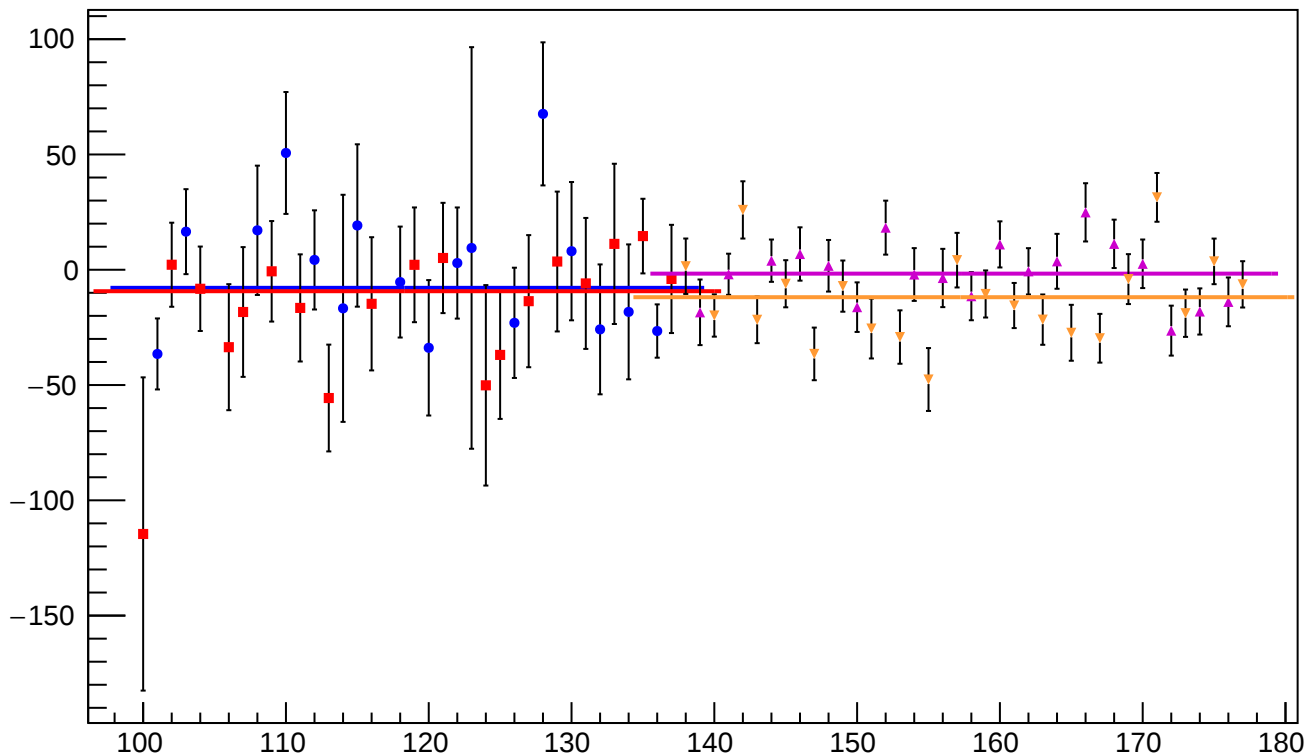


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -11.904 ± 2.373

χ^2/NDF : 55.3/20

Right Out: -9.309 ± 5.677

χ^2/NDF : 13.2/18

Left In: -1.686 ± 2.480

χ^2/NDF : 25.2/18

+ sign -11.287 ± 2.186

χ^2/NDF : 78.4/37

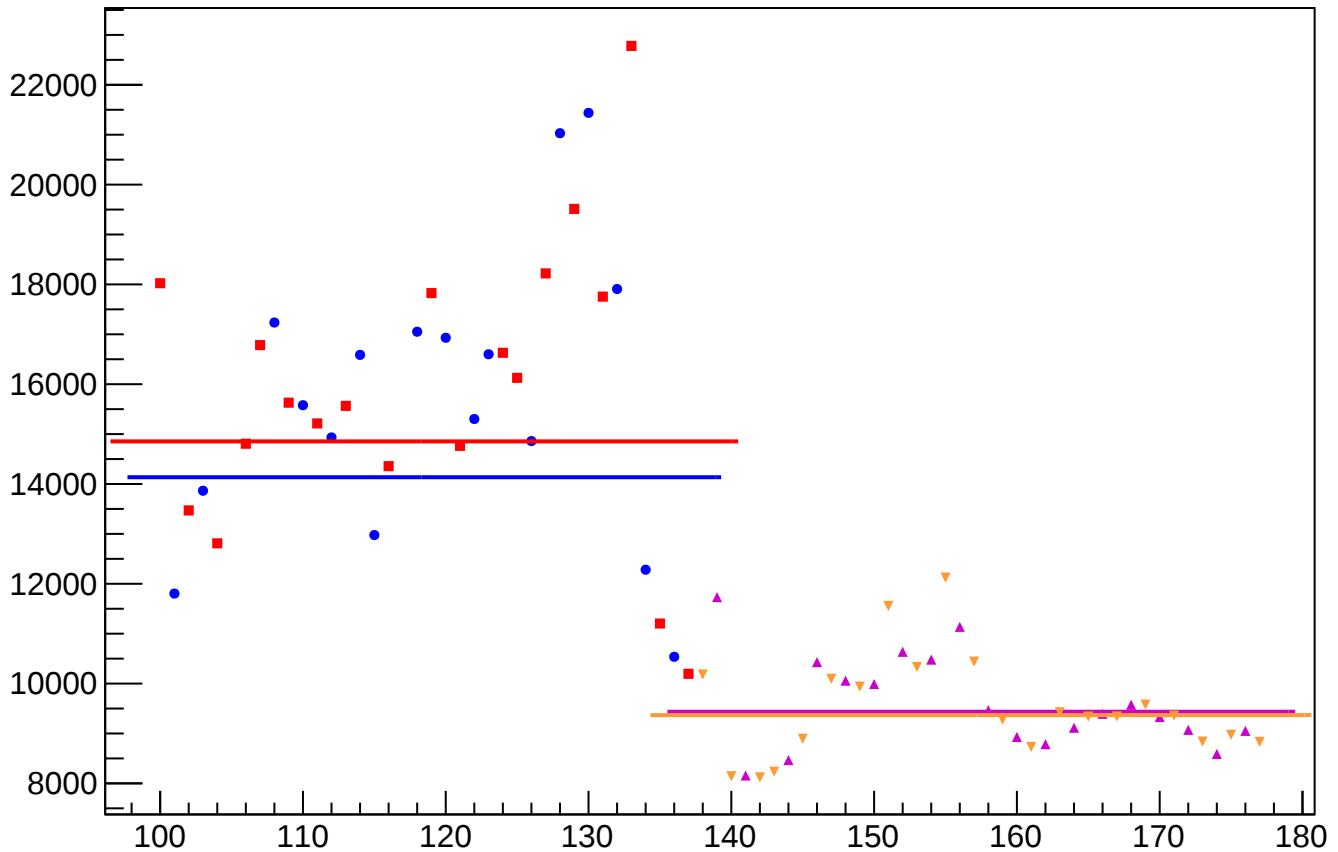
All: -7.260 ± 1.575

χ^2/NDF : 125.4/75

- sign -2.907 ± 2.272

χ^2/NDF : 39.9/37

diff_bpm4aX_rms vs Slug



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

Left Out: 9368.525 $\pm$ 1.678 χ^2 /NDF:300249.1/20

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

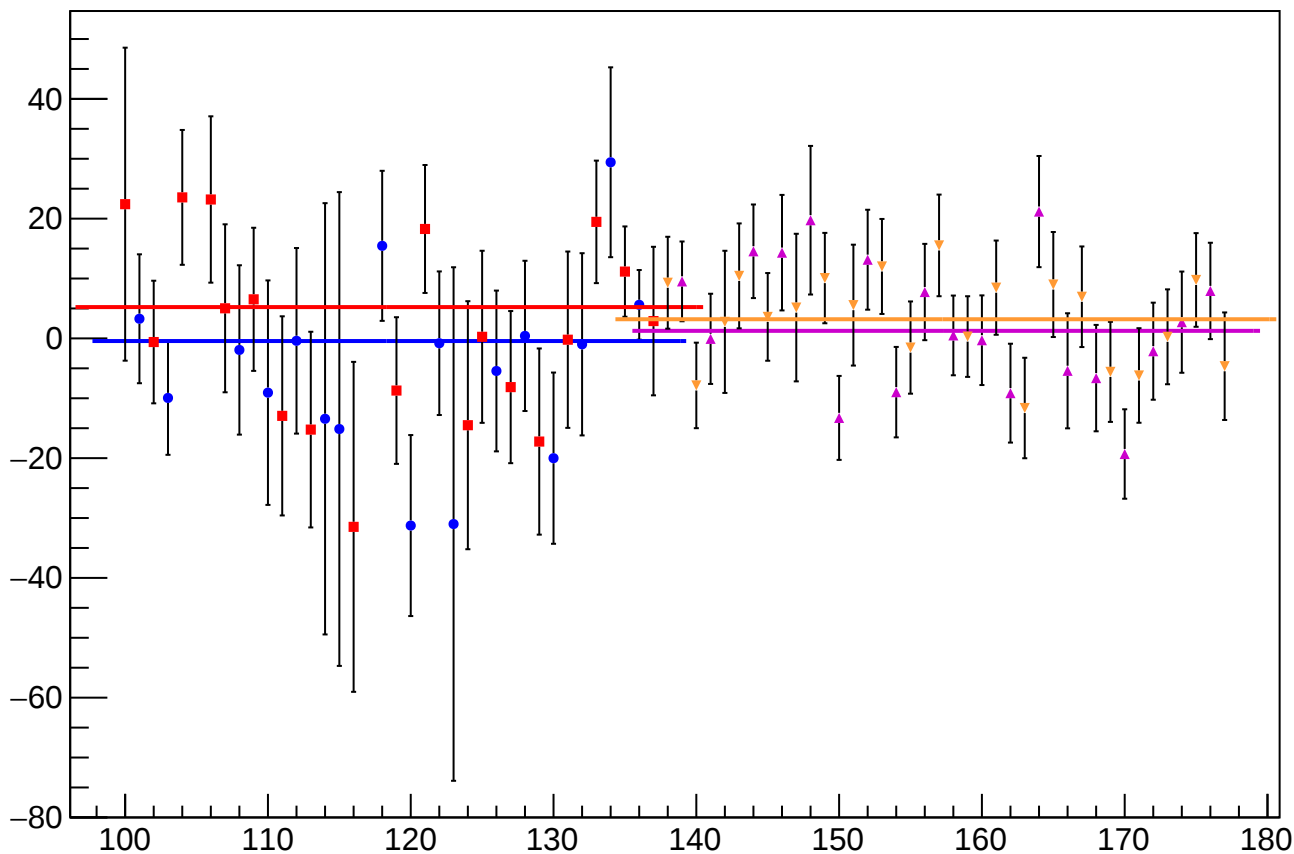
Left In: 9436.068 $\pm$ 1.753 χ^2 /NDF:250415.2/18

+ sign 10092.543 $\pm$ 1.545 χ^2 /NDF: 2123077.8/37

All: 10194.173 $\pm$ 1.114 χ^2 /NDF: 4384216.9/7

- sign 10304.025 $\pm$ 1.607 χ^2 /NDF: 2252140.4/37

diff_bpm4aY_mean vs Slug



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

Left Out: 3.198 ± 1.794 χ^2/NDF : 16.9/20

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

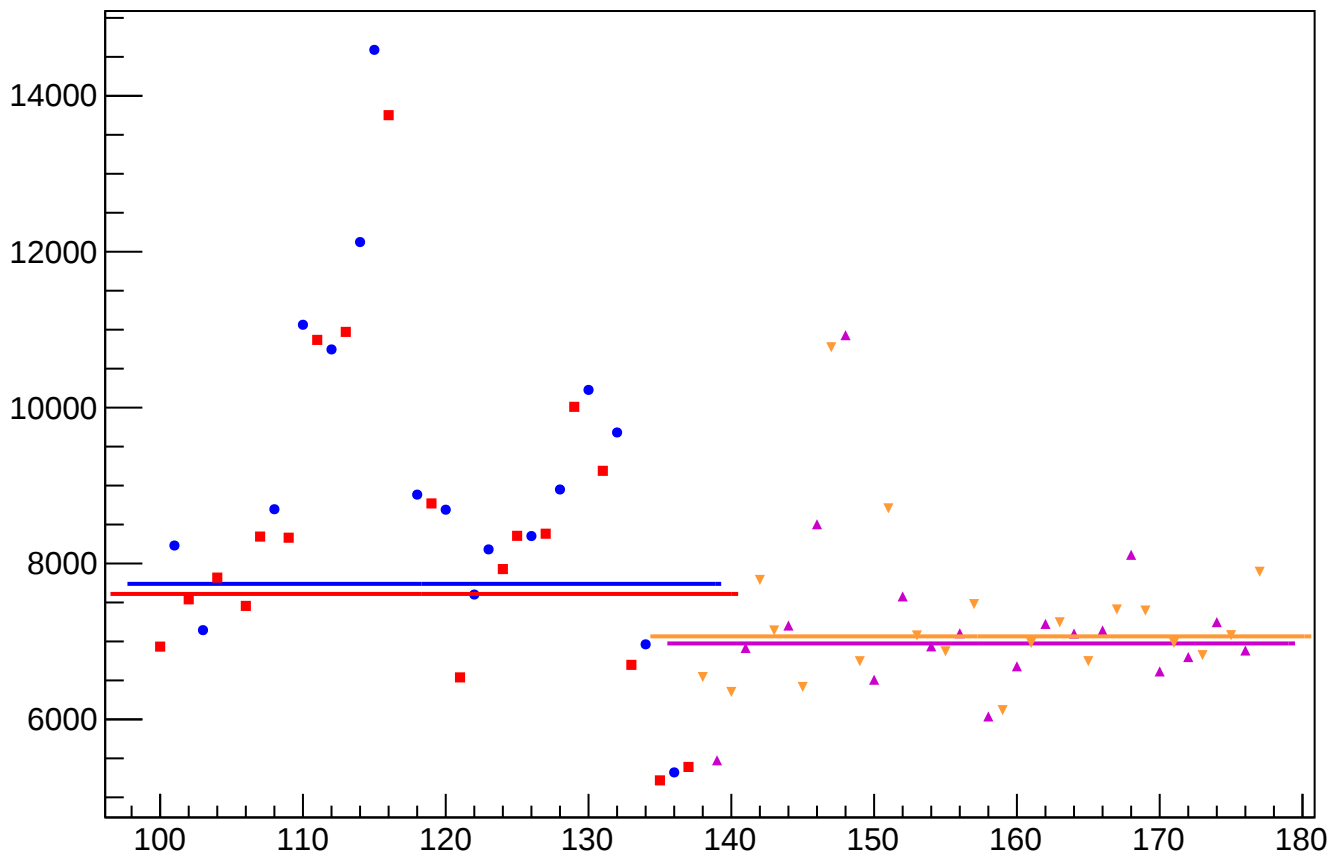
Left In: 1.261 ± 1.844 χ^2/NDF : 33.3/18

+ sign 2.272 ± 1.549 χ^2/NDF : 32.4/37

All: 2.327 ± 1.100 χ^2/NDF : 86.4/75

- sign 2.383 ± 1.561 χ^2/NDF : 54.0/37

diff_bpm4aY_rms vs Slug



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

Left Out: 7065.130 ± 1.269 χ^2/NDF : 365129.7/20

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

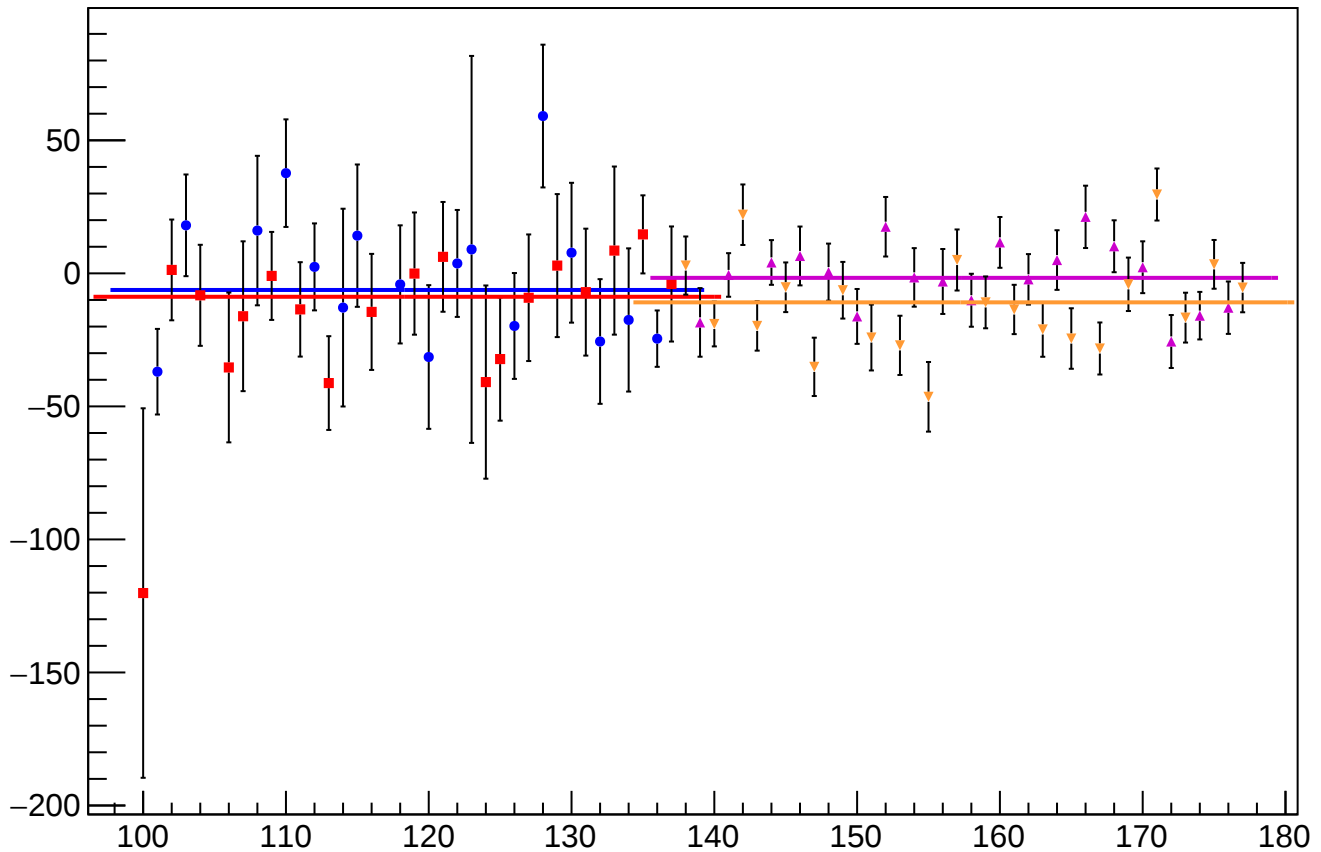
Left In: 6974.420 ± 1.304 χ^2/NDF : 462544.4/18

+ sign 7236.616 ± 1.096 χ^2/NDF : 1177729.1/37

All: 7195.642 ± 0.778 χ^2/NDF : 2389401.5/75

- sign 7154.035 ± 1.104 χ^2/NDF : 1208853.2/37

diff_bpm4eX_mean vs Slug



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

Left Out: -10.899 ± 2.216 χ^2/NDF : 56.2/20

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

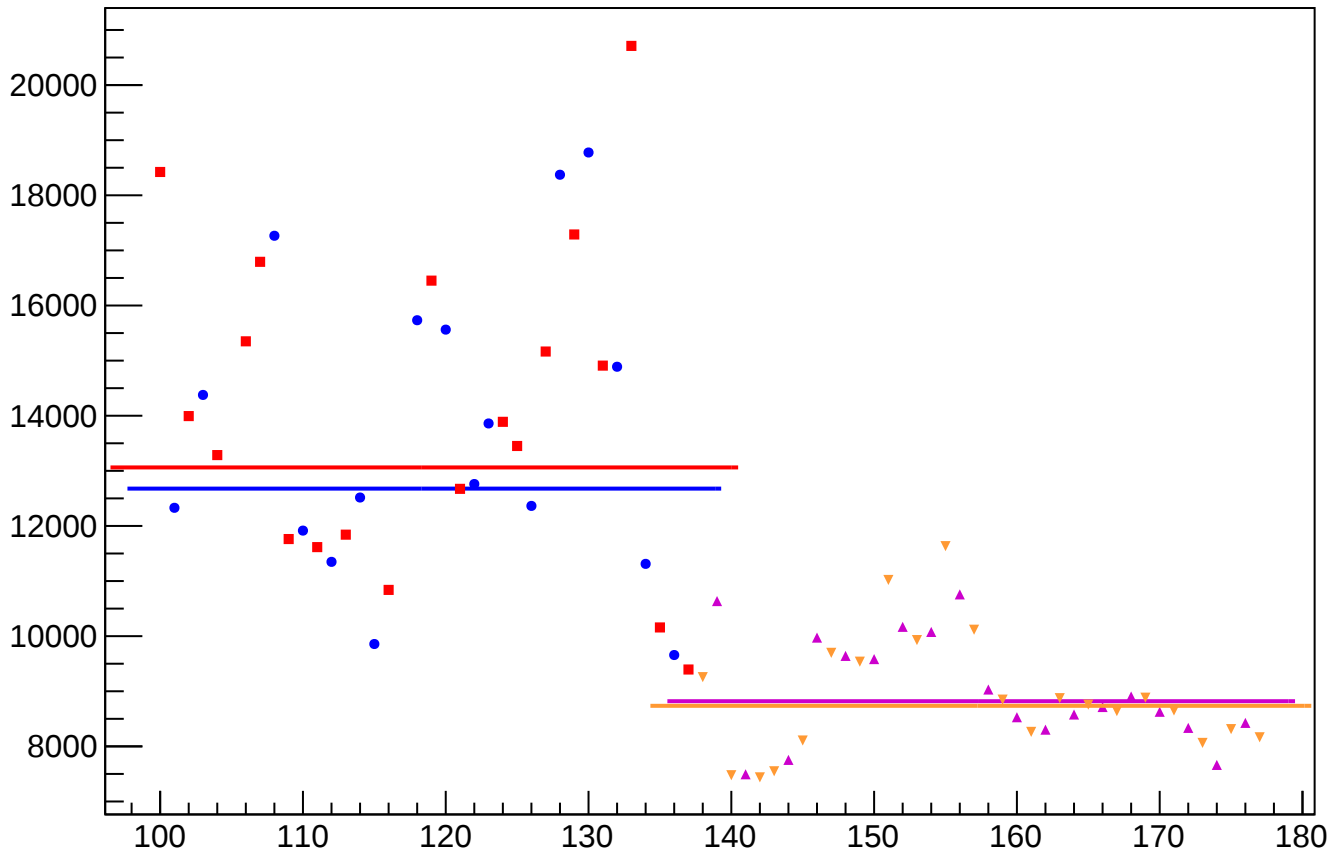
Left In: -1.692 ± 2.321 χ^2/NDF : 25.8/18

+ sign -10.139 ± 2.027 χ^2/NDF : 80.2/37

All: -6.680 ± 1.460 χ^2/NDF : 126.8/75

- sign -2.953 ± 2.105 χ^2/NDF : 40.6/37

diff_bpm4eX_rms vs Slug



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

Left Out: 8735.967+/-1.567 χ^2/NDF : 390594.2/20

+ sign 9379.555+/-1.434 χ^2/NDF : 1976946.3/37

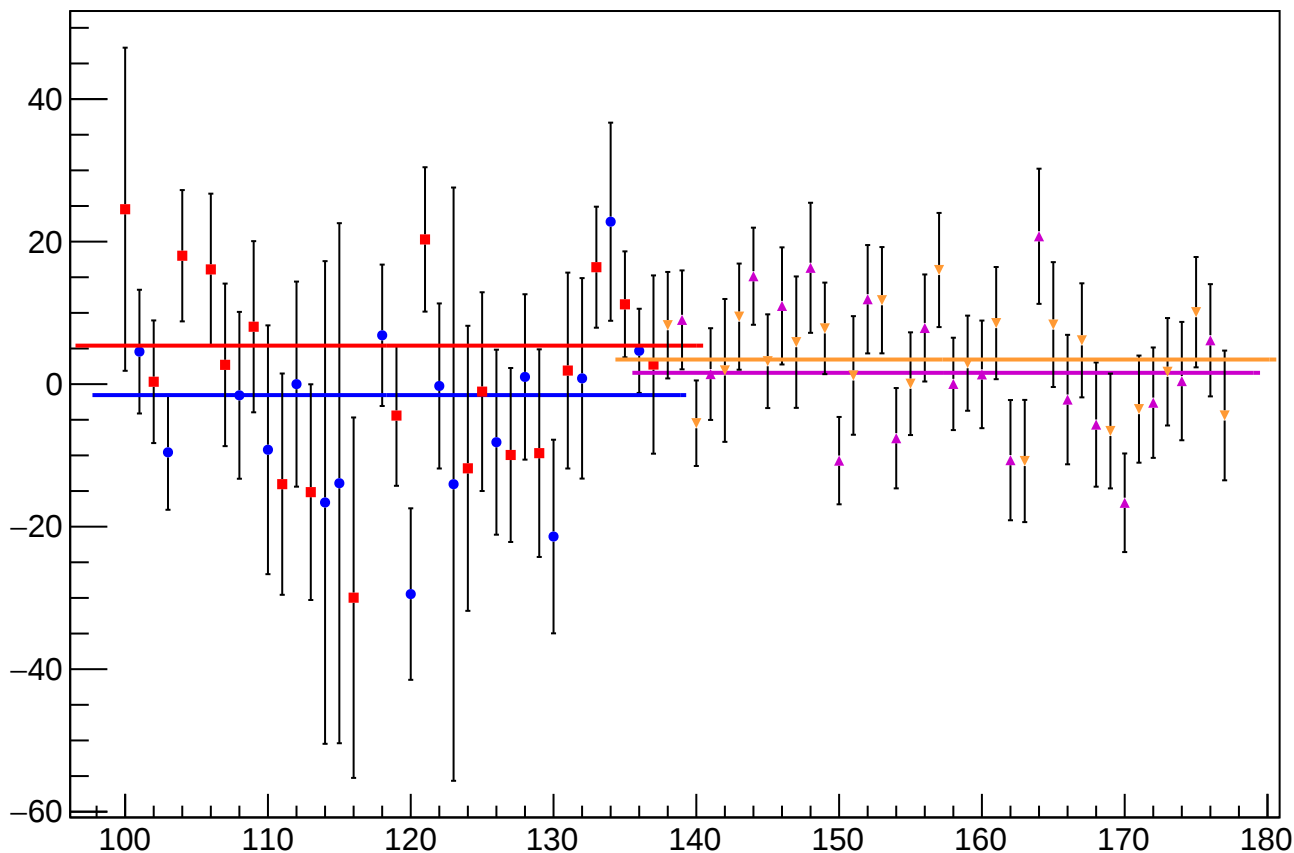
Right Out: 13061.839+/-3.535 χ^2/NDF : 497429.6/18

All: 9472.110+/-1.033 χ^2/NDF : 3994162.3/75

Left In: 8819.886+/-1.641 χ^2/NDF : 326448.1/18

- sign 9571.874+/-1.488 χ^2/NDF : 2008555.1/37

diff_bpm4eY_mean vs Slug



Right In: -1.538 ± 2.790 $\chi^2/\text{NDF}: 14.8/16$

Left Out: 3.455 ± 1.666 $\chi^2/\text{NDF}: 15.4/20$

Right Out: 5.405 ± 2.640 $\chi^2/\text{NDF}: 18.6/18$

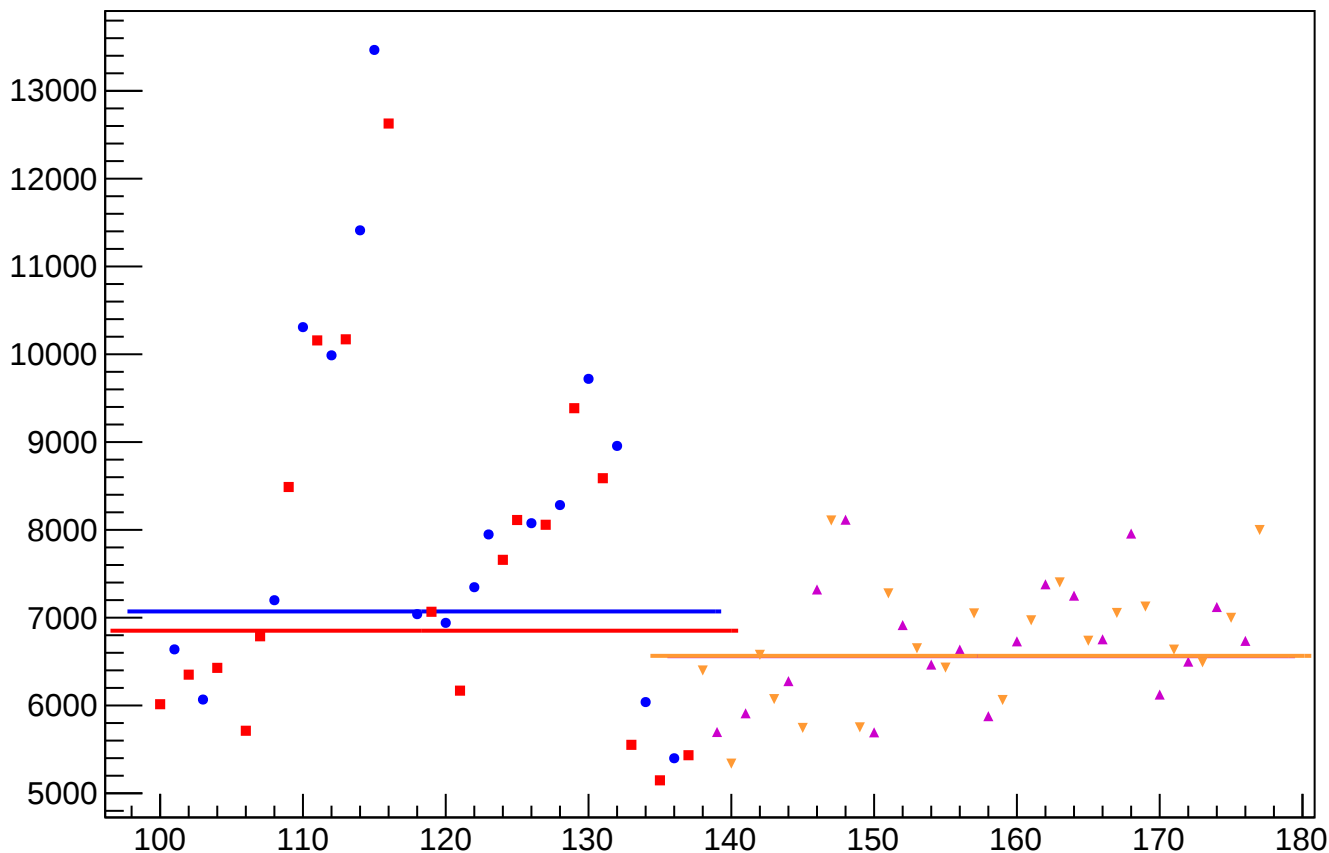
Left In: 1.589 ± 1.728 $\chi^2/\text{NDF}: 32.0/18$

+ sign 2.143 ± 1.430 $\chi^2/\text{NDF}: 32.6/37$

All: 2.435 ± 1.017 $\chi^2/\text{NDF}: 84.7/75$

- sign 2.733 ± 1.446 $\chi^2/\text{NDF}: 52.1/37$

diff_bpm4eY_rms vs Slug



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

Left Out: 6565.233 ± 1.178 χ^2/NDF : 345302.0/20

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

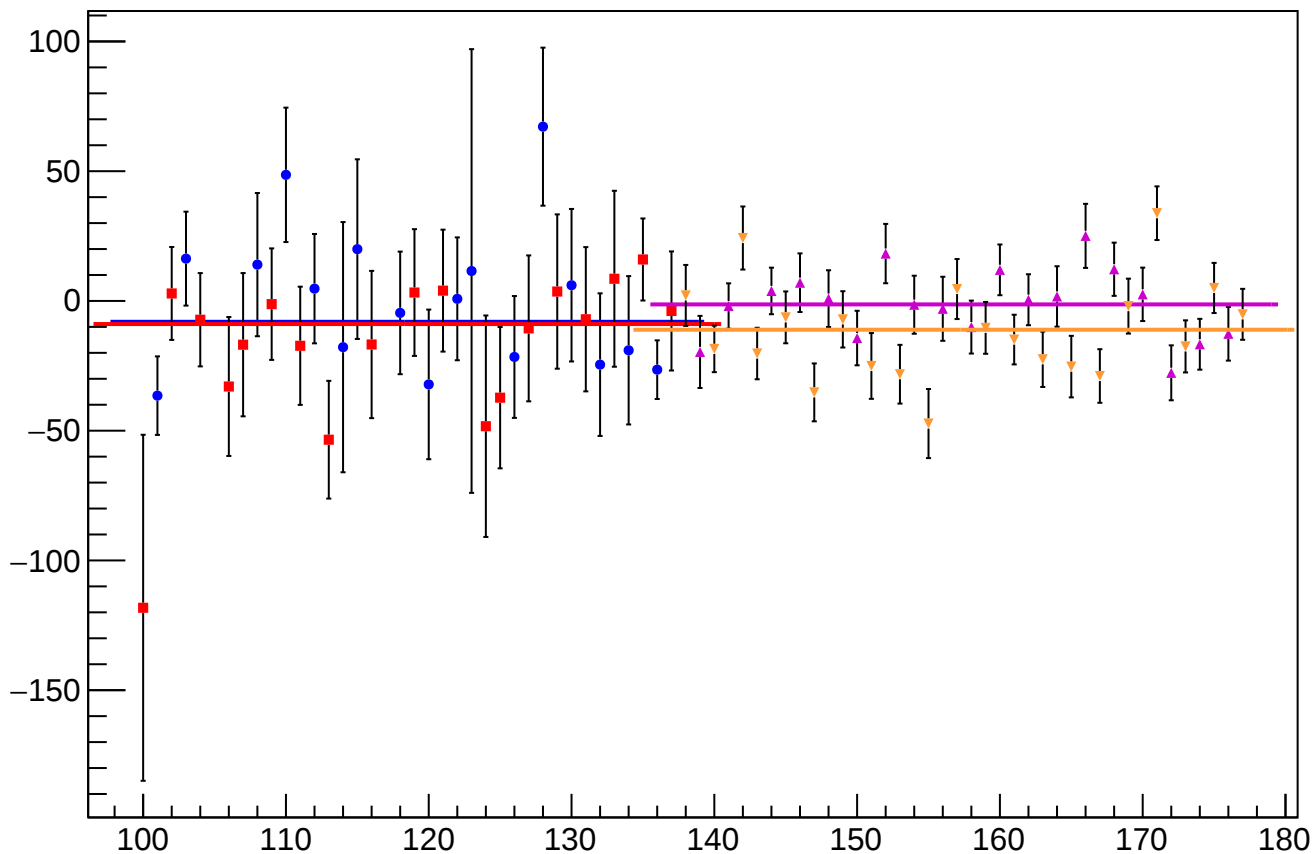
Left In: 6561.431 ± 1.222 χ^2/NDF : 298005.7/18

+ sign 6698.156 ± 1.011 χ^2/NDF : 994497.5/37

All: 6673.565 ± 0.719 χ^2/NDF : 1995017.4/75

- sign 6648.453 ± 1.022 χ^2/NDF : 999325.3/37

diff_bpm4acX_mean vs Slug



Right In: -8.036 $\pm$ 5.497 χ^2/NDF : 22.6/16

Left Out: -11.094 $\pm$ 2.320 χ^2/NDF : 57.9/20

Right Out: -8.907 $\pm$ 5.566 χ^2/NDF : 13.7/18

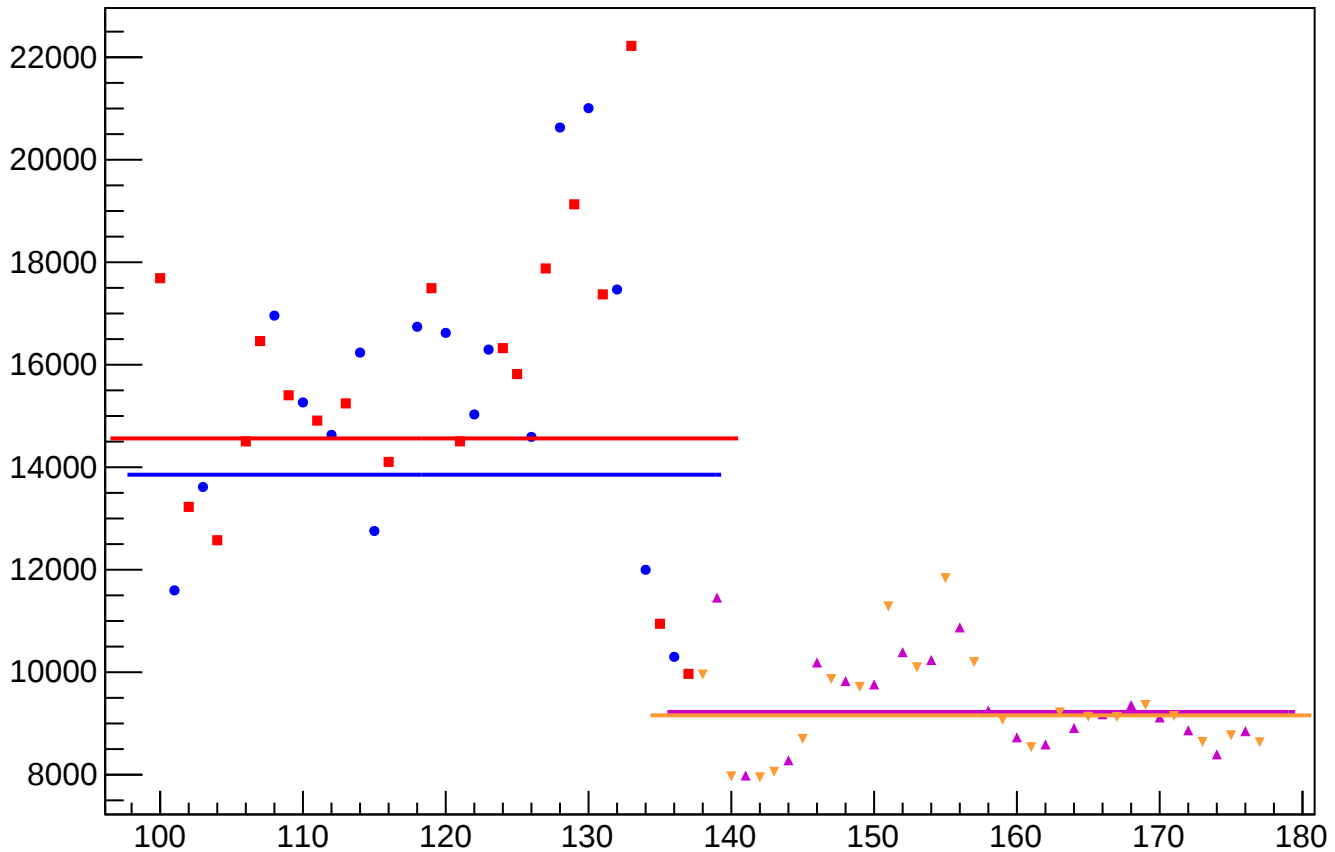
Left In: -1.334 $\pm$ 2.424 χ^2/NDF : 26.2/18

+ sign -10.632 $\pm$ 2.137 χ^2/NDF : 80.7/37

All: -6.744 $\pm$ 1.540 χ^2/NDF : 129.0/75

- sign -2.541 $\pm$ 2.222 χ^2/NDF : 41.4/37

diff_bpm4acX_rms vs Slug



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

Left Out: 9158.643+/-1.640 χ^2/NDF : 297137.7/20

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

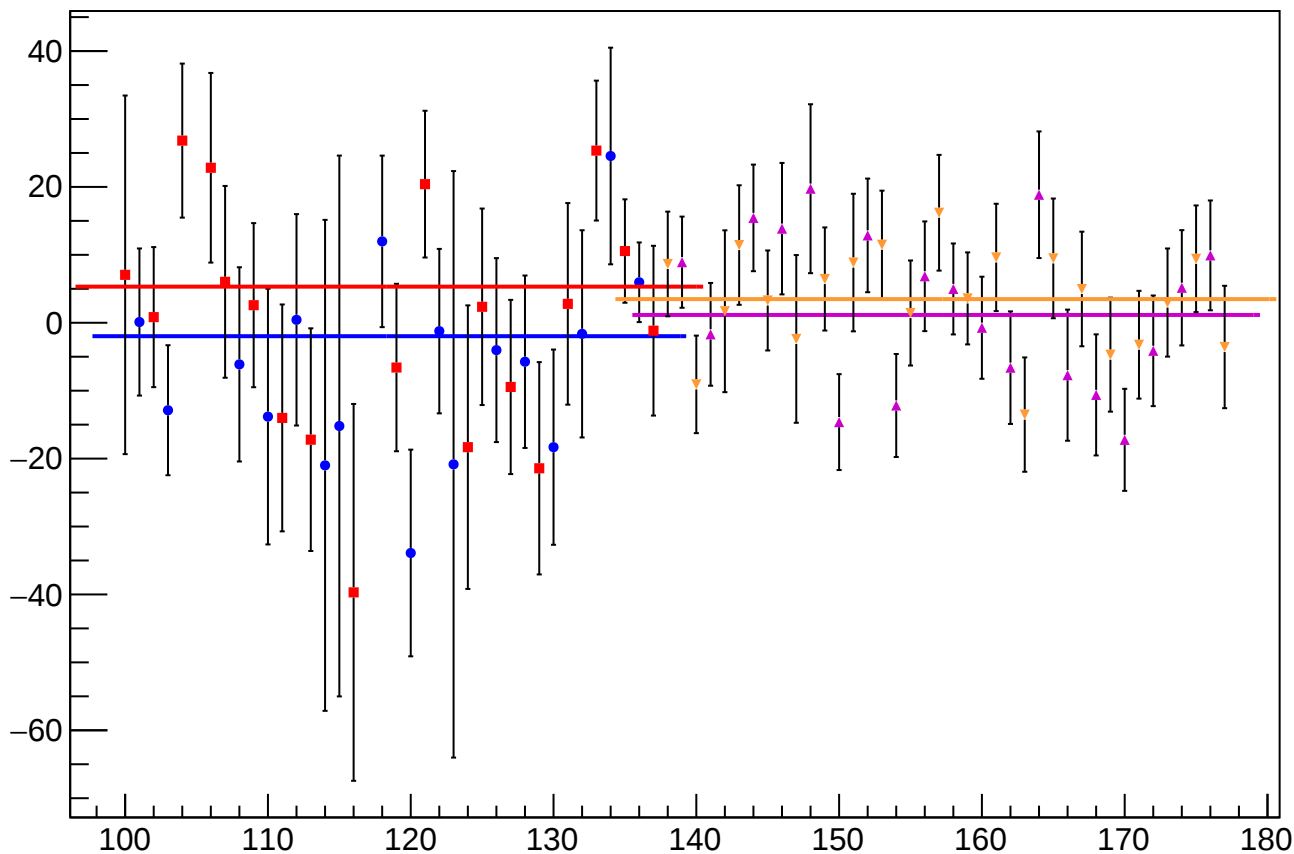
Left In: 9224.225+/-1.714 χ^2/NDF : 247672.8/18

+ sign 9868.425+/-1.511 χ^2/NDF : 2136653.6/37

All: 9967.718+/-1.089 χ^2/NDF : 4413852.5/75

- sign 10075.051+/-1.571 χ^2/NDF : 2268216.7/37

diff_bpm4acY_mean vs Slug



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

Left Out: 3.483 ± 1.802 χ^2/NDF : 16.4/20

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

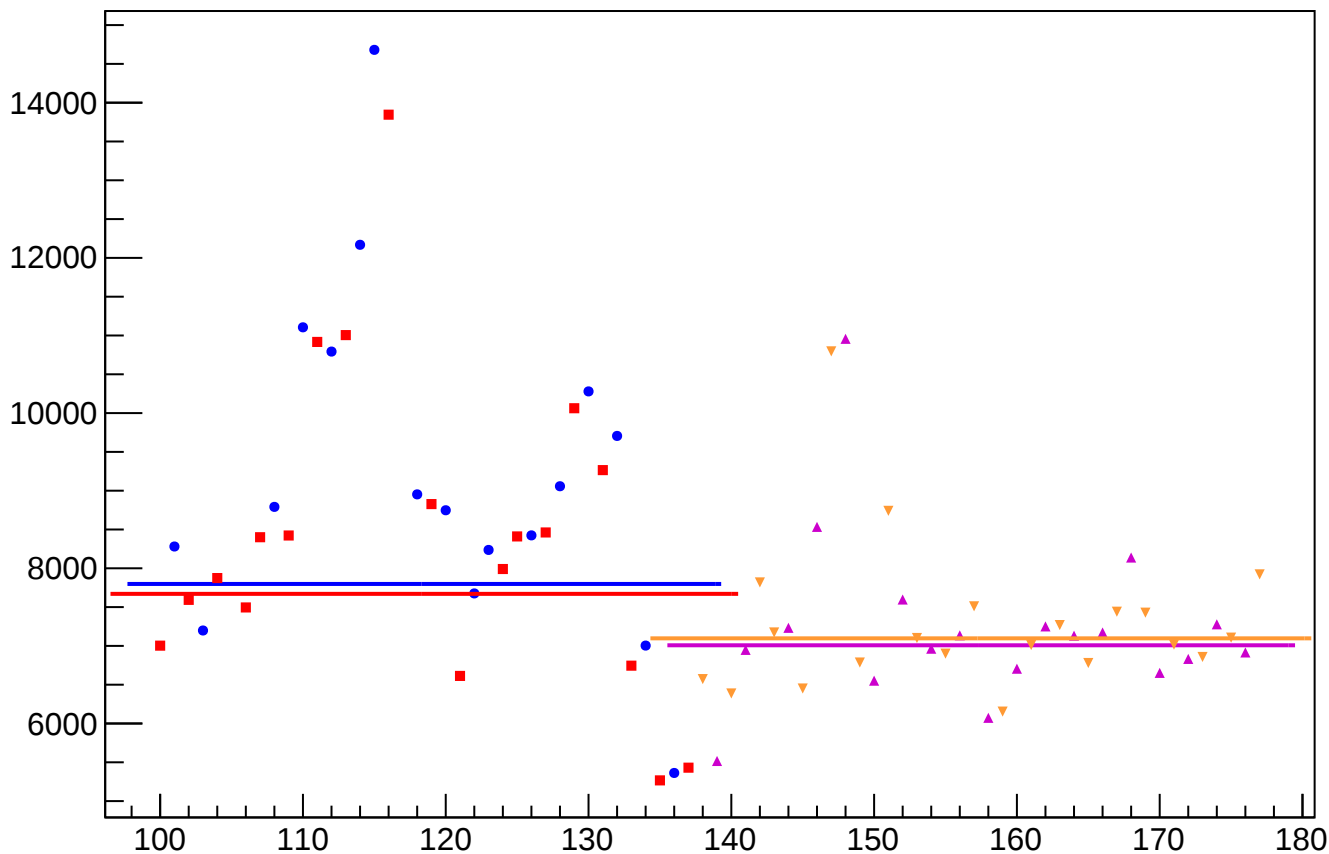
Left In: 1.150 ± 1.852 χ^2/NDF : 34.6/18

+ sign 2.100 ± 1.557 χ^2/NDF : 32.7/37

All: 2.211 ± 1.106 χ^2/NDF : 93.0/75

- sign 2.324 ± 1.570 χ^2/NDF : 60.3/37

diff_bpm4acY_rms vs Slug



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

Left Out: 7097.304+/-1.274 χ^2/NDF : 360880.5/20

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

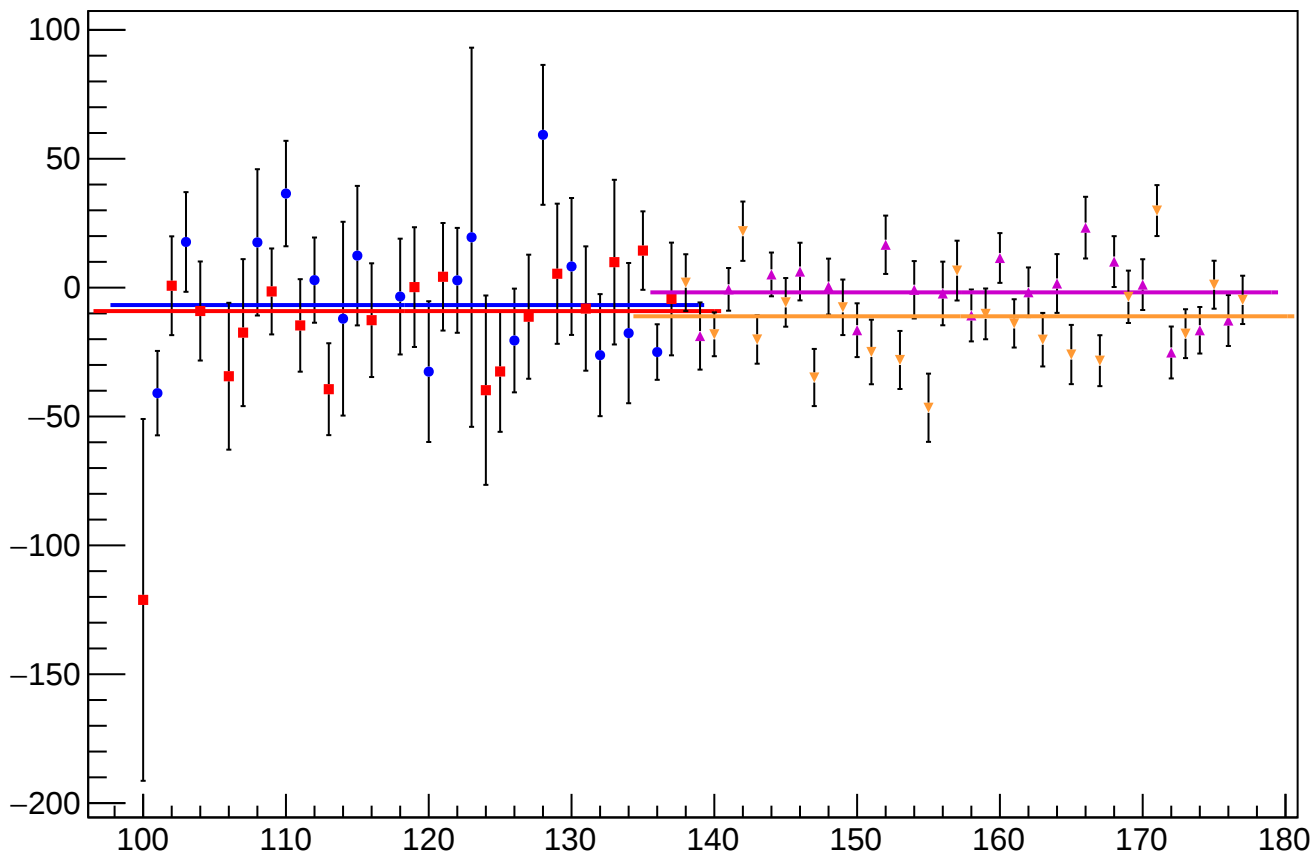
Left In: 7007.912+/-1.310 χ^2/NDF : 455468.7/18

+ sign 7274.906+/-1.101 χ^2/NDF : 1173811.7/37

All: 7235.019+/-0.782 χ^2/NDF : 2376706.8/75

- sign 7194.491+/-1.110 χ^2/NDF : 1200250.1/37

diff_bpm4ecX_mean vs Slug



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

Left Out: -11.117 ± 2.241 χ^2/NDF : 55.3/20

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

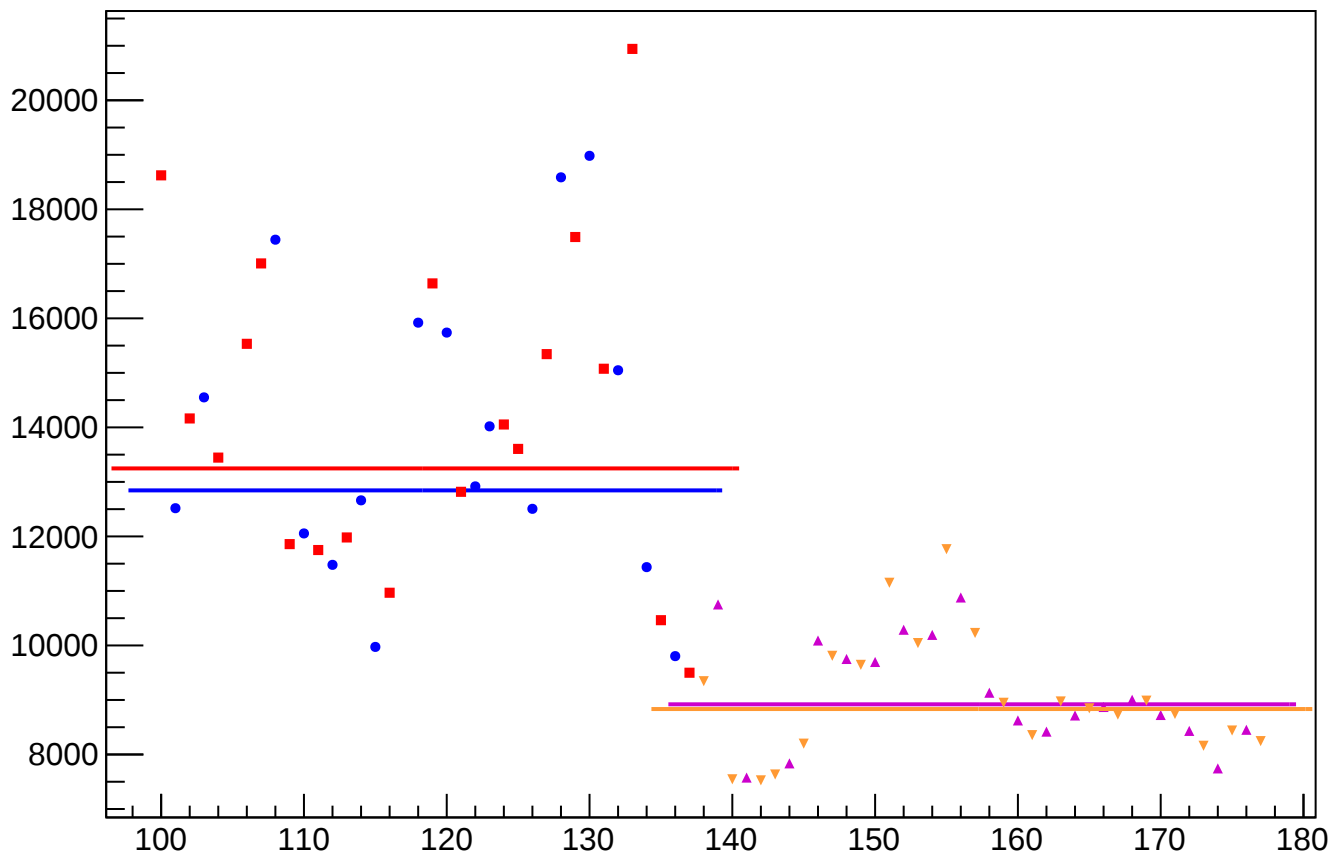
Left In: -1.834 ± 2.348 χ^2/NDF : 25.6/18

+ sign -10.408 ± 2.051 χ^2/NDF : 79.6/37

All: -6.901 ± 1.477 χ^2/NDF : 125.2/75

- sign -3.117 ± 2.130 χ^2/NDF : 39.5/37

diff_bpm4ecX_rms vs Slug



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

Left Out: 8833.672+/-1.585 χ^2/NDF : 391475.0/20

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

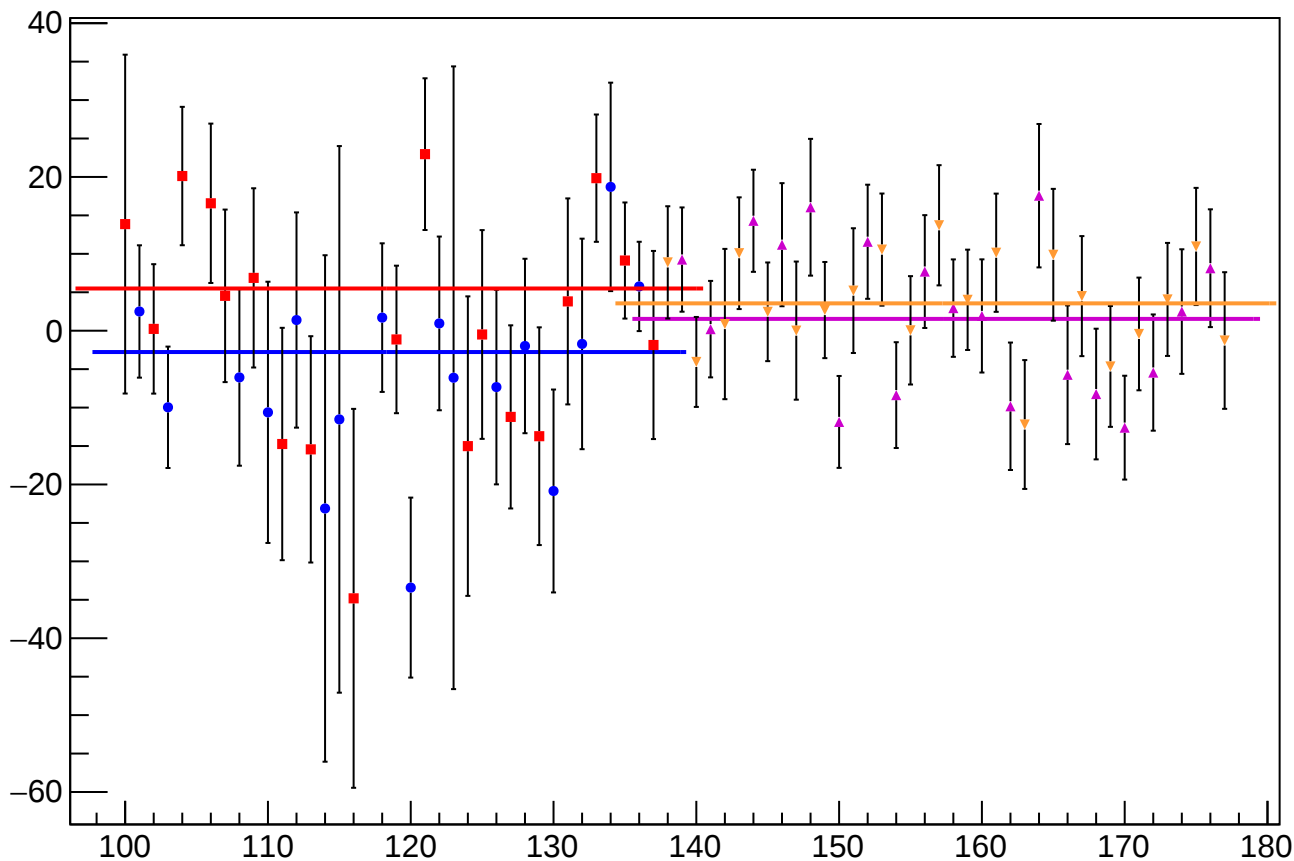
Left In: 8920.222+/-1.660 χ^2/NDF : 328049.1/18

+ sign 9486.167+/-1.450 χ^2/NDF : 1980619.8/37

All: 9581.345+/-1.045 χ^2/NDF : 4002509.6/75

- sign 9684.037+/-1.506 χ^2/NDF : 2012935.0/37

diff_bpm4ecY_mean vs Slug



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

Left Out: 3.557 ± 1.627 χ^2/NDF : 13.7/20

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

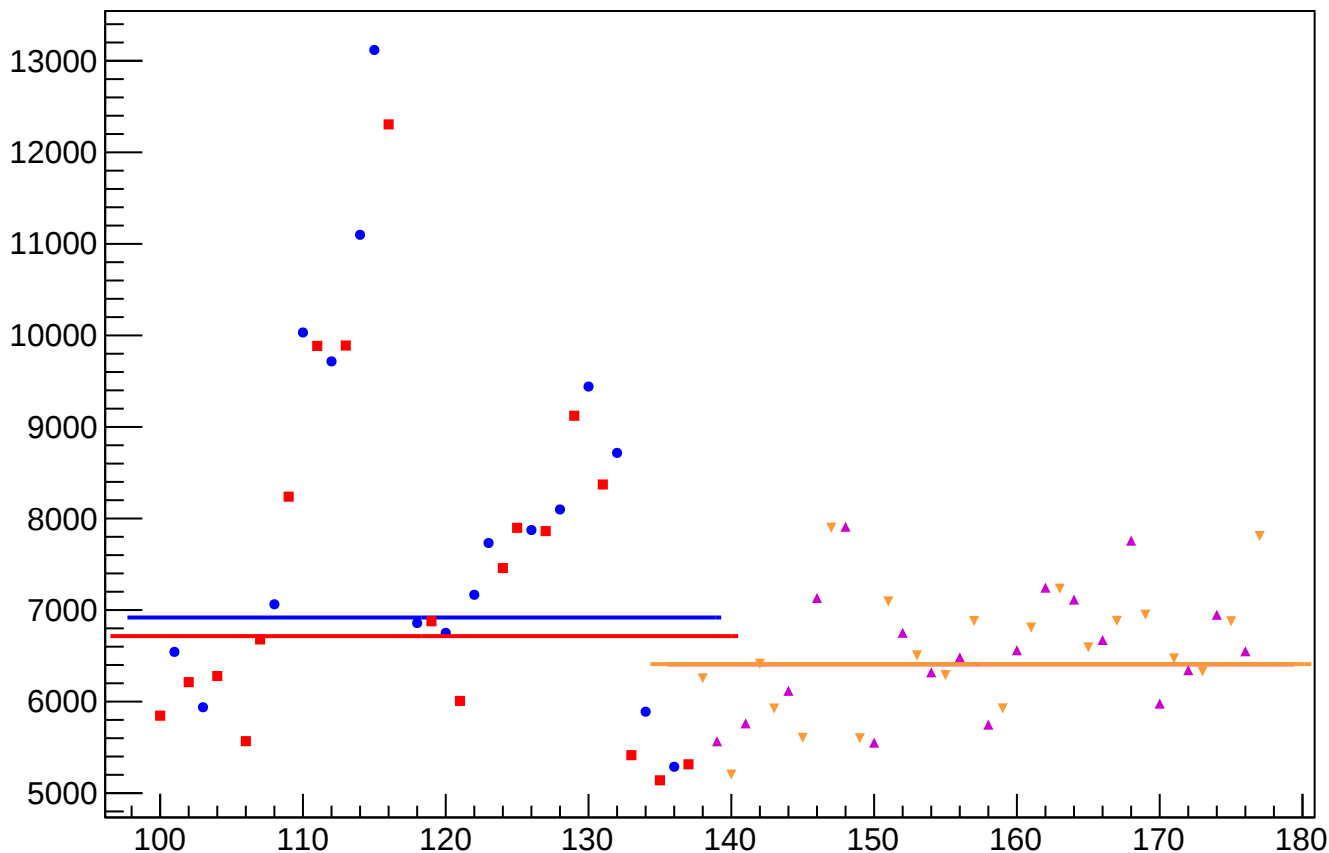
Left In: 1.537 ± 1.688 χ^2/NDF : 31.6/18

+ sign 1.900 ± 1.398 χ^2/NDF : 33.5/37

All: 2.304 ± 0.994 χ^2/NDF : 90.1/75

- sign 2.717 ± 1.413 χ^2/NDF : 56.4/37

diff_bpm4ecY_rms vs Slug



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

Left Out: 6409.183 ± 1.150 χ^2/NDF : 348087.4/20

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

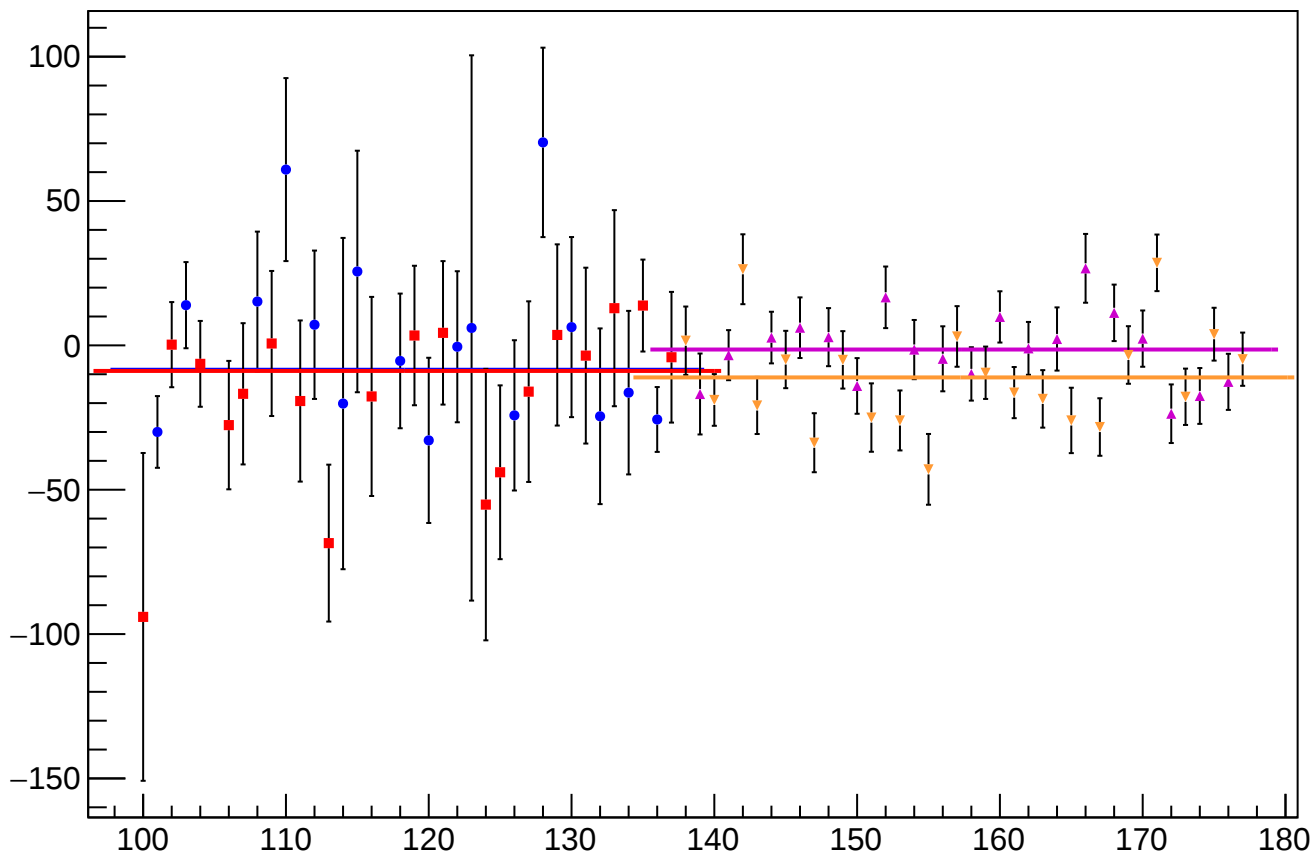
Left In: 6406.833 ± 1.193 χ^2/NDF : 299507.8/18

+ sign 6542.495 ± 0.988 χ^2/NDF : 986449.8/37

All: 6520.896 ± 0.703 χ^2/NDF : 1962841.0/75

- sign 6498.803 ± 0.999 χ^2/NDF : 975424.9/37

diff_bpm1X_mean vs Slug



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

Left Out: -11.100 ± 2.202 χ^2/NDF : 56.4/20

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

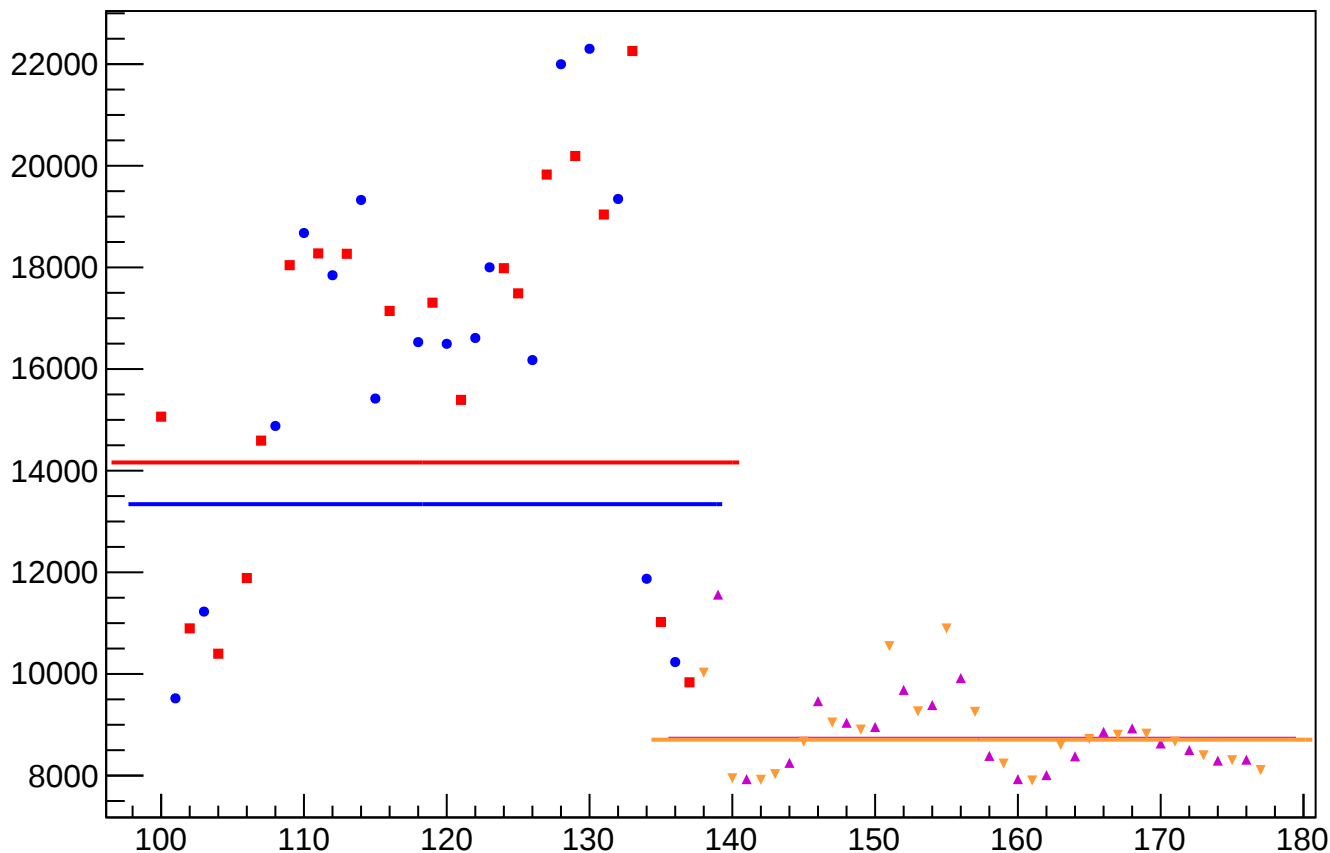
Left In: -1.439 ± 2.291 χ^2/NDF : 25.7/18

+ sign -10.721 ± 2.039 χ^2/NDF : 78.6/37

All: -6.777 ± 1.468 χ^2/NDF : 127.9/75

- sign -2.532 ± 2.116 χ^2/NDF : 41.5/37

diff_bpm1X_rms vs Slug



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

Left Out: 8706.744+/-1.557 χ^2/NDF : 220199.9/20

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

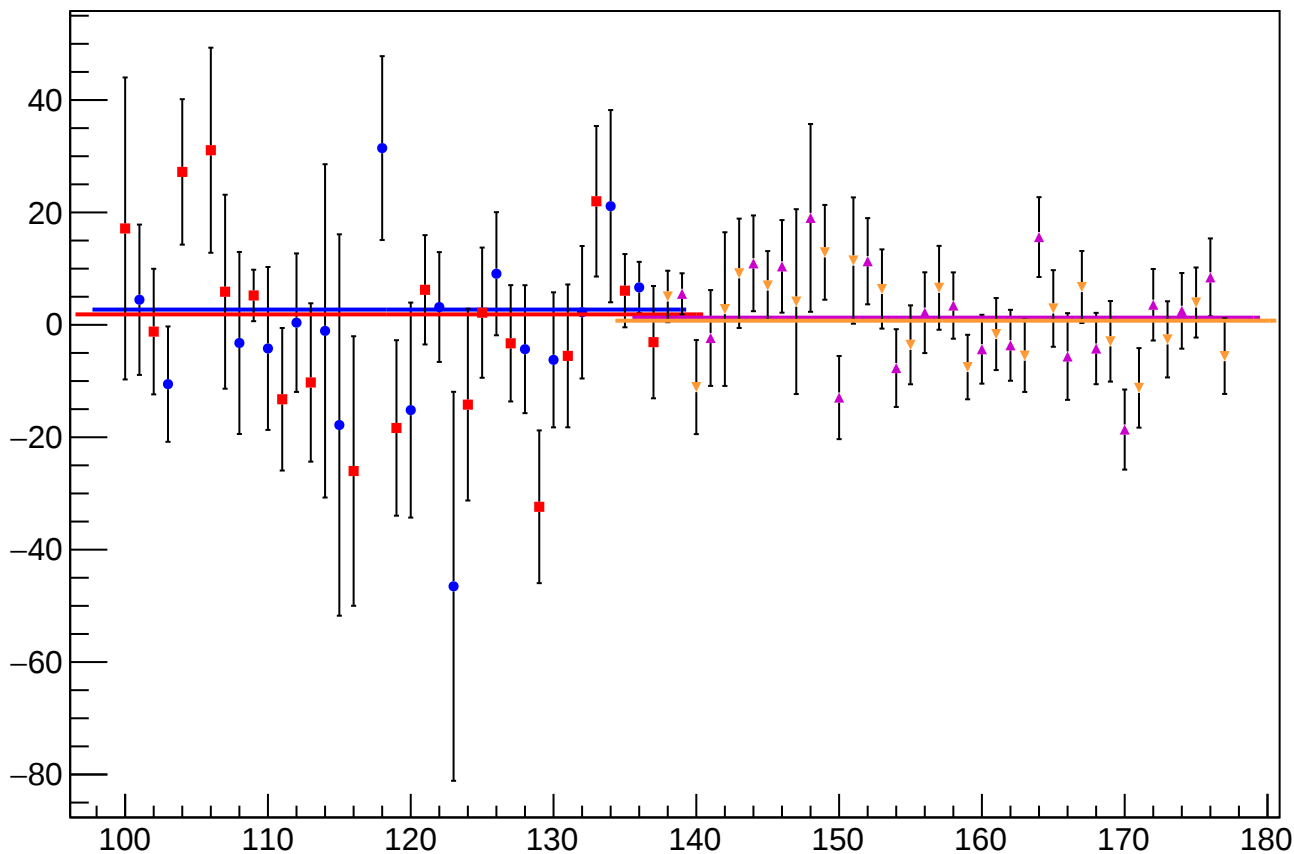
Left In: 8725.225+/-1.620 χ^2/NDF : 207173.6/18

+ sign 9369.193+/-1.442 χ^2/NDF : 2530494.1/37

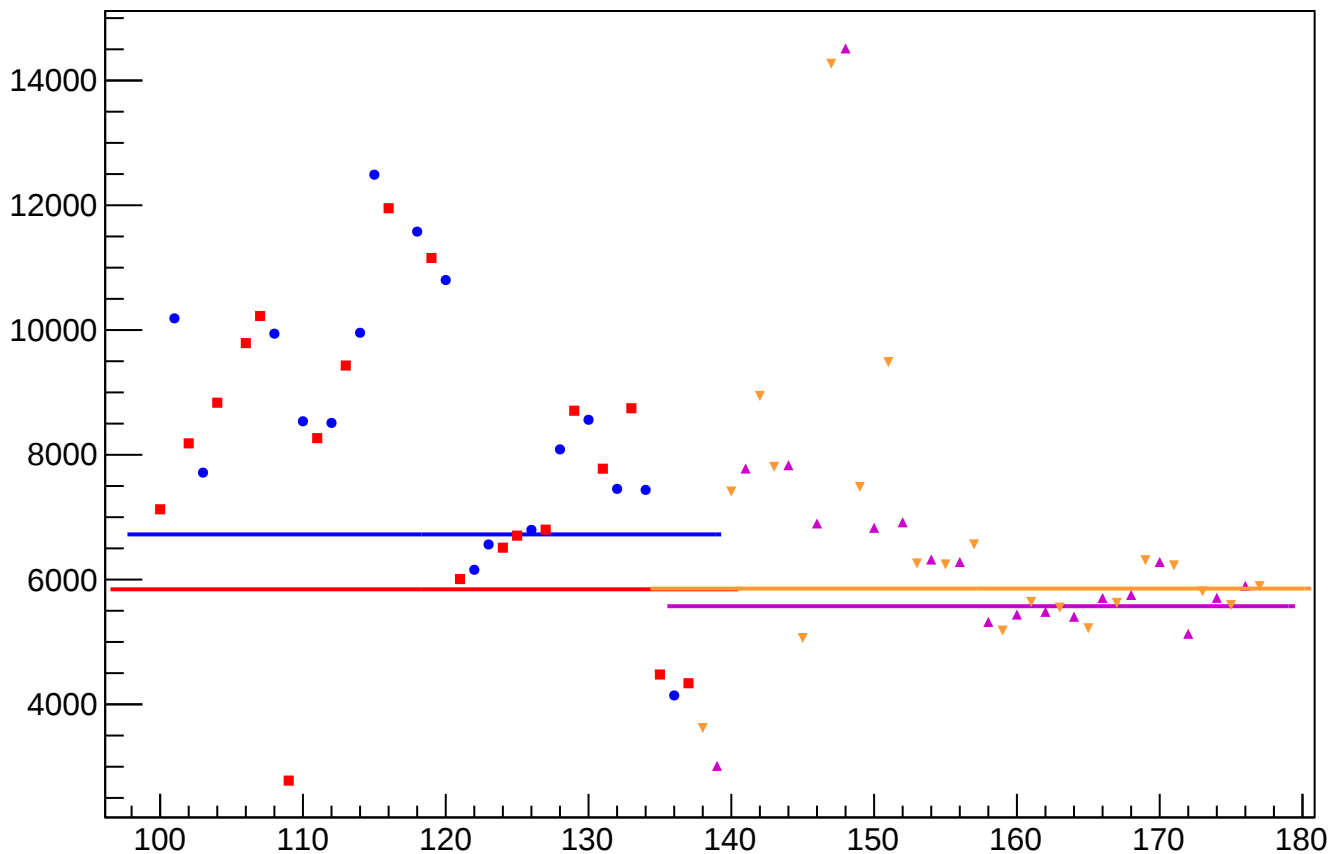
All: 9445.249+/-1.038 χ^2/NDF : 5336095.9/75

- sign 9527.124+/-1.496 χ^2/NDF : 2799823.3/37

diff_bpm1Y_mean vs Slug



diff_bpm1Y_rms vs Slug



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

Left Out: 5855.631+/-1.088 χ^2/NDF : 1670891.1/20

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

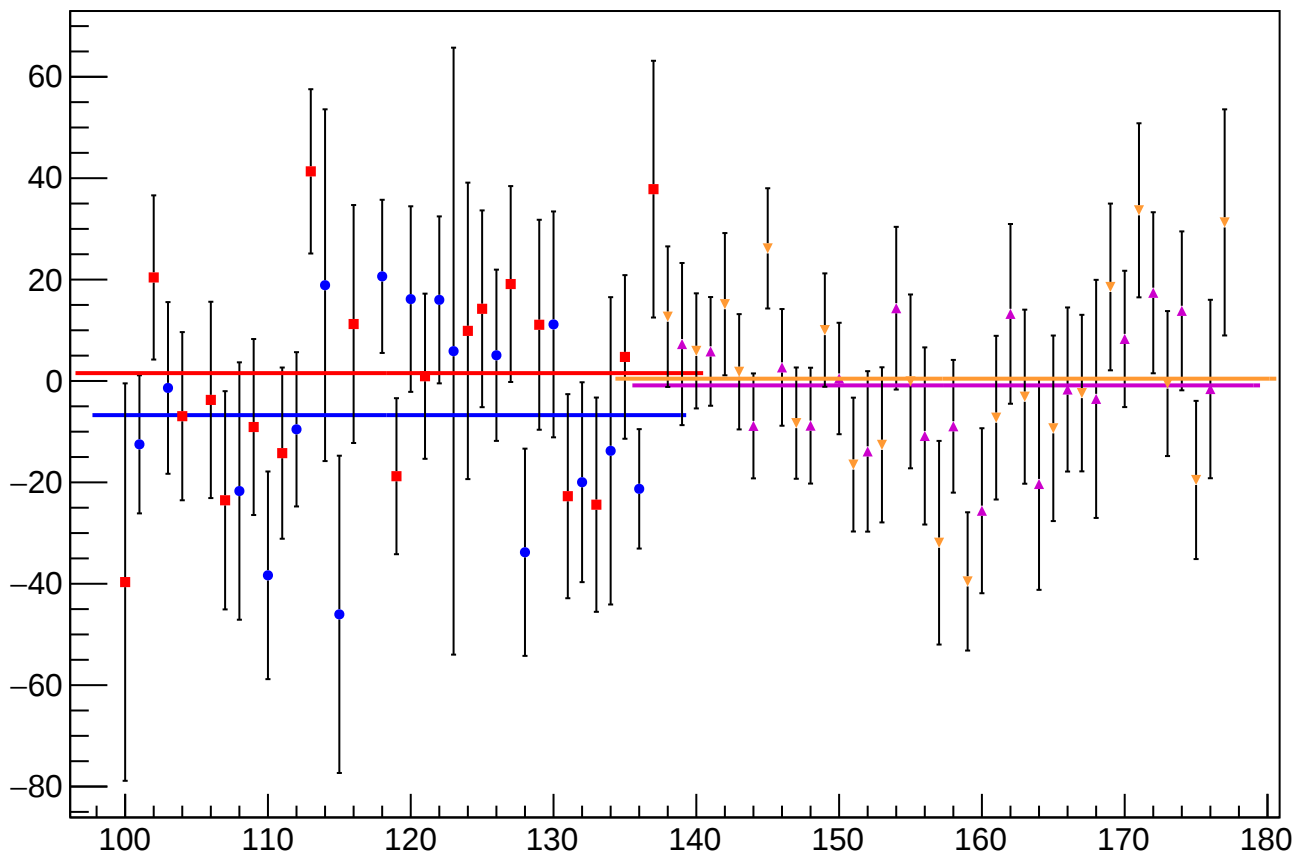
Left In: 5573.022+/-1.084 χ^2/NDF : 2084862.6/18

+ sign 6062.477+/-0.950 χ^2/NDF : 3214604.5/37

All: 5849.027+/-0.660 χ^2/NDF : 7692018.0/75

- sign 5649.726+/-0.918 χ^2/NDF : 4379760.5/37

diff_bpm11X_mean vs Slug



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

Left Out: 0.453 ± 3.116 χ^2/NDF : 30.9/20

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

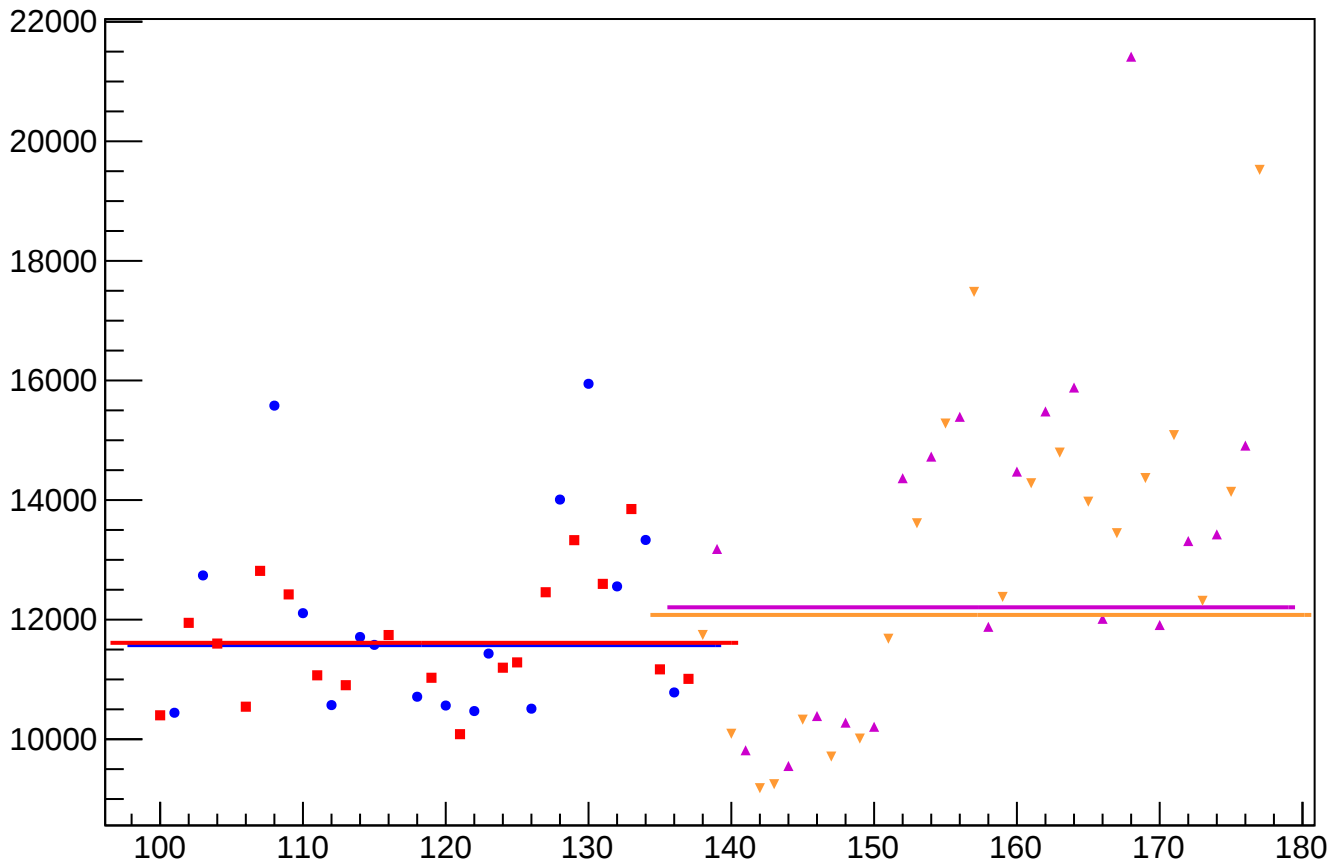
Left In: -0.871 ± 3.260 χ^2/NDF : 10.6/18

+ sign -1.868 ± 2.564 χ^2/NDF : 49.5/37

All: -0.955 ± 1.830 χ^2/NDF : 80.5/75

- sign -0.006 ± 2.614 χ^2/NDF : 30.8/37

diff_bpm11X_rms vs Slug



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

Left Out: 12078.868 ± 2.204 χ^2/NDF : 1196758.1/20

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

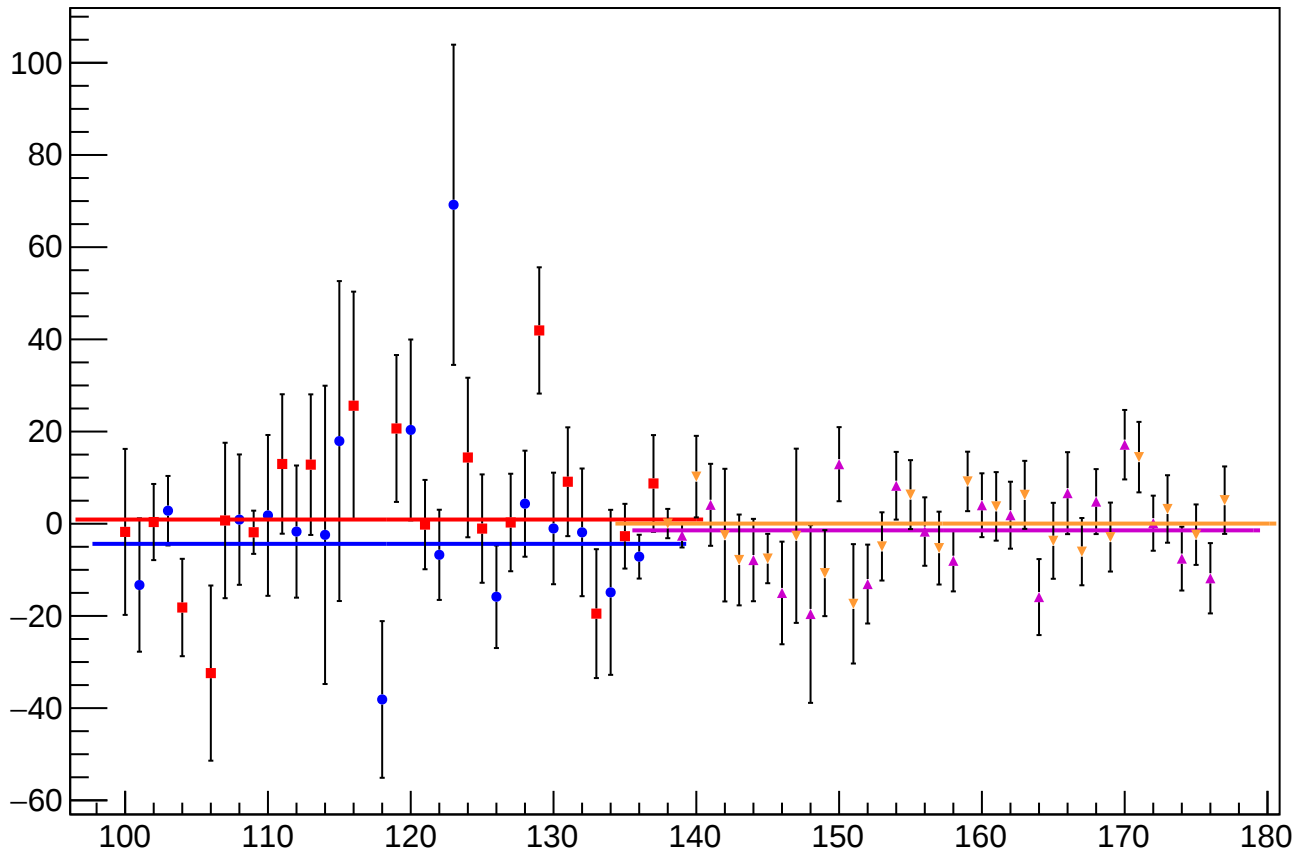
Left In: 12206.416 ± 2.305 χ^2/NDF : 1112769.7/18

+ sign 11915.680 ± 1.813 χ^2/NDF : 1452475.3/37

All: 11954.154 ± 1.294 χ^2/NDF : 2684210.4/7

- sign 11994.115 ± 1.848 χ^2/NDF : 1230817.3/37

diff_bpm11Y_mean vs Slug



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

Left Out: 0.035 ± 1.536 χ^2/NDF : 17.2/20

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

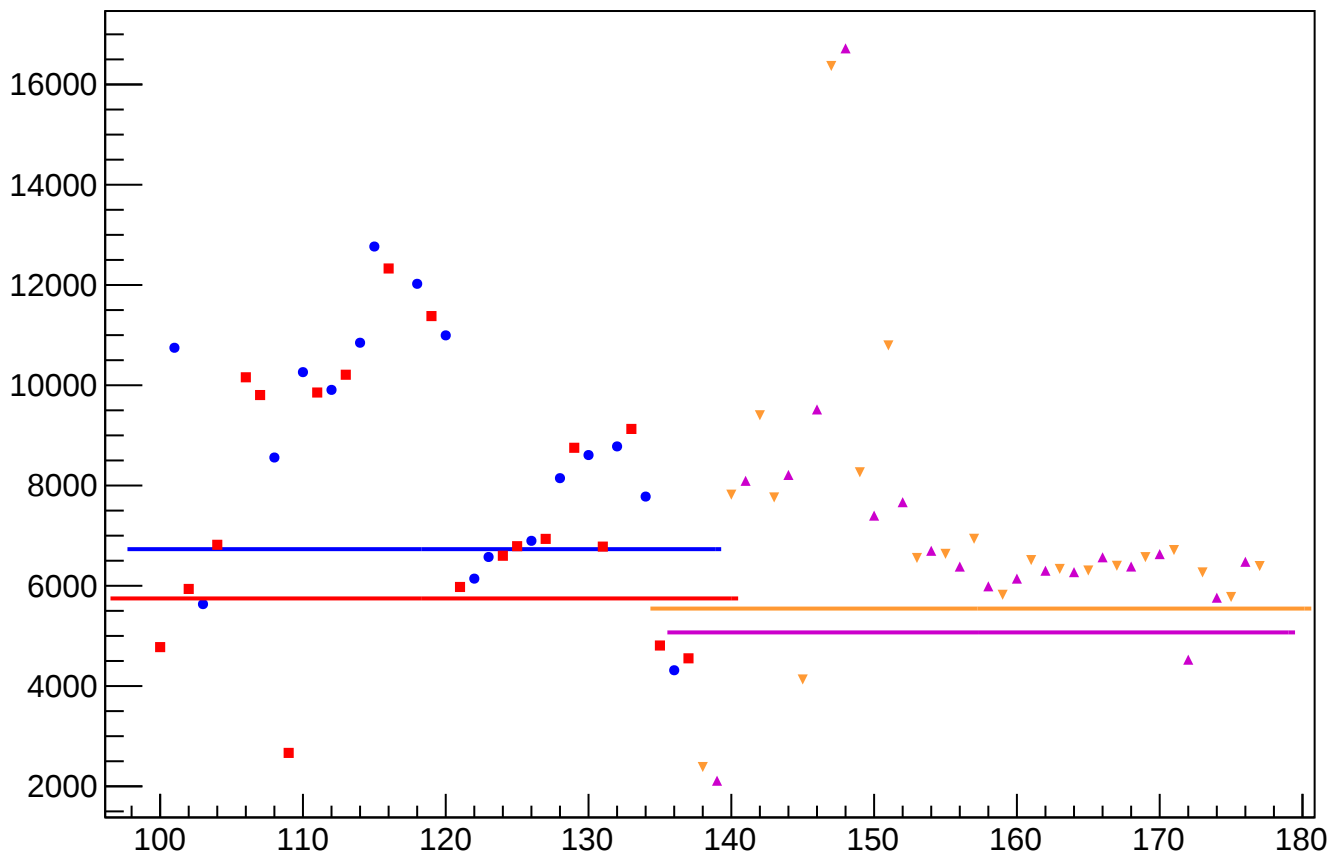
Left In: -1.437 ± 1.494 χ^2/NDF : 25.6/18

+ sign -0.996 ± 1.344 χ^2/NDF : 33.6/37

All: -0.887 ± 0.924 χ^2/NDF : 83.4/75

- sign -0.790 ± 1.272 χ^2/NDF : 49.8/37

diff_bpm11Y_rms vs Slug



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

Left Out: 5545.535 $\pm$ 1.086 χ^2 /NDF: 4029366.1/20

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

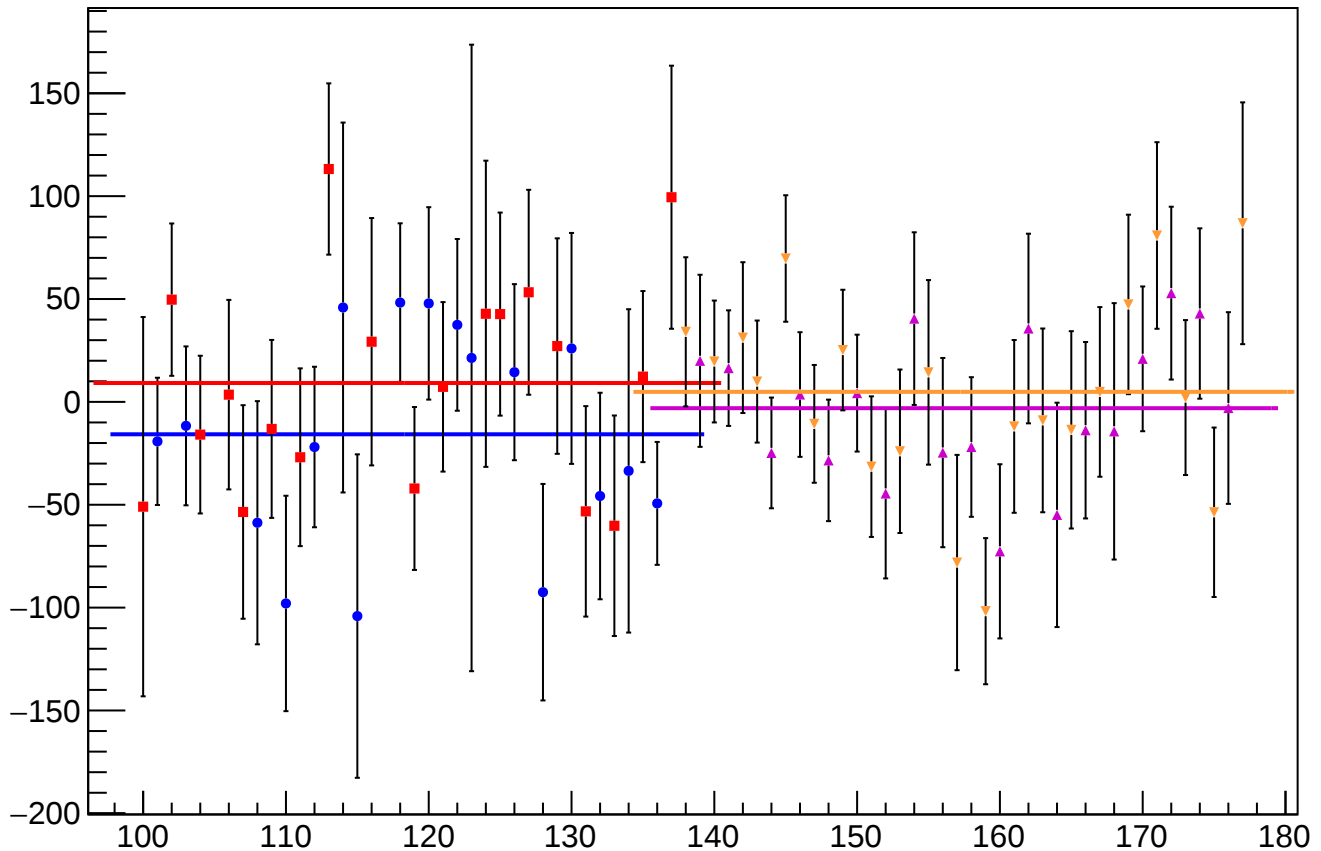
Left In: 5069.941 $\pm$ 1.057 χ^2 /NDF: 5213190.3/18

+ sign 5823.324 $\pm$ 0.950 χ^2 /NDF: 5753664.2/37

All: 5524.296 $\pm$ 0.653 χ^2 /NDF: 13429930.2/7

- sign 5256.336 $\pm$ 0.900 χ^2 /NDF: 7488565.3/37

diff_bpm12X_mean vs Slug



Right In: -15.751 ± 11.207 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 4.881 ± 8.150 $\chi^2/\text{NDF}: 28.0/20$

Right Out: 9.179 ± 10.889 $\chi^2/\text{NDF}: 19.3/18$

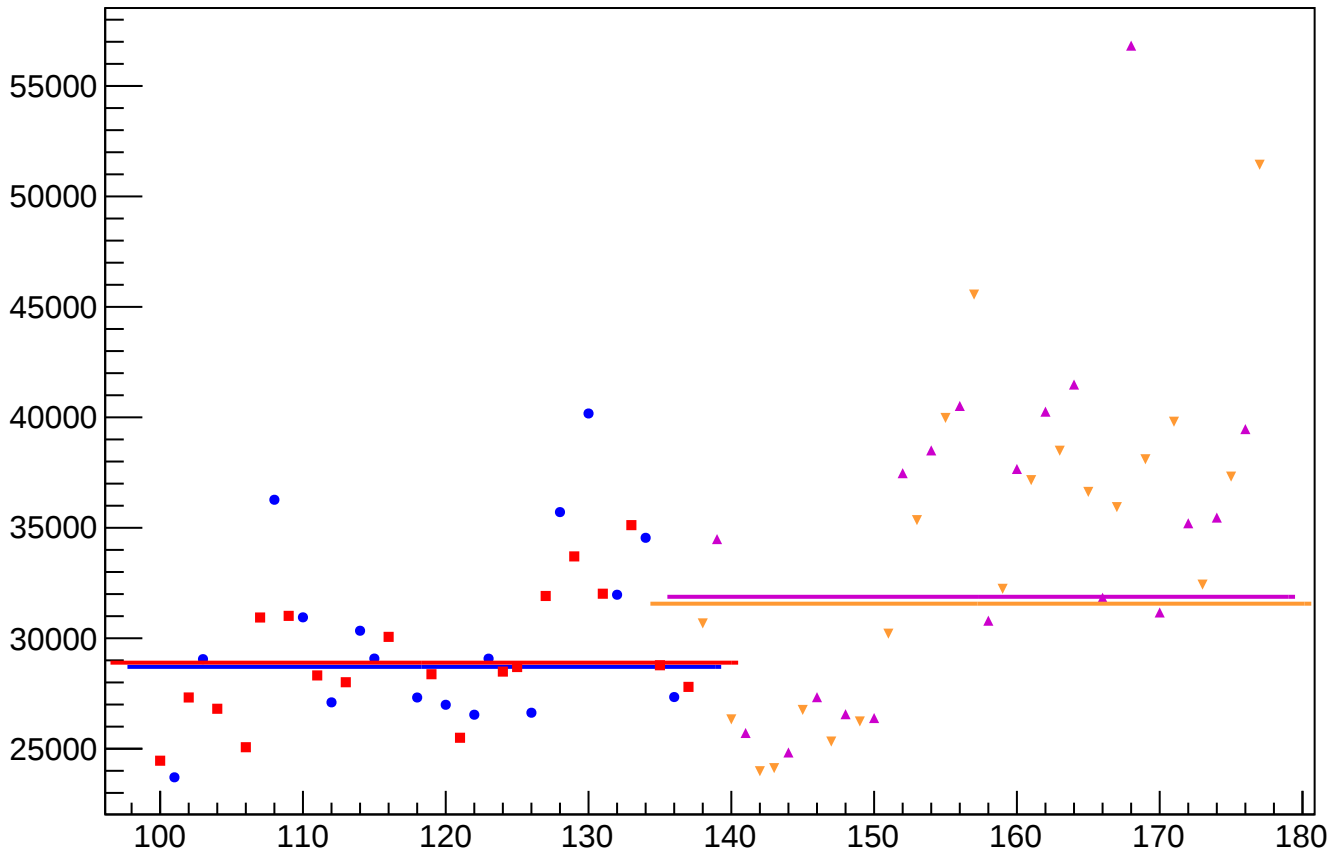
Left In: -3.064 ± 8.520 $\chi^2/\text{NDF}: 12.8/18$

+ sign -2.255 ± 6.591 $\chi^2/\text{NDF}: 46.2/37$

All: -0.369 ± 4.702 $\chi^2/\text{NDF}: 79.2/75$

- sign 1.585 ± 6.710 $\chi^2/\text{NDF}: 32.8/37$

diff_bpm12X_rms vs Slug



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

Left Out: 31565.092 $\pm$ 5.763 χ^2 /NDF:1228535.9/20

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

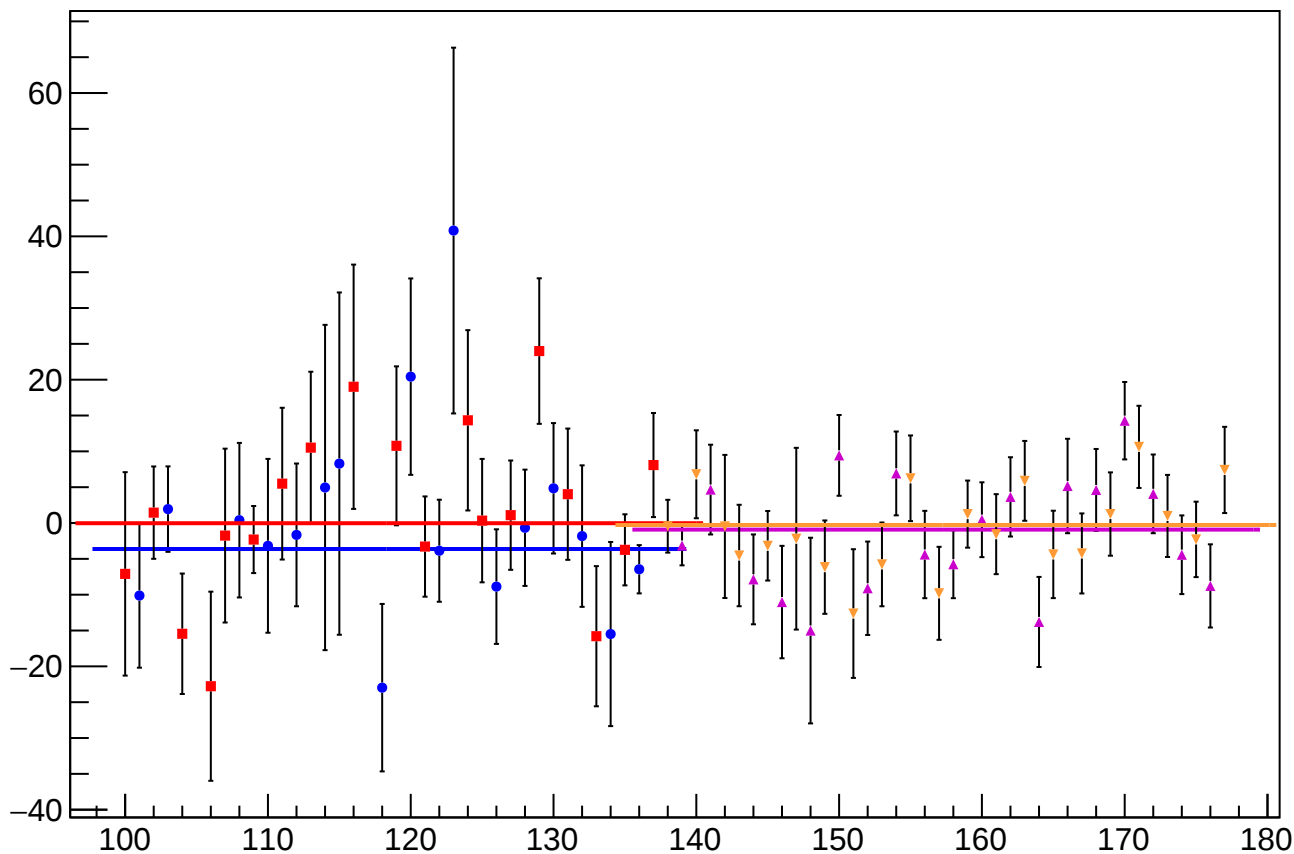
Left In: 31877.632 $\pm$ 6.024 χ^2 /NDF:1152442.6/18

+ sign 30576.049 $\pm$ 4.661 χ^2 /NDF: 1564693.4/37

All: 30659.147 $\pm$ 3.325 χ^2 /NDF: 2922036.4/7

- sign 30745.268 $\pm$ 4.745 χ^2 /NDF: 1356695.7/37

diff_bpm12Y_mean vs Slug



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

Left Out: -0.274 ± 1.271 χ^2/NDF : 16.9/20

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

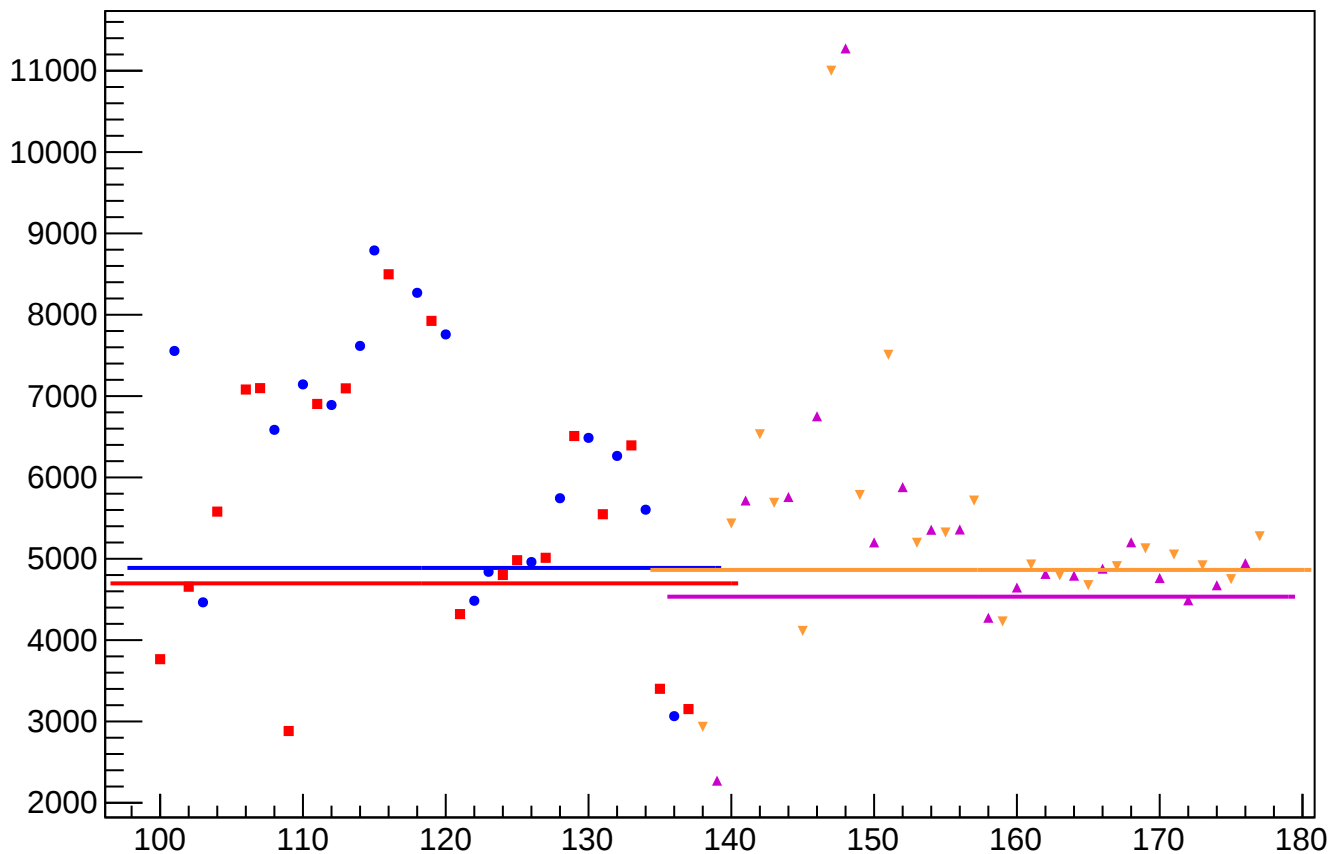
Left In: -0.921 ± 1.251 χ^2/NDF : 31.4/18

+ sign -1.234 ± 1.074 χ^2/NDF : 32.6/37

All: -0.933 ± 0.748 χ^2/NDF : 86.4/75

- sign -0.649 ± 1.043 χ^2/NDF : 53.6/37

diff_bpm12Y_rms vs Slug



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

Left Out: 4863.142+/-0.899 χ^2/NDF : 1487367.9/20

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

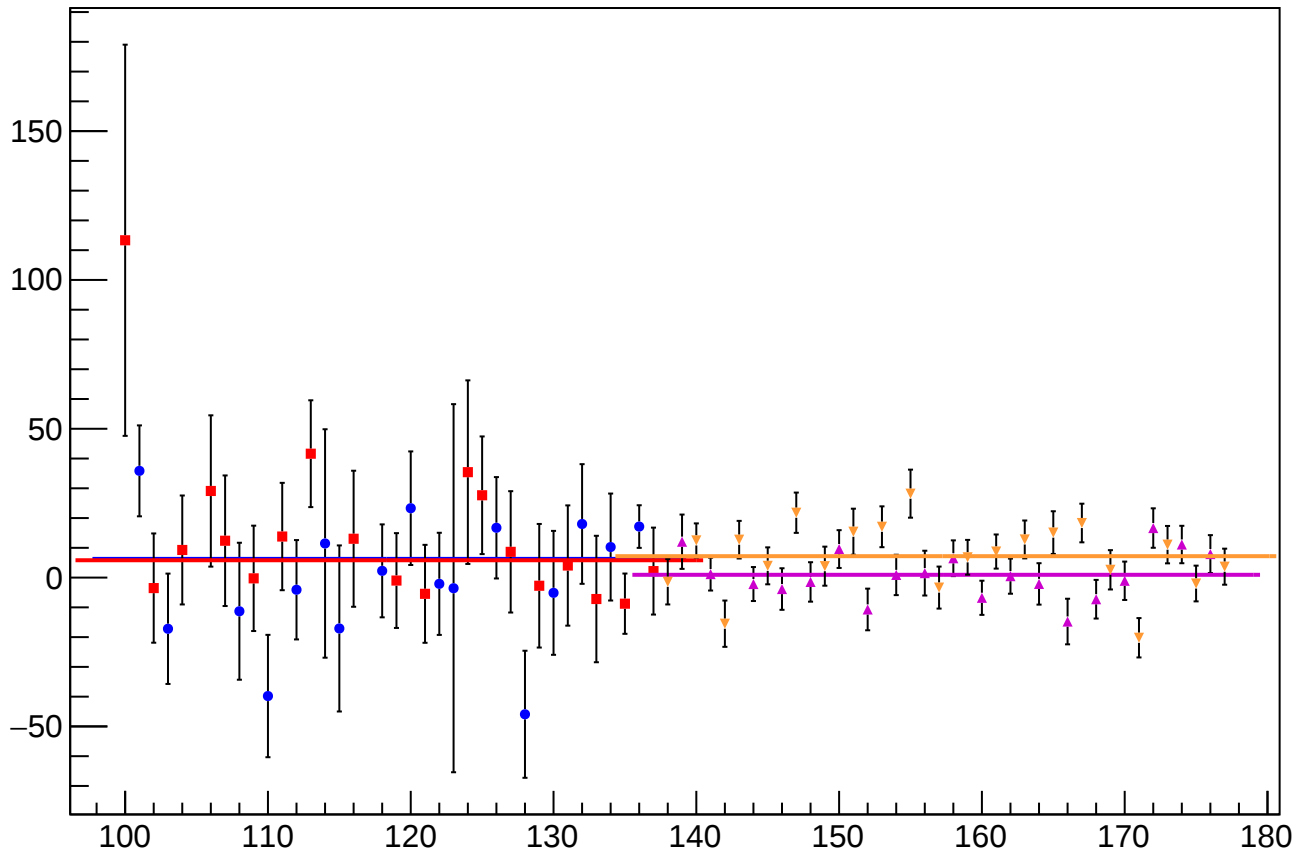
Left In: 4534.056+/-0.885 χ^2/NDF : 2444025.9/18

+ sign 4870.122+/-0.759 χ^2/NDF : 2896875.4/37

All: 4722.942+/-0.529 χ^2/NDF : 6737543.5/75

- sign 4583.934+/-0.738 χ^2/NDF : 3767575.1/37

diff_bpm16X_mean vs Slug



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

Left Out: 7.196 ± 1.432 χ^2/NDF : 54.6/20

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

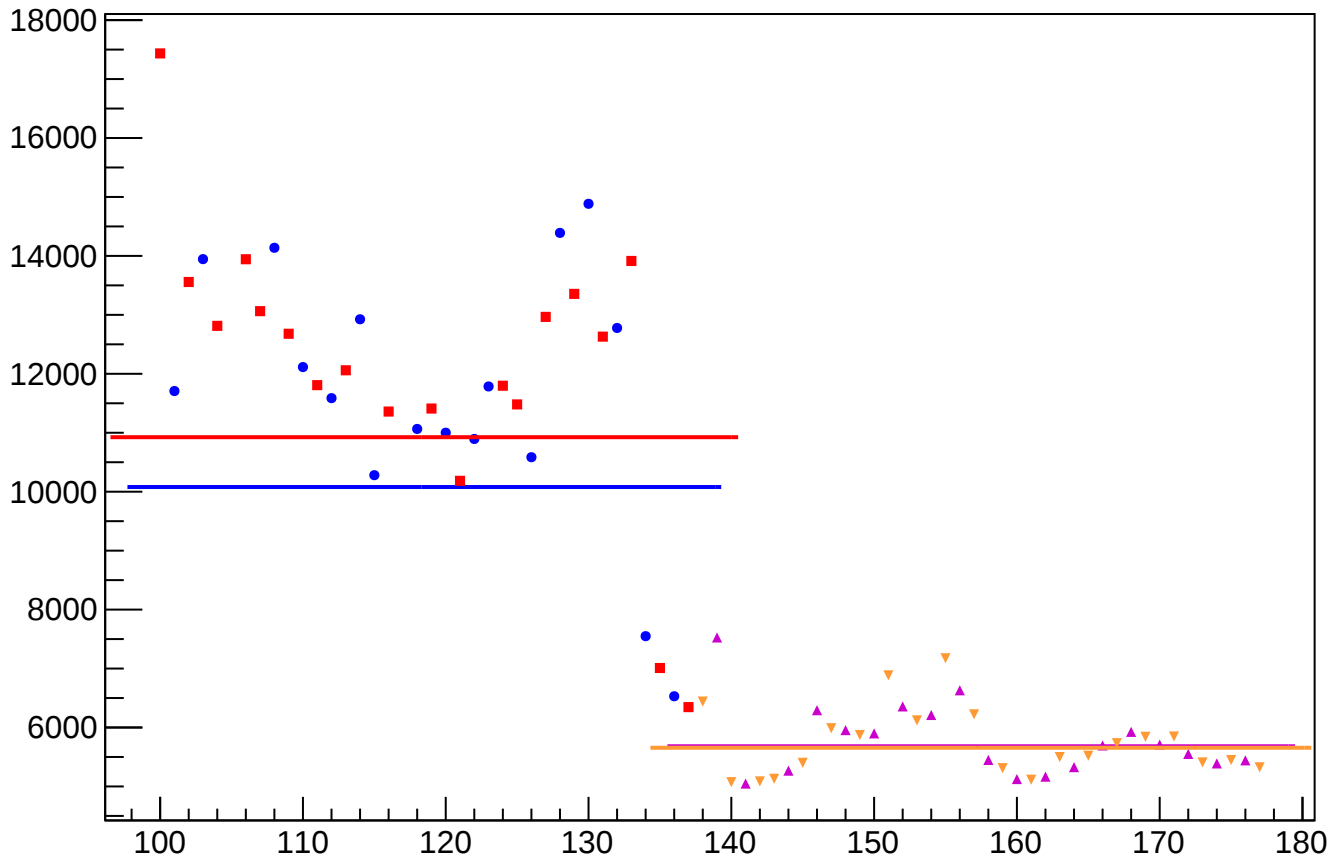
Left In: 0.937 ± 1.493 χ^2/NDF : 25.2/18

+ sign 7.096 ± 1.351 χ^2/NDF : 77.2/37

All: 4.404 ± 0.975 χ^2/NDF : 125.6/75

- sign 1.482 ± 1.408 χ^2/NDF : 40.2/37

diff_bpm16X_rms vs Slug



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

Left Out: 5656.235 $\pm$ 1.013 χ^2 /NDF:262309.8/20

+ sign 6144.798 $\pm$ 0.955 χ^2 /NDF: 3364361.1/37

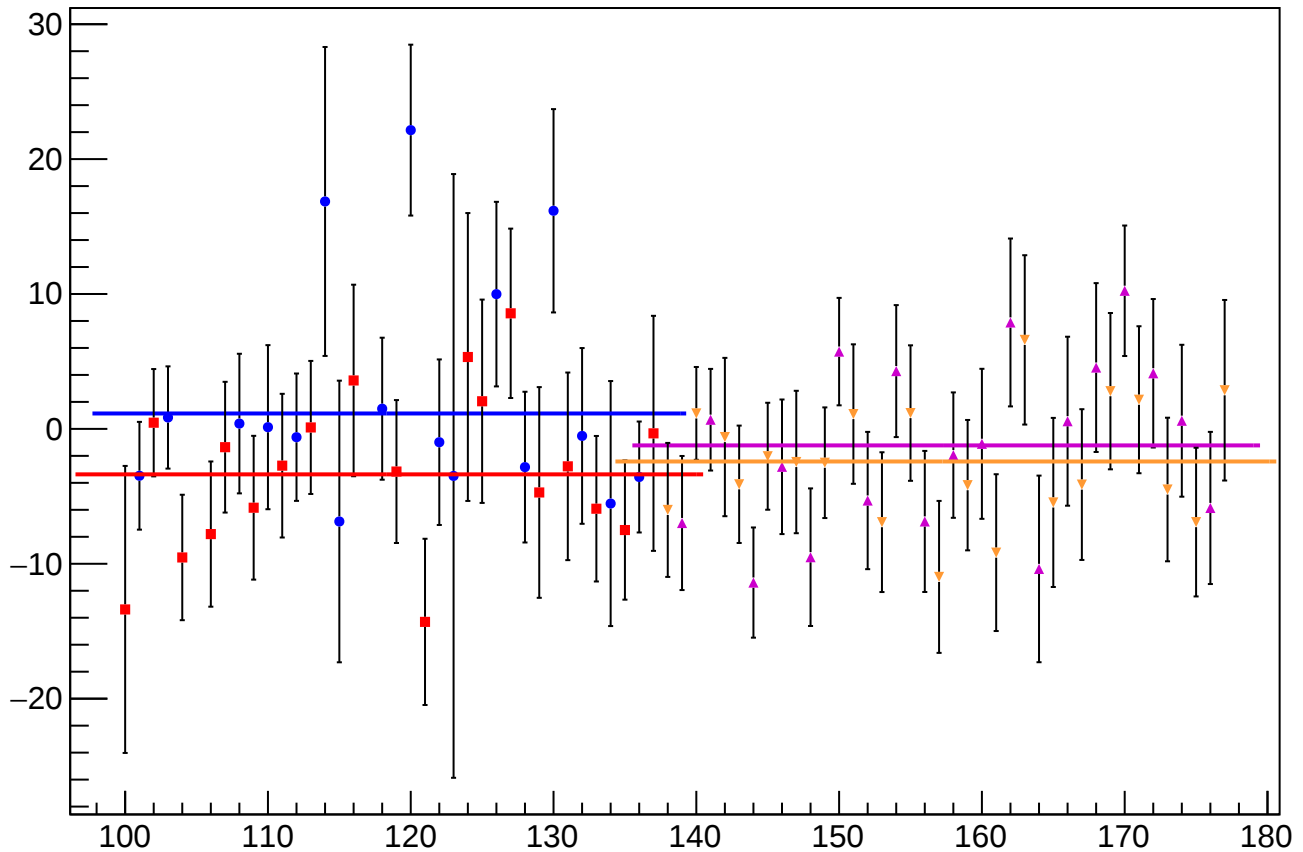
Right Out: 10924.541 $\pm$ 2.983 χ^2 /NDF: 768447.5/18

All: 6202.602 $\pm$ 0.689 χ^2 /NDF: 7140390.0/75

Left In: 5681.774 $\pm$ 1.056 χ^2 /NDF:255454.4/18

- sign 6265.385 $\pm$ 0.995 χ^2 /NDF: 3768387.5/37

diff_bpm16Y_mean vs Slug



Right In: 1.142 $\pm$ 1.395 χ^2/NDF : 23.2/16

Left Out: -2.416 $\pm$ 1.104 χ^2/NDF : 12.7/20

Right Out: -3.371 $\pm$ 1.333 χ^2/NDF : 15.1/18

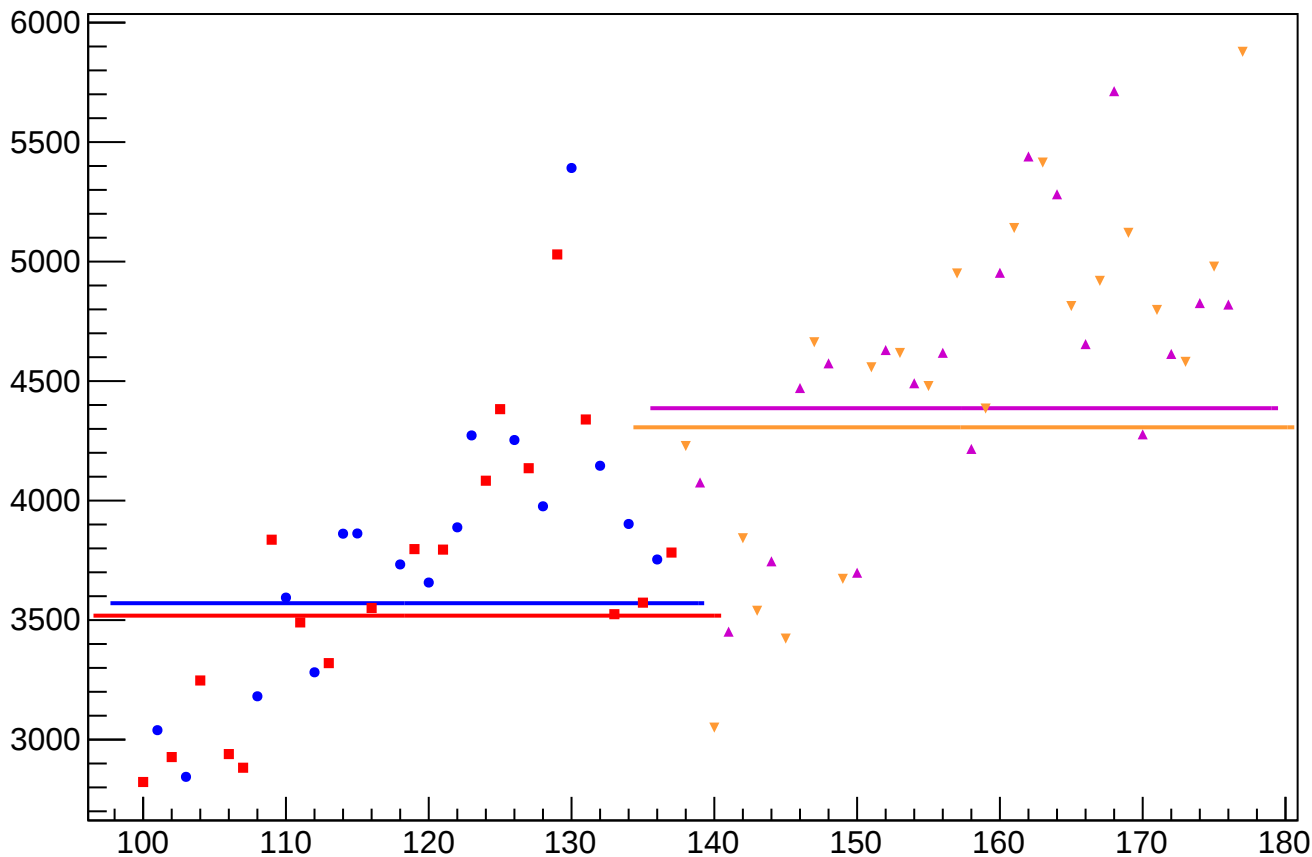
Left In: -1.224 $\pm$ 1.159 χ^2/NDF : 28.9/18

+ sign -1.046 $\pm$ 0.866 χ^2/NDF : 40.0/37

All: -1.592 $\pm$ 0.615 χ^2/NDF : 86.2/75

- sign -2.148 $\pm$ 0.875 χ^2/NDF : 45.4/37

diff_bpm16Y_rms vs Slug



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

Left Out: 4306.662 ± 0.780 χ^2/NDF : 880721.3/20

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

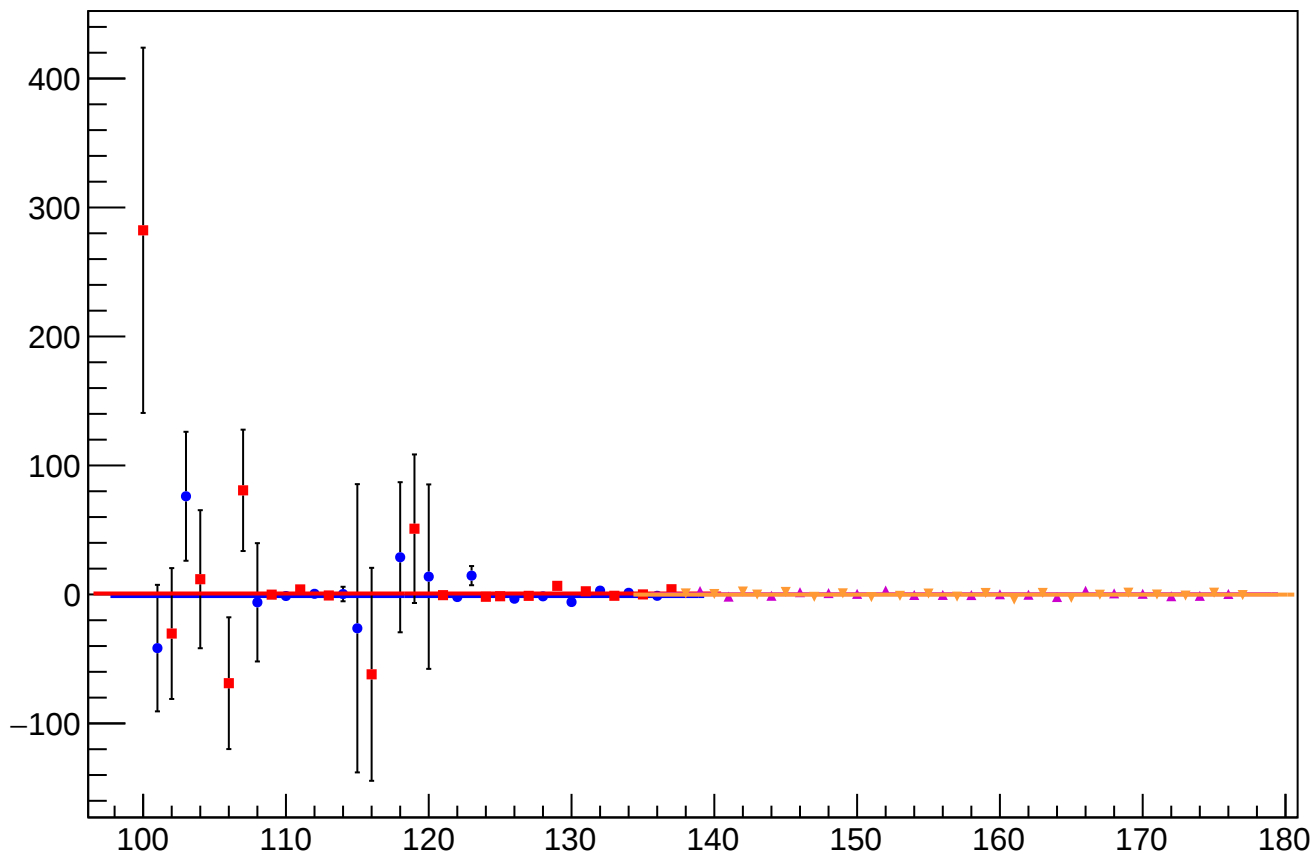
Left In: 4386.598 ± 0.819 χ^2/NDF : 488828.8/18

+ sign 4023.379 ± 0.612 χ^2/NDF : 1532575.9/37

All: 4018.251 ± 0.435 χ^2/NDF : 2797672.3/75

- sign 4013.016 ± 0.618 χ^2/NDF : 1264954.5/37

diff_bpm1p02bX_mean vs Slug



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

Left Out: -0.129 ± 0.266 χ^2/NDF : 33.8/20

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

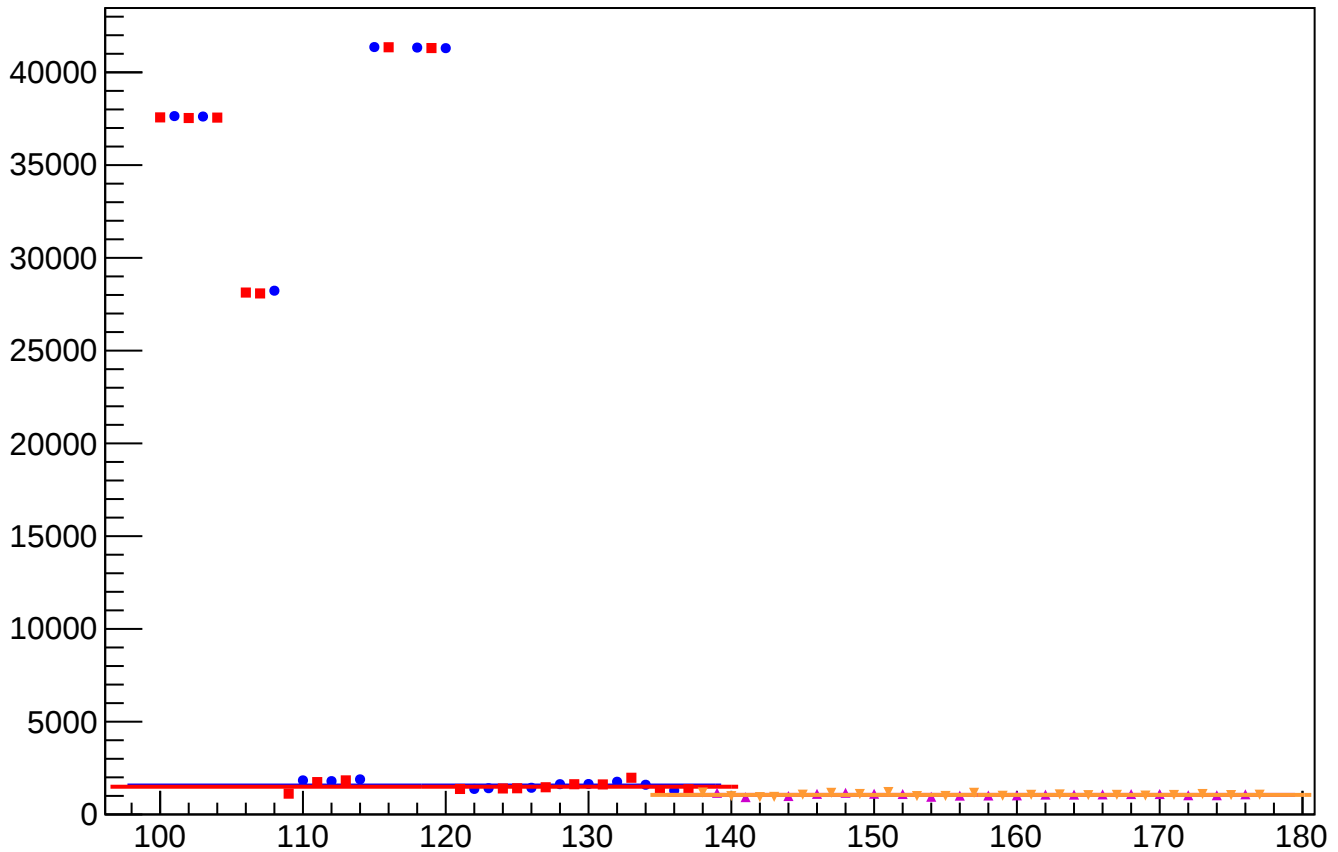
Left In: 0.141 ± 0.276 χ^2/NDF : 25.0/18

+ sign -0.256 ± 0.251 χ^2/NDF : 52.1/37

All: -0.025 ± 0.180 χ^2/NDF : 101.5/75

- sign 0.219 ± 0.258 χ^2/NDF : 47.6/37

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1054.215 $\pm$ 0.188 χ^2 /NDF: 134879.2/20

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

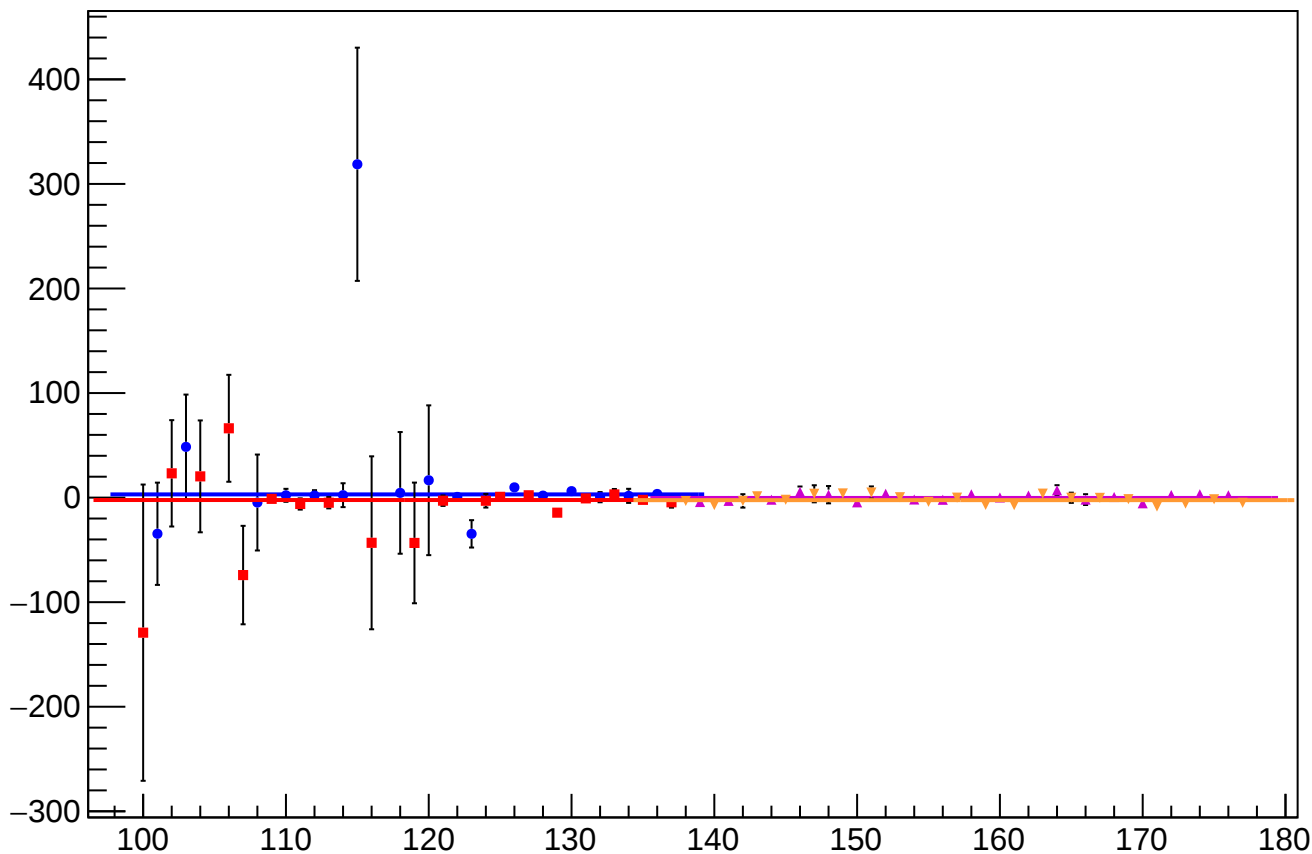
Left In: 1054.291 $\pm$ 0.195 χ^2 /NDF: 107074.9/18

+ sign 1110.926 $\pm$ 0.177 χ^2 /NDF: 5697318.4/37

All: 1111.543 $\pm$ 0.127 χ^2 /NDF: 11364877.5/7

- sign 1112.195 $\pm$ 0.182 χ^2 /NDF: 5667534.1/37

diff_bpm1p02bY_mean vs Slug



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

Left Out: -2.422 ± 0.871 χ^2/NDF : 16.1/20

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

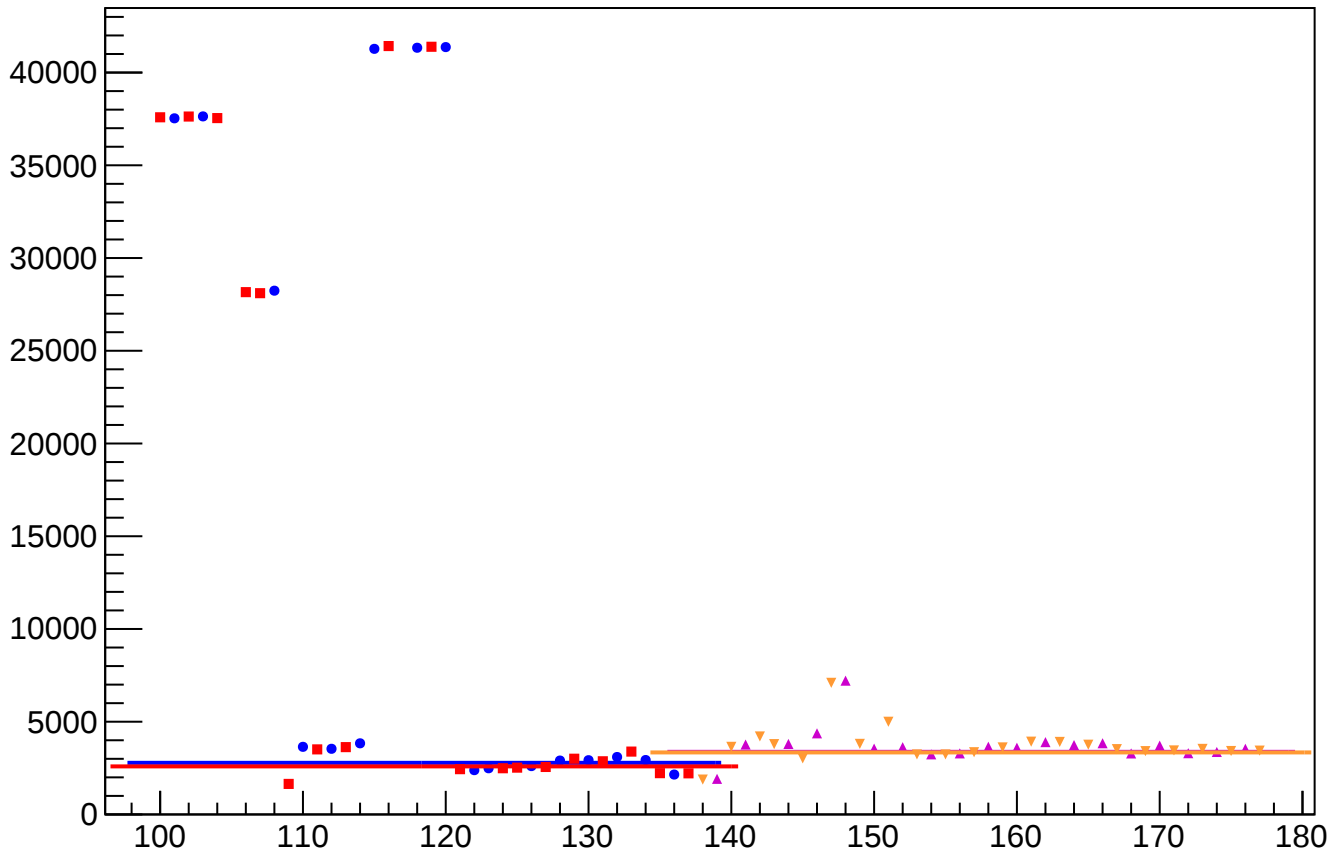
Left In: -0.330 ± 0.912 χ^2/NDF : 14.0/18

+ sign -0.760 ± 0.728 χ^2/NDF : 50.1/37

All: -0.892 ± 0.517 χ^2/NDF : 82.7/75

- sign -1.027 ± 0.733 χ^2/NDF : 32.6/37

diff_bpm1p02bY_rms vs Slug



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

Left Out: 3344.137+/-0.616 χ^2/NDF : 1627747.6/20

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

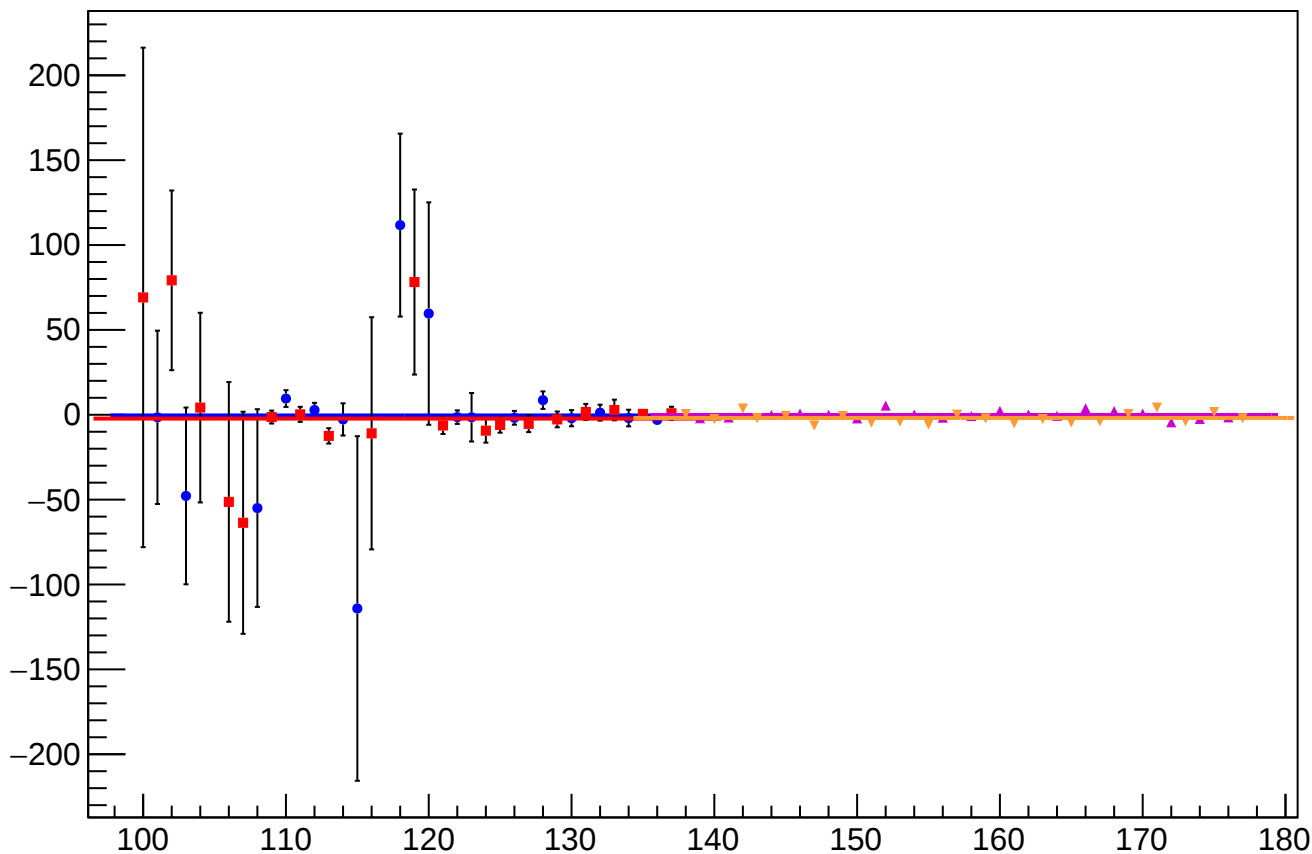
Left In: 3376.358+/-0.645 χ^2/NDF : 1406909.6/18

+ sign 3174.706+/-0.515 χ^2/NDF : 6455166.8/37

All: 3137.239+/-0.365 χ^2/NDF : 13242946.3/7

- sign 3099.178+/-0.519 χ^2/NDF : 6777093.2/37

diff_bpm1p03aX_mean vs Slug



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

Left Out: -1.873 ± 0.420 χ^2/NDF : 42.5/20

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

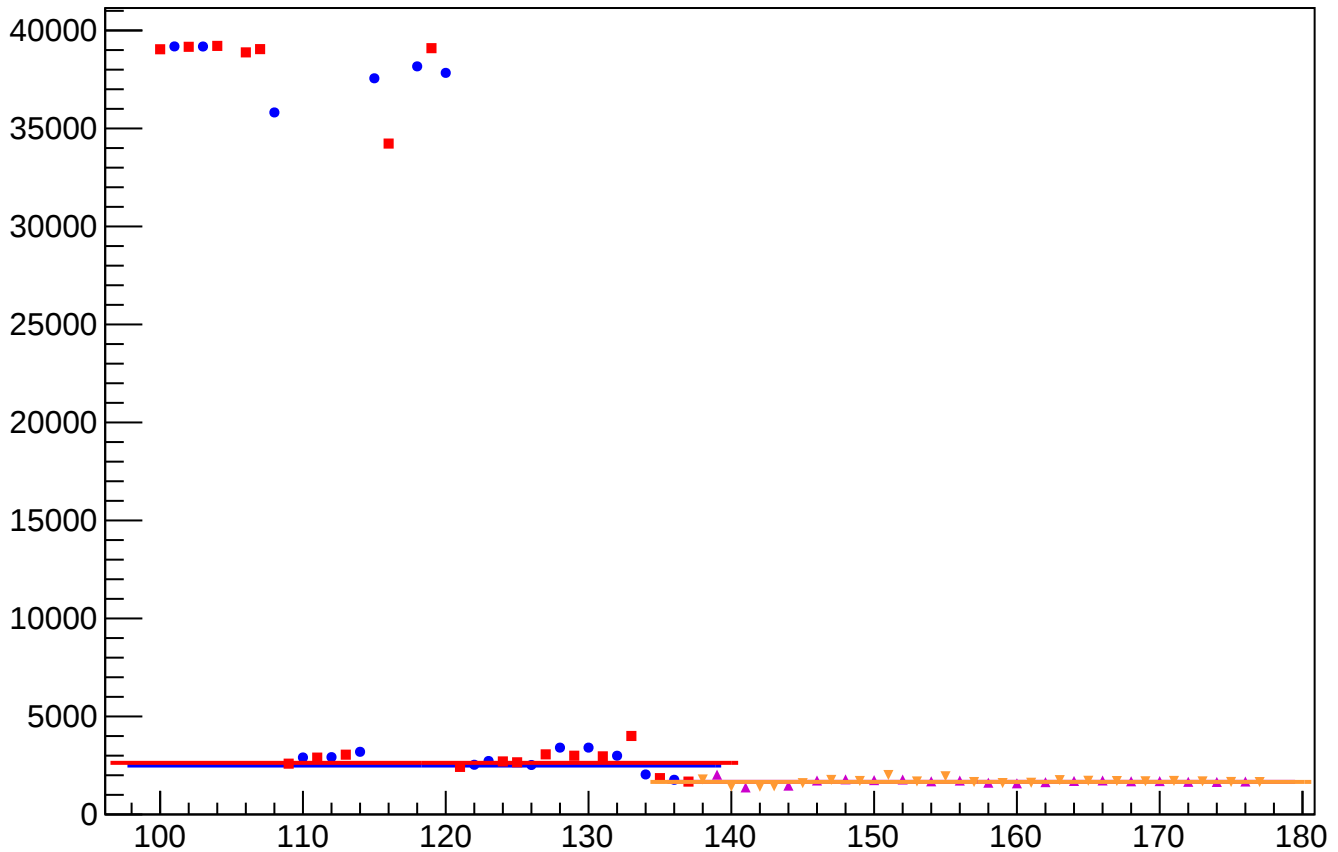
Left In: -0.127 ± 0.437 χ^2/NDF : 24.8/18

+ sign -1.717 ± 0.397 χ^2/NDF : 62.0/37

All: -1.064 ± 0.286 χ^2/NDF : 112.5/75

- sign -0.359 ± 0.412 χ^2/NDF : 44.8/37

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1660.397 $\pm$ 0.297 χ^2 /NDF: 214875.7/20

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

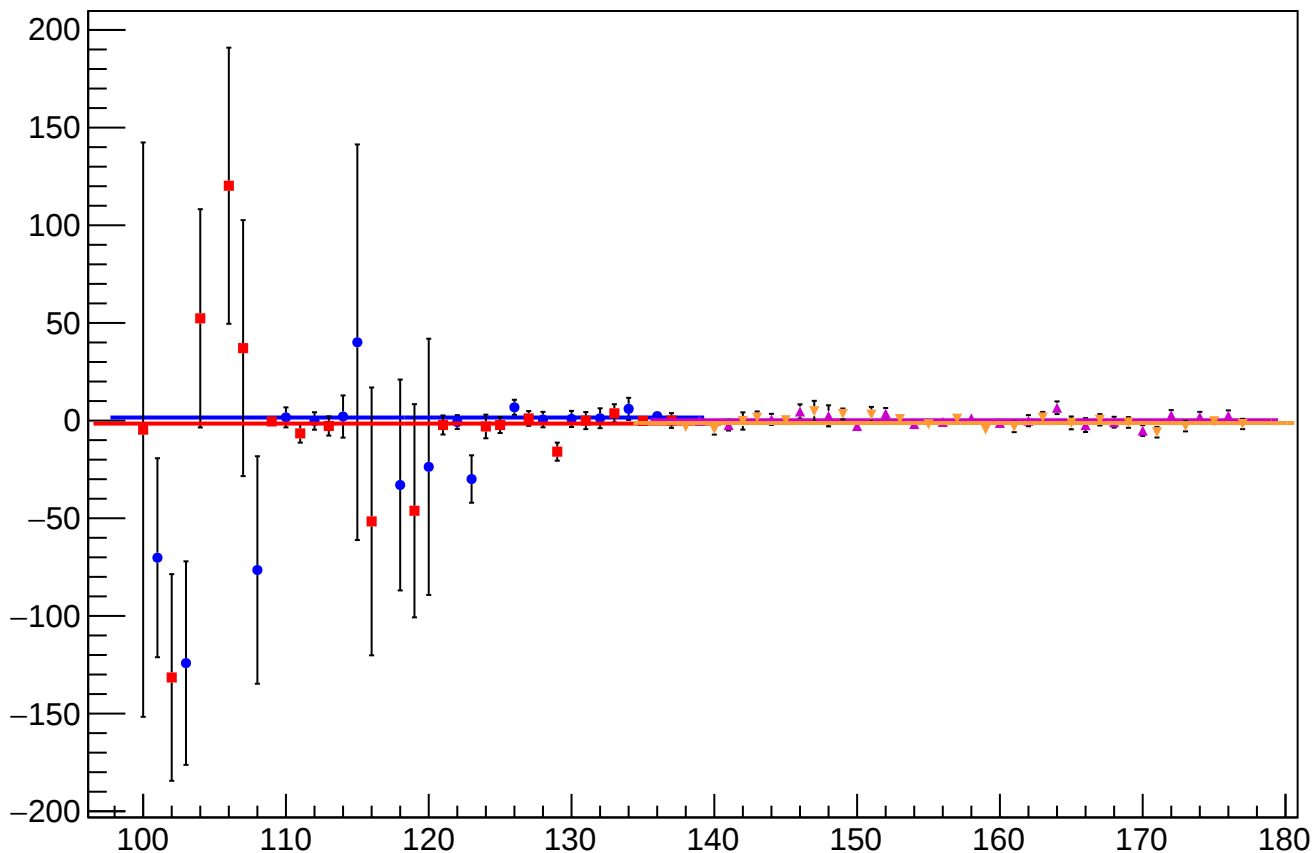
Left In: 1663.390 $\pm$ 0.309 χ^2 /NDF: 178377.8/18

+ sign 1749.095 $\pm$ 0.281 χ^2 /NDF: 5937994.9/37

All: 1758.905 $\pm$ 0.202 χ^2 /NDF: 12058743.8/7

- sign 1769.481 $\pm$ 0.291 χ^2 /NDF: 6118209.6/37

diff_bpm1p03aY_mean vs Slug



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

Left Out: -1.231 ± 0.577 χ^2/NDF : 18.5/20

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

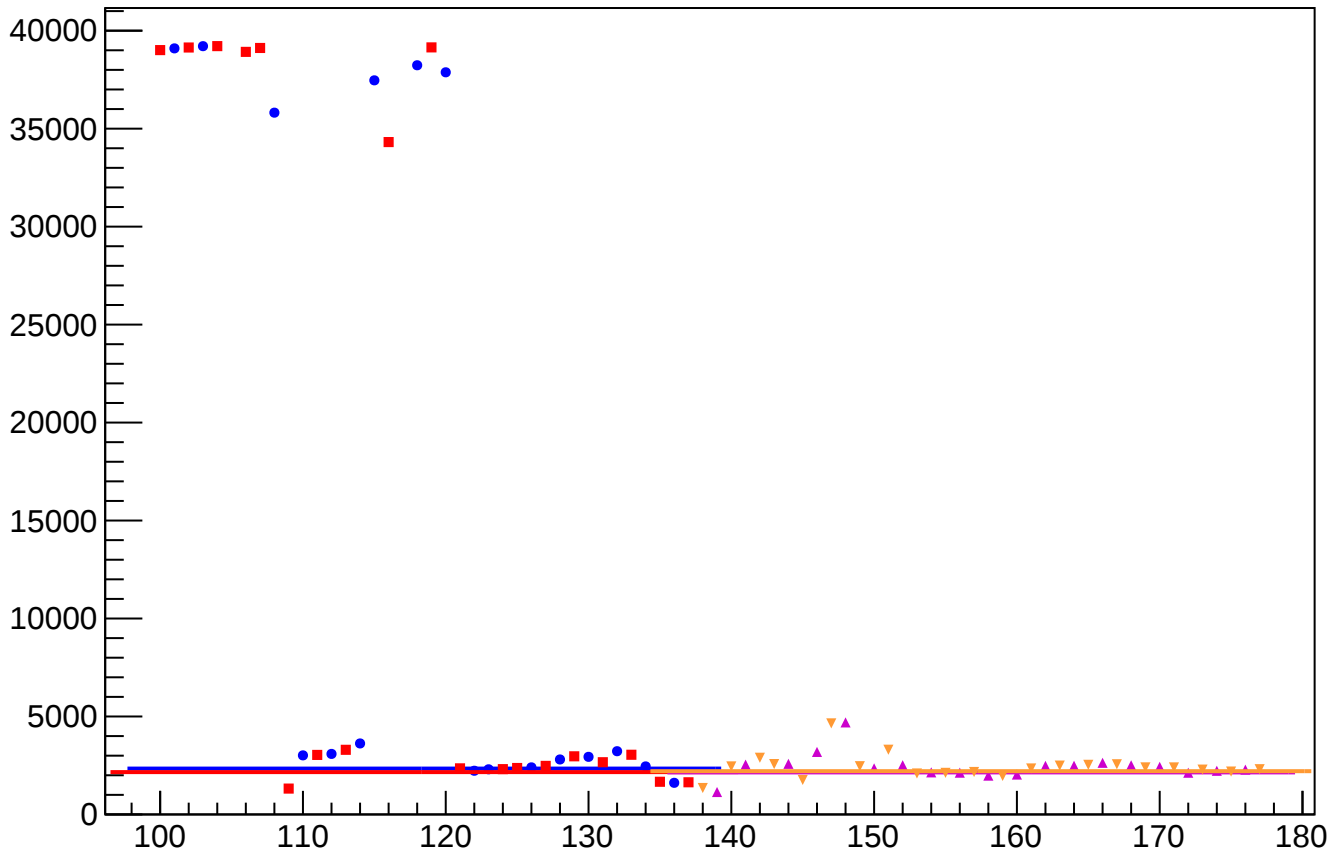
Left In: 0.176 ± 0.586 χ^2/NDF : 17.1/18

+ sign -0.661 ± 0.515 χ^2/NDF : 43.7/37

All: -0.440 ± 0.364 χ^2/NDF : 88.1/75

- sign -0.221 ± 0.513 χ^2/NDF : 44.1/37

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2208.411 $\pm$ 0.408 χ^2 /NDF: 1407781.4/20

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

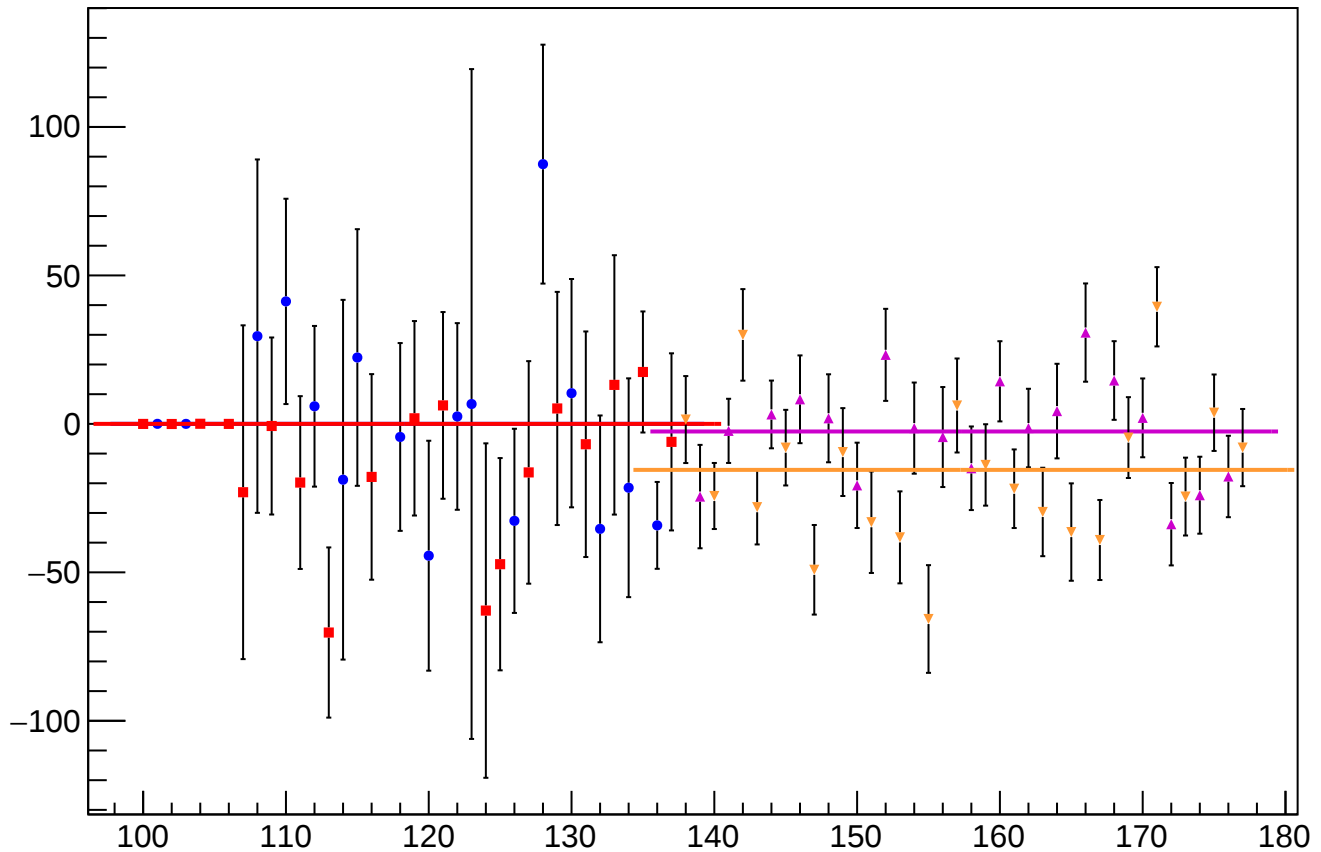
Left In: 2146.319 $\pm$ 0.415 χ^2 /NDF: 1951999.3/18

+ sign 2235.351 $\pm$ 0.364 χ^2 /NDF: 6436139.3/37

All: 2192.434 $\pm$ 0.257 χ^2 /NDF: 13715185.0/7

- sign 2149.786 $\pm$ 0.363 χ^2 /NDF: 7251348.7/37

diff_cav4bX_mean vs Slug



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

Left Out: -15.490 ± 3.063 χ^2/NDF : 56.4/20

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

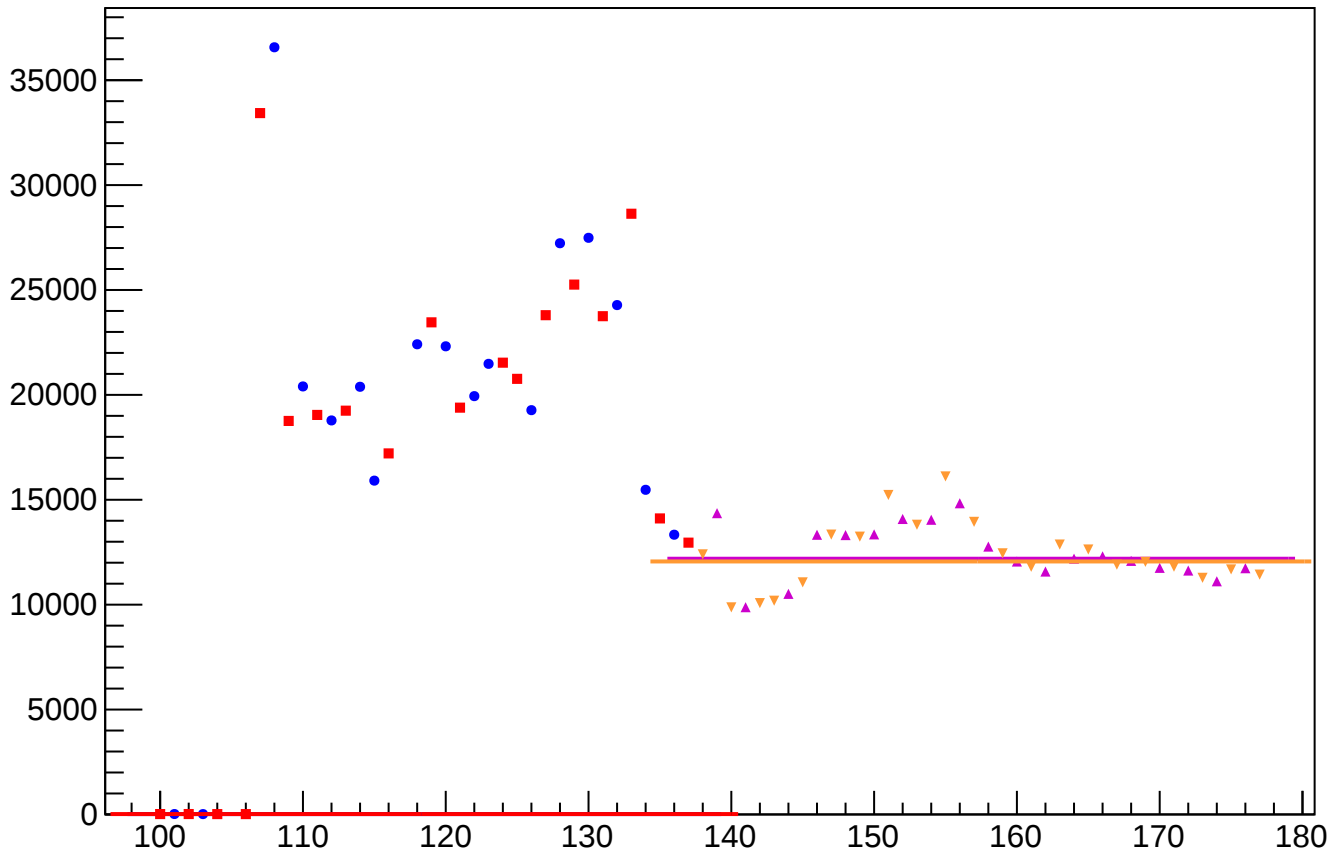
Left In: -2.559 ± 3.209 χ^2/NDF : 24.3/18

+ sign 0.013 ± 0.017 χ^2/NDF : 98.1/37

All: 0.008 ± 0.012 χ^2/NDF : 139.1/75

- sign 0.003 ± 0.016 χ^2/NDF : 40.8/37

diff_cav4bX_rms vs Slug



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

Left Out: 12059.973 $\pm$ 2.166 χ^2 /NDF: 443085.3/20

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

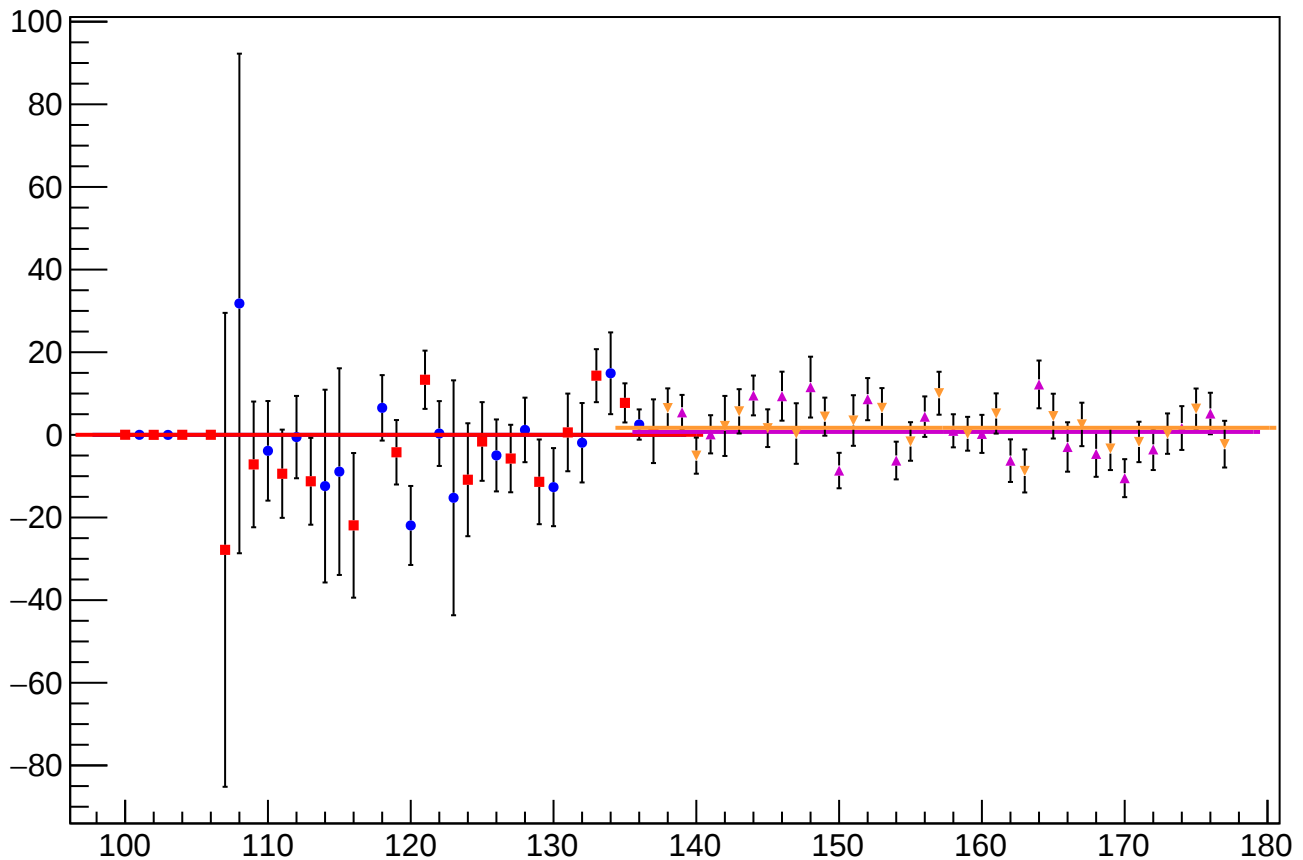
Left In: 12189.149 $\pm$ 2.269 χ^2 /NDF: 340106.7/18

+ sign 19.027 $\pm$ 0.012 χ^2 /NDF: 42330692.0/37

All: 18.807 $\pm$ 0.008 χ^2 /NDF: 82557148.3/75

- sign 18.617 $\pm$ 0.011 χ^2 /NDF: 40225853.3/37

diff_cav4bY_mean vs Slug



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

Left Out: 1.711 $\pm$ 1.104 χ^2 /NDF:16.3/20

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

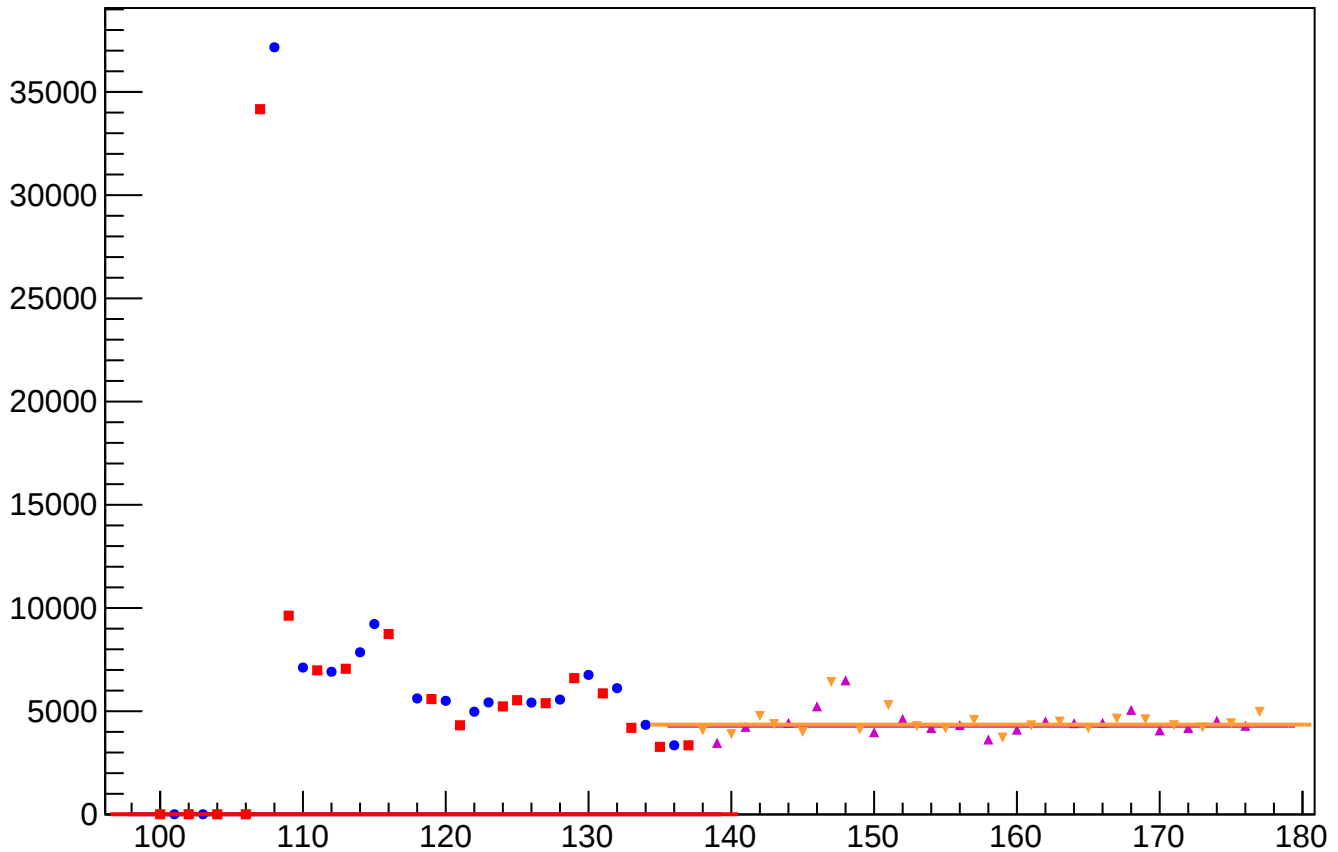
Left In: 0.711 $\pm$ 1.136 χ^2 /NDF:33.5/18

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 31.8/37

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 85.4/75

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 52.5/37

diff_cav4bY_rms vs Slug



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

Left Out: 4349.941 ± 0.781 χ^2/NDF : 355047.8/20

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

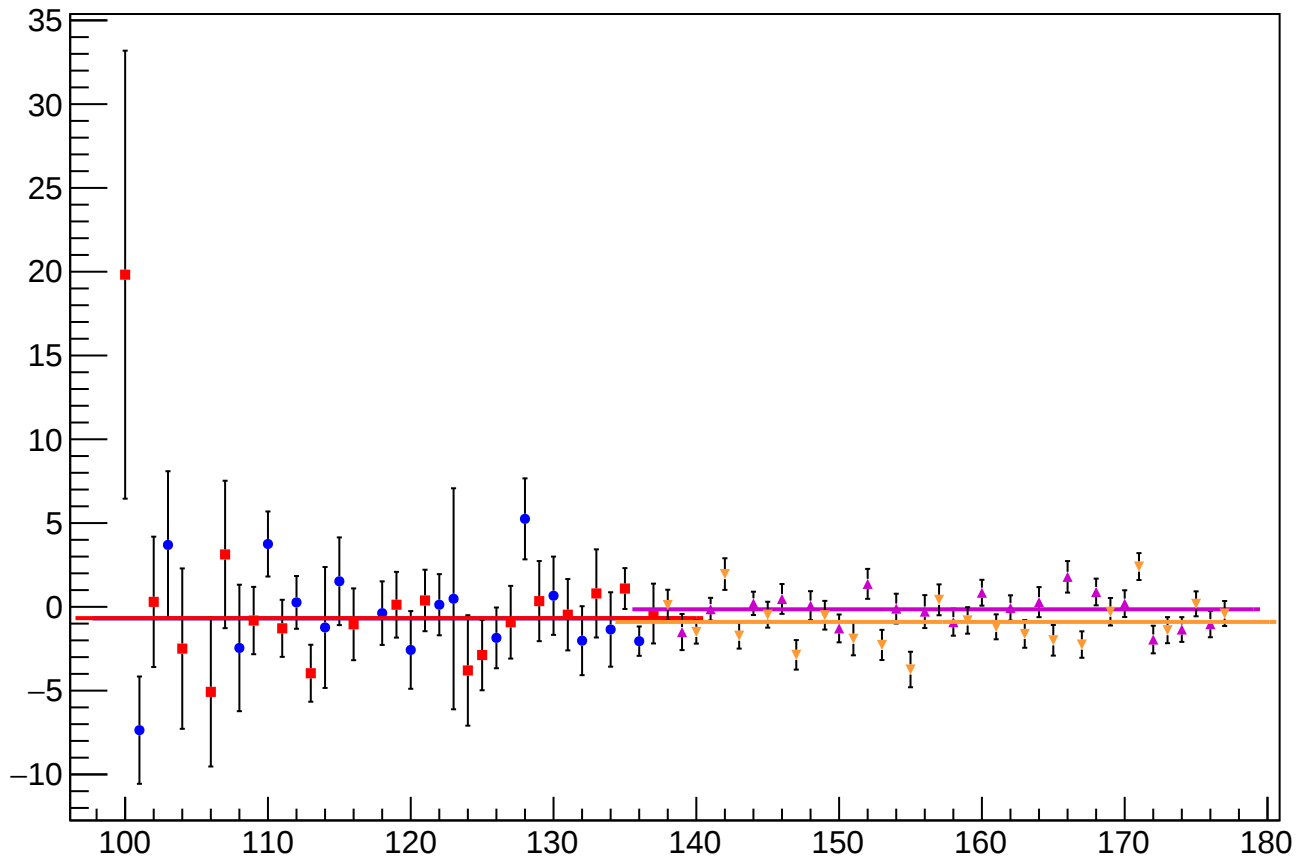
Left In: 4298.612 ± 0.803 χ^2/NDF : 441350.6/18

+ sign 10.240 ± 0.007 χ^2/NDF : 42352076.7/37

All: 10.168 ± 0.004 χ^2/NDF : 82482699.1/75

- sign 10.103 ± 0.006 χ^2/NDF : 40130387.0/37

diff_cav4cX_mean vs Slug



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

Left Out: -0.899 ± 0.181 χ^2/NDF : 56.1/20

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

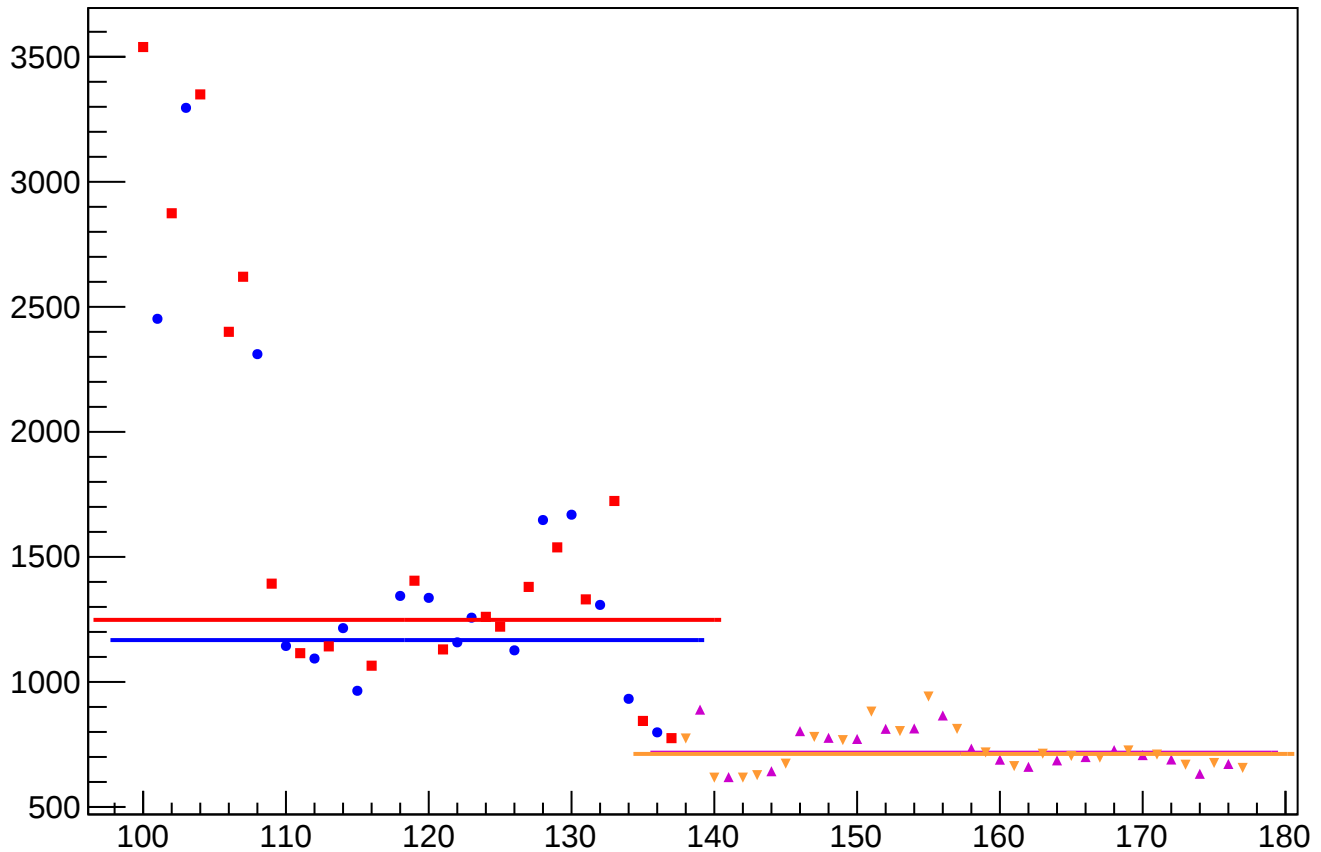
Left In: -0.146 ± 0.189 χ^2/NDF : 24.8/18

+ sign -0.874 ± 0.169 χ^2/NDF : 78.7/37

All: -0.557 ± 0.122 χ^2/NDF : 125.2/75

- sign -0.211 ± 0.176 χ^2/NDF : 39.1/37

diff_cav4cX_rms vs Slug



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

Left Out: 712.170 $\pm$ 0.128 χ^2 /NDF: 344800.1/20

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

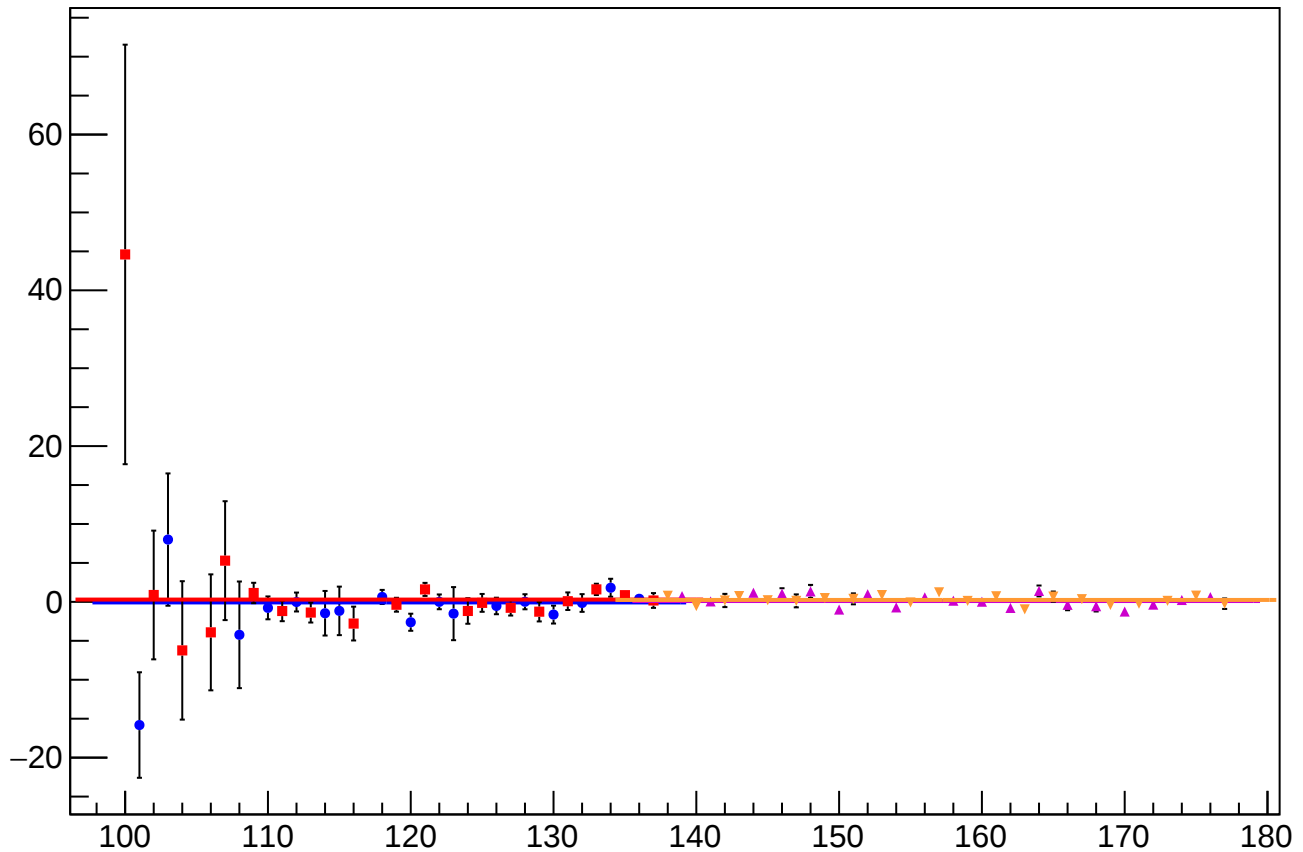
Left In: 717.146 $\pm$ 0.133 χ^2 /NDF: 297902.6/18

+ sign 768.125 $\pm$ 0.120 χ^2 /NDF: 3486065.9/37

All: 775.311 $\pm$ 0.086 χ^2 /NDF: 7416295.1/75

- sign 783.141 $\pm$ 0.125 χ^2 /NDF: 3922680.8/37

diff_cav4cY_mean vs Slug



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

Left Out: 0.247 ± 0.132 χ^2/NDF : 16.0/20

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

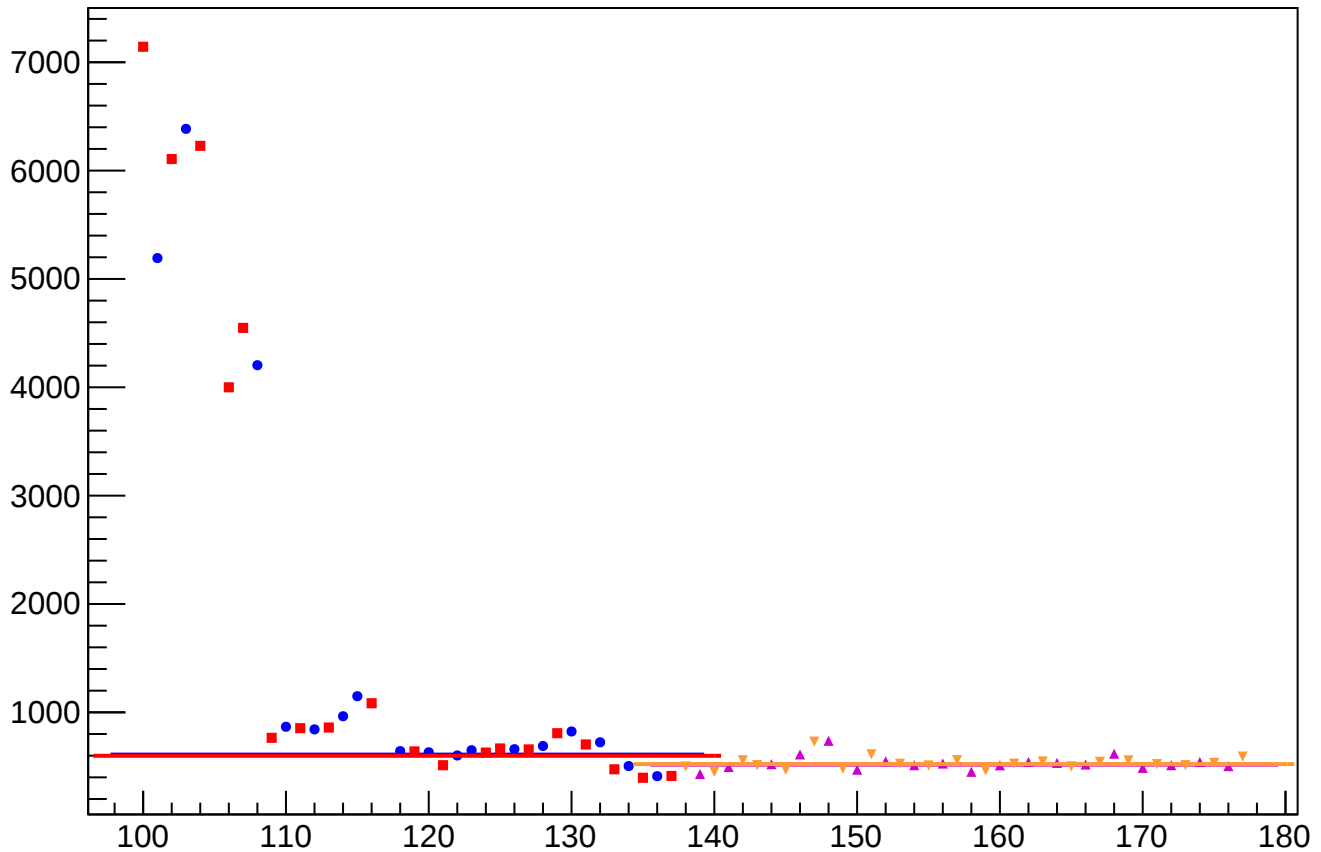
Left In: 0.107 ± 0.136 χ^2/NDF : 33.0/18

