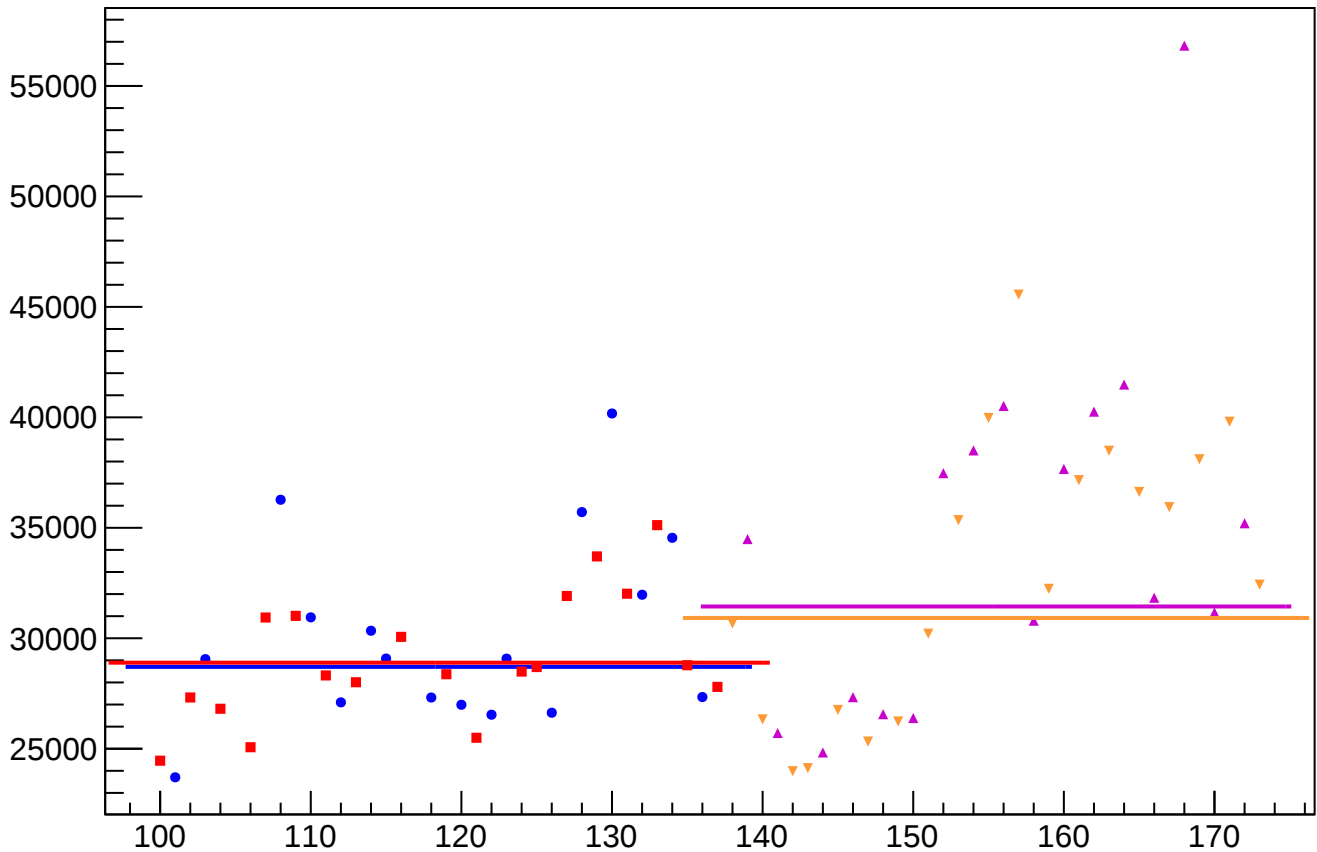
Left In: -5.175 ± 8.862 χ^2/NDF : 11.5/16

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

All: -0.782 ± 4.805 χ^2/NDF : 74.2/71

- sign 0.544 ± 6.874 χ^2/NDF : 31.8/35

diff_bpm12X_rms vs Slug



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

Left Out: 30920.023 ± 5.939 χ^2/NDF : 949072.9/18

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

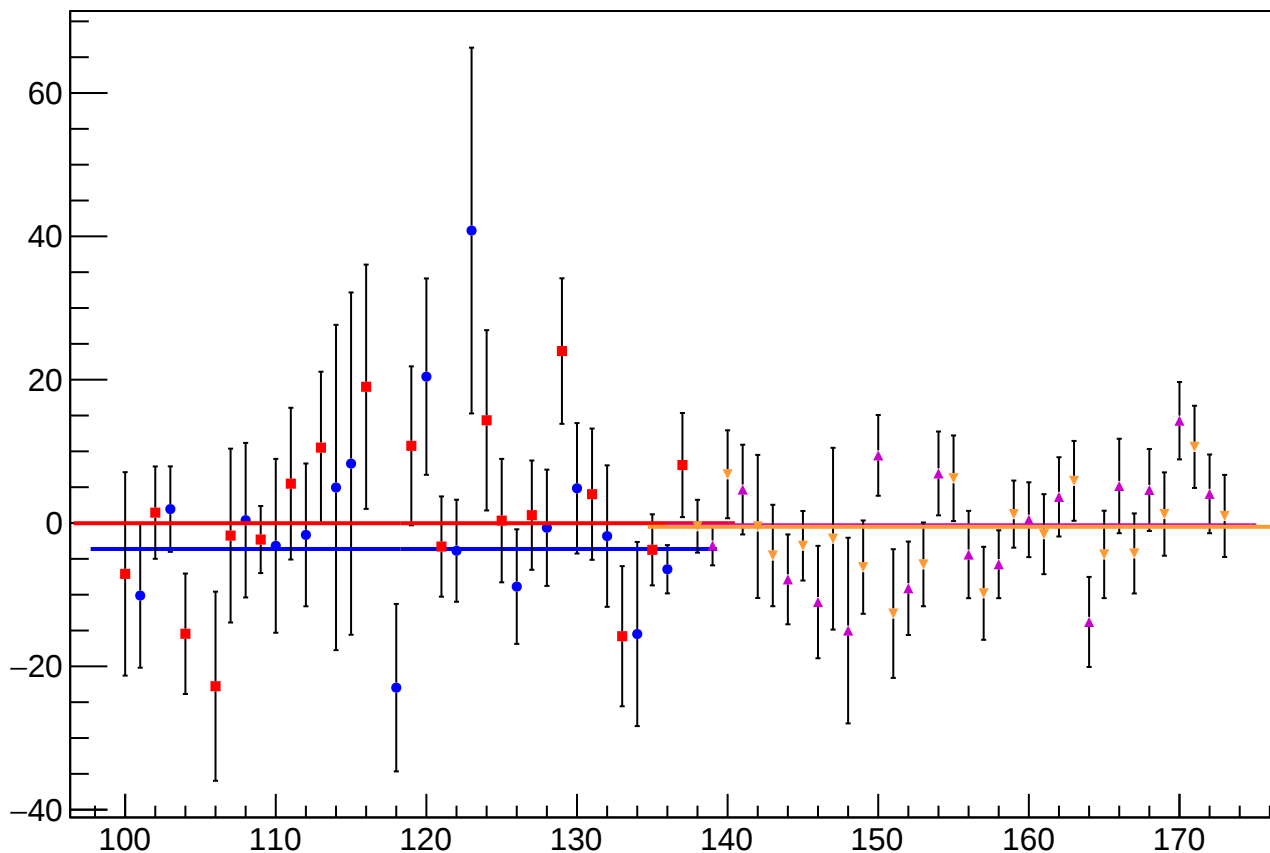
Left In: 31438.668 ± 6.267 χ^2/NDF : 1079443.7/16

+ sign 30123.676 ± 4.752 χ^2/NDF : 1250067.7/35

All: 30271.125 ± 3.398 χ^2/NDF : 2508315.5/7

- sign 30425.350 ± 4.860 χ^2/NDF : 1256278.2/35

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

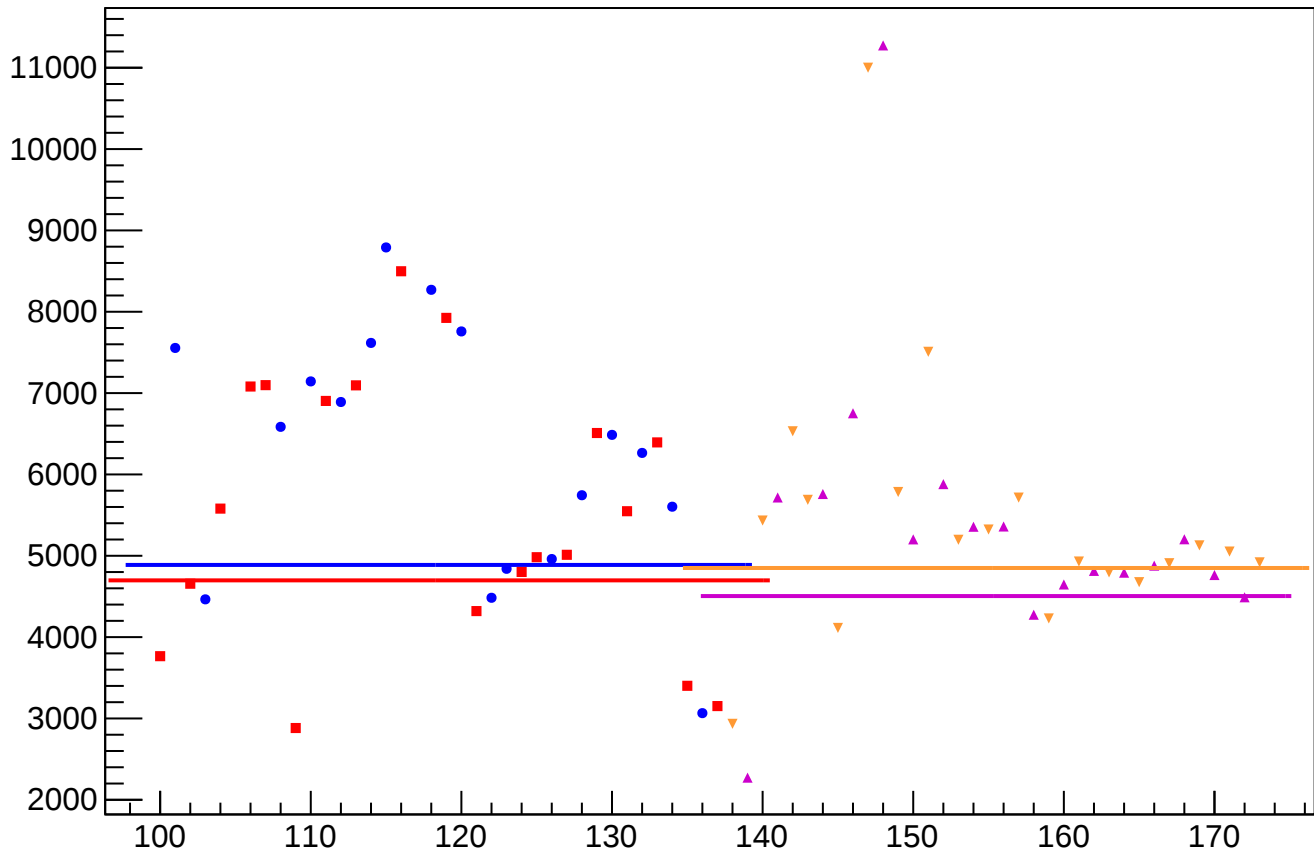
Left In: -0.314 ± 1.318 χ^2/NDF : 28.9/16

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

All: -0.832 ± 0.776 χ^2/NDF : 82.1/71

- sign -0.220 ± 1.081 χ^2/NDF : 51.0/35

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

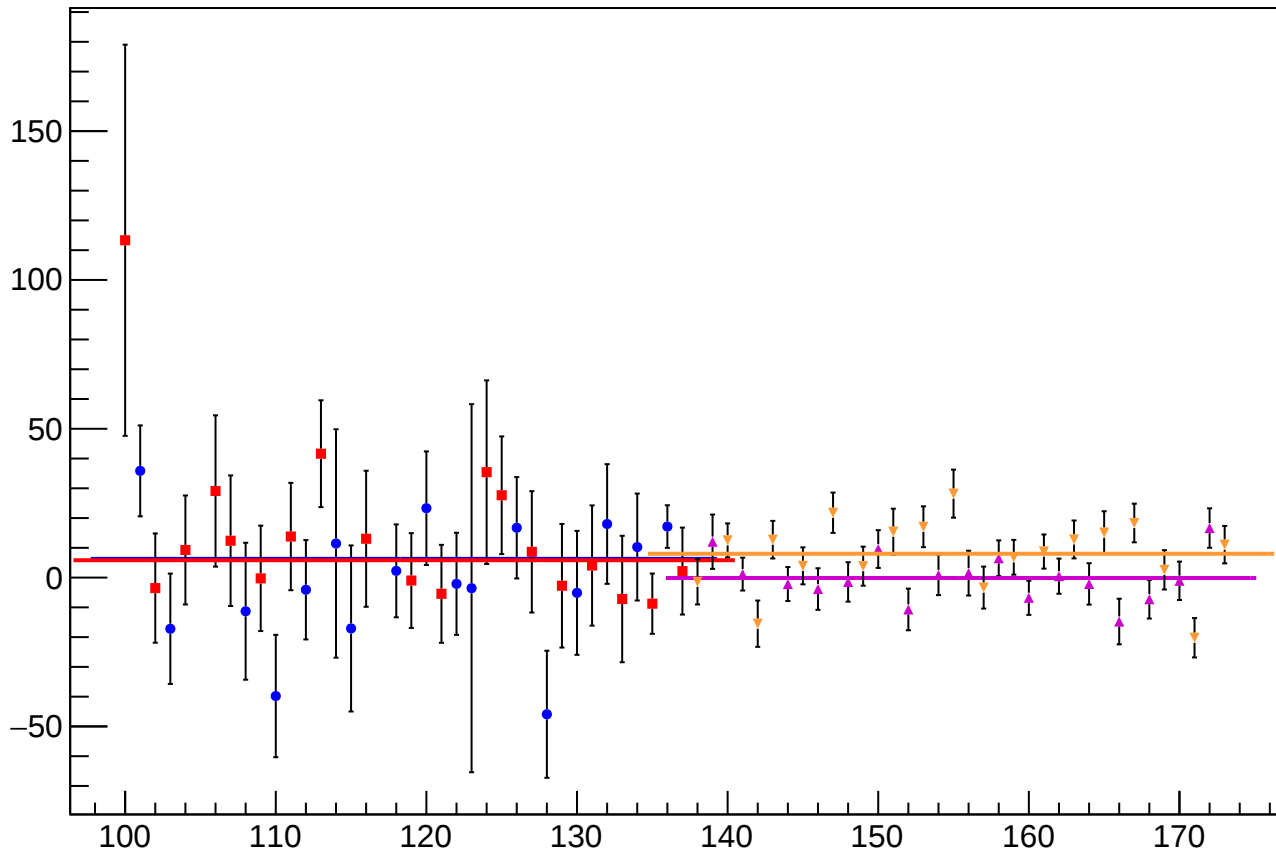
Left In: 4504.726 $\pm$ 0.932 χ^2 /NDF:2431652.9/16

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

All: 4710.128 $\pm$ 0.549 χ^2 /NDF: 6716907.1/71

- sign 4567.865 $\pm$ 0.764 χ^2 /NDF: 3758807.4/35

diff_bpm16X_mean vs Slug



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

Left Out: 8.008 ± 1.520 χ^2/NDF : 51.6/18

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

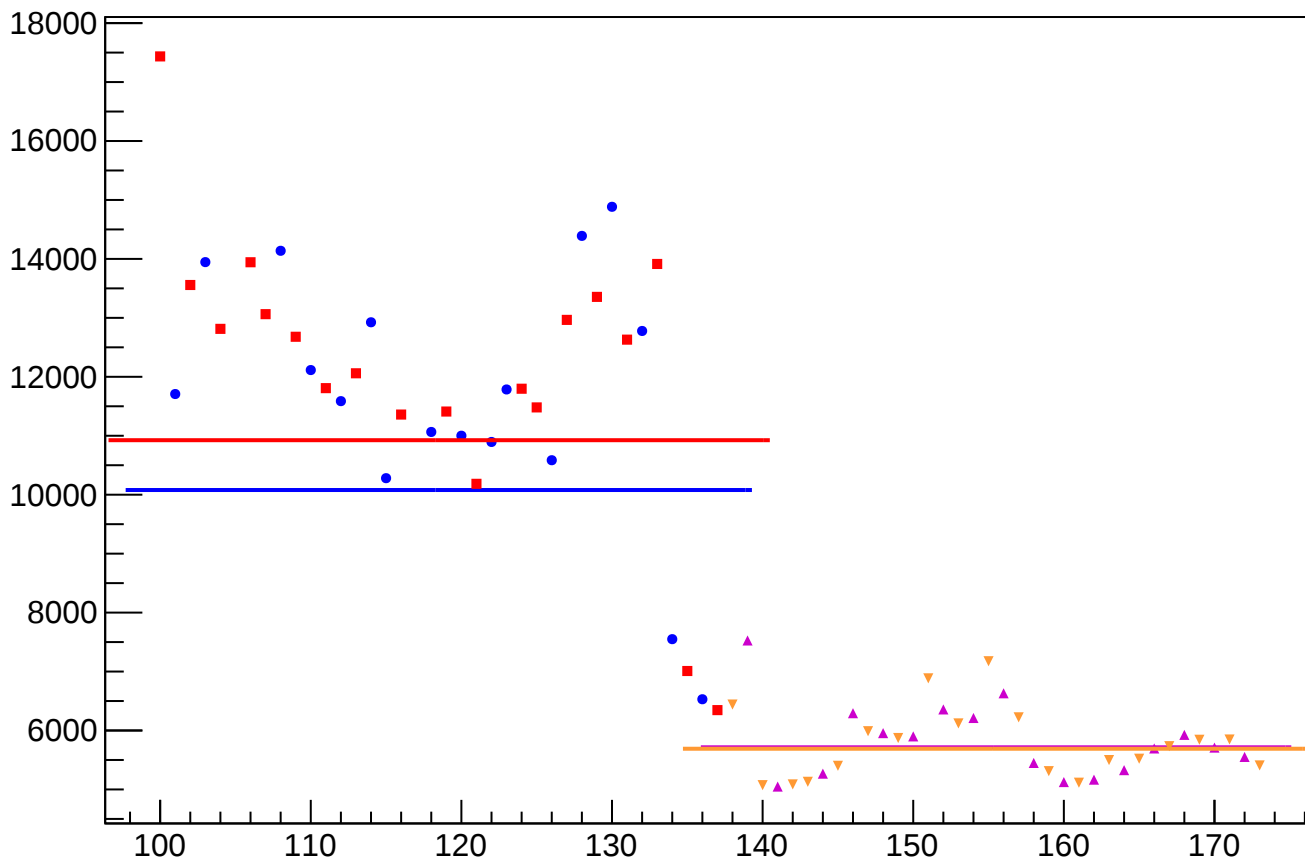
Left In: -0.142 ± 1.584 χ^2/NDF : 20.9/16

+ sign 7.796 ± 1.424 χ^2/NDF : 74.3/35

All: 4.342 ± 1.027 χ^2/NDF : 123.0/71

- sign 0.596 ± 1.483 χ^2/NDF : 36.5/35

diff_bpm16X_rms vs Slug



Right In: 10079.454+/-2.874 χ^2/NDF : 994683.1/16

Left Out: 5690.540+/-1.075 χ^2/NDF : 252870.5/18

Right Out: 10924.541+/-2.983 χ^2/NDF : 768447.5/18

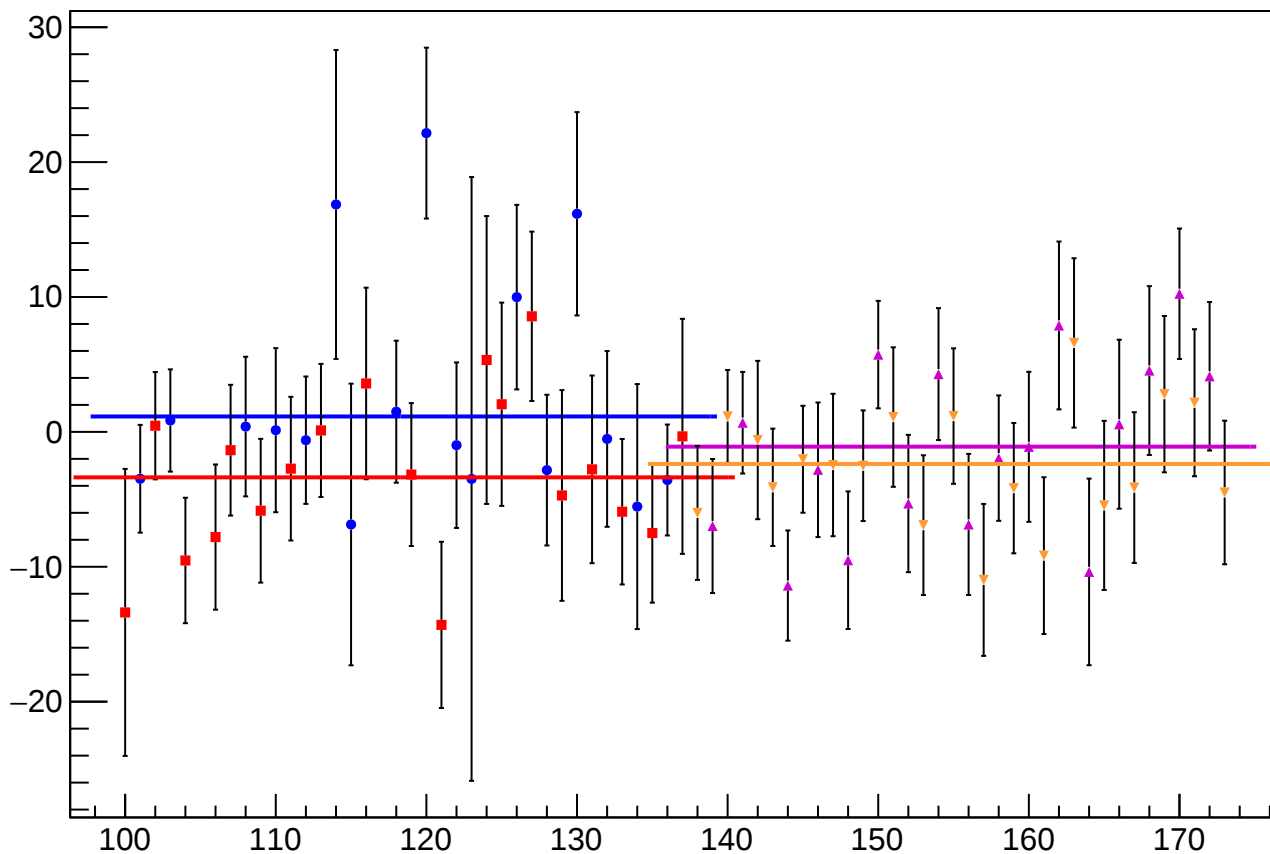
Left In: 5715.103+/-1.120 χ^2/NDF : 247451.9/16

+ sign 6229.418+/-1.007 χ^2/NDF : 3293607.4/35

All: 6291.497+/-0.726 χ^2/NDF : 6989774.9/71

- sign 6358.828+/-1.049 χ^2/NDF : 3688244.8/35

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

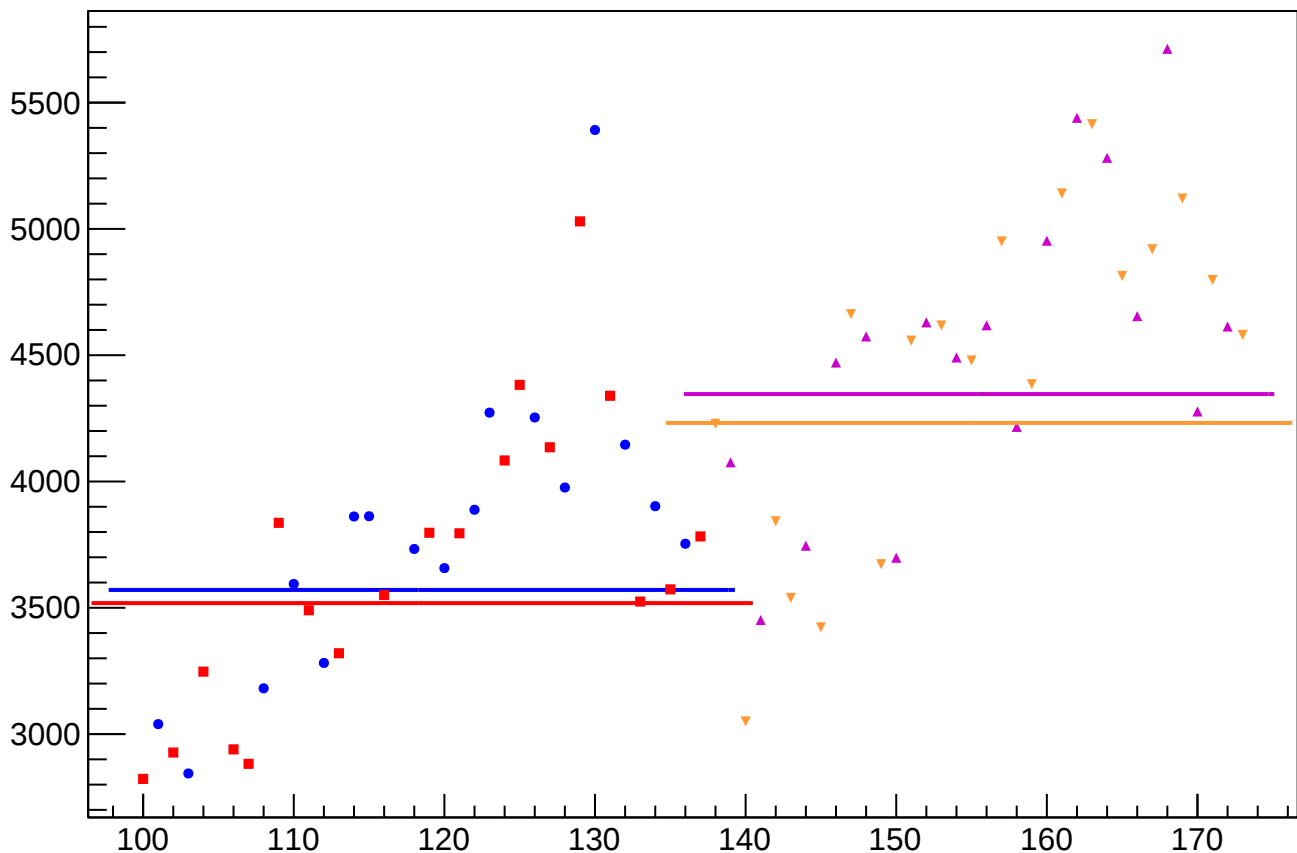
Left In: -1.095 ± 1.211 χ^2/NDF : 28.1/16

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

All: -1.536 ± 0.629 χ^2/NDF : 84.1/71

- sign -2.124 ± 0.896 χ^2/NDF : 44.7/35

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

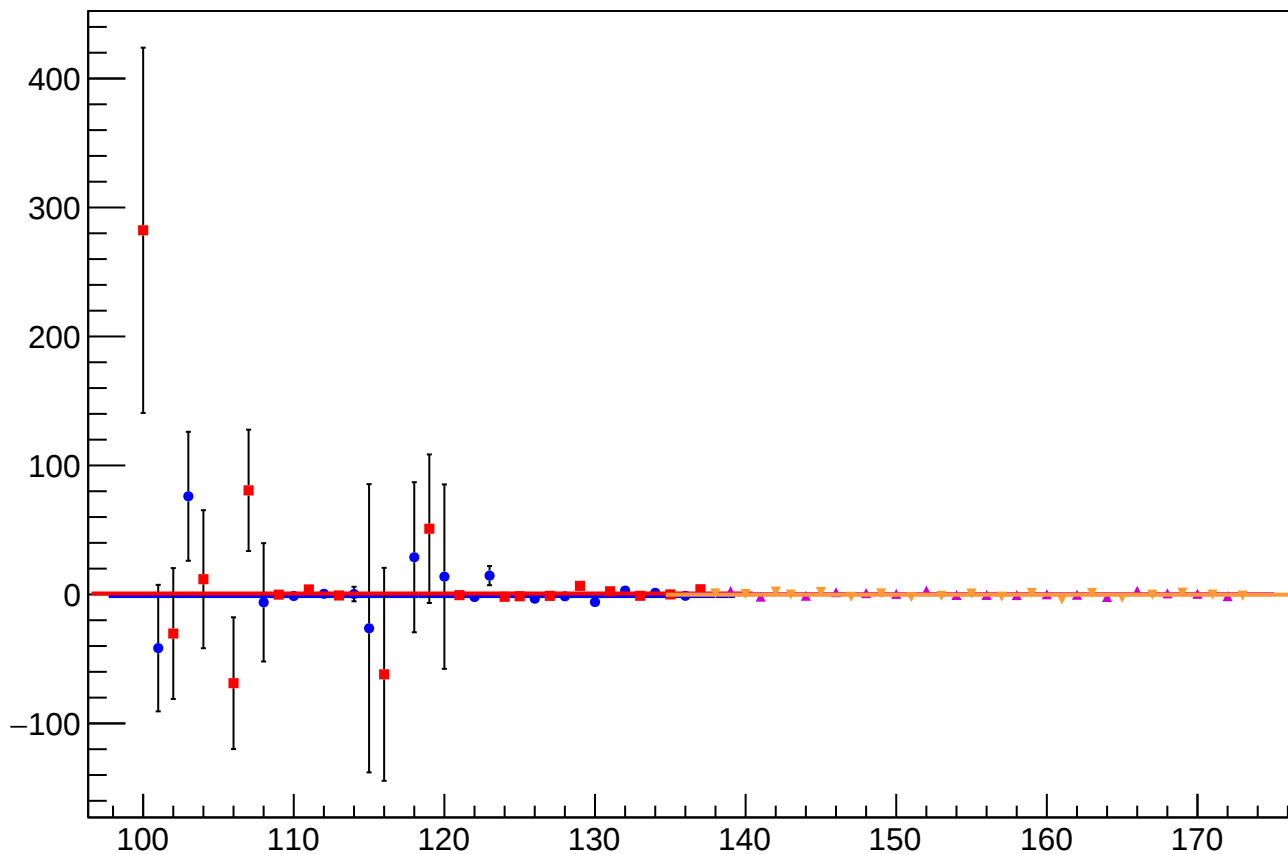
Left In: 4346.244+/-0.856 χ^2/NDF : 462578.6/16

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

All: 3969.173+/-0.445 χ^2/NDF : 2488675.1/71

- sign 3972.001+/-0.634 χ^2/NDF : 1178054.6/35

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

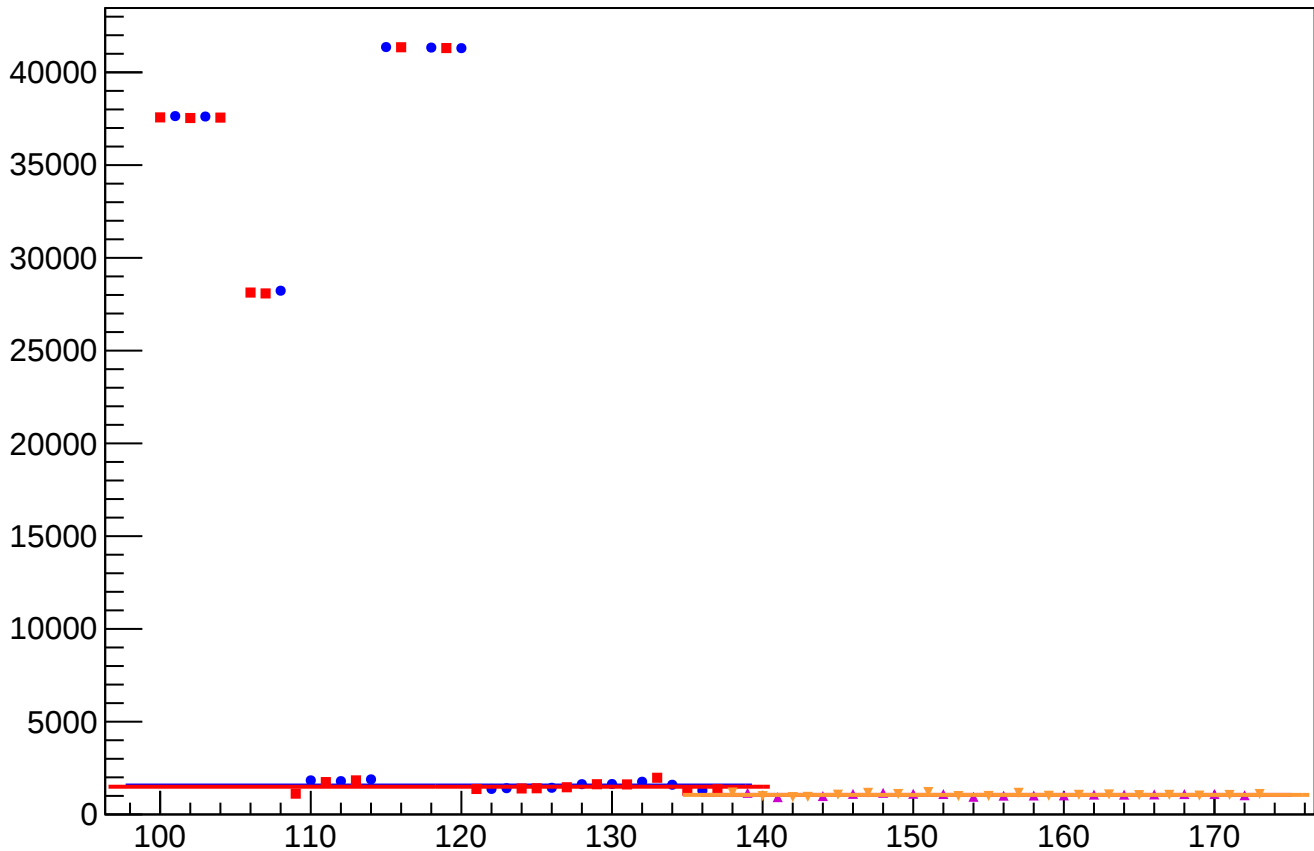
Left In: 0.199 ± 0.291 χ^2/NDF : 23.9/16

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

All: -0.034 ± 0.188 χ^2/NDF : 99.1/71

- sign 0.276 ± 0.270 χ^2/NDF : 46.4/35

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

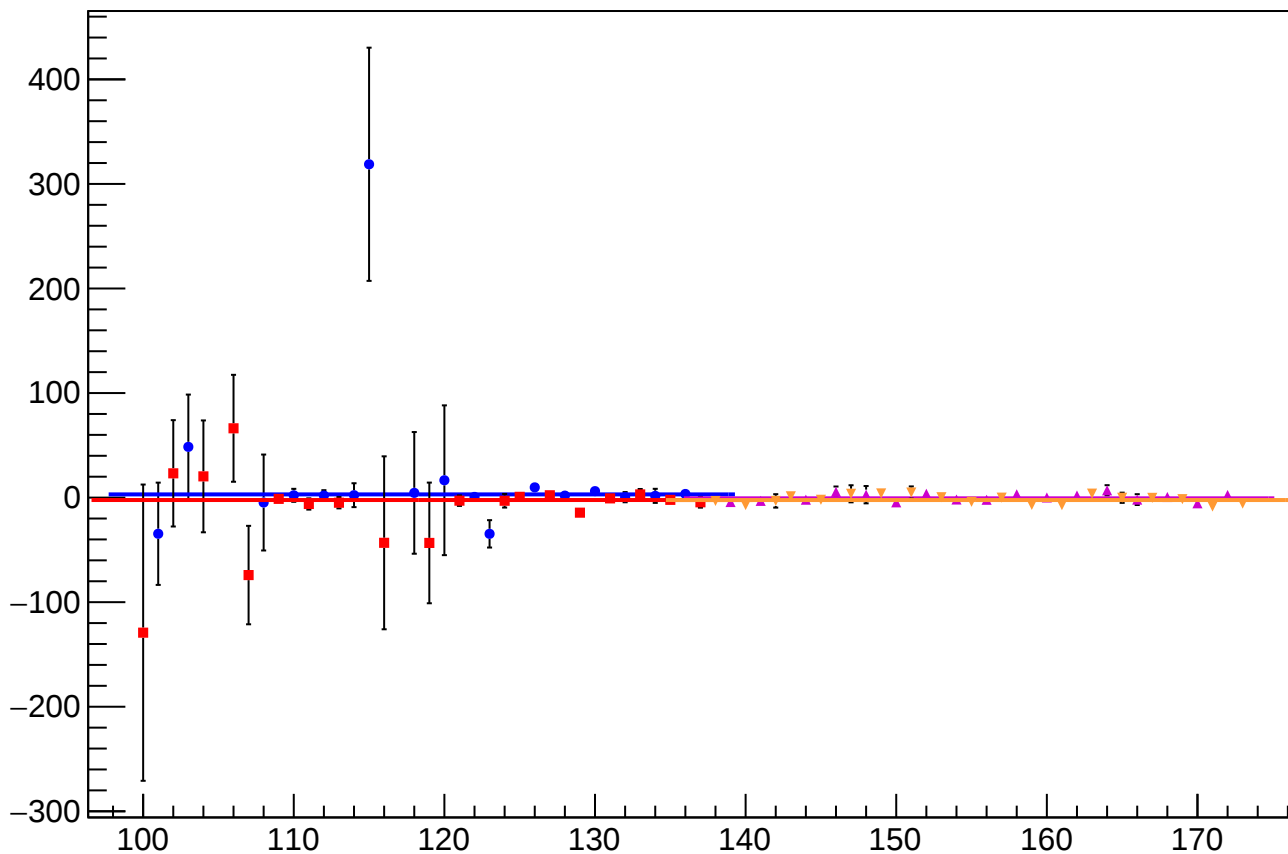
Left In: 1053.602 $\pm$ 0.206 χ^2 /NDF: 105287.8/16

+ sign 1116.610 $\pm$ 0.186 χ^2 /NDF: 5686668.9/35

All: 1116.848 $\pm$ 0.133 χ^2 /NDF: 11344891.5/7

- sign 1117.098 $\pm$ 0.191 χ^2 /NDF: 5658219.2/35

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

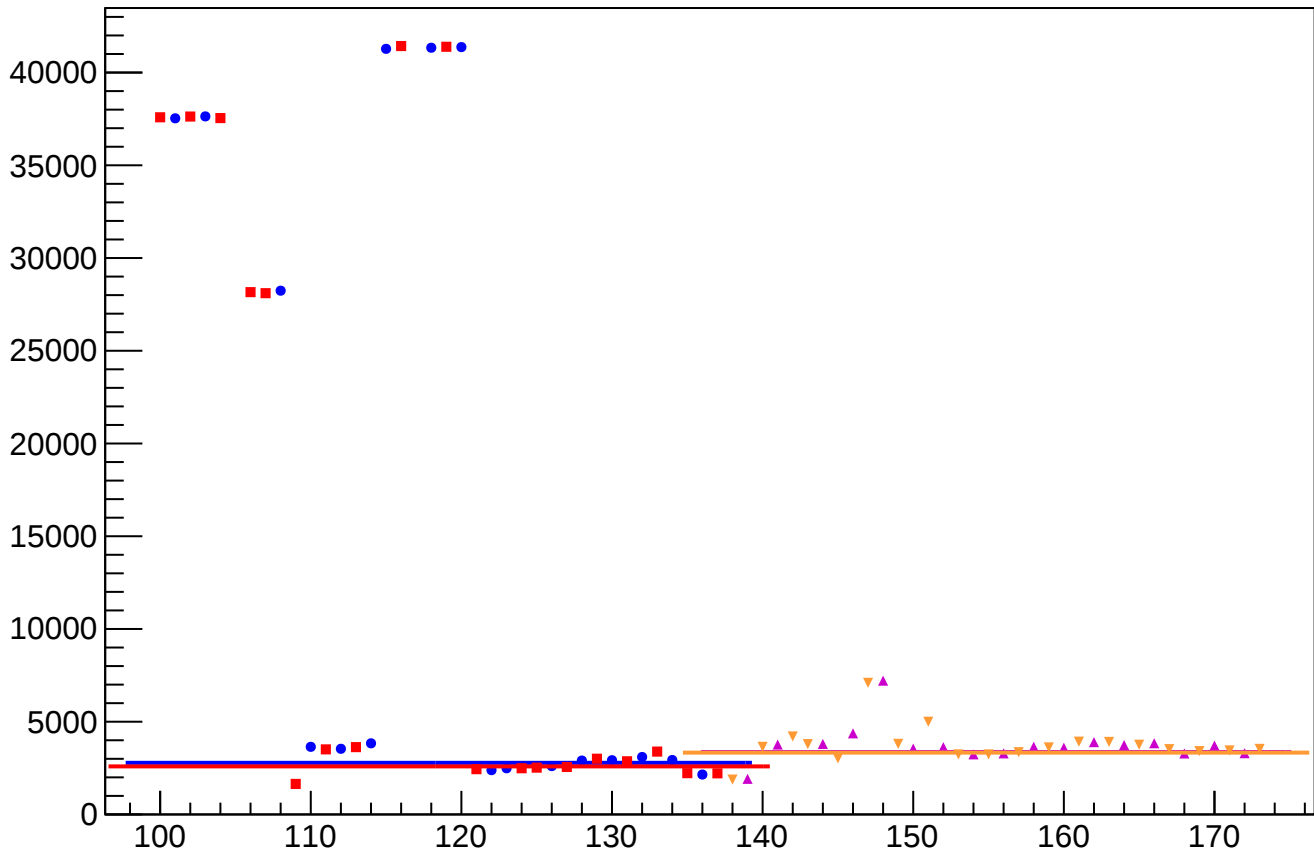
Left In: -0.680 ± 0.962 χ^2/NDF : 12.7/16

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

All: -0.930 ± 0.535 χ^2/NDF : 79.9/71

- sign -1.294 ± 0.759 χ^2/NDF : 30.7/35

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

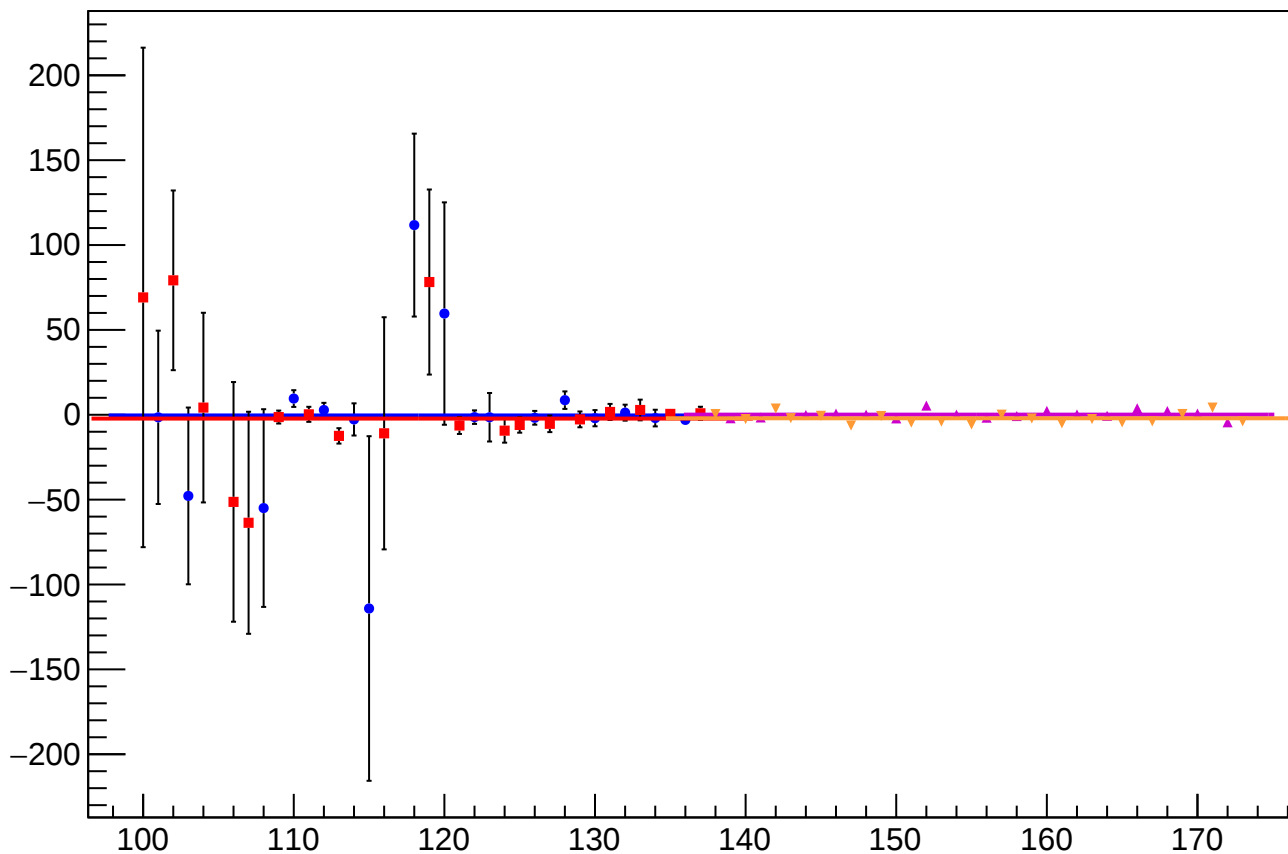
Left In: 3367.846+/-0.680 χ^2/NDF : 1403557.8/16

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

All: 3114.774+/-0.379 χ^2/NDF : 13189959.5/7

- sign 3074.268+/-0.537 χ^2/NDF : 6742678.1/35

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

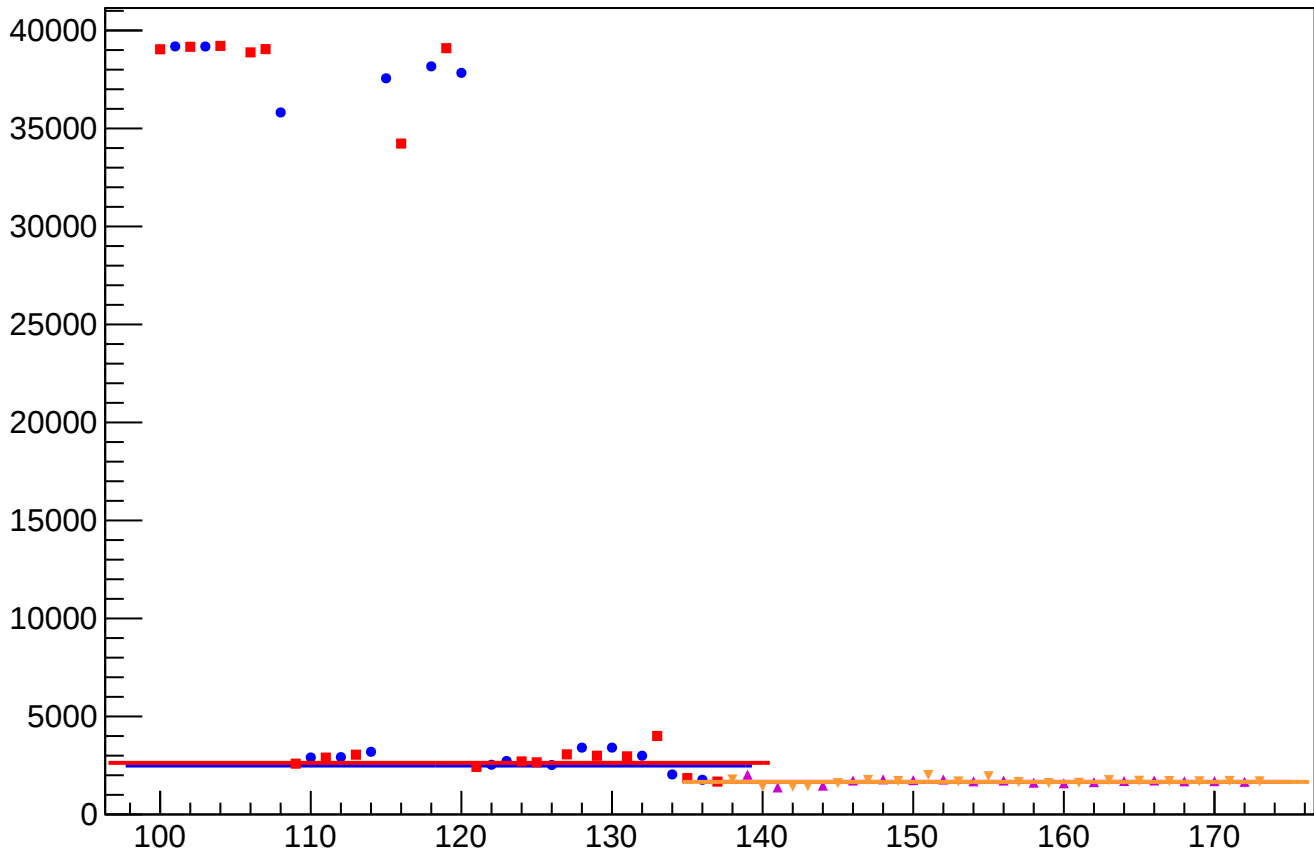
Left In: 0.080 ± 0.460 χ^2/NDF : 22.6/16

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

All: -1.065 ± 0.300 χ^2/NDF : 109.5/71

- sign -0.199 ± 0.432 χ^2/NDF : 43.1/35

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1661.024 $\pm$ 0.313 χ^2 /NDF: 214829.7/18

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

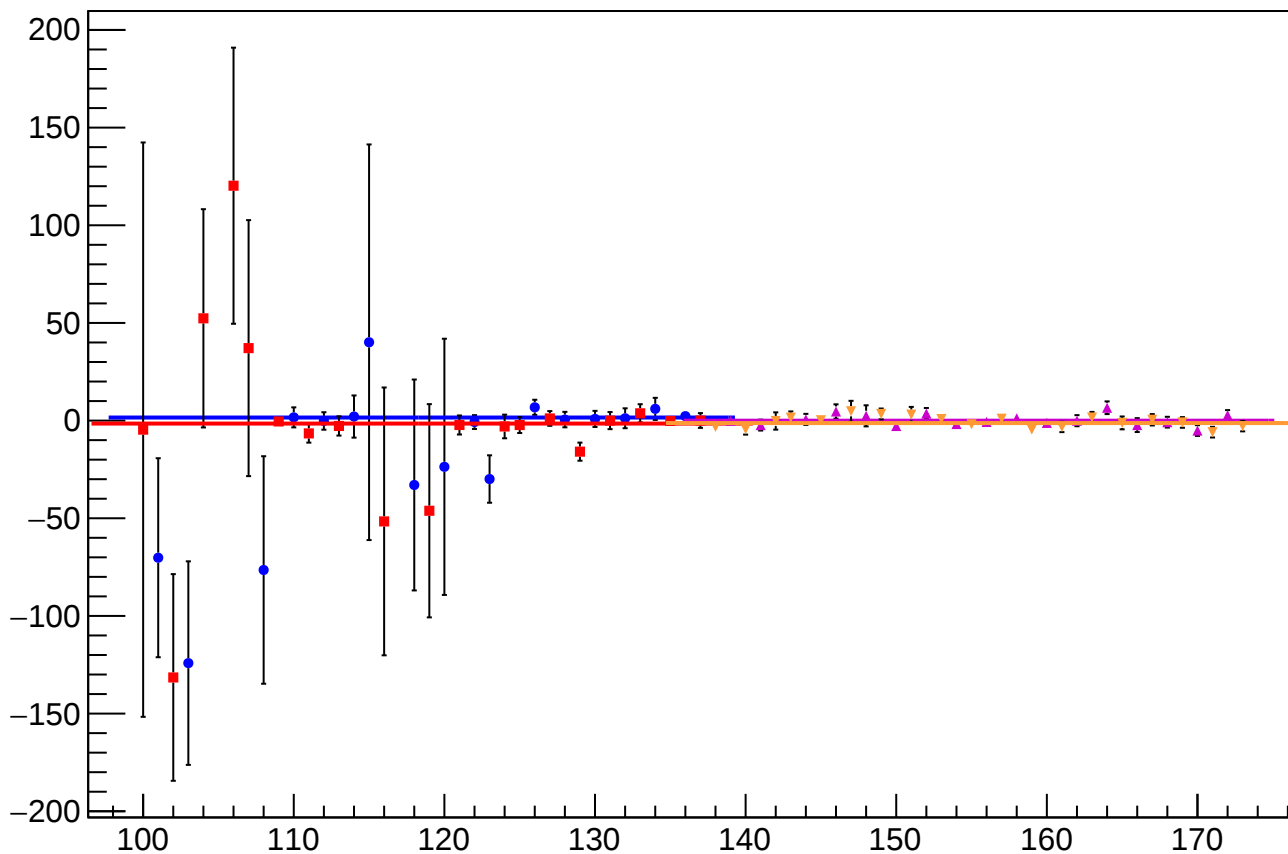
Left In: 1662.606 $\pm$ 0.326 χ^2 /NDF: 178195.1/16

+ sign 1758.623 $\pm$ 0.294 χ^2 /NDF: 5926595.0/35

All: 1768.539 $\pm$ 0.212 χ^2 /NDF: 12035693.2/7

- sign 1779.200 $\pm$ 0.305 χ^2 /NDF: 6106745.4/35

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

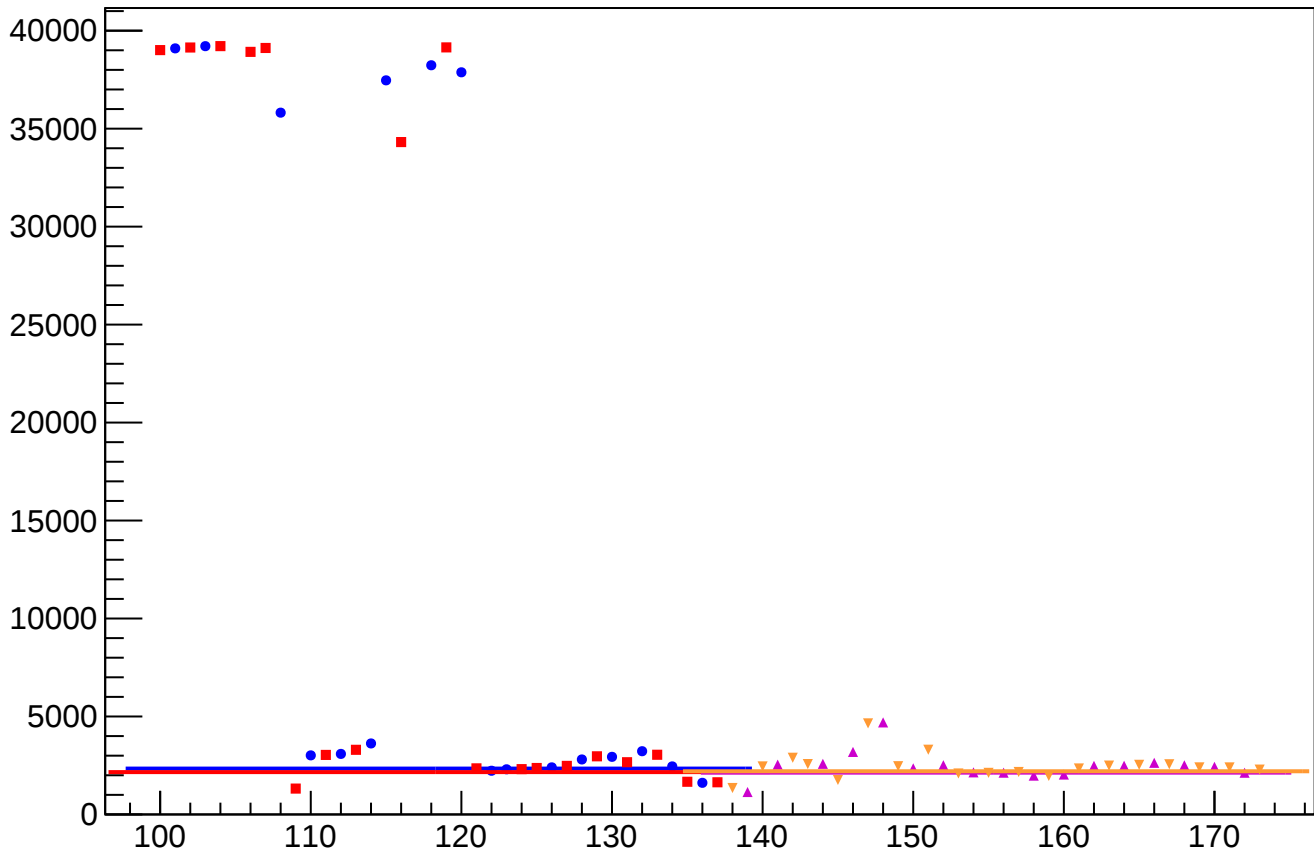
Left In: -0.044 ± 0.618 χ^2/NDF : 15.7/16

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

All: -0.524 ± 0.379 χ^2/NDF : 85.8/71

- sign -0.418 ± 0.534 χ^2/NDF : 42.2/35

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2204.166+/-0.431 χ^2/NDF : 1404598.8/18

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

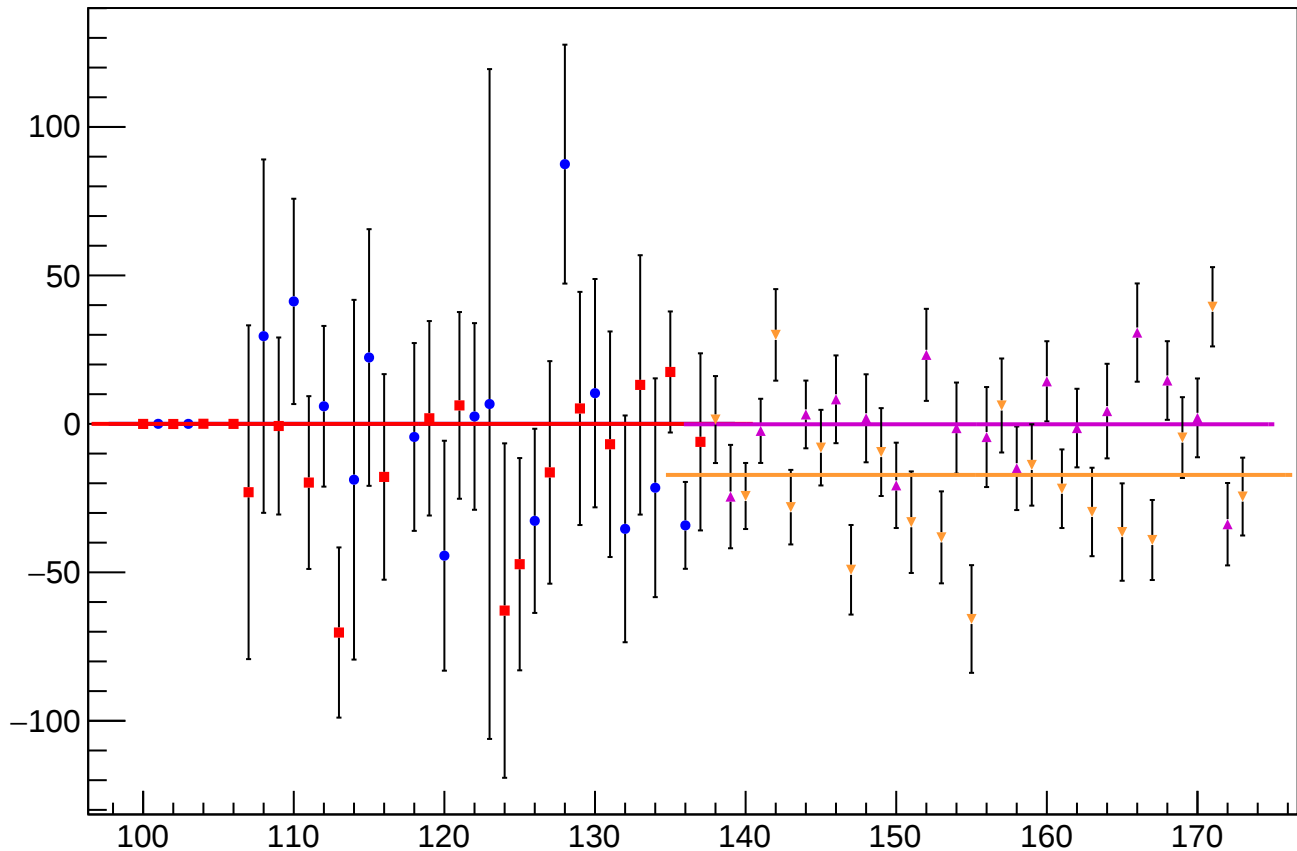
Left In: 2134.231+/-0.437 χ^2/NDF : 1943736.5/16

+ sign 2234.500+/-0.380 χ^2/NDF : 6433822.6/35

All: 2187.417+/-0.268 χ^2/NDF : 13707990.5/70

- sign 2141.035+/-0.378 χ^2/NDF : 7243747.5/35

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

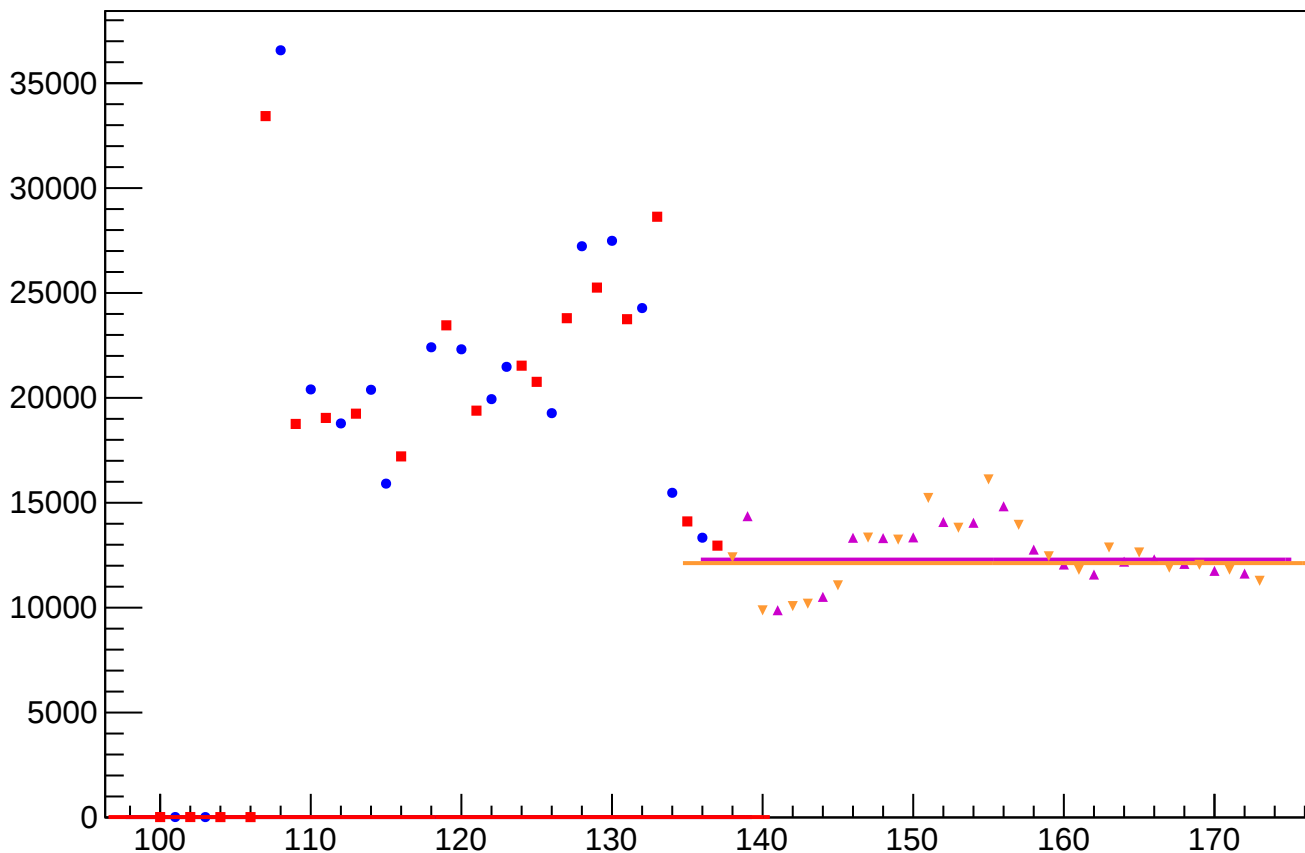
Left In: -0.132 ± 3.413 χ^2/NDF : 19.8/16

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

All: 0.008 ± 0.012 χ^2/NDF : 133.5/71

- sign 0.003 ± 0.016 χ^2/NDF : 35.7/35

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

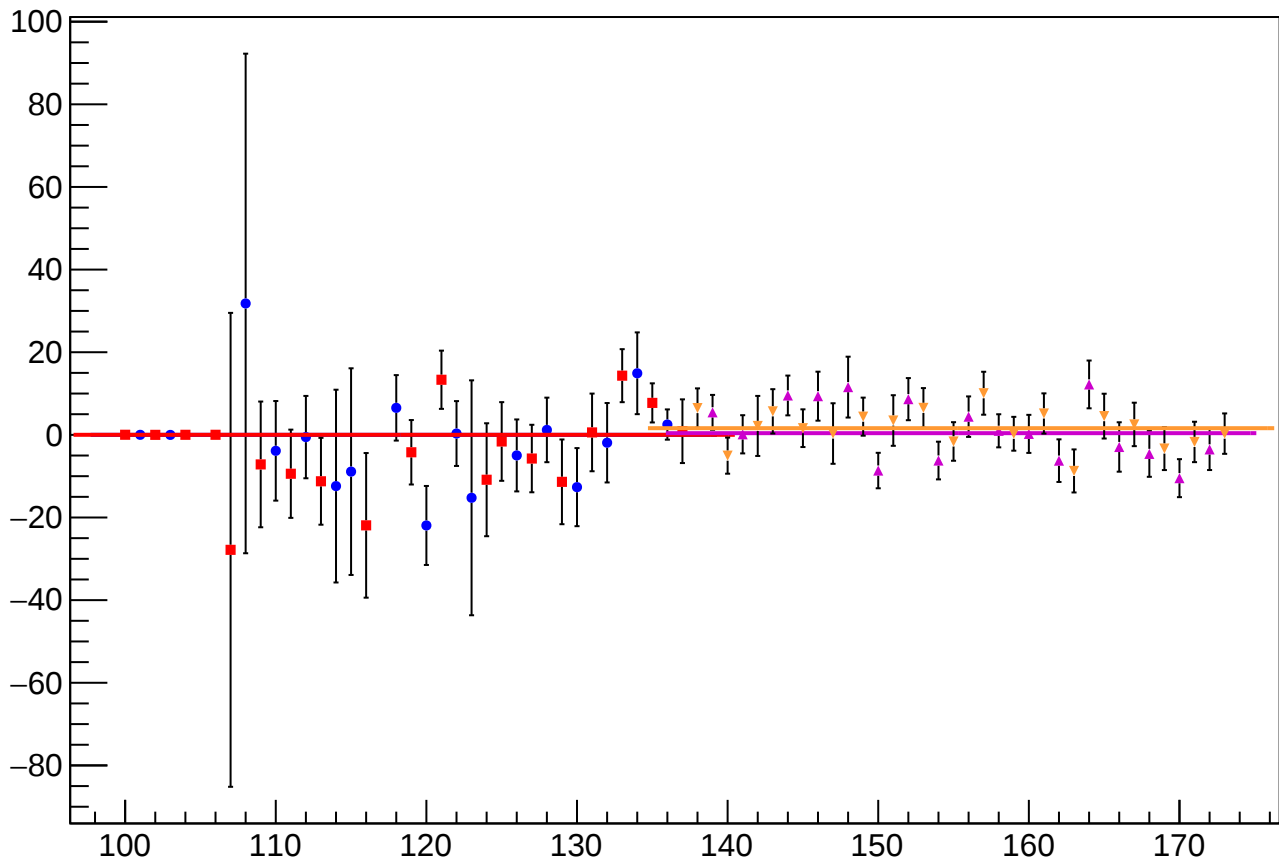
Left In: 12291.642 $\pm$ 2.413 χ^2 /NDF: 322383.3/16

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

All: 18.770 $\pm$ 0.008 χ^2 /NDF: 76448367.3/71

- sign 18.584 $\pm$ 0.011 χ^2 /NDF: 37298972.4/35

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

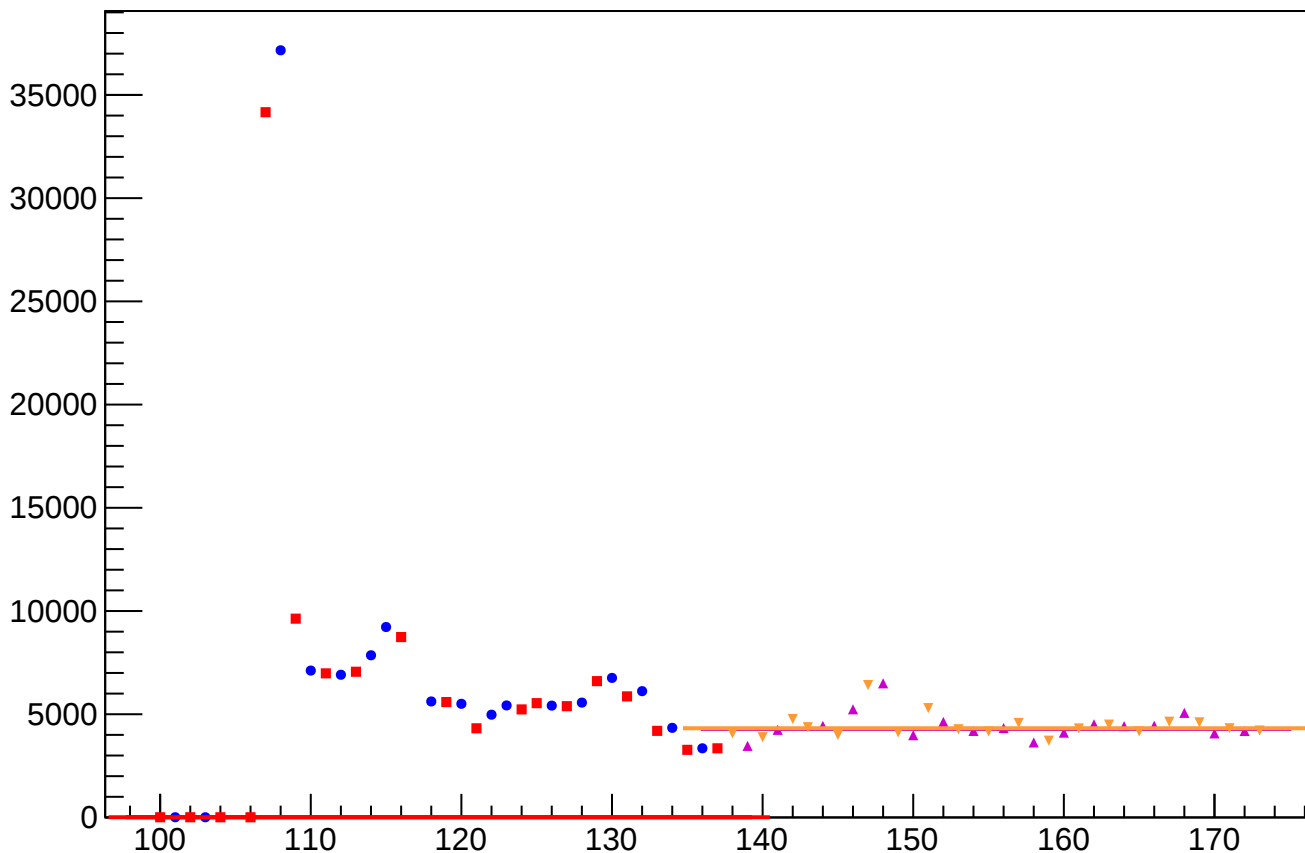
Left In: 0.411 $\pm$ 1.195 χ^2 /NDF:32.6/16

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

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 82.4/71

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 51.3/35

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

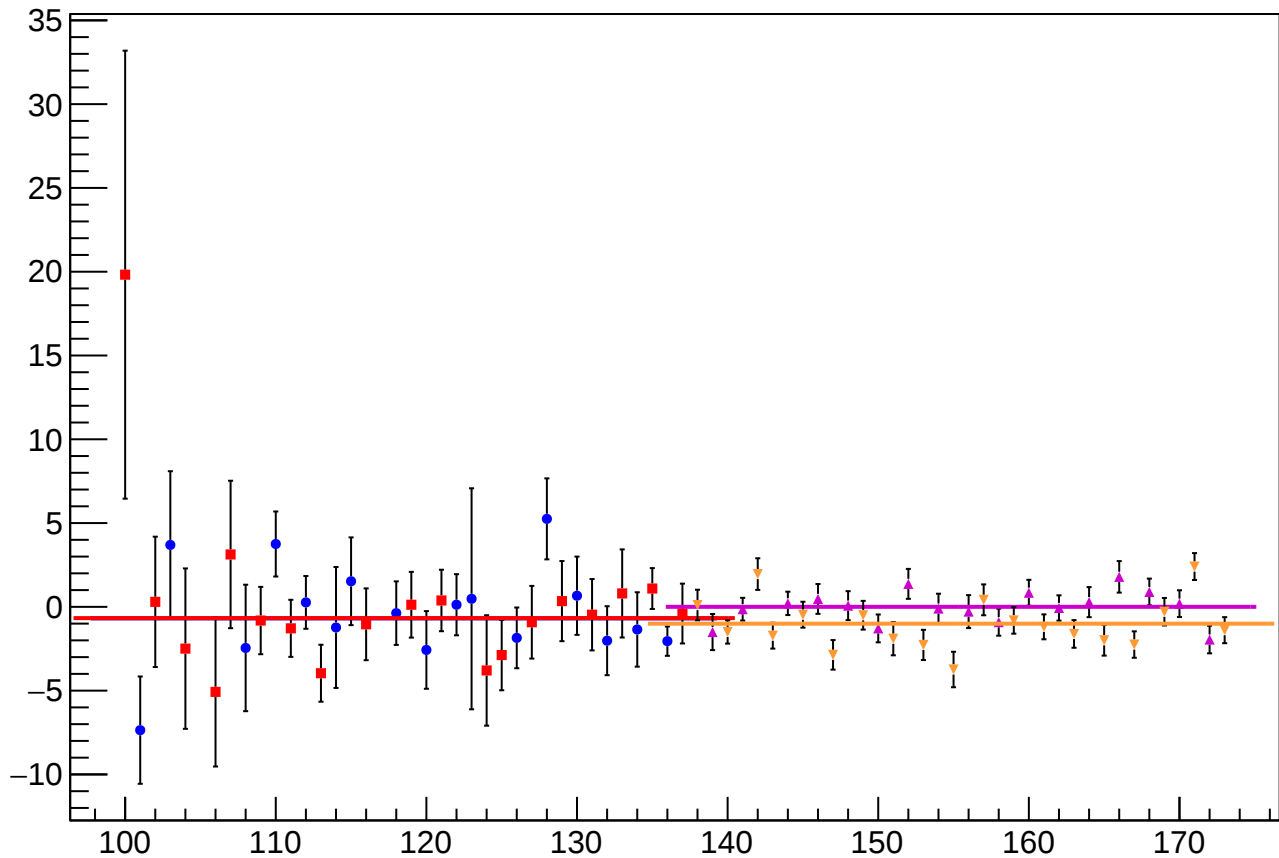
Left In: 4286.099+/-0.845 χ^2/NDF : 436769.9/16

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

All: 10.141+/-0.004 χ^2/NDF : 76390720.8/71

- sign 10.078+/-0.006 χ^2/NDF : 37208871.6/35

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

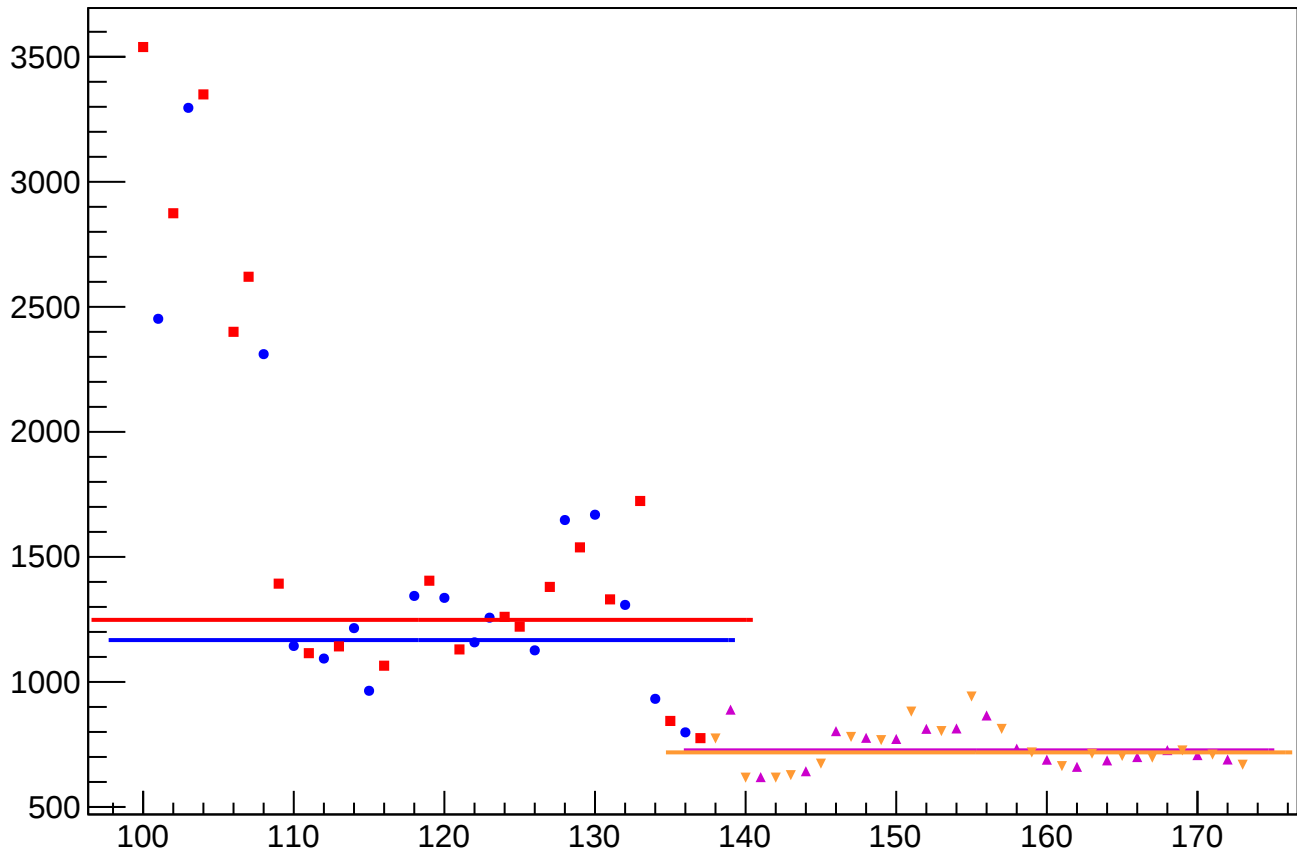
Left In: 0.002 ± 0.201 χ^2/NDF : 20.3/16

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

All: -0.546 ± 0.129 χ^2/NDF : 122.6/71

- sign -0.092 ± 0.187 χ^2/NDF : 35.2/35

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

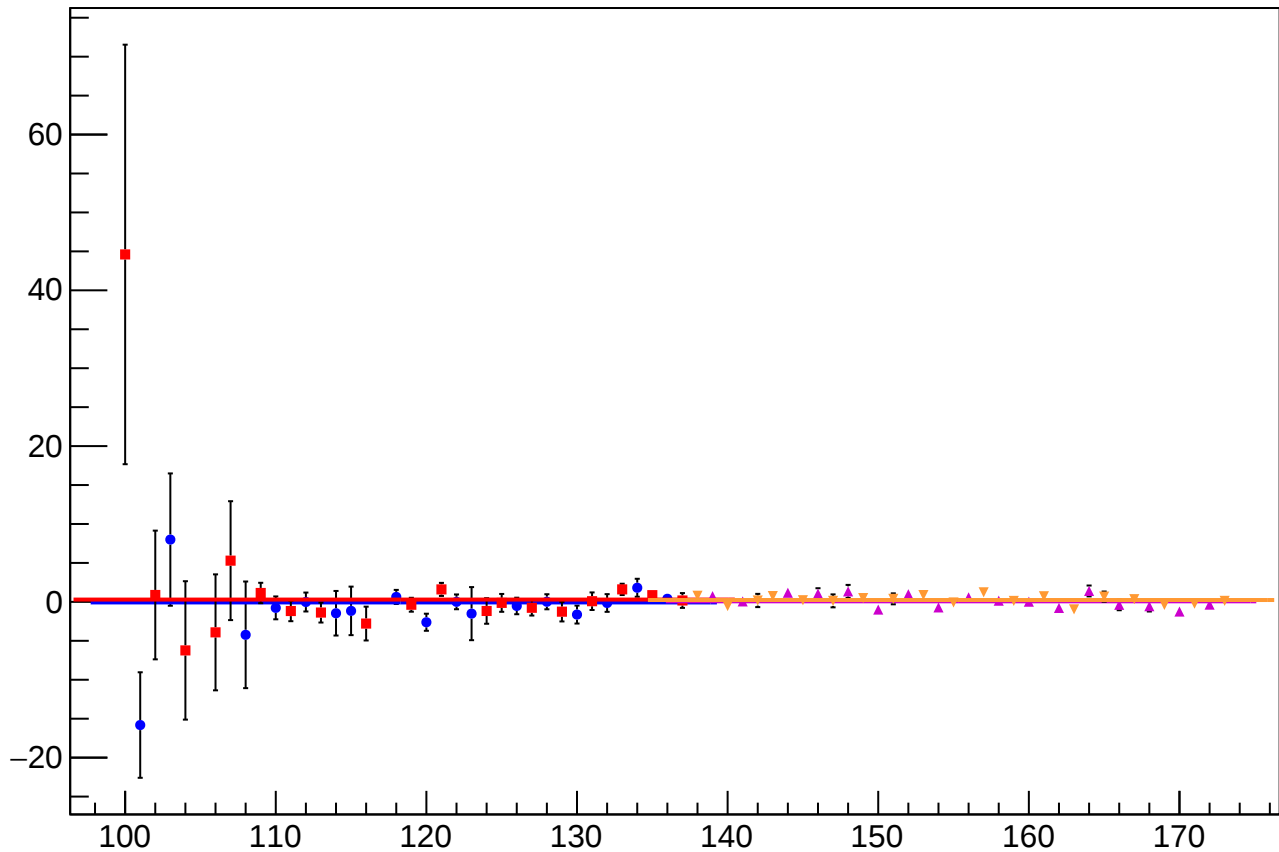
Left In: 726.400 $\pm$ 0.142 χ^2 /NDF: 260909.2/16

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

All: 789.016 $\pm$ 0.091 χ^2 /NDF: 7197818.8/71

- sign 799.074 $\pm$ 0.132 χ^2 /NDF: 3785012.9/35

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

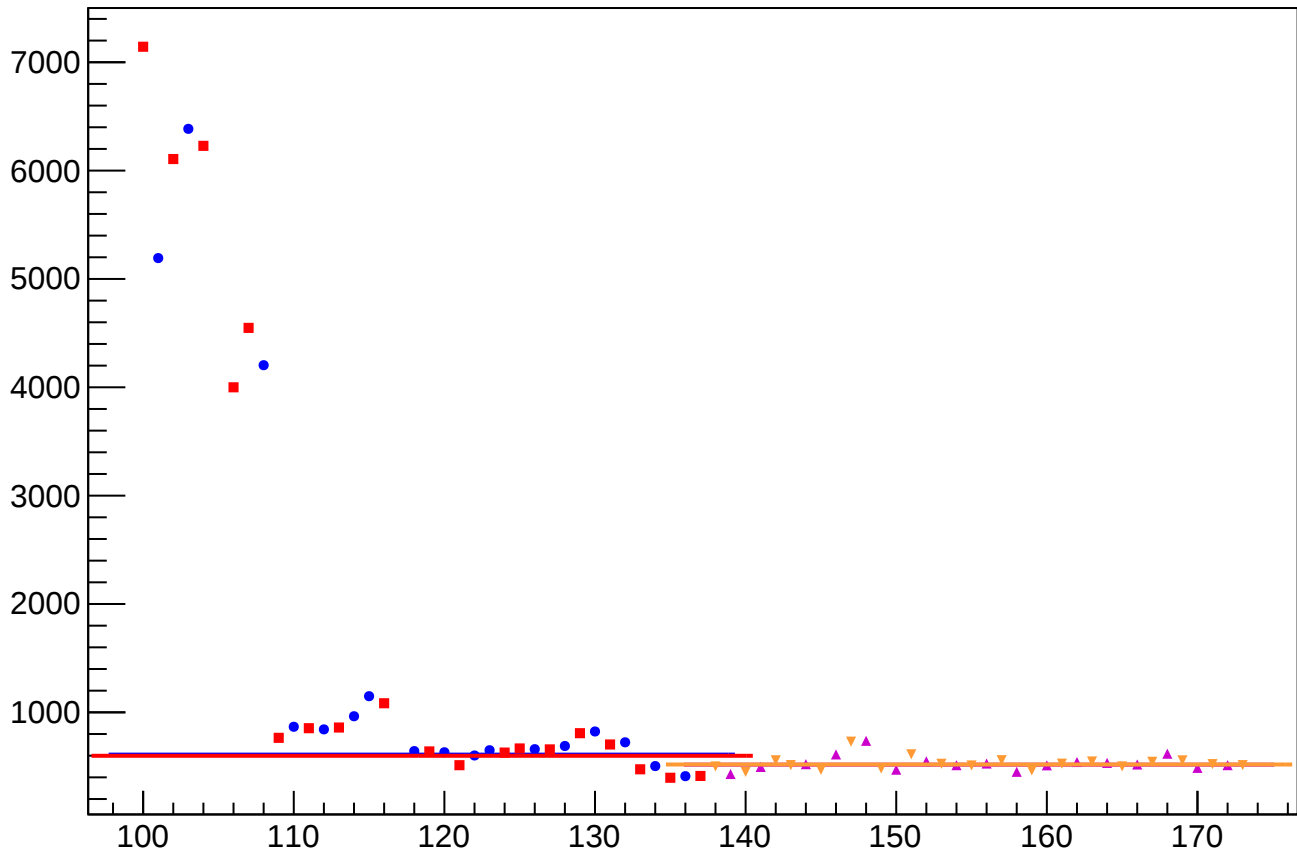
Left In: 0.070 ± 0.144 χ^2/NDF : 32.2/16

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

All: 0.147 ± 0.088 χ^2/NDF : 87.9/71

- sign 0.122 ± 0.126 χ^2/NDF : 53.0/35

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

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

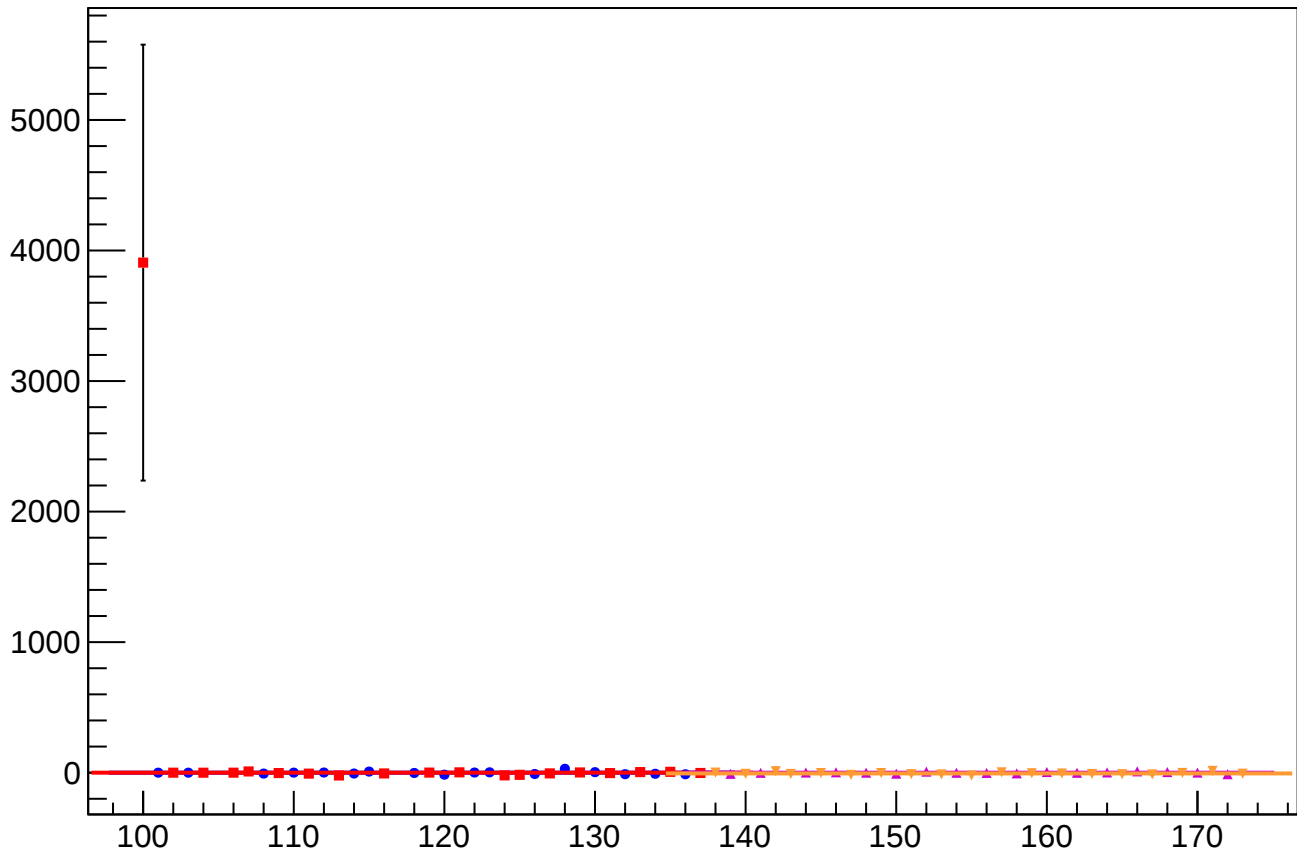
Left In: 516.920 $\pm$ 0.102 χ^2 /NDF: 346861.8/16

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

All: 536.817 $\pm$ 0.062 χ^2 /NDF: 7647473.1/71

- sign 535.717 $\pm$ 0.089 χ^2 /NDF: 4048477.8/35

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

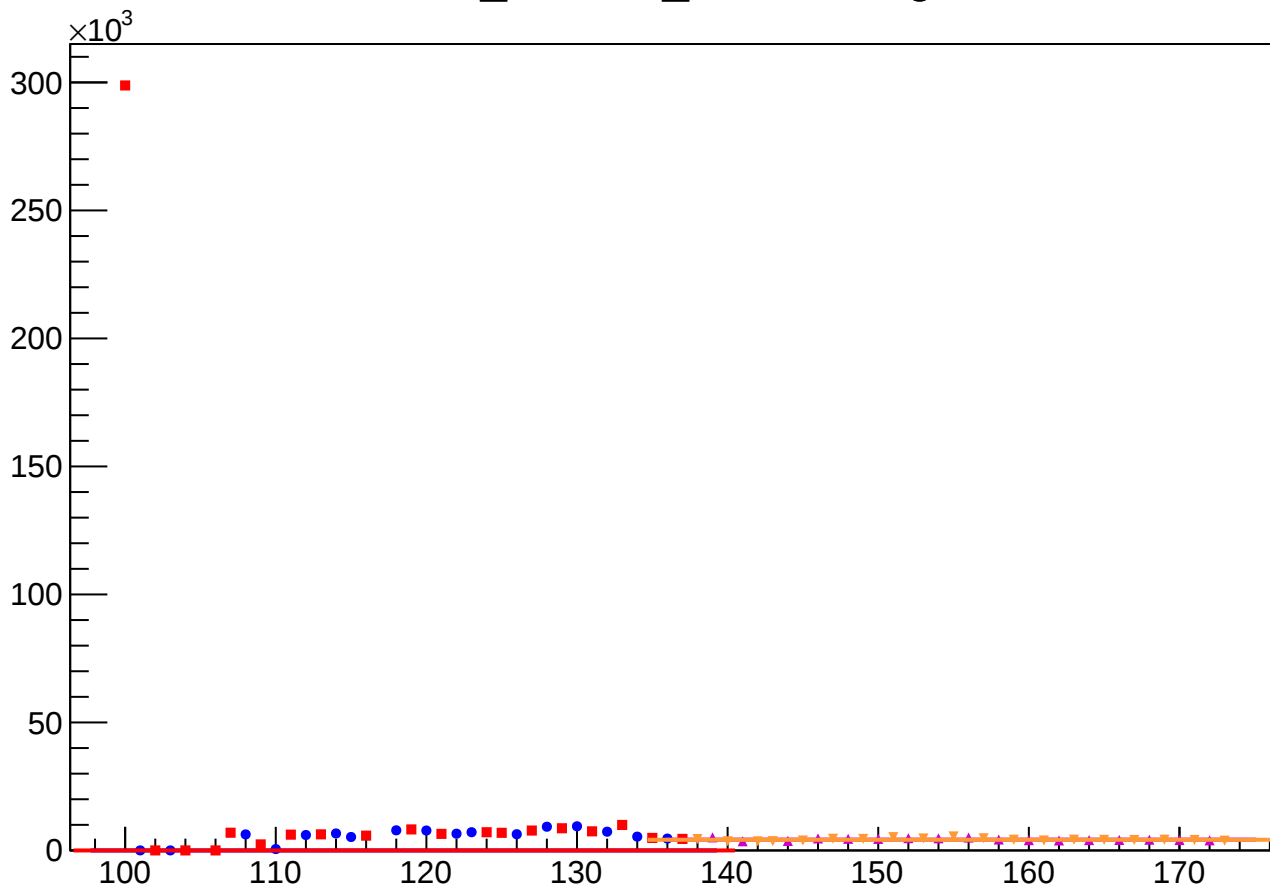
Left In: -0.032 ± 1.173 χ^2/NDF : 20.4/16

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

All: -0.025 ± 0.014 χ^2/NDF : 133.7/71

- sign -0.027 ± 0.020 χ^2/NDF : 38.3/35

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

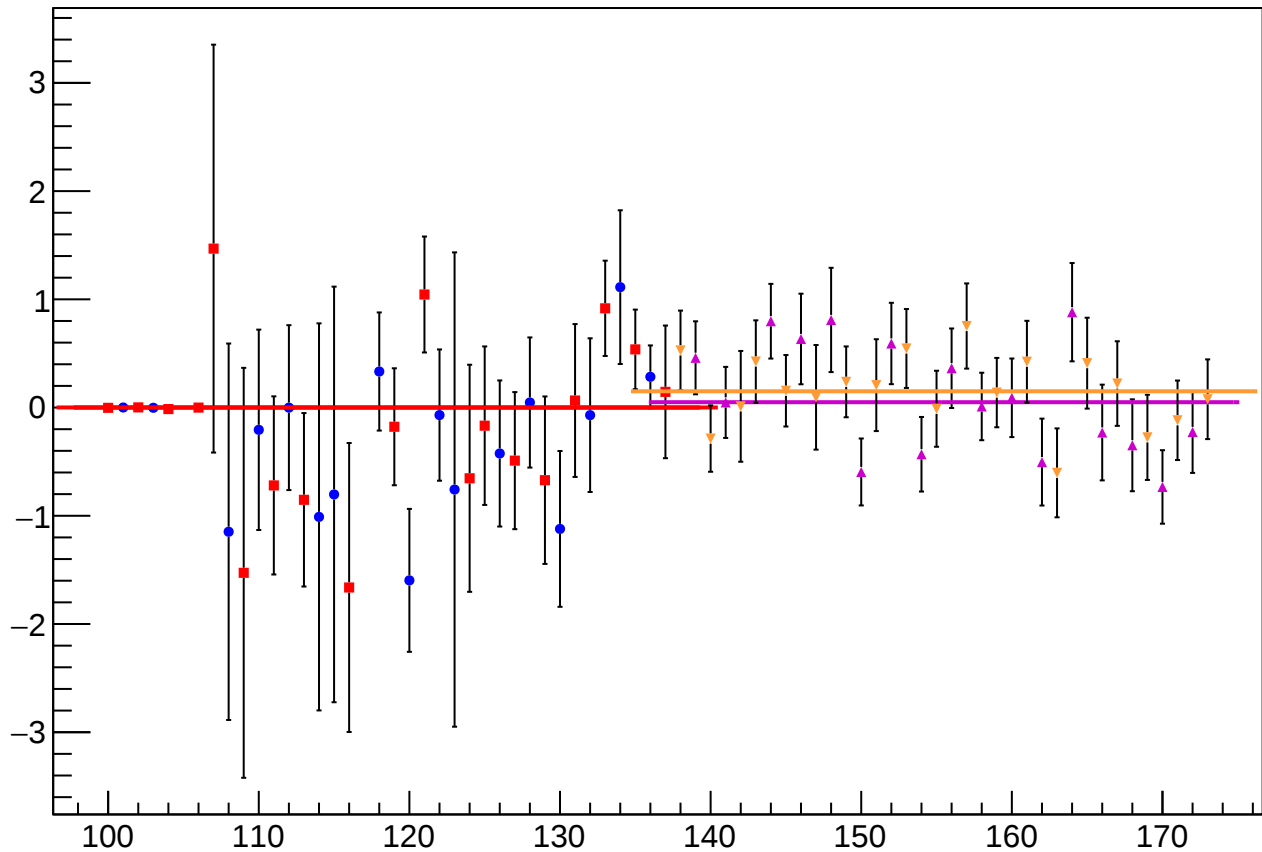
Left In: 4231.341+/-0.830 χ^2/NDF : 269242.6/16

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

All: 18.615+/-0.010 χ^2/NDF : 75410670.2/71

- sign 18.466+/-0.014 χ^2/NDF : 36881157.8/35

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

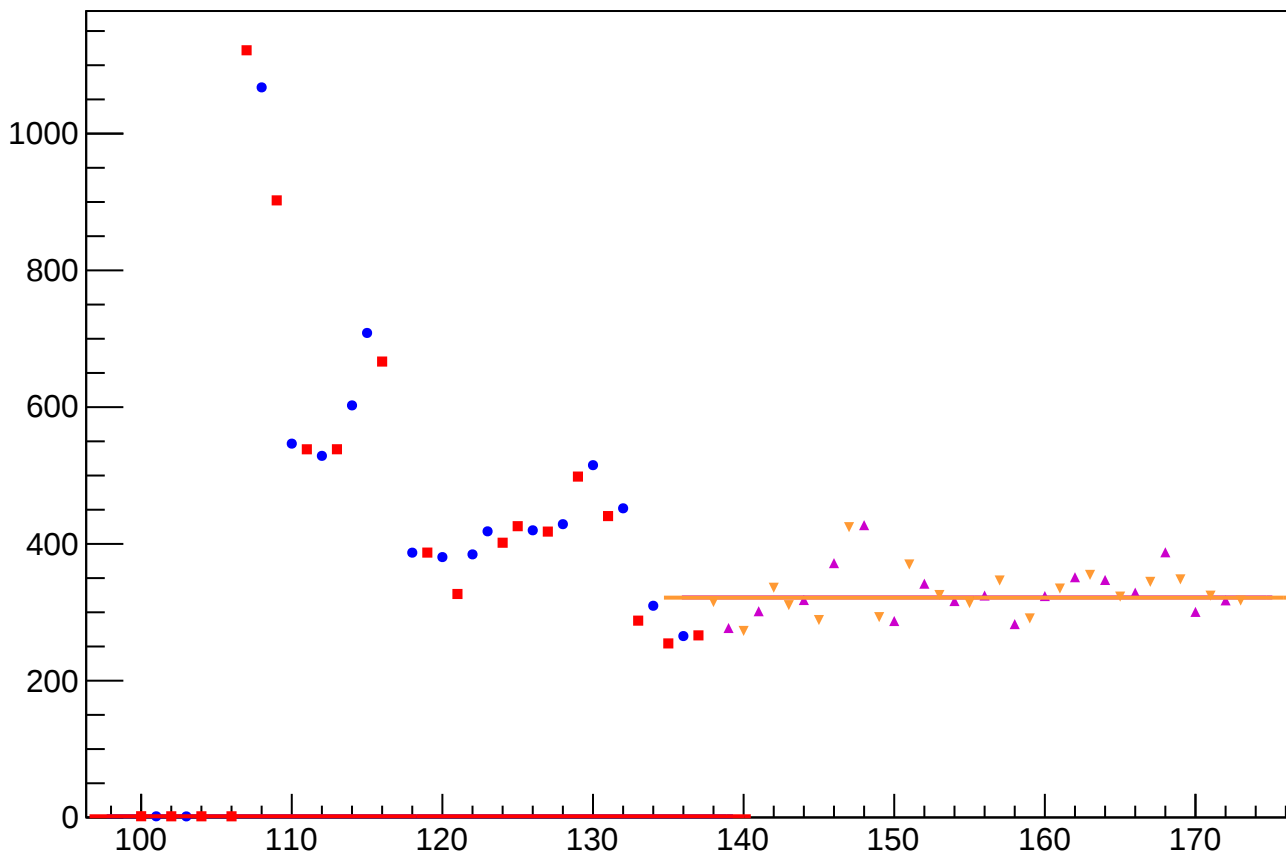
Left In: 0.050 ± 0.089 χ^2/NDF : 32.1/16

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

All: 0.001 ± 0.001 χ^2/NDF : 80.8/71

- sign 0.001 ± 0.002 χ^2/NDF : 50.3/35

diff_cav4dY_rms vs Slug



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

Left Out: 321.429+/-0.061 χ^2/NDF : 265708.8/18

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

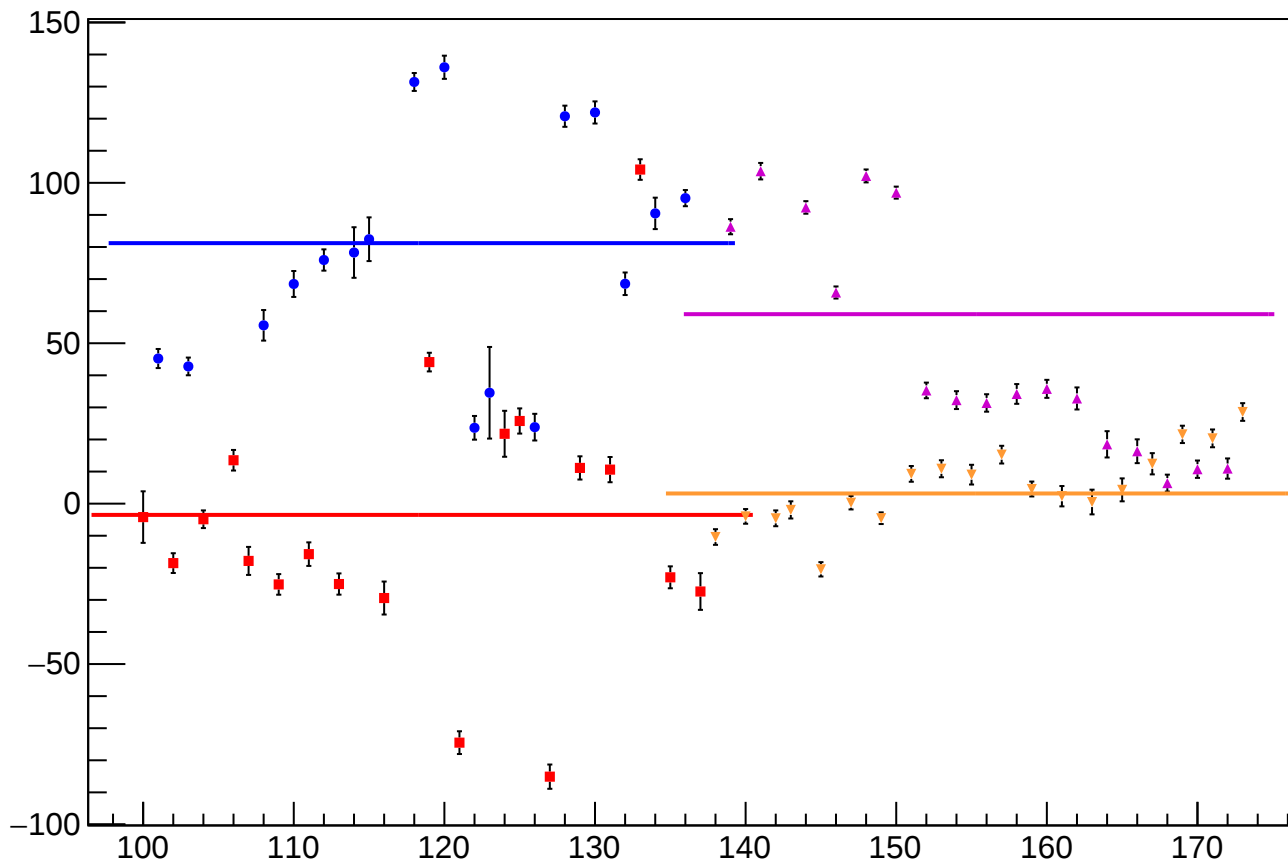
Left In: 321.735+/-0.063 χ^2/NDF : 304389.9/16

+ sign 1.877+/-0.001 χ^2/NDF : 38965711.2/35

All: 1.878+/-0.001 χ^2/NDF : 75620064.7/71

- sign 1.879+/-0.001 χ^2/NDF : 36654352.1/35

diff_bpm0i01X_mean vs Slug



Right In: 81.201+/-0.886 χ^2/NDF : 1709.8/16

Left Out: 3.171+/-0.592 χ^2/NDF : 401.8/18

Right Out: -3.508+/-0.843 χ^2/NDF : 2599.0/18

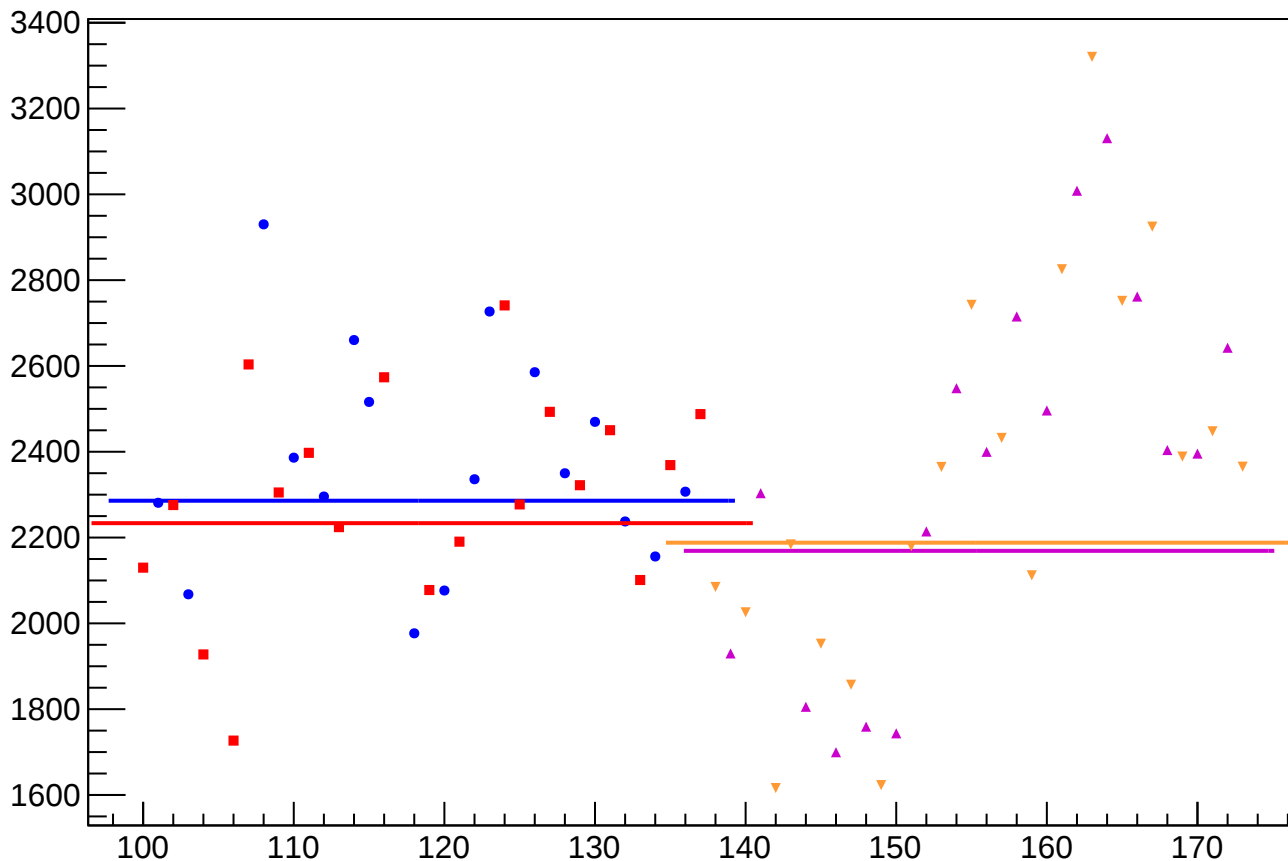
Left In: 59.061+/-0.613 χ^2/NDF : 3262.8/16

+ sign 27.251+/-0.492 χ^2/NDF : 7478.1/35

All: 32.298+/-0.349 χ^2/NDF : 17159.3/71

- sign 37.417+/-0.496 χ^2/NDF : 9469.3/35

diff_bpm0i01X_rms vs Slug



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

Left Out: 2188.071+/-0.418 χ^2/NDF : 917130.7/18

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

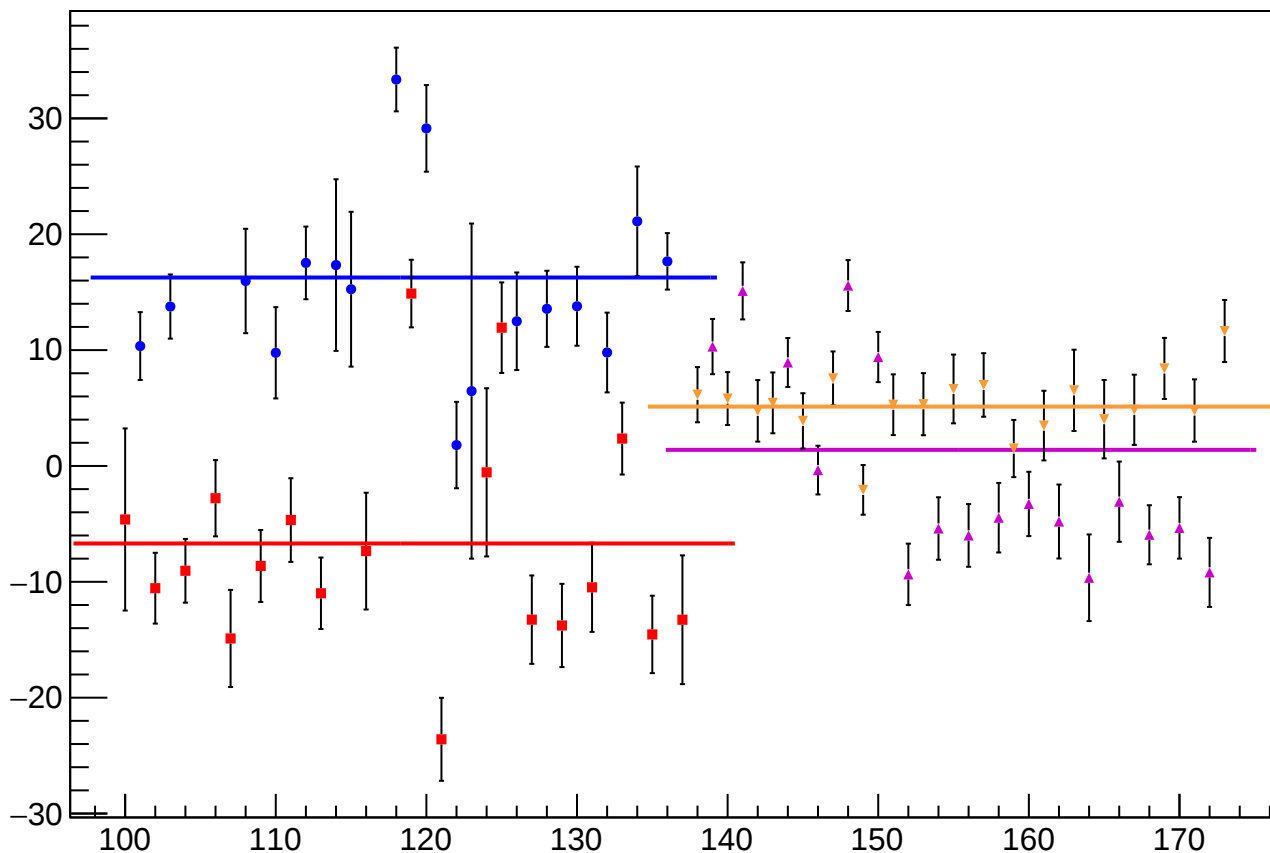
Left In: 2169.035+/-0.433 χ^2/NDF : 901278.3/16

+ sign 2218.248+/-0.348 χ^2/NDF : 1043322.1/35

All: 2204.895+/-0.247 χ^2/NDF : 2102086.1/71

- sign 2191.351+/-0.350 χ^2/NDF : 1055796.7/35

diff_bpm0i01Y_mean vs Slug



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

Left Out: 5.124 ± 0.604 $\chi^2/\text{NDF}: 23.9/18$

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

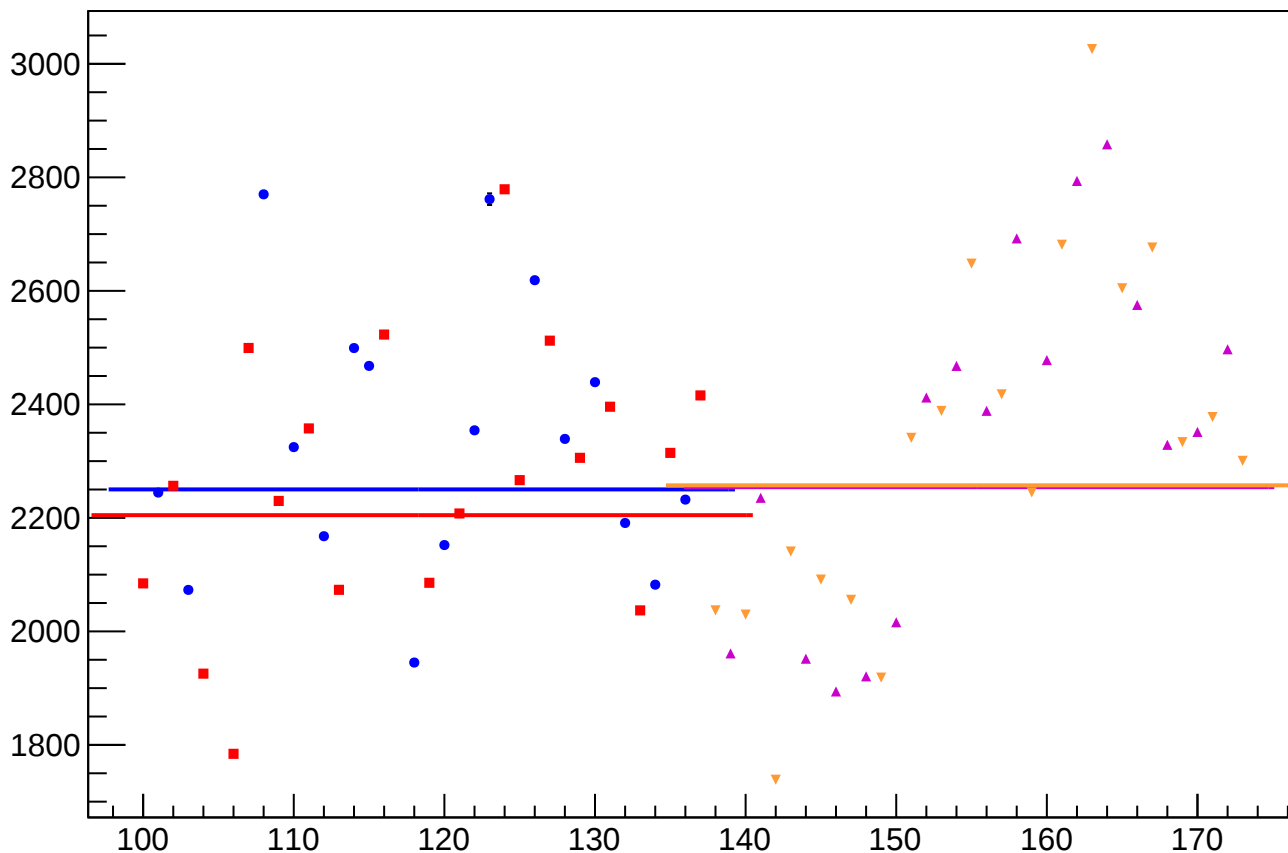
Left In: 1.389 ± 0.629 $\chi^2/\text{NDF}: 192.1/16$

+ sign 8.742 ± 0.497 $\chi^2/\text{NDF}: 215.0/35$

All: 3.643 ± 0.353 $\chi^2/\text{NDF}: 814.1/71$

- sign -1.553 ± 0.501 $\chi^2/\text{NDF}: 386.2/35$

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

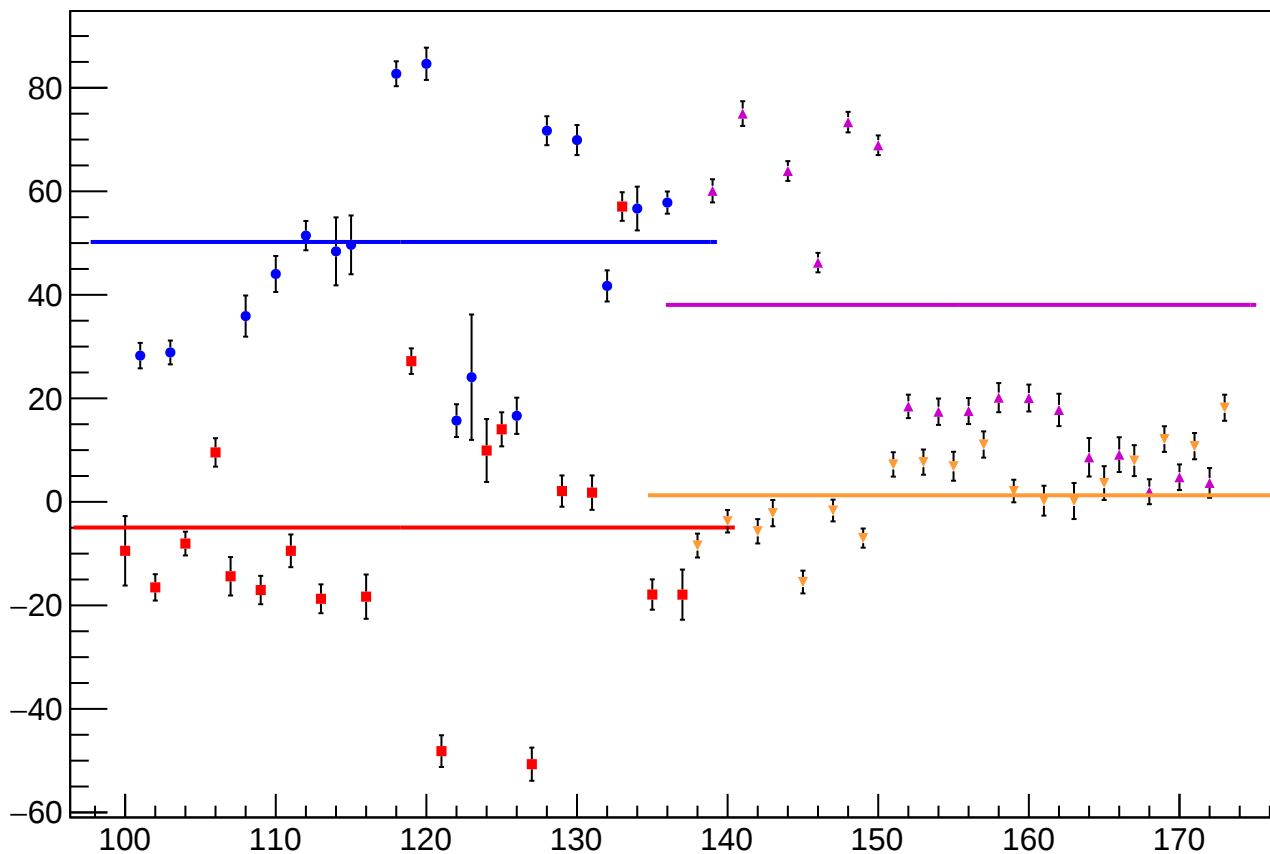
Left In: 2254.124 ± 0.445 χ^2/NDF : 424628.4/16

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

All: 2245.682 ± 0.249 χ^2/NDF : 1096195.4/71

- sign 2236.159 ± 0.354 χ^2/NDF : 555340.9/35

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

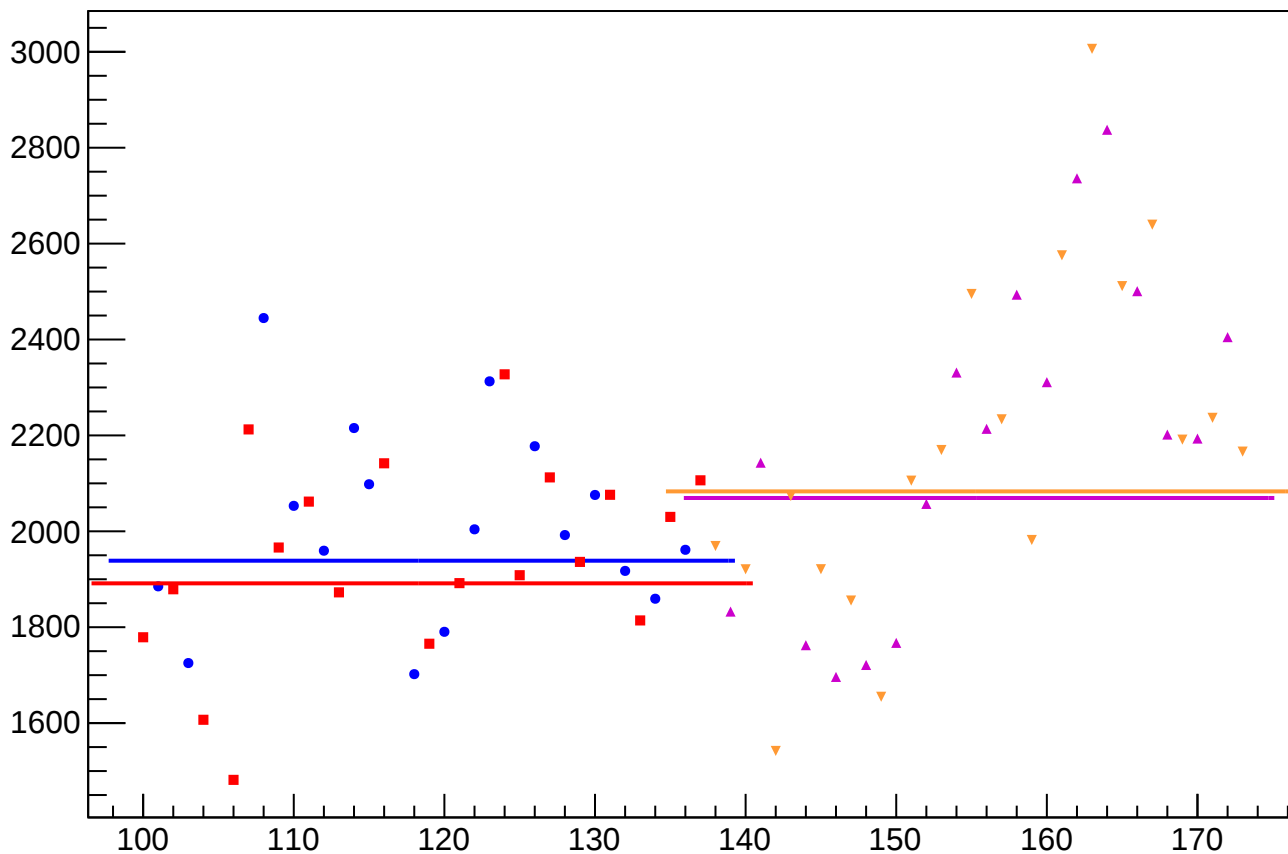
Left In: 38.058 $\pm$ 0.581 χ^2 /NDF:2142.0/16

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

All: 19.837 $\pm$ 0.318 χ^2 /NDF: 9393.3/71

- sign 20.911 $\pm$ 0.450 χ^2 /NDF: 5591.0/35

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

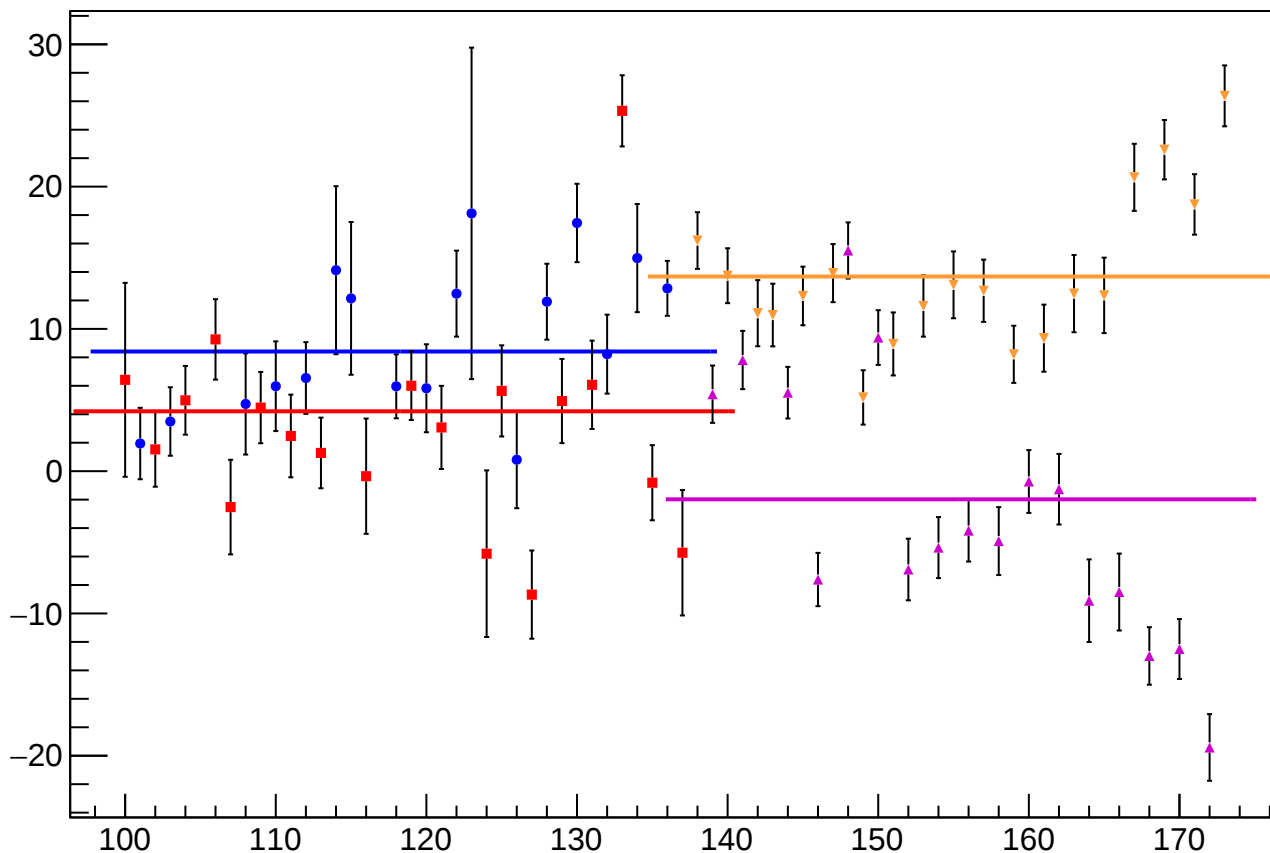
Left In: 2069.471+/-0.411 χ^2/NDF : 604886.3/16

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

All: 2015.096+/-0.225 χ^2/NDF : 1615500.0/71

- sign 1998.514+/-0.318 χ^2/NDF : 826388.6/35

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

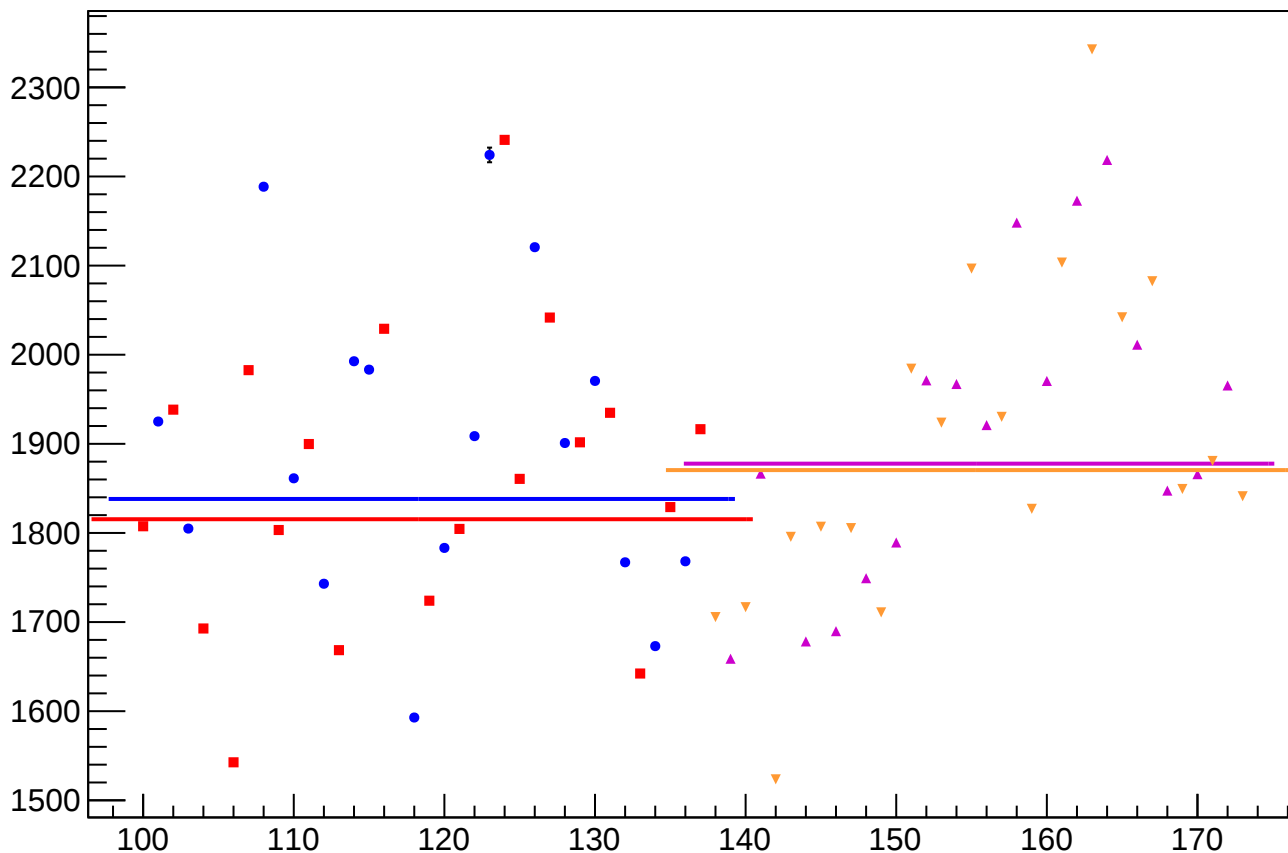
Left In: -1.977 ± 0.520 χ^2/NDF : 308.2/16

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

All: 6.201 ± 0.291 χ^2/NDF : 1065.7/71

- sign 0.297 ± 0.414 χ^2/NDF : 473.2/35

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

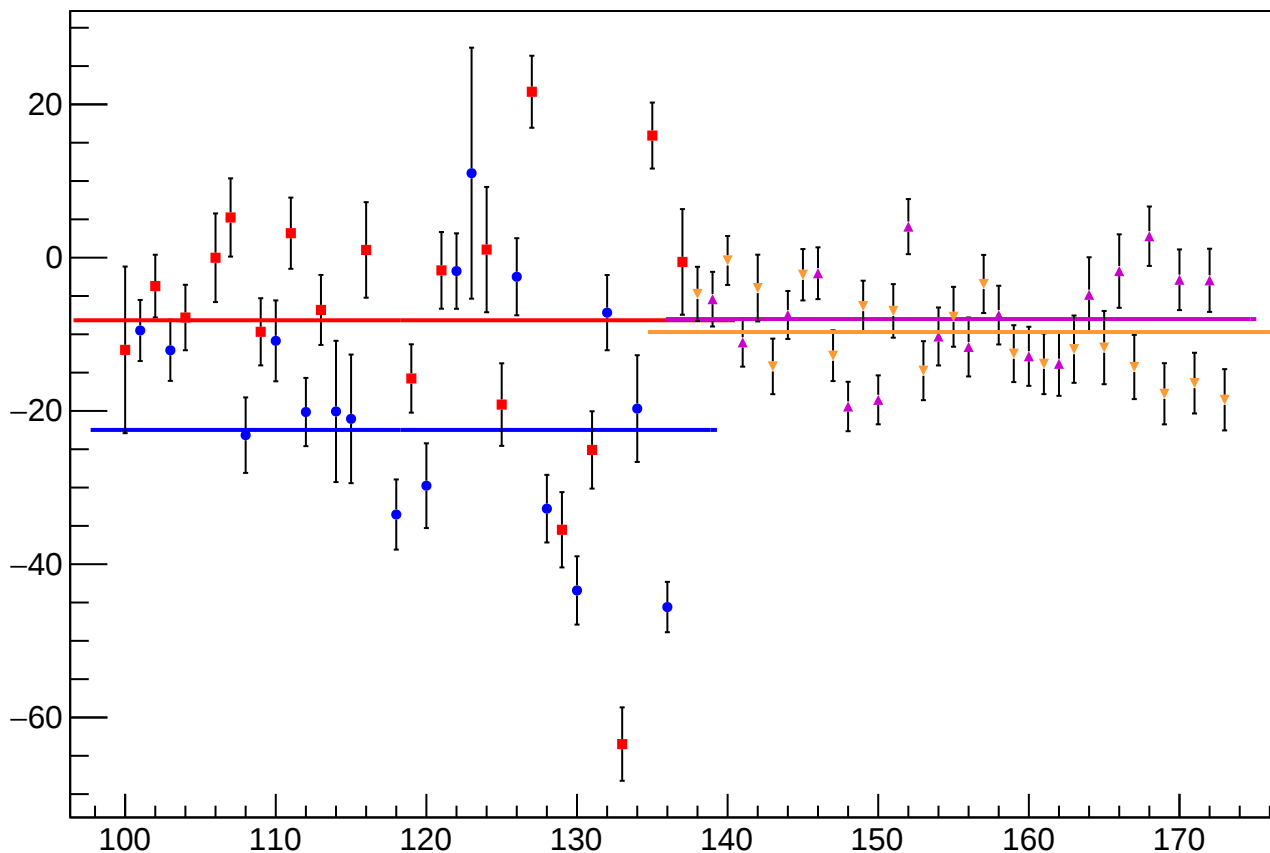
Left In: 1877.760 $\pm$ 0.368 χ^2 /NDF: 181962.7/16

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

All: 1857.380 $\pm$ 0.205 χ^2 /NDF: 589681.7/71

- sign 1854.831 $\pm$ 0.293 χ^2 /NDF: 279941.3/35

diff_bpm0l01X_mean vs Slug



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

Left Out: -9.705 ± 0.864 χ^2/NDF : 41.1/18

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

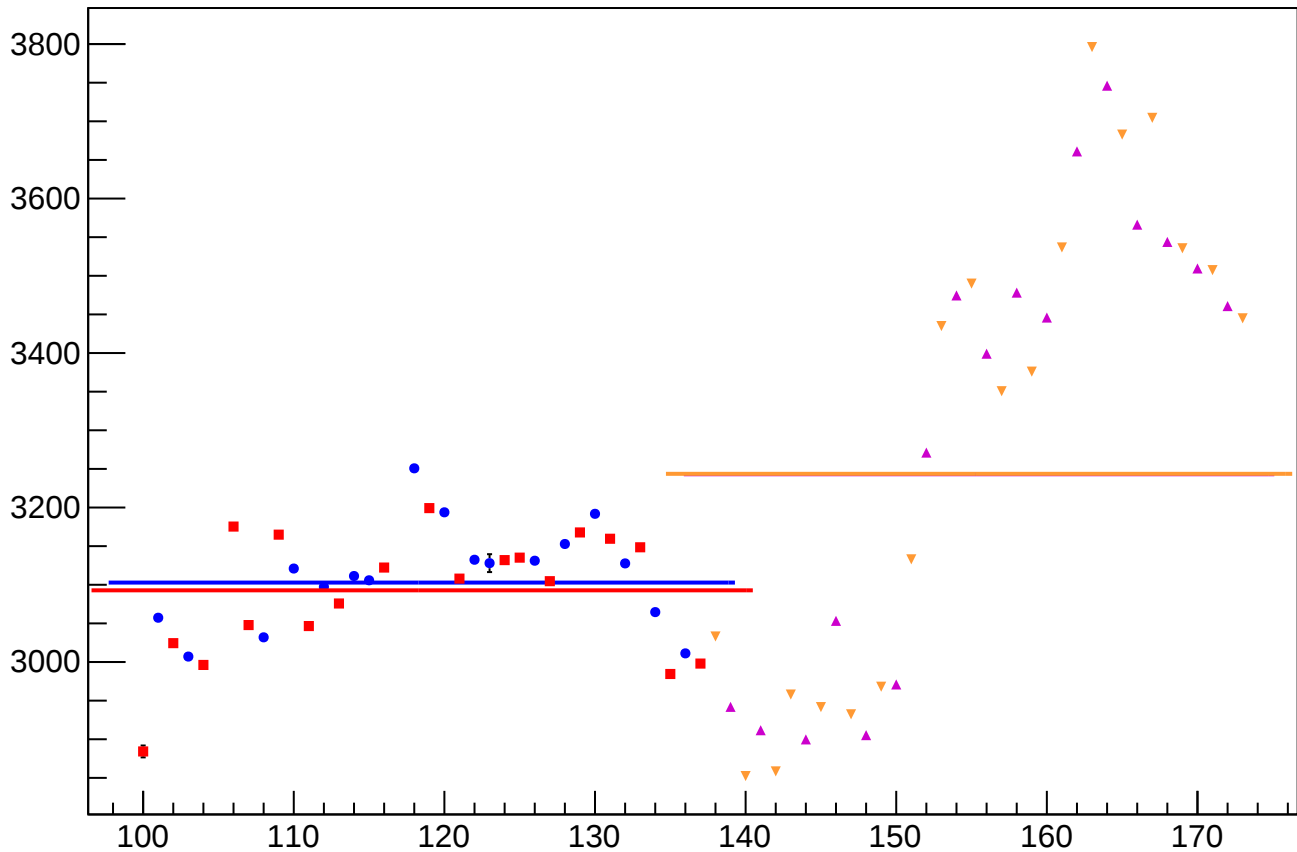
Left In: -8.010 ± 0.897 χ^2/NDF : 57.2/16

+ sign -14.090 ± 0.700 χ^2/NDF : 270.9/35

All: -11.116 ± 0.498 χ^2/NDF : 641.5/71

- sign -8.070 ± 0.709 χ^2/NDF : 334.1/35

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

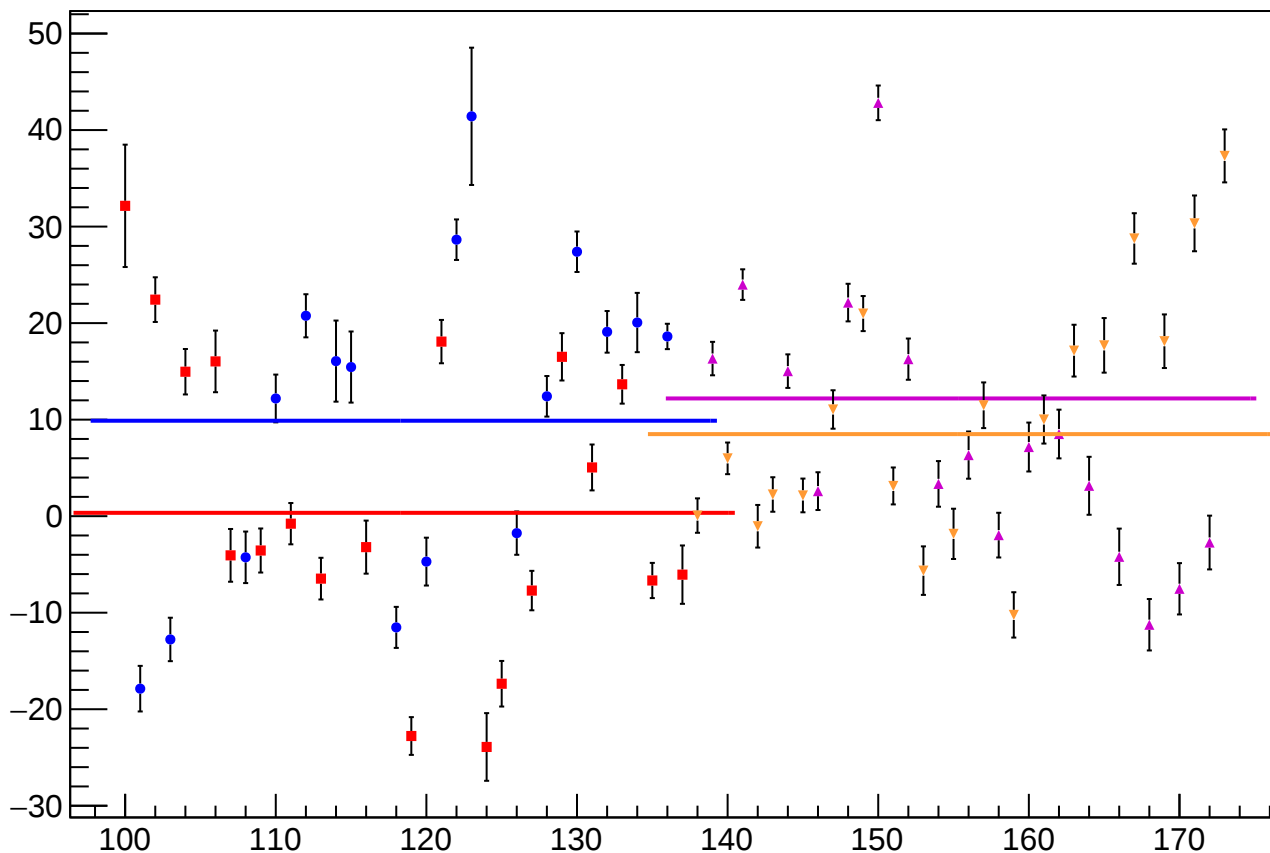
Left In: 3243.056 $\pm$ 0.634 χ^2 /NDF: 203874.6/16

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

All: 3191.031 $\pm$ 0.352 χ^2 /NDF: 498660.6/71

- sign 3186.656 $\pm$ 0.501 χ^2 /NDF: 232726.9/35

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

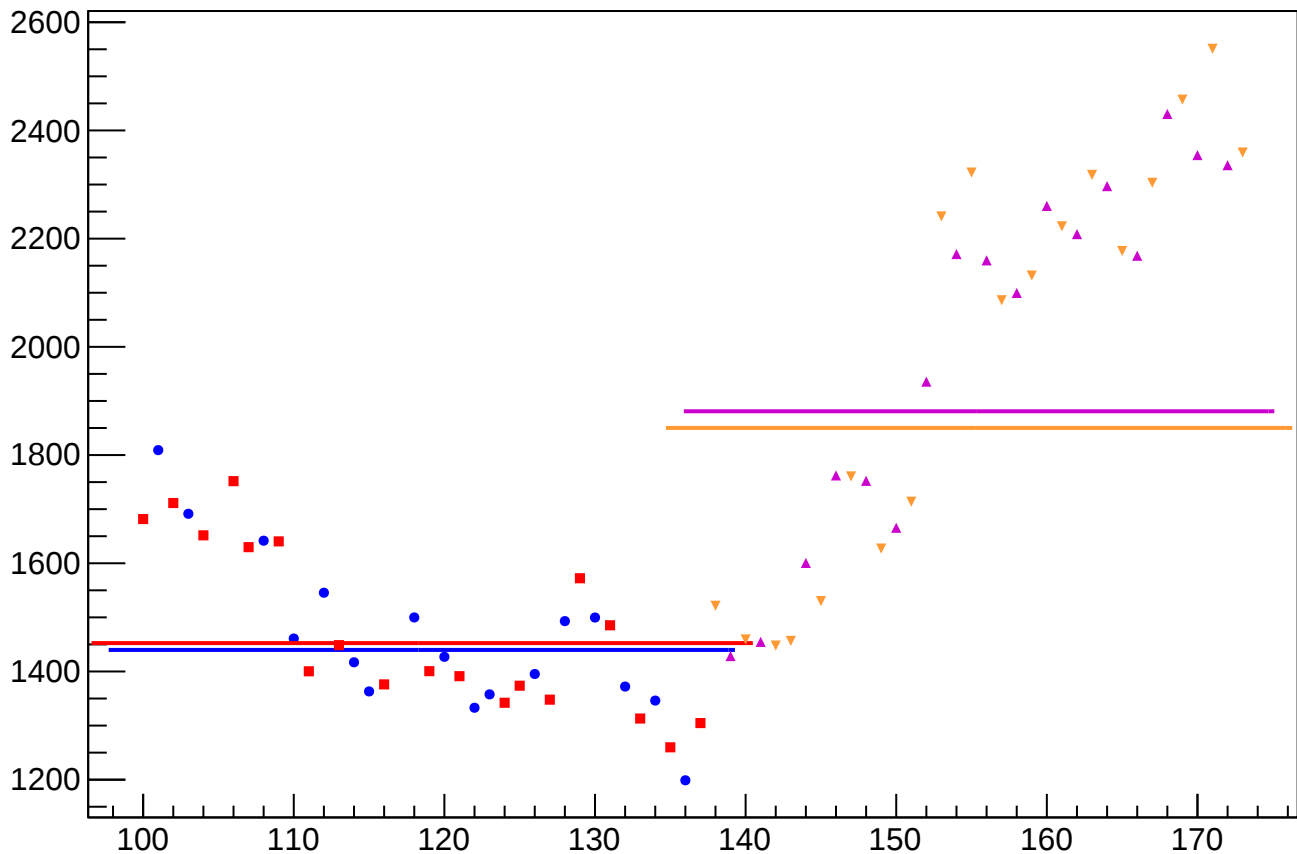
Left In: 12.195 ± 0.527 χ^2/NDF : 673.5/16

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

All: 7.826 ± 0.266 χ^2/NDF : 2776.2/71

- sign 6.491 ± 0.379 χ^2/NDF : 1545.8/35

diff_bpm0l01Y_rms vs Slug



Right In: 1439.826+/-0.396 χ^2/NDF : 172823.5/16

Left Out: 1850.150+/-0.354 χ^2/NDF : 1093513.4/18

Right Out: 1452.452+/-0.387 χ^2/NDF : 138519.7/18

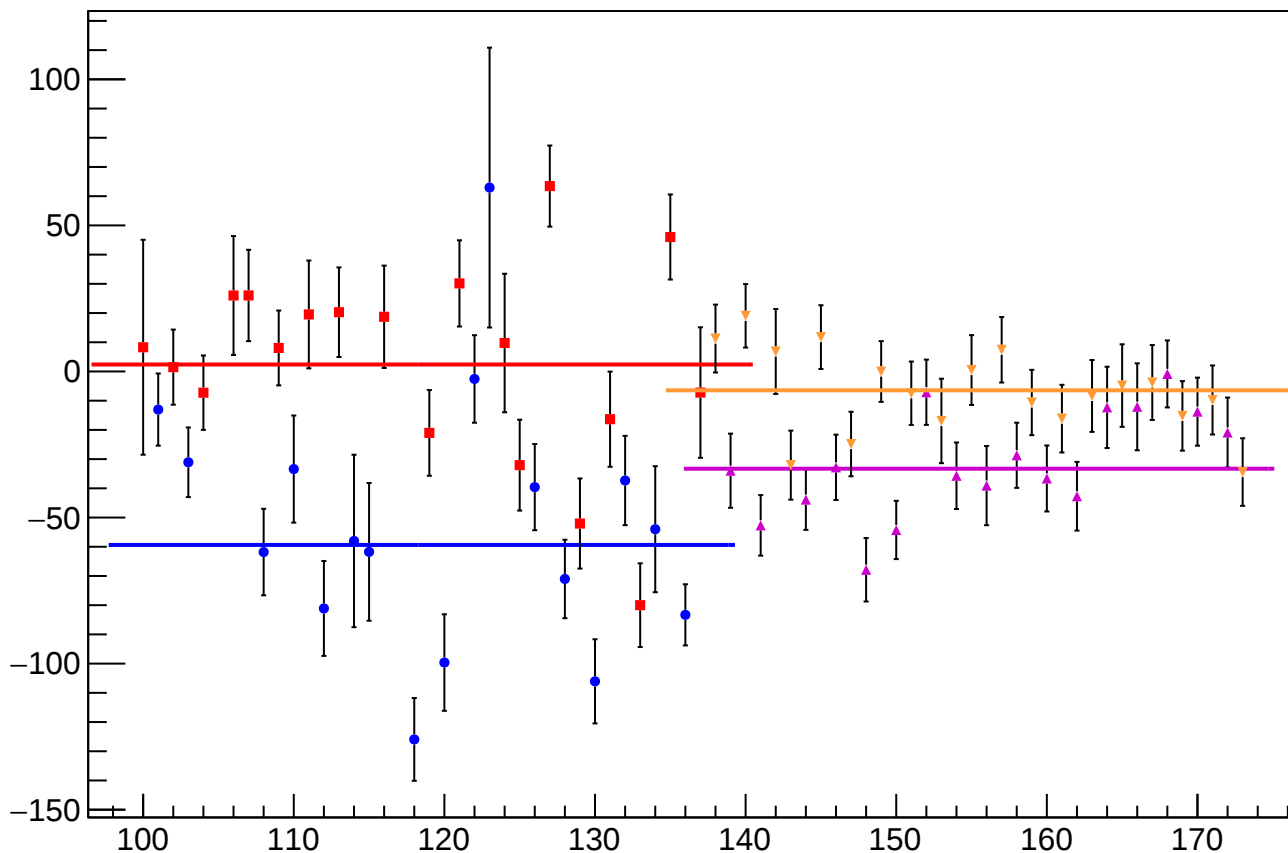
Left In: 1880.913+/-0.373 χ^2/NDF : 791503.4/16

+ sign 1667.443+/-0.264 χ^2/NDF : 1863081.6/35

All: 1670.980+/-0.188 χ^2/NDF : 3430067.5/71

- sign 1674.634+/-0.268 χ^2/NDF : 1566620.9/35

diff_bpm0l02X_mean vs Slug



Right In: -59.374 $\pm$ 3.729 χ^2 /NDF: 92.9/16

Left Out: -6.450 $\pm$ 2.704 χ^2 /NDF:29.1/18

Right Out: 2.388 $\pm$ 3.630 χ^2 /NDF: 93.9/18

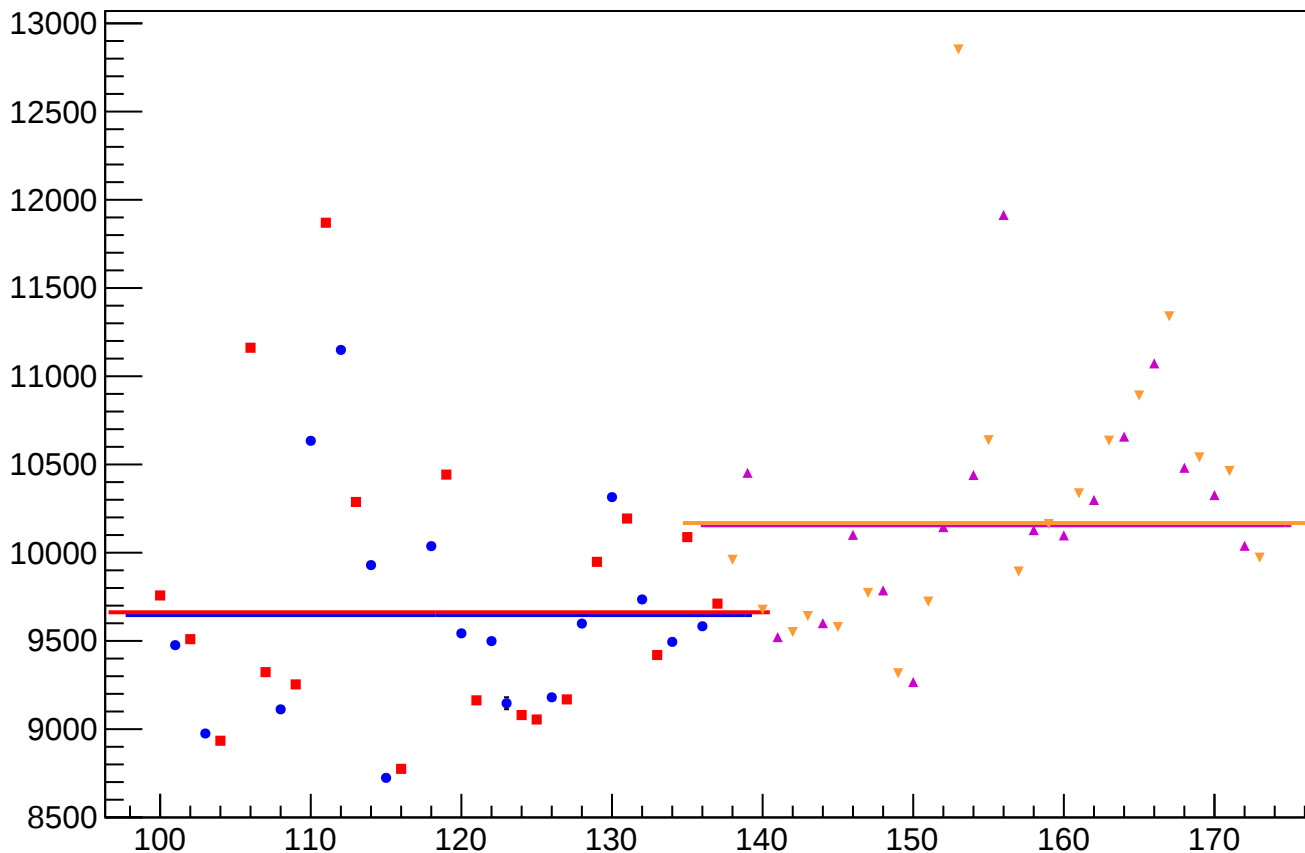
Left In: -33.283 $\pm$ 2.803 χ^2 /NDF:41.9/16

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

All: -22.358 $\pm$ 1.558 χ^2 /NDF: 452.7/71

- sign -19.960 $\pm$ 2.218 χ^2 /NDF: 196.4/35

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

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

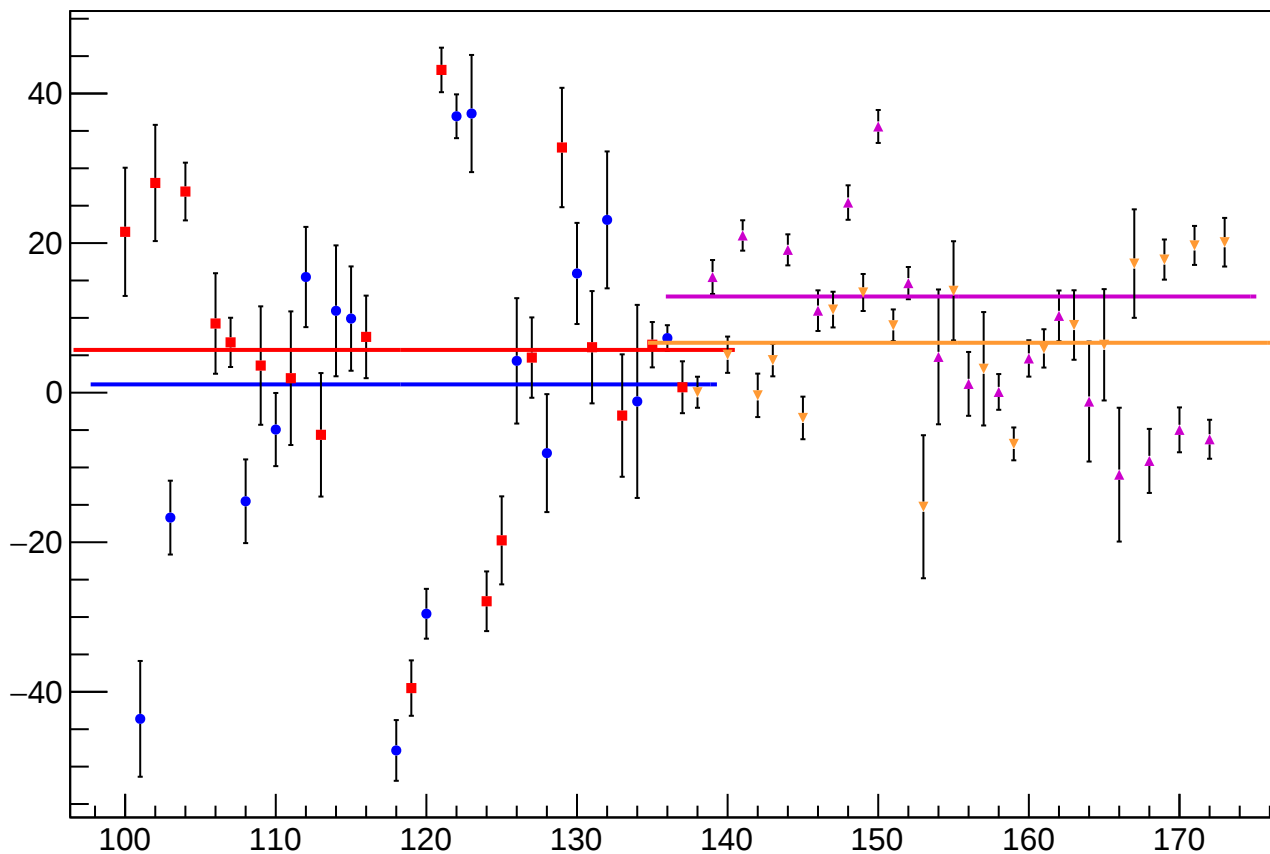
Left In: 10155.315+/-1.982 χ^2/NDF :80266.1/16

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

All: 9979.886+/-1.102 χ^2/NDF : 390533.2/71

- sign 9971.192+/-1.569 χ^2/NDF : 180961.0/35

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

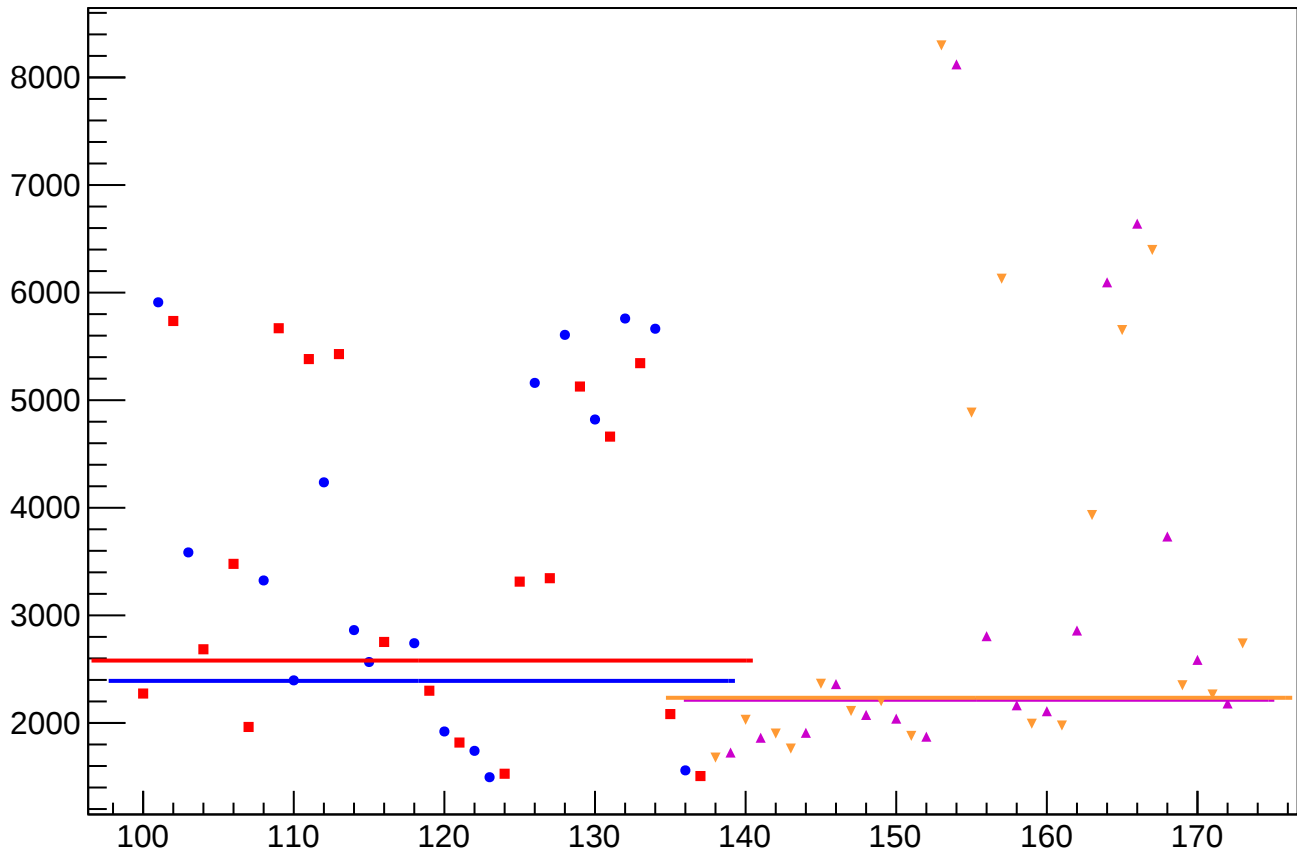
Left In: 12.859 ± 0.666 χ^2/NDF : 338.3/16

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

All: 7.988 ± 0.400 χ^2/NDF : 1535.6/71

- sign 10.919 ± 0.569 χ^2/NDF : 825.5/35

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2233.960+/-0.467 χ^2/NDF : 3440060.3/18

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

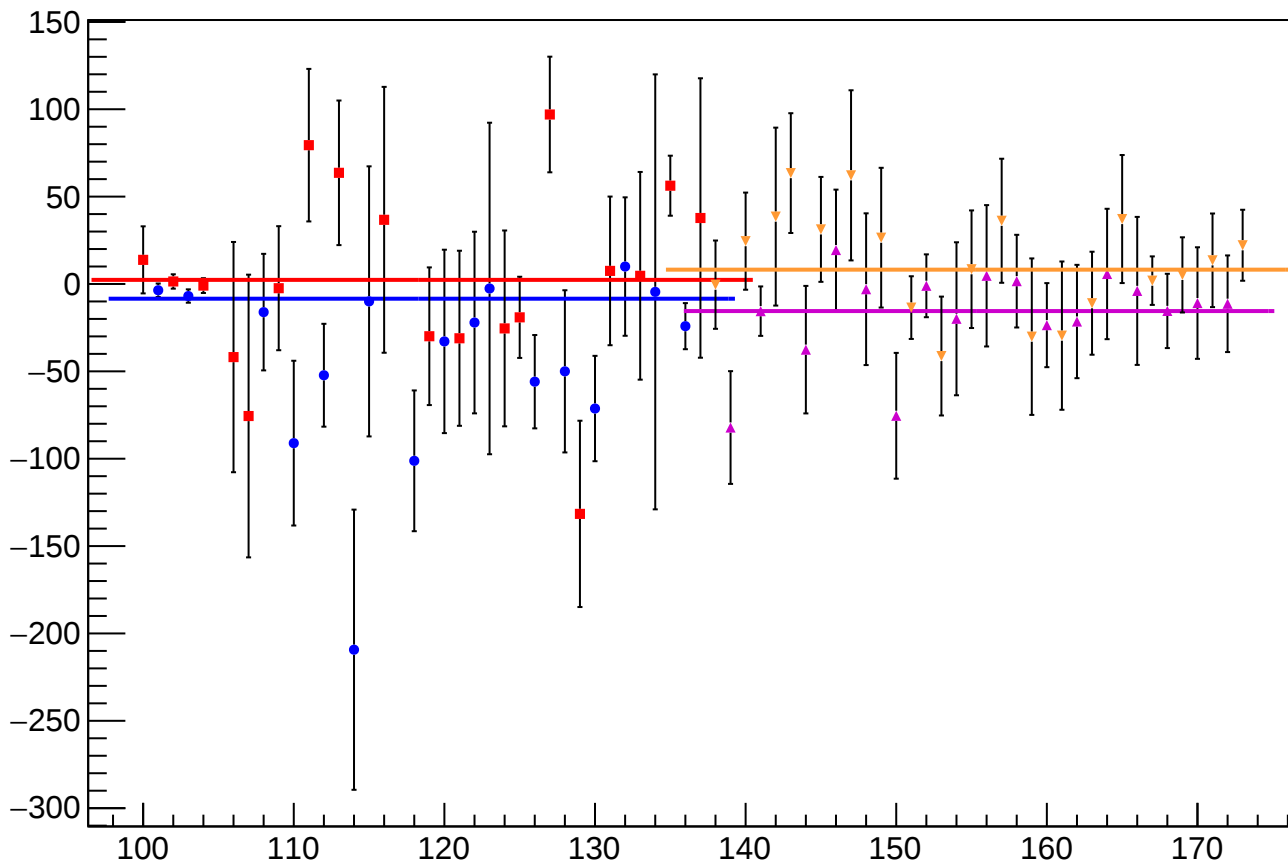
Left In: 2215.639+/-0.471 χ^2/NDF : 2486905.6/16

+ sign 2277.535+/-0.397 χ^2/NDF : 6072018.4/35

All: 2295.831+/-0.282 χ^2/NDF : 11090994.2/71

- sign 2314.592+/-0.402 χ^2/NDF : 5014674.6/35

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

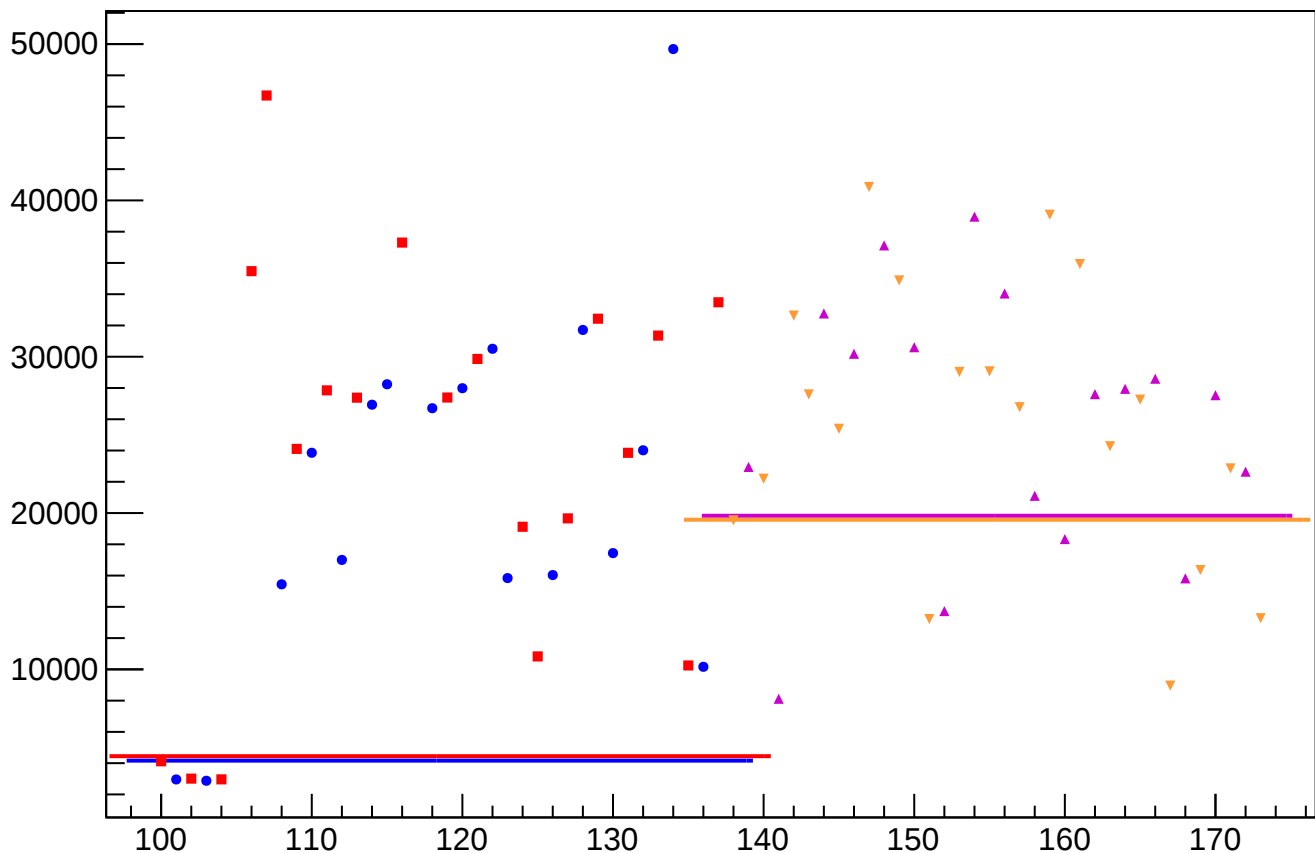
Left In: -15.503 ± 6.601 χ^2/NDF : 10.4/16

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

All: -3.361 ± 1.748 χ^2/NDF : 101.8/71

- sign -0.352 ± 2.567 χ^2/NDF : 51.3/35

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

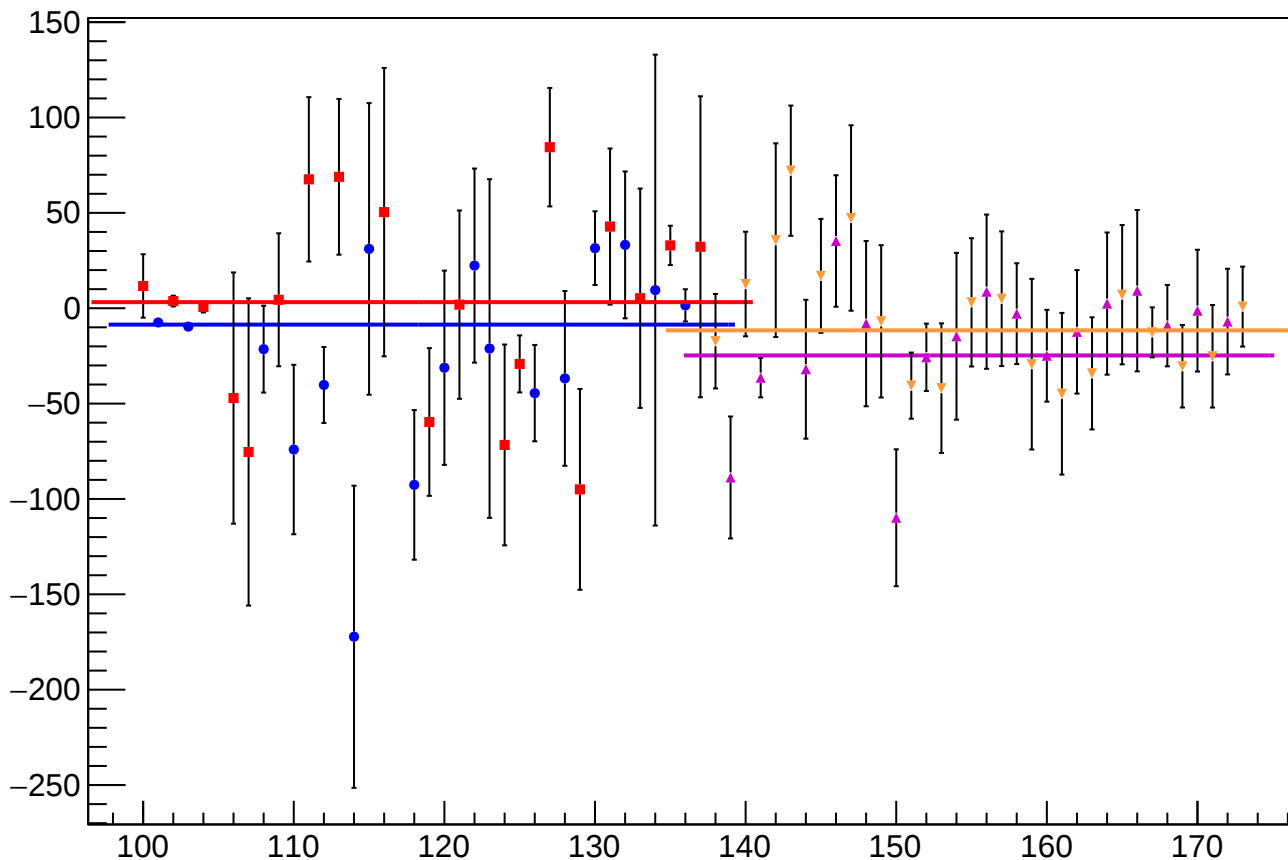
Left In: 19825.668+/-4.668 χ^2/NDF : 3691776.8/16

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

All: 6599.128+/-1.236 χ^2/NDF : 40770816.1/7

- sign 6773.434+/-1.815 χ^2/NDF : 20331513.5/35

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

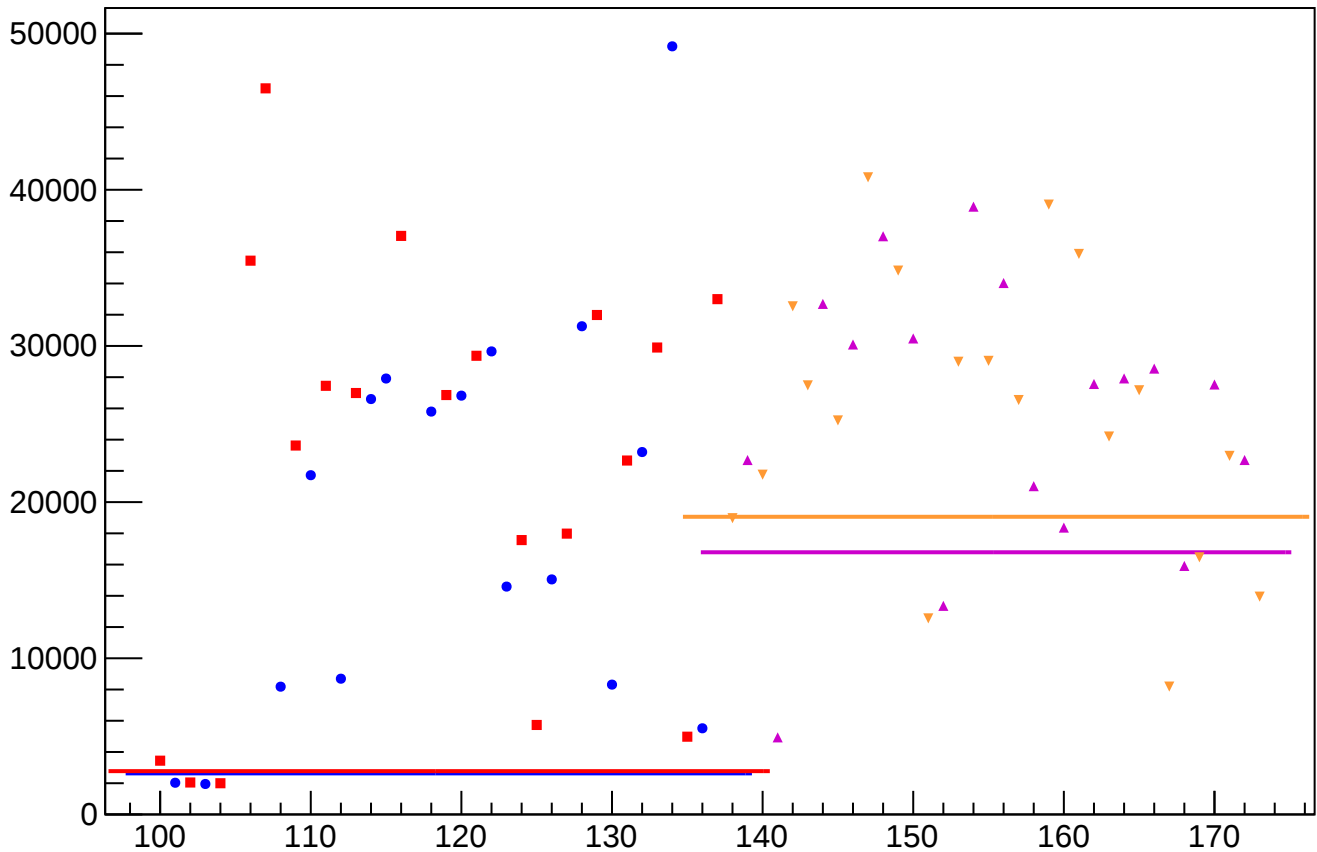
Left In: -24.756 ± 6.031 χ^2/NDF : 18.4/16

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

All: -4.434 ± 1.249 χ^2/NDF : 130.7/71

- sign 0.616 ± 1.831 χ^2/NDF : 74.7/35

diff_bpm0l03Y_rms vs Slug



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

Left Out: 19061.130+/-4.316 χ^2/NDF : 4236575.4/18

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

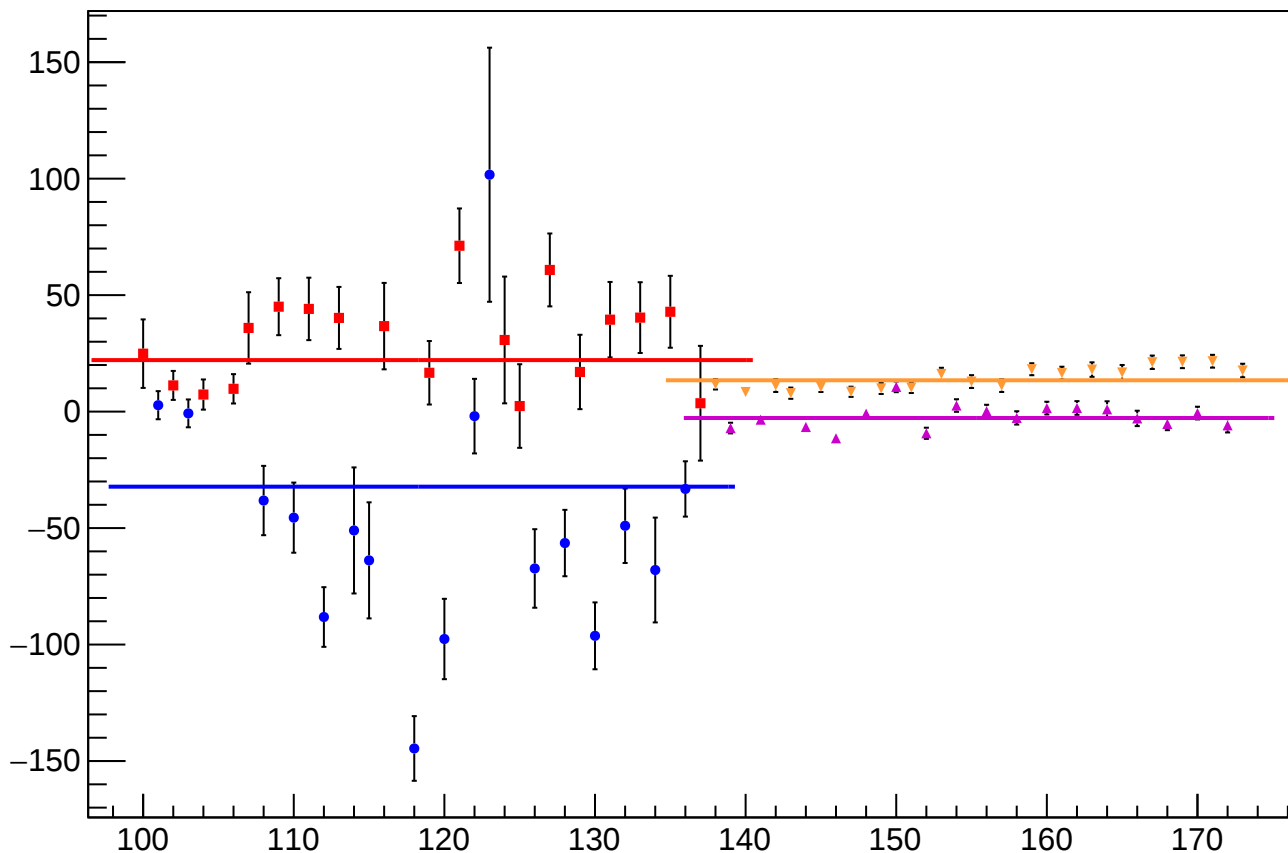
Left In: 16788.226+/-4.264 χ^2/NDF : 6003687.8/16

+ sign 3915.219+/-1.207 χ^2/NDF : 23183287.7/35

All: 3985.318+/-0.883 χ^2/NDF : 46835391.7/7

- sign 4066.027+/-1.295 χ^2/NDF : 23644846.7/35

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

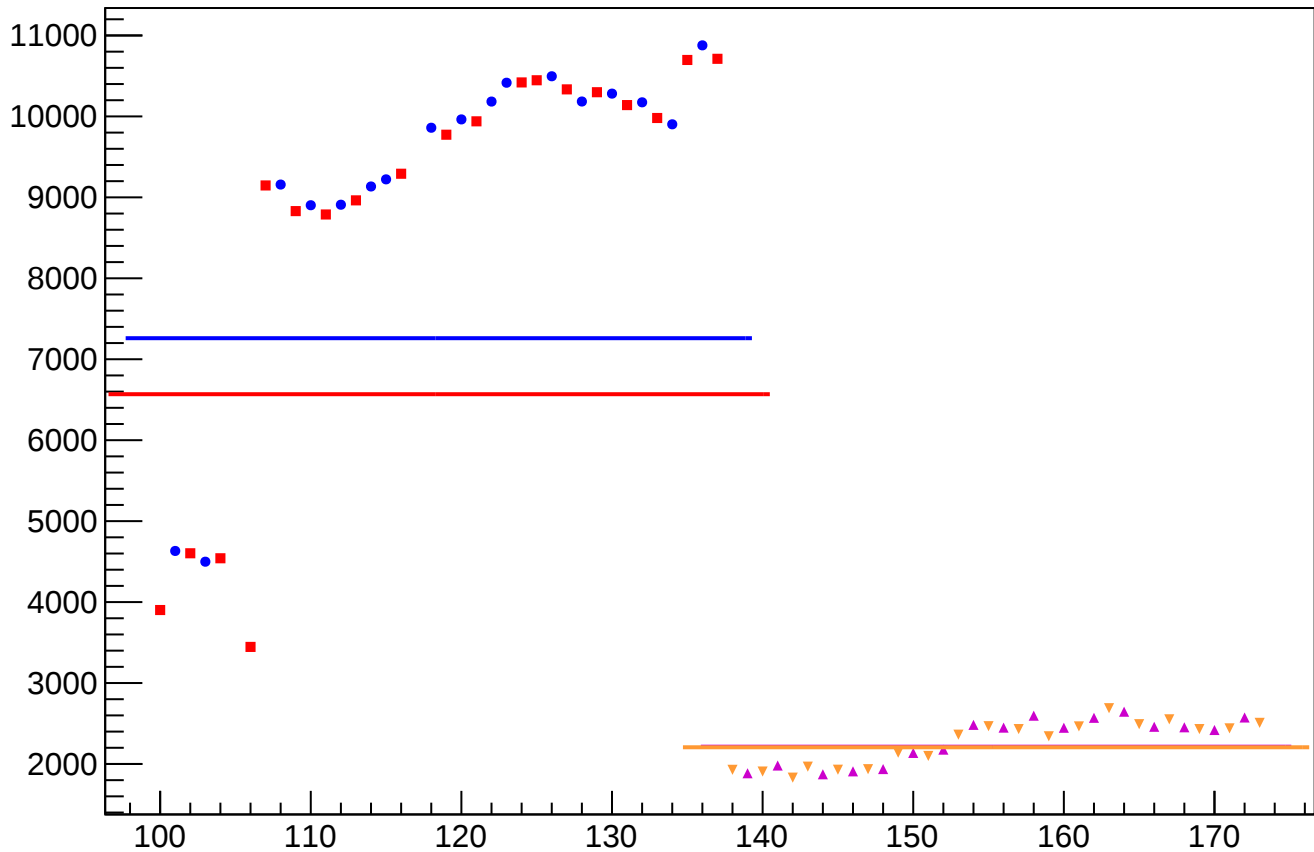
Left In: -2.750 ± 0.615 χ^2/NDF : 79.8/16

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

All: 5.349 ± 0.416 χ^2/NDF : 946.4/71

- sign -1.498 ± 0.599 χ^2/NDF : 205.8/35

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

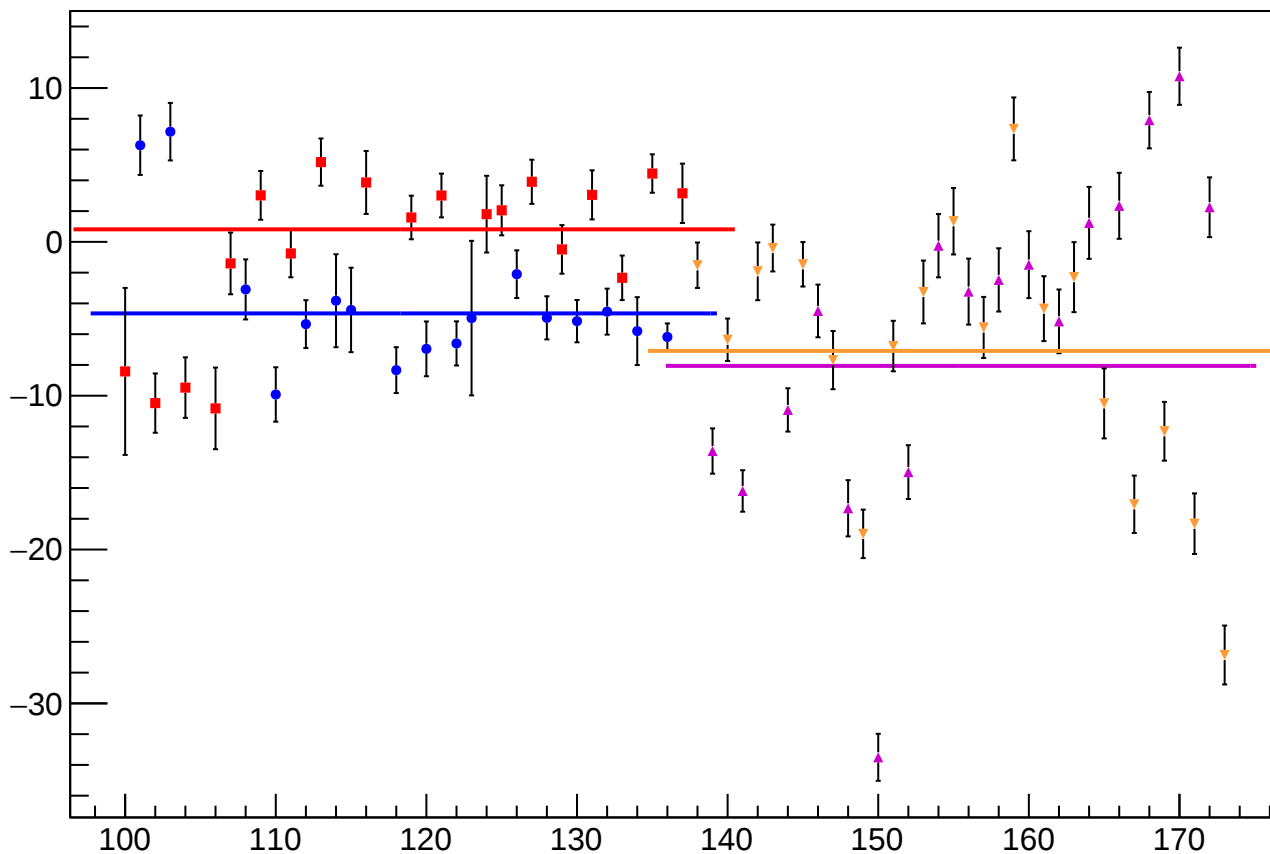
Left In: 2213.527 $\pm$ 0.435 χ^2 /NDF:410247.6/16

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

All: 2413.922 $\pm$ 0.294 χ^2 /NDF: 15228989.2/7

- sign 2432.829 $\pm$ 0.424 χ^2 /NDF: 7661539.6/35

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

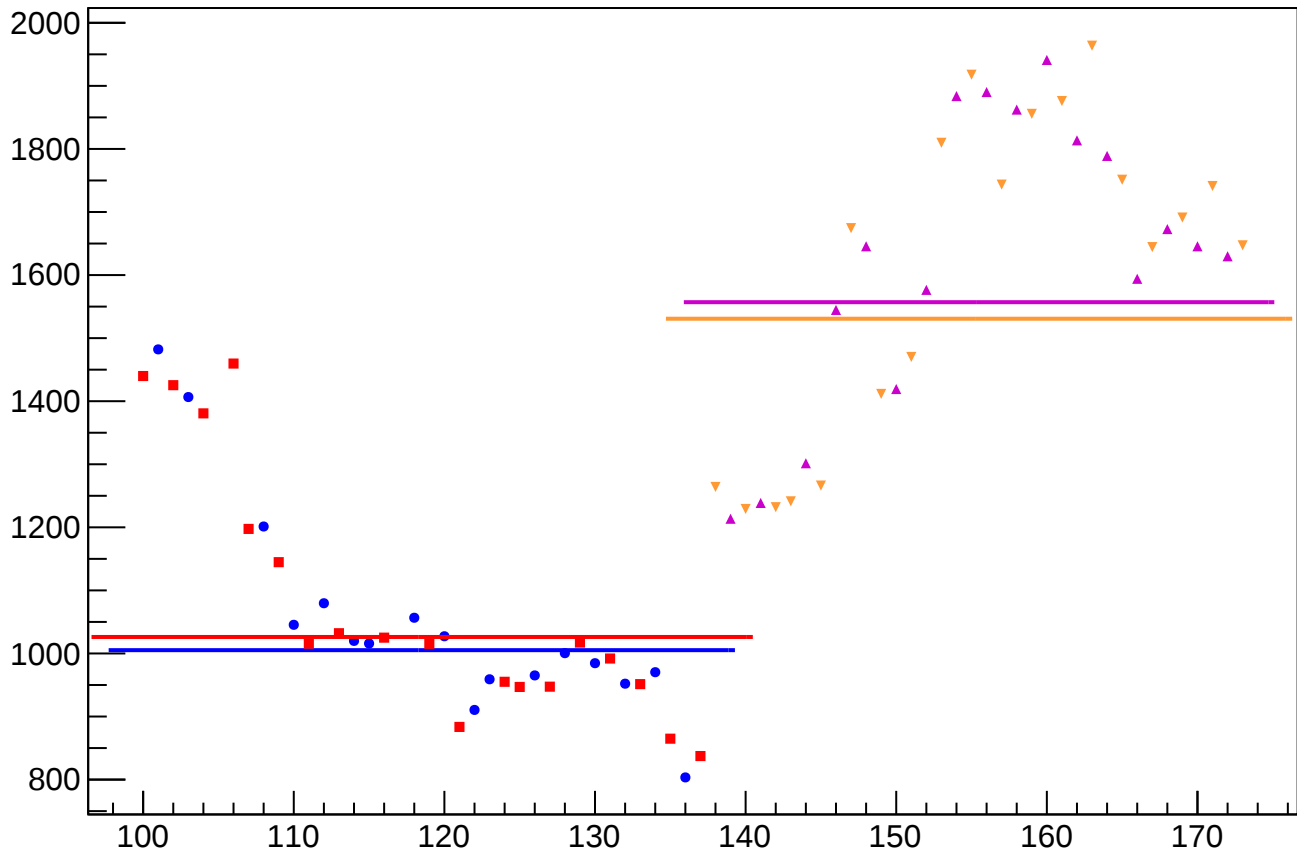
Left In: -8.061 ± 0.434 χ^2/NDF : 662.1/16

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

All: -4.495 ± 0.203 χ^2/NDF : 1543.9/71

- sign -3.130 ± 0.290 χ^2/NDF : 1017.8/35

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

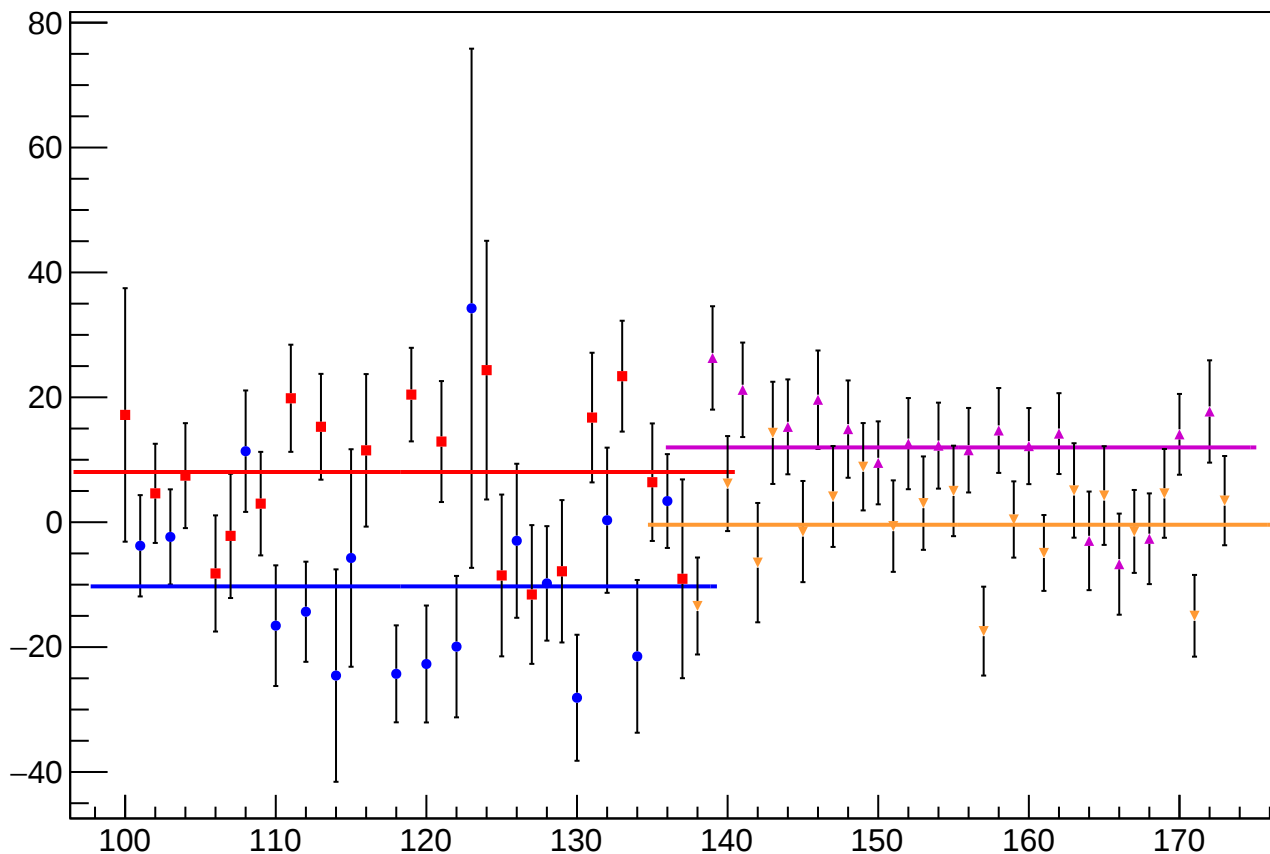
Left In: 1557.006 $\pm$ 0.307 χ^2 /NDF: 579139.1/16

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

All: 1258.582 $\pm$ 0.143 χ^2 /NDF: 5387194.8/71

- sign 1262.097 $\pm$ 0.205 χ^2 /NDF: 2571915.9/35

diff_bpm0l05X_mean vs Slug



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

Left Out: -0.406 ± 1.669 χ^2/NDF : 23.0/18

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

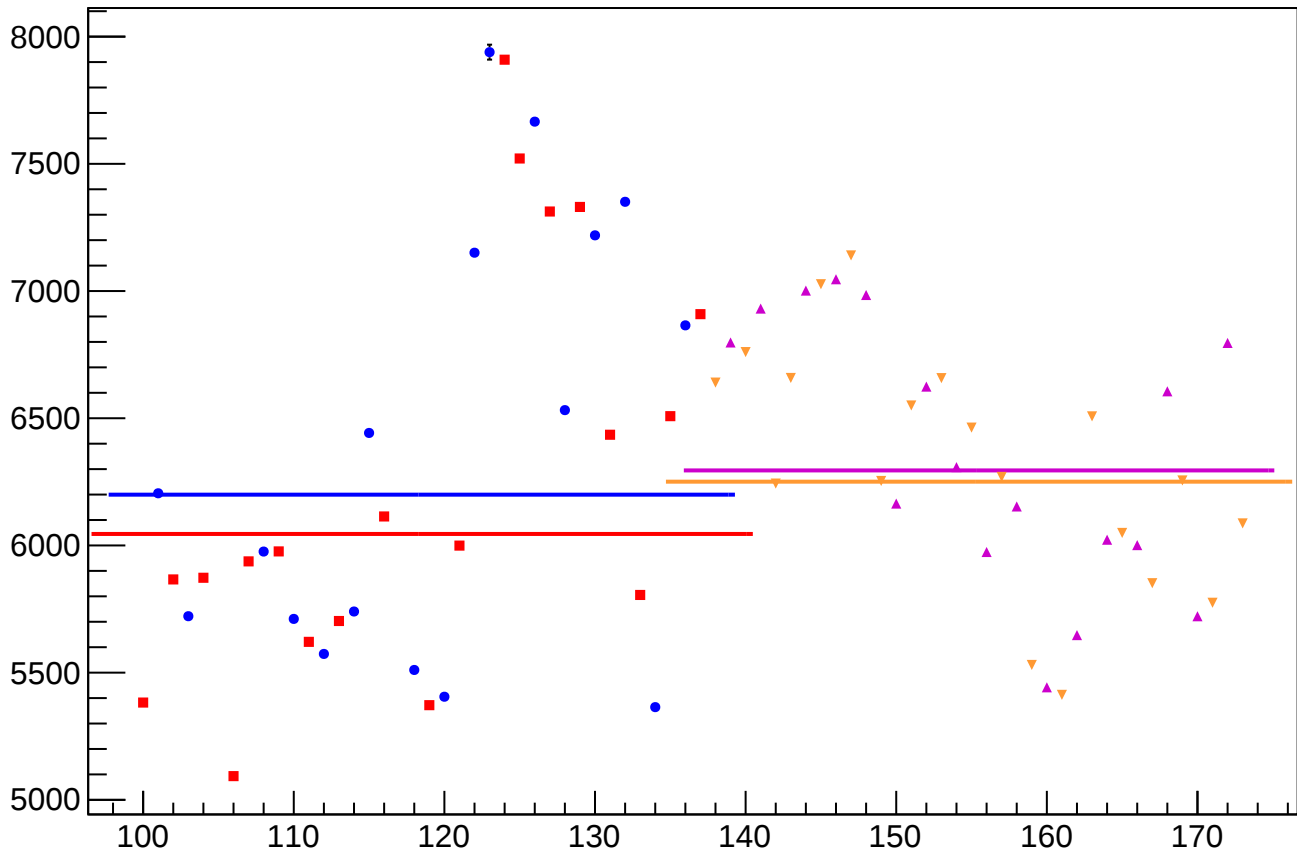
Left In: 11.979 ± 1.747 χ^2/NDF : 19.8/16

+ sign -3.610 ± 1.372 χ^2/NDF : 57.9/35

All: 3.382 ± 0.975 χ^2/NDF : 154.8/71

- sign 10.522 ± 1.386 χ^2/NDF : 44.4/35

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

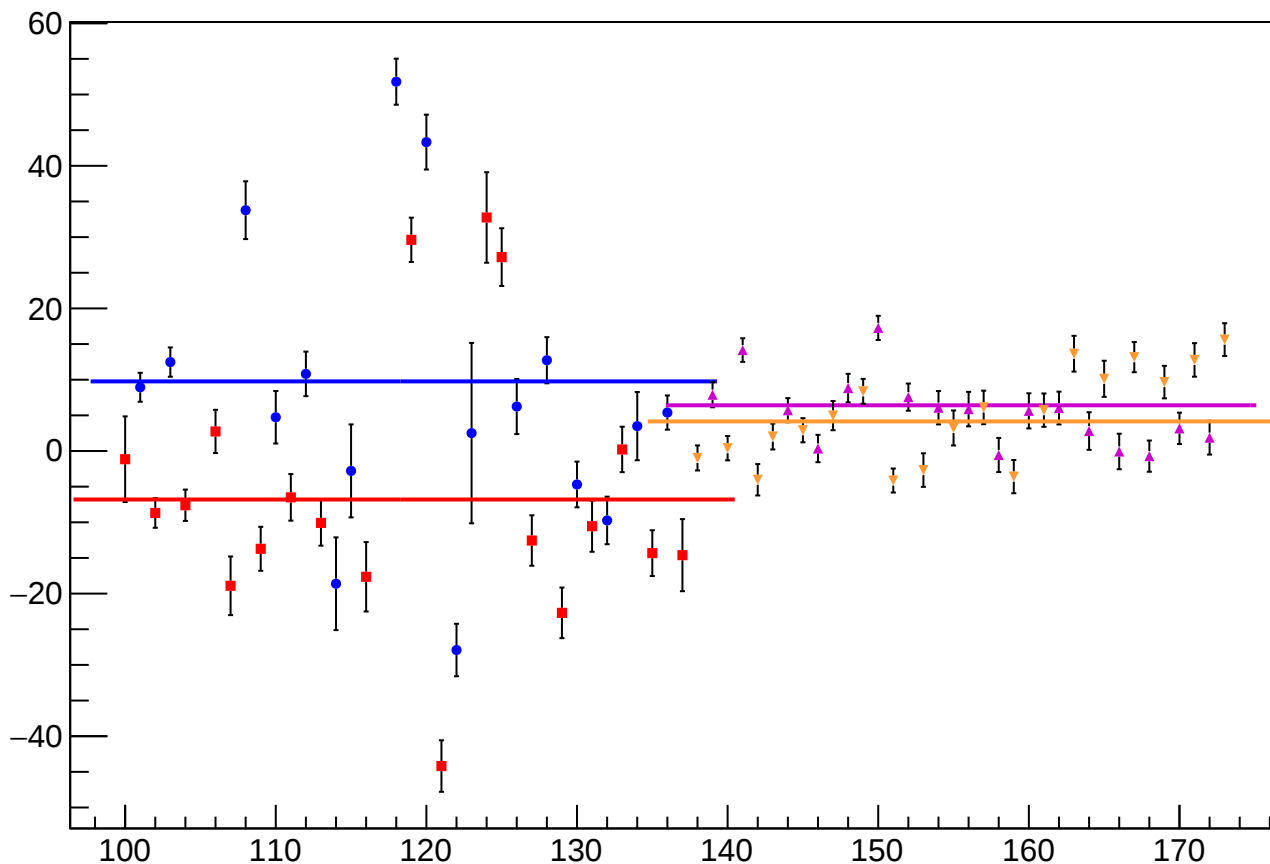
Left In: 6294.920 $\pm$ 1.235 χ^2 /NDF: 173841.9/16

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

All: 6218.457 $\pm$ 0.689 χ^2 /NDF: 681114.9/71

- sign 6202.471 $\pm$ 0.980 χ^2 /NDF: 347300.2/35

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

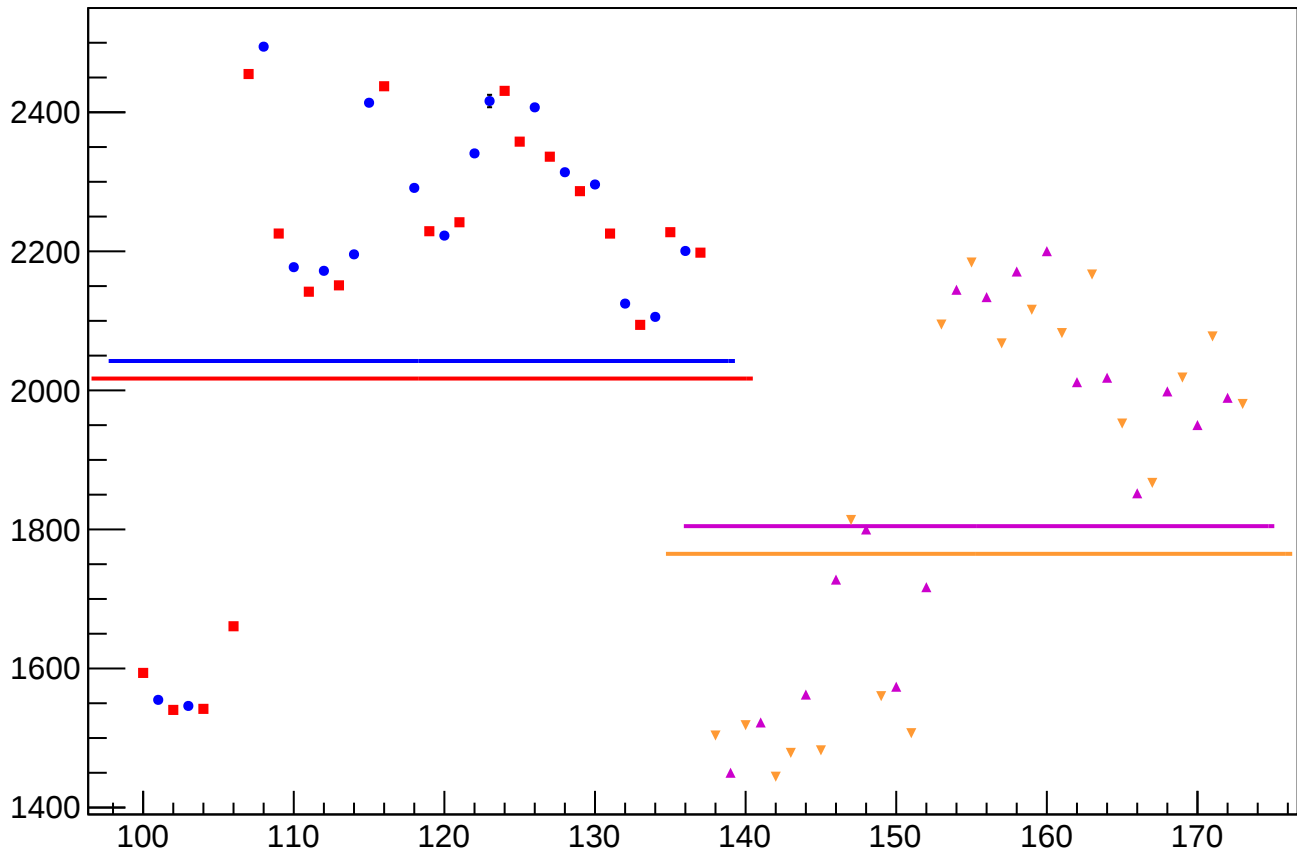
Left In: 6.411 ± 0.502 χ^2/NDF : 109.3/16

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

All: 4.073 ± 0.292 χ^2/NDF : 1442.2/71

- sign 2.429 ± 0.420 χ^2/NDF : 739.6/35

diff_bpm0l05Y_rms vs Slug



Right In: 2042.269 $\pm$ 0.563 χ^2 /NDF: 356820.1/16

Left Out: 1764.906 $\pm$ 0.335 χ^2 /NDF: 667791.6/18

Right Out: 2017.026 $\pm$ 0.541 χ^2 /NDF: 375630.3/18

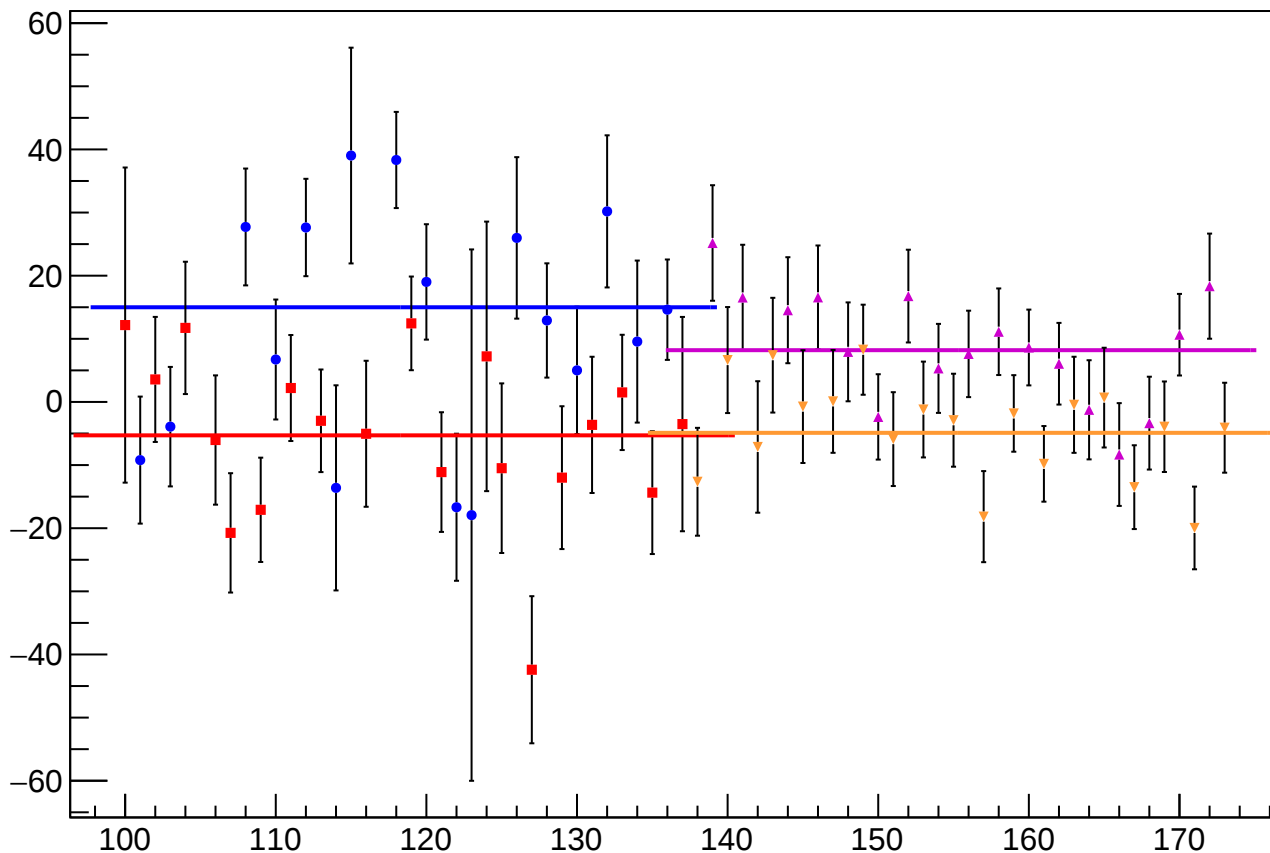
Left In: 1804.730 $\pm$ 0.355 χ^2 /NDF: 469415.4/16

+ sign 1837.463 $\pm$ 0.288 χ^2 /NDF: 1203537.1/35

All: 1852.624 $\pm$ 0.207 χ^2 /NDF: 2161958.7/71

- sign 1868.712 $\pm$ 0.297 χ^2 /NDF: 952717.3/35

diff_bpm0l06X_mean vs Slug



Right In: 14.997 $\pm$ 2.485 χ^2 /NDF: 41.3/16

Left Out: -4.892 $\pm$ 1.707 χ^2 /NDF:21.1/18

Right Out: -5.291 $\pm$ 2.357 χ^2 /NDF: 28.1/18

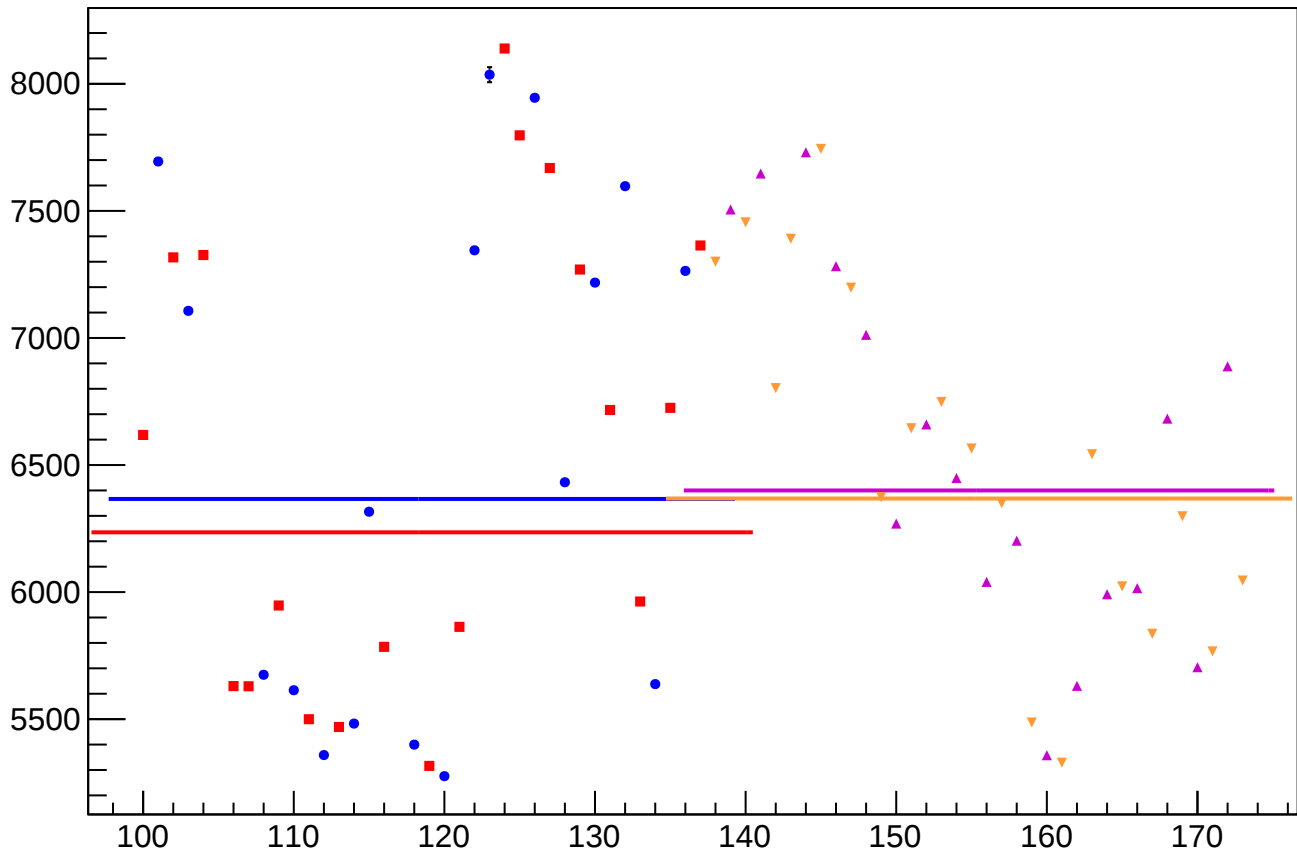
Left In: 8.200 $\pm$ 1.783 χ^2 /NDF:20.0/16