+ sign 0.185 ± 0.119 χ^2/NDF : 36.3/37

All: 0.166 ± 0.085 χ^2/NDF : 90.0/75

- sign 0.147 ± 0.121 χ^2/NDF : 53.6/37

diff_cav4cY_rms vs Slug



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

Left Out: 522.257 $\pm$ 0.094 χ^2 /NDF:304542.3/20

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

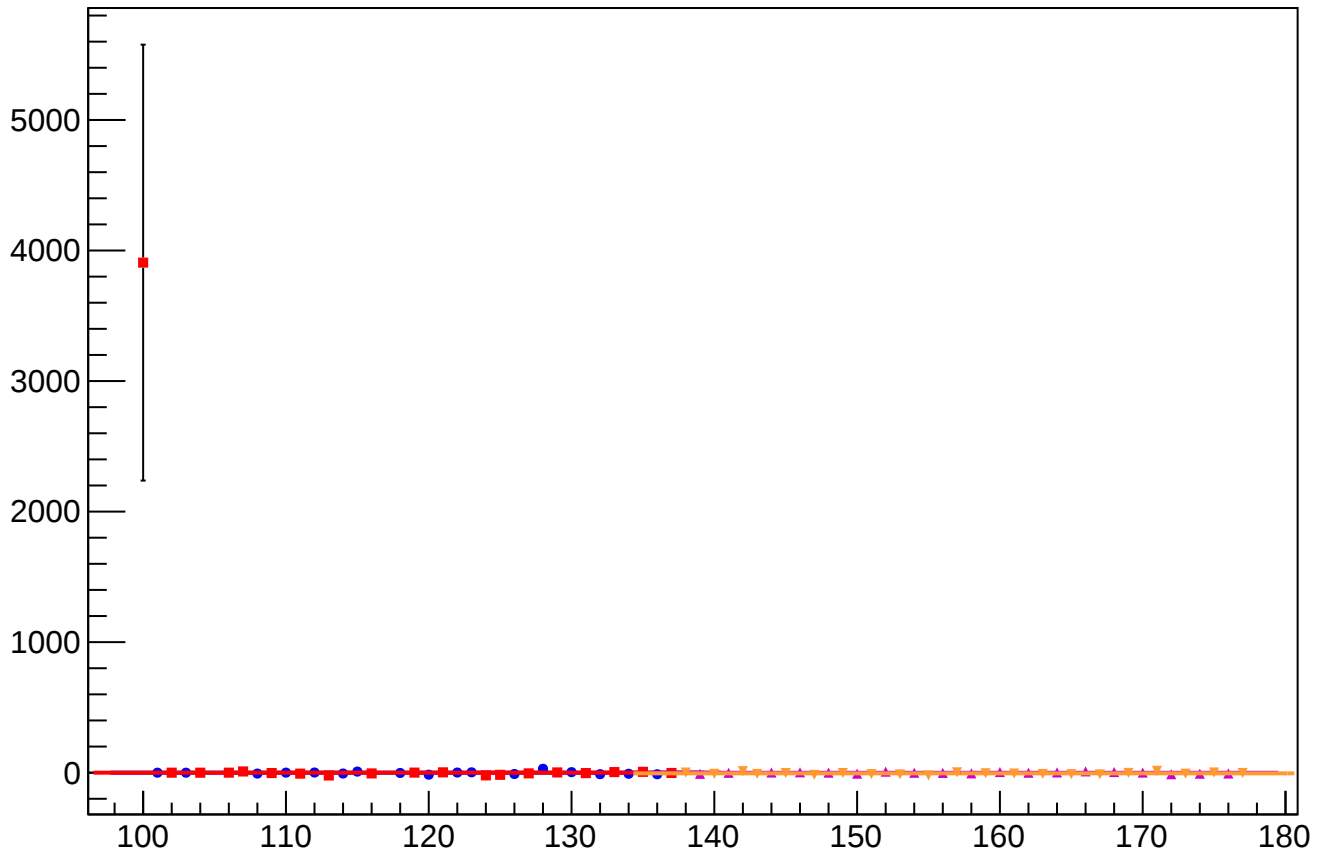
Left In: 517.361 $\pm$ 0.096 χ^2 /NDF:350967.2/18

+ sign 539.379 $\pm$ 0.084 χ^2 /NDF: 3611357.3/37

All: 537.026 $\pm$ 0.060 χ^2 /NDF: 7667413.7/75

- sign 534.577 $\pm$ 0.086 χ^2 /NDF: 4054455.3/37

diff_cav4dX_mean vs Slug



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

Left Out: -5.182 ± 1.050 χ^2/NDF : 56.0/20

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

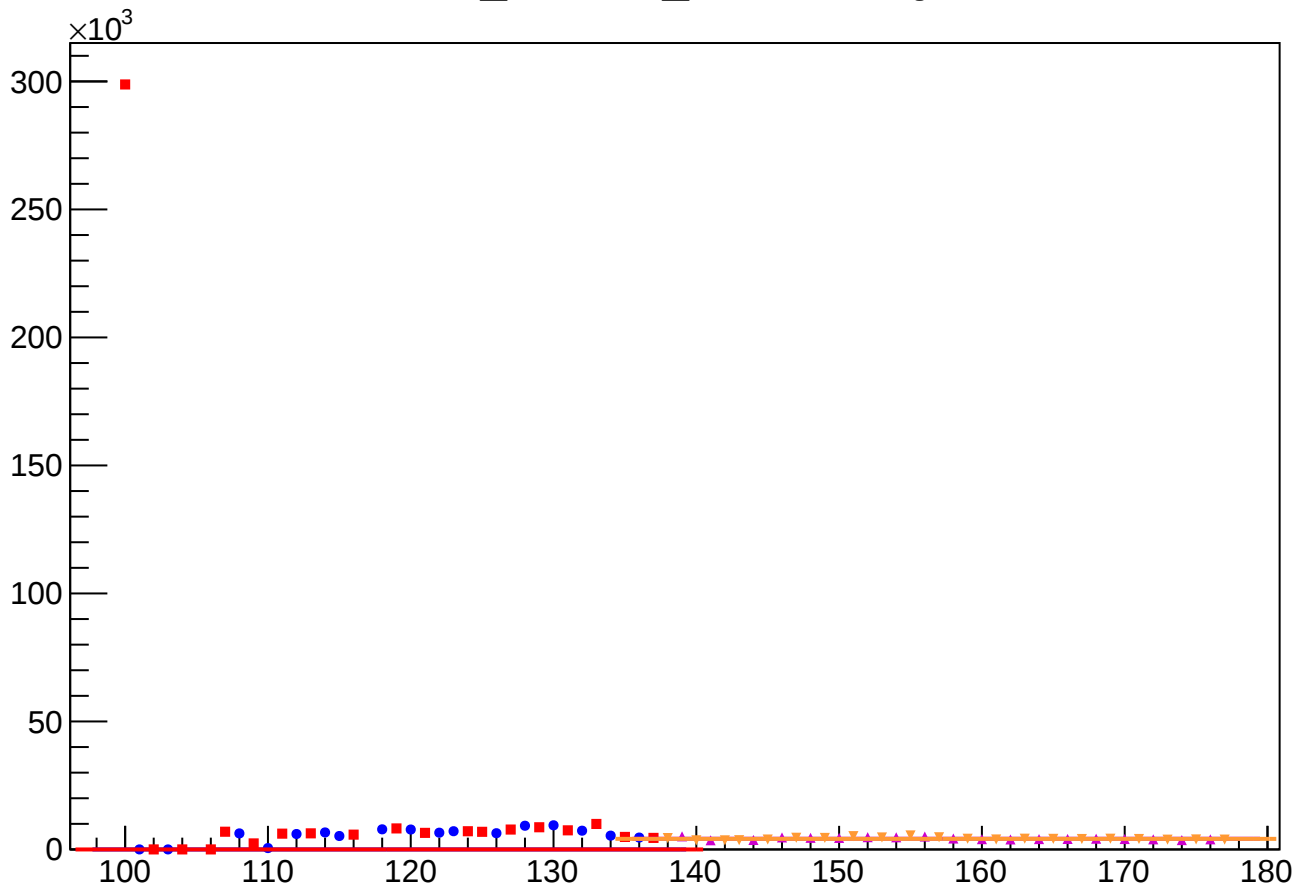
Left In: -0.902 ± 1.099 χ^2/NDF : 25.0/18

+ sign -0.024 ± 0.021 χ^2/NDF : 95.7/37

All: -0.025 ± 0.014 χ^2/NDF : 139.2/75

- sign -0.027 ± 0.020 χ^2/NDF : 43.5/37

diff_cav4dX_rms vs Slug



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

Left Out: 4141.549 $\pm$ 0.743 χ^2 /NDF: 366143.3/20

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

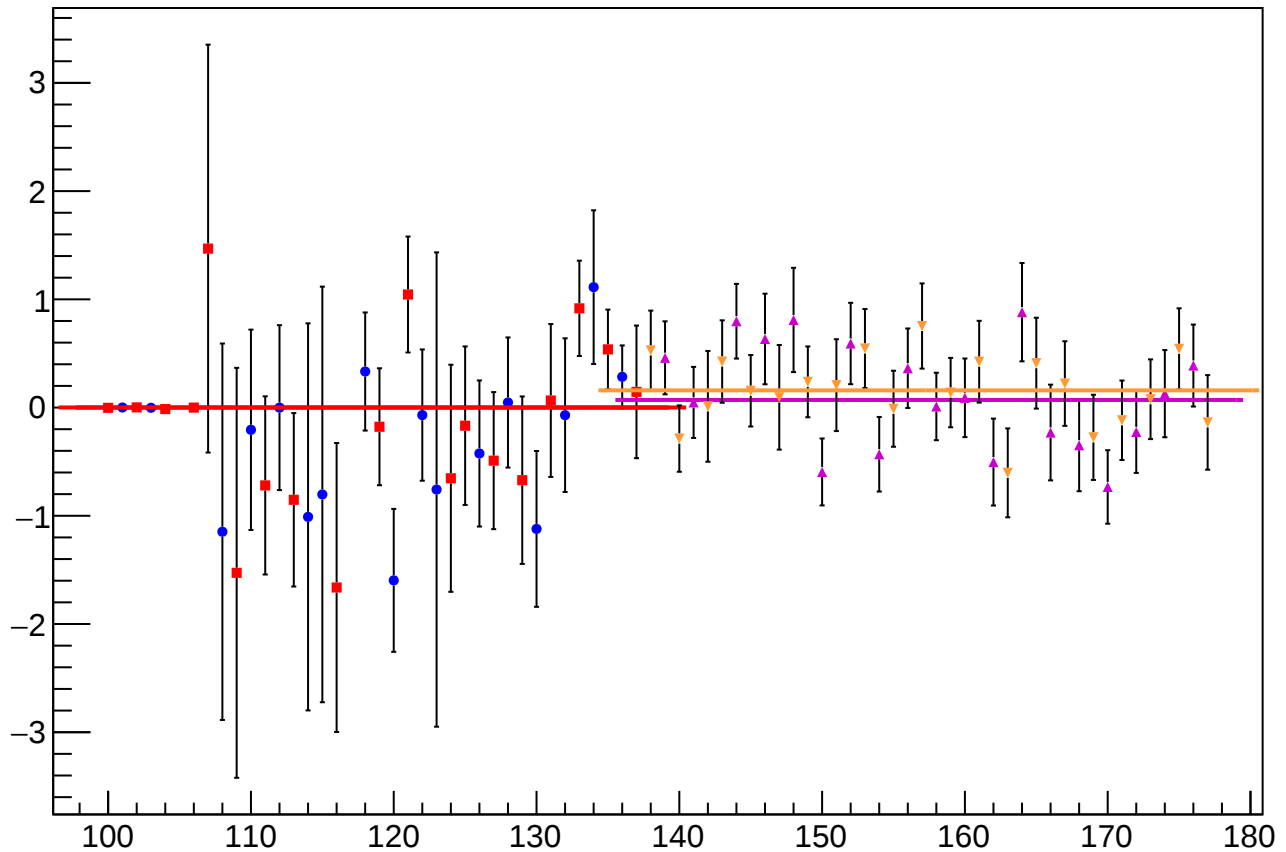
Left In: 4177.685 $\pm$ 0.777 χ^2 /NDF: 307881.6/18

+ sign 18.957 $\pm$ 0.015 χ^2 /NDF: 41691964.7/37

All: 18.778 $\pm$ 0.010 χ^2 /NDF: 81480809.7/75

- sign 18.616 $\pm$ 0.014 χ^2 /NDF: 39788562.8/37

diff_cav4dY_mean vs Slug



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

Left Out: 0.159 ± 0.082 χ^2/NDF : 15.1/20

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

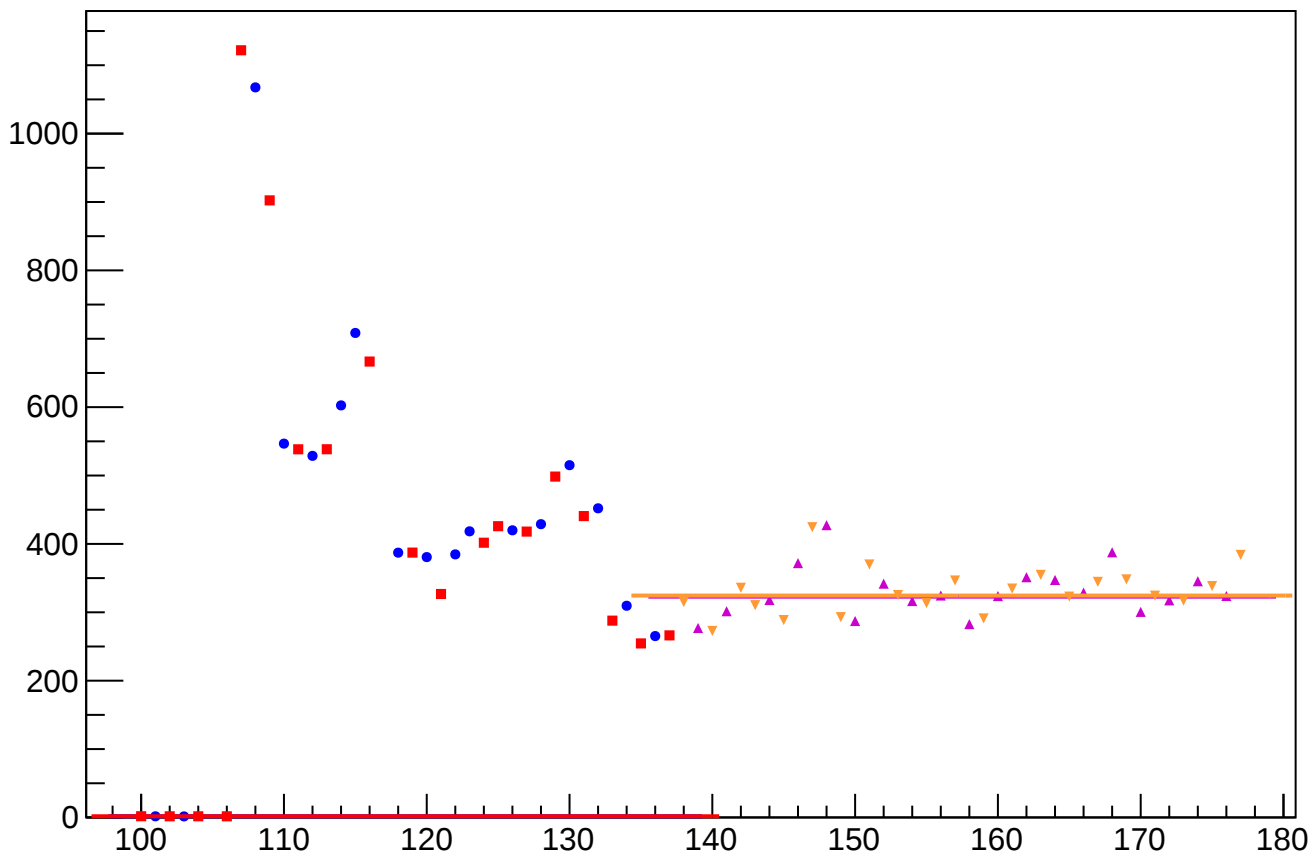
Left In: 0.070 ± 0.085 χ^2/NDF : 32.9/18

+ sign 0.000 ± 0.002 χ^2/NDF : 32.6/37

All: 0.001 ± 0.001 χ^2/NDF : 84.1/75

- sign 0.001 ± 0.002 χ^2/NDF : 51.5/37

diff_cav4dY_rms vs Slug



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

Left Out: 324.468 $\pm$ 0.058 χ^2 /NDF: 308096.6/20

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

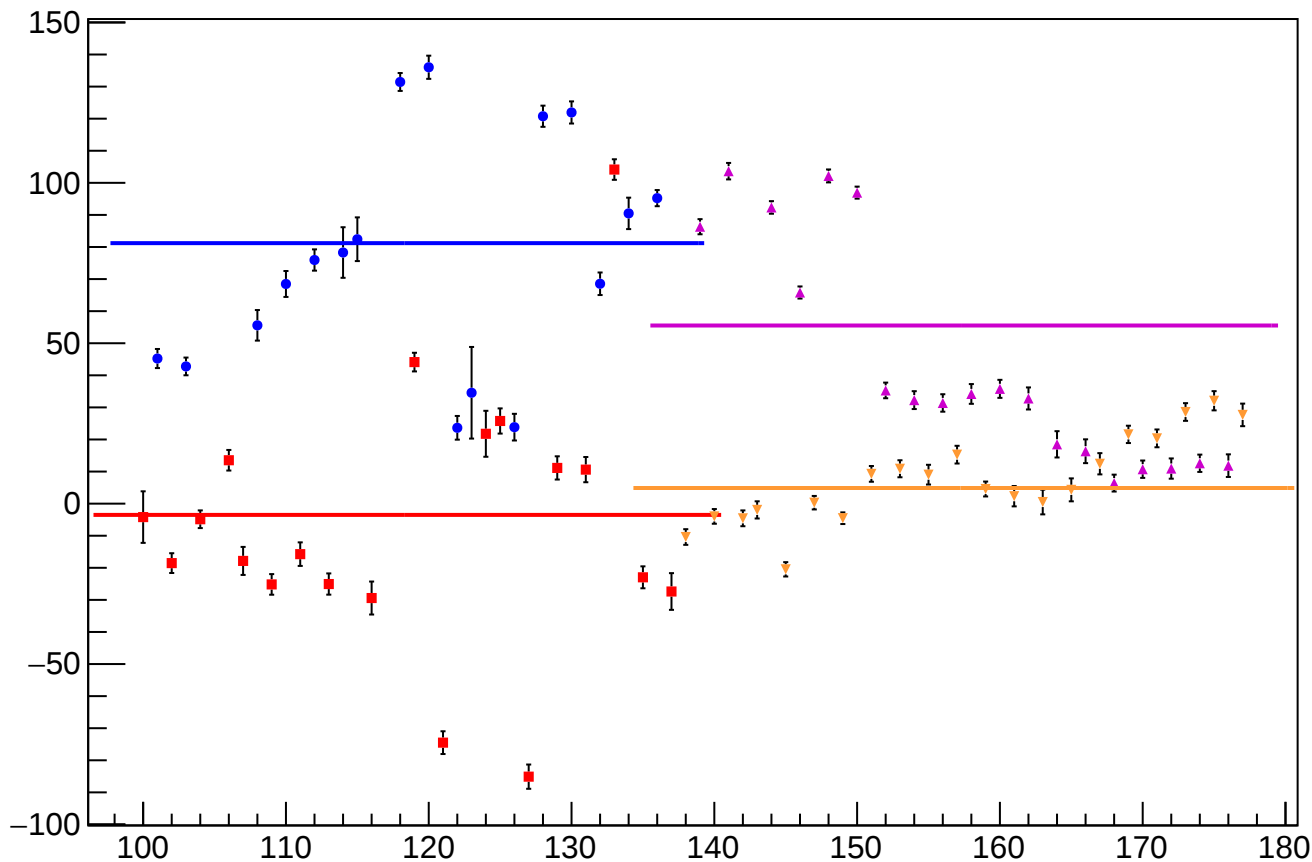
Left In: 322.898 $\pm$ 0.060 χ^2 /NDF: 310998.2/18

+ sign 1.895 $\pm$ 0.001 χ^2 /NDF: 42111403.2/37

All: 1.895 $\pm$ 0.001 χ^2 /NDF: 81666819.5/75

- sign 1.895 $\pm$ 0.001 χ^2 /NDF: 39555416.1/37

diff_bpm0i01X_mean vs Slug



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

Left Out: 4.877 $\pm$ 0.573 χ^2 /NDF: 534.6/20

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

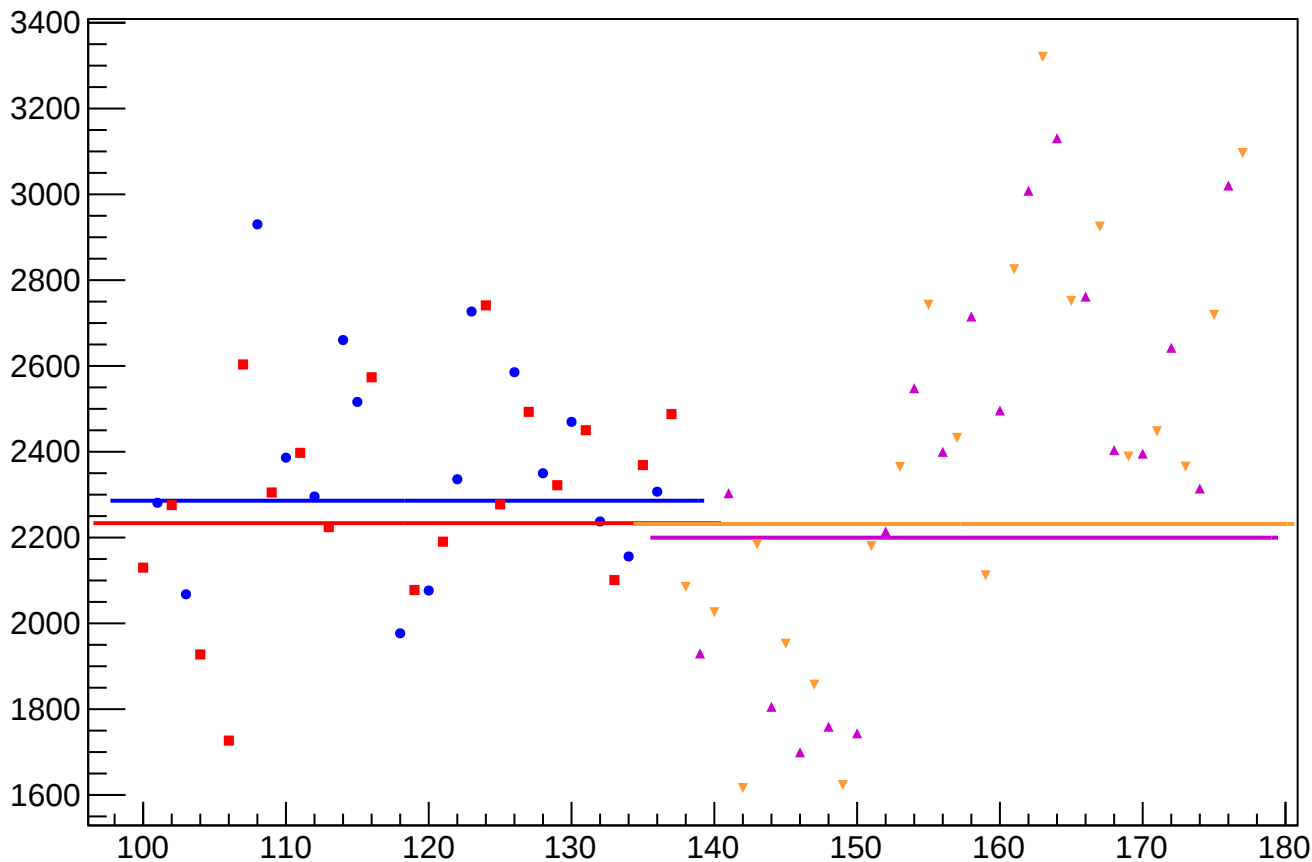
Left In: 55.528 $\pm$ 0.589 χ^2 /NDF: 3702.8/18

+ sign 27.383 $\pm$ 0.481 χ^2 /NDF: 7480.6/37

All: 31.747 $\pm$ 0.341 χ^2 /NDF: 17245.5/75

- sign 36.143 $\pm$ 0.483 χ^2 /NDF: 9599.6/37

diff_bpm0i01X_rms vs Slug



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

Left Out: 2231.575 $\pm$ 0.405 χ^2 /NDF: 1101782.0/20

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

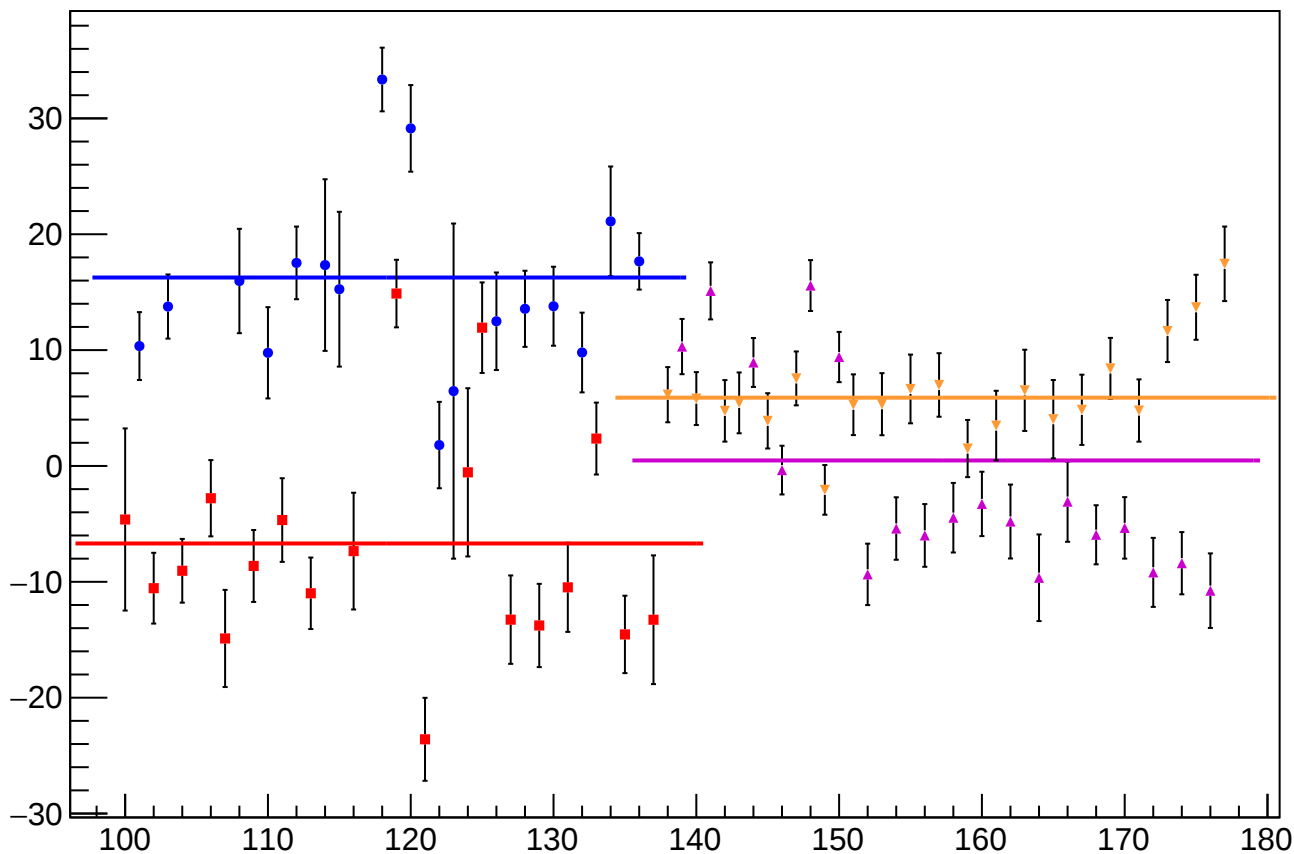
Left In: 2199.709 $\pm$ 0.417 χ^2 /NDF: 1018187.3/18

+ sign 2247.581 $\pm$ 0.340 χ^2 /NDF: 1216415.4/37

All: 2229.270 $\pm$ 0.241 χ^2 /NDF: 2389437.9/75

- sign 2210.820 $\pm$ 0.341 χ^2 /NDF: 1167202.7/37

diff_bpm0i01Y_mean vs Slug



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

Left Out: 5.894 ± 0.581 $\chi^2/\text{NDF}: 46.1/20$

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

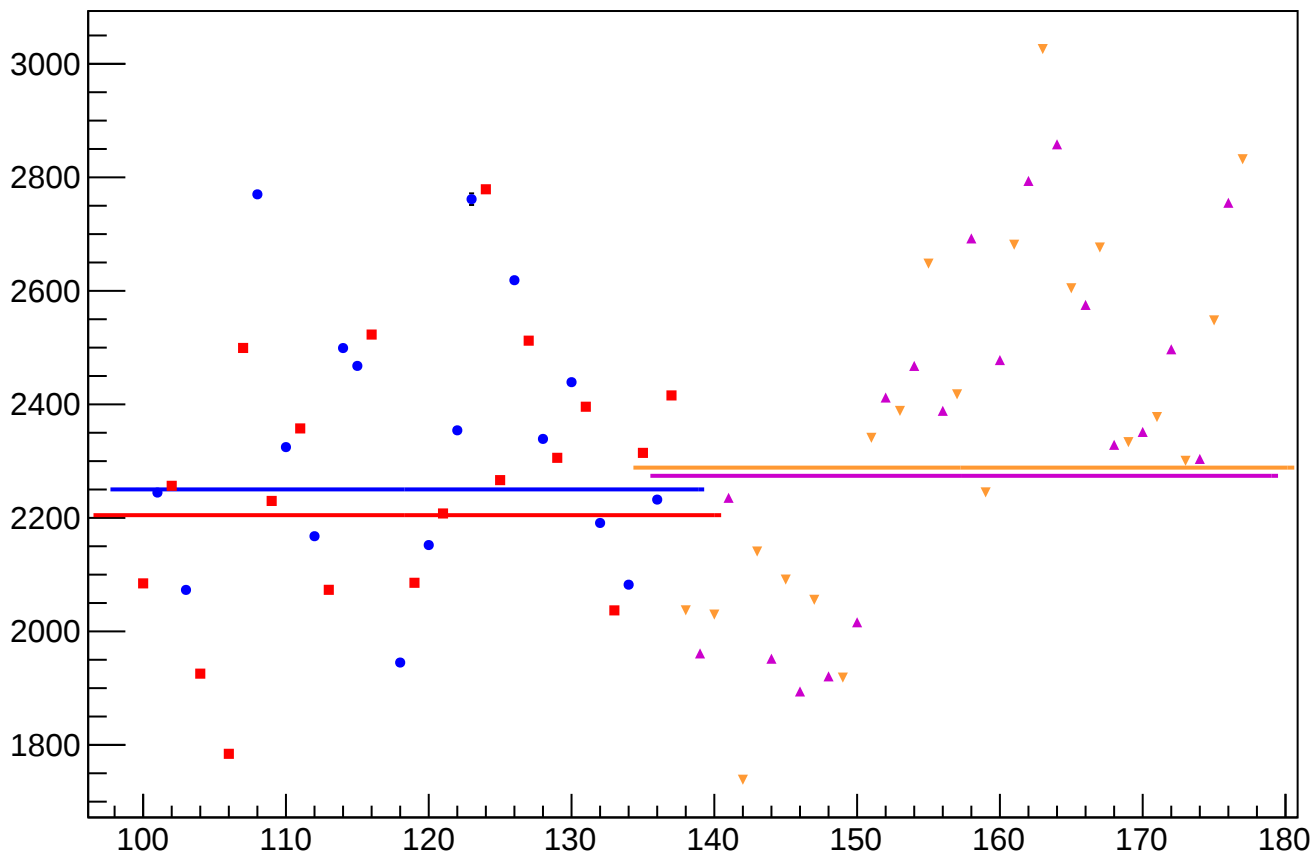
Left In: 0.474 ± 0.601 $\chi^2/\text{NDF}: 217.3/18$

+ sign 9.085 ± 0.483 $\chi^2/\text{NDF}: 225.0/37$

All: 3.590 ± 0.343 $\chi^2/\text{NDF}: 885.5/75$

- sign -1.989 ± 0.487 $\chi^2/\text{NDF}: 400.1/37$

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2288.563+/-0.411 χ^2/NDF : 521237.1/20

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

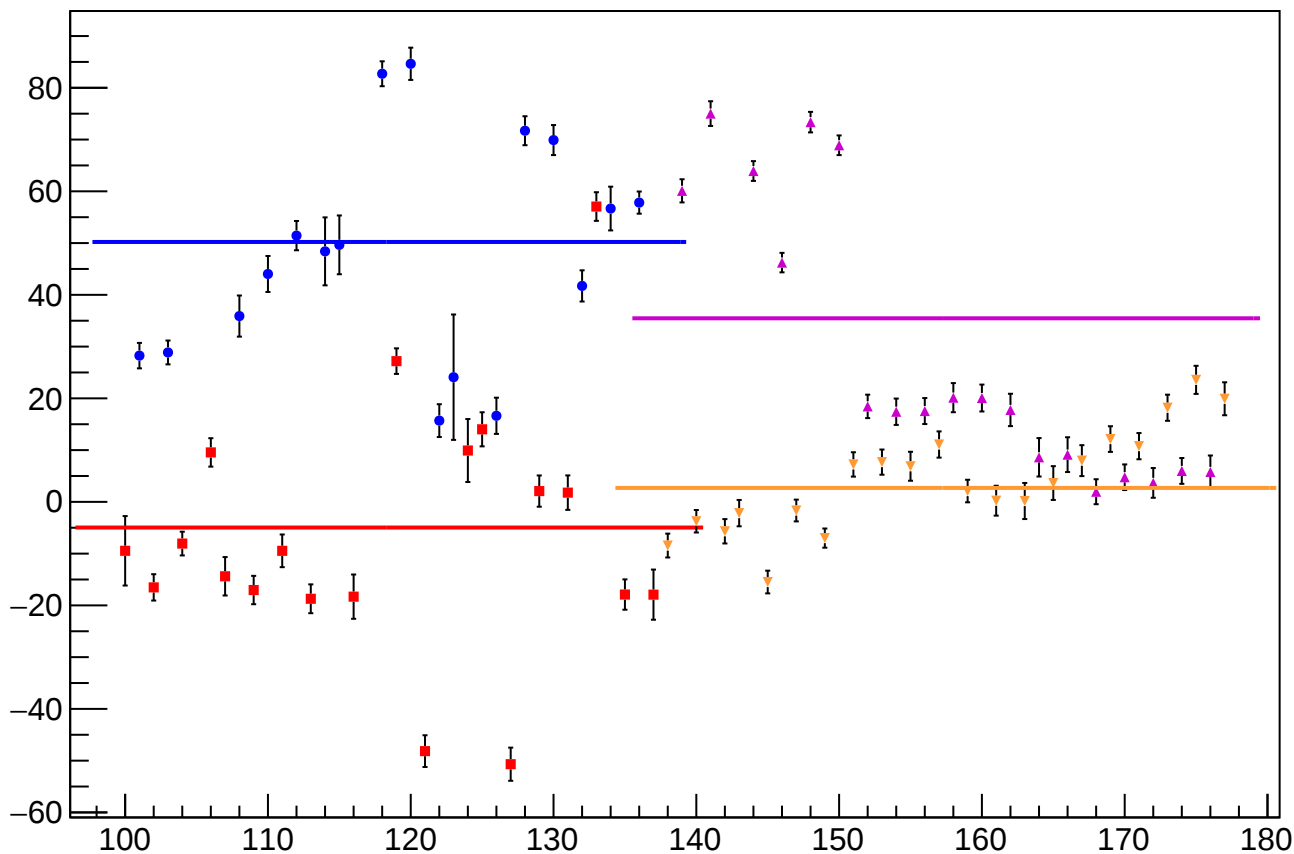
Left In: 2274.123+/-0.425 χ^2/NDF : 471617.8/18

+ sign 2276.750+/-0.342 χ^2/NDF : 621501.5/37

All: 2263.618+/-0.243 χ^2/NDF : 1231462.3/75

- sign 2250.285+/-0.344 χ^2/NDF : 606986.6/37

diff_bpm0i01aX_mean vs Slug



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

Left Out: 2.693 $\pm$ 0.541 χ^2 /NDF: 325.2/20

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

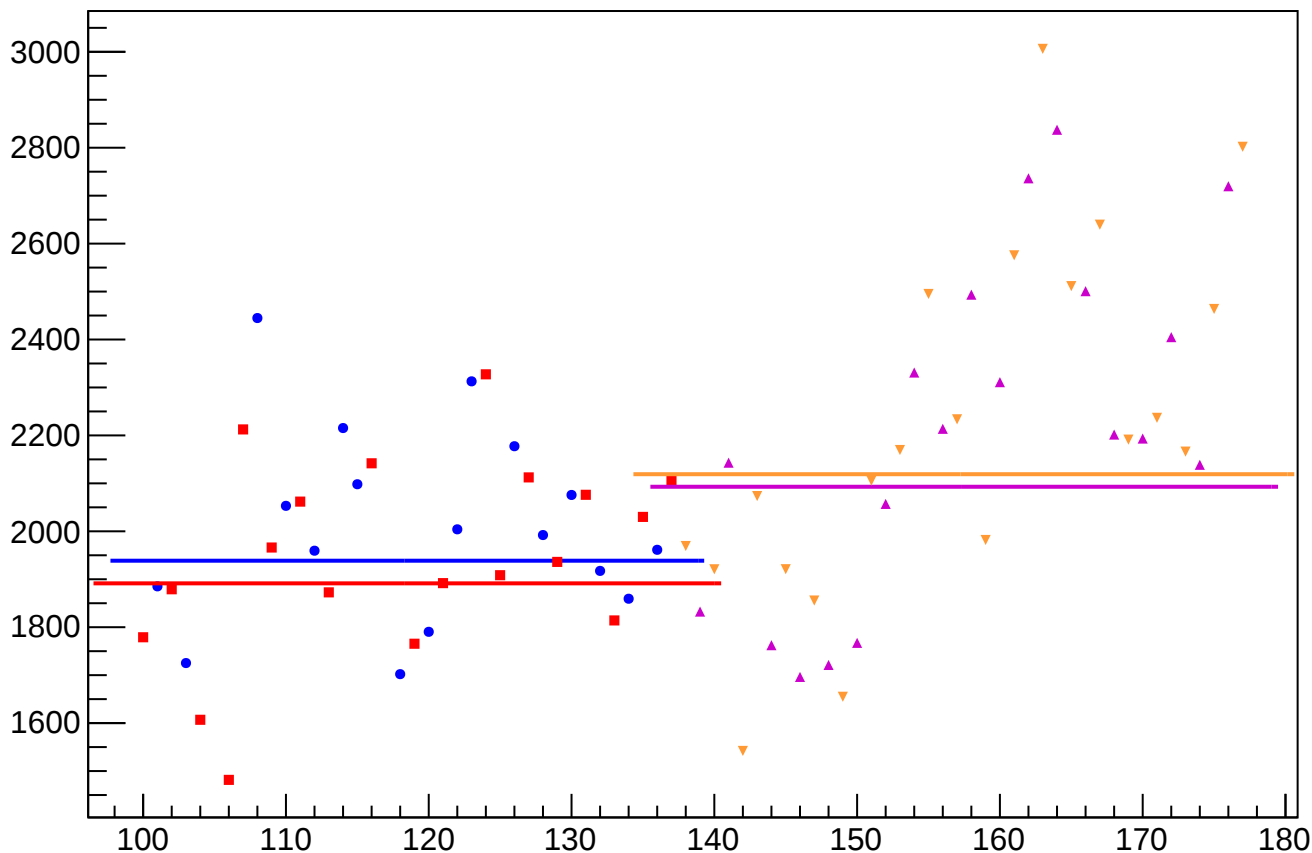
Left In: 35.466 $\pm$ 0.557 χ^2 /NDF: 2389.1/18

+ sign 18.918 $\pm$ 0.439 χ^2 /NDF: 3794.1/37

All: 19.538 $\pm$ 0.310 χ^2 /NDF: 9444.7/75

- sign 20.159 $\pm$ 0.439 χ^2 /NDF: 5646.6/37

diff_bpm0i01aX_rms vs Slug



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

Left Out: 2119.092+/-0.382 χ^2/NDF : 768426.8/20

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

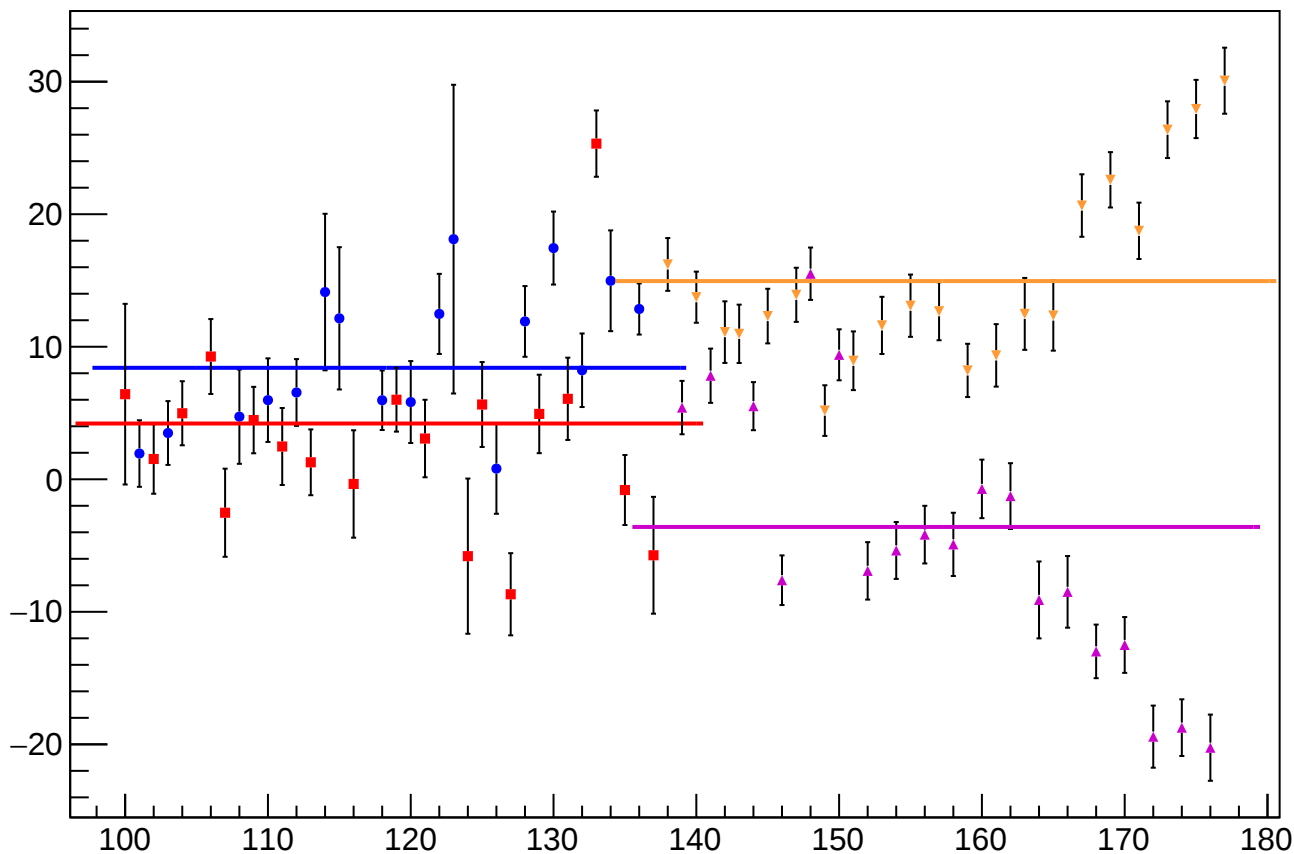
Left In: 2092.917+/-0.394 χ^2/NDF : 686699.1/18

+ sign 2057.500+/-0.310 χ^2/NDF : 944621.5/37

All: 2037.083+/-0.219 χ^2/NDF : 1885703.5/75

- sign 2016.637+/-0.310 χ^2/NDF : 932411.3/37

diff_bpm0i01aY_mean vs Slug



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

Left Out: 14.955 ± 0.477 χ^2/NDF : 187.7/20

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

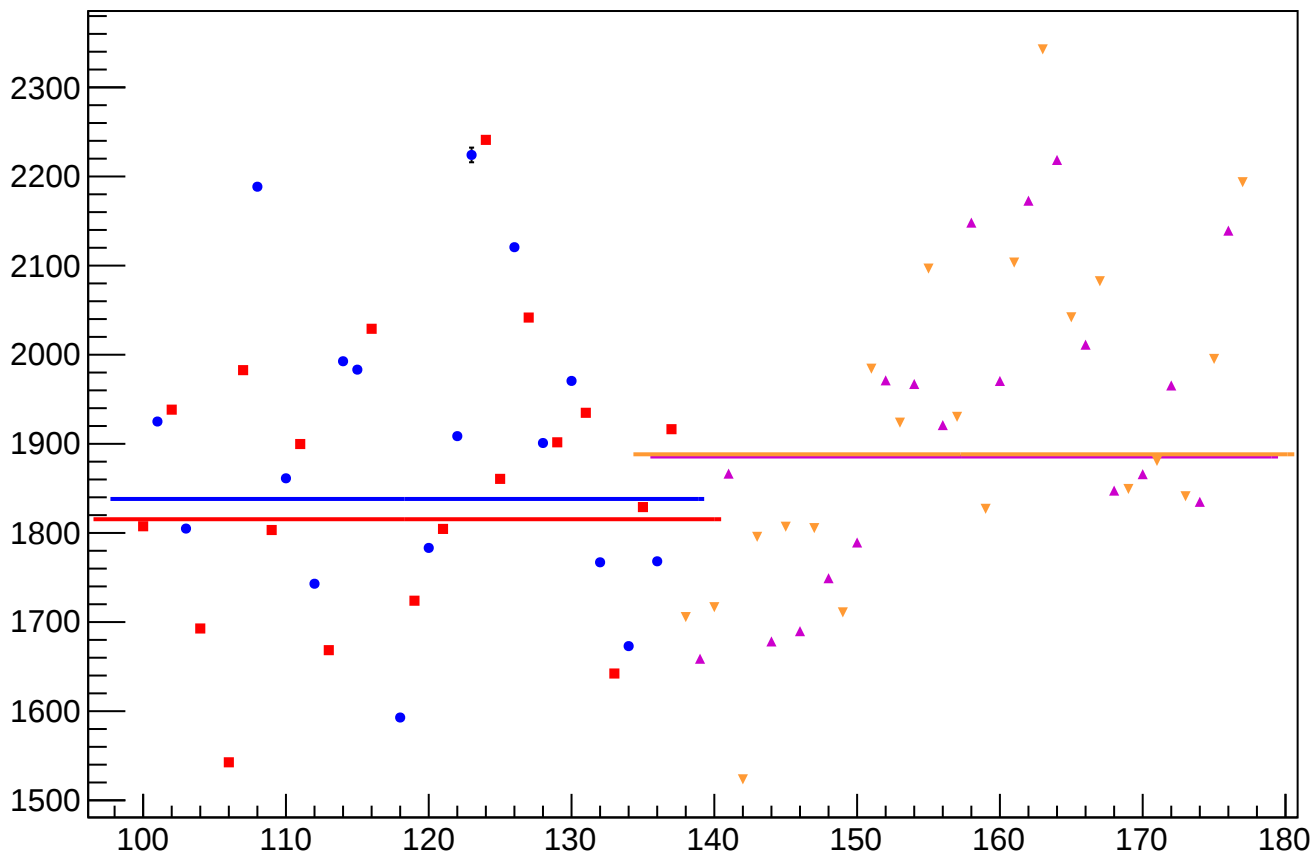
Left In: -3.597 ± 0.496 χ^2/NDF : 412.5/18

+ sign 12.924 ± 0.396 χ^2/NDF : 290.7/37

All: 6.094 ± 0.282 χ^2/NDF : 1503.4/75

- sign -0.901 ± 0.401 χ^2/NDF : 611.2/37

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1888.254 $\pm$ 0.337 χ^2 /NDF: 261235.6/20

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

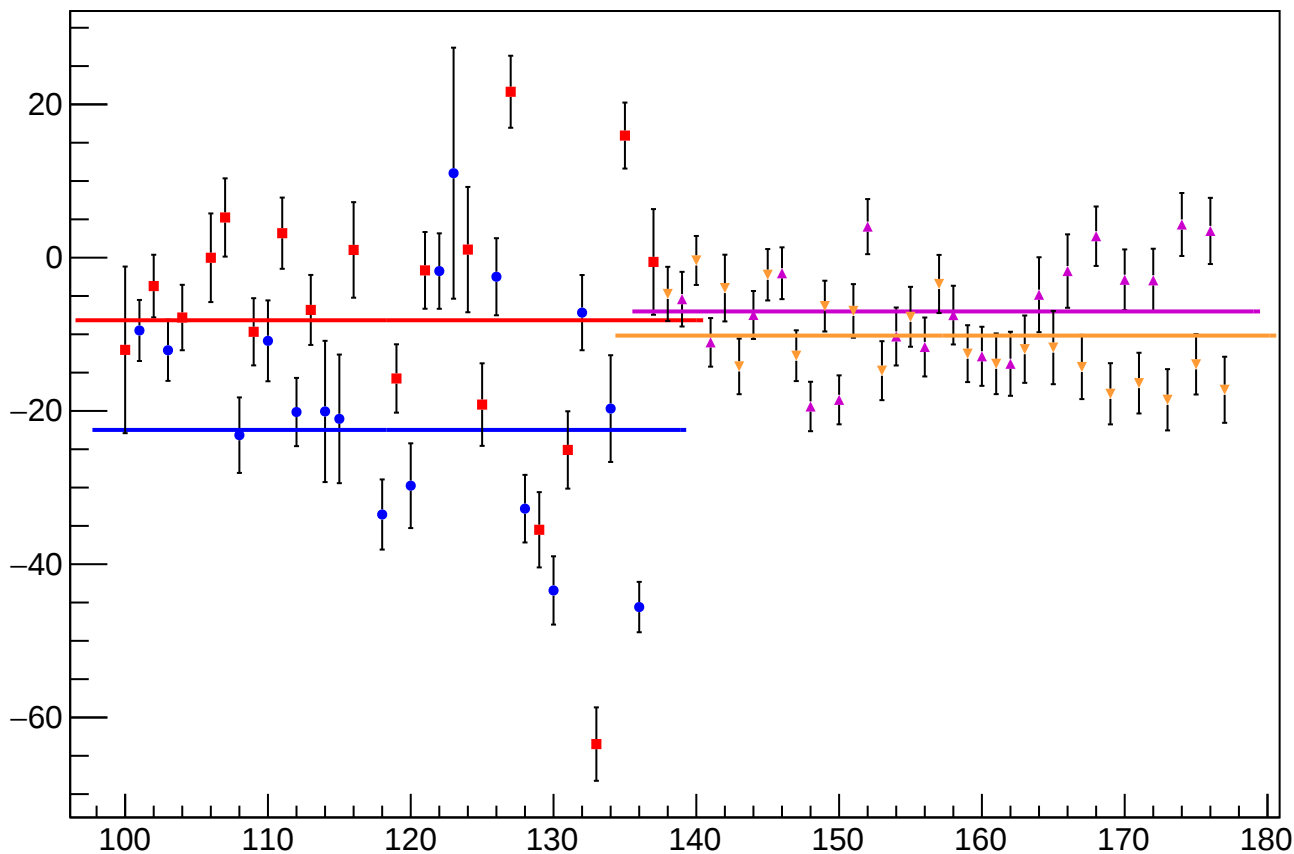
Left In: 1885.755 $\pm$ 0.350 χ^2 /NDF: 204163.1/18

+ sign 1872.703 $\pm$ 0.280 χ^2 /NDF: 350961.4/37

All: 1867.150 $\pm$ 0.199 χ^2 /NDF: 657255.9/75

- sign 1861.463 $\pm$ 0.284 χ^2 /NDF: 305499.5/37

diff_bpm0l01X_mean vs Slug



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

Left Out: -10.169 ± 0.828 χ^2/NDF : 45.0/20

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

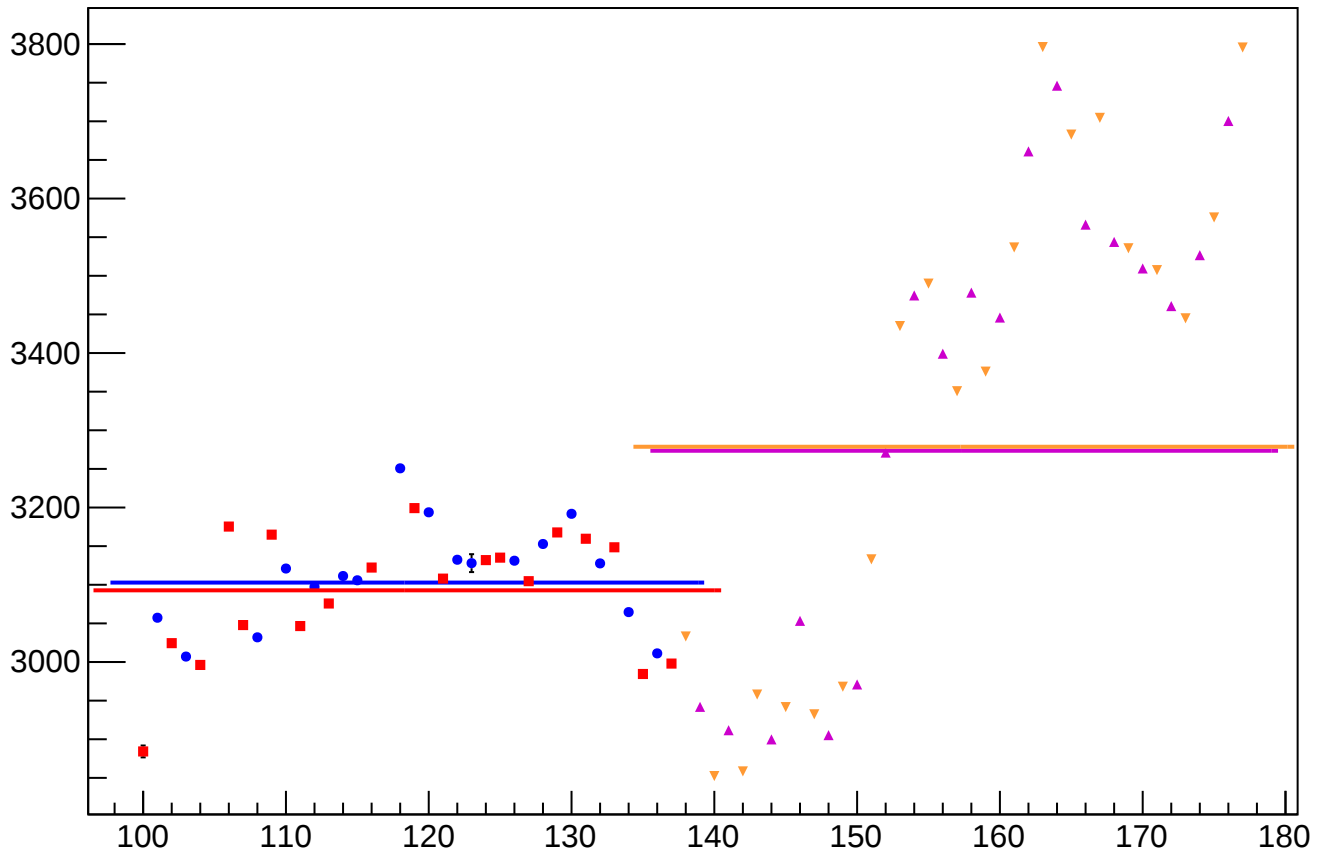
Left In: -7.018 ± 0.858 χ^2/NDF : 71.9/18

+ sign -14.163 ± 0.681 χ^2/NDF : 271.4/37

All: -10.838 ± 0.484 χ^2/NDF : 669.2/75

- sign -7.427 ± 0.689 χ^2/NDF : 349.5/37

diff_bpm0l01X_rms vs Slug



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

Left Out: 3278.684 $\pm$ 0.586 χ^2 /NDF: 283615.3/20

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

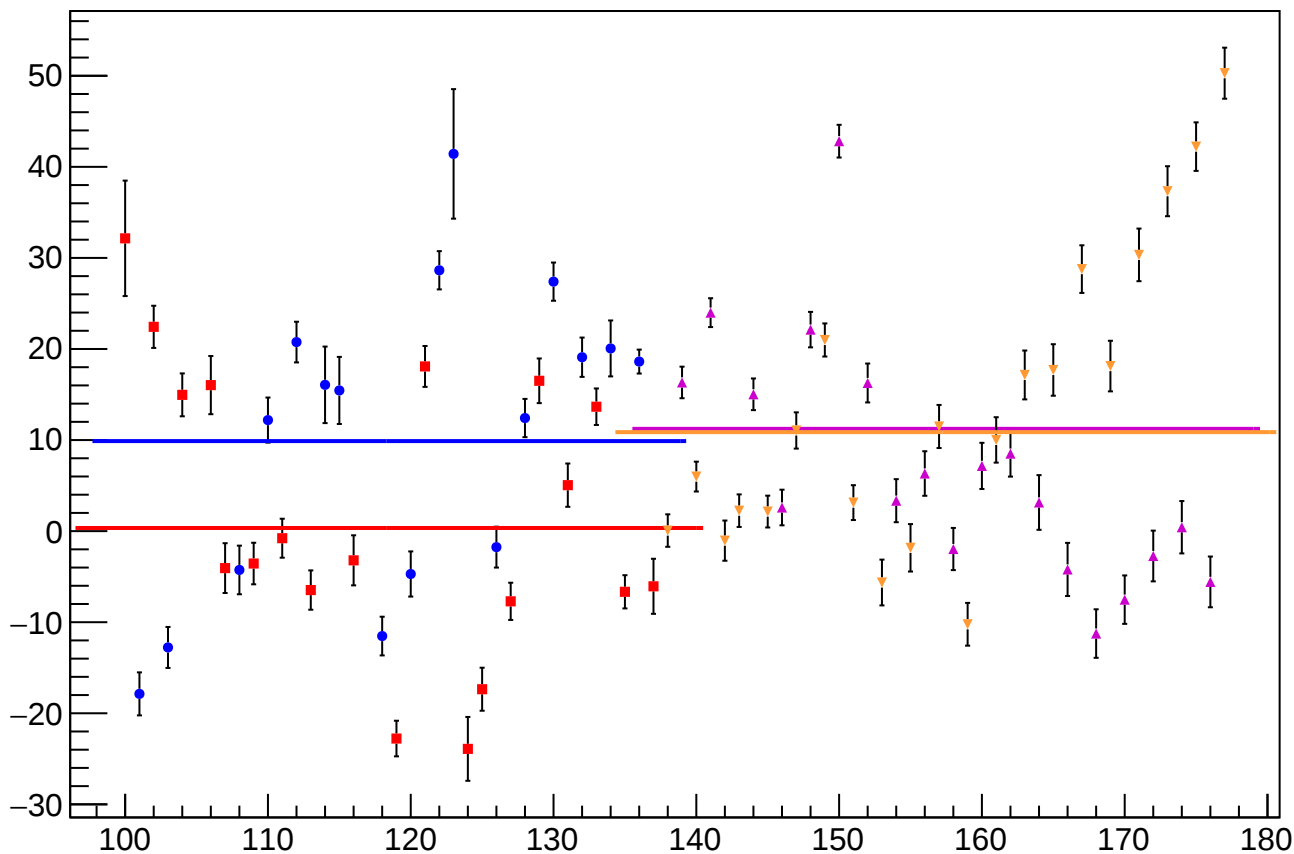
Left In: 3273.500 $\pm$ 0.607 χ^2 /NDF: 233315.9/18

+ sign 3221.626 $\pm$ 0.481 χ^2 /NDF: 320225.2/37

All: 3215.546 $\pm$ 0.342 χ^2 /NDF: 593110.5/75

- sign 3209.309 $\pm$ 0.487 χ^2 /NDF: 272561.9/37

diff_bpm0l01Y_mean vs Slug



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

Left Out: 10.871 ± 0.485 χ^2/NDF : 857.7/20

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

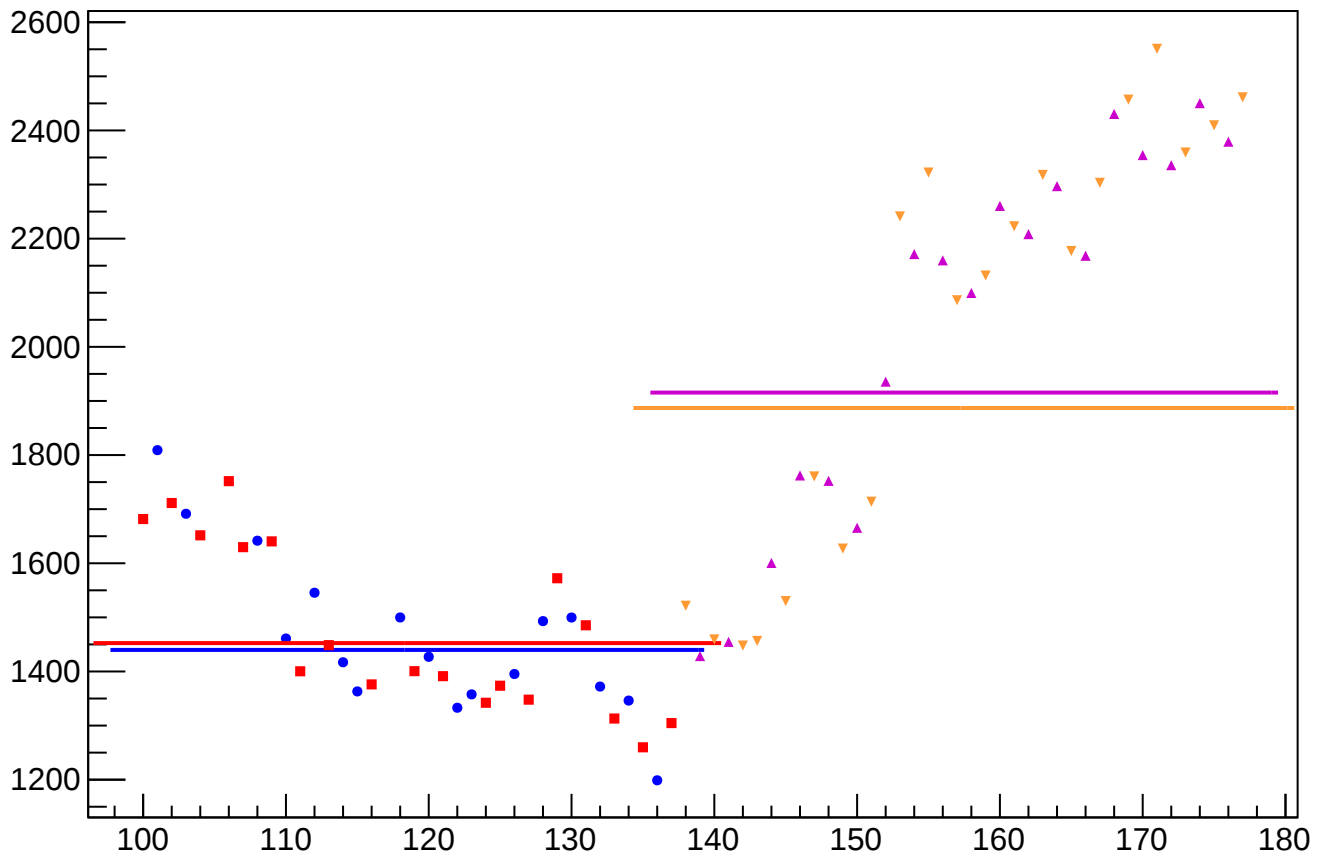
Left In: 11.231 ± 0.510 χ^2/NDF : 727.3/18

+ sign 10.449 ± 0.367 χ^2/NDF : 1563.1/37

All: 8.347 ± 0.261 χ^2/NDF : 3198.3/75

- sign 6.173 ± 0.373 χ^2/NDF : 1568.3/37

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1887.012 $\pm$ 0.343 χ^2 /NDF: 1265185.1/20

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

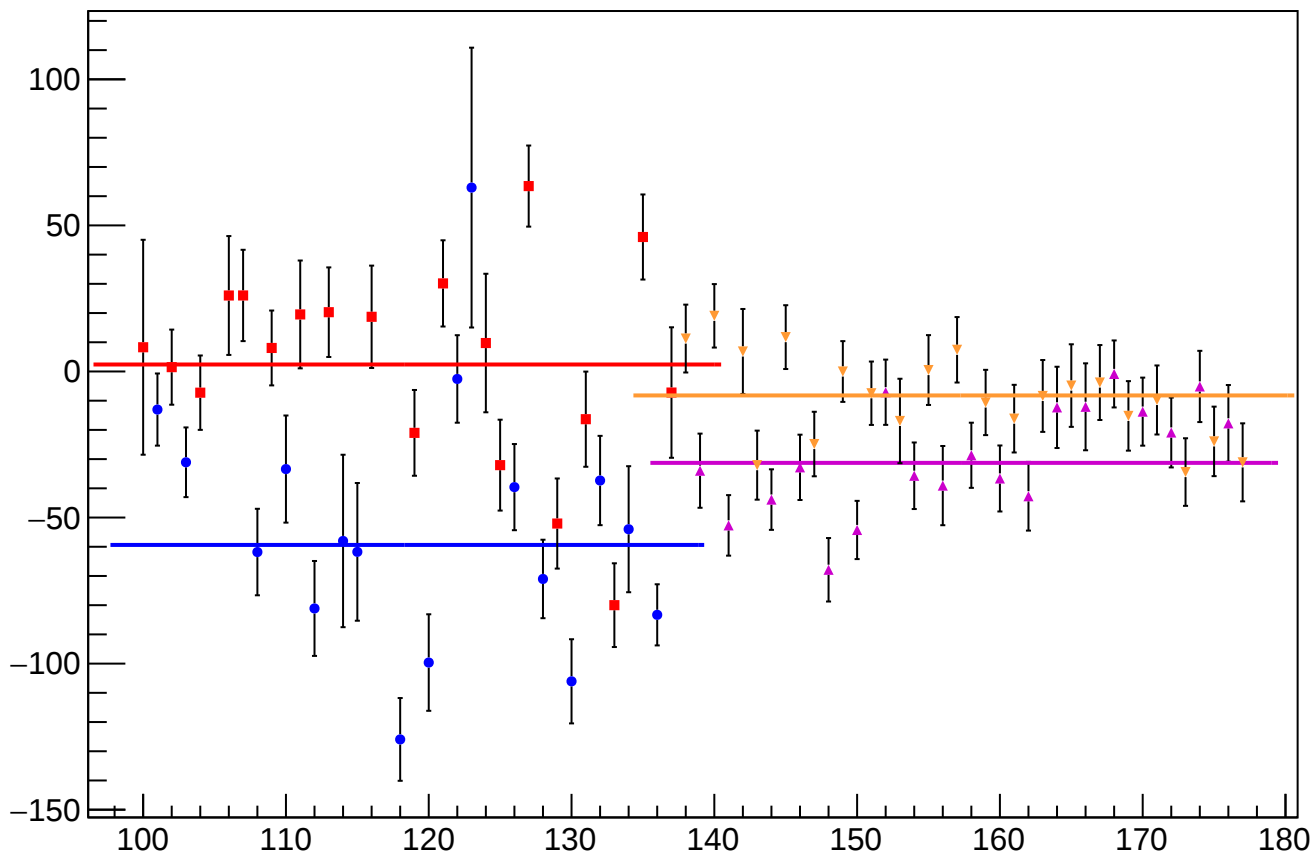
Left In: 1915.487 $\pm$ 0.360 χ^2 /NDF: 924814.5/18

+ sign 1695.067 $\pm$ 0.259 χ^2 /NDF: 2167290.5/37

All: 1697.642 $\pm$ 0.185 χ^2 /NDF: 3998282.9/75

- sign 1700.306 $\pm$ 0.264 χ^2 /NDF: 1830791.5/37

diff_bpm0l02X_mean vs Slug



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

Left Out: -8.202 ± 2.587 χ^2/NDF : 34.2/20

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

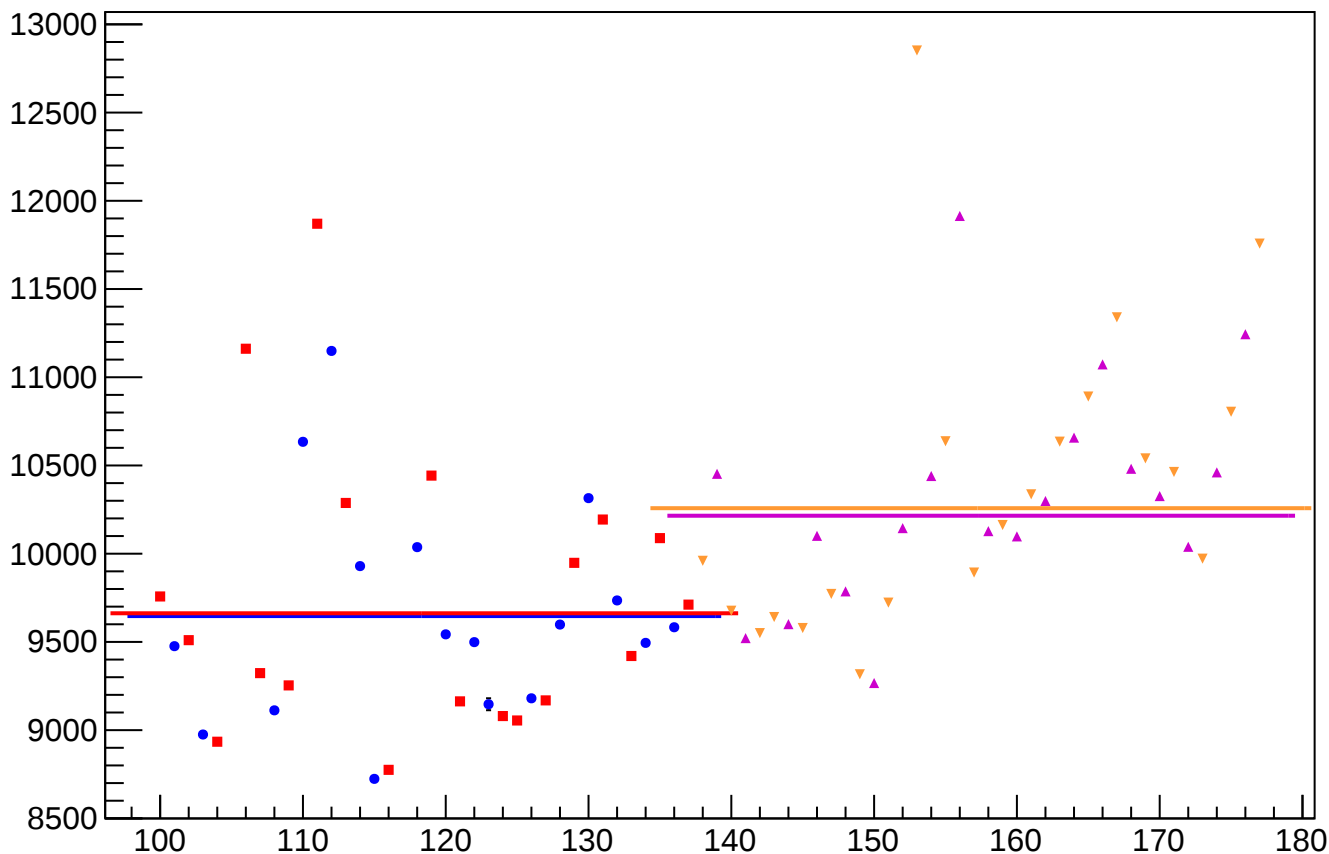
Left In: -31.285 ± 2.674 χ^2/NDF : 48.1/18

+ sign -24.831 ± 2.126 χ^2/NDF : 254.2/37

All: -22.169 ± 1.513 χ^2/NDF : 455.3/75

- sign -19.438 ± 2.153 χ^2/NDF : 197.8/37

diff_bpm0l02X_rms vs Slug



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

Left Out: 10257.919+/-1.829 χ^2/NDF : 171432.2/20

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

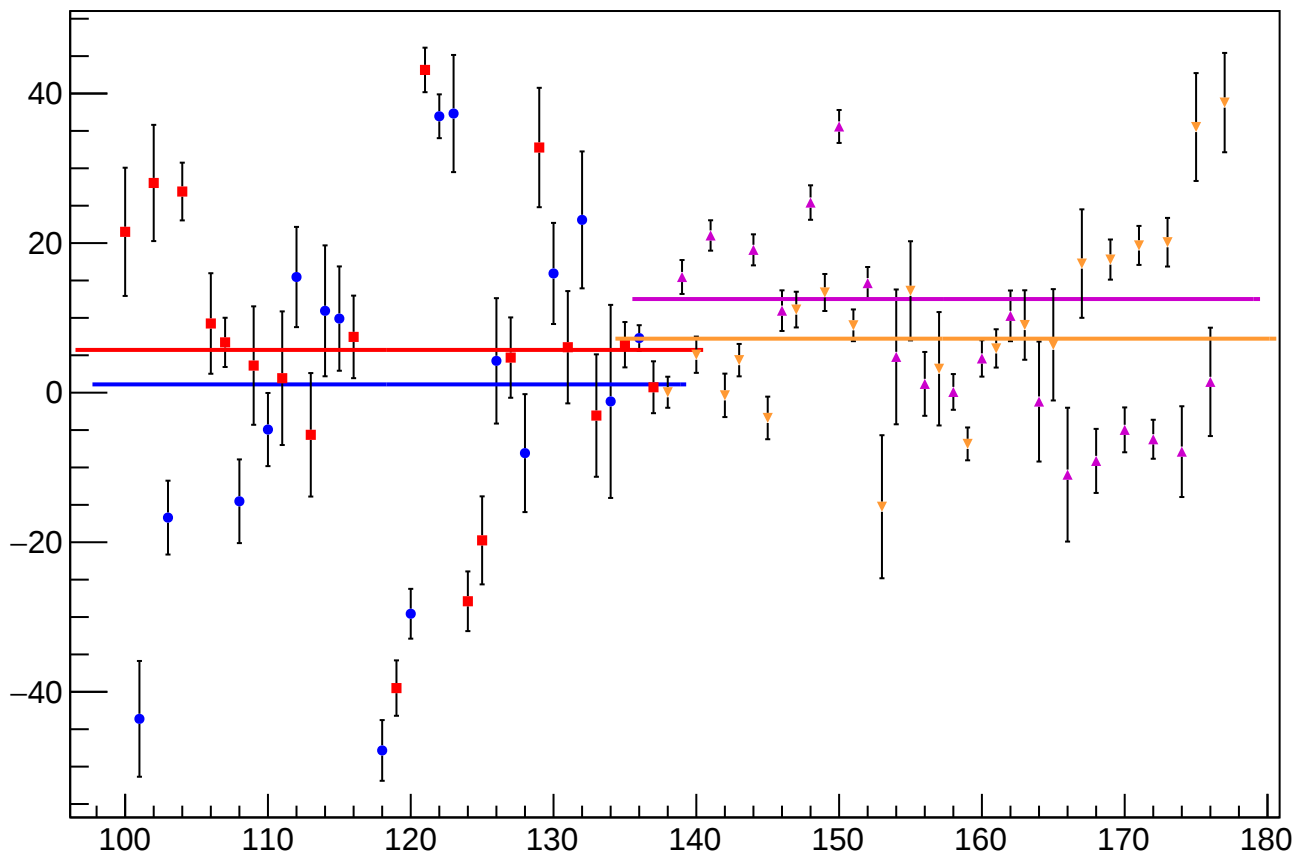
Left In: 10215.212+/-1.891 χ^2/NDF : 94279.8/18

+ sign 10059.225+/-1.503 χ^2/NDF : 251793.7/37

All: 10040.214+/-1.070 χ^2/NDF : 454056.7/75

- sign 10020.712+/-1.522 χ^2/NDF : 201938.9/37

diff_bpm0l02Y_mean vs Slug



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

Left Out: 7.221 ± 0.654 χ^2/NDF : 186.9/20

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

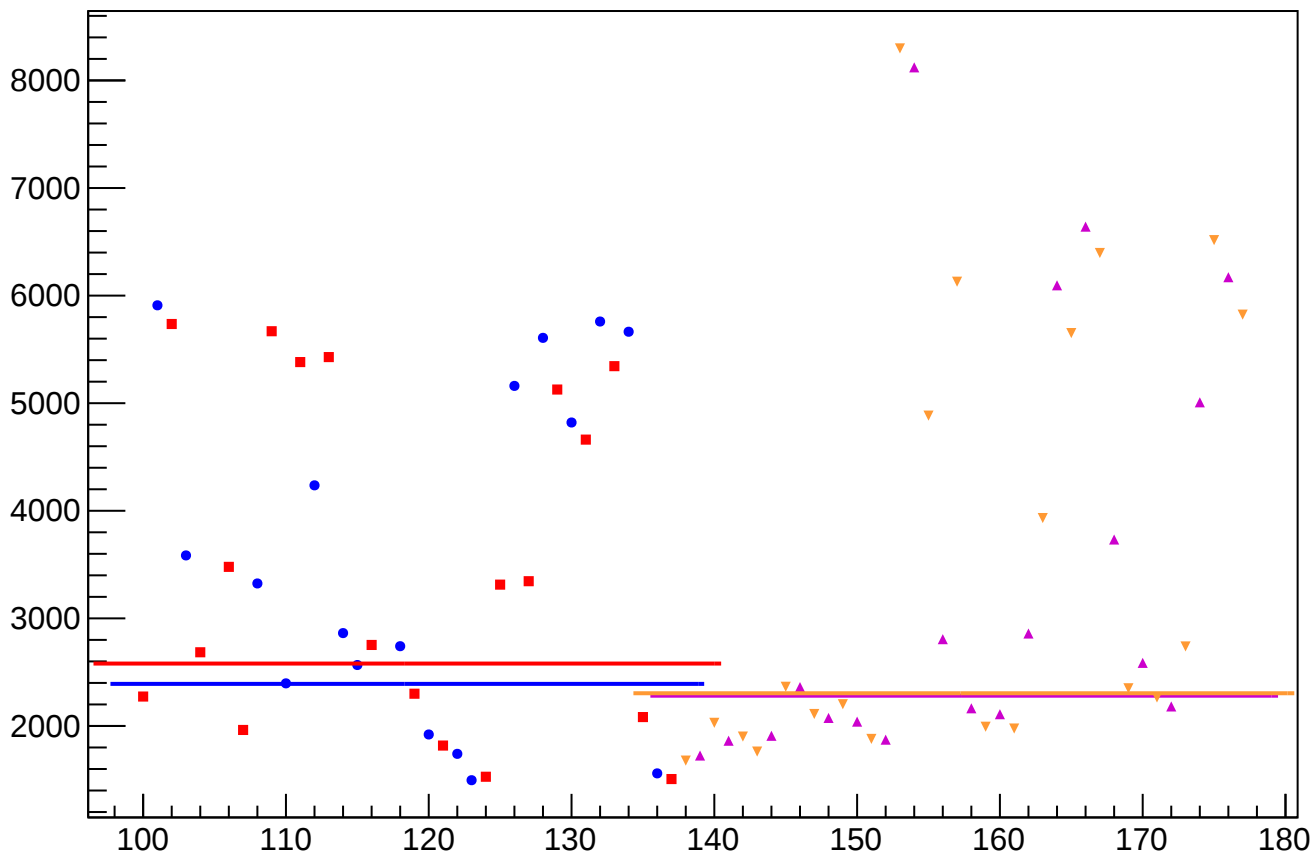
Left In: 12.520 ± 0.659 χ^2/NDF : 352.2/18

+ sign 5.548 ± 0.558 χ^2/NDF : 700.5/37

All: 8.093 ± 0.397 χ^2/NDF : 1579.3/75

- sign 10.699 ± 0.564 χ^2/NDF : 836.7/37

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2304.074+/-0.463 χ^2/NDF : 4706163.0/20

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

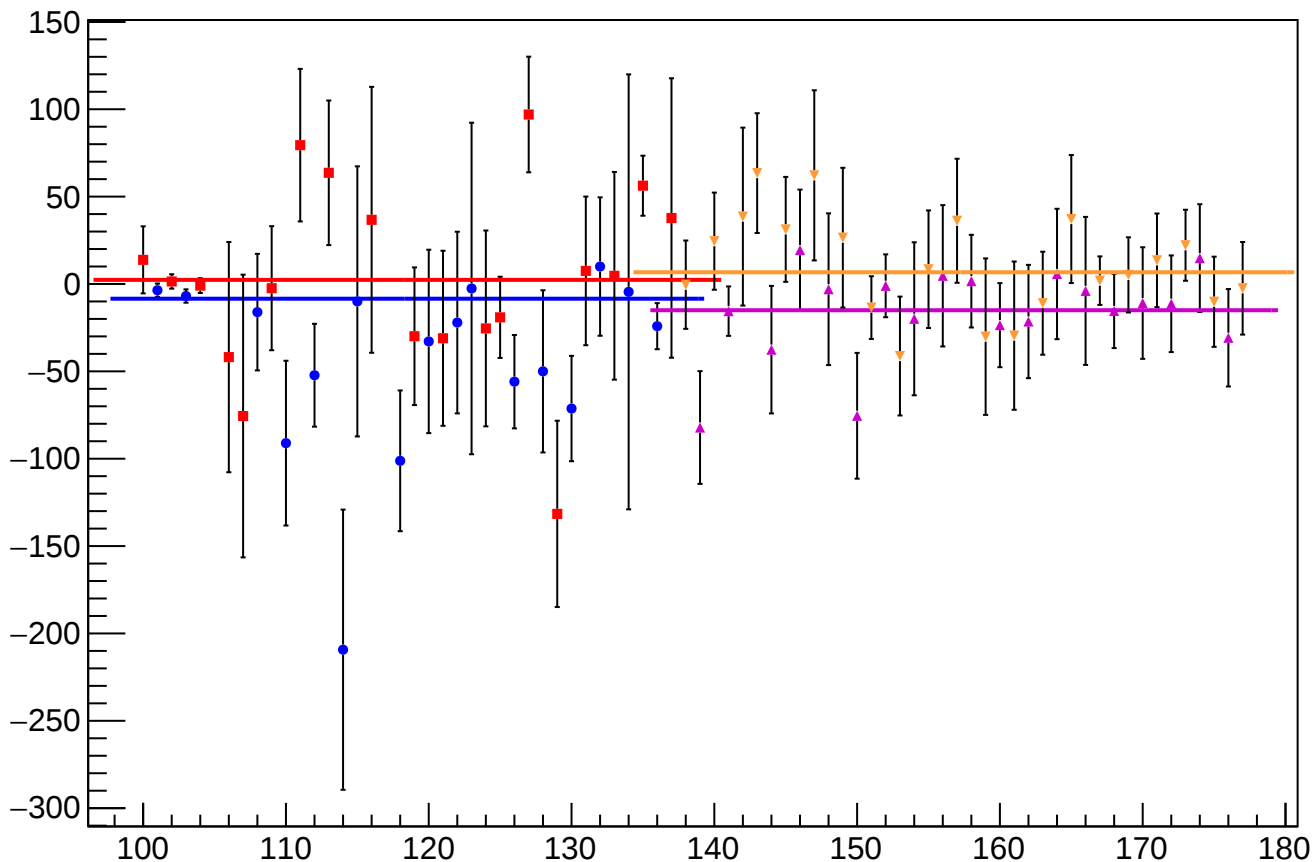
Left In: 2281.385+/-0.466 χ^2/NDF : 3486652.3/18

+ sign 2327.899+/-0.394 χ^2/NDF : 7316398.4/37

All: 2344.400+/-0.281 χ^2/NDF : 13281613.2/7

- sign 2361.292+/-0.399 χ^2/NDF : 5961673.1/37

diff_bpm0l03X_mean vs Slug



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

Left Out: 6.716 ± 5.878 χ^2/NDF : 13.6/20

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

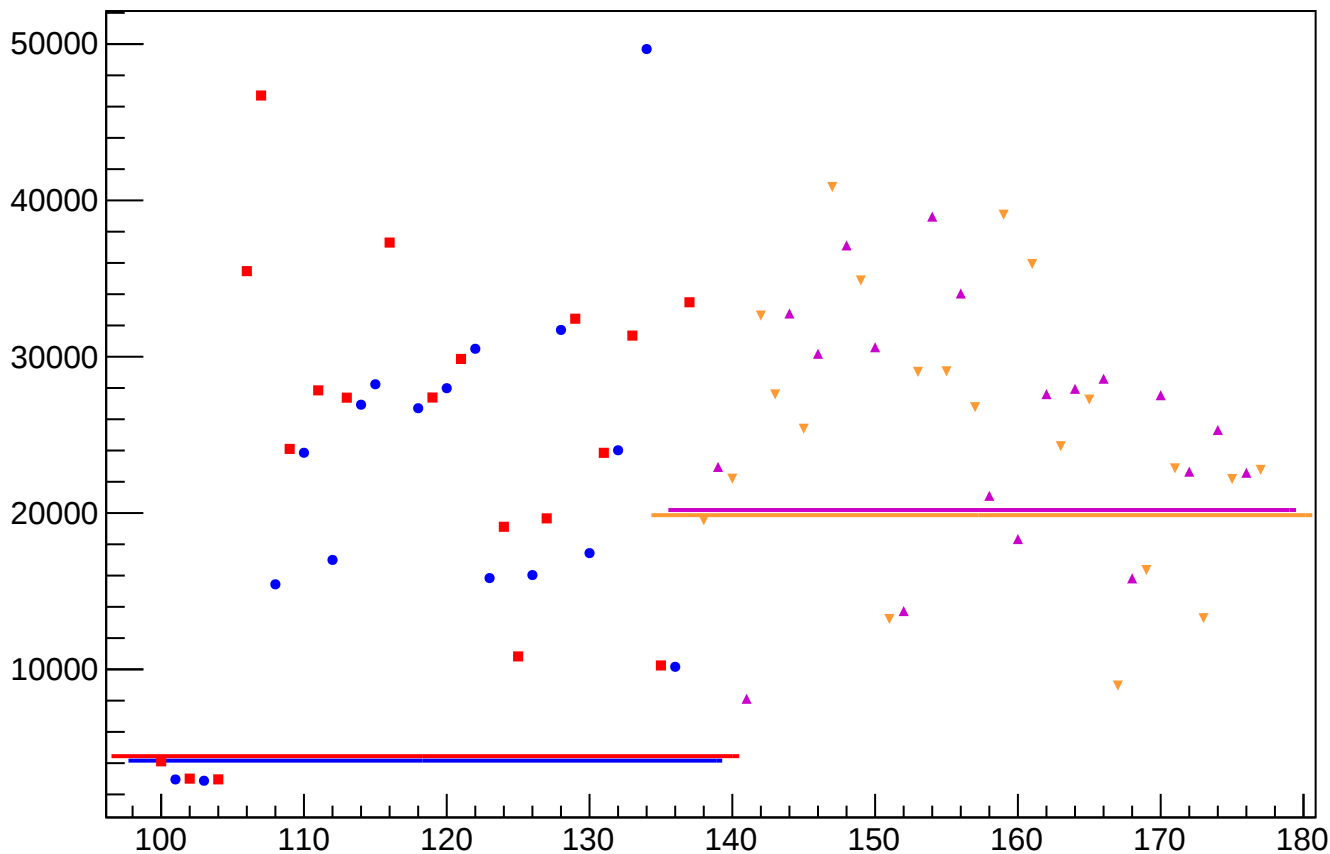
Left In: -15.021 ± 6.289 χ^2/NDF : 11.7/18

+ sign -5.972 ± 2.368 χ^2/NDF : 48.0/37

All: -3.437 ± 1.735 χ^2/NDF : 103.2/75

- sign -0.503 ± 2.548 χ^2/NDF : 52.7/37

diff_bpm0l03X_rms vs Slug



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

Left Out: 19864.263+/-4.156 χ^2/NDF : 3952504.8/20

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

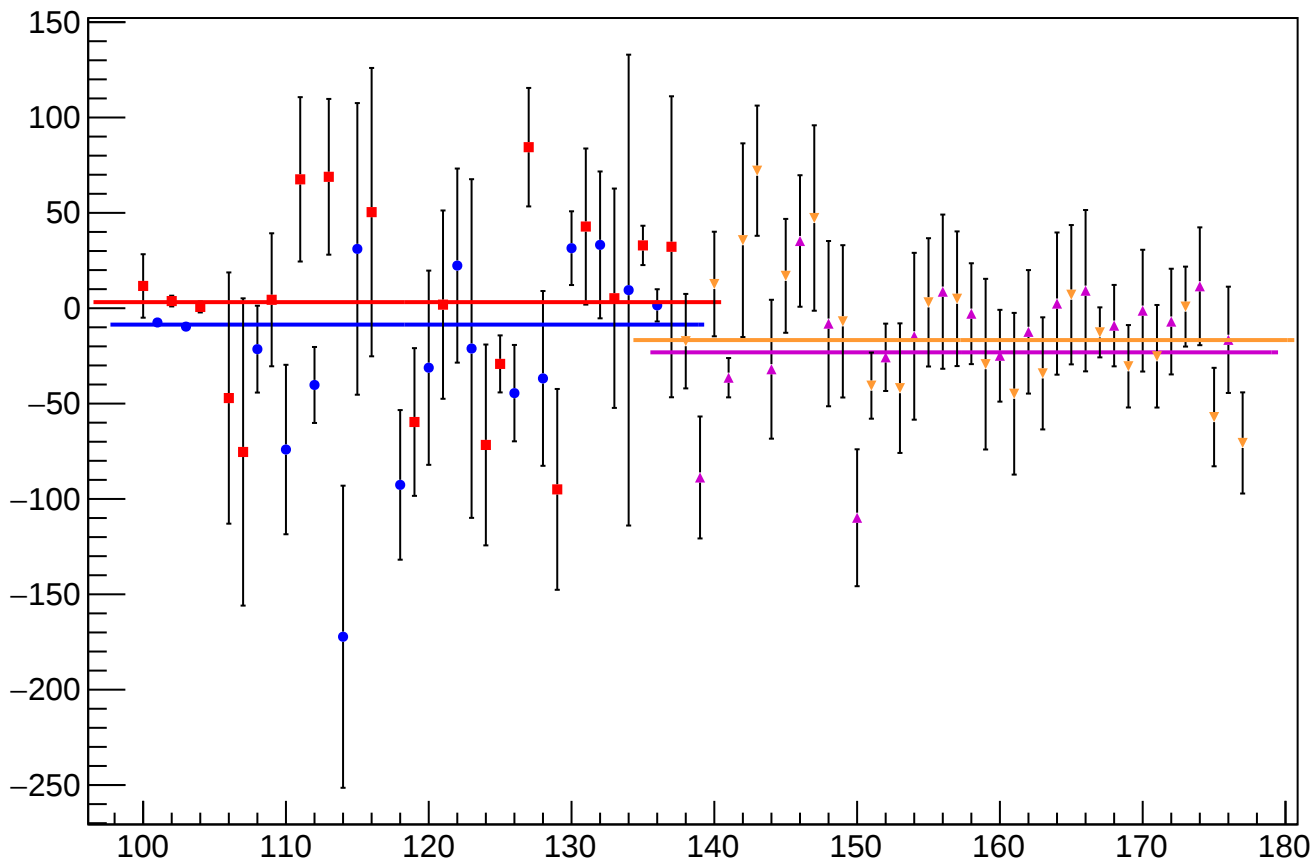
Left In: 20193.657+/-4.447 χ^2/NDF : 3767687.5/18

+ sign 6711.119+/-1.675 χ^2/NDF : 21898535.9/37

All: 6859.756+/-1.227 χ^2/NDF : 43591136.6/7

- sign 7031.811+/-1.802 χ^2/NDF : 21675601.3/37

diff_bpm0l03Y_mean vs Slug



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

Left Out: -16.696 ± 5.797 χ^2/NDF : 24.4/20

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

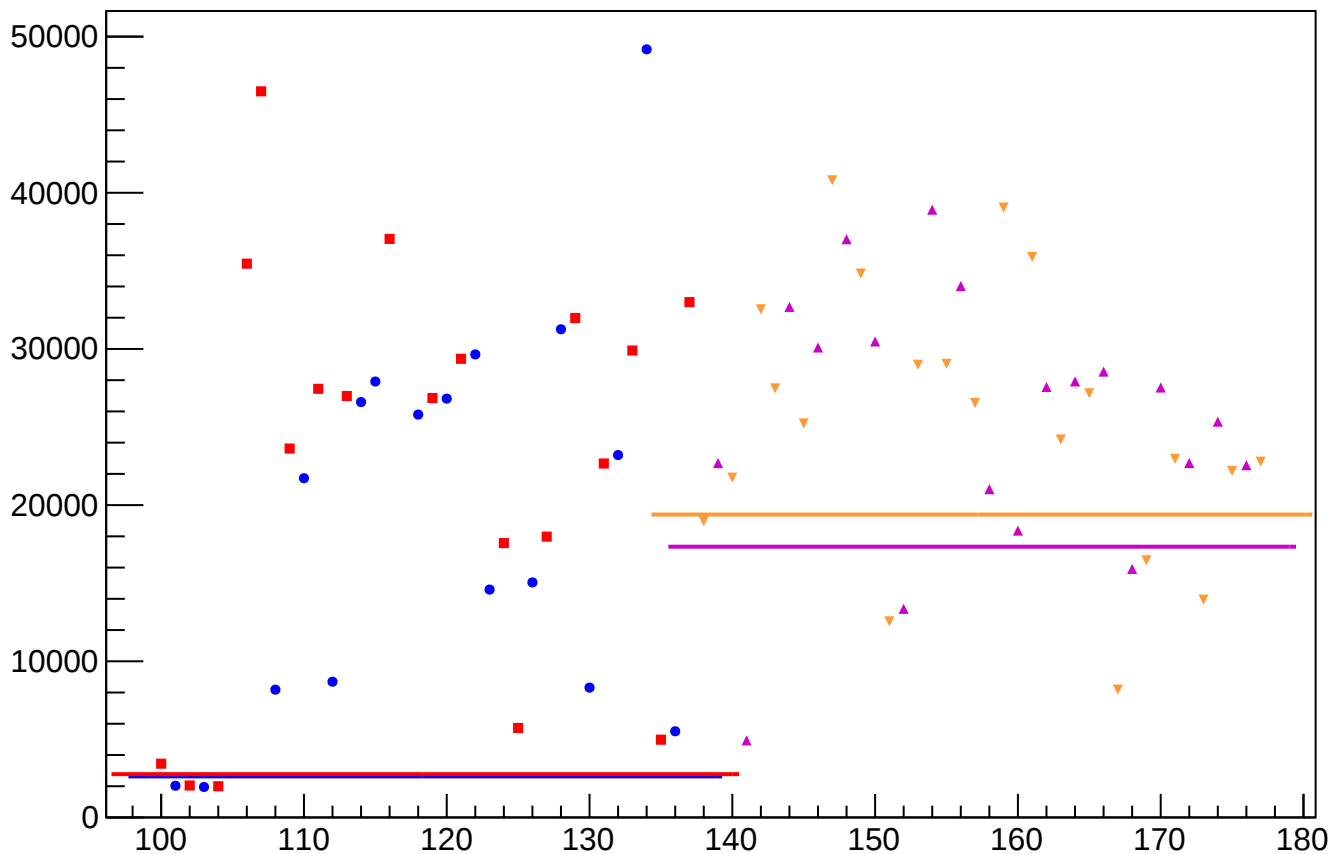
Left In: -23.129 ± 5.790 χ^2/NDF : 19.7/18

+ sign -9.284 ± 1.700 χ^2/NDF : 50.6/37

All: -4.700 ± 1.244 χ^2/NDF : 141.5/75

- sign 0.580 ± 1.824 χ^2/NDF : 75.2/37

diff_bpm0l03Y_rms vs Slug



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

Left Out: 19396.285 $\pm$ 4.099 χ^2 /NDF: 4298496.2/20

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

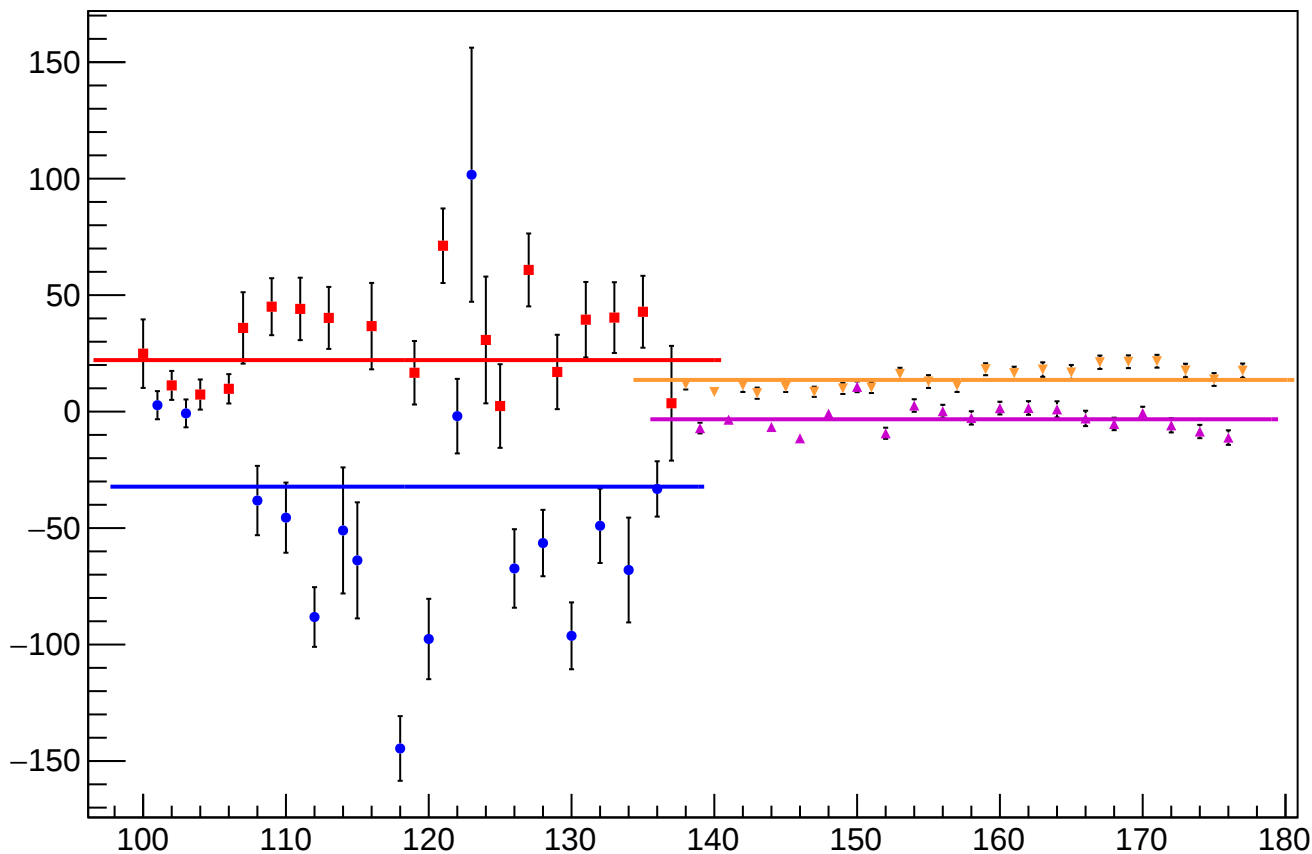
Left In: 17337.693 $\pm$ 4.094 χ^2 /NDF: 6224724.6/18

+ sign 4071.909 $\pm$ 1.202 χ^2 /NDF: 25180144.7/37

All: 4140.483 $\pm$ 0.879 χ^2 /NDF: 50647228.3/7

- sign 4219.487 $\pm$ 1.290 χ^2 /NDF: 25460077.1/37

diff_bpm0l04X_mean vs Slug



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

Left Out: 13.601 ± 0.567 χ^2/NDF : 60.5/20

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

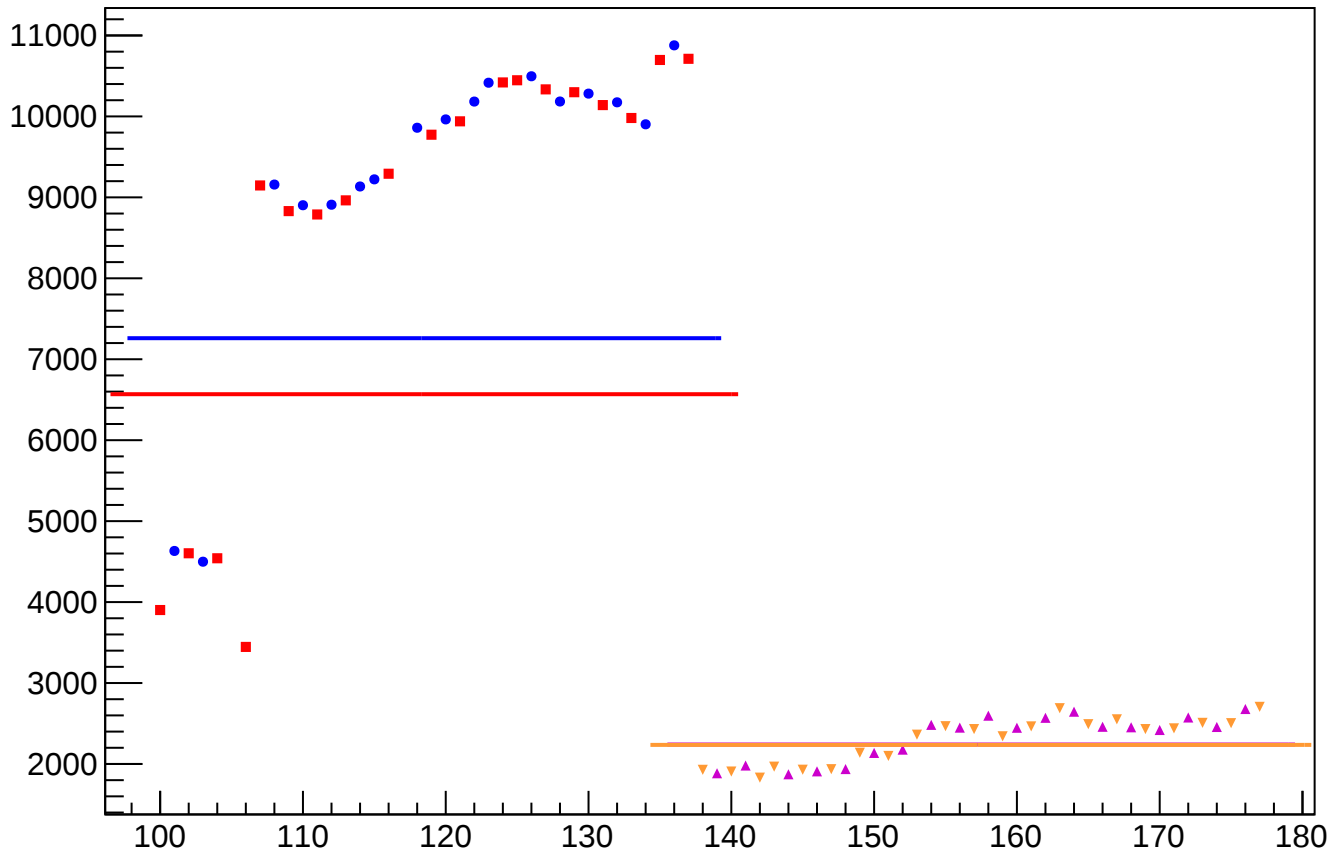
Left In: -3.295 ± 0.590 χ^2/NDF : 90.2/18

+ sign 12.004 ± 0.557 χ^2/NDF : 492.2/37

All: 5.193 ± 0.400 χ^2/NDF : 1022.8/75

- sign -2.111 ± 0.576 χ^2/NDF : 220.3/37

diff_bpm0l04X_rms vs Slug



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

Left Out: 2235.750 $\pm$ 0.401 χ^2 /NDF: 467150.5/20

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

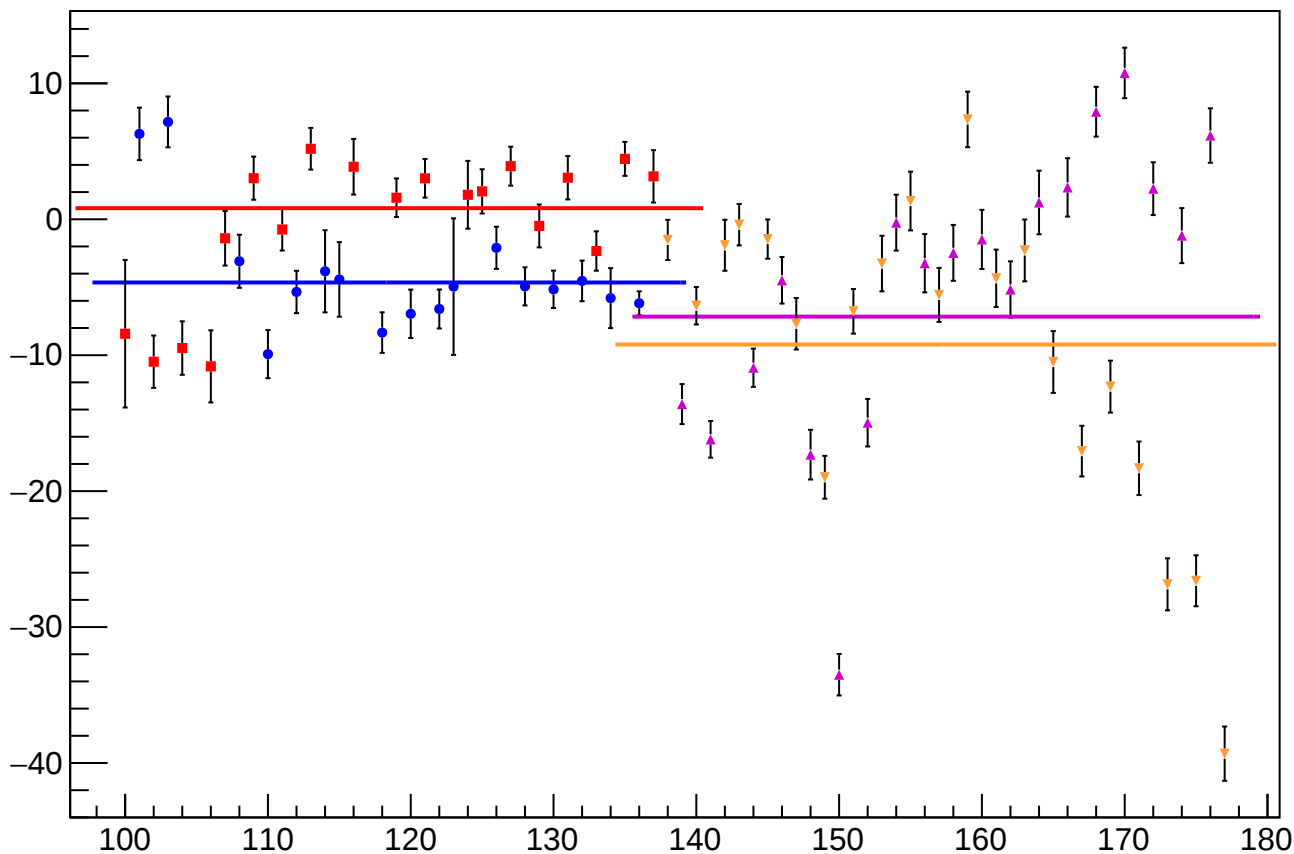
Left In: 2240.429 $\pm$ 0.417 χ^2 /NDF: 464816.4/18

+ sign 2410.841 $\pm$ 0.394 χ^2 /NDF: 7585560.1/37

All: 2425.956 $\pm$ 0.283 χ^2 /NDF: 15262159.7/7

- sign 2442.162 $\pm$ 0.408 χ^2 /NDF: 7673542.9/37

diff_bpm0l04Y_mean vs Slug



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

Left Out: -9.213 ± 0.395 χ^2/NDF : 706.6/20

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

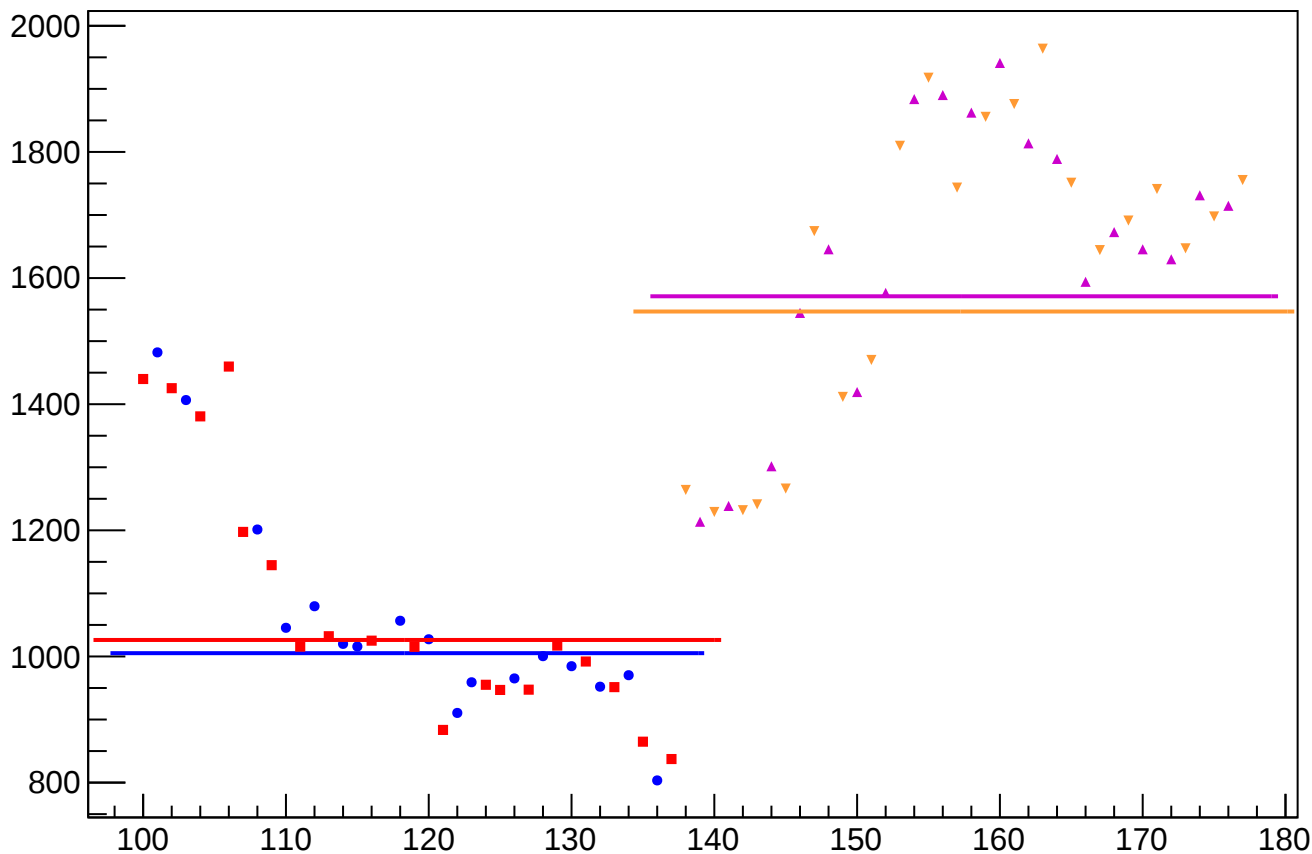
Left In: -7.162 ± 0.415 χ^2/NDF : 719.3/18

+ sign -6.920 ± 0.278 χ^2/NDF : 871.4/37

All: -4.952 ± 0.199 χ^2/NDF : 2012.9/75

- sign -2.906 ± 0.284 χ^2/NDF : 1039.6/37

diff_bpm0l04Y_rms vs Slug



Right In: 1005.227 ± 0.278 $\chi^2/\text{NDF}: 361954.2/16$

Left Out: 1546.976 ± 0.279 $\chi^2/\text{NDF}: 786188.4/20$

Right Out: 1026.158 ± 0.275 $\chi^2/\text{NDF}: 333119.0/18$

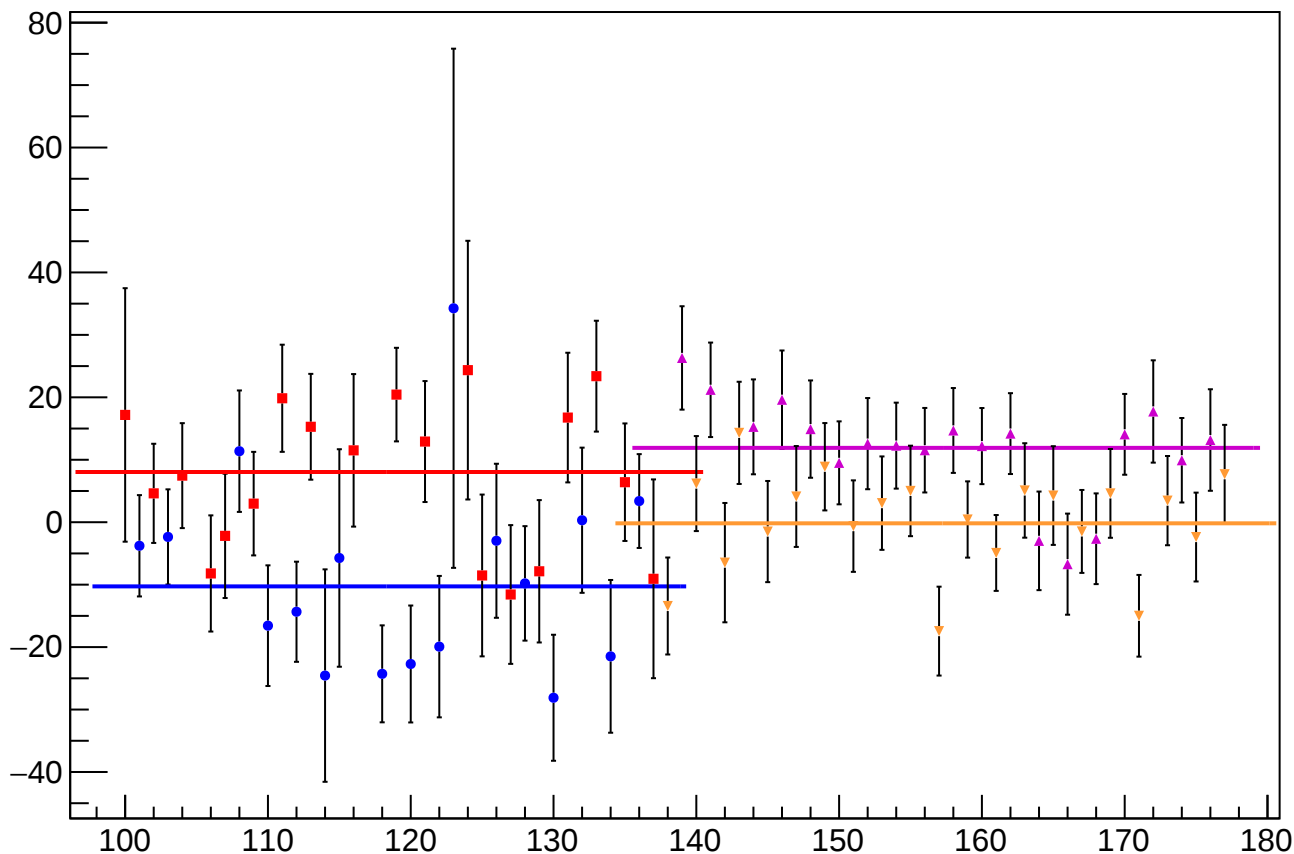
Left In: 1571.116 ± 0.294 $\chi^2/\text{NDF}: 604017.0/18$

+ sign 1274.689 ± 0.197 $\chi^2/\text{NDF}: 3042080.4/37$

All: 1277.481 ± 0.141 $\chi^2/\text{NDF}: 5815431.7/75$

- sign 1280.382 ± 0.201 $\chi^2/\text{NDF}: 2772941.1/37$

diff_bpm0l05X_mean vs Slug



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

Left Out: -0.177 ± 1.592 χ^2/NDF : 24.1/20

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

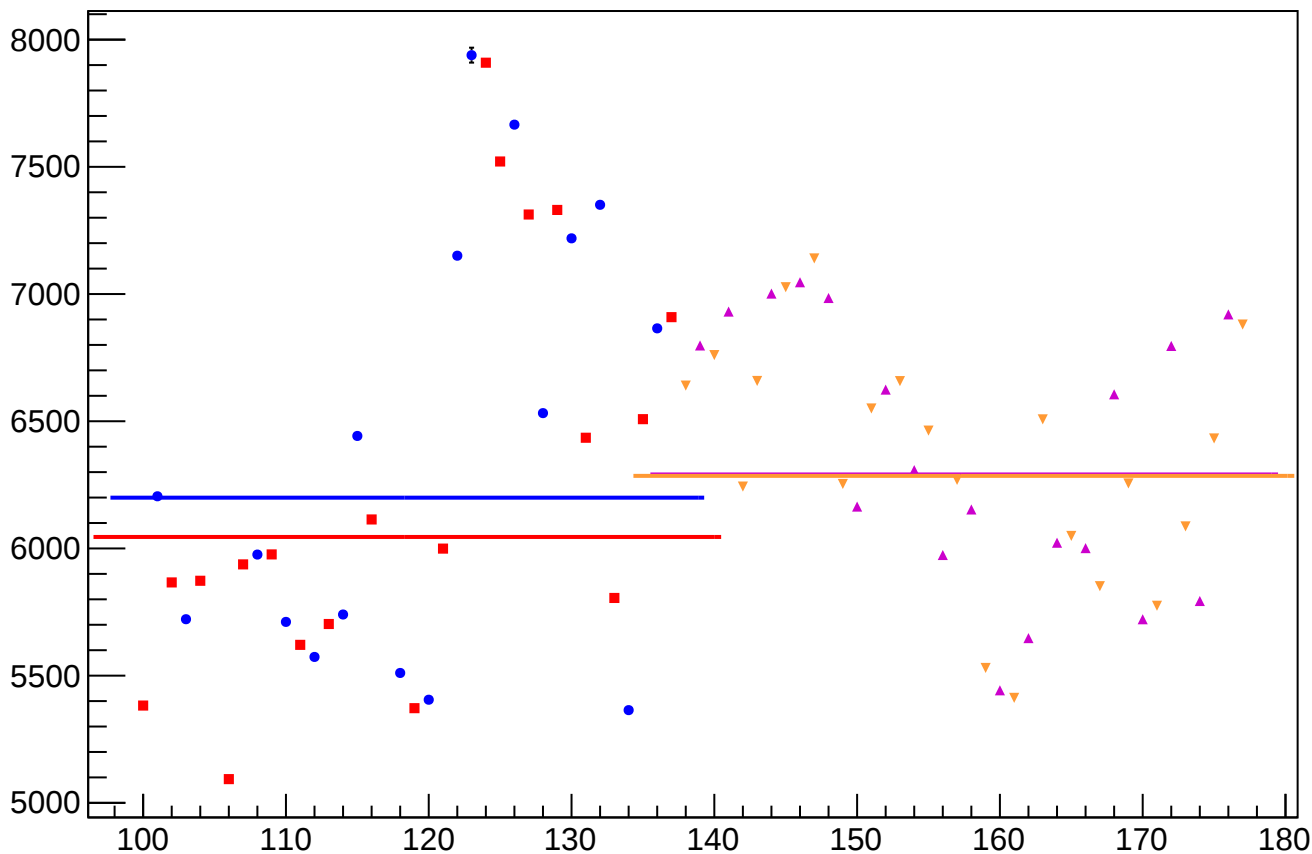
Left In: 11.905 ± 1.656 χ^2/NDF : 19.9/18

+ sign -3.249 ± 1.328 χ^2/NDF : 59.9/37

All: 3.601 ± 0.943 χ^2/NDF : 158.0/75

- sign 10.570 ± 1.339 χ^2/NDF : 44.5/37

diff_bpm0l05X_rms vs Slug



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

Left Out: 6285.312 $\pm$ 1.126 χ^2 /NDF:173957.3/20

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

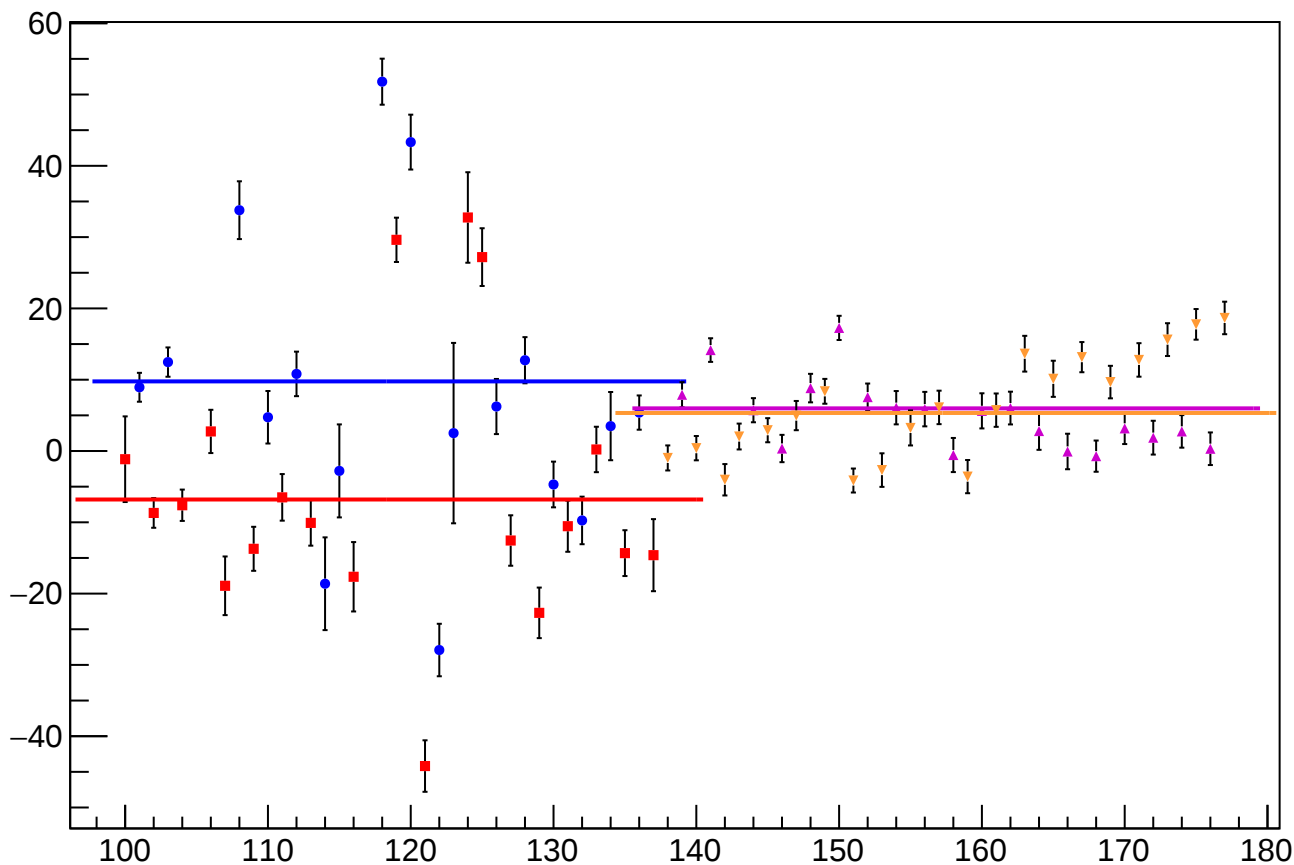
Left In: 6290.813 $\pm$ 1.171 χ^2 /NDF:196643.9/18

+ sign 6259.248 $\pm$ 0.939 χ^2 /NDF: 347480.6/37

All: 6232.814 $\pm$ 0.667 χ^2 /NDF: 719259.1/75

- sign 6205.917 $\pm$ 0.947 χ^2 /NDF: 370179.5/37

diff_bpm0l05Y_mean vs Slug



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

Left Out: 5.336 ± 0.454 χ^2/NDF : 236.2/20

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

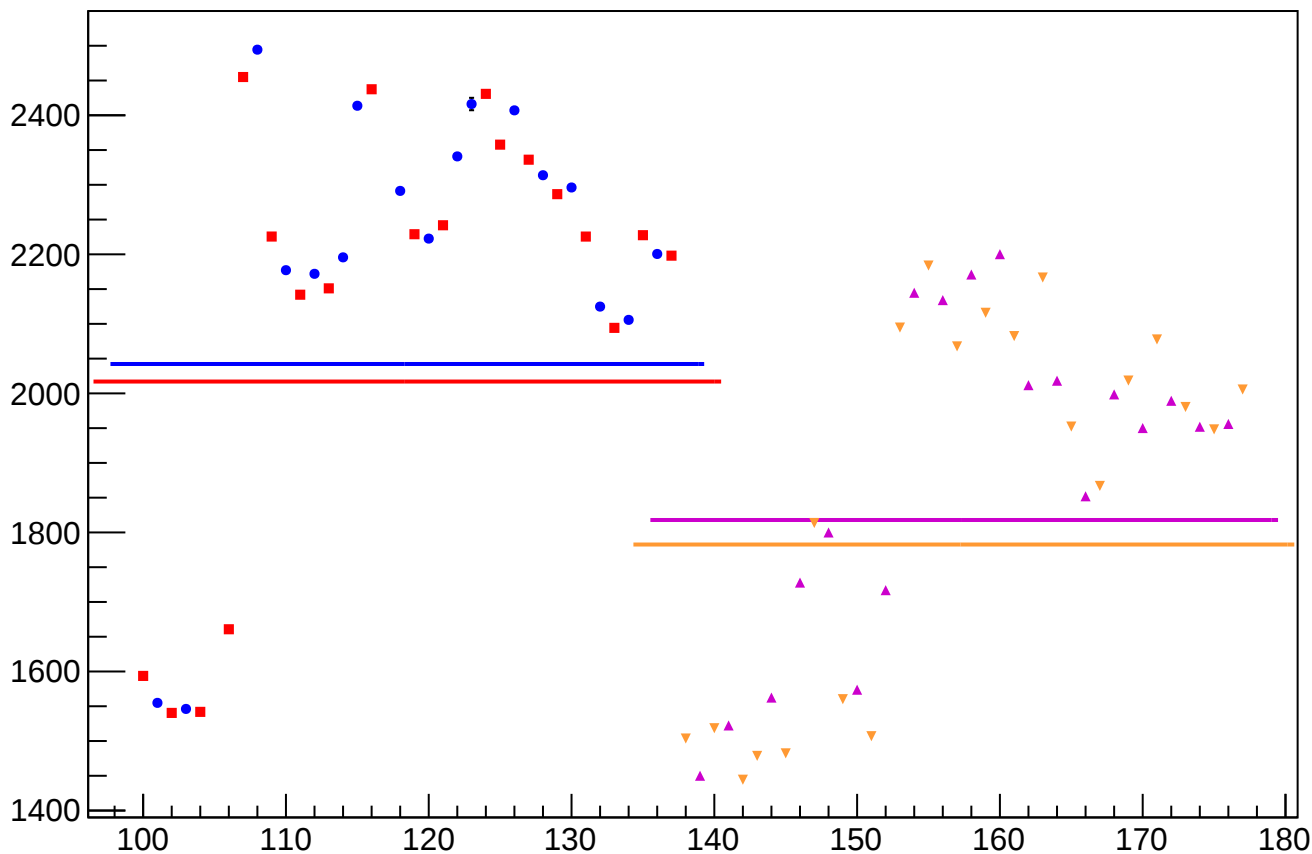
Left In: 5.982 ± 0.480 χ^2/NDF : 118.2/18

+ sign 6.421 ± 0.394 χ^2/NDF : 733.3/37

All: 4.457 ± 0.283 χ^2/NDF : 1524.9/75

- sign 2.373 ± 0.406 χ^2/NDF : 740.5/37

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1782.618+/-0.321 χ^2/NDF : 701578.2/20

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

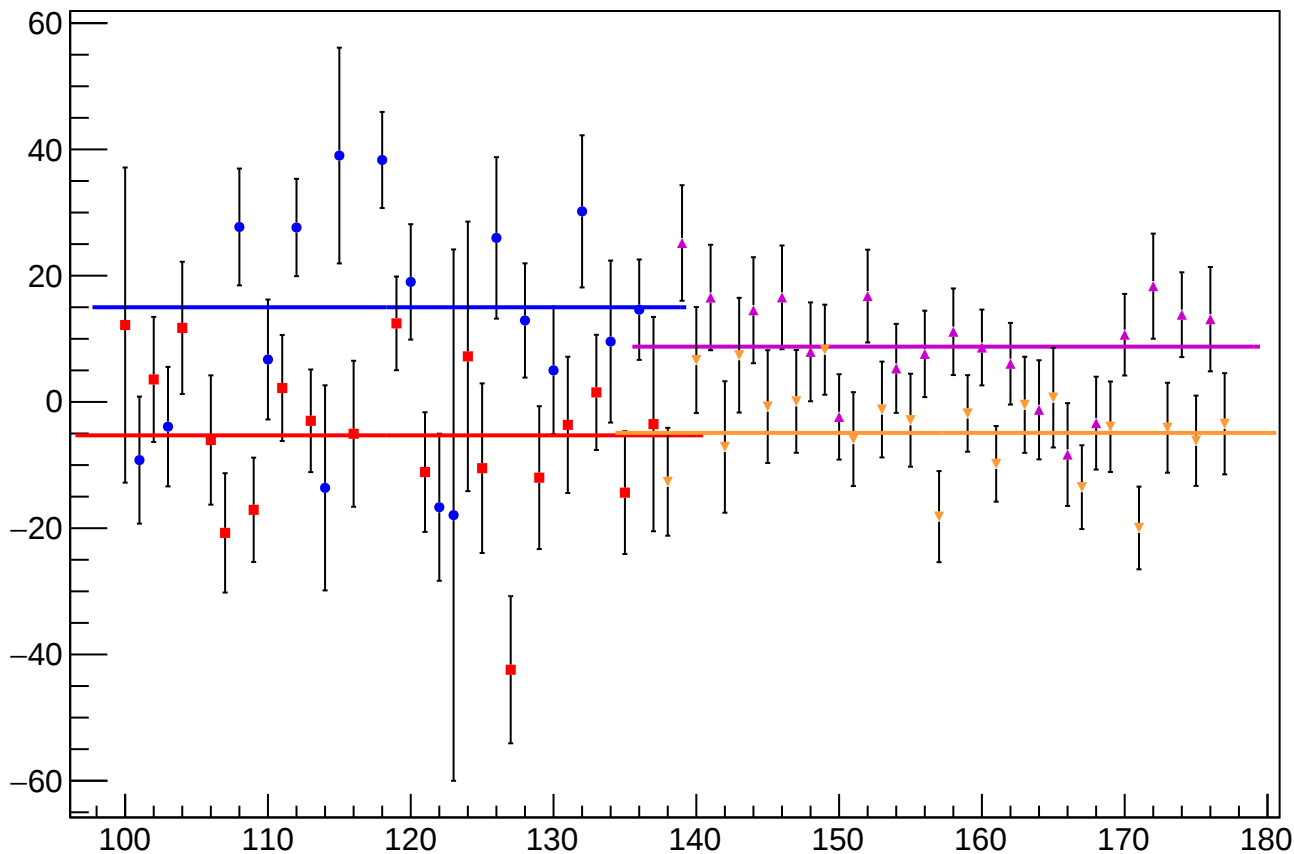
Left In: 1817.897+/-0.339 χ^2/NDF : 485002.9/18

+ sign 1846.223+/-0.279 χ^2/NDF : 1218734.3/37

All: 1859.751+/-0.200 χ^2/NDF : 2181535.4/75

- sign 1874.113+/-0.287 χ^2/NDF : 957949.4/37

diff_bpm0l06X_mean vs Slug



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

Left Out: -4.898 ± 1.626 χ^2/NDF : 21.1/20

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

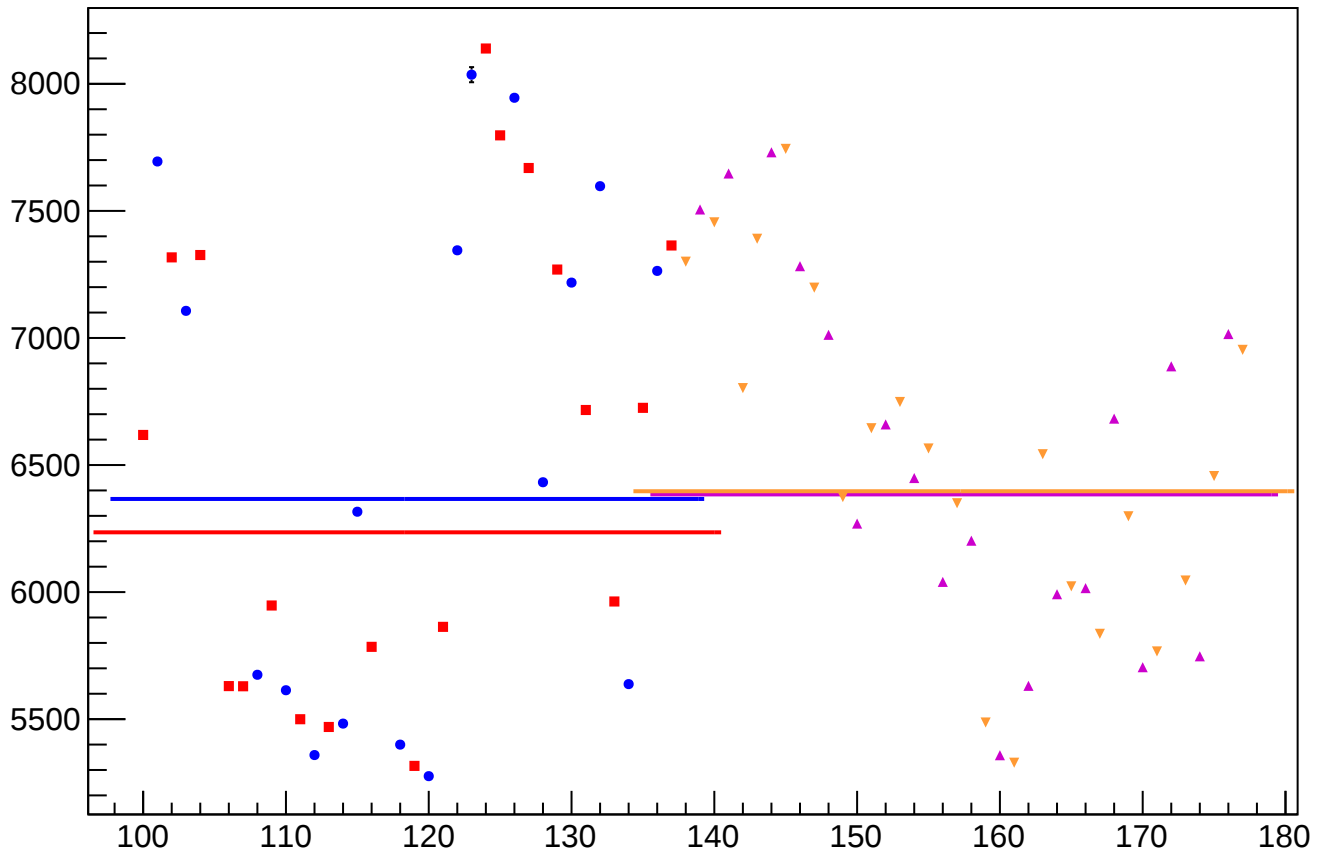
Left In: 8.759 ± 1.687 χ^2/NDF : 20.9/18

+ sign 1.065 ± 1.361 χ^2/NDF : 107.3/37

All: 2.521 ± 0.966 χ^2/NDF : 182.1/75

- sign 4.000 ± 1.372 χ^2/NDF : 72.5/37

diff_bpm0l06X_rms vs Slug



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

Left Out: 6396.847+/-1.150 χ^2/NDF : 315274.6/20

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

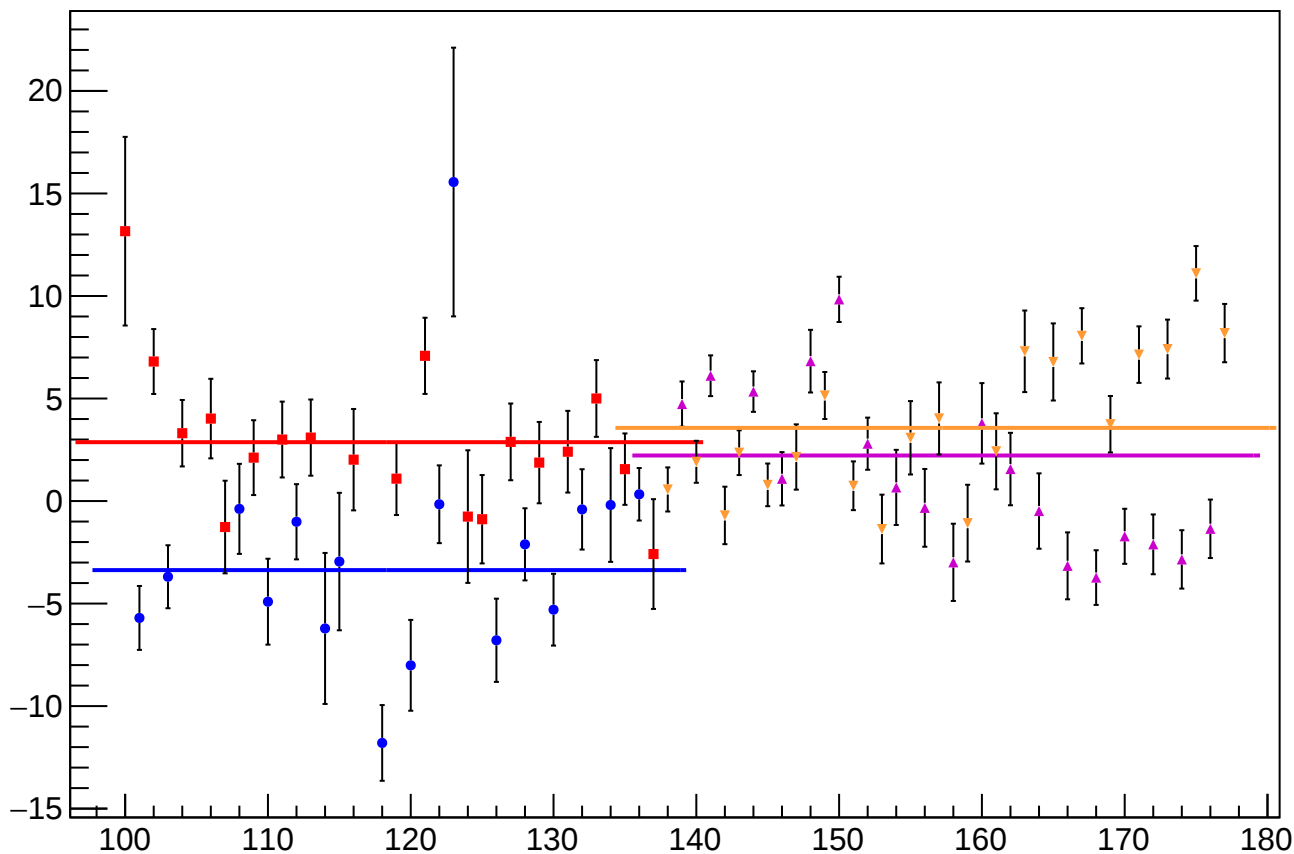
Left In: 6384.425+/-1.193 χ^2/NDF : 331064.7/18

+ sign 6387.748+/-0.962 χ^2/NDF : 601978.1/37

All: 6361.035+/-0.683 χ^2/NDF : 1183102.6/75

- sign 6333.876+/-0.970 χ^2/NDF : 579569.9/37

diff_bpm0l06Y_mean vs Slug



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

Left Out: 3.568 ± 0.299 χ^2/NDF : 125.8/20

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

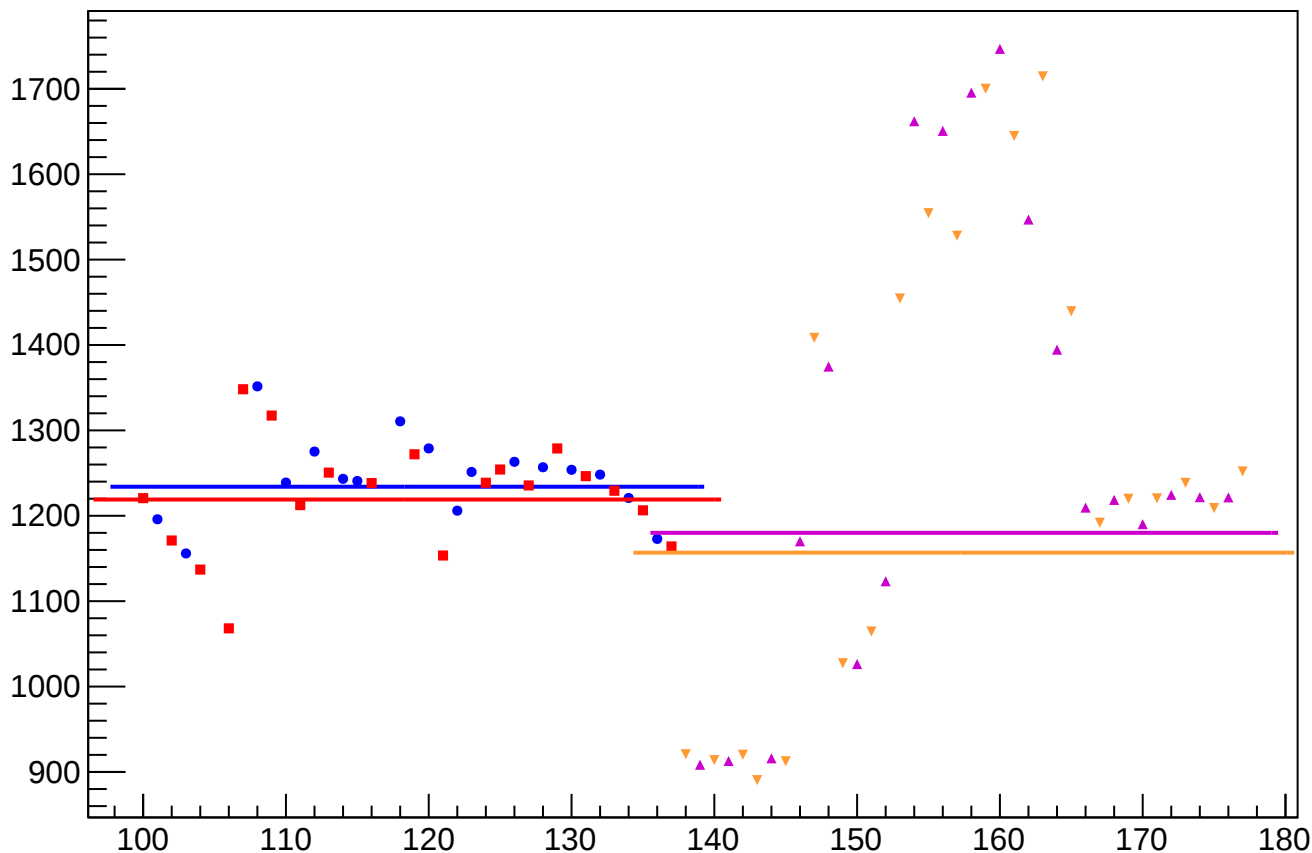
Left In: 2.222 ± 0.316 χ^2/NDF : 168.4/18

+ sign 1.605 ± 0.253 χ^2/NDF : 338.2/37

All: 2.007 ± 0.181 χ^2/NDF : 545.2/75

- sign 2.432 ± 0.260 χ^2/NDF : 201.9/37

diff_bpm0l06Y_rms vs Slug



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

Left Out: 1156.816 $\pm$ 0.211 χ^2 /NDF:1371324.6/20

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

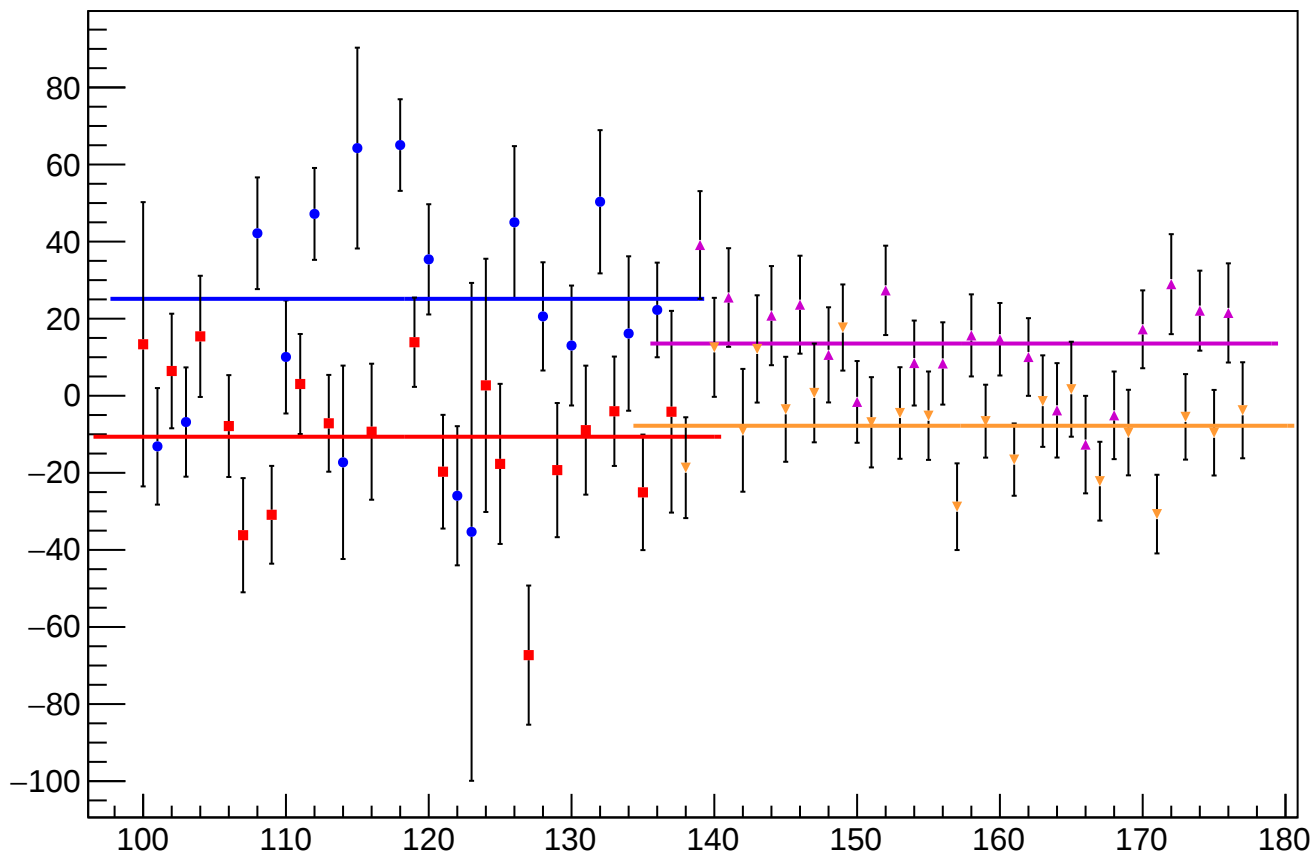
Left In: 1180.027 $\pm$ 0.224 χ^2 /NDF:1183836.7/18

+ sign 1178.671 $\pm$ 0.179 χ^2 /NDF: 1432699.0/37

All: 1185.486 $\pm$ 0.128 χ^2 /NDF: 2669764.4/75

- sign 1192.679 $\pm$ 0.184 χ^2 /NDF: 1234082.0/37

diff_bpm0l07X_mean vs Slug



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

Left Out: -7.785 ± 2.527 χ^2/NDF : 23.6/20

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

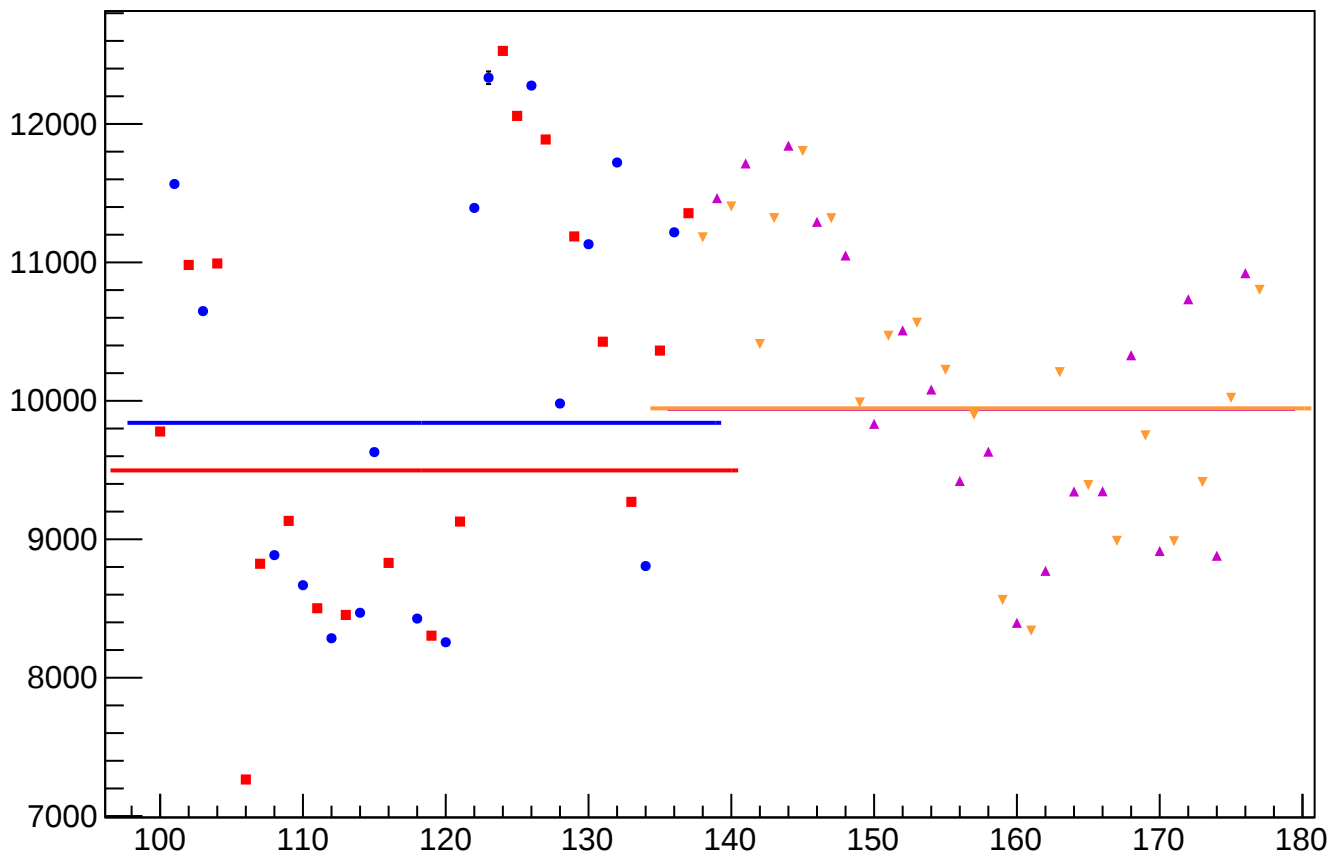
Left In: 13.548 ± 2.626 χ^2/NDF : 20.9/18

+ sign 2.179 ± 2.111 χ^2/NDF : 121.9/37

All: 3.650 ± 1.496 χ^2/NDF : 201.0/75

- sign 5.134 ± 2.120 χ^2/NDF : 78.1/37

diff_bpm0l07X_rms vs Slug



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

Left Out: 9945.723+/-1.787 χ^2/NDF : 292061.8/20

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

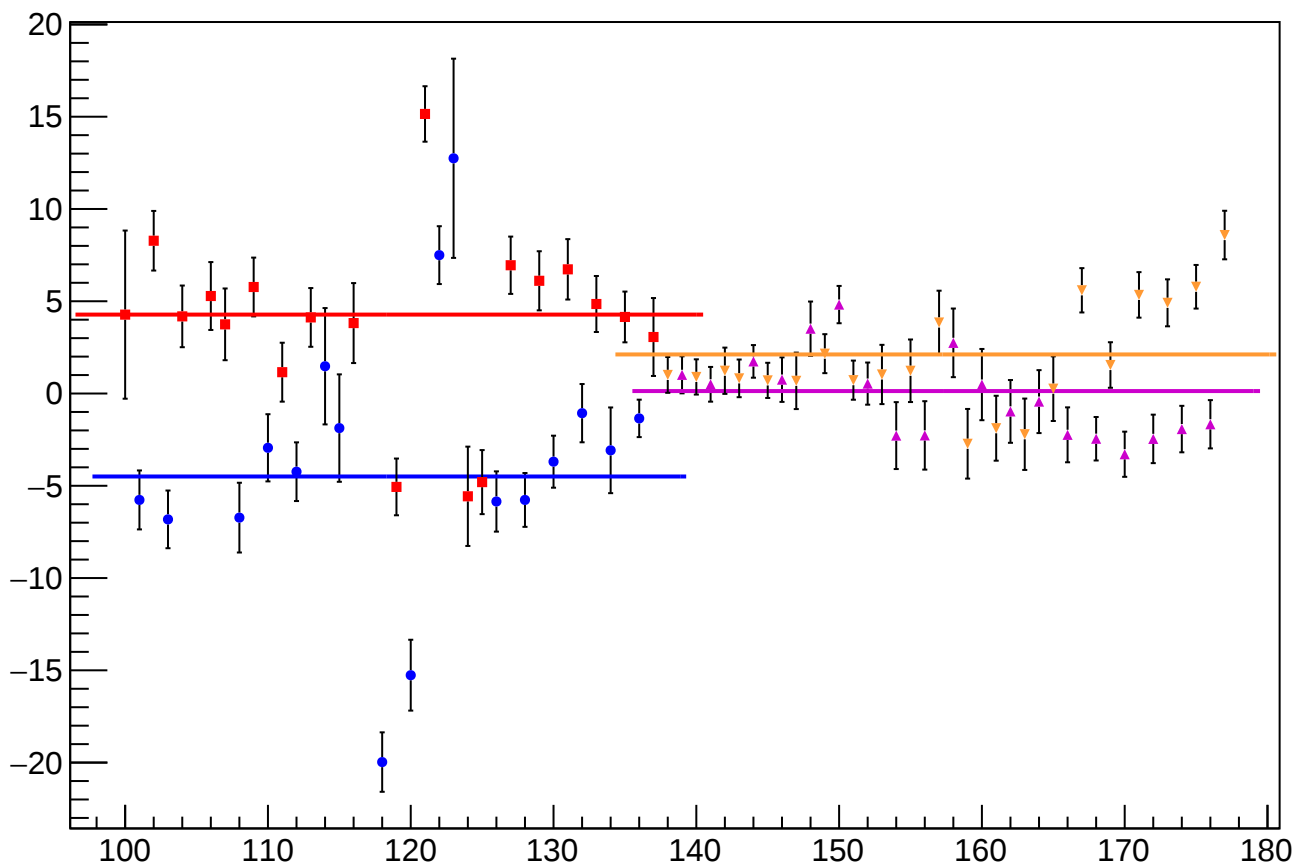
Left In: 9941.437+/-1.857 χ^2/NDF : 309338.7/18

+ sign 9914.093+/-1.492 χ^2/NDF : 553159.6/37

All: 9850.821+/-1.058 χ^2/NDF : 1162701.3/75

- sign 9786.969+/-1.499 χ^2/NDF : 605930.8/37

diff_bpm0l07Y_mean vs Slug



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

Left Out: 2.117 ± 0.275 χ^2/NDF : 83.5/20

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

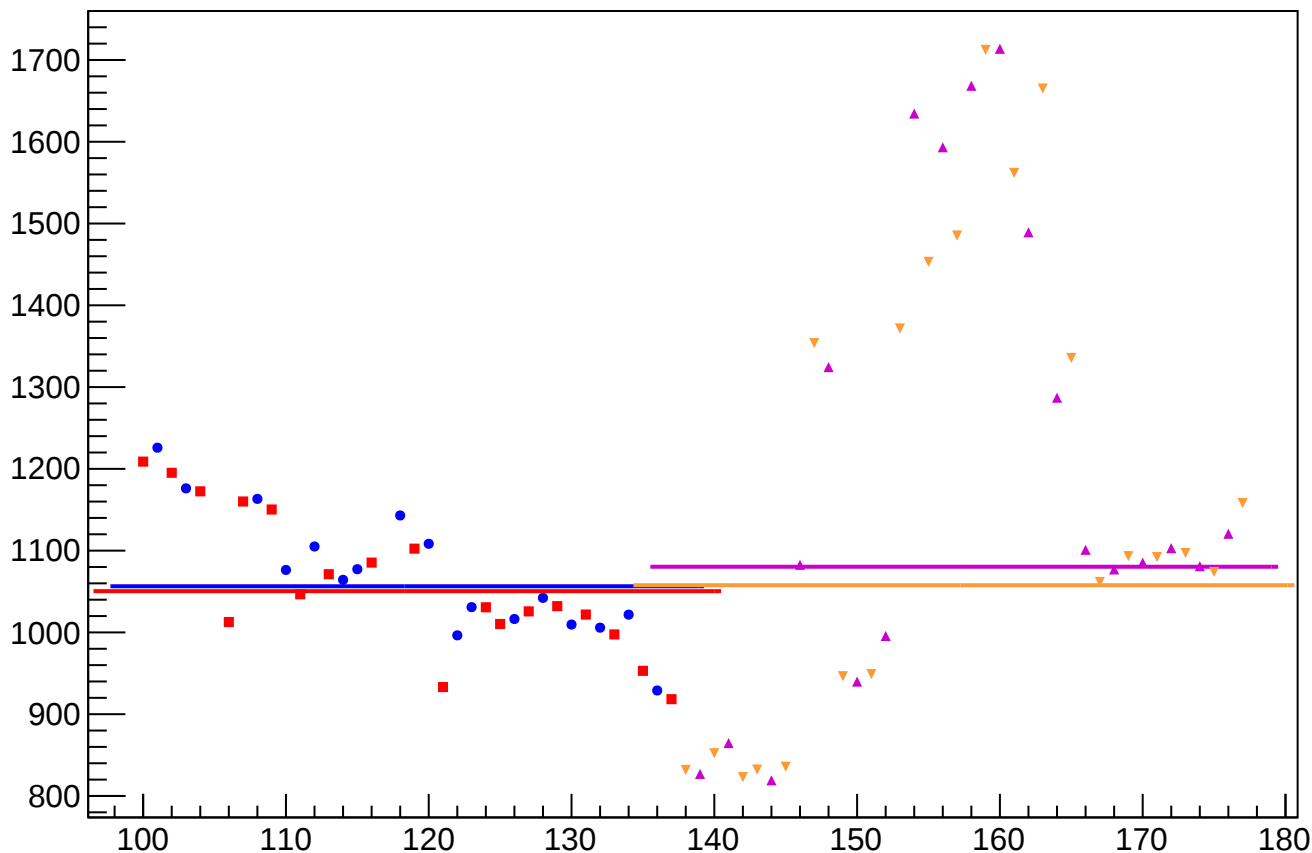
Left In: 0.133 ± 0.291 χ^2/NDF : 61.0/18

+ sign 0.056 ± 0.228 χ^2/NDF : 482.7/37

All: 0.806 ± 0.163 χ^2/NDF : 785.7/75

- sign 1.599 ± 0.234 χ^2/NDF : 280.8/37

diff_bpm0l07Y_rms vs Slug



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

Left Out: 1057.729 $\pm$ 0.194 χ^2 /NDF:1573400.2/20

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

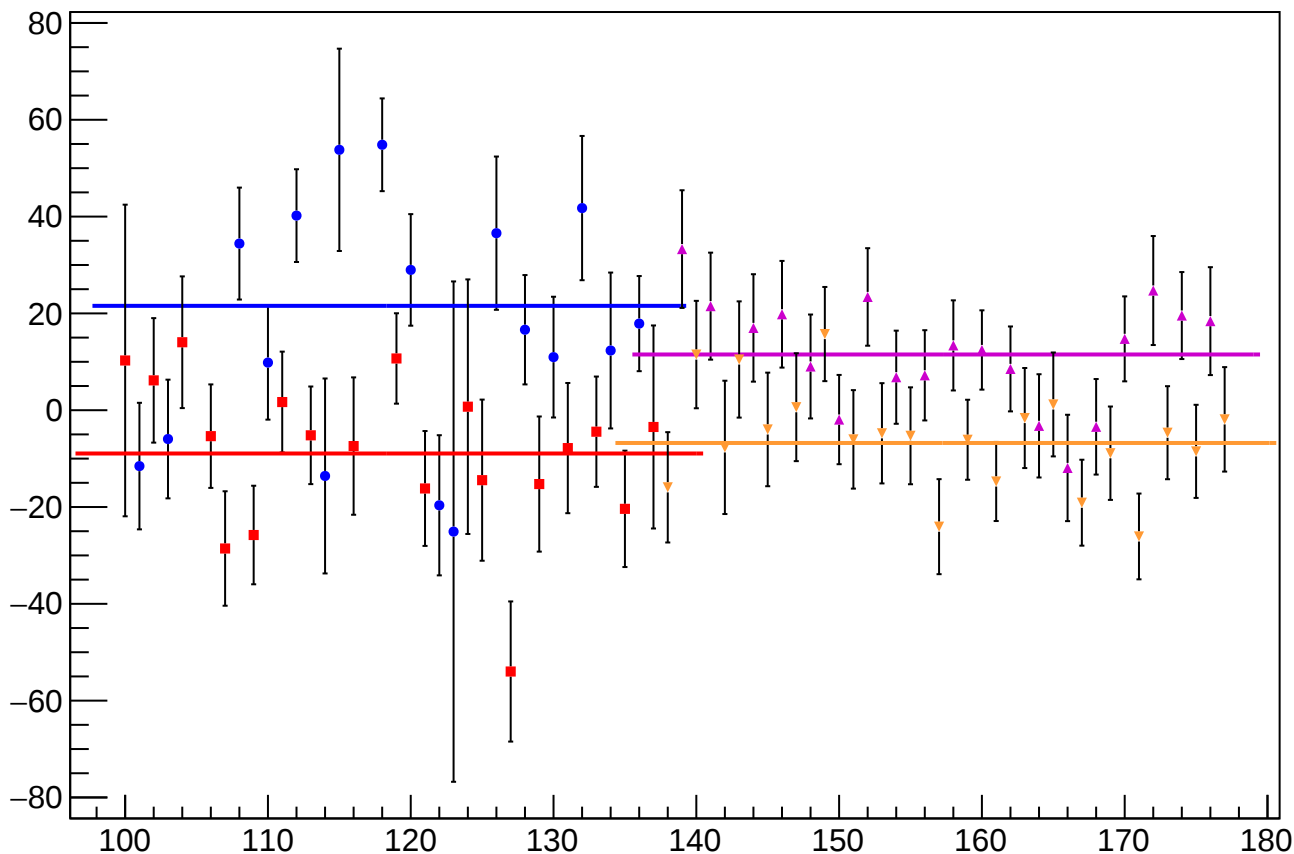
Left In: 1080.310 $\pm$ 0.206 χ^2 /NDF:1415134.9/18

+ sign 1057.326 $\pm$ 0.161 χ^2 /NDF: 1664187.0/37

All: 1063.363 $\pm$ 0.116 χ^2 /NDF: 3172037.4/75

- sign 1069.745 $\pm$ 0.166 χ^2 /NDF: 1504962.3/37

diff_bpm0l08X_mean vs Slug



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

Left Out: -6.769 ± 2.196 $\chi^2/\text{NDF}: 23.2/20$

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

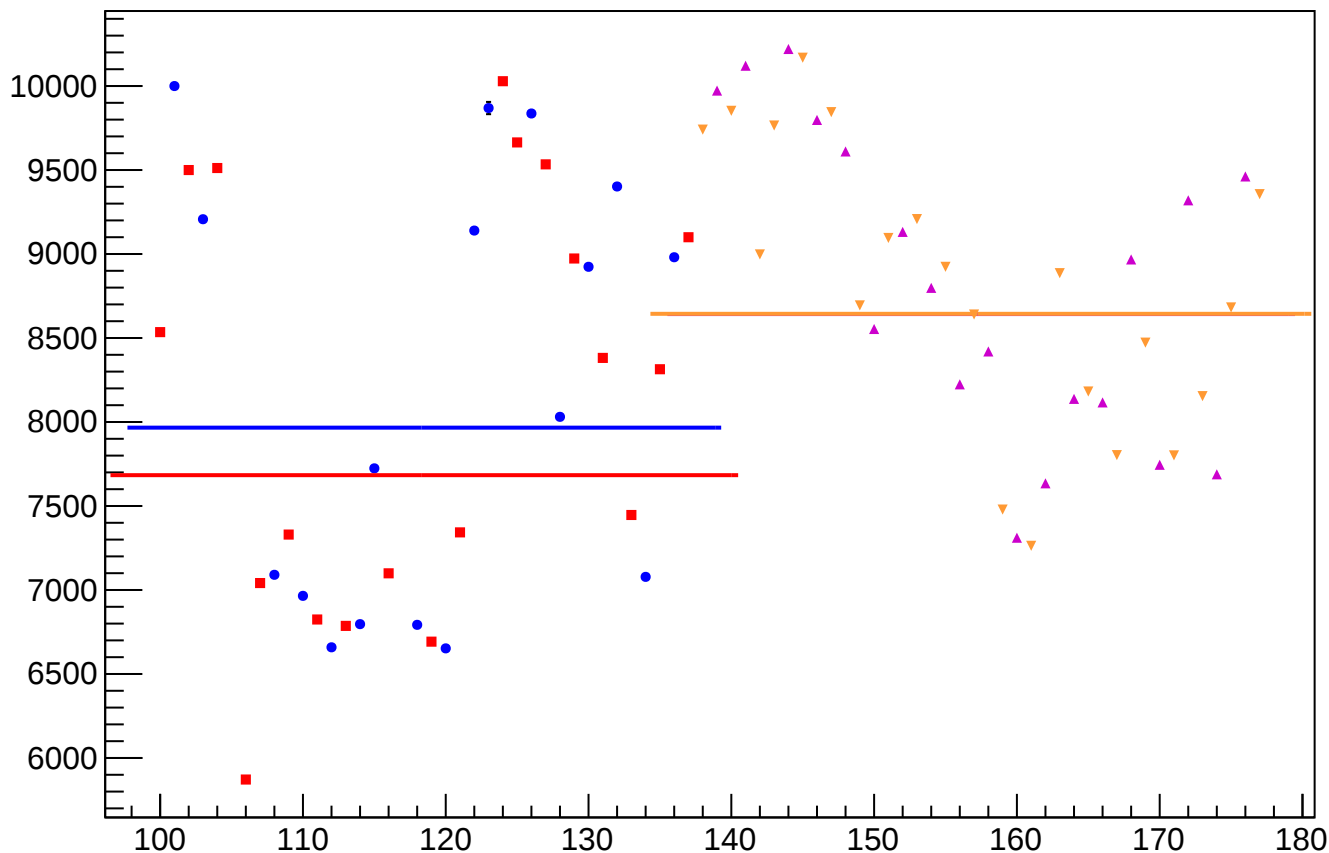
Left In: 11.513 ± 2.282 $\chi^2/\text{NDF}: 20.5/18$

+ sign 2.656 ± 1.794 $\chi^2/\text{NDF}: 127.0/37$

All: 3.192 ± 1.269 $\chi^2/\text{NDF}: 205.6/75$

- sign 3.729 ± 1.796 $\chi^2/\text{NDF}: 78.5/37$

diff_bpm0l08X_rms vs Slug



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

Left Out: 8643.996 $\pm$ 1.553 χ^2 /NDF: 281840.5/20

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

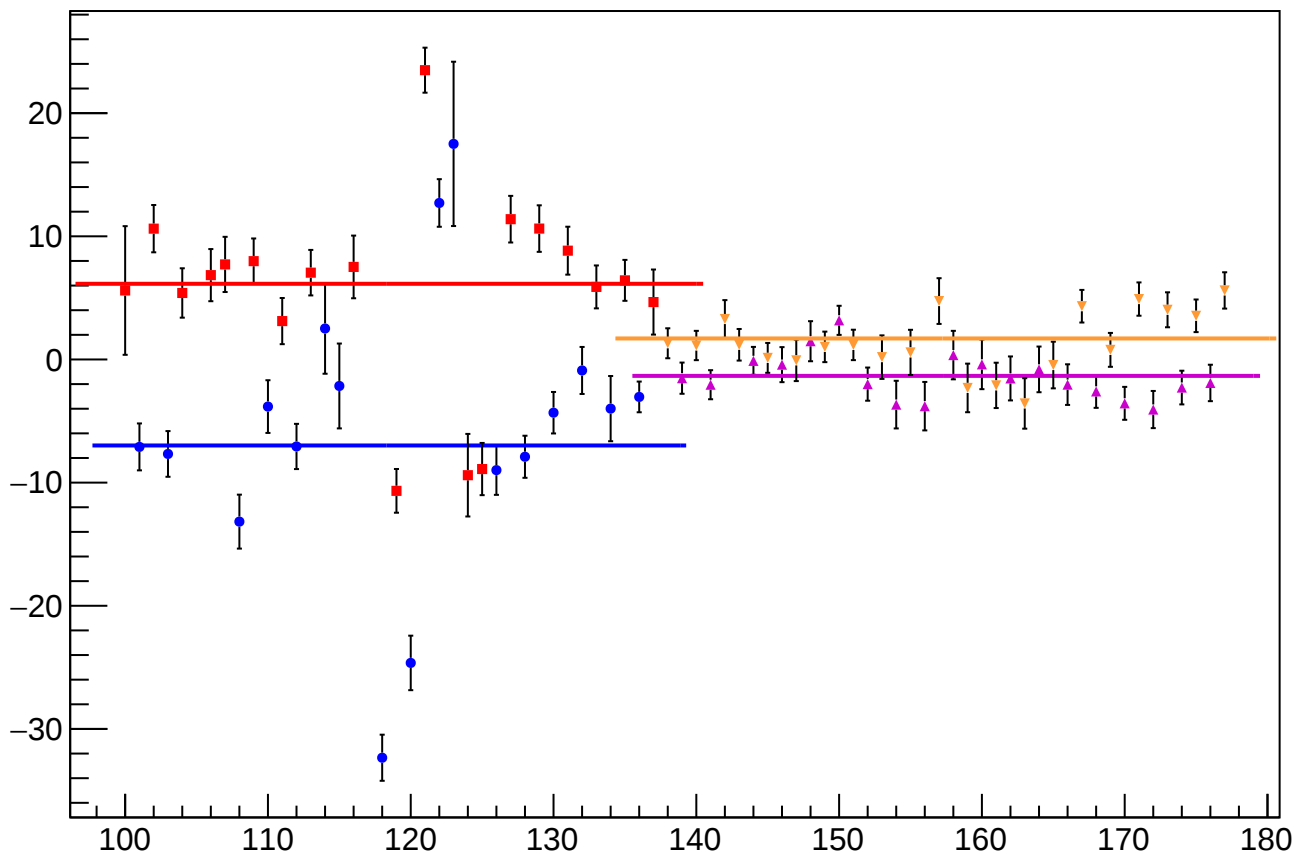
Left In: 8642.460 $\pm$ 1.614 χ^2 /NDF: 300941.8/18

+ sign 8418.576 $\pm$ 1.269 χ^2 /NDF: 641792.0/37

All: 8348.147 $\pm$ 0.898 χ^2 /NDF: 1398318.5/75

- sign 8277.543 $\pm$ 1.270 χ^2 /NDF: 750354.1/37

diff_bpm0l08Y_mean vs Slug



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

Left Out: 1.706 ± 0.318 χ^2/NDF : 46.6/20

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

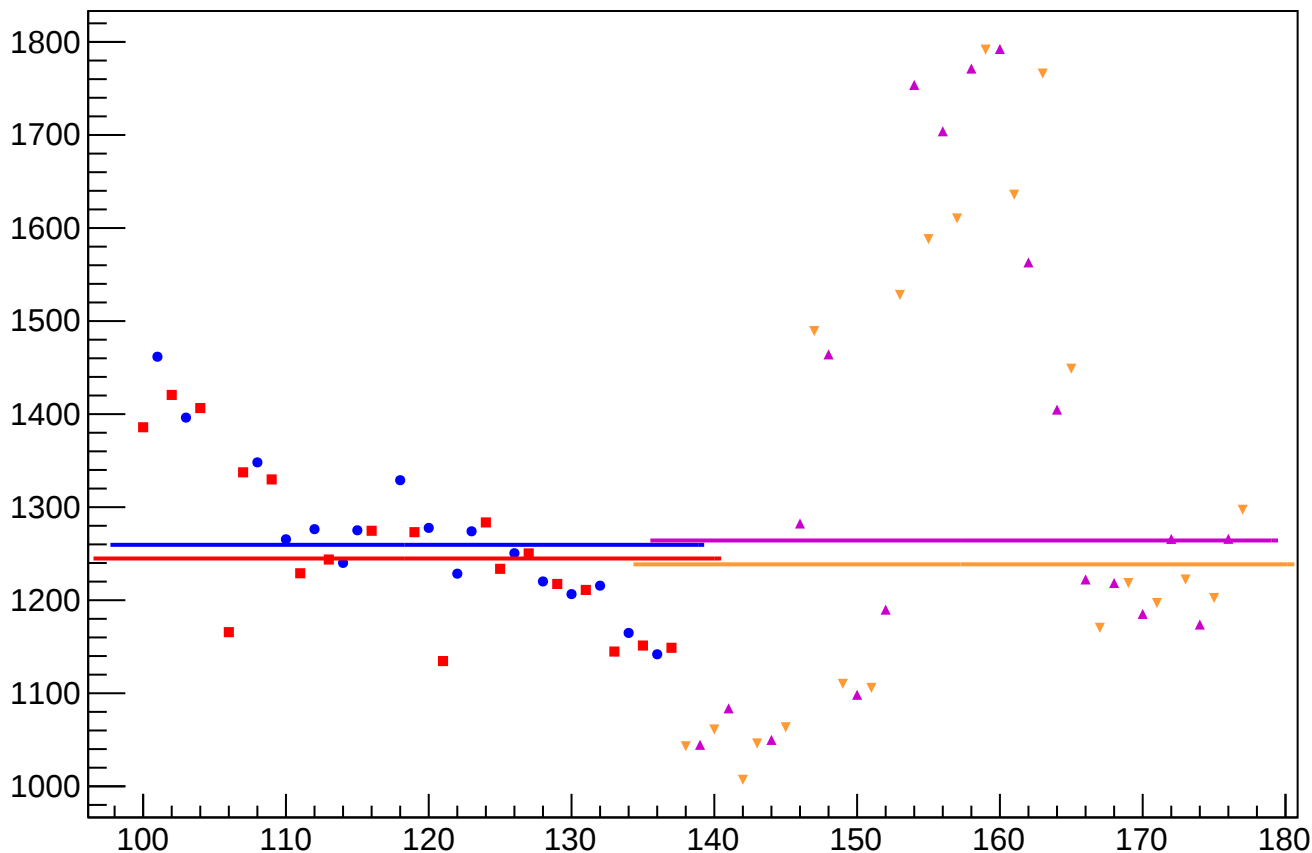
Left In: -1.332 ± 0.337 χ^2/NDF : 31.6/18

+ sign -0.895 ± 0.266 χ^2/NDF : 678.9/37

All: 0.139 ± 0.191 χ^2/NDF : 1187.8/75

- sign 1.229 ± 0.273 χ^2/NDF : 477.9/37

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1238.557 $\pm$ 0.225 χ^2 /NDF: 943966.1/20

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

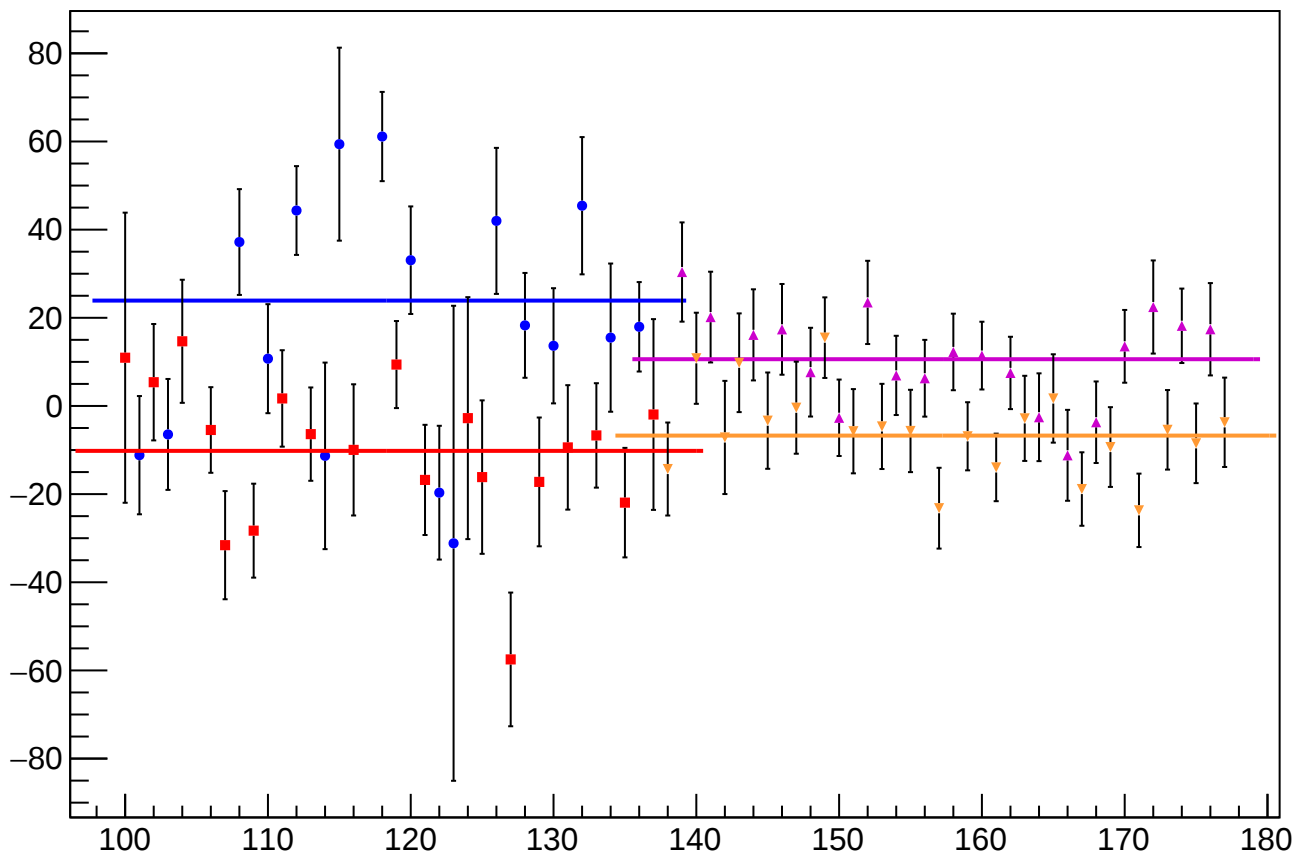
Left In: 1264.203 $\pm$ 0.238 χ^2 /NDF: 839442.3/18

+ sign 1244.835 $\pm$ 0.188 χ^2 /NDF: 1011418.4/37

All: 1251.034 $\pm$ 0.135 χ^2 /NDF: 1922182.5/75

- sign 1257.569 $\pm$ 0.193 χ^2 /NDF: 908532.9/37

diff_bpm0l09X_mean vs Slug



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

Left Out: -6.722 ± 2.056 $\chi^2/\text{NDF}: 23.5/20$

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

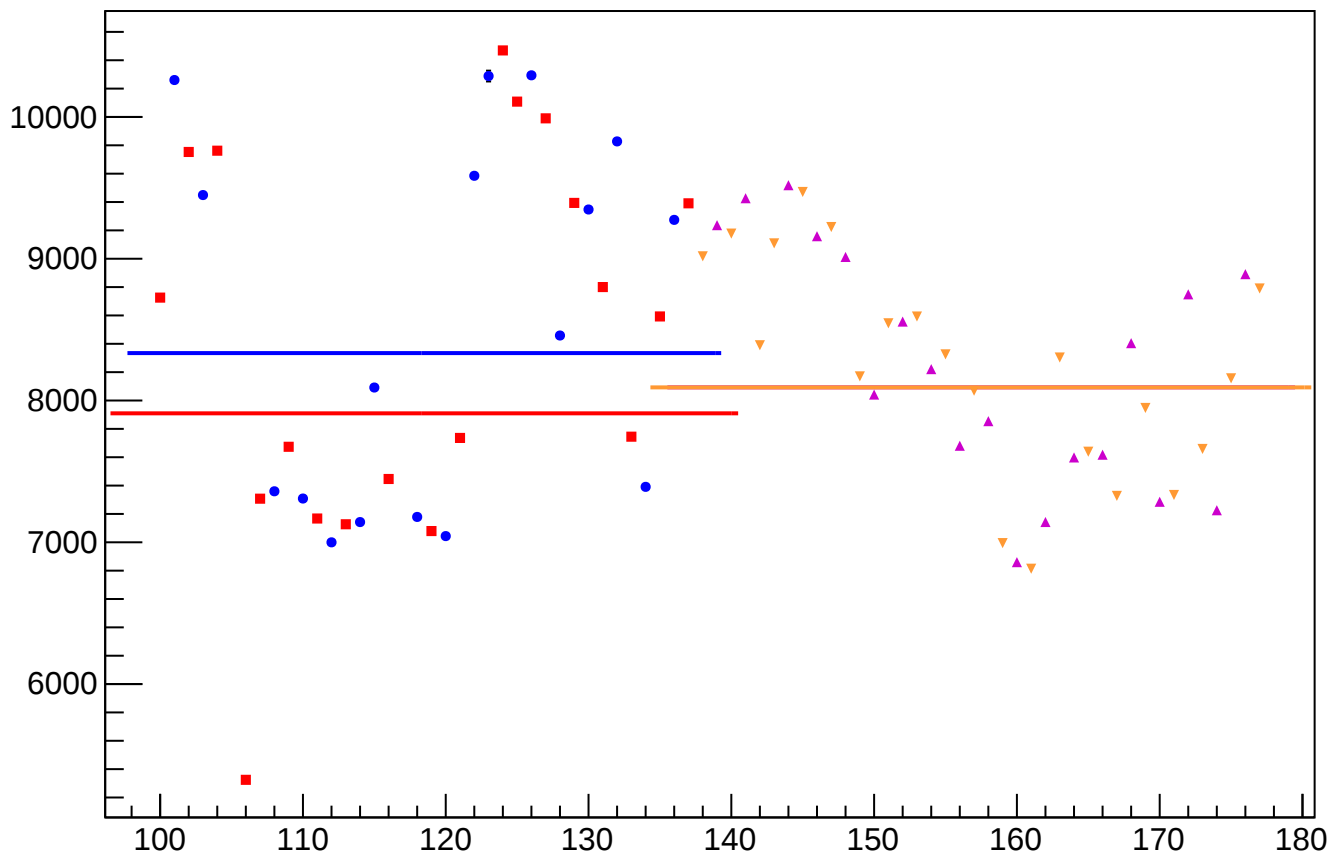
Left In: 10.605 ± 2.136 $\chi^2/\text{NDF}: 20.8/18$

+ sign 2.026 ± 1.737 $\chi^2/\text{NDF}: 139.4/37$

All: 2.824 ± 1.230 $\chi^2/\text{NDF}: 220.3/75$

- sign 3.625 ± 1.741 $\chi^2/\text{NDF}: 80.5/37$

diff_bpm0l09X_rms vs Slug



Right In: 8334.507 $\pm$ 2.299 χ^2 /NDF: 272302.6/16

Left Out: 8092.596 $\pm$ 1.453 χ^2 /NDF: 270818.6/20

Right Out: 7909.620 $\pm$ 2.125 χ^2 /NDF: 390819.3/18

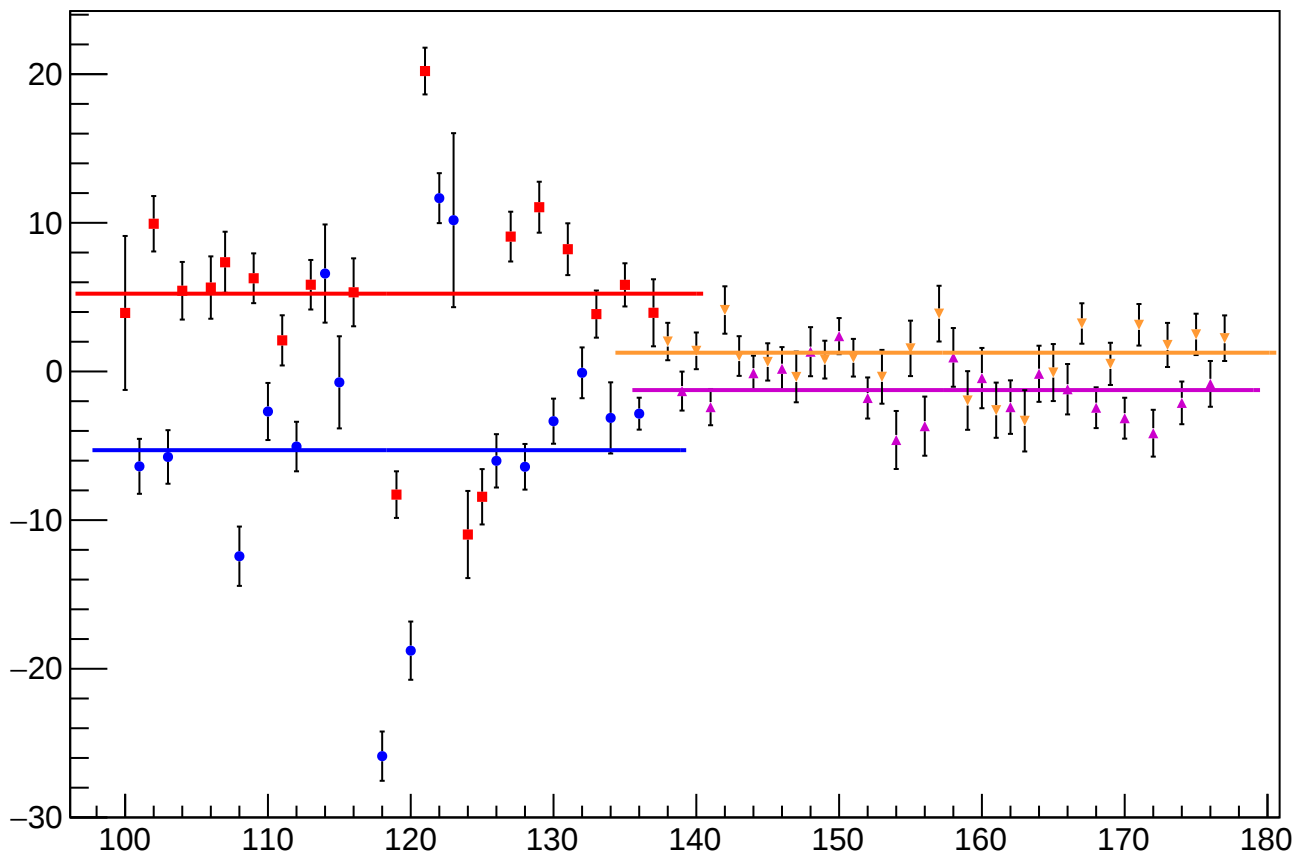
Left In: 8092.842 $\pm$ 1.511 χ^2 /NDF: 290959.6/18

+ sign 8161.698 $\pm$ 1.228 χ^2 /NDF: 551034.0/37

All: 8096.670 $\pm$ 0.870 χ^2 /NDF: 1243367.6/75

- sign 8031.338 $\pm$ 1.231 χ^2 /NDF: 686716.4/37

diff_bpm0l09Y_mean vs Slug



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

Left Out: 1.262 ± 0.327 χ^2/NDF : 25.7/20

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

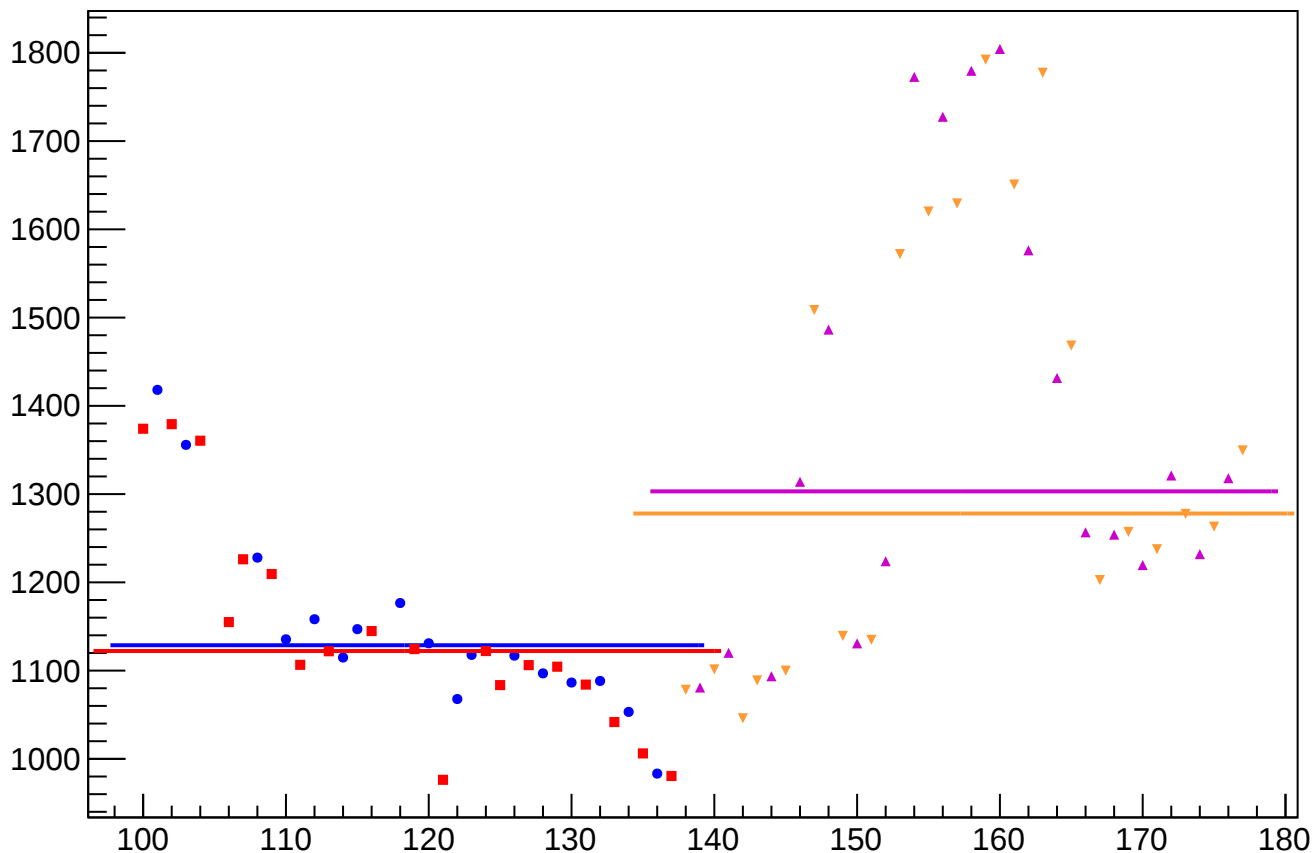
Left In: -1.252 ± 0.346 χ^2/NDF : 27.3/18

+ sign -1.095 ± 0.262 χ^2/NDF : 528.1/37

All: 0.107 ± 0.187 χ^2/NDF : 1021.6/75

- sign 1.362 ± 0.268 χ^2/NDF : 450.4/37

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1278.002 $\pm$ 0.231 χ^2 /NDF:856591.2/20

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

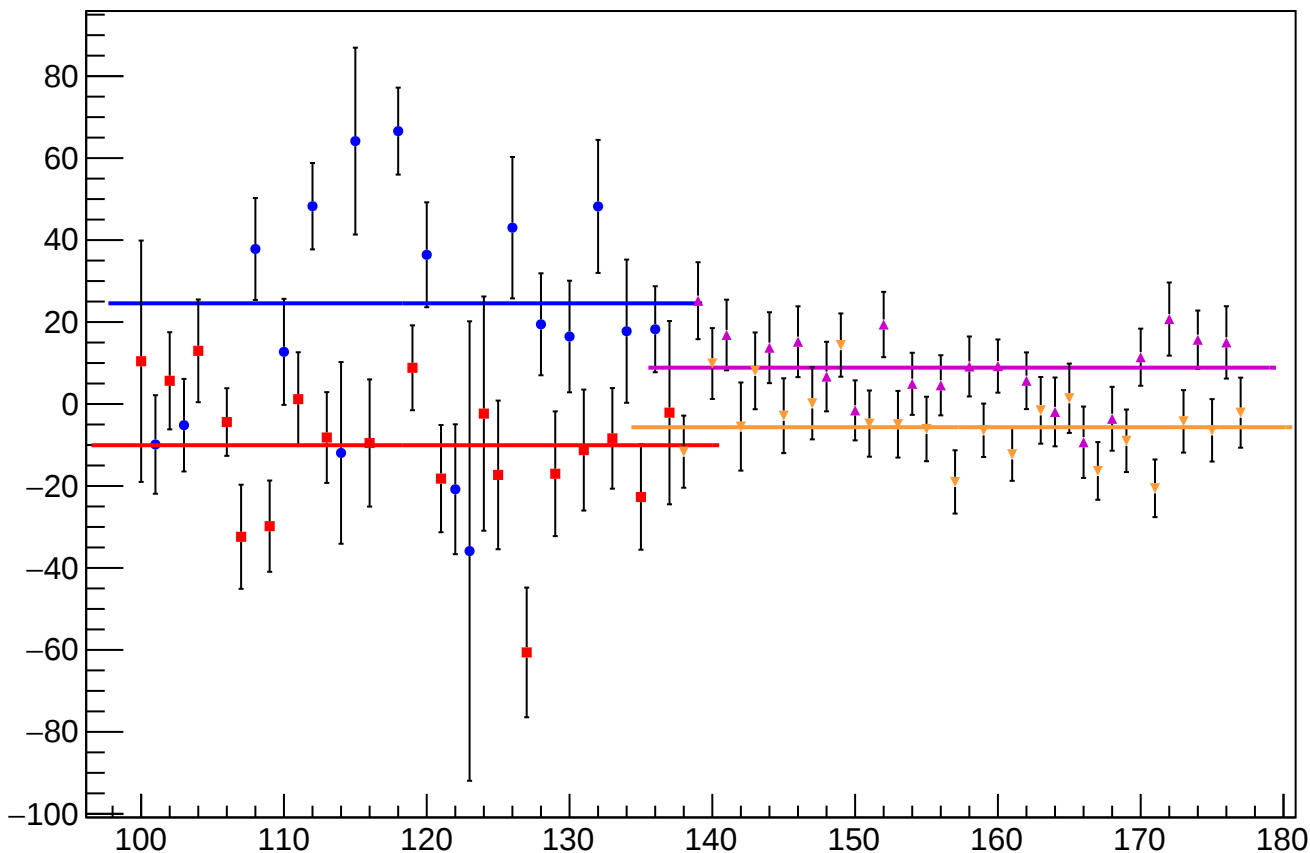
Left In: 1303.091 $\pm$ 0.245 χ^2 /NDF:754450.2/18

+ sign 1224.352 $\pm$ 0.185 χ^2 /NDF: 1139258.5/37

All: 1227.211 $\pm$ 0.132 χ^2 /NDF: 2243438.5/75

- sign 1230.199 $\pm$ 0.189 χ^2 /NDF: 1103692.5/37

diff_bpm0l10X_mean vs Slug



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

Left Out: -5.663 ± 1.731 $\chi^2/\text{NDF}: 25.3/20$

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

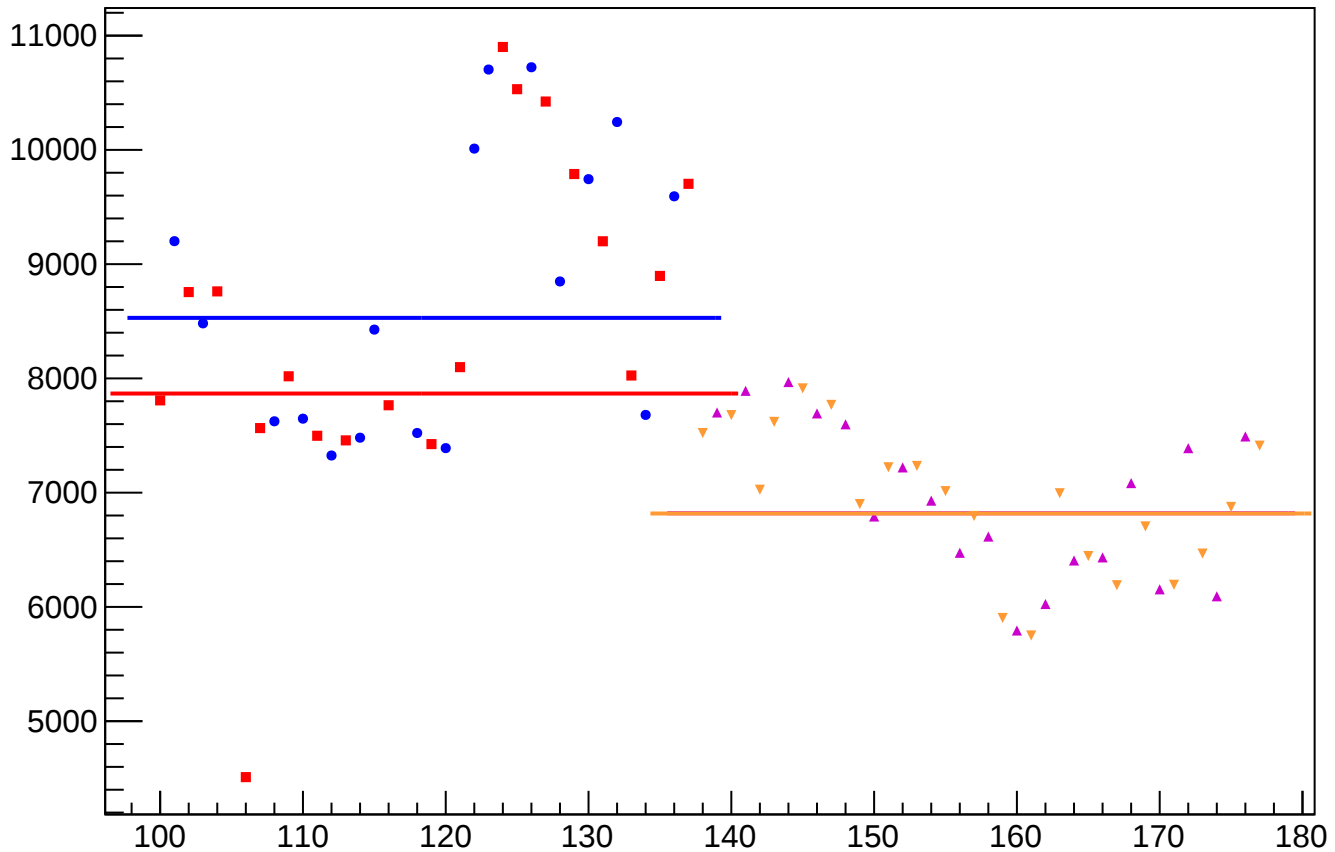
Left In: 8.869 ± 1.800 $\chi^2/\text{NDF}: 21.3/18$

+ sign 0.804 ± 1.535 $\chi^2/\text{NDF}: 148.7/37$

All: 2.332 ± 1.089 $\chi^2/\text{NDF}: 229.9/75$

- sign 3.879 ± 1.544 $\chi^2/\text{NDF}: 79.3/37$

diff_bpm0l10X_rms vs Slug



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

Left Out: 6817.604+/-1.224 χ^2/NDF : 256696.1/20

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

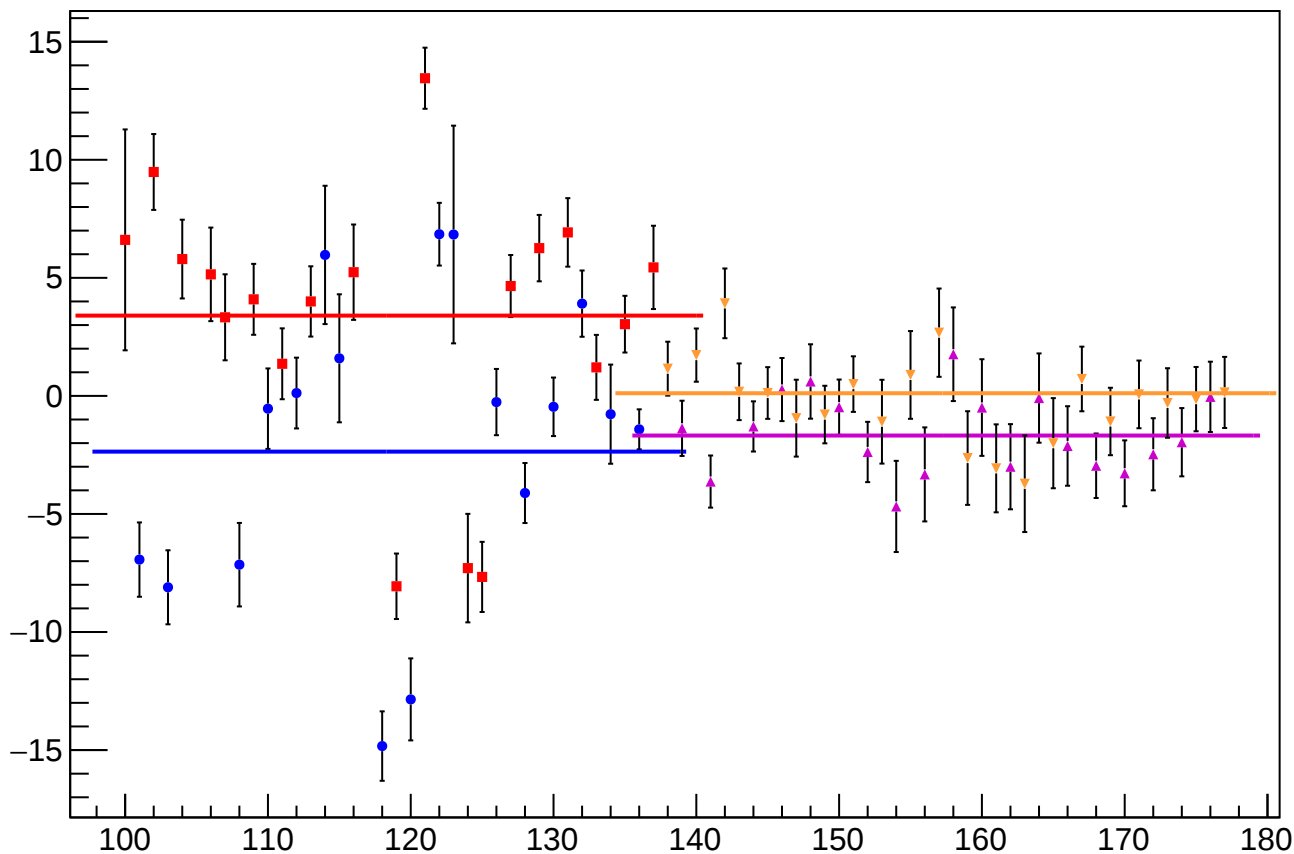
Left In: 6819.675+/-1.273 χ^2/NDF : 278892.8/18

+ sign 7183.906+/-1.085 χ^2/NDF : 883591.6/37

All: 7140.222+/-0.770 χ^2/NDF : 1900354.0/75

- sign 7095.991+/-1.092 χ^2/NDF : 1013501.9/37

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.113 ± 0.313 χ^2/NDF : 23.7/20

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

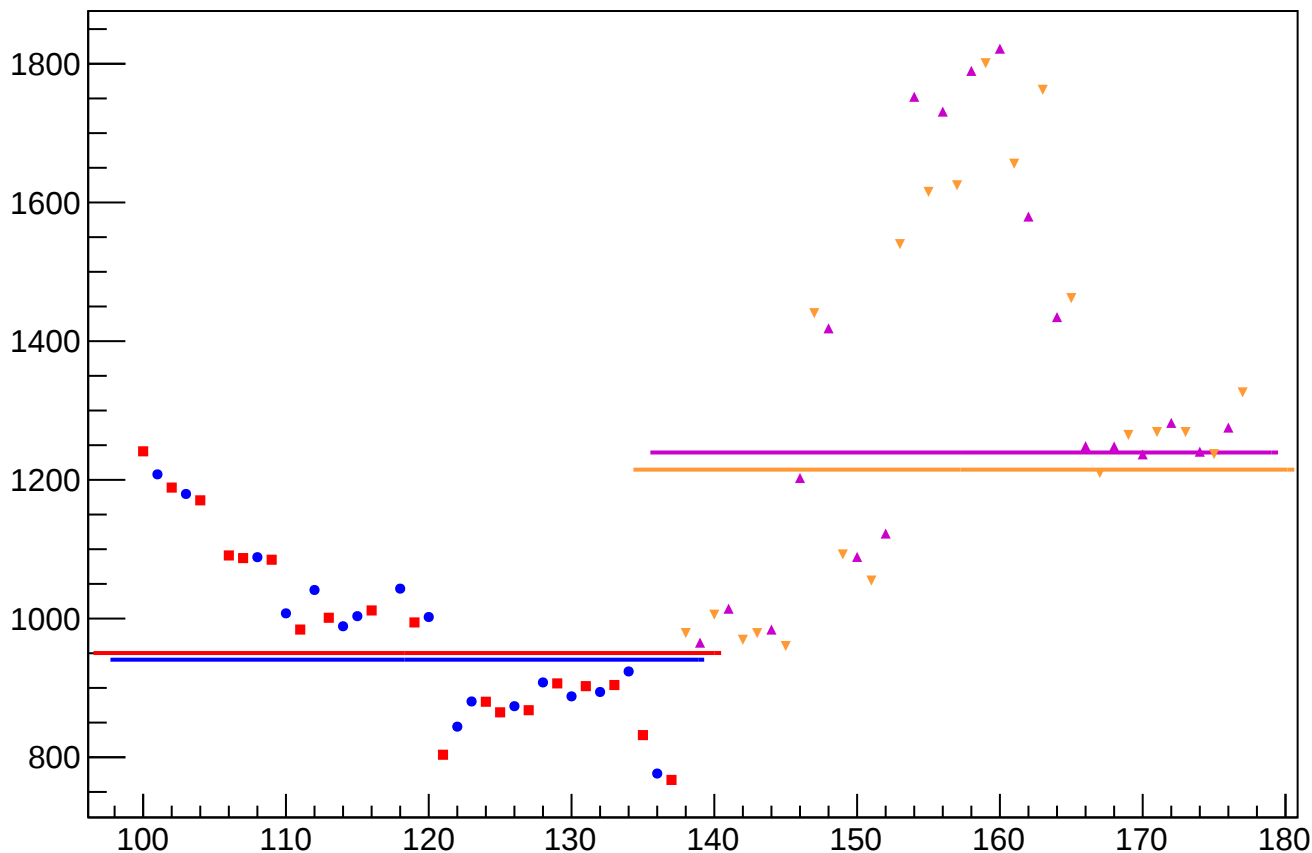
Left In: -1.679 ± 0.331 χ^2/NDF : 20.4/18

+ sign -0.933 ± 0.238 χ^2/NDF : 282.1/37

All: -0.153 ± 0.170 χ^2/NDF : 674.3/75

- sign 0.664 ± 0.243 χ^2/NDF : 370.2/37

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1214.740 $\pm$ 0.221 χ^2 /NDF:1229420.7/20

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

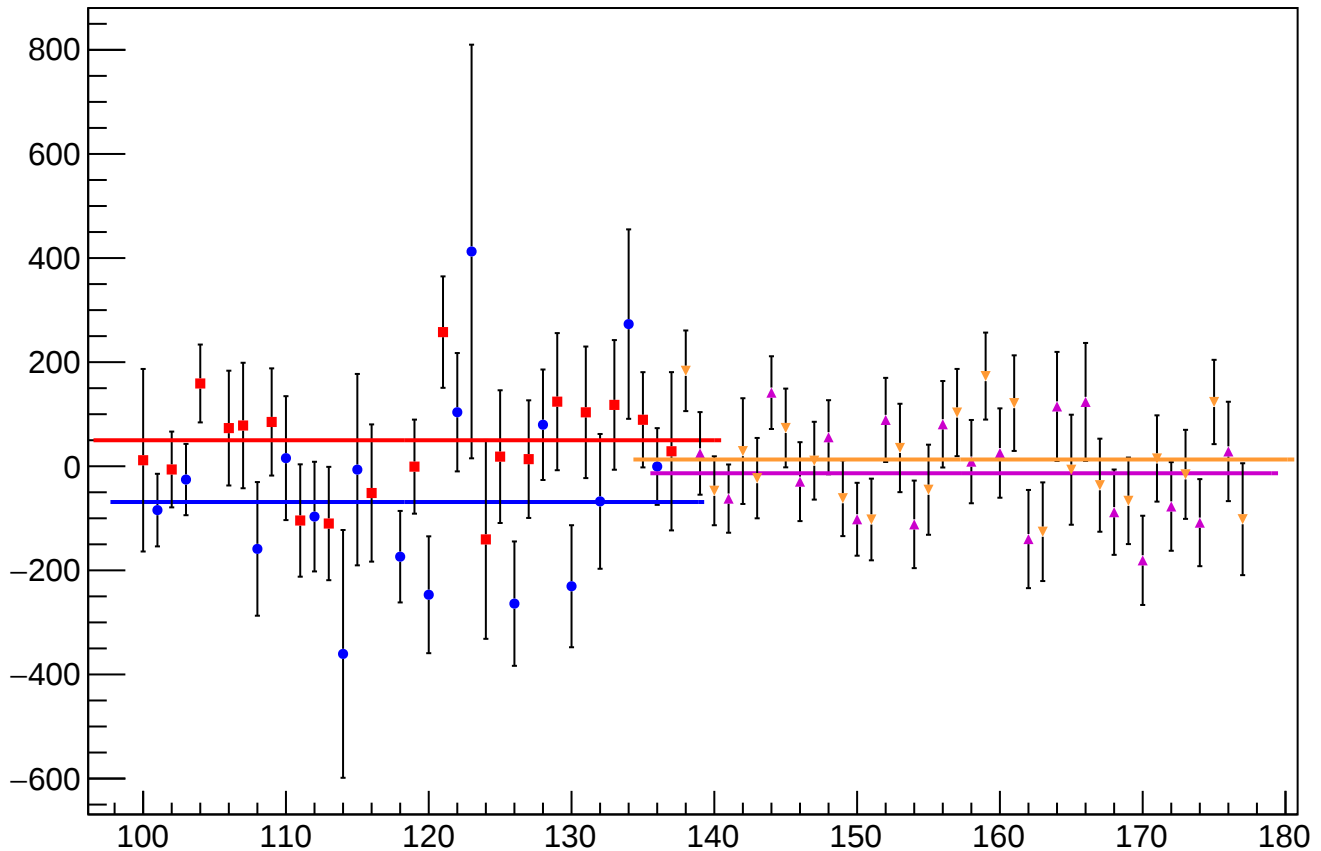
Left In: 1239.475 $\pm$ 0.234 χ^2 /NDF:1060017.0/18

+ sign 1098.852 $\pm$ 0.168 χ^2 /NDF: 2119975.7/37

All: 1102.392 $\pm$ 0.120 χ^2 /NDF: 4103754.4/75

- sign 1106.099 $\pm$ 0.172 χ^2 /NDF: 1982870.6/37

diff_bpm0r03X_mean vs Slug



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

Left Out: 12.996 ± 18.159 χ^2/NDF : 23.0/20

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

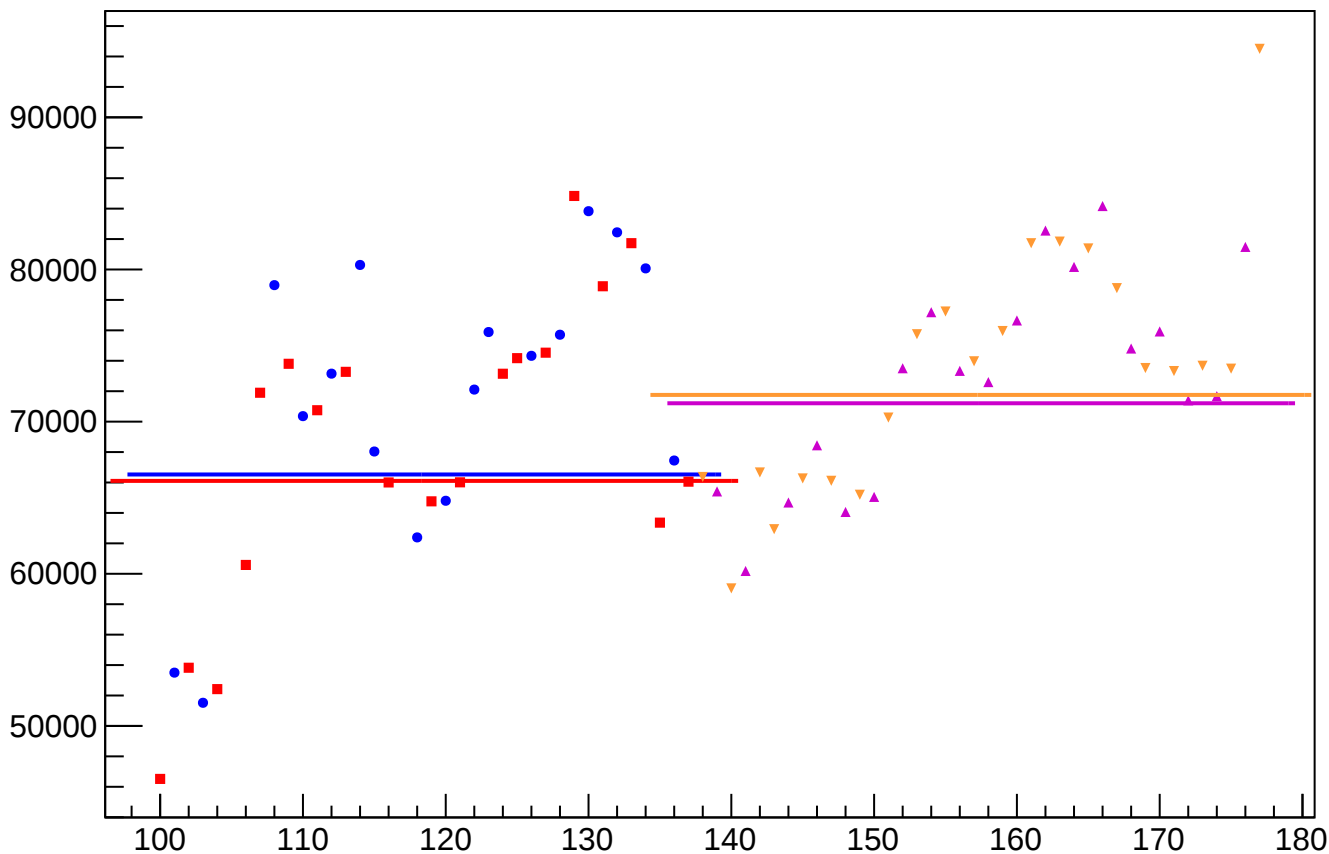
Left In: -13.444 ± 18.699 χ^2/NDF : 24.3/18

+ sign -13.861 ± 14.877 χ^2/NDF : 51.4/37

All: -2.370 ± 10.555 χ^2/NDF : 95.0/75

- sign 9.278 ± 14.978 χ^2/NDF : 42.4/37

diff_bpm0r03X_rms vs Slug



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

Left Out: 71756.364+/-12.841 χ^2/NDF : 340633.9/20

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

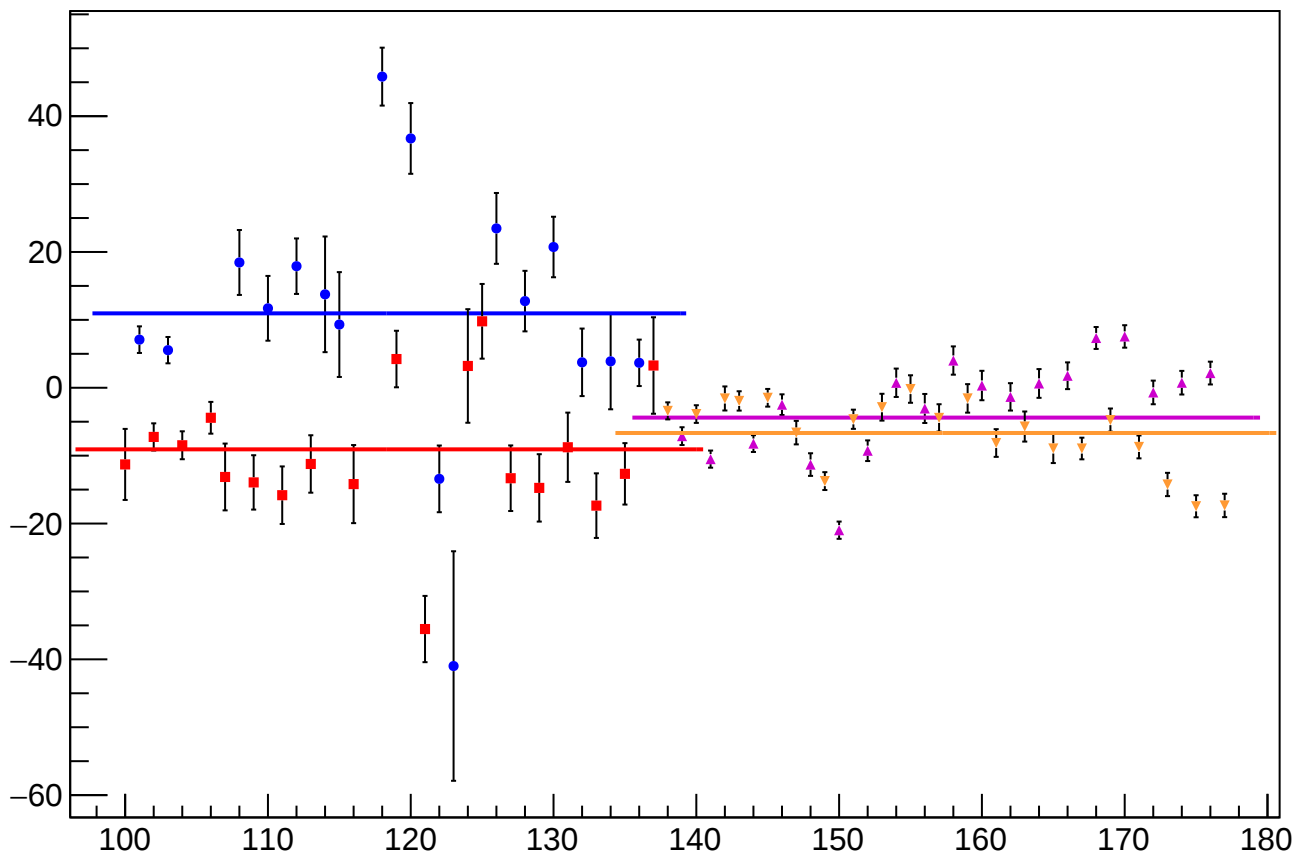
Left In: 71207.228+/-13.222 χ^2/NDF : 247496.5/18

+ sign 70037.081+/-10.520 χ^2/NDF : 716047.4/37

All: 69710.252+/-7.464 χ^2/NDF : 1317321.3/77

- sign 69378.992+/-10.591 χ^2/NDF : 599330.4/37

diff_bpm0r03Y_mean vs Slug



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

Left Out: -6.661 ± 0.358 χ^2/NDF : 207.2/20

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

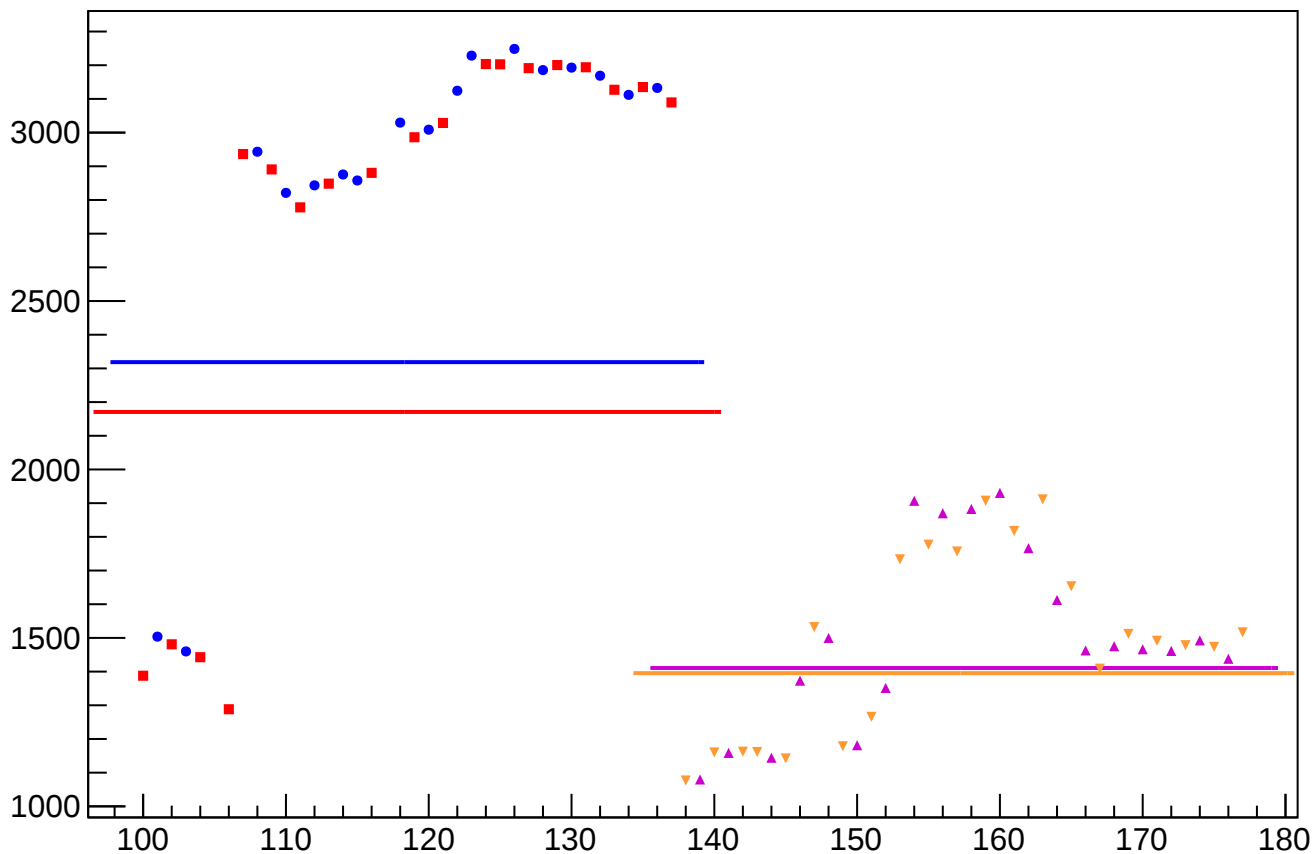
Left In: -4.396 ± 0.376 χ^2/NDF : 415.5/18

+ sign -4.446 ± 0.334 χ^2/NDF : 673.2/37

All: -4.780 ± 0.240 χ^2/NDF : 1188.4/75

- sign -5.135 ± 0.345 χ^2/NDF : 513.1/37

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1395.380 $\pm$ 0.253 χ^2 /NDF: 1012339.1/20

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

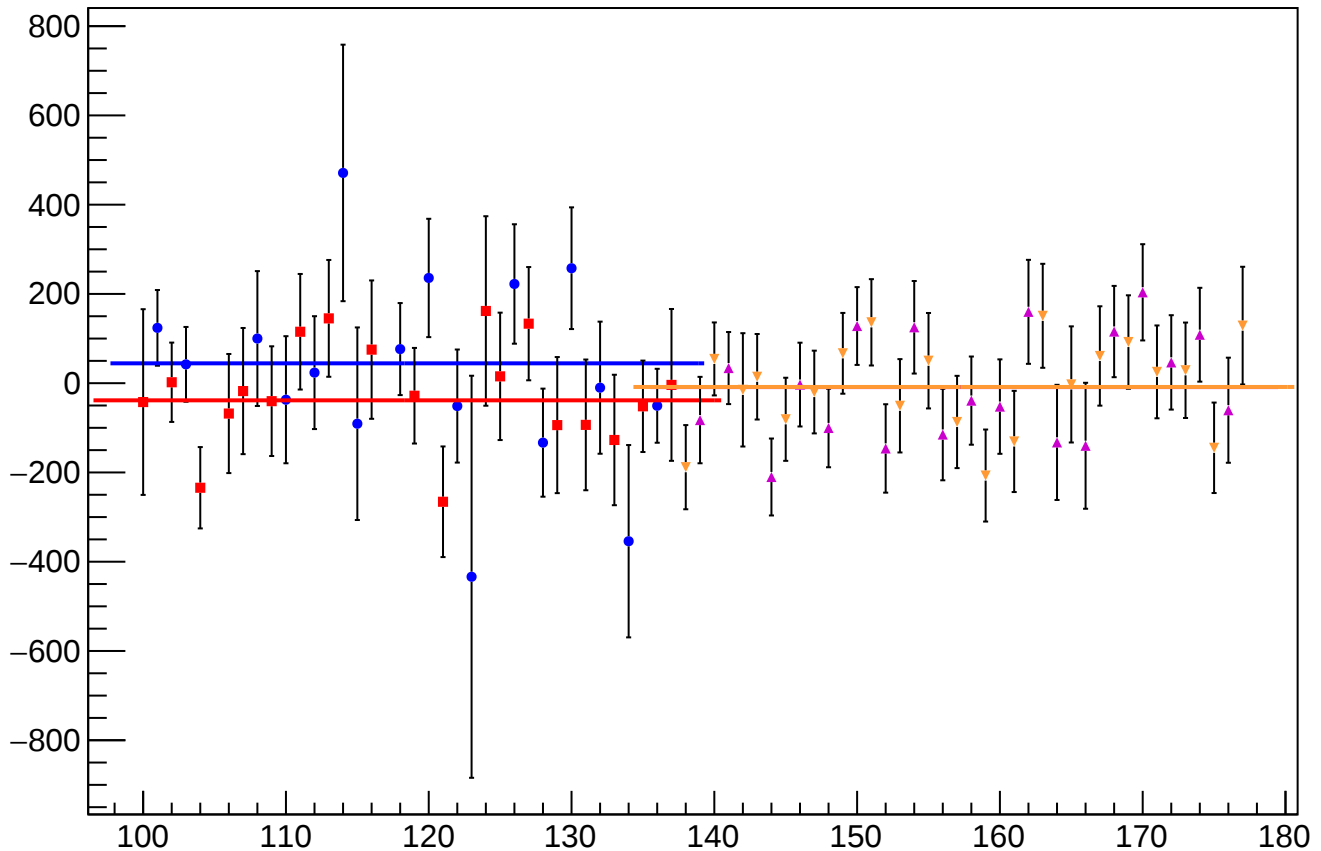
Left In: 1410.789 $\pm$ 0.266 χ^2 /NDF: 892276.2/18

+ sign 1511.454 $\pm$ 0.236 χ^2 /NDF: 4096043.1/37

All: 1520.930 $\pm$ 0.170 χ^2 /NDF: 8041023.5/75

- sign 1530.987 $\pm$ 0.244 χ^2 /NDF: 3941670.4/37

diff_bpm0r05X_mean vs Slug



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

Left Out: -8.472 ± 22.486 χ^2/NDF : 20.1/20

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

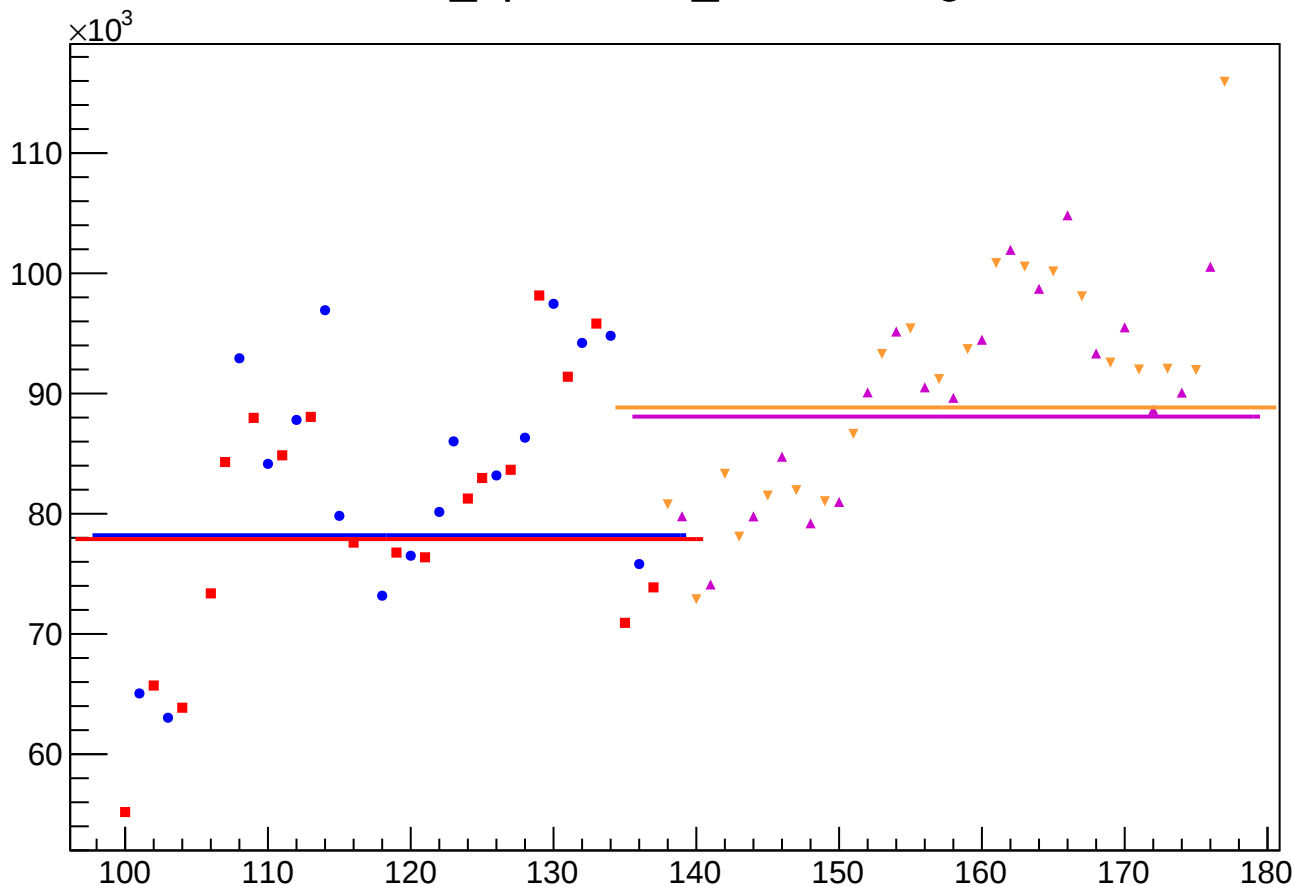
Left In: -8.709 ± 23.136 χ^2/NDF : 25.8/18

+ sign 10.229 ± 18.085 χ^2/NDF : 41.1/37

All: -4.826 ± 12.825 χ^2/NDF : 84.6/75

- sign -20.057 ± 18.190 χ^2/NDF : 42.1/37

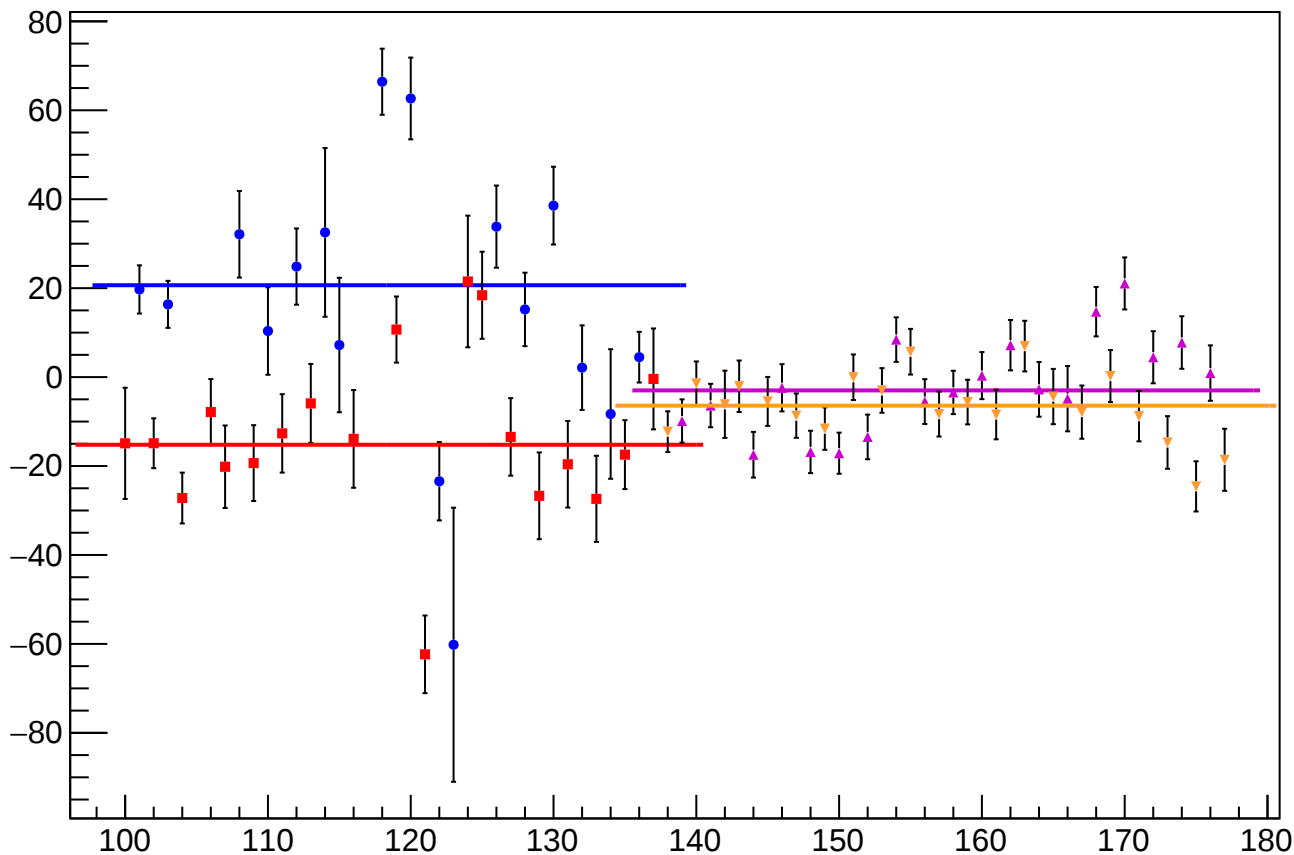
diff_bpm0r05X_rms vs Slug



Right In: 78213.025 ± 21.519 $\chi^2/\text{NDF}: 251056.7/16$
 Left Out: 88842.320 ± 15.900 $\chi^2/\text{NDF}: 339838.9/20$
 Right Out: 77891.938 ± 20.814 $\chi^2/\text{NDF}: 246970.2/18$
 Left In: 88080.190 ± 16.359 $\chi^2/\text{NDF}: 256248.9/18$

+ sign 85088.510 ± 12.788 $\chi^2/\text{NDF}: 748723.3/37$
 All: 84641.658 ± 9.068 $\chi^2/\text{NDF}: 1402507.7/140$
 - sign 84189.610 ± 12.862 $\chi^2/\text{NDF}: 651328.1/37$

diff_bpm0r05Y_mean vs Slug



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

Left Out: -6.427 ± 1.191 χ^2/NDF : 35.0/20

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

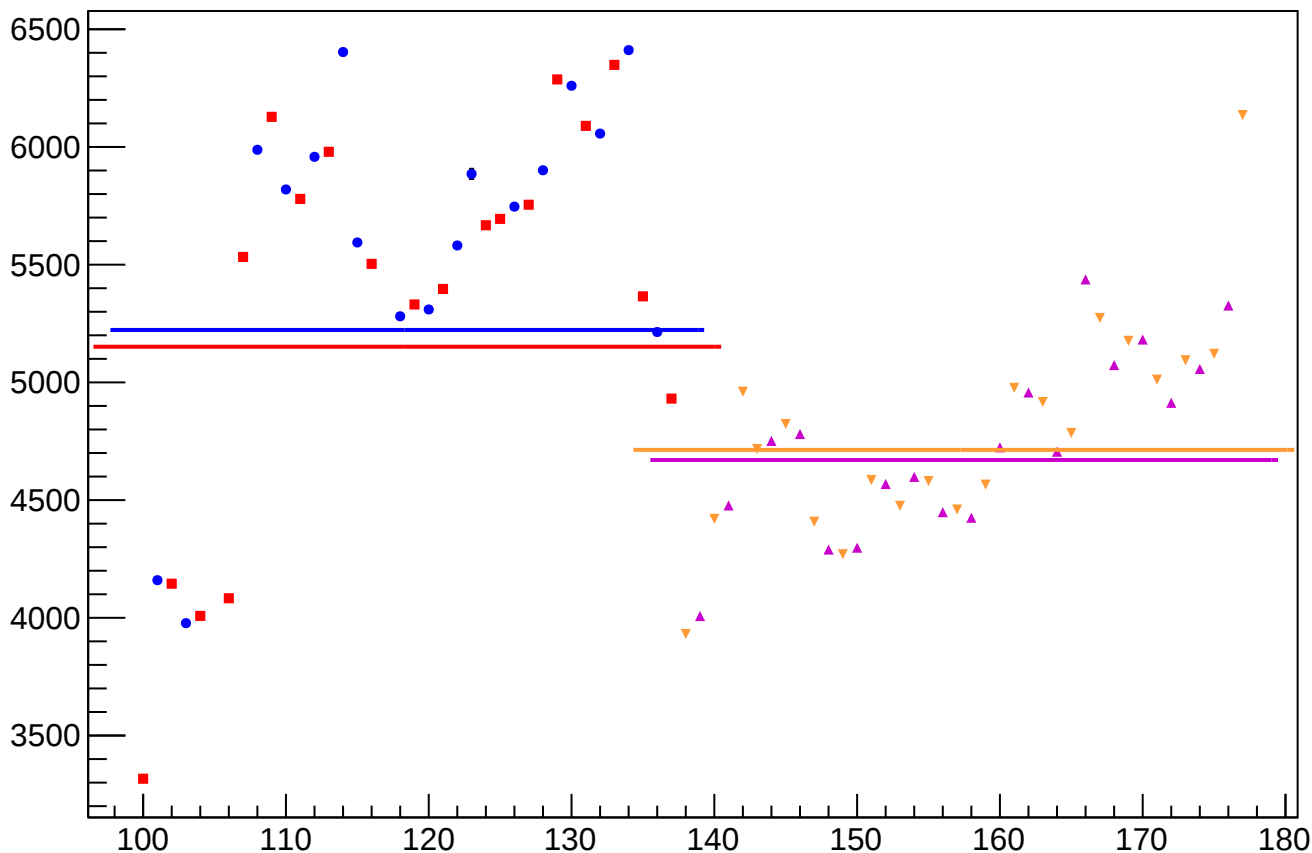
Left In: -2.990 ± 1.225 χ^2/NDF : 74.1/18

+ sign 0.480 ± 1.028 χ^2/NDF : 284.6/37

All: -2.946 ± 0.730 χ^2/NDF : 480.5/75

- sign -6.438 ± 1.038 χ^2/NDF : 173.5/37

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4713.417+/-0.842 χ^2/NDF : 251294.0/20

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

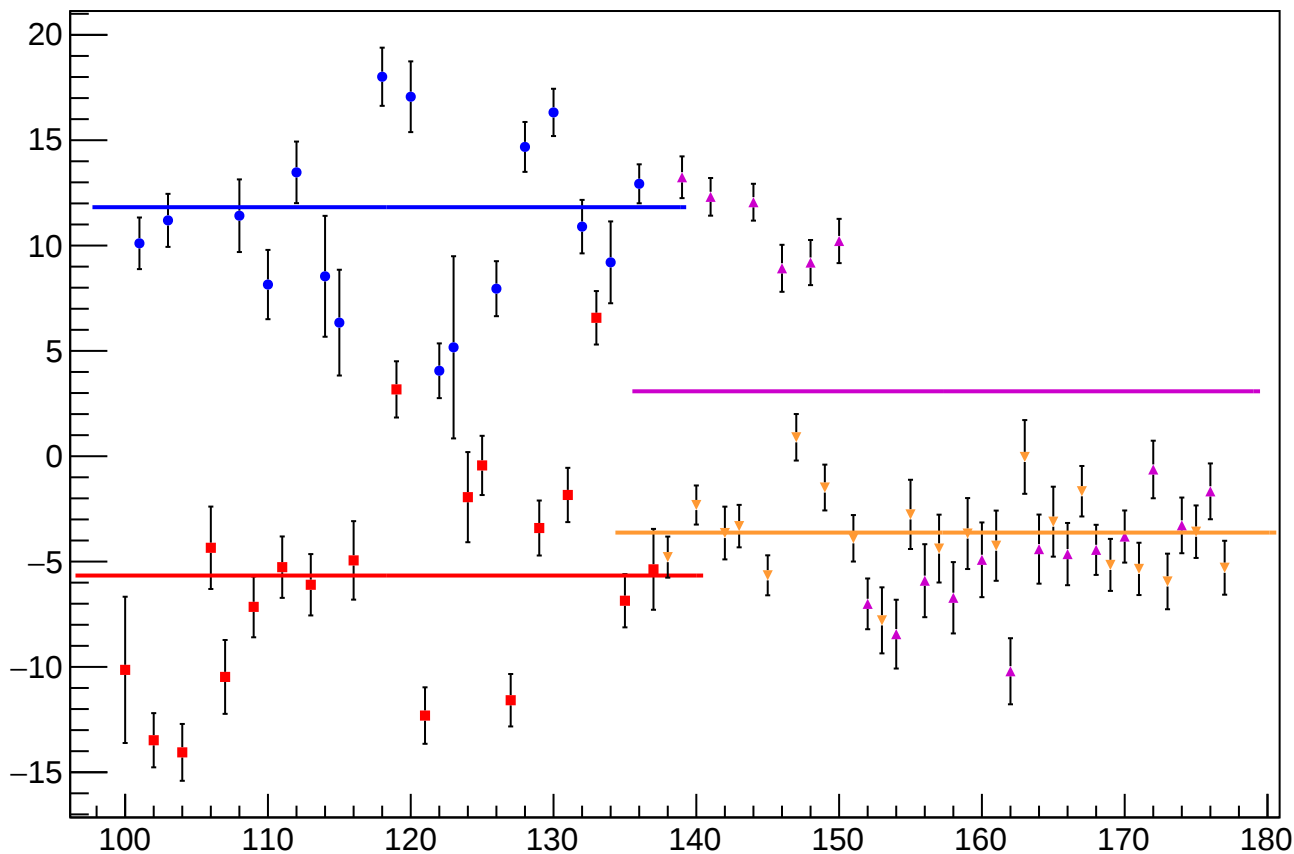
Left In: 4670.346+/-0.866 χ^2/NDF : 164684.4/18

+ sign 4843.301+/-0.727 χ^2/NDF : 657056.4/37

All: 4824.844+/-0.516 χ^2/NDF : 1297750.5/75

- sign 4806.029+/-0.734 χ^2/NDF : 639392.3/37

diff_bpm2i01X_mean vs Slug



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

Left Out: -3.624 $\pm$ 0.269 χ^2 /NDF: 51.7/20

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

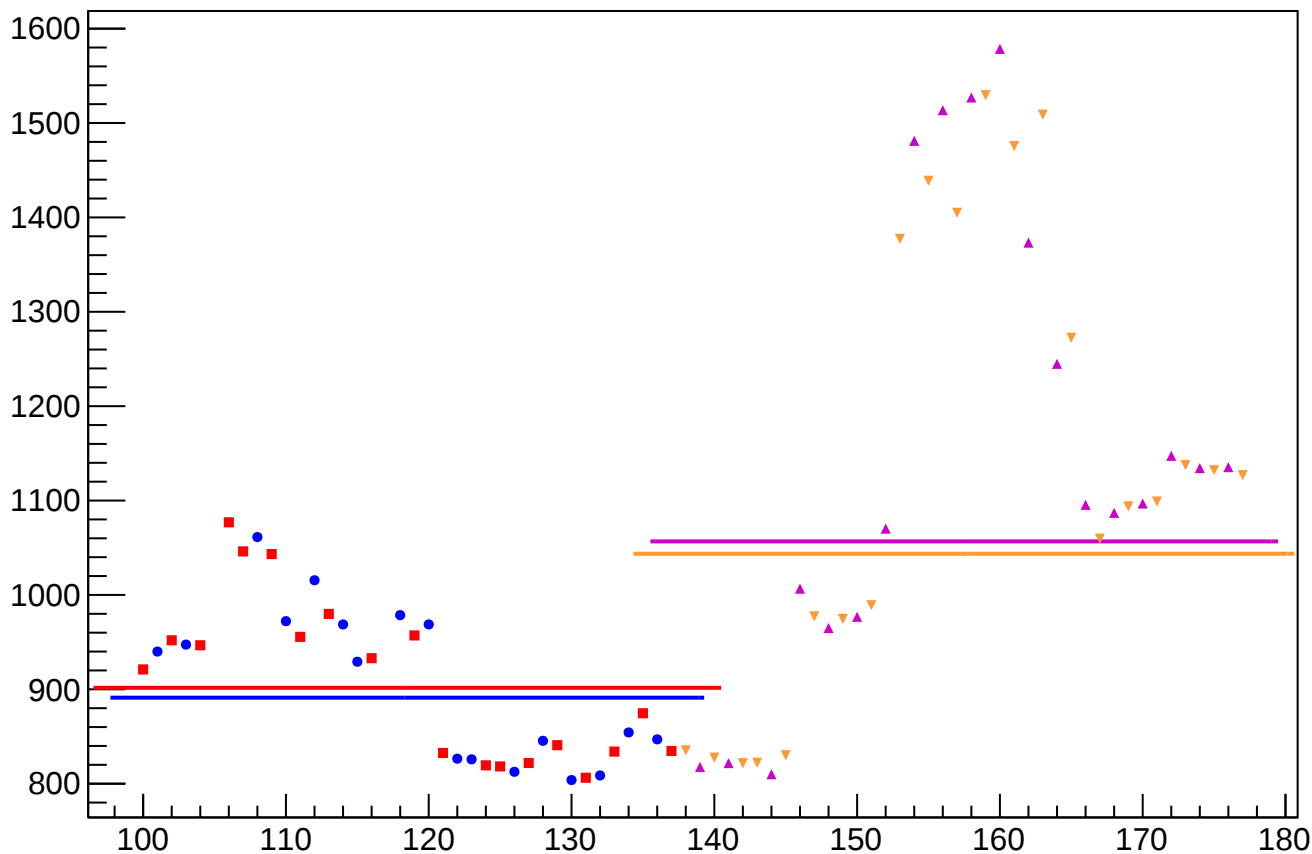
Left In: 3.082 $\pm$ 0.283 χ^2 /NDF: 858.5/18

+ sign 2.223 $\pm$ 0.212 χ^2 /NDF: 1417.8/37

All: 0.887 $\pm$ 0.152 χ^2 /NDF: 3050.8/75

- sign -0.514 $\pm$ 0.217 χ^2 /NDF: 1551.6/37

diff_bpm2i01X_rms vs Slug



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

Left Out: 1043.668 ± 0.190 χ^2/NDF : 1304220.3/20

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

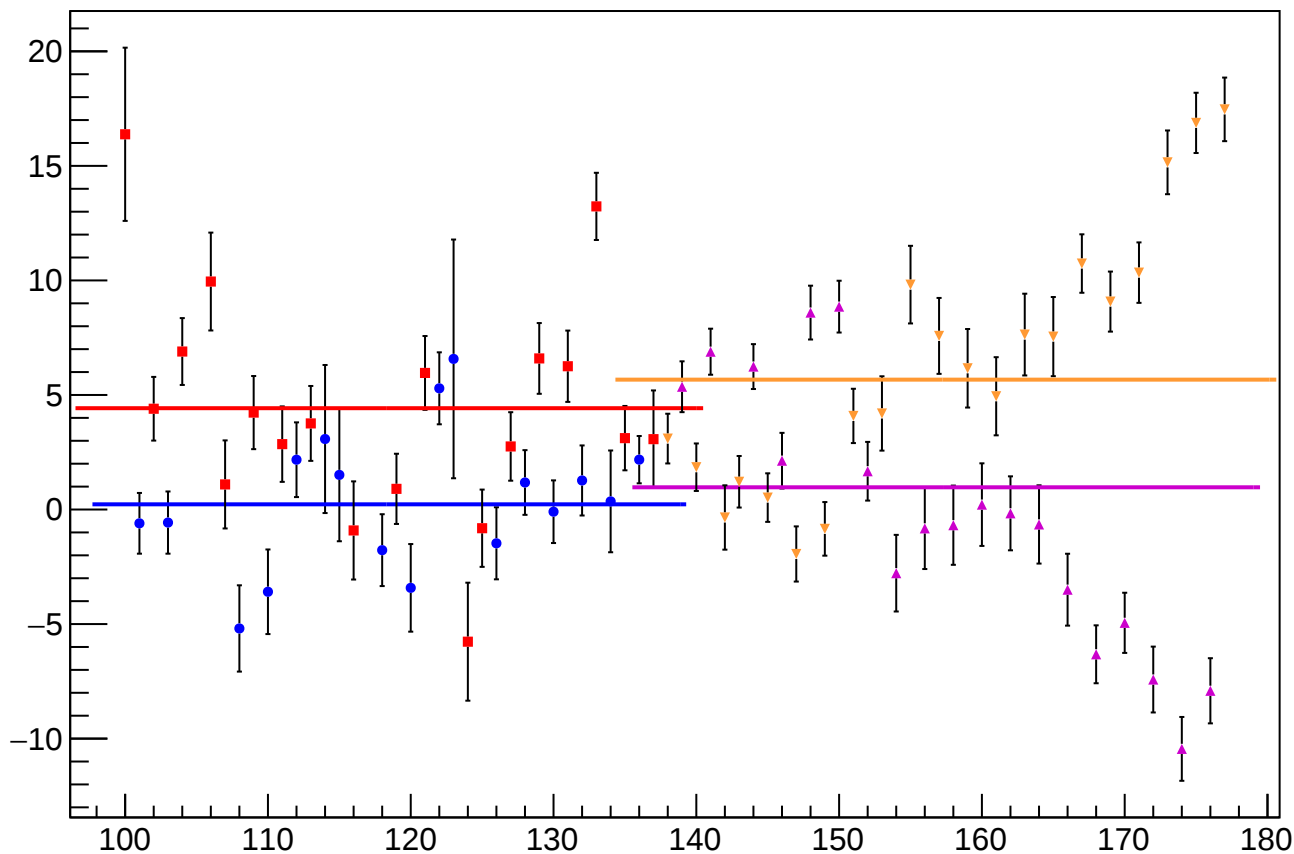
Left In: 1056.718 ± 0.200 χ^2/NDF : 1181400.0/18

+ sign 985.924 ± 0.150 χ^2/NDF : 1649478.1/37

All: 989.343 ± 0.107 χ^2/NDF : 3193907.1/75

- sign 992.927 ± 0.153 χ^2/NDF : 1543363.4/37

diff_bpm2i01Y_mean vs Slug



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

Left Out: 5.669 ± 0.290 χ^2/NDF : 386.9/20

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

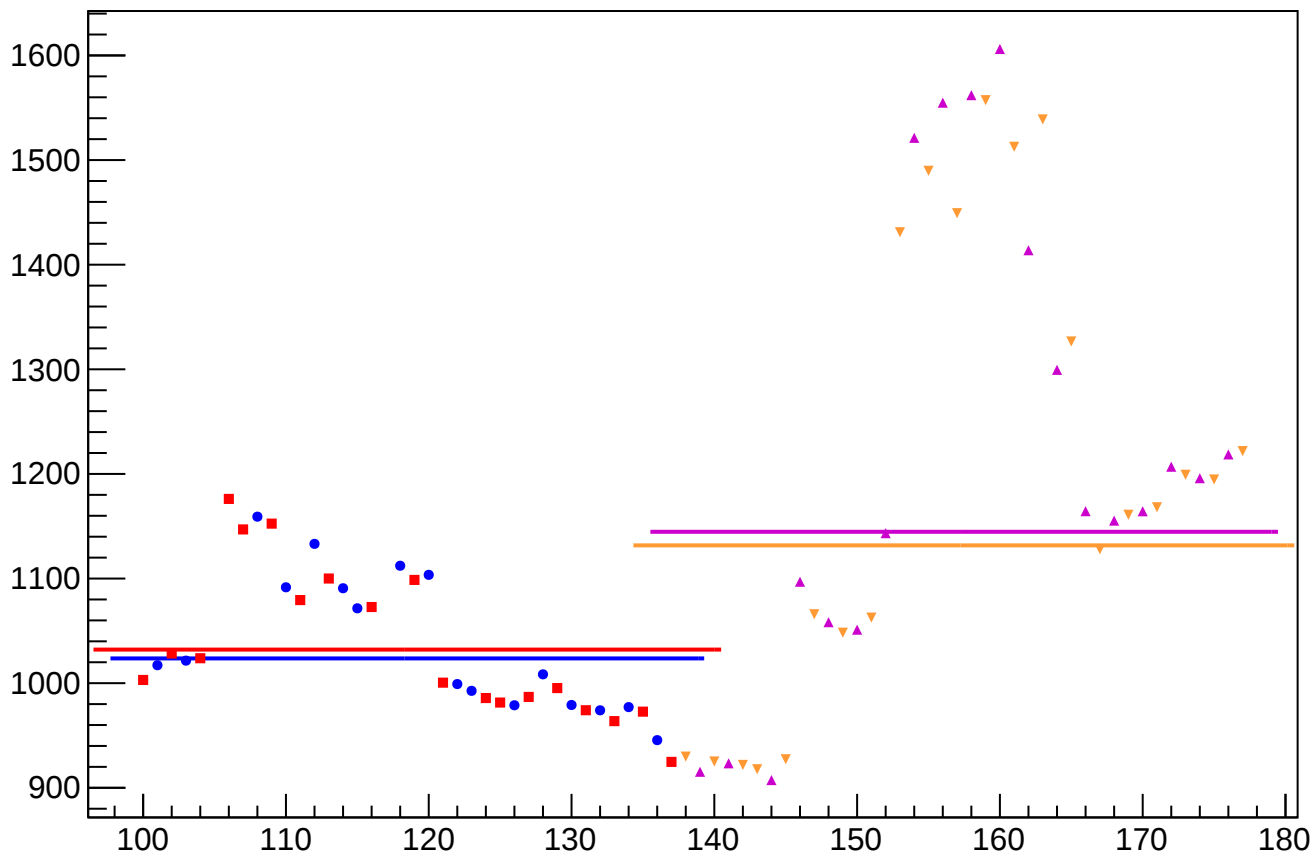
Left In: 0.970 ± 0.304 χ^2/NDF : 381.8/18

+ sign 3.765 ± 0.234 χ^2/NDF : 548.8/37

All: 3.046 ± 0.167 χ^2/NDF : 1102.6/75

- sign 2.291 ± 0.239 χ^2/NDF : 534.3/37

diff_bpm2i01Y_rms vs Slug



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

Left Out: 1131.718+/-0.205 χ^2/NDF : 966751.3/20

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

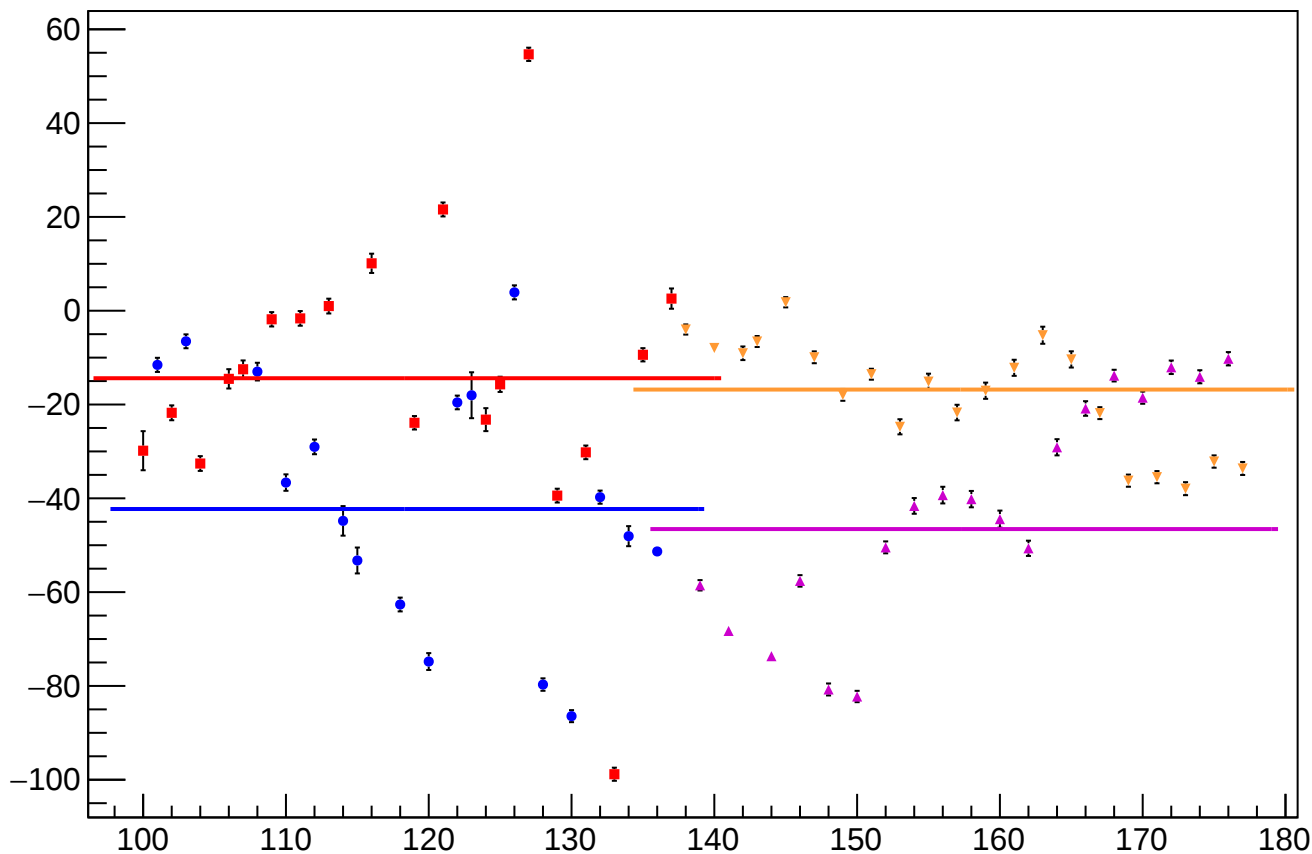
Left In: 1144.692+/-0.215 χ^2/NDF : 868049.1/18

+ sign 1093.909+/-0.165 χ^2/NDF : 1116448.9/37

All: 1097.670+/-0.118 χ^2/NDF : 2149602.1/75

- sign 1101.613+/-0.169 χ^2/NDF : 1032091.8/37

diff_bpm2i02X_mean vs Slug



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

Left Out: -16.810 ± 0.294 χ^2/NDF : 1694.2/20

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

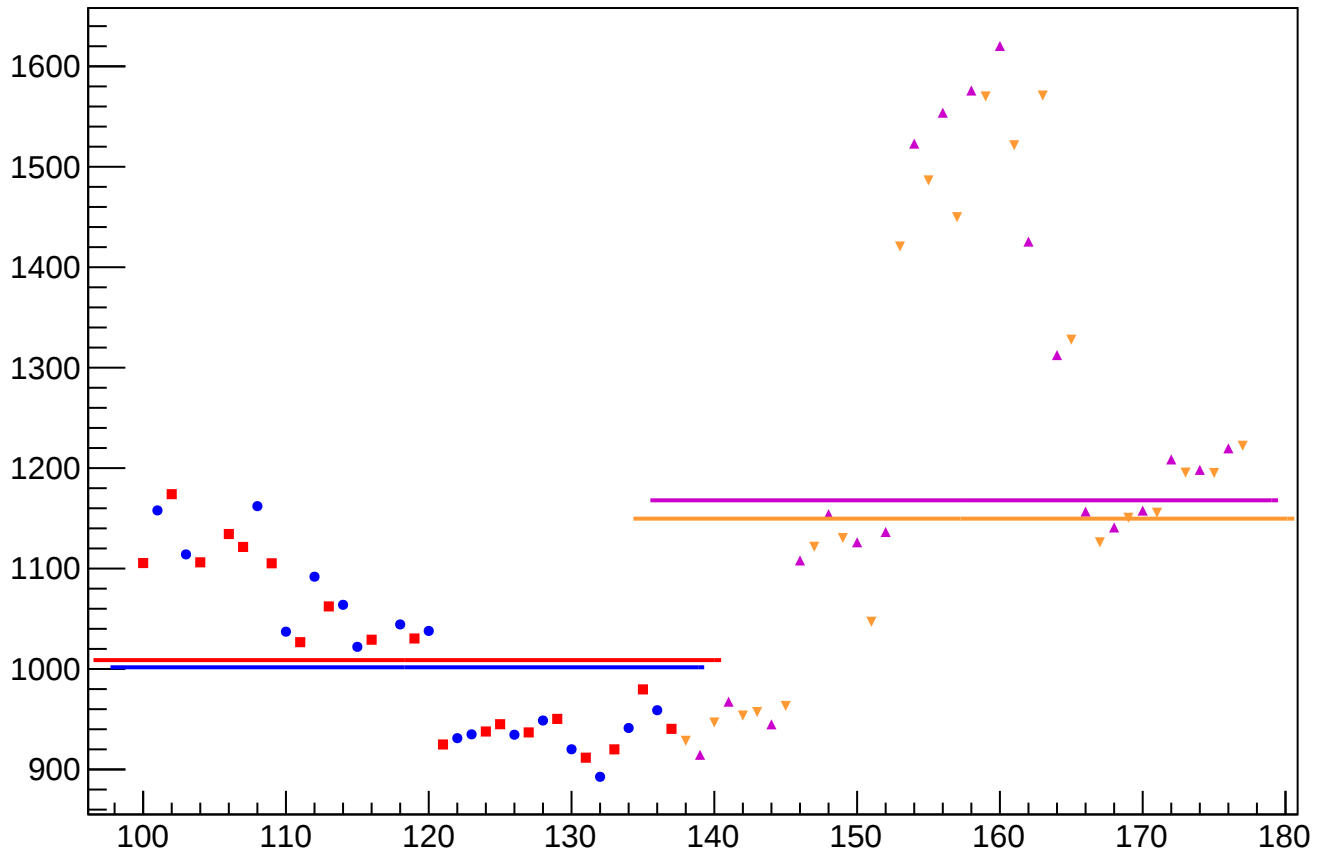
Left In: -46.554 ± 0.310 χ^2/NDF : 6255.3/18

+ sign -26.125 ± 0.234 χ^2/NDF : 9566.2/37

All: -29.787 ± 0.168 χ^2/NDF : 28312.5/75

- sign -33.631 ± 0.240 χ^2/NDF : 18244.8/37

diff_bpm2i02X_rms vs Slug



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

Left Out: 1149.690 $\pm$ 0.208 χ^2 /NDF: 873192.4/20

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

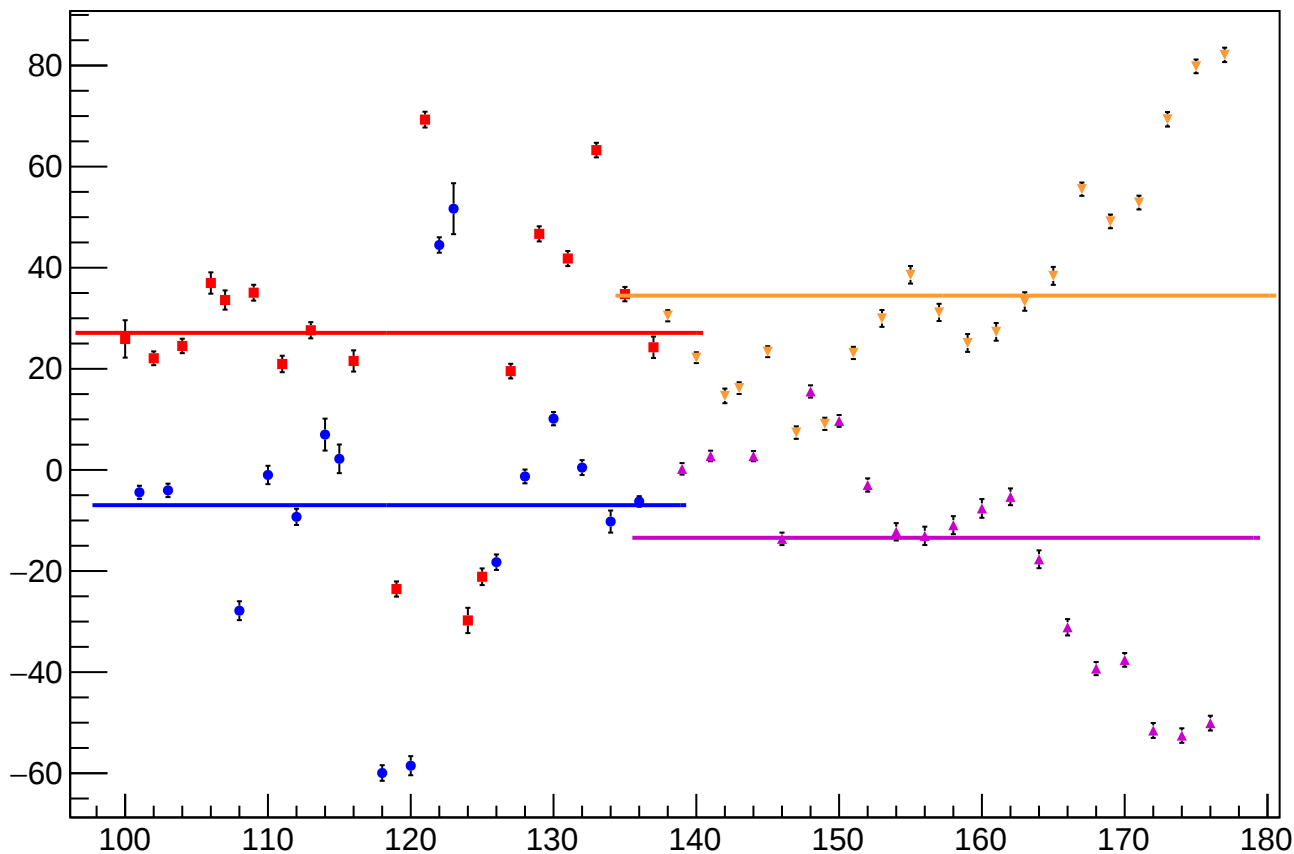
Left In: 1167.941 $\pm$ 0.219 χ^2 /NDF: 768766.6/18

+ sign 1095.566 $\pm$ 0.166 χ^2 /NDF: 1154036.0/37

All: 1099.688 $\pm$ 0.118 χ^2 /NDF: 2230833.7/75

- sign 1104.015 $\pm$ 0.170 χ^2 /NDF: 1075527.2/37

diff_bpm2i02Y_mean vs Slug



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

Left Out: 34.481 ± 0.298 χ^2/NDF : 5126.2/20

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

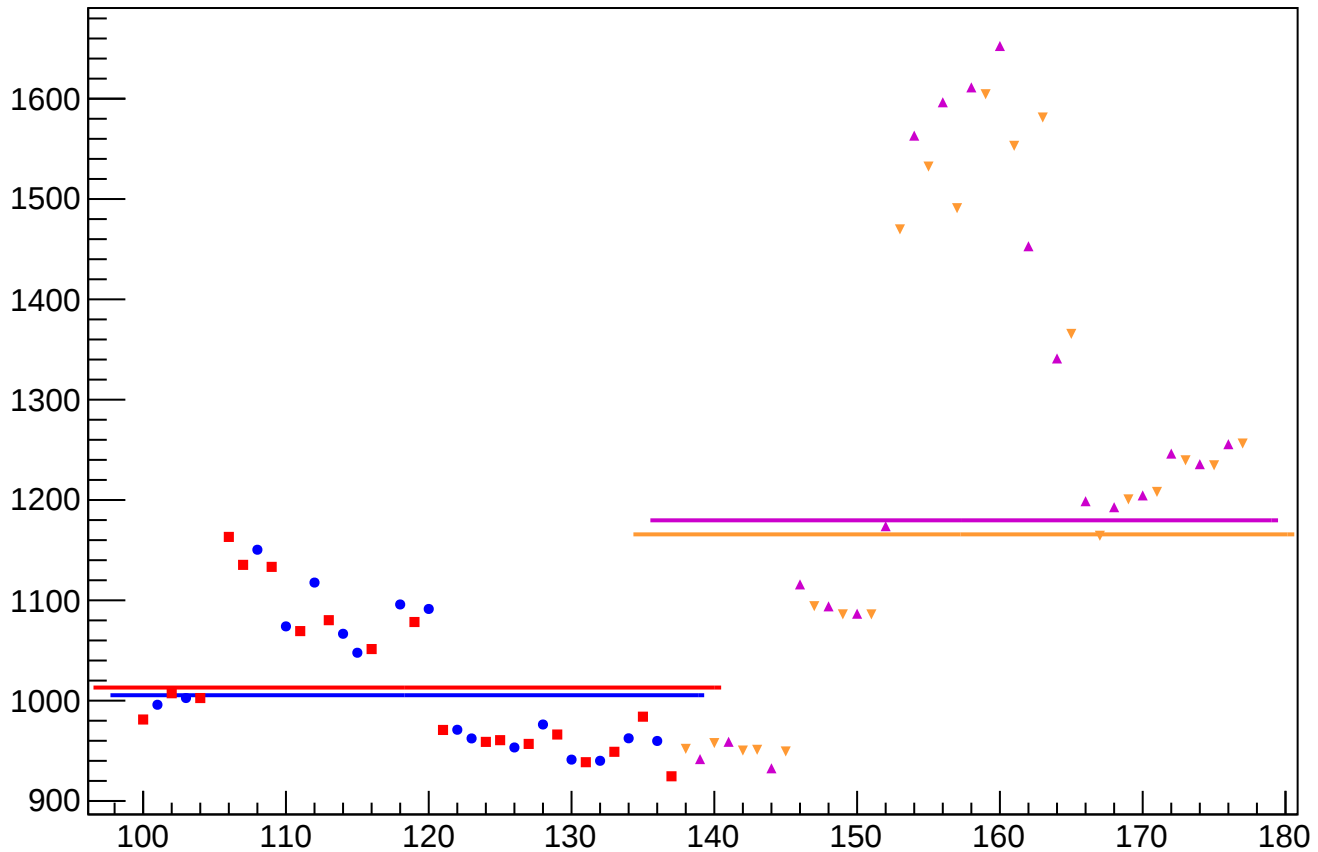
Left In: -13.425 ± 0.314 χ^2/NDF : 4559.0/18

+ sign 19.070 ± 0.237 χ^2/NDF : 15936.4/37

All: 11.225 ± 0.169 χ^2/NDF : 33805.8/75

- sign 3.027 ± 0.242 χ^2/NDF : 15620.1/37

diff_bpm2i02Y_rms vs Slug



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

Left Out: 1165.745 $\pm$ 0.211 χ^2 /NDF: 964023.8/20

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

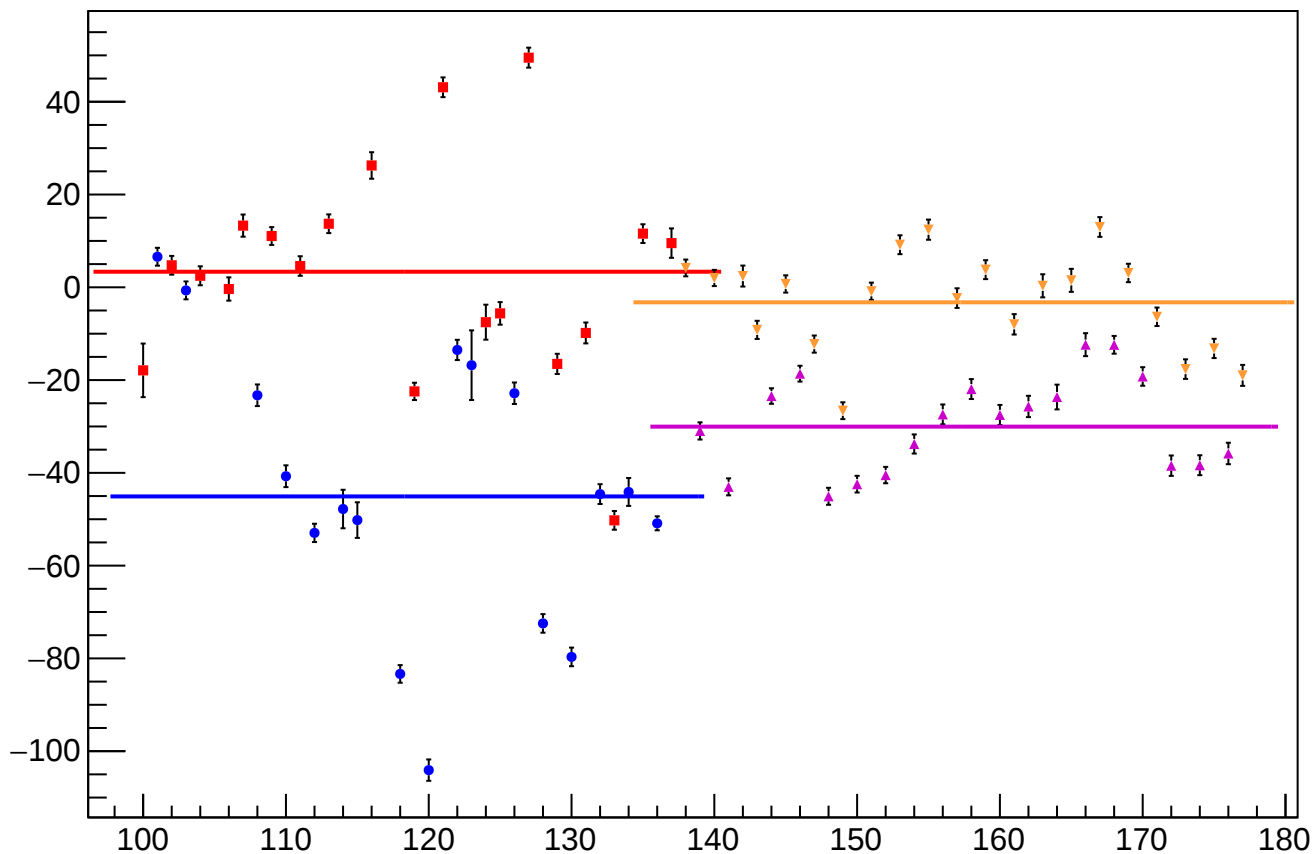
Left In: 1179.742 $\pm$ 0.222 χ^2 /NDF: 861012.7/18

+ sign 1106.140 $\pm$ 0.167 χ^2 /NDF: 1233225.1/37

All: 1109.055 $\pm$ 0.120 χ^2 /NDF: 2387251.8/75

- sign 1112.102 $\pm$ 0.171 χ^2 /NDF: 1153405.5/37

diff_bpm0i02X_mean vs Slug



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

Left Out: -3.239 ± 0.443 χ^2/NDF : 537.5/20

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

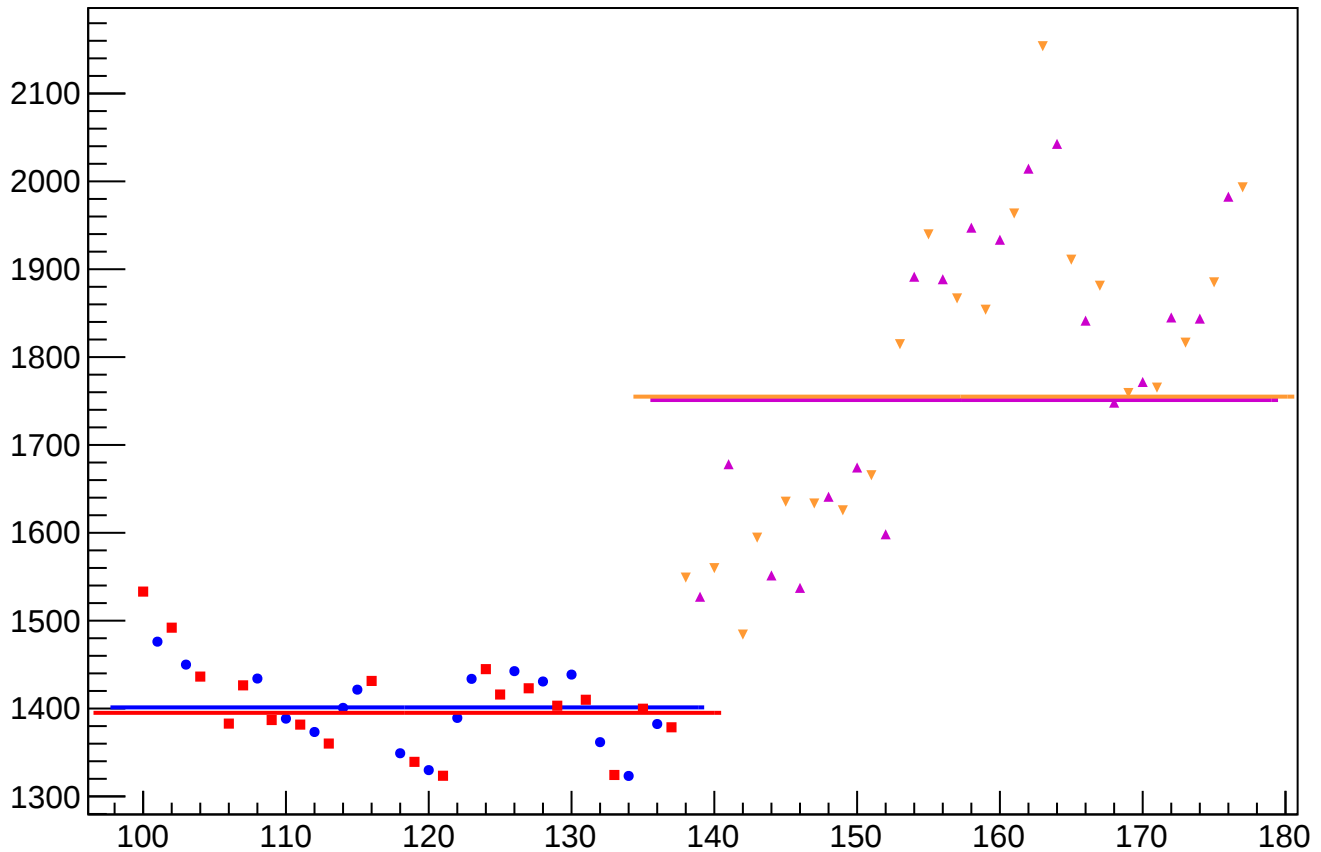
Left In: -30.038 ± 0.460 χ^2/NDF : 491.3/18

+ sign -20.094 ± 0.343 χ^2/NDF : 7365.1/37

All: -17.783 ± 0.243 χ^2/NDF : 12259.1/75

- sign -15.439 ± 0.345 χ^2/NDF : 4802.4/37

diff_bpm0i02X_rms vs Slug



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

Left Out: 1754.991+/-0.313 χ^2/NDF : 267077.2/20

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

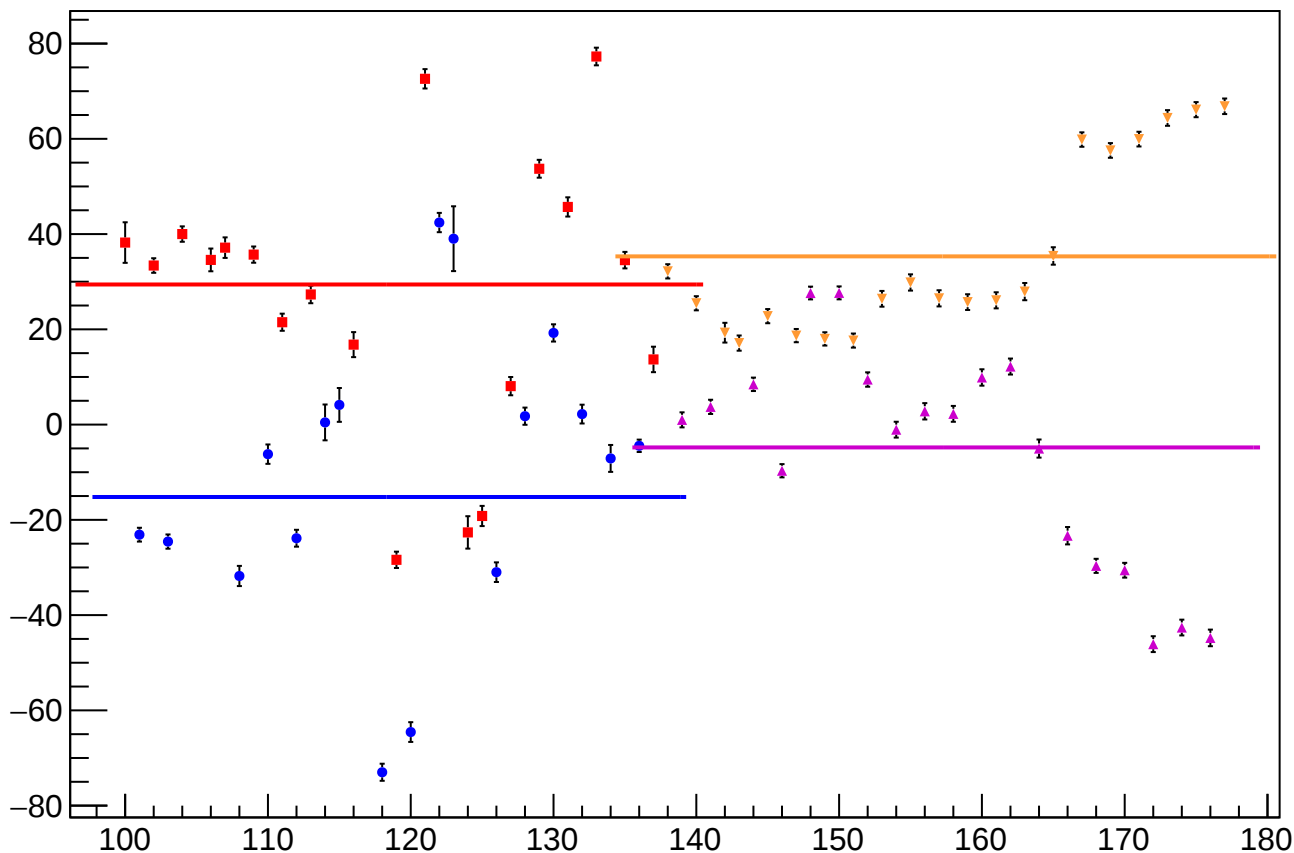
Left In: 1751.139+/-0.325 χ^2/NDF : 246912.4/18

+ sign 1612.519+/-0.242 χ^2/NDF : 792871.7/37

All: 1604.070+/-0.172 χ^2/NDF : 1581806.0/75

- sign 1595.498+/-0.244 χ^2/NDF : 786482.8/37

diff_bpm0i02Y_mean vs Slug



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

Left Out: 35.319 ± 0.348 χ^2/NDF : 2679.4/20

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

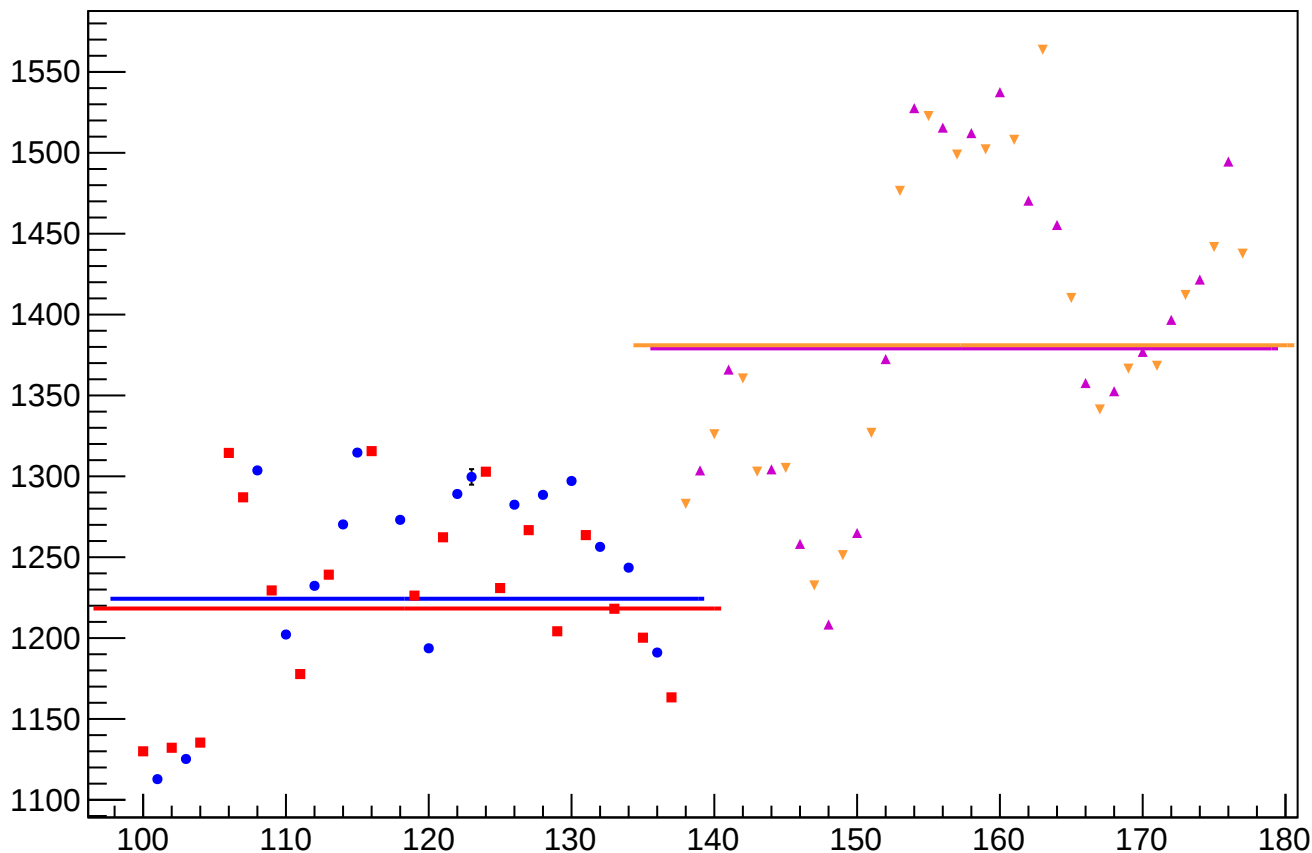
Left In: -4.794 ± 0.361 χ^2/NDF : 3931.5/18

+ sign 17.524 ± 0.280 χ^2/NDF : 13459.4/37

All: 13.009 ± 0.199 χ^2/NDF : 24916.8/75

- sign 8.395 ± 0.283 χ^2/NDF : 10932.4/37

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1381.029+/-0.246 χ^2/NDF : 144937.7/20

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

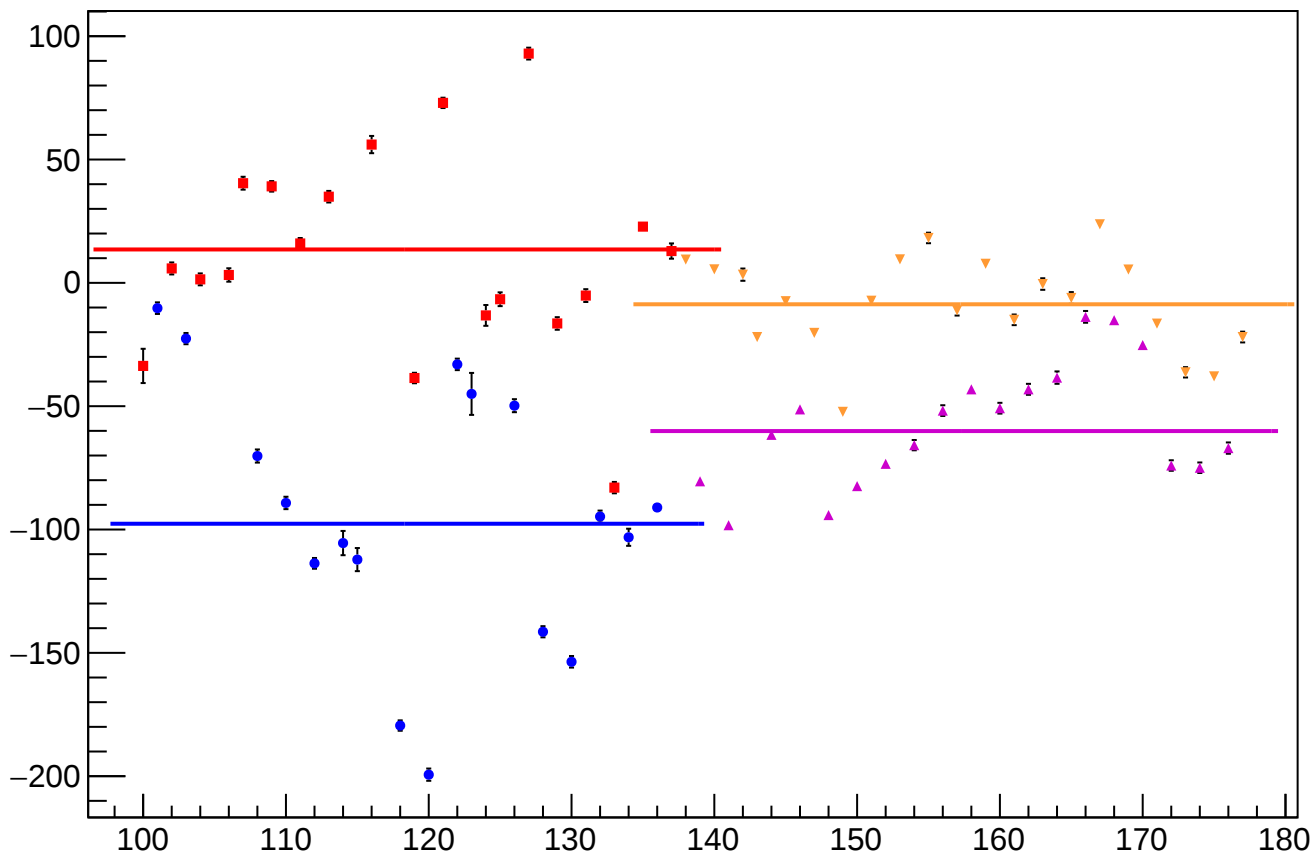
Left In: 1379.094+/-0.256 χ^2/NDF : 150604.3/18

+ sign 1325.831+/-0.198 χ^2/NDF : 326454.4/37

All: 1321.510+/-0.141 χ^2/NDF : 658319.3/75

- sign 1317.095+/-0.200 χ^2/NDF : 330903.4/37

diff_bpm0i02aX_mean vs Slug



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

Left Out: -8.684 ± 0.440 χ^2/NDF : 1911.8/20

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

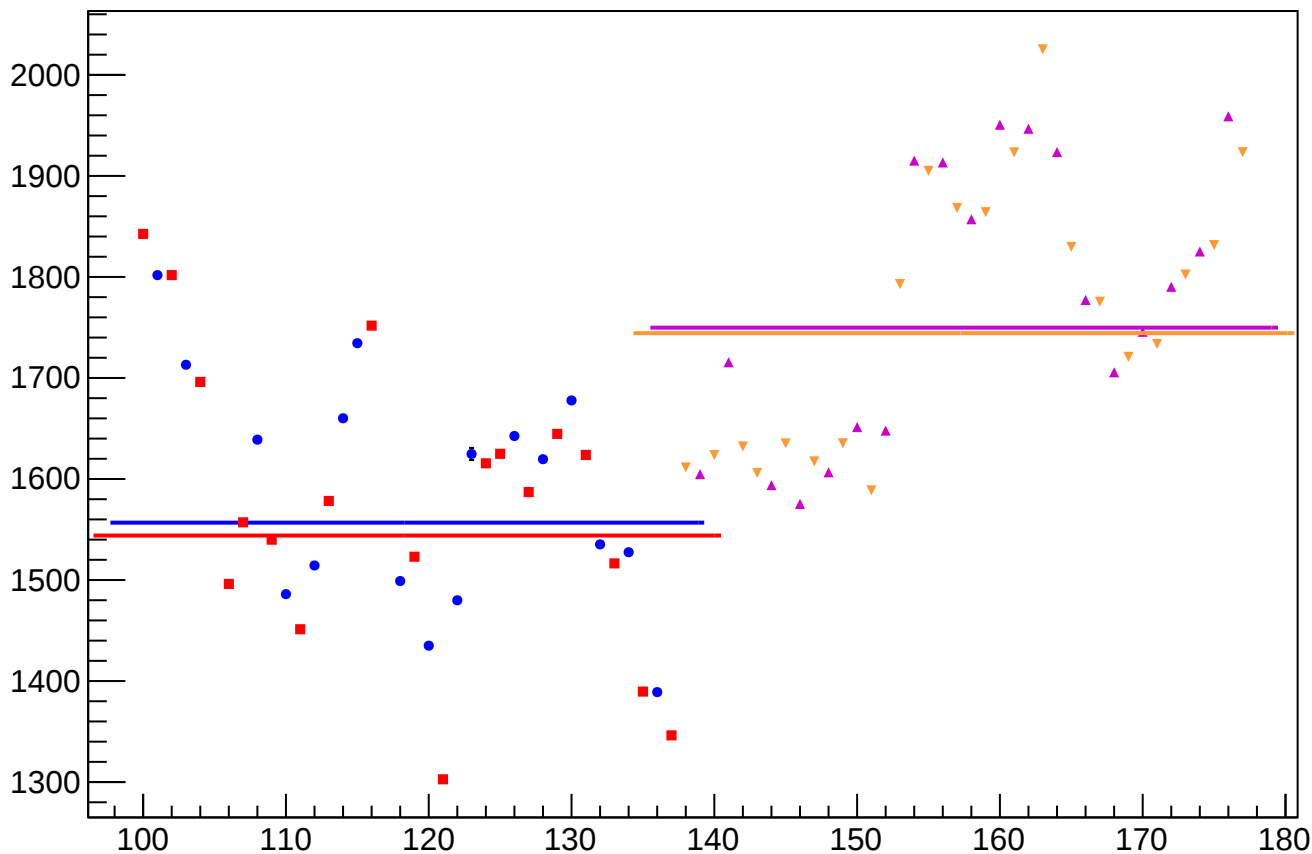
Left In: -60.084 ± 0.459 χ^2/NDF : 2737.5/18

+ sign -39.705 ± 0.355 χ^2/NDF : 24108.2/37

All: -35.763 ± 0.253 χ^2/NDF : 42149.8/75

- sign -31.719 ± 0.360 χ^2/NDF : 17791.8/37

diff_bpm0i02aX_rms vs Slug



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

Left Out: 1744.361 $\pm$ 0.311 χ^2 /NDF: 162507.5/20

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

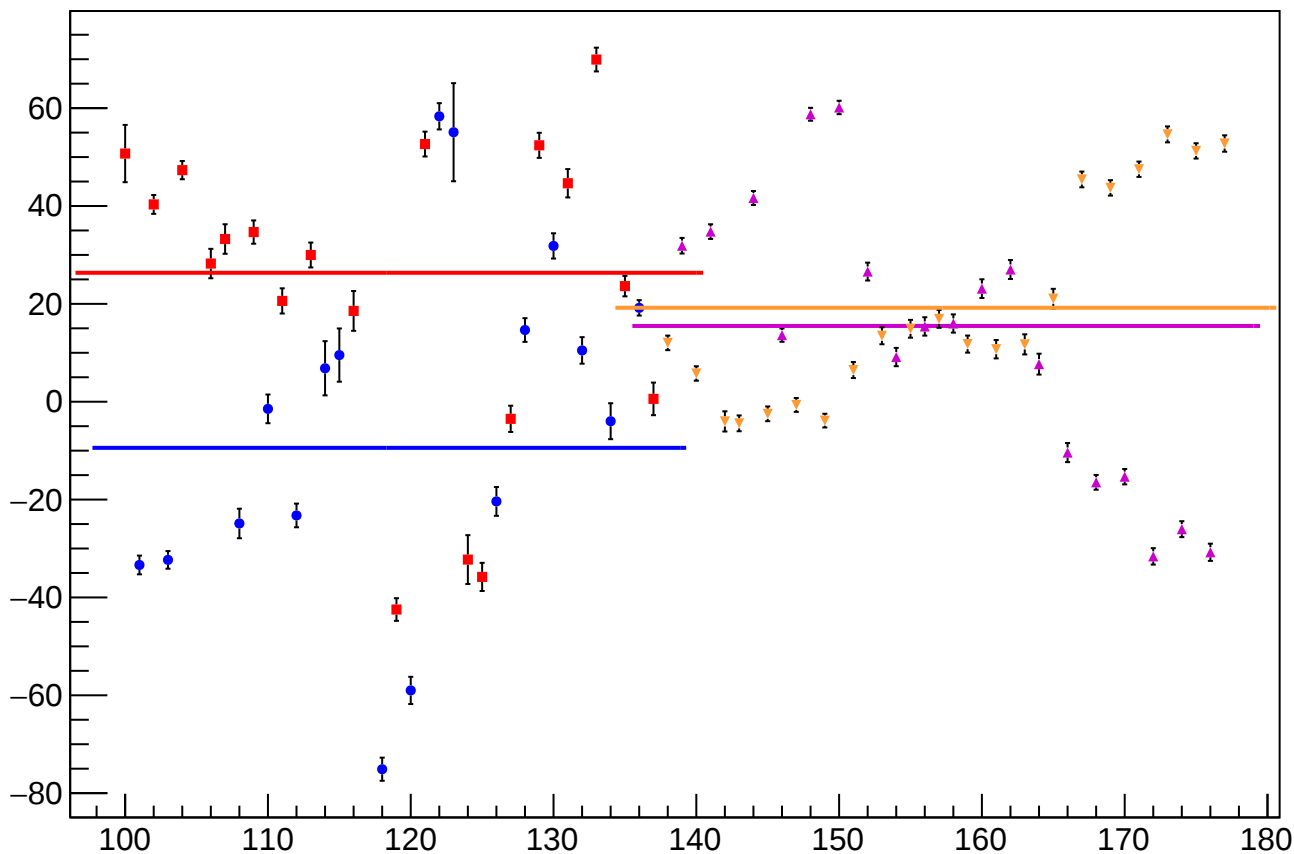
Left In: 1749.809 $\pm$ 0.324 χ^2 /NDF: 166433.9/18

+ sign 1678.966 $\pm$ 0.251 χ^2 /NDF: 370797.7/37

All: 1674.801 $\pm$ 0.179 χ^2 /NDF: 793378.1/75

- sign 1670.528 $\pm$ 0.254 χ^2 /NDF: 422022.8/37

diff_bpm0i02aY_mean vs Slug



Right In: -9.427 ± 0.626 χ^2/NDF : 2924.1/16

Left Out: 19.204 ± 0.360 χ^2/NDF : 3377.2/20

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

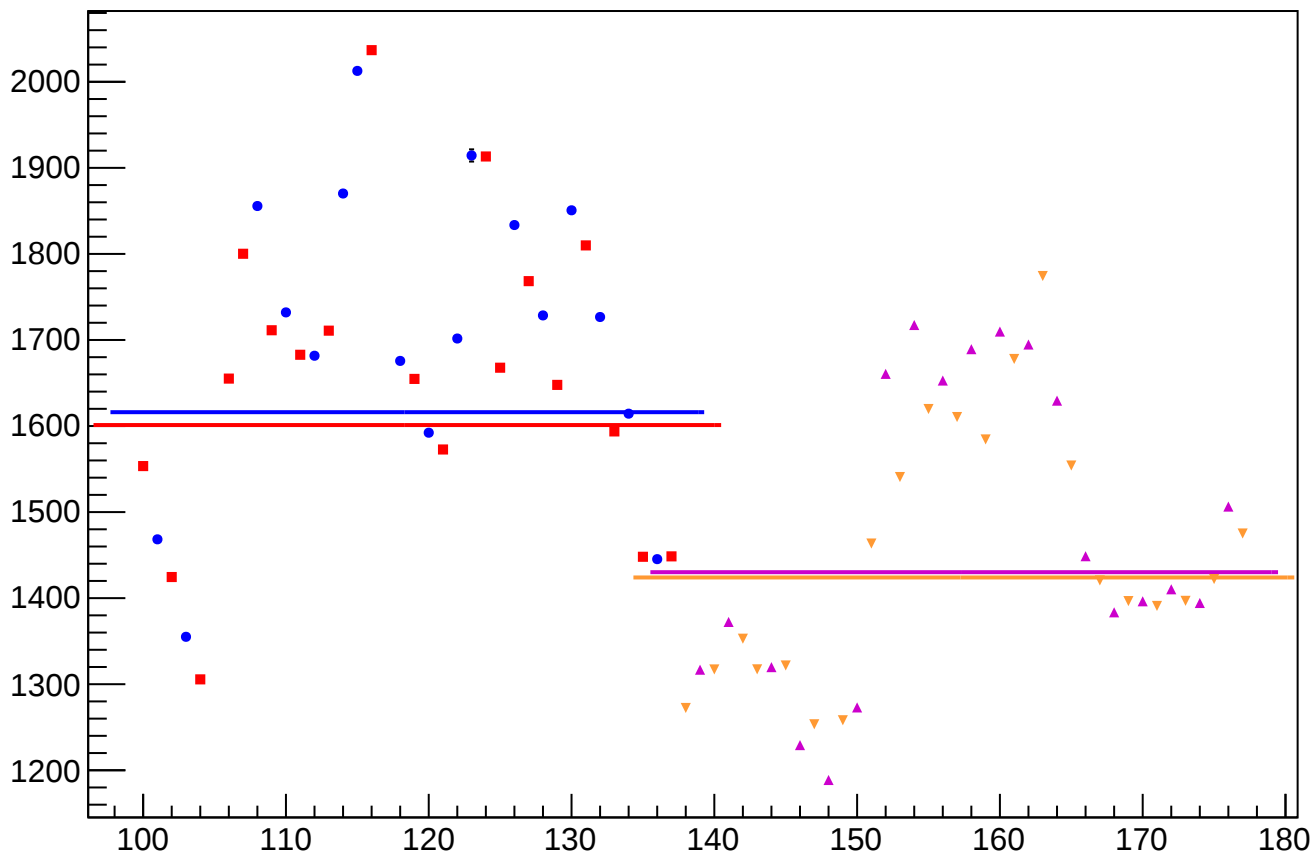
Left In: 15.486 ± 0.377 χ^2/NDF : 5992.0/18

+ sign 12.092 ± 0.312 χ^2/NDF : 7871.3/37

All: 15.241 ± 0.223 χ^2/NDF : 16777.4/75

- sign 18.538 ± 0.319 χ^2/NDF : 8697.9/37

diff_bpm0i02aY_rms vs Slug



Right In: 1616.094+/-0.443 χ^2/NDF : 149596.3/16

Left Out: 1424.026+/-0.255 χ^2/NDF : 286535.7/20

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

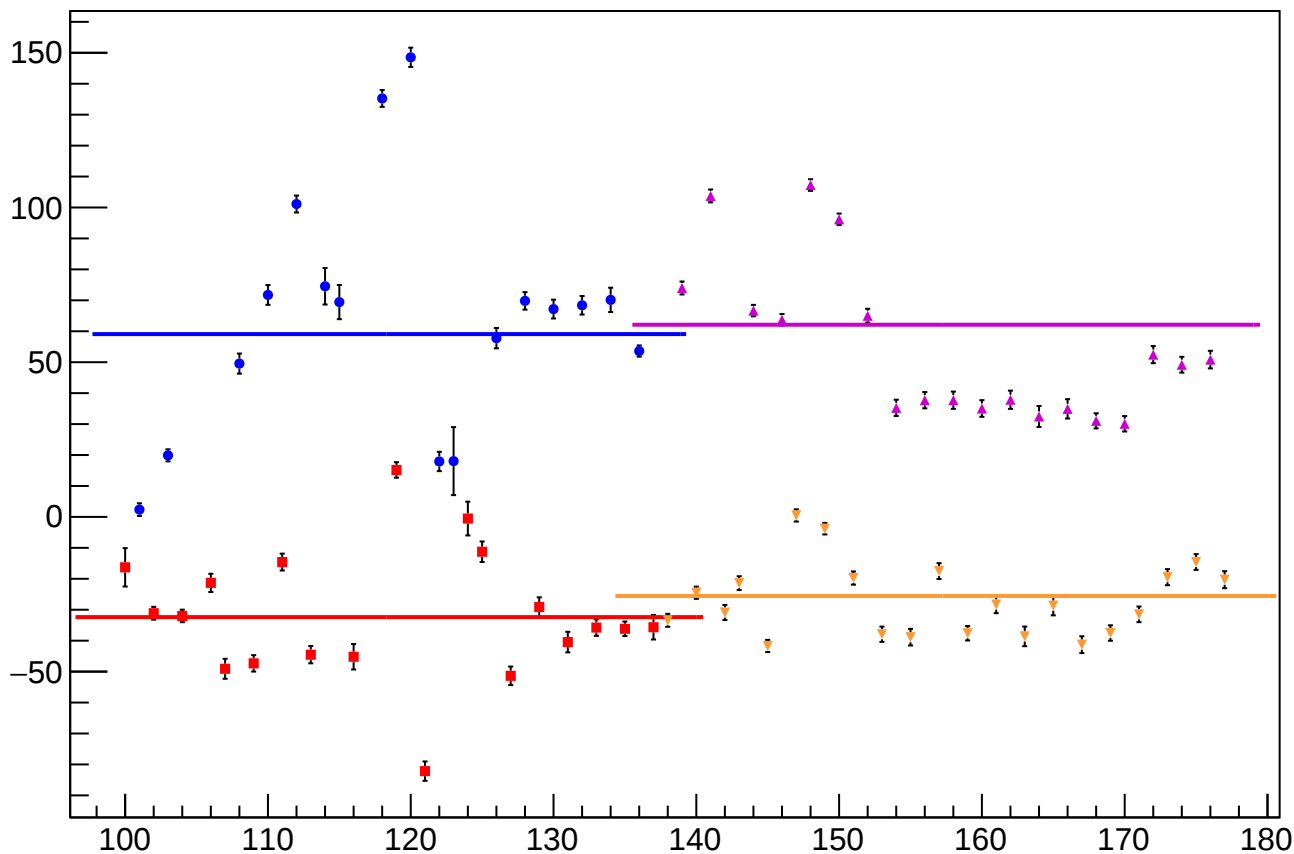
Left In: 1430.163+/-0.266 χ^2/NDF : 412913.0/18

+ sign 1471.735+/-0.221 χ^2/NDF : 577434.4/37

All: 1474.880+/-0.158 χ^2/NDF : 1260128.6/75

- sign 1478.173+/-0.226 χ^2/NDF : 682278.7/37

diff_bpm0i05X_mean vs Slug



Right In: 59.081 ± 0.699 χ^2/NDF : 3293.6/16

Left Out: -25.556 ± 0.518 χ^2/NDF : 601.3/20

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

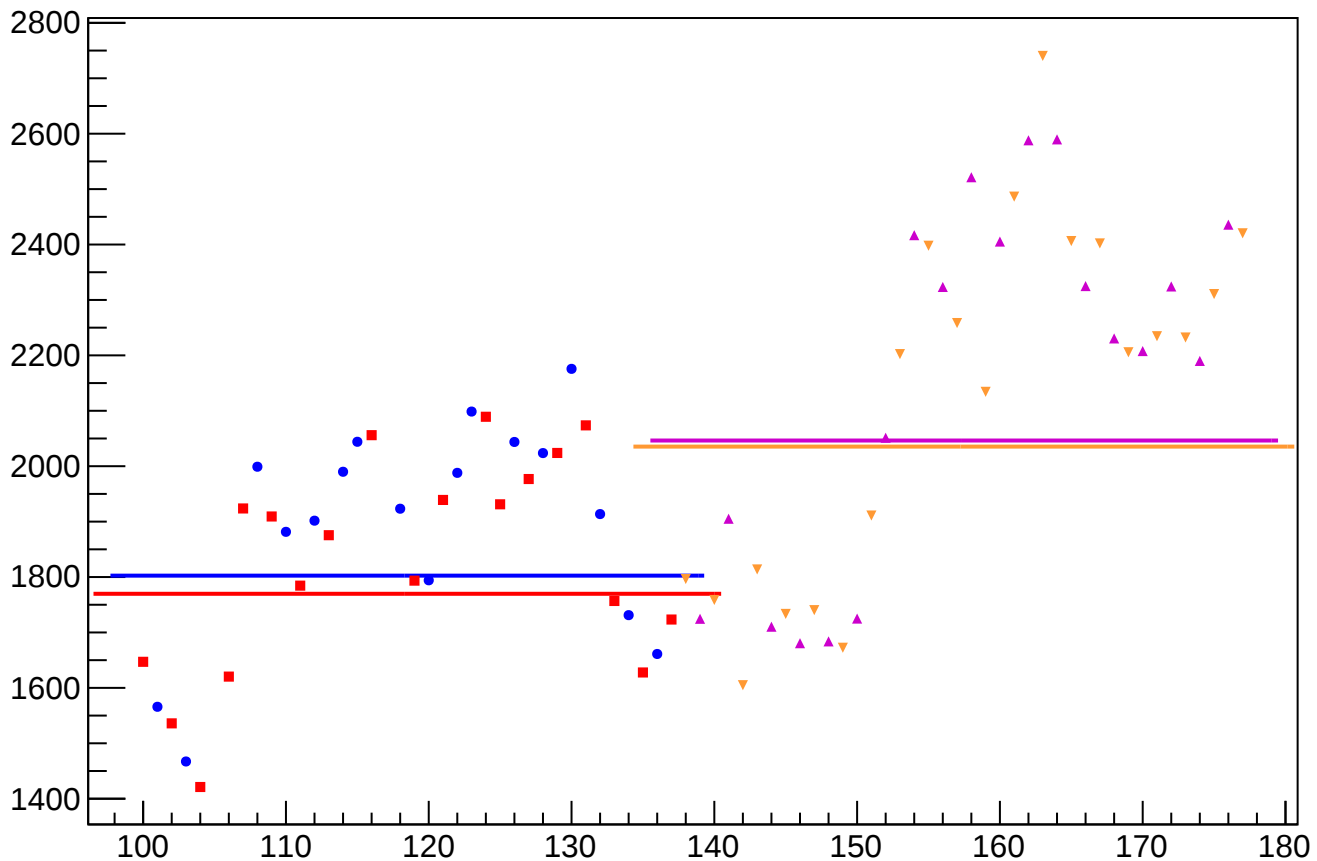
Left In: 62.107 ± 0.542 χ^2/NDF : 2322.8/18

+ sign 4.433 ± 0.416 χ^2/NDF : 13348.8/37

All: 14.363 ± 0.296 χ^2/NDF : 29810.3/75

- sign 24.492 ± 0.421 χ^2/NDF : 15312.4/37

diff_bpm0i05X_rms vs Slug



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

Left Out: 2035.369 ± 0.366 $\chi^2/\text{NDF}: 696268.9/20$

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

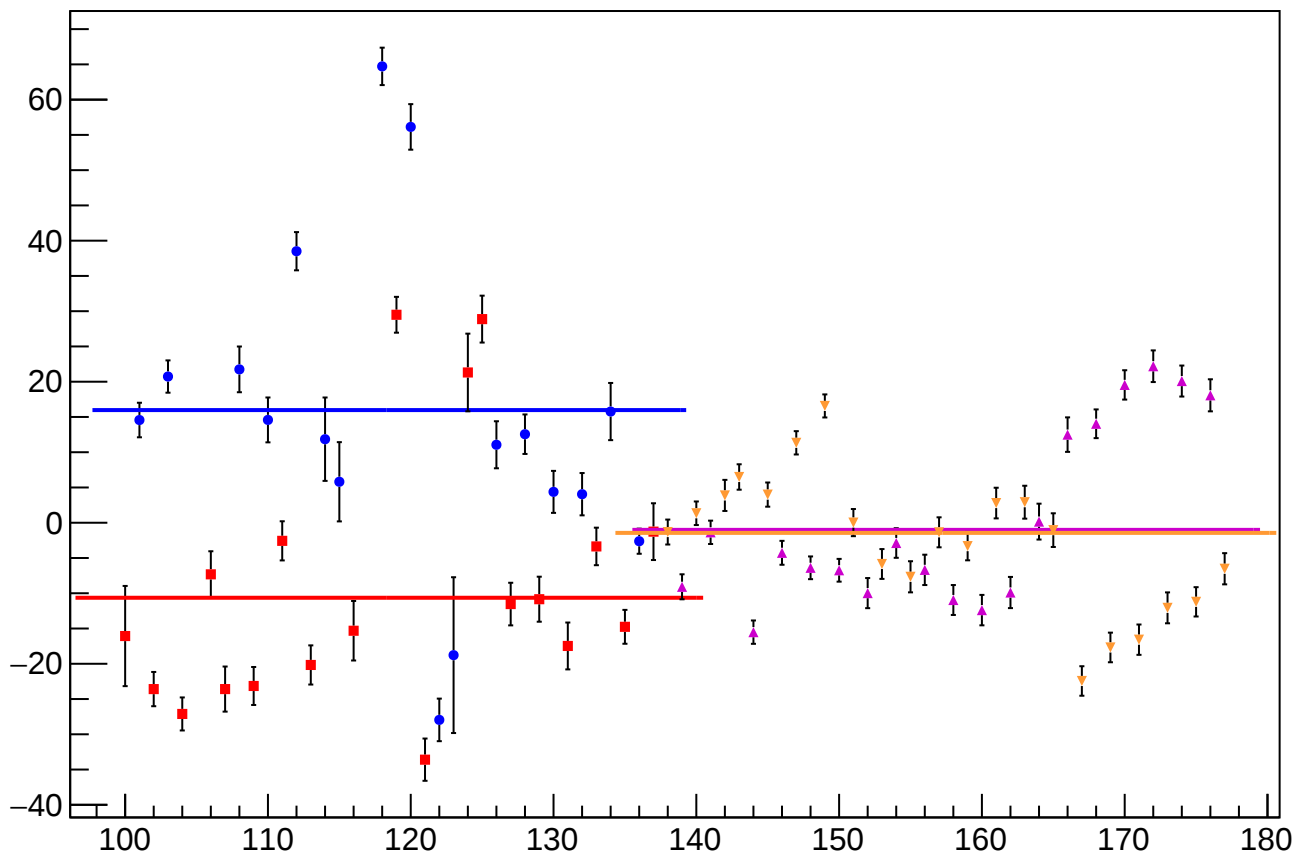
Left In: 2046.353 ± 0.383 $\chi^2/\text{NDF}: 707567.7/18$

+ sign 1952.867 ± 0.294 $\chi^2/\text{NDF}: 1023442.4/37$

All: 1944.641 ± 0.209 $\chi^2/\text{NDF}: 2117794.7/75$

- sign 1936.250 ± 0.297 $\chi^2/\text{NDF}: 1092775.3/37$

diff_bpm0i05Y_mean vs Slug



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

Left Out: -1.438 ± 0.433 χ^2/NDF : 500.9/20

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

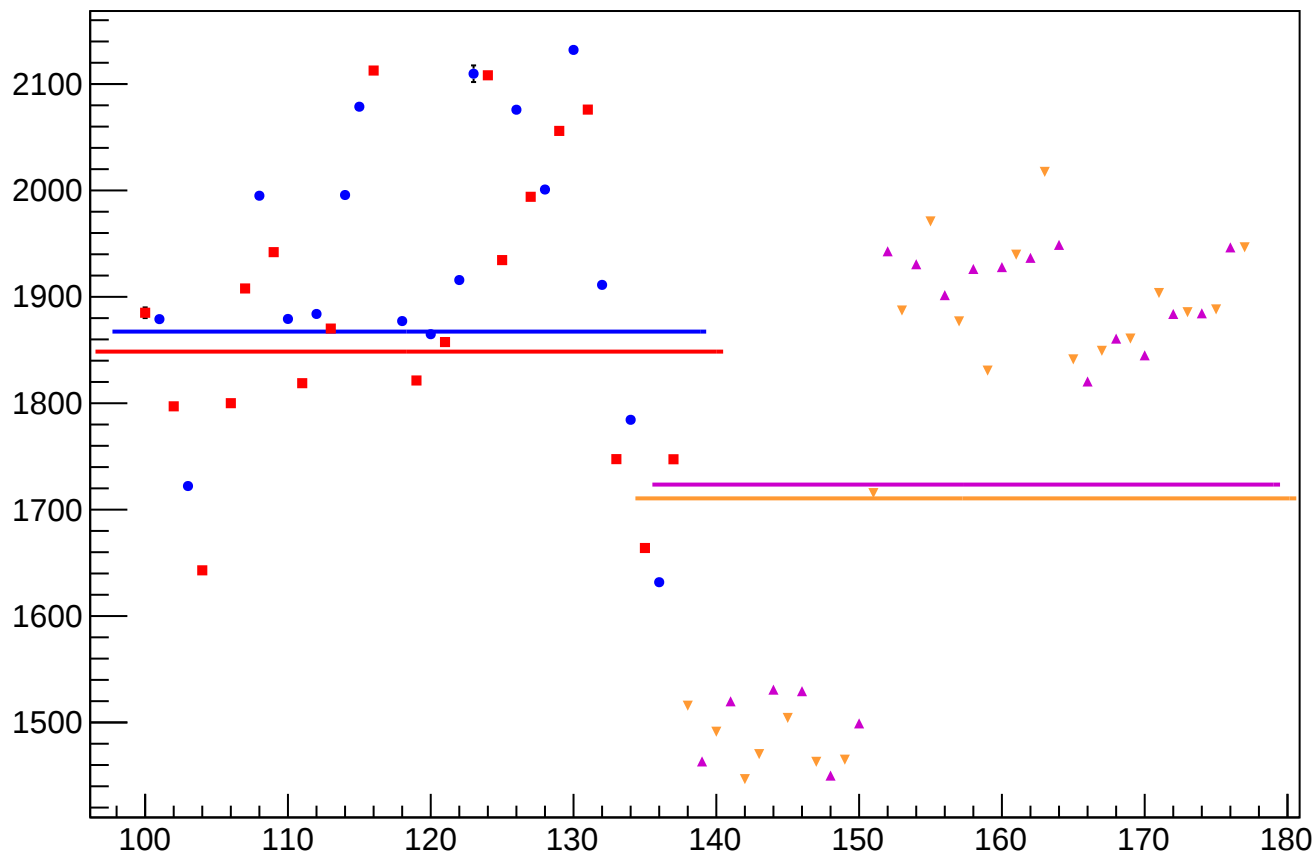
Left In: -1.010 ± 0.454 χ^2/NDF : 668.7/18

+ sign 3.179 ± 0.372 χ^2/NDF : 1867.2/37

All: -0.283 ± 0.266 χ^2/NDF : 3490.4/75

- sign -3.895 ± 0.380 χ^2/NDF : 1445.8/37

diff_bpm0i05Y_rms vs Slug



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

Left Out: 1710.589 $\pm$ 0.306 χ^2 /NDF: 450930.9/20

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

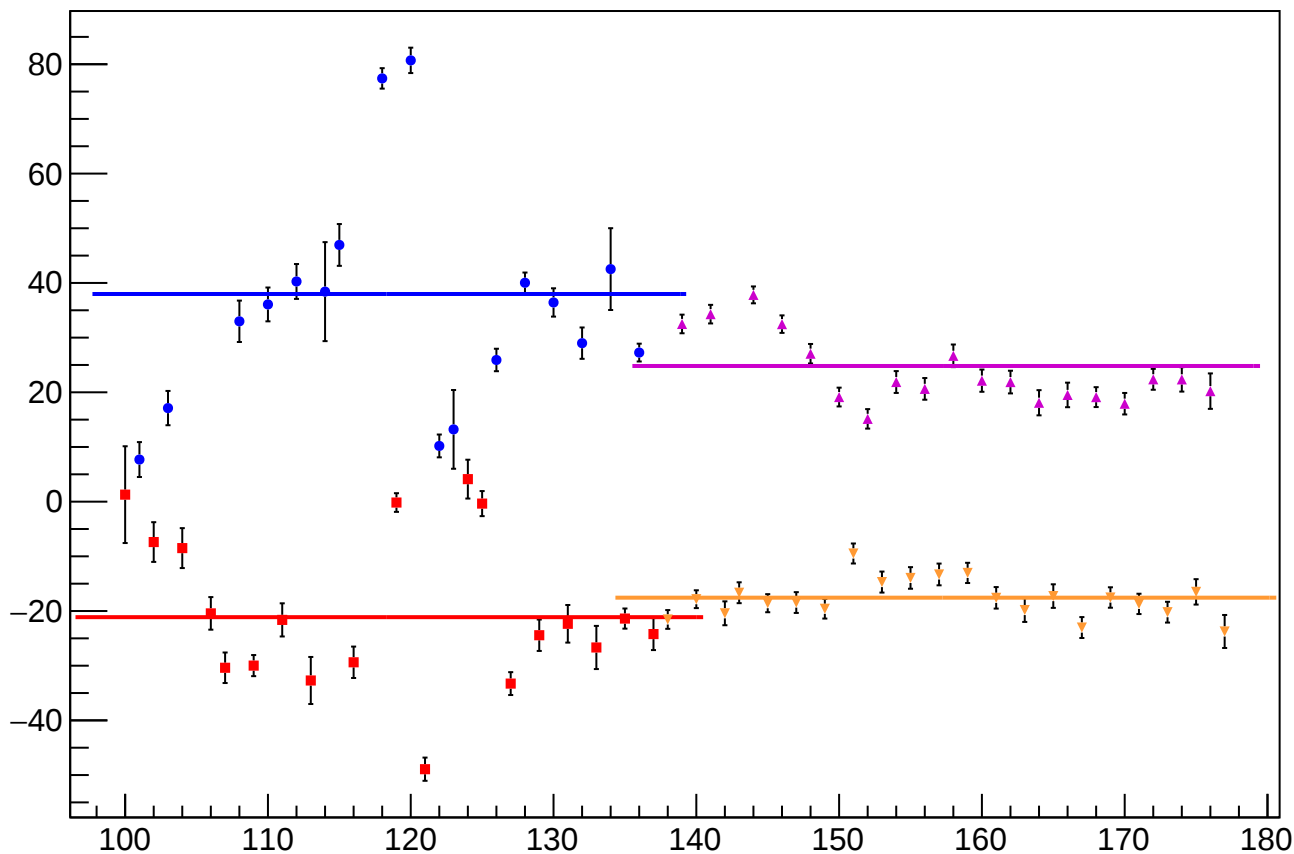
Left In: 1723.559 $\pm$ 0.321 χ^2 /NDF: 406843.5/18

+ sign 1752.150 $\pm$ 0.263 χ^2 /NDF: 601208.3/37

All: 1756.487 $\pm$ 0.188 χ^2 /NDF: 1126639.4/75

- sign 1761.013 $\pm$ 0.268 χ^2 /NDF: 524874.2/37

diff_bpm0i07X_mean vs Slug



Right In: 37.979 ± 0.637 χ^2/NDF : 1204.3/16

Left Out: -17.560 ± 0.421 χ^2/NDF : 60.8/20

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

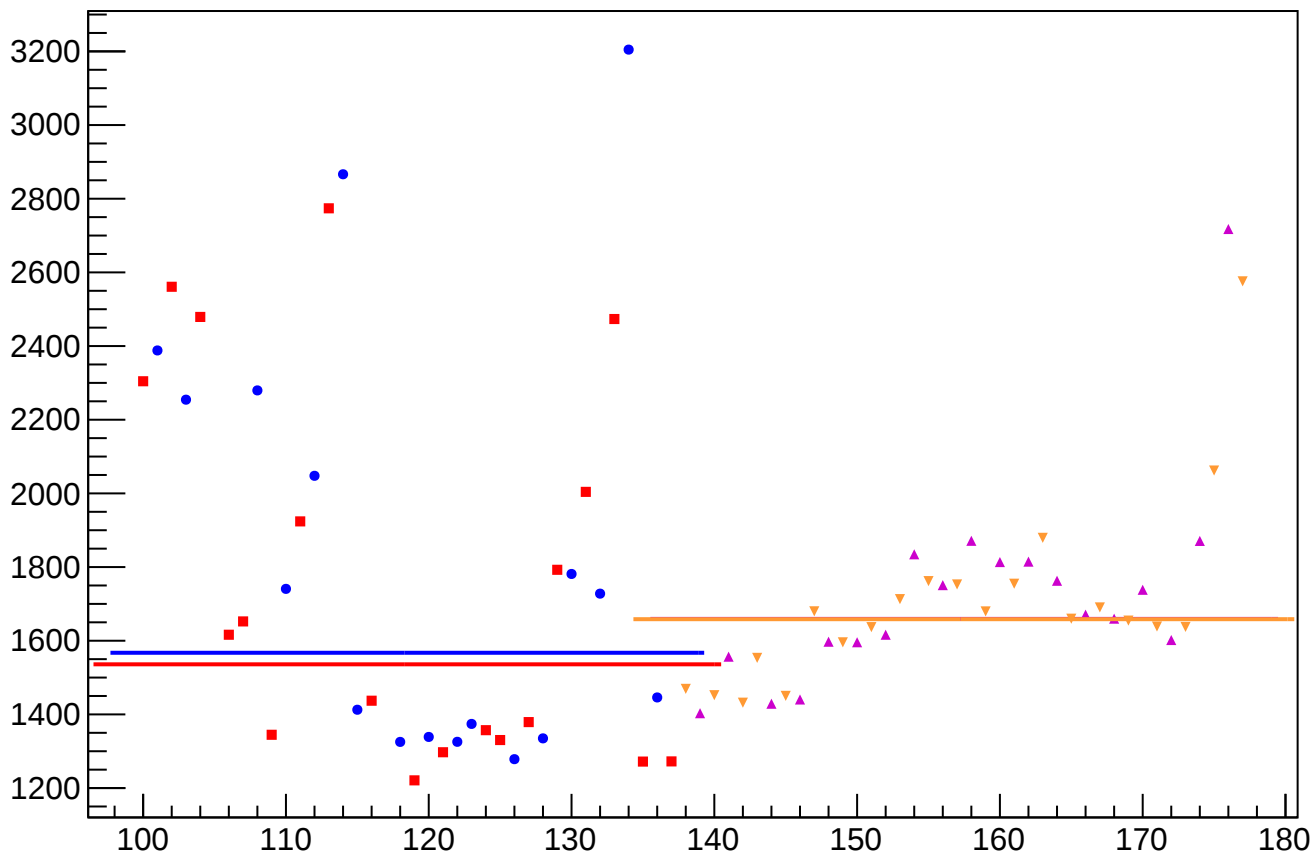
Left In: 24.814 ± 0.438 χ^2/NDF : 239.5/18

+ sign -0.667 ± 0.352 χ^2/NDF : 6548.6/37

All: 4.162 ± 0.250 χ^2/NDF : 11496.6/75

- sign 9.108 ± 0.356 χ^2/NDF : 4565.9/37

diff_bpm0i07X_rms vs Slug



Right In: 1567.328+/-0.451 χ^2/NDF : 673450.6/16

Left Out: 1658.498+/-0.298 χ^2/NDF : 402035.4/20

Right Out: 1535.967+/-0.430 χ^2/NDF : 882098.2/18

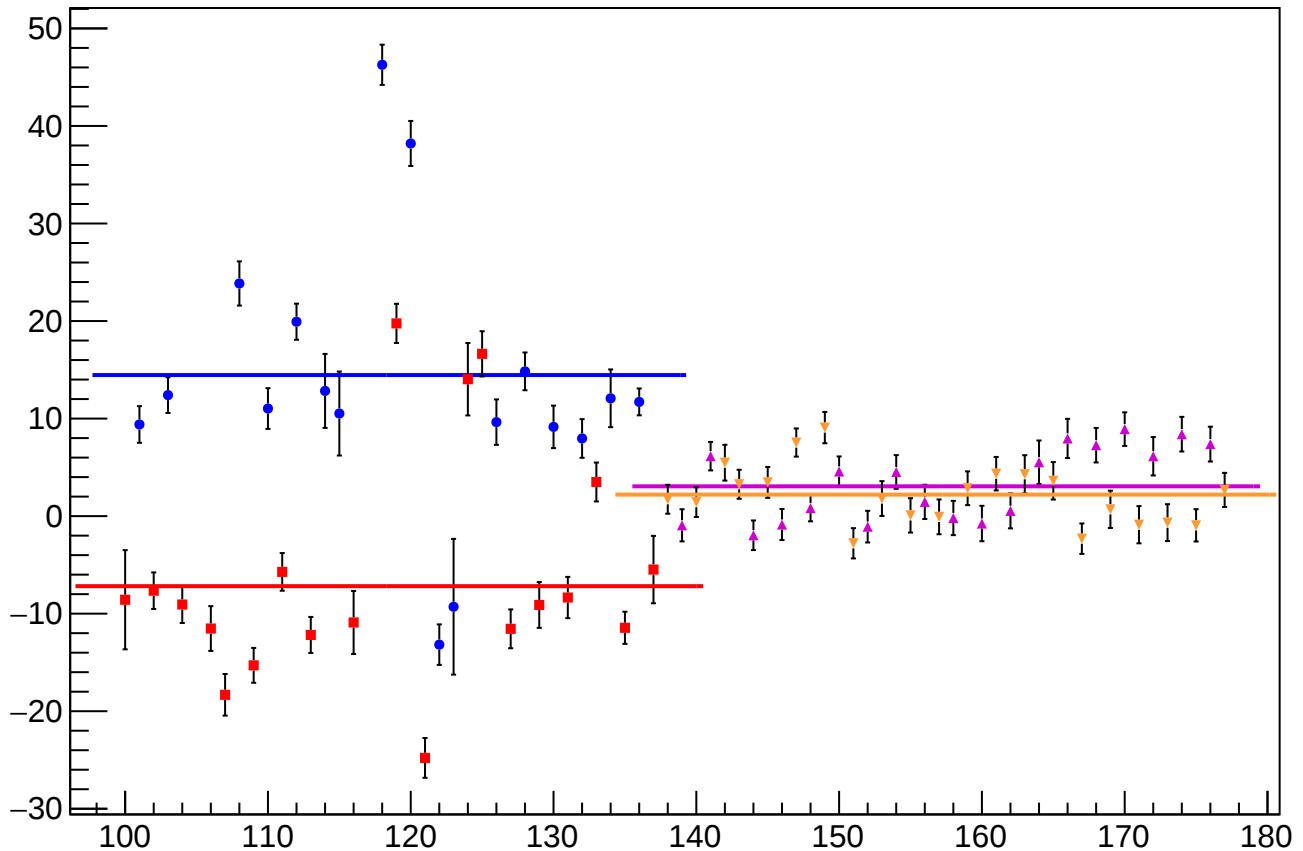
Left In: 1659.275+/-0.310 χ^2/NDF : 444656.7/18

+ sign 1630.768+/-0.249 χ^2/NDF : 1103961.2/37

All: 1624.024+/-0.177 χ^2/NDF : 2486283.5/75

- sign 1617.118+/-0.252 χ^2/NDF : 1380832.2/37

diff_bpm0i07Y_mean vs Slug



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

Left Out: 2.204+/-0.368 χ^2/NDF : 71.1/20

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

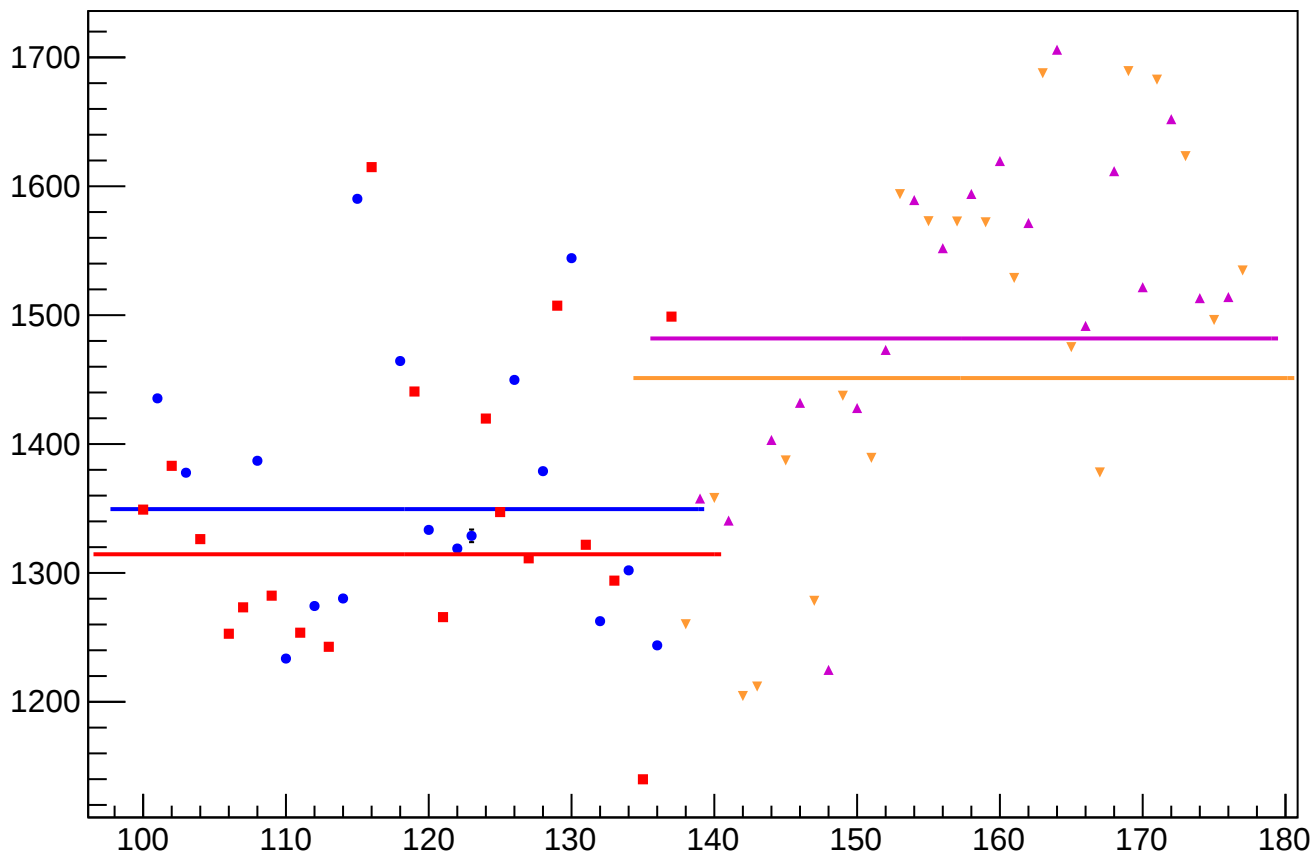
Left In: 3.054+/-0.389 χ^2/NDF : 90.7/18

+ sign 6.254+/-0.301 χ^2/NDF : 1034.6/37

All: 2.755+/-0.214 χ^2/NDF : 2160.8/75

- sign -0.863+/-0.306 χ^2/NDF : 851.0/37

diff_bpm0i07Y_rms vs Slug



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

Left Out: 1451.198 $\pm$ 0.260 χ^2 /NDF: 326327.7/20

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

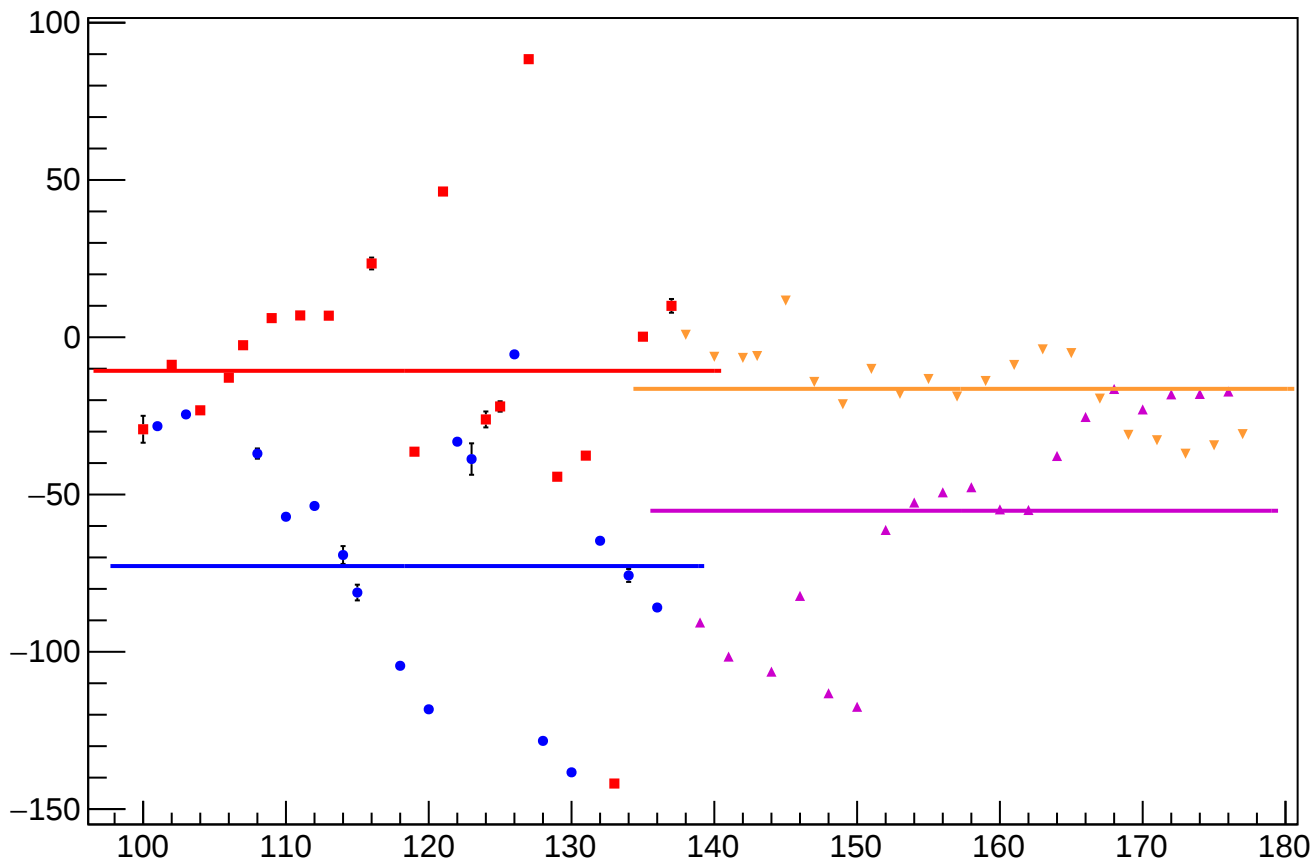
Left In: 1481.926 $\pm$ 0.275 χ^2 /NDF: 195140.4/18

+ sign 1417.603 $\pm$ 0.213 χ^2 /NDF: 441569.6/37

All: 1417.725 $\pm$ 0.152 χ^2 /NDF: 859299.9/75

- sign 1417.852 $\pm$ 0.216 χ^2 /NDF: 417729.7/37

diff_bpm1i02X_mean vs Slug



Right In: -72.741 ± 0.362 χ^2/NDF : 11690.4/16

Left Out: -16.401 ± 0.229 χ^2/NDF : 3100.7/20

Right Out: -10.671 ± 0.352 χ^2/NDF : 18171.0/18

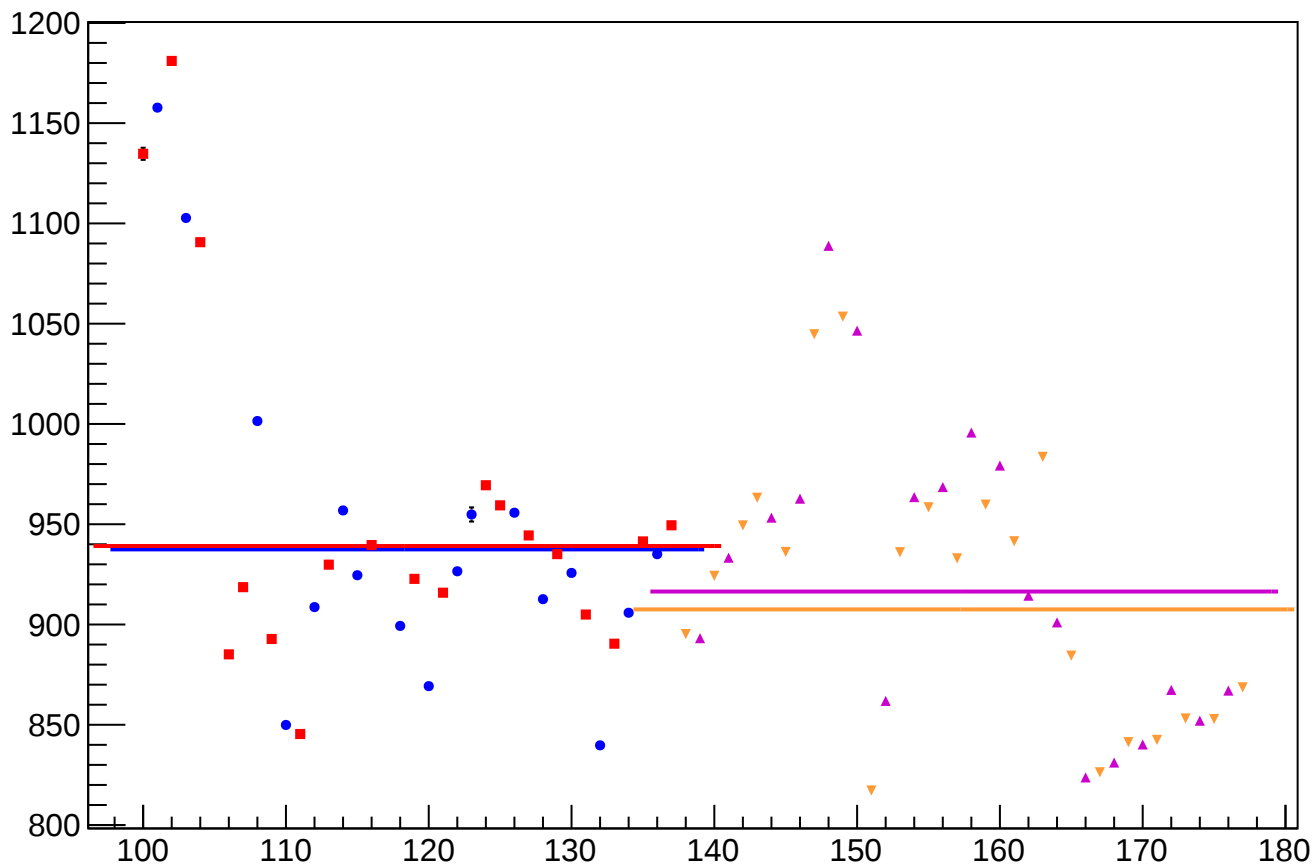
Left In: -55.158 ± 0.240 χ^2/NDF : 19762.7/18

+ sign -32.470 ± 0.194 χ^2/NDF : 32071.1/37

All: -36.646 ± 0.139 χ^2/NDF : 81843.7/75

- sign -41.039 ± 0.198 χ^2/NDF : 48817.1/37

diff_bpm1i02X_rms vs Slug



Right In: 937.454 $\pm$ 0.256 χ^2 /NDF: 98307.6/16

Left Out: 907.530 $\pm$ 0.162 χ^2 /NDF: 159709.1/20

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

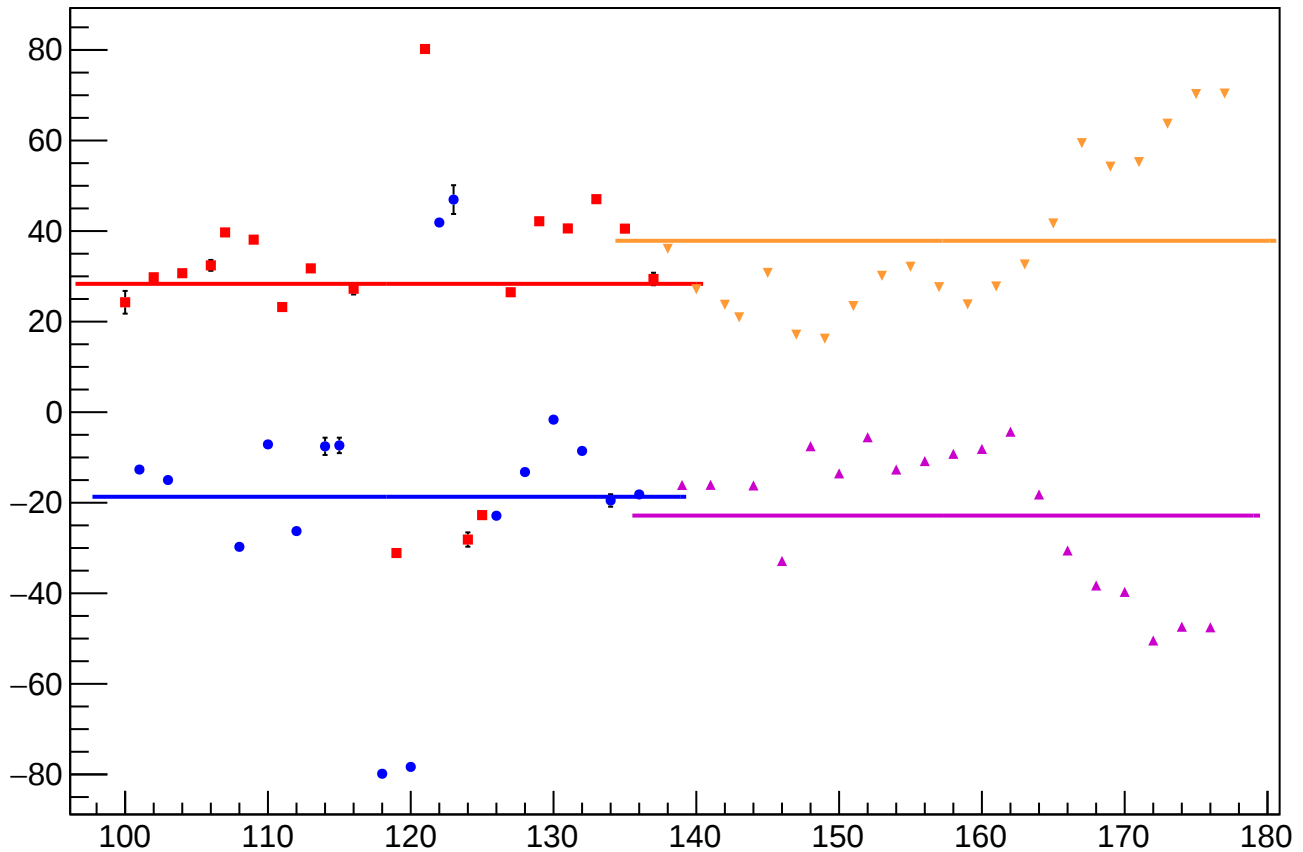
Left In: 916.438 $\pm$ 0.170 χ^2 /NDF: 169823.5/18

+ sign 916.065 $\pm$ 0.137 χ^2 /NDF: 267765.9/37

All: 919.758 $\pm$ 0.098 χ^2 /NDF: 535005.5/75

- sign 923.643 $\pm$ 0.140 χ^2 /NDF: 265744.8/37

diff_bpm1i02Y_mean vs Slug



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

Left Out: 37.854 ± 0.180 χ^2/NDF : 9469.6/20

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

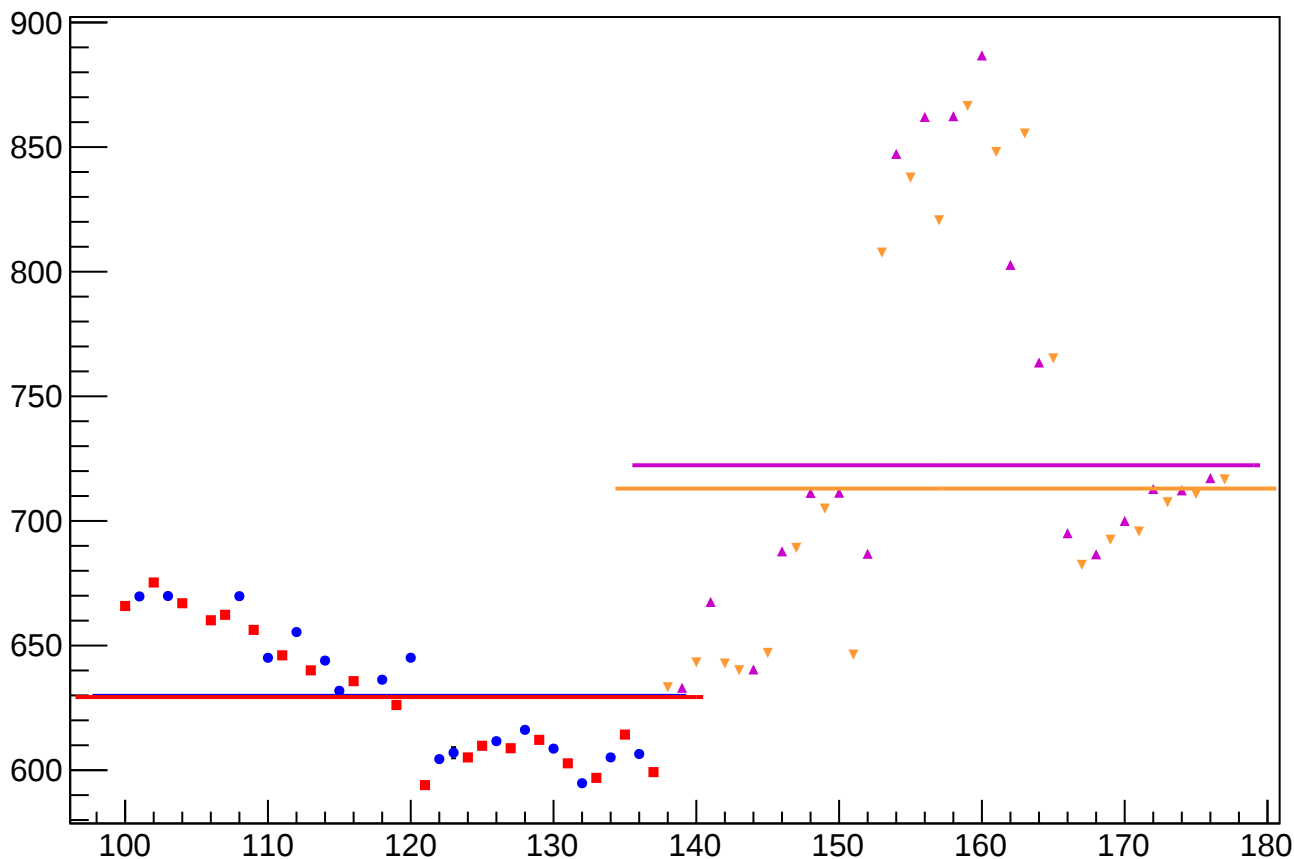
Left In: -22.836 ± 0.190 χ^2/NDF : 6344.5/18

+ sign 17.728 ± 0.145 χ^2/NDF : 57436.2/37

All: 7.736 ± 0.103 χ^2/NDF : 114652.9/75

- sign -2.674 ± 0.148 χ^2/NDF : 47491.2/37

diff_bpm1i02Y_rms vs Slug



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

Left Out: 712.997 $\pm$ 0.128 χ^2 /NDF: 332335.6/20

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

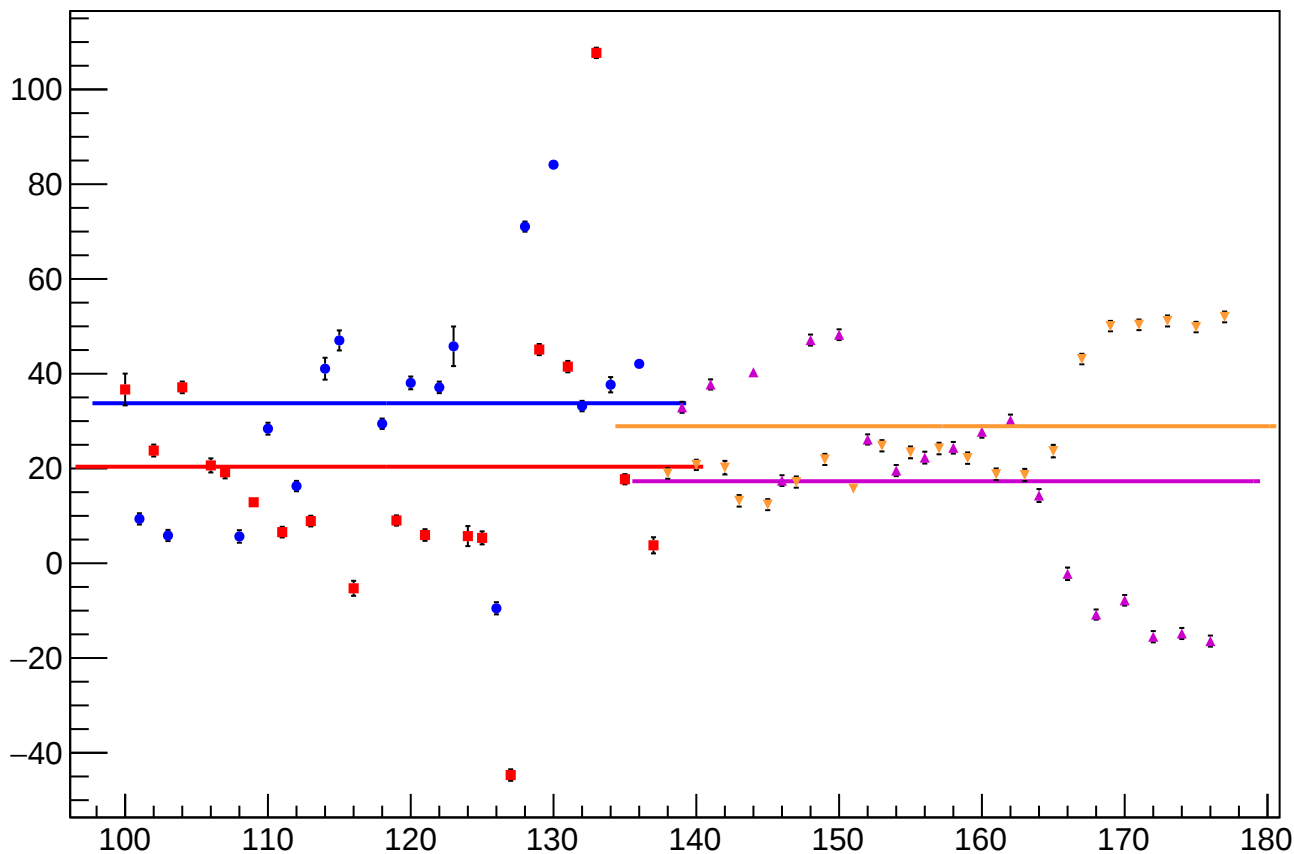
Left In: 722.335 $\pm$ 0.134 χ^2 /NDF: 278273.7/18

+ sign 683.386 $\pm$ 0.102 χ^2 /NDF: 506989.4/37

All: 684.520 $\pm$ 0.073 χ^2 /NDF: 1000134.8/75

- sign 685.702 $\pm$ 0.104 χ^2 /NDF: 492894.7/37

diff_bpm1i04X_mean vs Slug



Right In: 33.773+/-0.300 χ^2/NDF : 6487.9/16

Left Out: 28.924+/-0.256 χ^2/NDF : 3097.6/20

Right Out: 20.375+/-0.293 χ^2/NDF : 11287.7/18

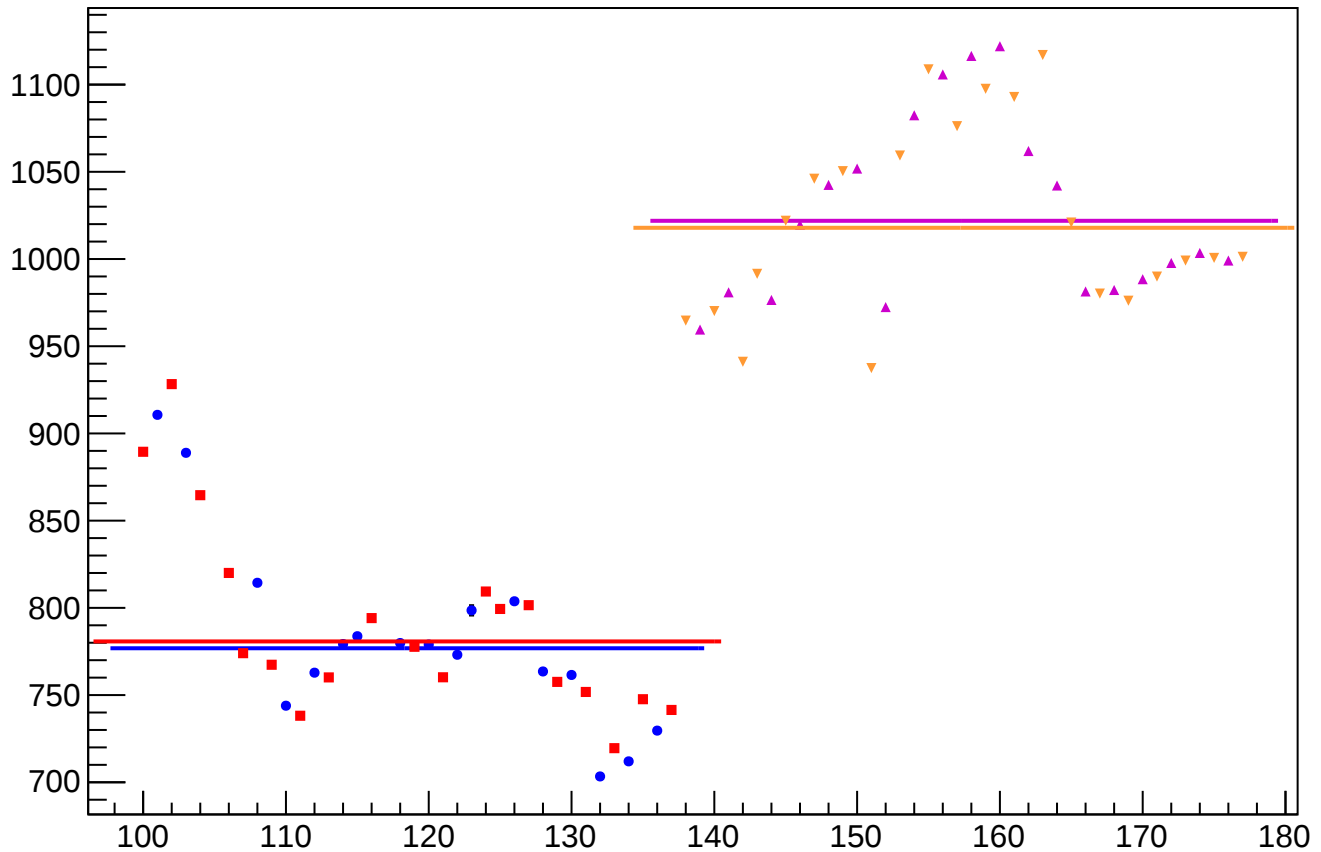
Left In: 17.312+/-0.267 χ^2/NDF : 6501.6/18

+ sign 30.971+/-0.195 χ^2/NDF : 9736.6/37

All: 24.917+/-0.139 χ^2/NDF : 29540.9/75

- sign 18.706+/-0.197 χ^2/NDF : 17848.9/37

diff_bpm1i04X_rms vs Slug



Right In: 776.838 $\pm$ 0.212 χ^2 /NDF: 67487.1/16

Left Out: 1017.903 $\pm$ 0.181 χ^2 /NDF: 83022.6/20

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

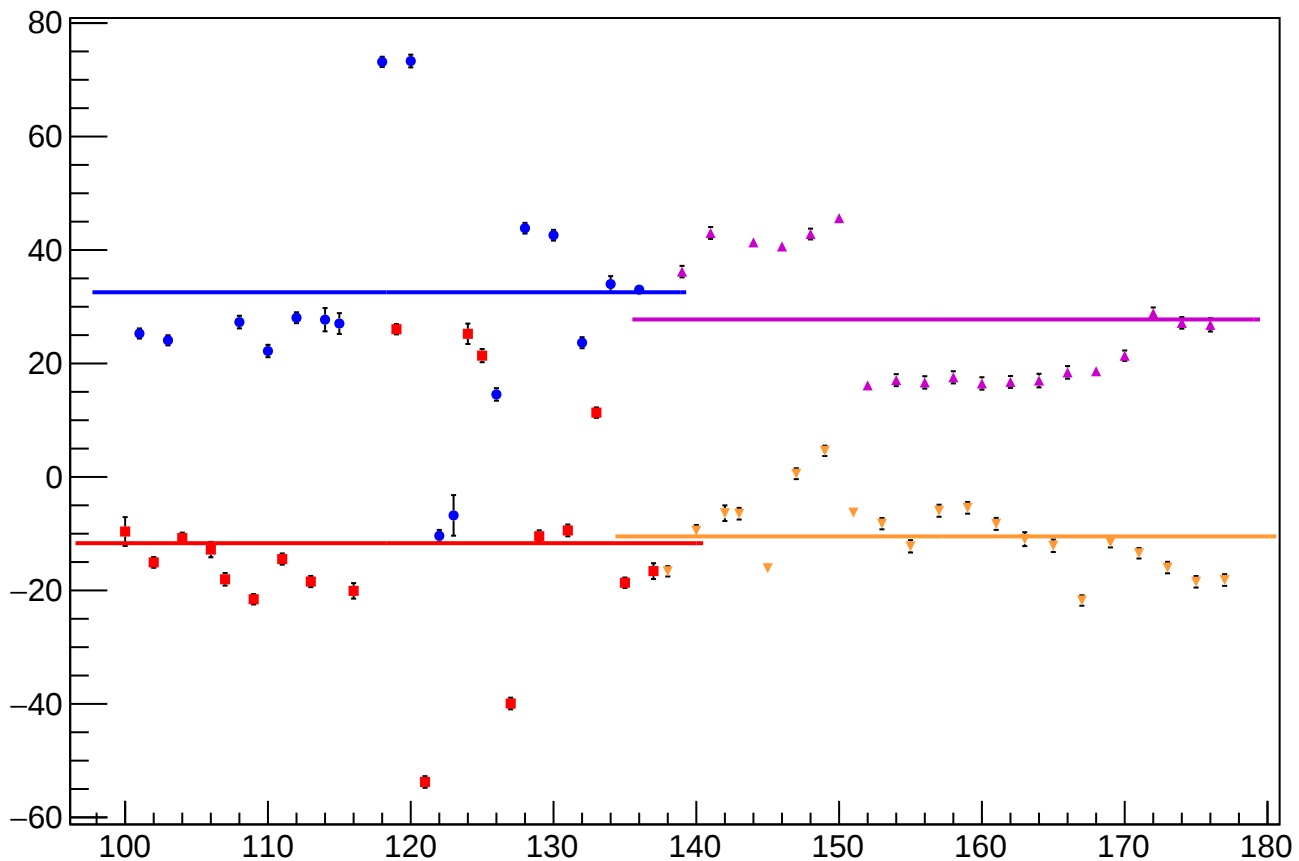
Left In: 1021.909 $\pm$ 0.189 χ^2 /NDF: 68556.3/18

+ sign 916.117 $\pm$ 0.138 χ^2 /NDF: 897151.9/37

All: 914.143 $\pm$ 0.098 χ^2 /NDF: 1763977.3/75

- sign 912.118 $\pm$ 0.140 χ^2 /NDF: 866409.6/37

diff_bpm1i04Y_mean vs Slug



Right In: 32.552 ± 0.253 χ^2/NDF : 6073.0/16

Left Out: -10.475 ± 0.217 χ^2/NDF : 911.1/20

Right Out: -11.674 ± 0.247 χ^2/NDF : 6357.6/18

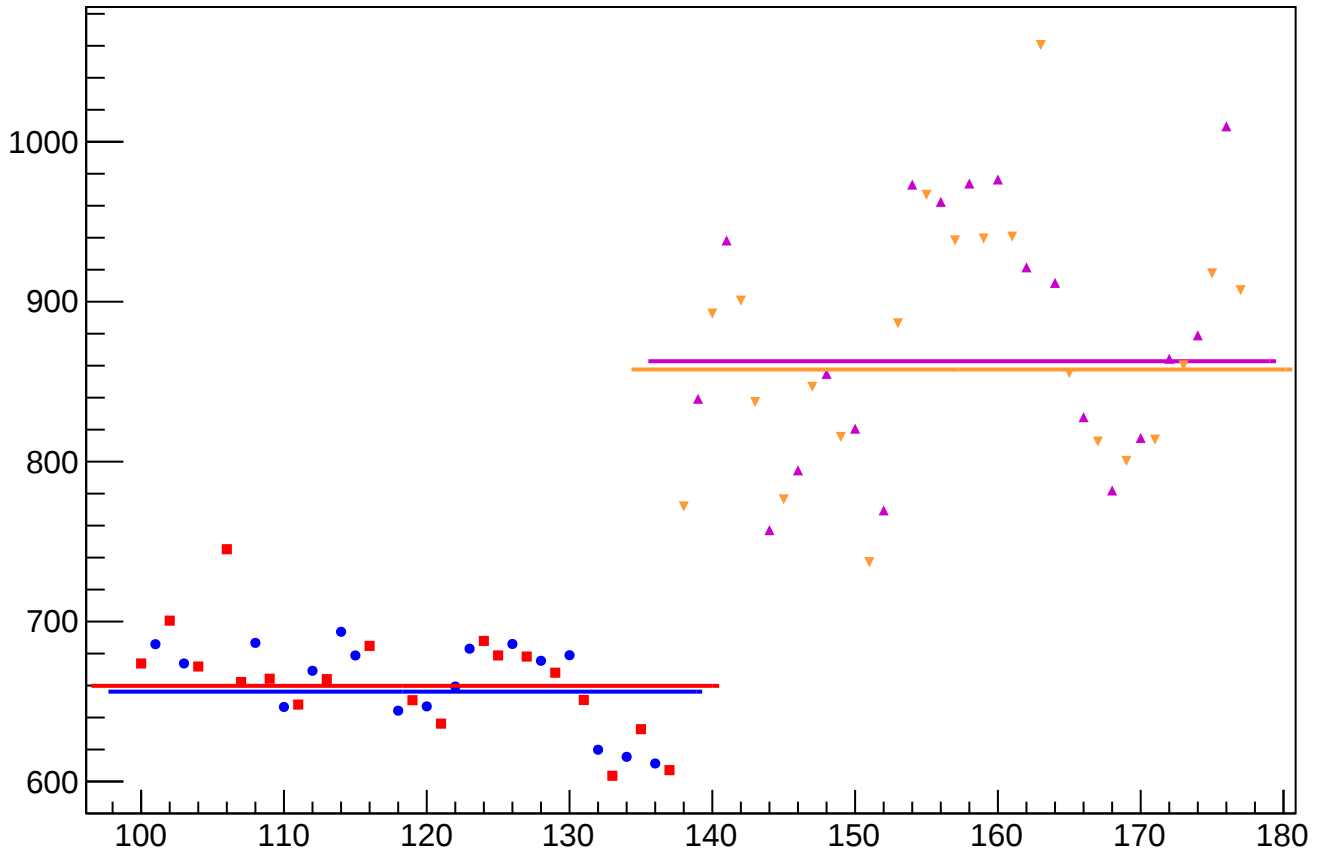
Left In: 27.761 ± 0.227 χ^2/NDF : 2438.8/18

+ sign 7.767 ± 0.165 χ^2/NDF : 23663.2/37

All: 8.720 ± 0.117 χ^2/NDF : 46346.3/75

- sign 9.703 ± 0.167 χ^2/NDF : 22614.9/37

diff_bpm1i04Y_rms vs Slug



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

Left Out: 857.605 $\pm$ 0.153 χ^2 /NDF: 229032.2/20

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

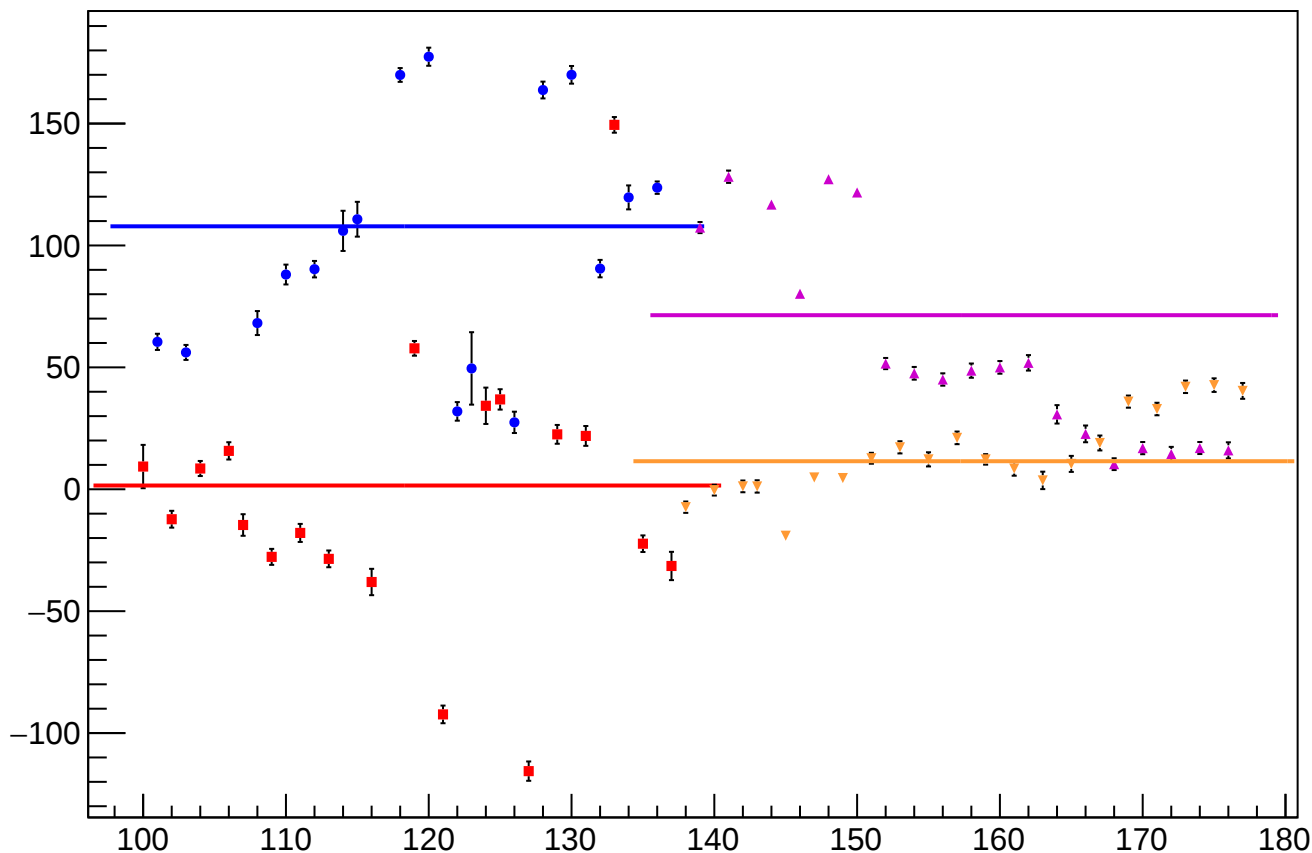
Left In: 862.787 $\pm$ 0.161 χ^2 /NDF: 232401.8/18

+ sign 772.209 $\pm$ 0.116 χ^2 /NDF: 983633.6/37

All: 771.044 $\pm$ 0.083 χ^2 /NDF: 1976741.7/75

- sign 769.842 $\pm$ 0.118 χ^2 /NDF: 992904.6/37

diff_bpm1i06X_mean vs Slug



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

Left Out: 11.506 ± 0.532 χ^2/NDF : 929.9/20

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

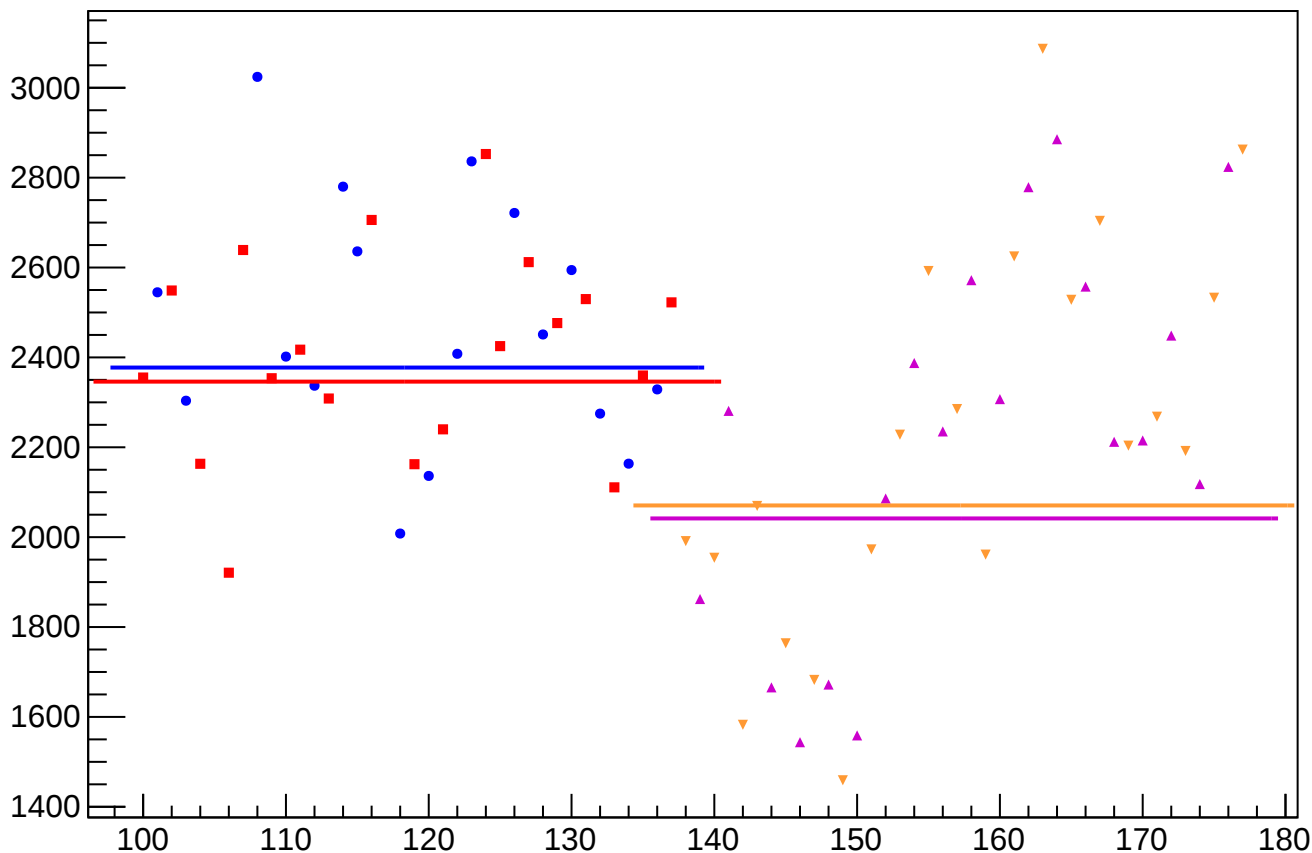
Left In: 71.398 ± 0.547 χ^2/NDF : 6172.3/18

+ sign 35.600 ± 0.461 χ^2/NDF : 11935.9/37

All: 43.738 ± 0.327 χ^2/NDF : 27781.6/75

- sign 52.028 ± 0.465 χ^2/NDF : 15216.2/37

diff_bpm1i06X_rms vs Slug



Right In: 2377.423+/-0.652 χ^2/NDF : 119648.6/16

Left Out: 2070.574+/-0.376 χ^2/NDF : 1145441.9/20

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

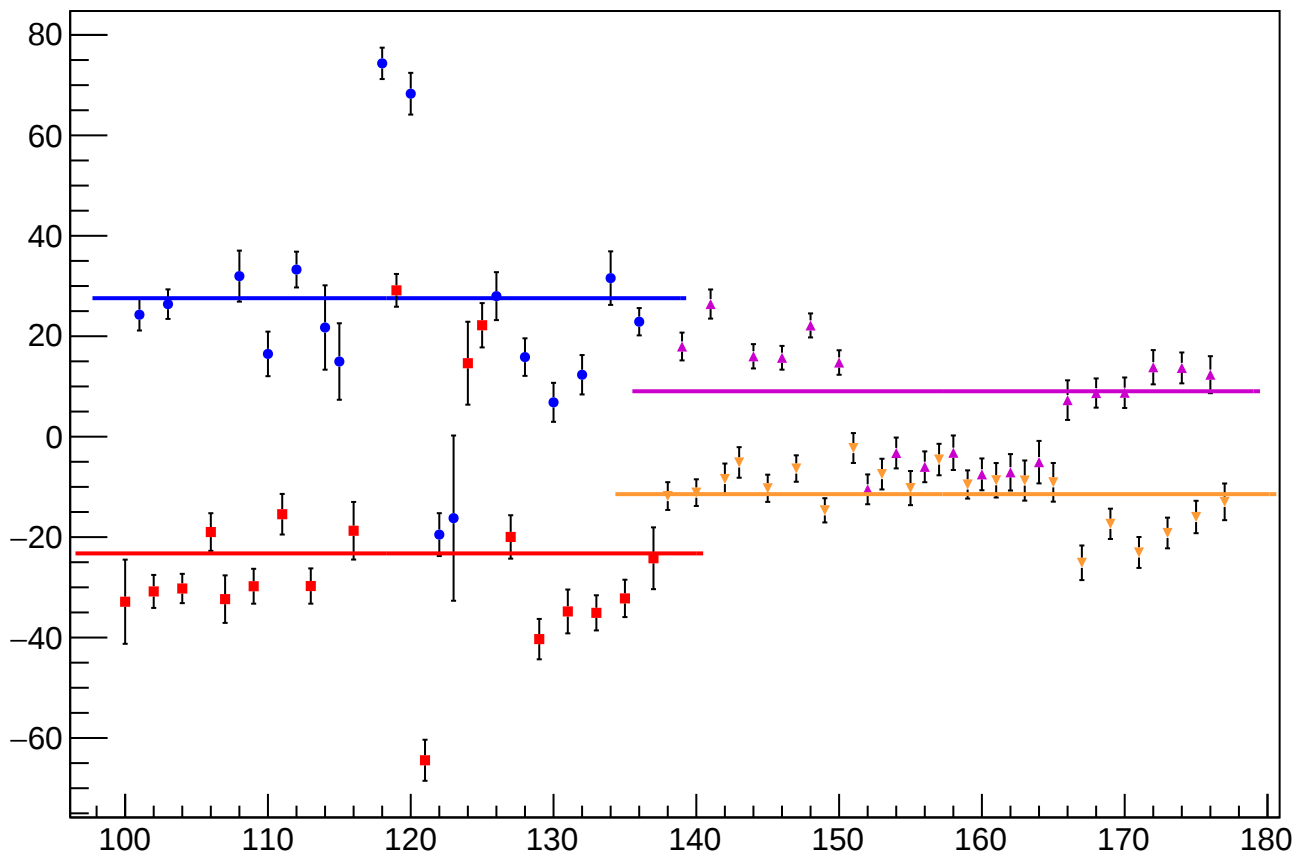
Left In: 2041.661+/-0.387 χ^2/NDF : 1086437.9/18