+ sign 1.483 $\pm$ 1.407 χ^2 /NDF: 105.9/35

All: 2.377 $\pm$ 1.000 χ^2 /NDF: 175.6/71

- sign 3.290 $\pm$ 1.422 χ^2 /NDF: 68.9/35

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

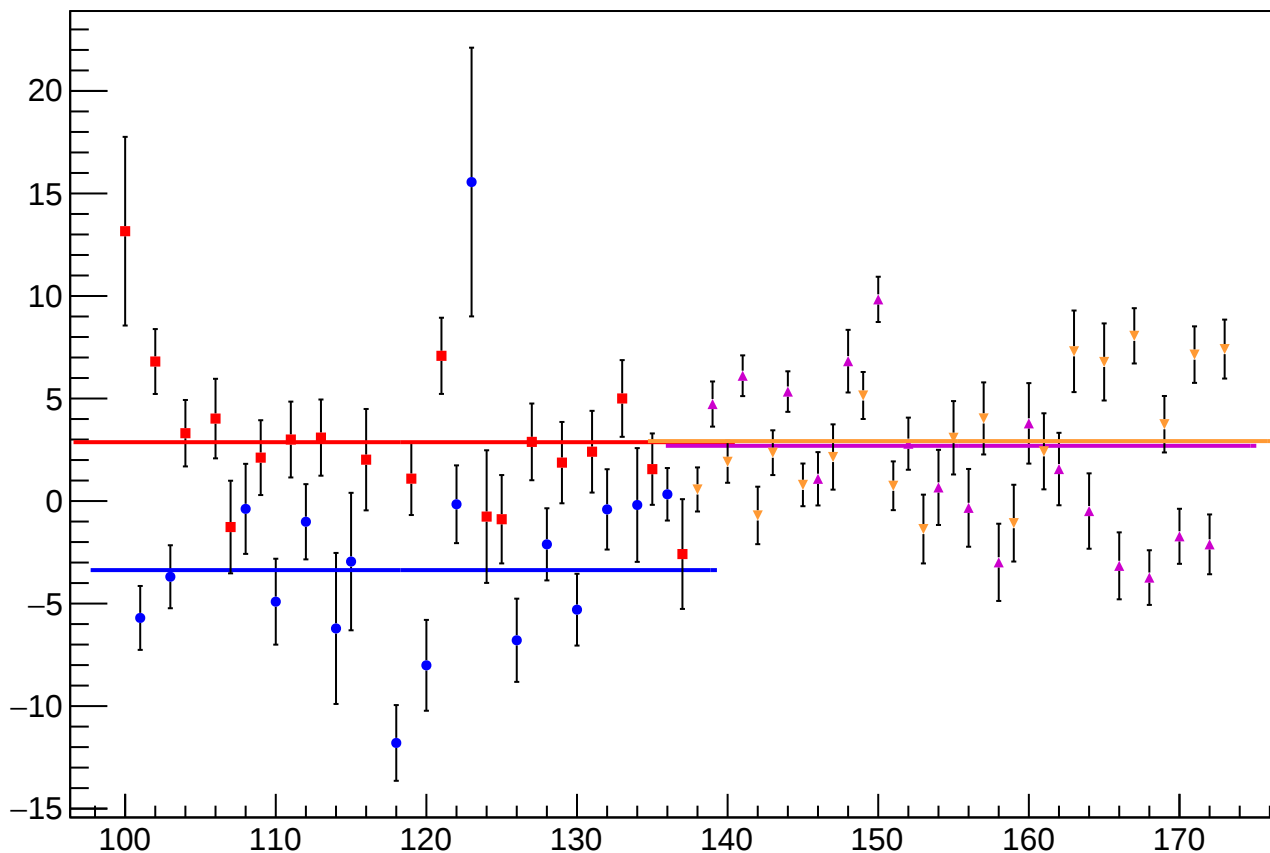
Left In: 6399.942+/-1.261 χ^2/NDF : 301256.6/16

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

All: 6353.968+/-0.707 χ^2/NDF : 1142493.0/71

- sign 6339.983+/-1.006 χ^2/NDF : 550675.1/35

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 $\chi^2/\text{NDF}: 32.0/18$

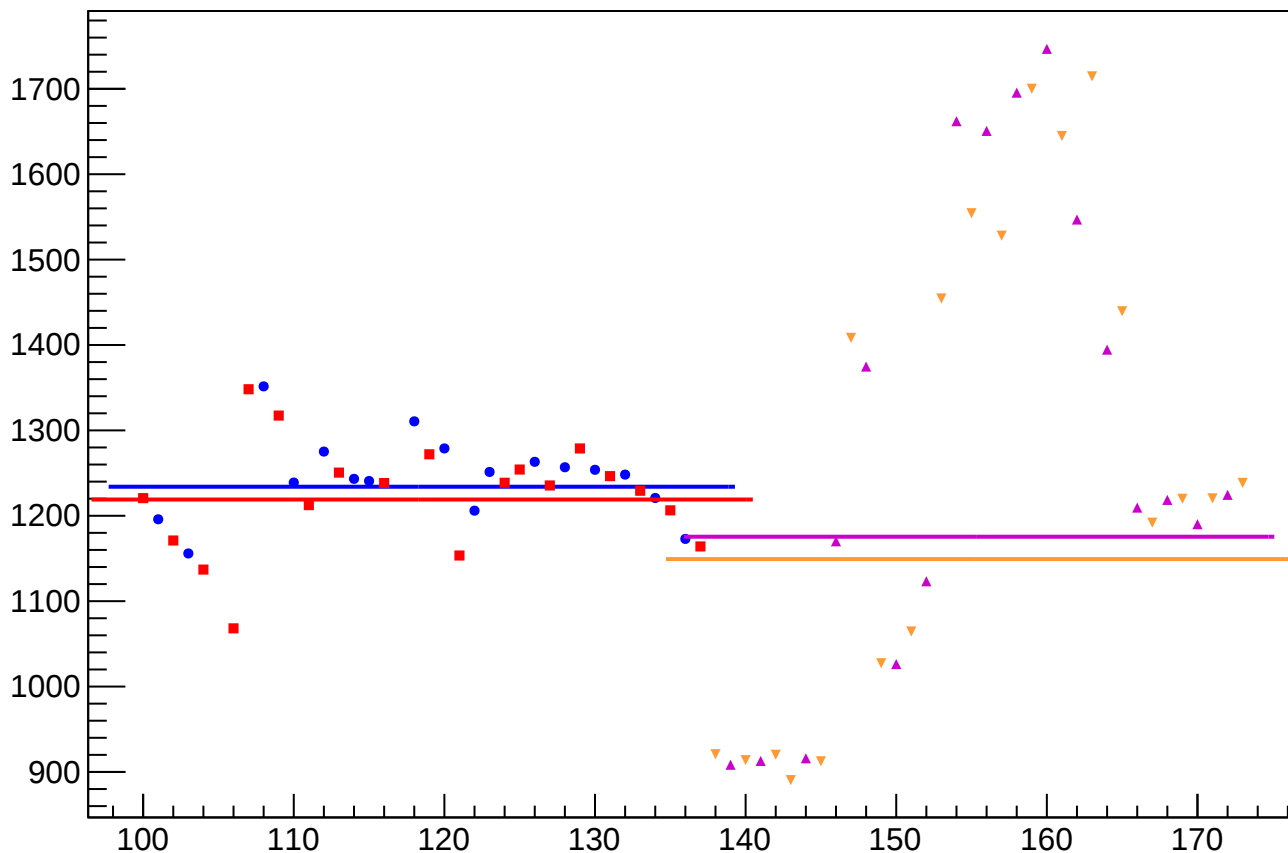
Left In: 2.694 ± 0.333 $\chi^2/\text{NDF}: 147.5/16$

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

All: 1.861 ± 0.188 $\chi^2/\text{NDF}: 461.8/71$

- sign 2.755 ± 0.269 $\chi^2/\text{NDF}: 179.6/35$

diff_bpm0l06Y_rms vs Slug



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

Left Out: 1149.272+/-0.222 χ^2/NDF : 1358142.2/18

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

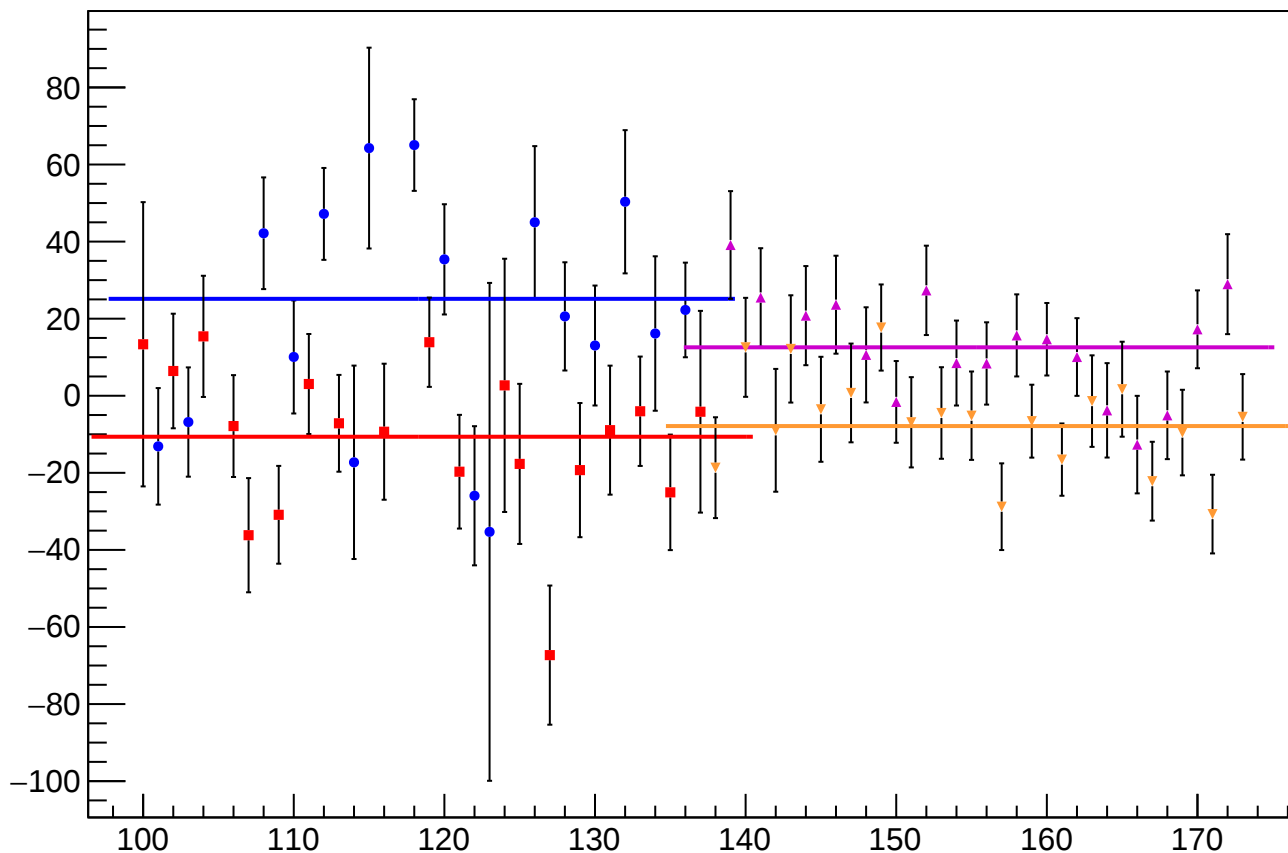
Left In: 1175.475+/-0.235 χ^2/NDF : 1180042.9/16

+ sign 1175.006+/-0.185 χ^2/NDF : 1425957.7/35

All: 1182.603+/-0.133 χ^2/NDF : 2661716.8/71

- sign 1190.611+/-0.190 χ^2/NDF : 1232305.7/35

diff_bpm0l07X_mean vs Slug



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

Left Out: -7.865 ± 2.654 $\chi^2/\text{NDF}: 23.5/18$

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

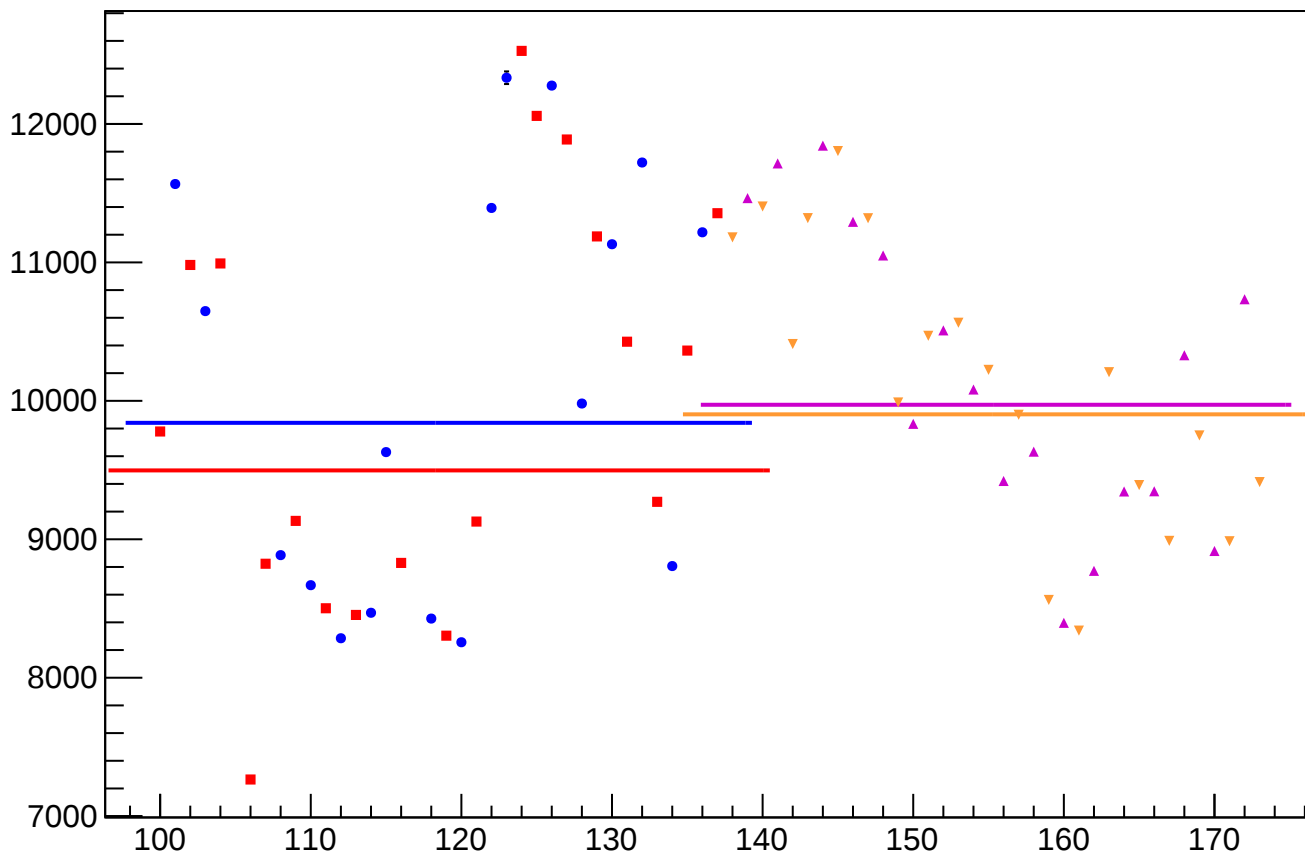
Left In: 12.568 ± 2.777 $\chi^2/\text{NDF}: 19.7/16$

+ sign 2.816 ± 2.183 $\chi^2/\text{NDF}: 120.5/35$

All: 3.353 ± 1.549 $\chi^2/\text{NDF}: 194.1/71$

- sign 3.898 ± 2.197 $\chi^2/\text{NDF}: 73.5/35$

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

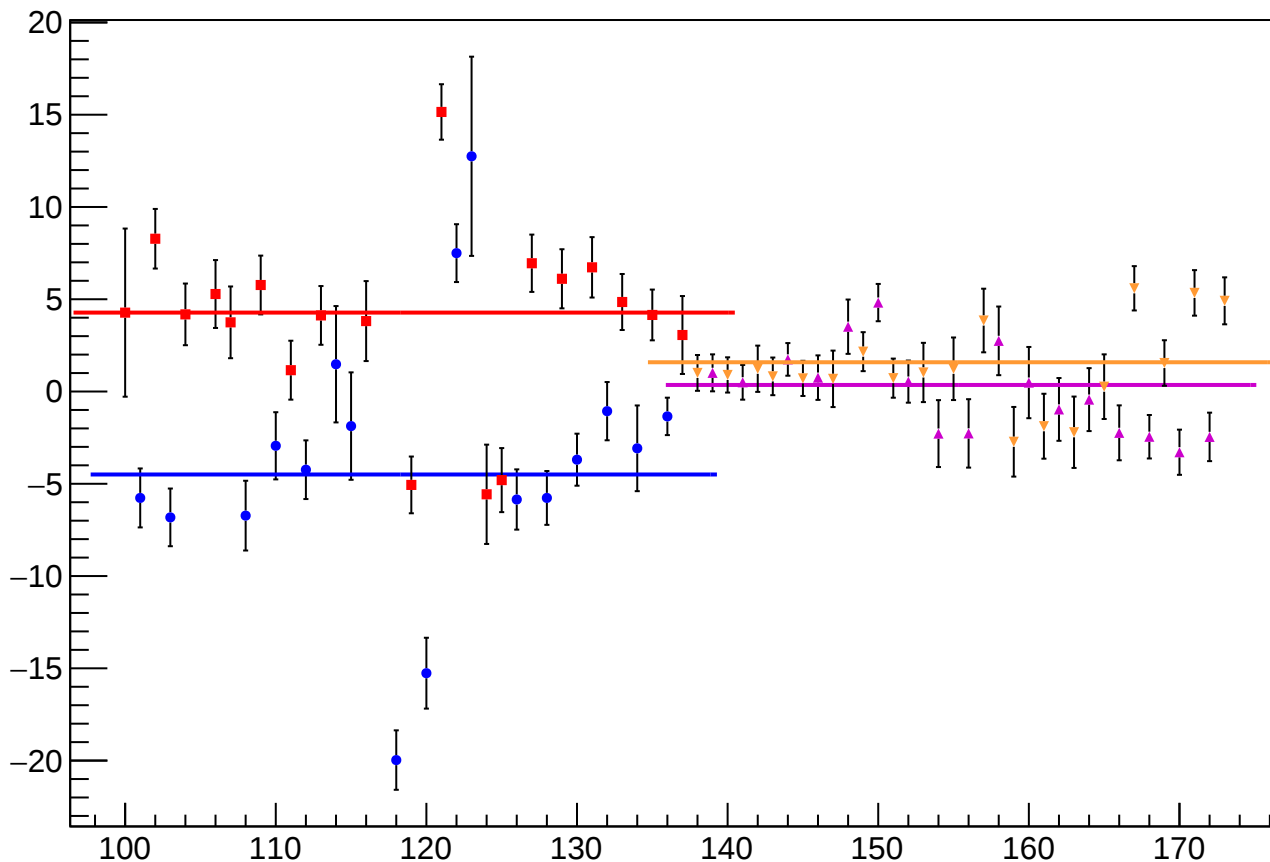
Left In: 9971.645+/-1.963 χ^2/NDF : 276613.5/16

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

All: 9838.874+/-1.095 χ^2/NDF : 1119139.6/71

- sign 9794.461+/-1.554 χ^2/NDF : 575109.0/35

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

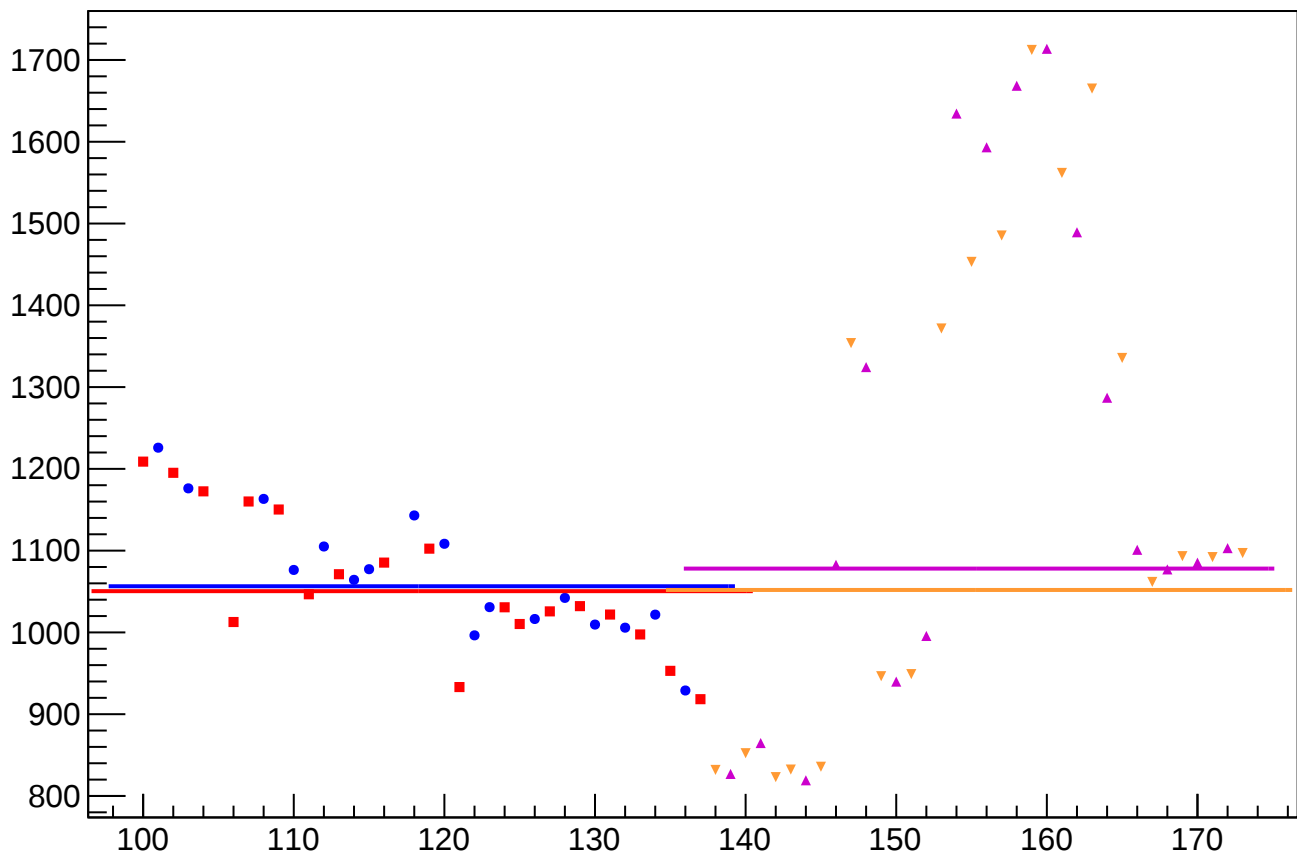
Left In: 0.355 ± 0.308 χ^2/NDF : 55.9/16

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

All: 0.666 ± 0.169 χ^2/NDF : 724.0/71

- sign 1.842 ± 0.243 χ^2/NDF : 265.7/35

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

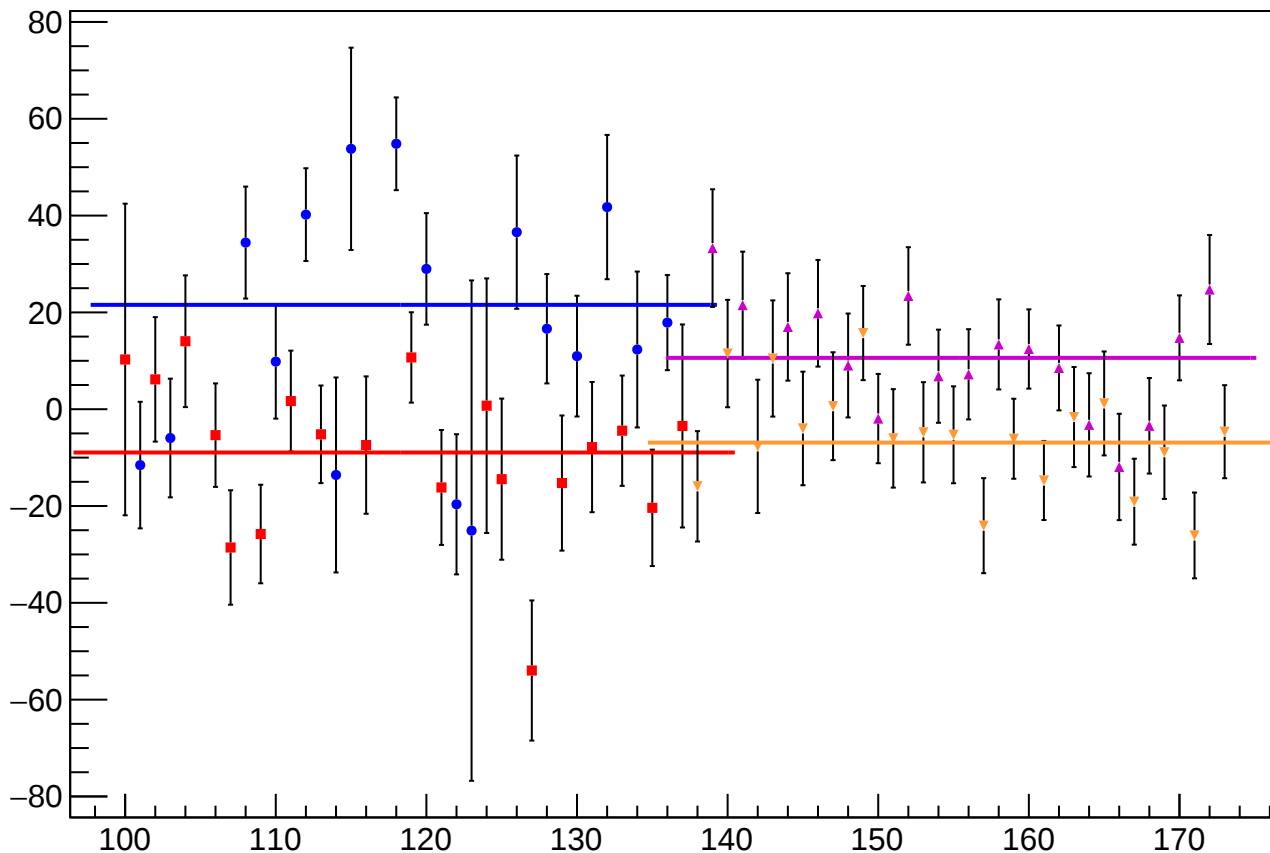
Left In: 1078.042 $\pm$ 0.218 χ^2 /NDF:1413125.5/16

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

All: 1060.308 $\pm$ 0.120 χ^2 /NDF: 3156621.7/71

- sign 1067.582 $\pm$ 0.171 χ^2 /NDF: 1501618.8/35

diff_bpm0l08X_mean vs Slug



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

Left Out: -6.892 $\pm$ 2.307 χ^2 /NDF:23.0/18

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

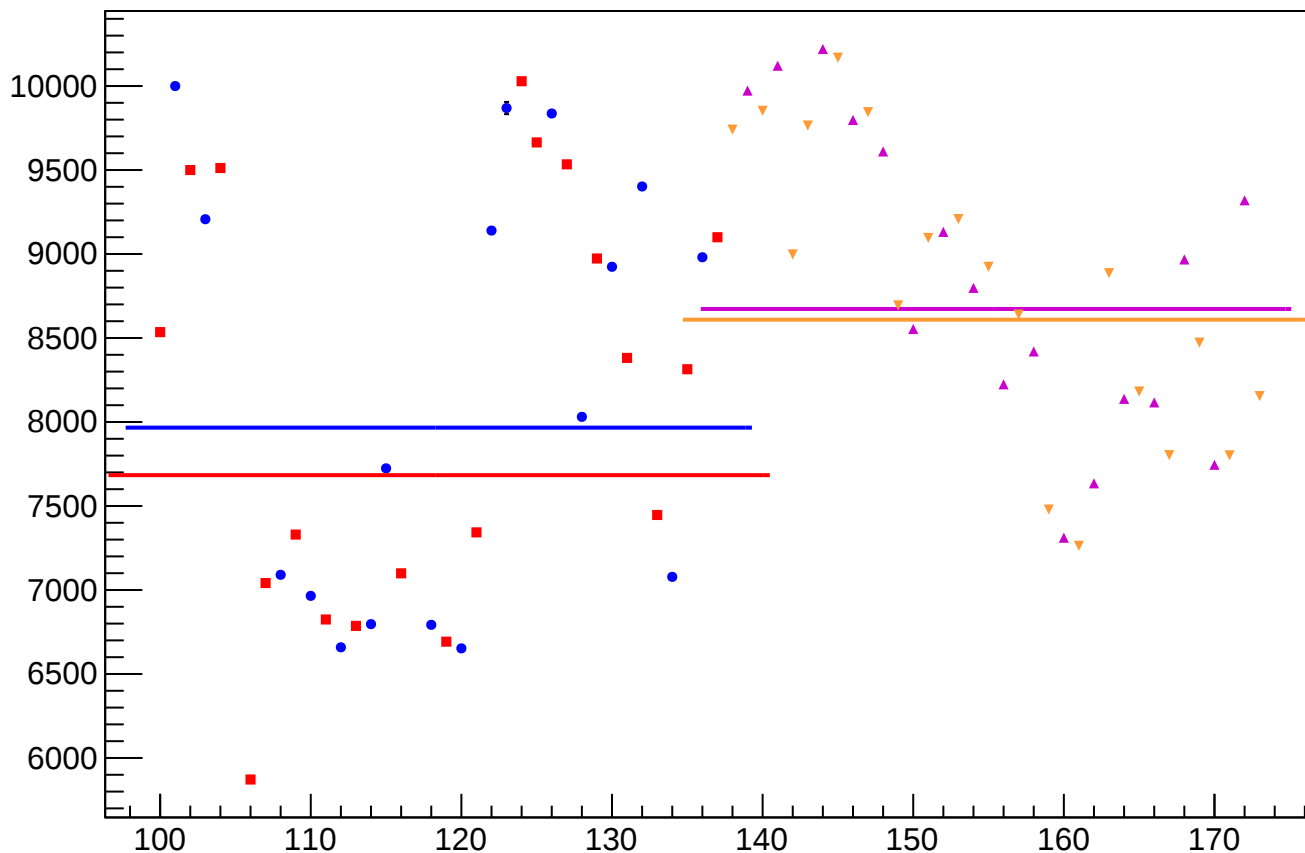
Left In: 10.609 $\pm$ 2.414 χ^2 /NDF:19.2/16

+ sign 3.204 $\pm$ 1.853 χ^2 /NDF: 125.3/35

All: 2.925 $\pm$ 1.312 χ^2 /NDF: 198.7/71

- sign 2.644 $\pm$ 1.859 χ^2 /NDF: 73.3/35

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

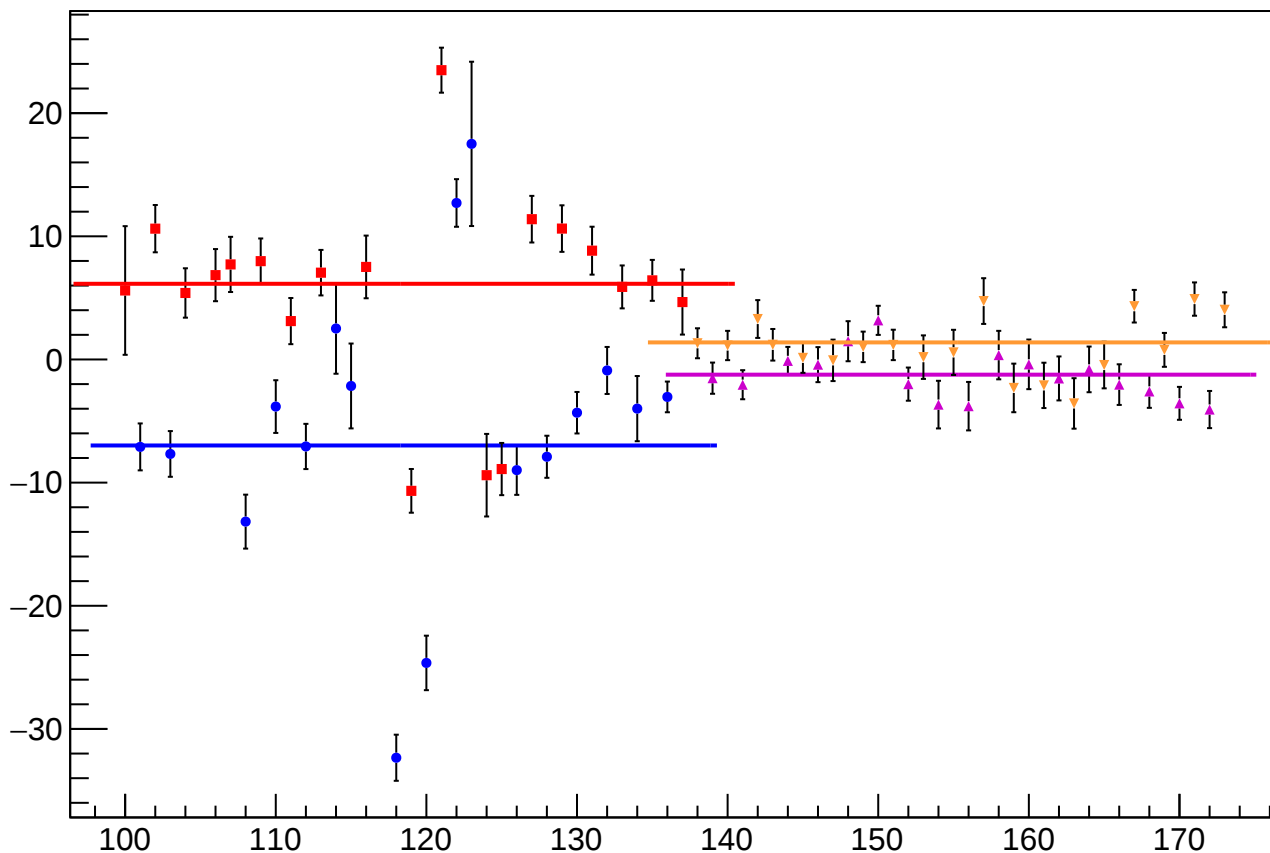
Left In: 8672.881 $\pm$ 1.707 χ^2 /NDF: 267286.8/16

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

All: 8325.656 $\pm$ 0.928 χ^2 /NDF: 1347126.8/71

- sign 8269.814 $\pm$ 1.314 χ^2 /NDF: 719158.3/35

diff_bpm0l08Y_mean vs Slug



Right In: -6.984 $\pm$ 0.486 χ^2/NDF : 408.5/16

Left Out: 1.385 $\pm$ 0.336 χ^2/NDF : 36.7/18

Right Out: 6.145 $\pm$ 0.467 χ^2/NDF : 277.5/18

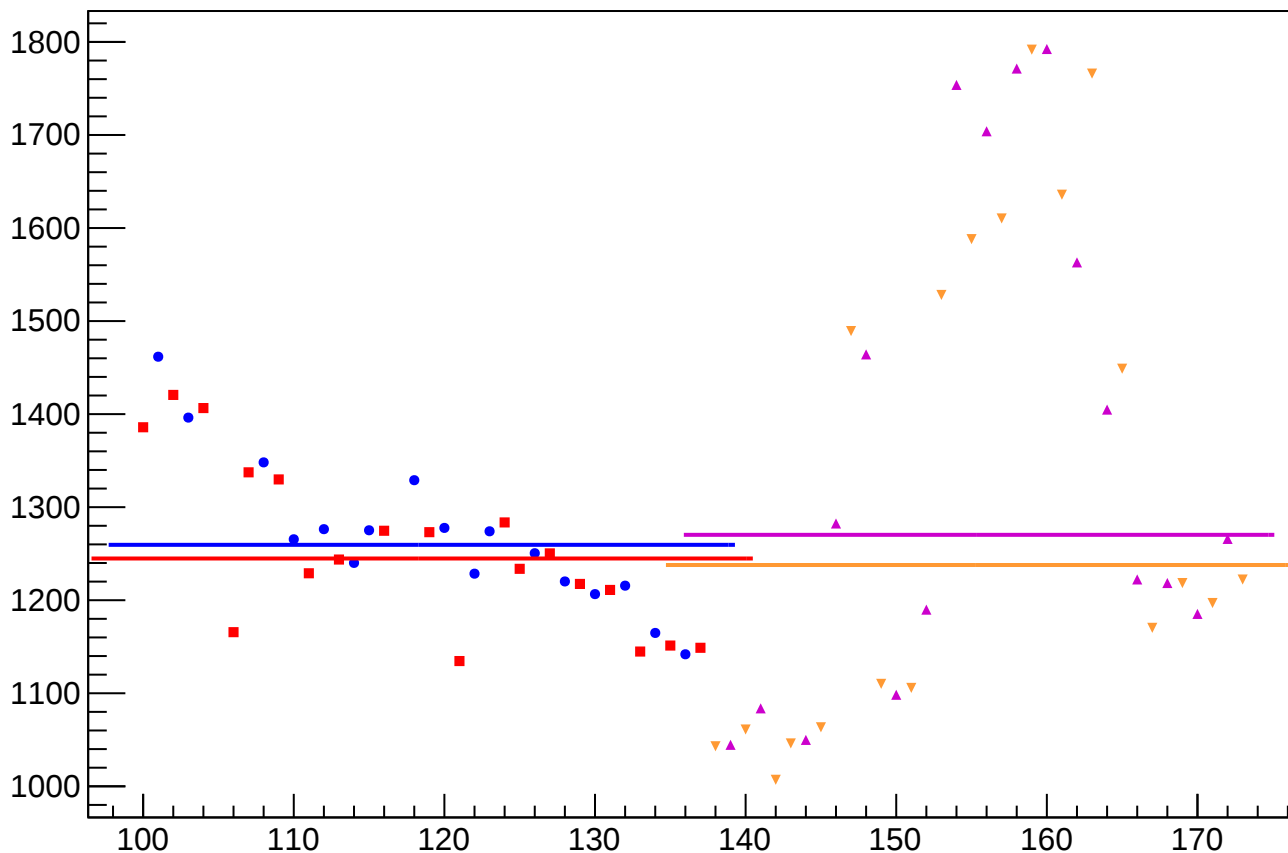
Left In: -1.234 $\pm$ 0.358 χ^2/NDF : 30.9/16

+ sign -1.317 $\pm$ 0.276 χ^2/NDF : 645.9/35

All: 0.051 $\pm$ 0.198 χ^2/NDF : 1162.2/71

- sign 1.496 $\pm$ 0.284 χ^2/NDF : 465.9/35

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

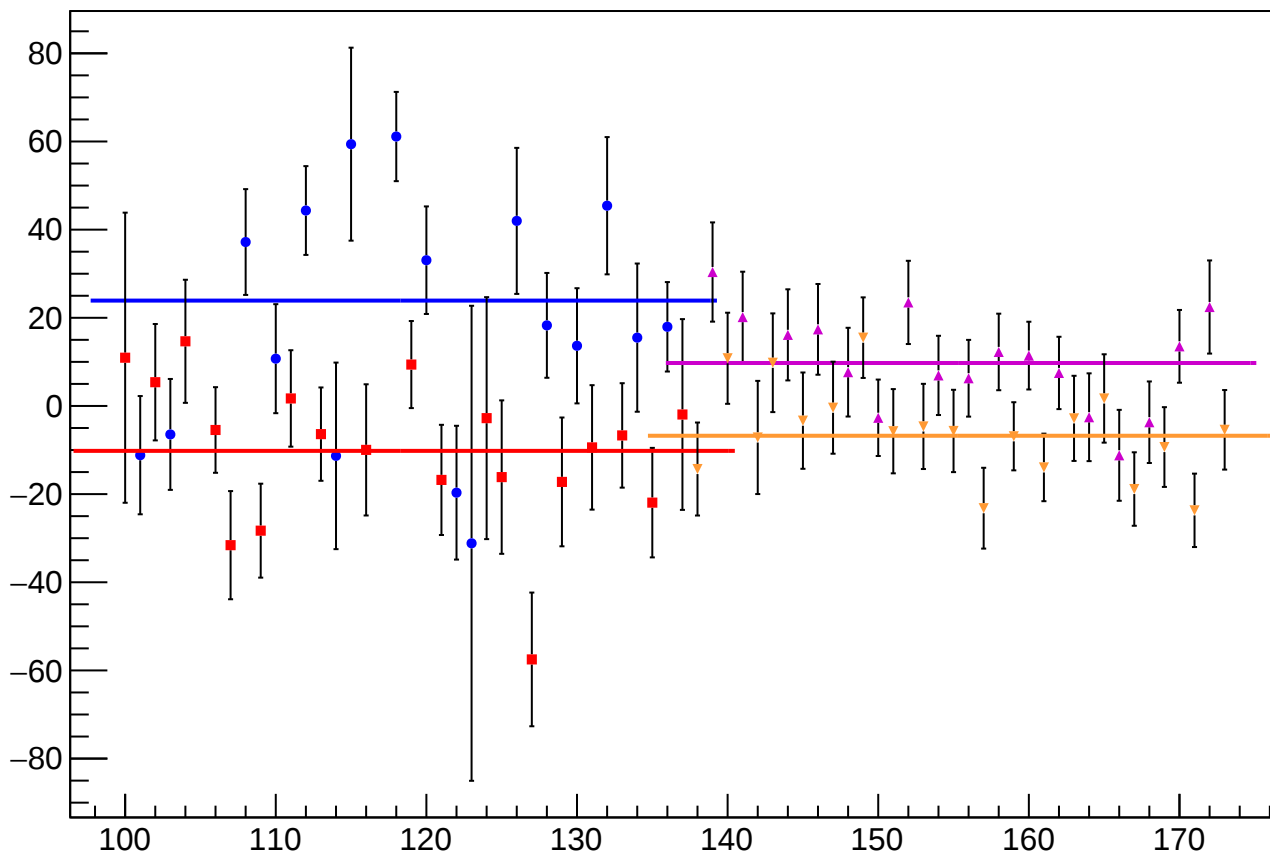
Left In: 1270.273 $\pm$ 0.253 χ^2 /NDF: 830136.4/16

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

All: 1252.638 $\pm$ 0.140 χ^2 /NDF: 1910819.8/71

- sign 1260.864 $\pm$ 0.201 χ^2 /NDF: 900706.5/35

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 $\chi^2/\text{NDF}: 27.9/18$

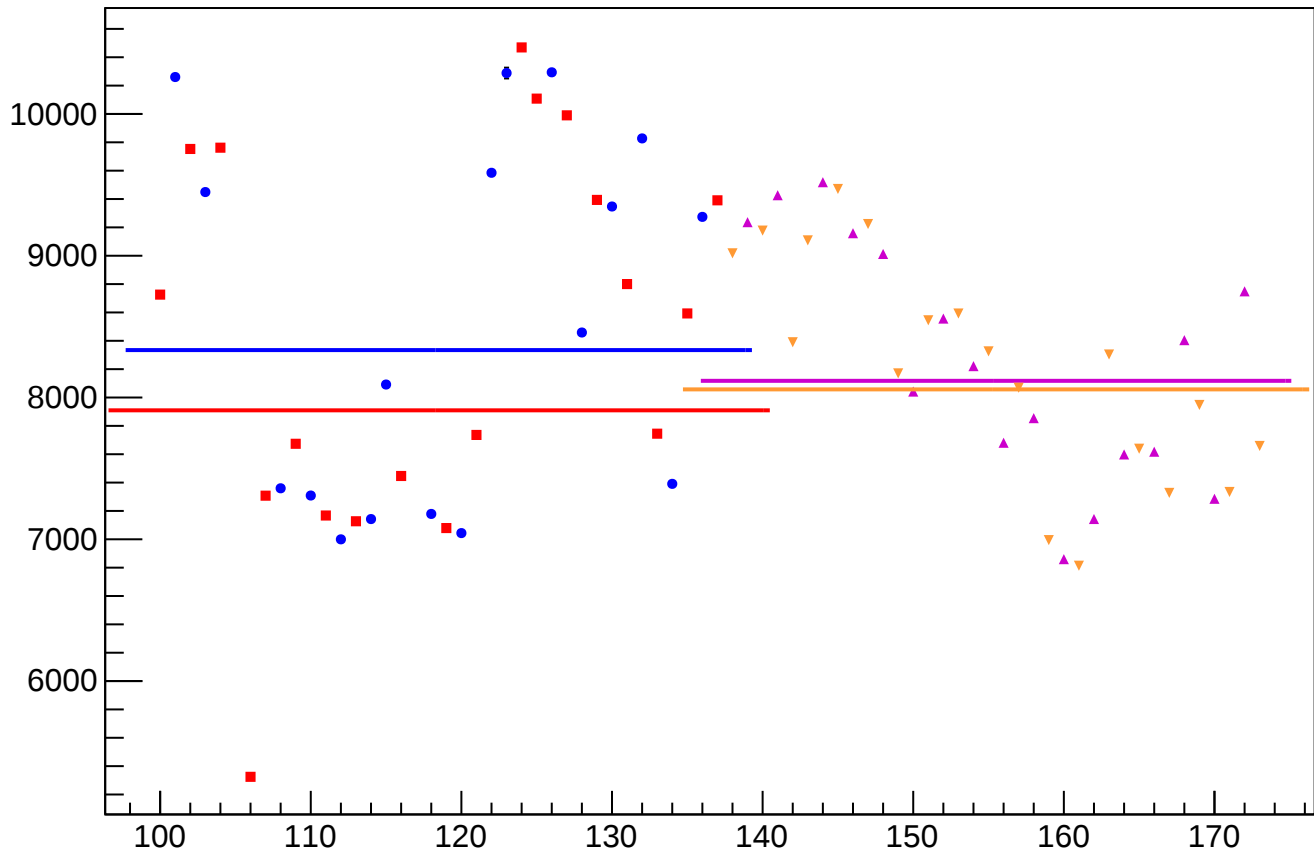
Left In: 9.747 ± 2.259 $\chi^2/\text{NDF}: 19.4/16$

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

All: 2.586 ± 1.274 $\chi^2/\text{NDF}: 213.0/71$

- sign -2.549 ± 1.806 $\chi^2/\text{NDF}: 75.5/35$

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

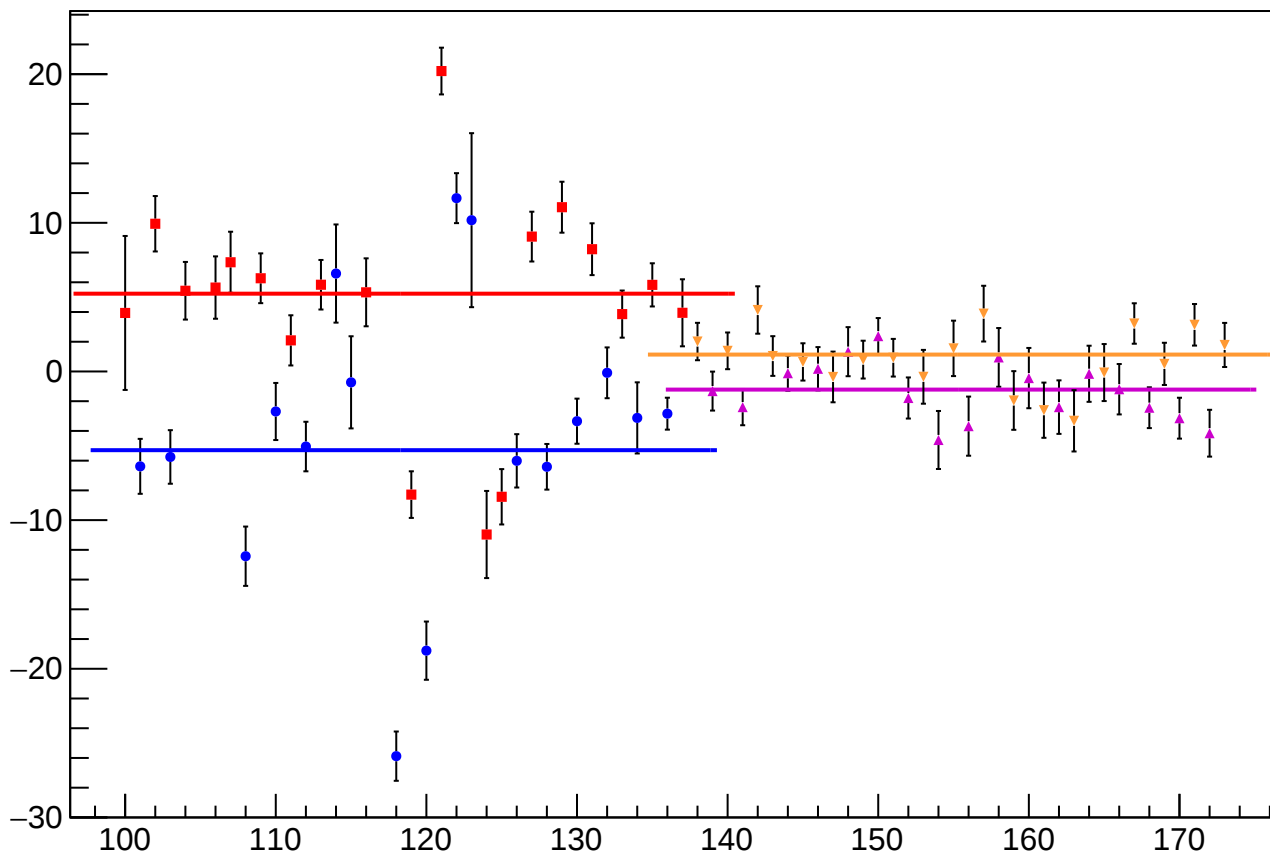
Left In: 8117.734 ± 1.597 χ^2/NDF : 258023.7/16

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

All: 8092.583 ± 0.901 χ^2/NDF : 1201126.4/71

- sign 8042.603 ± 1.277 χ^2/NDF : 654970.3/35

diff_bpm0l09Y_mean vs Slug



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

Left Out: 1.136 ± 0.345 χ^2/NDF : 24.4/18

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

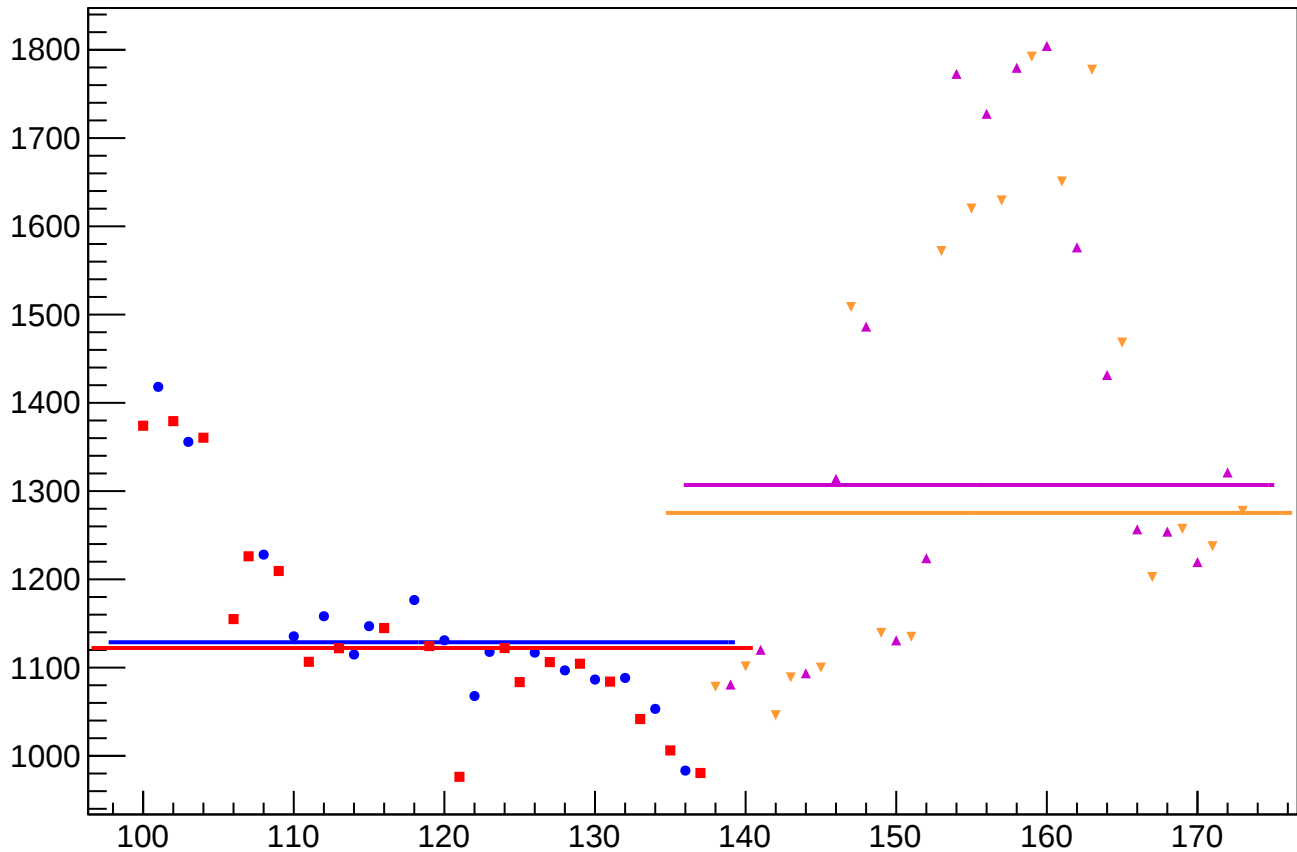
Left In: -1.219 ± 0.367 χ^2/NDF : 26.9/16

+ sign -1.335 ± 0.271 χ^2/NDF : 516.0/35

All: 0.082 ± 0.194 χ^2/NDF : 1013.9/71

- sign 1.562 ± 0.277 χ^2/NDF : 442.0/35

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

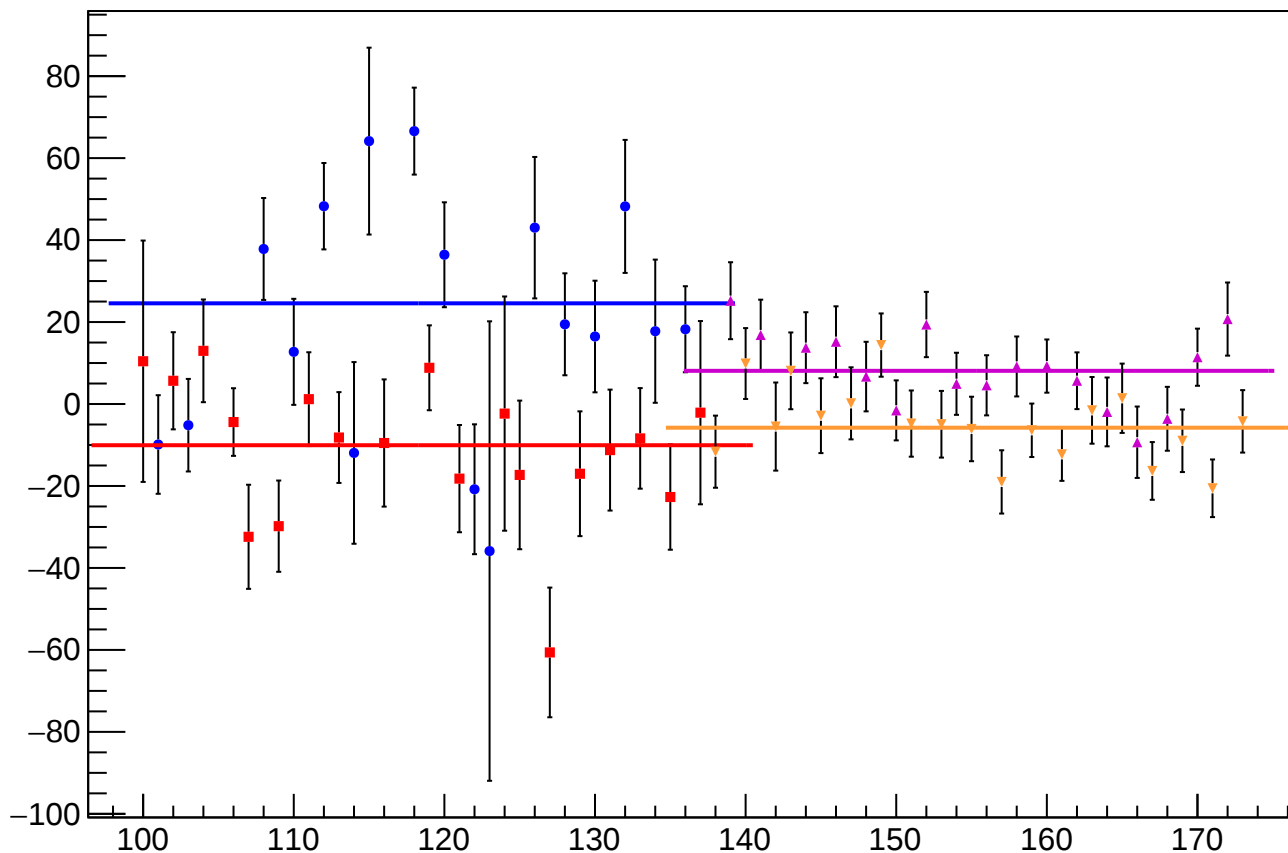
Left In: 1306.888 $\pm$ 0.260 χ^2 /NDF: 749147.4/16

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

All: 1223.045 $\pm$ 0.137 χ^2 /NDF: 2221488.1/71

- sign 1227.291 $\pm$ 0.196 χ^2 /NDF: 1096960.2/35

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 $\chi^2/\text{NDF}: 28.8/18$

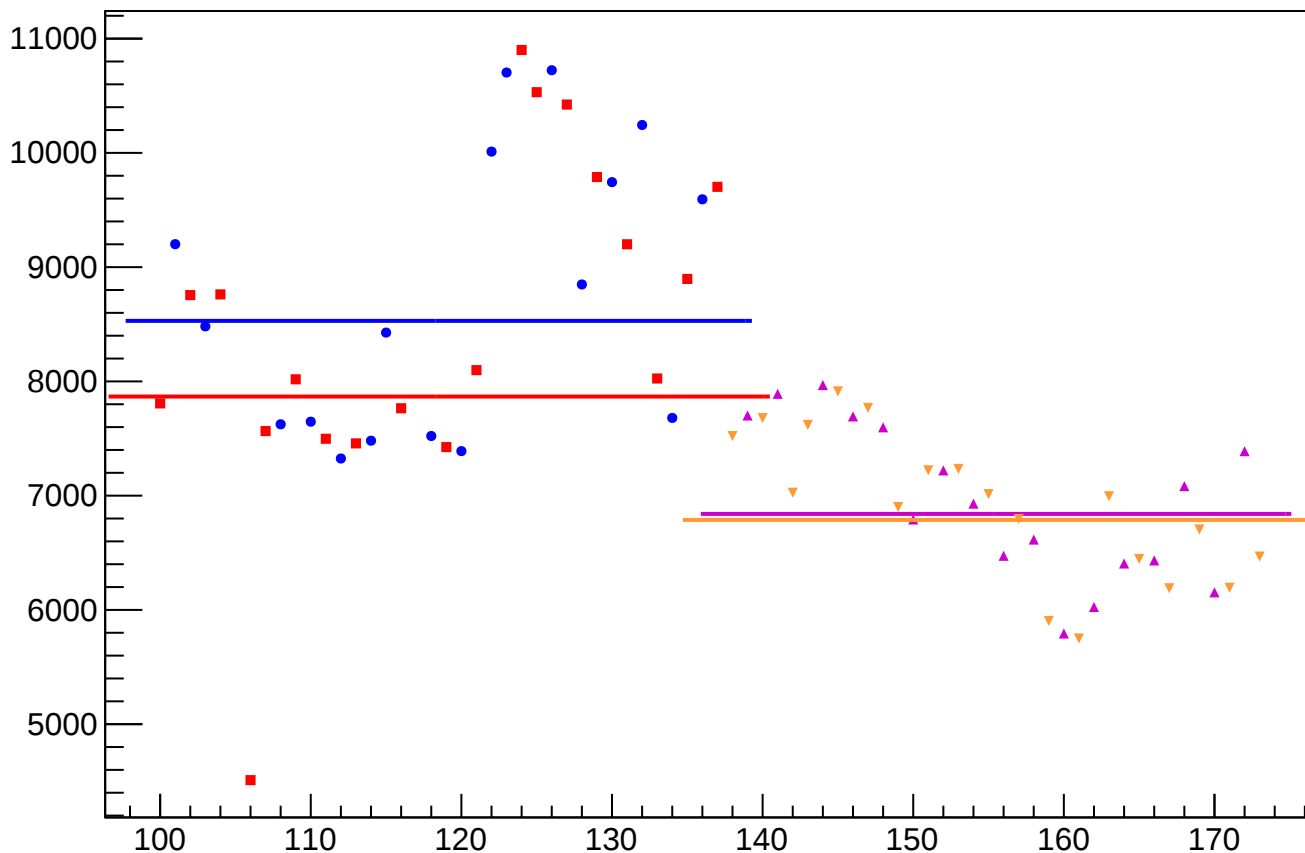
Left In: 8.096 ± 1.903 $\chi^2/\text{NDF}: 19.7/16$

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

All: 2.057 ± 1.132 $\chi^2/\text{NDF}: 222.7/71$

- sign 2.906 ± 1.608 $\chi^2/\text{NDF}: 74.5/35$

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

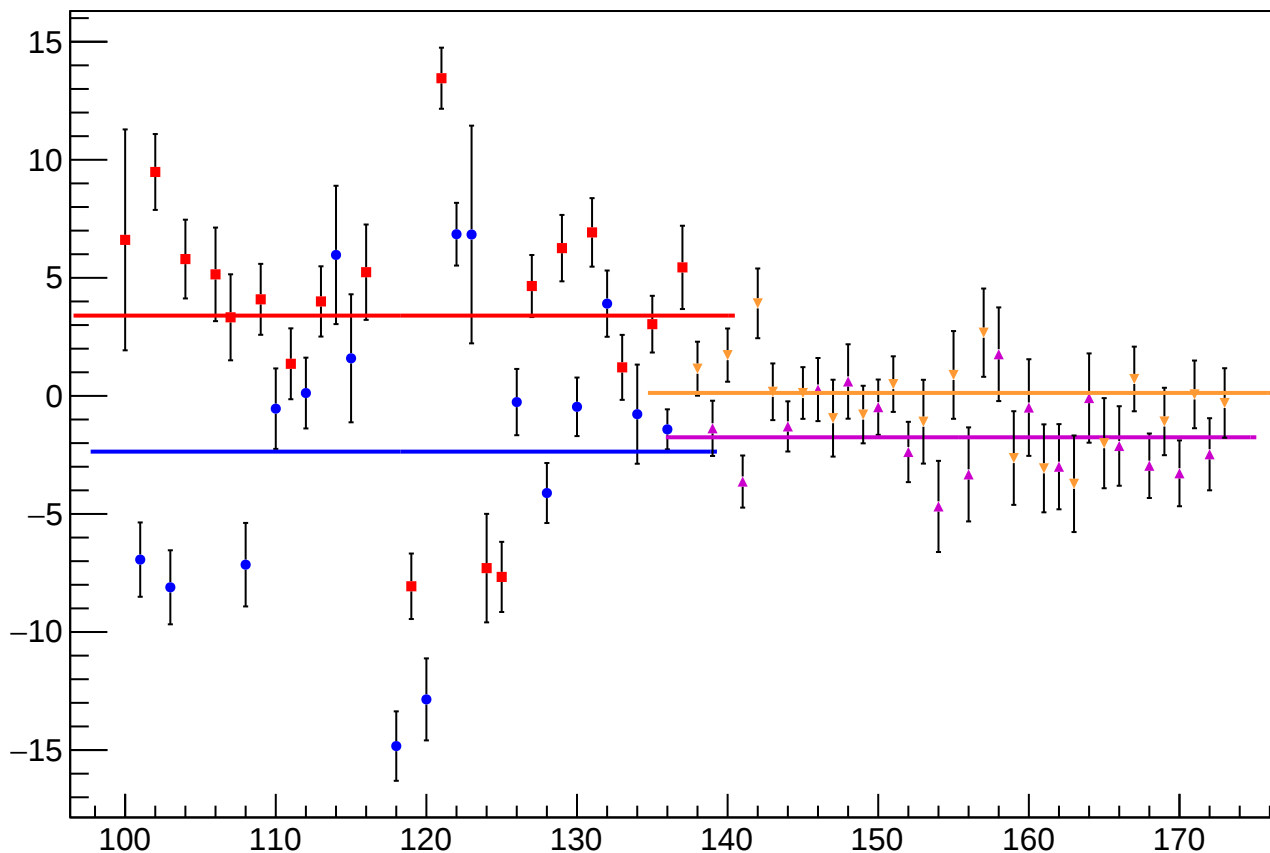
Left In: 6840.331+/-1.346 χ^2/NDF : 246222.6/16

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

All: 7162.004+/-0.801 χ^2/NDF : 1848738.4/71

- sign 7134.009+/-1.137 χ^2/NDF : 968673.4/35

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

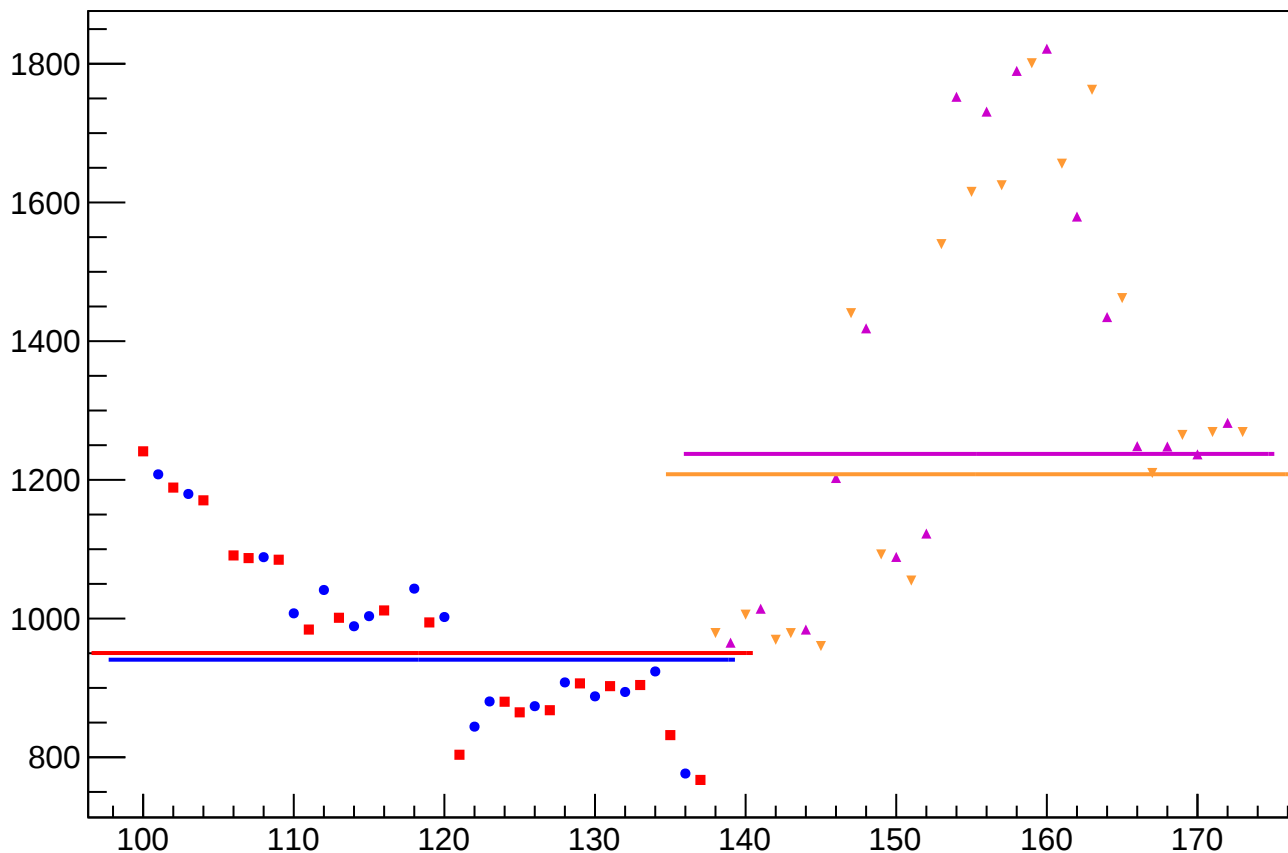
Left In: -1.753 ± 0.350 χ^2/NDF : 19.1/16

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

All: -0.132 ± 0.175 χ^2/NDF : 672.7/71

- sign 0.763 ± 0.250 χ^2/NDF : 366.5/35

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1208.117 $\pm$ 0.233 χ^2 /NDF:1217133.2/18

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

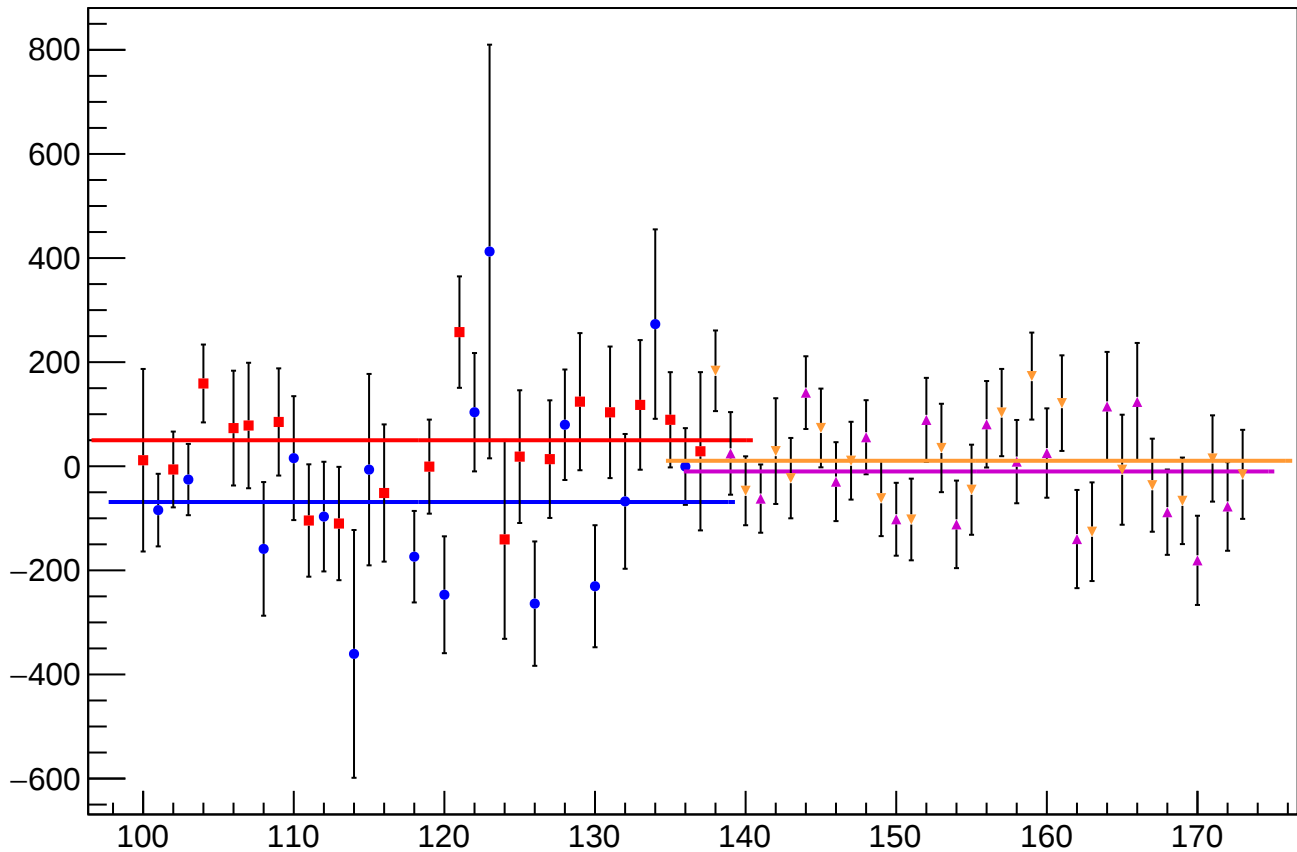
Left In: 1237.426 $\pm$ 0.247 χ^2 /NDF:1058782.7/16

+ sign 1088.401 $\pm$ 0.173 χ^2 /NDF: 2050179.1/35

All: 1092.743 $\pm$ 0.124 χ^2 /NDF: 3988693.2/71

- sign 1097.288 $\pm$ 0.177 χ^2 /NDF: 1937224.2/35

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

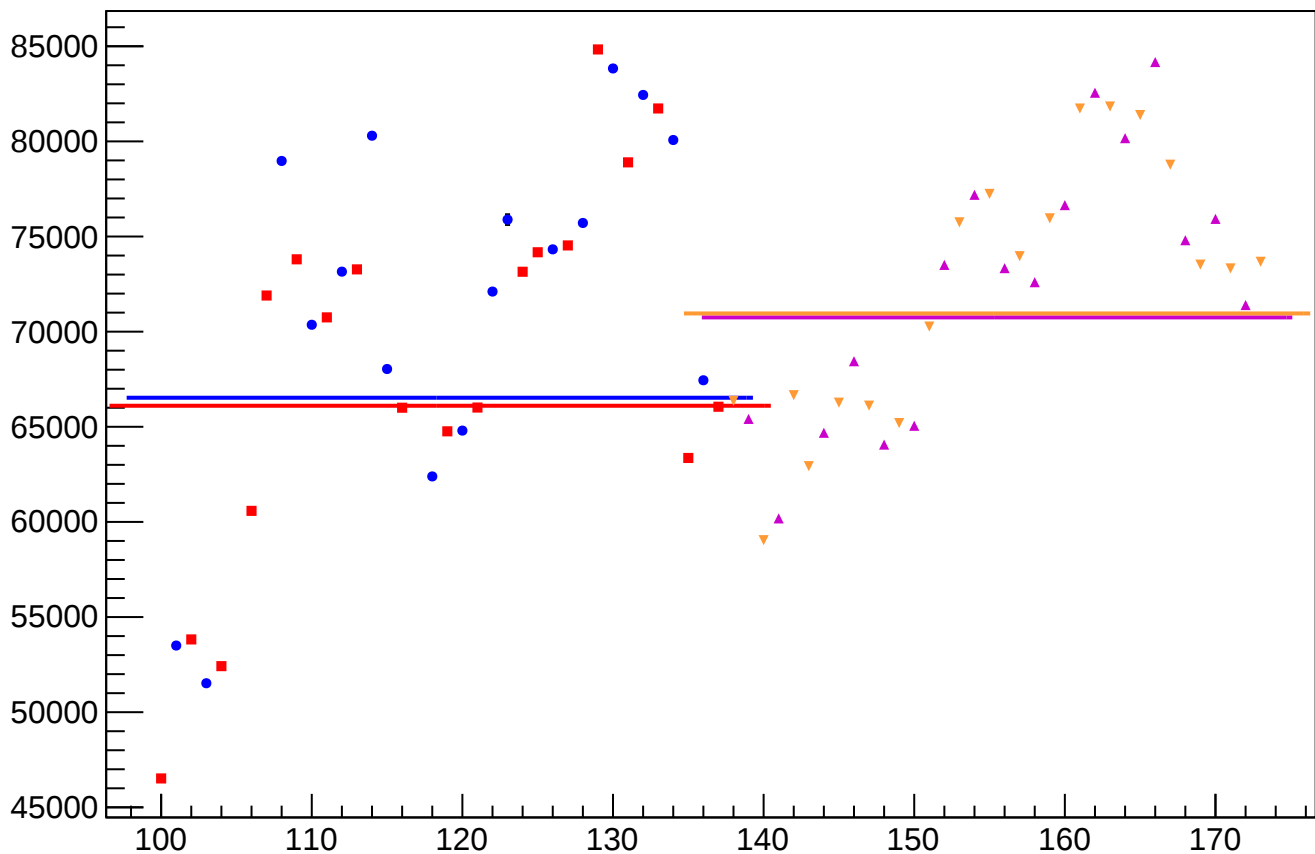
Left In: -10.006 ± 19.584 χ^2/NDF : 22.8/16

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

All: -2.231 ± 10.857 χ^2/NDF : 90.0/71

- sign 12.775 ± 15.421 χ^2/NDF : 40.3/35

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

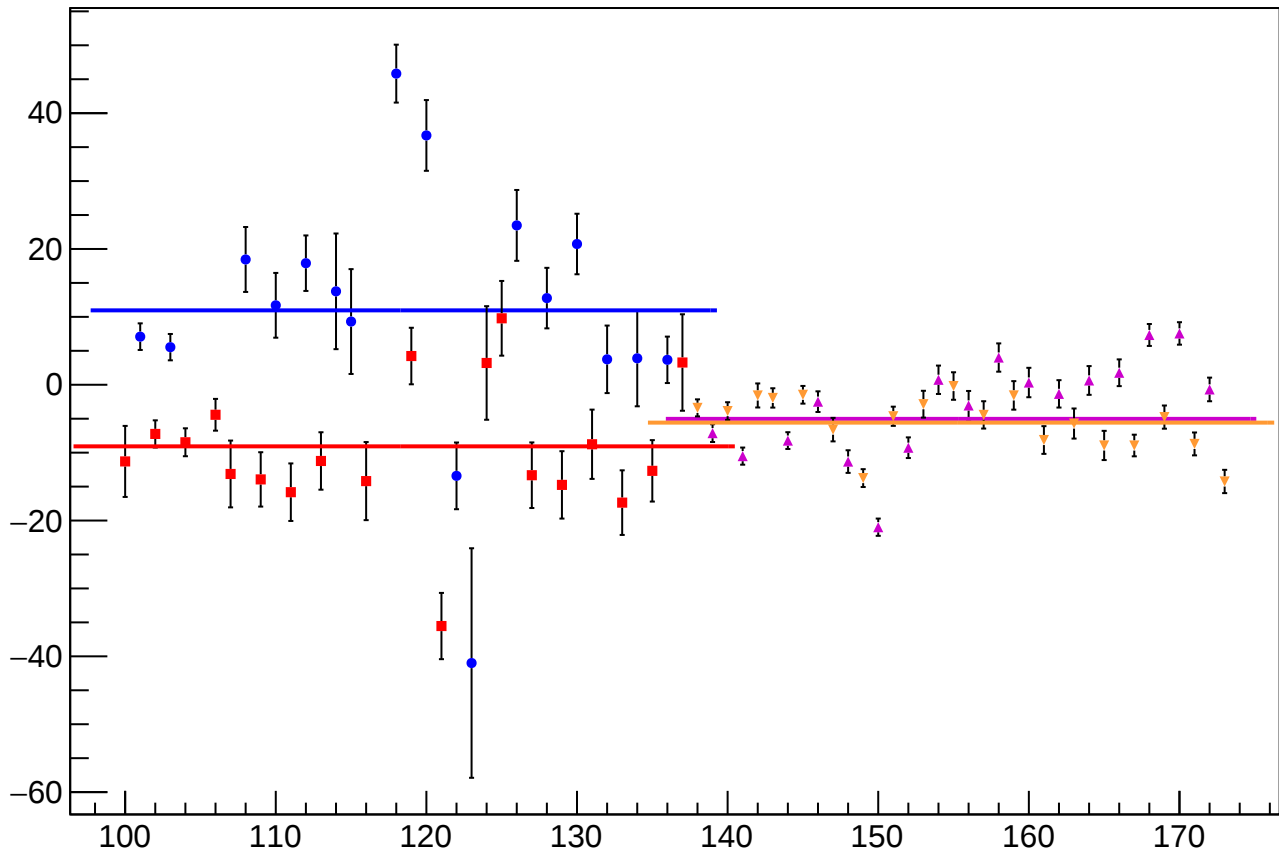
Left In: 70749.026+/-13.848 χ^2/NDF : 223162.8/16

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

All: 69204.051+/-7.677 χ^2/NDF : 1170681.1/7

- sign 68985.014+/-10.905 χ^2/NDF : 564360.3/35

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

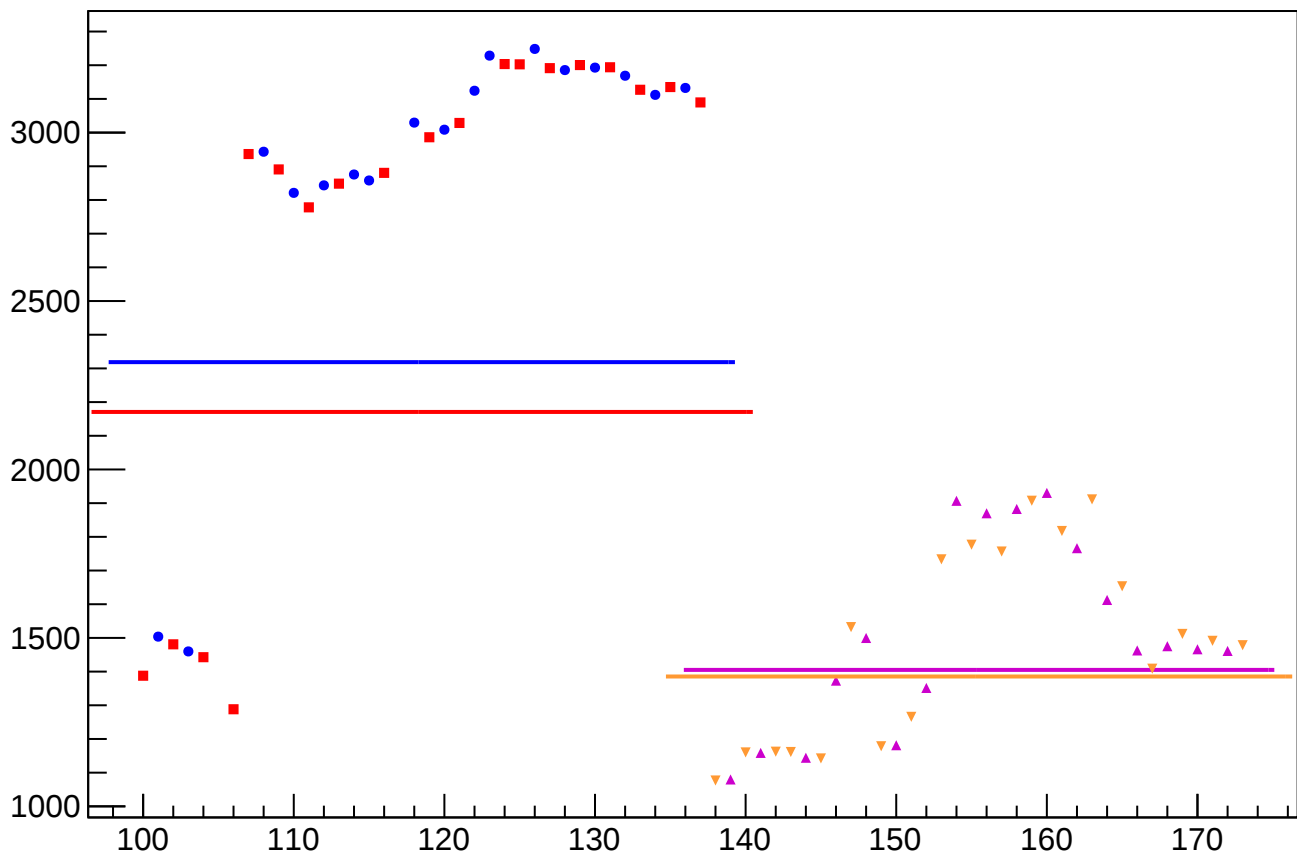
Left In: -5.024 ± 0.395 χ^2/NDF : 389.0/16

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

All: -4.482 ± 0.250 χ^2/NDF : 1045.7/71

- sign -5.721 ± 0.359 χ^2/NDF : 480.1/35

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

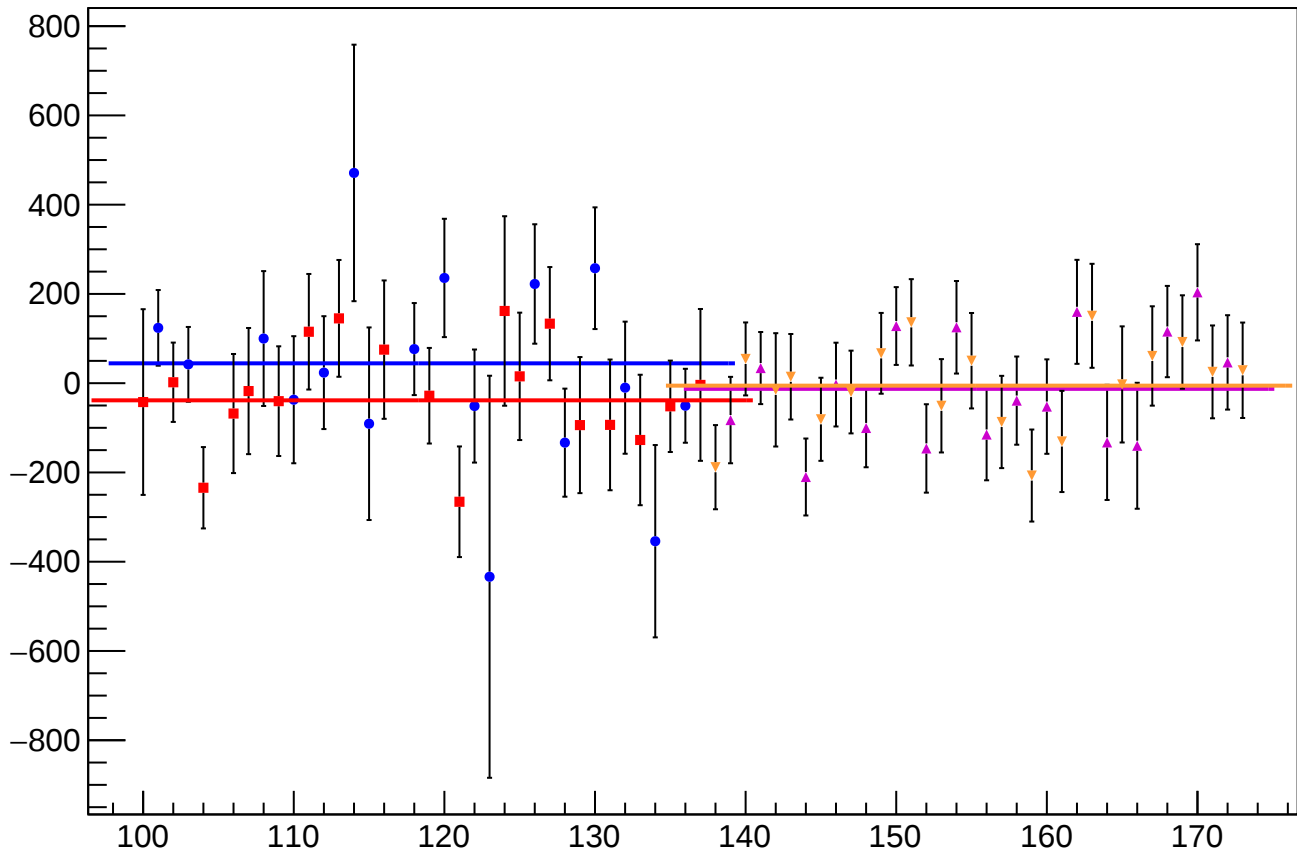
Left In: 1405.059 $\pm$ 0.279 χ^2 /NDF: 886906.0/16

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

All: 1524.583 $\pm$ 0.177 χ^2 /NDF: 8033465.5/71

- sign 1536.886 $\pm$ 0.254 χ^2 /NDF: 3934033.7/35

diff_bpm0r05X_mean vs Slug



Right In: 44.484 ± 30.432 $\chi^2/\text{NDF}: 19.1/16$

Left Out: -5.529 ± 23.422 $\chi^2/\text{NDF}: 17.1/18$

Right Out: -38.425 ± 29.435 $\chi^2/\text{NDF}: 15.7/18$

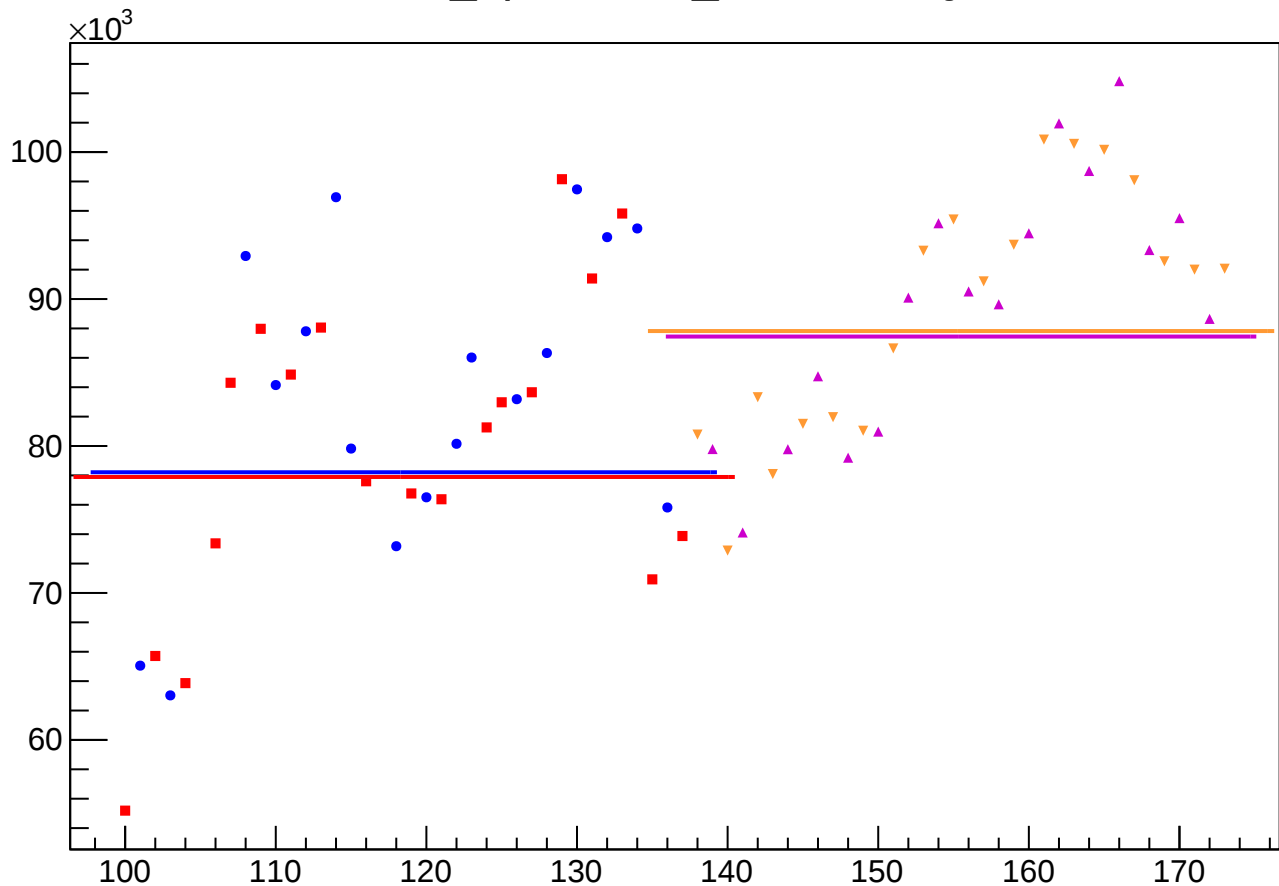
Left In: -12.737 ± 24.213 $\chi^2/\text{NDF}: 24.3/16$

+ sign 13.076 ± 18.561 $\chi^2/\text{NDF}: 37.9/35$

All: -4.880 ± 13.173 $\chi^2/\text{NDF}: 80.3/71$

- sign -23.104 ± 18.700 $\chi^2/\text{NDF}: 40.5/35$

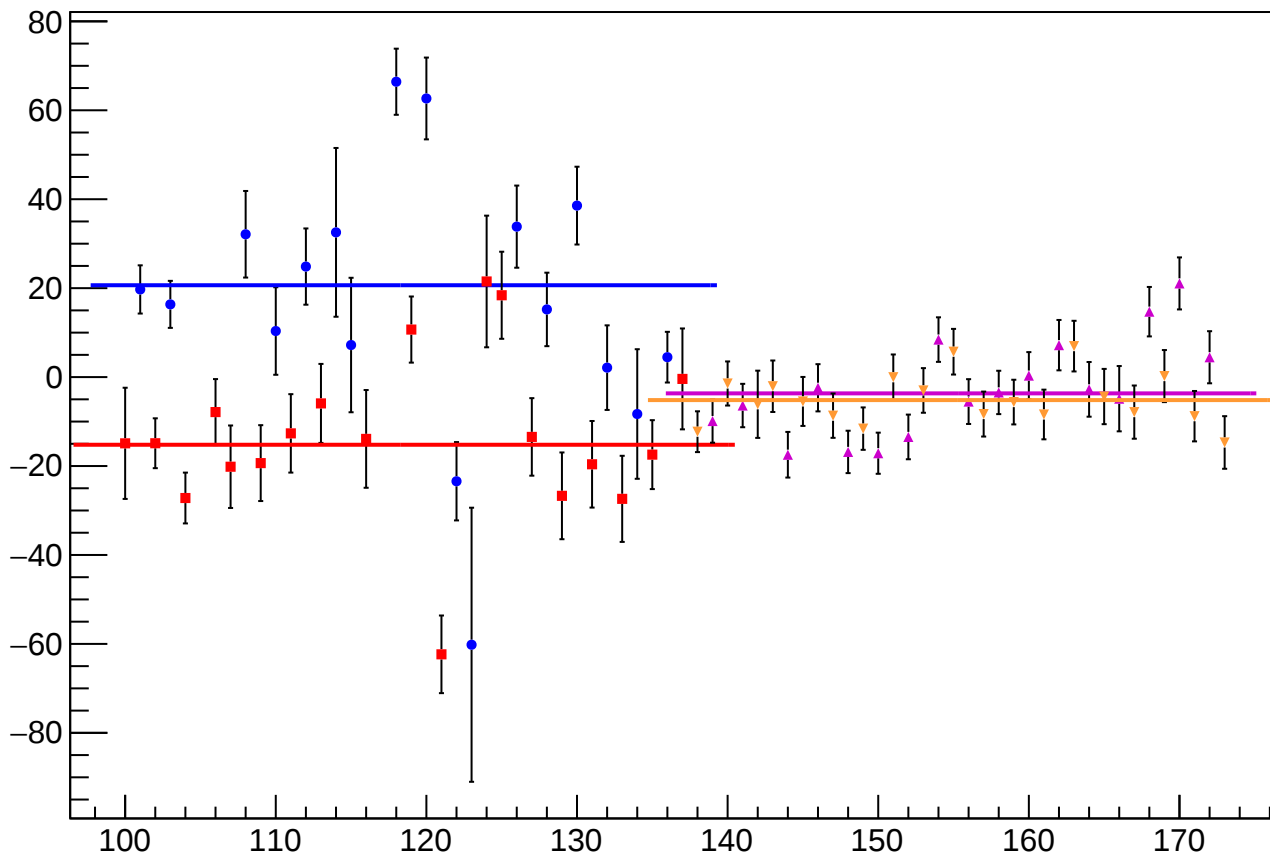
diff_bpm0r05X_rms vs Slug



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: 87447.120 $\pm$ 17.121 χ^2 /NDF: 231750.6/16

+ sign 84247.276 $\pm$ 13.125 χ^2 /NDF: 626029.9/35
 All: 83921.483 $\pm$ 9.315 χ^2 /NDF: 1231690.6/7
 - sign 83590.804 $\pm$ 13.223 χ^2 /NDF: 604419.0/35

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

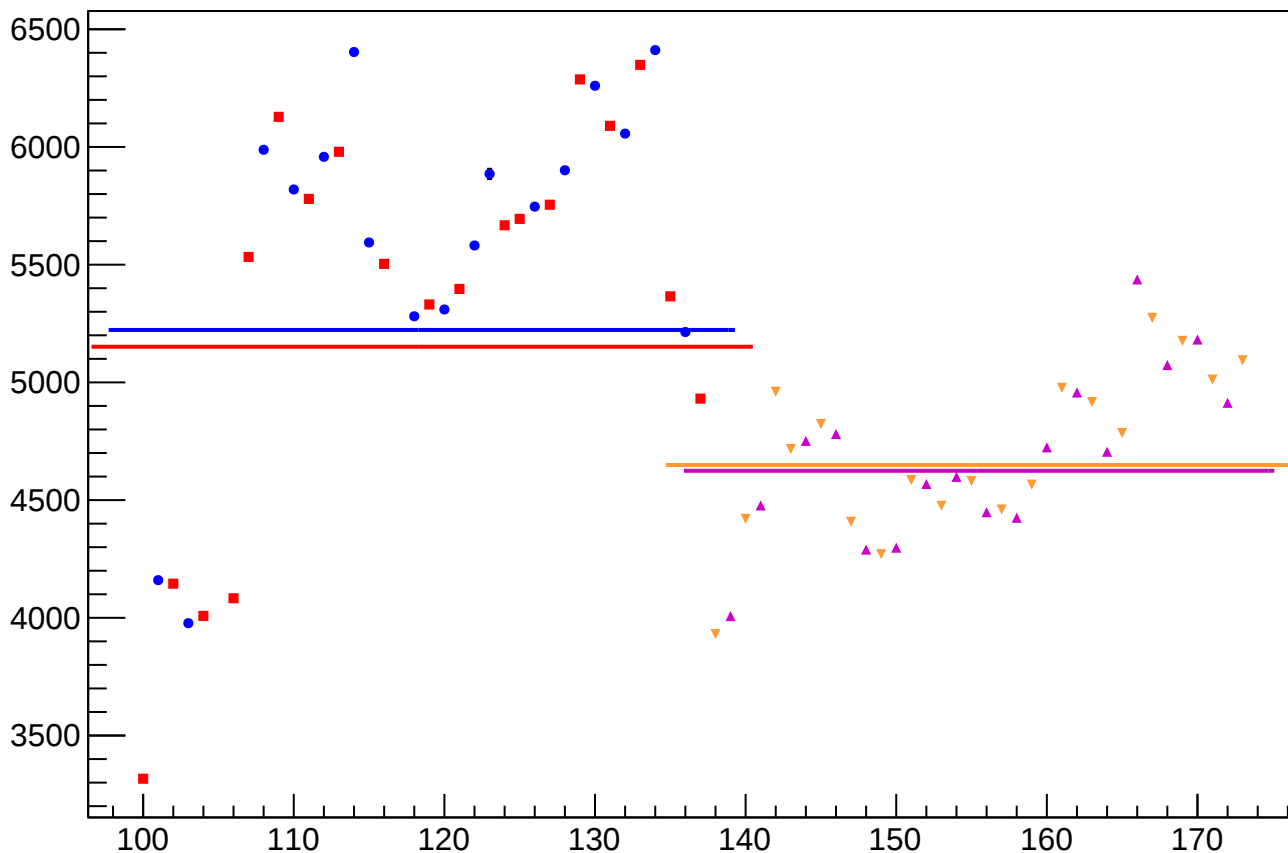
Left In: -3.660 ± 1.278 χ^2/NDF : 70.1/16

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

All: -2.610 ± 0.752 χ^2/NDF : 456.9/71

- sign -7.122 ± 1.070 χ^2/NDF : 165.9/35

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

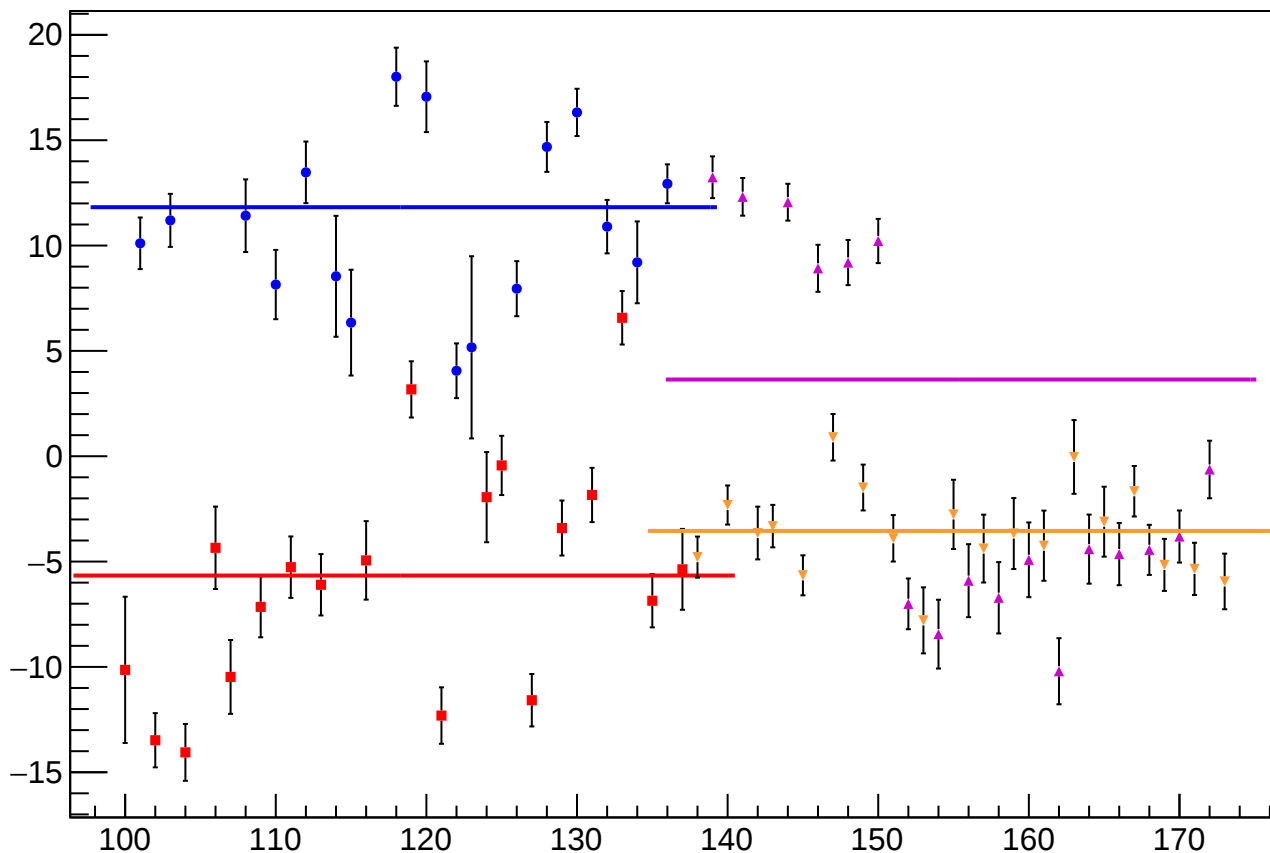
Left In: 4624.550+/-0.904 χ^2/NDF : 131323.9/16

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

All: 4793.263+/-0.532 χ^2/NDF : 1202071.0/71

- sign 4782.416+/-0.757 χ^2/NDF : 620827.5/35

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 $\chi^2/\text{NDF}: 300.1/18$

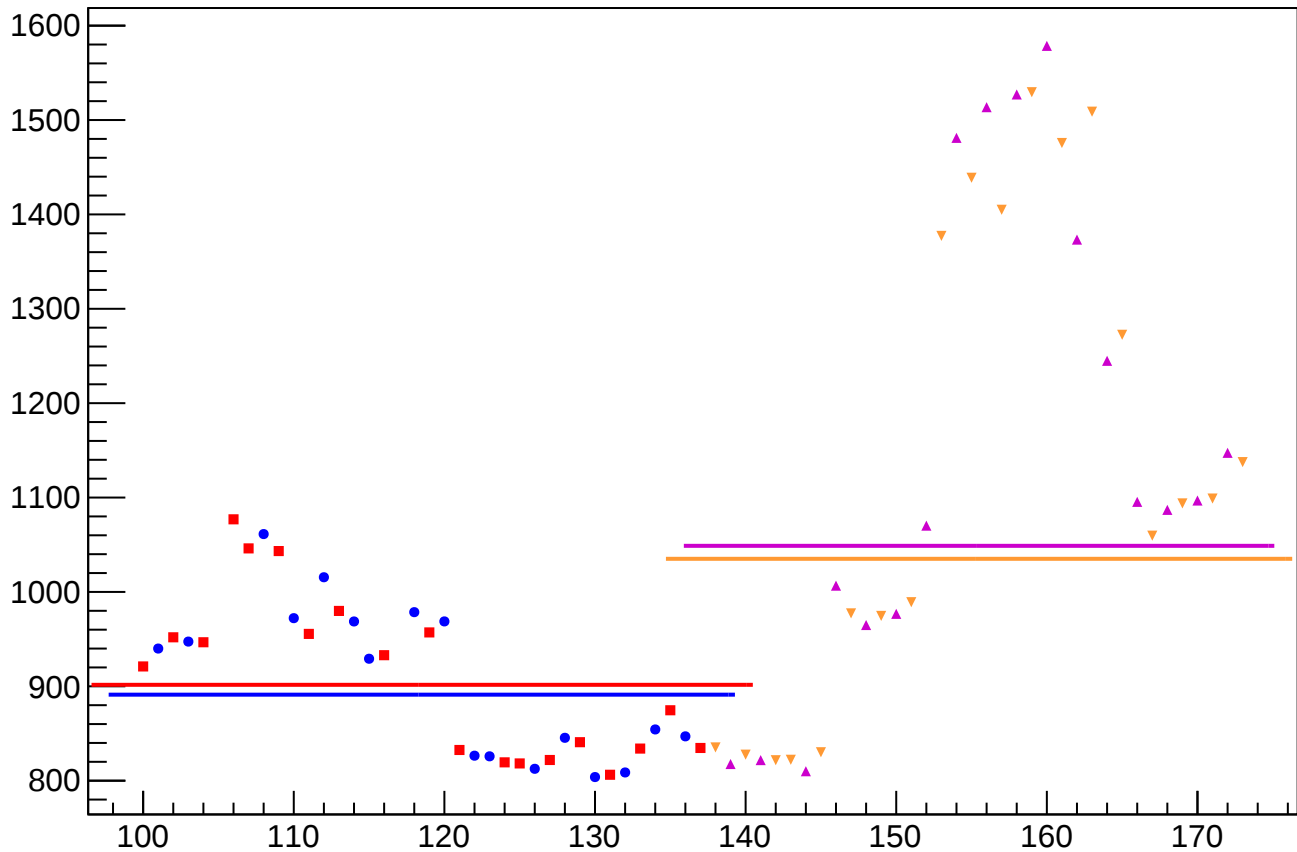
Left In: 3.641 ± 0.297 $\chi^2/\text{NDF}: 818.9/16$

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

All: 1.142 ± 0.156 $\chi^2/\text{NDF}: 2998.3/71$

- sign -0.402 ± 0.223 $\chi^2/\text{NDF}: 1546.2/35$

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 $\chi^2/\text{NDF}: 114590.8/18$

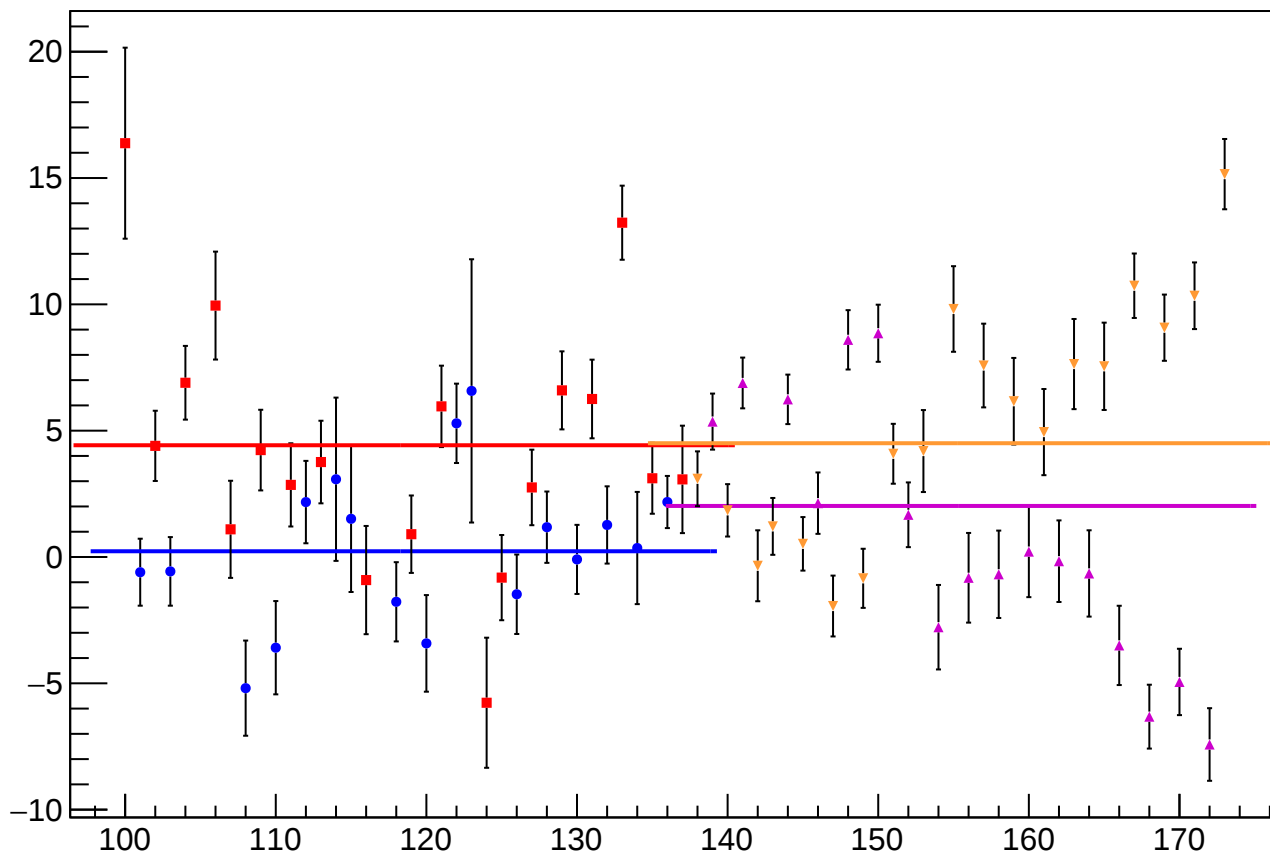
Left In: 1048.853 ± 0.210 $\chi^2/\text{NDF}: 1166026.9/16$

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

All: 981.014 ± 0.110 $\chi^2/\text{NDF}: 3090441.3/71$

- sign 984.853 ± 0.158 $\chi^2/\text{NDF}: 1494690.3/35$

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

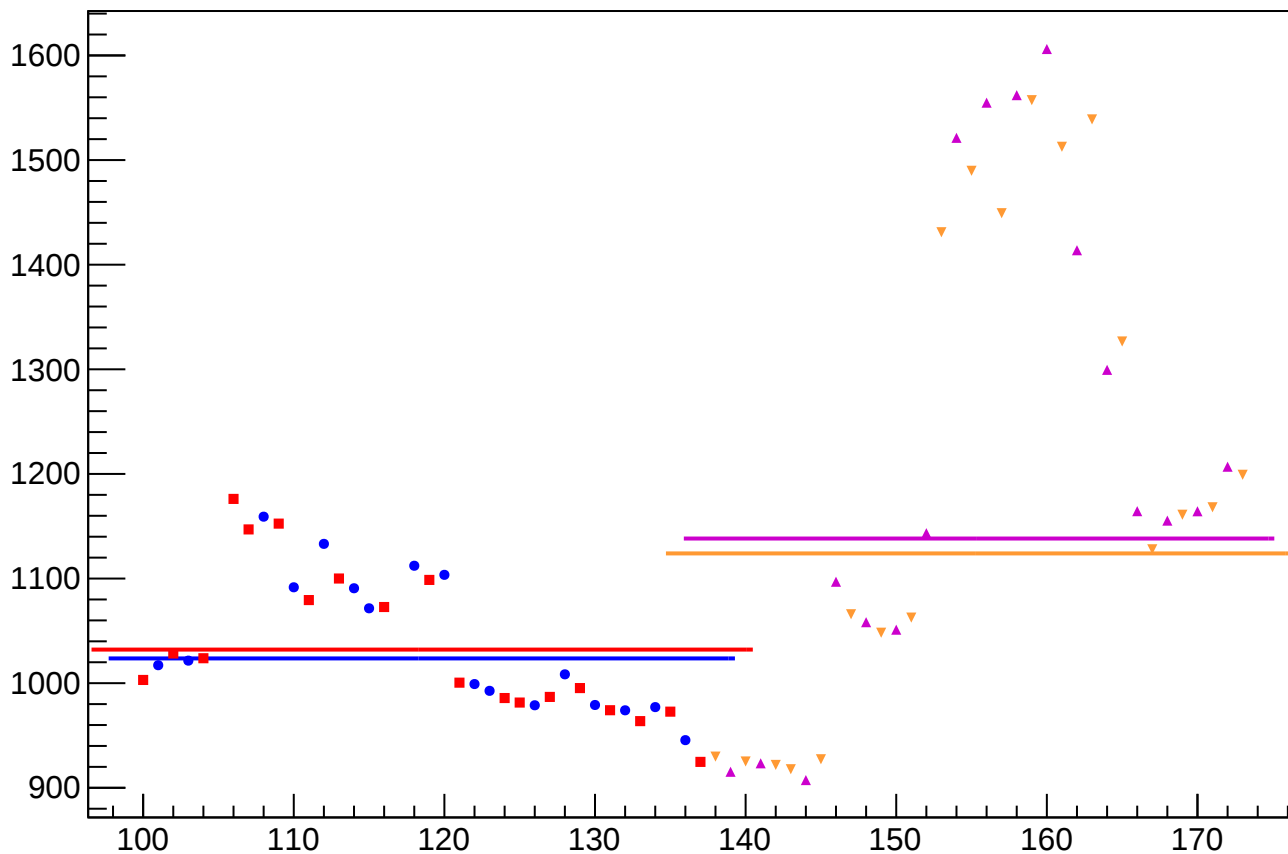
Left In: 2.021 ± 0.320 χ^2/NDF : 264.8/16

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

All: 2.953 ± 0.172 χ^2/NDF : 730.5/71

- sign 2.996 ± 0.246 χ^2/NDF : 391.1/35

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

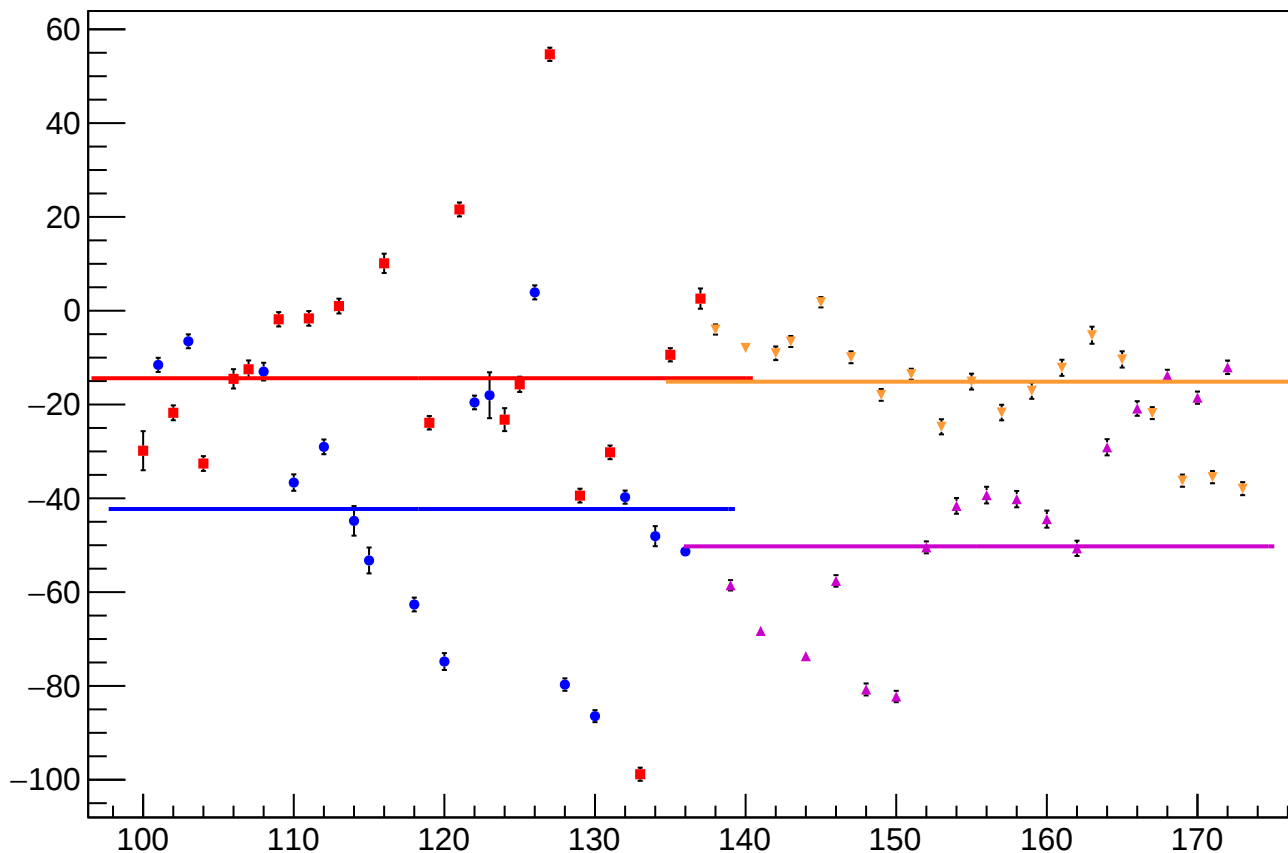
Left In: 1138.254+/-0.226 χ^2/NDF : 859124.5/16

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

All: 1090.813+/-0.122 χ^2/NDF : 2095121.9/71

- sign 1095.148+/-0.174 χ^2/NDF : 1008005.7/35

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

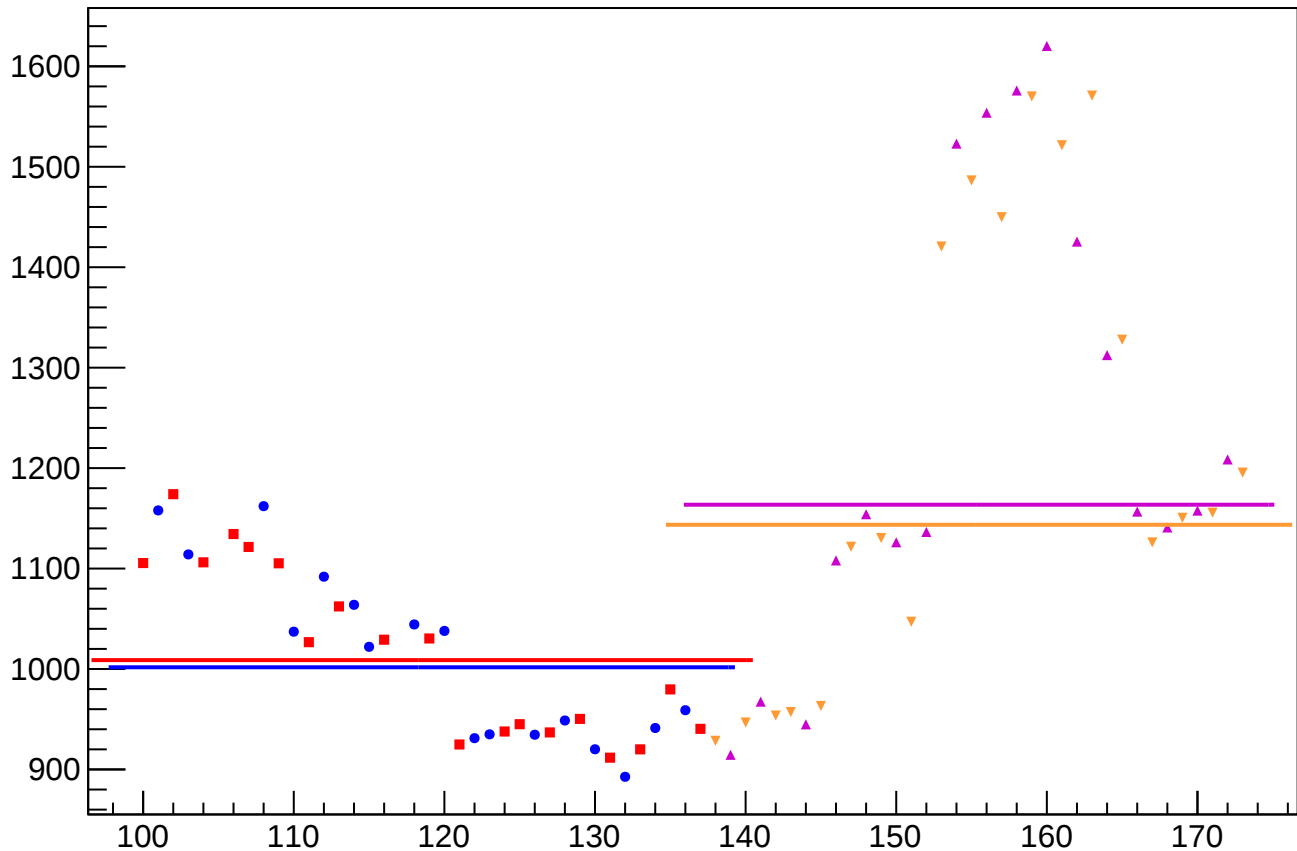
Left In: -50.239 ± 0.326 χ^2/NDF : 4935.8/16

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

All: -30.215 ± 0.173 χ^2/NDF : 27980.2/71

- sign -34.950 ± 0.247 χ^2/NDF : 17750.1/35

diff_bpm2i02X_rms vs Slug



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

Left Out: 1143.589+/-0.218 χ^2/NDF : 864563.0/18

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

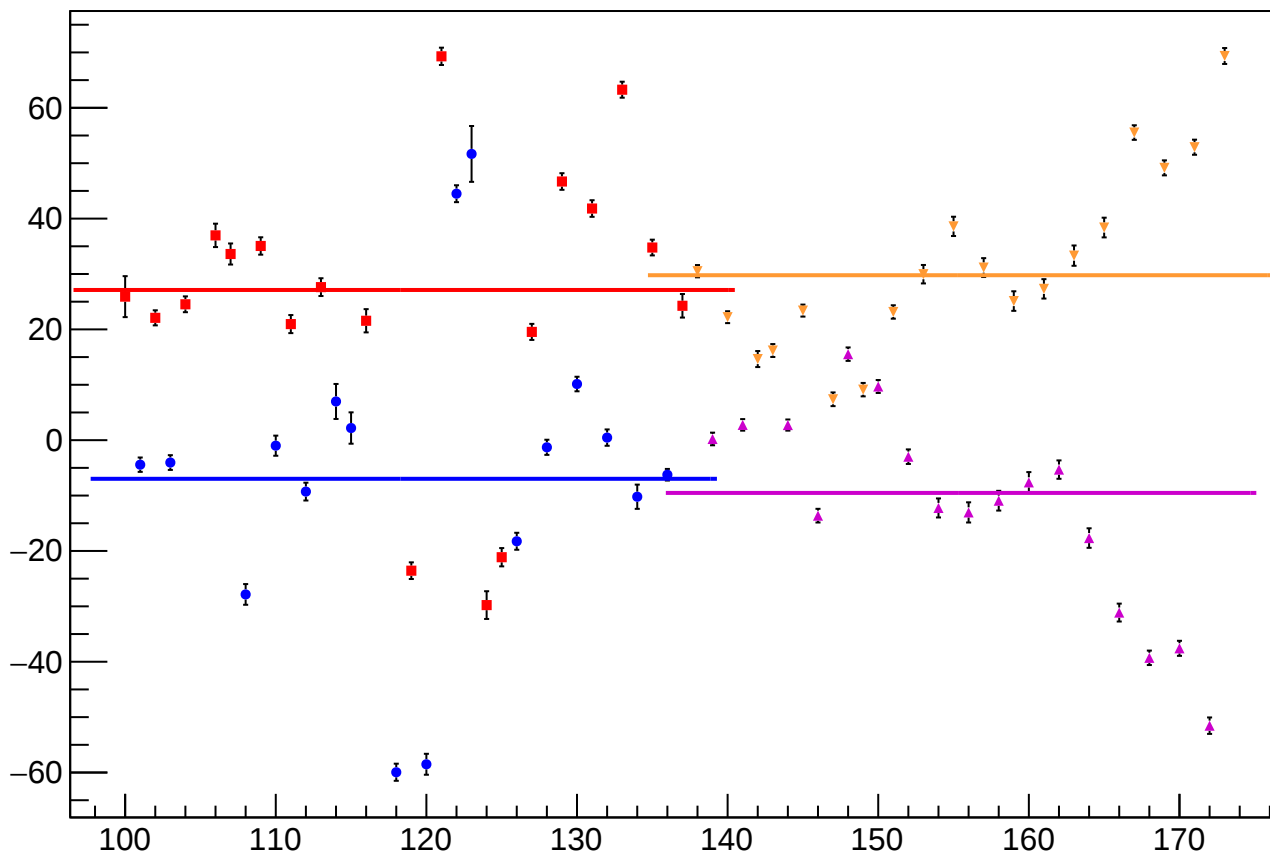
Left In: 1163.561+/-0.231 χ^2/NDF : 764817.2/16

+ sign 1088.377+/-0.171 χ^2/NDF : 1124151.9/35

All: 1092.868+/-0.122 χ^2/NDF : 2177404.6/71

- sign 1097.572+/-0.175 χ^2/NDF : 1051836.9/35

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

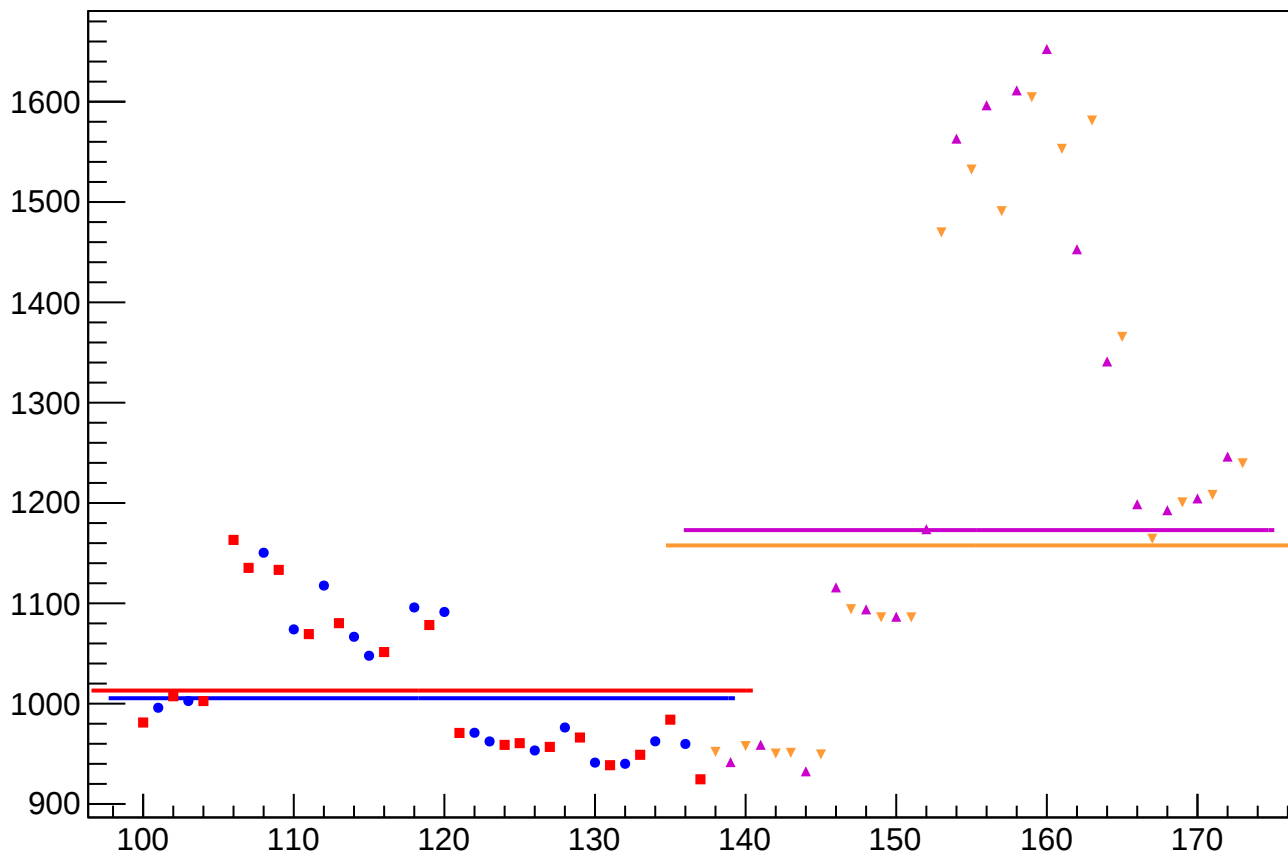
Left In: -9.523 ± 0.329 χ^2/NDF : 3054.4/16

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

All: 10.842 ± 0.174 χ^2/NDF : 25071.8/71

- sign 6.218 ± 0.249 χ^2/NDF : 12651.6/35

diff_bpm2i02Y_rms vs Slug



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

Left Out: 1157.727+/-0.221 χ^2/NDF : 949527.7/18

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

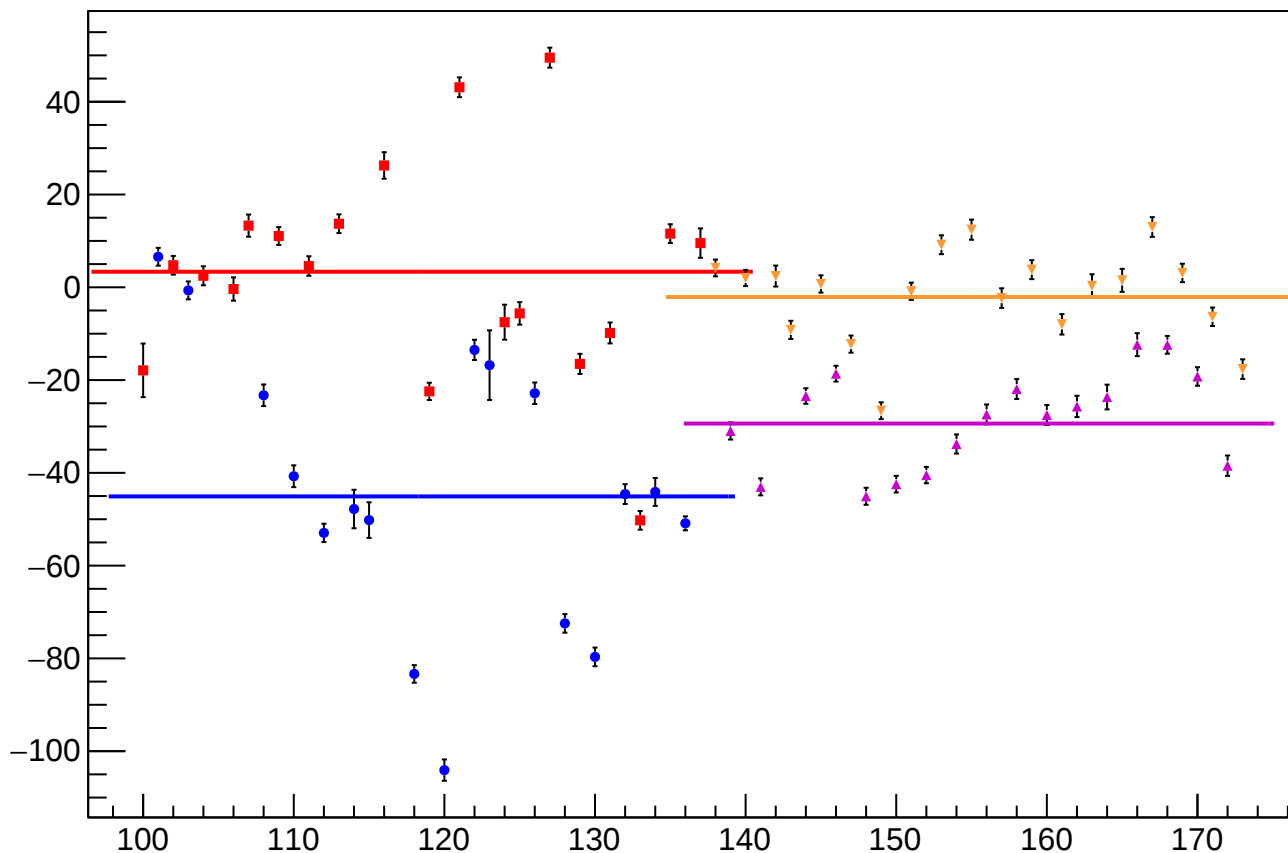
Left In: 1172.973+/-0.233 χ^2/NDF : 851778.6/16

+ sign 1097.630+/-0.172 χ^2/NDF : 1190772.6/35

All: 1100.881+/-0.123 χ^2/NDF : 2308985.3/71

- sign 1104.271+/-0.176 χ^2/NDF : 1117485.6/35

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

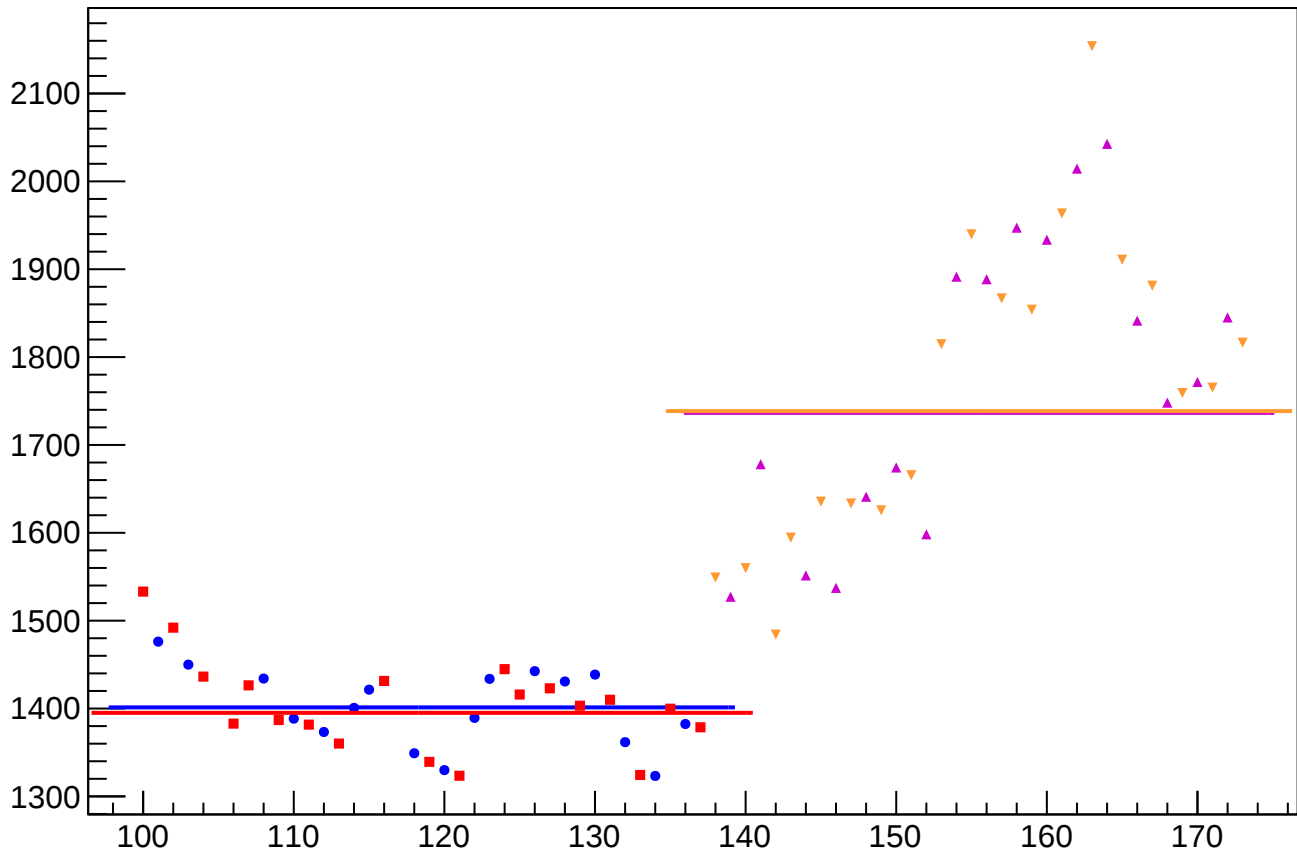
Left In: -29.371+/-0.481 χ^2/NDF : 468.2/16

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

All: -17.348+/-0.249 χ^2/NDF : 12098.4/71

- sign -14.342+/-0.354 χ^2/NDF : 4601.3/35

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

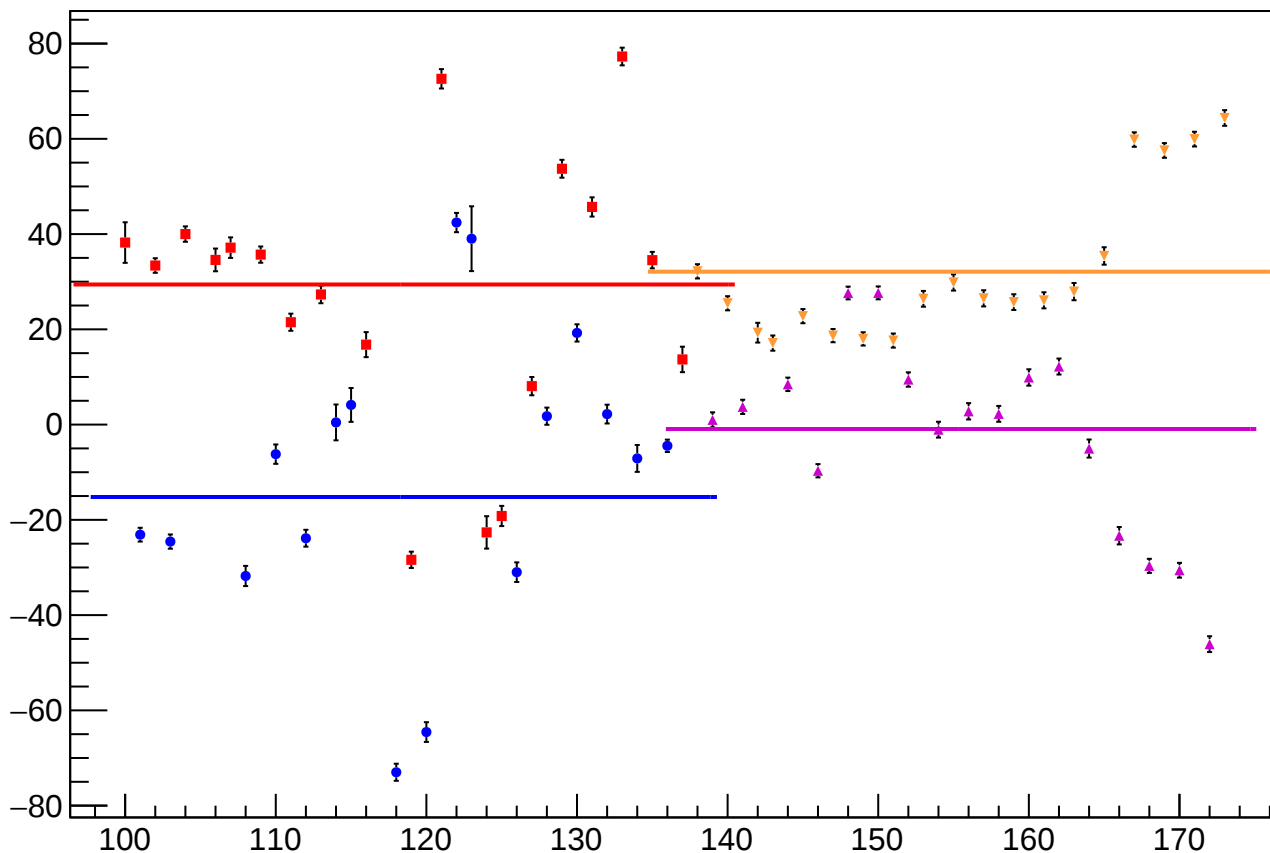
Left In: 1736.504+/-0.340 χ^2/NDF : 221334.2/16

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

All: 1587.679+/-0.176 χ^2/NDF : 1398993.6/71

- sign 1579.733+/-0.250 χ^2/NDF : 699830.2/35

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

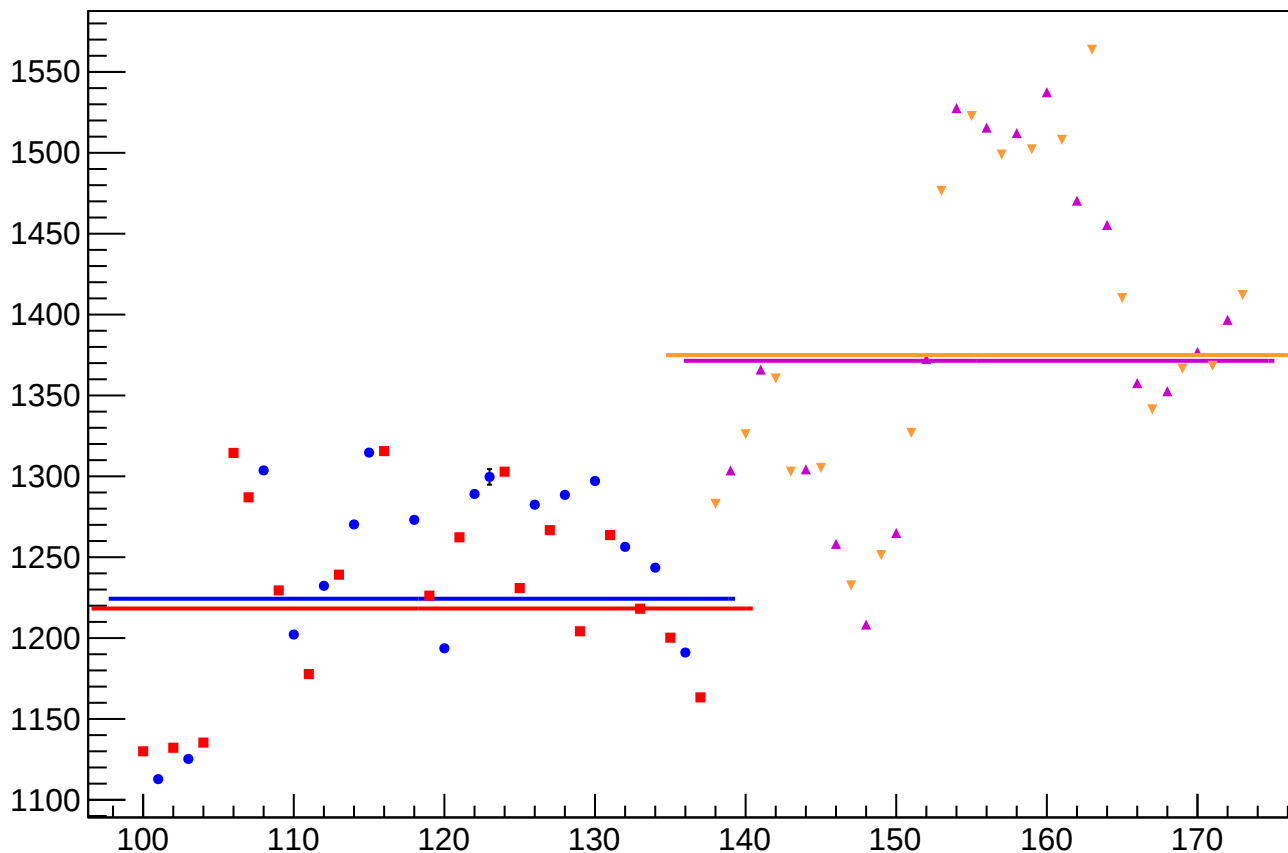
Left In: -0.929 ± 0.379 χ^2/NDF : 2780.6/16

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

All: 12.925 ± 0.205 χ^2/NDF : 20485.6/71

- sign 11.459 ± 0.291 χ^2/NDF : 8944.2/35

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

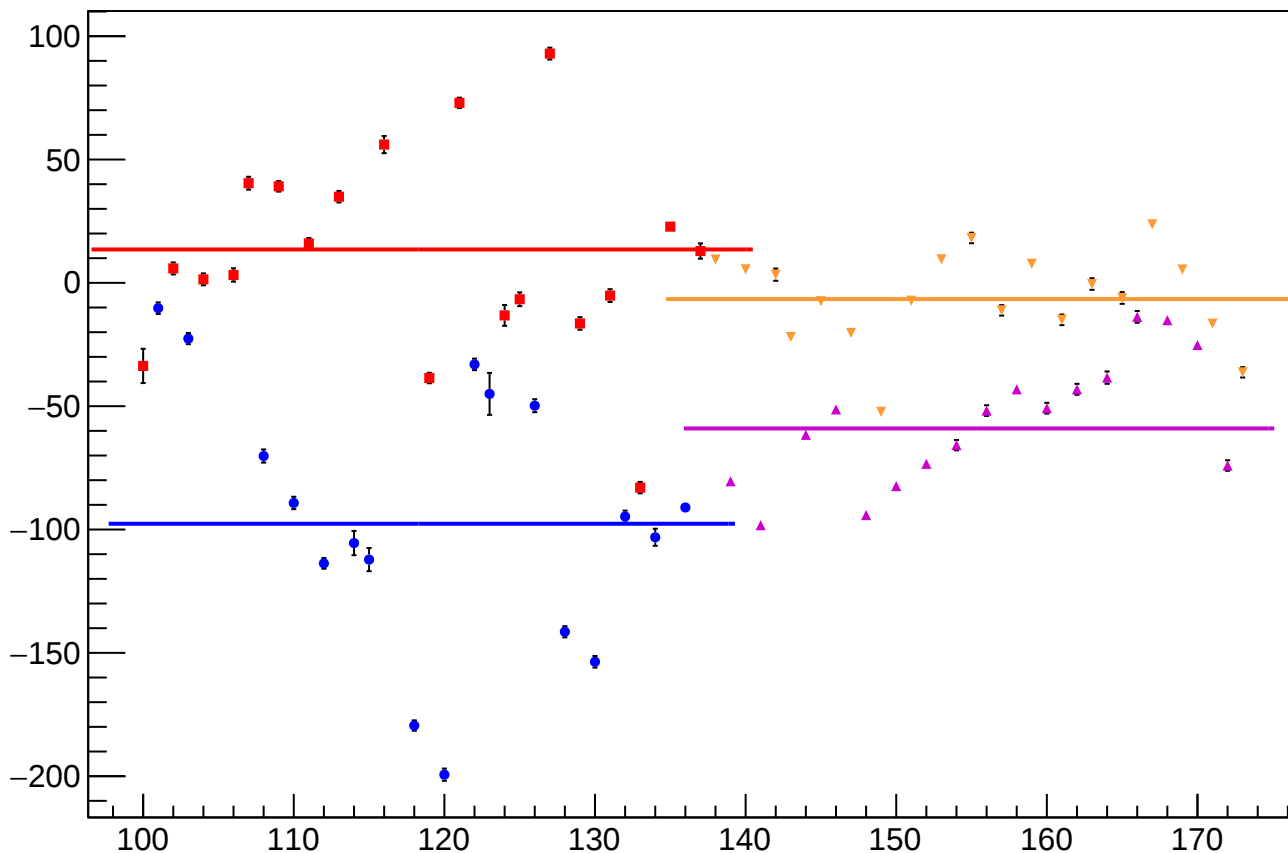
Left In: 1371.420+/-0.268 χ^2/NDF : 139697.0/16

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

All: 1313.732+/-0.145 χ^2/NDF : 606859.4/71

- sign 1308.903+/-0.206 χ^2/NDF : 300650.4/35

diff_bpm0i02aX_mean vs Slug



Right In: -97.657 $\pm$ 0.601 χ^2 /NDF: 7936.6/16

Left Out: -6.567 $\pm$ 0.461 χ^2 /NDF:1643.5/18

Right Out: 13.538 $\pm$ 0.579 χ^2 /NDF: 5128.2/18

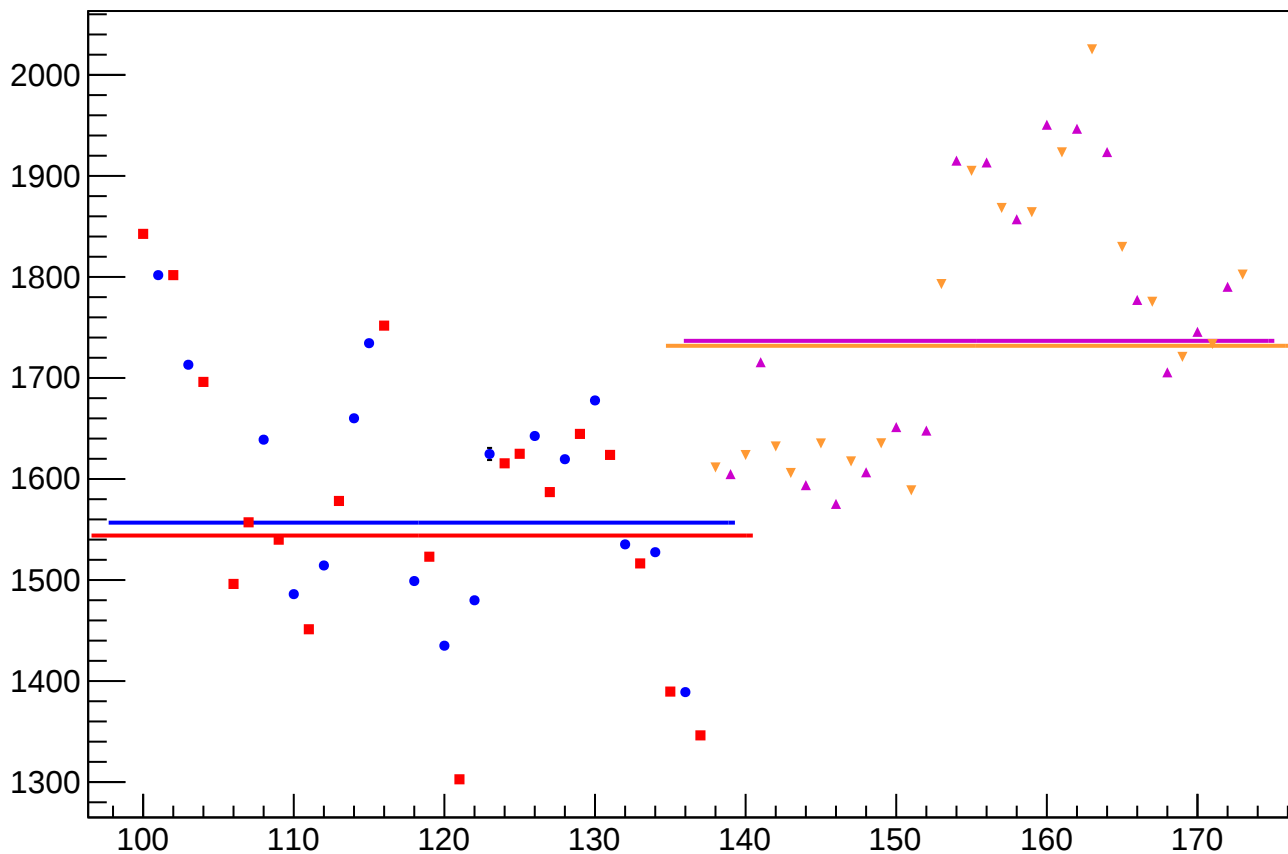
Left In: -59.023 $\pm$ 0.480 χ^2 /NDF:2674.7/16

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

All: -34.934 $\pm$ 0.260 χ^2 /NDF: 41572.7/71

- sign -29.492 $\pm$ 0.370 χ^2 /NDF: 17104.5/35

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

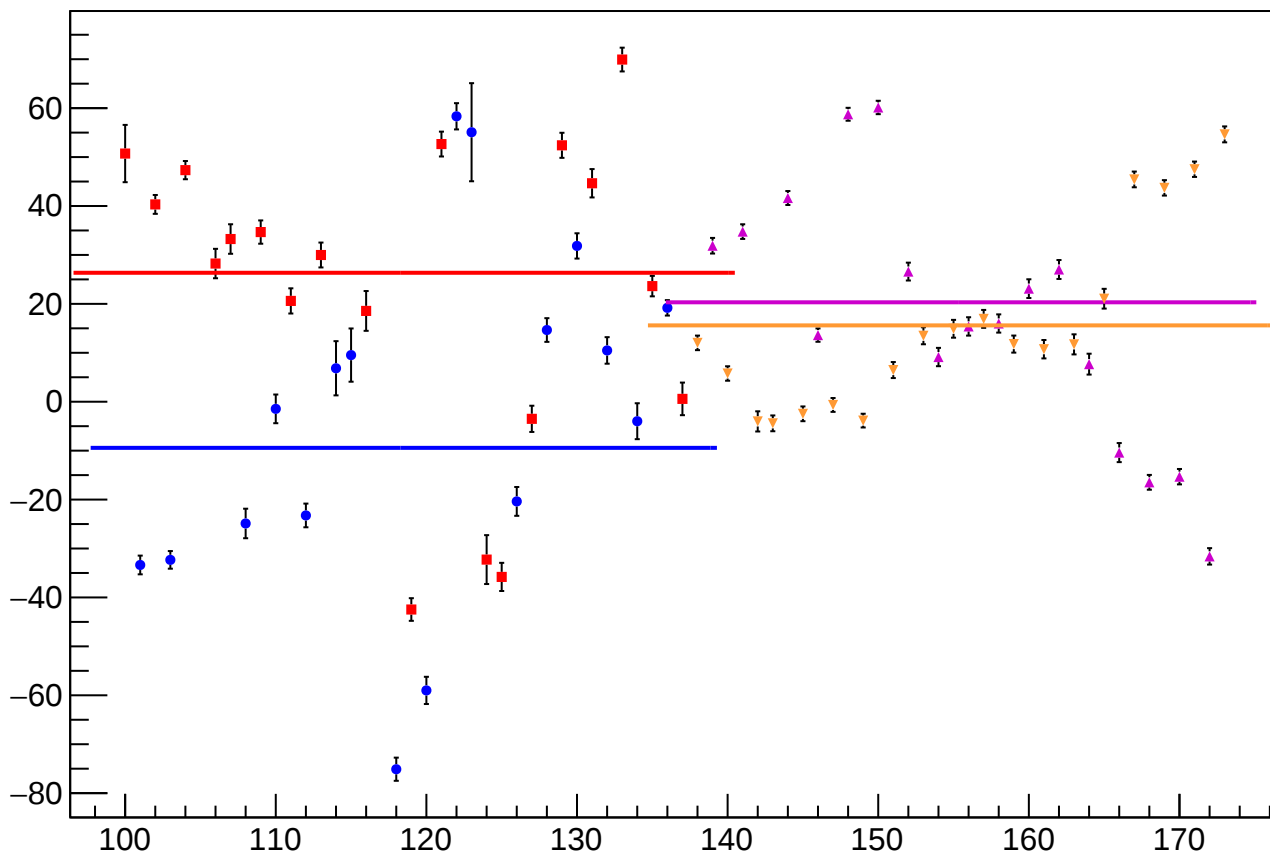
Left In: 1736.756 $\pm$ 0.339 χ^2 /NDF:145708.9/16

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

All: 1662.755 $\pm$ 0.184 χ^2 /NDF: 710207.2/71

- sign 1658.321 $\pm$ 0.261 χ^2 /NDF: 377443.1/35

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

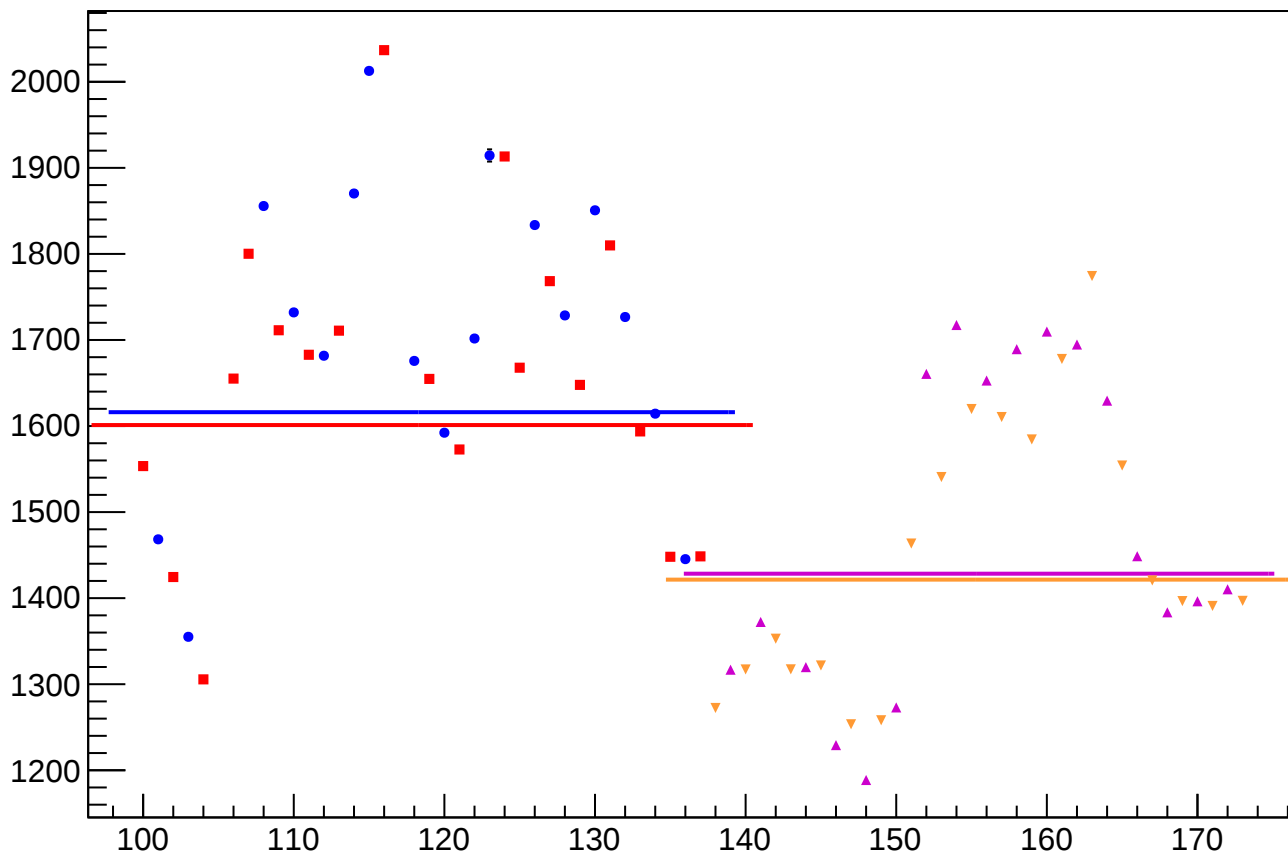
Left In: 20.318 ± 0.397 χ^2/NDF : 4499.4/16

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

All: 15.373 ± 0.232 χ^2/NDF : 14417.1/71

- sign 22.144 ± 0.332 χ^2/NDF : 7041.4/35

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

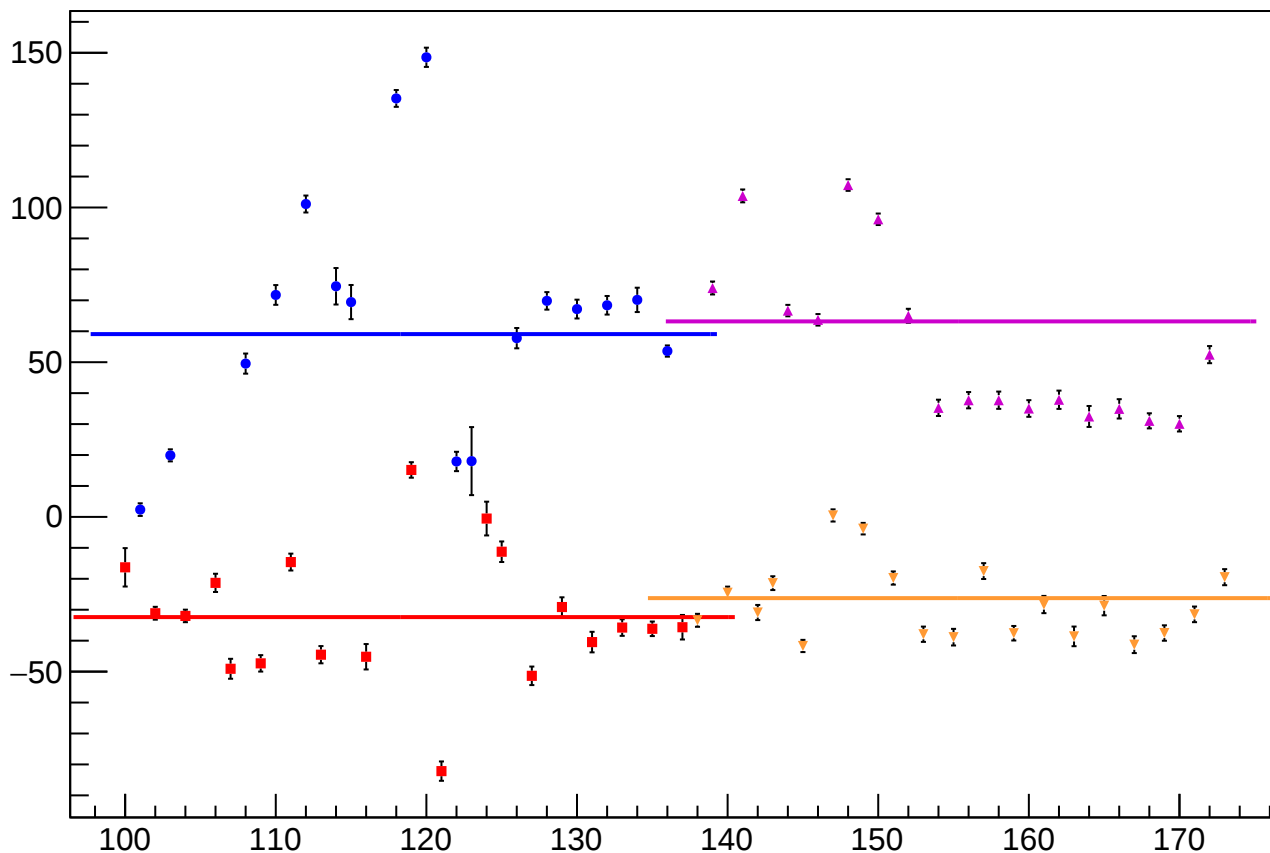
Left In: 1428.418 $\pm$ 0.281 χ^2 /NDF: 408148.4/16

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

All: 1477.123 $\pm$ 0.164 χ^2 /NDF: 1252126.8/71

- sign 1480.658 $\pm$ 0.234 χ^2 /NDF: 676332.9/35

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

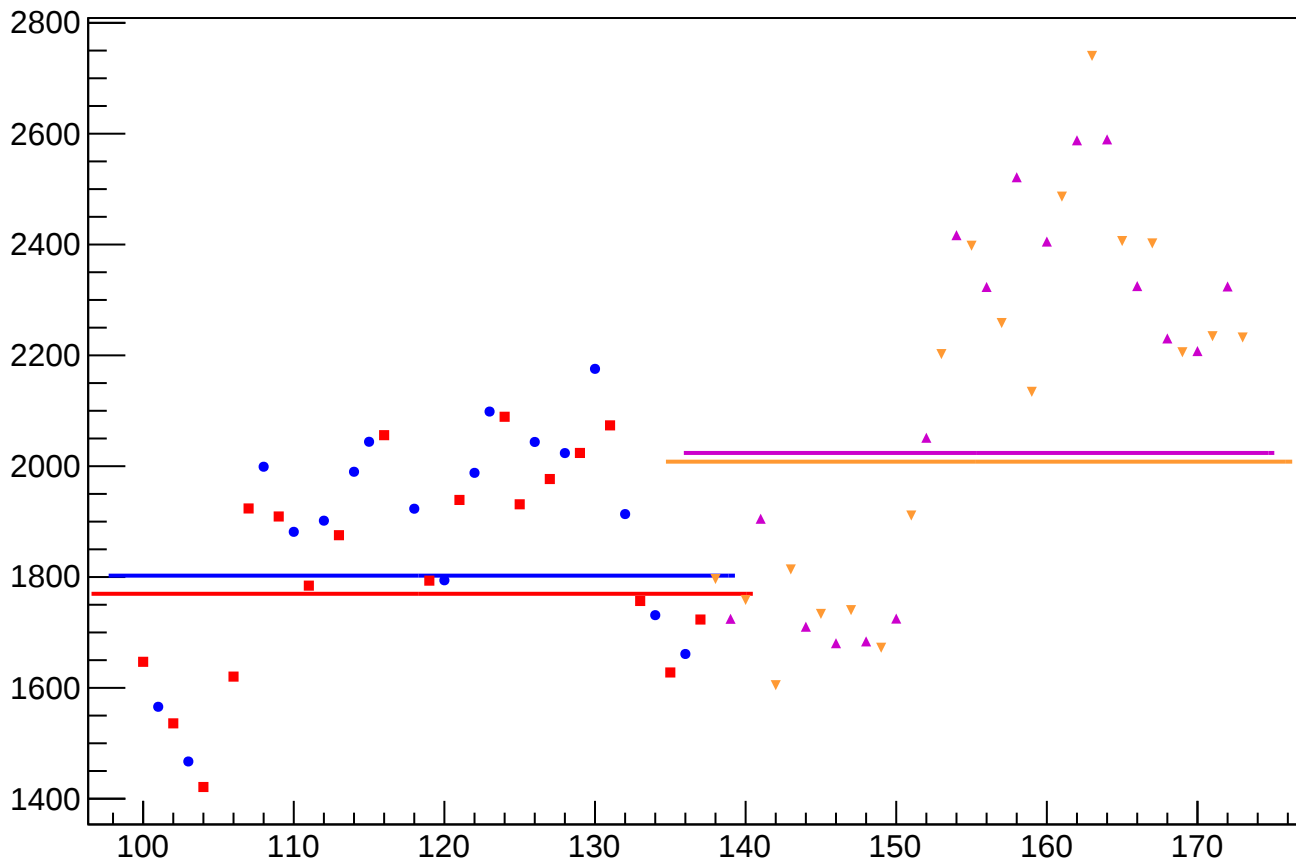
Left In: 63.186 ± 0.566 χ^2/NDF : 2277.9/16

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

All: 14.289 ± 0.303 χ^2/NDF : 29171.7/71

- sign 23.182 ± 0.431 χ^2/NDF : 15123.9/35

diff_bpm0i05X_rms vs Slug



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

Left Out: 2008.201 $\pm$ 0.381 χ^2 /NDF:628610.1/18

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

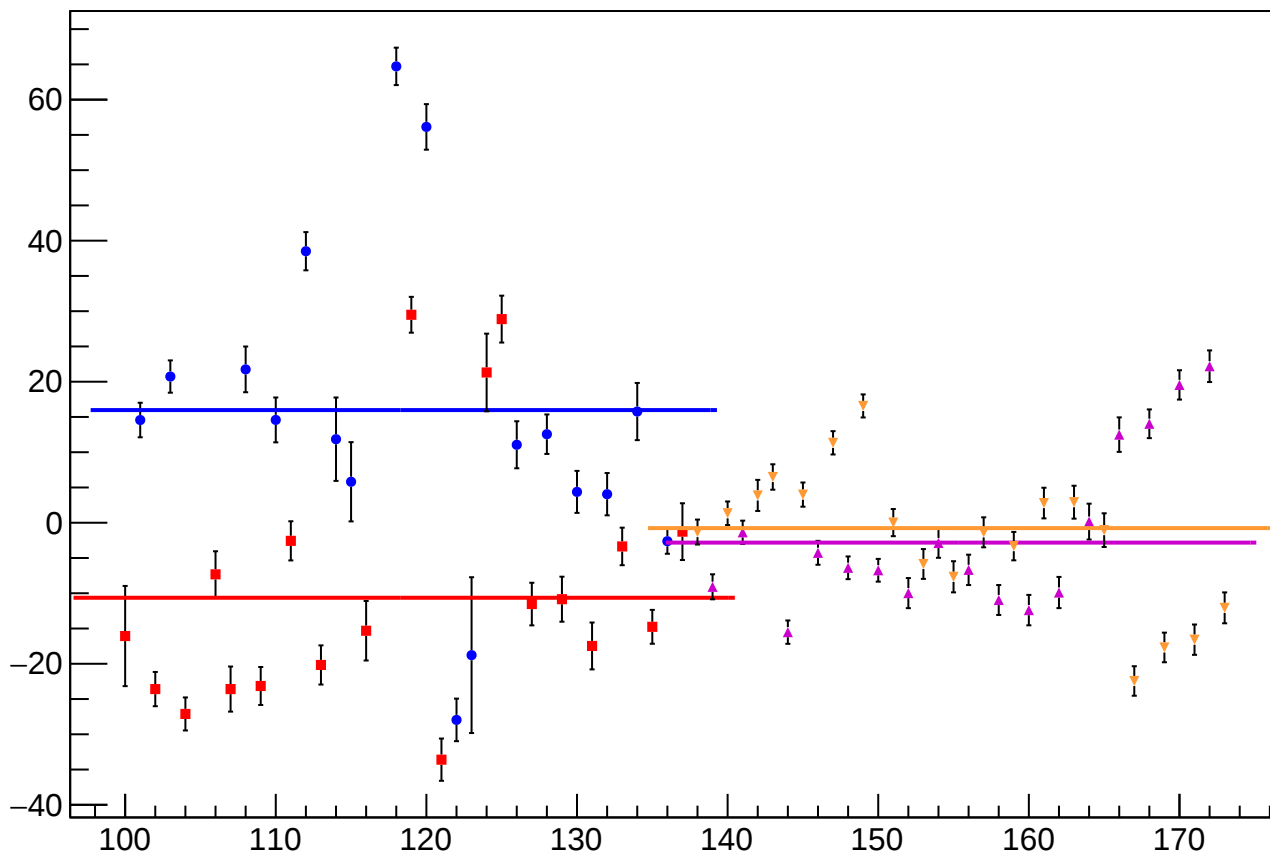
Left In: 2023.913 $\pm$ 0.400 χ^2 /NDF:660588.6/16

+ sign 1931.514 $\pm$ 0.302 χ^2 /NDF: 921133.2/35

All: 1924.590 $\pm$ 0.215 χ^2 /NDF: 1929752.3/71

- sign 1917.532 $\pm$ 0.305 χ^2 /NDF: 1007557.6/35

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

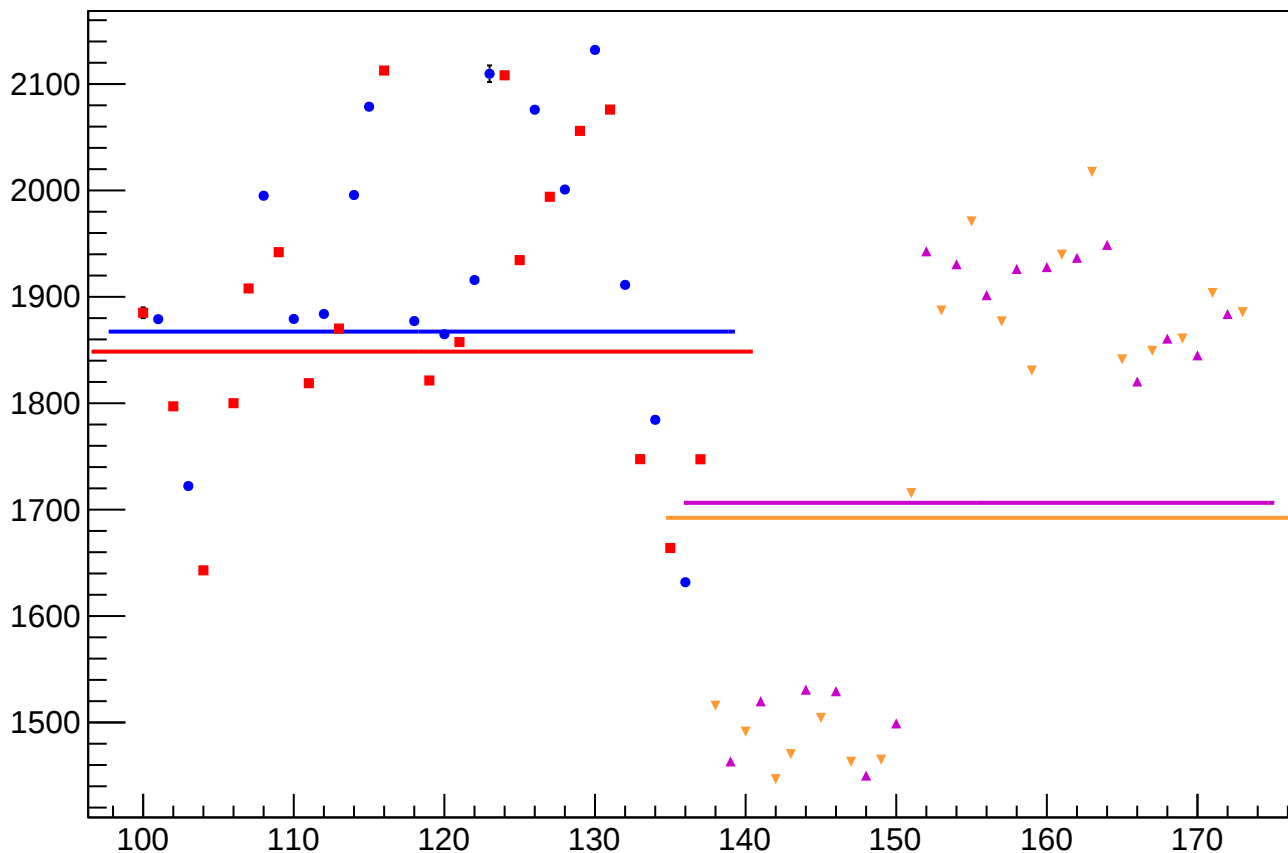
Left In: -2.817 ± 0.474 χ^2/NDF : 491.5/16

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

All: -0.580 ± 0.274 χ^2/NDF : 3302.5/71

- sign -5.305 ± 0.391 χ^2/NDF : 1220.3/35

diff_bpm0i05Y_rms vs Slug



Right In: 1867.343+/-0.510 χ^2/NDF : 80926.4/16

Left Out: 1692.314+/-0.320 χ^2/NDF : 410312.3/18

Right Out: 1848.532+/-0.490 χ^2/NDF : 72527.3/18

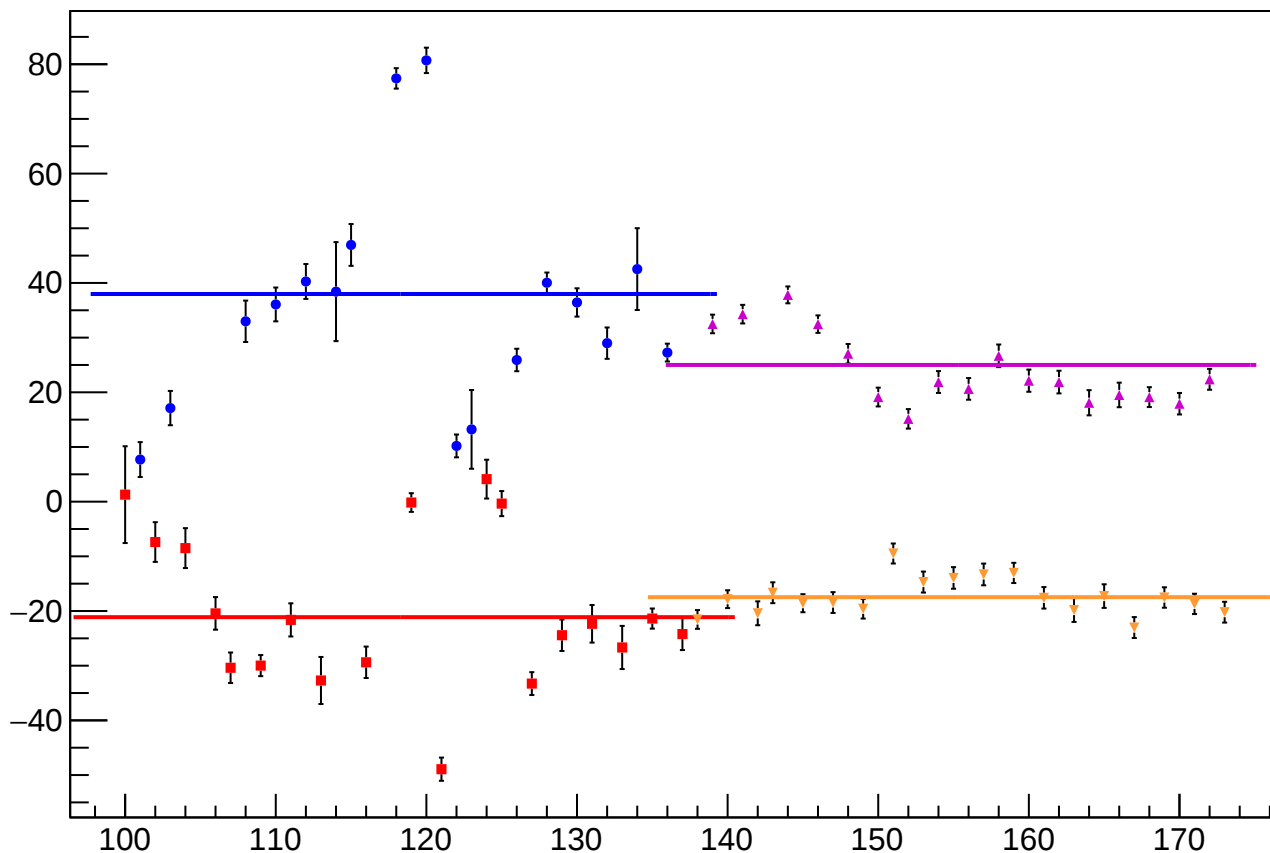
Left In: 1706.414+/-0.335 χ^2/NDF : 374256.0/16

+ sign 1741.690+/-0.271 χ^2/NDF : 575706.5/35

All: 1746.554+/-0.194 χ^2/NDF : 1080449.6/71

- sign 1751.615+/-0.276 χ^2/NDF : 504085.9/35

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

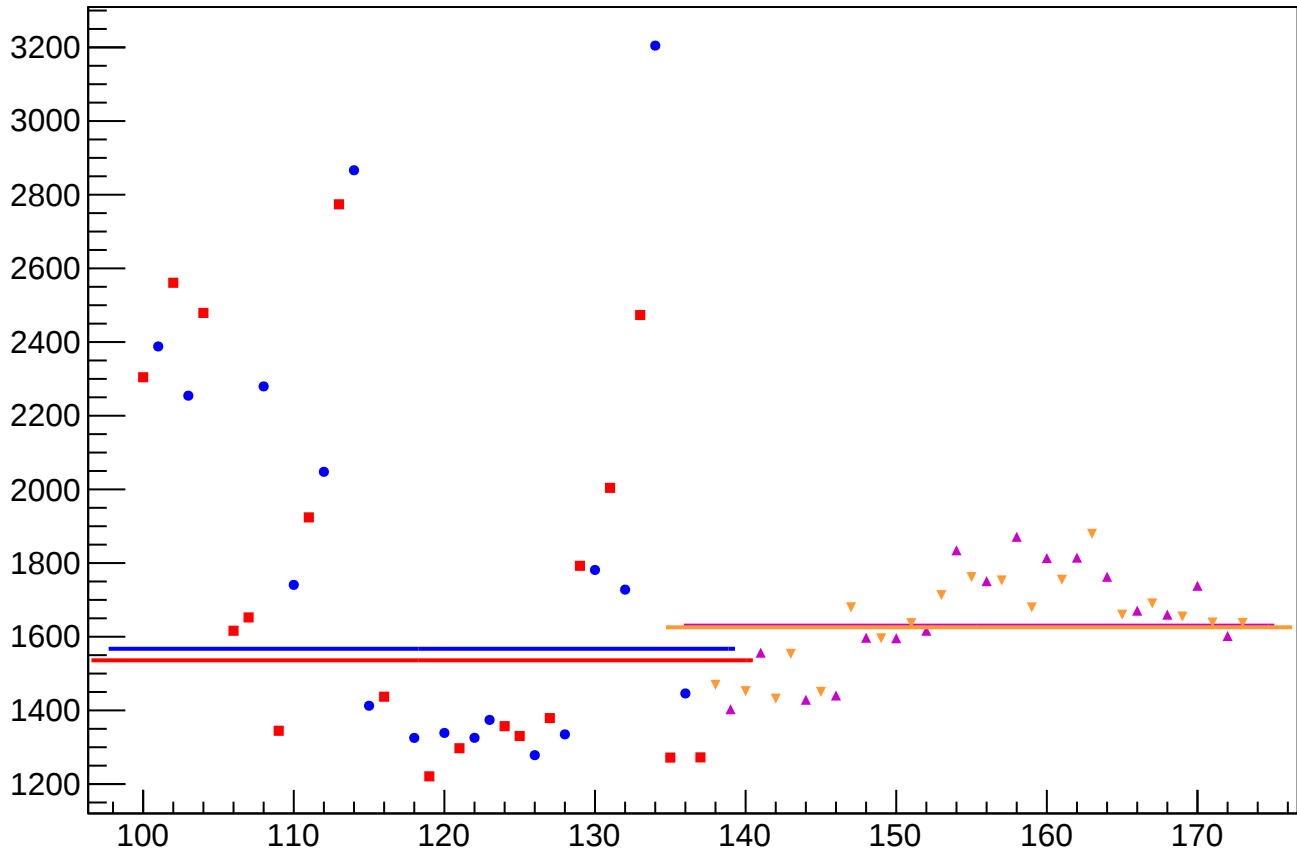
Left In: 25.003 ± 0.452 χ^2/NDF : 236.1/16

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

All: 4.273 ± 0.255 χ^2/NDF : 11240.8/71

- sign 8.619 ± 0.363 χ^2/NDF : 4517.0/35

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

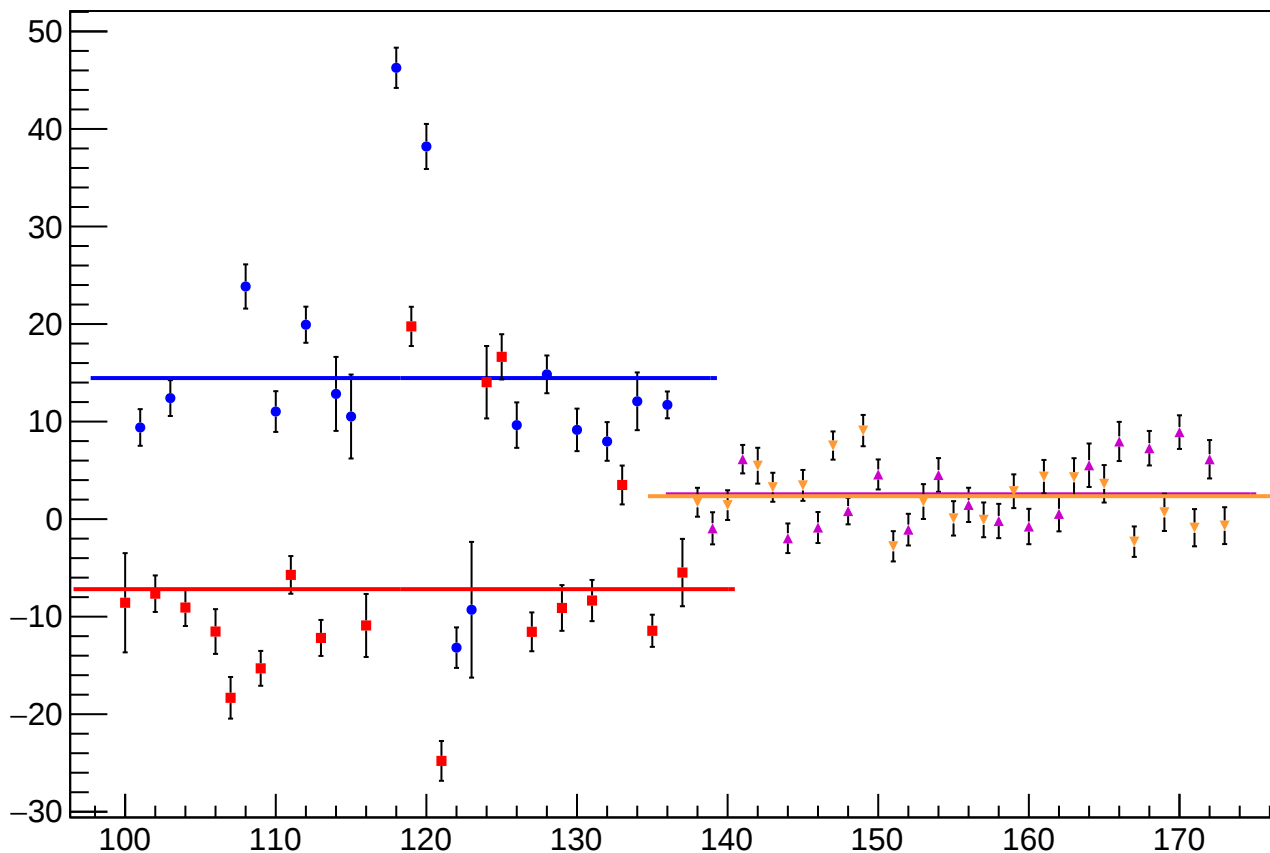
Left In: 1630.066 $\pm$ 0.319 χ^2 /NDF:204964.5/16

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

All: 1601.996 $\pm$ 0.180 χ^2 /NDF: 1949097.6/71

- sign 1596.644 $\pm$ 0.256 χ^2 /NDF: 1117918.4/35

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

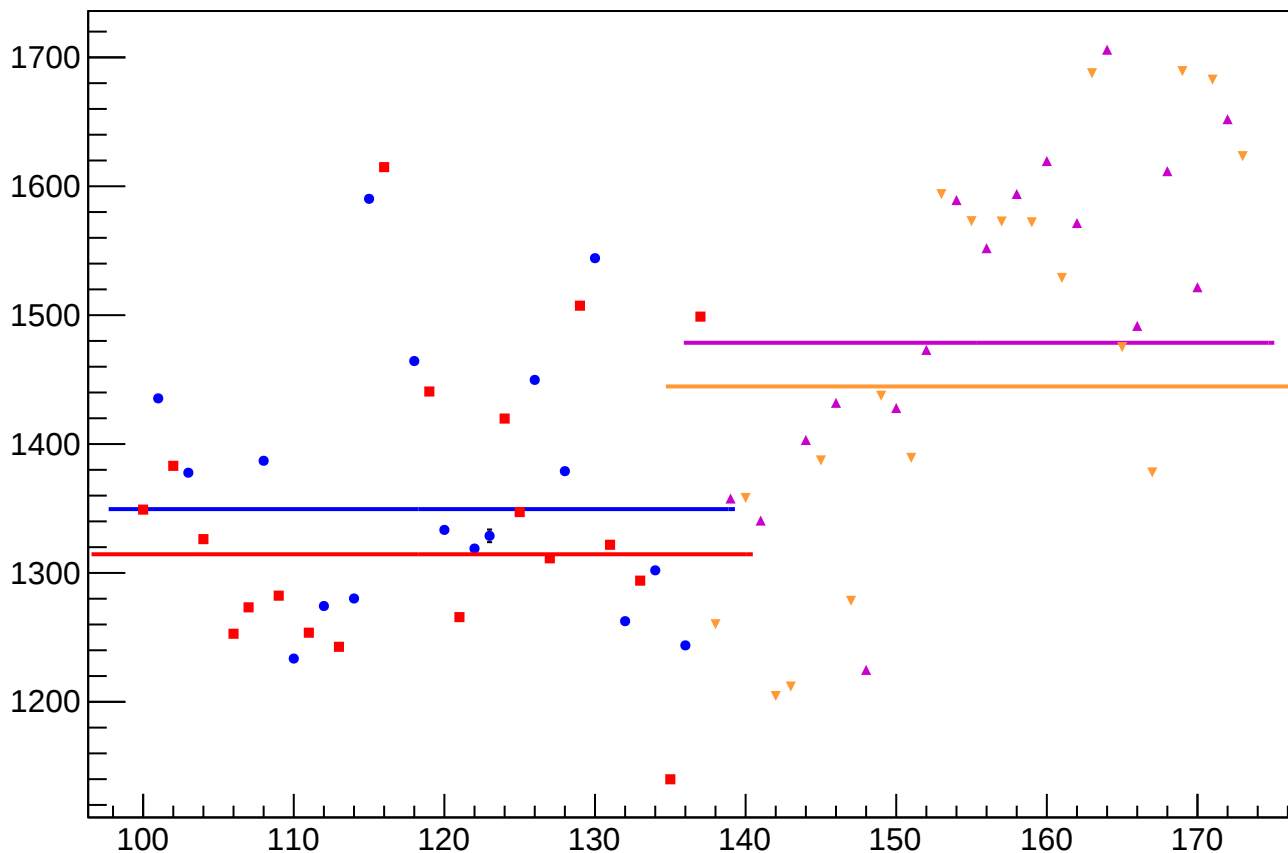
Left In: 2.541 ± 0.409 χ^2/NDF : 74.2/16

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

All: 2.663 ± 0.221 χ^2/NDF : 2138.8/71

- sign -1.412 ± 0.315 χ^2/NDF : 799.3/35

diff_bpm0i07Y_rms vs Slug



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

Left Out: 1444.692 $\pm$ 0.273 χ^2 /NDF: 319730.8/18

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

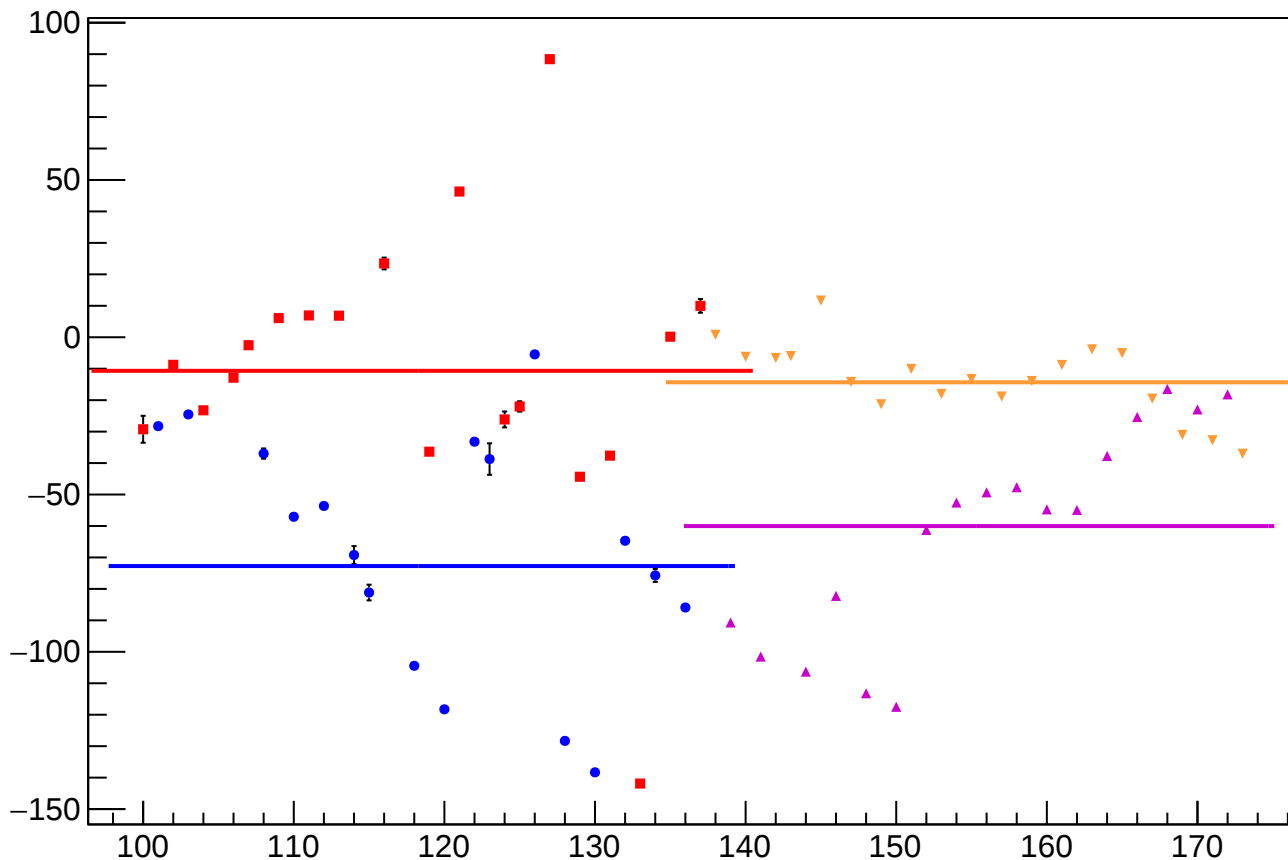
Left In: 1478.572 $\pm$ 0.289 χ^2 /NDF: 193736.2/16

+ sign 1411.151 $\pm$ 0.220 χ^2 /NDF: 427250.7/35

All: 1411.491 $\pm$ 0.156 χ^2 /NDF: 832671.4/71

- sign 1411.841 $\pm$ 0.223 χ^2 /NDF: 405415.9/35

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 $\chi^2/\text{NDF}: 18171.0/18$

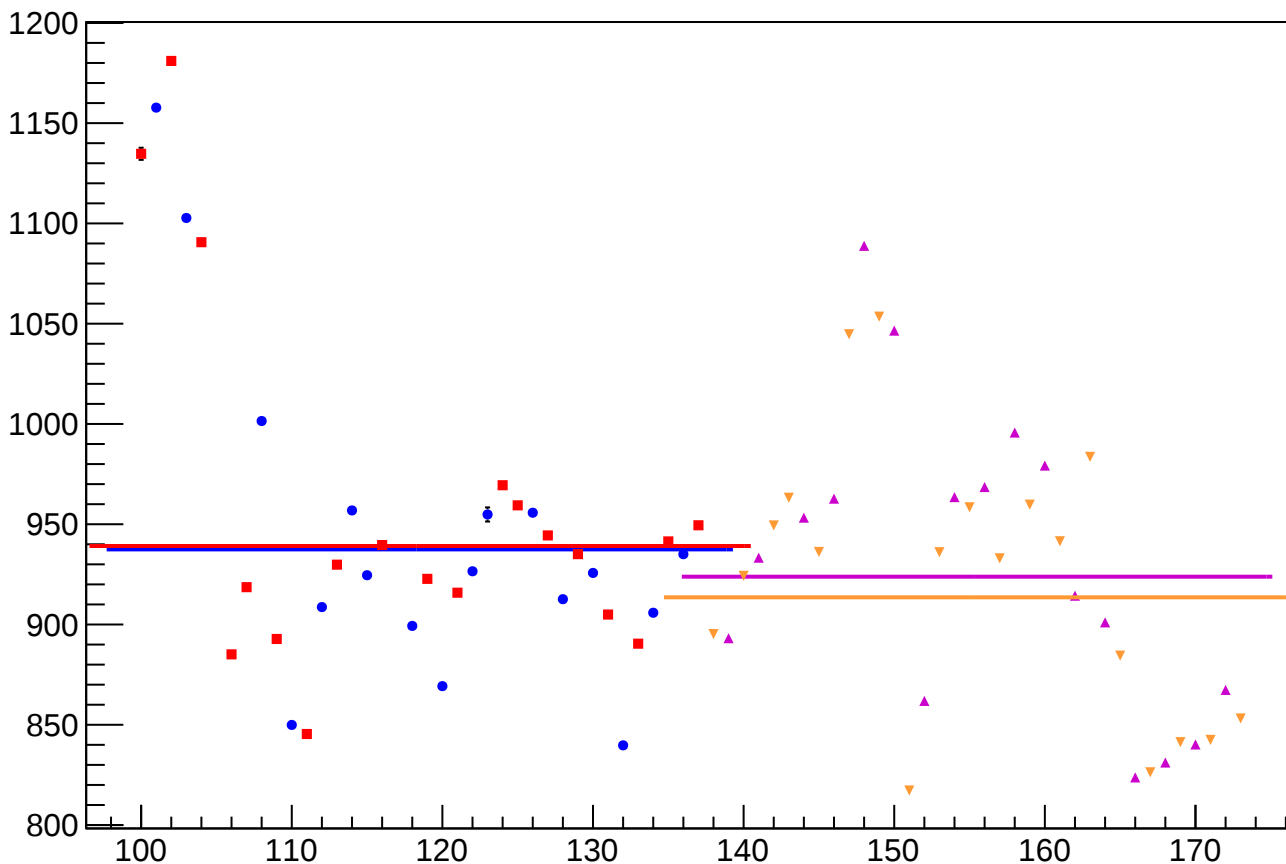
Left In: -60.031 ± 0.255 $\chi^2/\text{NDF}: 16594.9/16$

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

All: -37.615 ± 0.144 $\chi^2/\text{NDF}: 81038.1/71$

- sign -43.031 ± 0.207 $\chi^2/\text{NDF}: 47633.7/35$

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

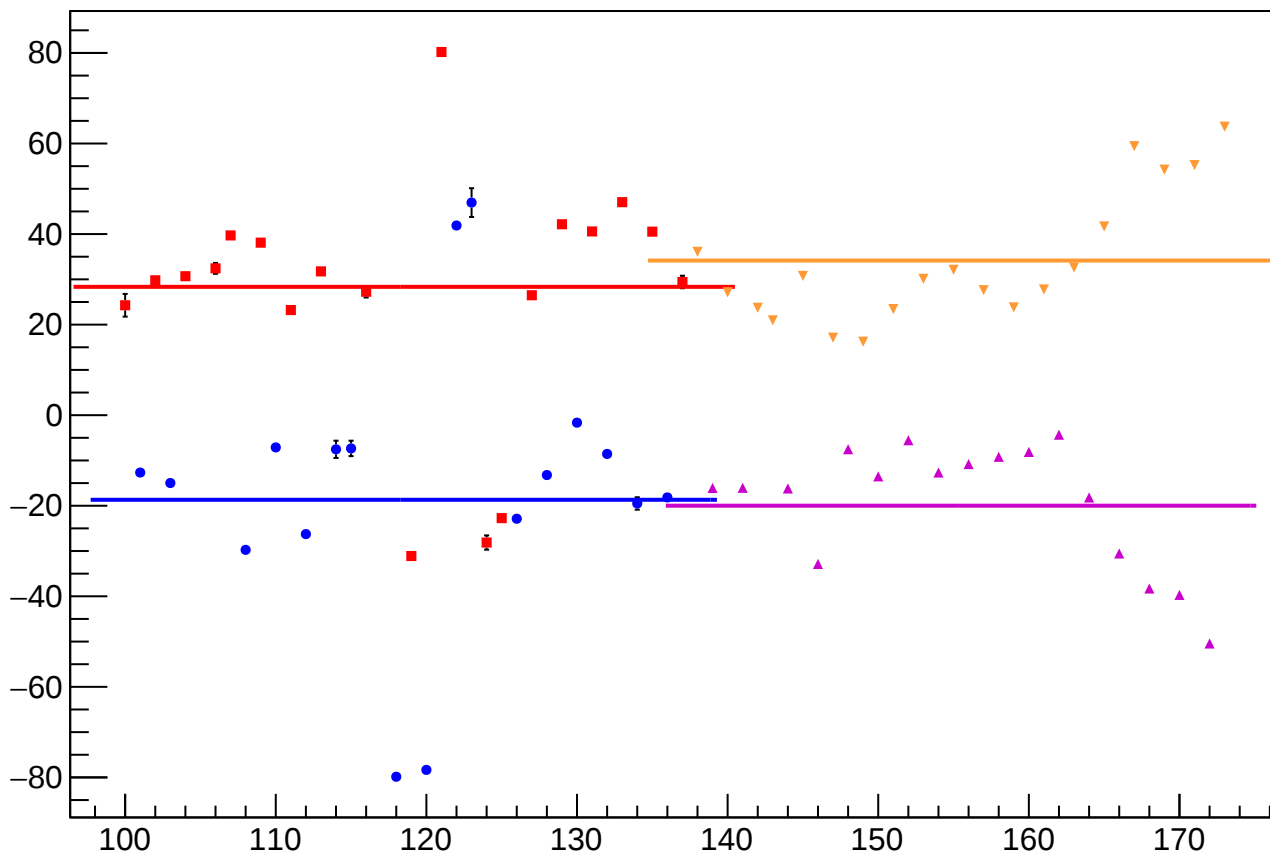
Left In: 923.845 $\pm$ 0.181 χ^2 /NDF:154960.8/16

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

All: 924.943 $\pm$ 0.102 χ^2 /NDF: 502185.4/71

- sign 929.113 $\pm$ 0.146 χ^2 /NDF: 247684.9/35

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

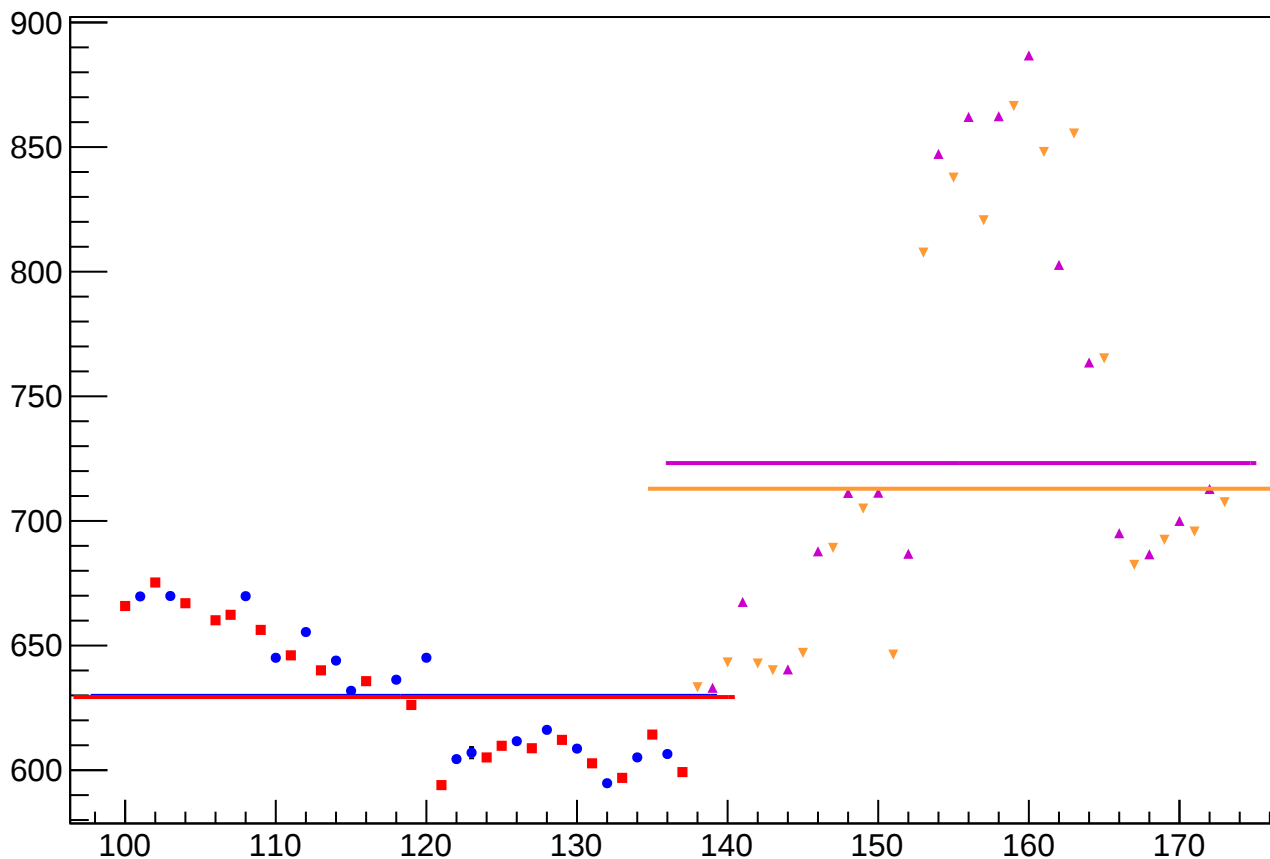
Left In: -19.987 ± 0.201 χ^2/NDF : 4398.7/16

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

All: 7.305 ± 0.107 χ^2/NDF : 93561.5/71

- sign 0.331 ± 0.153 χ^2/NDF : 41331.6/35

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

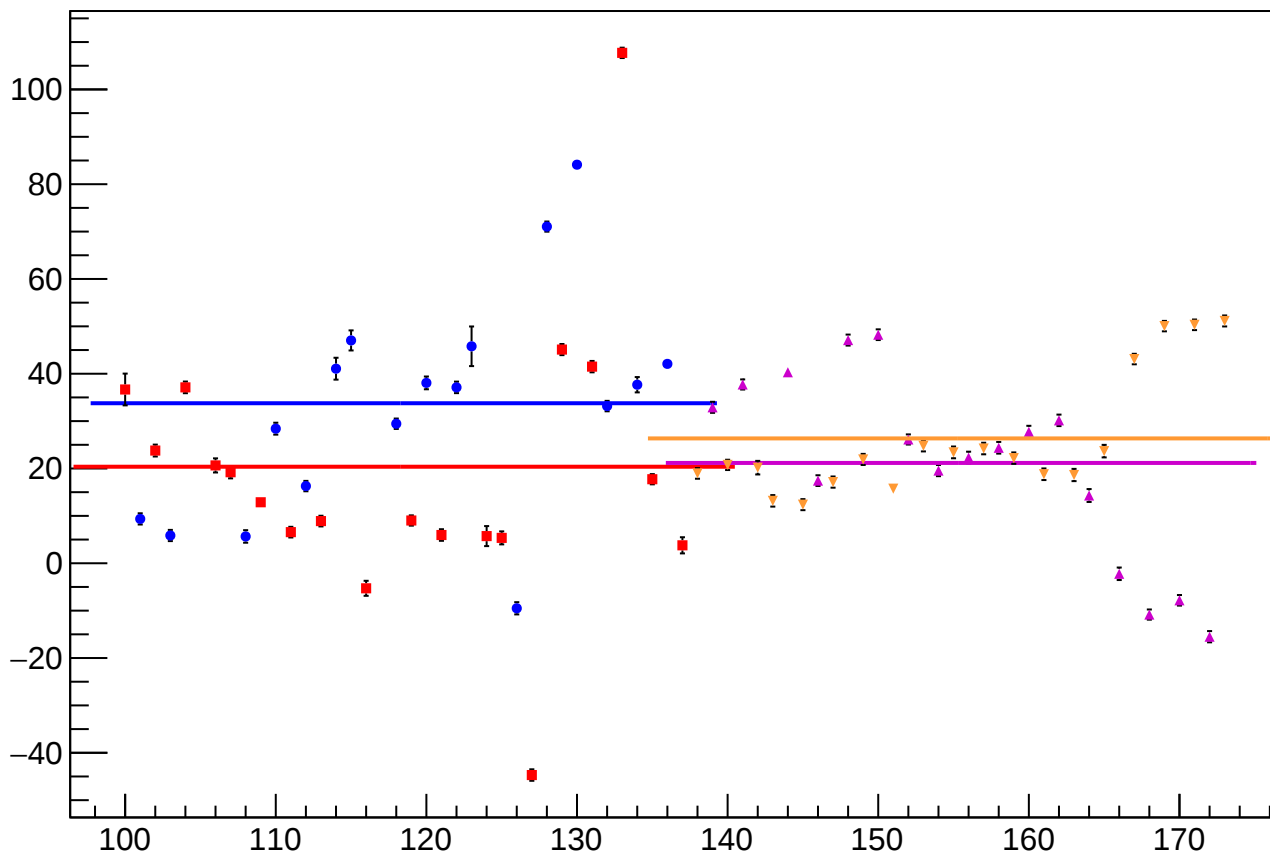
Left In: 723.216 $\pm$ 0.142 χ^2 /NDF:277866.9/16

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

All: 682.481 $\pm$ 0.076 χ^2 /NDF: 988745.0/71

- sign 683.754 $\pm$ 0.108 χ^2 /NDF: 487682.1/35

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

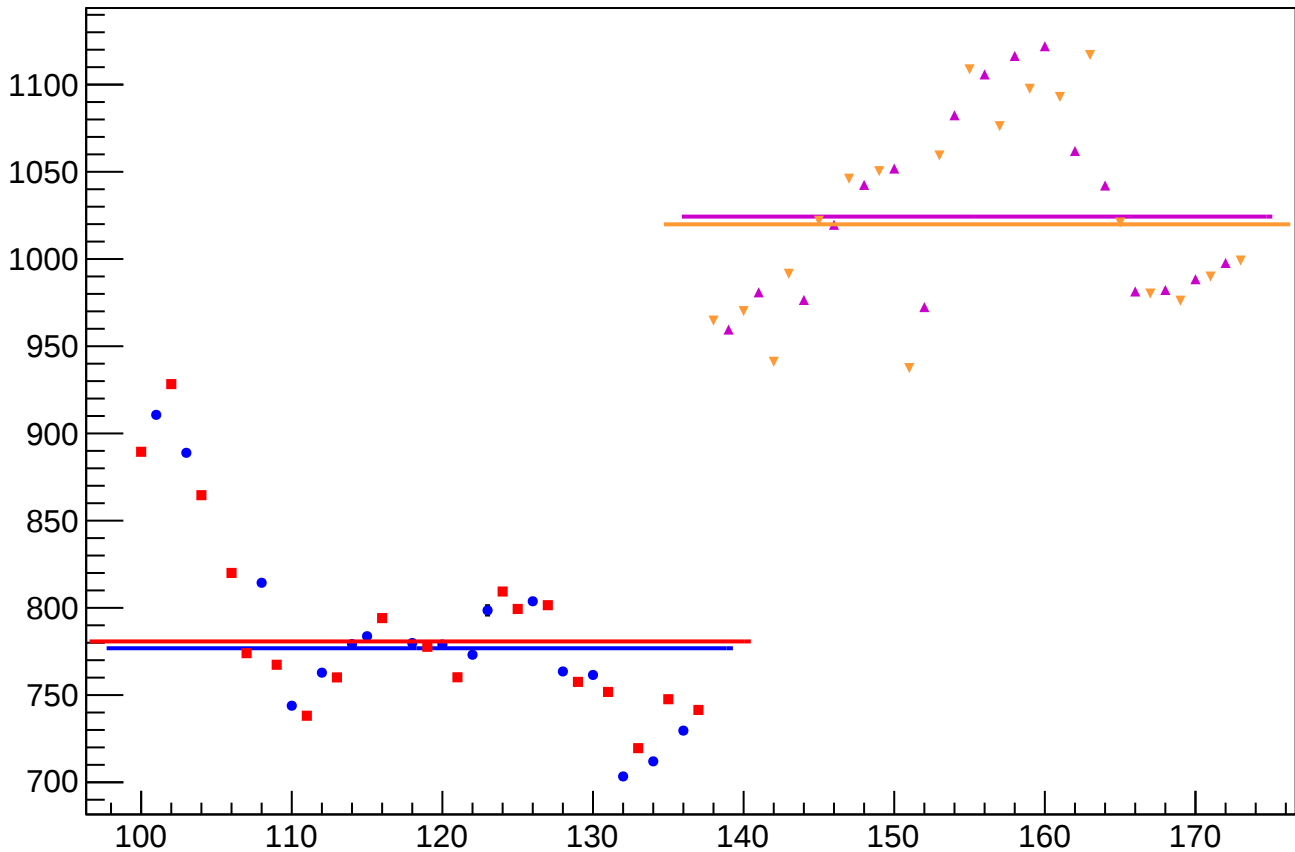
Left In: 21.173 $\pm$ 0.283 χ^2 /NDF: 4722.4/16

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

All: 25.285 $\pm$ 0.143 χ^2 /NDF: 26043.0/71

- sign 20.787 $\pm$ 0.203 χ^2 /NDF: 16014.0/35

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

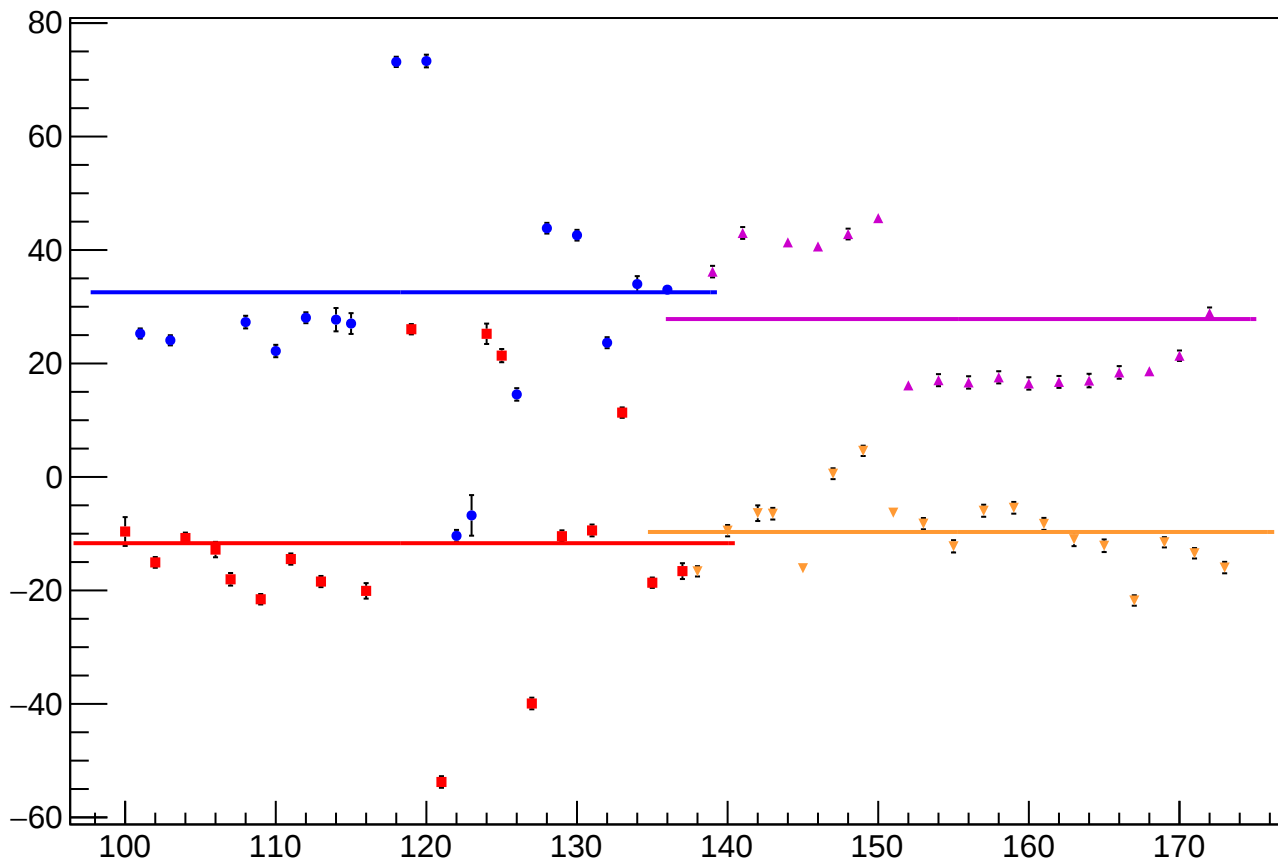
Left In: 1024.325 $\pm$ 0.200 χ^2 /NDF: 67150.5/16

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

All: 908.698 $\pm$ 0.101 χ^2 /NDF: 1714708.0/71

- sign 906.713 $\pm$ 0.144 χ^2 /NDF: 841647.7/35

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

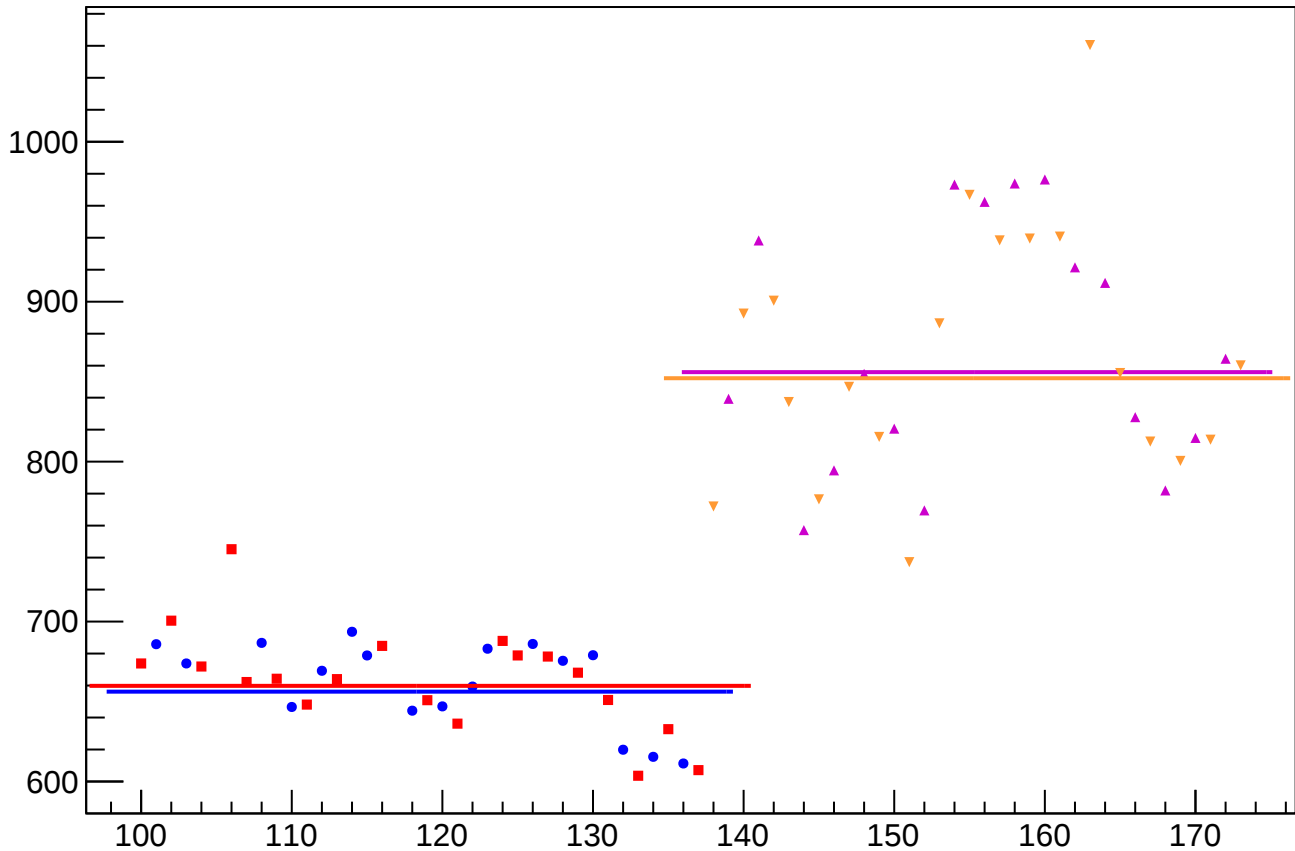
Left In: 27.832 $\pm$ 0.237 χ^2 /NDF: 2437.8/16