+ sign 2147.310+/-0.326 χ^2/NDF : 1431382.3/37

All: 2136.795+/-0.231 χ^2/NDF : 2799903.0/75

- sign 2126.083+/-0.329 χ^2/NDF : 1366418.7/37

diff_bpm1i06Y_mean vs Slug



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

Left Out: -11.443 ± 0.664 χ^2/NDF : 71.5/20

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

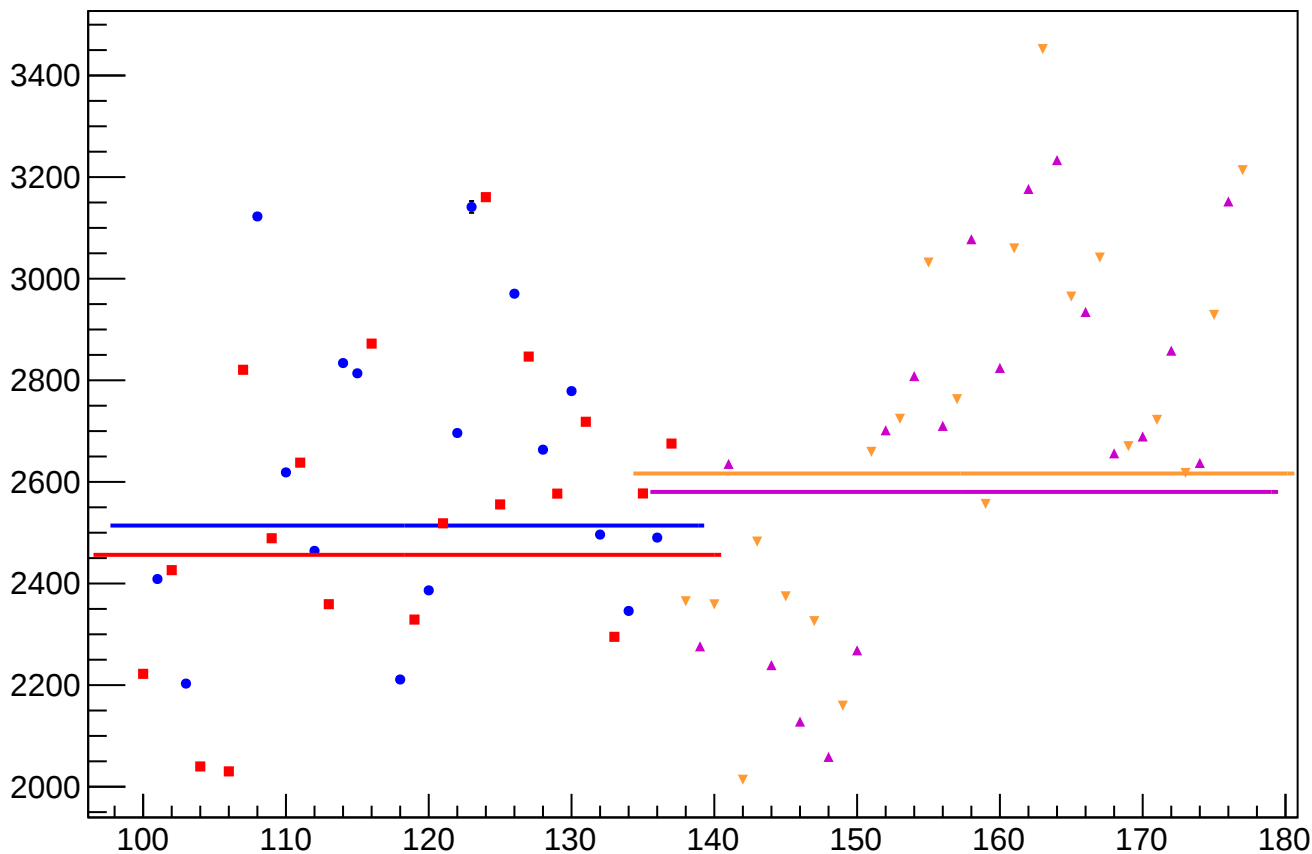
Left In: 9.044 ± 0.684 χ^2/NDF : 257.4/18

+ sign 0.933 ± 0.549 χ^2/NDF : 1685.2/37

All: -0.695 ± 0.389 χ^2/NDF : 3303.8/75

- sign -2.330 ± 0.550 χ^2/NDF : 1601.0/37

diff_bpm1i06Y_rms vs Slug



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

Left Out: 2616.539 $\pm$ 0.470 χ^2 /NDF: 508632.8/20

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

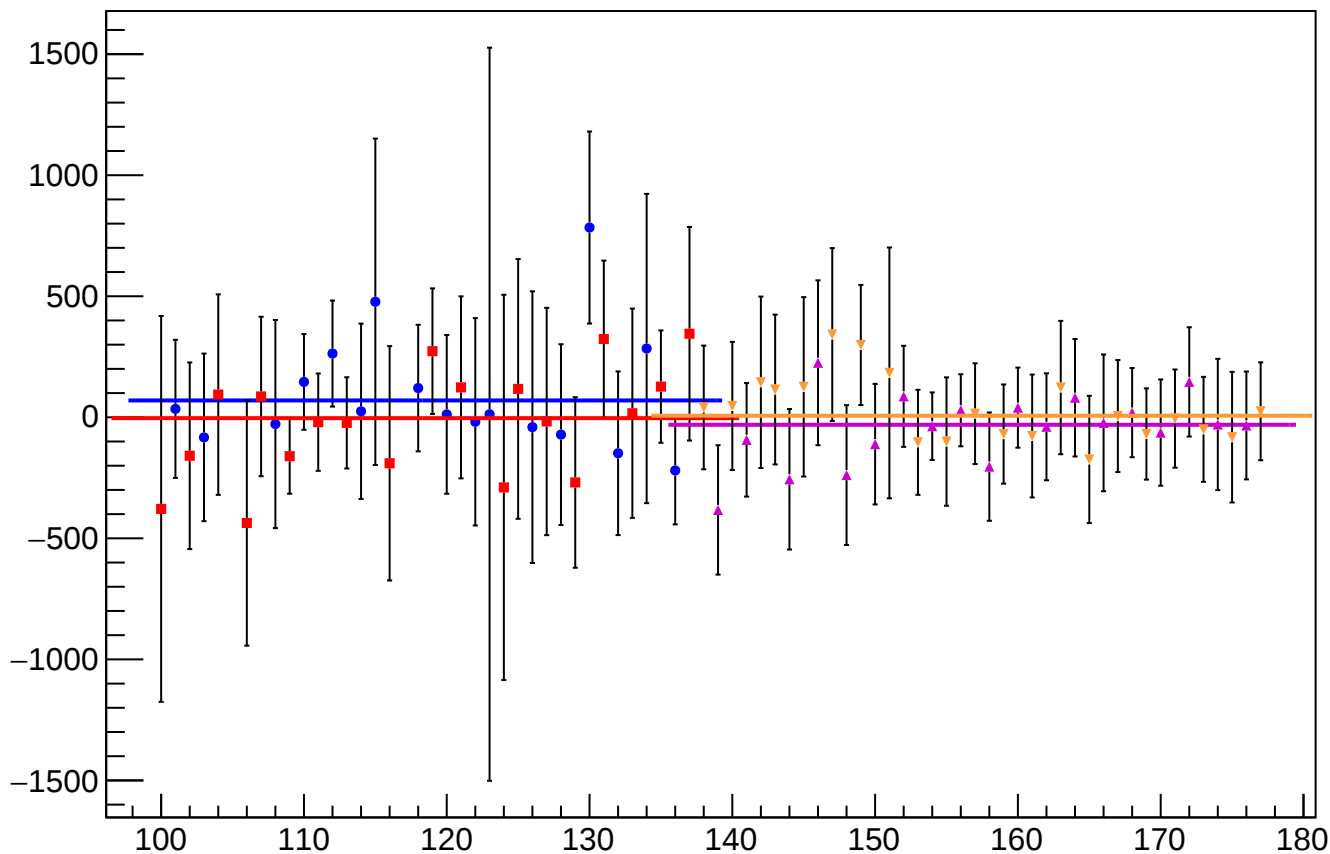
Left In: 2580.306 $\pm$ 0.483 χ^2 /NDF: 521211.5/18

+ sign 2584.044 $\pm$ 0.388 χ^2 /NDF: 644679.9/37

All: 2560.414 $\pm$ 0.275 χ^2 /NDF: 1346174.0/75

- sign 2536.676 $\pm$ 0.389 χ^2 /NDF: 694065.7/37

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 69.587 ± 79.023 $\chi^2/\text{NDF}: 7.3/16$

Left Out: 6.484 ± 54.288 $\chi^2/\text{NDF}: 4.5/20$

Right Out: -3.562 ± 69.980 $\chi^2/\text{NDF}: 6.4/18$

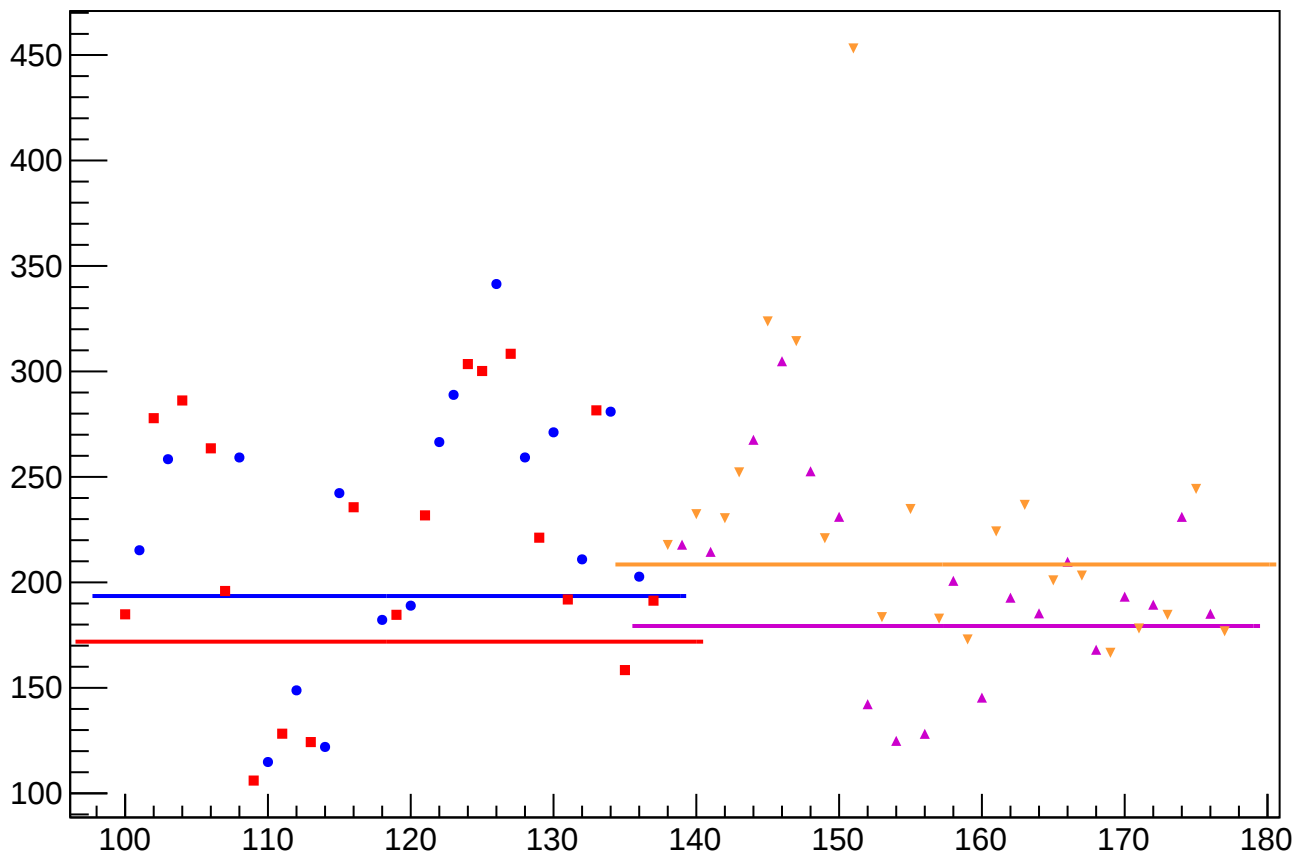
Left In: -30.915 ± 49.372 $\chi^2/\text{NDF}: 5.8/18$

+ sign 26.716 ± 44.746 $\chi^2/\text{NDF}: 12.2/37$

All: -0.060 ± 29.963 $\chi^2/\text{NDF}: 25.2/75$

- sign -21.825 ± 40.342 $\chi^2/\text{NDF}: 12.3/37$

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: 208.490 $\pm$ 0.038 χ^2 /NDF:1306739.7/20

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

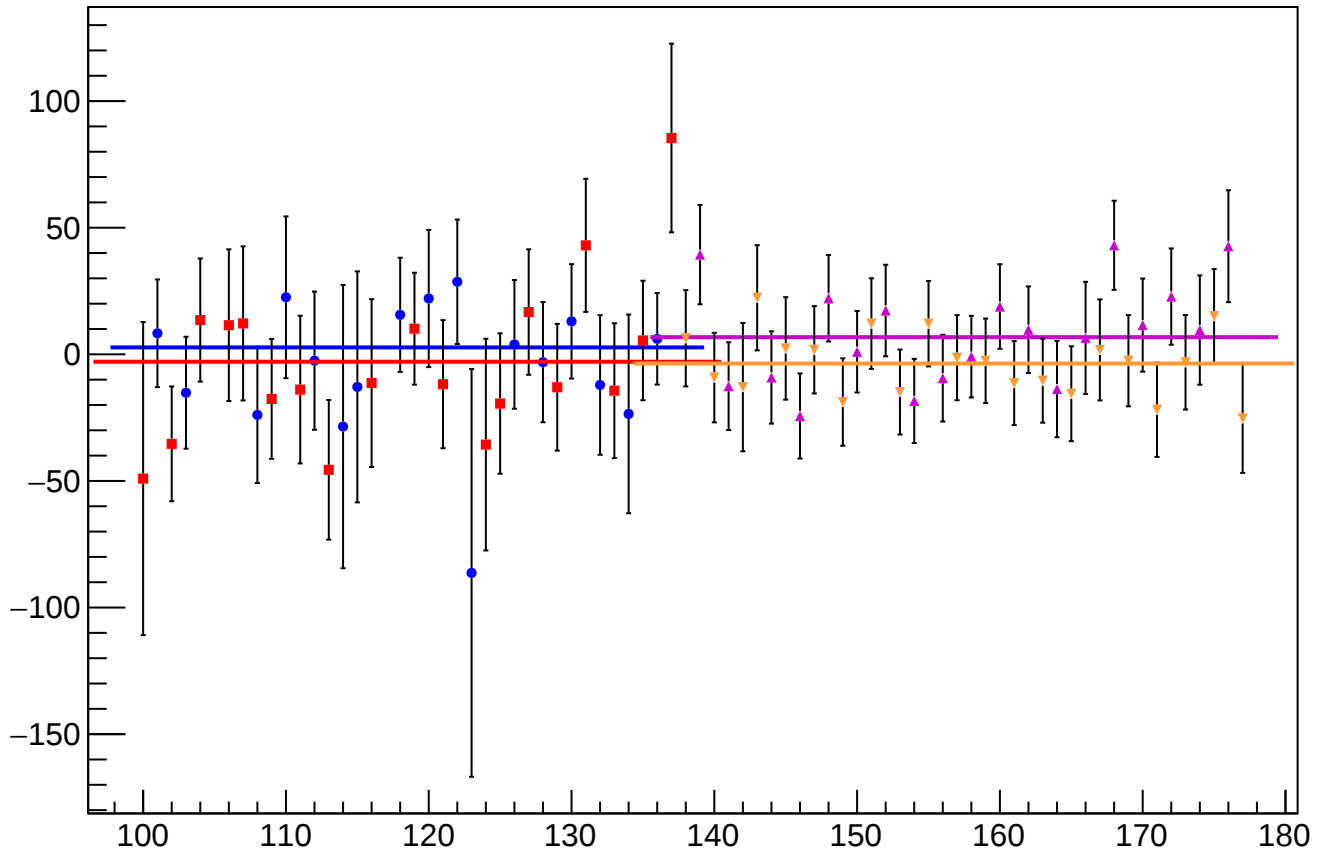
Left In: 179.325 $\pm$ 0.035 χ^2 /NDF:1589452.8/18

+ sign 203.694 $\pm$ 0.032 χ^2 /NDF: 2365844.4/37

All: 188.891 $\pm$ 0.021 χ^2 /NDF: 5944061.9/75

- sign 176.857 $\pm$ 0.029 χ^2 /NDF: 3181365.0/37

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: -3.629 ± 3.989 χ^2/NDF : 9.0/20

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

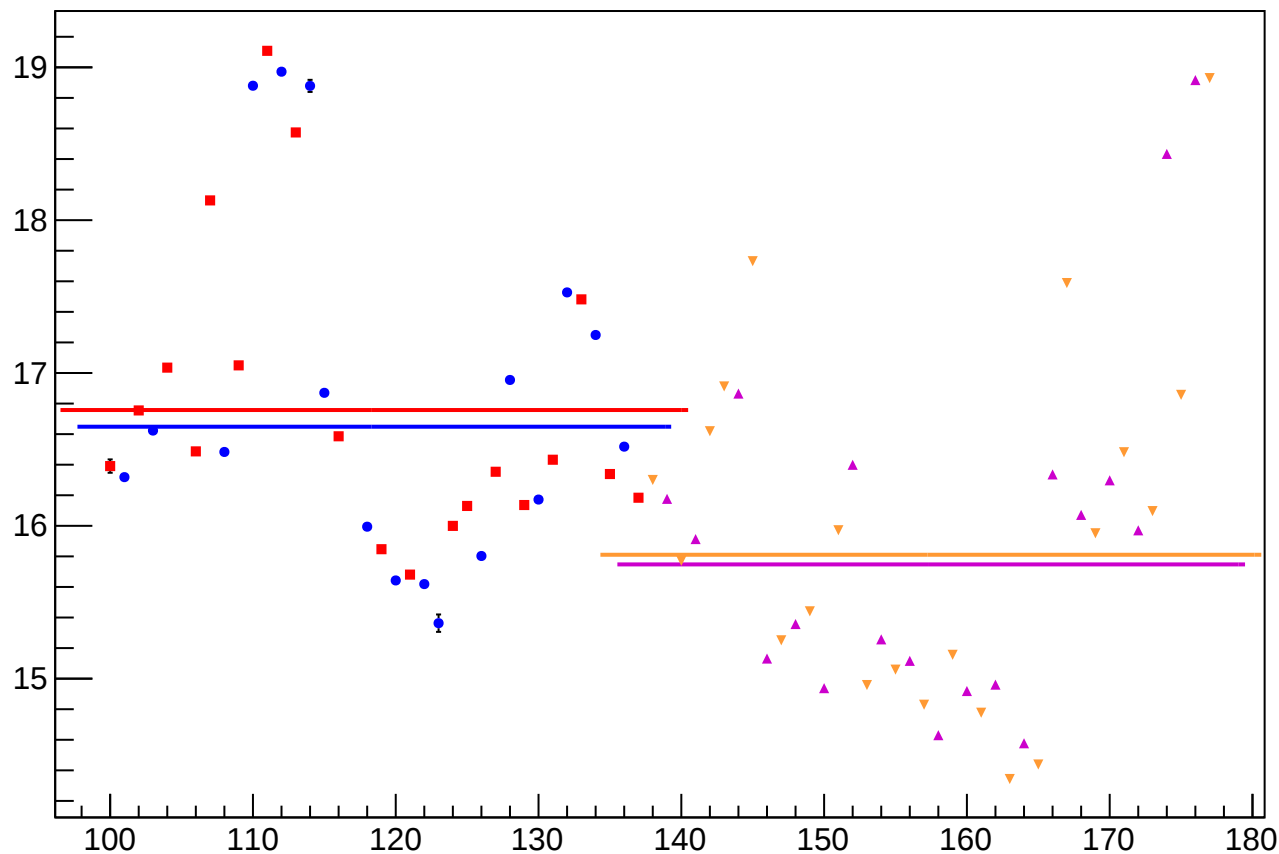
Left In: 6.773 ± 4.128 χ^2/NDF : 22.3/18

+ sign -1.859 ± 3.389 χ^2/NDF : 16.5/37

All: 0.943 ± 2.417 χ^2/NDF : 59.6/75

- sign 3.845 ± 3.449 χ^2/NDF : 41.7/37

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: 15.811 $\pm$ 0.003 χ^2 /NDF:150746.8/20

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

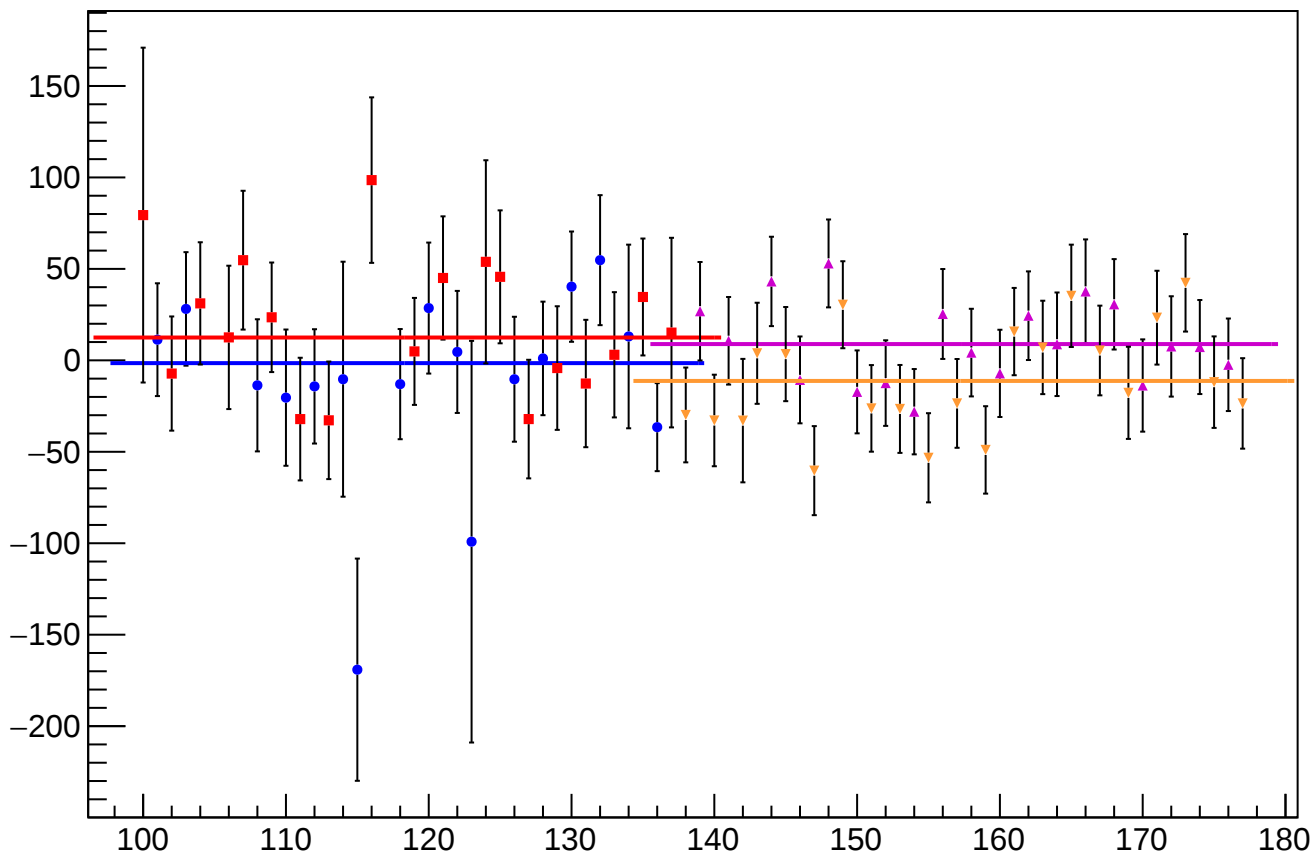
Left In: 15.748 $\pm$ 0.003 χ^2 /NDF:127137.5/18

+ sign 16.044 $\pm$ 0.002 χ^2 /NDF: 217866.2/37

All: 16.048 $\pm$ 0.002 χ^2 /NDF: 421107.9/75

- sign 16.052 $\pm$ 0.002 χ^2 /NDF: 203235.4/37

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: -11.259 ± 5.517 χ^2/NDF : 27.2/20

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

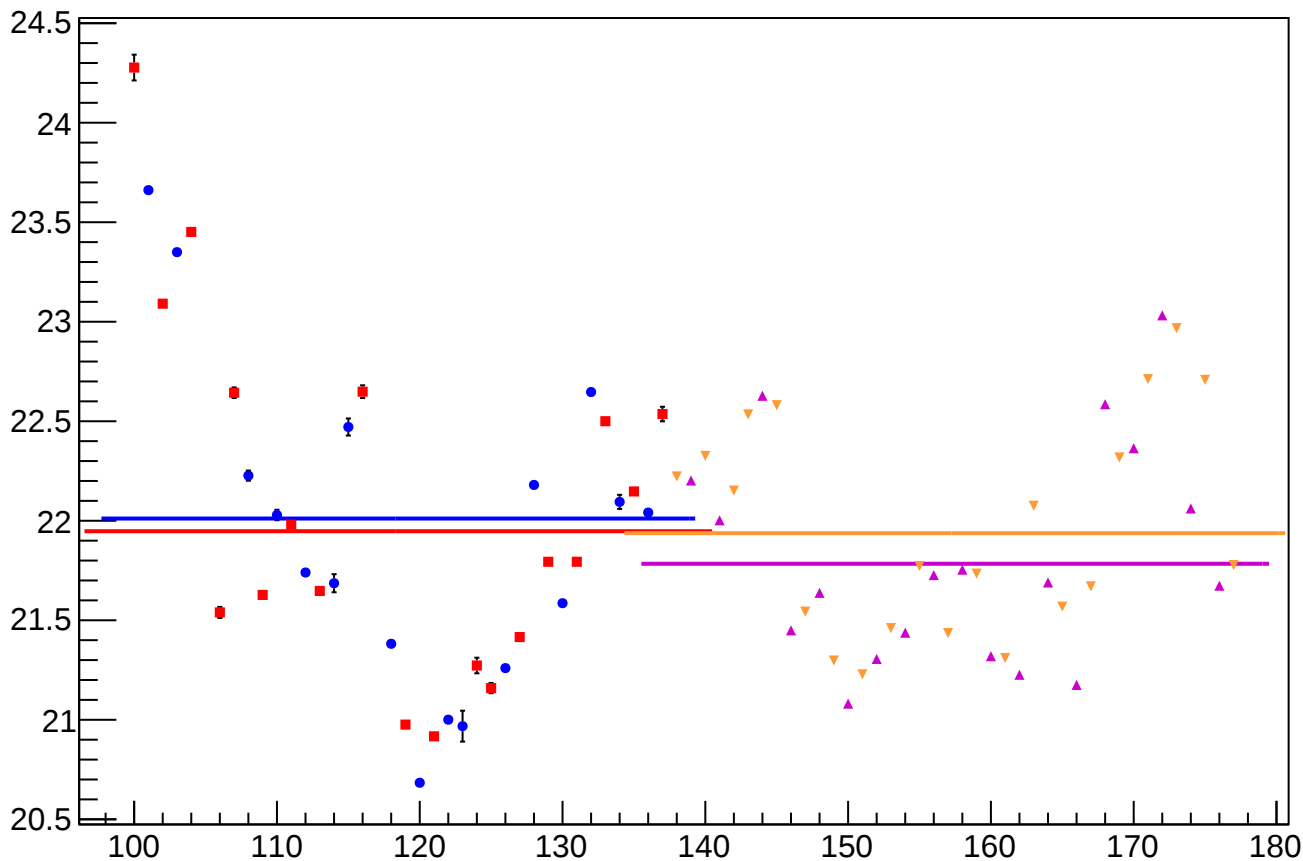
Left In: 8.896 ± 5.691 χ^2/NDF : 15.3/18

+ sign -8.366 ± 4.626 χ^2/NDF : 45.7/37

All: 0.743 ± 3.289 χ^2/NDF : 84.6/75

- sign 10.057 ± 4.677 χ^2/NDF : 31.0/37

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: 21.938 $\pm$ 0.004 χ^2 /NDF: 17902.6/20

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

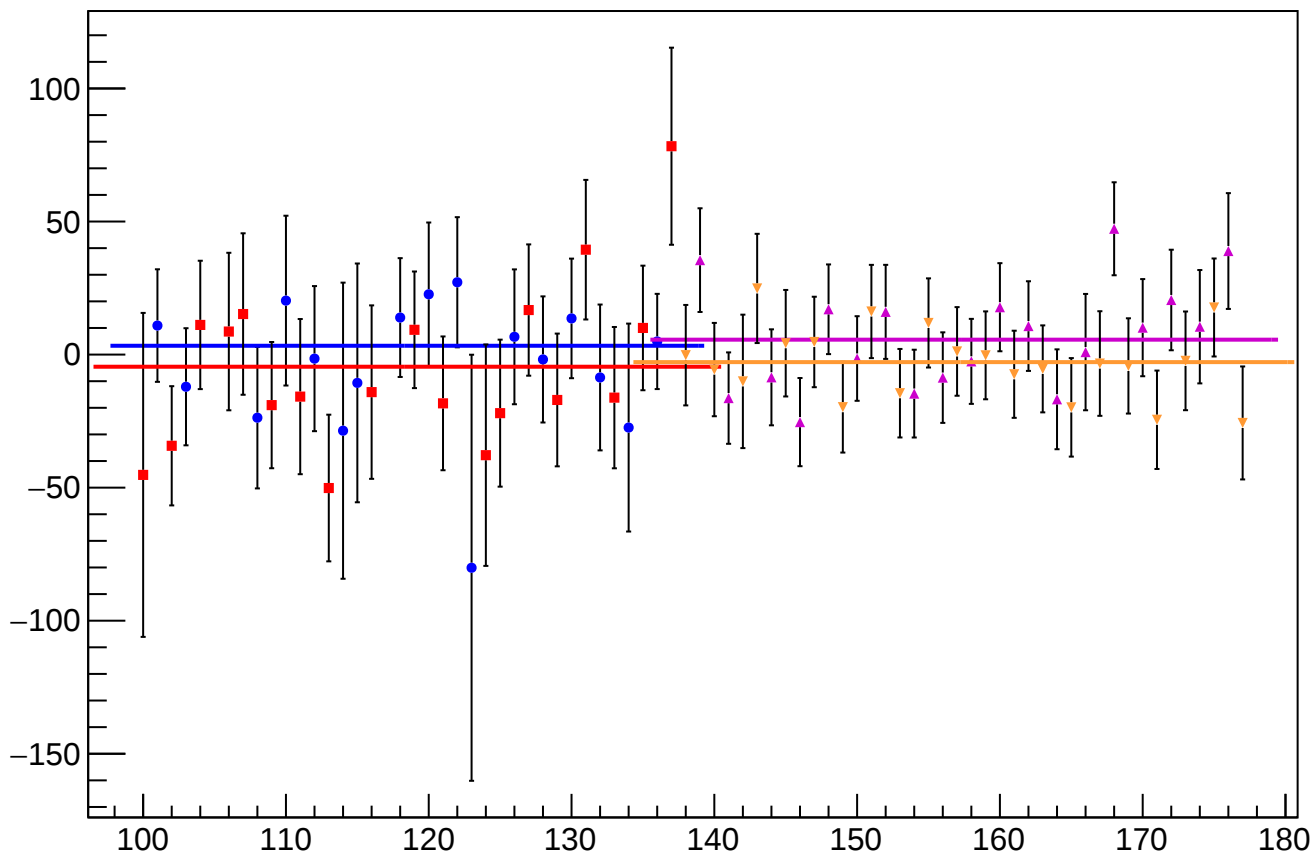
Left In: 21.784 $\pm$ 0.004 χ^2 /NDF: 17049.9/18

+ sign 21.959 $\pm$ 0.003 χ^2 /NDF: 35555.2/37

All: 21.899 $\pm$ 0.002 χ^2 /NDF: 70426.7/75

- sign 21.837 $\pm$ 0.003 χ^2 /NDF: 34178.6/37

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: -2.829 ± 3.946 χ^2/NDF : 10.5/20

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

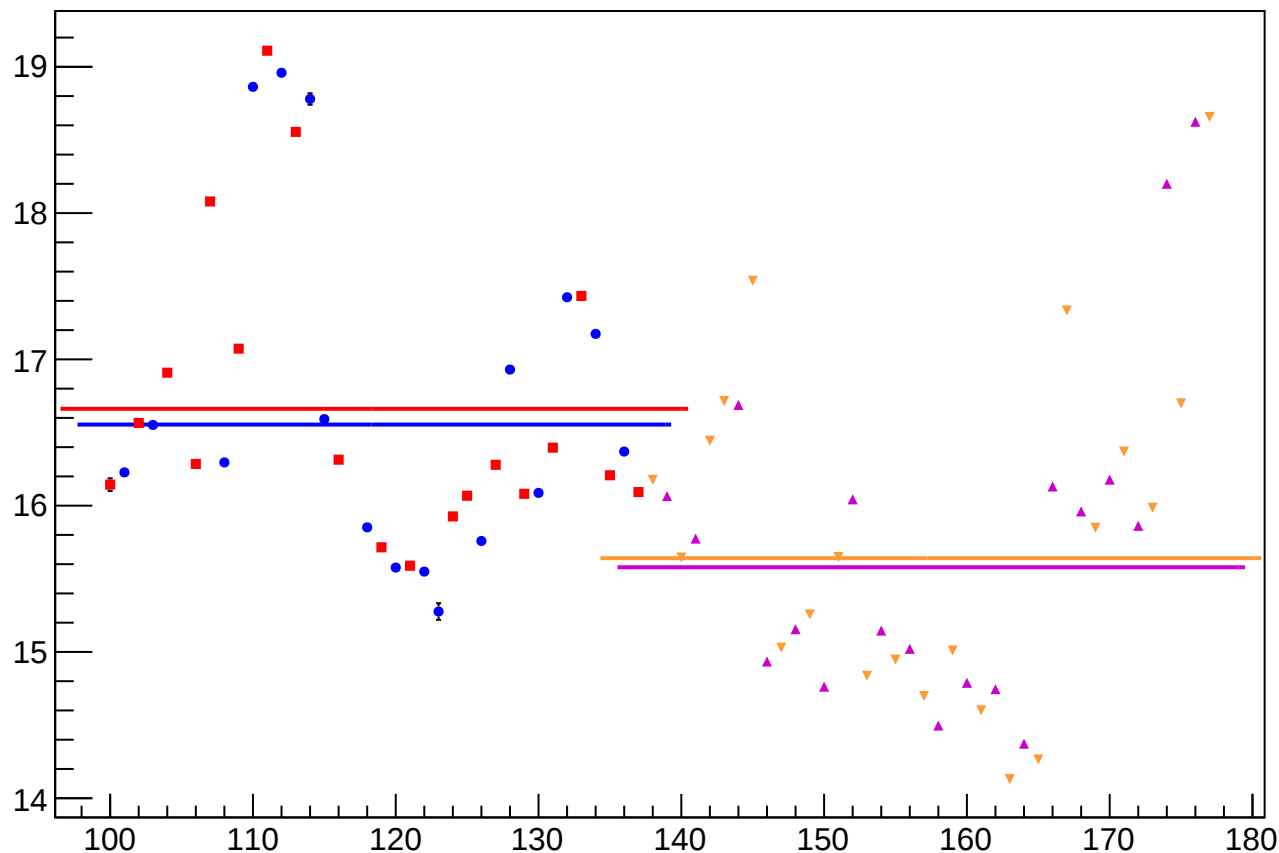
Left In: 5.605 ± 4.083 χ^2/NDF : 22.5/18

+ sign -1.132 ± 3.357 χ^2/NDF : 17.4/37

All: 0.681 ± 2.395 χ^2/NDF : 60.1/75

- sign 2.559 ± 3.417 χ^2/NDF : 42.0/37

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: 15.641 $\pm$ 0.003 χ^2 /NDF: 150237.4/20

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

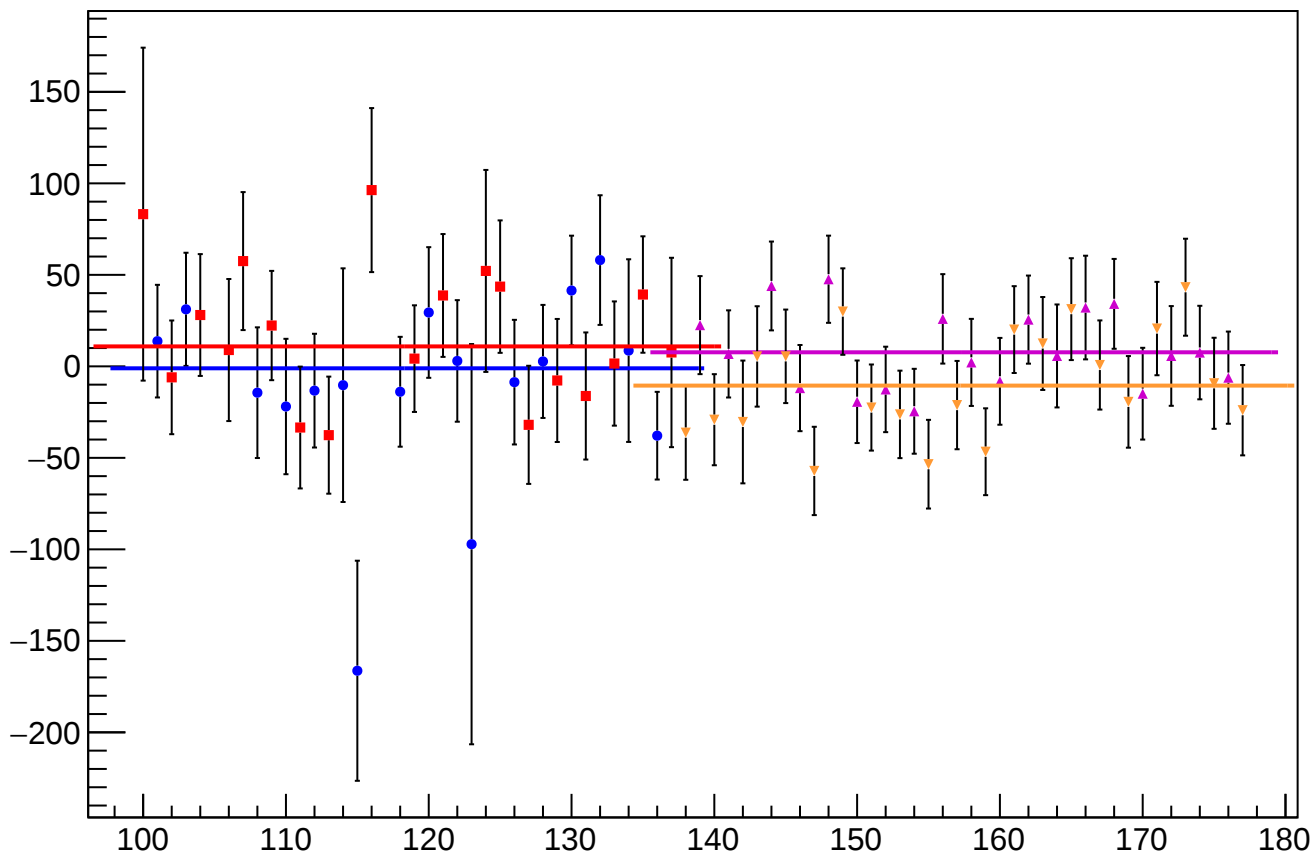
Left In: 15.579 $\pm$ 0.003 χ^2 /NDF: 124756.9/18

+ sign 15.893 $\pm$ 0.002 χ^2 /NDF: 224306.5/37

All: 15.898 $\pm$ 0.002 χ^2 /NDF: 434329.8/75

- sign 15.903 $\pm$ 0.002 χ^2 /NDF: 210014.3/37

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: -10.521 ± 5.484 χ^2/NDF : 26.6/20

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

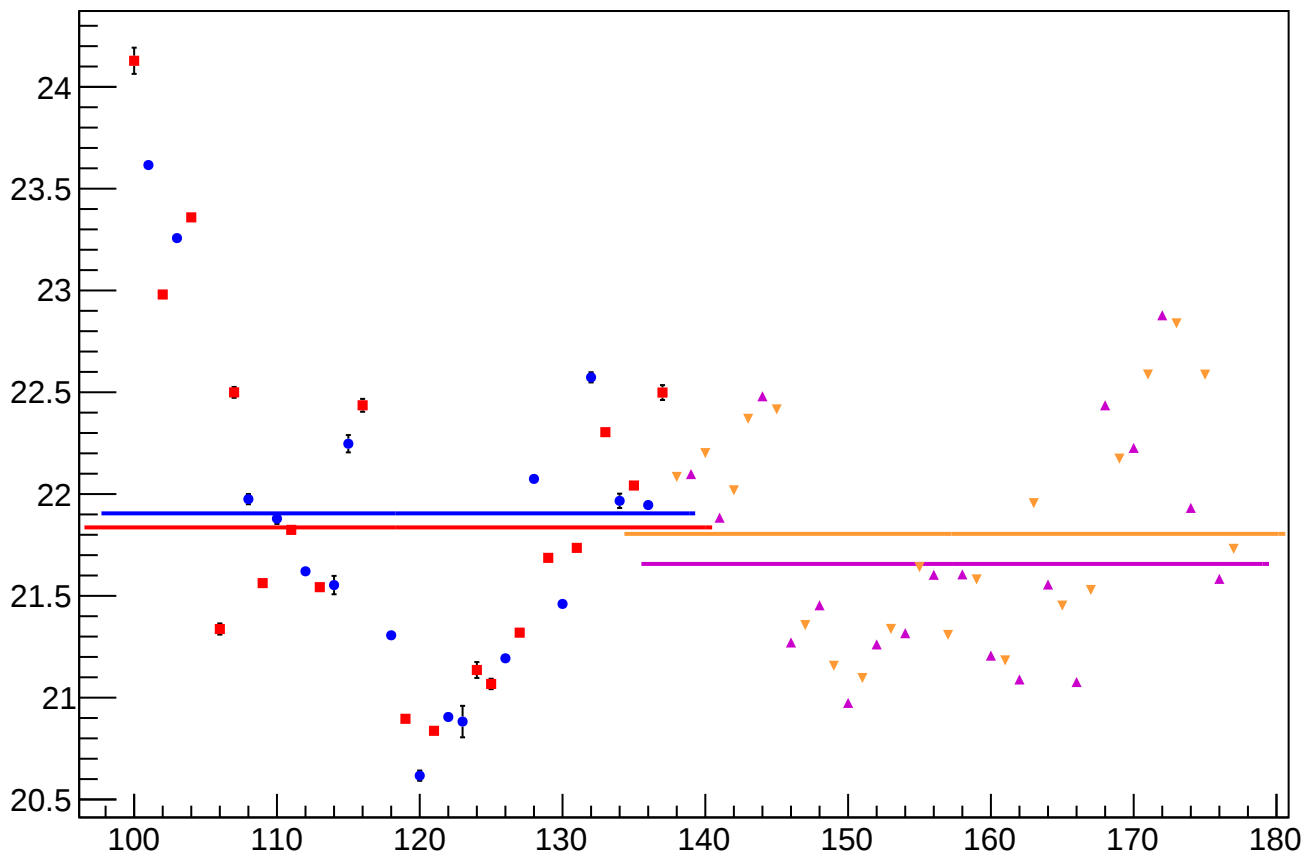
Left In: 7.682 ± 5.658 χ^2/NDF : 14.8/18

+ sign -7.717 ± 4.599 χ^2/NDF : 46.0/37

All: 0.411 ± 3.270 χ^2/NDF : 83.5/75

- sign 8.725 ± 4.651 χ^2/NDF : 31.2/37

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: 21.804 $\pm$ 0.004 χ^2 /NDF: 18078.2/20

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

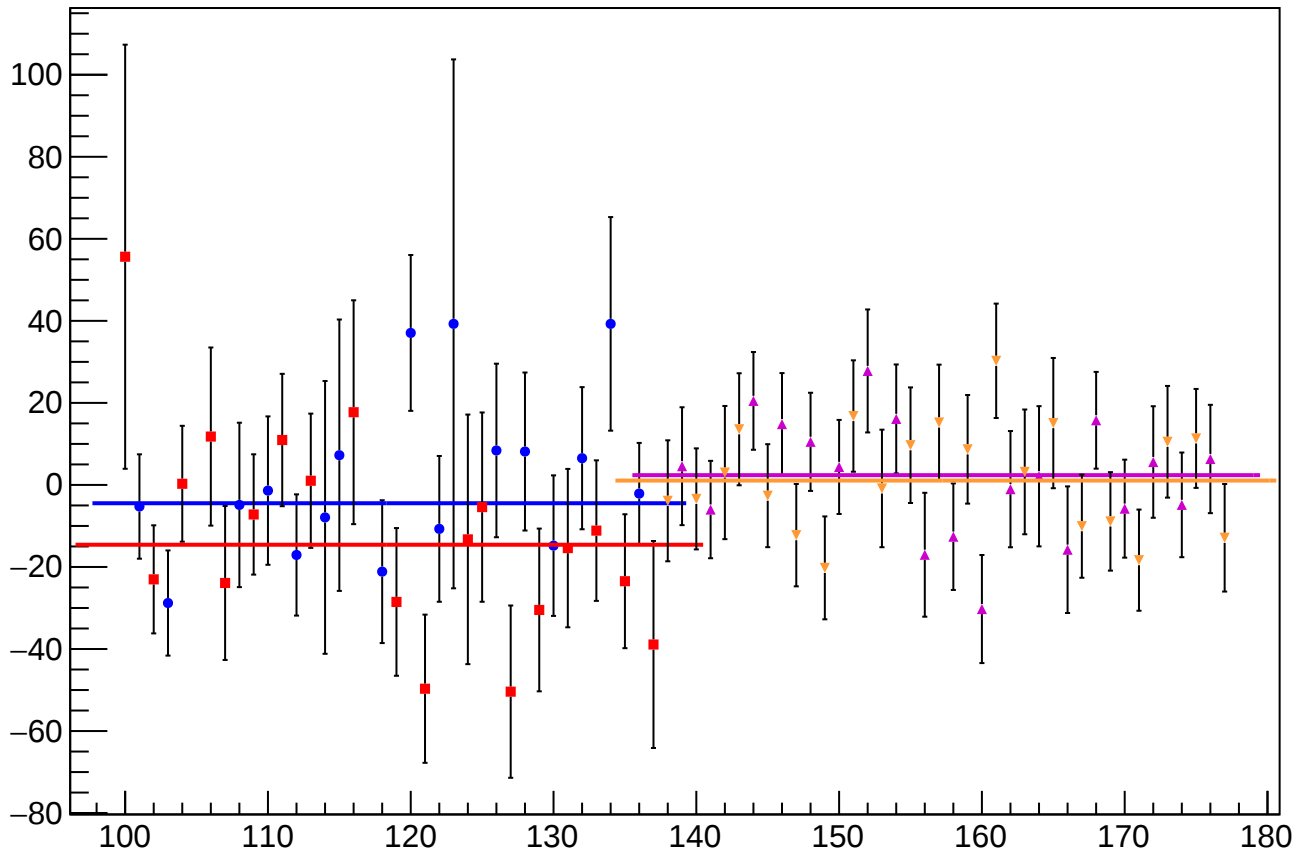
Left In: 21.657 $\pm$ 0.004 χ^2 /NDF: 16574.7/18

+ sign 21.834 $\pm$ 0.003 χ^2 /NDF: 36072.4/37

All: 21.775 $\pm$ 0.002 χ^2 /NDF: 70215.2/75

- sign 21.715 $\pm$ 0.003 χ^2 /NDF: 33477.1/37

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: 1.069±/2.925 χ^2/NDF :19.7/20

Right Out: -14.579±/4.264 χ^2/NDF : 19.5/18

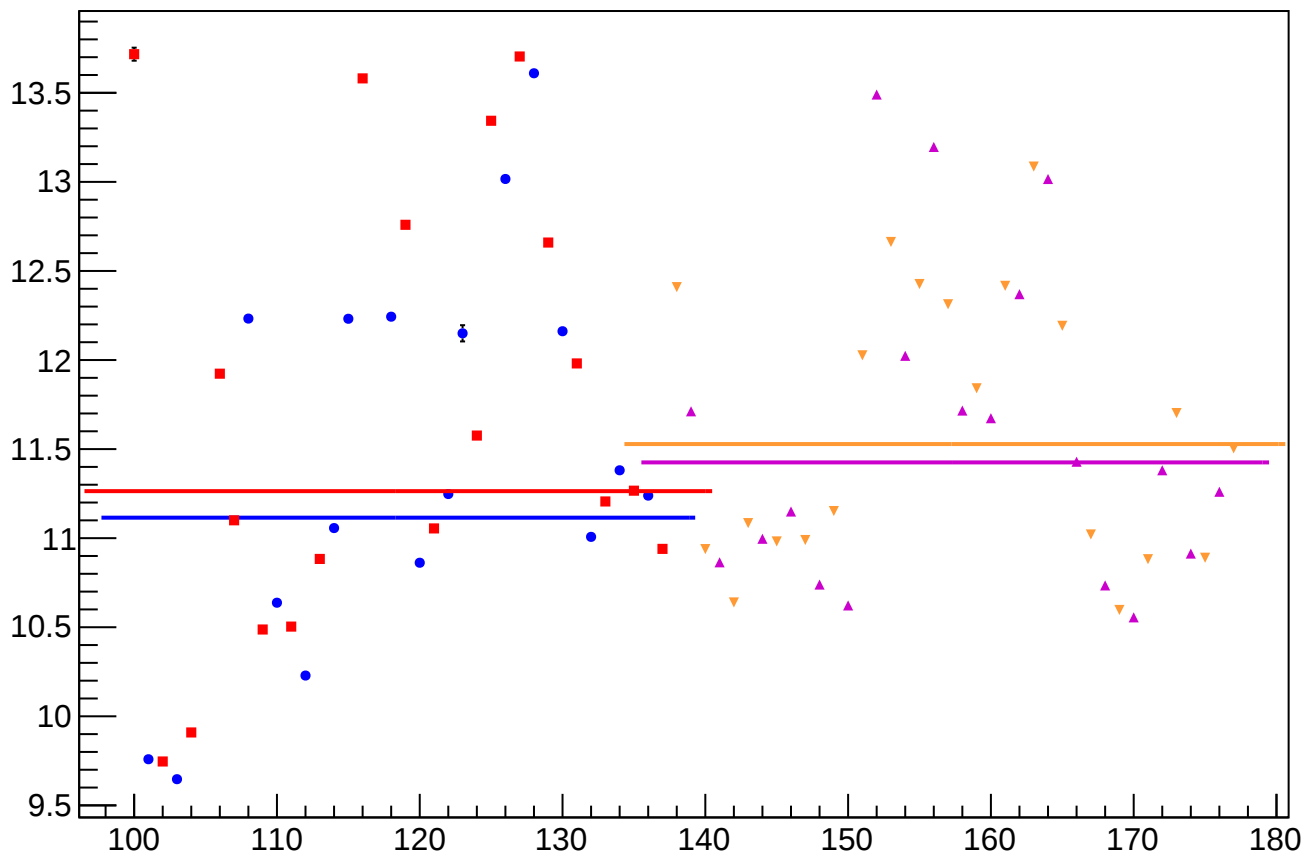
Left In: 2.384±/3.011 χ^2/NDF :21.0/18

+ sign -0.664±/2.423 χ^2/NDF : 36.1/37

All: -1.943±/1.726 χ^2/NDF : 87.7/75

- sign -3.260±/2.459 χ^2/NDF : 51.1/37

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: 11.528 $\pm$ 0.002 χ^2 /NDF: 119131.8/20

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

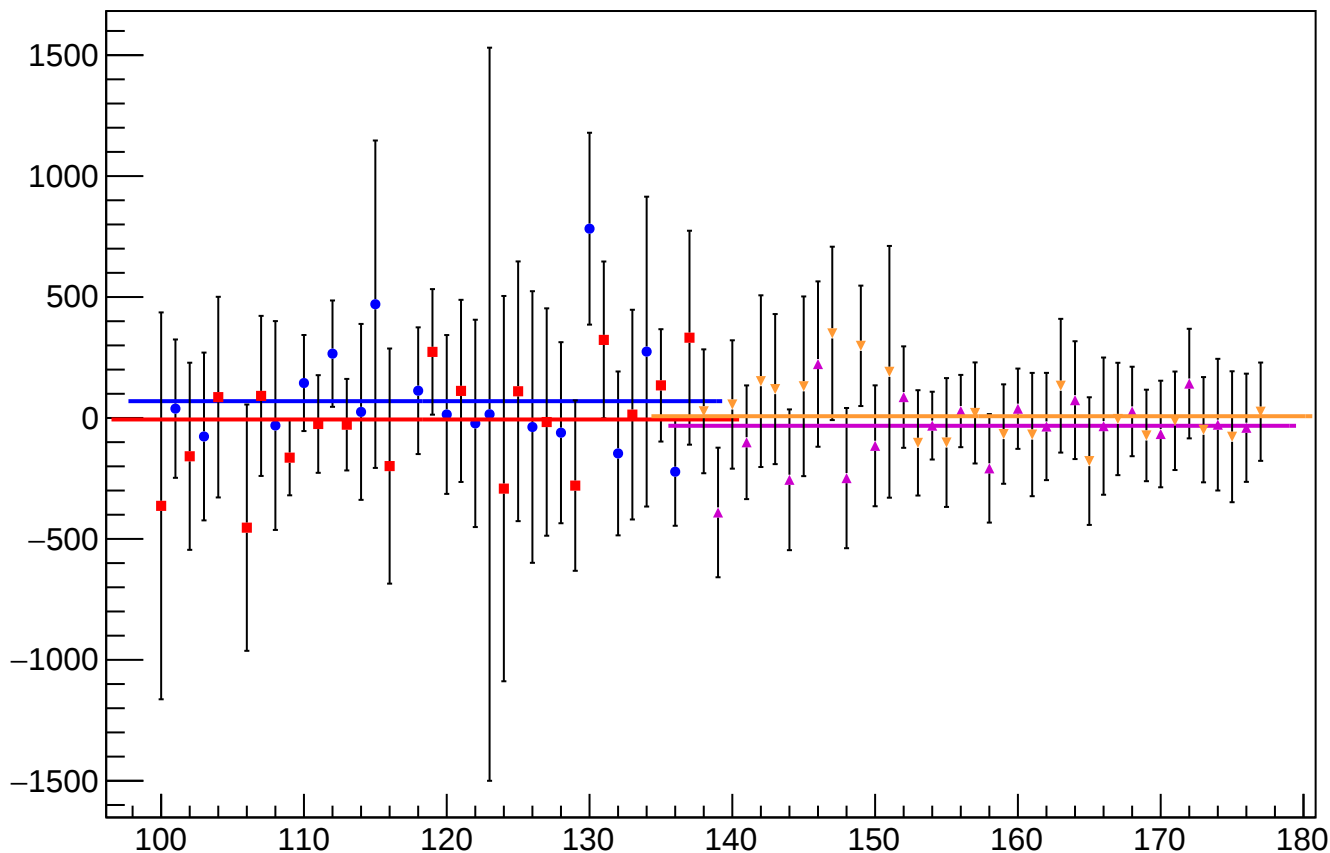
Left In: 11.425 $\pm$ 0.002 χ^2 /NDF: 143649.5/18

+ sign 11.399 $\pm$ 0.002 χ^2 /NDF: 264705.7/37

All: 11.385 $\pm$ 0.001 χ^2 /NDF: 557872.7/75

- sign 11.372 $\pm$ 0.002 χ^2 /NDF: 293043.4/37

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: 7.277 ± 54.485 χ^2/NDF : 4.6/20

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

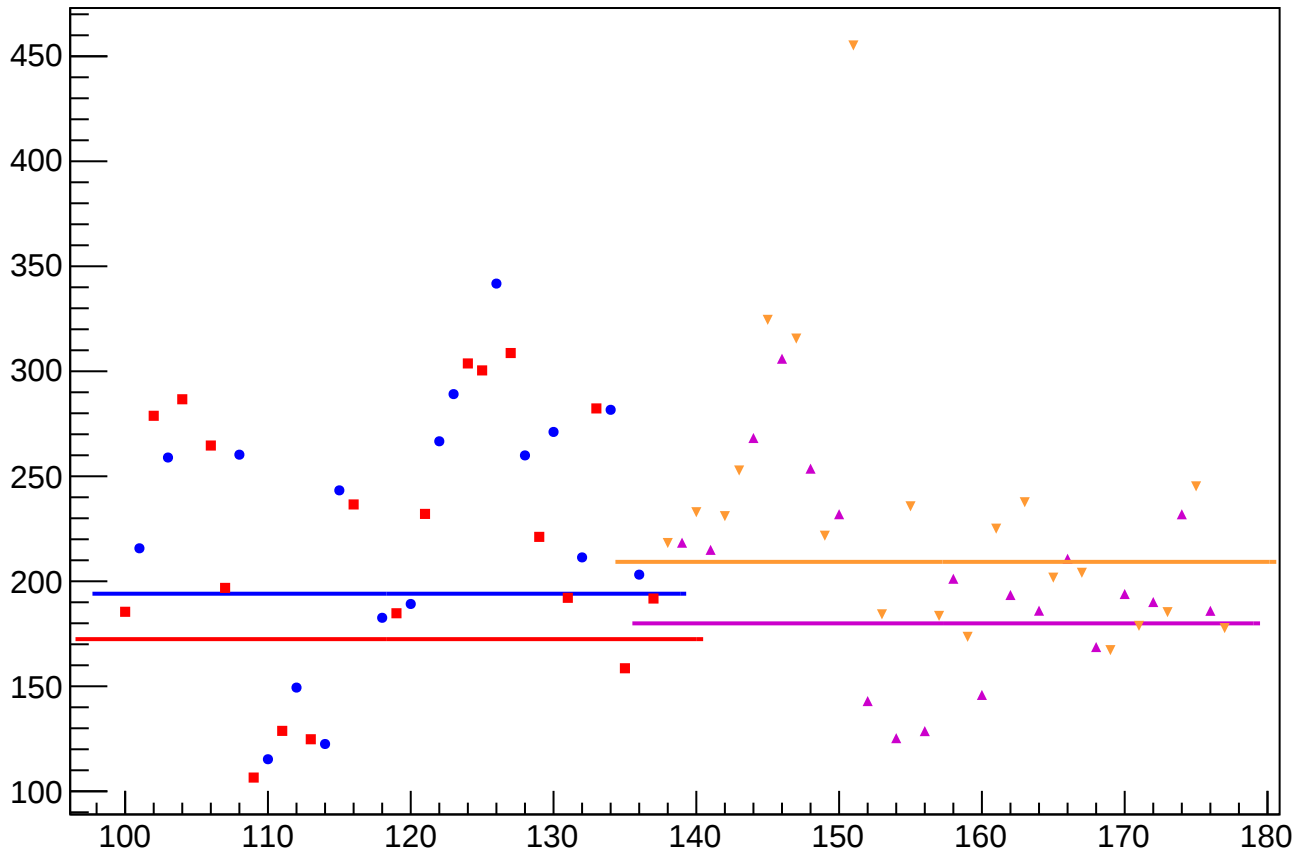
Left In: -32.335 ± 49.545 χ^2/NDF : 5.9/18

+ sign 27.245 ± 44.894 χ^2/NDF : 12.2/37

All: -0.825 ± 30.062 χ^2/NDF : 25.4/75

- sign -23.641 ± 40.476 χ^2/NDF : 12.5/37

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: 209.252 $\pm$ 0.039 χ^2 /NDF:1304813.0/20

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

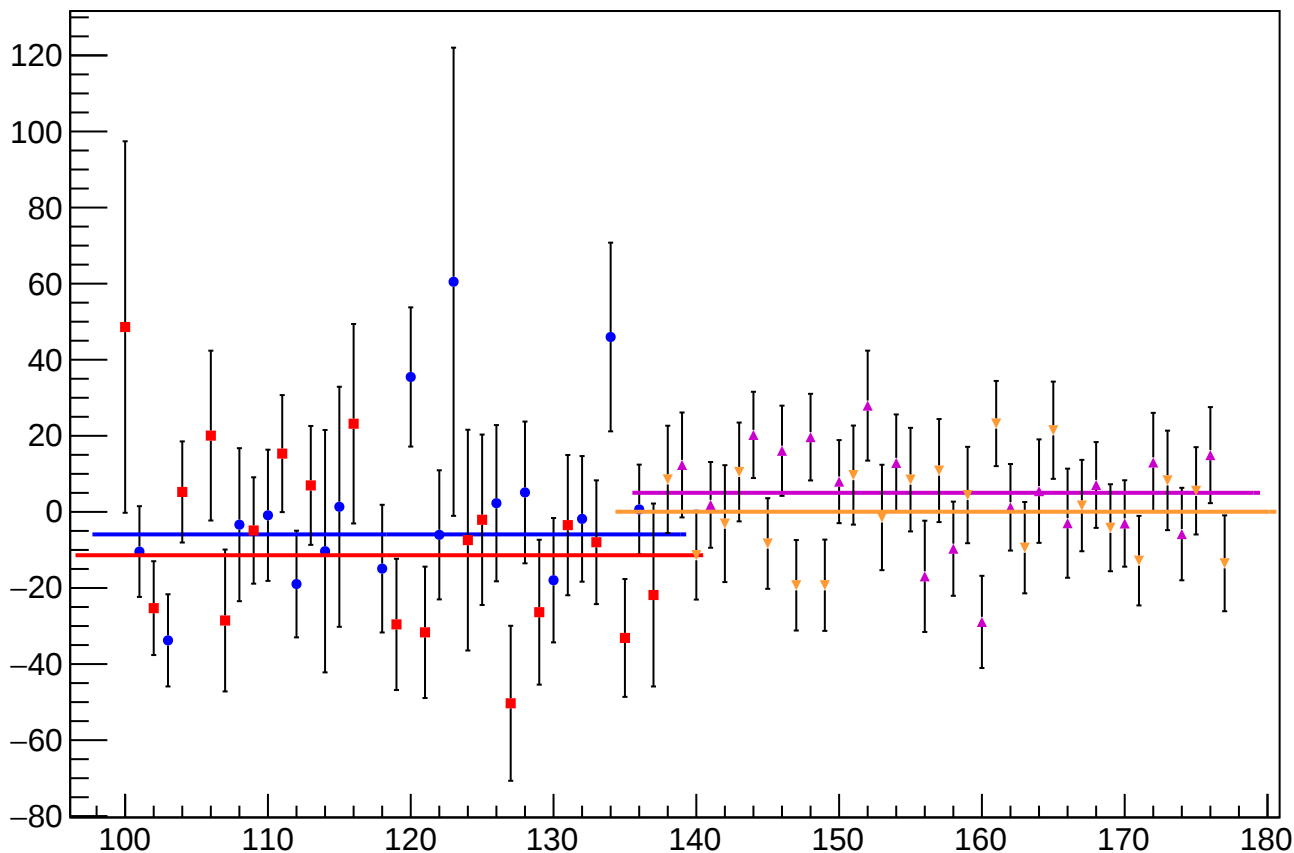
Left In: 179.959 $\pm$ 0.035 χ^2 /NDF:1587771.5/18

+ sign 204.381 $\pm$ 0.032 χ^2 /NDF: 2359987.8/37

All: 189.532 $\pm$ 0.021 χ^2 /NDF: 5929145.4/75

- sign 177.462 $\pm$ 0.029 χ^2 /NDF: 3172508.0/37

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: 0.044 ± 2.728 χ^2/NDF : 20.3/20

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

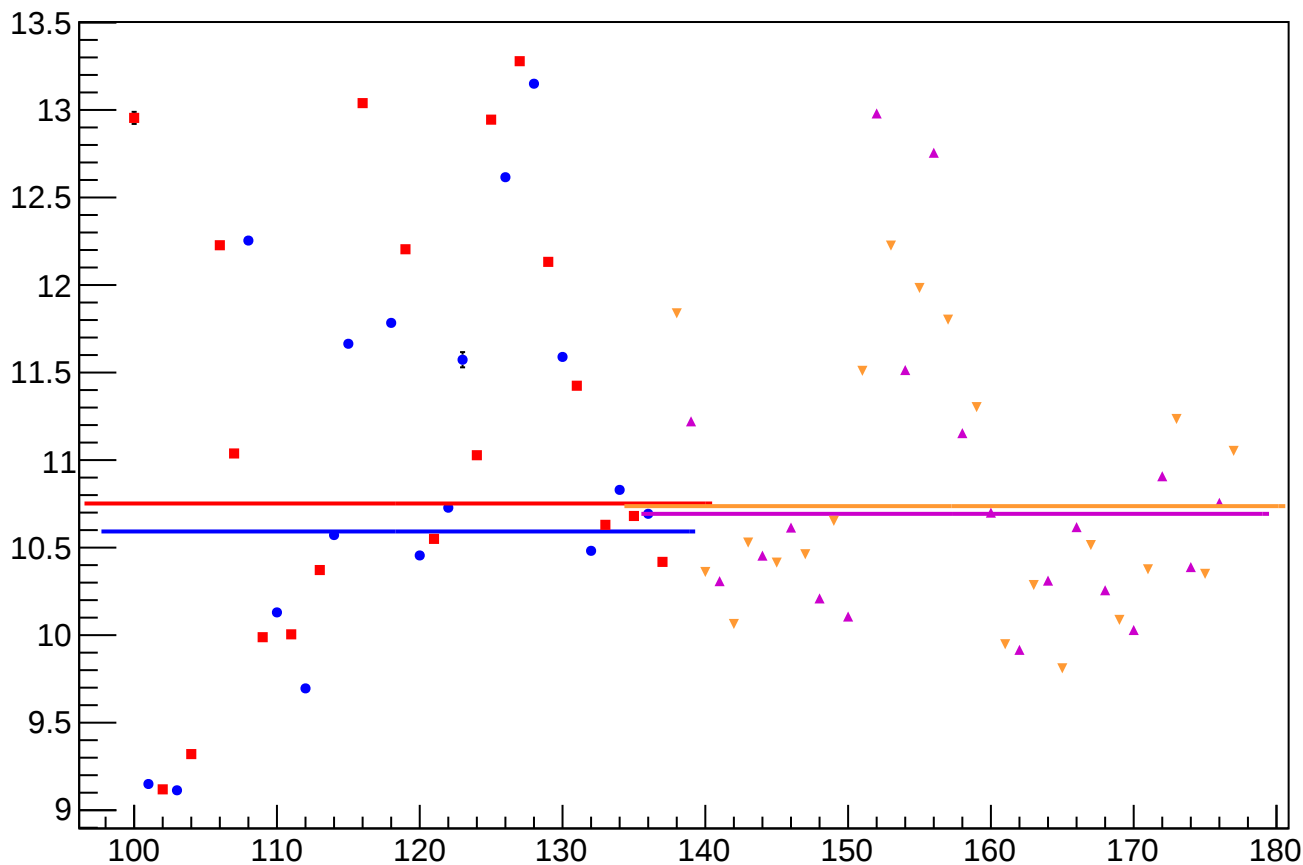
Left In: 5.020 ± 2.821 χ^2/NDF : 21.9/18

+ sign -1.764 ± 2.277 χ^2/NDF : 40.6/37

All: -1.042 ± 1.625 χ^2/NDF : 96.5/75

- sign -0.292 ± 2.320 χ^2/NDF : 55.7/37

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: 10.737 ± 0.002 χ^2/NDF : 123182.5/20

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

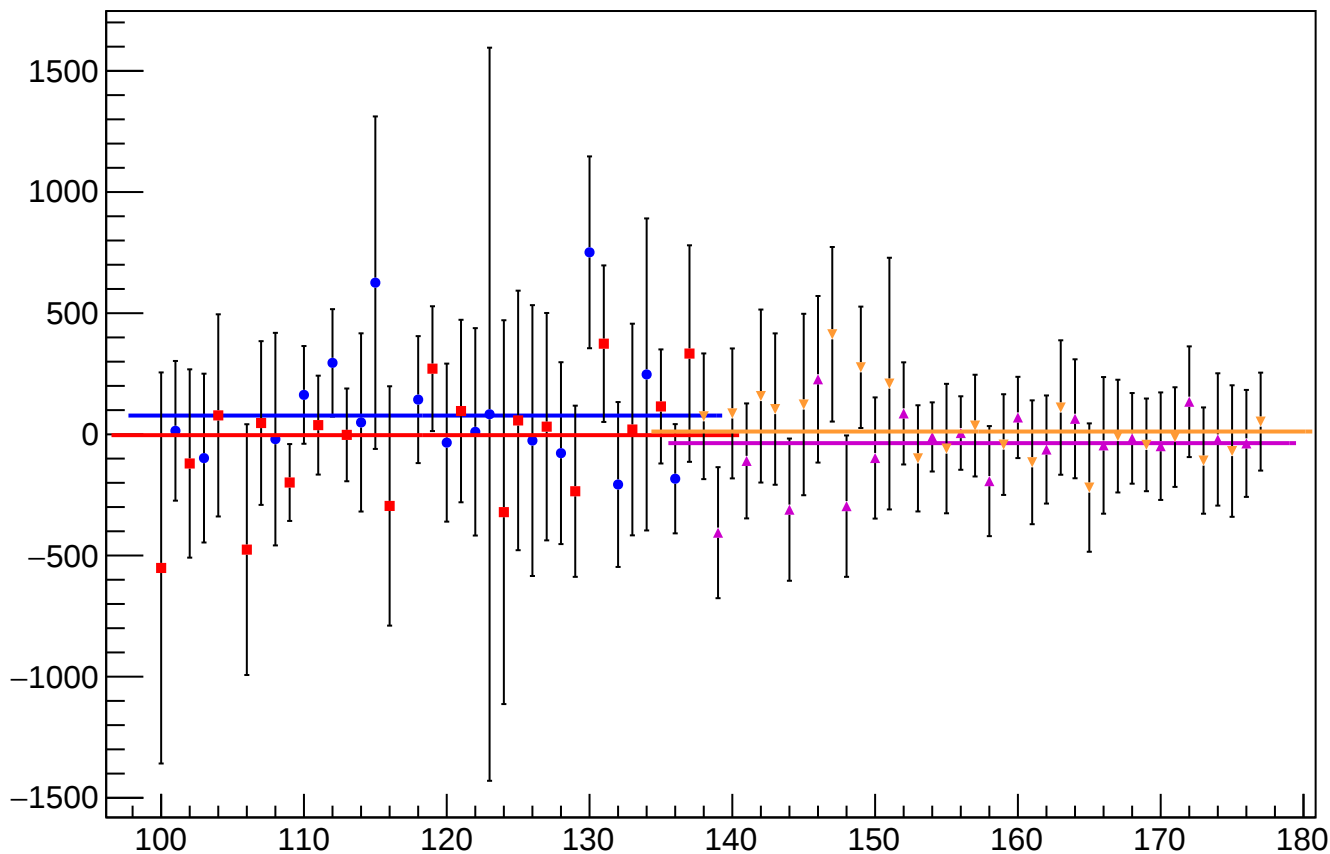
Left In: 10.693 ± 0.002 χ^2/NDF : 139185.0/18

+ sign 10.693 ± 0.002 χ^2/NDF : 285288.0/37

All: 10.702 ± 0.001 χ^2/NDF : 601720.7/75

- sign 10.712 ± 0.002 χ^2/NDF : 316364.3/37

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: 11.678 $\pm$ 54.807 χ^2 /NDF: 5.1/20

Right Out: -3.305 $\pm$ 70.855 χ^2 /NDF: 7.4/18

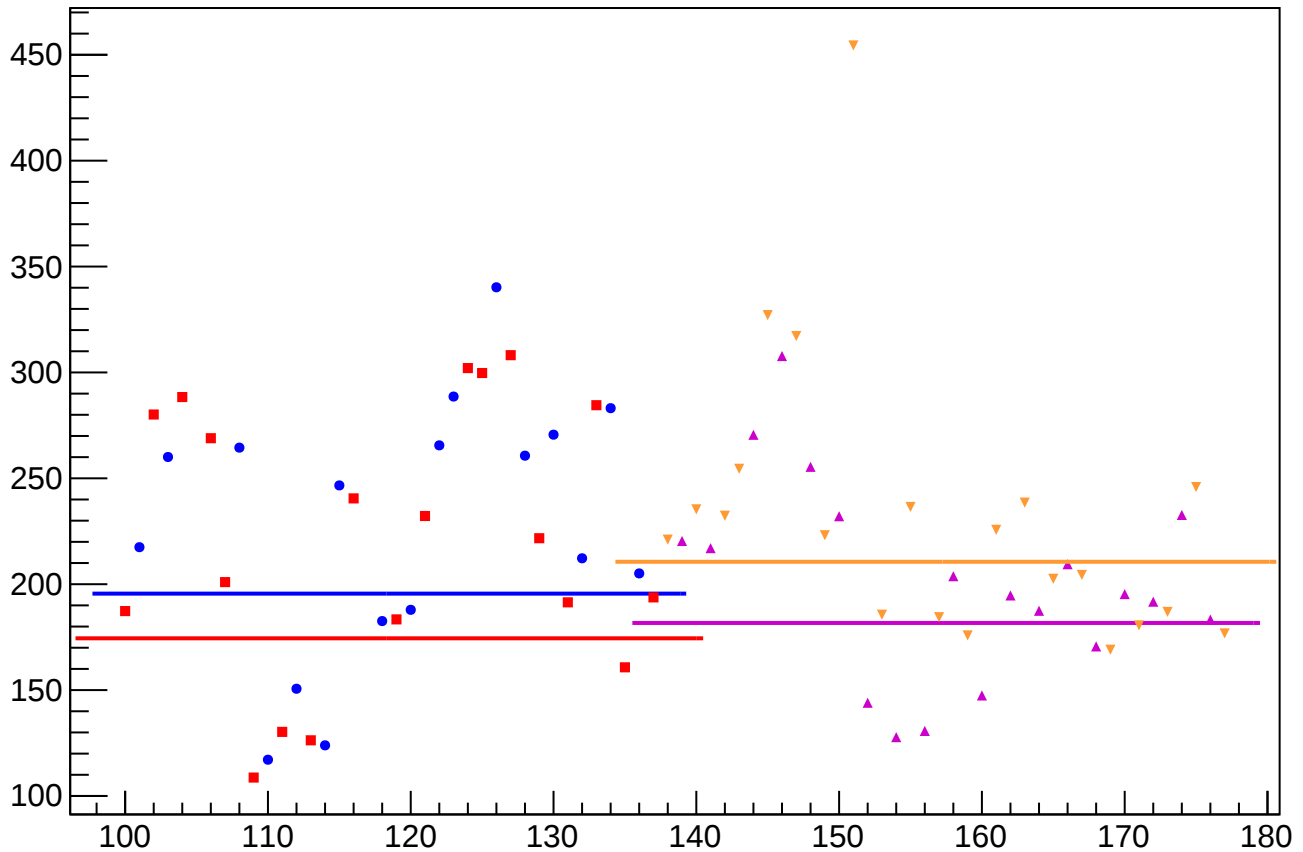
Left In: -36.243 $\pm$ 49.966 χ^2 /NDF: 6.4/18

+ sign 32.821 $\pm$ 45.169 χ^2 /NDF: 13.1/37

All: 0.836 $\pm$ 30.291 χ^2 /NDF: 27.8/75

- sign -25.304 $\pm$ 40.834 χ^2 /NDF: 13.9/37

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: 210.591 $\pm$ 0.039 χ^2 /NDF: 1294191.5/20

+ sign 205.766 $\pm$ 0.032 χ^2 /NDF: 2322439.7/37

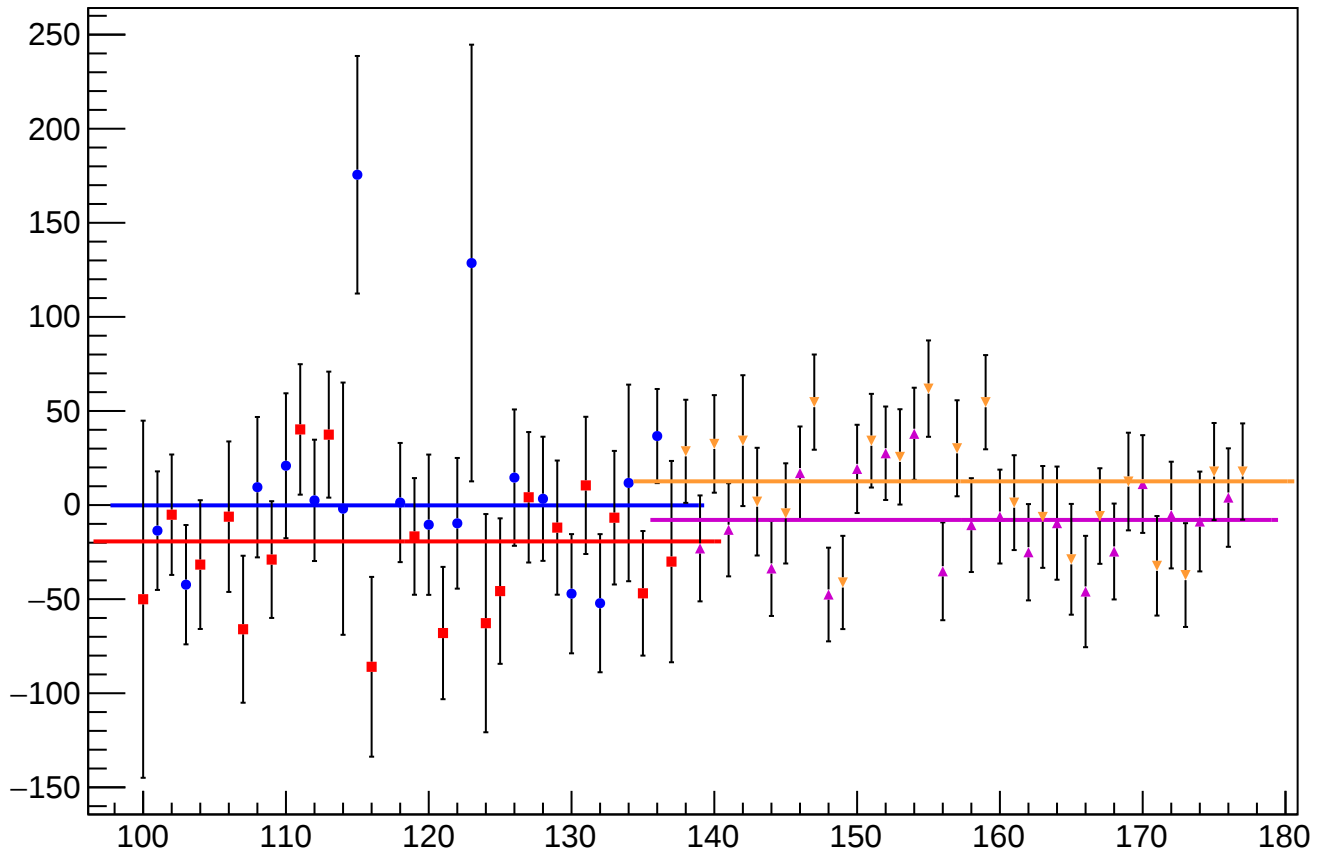
Right Out: 174.449 $\pm$ 0.050 χ^2 /NDF: 1528629.1/18

All: 191.198 $\pm$ 0.021 χ^2 /NDF: 5783111.5/75

- sign 179.293 $\pm$ 0.029 χ^2 /NDF: 3082610.1/37

Left In: 181.701 $\pm$ 0.035 χ^2 /NDF: 1539988.8/18

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: 12.610 ± 5.754 χ^2/NDF : 26.8/20

Right Out: -19.316 ± 8.554 χ^2/NDF : 14.8/18

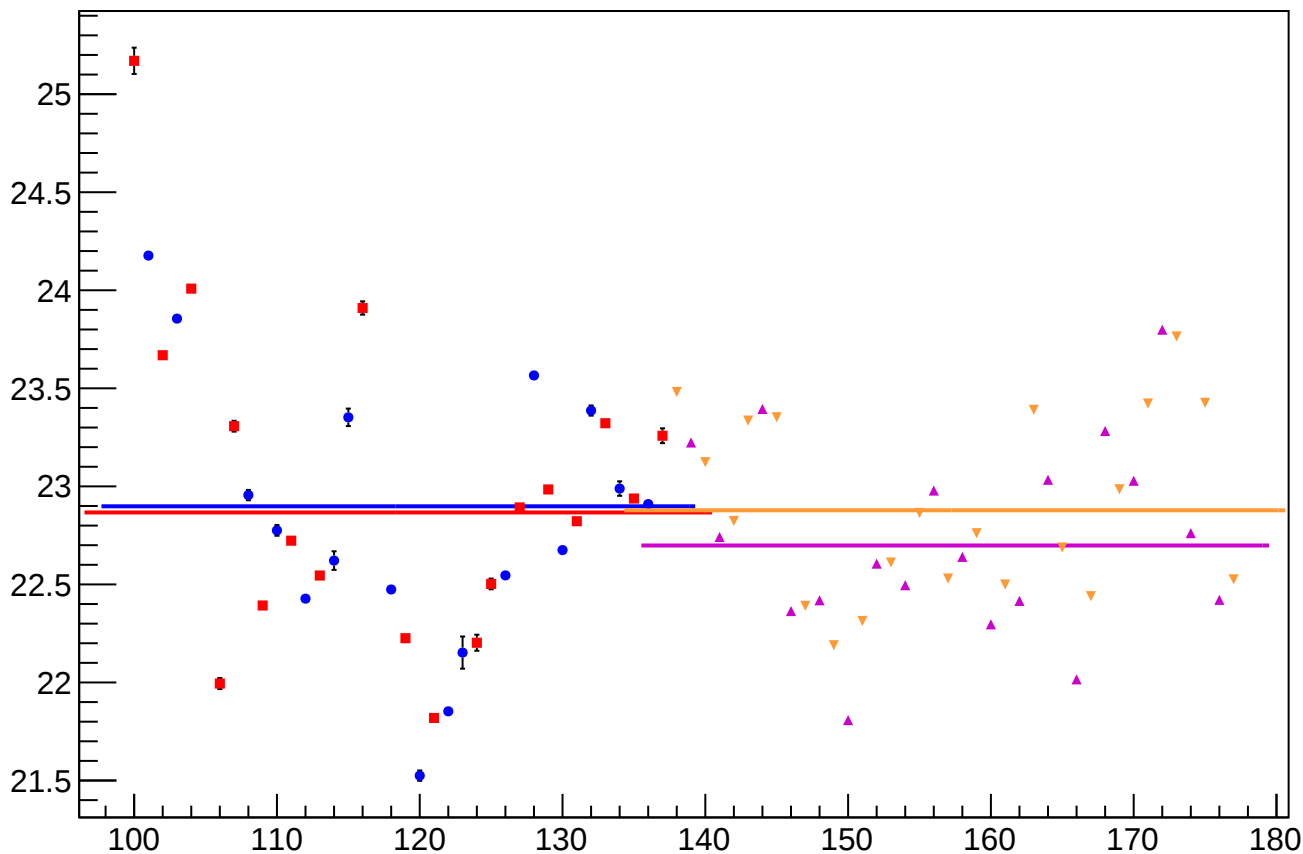
Left In: -7.894 ± 5.930 χ^2/NDF : 16.2/18

+ sign 8.802 ± 4.820 χ^2/NDF : 46.3/37

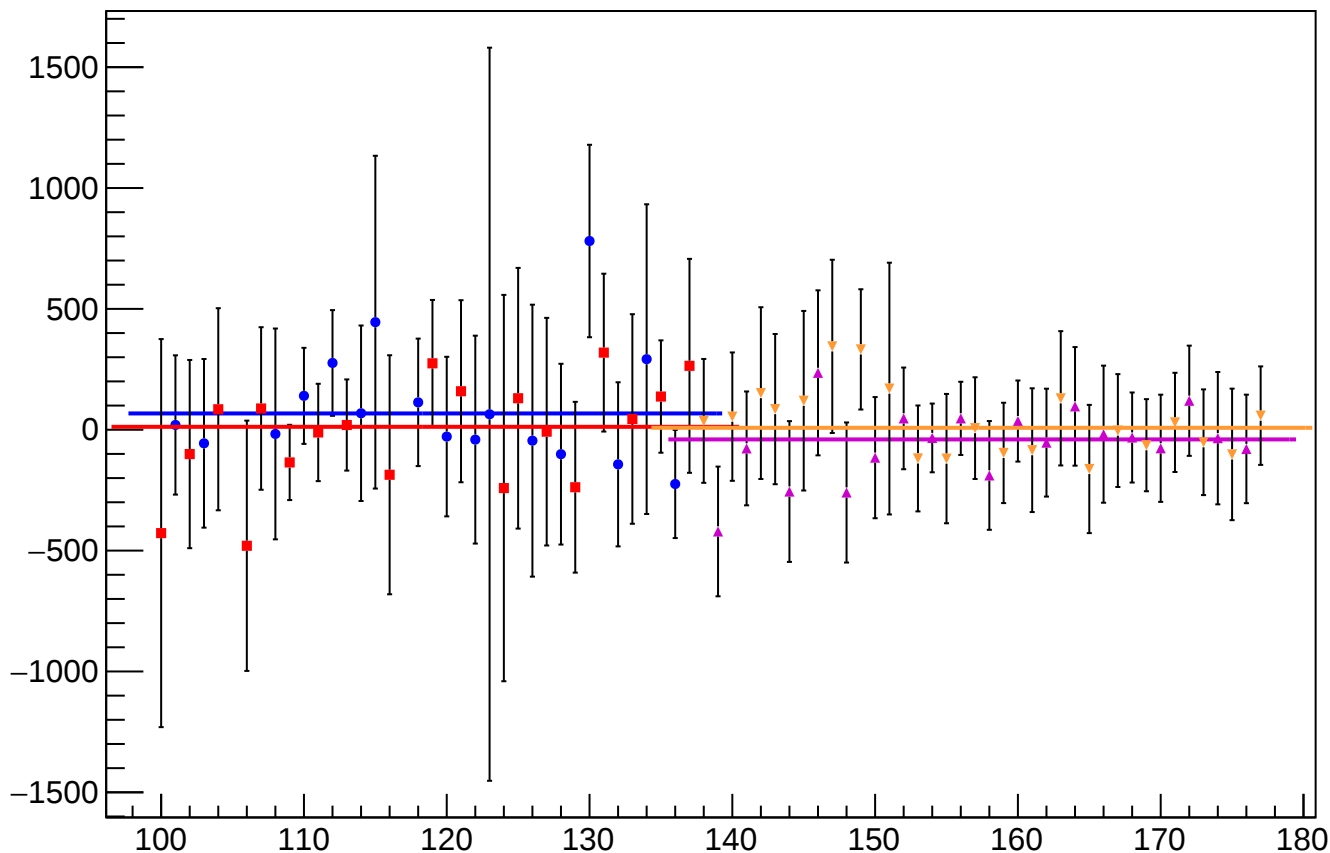
All: -1.288 ± 3.427 χ^2/NDF : 87.4/75

- sign -11.602 ± 4.874 χ^2/NDF : 32.2/37

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



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: 8.059 $\pm$ 54.738 χ^2 /NDF: 5.0/20

Right Out: 12.117 $\pm$ 70.355 χ^2 /NDF: 5.8/18

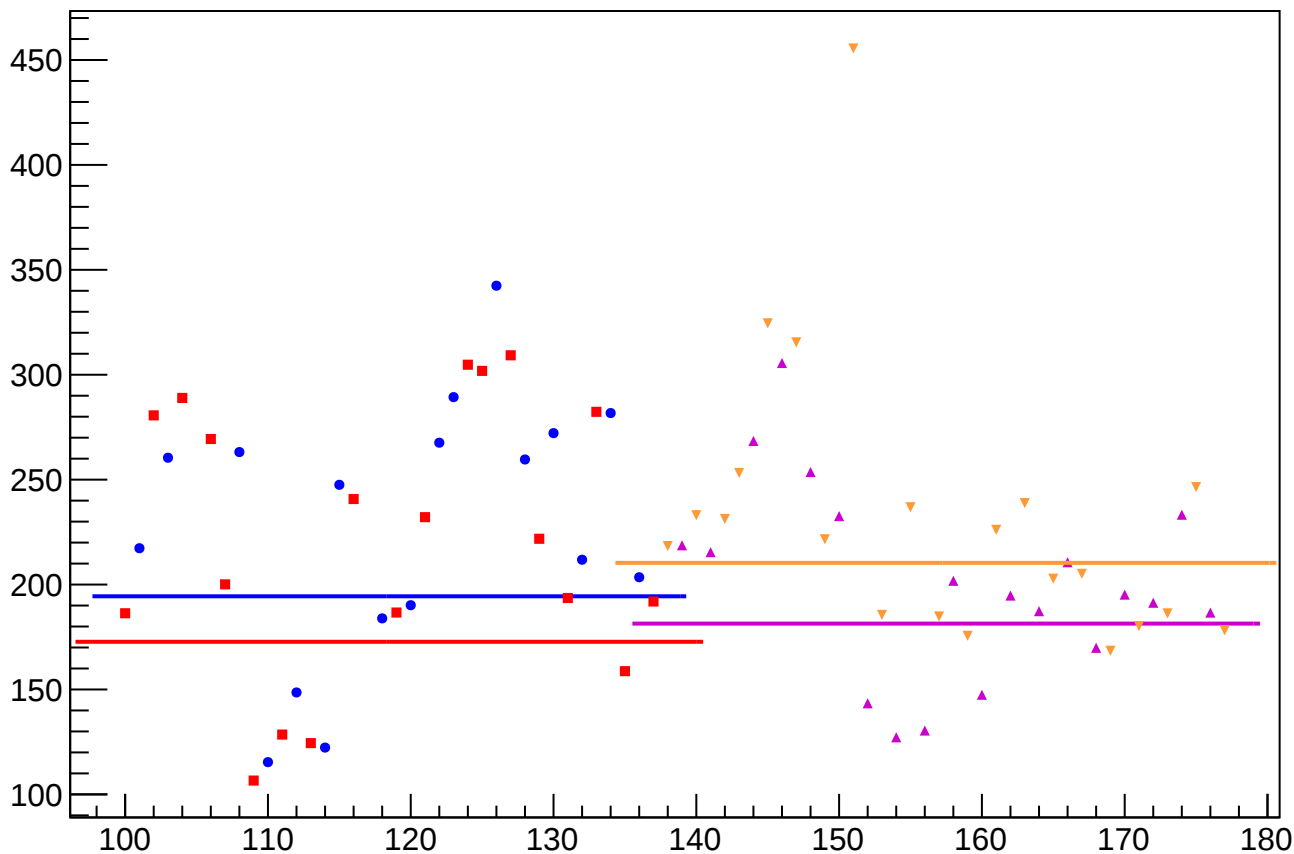
Left In: -40.016 $\pm$ 49.885 χ^2 /NDF: 5.9/18

+ sign 27.190 $\pm$ 45.067 χ^2 /NDF: 12.8/37

All: -0.224 $\pm$ 30.203 χ^2 /NDF: 25.5/75

- sign -22.575 $\pm$ 40.694 χ^2 /NDF: 12.0/37

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: 210.344 $\pm$ 0.039 χ^2 /NDF:1281163.4/20

Right Out: 172.730 $\pm$ 0.050 χ^2 /NDF: 1596758.0/18

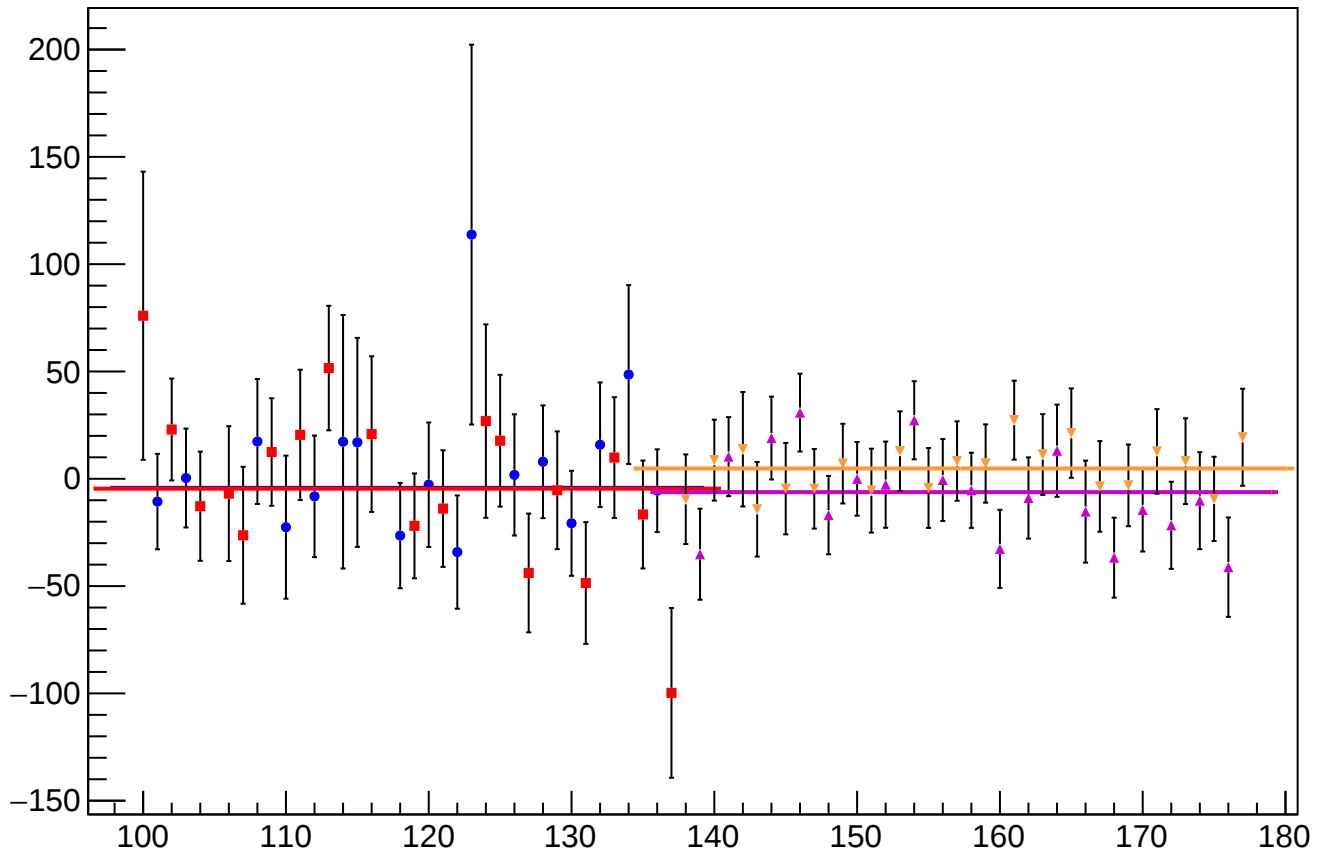
Left In: 181.400 $\pm$ 0.035 χ^2 /NDF:1533999.7/18

+ sign 205.211 $\pm$ 0.032 χ^2 /NDF: 2355663.0/37

All: 190.497 $\pm$ 0.021 χ^2 /NDF: 5893672.8/75

- sign 178.499 $\pm$ 0.029 χ^2 /NDF: 3150966.5/37

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: 4.811 ± 4.318 χ^2/NDF : 6.3/20

Right Out: -4.599 ± 6.725 χ^2/NDF : 21.1/18

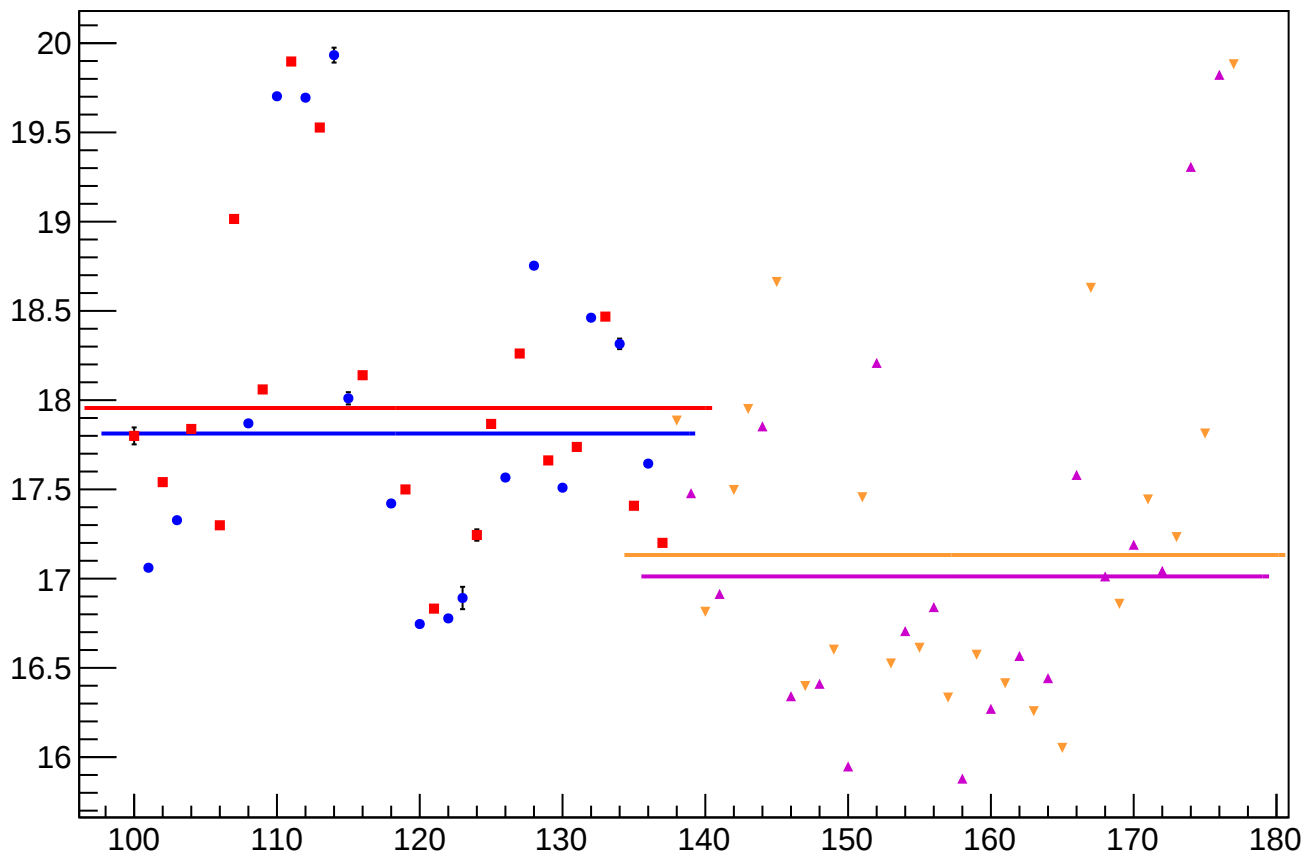
Left In: -6.224 ± 4.457 χ^2/NDF : 21.4/18

+ sign 2.253 ± 3.656 χ^2/NDF : 15.5/37

All: -1.674 ± 2.606 χ^2/NDF : 60.4/75

- sign -5.728 ± 3.715 χ^2/NDF : 42.5/37

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.813 ± 0.005 χ^2/NDF : 32034.8/16

Left Out: 17.132 ± 0.003 χ^2/NDF : 86980.8/20

Right Out: 17.956 ± 0.005 χ^2/NDF : 25445.3/18

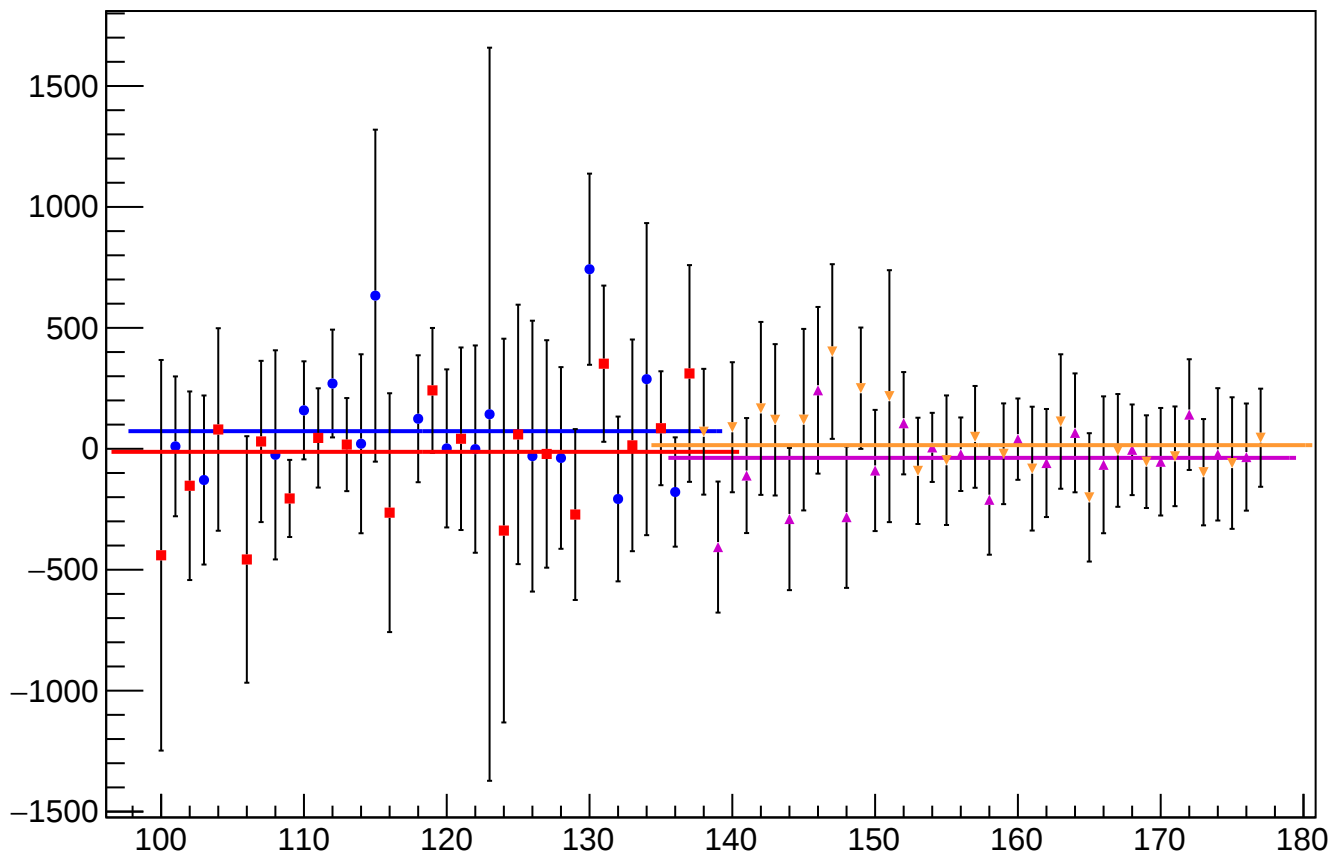
Left In: 17.012 ± 0.003 χ^2/NDF : 90886.5/18

+ sign 17.325 ± 0.003 χ^2/NDF : 133081.8/37

All: 17.313 ± 0.002 χ^2/NDF : 276815.4/75

- sign 17.300 ± 0.003 χ^2/NDF : 143688.6/37

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 72.888+/-79.948 χ^2/NDF : 7.2/16

Left Out: 15.061+/-54.933 χ^2/NDF : 4.5/20

Right Out: -12.565+/-71.013 χ^2/NDF : 6.7/18

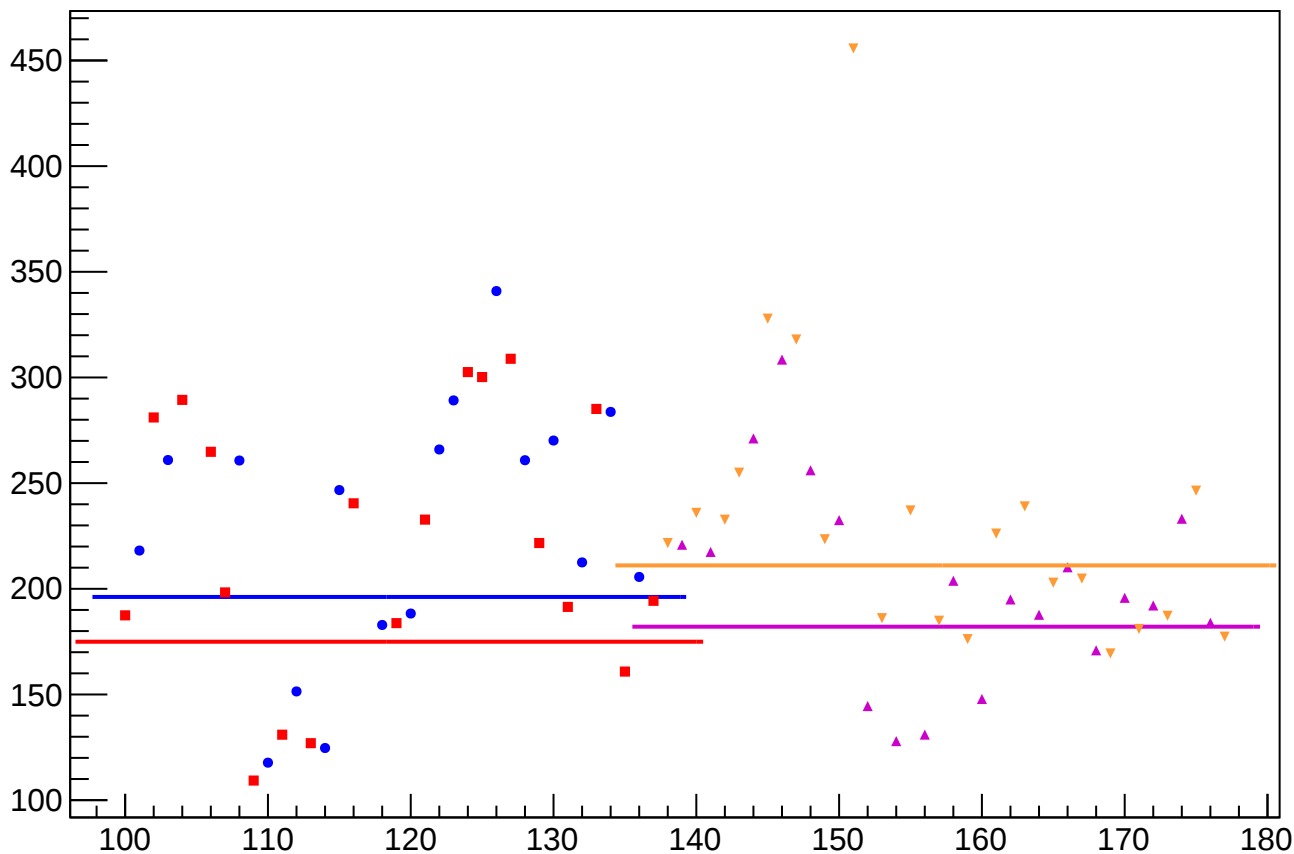
Left In: -37.490+/-50.070 χ^2/NDF : 6.3/18

+ sign 33.607+/-45.275 χ^2/NDF : 12.1/37

All: -0.969+/-30.359 χ^2/NDF : 26.2/75

- sign -29.213+/-40.921 χ^2/NDF : 13.1/37

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: 211.076 $\pm$ 0.039 χ^2 /NDF:1293656.0/20

Right Out: 174.965 $\pm$ 0.050 χ^2 /NDF: 1510956.5/18

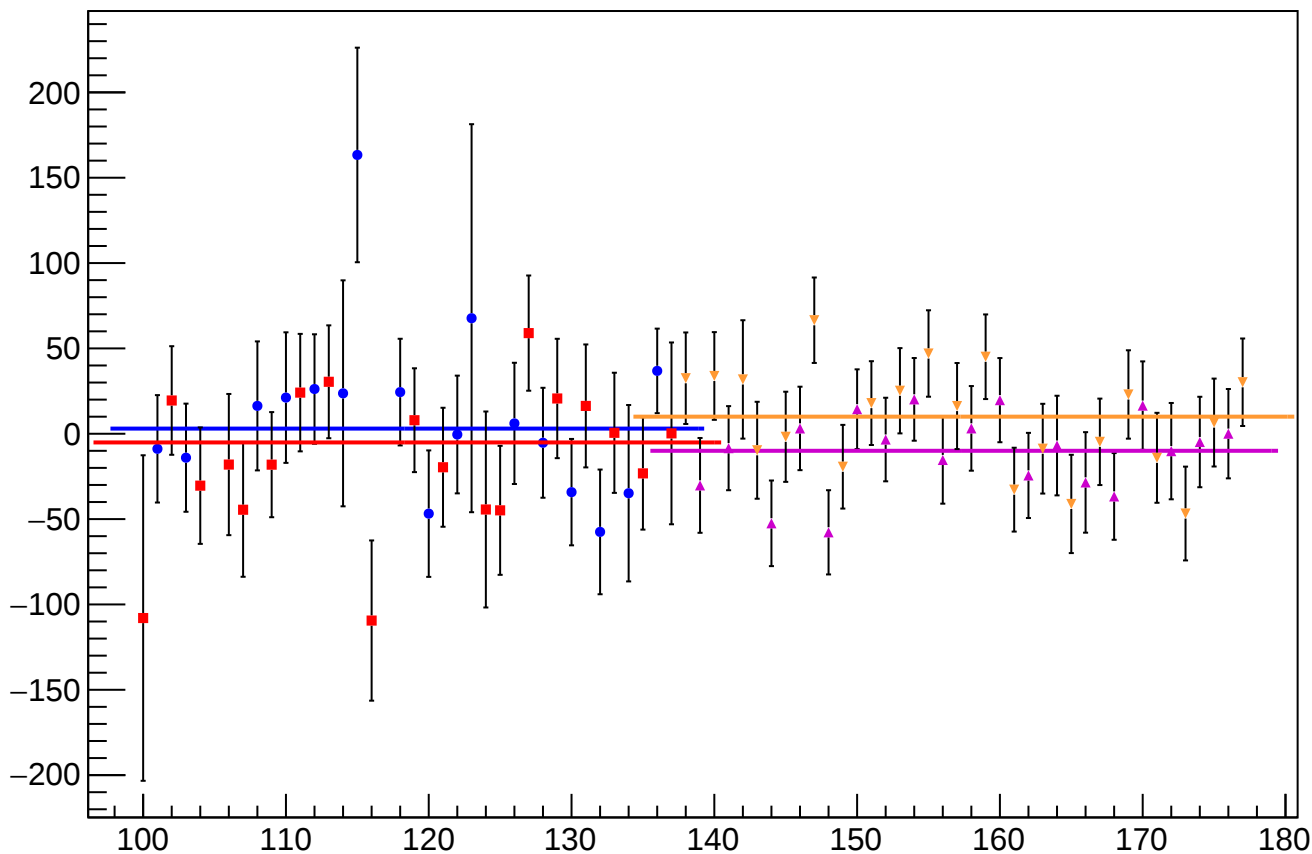
Left In: 182.082 $\pm$ 0.035 χ^2 /NDF:1539757.8/18

+ sign 206.289 $\pm$ 0.032 χ^2 /NDF: 2306003.3/37

All: 191.665 $\pm$ 0.021 χ^2 /NDF: 5749259.8/75

- sign 179.719 $\pm$ 0.029 χ^2 /NDF: 3064134.3/37

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.022 ± 8.751 χ^2/NDF : 17.2/16

Left Out: 10.016 ± 5.693 χ^2/NDF : 26.9/20

Right Out: -5.092 ± 8.477 χ^2/NDF : 17.2/18

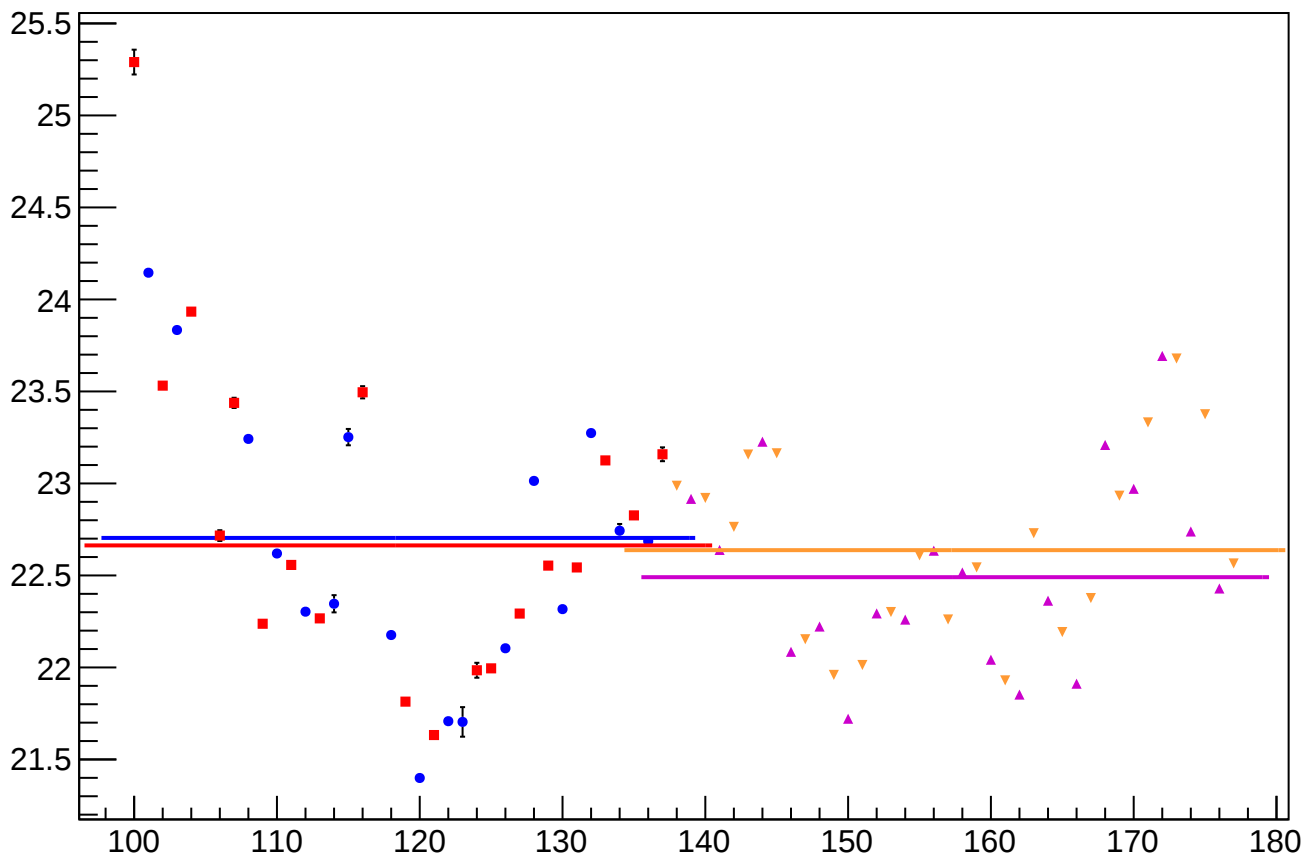
Left In: -9.987 ± 5.876 χ^2/NDF : 15.0/18

+ sign 7.936 ± 4.772 χ^2/NDF : 44.5/37

All: -0.134 ± 3.394 χ^2/NDF : 82.7/75

- sign -8.398 ± 4.829 χ^2/NDF : 32.4/37

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: 22.637 $\pm$ 0.004 χ^2 /NDF:15045.0/20

Right Out: 22.663 $\pm$ 0.006 χ^2 /NDF: 12943.4/18

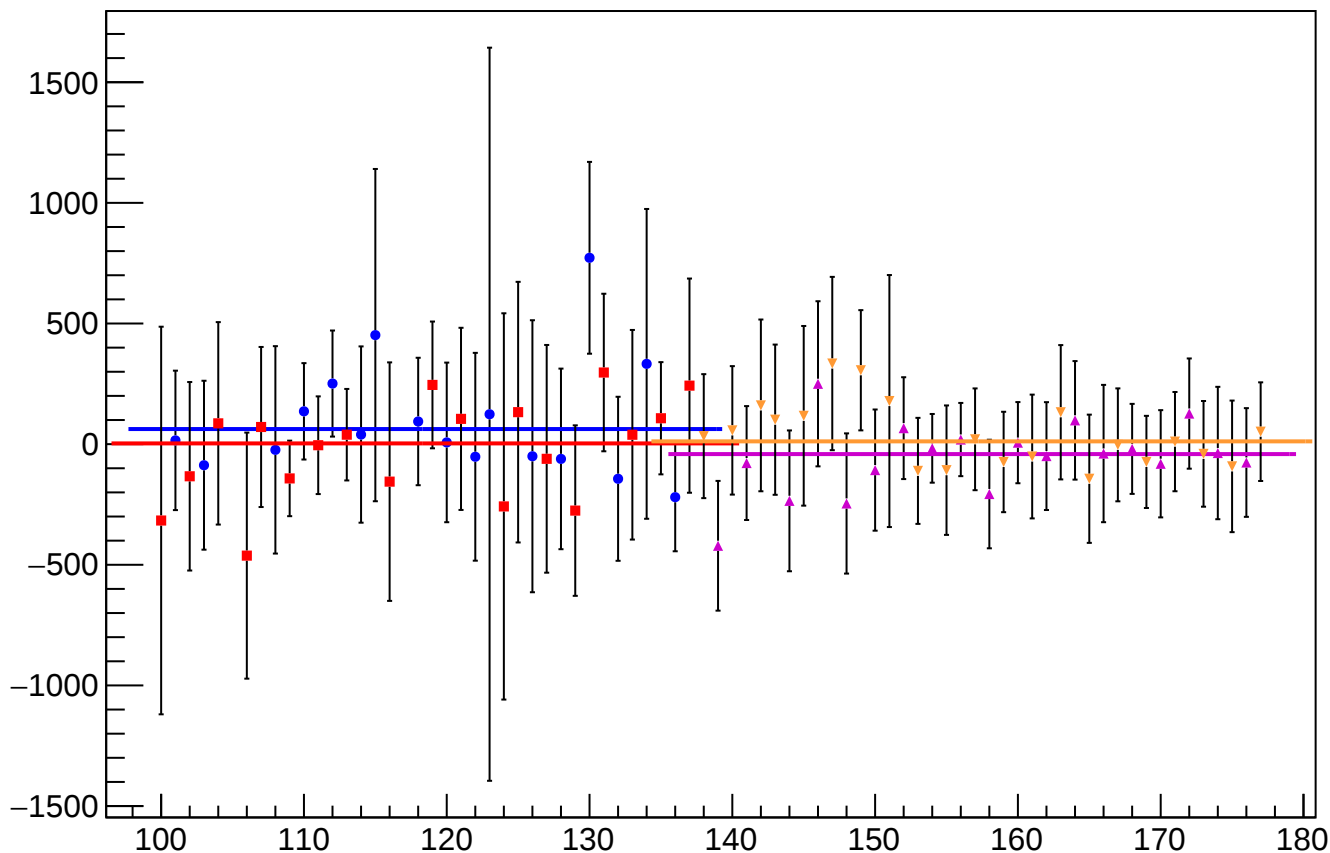
Left In: 22.491 $\pm$ 0.004 χ^2 /NDF:14485.1/18

+ sign 22.657 $\pm$ 0.003 χ^2 /NDF: 29231.9/37

All: 22.603 $\pm$ 0.002 χ^2 /NDF: 57751.4/75

- sign 22.547 $\pm$ 0.003 χ^2 /NDF: 27988.6/37

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573 $\pm$ 79.605 χ^2 /NDF: 7.0/16

Left Out: 11.514 $\pm$ 54.864 χ^2 /NDF: 4.4/20

Right Out: 3.038 $\pm$ 70.518 χ^2 /NDF: 5.2/18

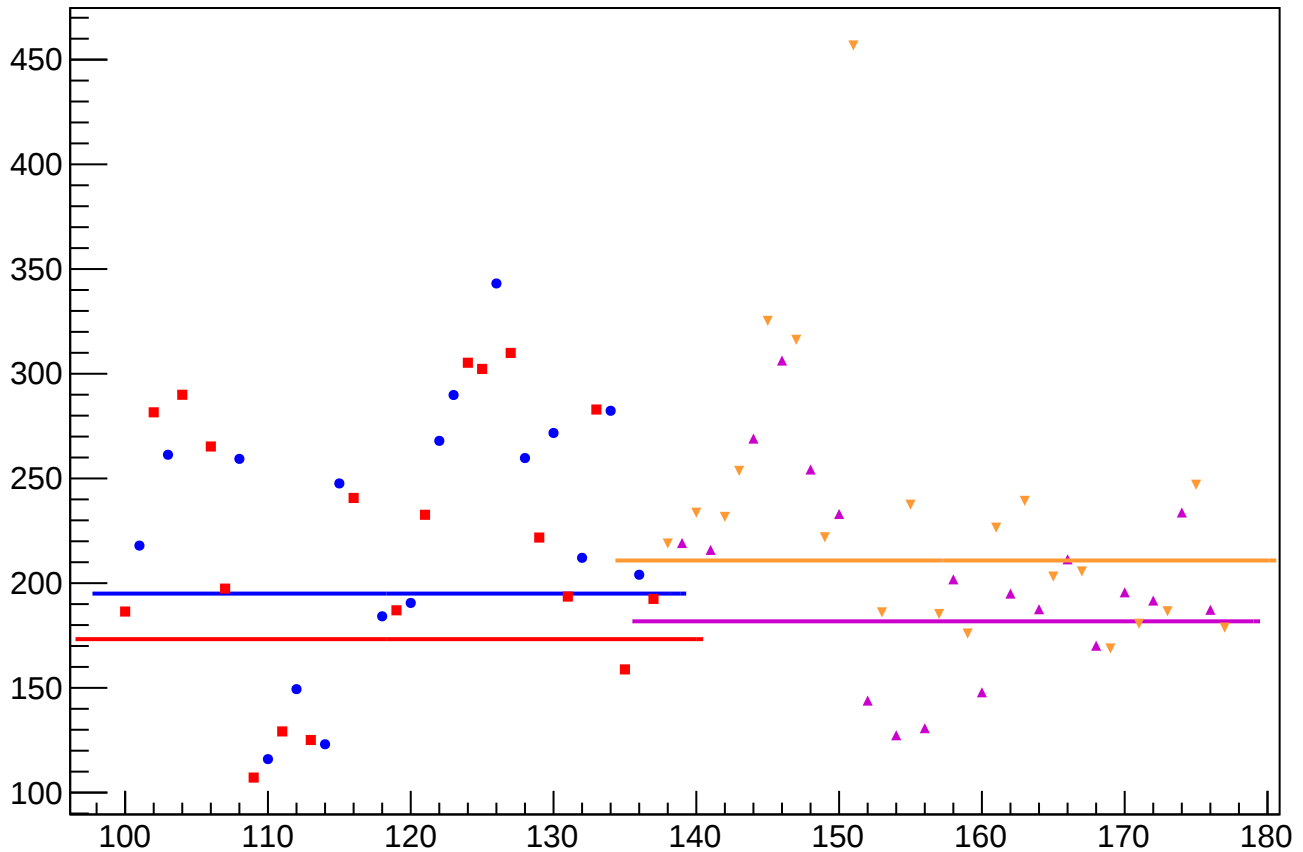
Left In: -41.208 $\pm$ 49.989 χ^2 /NDF: 5.8/18

+ sign 27.957 $\pm$ 45.174 χ^2 /NDF: 11.7/37

All: -1.998 $\pm$ 30.271 χ^2 /NDF: 23.7/75

- sign -26.410 $\pm$ 40.782 χ^2 /NDF: 11.2/37

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: 210.829 $\pm$ 0.039 χ^2 /NDF:1280664.6/20

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

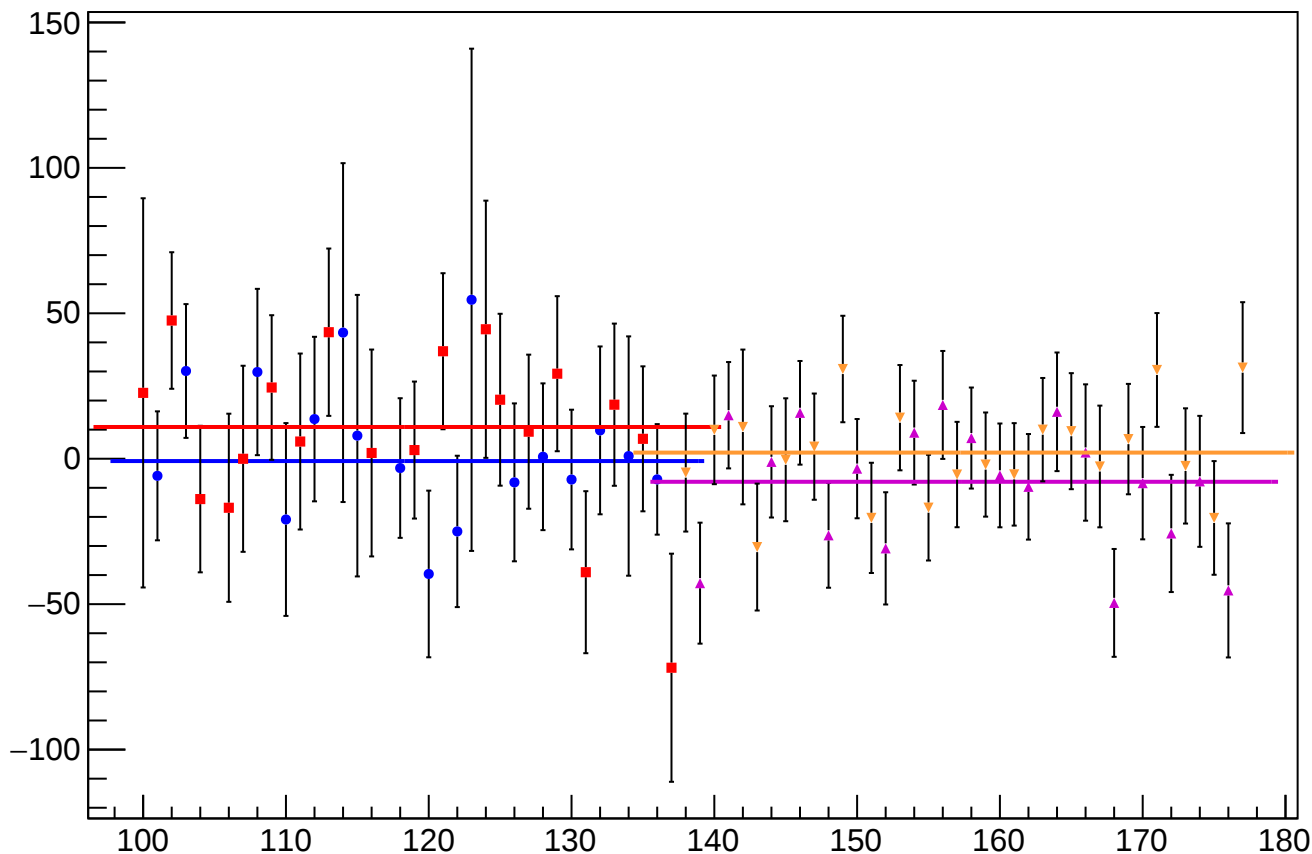
Left In: 181.778 $\pm$ 0.035 χ^2 /NDF:1533936.8/18

+ sign 205.738 $\pm$ 0.032 χ^2 /NDF: 2338412.3/37

All: 190.968 $\pm$ 0.021 χ^2 /NDF: 5858045.1/75

- sign 178.930 $\pm$ 0.029 χ^2 /NDF: 3131555.9/37

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: 2.108 ± 4.234 χ^2/NDF : 14.1/20

Right Out: 10.912 ± 6.626 χ^2/NDF : 15.9/18

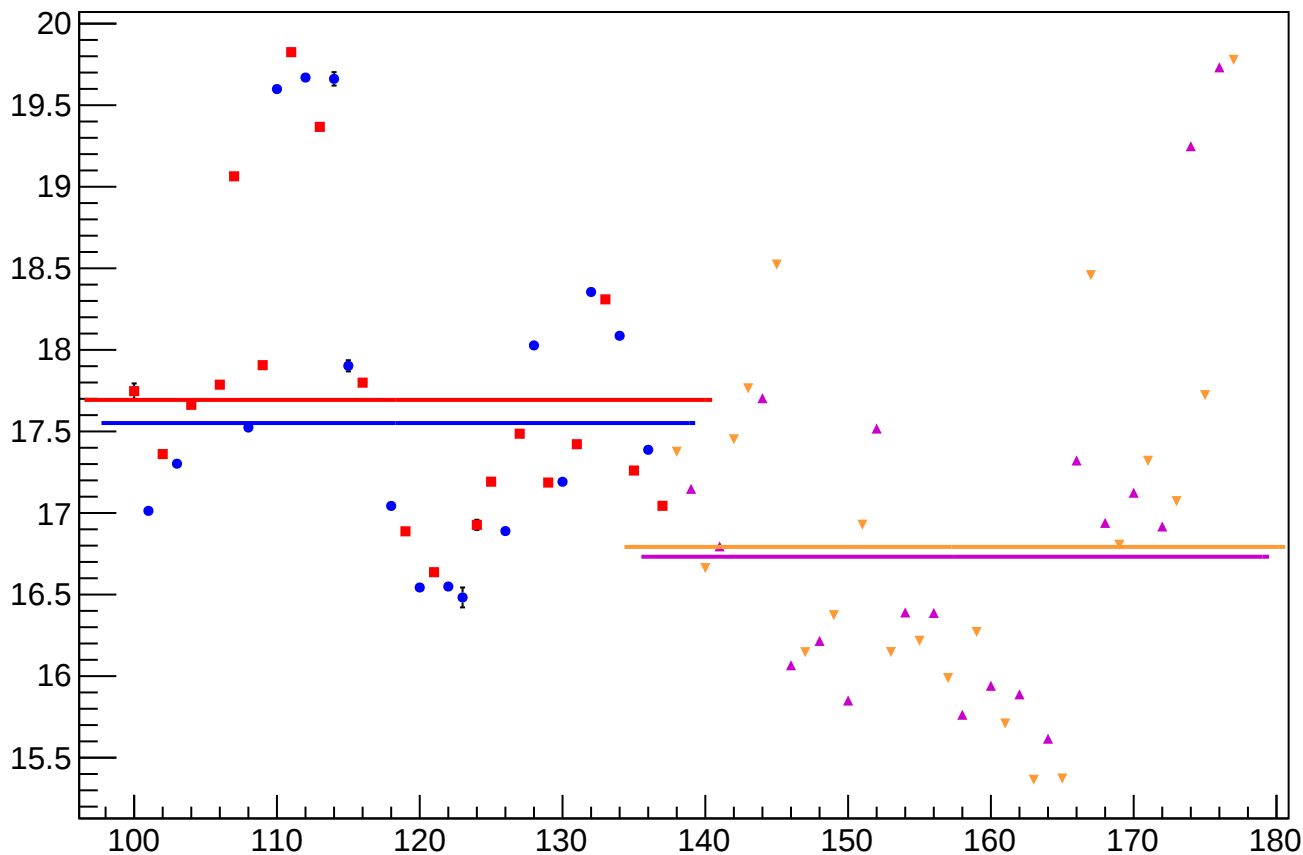
Left In: -7.928 ± 4.383 χ^2/NDF : 22.5/18

+ sign 1.290 ± 3.590 χ^2/NDF : 22.0/37

All: -0.420 ± 2.561 χ^2/NDF : 66.5/75

- sign -2.194 ± 3.656 χ^2/NDF : 44.1/37

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 ± 0.005 χ^2/NDF : 34027.1/16

Left Out: 16.792 ± 0.003 χ^2/NDF : 119083.3/20

Right Out: 17.693 ± 0.005 χ^2/NDF : 30742.0/18

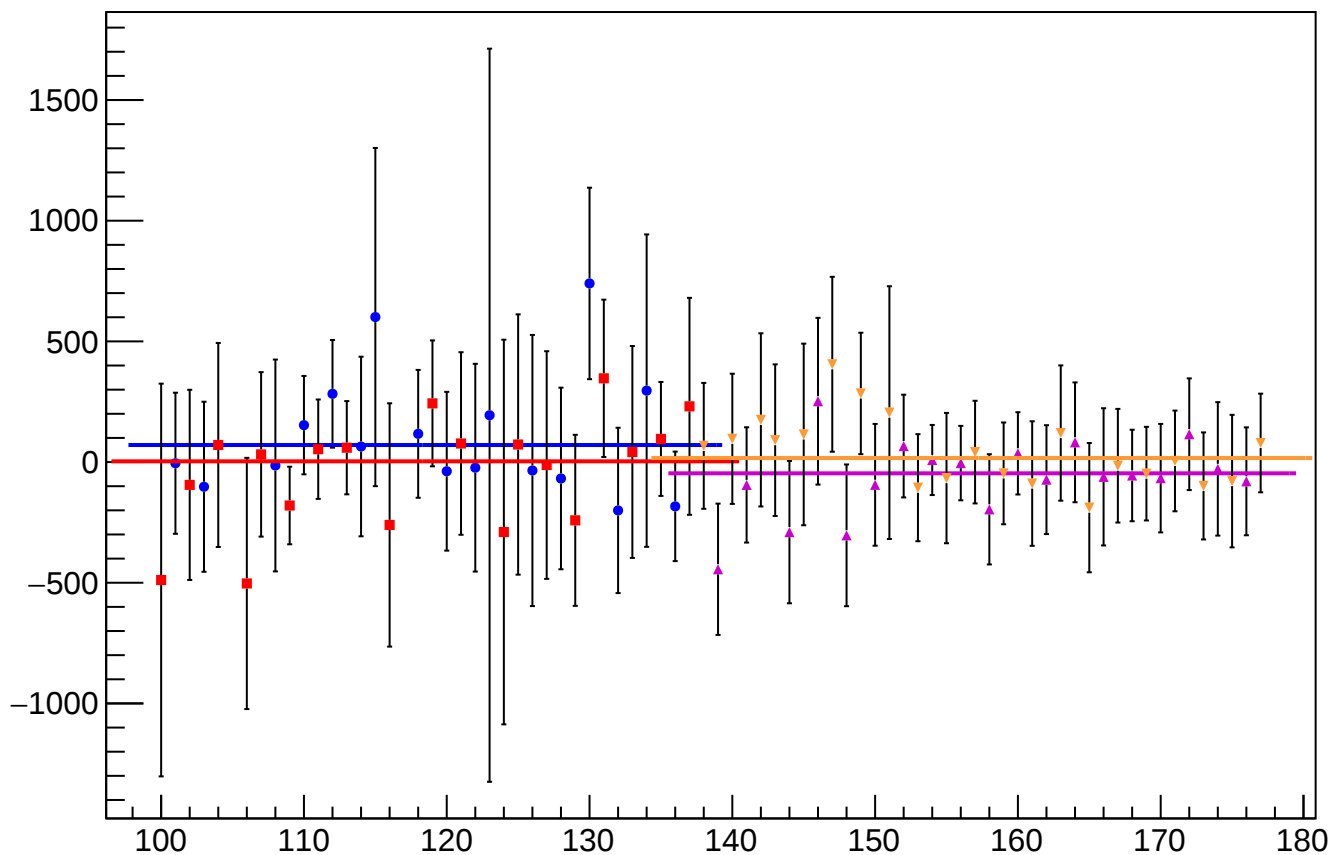
Left In: 16.732 ± 0.003 χ^2/NDF : 102330.1/18

+ sign 17.006 ± 0.003 χ^2/NDF : 171201.0/37

All: 17.015 ± 0.002 χ^2/NDF : 333592.4/75

- sign 17.025 ± 0.003 χ^2/NDF : 162364.0/37

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: 16.766 $\pm$ 55.384 χ^2/NDF : 4.9/20

Right Out: 3.063 $\pm$ 71.508 χ^2/NDF : 6.2/18

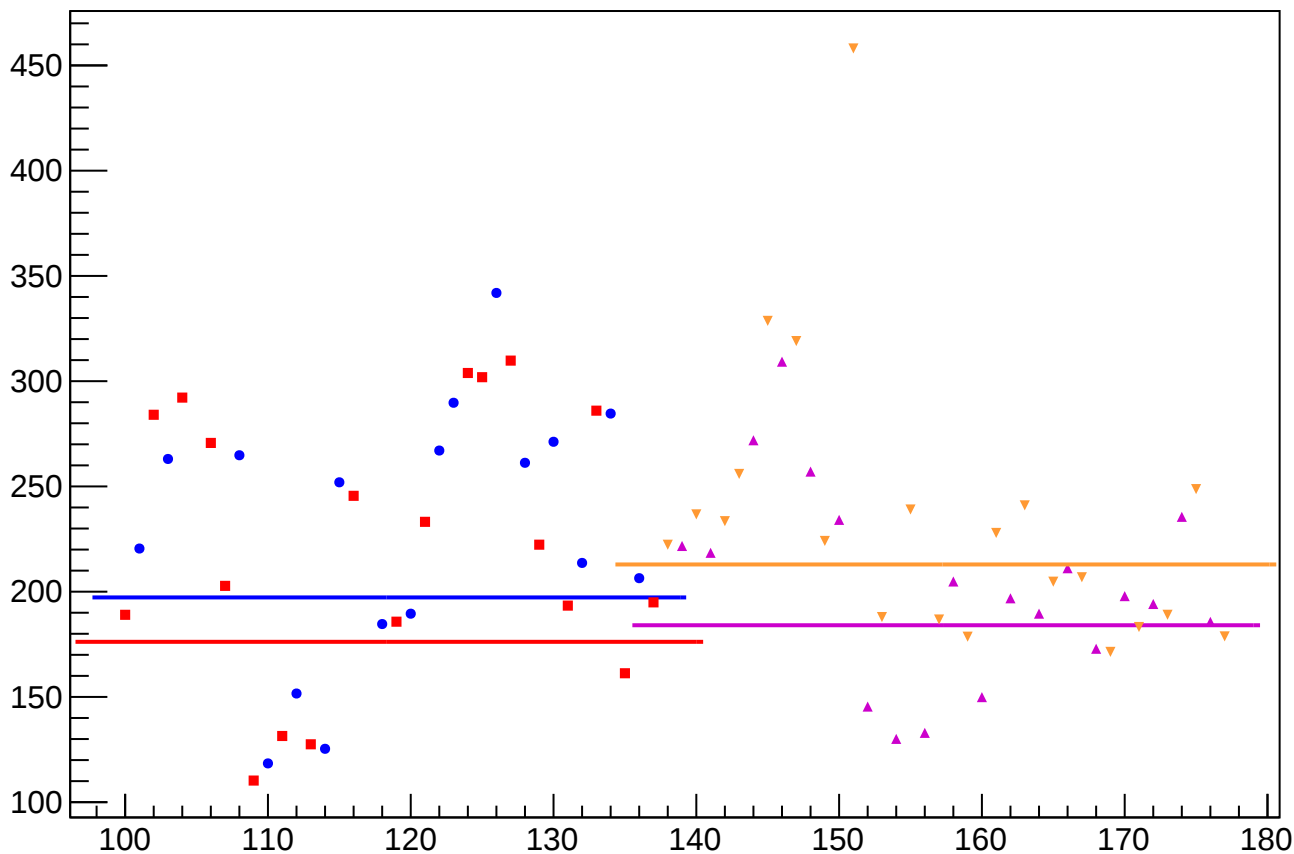
Left In: -46.661 $\pm$ 50.565 χ^2/NDF : 6.4/18

+ sign 34.099 $\pm$ 45.611 χ^2/NDF : 12.4/37

All: -1.180 $\pm$ 30.609 χ^2/NDF : 26.3/75

- sign -30.085 $\pm$ 41.286 χ^2/NDF : 12.9/37

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: 212.930 $\pm$ 0.039 χ^2 /NDF:1268181.5/20

Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

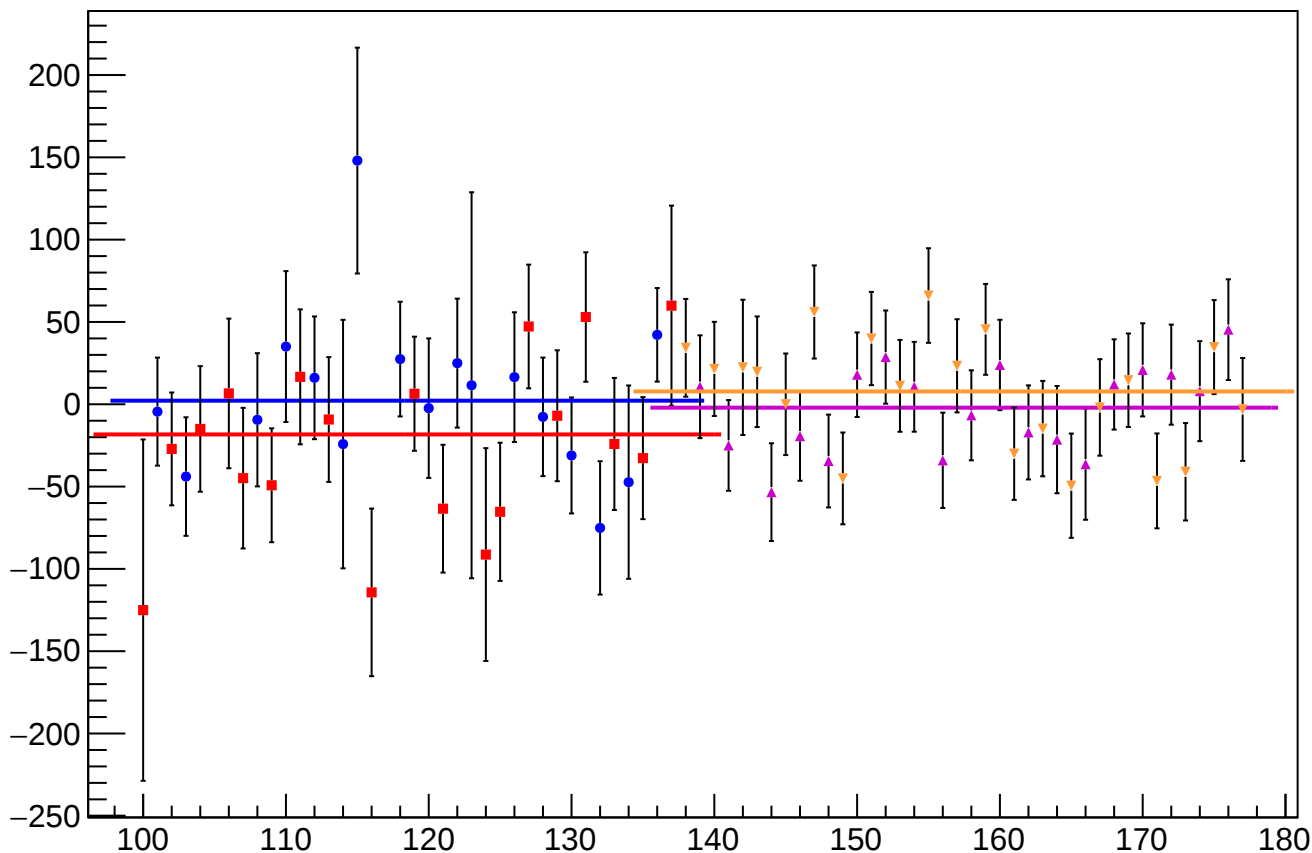
Left In: 184.055 $\pm$ 0.036 χ^2 /NDF:1495092.1/18

+ sign 207.891 $\pm$ 0.032 χ^2 /NDF: 2289170.3/37

All: 193.347 $\pm$ 0.022 χ^2 /NDF: 5690126.6/75

- sign 181.430 $\pm$ 0.029 χ^2 /NDF: 3030969.0/37

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.178 ± 9.825 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 7.792 ± 6.430 $\chi^2/\text{NDF}: 28.6/20$

Right Out: -18.320 ± 9.497 $\chi^2/\text{NDF}: 19.6/18$

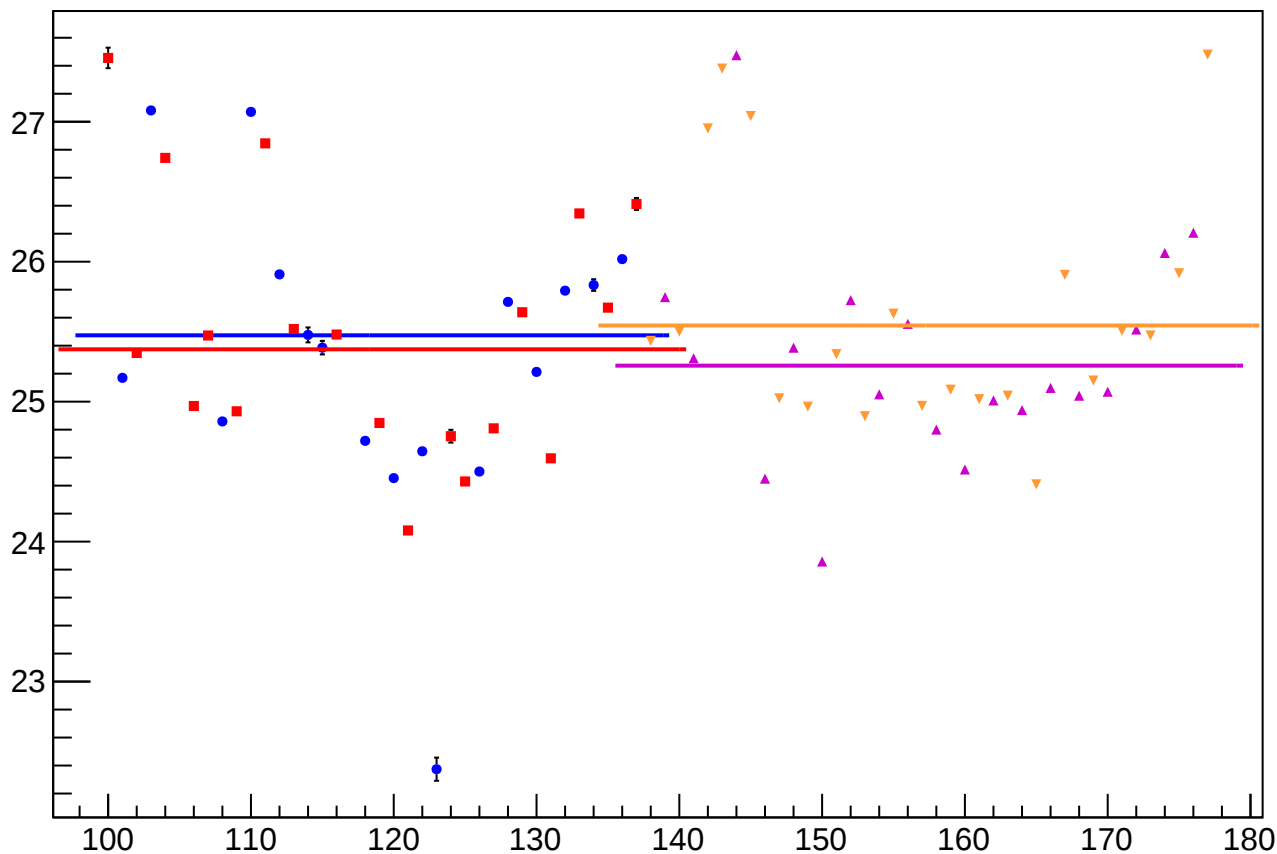
Left In: -2.060 ± 6.605 $\chi^2/\text{NDF}: 15.2/18$

+ sign 6.108 ± 5.380 $\chi^2/\text{NDF}: 44.2/37$

All: -0.574 ± 3.819 $\chi^2/\text{NDF}: 84.1/75$

- sign -7.361 ± 5.423 $\chi^2/\text{NDF}: 36.8/37$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474 ± 0.007 $\chi^2/\text{NDF}: 14061.2/16$

Left Out: 25.544 ± 0.005 $\chi^2/\text{NDF}: 29765.5/20$

Right Out: 25.374 ± 0.007 $\chi^2/\text{NDF}: 13581.2/18$

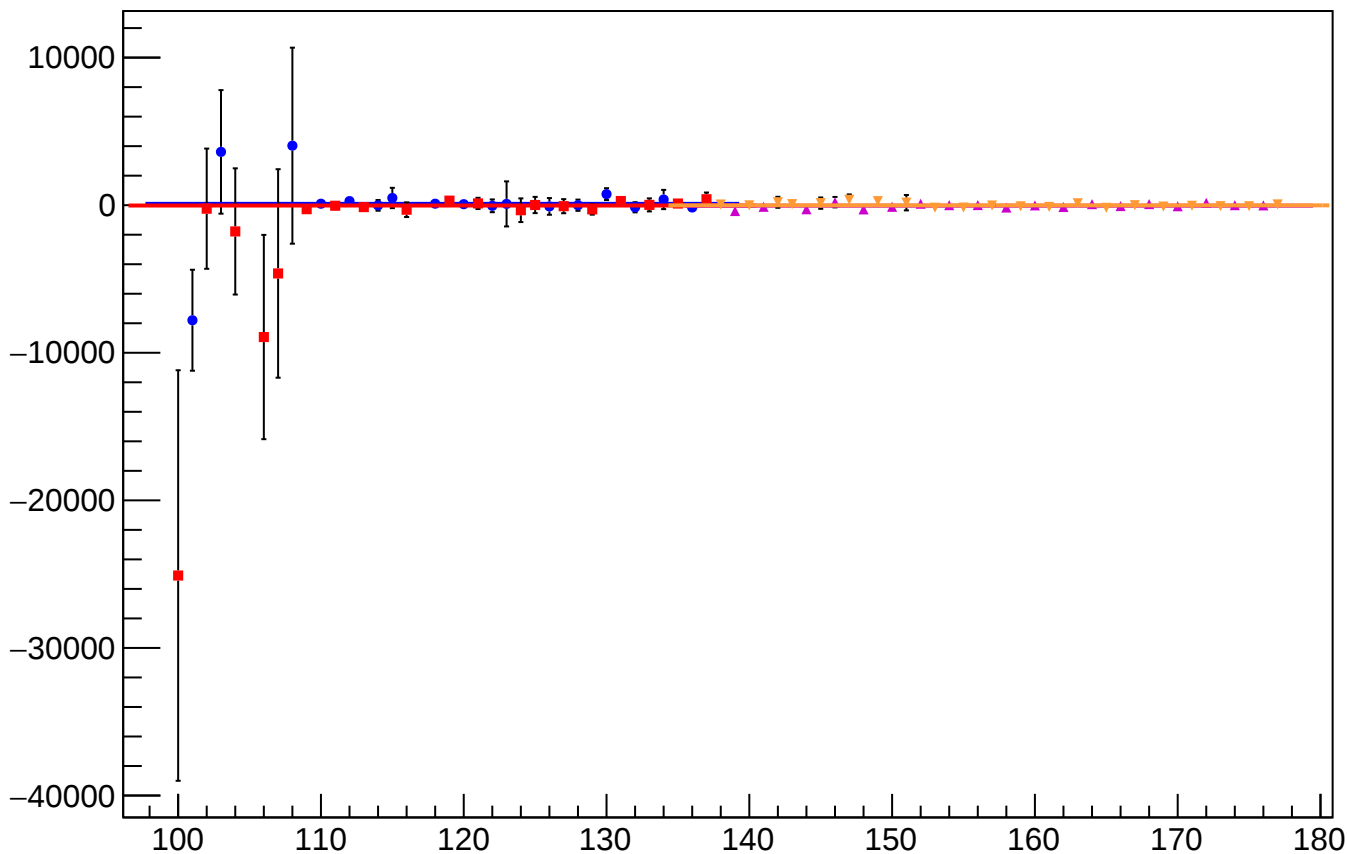
Left In: 25.257 ± 0.005 $\chi^2/\text{NDF}: 26387.2/18$

+ sign 25.523 ± 0.004 $\chi^2/\text{NDF}: 43898.2/37$

All: 25.410 ± 0.003 $\chi^2/\text{NDF}: 85848.9/75$

- sign 25.295 ± 0.004 $\chi^2/\text{NDF}: 40172.1/37$

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: -11.059+/-55.442 χ^2/NDF : 5.1/20

Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

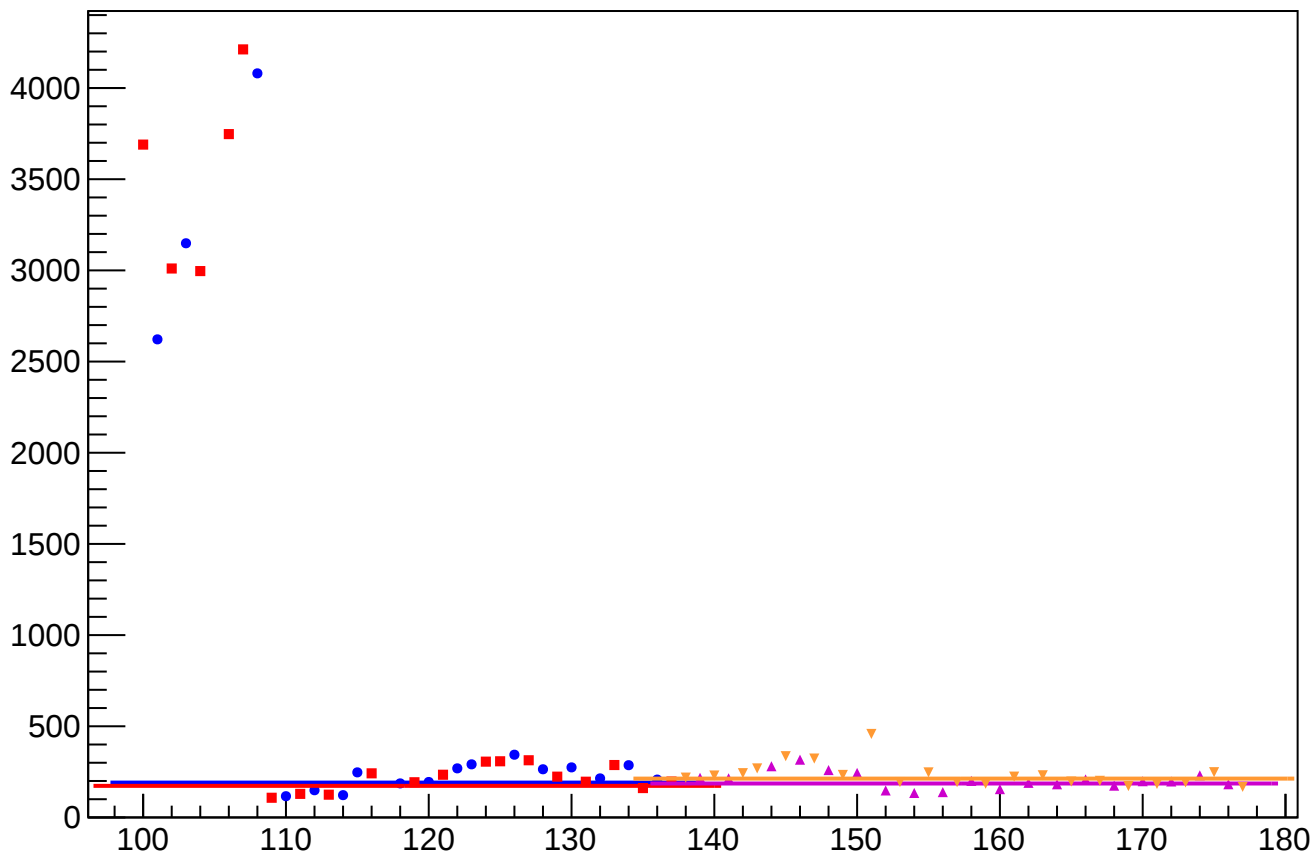
Left In: -34.636+/-51.015 χ^2/NDF : 6.1/18

+ sign 17.721+/-46.852 χ^2/NDF : 18.3/37

All: -8.756+/-31.741 χ^2/NDF : 36.9/75

- sign -31.216+/-43.152 χ^2/NDF : 18.0/37

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.190 $\pm$ 0.062 χ^2 /NDF: 3571747.5/16

Left Out: 213.044 $\pm$ 0.039 χ^2 /NDF: 1323339.8/20

Right Out: 173.269 $\pm$ 0.057 χ^2 /NDF: 4207191.5/18

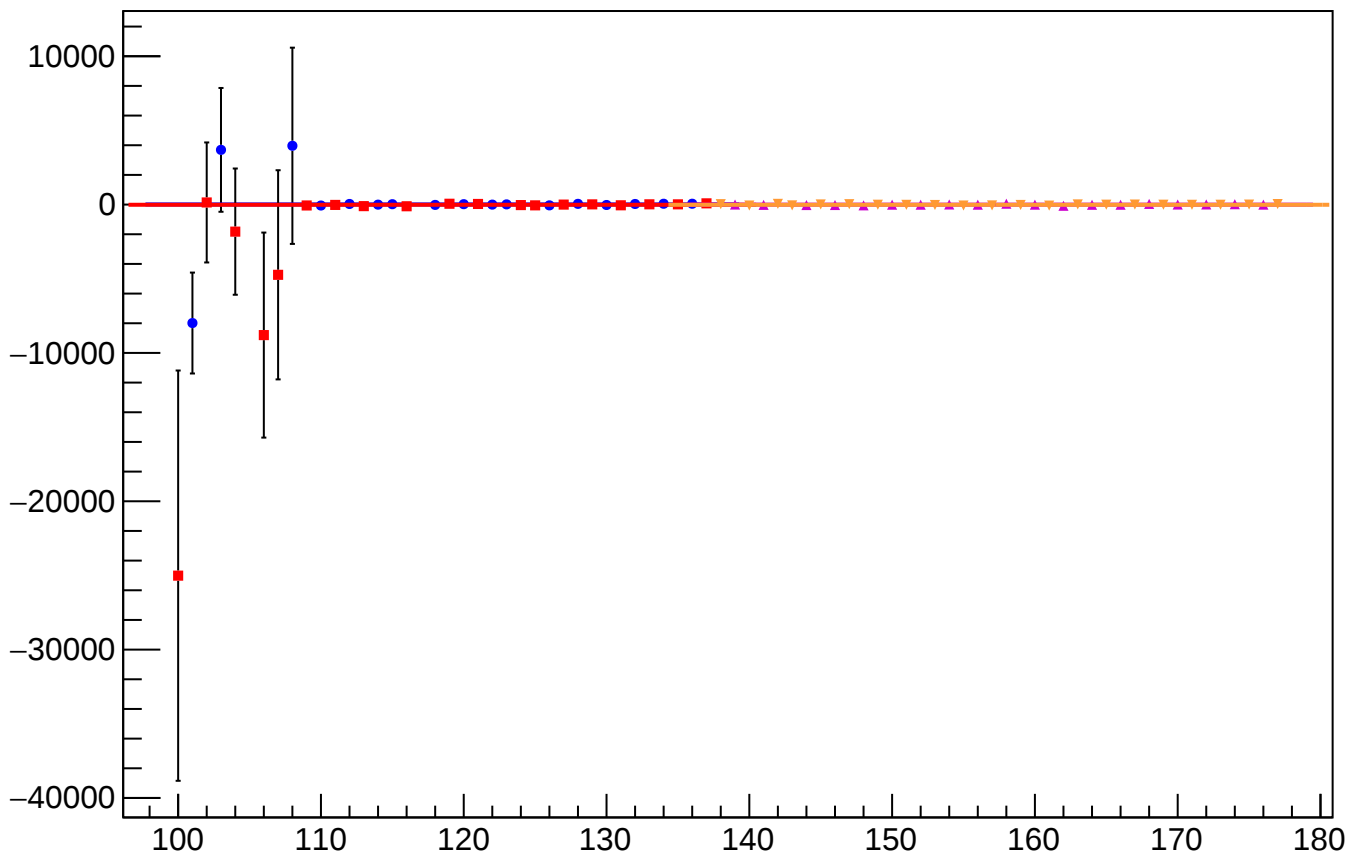
Left In: 186.193 $\pm$ 0.036 χ^2 /NDF: 1372984.4/18

+ sign 206.797 $\pm$ 0.033 χ^2 /NDF: 4983922.1/37

All: 193.660 $\pm$ 0.022 χ^2 /NDF: 10891237.9/75

- sign 182.516 $\pm$ 0.031 χ^2 /NDF: 5616695.7/37

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: -13.738 ± 7.266 χ^2/NDF : 18.9/20

Right Out: -12.947 ± 12.227 χ^2/NDF : 24.4/18

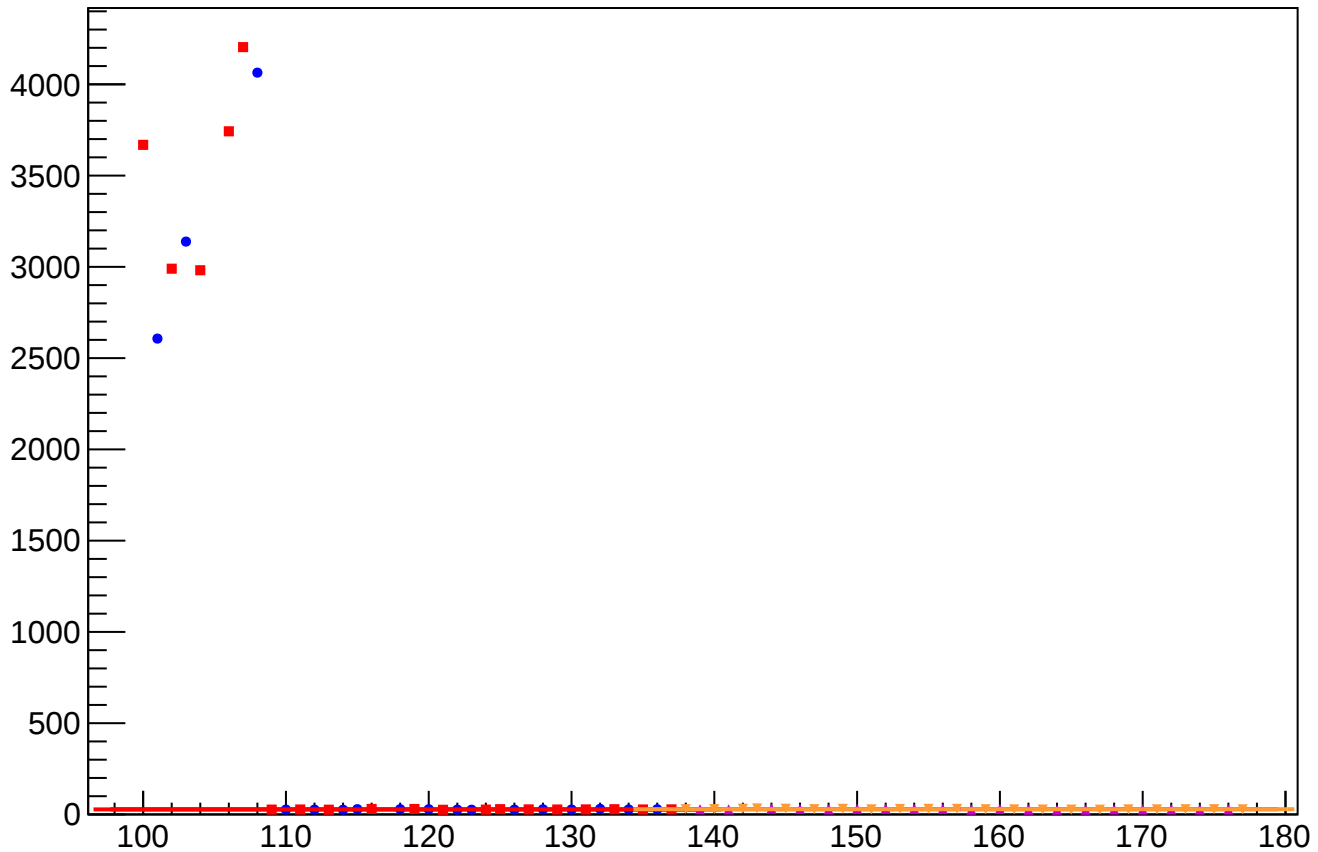
Left In: -4.697 ± 7.518 χ^2/NDF : 18.7/18

+ sign -7.410 ± 6.241 χ^2/NDF : 40.0/37

All: -7.191 ± 4.470 χ^2/NDF : 83.4/75

- sign -6.960 ± 6.404 χ^2/NDF : 43.4/37

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: 28.815 $\pm$ 0.005 χ^2 /NDF: 98439.0/20

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

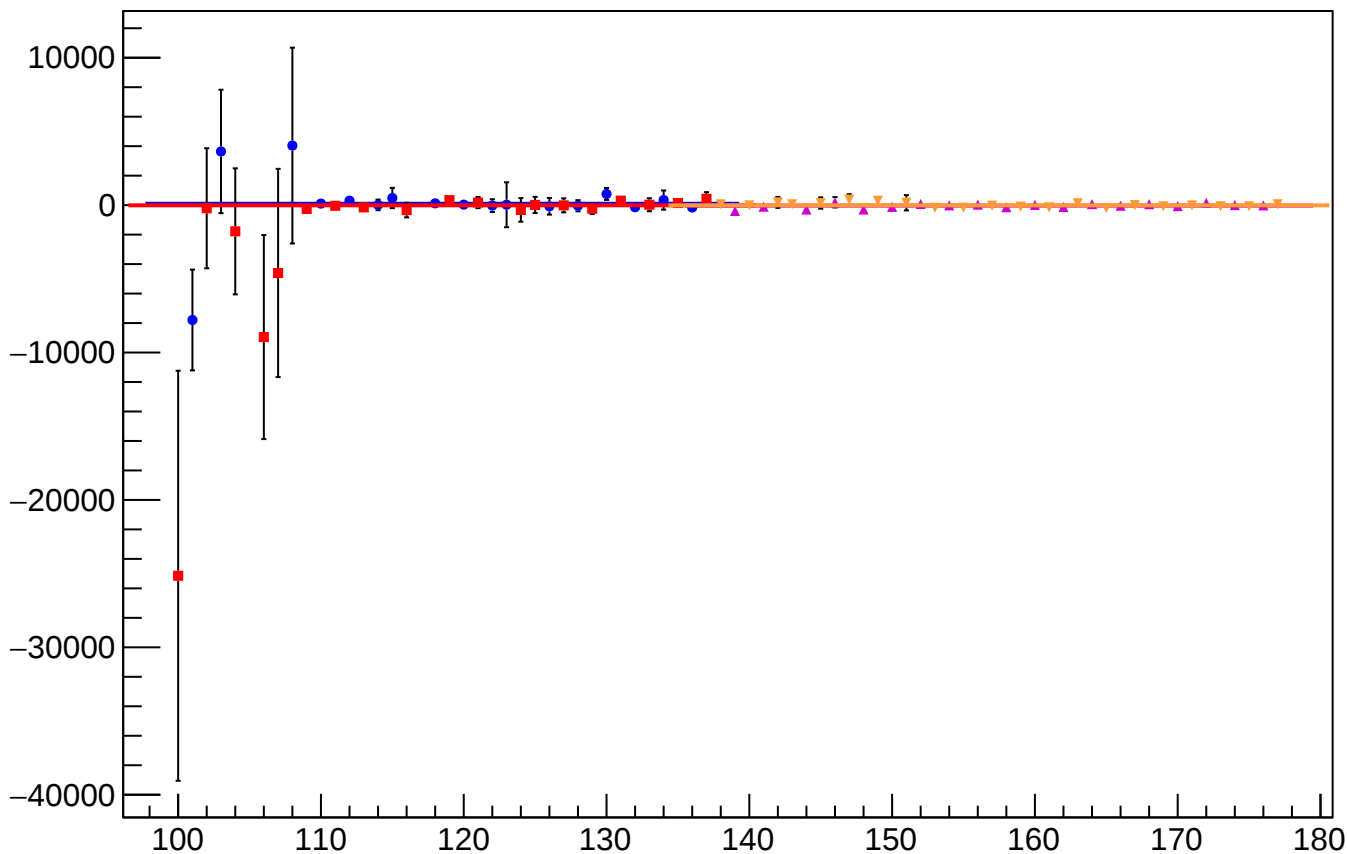
Left In: 28.678 $\pm$ 0.005 χ^2 /NDF: 116574.2/18

+ sign 28.558 $\pm$ 0.004 χ^2 /NDF: 3134830.9/37

All: 28.485 $\pm$ 0.003 χ^2 /NDF: 6738168.8/75

- sign 28.408 $\pm$ 0.005 χ^2 /NDF: 3602772.1/37

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: -14.520+/-55.316 χ^2/NDF : 5.7/20

Right Out: -12.772+/-80.640 χ^2/NDF : 12.7/18

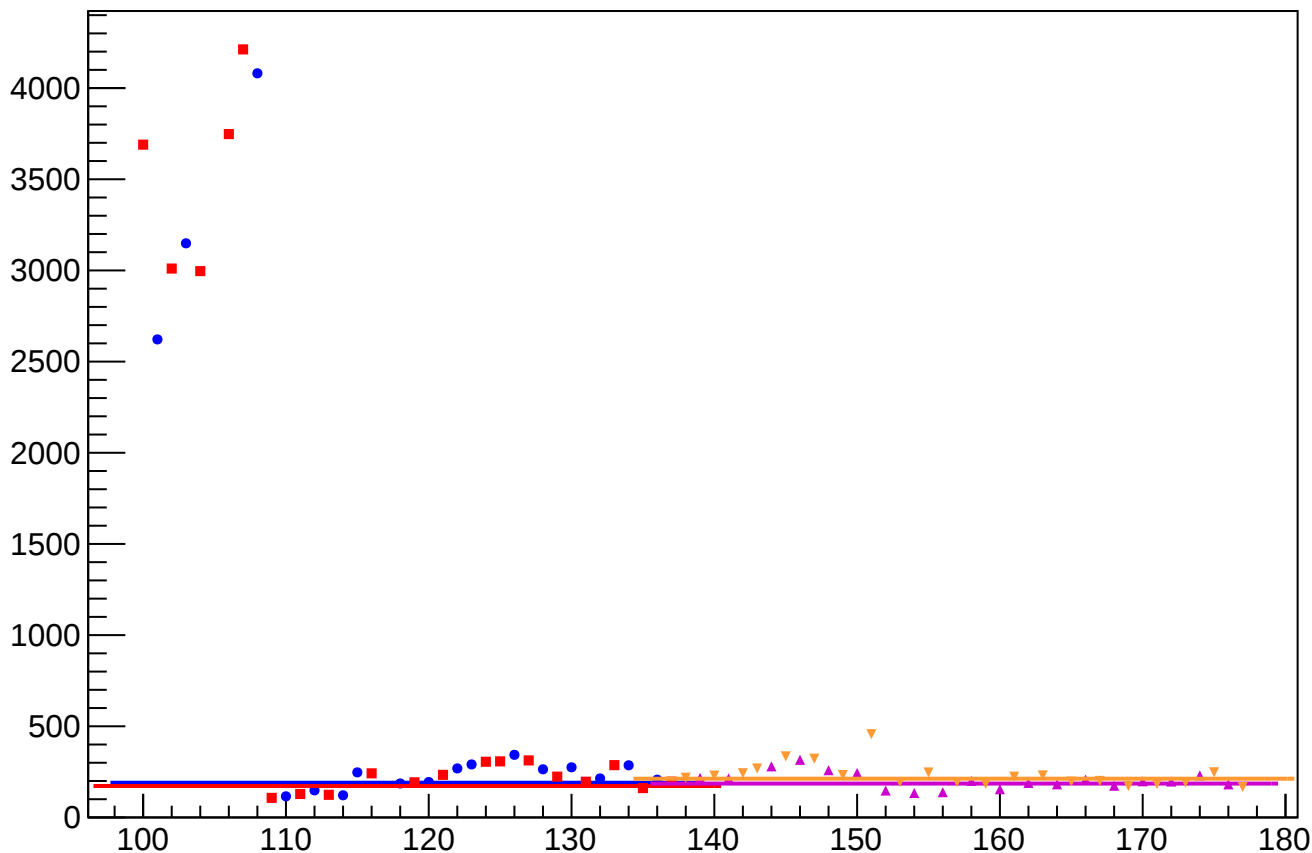
Left In: -33.590+/-50.911 χ^2/NDF : 6.1/18

+ sign 16.206+/-46.735 χ^2/NDF : 19.4/37

All: -7.523+/-31.663 χ^2/NDF : 38.7/75

- sign -27.657+/-43.050 χ^2/NDF : 18.8/37

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: 212.558+/-0.039 χ^2/NDF :1324419.6/20

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

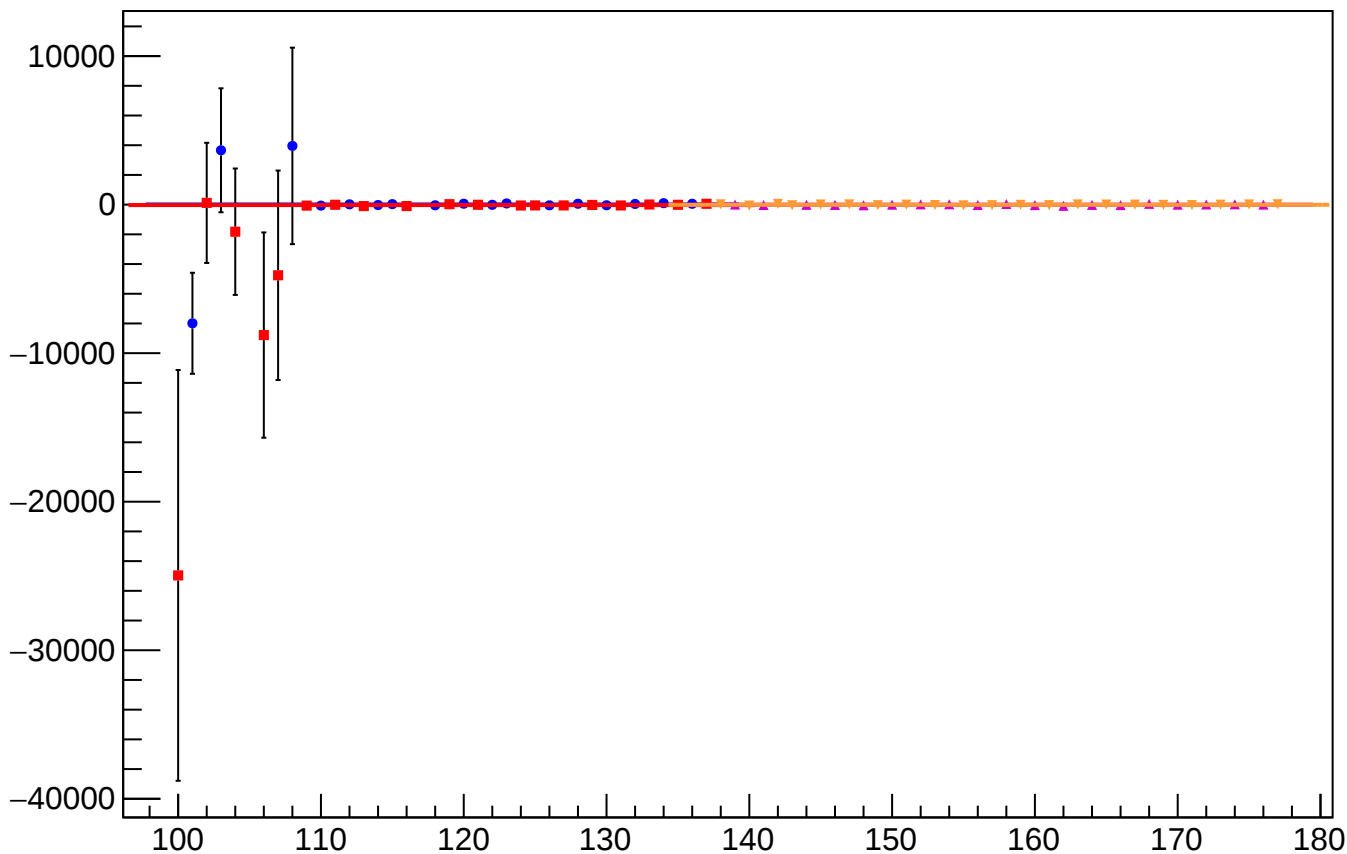
Left In: 185.816+/-0.036 χ^2/NDF :1372821.2/18

+ sign 206.241+/-0.033 χ^2/NDF : 4999130.3/37

All: 193.154+/-0.022 χ^2/NDF : 10918621.1/75

- sign 182.050+/-0.030 χ^2/NDF : 5629607.1/37

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: -10.826 $\pm$ 7.308 χ^2 /NDF:12.9/20

Right Out: -29.627 $\pm$ 12.328 χ^2 /NDF: 16.5/18

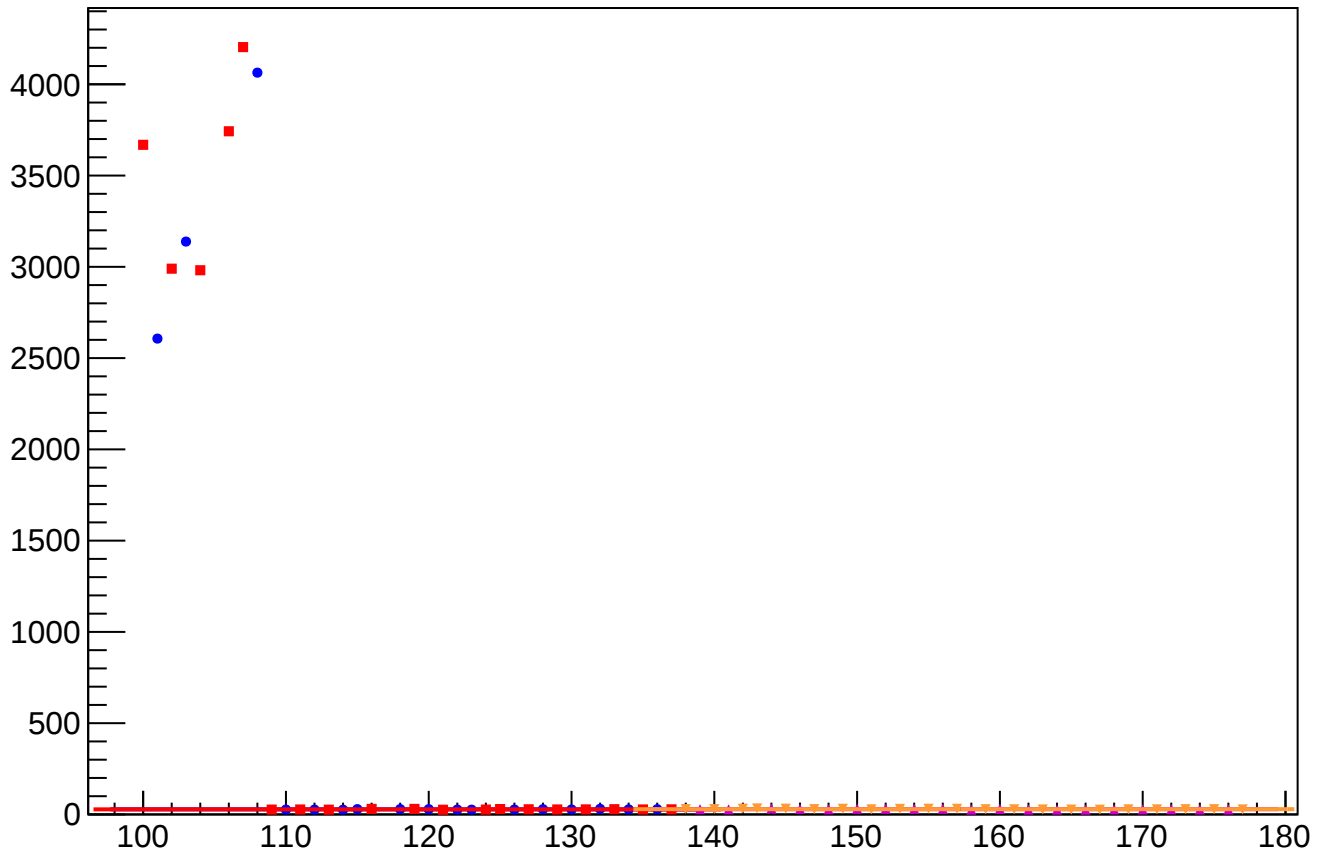
Left In: -3.537 $\pm$ 7.554 χ^2 /NDF:18.5/18

+ sign -5.480 $\pm$ 6.279 χ^2 /NDF: 38.1/37

All: -8.003 $\pm$ 4.496 χ^2 /NDF: 76.8/75

- sign -10.659 $\pm$ 6.441 χ^2 /NDF: 38.3/37

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.023+/-0.009 χ^2/NDF : 3027003.0/16

Left Out: 28.976+/-0.005 χ^2/NDF : 106225.3/20

Right Out: 27.917+/-0.009 χ^2/NDF : 3479610.6/18

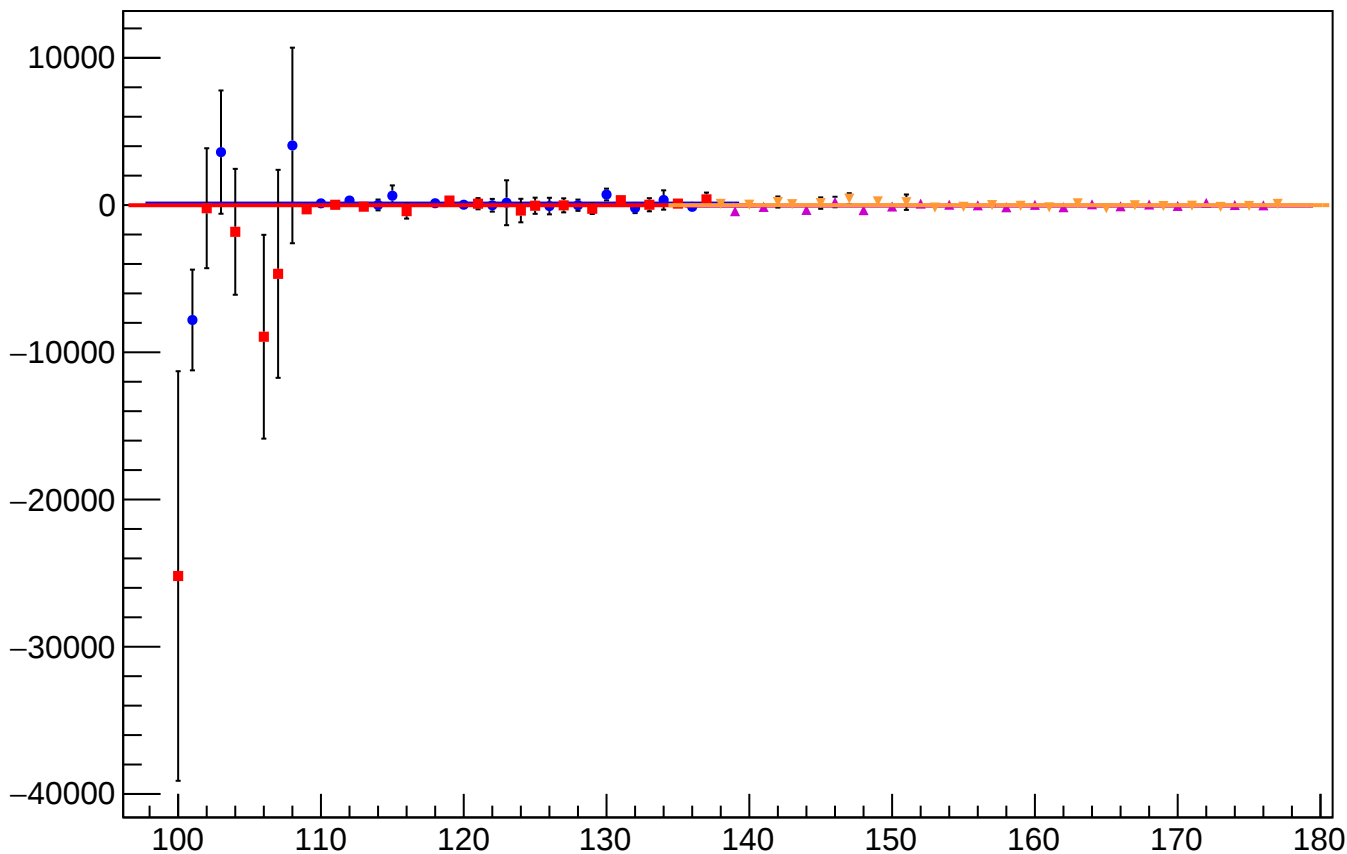
Left In: 28.817+/-0.005 χ^2/NDF : 120222.0/18

+ sign 28.726+/-0.004 χ^2/NDF : 3142129.1/37

All: 28.651+/-0.003 χ^2/NDF : 6750310.0/75

- sign 28.572+/-0.005 χ^2/NDF : 3607588.9/37

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: -5.851 $\pm$ 55.934 χ^2 /NDF: 5.7/20

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

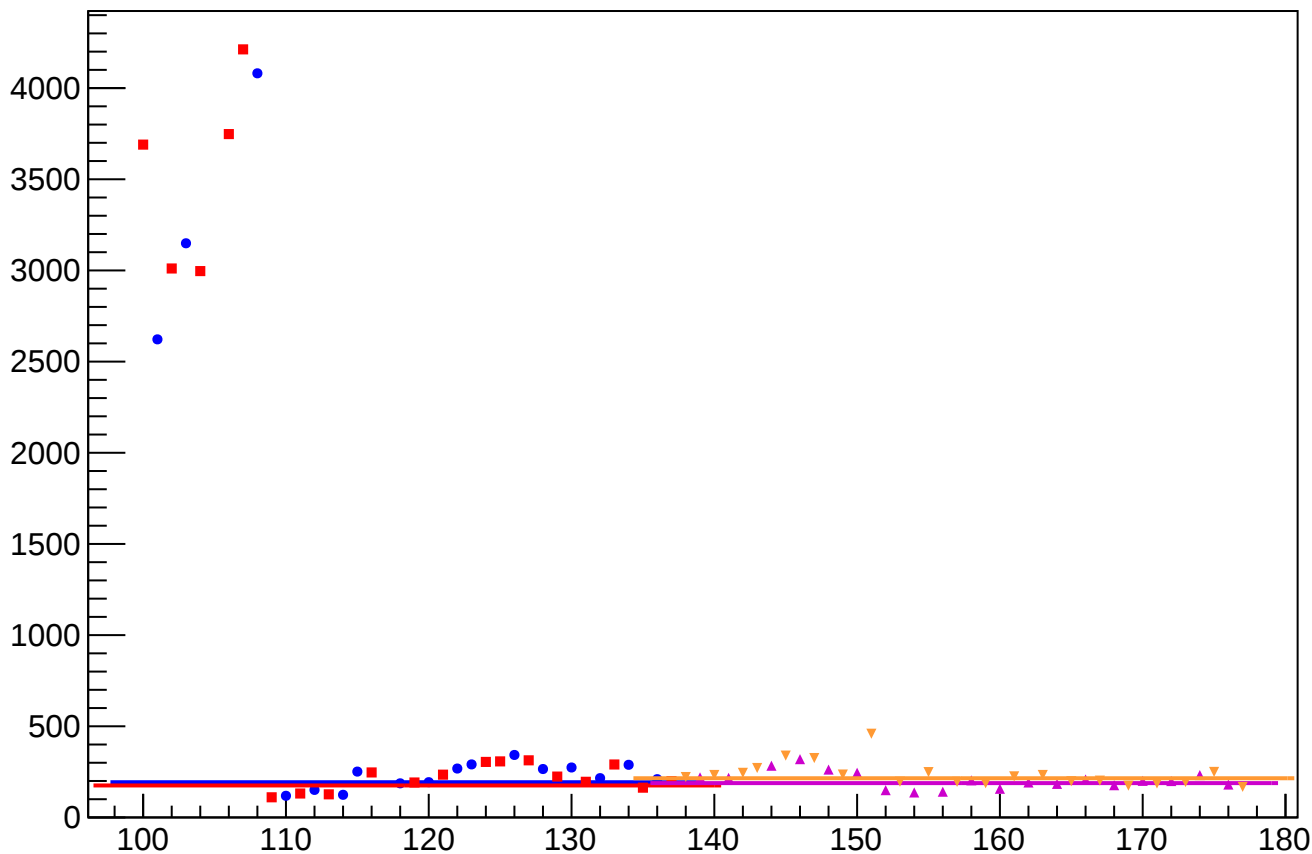
Left In: -40.396 $\pm$ 51.564 χ^2 /NDF: 6.7/18

+ sign 24.923 $\pm$ 47.266 χ^2 /NDF: 19.2/37

All: -5.874 $\pm$ 32.051 χ^2 /NDF: 39.0/75

- sign -32.091 $\pm$ 43.610 χ^2 /NDF: 19.0/37

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: 215.006+/-0.040 χ^2/NDF :1318504.1/20

Right Out: 175.485+/-0.058 χ^2/NDF : 4165391.7/18

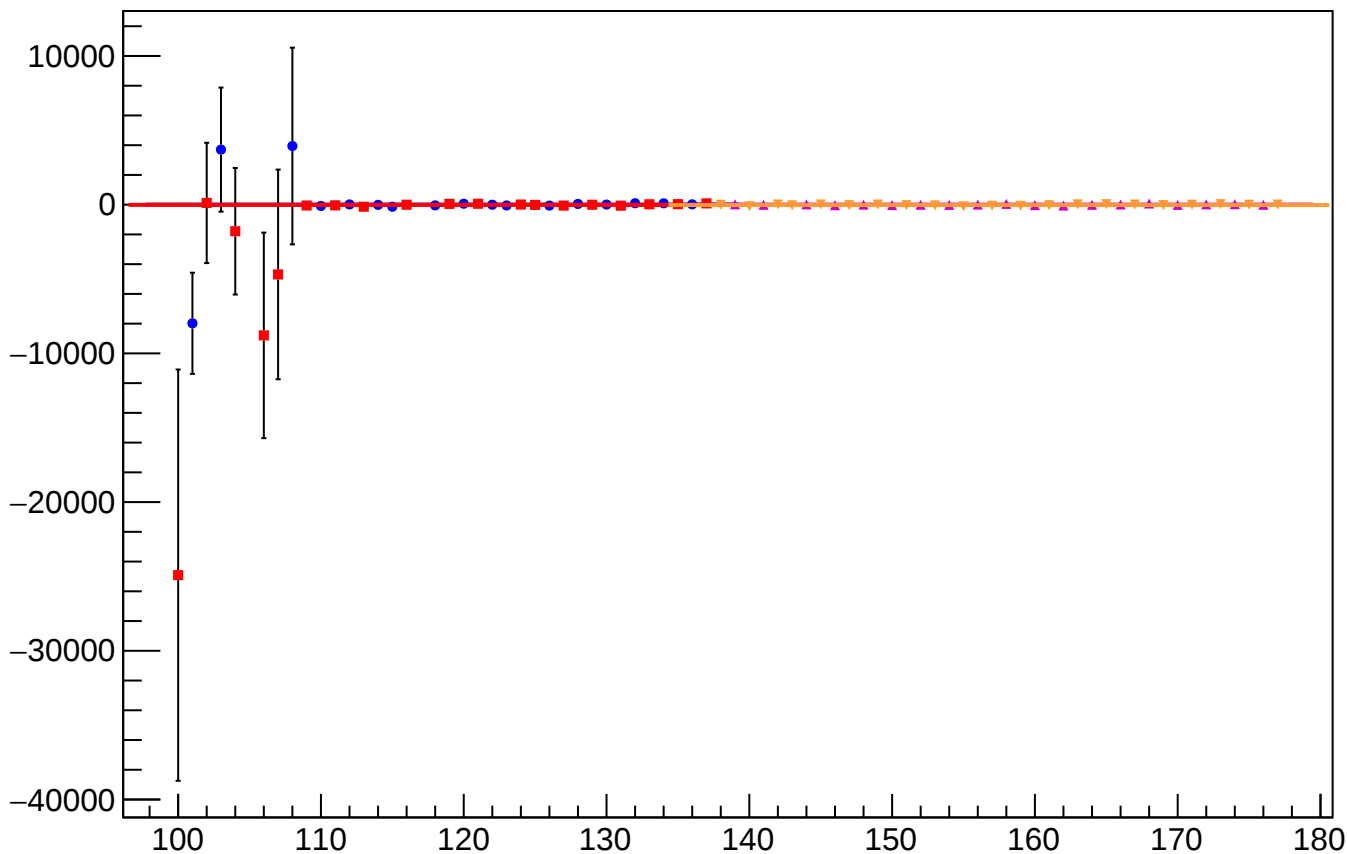
Left In: 188.351+/-0.036 χ^2/NDF :1342539.5/18

+ sign 208.768+/-0.033 χ^2/NDF : 4941626.5/37

All: 195.761+/-0.023 χ^2/NDF : 10765417.6/75

- sign 184.688+/-0.031 χ^2/NDF : 5543382.5/37

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.651 $\pm$ 14.935 χ^2 /NDF: 20.4/16

Left Out: -24.537 $\pm$ 8.737 χ^2 /NDF:22.1/20

Right Out: -12.487 $\pm$ 14.947 χ^2 /NDF: 21.7/18

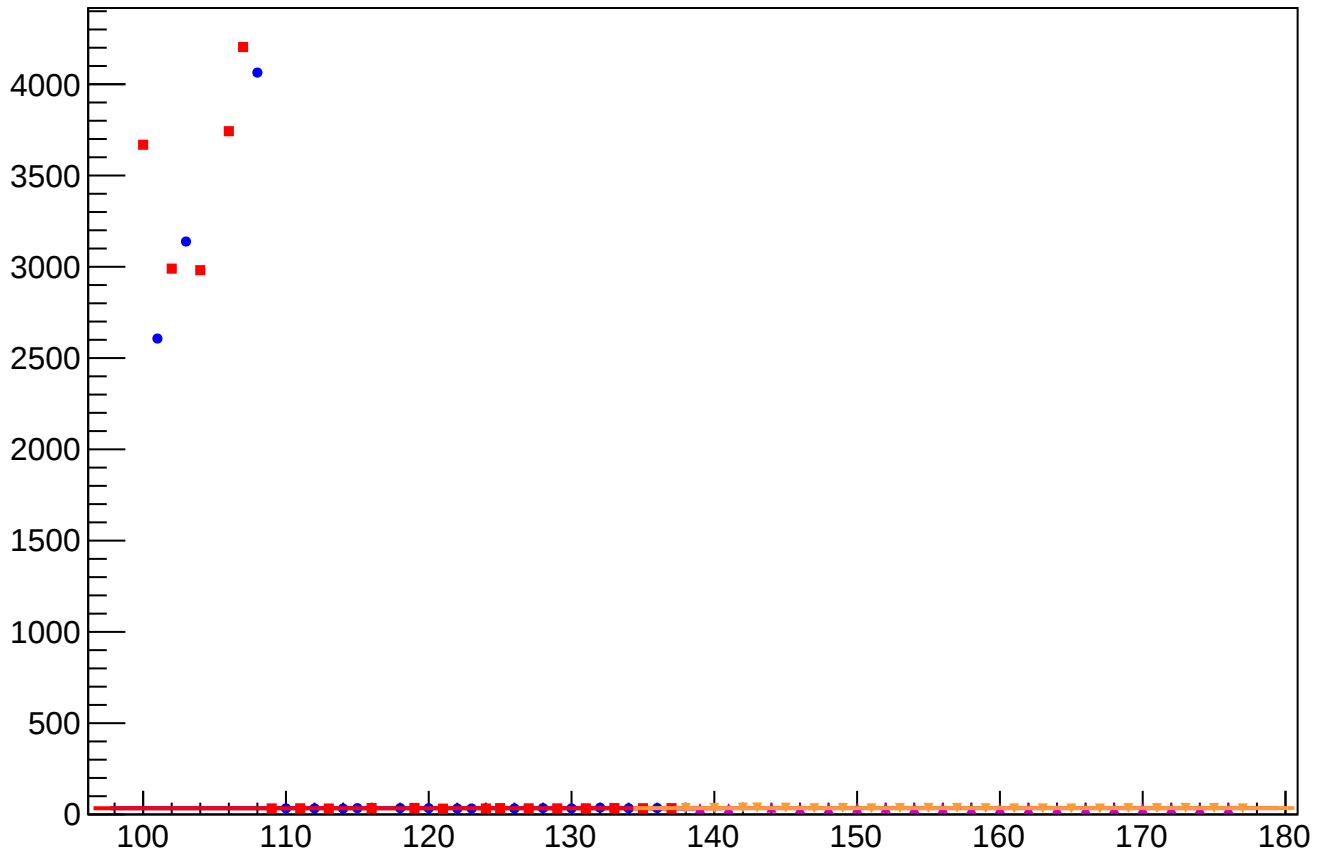
Left In: 4.921 $\pm$ 9.051 χ^2 /NDF:12.8/18

+ sign -17.095 $\pm$ 7.541 χ^2 /NDF: 45.3/37

All: -8.650 $\pm$ 5.402 χ^2 /NDF: 83.4/75

- sign 0.251 $\pm$ 7.742 χ^2 /NDF: 35.5/37

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: 34.697 $\pm$ 0.006 χ^2 /NDF: 49907.3/20

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

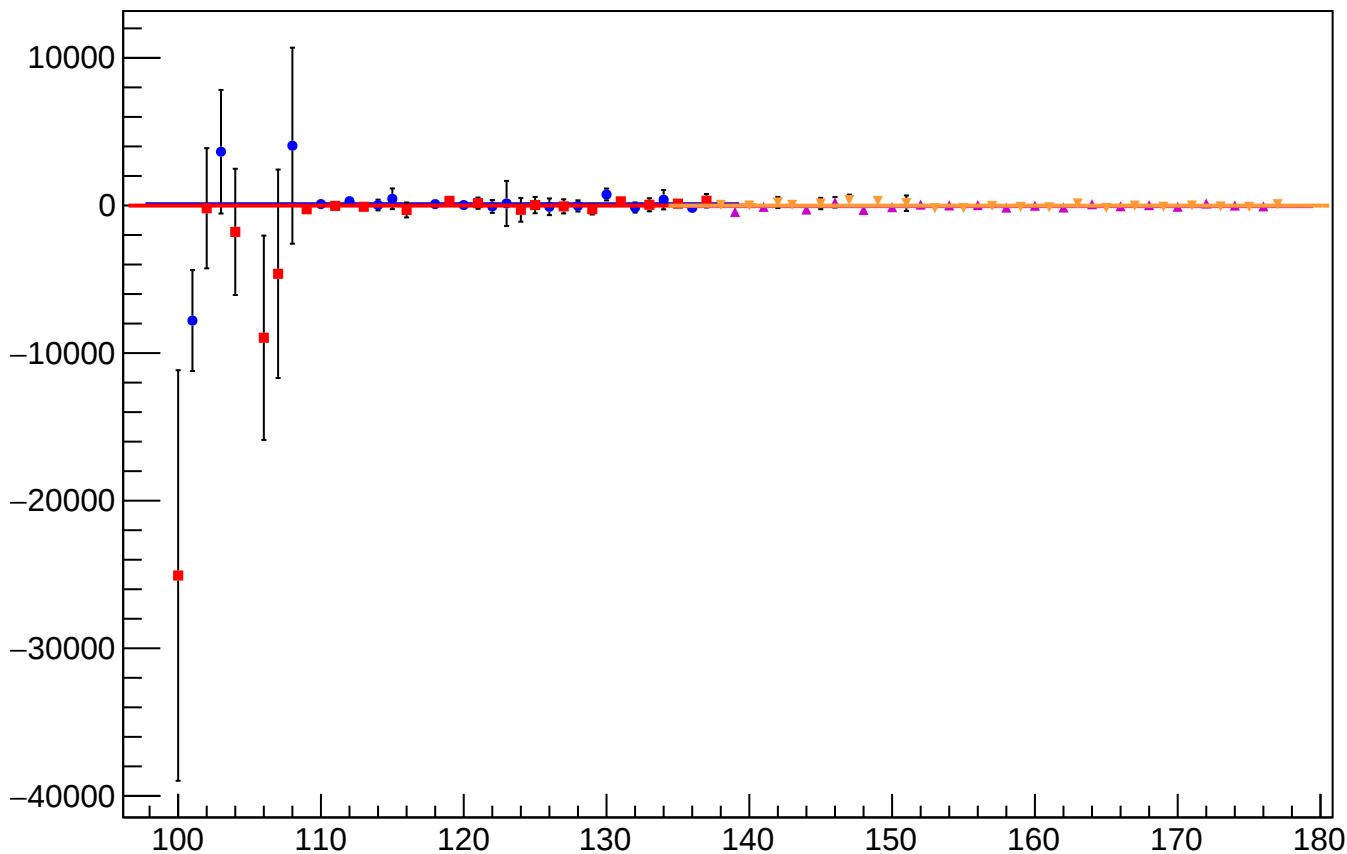
Left In: 34.592 $\pm$ 0.006 χ^2 /NDF: 54079.6/18

+ sign 34.554 $\pm$ 0.005 χ^2 /NDF: 3058245.9/37

All: 34.484 $\pm$ 0.004 χ^2 /NDF: 6567593.4/75

- sign 34.409 $\pm$ 0.005 χ^2 /NDF: 3508989.3/37

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.041+/-87.947 χ^2/NDF : 12.4/16

Left Out: -8.889+/-55.875 χ^2/NDF : 5.7/20

Right Out: -7.296+/-81.208 χ^2/NDF : 11.1/18

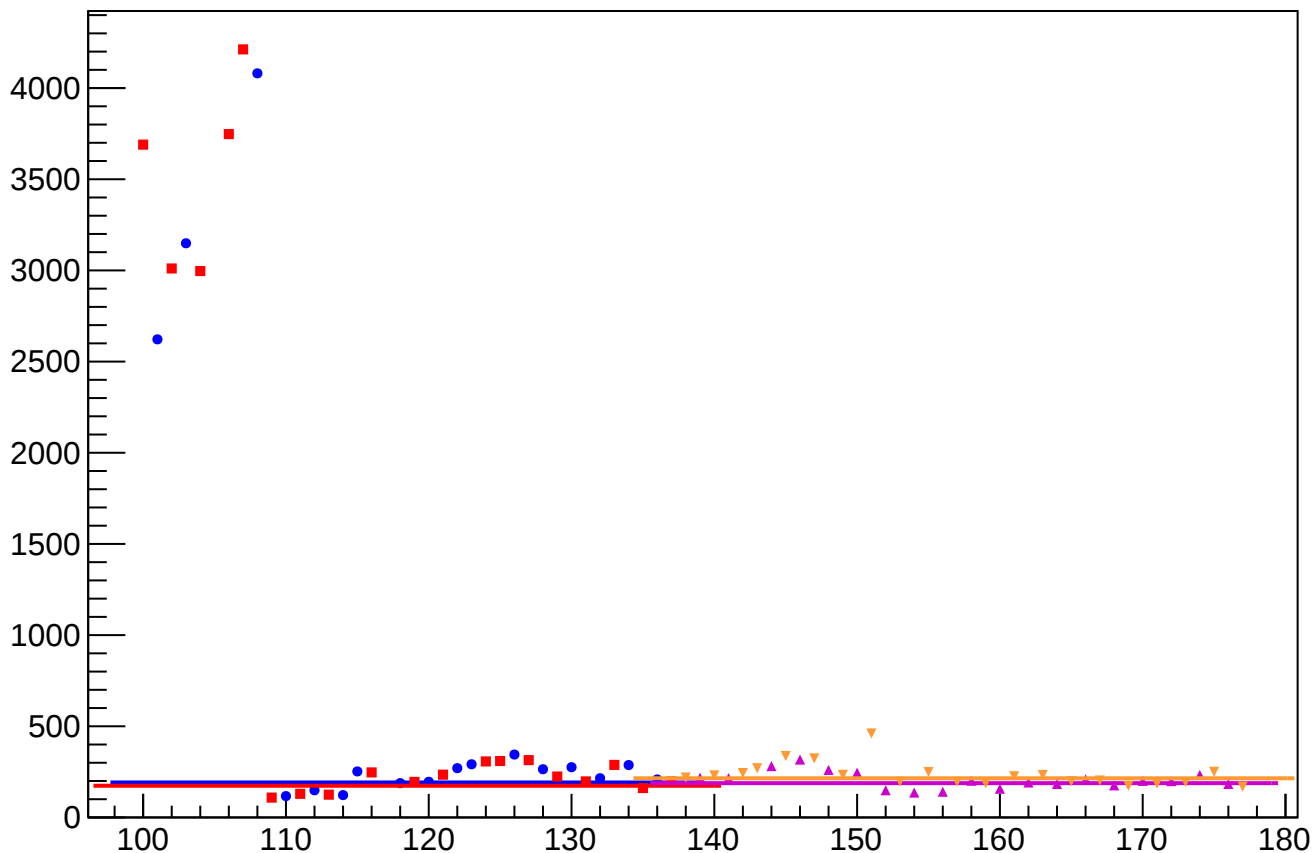
Left In: -44.099+/-51.494 χ^2/NDF : 6.1/18

+ sign 18.409+/-47.162 χ^2/NDF : 18.9/37

All: -9.670+/-31.971 χ^2/NDF : 36.8/75

- sign -33.545+/-43.488 χ^2/NDF : 17.3/37

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: 214.816 $\pm$ 0.040 χ^2 /NDF:1301270.7/20

Right Out: 173.928 $\pm$ 0.057 χ^2 /NDF: 4211385.1/18

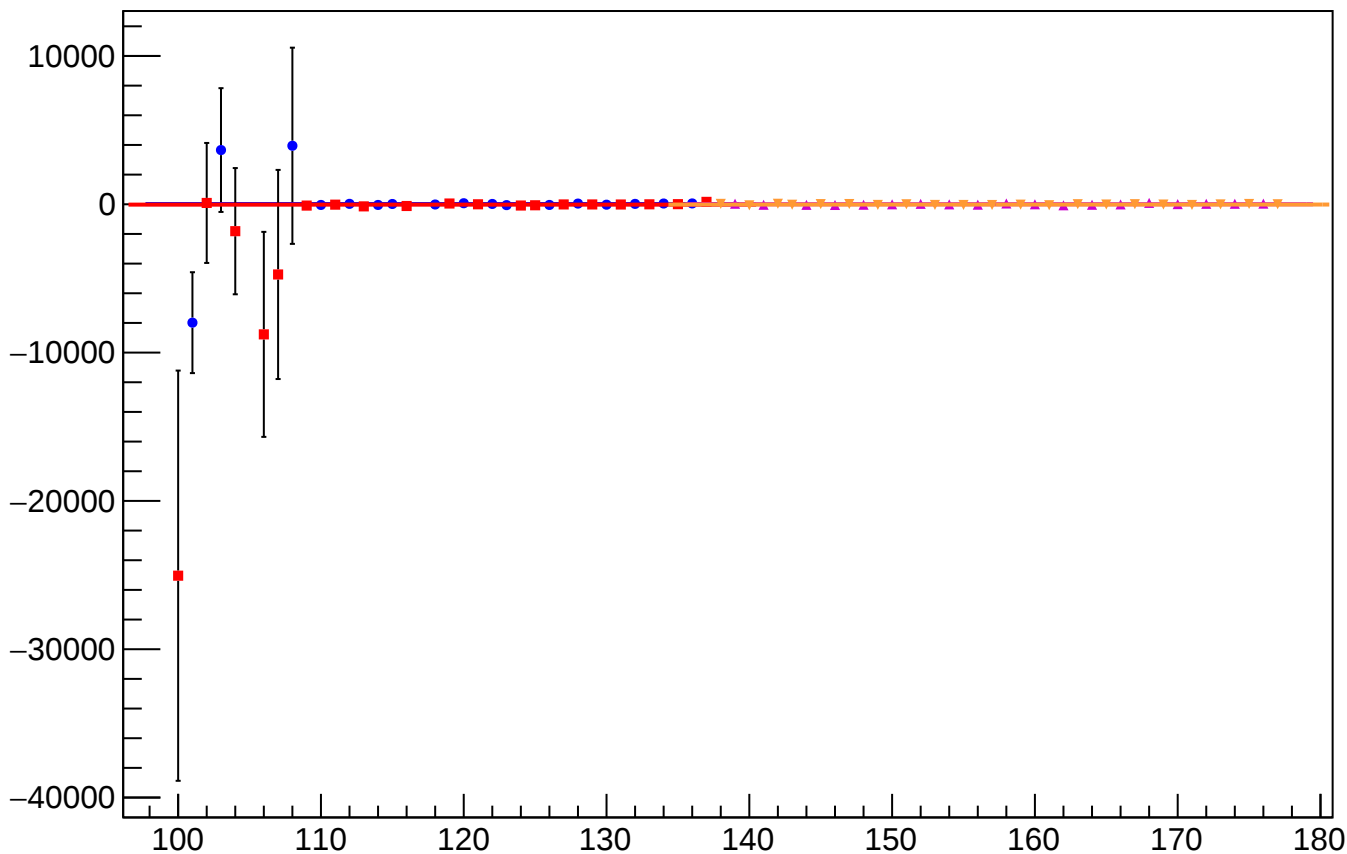
Left In: 188.106 $\pm$ 0.036 χ^2 /NDF:1331208.6/18

+ sign 208.221 $\pm$ 0.033 χ^2 /NDF: 4971240.8/37

All: 195.152 $\pm$ 0.023 χ^2 /NDF: 10841469.7/75

- sign 184.040 $\pm$ 0.031 χ^2 /NDF: 5586073.9/37

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: -17.937+/-7.939 χ^2/NDF :13.8/20

Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

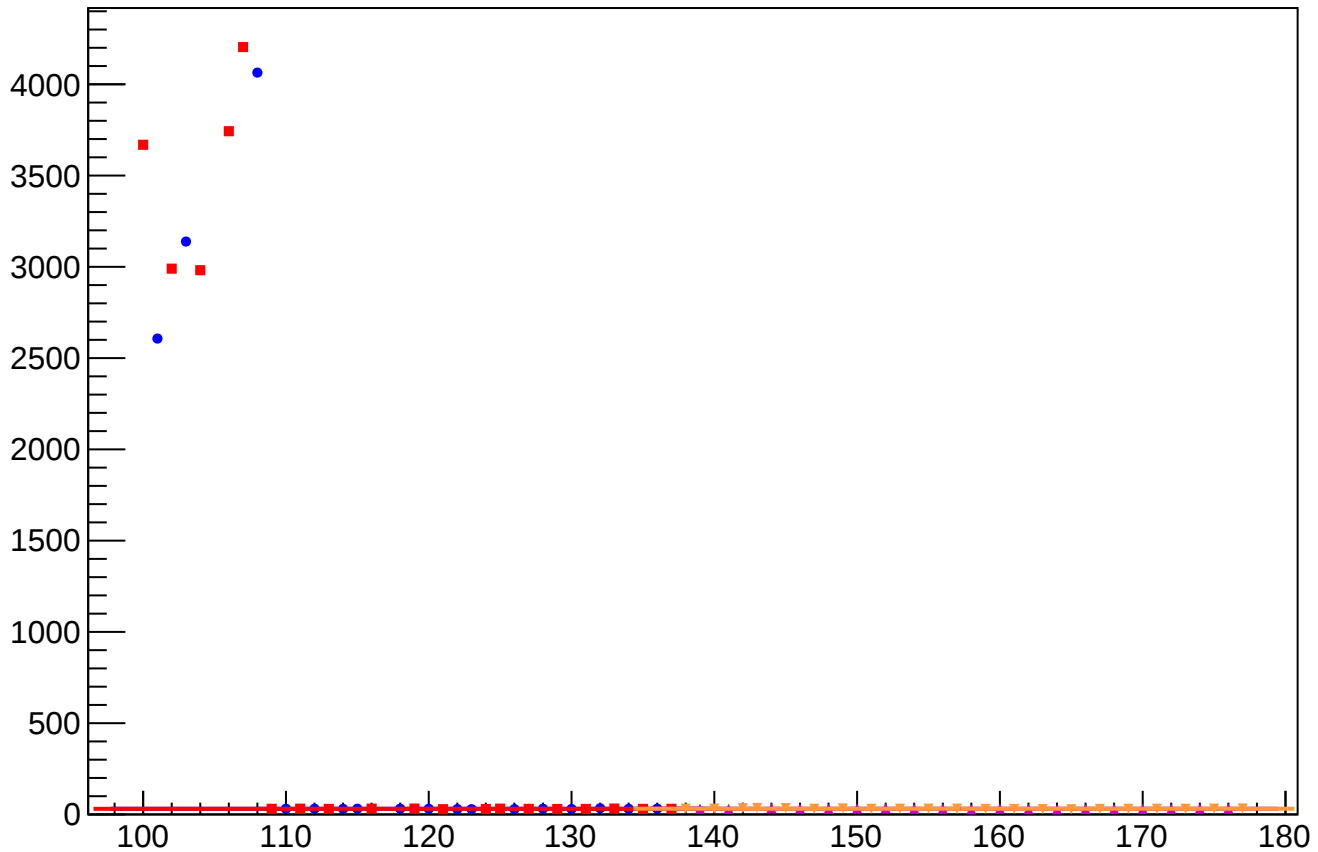
Left In: 3.183+/-8.226 χ^2/NDF :25.0/18

+ sign -9.805+/-6.859 χ^2/NDF : 33.1/37

All: -6.926+/-4.915 χ^2/NDF : 88.7/75

- sign -3.888+/-7.046 χ^2/NDF : 55.2/37

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: 31.502 $\pm$ 0.006 χ^2 /NDF: 76403.2/20

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

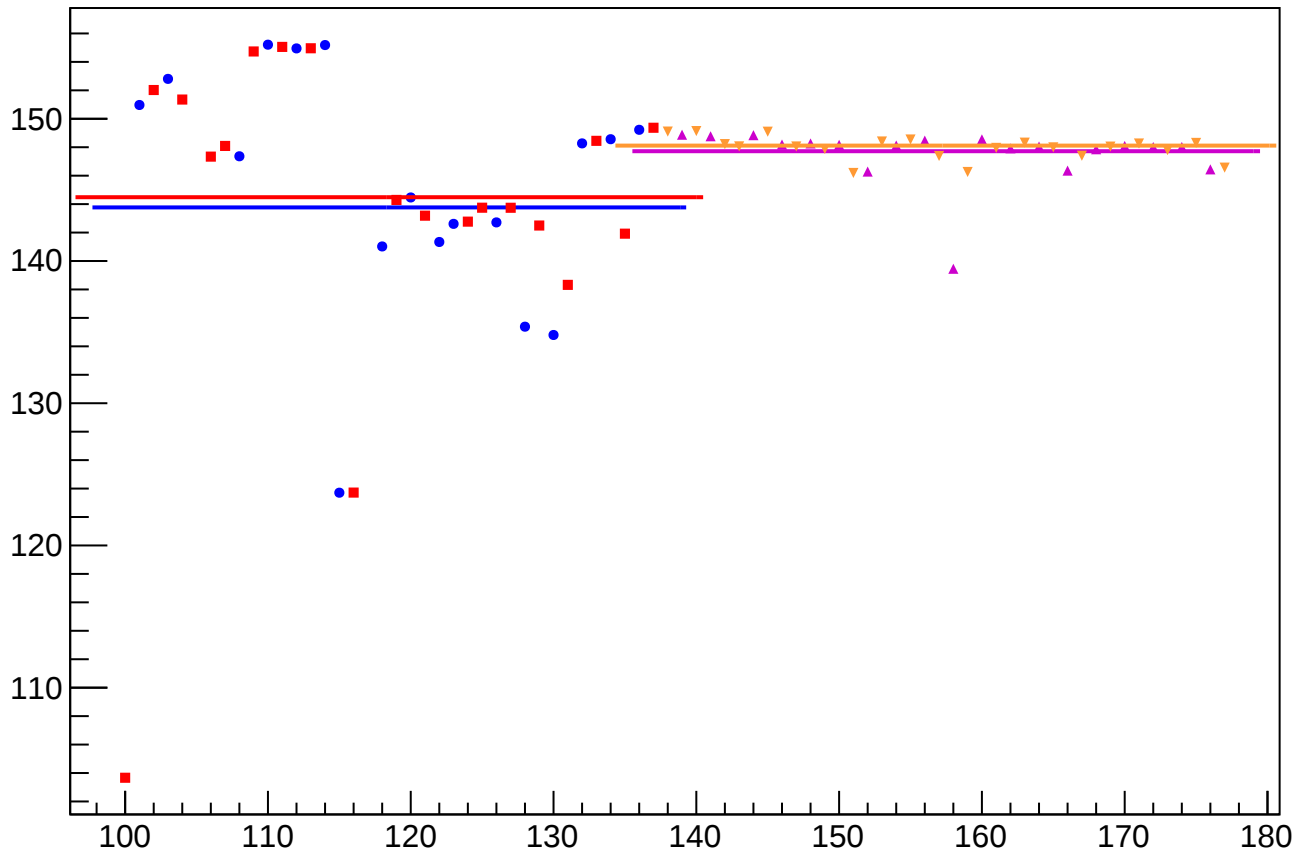
Left In: 31.397 $\pm$ 0.006 χ^2 /NDF: 84580.7/18

+ sign 31.407 $\pm$ 0.005 χ^2 /NDF: 3091964.6/37

All: 31.346 $\pm$ 0.003 χ^2 /NDF: 6637296.4/75

- sign 31.281 $\pm$ 0.005 χ^2 /NDF: 3545004.1/37

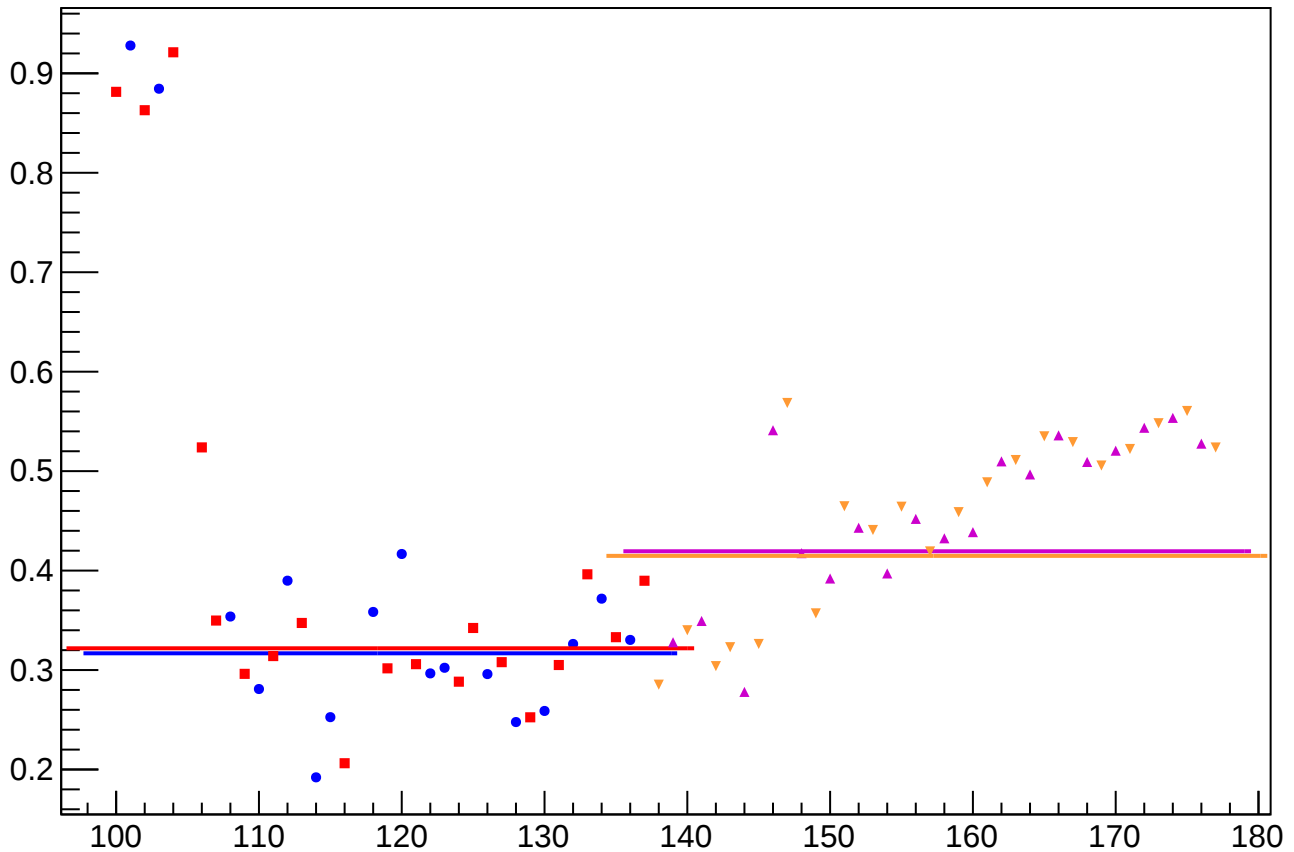
yield_bcm_an_ds_mean vs Slug



Right In: 143.768 ± 0.000 χ^2/NDF : 3532173868.5/16
 Left Out: 148.114 ± 0.000 χ^2/NDF : 59856567.2/20
 Right Out: 144.486 ± 0.000 χ^2/NDF : 4183608291.3/18
 Left In: 147.720 ± 0.000 χ^2/NDF : 329117172.4/18

+ sign 146.389 ± 0.000 χ^2/NDF : 4225939317.3/37
 All: 146.372 ± 0.000 χ^2/NDF : 9080657984.6
 - sign 146.354 ± 0.000 χ^2/NDF : 4854635399.1/37

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.415 ± 0.000 χ^2/NDF : 1486203.2/20

Right Out: 0.322 ± 0.000 χ^2/NDF : 1217762.5/18

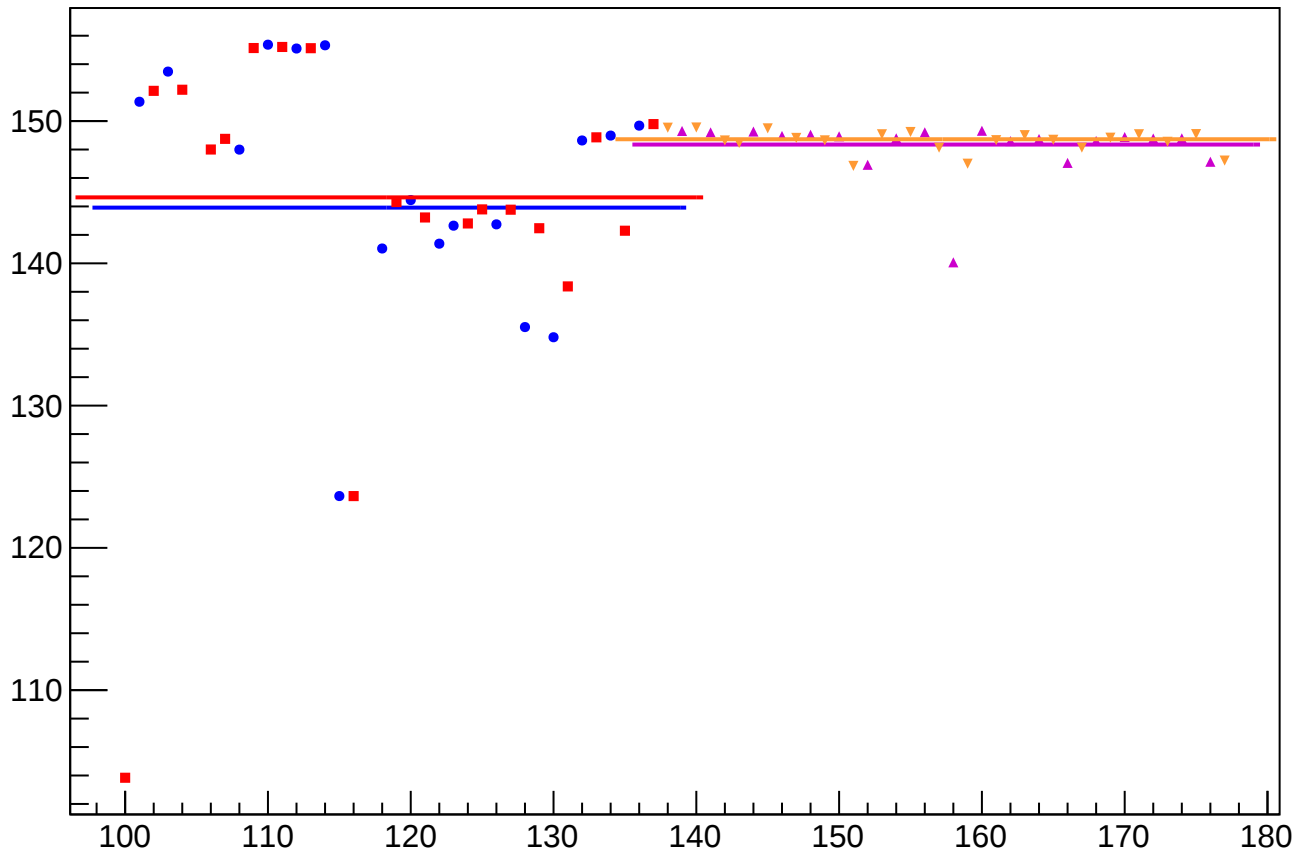
Left In: 0.419 ± 0.000 χ^2/NDF : 1161044.3/18

+ sign 0.376 ± 0.000 χ^2/NDF : 3409152.4/37

All: 0.377 ± 0.000 χ^2/NDF : 6410978.4/75

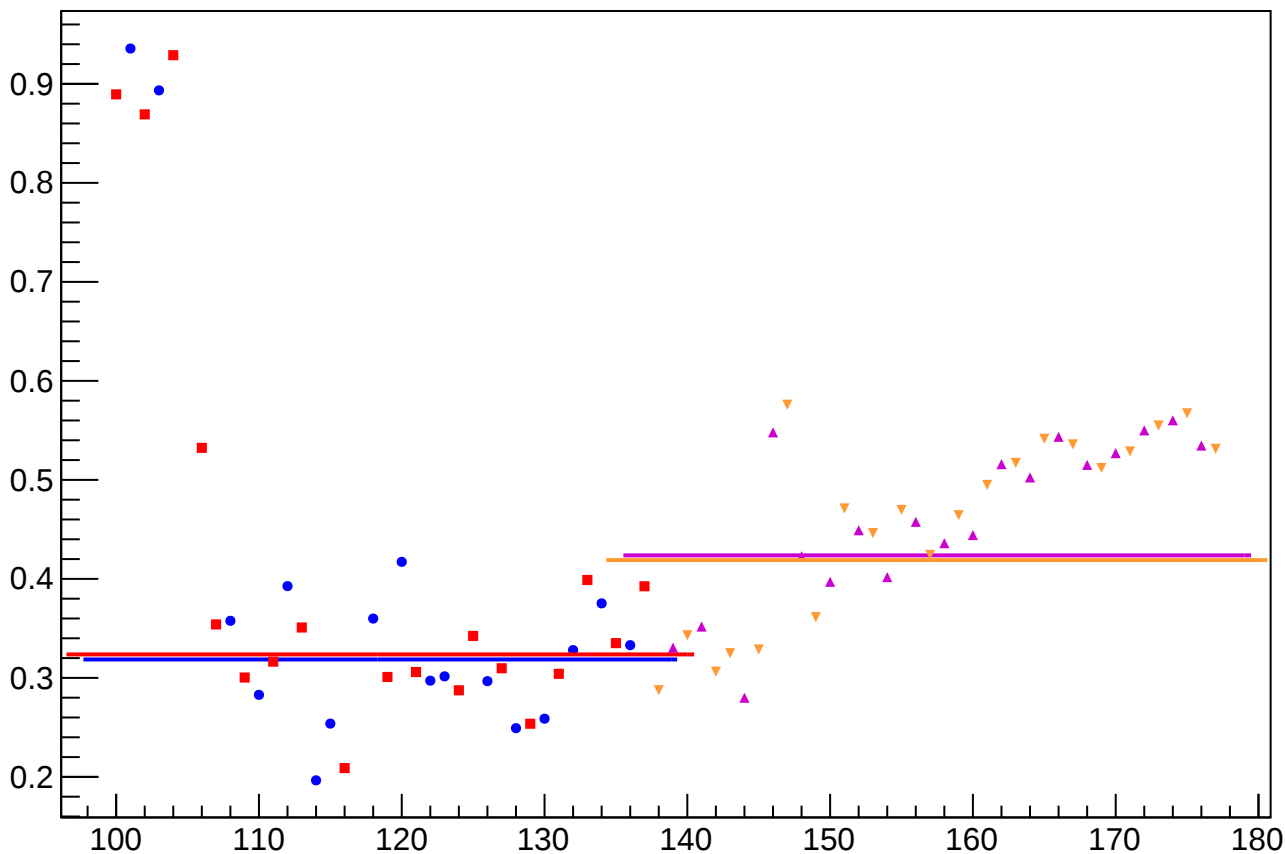
- sign 0.378 ± 0.000 χ^2/NDF : 3001082.1/37

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000	χ^2 /NDF: 3584662767.5/16	+ sign 146.803 $\pm$ 0.000	χ^2 /NDF: 4396148879.2/37
Left Out: 148.723 $\pm$ 0.000	χ^2 /NDF: 47909141.0/20	All: 146.789 $\pm$ 0.000	χ^2 /NDF: 9368895425.7
Right Out: 144.637 $\pm$ 0.000	χ^2 /NDF: 4210524953.9/18	- sign 146.773 $\pm$ 0.000	χ^2 /NDF: 4972684020.7/37
Left In: 148.350 $\pm$ 0.000	χ^2 /NDF: 318527335.2/18		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 ± 0.000 $\chi^2/\text{NDF}: 1280748.9/16$

Left Out: 0.419 ± 0.000 $\chi^2/\text{NDF}: 1513015.3/20$

Right Out: 0.324 ± 0.000 $\chi^2/\text{NDF}: 1220898.3/18$

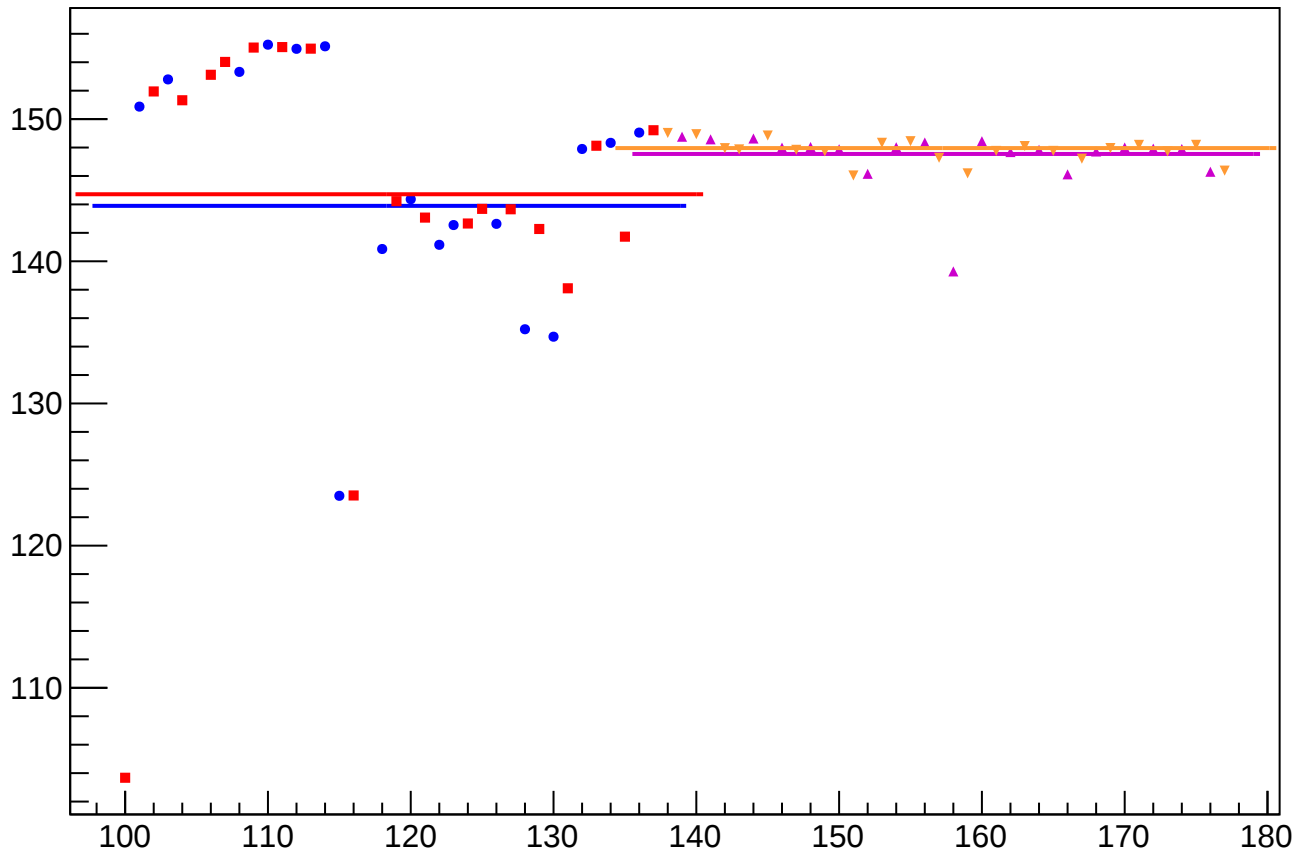
Left In: 0.424 ± 0.000 $\chi^2/\text{NDF}: 1182663.5/18$

+ sign 0.379 ± 0.000 $\chi^2/\text{NDF}: 3460288.5/37$

All: 0.380 ± 0.000 $\chi^2/\text{NDF}: 6508872.3/75$

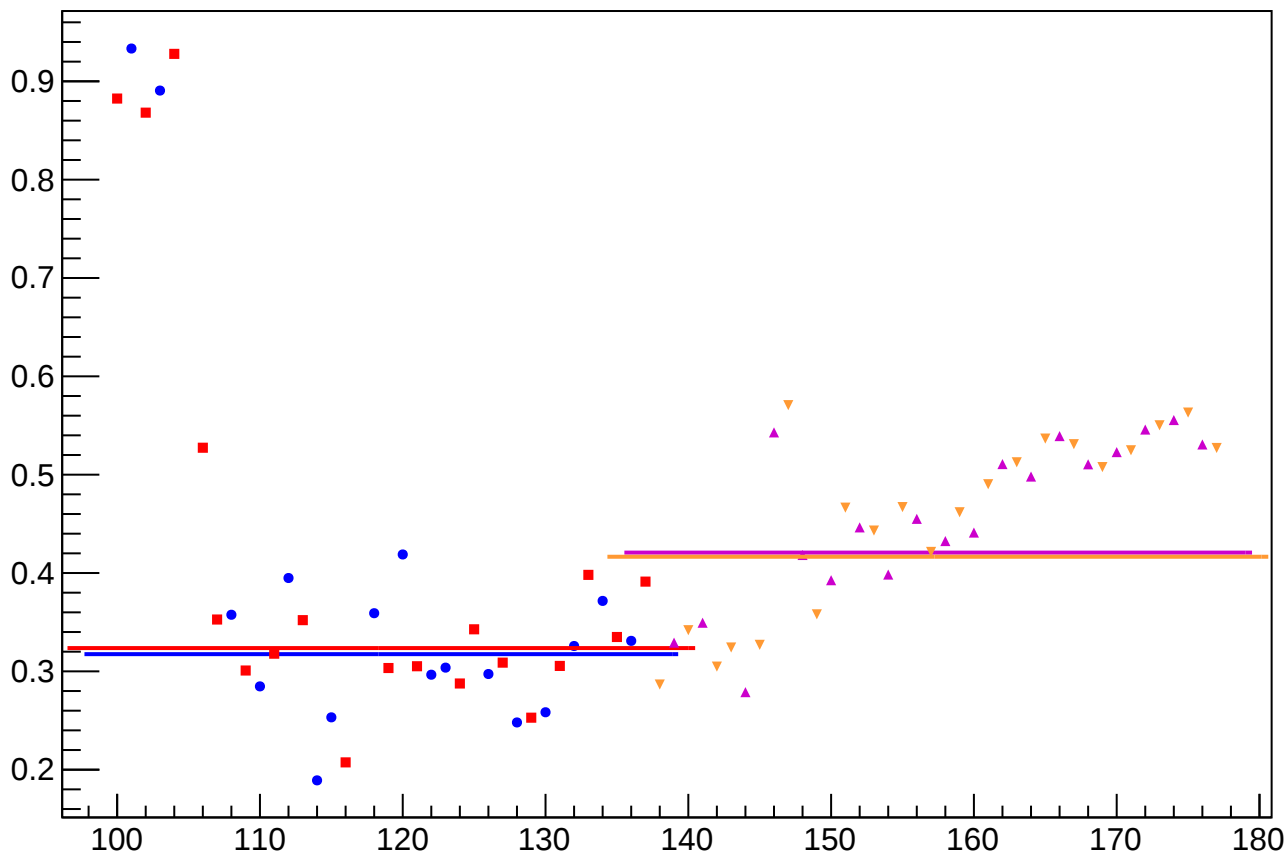
- sign 0.381 ± 0.000 $\chi^2/\text{NDF}: 3047834.4/37$

yield_bcm_an_us_mean vs Slug



Right In: 143.899 $\pm$ 0.000	χ^2 /NDF: 3749888331.0/16	+ sign 146.346 $\pm$ 0.000	χ^2 /NDF: 4358631161.7/37
Left Out: 147.962 $\pm$ 0.000	χ^2 /NDF: 58481007.9/20	All: 146.350 $\pm$ 0.000	χ^2 /NDF: 9421236011.6
Right Out: 144.715 $\pm$ 0.000	χ^2 /NDF: 4474458988.7/18	- sign 146.355 $\pm$ 0.000	χ^2 /NDF: 5062599871.1/37
Left In: 147.548 $\pm$ 0.000	χ^2 /NDF: 328182080.3/18		

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.417 ± 0.000 χ^2/NDF : 1488870.5/20

Right Out: 0.324 ± 0.000 χ^2/NDF : 1221676.7/18

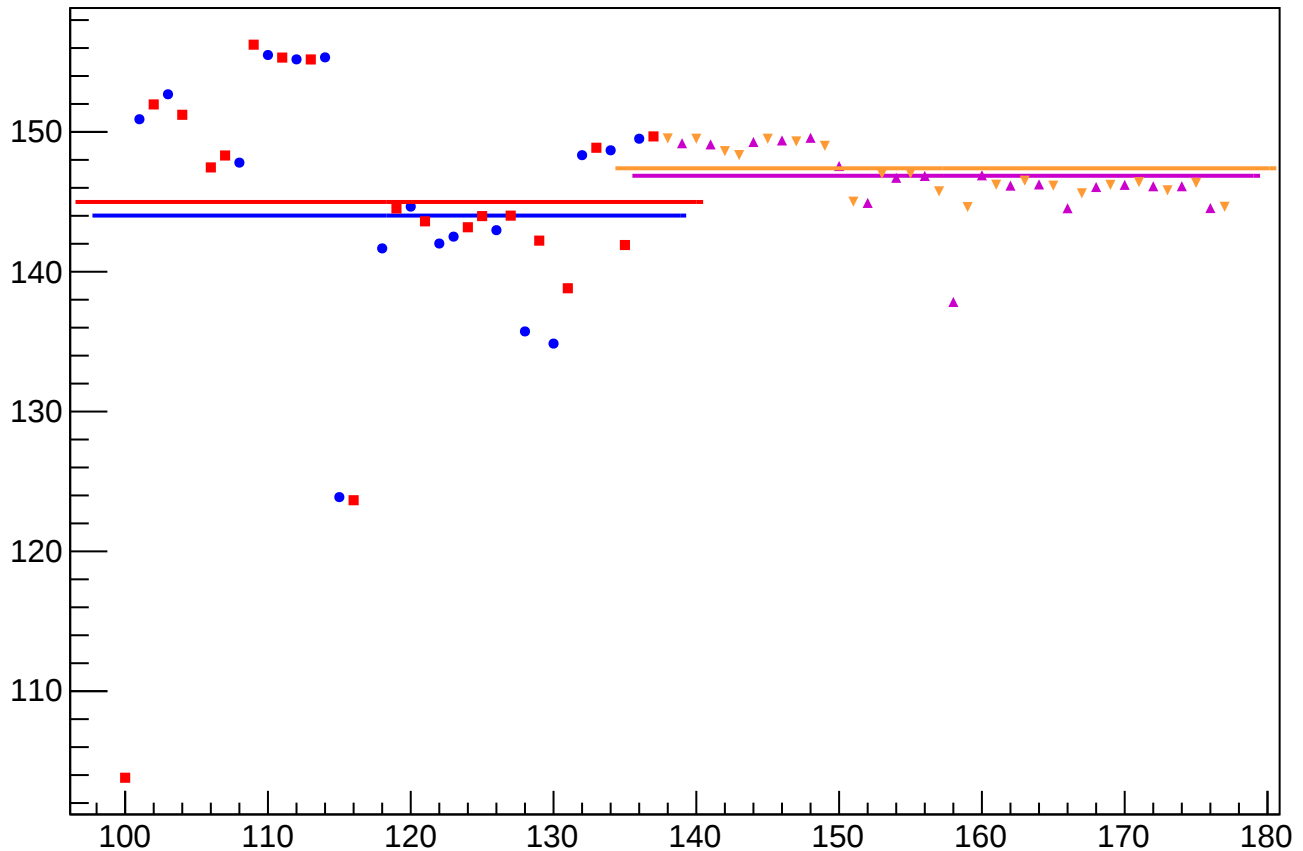
Left In: 0.421 ± 0.000 χ^2/NDF : 1168314.5/18

+ sign 0.377 ± 0.000 χ^2/NDF : 3435921.0/37

All: 0.378 ± 0.000 χ^2/NDF : 6437613.8/75

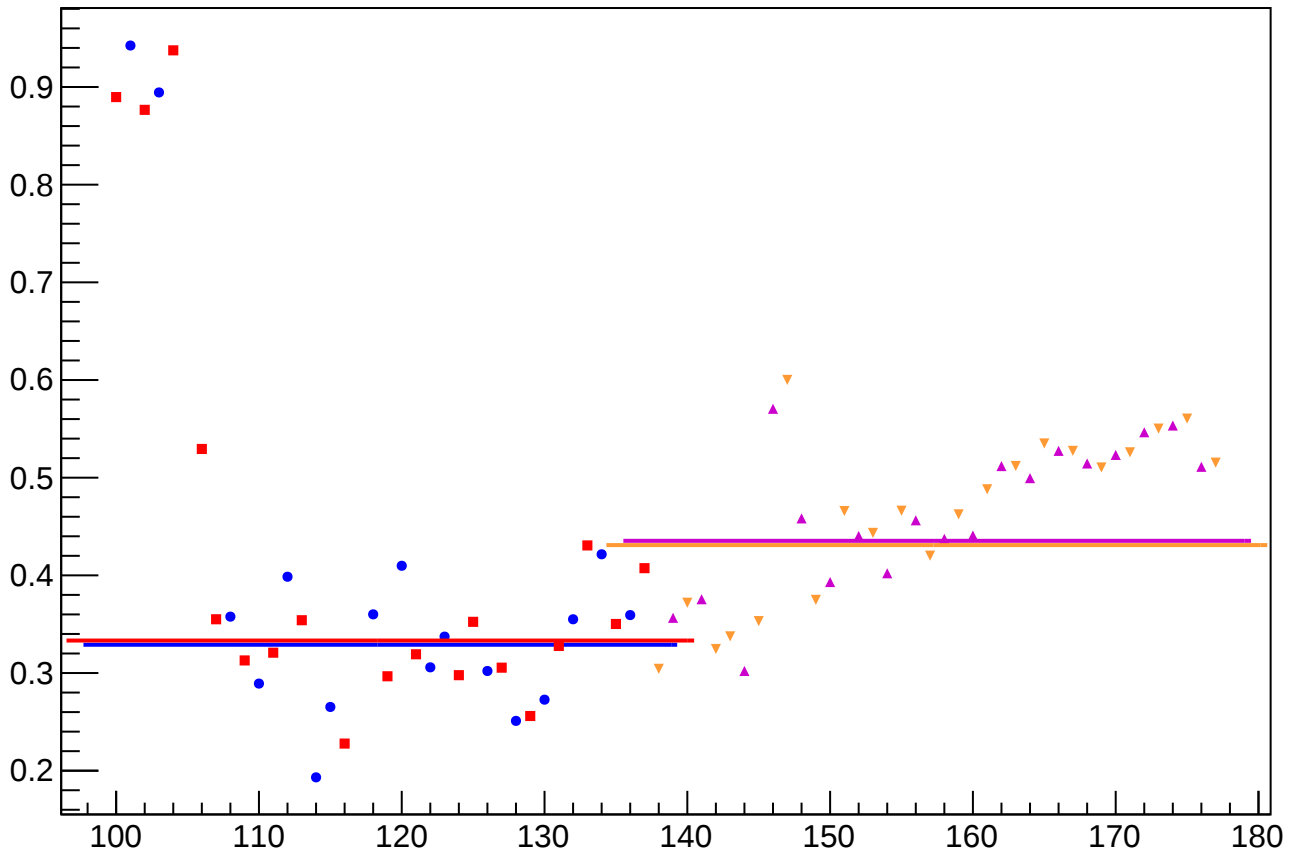
- sign 0.380 ± 0.000 χ^2/NDF : 3000695.3/37

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 $\pm$ 0.000	χ^2 /NDF: 3238525527.6/16	+ sign 146.066 $\pm$ 0.000	χ^2 /NDF: 3827994879.9/37
Left Out: 147.398 $\pm$ 0.000	χ^2 /NDF: 233693170.3/20	All: 146.070 $\pm$ 0.000	χ^2 /NDF: 8310158768.9
Right Out: 144.990 $\pm$ 0.000	χ^2 /NDF: 3853449012.9/18	- sign 146.075 $\pm$ 0.000	χ^2 /NDF: 4482158252.0/37
Left In: 146.864 $\pm$ 0.000	χ^2 /NDF: 521537709.2/18		

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.431 ± 0.000 χ^2/NDF : 1150066.4/20

Right Out: 0.333 ± 0.000 χ^2/NDF : 1182496.7/18

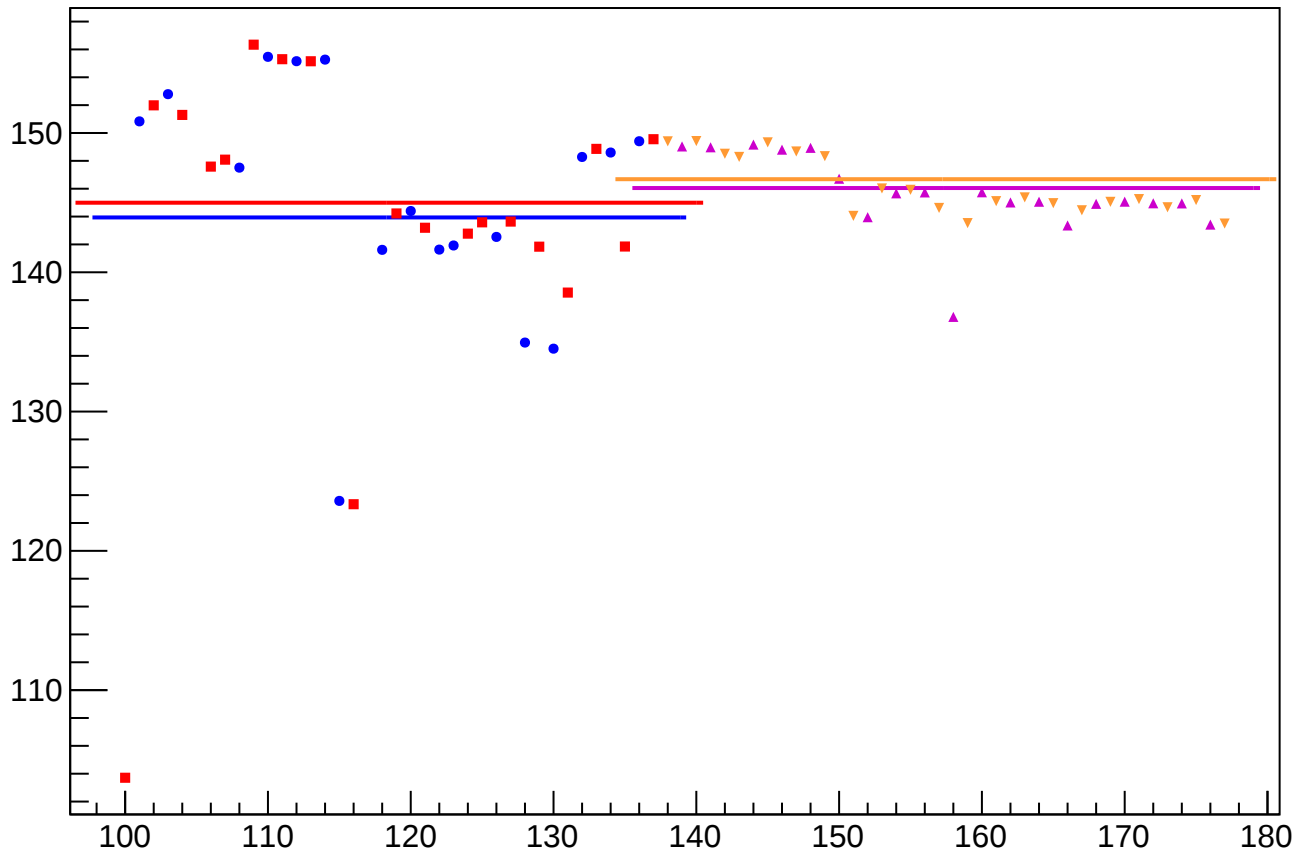
Left In: 0.435 ± 0.000 χ^2/NDF : 872949.5/18

+ sign 0.391 ± 0.000 χ^2/NDF : 3074218.7/37

All: 0.392 ± 0.000 χ^2/NDF : 5766254.3/75

- sign 0.392 ± 0.000 χ^2/NDF : 2691703.5/37

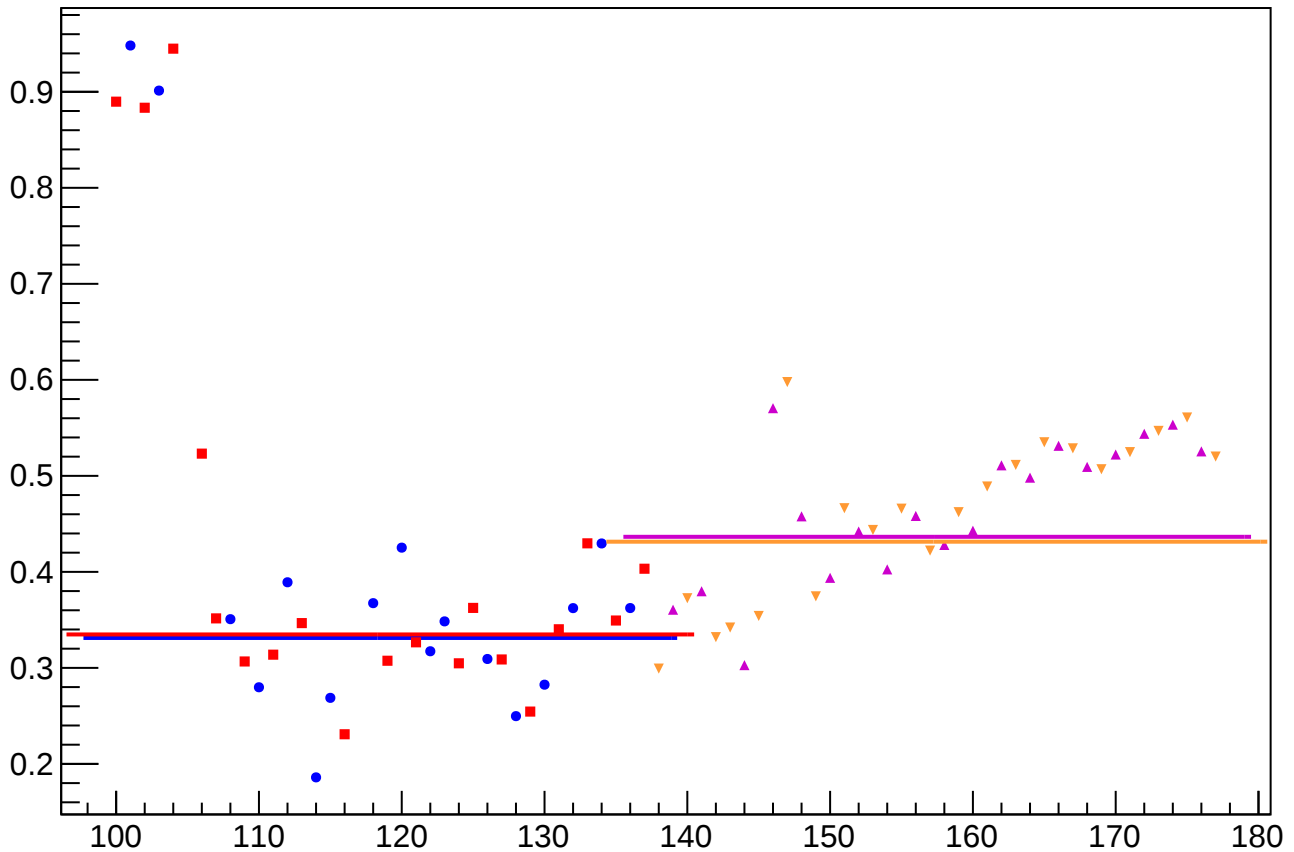
yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16
 Left Out: 146.683 $\pm$ 0.000 χ^2 /NDF: 359377242.3/20
 Right Out: 144.995 $\pm$ 0.000 χ^2 /NDF: 3934069043.2/18
 Left In: 146.048 $\pm$ 0.000 χ^2 /NDF: 647770033.8/18

+ sign 145.610 $\pm$ 0.000 χ^2 /NDF: 3970597350.3/37
 All: 145.608 $\pm$ 0.000 χ^2 /NDF: 8586013979.1
 - sign 145.606 $\pm$ 0.000 χ^2 /NDF: 4615415806.8/37

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 ± 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.431 ± 0.000 χ^2/NDF : 1142664.7/20

Right Out: 0.335 ± 0.000 χ^2/NDF : 1172239.8/18

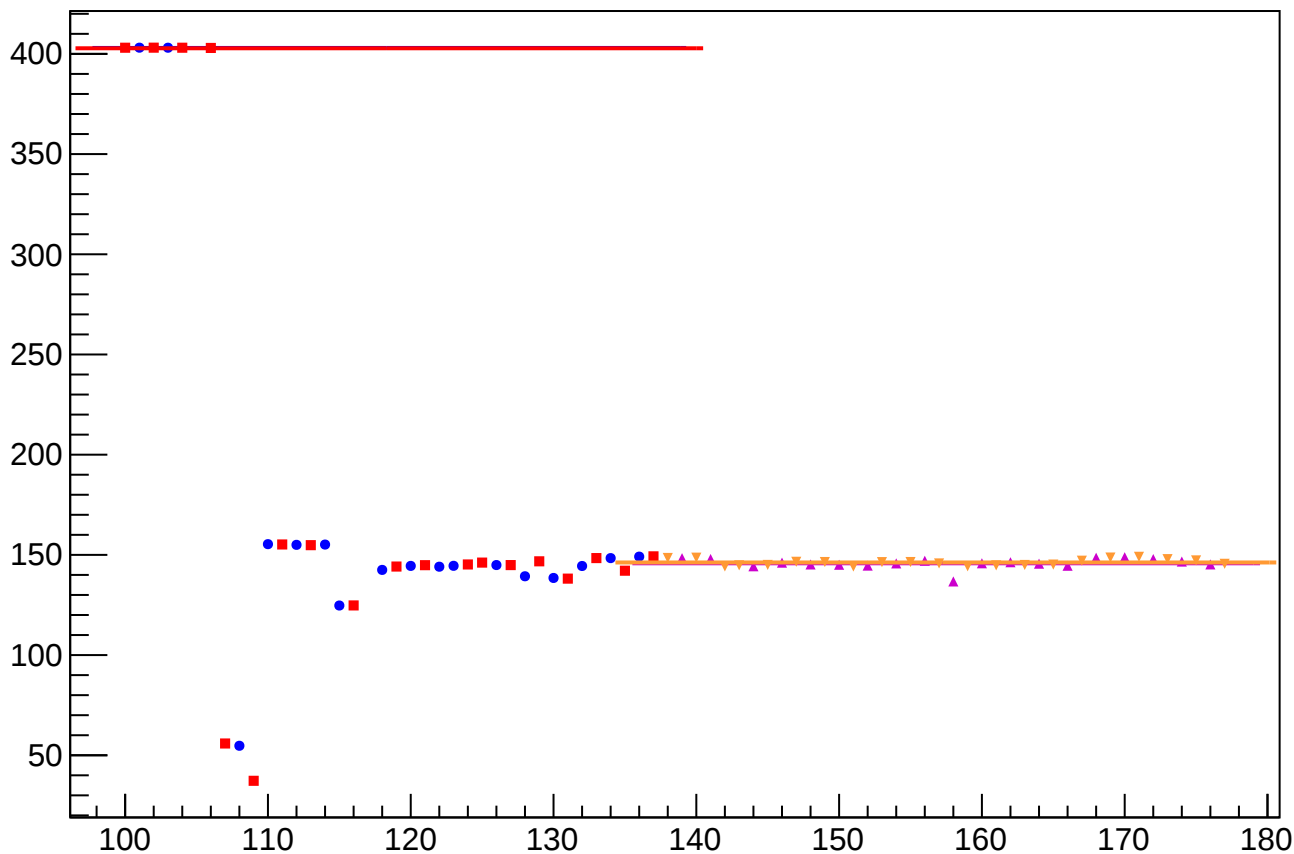
Left In: 0.437 ± 0.000 χ^2/NDF : 854632.3/18

+ sign 0.392 ± 0.000 χ^2/NDF : 3056995.0/37

All: 0.393 ± 0.000 χ^2/NDF : 5709908.7/75

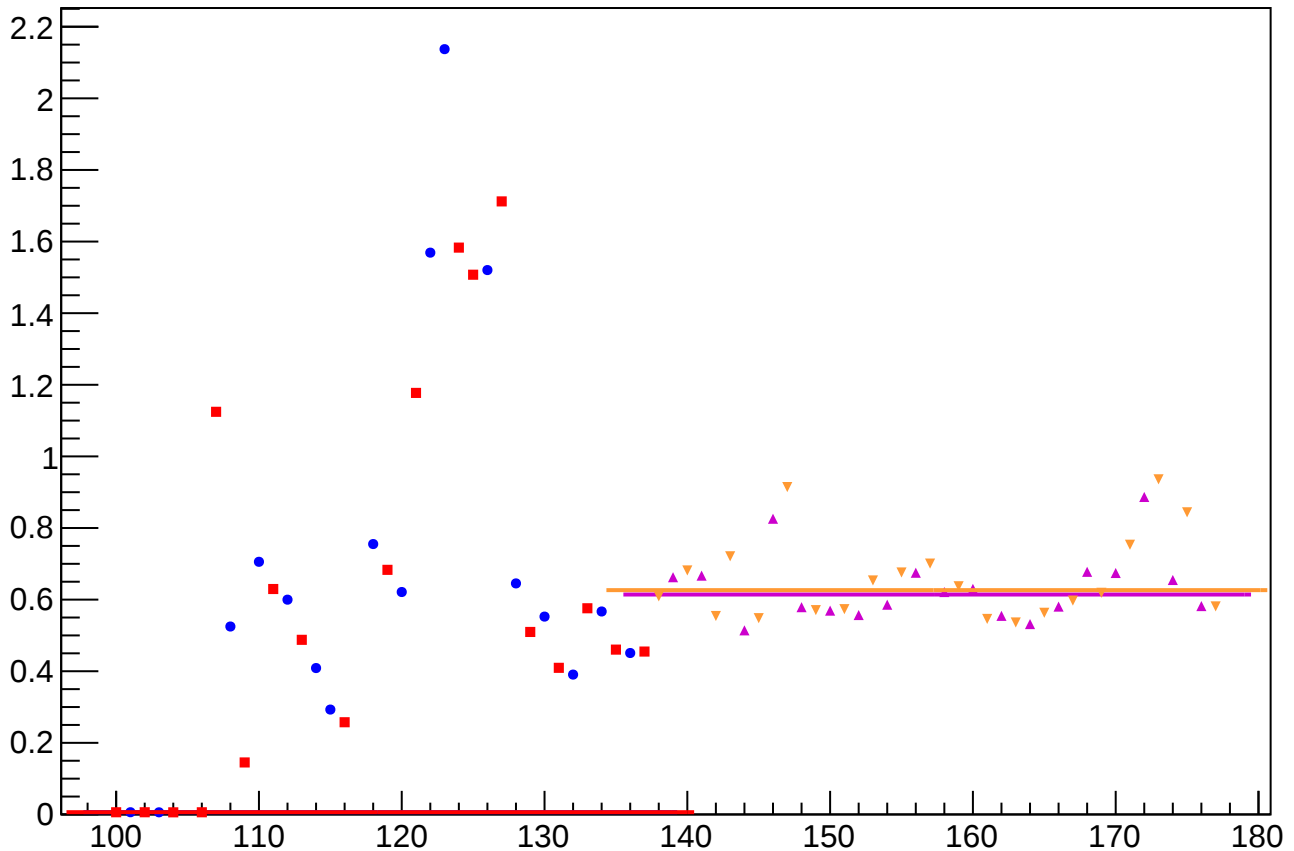
- sign 0.394 ± 0.000 χ^2/NDF : 2652592.8/37

yield_cav4bQ_mean vs Slug



Right In: 402.957 +/- 0.000 χ^2/NDF : 1096710296821.6/16
 Left Out: 146.211 +/- 0.000 χ^2/NDF : 74713797.7/20
 Right Out: 402.799 +/- 0.000 χ^2/NDF : 3103890772575.4/18
 Left In: 145.799 +/- 0.000 χ^2/NDF : 170174184.4/18

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.626+/-0.000 χ^2/NDF :558007.7/20

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

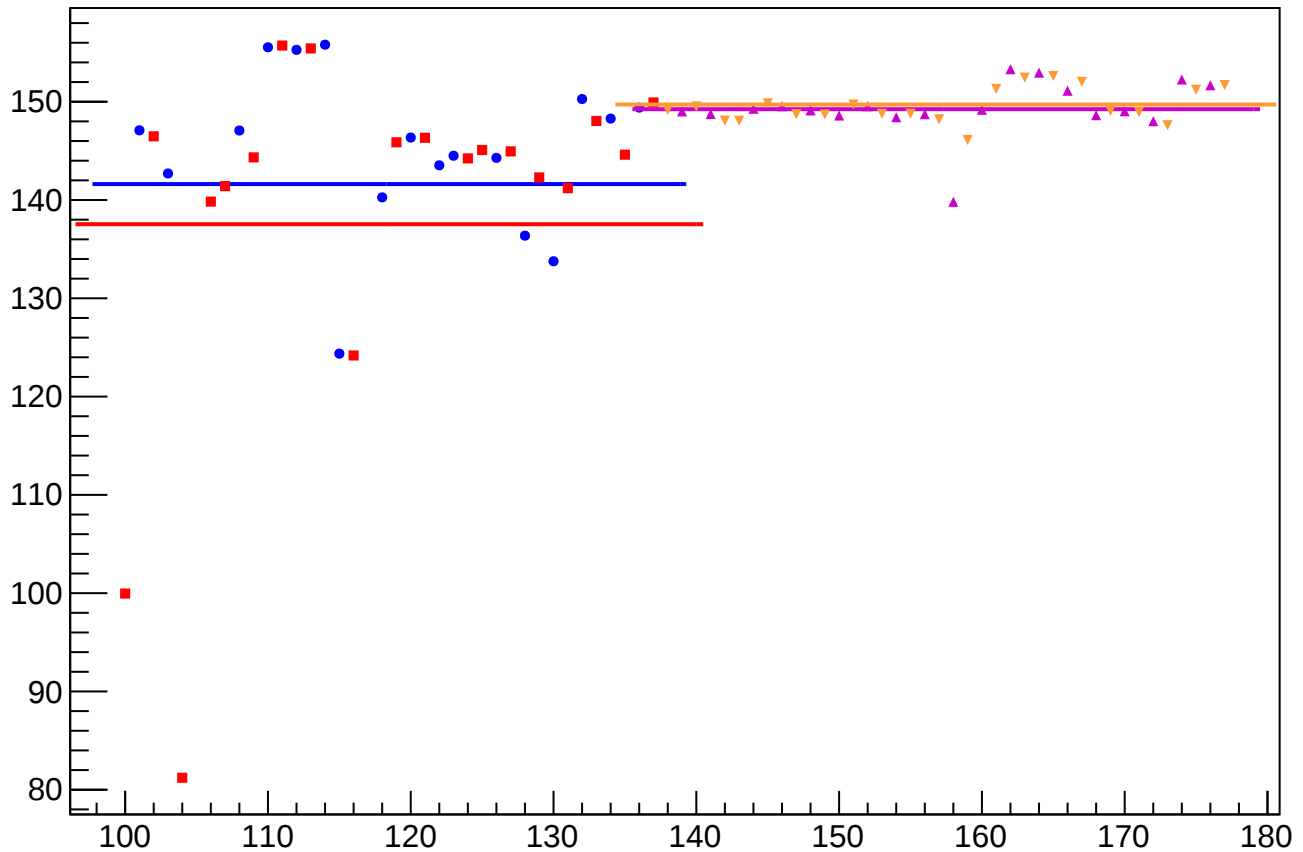
Left In: 0.614+/-0.000 χ^2/NDF :350578.9/18

+ sign 0.007+/-0.000 χ^2/NDF : 33081267.4/37

All: 0.007+/-0.000 χ^2/NDF : 64477585.6/75

- sign 0.007+/-0.000 χ^2/NDF : 31395940.8/37

yield_cav4cQ_mean vs Slug



Right In: 141.622 ± 0.000 χ^2/NDF : 982037737.7/16

Left Out: 149.715 ± 0.000 χ^2/NDF : 140403963.3/20

Right Out: 137.536 ± 0.000 χ^2/NDF : 1315768553.6/18

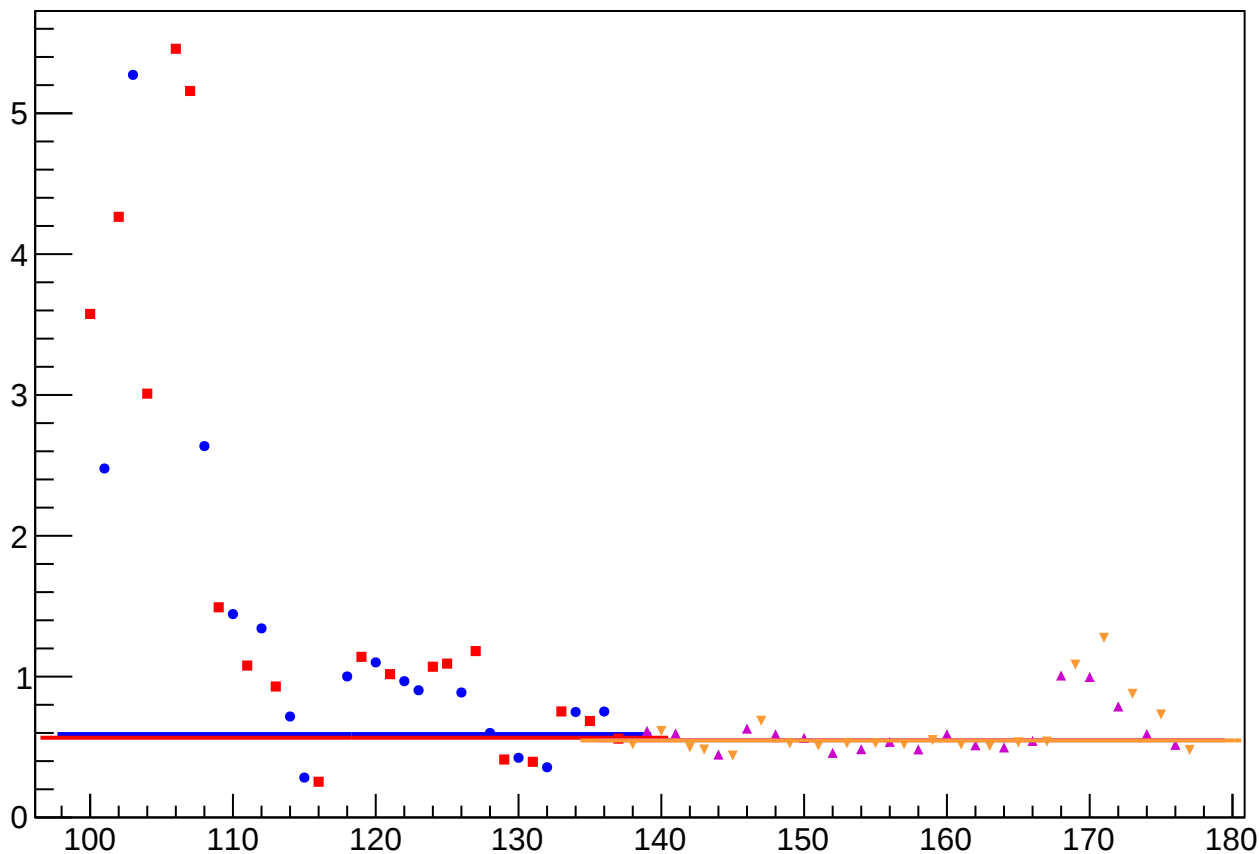
Left In: 149.242 ± 0.000 χ^2/NDF : 401779590.9/18

+ sign 148.229 ± 0.000 χ^2/NDF : 1663624764.3/37

All: 147.569 ± 0.000 χ^2/NDF : 4591683667.8

- sign 146.878 ± 0.000 χ^2/NDF : 2878878392.3/37

yield_cav4cQ_rms vs Slug



Right In: 0.592+/-0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.547+/-0.000 χ^2/NDF :1342814.2/20

Right Out: 0.566+/-0.000 χ^2/NDF : 4682140.9/18

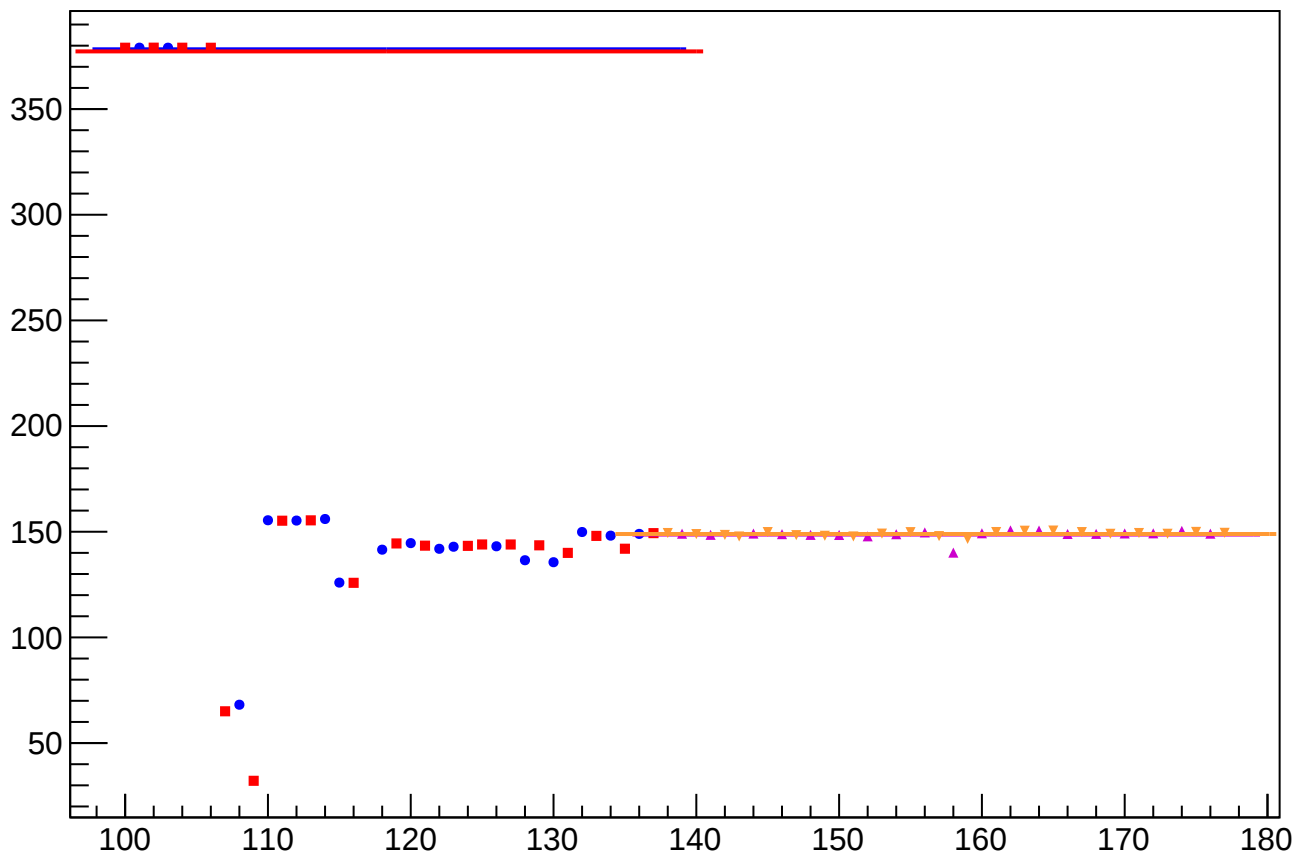
Left In: 0.549+/-0.000 χ^2/NDF :967488.8/18

+ sign 0.555+/-0.000 χ^2/NDF : 4898454.3/37

All: 0.554+/-0.000 χ^2/NDF : 10553884.1/75

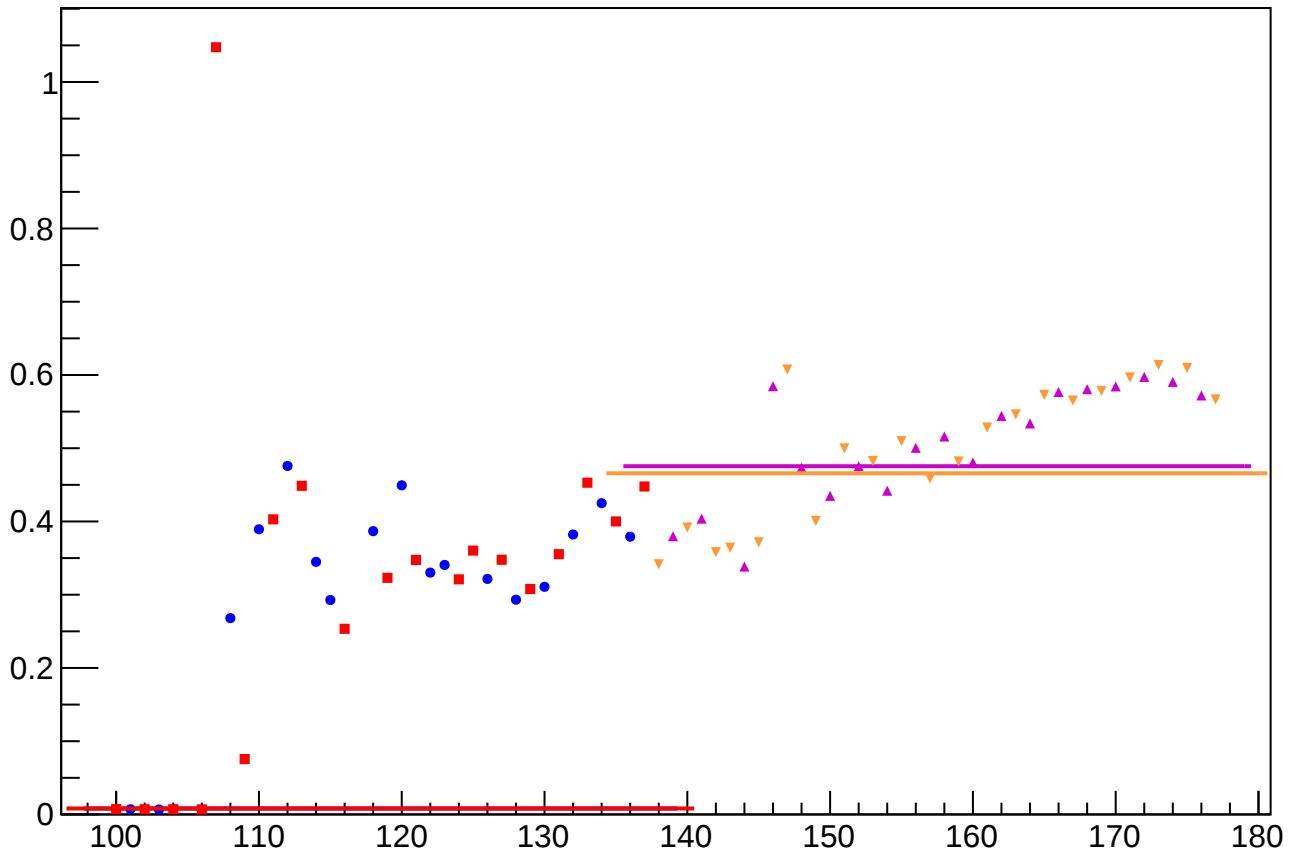
- sign 0.552+/-0.000 χ^2/NDF : 5654910.4/37

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16
 Left Out: 148.923+/-0.000 χ^2/NDF : 63768024.7/20
 Right Out: 377.289+/-0.000 χ^2/NDF : 8279468194444.1/18
 Left In: 148.663+/-0.000 χ^2/NDF : 242456048.6/18

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9885759.8/16

Left Out: 0.466 $\pm$ 0.000 χ^2 /NDF:1155639.9/20

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9535410.6/18

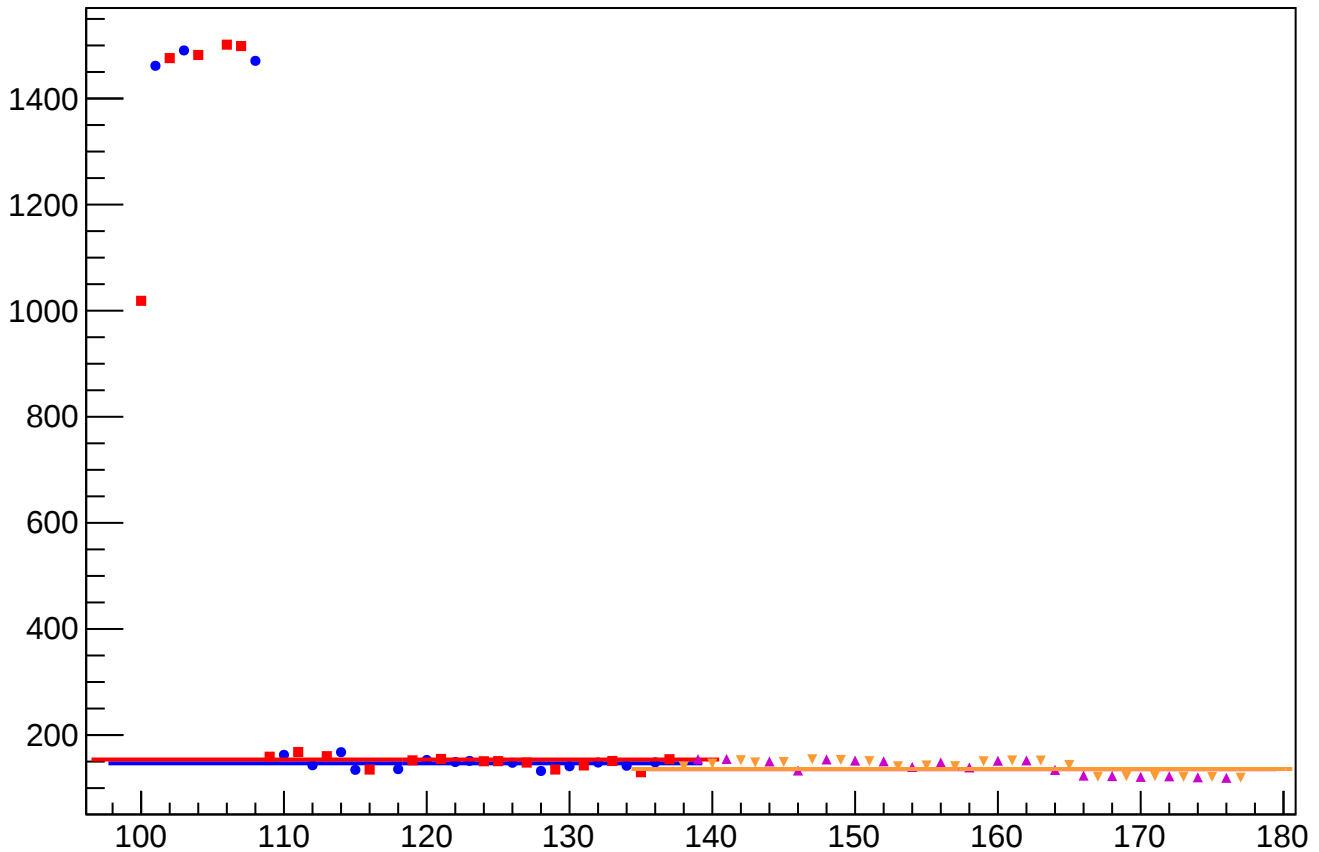
Left In: 0.475 $\pm$ 0.000 χ^2 /NDF:835317.1/18

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 39389113.5/37

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 76376854.9/75

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 36985098.5/37

yield_bcm0l02_mean vs Slug



Right In: 146.723 ± 0.000 χ^2/NDF : 24350870553.3/16

Left Out: 136.017 ± 0.000 χ^2/NDF : 3672607345.4/20

Right Out: 153.887 ± 0.000 χ^2/NDF : 33738118250.9/18

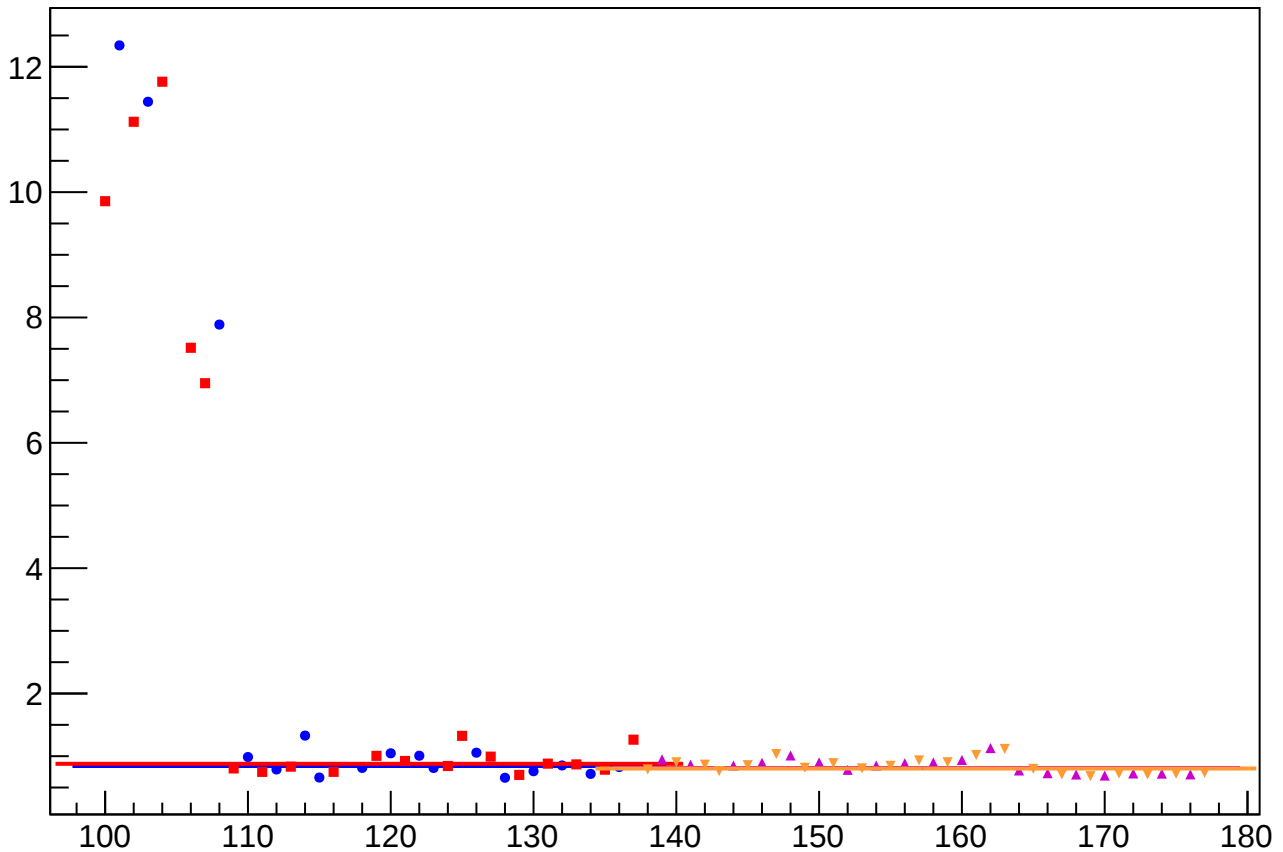
Left In: 135.663 ± 0.000 χ^2/NDF : 3570240939.2/18

+ sign 138.244 ± 0.000 χ^2/NDF : 28509592089.1/37

All: 138.938 ± 0.000 χ^2/NDF : 67213405497.1

- sign 139.683 ± 0.000 χ^2/NDF : 38678089069.4/37

yield_bcm0l02_rms vs Slug



Right In: 0.844 ± 0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.803 ± 0.000 χ^2/NDF : 462590.0/20

Right Out: 0.878 ± 0.000 χ^2/NDF : 2812500.6/18

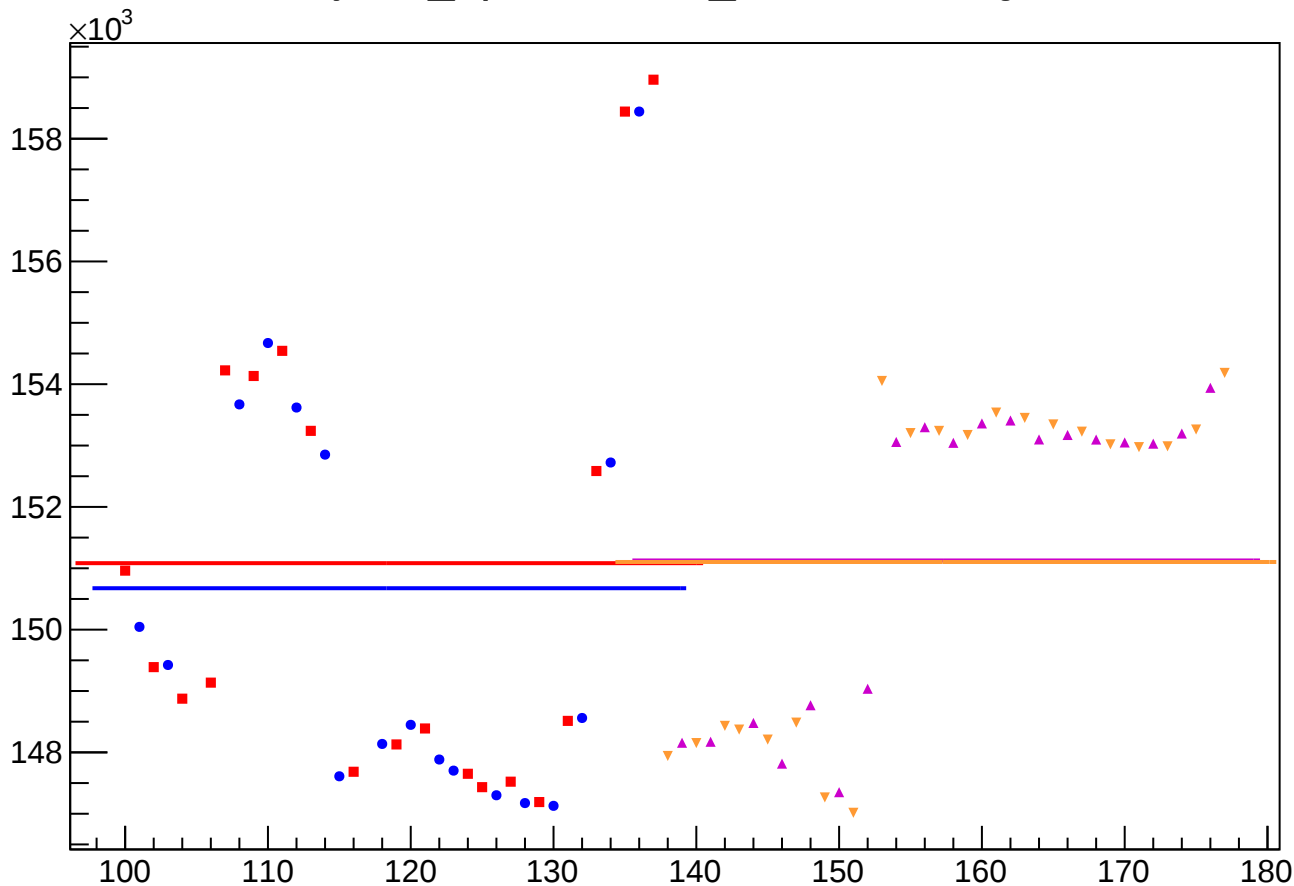
Left In: 0.811 ± 0.000 χ^2/NDF : 434048.7/18

+ sign 0.812 ± 0.000 χ^2/NDF : 3146776.4/37

All: 0.819 ± 0.000 χ^2/NDF : 6435482.5/75

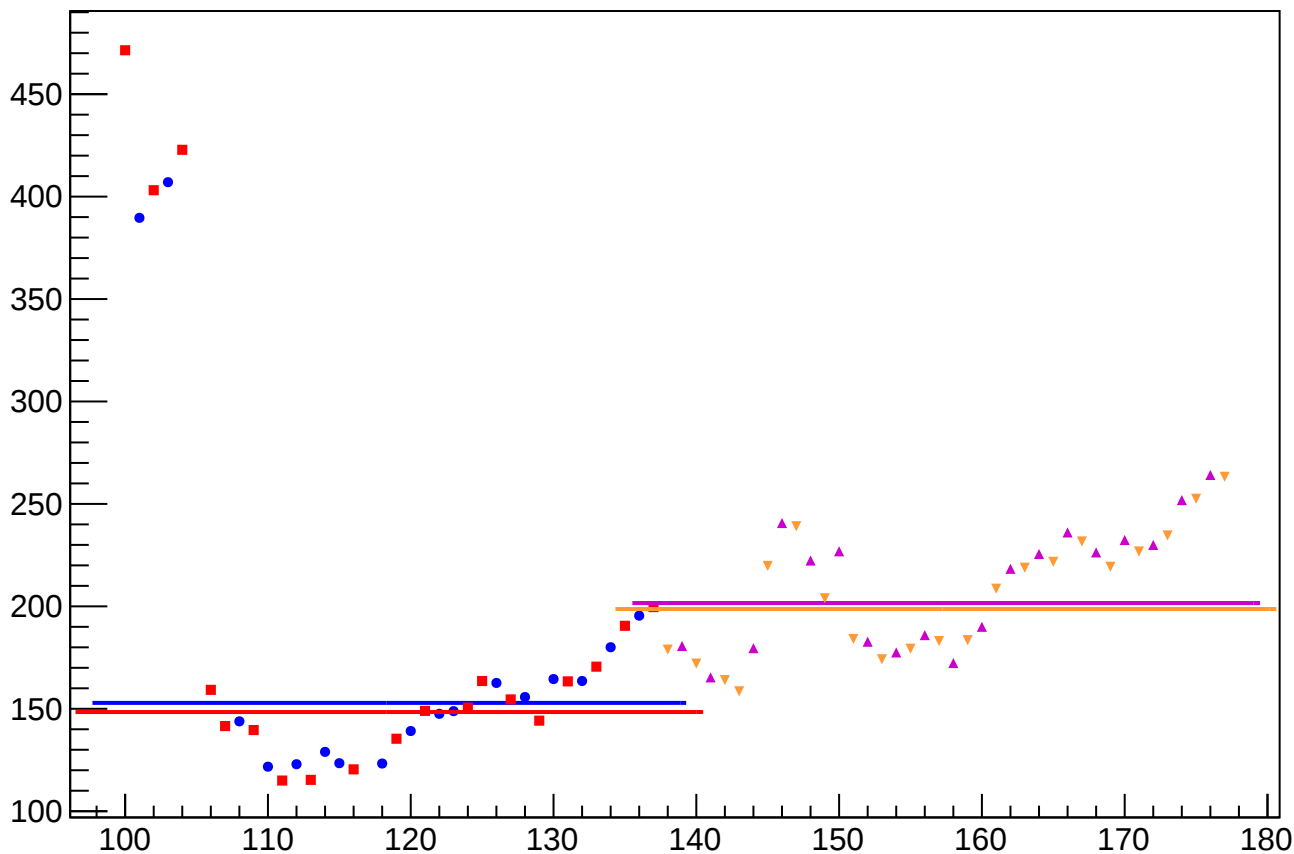
- sign 0.826 ± 0.000 χ^2/NDF : 3283655.4/37

yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16
 Left Out: 151102.525 $\pm$ 0.051 χ^2 /NDF: 2844301902.3/20
 Right Out: 151083.268 $\pm$ 0.060 χ^2 /NDF: 3300830370.5/18
 Left In: 151127.316 $\pm$ 0.053 χ^2 /NDF: 2096478792.7/18
 All: 151020.238 $\pm$ 0.028 χ^2 /NDF: 115894015
 + sign 150934.192 $\pm$ 0.040 χ^2 /NDF: 6182225591.5
 - sign 151107.702 $\pm$ 0.040 χ^2 /NDF: 5397611209.7

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 ± 0.045 χ^2/NDF : 1154088.7/16

Left Out: 198.697 ± 0.036 χ^2/NDF : 618371.1/20

Right Out: 148.418 ± 0.042 χ^2/NDF : 1191577.6/18

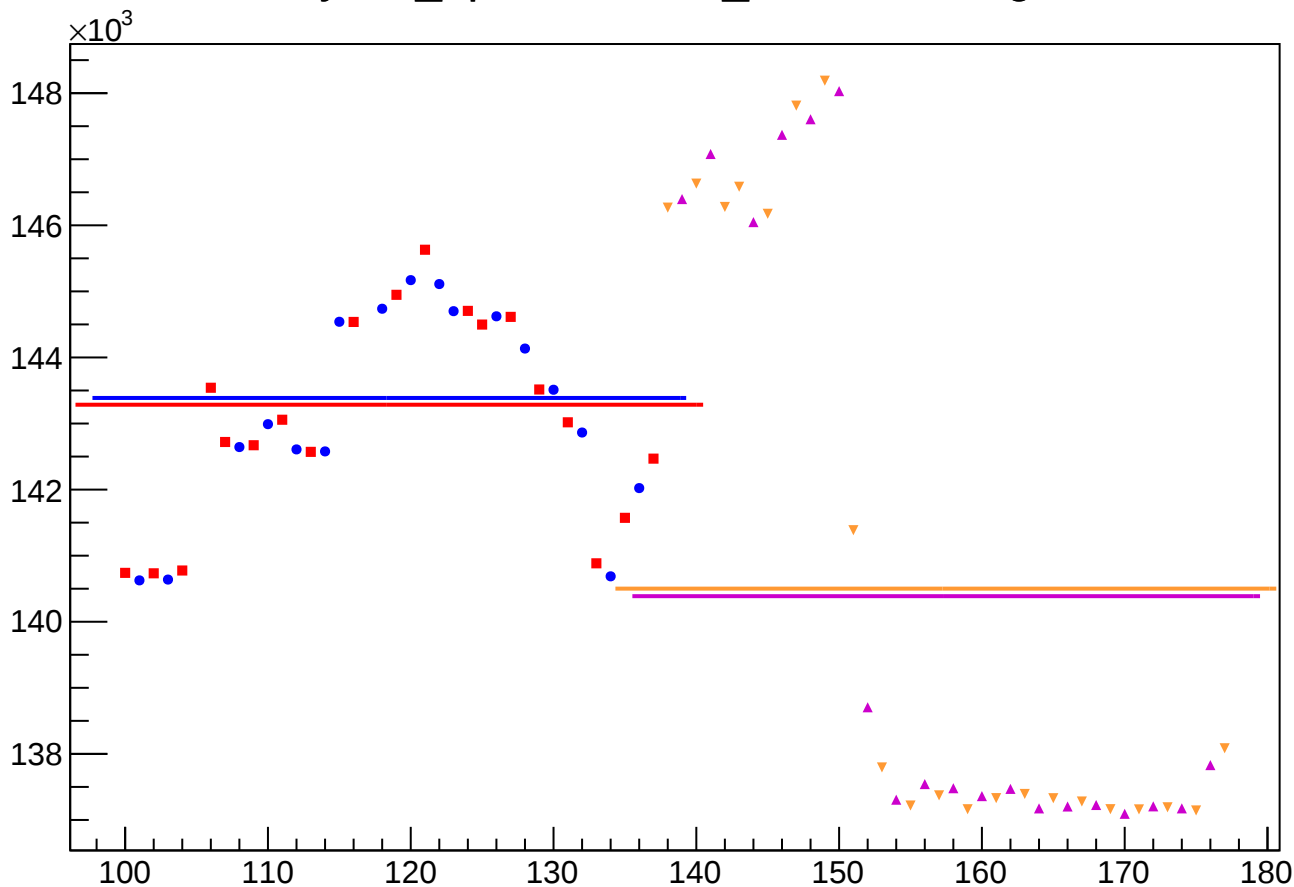
Left In: 201.636 ± 0.038 χ^2/NDF : 567759.9/18

+ sign 180.657 ± 0.028 χ^2/NDF : 2414438.3/37

All: 179.309 ± 0.020 χ^2/NDF : 5060303.8/75

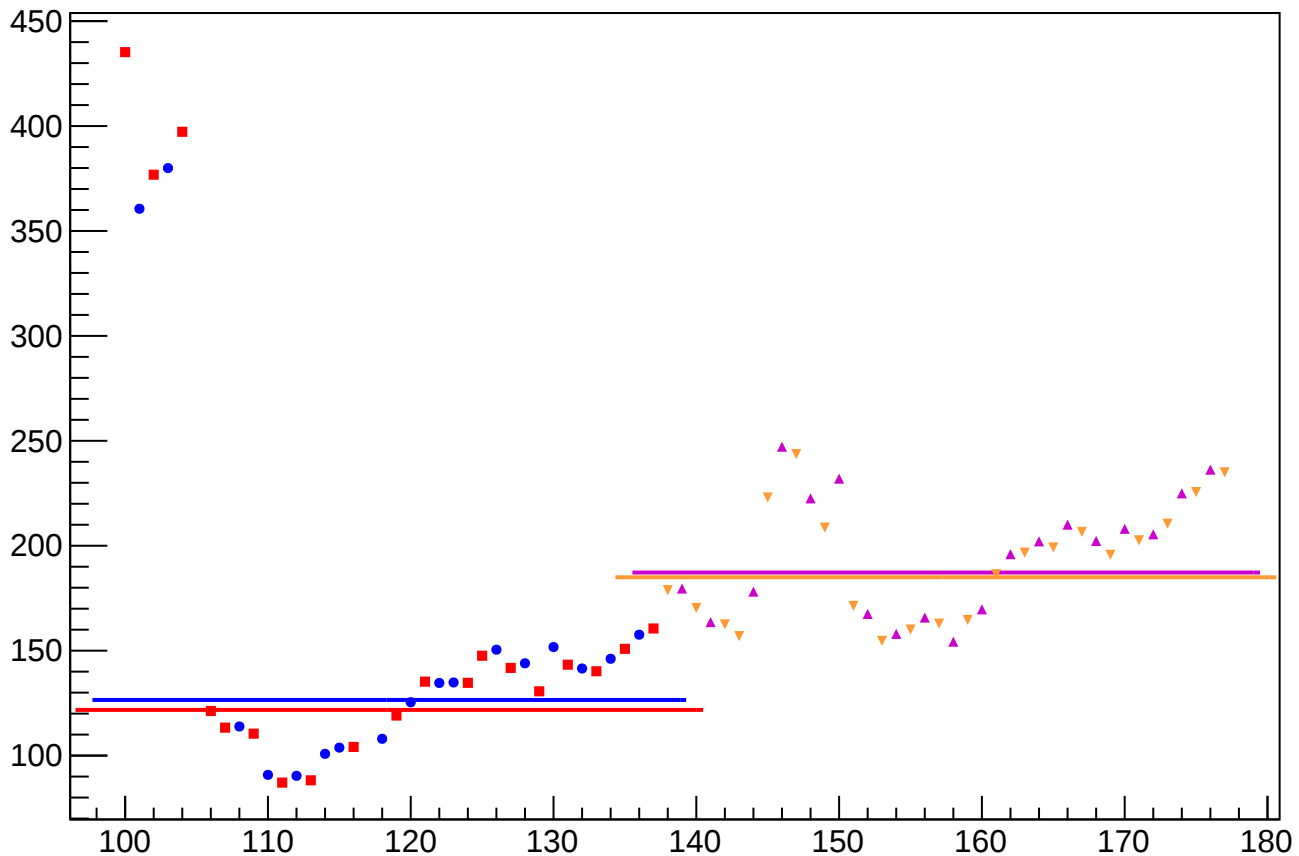
- sign 177.939 ± 0.028 χ^2/NDF : 2641168.9/37

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099+/-0.053	χ^2/NDF : 521299875.7/16	+ sign 141786.198+/-0.035	χ^2/NDF : 10550126521.1
Left Out: 140501.307+/-0.047	χ^2/NDF : 8366888295.0/20	All: 141820.388+/-0.025	χ^2/NDF : 206883665.0
Right Out: 143284.757+/-0.049	χ^2/NDF : 608634820.1/18	- sign 141854.106+/-0.035	χ^2/NDF : 10136364155.8
Left In: 140387.042+/-0.050	χ^2/NDF : 7808182698.8/18		

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 184.958 $\pm$ 0.033 χ^2 /NDF: 576651.5/20

Right Out: 121.772 $\pm$ 0.035 χ^2 /NDF: 1463829.4/18

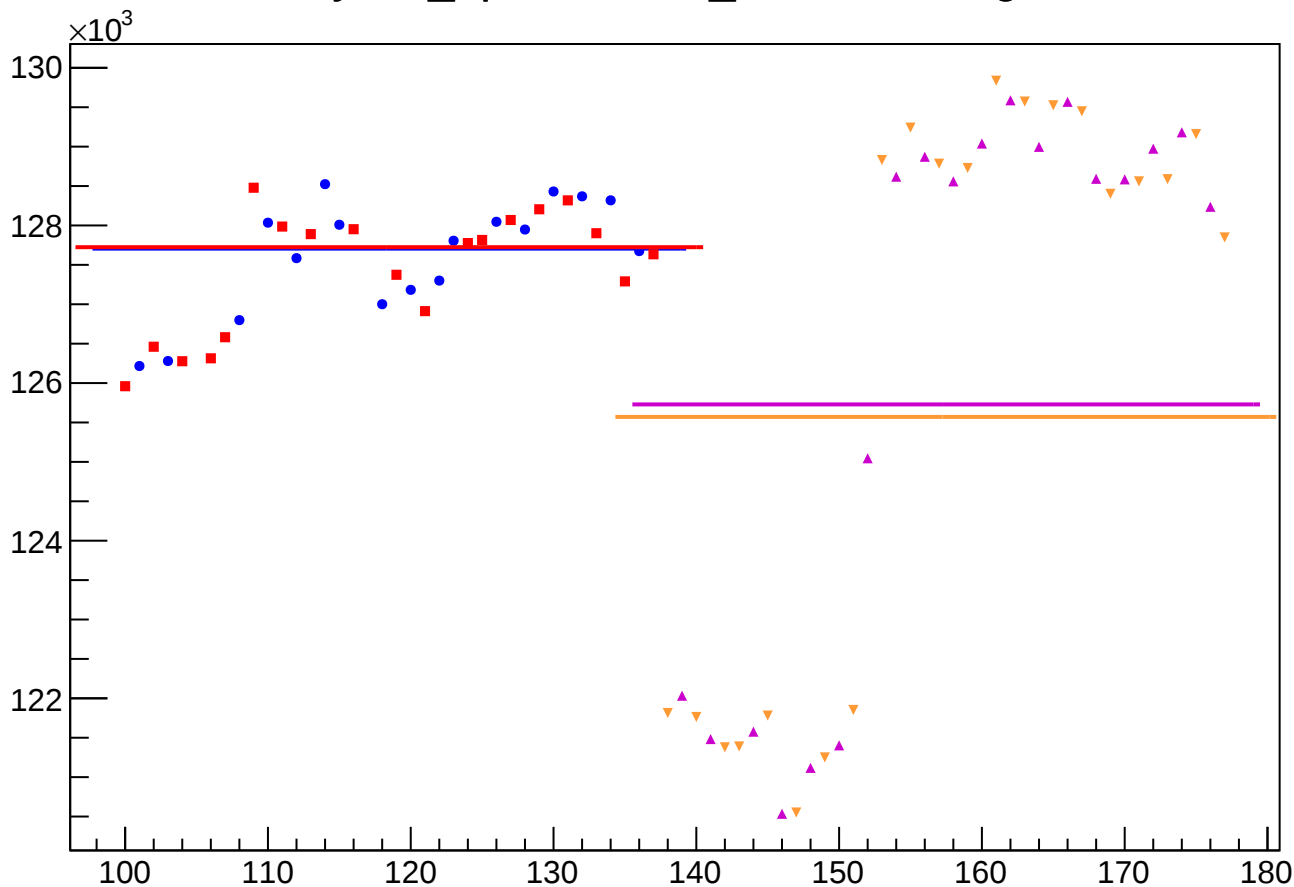
Left In: 187.239 $\pm$ 0.035 χ^2 /NDF: 596472.0/18

+ sign 158.936 $\pm$ 0.025 χ^2 /NDF: 3381655.9/37

All: 156.498 $\pm$ 0.018 χ^2 /NDF: 7216437.3/75

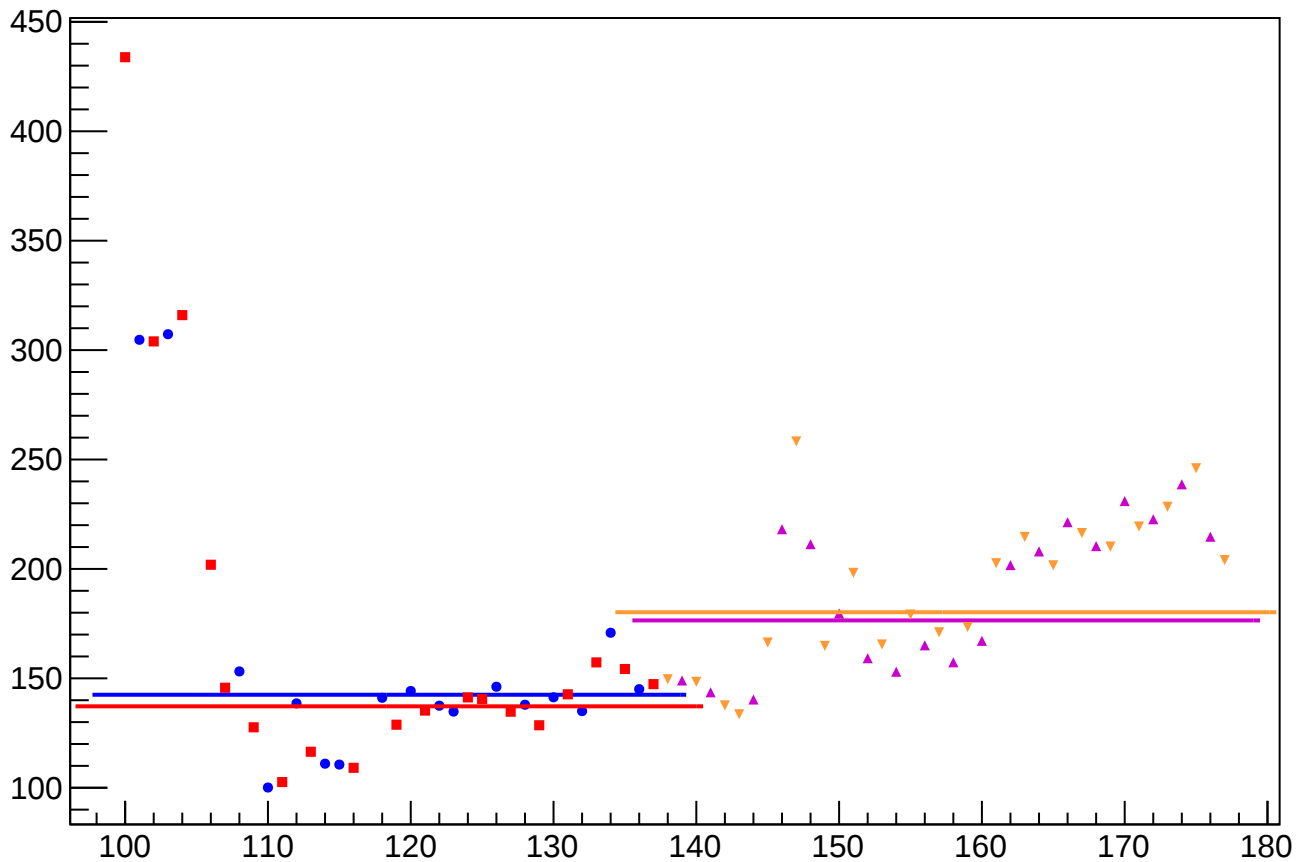
- sign 154.094 $\pm$ 0.025 χ^2 /NDF: 3815709.1/37

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194+/-0.058	χ^2/NDF : 97860521.1/16	+ sign 126406.896+/-0.036	χ^2/NDF : 7269776289.4
Left Out: 125570.719+/-0.047	χ^2/NDF : 6348801381.7/20	All: 126497.820+/-0.025	χ^2/NDF : 137363454
Right Out: 127724.256+/-0.055	χ^2/NDF : 112614317.2/18	- sign 126585.747+/-0.036	χ^2/NDF : 6454248732.5/18
Left In: 125729.307+/-0.047	χ^2/NDF : 5577717983.9/18		

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 180.215 $\pm$ 0.033 χ^2 /NDF: 960420.6/20

Right Out: 137.211 $\pm$ 0.039 χ^2 /NDF: 957317.1/18

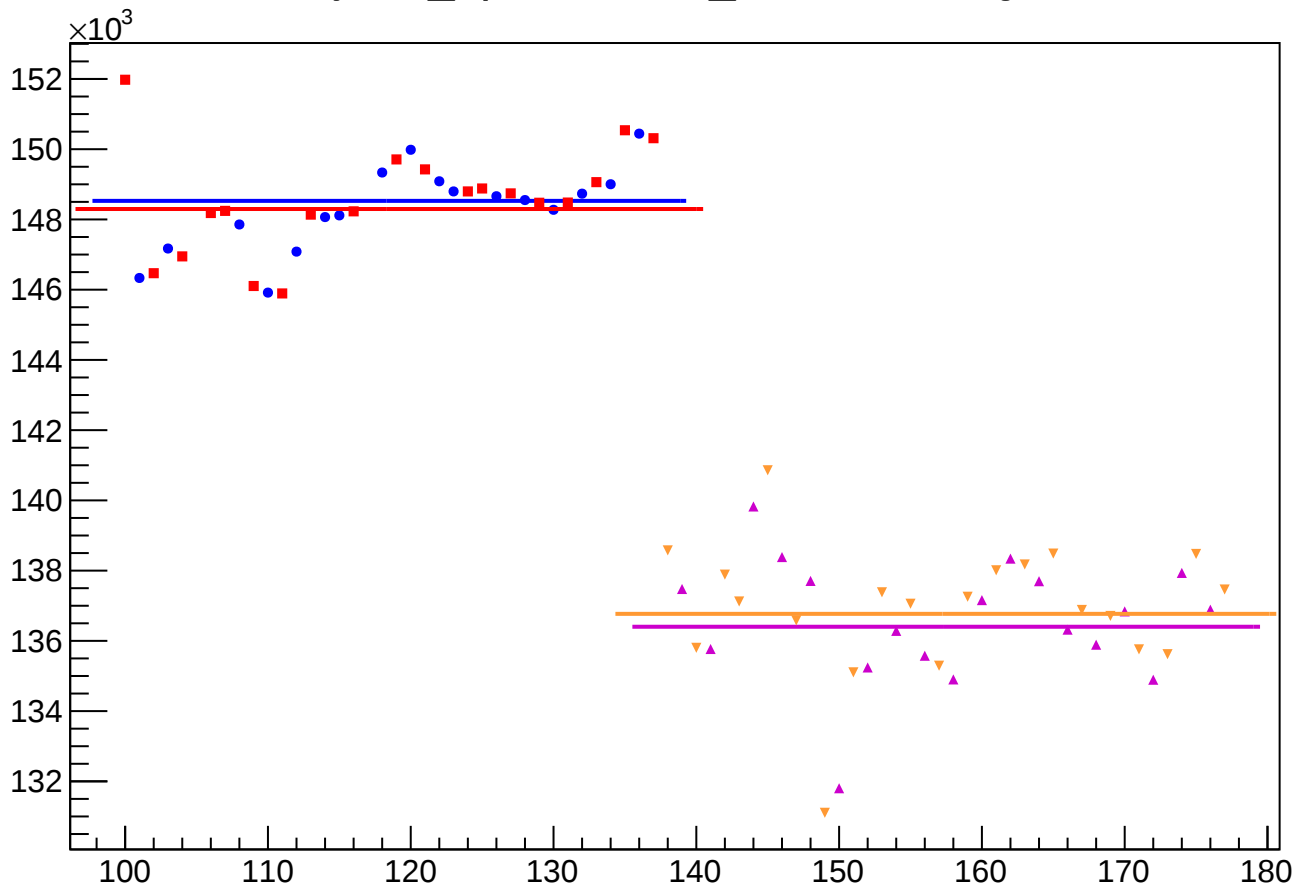
Left In: 176.470 $\pm$ 0.033 χ^2 /NDF: 869087.7/18

+ sign 165.448 $\pm$ 0.026 χ^2 /NDF: 2310118.3/37

All: 162.483 $\pm$ 0.018 χ^2 /NDF: 4754397.0/75

- sign 159.616 $\pm$ 0.025 χ^2 /NDF: 2418086.0/37

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 $\pm$ 0.082 χ^2/NDF : 209986594.2/16

Left Out: 136769.275 $\pm$ 0.069 χ^2/NDF : 869111805.0/20

Right Out: 148297.126 $\pm$ 0.076 χ^2/NDF : 293244556.5/18

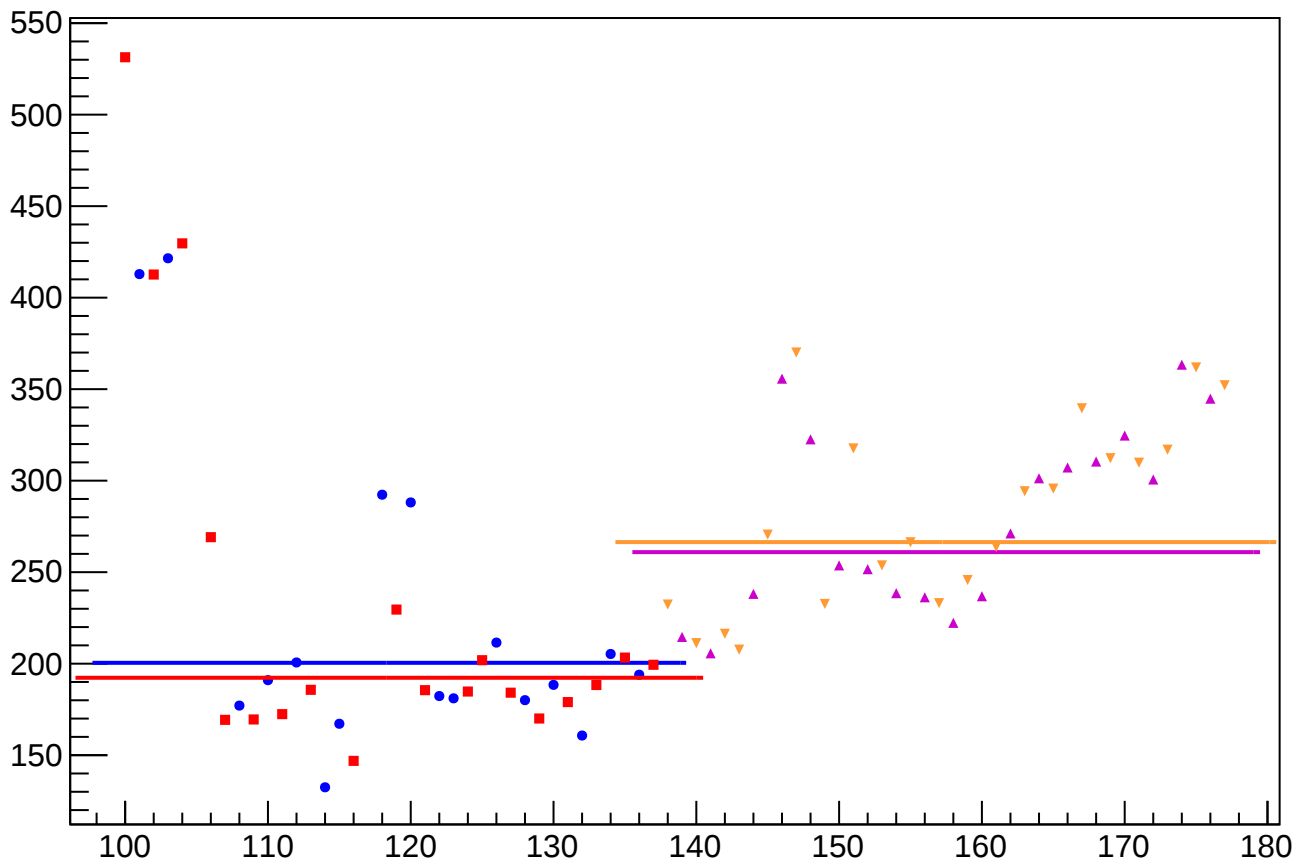
Left In: 136402.152 $\pm$ 0.070 χ^2/NDF : 673296870.4/18

+ sign 141605.435 $\pm$ 0.053 χ^2/NDF : 13166567533.

All: 141706.657 $\pm$ 0.037 χ^2/NDF : 273696523

- sign 141803.539 $\pm$ 0.051 χ^2/NDF : 14195845750.8

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 266.438 $\pm$ 0.049 χ^2 /NDF:932155.9/20

Right Out: 192.304 $\pm$ 0.054 χ^2 /NDF: 844504.1/18

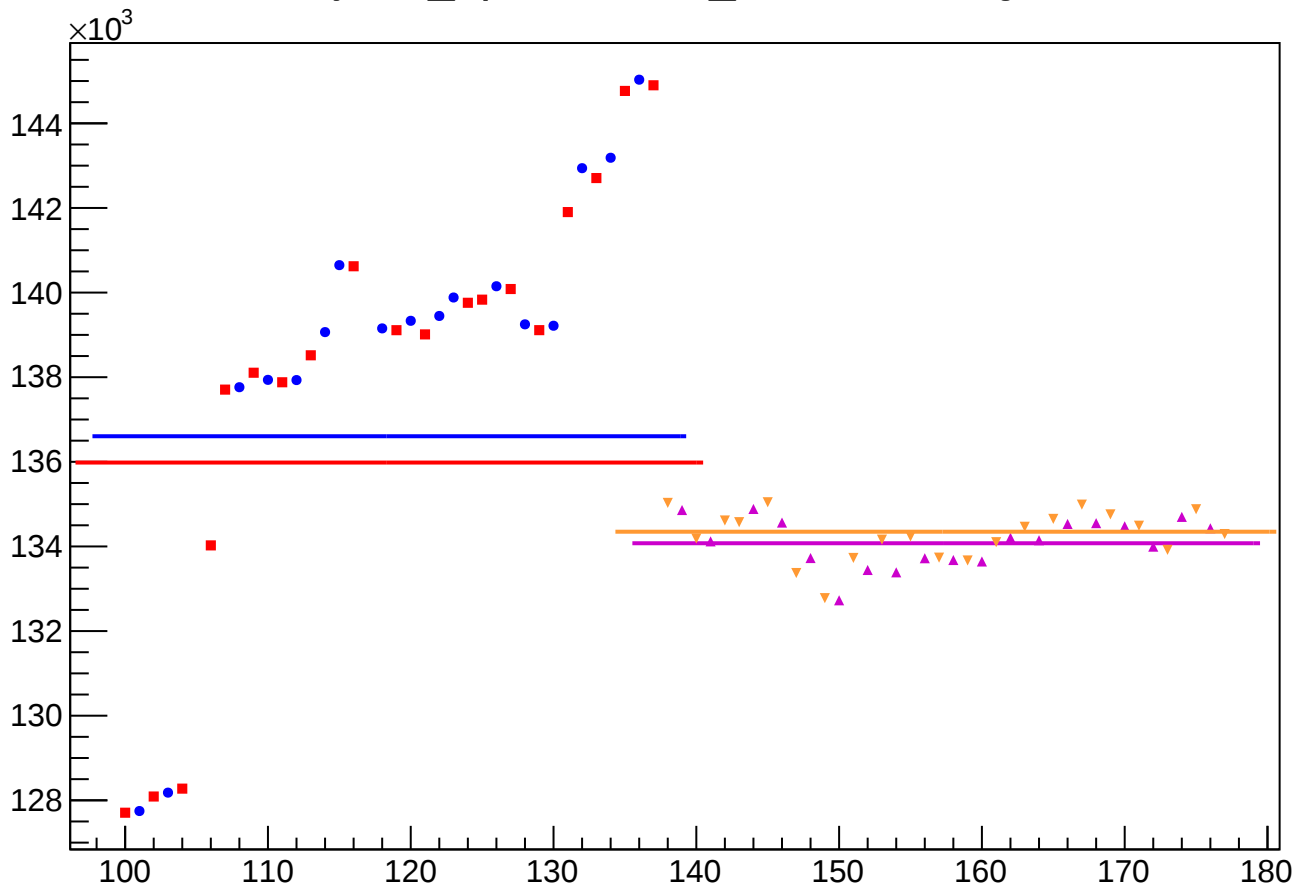
Left In: 260.947 $\pm$ 0.049 χ^2 /NDF:844609.1/18

+ sign 239.309 $\pm$ 0.037 χ^2 /NDF: 2629413.8/37

All: 234.439 $\pm$ 0.026 χ^2 /NDF: 5233162.0/75

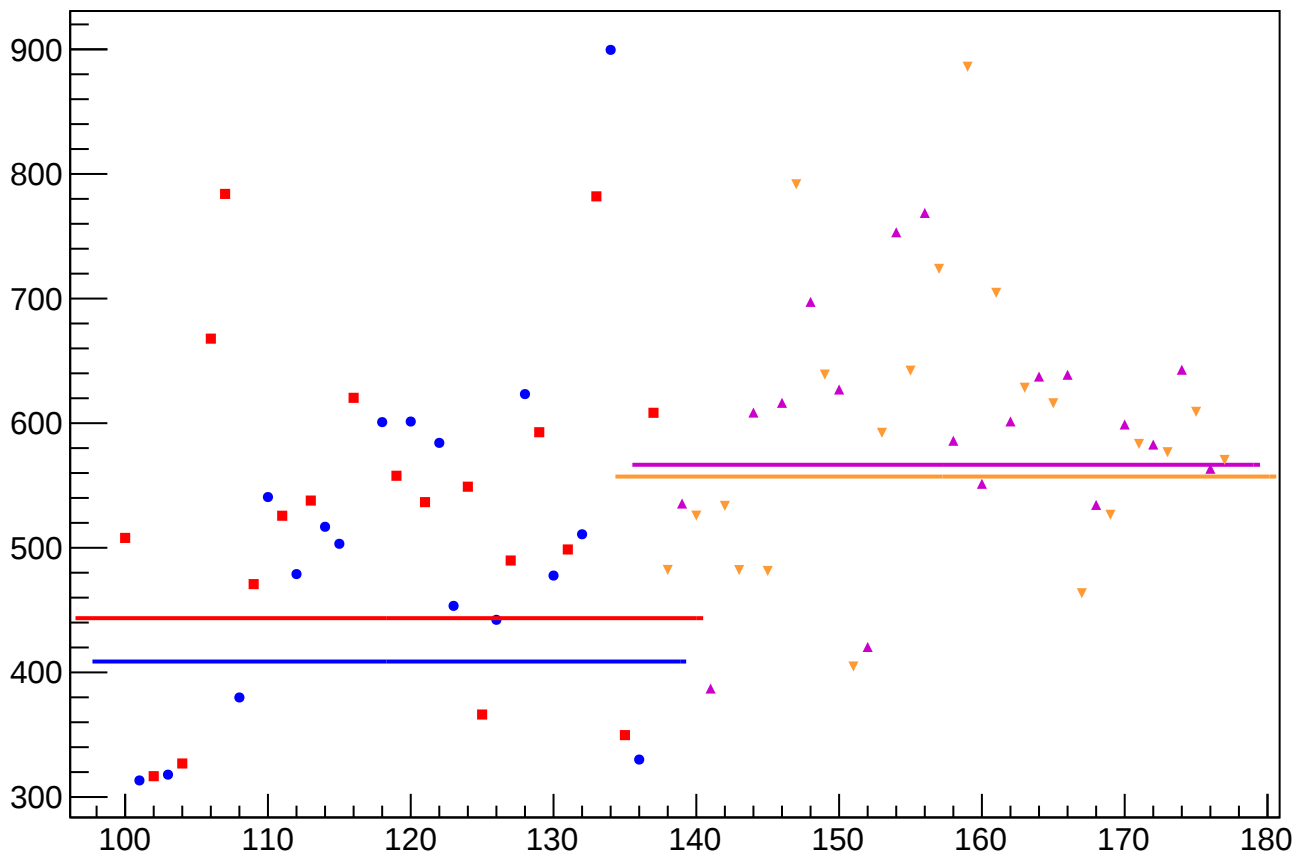
- sign 229.777 $\pm$ 0.036 χ^2 /NDF: 2570226.8/37

yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171	χ^2 /NDF: 1494354557.3/16	+ sign 135325.285 $\pm$ 0.113	χ^2 /NDF: 1606882230.0
Left Out: 134348.257 $\pm$ 0.150	χ^2 /NDF: 14311740.8/20	All: 135129.541 $\pm$ 0.082	χ^2 /NDF: 276912673
Right Out: 135982.842 $\pm$ 0.183	χ^2 /NDF: 1082431147.9/18	- sign 134906.055 $\pm$ 0.121	χ^2 /NDF: 1155796448.2/18
Left In: 134075.710 $\pm$ 0.160	χ^2 /NDF: 11831773.8/18		

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 $\pm$ 0.121 χ^2 /NDF: 823262.8/16

Left Out: 557.163 $\pm$ 0.106 χ^2 /NDF: 902257.7/20

Right Out: 443.521 $\pm$ 0.129 χ^2 /NDF: 917492.4/18

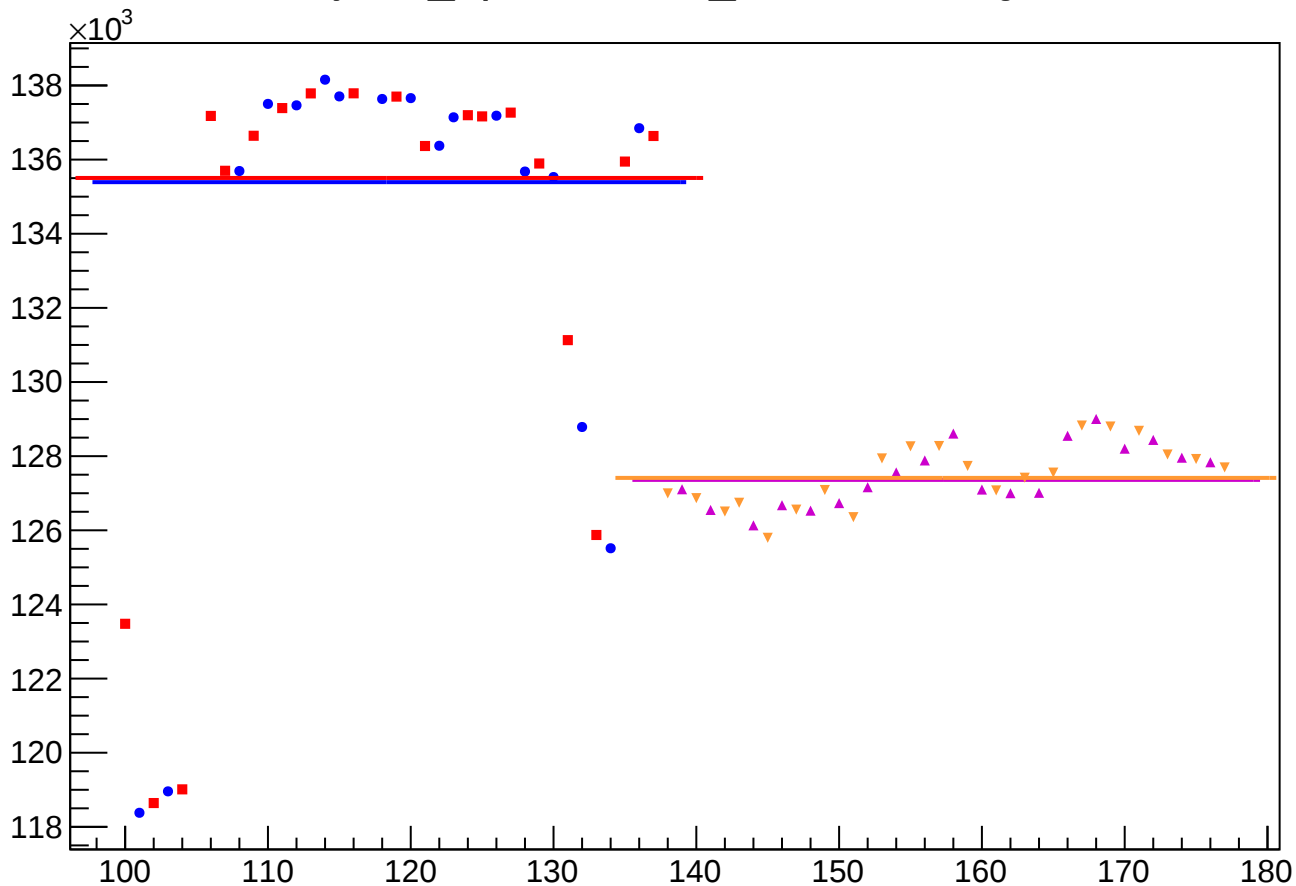
Left In: 566.618 $\pm$ 0.113 χ^2 /NDF: 768761.2/18

+ sign 492.890 $\pm$ 0.080 χ^2 /NDF: 2575592.2/37

All: 502.290 $\pm$ 0.058 χ^2 /NDF: 4804296.4/75

- sign 513.023 $\pm$ 0.085 χ^2 /NDF: 2198963.6/37

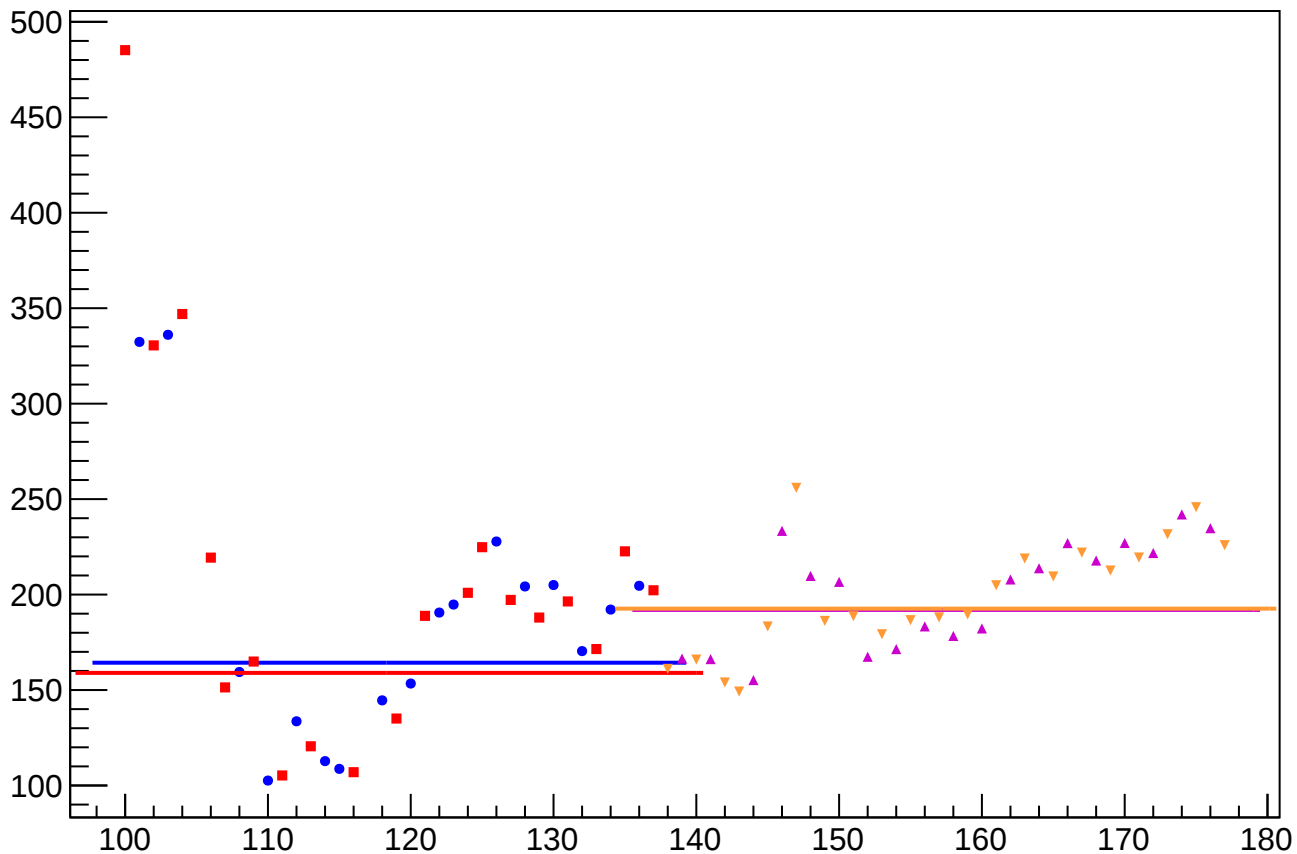
yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16
 Left Out: 127413.710 $\pm$ 0.049 χ^2 /NDF: 279805164.6/20
 Right Out: 135504.836 $\pm$ 0.064 χ^2 /NDF: 4730667469.8/18
 Left In: 127360.062 $\pm$ 0.051 χ^2 /NDF: 252588851.2/18

+ sign 130151.001 $\pm$ 0.040 χ^2 /NDF: 13831402336.
 All: 130326.264 $\pm$ 0.028 χ^2 /NDF: 286814573.
 - sign 130501.563 $\pm$ 0.040 χ^2 /NDF: 14811628348.5

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 ± 0.048 χ^2/NDF : 1230487.8/16

Left Out: 192.631 ± 0.035 χ^2/NDF : 621114.1/20

Right Out: 158.977 ± 0.046 χ^2/NDF : 1384059.2/18

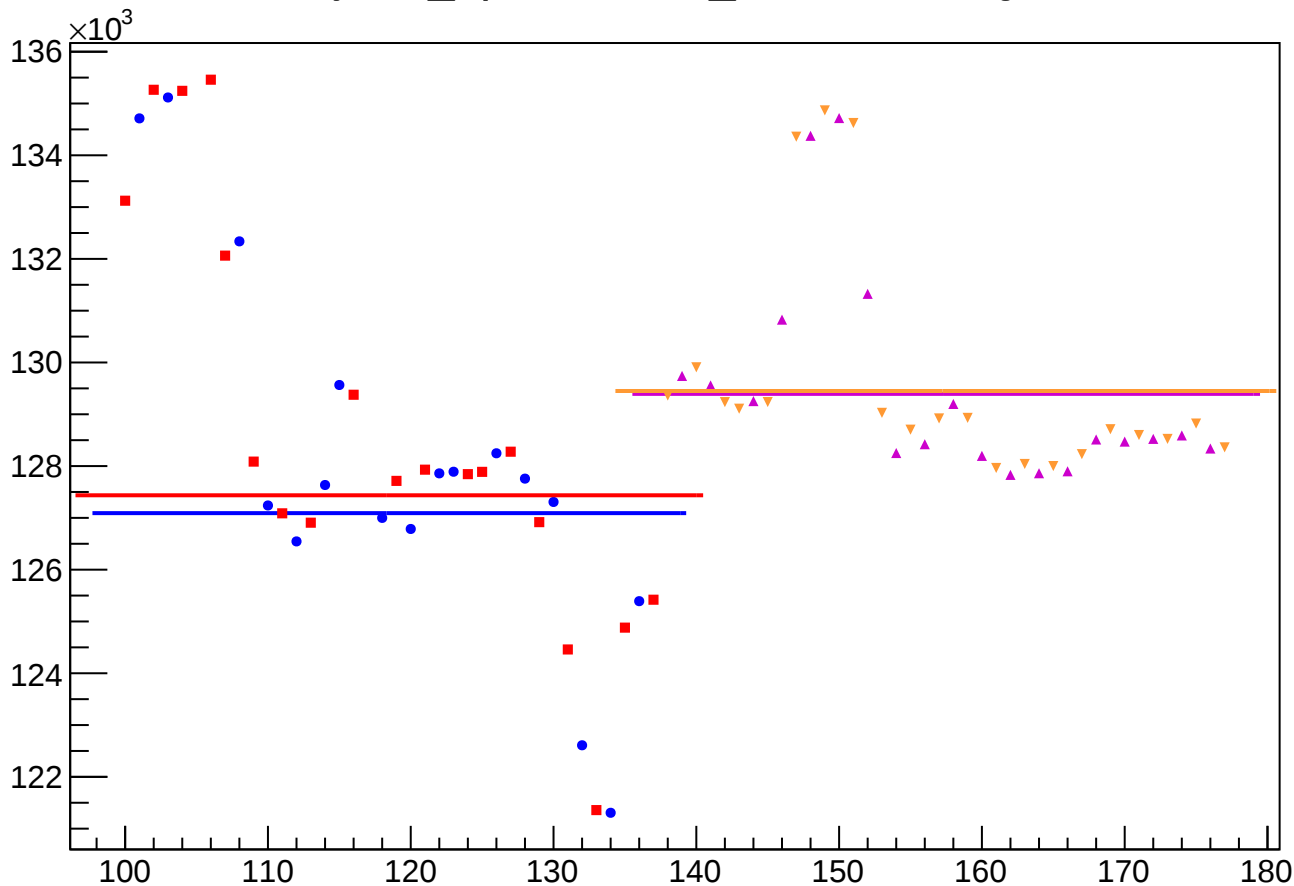
Left In: 191.966 ± 0.036 χ^2/NDF : 555963.4/18

+ sign 182.914 ± 0.028 χ^2/NDF : 2077703.6/37

All: 181.078 ± 0.020 χ^2/NDF : 4348622.8/75

- sign 179.242 ± 0.028 χ^2/NDF : 2262488.8/37

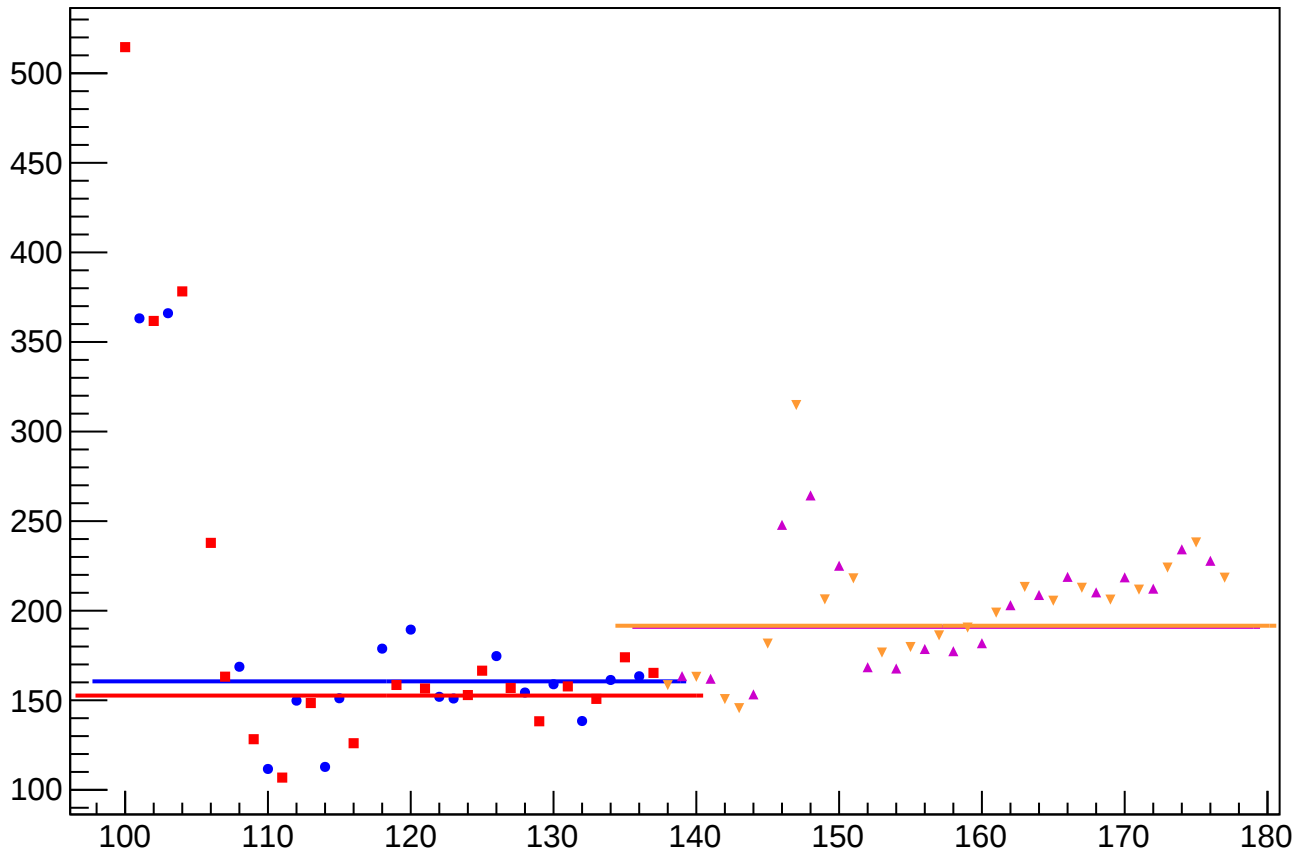
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 $\pm$ 0.066 χ^2 /NDF: 1717208780.6/16
 Left Out: 129449.541 $\pm$ 0.049 χ^2 /NDF: 1394862701.8/20
 Right Out: 127436.101 $\pm$ 0.062 χ^2 /NDF: 2079075713.9/18
 Left In: 129394.031 $\pm$ 0.051 χ^2 /NDF: 1150679688.6/18

+ sign 128610.387 $\pm$ 0.040 χ^2 /NDF: 3926782571.6
 All: 128604.462 $\pm$ 0.028 χ^2 /NDF: 775750711.6
 - sign 128598.634 $\pm$ 0.039 χ^2 /NDF: 3830680033.6/18

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 ± 0.047 χ^2/NDF : 942747.0/16

Left Out: 191.611 ± 0.035 χ^2/NDF : 767255.3/20

Right Out: 152.629 ± 0.044 χ^2/NDF : 1086504.4/18

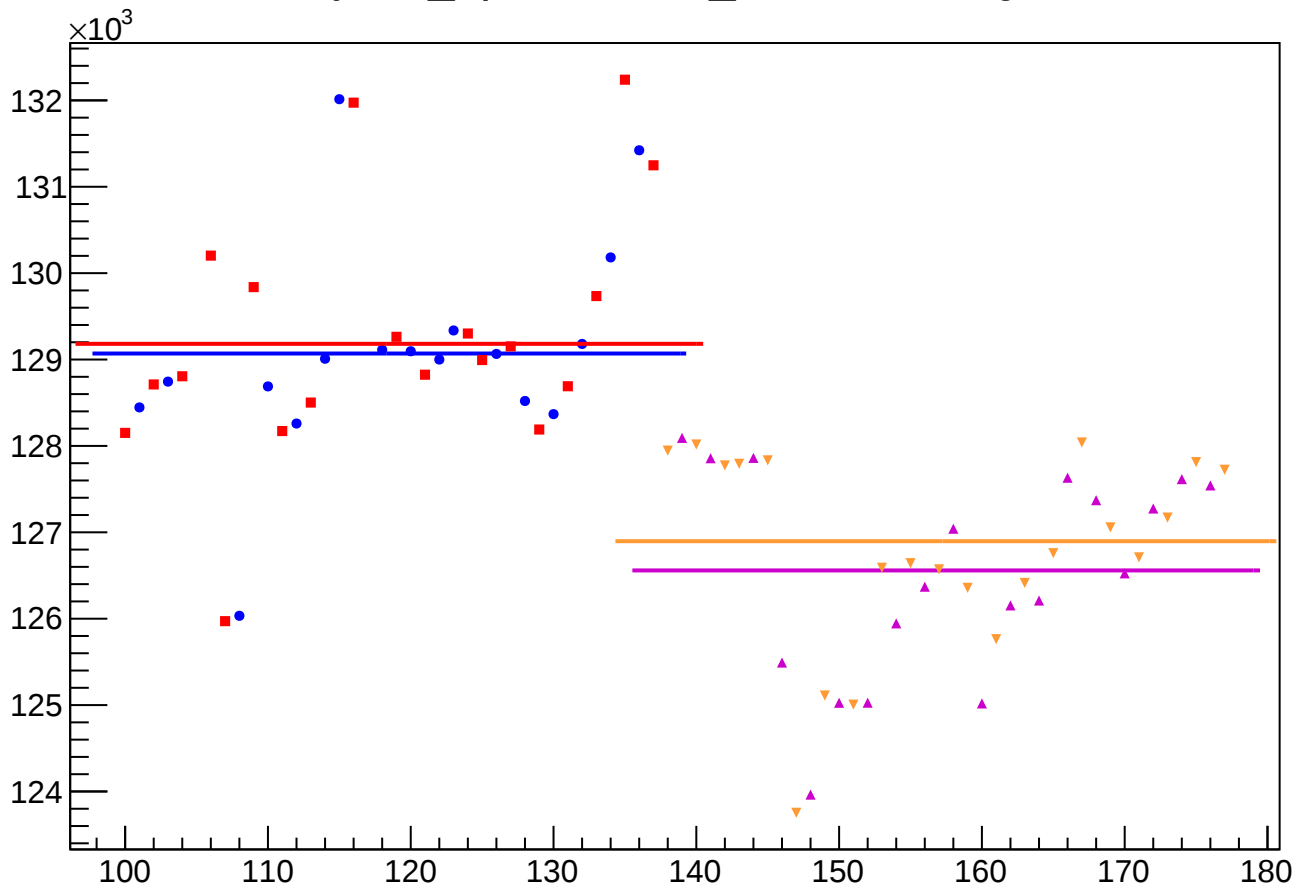
Left In: 190.973 ± 0.036 χ^2/NDF : 689280.1/18

+ sign 180.562 ± 0.028 χ^2/NDF : 1992471.1/37

All: 177.958 ± 0.020 χ^2/NDF : 4246402.9/75

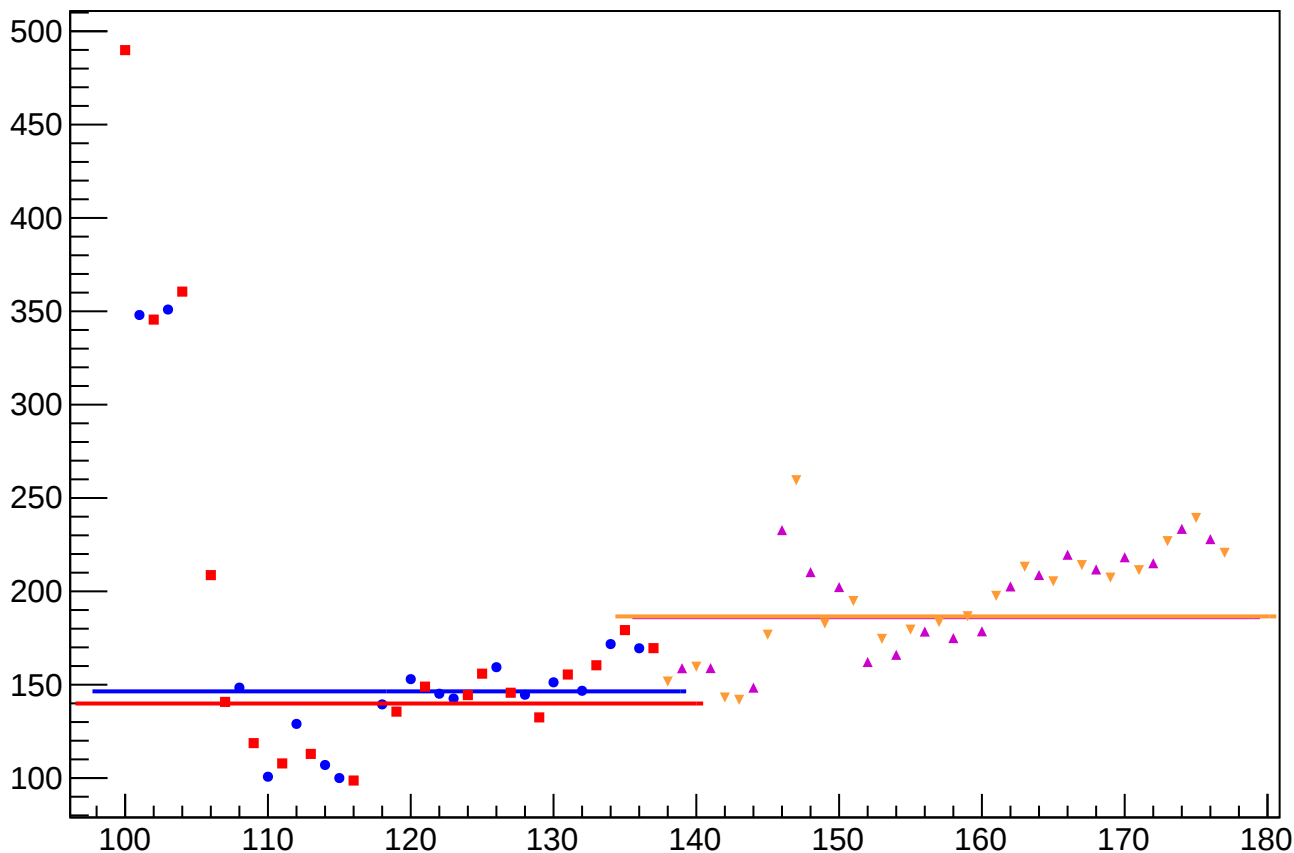
- sign 175.396 ± 0.028 χ^2/NDF : 2236726.4/37

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 $\pm$ 0.060	χ^2 /NDF: 476692316.5/16	+ sign 127739.503 $\pm$ 0.037	χ^2 /NDF: 1763630550.2
Left Out: 126897.244 $\pm$ 0.048	χ^2 /NDF: 488779481.2/20	All: 127723.481 $\pm$ 0.026	χ^2 /NDF: 420162111
Right Out: 129181.887 $\pm$ 0.056	χ^2 /NDF: 625597399.6/18	- sign 127707.751 $\pm$ 0.037	χ^2 /NDF: 2437628128.5/
Left In: 126558.807 $\pm$ 0.050	χ^2 /NDF: 583018648.7/18		

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 ± 0.043 $\chi^2/\text{NDF}: 1064791.0/16$

Left Out: 186.573 ± 0.034 $\chi^2/\text{NDF}: 729746.1/20$

Right Out: 139.929 ± 0.040 $\chi^2/\text{NDF}: 1203570.9/18$

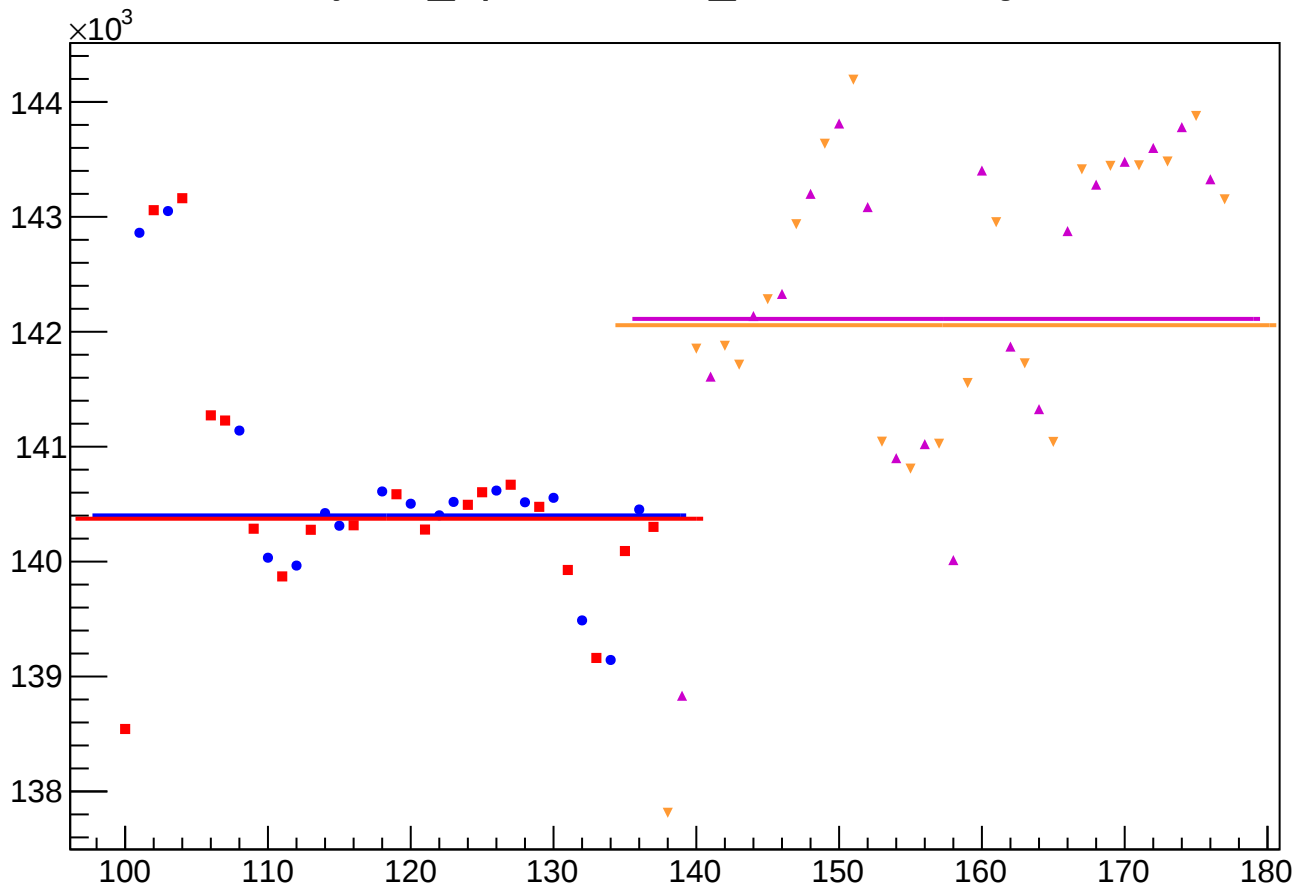
Left In: 186.162 ± 0.035 $\chi^2/\text{NDF}: 606968.5/18$

+ sign 171.013 ± 0.026 $\chi^2/\text{NDF}: 2339416.4/37$

All: 168.439 ± 0.019 $\chi^2/\text{NDF}: 4932270.3/75$

- sign 165.911 ± 0.026 $\chi^2/\text{NDF}: 2574145.5/37$

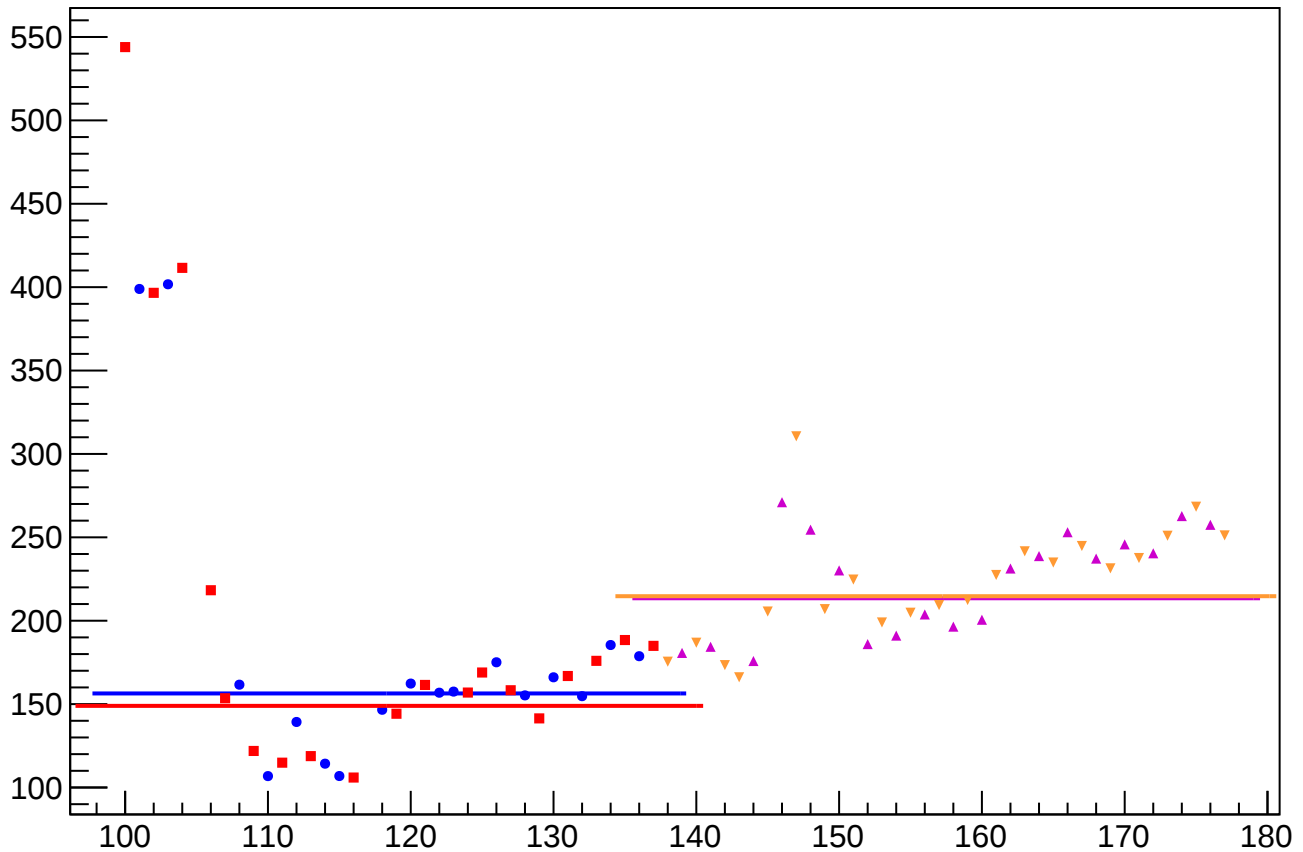
yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16
 Left Out: 142057.166 $\pm$ 0.055 χ^2 /NDF: 789368381.0/20
 Right Out: 140373.163 $\pm$ 0.060 χ^2 /NDF: 99854533.3/18
 Left In: 142111.975 $\pm$ 0.057 χ^2 /NDF: 620974107.5/18

+ sign 141357.082 $\pm$ 0.042 χ^2 /NDF: 1259215586.4
 All: 141322.044 $\pm$ 0.029 χ^2 /NDF: 242554058
 - sign 141288.087 $\pm$ 0.041 χ^2 /NDF: 1164944676.7/18

yield_bpm0l07WS_rms vs Slug



Right In: 156.394 $\pm$ 0.046 χ^2 /NDF: 1154804.2/16

Left Out: 214.700 $\pm$ 0.039 χ^2 /NDF: 638911.0/20

Right Out: 148.949 $\pm$ 0.042 χ^2 /NDF: 1307651.5/18

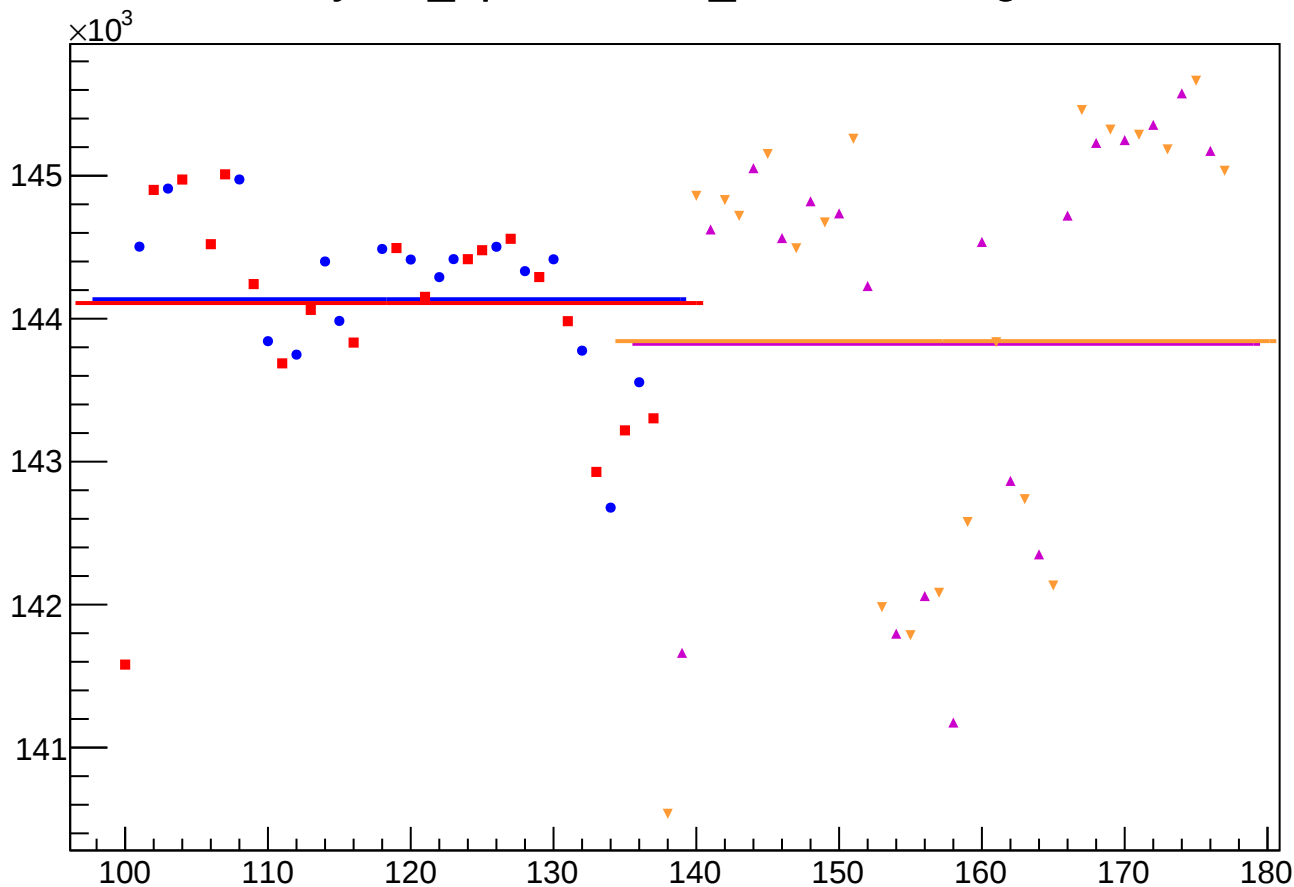
Left In: 213.460 $\pm$ 0.040 χ^2 /NDF: 567035.9/18

+ sign 190.038 $\pm$ 0.030 χ^2 /NDF: 2741238.3/37

All: 186.410 $\pm$ 0.021 χ^2 /NDF: 5868143.0/75

- sign 182.894 $\pm$ 0.029 χ^2 /NDF: 3097304.0/37

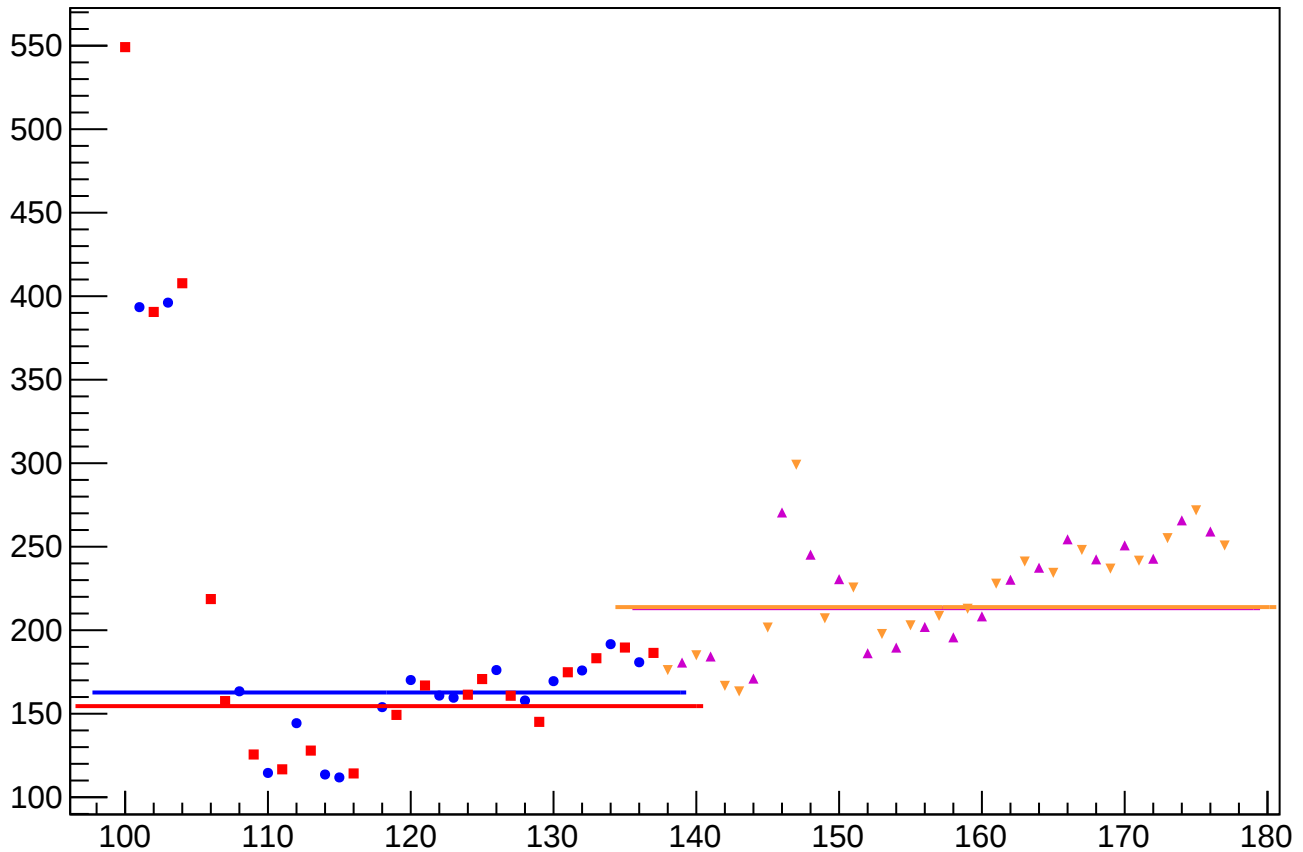
yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 ± 0.067 $\chi^2/\text{NDF}: 47069480.3/16$
 Left Out: 143843.105 ± 0.055 $\chi^2/\text{NDF}: 824468038.1/20$
 Right Out: 144109.419 ± 0.062 $\chi^2/\text{NDF}: 65258627.2/18$
 Left In: 143824.418 ± 0.057 $\chi^2/\text{NDF}: 676955513.6/18$

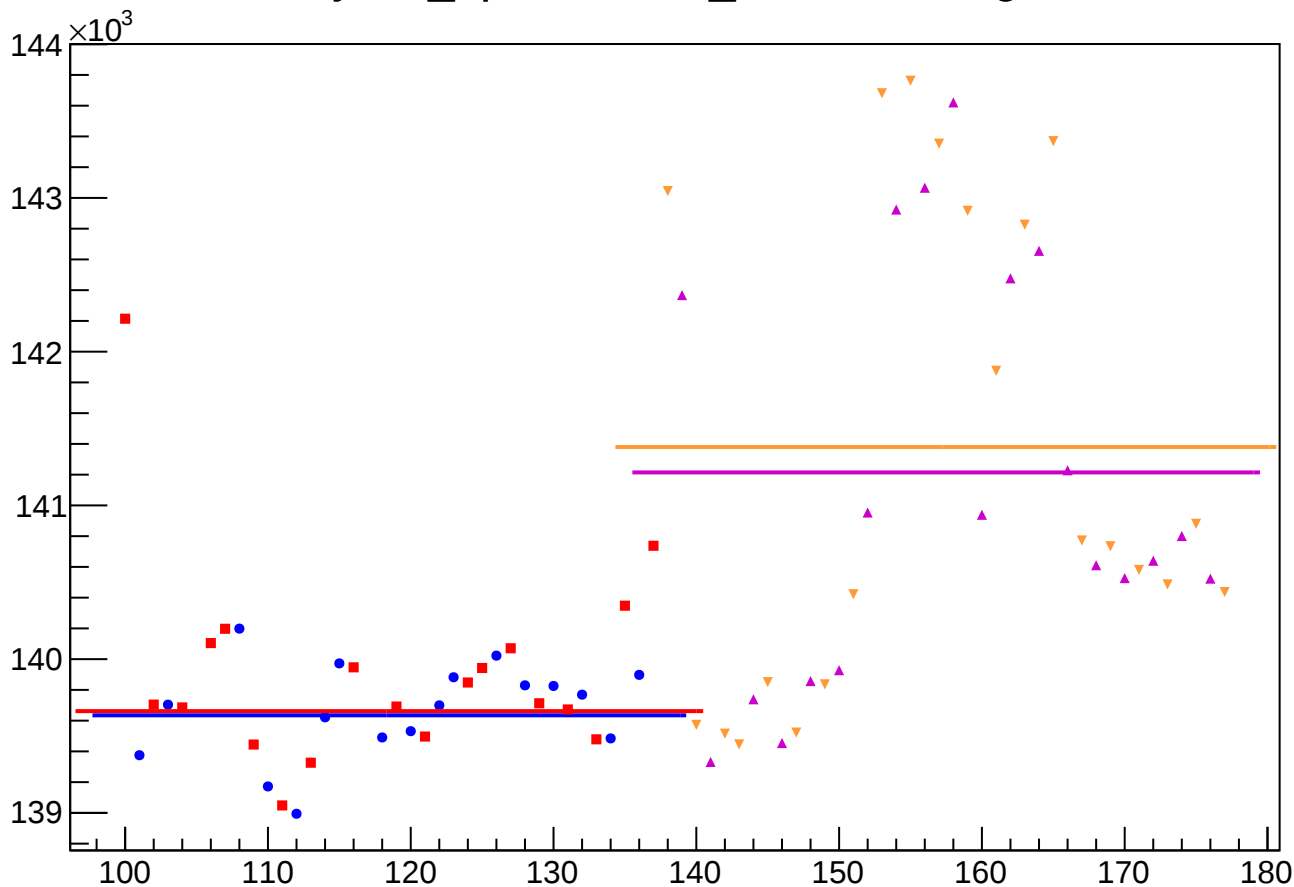
+ sign 143961.280 ± 0.042 $\chi^2/\text{NDF}: 883028799.2/3$
 All: 143957.952 ± 0.030 $\chi^2/\text{NDF}: 163677414$
 - sign 143954.713 ± 0.042 $\chi^2/\text{NDF}: 753733192.9/3$

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 $\pm$ 0.047	χ^2 /NDF: 1066482.0/16	+ sign 193.222 $\pm$ 0.030	χ^2 /NDF: 2456434.5/37
Left Out: 213.843 $\pm$ 0.039	χ^2 /NDF: 690172.8/20	All: 189.758 $\pm$ 0.021	χ^2 /NDF: 5279770.5/75
Right Out: 154.547 $\pm$ 0.044	χ^2 /NDF: 1217495.9/18	- sign 186.387 $\pm$ 0.030	χ^2 /NDF: 2796997.4/37
Left In: 213.203 $\pm$ 0.040	χ^2 /NDF: 603657.5/18		

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 ± 0.068 $\chi^2/\text{NDF}: 24844912.0/16$

Left Out: 141379.807 ± 0.057 $\chi^2/\text{NDF}: 757160353.2/20$

Right Out: 139661.970 ± 0.063 $\chi^2/\text{NDF}: 38372985.0/18$

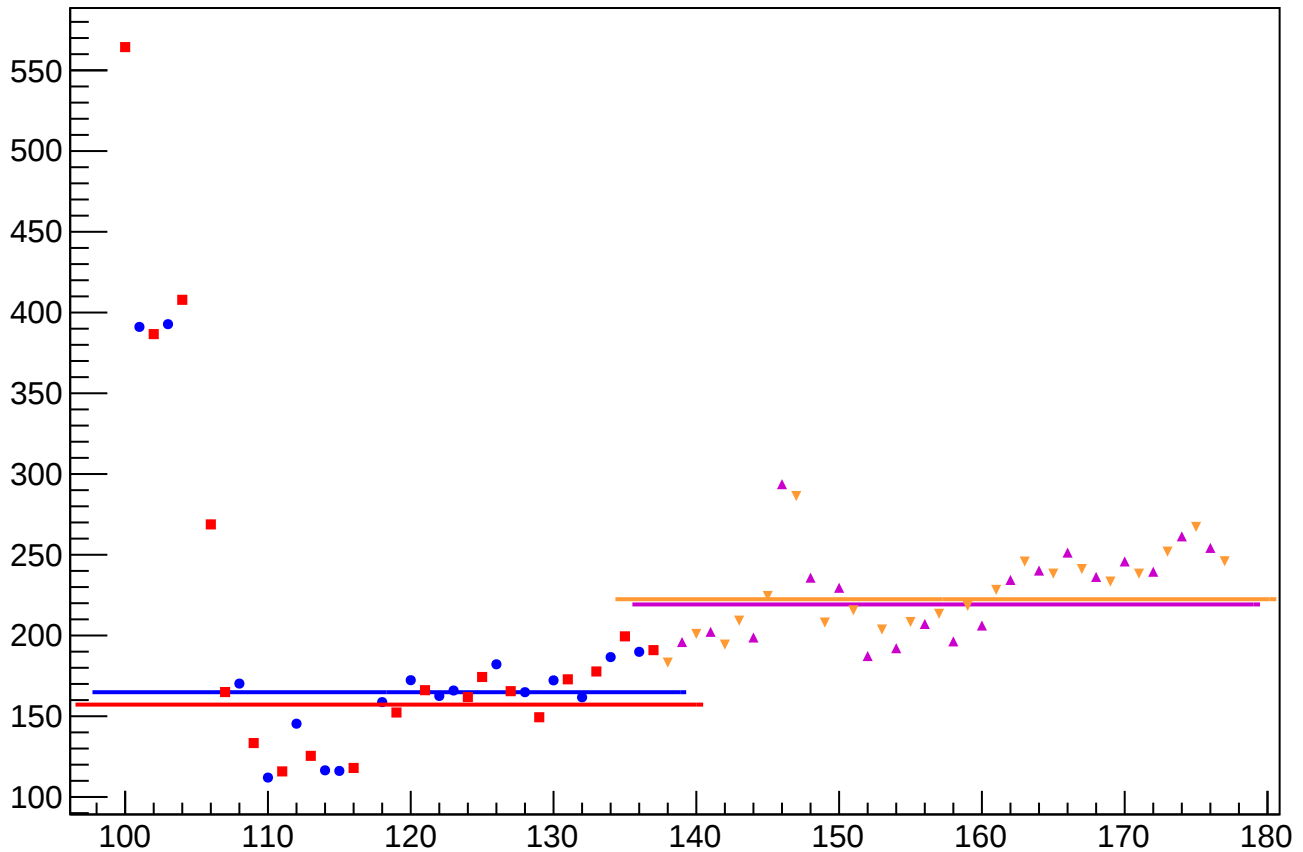
Left In: 141214.549 ± 0.058 $\chi^2/\text{NDF}: 538222243.2/18$

+ sign 140660.843 ± 0.044 $\chi^2/\text{NDF}: 1171834900.6$

All: 140579.133 ± 0.030 $\chi^2/\text{NDF}: 208288222$

- sign 140500.196 ± 0.043 $\chi^2/\text{NDF}: 904111342.8/3$

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 ± 0.048 χ^2/NDF : 1066270.8/16

Left Out: 222.478 ± 0.040 χ^2/NDF : 335678.3/20

Right Out: 157.207 ± 0.045 χ^2/NDF : 1245030.9/18

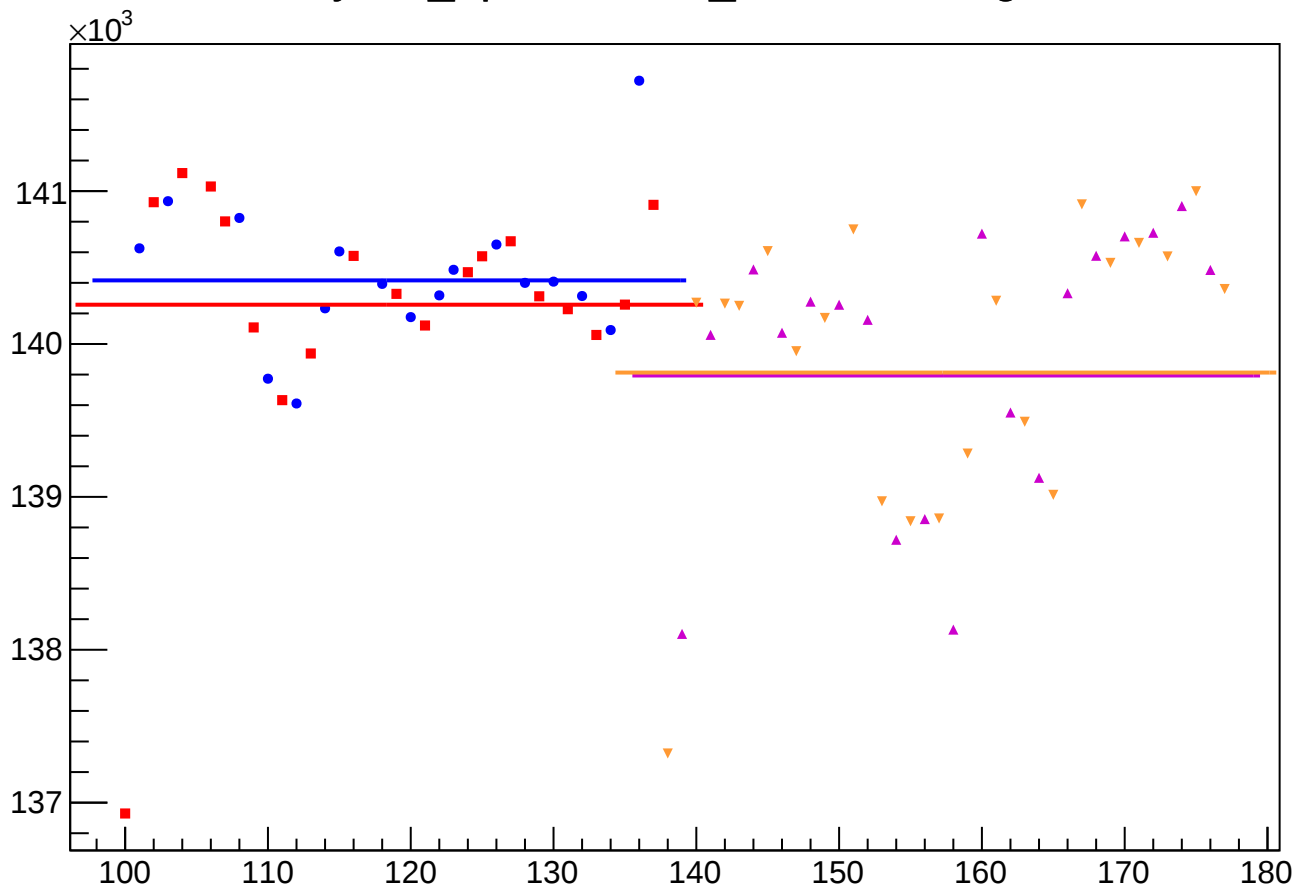
Left In: 219.239 ± 0.041 χ^2/NDF : 408870.7/18