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

All: 9.028 $\pm$ 0.120 χ^2 /NDF: 44377.2/71

- sign 8.855 $\pm$ 0.171 χ^2 /NDF: 22089.4/35

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

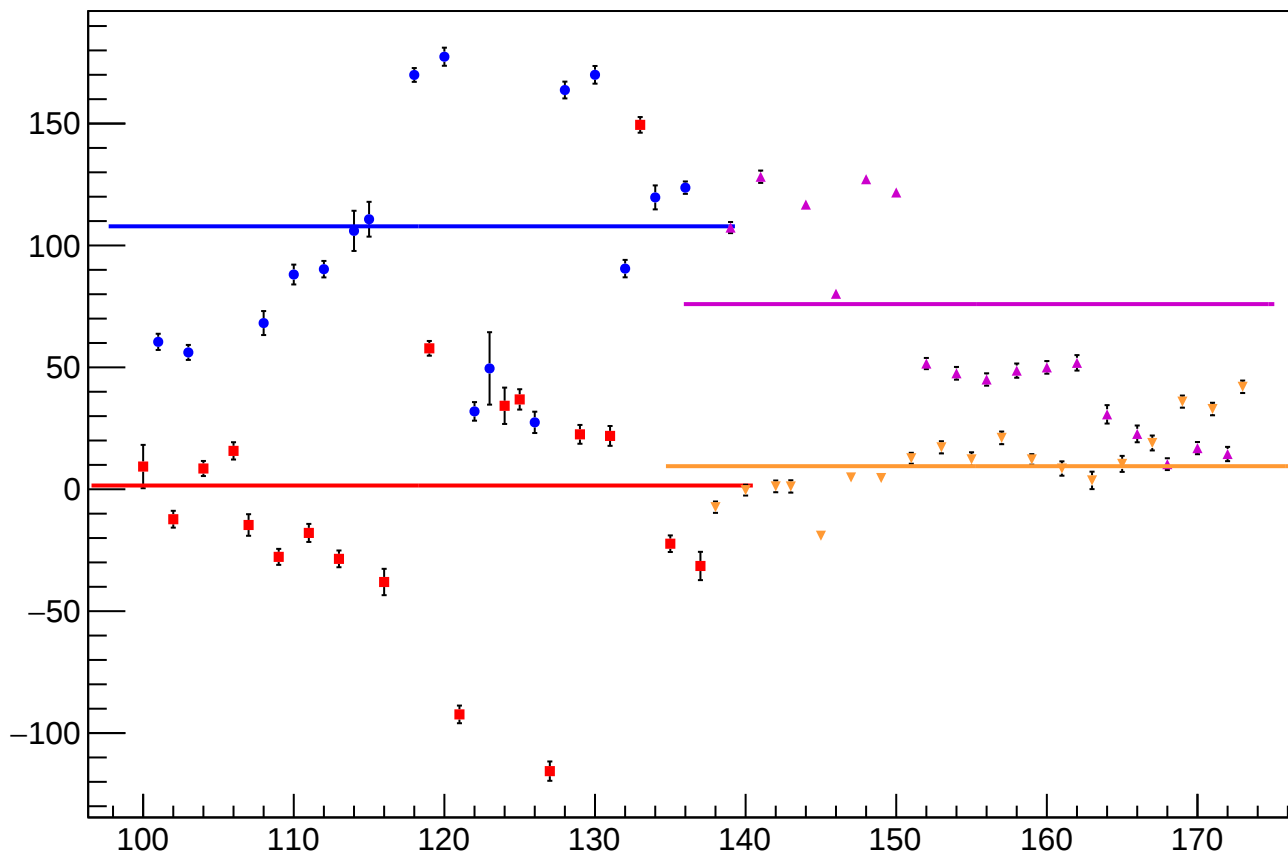
Left In: 855.960 $\pm$ 0.168 χ^2 /NDF: 199220.8/16

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

All: 763.143 $\pm$ 0.085 χ^2 /NDF: 1787081.6/71

- sign 761.740 $\pm$ 0.121 χ^2 /NDF: 882993.1/35

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

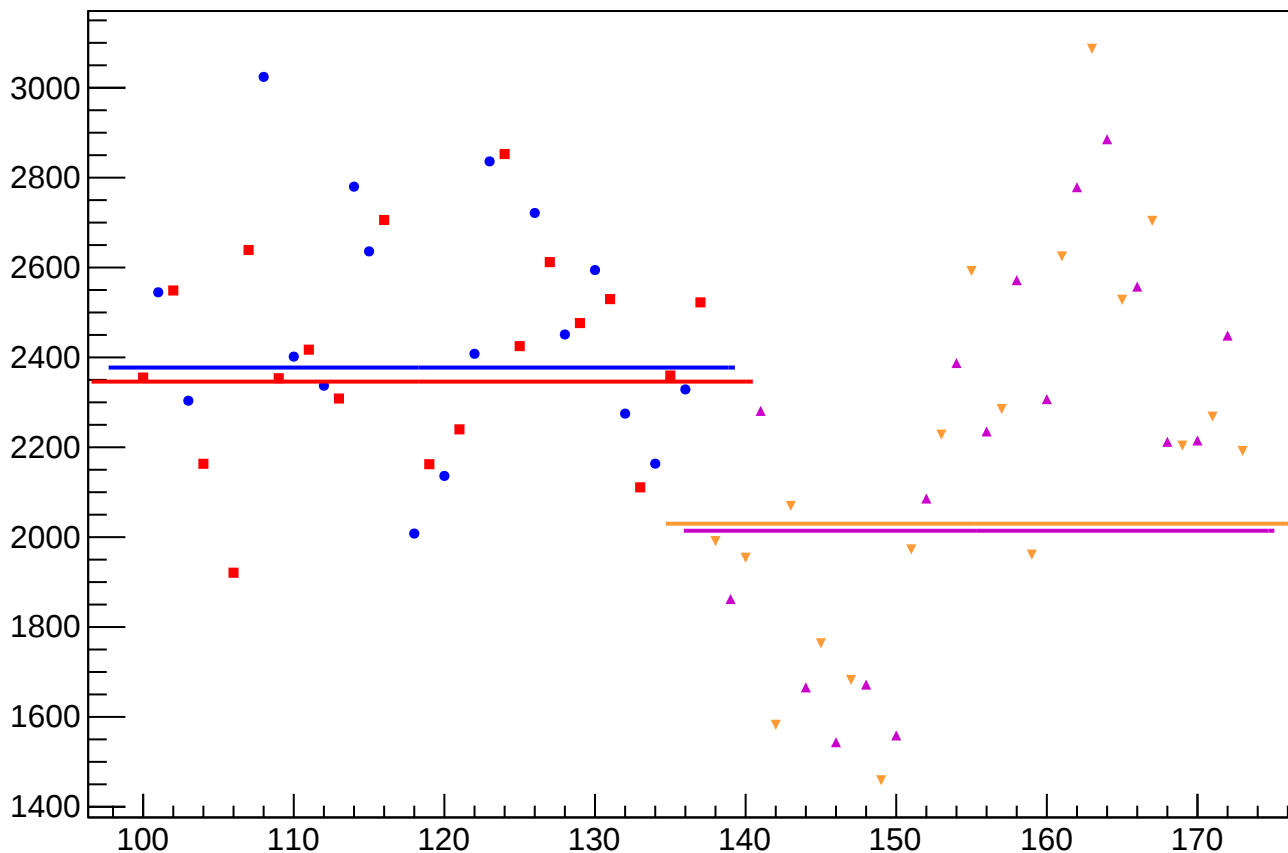
Left In: 75.947 ± 0.569 χ^2/NDF : 5339.1/16

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

All: 44.574 ± 0.336 χ^2/NDF : 27585.3/71

- sign 54.106 ± 0.479 χ^2/NDF : 14875.6/35

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

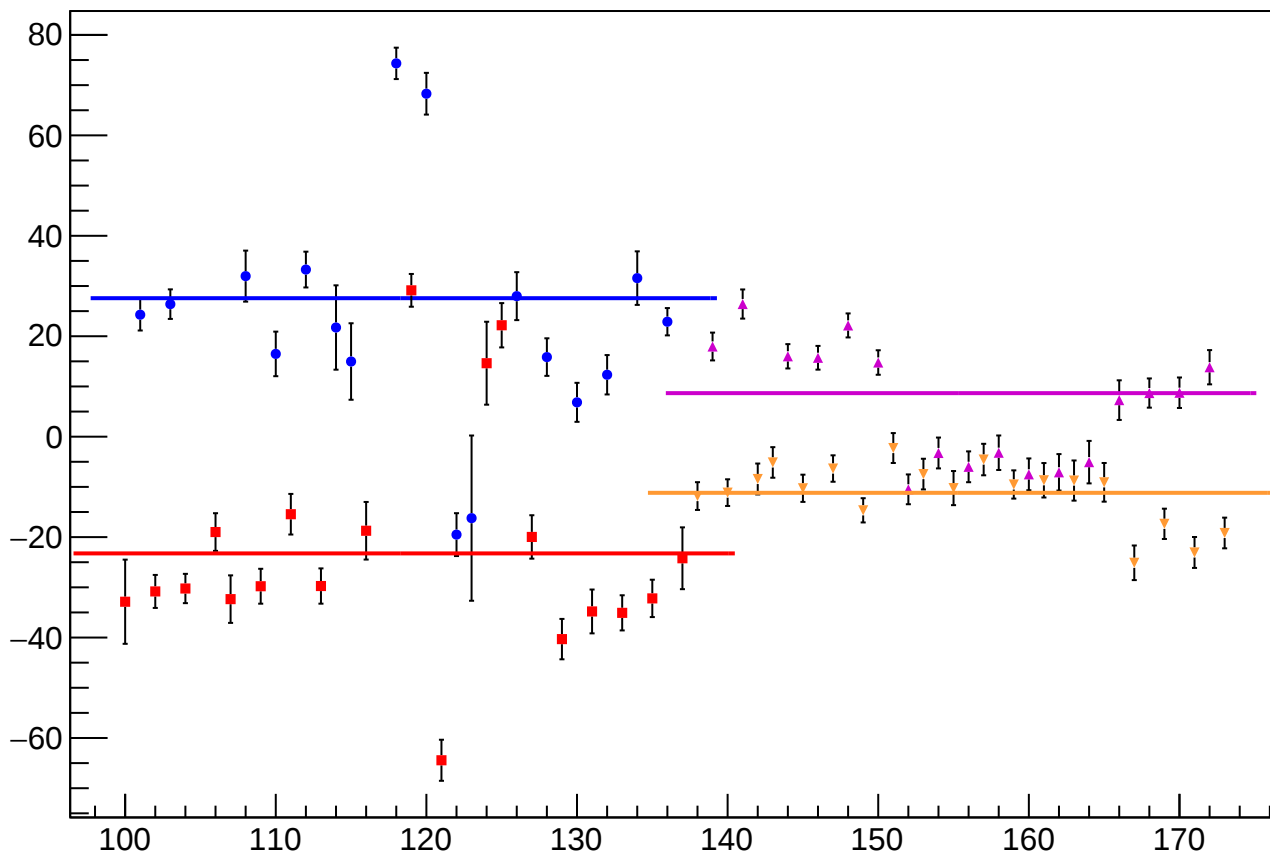
Left In: 2014.274+/-0.403 χ^2/NDF : 967344.2/16

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

All: 2116.500+/-0.238 χ^2/NDF : 2565754.7/71

- sign 2111.685+/-0.338 χ^2/NDF : 1275020.4/35

diff_bpm1i06Y_mean vs Slug



Right In: 27.577 ± 0.975 χ^2/NDF : 519.6/16

Left Out: -11.179 ± 0.691 χ^2/NDF : 69.2/18

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

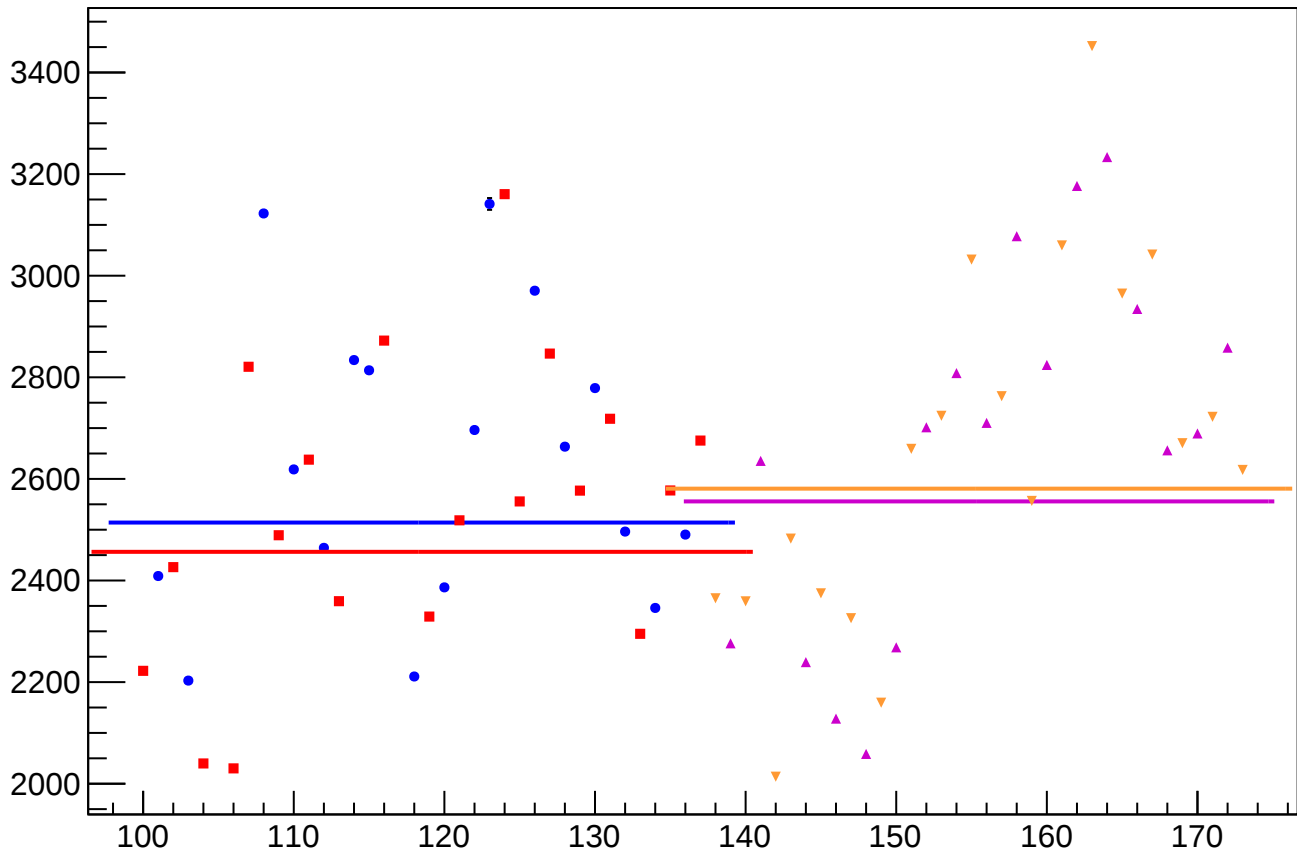
Left In: 8.669 ± 0.714 χ^2/NDF : 254.0/16

+ sign 1.782 ± 0.564 χ^2/NDF : 1640.9/35

All: -0.709 ± 0.399 χ^2/NDF : 3235.6/71

- sign -3.219 ± 0.566 χ^2/NDF : 1555.5/35

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

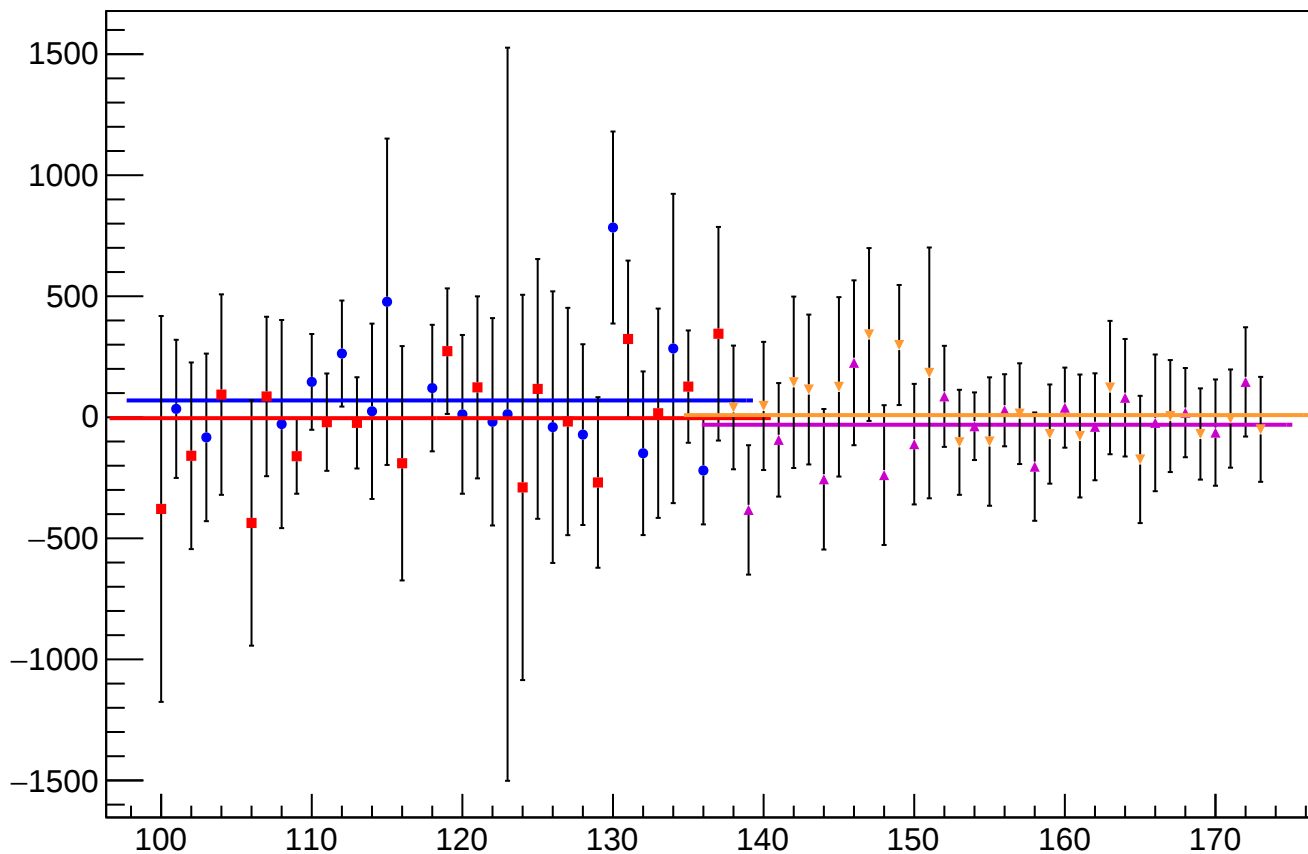
Left In: 2555.705 $\pm$ 0.505 χ^2 /NDF: 469904.8/16

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

All: 2538.693 $\pm$ 0.282 χ^2 /NDF: 1197234.4/71

- sign 2518.732 $\pm$ 0.400 χ^2 /NDF: 634021.4/35

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 69.587 $\pm$ 79.023 χ^2 /NDF: 7.3/16

Left Out: 9.036 $\pm$ 57.630 χ^2 /NDF: 4.4/18

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

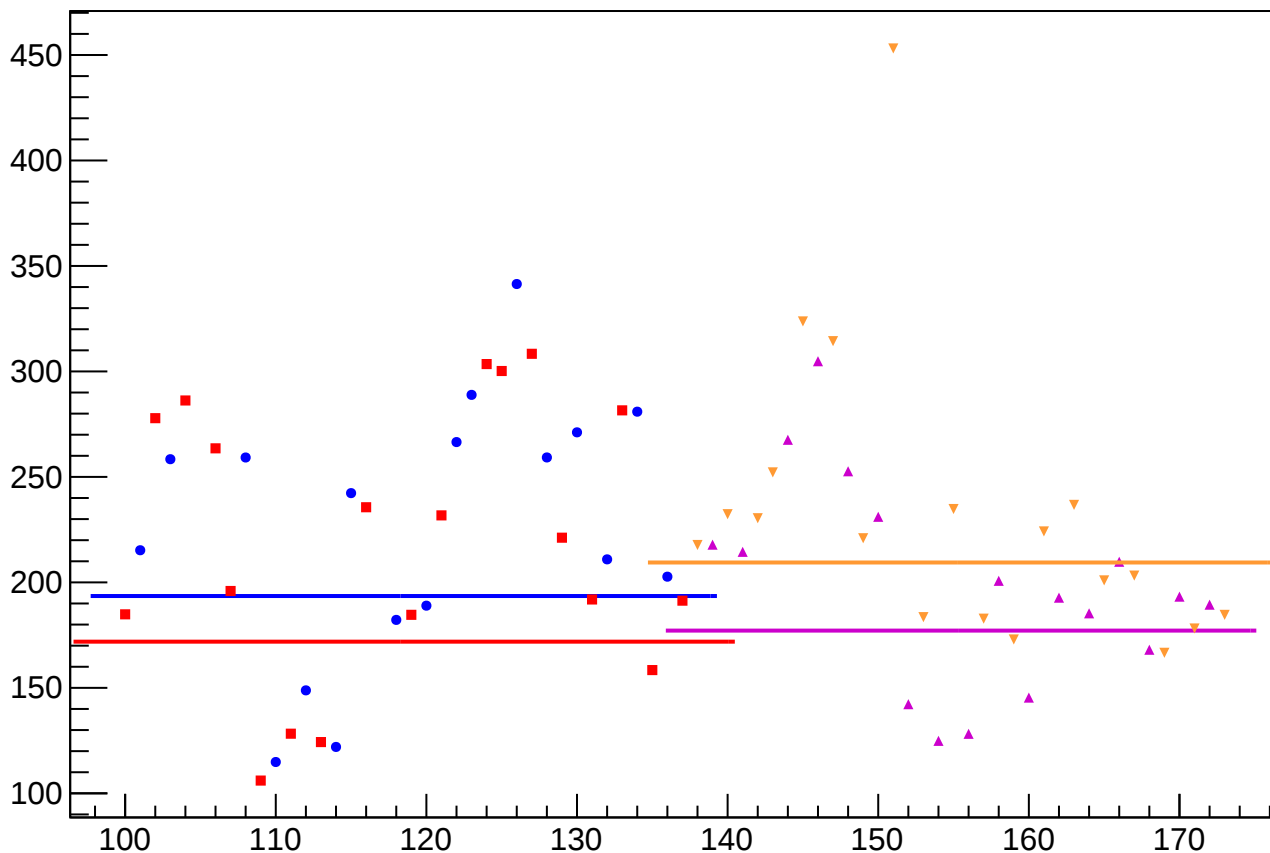
Left In: -30.805 $\pm$ 51.538 χ^2 /NDF: 5.8/16

+ sign 30.059 $\pm$ 46.563 χ^2 /NDF: 12.1/35

All: 1.477 $\pm$ 30.980 χ^2 /NDF: 25.0/71

- sign -21.225 $\pm$ 41.498 χ^2 /NDF: 12.3/35

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

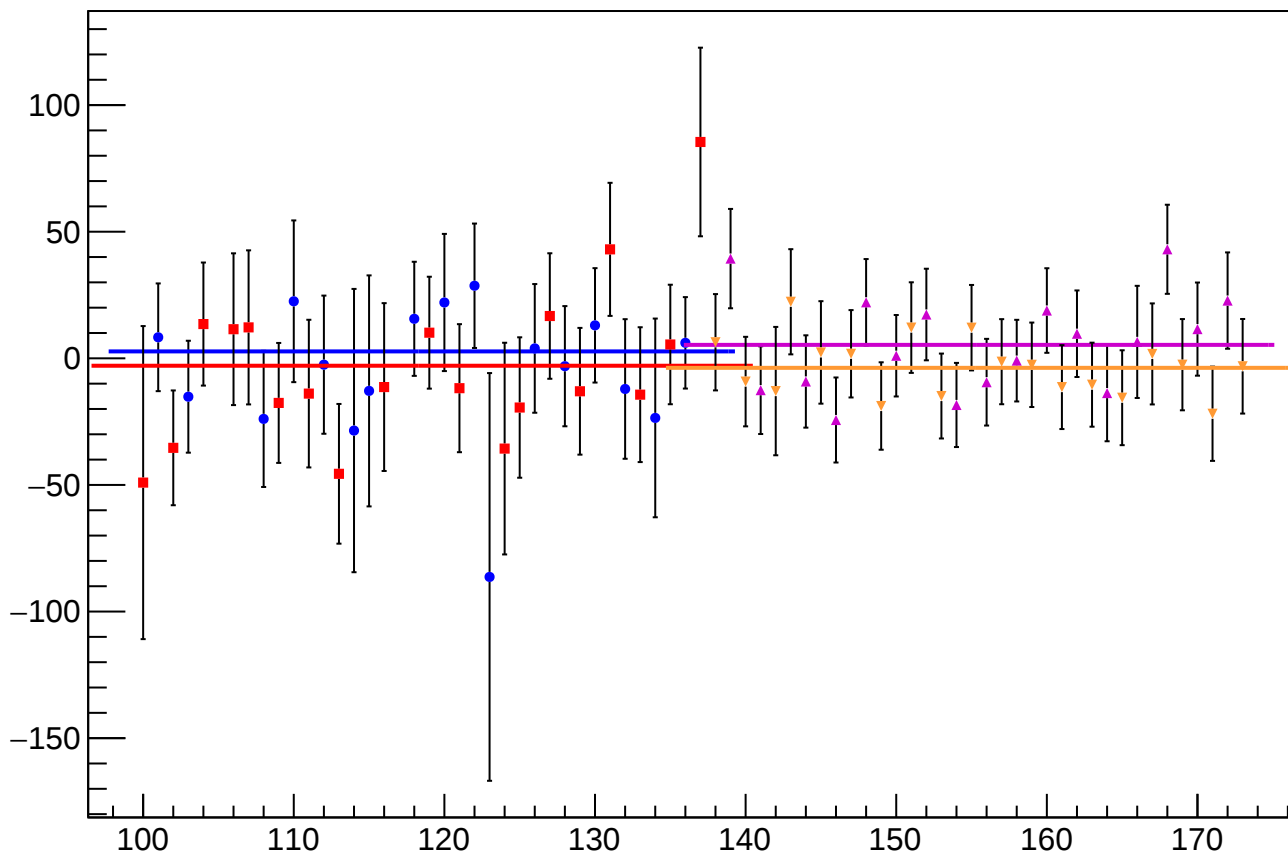
Left In: 177.145 $\pm$ 0.036 χ^2 /NDF:1511703.1/16

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

All: 187.965 $\pm$ 0.022 χ^2 /NDF: 5801750.7/71

- sign 175.301 $\pm$ 0.029 χ^2 /NDF: 3095868.5/35

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.733+/-6.424 χ^2/NDF : 6.8/16

Left Out: -3.758+/-4.159 χ^2/NDF : 7.0/18

Right Out: -2.928+/-6.279 χ^2/NDF : 17.8/18

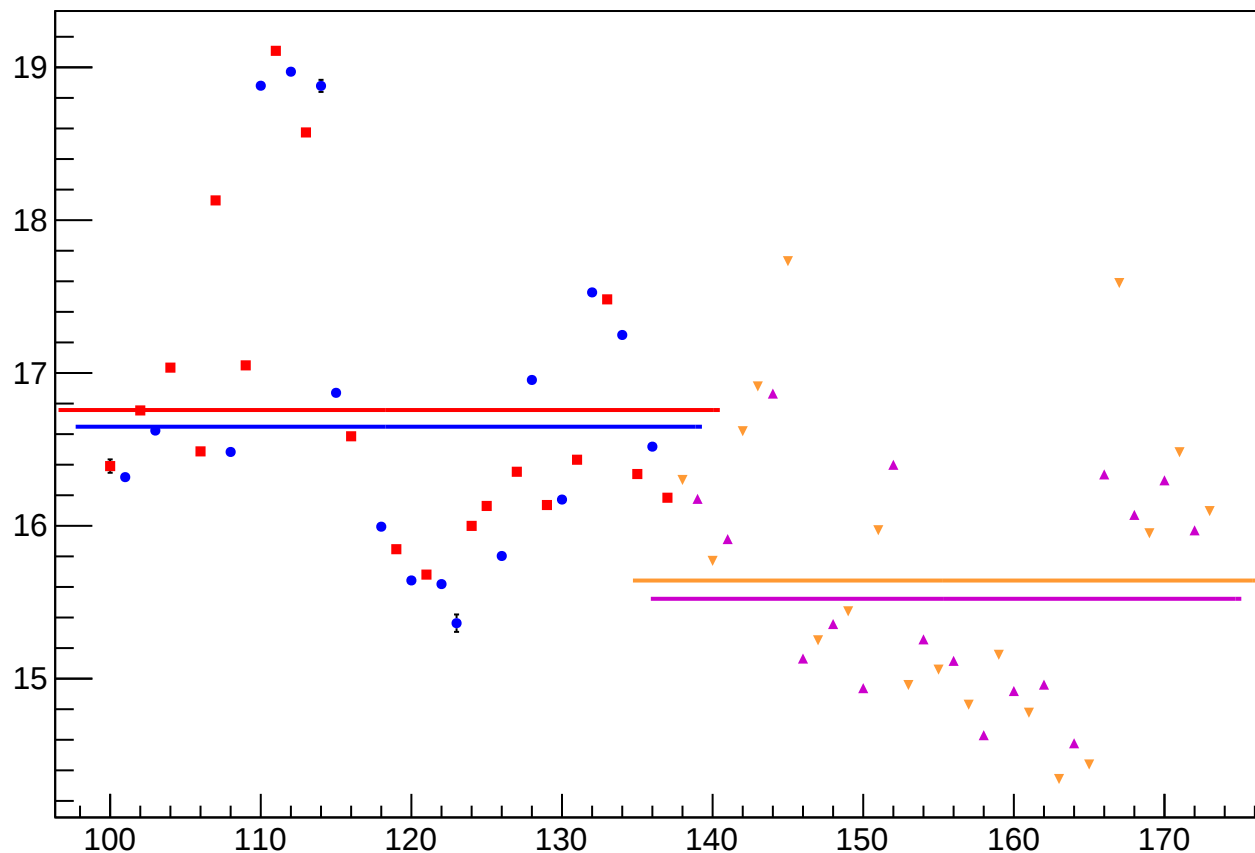
Left In: 5.312+/-4.284 χ^2/NDF : 19.5/16

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

All: 0.396+/-2.485 χ^2/NDF : 53.8/71

- sign 2.694+/-3.539 χ^2/NDF : 38.5/35

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

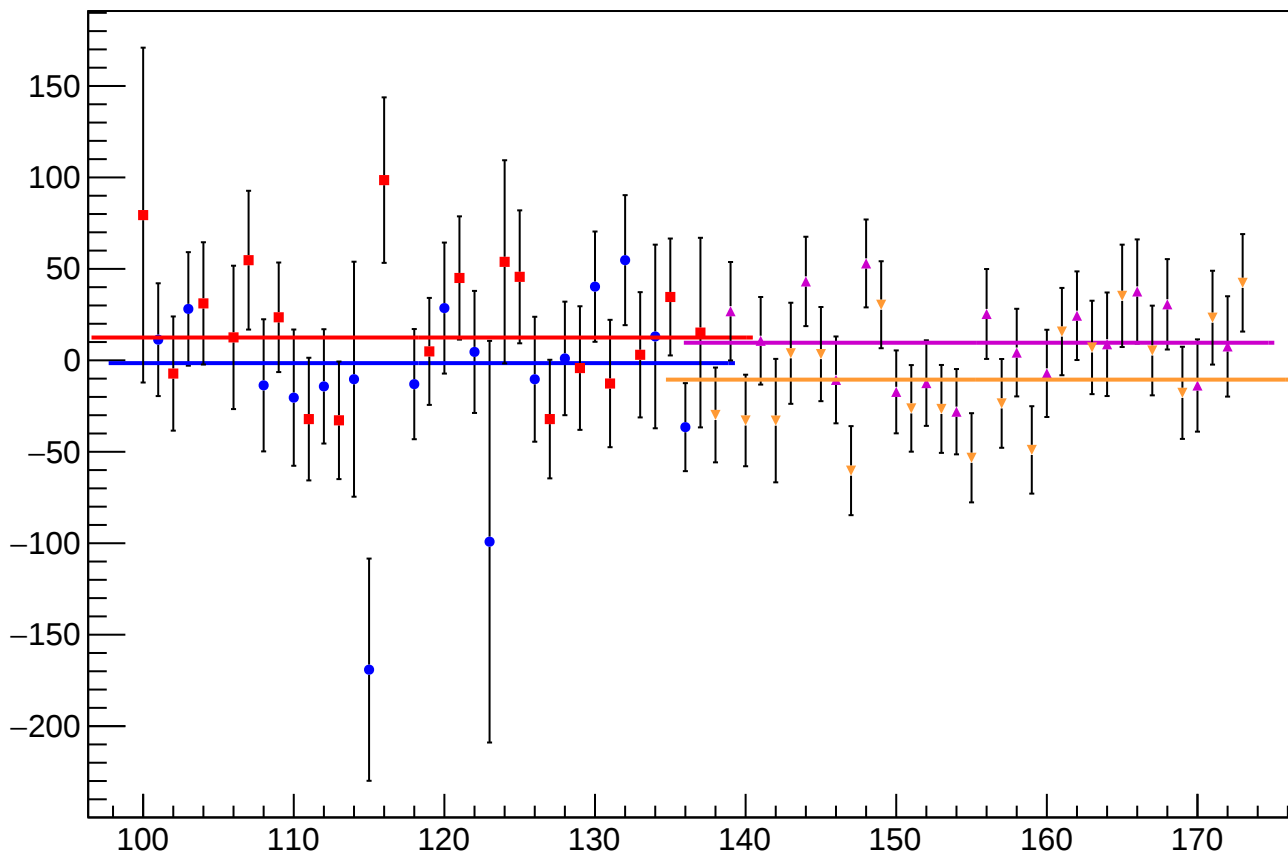
Left In: 15.523 $\pm$ 0.003 χ^2 /NDF: 49495.0/16

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

All: 15.927 $\pm$ 0.002 χ^2 /NDF: 318662.9/71

- sign 15.915 $\pm$ 0.003 χ^2 /NDF: 142260.0/35

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

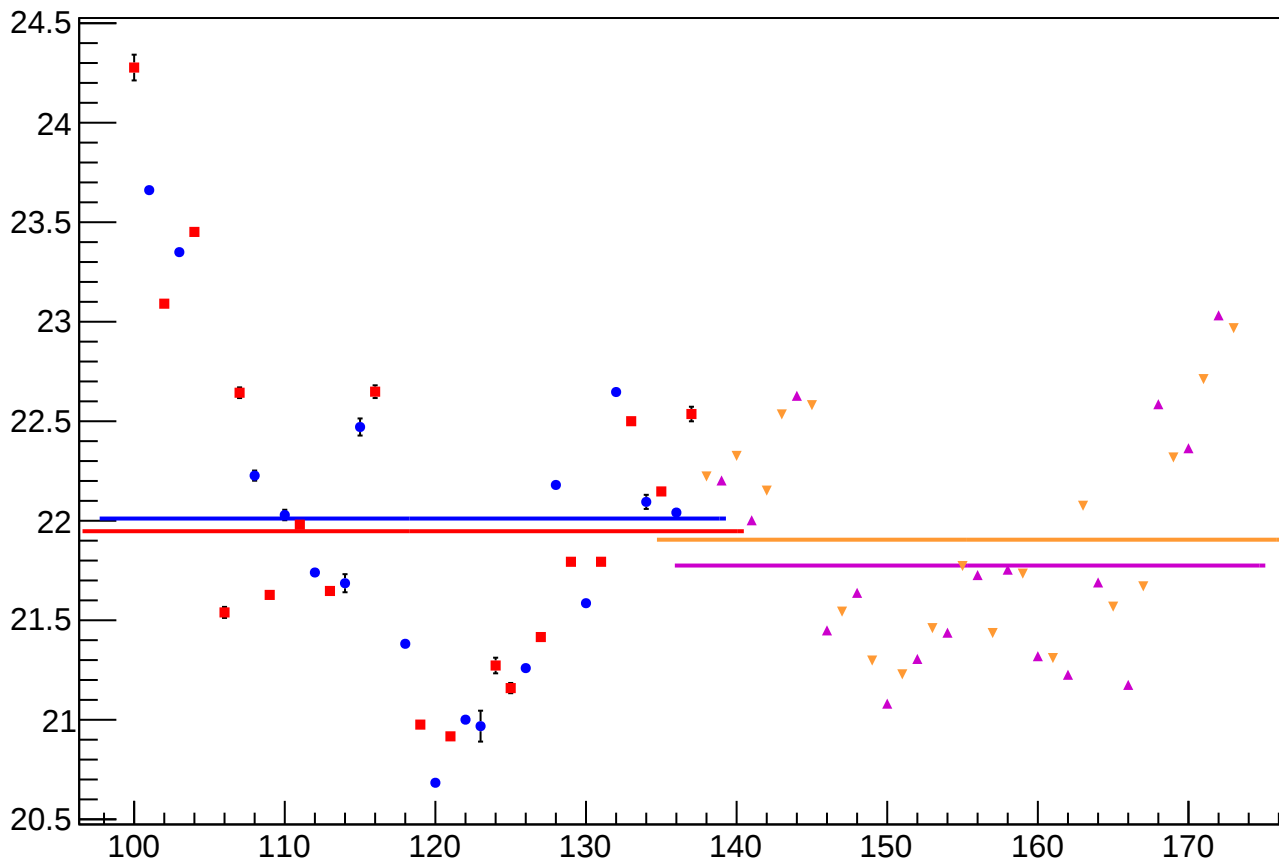
Left In: 9.621 ± 5.998 χ^2/NDF : 15.1/16

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

All: 1.382 ± 3.407 χ^2/NDF : 83.2/71

- sign 10.614 ± 4.843 χ^2/NDF : 30.8/35

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

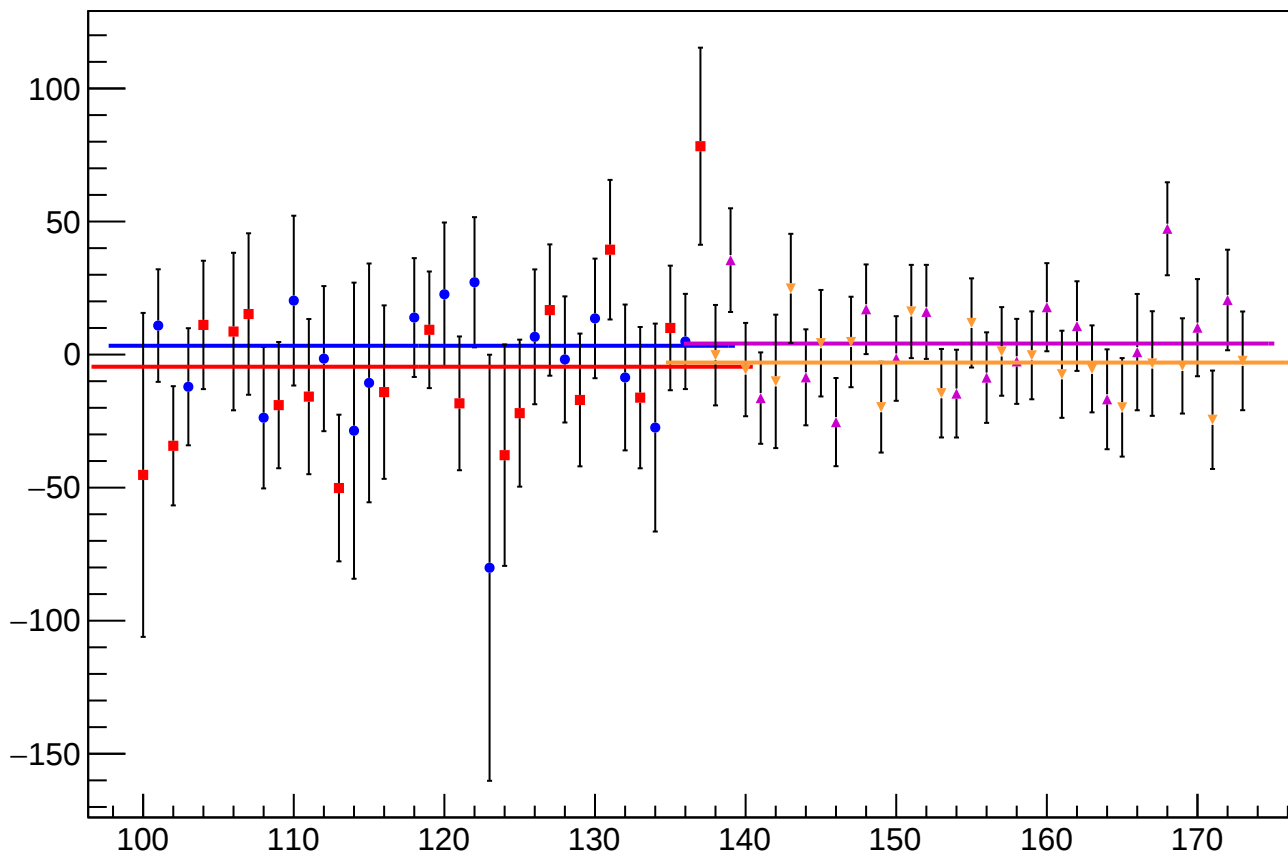
Left In: 21.775 $\pm$ 0.004 χ^2 /NDF:16773.7/16

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

All: 21.887 $\pm$ 0.002 χ^2 /NDF: 68024.0/71

- sign 21.835 $\pm$ 0.003 χ^2 /NDF: 33941.8/35

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.317 ± 6.388 χ^2/NDF : 6.3/16

Left Out: -2.996 ± 4.115 χ^2/NDF : 8.1/18

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

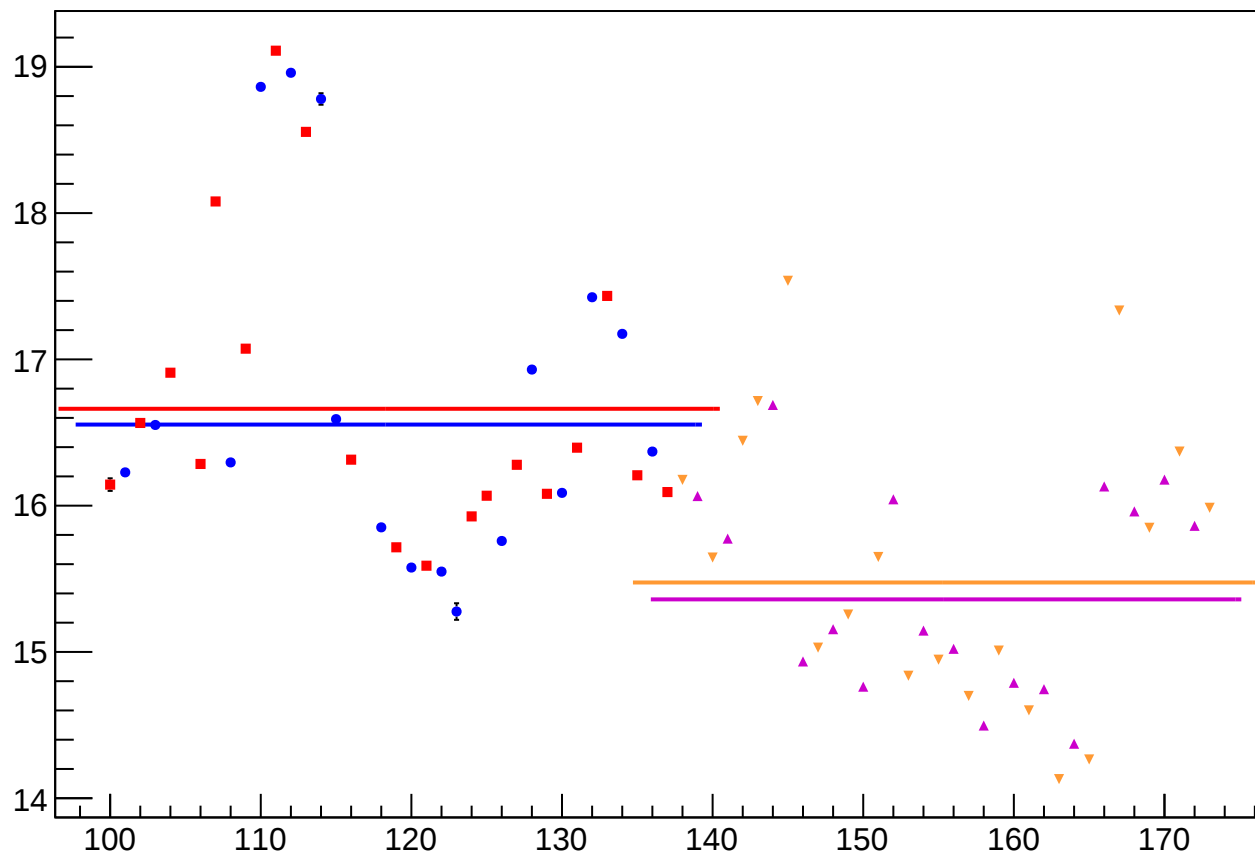
Left In: 4.148 ± 4.239 χ^2/NDF : 19.9/16

+ sign -1.145 ± 3.459 χ^2/NDF : 15.1/35

All: 0.110 ± 2.463 χ^2/NDF : 54.3/71

- sign 1.400 ± 3.507 χ^2/NDF : 39.0/35

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

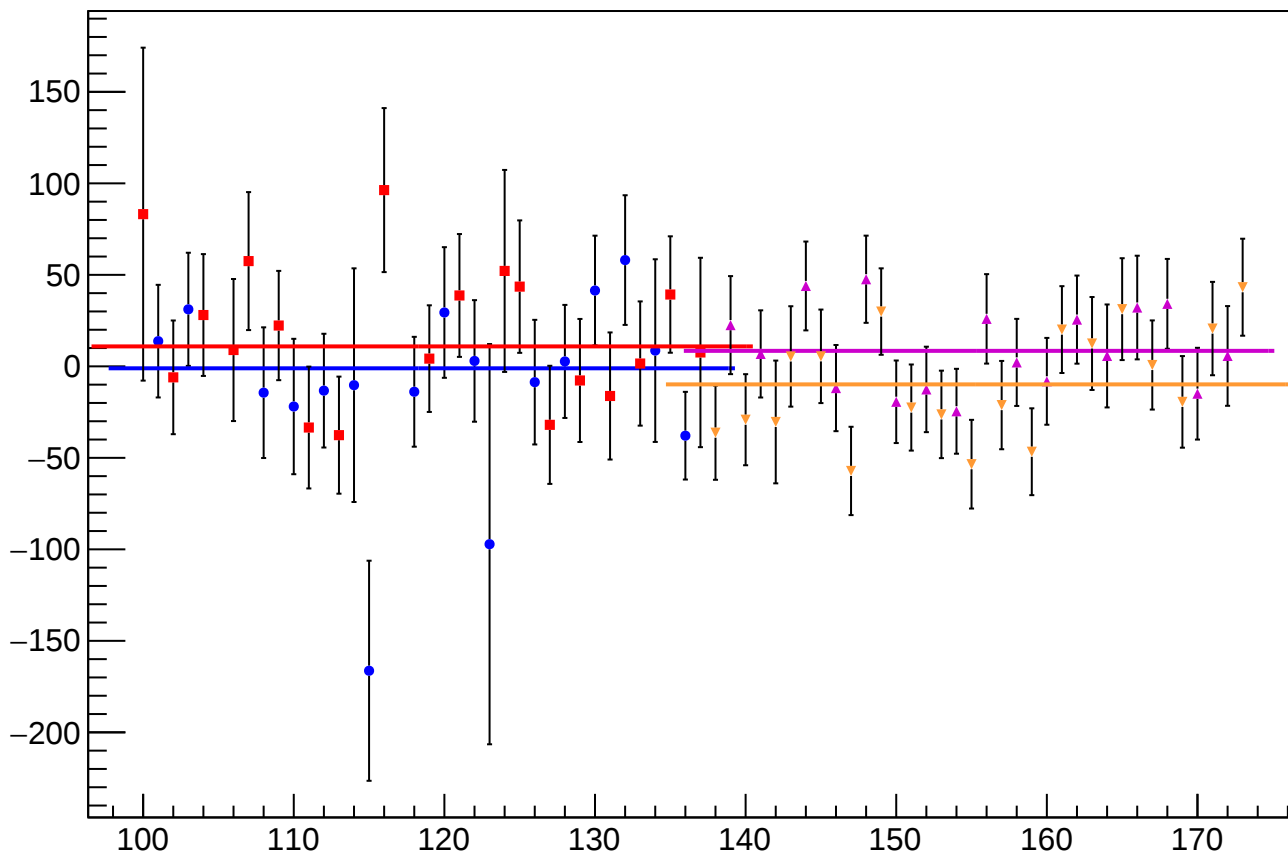
Left In: 15.359 $\pm$ 0.003 χ^2 /NDF:49898.0/16

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

All: 15.781 $\pm$ 0.002 χ^2 /NDF: 337453.8/71

- sign 15.770 $\pm$ 0.002 χ^2 /NDF: 152589.0/35

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

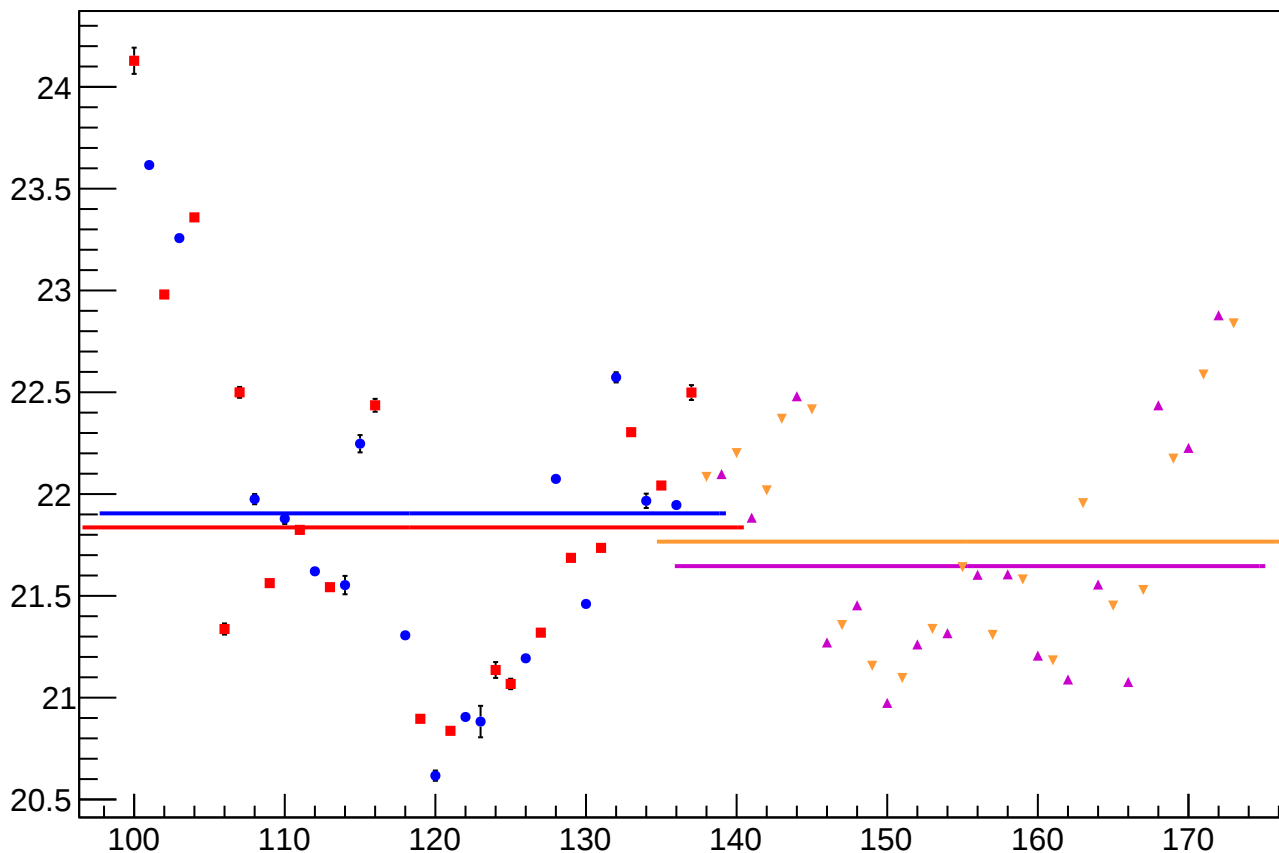
Left In: 8.466 ± 5.962 χ^2/NDF : 14.5/16

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

All: 1.044 ± 3.388 χ^2/NDF : 82.2/71

- sign 9.312 ± 4.816 χ^2/NDF : 30.8/35

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

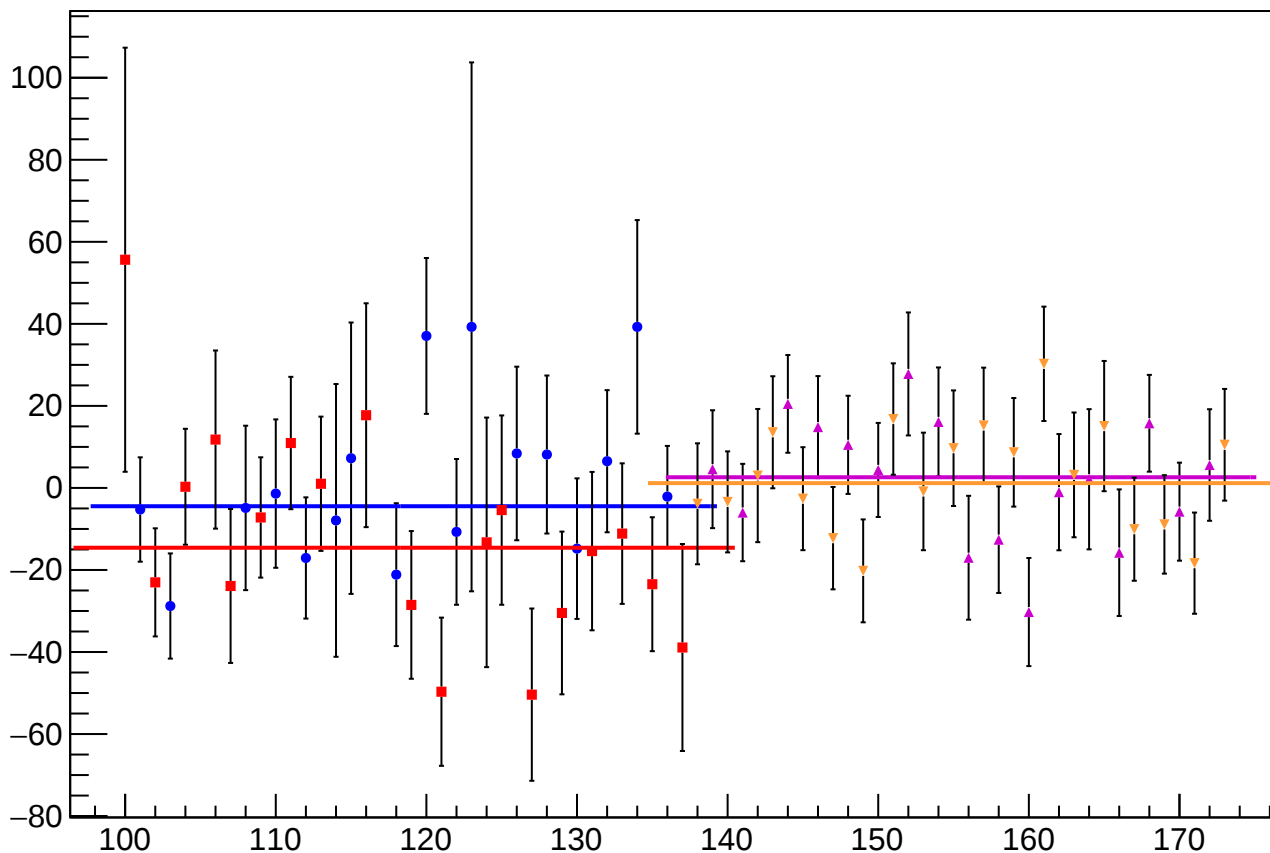
Left In: 21.646 $\pm$ 0.004 χ^2 /NDF: 16319.1/16

+ sign 21.811 $\pm$ 0.003 χ^2 /NDF: 34159.5/35

All: 21.762 $\pm$ 0.002 χ^2 /NDF: 67859.6/71

- sign 21.712 $\pm$ 0.003 χ^2 /NDF: 33277.6/35

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

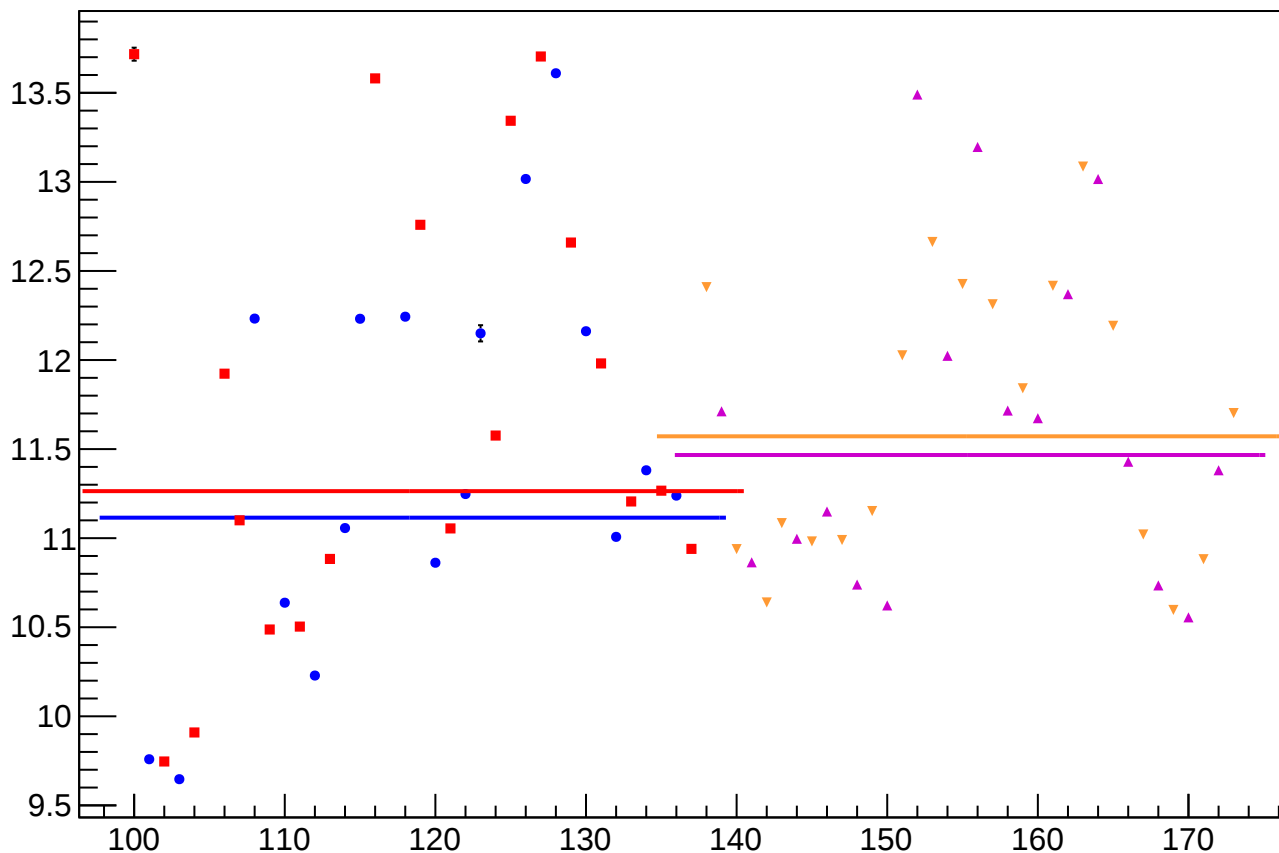
Left In: 2.606 ± 3.187 χ^2/NDF : 20.6/16

+ sign -0.736 ± 2.519 χ^2/NDF : 34.2/35

All: -2.126 ± 1.793 χ^2/NDF : 85.4/71

- sign -3.554 ± 2.553 χ^2/NDF : 50.6/35

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

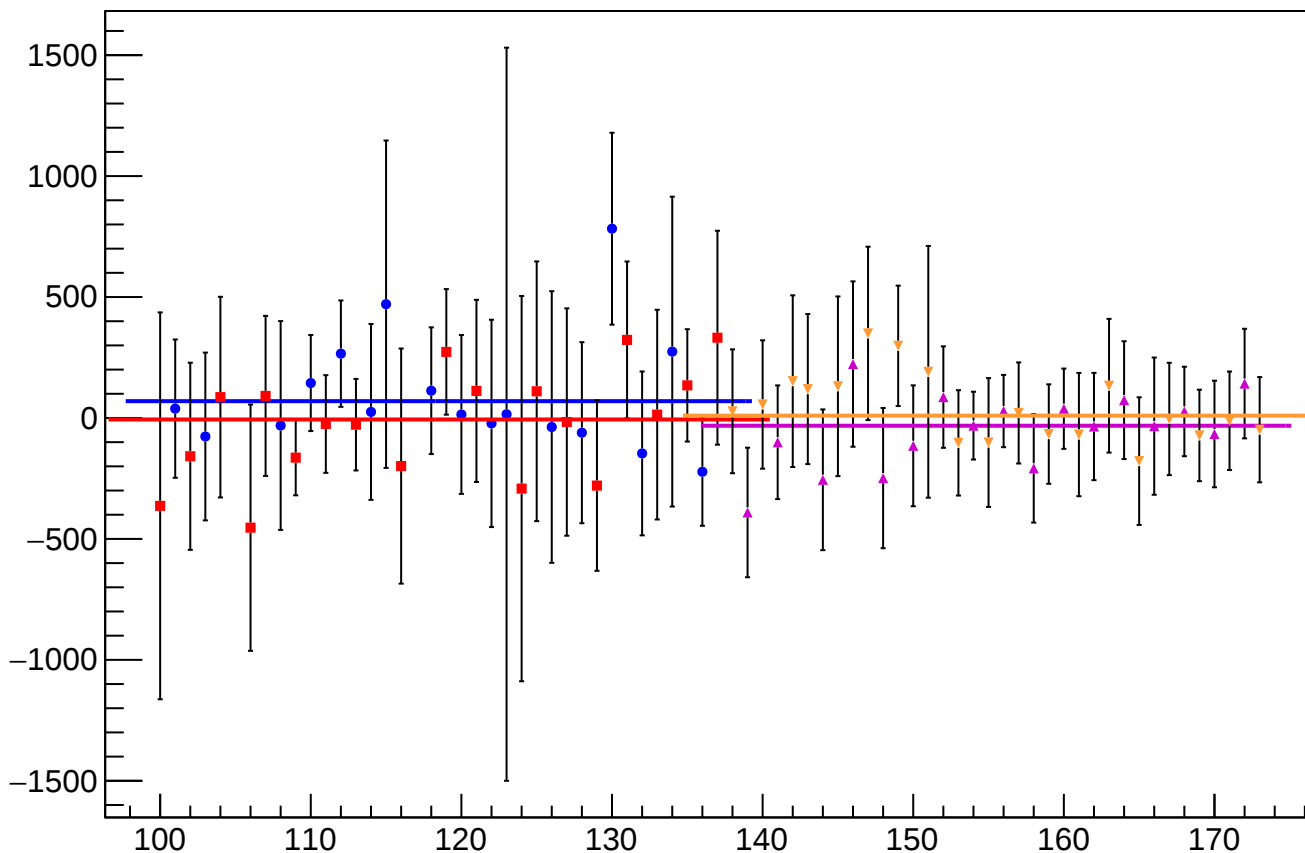
Left In: 11.467 $\pm$ 0.002 χ^2 /NDF: 139781.7/16

+ sign 11.417 $\pm$ 0.002 χ^2 /NDF: 260915.4/35

All: 11.406 $\pm$ 0.001 χ^2 /NDF: 551166.6/71

- sign 11.394 $\pm$ 0.002 χ^2 /NDF: 290169.2/35

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 69.470 ± 79.231 χ^2/NDF : 7.3/16

Left Out: 9.641 ± 57.832 χ^2/NDF : 4.5/18

Right Out: -6.194 ± 70.182 χ^2/NDF : 6.5/18

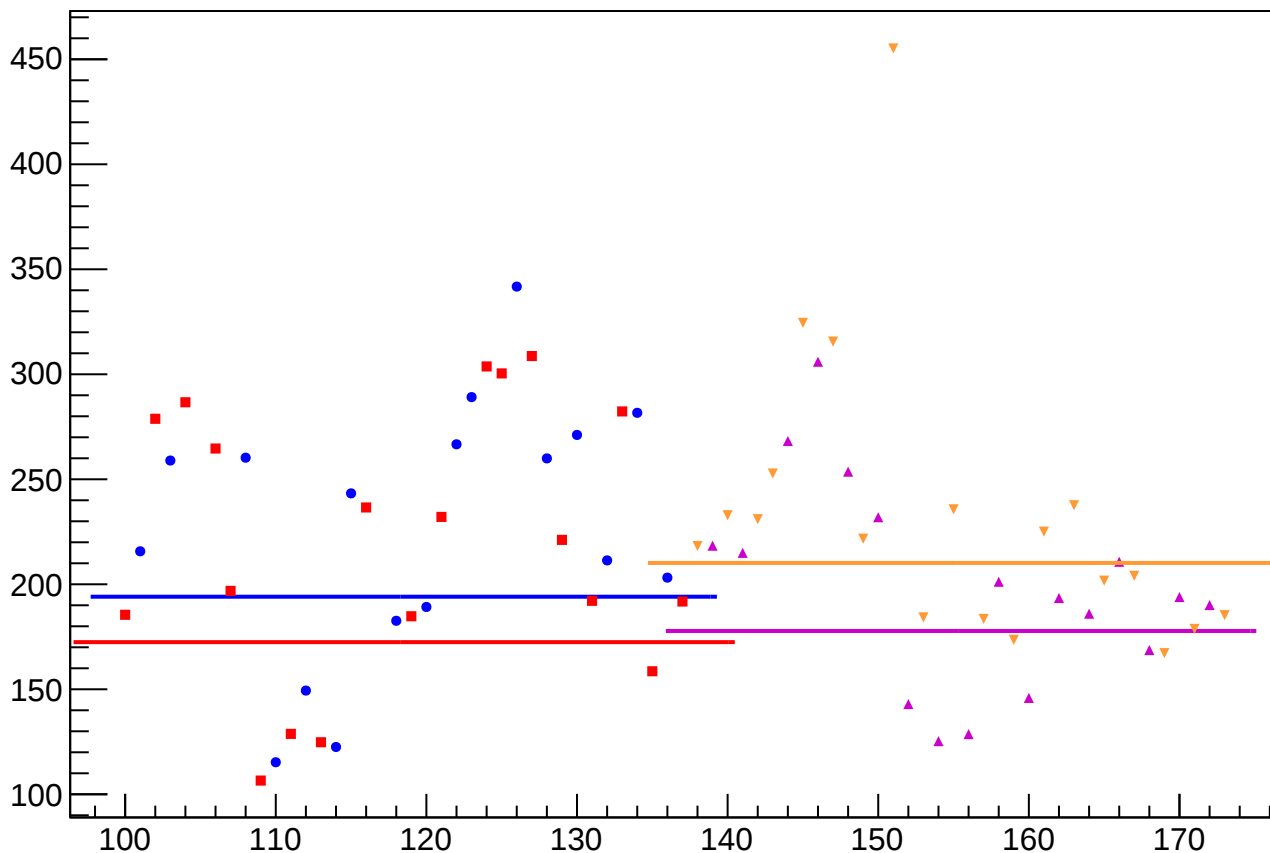
Left In: -32.070 ± 51.717 χ^2/NDF : 5.9/16

+ sign 30.437 ± 46.712 χ^2/NDF : 12.1/35

All: 0.677 ± 31.081 χ^2/NDF : 25.3/71

- sign -22.964 ± 41.634 χ^2/NDF : 12.5/35

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

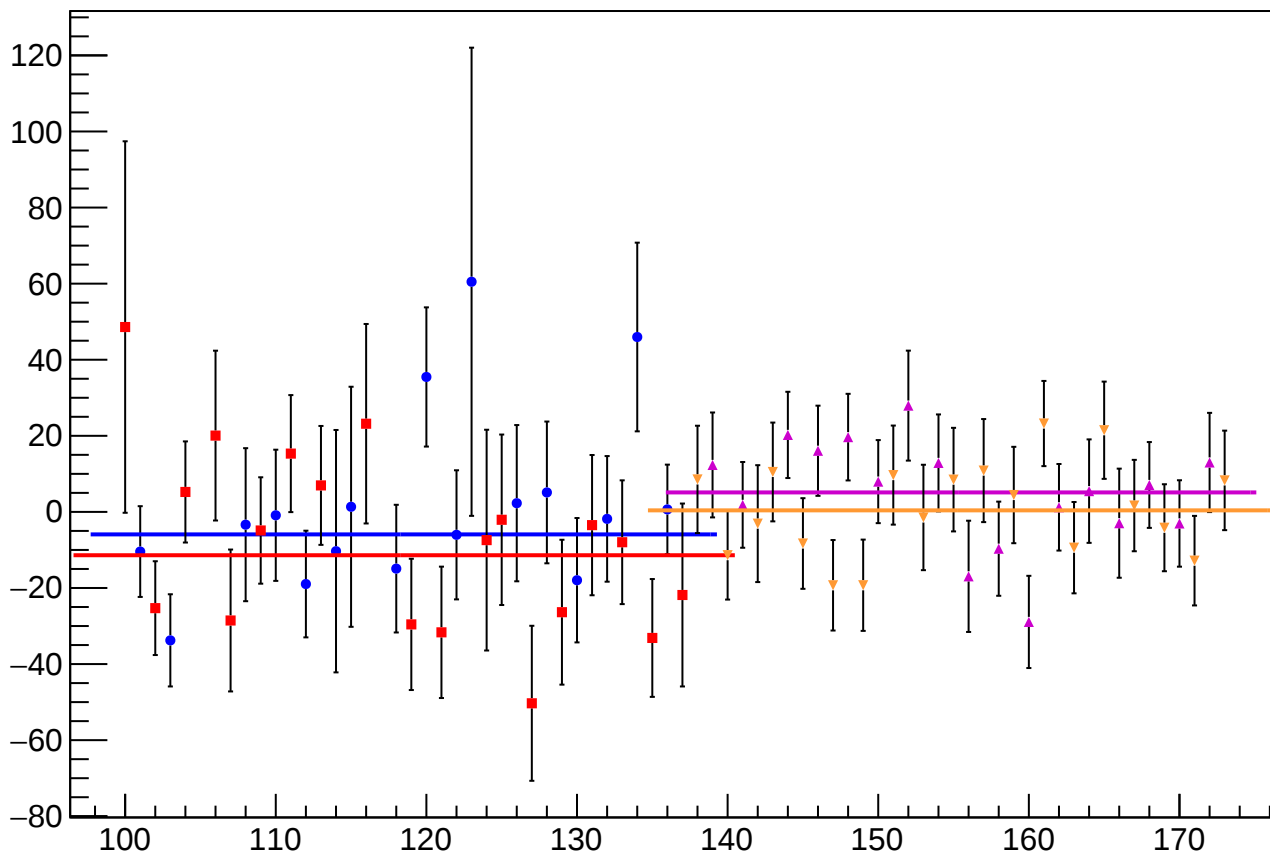
Left In: 177.763 $\pm$ 0.037 χ^2 /NDF:1509858.8/16

+ sign 204.575 $\pm$ 0.033 χ^2 /NDF: 2279994.8/35

All: 188.591 $\pm$ 0.022 χ^2 /NDF: 5786935.1/71

- sign 175.894 $\pm$ 0.029 χ^2 /NDF: 3086745.9/35

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

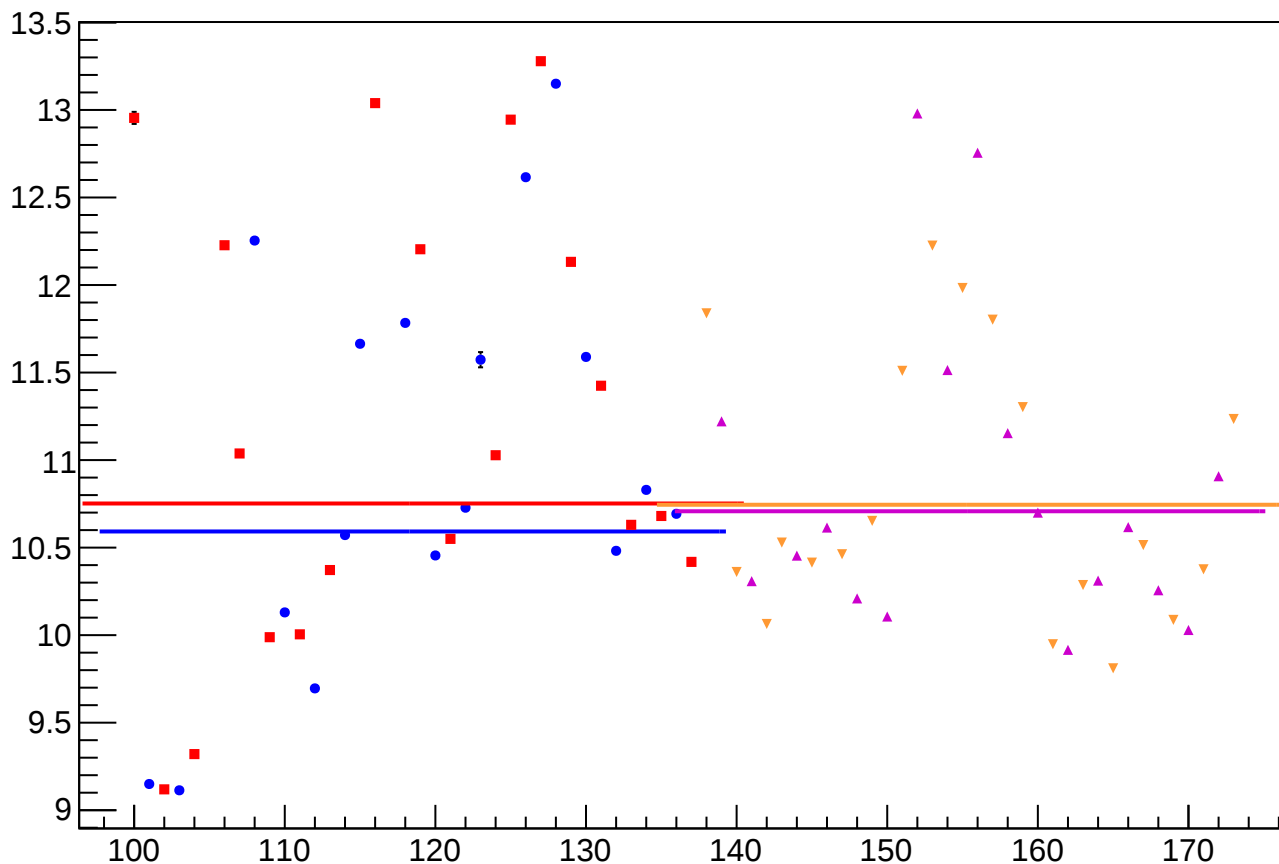
Left In: 5.120 ± 2.980 χ^2/NDF : 20.5/16

+ sign -1.660 ± 2.364 χ^2/NDF : 39.3/35

All: -1.153 ± 1.686 χ^2/NDF : 93.4/71

- sign -0.628 ± 2.406 χ^2/NDF : 54.0/35

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592 ± 0.003 χ^2/NDF : 160397.9/16

Left Out: 10.745 ± 0.002 χ^2/NDF : 119642.1/18

Right Out: 10.752 ± 0.003 χ^2/NDF : 176895.3/18

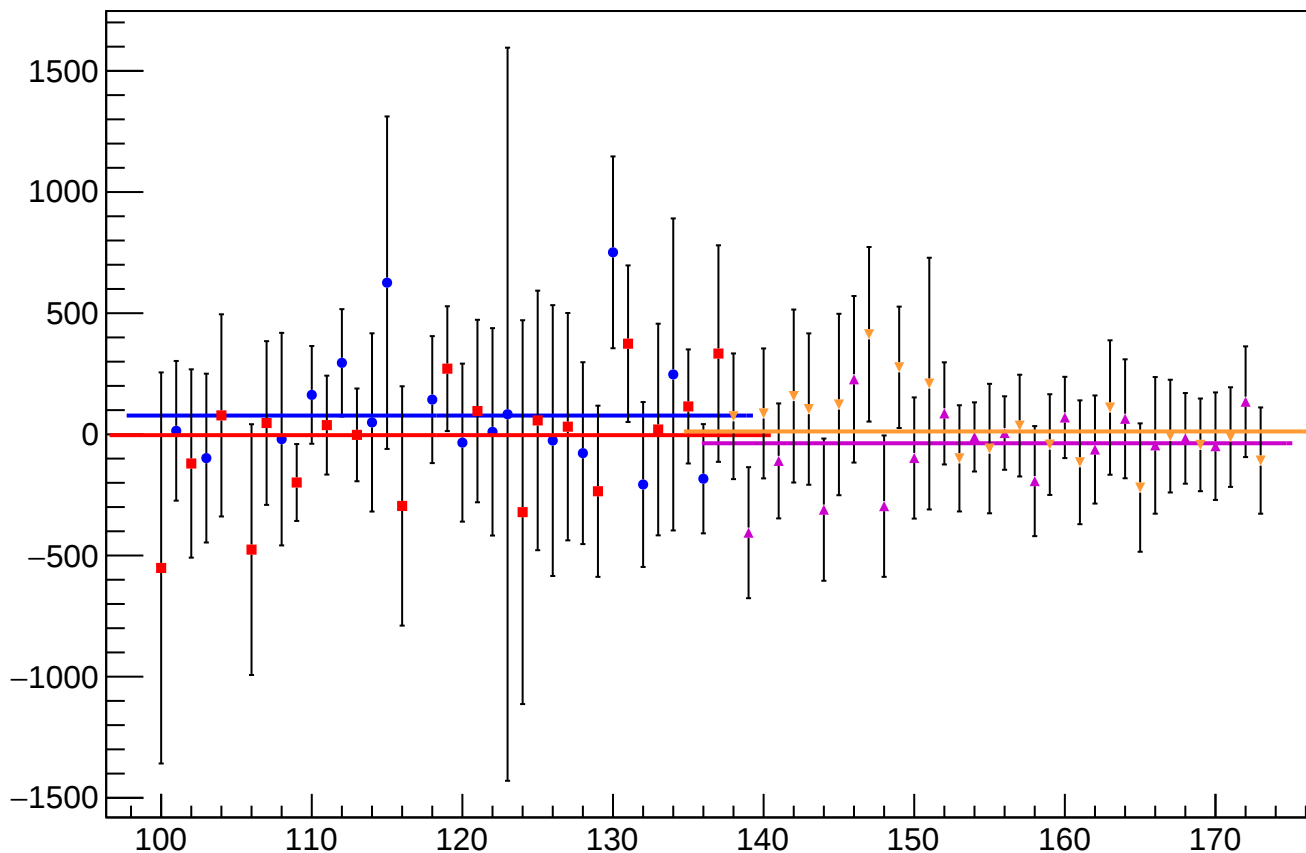
Left In: 10.708 ± 0.002 χ^2/NDF : 137834.6/16

+ sign 10.695 ± 0.002 χ^2/NDF : 281874.4/35

All: 10.709 ± 0.001 χ^2/NDF : 596898.0/71

- sign 10.723 ± 0.002 χ^2/NDF : 314884.0/35

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

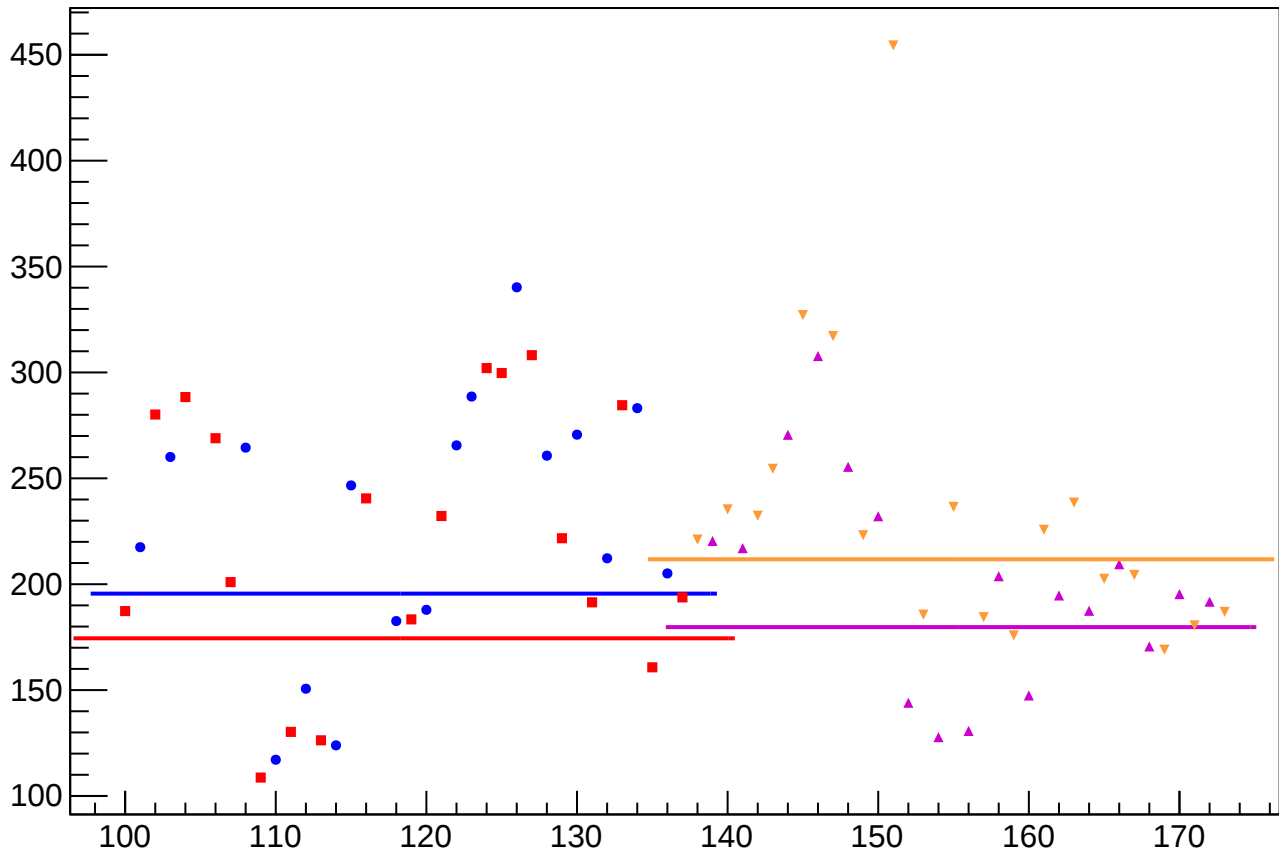
Left In: -36.738 $\pm$ 52.227 χ^2 /NDF: 6.4/16

+ sign 34.806 $\pm$ 47.031 χ^2 /NDF: 12.9/35

All: 1.580 $\pm$ 31.343 χ^2 /NDF: 27.7/71

- sign -24.968 $\pm$ 42.040 χ^2 /NDF: 13.9/35

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

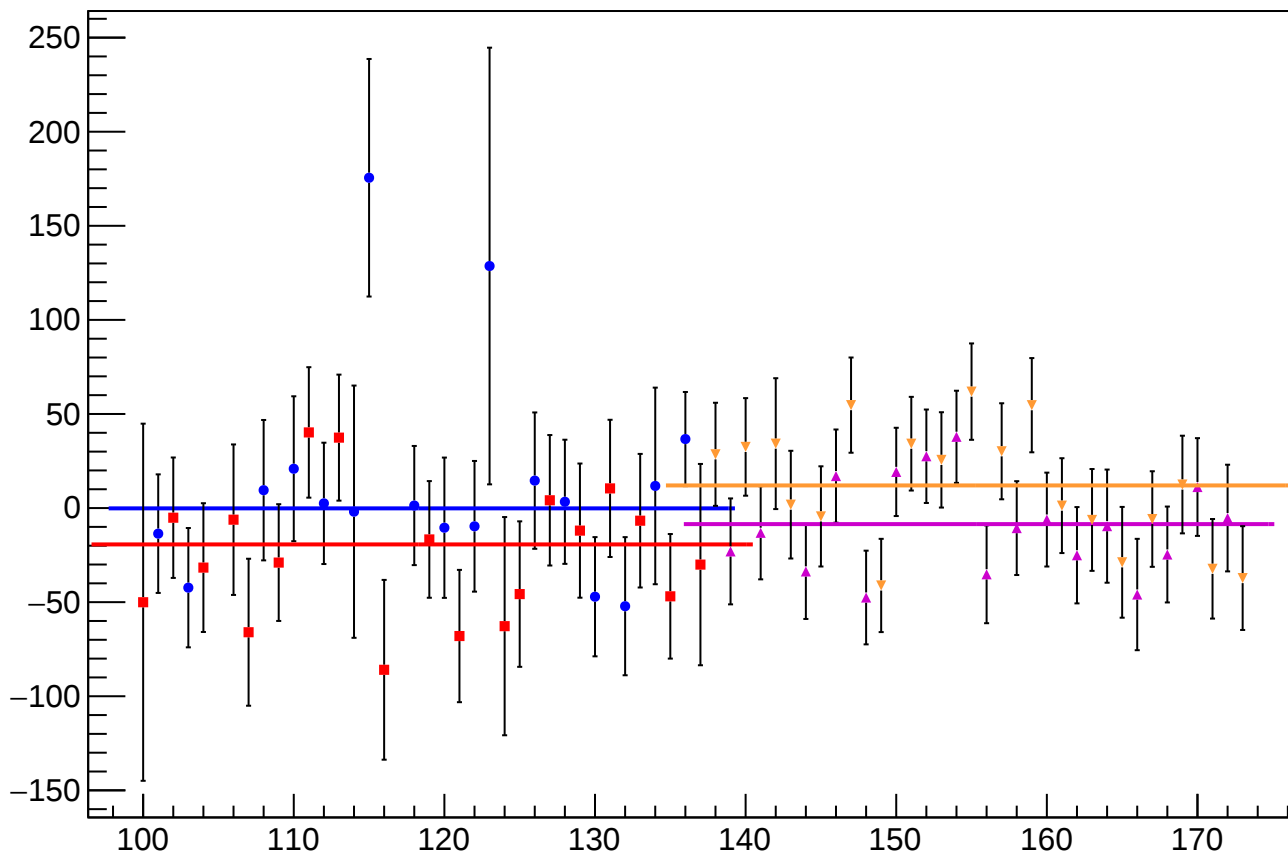
Left In: 179.746 $\pm$ 0.037 χ^2 /NDF: 1467305.6/16

+ sign 206.130 $\pm$ 0.033 χ^2 /NDF: 2237487.0/35

All: 190.428 $\pm$ 0.022 χ^2 /NDF: 5641747.3/71

- sign 177.881 $\pm$ 0.030 χ^2 /NDF: 3003175.9/35

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

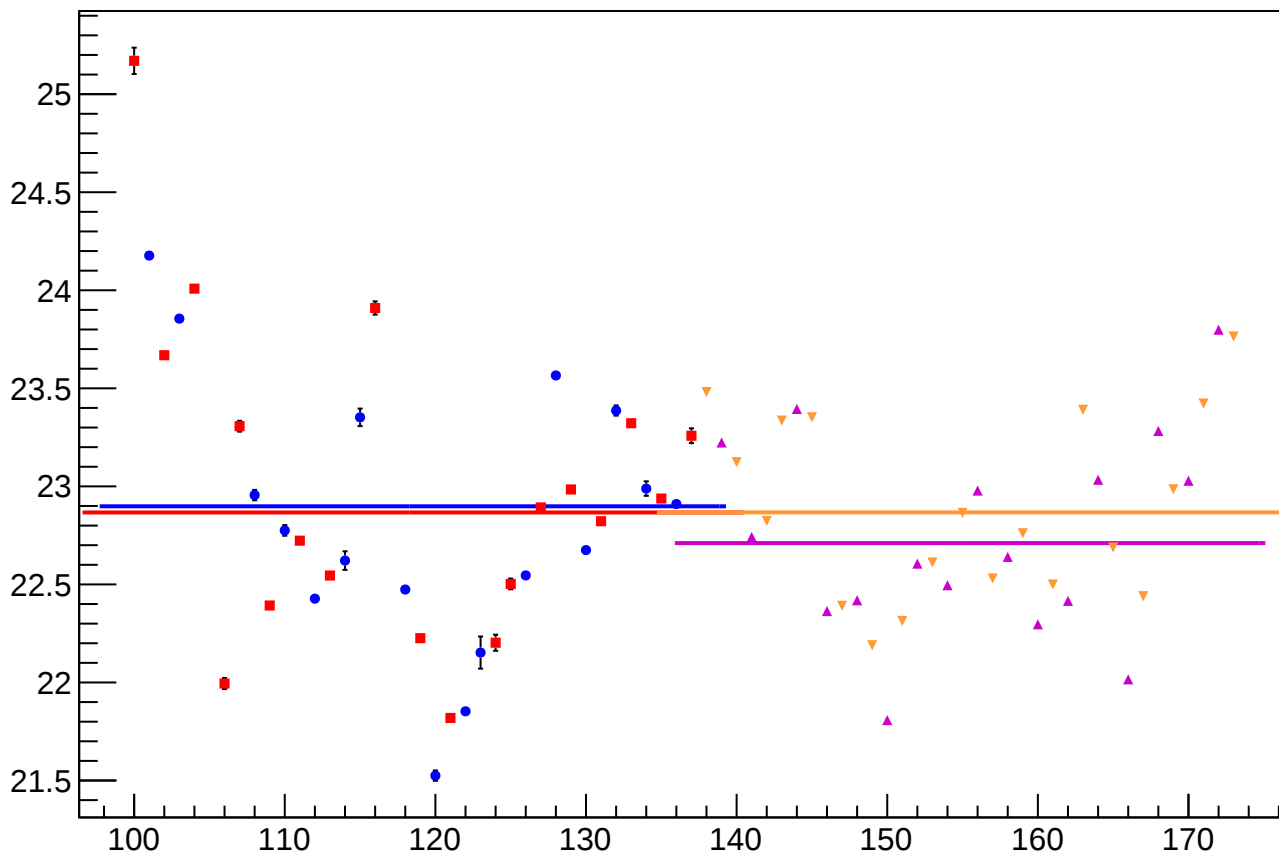
Left In: -8.526 ± 6.256 χ^2/NDF : 16.0/16

+ sign 8.119 ± 4.999 χ^2/NDF : 46.0/35

All: -1.982 ± 3.553 χ^2/NDF : 86.1/71

- sign -12.286 ± 5.049 χ^2/NDF : 31.8/35

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

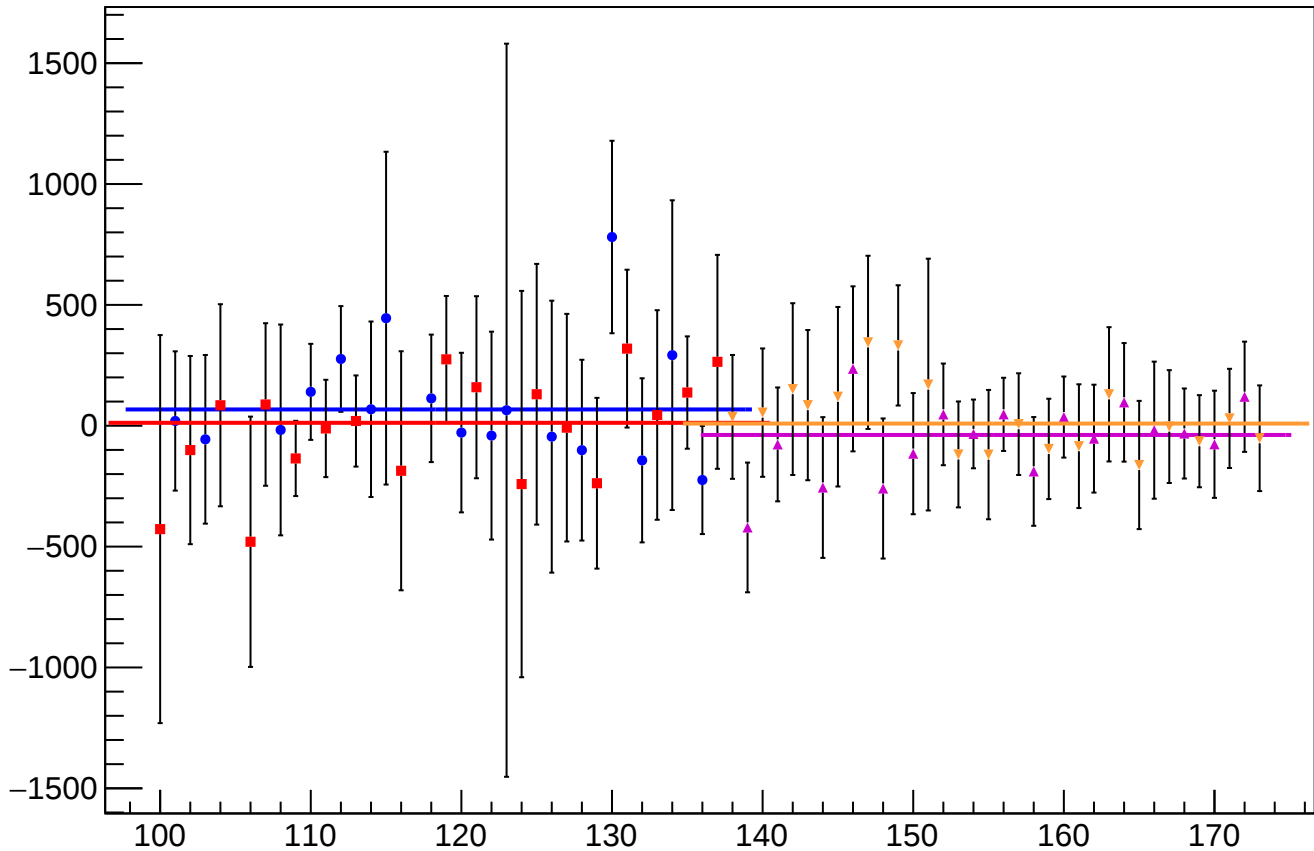
Left In: 22.711 $\pm$ 0.004 χ^2 /NDF: 12585.7/16

+ sign 22.877 $\pm$ 0.004 χ^2 /NDF: 23197.6/35

All: 22.822 $\pm$ 0.003 χ^2 /NDF: 47763.2/71

- sign 22.765 $\pm$ 0.004 χ^2 /NDF: 24068.1/35

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

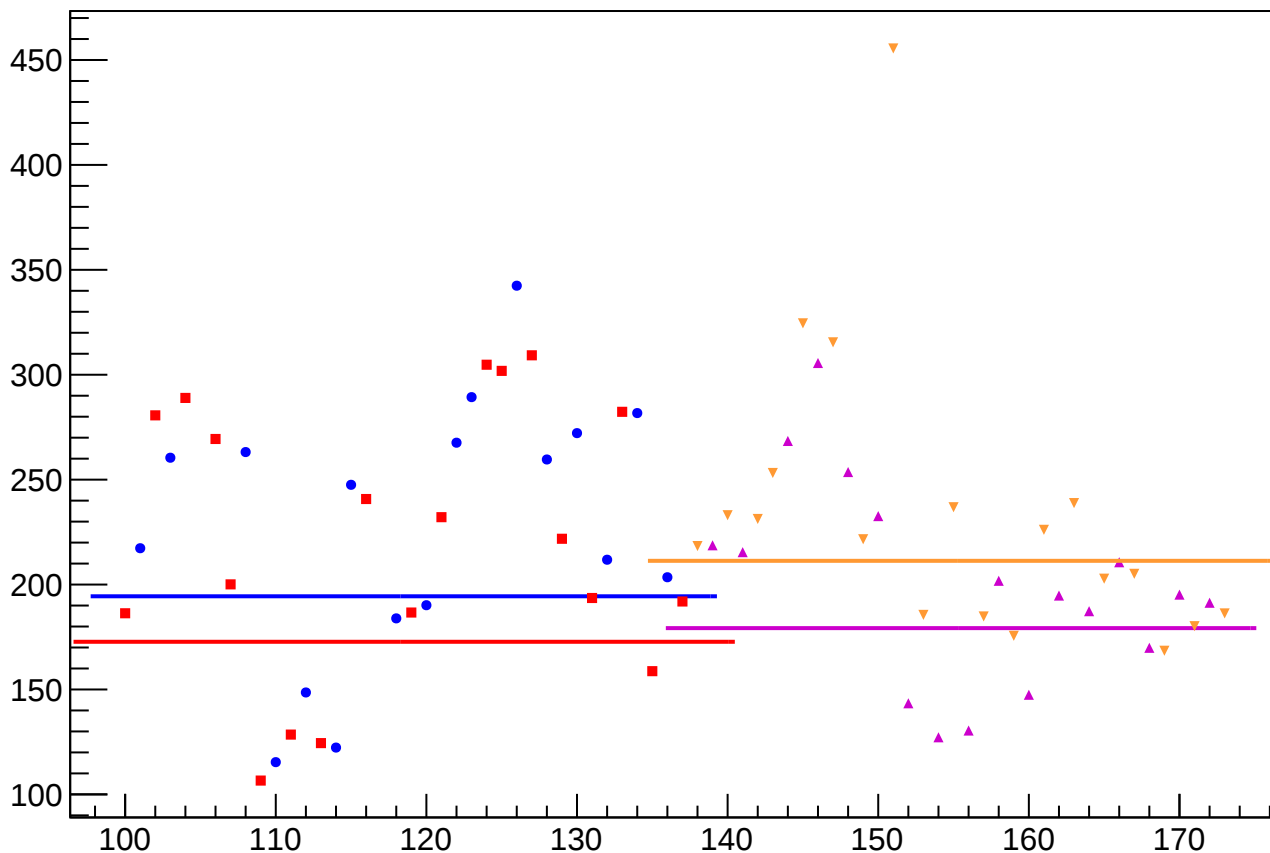
Left In: -38.087 $\pm$ 52.081 χ^2 /NDF: 5.9/16

+ sign 29.377 $\pm$ 46.893 χ^2 /NDF: 12.6/35

All: 1.722 $\pm$ 31.228 χ^2 /NDF: 25.2/71

- sign -20.315 $\pm$ 41.860 χ^2 /NDF: 12.0/35

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

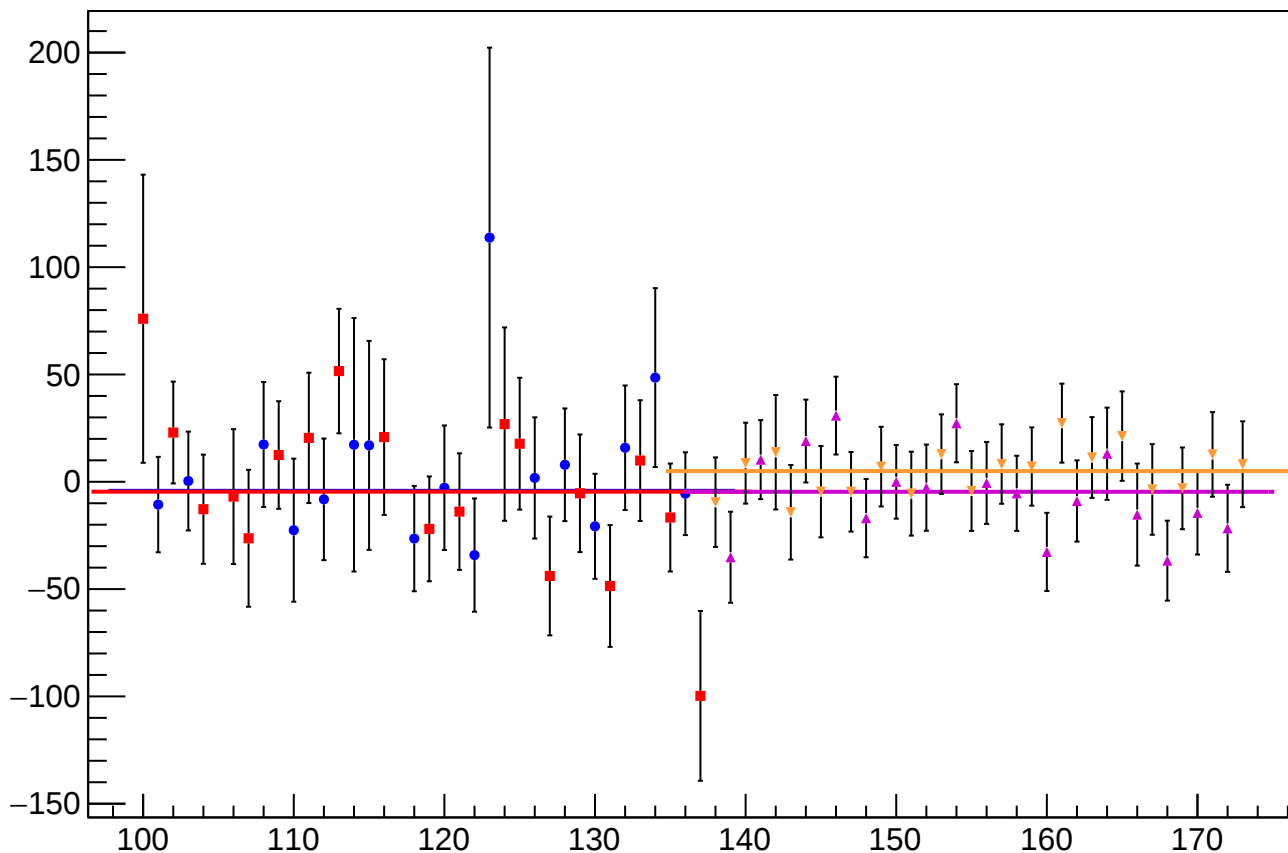
Left In: 179.240 $\pm$ 0.037 χ^2 /NDF: 1457628.7/16

+ sign 205.418 $\pm$ 0.033 χ^2 /NDF: 2274430.8/35

All: 189.567 $\pm$ 0.022 χ^2 /NDF: 5750520.6/71

- sign 176.936 $\pm$ 0.030 χ^2 /NDF: 3065448.3/35

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

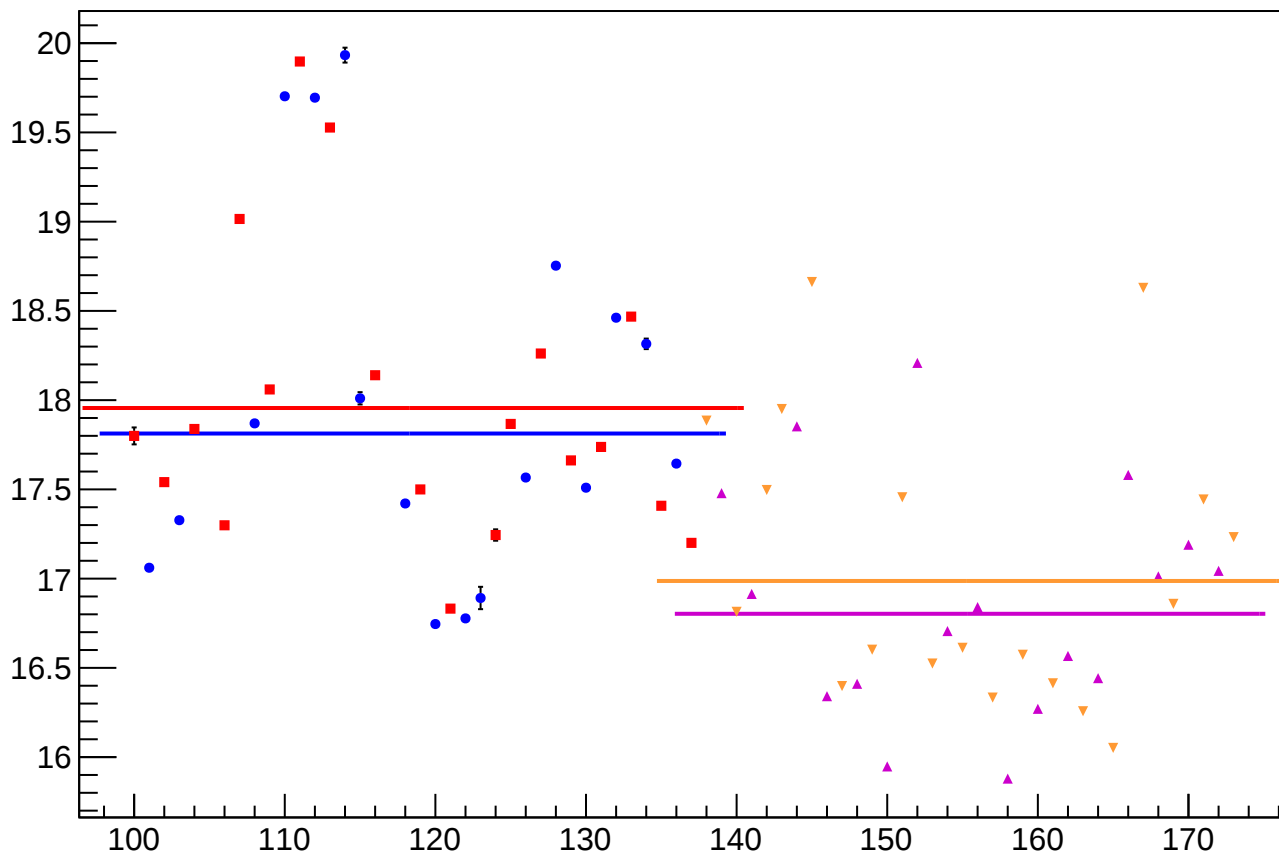
Left In: -4.655 ± 4.636 χ^2/NDF : 19.0/16

+ sign 2.207 ± 3.773 χ^2/NDF : 14.6/35

All: -1.175 ± 2.683 χ^2/NDF : 56.3/71

- sign -4.637 ± 3.817 χ^2/NDF : 40.0/35

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

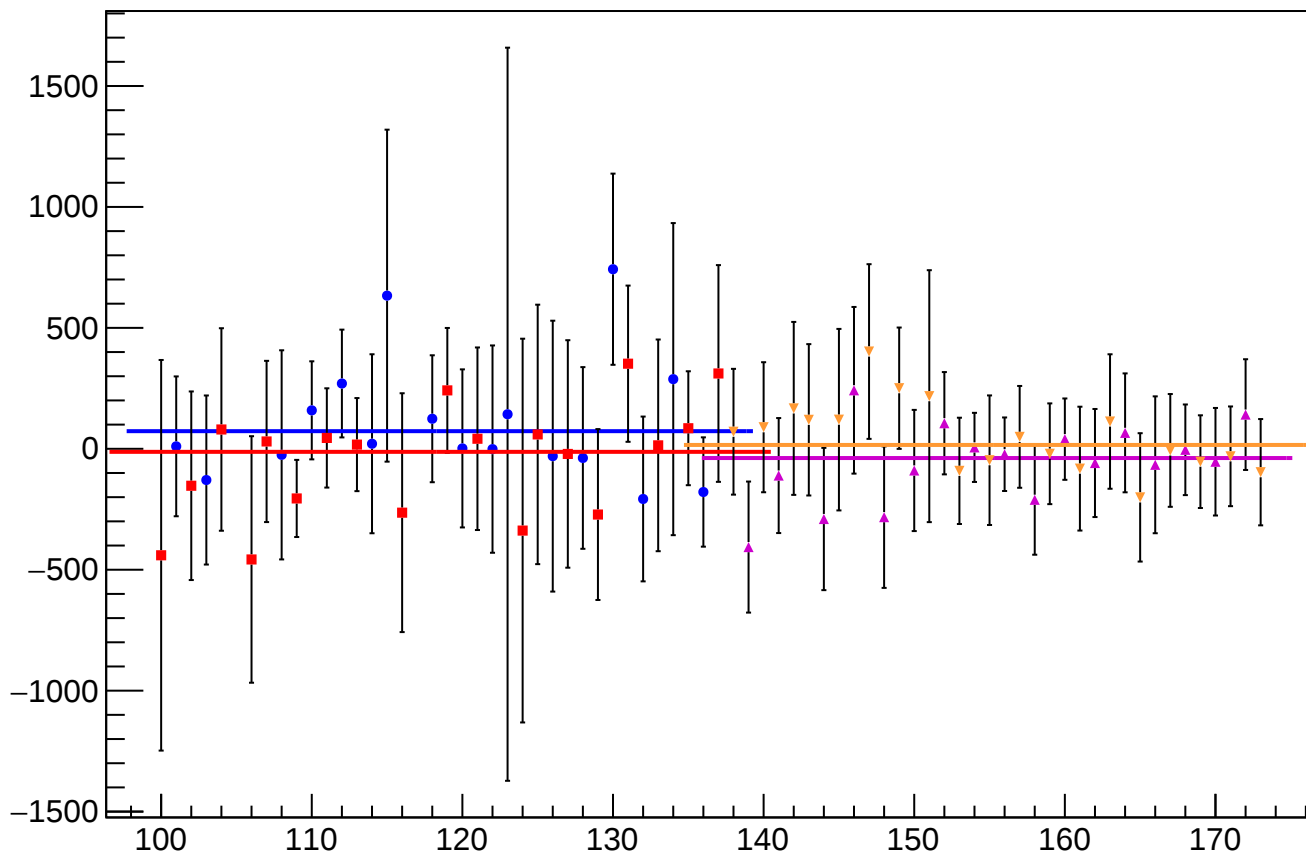
Left In: 16.803+/-0.003 χ^2/NDF : 36699.6/16

+ sign 17.236+/-0.003 χ^2/NDF : 105171.9/35

All: 17.206+/-0.002 χ^2/NDF : 207423.9/71

- sign 17.174+/-0.003 χ^2/NDF : 101989.7/35

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

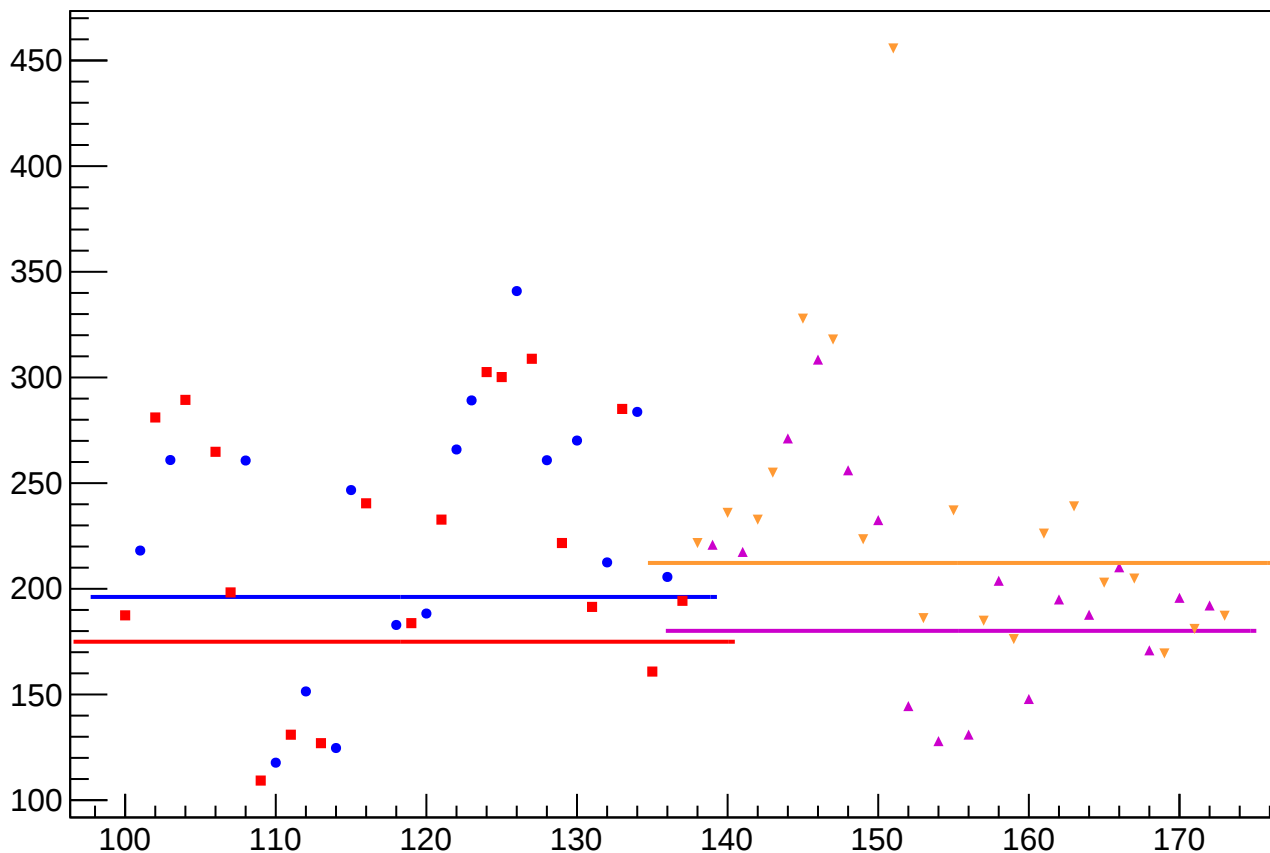
Left In: -38.207 $\pm$ 52.333 χ^2 /NDF: 6.3/16

+ sign 35.729 $\pm$ 47.140 χ^2 /NDF: 11.9/35

All: -0.359 $\pm$ 31.412 χ^2 /NDF: 26.1/71

- sign -29.182 $\pm$ 42.129 χ^2 /NDF: 13.1/35

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

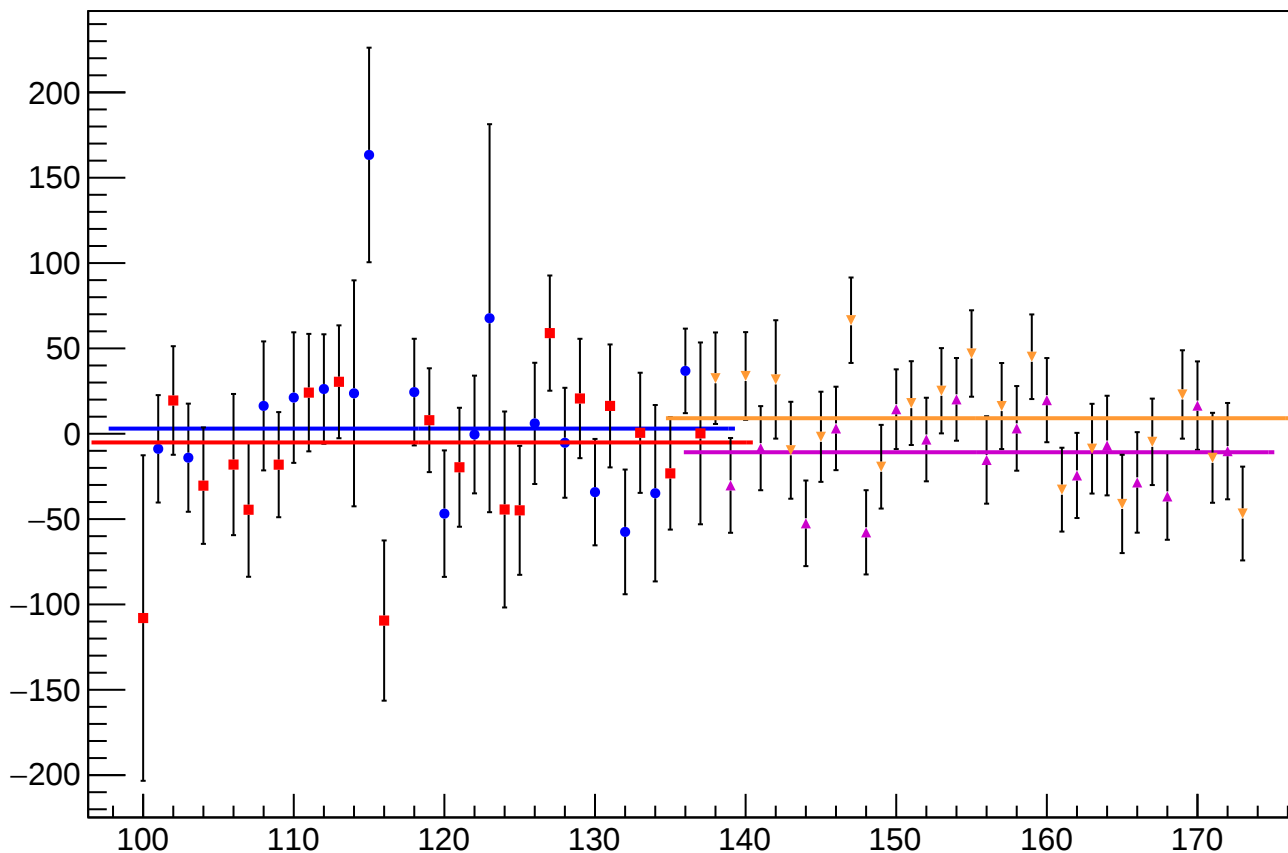
Left In: 180.109 $\pm$ 0.037 χ^2 /NDF:1467057.3/16

+ sign 206.646 $\pm$ 0.033 χ^2 /NDF: 2221627.3/35

All: 190.886 $\pm$ 0.022 χ^2 /NDF: 5608520.7/71

- sign 178.299 $\pm$ 0.030 χ^2 /NDF: 2984816.4/35

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.022 ± 8.751 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 9.100 ± 5.995 $\chi^2/\text{NDF}: 26.2/18$

Right Out: -5.092 ± 8.477 $\chi^2/\text{NDF}: 17.2/18$

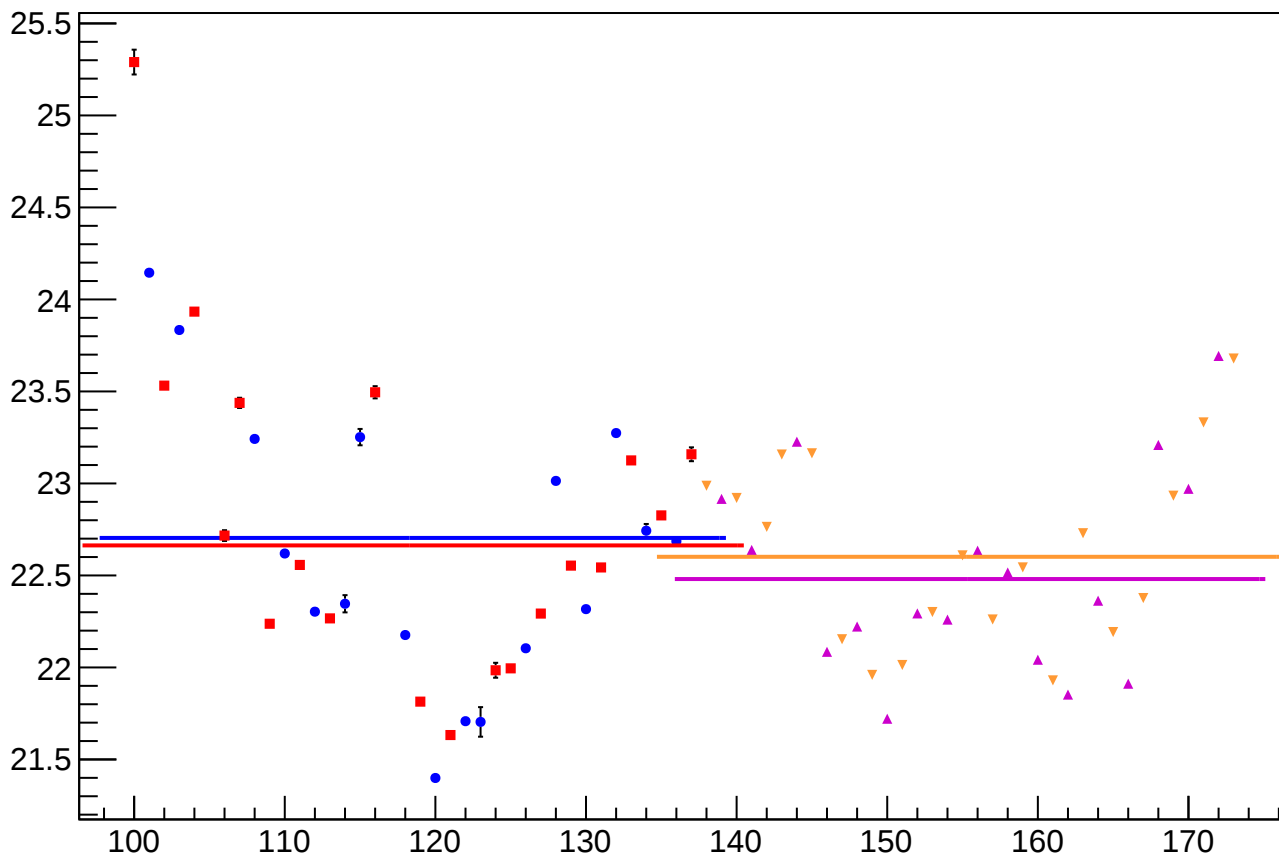
Left In: -10.830 ± 6.192 $\chi^2/\text{NDF}: 14.8/16$

+ sign 7.159 ± 4.946 $\chi^2/\text{NDF}: 43.7/35$

All: -0.750 ± 3.516 $\chi^2/\text{NDF}: 81.2/71$

- sign -8.834 ± 5.000 $\chi^2/\text{NDF}: 32.3/35$

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

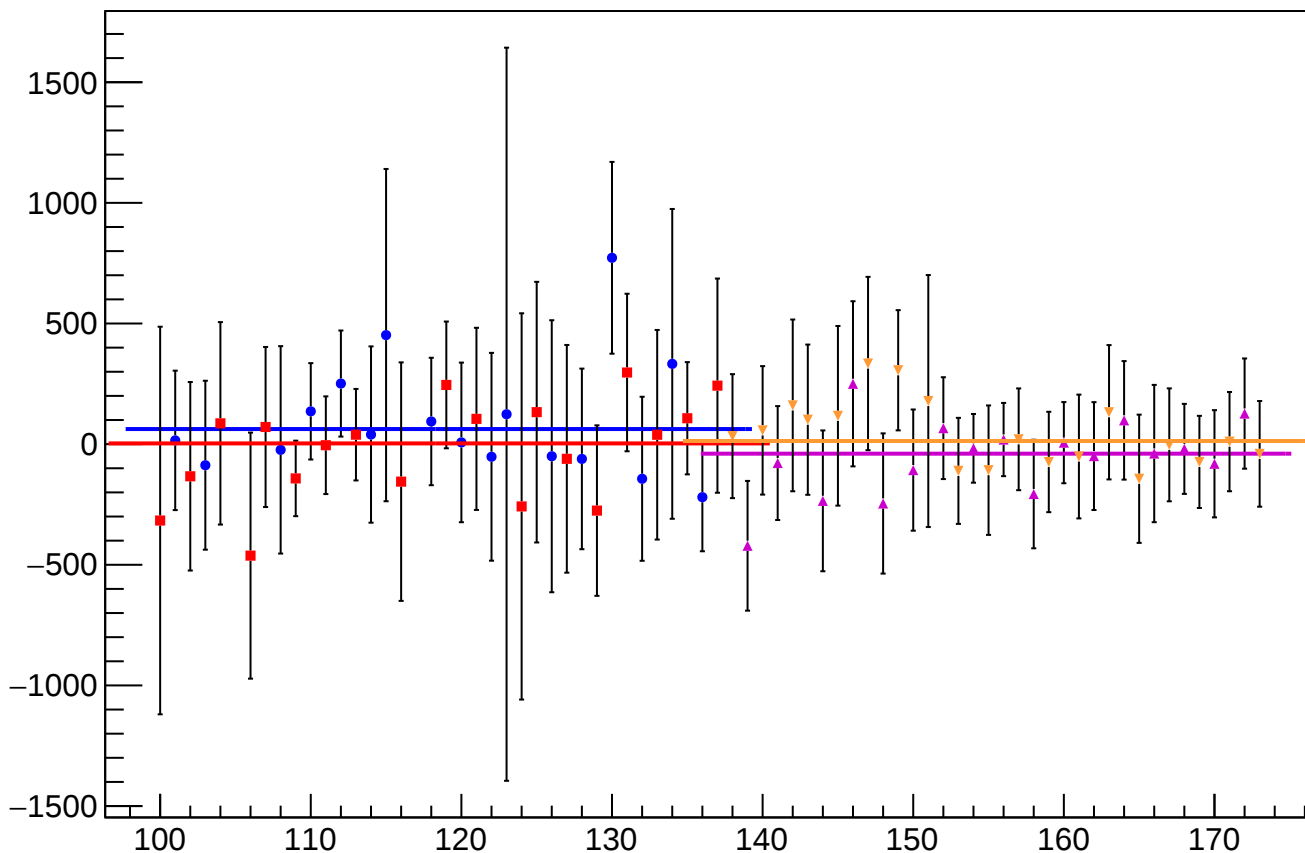
Left In: 22.480 $\pm$ 0.004 χ^2 /NDF:14293.1/16

+ sign 22.634 $\pm$ 0.003 χ^2 /NDF: 27603.8/35

All: 22.590 $\pm$ 0.002 χ^2 /NDF: 55774.2/71

- sign 22.544 $\pm$ 0.004 χ^2 /NDF: 27842.4/35

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

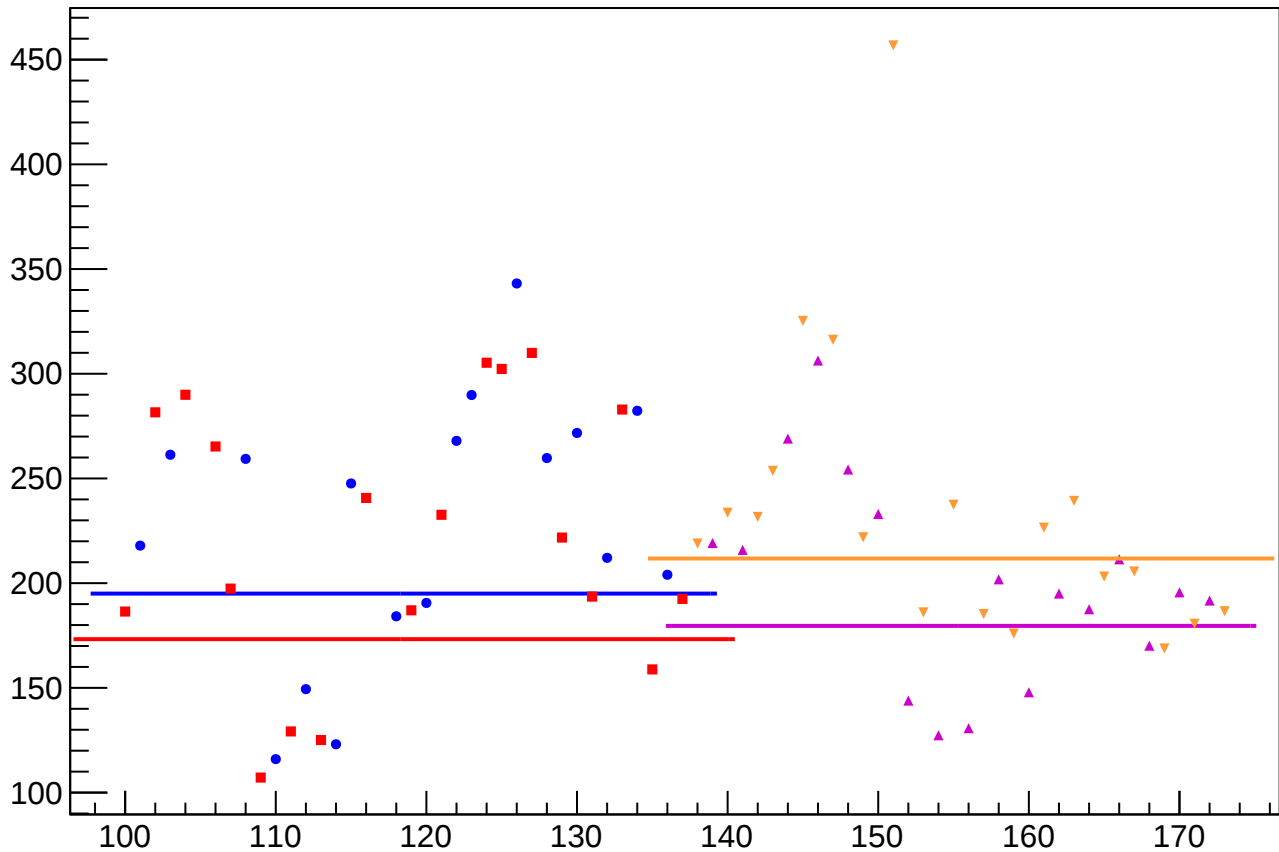
Left In: -39.495+/-52.187 χ^2/NDF : 5.7/16

+ sign 30.268+/-47.002 χ^2/NDF : 11.5/35

All: -0.186+/-31.297 χ^2/NDF : 23.4/71

- sign -24.444+/-41.949 χ^2/NDF : 11.2/35

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

+ sign 205.938 $\pm$ 0.033 χ^2 /NDF: 2257732.5/35

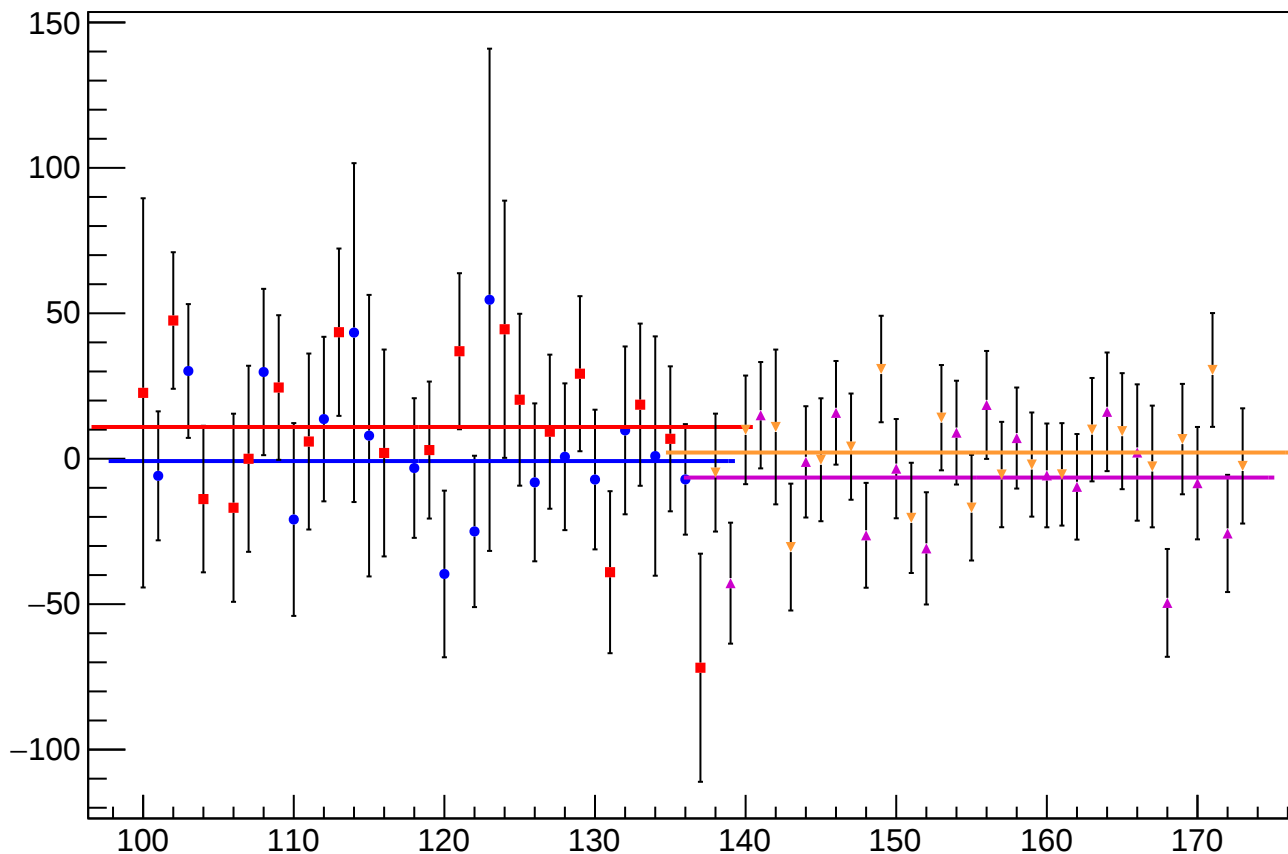
Right Out: 173.262 $\pm$ 0.050 χ^2 /NDF: 1578202.7/18

All: 190.030 $\pm$ 0.022 χ^2 /NDF: 5715442.4/71

Left In: 179.602 $\pm$ 0.037 χ^2 /NDF: 1457474.6/16

- sign 177.358 $\pm$ 0.030 χ^2 /NDF: 3046124.3/35

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

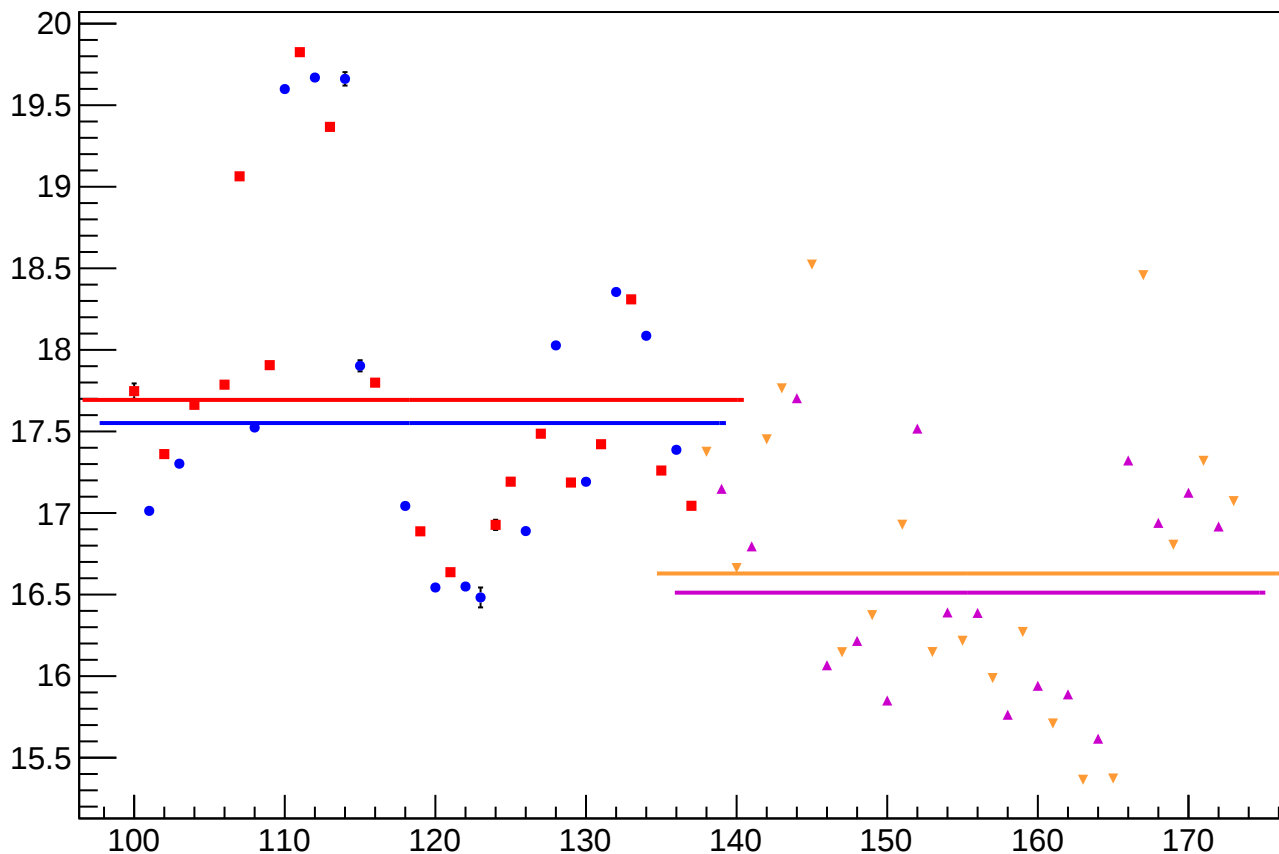
Left In: -6.476 ± 4.555 χ^2/NDF : 19.8/16

+ sign 1.254 ± 3.701 χ^2/NDF : 18.9/35

All: 0.194 ± 2.635 χ^2/NDF : 59.5/71

- sign -0.896 ± 3.754 χ^2/NDF : 40.4/35

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

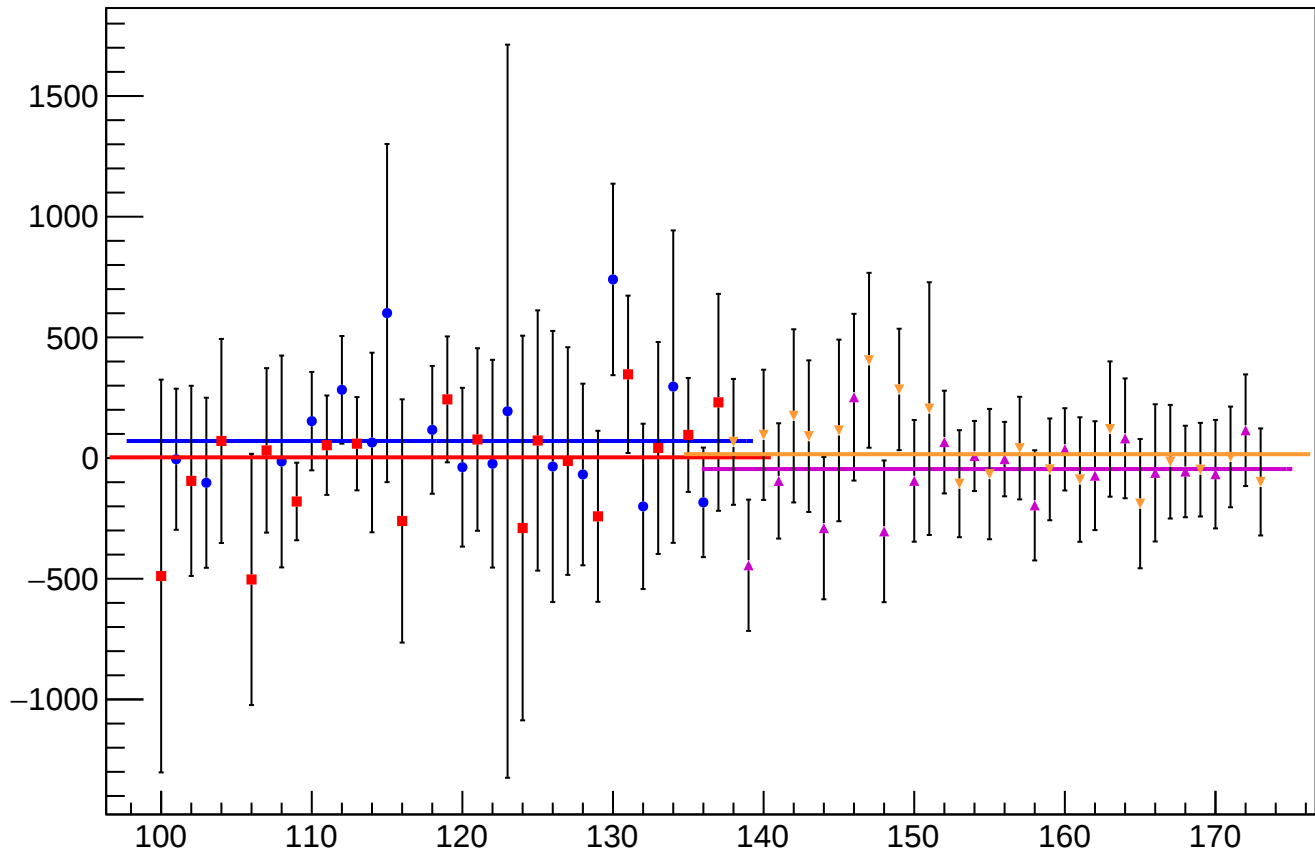
Left In: 16.512 $\pm$ 0.003 χ^2/NDF : 38779.3/16

+ sign 16.905 $\pm$ 0.003 χ^2/NDF : 136655.6/35

All: 16.898 $\pm$ 0.002 χ^2/NDF : 249383.7/71

- sign 16.891 $\pm$ 0.003 χ^2/NDF : 112714.1/35

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

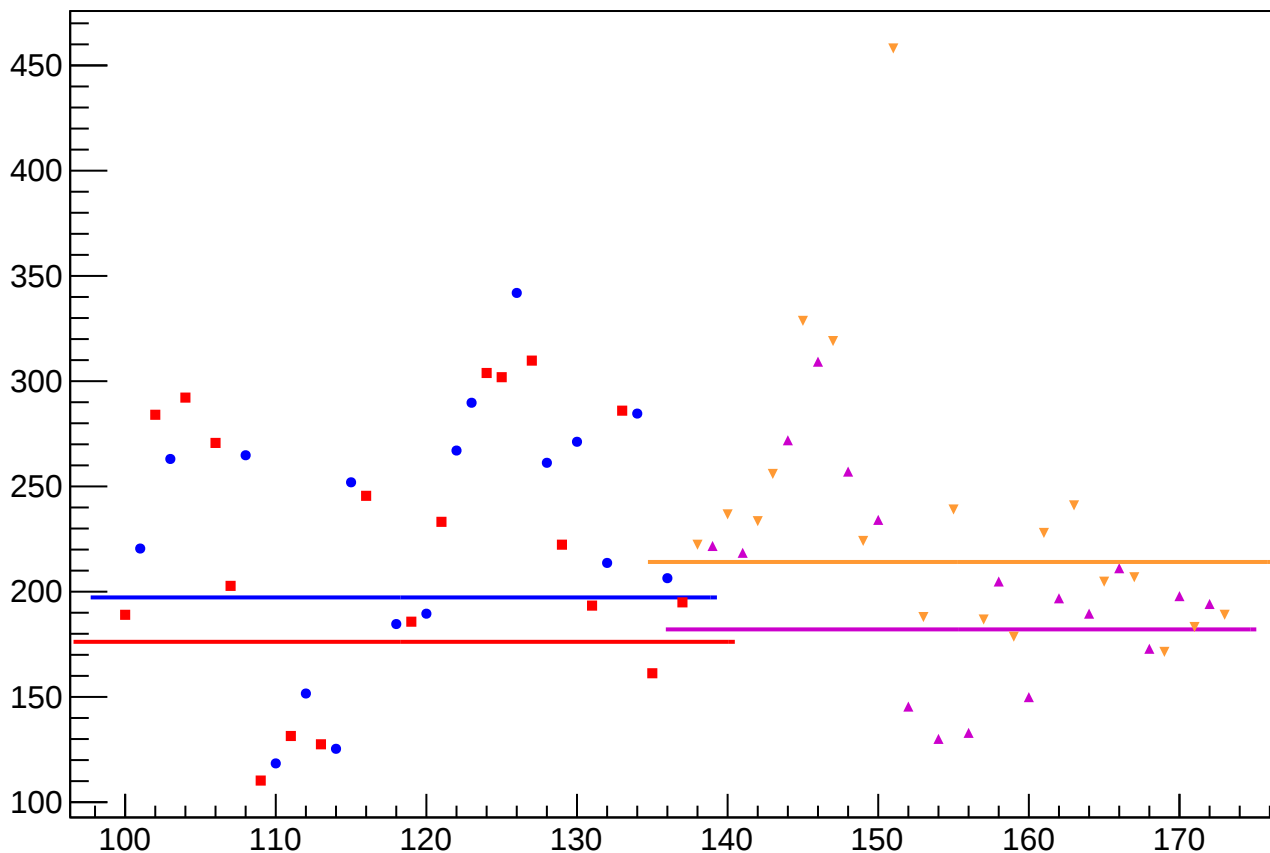
Left In: -45.488 $\pm$ 52.851 χ^2 /NDF: 6.4/16

+ sign 35.057 $\pm$ 47.486 χ^2 /NDF: 12.2/35

All: -0.139 $\pm$ 31.670 χ^2 /NDF: 26.0/71

- sign -28.335 $\pm$ 42.502 χ^2 /NDF: 12.8/35

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

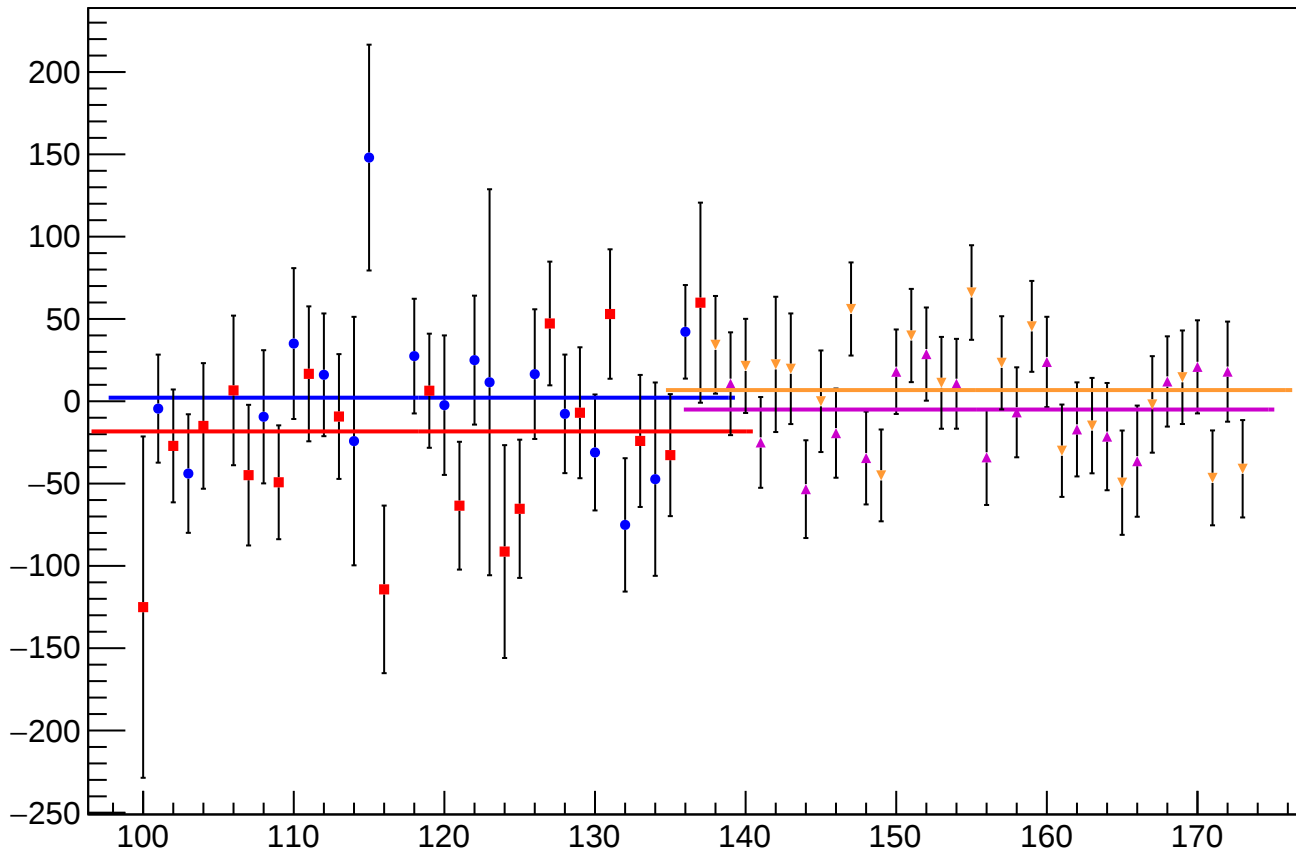
Left In: 182.082 $\pm$ 0.037 χ^2 /NDF:1422758.9/16

+ sign 208.242 $\pm$ 0.034 χ^2 /NDF: 2204189.5/35

All: 192.560 $\pm$ 0.022 χ^2 /NDF: 5548315.7/71

- sign 179.997 $\pm$ 0.030 χ^2 /NDF: 2951276.6/35

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

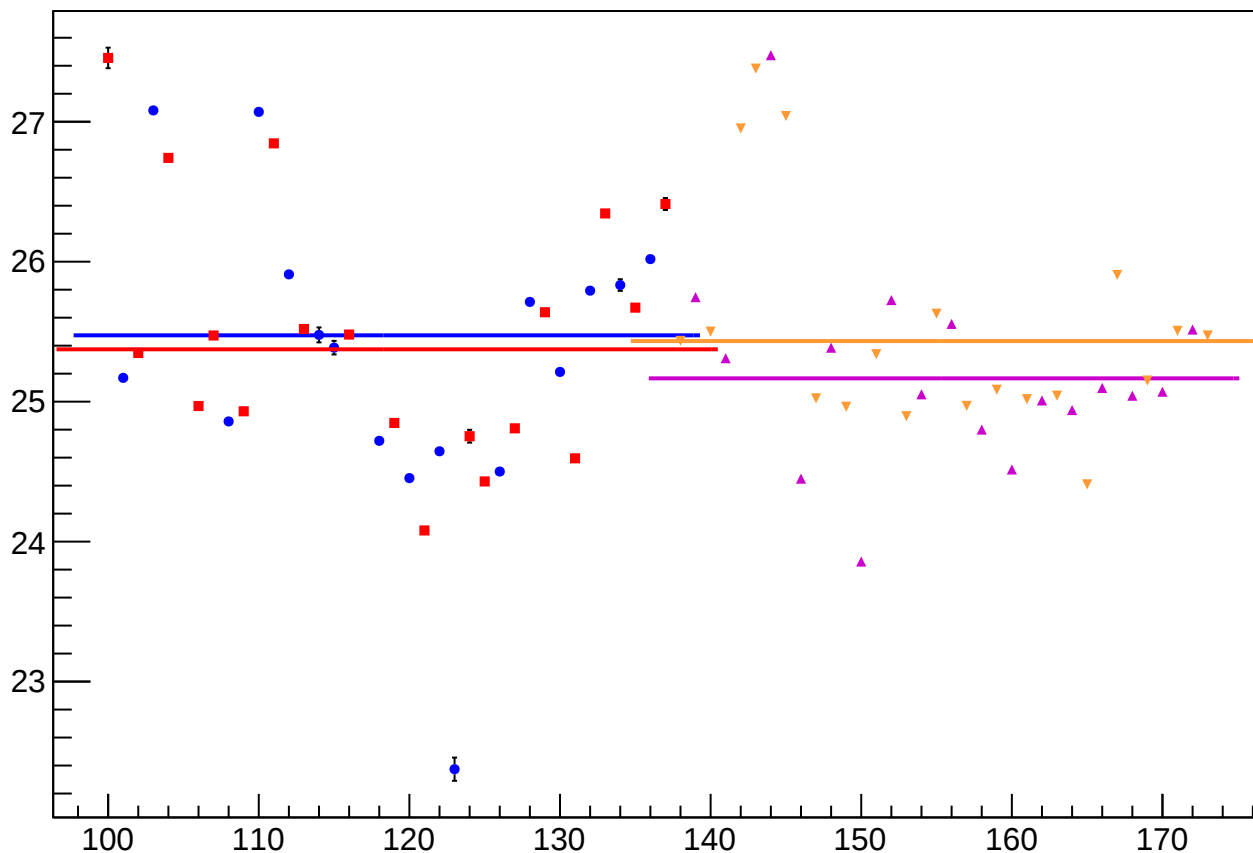
Left In: -5.020 ± 6.939 χ^2/NDF : 12.6/16

+ sign 5.314 ± 5.565 χ^2/NDF : 43.1/35

All: -2.116 ± 3.948 χ^2/NDF : 80.1/71

- sign -9.649 ± 5.603 χ^2/NDF : 33.4/35

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474 $\pm$ 0.007 χ^2 /NDF: 14061.2/16

Left Out: 25.433 $\pm$ 0.005 χ^2 /NDF: 21207.4/18

Right Out: 25.374 $\pm$ 0.007 χ^2 /NDF: 13581.2/18

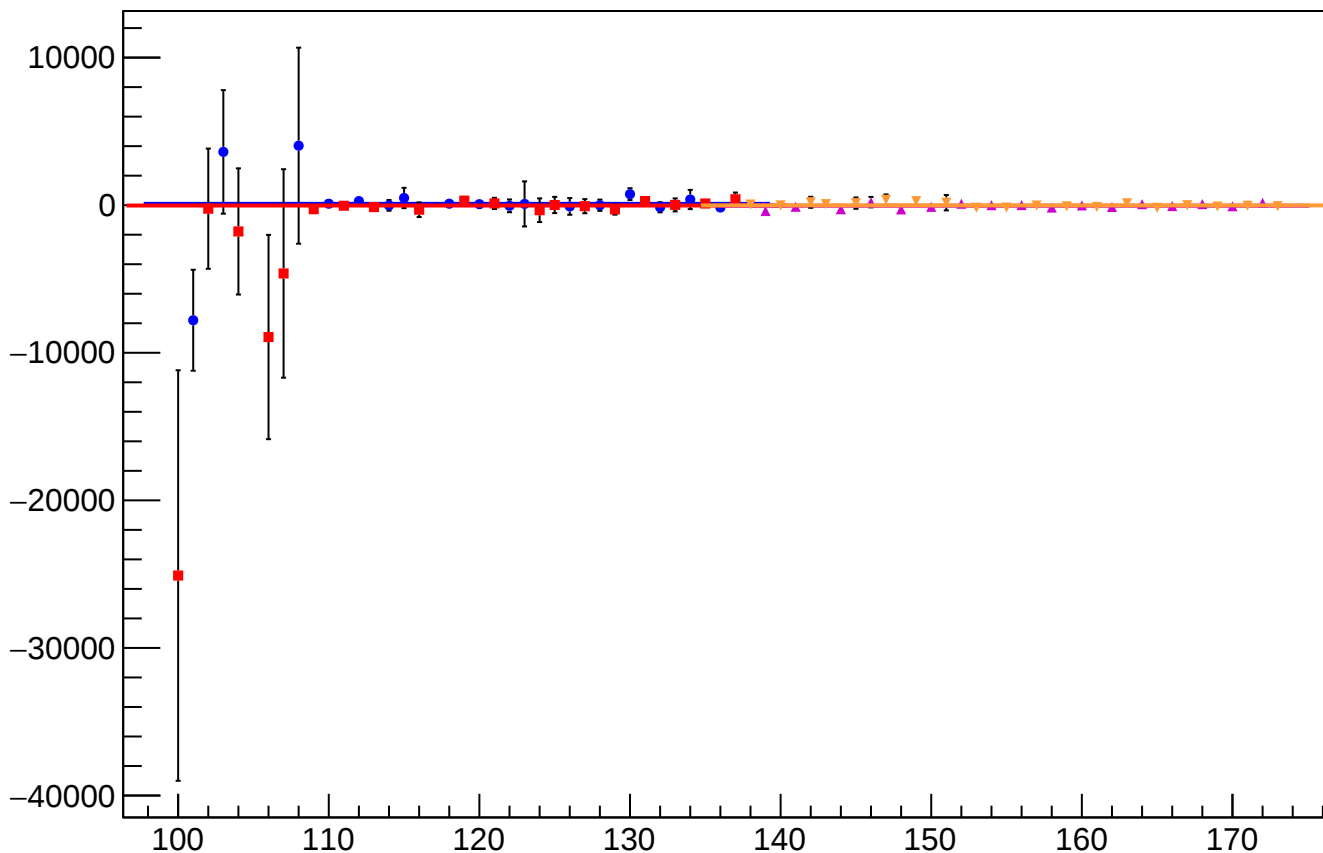
Left In: 25.166 $\pm$ 0.005 χ^2 /NDF: 22710.7/16

+ sign 25.446 $\pm$ 0.004 χ^2 /NDF: 35292.3/35

All: 25.343 $\pm$ 0.003 χ^2 /NDF: 73587.3/71

- sign 25.239 $\pm$ 0.004 χ^2 /NDF: 36914.9/35

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

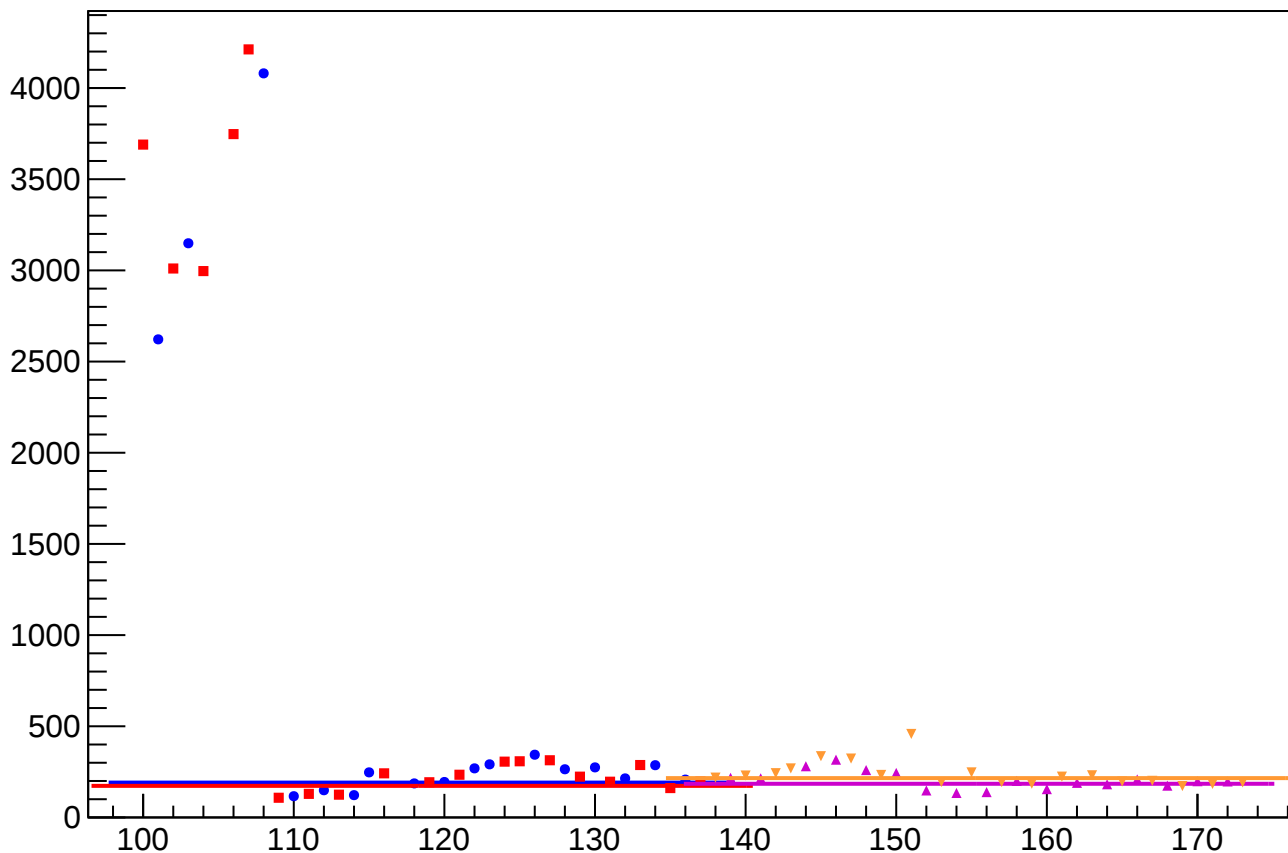
Left In: -37.359+/-53.471 χ^2/NDF : 6.0/16

+ sign 18.339+/-49.085 χ^2/NDF : 18.2/35

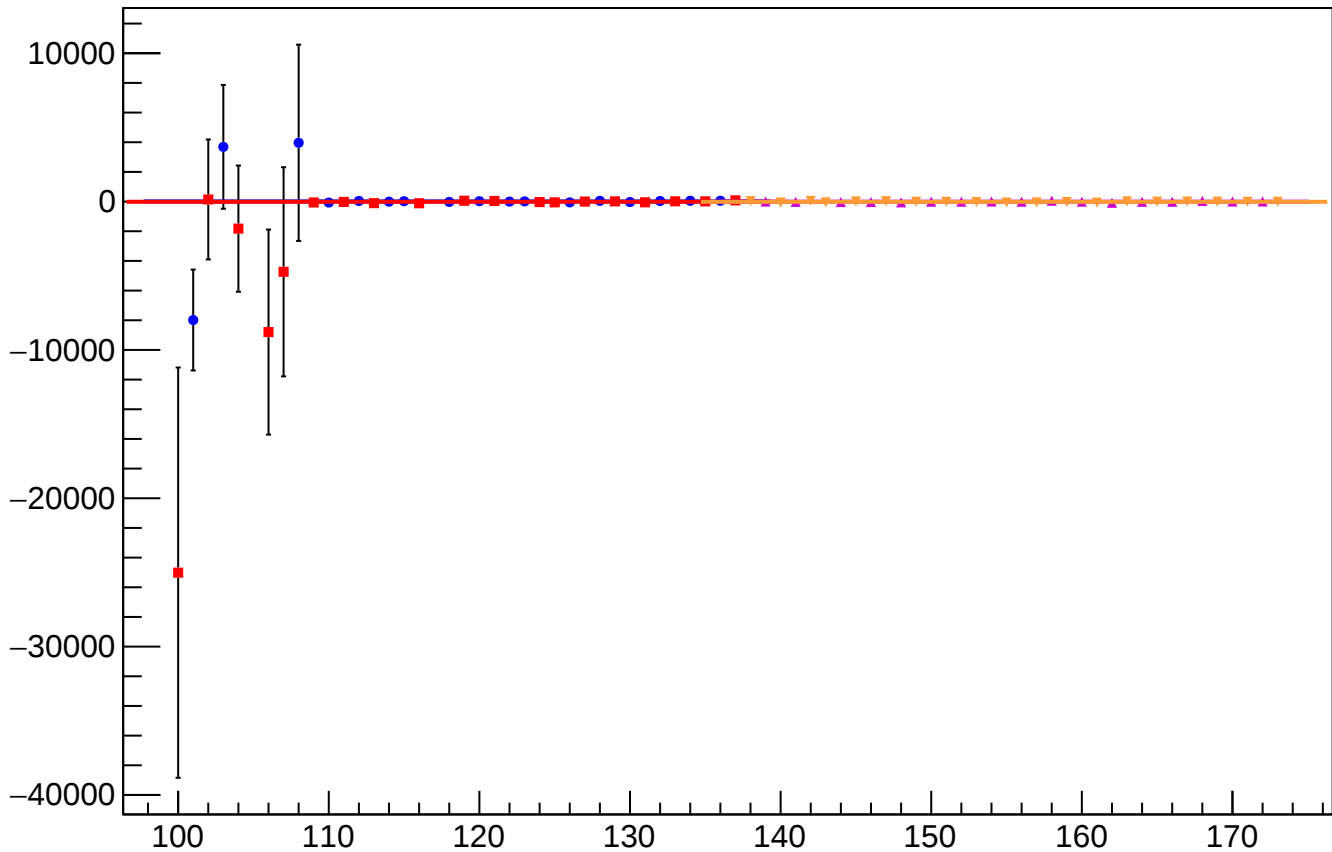
All: -9.710+/-33.012 χ^2/NDF : 36.7/71

- sign -32.876+/-44.608 χ^2/NDF : 18.0/35

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



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

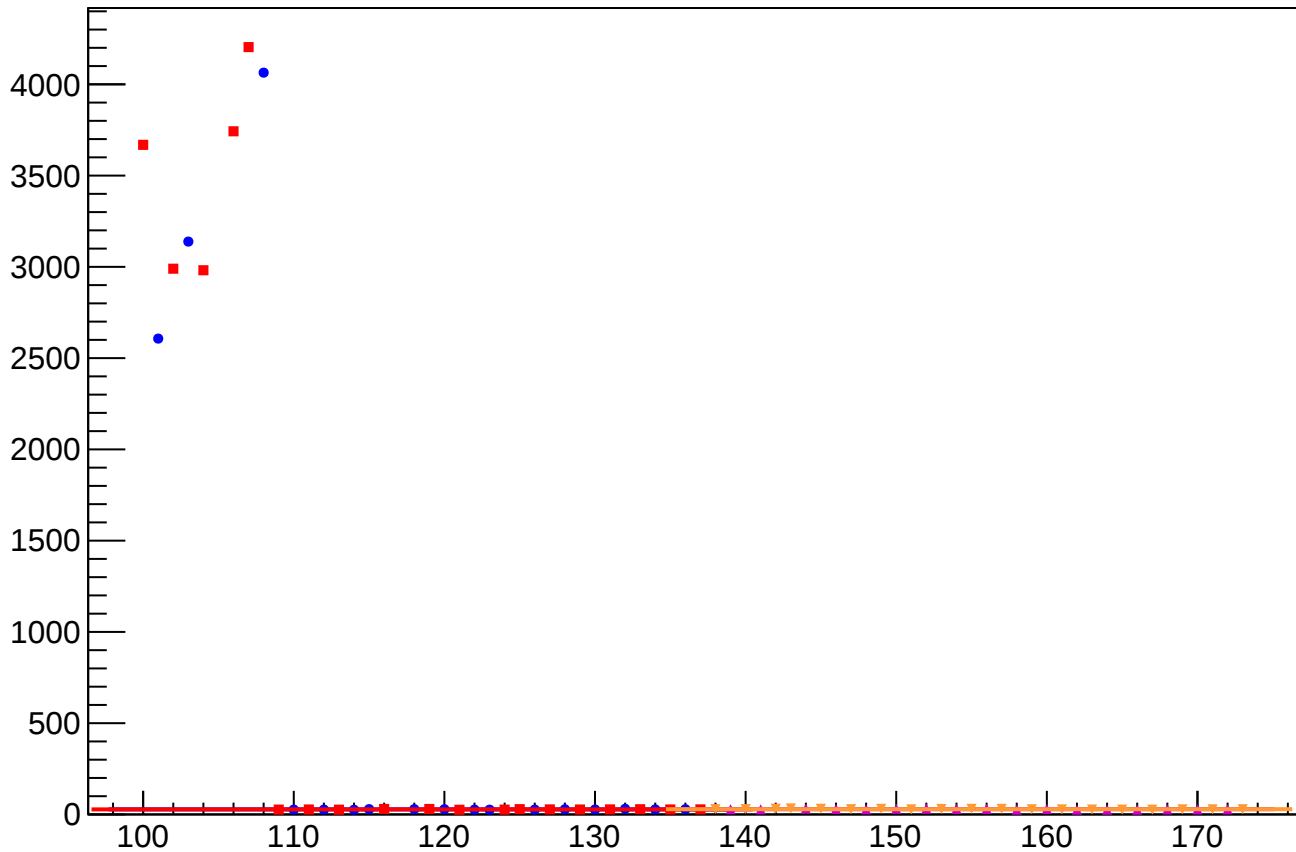
Left In: -6.653+/-7.964 χ^2/NDF : 17.7/16

+ sign -9.437+/-6.498 χ^2/NDF : 38.1/35

All: -8.995+/-4.656 χ^2/NDF : 80.5/71

- sign -8.528+/-6.673 χ^2/NDF : 42.3/35

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

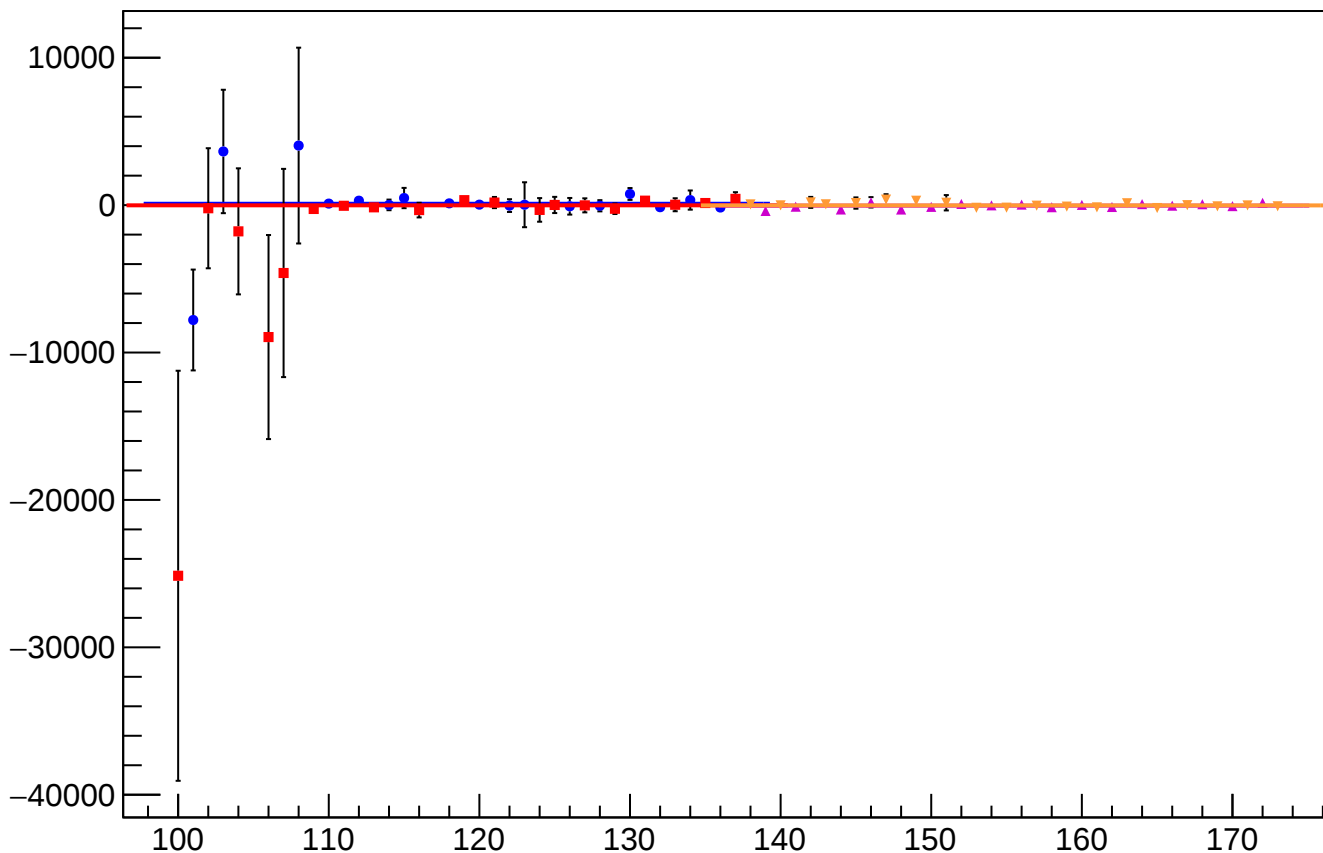
Left In: 28.811 $\pm$ 0.006 χ^2 /NDF: 111251.4/16

+ sign 28.577 $\pm$ 0.005 χ^2 /NDF: 3133770.2/35

All: 28.529 $\pm$ 0.003 χ^2 /NDF: 6733774.3/71

- sign 28.479 $\pm$ 0.005 χ^2 /NDF: 3599782.2/35

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

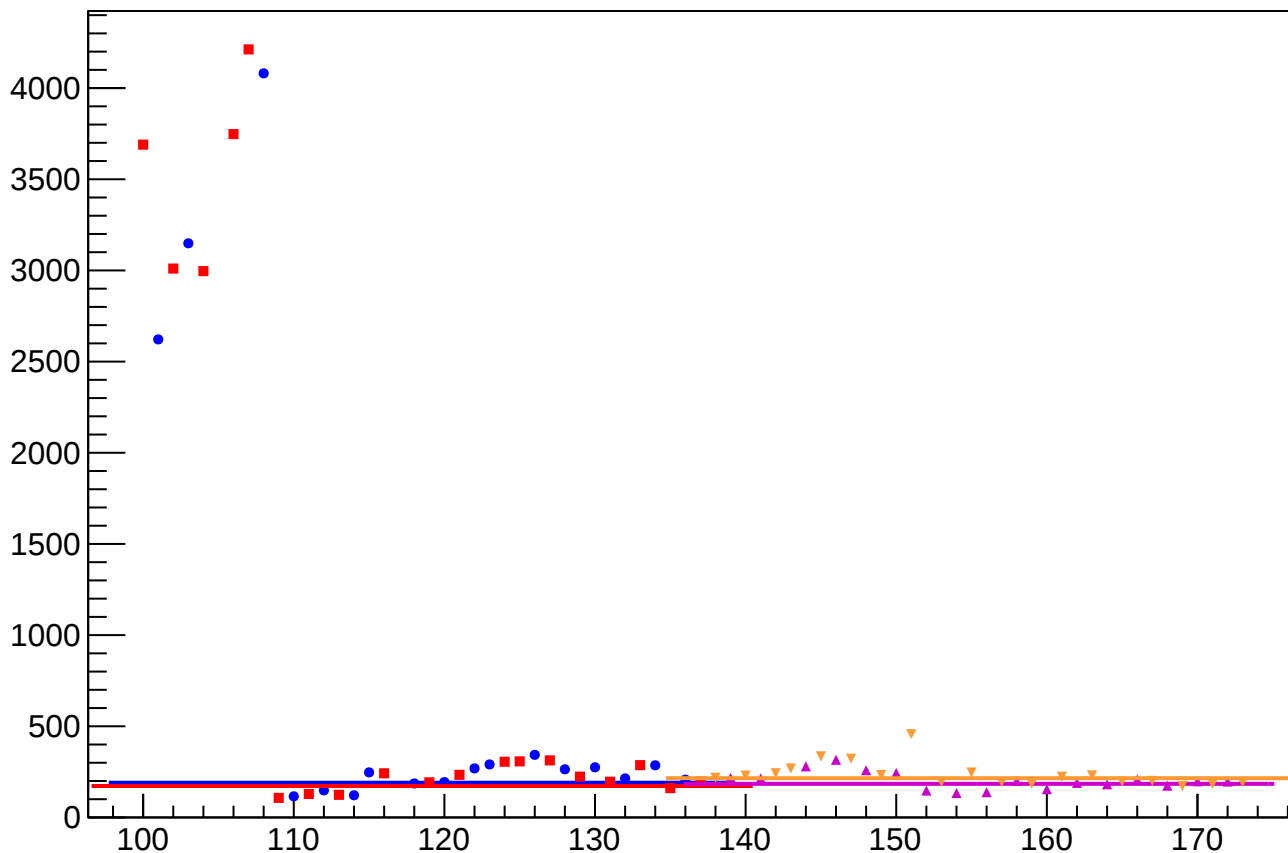
Left In: -36.034+/-53.367 χ^2/NDF : 6.1/16

+ sign 16.588+/-48.964 χ^2/NDF : 19.3/35

All: -8.349+/-32.933 χ^2/NDF : 38.5/71

- sign -28.949+/-44.504 χ^2/NDF : 18.8/35

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

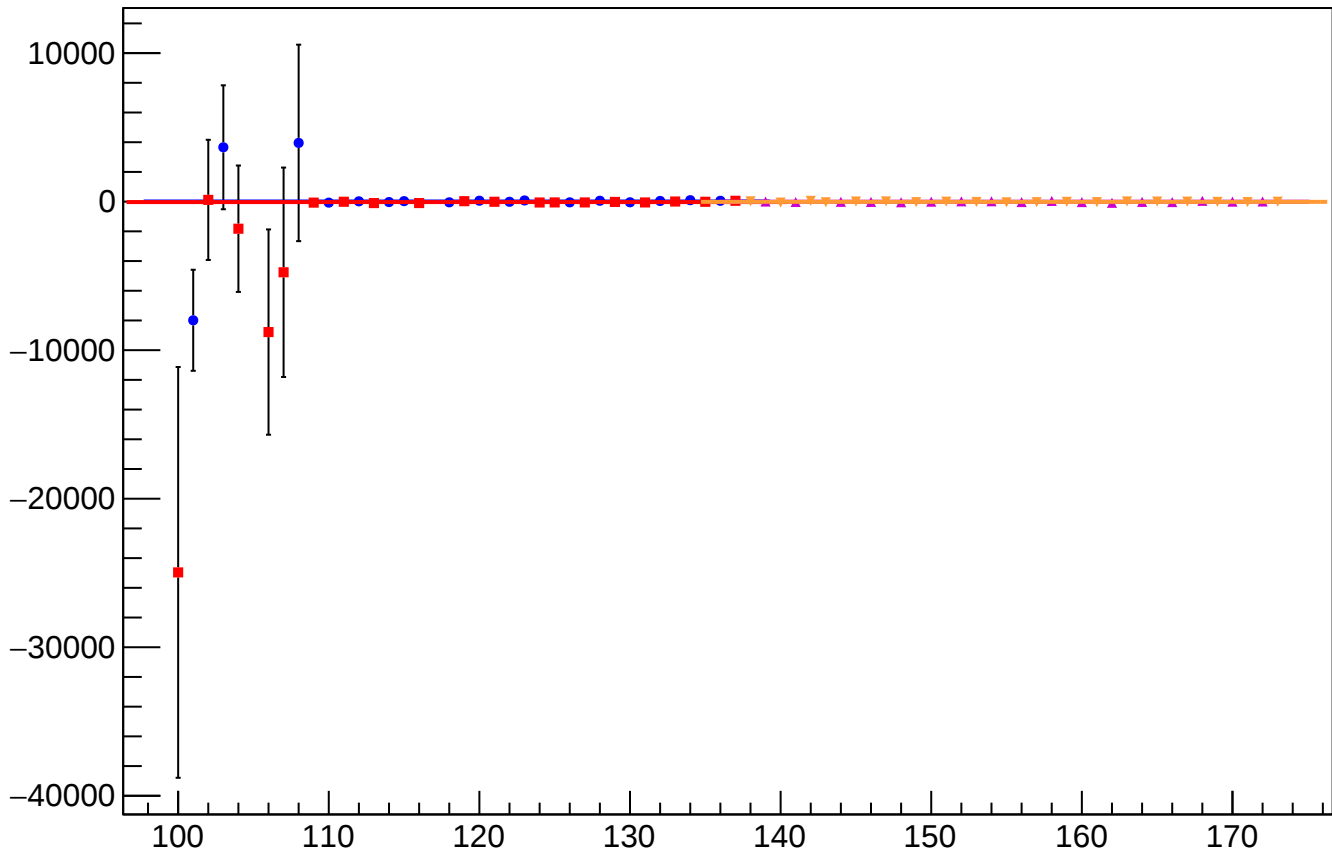
Left In: 184.327+/-0.038 χ^2/NDF : 1315732.8/16

+ sign 207.475+/-0.035 χ^2/NDF : 4868597.2/35

All: 192.843+/-0.023 χ^2/NDF : 10758243.8/71

- sign 180.756+/-0.031 χ^2/NDF : 5563524.1/35

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

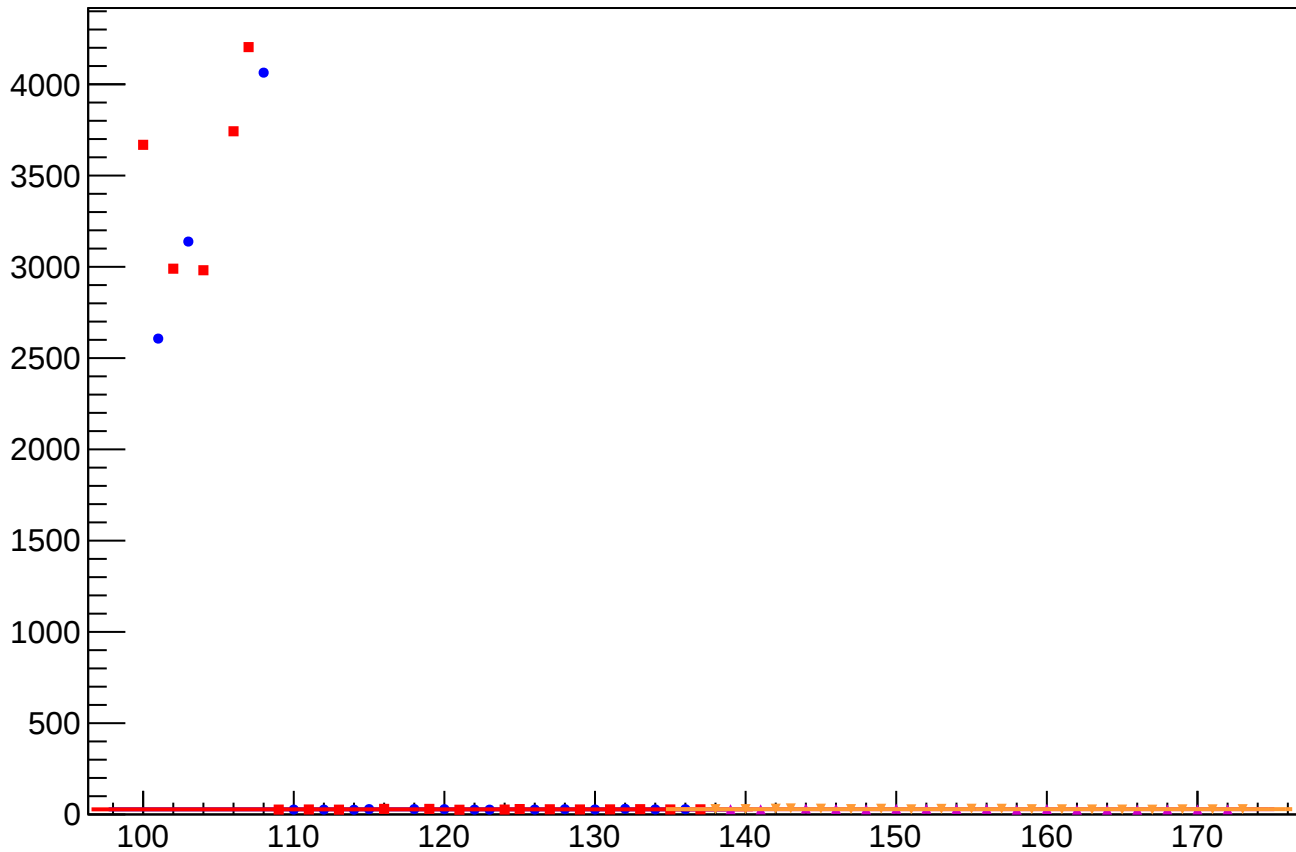
Left In: -5.602 $\pm$ 8.011 χ^2 /NDF: 17.7/16

+ sign -7.455 $\pm$ 6.542 χ^2 /NDF: 36.9/35

All: -10.025 $\pm$ 4.687 χ^2 /NDF: 74.1/71

- sign -12.735 $\pm$ 6.718 χ^2 /NDF: 36.9/35

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.023 $\pm$ 0.009 χ^2 /NDF: 3027003.0/16

Left Out: 29.062 $\pm$ 0.005 χ^2 /NDF: 102410.2/18

Right Out: 27.917 $\pm$ 0.009 χ^2 /NDF: 3479610.6/18

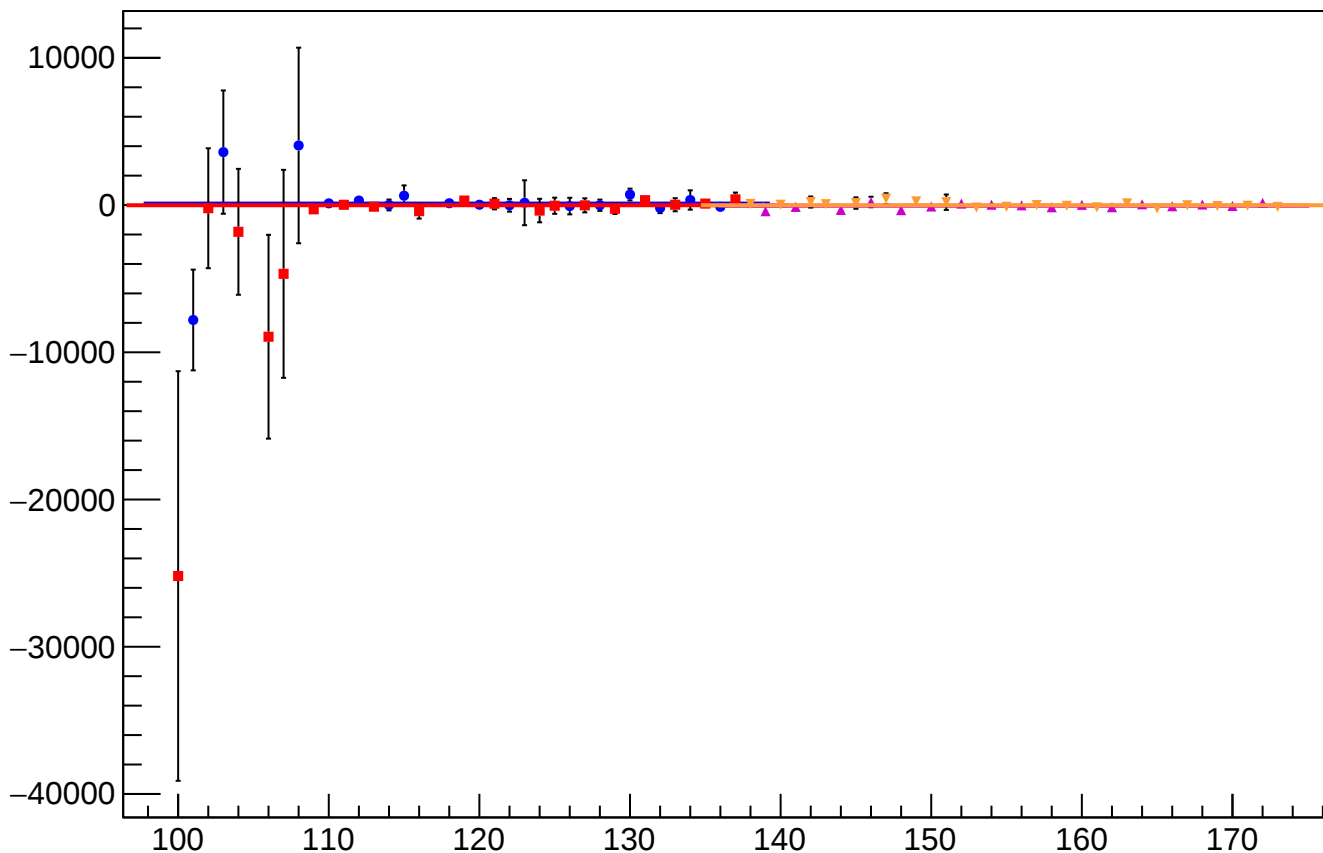
Left In: 28.984 $\pm$ 0.006 χ^2 /NDF: 112278.6/16

+ sign 28.767 $\pm$ 0.005 χ^2 /NDF: 3139675.6/35

All: 28.718 $\pm$ 0.003 χ^2 /NDF: 6742328.9/71

- sign 28.667 $\pm$ 0.005 χ^2 /NDF: 3602429.0/35

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

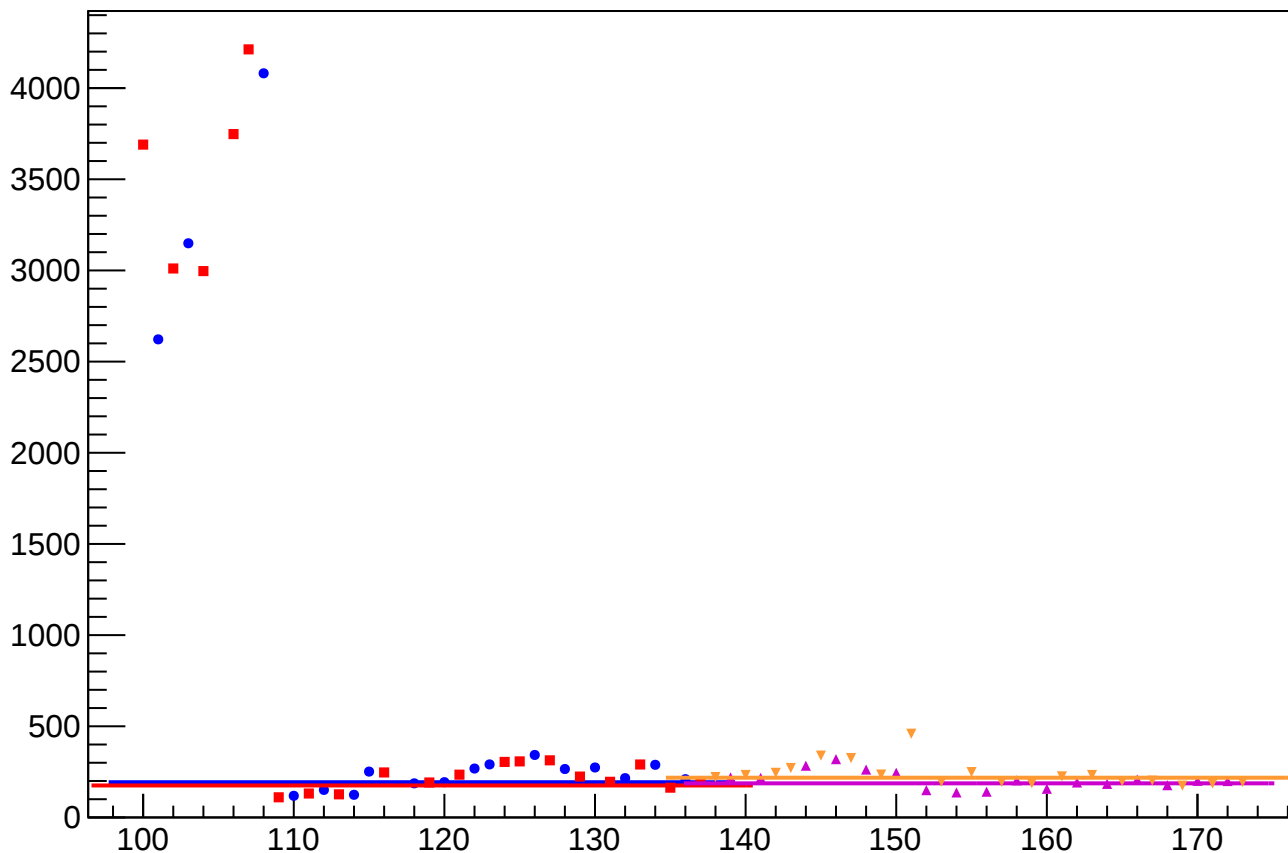
Left In: -43.825 $\pm$ 54.116 χ^2 /NDF: 6.7/16

+ sign 23.989 $\pm$ 49.550 χ^2 /NDF: 19.0/35

All: -7.652 $\pm$ 33.361 χ^2 /NDF: 38.7/71

- sign -33.890 $\pm$ 45.121 χ^2 /NDF: 19.0/35

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

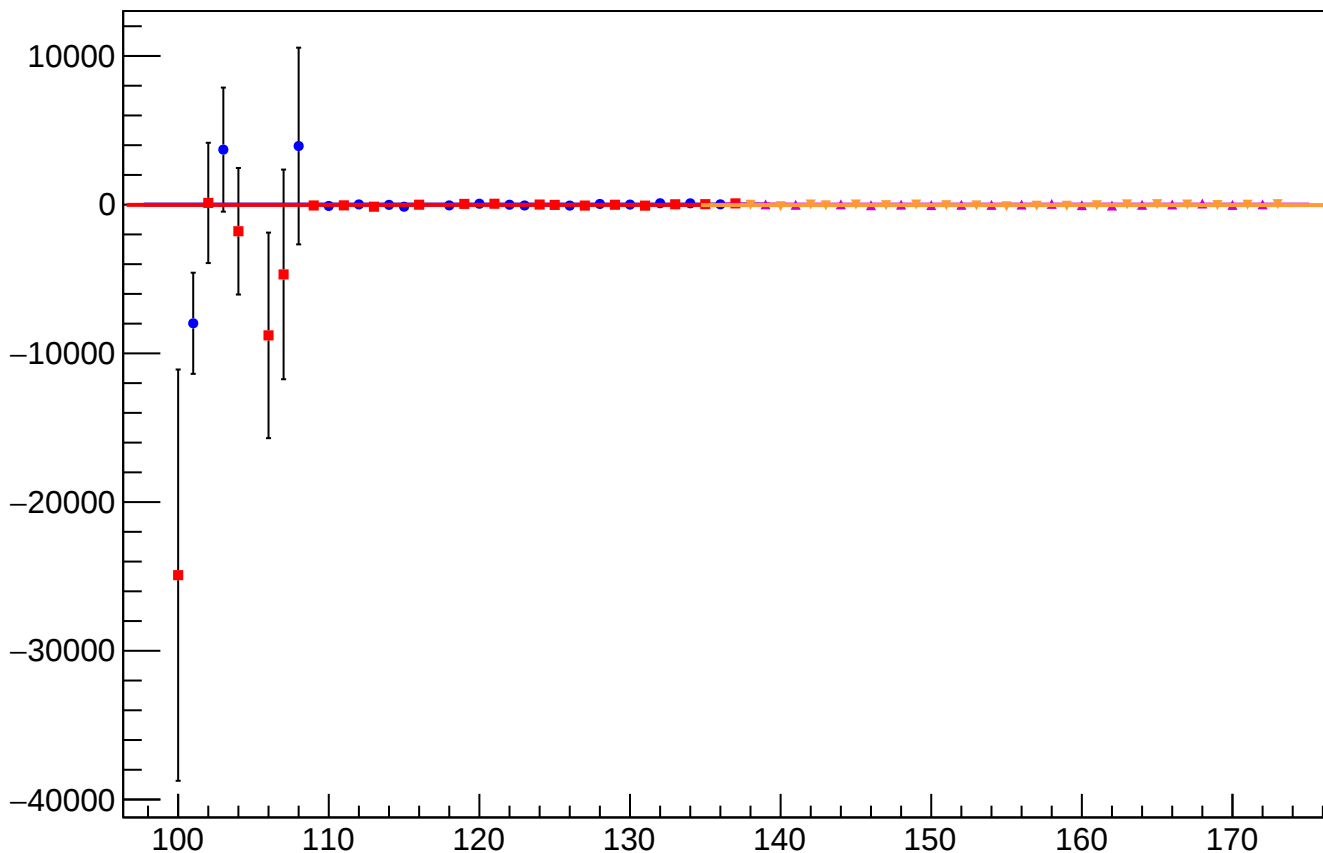
Left In: 187.090+/-0.038 χ^2/NDF :1286184.6/16

+ sign 210.174+/-0.035 χ^2/NDF : 4804768.9/35

All: 195.621+/-0.024 χ^2/NDF : 10599991.3/71

- sign 183.553+/-0.032 χ^2/NDF : 5479606.8/35

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

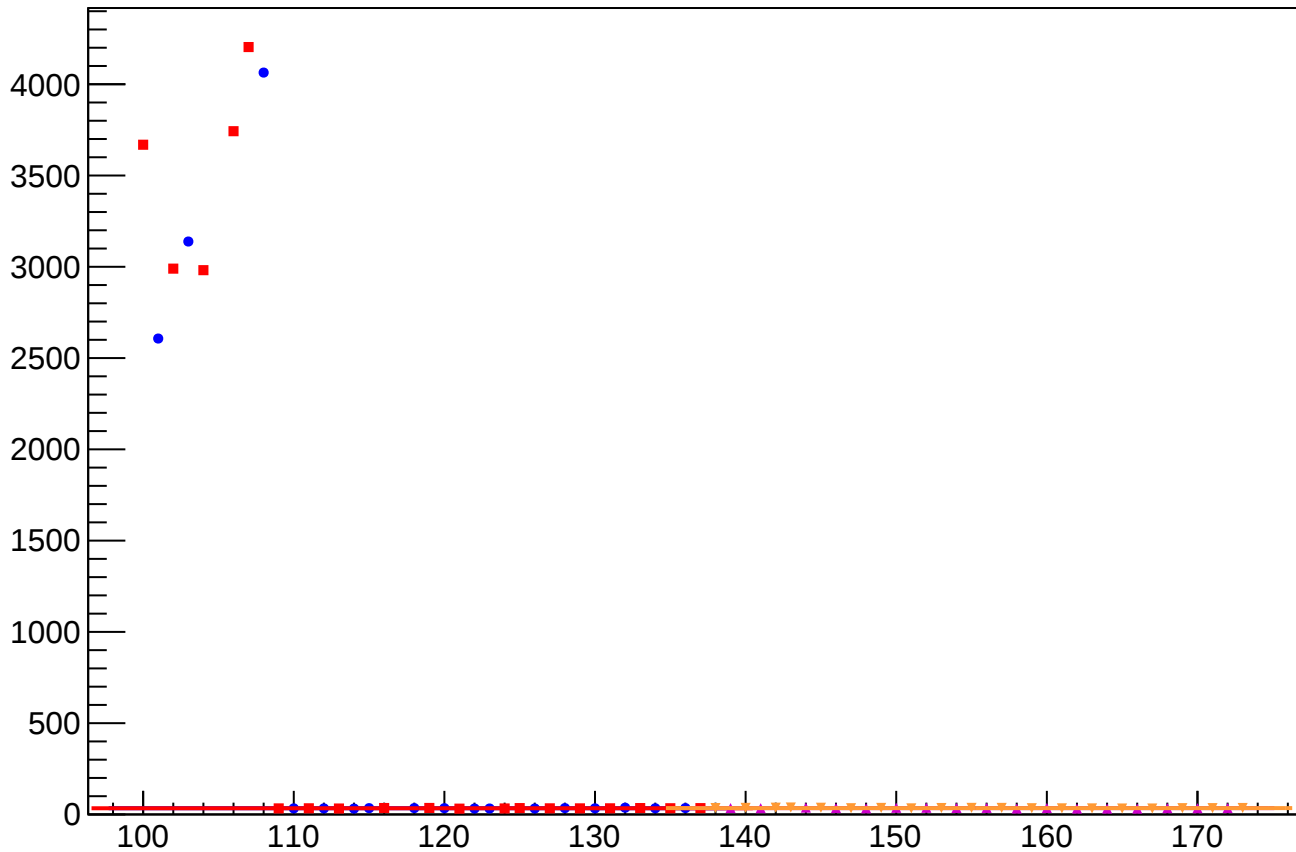
Left In: 3.851 ± 9.573 χ^2/NDF : 12.2/16

+ sign -18.588 ± 7.849 χ^2/NDF : 44.8/35

All: -9.980 ± 5.624 χ^2/NDF : 82.0/71

- sign -0.901 ± 8.061 χ^2/NDF : 34.7/35

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

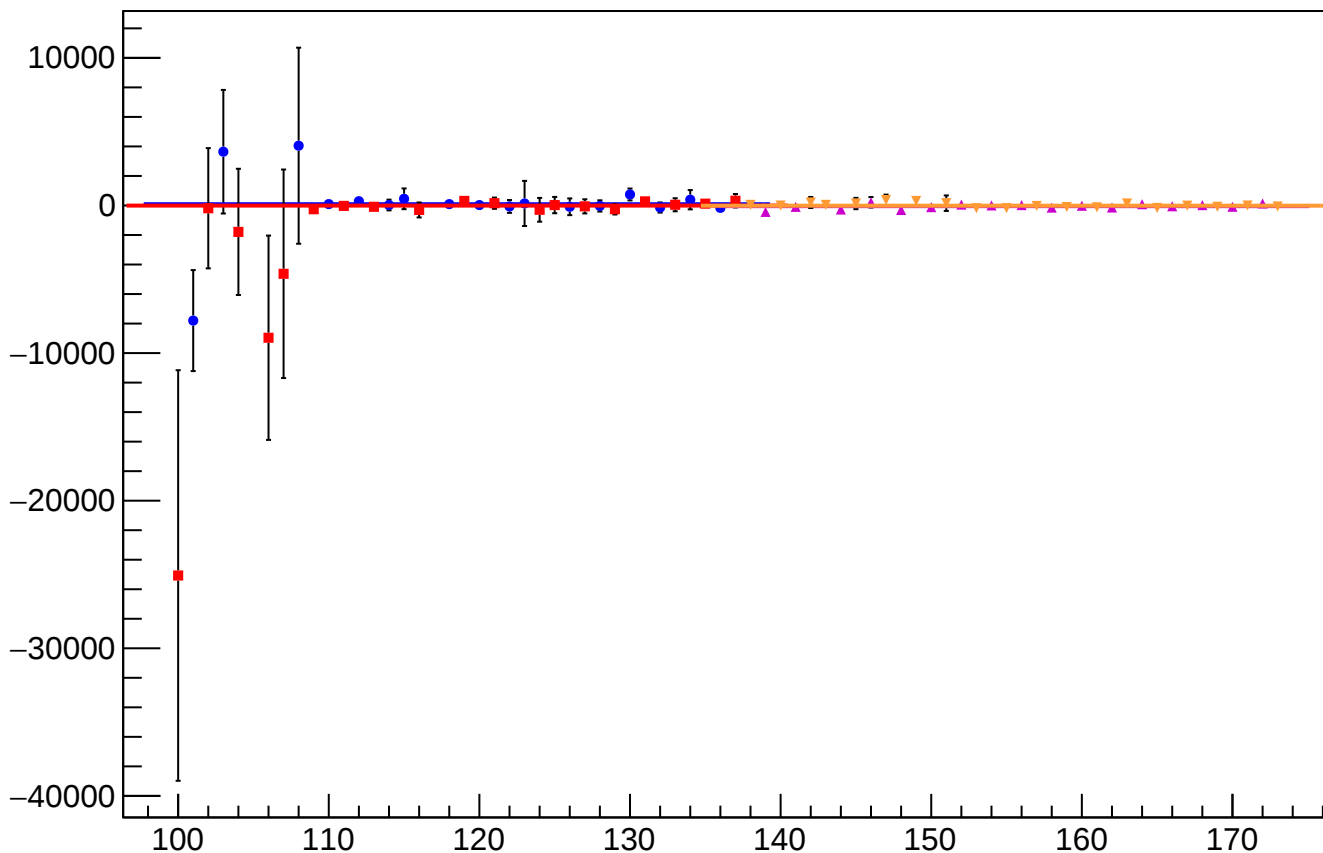
Left In: 34.697 $\pm$ 0.007 χ^2 /NDF: 51757.2/16

+ sign 34.572 $\pm$ 0.006 χ^2 /NDF: 3055893.3/35

All: 34.522 $\pm$ 0.004 χ^2 /NDF: 6563616.7/71

- sign 34.469 $\pm$ 0.006 χ^2 /NDF: 3507555.9/35

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

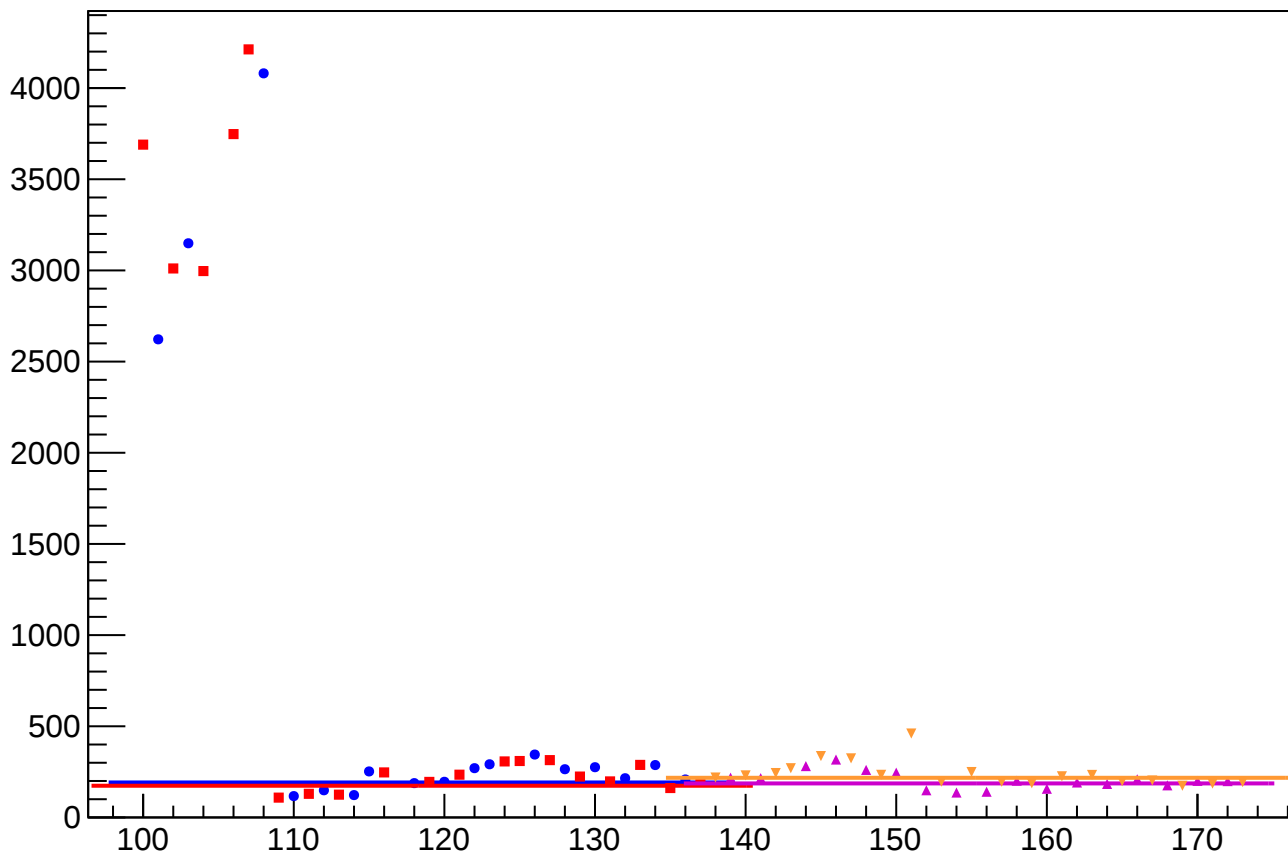
Left In: -44.854 $\pm$ 53.976 χ^2 /NDF: 6.0/16

+ sign 17.583 $\pm$ 49.401 χ^2 /NDF: 18.6/35

All: -10.277 $\pm$ 33.248 χ^2 /NDF: 36.4/71

- sign -33.346 $\pm$ 44.952 χ^2 /NDF: 17.3/35

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

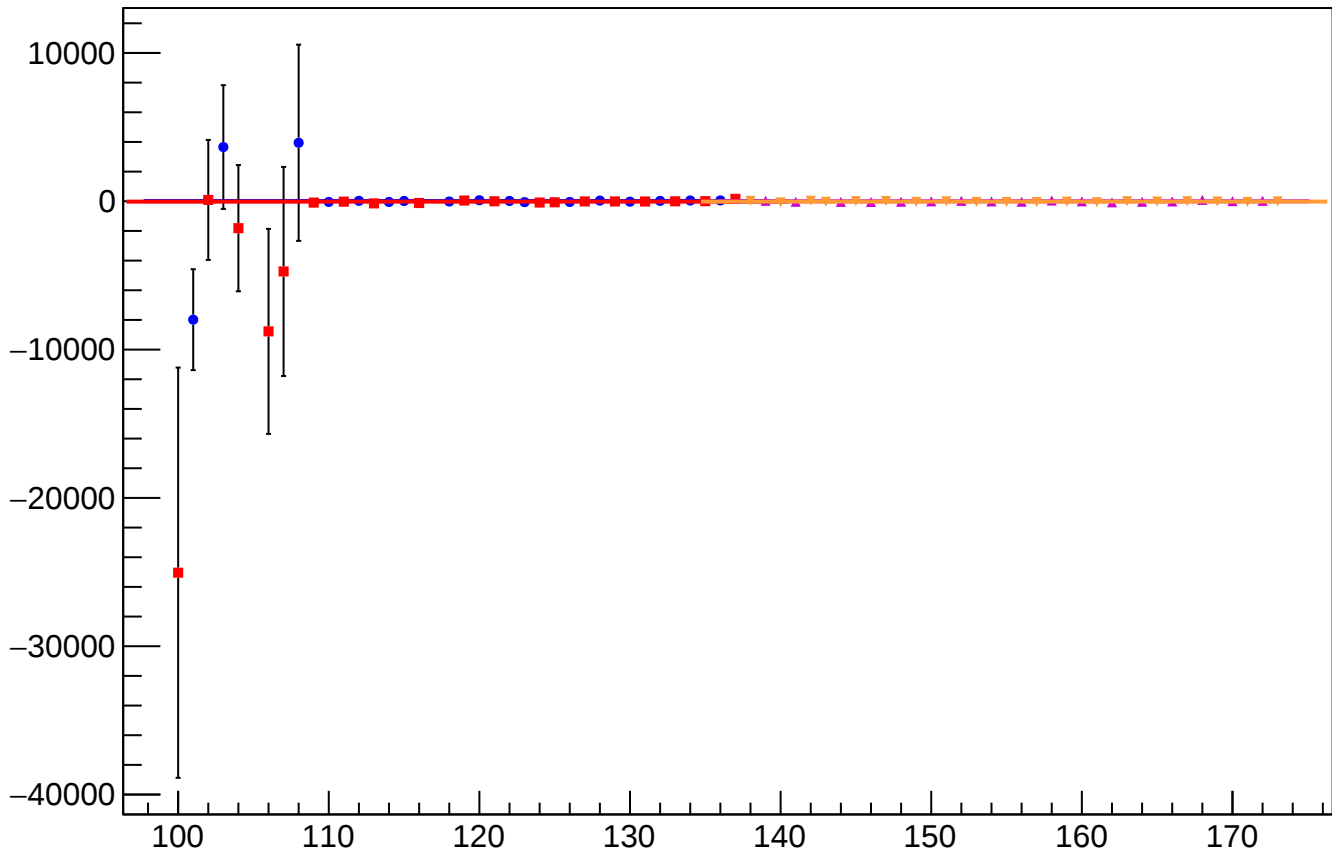
Left In: 186.612 $\pm$ 0.038 χ^2 /NDF: 1274415.3/16

+ sign 209.427 $\pm$ 0.035 χ^2 /NDF: 4841868.8/35

All: 194.820 $\pm$ 0.024 χ^2 /NDF: 10681141.0/73

- sign 182.726 $\pm$ 0.032 χ^2 /NDF: 5519645.3/35

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

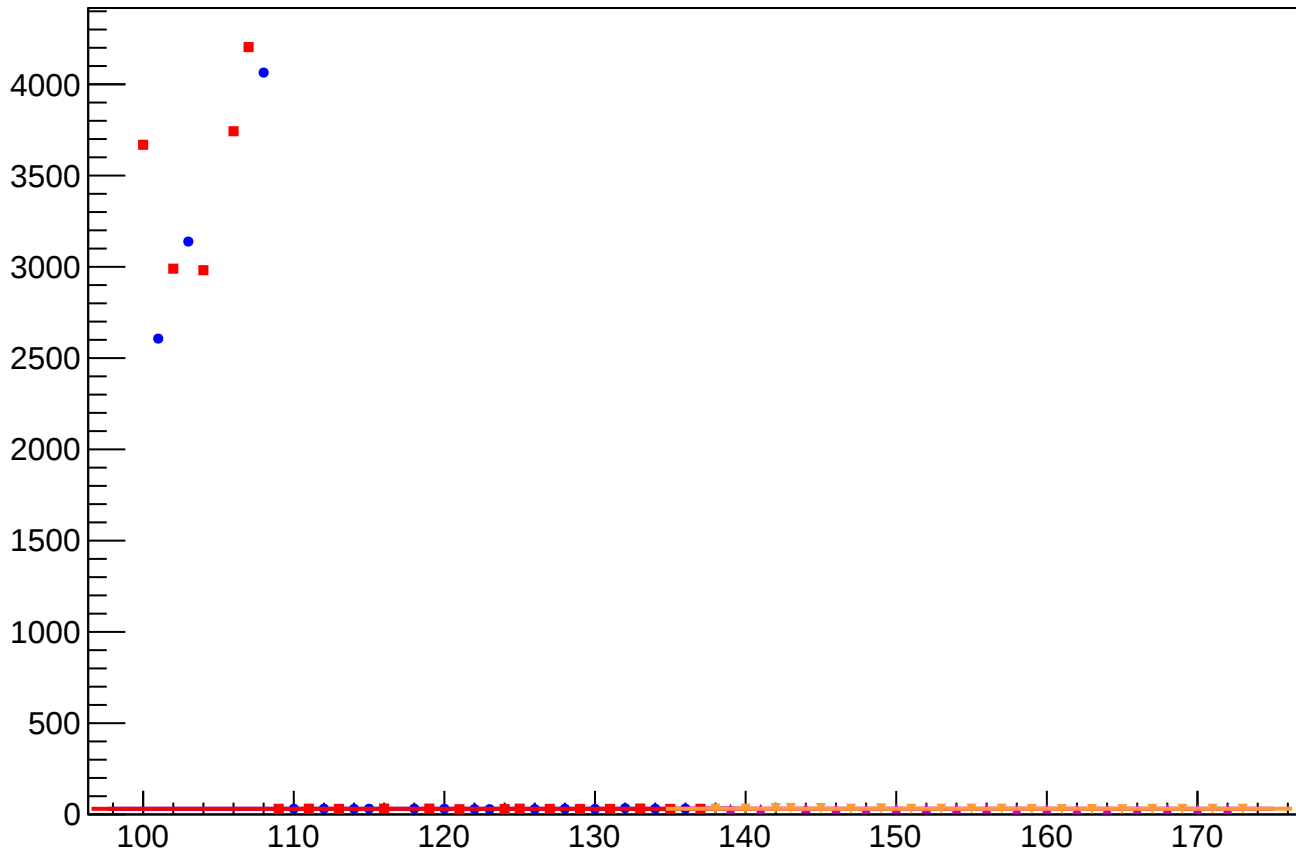
Left In: -0.636+/-8.646 χ^2/NDF : 22.9/16

+ sign -11.415+/-7.119 χ^2/NDF : 32.2/35

All: -9.334+/-5.098 χ^2/NDF : 84.7/71

- sign -7.142+/-7.305 χ^2/NDF : 52.3/35

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

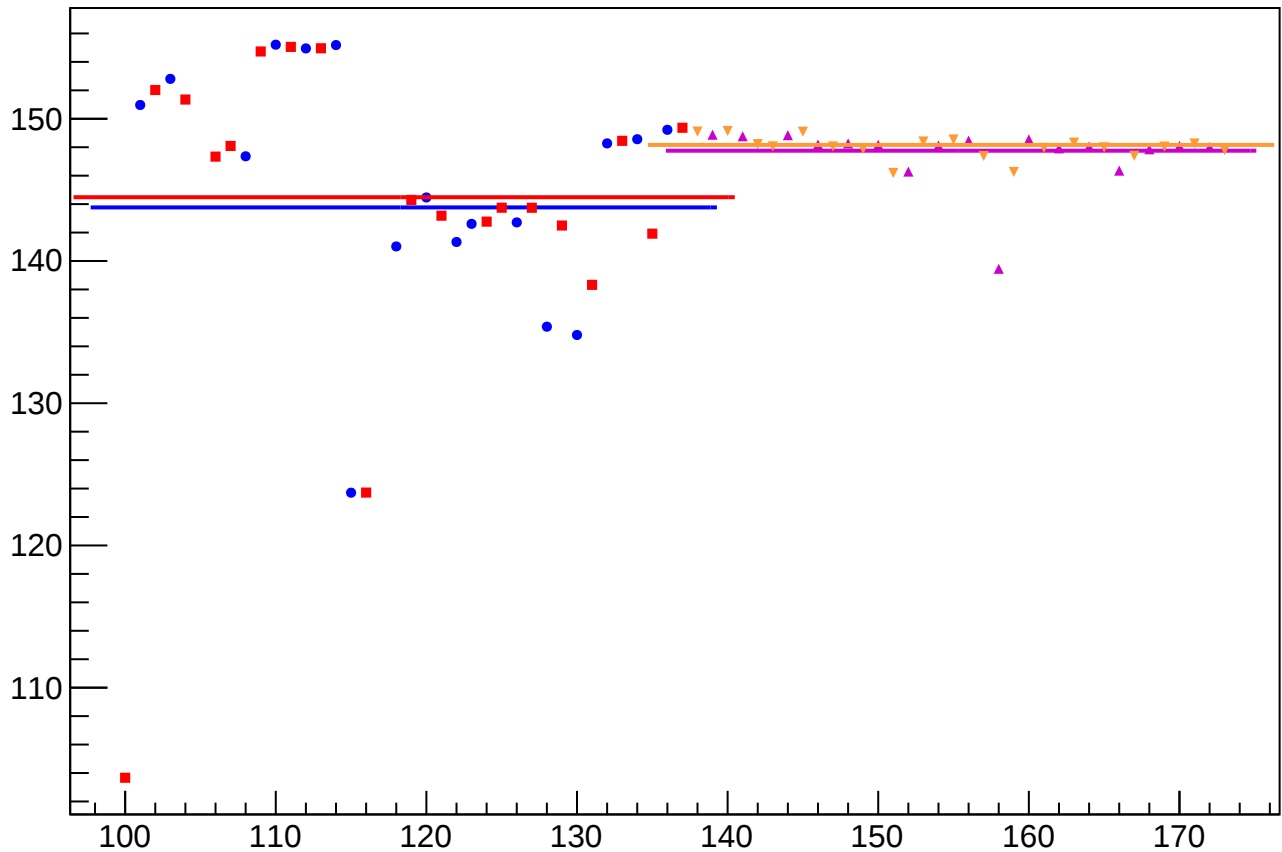
Left In: 31.294 $\pm$ 0.006 χ^2 /NDF: 81382.8/16

+ sign 31.332 $\pm$ 0.005 χ^2 /NDF: 3088348.2/35

All: 31.268 $\pm$ 0.004 χ^2 /NDF: 6629854.0/71

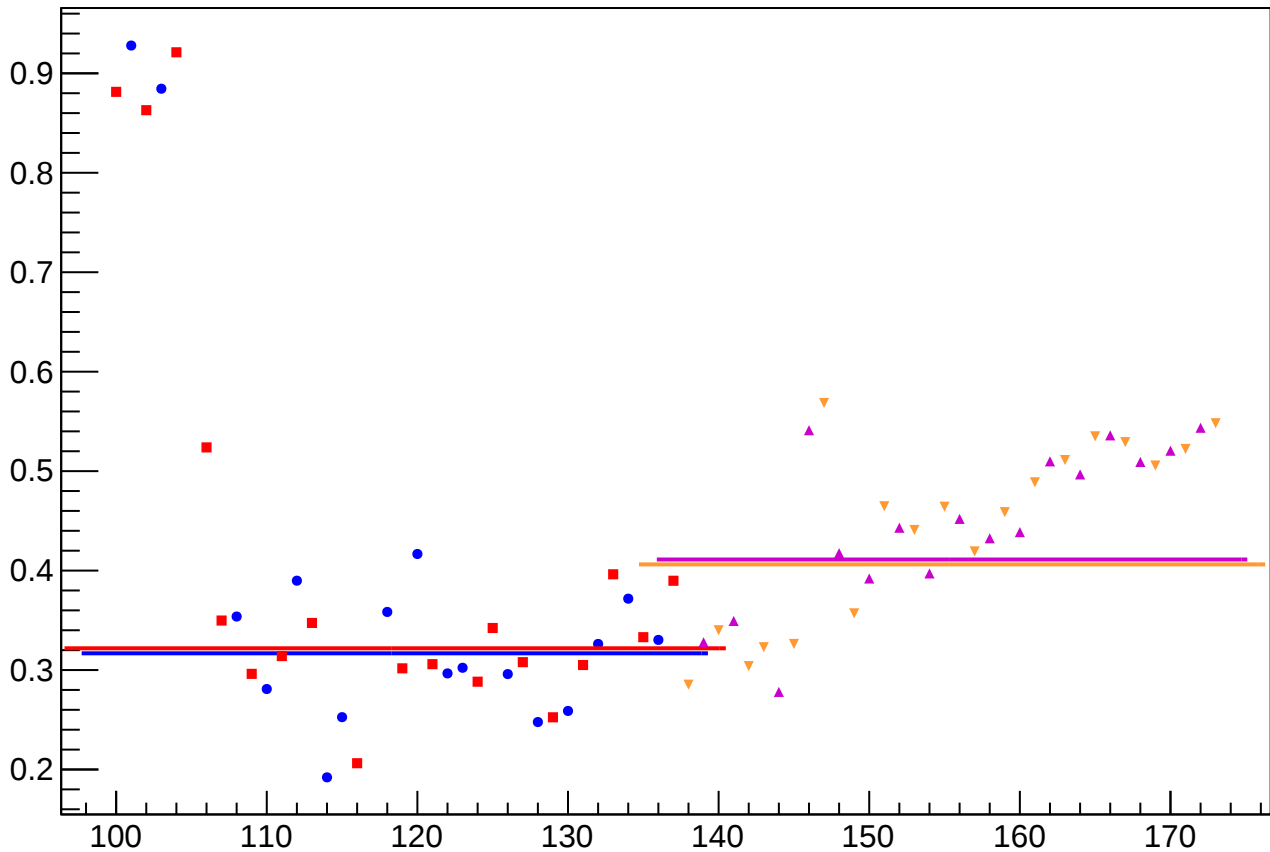
- sign 31.199 $\pm$ 0.005 χ^2 /NDF: 3541167.1/35

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: 146.335 $\pm$ 0.000	χ^2 /NDF: 9064105472.5
Right Out: 144.486 $\pm$ 0.000	χ^2 /NDF: 4183608291.3/18	- sign 146.322 $\pm$ 0.000	χ^2 /NDF: 4847868694.9/35
Left In: 147.756 $\pm$ 0.000	χ^2 /NDF: 324587895.7/16		

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.406 ± 0.000 χ^2/NDF : 1298780.3/18

Right Out: 0.322 ± 0.000 χ^2/NDF : 1217762.5/18

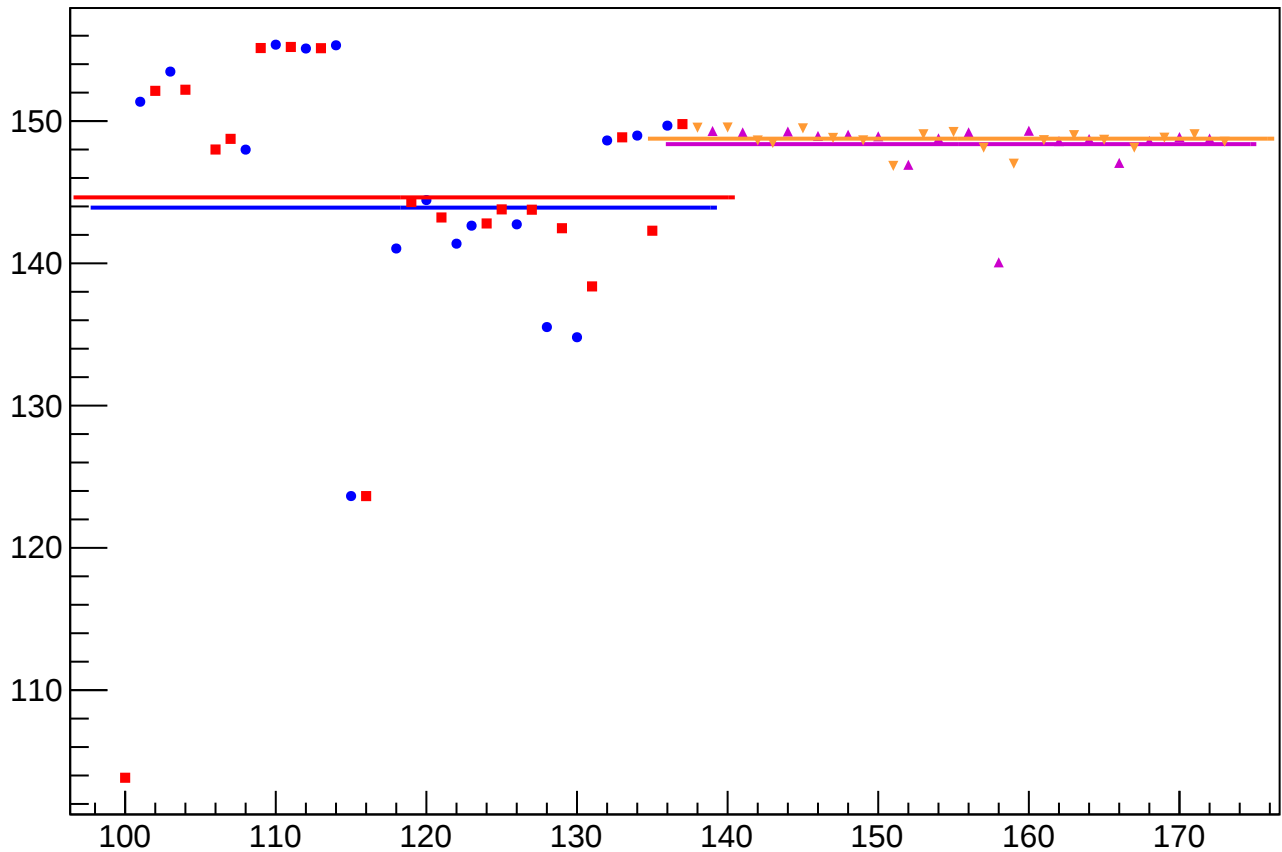
Left In: 0.411 ± 0.000 χ^2/NDF : 1004803.8/16

+ sign 0.369 ± 0.000 χ^2/NDF : 3099652.5/35

All: 0.371 ± 0.000 χ^2/NDF : 5829647.7/71

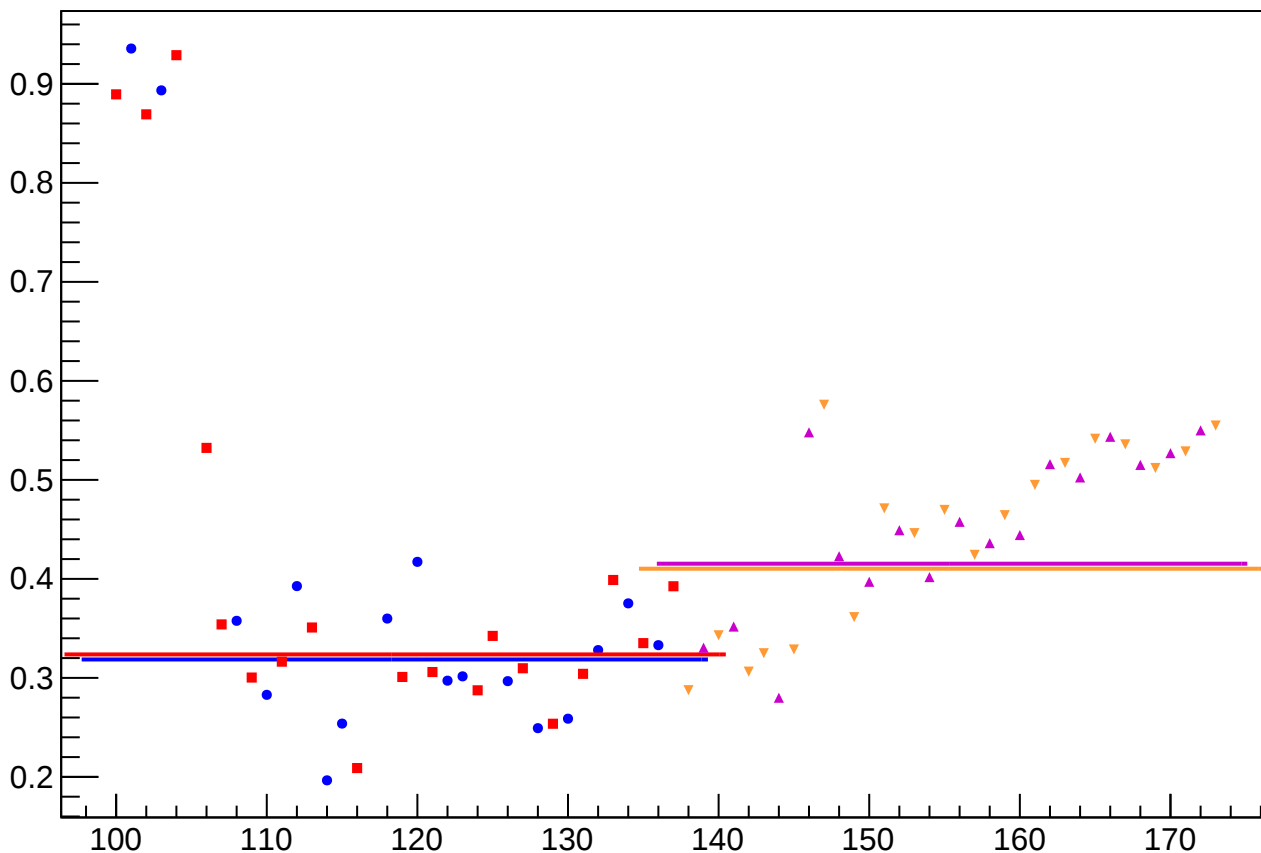
- sign 0.372 ± 0.000 χ^2/NDF : 2729042.9/35

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: 146.740 $\pm$ 0.000	χ^2 /NDF: 9344935962.5
Right Out: 144.637 $\pm$ 0.000	χ^2 /NDF: 4210524953.9/18	- sign 146.729 $\pm$ 0.000	χ^2 /NDF: 4962673788.9/35
Left In: 148.379 $\pm$ 0.000	χ^2 /NDF: 314340531.9/16		

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

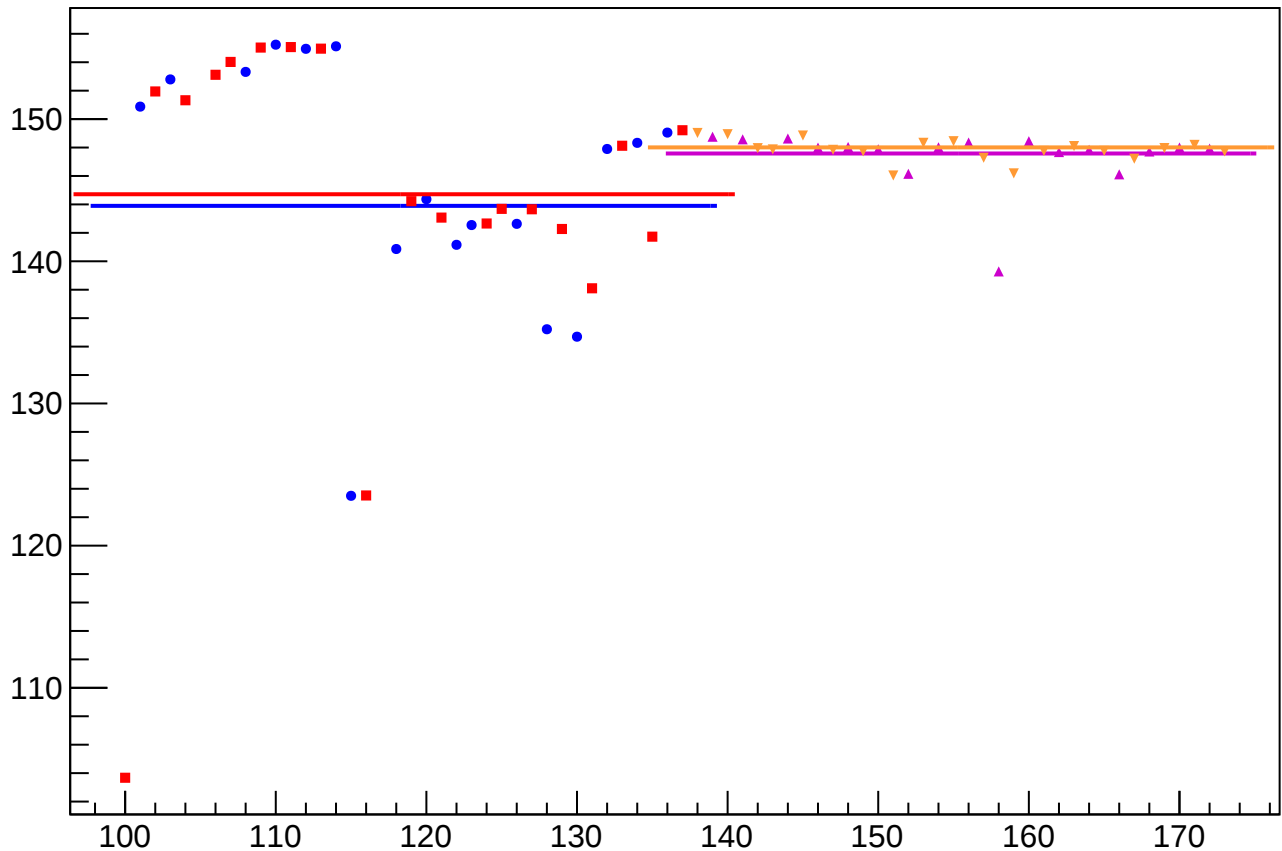
Left In: 0.415 ± 0.000 χ^2/NDF : 1024026.7/16

+ sign 0.372 ± 0.000 χ^2/NDF : 3143733.6/35

All: 0.374 ± 0.000 χ^2/NDF : 5914813.3/71

- sign 0.375 ± 0.000 χ^2/NDF : 2770117.1/35

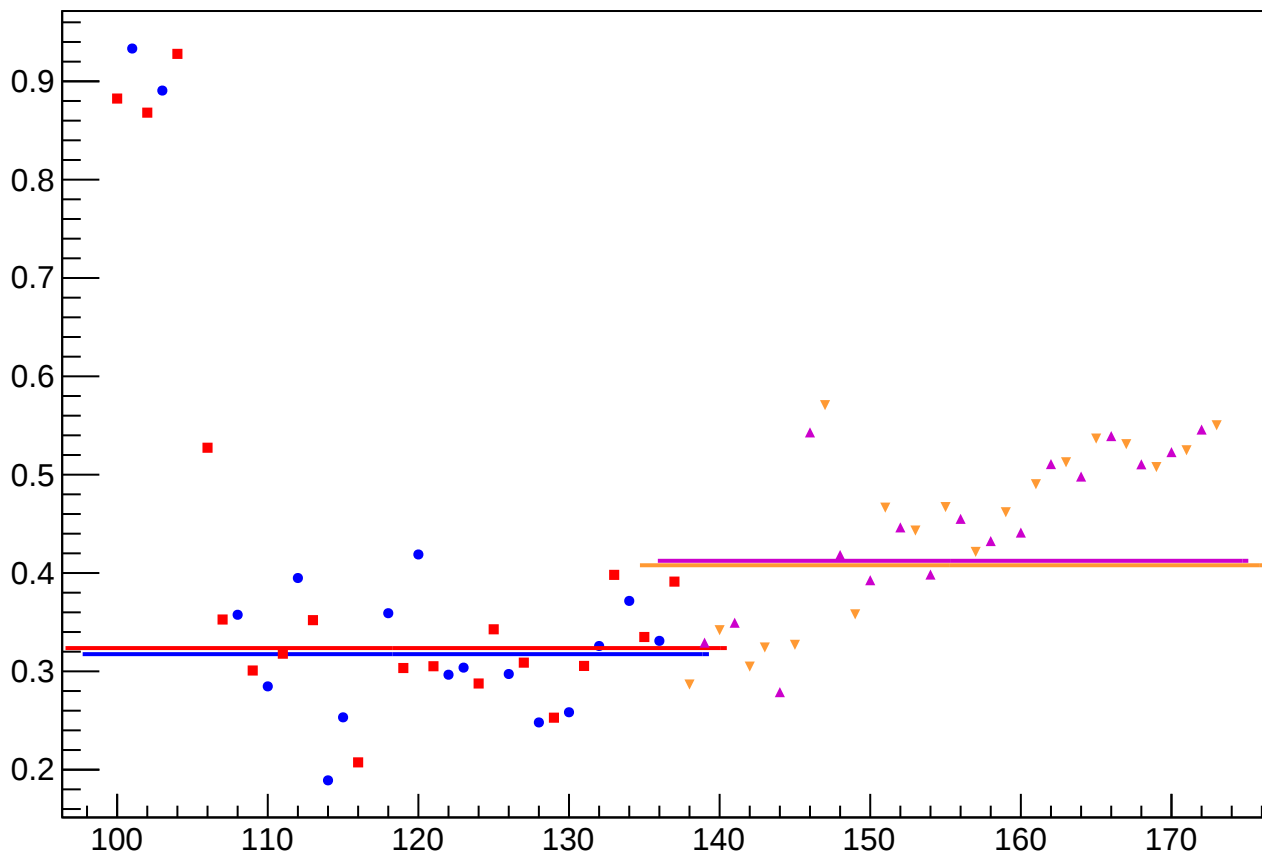
yield_bcm_an_us_mean vs Slug



Right In: 143.899 $\pm$ 0.000 χ^2 /NDF: 3749888331.0/16
 Left Out: 148.010 $\pm$ 0.000 χ^2 /NDF: 51220438.6/18
 Right Out: 144.715 $\pm$ 0.000 χ^2 /NDF: 4474458988.7/18
 Left In: 147.581 $\pm$ 0.000 χ^2 /NDF: 323803215.8/16

+ sign 146.311 $\pm$ 0.000 χ^2 /NDF: 4349784773.3/35
 All: 146.319 $\pm$ 0.000 χ^2 /NDF: 940666701.5
 - sign 146.328 $\pm$ 0.000 χ^2 /NDF: 5056863117.3/35

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.408 ± 0.000 χ^2/NDF : 1299894.2/18

Right Out: 0.324 ± 0.000 χ^2/NDF : 1221676.7/18

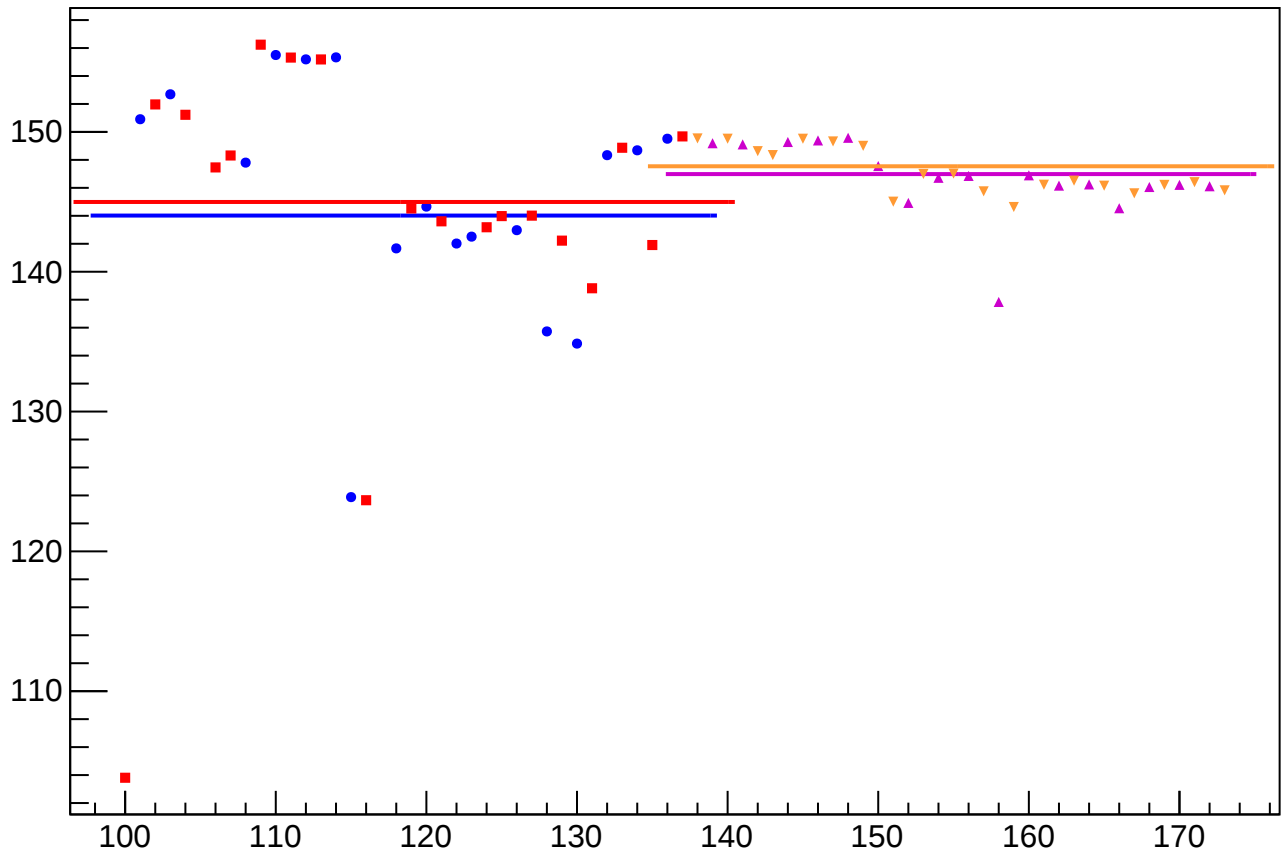
Left In: 0.412 ± 0.000 χ^2/NDF : 1010489.1/16

+ sign 0.371 ± 0.000 χ^2/NDF : 3123415.4/35

All: 0.372 ± 0.000 χ^2/NDF : 5852844.4/71

- sign 0.374 ± 0.000 χ^2/NDF : 2728186.1/35

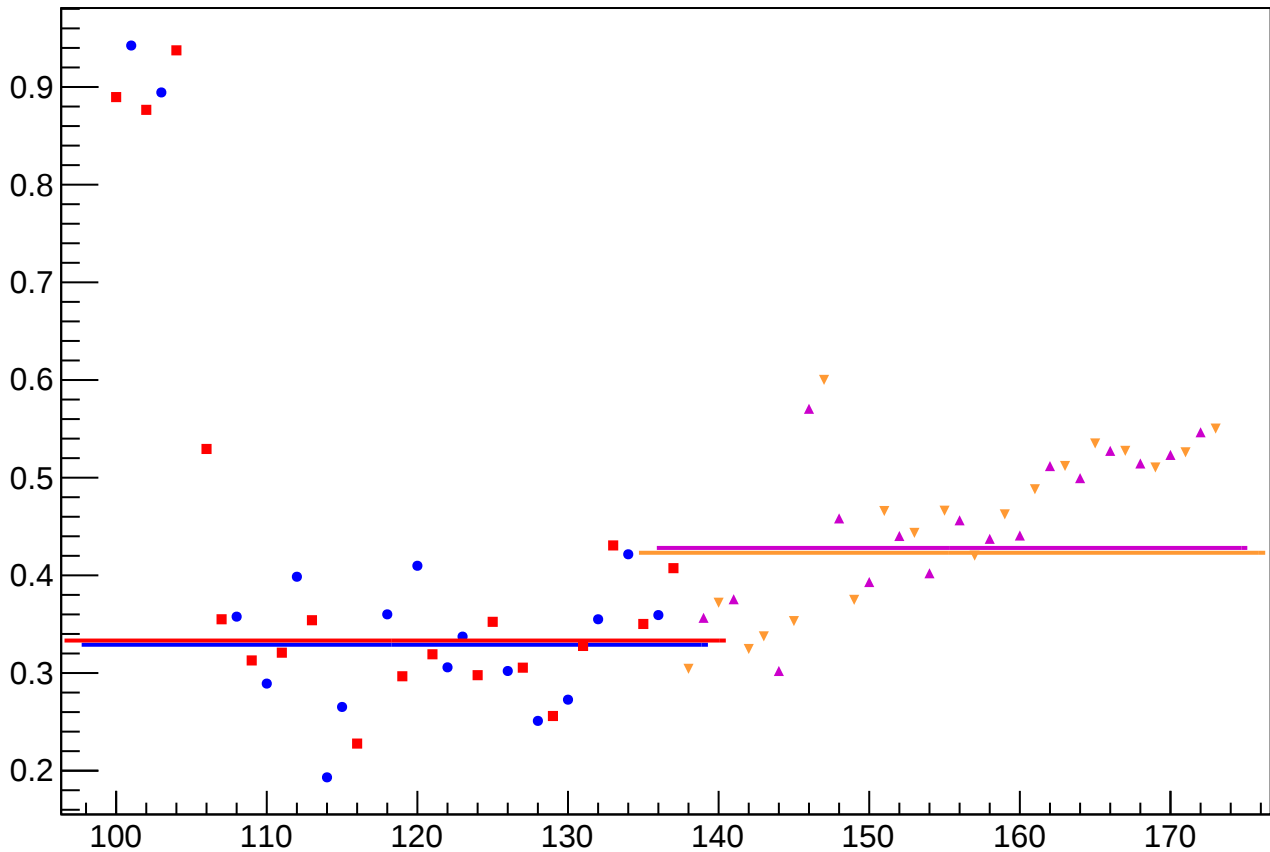
yield_bcm_dg_us_mean vs Slug



Right In: 144.018 $\pm$ 0.000 χ^2 /NDF: 3238525527.6/16
 Left Out: 147.543 $\pm$ 0.000 χ^2 /NDF: 207478637.9/18
 Right Out: 144.990 $\pm$ 0.000 χ^2 /NDF: 3853449012.9/18
 Left In: 146.985 $\pm$ 0.000 χ^2 /NDF: 504555508.2/16

+ sign 146.092 $\pm$ 0.000 χ^2 /NDF: 3821878550.6/35
 All: 146.101 $\pm$ 0.000 χ^2 /NDF: 8297555818.9
 - sign 146.109 $\pm$ 0.000 χ^2 /NDF: 4475660526.1/35

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.423 ± 0.000 χ^2/NDF : 1013422.1/18

Right Out: 0.333 ± 0.000 χ^2/NDF : 1182496.7/18

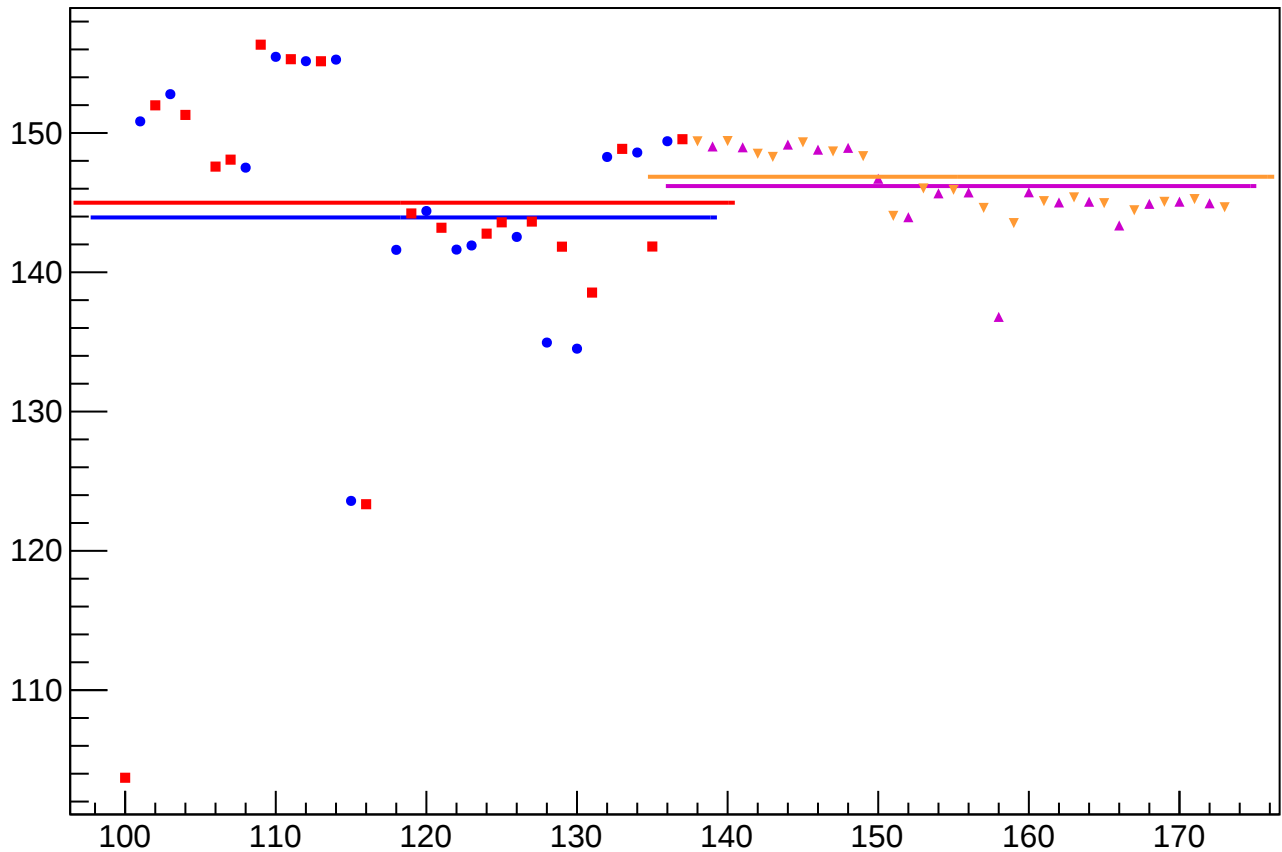
Left In: 0.428 ± 0.000 χ^2/NDF : 767806.1/16

+ sign 0.384 ± 0.000 χ^2/NDF : 2825922.8/35

All: 0.385 ± 0.000 χ^2/NDF : 5308543.9/71

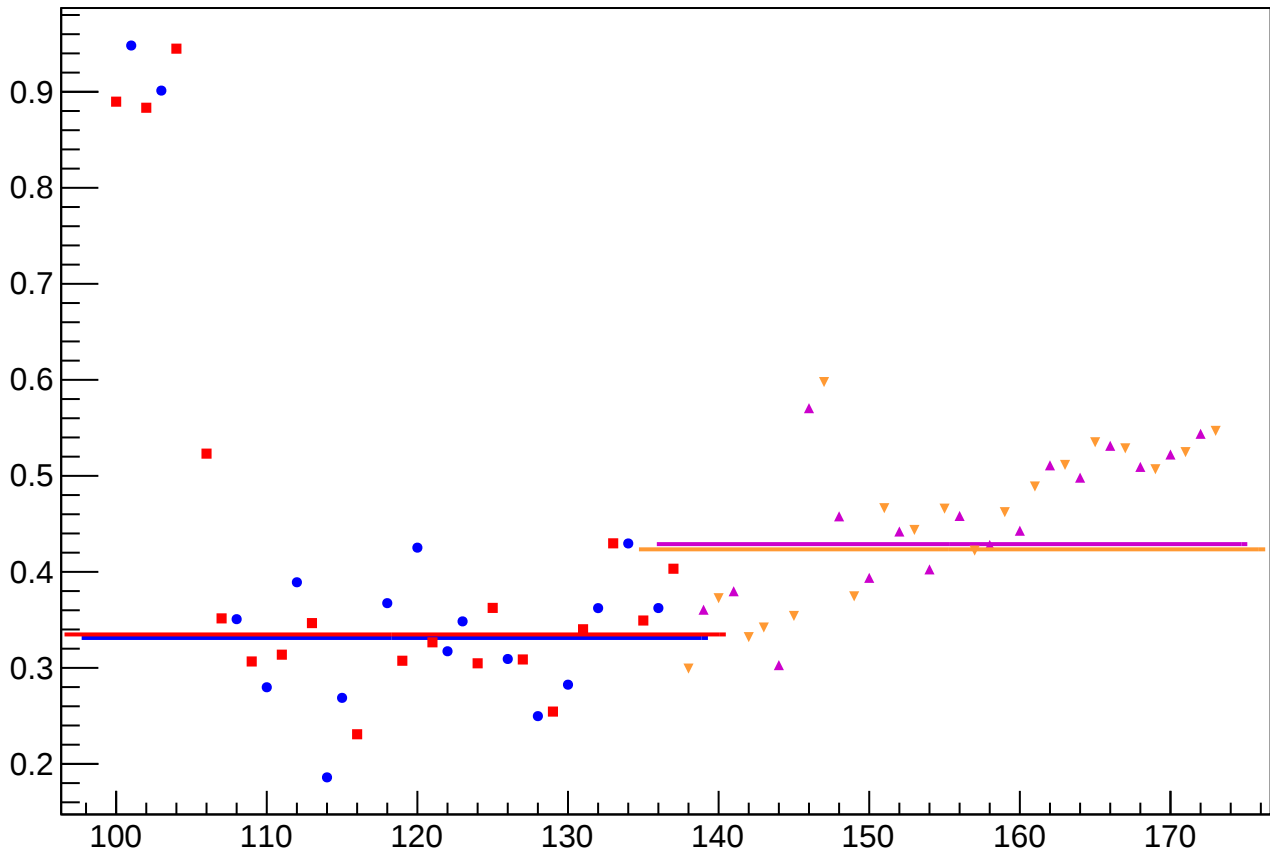
- sign 0.386 ± 0.000 χ^2/NDF : 2482092.7/35

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937+/-0.000	χ^2/NDF : 3379203532.9/16	+ sign 145.667+/-0.000	χ^2/NDF : 3957098594.4/35
Left Out: 146.858+/-0.000	χ^2/NDF : 322607874.4/18	All: 145.667+/-0.000	χ^2/NDF : 8558585753.4
Right Out: 144.995+/-0.000	χ^2/NDF : 3934069043.2/18	- sign 145.667+/-0.000	χ^2/NDF : 4601487153.9/35
Left In: 146.190+/-0.000	χ^2/NDF : 625535092.4/16		

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

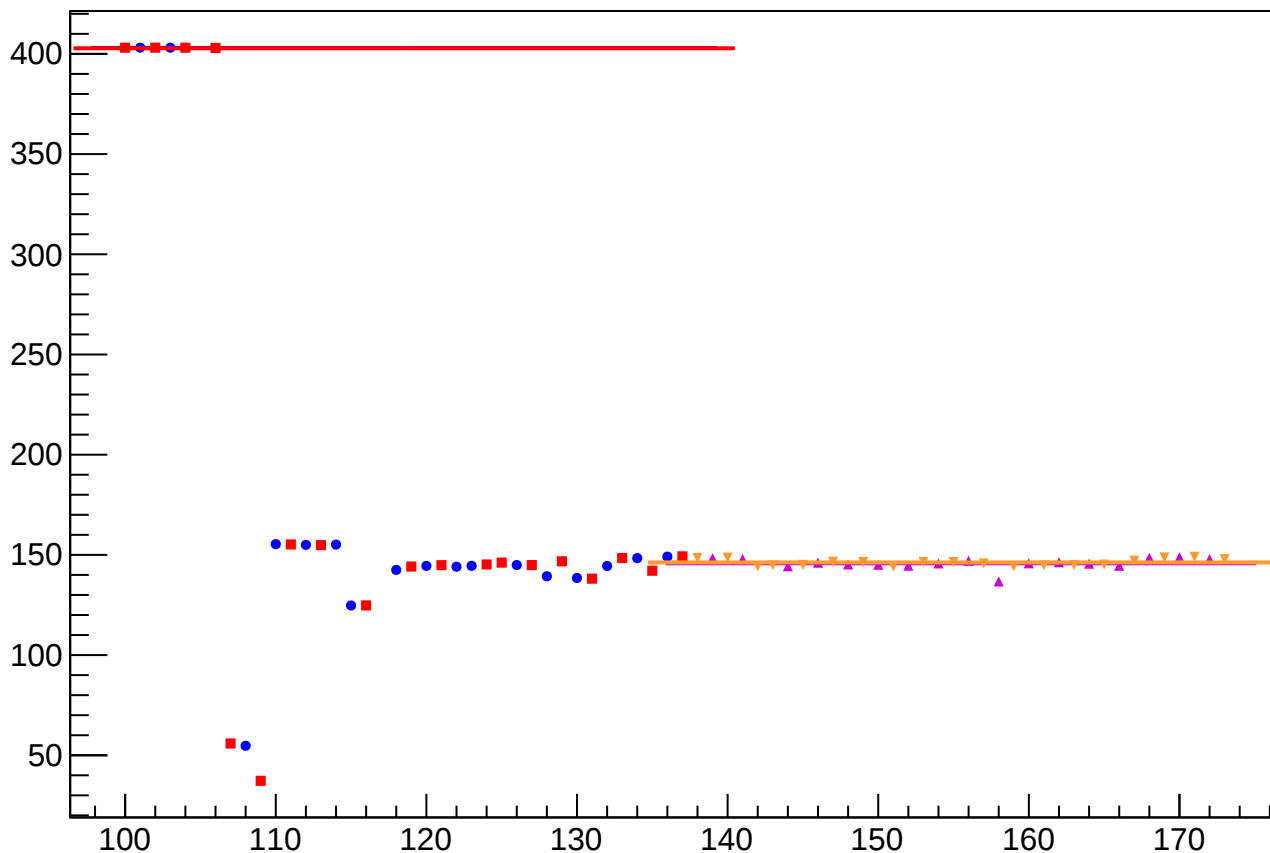
Left In: 0.429 $\pm$ 0.000 χ^2 /NDF: 740501.3/16

+ sign 0.386 $\pm$ 0.000 χ^2 /NDF: 2807900.3/35

All: 0.387 $\pm$ 0.000 χ^2 /NDF: 5240447.1/71

- sign 0.388 $\pm$ 0.000 χ^2 /NDF: 2432085.1/35

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

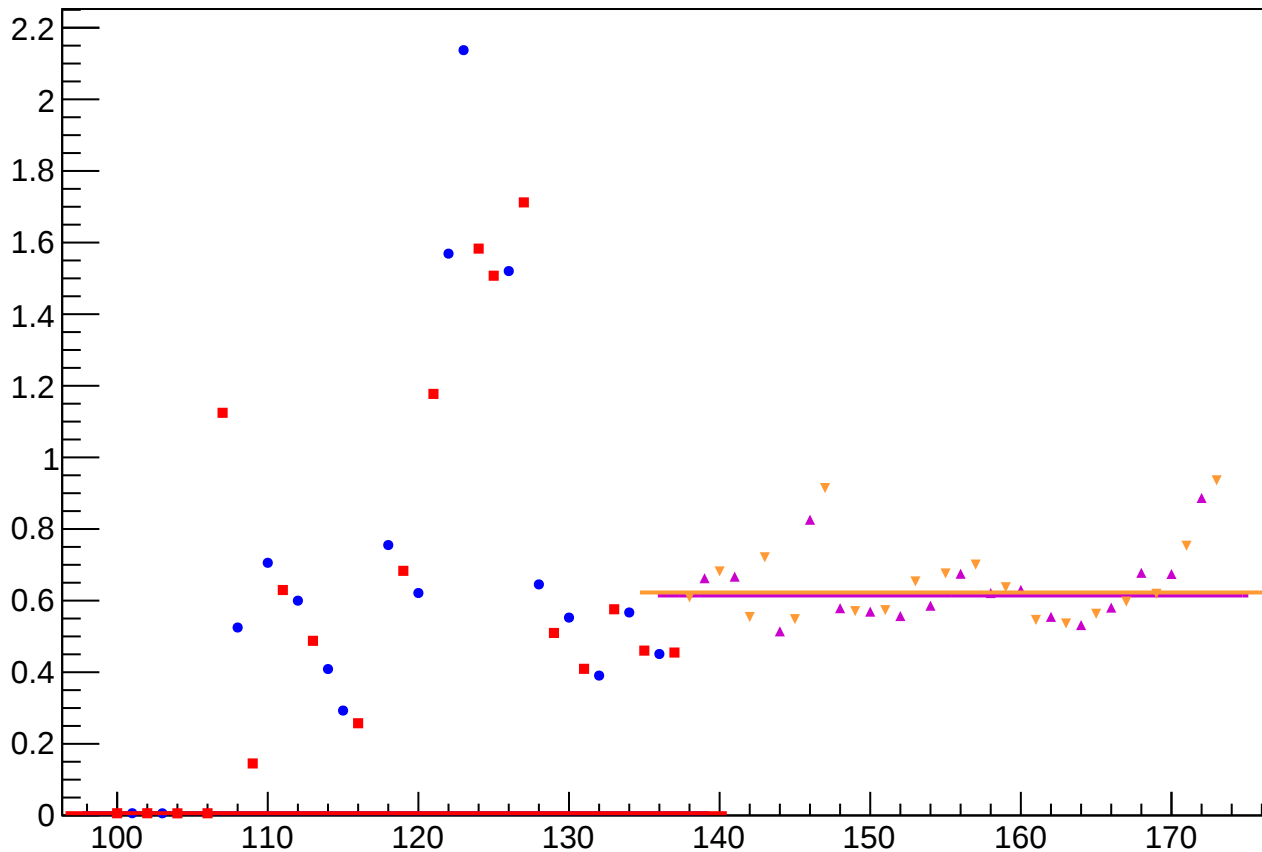
Left In: 145.790+/-0.000 χ^2/NDF : 168291263.8/16

+ sign 402.733+/-0.000 χ^2/NDF : 2891351178720.3

All: 402.668+/-0.000 χ^2/NDF : 769989022362

- sign 402.611+/-0.000 χ^2/NDF : 4808291242156.2

yield_cav4bQ_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 9161050.1/16

Left Out: 0.623 $\pm$ 0.000 χ^2 /NDF:459968.1/18

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 9212402.0/18

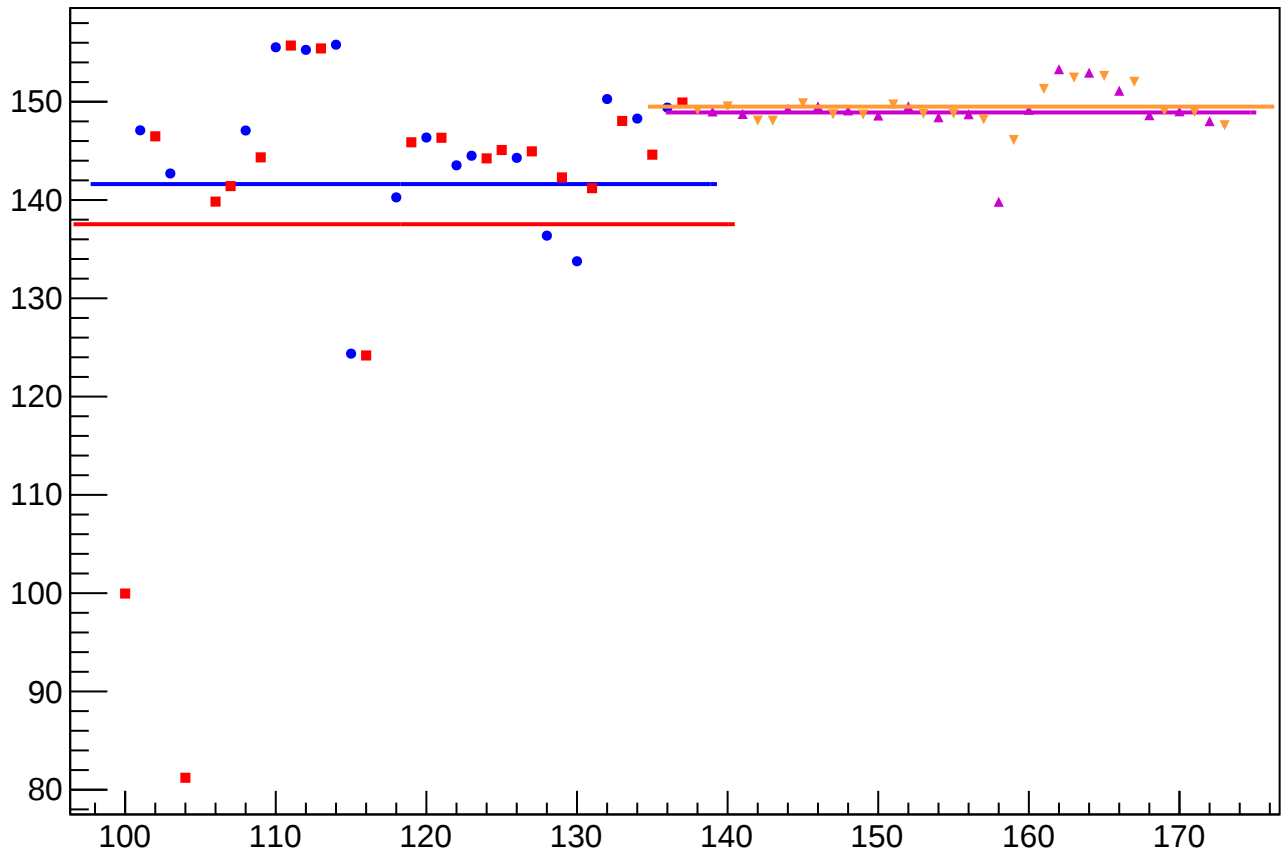
Left In: 0.614 $\pm$ 0.000 χ^2 /NDF:340820.3/16

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 30311626.4/35

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 58943092.8/71

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 28631100.1/35

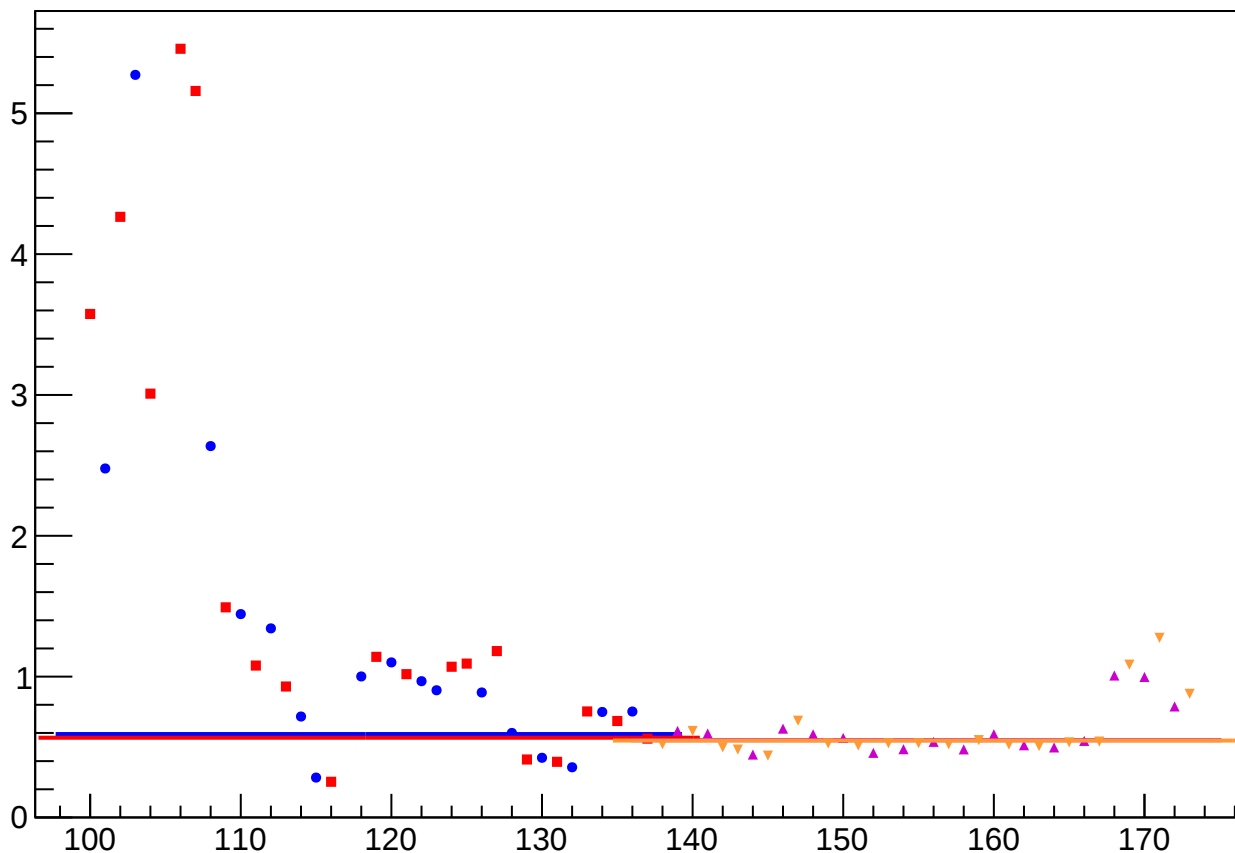
yield_cav4cQ_mean vs Slug



Right In: 141.622 ± 0.000 χ^2/NDF : 982037737.7/16
 Left Out: 149.501 ± 0.000 χ^2/NDF : 122424028.2/18
 Right Out: 137.536 ± 0.000 χ^2/NDF : 1315768553.6/18
 Left In: 148.909 ± 0.000 χ^2/NDF : 363958332.1/16

+ sign 147.920 ± 0.000 χ^2/NDF : 1606599312.5/35
 All: 147.174 ± 0.000 χ^2/NDF : 4413249428.4
 - sign 146.390 ± 0.000 χ^2/NDF : 2749148193.4/35

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

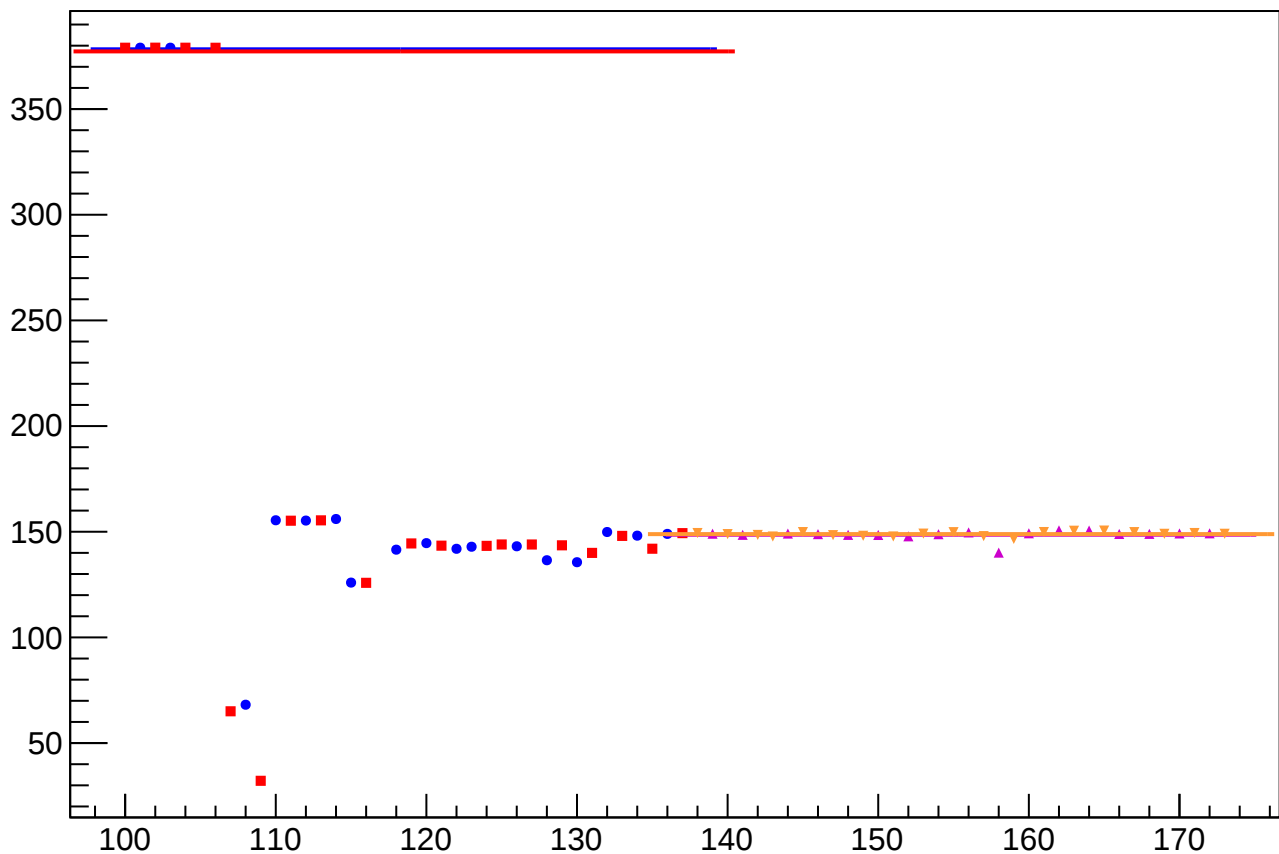
Left In: 0.549 $\pm$ 0.000 χ^2 /NDF: 954199.9/16

+ sign 0.555 $\pm$ 0.000 χ^2 /NDF: 4774463.3/35

All: 0.554 $\pm$ 0.000 χ^2 /NDF: 10416291.4/71

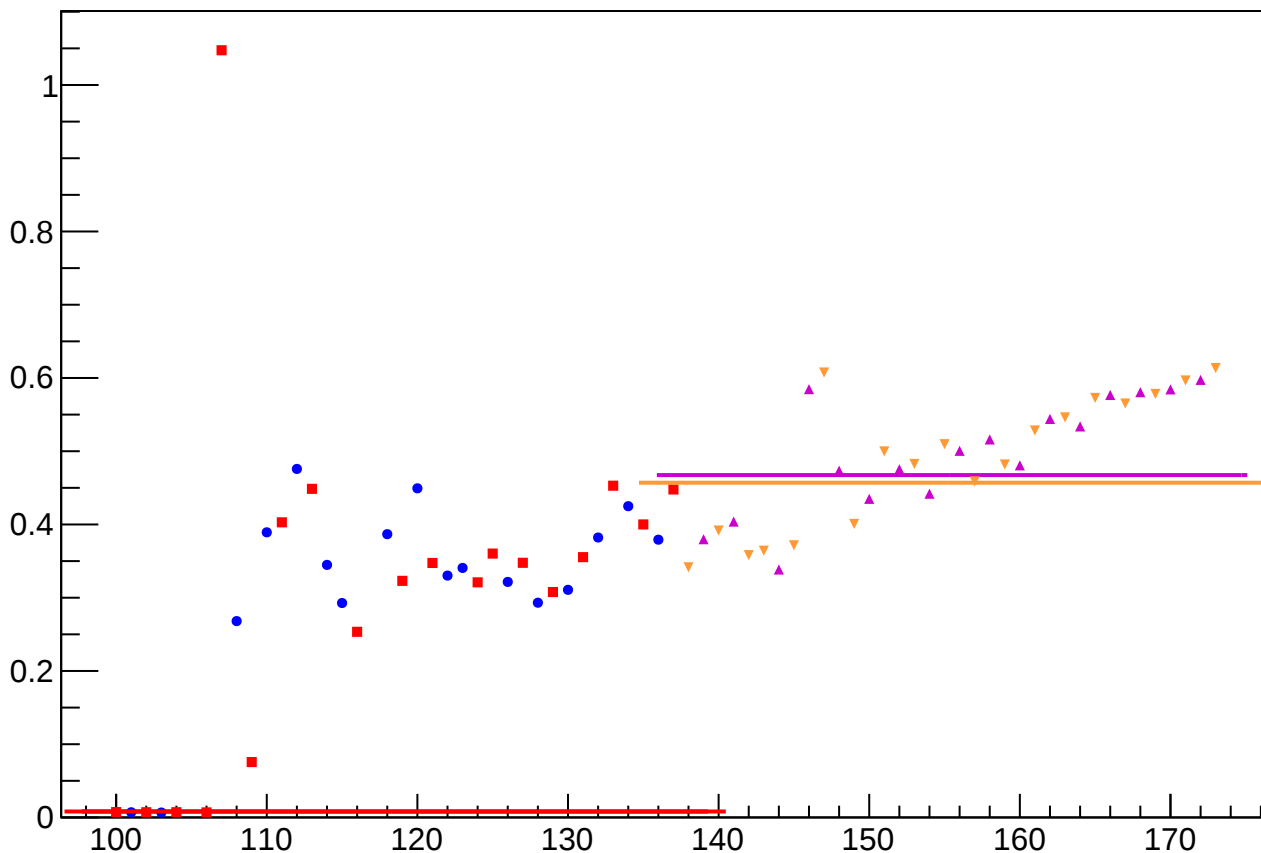
- sign 0.552 $\pm$ 0.000 χ^2 /NDF: 5641448.9/35

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: 148.583+/-0.000 χ^2 /NDF: 235299792.8/16

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9885759.8/16

Left Out: 0.457 $\pm$ 0.000 χ^2 /NDF: 1007171.3/18

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9535410.6/18

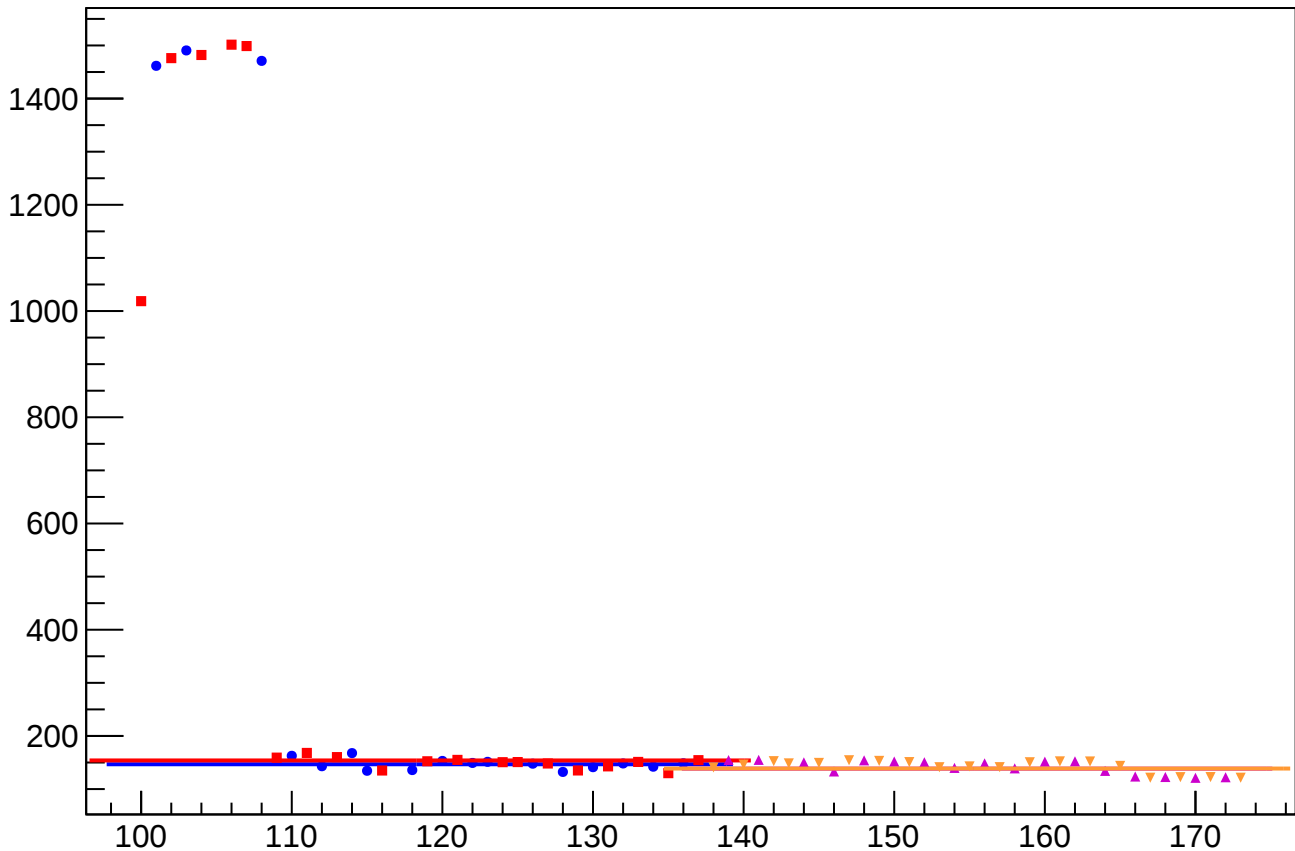
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 731417.7/16

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 36345411.6/35

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 70529491.5/71

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 34181860.5/35

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

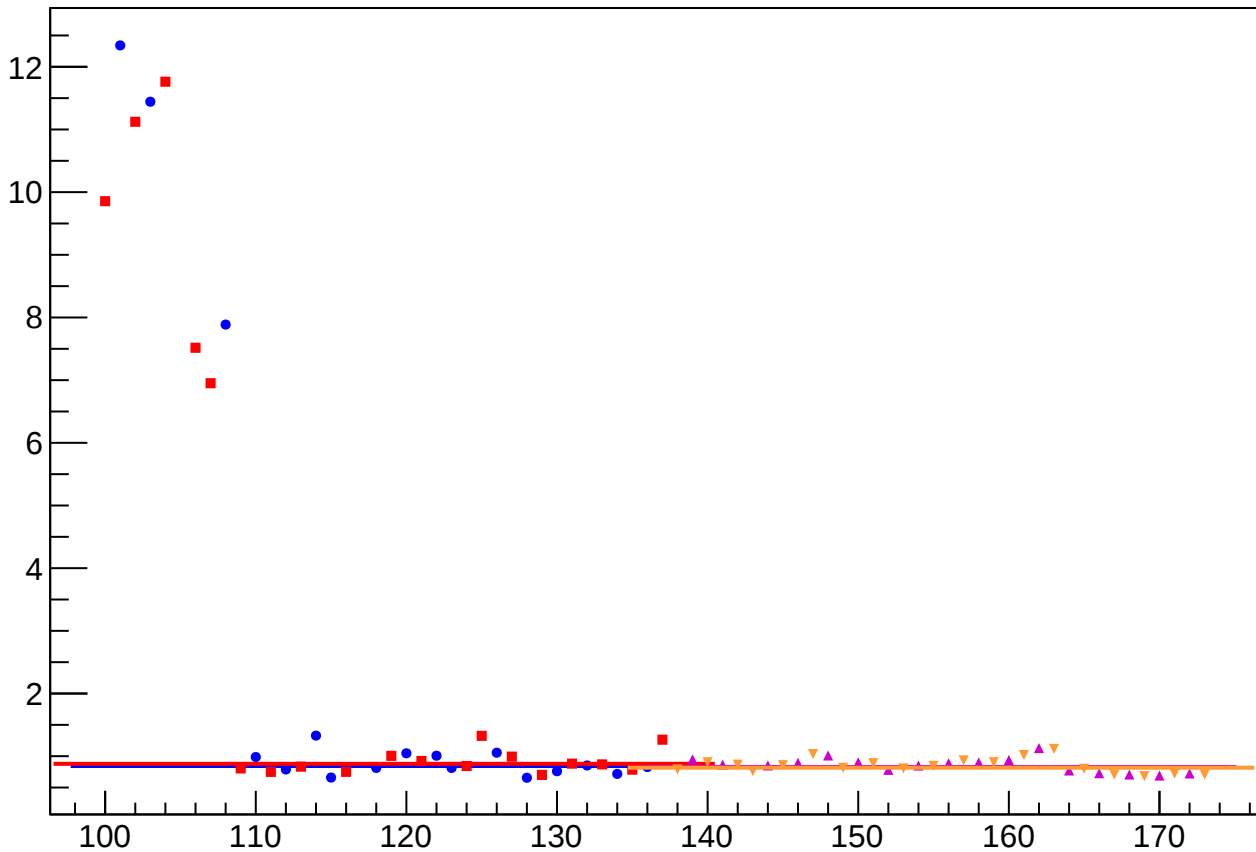
Left In: 138.412+/-0.000 χ^2/NDF : 2760141771.8/16

+ sign 140.543+/-0.000 χ^2/NDF : 27452791894.1/35

All: 141.377+/-0.000 χ^2/NDF : 64934897142.3/35

- sign 142.273+/-0.000 χ^2/NDF : 37449201172.3/35

yield_bcm0l02_rms vs Slug



Right In: 0.844 $\pm$ 0.000 χ^2 /NDF: 2670470.7/16

Left Out: 0.816 $\pm$ 0.000 χ^2 /NDF:421441.7/18

Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 2812500.6/18

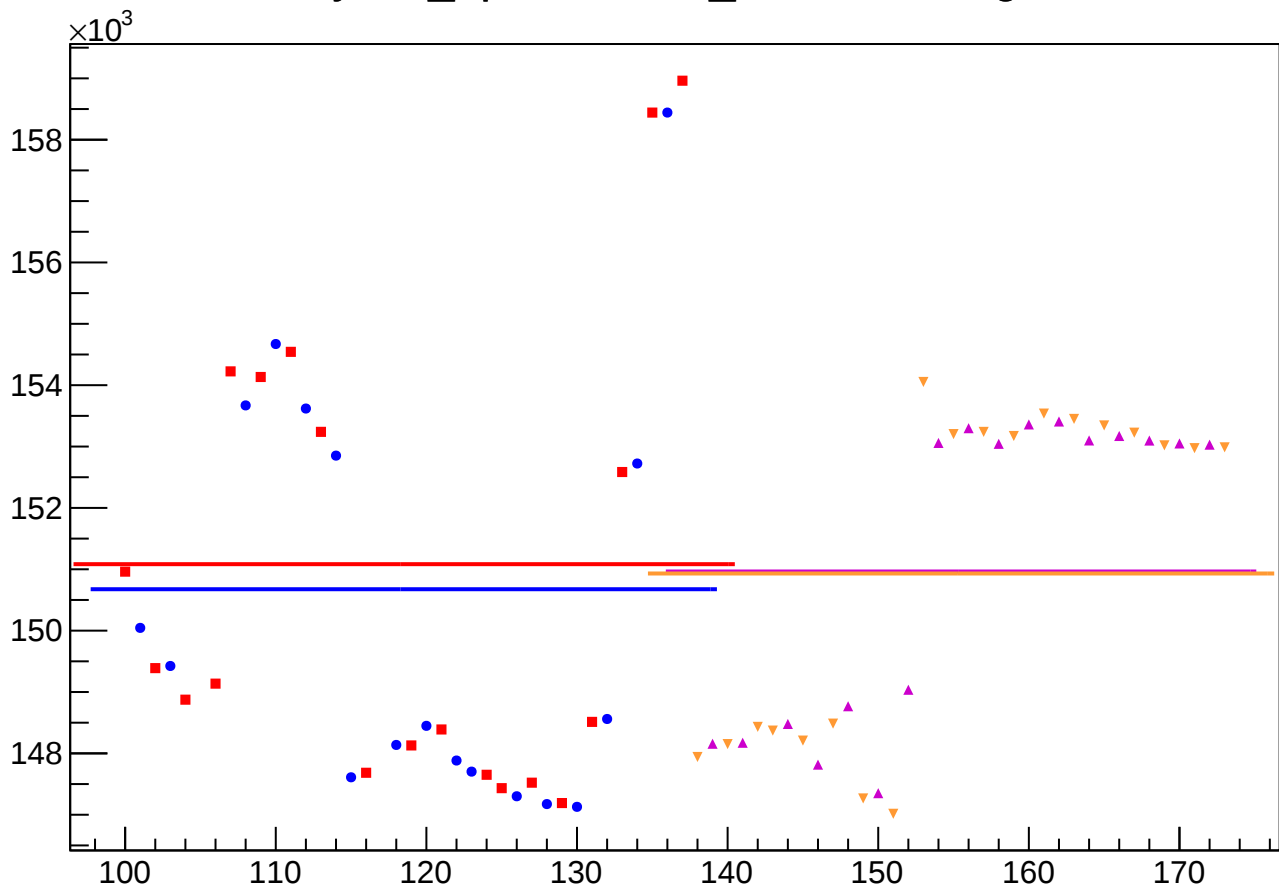
Left In: 0.828 $\pm$ 0.000 χ^2 /NDF:374352.0/16

+ sign 0.823 $\pm$ 0.000 χ^2 /NDF: 3097982.8/35

All: 0.831 $\pm$ 0.000 χ^2 /NDF: 6311888.0/71

- sign 0.840 $\pm$ 0.000 χ^2 /NDF: 3207029.5/35

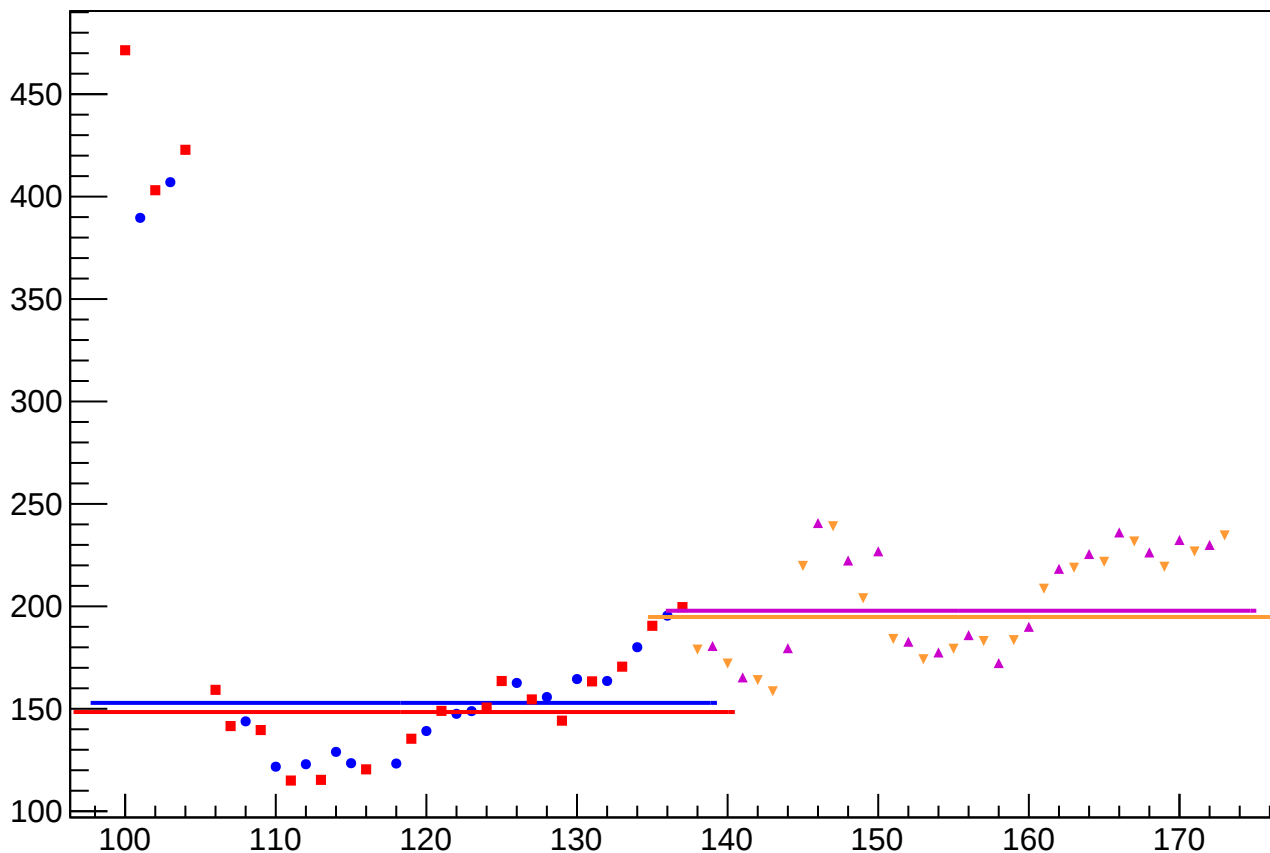
yield_bpm0i01WS_mean vs Slug



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: 150963.981 ± 0.055 $\chi^2/\text{NDF}: 1955016730.9/16$

+ sign 150826.438 ± 0.040 $\chi^2/\text{NDF}: 5986946940.8$
 All: 150922.077 ± 0.029 $\chi^2/\text{NDF}: 112563000$
 - sign 151019.027 ± 0.041 $\chi^2/\text{NDF}: 5257997812.6/16$

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 194.805 $\pm$ 0.037 χ^2 /NDF:439262.9/18

Right Out: 148.418 $\pm$ 0.042 χ^2 /NDF: 1191577.6/18

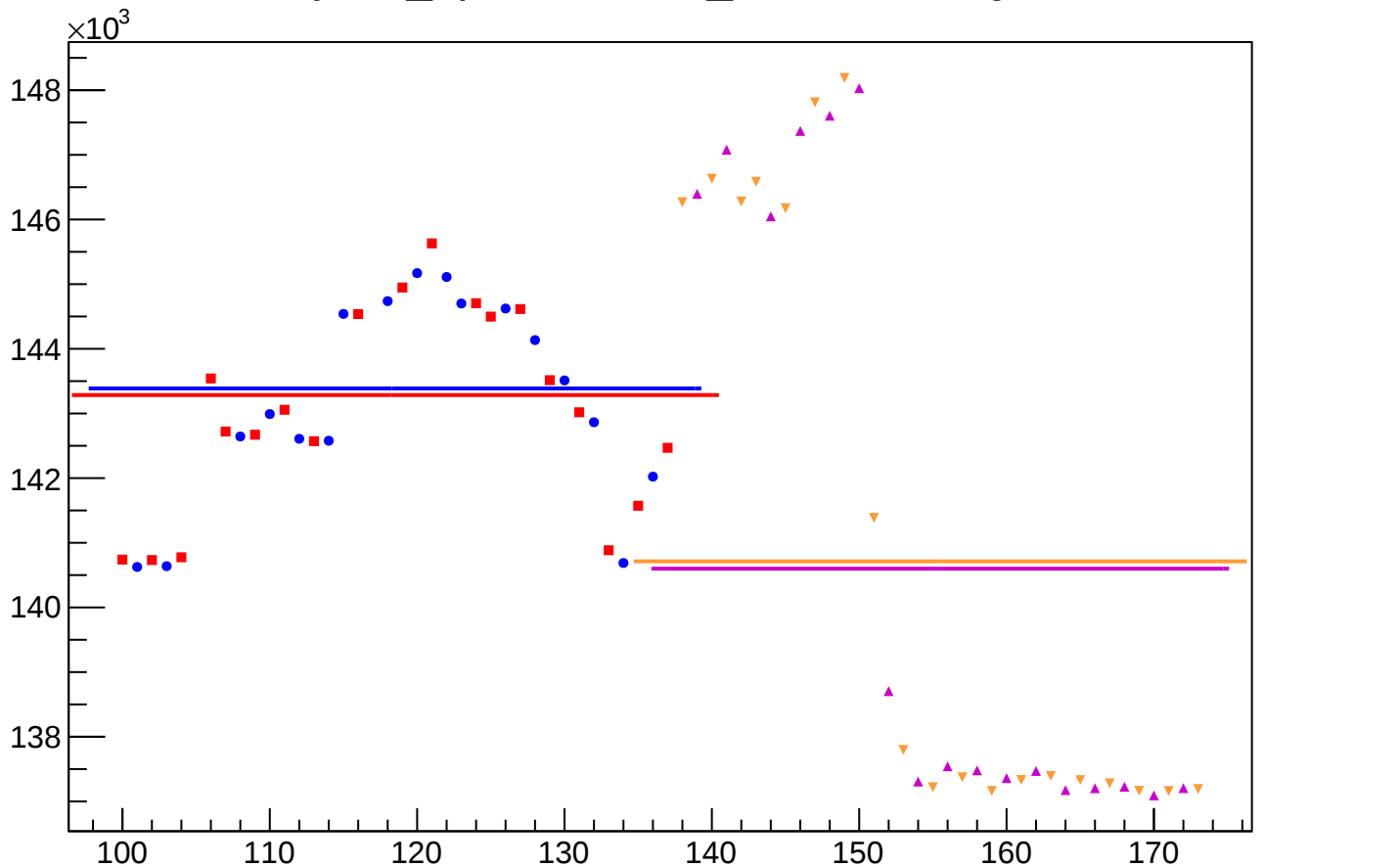
Left In: 197.857 $\pm$ 0.039 χ^2 /NDF:417933.1/16

+ sign 177.652 $\pm$ 0.028 χ^2 /NDF: 2117233.1/35

All: 176.357 $\pm$ 0.020 χ^2 /NDF: 4469783.7/71

- sign 175.043 $\pm$ 0.029 χ^2 /NDF: 2348383.4/35

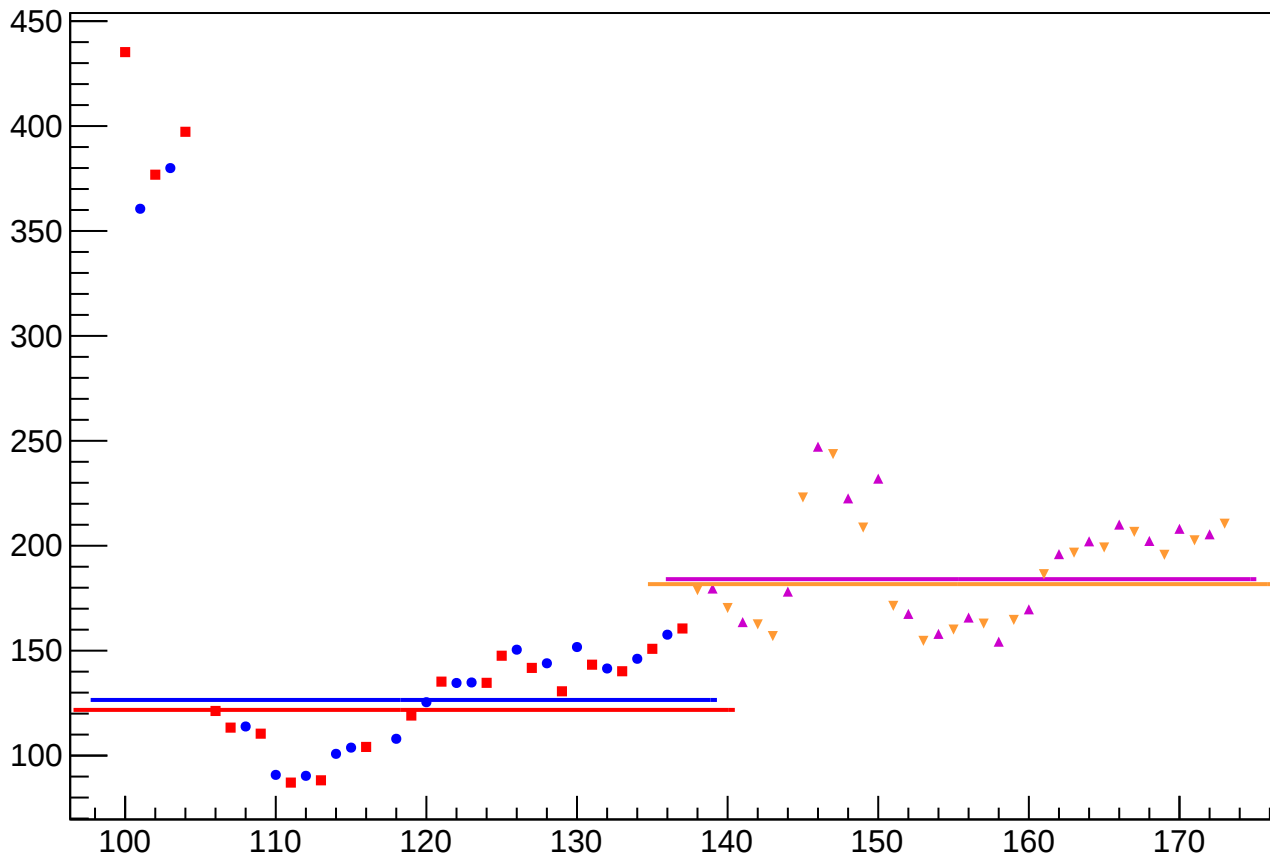
yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099+/-0.053 χ^2/NDF : 521299875.7/16
 Left Out: 140712.601+/-0.049 χ^2/NDF : 8083637012.2/18
 Right Out: 143284.757+/-0.049 χ^2/NDF : 608634820.1/18
 Left In: 140599.571+/-0.052 χ^2/NDF : 7555936507.9/16

+ sign 141949.716+/-0.036 χ^2/NDF : 9987867113.2
 All: 141978.343+/-0.025 χ^2/NDF : 19577435
 - sign 142006.466+/-0.036 χ^2/NDF : 9588304592.6

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

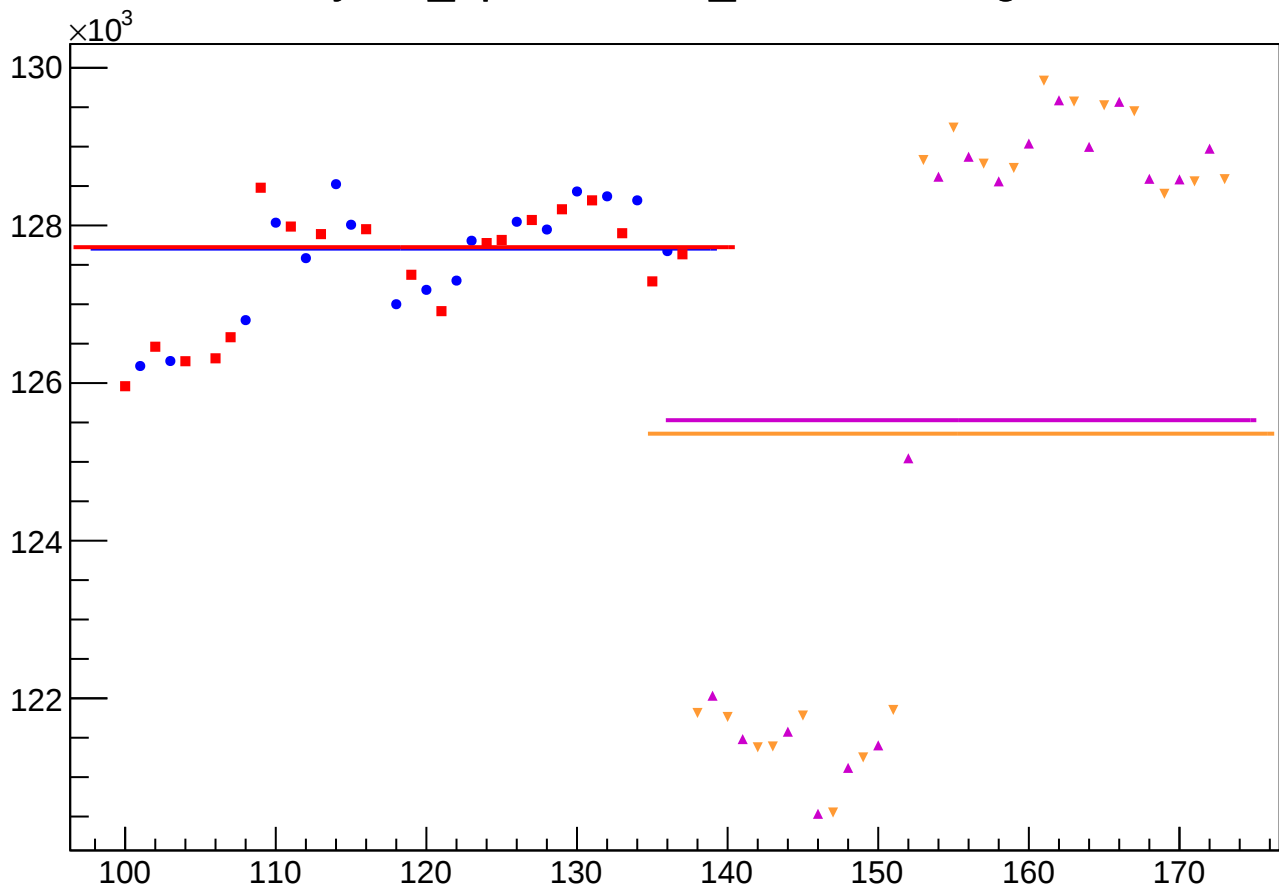
Left In: 184.080 $\pm$ 0.036 χ^2 /NDF: 484527.7/16

+ sign 156.175 $\pm$ 0.025 χ^2 /NDF: 3063539.4/35

All: 153.783 $\pm$ 0.018 χ^2 /NDF: 6562712.4/71

- sign 151.434 $\pm$ 0.025 χ^2 /NDF: 3481534.9/35

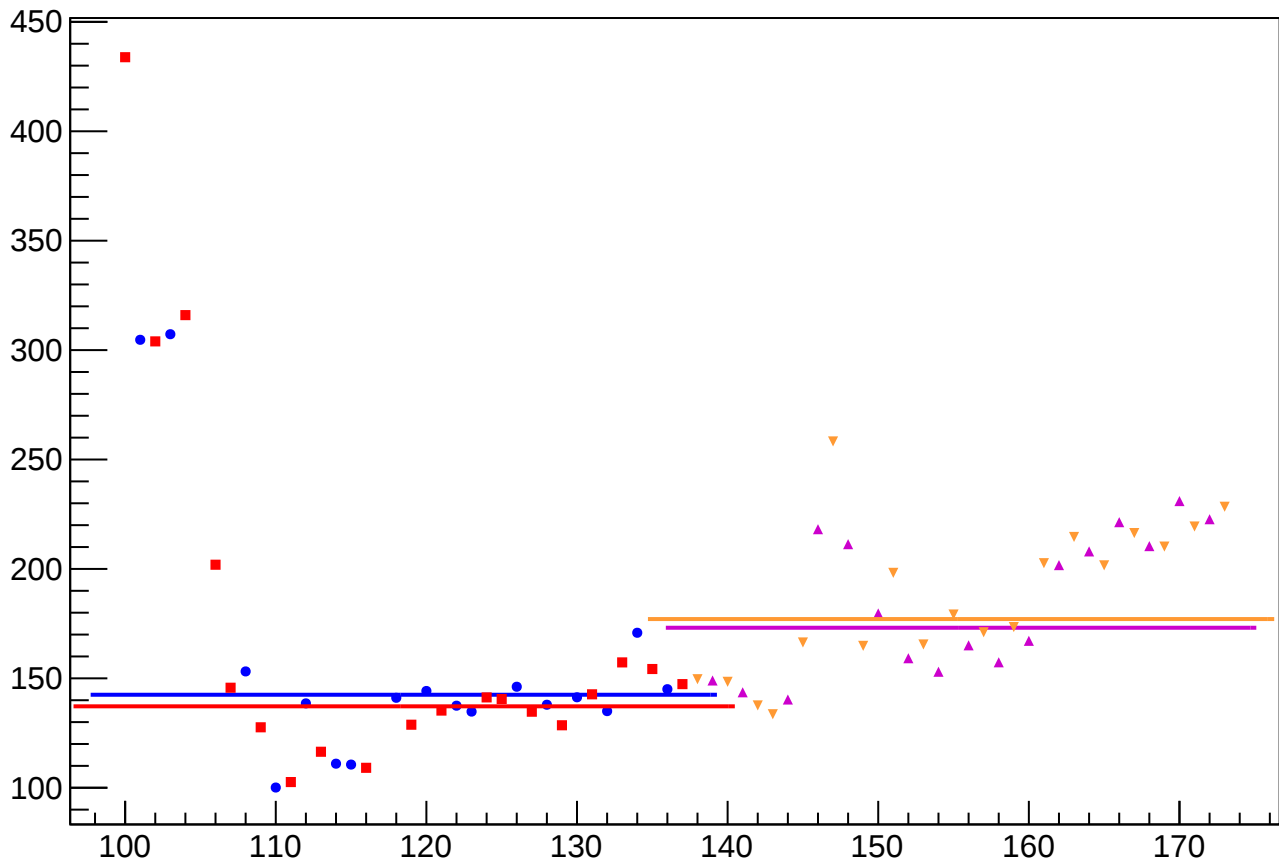
yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 ± 0.058 $\chi^2/\text{NDF}: 97860521.1/16$
 Left Out: 125357.889 ± 0.048 $\chi^2/\text{NDF}: 6057521360.8/18$
 Right Out: 127724.256 ± 0.055 $\chi^2/\text{NDF}: 112614317.2/18$
 Left In: 125528.947 ± 0.049 $\chi^2/\text{NDF}: 5308678174.2/16$

+ sign 126318.256 ± 0.037 $\chi^2/\text{NDF}: 7122281573.4$
 All: 126414.558 ± 0.026 $\chi^2/\text{NDF}: 134554750$
 - sign 126507.101 ± 0.036 $\chi^2/\text{NDF}: 6320001306.7$

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 ± 0.041 χ^2/NDF : 836263.7/16

Left Out: 177.091 ± 0.034 χ^2/NDF : 813040.5/18

Right Out: 137.211 ± 0.039 χ^2/NDF : 957317.1/18

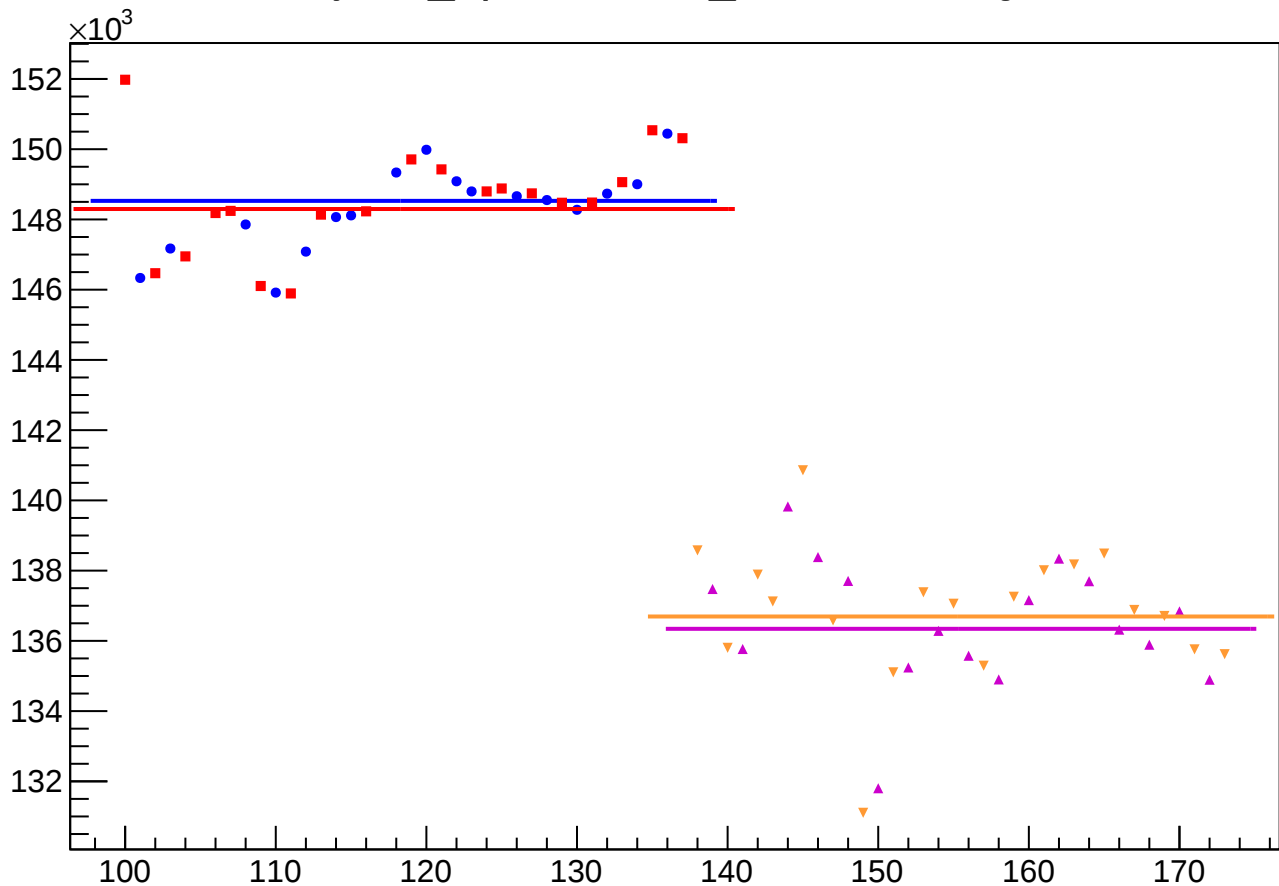
Left In: 173.121 ± 0.035 χ^2/NDF : 714167.6/16

+ sign 162.945 ± 0.026 χ^2/NDF : 2068852.4/35

All: 159.975 ± 0.018 χ^2/NDF : 4246363.5/71

- sign 157.121 ± 0.026 χ^2/NDF : 2152417.2/35

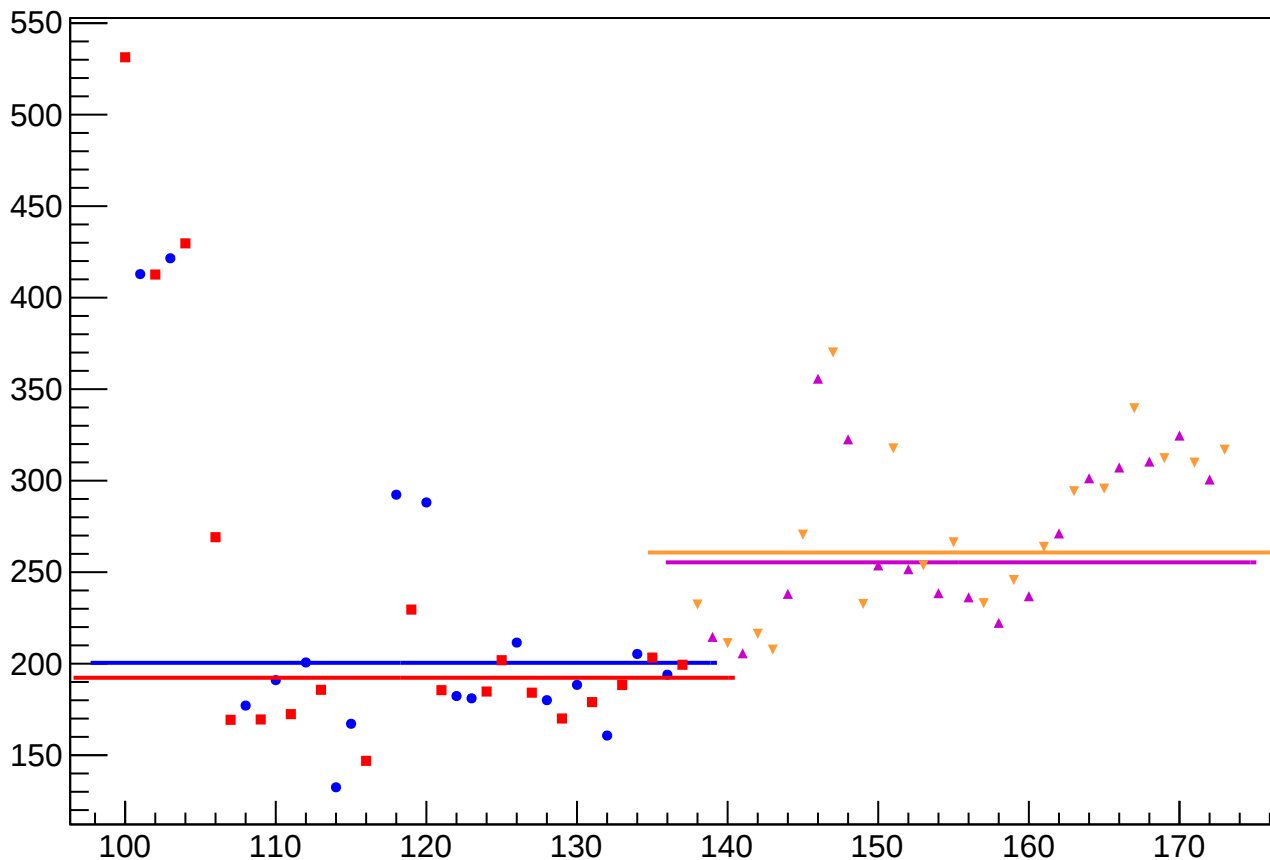
yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 ± 0.082 $\chi^2/\text{NDF}: 209986594.2/16$
 Left Out: 136693.935 ± 0.071 $\chi^2/\text{NDF}: 846654040.7/18$
 Right Out: 148297.126 ± 0.076 $\chi^2/\text{NDF}: 293244556.5/18$
 Left In: 136342.948 ± 0.072 $\chi^2/\text{NDF}: 658105195.7/16$

+ sign 141736.213 ± 0.054 $\chi^2/\text{NDF}: 12991764714.0$
 All: 141842.952 ± 0.037 $\chi^2/\text{NDF}: 269569655.0$
 - sign 141944.718 ± 0.052 $\chi^2/\text{NDF}: 13957445462.0$

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

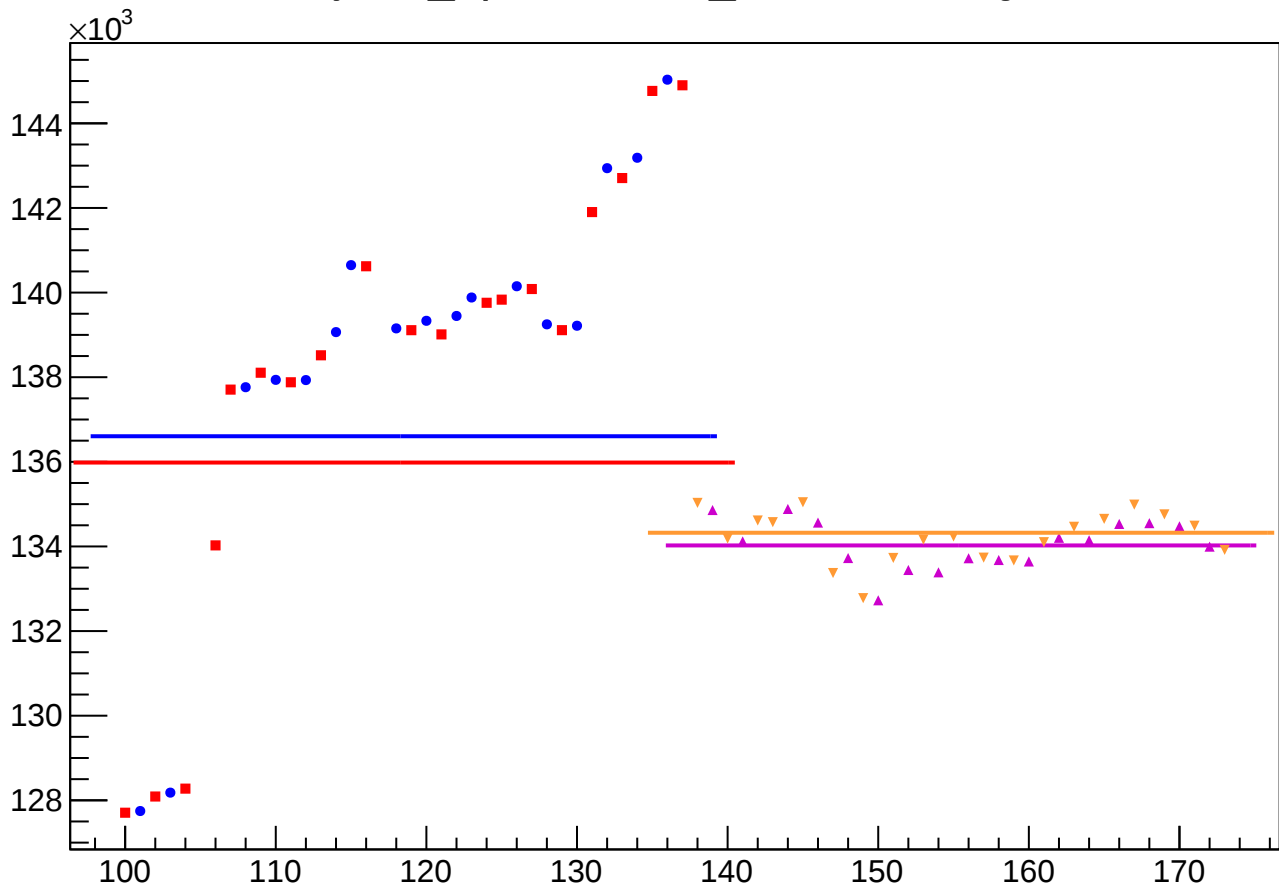
Left In: 255.372 $\pm$ 0.051 χ^2 /NDF: 629766.1/16

+ sign 235.073 $\pm$ 0.038 χ^2 /NDF: 2268781.7/35

All: 230.335 $\pm$ 0.026 χ^2 /NDF: 4497632.3/71

- sign 225.818 $\pm$ 0.037 χ^2 /NDF: 2198288.3/35

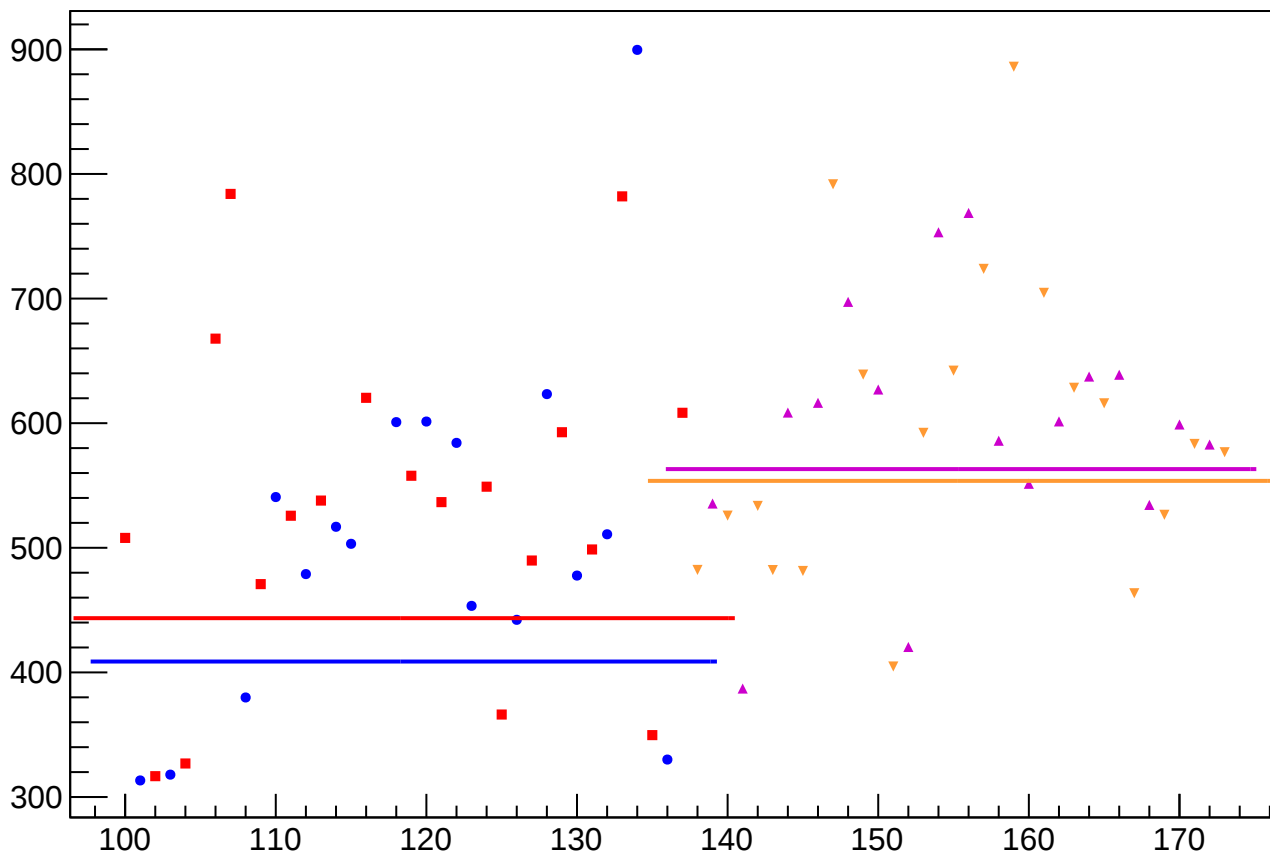
yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16
 Left Out: 134323.806 $\pm$ 0.158 χ^2 /NDF: 13691563.4/18
 Right Out: 135982.842 $\pm$ 0.183 χ^2 /NDF: 1082431147.9/18
 Left In: 134024.008 $\pm$ 0.169 χ^2 /NDF: 10815568.3/16

+ sign 135369.861 $\pm$ 0.116 χ^2 /NDF: 1603867227.7
 All: 135163.190 $\pm$ 0.085 χ^2 /NDF: 276585783
 - sign 134927.248 $\pm$ 0.124 χ^2 /NDF: 1155204457.5

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

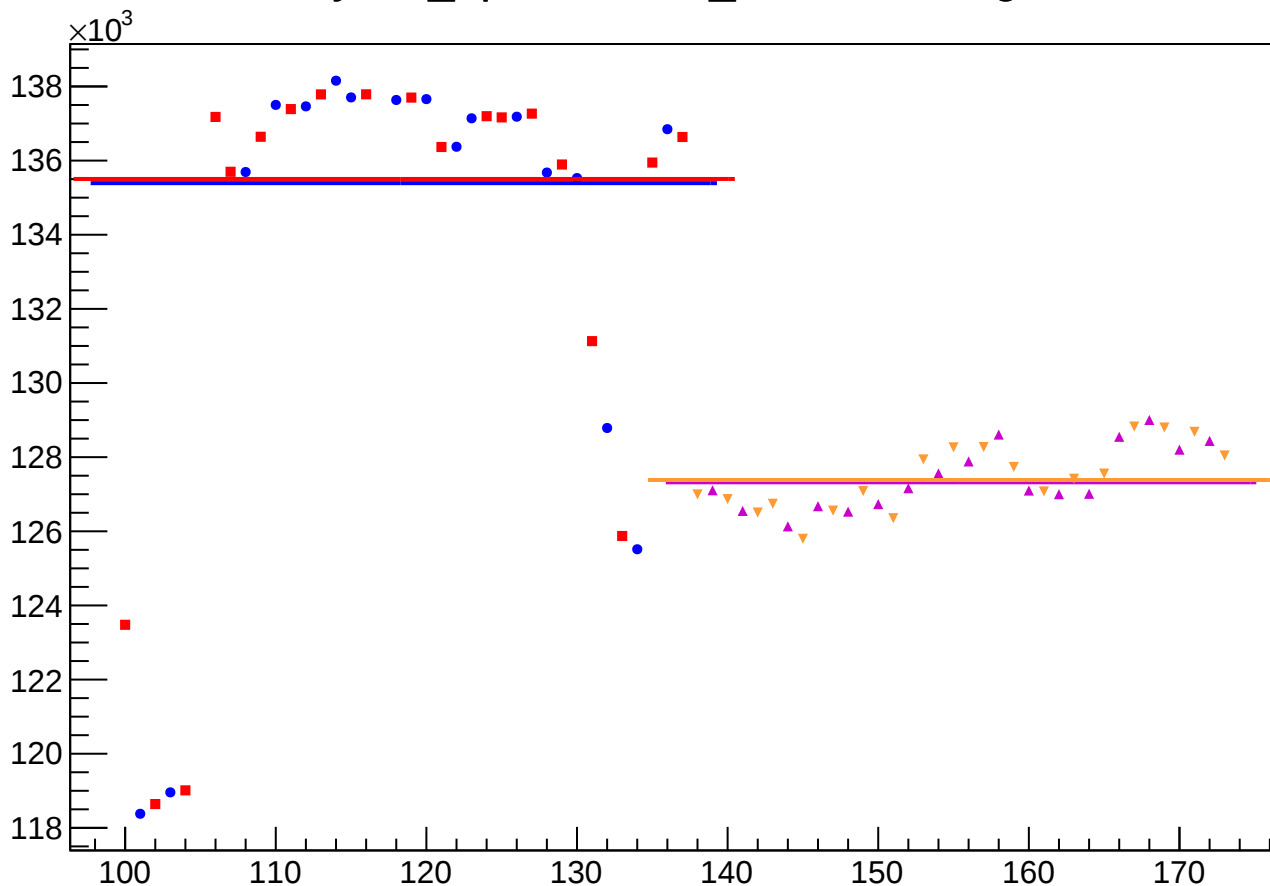
Left In: 563.155 $\pm$ 0.119 χ^2 /NDF: 748329.8/16

+ sign 487.211 $\pm$ 0.082 χ^2 /NDF: 2486670.9/35

All: 496.914 $\pm$ 0.060 χ^2 /NDF: 4644617.6/71

- sign 507.991 $\pm$ 0.088 χ^2 /NDF: 2128032.1/35

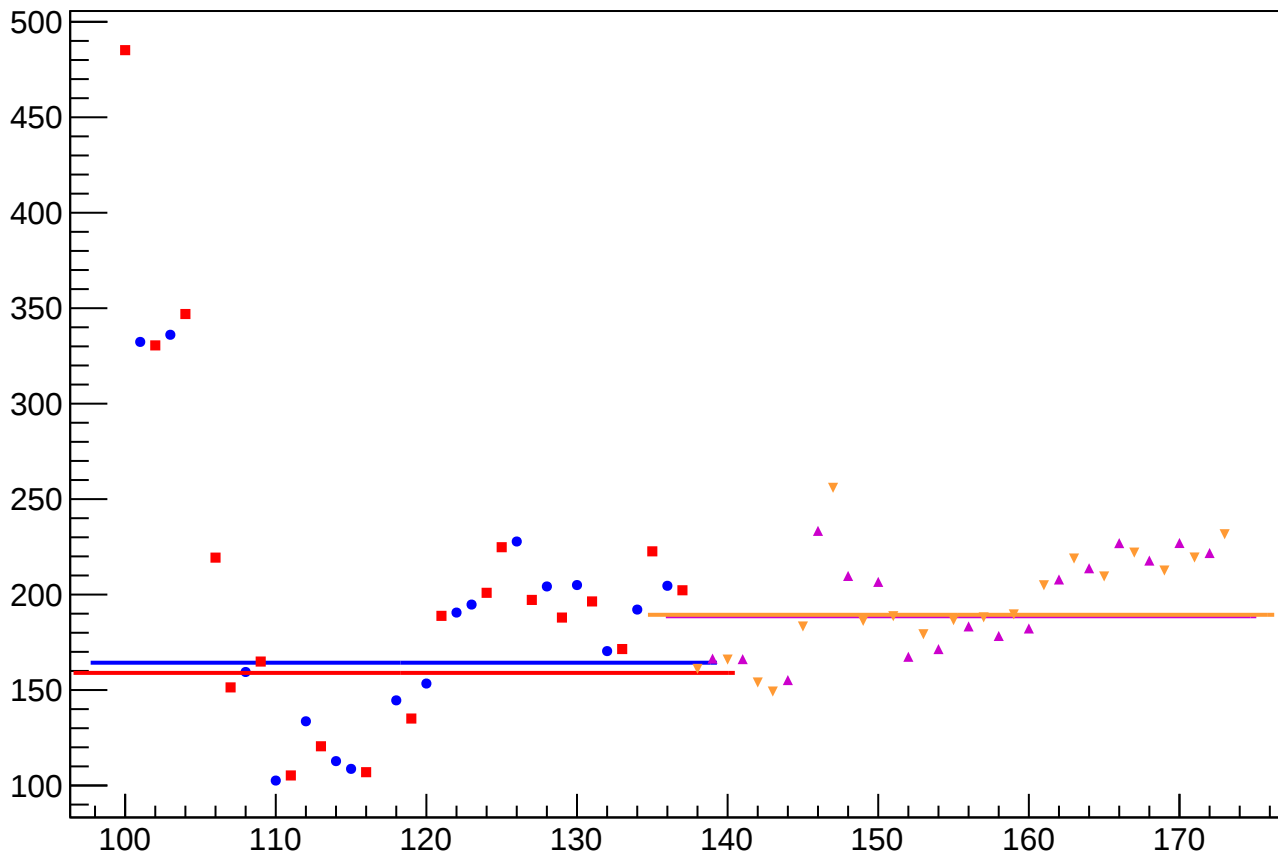
yield_bpm0l04WS_mean vs Slug



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: 127321.537 $\pm$ 0.053 χ^2 /NDF: 244567832.9/16

+ sign 130264.487 $\pm$ 0.041 χ^2 /NDF: 13664419461.4
 All: 130439.495 $\pm$ 0.029 χ^2 /NDF: 283297504
 - sign 130613.647 $\pm$ 0.041 χ^2 /NDF: 14628875961.6

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

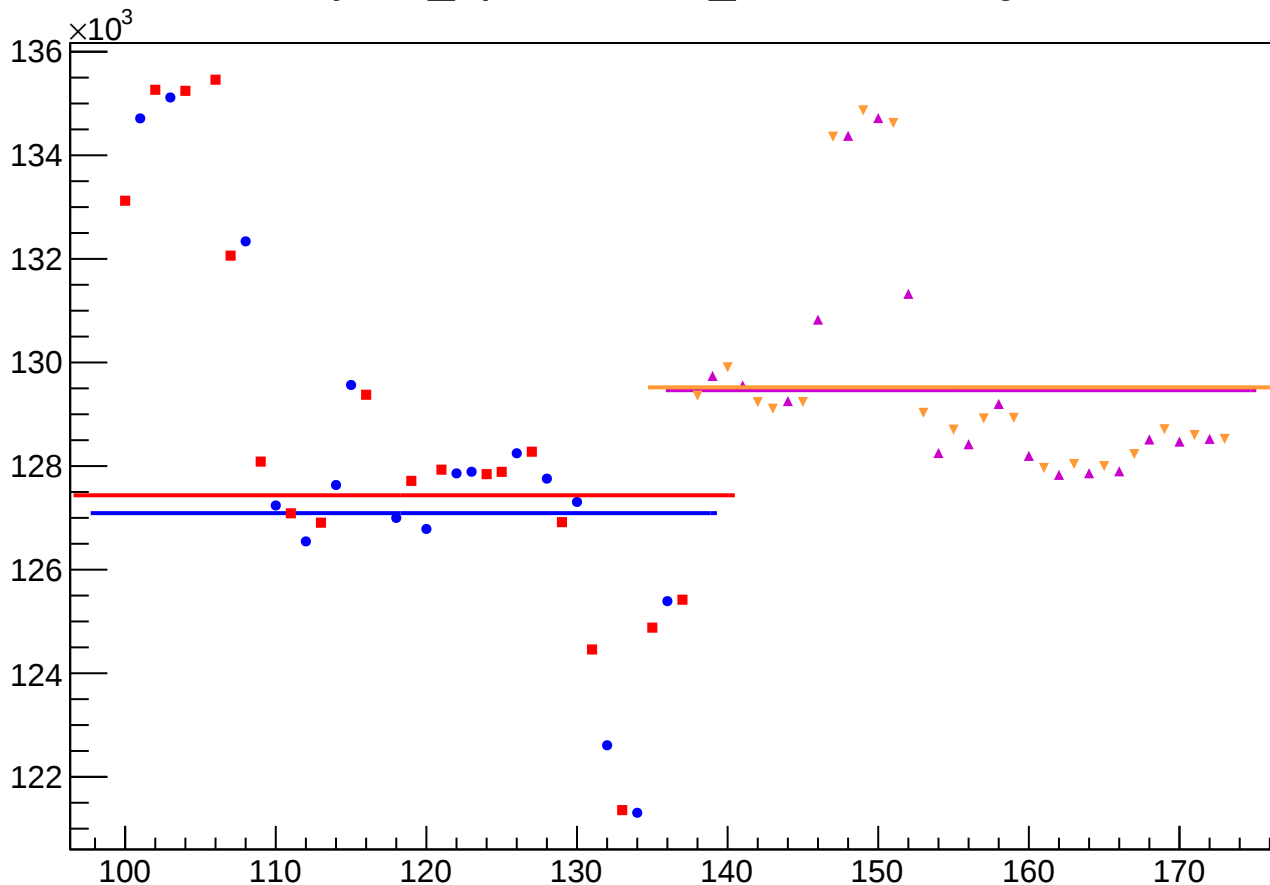
Left In: 188.635 ± 0.037 χ^2/NDF : 436813.0/16

+ sign 180.382 ± 0.029 χ^2/NDF : 1906157.2/35

All: 178.538 ± 0.020 χ^2/NDF : 3988709.9/71

- sign 176.704 ± 0.029 χ^2/NDF : 2074461.9/35

yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 $\pm$ 0.066 χ^2 /NDF: 1717208780.6/16

Left Out: 129519.931 $\pm$ 0.051 χ^2 /NDF: 1367997633.8/18

Right Out: 127436.101 $\pm$ 0.062 χ^2 /NDF: 2079075713.9/18

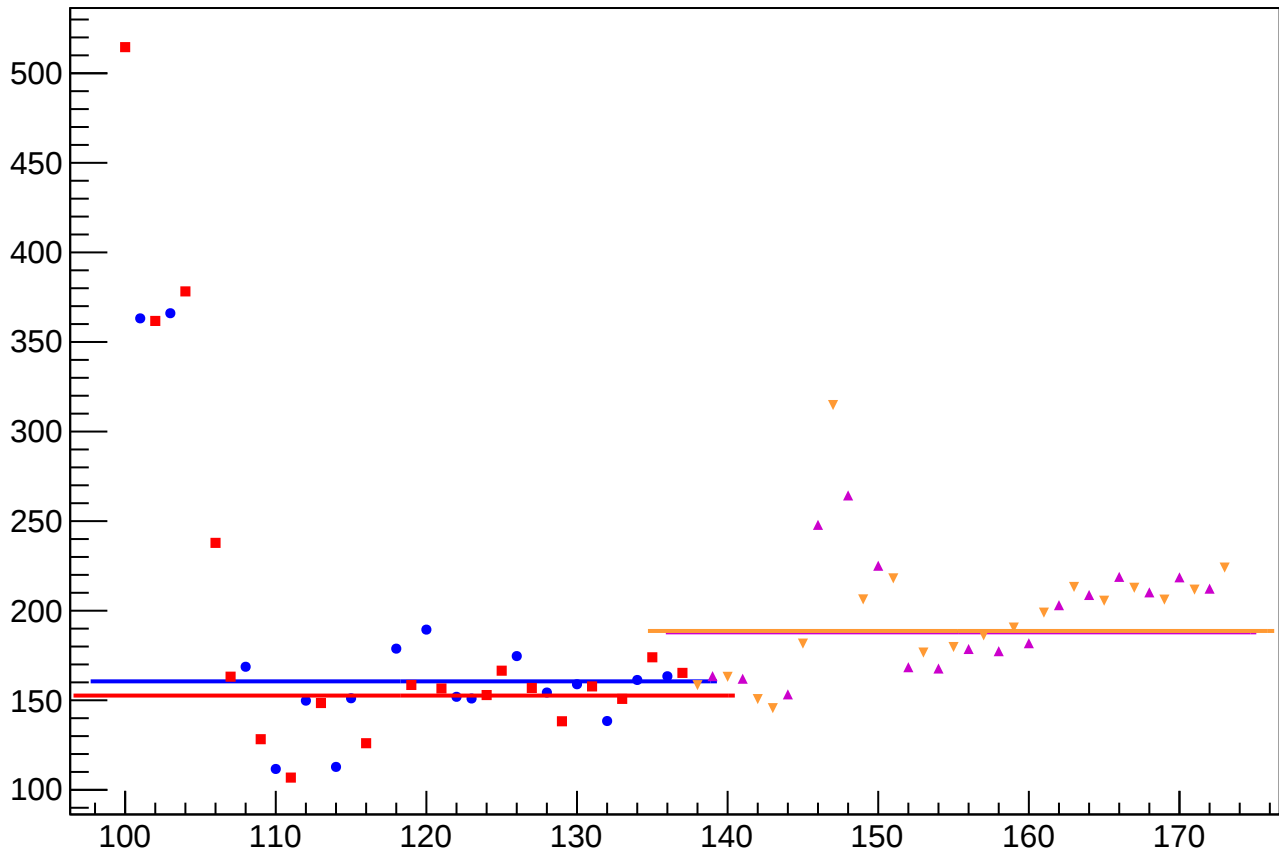
Left In: 129465.297 $\pm$ 0.053 χ^2 /NDF: 1124609263.9/16

+ sign 128611.998 $\pm$ 0.041 χ^2 /NDF: 3925127578.3/16

All: 128608.285 $\pm$ 0.029 χ^2 /NDF: 775485263.9/16

- sign 128604.656 $\pm$ 0.040 χ^2 /NDF: 3829708446.6/16

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

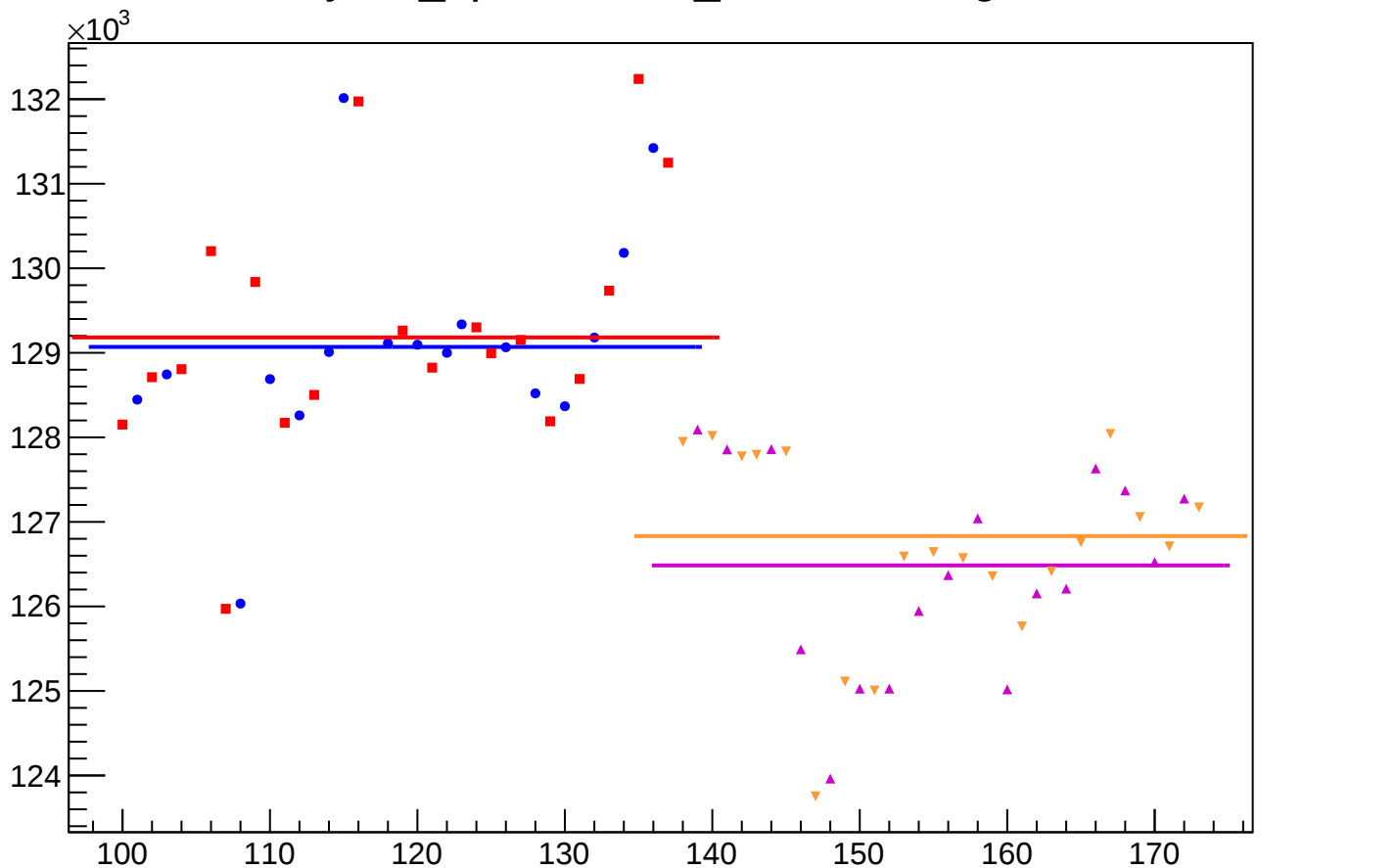
Left In: 187.913 $\pm$ 0.037 χ^2 /NDF: 594230.9/16

+ sign 178.176 $\pm$ 0.029 χ^2 /NDF: 1842639.7/35

All: 175.532 $\pm$ 0.020 χ^2 /NDF: 3918755.2/71

- sign 172.948 $\pm$ 0.028 χ^2 /NDF: 2059297.0/35

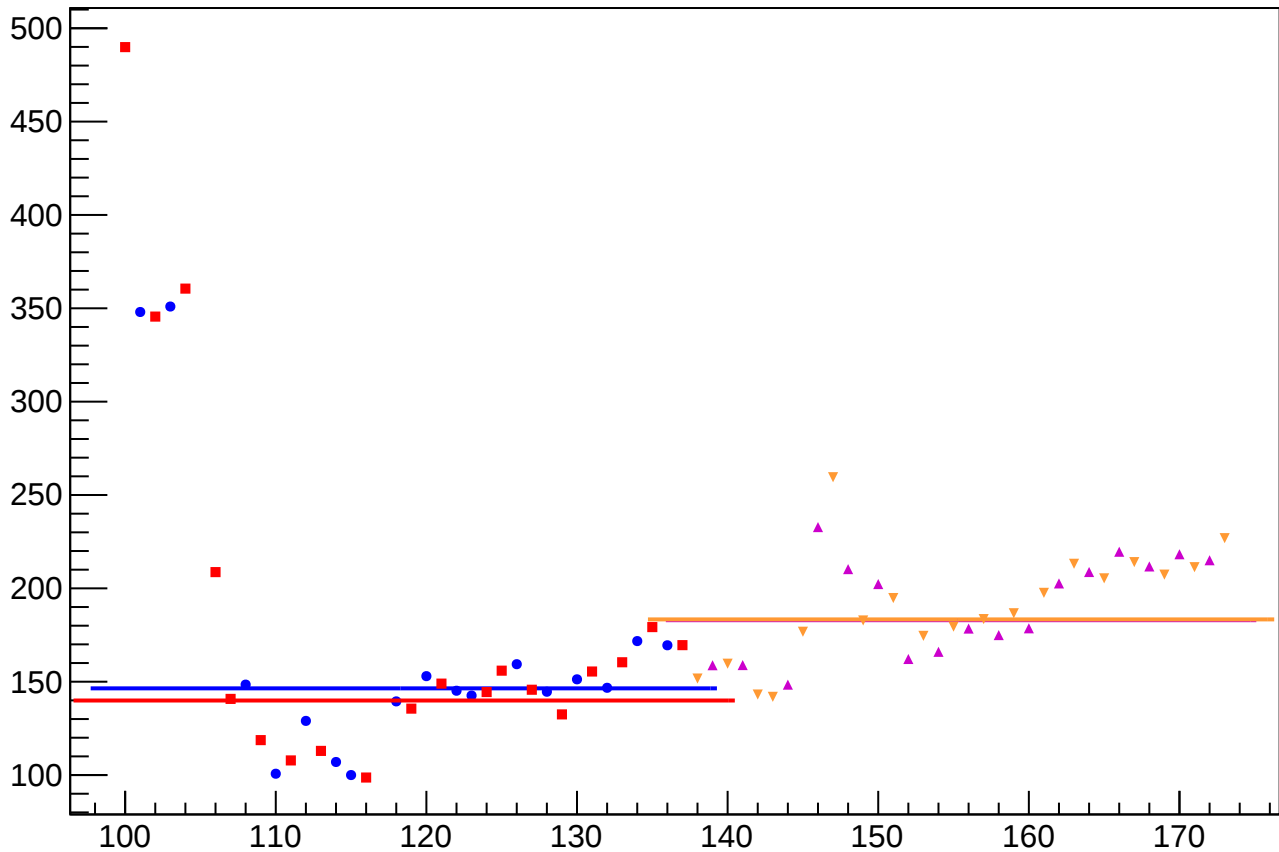
yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060 $\chi^2/\text{NDF}: 476692316.5/16$
 Left Out: 126832.365 ± 0.050 $\chi^2/\text{NDF}: 464133085.4/18$
 Right Out: 129181.887 ± 0.056 $\chi^2/\text{NDF}: 625597399.6/18$
 Left In: 126485.088 ± 0.051 $\chi^2/\text{NDF}: 552329962.2/16$

+ sign 127738.324 ± 0.038 $\chi^2/\text{NDF}: 1763549315.0$
 All: 127725.436 ± 0.027 $\chi^2/\text{NDF}: 42008864$
 - sign 127712.844 ± 0.038 $\chi^2/\text{NDF}: 2437113172.9$

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 $\pm$ 0.043 χ^2 /NDF: 1064791.0/16

Left Out: 183.366 $\pm$ 0.035 χ^2 /NDF: 604312.4/18

+ sign 168.413 $\pm$ 0.027 χ^2 /NDF: 2117406.4/35

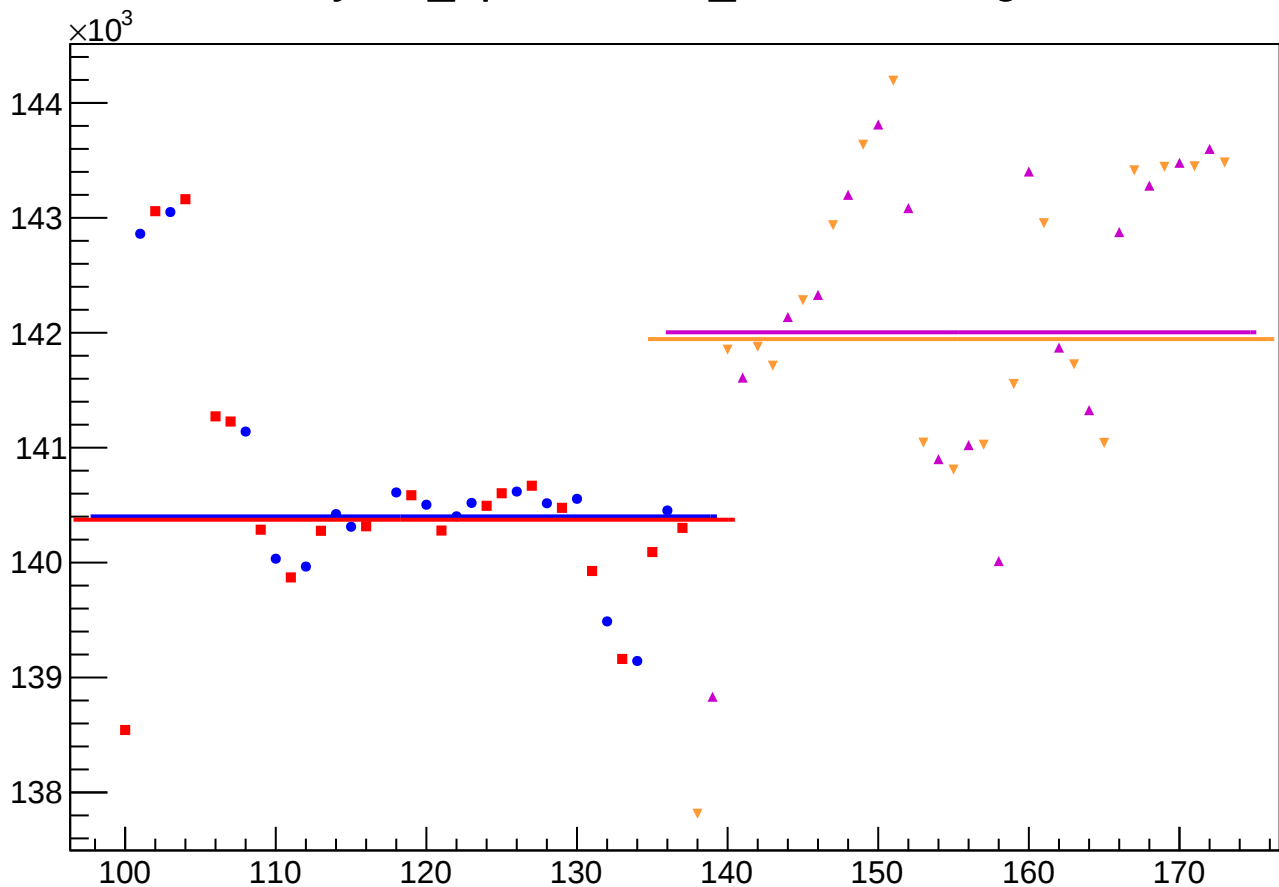
Right Out: 139.929 $\pm$ 0.040 χ^2 /NDF: 1203570.9/18

All: 165.858 $\pm$ 0.019 χ^2 /NDF: 4469075.9/71

- sign 163.361 $\pm$ 0.027 χ^2 /NDF: 2334061.3/35

Left In: 182.945 $\pm$ 0.036 χ^2 /NDF: 489763.6/16

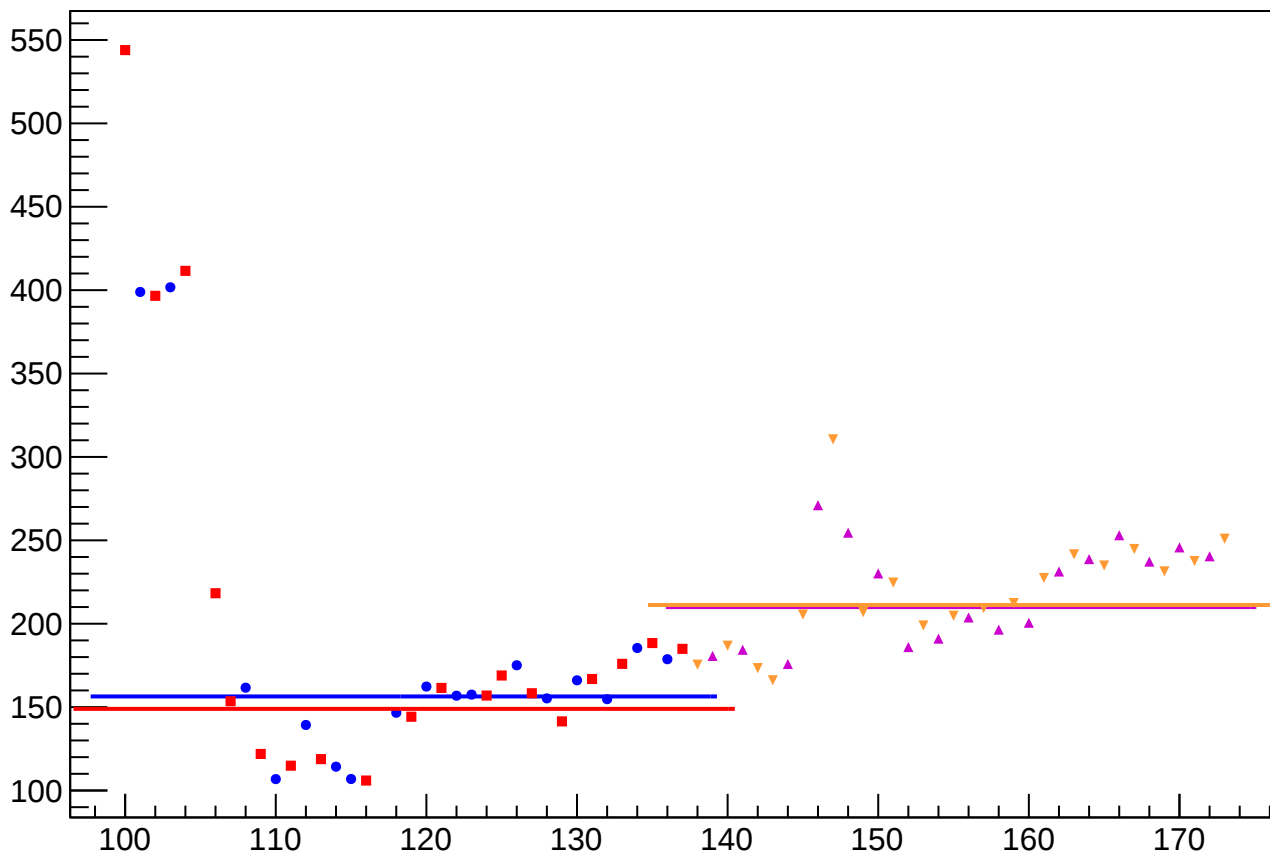
yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 ± 0.064 $\chi^2/\text{NDF}: 88071774.7/16$
 Left Out: 141944.978 ± 0.057 $\chi^2/\text{NDF}: 732827228.7/18$
 Right Out: 140373.163 ± 0.060 $\chi^2/\text{NDF}: 99854533.3/18$
 Left In: 142004.138 ± 0.059 $\chi^2/\text{NDF}: 571796066.4/16$

+ sign 141264.044 ± 0.043 $\chi^2/\text{NDF}: 1142127590.4$
 All: 141232.403 ± 0.030 $\chi^2/\text{NDF}: 219218295$
 - sign 141201.895 ± 0.042 $\chi^2/\text{NDF}: 1048979242.9/16$

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

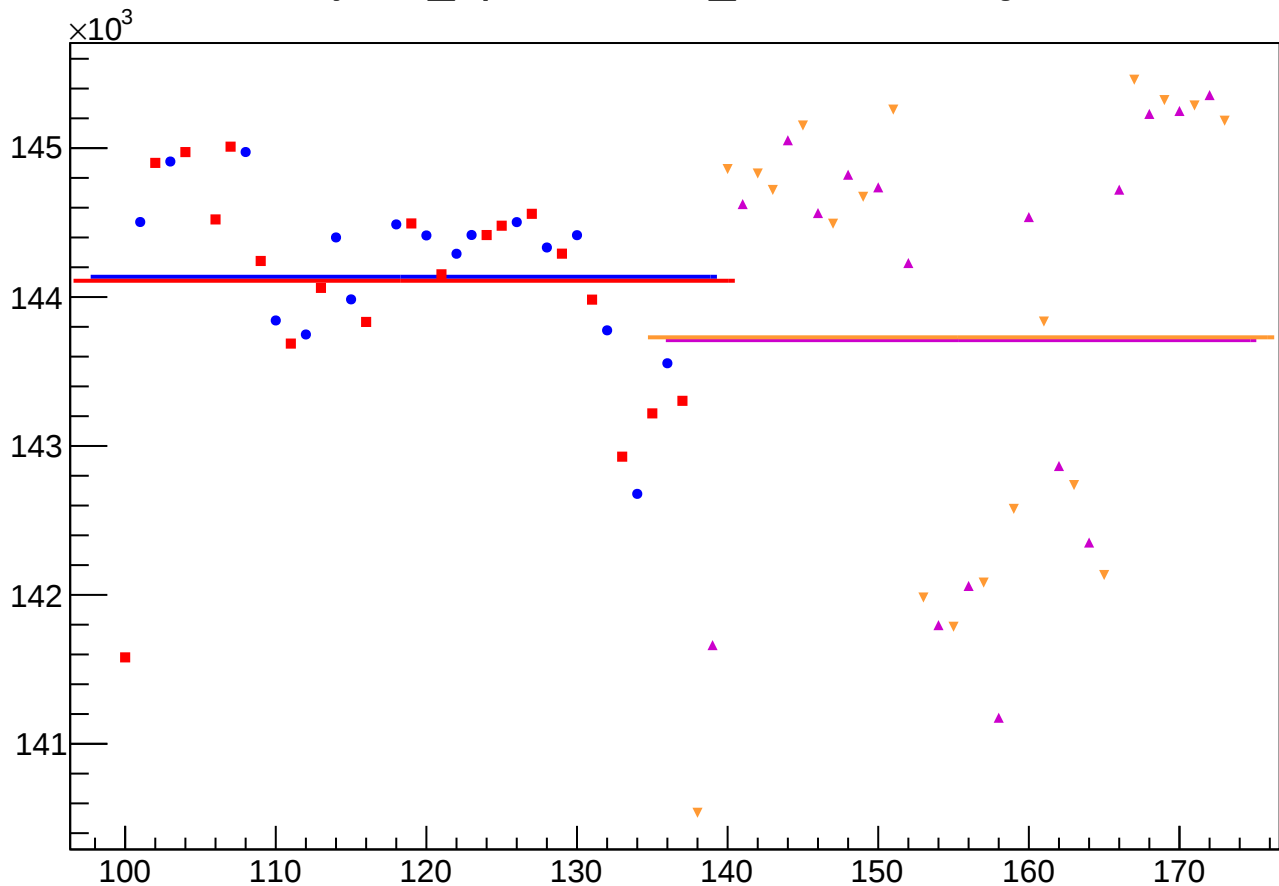
Left In: 209.964 $\pm$ 0.042 χ^2 /NDF: 465671.0/16

+ sign 187.027 $\pm$ 0.030 χ^2 /NDF: 2499039.4/35

All: 183.425 $\pm$ 0.021 χ^2 /NDF: 5356395.3/71

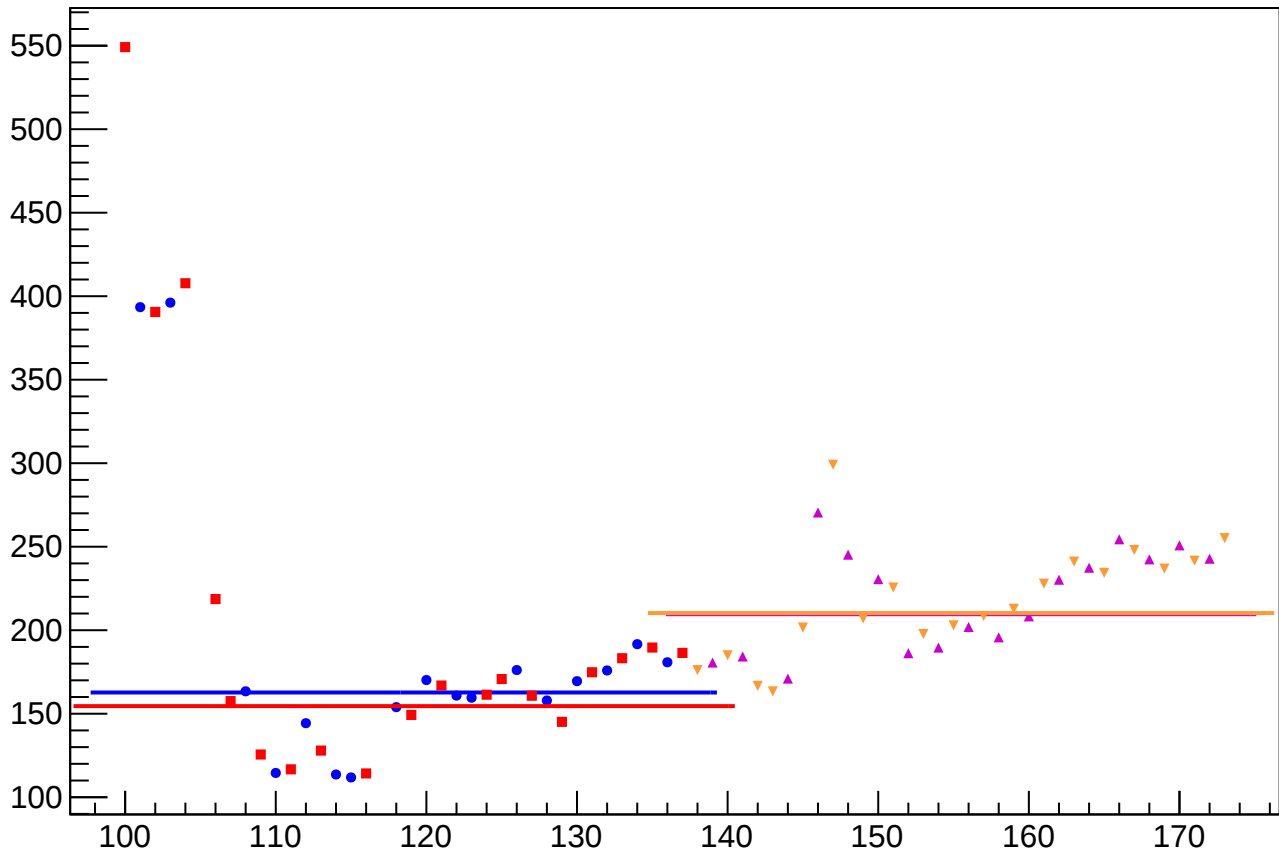
- sign 179.952 $\pm$ 0.030 χ^2 /NDF: 2829463.0/35

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 ± 0.067	$\chi^2/\text{NDF}: 47069480.3/16$	+ sign 143900.743 ± 0.043	$\chi^2/\text{NDF}: 834481578.7/3$
Left Out: 143729.533 ± 0.057	$\chi^2/\text{NDF}: 765945794.4/18$	All: 143900.380 ± 0.030	$\chi^2/\text{NDF}: 154311819$
Right Out: 144109.419 ± 0.062	$\chi^2/\text{NDF}: 65258627.2/18$	- sign 143900.028 ± 0.043	$\chi^2/\text{NDF}: 708636481.2/3$
Left In: 143710.705 ± 0.059	$\chi^2/\text{NDF}: 621566418.4/16$		

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

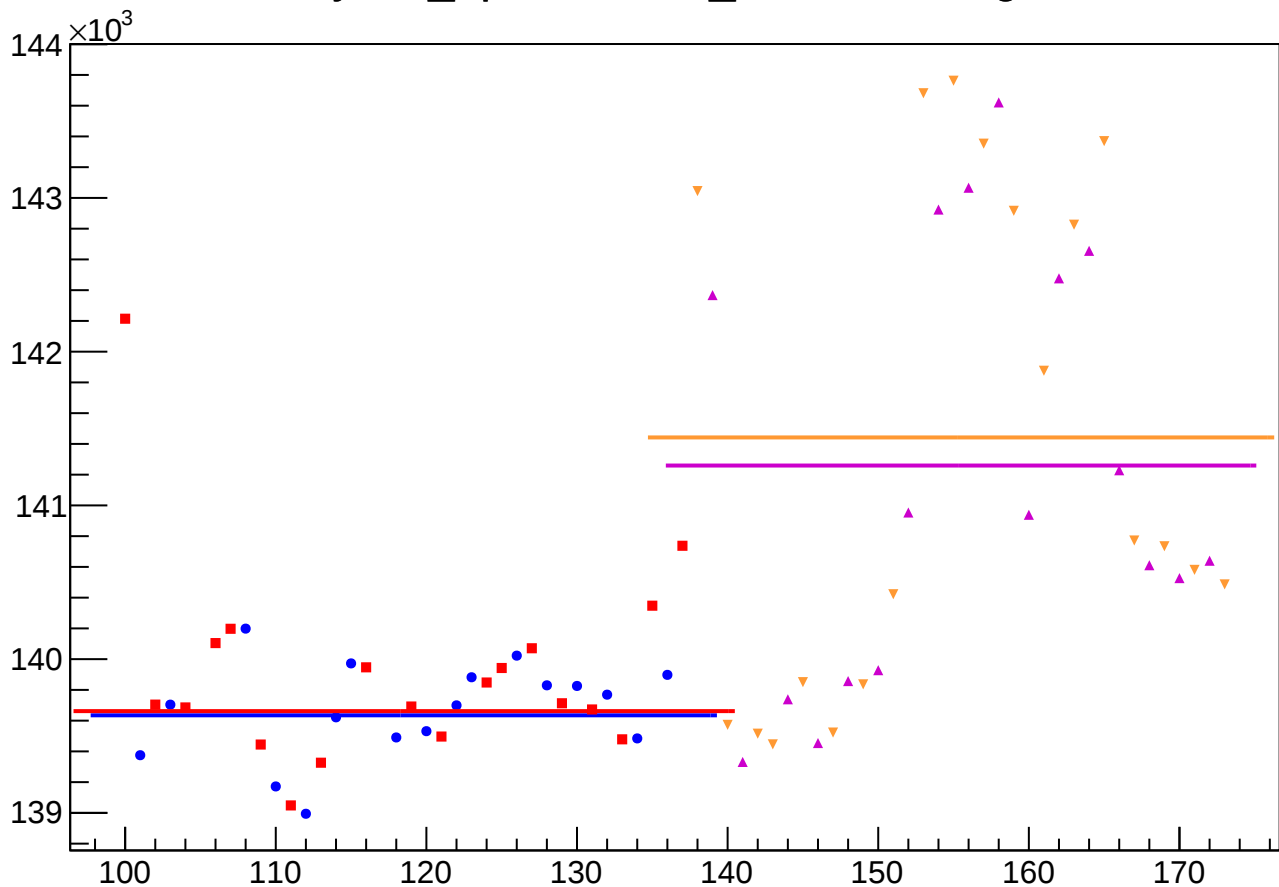
Left In: 209.586 $\pm$ 0.042 χ^2 /NDF: 492860.6/16

+ sign 190.245 $\pm$ 0.031 χ^2 /NDF: 2227668.8/35

All: 186.793 $\pm$ 0.021 χ^2 /NDF: 4794266.1/71

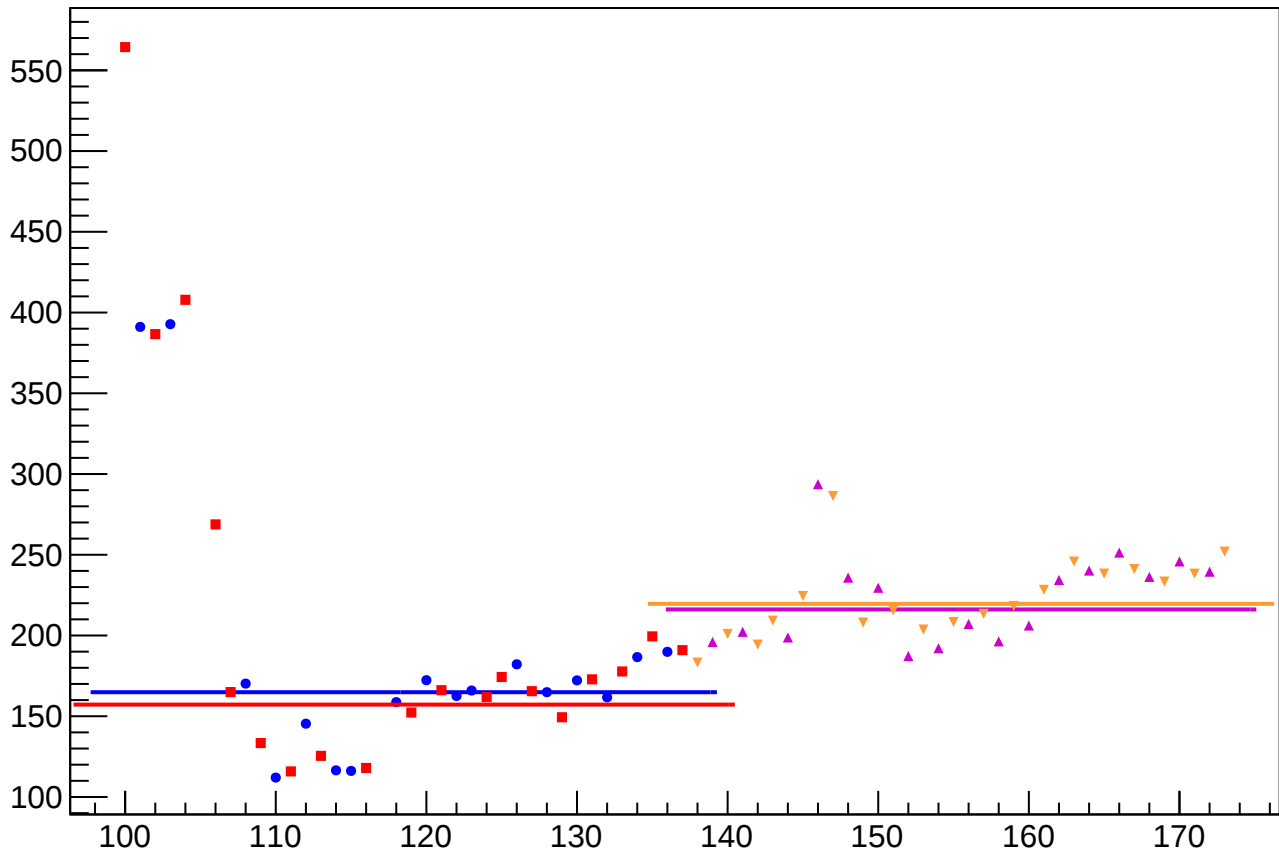
- sign 183.452 $\pm$ 0.030 χ^2 /NDF: 2541613.7/35

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 ± 0.068	$\chi^2/\text{NDF}: 24844912.0/16$	+ sign 140661.507 ± 0.045	$\chi^2/\text{NDF}: 1170633359.8$
Left Out: 141442.121 ± 0.059	$\chi^2/\text{NDF}: 741777556.0/18$	All: 140575.822 ± 0.031	$\chi^2/\text{NDF}: 208099960$
Right Out: 139661.970 ± 0.063	$\chi^2/\text{NDF}: 38372985.0/18$	- sign 140493.546 ± 0.044	$\chi^2/\text{NDF}: 903112158.4/3$
Left In: 141259.354 ± 0.060	$\chi^2/\text{NDF}: 530444784.0/16$		

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 ± 0.048 χ^2/NDF : 1066270.8/16

Left Out: 219.623 ± 0.042 χ^2/NDF : 270616.9/18

Right Out: 157.207 ± 0.045 χ^2/NDF : 1245030.9/18

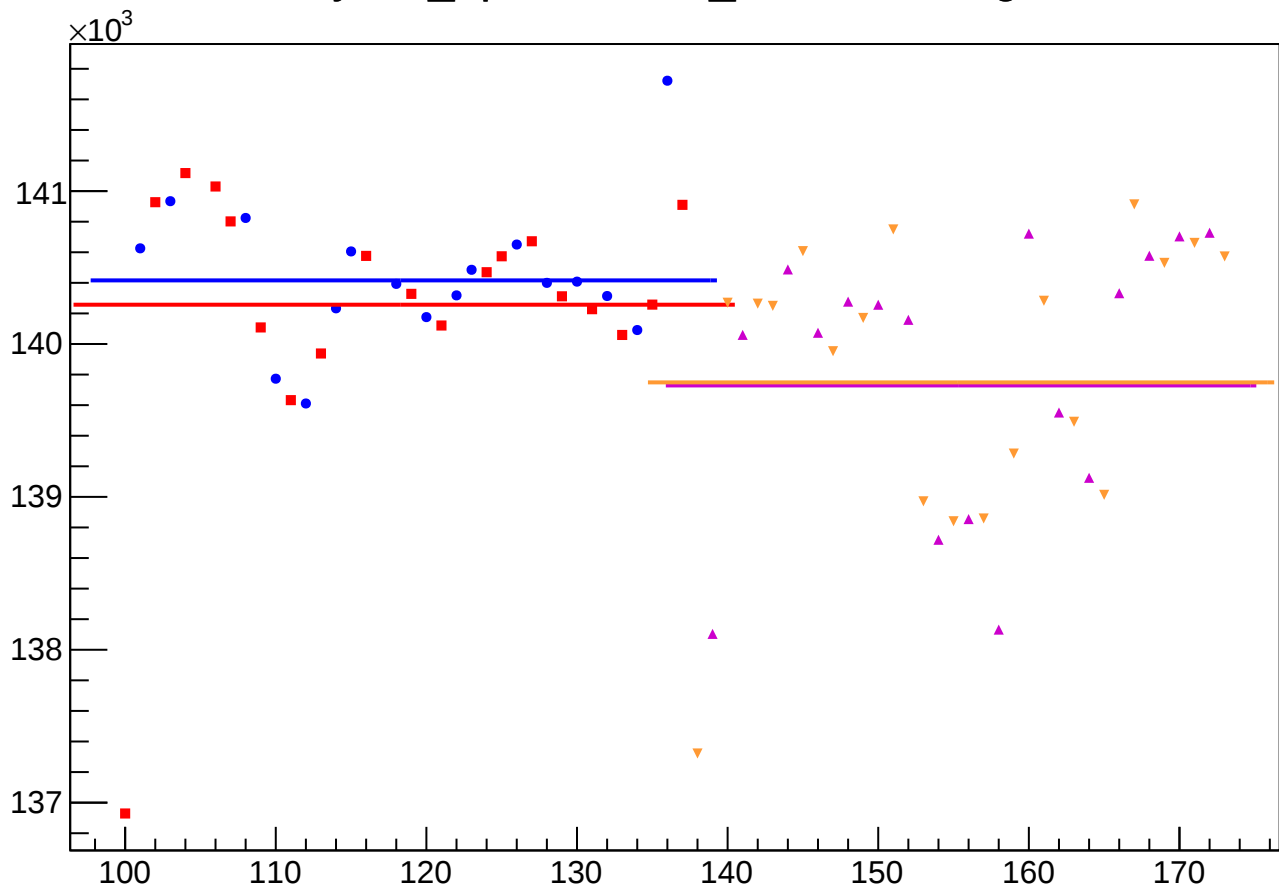
Left In: 216.135 ± 0.043 χ^2/NDF : 337749.8/16

+ sign 195.982 ± 0.031 χ^2/NDF : 2078014.0/35

All: 191.851 ± 0.022 χ^2/NDF : 4604393.8/71

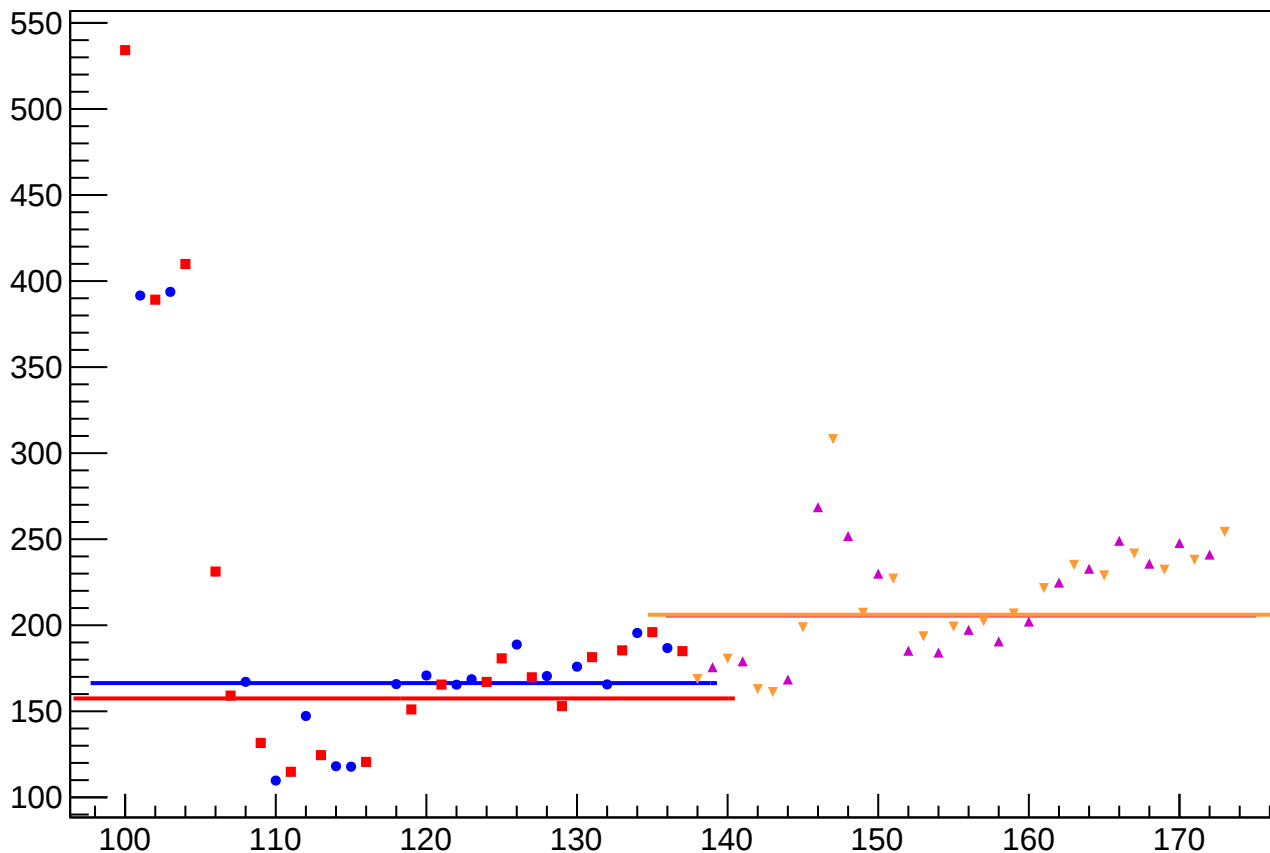
- sign 187.884 ± 0.031 χ^2/NDF : 2492660.8/35

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: 139992.161 $\pm$ 0.030	χ^2 /NDF: 754901770
Right Out: 140256.992 $\pm$ 0.063	χ^2 /NDF: 38063371.4/18	- sign 139969.318 $\pm$ 0.043	χ^2 /NDF: 326245751.6/3
Left In: 139728.921 $\pm$ 0.058	χ^2 /NDF: 250081515.5/16		

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 $\pm$ 0.048 χ^2 /NDF: 1080964.8/16

Left Out: 206.129 $\pm$ 0.039 χ^2 /NDF: 629796.7/18

Right Out: 157.475 $\pm$ 0.045 χ^2 /NDF: 1229886.8/18

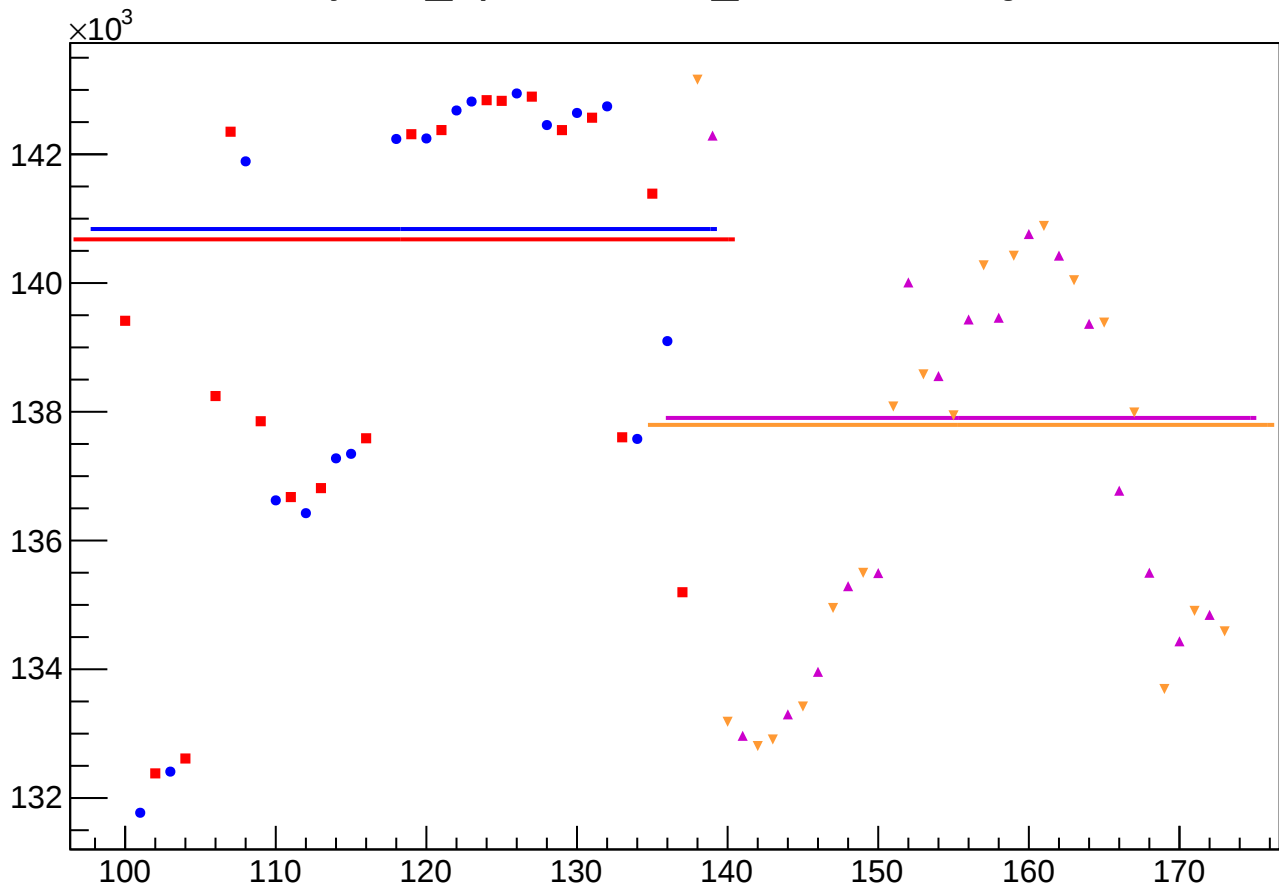
Left In: 205.653 $\pm$ 0.041 χ^2 /NDF: 534302.6/16

+ sign 190.236 $\pm$ 0.031 χ^2 /NDF: 2115989.7/35

All: 186.929 $\pm$ 0.021 χ^2 /NDF: 4537497.5/71

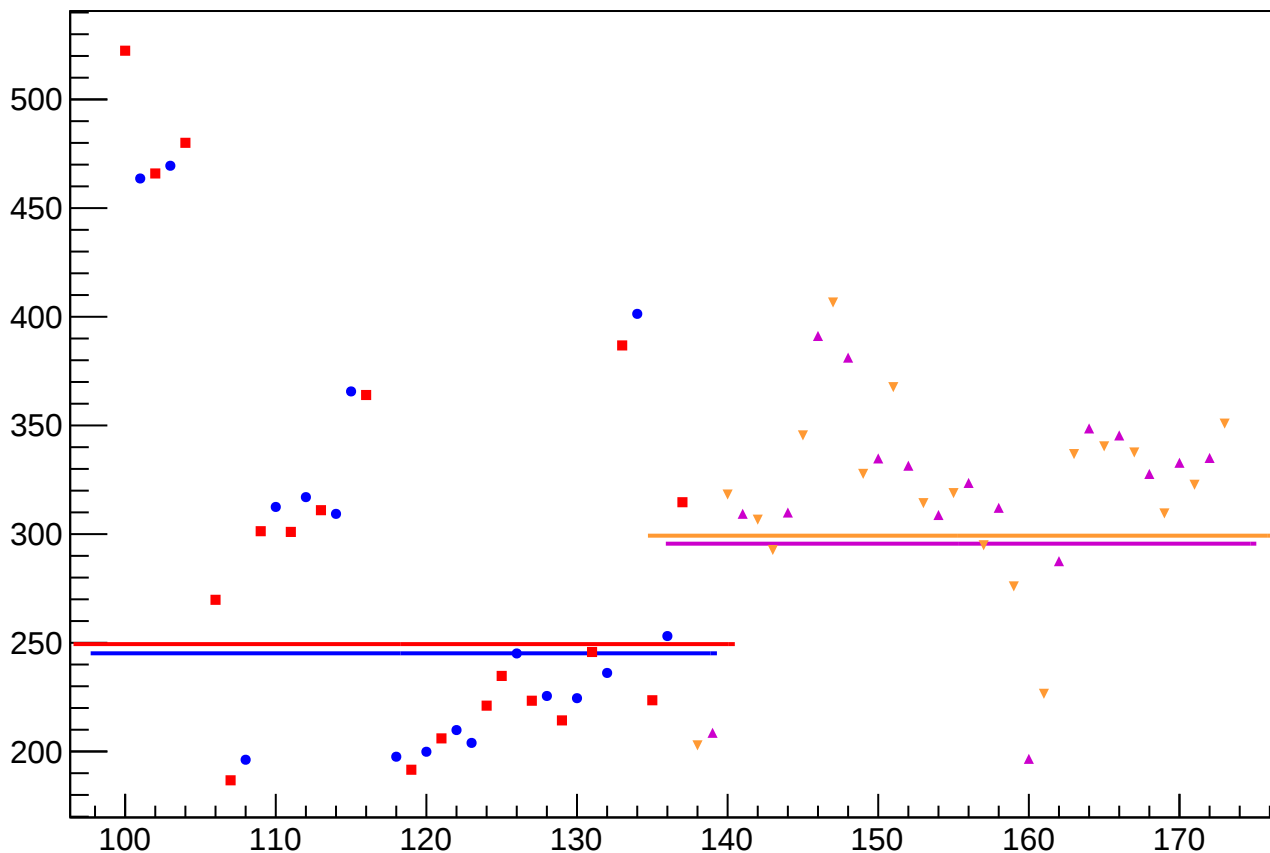
- sign 183.721 $\pm$ 0.030 χ^2 /NDF: 2398472.6/35

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: 139041.943 $\pm$ 0.045	χ^2 /NDF: 570336015
Right Out: 140678.513 $\pm$ 0.099	χ^2 /NDF: 840695274.4/18	- sign 139067.802 $\pm$ 0.064	χ^2 /NDF: 2627965800.6/16
Left In: 137904.494 $\pm$ 0.084	χ^2 /NDF: 1332308099.6/16		

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 ± 0.071 χ^2/NDF : 869491.6/16

Left Out: 299.285 ± 0.058 χ^2/NDF : 803516.9/18

Right Out: 249.397 ± 0.070 χ^2/NDF : 1009731.2/18

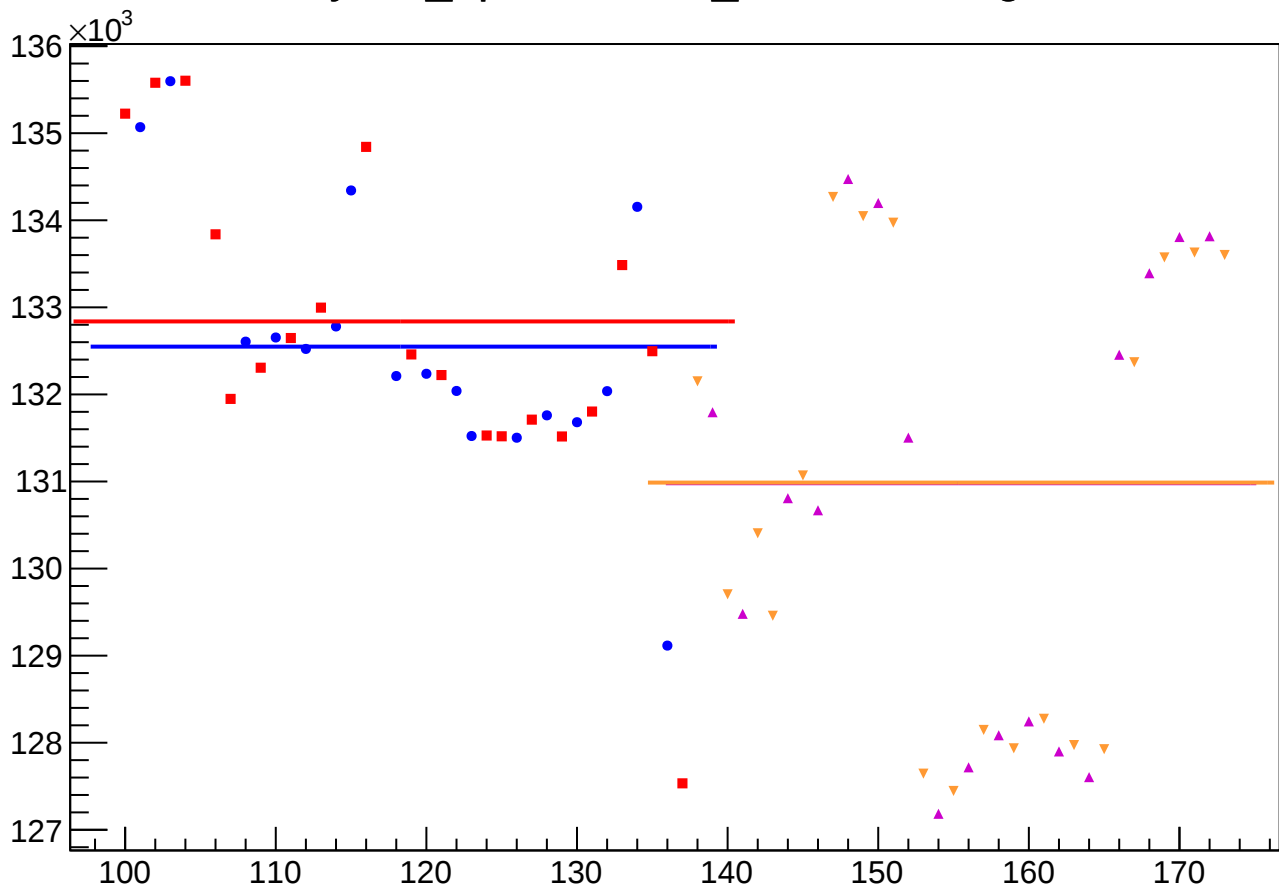
Left In: 295.602 ± 0.060 χ^2/NDF : 966131.0/16

+ sign 277.577 ± 0.045 χ^2/NDF : 2023861.1/35

All: 276.910 ± 0.032 χ^2/NDF : 4252619.3/71

- sign 276.226 ± 0.045 χ^2/NDF : 2228308.8/35

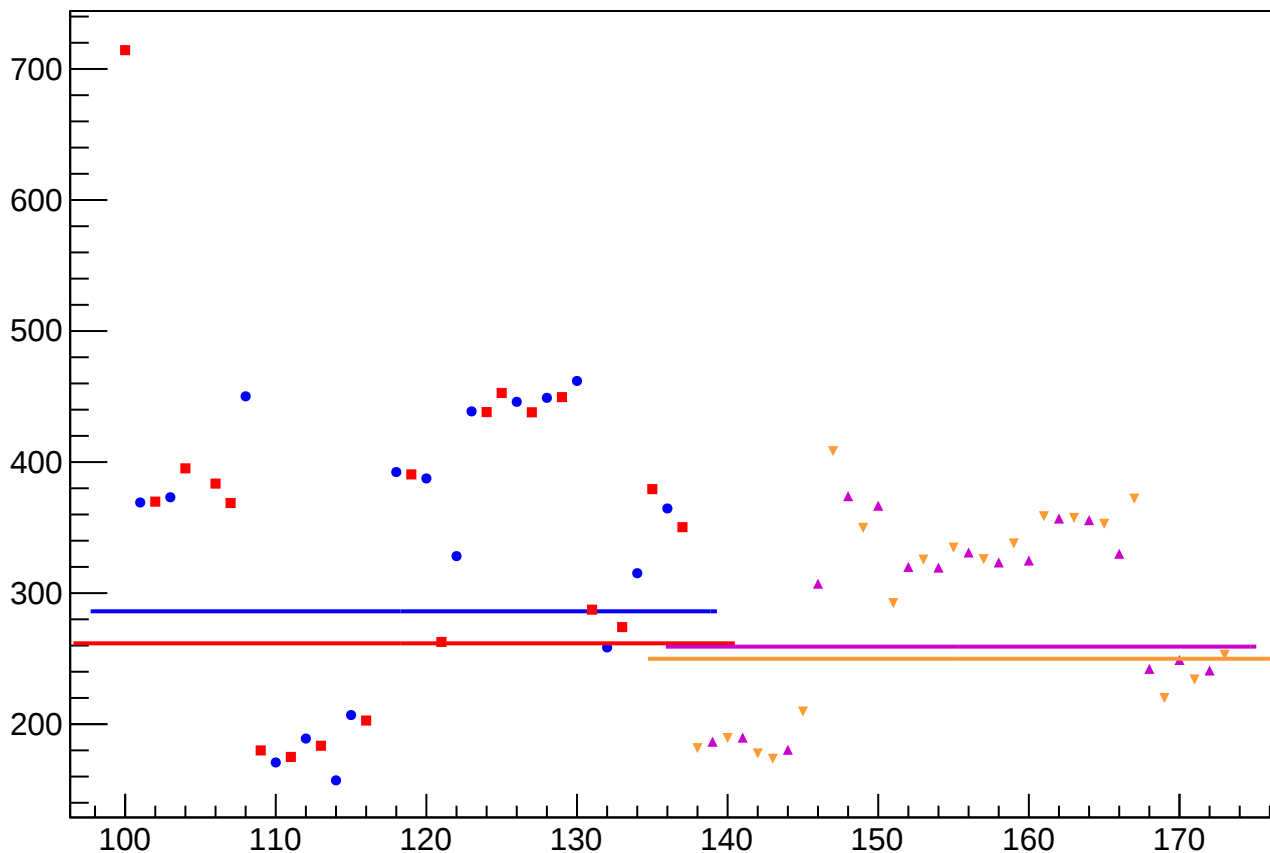
yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16
 Left Out: 130987.511 $\pm$ 0.070 χ^2 /NDF: 1036127852.7/18
 Right Out: 132838.294 $\pm$ 0.107 χ^2 /NDF: 149611447.6/18
 Left In: 130979.986 $\pm$ 0.075 χ^2 /NDF: 913828318.2/16

+ sign 131385.940 $\pm$ 0.060 χ^2 /NDF: 1324671975.3
 All: 131485.253 $\pm$ 0.043 χ^2 /NDF: 259622749
 - sign 131587.708 $\pm$ 0.061 χ^2 /NDF: 1266044693.5/

yield_bpm0r05WS_rms vs Slug



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 249.915+/-0.049 χ^2/NDF :2138498.6/18

Right Out: 261.686+/-0.076 χ^2/NDF : 1623174.1/18

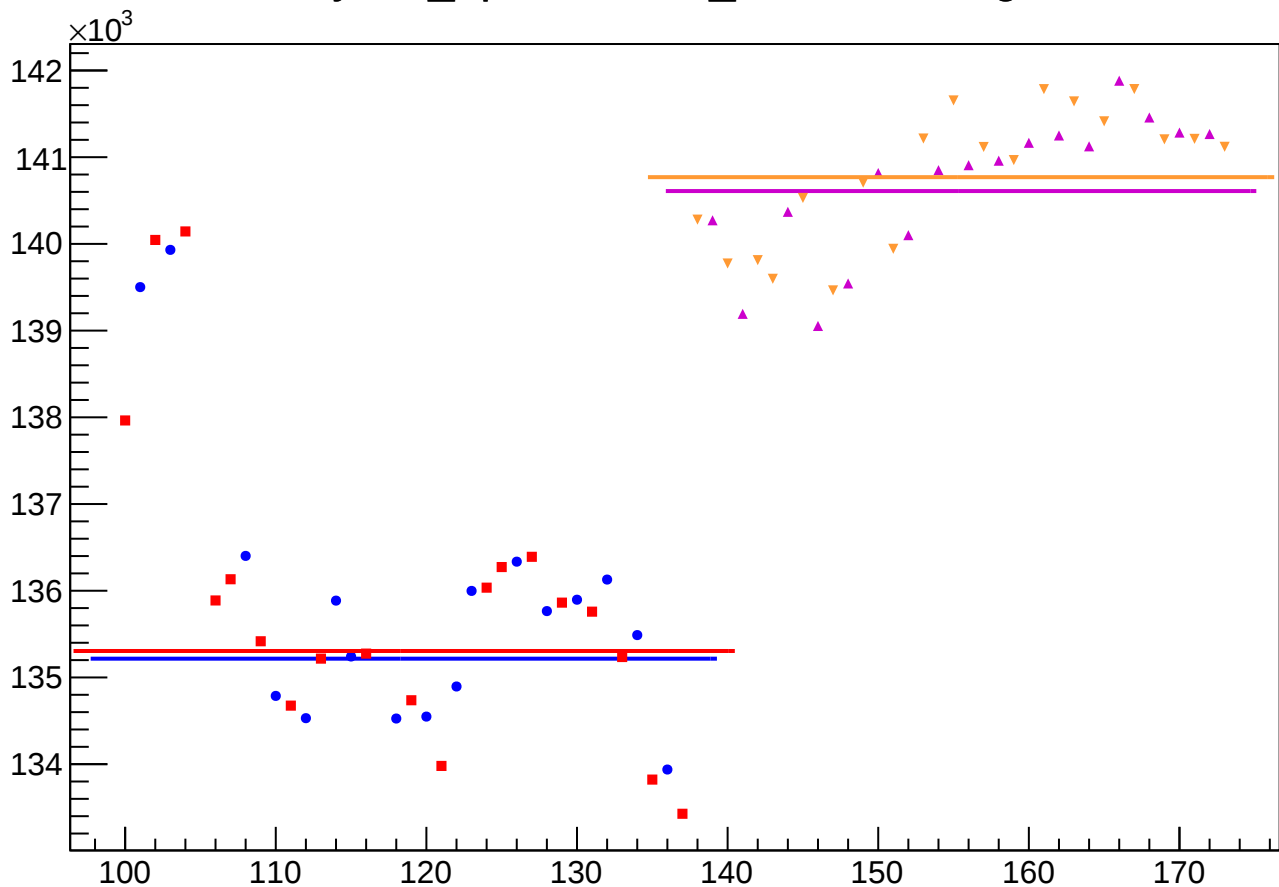
Left In: 259.167+/-0.053 χ^2/NDF :1656436.6/16

+ sign 259.154+/-0.043 χ^2/NDF : 3800814.3/35

All: 259.566+/-0.030 χ^2/NDF : 7081359.3/71

- sign 259.991+/-0.043 χ^2/NDF : 3280355.4/35

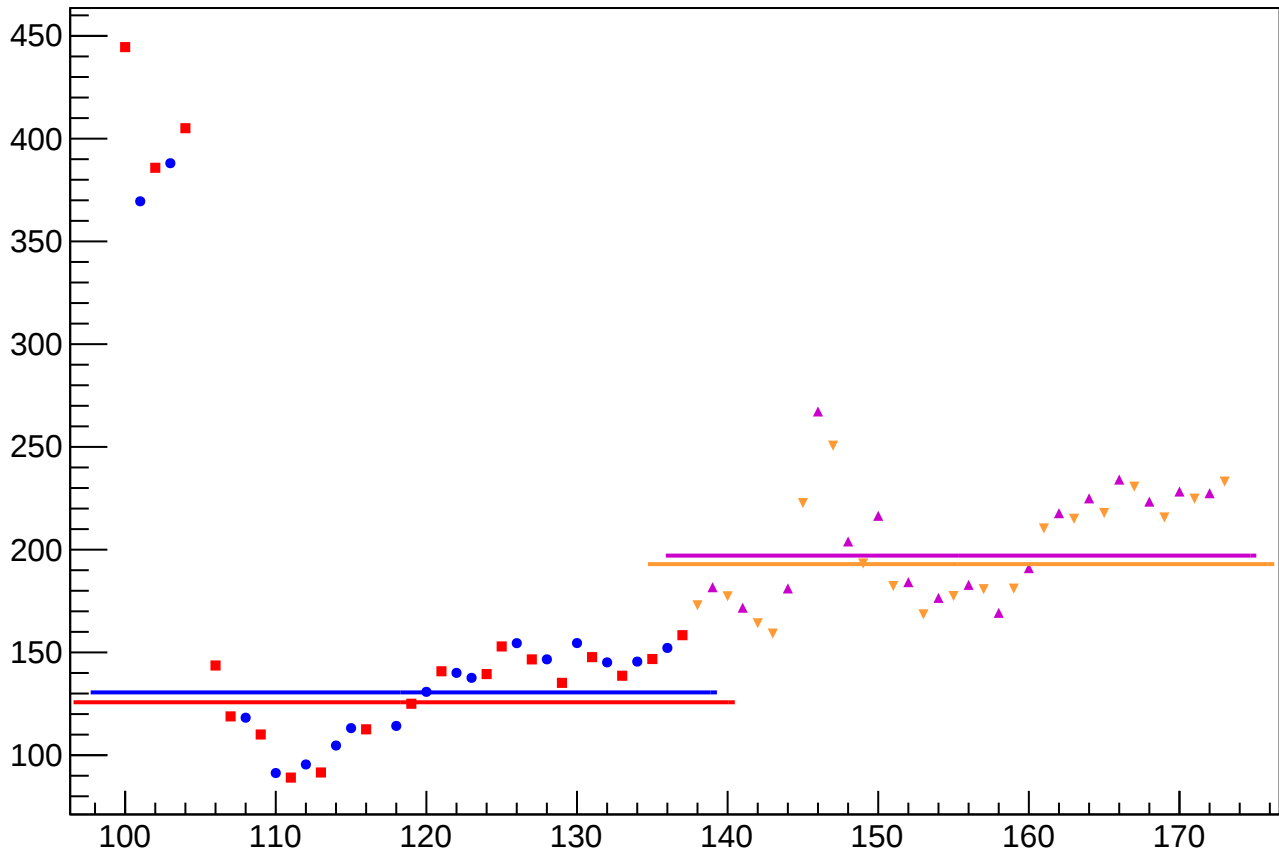
yield_bpm0i02WS_mean vs Slug



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: 140609.422 $\pm$ 0.055 χ^2 /NDF: 178447776.4/16

+ sign 138106.089 $\pm$ 0.038 χ^2 /NDF: 6005243065.5
 All: 137928.603 $\pm$ 0.027 χ^2 /NDF: 115483667
 - sign 137752.160 $\pm$ 0.038 χ^2 /NDF: 5498798532.6/

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

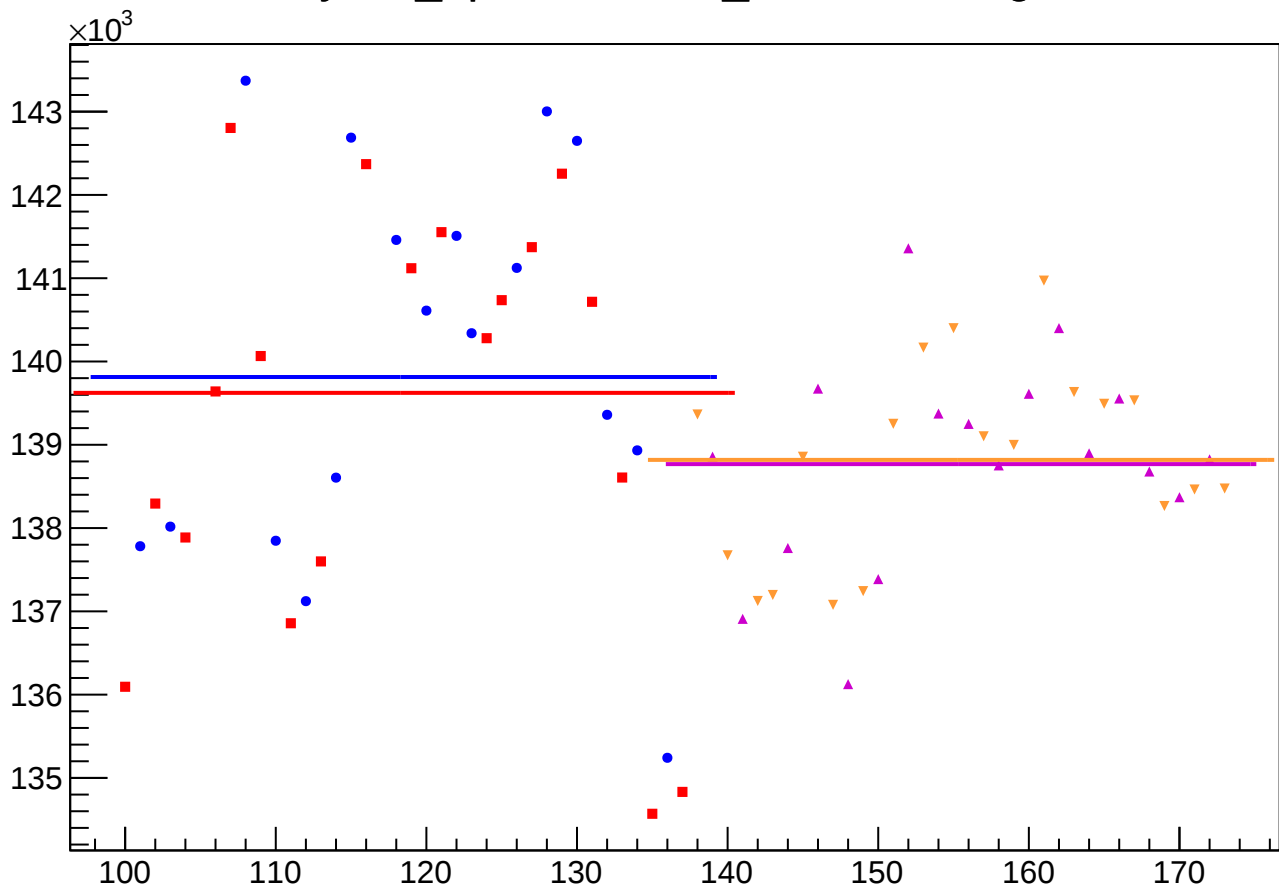
Left In: 197.115 $\pm$ 0.039 χ^2 /NDF: 398069.9/16

+ sign 163.031 $\pm$ 0.027 χ^2 /NDF: 3205646.1/35

All: 160.844 $\pm$ 0.019 χ^2 /NDF: 6854064.8/71

- sign 158.670 $\pm$ 0.027 χ^2 /NDF: 3634960.9/35

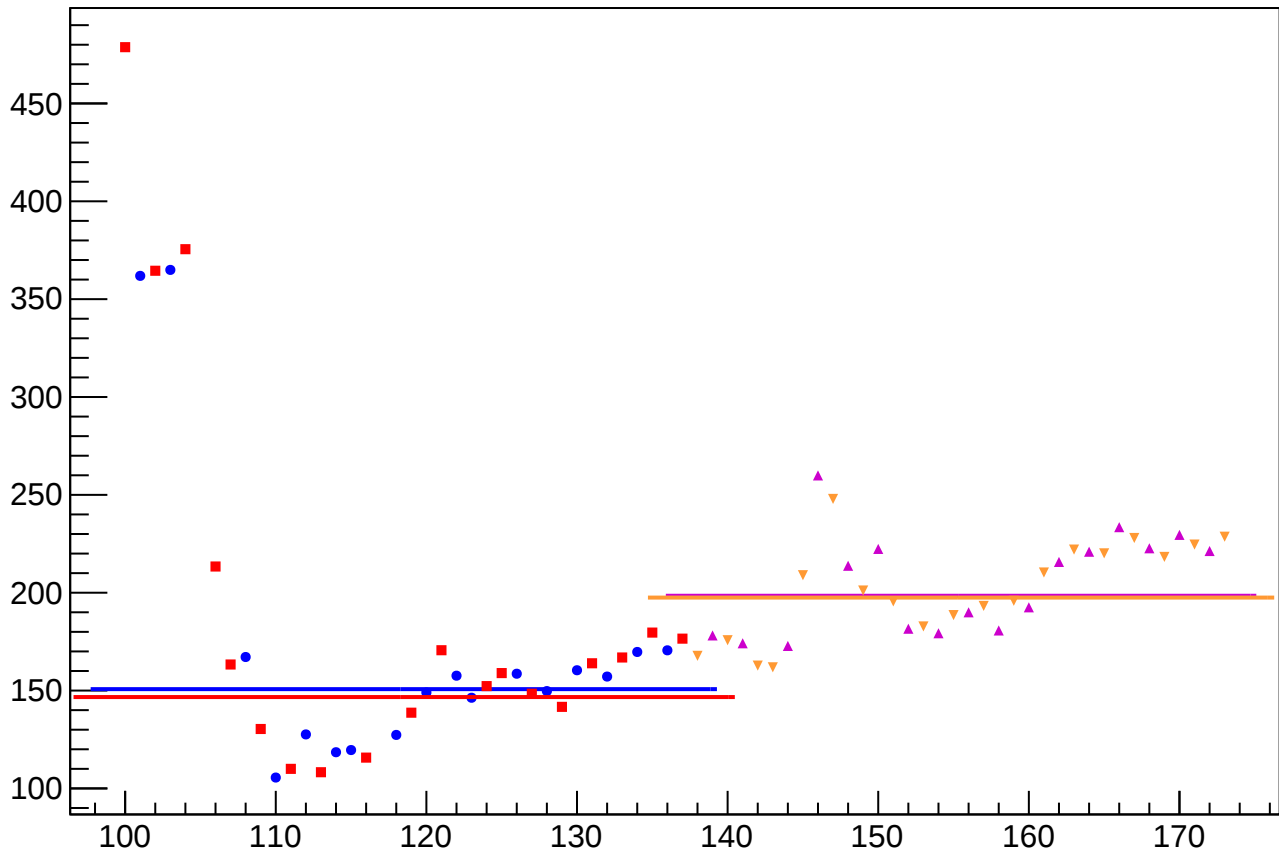
yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16
 Left Out: 138818.643 $\pm$ 0.053 χ^2 /NDF: 450472817.5/18
 Right Out: 139623.387 $\pm$ 0.059 χ^2 /NDF: 1505731109.1/18
 Left In: 138767.834 $\pm$ 0.056 χ^2 /NDF: 526606610.6/16

+ sign 139243.496 $\pm$ 0.040 χ^2 /NDF: 2288296703.8
 All: 139207.023 $\pm$ 0.029 χ^2 /NDF: 443349700
 - sign 139170.500 $\pm$ 0.040 χ^2 /NDF: 2143574105.1/

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733 $\pm$ 0.044 χ^2 /NDF: 1050071.6/16

Left Out: 197.515 $\pm$ 0.038 χ^2 /NDF: 379655.6/18

Right Out: 146.686 $\pm$ 0.042 χ^2 /NDF: 1203106.6/18

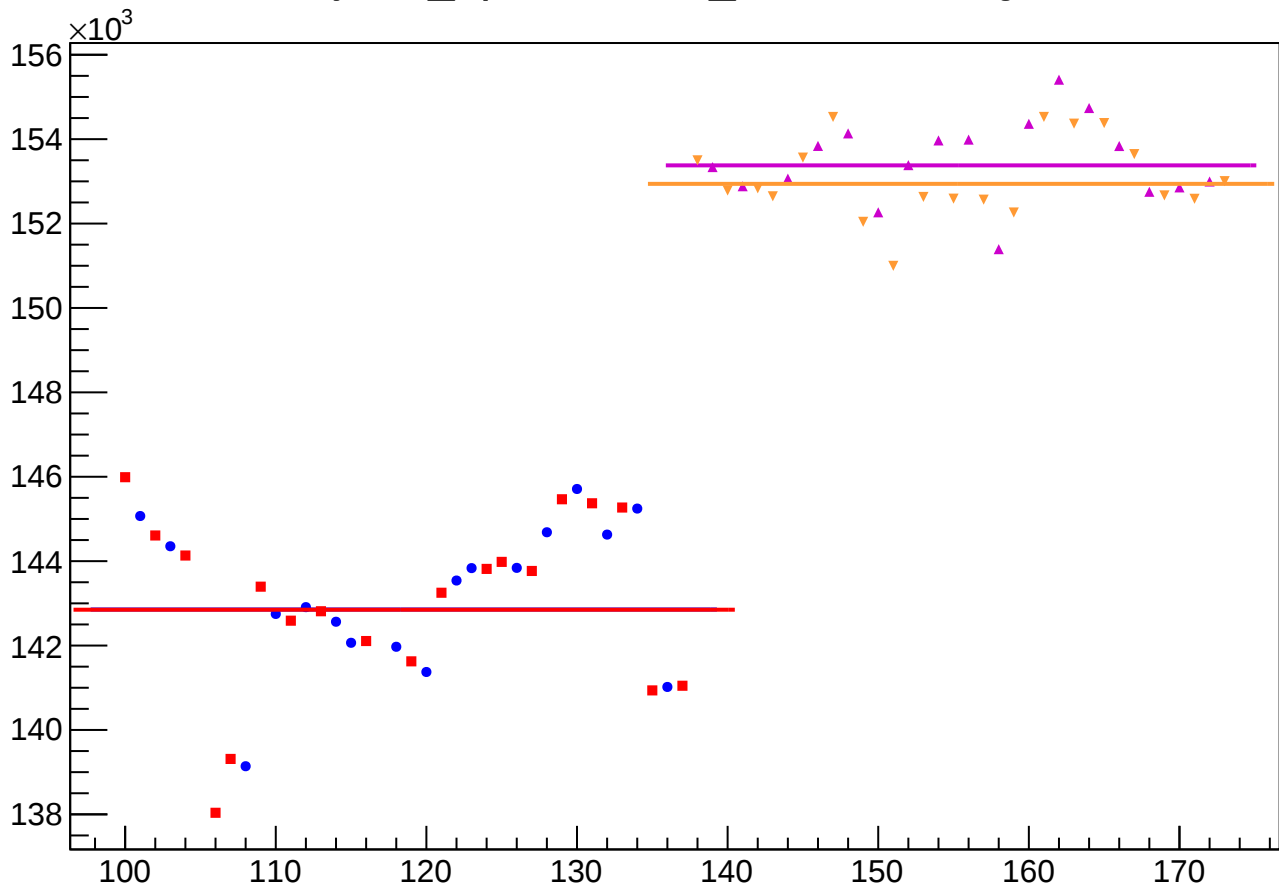
Left In: 198.449 $\pm$ 0.039 χ^2 /NDF: 362562.3/16

+ sign 177.540 $\pm$ 0.029 χ^2 /NDF: 2083846.8/35

All: 175.814 $\pm$ 0.020 χ^2 /NDF: 4471166.1/71

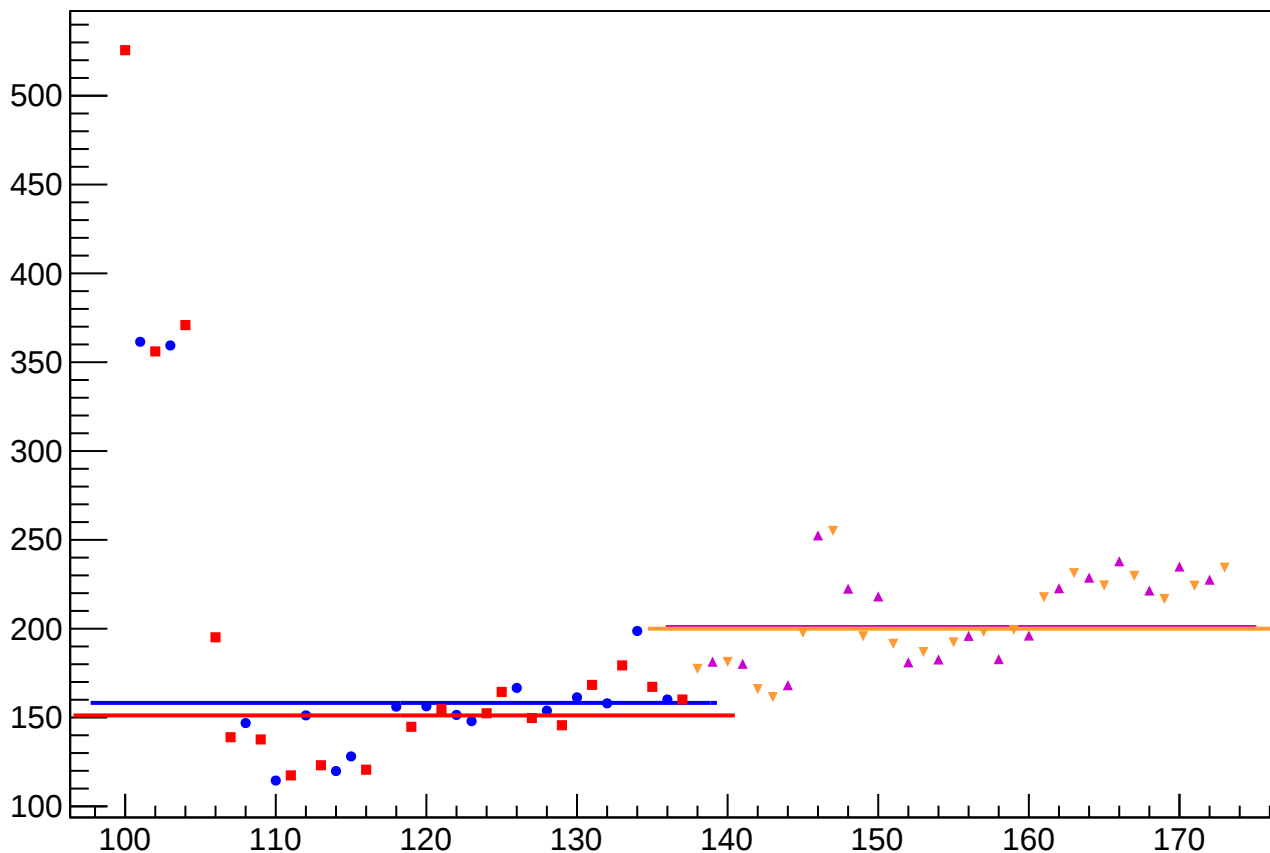
- sign 174.086 $\pm$ 0.029 χ^2 /NDF: 2380039.6/35

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065	χ^2 /NDF: 740367386.5/16	+ sign 148792.146 $\pm$ 0.041	χ^2 /NDF: 15327217992.1
Left Out: 152940.839 $\pm$ 0.054	χ^2 /NDF: 262659793.0/18	All: 148636.841 $\pm$ 0.029	χ^2 /NDF: 327419830
Right Out: 142849.362 $\pm$ 0.060	χ^2 /NDF: 850066807.5/18	- sign 148483.699 $\pm$ 0.041	χ^2 /NDF: 17386911393.4
Left In: 153378.982 $\pm$ 0.056	χ^2 /NDF: 272399302.5/16		

yield_bpm0i05WS_rms vs Slug



Right In: 158.233 $\pm$ 0.046 χ^2 /NDF: 883513.4/16

Left Out: 200.001 $\pm$ 0.038 χ^2 /NDF: 369770.9/18

Right Out: 151.174 $\pm$ 0.043 χ^2 /NDF: 1003301.6/18

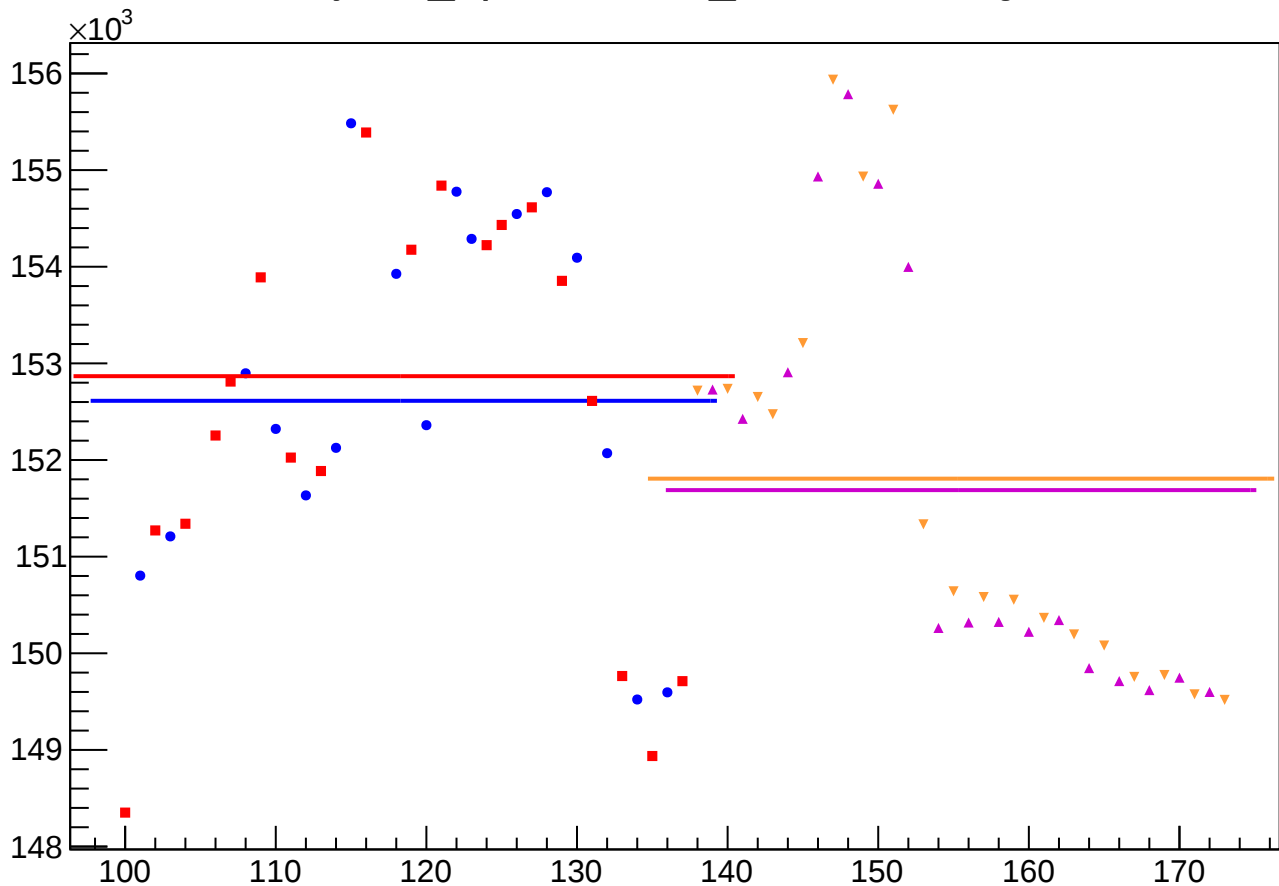
Left In: 200.950 $\pm$ 0.040 χ^2 /NDF: 370120.9/16

+ sign 182.822 $\pm$ 0.029 χ^2 /NDF: 1744551.0/35

All: 180.298 $\pm$ 0.021 χ^2 /NDF: 3859598.2/71

- sign 177.809 $\pm$ 0.029 χ^2 /NDF: 2100334.0/35

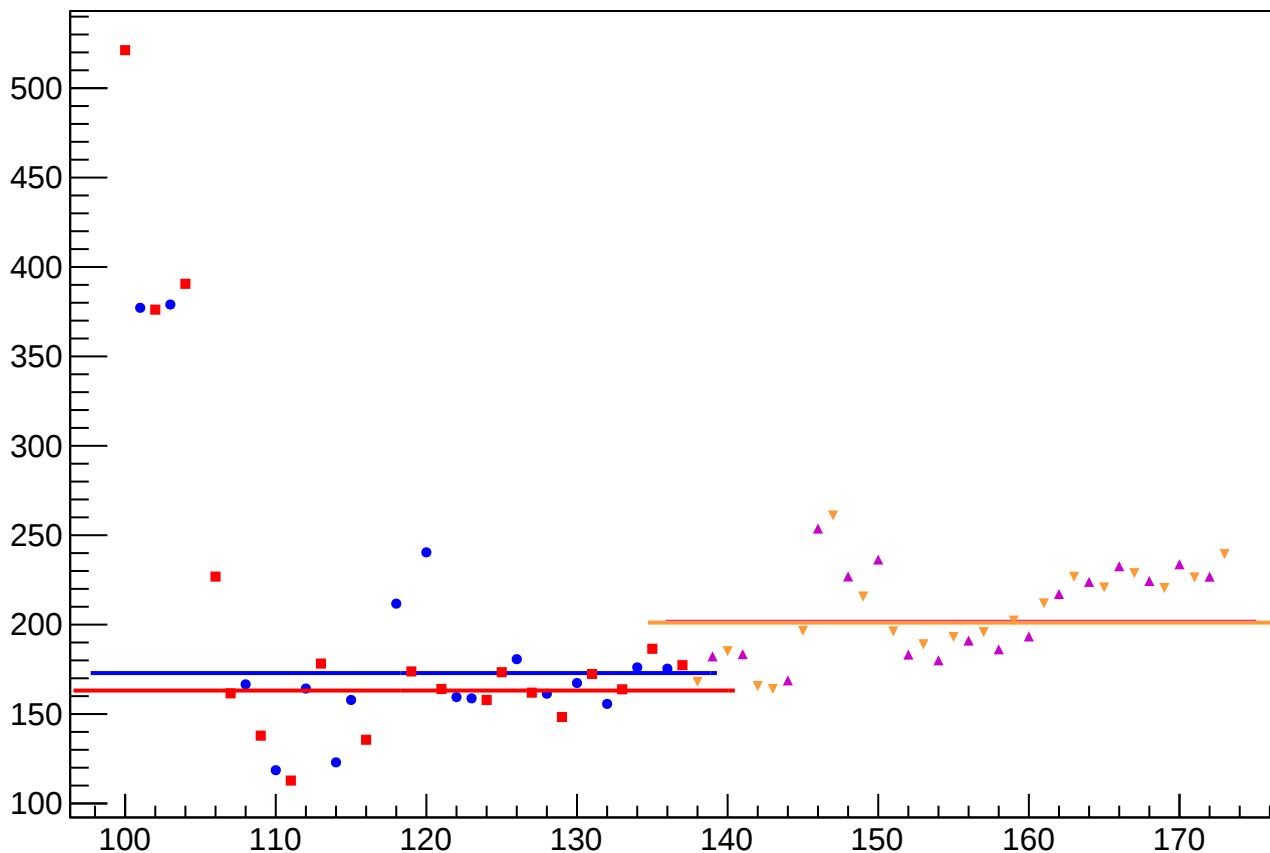
yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 ± 0.072 χ^2/NDF : 621416187.4/16
 Left Out: 151807.095 ± 0.054 χ^2/NDF : 1238851536.1/18
 Right Out: 152867.453 ± 0.066 χ^2/NDF : 719075986.4/18
 Left In: 151688.498 ± 0.056 χ^2/NDF : 1217868306.7/16

+ sign 152097.461 ± 0.043 χ^2/NDF : 1939940907.3
 All: 152141.020 ± 0.030 χ^2/NDF : 406272333
 - sign 152183.757 ± 0.043 χ^2/NDF : 2120780130.3/16

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

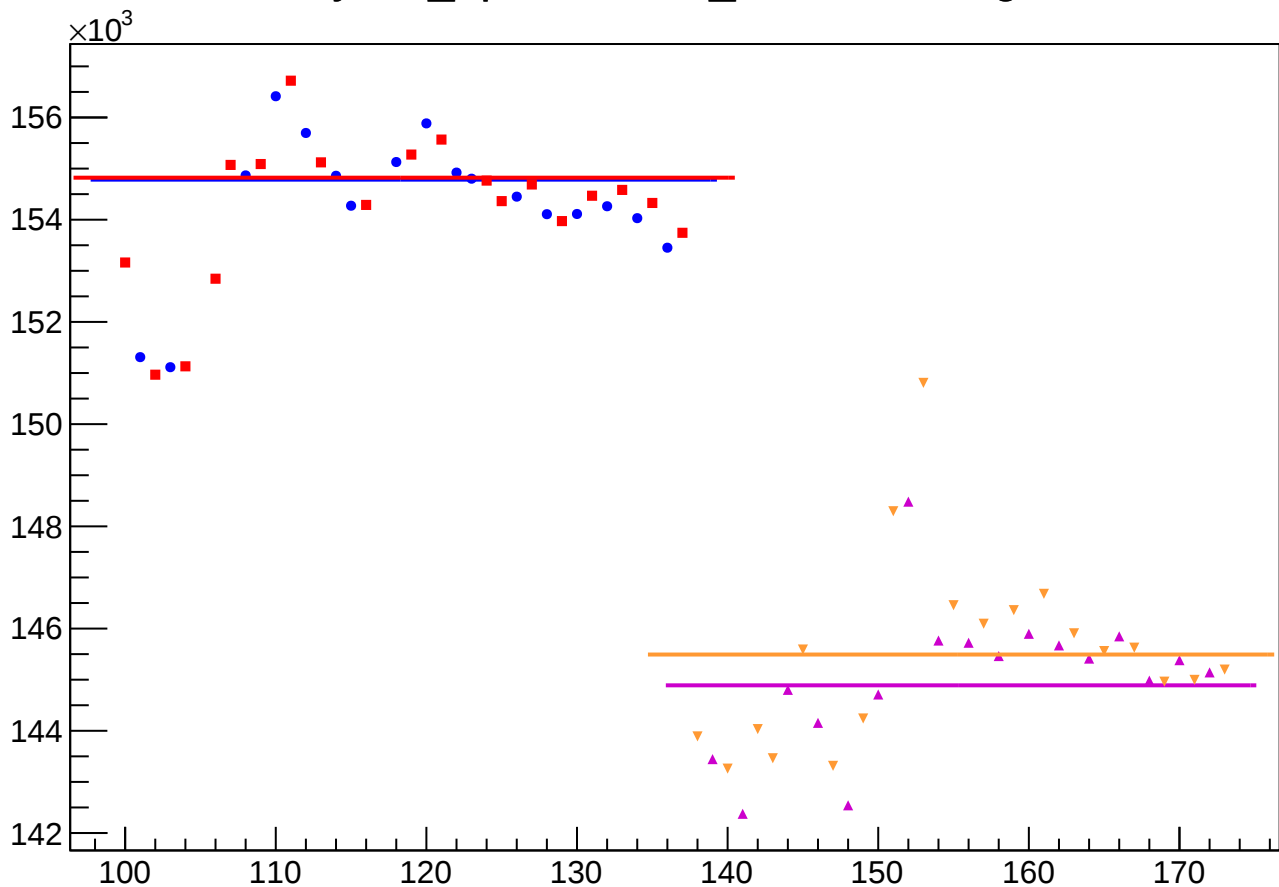
Left In: 201.612+/-0.040 χ^2/NDF : 379856.3/16

+ sign 190.958+/-0.031 χ^2/NDF : 1534338.2/35

All: 188.177+/-0.022 χ^2/NDF : 3355814.0/71

- sign 185.450+/-0.030 χ^2/NDF : 1805161.4/35

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2/NDF : 265581398.0/16

Left Out: 145492.224 $\pm$ 0.051 χ^2/NDF : 1492354635.6/18

Right Out: 154822.113 $\pm$ 0.061 χ^2/NDF : 293850525.9/18

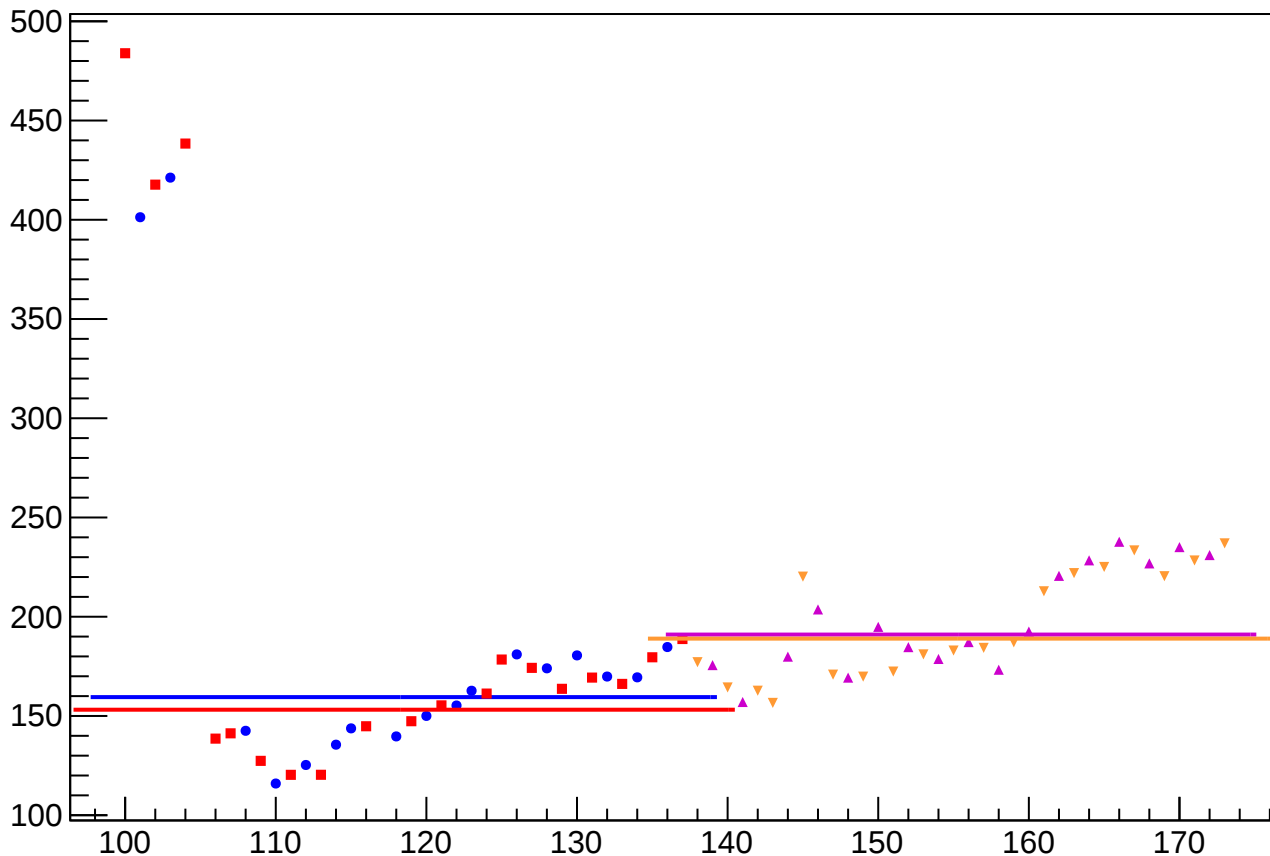
Left In: 144889.574 $\pm$ 0.053 χ^2/NDF : 827081604.9/16