+ sign 198.750 ± 0.031 χ^2/NDF : 2251152.2/37

All: 194.654 ± 0.022 χ^2/NDF : 4985533.8/75

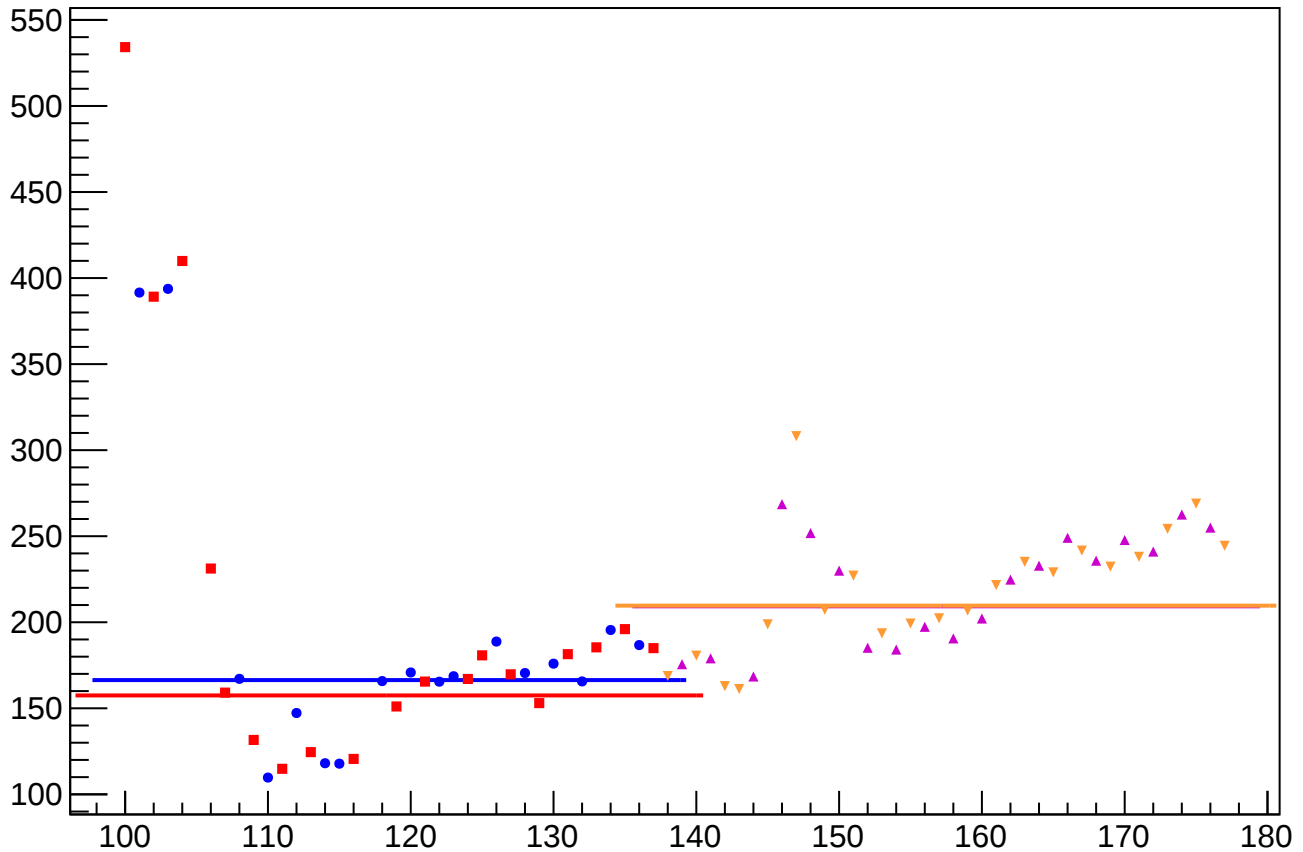
- sign 190.698 ± 0.030 χ^2/NDF : 2699526.1/37

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 $\pm$ 0.068	χ^2 /NDF: 69975821.3/16	+ sign 140043.740 $\pm$ 0.042	χ^2 /NDF: 440191473.3/3
Left Out: 139813.141 $\pm$ 0.054	χ^2 /NDF: 322226120.0/20	All: 140019.945 $\pm$ 0.030	χ^2 /NDF: 778862060.0/10
Right Out: 140256.992 $\pm$ 0.063	χ^2 /NDF: 38063371.4/18	- sign 139996.725 $\pm$ 0.042	χ^2 /NDF: 338045264.2/3
Left In: 139793.993 $\pm$ 0.056	χ^2 /NDF: 269758614.7/18		

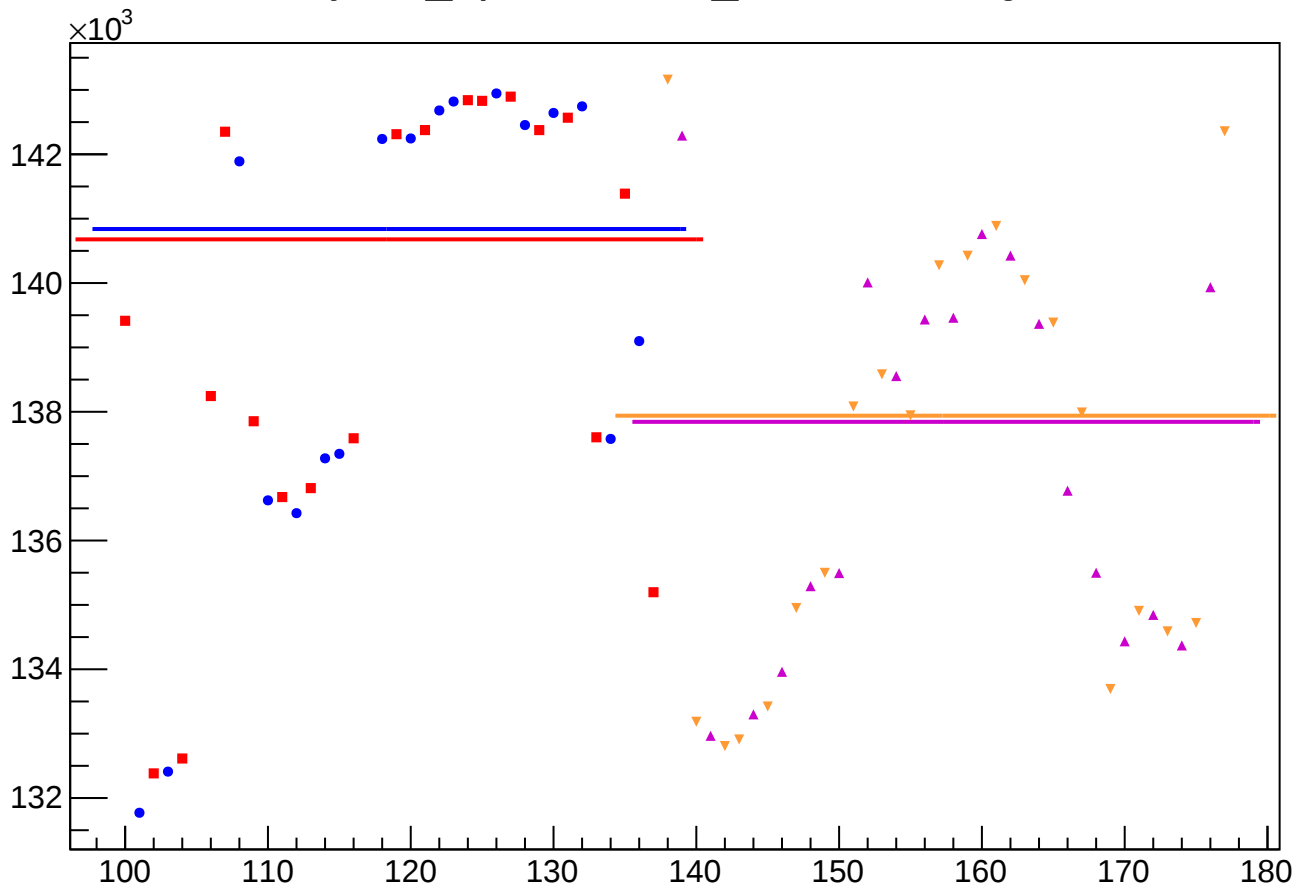
yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 χ^2/NDF : 1080964.8/16
 Left Out: 209.643 ± 0.038 χ^2/NDF : 749301.2/20
 Right Out: 157.475 ± 0.045 χ^2/NDF : 1229886.8/18
 Left In: 209.253 ± 0.039 χ^2/NDF : 649495.1/18

+ sign 193.099 ± 0.030 χ^2/NDF : 2324274.3/37
 All: 189.800 ± 0.021 χ^2/NDF : 4983648.7/75
 - sign 186.581 ± 0.030 χ^2/NDF : 2635335.5/37

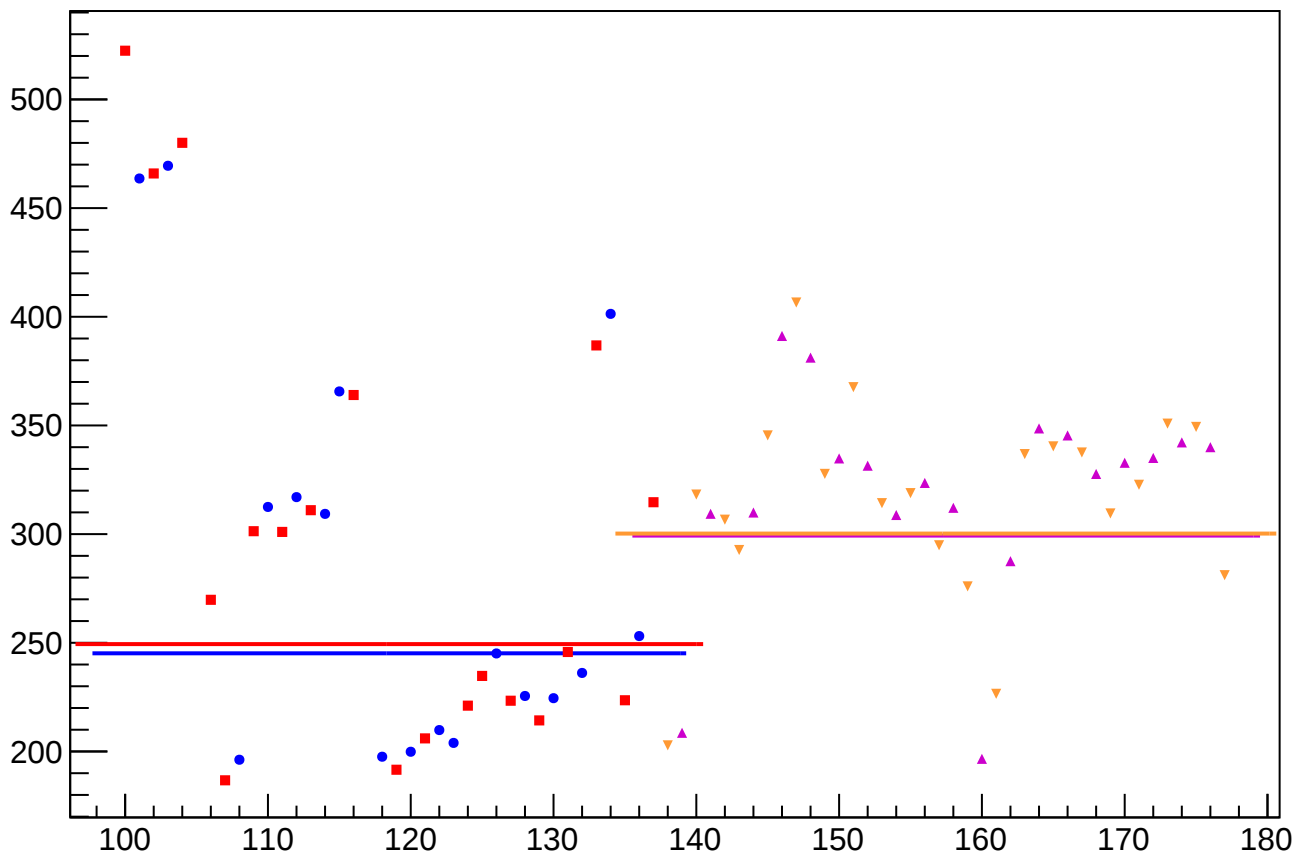
yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 ± 0.100 $\chi^2/\text{NDF}: 822682996.3/16$
 Left Out: 137939.521 ± 0.078 $\chi^2/\text{NDF}: 1961162458.7/20$
 Right Out: 140678.513 ± 0.099 $\chi^2/\text{NDF}: 840695274.4/18$
 Left In: 137843.693 ± 0.081 $\chi^2/\text{NDF}: 1435923765.9/18$

+ sign 139030.316 ± 0.061 $\chi^2/\text{NDF}: 3308209223.1/16$
 All: 139002.731 ± 0.044 $\chi^2/\text{NDF}: 607724437.1/16$
 - sign 138974.023 ± 0.063 $\chi^2/\text{NDF}: 2768622468.4/16$

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 ± 0.071 χ^2/NDF : 869491.6/16

Left Out: 300.250 ± 0.055 χ^2/NDF : 843398.2/20

Right Out: 249.397 ± 0.070 χ^2/NDF : 1009731.2/18

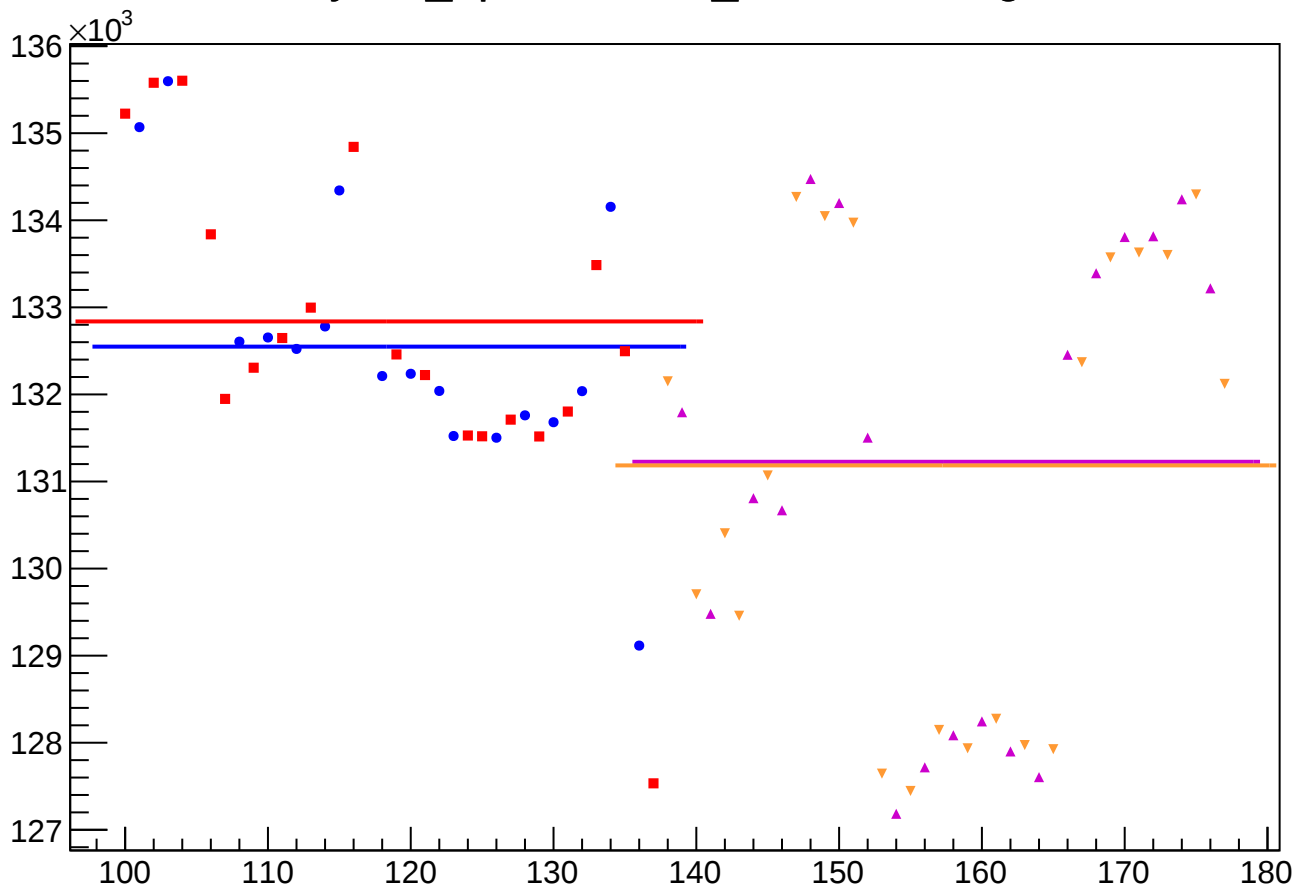
Left In: 299.324 ± 0.057 χ^2/NDF : 1013913.1/18

+ sign 279.526 ± 0.043 χ^2/NDF : 2091464.3/37

All: 279.472 ± 0.031 χ^2/NDF : 4420340.0/75

- sign 279.417 ± 0.044 χ^2/NDF : 2328872.5/37

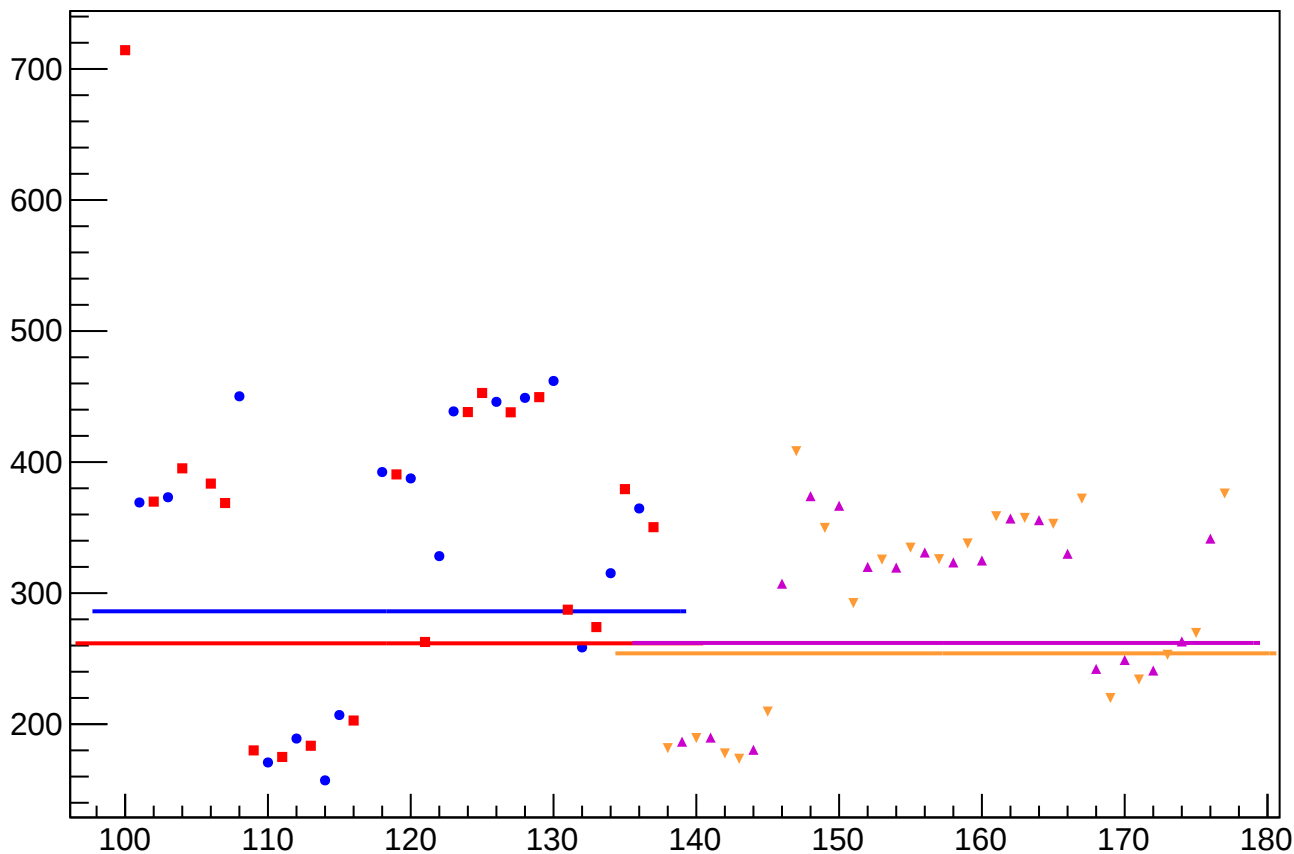
yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 ± 0.119 $\chi^2/\text{NDF}: 161115079.9/16$
 Left Out: 131184.816 ± 0.067 $\chi^2/\text{NDF}: 1158699718.1/20$
 Right Out: 132838.294 ± 0.107 $\chi^2/\text{NDF}: 149611447.6/18$
 Left In: 131226.386 ± 0.071 $\chi^2/\text{NDF}: 1045390743.1/18$

+ sign 131512.836 ± 0.059 $\chi^2/\text{NDF}: 1418993659.5$
 All: 131616.044 ± 0.042 $\chi^2/\text{NDF}: 277712677$
 - sign 131722.347 ± 0.059 $\chi^2/\text{NDF}: 1351822655.7$

yield_bpm0r05WS_rms vs Slug



Right In: 286.122 $\pm$ 0.084 χ^2 /NDF: 1525266.4/16

Left Out: 254.039 $\pm$ 0.047 χ^2 /NDF: 2313941.0/20

Right Out: 261.686 $\pm$ 0.076 χ^2 /NDF: 1623174.1/18

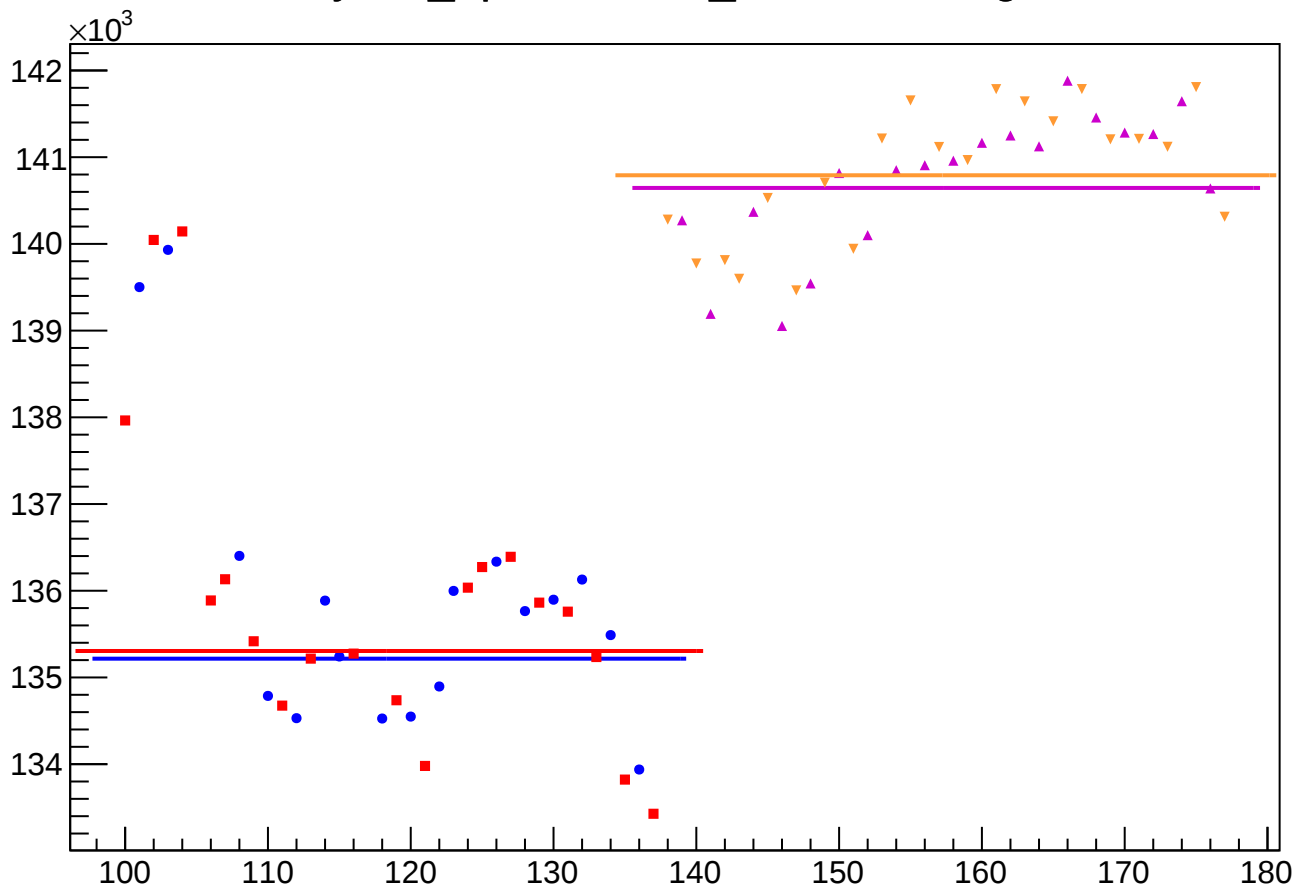
Left In: 261.979 $\pm$ 0.050 χ^2 /NDF: 1737685.3/18

+ sign 261.754 $\pm$ 0.041 χ^2 /NDF: 3948936.1/37

All: 261.821 $\pm$ 0.029 χ^2 /NDF: 7309811.0/75

- sign 261.889 $\pm$ 0.042 χ^2 /NDF: 3360869.7/37

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140791.457 $\pm$ 0.050 χ^2 /NDF: 219746168.5/20

Right Out: 135305.135 $\pm$ 0.051 χ^2 /NDF: 357636841.6/18

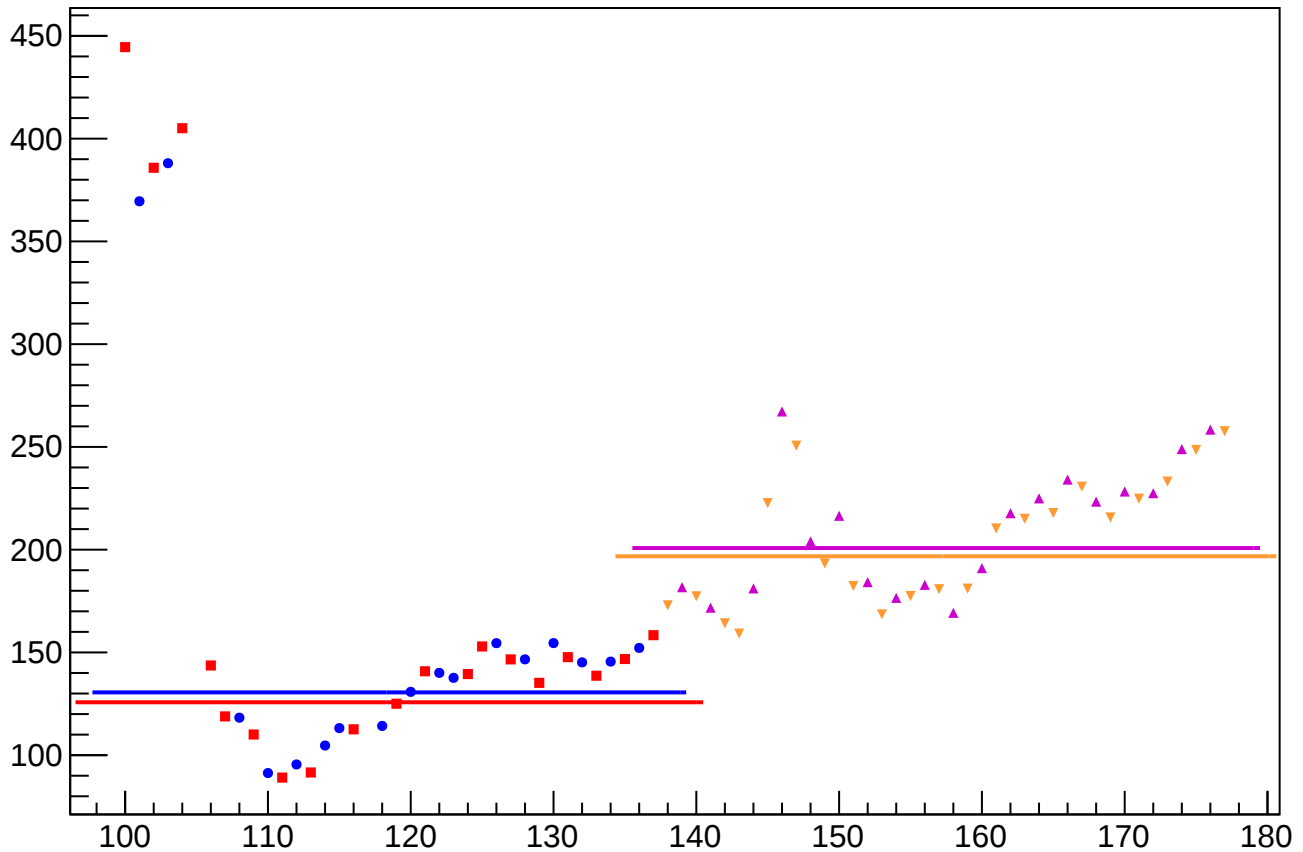
Left In: 140645.371 $\pm$ 0.053 χ^2 /NDF: 190707831.1/18

+ sign 138208.987 $\pm$ 0.037 χ^2 /NDF: 6237322826.0/16

All: 138033.435 $\pm$ 0.026 χ^2 /NDF: 120438214.6/16

- sign 137858.357 $\pm$ 0.037 χ^2 /NDF: 5761525018.0/16

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 196.788 $\pm$ 0.036 χ^2 /NDF: 628818.7/20

+ sign 166.105 $\pm$ 0.026 χ^2 /NDF: 3596010.5/37

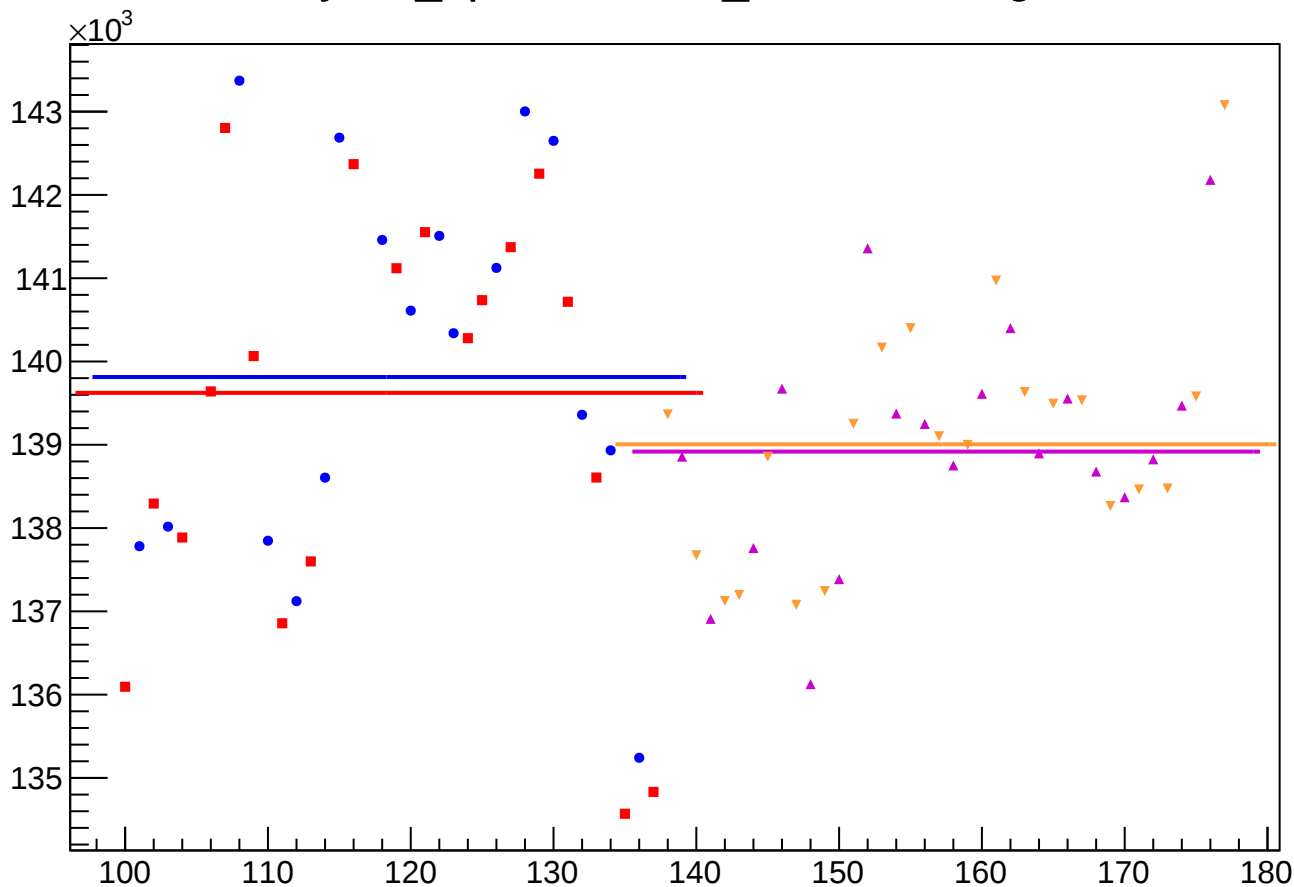
Right Out: 125.746 $\pm$ 0.036 χ^2 /NDF: 1440002.5/18

All: 163.862 $\pm$ 0.018 χ^2 /NDF: 7644392.7/75

- sign 161.625 $\pm$ 0.026 χ^2 /NDF: 4033696.6/37

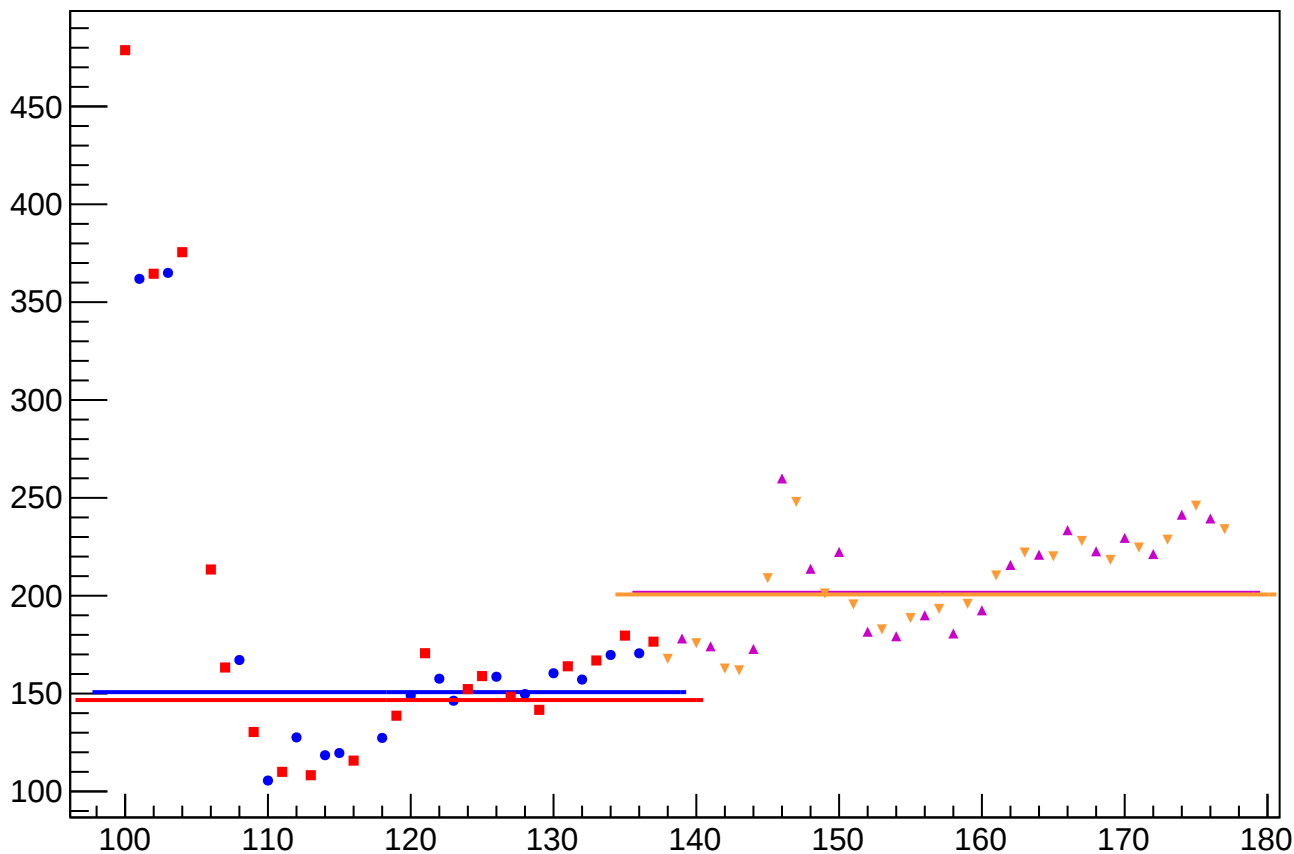
Left In: 200.789 $\pm$ 0.038 χ^2 /NDF: 534771.2/18

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16
 Left Out: 139005.639 $\pm$ 0.051 χ^2 /NDF: 701825812.5/20
 Right Out: 139623.387 $\pm$ 0.059 χ^2 /NDF: 1505731109.1/18
 Left In: 138918.206 $\pm$ 0.054 χ^2 /NDF: 673503449.3/18
 All: 139286.382 $\pm$ 0.028 χ^2 /NDF: 475301657.1
 + sign 139335.642 $\pm$ 0.040 χ^2 /NDF: 2492425674.9
 - sign 139236.869 $\pm$ 0.040 χ^2 /NDF: 2257483893.7

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733 ± 0.044 χ^2/NDF : 1050071.6/16

Left Out: 200.628 ± 0.036 χ^2/NDF : 473971.3/20

Right Out: 146.686 ± 0.042 χ^2/NDF : 1203106.6/18

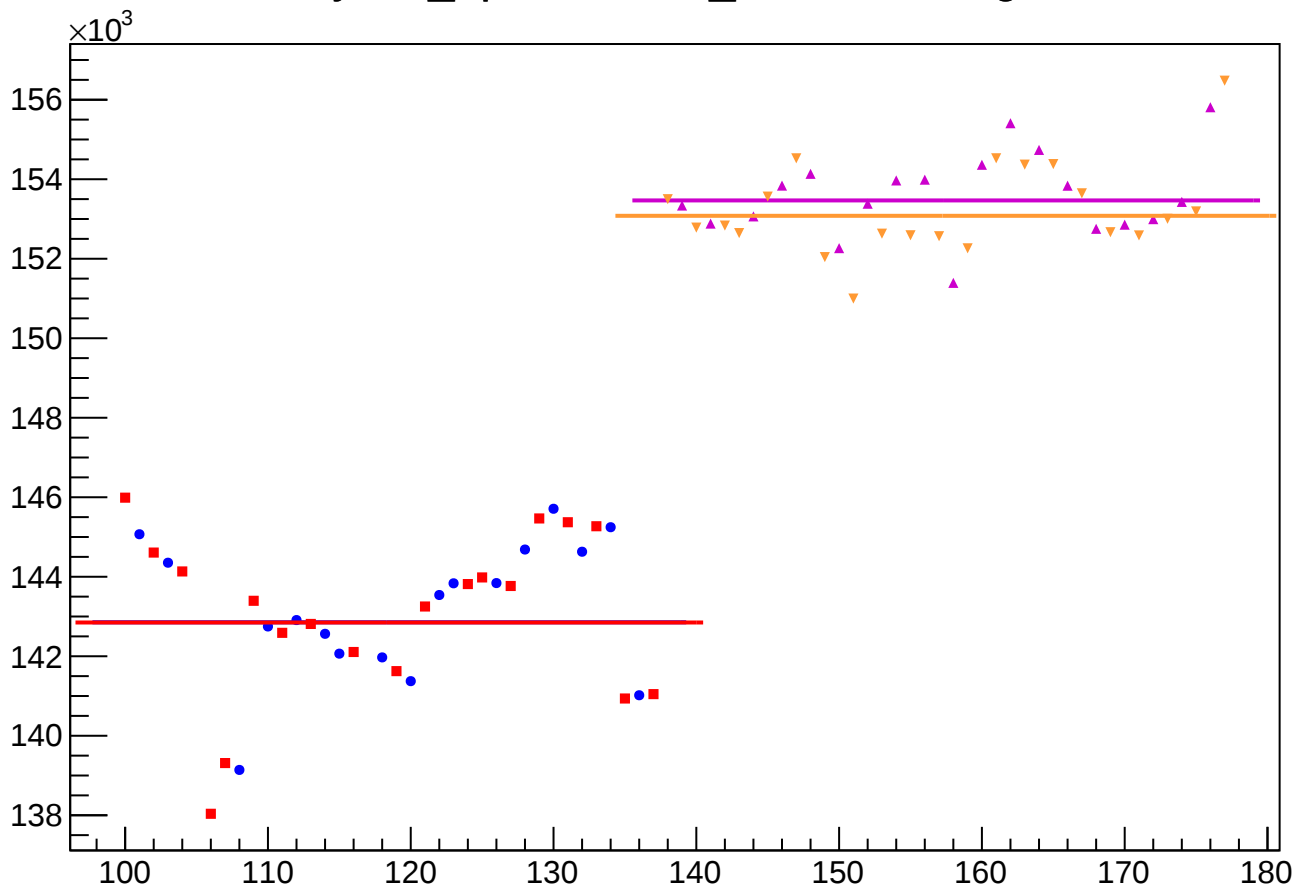
Left In: 201.502 ± 0.038 χ^2/NDF : 445395.3/18

+ sign 180.251 ± 0.028 χ^2/NDF : 2292251.3/37

All: 178.496 ± 0.020 χ^2/NDF : 4894298.0/75

- sign 176.731 ± 0.028 χ^2/NDF : 2594157.2/37

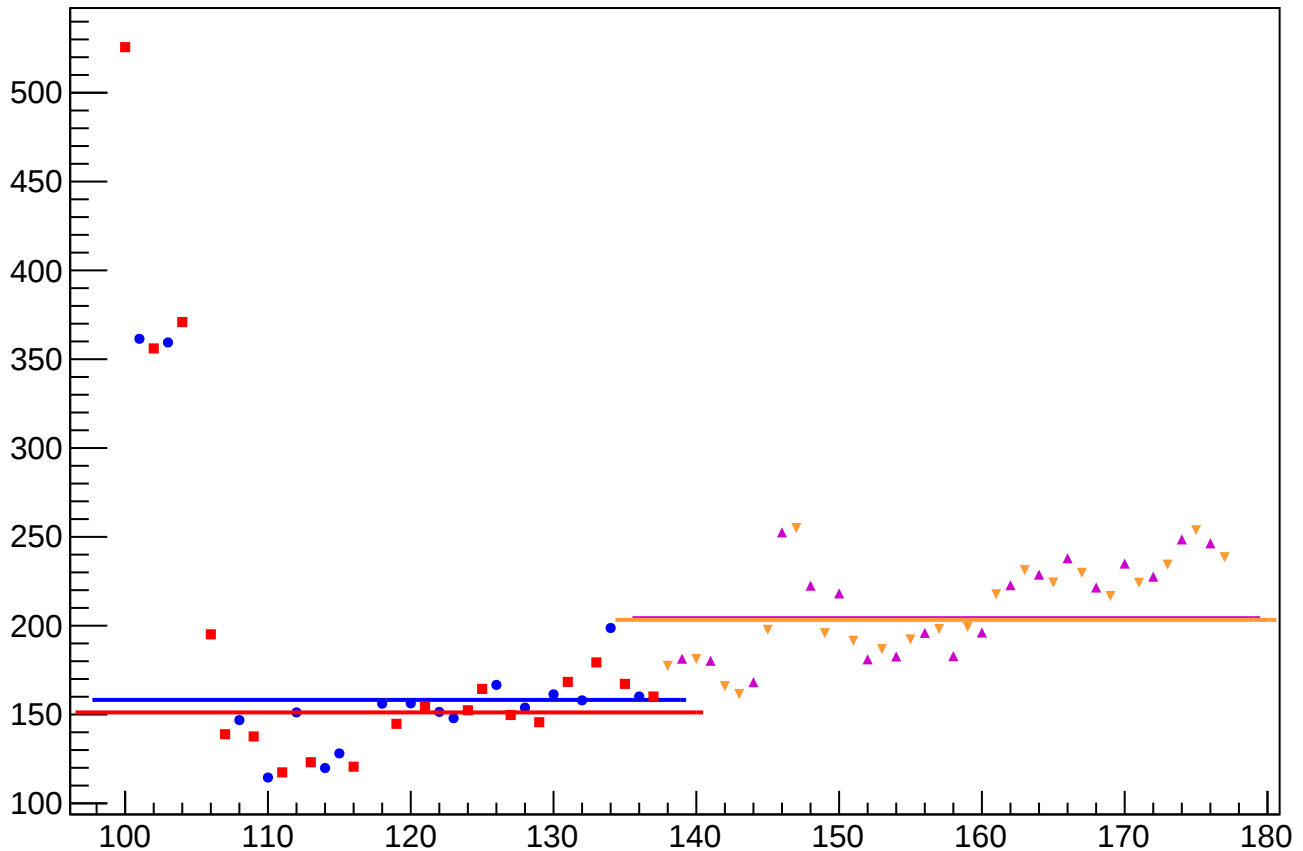
yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 ± 0.065 $\chi^2/\text{NDF}: 740367386.5/16$
 Left Out: 153080.135 ± 0.052 $\chi^2/\text{NDF}: 426725824.6/20$
 Right Out: 142849.362 ± 0.060 $\chi^2/\text{NDF}: 850066807.5/18$
 Left In: 153467.120 ± 0.054 $\chi^2/\text{NDF}: 341090301.6/18$

+ sign 149056.909 ± 0.041 $\chi^2/\text{NDF}: 16336619717.5$
 All: 148889.262 ± 0.029 $\chi^2/\text{NDF}: 346594415$
 - sign 148723.173 ± 0.040 $\chi^2/\text{NDF}: 18288810719.0$

yield_bpm0i05WS_rms vs Slug



Right In: 158.233+/-0.046 χ^2/NDF : 883513.4/16

Left Out: 203.292+/-0.037 χ^2/NDF : 476288.4/20

Right Out: 151.174+/-0.043 χ^2/NDF : 1003301.6/18

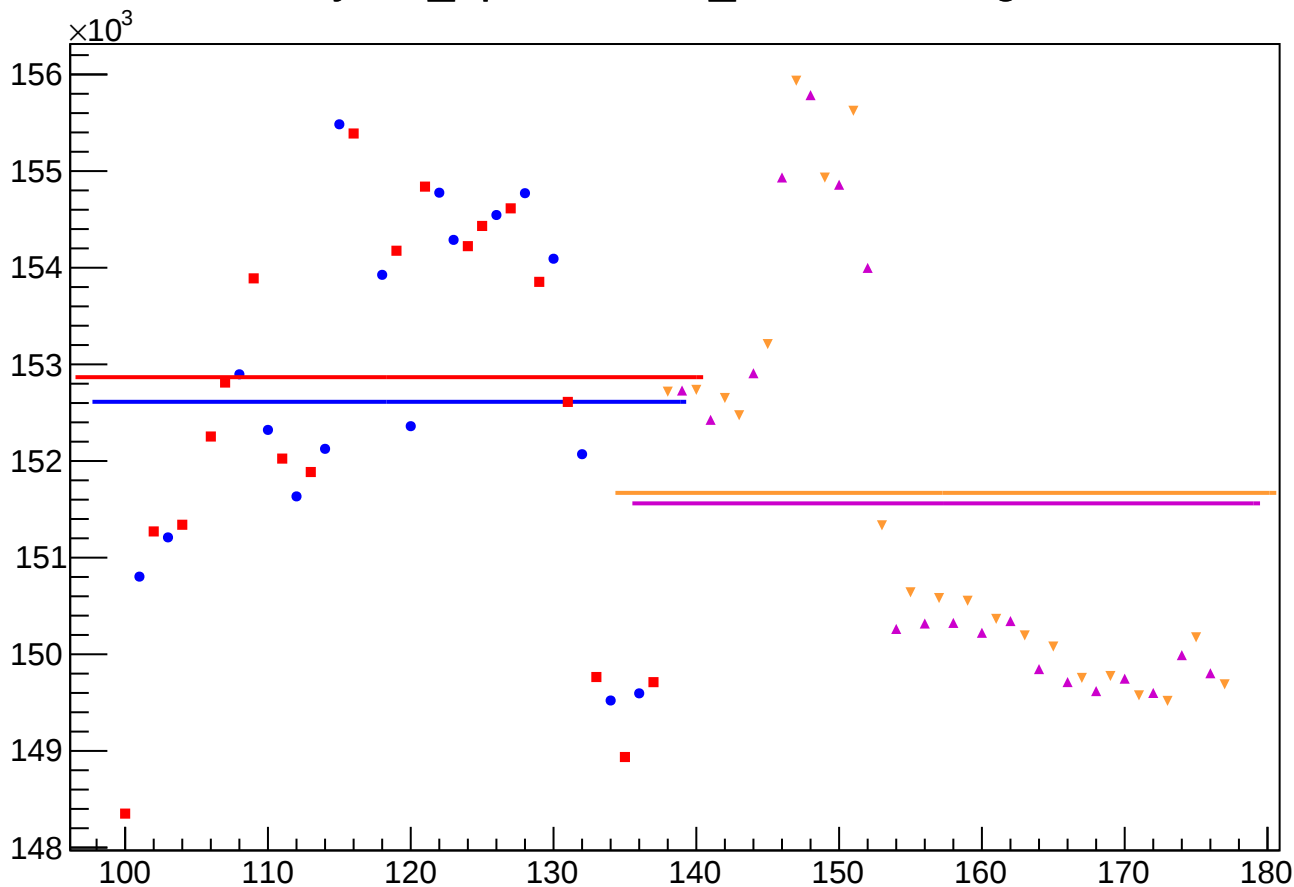
Left In: 204.226+/-0.038 χ^2/NDF : 466335.4/18

+ sign 185.564+/-0.029 χ^2/NDF : 1948876.7/37

All: 183.032+/-0.020 χ^2/NDF : 4287721.9/75

- sign 180.523+/-0.029 χ^2/NDF : 2323323.5/37

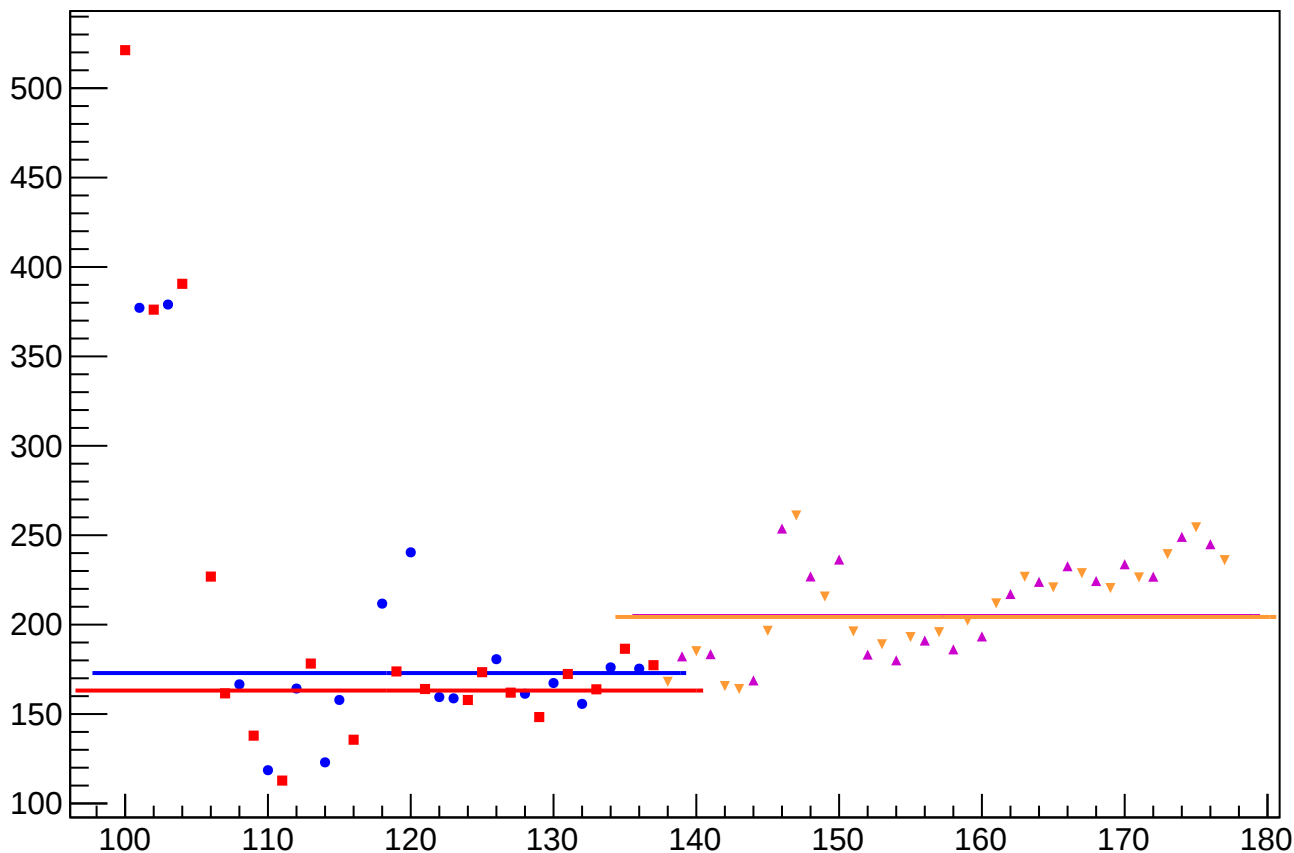
yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16
 Left Out: 151670.331 $\pm$ 0.052 χ^2 /NDF:1328257758.0/20
 Right Out: 152867.453 $\pm$ 0.066 χ^2 /NDF: 719075986.4/18
 Left In: 151561.646 $\pm$ 0.054 χ^2 /NDF:1289663725.7/18

+ sign 151993.817 $\pm$ 0.042 χ^2 /NDF: 2061626810.3
 All: 152040.717 $\pm$ 0.030 χ^2 /NDF: 430524546
 - sign 152086.989 $\pm$ 0.042 χ^2 /NDF: 2241174594.2/18

yield_bpm0i07WS_rms vs Slug



Right In: 172.921 ± 0.051 χ^2/NDF : 941954.0/16

Left Out: 204.296 ± 0.037 χ^2/NDF : 495963.4/20

Right Out: 163.138 ± 0.047 χ^2/NDF : 1033751.2/18

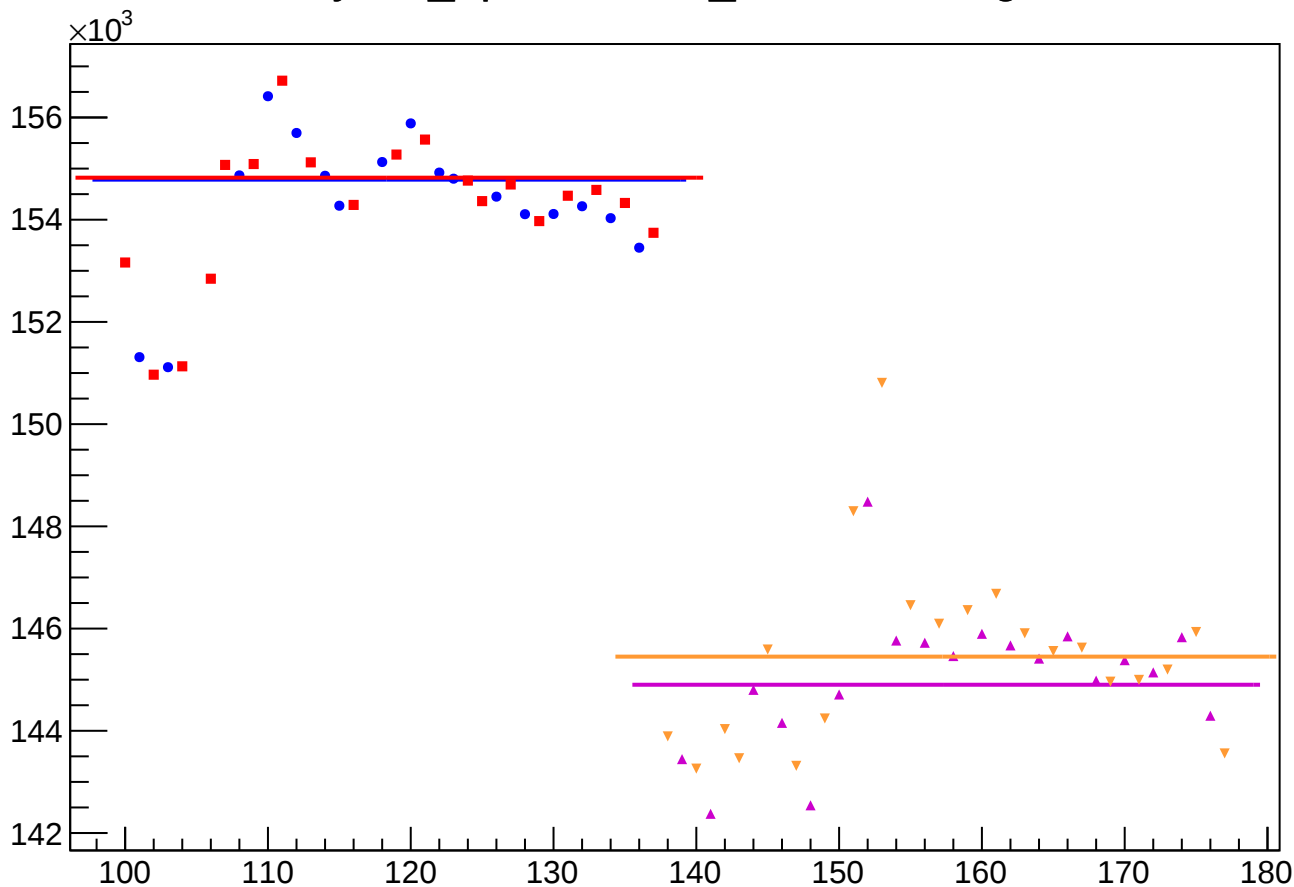
Left In: 204.824 ± 0.038 χ^2/NDF : 471861.8/18

+ sign 193.525 ± 0.030 χ^2/NDF : 1686177.3/37

All: 190.771 ± 0.021 χ^2/NDF : 3682397.6/75

- sign 188.053 ± 0.030 χ^2/NDF : 1979363.3/37

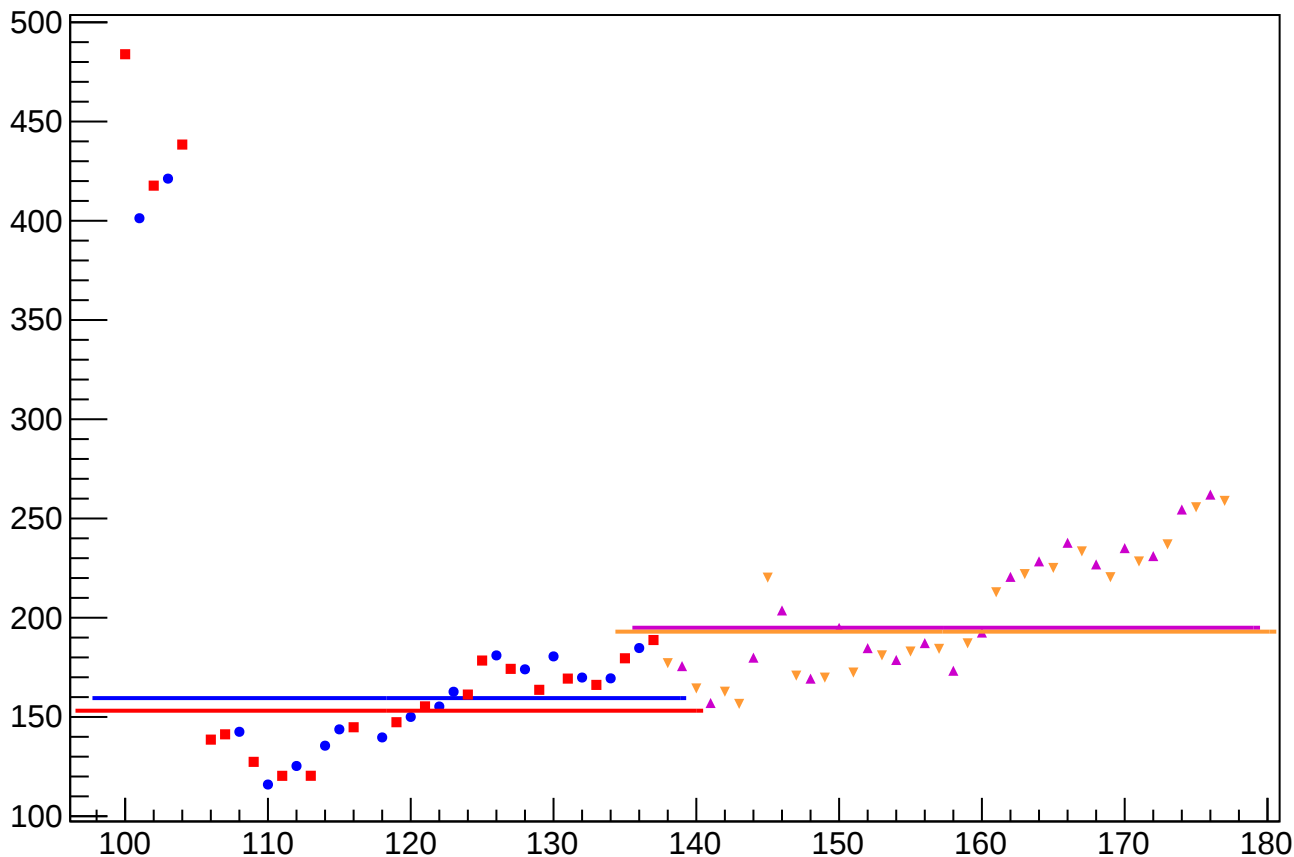
yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16
 Left Out: 145451.239 $\pm$ 0.049 χ^2 /NDF: 1537417840.7/20
 Right Out: 154822.113 $\pm$ 0.061 χ^2 /NDF: 293850525.9/18
 Left In: 144901.088 $\pm$ 0.052 χ^2 /NDF: 840845896.6/18

+ sign 148841.361 $\pm$ 0.039 χ^2 /NDF: 14782351108.
 All: 148949.357 $\pm$ 0.028 χ^2 /NDF: 313587493.
 - sign 149057.422 $\pm$ 0.039 χ^2 /NDF: 16561365230.1

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 ± 0.046 χ^2/NDF : 1131844.5/16

Left Out: 192.988 ± 0.035 χ^2/NDF : 698208.3/20

Right Out: 153.153 ± 0.043 χ^2/NDF : 1173739.7/18

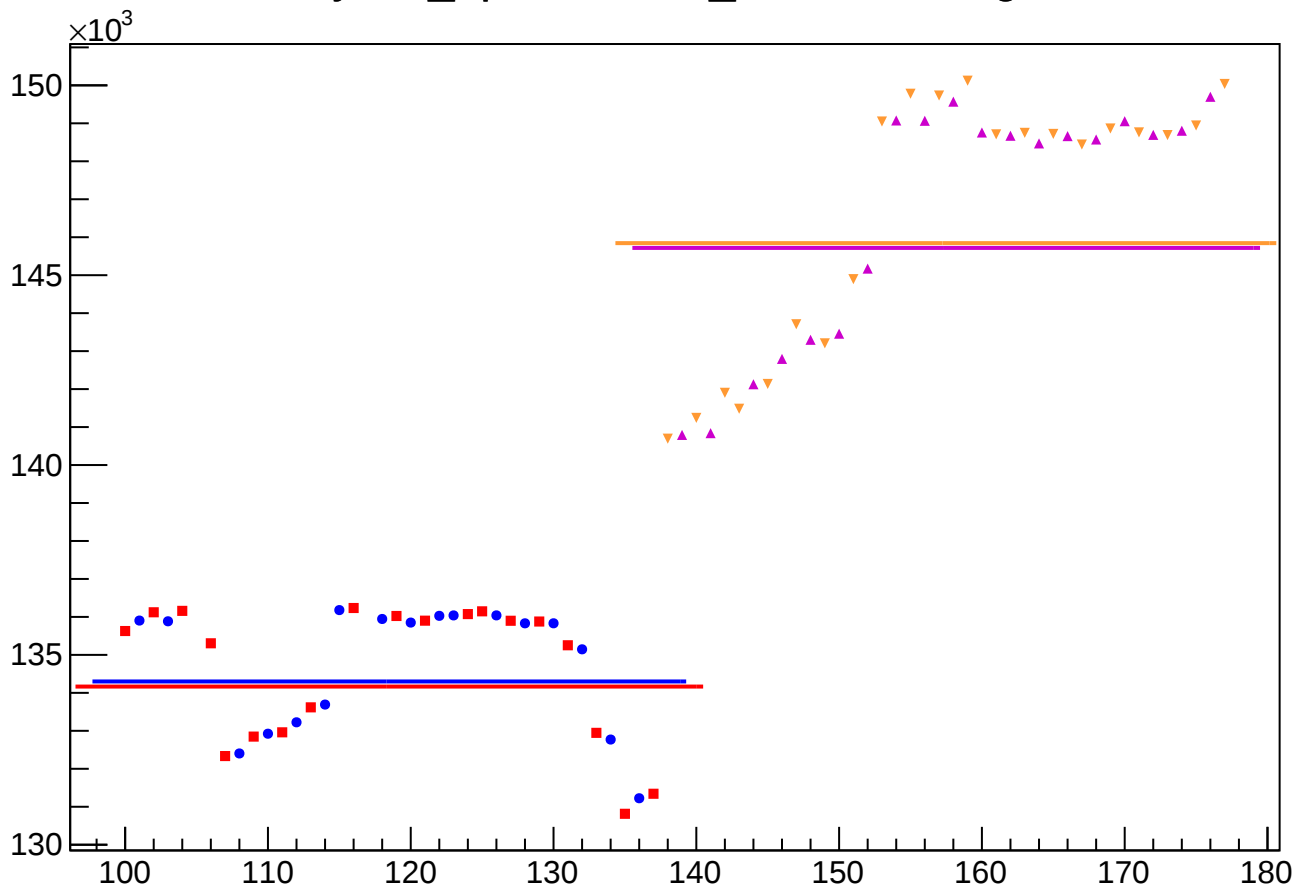
Left In: 194.958 ± 0.037 χ^2/NDF : 583627.1/18

+ sign 180.825 ± 0.028 χ^2/NDF : 2164206.2/37

All: 179.135 ± 0.020 χ^2/NDF : 4476744.4/75

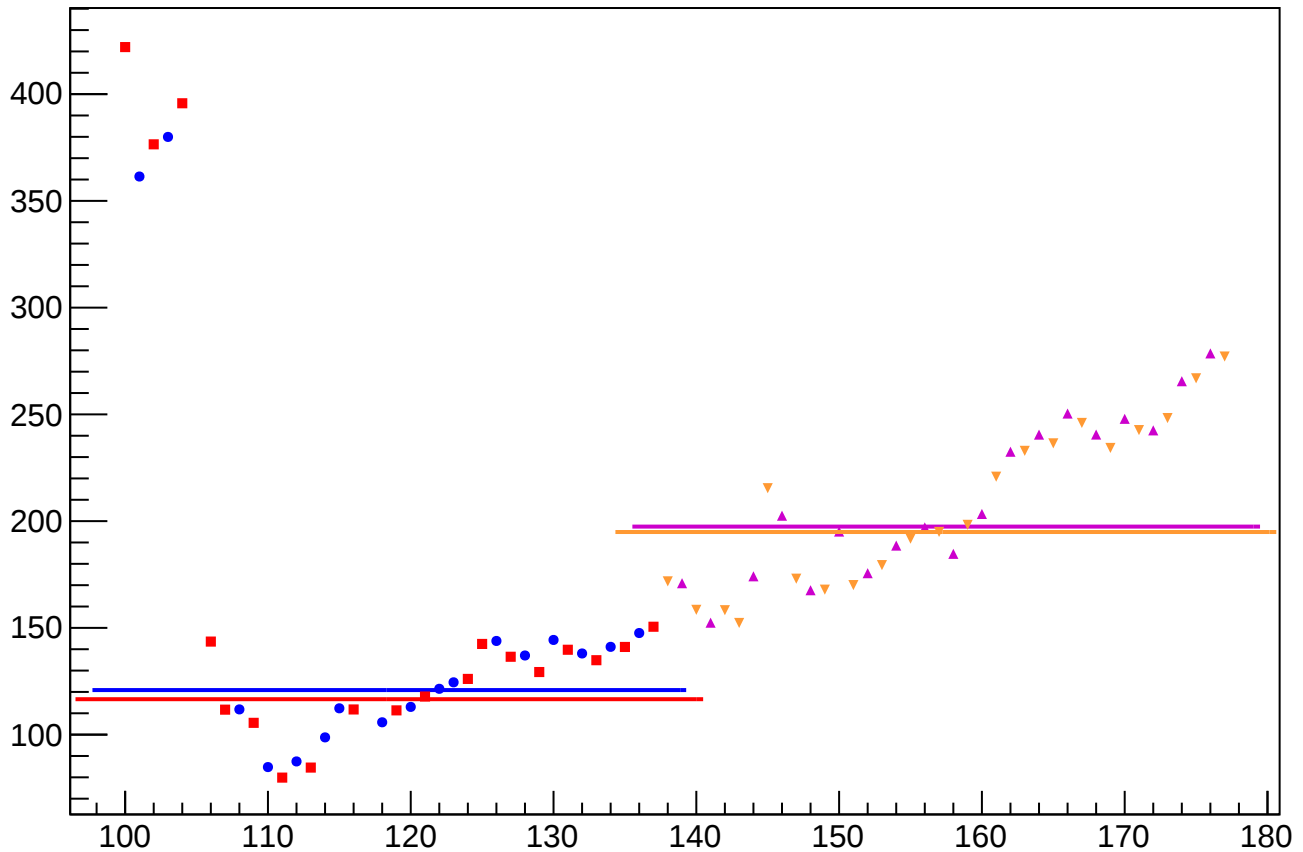
- sign 177.444 ± 0.028 χ^2/NDF : 2305178.2/37

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025+/-0.050 χ^2/NDF : 1149581803.2/16
 Left Out: 145844.283+/-0.050 χ^2/NDF : 4962873156.6/20
 Right Out: 134165.615+/-0.047 χ^2/NDF : 1211471052.4/18
 Left In: 145718.417+/-0.053 χ^2/NDF : 4135665893.3/18
 + sign 140099.472+/-0.036 χ^2/NDF : 32529744560.
 All: 139717.436+/-0.025 χ^2/NDF : 647302402.
 - sign 139341.892+/-0.035 χ^2/NDF : 31971008903.4

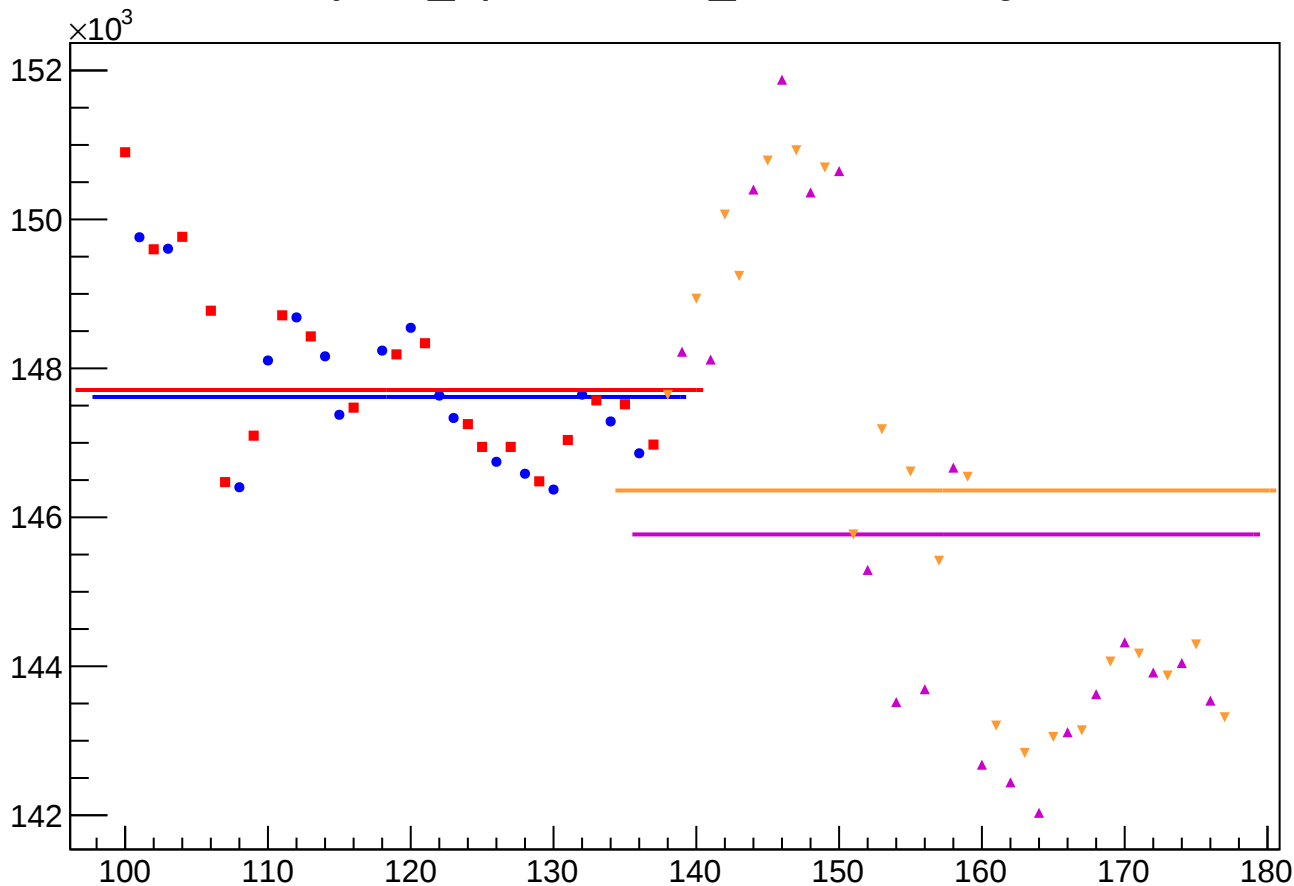
yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16
 Left Out: 194.904 $\pm$ 0.035 χ^2 /NDF: 975024.2/20
 Right Out: 116.595 $\pm$ 0.034 χ^2 /NDF: 1541338.5/18
 Left In: 197.441 $\pm$ 0.037 χ^2 /NDF: 807753.0/18

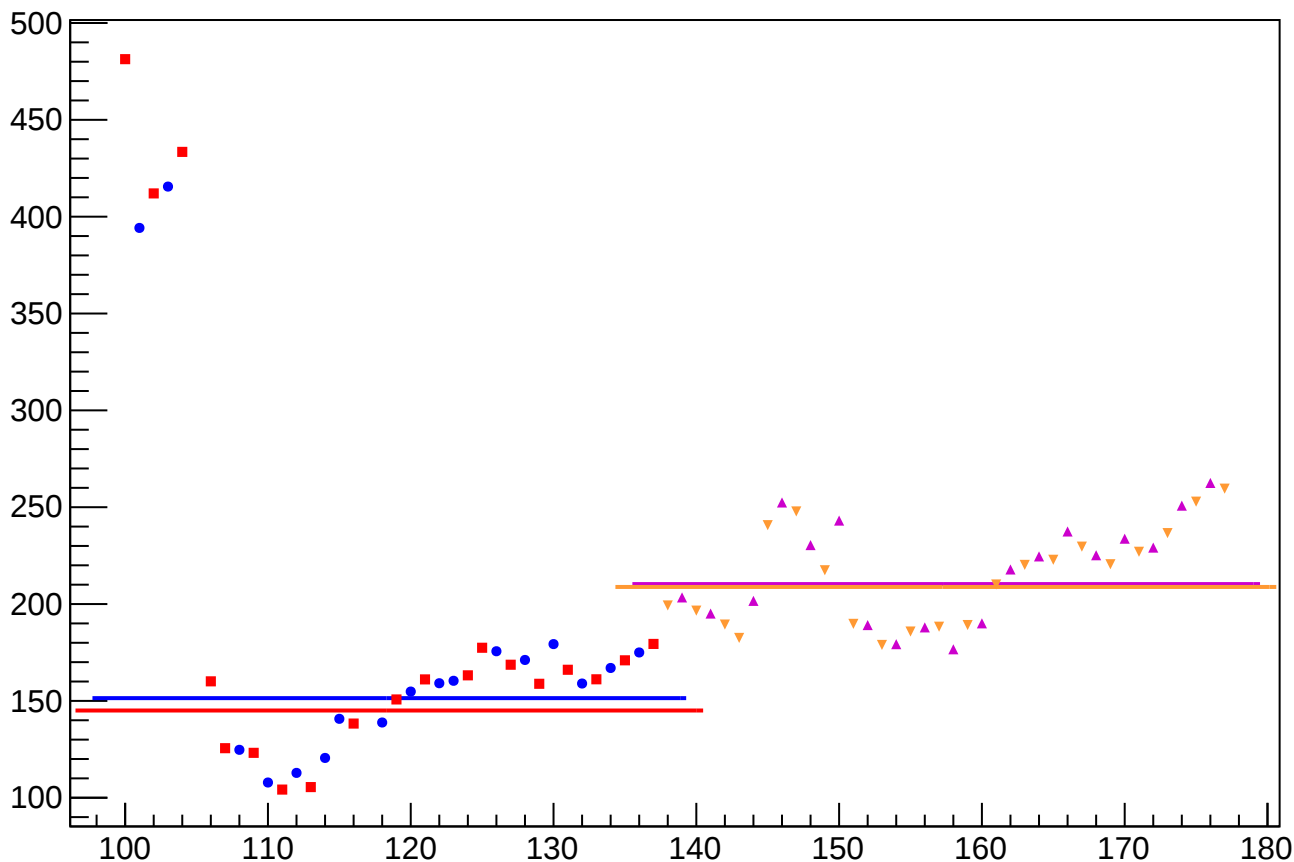
+ sign 158.063 $\pm$ 0.025 χ^2 /NDF: 4611549.3/37
 All: 155.418 $\pm$ 0.018 χ^2 /NDF: 9590311.1/75
 - sign 152.818 $\pm$ 0.025 χ^2 /NDF: 4956761.7/37

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150+/-0.062	χ^2/NDF : 199263428.7/16	+ sign 146888.497+/-0.041	χ^2/NDF : 2852718904.7/16
Left Out: 146360.571+/-0.053	χ^2/NDF : 2419443497.9/20	All: 146790.936+/-0.029	χ^2/NDF : 654418620.0/16
Right Out: 147709.723+/-0.058	χ^2/NDF : 203906685.9/18	- sign 146694.591+/-0.040	χ^2/NDF : 3679943271.6/16
Left In: 145770.484+/-0.056	χ^2/NDF : 2897368924.4/18		

yield_bpm1i06WS_rms vs Slug



Right In: 151.424+/-0.044 χ^2/NDF : 1257843.0/16

Left Out: 208.827+/-0.038 χ^2/NDF : 397725.9/20

Right Out: 145.039+/-0.041 χ^2/NDF : 1375972.0/18

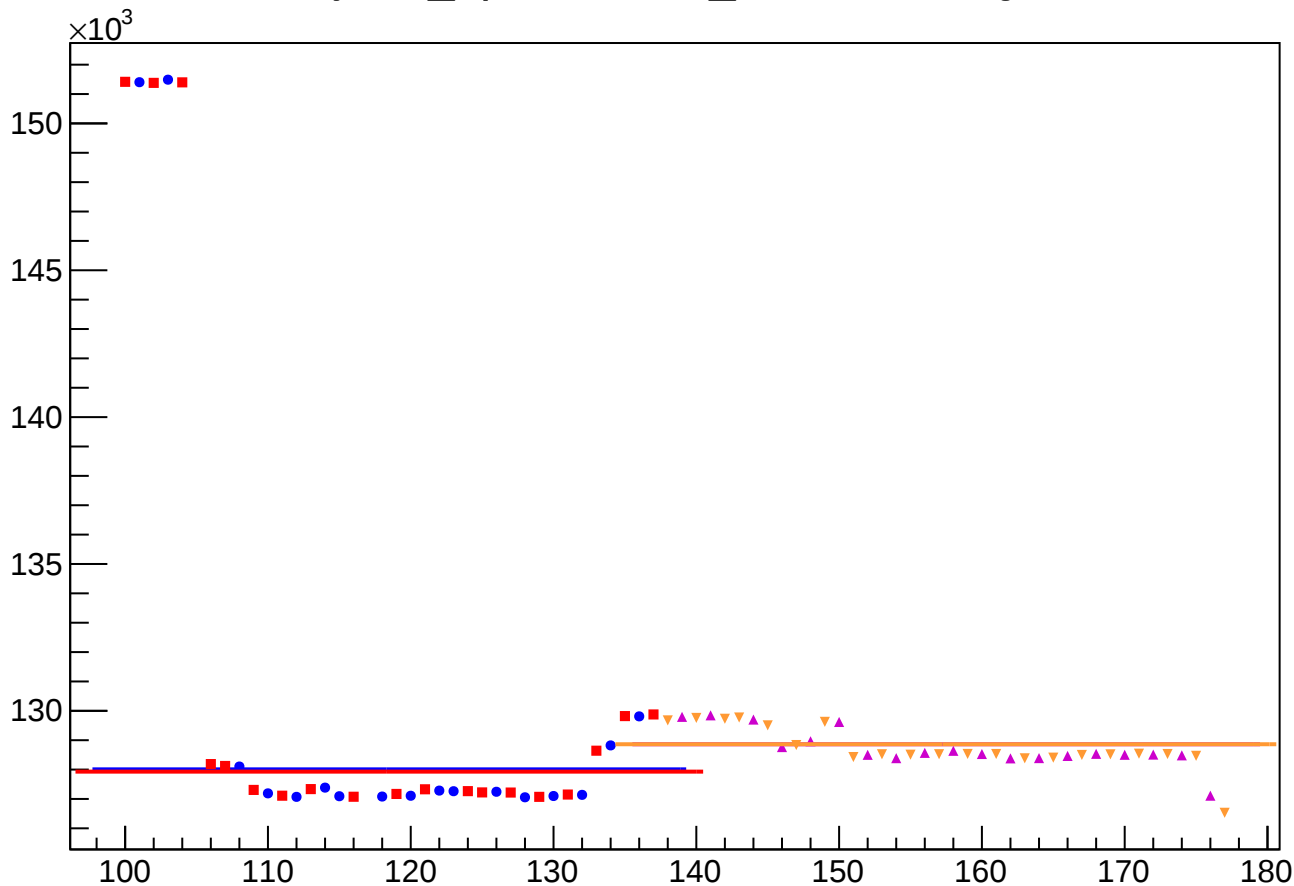
Left In: 210.311+/-0.039 χ^2/NDF : 420647.8/18

+ sign 184.691+/-0.029 χ^2/NDF : 2633803.4/37

All: 181.932+/-0.020 χ^2/NDF : 5759999.2/75

- sign 179.207+/-0.028 χ^2/NDF : 3107763.2/37

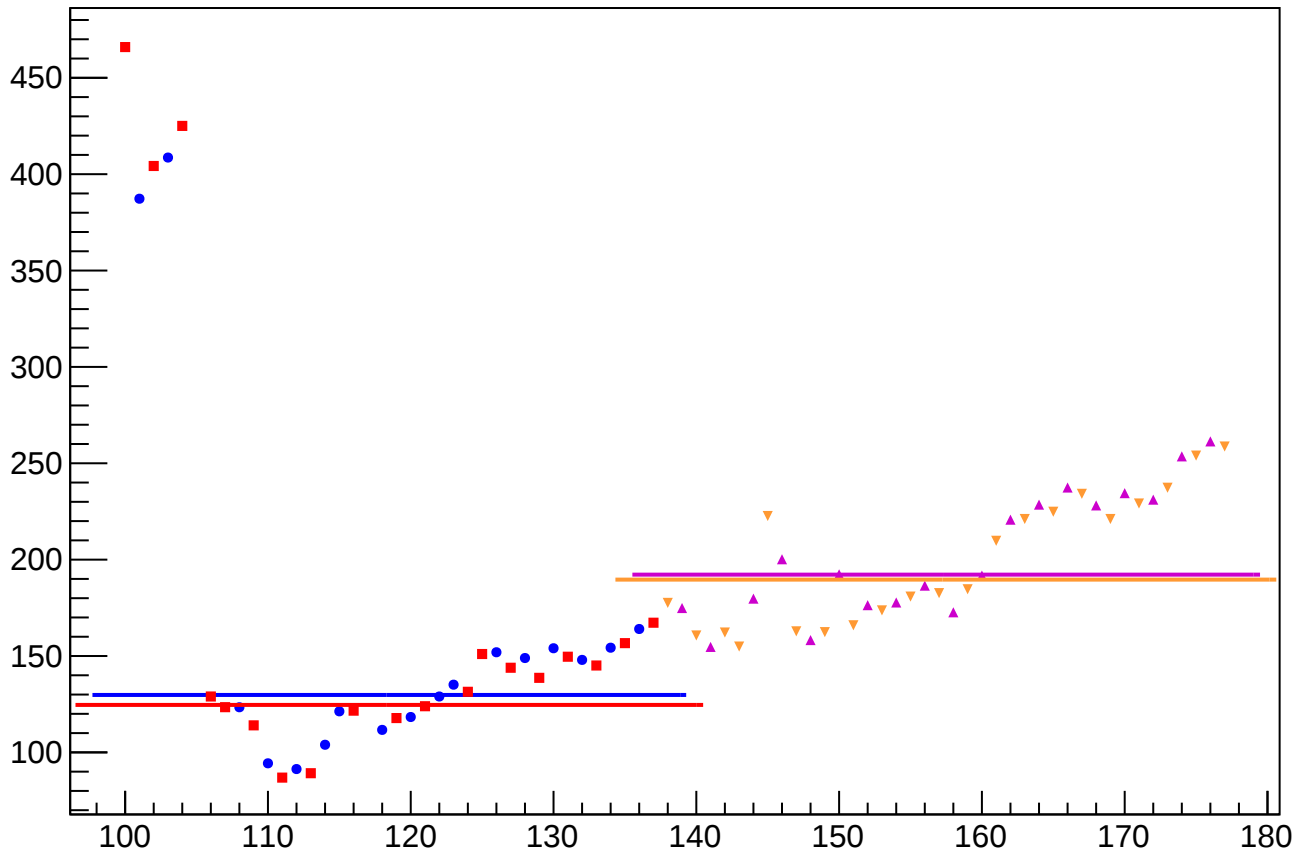
yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 ± 0.054 $\chi^2/\text{NDF}: 4319785674.5/16$
 Left Out: 128862.618 ± 0.049 $\chi^2/\text{NDF}: 194092157.6/20$
 Right Out: 127930.136 ± 0.050 $\chi^2/\text{NDF}: 3768176193.0/18$
 Left In: 128862.027 ± 0.051 $\chi^2/\text{NDF}: 147761525.7/18$

+ sign 128481.178 ± 0.036 $\chi^2/\text{NDF}: 4652211708.3$
 All: 128435.180 ± 0.025 $\chi^2/\text{NDF}: 874016047$
 - sign 128389.904 ± 0.036 $\chi^2/\text{NDF}: 4084735183.6$

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 189.639 $\pm$ 0.034 χ^2 /NDF: 804612.5/20

Right Out: 124.625 $\pm$ 0.036 χ^2 /NDF: 1531827.4/18

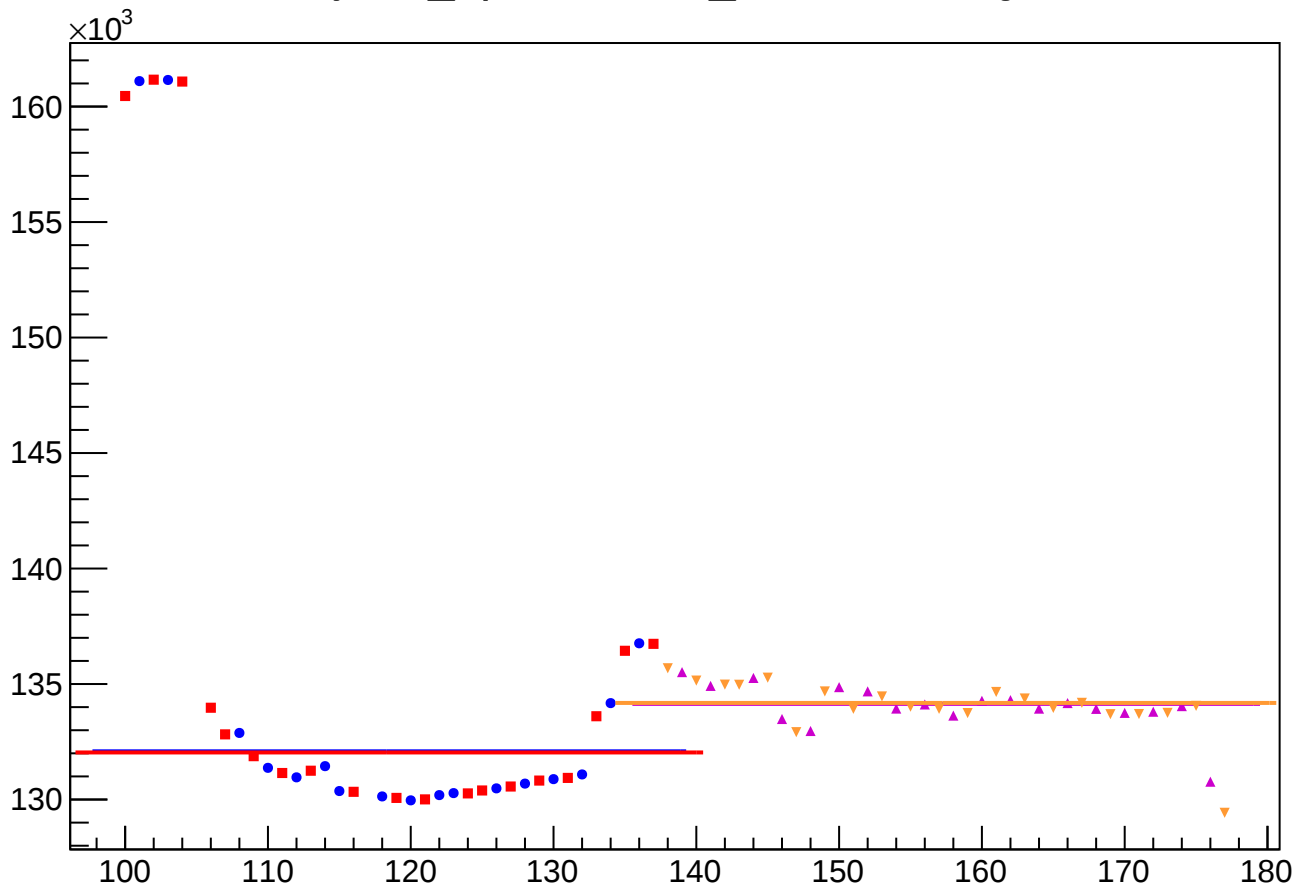
Left In: 192.223 $\pm$ 0.036 χ^2 /NDF: 658393.3/18

+ sign 162.950 $\pm$ 0.026 χ^2 /NDF: 3644474.0/37

All: 160.443 $\pm$ 0.018 χ^2 /NDF: 7630154.9/75

- sign 157.975 $\pm$ 0.025 χ^2 /NDF: 3966593.8/37

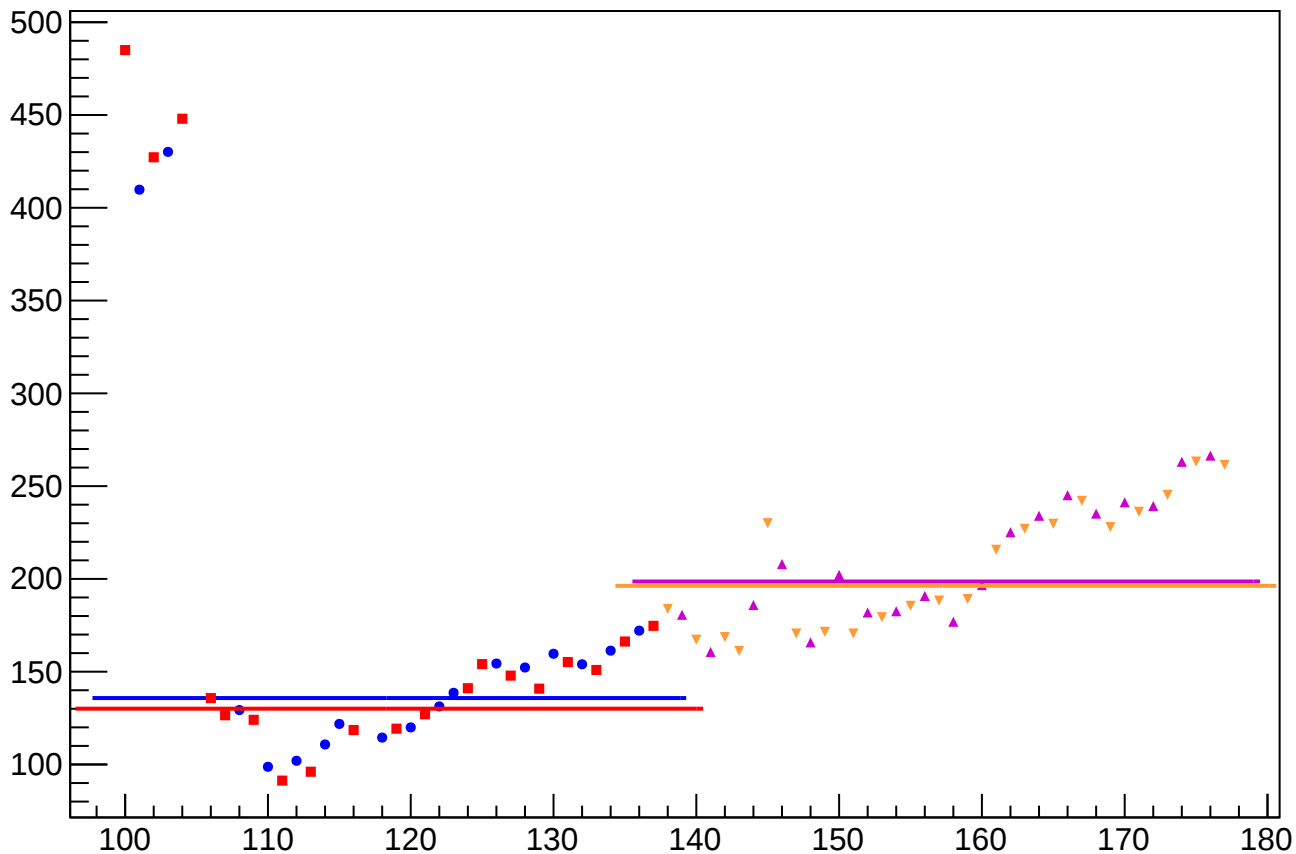
yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16
 Left Out: 134181.797 $\pm$ 0.050 χ^2 /NDF: 446142081.6/20
 Right Out: 132037.539 $\pm$ 0.053 χ^2 /NDF: 5882115872.9/18
 Left In: 134140.197 $\pm$ 0.053 χ^2 /NDF: 286530429.7/18

+ sign 133257.337 $\pm$ 0.038 χ^2 /NDF: 7946889310.6
 All: 133170.304 $\pm$ 0.026 χ^2 /NDF: 149242156
 - sign 133084.809 $\pm$ 0.037 χ^2 /NDF: 6966676290.8

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 196.282 $\pm$ 0.036 χ^2 /NDF: 757592.5/20

Right Out: 130.070 $\pm$ 0.037 χ^2 /NDF: 1503997.6/18

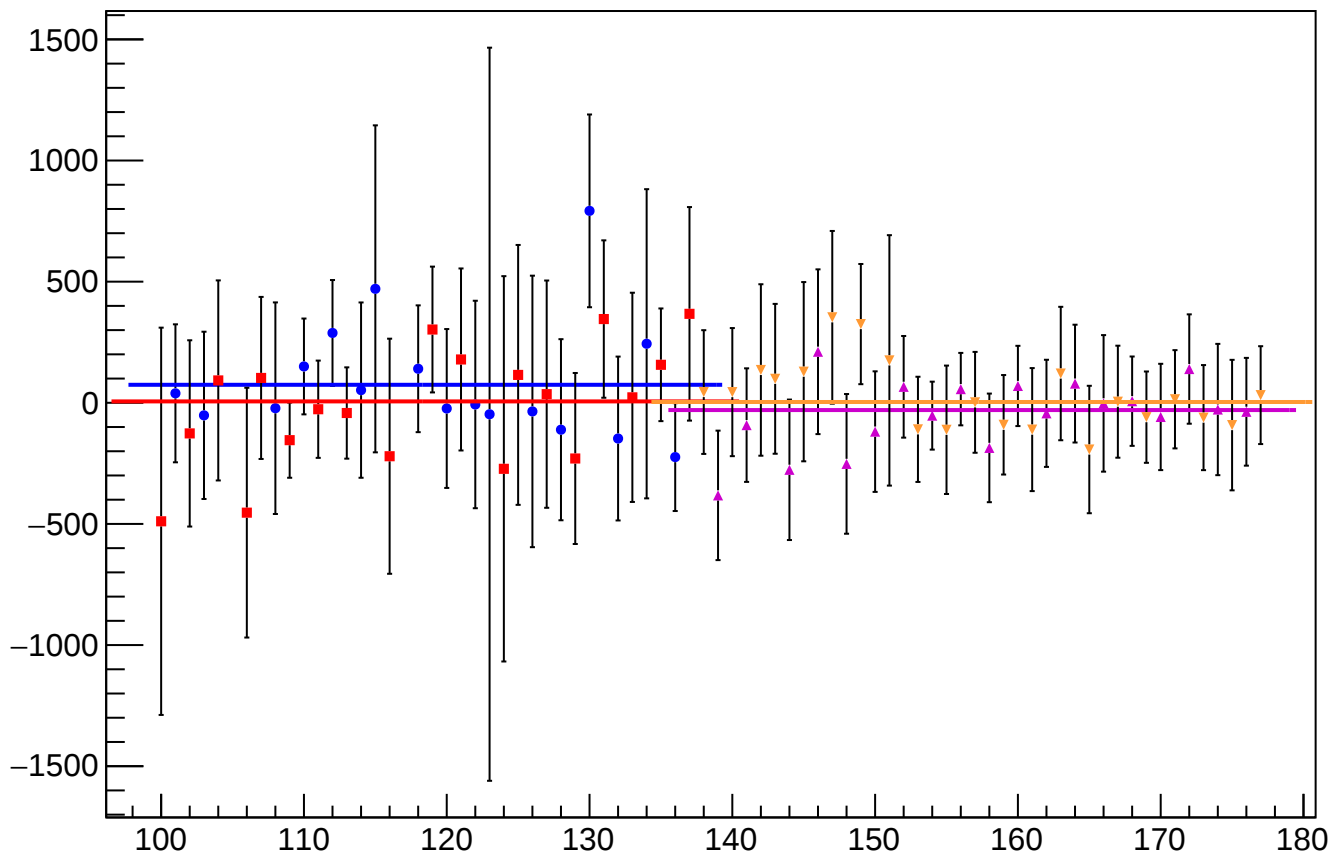
Left In: 198.603 $\pm$ 0.037 χ^2 /NDF: 636112.9/18

+ sign 169.592 $\pm$ 0.027 χ^2 /NDF: 3479054.6/37

All: 166.874 $\pm$ 0.019 χ^2 /NDF: 7335496.9/75

- sign 164.204 $\pm$ 0.026 χ^2 /NDF: 3835668.9/37

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 3.301+/-54.280 χ^2/NDF : 5.1/20

Right Out: 5.739+/-70.069 χ^2/NDF : 7.1/18

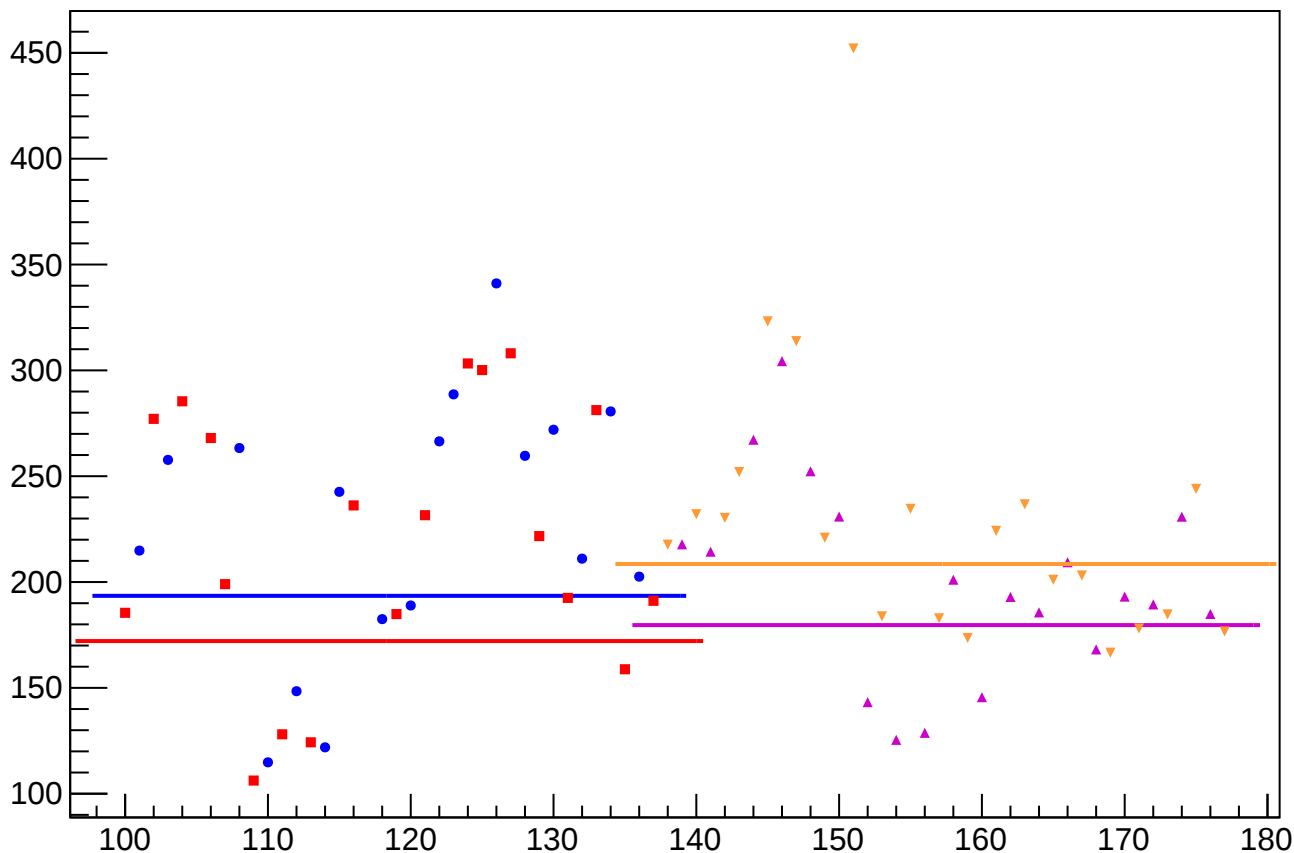
Left In: -30.020+/-49.434 χ^2/NDF : 6.0/18

+ sign 26.061+/-44.741 χ^2/NDF : 13.3/37

All: 1.711+/-29.982 χ^2/NDF : 27.2/75

- sign -18.136+/-40.393 χ^2/NDF : 13.3/37

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 208.514 $\pm$ 0.038 χ^2 /NDF:1298831.6/20

Right Out: 172.122 $\pm$ 0.050 χ^2 /NDF: 1579840.2/18

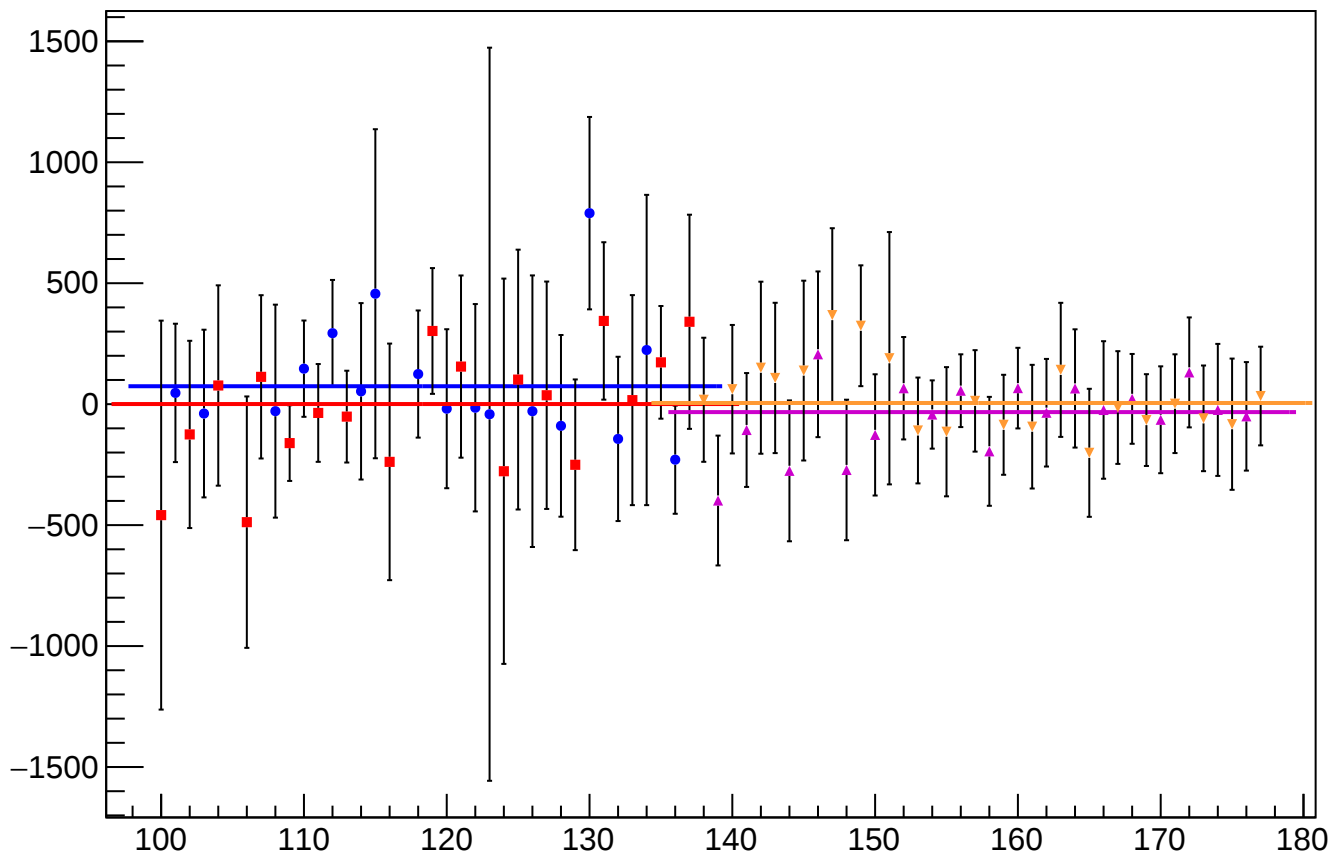
Left In: 179.660 $\pm$ 0.035 χ^2 /NDF:1564206.6/18

+ sign 203.697 $\pm$ 0.032 χ^2 /NDF: 2365161.1/37

All: 189.074 $\pm$ 0.021 χ^2 /NDF: 5912422.9/75

- sign 177.155 $\pm$ 0.029 χ^2 /NDF: 3159501.8/37

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098 $\pm$ 79.404 χ^2 /NDF: 7.6/16

Left Out: 4.869 $\pm$ 54.651 χ^2 /NDF: 5.3/20

Right Out: 0.503 $\pm$ 70.437 χ^2 /NDF: 7.3/18

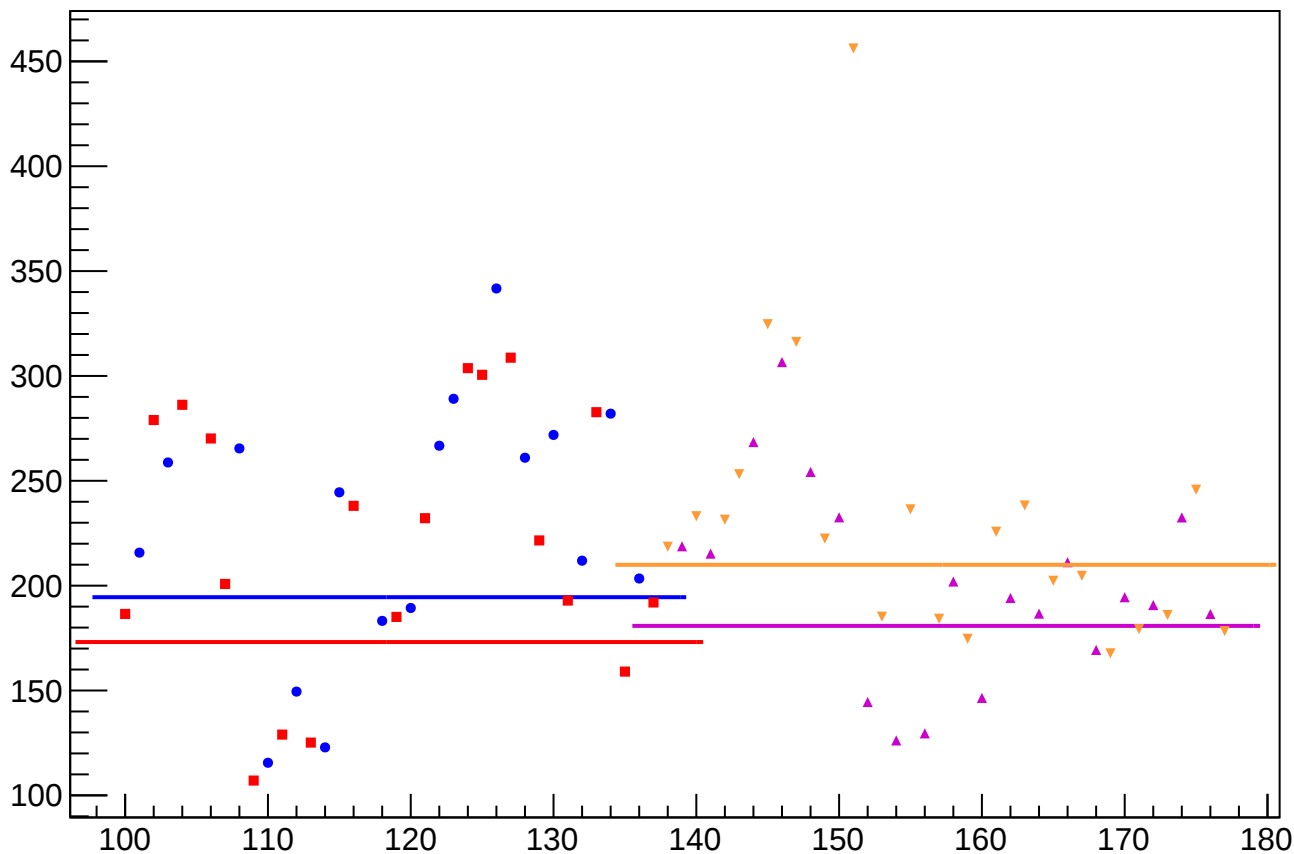
Left In: -32.834 $\pm$ 49.752 χ^2 /NDF: 6.2/18

+ sign 27.122 $\pm$ 45.019 χ^2 /NDF: 13.3/37

All: 0.199 $\pm$ 30.165 χ^2 /NDF: 27.6/75

- sign -21.738 $\pm$ 40.637 χ^2 /NDF: 13.7/37

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 209.944 $\pm$ 0.039 χ^2 /NDF:1295717.9/20

Right Out: 173.111 $\pm$ 0.050 χ^2 /NDF: 1567374.3/18

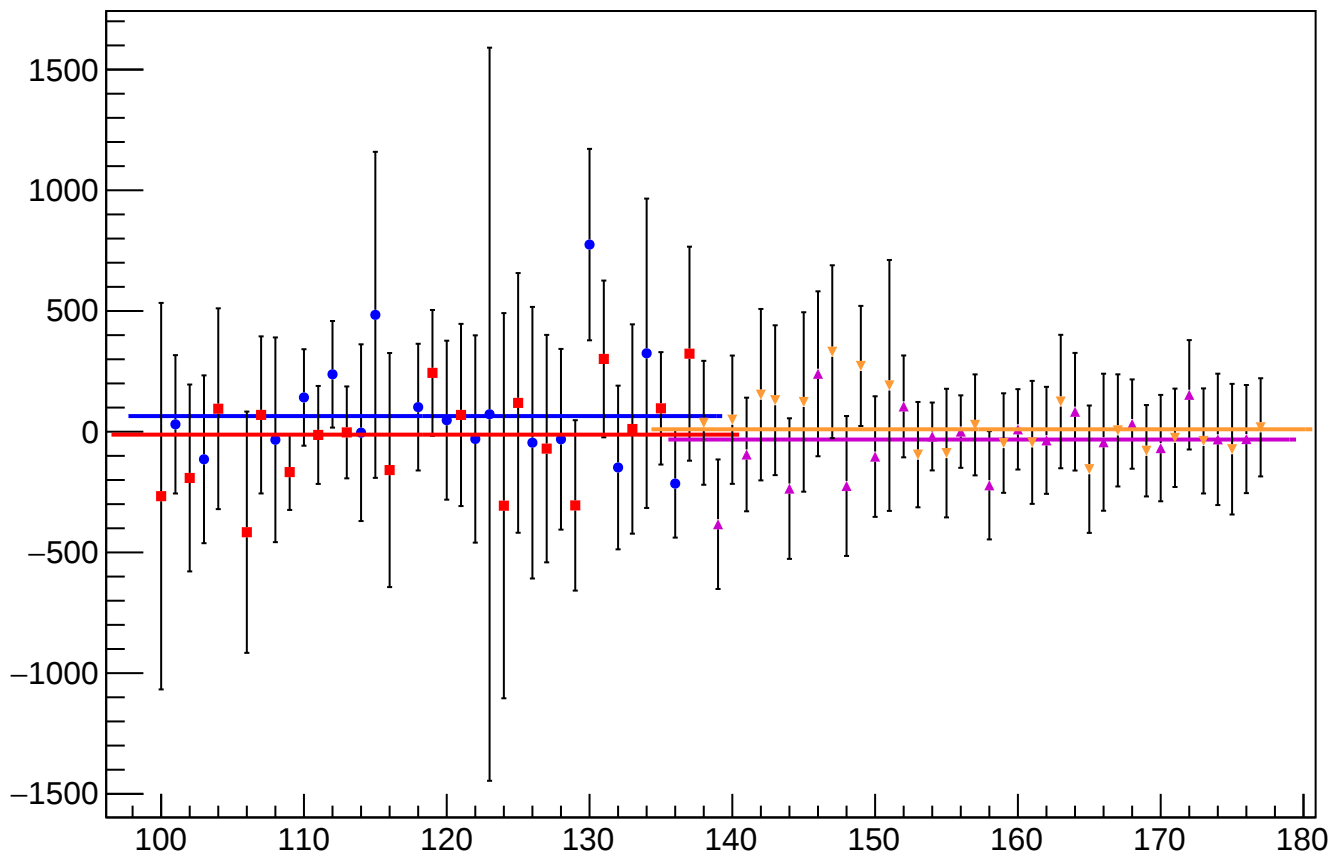
Left In: 180.812 $\pm$ 0.035 χ^2 /NDF:1563663.0/18

+ sign 204.978 $\pm$ 0.032 χ^2 /NDF: 2355595.8/37

All: 190.250 $\pm$ 0.021 χ^2 /NDF: 5891084.9/75

- sign 178.249 $\pm$ 0.029 χ^2 /NDF: 3146985.6/37

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 10.069 ± 54.520 χ^2/NDF : 3.9/20

Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

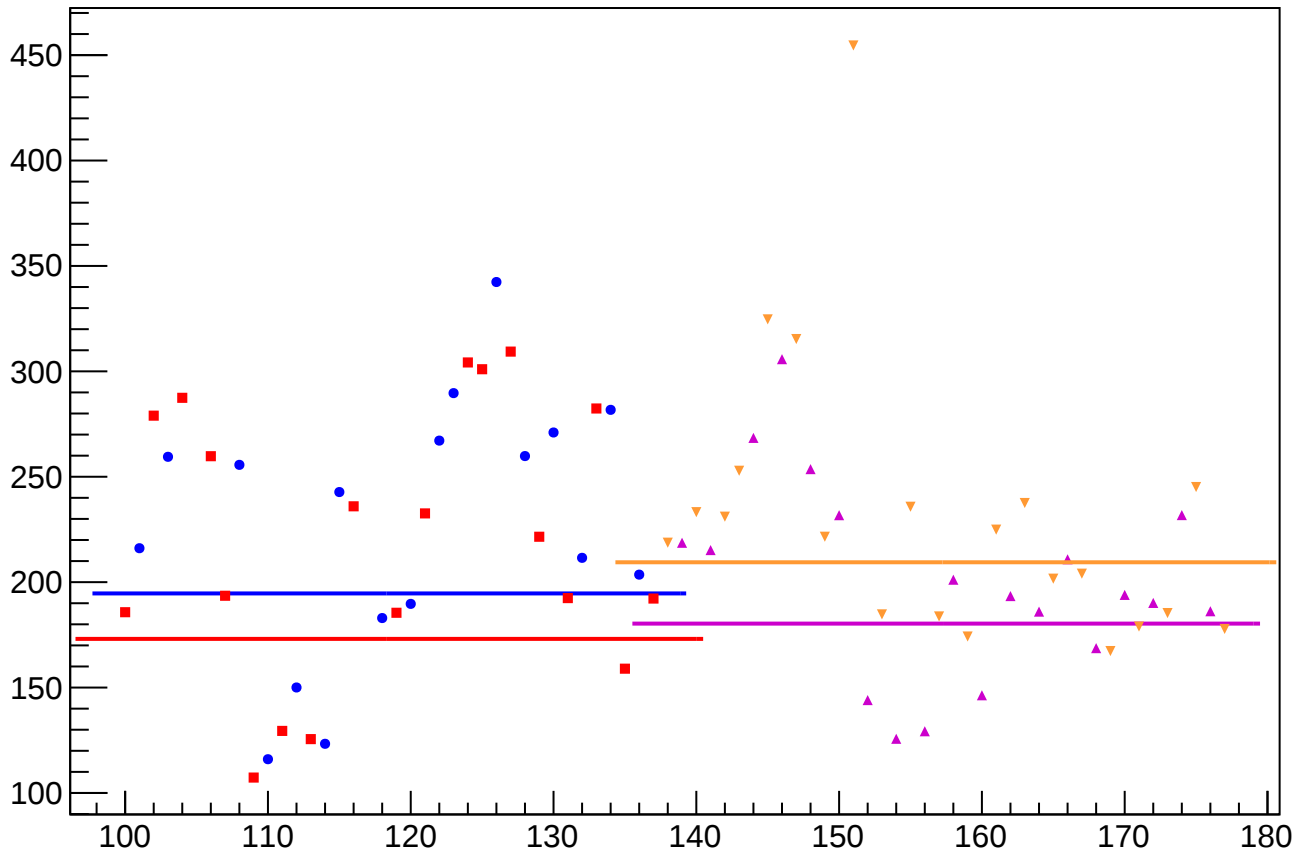
Left In: -32.391 ± 49.624 χ^2/NDF : 5.7/18

+ sign 27.584 ± 44.944 χ^2/NDF : 11.3/37

All: -1.759 ± 30.108 χ^2/NDF : 23.6/75

- sign -25.649 ± 40.553 χ^2/NDF : 11.6/37

asym_bcm_an_us_rms vs Slug



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 209.430 $\pm$ 0.039 χ^2 /NDF:1298254.7/20

Right Out: 173.089 $\pm$ 0.050 χ^2 /NDF: 1544540.9/18

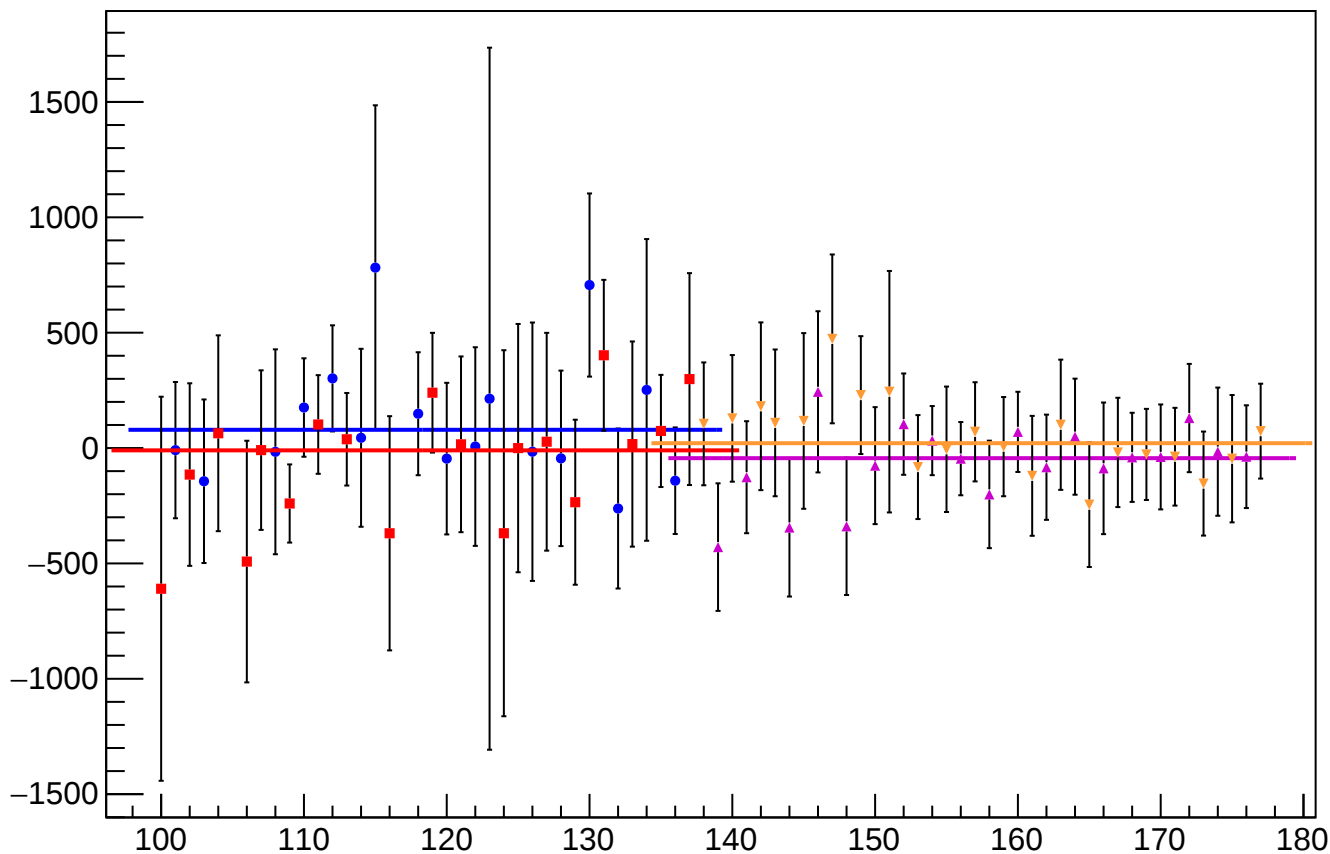
Left In: 180.338 $\pm$ 0.035 χ^2 /NDF:1567165.0/18

+ sign 204.695 $\pm$ 0.032 χ^2 /NDF: 2332141.0/37

All: 189.941 $\pm$ 0.021 χ^2 /NDF: 5849001.0/75

- sign 177.930 $\pm$ 0.029 χ^2 /NDF: 3125883.5/37

asym_bcm_dg_us_mean vs Slug



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 21.061+/-56.077 χ^2/NDF : 5.5/20

Right Out: -9.982+/-73.310 χ^2/NDF : 7.9/18

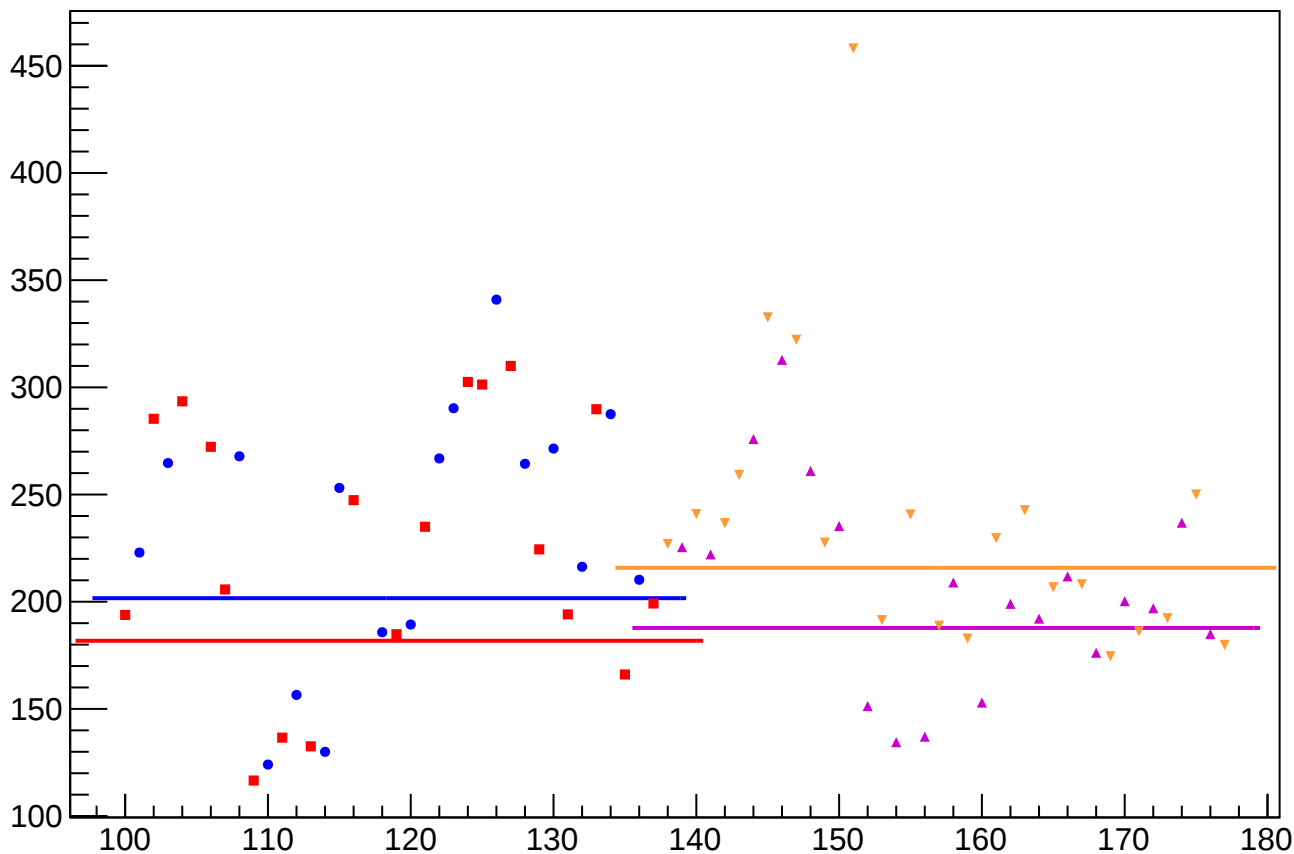
Left In: -43.841+/-51.460 χ^2/NDF : 7.1/18

+ sign 39.603+/-46.266 χ^2/NDF : 13.3/37

All: 0.086+/-31.146 χ^2/NDF : 29.8/75

- sign -32.665+/-42.119 χ^2/NDF : 15.1/37

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 215.822 $\pm$ 0.040 χ^2 /NDF:1241165.7/20

Right Out: 181.797 $\pm$ 0.052 χ^2 /NDF: 1377449.9/18

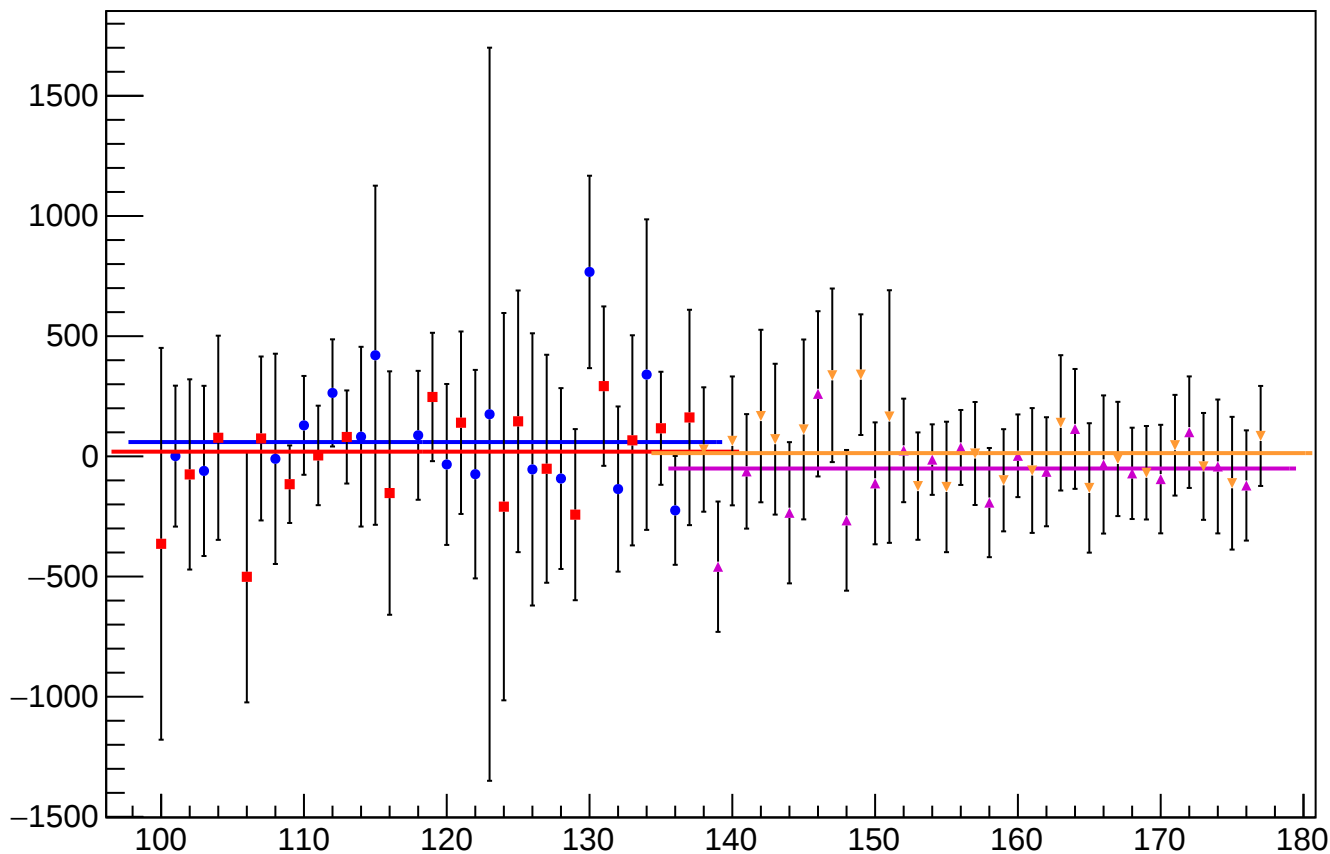
Left In: 187.771 $\pm$ 0.036 χ^2 /NDF:1406475.8/18

+ sign 211.298 $\pm$ 0.033 χ^2 /NDF: 2165110.8/37

All: 197.355 $\pm$ 0.022 χ^2 /NDF: 5290126.7/75

- sign 185.799 $\pm$ 0.030 χ^2 /NDF: 2792821.7/37

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 $\pm$ 80.808 χ^2 /NDF: 7.0/16

Left Out: 13.511 $\pm$ 55.624 χ^2 /NDF: 5.0/20

Right Out: 19.541 $\pm$ 71.866 χ^2 /NDF: 4.7/18

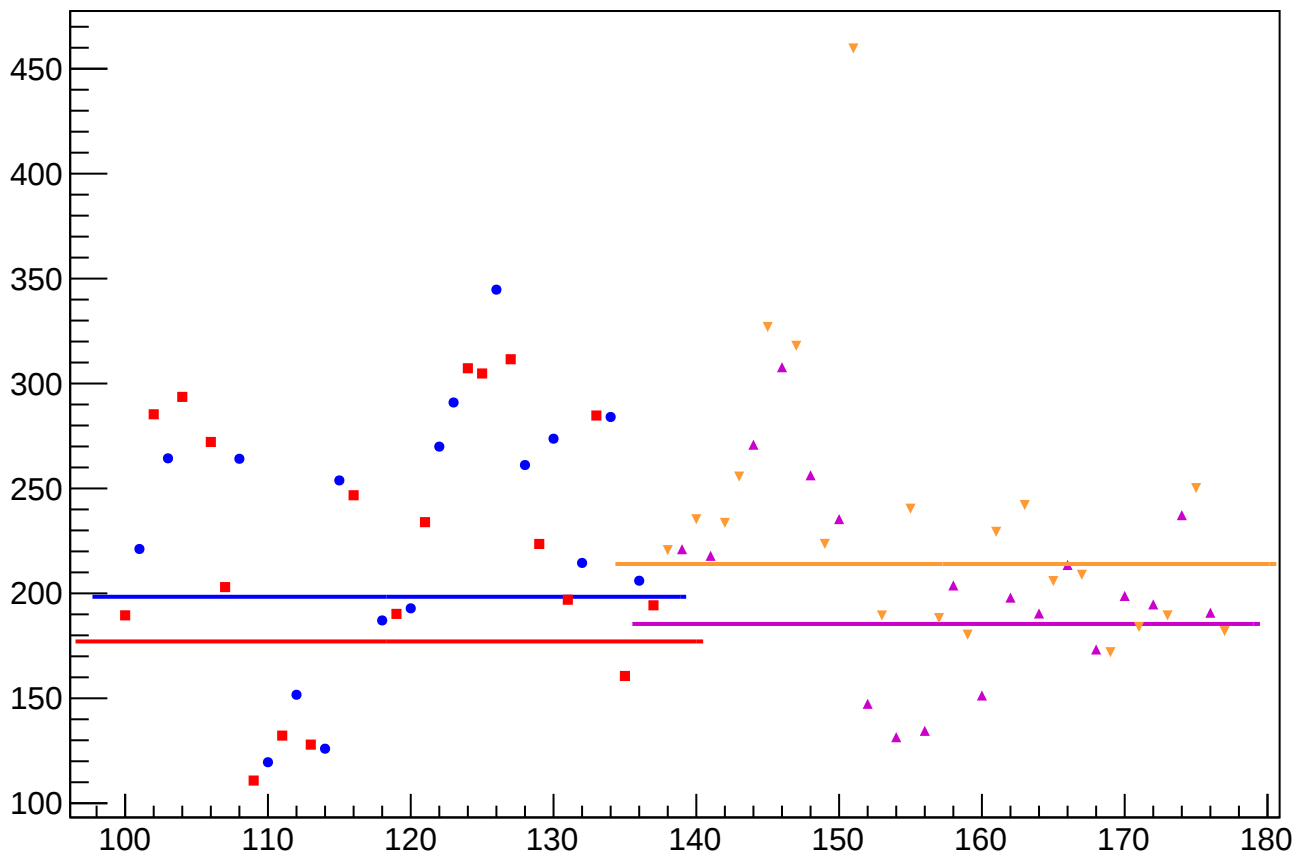
Left In: -50.588 $\pm$ 50.883 χ^2 /NDF: 6.1/18

+ sign 28.295 $\pm$ 45.818 χ^2 /NDF: 12.2/37

All: -2.156 $\pm$ 30.770 χ^2 /NDF: 24.5/75

- sign -27.171 $\pm$ 41.528 χ^2 /NDF: 11.4/37

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 213.994 $\pm$ 0.039 χ^2 /NDF:1235175.3/20

Right Out: 177.096 $\pm$ 0.051 χ^2 /NDF: 1524763.6/18

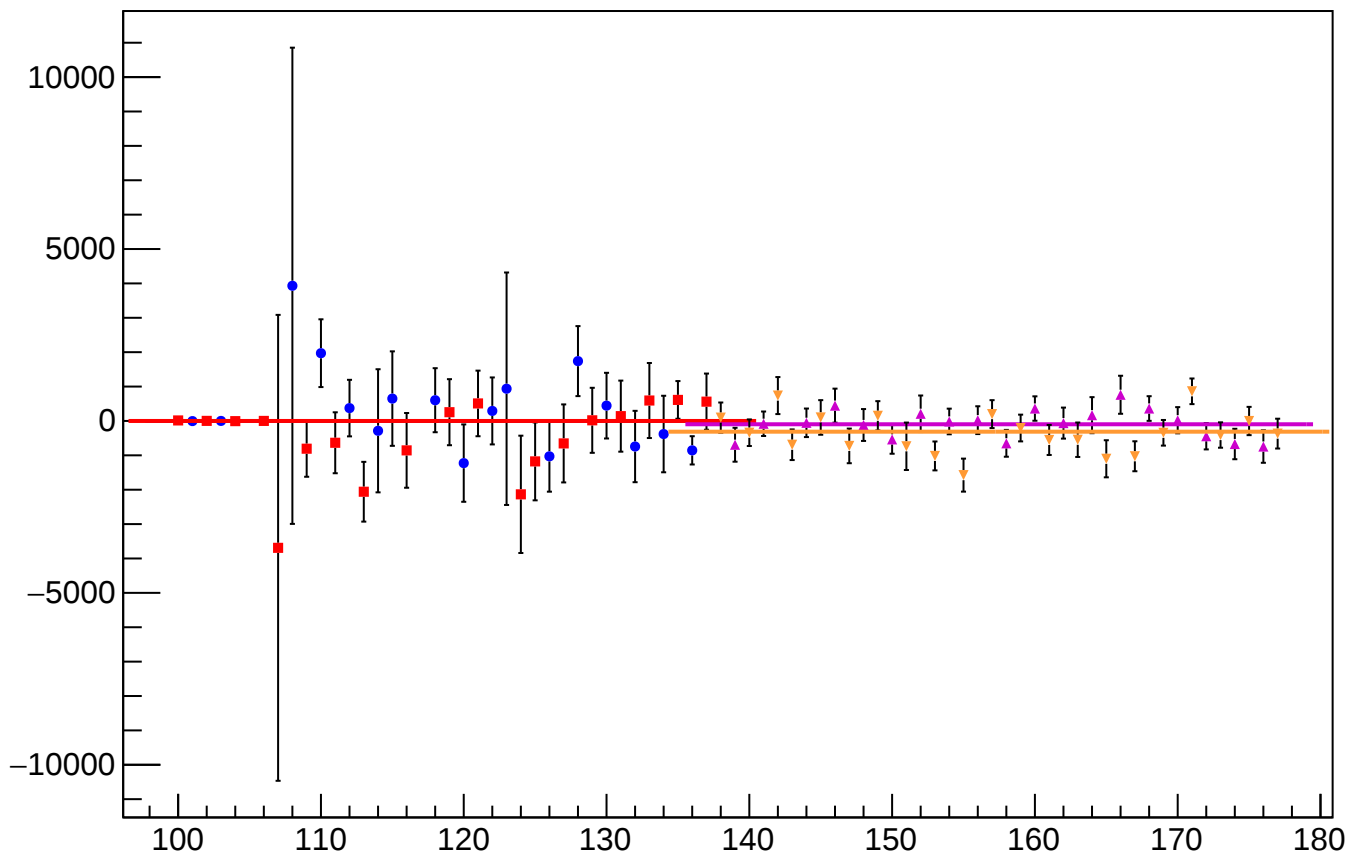
Left In: 185.432 $\pm$ 0.036 χ^2 /NDF:1441560.0/18

+ sign 208.974 $\pm$ 0.032 χ^2 /NDF: 2249522.2/37

All: 194.521 $\pm$ 0.022 χ^2 /NDF: 5596237.0/75

- sign 182.648 $\pm$ 0.029 χ^2 /NDF: 2984246.4/37

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -312.349 ± 95.588 χ^2/NDF : 35.7/20

Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

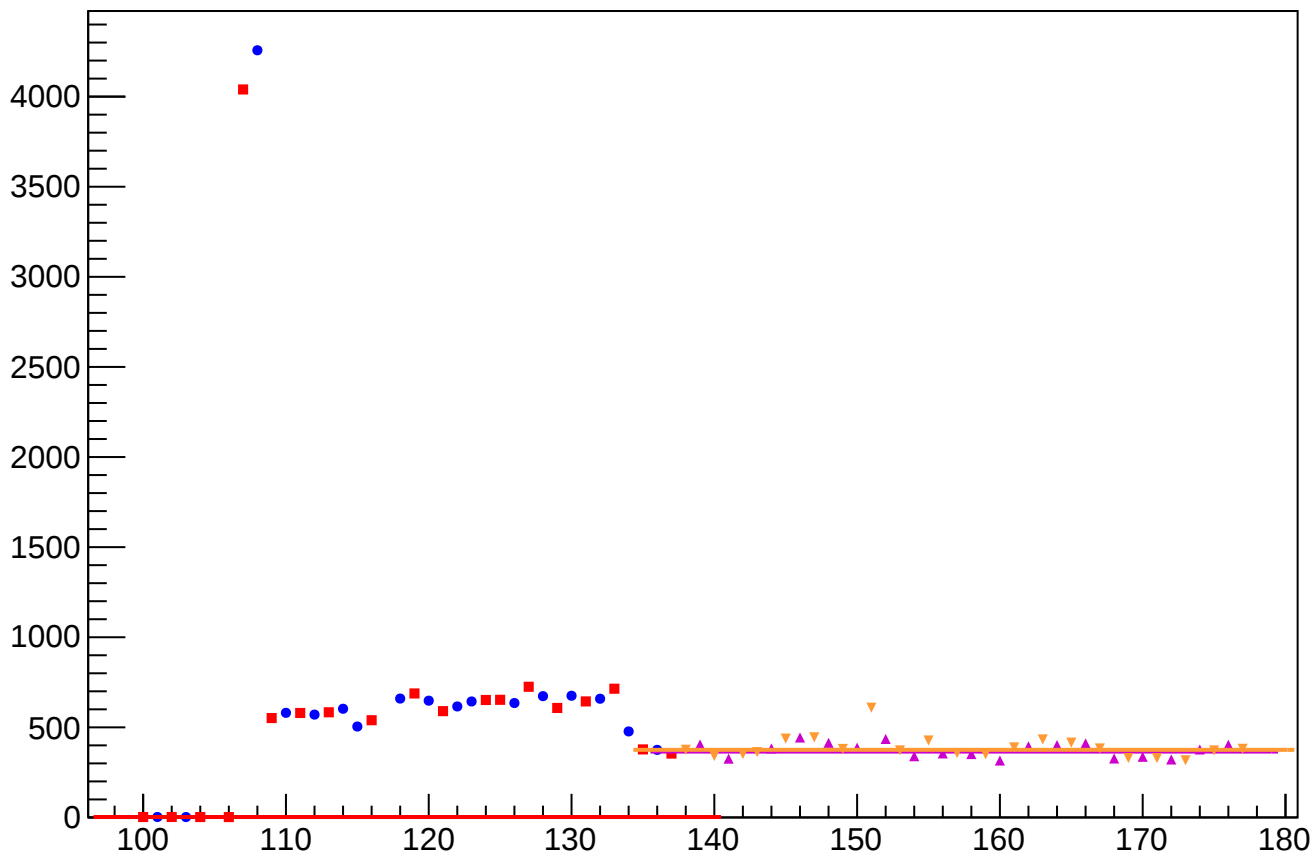
Left In: -96.630 ± 96.886 χ^2/NDF : 16.7/18

+ sign -1.702 ± 2.251 χ^2/NDF : 63.2/37

All: -1.207 ± 1.540 χ^2/NDF : 100.3/75

- sign -0.772 ± 2.111 χ^2/NDF : 37.0/37

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 375.308+/-0.068 χ^2/NDF : 505683.6/20

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

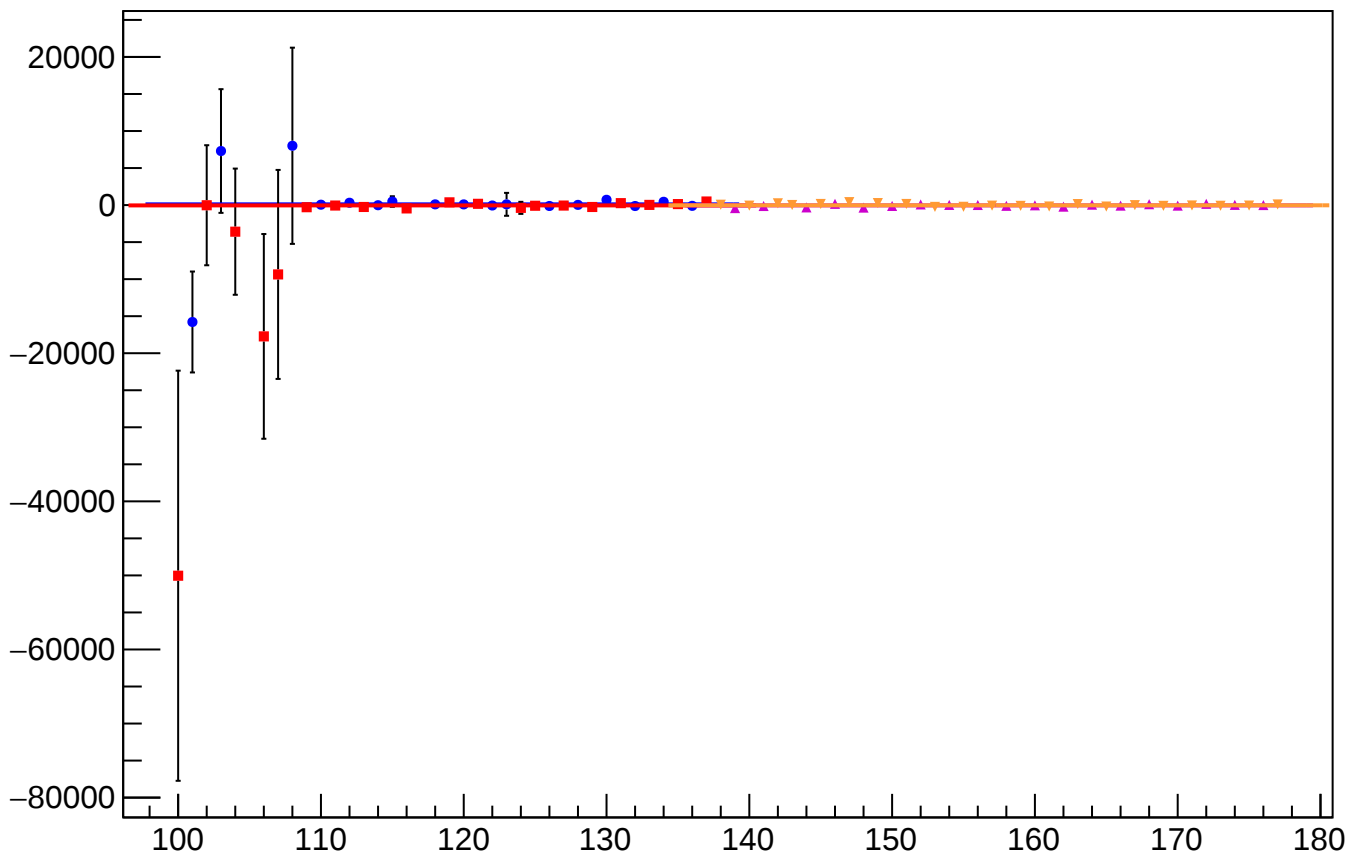
Left In: 365.592+/-0.069 χ^2/NDF : 311140.9/18

+ sign 2.663+/-0.002 χ^2/NDF : 41765800.3/37

All: 2.634+/-0.001 χ^2/NDF : 81311022.5/75

- sign 2.609+/-0.001 χ^2/NDF : 39544602.7/37

asym_cav4cQ_mean vs Slug



Right In: 98.643 $\pm$ 90.860 χ^2 /NDF: 11.9/16

Left Out: -29.124 $\pm$ 57.173 χ^2 /NDF: 6.6/20

Right Out: -42.302 $\pm$ 84.496 χ^2 /NDF: 13.9/18

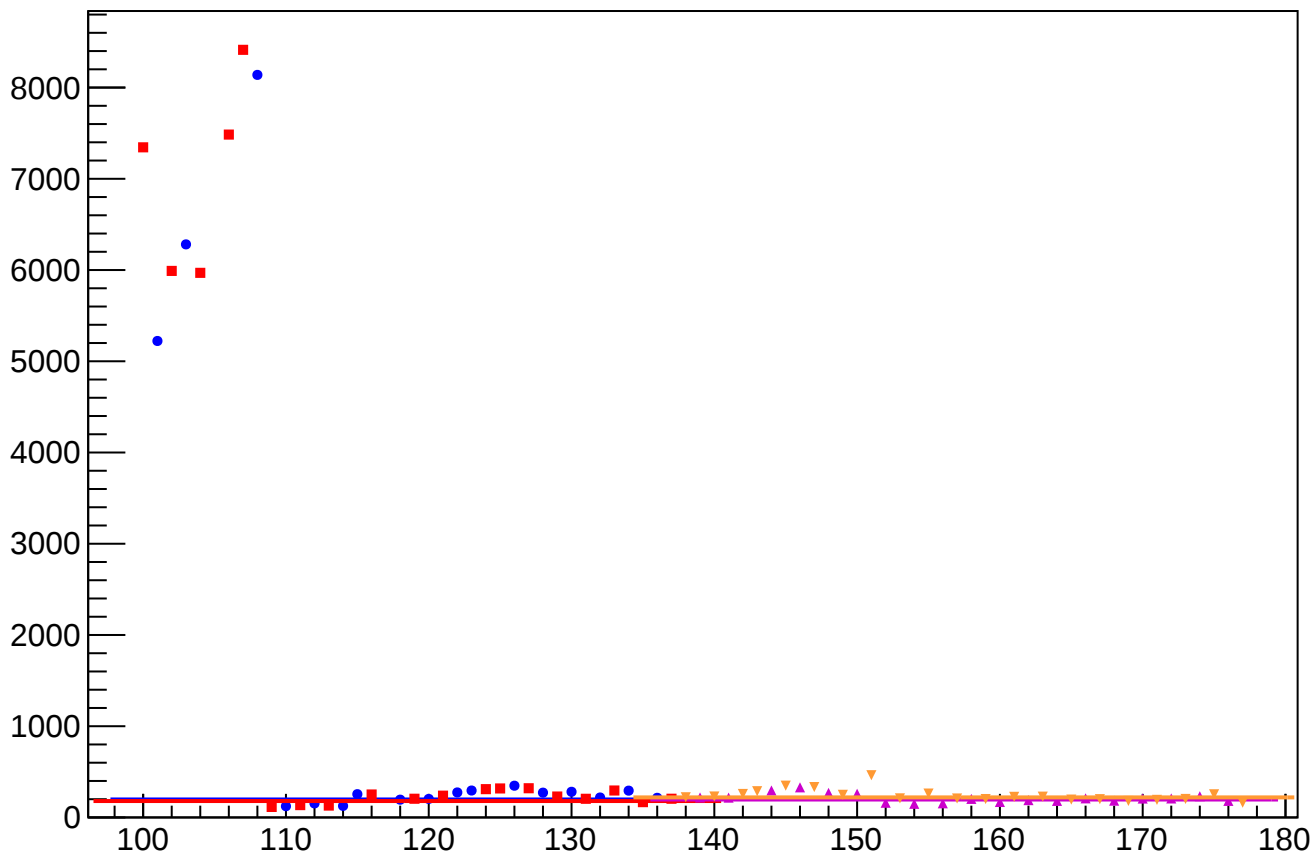
Left In: -39.124 $\pm$ 53.545 χ^2 /NDF: 6.9/18

+ sign 7.116 $\pm$ 48.390 χ^2 /NDF: 19.8/37

All: -18.050 $\pm$ 33.043 χ^2 /NDF: 41.1/75

- sign -40.035 $\pm$ 45.229 χ^2 /NDF: 20.8/37

asym_cav4cQ_rms vs Slug



Right In: 197.086 $\pm$ 0.064 χ^2 /NDF: 3693614.0/16

Left Out: 219.782 $\pm$ 0.040 χ^2 /NDF:1363283.4/20

Right Out: 179.949 $\pm$ 0.060 χ^2 /NDF: 4321173.8/18

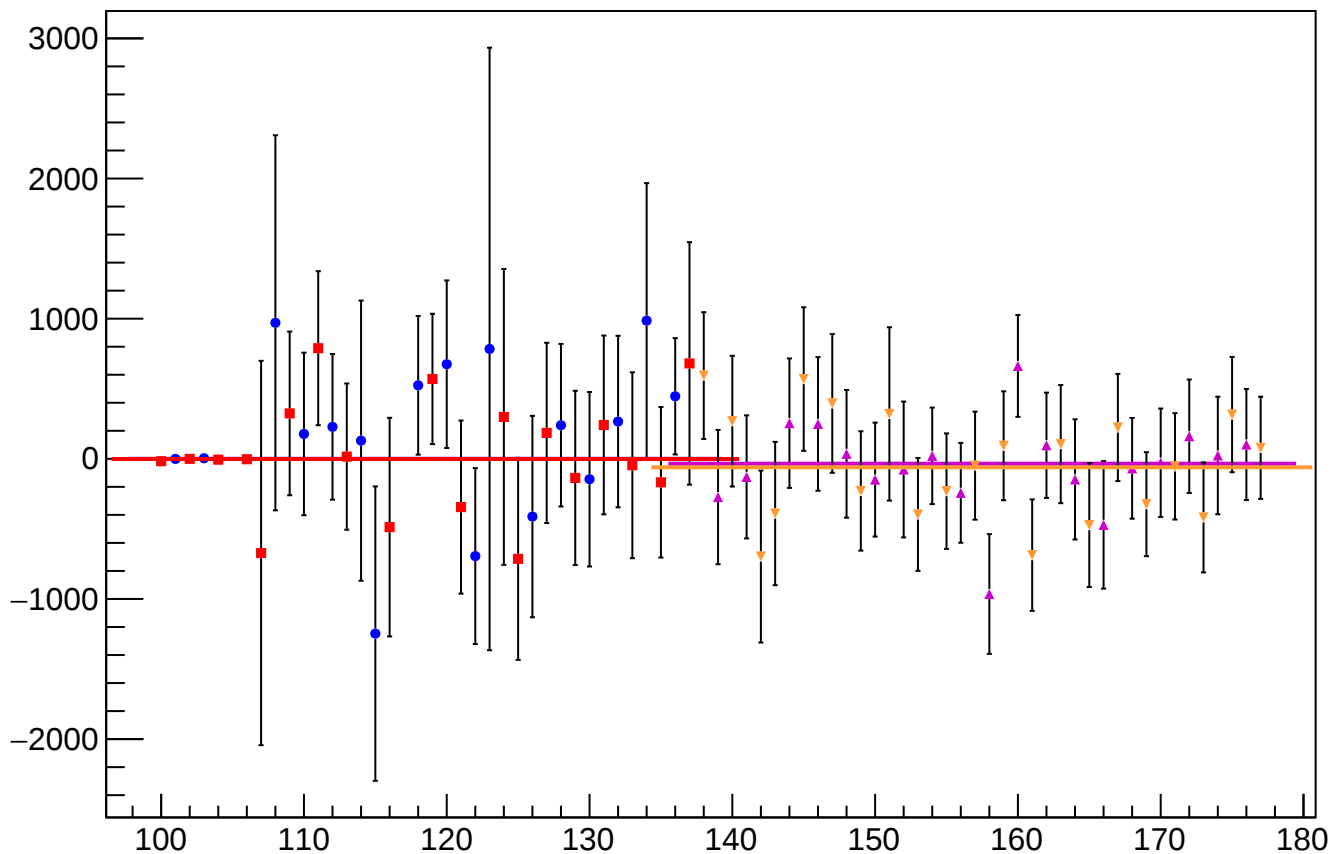
Left In: 196.594 $\pm$ 0.038 χ^2 /NDF:1123993.1/18

+ sign 213.344 $\pm$ 0.034 χ^2 /NDF: 5146295.6/37

All: 201.859 $\pm$ 0.023 χ^2 /NDF: 10857936.9/75

- sign 191.825 $\pm$ 0.032 χ^2 /NDF: 5500539.4/37

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: -60.555 ± 93.068 χ^2/NDF : 14.4/20

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

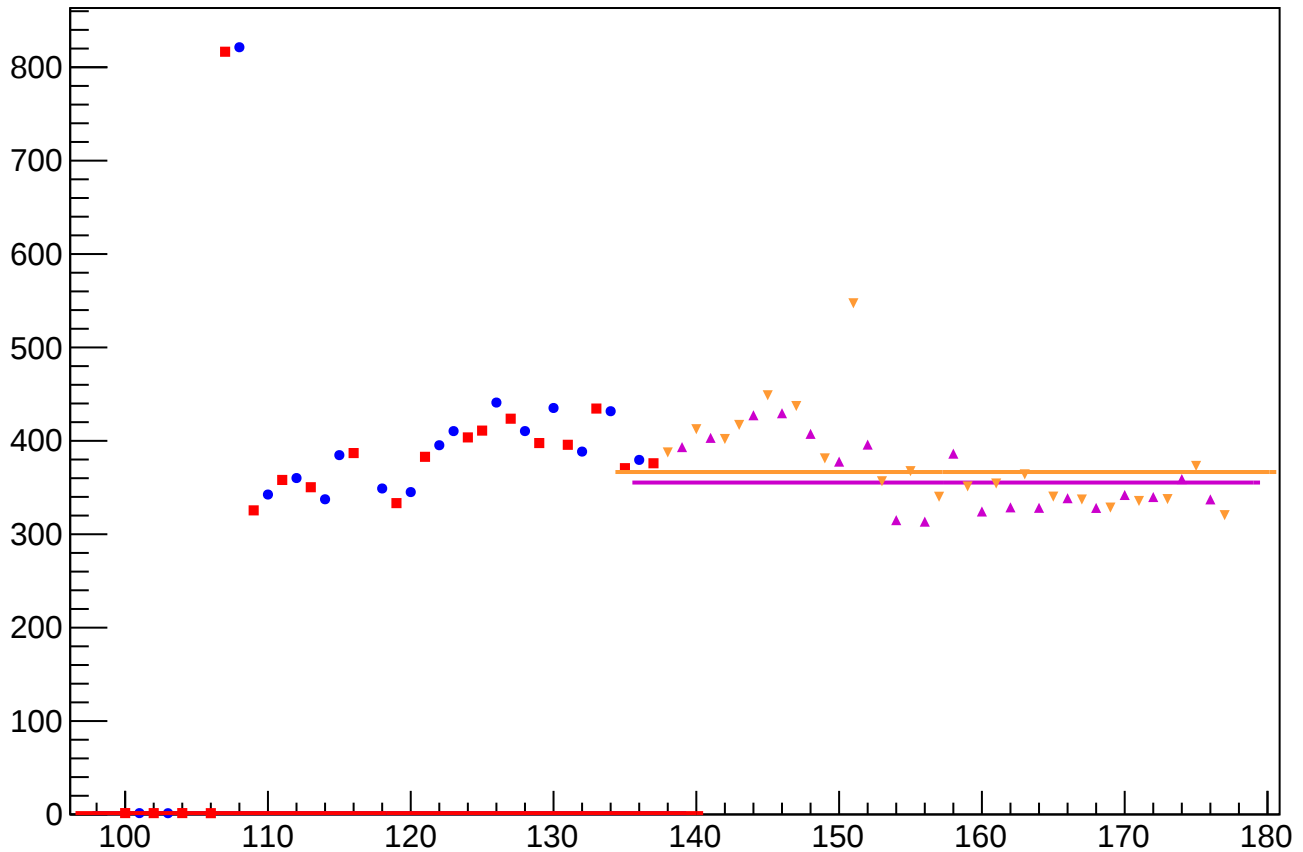
Left In: -34.930 ± 94.037 χ^2/NDF : 11.4/18

+ sign -0.159 ± 1.736 χ^2/NDF : 24.5/37

All: -0.786 ± 1.185 χ^2/NDF : 46.0/75

- sign -1.333 ± 1.622 χ^2/NDF : 21.2/37

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 366.637+/-0.066 χ^2/NDF : 427569.6/20

Right Out: 1.451+/-0.001 χ^2/NDF : 10880737.7/18

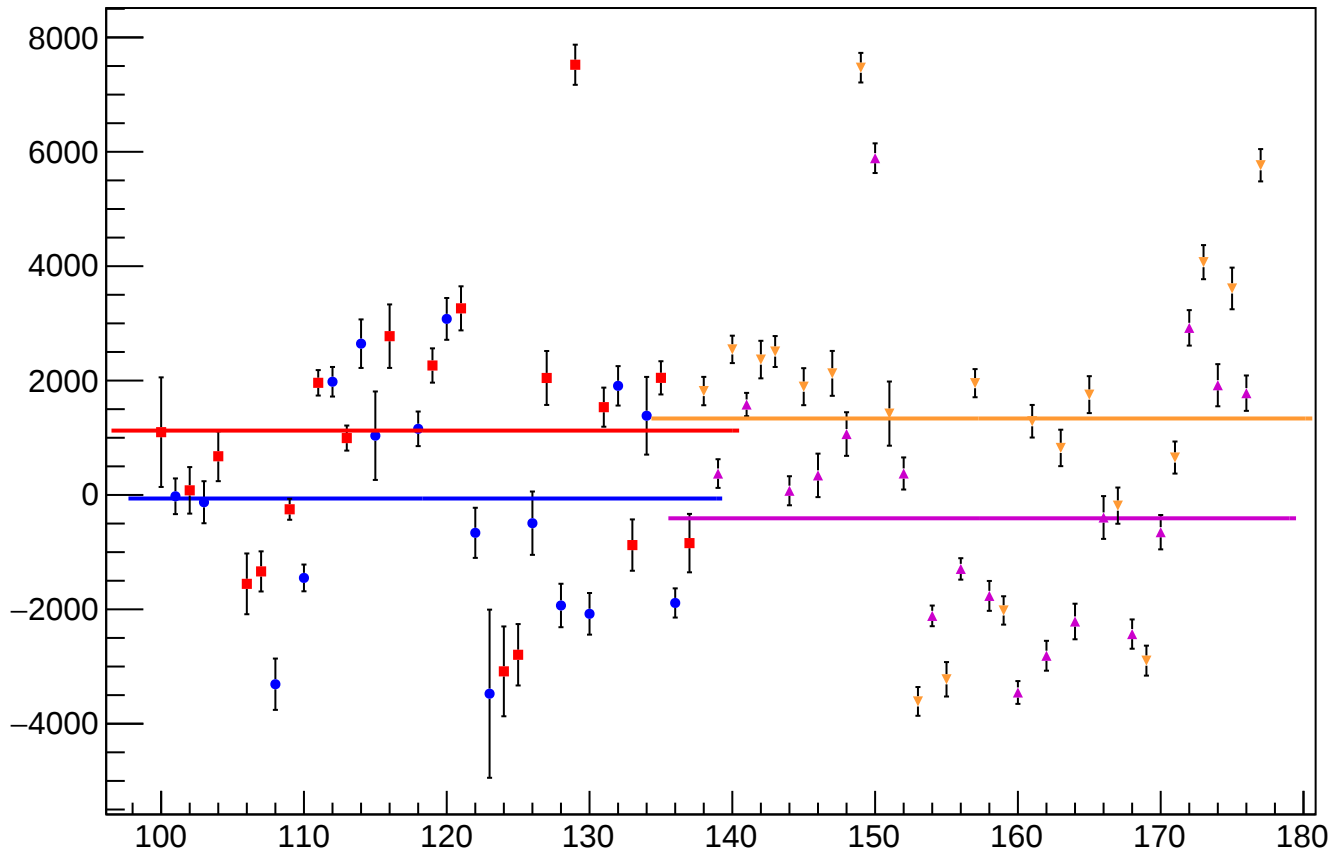
Left In: 355.352+/-0.066 χ^2/NDF : 301415.6/18

+ sign 1.580+/-0.001 χ^2/NDF : 42167731.2/37

All: 1.567+/-0.001 χ^2/NDF : 81668200.1/75

- sign 1.556+/-0.001 χ^2/NDF : 39500272.7/37

asym_bcm0l02_mean vs Slug



Right In: -62.164 $\pm$ 87.424 χ^2/NDF : 433.9/16

Left Out: 1337.129 $\pm$ 63.158 χ^2/NDF : 2095.4/20

Right Out: 1125.437 $\pm$ 78.370 χ^2/NDF : 671.2/18

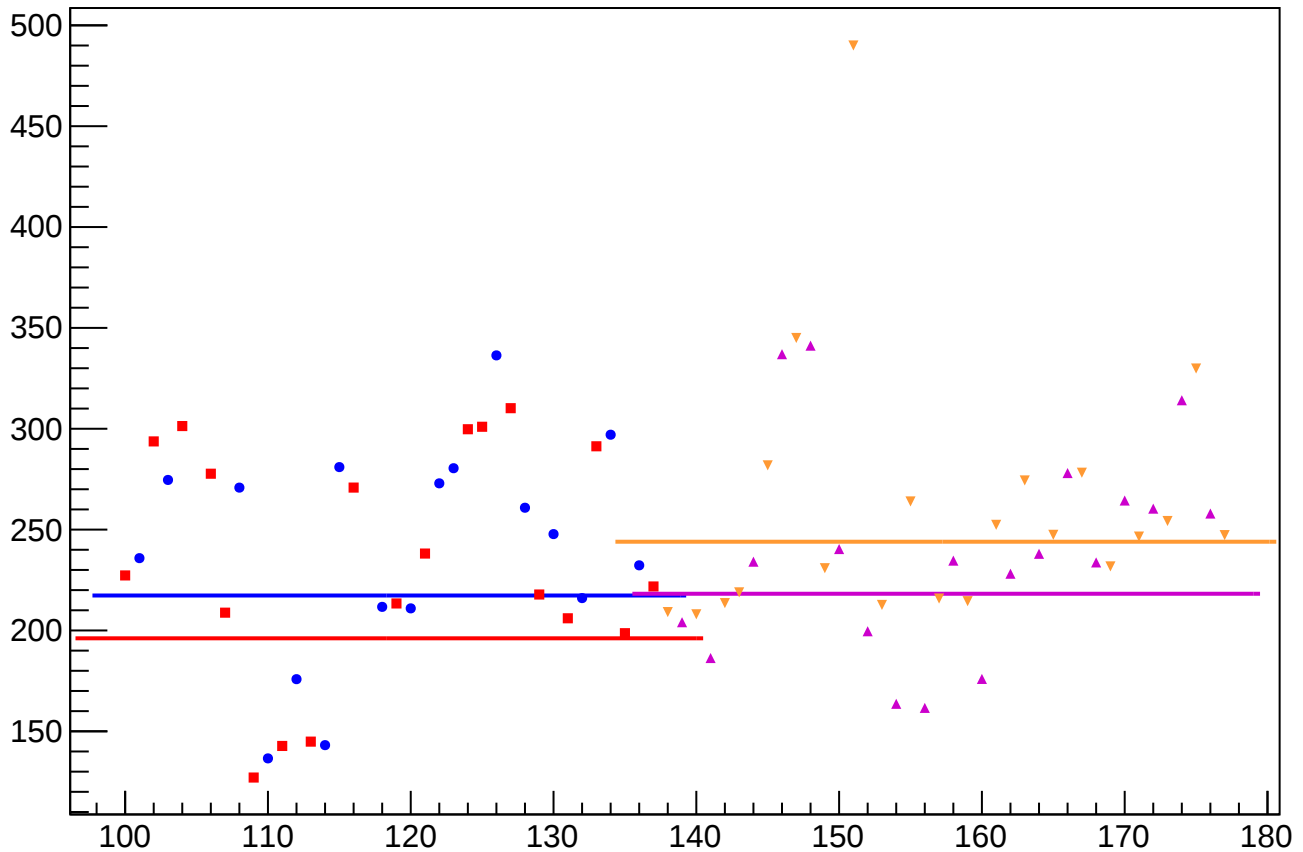
Left In: -408.148 $\pm$ 59.501 χ^2/NDF : 1482.7/18

+ sign 857.267 $\pm$ 51.196 χ^2/NDF : 2697.7/37

All: 477.782 $\pm$ 34.777 χ^2/NDF : 5196.5/75

- sign 152.620 $\pm$ 47.390 χ^2/NDF : 2396.8/37

asym_bcm0l02_rms vs Slug



Right In: 217.330 $\pm$ 0.062 χ^2 /NDF: 652722.5/16

Left Out: 243.993 $\pm$ 0.045 χ^2 /NDF: 925015.7/20

Right Out: 196.105 $\pm$ 0.055 χ^2 /NDF: 1190733.6/18

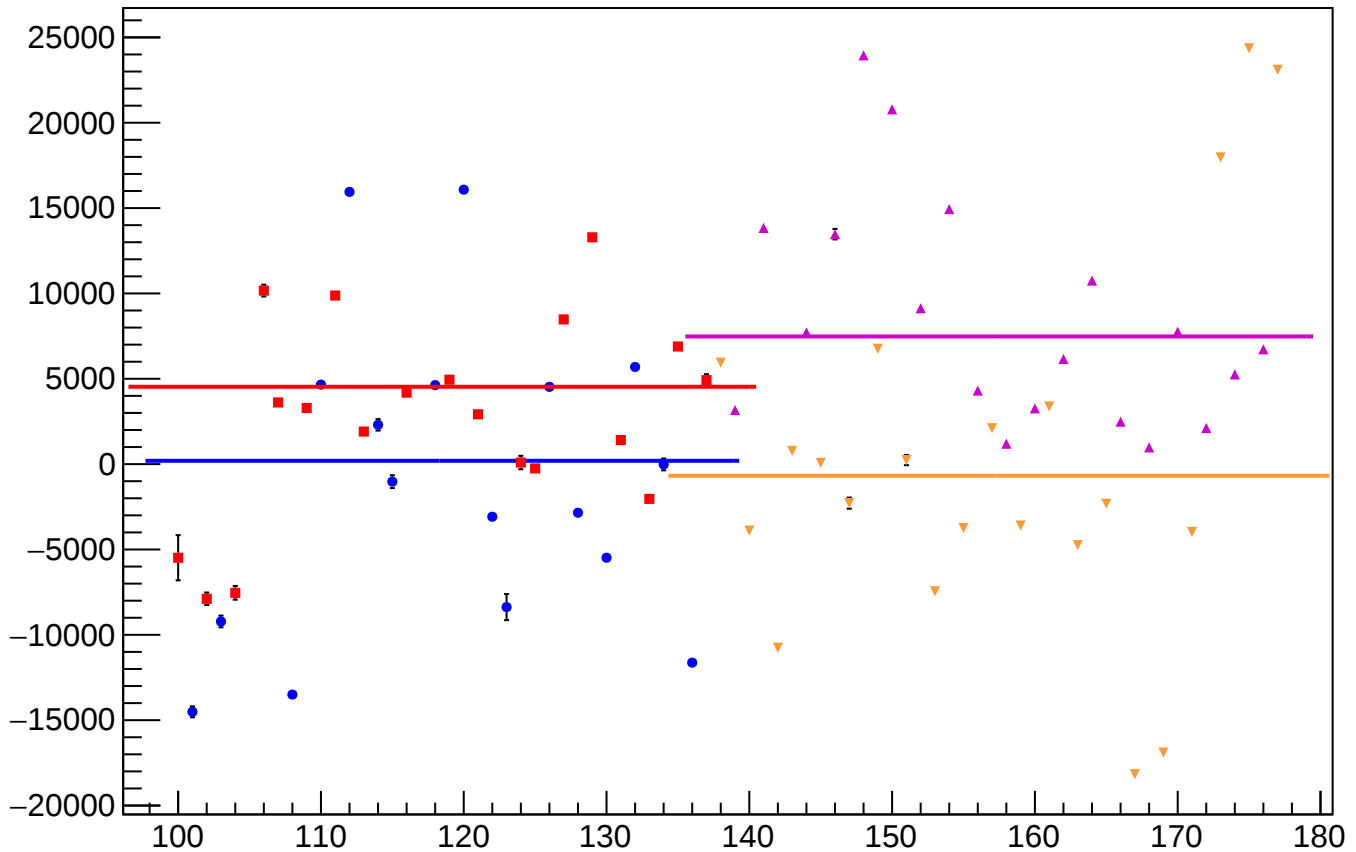
Left In: 218.195 $\pm$ 0.042 χ^2 /NDF: 1274472.2/18

+ sign 234.849 $\pm$ 0.036 χ^2 /NDF: 1699972.1/37

All: 221.530 $\pm$ 0.025 χ^2 /NDF: 4517326.8/75

- sign 210.118 $\pm$ 0.034 χ^2 /NDF: 2566002.6/37

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -679.019+/-44.315 χ^2/NDF : 52869.3/20

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

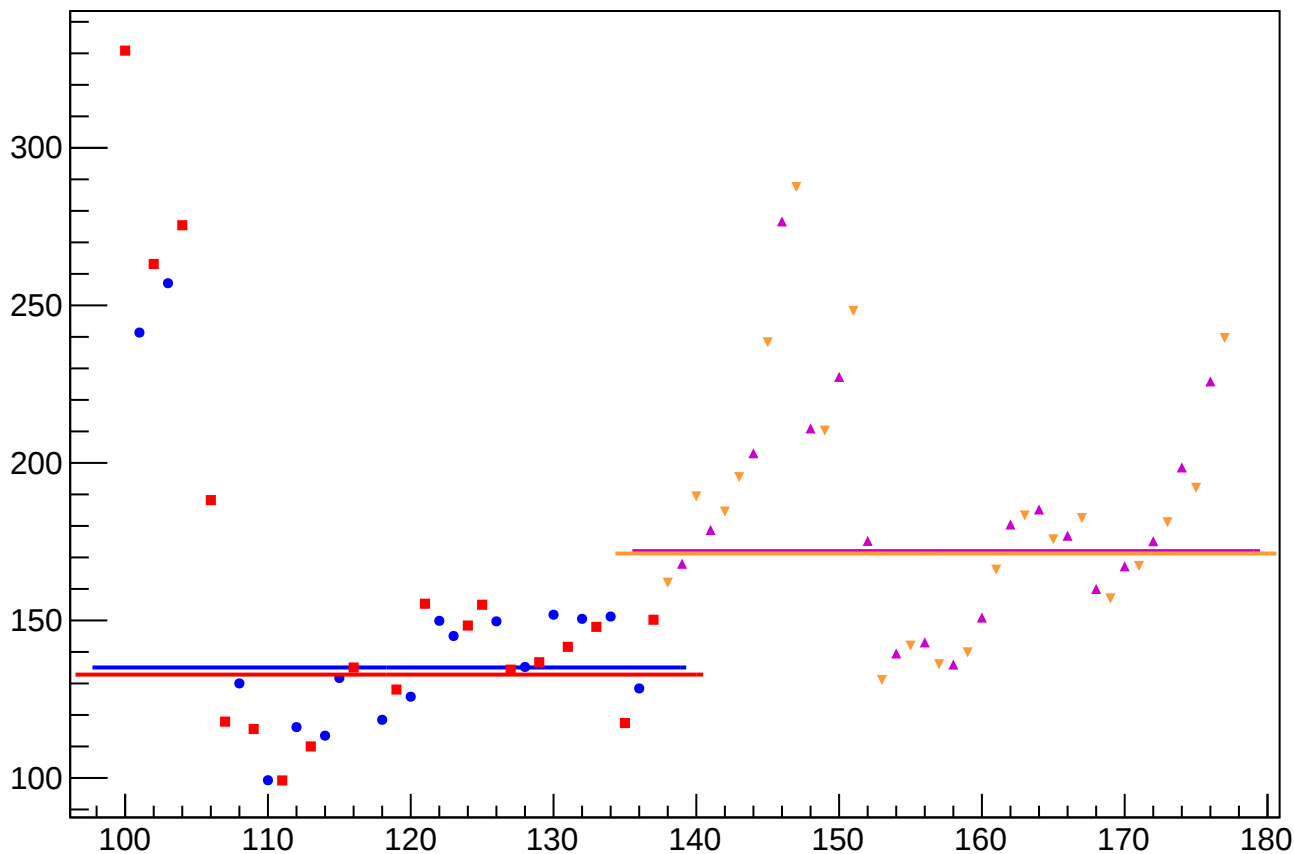
Left In: 7479.863+/-46.370 χ^2/NDF : 17297.4/18

+ sign -332.642+/-34.458 χ^2/NDF : 83682.1/37

All: 2900.699+/-24.466 χ^2/NDF : 127983.6/75

- sign 6187.915+/-34.743 χ^2/NDF : 26544.6/37

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 171.246 $\pm$ 0.031 χ^2 /NDF: 1181064.4/20

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

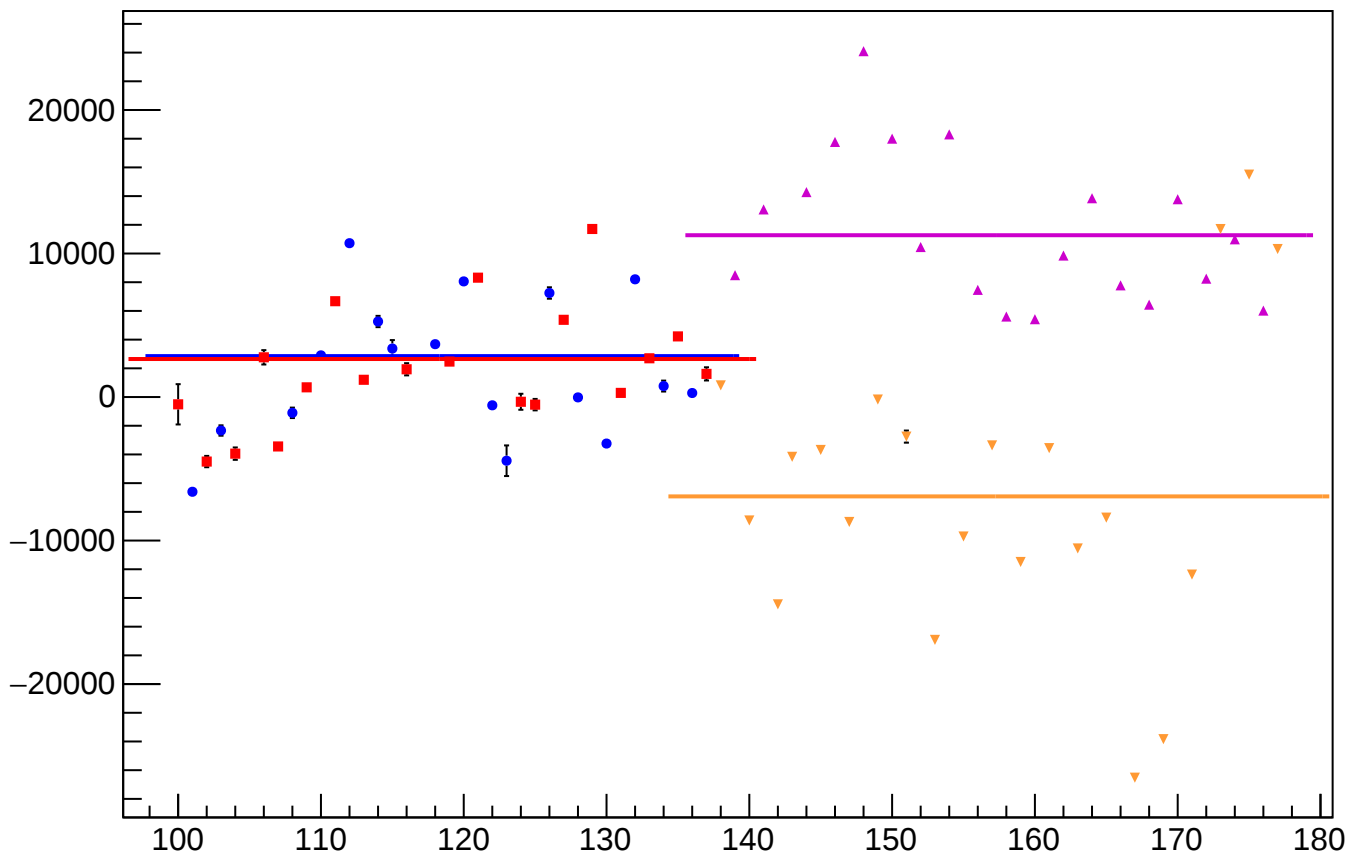
Left In: 172.015 $\pm$ 0.033 χ^2 /NDF: 854493.3/18

+ sign 156.943 $\pm$ 0.024 χ^2 /NDF: 2366702.9/37

All: 155.891 $\pm$ 0.017 χ^2 /NDF: 4682998.4/75

- sign 154.823 $\pm$ 0.025 χ^2 /NDF: 2312541.1/37

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -6923.044+/-49.472 χ^2/NDF : 44540.6/20

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

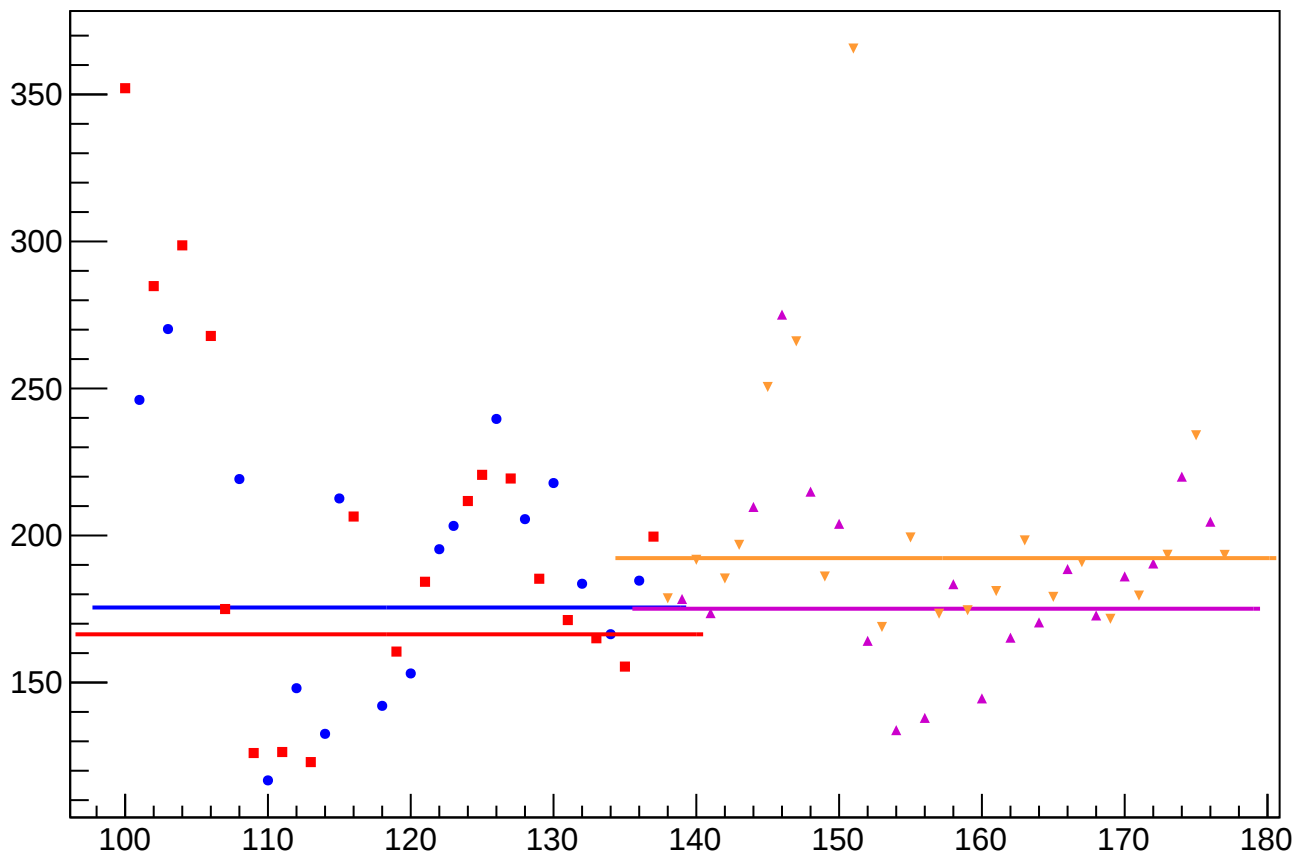
Left In: 11275.058+/-47.256 χ^2/NDF : 11295.1/18

+ sign -3713.469+/-40.544 χ^2/NDF : 61537.0/37

All: 2642.984+/-27.868 χ^2/NDF : 133955.1/75

- sign 8335.845+/-38.369 χ^2/NDF : 25824.2/37

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 192.308 $\pm$ 0.035 χ^2 /NDF: 711123.1/20

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

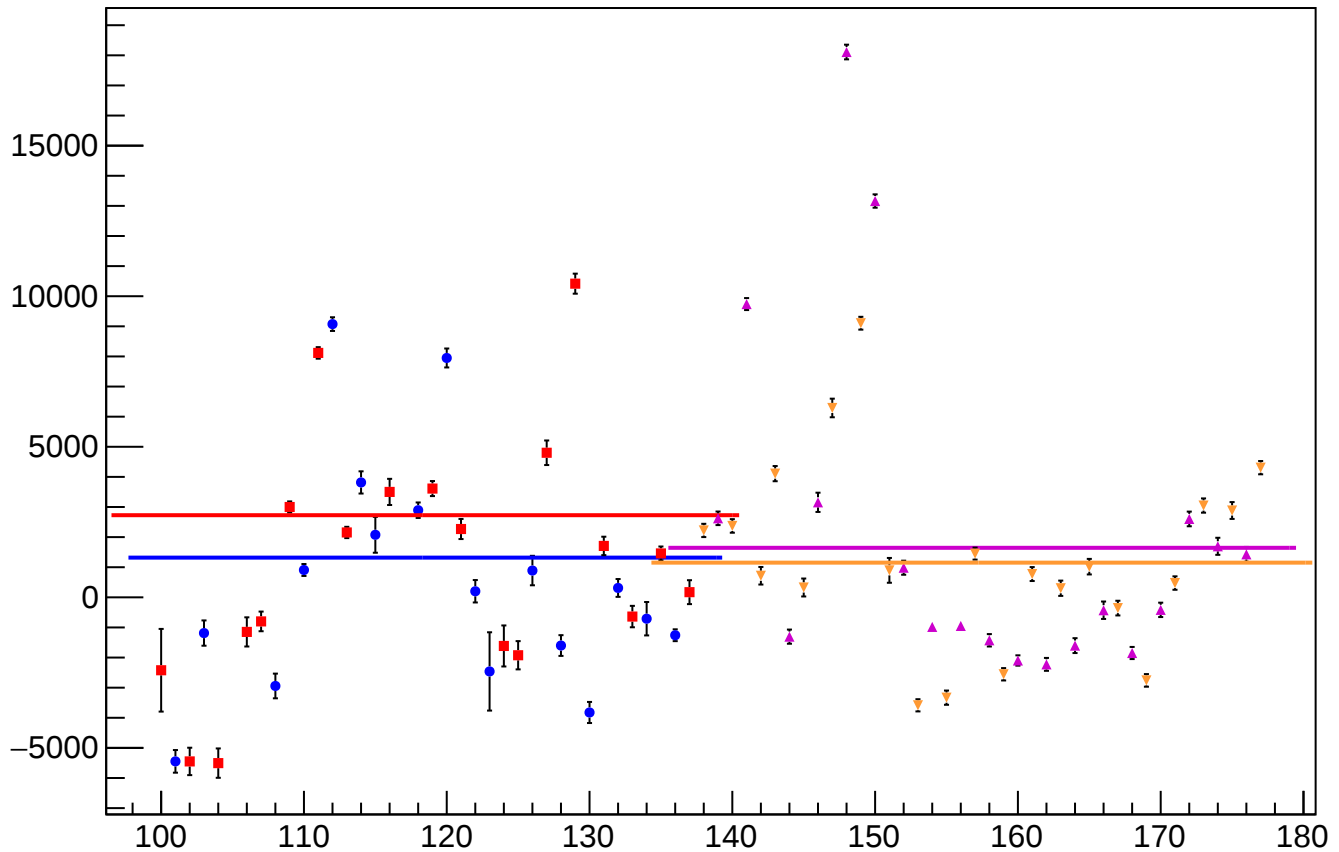
Left In: 175.096 $\pm$ 0.033 χ^2 /NDF: 807542.6/18

+ sign 186.793 $\pm$ 0.029 χ^2 /NDF: 1476438.5/37

All: 179.058 $\pm$ 0.020 χ^2 /NDF: 3374629.5/75

- sign 172.130 $\pm$ 0.027 χ^2 /NDF: 1760190.4/37

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1152.137+/-52.102 χ^2/NDF : 3820.0/20