+ sign 148999.078 $\pm$ 0.040 χ^2/NDF : 14337326421.0

All: 149098.621 $\pm$ 0.028 χ^2/NDF : 305387952.0

- sign 149197.879 $\pm$ 0.040 χ^2/NDF : 16189198034.9

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

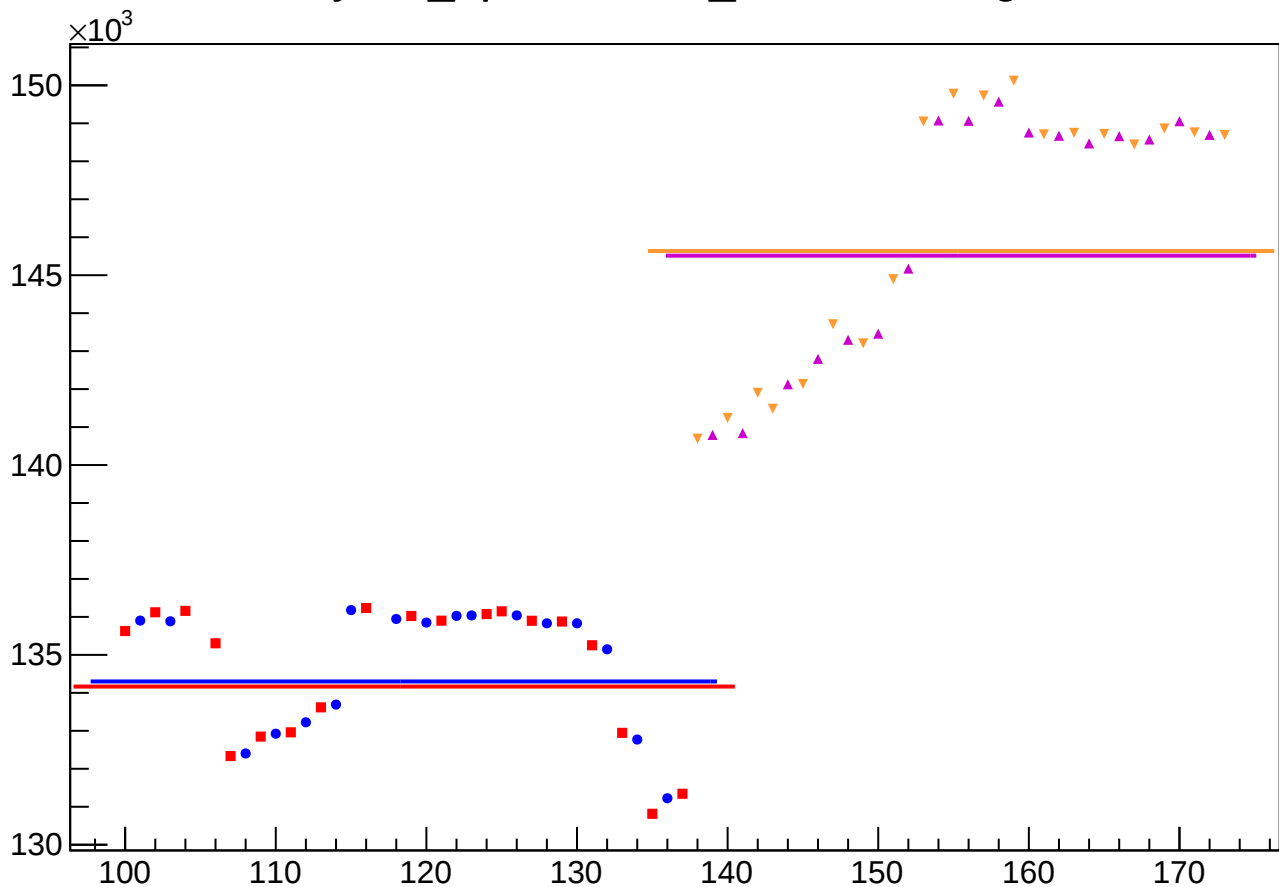
Left In: 191.010 $\pm$ 0.038 χ^2 /NDF: 396262.8/16

+ sign 177.847 $\pm$ 0.028 χ^2 /NDF: 1871103.1/35

All: 176.216 $\pm$ 0.020 χ^2 /NDF: 3885469.3/71

- sign 174.589 $\pm$ 0.028 χ^2 /NDF: 2007776.5/35

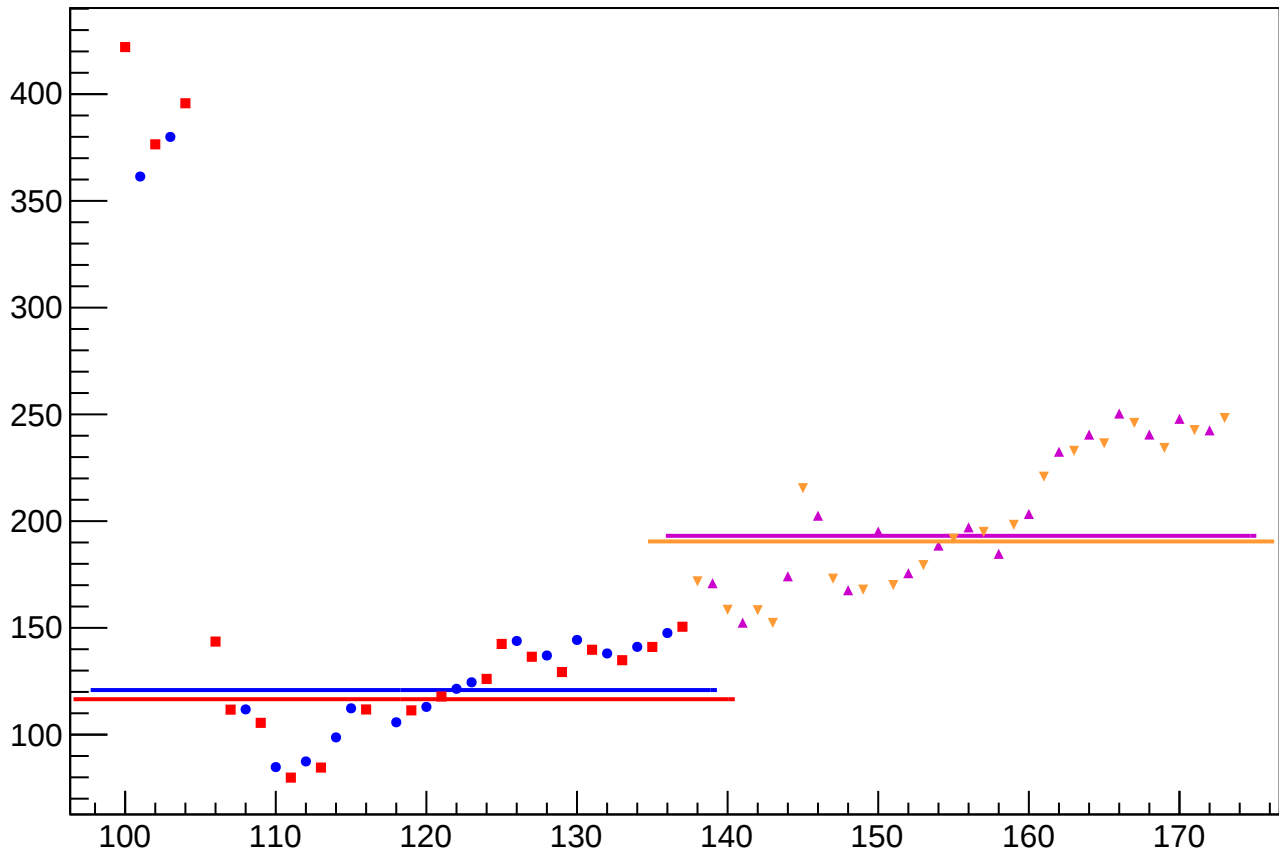
yield_bpm1i04WS_mean vs Slug



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: 145514.264 ± 0.054 $\chi^2/\text{NDF}: 3872560869.4/16$

+ sign 139836.720 ± 0.036 $\chi^2/\text{NDF}: 30574711349.$
 All: 139460.834 ± 0.025 $\chi^2/\text{NDF}: 607671685.$
 - sign 139092.363 ± 0.036 $\chi^2/\text{NDF}: 29976667348.7$

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 190.489 $\pm$ 0.036 χ^2 /NDF: 703987.9/18

Right Out: 116.595 $\pm$ 0.034 χ^2 /NDF: 1541338.5/18

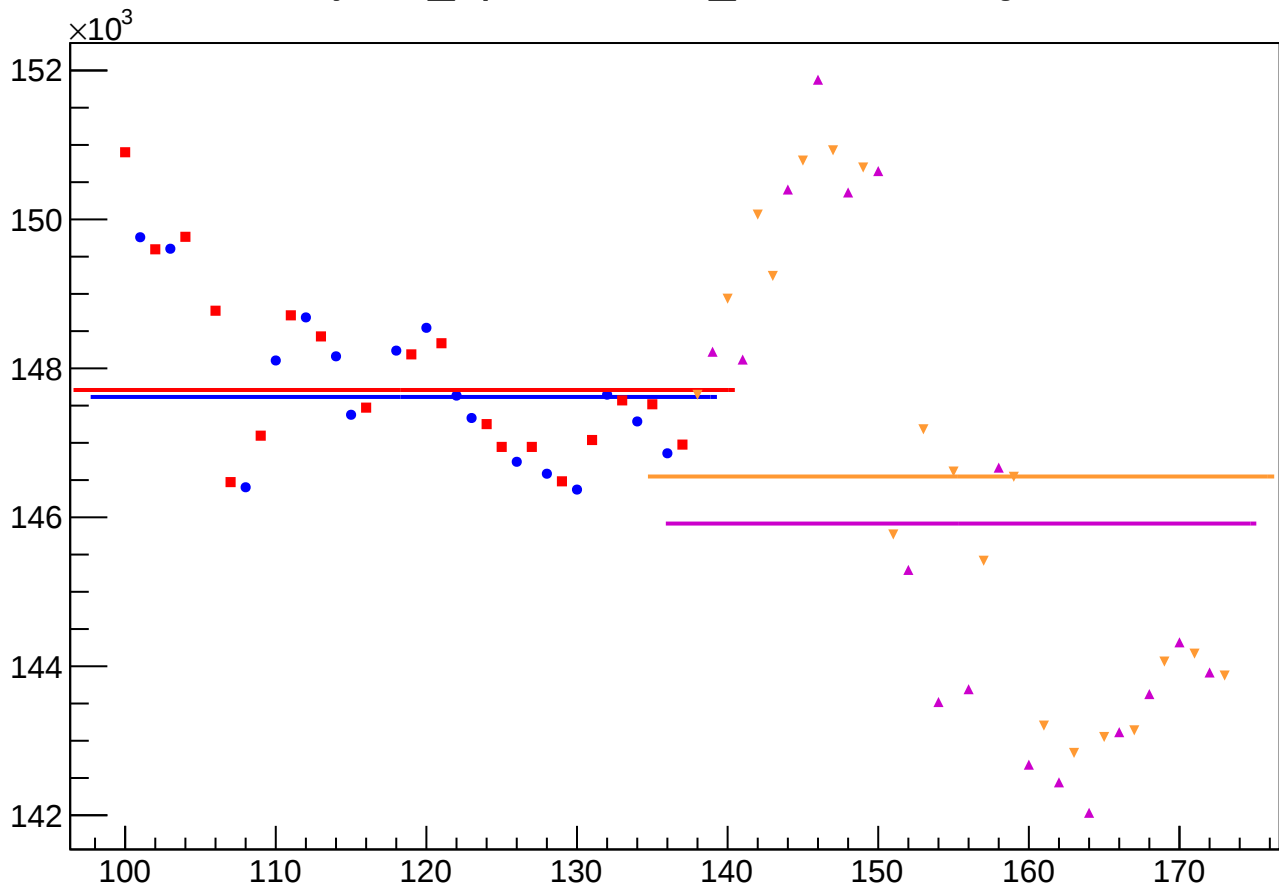
Left In: 193.123 $\pm$ 0.038 χ^2 /NDF: 574147.3/16

+ sign 154.872 $\pm$ 0.025 χ^2 /NDF: 4035636.6/35

All: 152.320 $\pm$ 0.018 χ^2 /NDF: 8434921.3/71

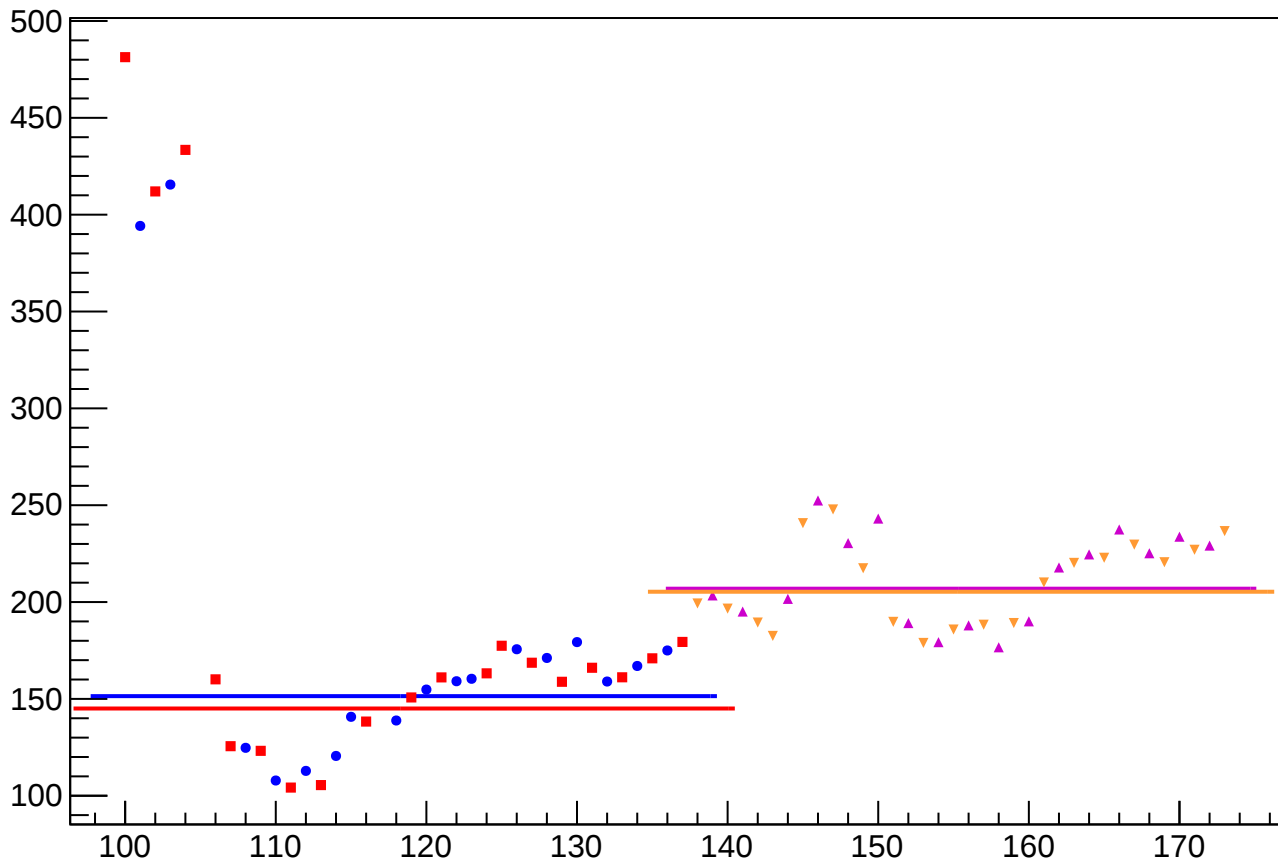
- sign 149.818 $\pm$ 0.025 χ^2 /NDF: 4379382.3/35

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150+/-0.062	χ^2/NDF : 199263428.7/16	+ sign 147015.877+/-0.041	χ^2/NDF : 2609751517.7/16
Left Out: 146548.070+/-0.055	χ^2/NDF : 2246269644.3/18	All: 146908.517+/-0.029	χ^2/NDF : 610841908.7/18
Right Out: 147709.723+/-0.058	χ^2/NDF : 203906685.9/18	- sign 146802.923+/-0.041	χ^2/NDF : 3485297473.8/16
Left In: 145916.269+/-0.058	χ^2/NDF : 2803336779.5/16		

yield_bpm1i06WS_rms vs Slug



Right In: 151.424+/-0.044 χ^2/NDF : 1257843.0/16

Left Out: 205.326+/-0.039 χ^2/NDF : 280500.8/18

Right Out: 145.039+/-0.041 χ^2/NDF : 1375972.0/18

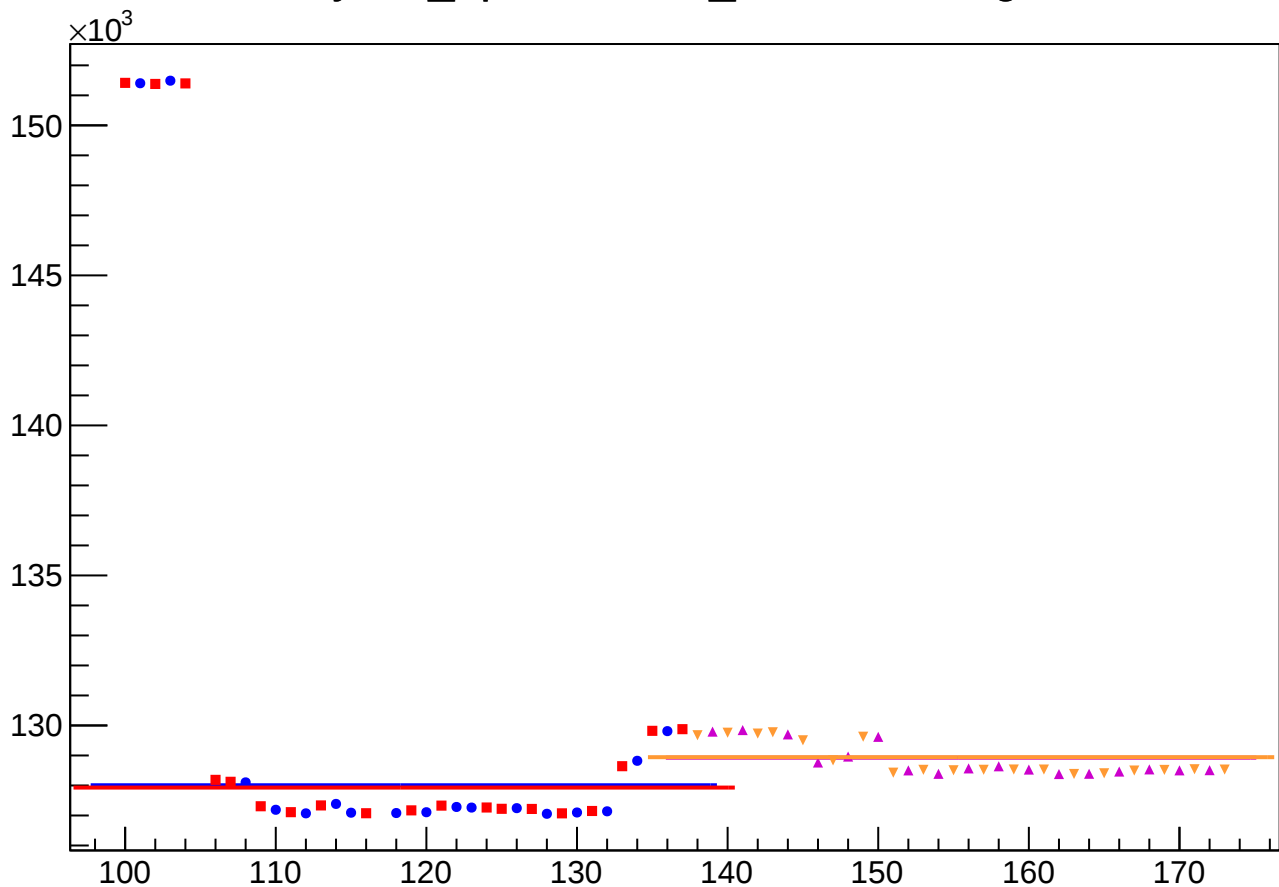
Left In: 206.896+/-0.041 χ^2/NDF : 317467.3/16

+ sign 181.717+/-0.029 χ^2/NDF : 2374817.7/35

All: 178.994+/-0.021 χ^2/NDF : 5222835.1/71

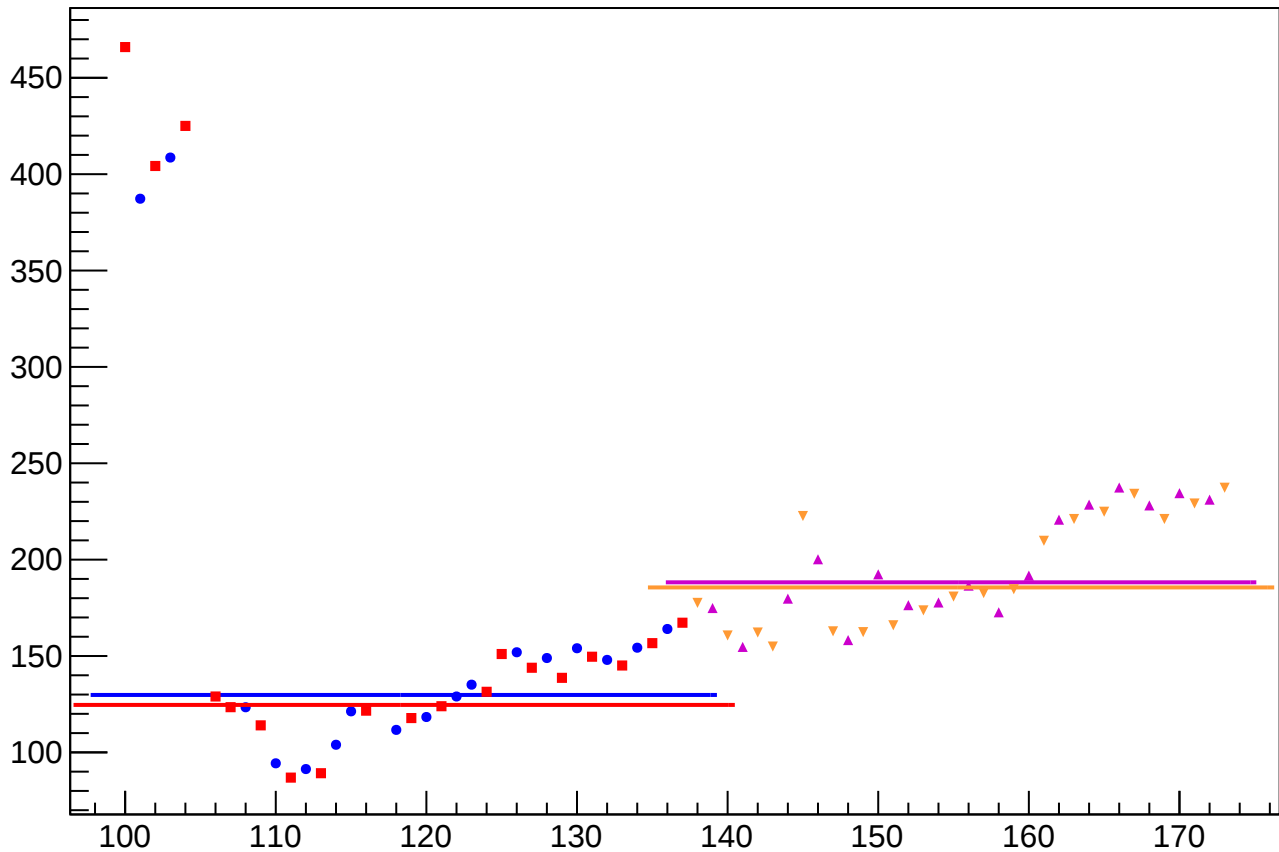
- sign 176.315+/-0.029 χ^2/NDF : 2830808.7/35

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: 128925.936 $\pm$ 0.053 χ^2 /NDF: 111741489.9/16
 + sign 128511.909 $\pm$ 0.037 χ^2 /NDF: 4607373659.8
 All: 128458.773 $\pm$ 0.026 χ^2 /NDF: 86783808
 - sign 128406.654 $\pm$ 0.036 χ^2 /NDF: 4066862737.1

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

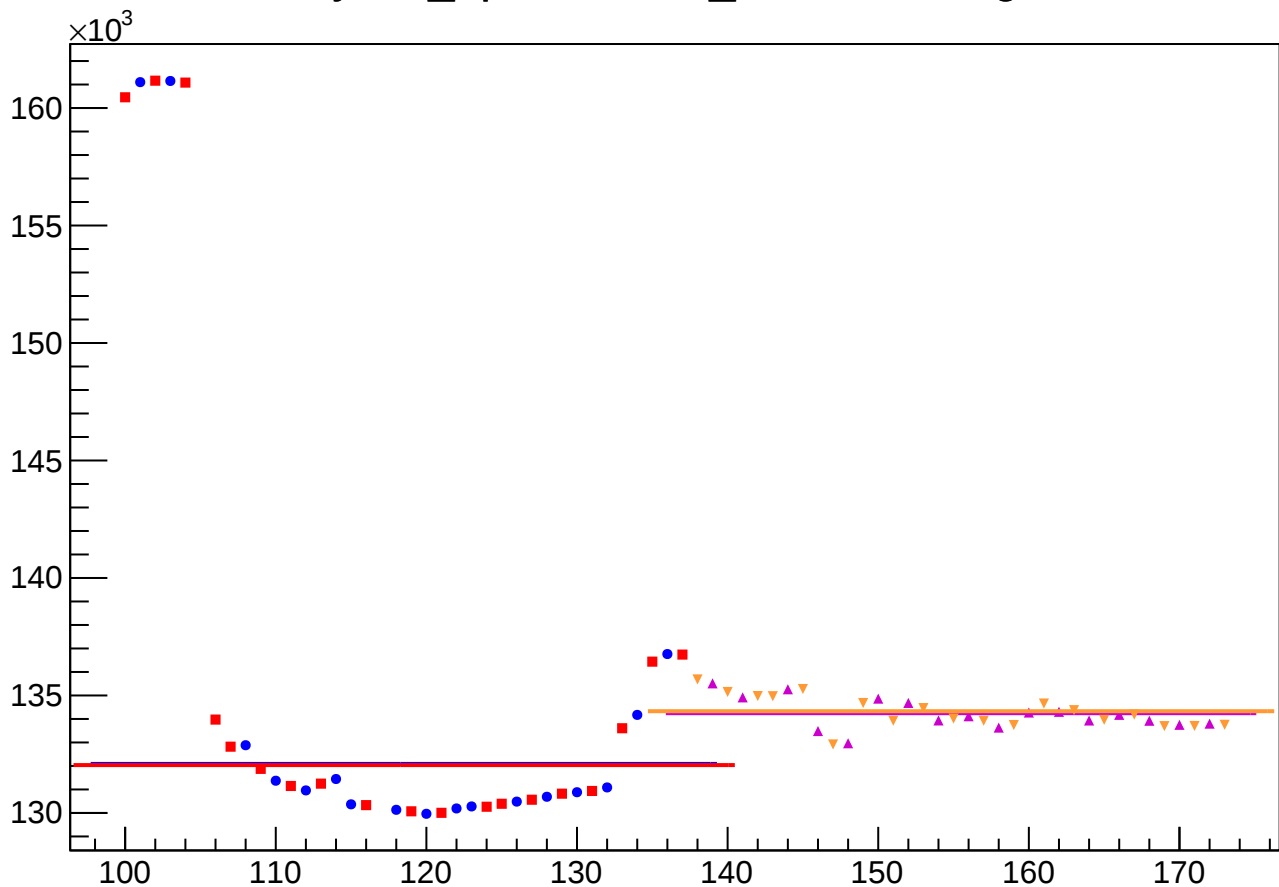
Left In: 188.235 $\pm$ 0.037 χ^2 /NDF: 458429.7/16

+ sign 159.883 $\pm$ 0.026 χ^2 /NDF: 3206346.3/35

All: 157.450 $\pm$ 0.018 χ^2 /NDF: 6739632.9/71

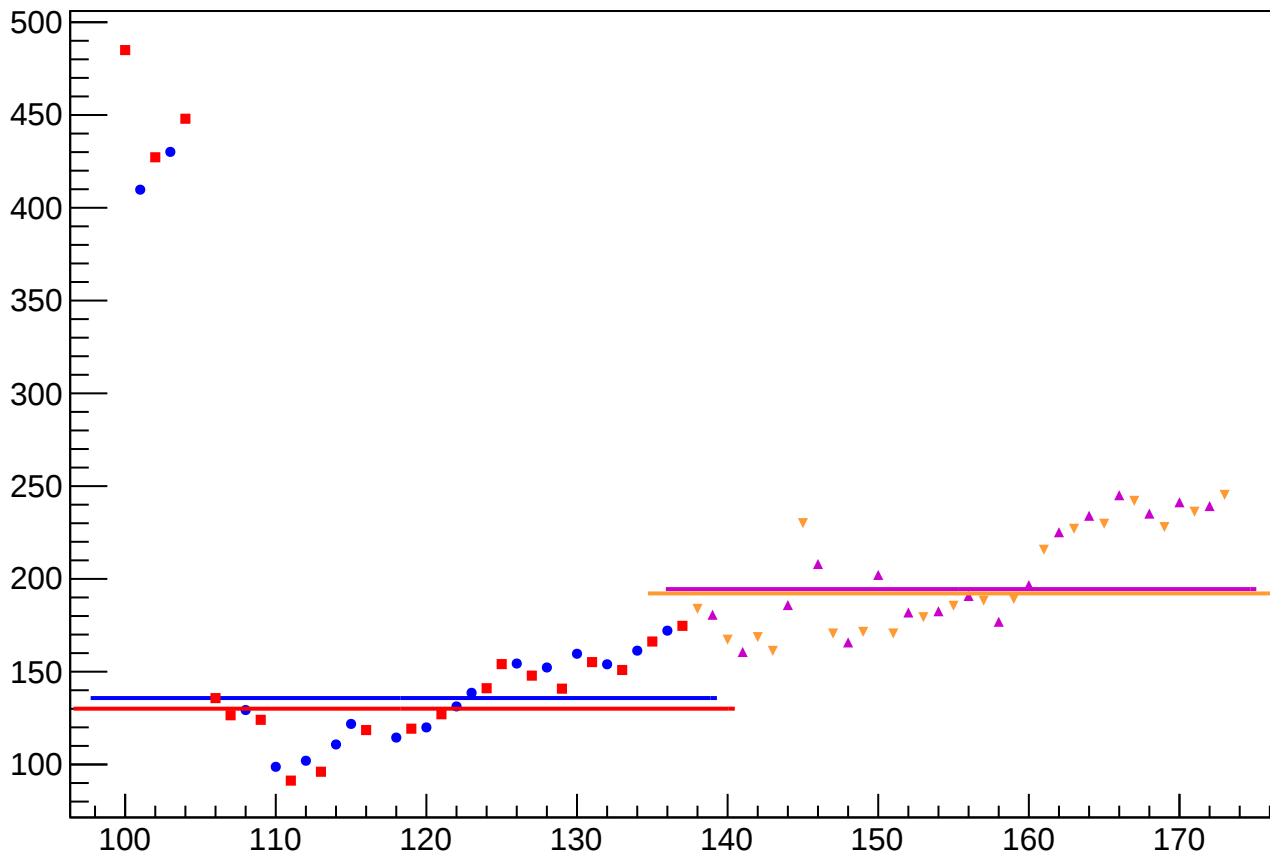
- sign 155.064 $\pm$ 0.026 χ^2 /NDF: 3515910.3/35

yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16
 Left Out: 134330.414 $\pm$ 0.052 χ^2 /NDF: 181267888.5/18
 Right Out: 132037.539 $\pm$ 0.053 χ^2 /NDF: 5882115872.9/18
 Left In: 134245.915 $\pm$ 0.054 χ^2 /NDF: 165465525.7/16
 + sign 133306.840 $\pm$ 0.038 χ^2 /NDF: 7771223431.6
 All: 133204.520 $\pm$ 0.027 χ^2 /NDF: 146868480
 - sign 133104.400 $\pm$ 0.038 χ^2 /NDF: 6901414317.0

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 192.166 $\pm$ 0.037 χ^2 /NDF: 541964.1/18

Right Out: 130.070 $\pm$ 0.037 χ^2 /NDF: 1503997.6/18

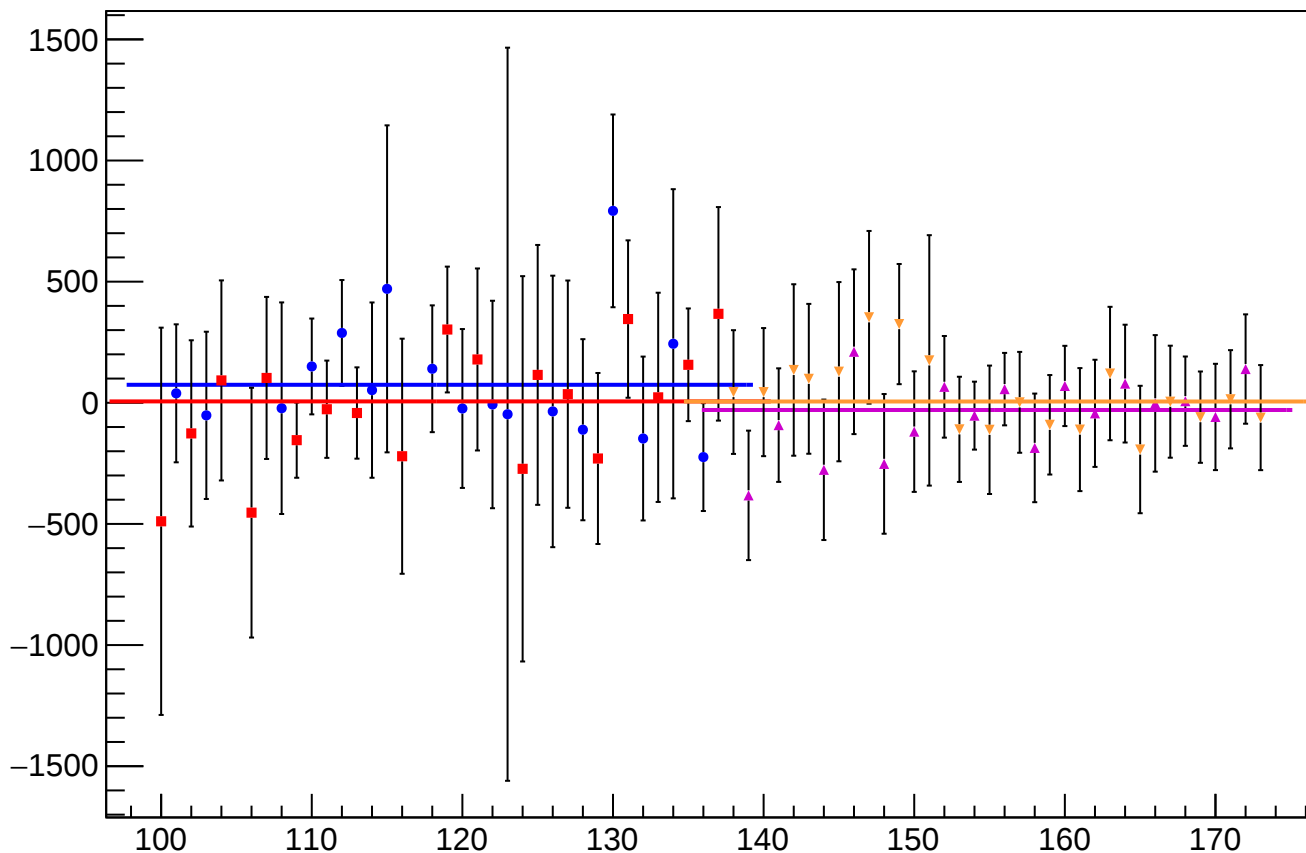
Left In: 194.518 $\pm$ 0.038 χ^2 /NDF: 441660.6/16

+ sign 166.449 $\pm$ 0.027 χ^2 /NDF: 3065471.7/35

All: 163.798 $\pm$ 0.019 χ^2 /NDF: 6484605.9/71

- sign 161.204 $\pm$ 0.027 χ^2 /NDF: 3400057.2/35

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

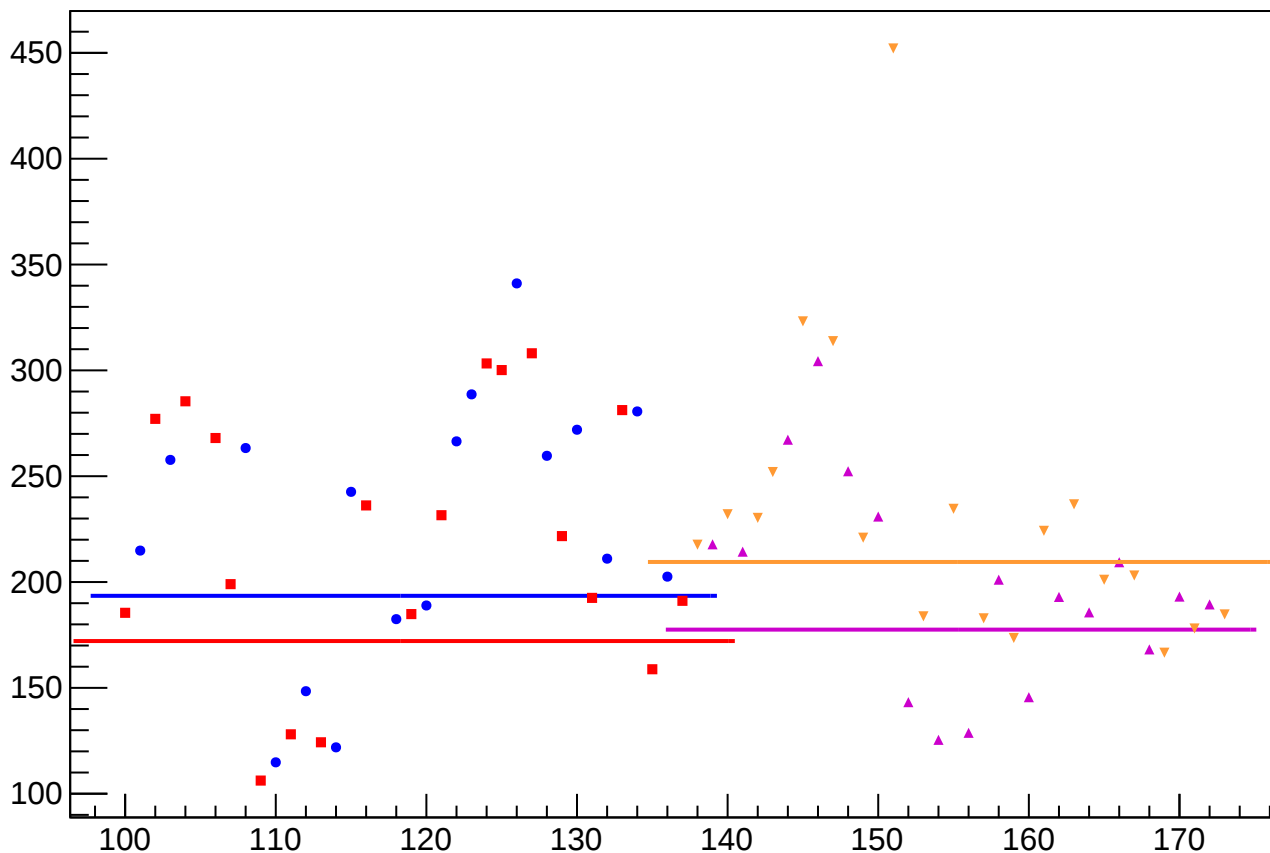
Left In: -29.723+/-51.614 χ^2/NDF : 6.0/16

+ sign 29.296+/-46.561 χ^2/NDF : 13.1/35

All: 3.388+/-31.004 χ^2/NDF : 27.0/71

- sign -17.249+/-41.556 χ^2/NDF : 13.3/35

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 209.486 $\pm$ 0.041 χ^2 /NDF:1213649.3/18

Right Out: 172.122 $\pm$ 0.050 χ^2 /NDF: 1579840.2/18

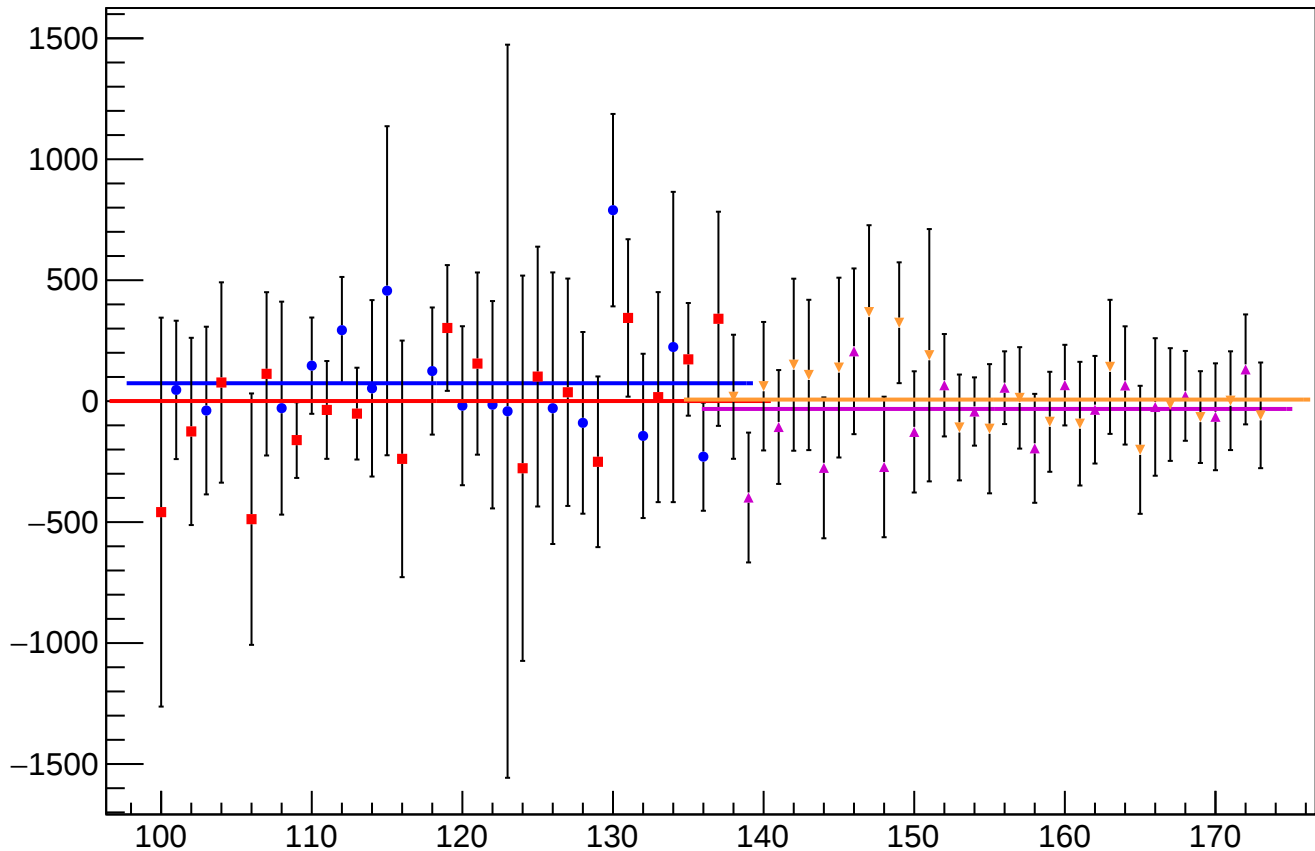
Left In: 177.519 $\pm$ 0.036 χ^2 /NDF:1488163.7/16

+ sign 203.931 $\pm$ 0.033 χ^2 /NDF: 2284360.4/35

All: 188.173 $\pm$ 0.022 χ^2 /NDF: 5771615.2/71

- sign 175.621 $\pm$ 0.029 χ^2 /NDF: 3075693.8/35

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

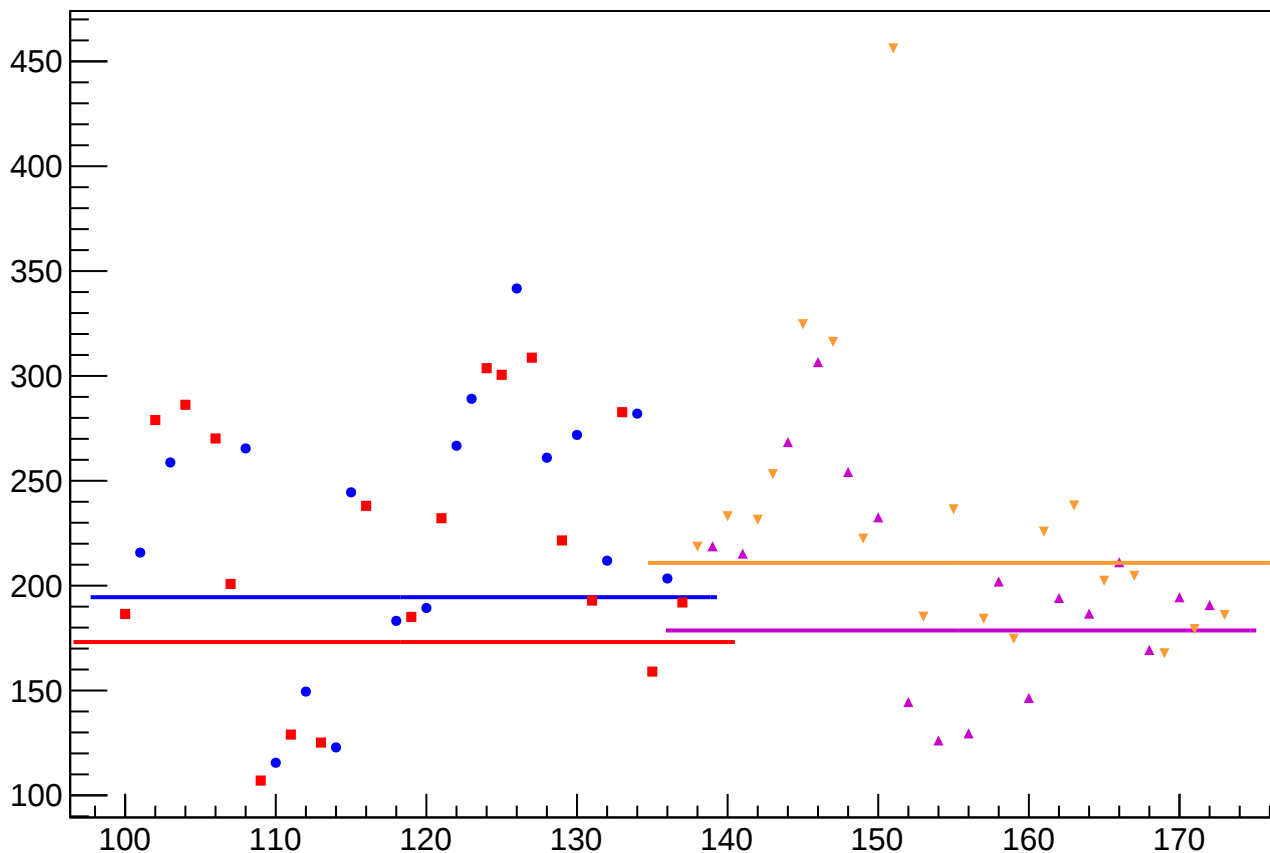
Left In: -32.223 ± 51.939 χ^2/NDF : 6.2/16

+ sign 30.058 ± 46.841 χ^2/NDF : 13.2/35

All: 1.806 ± 31.189 χ^2/NDF : 27.4/71

- sign -20.697 ± 41.803 χ^2/NDF : 13.6/35

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

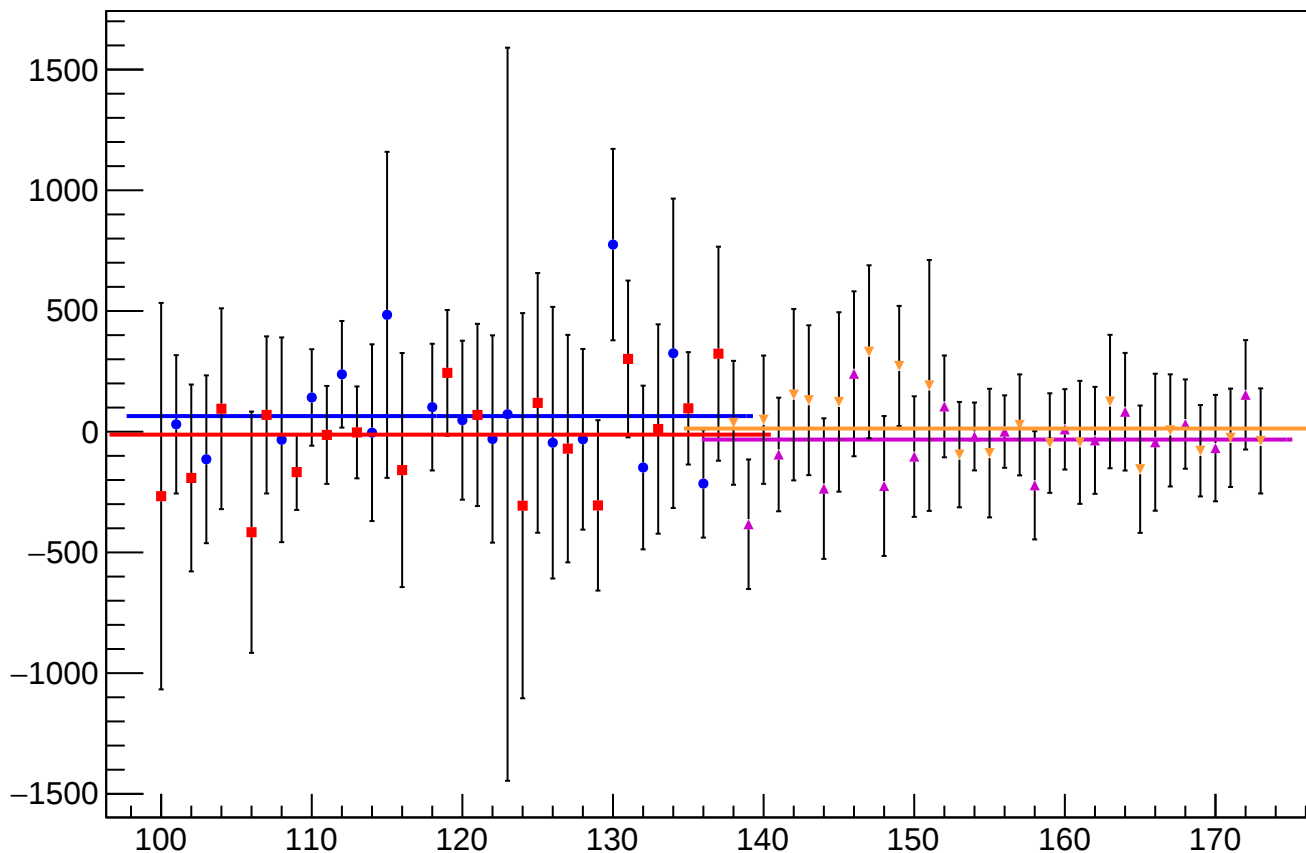
Left In: 178.634 $\pm$ 0.037 χ^2 /NDF:1487038.7/16

+ sign 205.168 $\pm$ 0.033 χ^2 /NDF: 2276244.9/35

All: 189.315 $\pm$ 0.022 χ^2 /NDF: 5750181.8/71

- sign 176.689 $\pm$ 0.030 χ^2 /NDF: 3062378.4/35

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

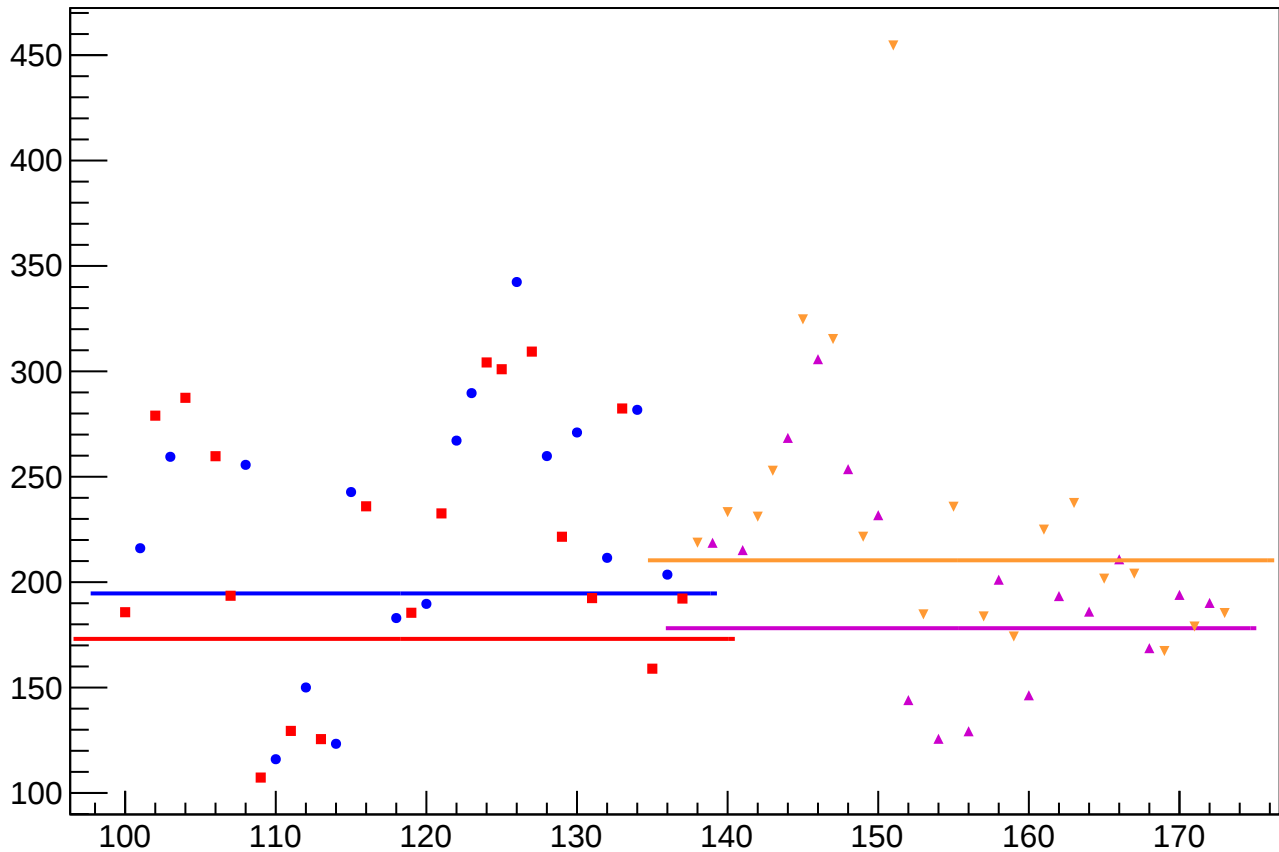
Left In: -32.520 ± 51.804 χ^2/NDF : 5.7/16

+ sign 31.067 ± 46.767 χ^2/NDF : 11.1/35

All: -0.346 ± 31.131 χ^2/NDF : 23.5/71

- sign -25.340 ± 41.716 χ^2/NDF : 11.6/35

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

Right Out: 173.089 $\pm$ 0.050 χ^2 /NDF: 1544540.9/18

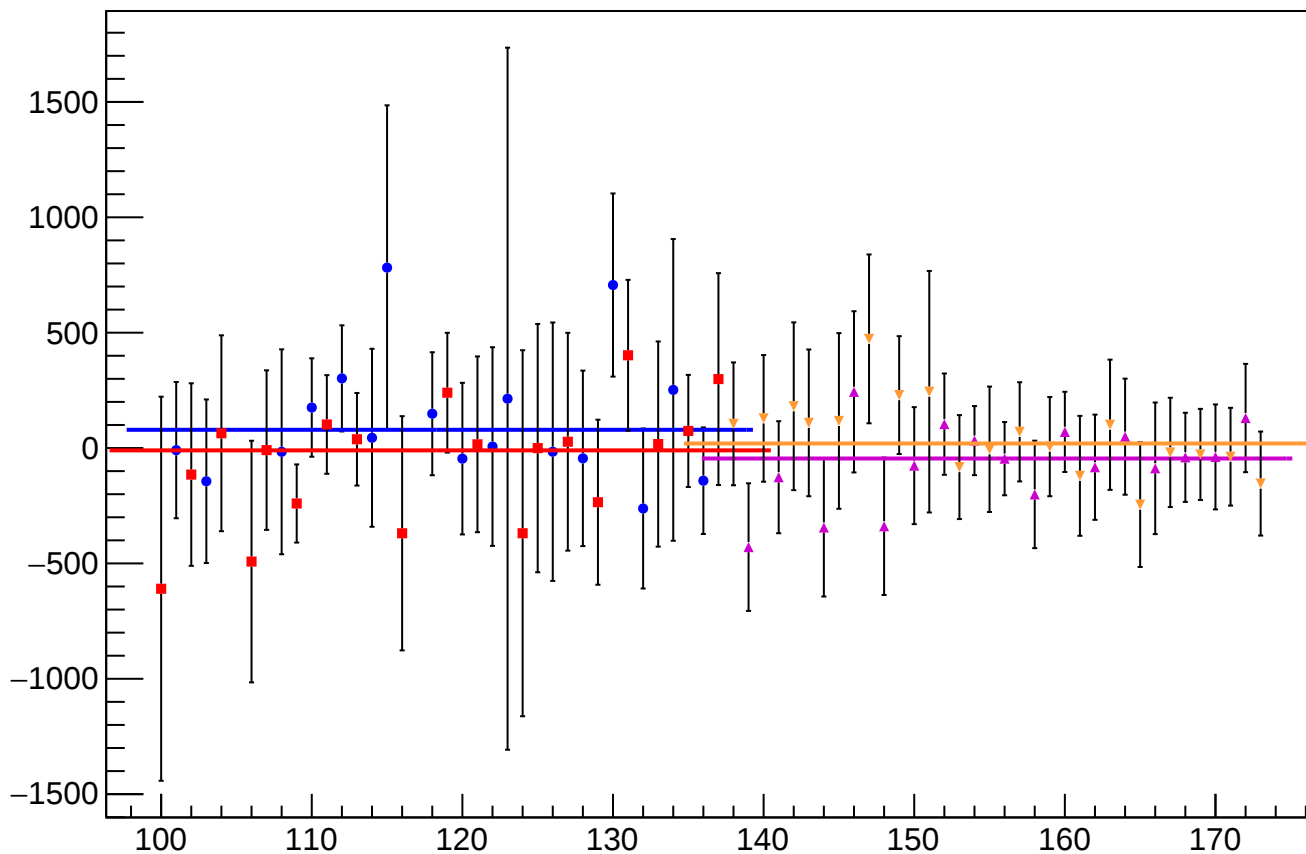
Left In: 178.158 $\pm$ 0.037 χ^2 /NDF: 1490655.4/16

+ sign 204.910 $\pm$ 0.033 χ^2 /NDF: 2252442.9/35

All: 189.019 $\pm$ 0.022 χ^2 /NDF: 5708983.7/71

- sign 176.376 $\pm$ 0.029 χ^2 /NDF: 3041927.5/35

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

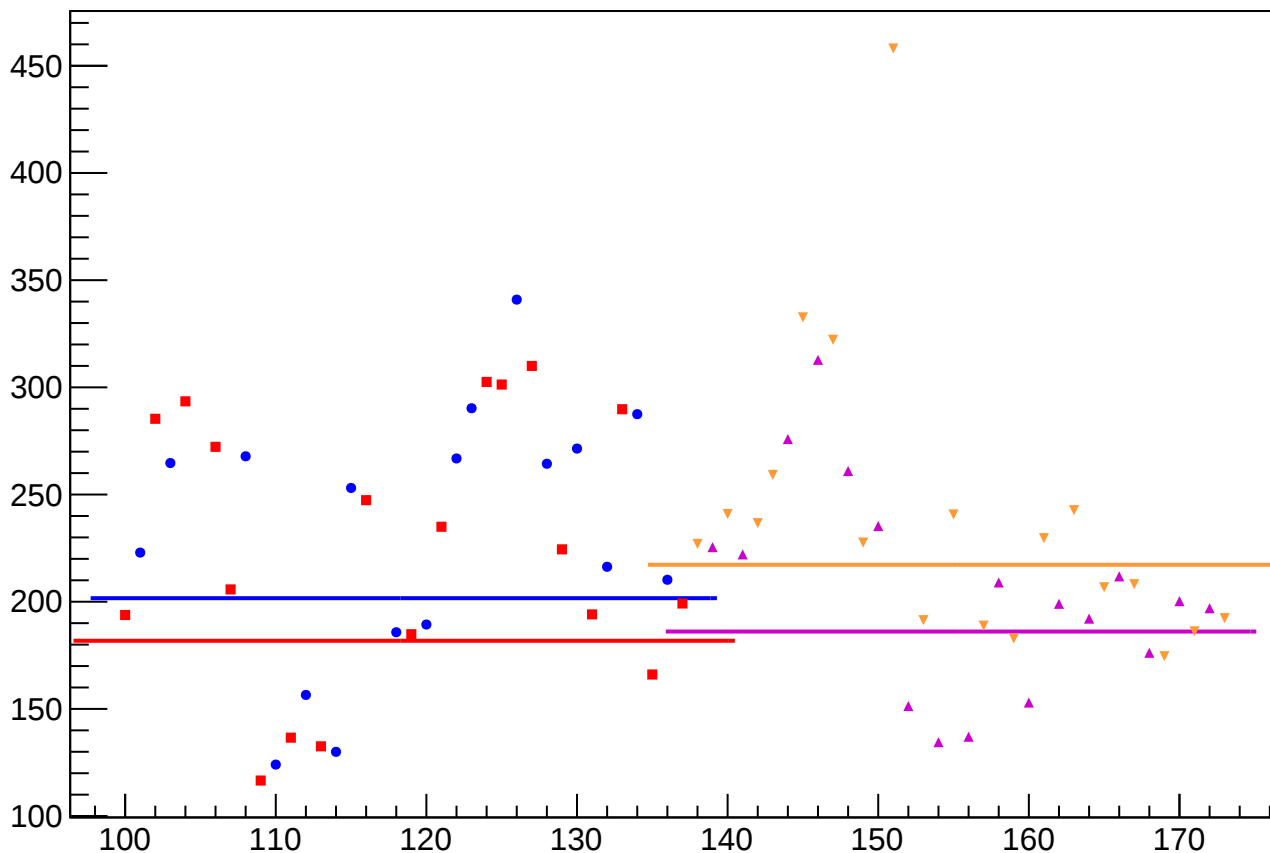
Left In: -45.281 $\pm$ 53.877 χ^2 /NDF: 7.1/16

+ sign 40.368 $\pm$ 48.202 χ^2 /NDF: 13.2/35

All: -0.086 $\pm$ 32.259 χ^2 /NDF: 29.6/71

- sign -32.902 $\pm$ 43.414 χ^2 /NDF: 15.1/35

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

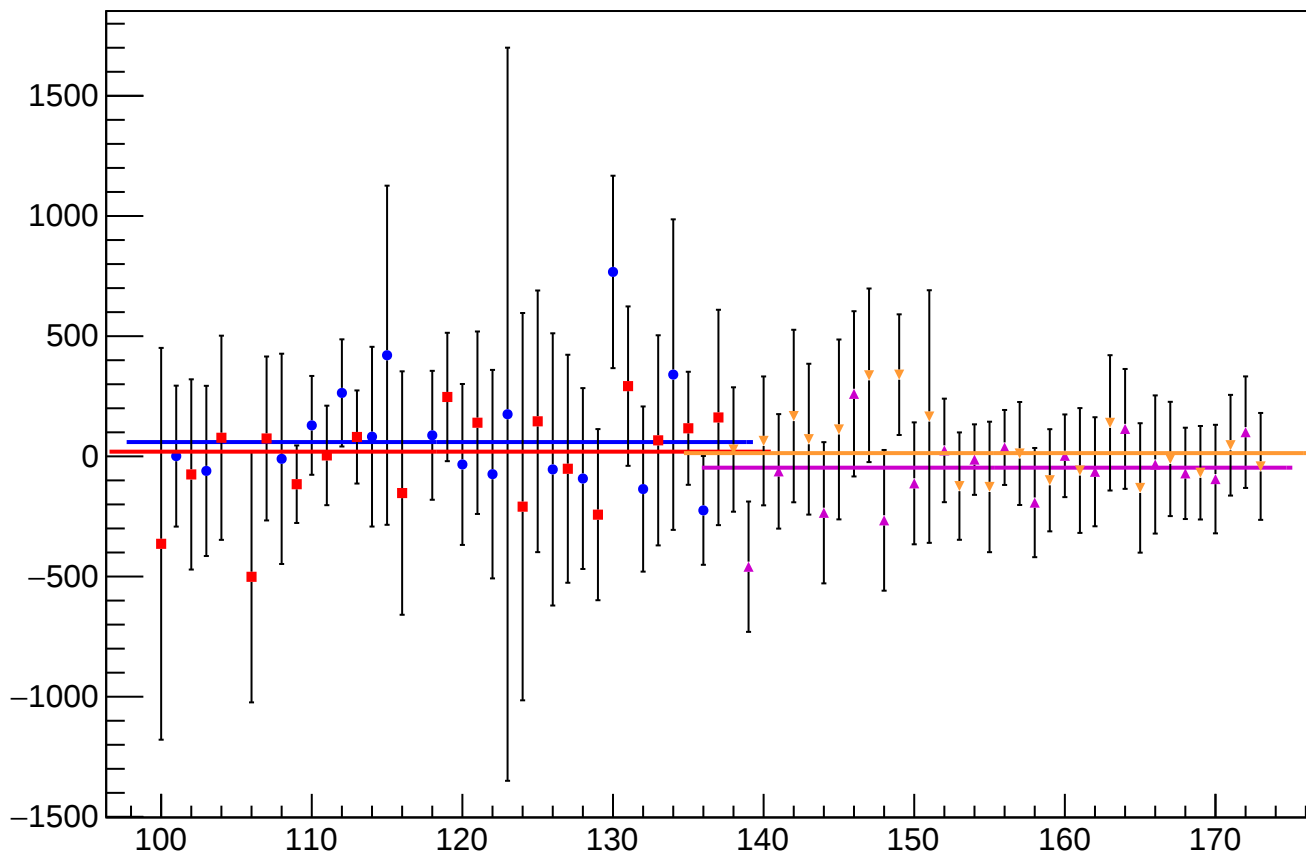
Left In: 186.092 $\pm$ 0.038 χ^2 /NDF:1341777.0/16

+ sign 211.842 $\pm$ 0.034 χ^2 /NDF: 2078735.4/35

All: 196.794 $\pm$ 0.023 χ^2 /NDF: 5155494.7/71

- sign 184.586 $\pm$ 0.031 χ^2 /NDF: 2723684.3/35

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

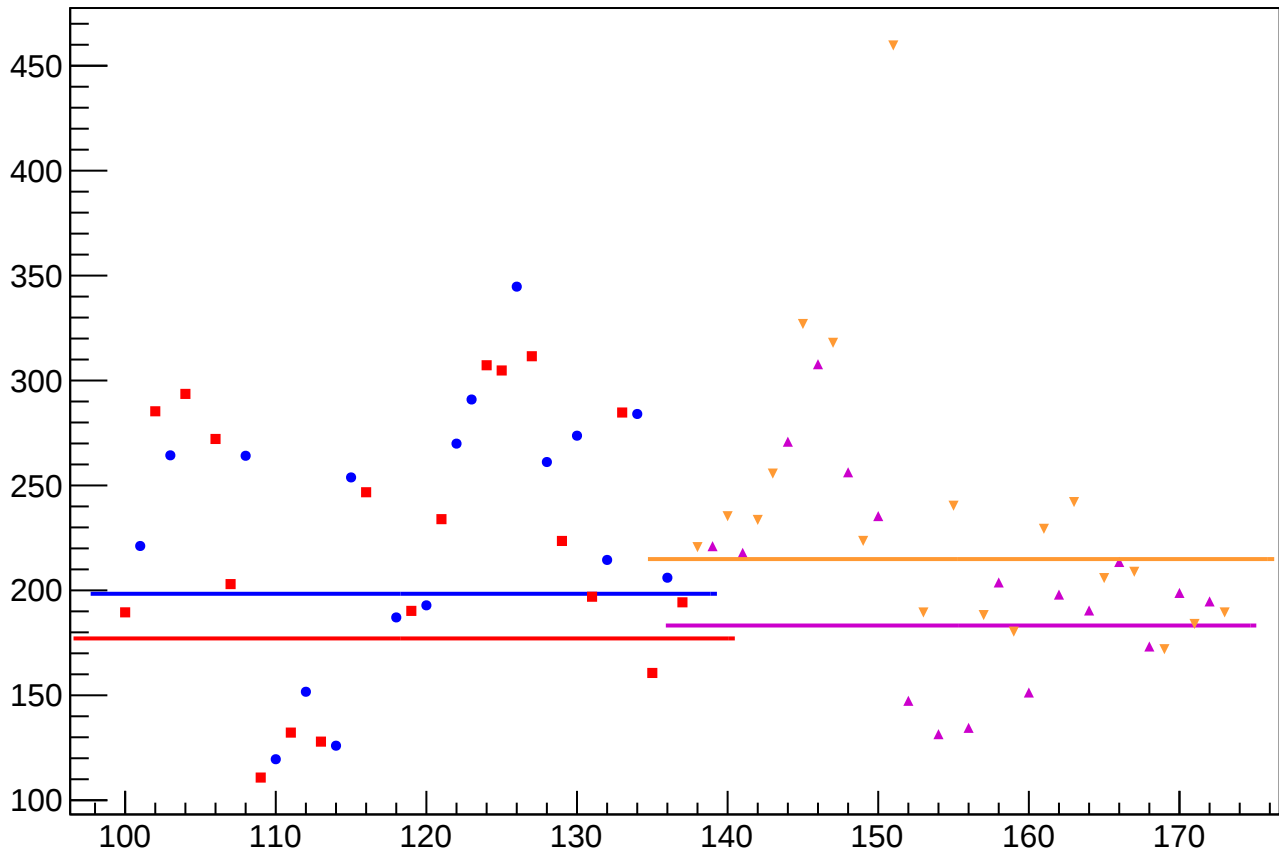
Left In: -47.114 $\pm$ 53.125 χ^2 /NDF: 6.0/16

+ sign 29.496 $\pm$ 47.666 χ^2 /NDF: 11.9/35

All: 0.073 $\pm$ 31.813 χ^2 /NDF: 23.8/71

- sign -23.561 $\pm$ 42.720 χ^2 /NDF: 11.3/35

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

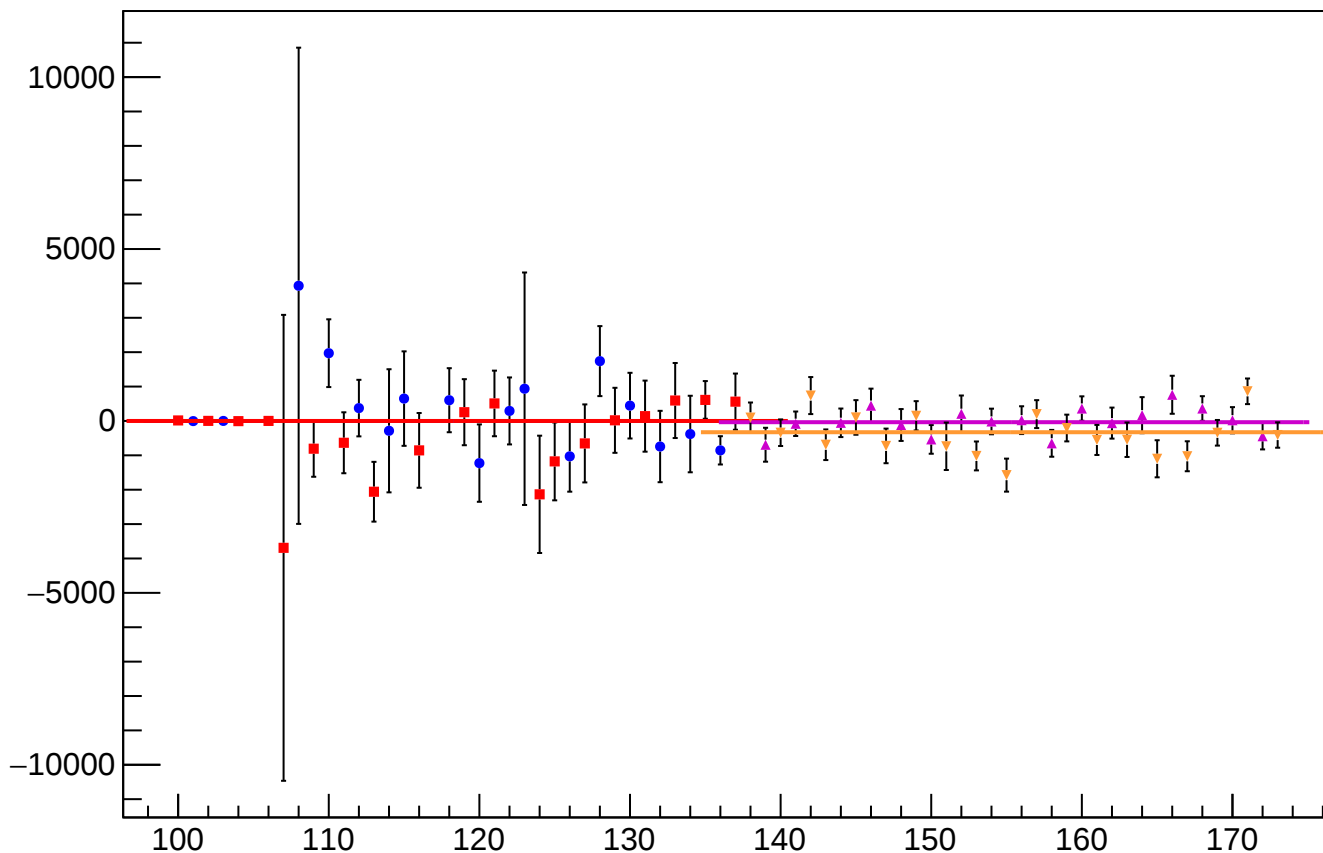
Left In: 183.258+/-0.038 χ^2/NDF :1367794.4/16

+ sign 209.161+/-0.034 χ^2/NDF : 2171392.9/35

All: 193.589+/-0.022 χ^2/NDF : 5458367.7/71

- sign 181.080+/-0.030 χ^2/NDF : 2902065.8/35

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

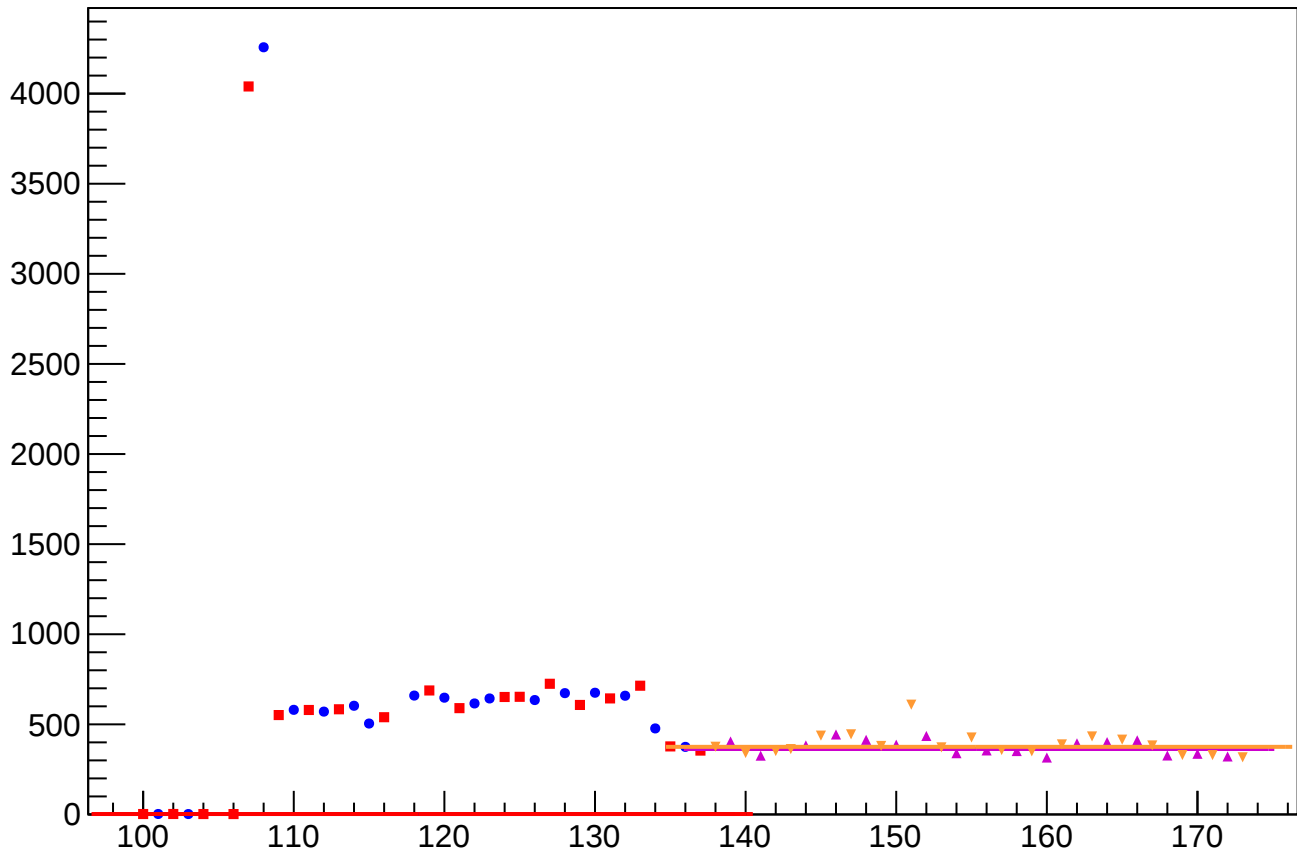
Left In: -36.415 ± 101.564 χ^2/NDF : 12.8/16

+ sign -1.692 ± 2.251 χ^2/NDF : 62.5/35

All: -1.186 ± 1.540 χ^2/NDF : 94.8/71

- sign -0.742 ± 2.111 χ^2/NDF : 32.2/35

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

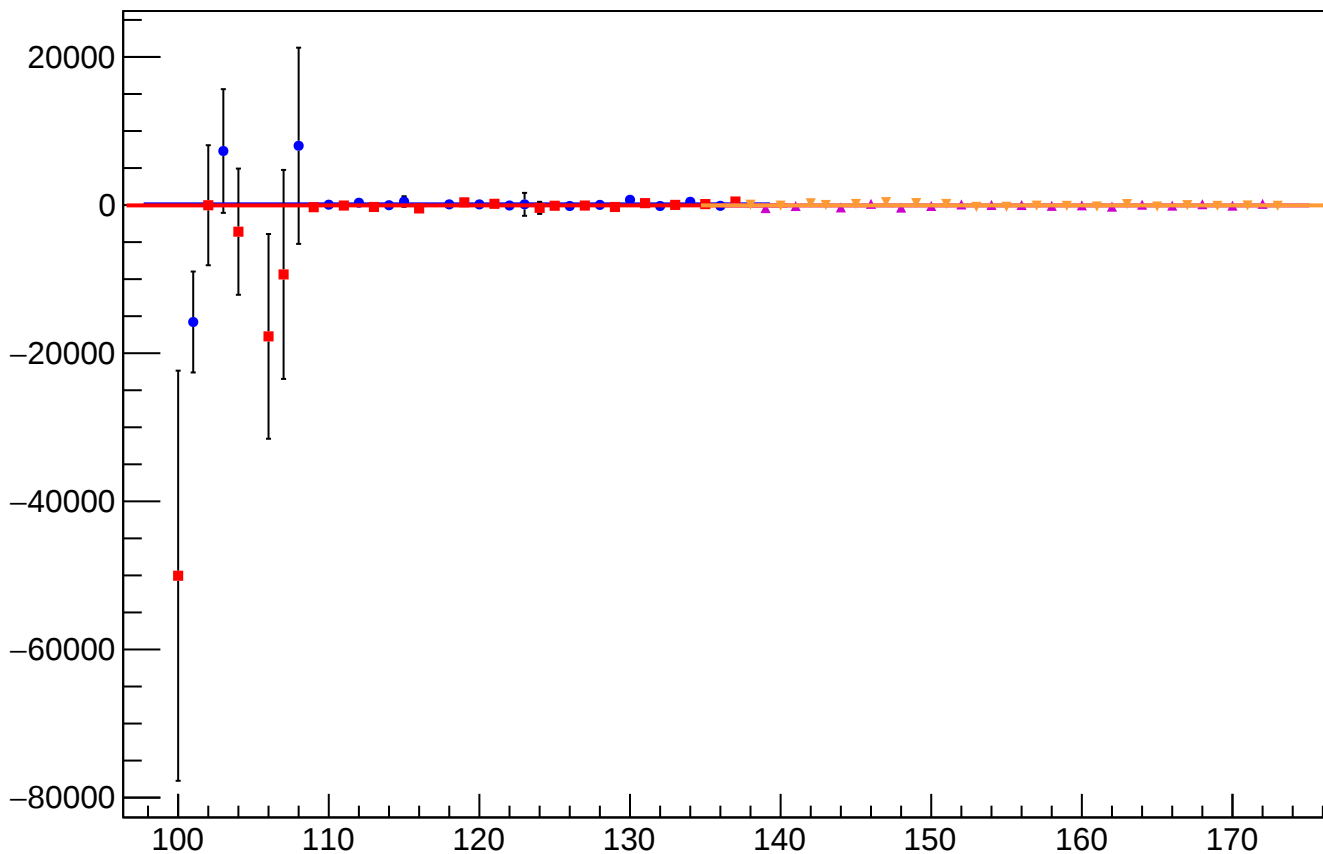
Left In: 363.227+/-0.072 χ^2/NDF : 295863.9/16

+ sign 2.642+/-0.002 χ^2/NDF : 38631352.1/35

All: 2.616+/-0.001 χ^2/NDF : 75302518.3/71

- sign 2.593+/-0.001 χ^2/NDF : 36670649.9/35

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: -39.835+/-61.544 χ^2/NDF : 6.1/18

Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

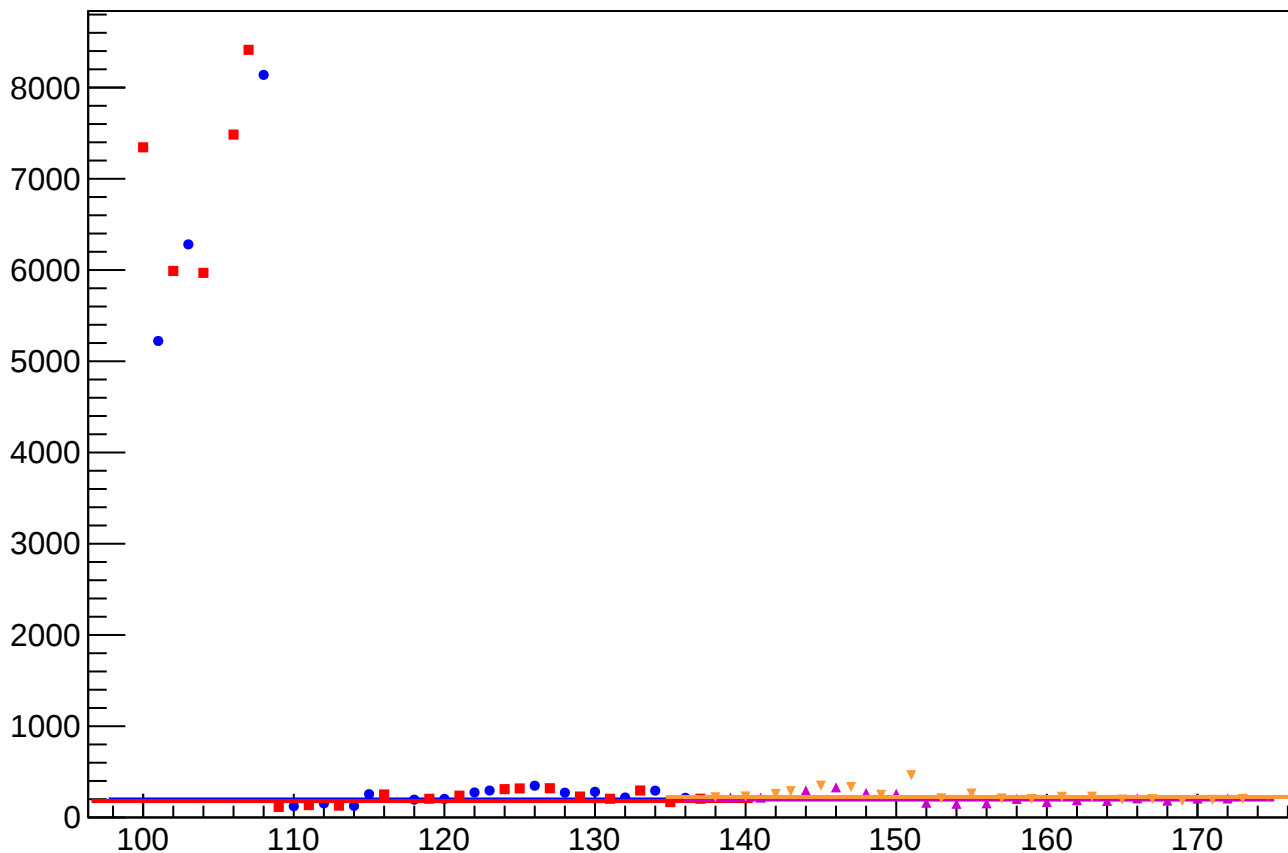
Left In: -45.046+/-56.397 χ^2/NDF : 6.8/16

+ sign 3.717+/-50.955 χ^2/NDF : 19.6/35

All: -22.220+/-34.511 χ^2/NDF : 40.7/71

- sign -44.200+/-46.908 χ^2/NDF : 20.7/35

asym_cav4cQ_rms vs Slug



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 224.543+/-0.044 χ^2/NDF : 1126200.5/18

Right Out: 179.949+/-0.060 χ^2/NDF : 4321173.8/18

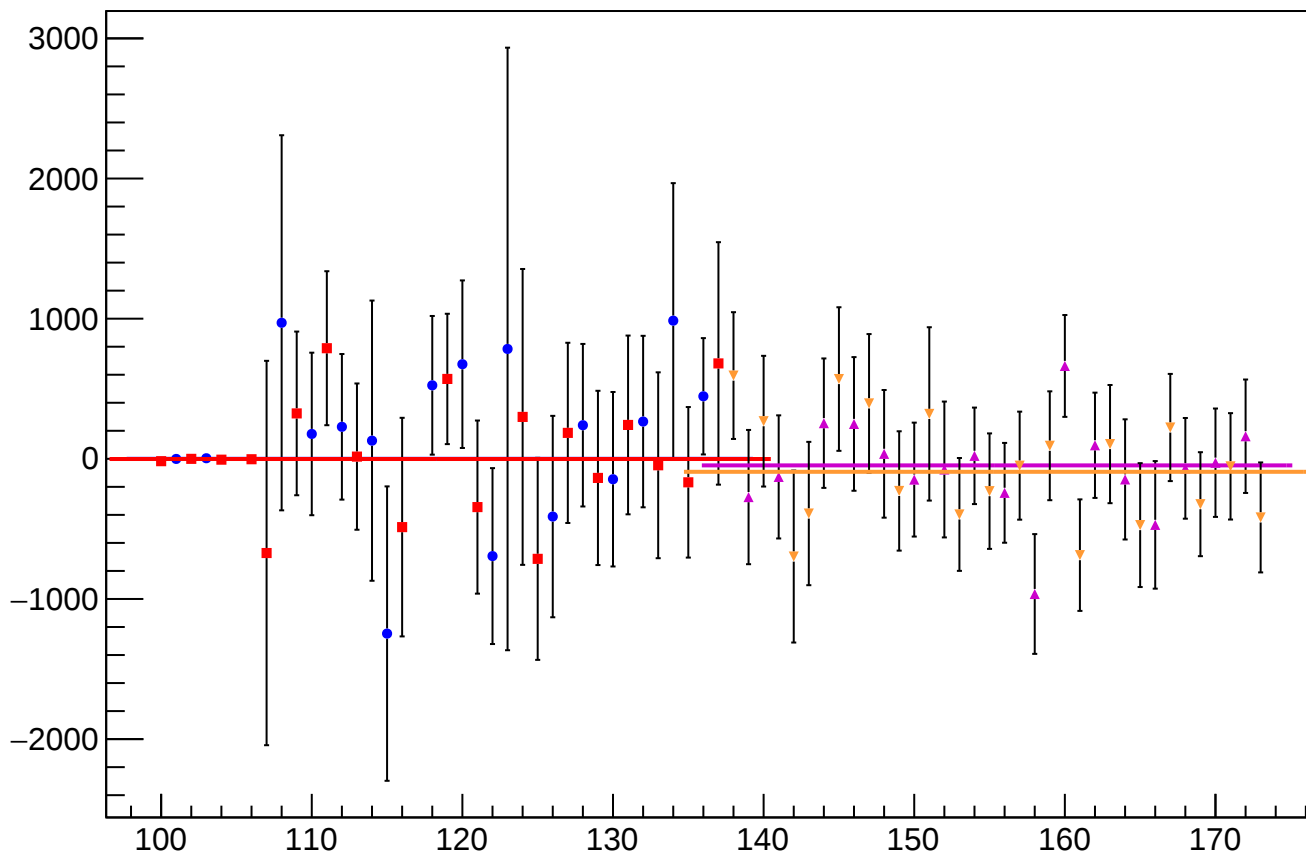
Left In: 196.028+/-0.040 χ^2/NDF : 1079529.4/16

+ sign 215.907+/-0.036 χ^2/NDF : 4945013.9/35

All: 202.465+/-0.024 χ^2/NDF : 10652968.0/71

- sign 191.073+/-0.033 χ^2/NDF : 5450805.1/35

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

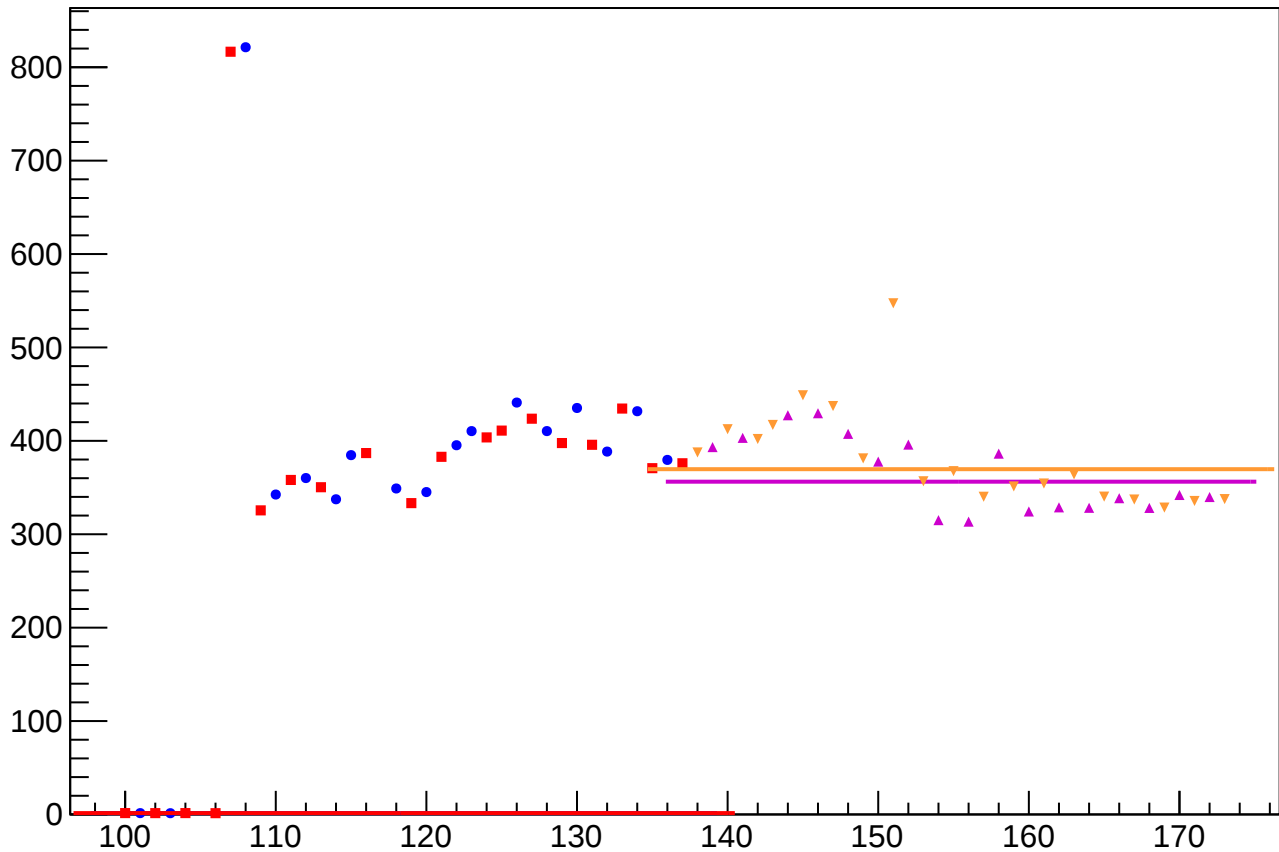
Left In: -46.860 ± 99.489 χ^2/NDF : 11.3/16

+ sign -0.166 ± 1.736 χ^2/NDF : 23.9/35

All: -0.791 ± 1.185 χ^2/NDF : 45.2/71

- sign -1.336 ± 1.622 χ^2/NDF : 21.1/35

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

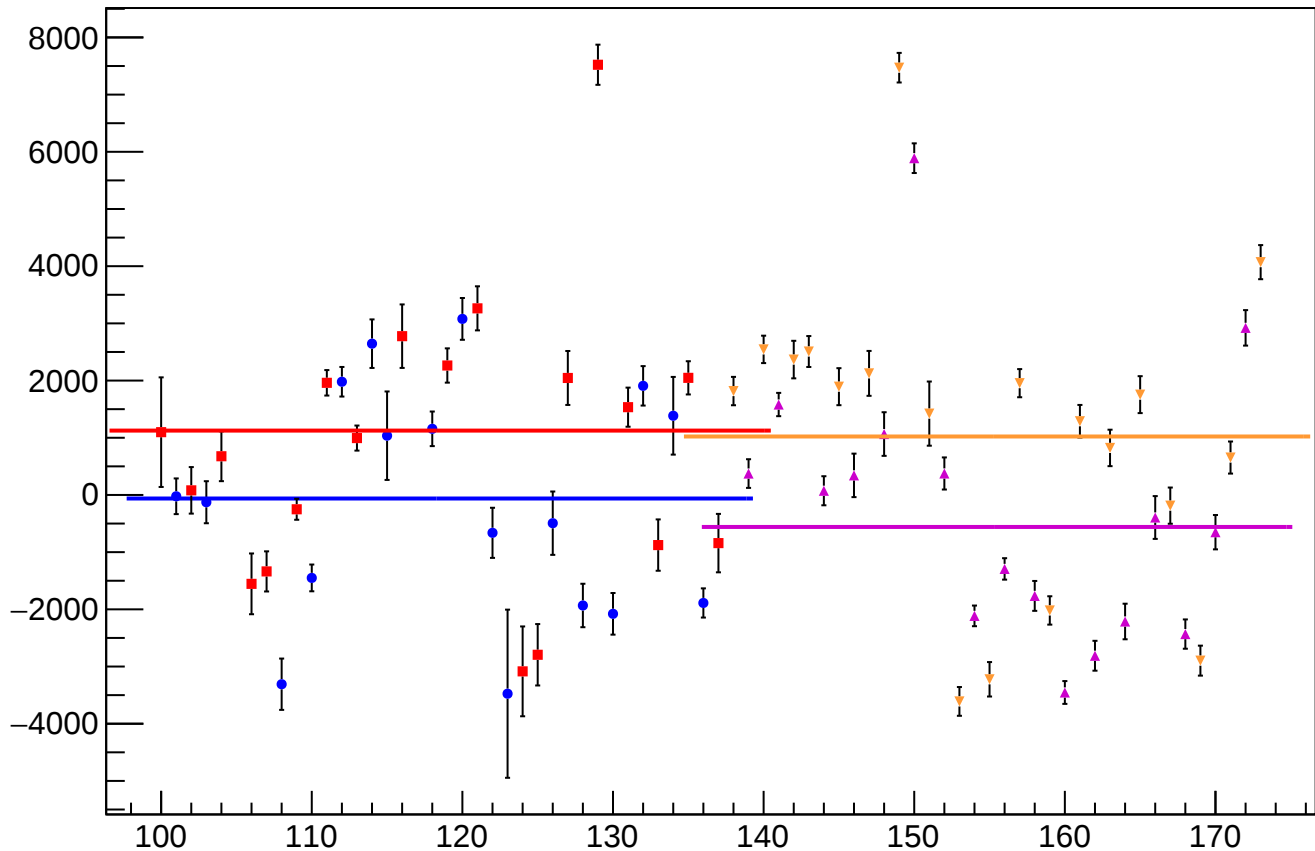
Left In: 356.278+/-0.070 χ^2/NDF : 296958.5/16

+ sign 1.566+/-0.001 χ^2/NDF : 39004673.3/35

All: 1.555+/-0.001 χ^2/NDF : 75615463.2/71

- sign 1.545+/-0.001 χ^2/NDF : 36610638.7/35

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

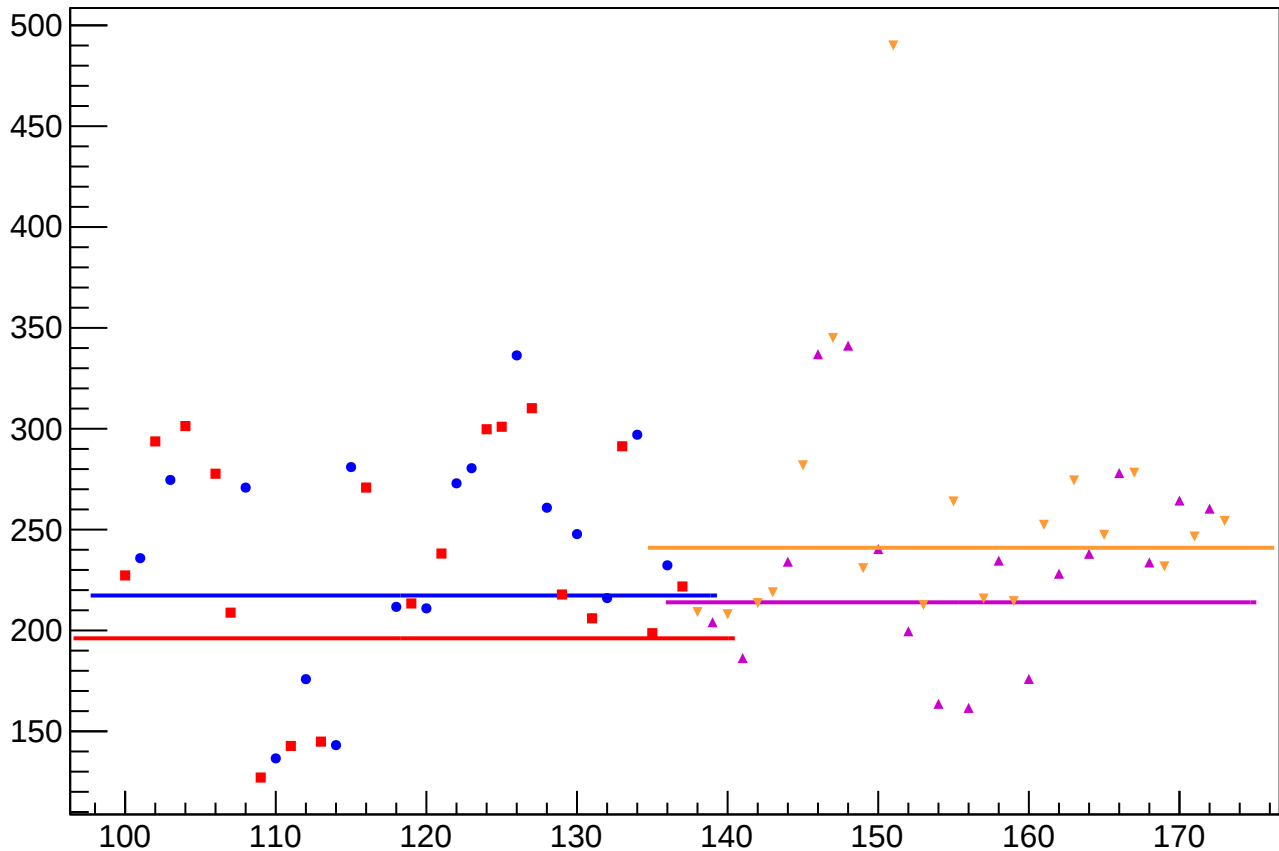
Left In: -559.398 ± 61.472 χ^2/NDF : 1386.6/16

+ sign 629.732 ± 52.598 χ^2/NDF : 2320.1/35

All: 333.159 ± 35.603 χ^2/NDF : 4722.8/71

- sign 82.368 ± 48.368 χ^2/NDF : 2344.0/35

asym_bcm0l02_rms vs Slug



Right In: 217.330 ± 0.062 χ^2/NDF : 652722.5/16

Left Out: 241.005 ± 0.047 χ^2/NDF : 809327.9/18

Right Out: 196.105 ± 0.055 χ^2/NDF : 1190733.6/18

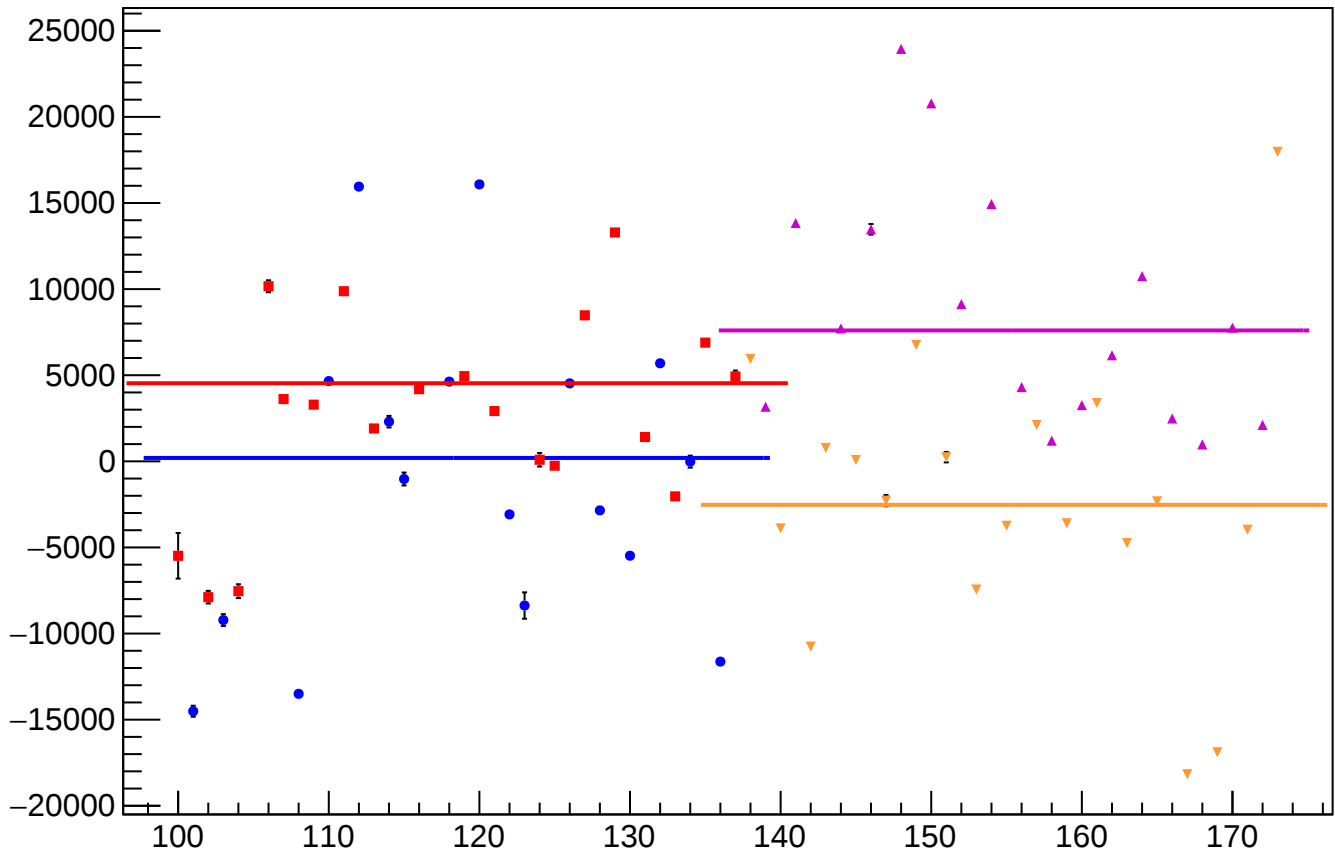
Left In: 213.953 ± 0.043 χ^2/NDF : 1096254.0/16

+ sign 232.435 ± 0.037 χ^2/NDF : 1555630.0/35

All: 218.738 ± 0.025 χ^2/NDF : 4157170.8/71

- sign 207.154 ± 0.034 χ^2/NDF : 2351203.0/35

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

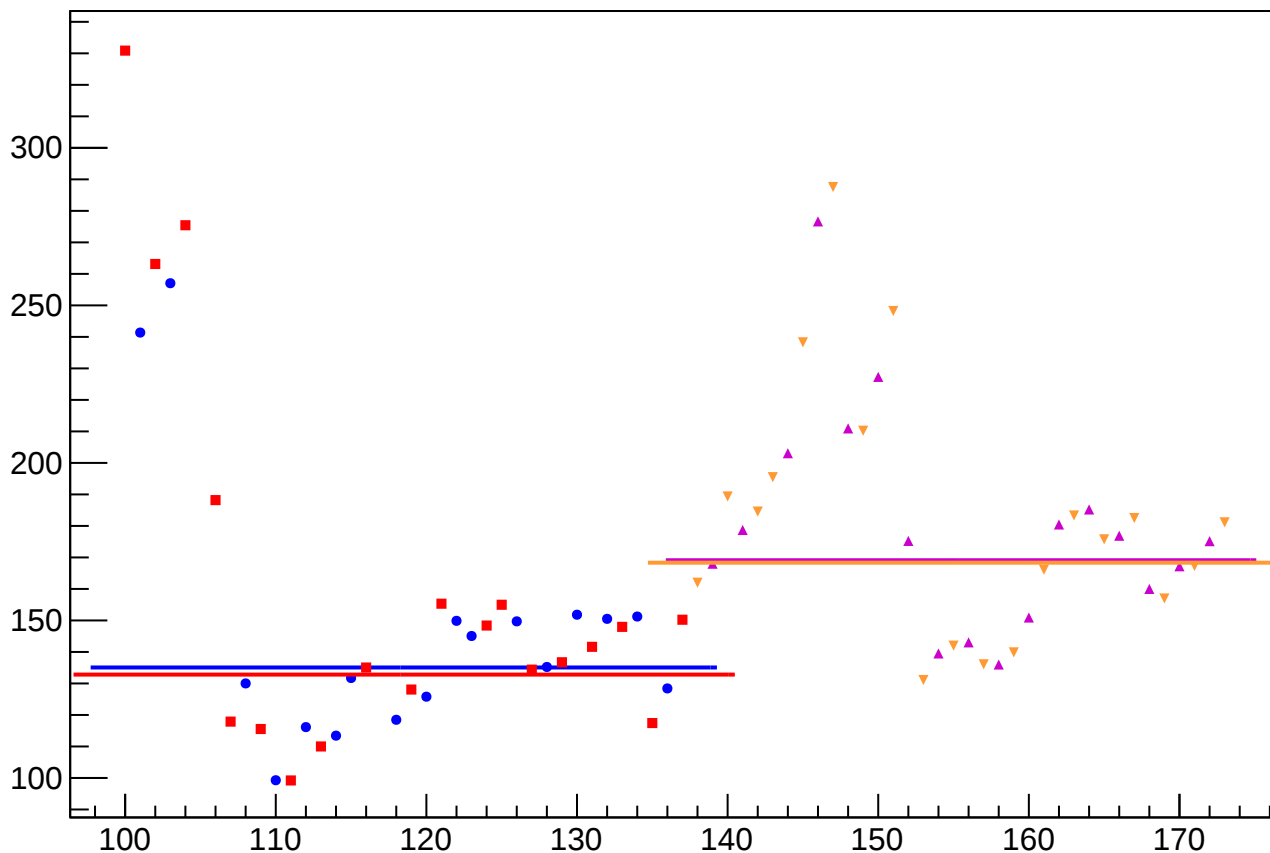
Left In: 7599.351+/-48.089 χ^2/NDF : 17192.2/16

+ sign -1401.752+/-35.210 χ^2/NDF : 61859.6/35

All: 2373.252+/-24.981 χ^2/NDF : 111530.9/71

- sign 6199.807+/-35.449 χ^2/NDF : 26524.4/35

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

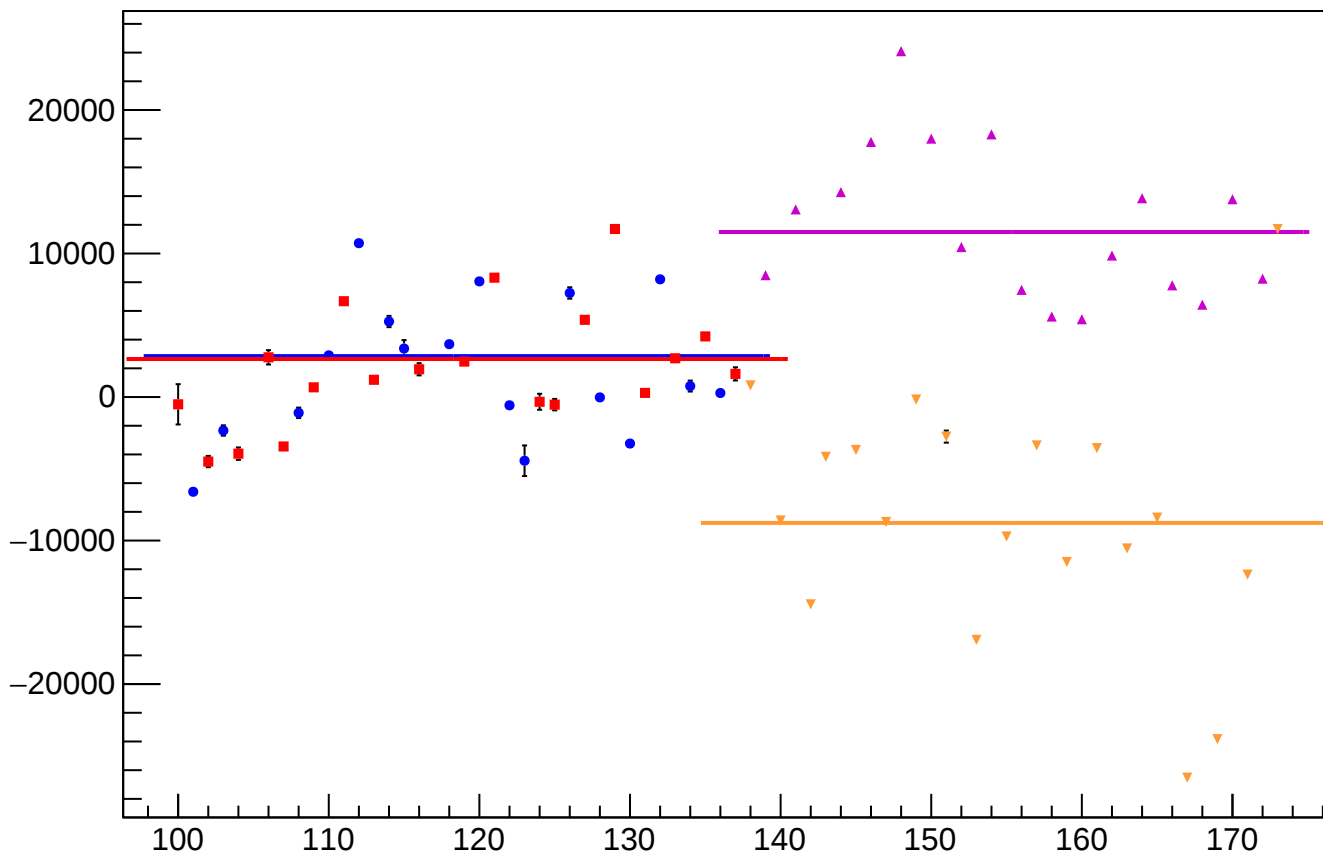
Left In: 169.110 $\pm$ 0.034 χ^2 /NDF: 738636.3/16

+ sign 154.602 $\pm$ 0.025 χ^2 /NDF: 2119935.7/35

All: 153.577 $\pm$ 0.018 χ^2 /NDF: 4213335.3/71

- sign 152.538 $\pm$ 0.025 χ^2 /NDF: 2089987.2/35

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

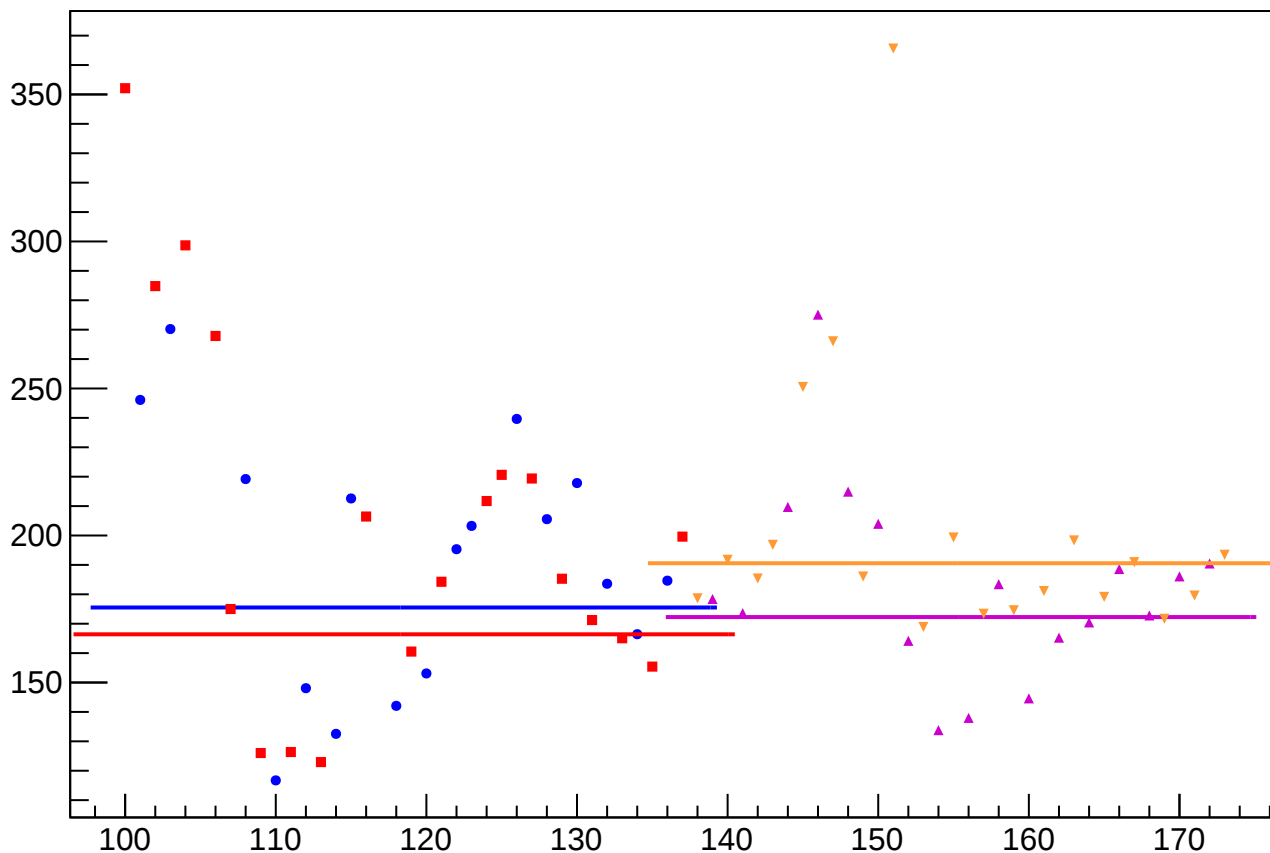
Left In: 11500.001+/-49.042 χ^2/NDF : 10804.2/16

+ sign -4717.883+/-41.780 χ^2/NDF : 51394.9/35

All: 2206.325+/-28.629 χ^2/NDF : 128798.5/71

- sign 8334.924+/-39.307 χ^2/NDF : 25627.5/35

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

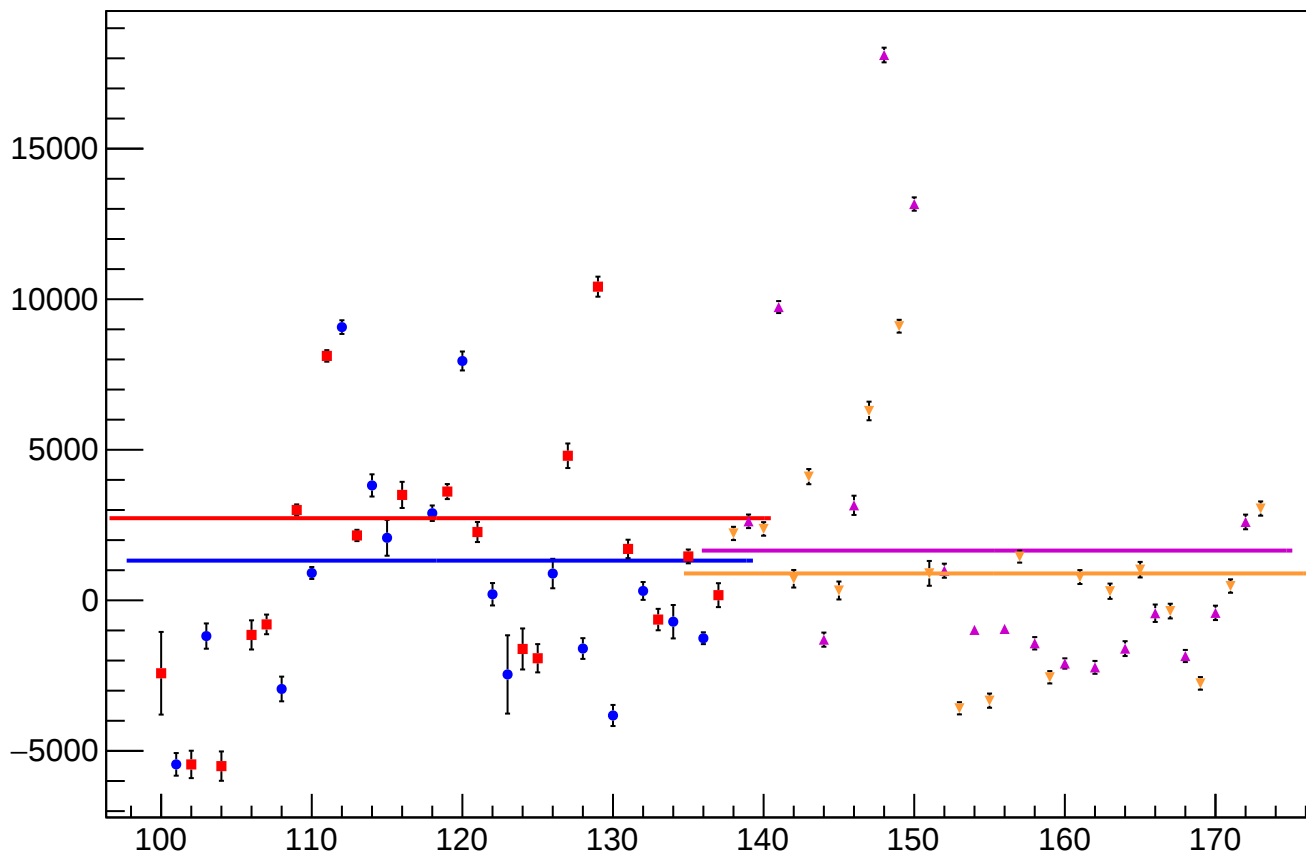
Left In: 172.262+/-0.035 χ^2/NDF : 710439.7/16

+ sign 185.319+/-0.030 χ^2/NDF : 1405111.3/35

All: 177.279+/-0.020 χ^2/NDF : 3194940.2/71

- sign 170.163+/-0.028 χ^2/NDF : 1650218.2/35

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 892.609+/-54.632 χ^2/NDF : 3554.6/18

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

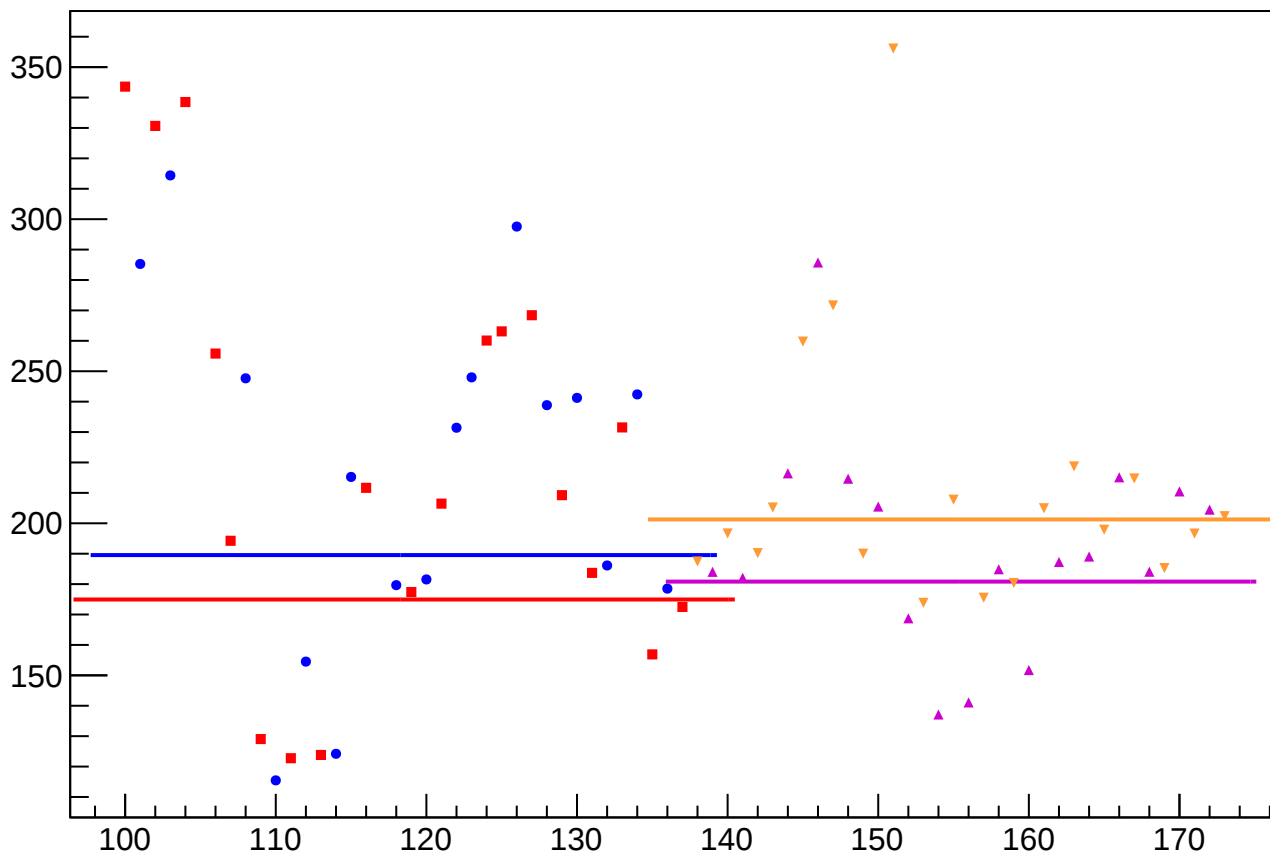
Left In: 1652.600+/-51.553 χ^2/NDF : 11302.8/16

+ sign 1035.026+/-44.584 χ^2/NDF : 6242.0/35

All: 1568.187+/-30.383 χ^2/NDF : 20460.6/71

- sign 2030.497+/-41.517 χ^2/NDF : 13951.6/35

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

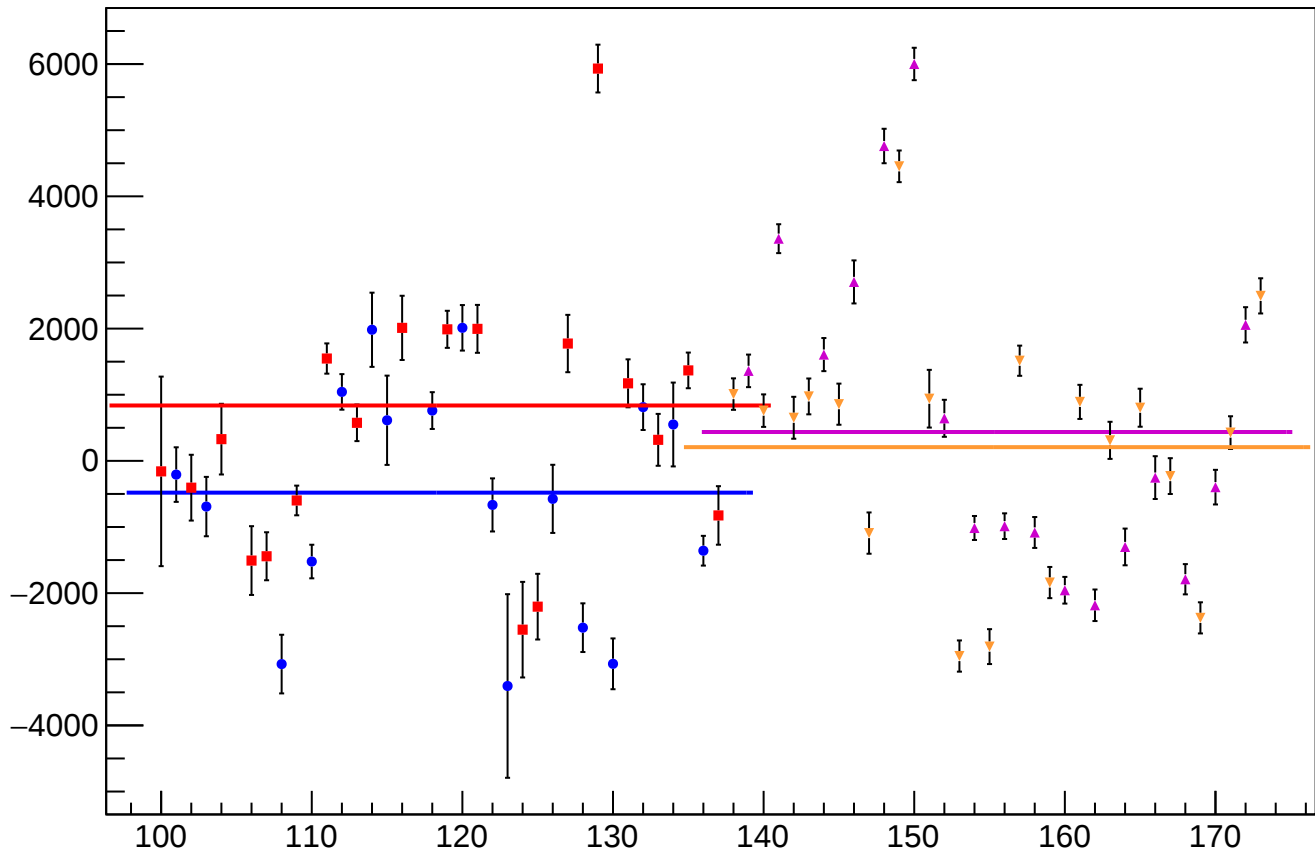
Left In: 180.823 $\pm$ 0.036 χ^2 /NDF: 757073.6/16

+ sign 197.348 $\pm$ 0.032 χ^2 /NDF: 1613366.1/35

All: 187.391 $\pm$ 0.021 χ^2 /NDF: 3862958.7/71

- sign 178.756 $\pm$ 0.029 χ^2 /NDF: 2063321.3/35

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

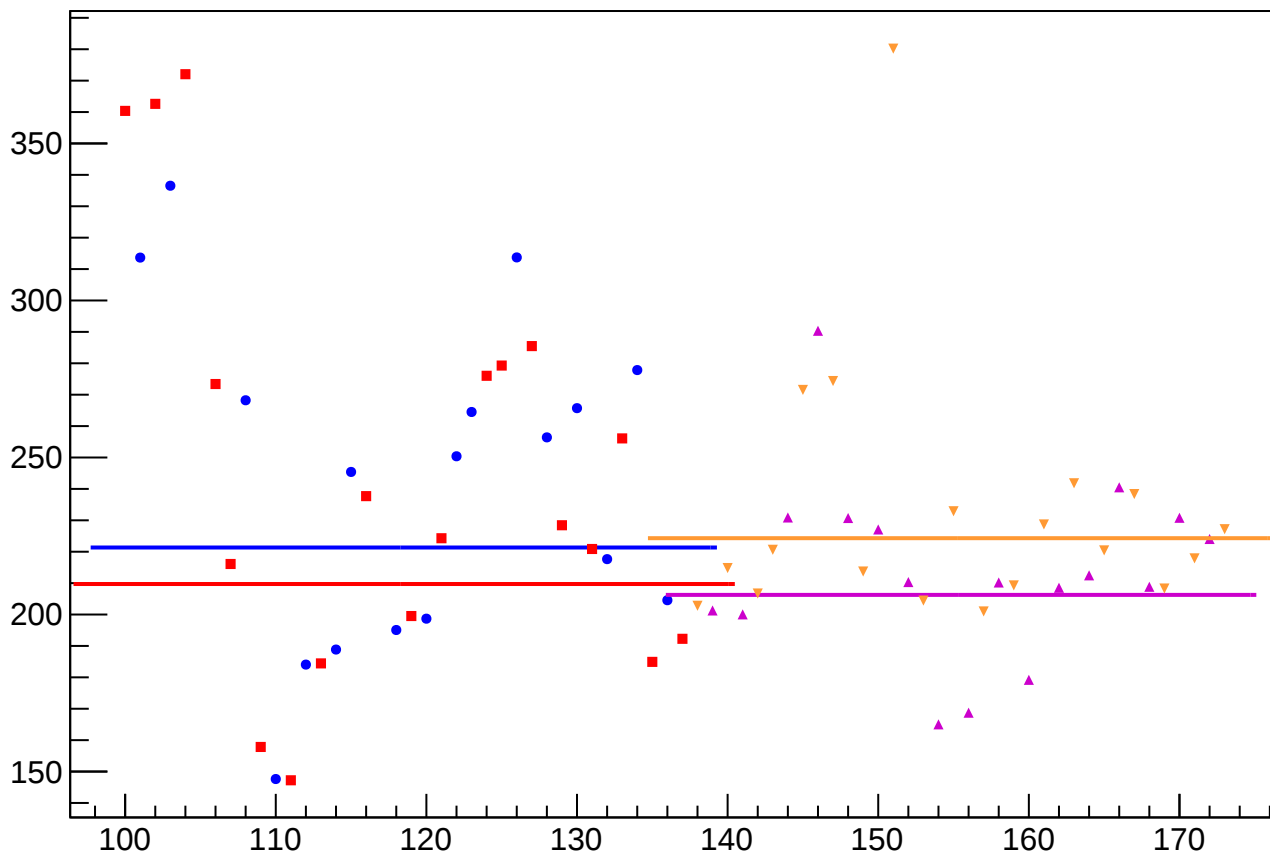
Left In: 436.447 ± 58.251 χ^2/NDF : 1662.6/16

+ sign -11.580 ± 50.008 χ^2/NDF : 1324.5/35

All: 294.156 ± 34.454 χ^2/NDF : 3509.4/71

- sign 570.406 ± 47.535 χ^2/NDF : 2113.7/35

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

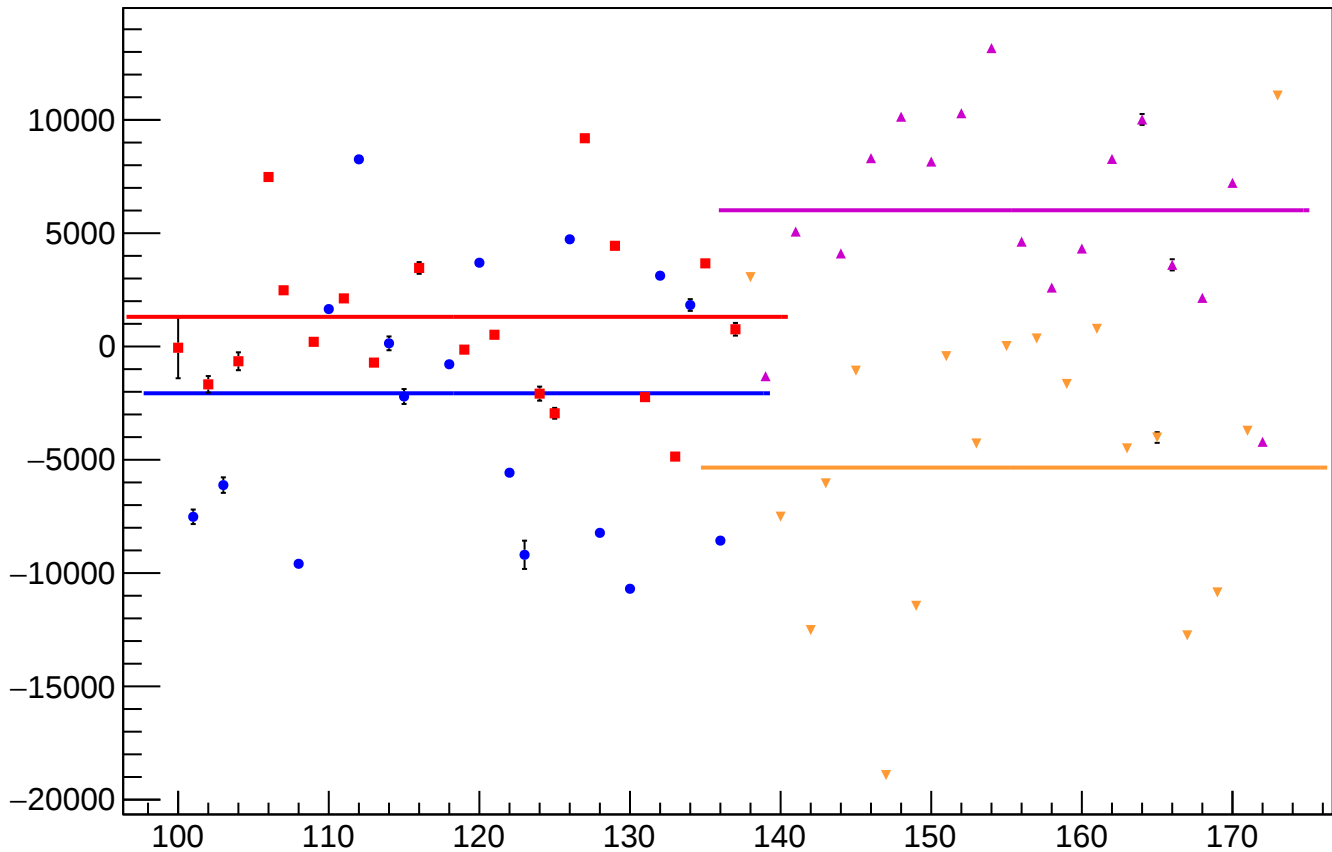
Left In: 206.253 $\pm$ 0.041 χ^2 /NDF: 452900.9/16

+ sign 223.365 $\pm$ 0.035 χ^2 /NDF: 1100122.7/35

All: 214.983 $\pm$ 0.024 χ^2 /NDF: 2546245.8/71

- sign 207.410 $\pm$ 0.034 χ^2 /NDF: 1339180.7/35

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 χ^2/NDF : 16533.3/16

Left Out: -5344.413 ± 35.577 χ^2/NDF : 36143.8/18

Right Out: 1308.512 ± 45.001 χ^2/NDF : 5894.4/18

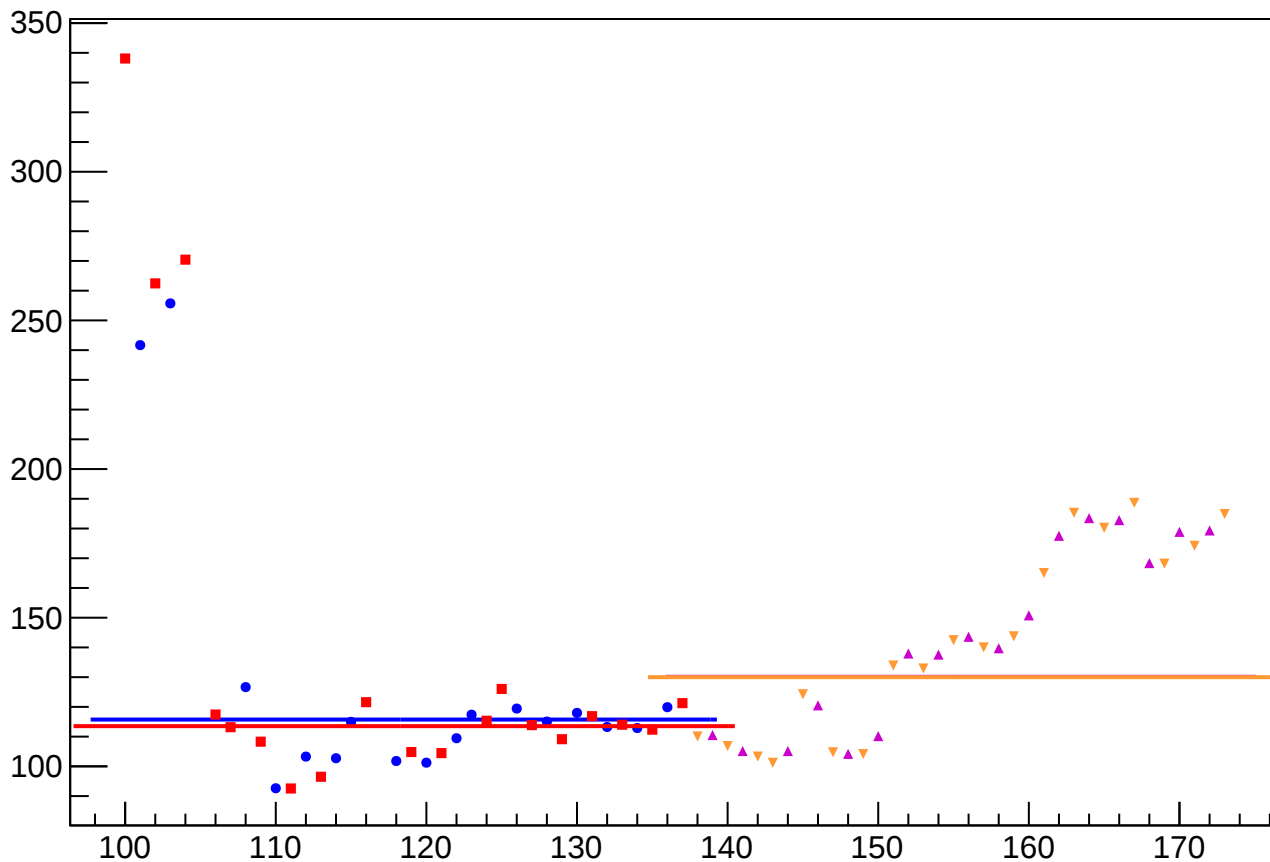
Left In: 6011.899 ± 36.873 χ^2/NDF : 12005.0/16

+ sign -4160.242 ± 28.437 χ^2/NDF : 55745.0/35

All: -31.075 ± 20.138 χ^2/NDF : 122473.7/71

- sign 4122.591 ± 28.521 χ^2/NDF : 24435.2/35

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

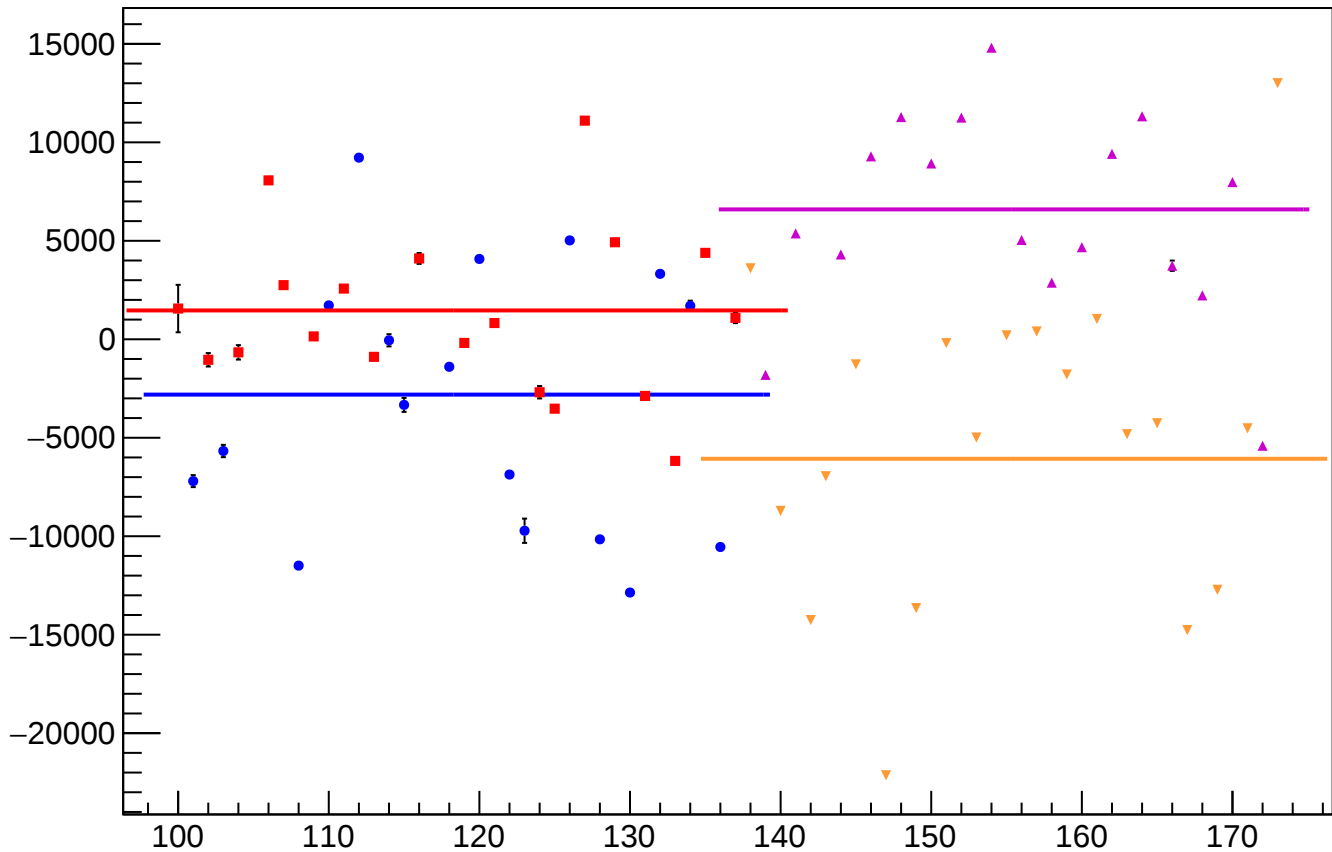
Left In: 130.115+/-0.026 χ^2/NDF :1059627.3/16

+ sign 124.843+/-0.020 χ^2/NDF : 2119776.6/35

All: 124.148+/-0.014 χ^2/NDF : 4141180.8/71

- sign 123.448+/-0.020 χ^2/NDF : 2019007.8/35

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 $\chi^2/\text{NDF}: 8004.7/18$

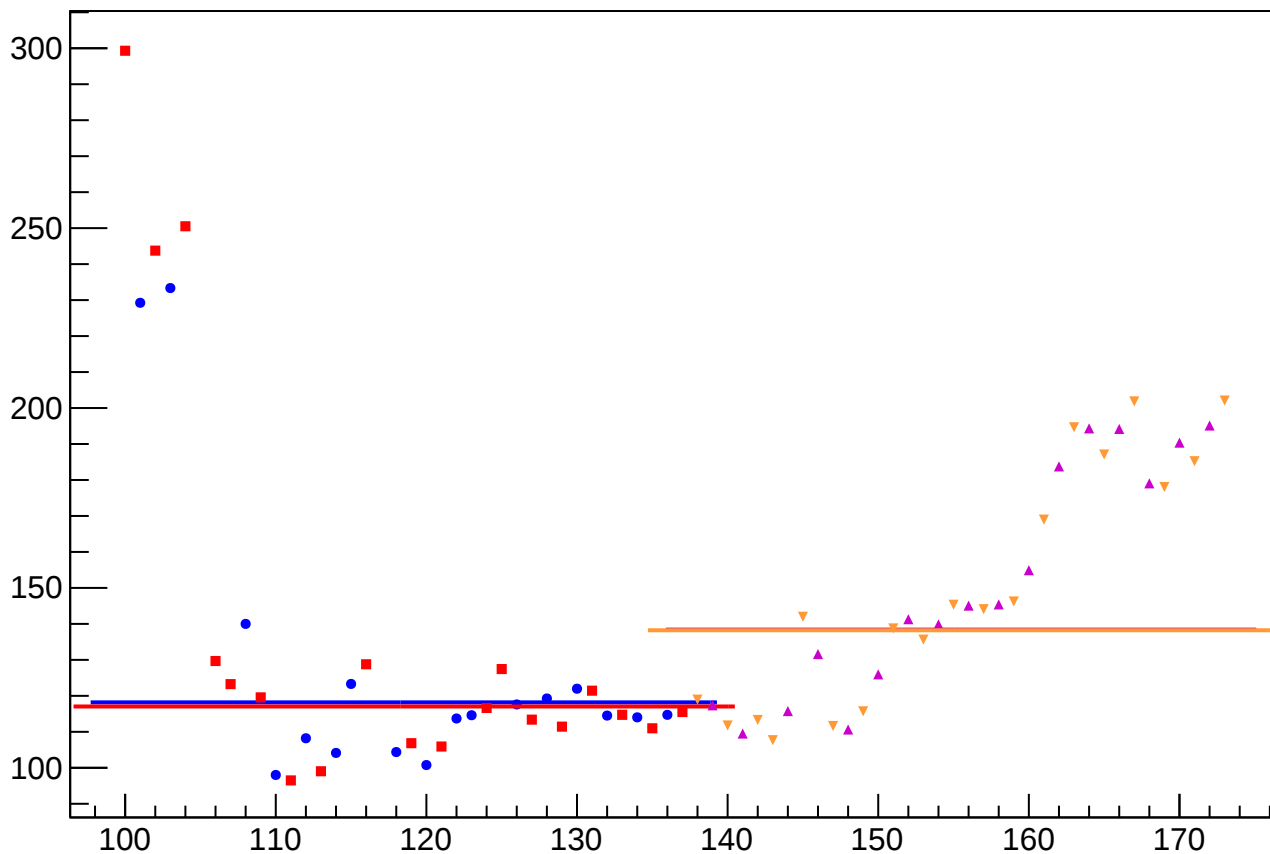
Left In: 6594.887 ± 39.191 $\chi^2/\text{NDF}: 14112.4/16$

+ sign -4829.030 ± 29.766 $\chi^2/\text{NDF}: 67316.2/35$

All: -211.971 ± 21.109 $\chi^2/\text{NDF}: 144965.1/71$

- sign 4458.703 ± 29.939 $\chi^2/\text{NDF}: 29251.7/35$

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

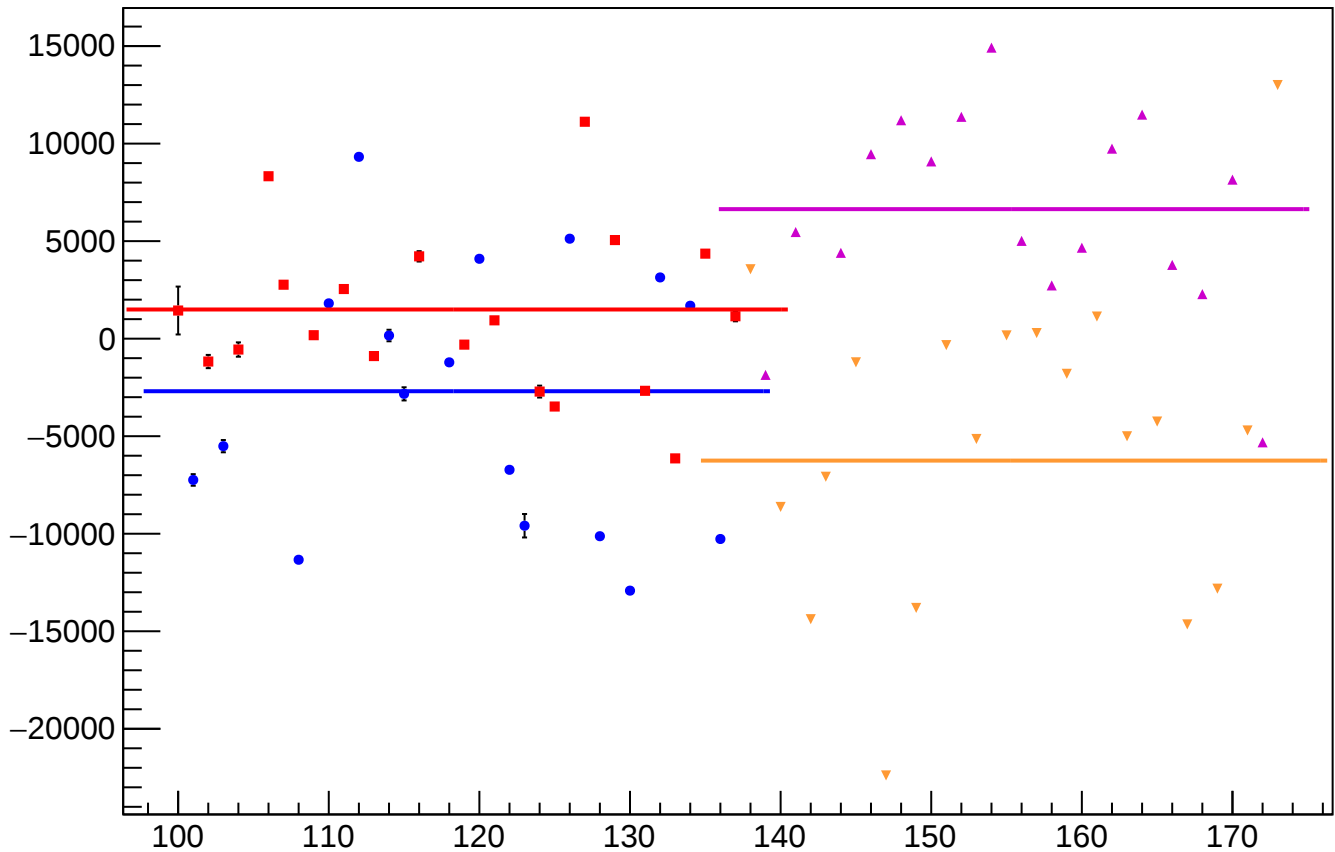
Left In: 138.409+/-0.028 χ^2/NDF :966244.5/16

+ sign 130.612+/-0.021 χ^2/NDF : 2009211.7/35

All: 130.066+/-0.015 χ^2/NDF : 3914928.1/71

- sign 129.513+/-0.021 χ^2/NDF : 1904359.7/35

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 $\chi^2/\text{NDF}: 8717.2/18$

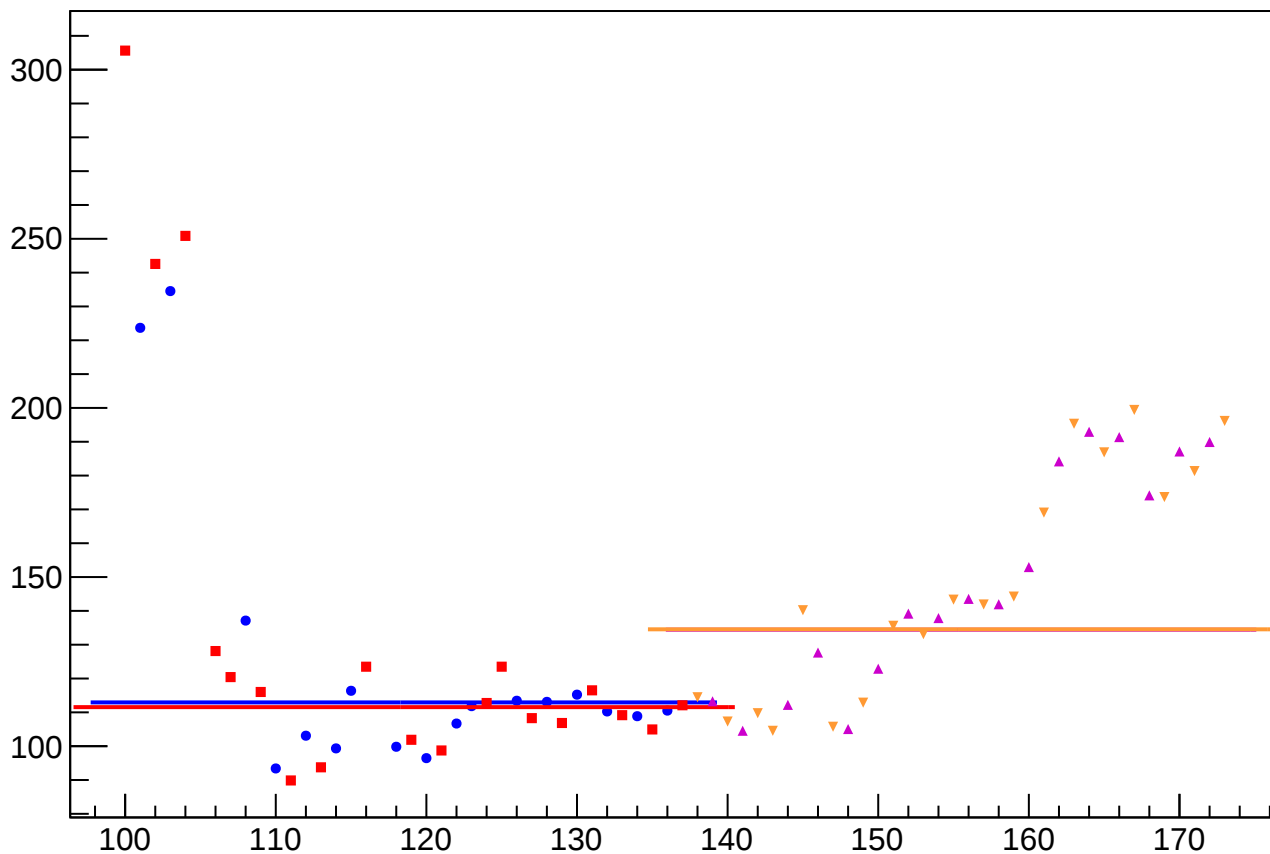
Left In: 6640.344 ± 38.178 $\chi^2/\text{NDF}: 15111.8/16$

+ sign -4870.869 ± 28.870 $\chi^2/\text{NDF}: 73376.3/35$

All: -221.980 ± 20.446 $\chi^2/\text{NDF}: 156937.6/71$

- sign 4456.024 ± 28.960 $\chi^2/\text{NDF}: 31538.7/35$

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 134.548 $\pm$ 0.026 χ^2 /NDF:1270057.2/18

Right Out: 111.544 $\pm$ 0.031 χ^2 /NDF: 765502.6/18

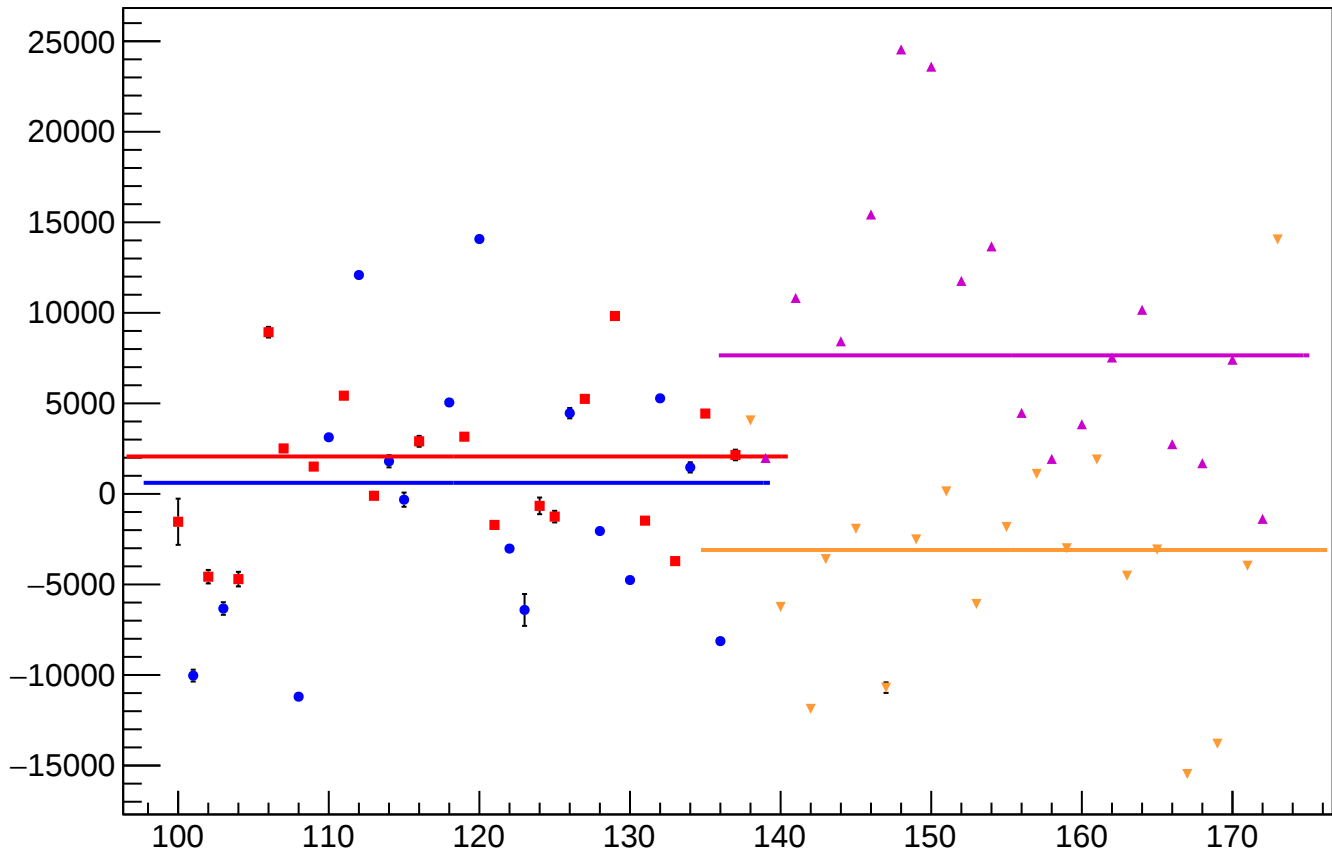
Left In: 134.431 $\pm$ 0.027 χ^2 /NDF:1068225.3/16

+ sign 126.164 $\pm$ 0.020 χ^2 /NDF: 2216385.5/35

All: 125.441 $\pm$ 0.014 χ^2 /NDF: 4357822.0/71

- sign 124.713 $\pm$ 0.020 χ^2 /NDF: 2138918.9/35

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 $\chi^2/\text{NDF}: 4642.7/18$

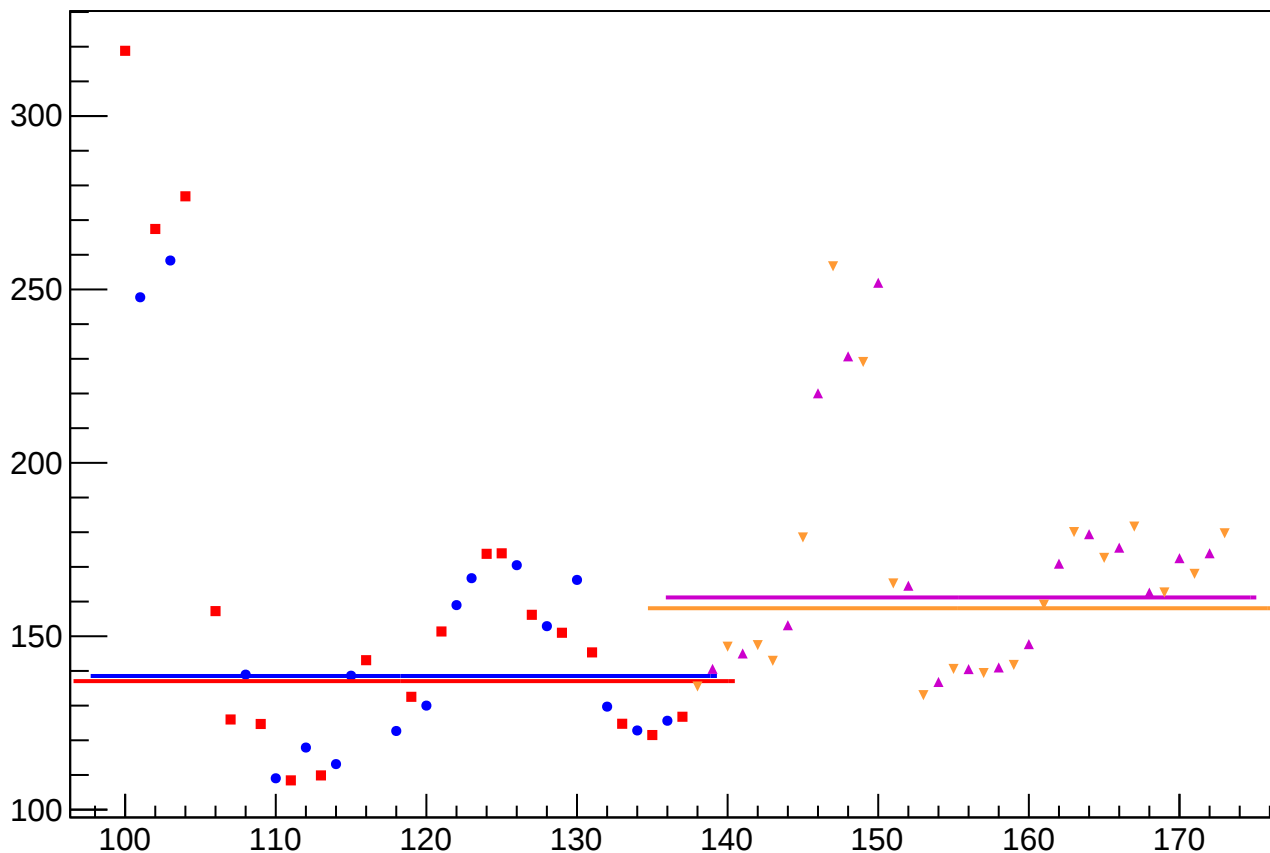
Left In: 7651.277 ± 45.397 $\chi^2/\text{NDF}: 18004.5/16$

+ sign -1731.365 ± 34.010 $\chi^2/\text{NDF}: 41605.5/35$

All: 1727.984 ± 24.299 $\chi^2/\text{NDF}: 91662.8/71$

- sign 5335.551 ± 34.731 $\chi^2/\text{NDF}: 28921.5/35$

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

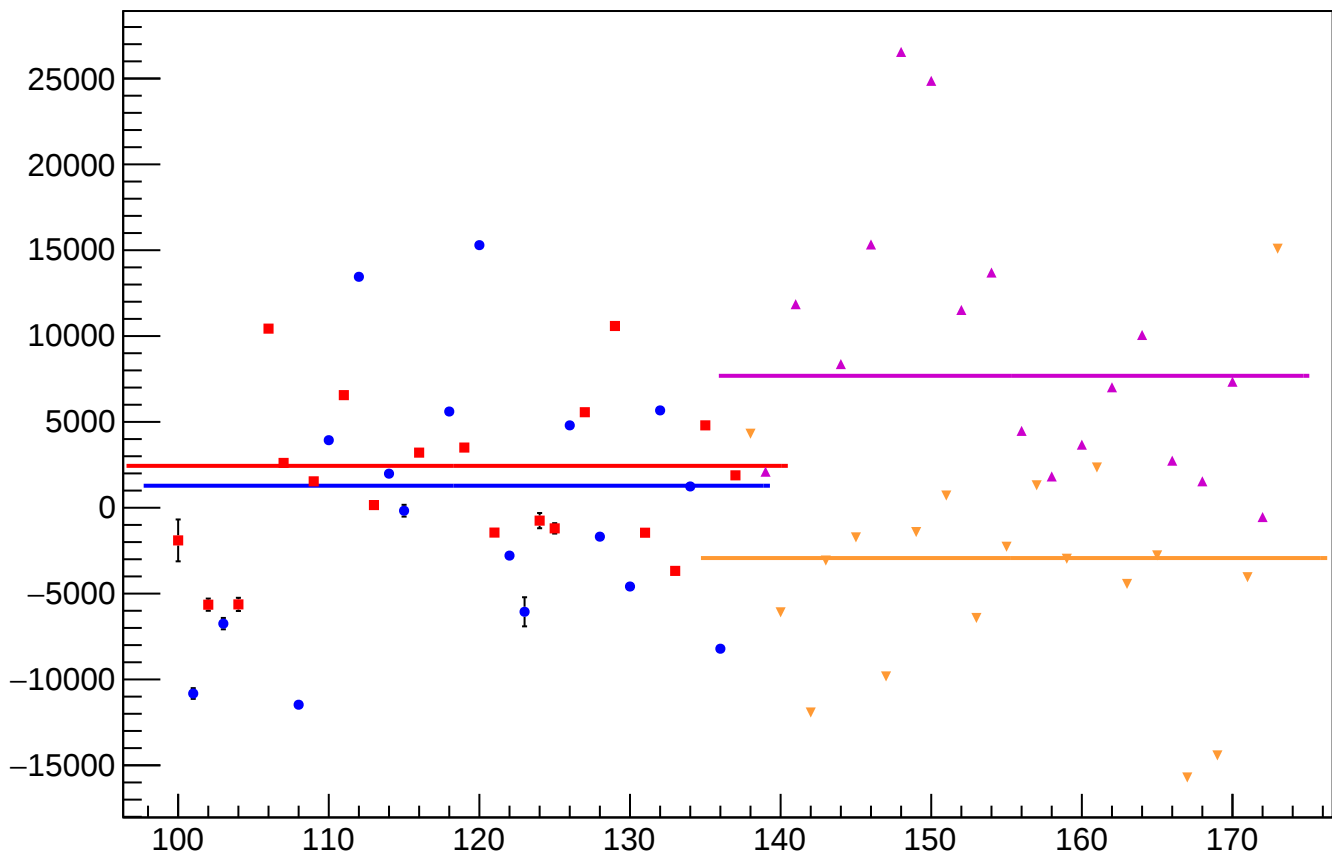
Left In: 161.191 $\pm$ 0.032 χ^2 /NDF: 705847.2/16

+ sign 150.888 $\pm$ 0.024 χ^2 /NDF: 1510565.5/35

All: 151.033 $\pm$ 0.017 χ^2 /NDF: 3206316.6/71

- sign 151.184 $\pm$ 0.025 χ^2 /NDF: 1695677.0/35

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

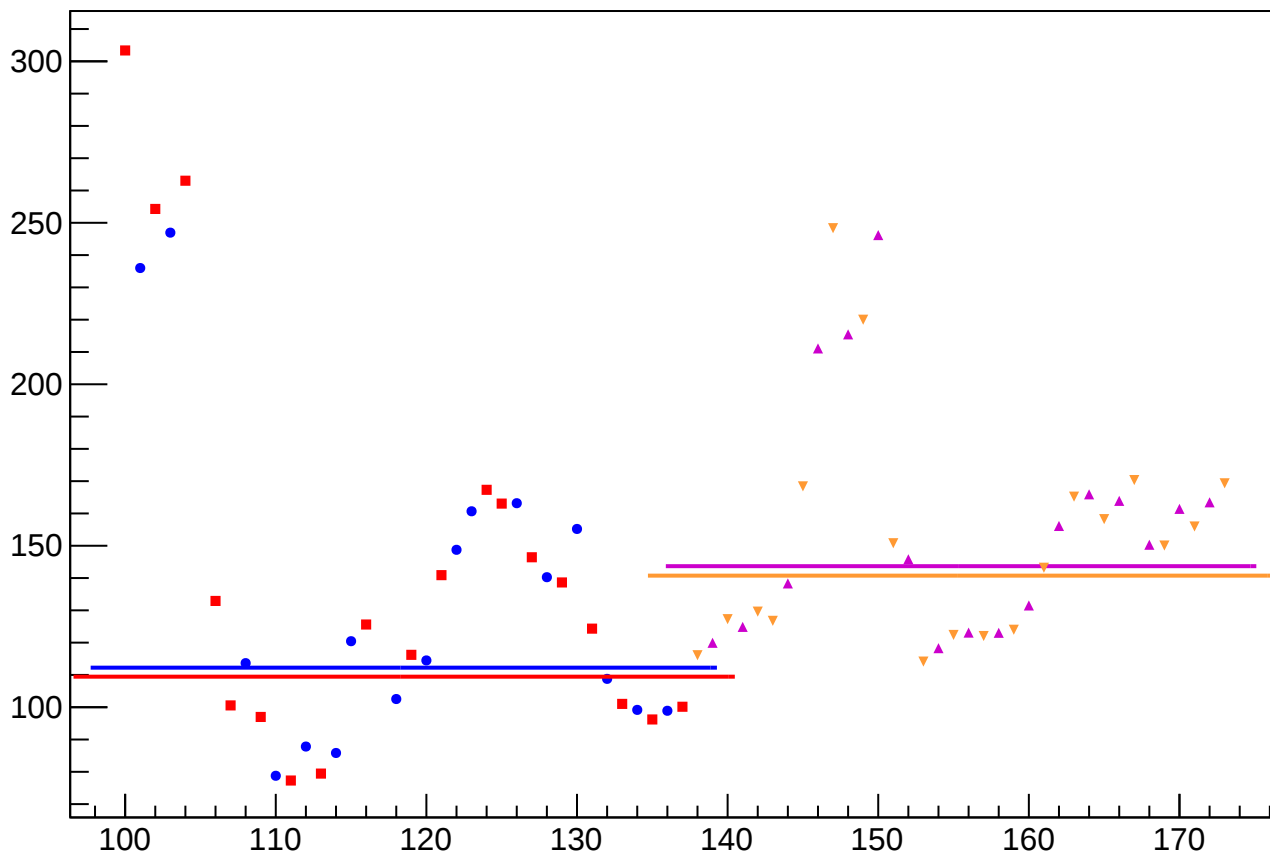
Left In: 7685.138+/-40.823 χ^2/NDF : 22977.8/16

+ sign -1225.735+/-29.619 χ^2/NDF : 61961.7/35

All: 1981.701+/-21.083 χ^2/NDF : 123970.5/71

- sign 5275.752+/-30.016 χ^2/NDF : 38238.2/35

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

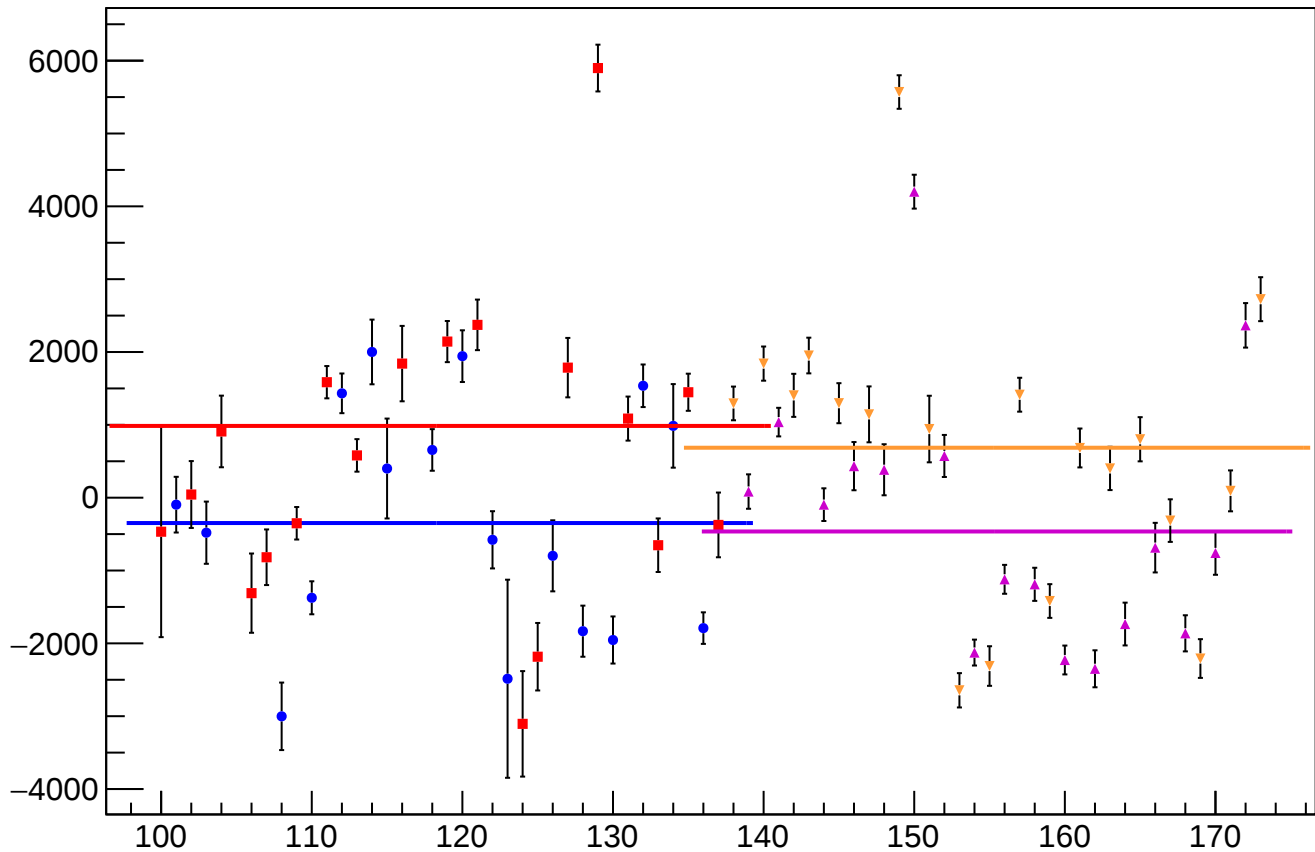
Left In: 143.676+/-0.029 χ^2/NDF : 992176.3/16

+ sign 129.220+/-0.021 χ^2/NDF : 2564632.3/35

All: 128.598+/-0.015 χ^2/NDF : 5473666.9/71

- sign 127.958+/-0.021 χ^2/NDF : 2907243.2/35

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

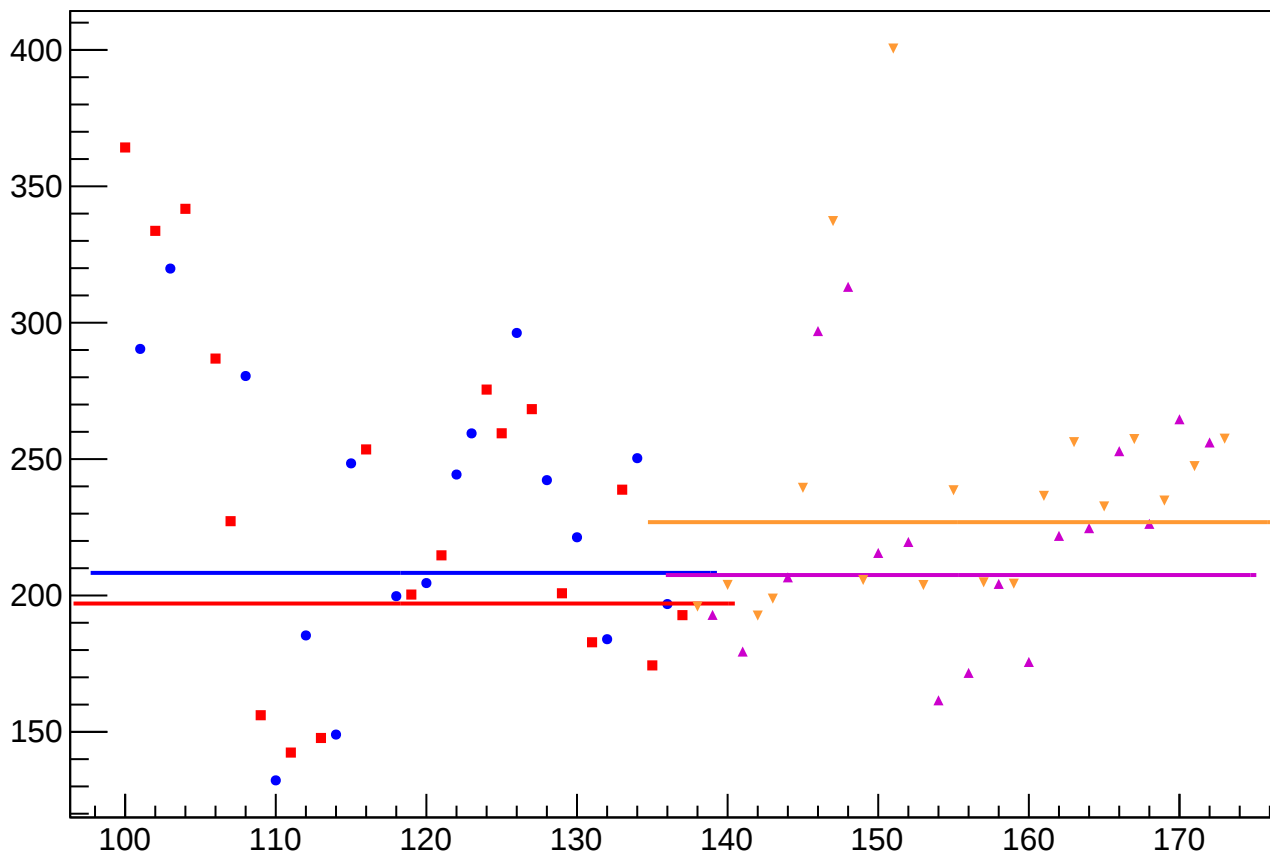
Left In: -463.993 ± 59.011 χ^2/NDF : 875.7/16

+ sign 322.901 ± 49.669 χ^2/NDF : 1531.3/35

All: 187.491 ± 34.135 χ^2/NDF : 3118.4/71

- sign 66.290 ± 46.991 χ^2/NDF : 1573.0/35

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

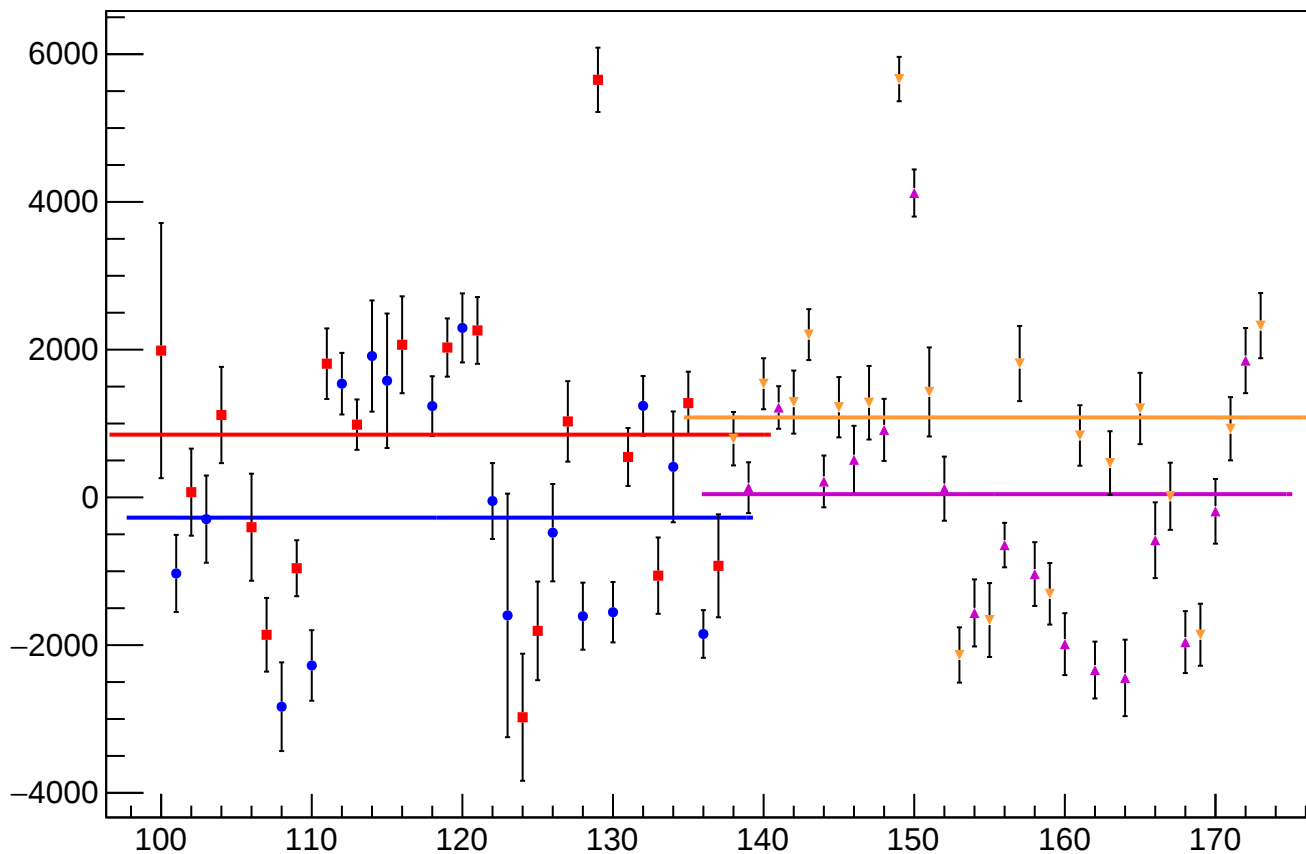
Left In: 207.499 $\pm$ 0.042 χ^2 /NDF: 816583.1/16

+ sign 220.356 $\pm$ 0.035 χ^2 /NDF: 1483070.4/35

All: 211.554 $\pm$ 0.024 χ^2 /NDF: 3368403.2/71

- sign 203.676 $\pm$ 0.033 χ^2 /NDF: 1766311.4/35

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

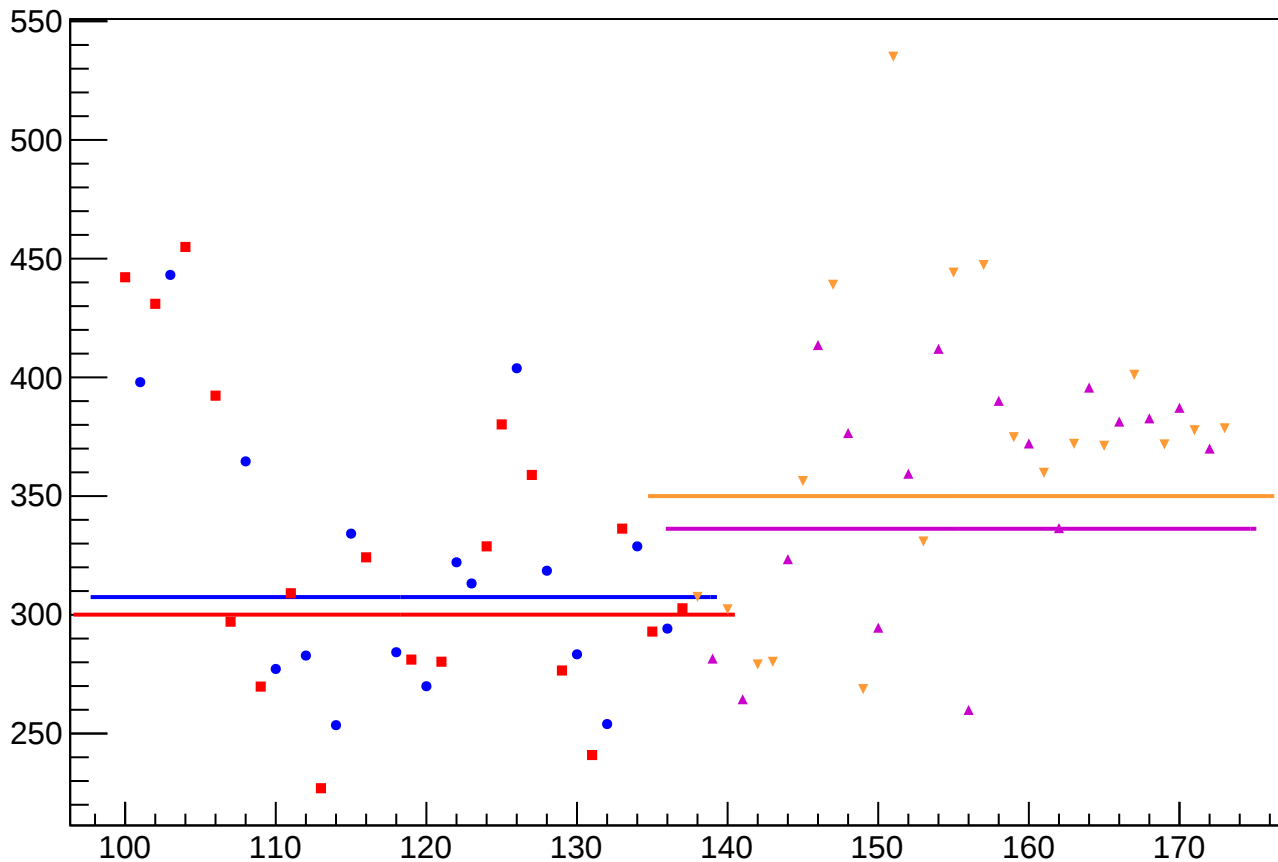
Left In: 43.733 ± 94.755 χ^2/NDF : 335.8/16

+ sign 568.447 ± 74.691 χ^2/NDF : 699.5/35

All: 466.409 ± 52.286 χ^2/NDF : 1331.4/71

- sign 368.356 ± 73.219 χ^2/NDF : 628.2/35

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

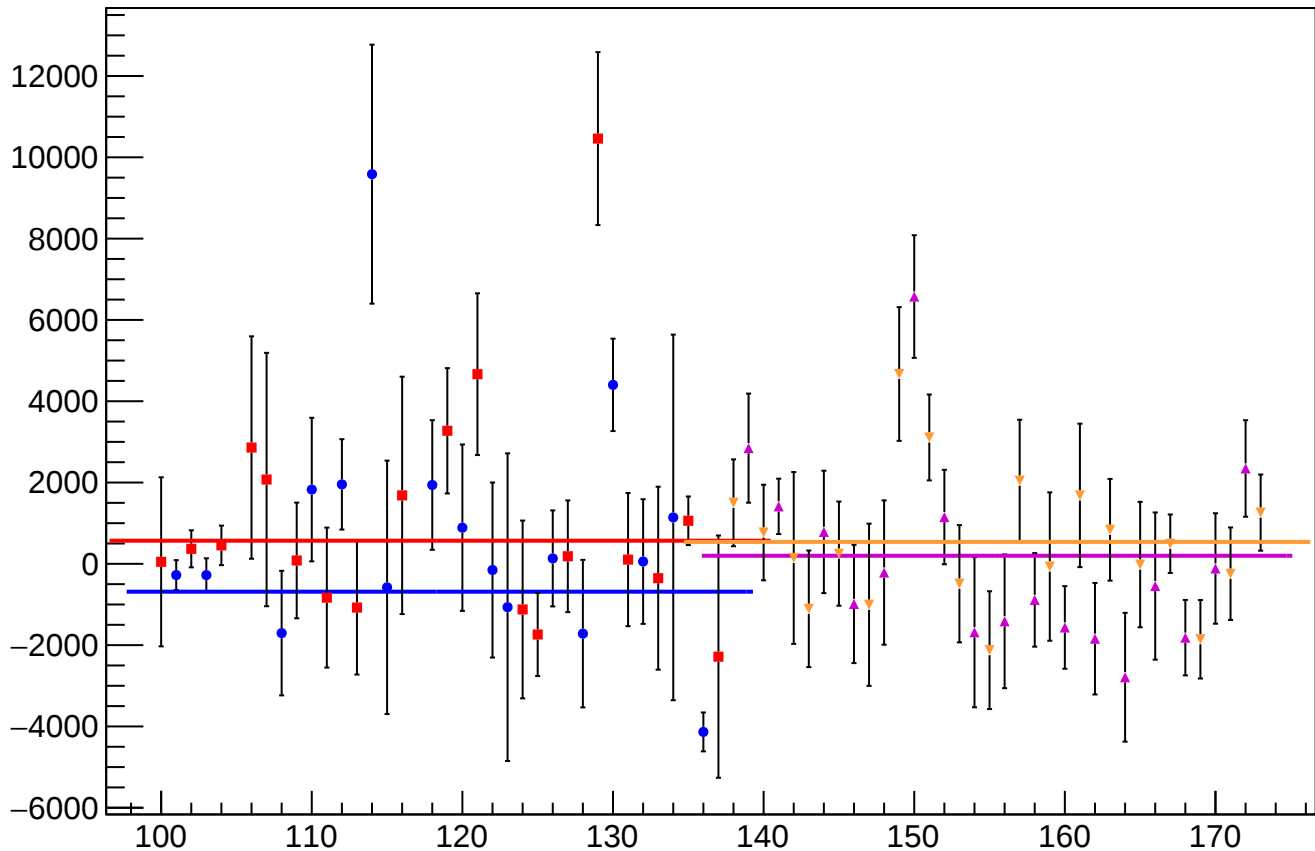
Left In: 336.235 $\pm$ 0.067 χ^2 /NDF: 627126.6/16

+ sign 333.879 $\pm$ 0.053 χ^2 /NDF: 1291907.8/35

All: 327.650 $\pm$ 0.037 χ^2 /NDF: 2554106.9/71

- sign 321.663 $\pm$ 0.052 χ^2 /NDF: 1234917.0/35

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

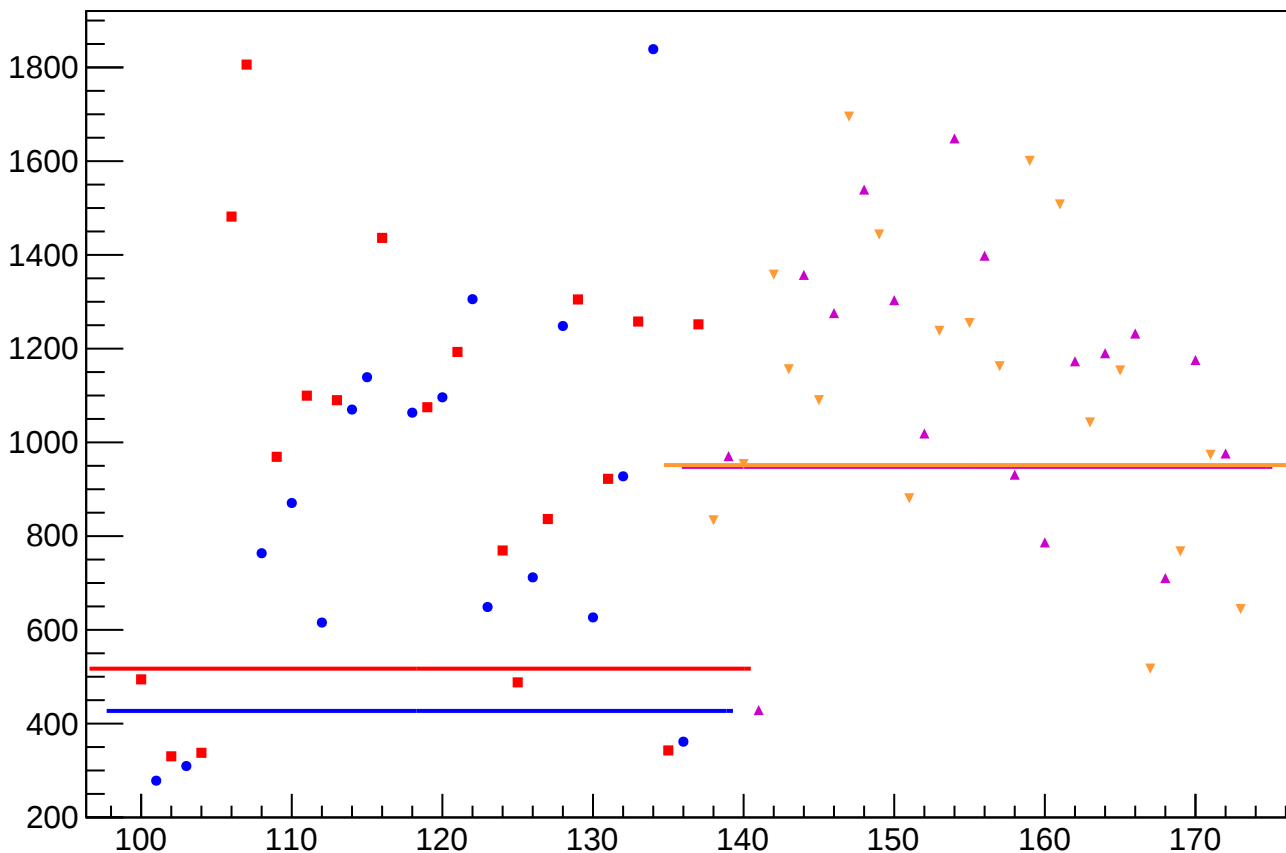
Left In: 198.725+/-299.307 χ^2/NDF : 46.4/16

+ sign -250.365+/-168.928 χ^2/NDF : 137.3/35

All: 48.414+/-125.883 χ^2/NDF : 231.4/71

- sign 421.504+/-188.771 χ^2/NDF : 87.0/35

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

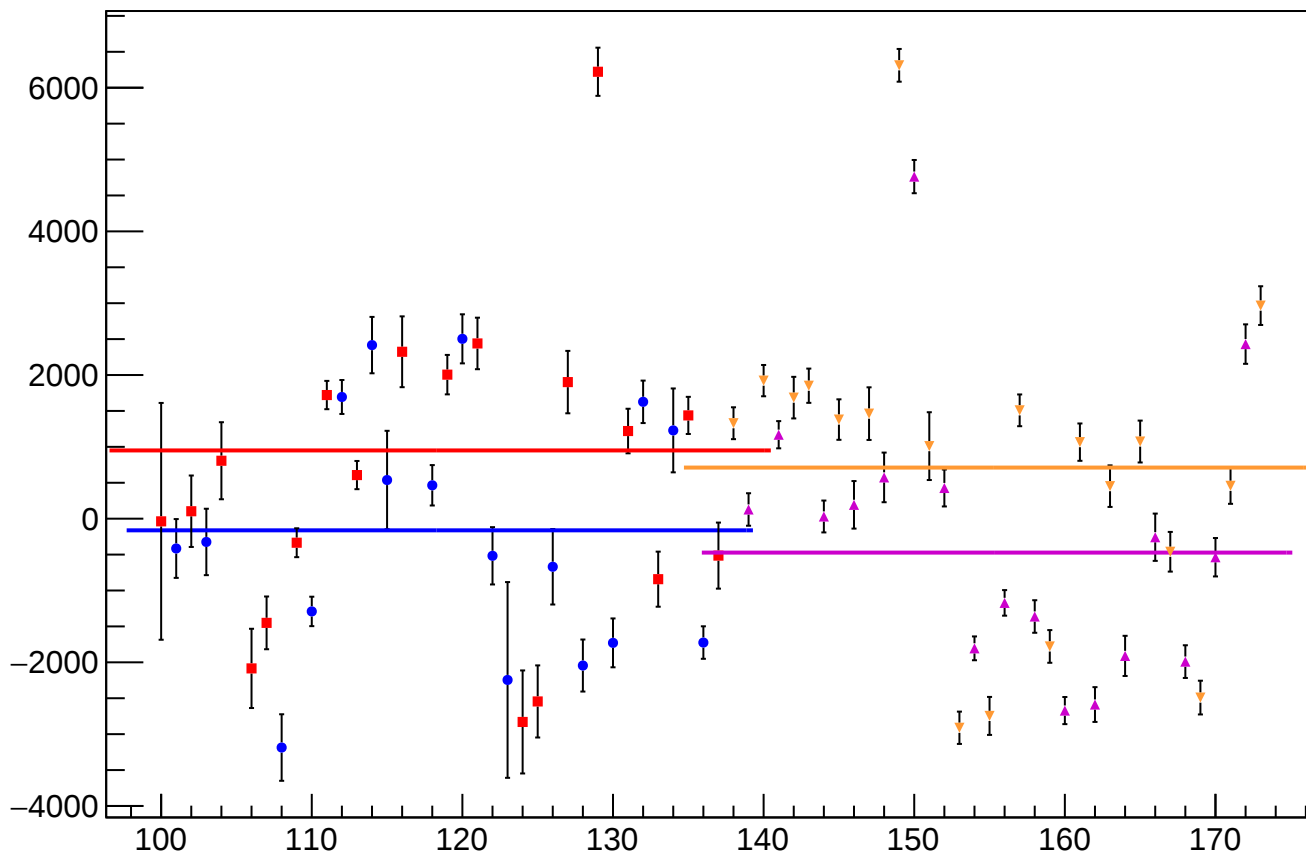
Left In: 947.718+/-0.212 χ^2/NDF : 2581079.6/16

+ sign 613.281+/-0.119 χ^2/NDF : 9628940.8/35

All: 646.717+/-0.089 χ^2/NDF : 18482867.3/73

- sign 688.469+/-0.133 χ^2/NDF : 8677733.8/35

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

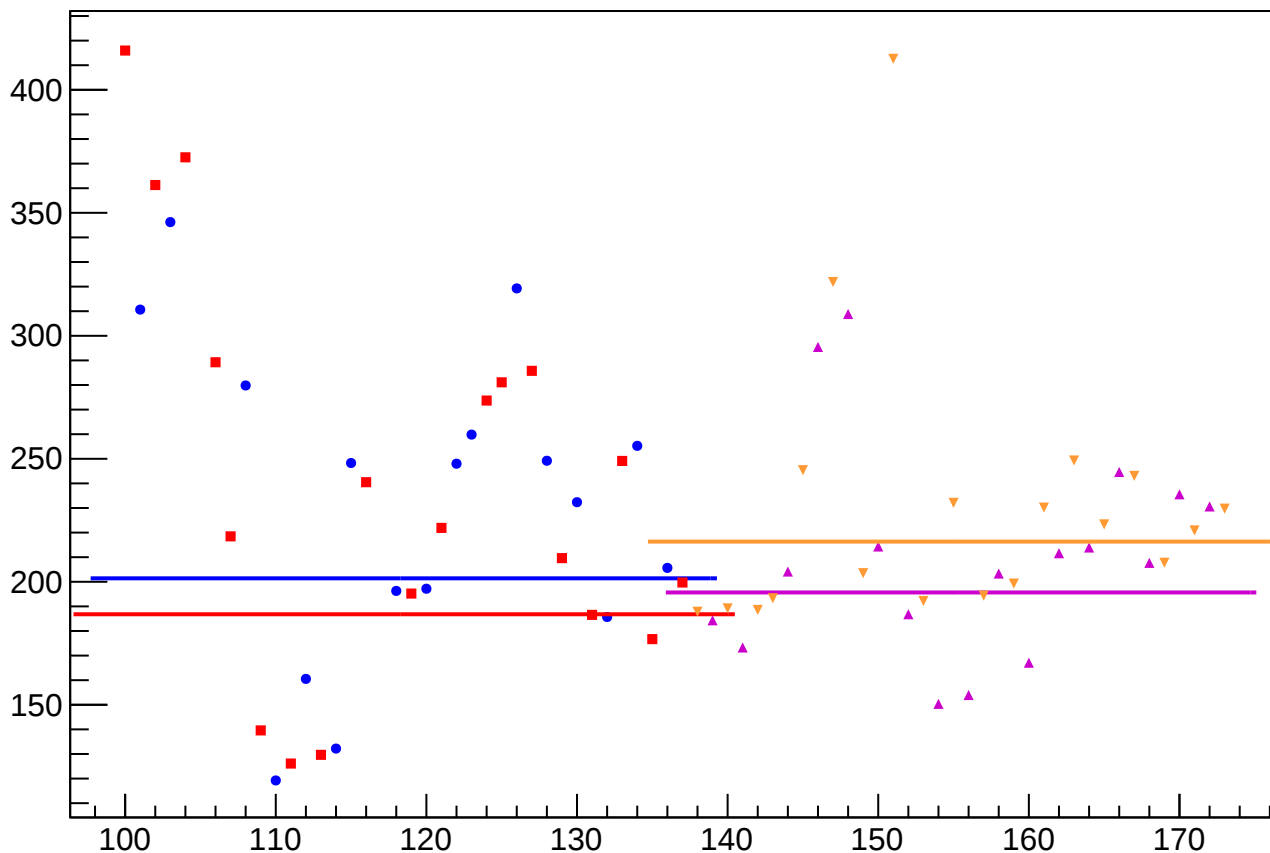
Left In: -472.336 ± 55.894 χ^2/NDF : 1114.9/16

+ sign 415.516 ± 47.927 χ^2/NDF : 1990.6/35

All: 212.328 ± 32.746 χ^2/NDF : 3909.7/71

- sign 34.428 ± 44.846 χ^2/NDF : 1885.4/35

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

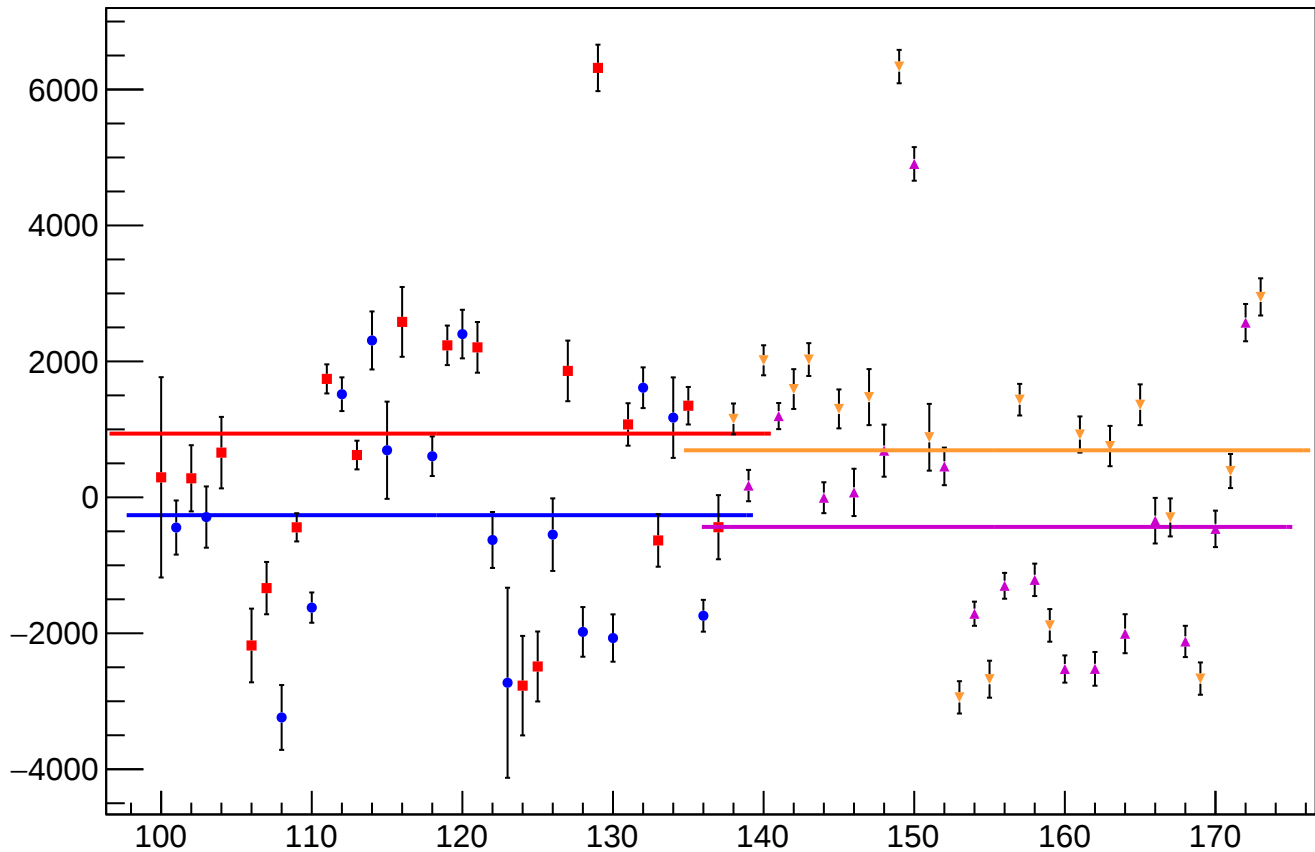
Left In: 195.664 $\pm$ 0.040 χ^2 /NDF: 898723.8/16

+ sign 211.279 $\pm$ 0.034 χ^2 /NDF: 1860965.1/35

All: 201.269 $\pm$ 0.023 χ^2 /NDF: 4334409.4/71

- sign 192.505 $\pm$ 0.032 χ^2 /NDF: 2309816.9/35

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

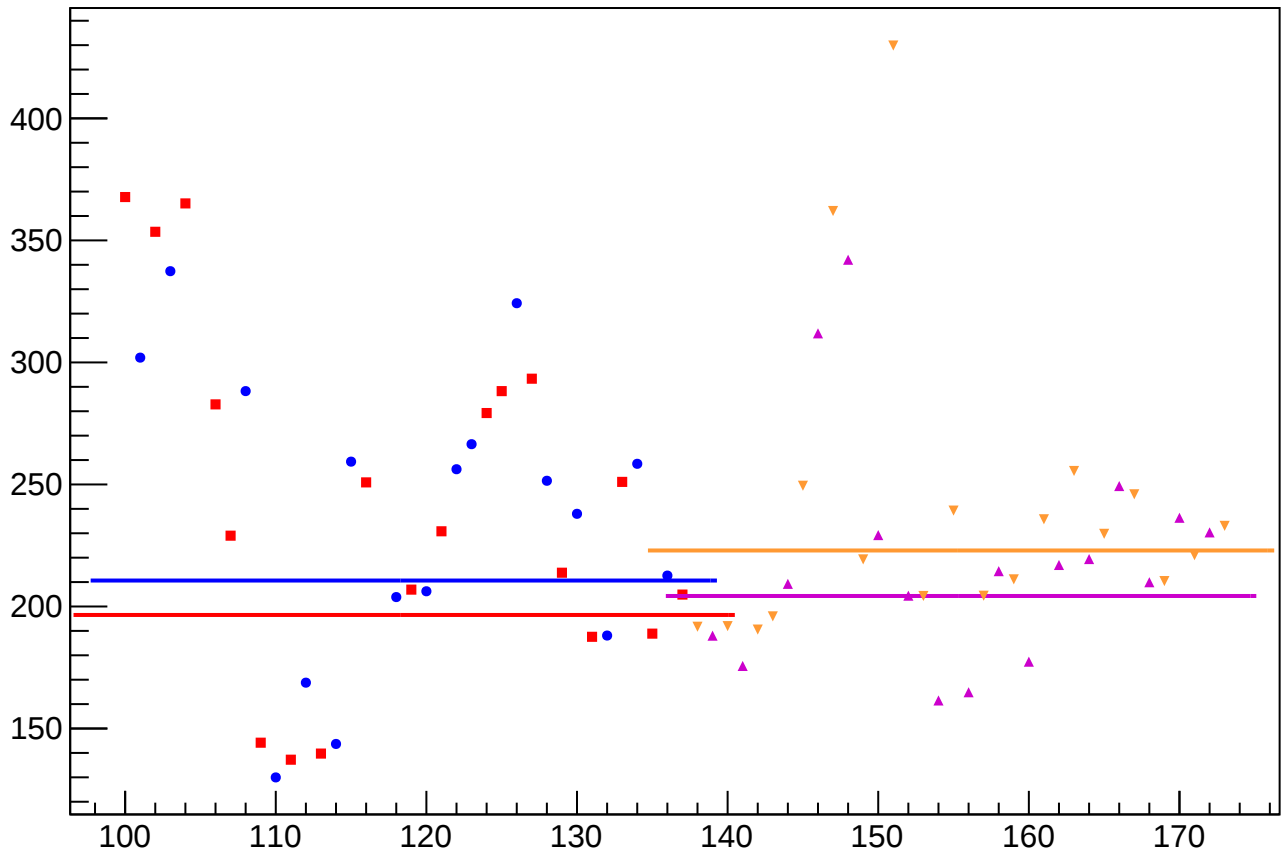
Left In: -435.051 ± 58.237 χ^2/NDF : 1035.9/16

+ sign 371.585 ± 49.509 χ^2/NDF : 1867.6/35

All: 203.081 ± 33.994 χ^2/NDF : 3644.8/71

- sign 52.788 ± 46.757 χ^2/NDF : 1755.3/35

asym_bpm0l05WS_rms vs Slug



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 222.949+/-0.043 χ^2/NDF : 815737.2/18

Right Out: 196.528+/-0.055 χ^2/NDF : 1205091.0/18

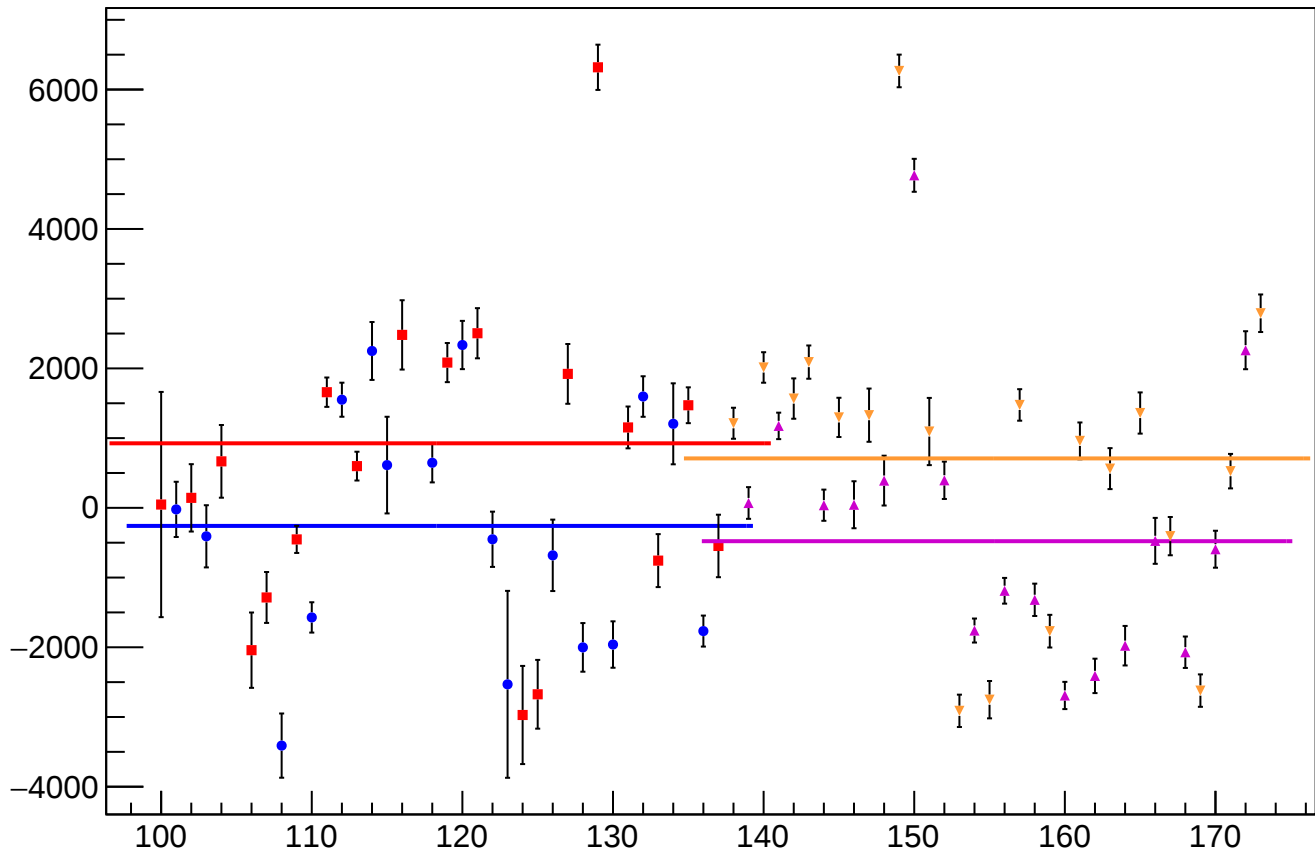
Left In: 204.306+/-0.041 χ^2/NDF : 862069.3/16

+ sign 218.814+/-0.035 χ^2/NDF : 1719107.5/35

All: 209.685+/-0.024 χ^2/NDF : 3927607.9/71

- sign 201.542+/-0.033 χ^2/NDF : 2079836.6/35

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

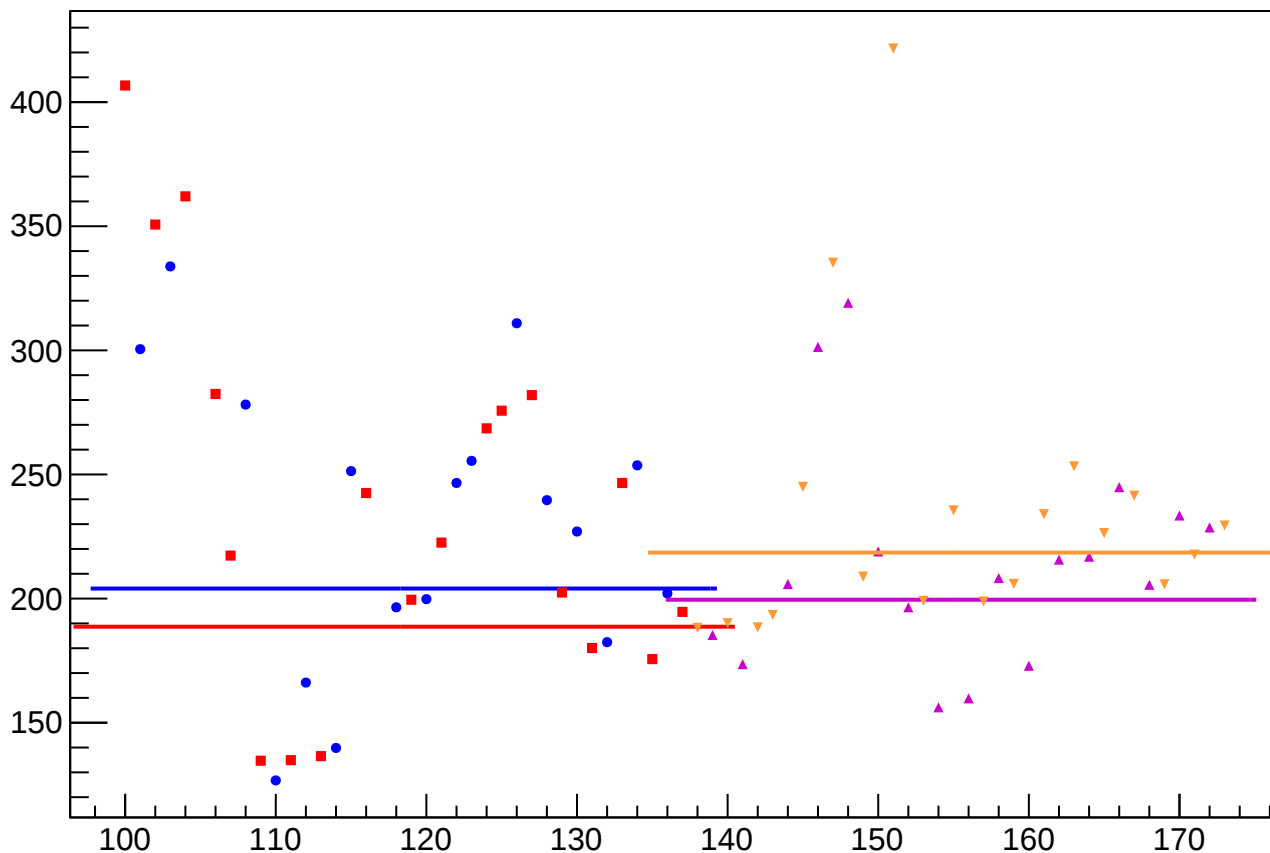
Left In: -478.304 ± 56.889 χ^2/NDF : 1051.2/16

+ sign 379.074 ± 48.335 χ^2/NDF : 1957.6/35

All: 193.787 ± 33.106 χ^2/NDF : 3838.9/71

- sign 30.064 ± 45.436 χ^2/NDF : 1853.6/35

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

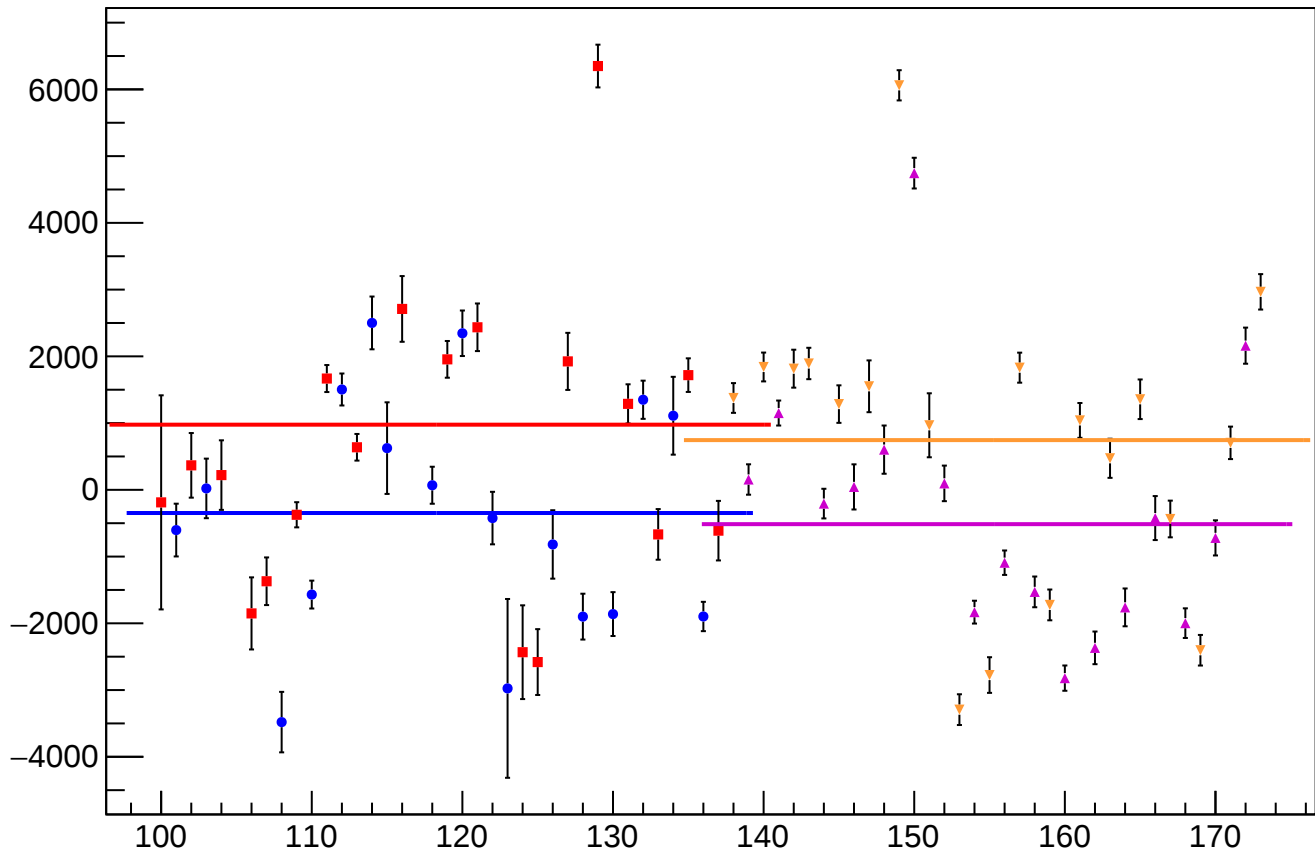
Left In: 199.540+/-0.040 χ^2/NDF : 837867.4/16

+ sign 213.609+/-0.034 χ^2/NDF : 1689495.0/35

All: 204.052+/-0.023 χ^2/NDF : 3952141.9/71

- sign 195.607+/-0.032 χ^2/NDF : 2115365.1/35

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

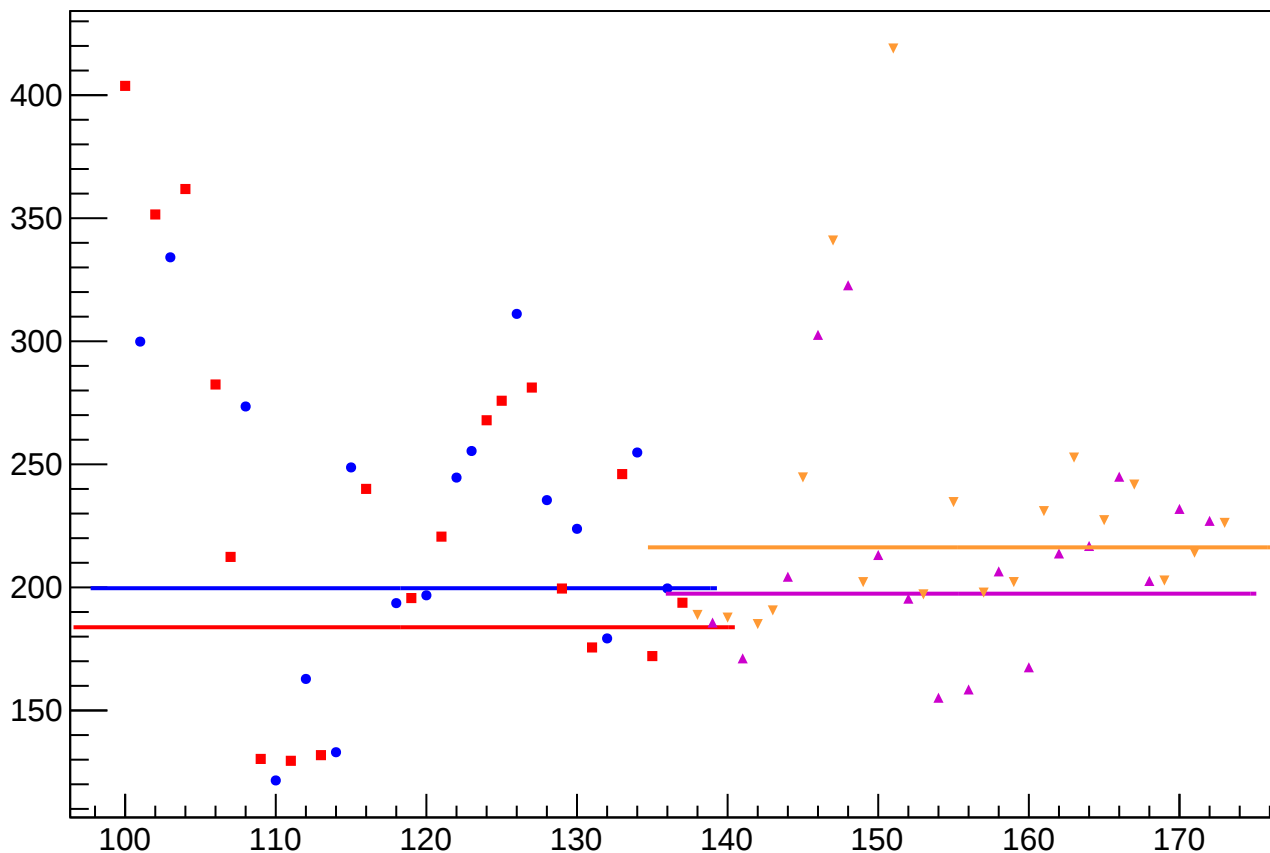
Left In: -514.240 $\pm$ 56.345 χ^2 /NDF:1086.7/16

+ sign 368.587 $\pm$ 47.738 χ^2 /NDF: 2050.5/35

All: 190.598 $\pm$ 32.669 χ^2 /NDF: 4006.4/71

- sign 33.813 $\pm$ 44.804 χ^2 /NDF: 1929.7/35

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

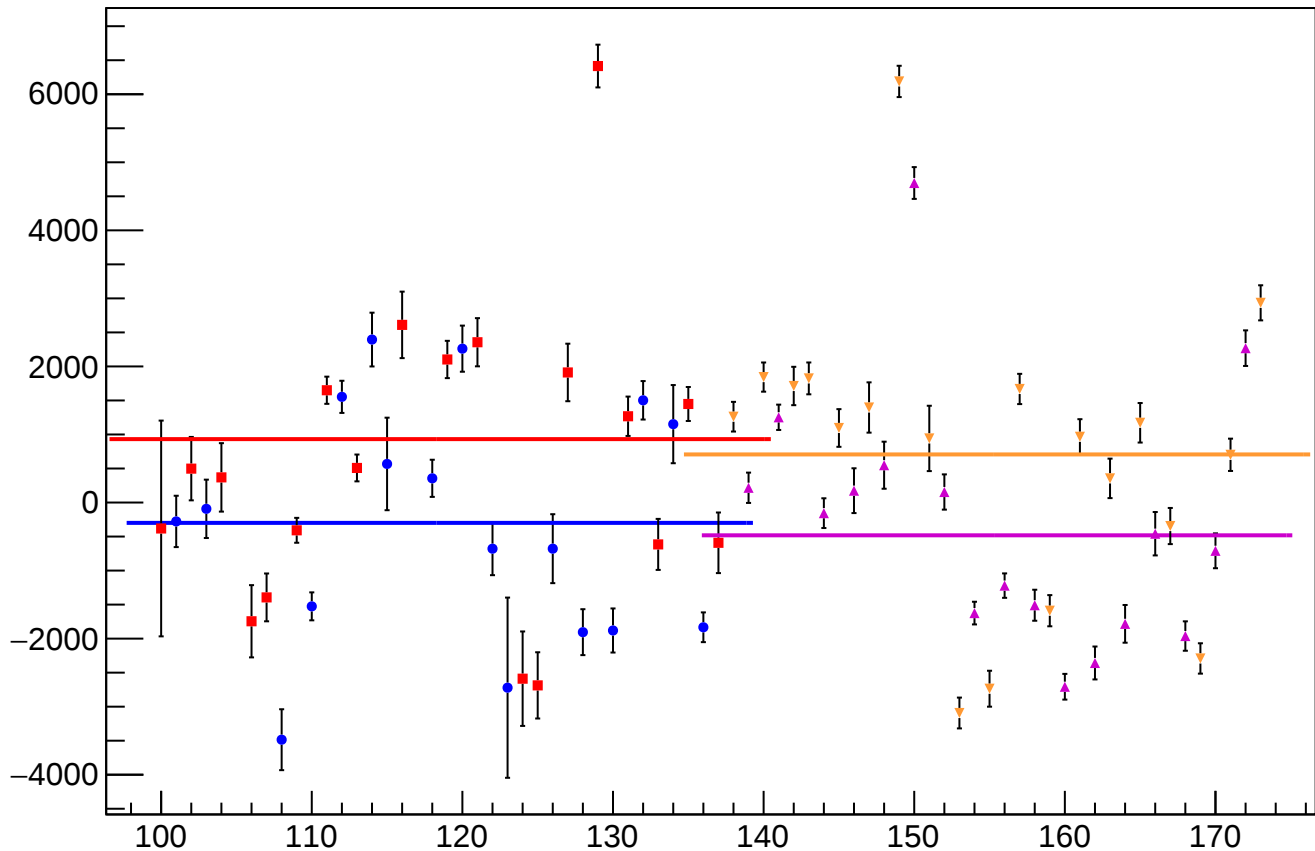
Left In: 197.451 $\pm$ 0.040 χ^2 /NDF: 874598.7/16

+ sign 210.551 $\pm$ 0.034 χ^2 /NDF: 1814222.9/35

All: 200.919 $\pm$ 0.023 χ^2 /NDF: 4234688.2/71

- sign 192.435 $\pm$ 0.032 χ^2 /NDF: 2267337.3/35

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

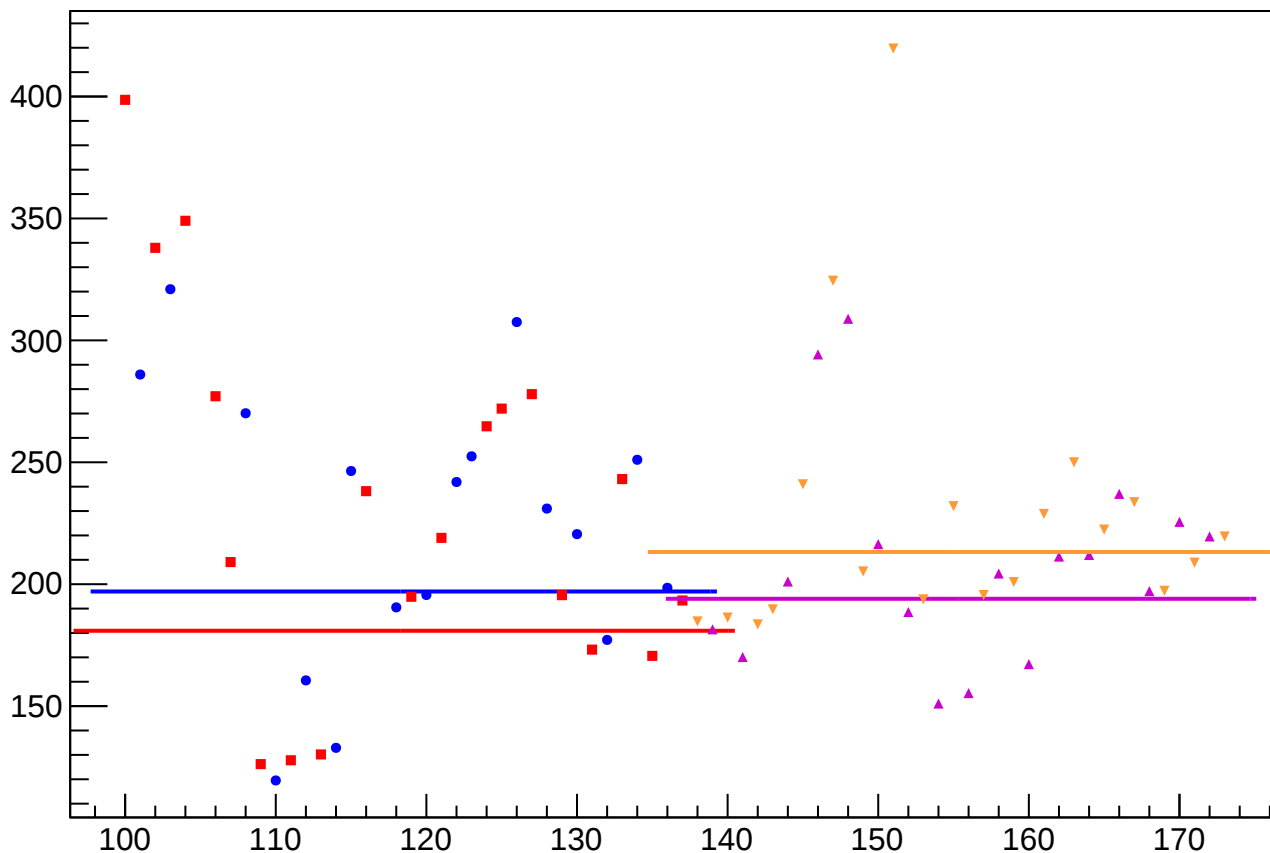
Left In: -481.786 ± 55.359 χ^2/NDF : 1072.4/16

+ sign 360.321 ± 47.051 χ^2/NDF : 2000.2/35

All: 187.820 ± 32.159 χ^2/NDF : 3951.7/71

- sign 36.590 ± 44.055 χ^2/NDF : 1926.3/35

asym_bpm0l08WS_rms vs Slug



Right In: 197.013 $\pm$ 0.057 χ^2 /NDF: 911923.5/16

Left Out: 213.217 $\pm$ 0.041 χ^2 /NDF: 790261.4/18

Right Out: 180.906 $\pm$ 0.051 χ^2 /NDF: 1345685.7/18

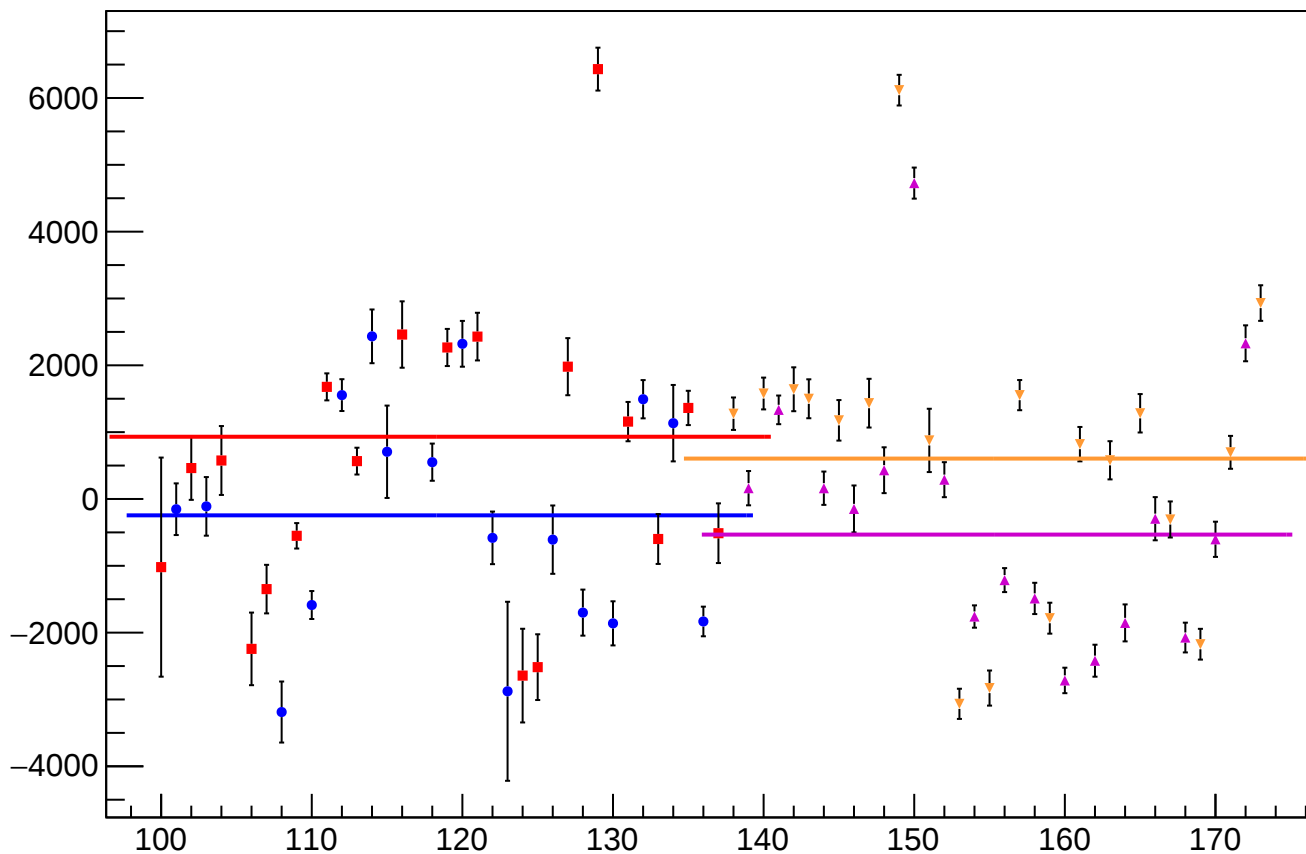
Left In: 194.020 $\pm$ 0.039 χ^2 /NDF: 841680.7/16

+ sign 207.635 $\pm$ 0.033 χ^2 /NDF: 1755753.2/35

All: 197.818 $\pm$ 0.023 χ^2 /NDF: 4147678.9/71

- sign 189.211 $\pm$ 0.031 χ^2 /NDF: 2228521.8/35

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 604.480 ± 60.564 χ^2/NDF : 1429.6/18

Right Out: 931.272 ± 74.206 χ^2/NDF : 609.7/18

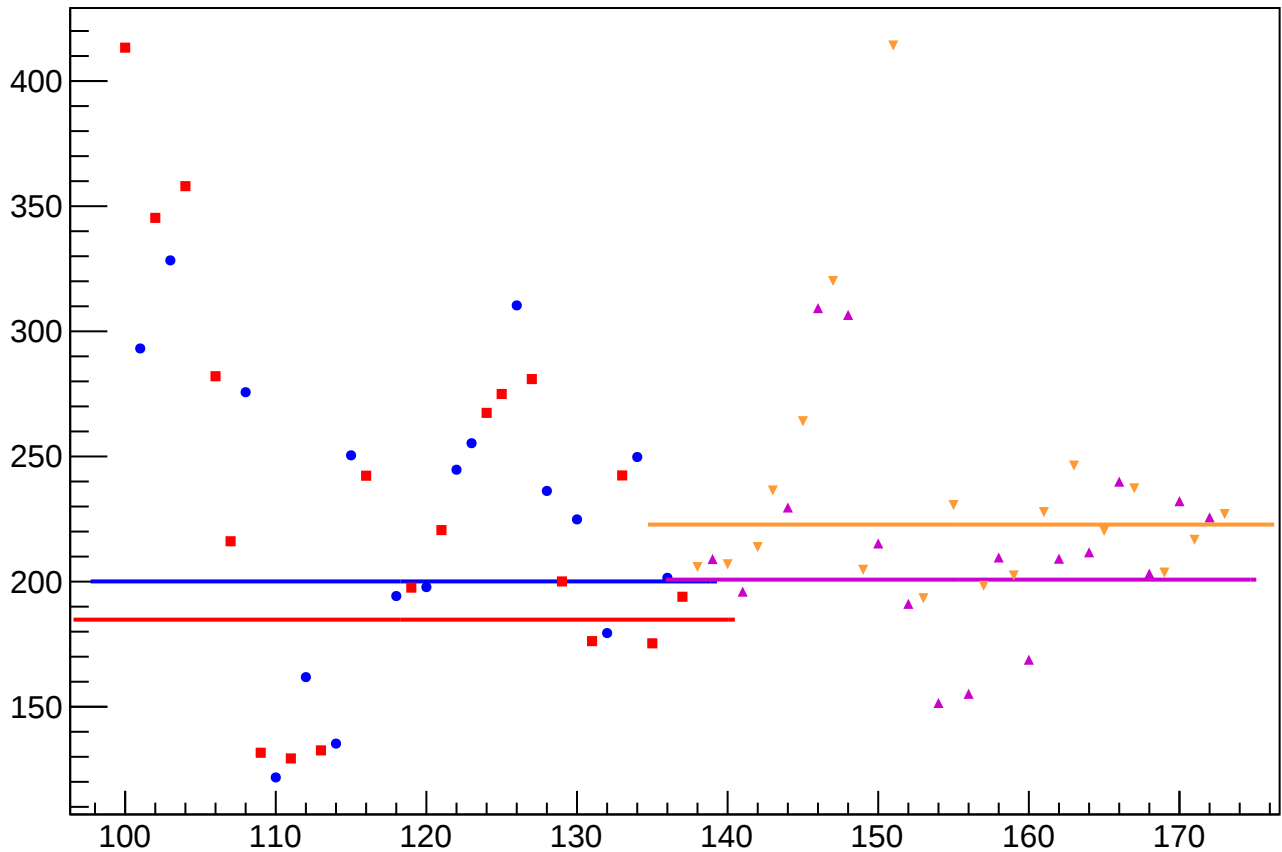
Left In: -532.945 ± 57.361 χ^2/NDF : 1084.7/16

+ sign 301.791 ± 48.589 χ^2/NDF : 1891.1/35

All: 148.470 ± 33.166 χ^2/NDF : 3847.9/71

- sign 14.717 ± 45.383 χ^2/NDF : 1938.2/35

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

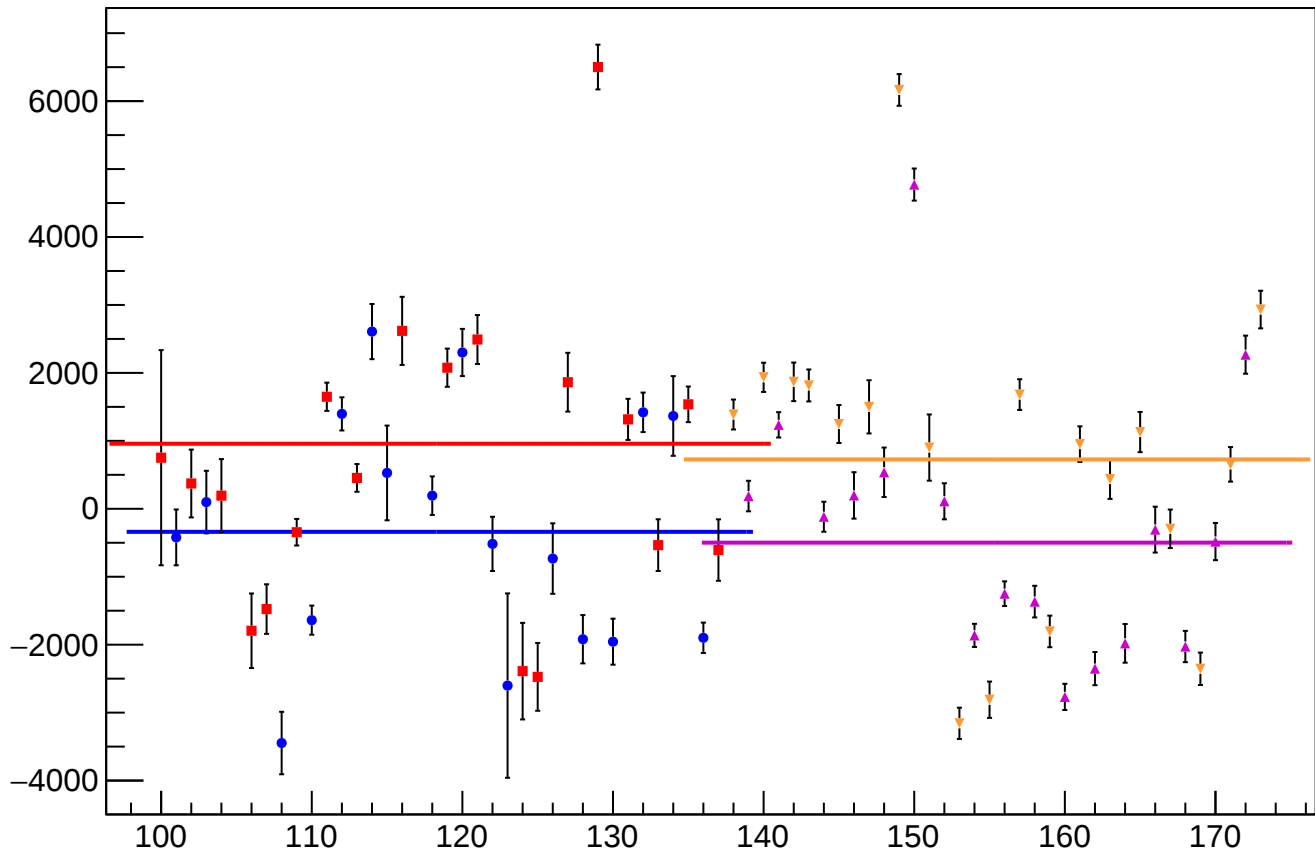
Left In: 200.792+/-0.041 χ^2/NDF : 864697.8/16

+ sign 214.707+/-0.034 χ^2/NDF : 1672354.2/35

All: 204.082+/-0.023 χ^2/NDF : 4092469.6/71

- sign 194.813+/-0.032 χ^2/NDF : 2241054.0/35

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

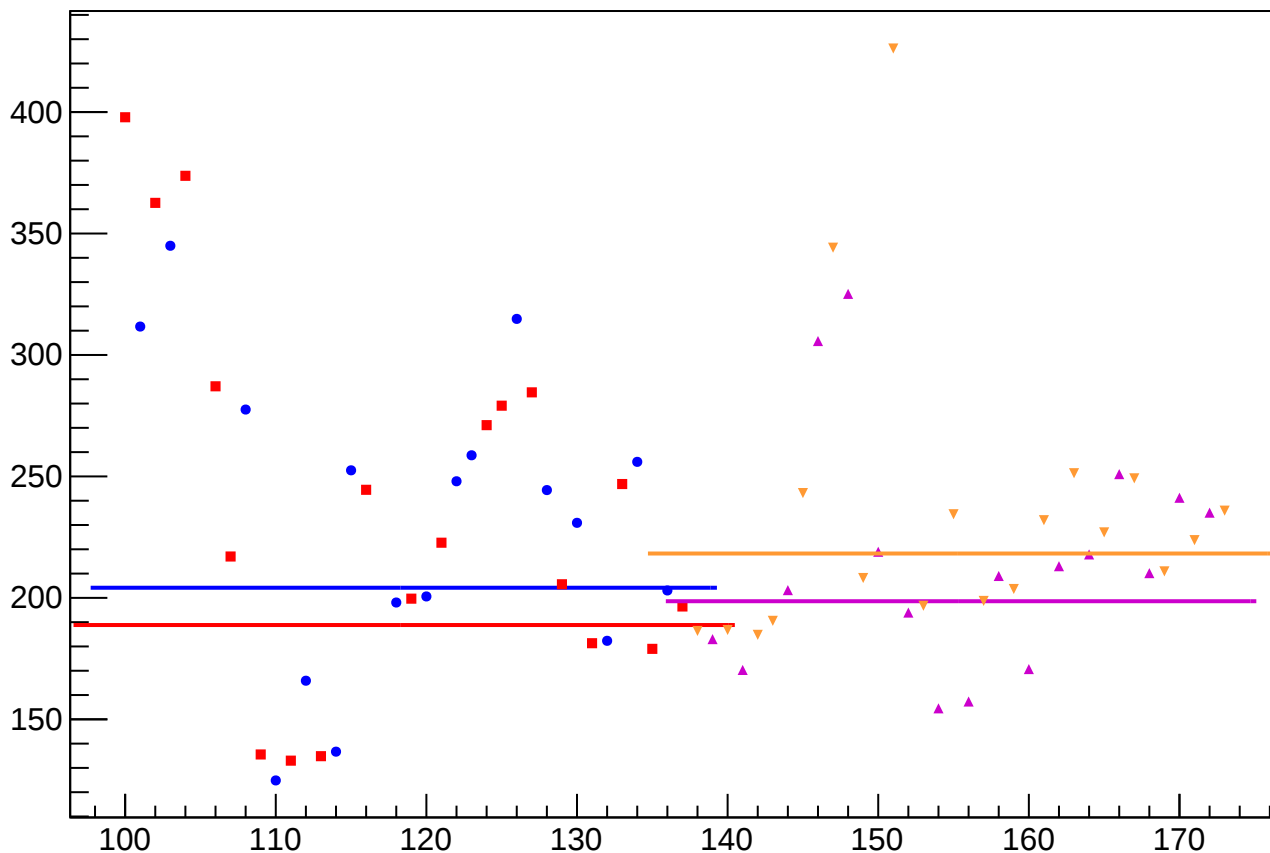
Left In: -498.038 ± 56.775 χ^2/NDF : 1074.2/16

+ sign 365.045 ± 48.412 χ^2/NDF : 1971.2/35

All: 184.535 ± 33.128 χ^2/NDF : 3878.3/71

- sign 25.571 ± 45.431 χ^2/NDF : 1880.9/35

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 $\pm$ 0.059 χ^2 /NDF: 947438.5/16

Left Out: 218.263 $\pm$ 0.042 χ^2 /NDF:845881.1/18

Right Out: 188.821 $\pm$ 0.054 χ^2 /NDF: 1314891.2/18

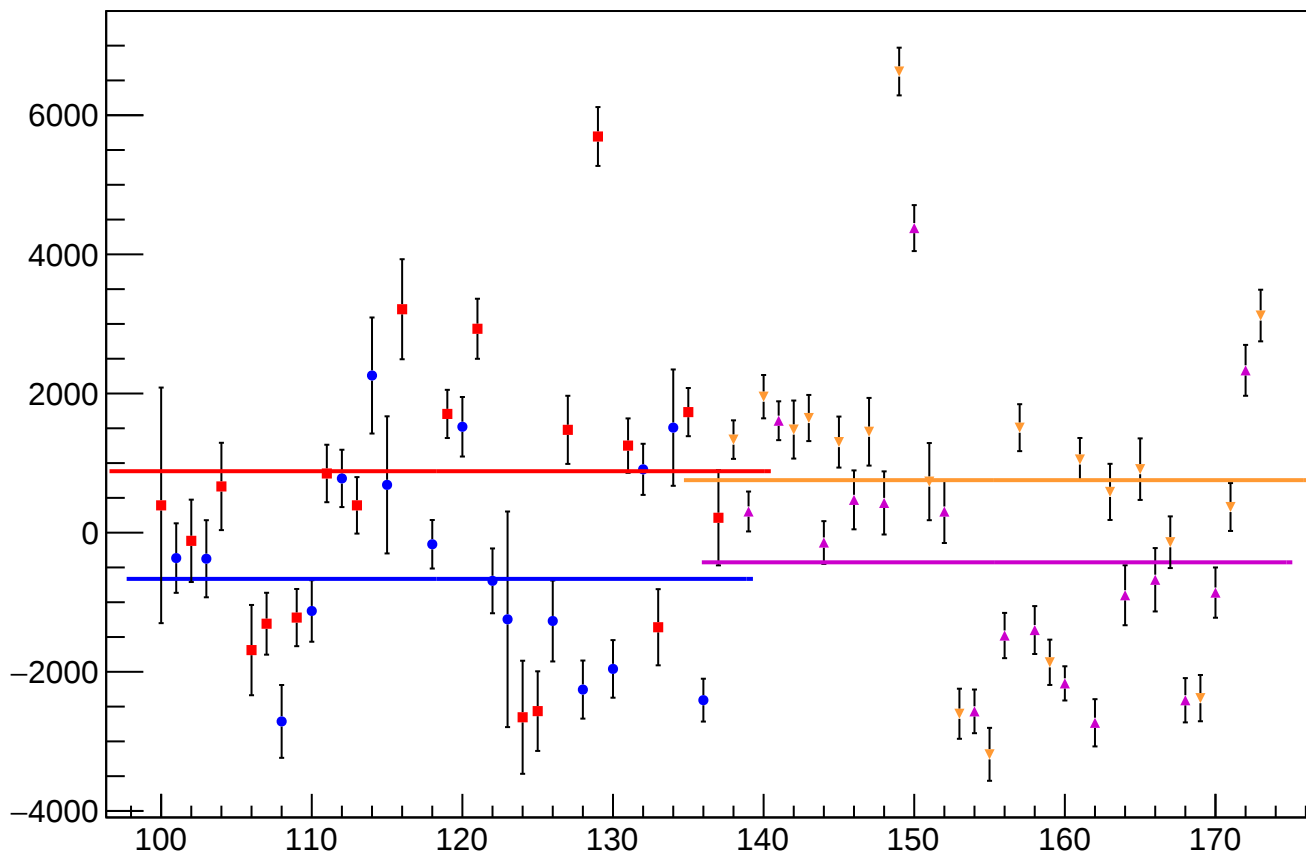
Left In: 198.622 $\pm$ 0.040 χ^2 /NDF:944501.6/16

+ sign 213.484 $\pm$ 0.034 χ^2 /NDF: 1831282.9/35

All: 203.707 $\pm$ 0.023 χ^2 /NDF: 4265536.8/71

- sign 195.097 $\pm$ 0.032 χ^2 /NDF: 2280831.9/35

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

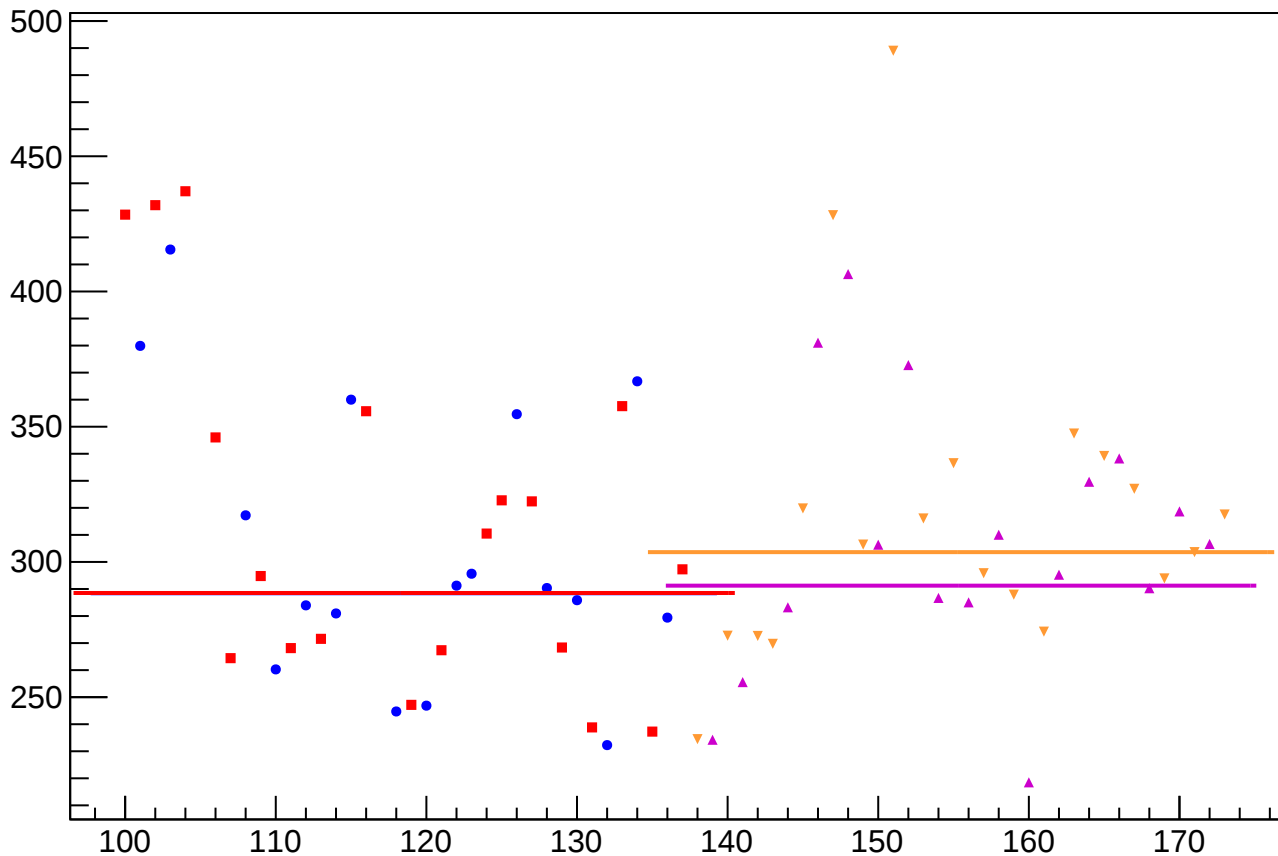
Left In: -426.273 ± 82.050 χ^2/NDF : 542.4/16

+ sign 269.343 ± 66.638 χ^2/NDF : 985.2/35

All: 152.027 ± 46.876 χ^2/NDF : 1943.9/71

- sign 37.105 ± 65.954 χ^2/NDF : 952.6/35

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

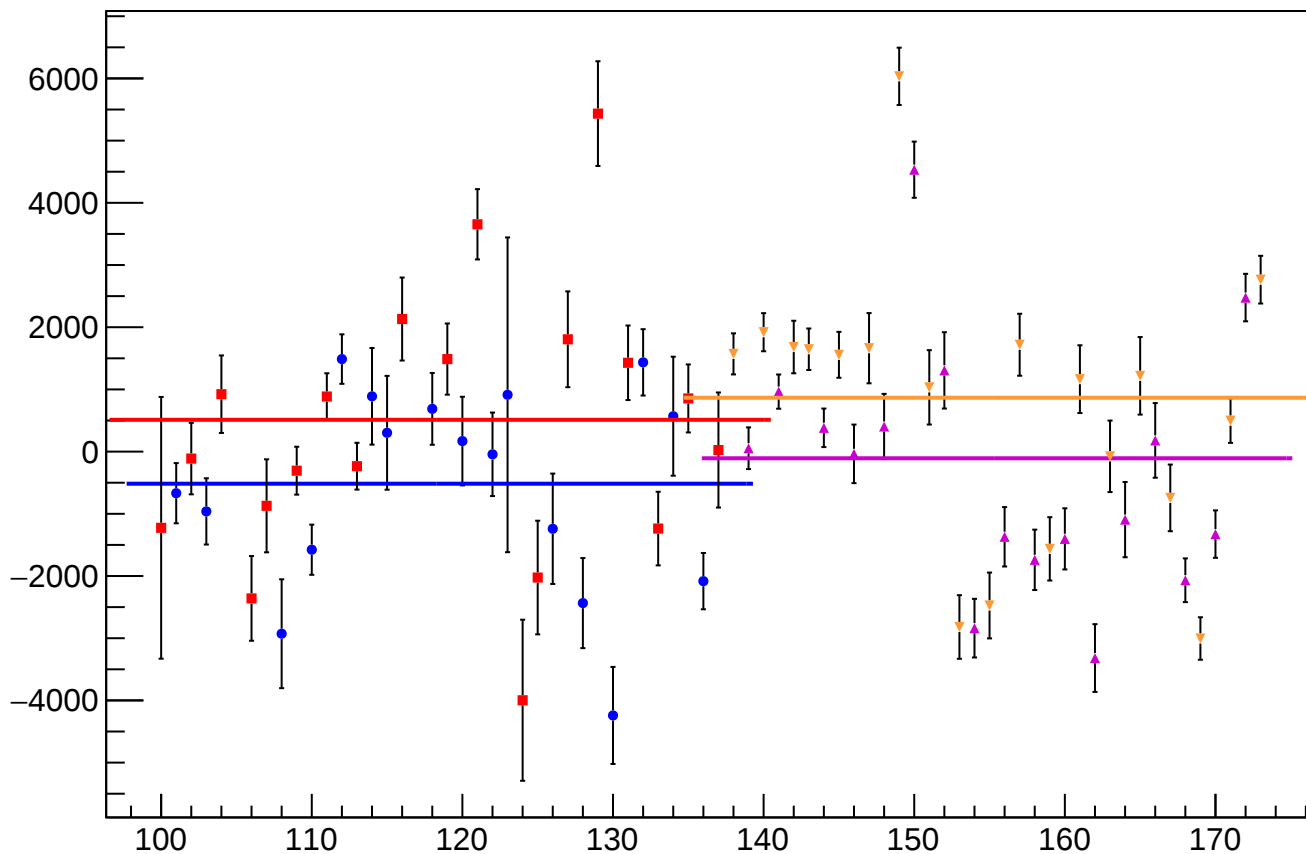
Left In: 291.232 $\pm$ 0.058 χ^2 /NDF: 635985.7/16

+ sign 298.429 $\pm$ 0.047 χ^2 /NDF: 988480.9/35

All: 294.309 $\pm$ 0.033 χ^2 /NDF: 2095784.1/71

- sign 290.273 $\pm$ 0.047 χ^2 /NDF: 1092168.0/35

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

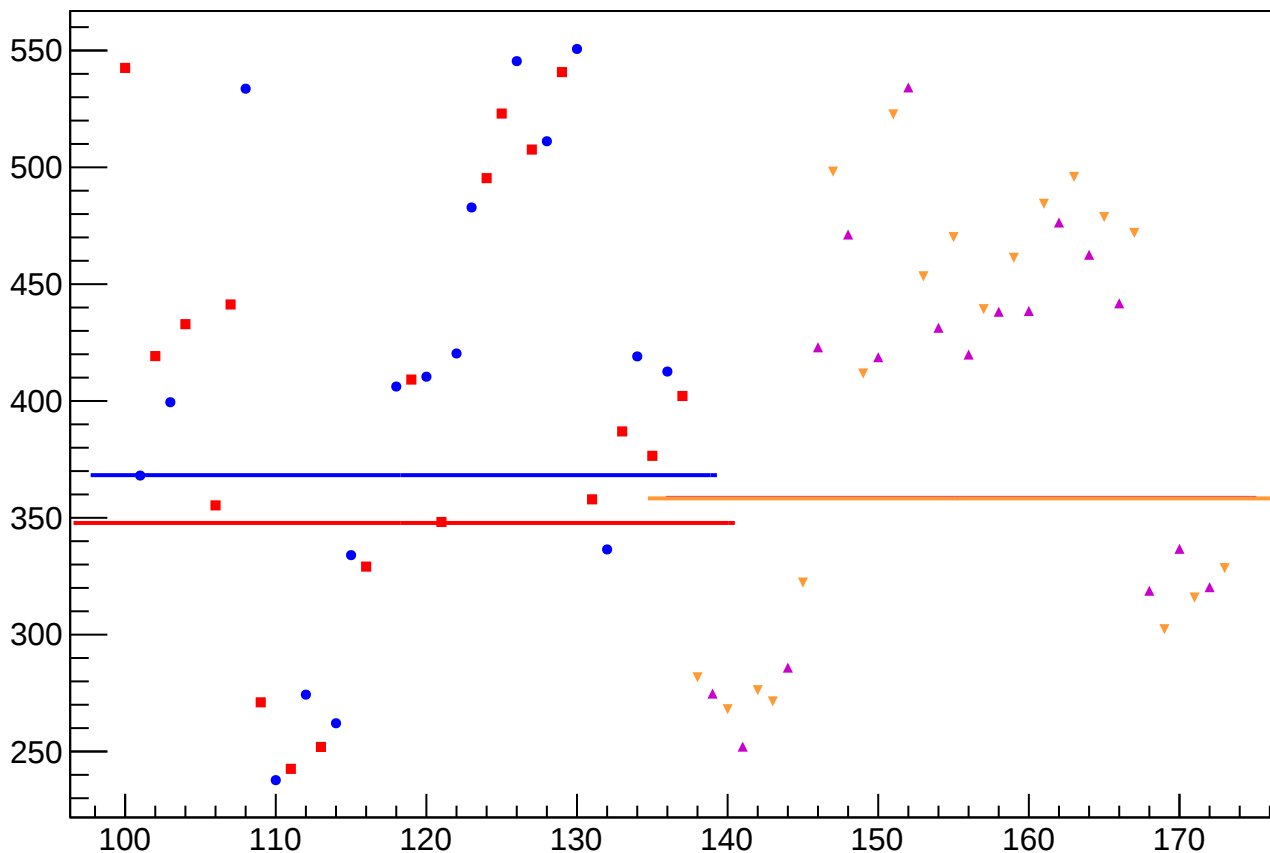
Left In: -107.017 ± 101.956 χ^2/NDF : 313.2/16

+ sign 440.250 ± 81.814 χ^2/NDF : 609.7/35

All: 277.607 ± 57.752 χ^2/NDF : 1085.3/71

- sign 116.077 ± 81.534 χ^2/NDF : 467.8/35

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

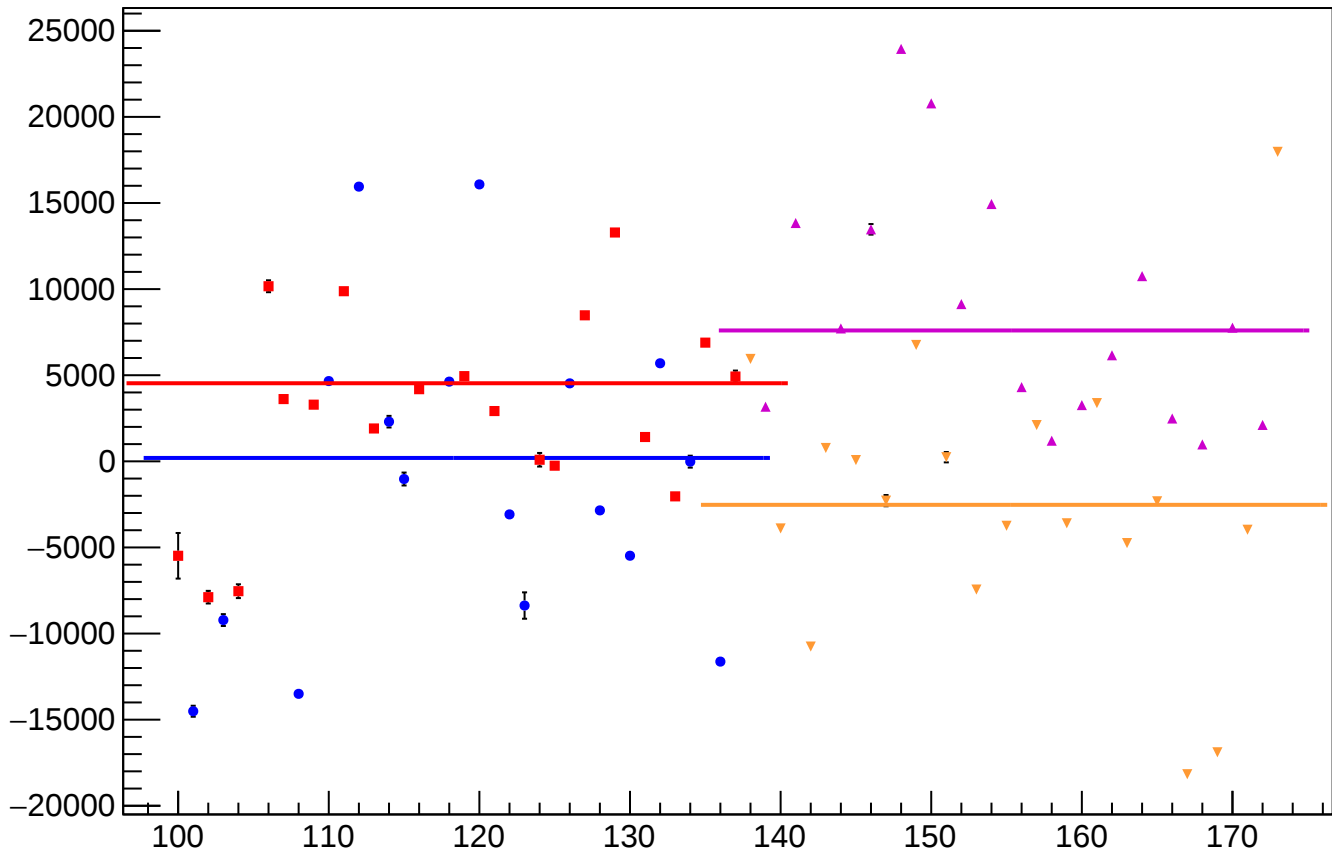
Left In: 358.536 $\pm$ 0.072 χ^2 /NDF: 1294261.7/16

+ sign 361.380 $\pm$ 0.058 χ^2 /NDF: 2361896.9/35

All: 358.012 $\pm$ 0.041 χ^2 /NDF: 4492767.8/71

- sign 354.666 $\pm$ 0.058 χ^2 /NDF: 2124114.8/35

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

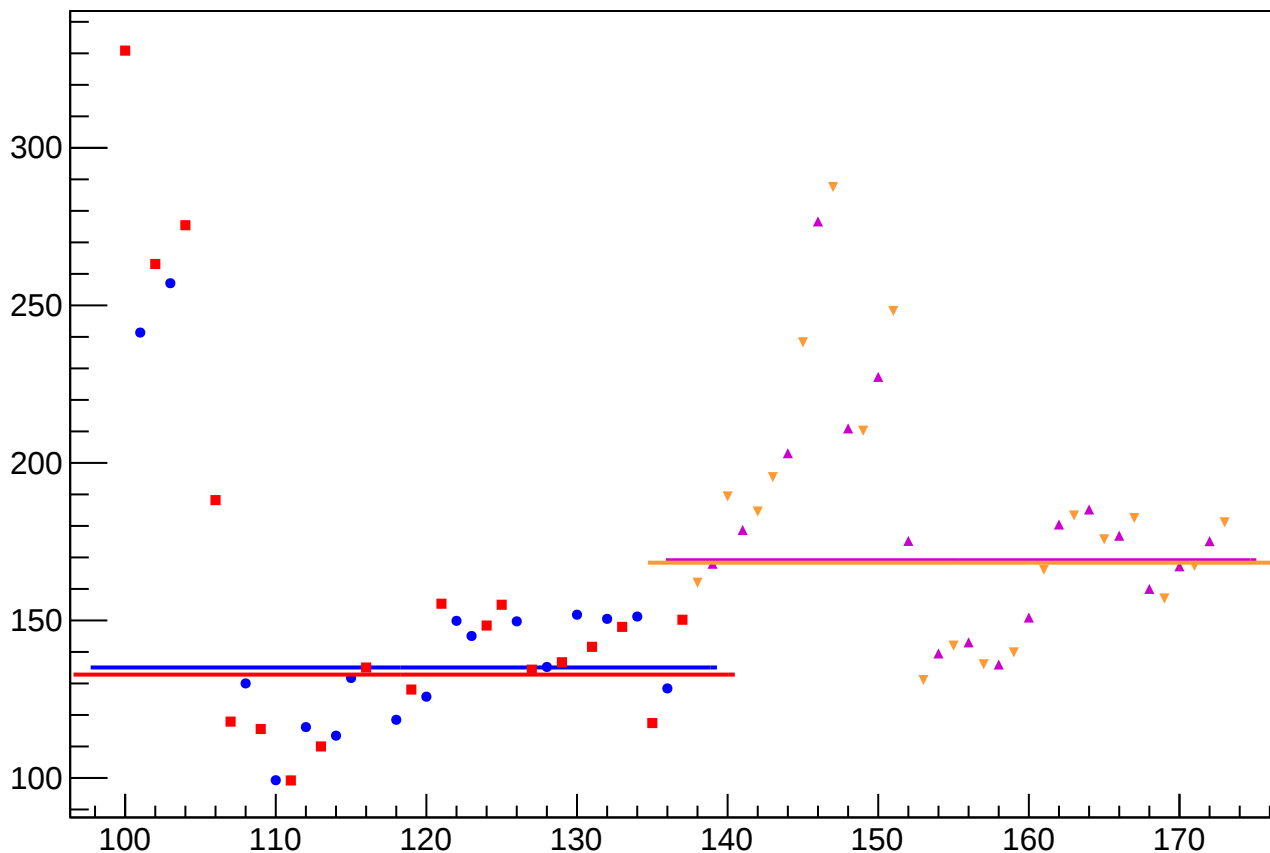
Left In: 7599.351 $\pm$ 48.089 χ^2 /NDF:17192.2/16

+ sign -1401.752 $\pm$ 35.210 χ^2 /NDF: 61859.6/35

All: 2373.252 $\pm$ 24.981 χ^2 /NDF: 111530.9/71

- sign 6199.807 $\pm$ 35.449 χ^2 /NDF: 26524.4/35

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

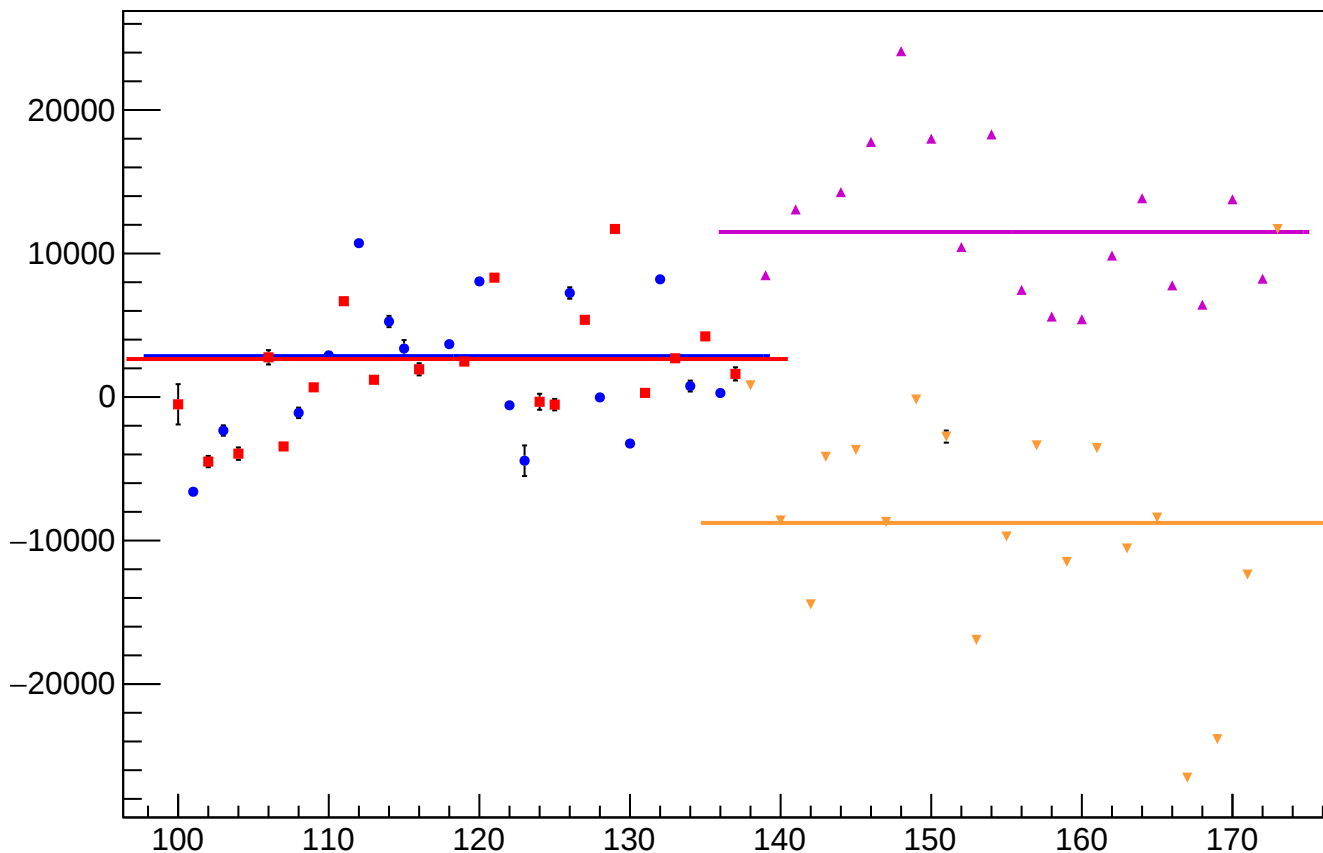
Left In: 169.110 $\pm$ 0.034 χ^2 /NDF: 738636.3/16

+ sign 154.602 $\pm$ 0.025 χ^2 /NDF: 2119935.7/35

All: 153.577 $\pm$ 0.018 χ^2 /NDF: 4213335.3/71

- sign 152.538 $\pm$ 0.025 χ^2 /NDF: 2089987.2/35

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

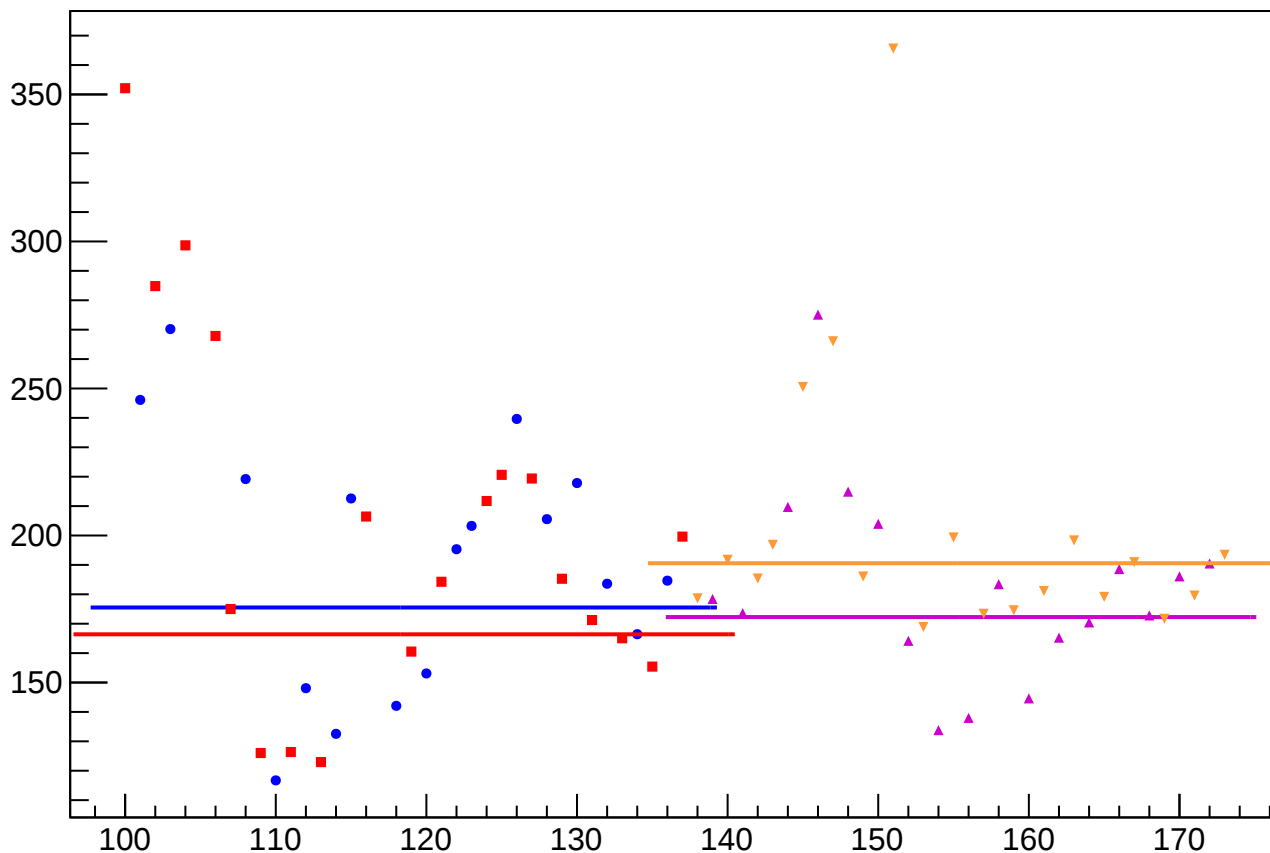
Left In: 11500.001+/-49.042 χ^2/NDF :10804.2/16

+ sign -4717.883+/-41.780 χ^2/NDF : 51394.9/35

All: 2206.325+/-28.629 χ^2/NDF : 128798.5/71

- sign 8334.924+/-39.307 χ^2/NDF : 25627.5/35

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

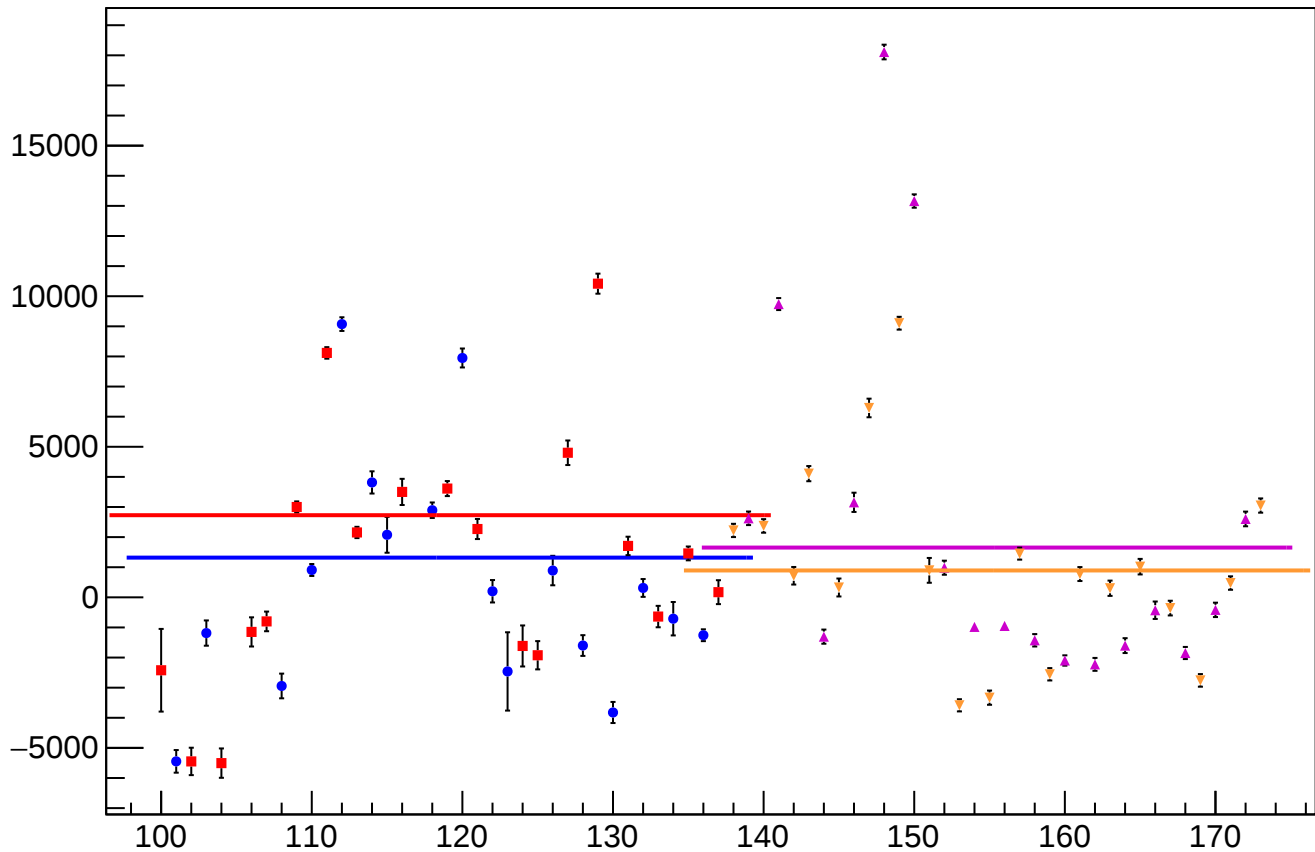
Left In: 172.262+/-0.035 χ^2/NDF : 710439.7/16

+ sign 185.319+/-0.030 χ^2/NDF : 1405111.3/35

All: 177.279+/-0.020 χ^2/NDF : 3194940.2/71

- sign 170.163+/-0.028 χ^2/NDF : 1650218.2/35

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 892.609+/-54.632 χ^2/NDF : 3554.6/18

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

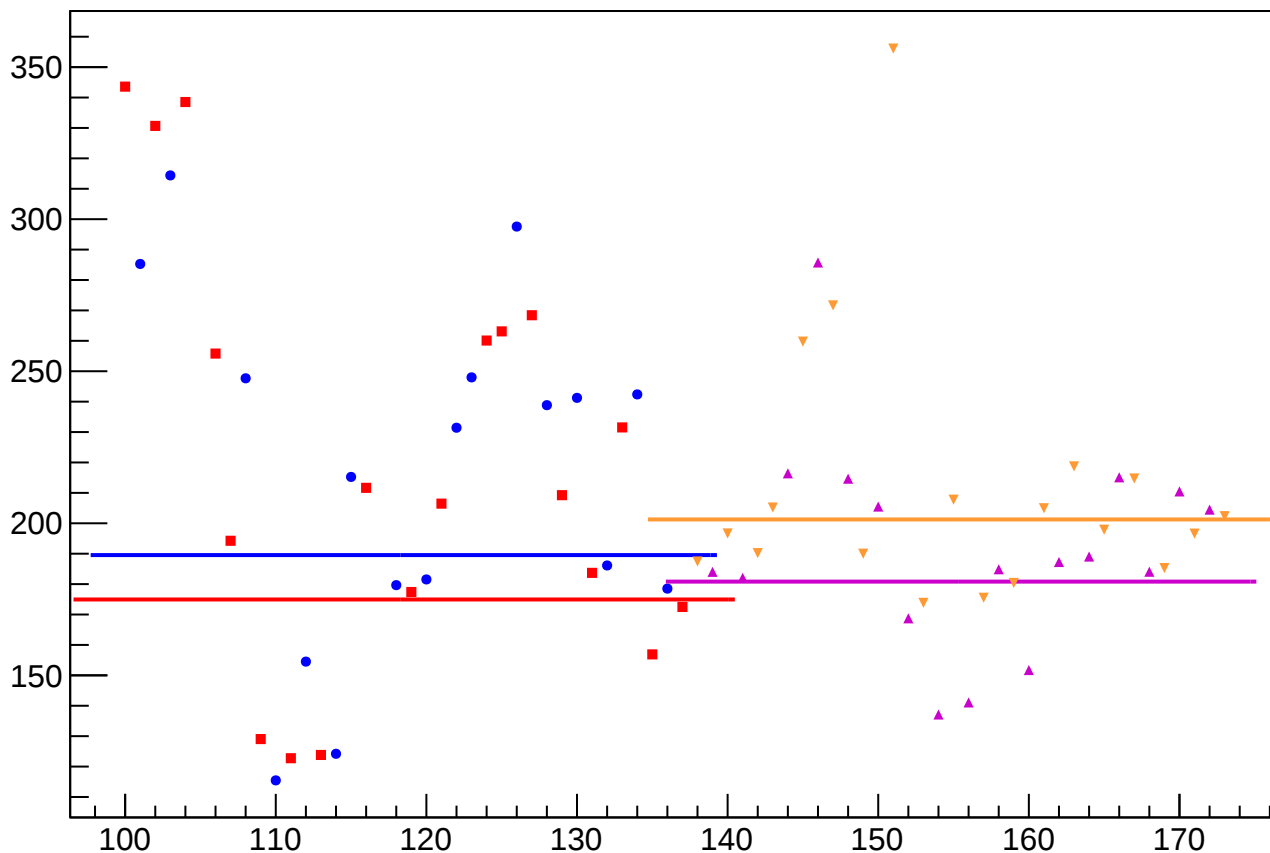
Left In: 1652.600+/-51.553 χ^2/NDF : 11302.8/16

+ sign 1035.026+/-44.584 χ^2/NDF : 6242.0/35

All: 1568.187+/-30.383 χ^2/NDF : 20460.6/71

- sign 2030.497+/-41.517 χ^2/NDF : 13951.6/35

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

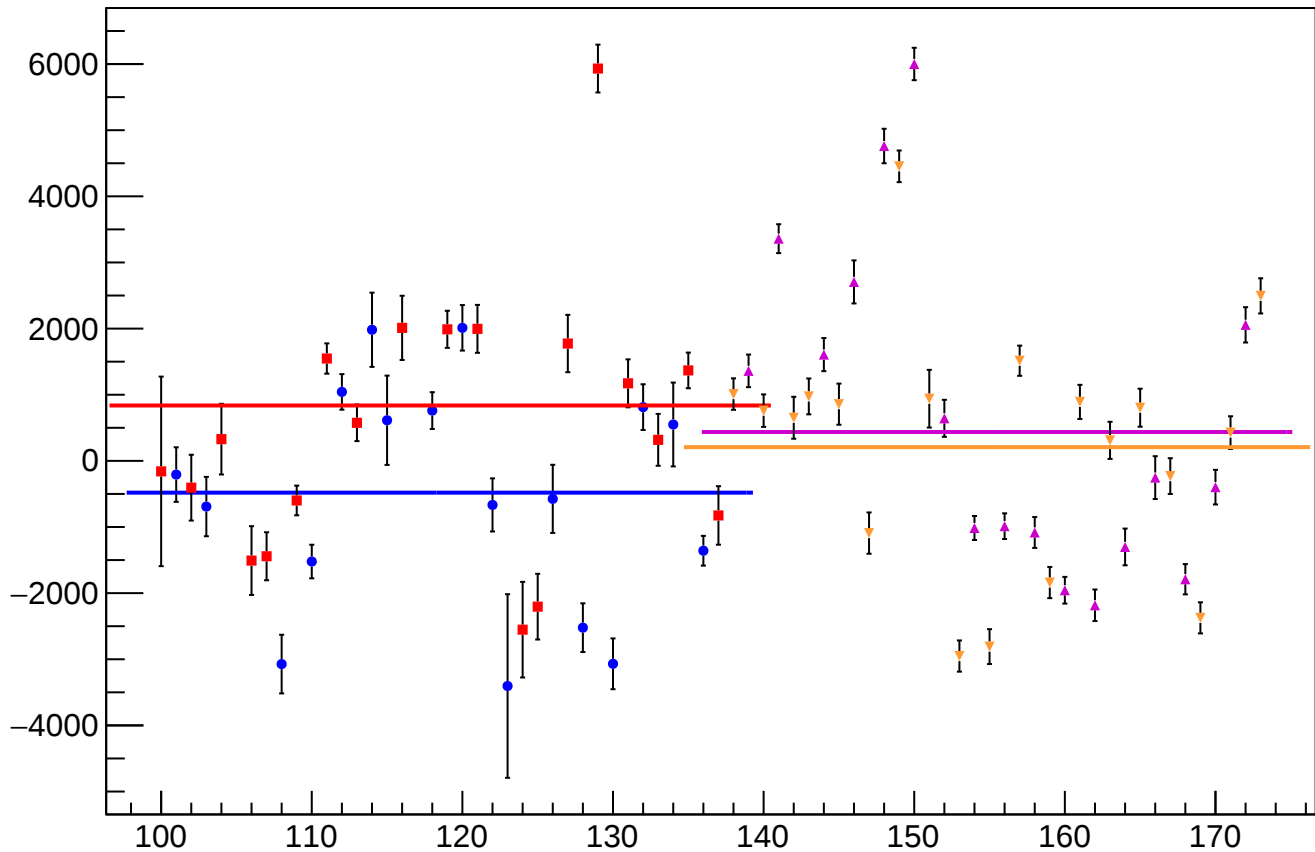
Left In: 180.823 $\pm$ 0.036 χ^2 /NDF: 757073.6/16

+ sign 197.348 $\pm$ 0.032 χ^2 /NDF: 1613366.1/35

All: 187.391 $\pm$ 0.021 χ^2 /NDF: 3862958.7/71

- sign 178.756 $\pm$ 0.029 χ^2 /NDF: 2063321.3/35

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

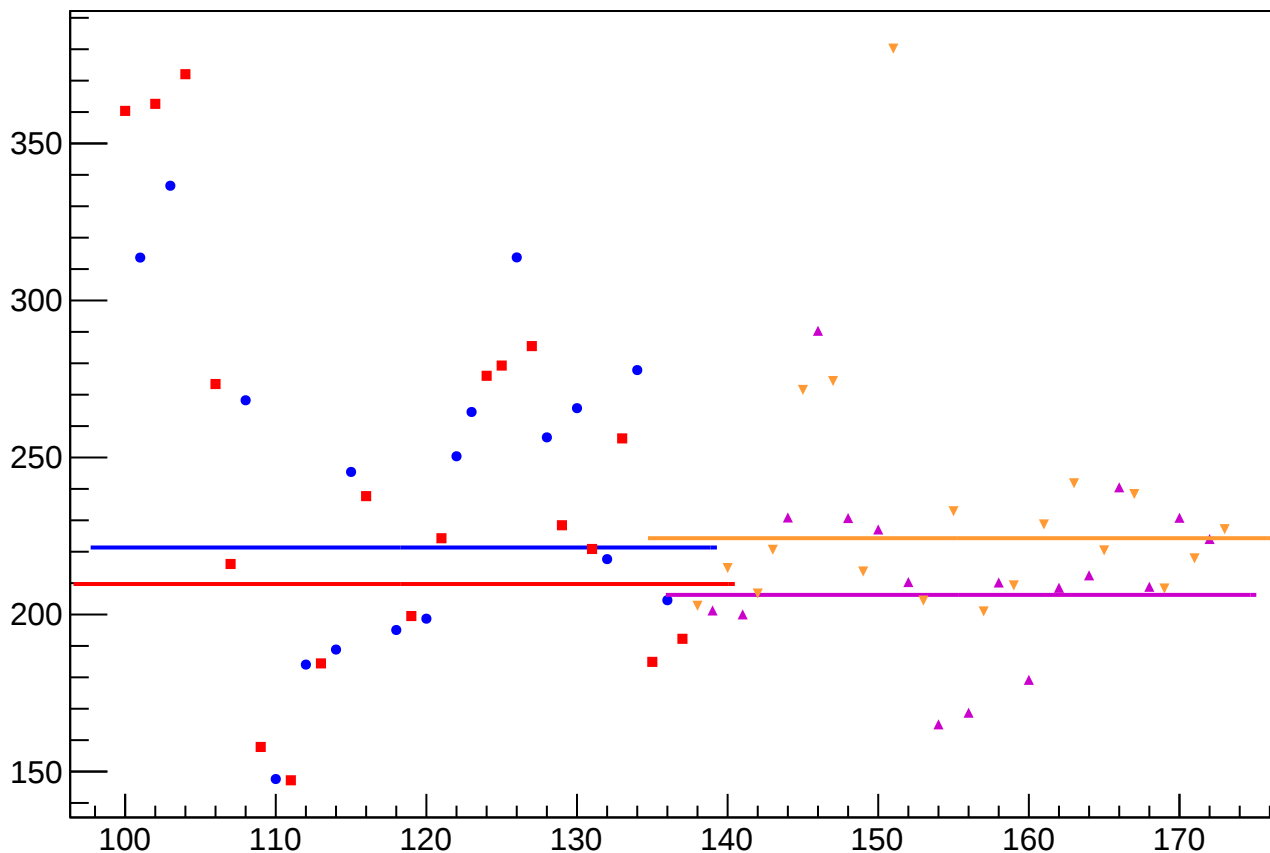
Left In: 436.447 ± 58.251 χ^2/NDF : 1662.6/16

+ sign -11.580 ± 50.008 χ^2/NDF : 1324.5/35

All: 294.156 ± 34.454 χ^2/NDF : 3509.4/71

- sign 570.406 ± 47.535 χ^2/NDF : 2113.7/35

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

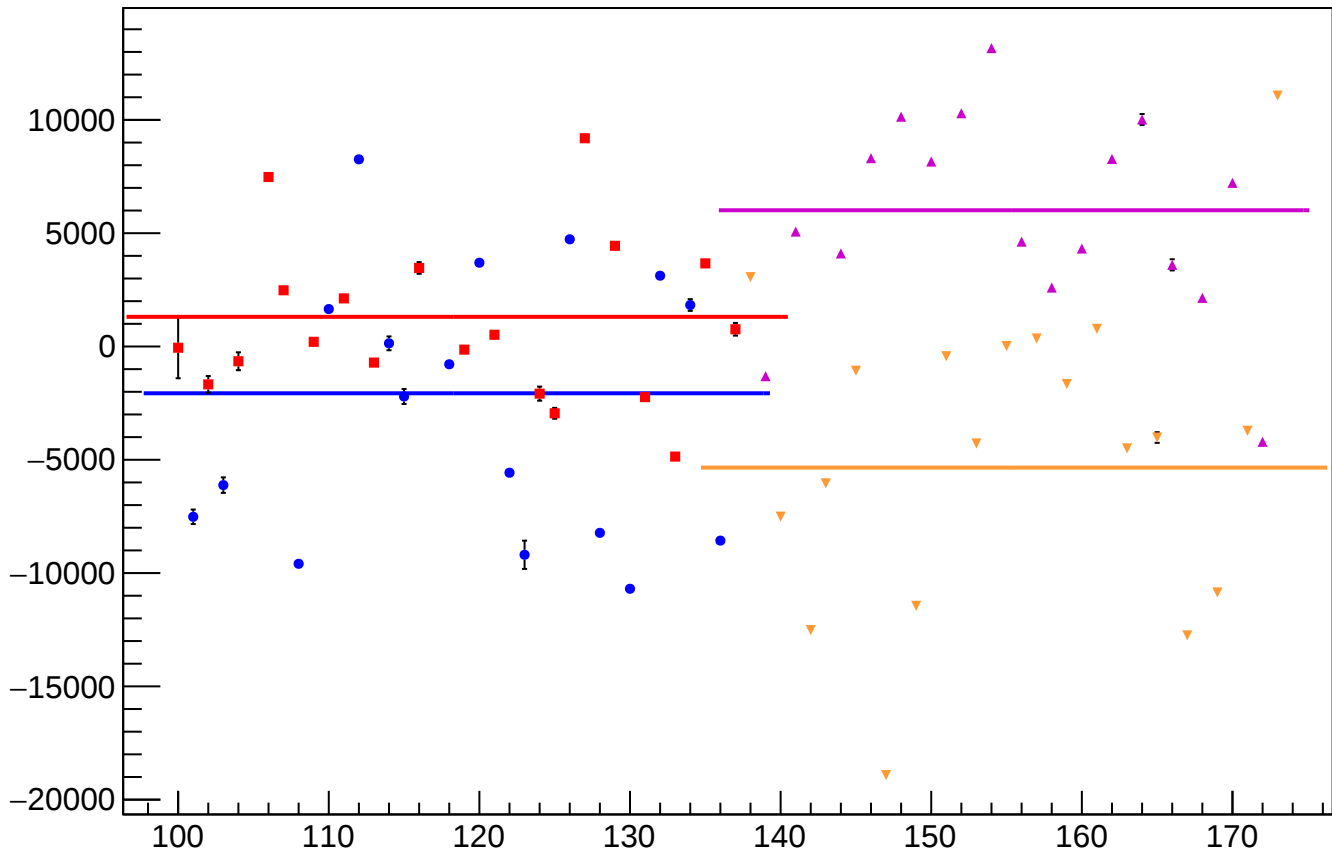
Left In: 206.253 $\pm$ 0.041 χ^2 /NDF: 452900.9/16

+ sign 223.365 $\pm$ 0.035 χ^2 /NDF: 1100122.7/35

All: 214.983 $\pm$ 0.024 χ^2 /NDF: 2546245.8/71

- sign 207.410 $\pm$ 0.034 χ^2 /NDF: 1339180.7/35

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 χ^2/NDF : 16533.3/16

Left Out: -5344.413 ± 35.577 χ^2/NDF : 36143.8/18

Right Out: 1308.512 ± 45.001 χ^2/NDF : 5894.4/18

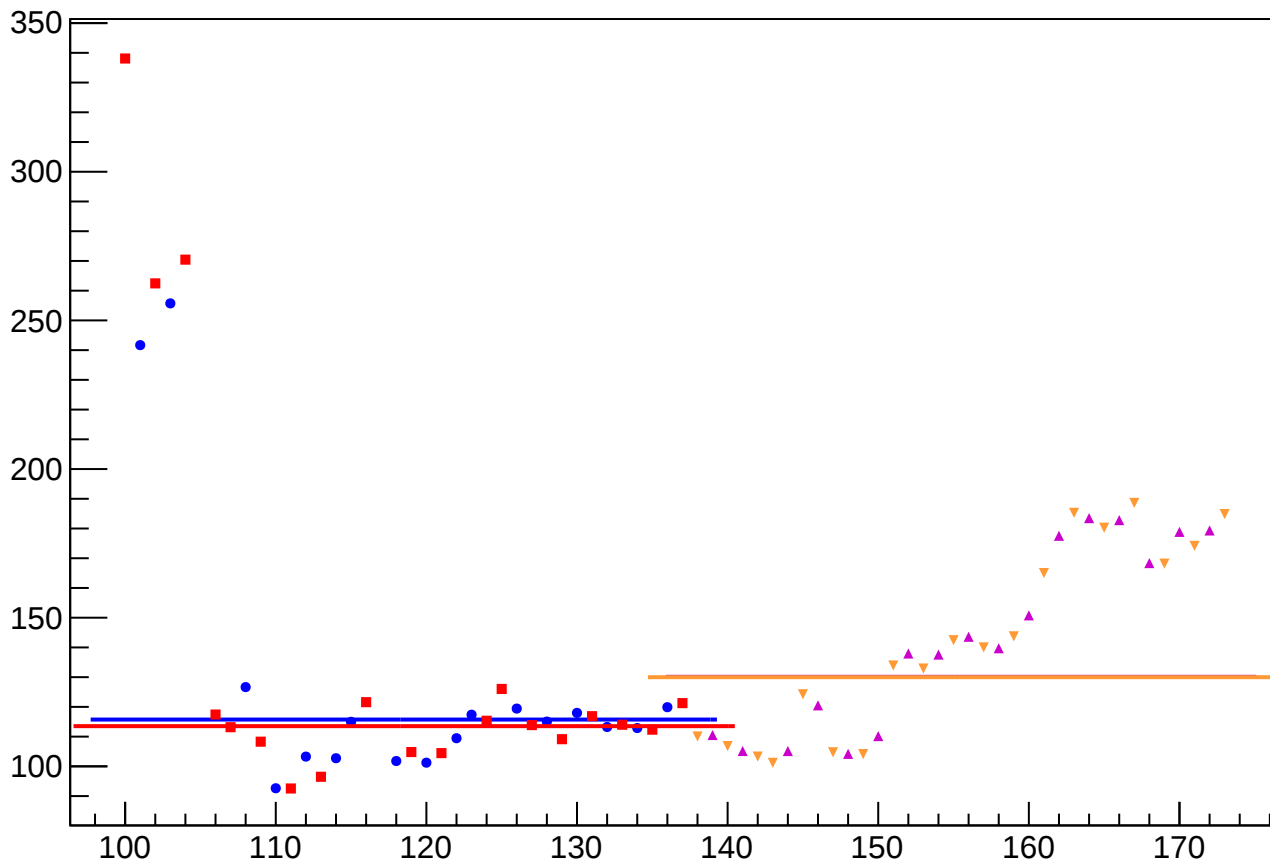
Left In: 6011.899 ± 36.873 χ^2/NDF : 12005.0/16

+ sign -4160.242 ± 28.437 χ^2/NDF : 55745.0/35

All: -31.075 ± 20.138 χ^2/NDF : 122473.7/71

- sign 4122.591 ± 28.521 χ^2/NDF : 24435.2/35

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

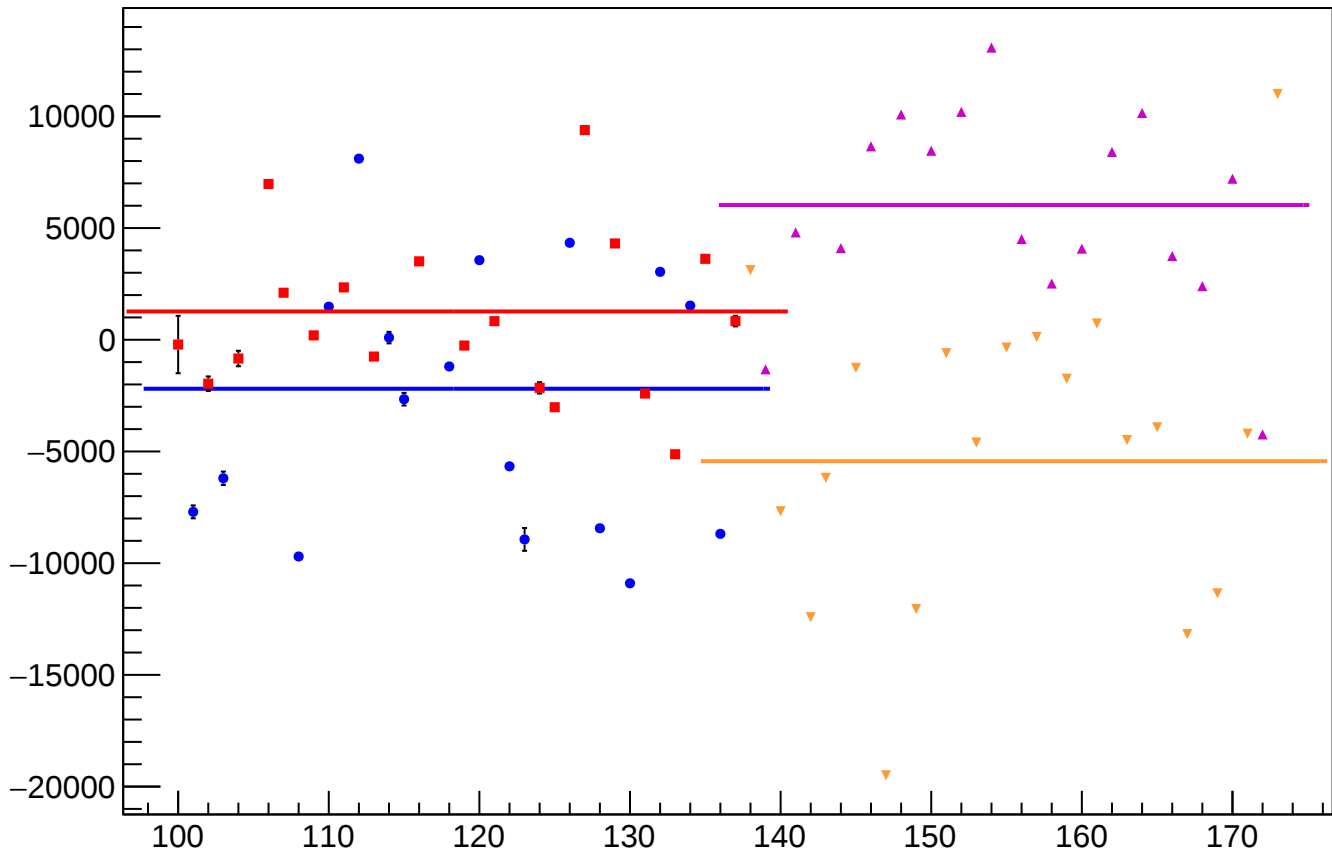
Left In: 130.115+/-0.026 χ^2/NDF :1059627.3/16

+ sign 124.843+/-0.020 χ^2/NDF : 2119776.6/35

All: 124.148+/-0.014 χ^2/NDF : 4141180.8/71

- sign 123.448+/-0.020 χ^2/NDF : 2019007.8/35

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327+/-39.944 χ^2/NDF : 22813.5/16

Left Out: -5435.700+/-32.224 χ^2/NDF : 43613.2/18

Right Out: 1266.189+/-38.048 χ^2/NDF : 8550.5/18

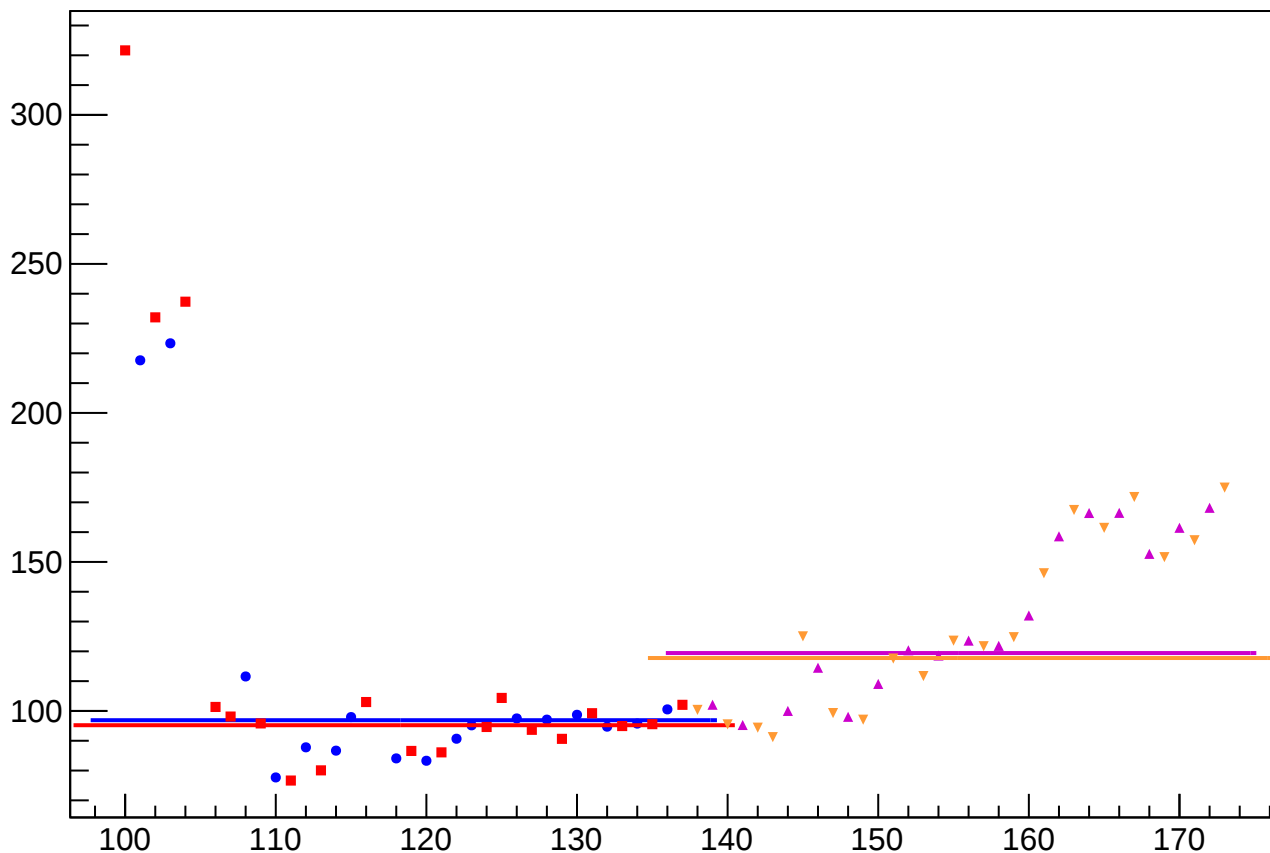
Left In: 6029.026+/-33.763 χ^2/NDF : 14641.7/16

+ sign -4157.026+/-25.080 χ^2/NDF : 70420.6/35

All: -140.988+/-17.795 χ^2/NDF : 154016.9/71

- sign 3930.803+/-25.254 χ^2/NDF : 31958.8/35

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

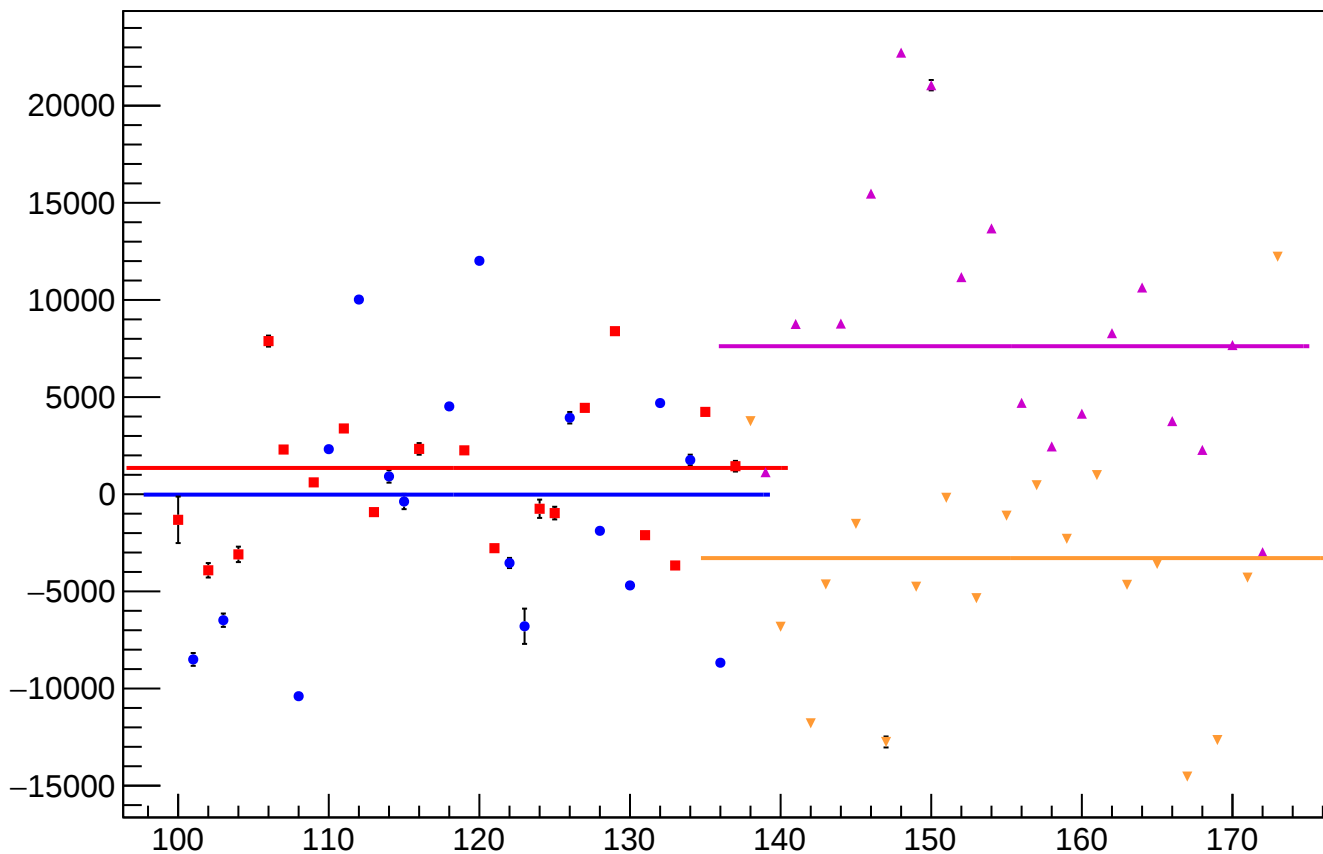
Left In: 119.429+/-0.024 χ^2/NDF : 892127.2/16

+ sign 109.534+/-0.018 χ^2/NDF : 2338218.3/35

All: 109.150+/-0.013 χ^2/NDF : 4544330.9/71

- sign 108.761+/-0.018 χ^2/NDF : 2205169.7/35

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

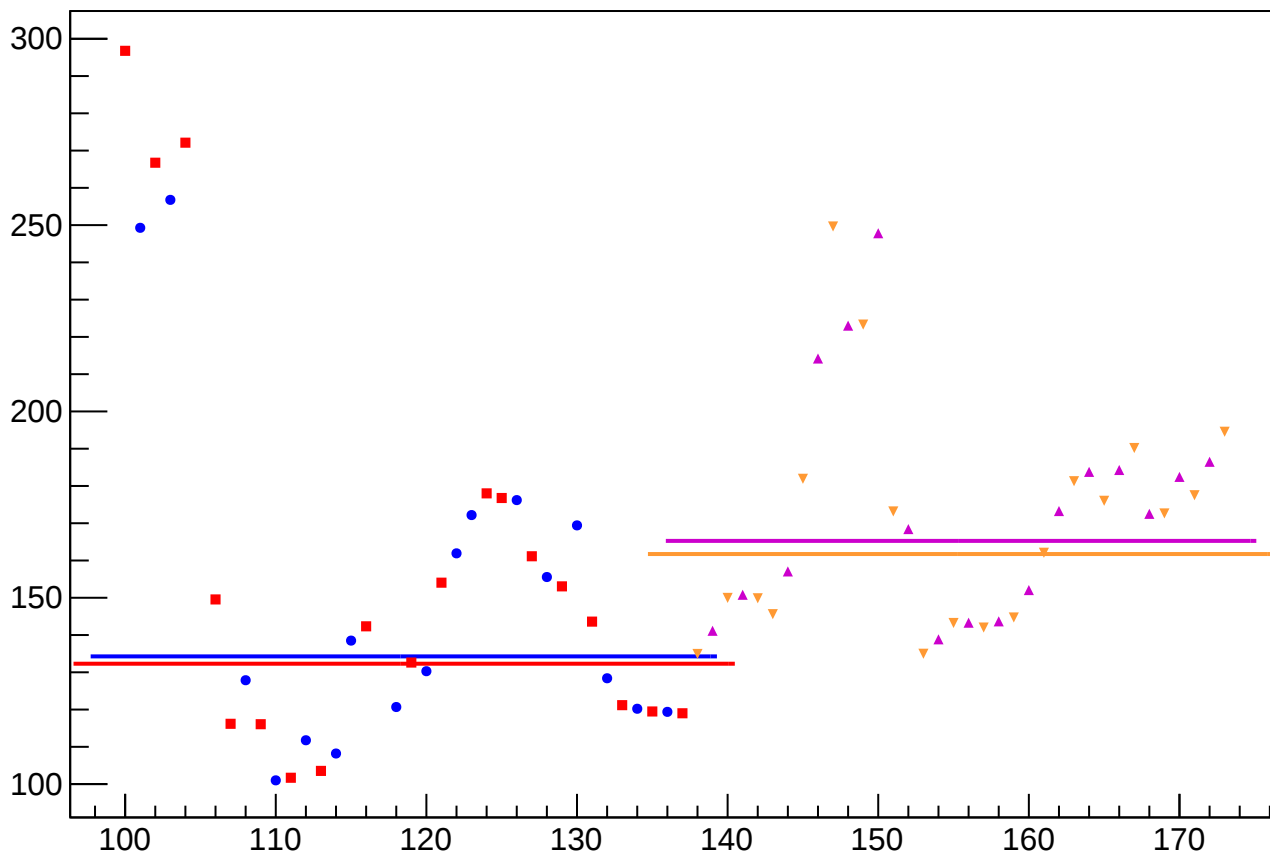
Left In: 7619.521 ± 46.496 χ^2/NDF : 15813.9/16

+ sign -2010.550 ± 34.155 χ^2/NDF : 35085.0/35

All: 1362.264 ± 24.365 χ^2/NDF : 82598.7/71

- sign 4857.307 ± 34.769 χ^2/NDF : 27657.4/35

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

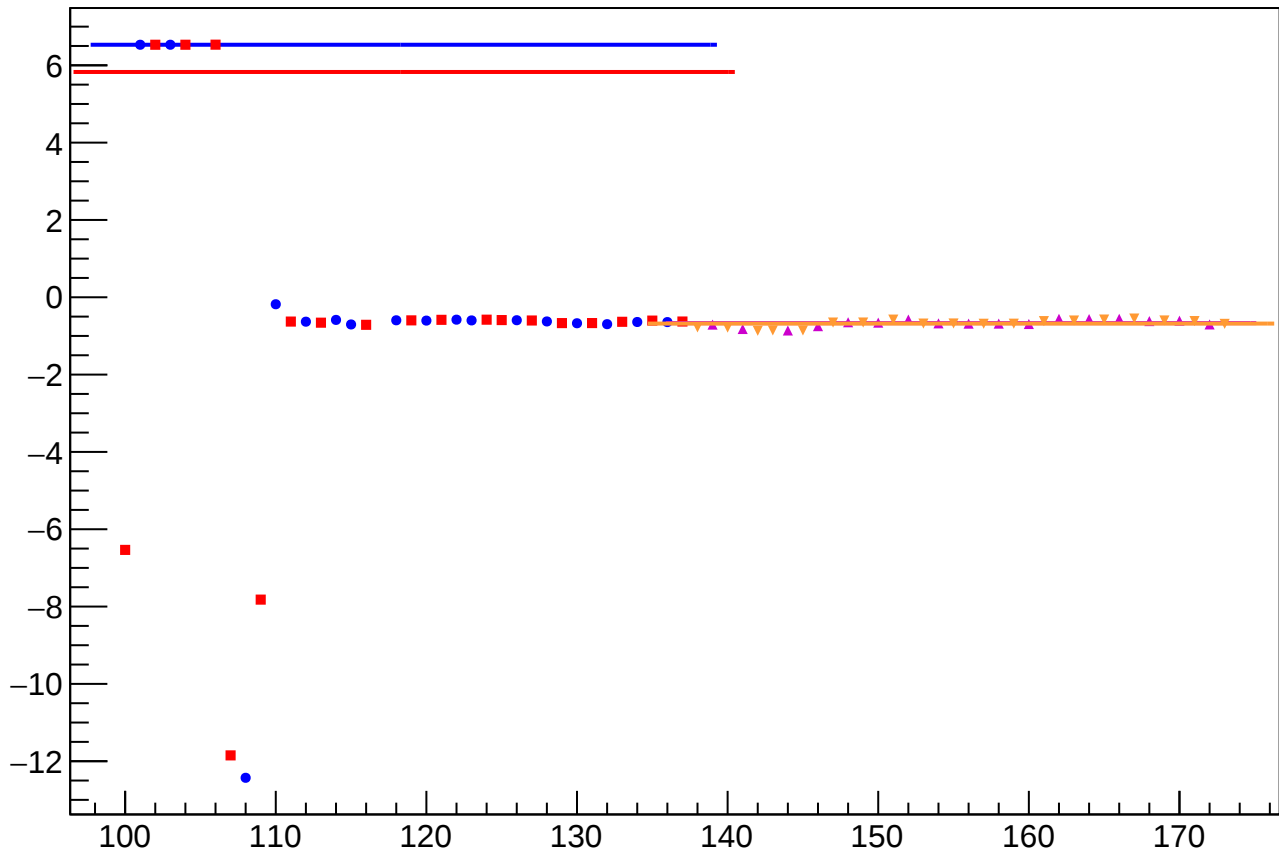
Left In: 165.262 $\pm$ 0.033 χ^2 /NDF: 644633.7/16

+ sign 151.004 $\pm$ 0.024 χ^2 /NDF: 1785349.1/35

All: 150.871 $\pm$ 0.017 χ^2 /NDF: 3742981.3/71

- sign 150.733 $\pm$ 0.025 χ^2 /NDF: 1957570.4/35

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

Left Out: -0.681 $\pm$ 0.000 χ^2 /NDF: 127349300.2/18

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755948646460090.5/18

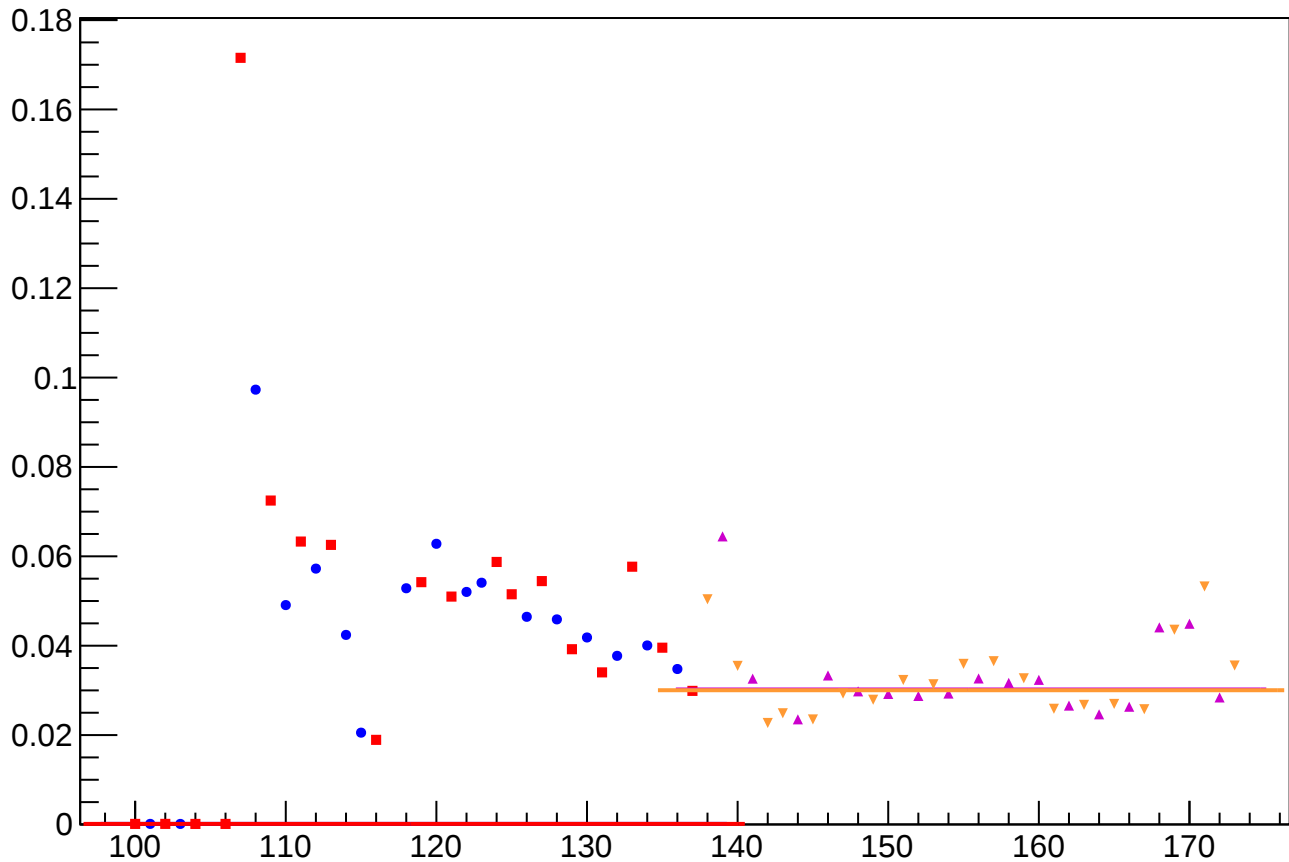
Left In: -0.668 $\pm$ 0.000 χ^2 /NDF: 97114706.8/16

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 764659785750.8/35

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 7771777579979

- sign 5.827 $\pm$ 0.000 χ^2 /NDF: 756425376879949.1

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

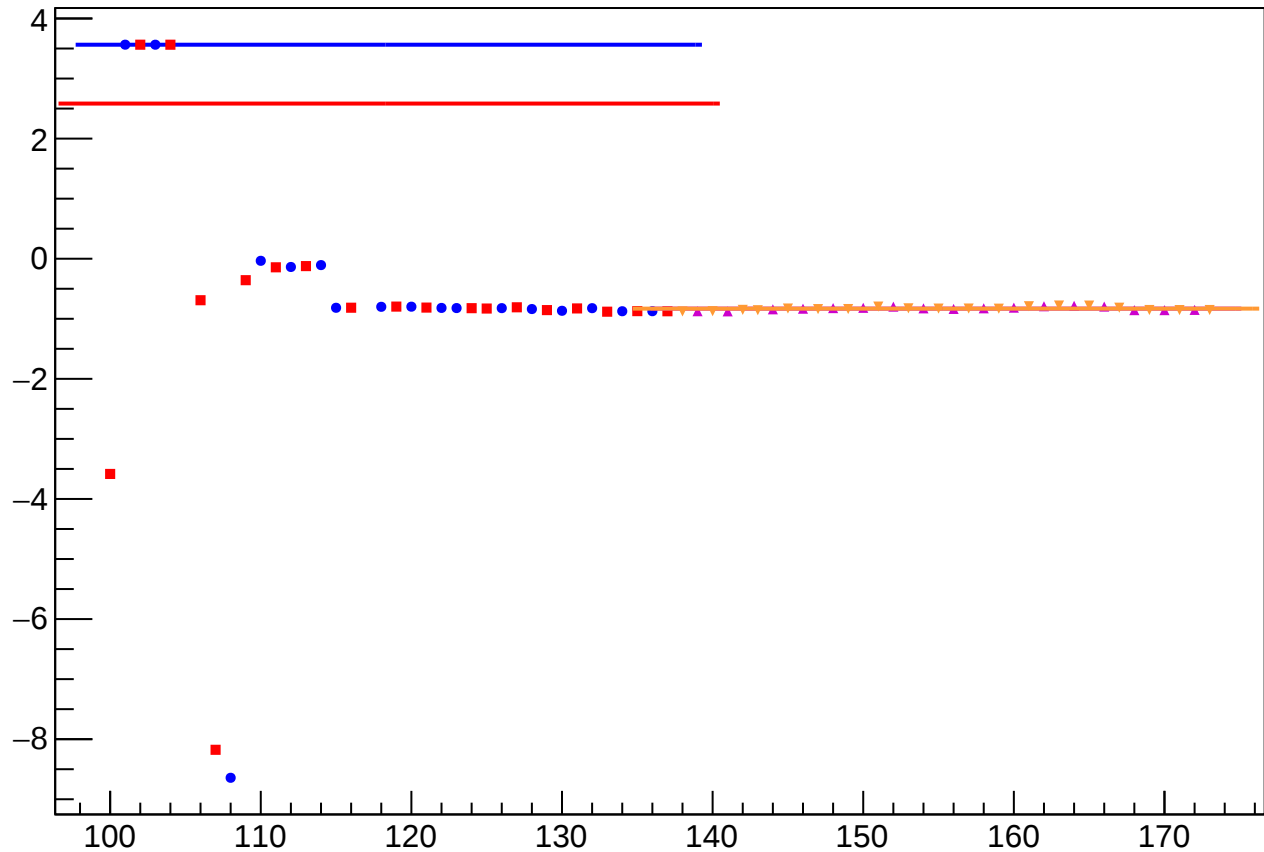
Left In: 0.030+/-0.000 χ^2/NDF : 886888.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 31960278.3/35

All: 0.000+/-0.000 χ^2/NDF : 62664188.4/71

- sign 0.000+/-0.000 χ^2/NDF : 30703322.8/35

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

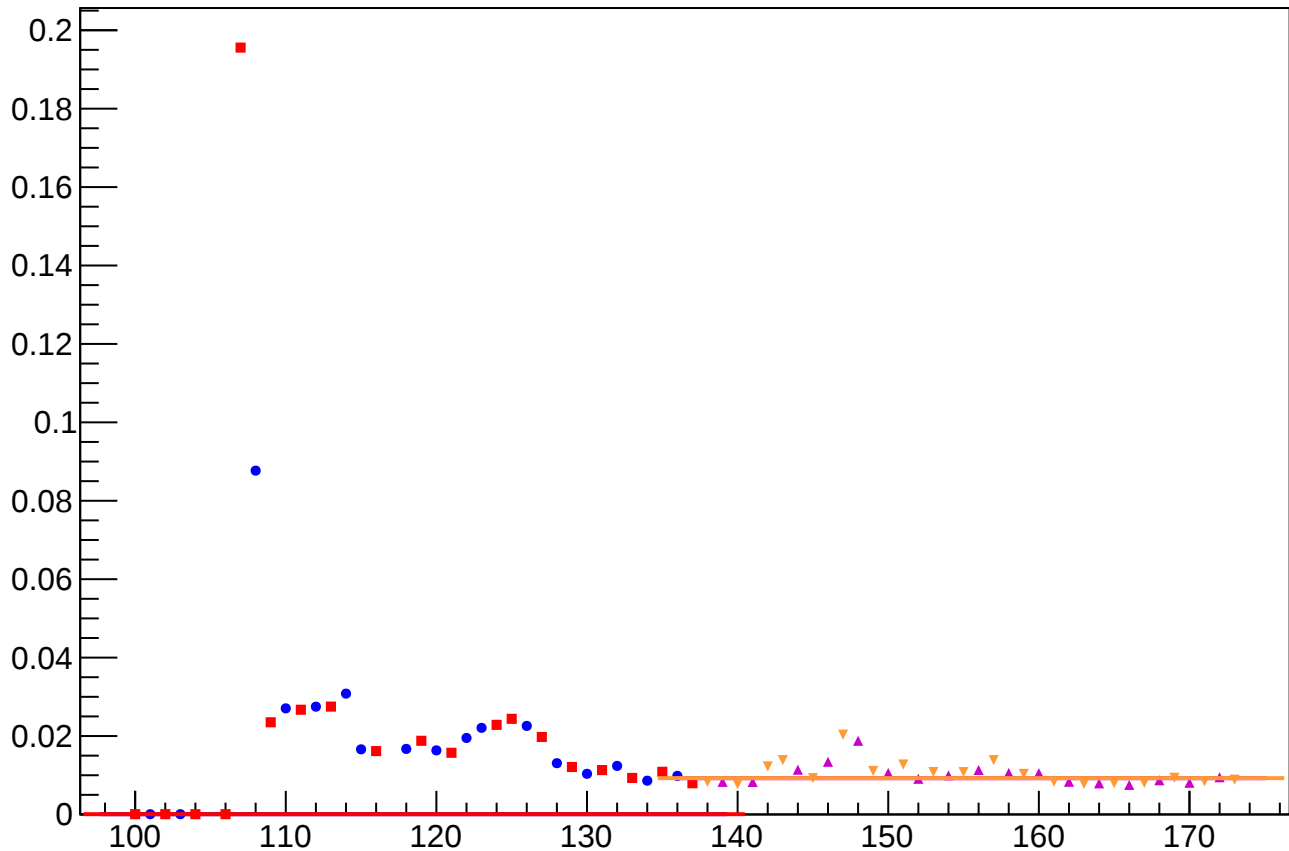
Left In: -0.831+/-0.000 χ^2/NDF : 119856666.4/16

+ sign 3.561+/-0.000 χ^2/NDF : 3081761156728.5/35

All: 3.038+/-0.000 χ^2/NDF : 13861515453948

- sign 2.582+/-0.000 χ^2/NDF : 1254963348495944.0

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

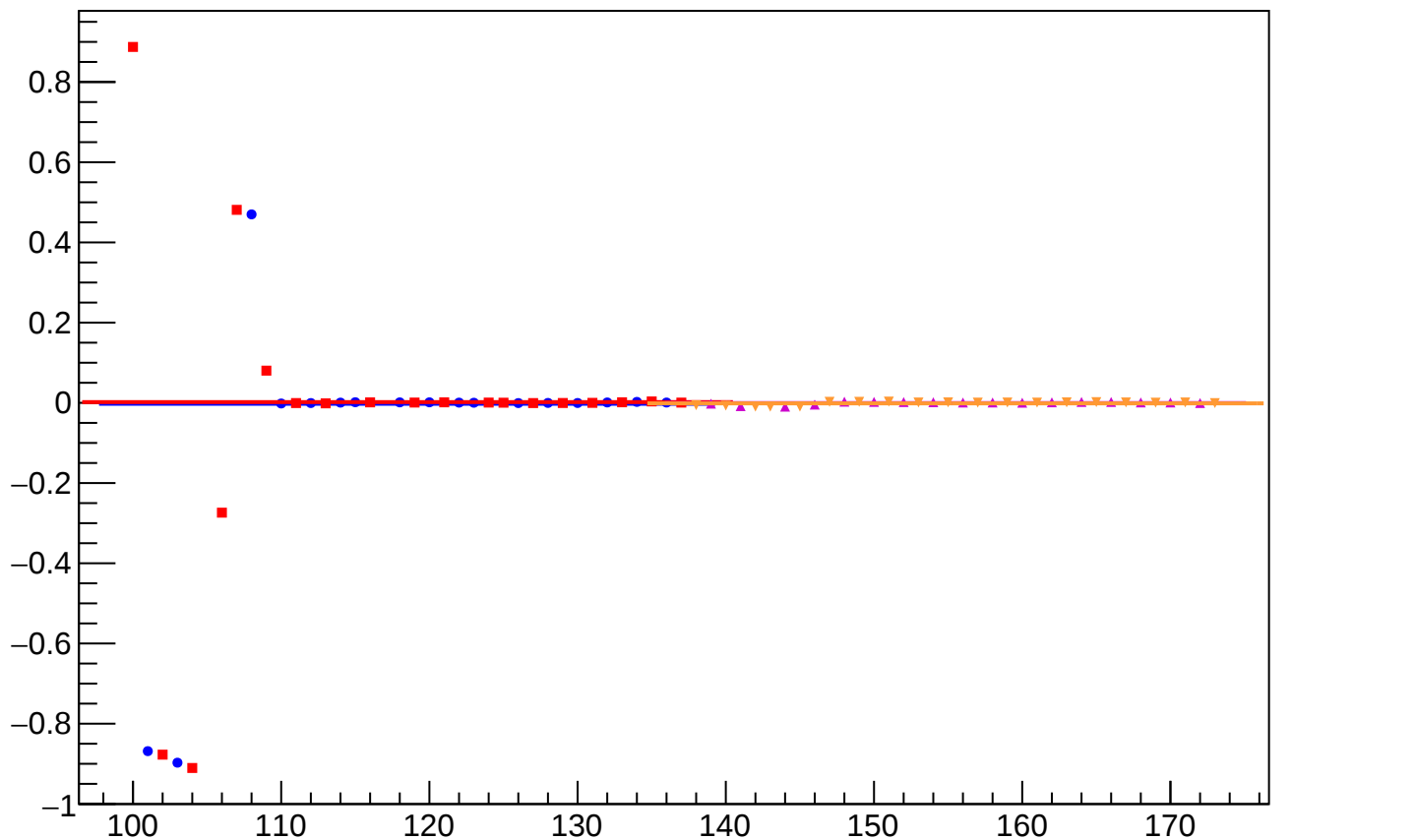
Left In: 0.009+/-0.000 χ^2/NDF :791593.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 33625386.3/35

All: 0.000+/-0.000 χ^2/NDF : 65374076.4/71

- sign 0.000+/-0.000 χ^2/NDF : 31747670.4/35

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

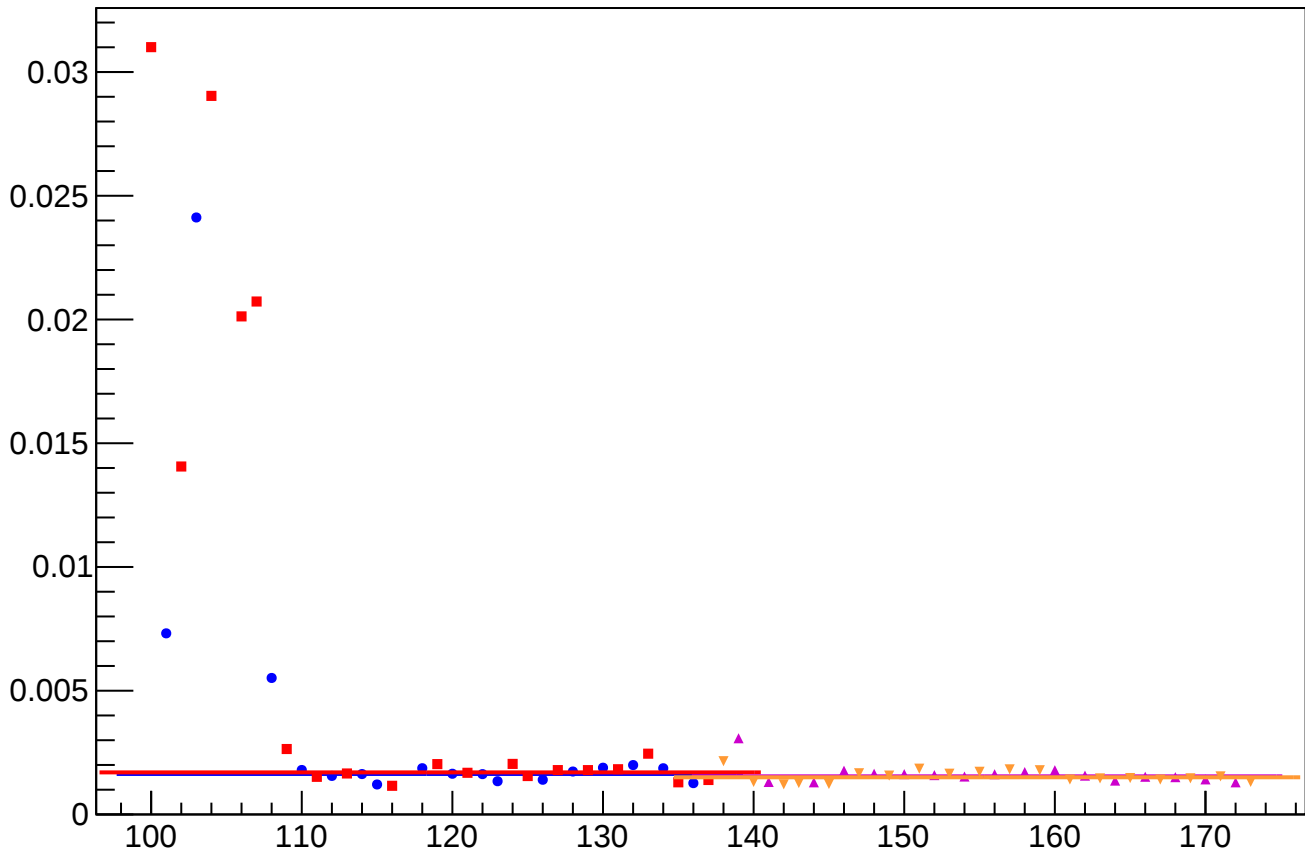
Left In: -0.001+/-0.000 χ^2/NDF : 67347968.8/16

+ sign -0.002+/-0.000 χ^2/NDF : 9891322092.4/35

All: -0.001+/-0.000 χ^2/NDF : 13015107286.9/35

- sign 0.000+/-0.000 χ^2/NDF : 3115456516.8/35

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

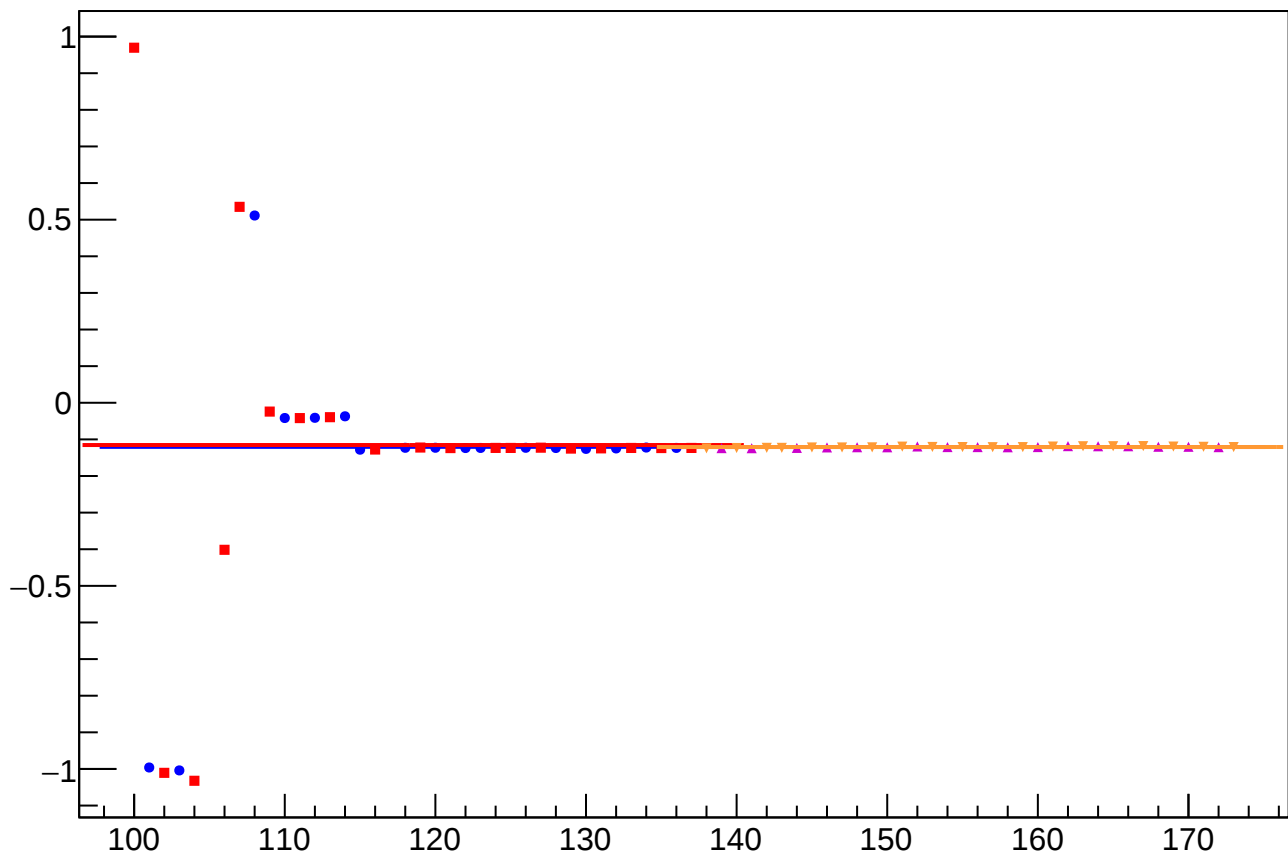
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:554706.8/16

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2421001.3/35

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6072498.2/71

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3638042.1/35

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

Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

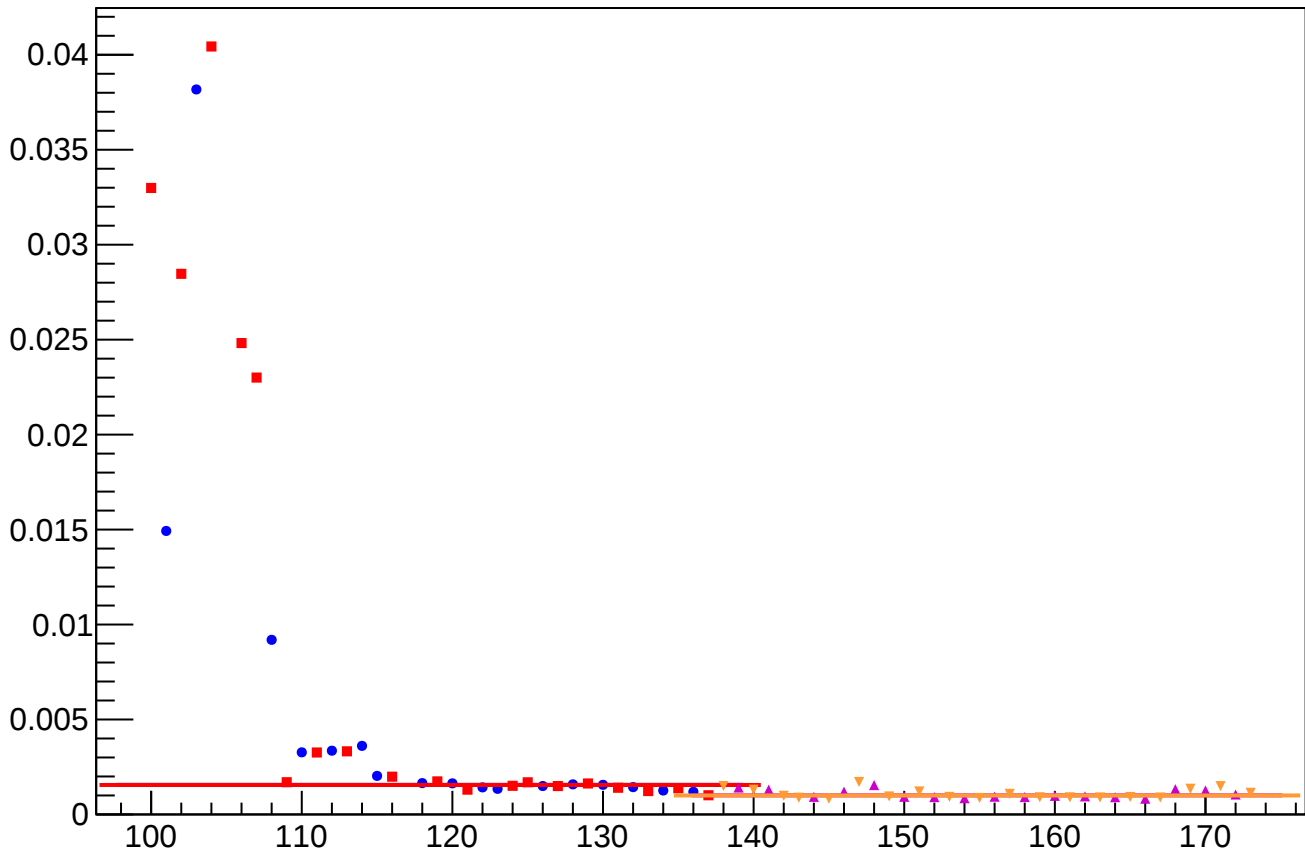
Left In: -0.121+/-0.000 χ^2/NDF : 28105179.9/16

+ sign -0.121+/-0.000 χ^2/NDF : 3964787001.2/35

All: -0.120+/-0.000 χ^2/NDF : 6501155800.3/7

- sign -0.120+/-0.000 χ^2/NDF : 2533169019.7/35

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

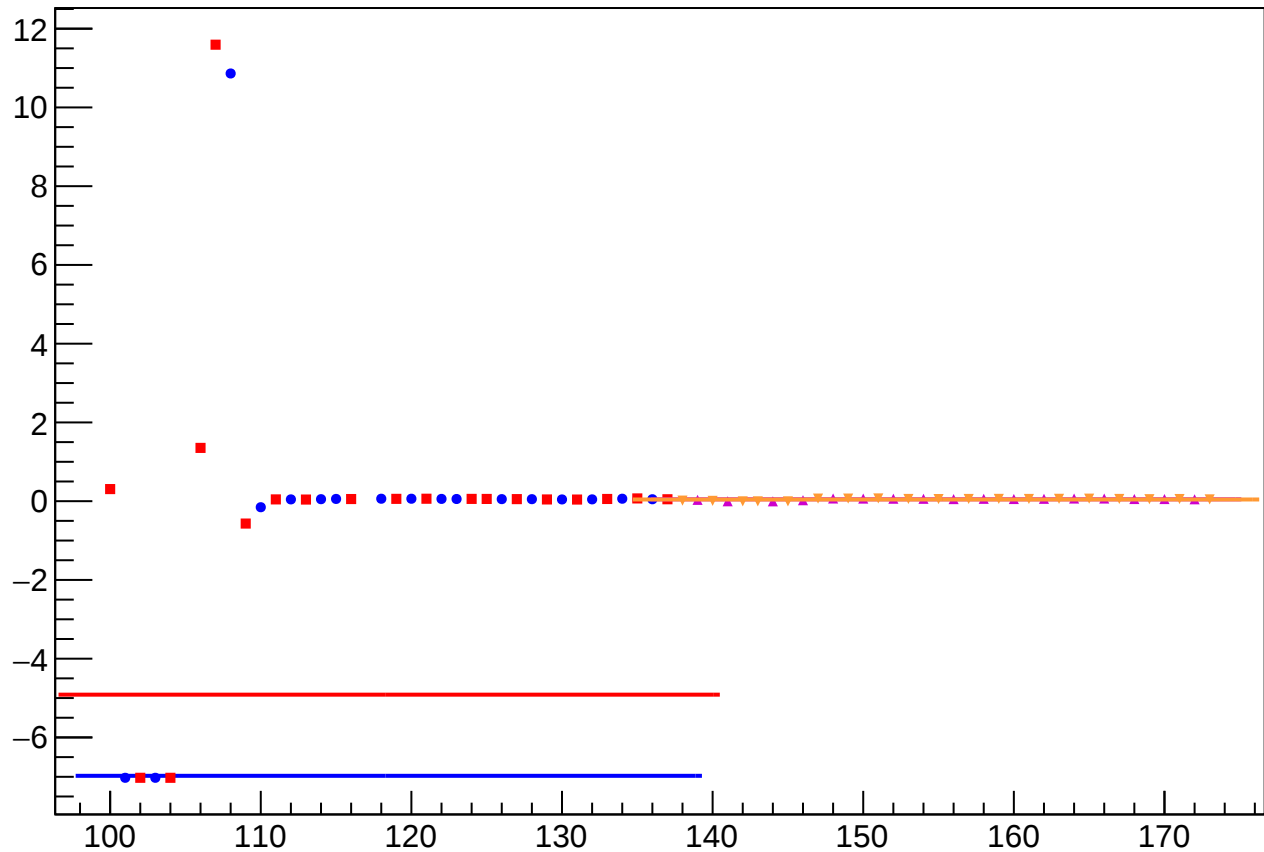
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:736193.6/16

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4969856.2/35

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10226830.5/71

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5255979.2/35

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

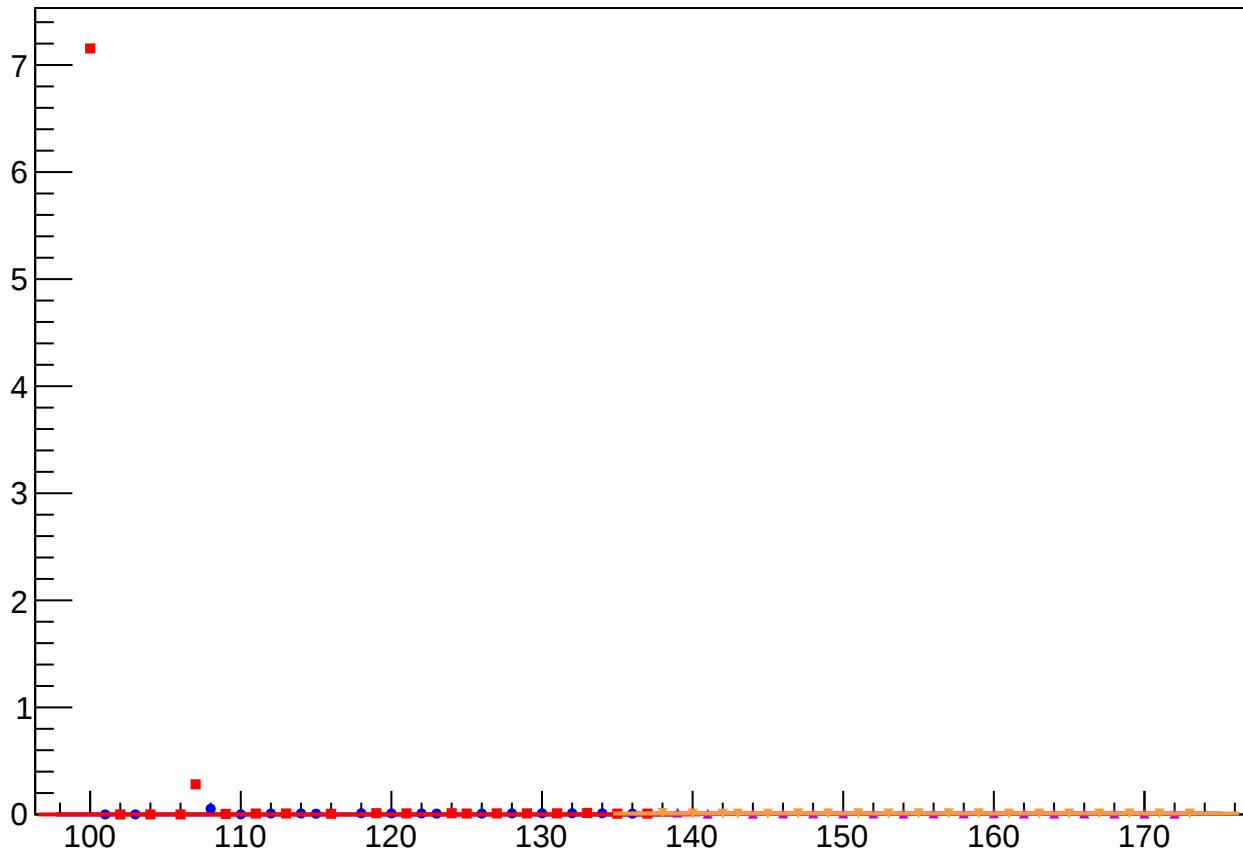
Left In: 0.047+/-0.000 χ^2/NDF :74626340.1/16

+ sign -6.935+/-0.000 χ^2/NDF : 15875430565293.4/16

All: -5.869+/-0.000 χ^2/NDF : 4399288406390.4/16

- sign -4.891+/-0.000 χ^2/NDF : 368497904440850.9/16

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

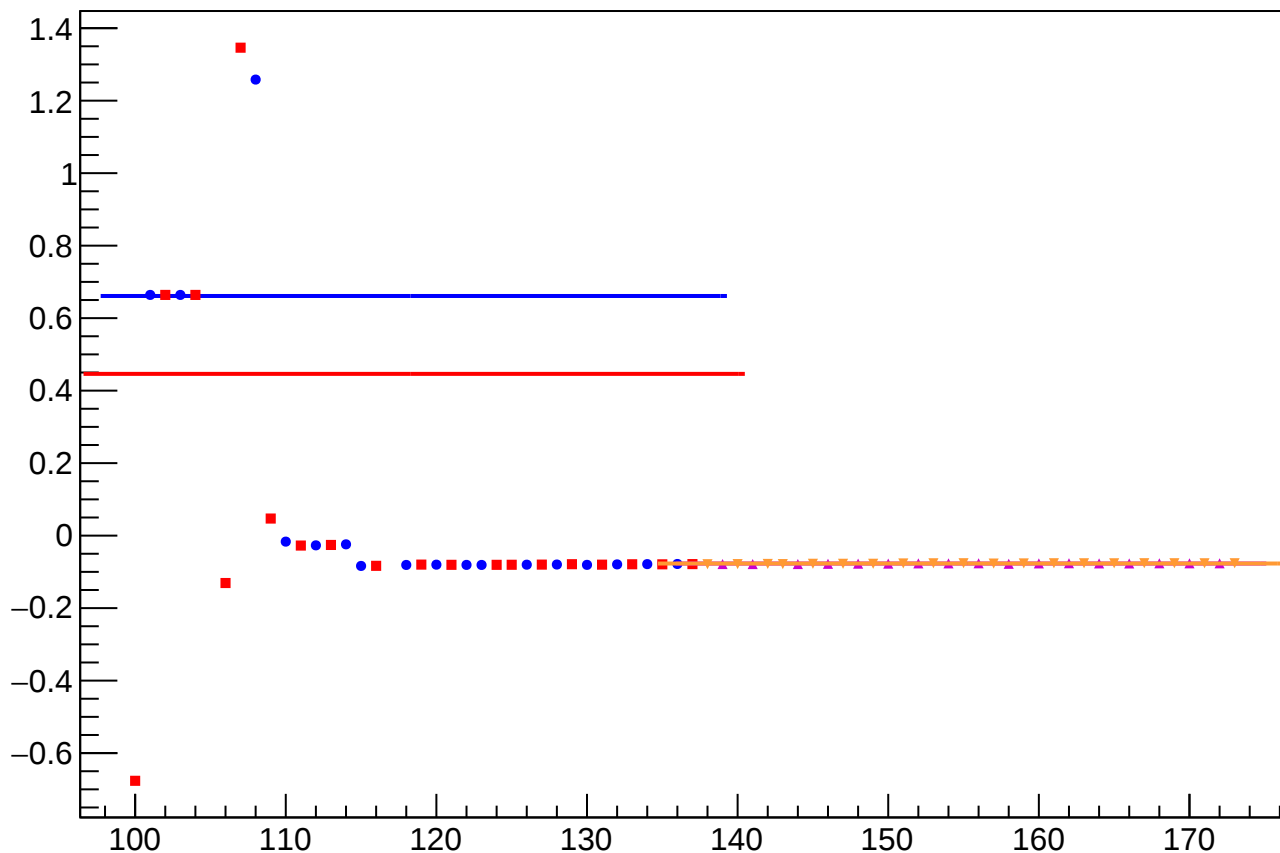
Left In: 0.009+/-0.000 χ^2/NDF : 556690.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 30486008.0/35

All: 0.000+/-0.000 χ^2/NDF : 60069022.2/71

- sign 0.000+/-0.000 χ^2/NDF : 29579352.7/35

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5678332616622.1/16

Left Out: -0.077 $\pm$ 0.000 χ^2 /NDF: 35172538.0/18

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405428604683882.5/18

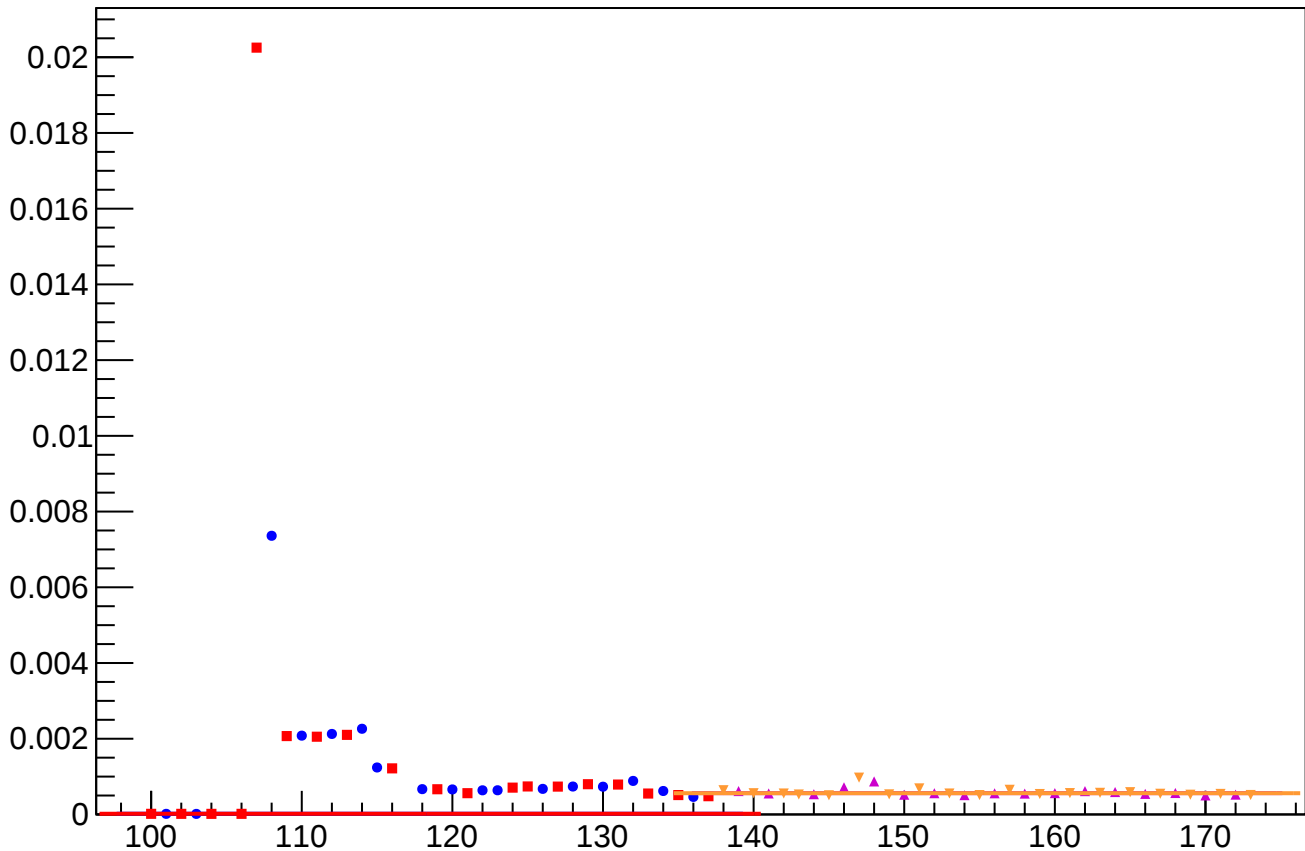
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 24341452.6/16

+ sign 0.649 $\pm$ 0.000 χ^2 /NDF: 28603553384868.1/3

All: 0.540 $\pm$ 0.000 χ^2 /NDF: 5057415779774.7

- sign 0.439 $\pm$ 0.000 χ^2 /NDF: 416084175599812.7

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

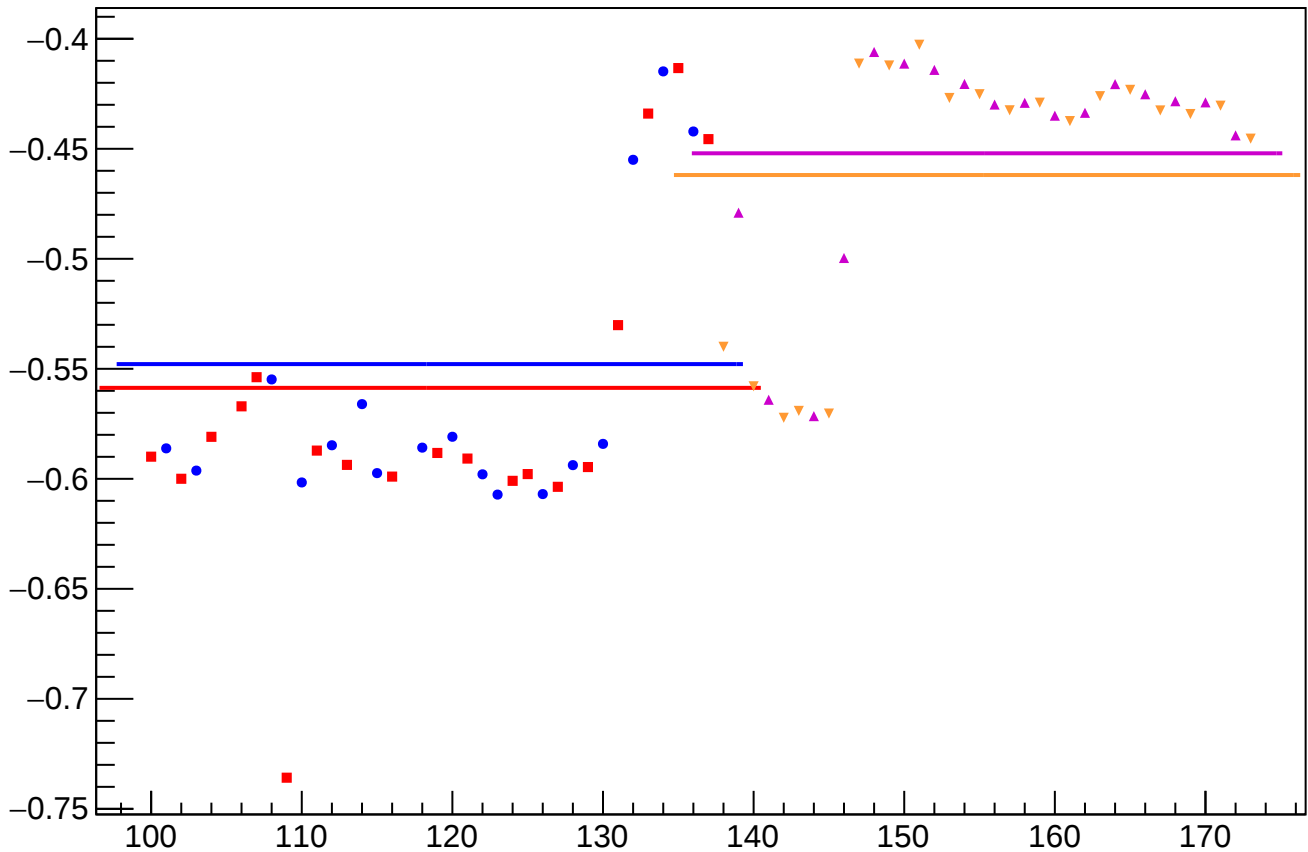
Left In: 0.001+/-0.000 χ^2/NDF : 351530.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 35228562.2/35

All: 0.000+/-0.000 χ^2/NDF : 68234539.3/71

- sign 0.000+/-0.000 χ^2/NDF : 33000525.1/35

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

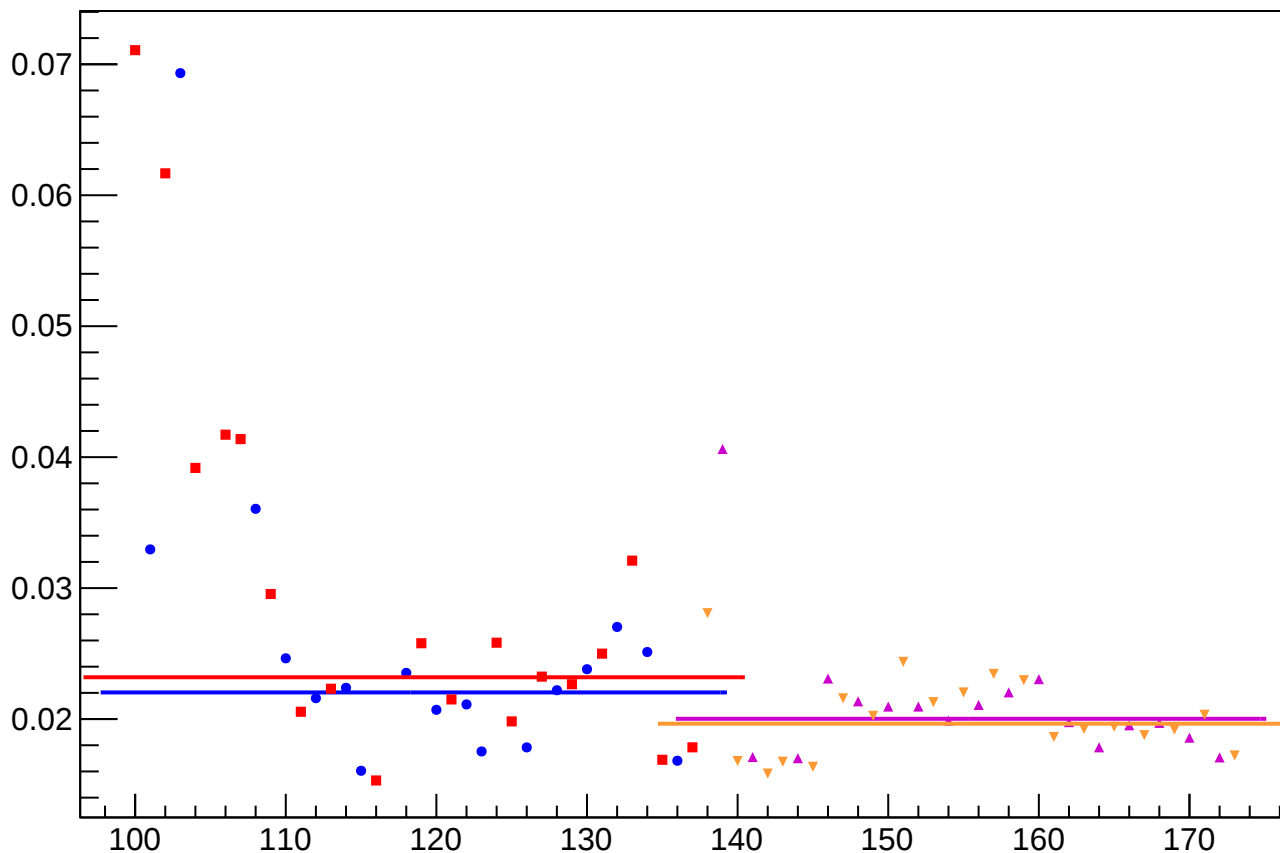
Left In: -0.452+/-0.000 χ^2/NDF : 75219193.1/16

+ sign -0.485+/-0.000 χ^2/NDF : 212043296.3/35

All: -0.483+/-0.000 χ^2/NDF : 434963963.2/71

- sign -0.481+/-0.000 χ^2/NDF : 222708299.4/35

yield_bpm4aX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 958966.6/16

Left Out: 0.020 ± 0.000 χ^2/NDF : 424900.0/18

Right Out: 0.023 ± 0.000 χ^2/NDF : 1156989.7/18

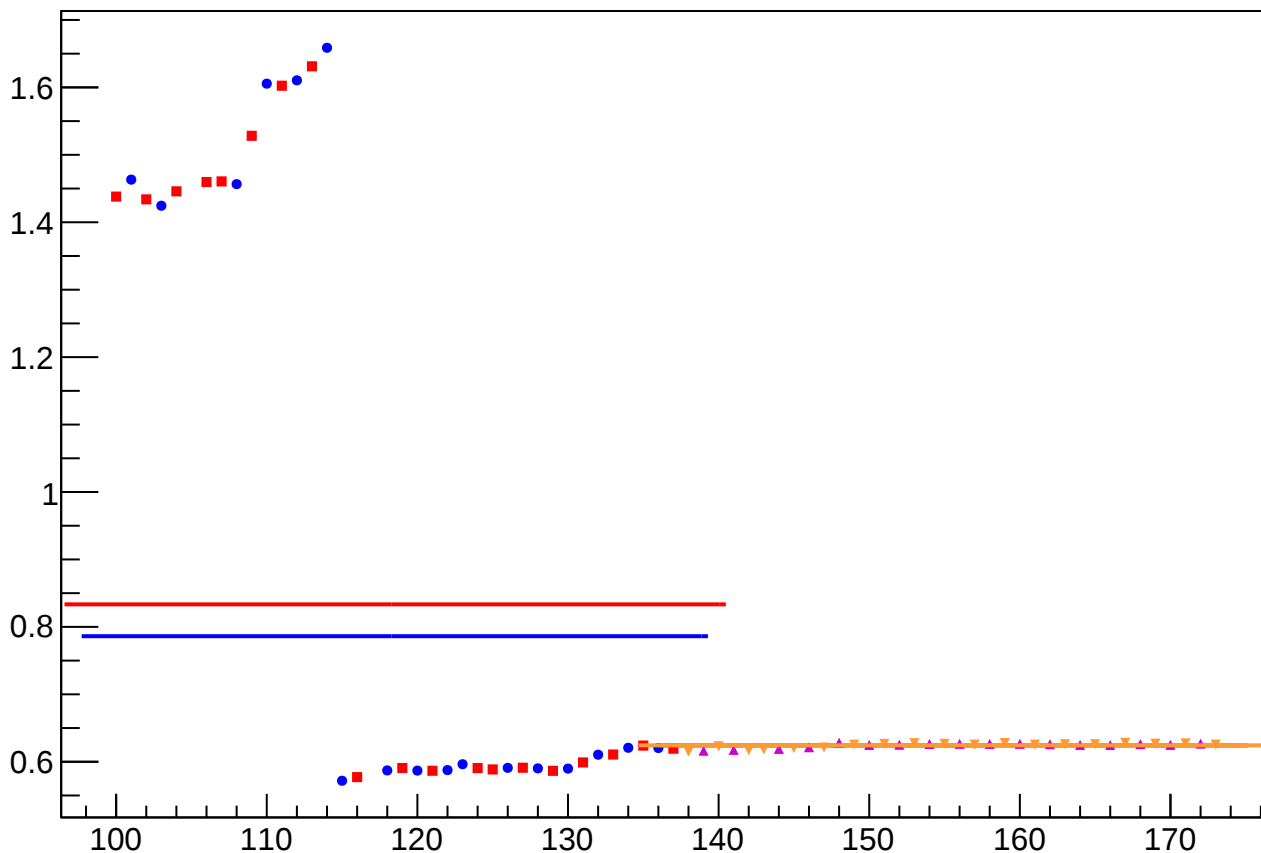
Left In: 0.020 ± 0.000 χ^2/NDF : 547578.8/16

+ sign 0.020 ± 0.000 χ^2/NDF : 1472154.2/35

All: 0.021 ± 0.000 χ^2/NDF : 3335917.9/71

- sign 0.021 ± 0.000 χ^2/NDF : 1849449.4/35

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

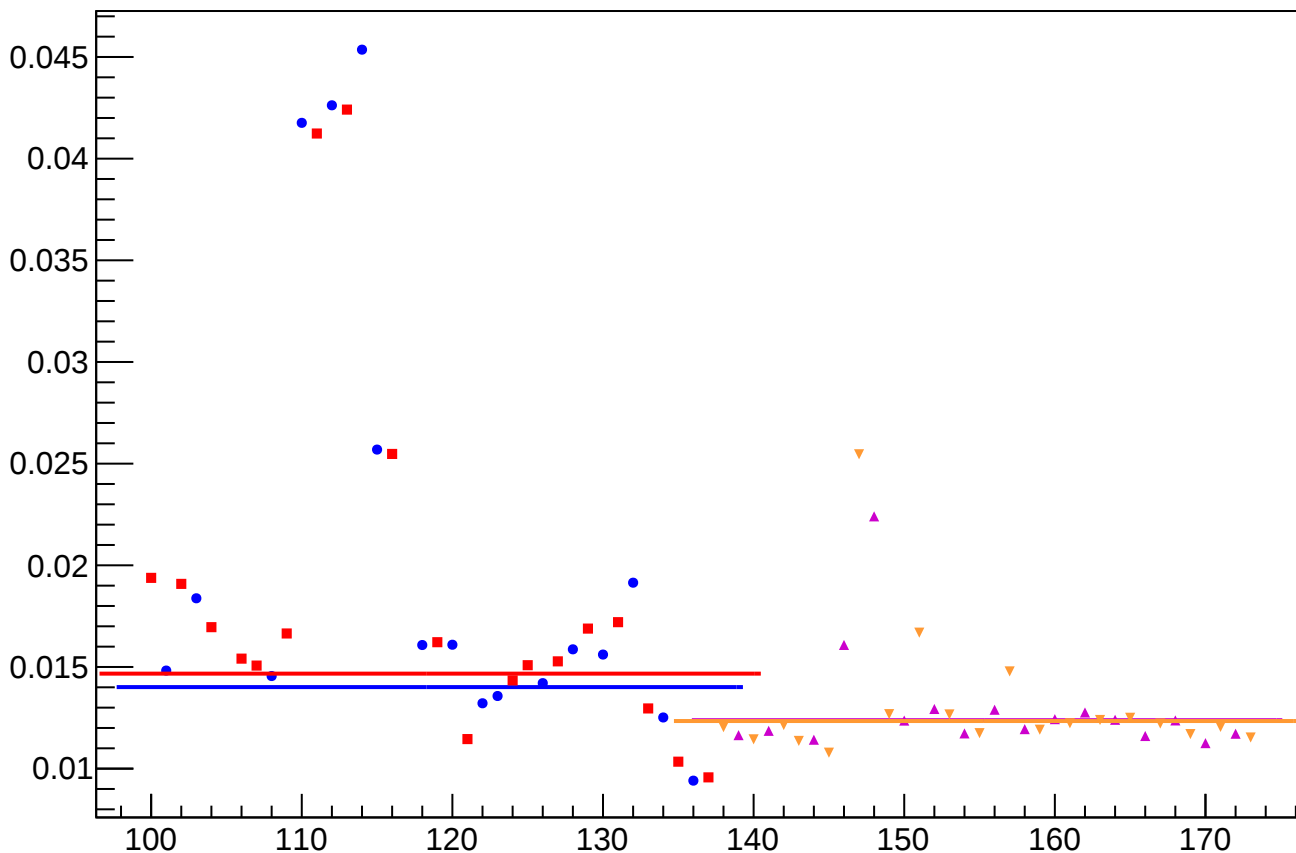
Left In: 0.624 $\pm$ 0.000 χ^2/NDF : 967896.7/16

+ sign 0.664 $\pm$ 0.000 χ^2/NDF : 4162350508.0/35

All: 0.670 $\pm$ 0.000 χ^2/NDF : 9242694839.3/71

- sign 0.677 $\pm$ 0.000 χ^2/NDF : 5070701371.9/35

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

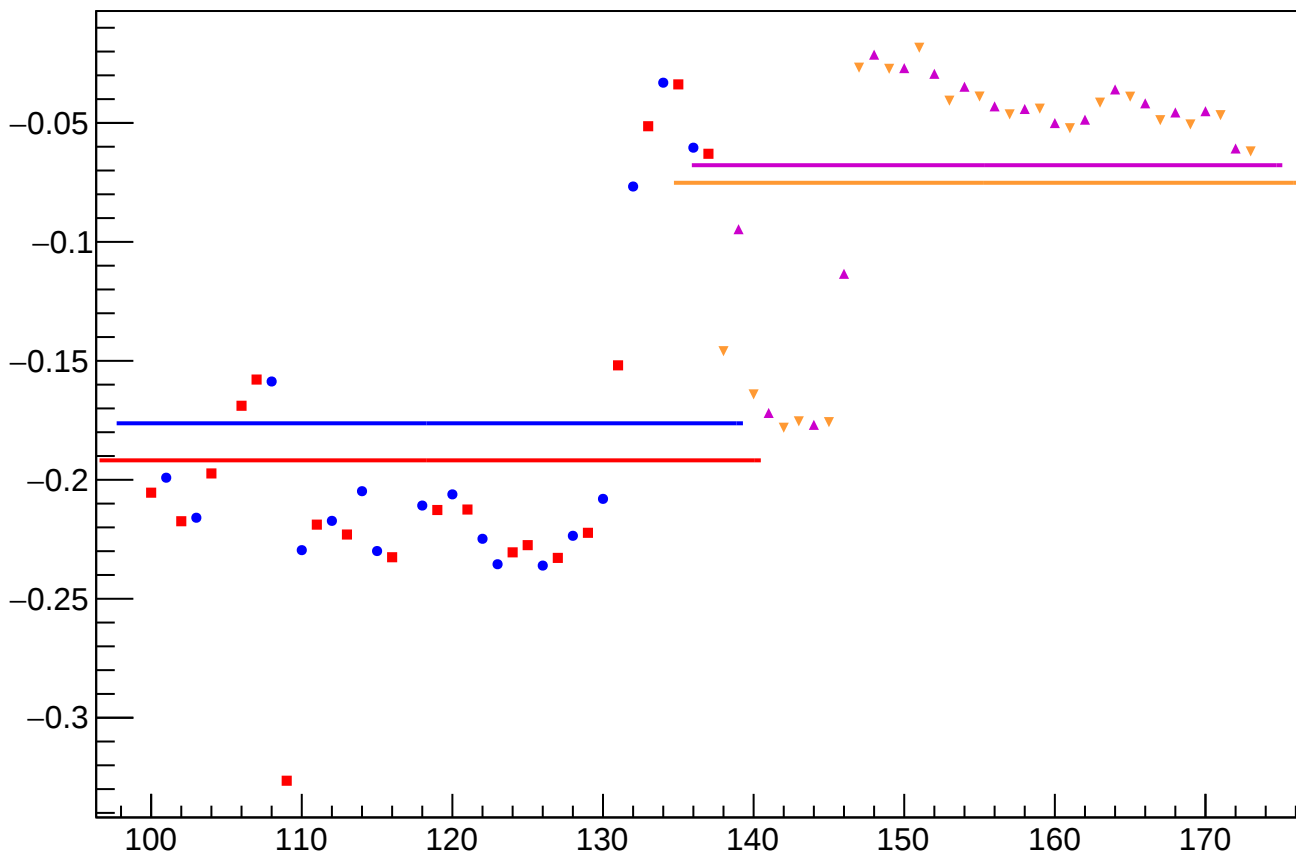
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:440449.5/16

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2130997.9/35

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4058394.8/71

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1922299.4/35

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

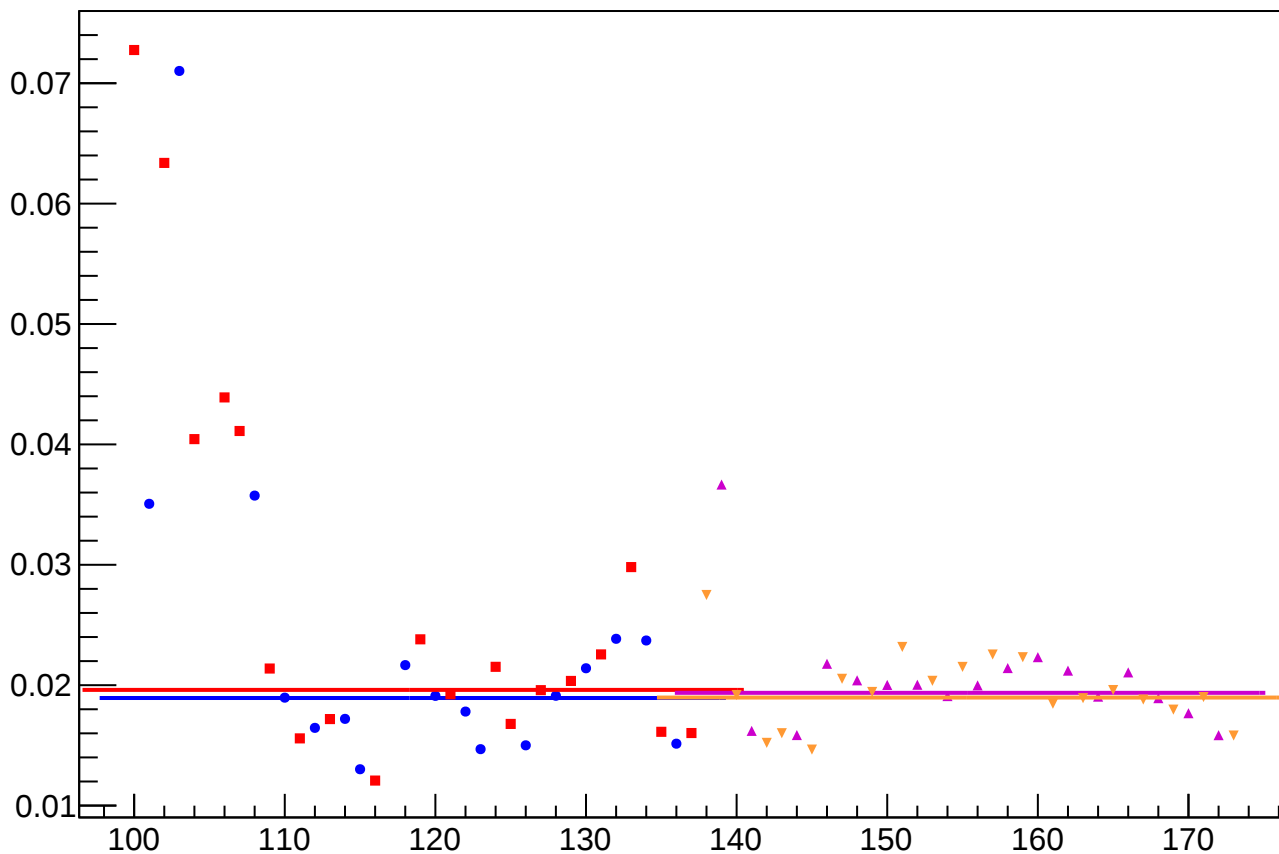
Left In: -0.068+/-0.000 χ^2/NDF : 75579899.4/16

+ sign -0.106+/-0.000 χ^2/NDF : 270517920.3/35

All: -0.107+/-0.000 χ^2/NDF : 570753099.3/71

- sign -0.108+/-0.000 χ^2/NDF : 300165086.4/35

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 476856.8/18

Right Out: 0.020+/-0.000 χ^2/NDF : 1457660.9/18

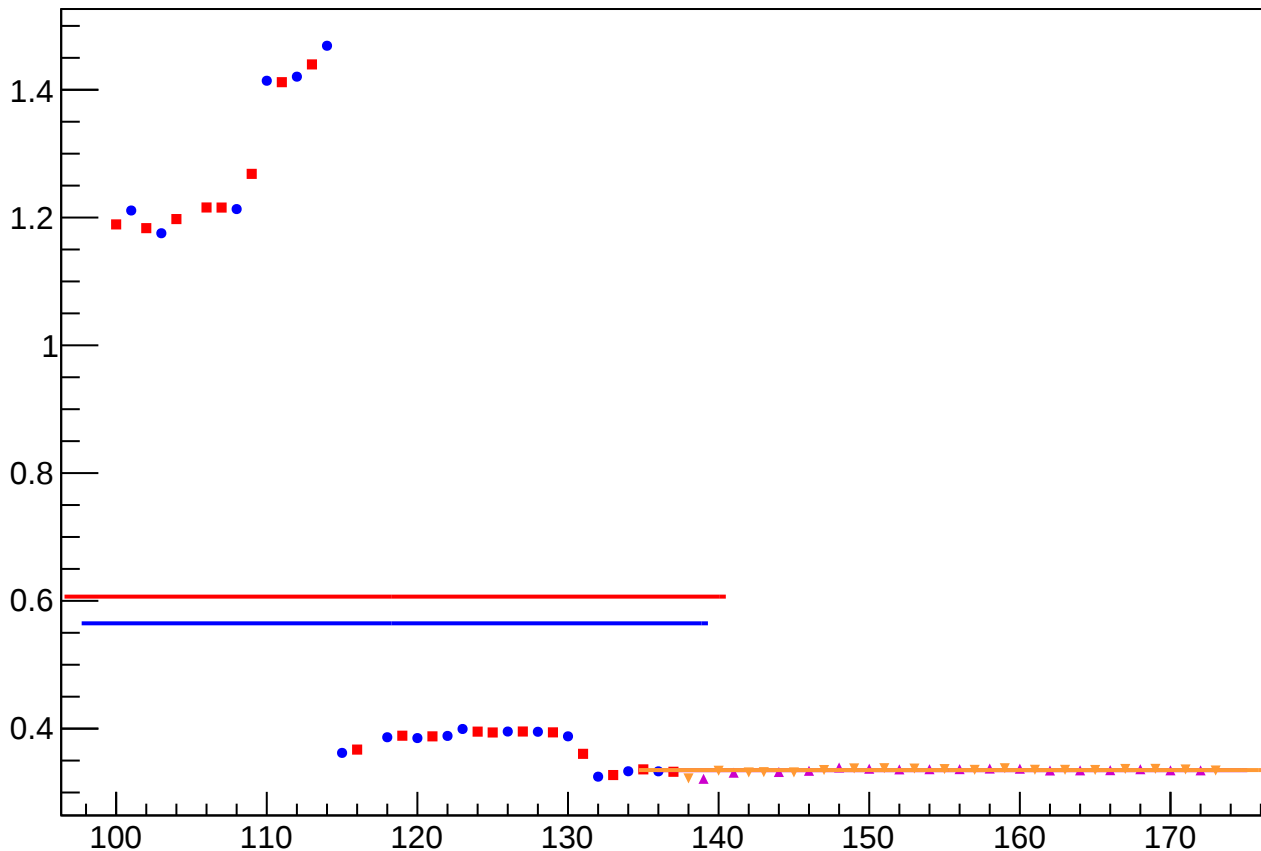
Left In: 0.019+/-0.000 χ^2/NDF : 550084.5/16

+ sign 0.019+/-0.000 χ^2/NDF : 1682741.8/35

All: 0.019+/-0.000 χ^2/NDF : 3701759.0/71

- sign 0.019+/-0.000 χ^2/NDF : 2008838.9/35

yield_bpm4eY_mean vs Slug



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.335+/-0.000 χ^2/NDF :1134343.5/18

Right Out: 0.607+/-0.000 χ^2/NDF : 5513752213.8/18

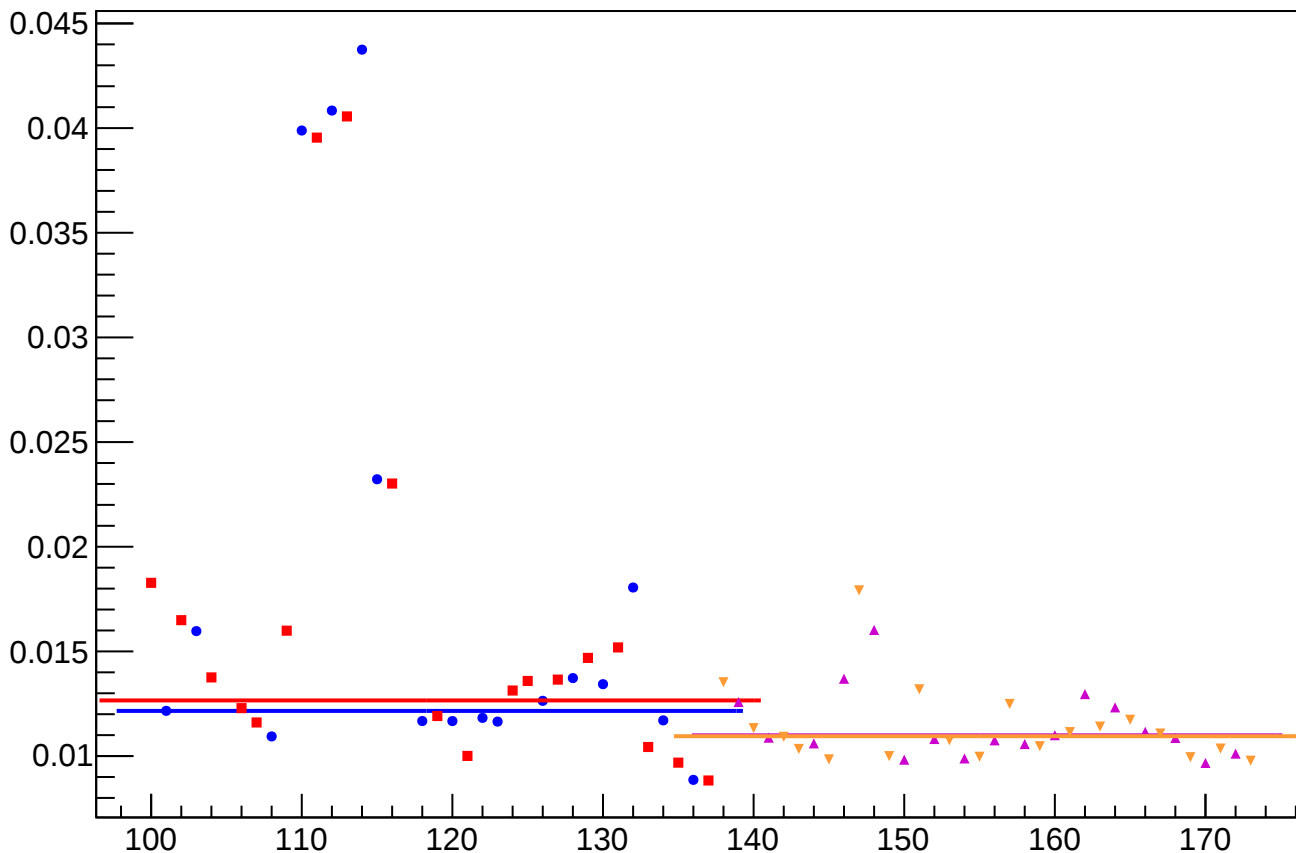
Left In: 0.335+/-0.000 χ^2/NDF :1171758.5/16

+ sign 0.394+/-0.000 χ^2/NDF : 6540256040.0/35

All: 0.400+/-0.000 χ^2/NDF : 14070263657.8/70

- sign 0.406+/-0.000 χ^2/NDF : 7518594591.1/35

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

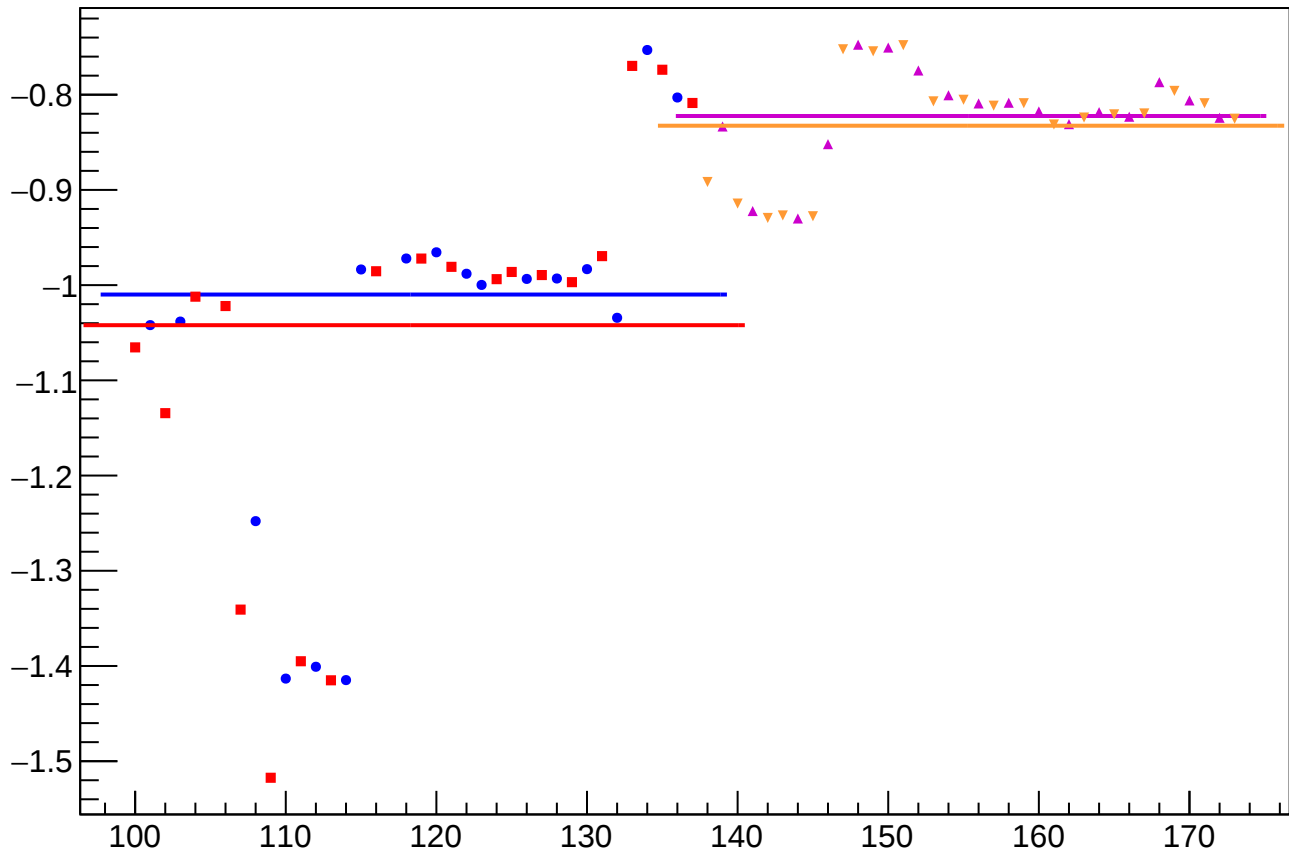
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 368049.1/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1843540.2/35

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3637500.9/71

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1789679.6/35

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

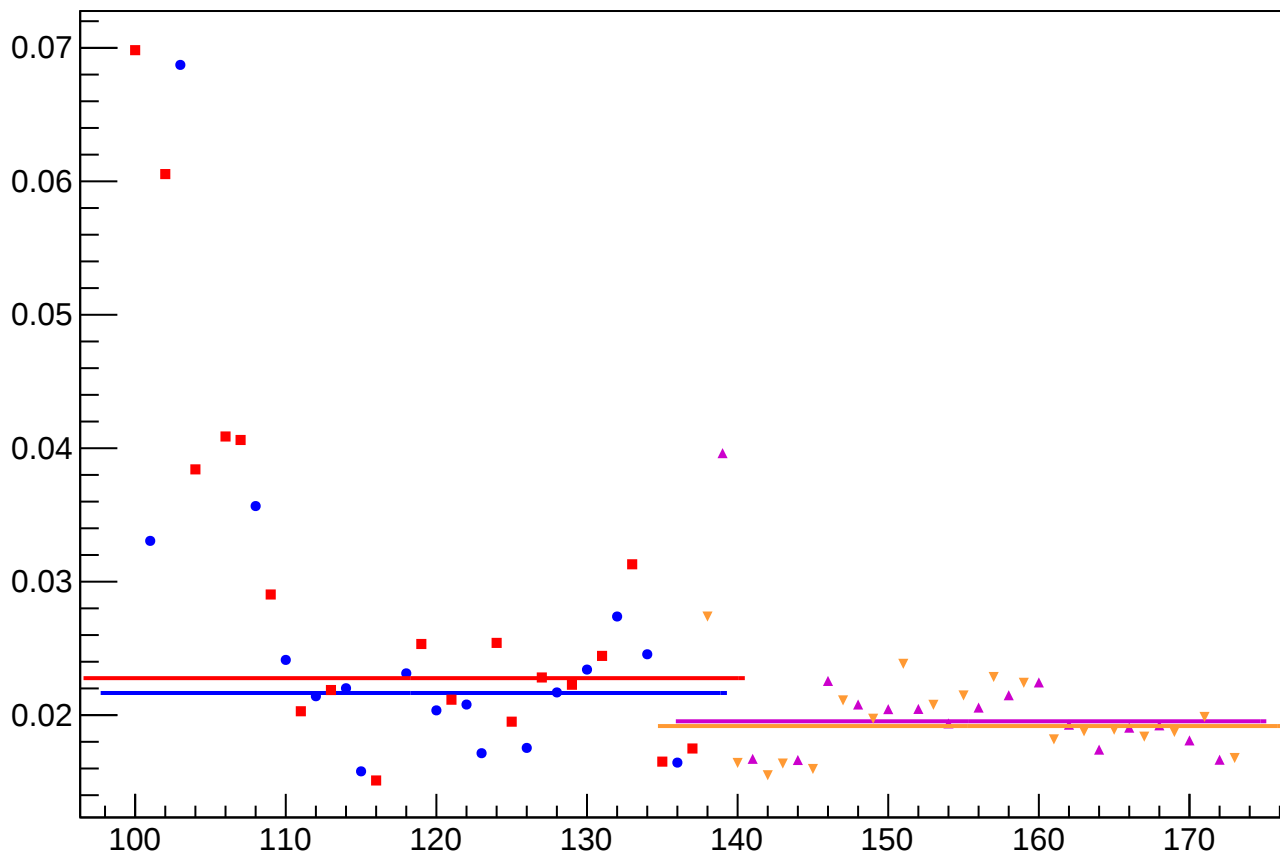
Left In: -0.822 ± 0.000 χ^2/NDF : 73592597.4/16

+ sign -0.879 ± 0.000 χ^2/NDF : 737737941.7/35

All: -0.880 ± 0.000 χ^2/NDF : 1702685681.3/7

- sign -0.882 ± 0.000 χ^2/NDF : 964757776.7/35

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

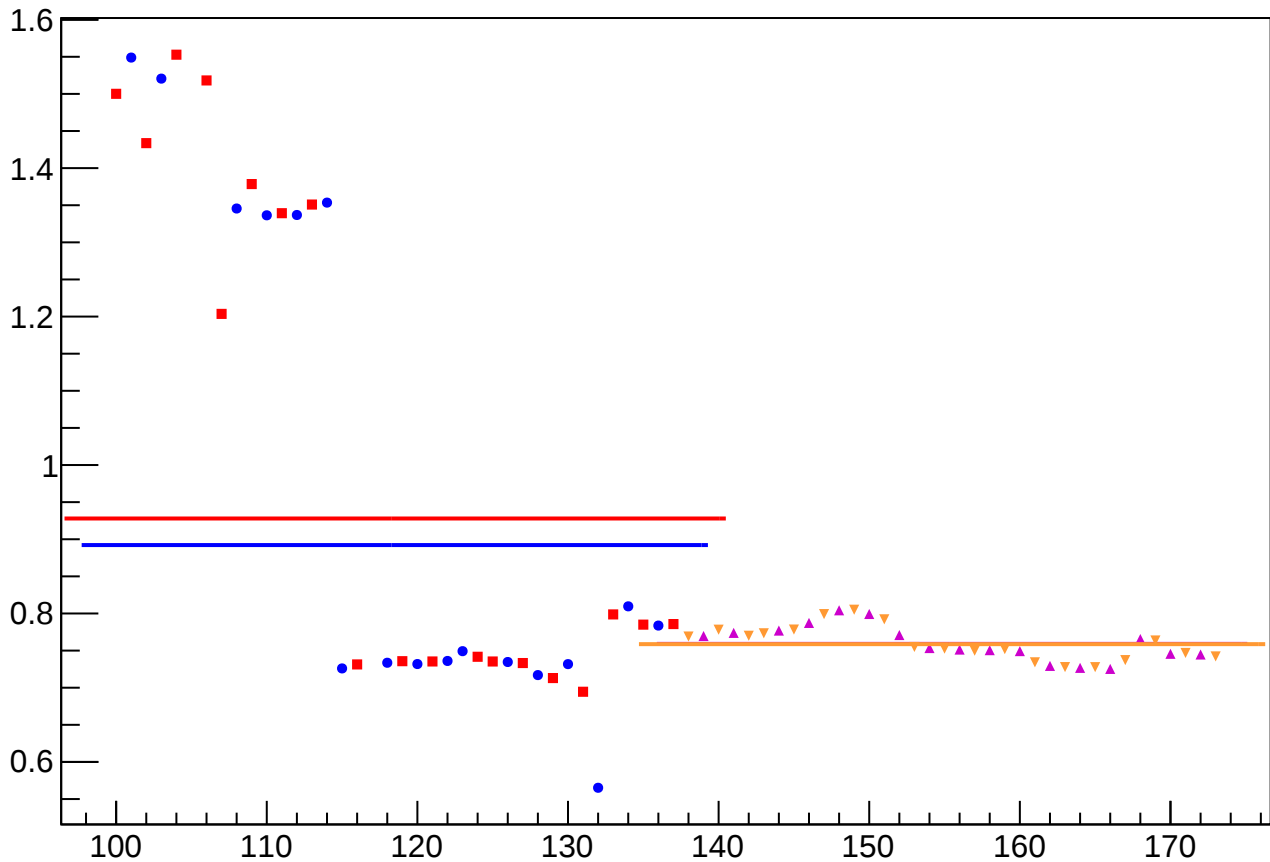
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:545010.5/16

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1505374.9/35

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3372973.6/71

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1853909.0/35

yield_bpm4acY_mean vs Slug



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.759+/-0.000 χ^2/NDF :38631092.4/18

Right Out: 0.928+/-0.000 χ^2/NDF : 2437542089.2/18

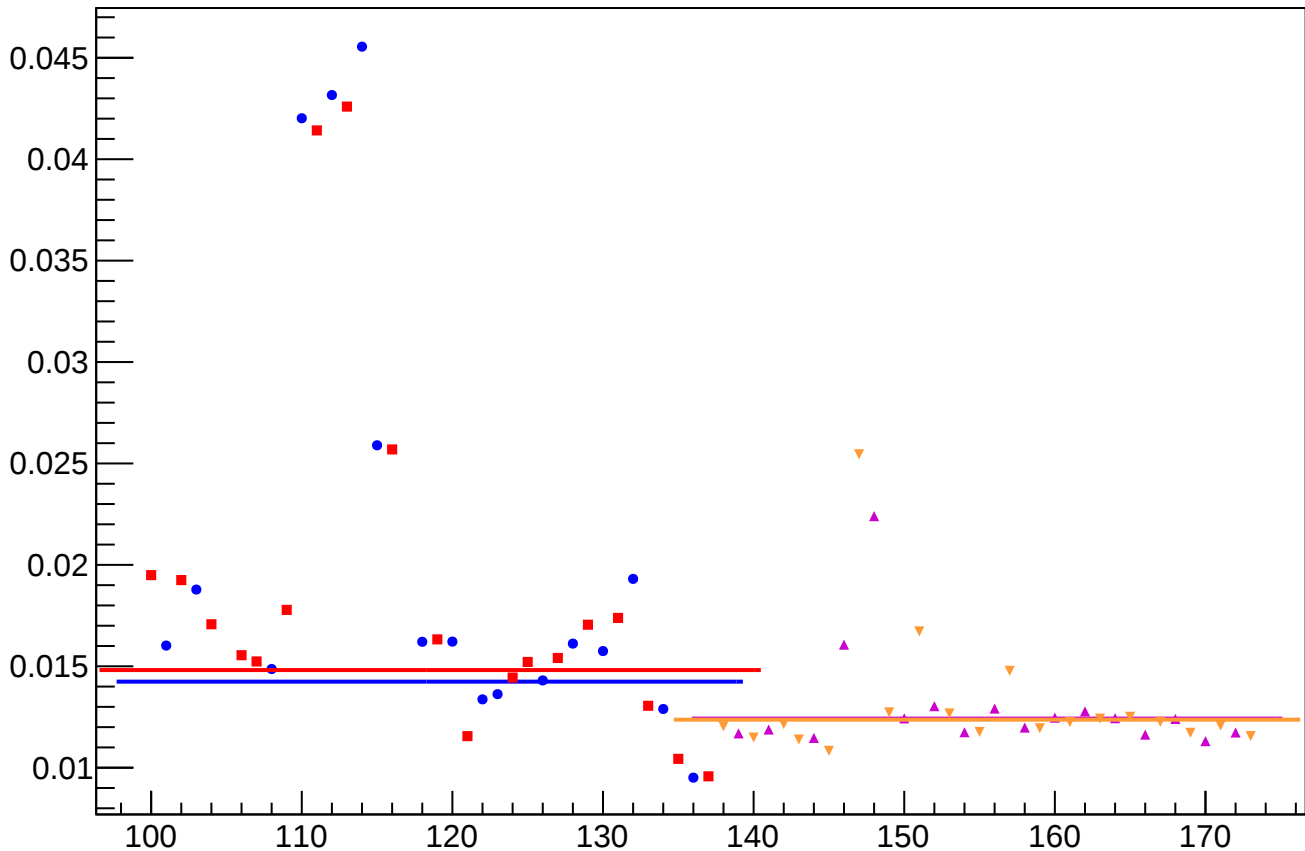
Left In: 0.759+/-0.000 χ^2/NDF :34998553.0/16

+ sign 0.791+/-0.000 χ^2/NDF : 2829365670.4/35

All: 0.796+/-0.000 χ^2/NDF : 5891919102.3/71

- sign 0.801+/-0.000 χ^2/NDF : 3056204259.8/35

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

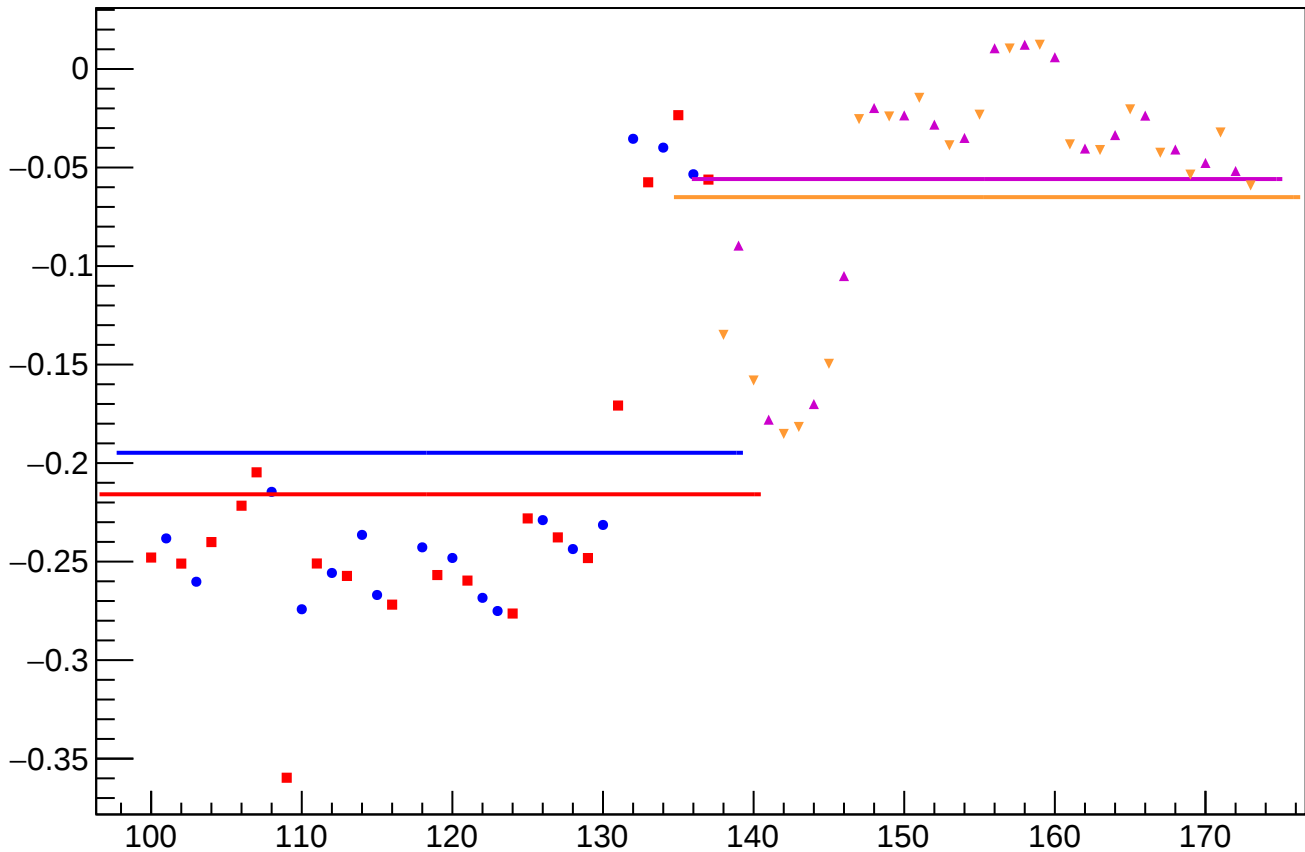
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:435988.2/16

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2164413.1/35

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4113411.5/71

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1944400.6/35

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

+ sign -0.104+/-0.000 χ^2/NDF : 386278849.0/35

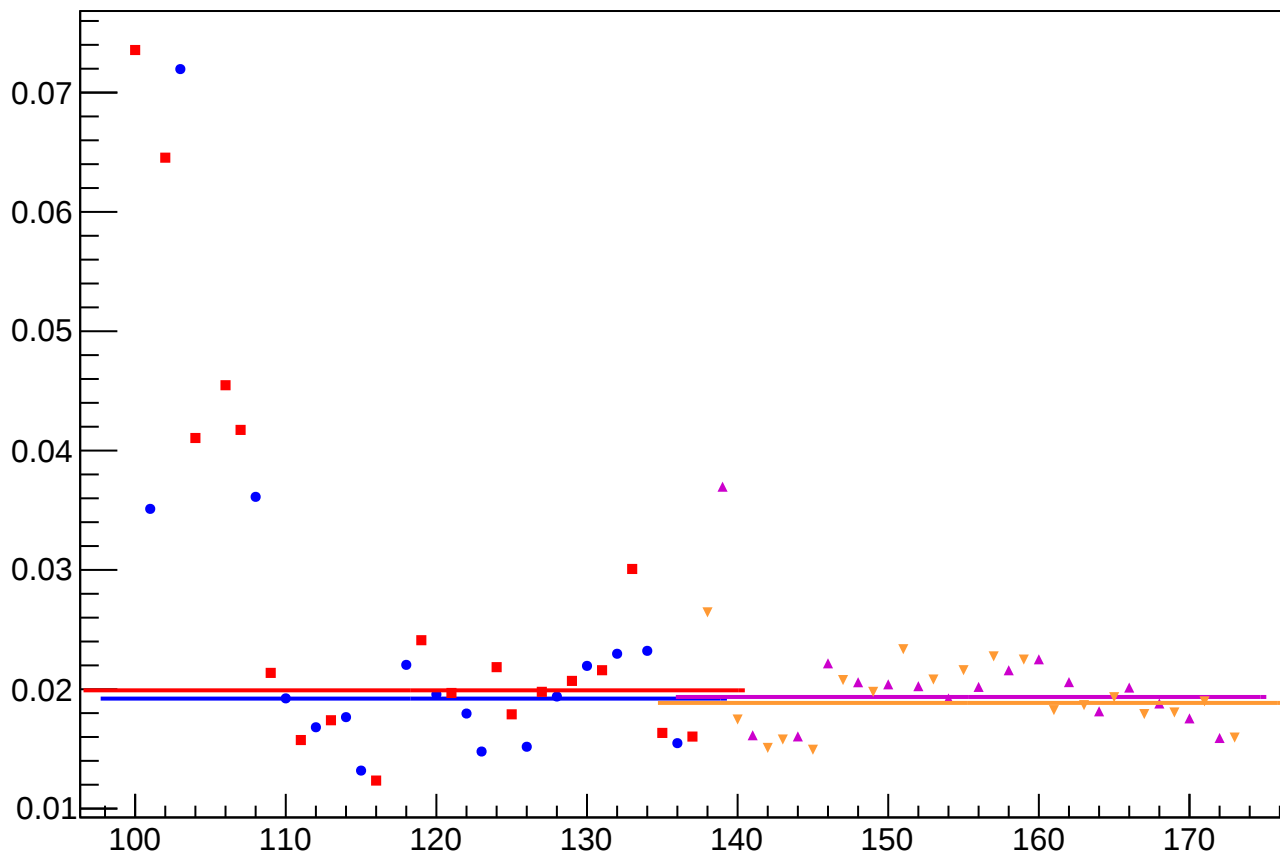
Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

All: -0.105+/-0.000 χ^2/NDF : 824616918.2/71

- sign -0.107+/-0.000 χ^2/NDF : 438162751.3/35

Left In: -0.056+/-0.000 χ^2/NDF : 97434804.8/16

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1177085.4/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 474190.9/18

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1446950.0/18

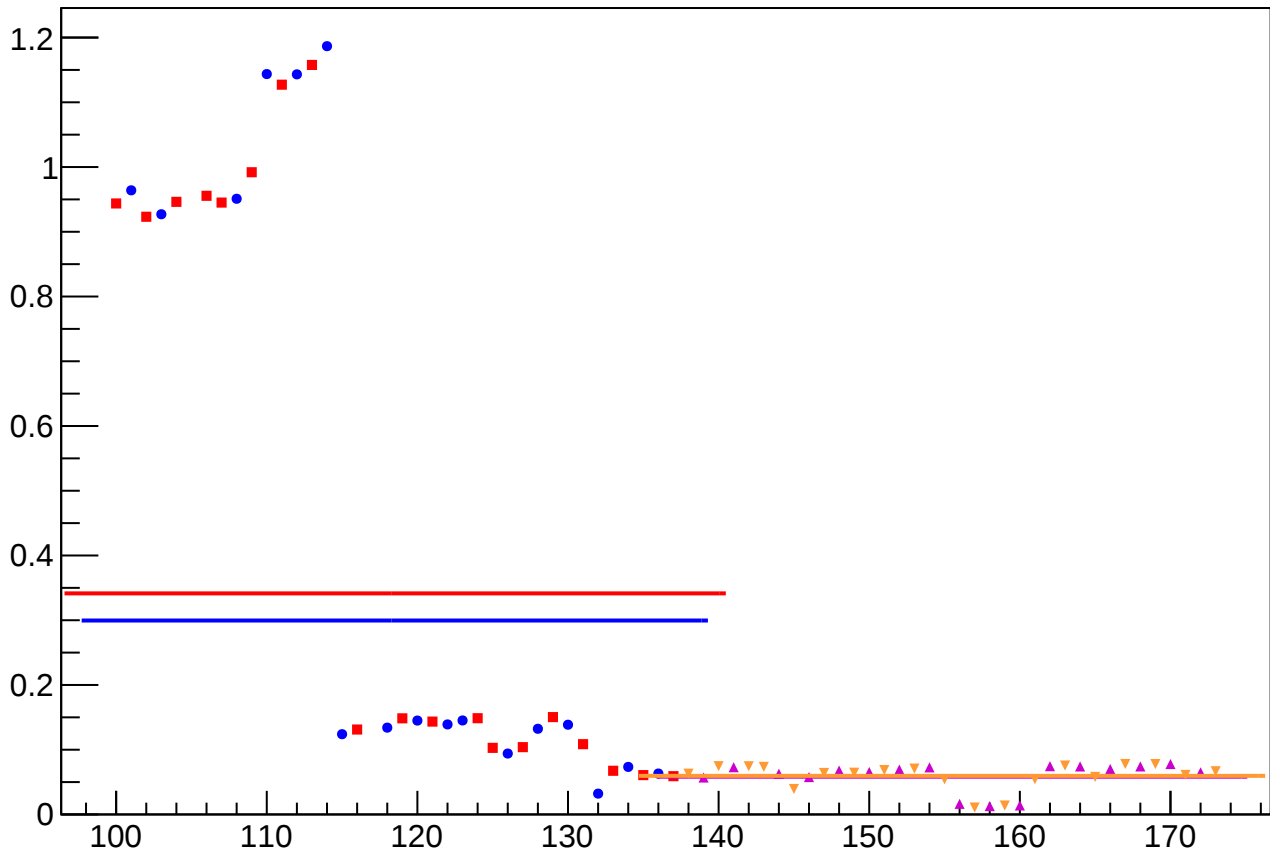
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 558070.3/16

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1653769.2/35

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3678239.8/71

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2010545.2/35

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

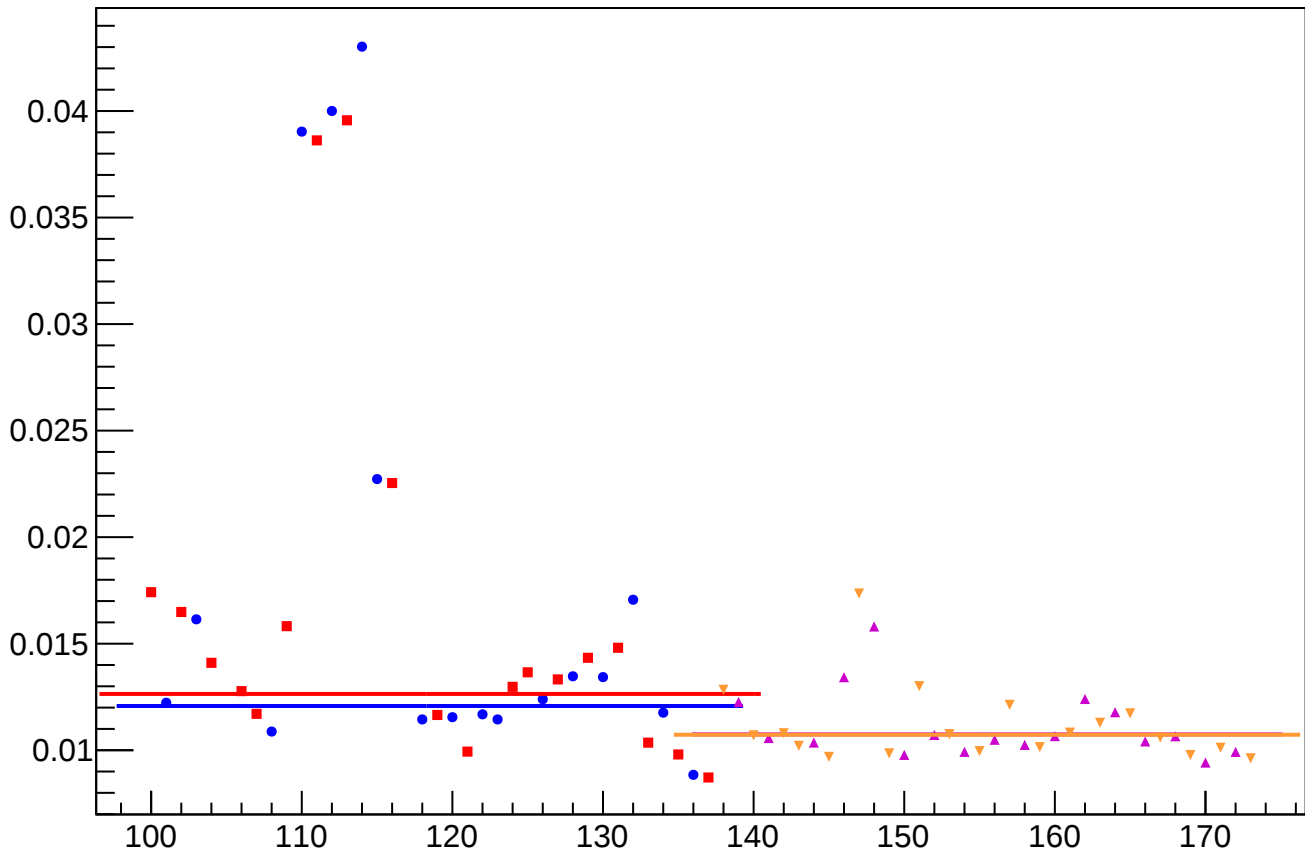
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF: 55148334.1/16

+ sign 0.119 $\pm$ 0.000 χ^2 /NDF: 6889702253.5/35

All: 0.125 $\pm$ 0.000 χ^2 /NDF: 14610045173.8/35

- sign 0.130 $\pm$ 0.000 χ^2 /NDF: 7711532392.8/35

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

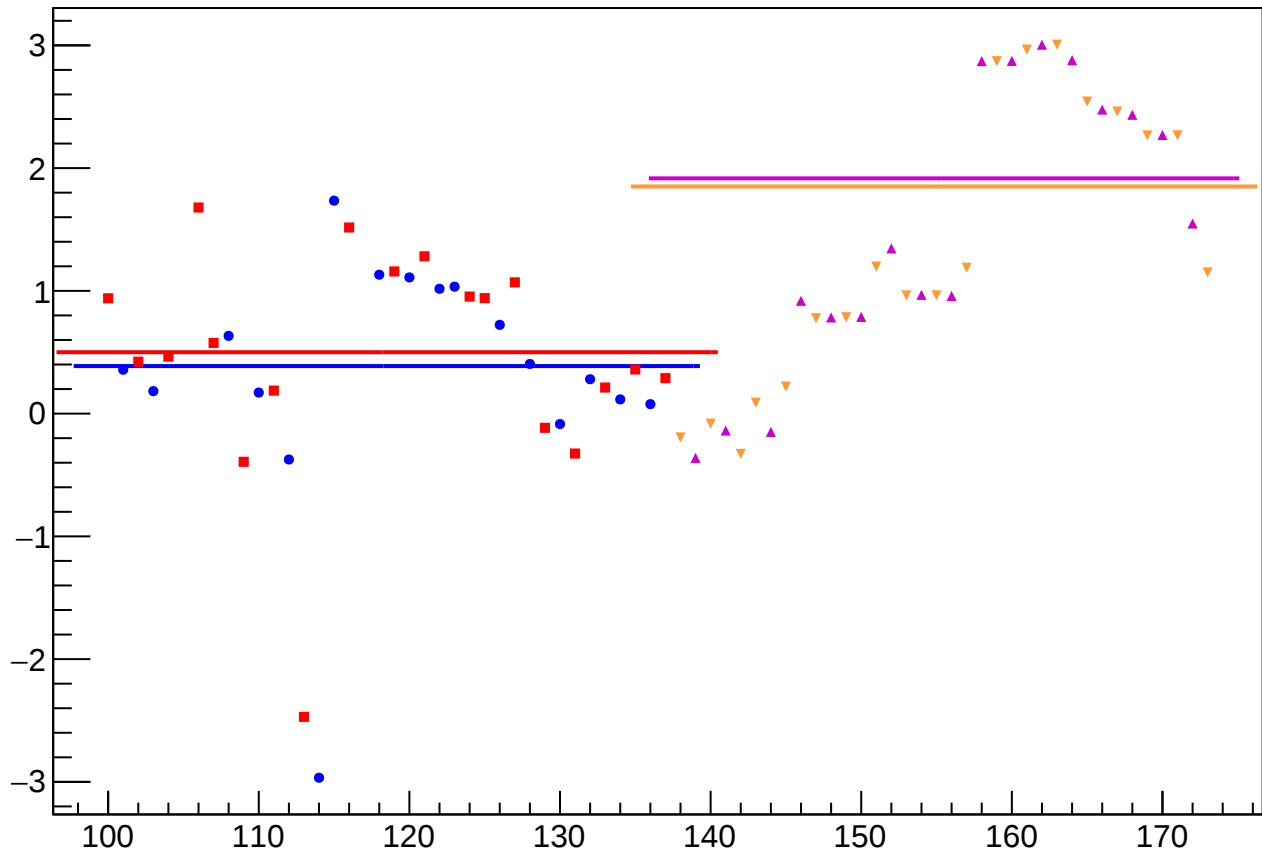
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:349148.0/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1808831.1/35

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3597956.1/71

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1785141.1/35

yield_bpm1X_mean vs Slug



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 247912593.5/16

Left Out: 1.850 $\pm$ 0.000 χ^2 /NDF: 28377005049.1/18

Right Out: 0.500 $\pm$ 0.000 χ^2 /NDF: 983360928.1/18

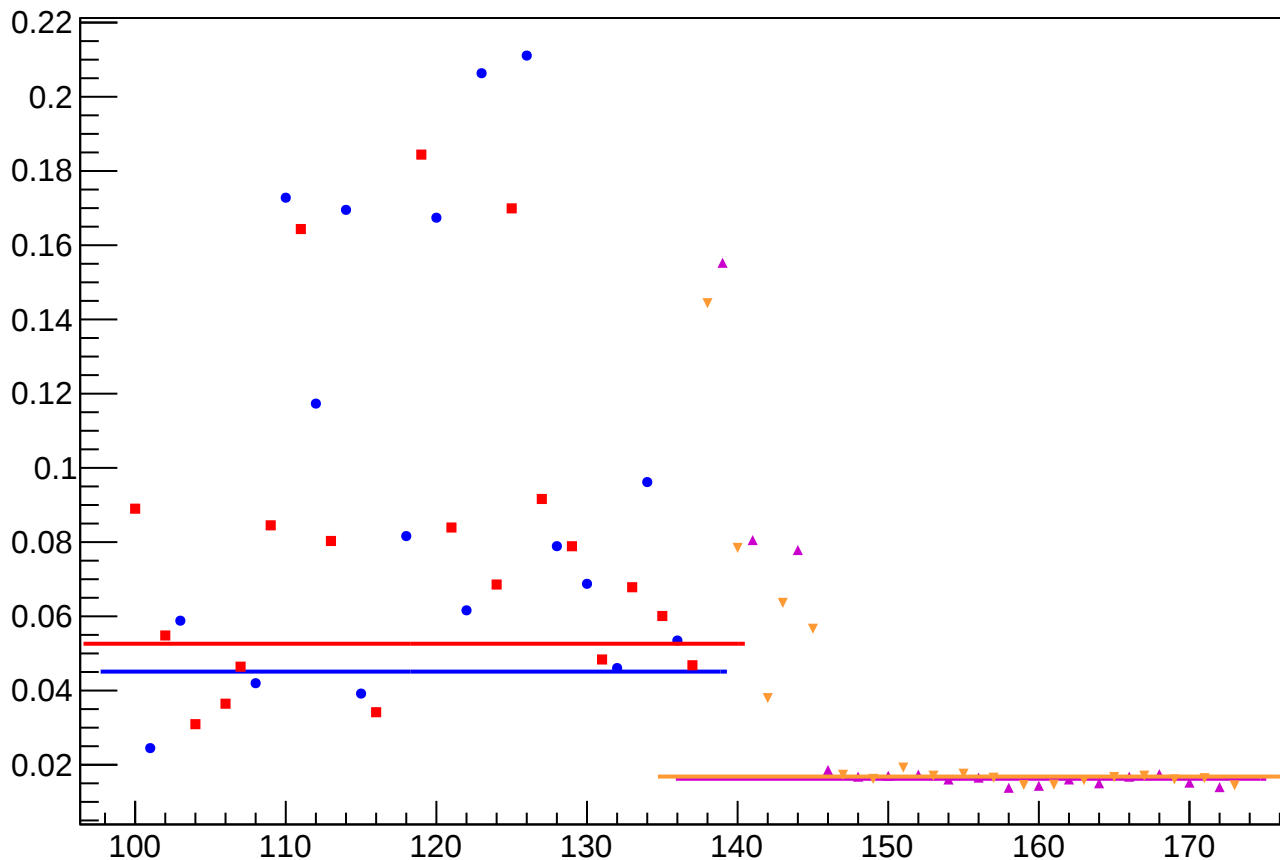
Left In: 1.917 $\pm$ 0.000 χ^2 /NDF: 28506159602.9/16

+ sign 1.783 $\pm$ 0.000 χ^2 /NDF: 32196842593.1/35

All: 1.822 $\pm$ 0.000 χ^2 /NDF: 64680911098.2/35

- sign 1.861 $\pm$ 0.000 χ^2 /NDF: 32367443354.3/35

yield_bpm1X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2846218.9/16

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2775094.8/18

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2190515.9/18

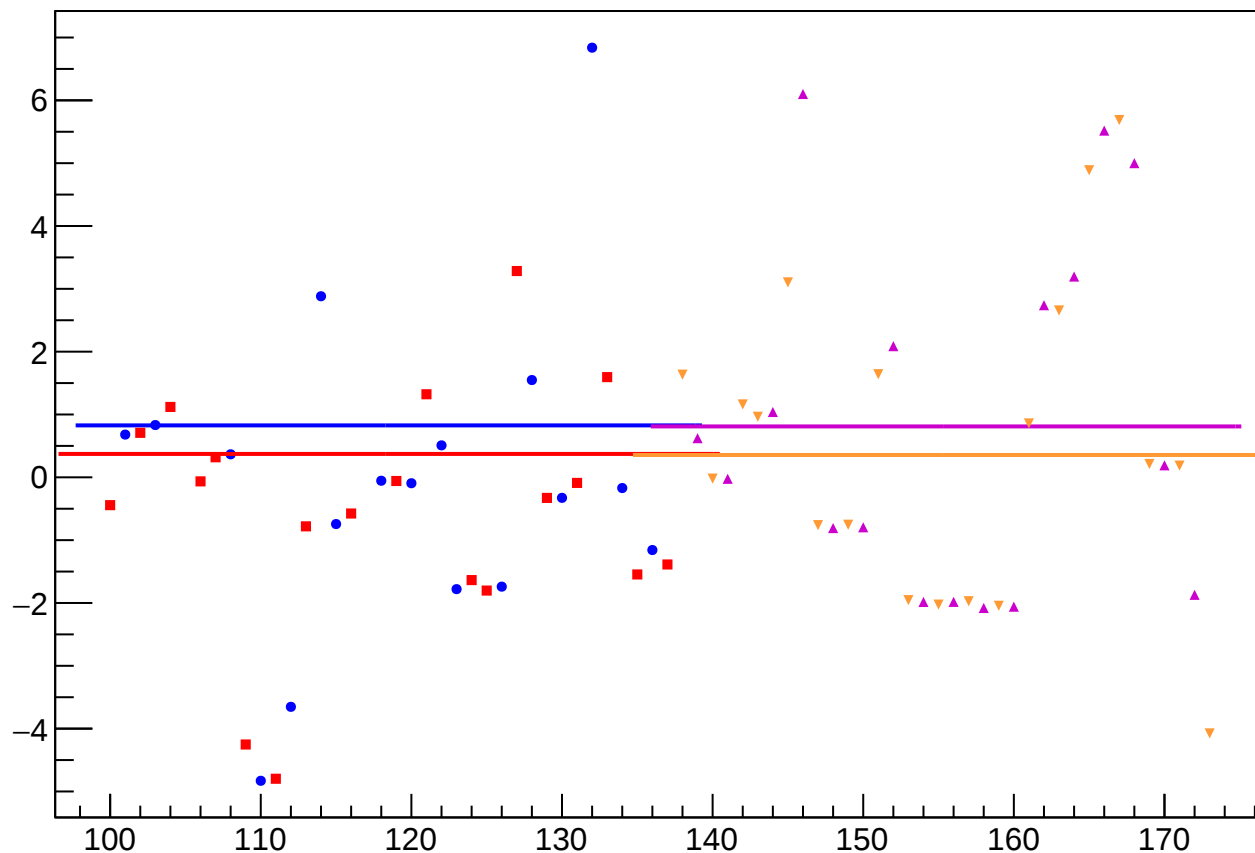
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2380551.9/16

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 8289452.2/35

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 16668255.8/71

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 8369980.4/35

yield_bpm1Y_mean vs Slug



Right In: 0.827 $\pm$ 0.000 χ^2 /NDF: 10936458870.4/16

Left Out: 0.356 $\pm$ 0.000 χ^2 /NDF: 466211013686.0/18

Right Out: 0.372 $\pm$ 0.000 χ^2 /NDF: 4972900338.2/18

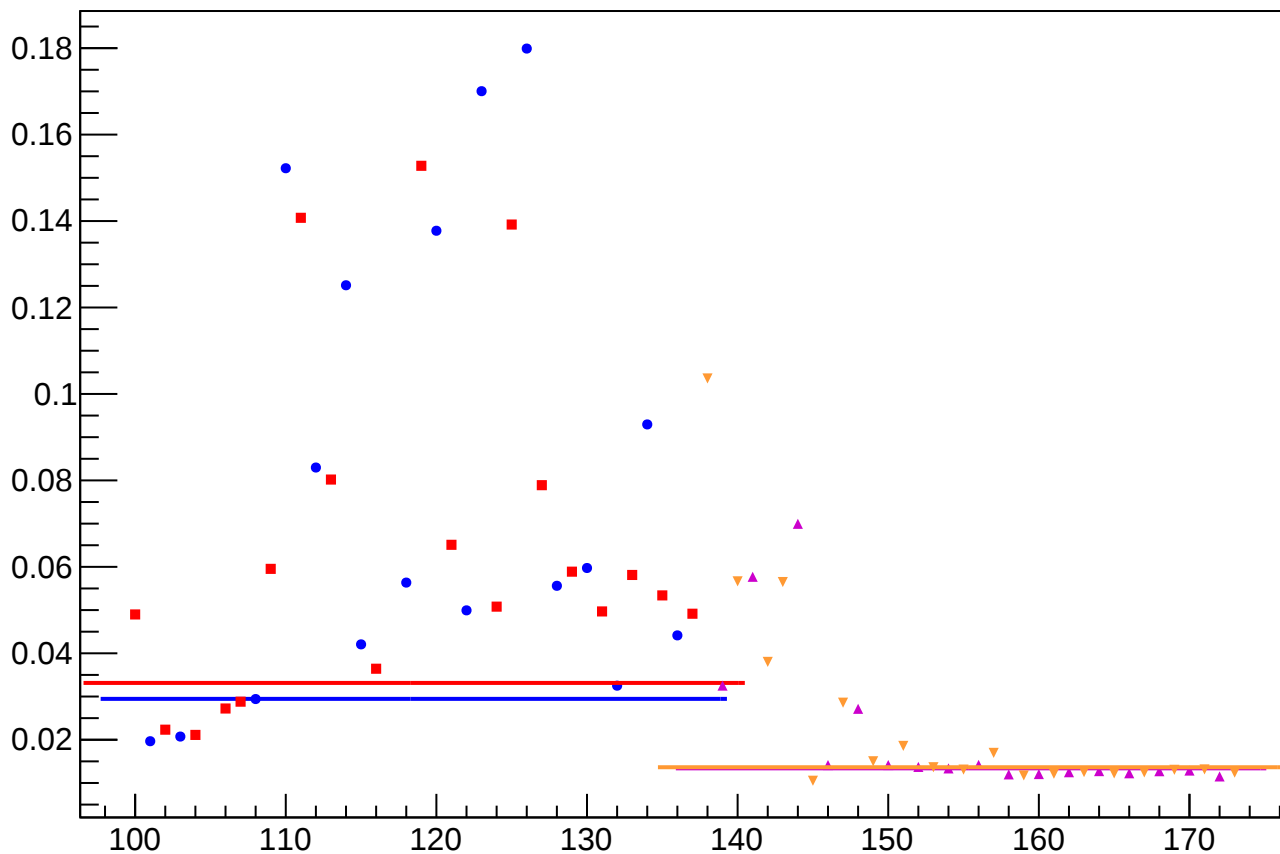
Left In: 0.810 $\pm$ 0.000 χ^2 /NDF: 517255122317.4/16

+ sign 0.385 $\pm$ 0.000 χ^2 /NDF: 477966159673.1/35

All: 0.584 $\pm$ 0.000 χ^2 /NDF: 1005901082736.