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

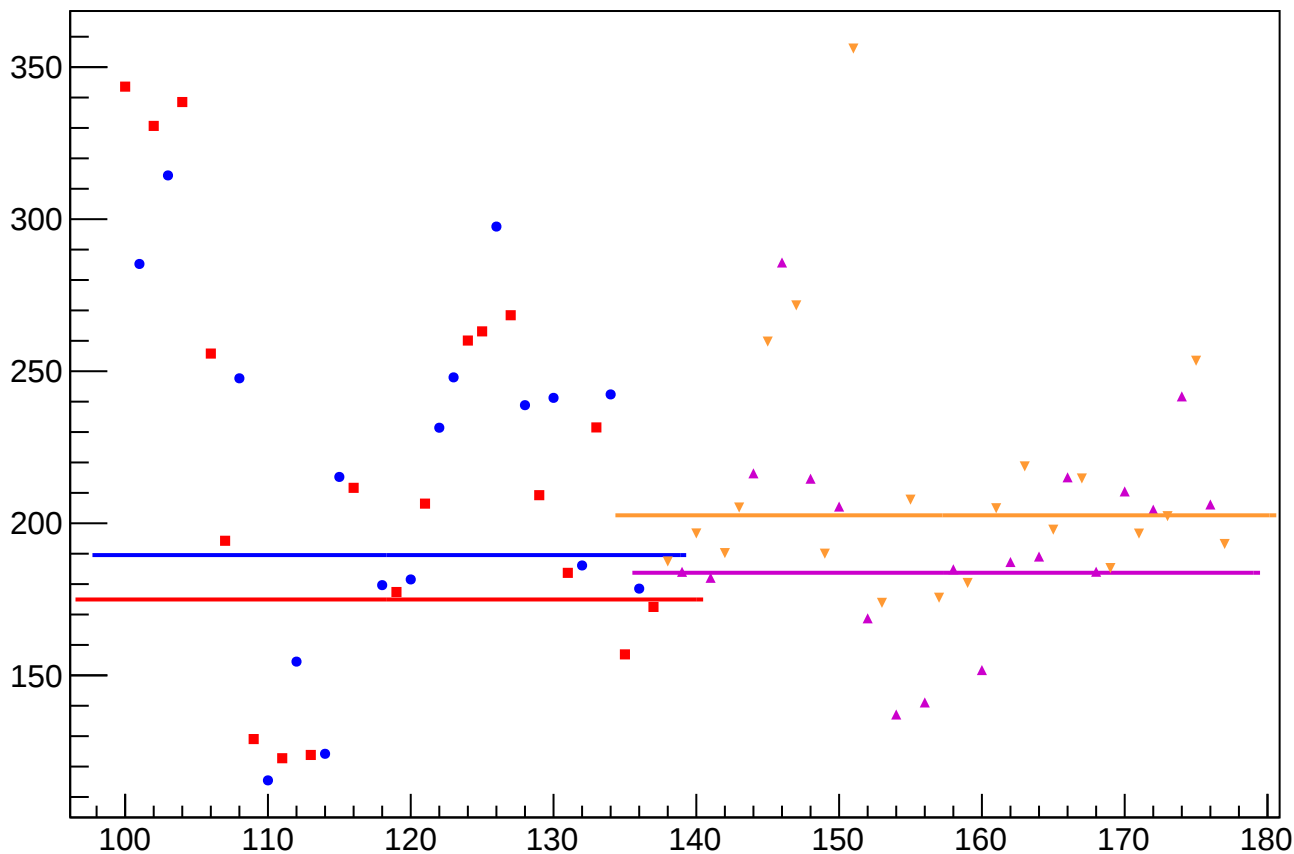
Left In: 1644.707+/-49.675 χ^2/NDF : 11303.6/18

+ sign 1204.409+/-43.177 χ^2/NDF : 6490.2/37

All: 1631.330+/-29.545 χ^2/NDF : 20632.7/75

- sign 2007.261+/-40.517 χ^2/NDF : 13958.7/37

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 202.623 $\pm$ 0.037 χ^2 /NDF: 672848.7/20

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

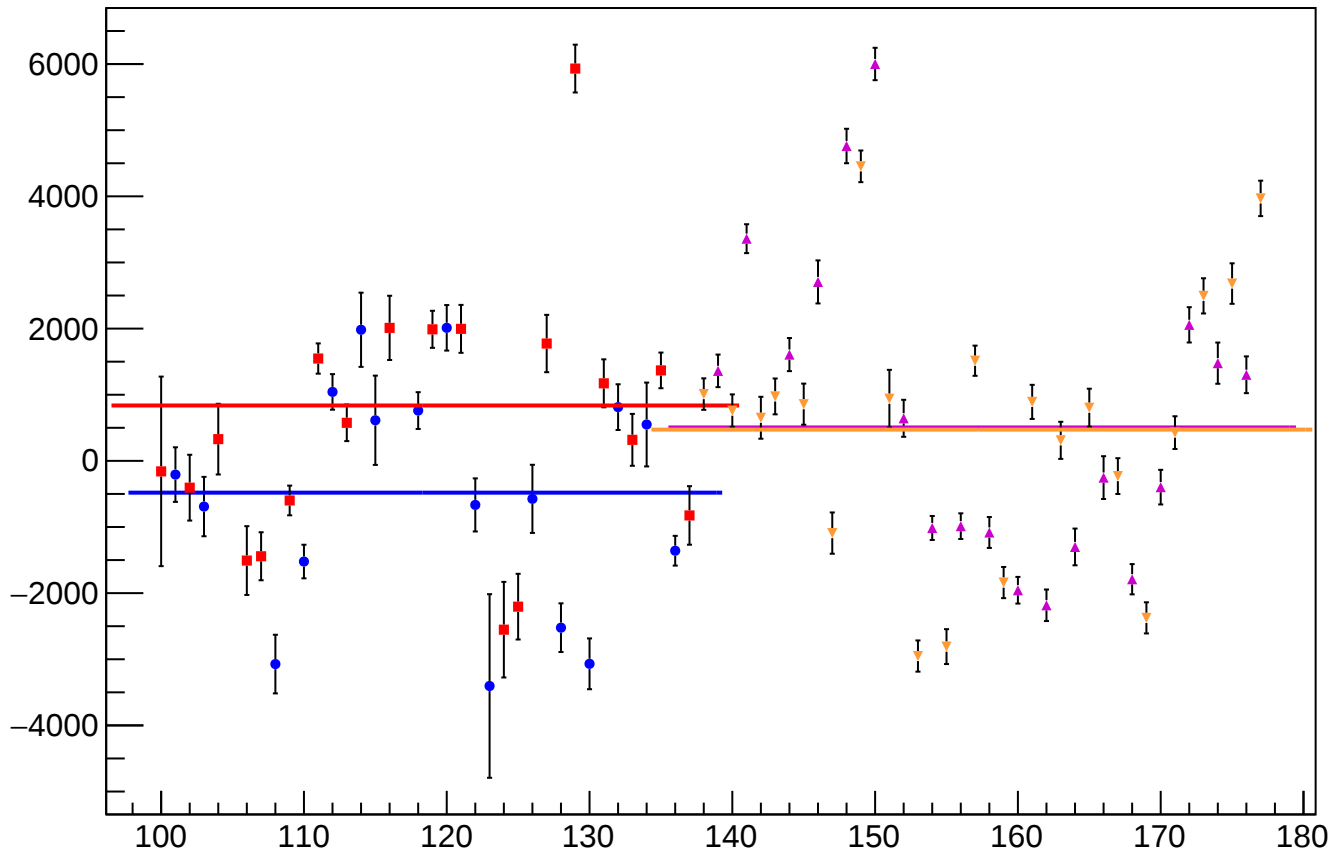
Left In: 183.730 $\pm$ 0.035 χ^2 /NDF: 863920.6/18

+ sign 198.526 $\pm$ 0.031 χ^2 /NDF: 1693069.1/37

All: 189.094 $\pm$ 0.021 χ^2 /NDF: 4054523.8/75

- sign 180.789 $\pm$ 0.029 χ^2 /NDF: 2181970.7/37

asym_bpm0i07WS_mean vs Slug



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 472.752+/-58.004 χ^2/NDF : 1234.5/20

Right Out: 837.442+/-82.243 χ^2/NDF : 435.3/18

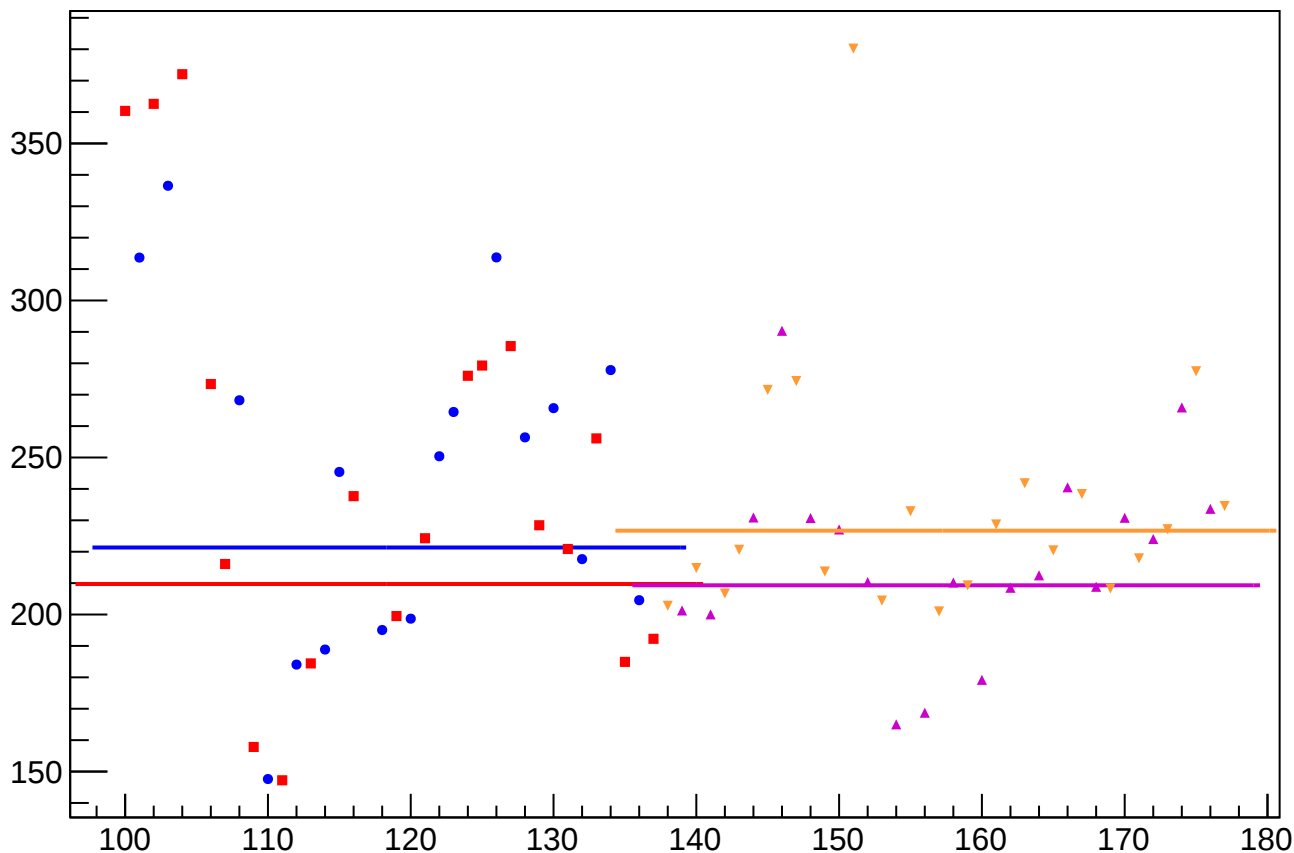
Left In: 505.379+/-56.082 χ^2/NDF : 1681.9/18

+ sign 186.923+/-48.536 χ^2/NDF : 1606.2/37

All: 408.680+/-33.515 χ^2/NDF : 3774.4/75

- sign 610.777+/-46.335 χ^2/NDF : 2128.4/37

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 226.699 $\pm$ 0.041 χ^2 /NDF: 512754.4/20

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

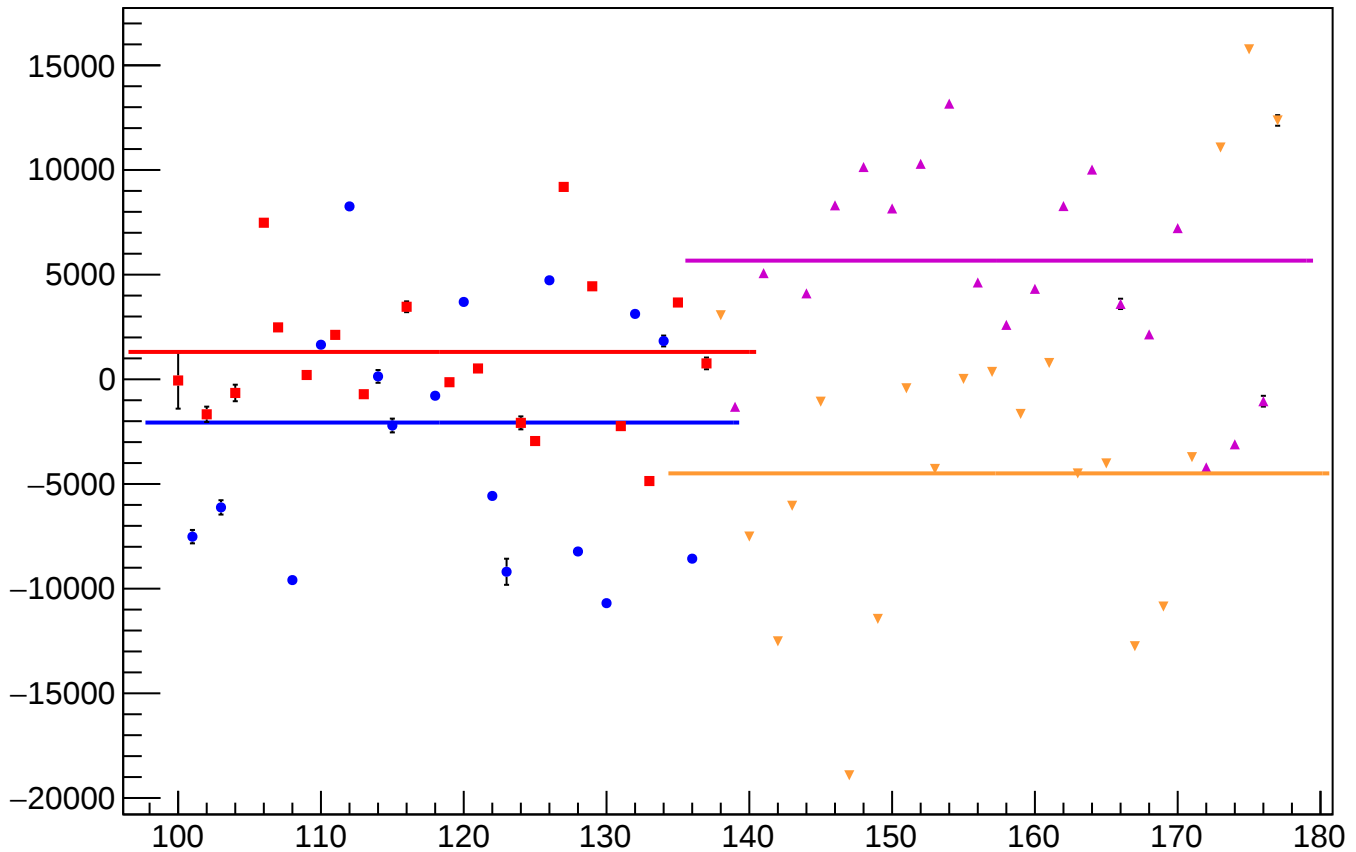
Left In: 209.303 $\pm$ 0.040 χ^2 /NDF: 539871.1/18

+ sign 225.093 $\pm$ 0.034 χ^2 /NDF: 1163556.1/37

All: 216.900 $\pm$ 0.024 χ^2 /NDF: 2696288.2/75

- sign 209.434 $\pm$ 0.033 χ^2 /NDF: 1423823.4/37

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -4493.111 ± 34.797 $\chi^2/\text{NDF}: 49444.5/20$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

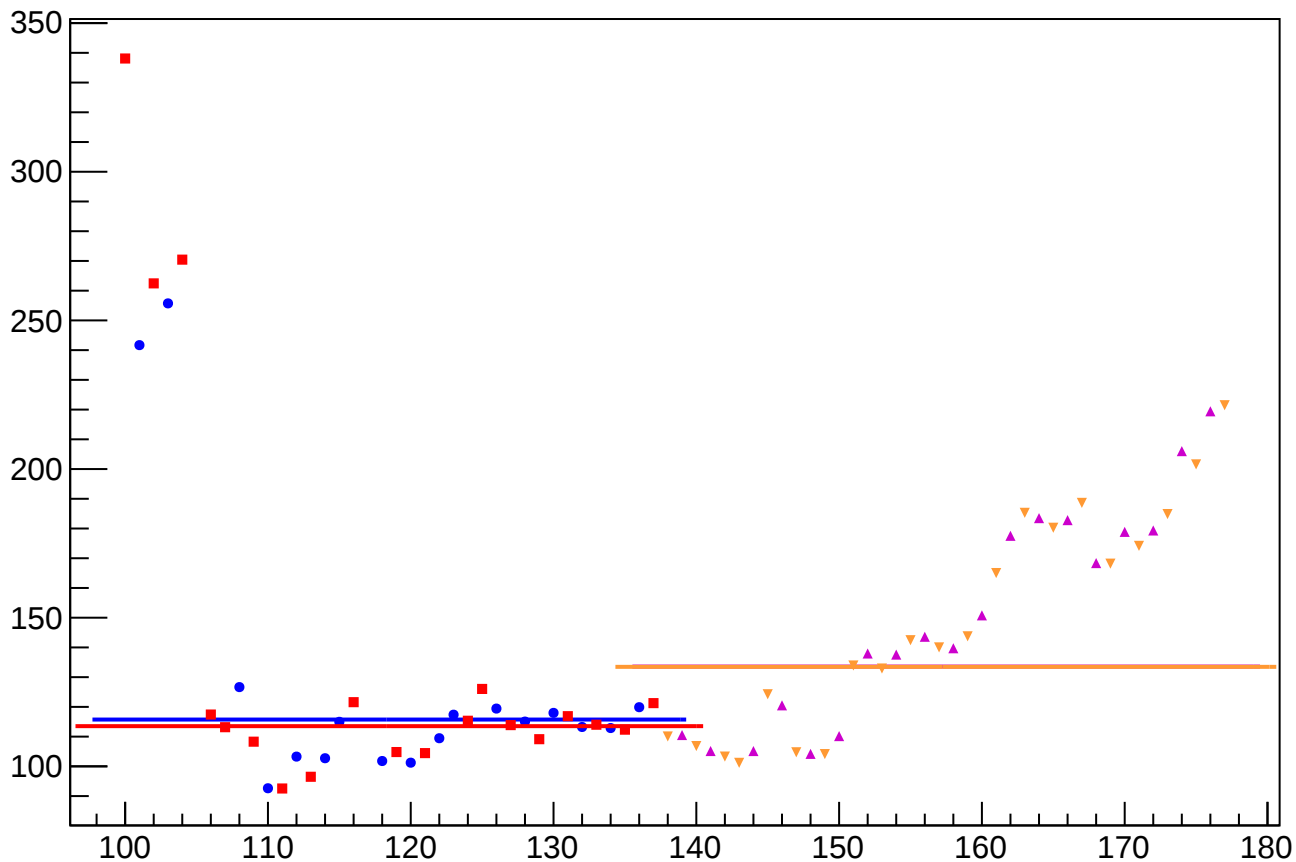
Left In: 5669.772 ± 36.091 $\chi^2/\text{NDF}: 14090.4/18$

+ sign -3641.039 ± 28.034 $\chi^2/\text{NDF}: 67686.4/37$

All: 144.442 ± 19.865 $\chi^2/\text{NDF}: 130012.4/75$

- sign 3962.635 ± 28.155 $\chi^2/\text{NDF}: 25700.8/37$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 133.469+/-0.025 χ^2/NDF : 1708605.7/20

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

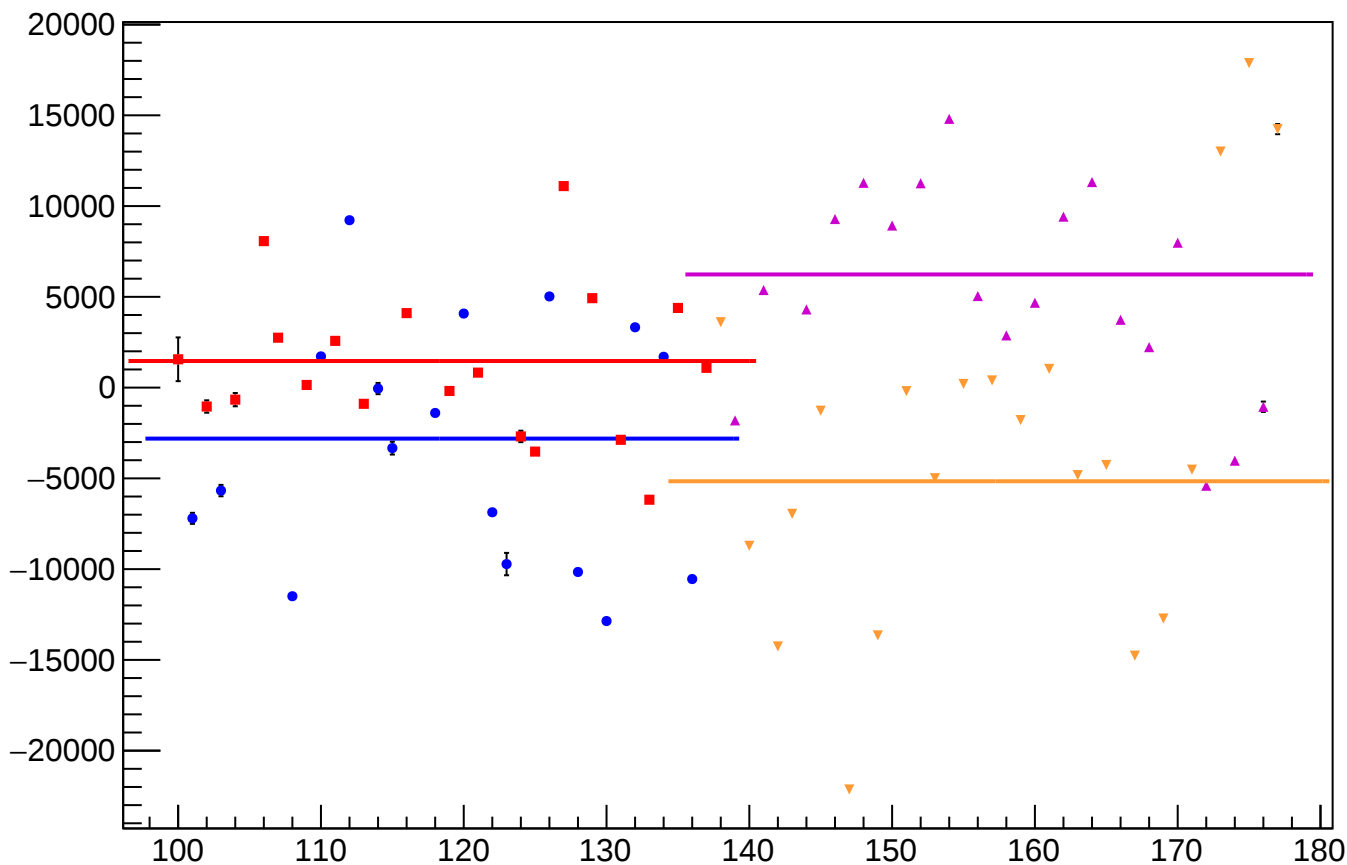
Left In: 133.564+/-0.026 χ^2/NDF : 1479483.6/18

+ sign 127.248+/-0.020 χ^2/NDF : 2634819.3/37

All: 126.486+/-0.014 χ^2/NDF : 5155392.5/75

- sign 125.718+/-0.020 χ^2/NDF : 2517607.7/37

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101+/-48.284 χ^2/NDF : 21263.1/16

Left Out: -5158.391+/-37.029 χ^2/NDF : 57553.0/20

Right Out: 1465.074+/-46.394 χ^2/NDF : 8004.7/18

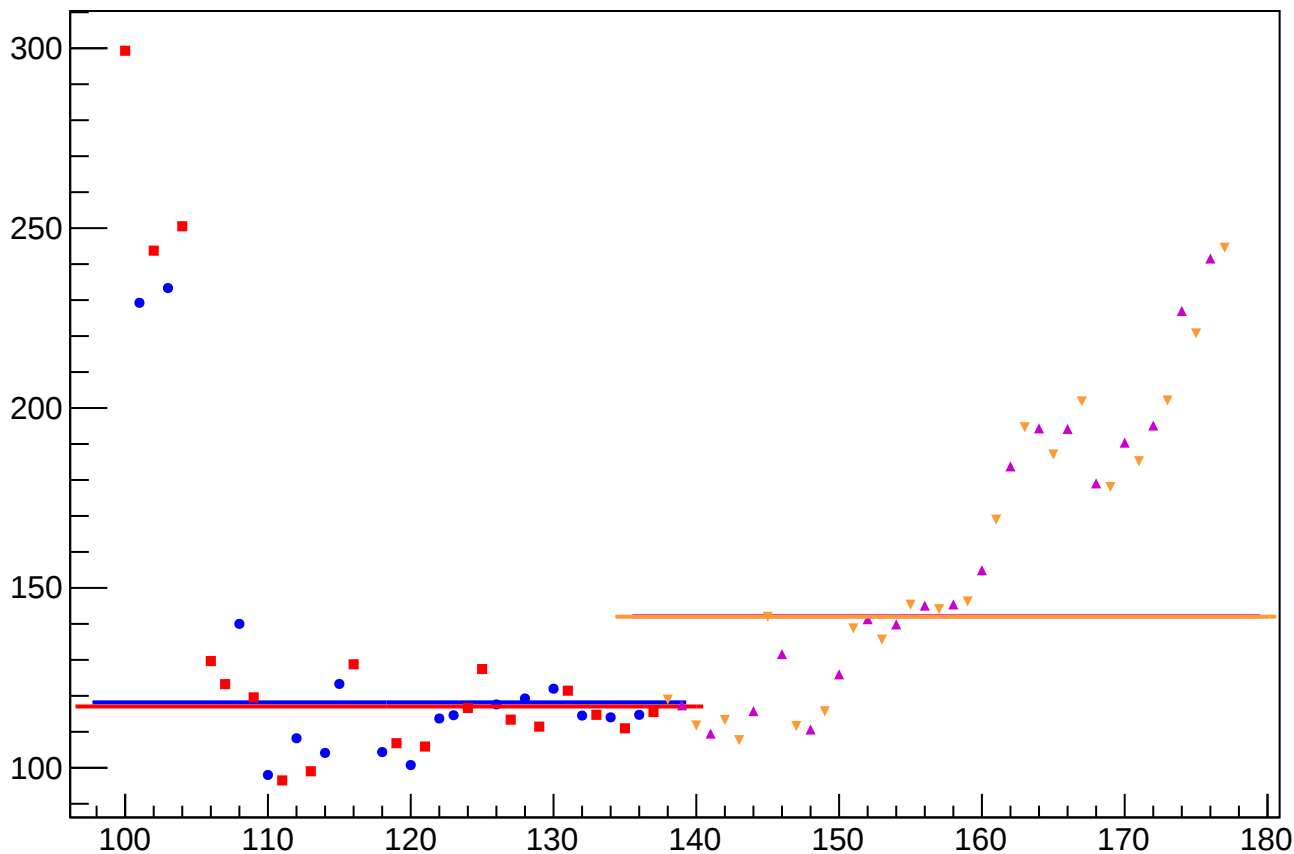
Left In: 6233.678+/-38.416 χ^2/NDF : 16340.8/18

+ sign -4288.388+/-29.383 χ^2/NDF : 80306.8/37

All: -27.145+/-20.849 χ^2/NDF : 153278.8/75

- sign 4294.026+/-29.589 χ^2/NDF : 30612.8/37

asym_bpm2i01WS_rms vs Slug



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 142.000+/-0.026 χ^2/NDF : 1657373.6/20

Right Out: 117.046+/-0.033 χ^2/NDF : 690635.5/18

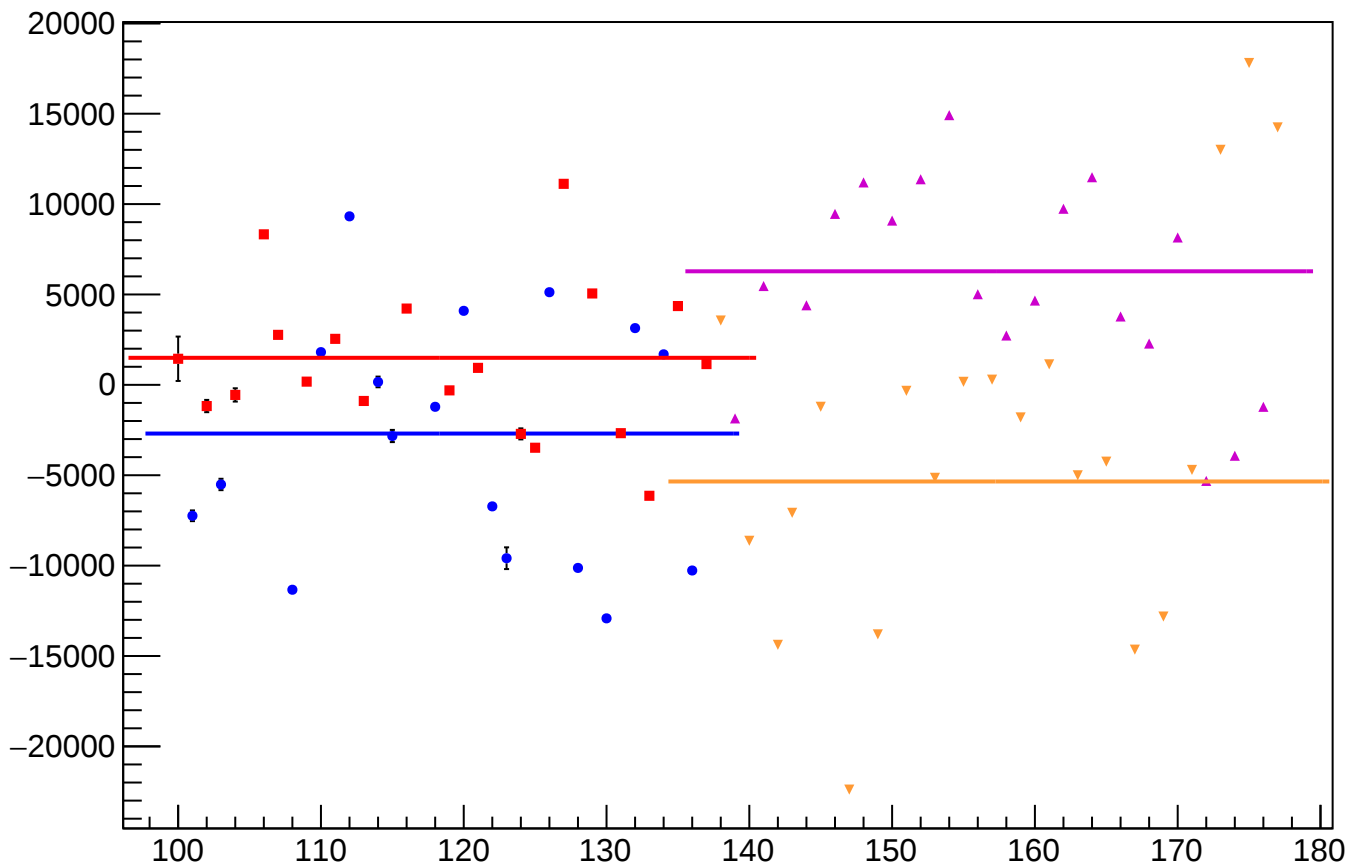
Left In: 142.144+/-0.027 χ^2/NDF : 1433009.1/18

+ sign 133.182+/-0.021 χ^2/NDF : 2599892.6/37

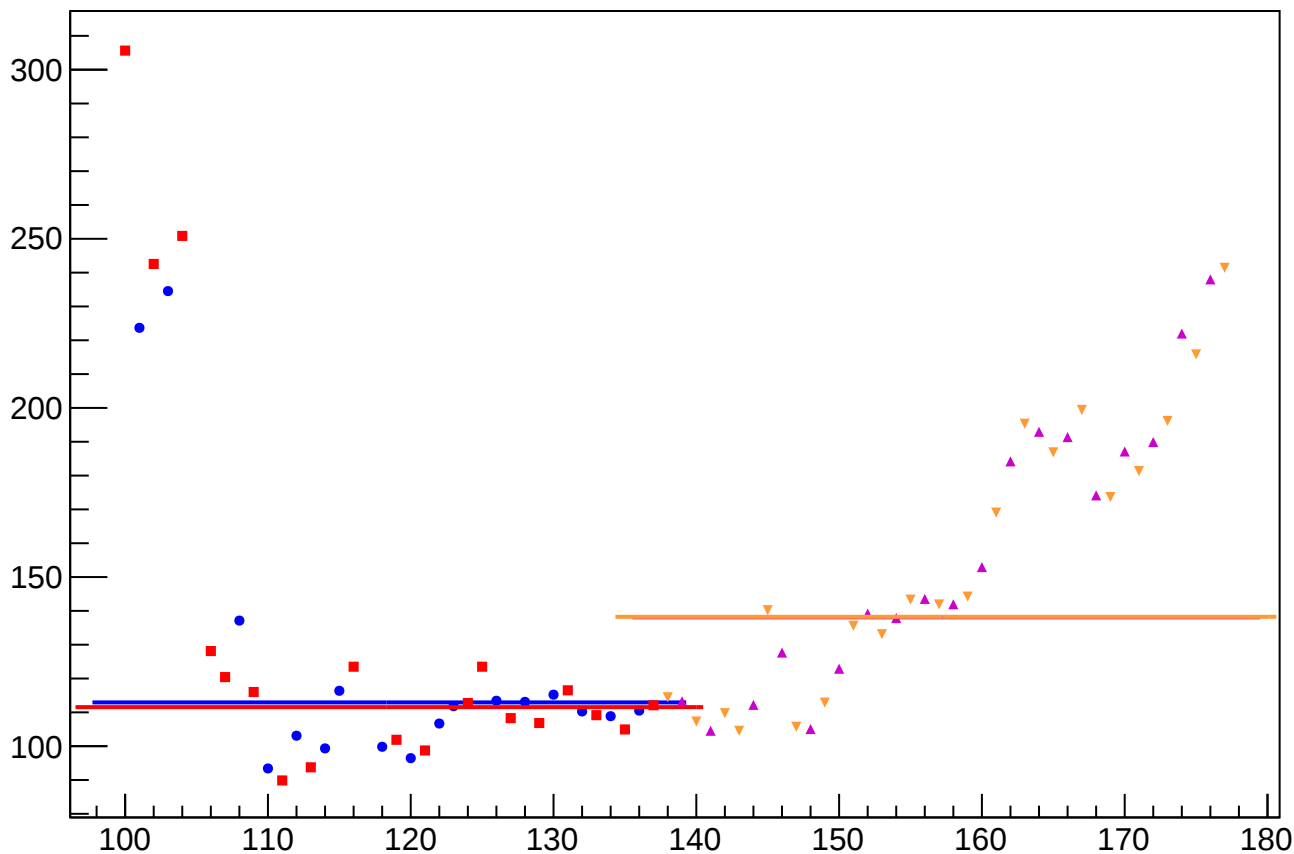
All: 132.563+/-0.015 χ^2/NDF : 5072553.7/75

- sign 131.935+/-0.021 χ^2/NDF : 2470873.5/37

asym_bpm2i02WS_mean vs Slug



asym_bpm2i02WS_rms vs Slug



Right In: 112.940+/-0.033 χ^2/NDF : 680283.1/16

Left Out: 138.253+/-0.026 χ^2/NDF :1781724.7/20

Right Out: 111.544+/-0.031 χ^2/NDF : 765502.6/18

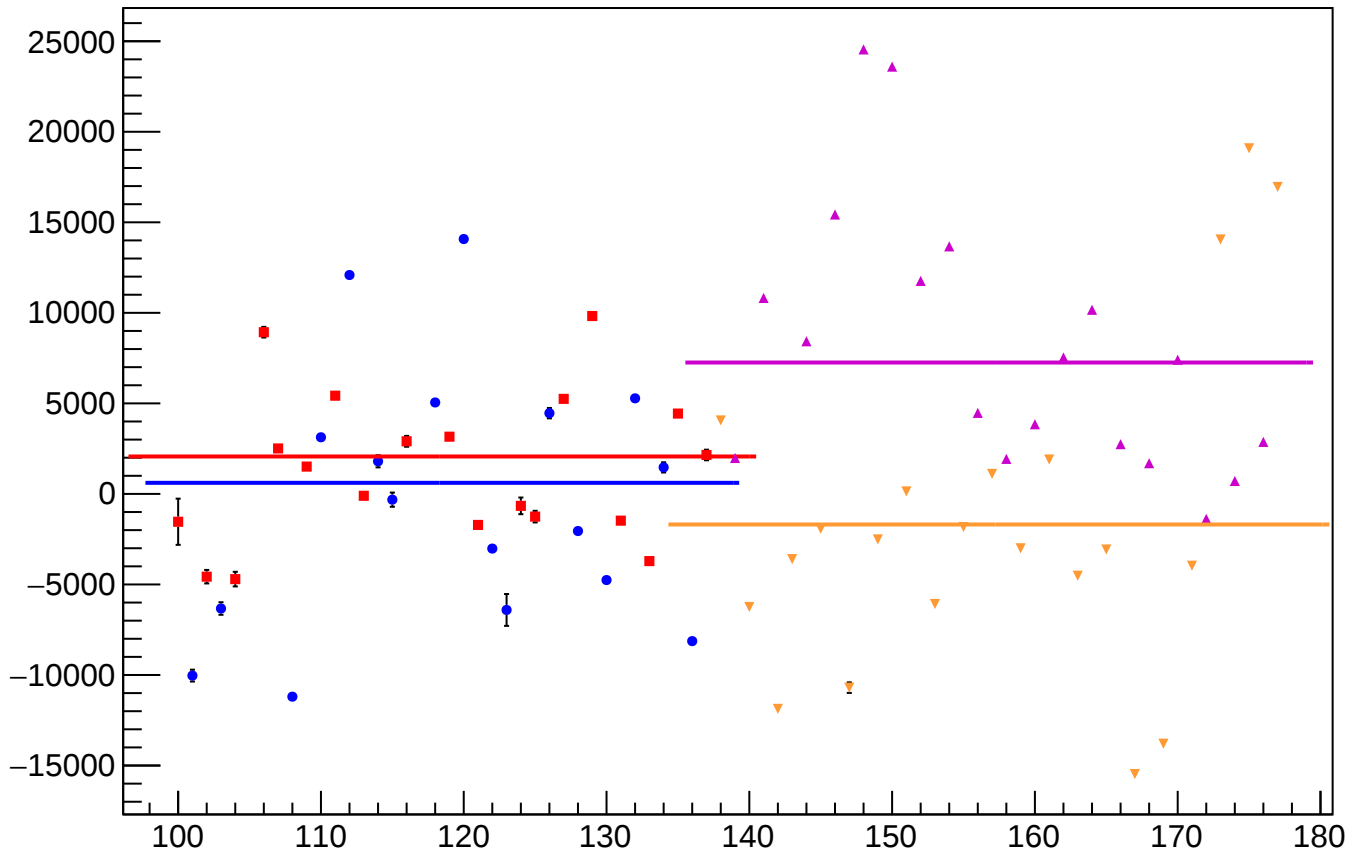
Left In: 138.096+/-0.026 χ^2/NDF :1549503.3/18

+ sign 128.677+/-0.020 χ^2/NDF : 2832889.3/37

All: 127.880+/-0.014 χ^2/NDF : 5568617.8/75

- sign 127.076+/-0.020 χ^2/NDF : 2732590.5/37

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -1688.776 ± 41.340 $\chi^2/\text{NDF}: 36979.6/20$

Right Out: 2067.410 ± 53.931 $\chi^2/\text{NDF}: 4642.7/18$

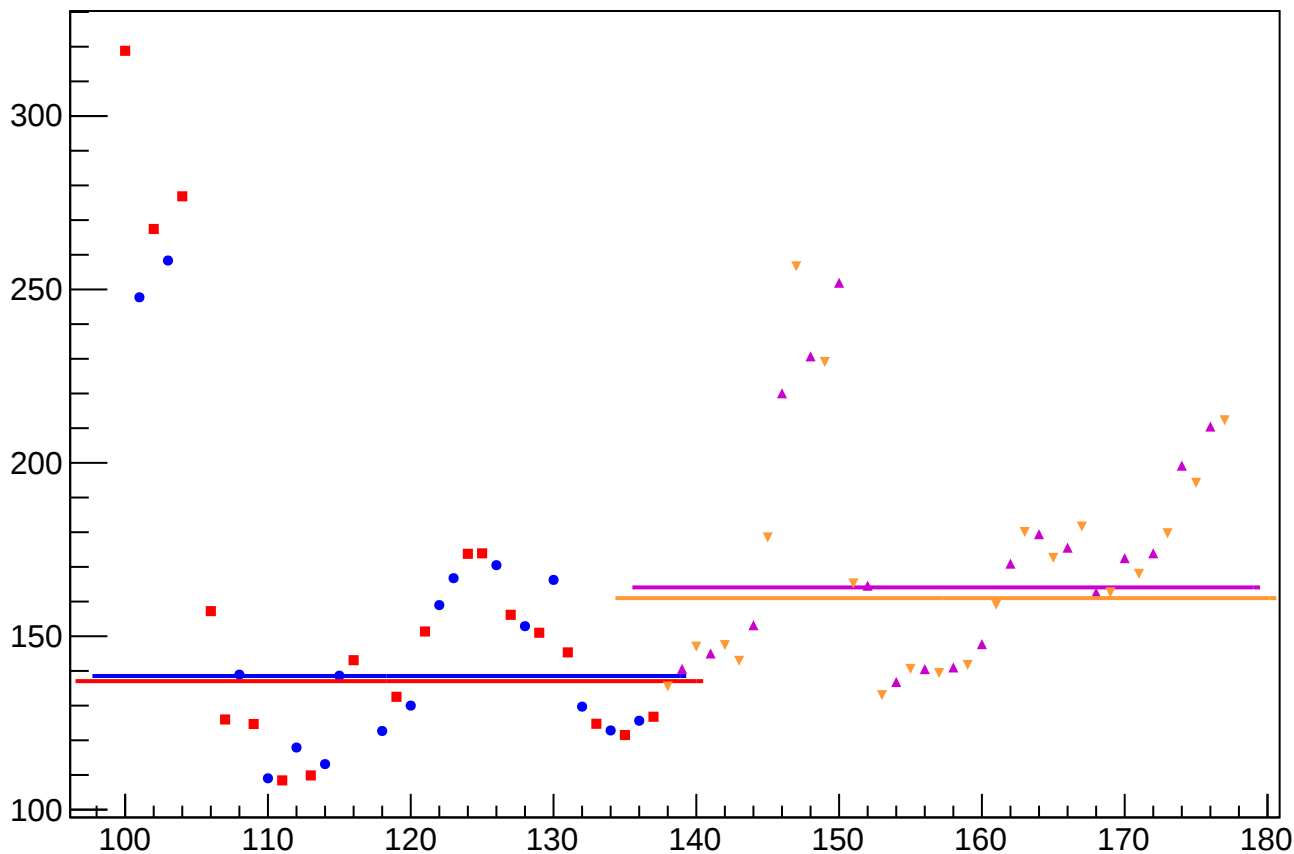
Left In: 7256.012 ± 43.855 $\chi^2/\text{NDF}: 19179.9/18$

+ sign -878.161 ± 33.272 $\chi^2/\text{NDF}: 56314.6/37$

All: 2088.349 ± 23.789 $\chi^2/\text{NDF}: 101971.9/75$

- sign 5190.720 ± 34.025 $\chi^2/\text{NDF}: 29394.4/37$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542+/-0.040 χ^2/NDF : 668941.7/16

Left Out: 160.997+/-0.029 χ^2/NDF : 835029.7/20

Right Out: 137.061+/-0.038 χ^2/NDF : 755491.9/18

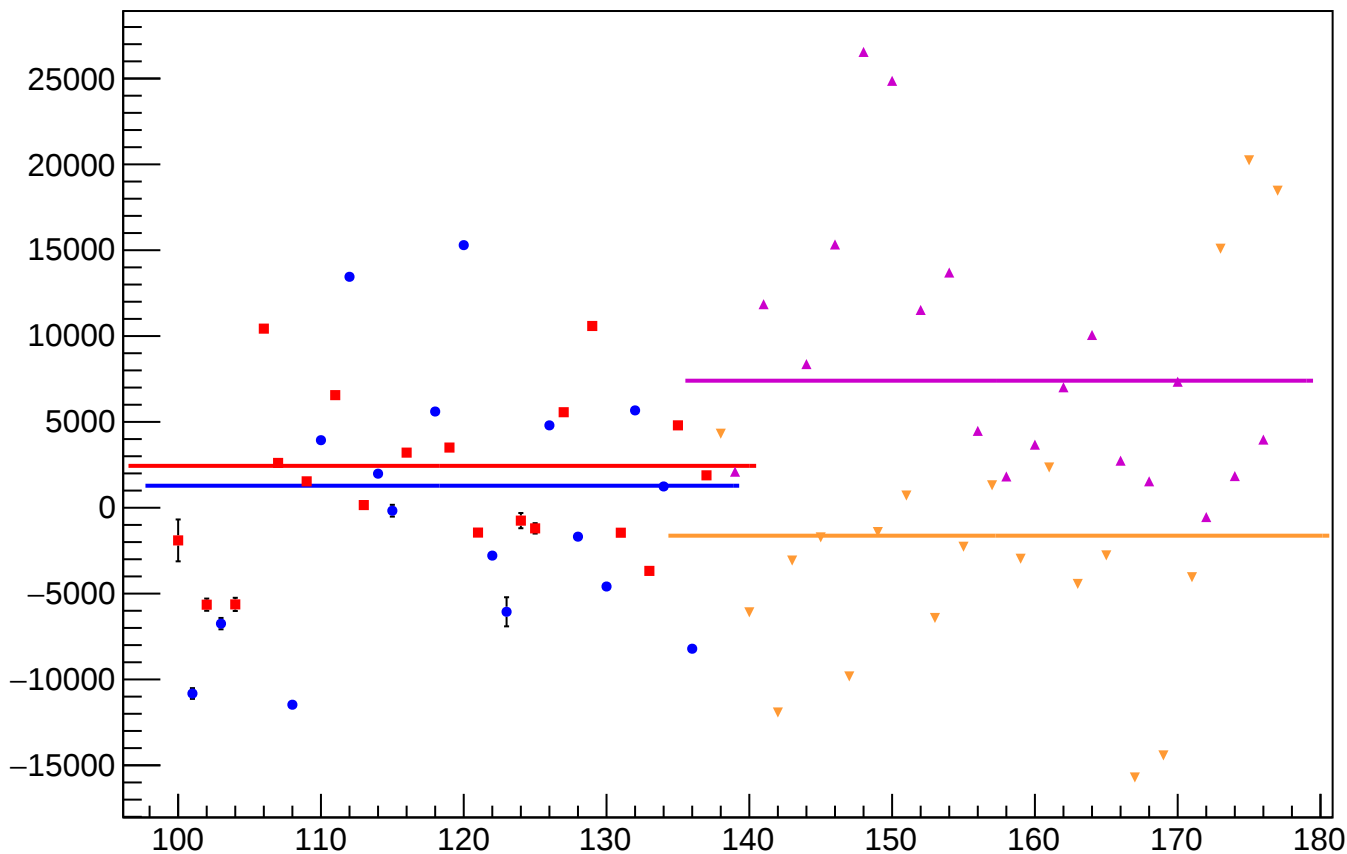
Left In: 164.085+/-0.031 χ^2/NDF : 829739.3/18

+ sign 153.088+/-0.024 χ^2/NDF : 1711831.1/37

All: 153.205+/-0.017 χ^2/NDF : 3599404.6/75

- sign 153.328+/-0.024 χ^2/NDF : 1887522.5/37

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -1626.929+/-37.248 χ^2/NDF : 46386.0/20

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

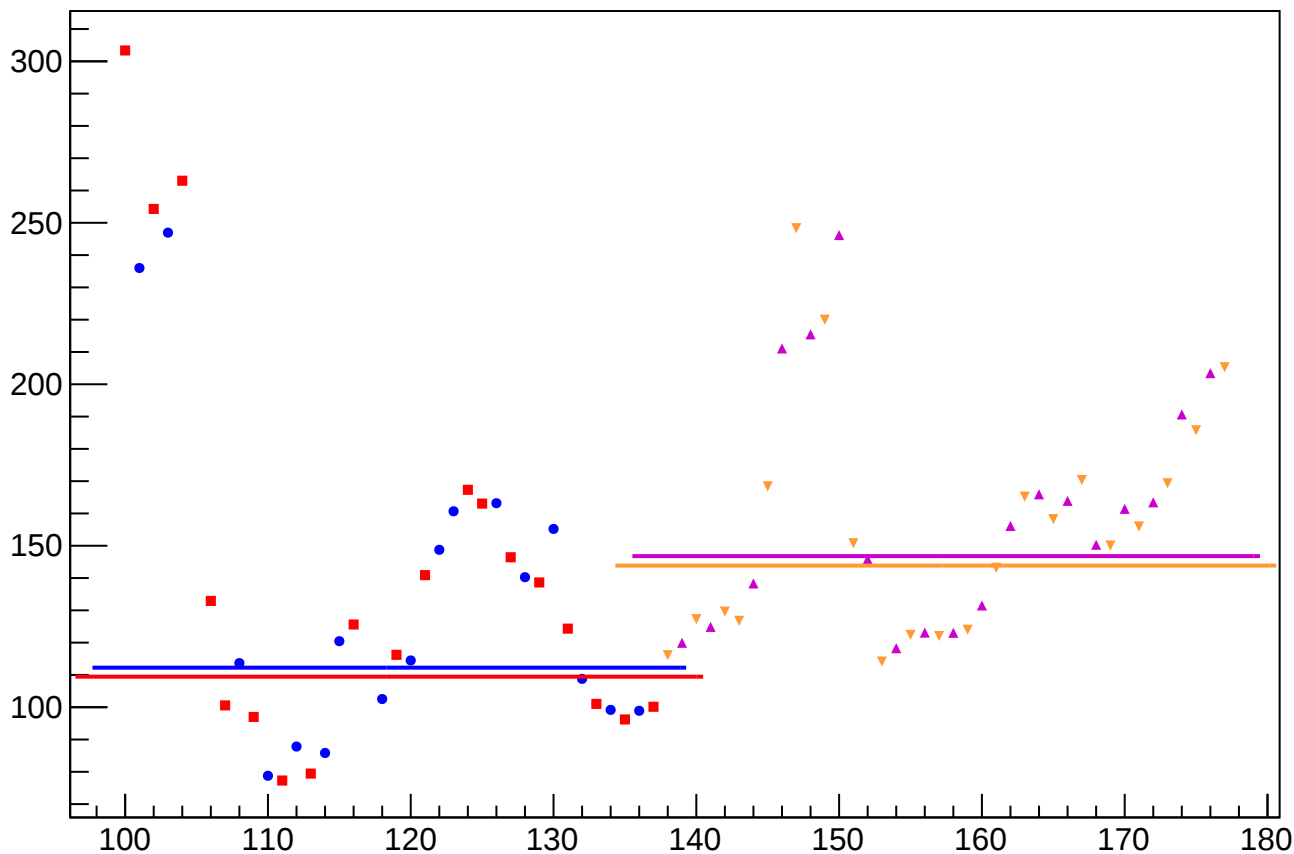
Left In: 7400.170+/-39.605 χ^2/NDF : 23848.7/18

+ sign -491.731+/-29.089 χ^2/NDF : 79307.8/37

All: 2310.190+/-20.720 χ^2/NDF : 136638.2/75

- sign 5196.131+/-29.522 χ^2/NDF : 38495.7/37

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 143.856+/-0.026 χ^2/NDF :1226993.1/20

Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

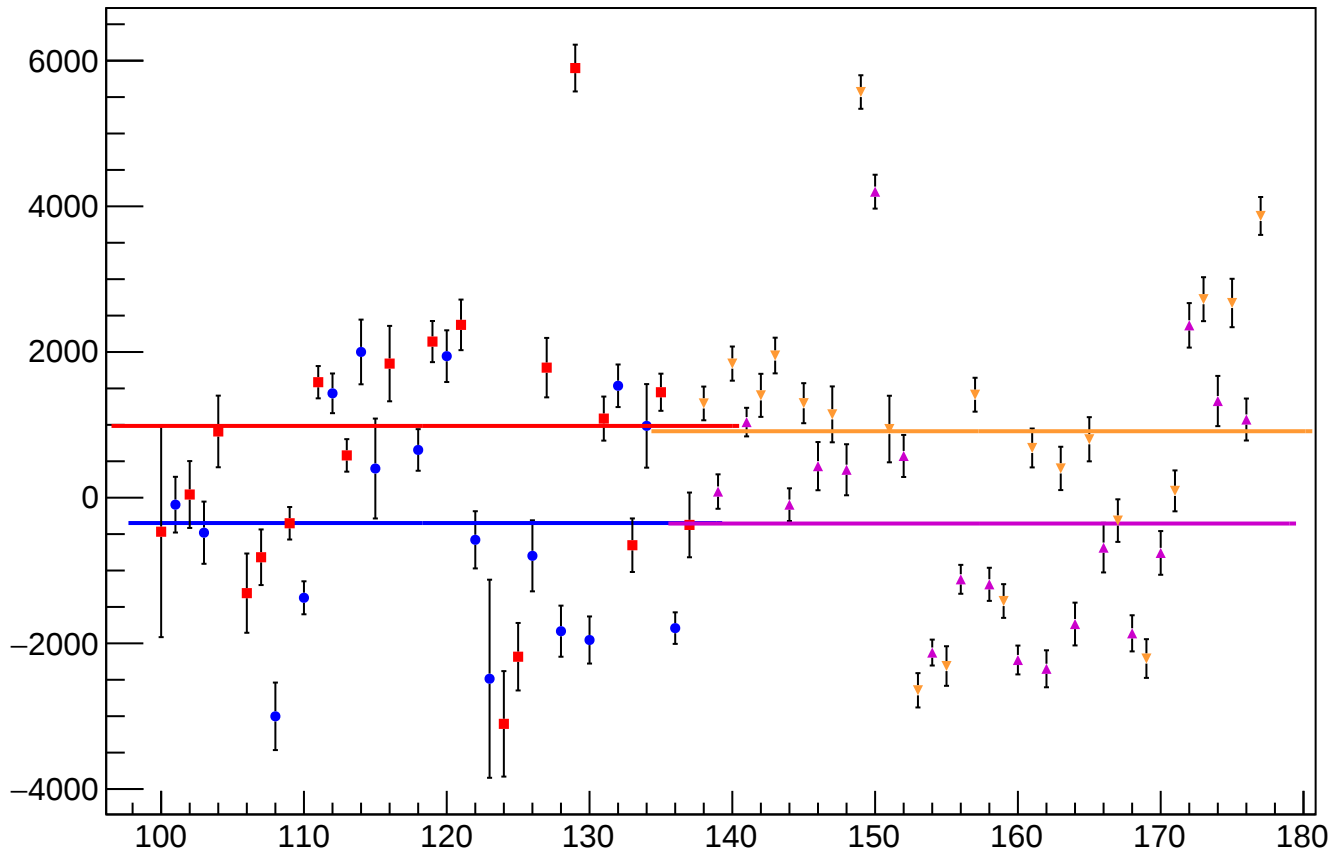
Left In: 146.790+/-0.028 χ^2/NDF :1193134.0/18

+ sign 131.526+/-0.021 χ^2/NDF : 2914282.5/37

All: 130.874+/-0.015 χ^2/NDF : 6168676.4/75

- sign 130.202+/-0.021 χ^2/NDF : 3252351.3/37

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 912.446 ± 59.042 χ^2/NDF : 1285.9/20

Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

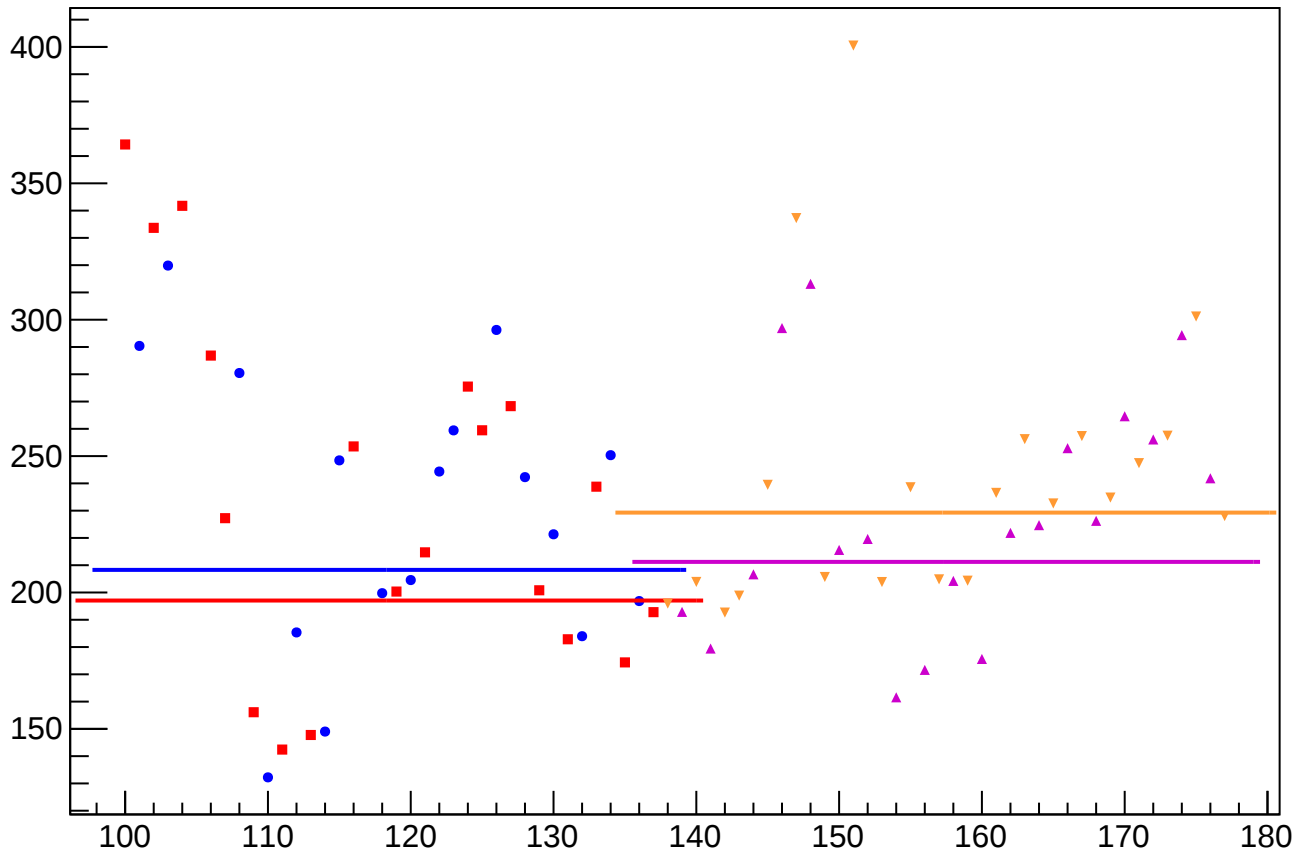
Left In: -354.818 ± 57.015 χ^2/NDF : 927.5/18

+ sign 494.480 ± 48.270 χ^2/NDF : 1754.3/37

All: 295.102 ± 33.287 χ^2/NDF : 3384.3/75

- sign 114.322 ± 45.964 χ^2/NDF : 1597.5/37

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 $\pm$ 0.059 χ^2 /NDF: 698491.0/16

Left Out: 229.289 $\pm$ 0.042 χ^2 /NDF: 817406.1/20

Right Out: 197.051 $\pm$ 0.055 χ^2 /NDF: 926786.6/18

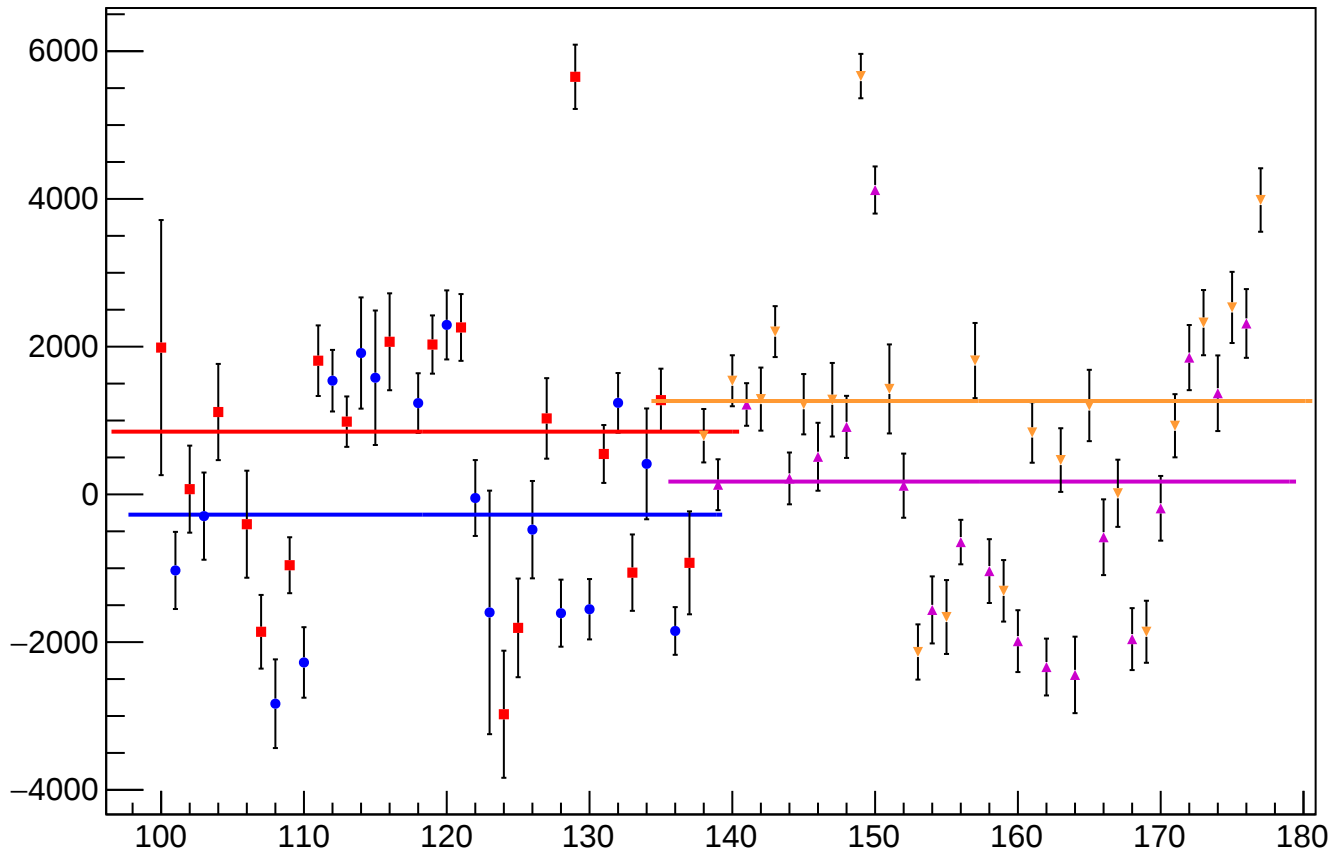
Left In: 211.220 $\pm$ 0.040 χ^2 /NDF: 963417.5/18

+ sign 222.325 $\pm$ 0.034 χ^2 /NDF: 1599807.3/37

All: 213.899 $\pm$ 0.024 χ^2 /NDF: 3649444.8/75

- sign 206.260 $\pm$ 0.033 χ^2 /NDF: 1933446.8/37

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 1264.111 ± 90.894 χ^2/NDF : 500.9/20

Right Out: 849.413 ± 115.349 χ^2/NDF : 263.3/18

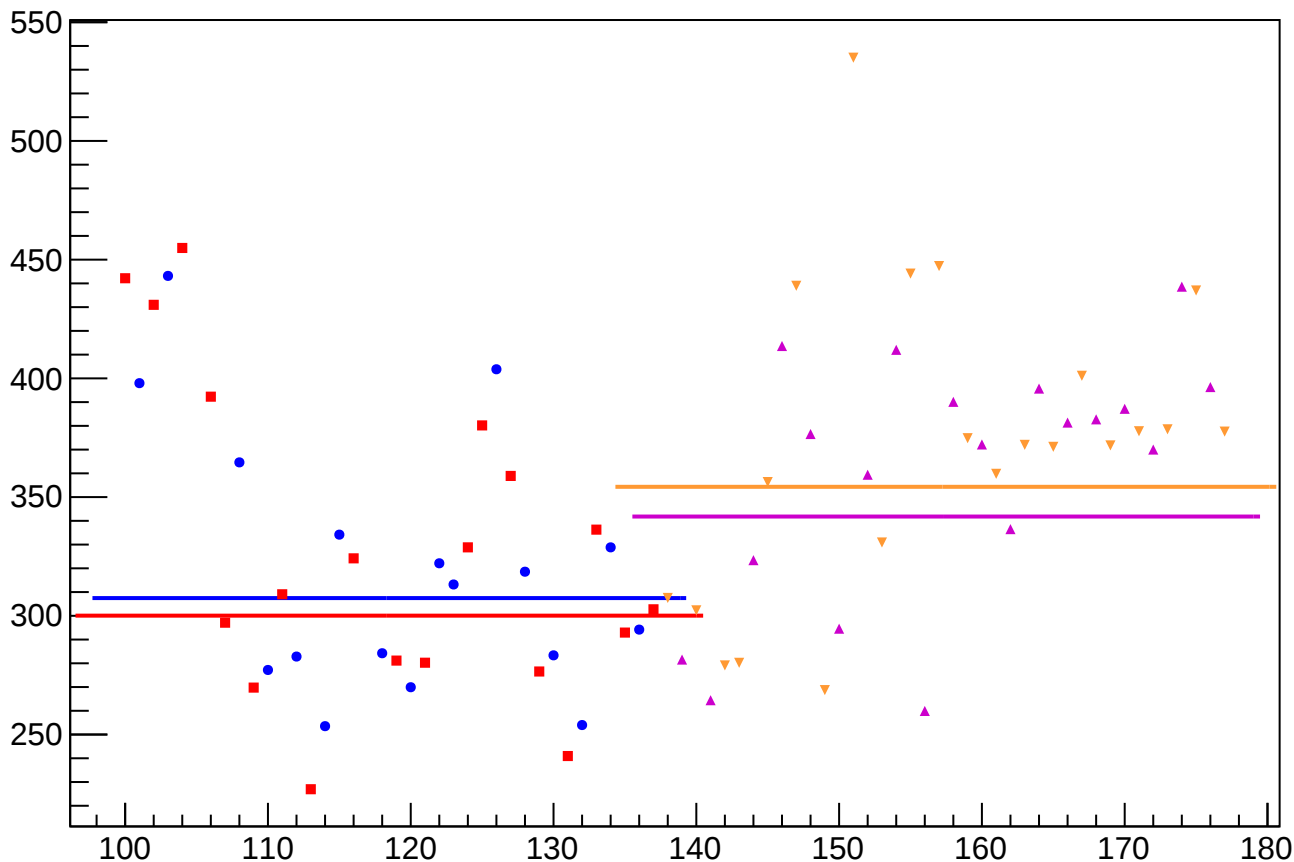
Left In: 173.434 ± 91.360 χ^2/NDF : 364.3/18

+ sign 711.078 ± 72.744 χ^2/NDF : 775.5/37

All: 570.387 ± 51.035 χ^2/NDF : 1431.5/75

- sign 434.019 ± 71.618 χ^2/NDF : 648.7/37

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 $\pm$ 0.086 χ^2 /NDF: 323096.7/16

Left Out: 354.330 $\pm$ 0.064 χ^2 /NDF: 885167.4/20

Right Out: 300.069 $\pm$ 0.082 χ^2 /NDF: 490398.9/18

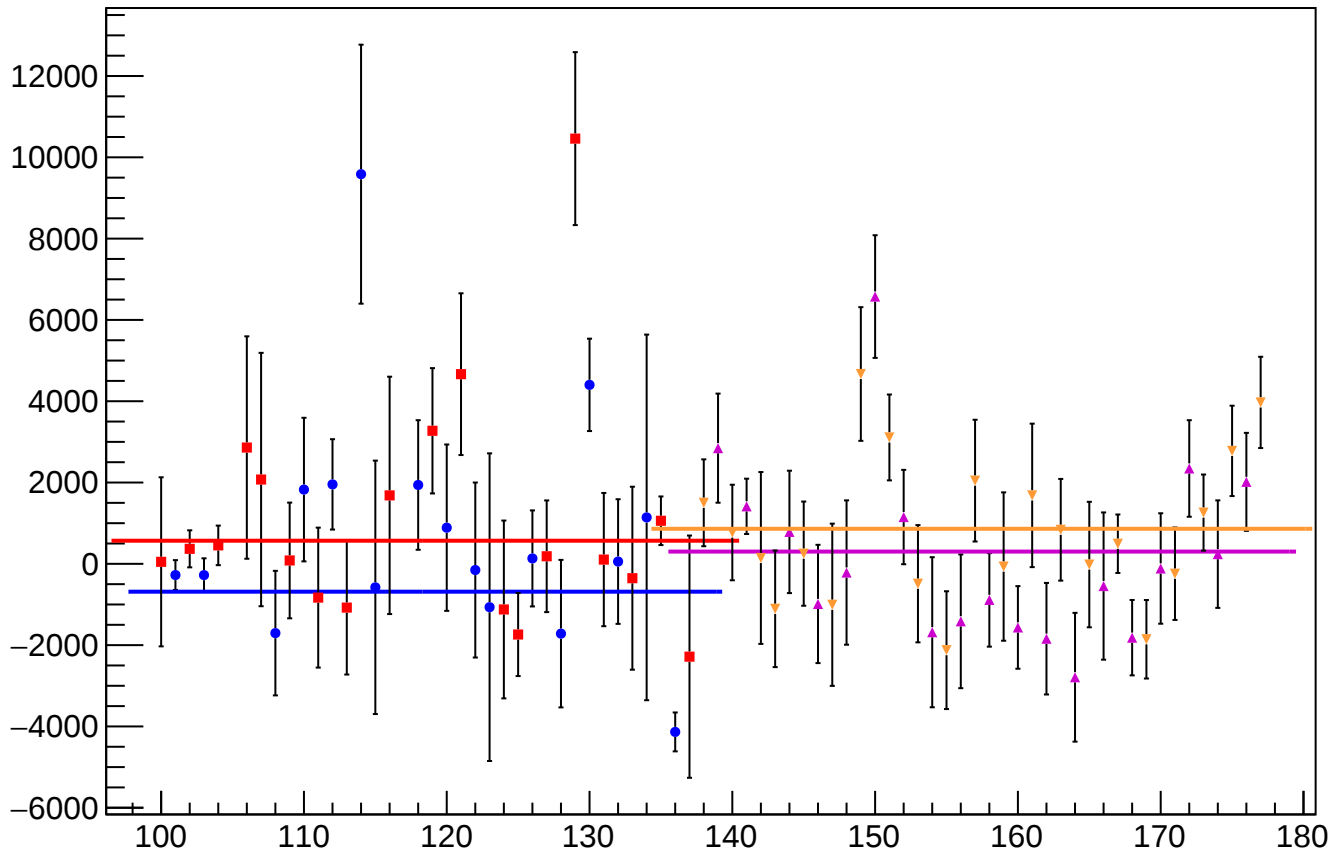
Left In: 341.811 $\pm$ 0.065 χ^2 /NDF: 733009.2/18

+ sign 337.484 $\pm$ 0.051 χ^2 /NDF: 1399381.4/37

All: 331.510 $\pm$ 0.036 χ^2 /NDF: 2810292.7/75

- sign 325.720 $\pm$ 0.051 χ^2 /NDF: 1384353.1/37

asym_bpm0l03WS_mean vs Slug



Right In: -685.056 ± 210.341 χ^2/NDF : 97.4/16

Left Out: 862.374 ± 266.851 χ^2/NDF : 39.9/20

Right Out: 568.651 ± 243.251 χ^2/NDF : 39.7/18

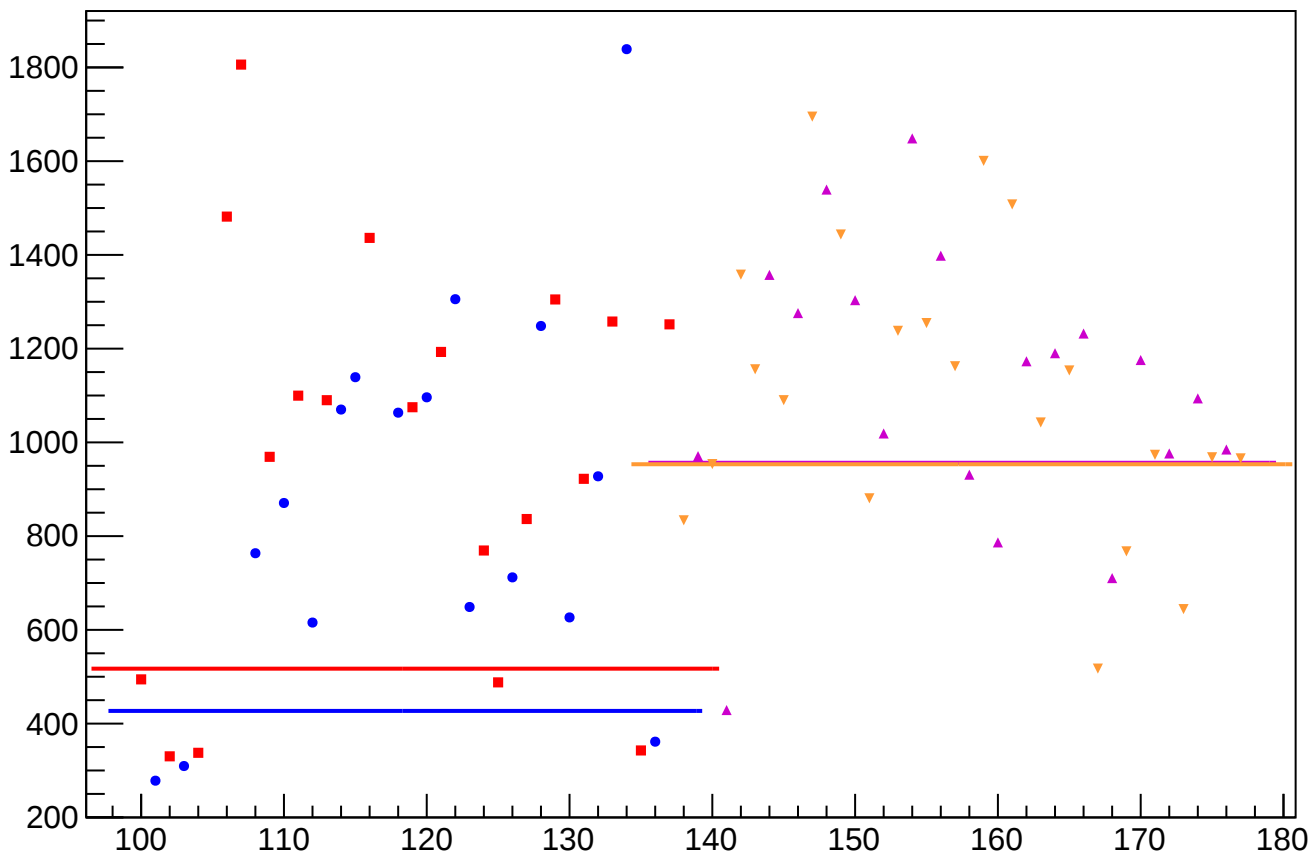
Left In: 301.336 ± 283.718 χ^2/NDF : 48.5/18

+ sign -92.056 ± 165.192 χ^2/NDF : 158.0/37

All: 151.289 ± 123.121 χ^2/NDF : 251.6/75

- sign 455.401 ± 184.669 χ^2/NDF : 88.7/37

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 953.358+/-0.189 χ^2/NDF : 2349052.7/20

Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

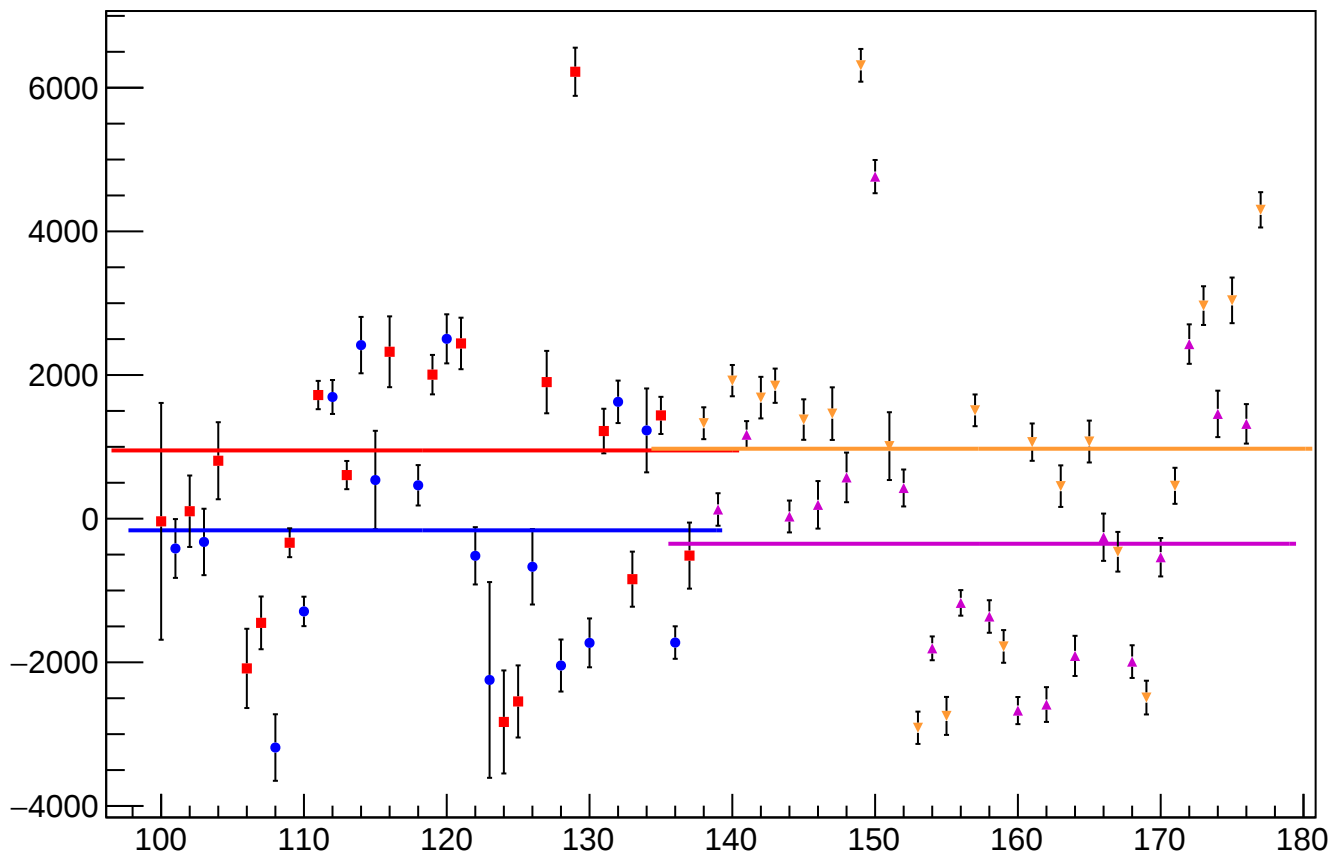
Left In: 956.501+/-0.201 χ^2/NDF : 2605491.8/18

+ sign 628.758+/-0.117 χ^2/NDF : 10012716.8/37

All: 661.907+/-0.087 χ^2/NDF : 19167573.2/75

- sign 703.333+/-0.131 χ^2/NDF : 8973674.3/37

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 χ^2/NDF : 387.6/16

Left Out: 973.783 ± 56.402 χ^2/NDF : 1773.7/20

Right Out: 950.093 ± 75.133 χ^2/NDF : 539.8/18

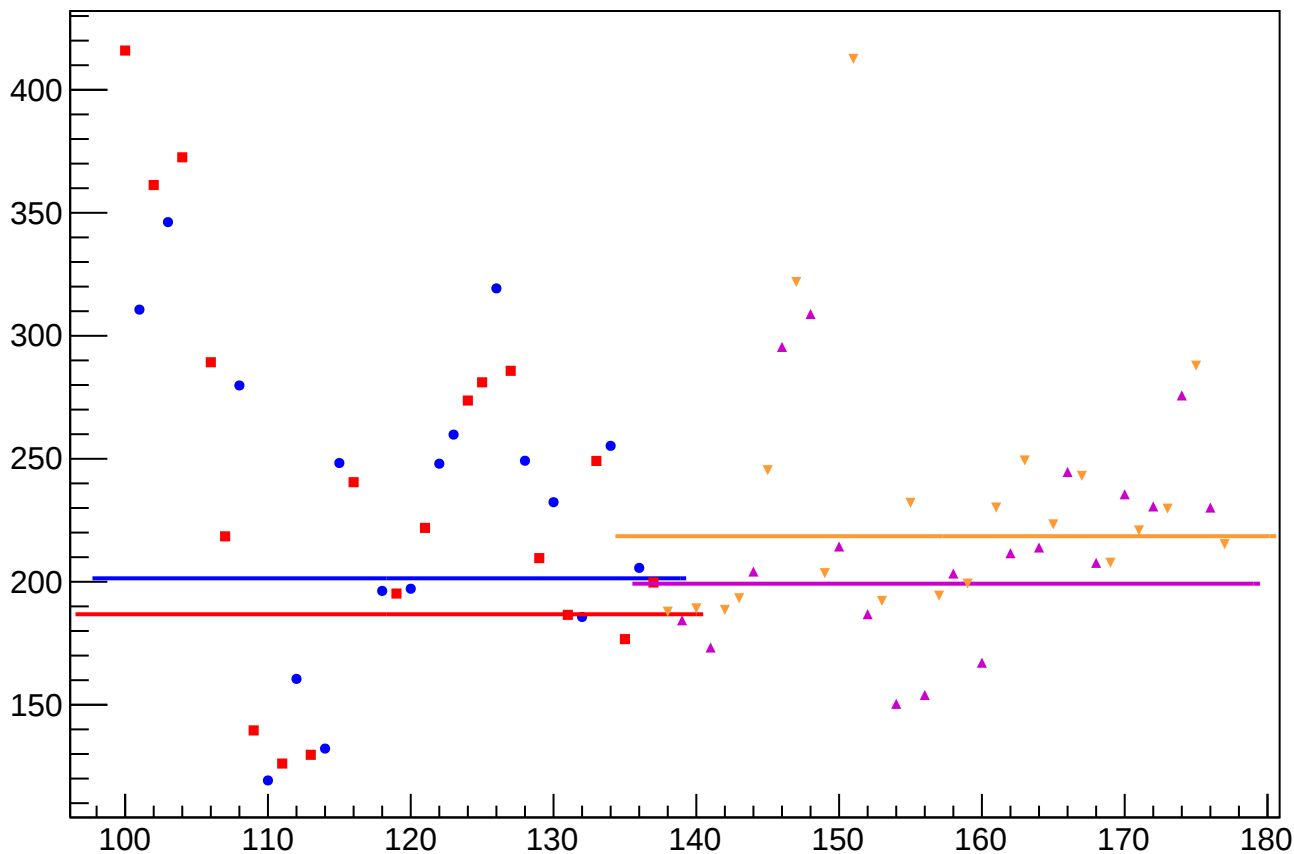
Left In: -349.257 ± 54.004 χ^2/NDF : 1187.9/18

+ sign 611.013 ± 46.534 χ^2/NDF : 2290.8/37

All: 336.836 ± 31.914 χ^2/NDF : 4281.3/75

- sign 93.359 ± 43.851 χ^2/NDF : 1924.9/37

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2/NDF : 1056022.1/16

Left Out: 218.535 $\pm$ 0.040 χ^2/NDF : 859895.9/20

Right Out: 186.797 $\pm$ 0.053 χ^2/NDF : 1393162.0/18

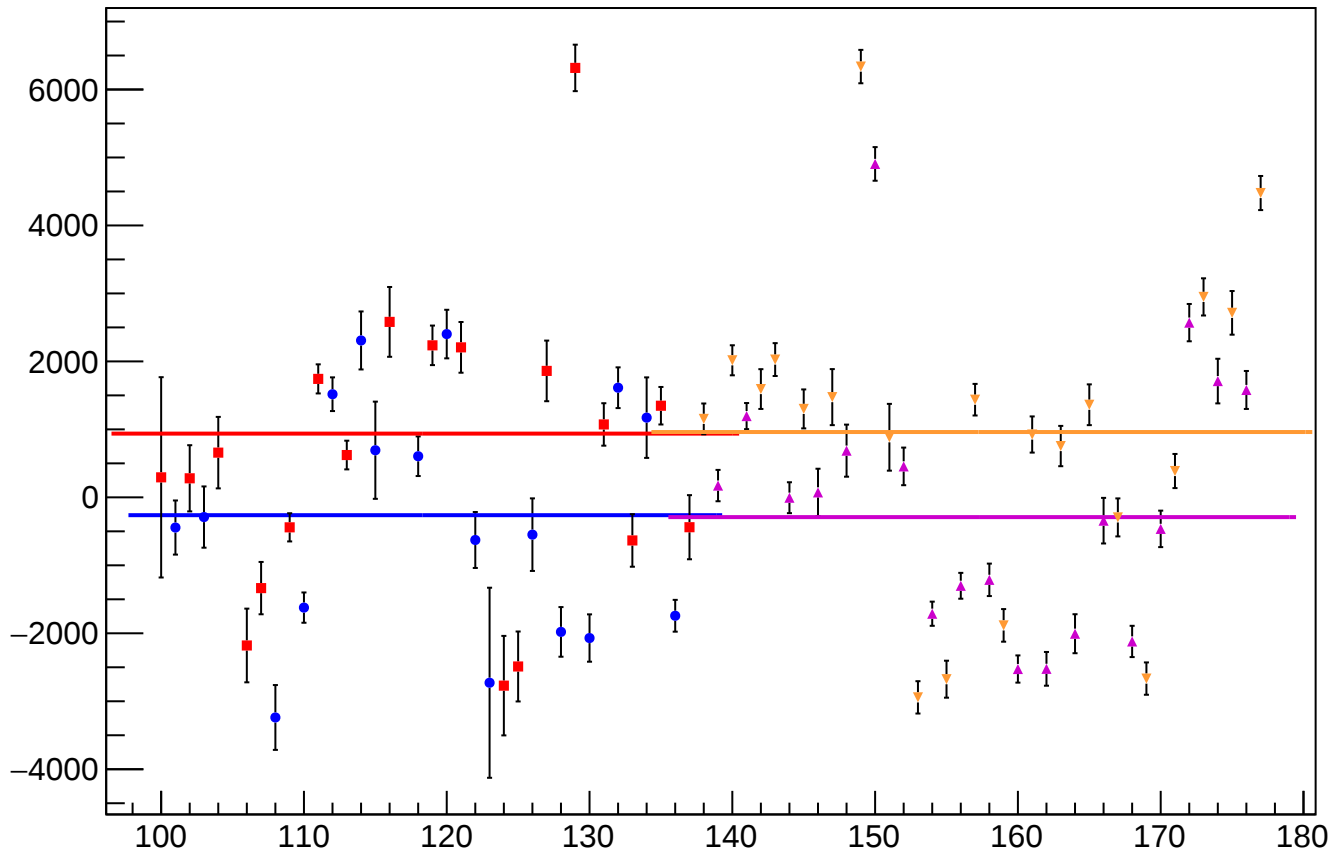
Left In: 199.232 $\pm$ 0.038 χ^2/NDF : 1044324.7/18

+ sign 213.067 $\pm$ 0.033 χ^2/NDF : 1974796.7/37

All: 203.496 $\pm$ 0.023 χ^2/NDF : 4608147.4/75

- sign 194.996 $\pm$ 0.031 χ^2/NDF : 2473605.5/37

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 961.011 ± 58.070 χ^2/NDF : 1661.8/20

Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

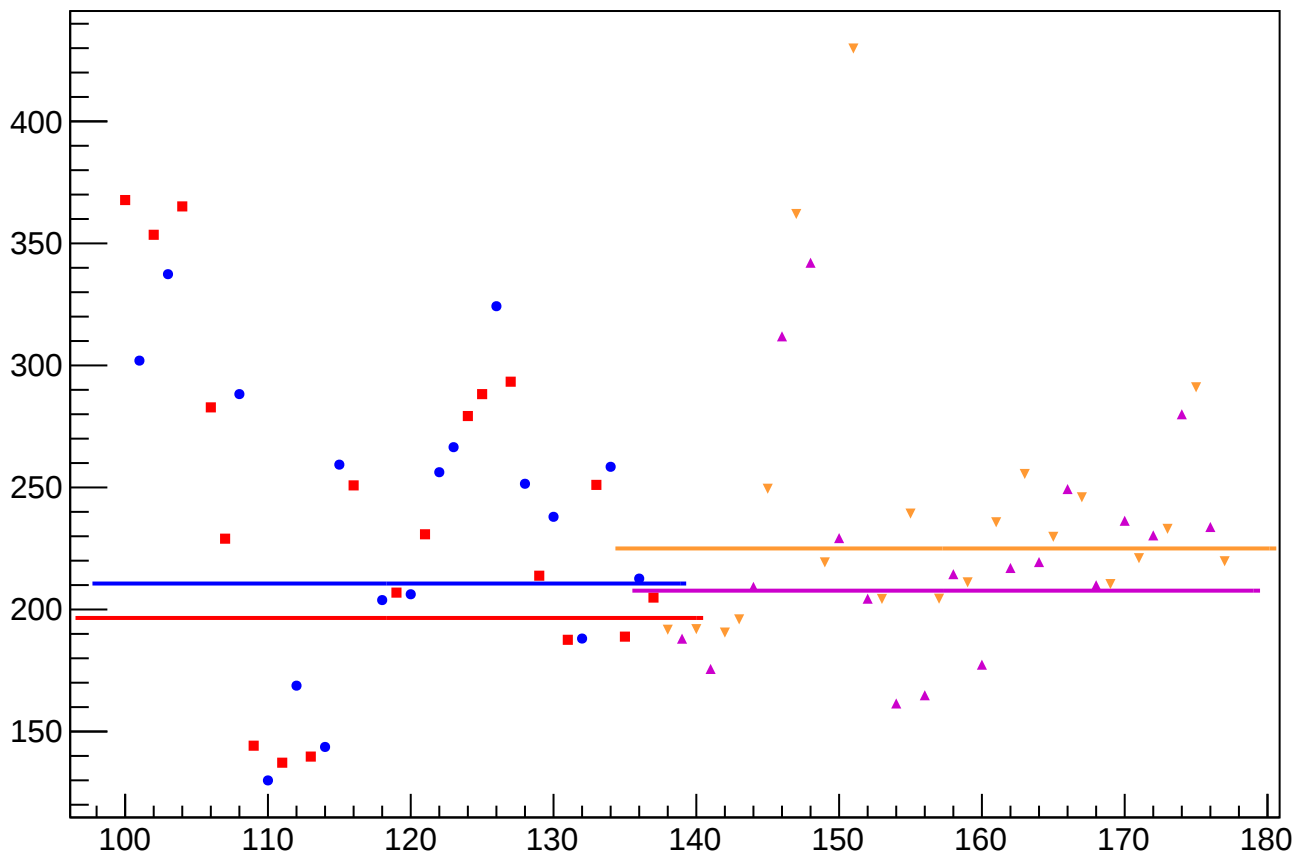
Left In: -290.770 ± 56.170 χ^2/NDF : 1124.1/18

+ sign 574.423 ± 48.026 χ^2/NDF : 2170.8/37

All: 338.761 ± 33.094 χ^2/NDF : 4024.8/75

- sign 125.679 ± 45.667 χ^2/NDF : 1808.1/37

asym_bpm0l05WS_rms vs Slug



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 225.005+/-0.041 χ^2/NDF : 903469.0/20

Right Out: 196.528+/-0.055 χ^2/NDF : 1205091.0/18

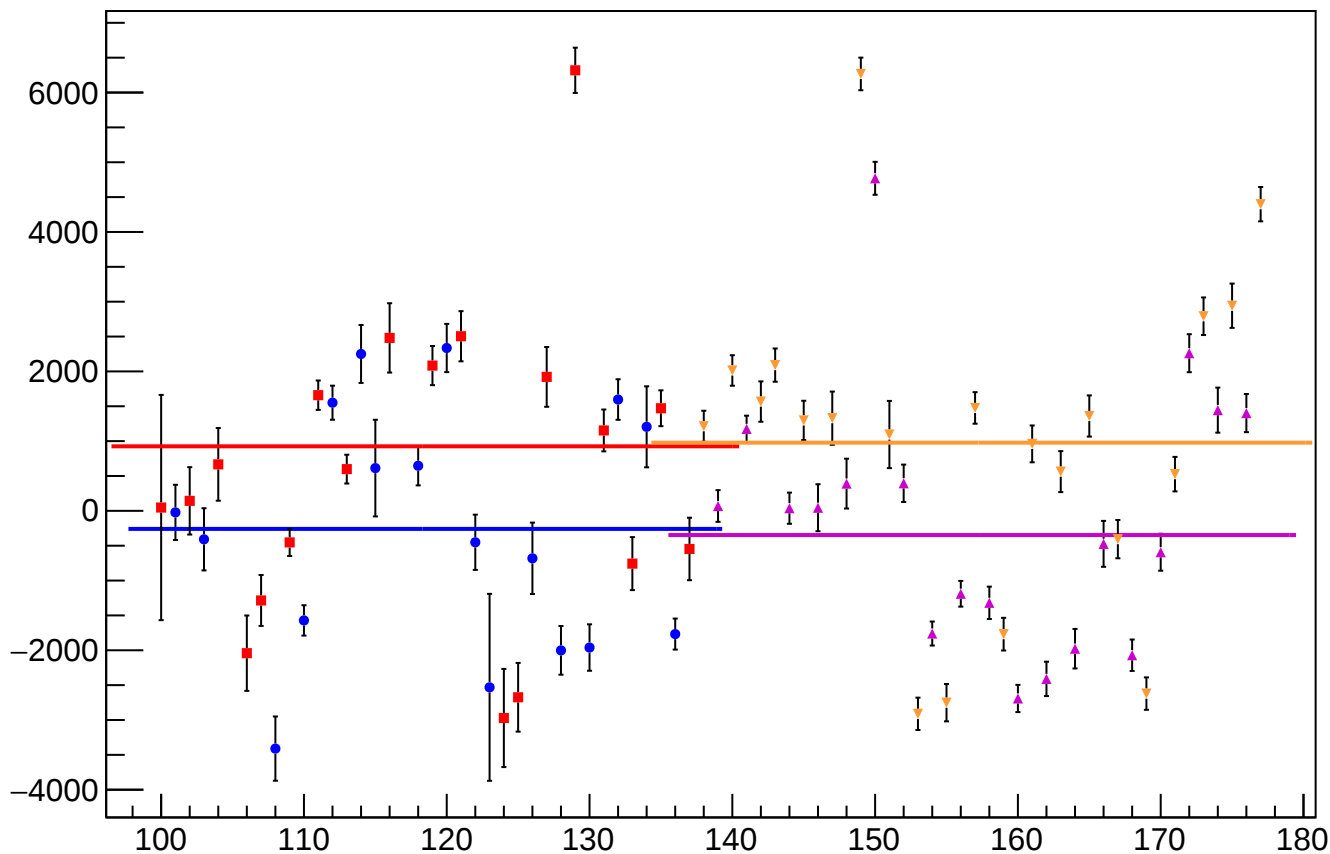
Left In: 207.715+/-0.040 χ^2/NDF : 983374.0/18

+ sign 220.464+/-0.034 χ^2/NDF : 1817941.8/37

All: 211.777+/-0.023 χ^2/NDF : 4157895.4/75

- sign 203.923+/-0.032 χ^2/NDF : 2215357.7/37

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 977.988 ± 56.926 χ^2/NDF : 1728.0/20

Right Out: 925.534 ± 75.503 χ^2/NDF : 581.9/18

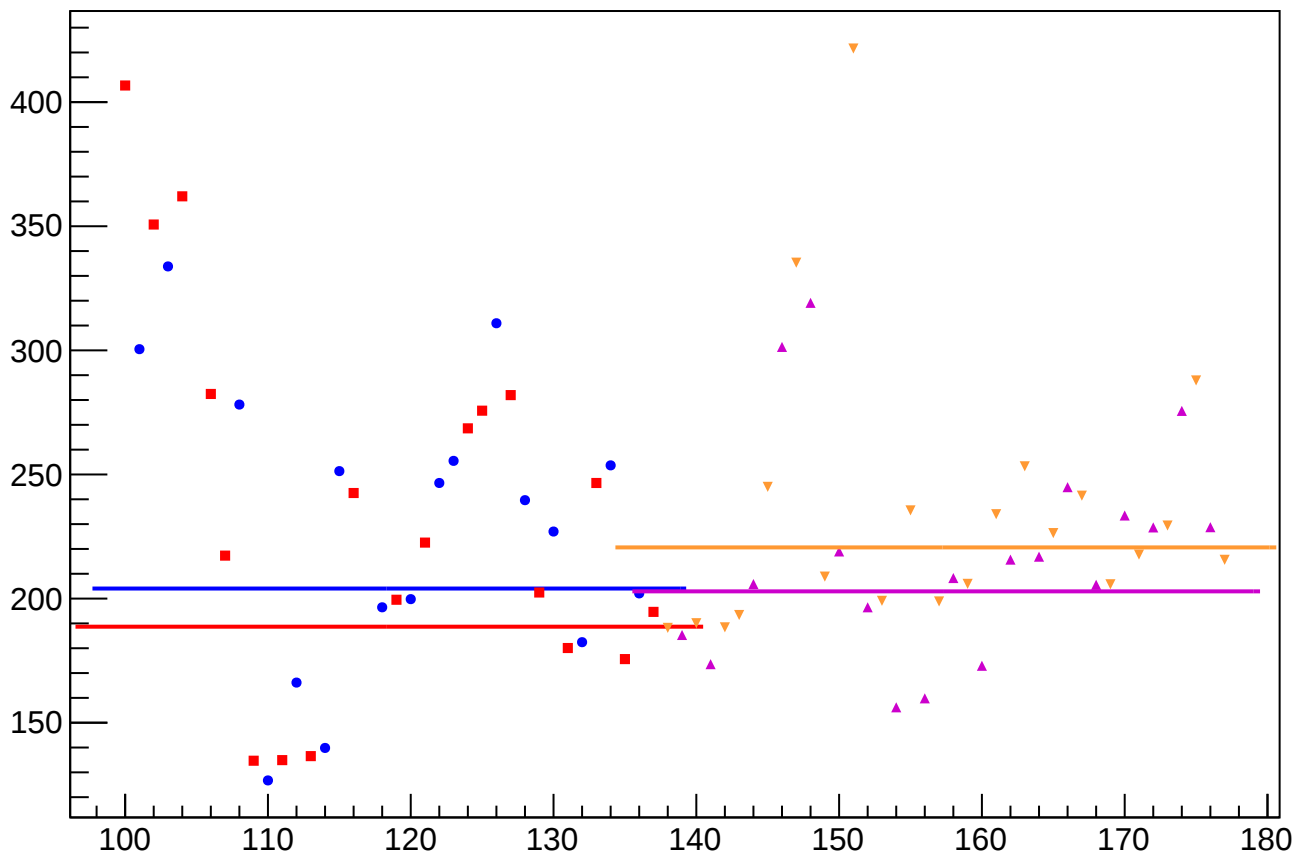
Left In: -347.086 ± 54.887 χ^2/NDF : 1128.1/18

+ sign 580.927 ± 46.910 χ^2/NDF : 2270.8/37

All: 323.499 ± 32.245 χ^2/NDF : 4223.8/75

- sign 92.918 ± 44.396 χ^2/NDF : 1895.9/37

asym_bpm0l06WS_rms vs Slug



Right In: 204.051 $\pm$ 0.059 χ^2 /NDF: 868423.0/16

Left Out: 220.620 $\pm$ 0.040 χ^2 /NDF: 873570.6/20

Right Out: 188.681 $\pm$ 0.053 χ^2 /NDF: 1251107.4/18

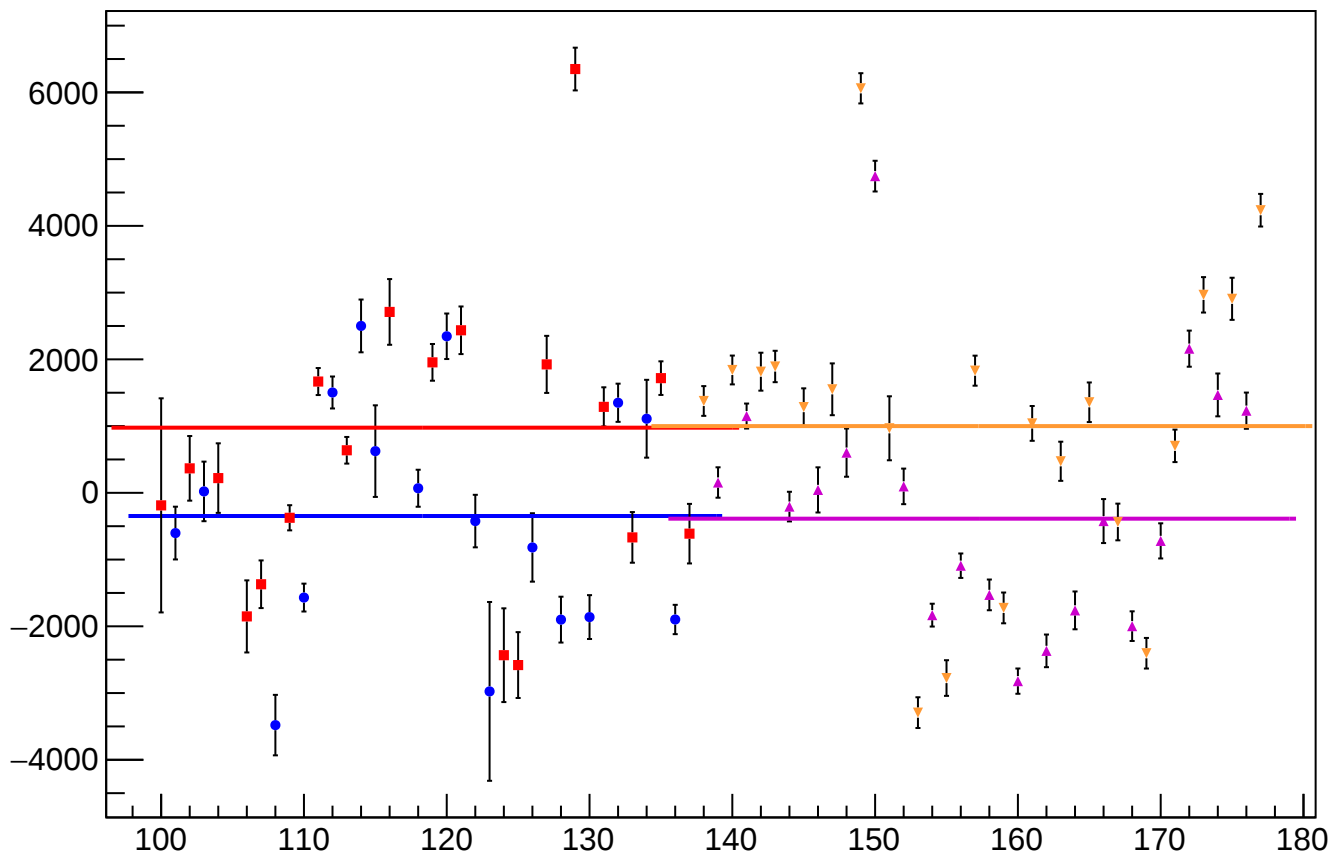
Left In: 202.913 $\pm$ 0.039 χ^2 /NDF: 964052.9/18

+ sign 215.302 $\pm$ 0.033 χ^2 /NDF: 1796375.2/37

All: 206.171 $\pm$ 0.023 χ^2 /NDF: 4201693.8/75

- sign 197.992 $\pm$ 0.031 χ^2 /NDF: 2261653.6/37

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 999.891 ± 56.401 χ^2/NDF : 1763.6/20

Right Out: 976.286 ± 73.889 χ^2/NDF : 585.7/18

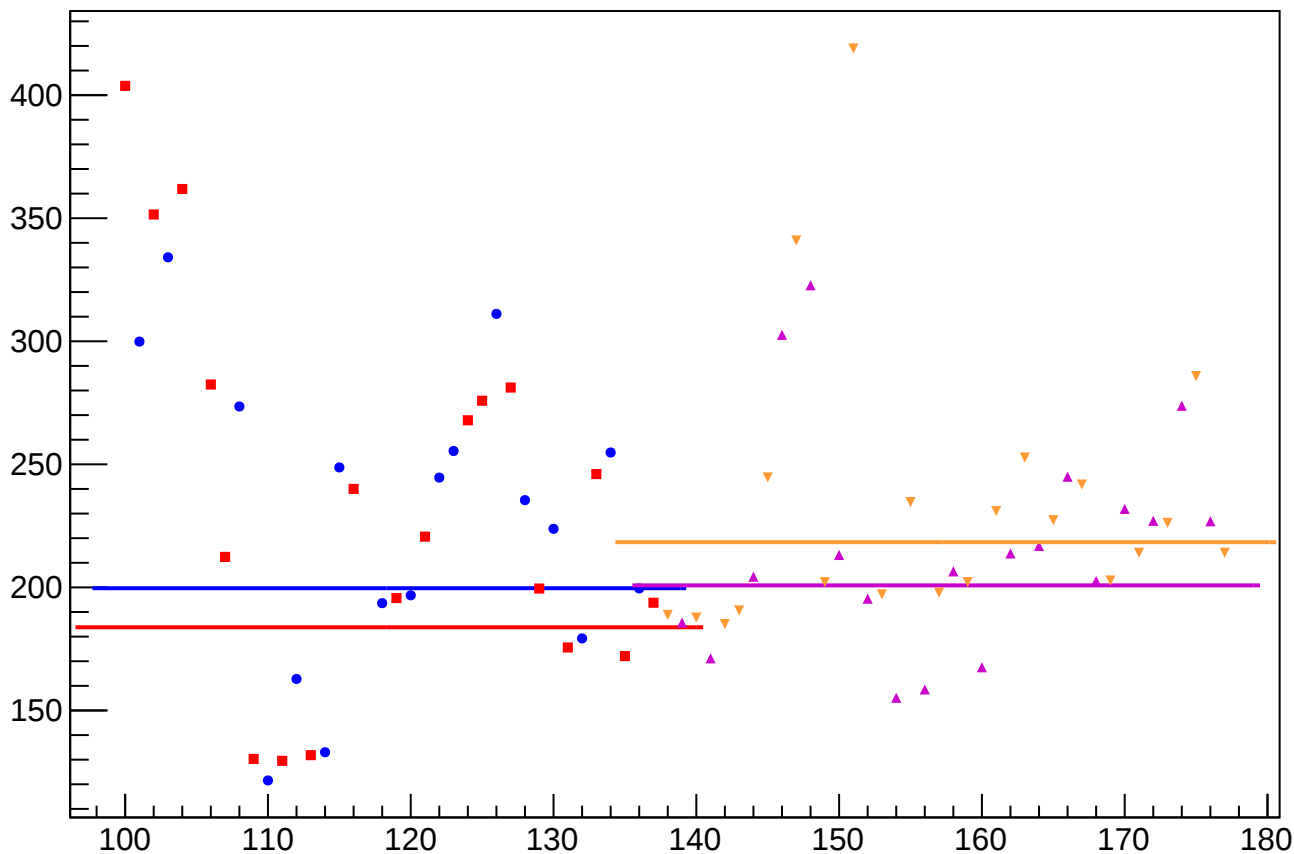
Left In: -387.318 ± 54.371 χ^2/NDF : 1160.7/18

+ sign 562.330 ± 46.345 χ^2/NDF : 2347.9/37

All: 313.687 ± 31.830 χ^2/NDF : 4369.8/75

- sign 91.674 ± 43.792 χ^2/NDF : 1967.3/37

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 218.381 $\pm$ 0.040 χ^2 /NDF: 911135.4/20

Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

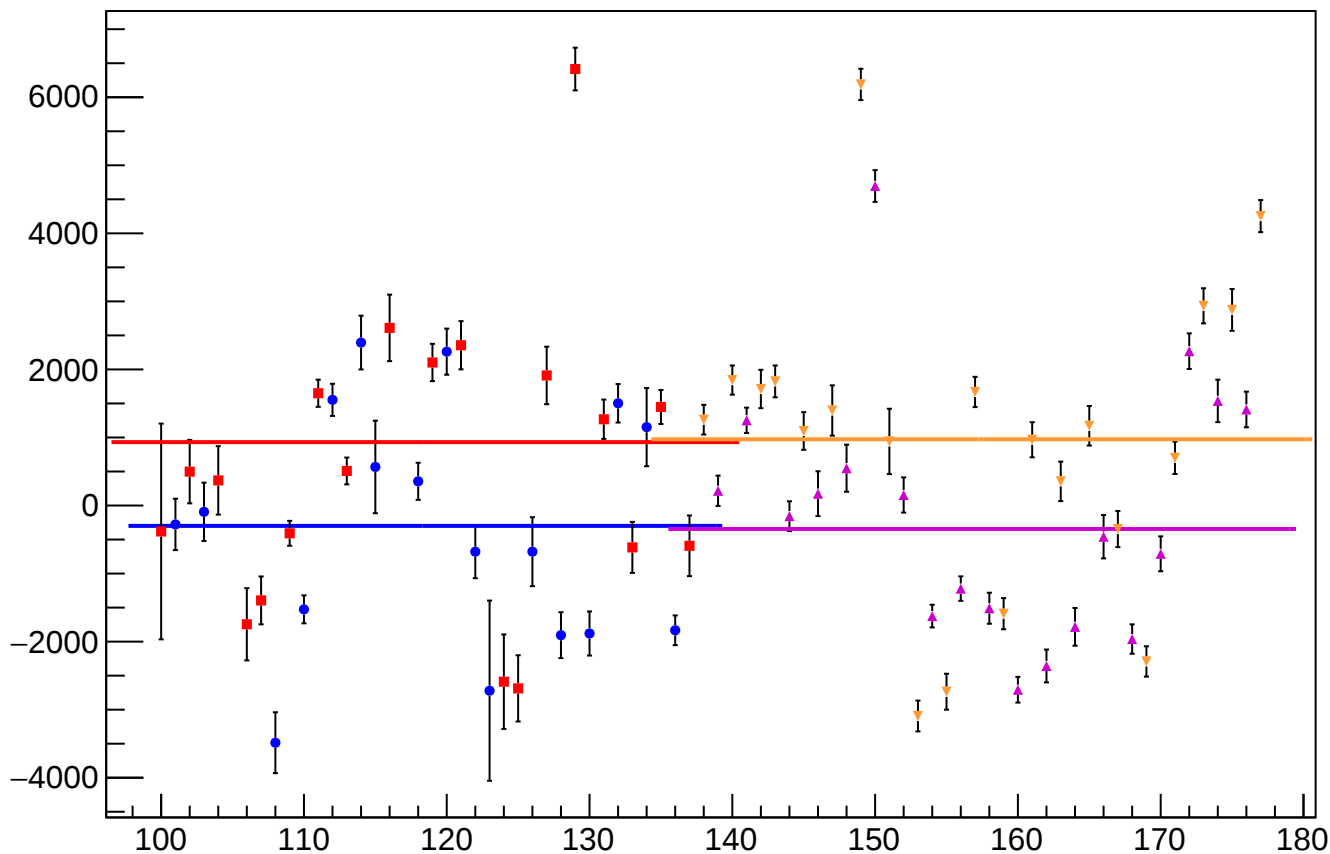
Left In: 200.823 $\pm$ 0.038 χ^2 /NDF: 1003562.9/18

+ sign 212.303 $\pm$ 0.033 χ^2 /NDF: 1925790.0/37

All: 203.081 $\pm$ 0.023 χ^2 /NDF: 4497686.6/75

- sign 194.846 $\pm$ 0.031 χ^2 /NDF: 2421988.8/37

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 973.879 ± 55.499 χ^2/NDF : 1743.1/20

Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

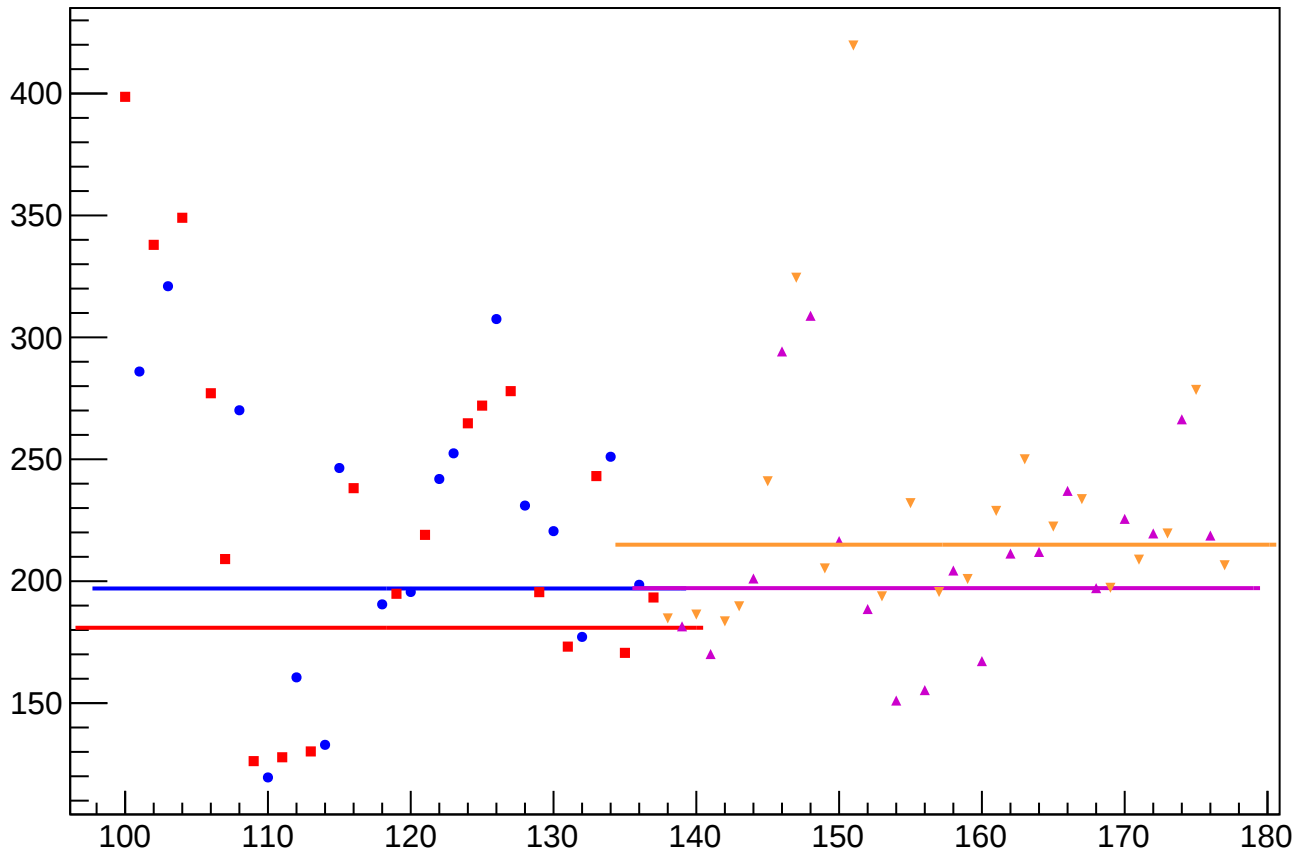
Left In: -344.203 ± 53.366 χ^2/NDF : 1159.8/18

+ sign 561.453 ± 45.630 χ^2/NDF : 2320.1/37

All: 318.373 ± 31.306 χ^2/NDF : 4348.3/75

- sign 102.208 ± 43.030 χ^2/NDF : 1974.7/37

asym_bpm0l08WS_rms vs Slug



Right In: 197.013 $\pm$ 0.057 χ^2 /NDF: 911923.5/16

Left Out: 214.975 $\pm$ 0.039 χ^2 /NDF:880008.1/20

Right Out: 180.906 $\pm$ 0.051 χ^2 /NDF: 1345685.7/18

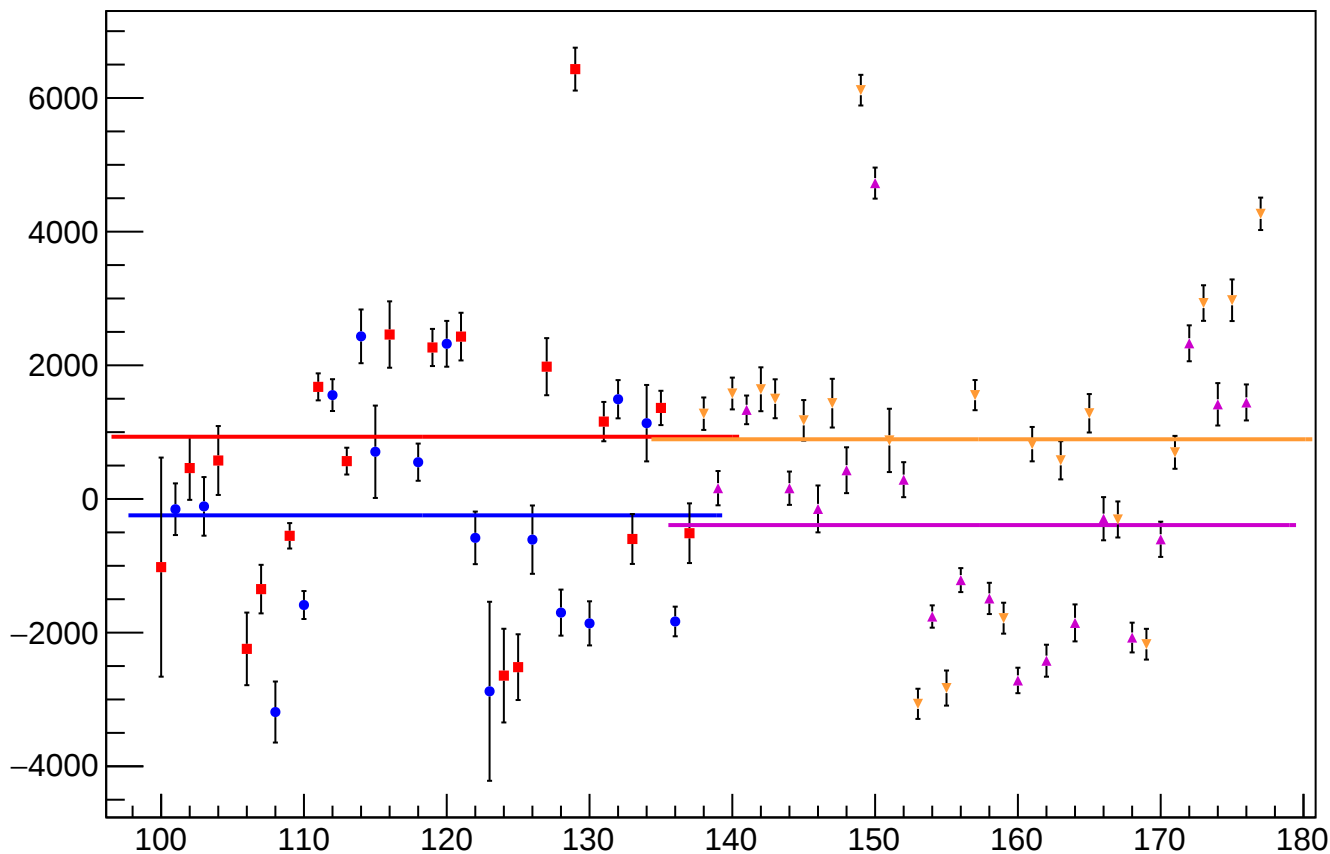
Left In: 197.159 $\pm$ 0.038 χ^2 /NDF:959961.0/18

+ sign 209.155 $\pm$ 0.032 χ^2 /NDF: 1859810.4/37

All: 199.796 $\pm$ 0.022 χ^2 /NDF: 4389322.7/75

- sign 191.473 $\pm$ 0.030 χ^2 /NDF: 2370542.7/37

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 893.333 ± 57.743 χ^2/NDF : 1690.3/20

Right Out: 931.272 ± 74.206 χ^2/NDF : 609.7/18

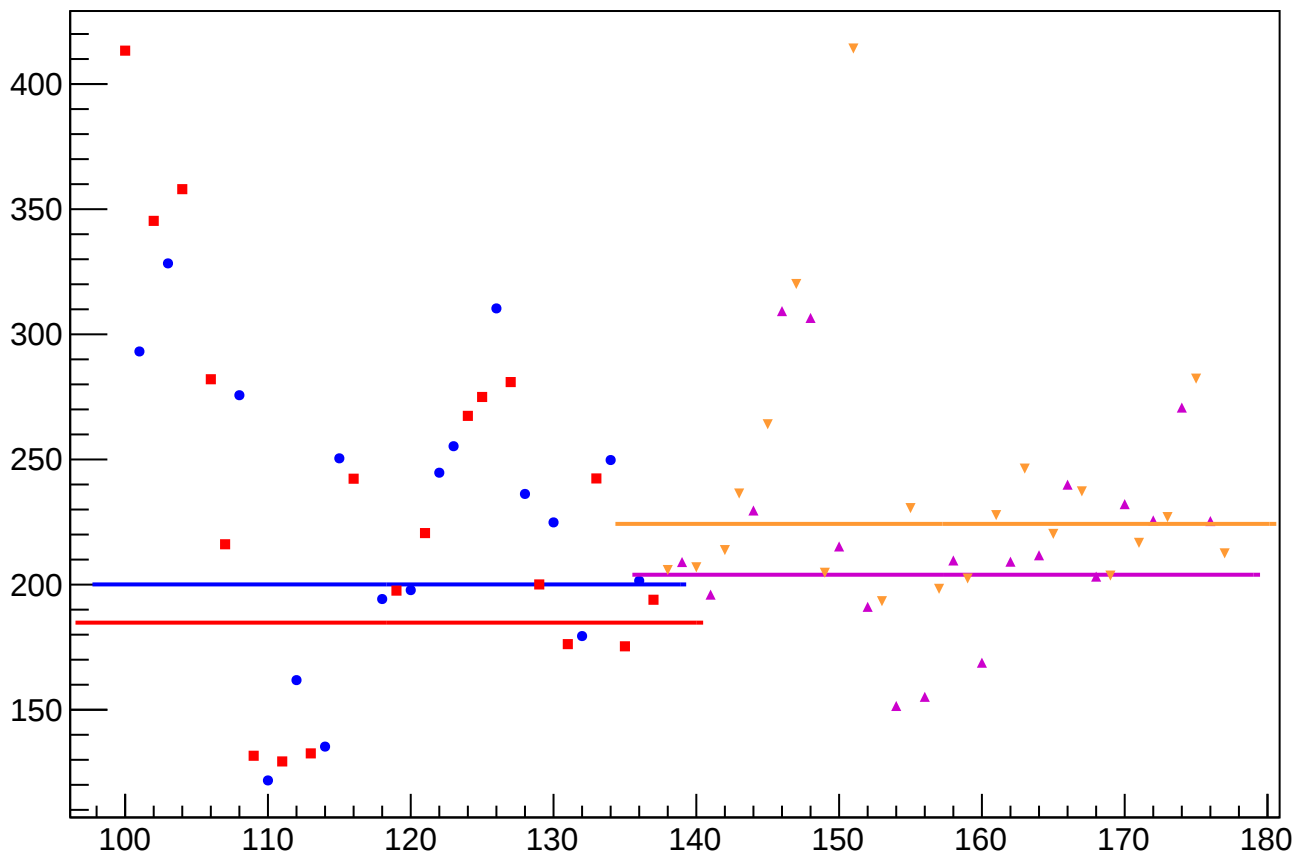
Left In: -390.651 ± 55.246 χ^2/NDF : 1169.7/18

+ sign 512.265 ± 47.095 χ^2/NDF : 2211.8/37

All: 283.392 ± 32.273 χ^2/NDF : 4240.0/75

- sign 80.761 ± 44.313 χ^2/NDF : 1983.6/37

asym_bpm0l09WS_rms vs Slug



Right In: 200.078 ± 0.058 $\chi^2/\text{NDF}: 918309.2/16$

Left Out: 224.266 ± 0.041 $\chi^2/\text{NDF}: 728969.2/20$

Right Out: 184.807 ± 0.052 $\chi^2/\text{NDF}: 1318267.6/18$

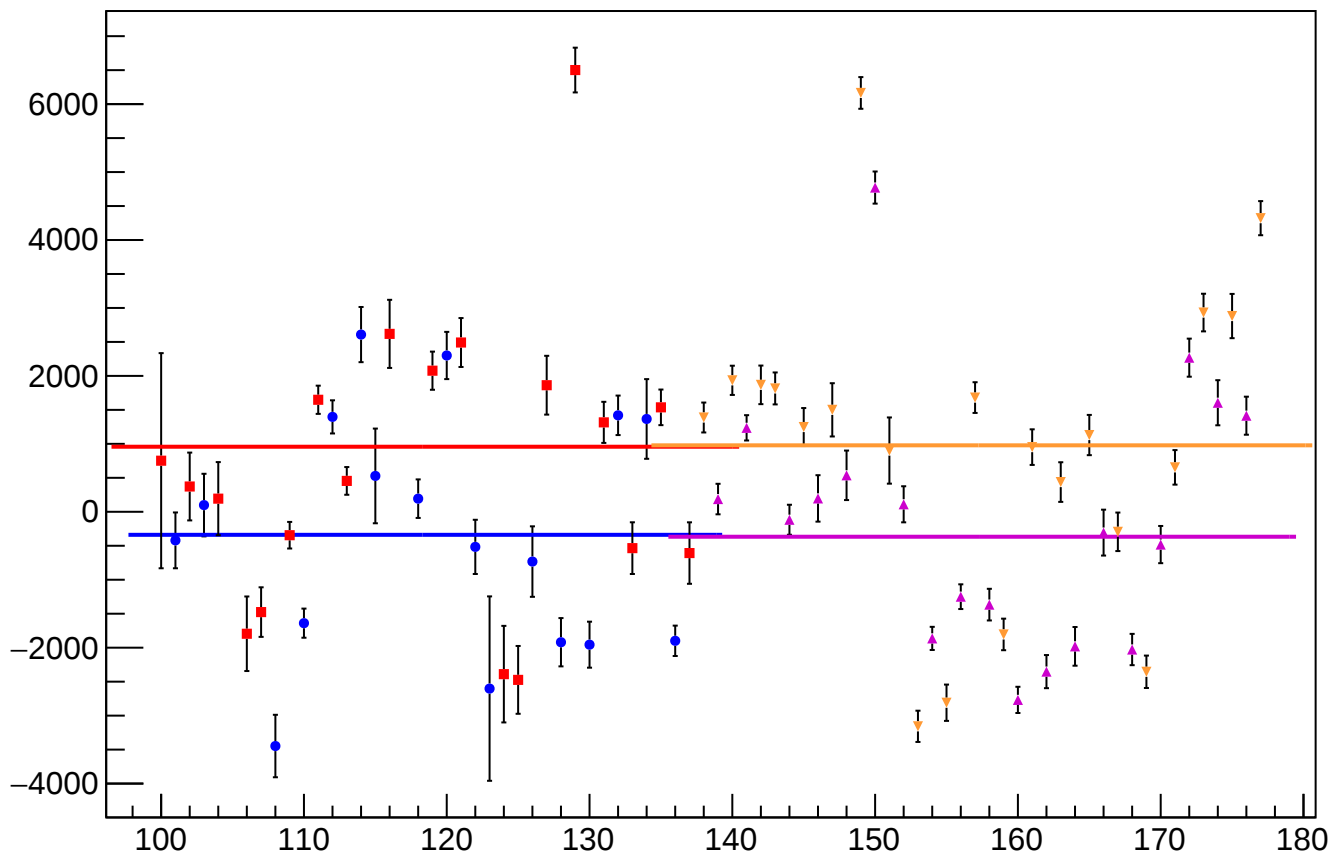
Left In: 203.947 ± 0.039 $\chi^2/\text{NDF}: 972051.8/18$

+ sign 216.168 ± 0.033 $\chi^2/\text{NDF}: 1764761.6/37$

All: 206.066 ± 0.023 $\chi^2/\text{NDF}: 4314192.4/75$

- sign 197.122 ± 0.031 $\chi^2/\text{NDF}: 2375924.3/37$

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 978.190 ± 57.051 χ^2/NDF : 1702.6/20

Right Out: 957.615 ± 75.749 χ^2/NDF : 570.3/18

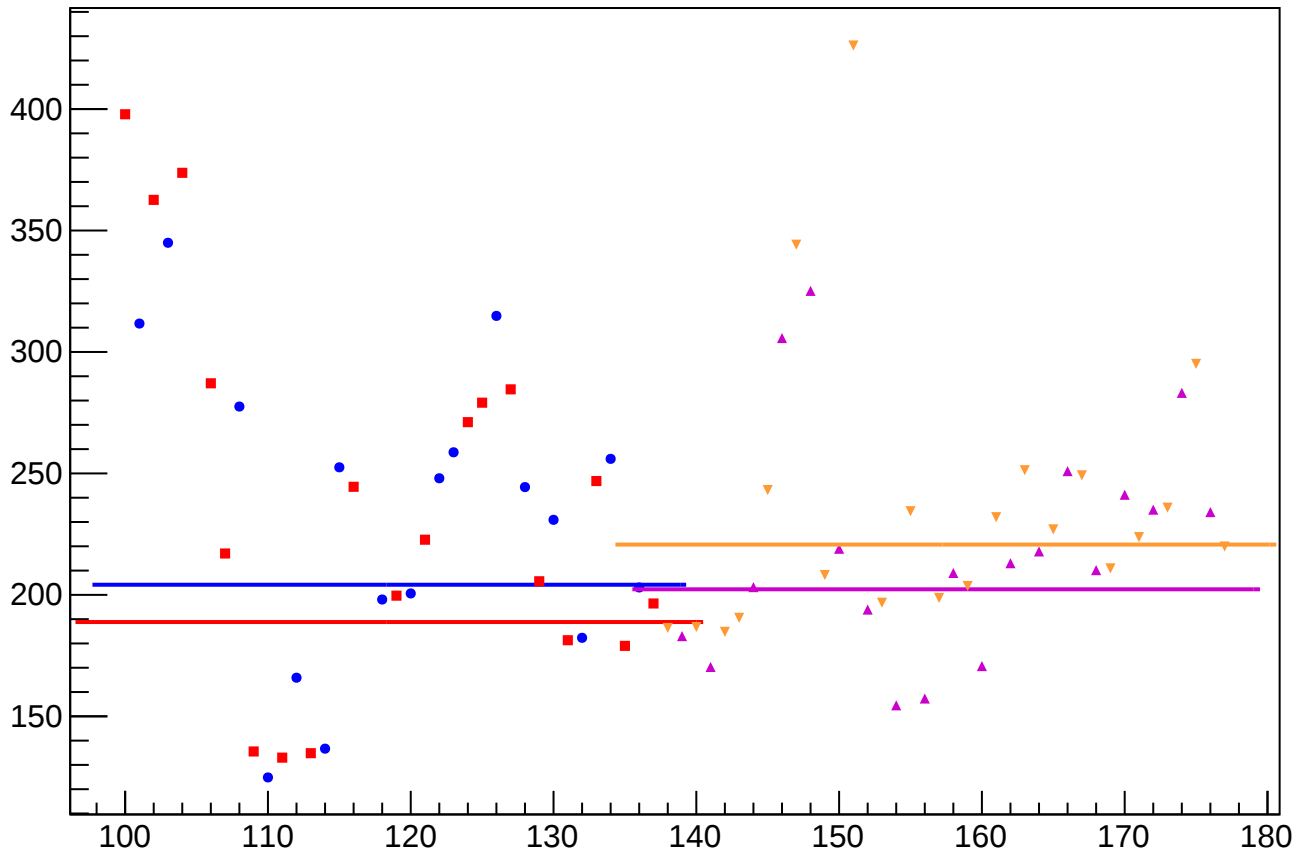
Left In: -367.088 ± 54.877 χ^2/NDF : 1155.3/18

+ sign 556.407 ± 47.038 χ^2/NDF : 2262.7/37

All: 309.375 ± 32.303 χ^2/NDF : 4241.1/75

- sign 88.870 ± 44.440 χ^2/NDF : 1926.1/37

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 $\pm$ 0.059 χ^2 /NDF: 947438.5/16

Left Out: 220.706 $\pm$ 0.040 χ^2 /NDF:953625.9/20

Right Out: 188.821 $\pm$ 0.054 χ^2 /NDF: 1314891.2/18

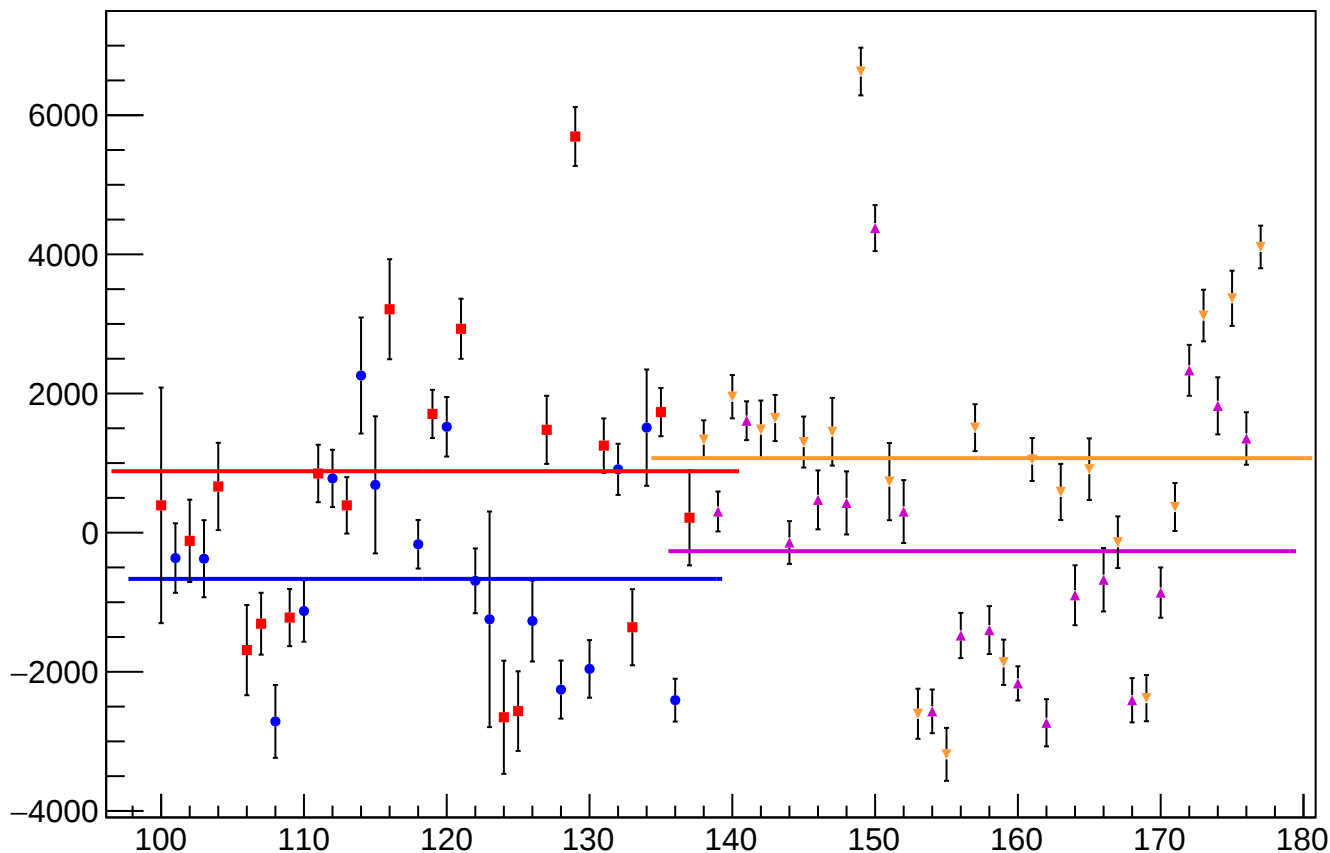
Left In: 202.295 $\pm$ 0.039 χ^2 /NDF:1097385.7/18

+ sign 215.412 $\pm$ 0.033 χ^2 /NDF: 1954834.4/37

All: 206.031 $\pm$ 0.023 χ^2 /NDF: 4559171.7/75

- sign 197.658 $\pm$ 0.031 χ^2 /NDF: 2453779.6/37

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 $\chi^2/\text{NDF}: 154.3/16$

Left Out: 1071.623 ± 77.803 $\chi^2/\text{NDF}: 875.5/20$

Right Out: 883.255 ± 110.875 $\chi^2/\text{NDF}: 320.1/18$

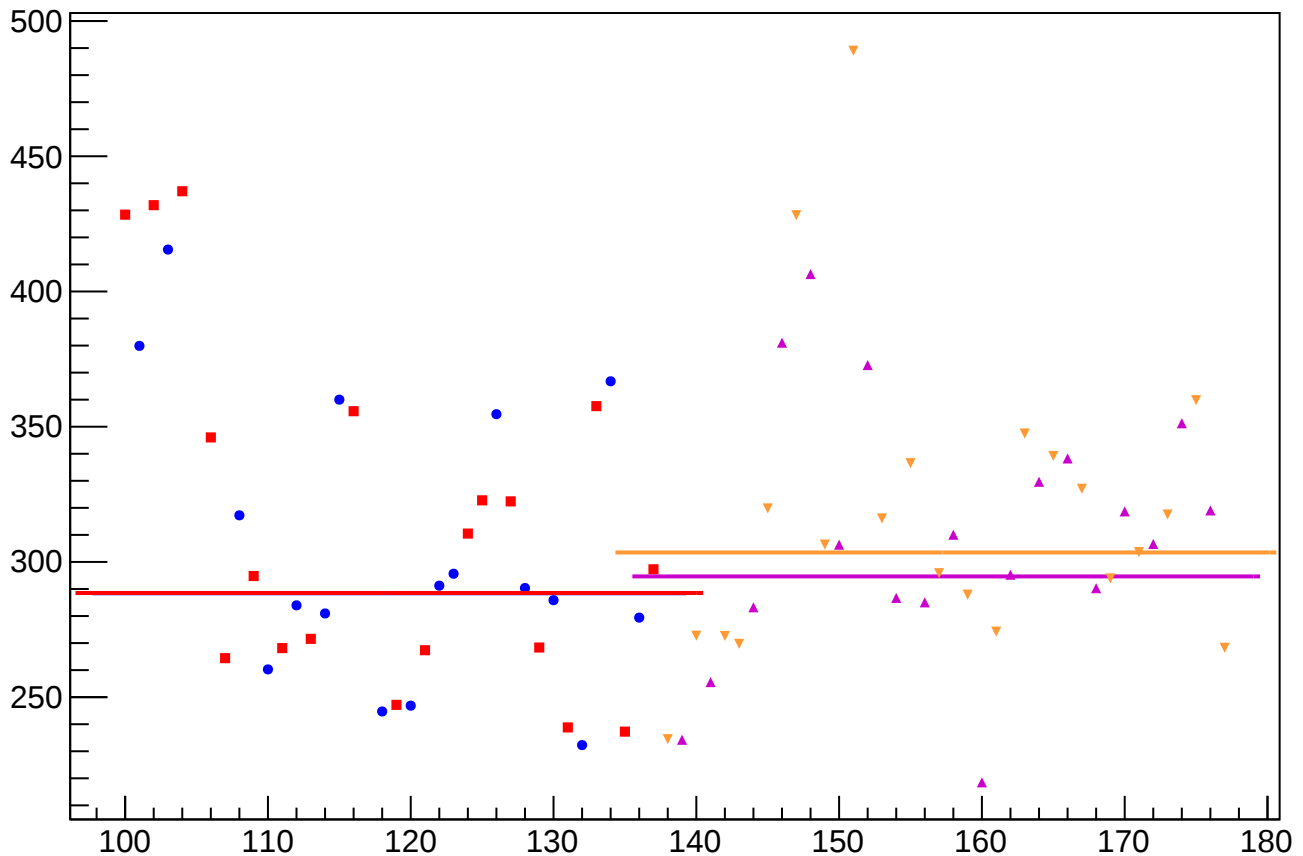
Left In: -266.207 ± 78.688 $\chi^2/\text{NDF}: 590.5/18$

+ sign 519.633 ± 64.254 $\chi^2/\text{NDF}: 1188.1/37$

All: 318.967 ± 45.405 $\chi^2/\text{NDF}: 2189.7/75$

- sign 118.823 ± 64.170 $\chi^2/\text{NDF}: 982.1/37$

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 $\pm$ 0.081 χ^2 /NDF: 339820.0/16

Left Out: 303.501 $\pm$ 0.055 χ^2 /NDF: 691993.3/20

Right Out: 288.522 $\pm$ 0.078 χ^2 /NDF: 455410.1/18

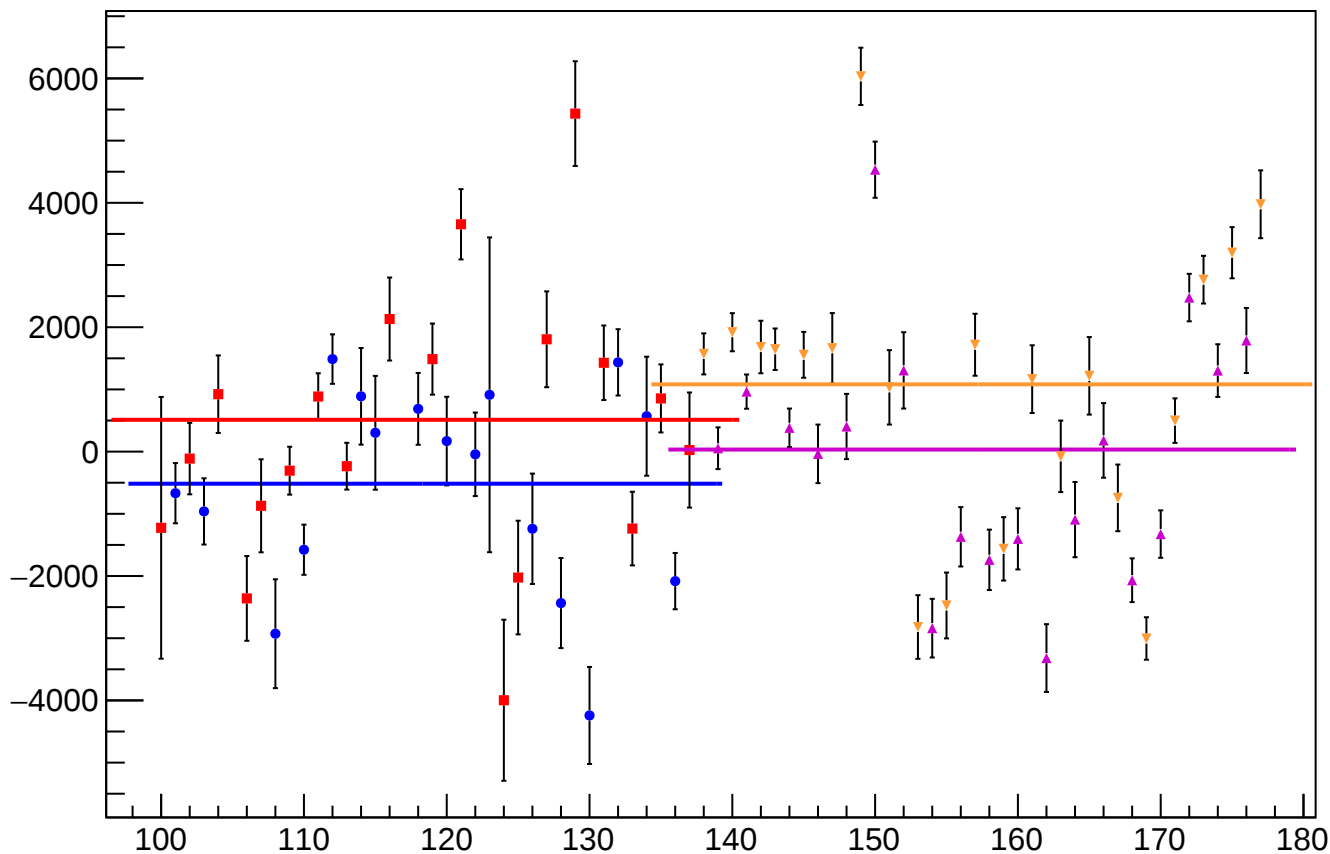
Left In: 294.649 $\pm$ 0.056 χ^2 /NDF: 685875.3/18

+ sign 298.708 $\pm$ 0.045 χ^2 /NDF: 1055680.4/37

All: 295.648 $\pm$ 0.032 χ^2 /NDF: 2210086.4/75

- sign 292.597 $\pm$ 0.045 χ^2 /NDF: 1145347.1/37

asym_bpm0r05WS_mean vs Slug



Right In: -515.894+/-147.326 χ^2 /NDF: 108.0/16

Left Out: 1081.831+/-94.240 χ^2 /NDF: 500.2/20

Right Out: 511.851+/-135.798 χ^2 /NDF: 141.3/18

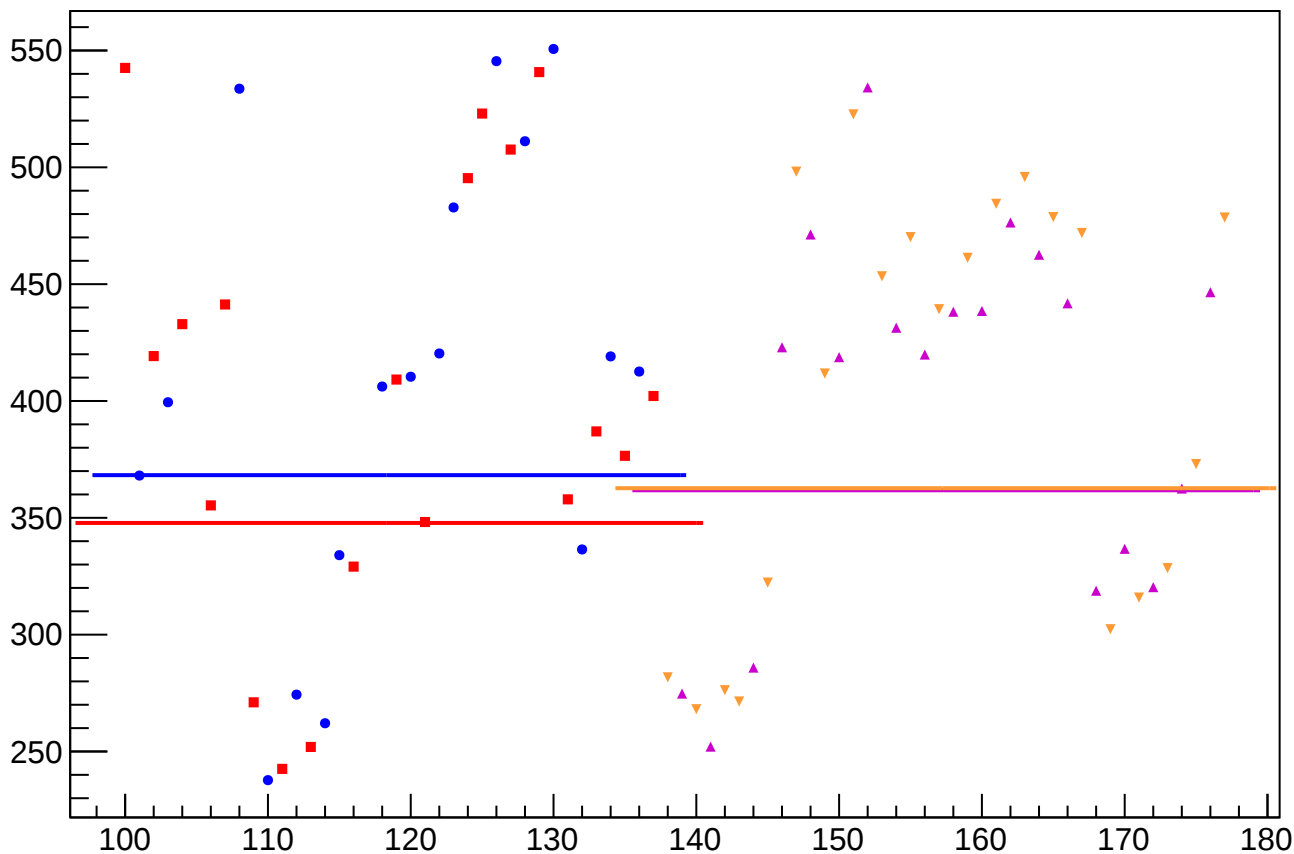
Left In: 33.081+/-97.394 χ^2 /NDF: 335.3/18

+ sign 617.905+/-79.388 χ^2 /NDF: 691.6/37

All: 406.154+/-56.049 χ^2 /NDF: 1190.6/75

- sign 195.701+/-79.144 χ^2 /NDF: 484.8/37

asym_bpm0r05WS_rms vs Slug



Right In: 368.264 ± 0.104 $\chi^2/\text{NDF}: 770116.6/16$

Left Out: 362.670 ± 0.067 $\chi^2/\text{NDF}: 1680892.7/20$

Right Out: 347.802 ± 0.096 $\chi^2/\text{NDF}: 821862.5/18$

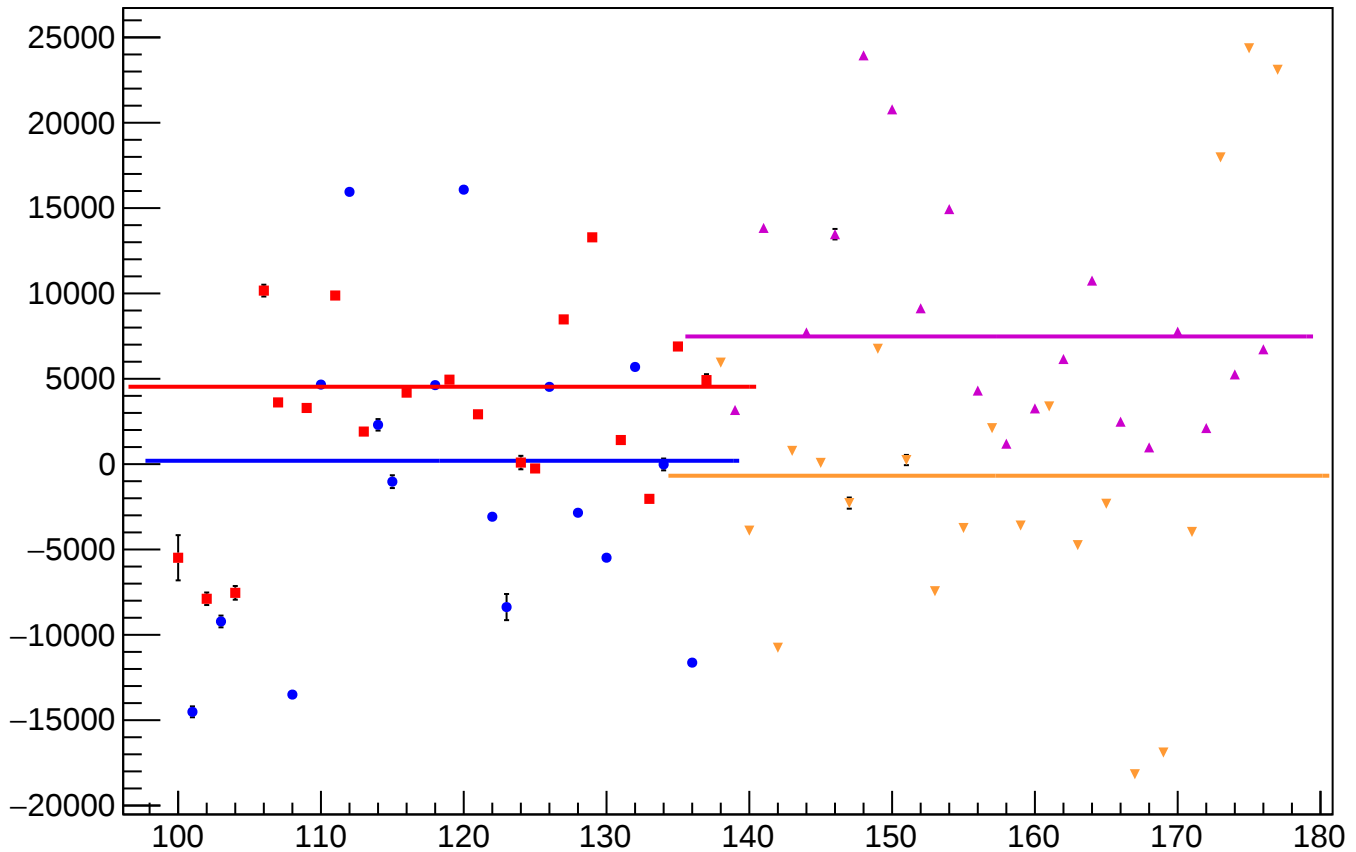
Left In: 361.794 ± 0.069 $\chi^2/\text{NDF}: 1348750.6/18$

+ sign 364.295 ± 0.056 $\chi^2/\text{NDF}: 2453055.3/37$

All: 360.657 ± 0.040 $\chi^2/\text{NDF}: 4646061.8/75$

- sign 357.042 ± 0.056 $\chi^2/\text{NDF}: 2184633.8/37$

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -679.019+/-44.315 χ^2/NDF : 52869.3/20

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

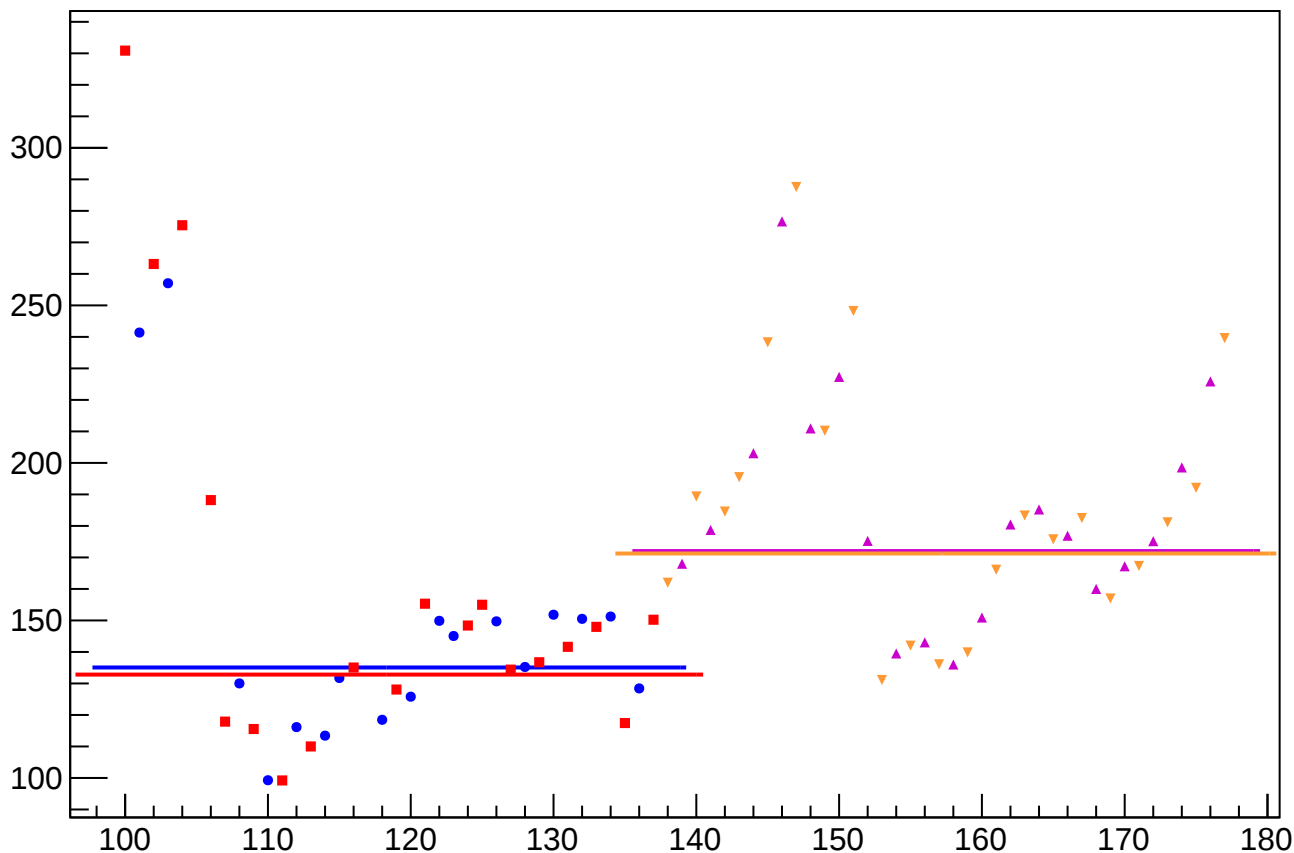
Left In: 7479.863+/-46.370 χ^2/NDF : 17297.4/18

+ sign -332.642+/-34.458 χ^2/NDF : 83682.1/37

All: 2900.699+/-24.466 χ^2/NDF : 127983.6/75

- sign 6187.915+/-34.743 χ^2/NDF : 26544.6/37

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 171.246+/-0.031 χ^2/NDF : 1181064.4/20

Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

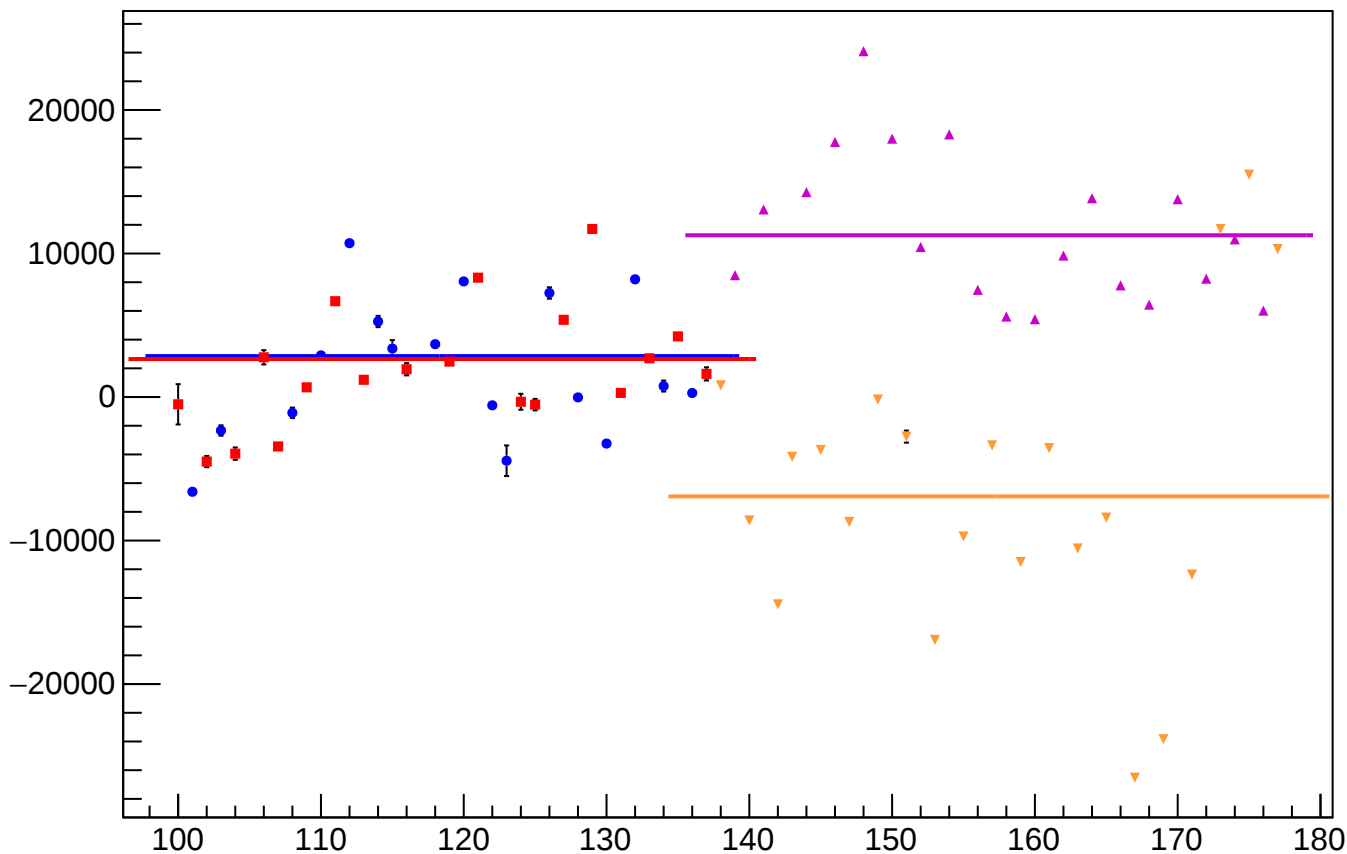
Left In: 172.015+/-0.033 χ^2/NDF : 854493.3/18

+ sign 156.943+/-0.024 χ^2/NDF : 2366702.9/37

All: 155.891+/-0.017 χ^2/NDF : 4682998.4/75

- sign 154.823+/-0.025 χ^2/NDF : 2312541.1/37

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -6923.044+/-49.472 χ^2/NDF : 44540.6/20

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

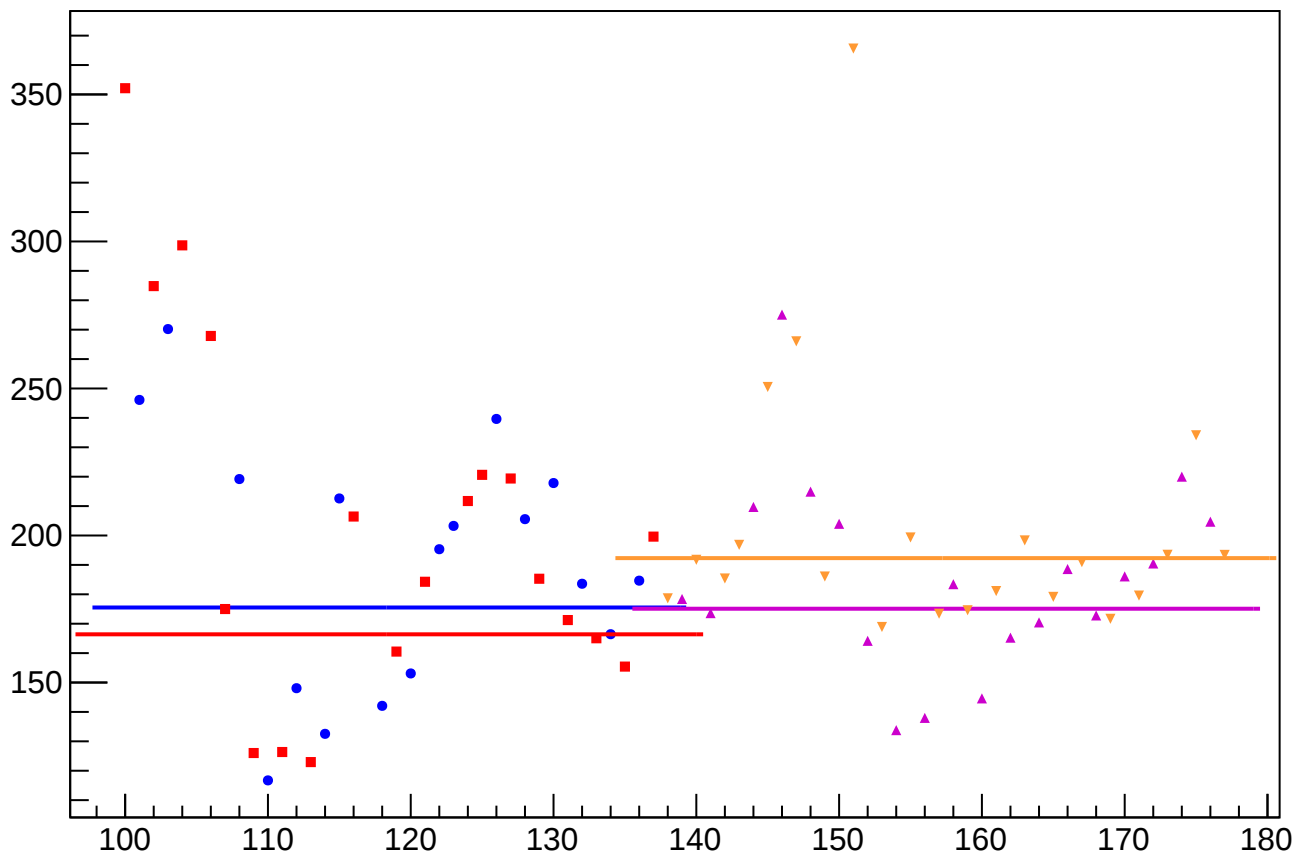
Left In: 11275.058+/-47.256 χ^2/NDF : 11295.1/18

+ sign -3713.469+/-40.544 χ^2/NDF : 61537.0/37

All: 2642.984+/-27.868 χ^2/NDF : 133955.1/75

- sign 8335.845+/-38.369 χ^2/NDF : 25824.2/37

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 192.308 $\pm$ 0.035 χ^2 /NDF: 711123.1/20

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

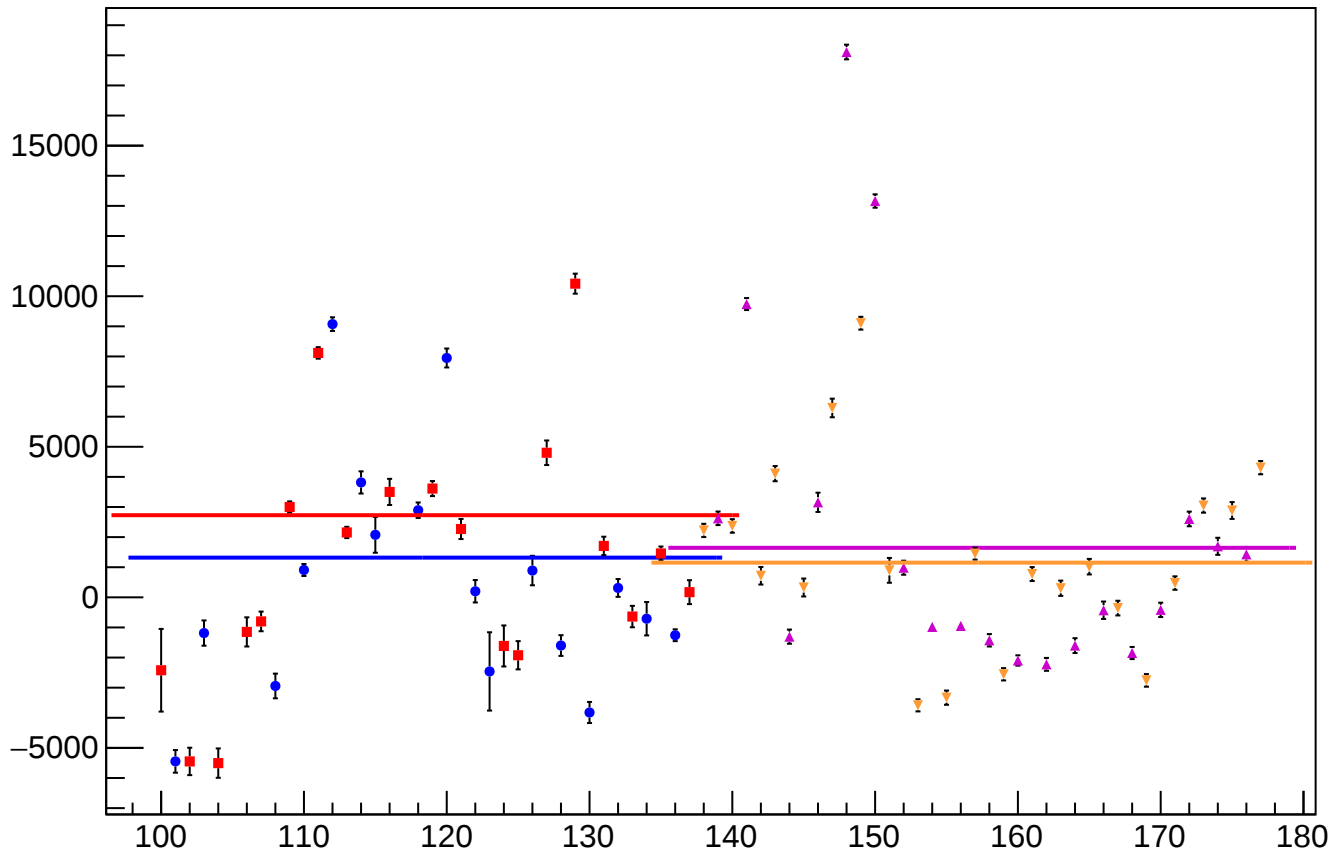
Left In: 175.096 $\pm$ 0.033 χ^2 /NDF: 807542.6/18

+ sign 186.793 $\pm$ 0.029 χ^2 /NDF: 1476438.5/37

All: 179.058 $\pm$ 0.020 χ^2 /NDF: 3374629.5/75

- sign 172.130 $\pm$ 0.027 χ^2 /NDF: 1760190.4/37

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1152.137+/-52.102 χ^2/NDF : 3820.0/20

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

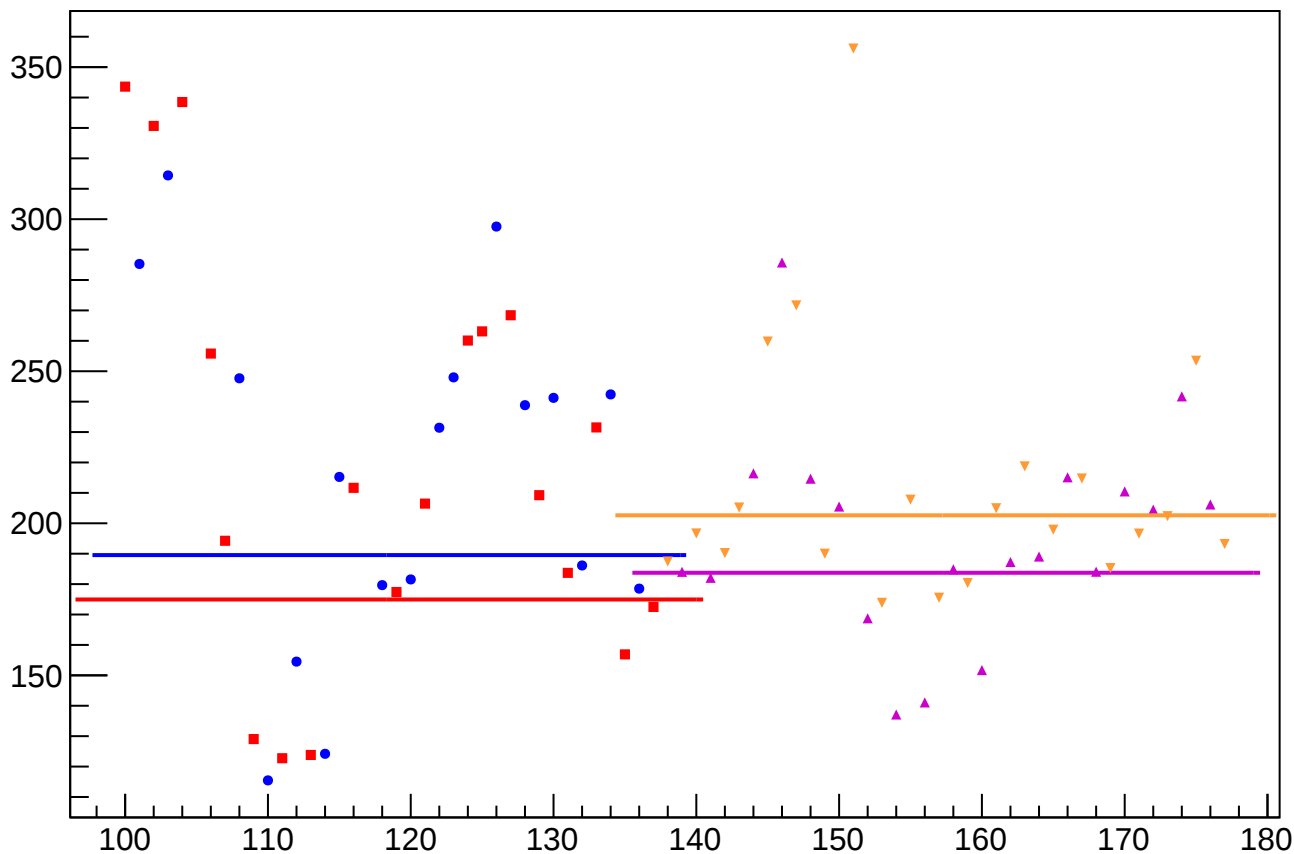
Left In: 1644.707+/-49.675 χ^2/NDF : 11303.6/18

+ sign 1204.409+/-43.177 χ^2/NDF : 6490.2/37

All: 1631.330+/-29.545 χ^2/NDF : 20632.7/75

- sign 2007.261+/-40.517 χ^2/NDF : 13958.7/37

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 202.623 $\pm$ 0.037 χ^2 /NDF: 672848.7/20

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

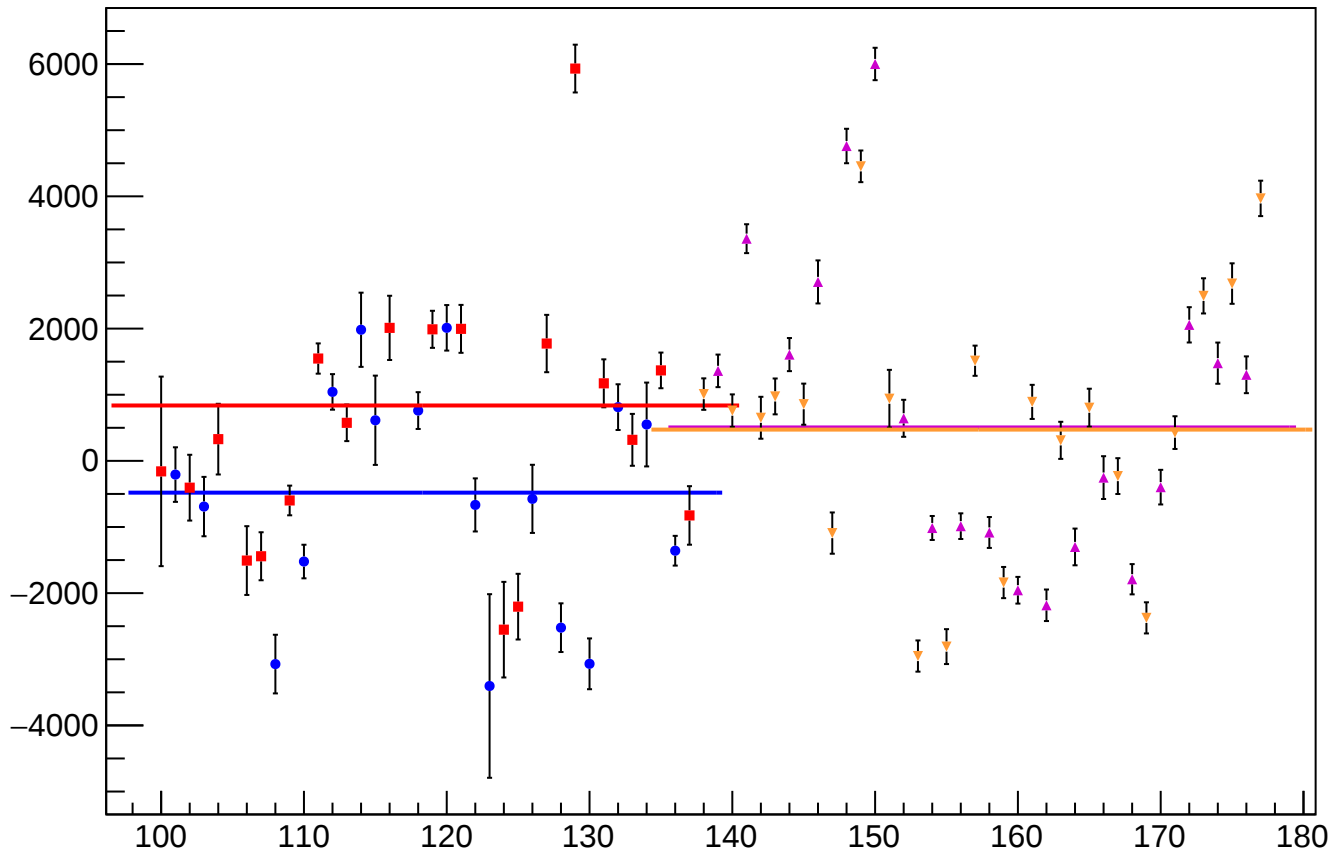
Left In: 183.730 $\pm$ 0.035 χ^2 /NDF: 863920.6/18

+ sign 198.526 $\pm$ 0.031 χ^2 /NDF: 1693069.1/37

All: 189.094 $\pm$ 0.021 χ^2 /NDF: 4054523.8/75

- sign 180.789 $\pm$ 0.029 χ^2 /NDF: 2181970.7/37

asym_bpm0i07WS_mean vs Slug



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 472.752+/-58.004 χ^2/NDF : 1234.5/20

Right Out: 837.442+/-82.243 χ^2/NDF : 435.3/18

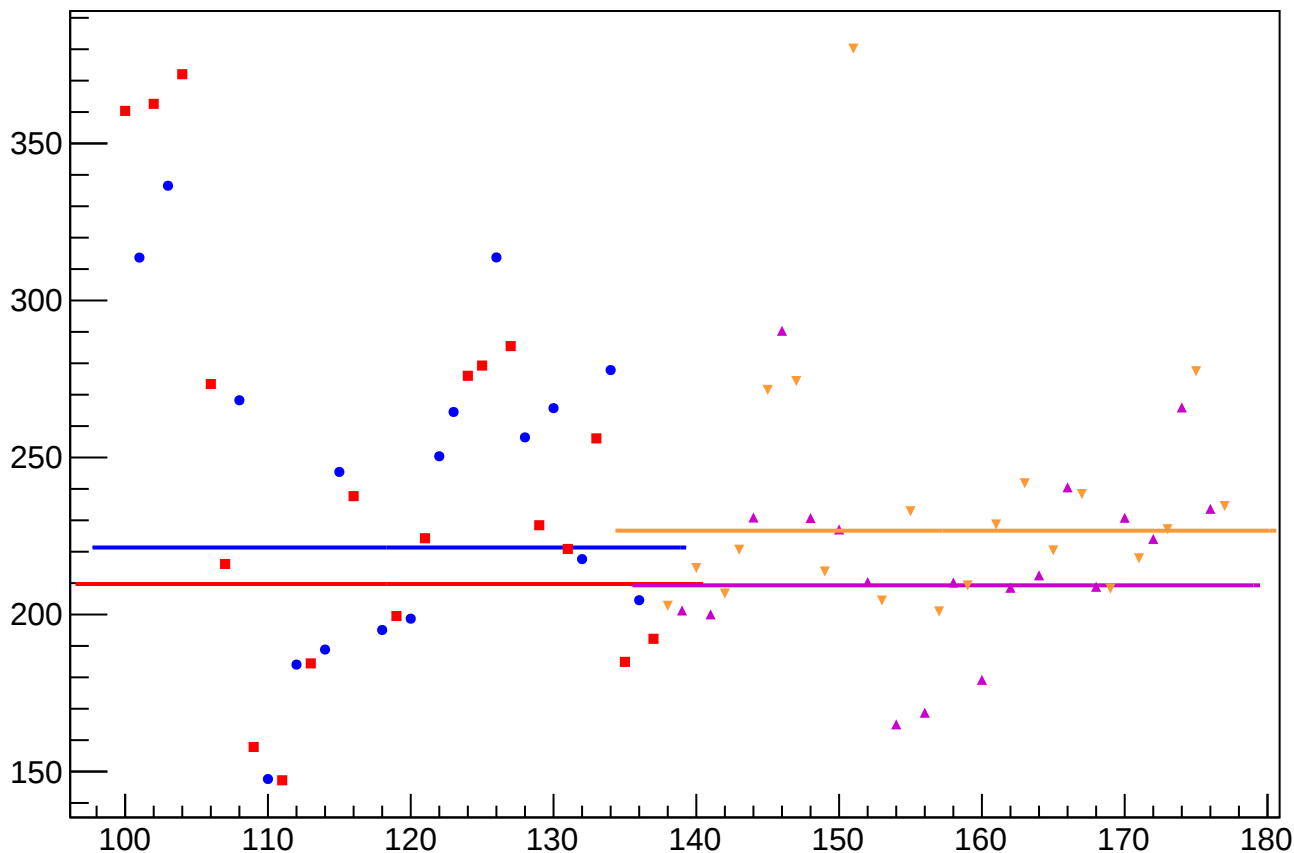
Left In: 505.379+/-56.082 χ^2/NDF : 1681.9/18

+ sign 186.923+/-48.536 χ^2/NDF : 1606.2/37

All: 408.680+/-33.515 χ^2/NDF : 3774.4/75

- sign 610.777+/-46.335 χ^2/NDF : 2128.4/37

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 226.699 $\pm$ 0.041 χ^2 /NDF: 512754.4/20

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

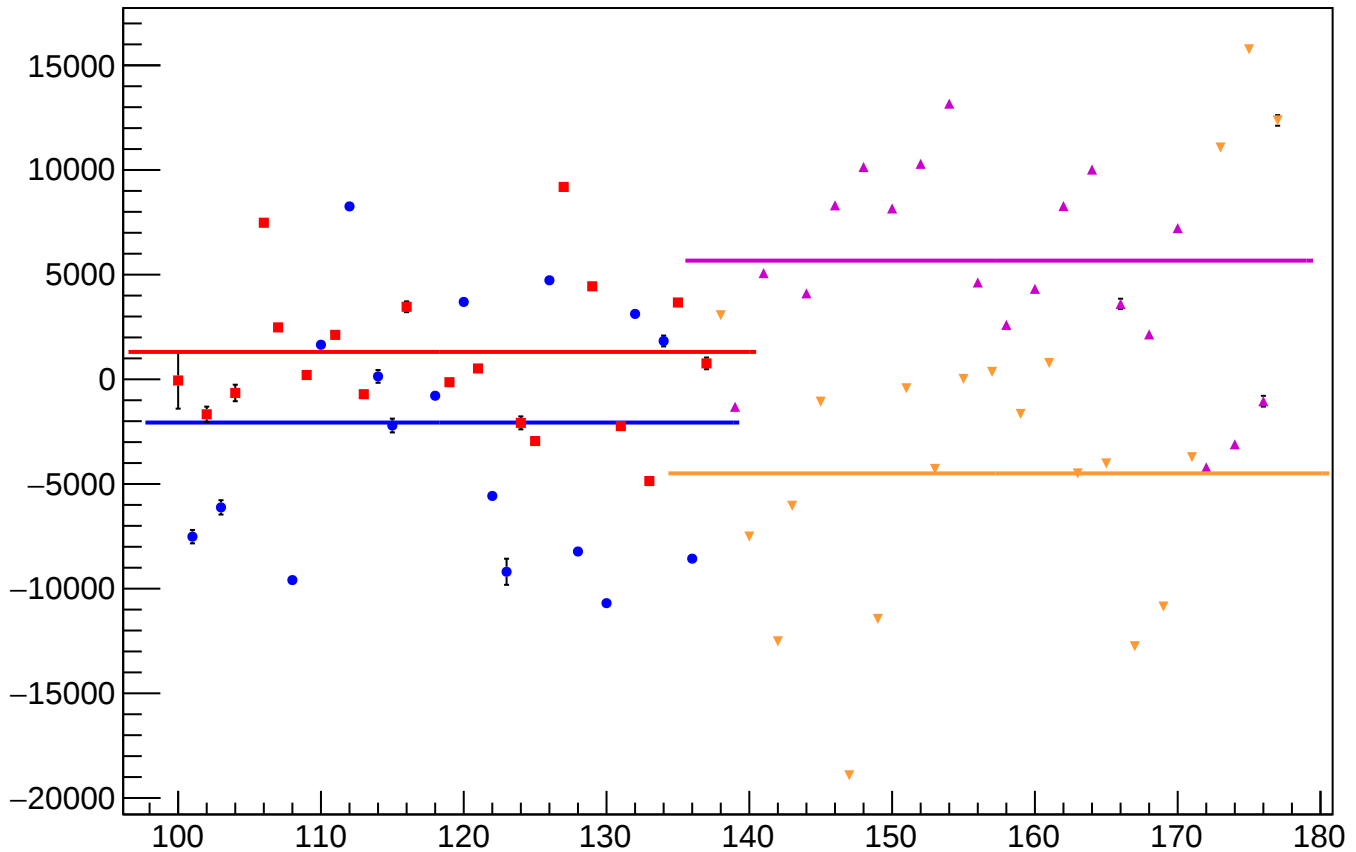
Left In: 209.303 $\pm$ 0.040 χ^2 /NDF: 539871.1/18

+ sign 225.093 $\pm$ 0.034 χ^2 /NDF: 1163556.1/37

All: 216.900 $\pm$ 0.024 χ^2 /NDF: 2696288.2/75

- sign 209.434 $\pm$ 0.033 χ^2 /NDF: 1423823.4/37

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -4493.111 ± 34.797 $\chi^2/\text{NDF}: 49444.5/20$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

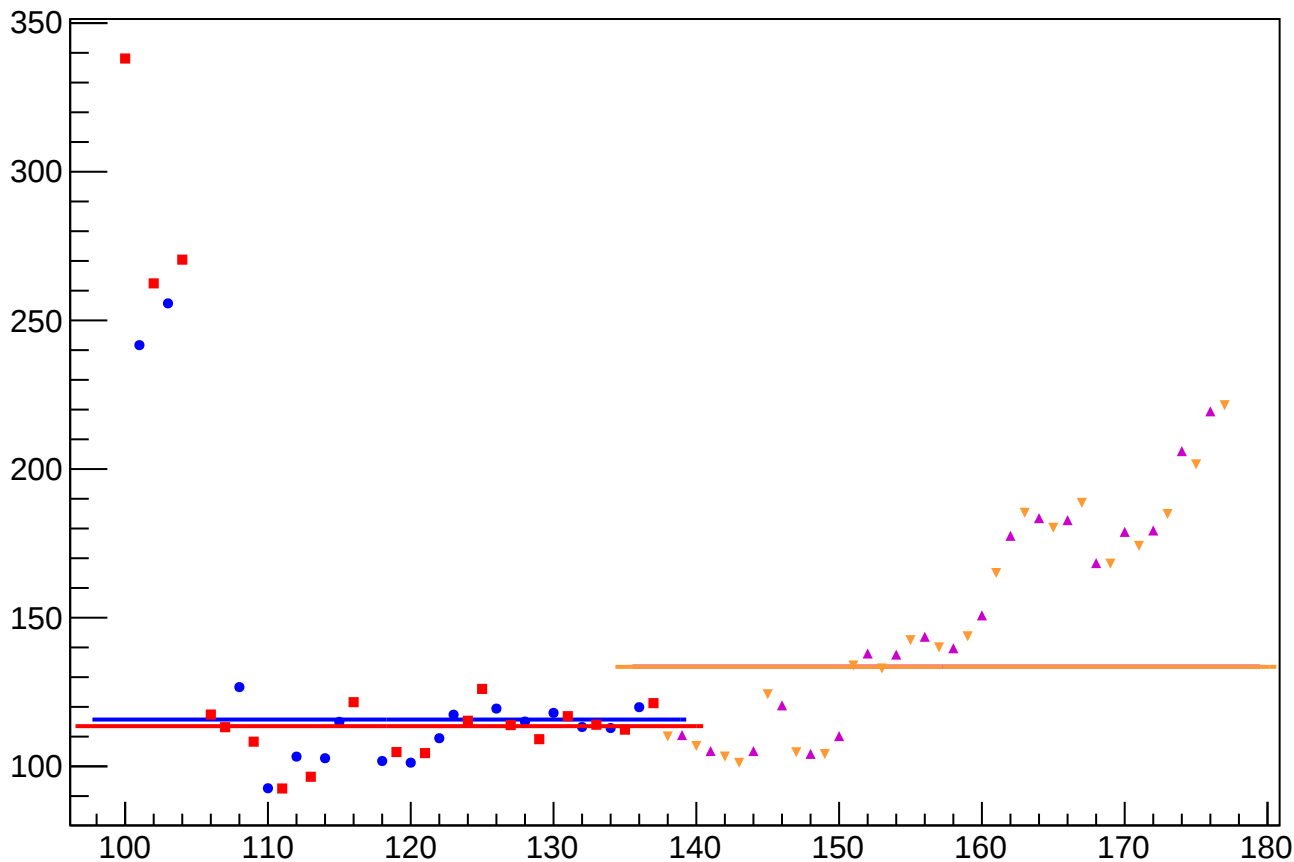
Left In: 5669.772 ± 36.091 $\chi^2/\text{NDF}: 14090.4/18$

+ sign -3641.039 ± 28.034 $\chi^2/\text{NDF}: 67686.4/37$

All: 144.442 ± 19.865 $\chi^2/\text{NDF}: 130012.4/75$

- sign 3962.635 ± 28.155 $\chi^2/\text{NDF}: 25700.8/37$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 133.469+/-0.025 χ^2/NDF : 1708605.7/20