- sign 0.786 $\pm$ 0.000 χ^2 /NDF: 522861083212.1/35

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

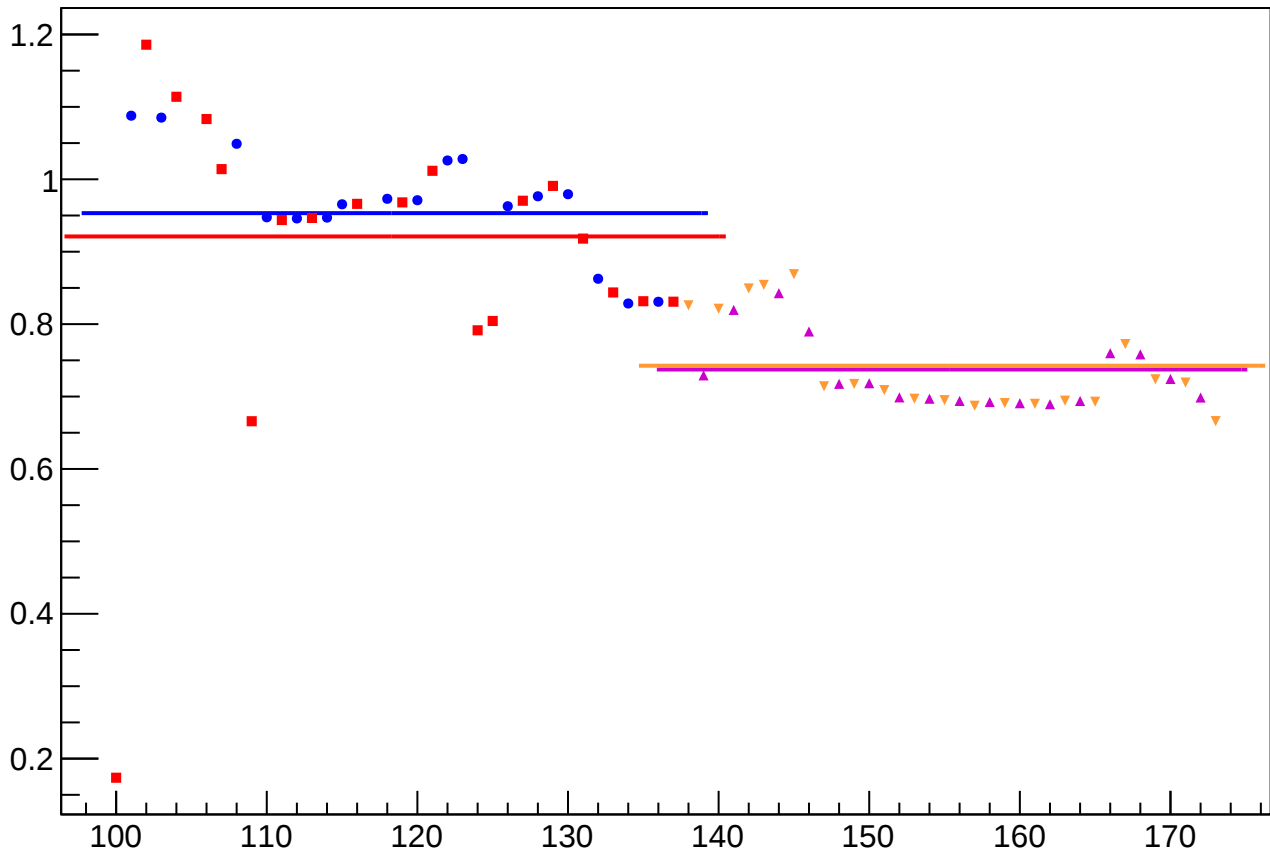
Left In: 0.013+/-0.000 χ^2/NDF :1911811.2/16

+ sign 0.015+/-0.000 χ^2/NDF : 7762320.9/35

All: 0.015+/-0.000 χ^2/NDF : 15353138.8/71

- sign 0.014+/-0.000 χ^2/NDF : 7589550.8/35

yield_bpm11X_mean vs Slug



Right In: 0.953 ± 0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.743 ± 0.000 χ^2/NDF : 289159120.0/18

+ sign 0.808 ± 0.000 χ^2/NDF : 1411124619.9/35

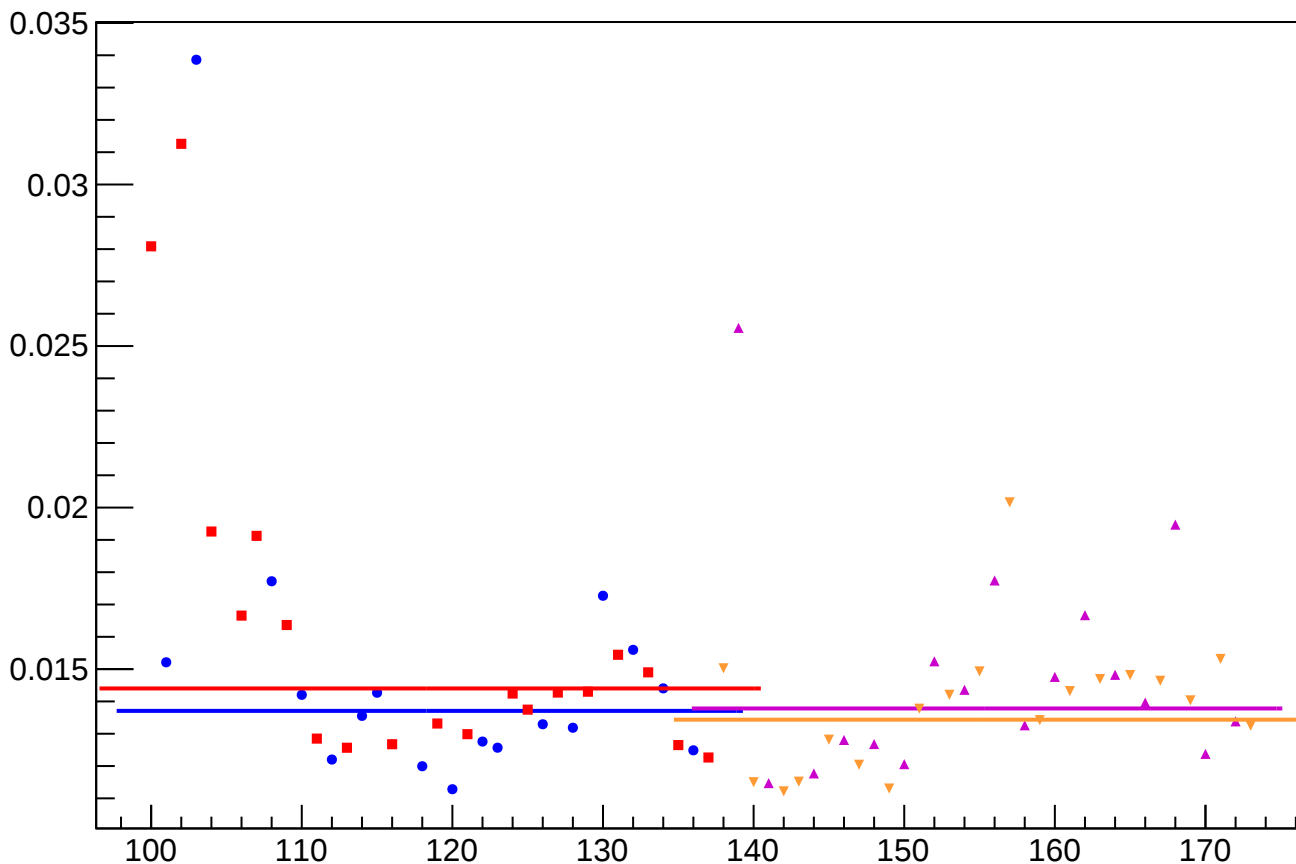
Right Out: 0.921 ± 0.000 χ^2/NDF : 374221279.1/18

All: 0.803 ± 0.000 χ^2/NDF : 2624856279.5/71

- sign 0.797 ± 0.000 χ^2/NDF : 1207742707.6/35

Left In: 0.737 ± 0.000 χ^2/NDF : 163568662.1/16

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 546317.6/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 393300.3/18

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

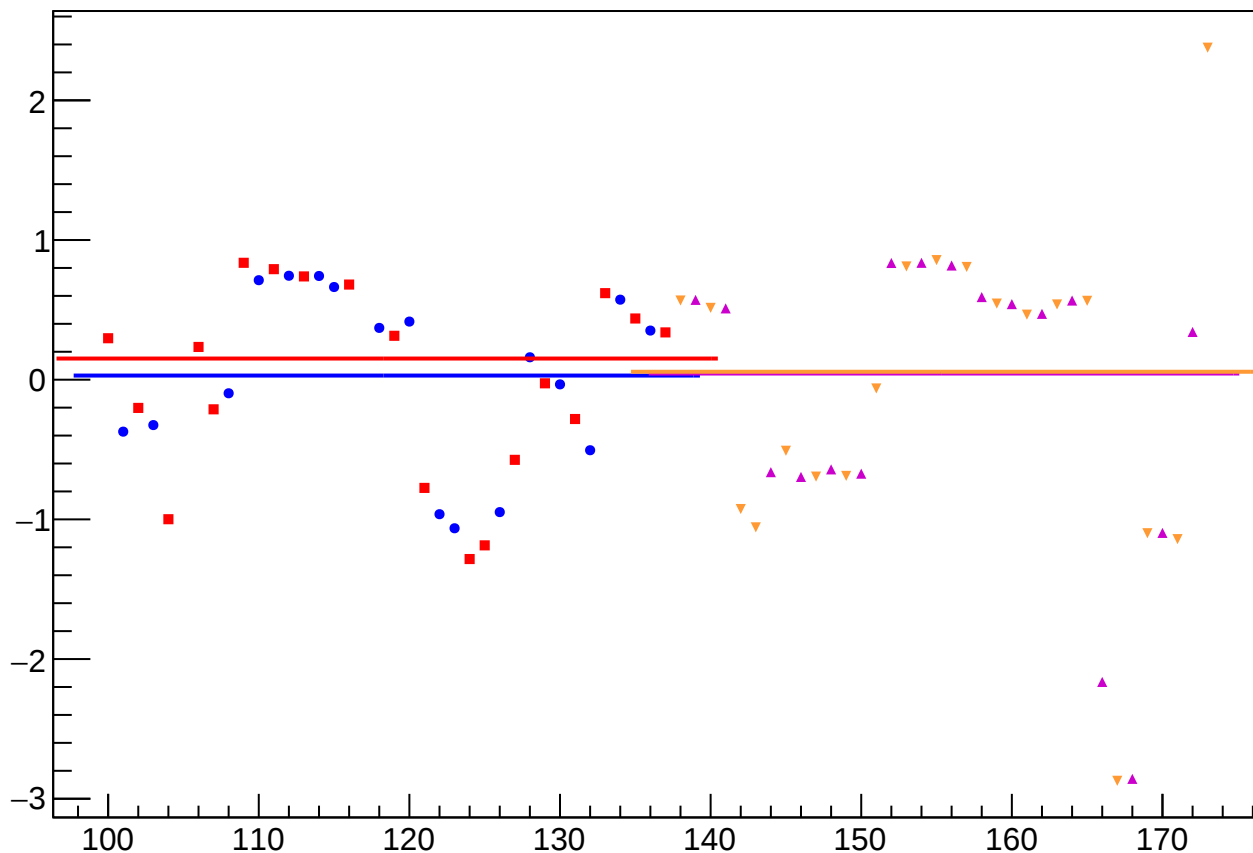
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 725621.4/16

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 942777.1/35

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2205719.8/71

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1242631.5/35

yield_bpm11Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 6294824795.0/16

Left Out: 0.057+/-0.000 χ^2/NDF : 94866219100.2/18

Right Out: 0.152+/-0.000 χ^2/NDF : 12661812059.7/18

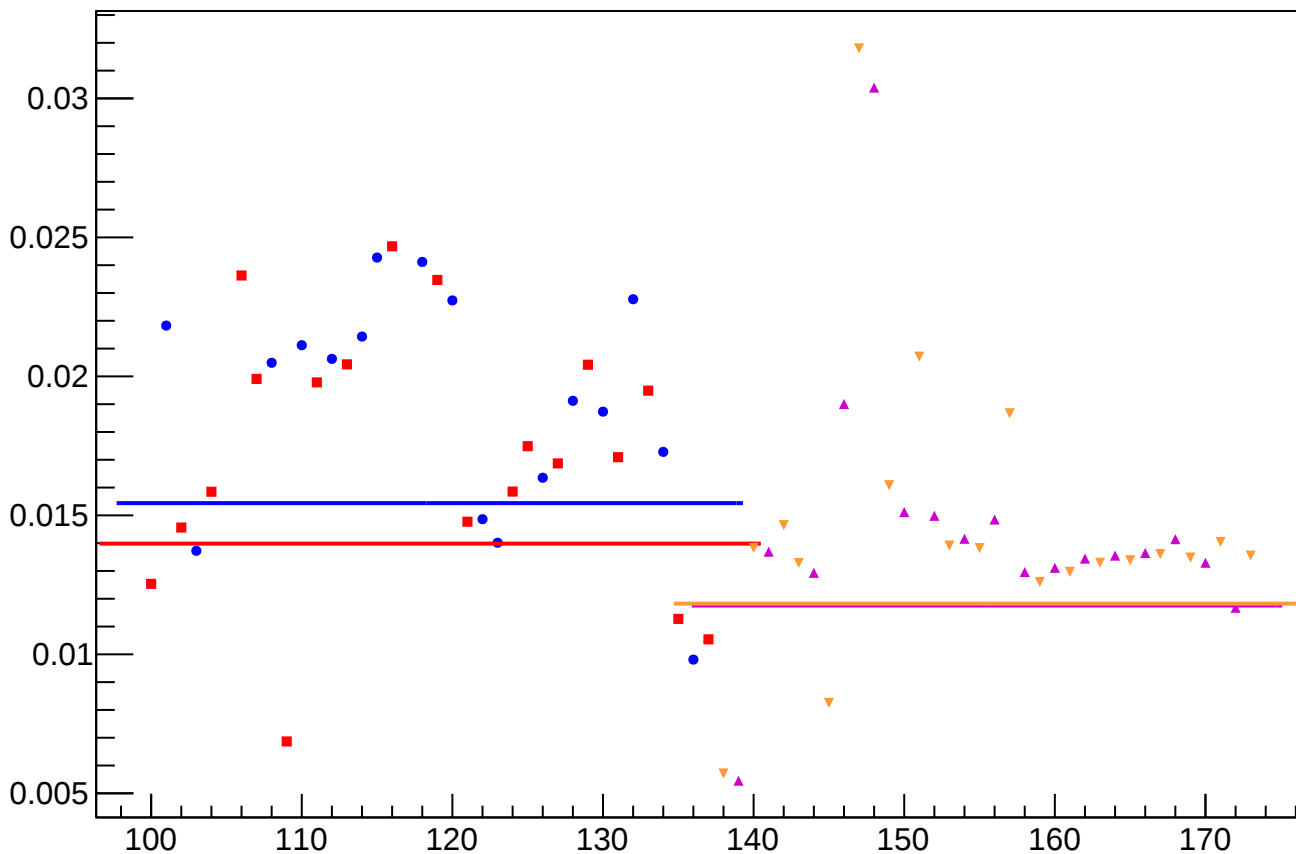
Left In: 0.044+/-0.000 χ^2/NDF : 78137996209.2/16

+ sign 0.051+/-0.000 χ^2/NDF : 101174841797.8/35

All: 0.062+/-0.000 χ^2/NDF : 192242883366.8

- sign 0.072+/-0.000 χ^2/NDF : 91043135923.2/35

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

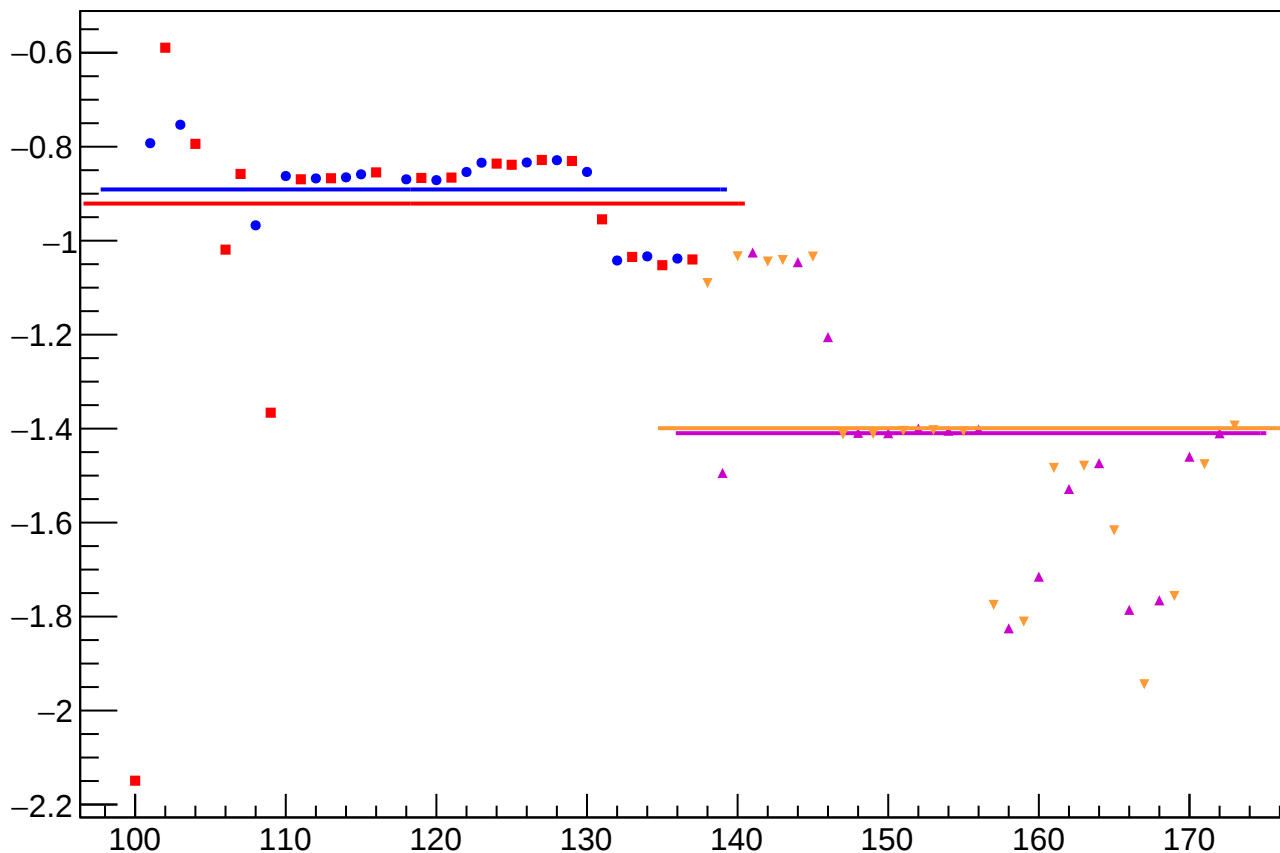
Left In: 0.012+/-0.000 χ^2/NDF : 2938928.8/16

+ sign 0.013+/-0.000 χ^2/NDF : 4685317.8/35

All: 0.012+/-0.000 χ^2/NDF : 9402690.9/71

- sign 0.012+/-0.000 χ^2/NDF : 4709353.3/35

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

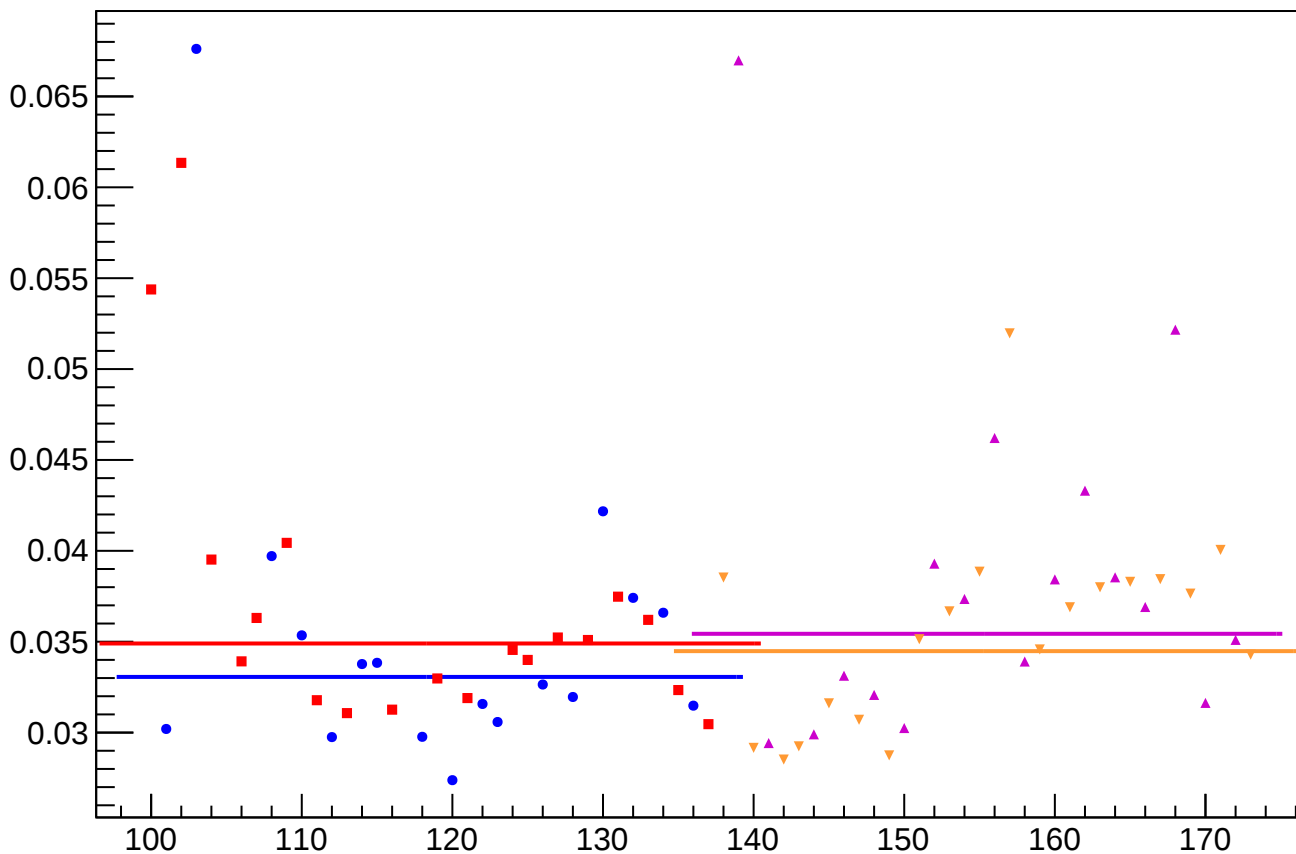
Left In: -1.410+/-0.000 χ^2/NDF : 511069892.1/16

+ sign -1.225+/-0.000 χ^2/NDF : 1668690877.1/35

All: -1.230+/-0.000 χ^2/NDF : 3089494931.8/7

- sign -1.236+/-0.000 χ^2/NDF : 1419893704.6/35

yield_bpm12X_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 409286.7/16

Left Out: 0.034 $\pm$ 0.000 χ^2 /NDF: 448551.4/18

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 274270.8/18

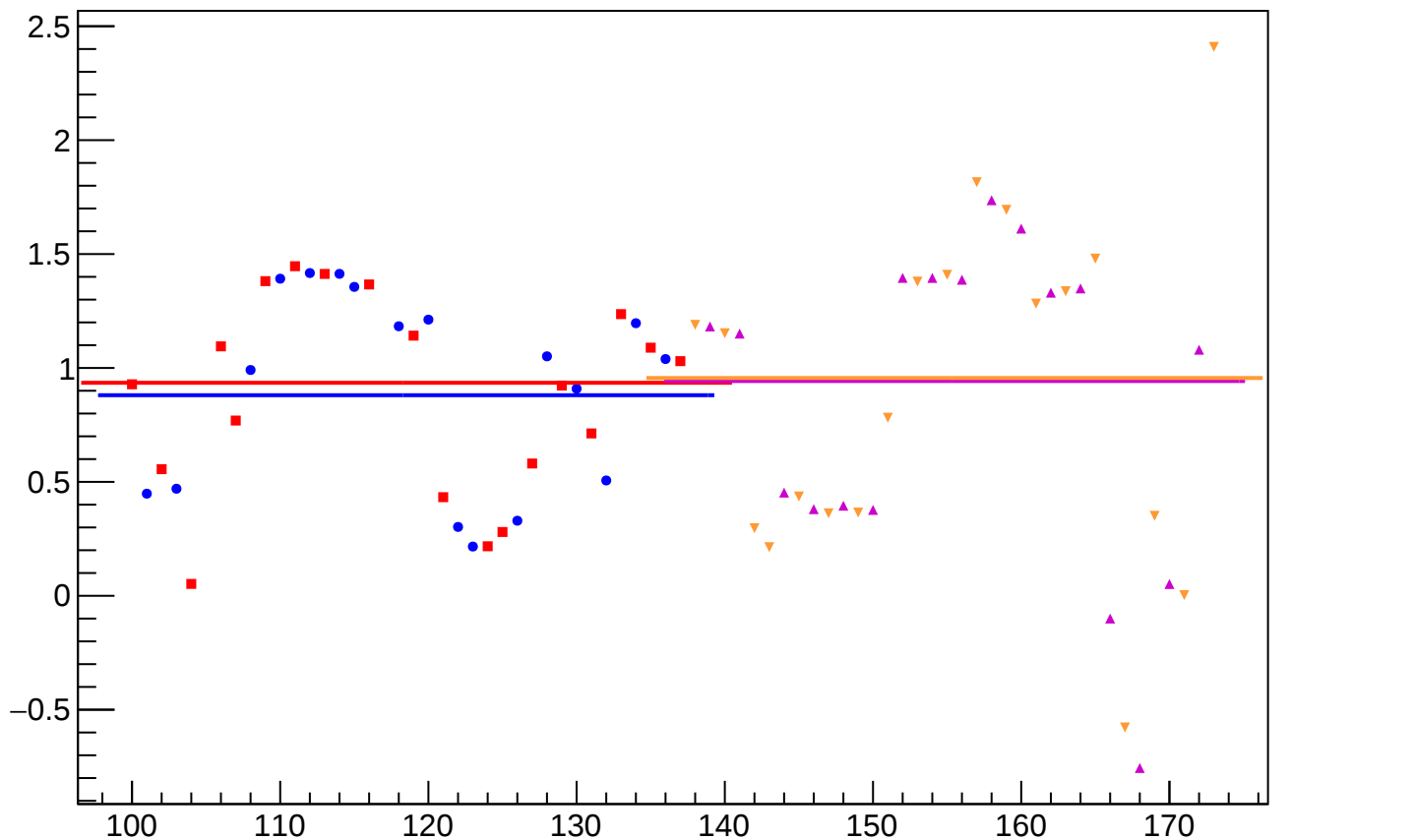
Left In: 0.035 $\pm$ 0.000 χ^2 /NDF: 808866.4/16

+ sign 0.034 $\pm$ 0.000 χ^2 /NDF: 872052.5/35

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 1980343.8/71

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1084986.8/35

yield_bpm12Y_mean vs Slug



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 0.956 $\pm$ 0.000 χ^2 /NDF: 82035240716.8/18

Right Out: 0.935 $\pm$ 0.000 χ^2 /NDF: 9833525935.6/18

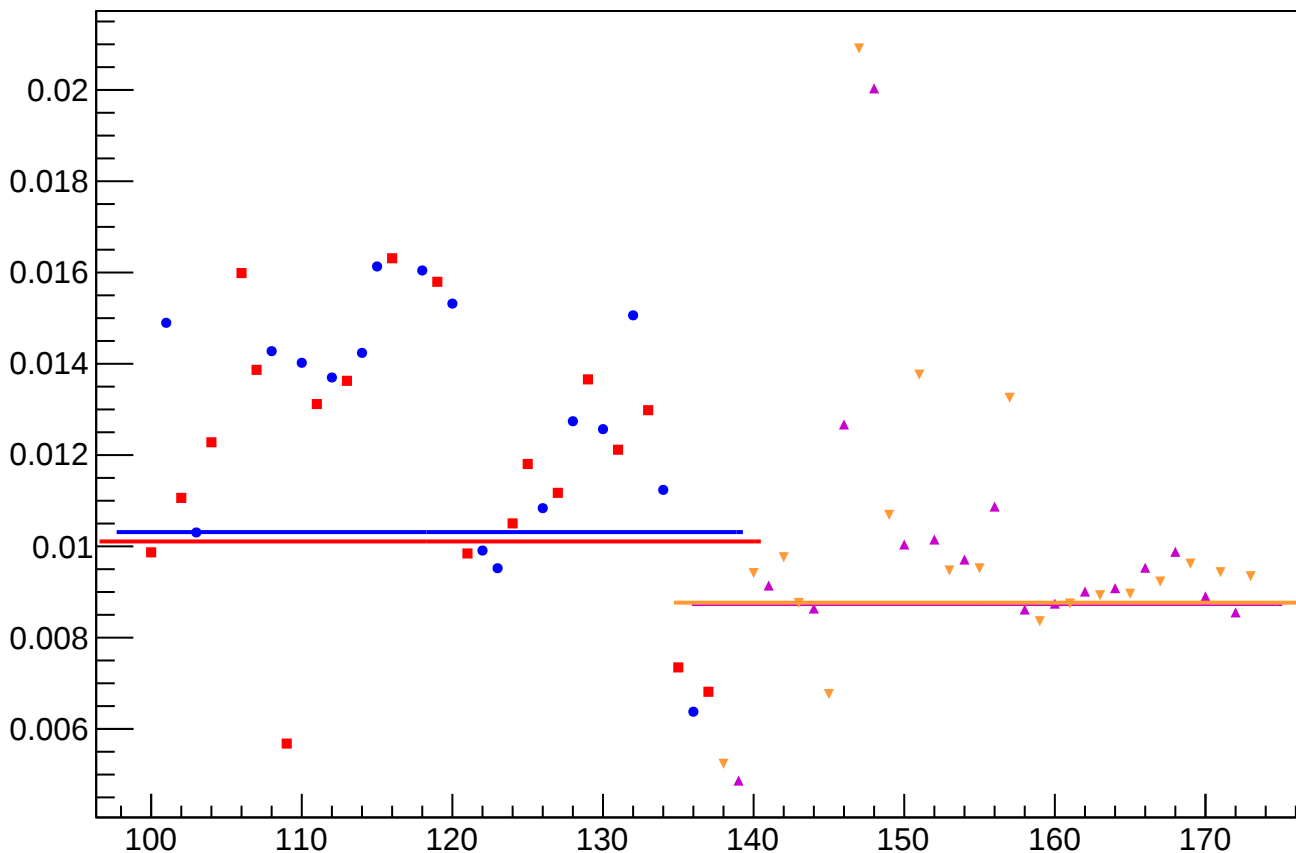
Left In: 0.943 $\pm$ 0.000 χ^2 /NDF: 65214633198.6/16

+ sign 0.938 $\pm$ 0.000 χ^2 /NDF: 88663178304.9/35

All: 0.939 $\pm$ 0.000 χ^2 /NDF: 163714683334.2

- sign 0.941 $\pm$ 0.000 χ^2 /NDF: 75050602679.4/35

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

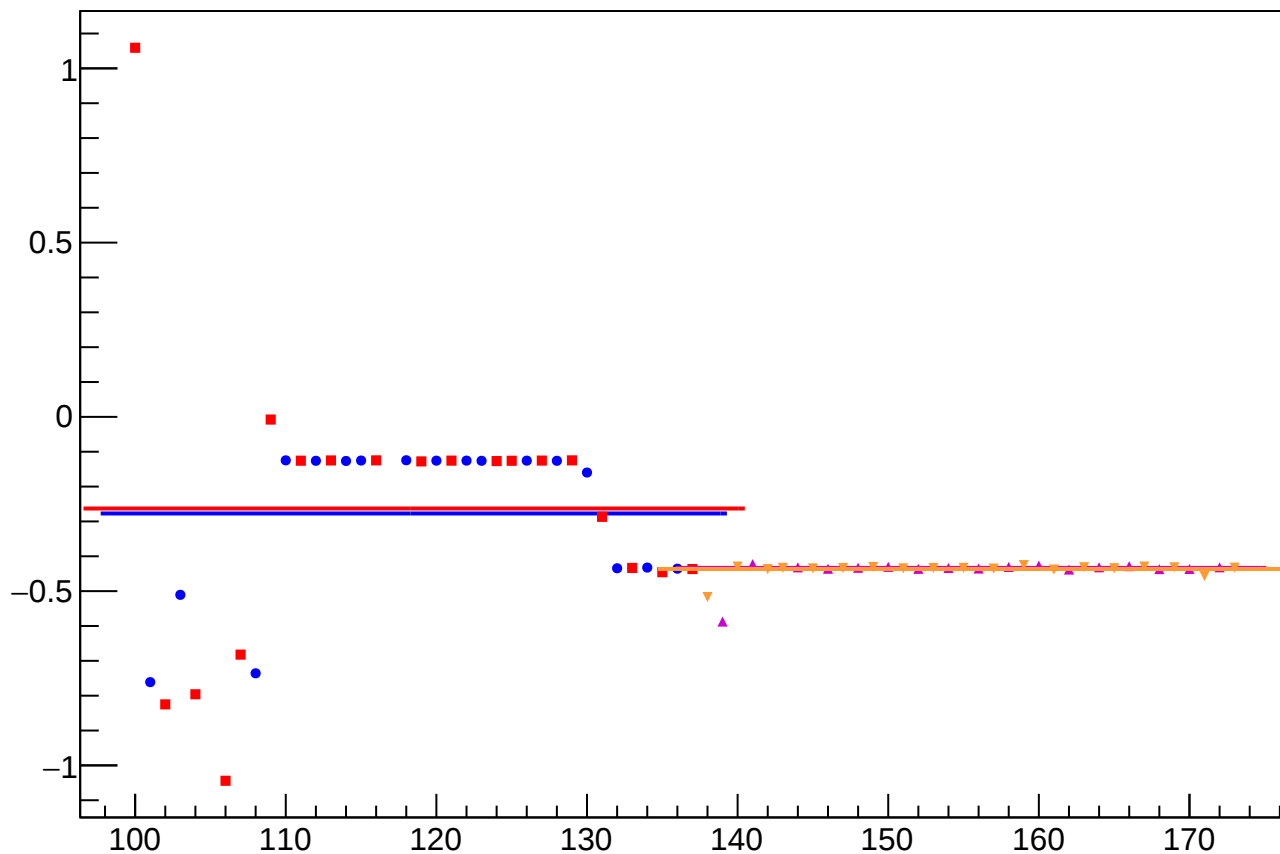
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1593016.3/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3115770.4/35

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6044397.5/71

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2928383.9/35

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

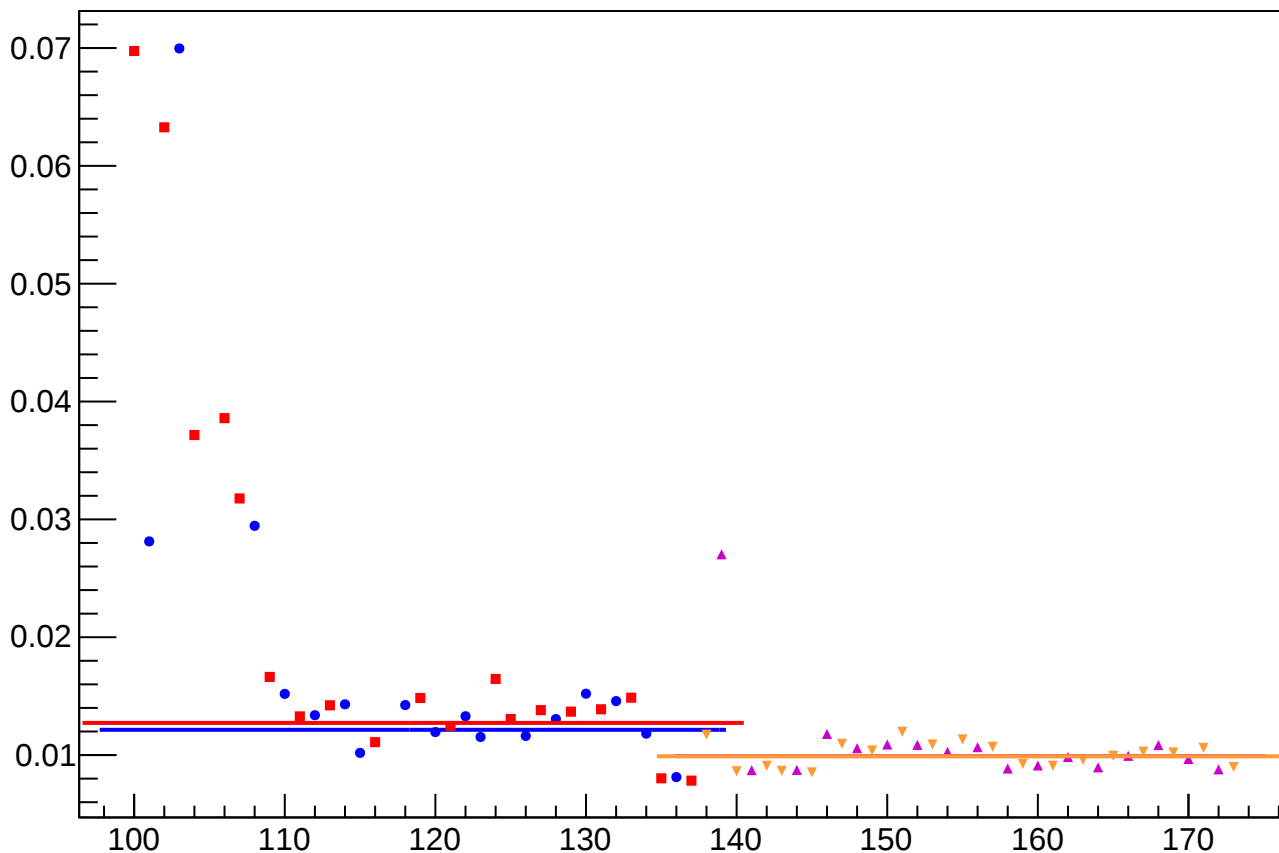
Left In: -0.433+/-0.000 χ^2/NDF : 23651030.0/16

+ sign -0.403+/-0.000 χ^2/NDF : 1610588268.6/35

All: -0.400+/-0.000 χ^2/NDF : 3329724477.6/7

- sign -0.397+/-0.000 χ^2/NDF : 1716507927.3/35

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1727494.7/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 246409.4/18

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1969165.0/18

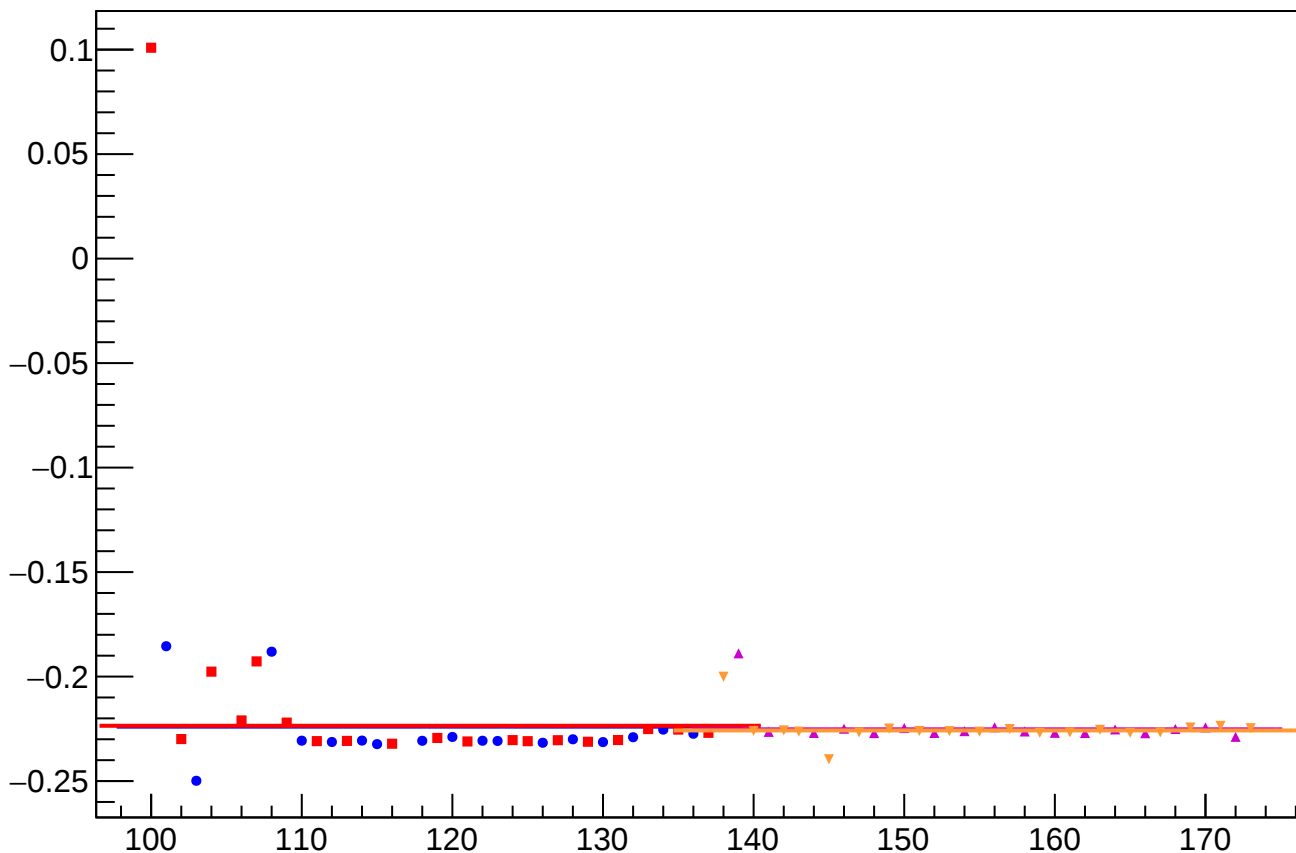
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 724119.7/16

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2229243.8/35

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5299562.4/71

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3067277.6/35

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

Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

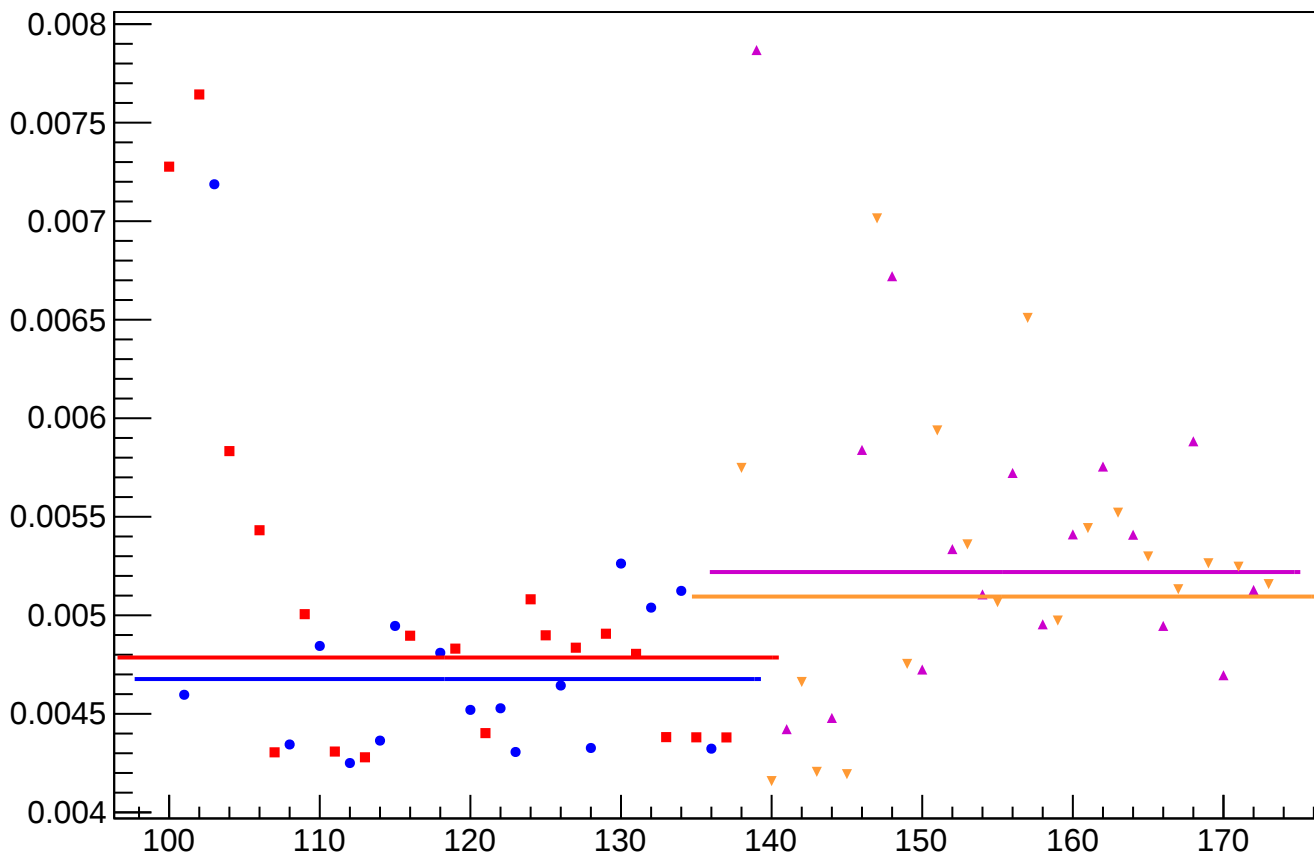
Left In: -0.225+/-0.000 χ^2/NDF : 14693340.4/16

+ sign -0.225+/-0.000 χ^2/NDF : 96173603.8/35

All: -0.225+/-0.000 χ^2/NDF : 279600118.7/71

- sign -0.225+/-0.000 χ^2/NDF : 183316112.9/35

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

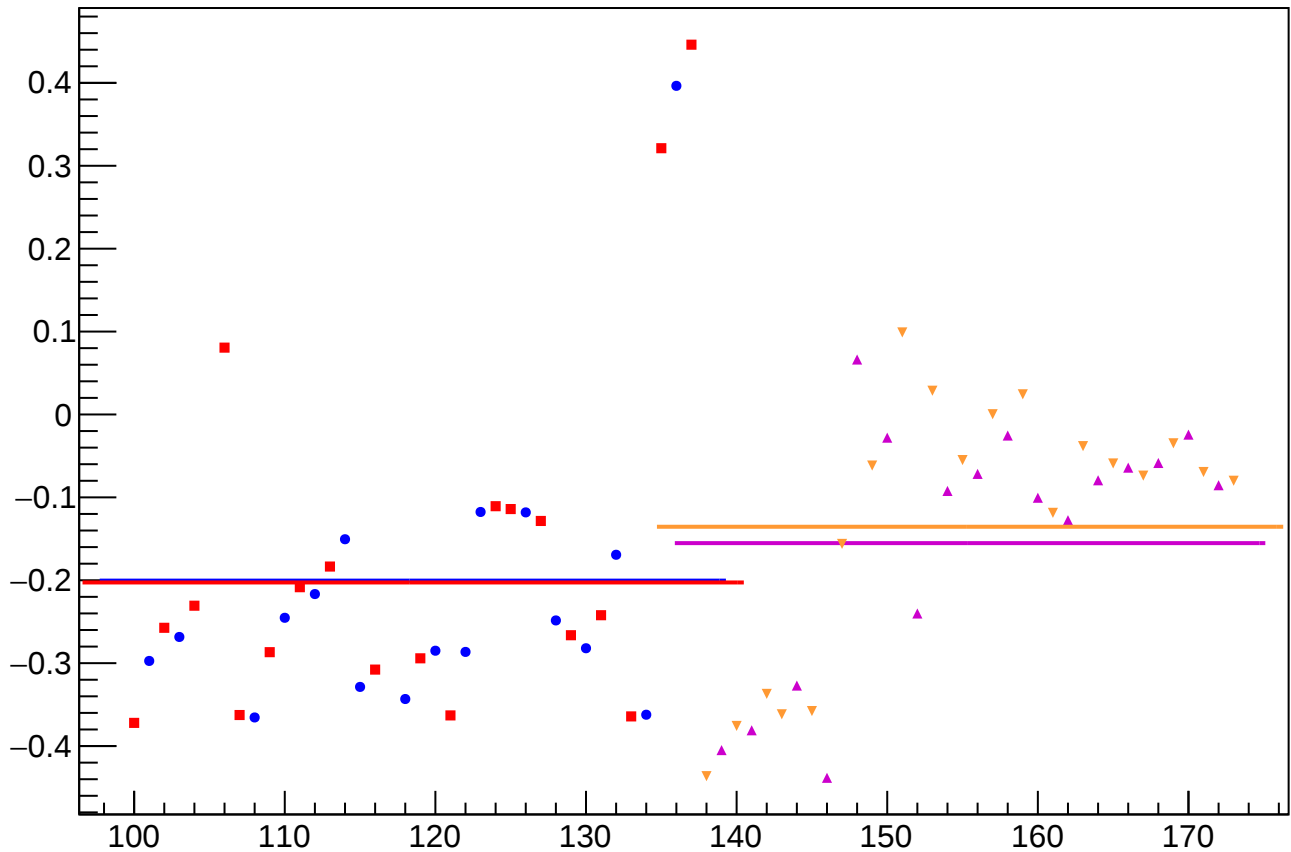
Left In: 0.005+/-0.000 χ^2/NDF : 426156.1/16

+ sign 0.005+/-0.000 χ^2/NDF : 695326.9/35

All: 0.005+/-0.000 χ^2/NDF : 1443107.4/71

- sign 0.005+/-0.000 χ^2/NDF : 739254.6/35

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

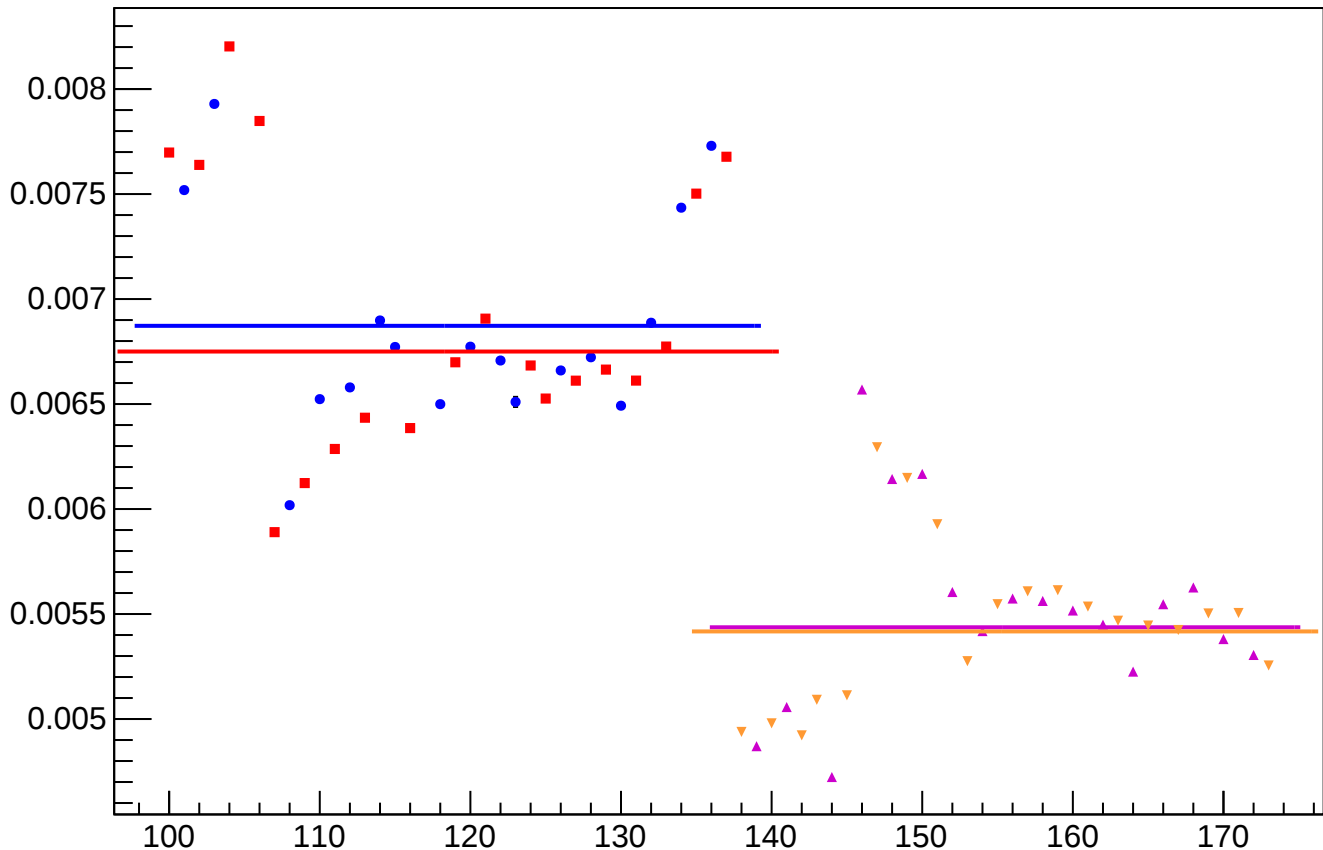
Left In: -0.155+/-0.000 χ^2/NDF : 8888558486.5/16

+ sign -0.151+/-0.000 χ^2/NDF : 18137841334.6/35

All: -0.159+/-0.000 χ^2/NDF : 32389864982.1/35

- sign -0.168+/-0.000 χ^2/NDF : 14166386425.0/35

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005+/-0.000 χ^2/NDF :107740.5/18

Right Out: 0.007+/-0.000 χ^2/NDF : 105124.4/18

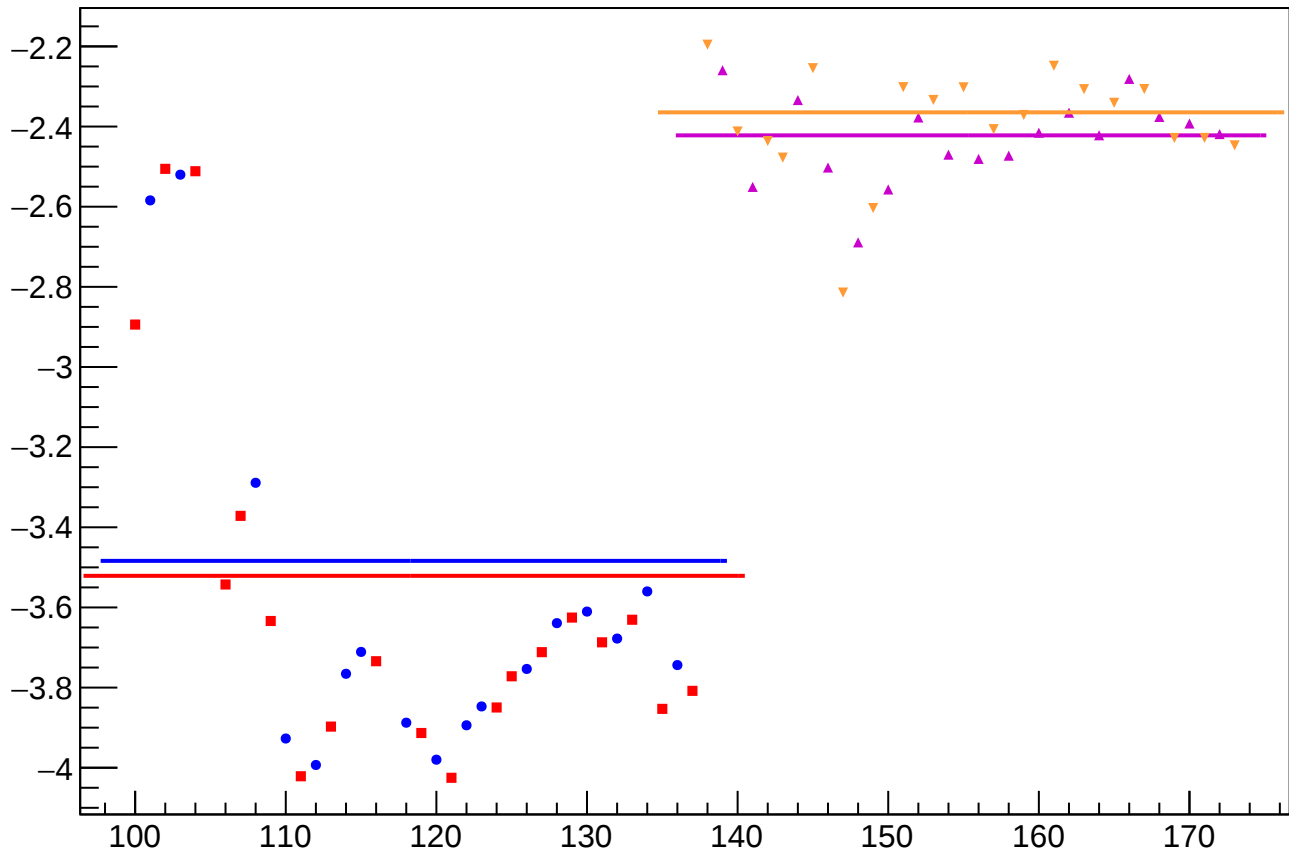
Left In: 0.005+/-0.000 χ^2/NDF :149115.8/16

+ sign 0.006+/-0.000 χ^2/NDF : 637357.6/35

All: 0.006+/-0.000 χ^2/NDF : 1274265.5/71

- sign 0.006+/-0.000 χ^2/NDF : 636440.4/35

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

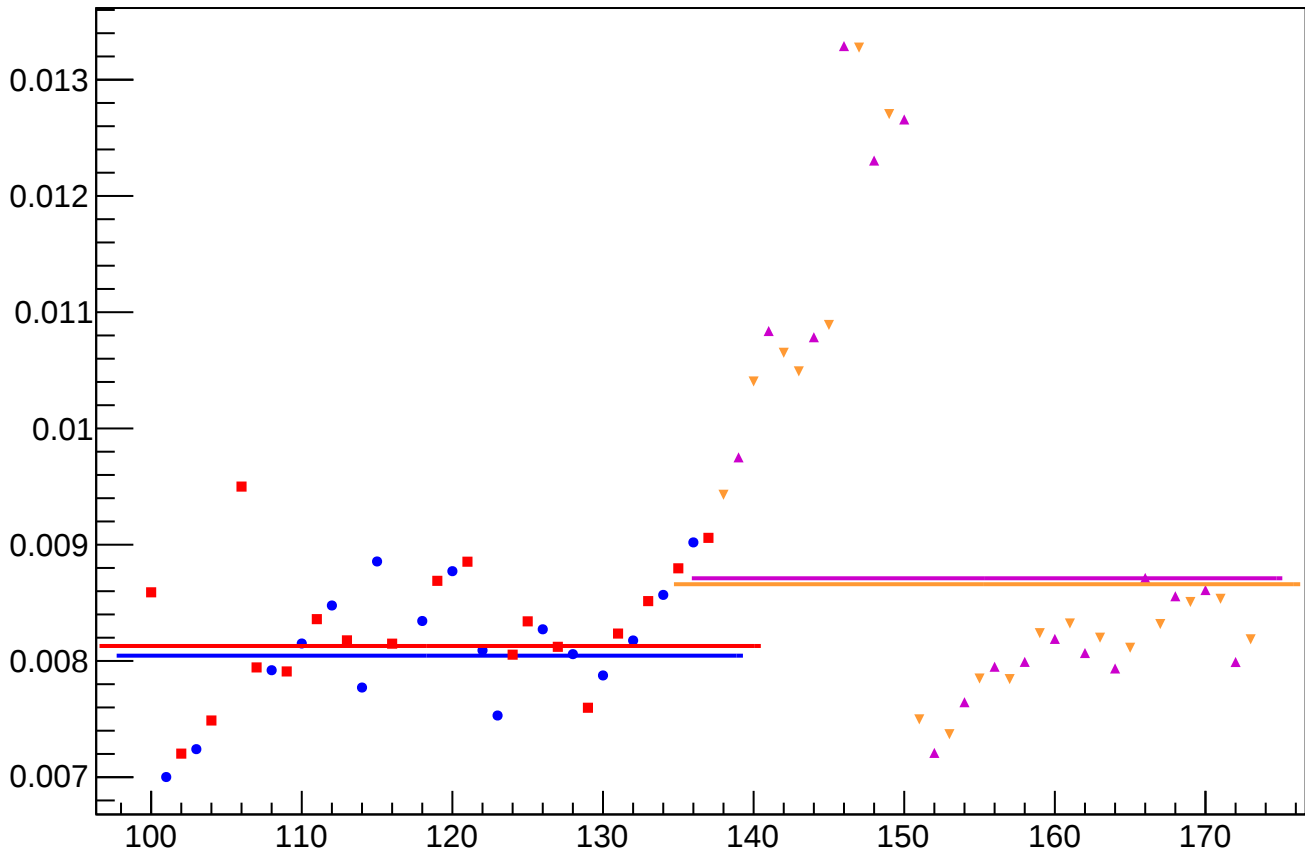
Left In: -2.422+/-0.000 χ^2/NDF : 1136088086.9/16

+ sign -2.773+/-0.000 χ^2/NDF : 109006095144.0/35

All: -2.811+/-0.000 χ^2/NDF : 212919210330.2

- sign -2.851+/-0.000 χ^2/NDF : 103096363083.6/35

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

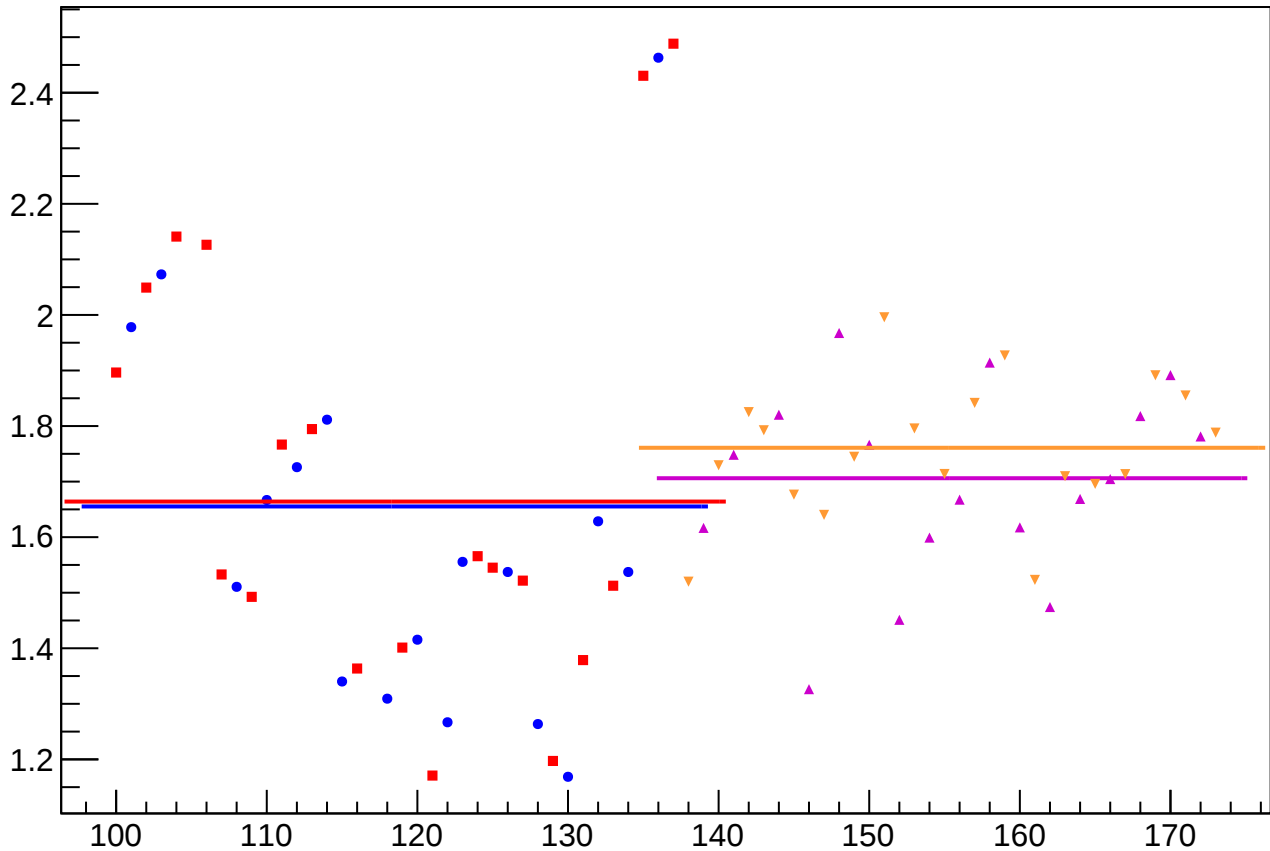
Left In: 0.009 ± 0.000 χ^2/NDF : 712617.7/16

+ sign 0.008 ± 0.000 χ^2/NDF : 719971.8/35

All: 0.008 ± 0.000 χ^2/NDF : 1533081.4/71

- sign 0.008 ± 0.000 χ^2/NDF : 812486.5/35

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

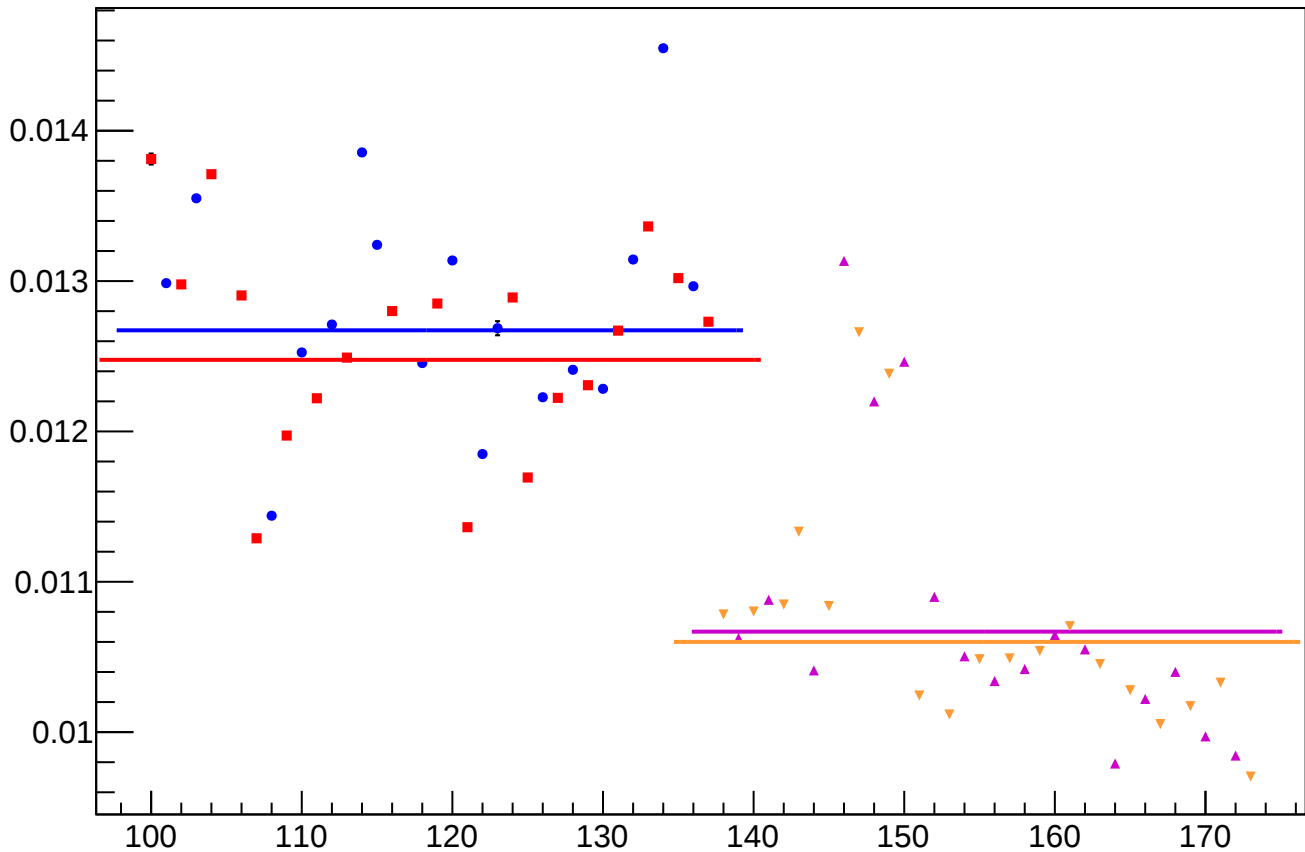
Left In: 1.706 $\pm$ 0.000 χ^2 /NDF:2749825619.7/16

+ sign 1.734 $\pm$ 0.000 χ^2 /NDF: 8575061090.9/35

All: 1.715 $\pm$ 0.000 χ^2 /NDF: 17451920833.2/7

- sign 1.694 $\pm$ 0.000 χ^2 /NDF: 8749768838.1/35

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 31801.3/16

Left Out: 0.011+/-0.000 χ^2/NDF :104443.3/18

Right Out: 0.012+/-0.000 χ^2/NDF : 39134.8/18

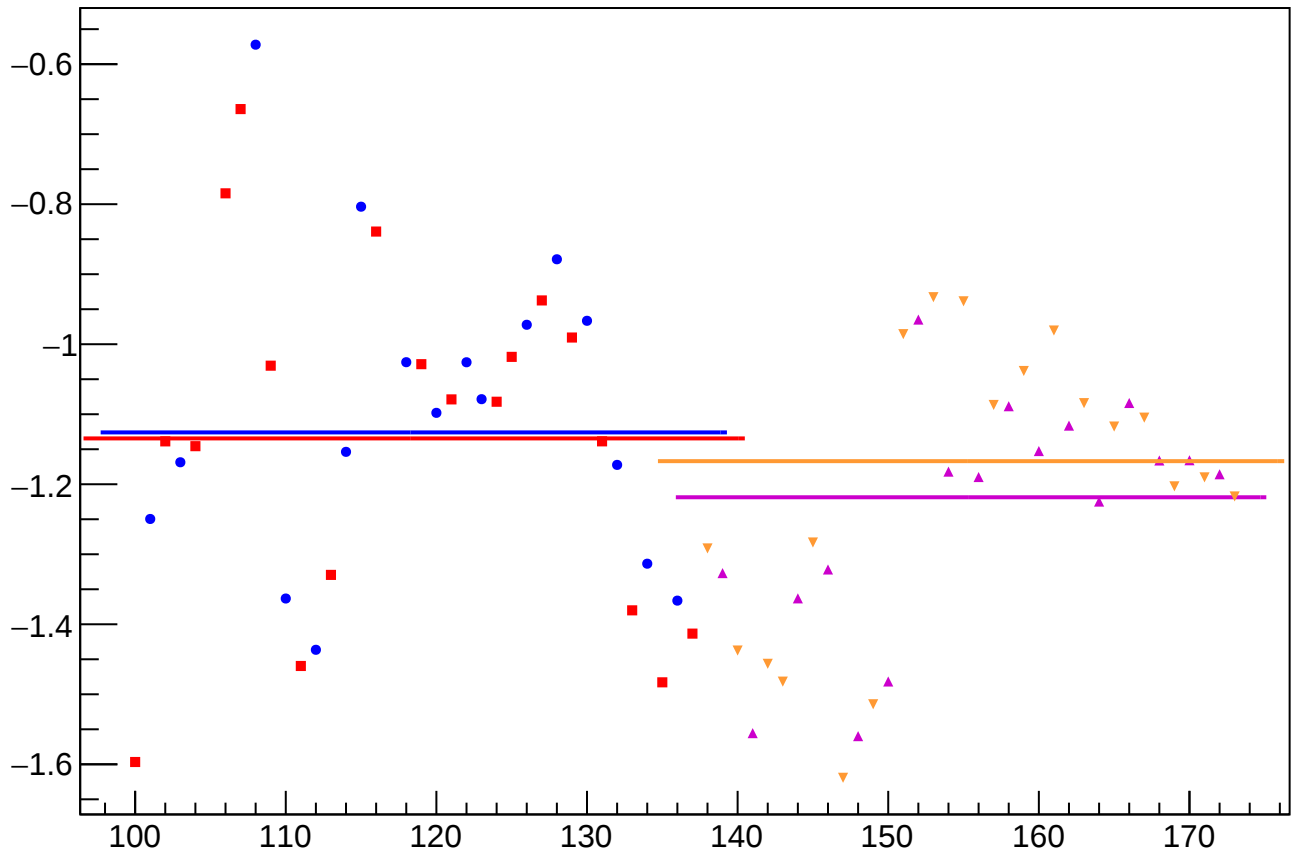
Left In: 0.011+/-0.000 χ^2/NDF :139948.3/16

+ sign 0.011+/-0.000 χ^2/NDF : 398383.5/35

All: 0.011+/-0.000 χ^2/NDF : 784356.6/71

- sign 0.011+/-0.000 χ^2/NDF : 385353.3/35

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.167+/-0.000 χ^2/NDF : 7161889758.3/18

Right Out: -1.135+/-0.000 χ^2/NDF : 3677461023.4/18

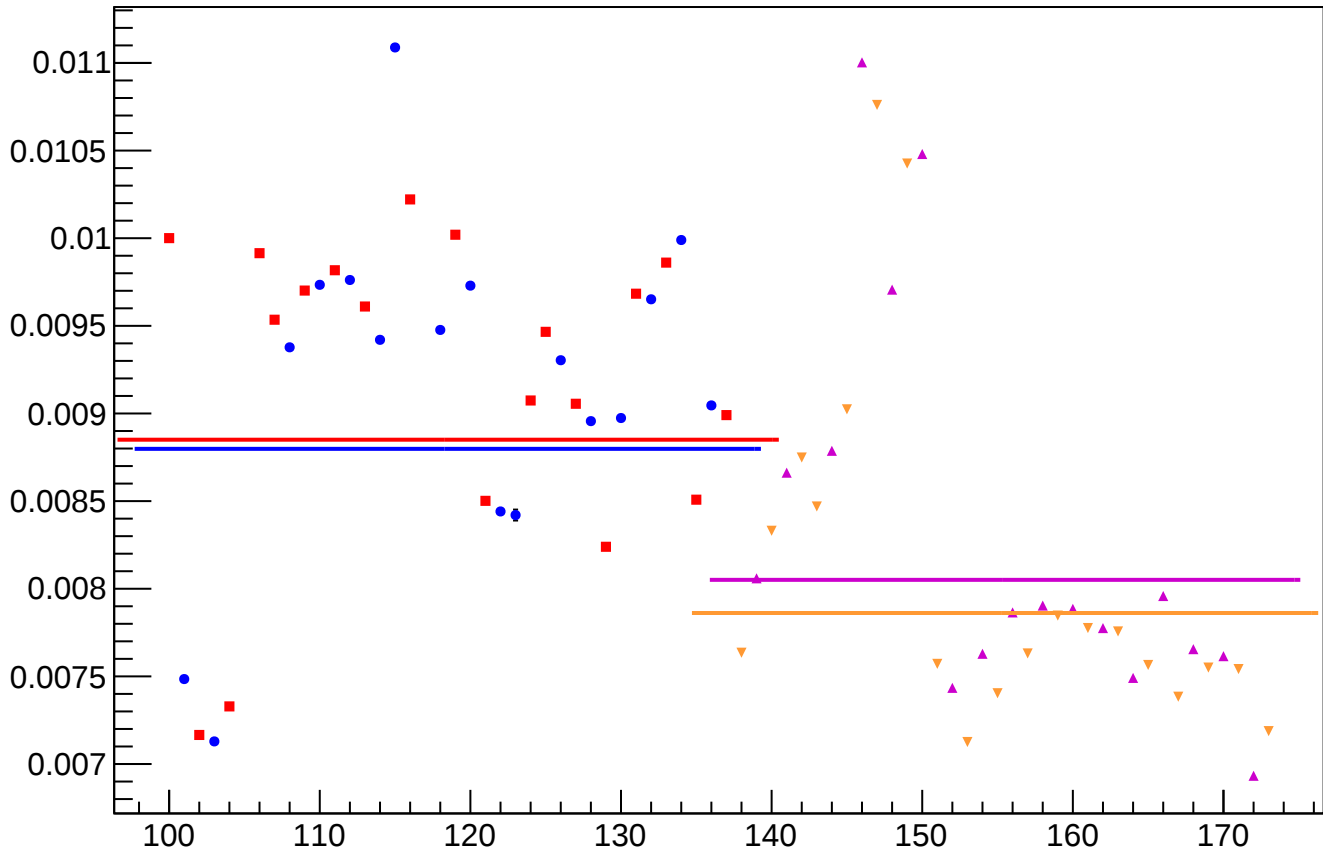
Left In: -1.219+/-0.000 χ^2/NDF : 4519322918.1/16

+ sign -1.155+/-0.000 χ^2/NDF : 10836627349.2/35

All: -1.173+/-0.000 χ^2/NDF : 19639693304.5/35

- sign -1.193+/-0.000 χ^2/NDF : 8608726793.5/35

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

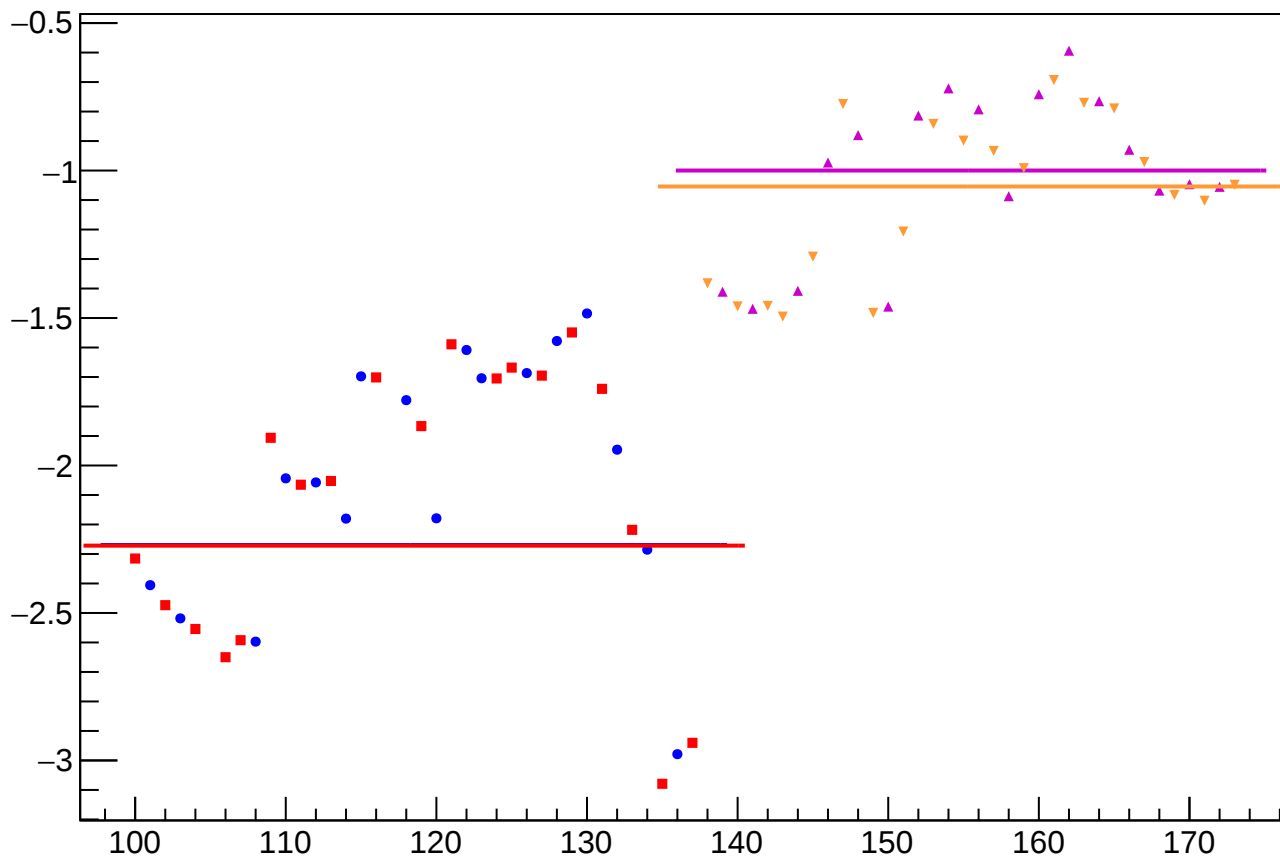
Left In: 0.008+/-0.000 χ^2/NDF : 298071.7/16

+ sign 0.008+/-0.000 χ^2/NDF : 521527.7/35

All: 0.008+/-0.000 χ^2/NDF : 1076694.8/71

- sign 0.008+/-0.000 χ^2/NDF : 546596.4/35

yield_bpm0i05X_mean vs Slug



Right In: -2.270 ± 0.000 $\chi^2/\text{NDF}: 17408567065.9/16$

Left Out: -1.054 ± 0.000 $\chi^2/\text{NDF}: 17611873241.2/18$

Right Out: -2.272 ± 0.000 $\chi^2/\text{NDF}: 19009331715.4/18$

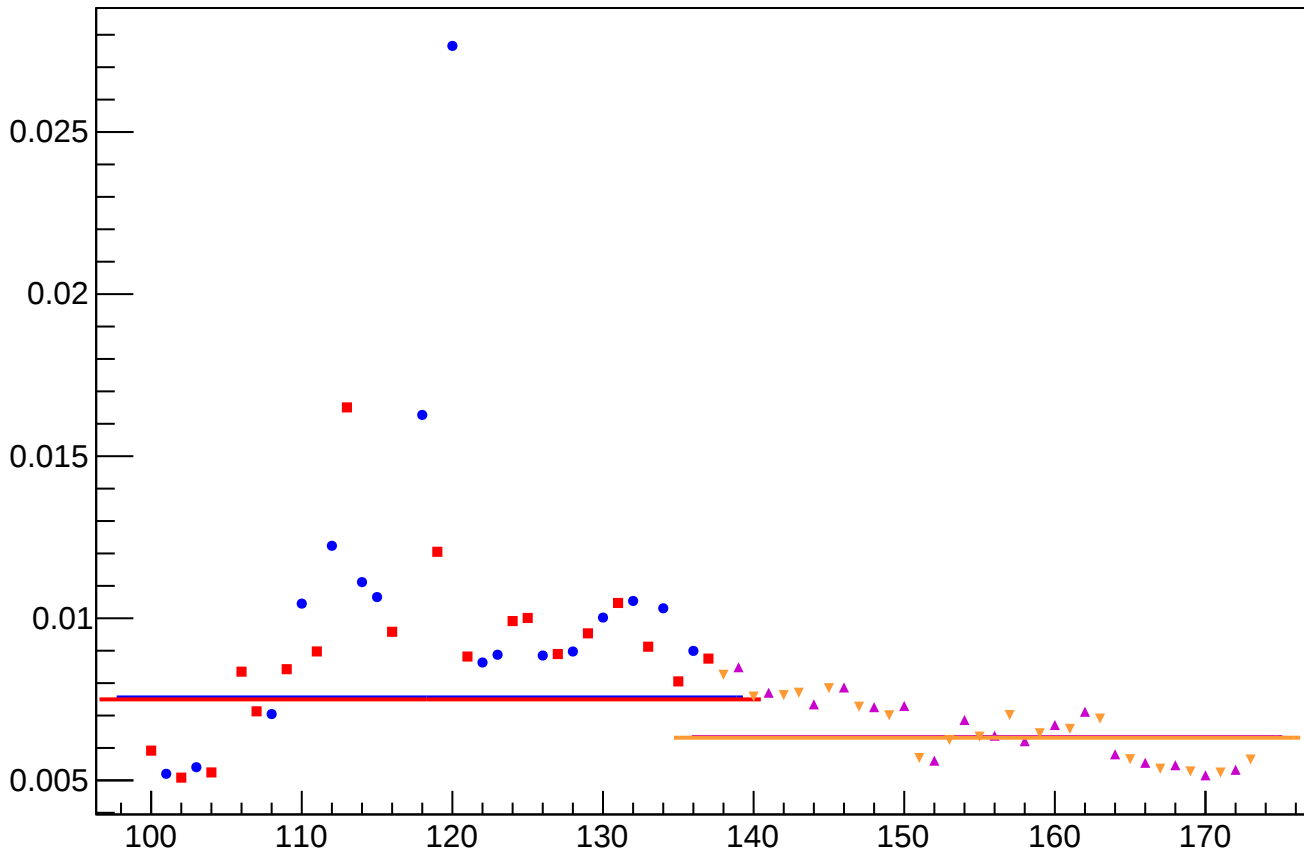
Left In: -1.000 ± 0.000 $\chi^2/\text{NDF}: 18092168443.4/16$

+ sign -1.316 ± 0.000 $\chi^2/\text{NDF}: 137189901306.7/35$

All: -1.316 ± 0.000 $\chi^2/\text{NDF}: 295181870642.3$

- sign -1.317 ± 0.000 $\chi^2/\text{NDF}: 157991587992.3/35$

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

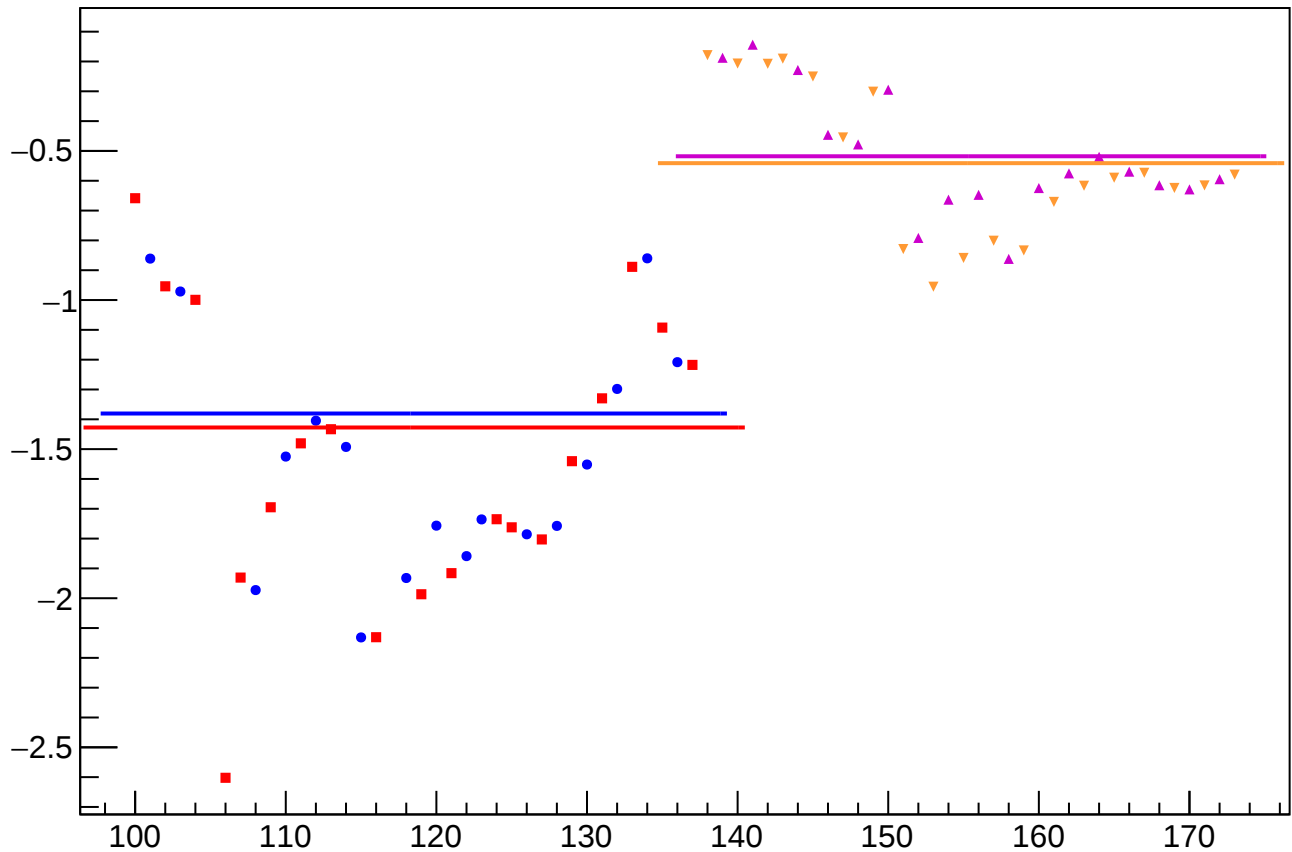
Left In: 0.006+/-0.000 χ^2/NDF : 528949.3/16

+ sign 0.007+/-0.000 χ^2/NDF : 1953545.8/35

All: 0.007+/-0.000 χ^2/NDF : 3618382.5/71

- sign 0.007+/-0.000 χ^2/NDF : 1664048.1/35

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

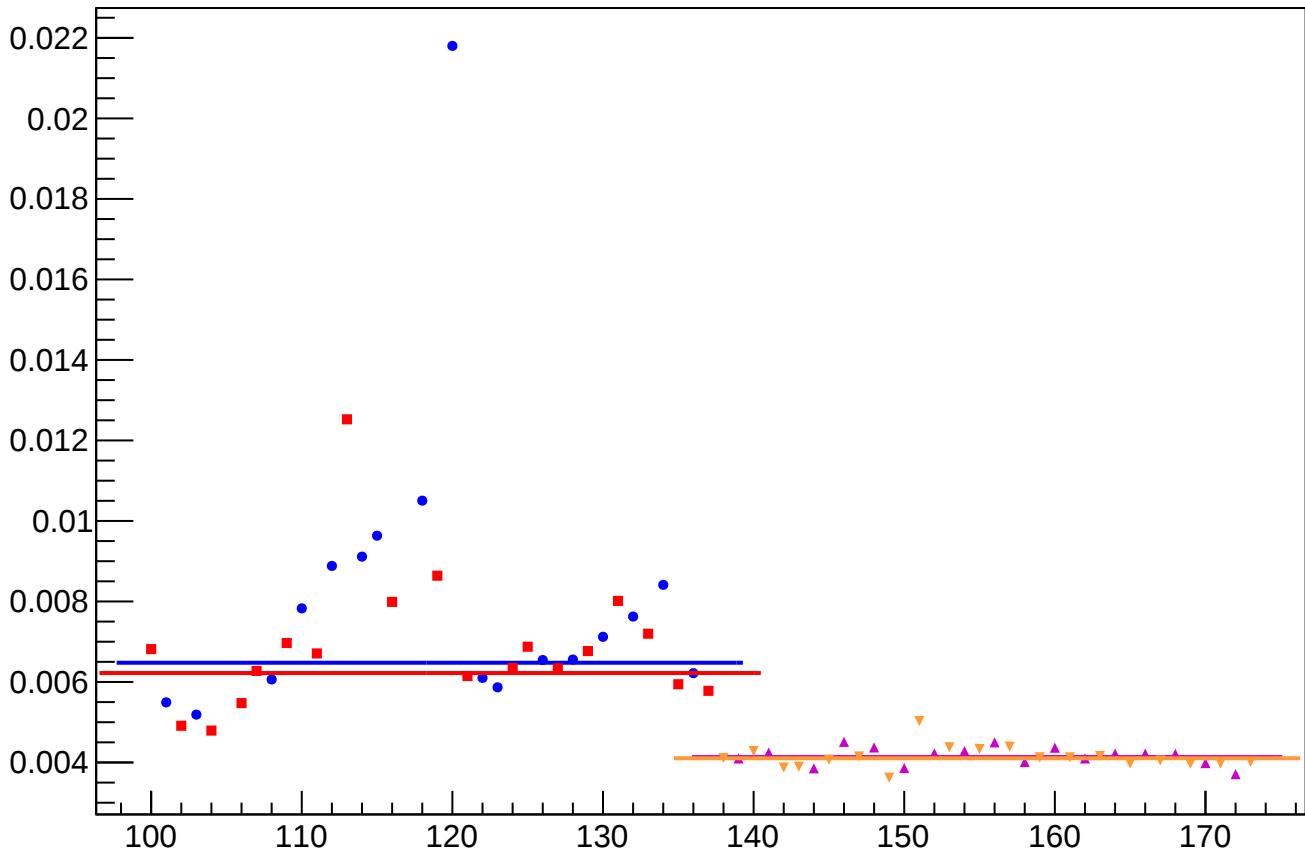
Left In: -0.518+/-0.000 χ^2/NDF : 29835665546.3/16

+ sign -0.663+/-0.000 χ^2/NDF : 143627010269.2/35

All: -0.671+/-0.000 χ^2/NDF : 306594302242.8

- sign -0.679+/-0.000 χ^2/NDF : 162849480831.2/35

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

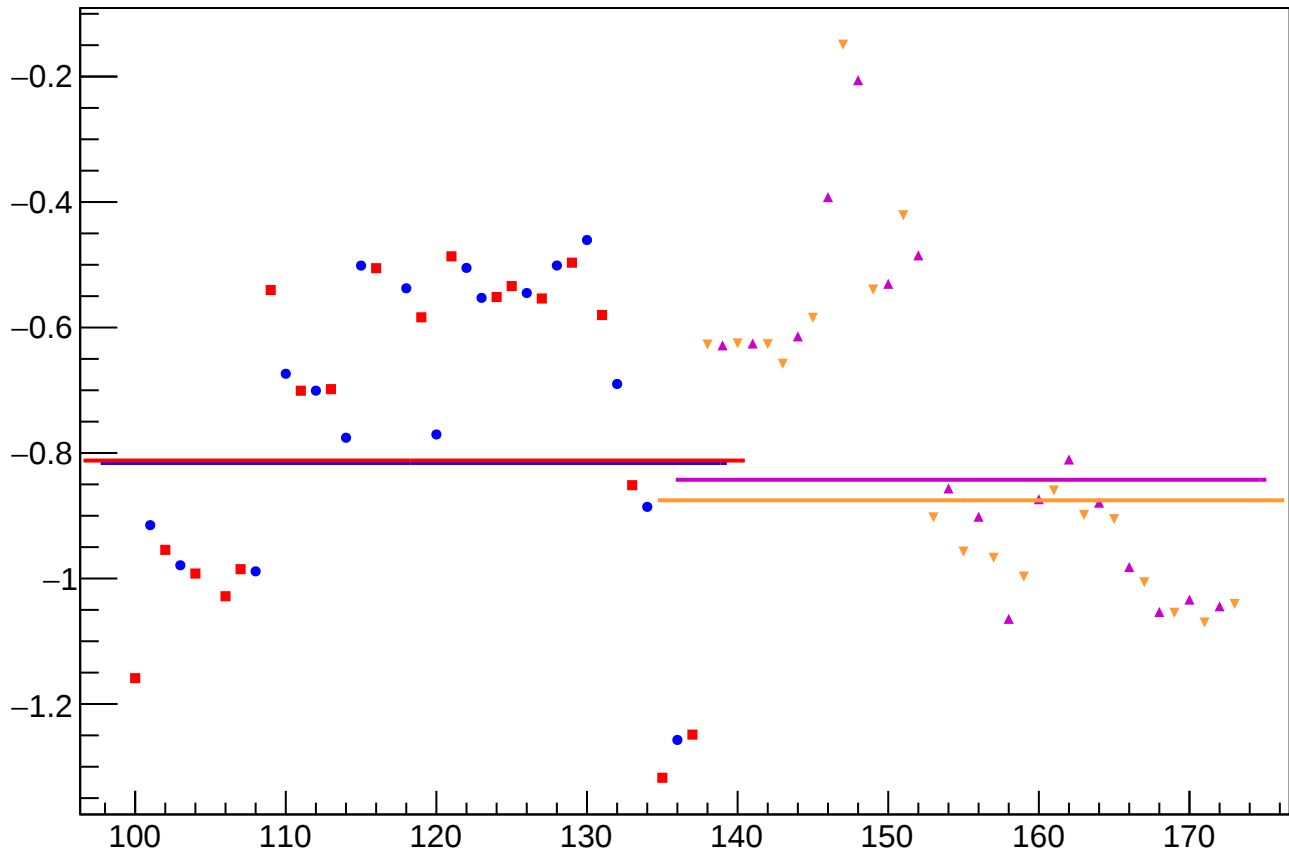
Left In: 0.004+/-0.000 χ^2/NDF : 69544.6/16

+ sign 0.004+/-0.000 χ^2/NDF : 1918086.2/35

All: 0.004+/-0.000 χ^2/NDF : 3503223.3/71

- sign 0.005+/-0.000 χ^2/NDF : 1582399.7/35

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

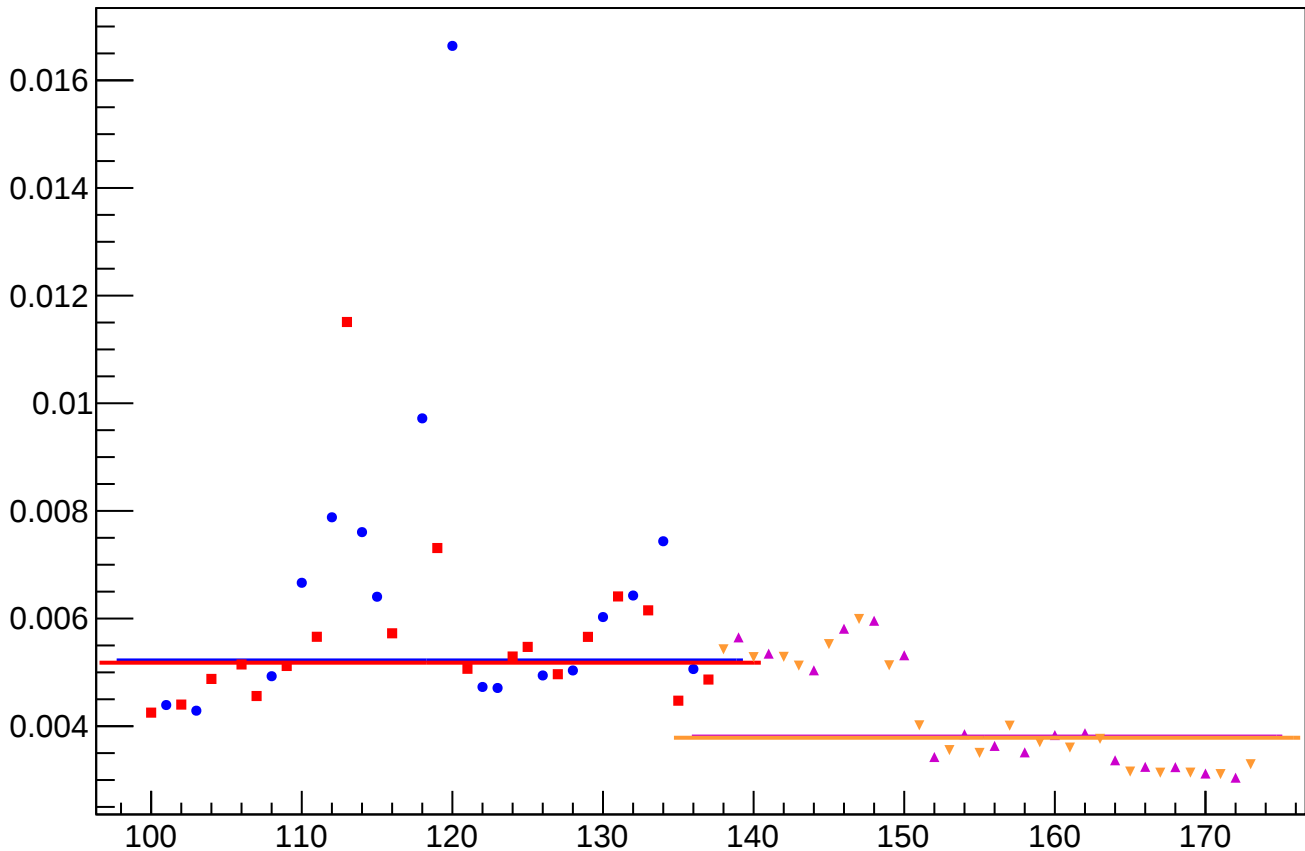
Left In: -0.843+/-0.000 χ^2/NDF : 41456338148.6/16

+ sign -0.864+/-0.000 χ^2/NDF : 53837725509.1/35

All: -0.851+/-0.000 χ^2/NDF : 112695981183.2

- sign -0.836+/-0.000 χ^2/NDF : 58434977524.9/35

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

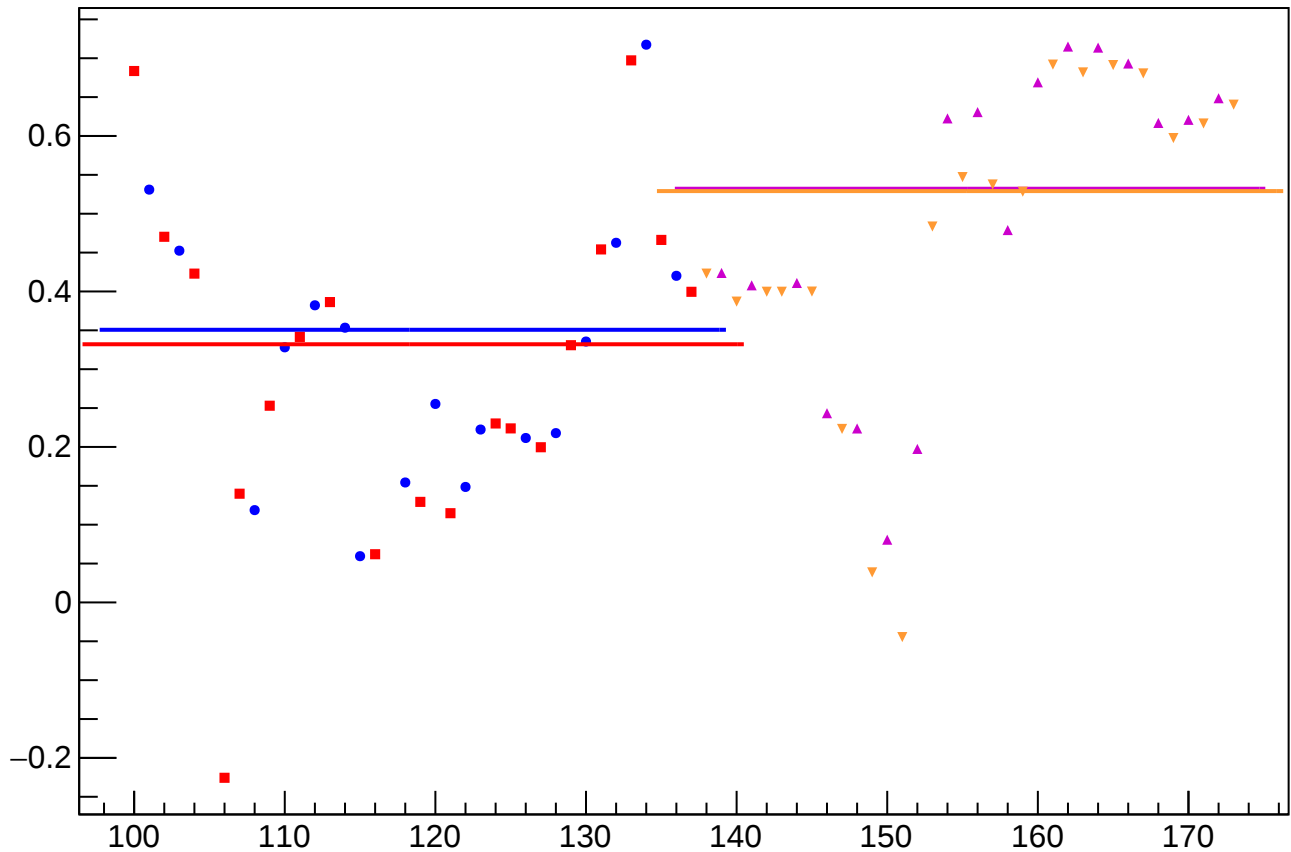
Left In: 0.004+/-0.000 χ^2/NDF : 1149973.2/16

+ sign 0.004+/-0.000 χ^2/NDF : 2447553.5/35

All: 0.004+/-0.000 χ^2/NDF : 4619478.1/71

- sign 0.004+/-0.000 χ^2/NDF : 2168980.3/35

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

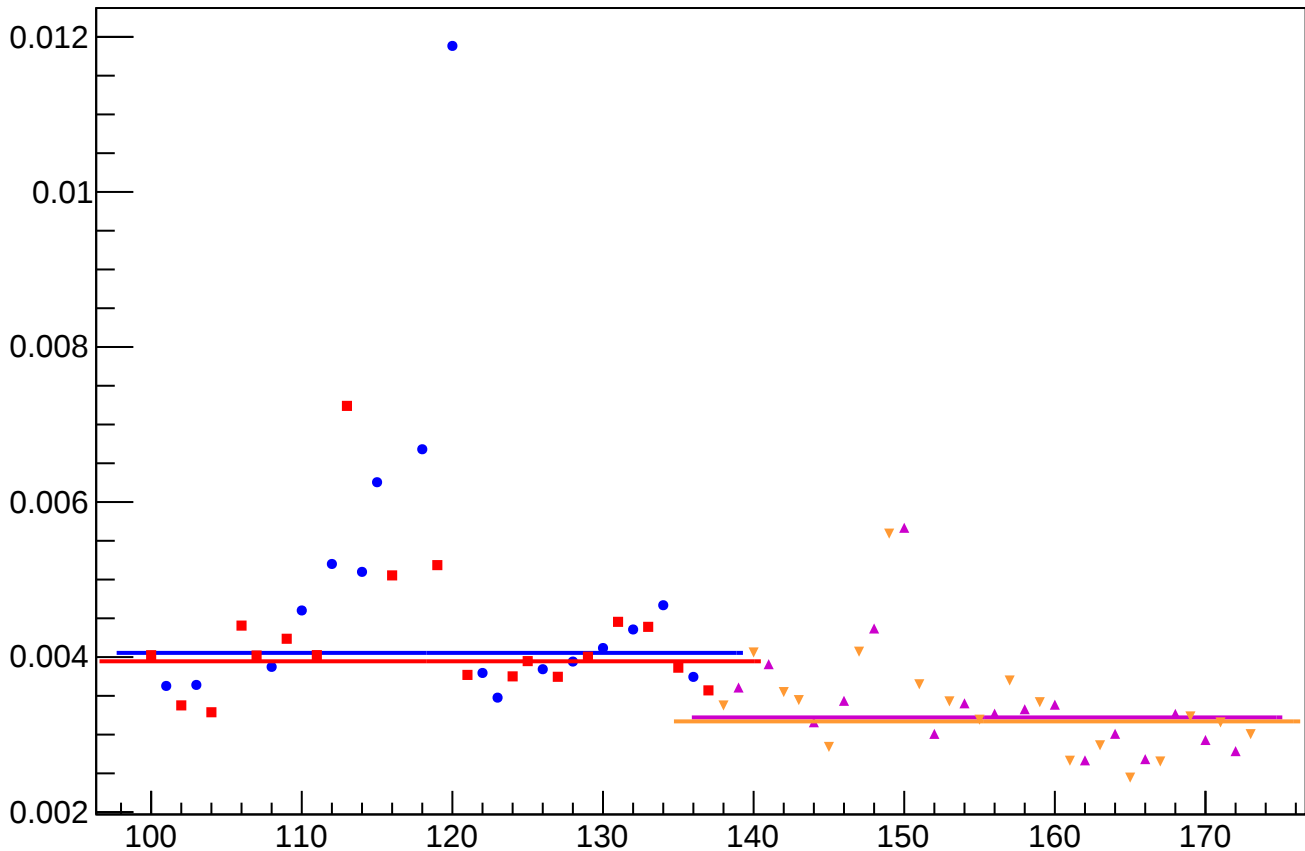
Left In: 0.532+/-0.000 χ^2/NDF : 36526092103.9/16

+ sign 0.490+/-0.000 χ^2/NDF : 55676140720.8/35

All: 0.485+/-0.000 χ^2/NDF : 115701772400.3

- sign 0.480+/-0.000 χ^2/NDF : 59953461284.2/35

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

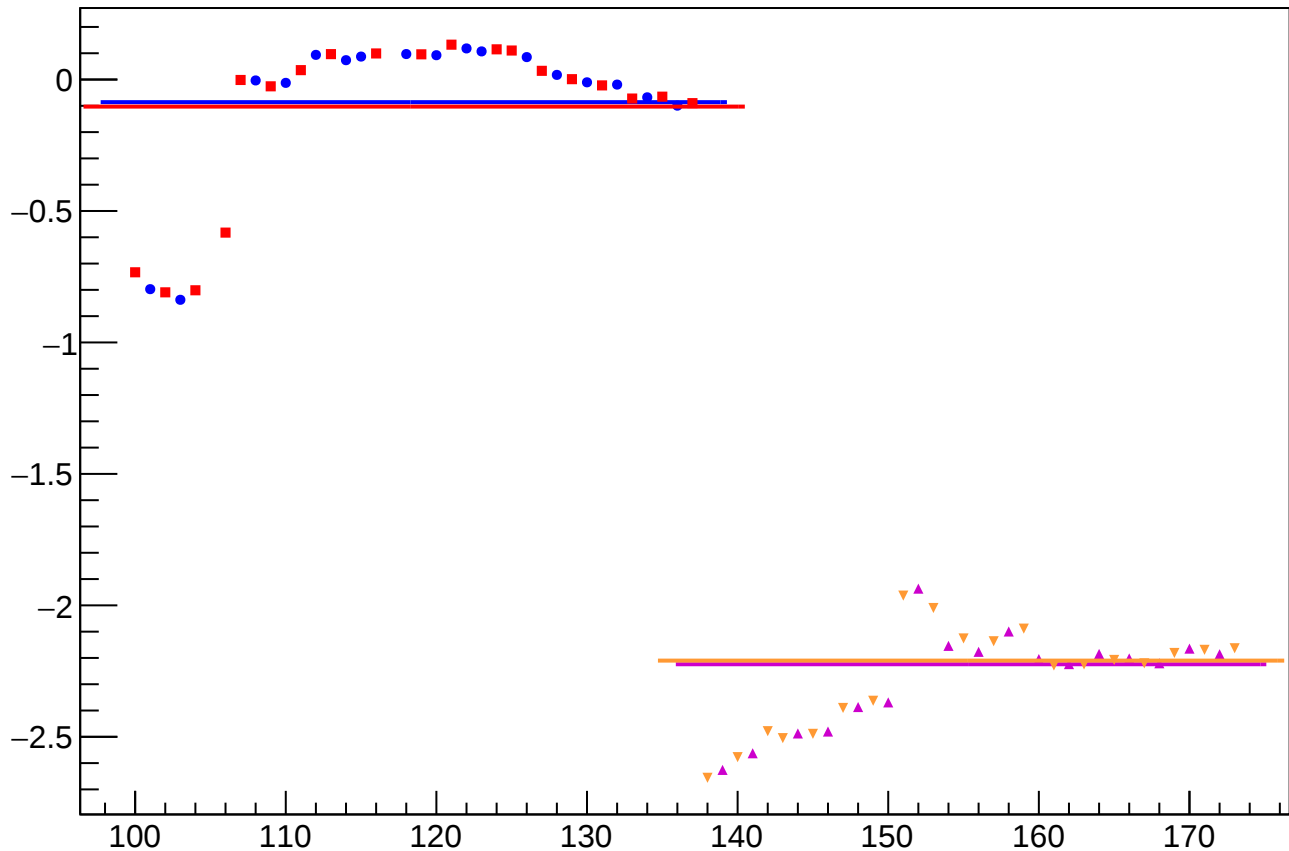
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 614054.2/16

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1590304.2/35

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2773069.2/71

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1179727.4/35

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

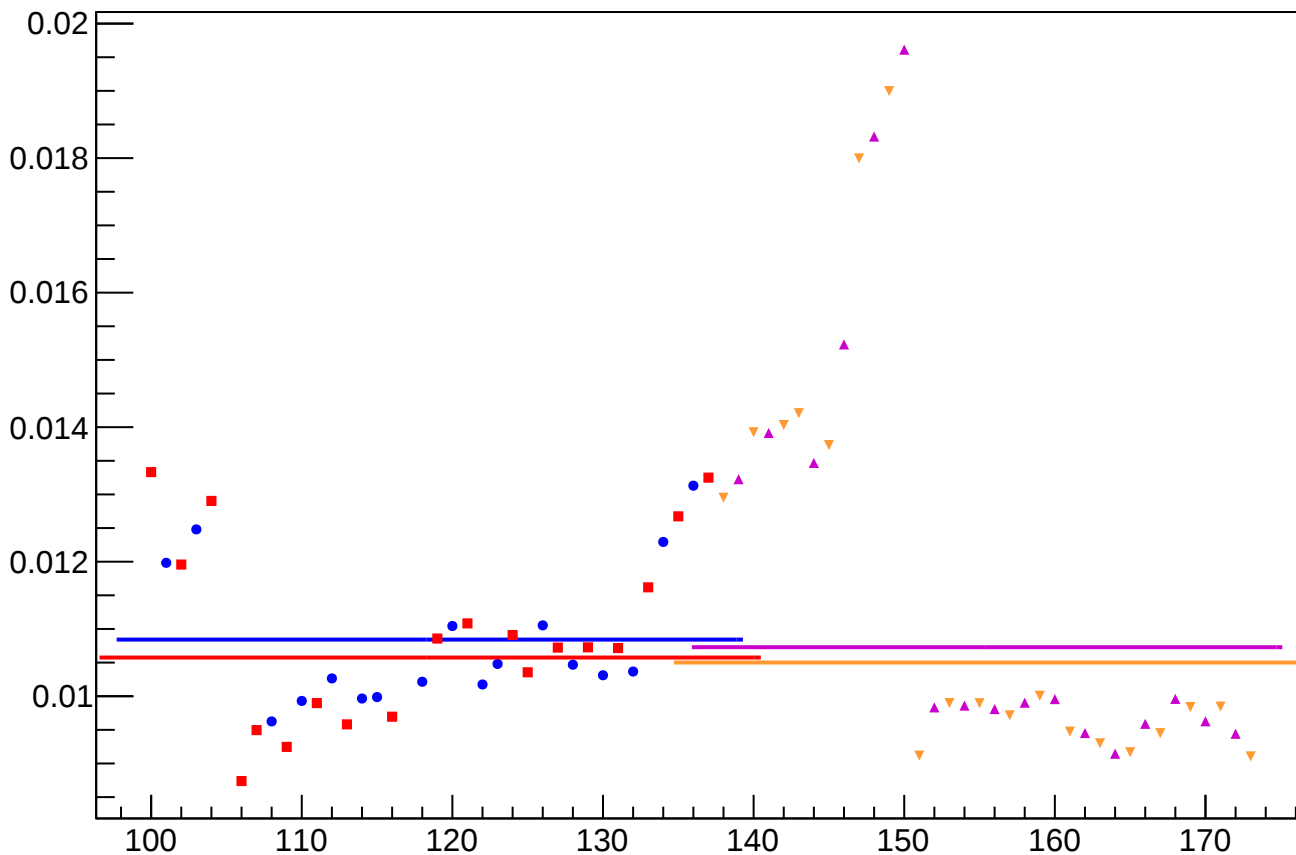
Left In: -2.224 ± 0.000 χ^2/NDF : 2738948603.1/16

+ sign -1.540 ± 0.000 χ^2/NDF : 182860806237.5/35

All: -1.495 ± 0.000 χ^2/NDF : 370801348590.3

- sign -1.448 ± 0.000 χ^2/NDF : 187198199209.6/35

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

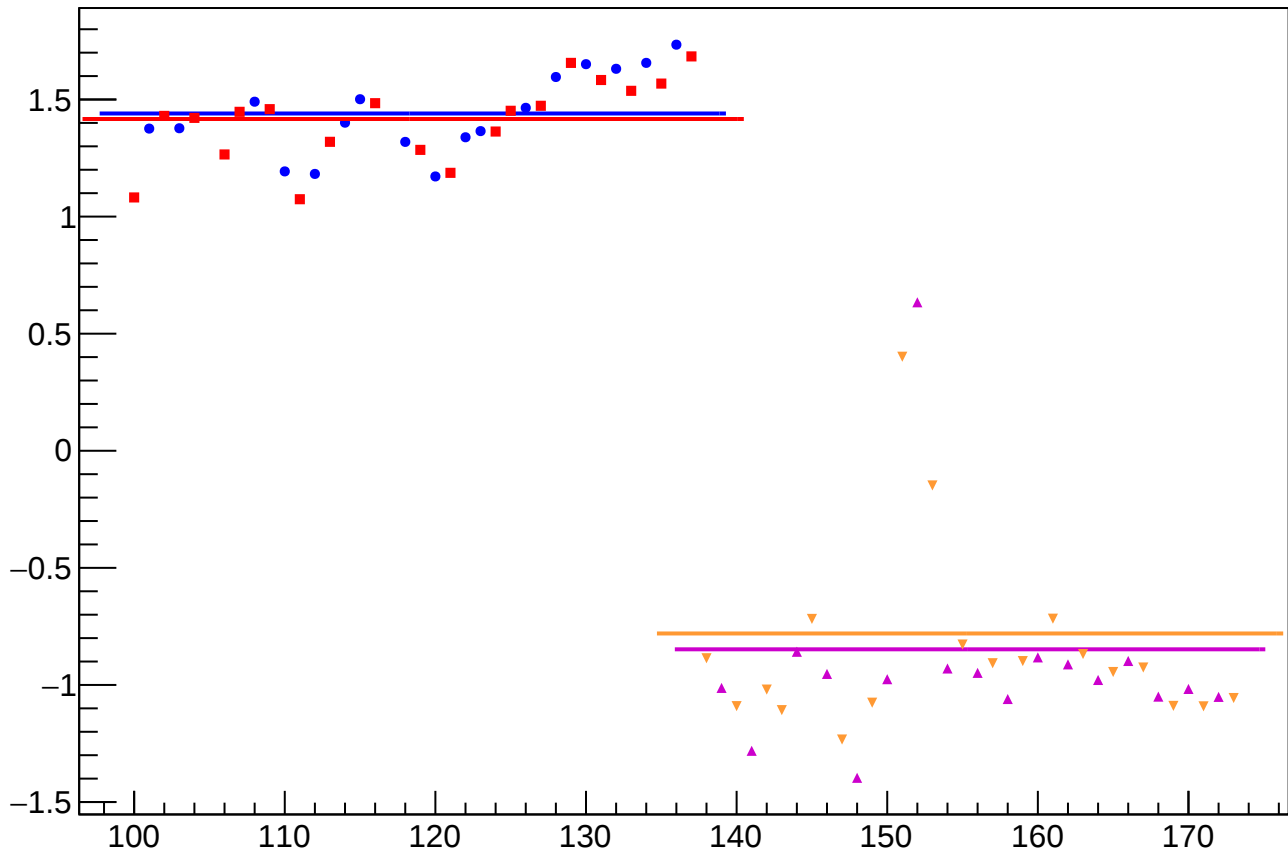
Left In: 0.011+/-0.000 χ^2/NDF : 1173488.4/16

+ sign 0.011+/-0.000 χ^2/NDF : 1296339.6/35

All: 0.011+/-0.000 χ^2/NDF : 2651391.6/71

- sign 0.011+/-0.000 χ^2/NDF : 1354334.8/35

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

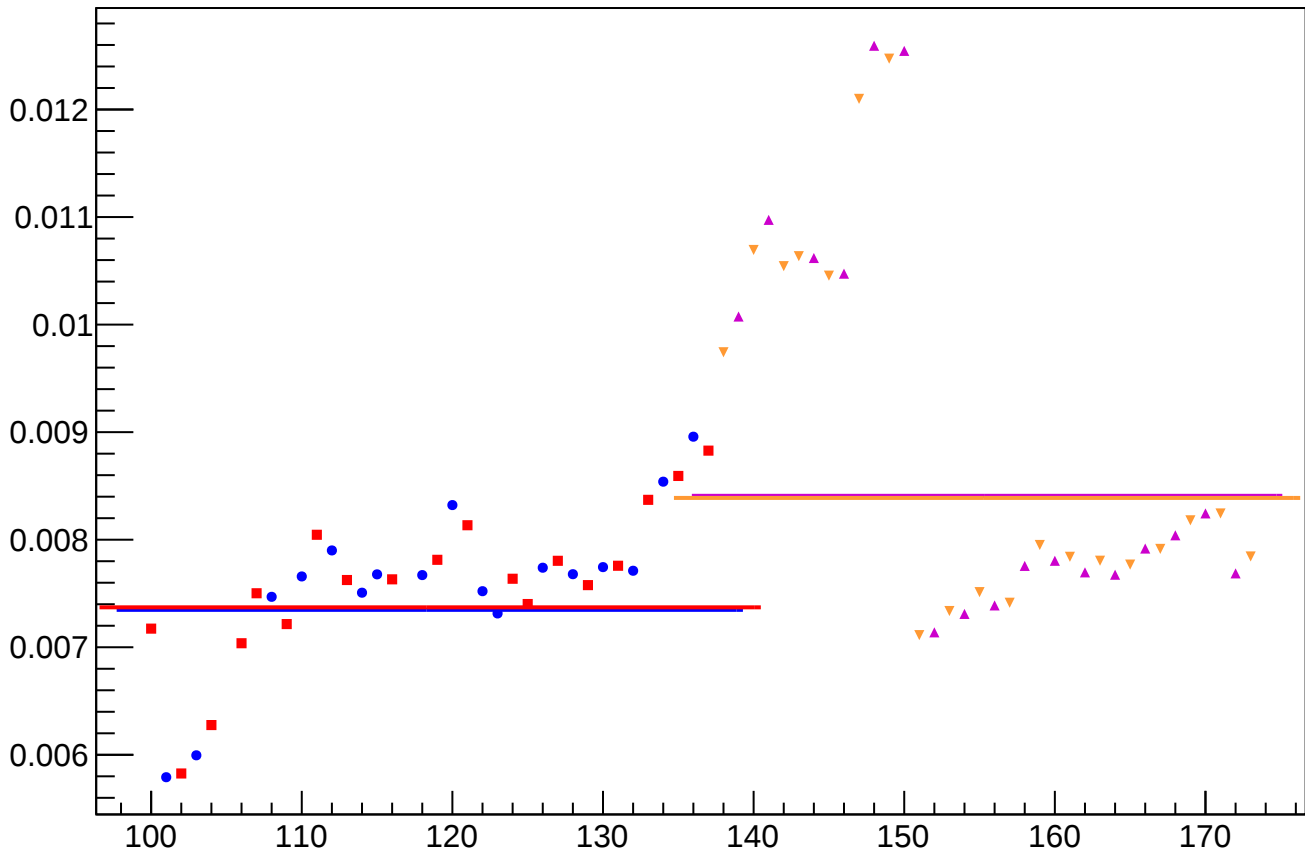
Left In: -0.848 $\pm$ 0.000 χ^2 /NDF: 41263041722.3/16

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 408381687316.4/35

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 837820091572.4

- sign 0.099 $\pm$ 0.000 χ^2 /NDF: 429344630220.9/35

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

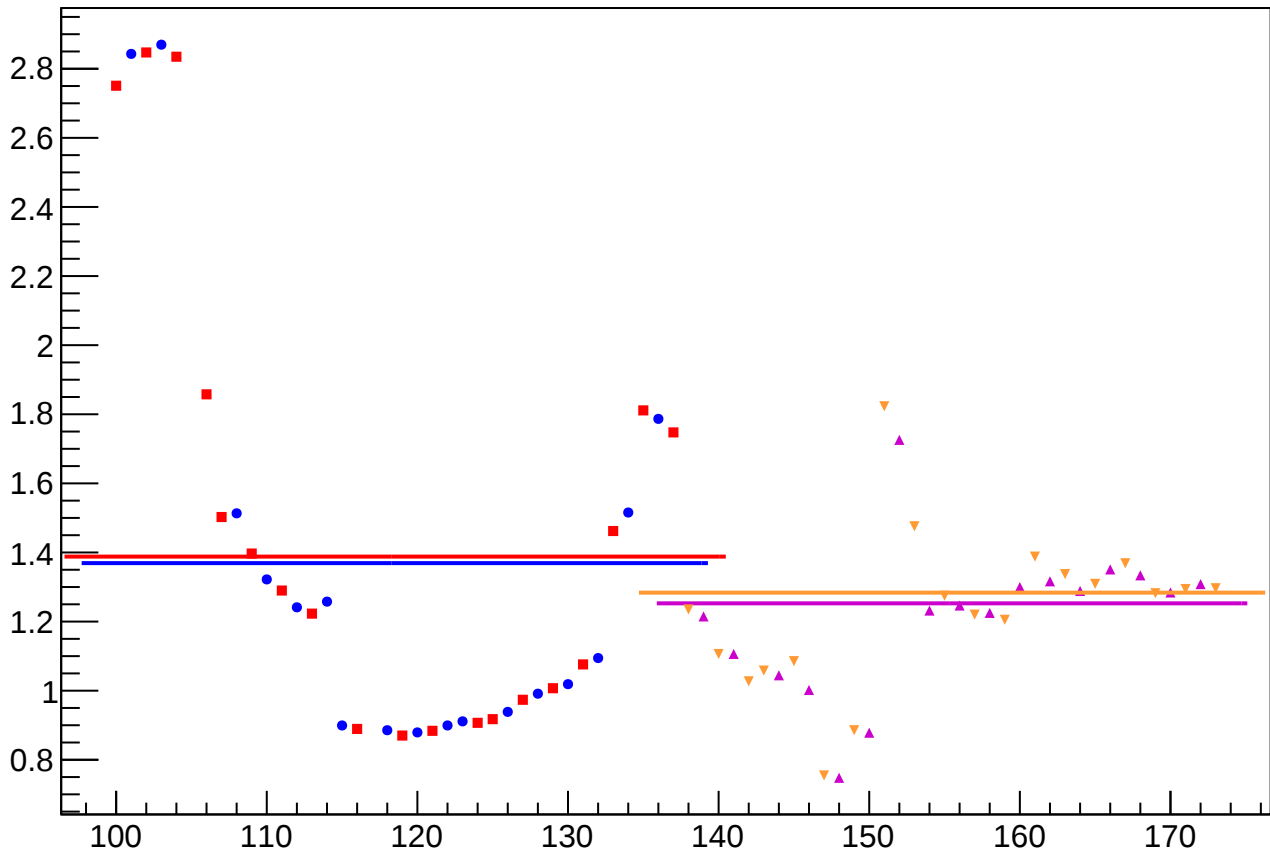
Left In: 0.008+/-0.000 χ^2/NDF : 816255.6/16

+ sign 0.008+/-0.000 χ^2/NDF : 1139696.8/35

All: 0.008+/-0.000 χ^2/NDF : 2290265.8/71

- sign 0.008+/-0.000 χ^2/NDF : 1150513.1/35

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

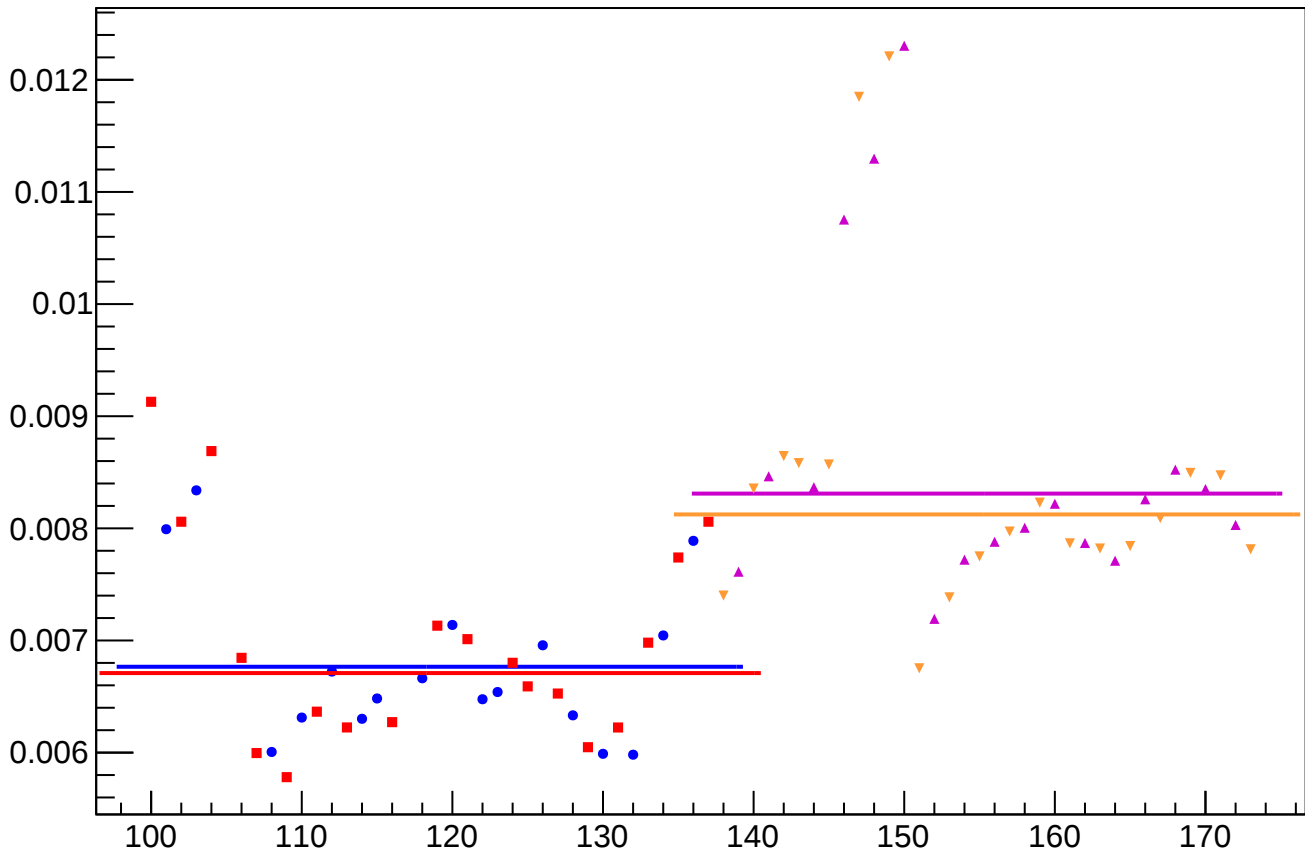
Left In: 1.253 ± 0.000 χ^2/NDF : 7283931556.8/16

+ sign 1.319 ± 0.000 χ^2/NDF : 63943116537.7/35

All: 1.317 ± 0.000 χ^2/NDF : 122668683224.4

- sign 1.315 ± 0.000 χ^2/NDF : 58722615888.9/35

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

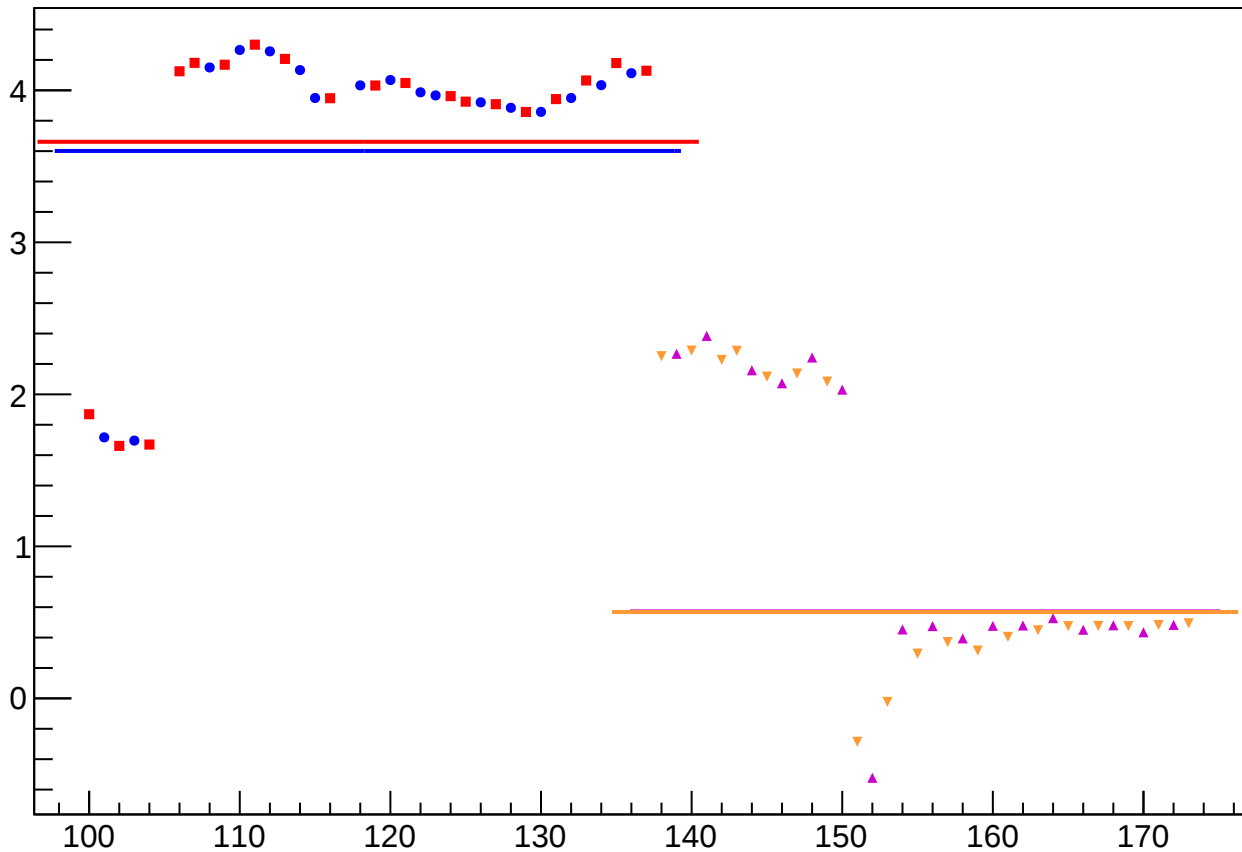
Left In: 0.008+/-0.000 χ^2/NDF : 430712.7/16

+ sign 0.008+/-0.000 χ^2/NDF : 891865.1/35

All: 0.008+/-0.000 χ^2/NDF : 1941324.4/71

- sign 0.008+/-0.000 χ^2/NDF : 1049411.7/35

yield_bpm1i04Y_mean vs Slug



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 0.568+/-0.000 χ^2/NDF : 258203493401.5/18

Right Out: 3.661+/-0.000 χ^2/NDF : 192519897222.5/18

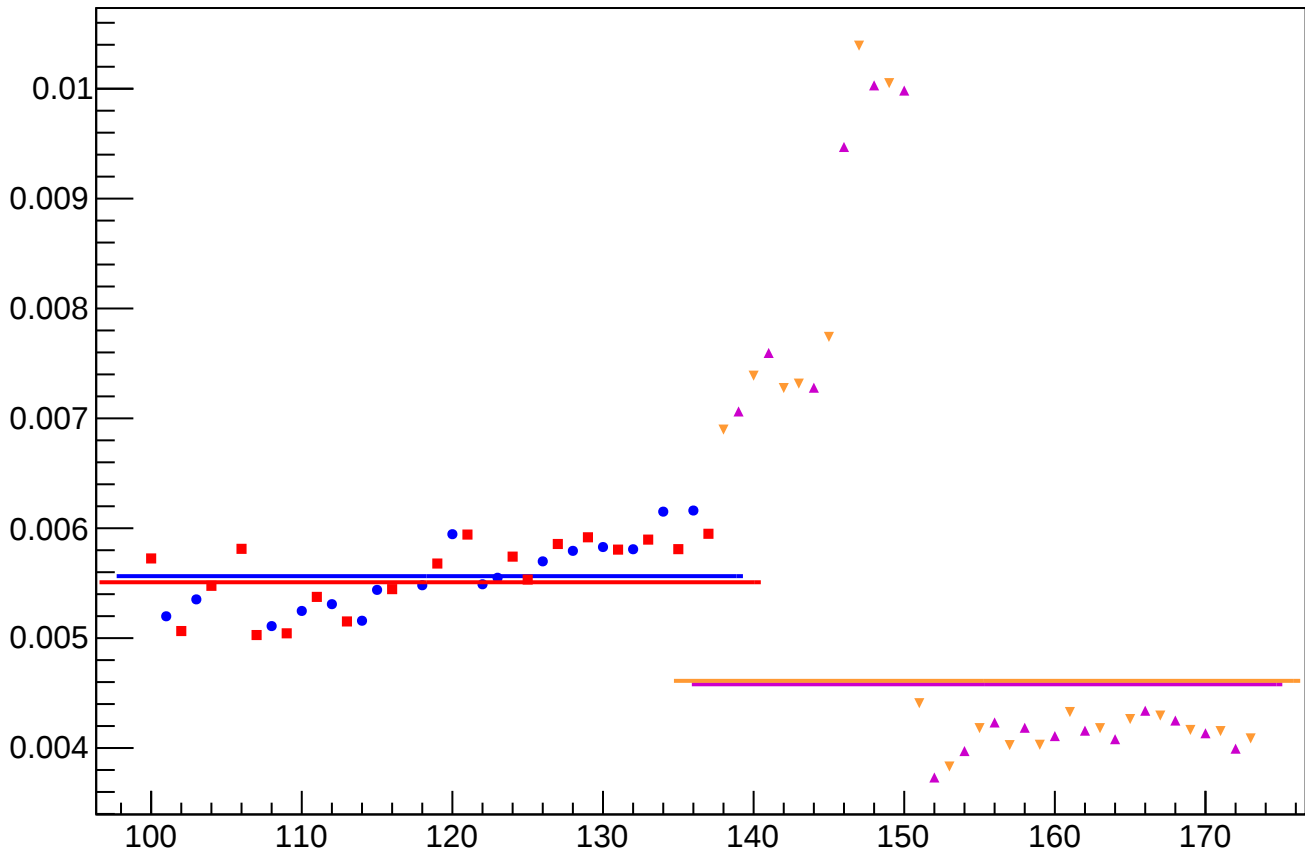
Left In: 0.572+/-0.000 χ^2/NDF : 254927167234.2/16

+ sign 1.379+/-0.000 χ^2/NDF : 1899600714820.0/35

All: 1.427+/-0.000 χ^2/NDF : 3898266851921.0/35

- sign 1.476+/-0.000 χ^2/NDF : 1994872046998.8/35

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

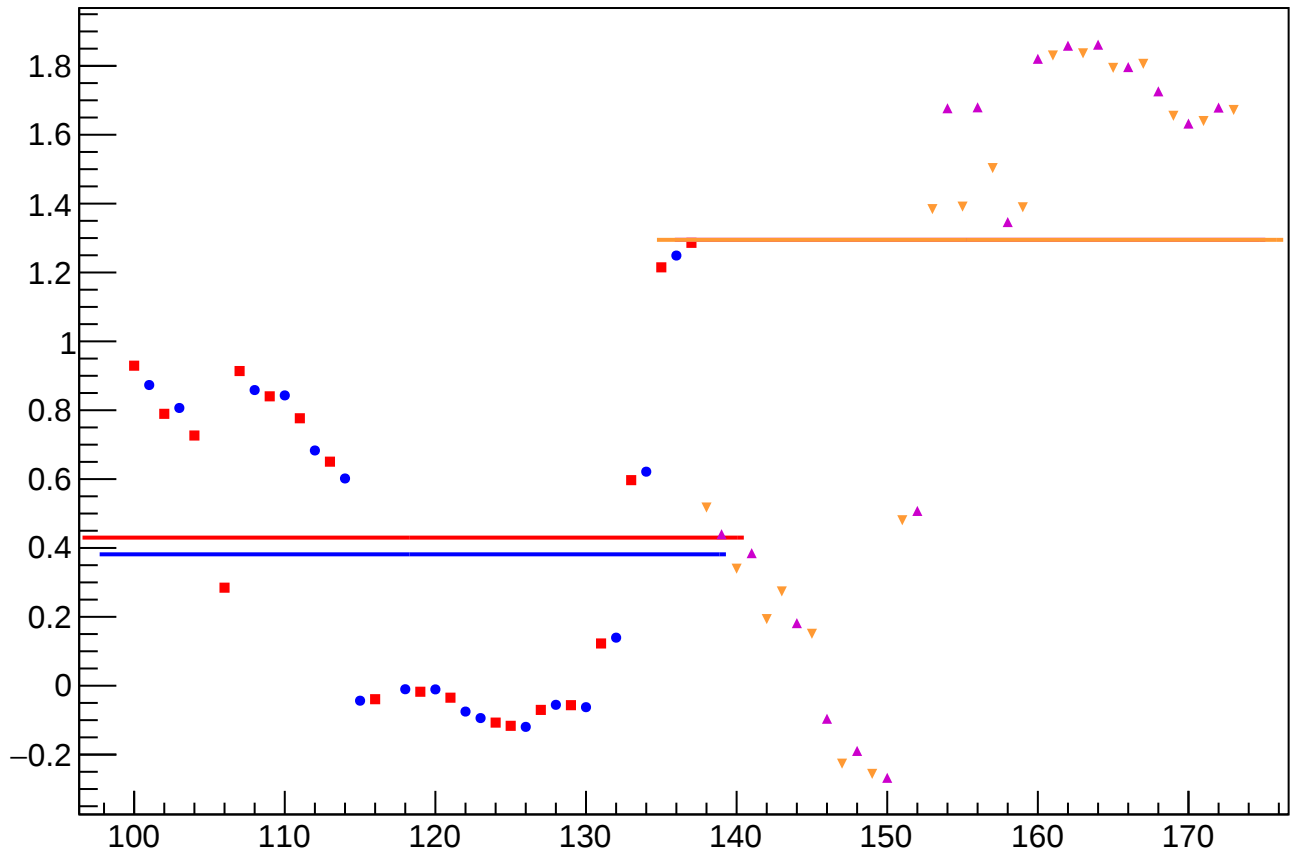
Left In: 0.005+/-0.000 χ^2/NDF :2177739.8/16

+ sign 0.005+/-0.000 χ^2/NDF : 2328827.0/35

All: 0.005+/-0.000 χ^2/NDF : 4838982.9/71

- sign 0.005+/-0.000 χ^2/NDF : 2509995.3/35

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

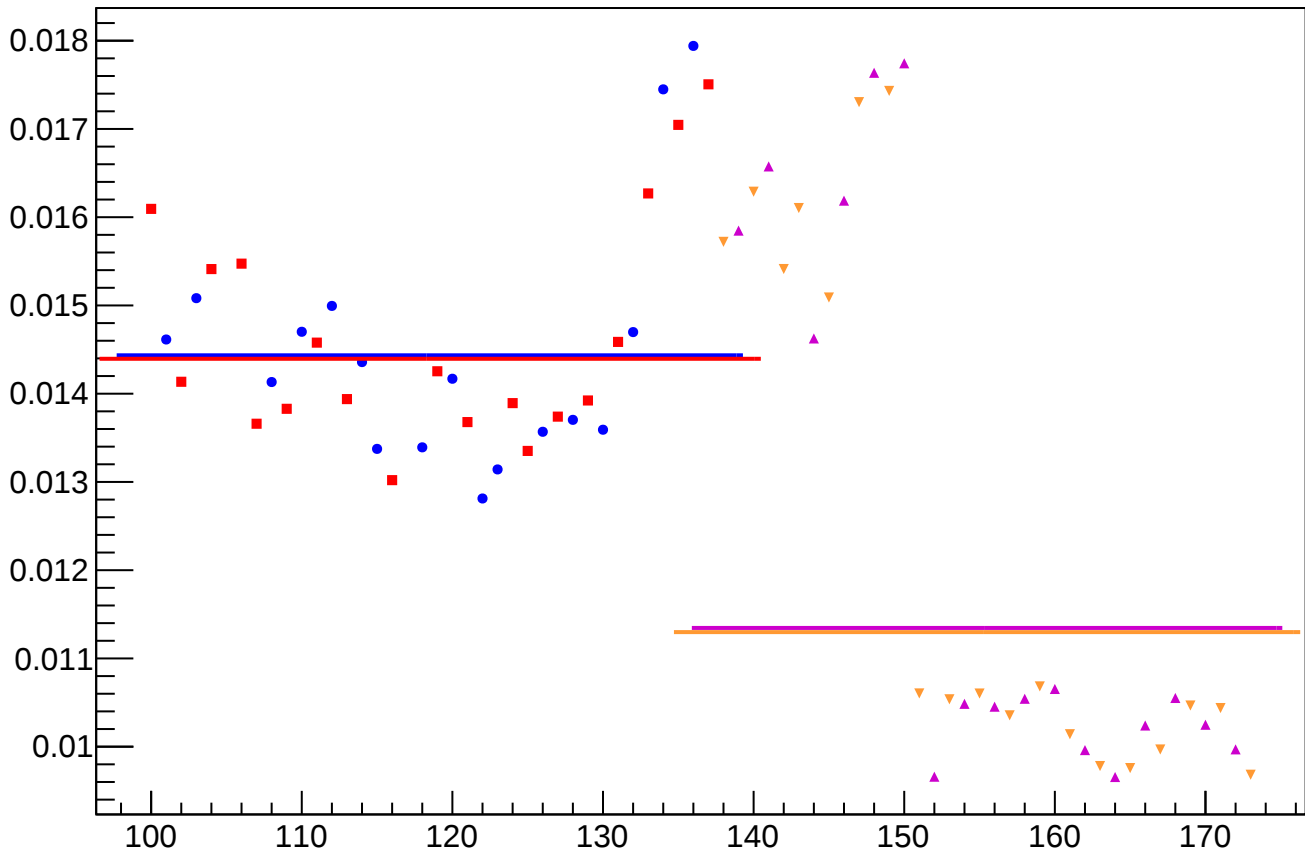
Left In: 1.295 $\pm$ 0.000 χ^2 /NDF: 46061657167.5/16

+ sign 1.083 $\pm$ 0.000 χ^2 /NDF: 69128044684.2/35

All: 1.078 $\pm$ 0.000 χ^2 /NDF: 140495181487.6

- sign 1.073 $\pm$ 0.000 χ^2 /NDF: 71360130334.0/35

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.011+/-0.000 χ^2/NDF :1130132.3/18

Right Out: 0.014+/-0.000 χ^2/NDF : 74531.6/18

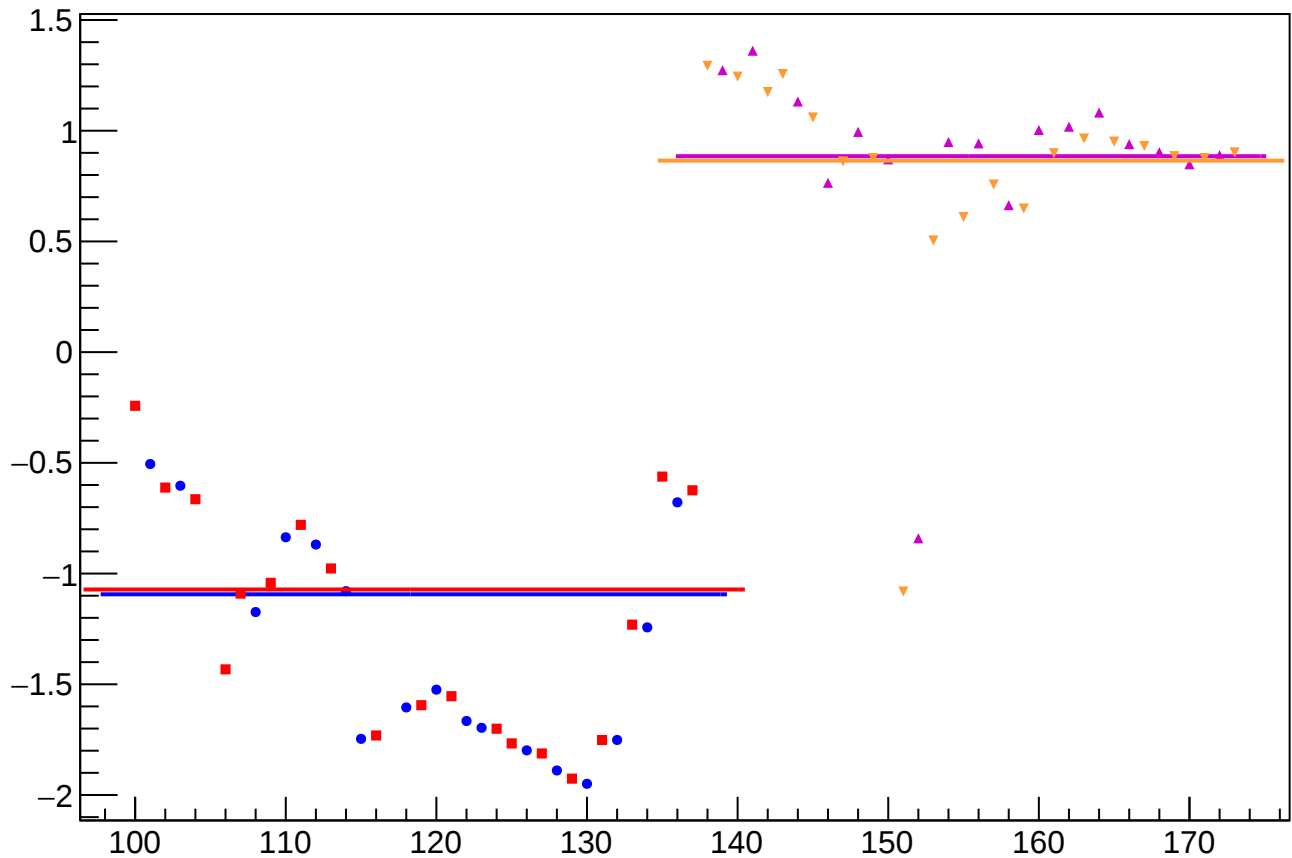
Left In: 0.011+/-0.000 χ^2/NDF :1147681.7/16

+ sign 0.012+/-0.000 χ^2/NDF : 1720741.4/35

All: 0.012+/-0.000 χ^2/NDF : 3407641.4/71

- sign 0.012+/-0.000 χ^2/NDF : 1685477.3/35

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

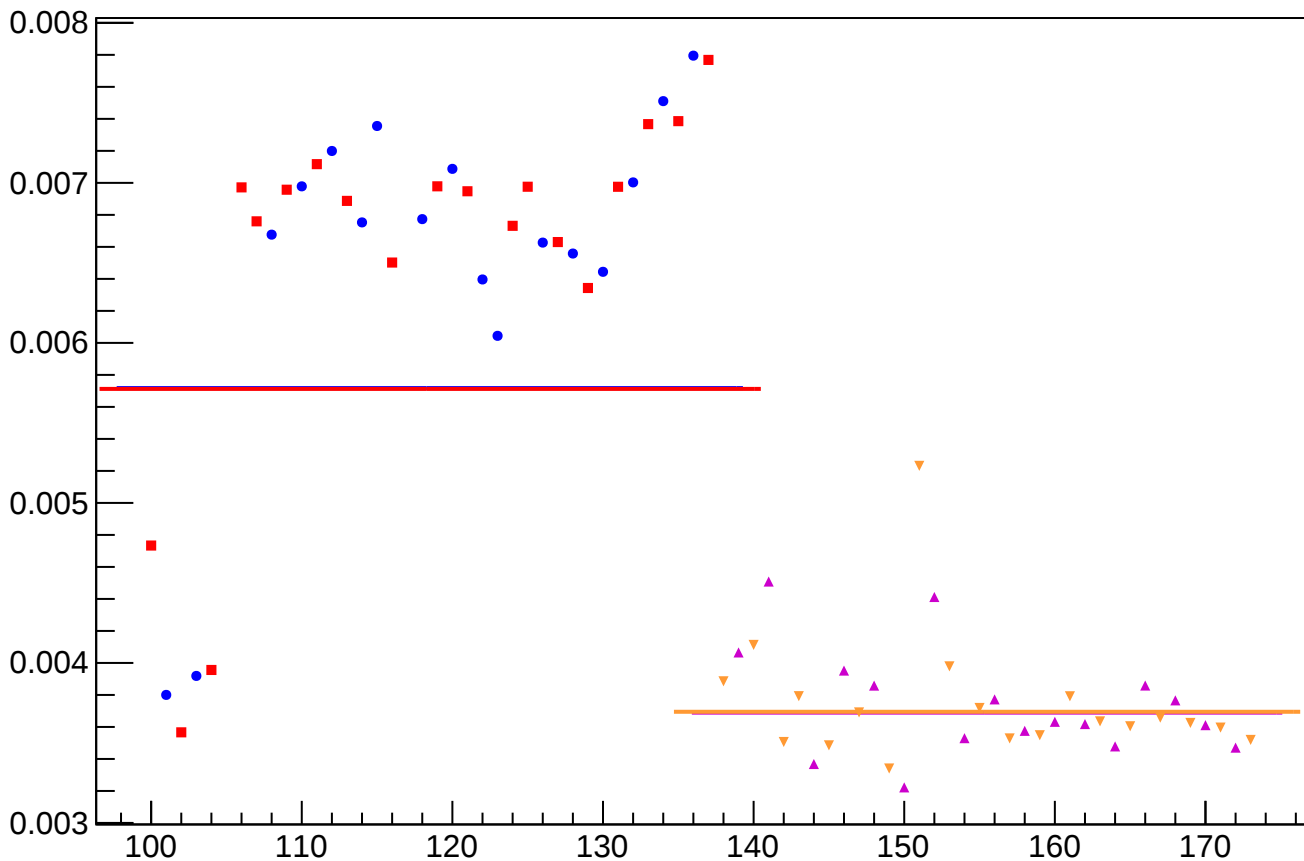
Left In: 0.885+/-0.000 χ^2/NDF : 145802825569.4/16

+ sign 0.547+/-0.000 χ^2/NDF : 764696852633.3/35

All: 0.542+/-0.000 χ^2/NDF : 1551916582852.0/70

- sign 0.537+/-0.000 χ^2/NDF : 787158036715.7/35

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 837775.0/16

Left Out: 0.004+/-0.000 χ^2/NDF :167436.2/18

Right Out: 0.006+/-0.000 χ^2/NDF : 923899.1/18

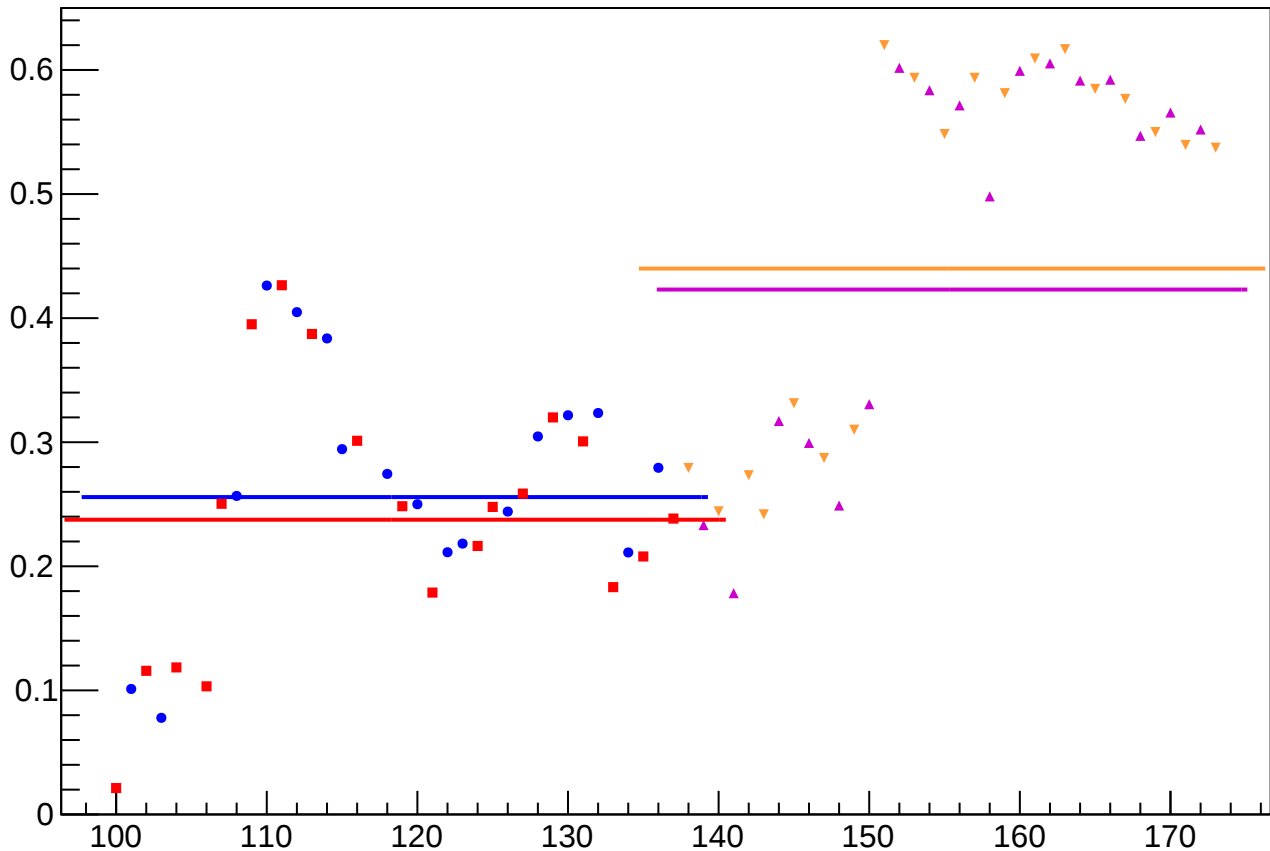
Left In: 0.004+/-0.000 χ^2/NDF :177536.0/16

+ sign 0.004+/-0.000 χ^2/NDF : 2250548.7/35

All: 0.004+/-0.000 χ^2/NDF : 4623509.4/71

- sign 0.004+/-0.000 χ^2/NDF : 2372186.4/35

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

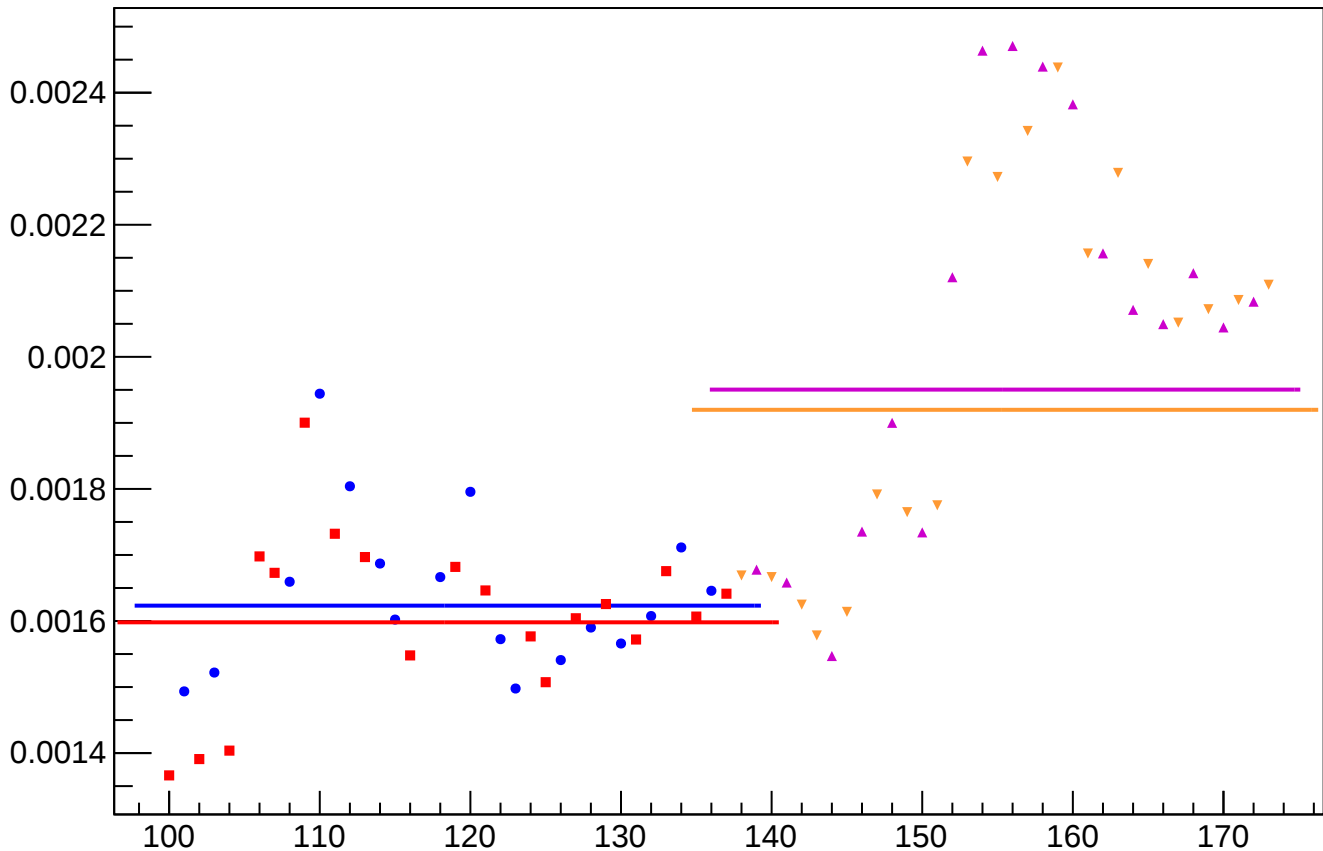
Left In: 0.423 $\pm$ 0.000 χ^2 /NDF: 83046792643.3/16

+ sign 0.367 $\pm$ 0.000 χ^2 /NDF: 157806333345.6/35

All: 0.353 $\pm$ 0.000 χ^2 /NDF: 320769677860.0

- sign 0.340 $\pm$ 0.000 χ^2 /NDF: 160646163008.4/35

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 52468.7/16

Left Out: 0.002+/-0.000 χ^2/NDF : 553093.5/18

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

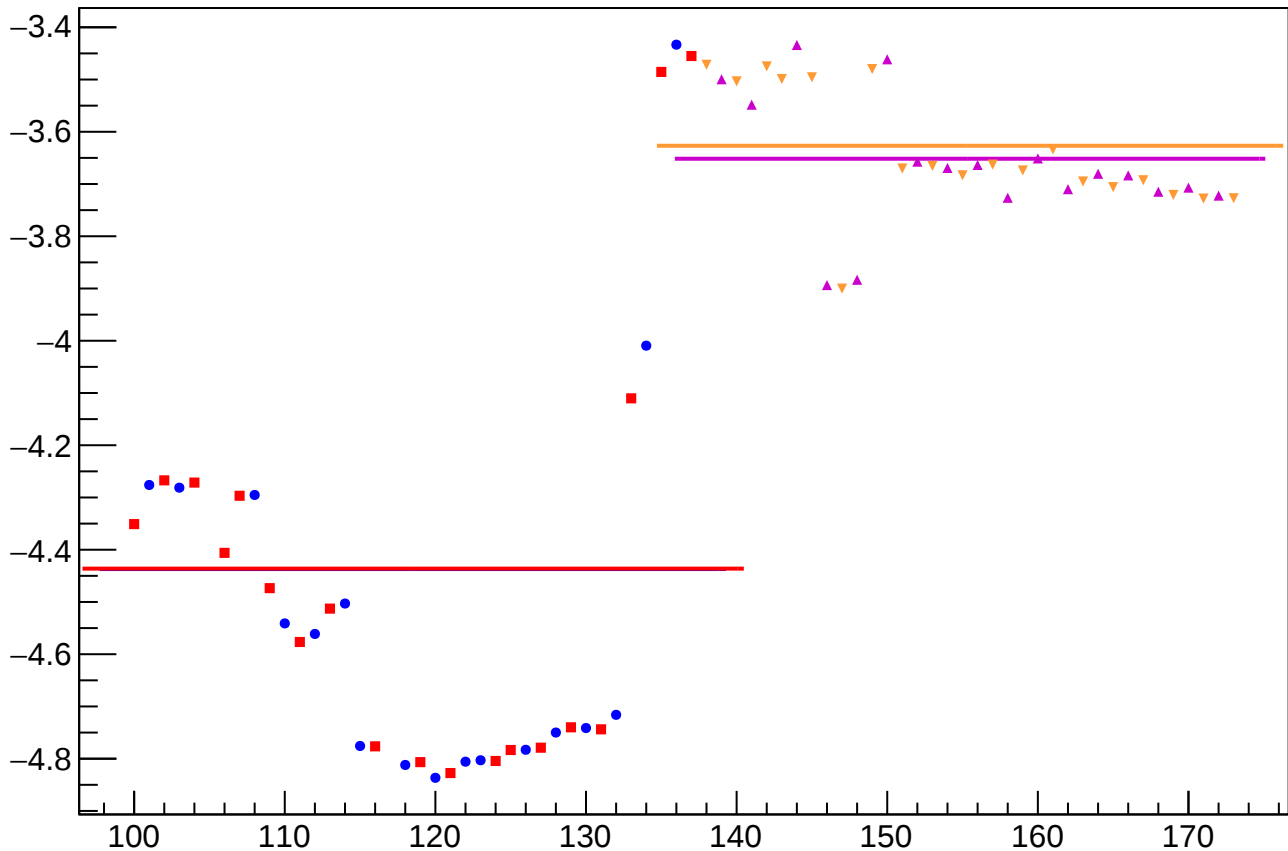
Left In: 0.002+/-0.000 χ^2/NDF : 563419.6/16

+ sign 0.002+/-0.000 χ^2/NDF : 865517.7/35

All: 0.002+/-0.000 χ^2/NDF : 1892338.4/71

- sign 0.002+/-0.000 χ^2/NDF : 1026124.9/35

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

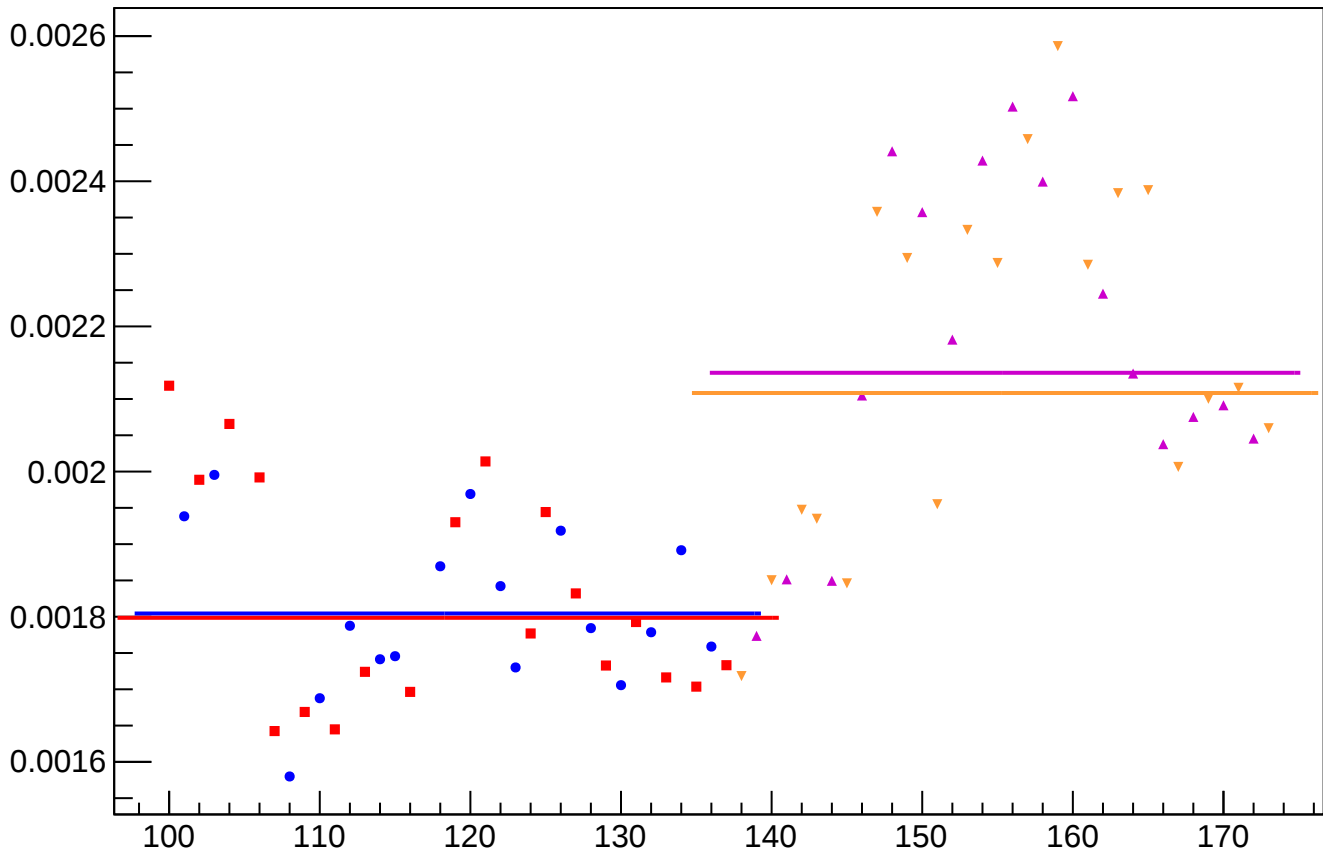
Left In: -3.652+/-0.000 χ^2/NDF : 45674799344.2/16

+ sign -3.945+/-0.000 χ^2/NDF : 1229029748232.7/3

All: -3.967+/-0.000 χ^2/NDF : 2348842558654

- sign -3.990+/-0.000 χ^2/NDF : 1114869464602.9/3

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 49103.2/16

Left Out: 0.002+/-0.000 χ^2/NDF : 343602.1/18

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

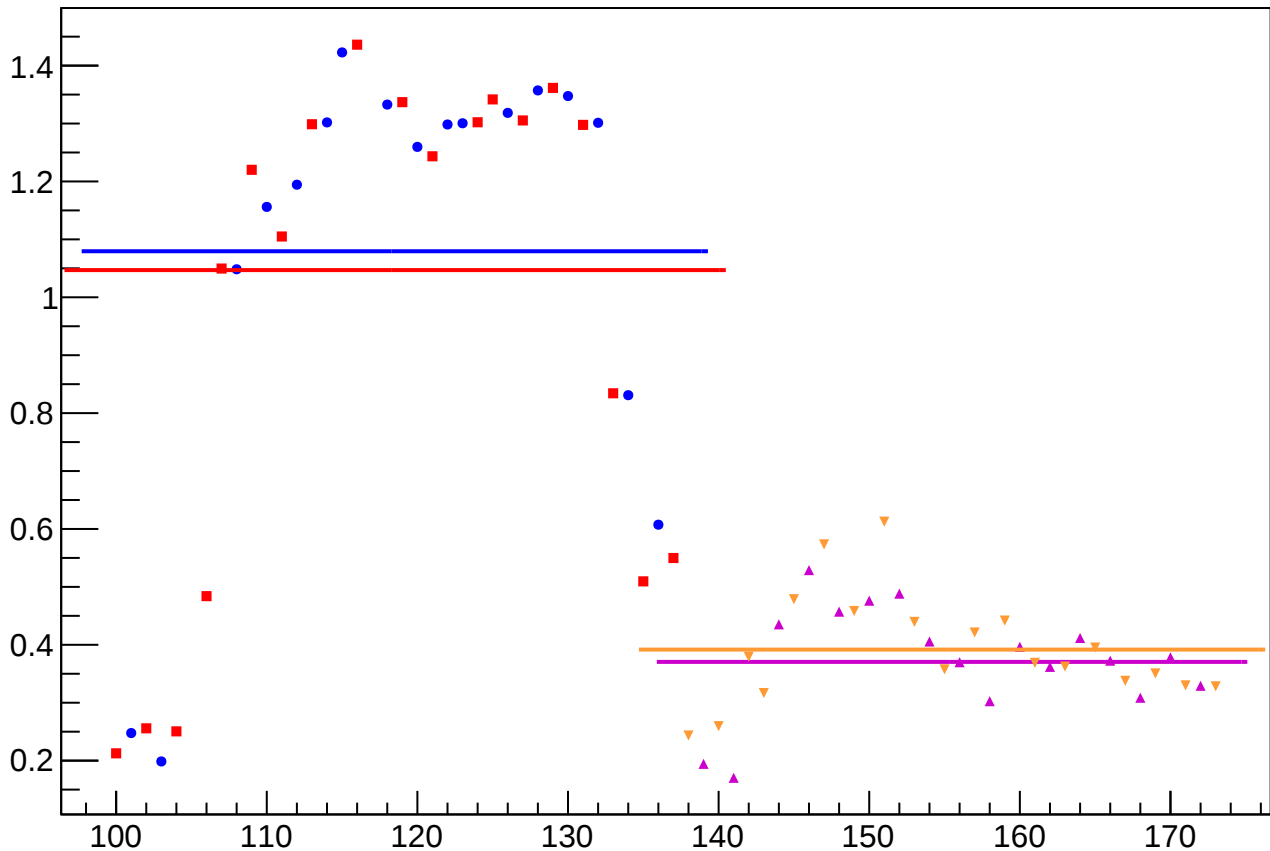
Left In: 0.002+/-0.000 χ^2/NDF : 299220.4/16

+ sign 0.002+/-0.000 χ^2/NDF : 616594.2/35

All: 0.002+/-0.000 χ^2/NDF : 1272329.2/71

- sign 0.002+/-0.000 χ^2/NDF : 655718.6/35

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

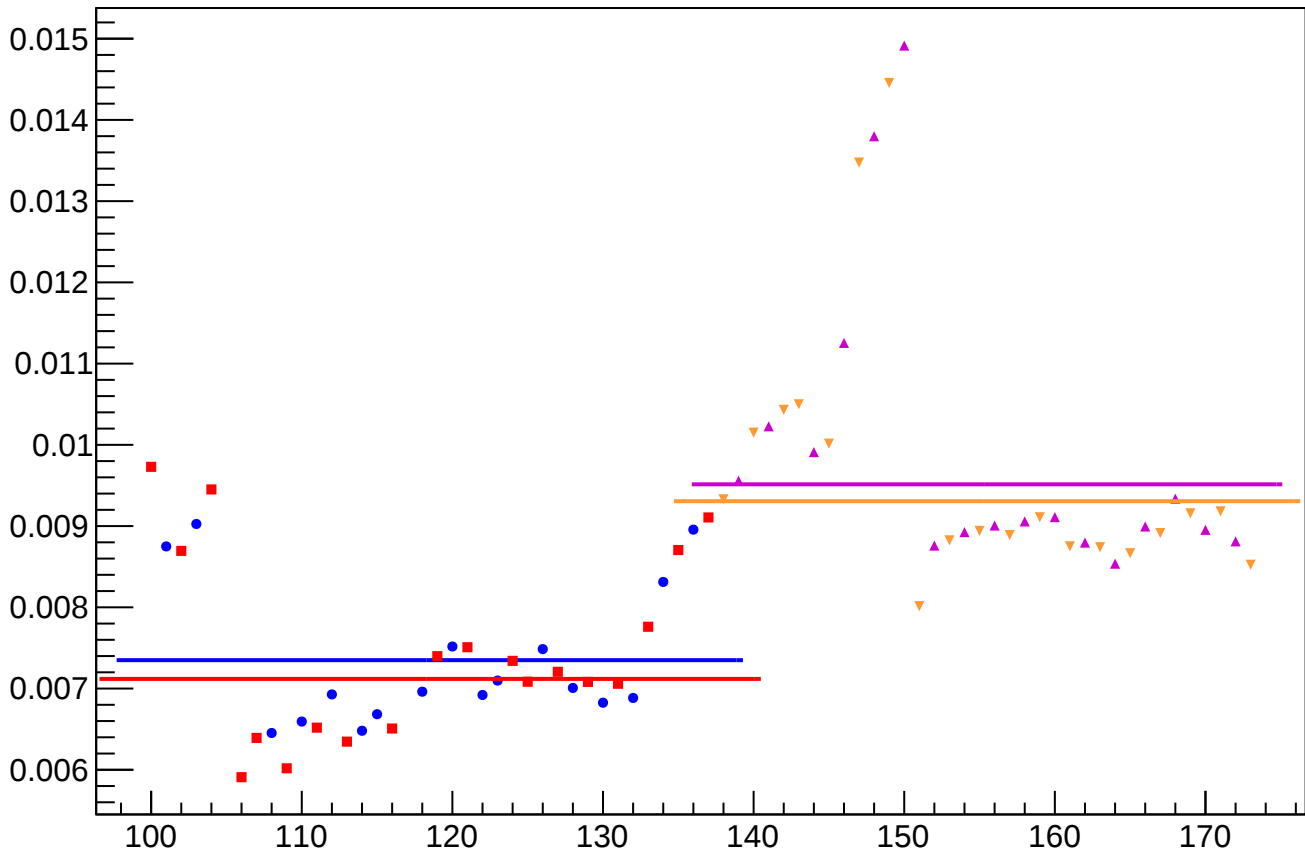
Left In: 0.370 $\pm$ 0.000 χ^2 /NDF:1104362157.5/16

+ sign 0.690 $\pm$ 0.000 χ^2 /NDF: 51712850288.2/35

All: 0.696 $\pm$ 0.000 χ^2 /NDF: 104513572395.1

- sign 0.703 $\pm$ 0.000 χ^2 /NDF: 52773693913.0/35

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

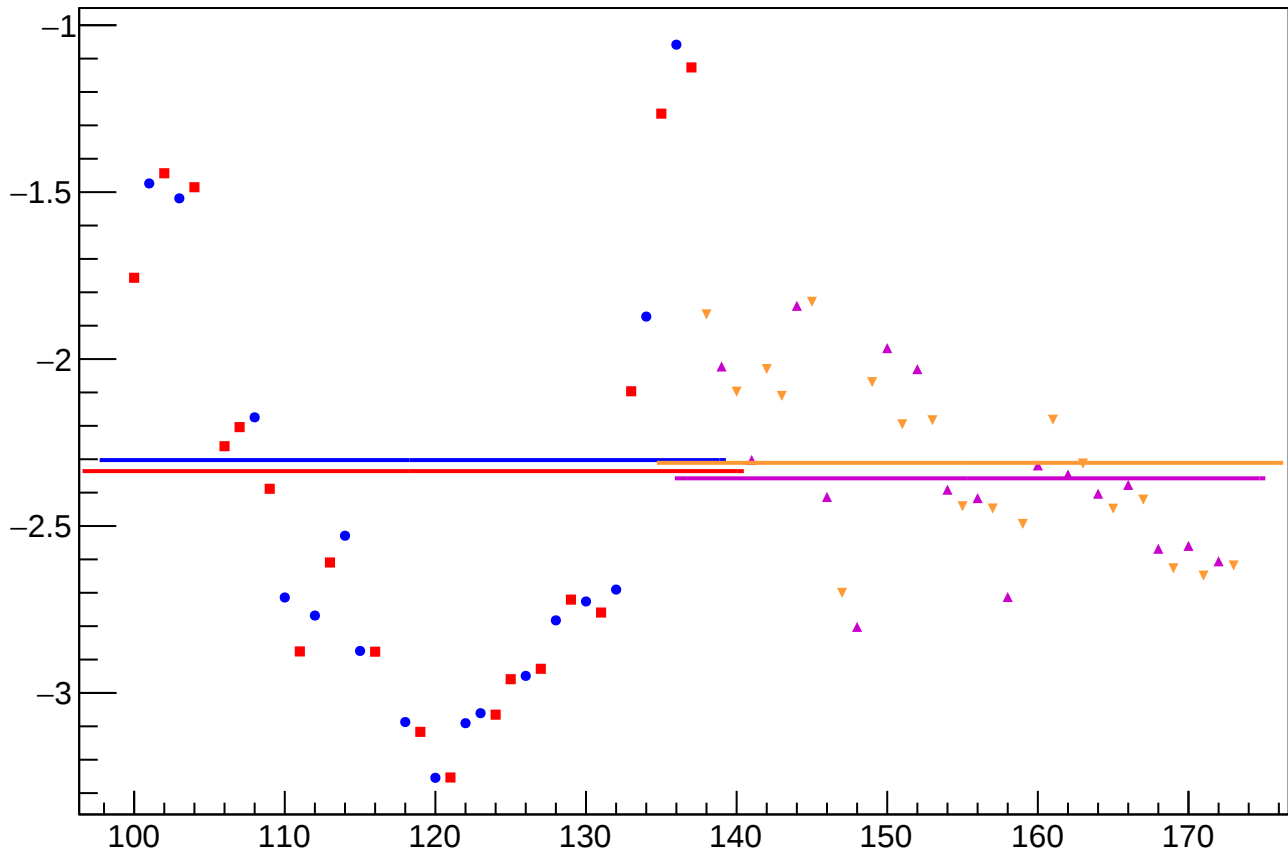
Left In: 0.010+/-0.000 χ^2/NDF : 506123.3/16

+ sign 0.008+/-0.000 χ^2/NDF : 1197026.2/35

All: 0.008+/-0.000 χ^2/NDF : 2768713.2/71

- sign 0.008+/-0.000 χ^2/NDF : 1567374.1/35

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

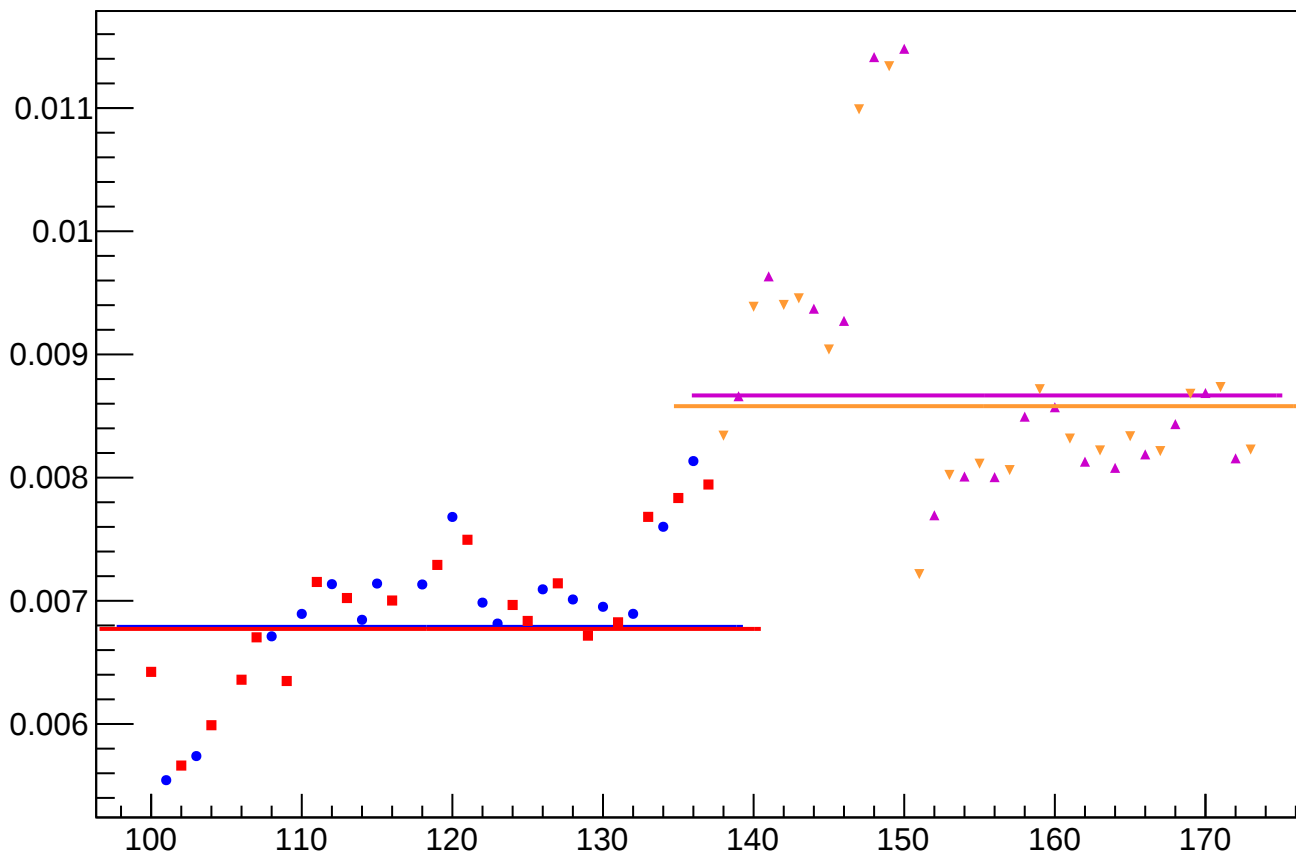
Left In: -2.357 ± 0.000 χ^2/NDF : 10522457996.8/16

+ sign -2.307 ± 0.000 χ^2/NDF : 85388619246.1/35

All: -2.327 ± 0.000 χ^2/NDF : 160709799763.7

- sign -2.347 ± 0.000 χ^2/NDF : 75059700554.1/35

yield_bpm2i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 165199.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 293087.8/18

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 123244.0/18

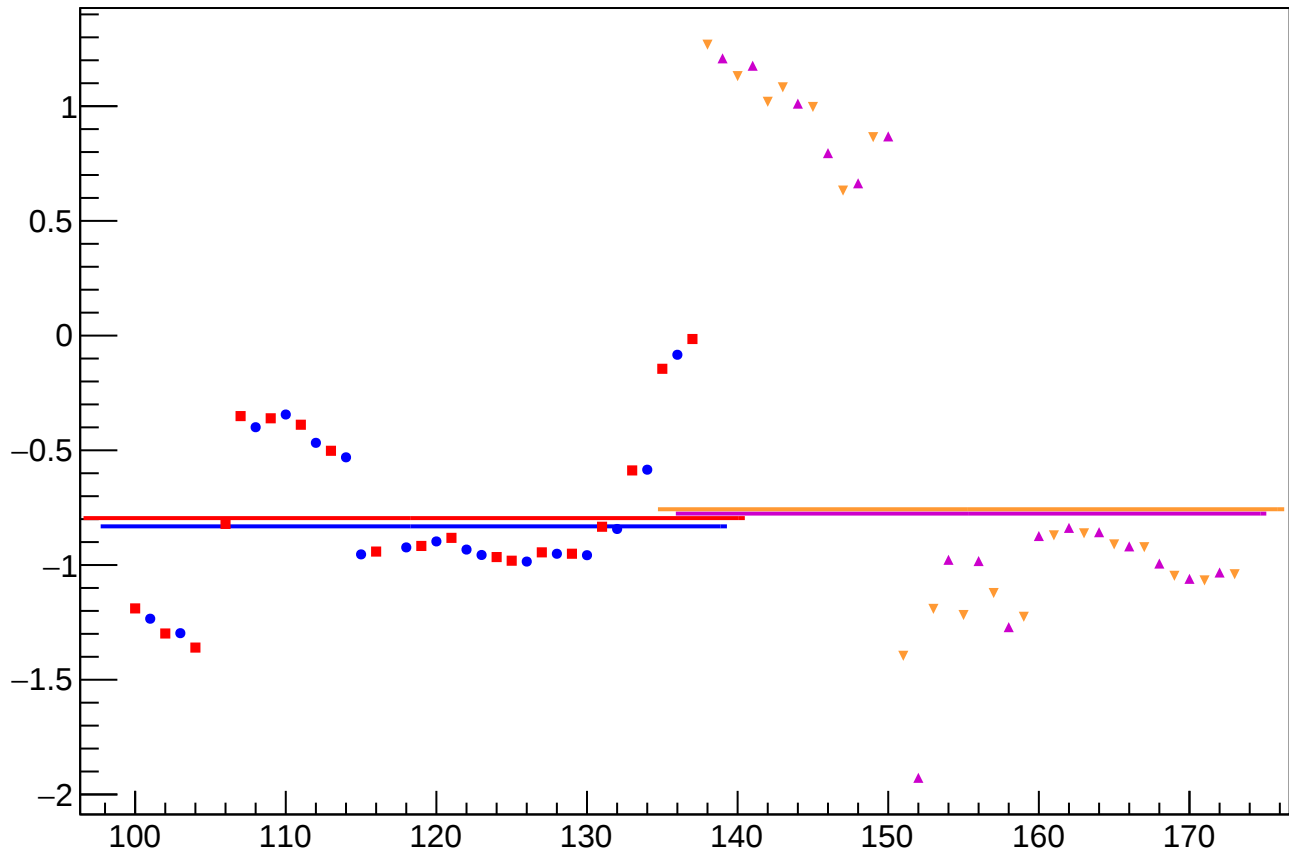
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 302910.2/16

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 984536.9/35

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 1996172.2/71

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1011279.7/35

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

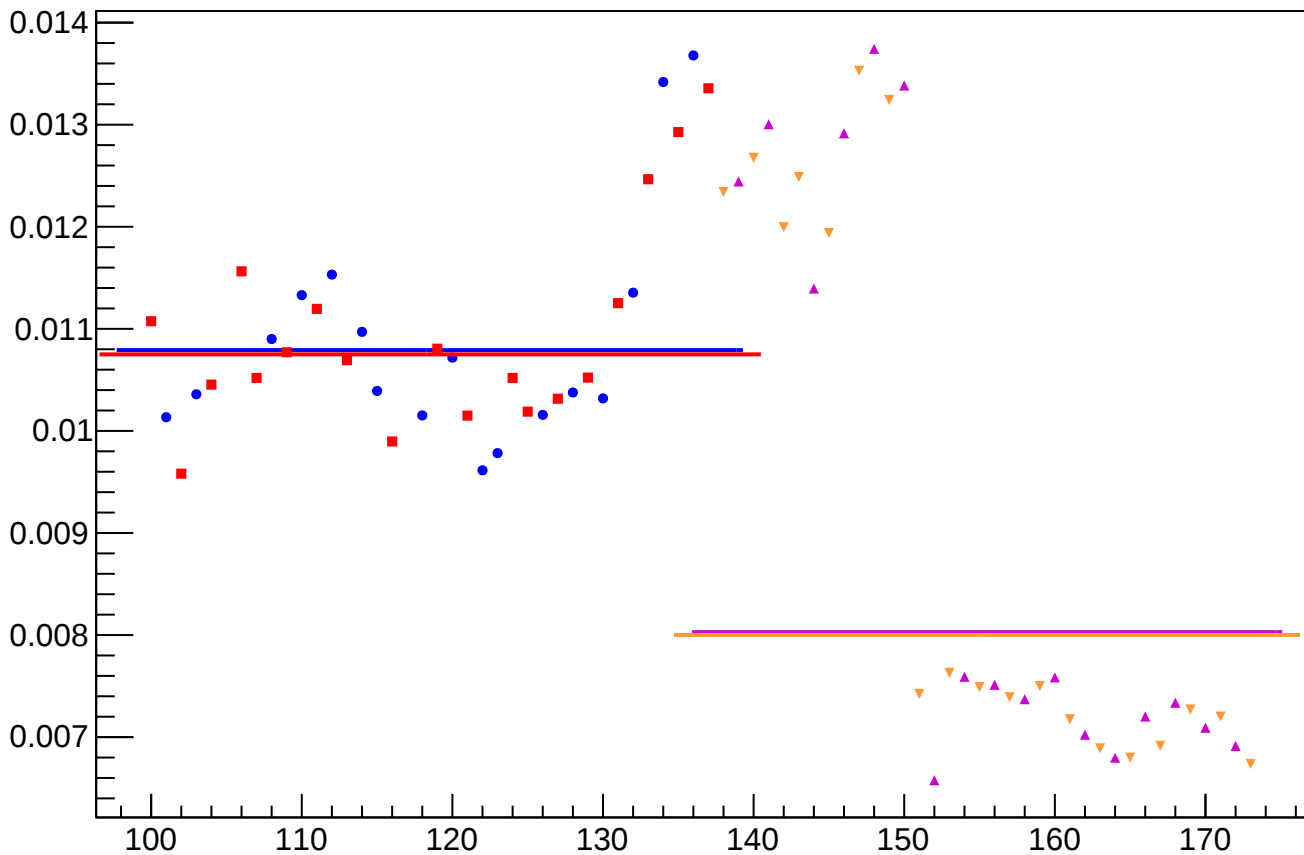
Left In: -0.776 ± 0.000 χ^2/NDF : 122445518471.1/16

+ sign -0.773 ± 0.000 χ^2/NDF : 124169851867.2/35

All: -0.777 ± 0.000 χ^2/NDF : 254461944086.2

- sign -0.781 ± 0.000 χ^2/NDF : 130284881622.2/35

yield_bpm0i01X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 125802.4/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1572802.0/18

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 90220.8/18

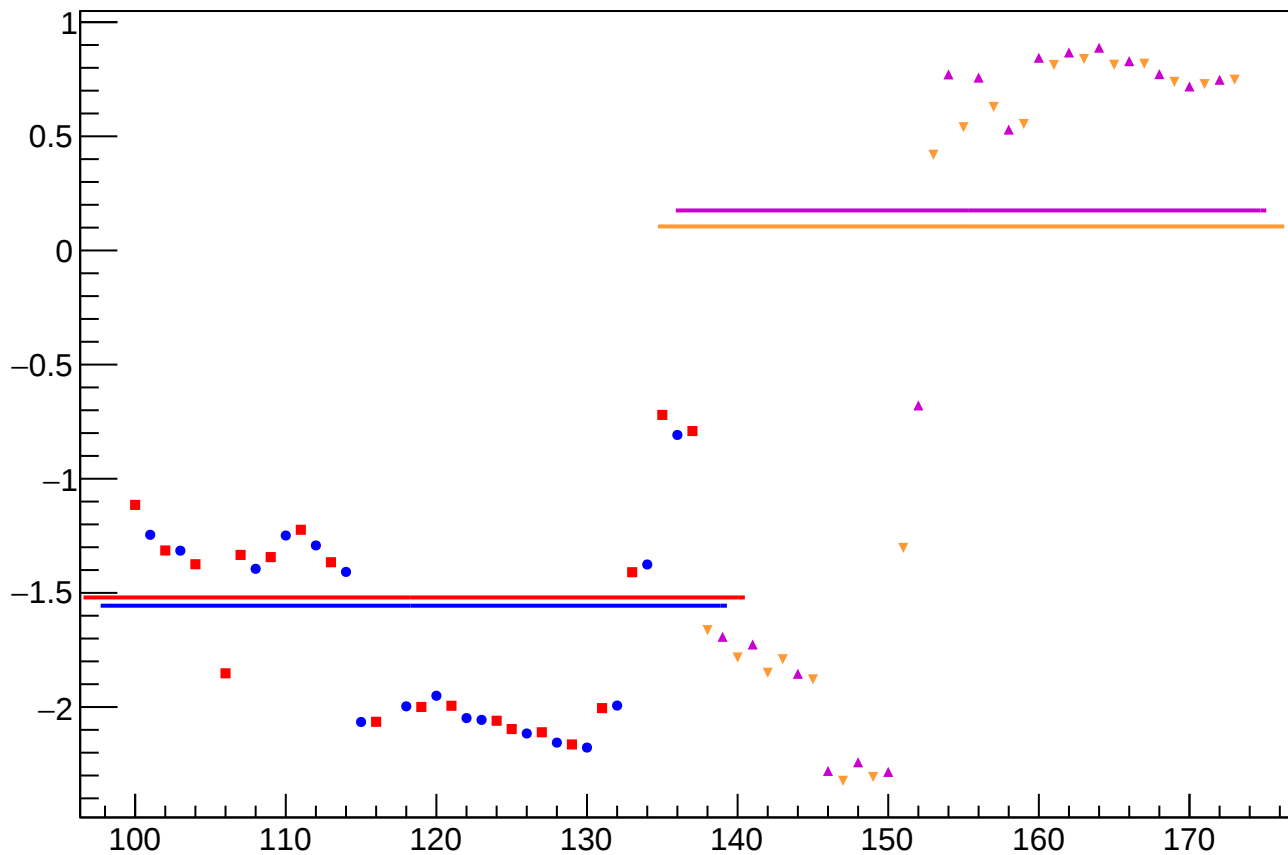
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1592947.8/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2387287.8/35

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4743293.2/71

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2354410.1/35

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

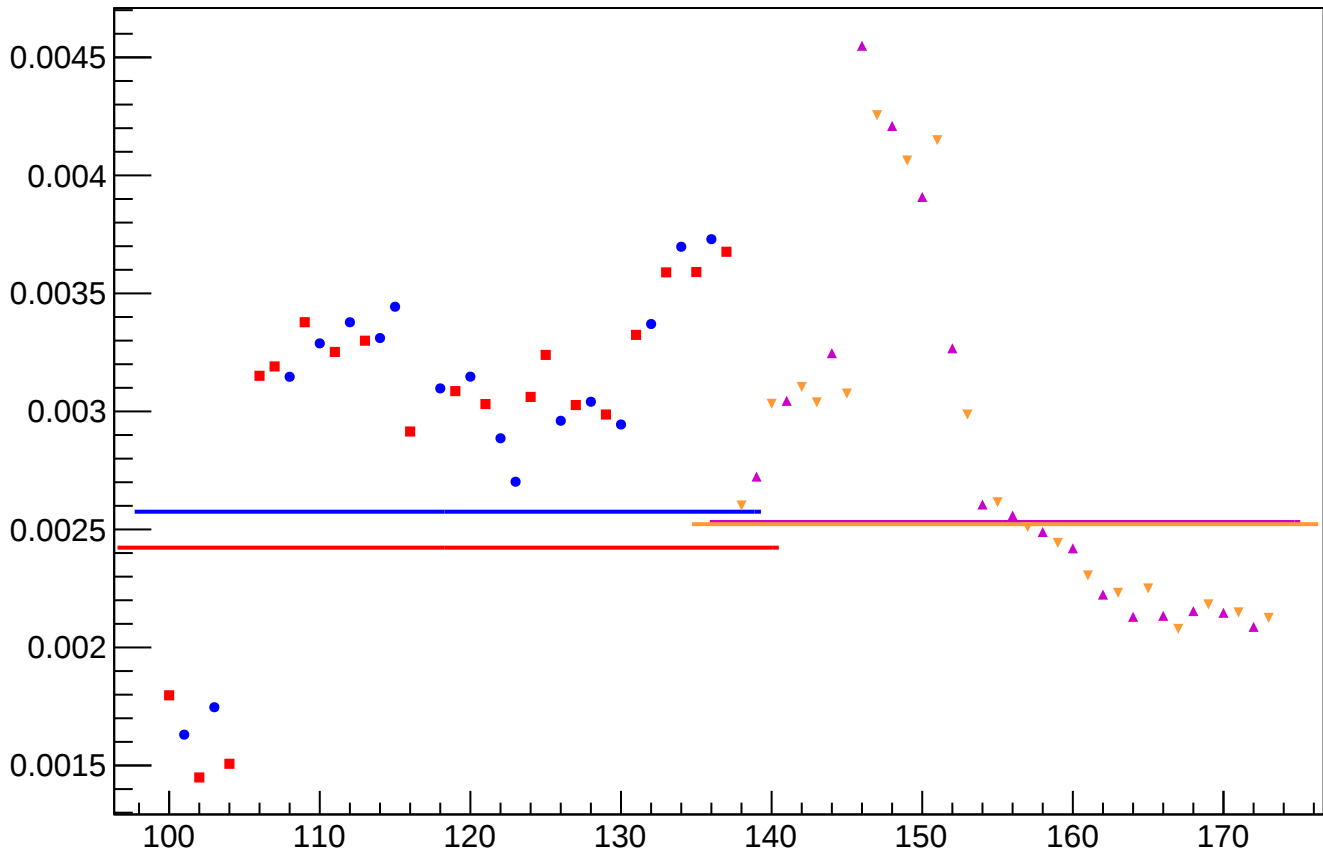
Left In: 0.175+/-0.000 χ^2/NDF : 2092067714985.6/16

+ sign -0.404+/-0.000 χ^2/NDF : 4094798178870.9/3

All: -0.414+/-0.000 χ^2/NDF : 8119343507663

- sign -0.425+/-0.000 χ^2/NDF : 4023943241680.0/3

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

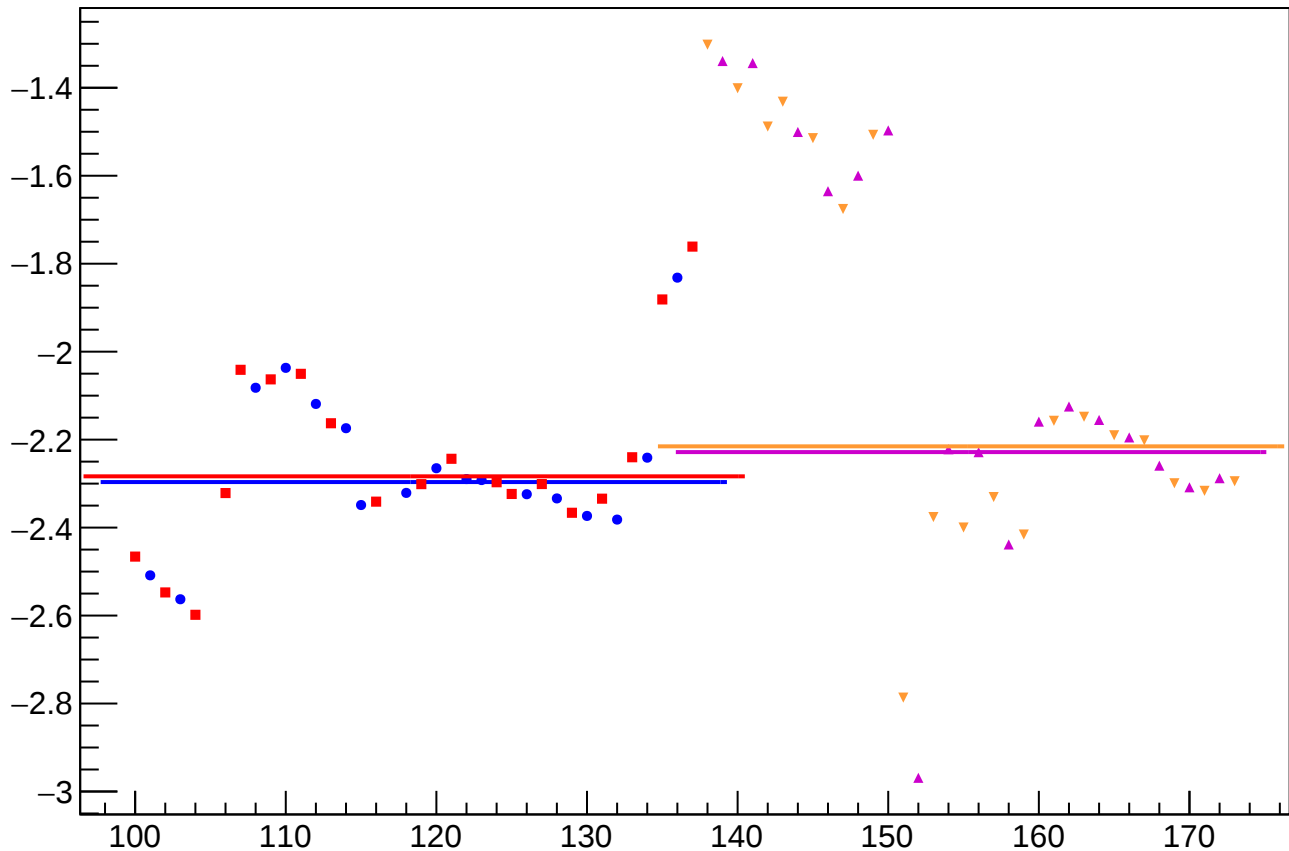
Left In: 0.003+/-0.000 χ^2/NDF :1040097.5/16

+ sign 0.003+/-0.000 χ^2/NDF : 2005874.7/35

All: 0.003+/-0.000 χ^2/NDF : 4556527.0/71

- sign 0.002+/-0.000 χ^2/NDF : 2544983.2/35

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

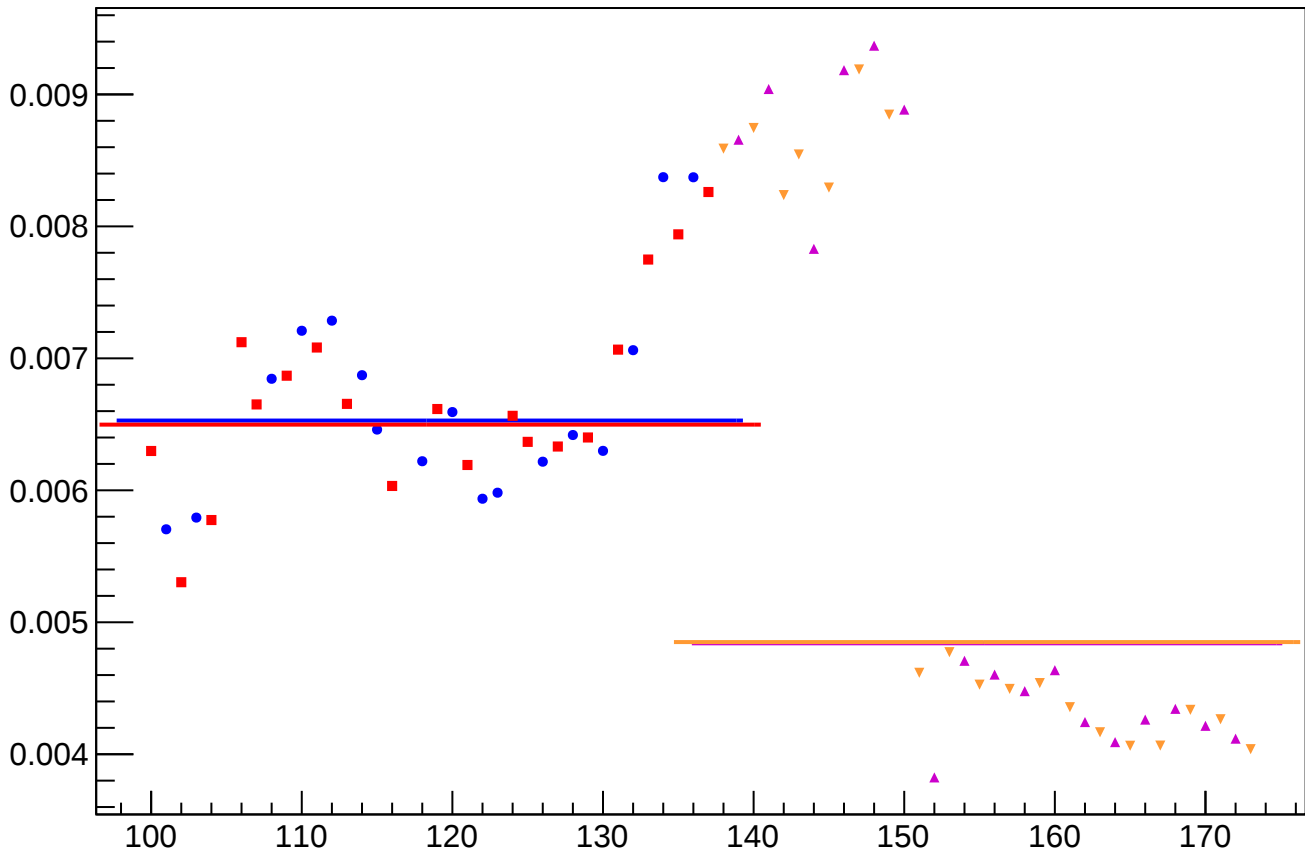
Left In: -2.228+/-0.000 χ^2/NDF : 66850793826.2/16

+ sign -2.233+/-0.000 χ^2/NDF : 58902903769.1/35

All: -2.237+/-0.000 χ^2/NDF : 132696094425.6

- sign -2.242+/-0.000 χ^2/NDF : 73768052588.7/35

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

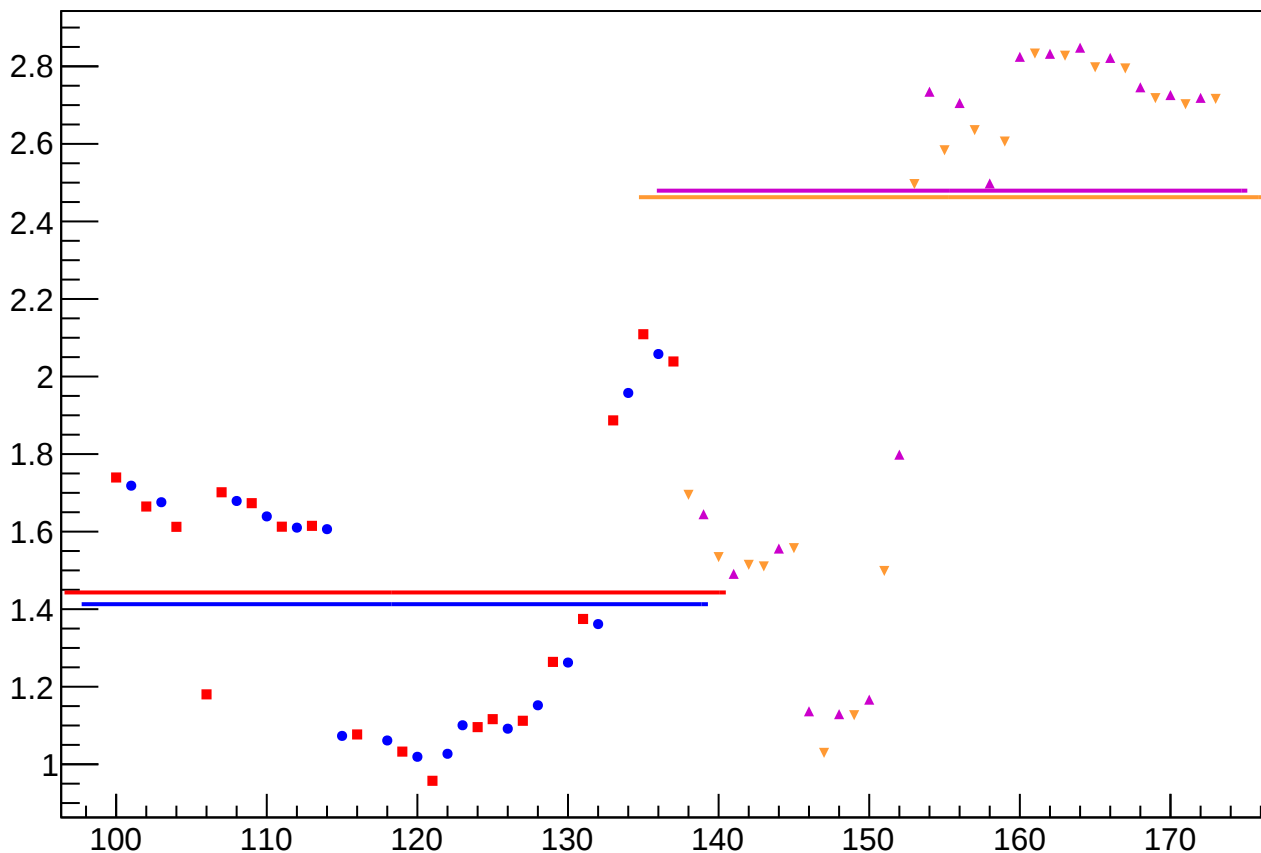
Left In: 0.005+/-0.000 χ^2/NDF :2191351.0/16

+ sign 0.005+/-0.000 χ^2/NDF : 2988221.5/35

All: 0.005+/-0.000 χ^2/NDF : 6010780.3/71

- sign 0.005+/-0.000 χ^2/NDF : 3022107.3/35

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

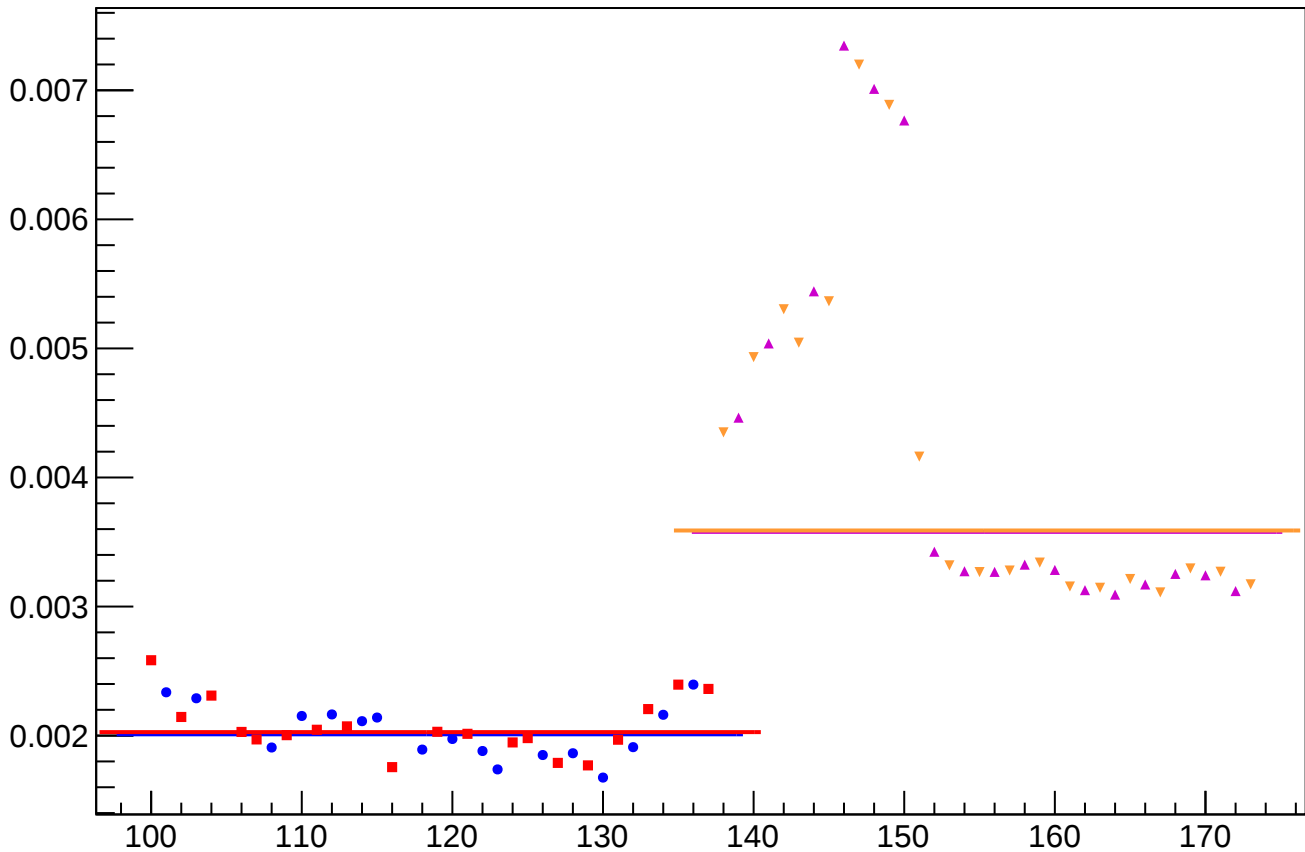
Left In: 2.479+/-0.000 χ^2/NDF : 235156724074.4/16

+ sign 1.823+/-0.000 χ^2/NDF : 1070122580125.0/35

All: 1.822+/-0.000 χ^2/NDF : 2095287124401.0/35

- sign 1.820+/-0.000 χ^2/NDF : 1025154261374.6/35

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

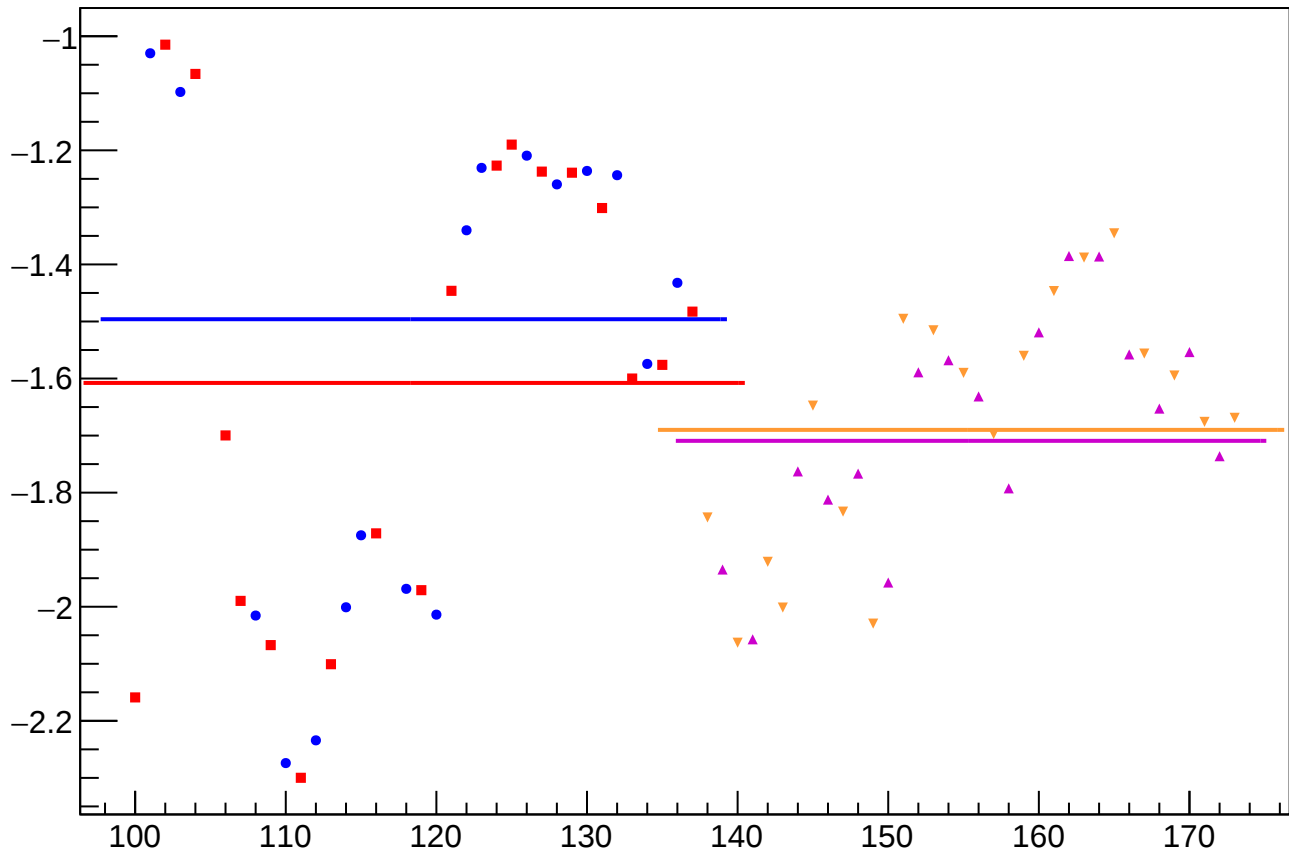
Left In: 0.004+/-0.000 χ^2/NDF :1498108.2/16

+ sign 0.003+/-0.000 χ^2/NDF : 4450065.2/35

All: 0.003+/-0.000 χ^2/NDF : 8820152.9/71

- sign 0.003+/-0.000 χ^2/NDF : 4366928.5/35

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

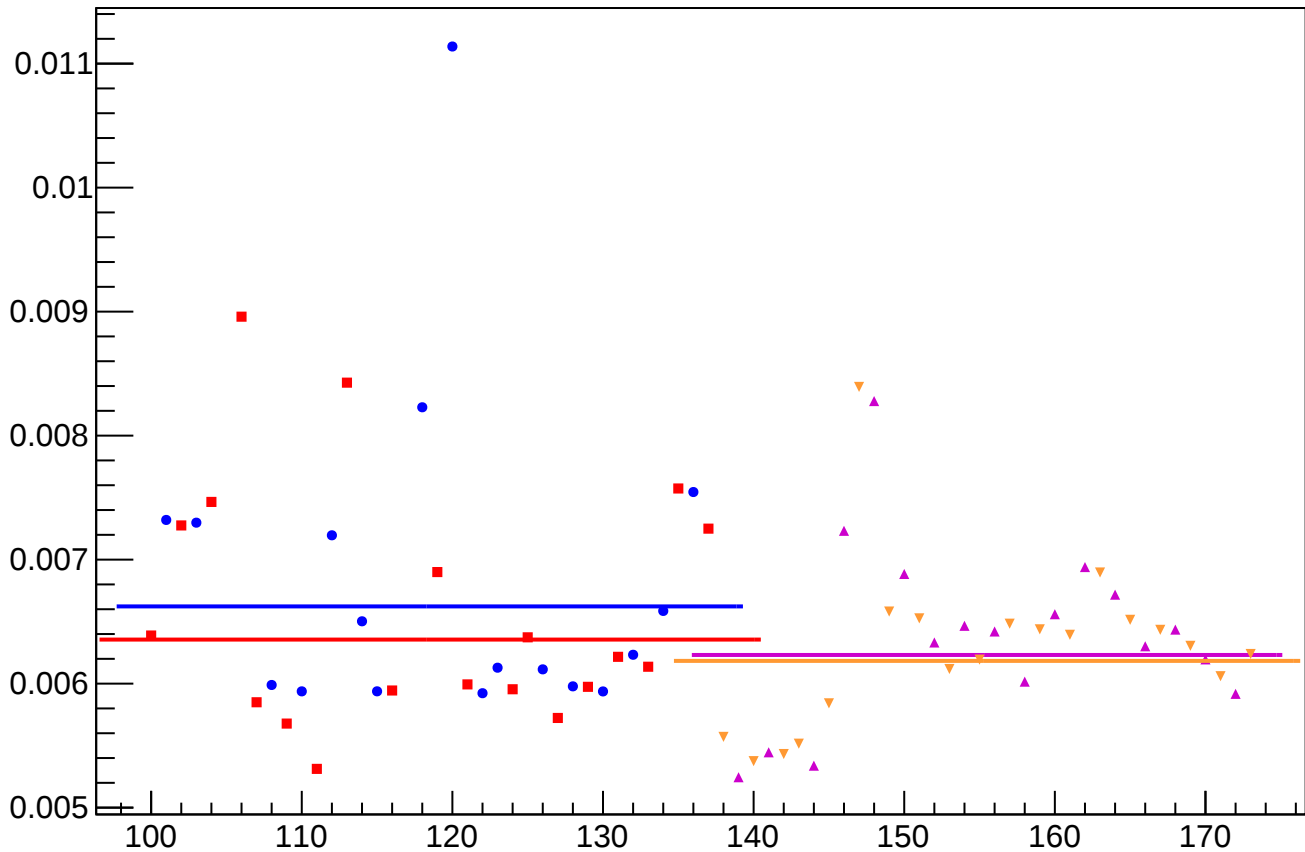
Left In: -1.709+/-0.000 χ^2/NDF : 11255680936.0/16

+ sign -1.635+/-0.000 χ^2/NDF : 41954904976.7/35

All: -1.655+/-0.000 χ^2/NDF : 82543361879.6/35

- sign -1.675+/-0.000 χ^2/NDF : 40203491561.0/35

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

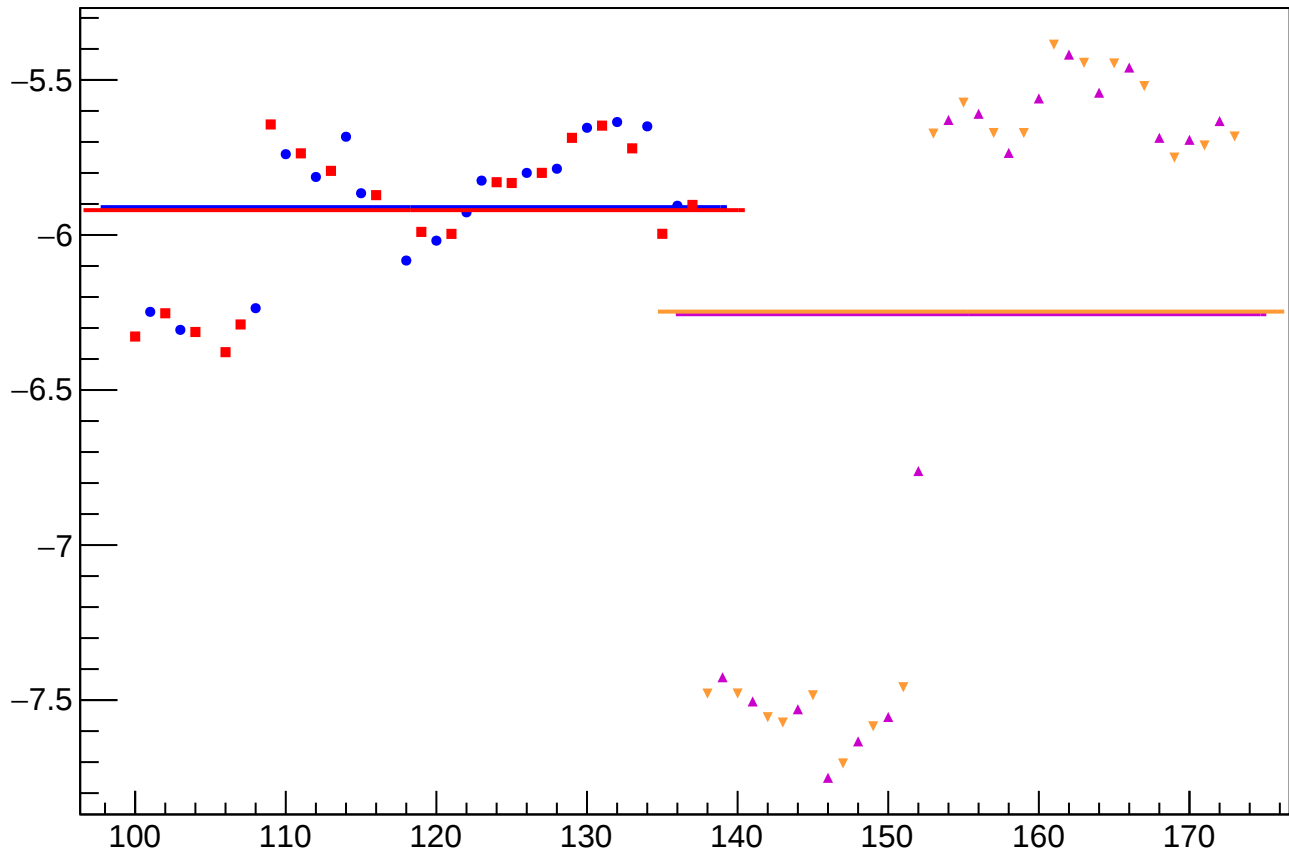
Left In: 0.006+/-0.000 χ^2/NDF : 292549.4/16

+ sign 0.006+/-0.000 χ^2/NDF : 498240.5/35

All: 0.006+/-0.000 χ^2/NDF : 1022563.3/71

- sign 0.006+/-0.000 χ^2/NDF : 523734.5/35

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

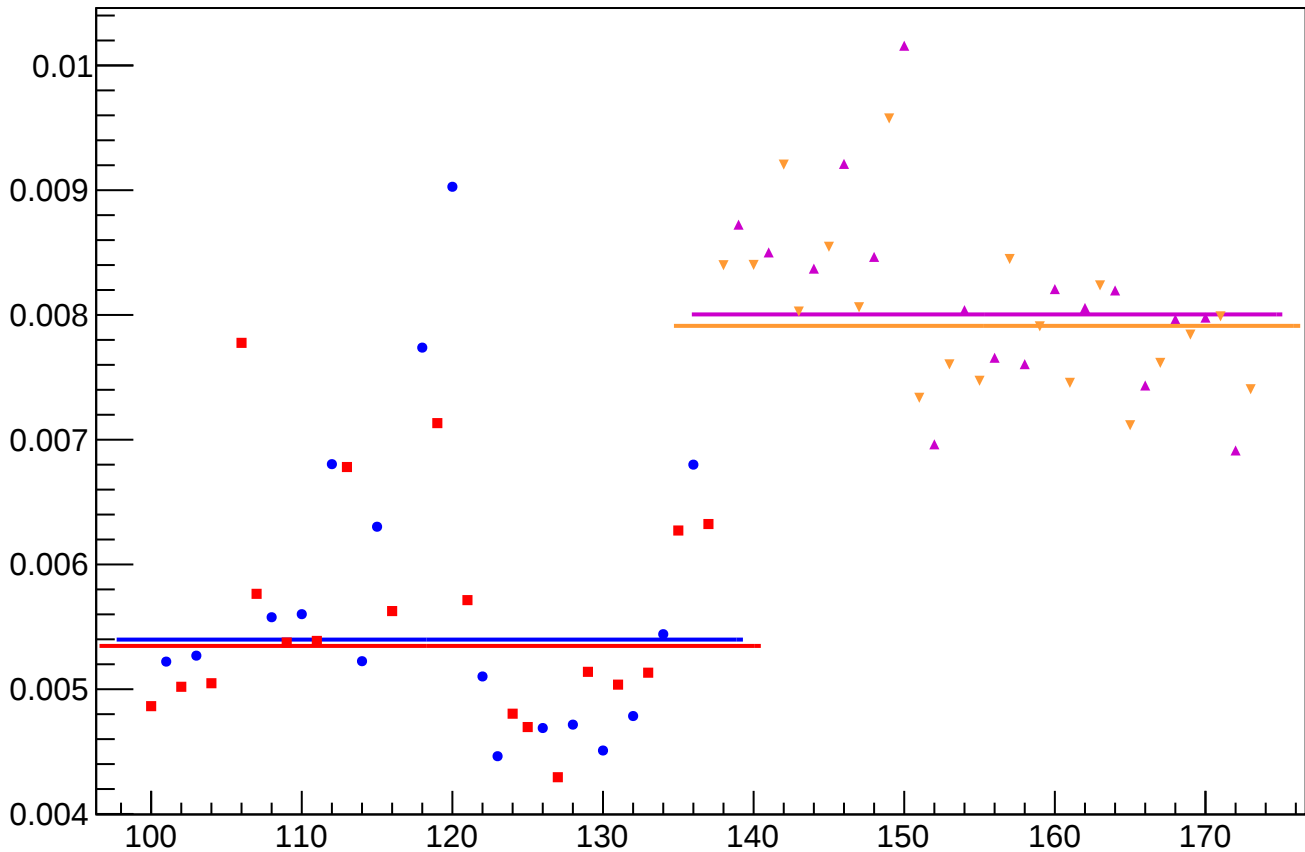
Left In: -6.256+/-0.000 χ^2/NDF : 144603537366.5/16

+ sign -6.078+/-0.000 χ^2/NDF : 194440724011.1/35

All: -6.075+/-0.000 χ^2/NDF : 363216580492.0

- sign -6.072+/-0.000 χ^2/NDF : 168768486301.0/35

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

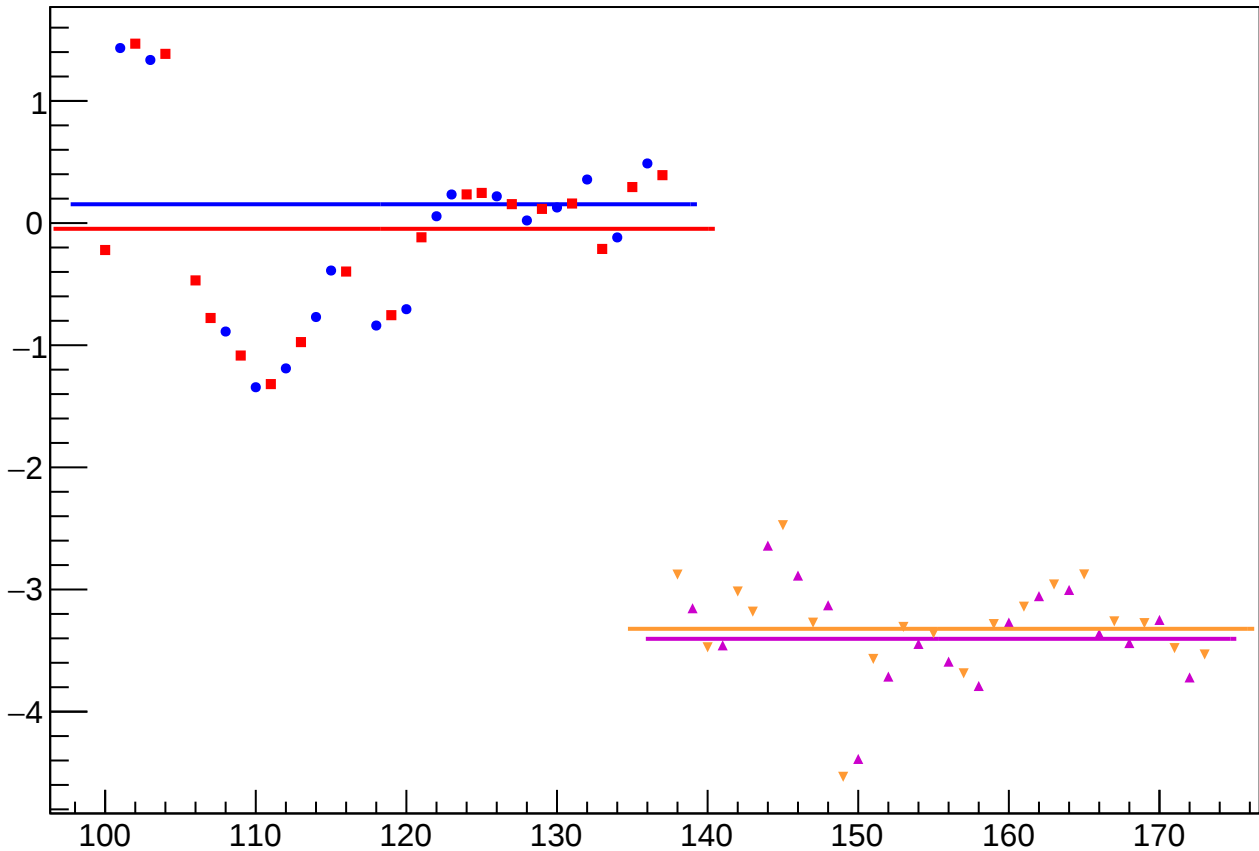
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:189486.5/16

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1772841.8/35

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3642101.6/71

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1865284.3/35

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

Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

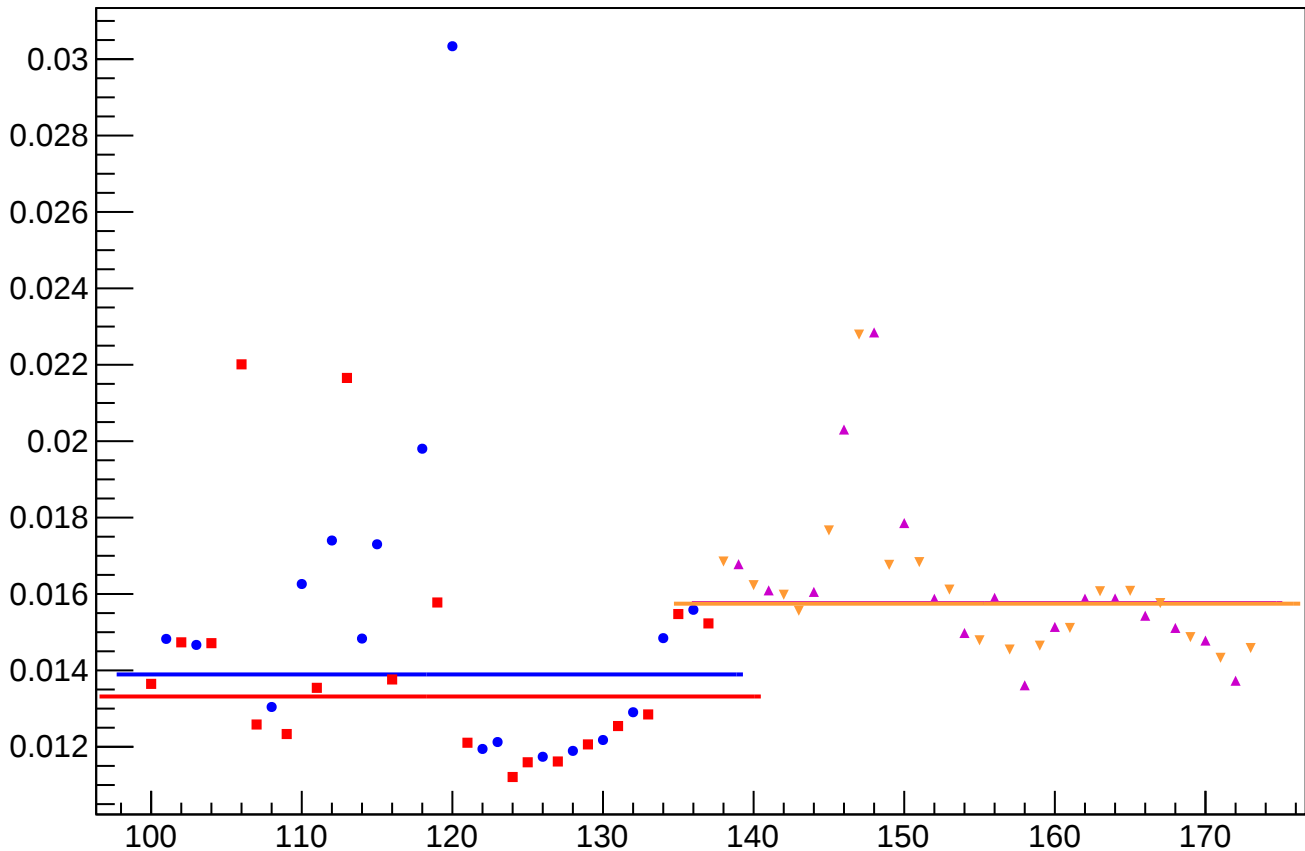
Left In: -3.404+/-0.000 χ^2/NDF : 7324093989.0/16

+ sign -2.072+/-0.000 χ^2/NDF : 262502707951.1/35

All: -2.032+/-0.000 χ^2/NDF : 529358864830.7

- sign -1.994+/-0.000 χ^2/NDF : 266594651751.0/35

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 400569.4/16

Left Out: 0.016+/-0.000 χ^2/NDF :231415.8/18

Right Out: 0.013+/-0.000 χ^2/NDF : 291358.0/18

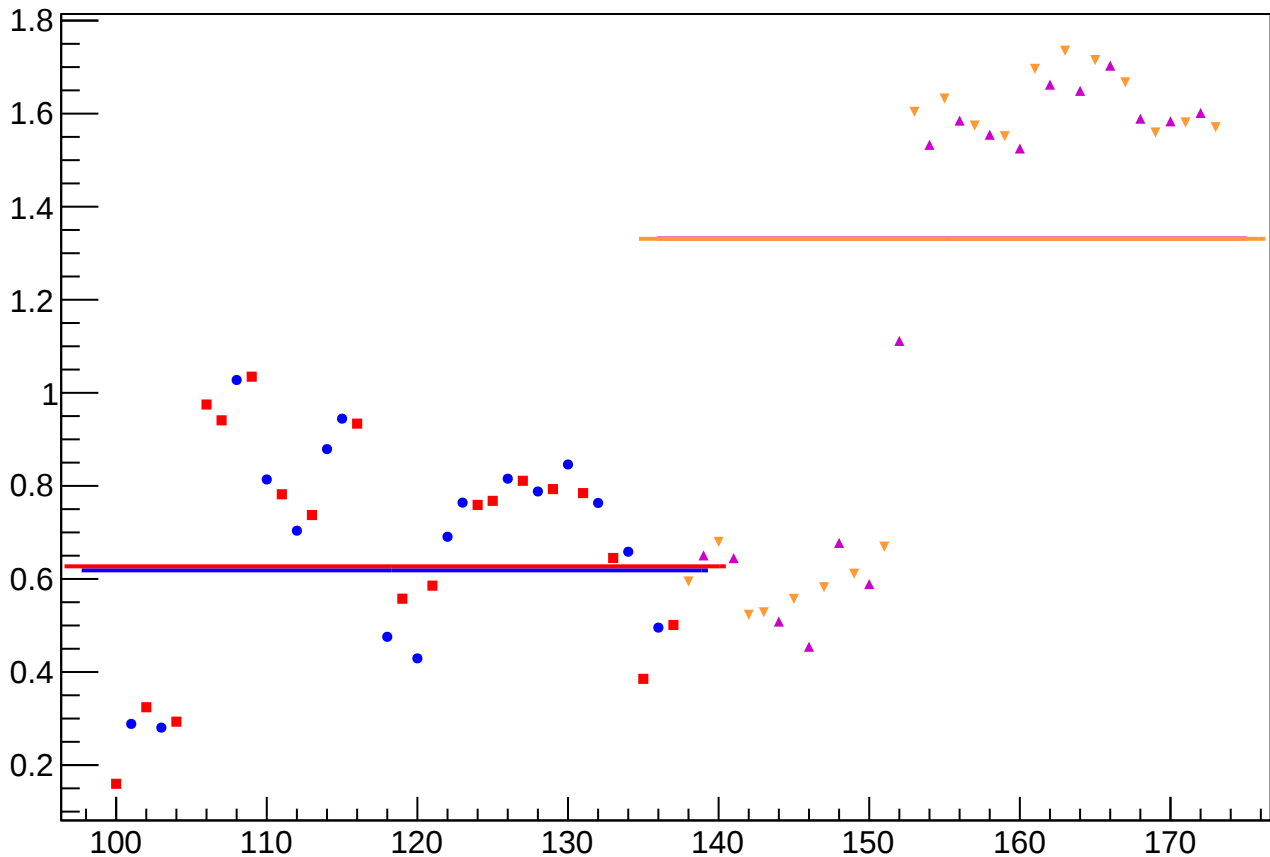
Left In: 0.016+/-0.000 χ^2/NDF :326751.7/16

+ sign 0.015+/-0.000 χ^2/NDF : 766731.2/35

All: 0.015+/-0.000 χ^2/NDF : 1648009.7/71

- sign 0.015+/-0.000 χ^2/NDF : 871085.8/35

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

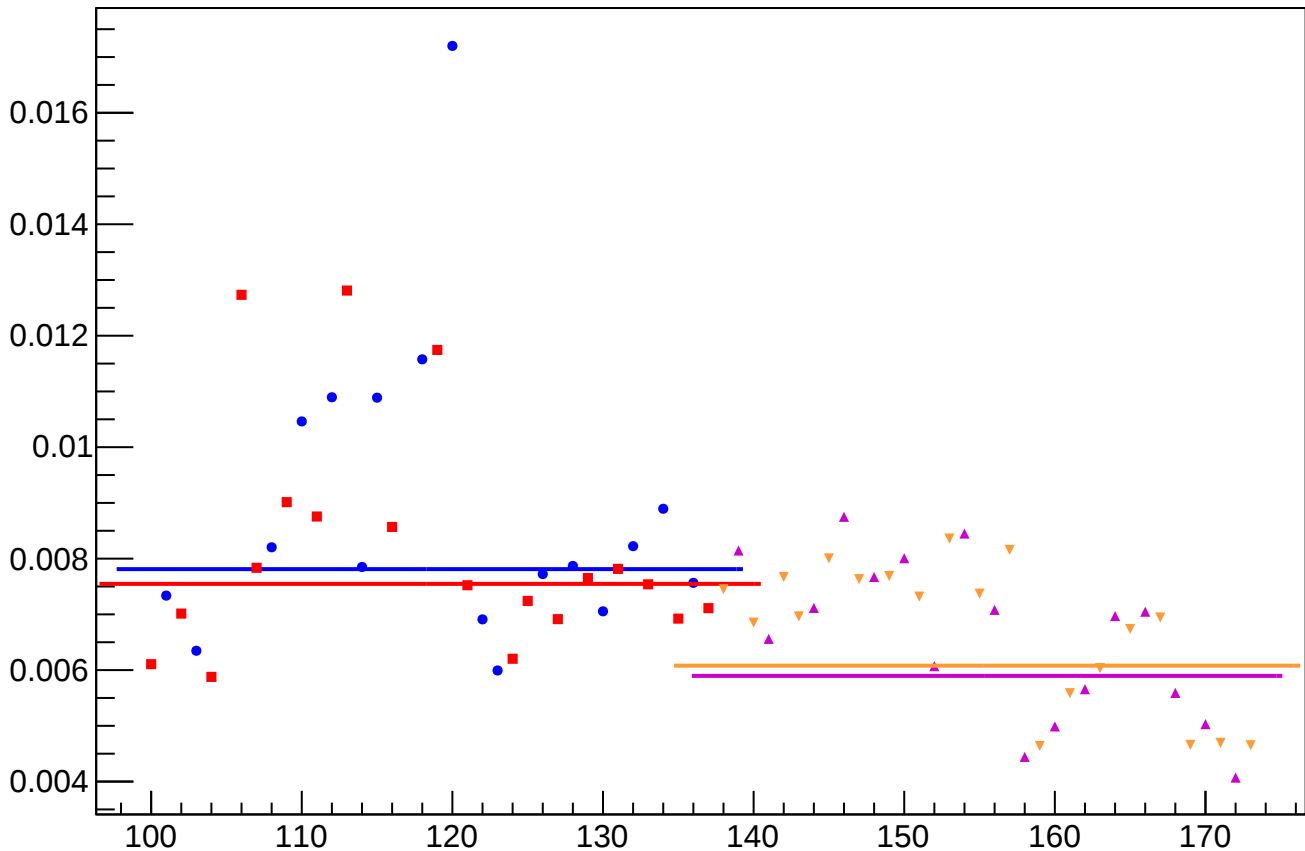
Left In: 1.332 $\pm$ 0.000 χ^2 /NDF: 60371931216.9/16

+ sign 1.175 $\pm$ 0.000 χ^2 /NDF: 113778745467.7/35

All: 1.168 $\pm$ 0.000 χ^2 /NDF: 221391653945.7

- sign 1.161 $\pm$ 0.000 χ^2 /NDF: 107567714283.8/35

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 466827.3/16

Left Out: 0.006+/-0.000 χ^2/NDF :1218402.2/18

Right Out: 0.008+/-0.000 χ^2/NDF : 441823.4/18

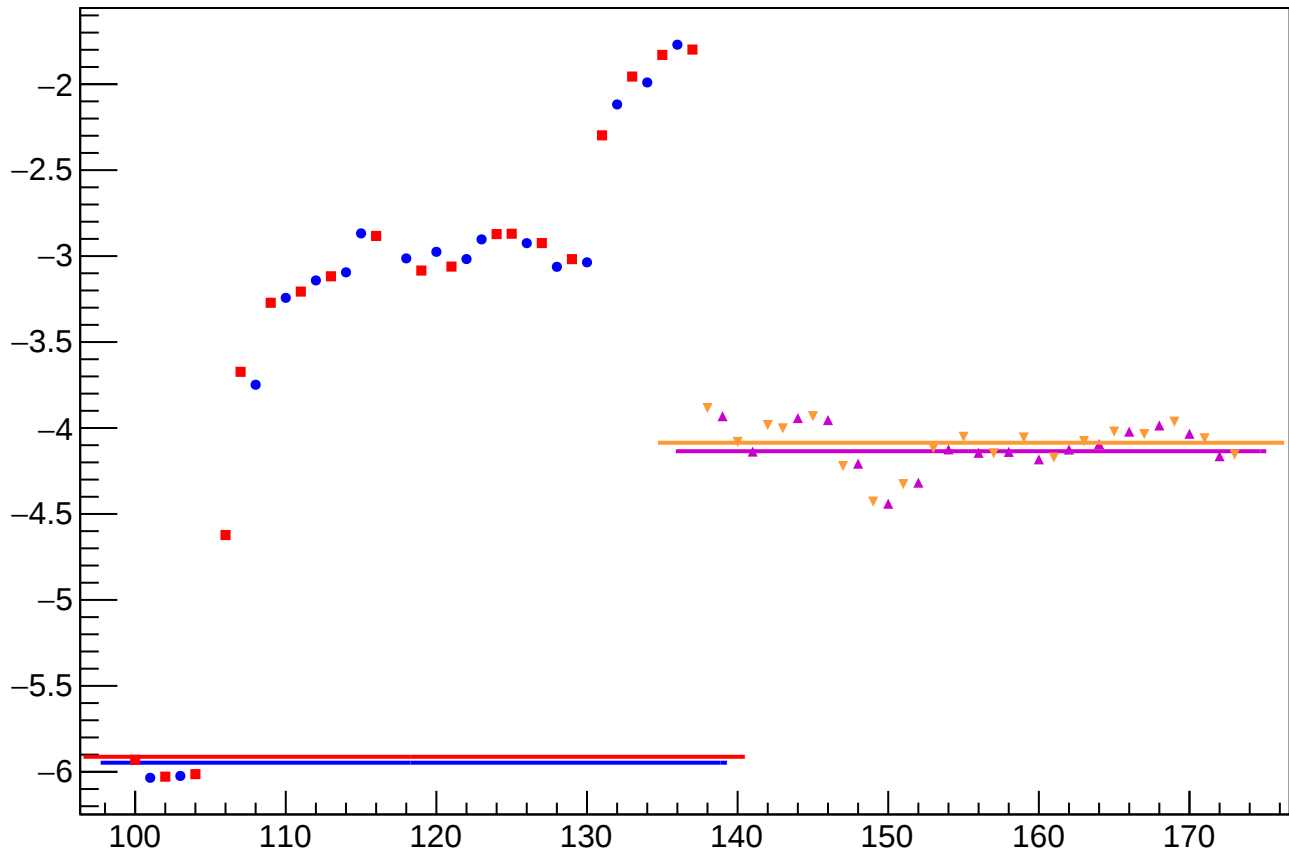
Left In: 0.006+/-0.000 χ^2/NDF :1293366.6/16

+ sign 0.006+/-0.000 χ^2/NDF : 2131996.0/35

All: 0.006+/-0.000 χ^2/NDF : 4327404.0/71

- sign 0.006+/-0.000 χ^2/NDF : 2183813.7/35

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

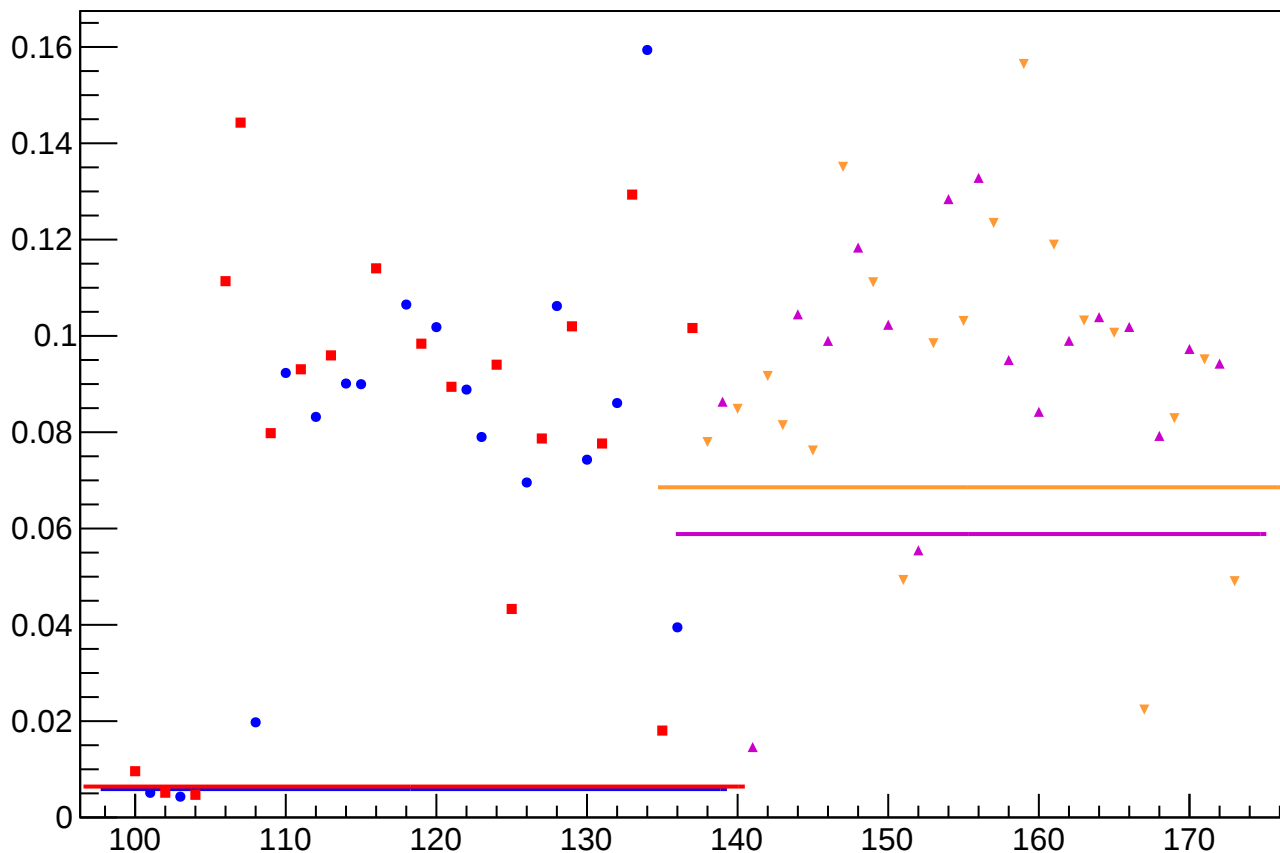
Left In: -4.135+/-0.000 χ^2 /NDF: 25102033.0/16

+ sign -5.872+/-0.000 χ^2 /NDF: 19834610761.6/35

All: -5.849+/-0.000 χ^2 /NDF: 40719440978.1/35

- sign -5.821+/-0.000 χ^2 /NDF: 20828530111.0/35

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

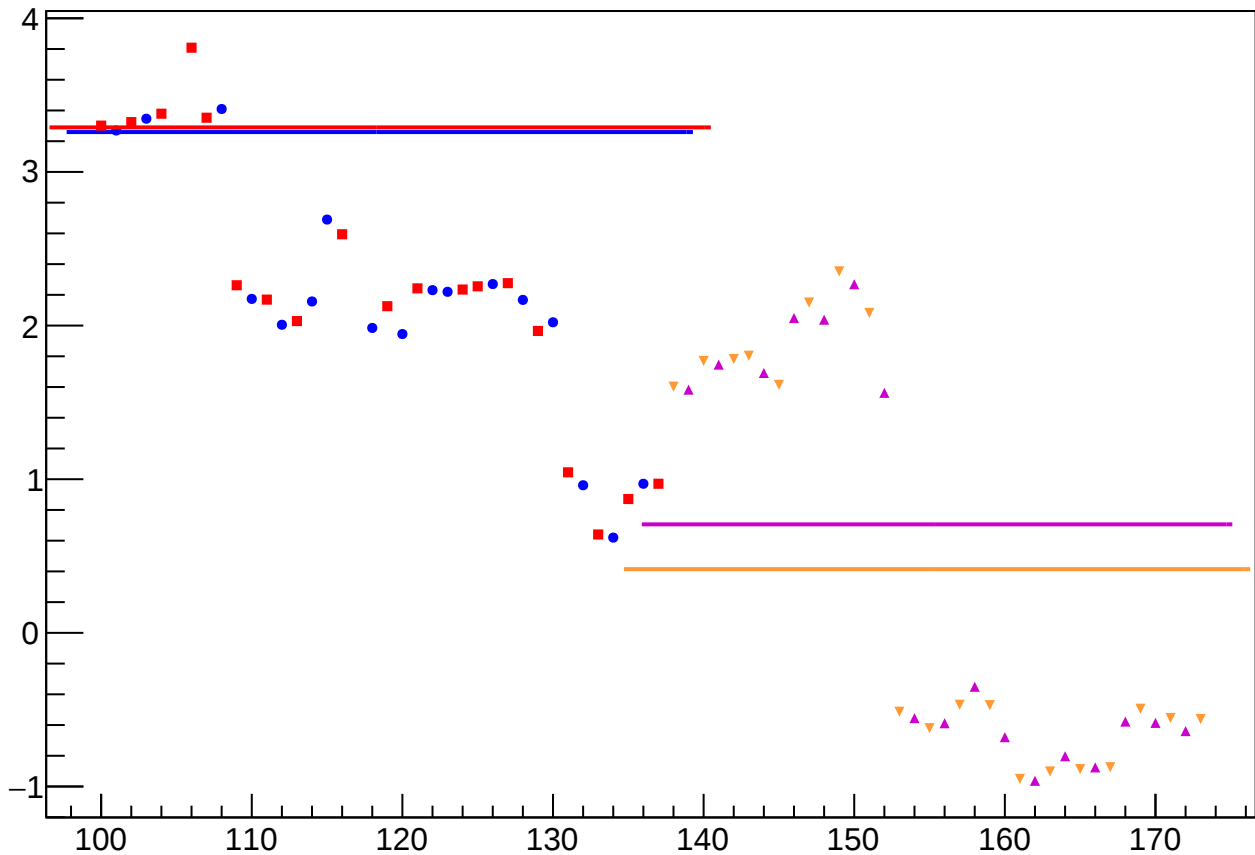
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 6907775.2/16

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 27693944.6/35

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 53885919.0/71

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 26171367.8/35

yield_bpm0l03Y_mean vs Slug



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 0.415+/-0.000 χ^2/NDF : 2841503873.7/18

Right Out: 3.290+/-0.000 χ^2/NDF : 3262231575.5/18

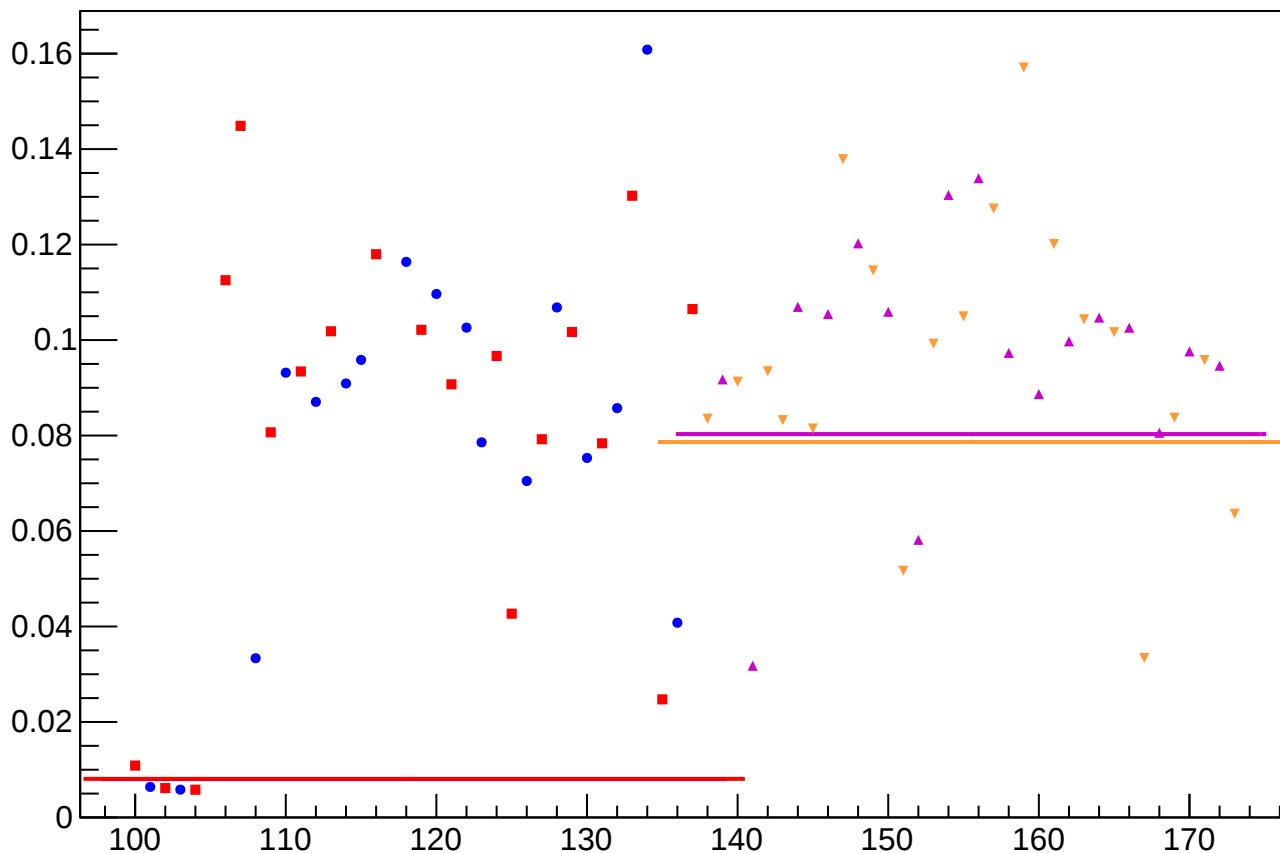
Left In: 0.706+/-0.000 χ^2/NDF : 2149910168.1/16

+ sign 3.102+/-0.000 χ^2/NDF : 18614023199.1/35

All: 3.128+/-0.000 χ^2/NDF : 33250658370.5/7

- sign 3.156+/-0.000 χ^2/NDF : 14595274584.9/35

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

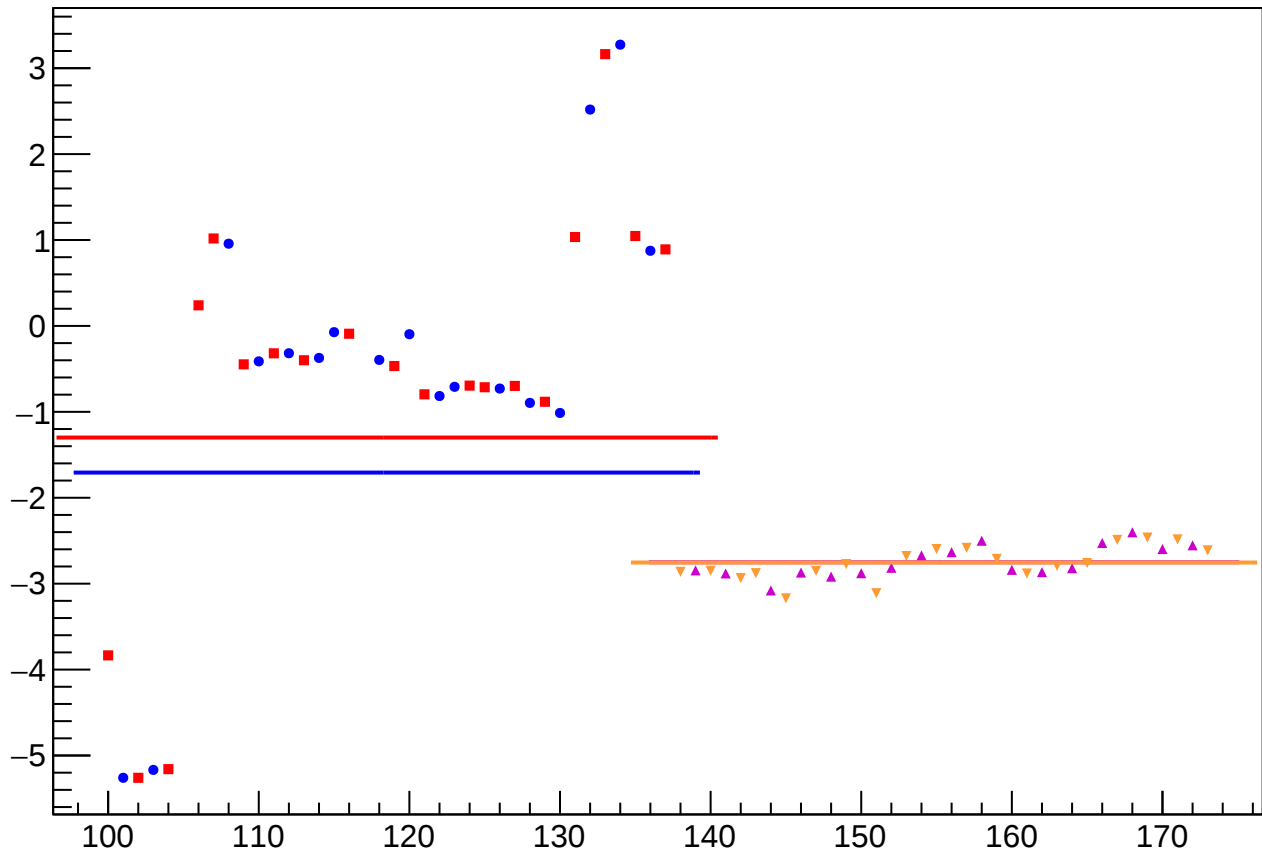
Left In: 0.080 $\pm$ 0.000 χ^2 /NDF:2833846.1/16

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 26635151.2/35

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 52130508.2/71

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 25495064.4/35

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

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

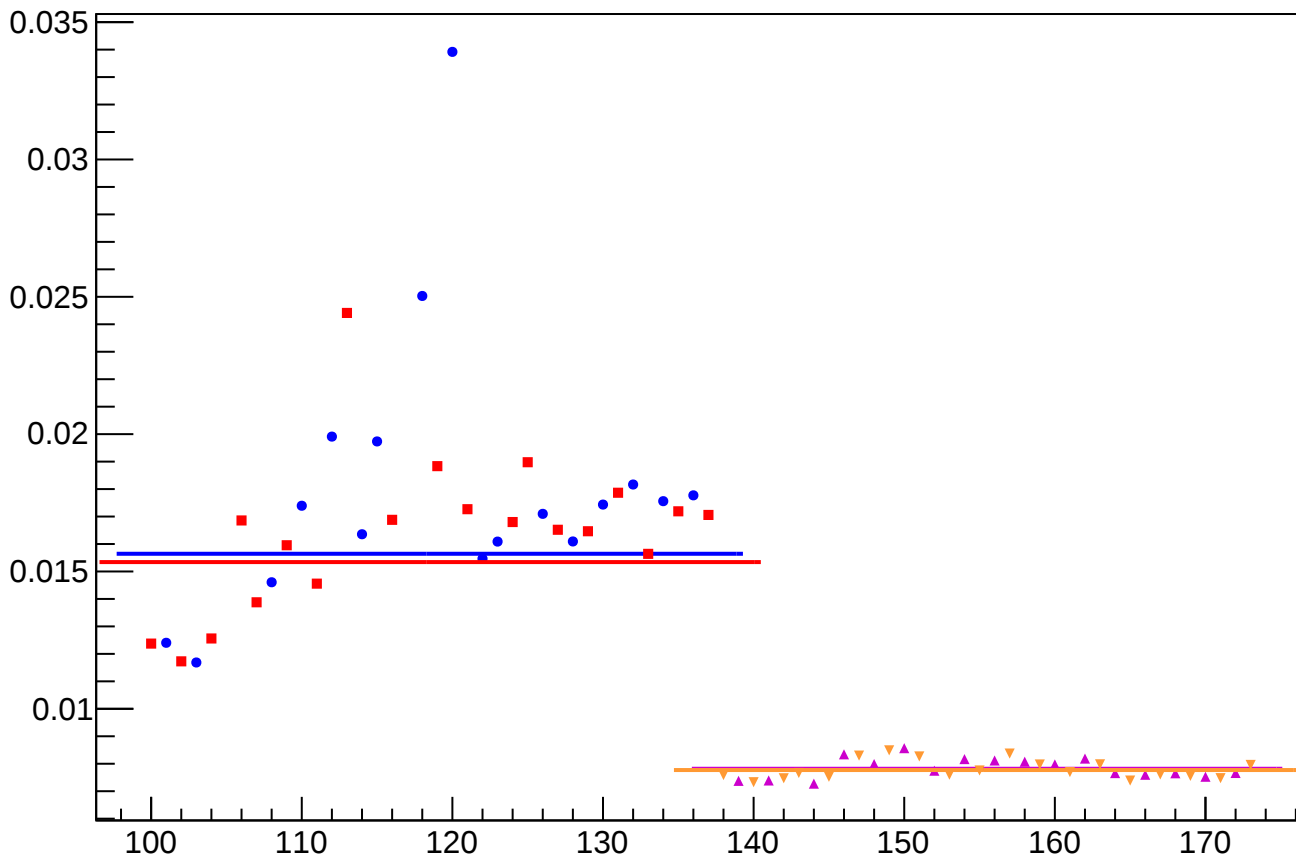
Left In: -2.751+/-0.000 χ^2/NDF : 7013345251.3/16

+ sign -2.657+/-0.000 χ^2/NDF : 197539842035.5/35

All: -2.623+/-0.000 χ^2/NDF : 432398543816.6

- sign -2.587+/-0.000 χ^2/NDF : 234270521097.8/35

yield_bpm0l04X_rms vs Slug



Right In: 0.016 ± 0.000 $\chi^2/\text{NDF}: 578244.3/16$

Left Out: 0.015 ± 0.000 $\chi^2/\text{NDF}: 353806.7/18$

Right Out: 0.015 ± 0.000 $\chi^2/\text{NDF}: 353806.7/18$

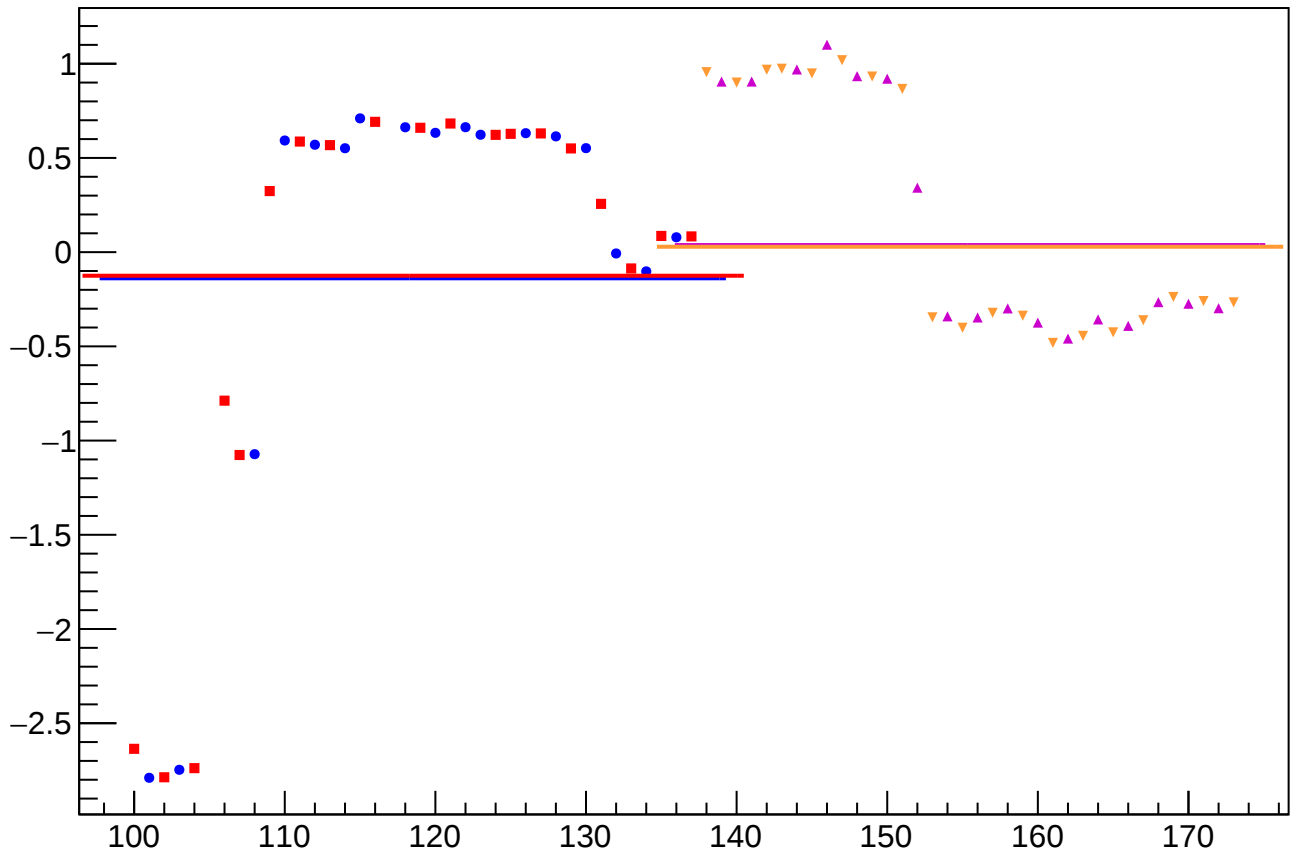
Left In: 0.008 ± 0.000 $\chi^2/\text{NDF}: 54166.0/16$

+ sign 0.008 ± 0.000 $\chi^2/\text{NDF}: 3206283.7/35$

All: 0.009 ± 0.000 $\chi^2/\text{NDF}: 6266695.3/71$

- sign 0.009 ± 0.000 $\chi^2/\text{NDF}: 3053574.6/35$

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

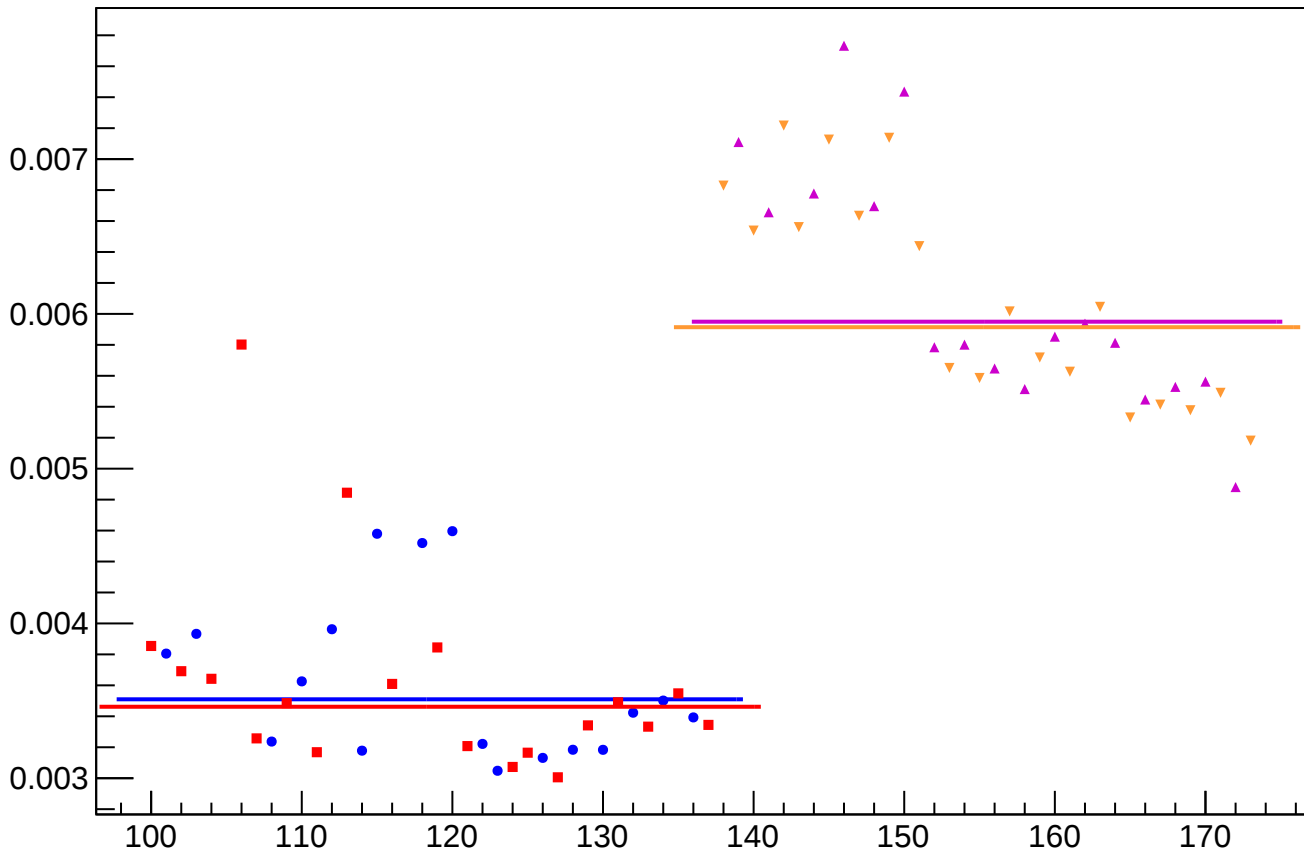
Left In: 0.038 ± 0.000 χ^2/NDF : 106966902268.8/16

+ sign -0.069 ± 0.000 χ^2/NDF : 848951576719.3/35

All: -0.066 ± 0.000 χ^2/NDF : 1723030470074

- sign -0.064 ± 0.000 χ^2/NDF : 874067138551.1/35

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 171337.9/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:268829.1/18

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 215974.1/18

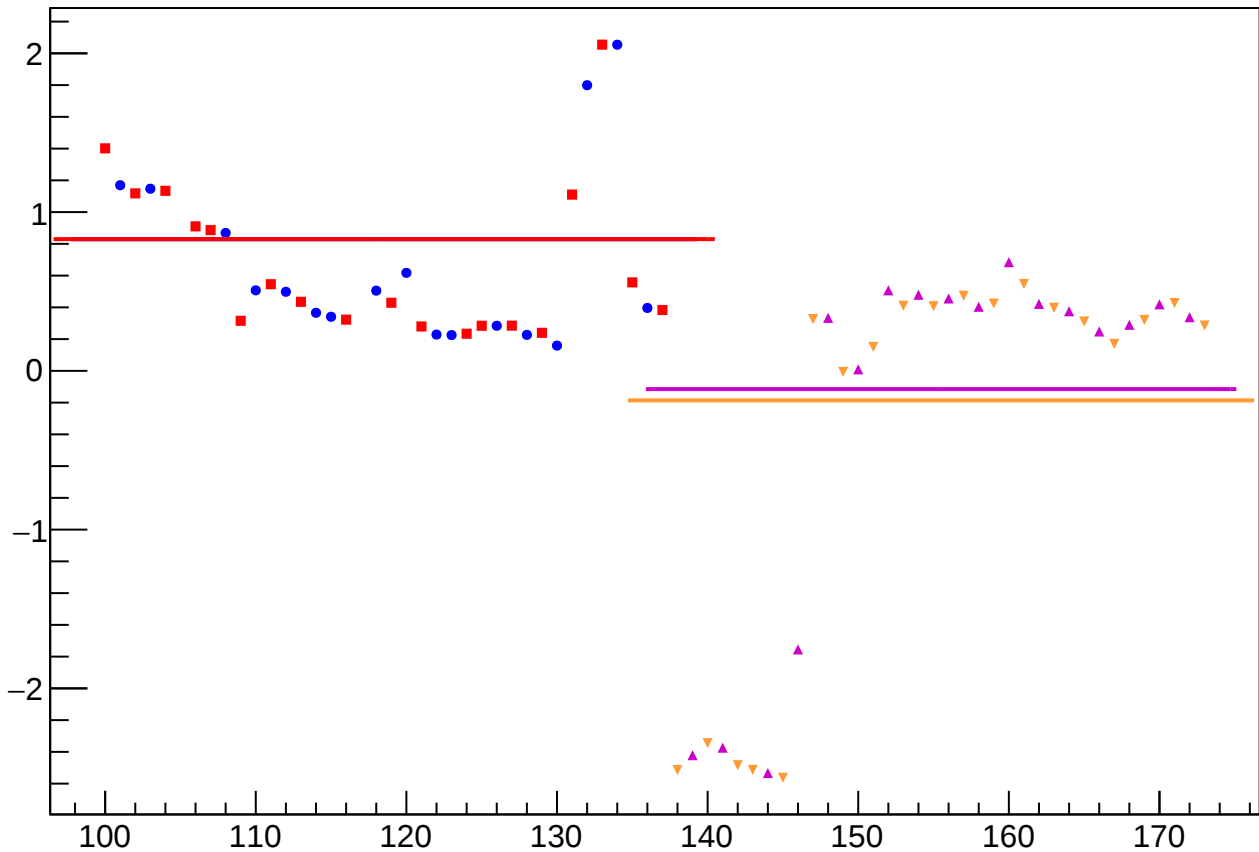
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:328642.4/16

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2912640.8/35

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 6087395.7/71

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3163463.3/35

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16

Left Out: -0.186+/-0.000 χ^2/NDF : 475480950150.2/18

Right Out: 0.830+/-0.000 χ^2/NDF : 33335665437.8/18

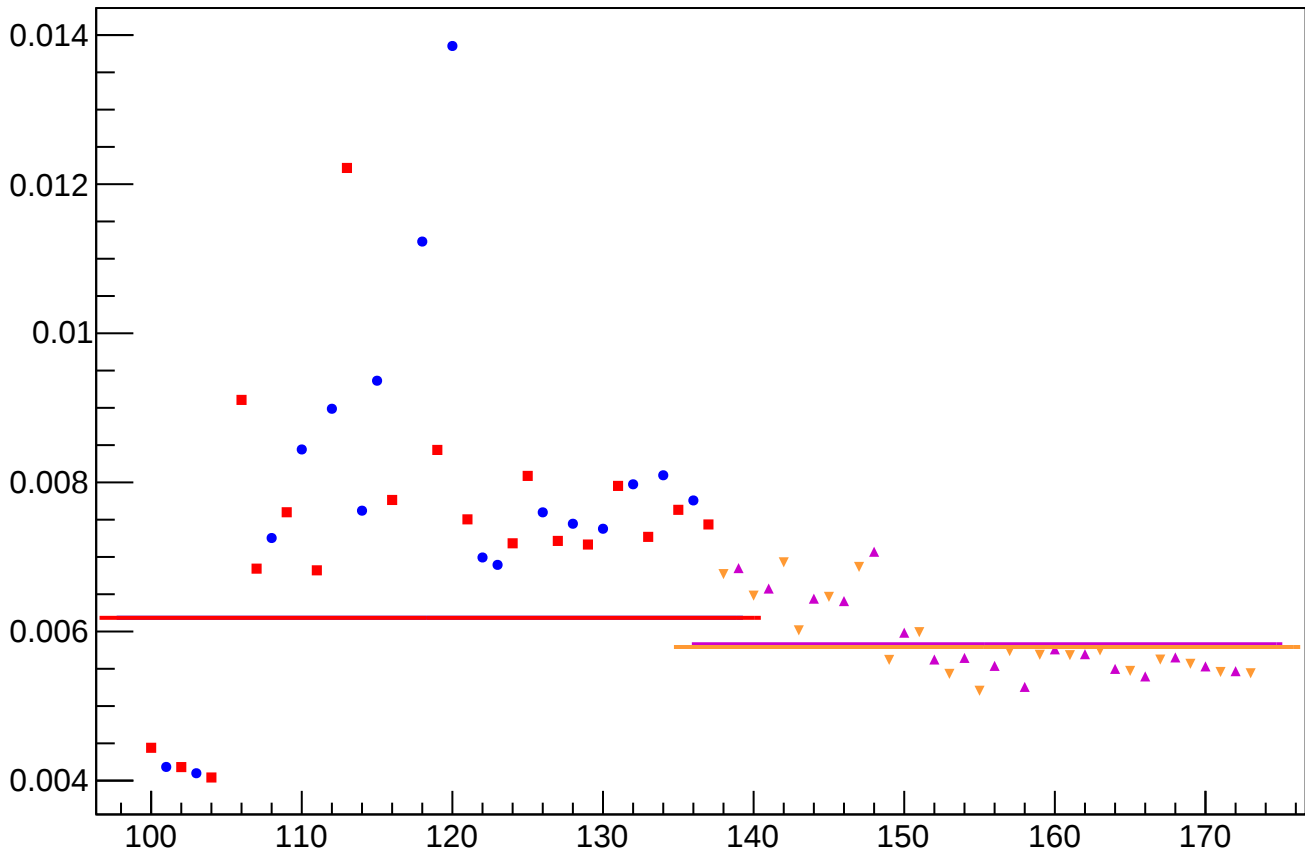
Left In: -0.115+/-0.000 χ^2/NDF : 404210740426.0/16

+ sign 0.080+/-0.000 χ^2/NDF : 612887962251.2/35

All: 0.121+/-0.000 χ^2/NDF : 1147841844966.0/35

- sign 0.164+/-0.000 χ^2/NDF : 533082272741.4/35

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

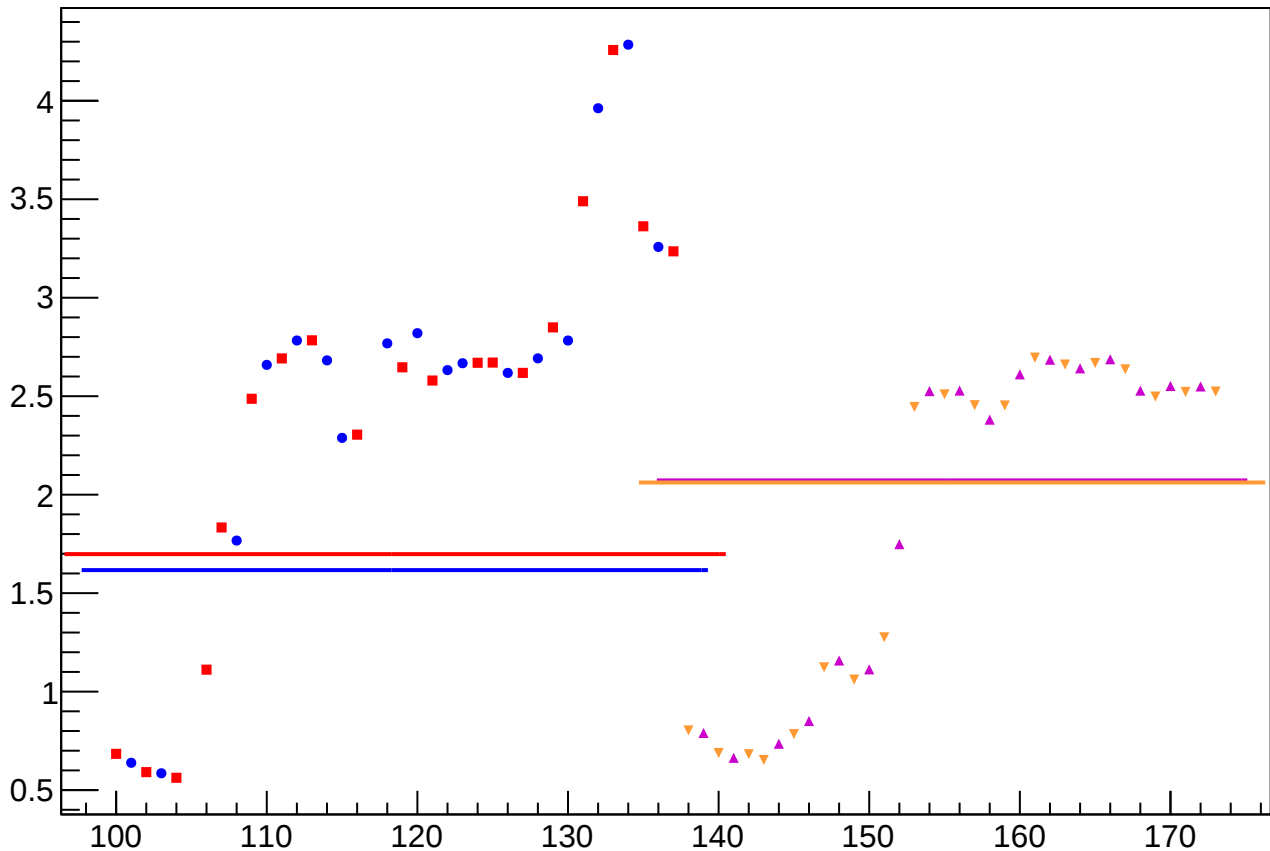
Left In: 0.006+/-0.000 χ^2/NDF : 172071.0/16

+ sign 0.006+/-0.000 χ^2/NDF : 1426537.8/35

All: 0.006+/-0.000 χ^2/NDF : 2653114.8/71

- sign 0.006+/-0.000 χ^2/NDF : 1225781.0/35

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

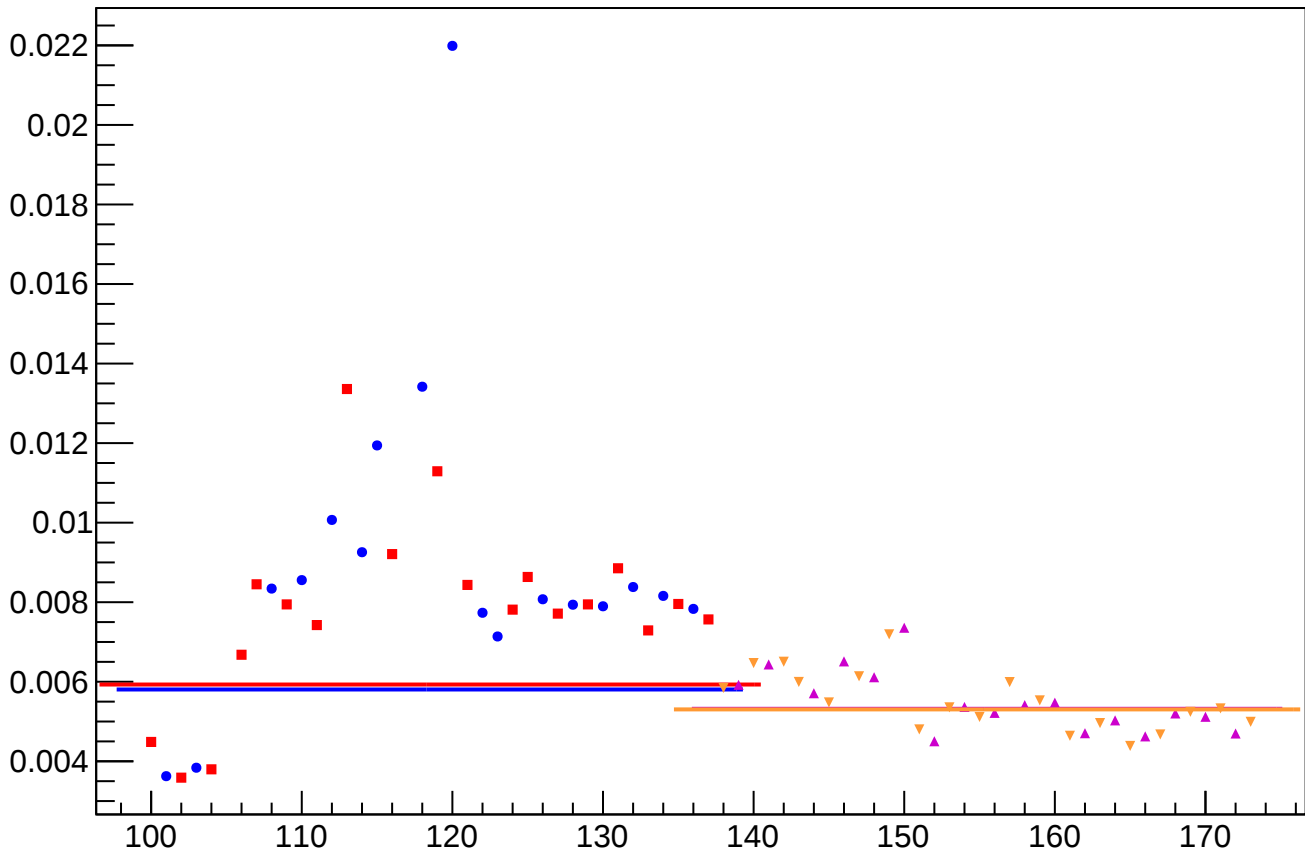
Left In: 2.072+/-0.000 χ^2/NDF : 228315880877.6/16

+ sign 1.954+/-0.000 χ^2/NDF : 490154982198.2/35

All: 1.963+/-0.000 χ^2/NDF : 961618497124.3

- sign 1.972+/-0.000 χ^2/NDF : 471364728605.8/35

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 367516.3/18

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

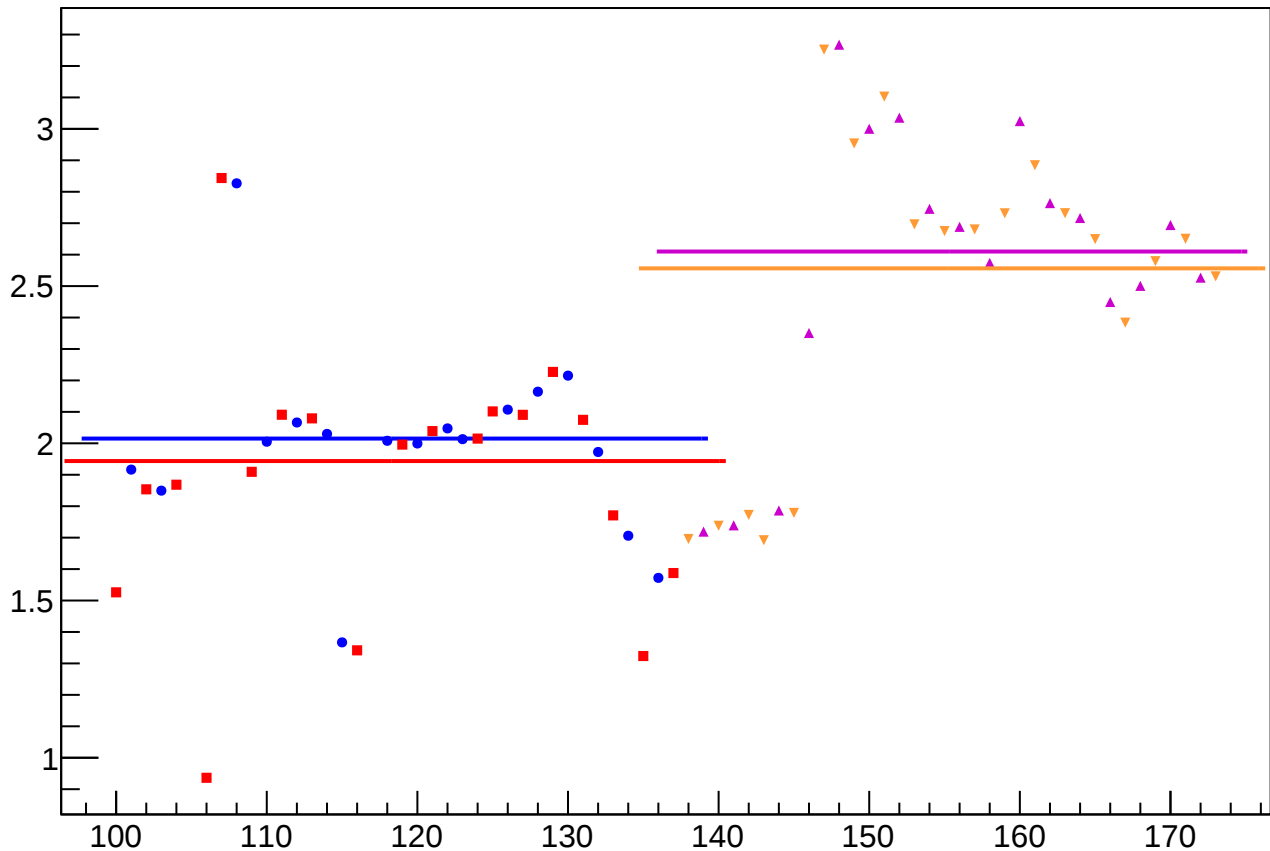
Left In: 0.005+/-0.000 χ^2/NDF : 372456.9/16

+ sign 0.005+/-0.000 χ^2/NDF : 2339882.1/35

All: 0.005+/-0.000 χ^2/NDF : 4482918.3/71

- sign 0.005+/-0.000 χ^2/NDF : 2141159.7/35

yield_bpm0l06X_mean vs Slug



Right In: 2.015 $\pm$ 0.000 χ^2 /NDF: 12228403202.6/16

Left Out: 2.556 $\pm$ 0.000 χ^2 /NDF: 48714264866.0/18

Right Out: 1.944 $\pm$ 0.000 χ^2 /NDF: 21427099579.0/18

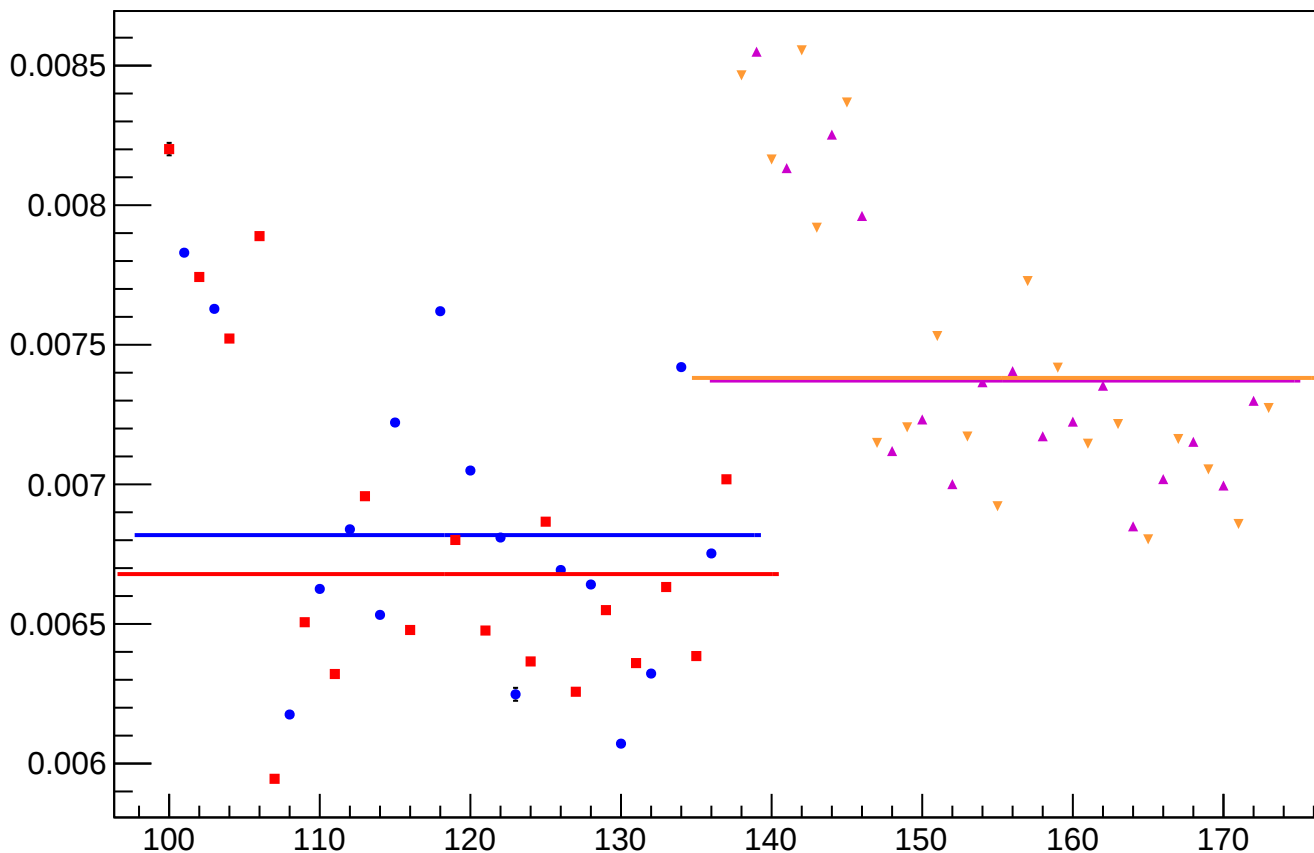
Left In: 2.610 $\pm$ 0.000 χ^2 /NDF: 41303234161.5/16

+ sign 2.363 $\pm$ 0.000 χ^2 /NDF: 86718980261.3/35

All: 2.354 $\pm$ 0.000 χ^2 /NDF: 190270956944.5

- sign 2.346 $\pm$ 0.000 χ^2 /NDF: 103493497095.2/35

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

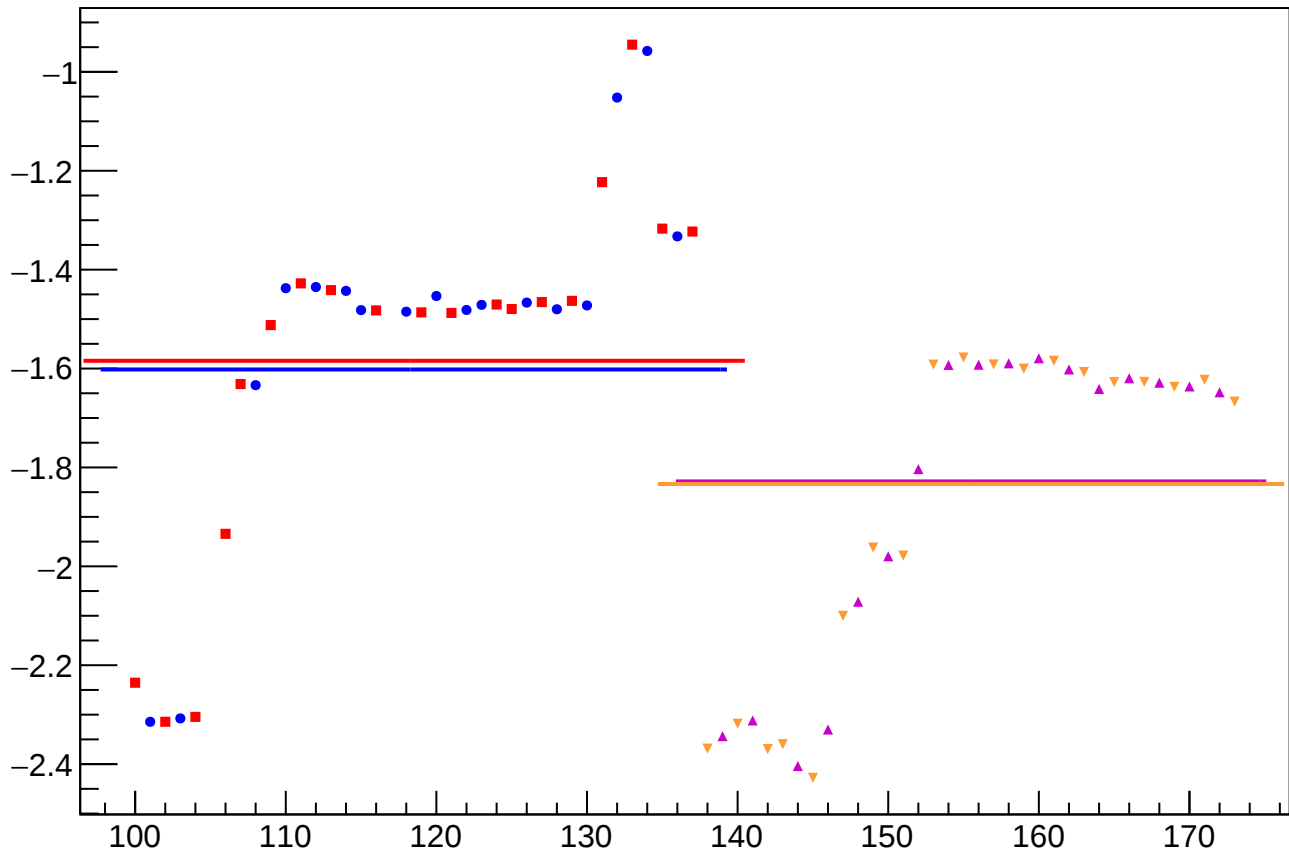
Left In: 0.007+/-0.000 χ^2/NDF :90442.8/16

+ sign 0.007+/-0.000 χ^2/NDF : 247177.3/35

All: 0.007+/-0.000 χ^2/NDF : 504224.4/71

- sign 0.007+/-0.000 χ^2/NDF : 254386.7/35

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

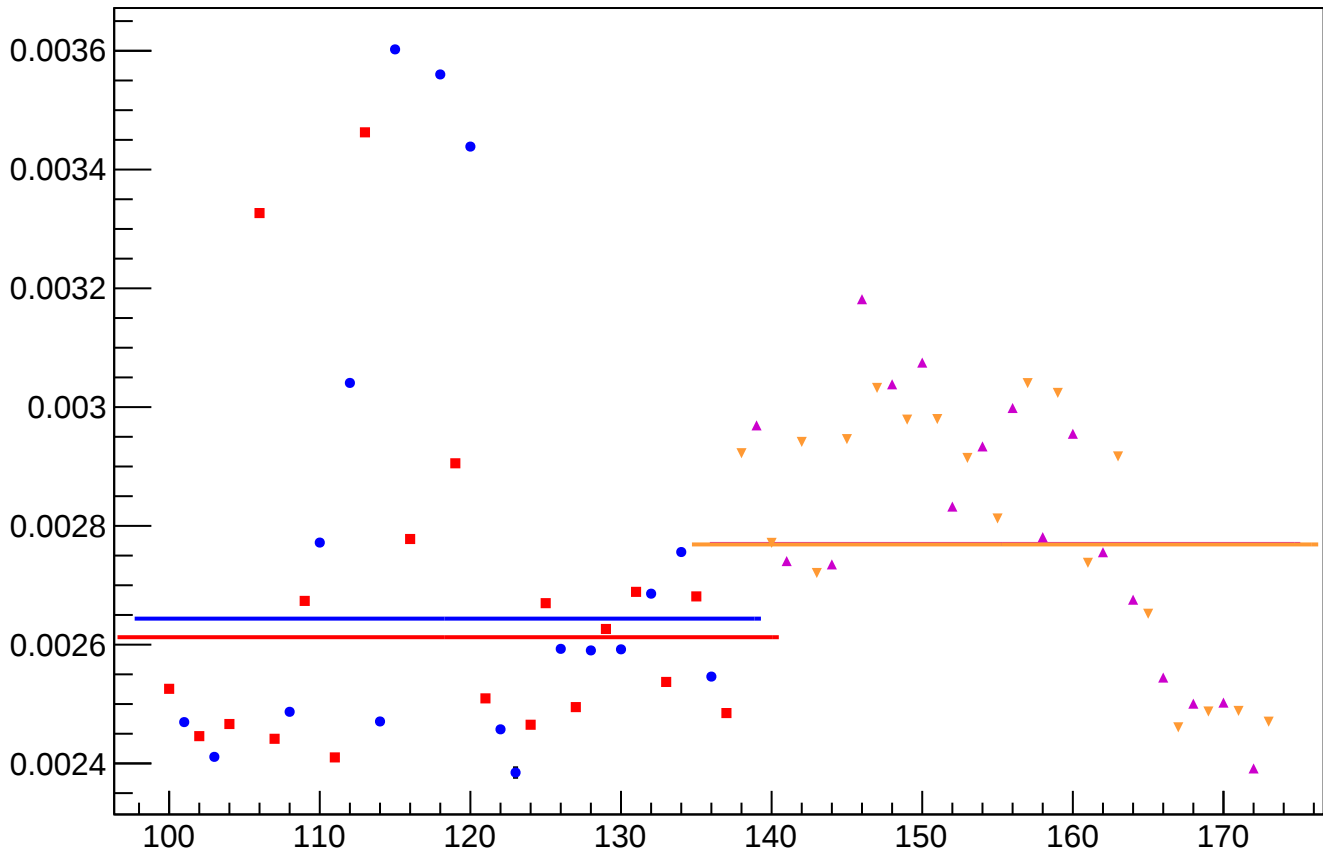
Left In: -1.828+/-0.000 χ^2/NDF : 150968496581.3/16

+ sign -1.755+/-0.000 χ^2/NDF : 343856333046.5/35

All: -1.746+/-0.000 χ^2/NDF : 675248770923.6

- sign -1.737+/-0.000 χ^2/NDF : 330972480859.6/35

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

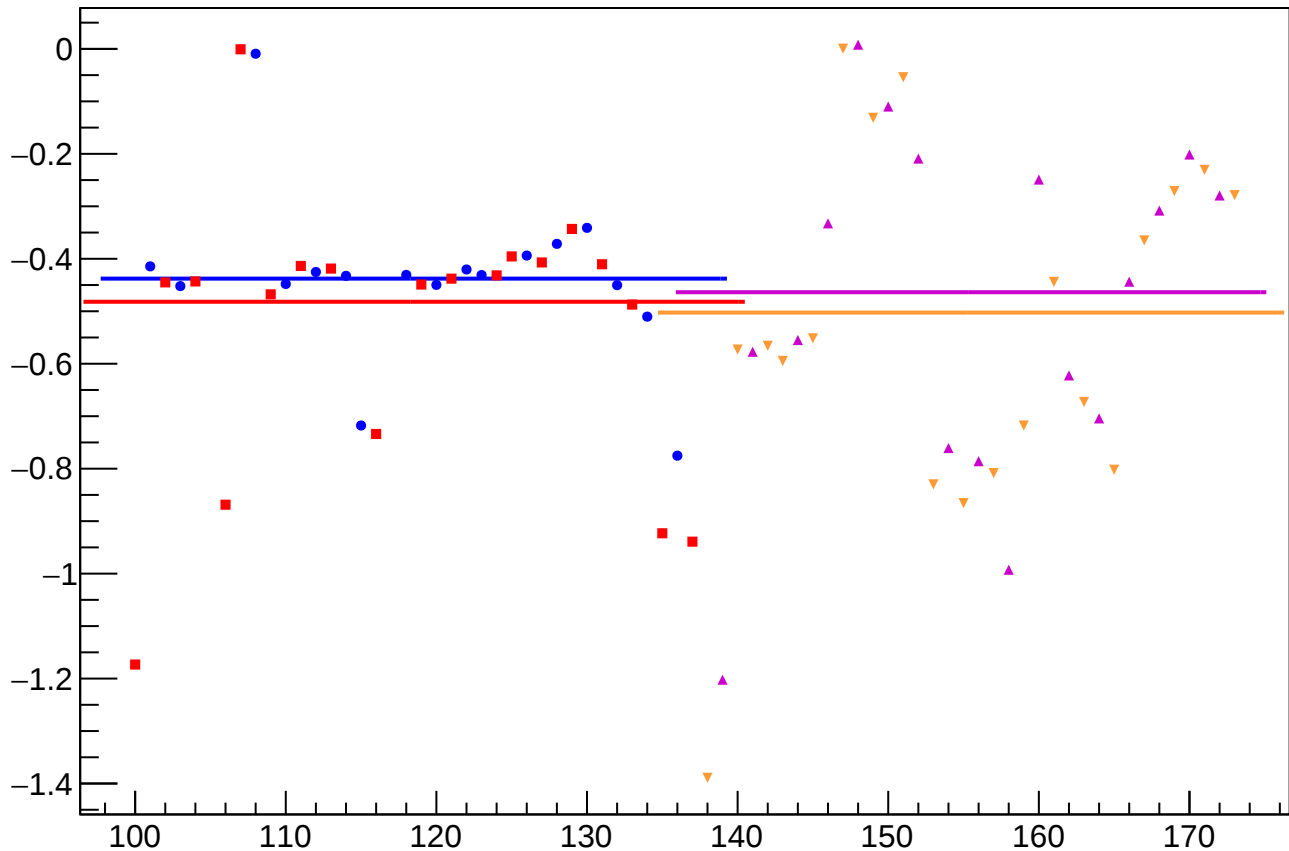
Left In: 0.003+/-0.000 χ^2/NDF :159898.1/16

+ sign 0.003+/-0.000 χ^2/NDF : 325185.3/35

All: 0.003+/-0.000 χ^2/NDF : 621195.7/71

- sign 0.003+/-0.000 χ^2/NDF : 295377.1/35

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.502+/-0.000 χ^2/NDF : 9198017173.7/18

Right Out: -0.482+/-0.000 χ^2/NDF : 2694625740.7/18

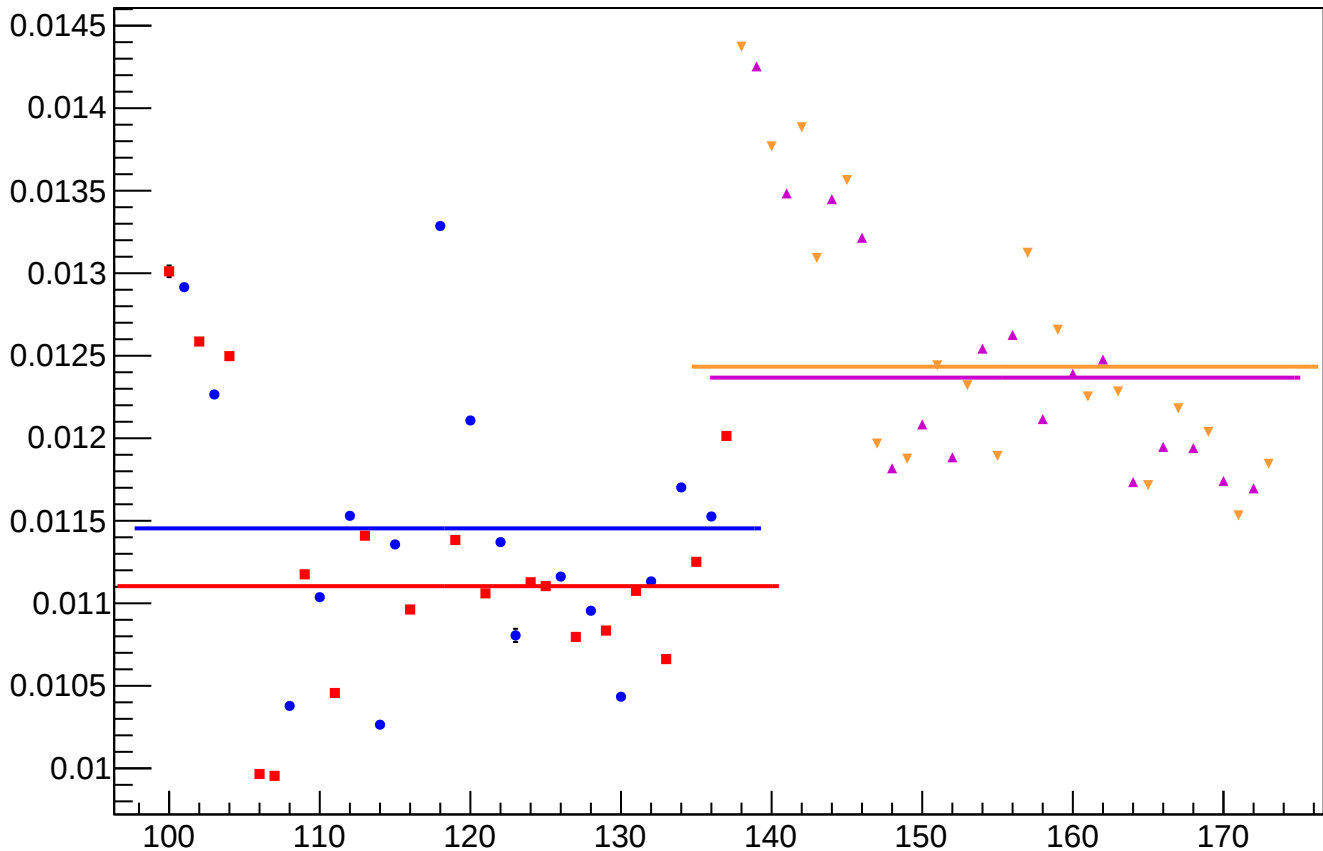
Left In: -0.464+/-0.000 χ^2/NDF : 7964658856.2/16

+ sign -0.479+/-0.000 χ^2/NDF : 10792384998.8/35

All: -0.475+/-0.000 χ^2/NDF : 21467168469.4/35

- sign -0.471+/-0.000 χ^2/NDF : 10670359608.0/35

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

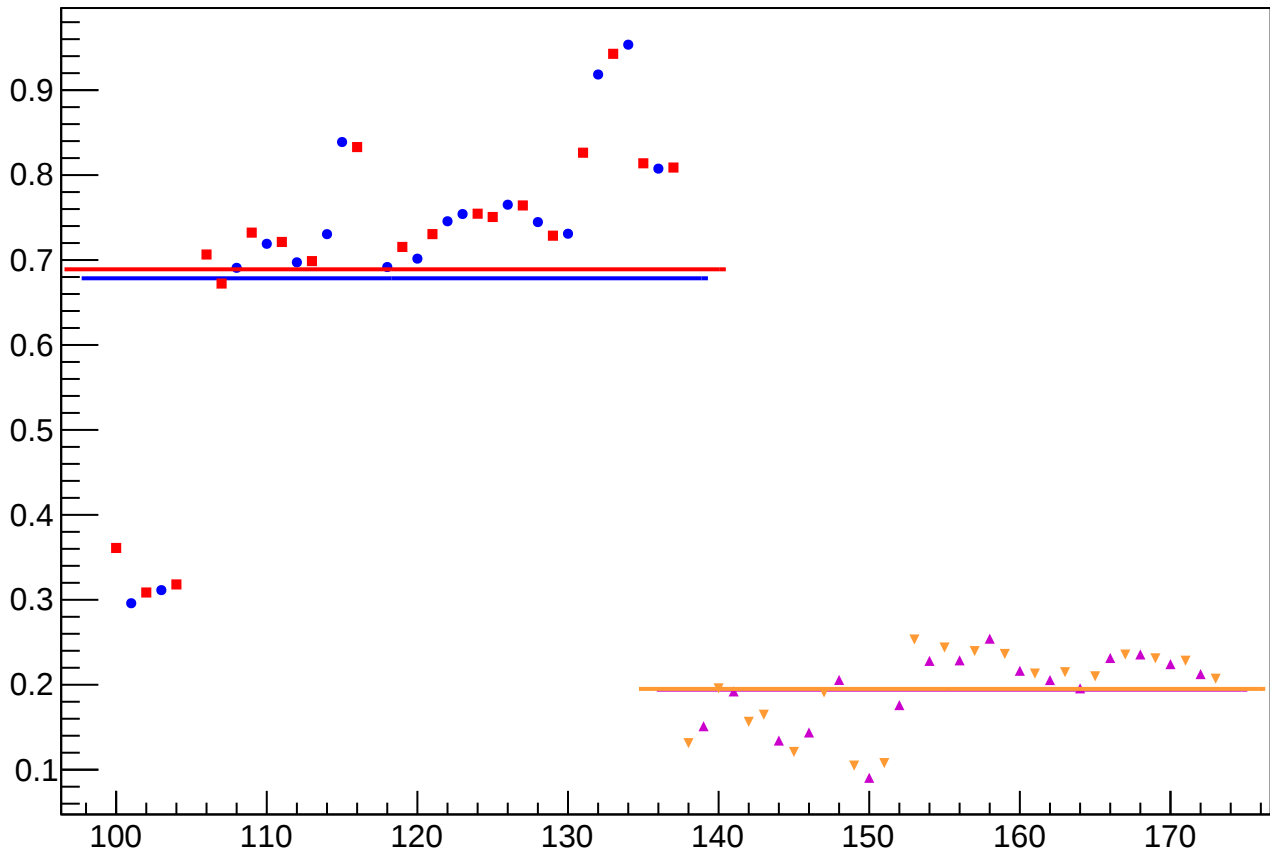
Left In: 0.012+/-0.000 χ^2/NDF : 74573.5/16

+ sign 0.012+/-0.000 χ^2/NDF : 218683.1/35

All: 0.012+/-0.000 χ^2/NDF : 462944.8/71

- sign 0.012+/-0.000 χ^2/NDF : 237225.6/35

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

+ sign 0.318 $\pm$ 0.000 χ^2 /NDF: 221815209375.3/35

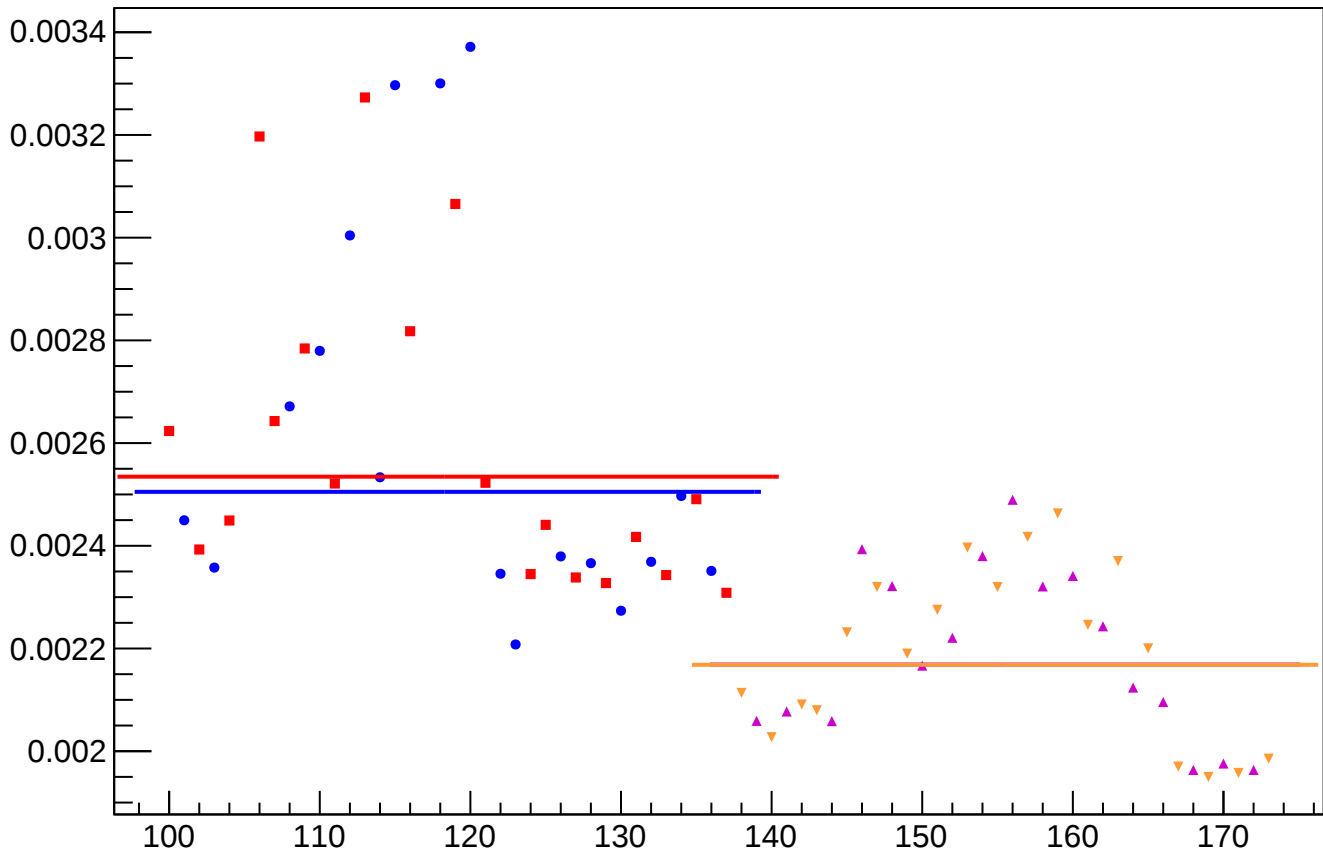
Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

All: 0.324 $\pm$ 0.000 χ^2 /NDF: 448018290812.8

Left In: 0.194 $\pm$ 0.000 χ^2 /NDF: 5161546800.7/16

- sign 0.330 $\pm$ 0.000 χ^2 /NDF: 225940347254.3/35

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

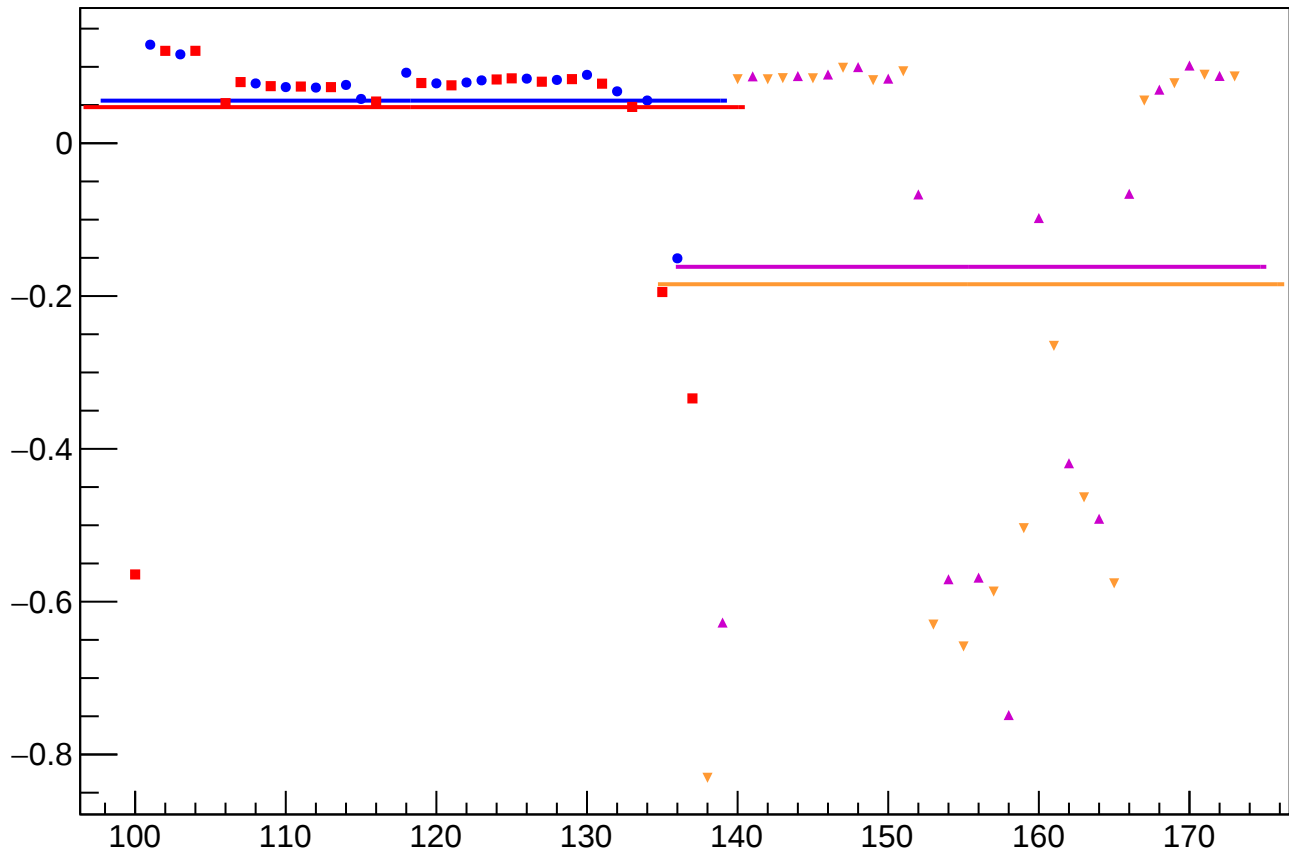
Left In: 0.002+/-0.000 χ^2/NDF :140378.1/16

+ sign 0.002+/-0.000 χ^2/NDF : 510366.1/35

All: 0.002+/-0.000 χ^2/NDF : 985871.5/71

- sign 0.002+/-0.000 χ^2/NDF : 474630.9/35

yield_bpm0l08X_mean vs Slug



Right In: 0.056 $\pm$ 0.000 χ^2 /NDF: 423003688.1/16

Left Out: -0.185 $\pm$ 0.000 χ^2 /NDF: 11573467170.9/18

Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 819588537.2/18

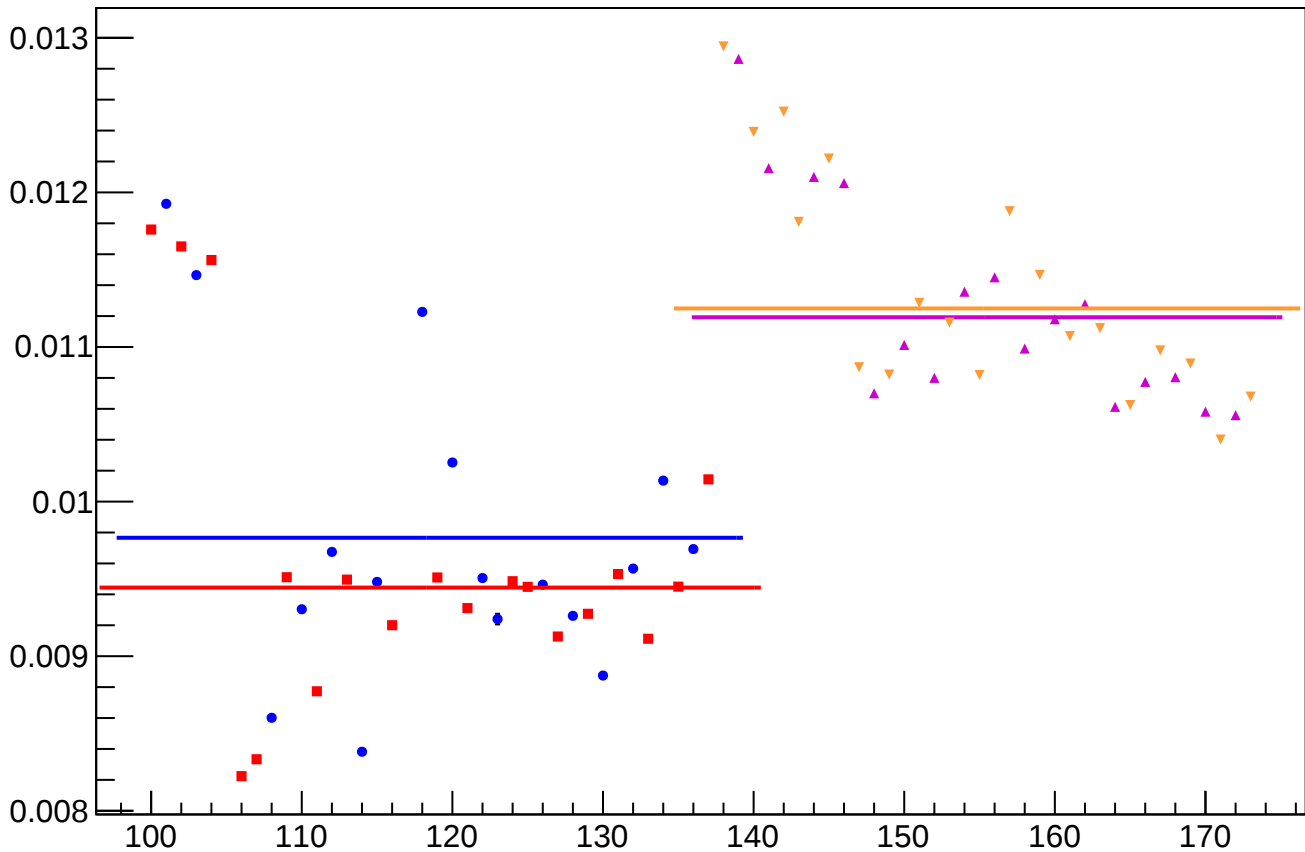
Left In: -0.162 $\pm$ 0.000 χ^2 /NDF: 9323287311.8/16

+ sign -0.091 $\pm$ 0.000 χ^2 /NDF: 14383722566.8/35

All: -0.081 $\pm$ 0.000 χ^2 /NDF: 26472389959.3/35

- sign -0.071 $\pm$ 0.000 χ^2 /NDF: 12050722837.2/35

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

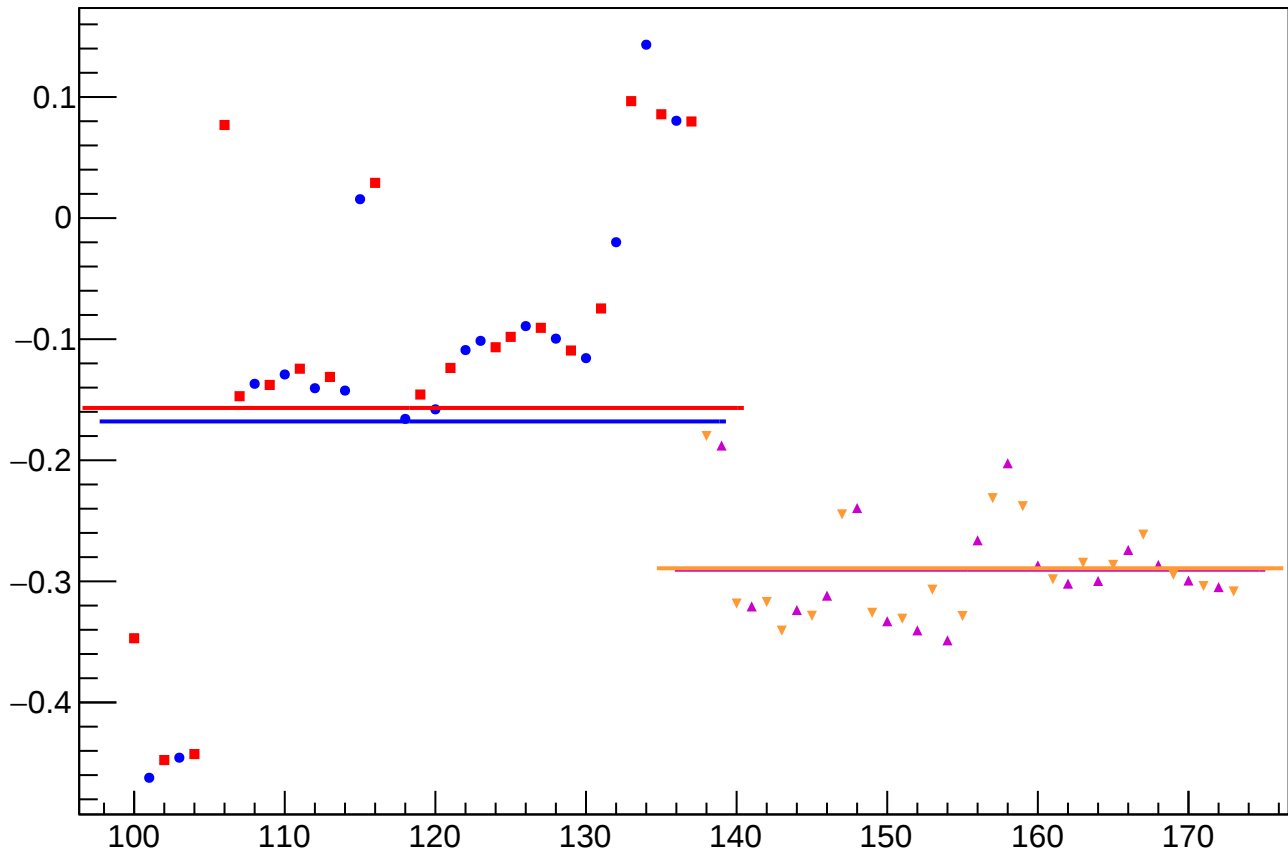
Left In: 0.011+/-0.000 χ^2/NDF : 73560.3/16

+ sign 0.011+/-0.000 χ^2/NDF : 386993.0/35

All: 0.011+/-0.000 χ^2/NDF : 848869.7/71

- sign 0.010+/-0.000 χ^2/NDF : 451396.3/35

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

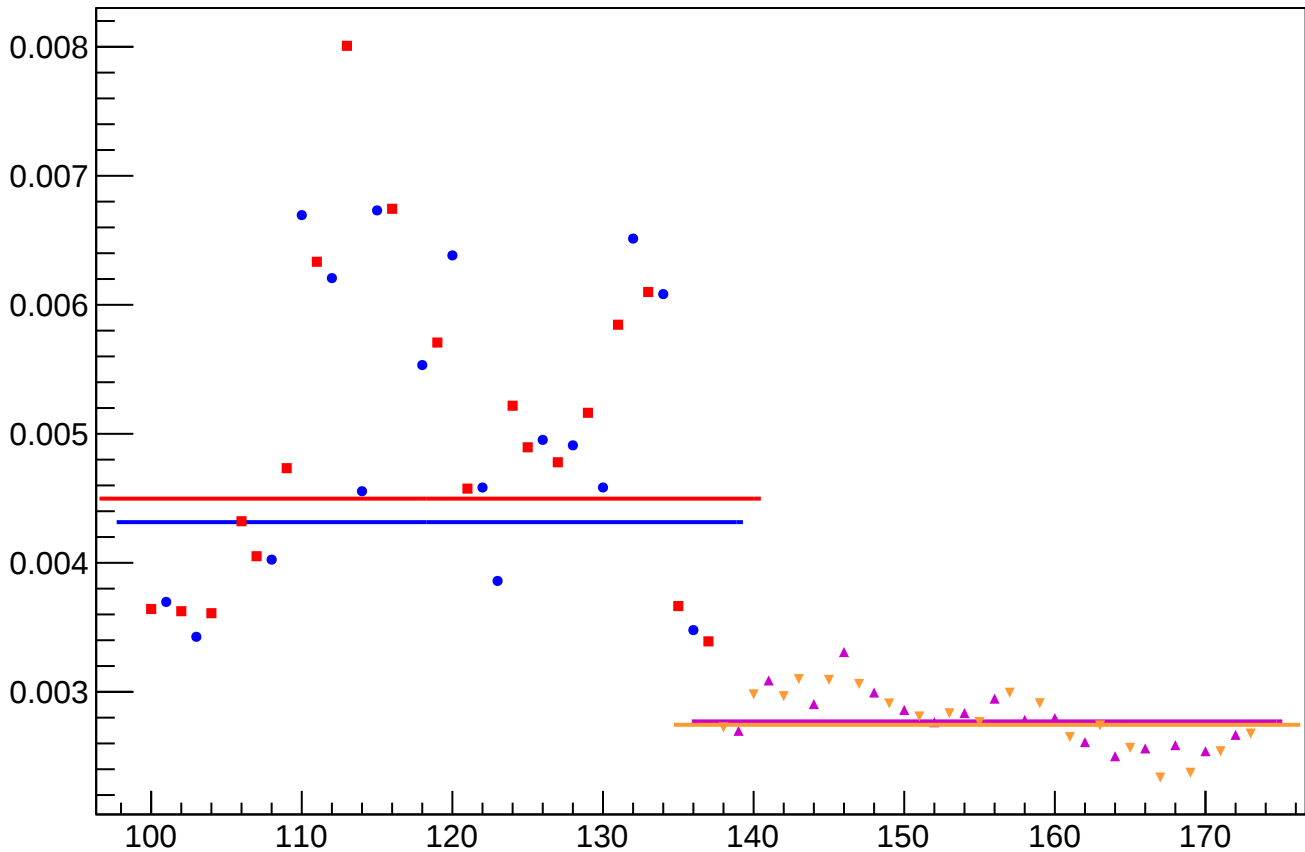
Left In: -0.290+/-0.000 χ^2/NDF : 3114221622.7/16

+ sign -0.271+/-0.000 χ^2/NDF : 19084285175.3/35

All: -0.270+/-0.000 χ^2/NDF : 37849704485.2/35

- sign -0.269+/-0.000 χ^2/NDF : 18761479885.4/35

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

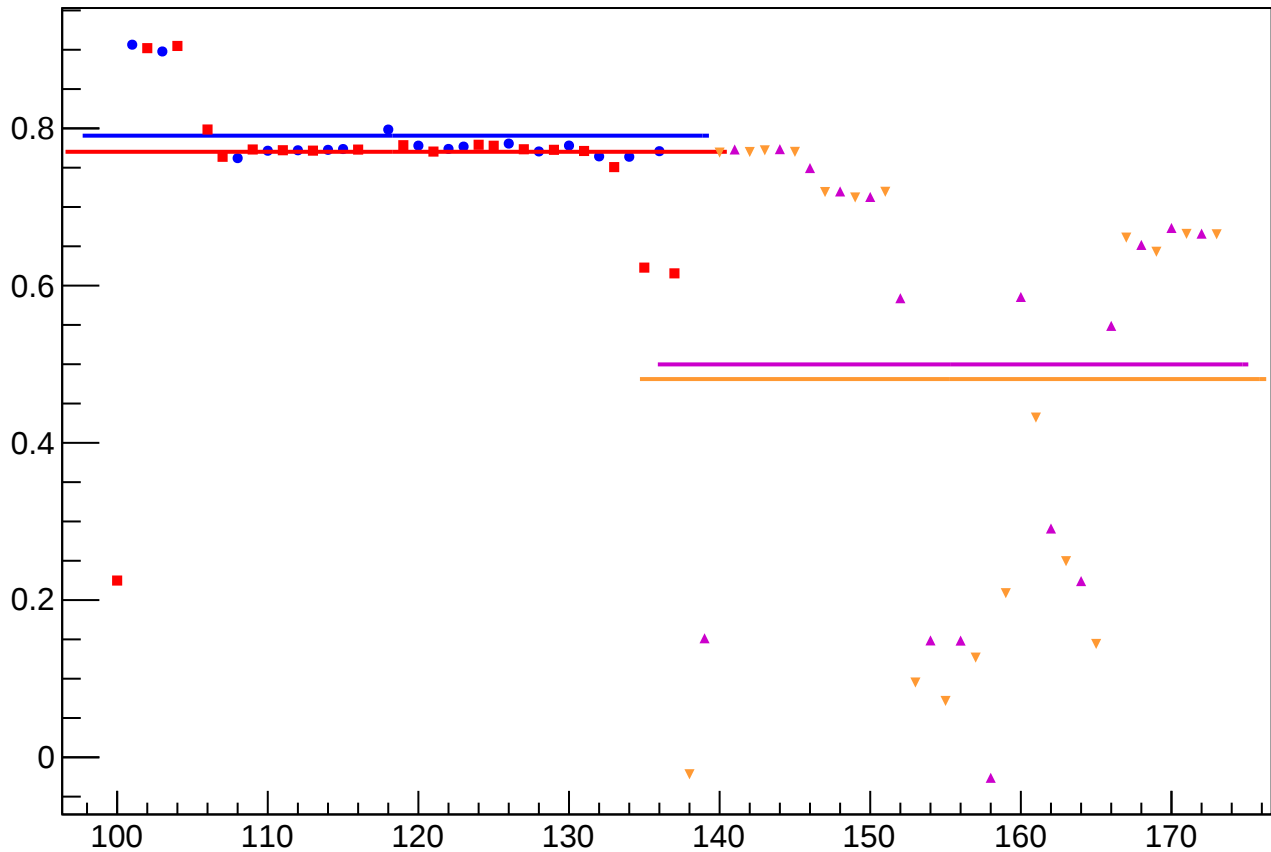
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:123904.7/16

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2121206.2/35

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4447319.0/71

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2317045.3/35

yield_bpm0l09X_mean vs Slug



Right In: 0.791+/-0.000 χ^2/NDF : 106705767.1/16

Left Out: 0.481+/-0.000 χ^2/NDF : 8793931102.0/18

Right Out: 0.770+/-0.000 χ^2/NDF : 375442189.7/18

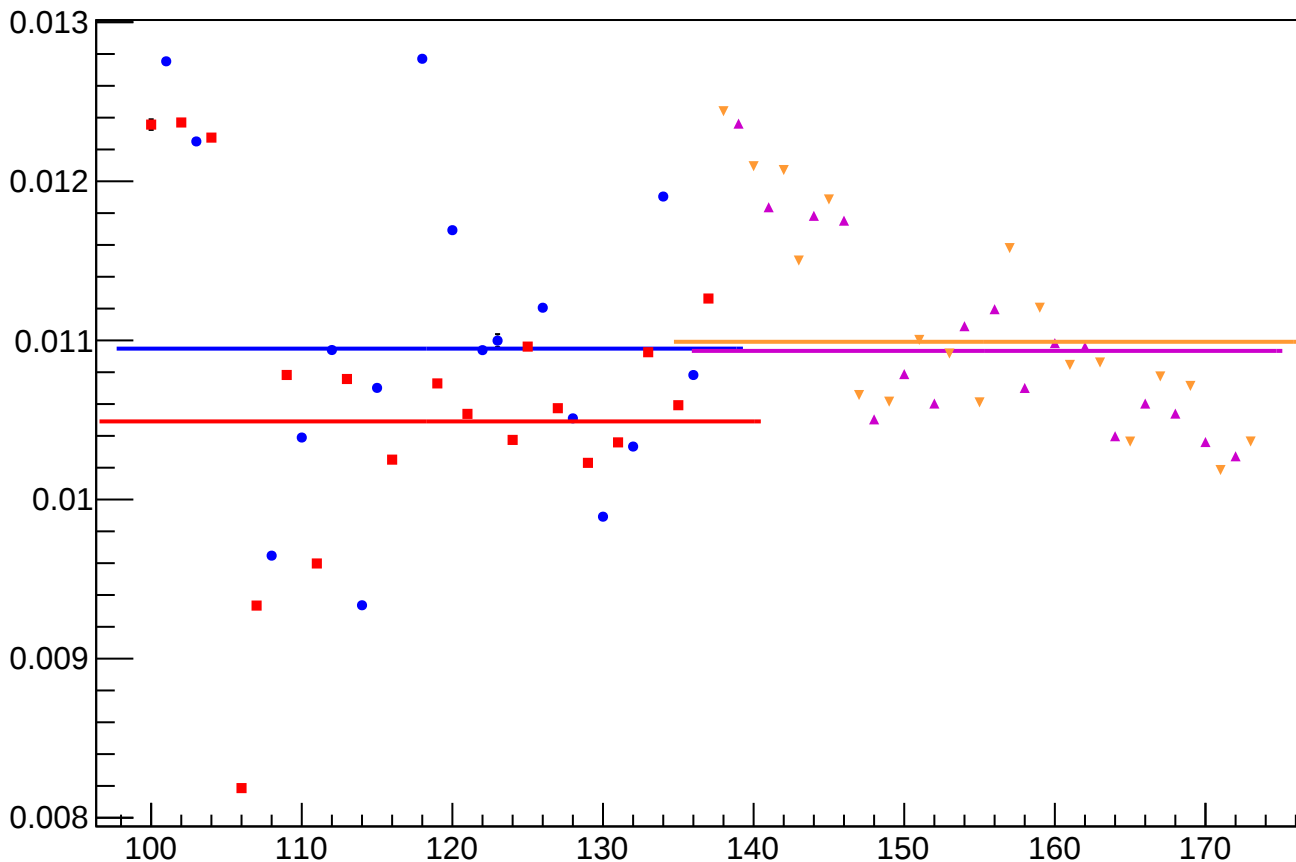
Left In: 0.500+/-0.000 χ^2/NDF : 7245281001.6/16

+ sign 0.581+/-0.000 χ^2/NDF : 12387704406.4/35

All: 0.591+/-0.000 χ^2/NDF : 22917894546.6/7

- sign 0.600+/-0.000 χ^2/NDF : 10499262711.1/35

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

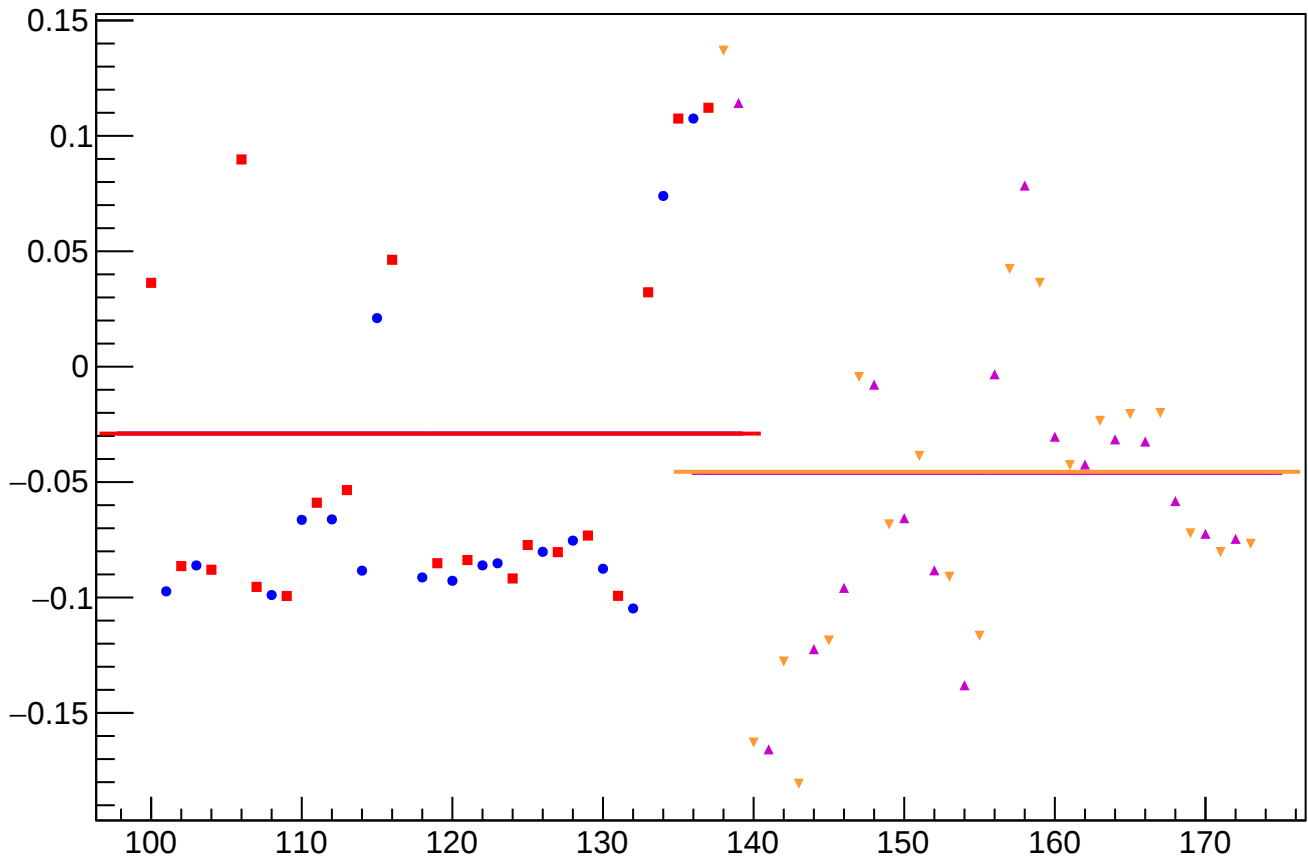
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 65855.6/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 177630.7/35

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 385631.8/71

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 200737.9/35

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

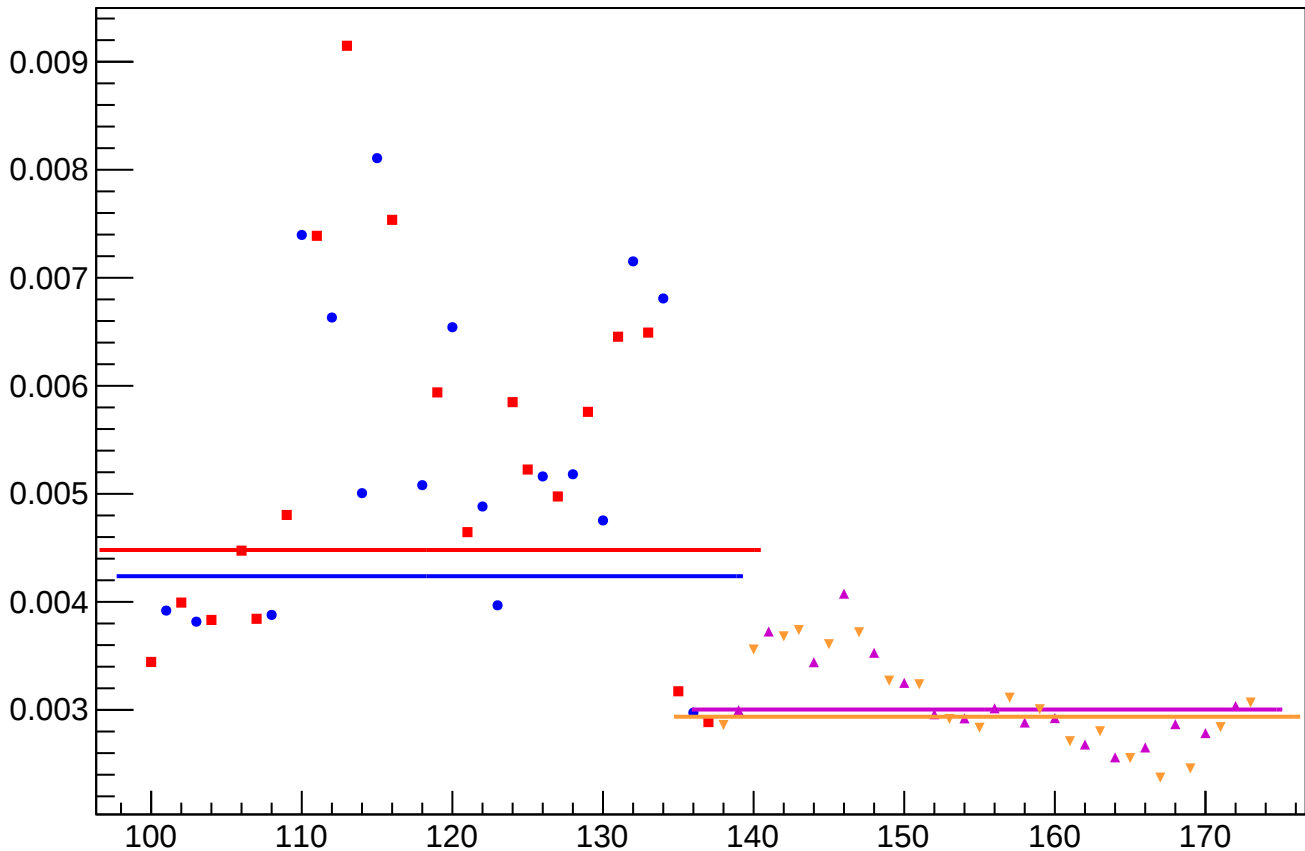
Left In: -0.046+/-0.000 χ^2/NDF : 6009801563.8/16

+ sign -0.043+/-0.000 χ^2/NDF : 9580791077.4/35

All: -0.043+/-0.000 χ^2/NDF : 17773544496.2/35

- sign -0.043+/-0.000 χ^2/NDF : 8192698186.5/35

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

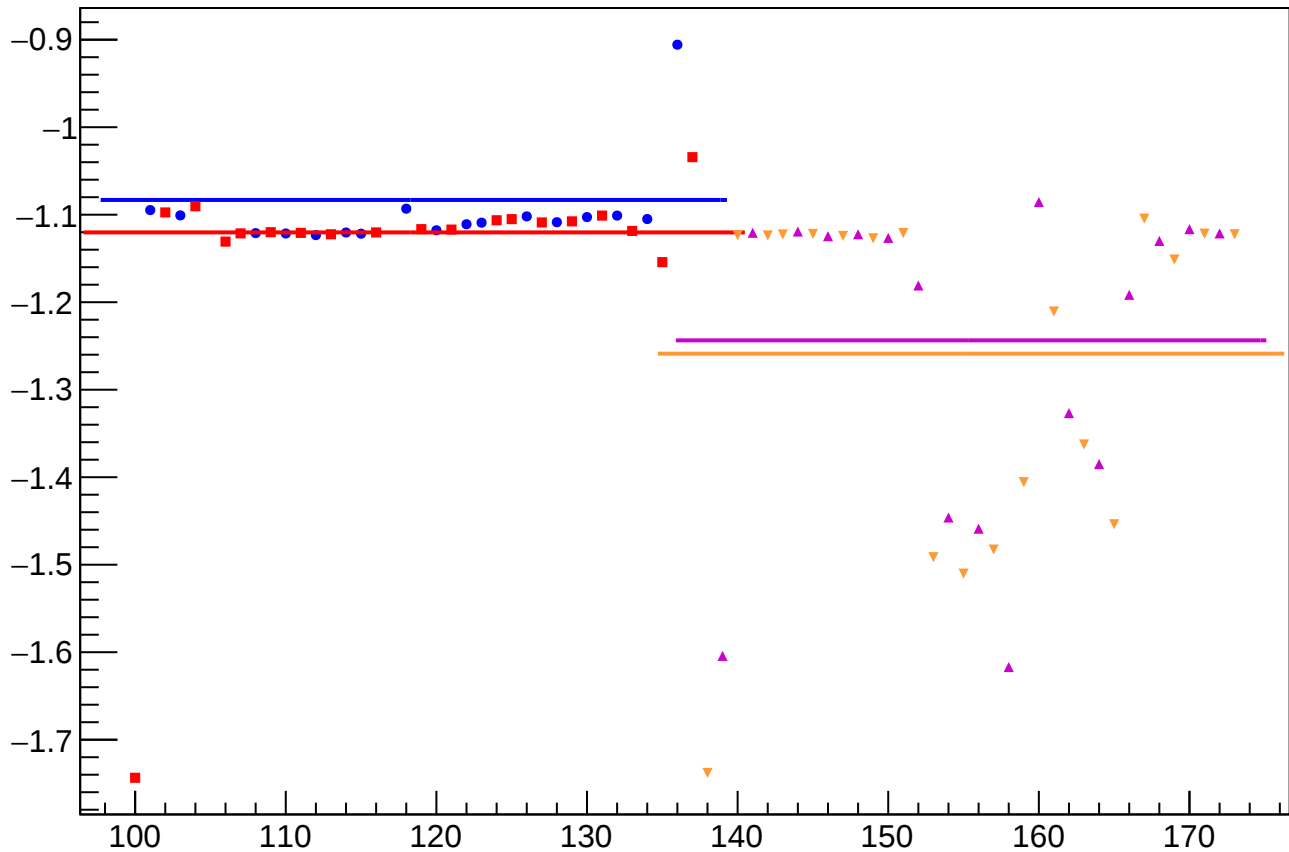
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 309046.9/16

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2204365.6/35

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4563865.7/71

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2338132.7/35

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

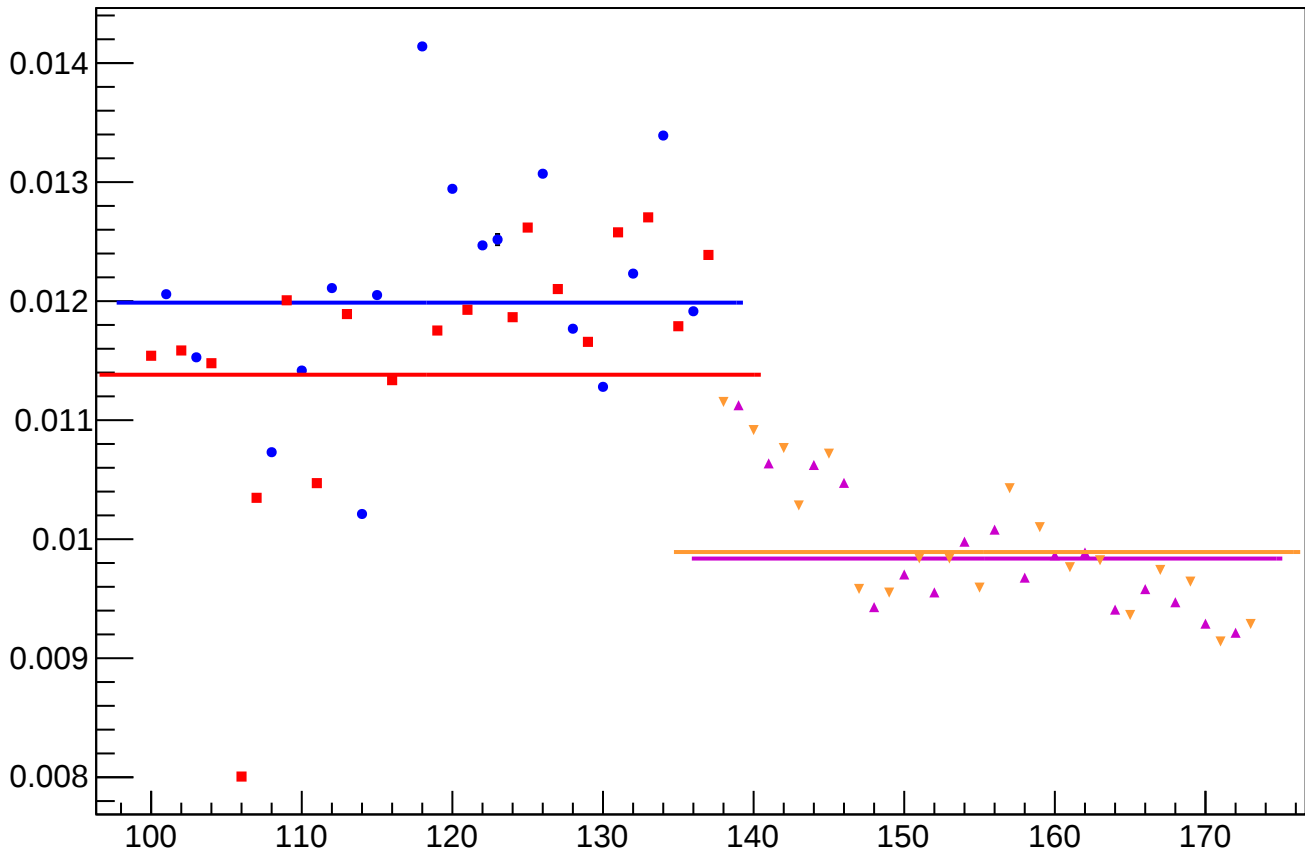
Left In: -1.244 ± 0.000 χ^2/NDF : 3954579986.4/16

+ sign -1.216 ± 0.000 χ^2/NDF : 5815584645.2/35

All: -1.212 ± 0.000 χ^2/NDF : 10570101382.4/35

- sign -1.208 ± 0.000 χ^2/NDF : 4748737764.7/35

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

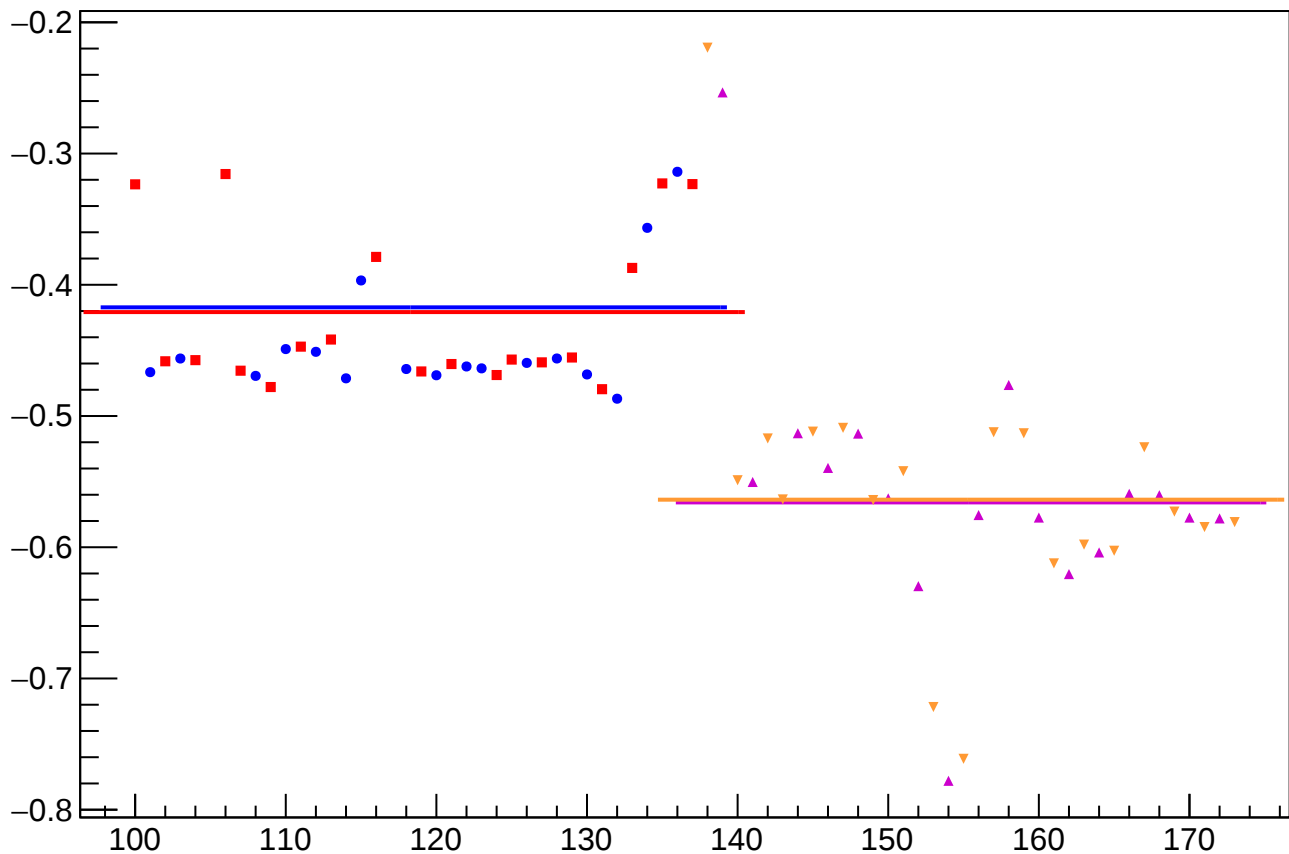
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 65164.1/16

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 436391.3/35

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 838533.7/71

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 399462.8/35

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

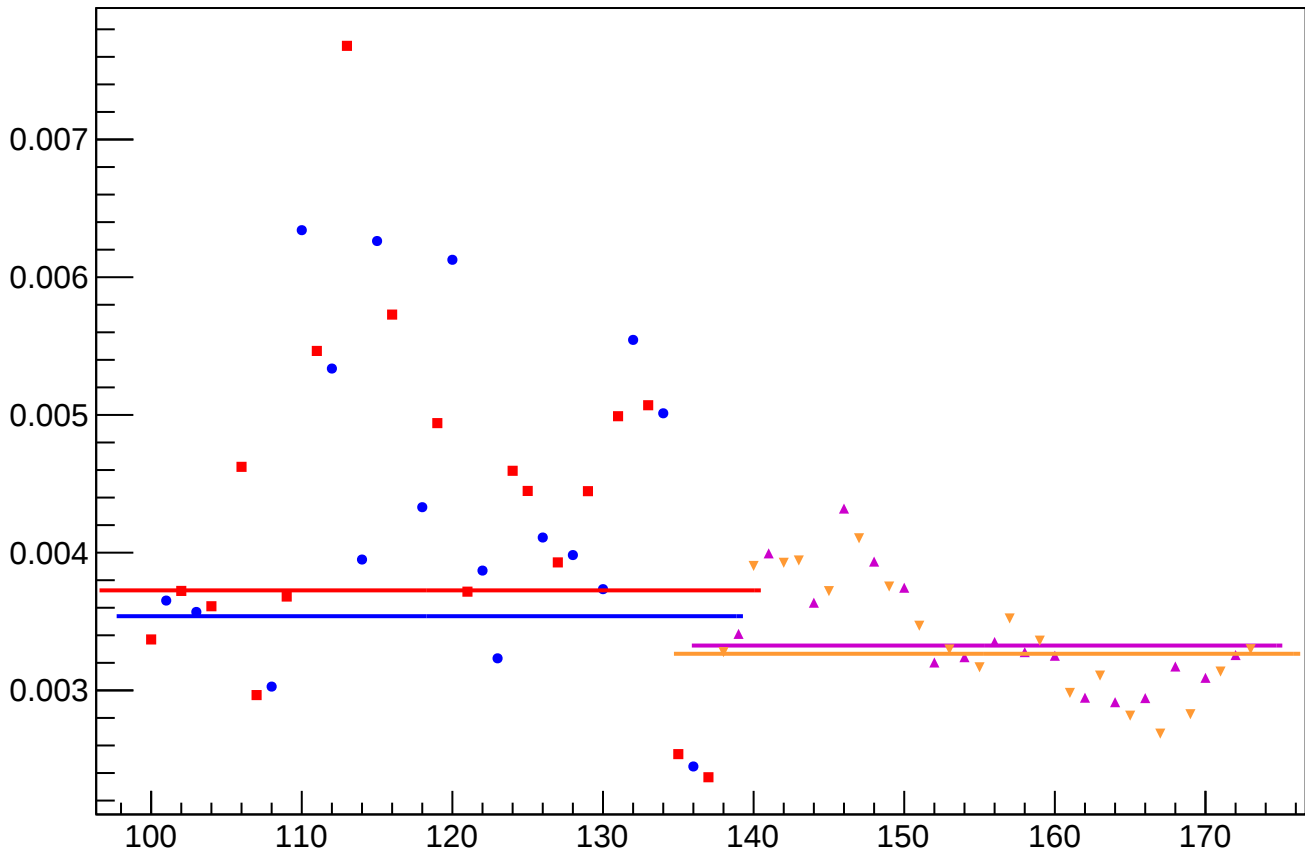
Left In: -0.566+/-0.000 χ^2 /NDF:10431426254.2/16

+ sign -0.526+/-0.000 χ^2 /NDF: 22248559464.8/35

All: -0.526+/-0.000 χ^2 /NDF: 40745402269.5/35

- sign -0.526+/-0.000 χ^2 /NDF: 18496824334.8/35

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

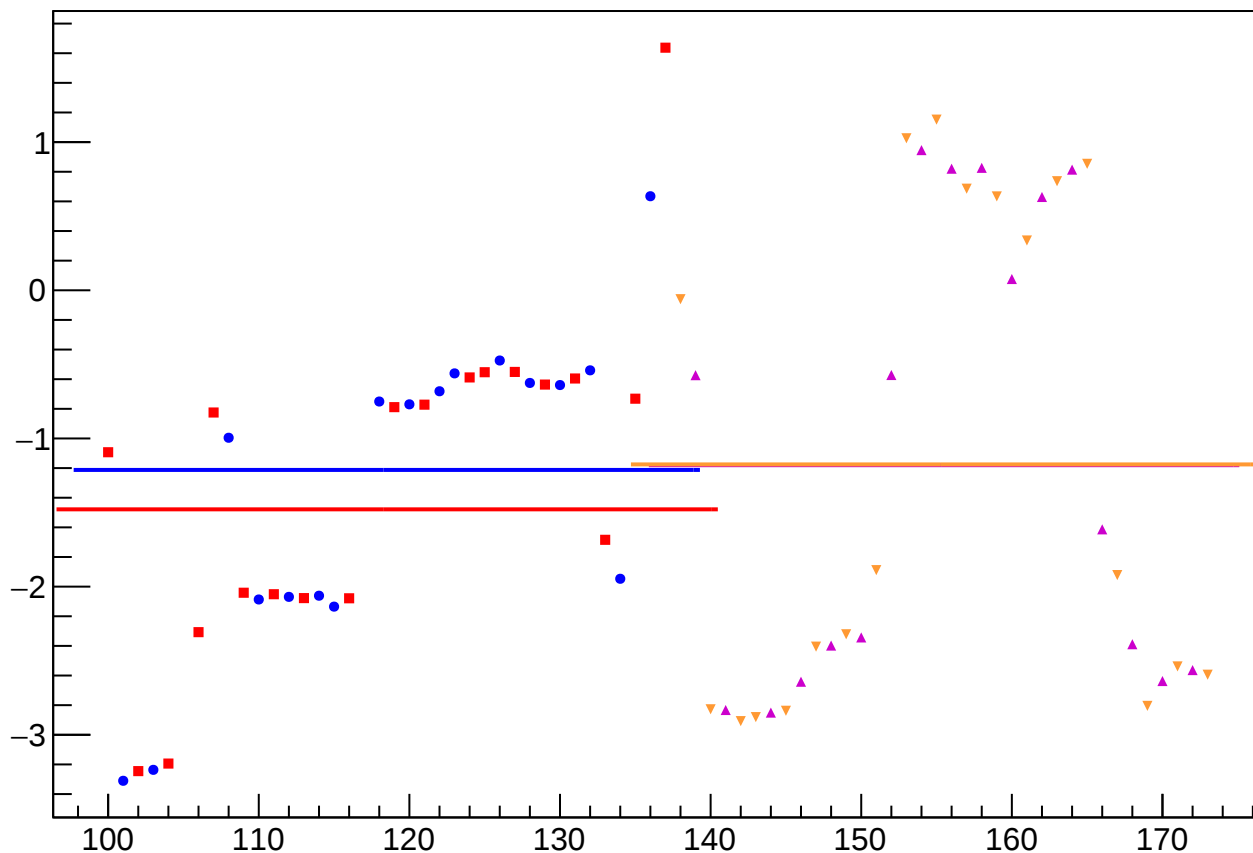
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 262345.3/16

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1256628.3/35

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2531148.4/71

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1258763.6/35

yield_bpm0r03X_mean vs Slug



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -1.175+/-0.000 χ^2/NDF : 6395704300.6/18

Right Out: -1.478+/-0.000 χ^2/NDF : 1578264383.8/18

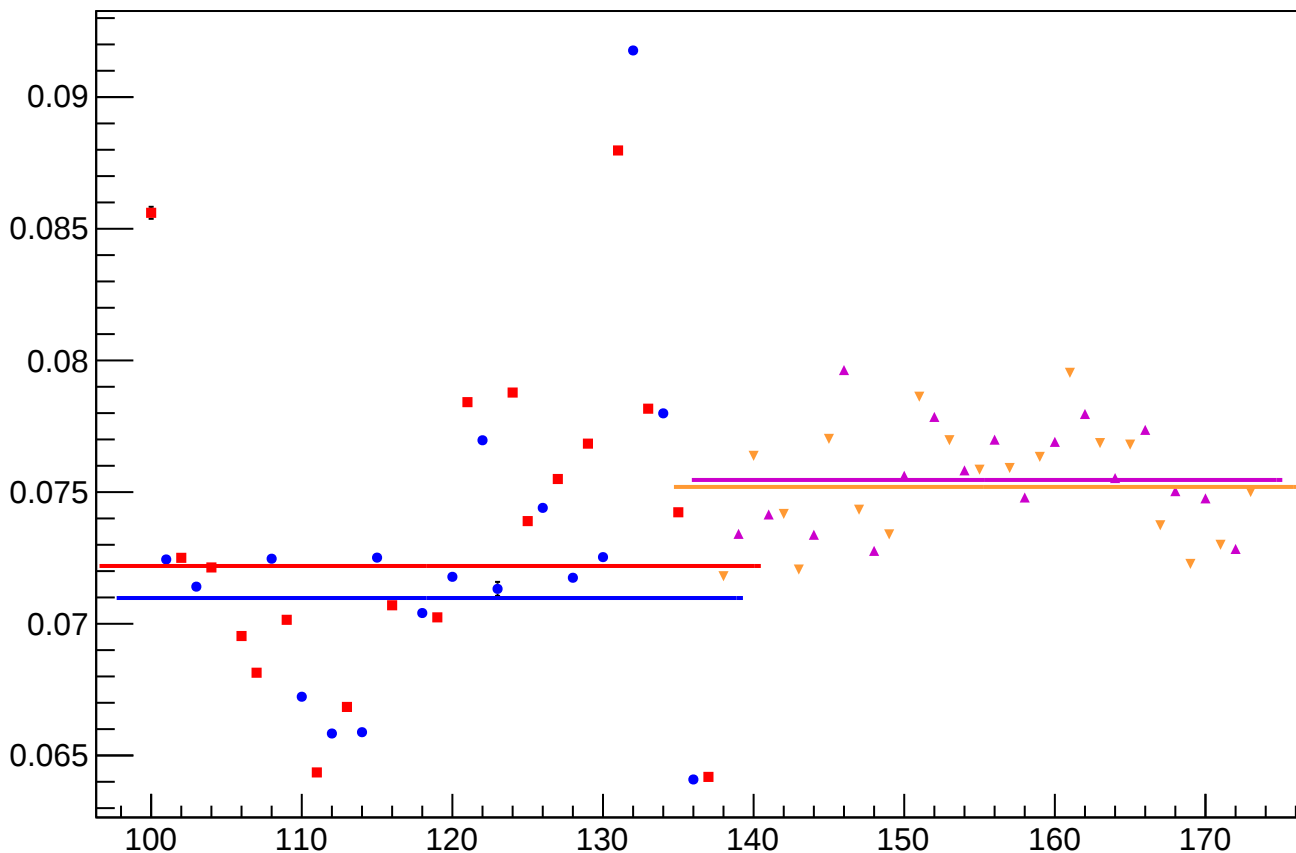
Left In: -1.180+/-0.000 χ^2/NDF : 5182199445.2/16

+ sign -1.188+/-0.000 χ^2/NDF : 8389741402.4/35

All: -1.238+/-0.000 χ^2/NDF : 15244283178.3/35

- sign -1.291+/-0.000 χ^2/NDF : 6835071192.6/35

yield_bpm0r03X_rms vs Slug



Right In: 0.071 $\pm$ 0.000 χ^2 /NDF: 77589.5/16

Left Out: 0.075 $\pm$ 0.000 χ^2 /NDF: 23115.2/18

Right Out: 0.072 $\pm$ 0.000 χ^2 /NDF: 73228.9/18

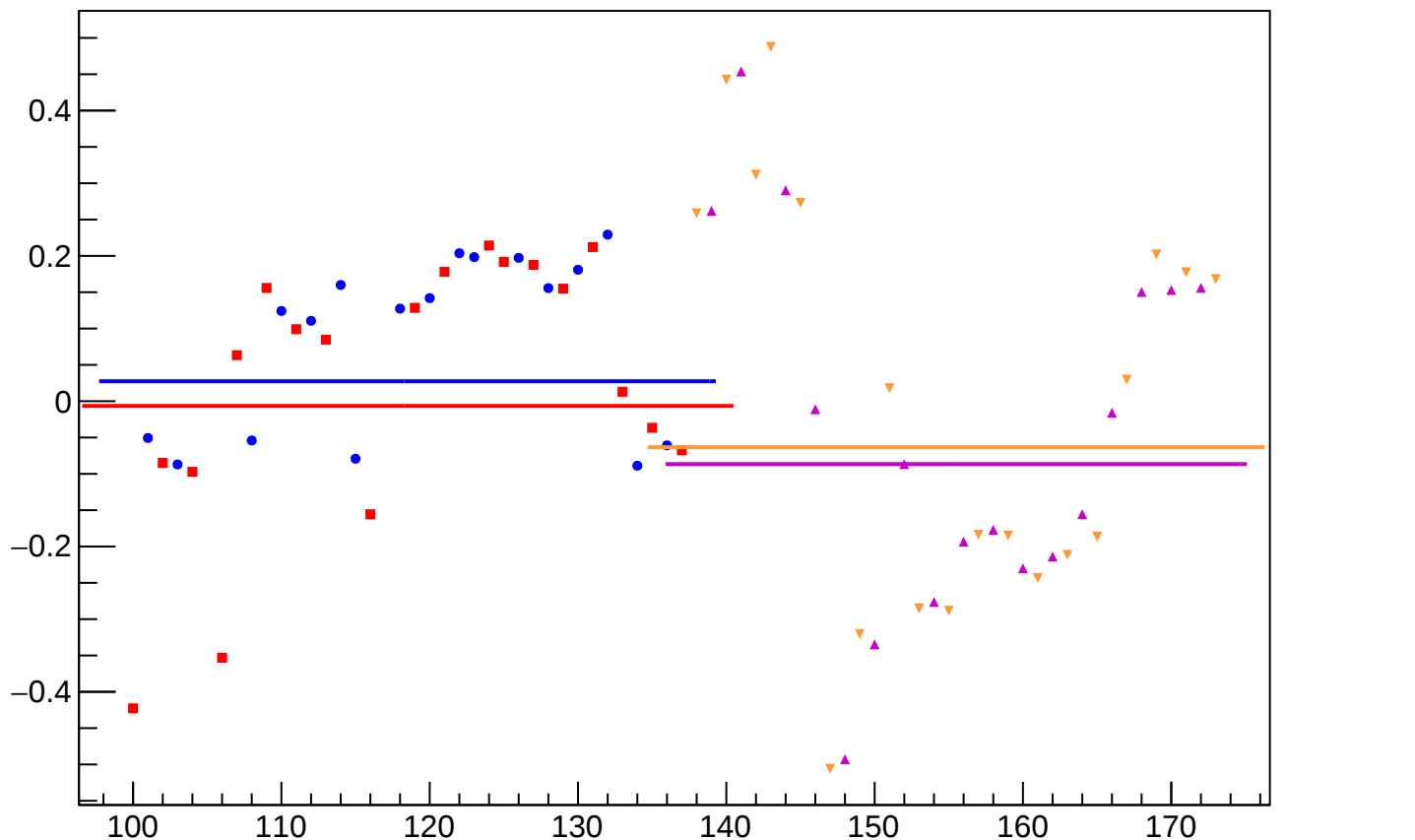
Left In: 0.075 $\pm$ 0.000 χ^2 /NDF: 16200.6/16

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 131073.9/35

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 239407.5/71

- sign 0.074 $\pm$ 0.000 χ^2 /NDF: 107362.9/35

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

Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

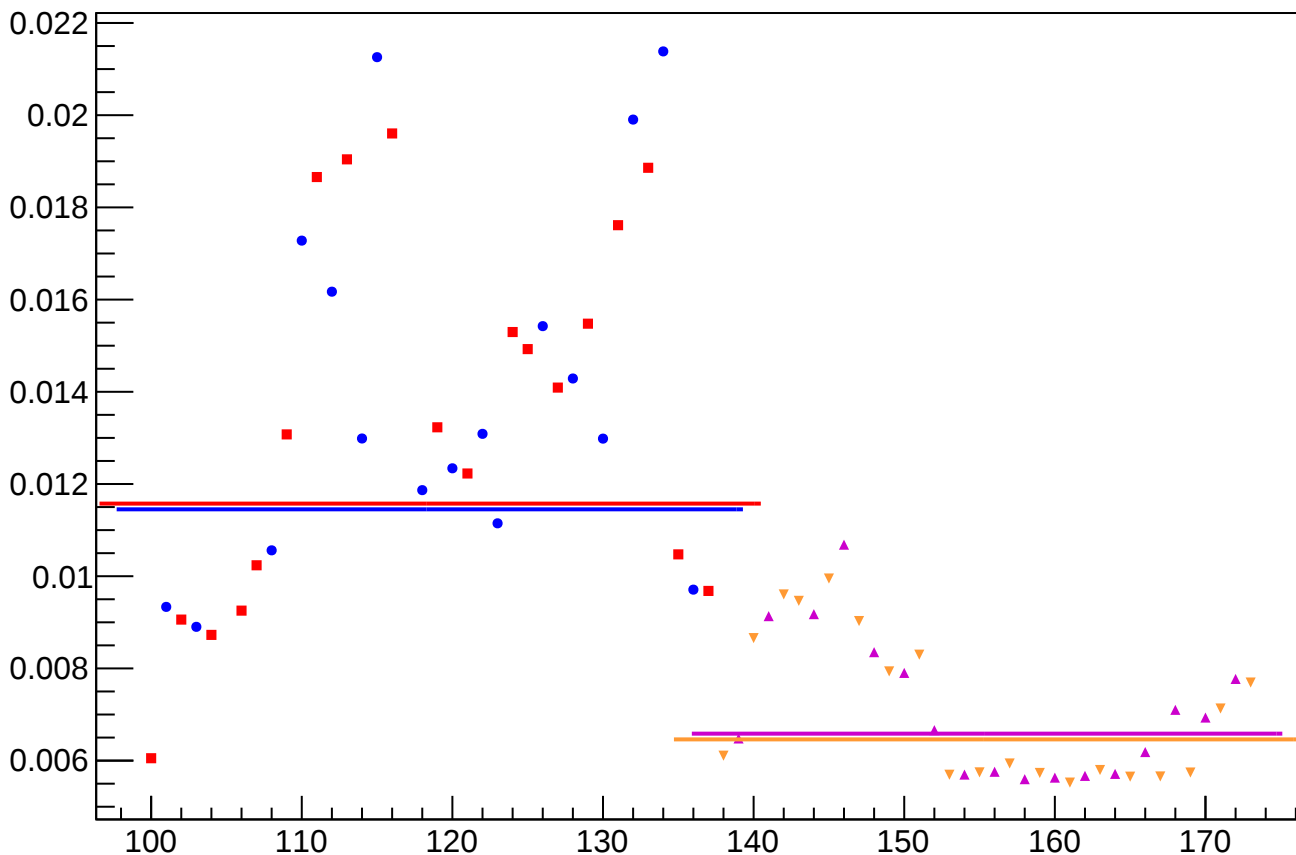
Left In: -0.087+/-0.000 χ^2/NDF : 13220935053.8/16

+ sign -0.052+/-0.000 χ^2/NDF : 18922552412.1/35

All: -0.063+/-0.000 χ^2/NDF : 33679324457.1/35

- sign -0.075+/-0.000 χ^2/NDF : 14664797903.6/35

yield_bpm0r03Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 679628.0/16

Left Out: 0.006+/-0.000 χ^2/NDF : 978937.2/18

Right Out: 0.012+/-0.000 χ^2/NDF : 997161.1/18

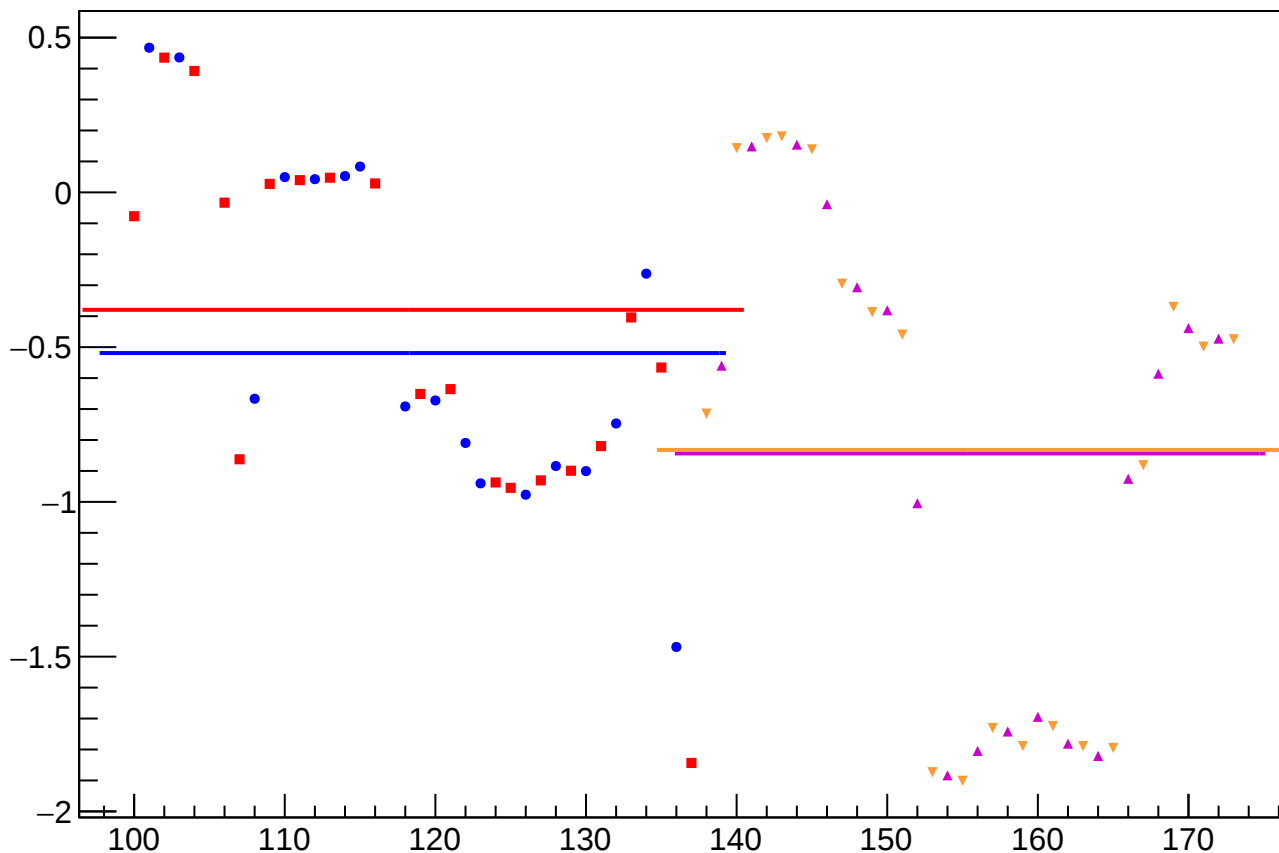
Left In: 0.007+/-0.000 χ^2/NDF : 828440.6/16

+ sign 0.007+/-0.000 χ^2/NDF : 3570709.7/35

All: 0.007+/-0.000 χ^2/NDF : 7309485.9/71

- sign 0.007+/-0.000 χ^2/NDF : 3725954.7/35

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

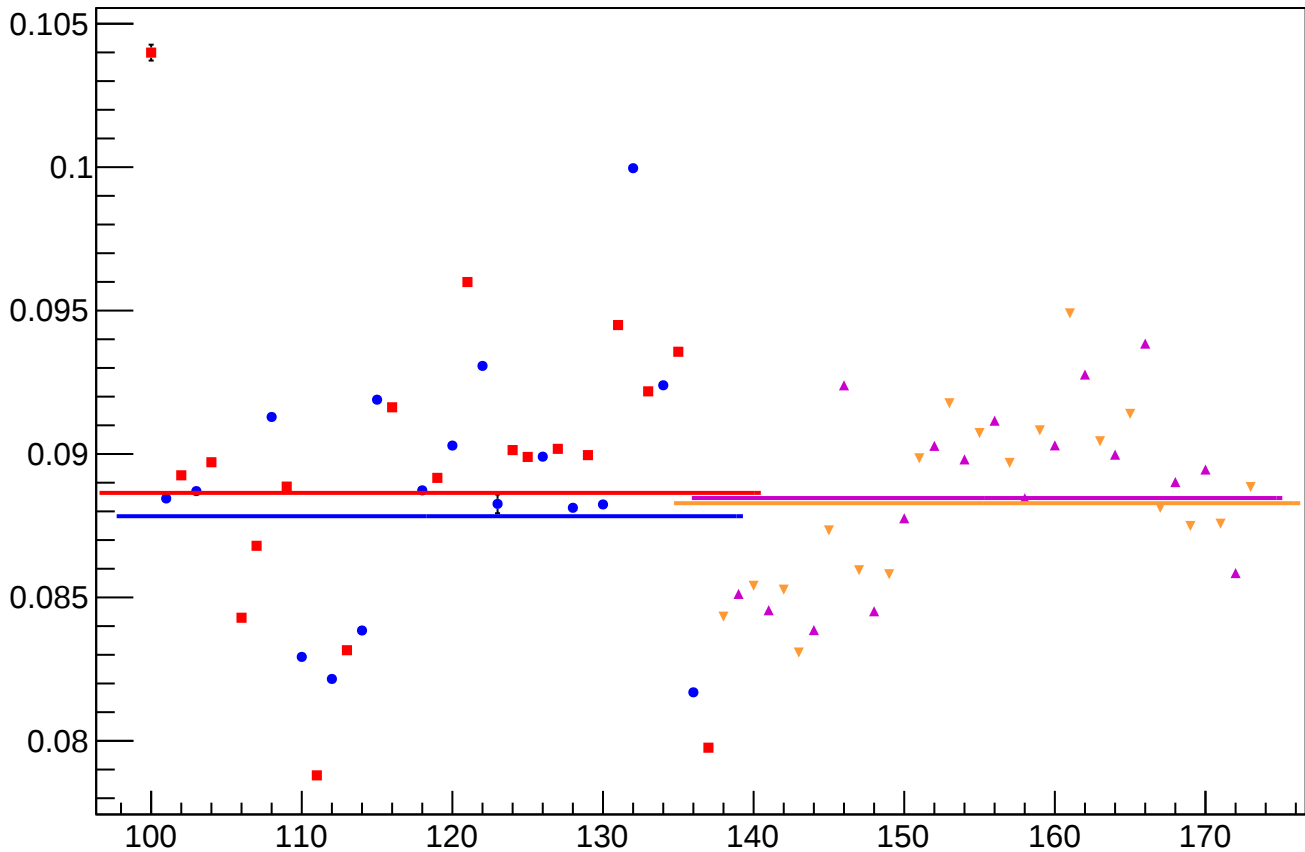
Left In: -0.843 ± 0.000 χ^2/NDF : 899286477.9/16

+ sign -0.731 ± 0.000 χ^2/NDF : 1461498307.5/35

All: -0.706 ± 0.000 χ^2/NDF : 2758884894.9/7

- sign -0.681 ± 0.000 χ^2/NDF : 1294091418.7/35

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

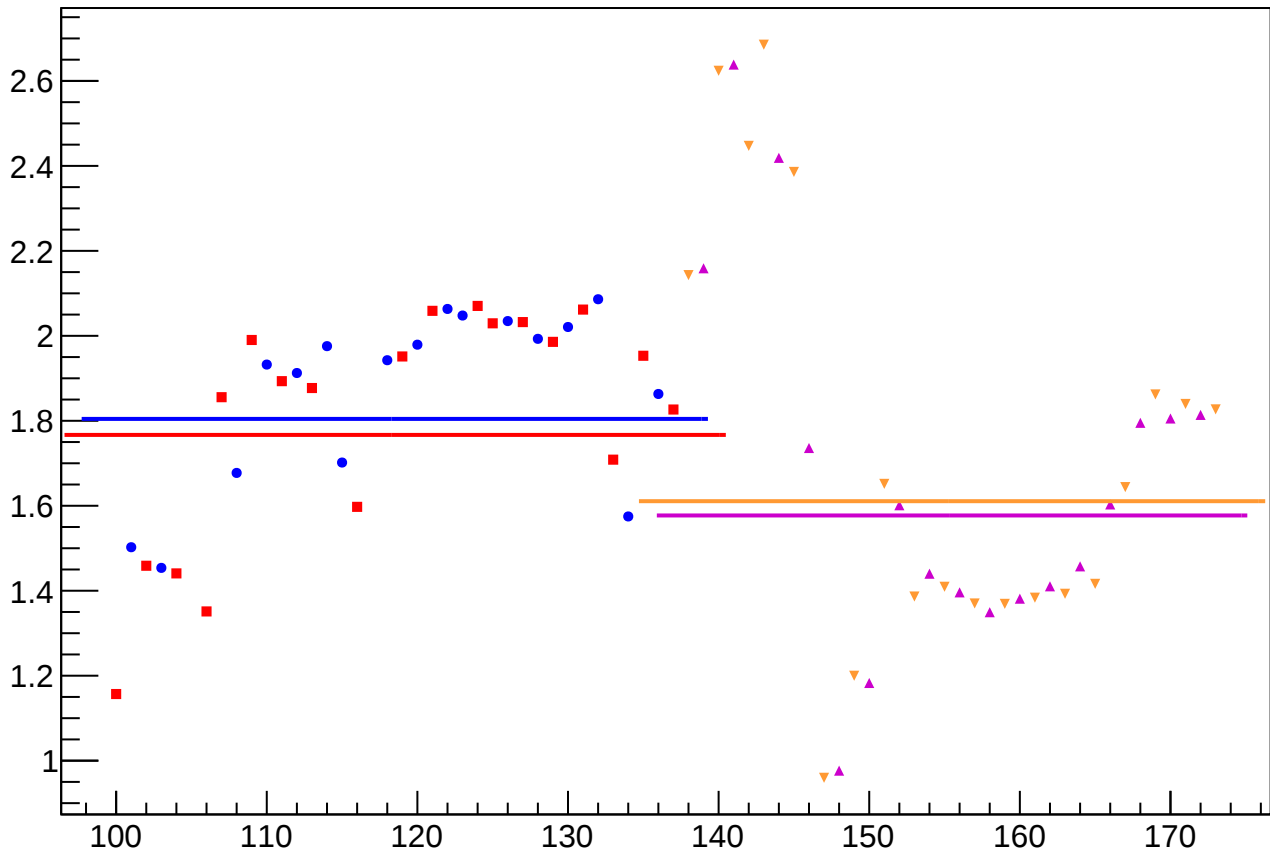
Left In: 0.088 $\pm$ 0.000 χ^2 /NDF: 29078.4/16

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 64875.0/35

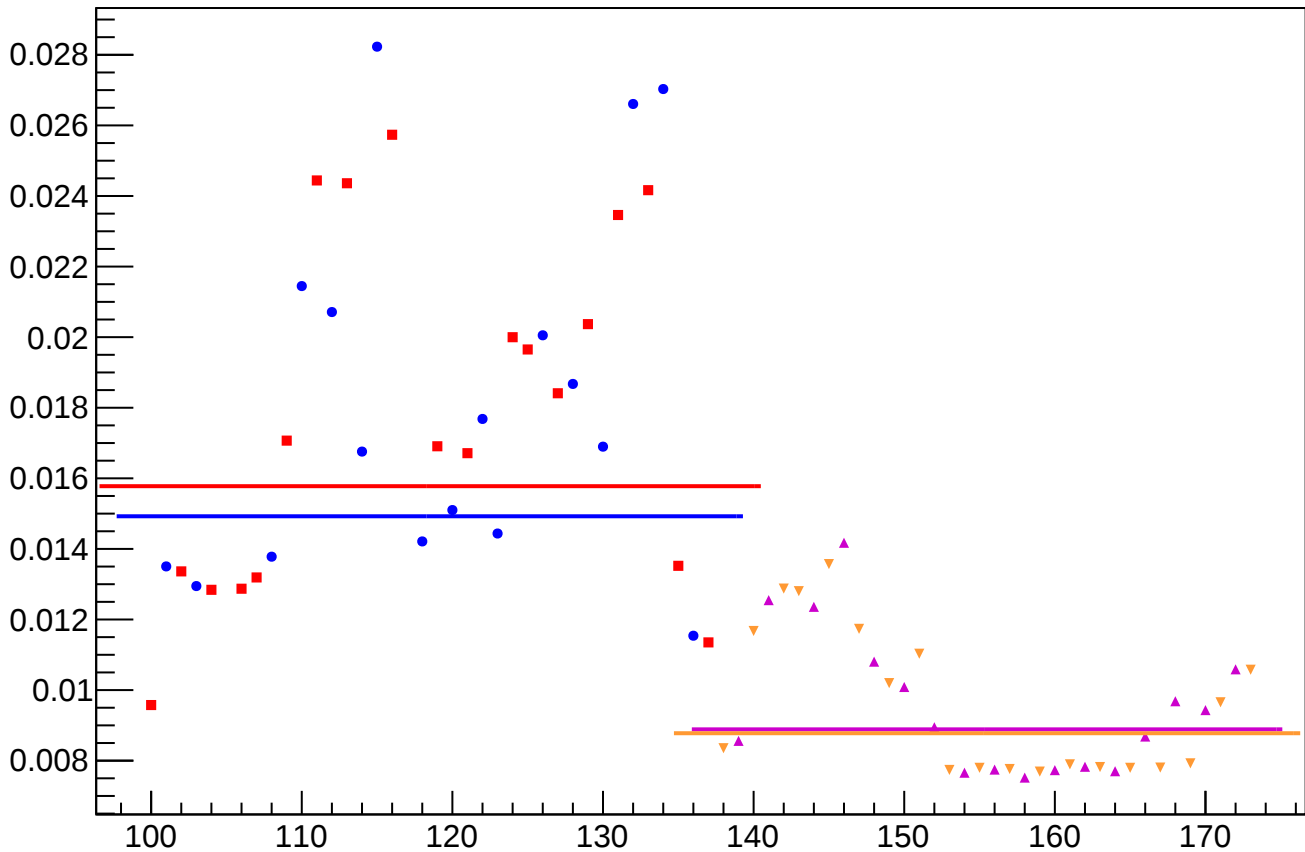
All: 0.088 $\pm$ 0.000 χ^2 /NDF: 134113.1/71

- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 68839.0/35

yield_bpm0r05Y_mean vs Slug



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

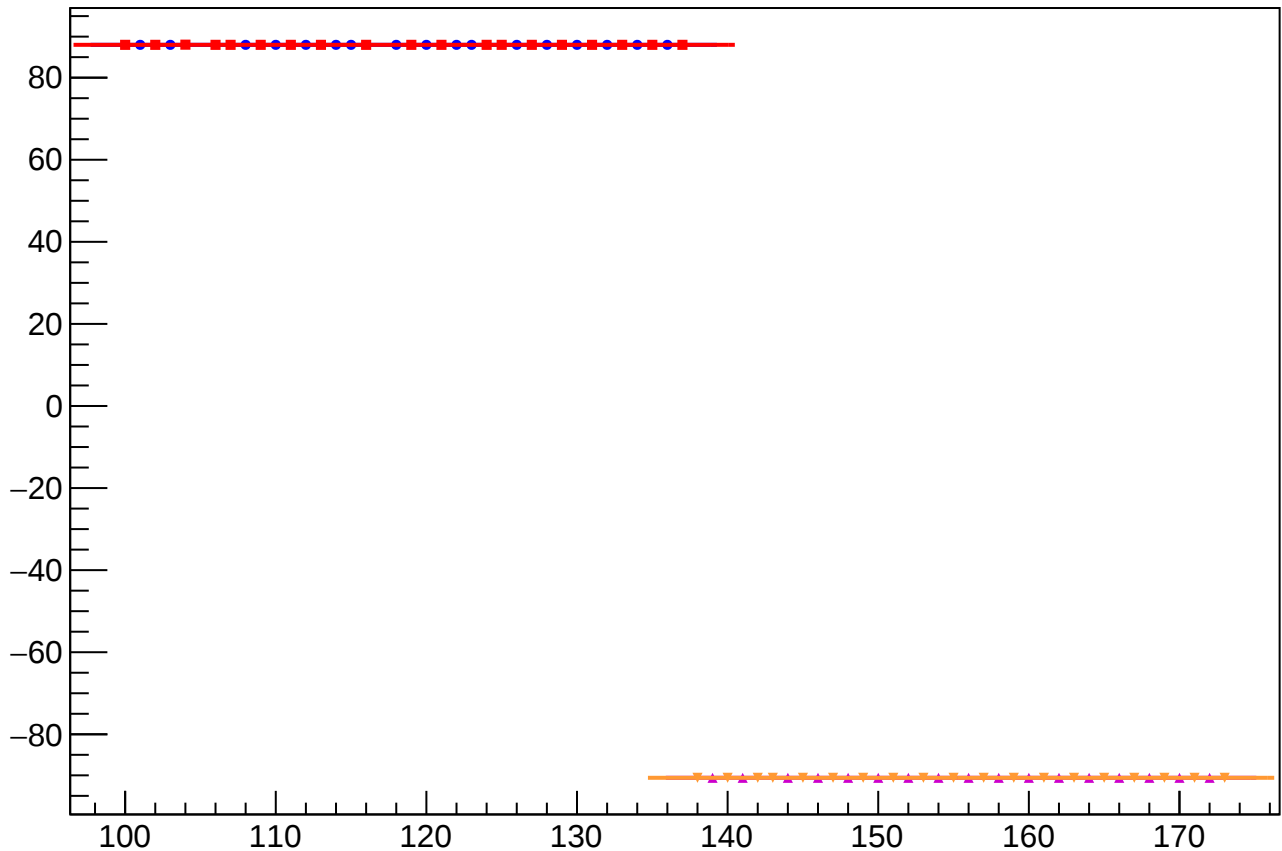
Left In: 0.009+/-0.000 χ^2/NDF : 780055.3/16

+ sign 0.010+/-0.000 χ^2/NDF : 3237692.1/35

All: 0.010+/-0.000 χ^2/NDF : 6801625.7/71

- sign 0.010+/-0.000 χ^2/NDF : 3553209.7/35

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

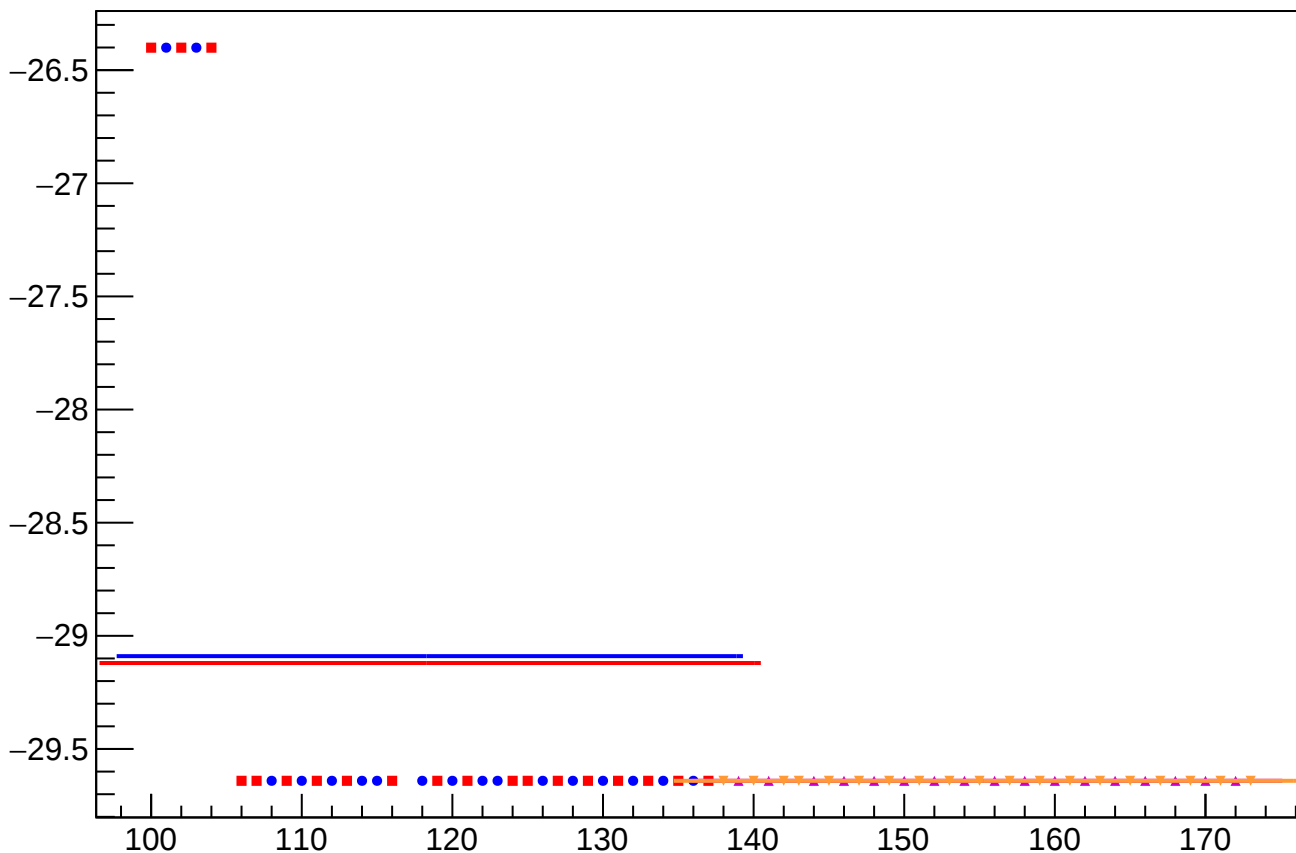
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5425545.5/16

+ sign -33.216 $\pm$ 0.000 χ^2 /NDF: 150245889332592

All: -30.981 $\pm$ 0.000 χ^2 /NDF: 300908698282

- sign -28.663 $\pm$ 0.000 χ^2 /NDF: 1504430700208136

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

Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18

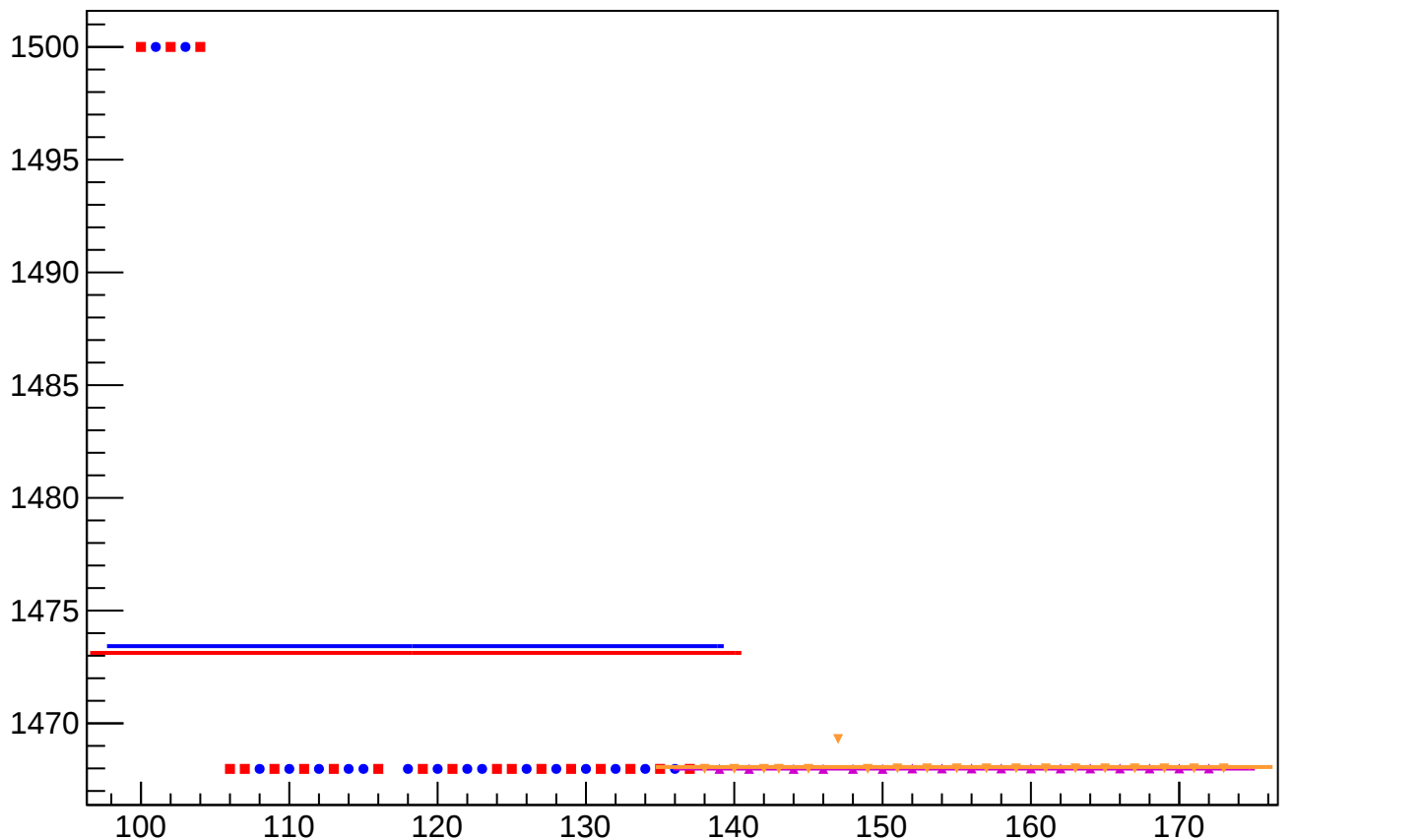
Left In: -29.641+/-0.000 χ^2/NDF : 283636.5/16

+ sign -29.464+/-0.000 χ^2/NDF : 117104615999998

All: -29.462+/-0.000 χ^2/NDF : 232093472588

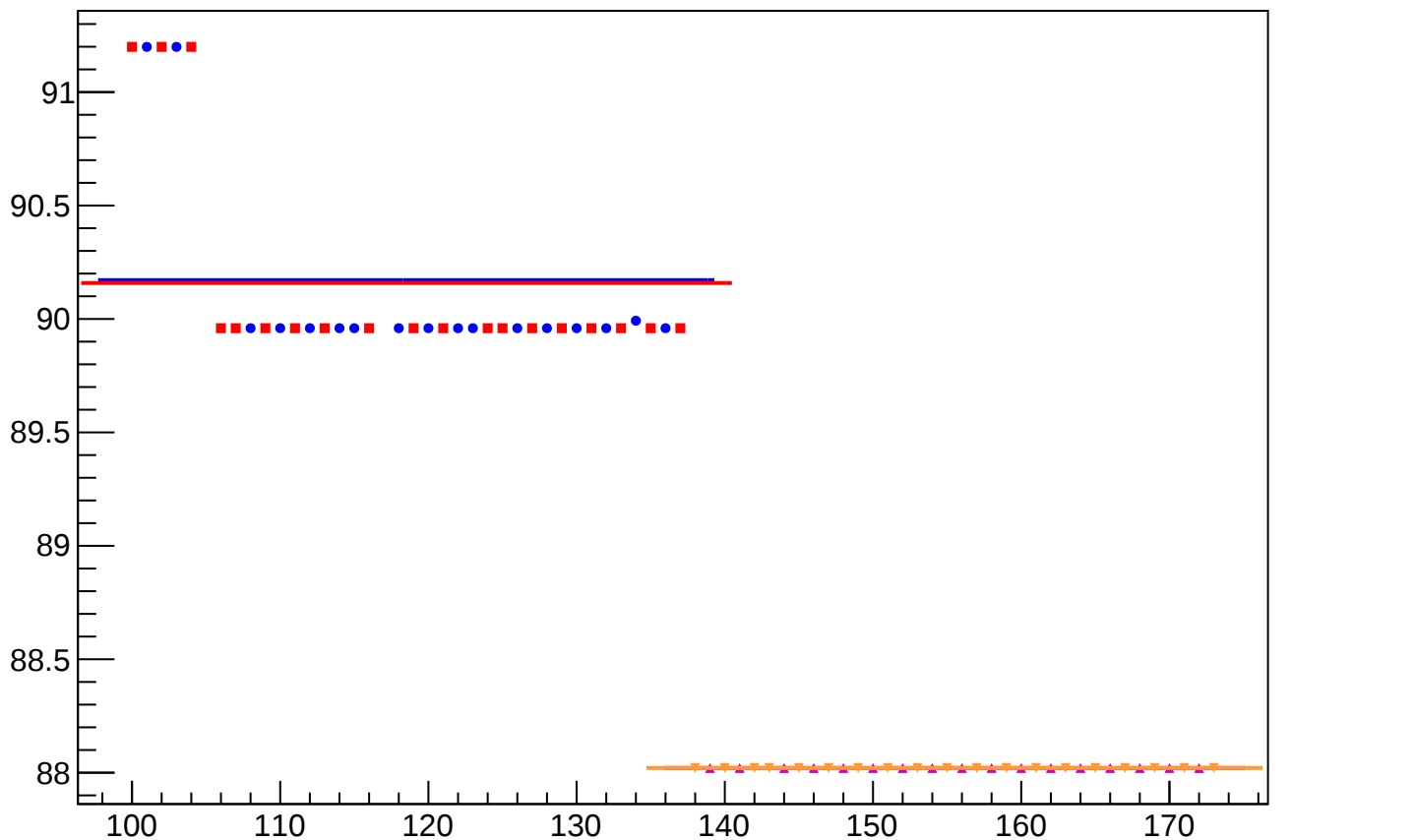
- sign -29.460+/-0.000 χ^2/NDF : 1149875439769429

epics_psub_pl_poss_mean vs Slug



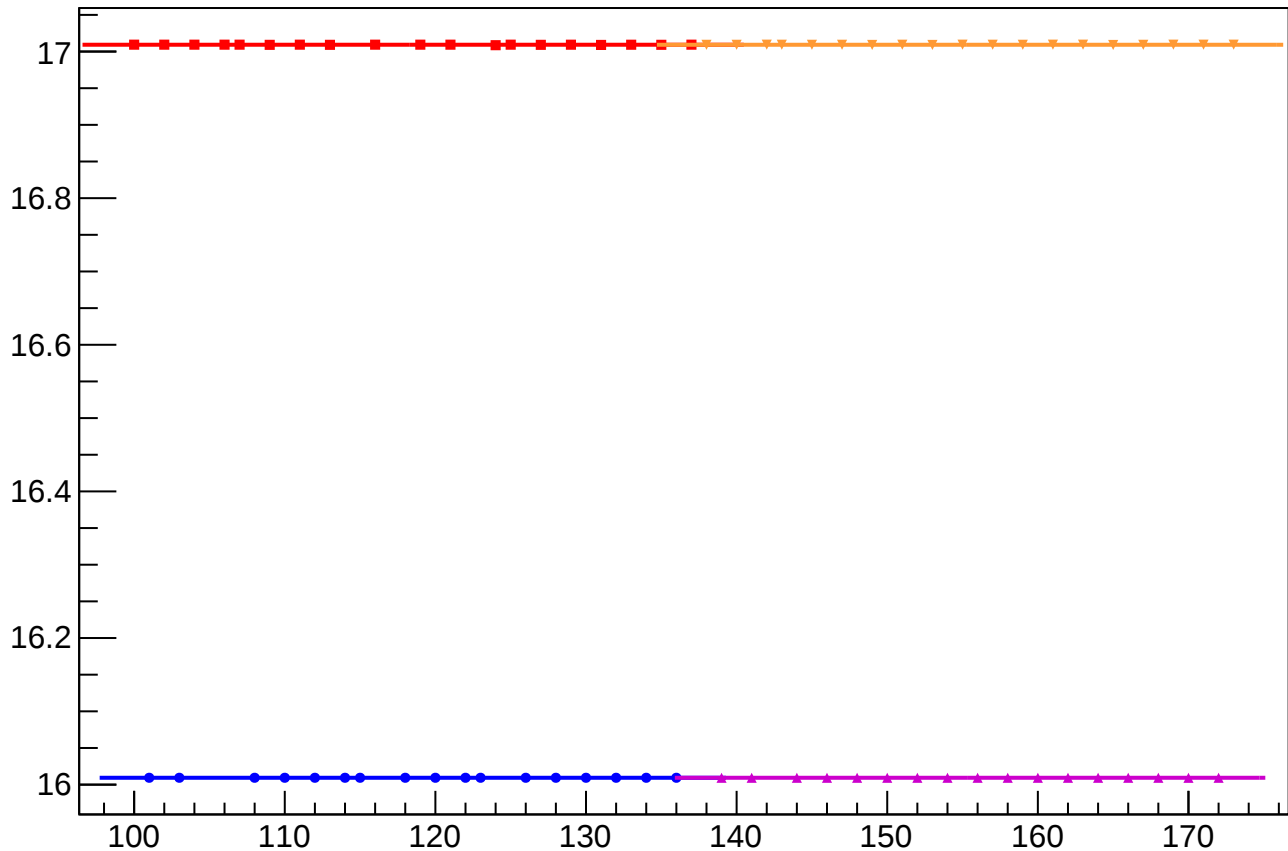
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16
 Left Out: 1468.063+/-0.000 χ^2/NDF : 126569281055902355463298139291648.0/18
 Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18
 Left In: 1467.992+/-0.000 χ^2/NDF : 126576176442352566252488097792.0/16
 All: 1469.779+/-0.000 χ^2/NDF : 22634149320.0/16
 + sign 1469.785+/-0.000 χ^2/NDF : 11408641204057.0/16
 - sign 1469.772+/-0.000 χ^2/NDF : 11225488751401.0/16

epics_Phi_FGs_mean vs Slug



Right In: 90.171 $\pm$ 0.000 χ^2/NDF : 150316905454500935857801185460224.0/16
 Left Out: 88.021 $\pm$ 0.000 χ^2/NDF : 4417621.1/18
 Right Out: 90.159 $\pm$ 0.000 χ^2/NDF : 149705165651000025160777180643328.0/18
 Left In: 88.021 $\pm$ 0.000 χ^2/NDF : 5929810.6/16

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

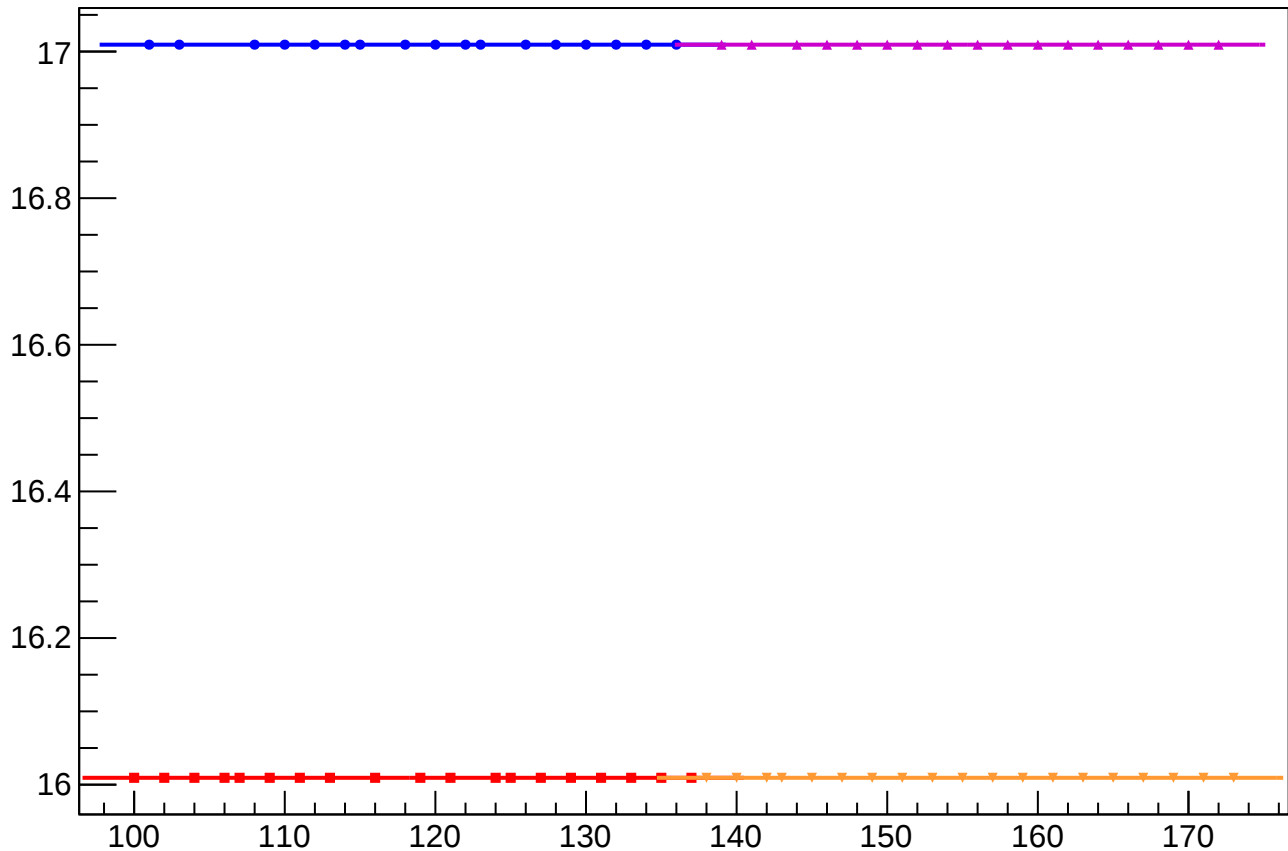
Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12516014336037541461884928.0/18

All: 16.520 $\pm$ 0.000 χ^2 /NDF: 9798528040478

- sign 16.351 $\pm$ 0.000 χ^2 /NDF: 4302231854533449

Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 12601286947283106660352.0/16

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

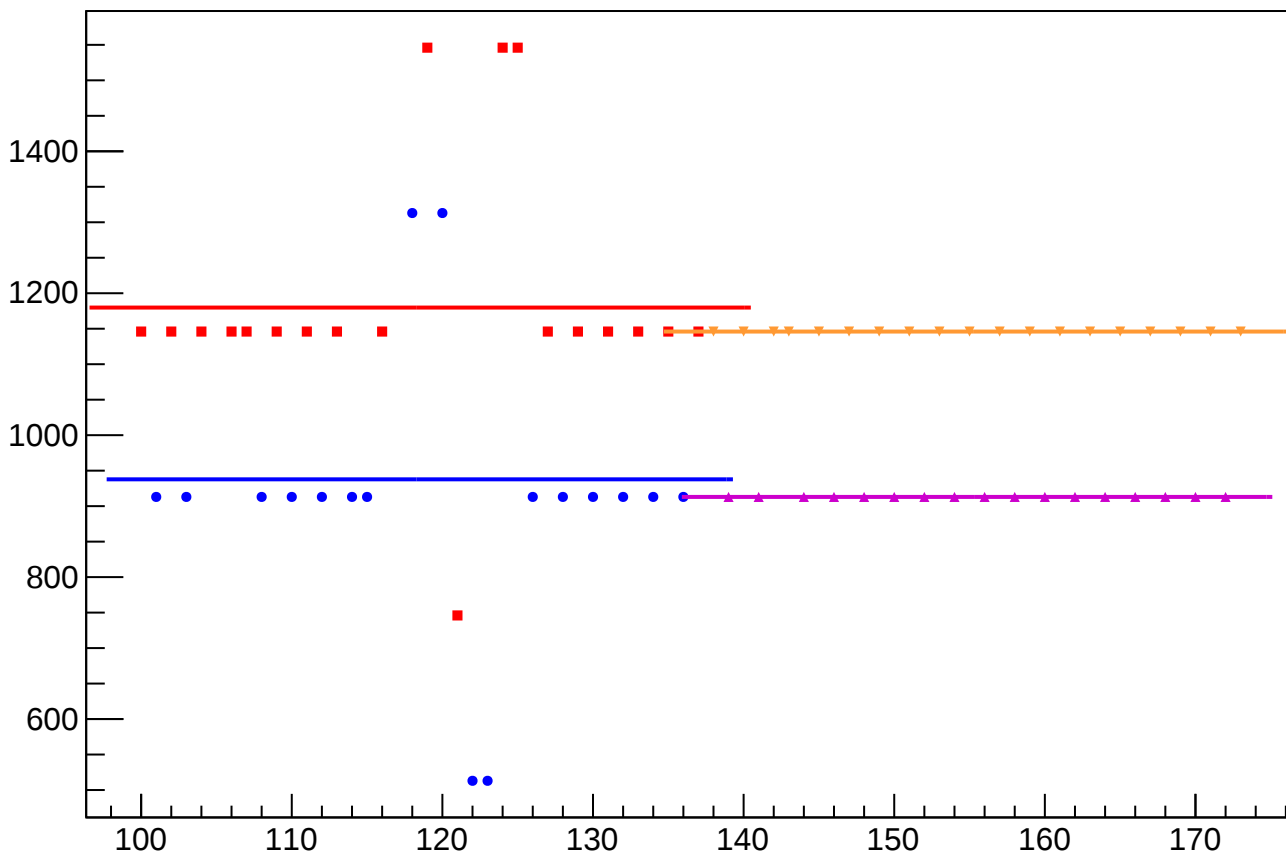
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 113242713141386548346880.0/16

+ sign 16.323 $\pm$ 0.000 χ^2 /NDF: 4543998105163364

All: 16.489 $\pm$ 0.000 χ^2 /NDF: 1038300595070

- sign 16.660 $\pm$ 0.000 χ^2 /NDF: 4654980631953085

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

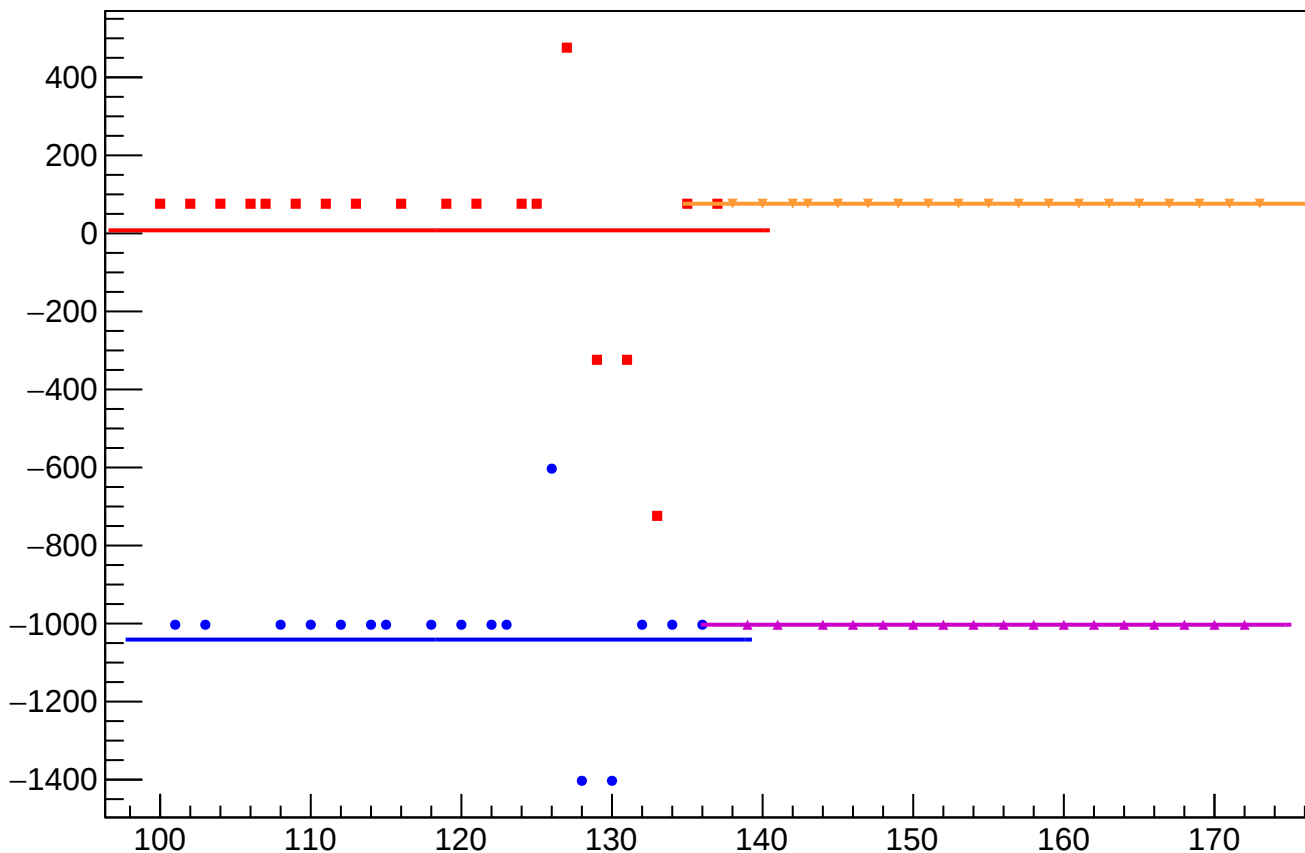
Left In: 912.995+/-0.000 χ^2/NDF : 18118402996388068783445508096.0/16

All: 1042.990+/-0.000 χ^2/NDF : 10200949280.0/18

+ sign 1079.107+/-0.000 χ^2/NDF : 41278751169670.0/18

- sign 1005.520+/-0.000 χ^2/NDF : 54989960059759.0/18

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: -464.269+/-0.000 χ^2/NDF : 12809533395

Left In: -1002.990+/-0.000 χ^2/NDF : 2036549959284489034691248128.0/16 - sign -652.444+/-0.000 χ^2/NDF : 525764602216273