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

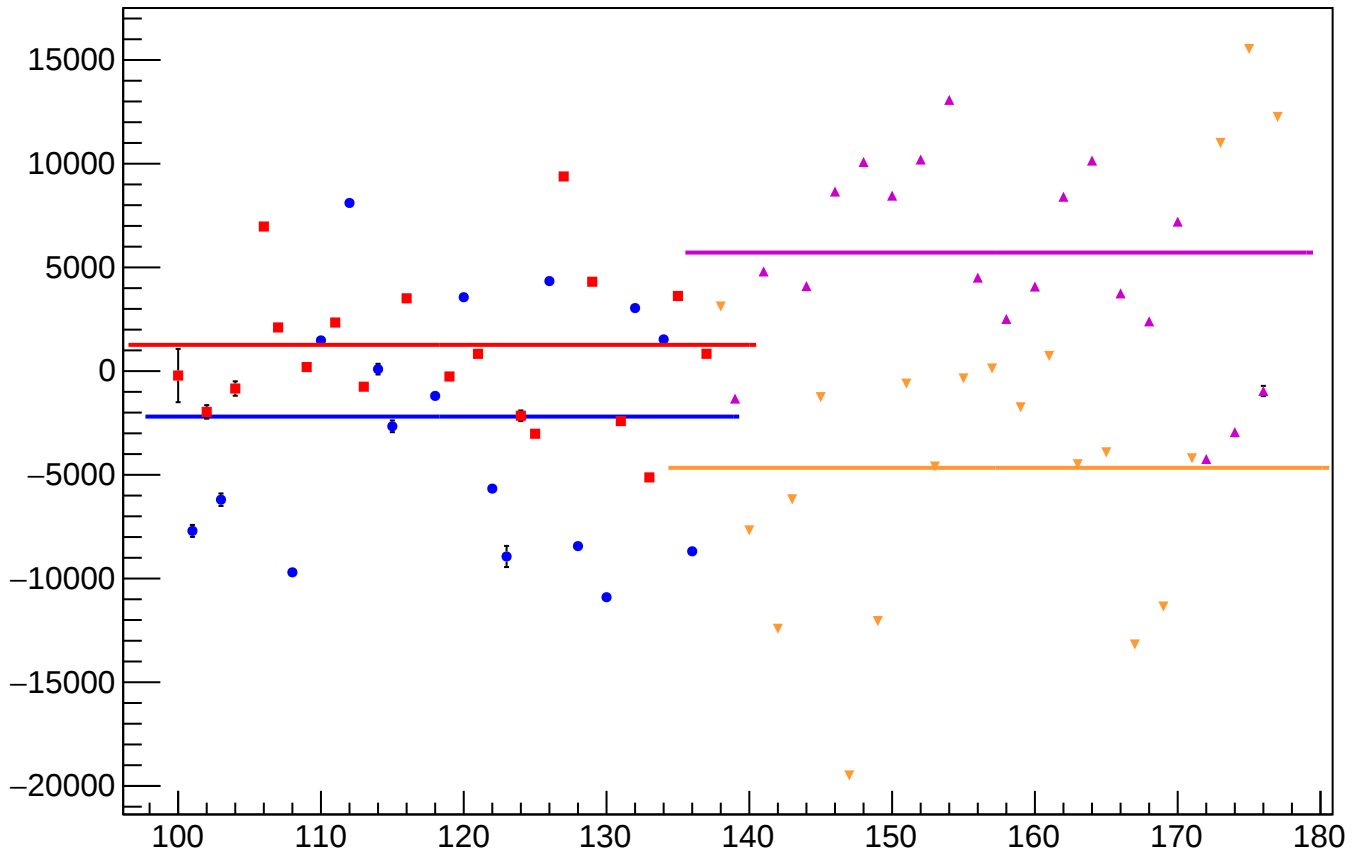
Left In: 133.564+/-0.026 χ^2/NDF : 1479483.6/18

+ sign 127.248+/-0.020 χ^2/NDF : 2634819.3/37

All: 126.486+/-0.014 χ^2/NDF : 5155392.5/75

- sign 125.718+/-0.020 χ^2/NDF : 2517607.7/37

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327+/-39.944 χ^2/NDF : 22813.5/16

Left Out: -4662.617+/-31.581 χ^2/NDF : 58286.5/20

Right Out: 1266.189+/-38.048 χ^2/NDF : 8550.5/18

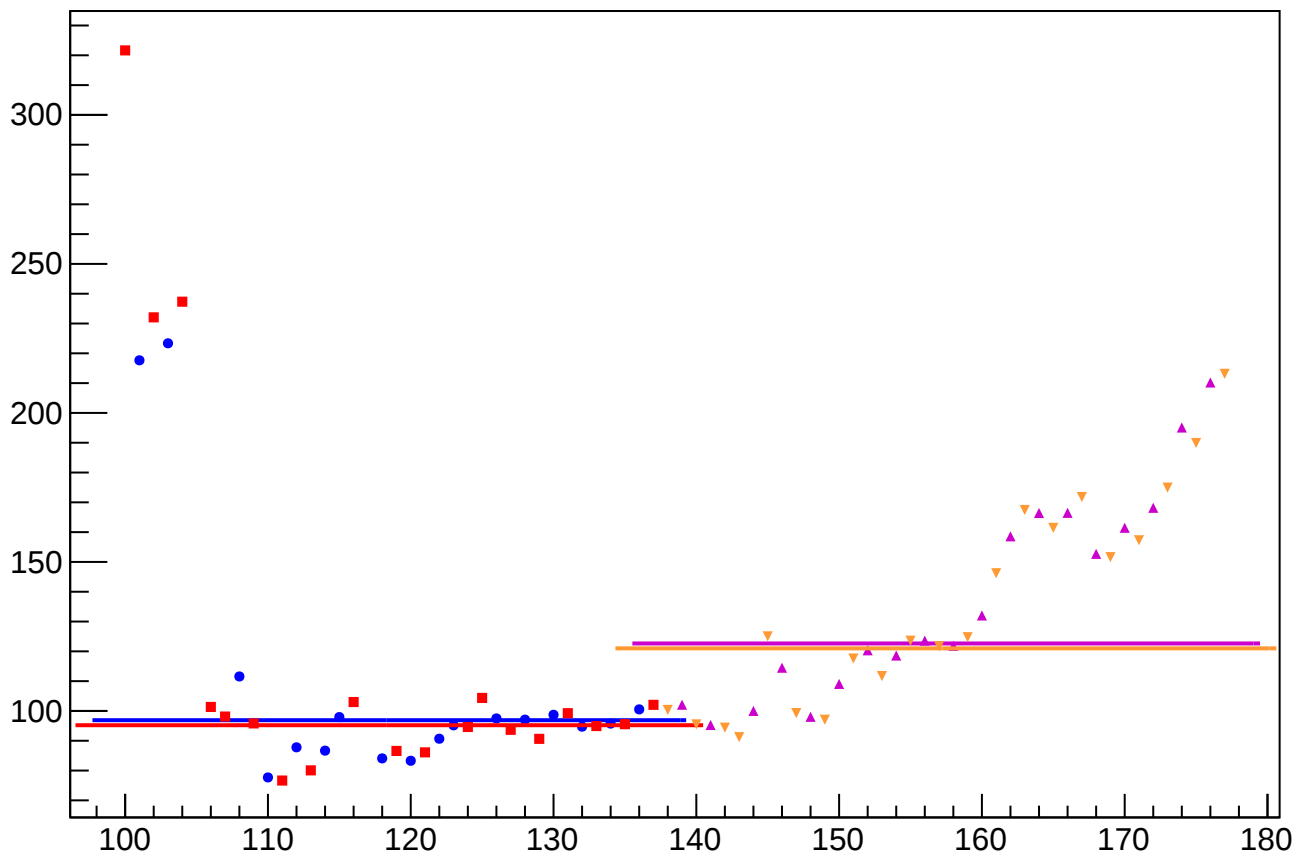
Left In: 5715.646+/-33.100 χ^2/NDF : 16890.4/18

+ sign -3712.399+/-24.774 χ^2/NDF : 83453.5/37

All: 13.210+/-17.587 χ^2/NDF : 162275.7/75

- sign 3798.896+/-24.973 χ^2/NDF : 33225.3/37

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 121.001+/-0.022 χ^2/NDF : 1712887.3/20

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

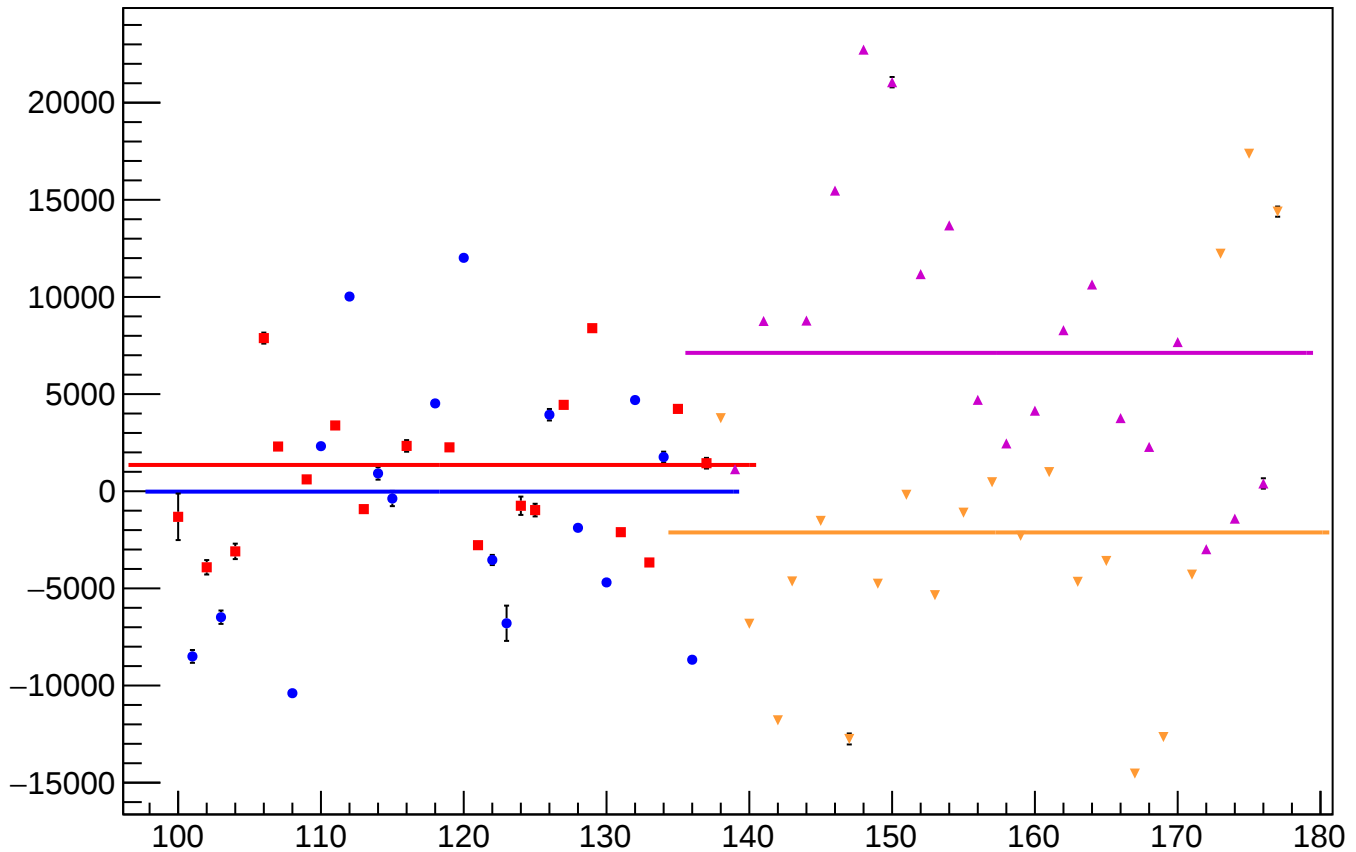
Left In: 122.646+/-0.023 χ^2/NDF : 1362712.7/18

+ sign 111.728+/-0.018 χ^2/NDF : 2978386.4/37

All: 111.282+/-0.012 χ^2/NDF : 5794007.1/75

- sign 110.828+/-0.018 χ^2/NDF : 2814312.4/37

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -2120.408 ± 42.417 χ^2/NDF : 28414.2/20

Right Out: 1353.461 ± 52.367 χ^2/NDF : 3837.2/18

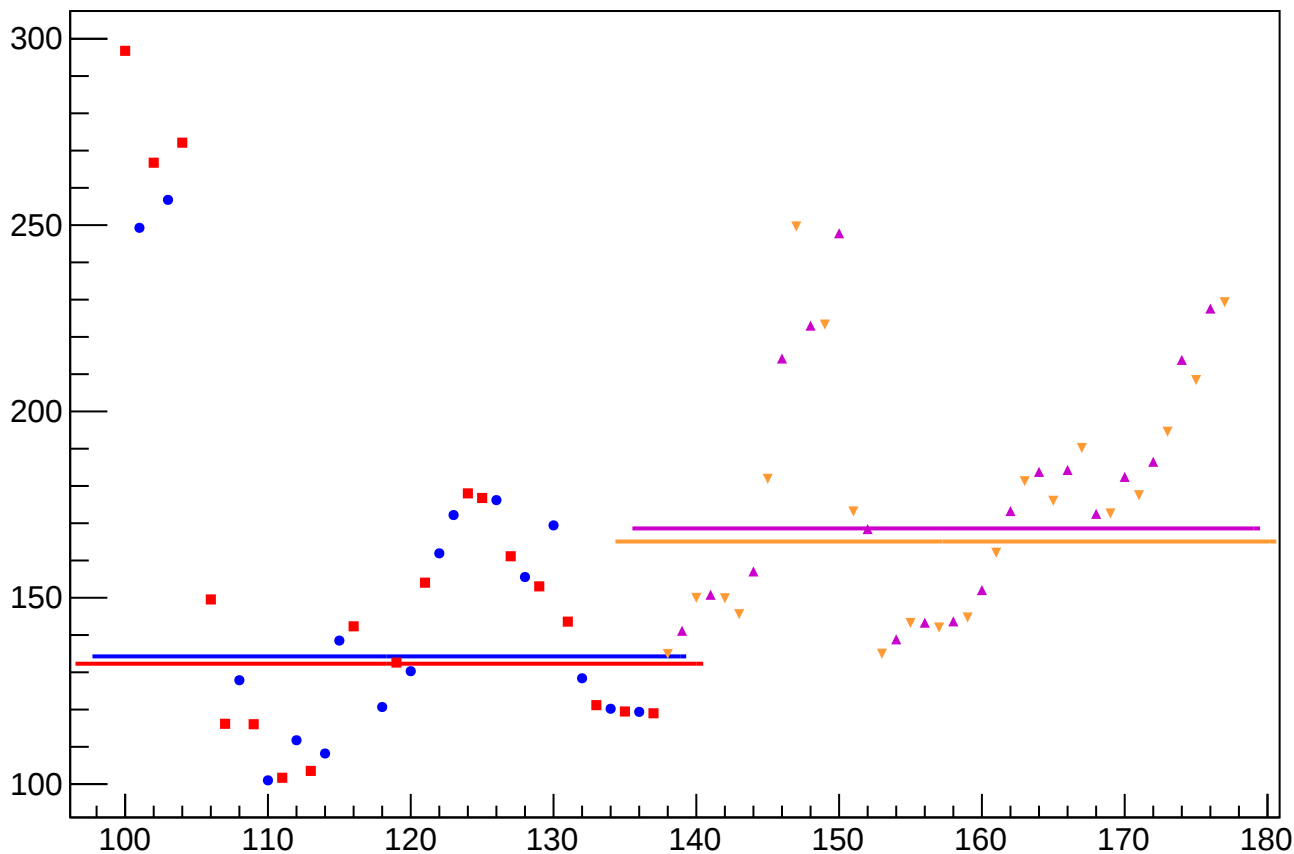
Left In: 7122.088 ± 45.060 χ^2/NDF : 17720.8/18

+ sign -1330.643 ± 33.507 χ^2/NDF : 45697.2/37

All: 1611.154 ± 23.919 χ^2/NDF : 89945.6/75

- sign 4667.995 ± 34.156 χ^2/NDF : 28530.4/37

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 ± 0.039 χ^2/NDF : 788647.0/16

Left Out: 165.096 ± 0.030 χ^2/NDF : 891875.0/20

Right Out: 132.302 ± 0.037 χ^2/NDF : 869892.7/18

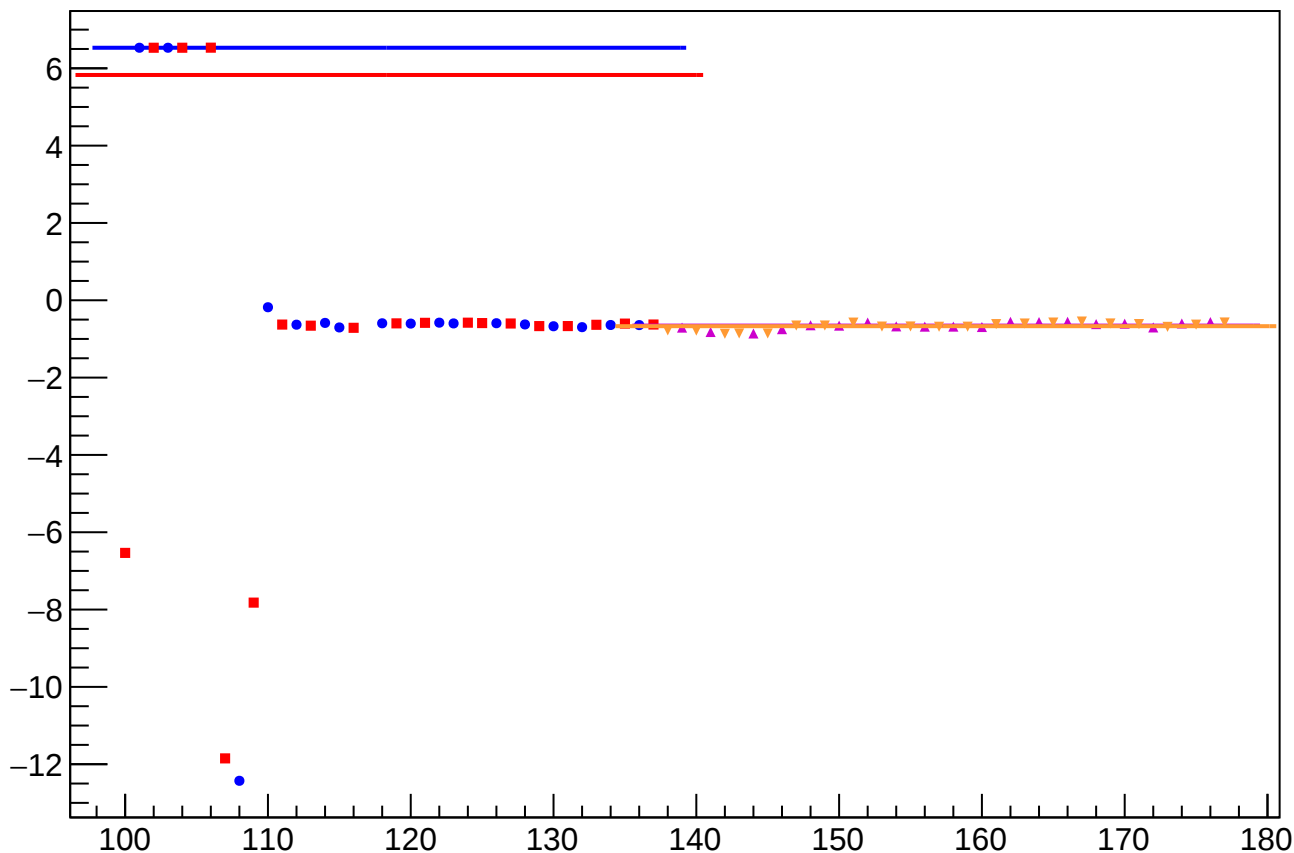
Left In: 168.608 ± 0.032 χ^2/NDF : 817801.2/18

+ sign 153.505 ± 0.024 χ^2/NDF : 2077761.5/37

All: 153.337 ± 0.017 χ^2/NDF : 4317921.8/75

- sign 153.163 ± 0.024 χ^2/NDF : 2240058.3/37

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

Left Out: -0.670 $\pm$ 0.000 χ^2 /NDF: 139491885.6/20

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755948646460090.5/18

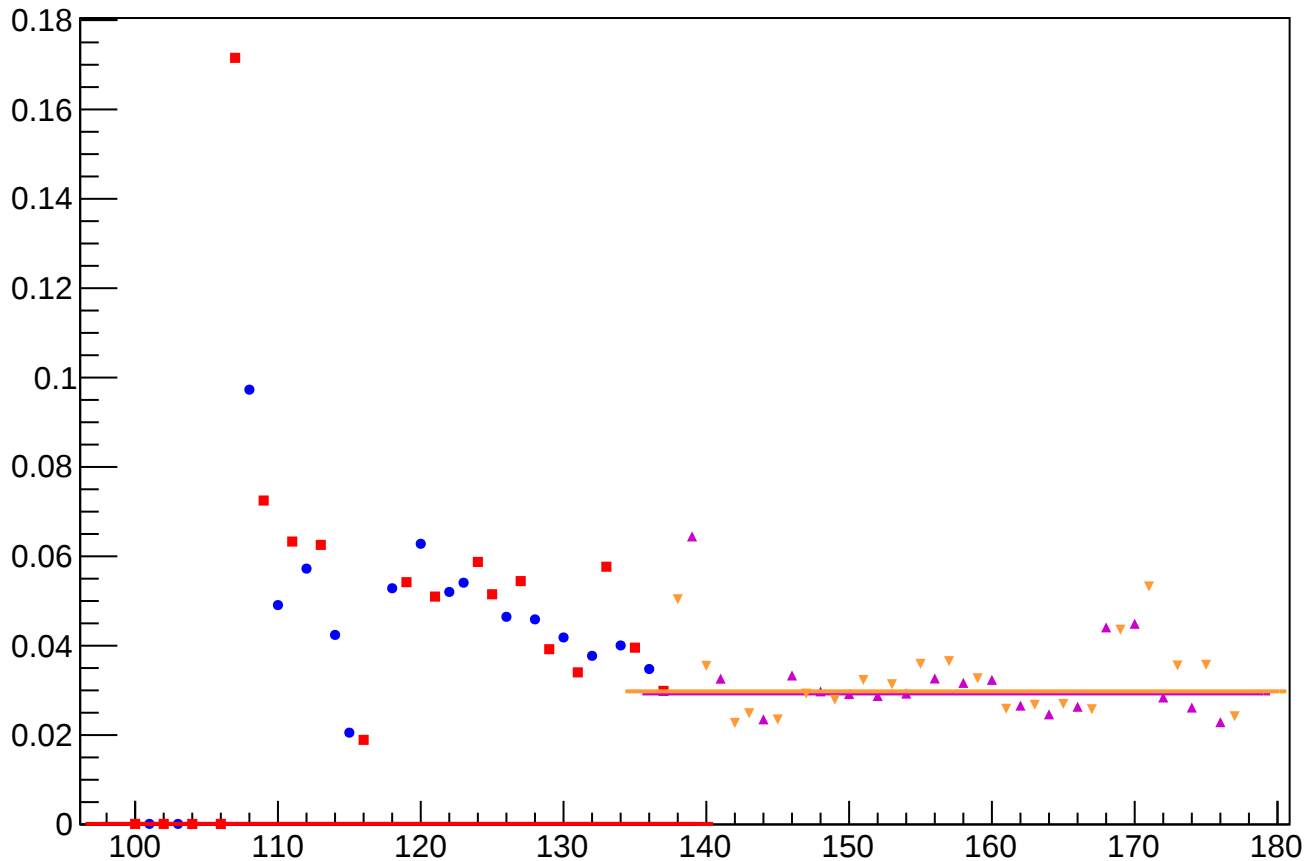
Left In: -0.655 $\pm$ 0.000 χ^2 /NDF: 111270608.7/18

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 847361682574.9/37

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 77734277357579

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756507593279059.4/18

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 : 1138239.7/20

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

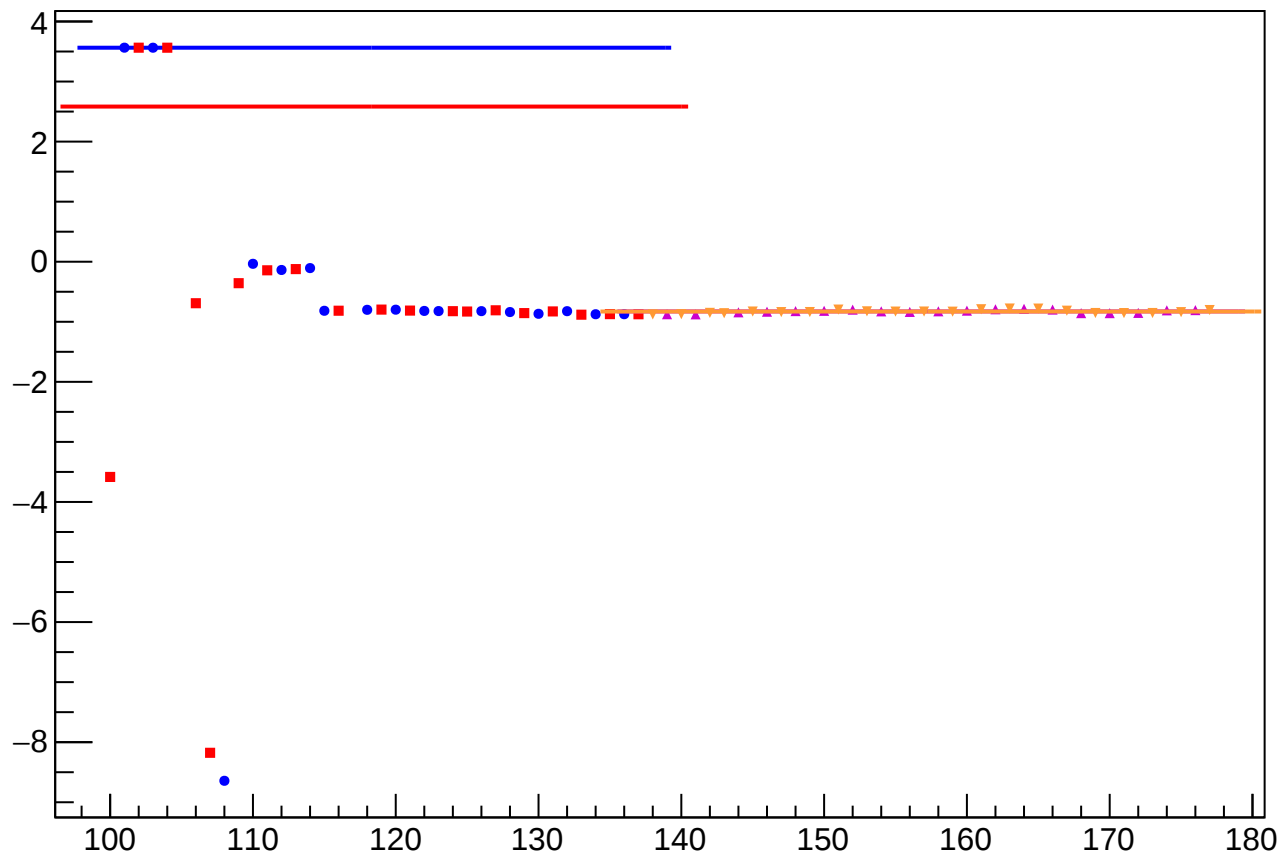
Left In: 0.029+/-0.000 χ^2/NDF : 1015505.5/18

+ sign 0.000+/-0.000 χ^2/NDF : 34574655.6/37

All: 0.000+/-0.000 χ^2/NDF : 67633196.6/75

- sign 0.000+/-0.000 χ^2/NDF : 33057934.9/37

yield_cav4bY_mean vs Slug



Right In: 3.563 ± 0.000 $\chi^2/\text{NDF}: 486958795673.0/16$

Left Out: -0.829 ± 0.000 $\chi^2/\text{NDF}: 153421661.0/20$

Right Out: 2.583 ± 0.000 $\chi^2/\text{NDF}: 1253505323583154.2/18$

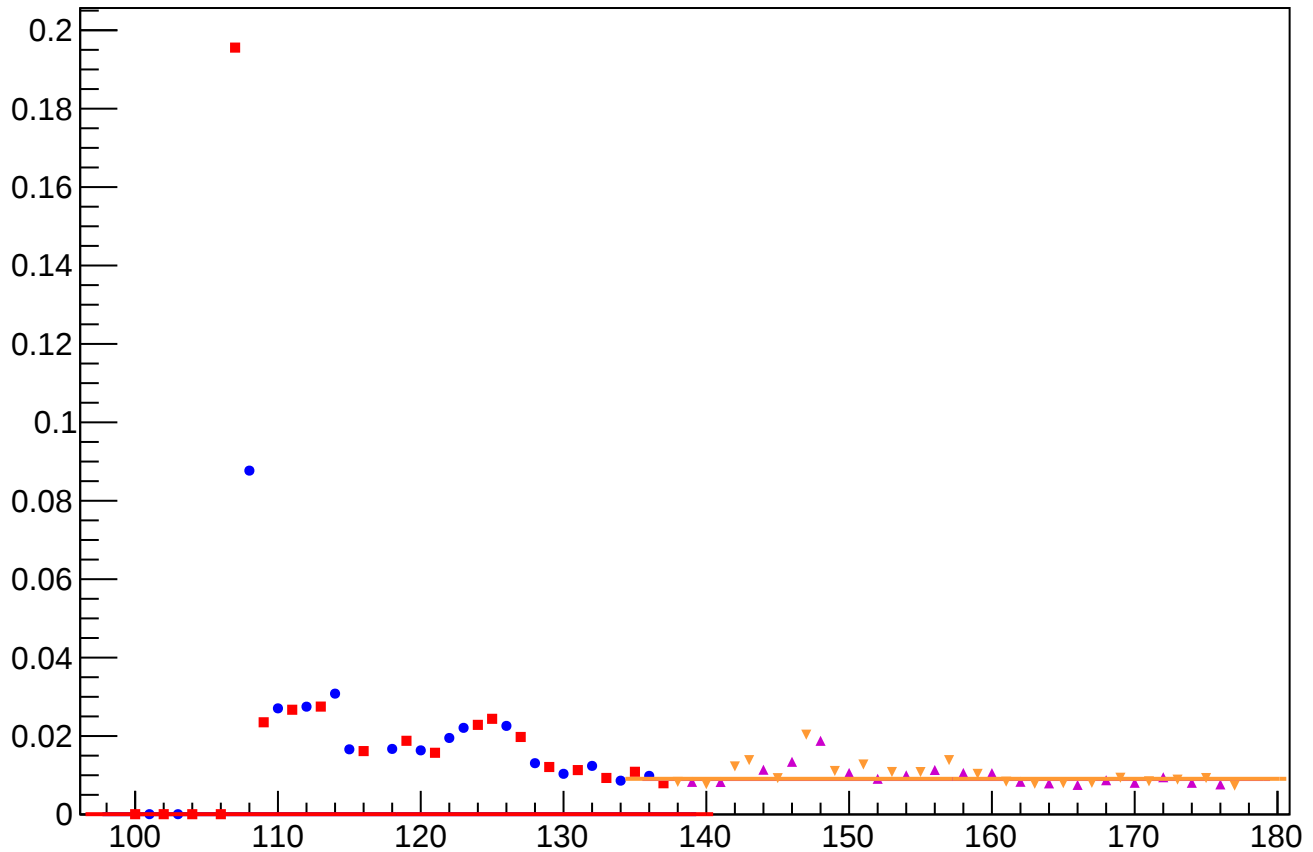
Left In: -0.828 ± 0.000 $\chi^2/\text{NDF}: 130853959.0/18$

+ sign 3.561 ± 0.000 $\chi^2/\text{NDF}: 3511790114139.5/37$

All: 3.038 ± 0.000 $\chi^2/\text{NDF}: 1386824699465.0/18$

- sign 2.582 ± 0.000 $\chi^2/\text{NDF}: 1255227128754145.0/18$

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 : 1172518.5/20

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

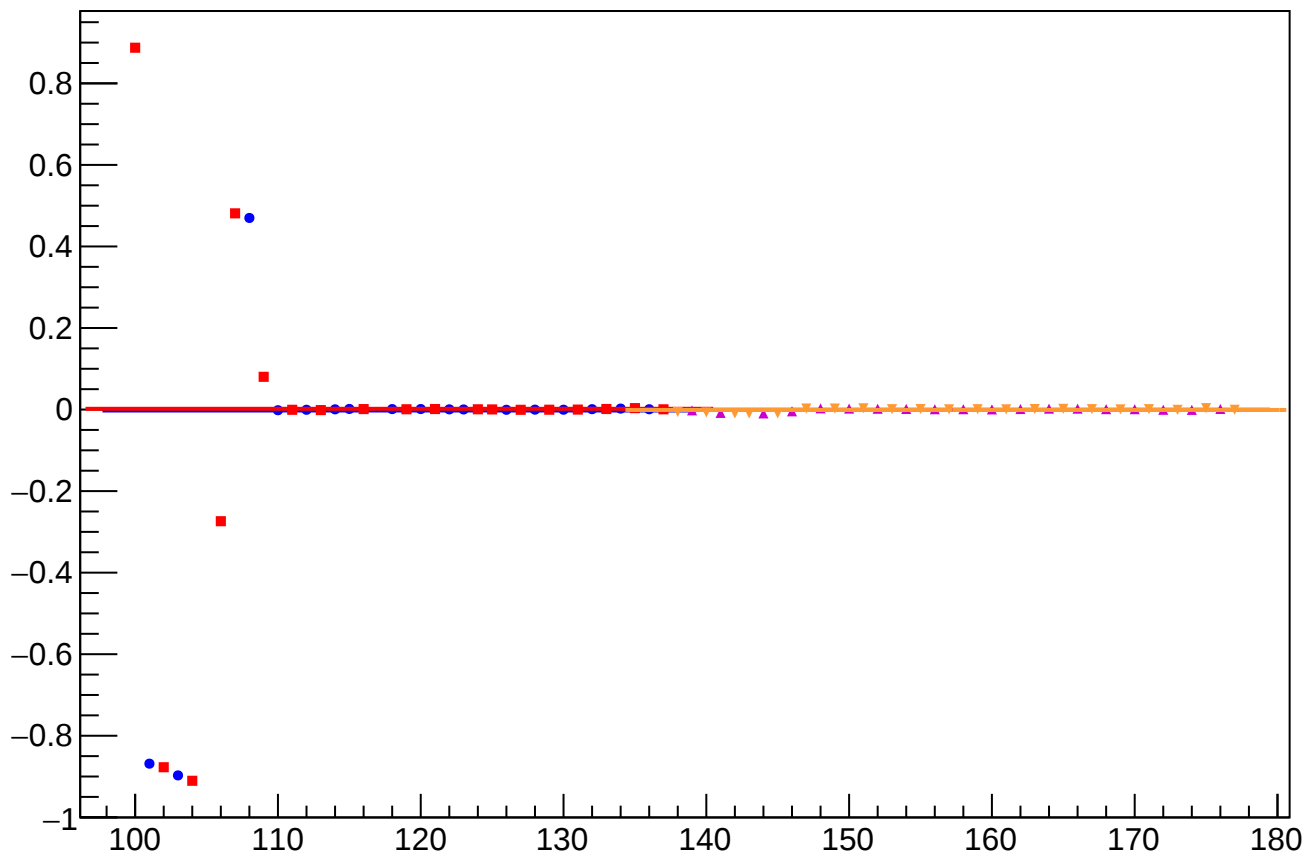
Left In: 0.009+/-0.000 χ^2/NDF : 868193.1/18

+ sign 0.000+/-0.000 χ^2/NDF : 36537598.2/37

All: 0.000+/-0.000 χ^2/NDF : 71074523.9/75

- sign 0.000+/-0.000 χ^2/NDF : 34535806.9/37

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 : 101818719.6/20

Right Out: 0.002+/-0.000 χ^2/NDF : 3041331104.7/18

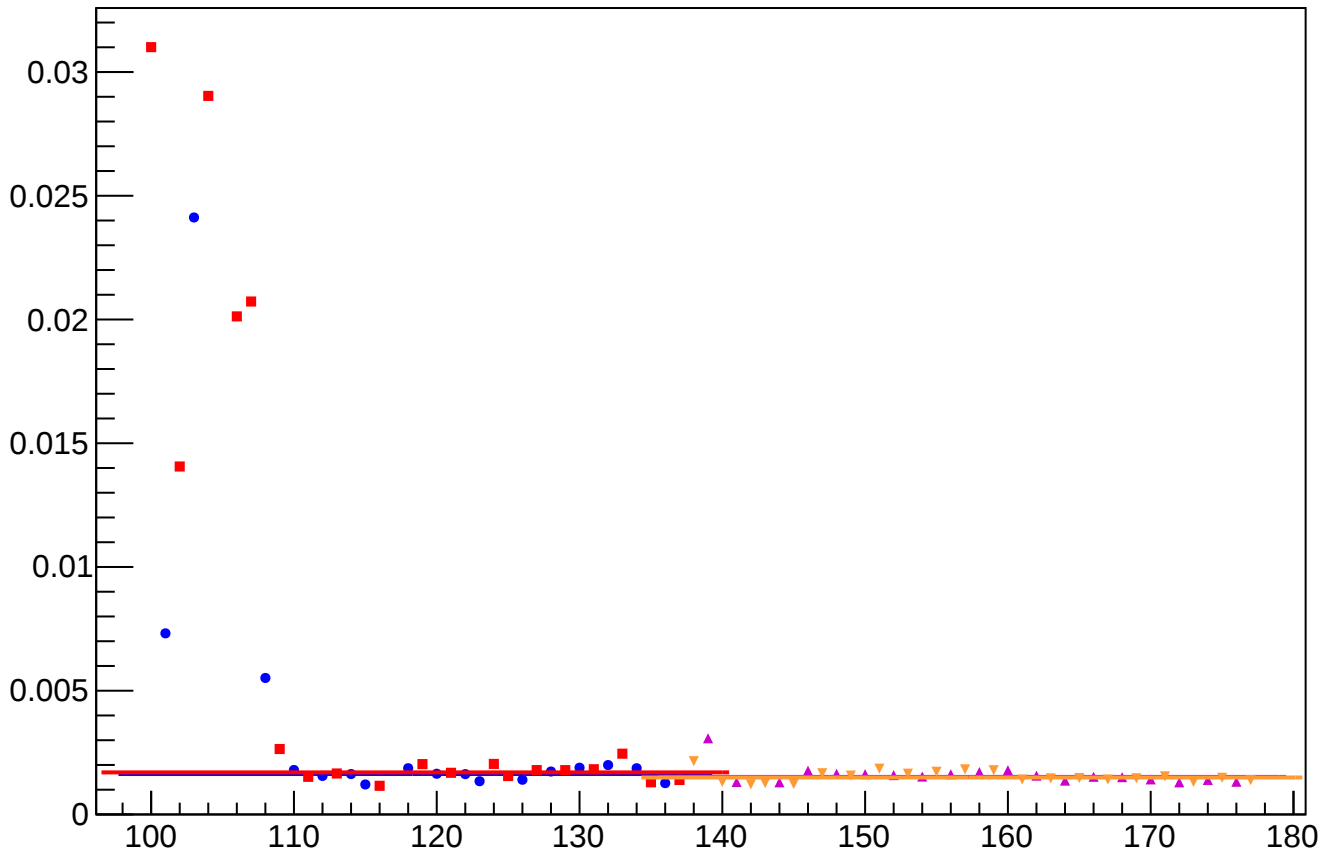
Left In: -0.000+/-0.000 χ^2/NDF : 68786589.5/18

+ sign -0.001+/-0.000 χ^2/NDF : 9899322984.8/37

All: -0.001+/-0.000 χ^2/NDF : 13022513513.5/37

- sign 0.000+/-0.000 χ^2/NDF : 3116401943.8/37

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1919127.9/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 464616.9/20

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

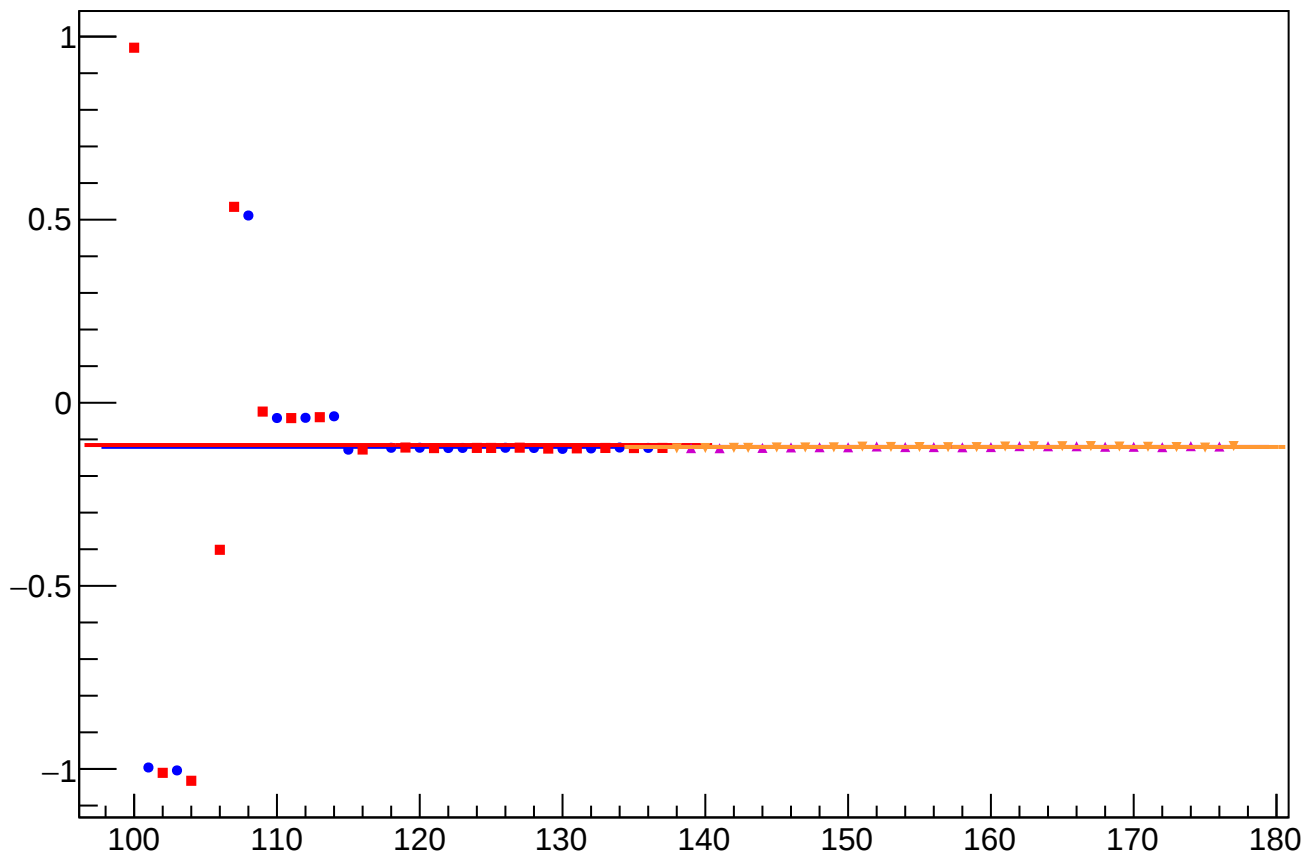
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 594962.3/18

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2436911.9/37

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6144104.5/75

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3699561.9/37

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 : 41836721.3/20

+ sign -0.121 ± 0.000 χ^2/NDF : 3974363940.1/37

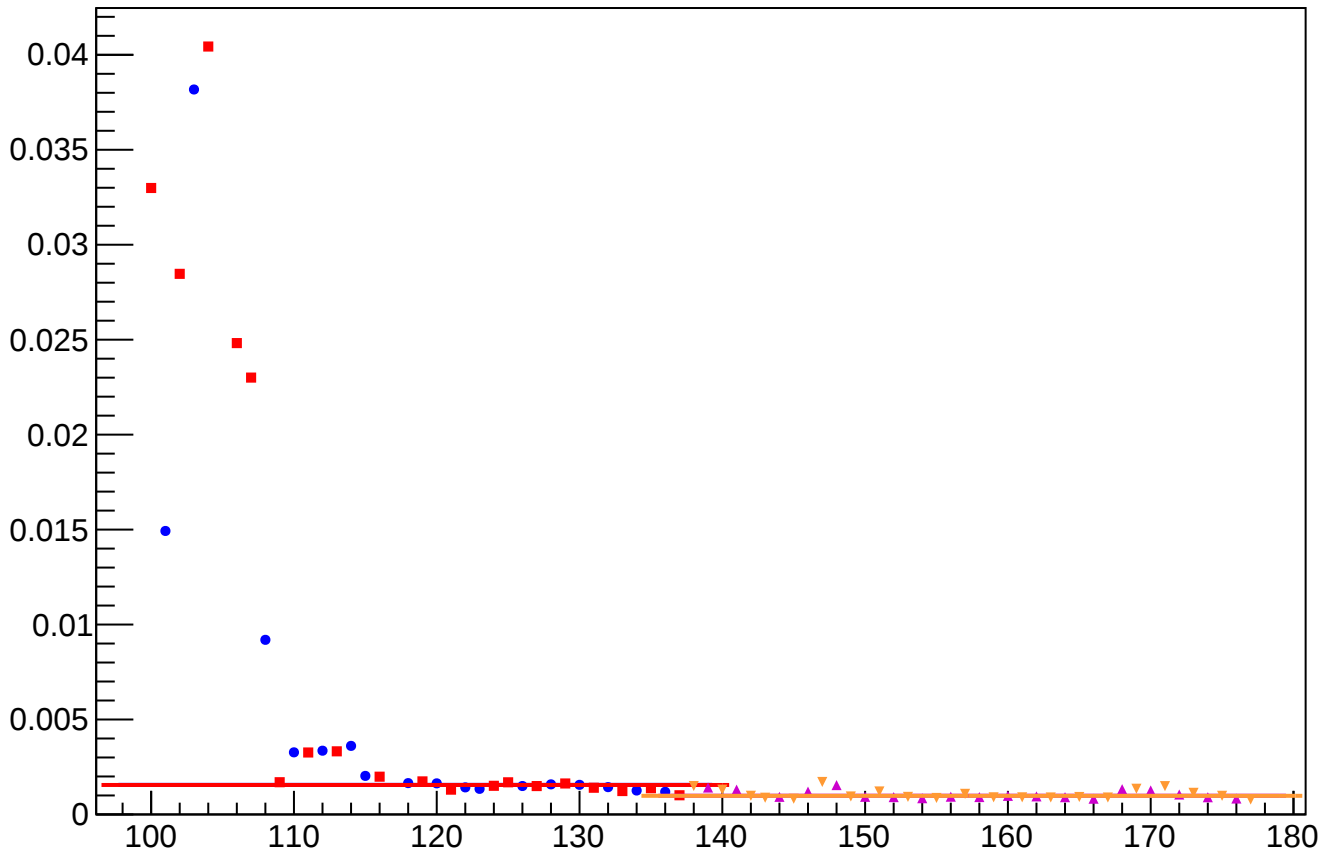
Right Out: -0.115 ± 0.000 χ^2/NDF : 2457092455.9/18

All: -0.120 ± 0.000 χ^2/NDF : 6513824754.2/7

- sign -0.120 ± 0.000 χ^2/NDF : 2535551120.2/37

Left In: -0.121 ± 0.000 χ^2/NDF : 33887871.6/18

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2903607.4/16

Left Out: 0.001+/-0.000 χ^2/NDF :1138033.4/20

Right Out: 0.002+/-0.000 χ^2/NDF : 3538622.3/18

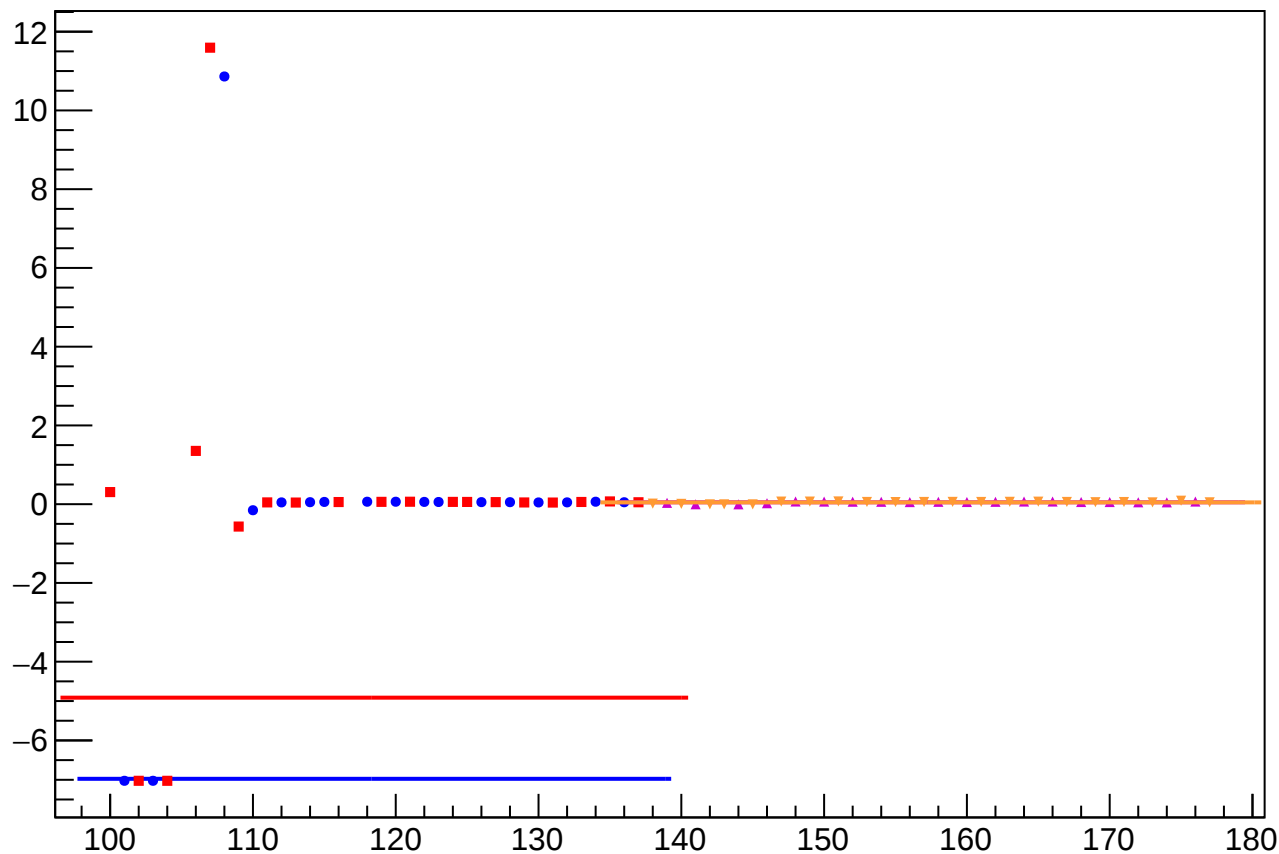
Left In: 0.001+/-0.000 χ^2/NDF :798361.8/18

+ sign 0.001+/-0.000 χ^2/NDF : 5163093.1/37

All: 0.001+/-0.000 χ^2/NDF : 10567735.0/75

- sign 0.001+/-0.000 χ^2/NDF : 5403405.3/37

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.046+/-0.000 χ^2/NDF : 112454524.2/20

Right Out: -4.914+/-0.000 χ^2/NDF : 365362215369689.4/18

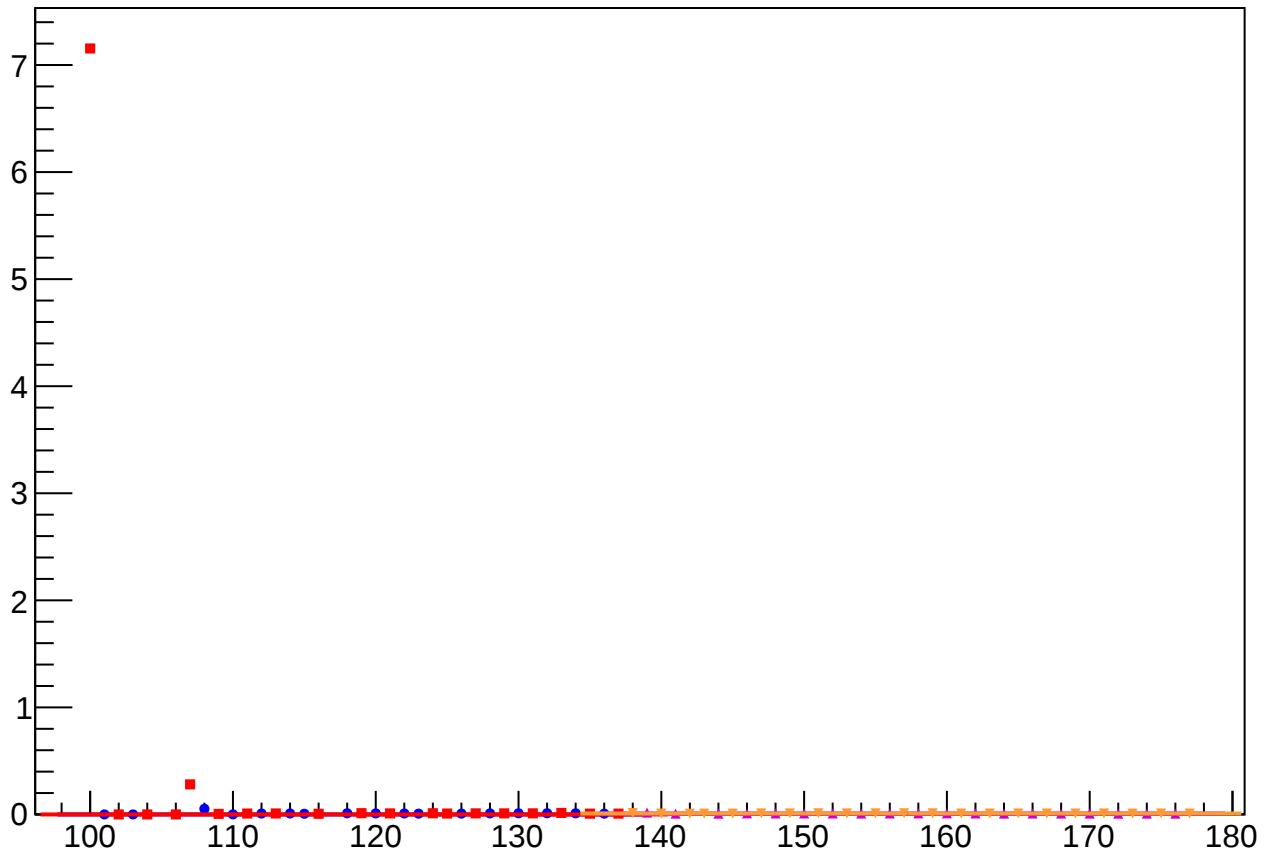
Left In: 0.048+/-0.000 χ^2/NDF : 78143090.8/18

+ sign -6.930+/-0.000 χ^2/NDF : 16780018126114.8/16

All: -5.865+/-0.000 χ^2/NDF : 4412409700059.4/16

- sign -4.888+/-0.000 χ^2/NDF : 368959339381709.4/16

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 : 462220.1/20

Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

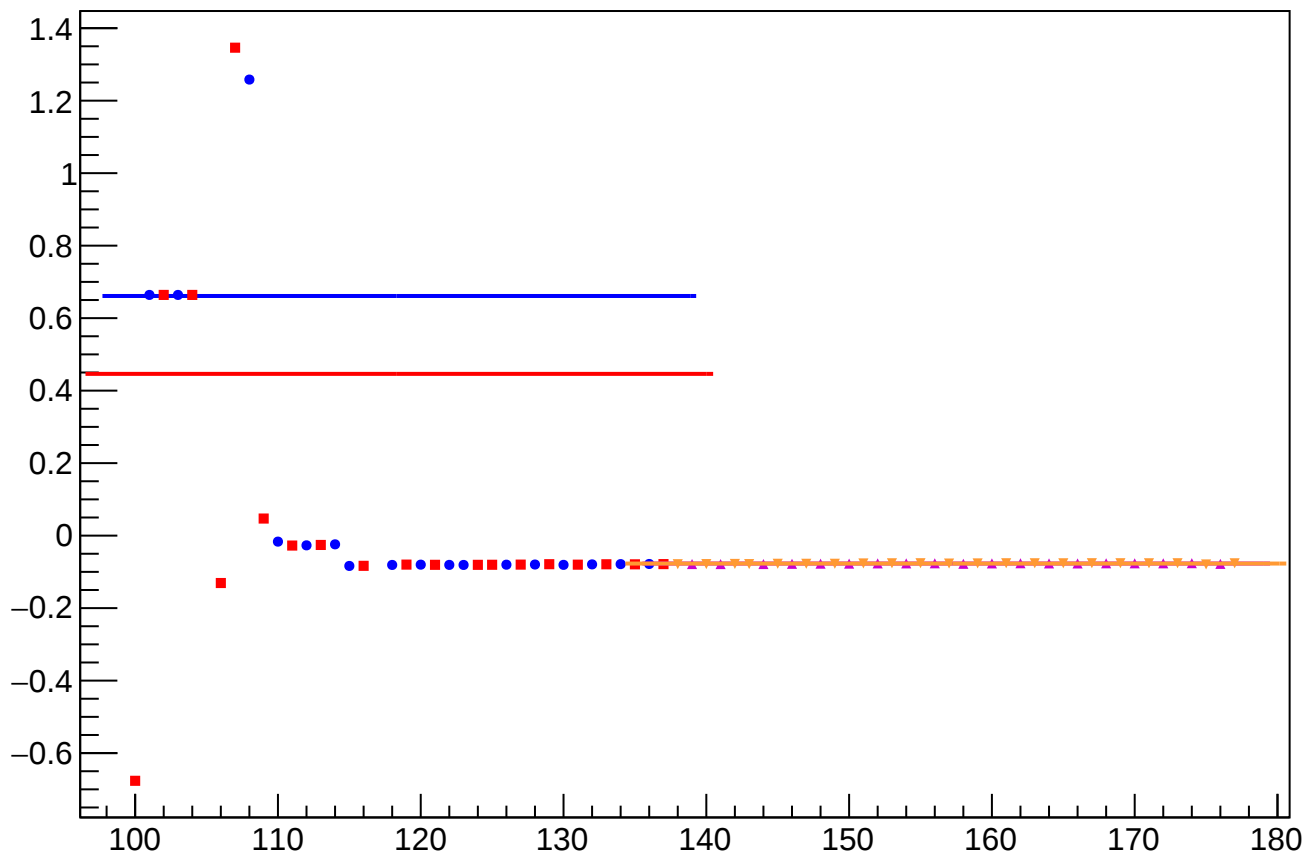
Left In: 0.009+/-0.000 χ^2/NDF : 590297.7/18

+ sign 0.000+/-0.000 χ^2/NDF : 33027862.4/37

All: 0.000+/-0.000 χ^2/NDF : 64940194.6/75

- sign 0.000+/-0.000 χ^2/NDF : 31908239.9/37

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: 52409007.1/20

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405428604683882.5/18

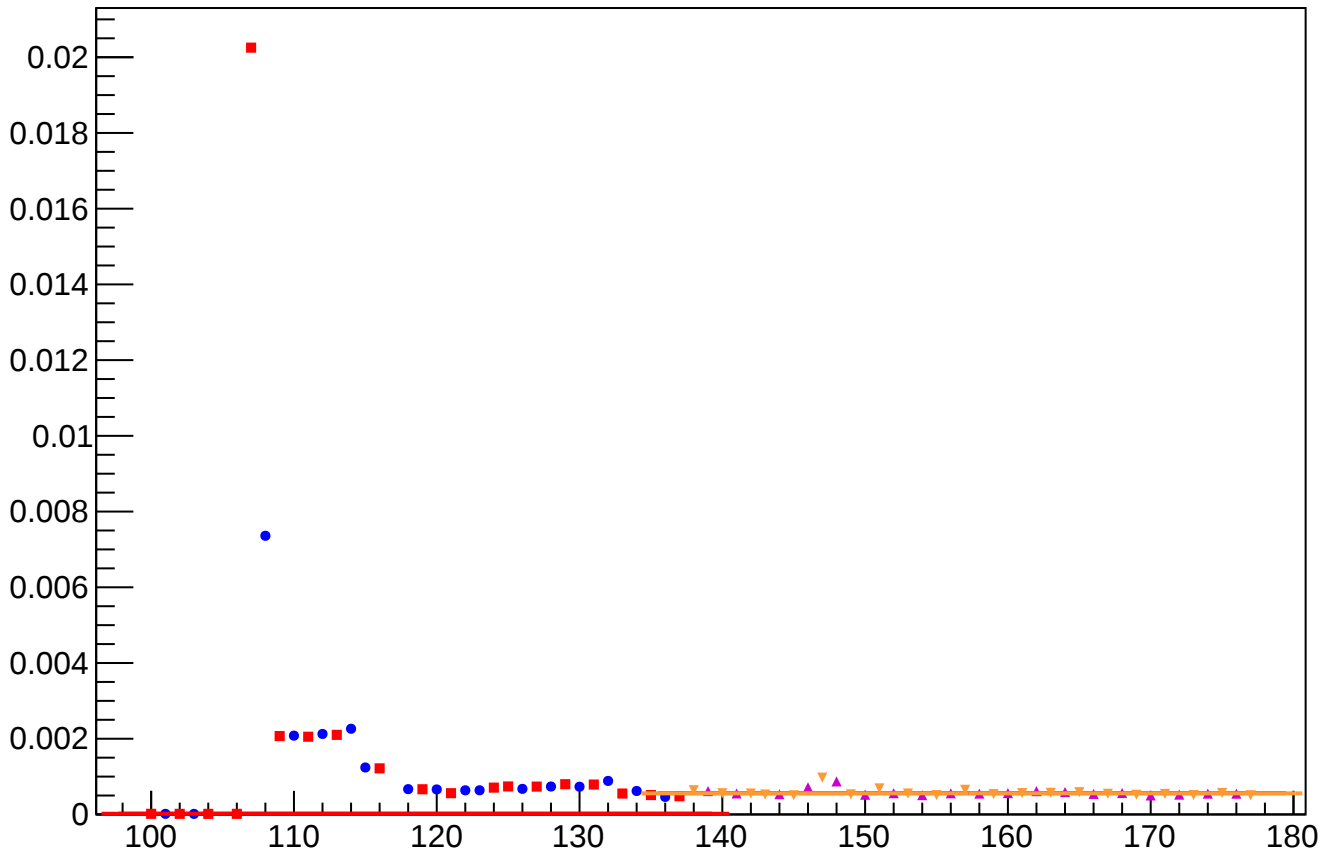
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 28513153.0/18

+ sign 0.648 $\pm$ 0.000 χ^2 /NDF: 31440507832385.1/3

All: 0.538 $\pm$ 0.000 χ^2 /NDF: 50958311274052

- sign 0.438 $\pm$ 0.000 χ^2 /NDF: 417342469074470.7/3

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9997012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 455210.9/20

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

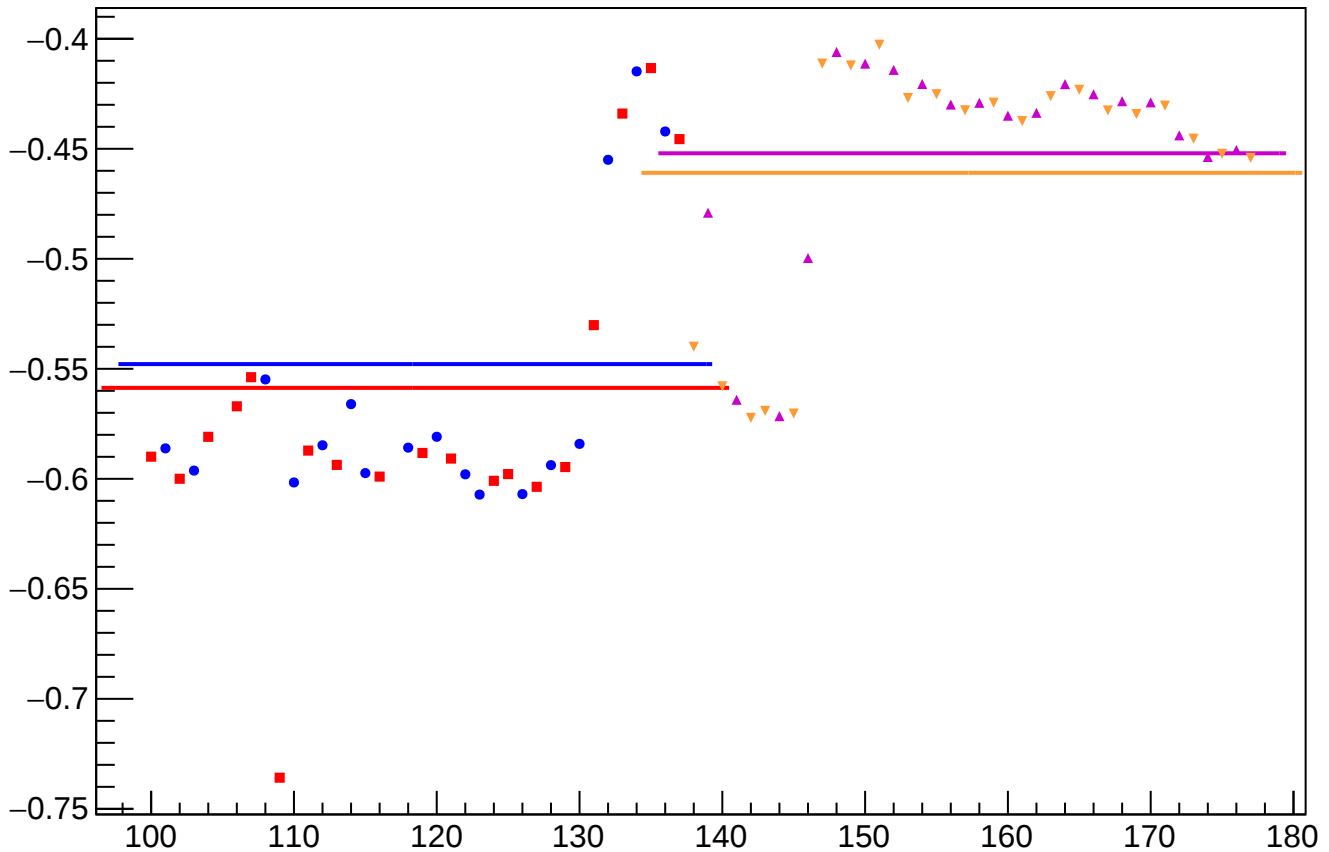
Left In: 0.001+/-0.000 χ^2/NDF : 353109.1/18

+ sign 0.000+/-0.000 χ^2/NDF : 38012459.0/37

All: 0.000+/-0.000 χ^2/NDF : 73617154.3/75

- sign 0.000+/-0.000 χ^2/NDF : 35597799.8/37

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2 /NDF: 48579920.8/16

Left Out: -0.461+/-0.000 χ^2 /NDF: 106563727.2/20

Right Out: -0.559+/-0.000 χ^2 /NDF: 65682293.5/18

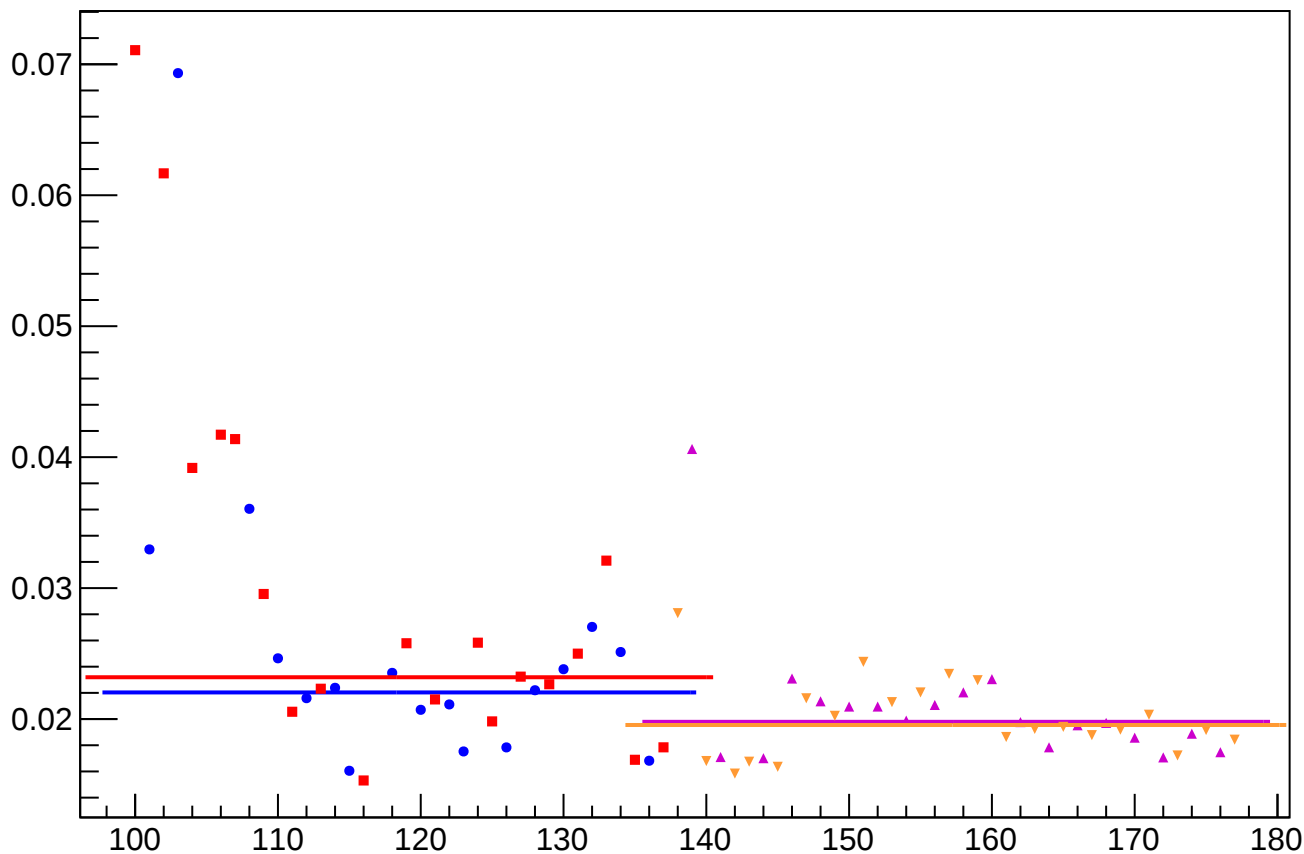
Left In: -0.452+/-0.000 χ^2 /NDF: 75228540.1/18

+ sign -0.482+/-0.000 χ^2 /NDF: 215455979.3/37

All: -0.480+/-0.000 χ^2 /NDF: 441281649.6/75

- sign -0.479+/-0.000 χ^2 /NDF: 225593119.5/37

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 : 430816.9/20

Right Out: 0.023 ± 0.000 χ^2/NDF : 1156989.7/18

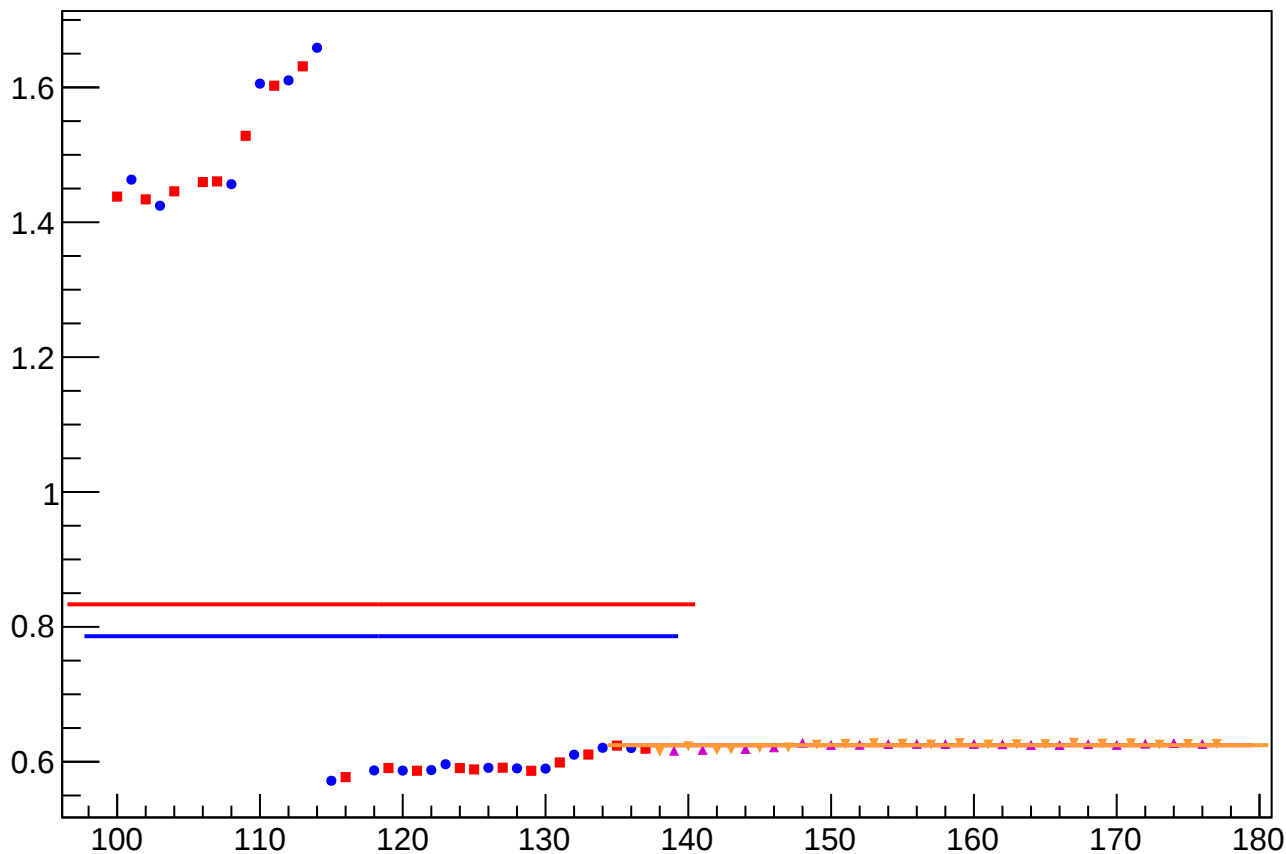
Left In: 0.020 ± 0.000 χ^2/NDF : 574212.9/18

+ sign 0.020 ± 0.000 χ^2/NDF : 1488416.8/37

All: 0.020 ± 0.000 χ^2/NDF : 3402293.6/75

- sign 0.021 ± 0.000 χ^2/NDF : 1903969.3/37

yield_bpm4aY_mean vs Slug



Right In: 0.786 $\pm$ 0.000 χ^2 /NDF: 3590113316.1/16

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1285030.2/20

Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4156812252.4/18

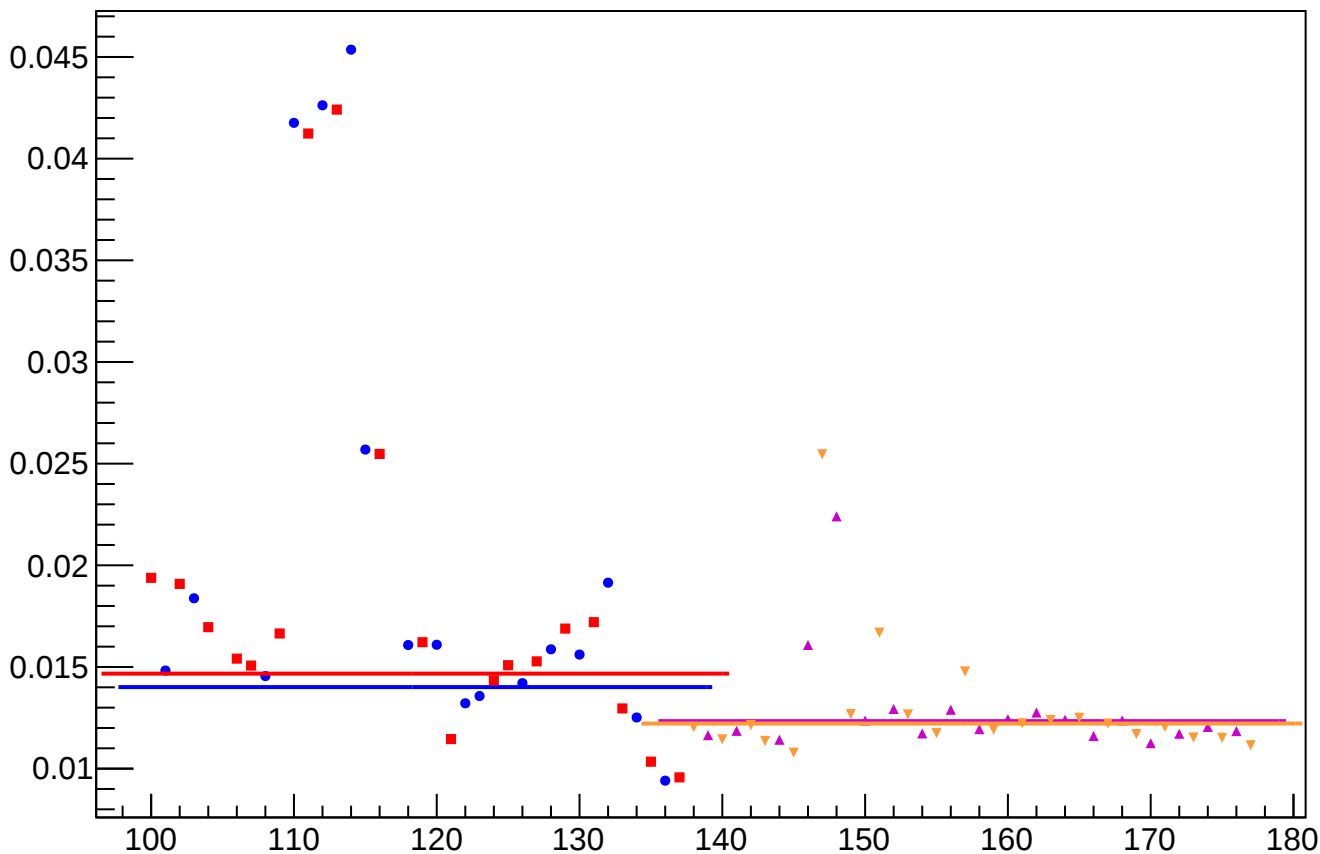
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:1058287.8/18

+ sign 0.661 $\pm$ 0.000 χ^2 /NDF: 4178313225.6/37

All: 0.667 $\pm$ 0.000 χ^2 /NDF: 9281804160.1/75

- sign 0.673 $\pm$ 0.000 χ^2 /NDF: 5093886932.8/37

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:627588.7/20

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1263462.0/18

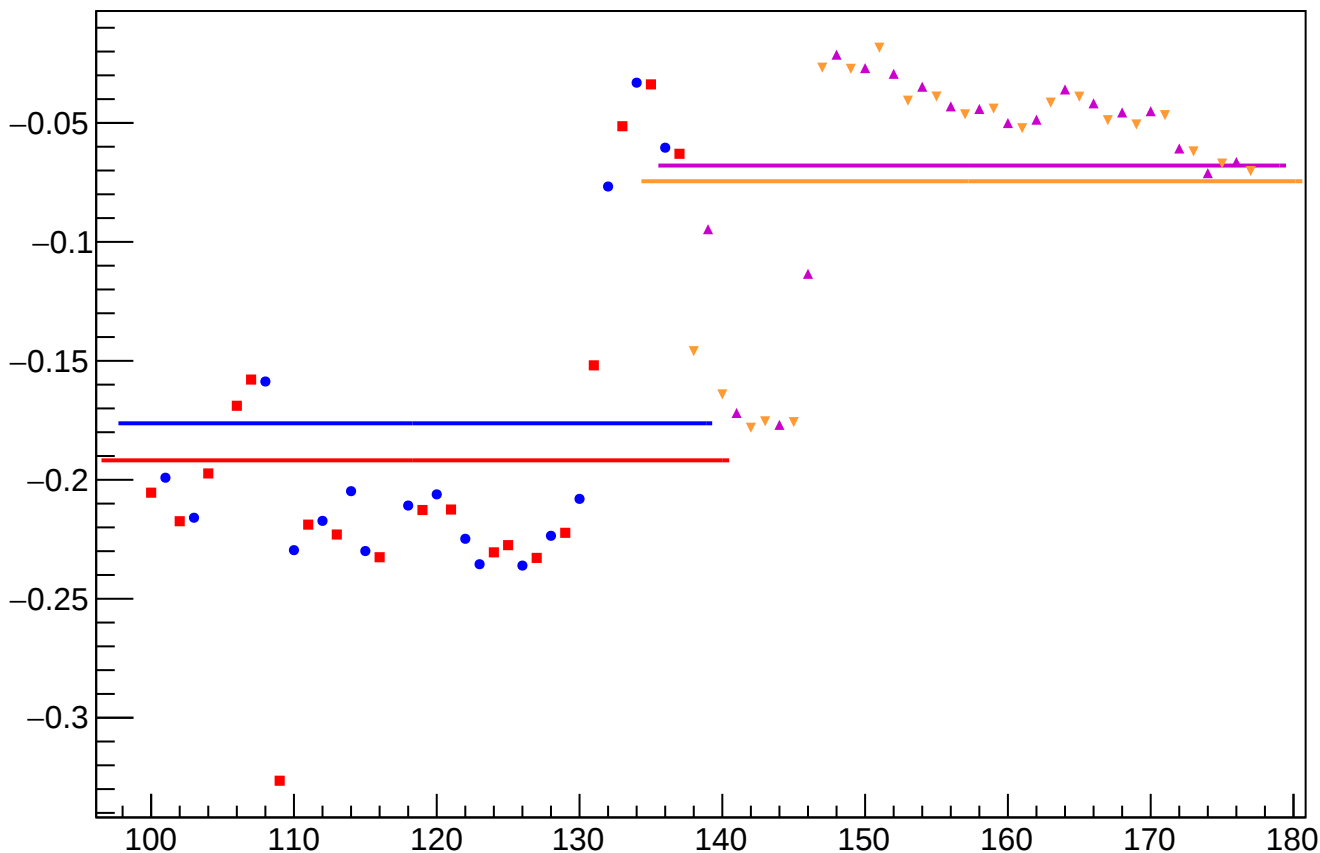
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:444059.8/18

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2176940.7/37

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4127068.9/75

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1941606.8/37

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 : 101348701.5/20

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

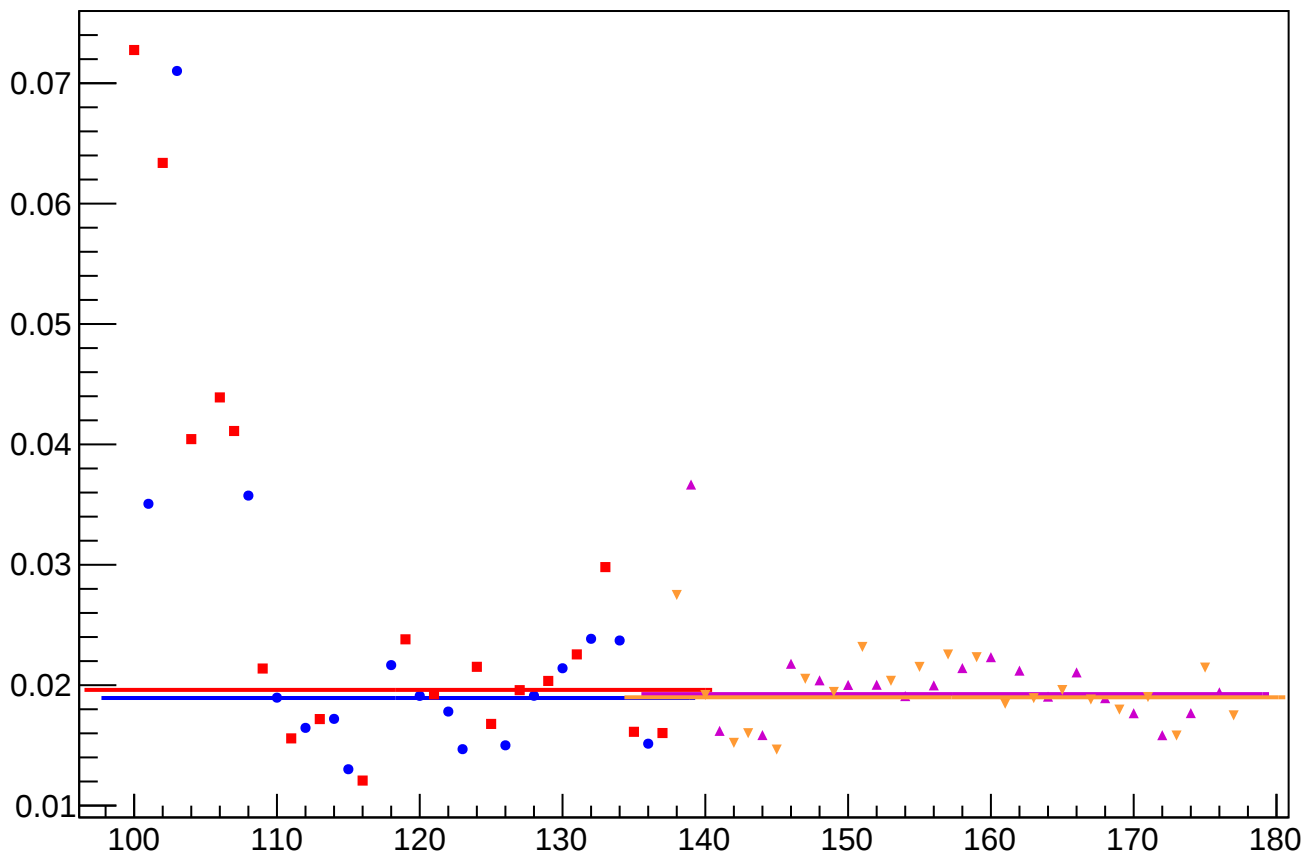
Left In: -0.068+/-0.000 χ^2/NDF : 75605032.8/18

+ sign -0.103+/-0.000 χ^2/NDF : 275232161.4/37

All: -0.104+/-0.000 χ^2/NDF : 580579025.5/75

- sign -0.105+/-0.000 χ^2/NDF : 305299635.8/37

yield_bpm4eX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1205858.0/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:505507.4/20

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1457660.9/18

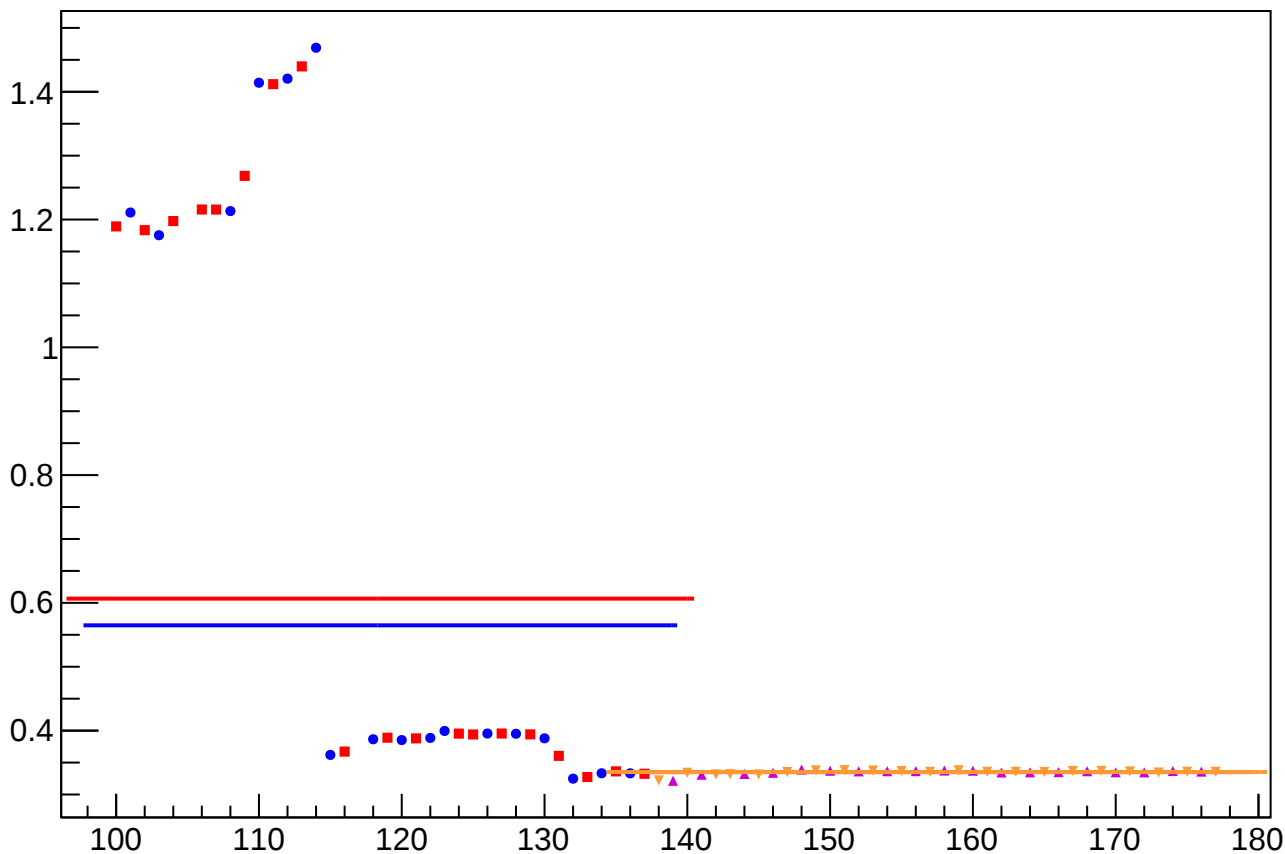
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:560991.3/18

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1711434.4/37

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3739469.6/75

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2020979.5/37

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 : 1137145.0/20

Right Out: 0.607+/-0.000 χ^2/NDF : 5513752213.8/18

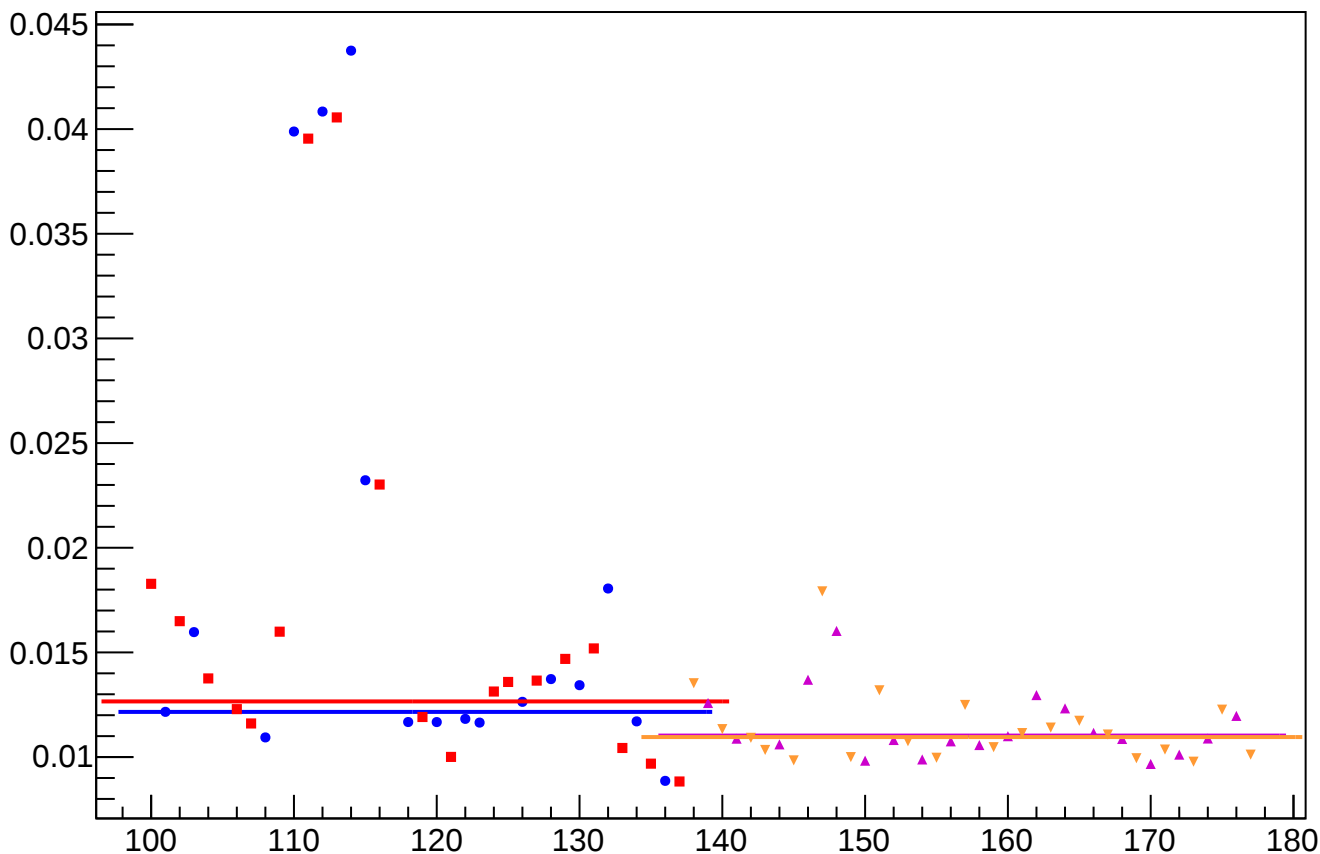
Left In: 0.335+/-0.000 χ^2/NDF : 1194898.8/18

+ sign 0.389+/-0.000 χ^2/NDF : 6579518246.5/37

All: 0.395+/-0.000 χ^2/NDF : 14159009369.0/7

- sign 0.401+/-0.000 χ^2/NDF : 7568262848.6/37

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: 478691.4/20

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

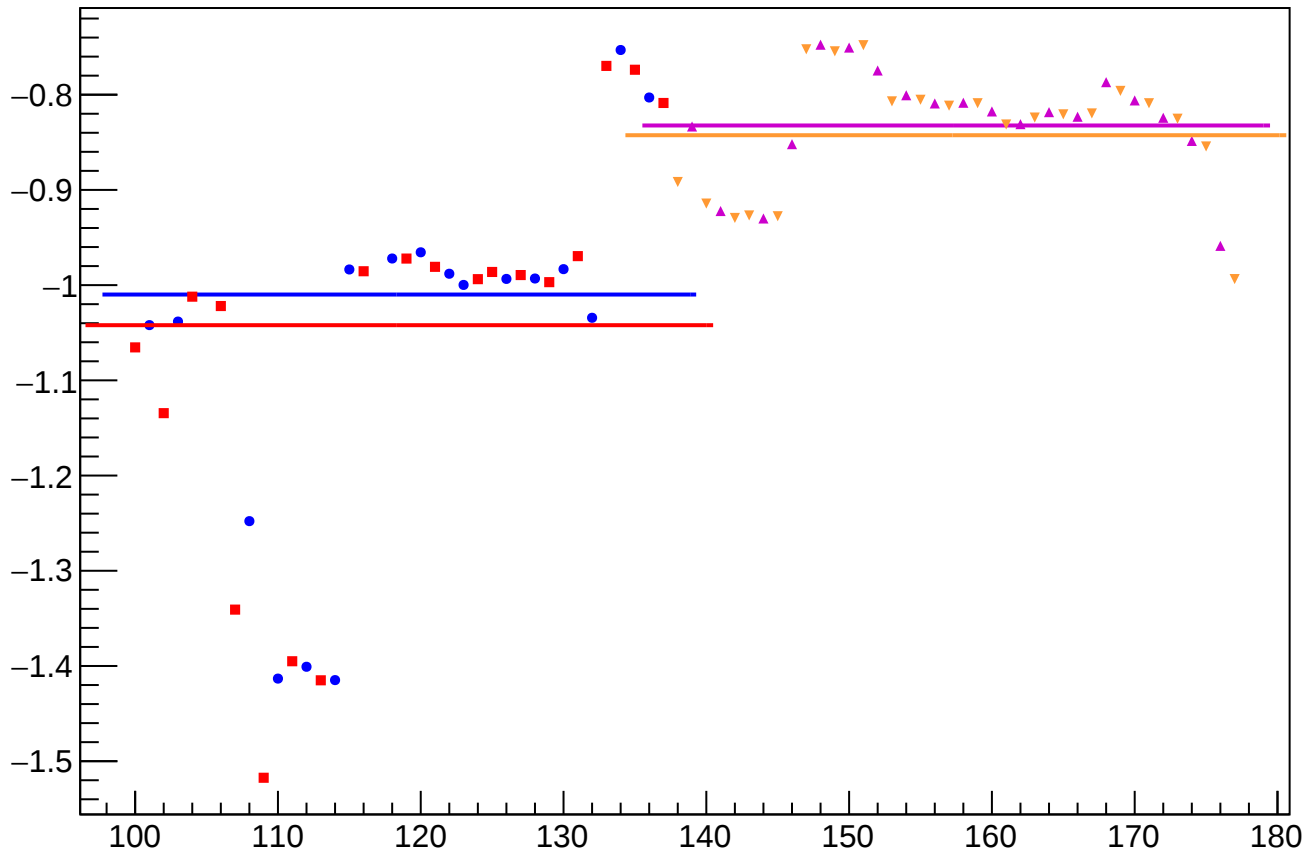
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 377169.1/18

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1873349.2/37

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3674842.4/75

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1796100.8/37

yield_bpm4acX_mean vs Slug



Right In: -1.010 $\pm$ 0.000 χ^2 /NDF: 387650332.0/16

Left Out: -0.843 $\pm$ 0.000 χ^2 /NDF: 143921308.0/20

Right Out: -1.042 $\pm$ 0.000 χ^2 /NDF: 530106141.8/18

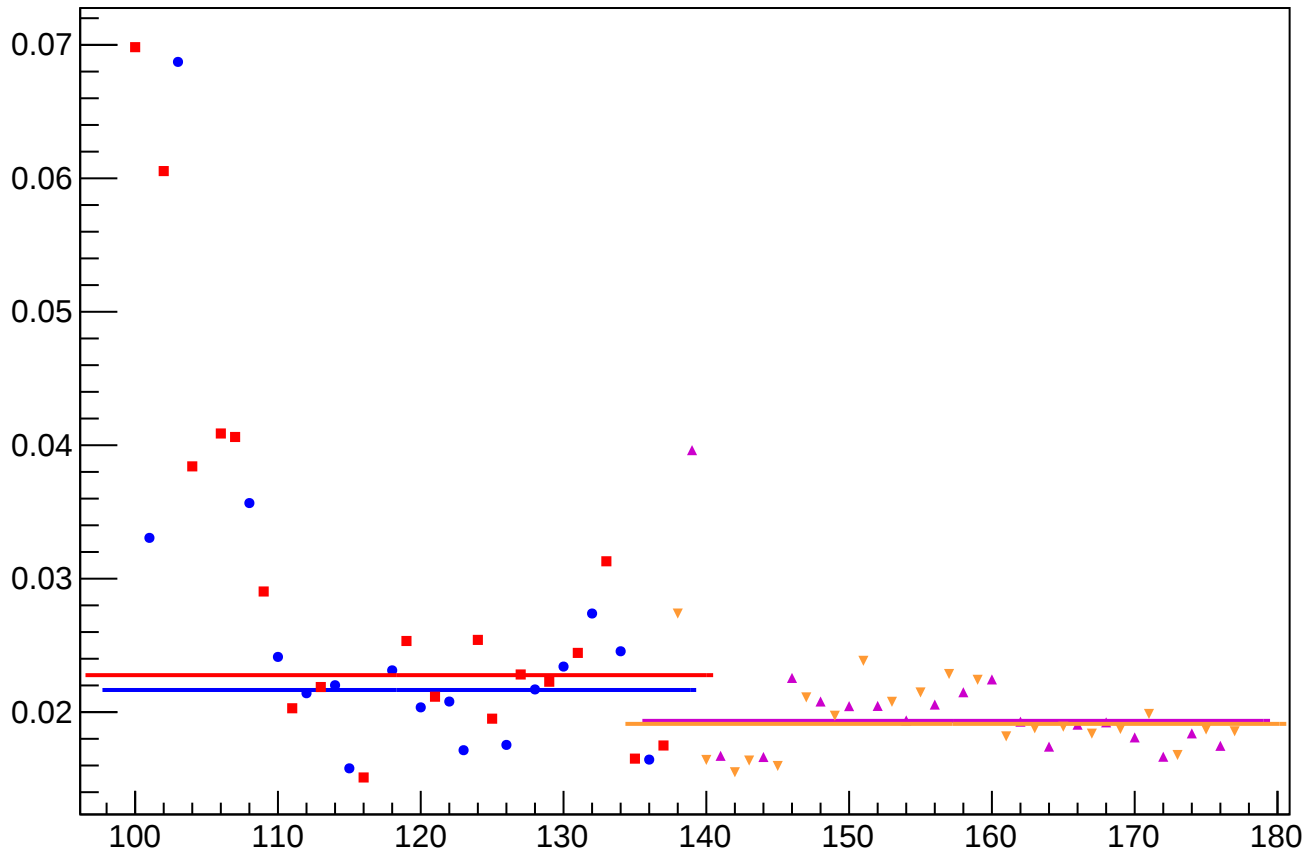
Left In: -0.832 $\pm$ 0.000 χ^2 /NDF: 107713338.9/18

+ sign -0.883 $\pm$ 0.000 χ^2 /NDF: 763051485.6/37

All: -0.883 $\pm$ 0.000 χ^2 /NDF: 1741153111.5/7

- sign -0.884 $\pm$ 0.000 χ^2 /NDF: 978053633.9/37

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: 425391.8/20

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152617.8/18

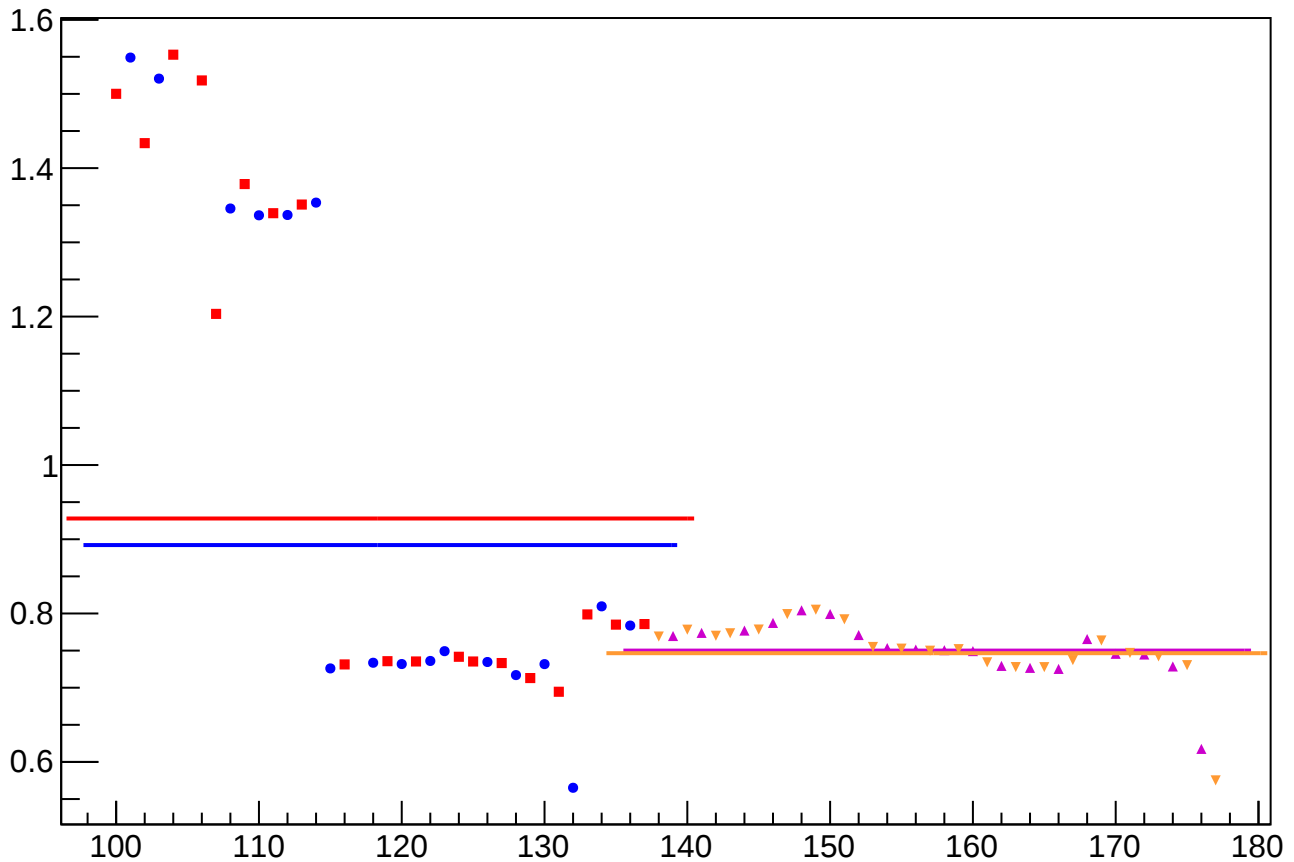
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 563869.4/18

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1515476.0/37

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3422844.1/75

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1898065.5/37

yield_bpm4acY_mean vs Slug



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.746+/-0.000 χ^2/NDF : 220783973.2/20

Right Out: 0.928+/-0.000 χ^2/NDF : 2437542089.2/18

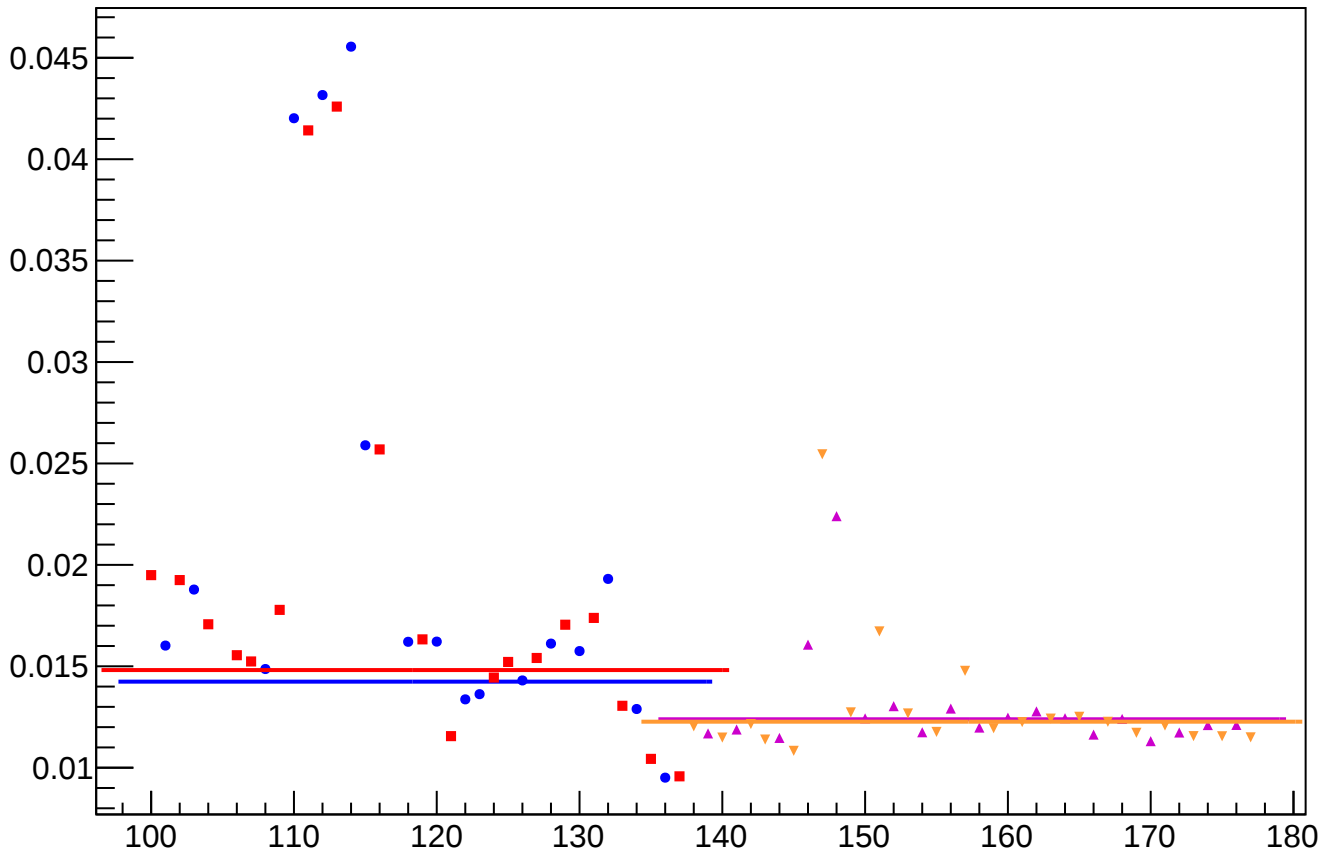
Left In: 0.750+/-0.000 χ^2/NDF : 127938342.5/18

+ sign 0.778+/-0.000 χ^2/NDF : 3096626356.6/37

All: 0.784+/-0.000 χ^2/NDF : 6337796942.1/75

- sign 0.791+/-0.000 χ^2/NDF : 3231307344.2/37

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:614913.4/20

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1274172.7/18

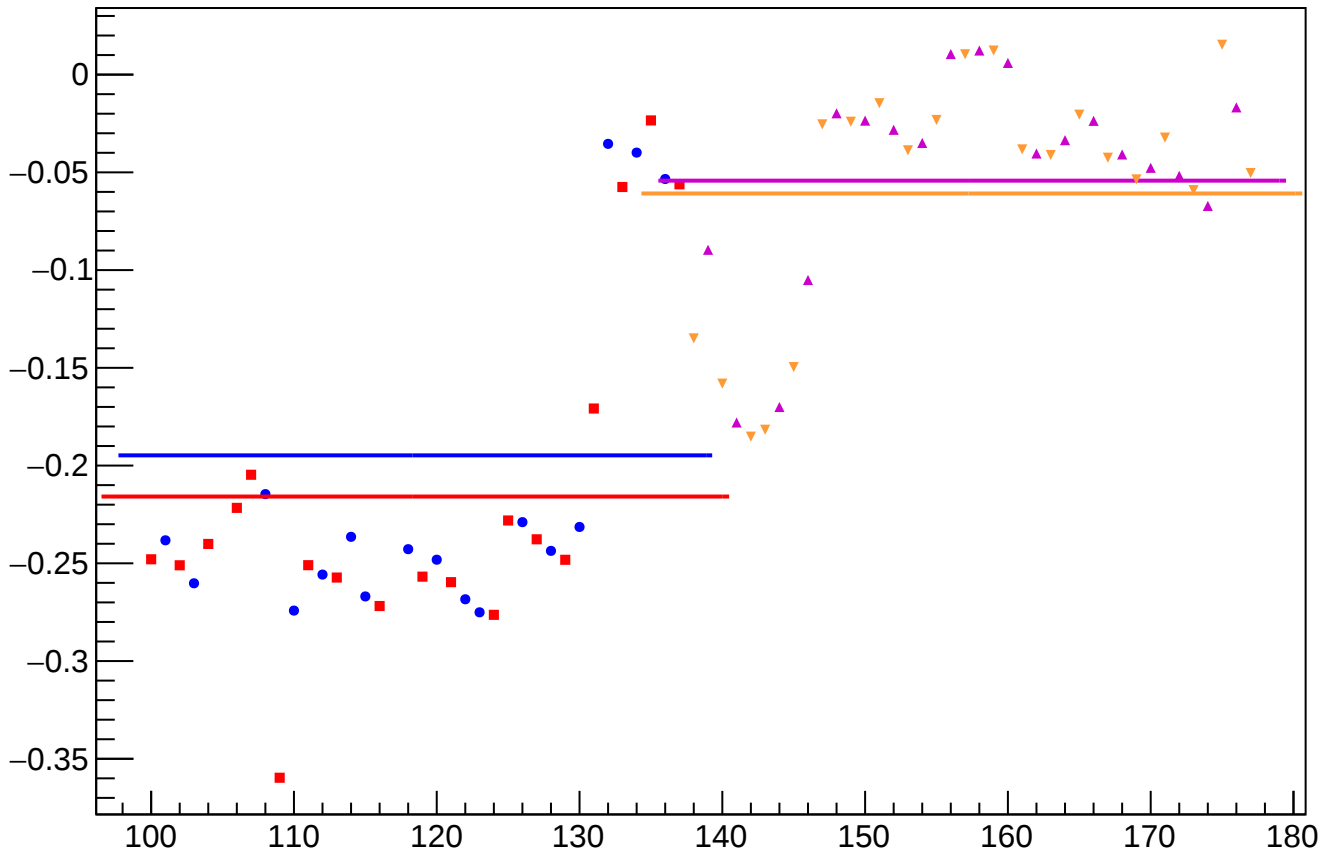
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:437725.8/18

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2200335.6/37

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4167229.8/75

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1959416.3/37

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.061+/-0.000 χ^2/NDF : 126585895.6/20

Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

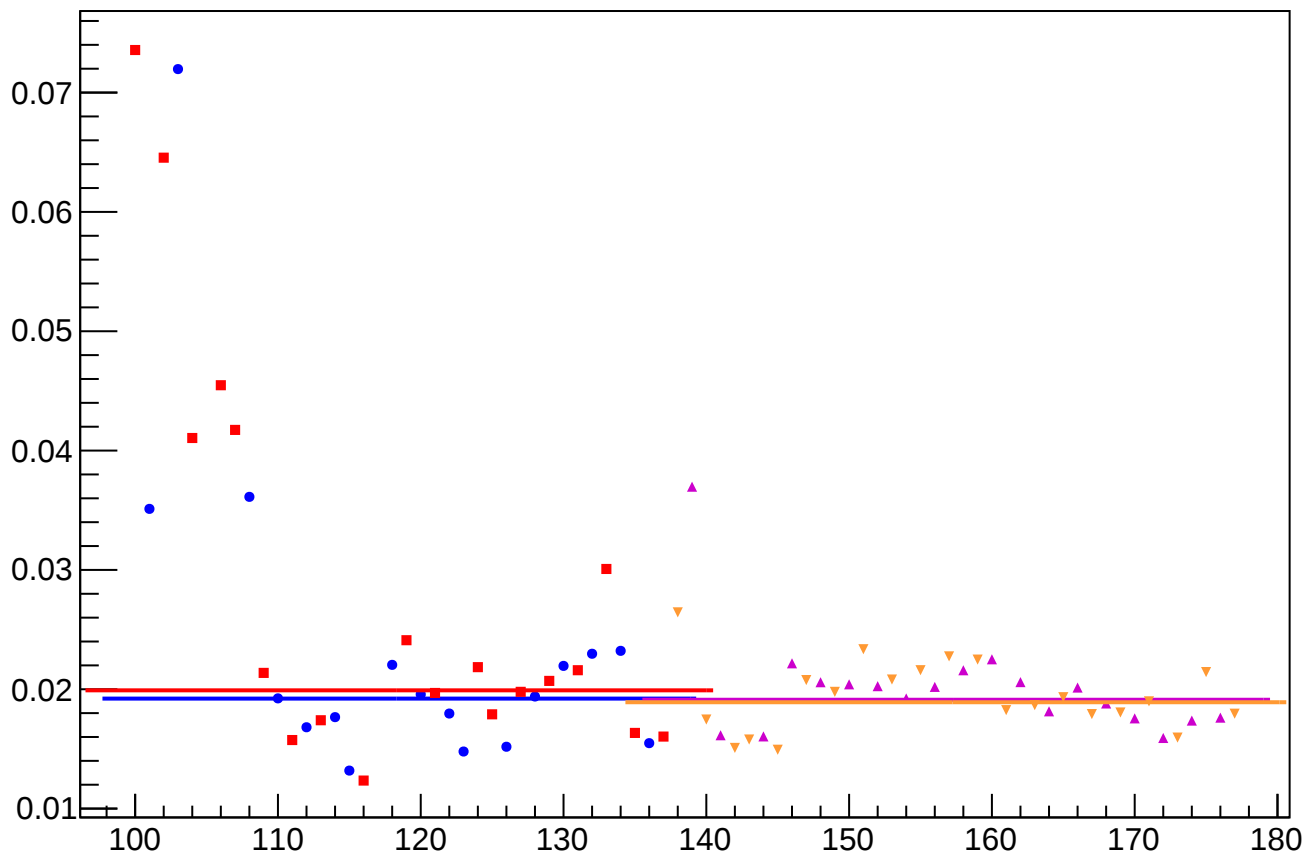
Left In: -0.054+/-0.000 χ^2/NDF : 100583846.7/18

+ sign -0.098+/-0.000 χ^2/NDF : 411568089.4/37

All: -0.099+/-0.000 χ^2/NDF : 867382004.8/75

- sign -0.101+/-0.000 χ^2/NDF : 455600422.4/37

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: 497268.7/20

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1446950.0/18

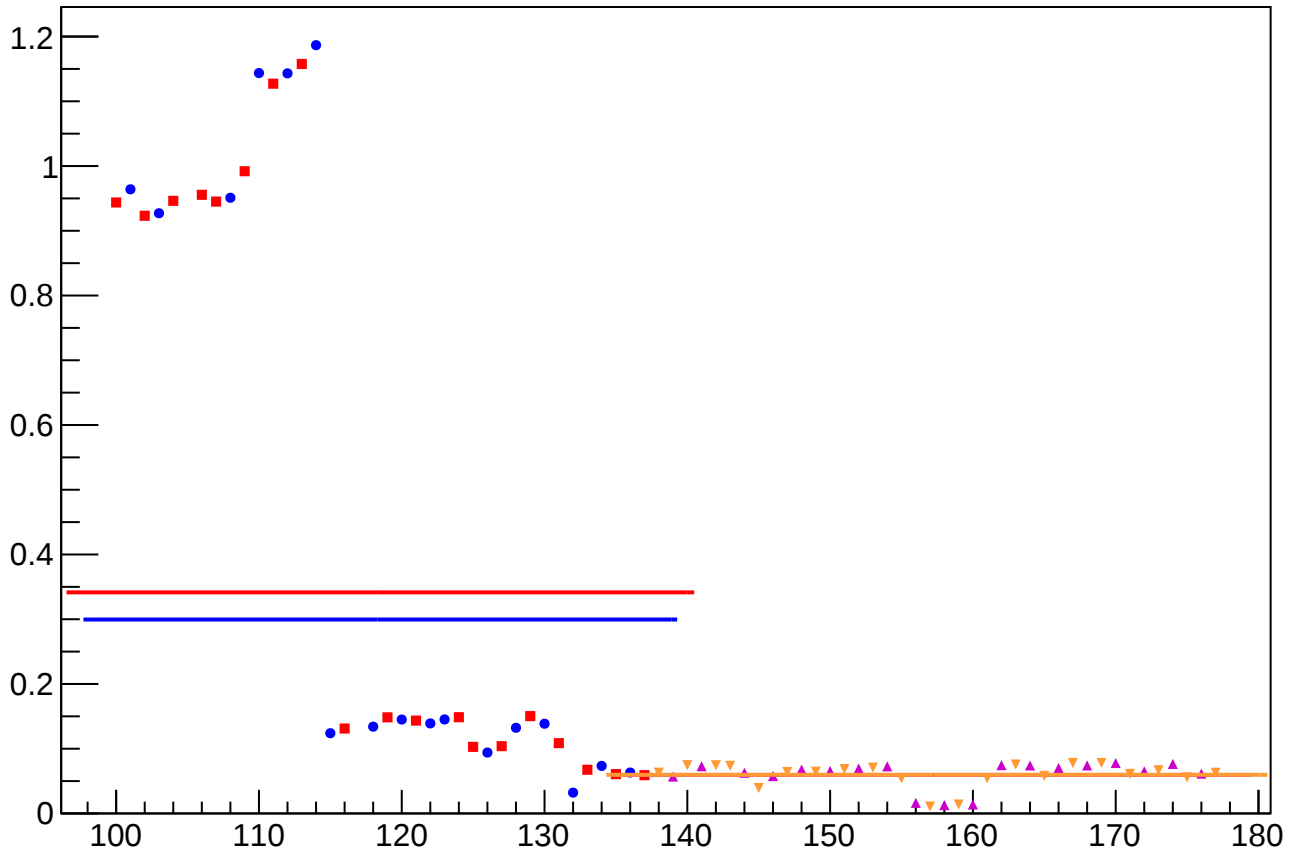
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 582725.0/18

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1676178.8/37

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3723288.5/75

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2041282.5/37

yield_bpm4ecY_mean vs Slug



Right In: 0.300+/-0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.060+/-0.000 χ^2/NDF : 44010642.6/20

Right Out: 0.341+/-0.000 χ^2/NDF : 5450600455.1/18

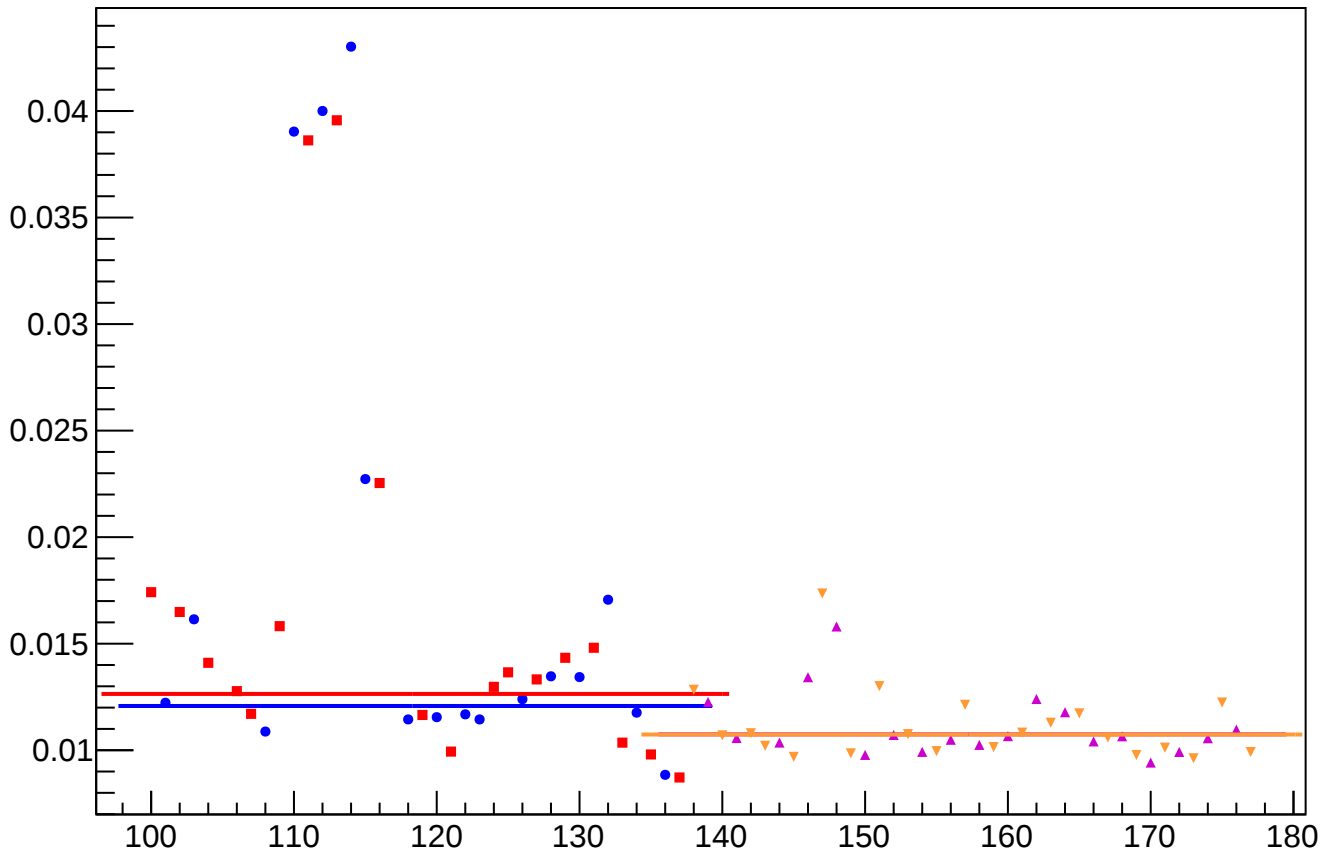
Left In: 0.059+/-0.000 χ^2/NDF : 57214938.0/18

+ sign 0.115+/-0.000 χ^2/NDF : 6930894282.8/37

All: 0.120+/-0.000 χ^2/NDF : 14694201991.6/7

- sign 0.125+/-0.000 χ^2/NDF : 7754361303.6/37

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: 453127.5/20

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1237706.0/18

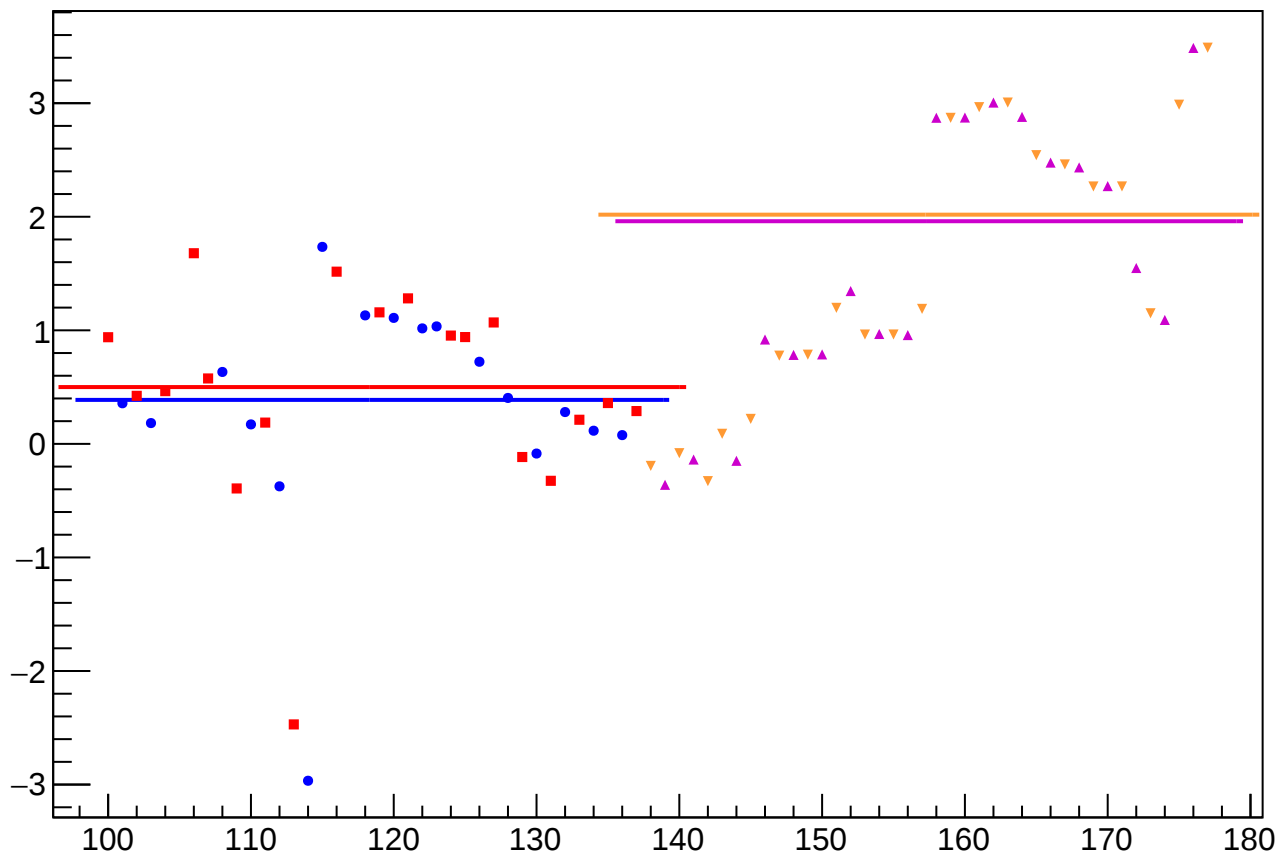
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 350164.6/18

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1842576.3/37

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3637163.8/75

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1791245.1/37

yield_bpm1X_mean vs Slug



Right In: 0.387+/-0.000 χ^2/NDF : 247912593.5/16

Left Out: 2.018+/-0.000 χ^2/NDF : 37085749494.4/20

+ sign 1.952+/-0.000 χ^2/NDF : 41798425078.8/37

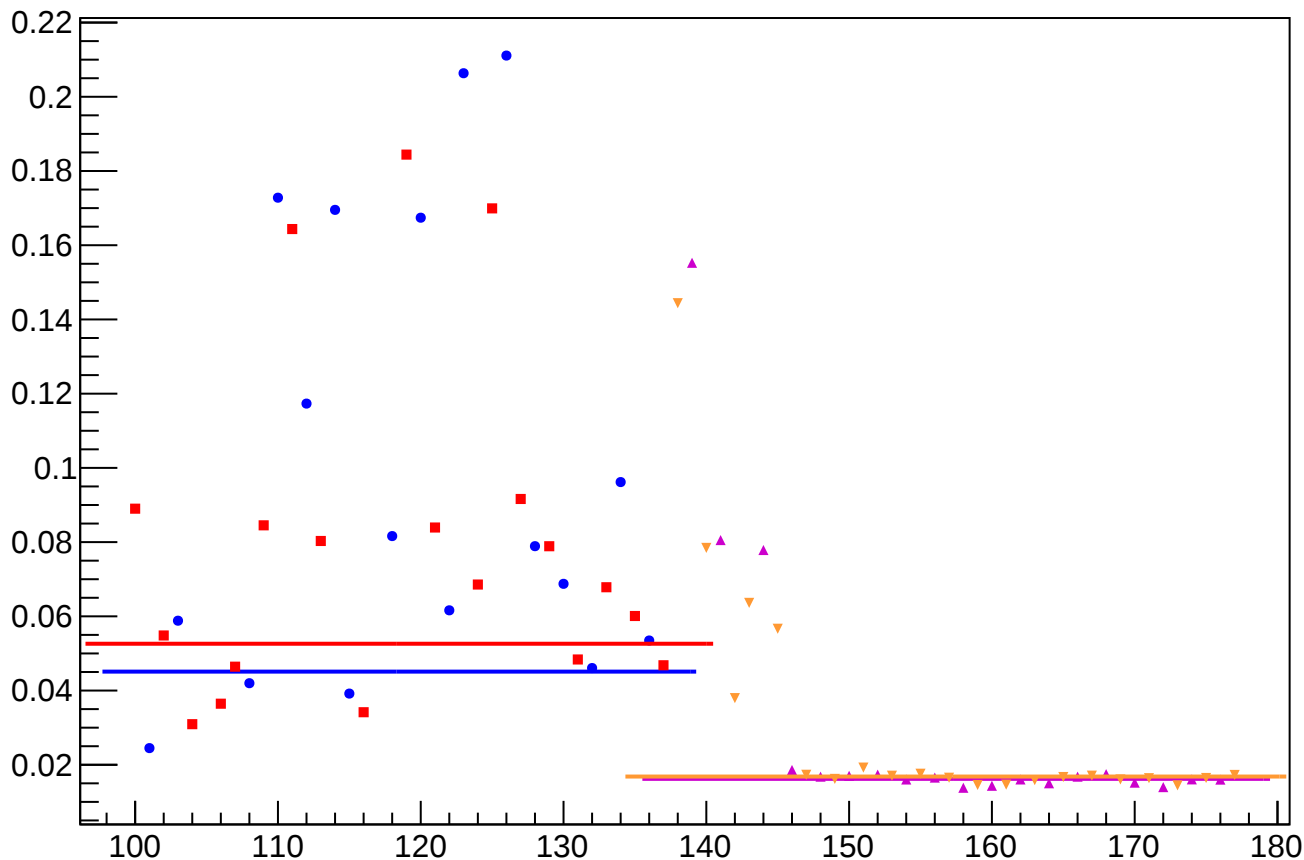
Right Out: 0.500+/-0.000 χ^2/NDF : 983360928.1/18

All: 1.931+/-0.000 χ^2/NDF : 82329663284.9/7

- sign 1.910+/-0.000 χ^2/NDF : 40492947616.1/37

Left In: 1.961+/-0.000 χ^2/NDF : 36435346735.2/18

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.017+/-0.000 χ^2/NDF :2776795.9/20

Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

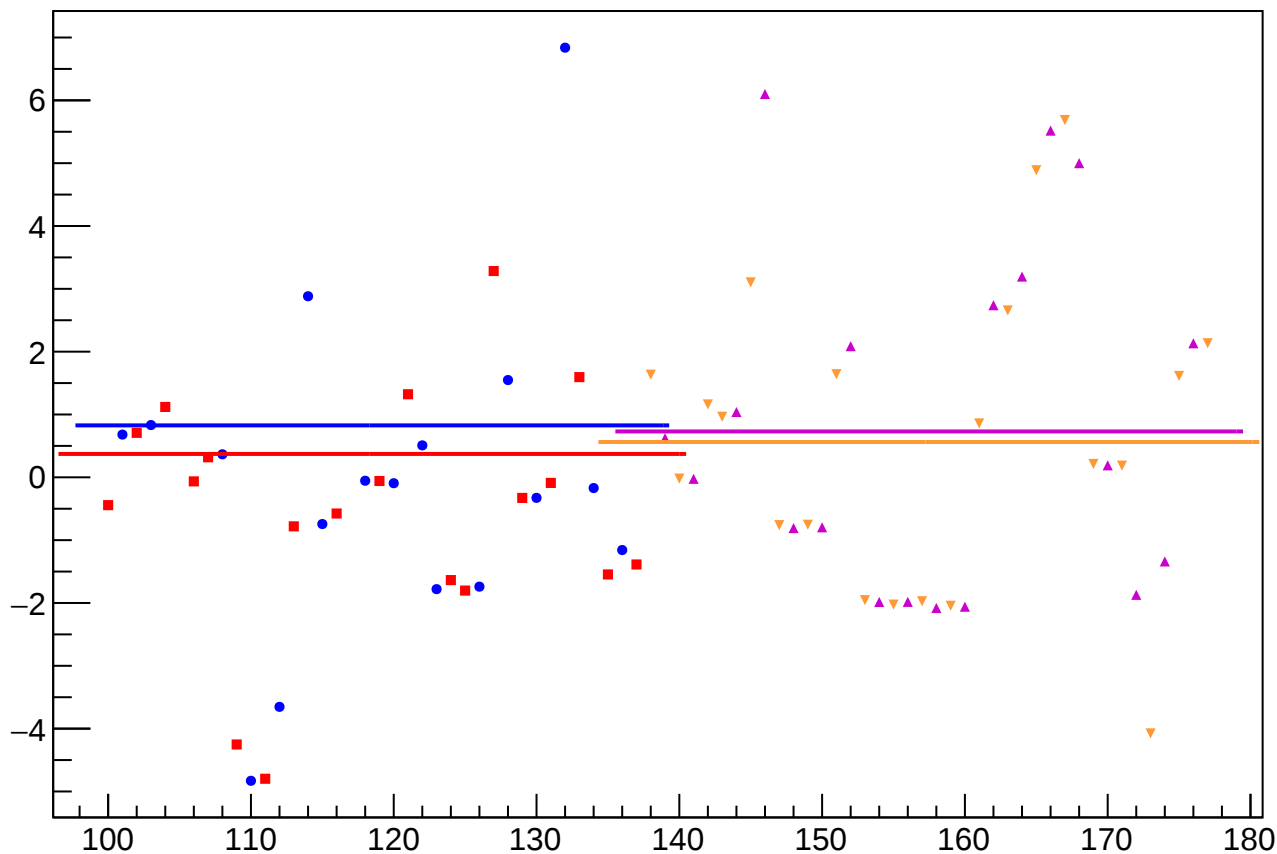
Left In: 0.016+/-0.000 χ^2/NDF :2380880.6/18

+ sign 0.018+/-0.000 χ^2/NDF : 8306323.3/37

All: 0.018+/-0.000 χ^2/NDF : 16711191.4/75

- sign 0.017+/-0.000 χ^2/NDF : 8393292.2/37

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 χ^2/NDF : 10936458870.4/16

Left Out: 0.562 ± 0.000 χ^2/NDF : 484981645732.1/20

Right Out: 0.372 ± 0.000 χ^2/NDF : 4972900338.2/18

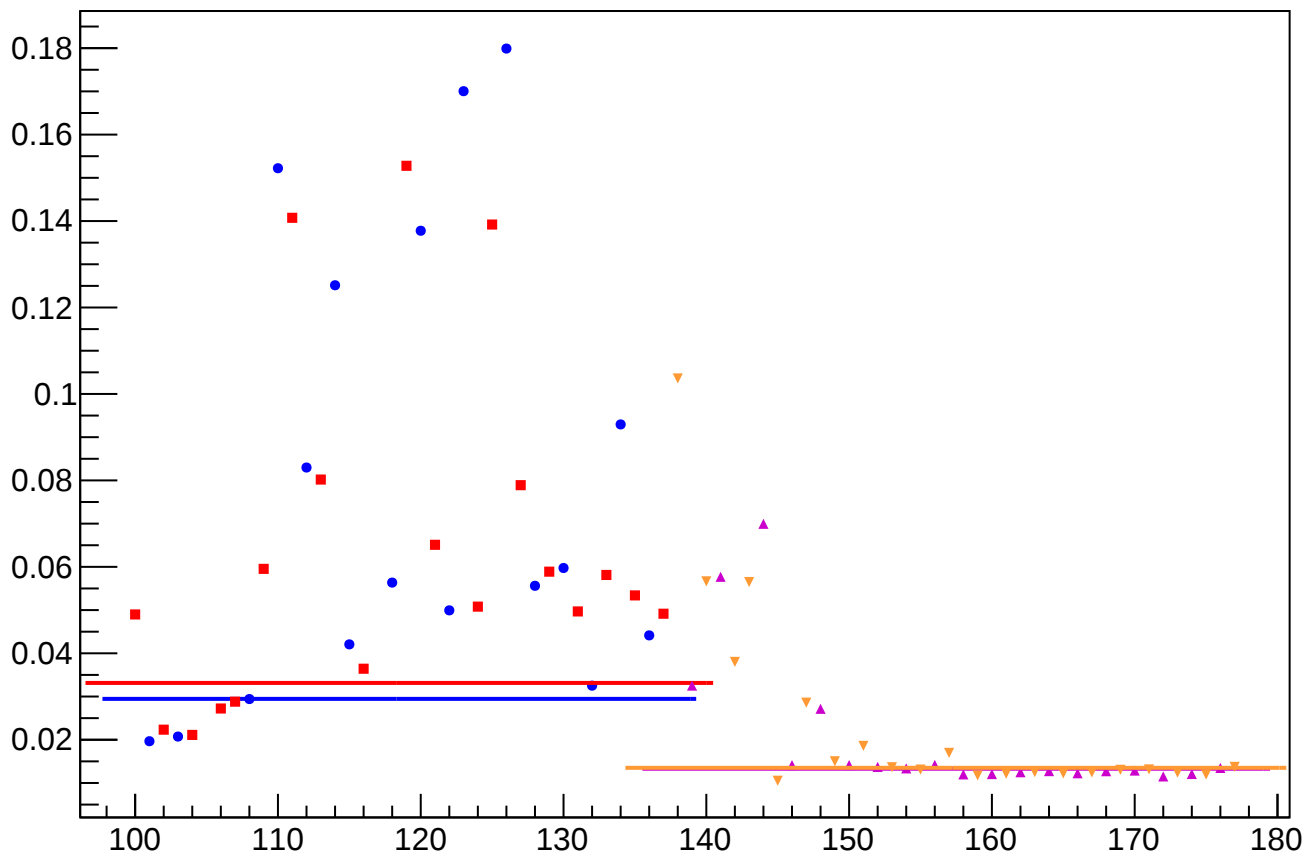
Left In: 0.730 ± 0.000 χ^2/NDF : 546616782064.8/18

+ sign 0.576 ± 0.000 χ^2/NDF : 496178321877.2/37

All: 0.644 ± 0.000 χ^2/NDF : 1048864970173.

- sign 0.713 ± 0.000 χ^2/NDF : 552015479236.1/37

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 : 2891407.0/20

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

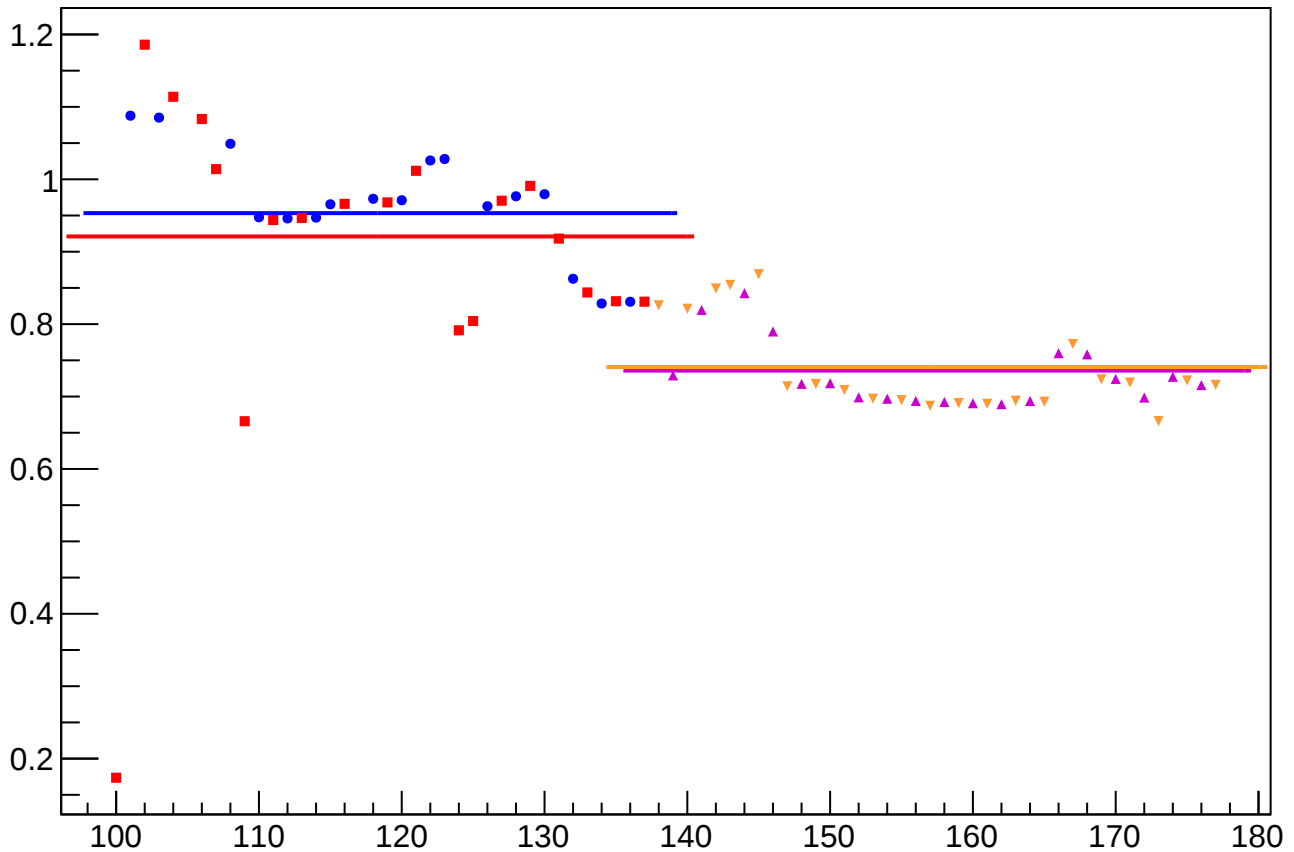
Left In: 0.013+/-0.000 χ^2/NDF : 1927640.5/18

+ sign 0.014+/-0.000 χ^2/NDF : 7839372.6/37

All: 0.014+/-0.000 χ^2/NDF : 15487878.0/75

- sign 0.014+/-0.000 χ^2/NDF : 7647669.6/37

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.741 $\pm$ 0.000 χ^2 /NDF: 292003980.7/20

+ sign 0.803 $\pm$ 0.000 χ^2 /NDF: 1454637301.1/37

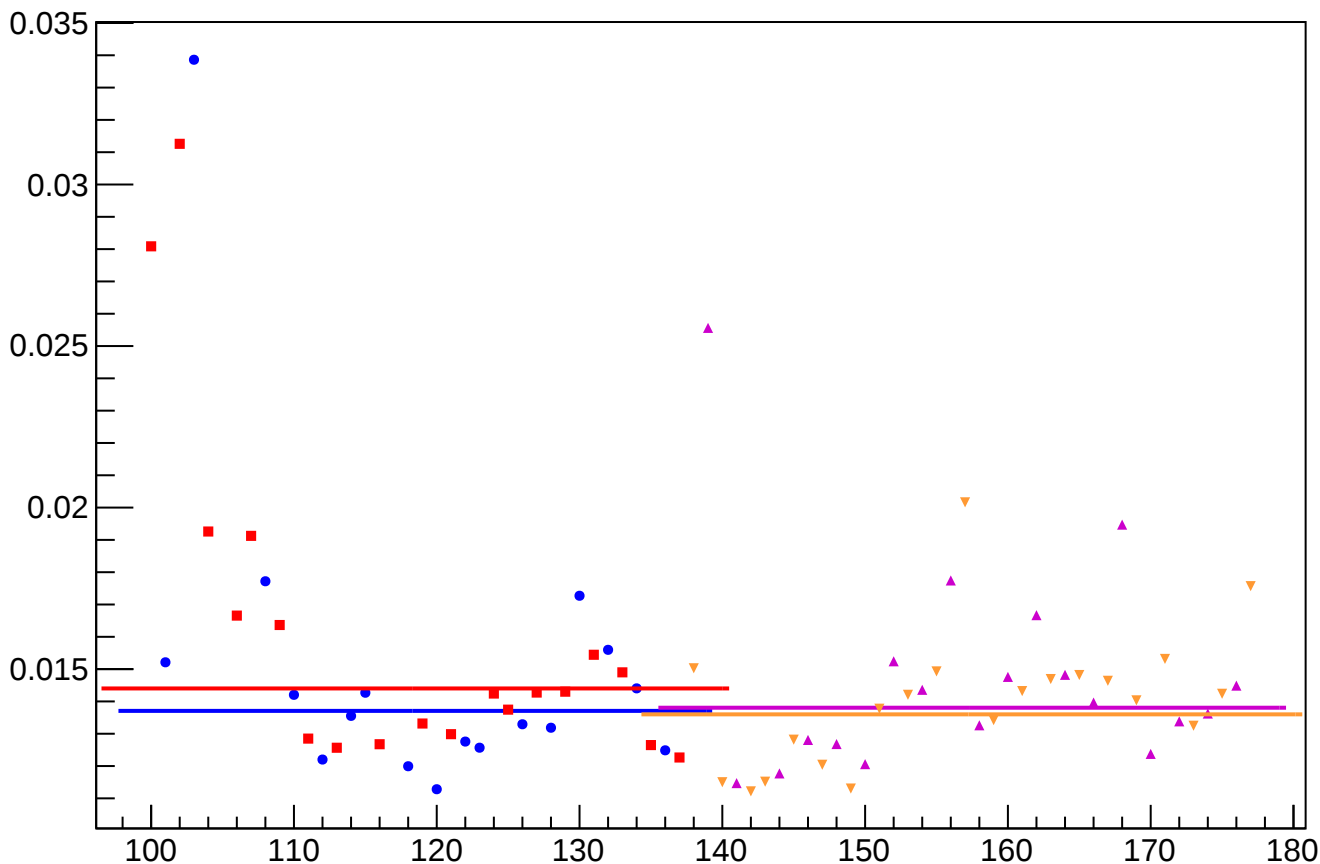
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374221279.1/18

All: 0.798 $\pm$ 0.000 χ^2 /NDF: 2704570739.6/75

- sign 0.792 $\pm$ 0.000 χ^2 /NDF: 1243245695.0/37

Left In: 0.736 $\pm$ 0.000 χ^2 /NDF: 165204634.1/18

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 546317.6/16

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 471026.5/20

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

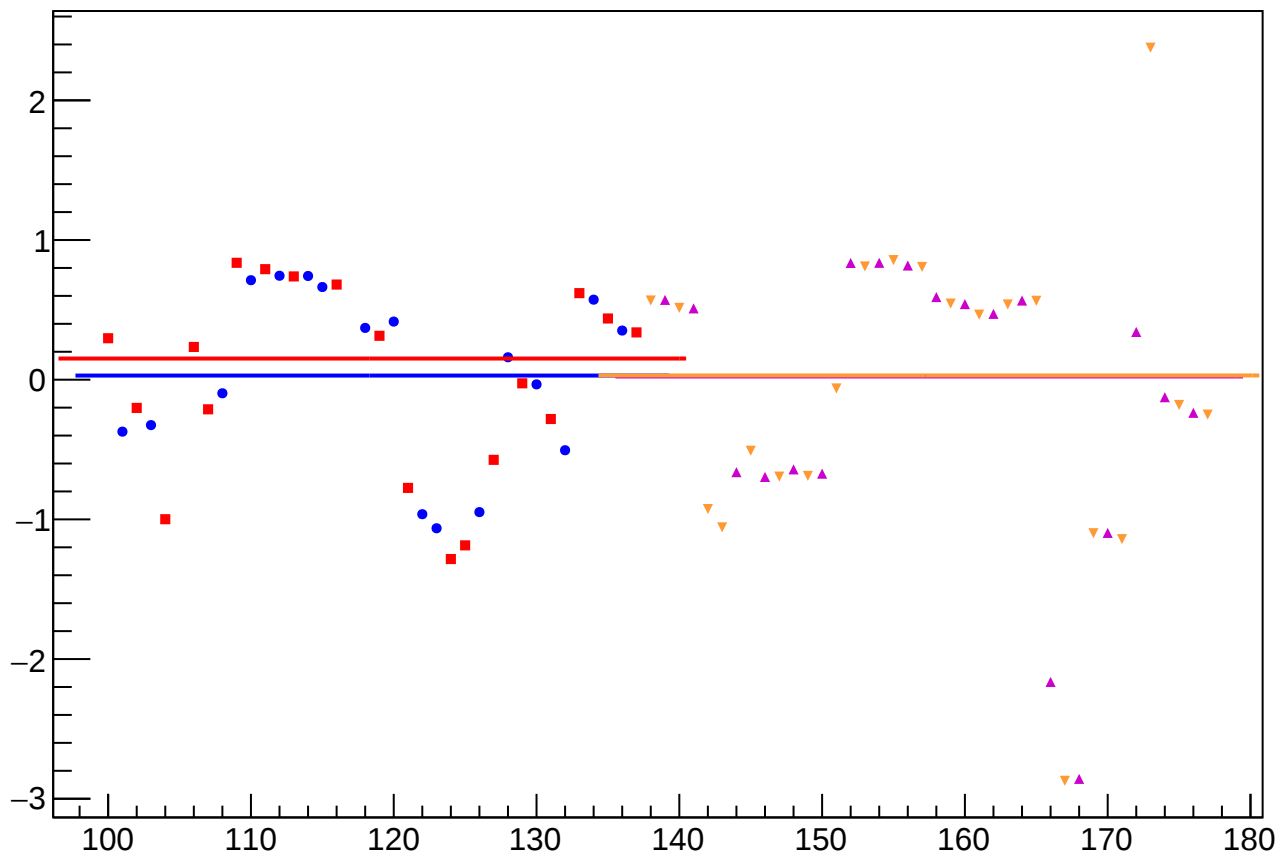
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 728802.3/18

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1017849.3/37

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2275661.5/75

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1245153.2/37

yield_bpm11Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 6294824795.0/16

Left Out: 0.031+/-0.000 χ^2/NDF : 95482825883.5/20

Right Out: 0.152+/-0.000 χ^2/NDF : 12661812059.7/18

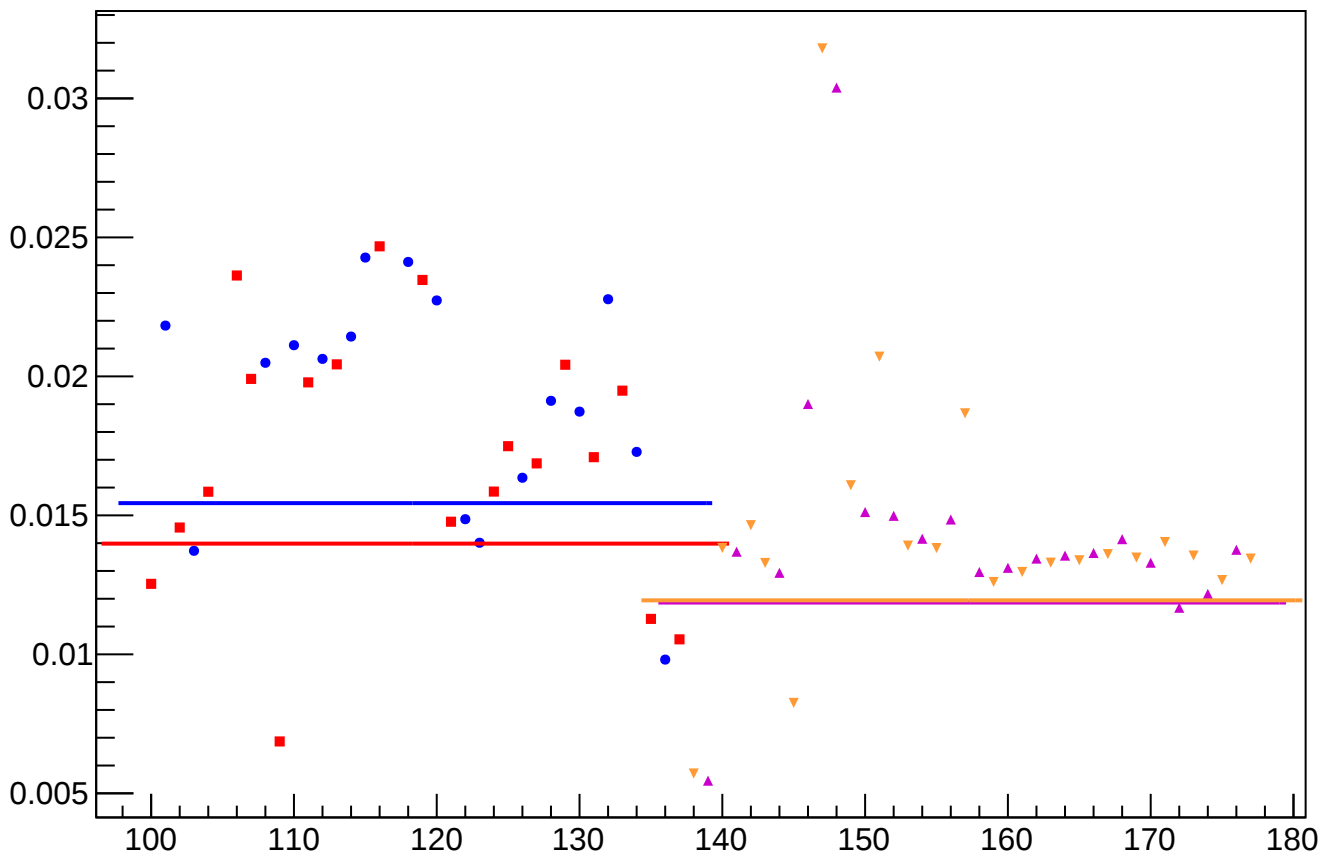
Left In: 0.023+/-0.000 χ^2/NDF : 78535607895.4/18

+ sign 0.030+/-0.000 χ^2/NDF : 101777665242.1/37

All: 0.042+/-0.000 χ^2/NDF : 193366487857.7

- sign 0.054+/-0.000 χ^2/NDF : 91554927813.3/37

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 : 3065211.6/20

Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

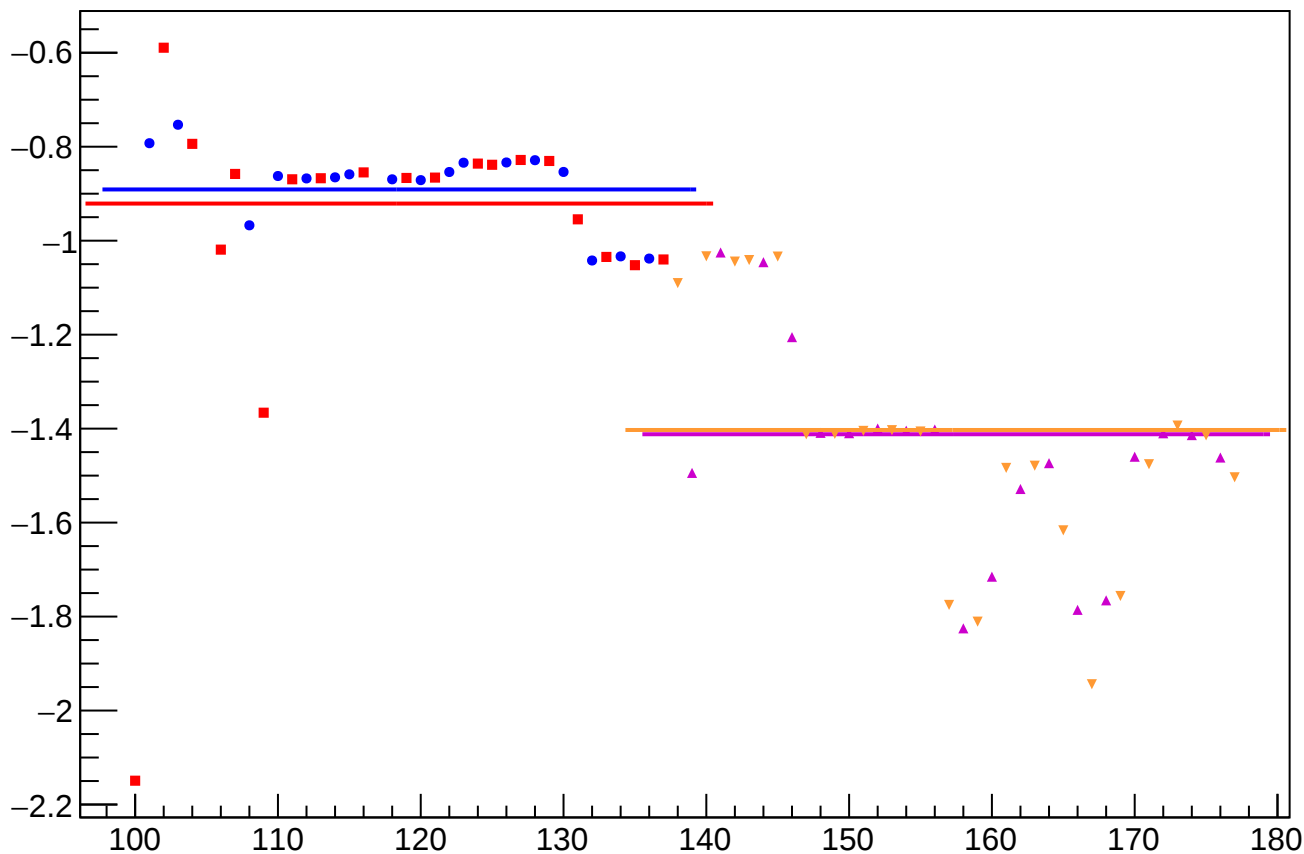
Left In: 0.012+/-0.000 χ^2/NDF : 2969074.9/18

+ sign 0.013+/-0.000 χ^2/NDF : 4690966.4/37

All: 0.013+/-0.000 χ^2/NDF : 9423792.3/75

- sign 0.012+/-0.000 χ^2/NDF : 4724578.7/37

yield_bpm12X_mean vs Slug



Right In: -0.891 $\pm$ 0.000 χ^2 /NDF: 39578323.2/16

Left Out: -1.403 $\pm$ 0.000 χ^2 /NDF: 721582853.1/20

Right Out: -0.921 $\pm$ 0.000 χ^2 /NDF: 131183059.9/18

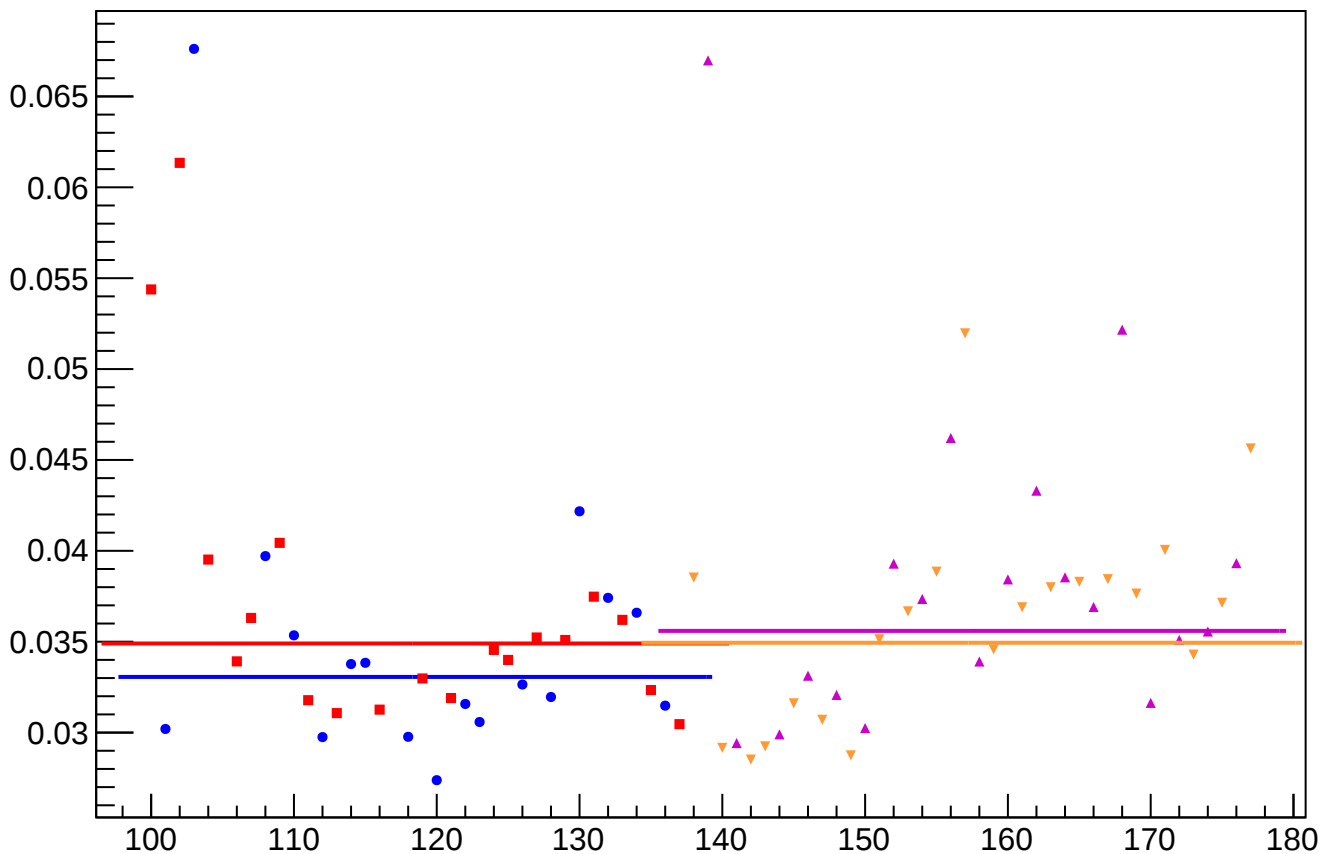
Left In: -1.412 $\pm$ 0.000 χ^2 /NDF: 512097209.2/18

+ sign -1.237 $\pm$ 0.000 χ^2 /NDF: 1711500819.8/37

All: -1.242 $\pm$ 0.000 χ^2 /NDF: 3167588189.4/7

- sign -1.248 $\pm$ 0.000 χ^2 /NDF: 1455023043.0/37

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.035+/-0.000 χ^2/NDF : 534349.3/20

Right Out: 0.035+/-0.000 χ^2/NDF : 274270.8/18

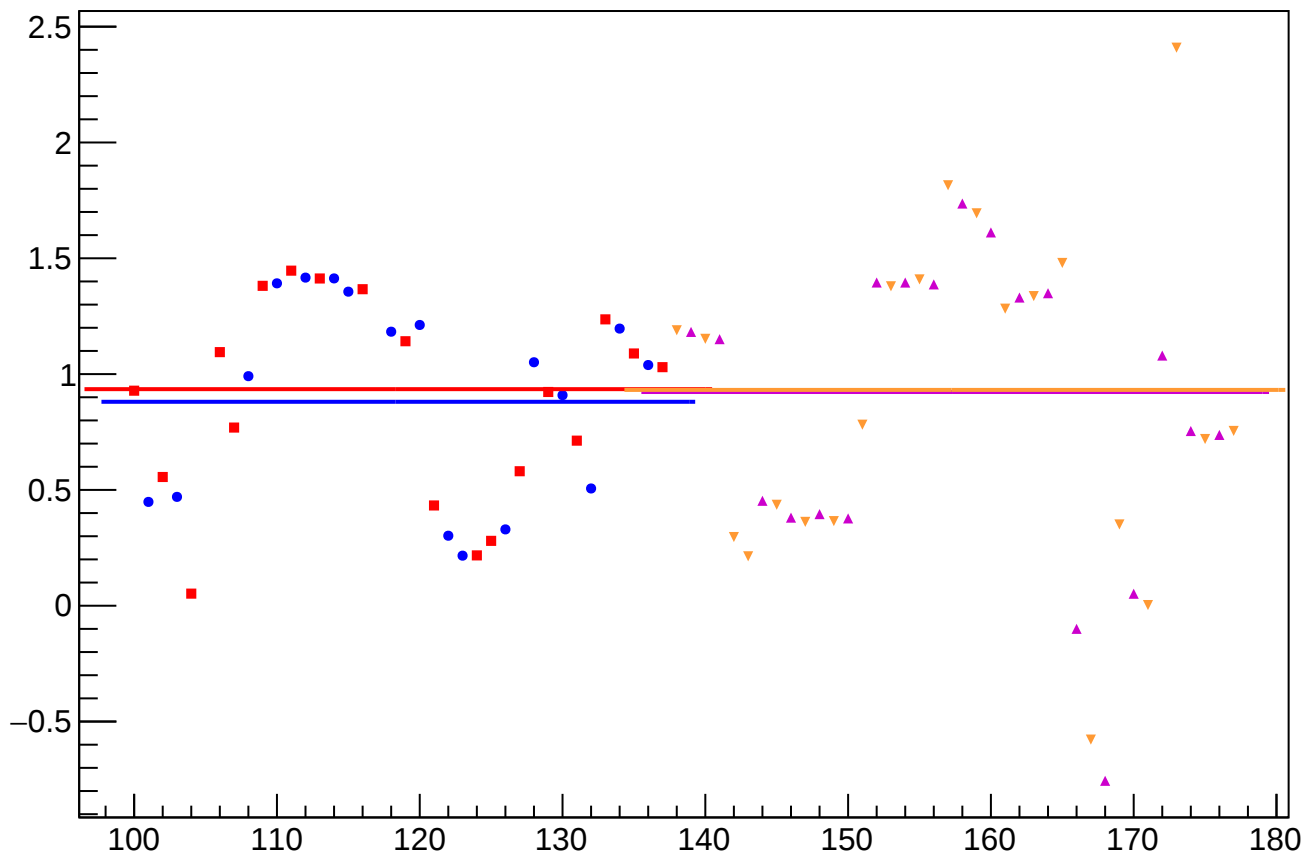
Left In: 0.036+/-0.000 χ^2/NDF : 820419.1/18

+ sign 0.034+/-0.000 χ^2/NDF : 969256.1/37

All: 0.035+/-0.000 χ^2/NDF : 2084047.0/75

- sign 0.035+/-0.000 χ^2/NDF : 1097927.5/37

yield_bpm12Y_mean vs Slug



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 0.932 $\pm$ 0.000 χ^2 /NDF: 82921289575.4/20

Right Out: 0.935 $\pm$ 0.000 χ^2 /NDF: 9833525935.6/18

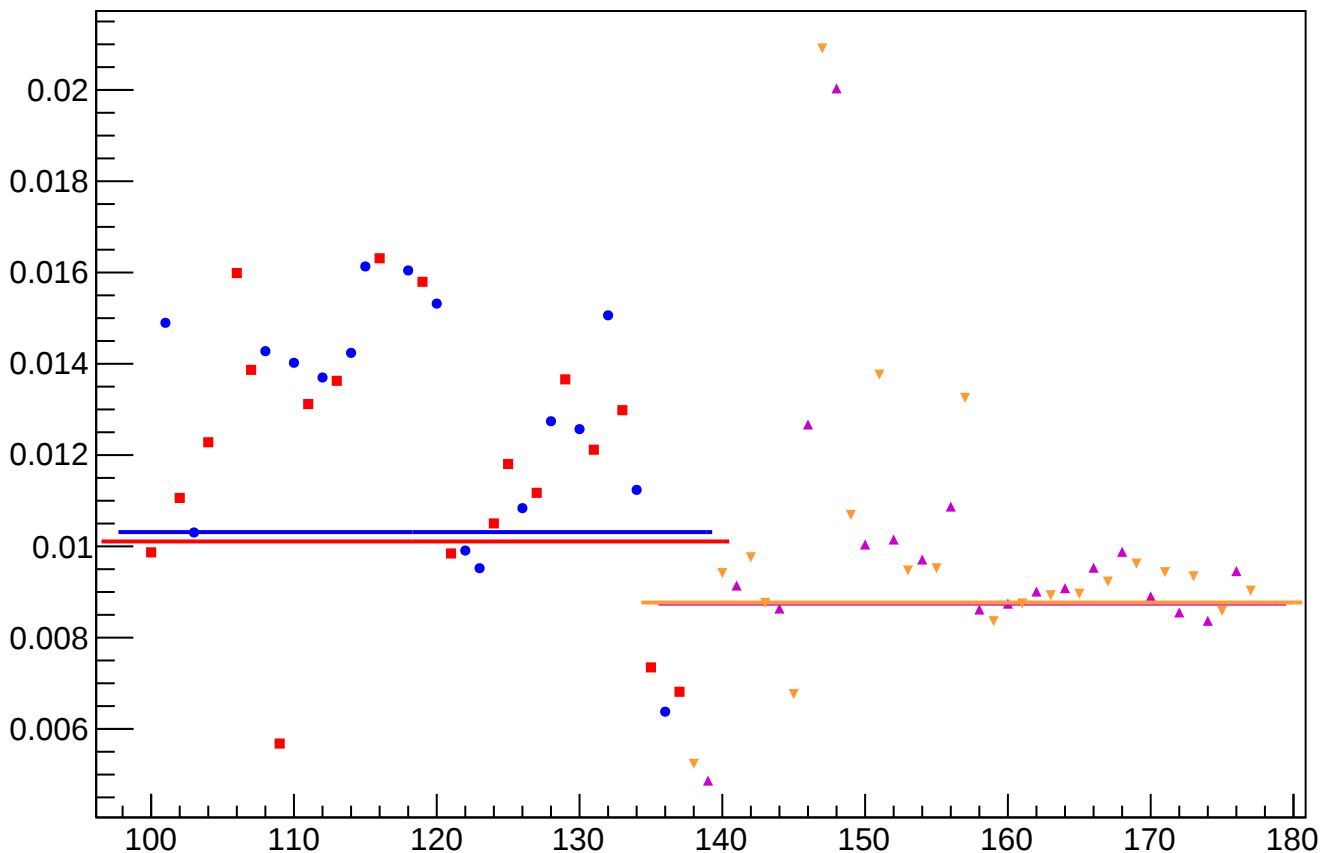
Left In: 0.923 $\pm$ 0.000 χ^2 /NDF: 65817645586.8/18

+ sign 0.920 $\pm$ 0.000 χ^2 /NDF: 89429599395.9/37

All: 0.923 $\pm$ 0.000 χ^2 /NDF: 165090590549.8

- sign 0.926 $\pm$ 0.000 χ^2 /NDF: 75657665086.5/37

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:1695456.7/20

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

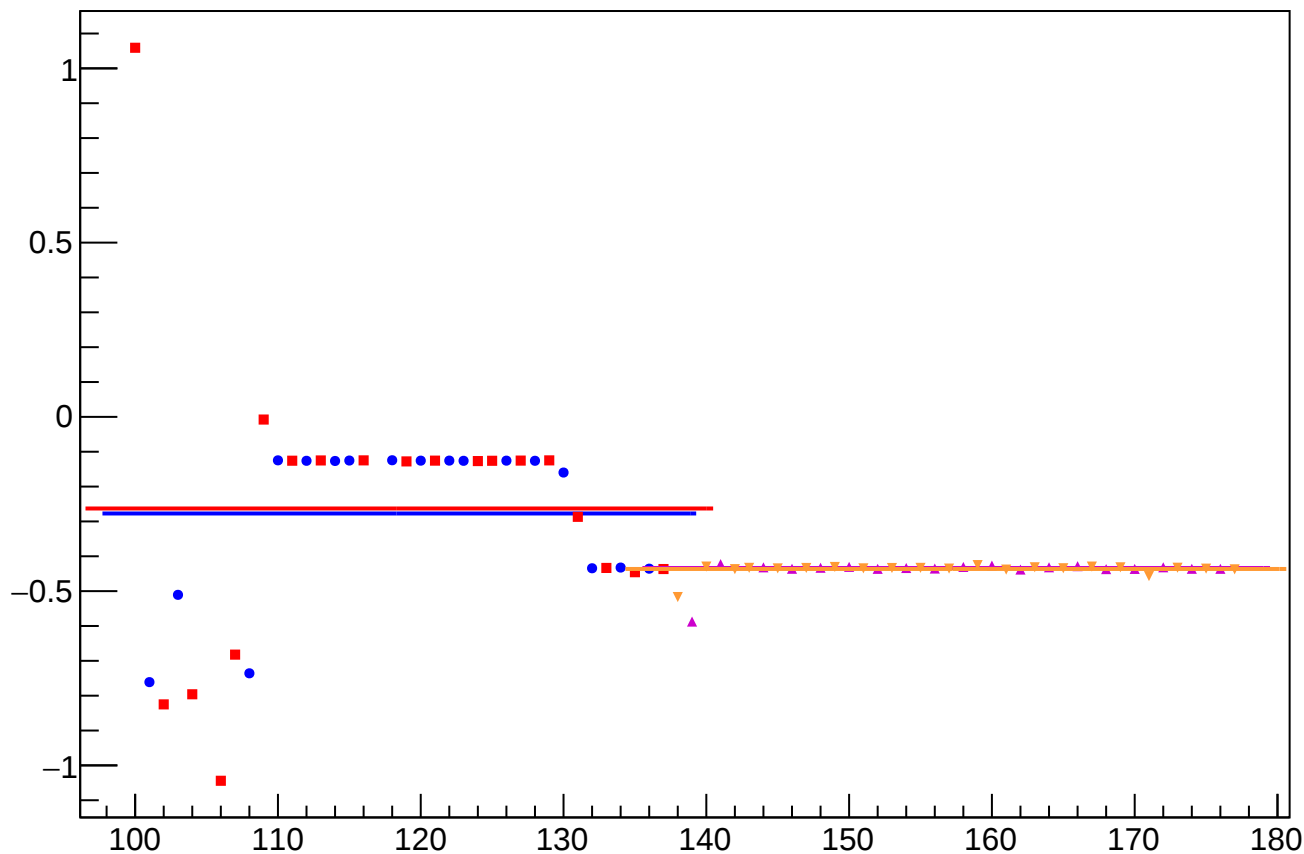
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1603356.7/18

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3122296.5/37

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6063611.9/75

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2941160.1/37

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 : 28749787.4/20

Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

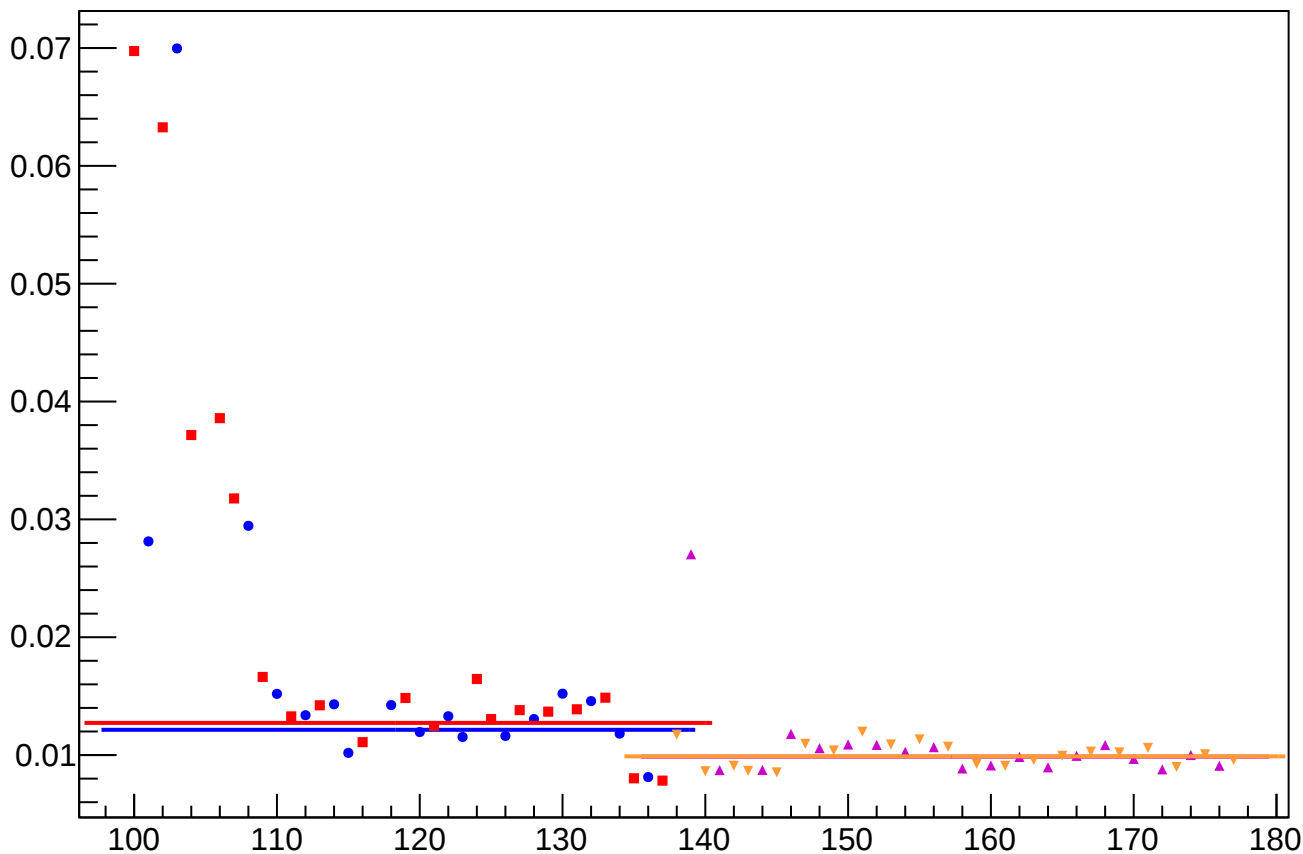
Left In: -0.434 ± 0.000 χ^2/NDF : 23735784.6/18

+ sign -0.406 ± 0.000 χ^2/NDF : 1625646639.2/37

All: -0.404 ± 0.000 χ^2/NDF : 3364077077.2/77

- sign -0.401 ± 0.000 χ^2/NDF : 1736134529.4/37

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: 248255.9/20

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1969165.0/18

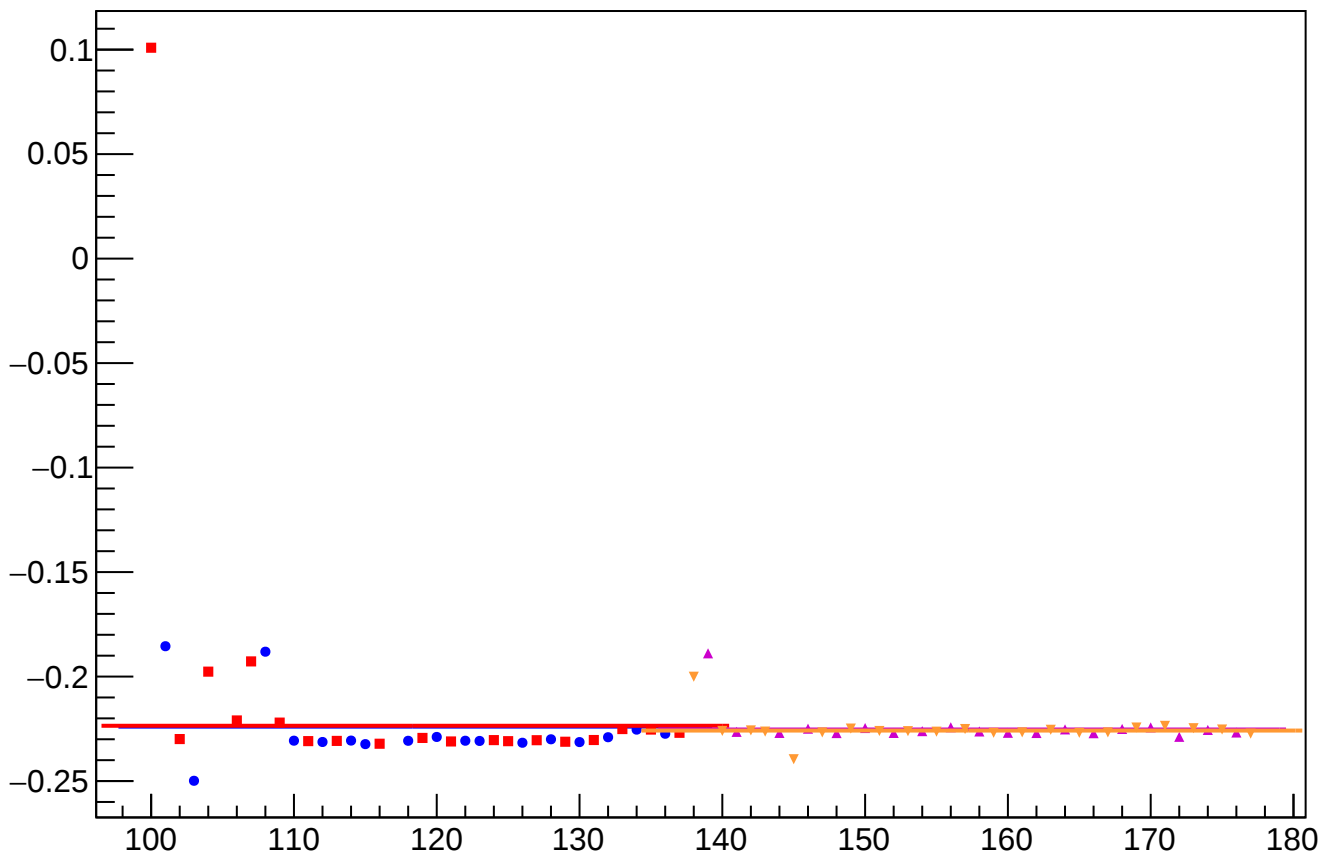
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 734091.1/18

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2239086.1/37

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5339831.8/75

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3099128.6/37

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 : 20935934.1/20

Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

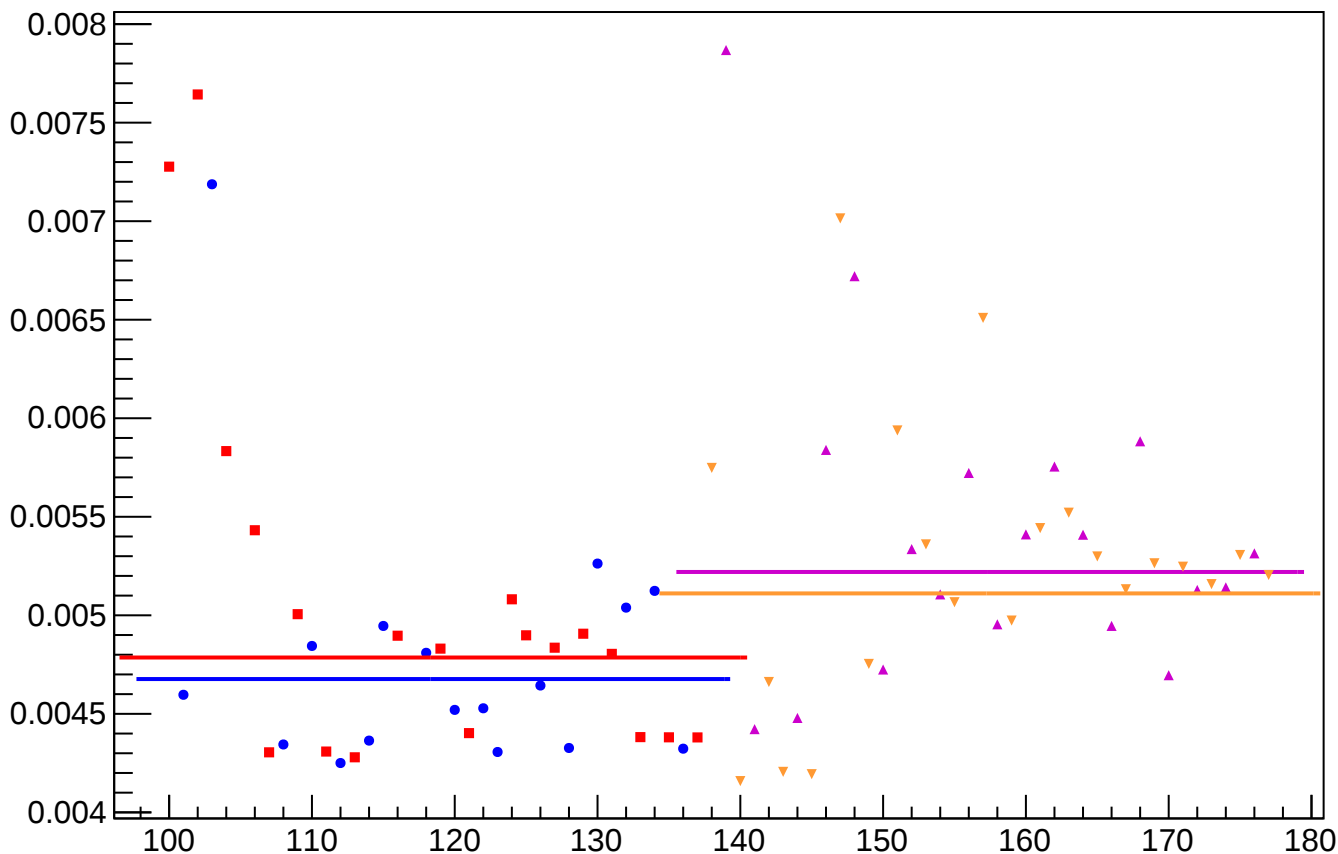
Left In: -0.225+/-0.000 χ^2/NDF : 14747676.1/18

+ sign -0.225+/-0.000 χ^2/NDF : 96301605.8/37

All: -0.225+/-0.000 χ^2/NDF : 279857347.4/75

- sign -0.225+/-0.000 χ^2/NDF : 183446547.4/37

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 : 454210.5/20

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

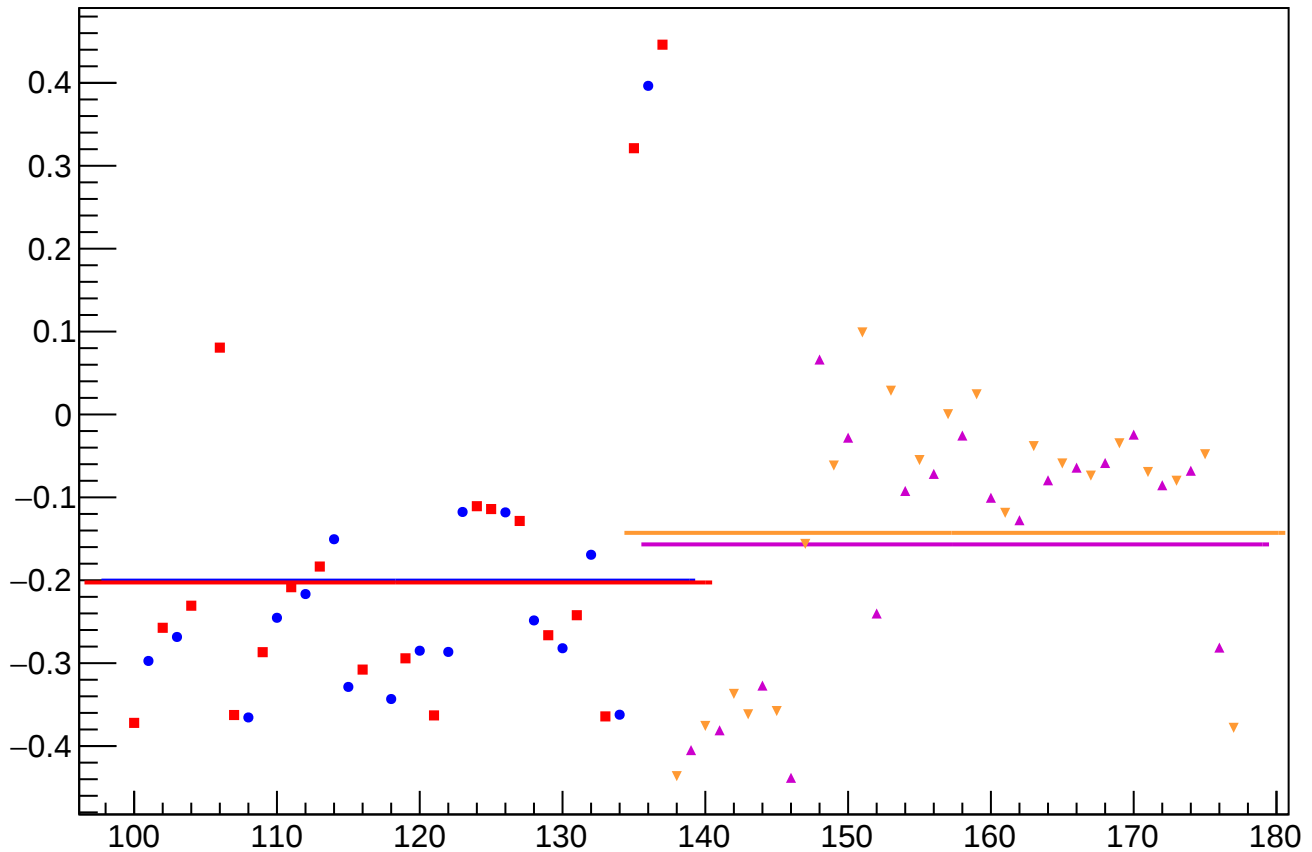
Left In: 0.005+/-0.000 χ^2/NDF : 426923.0/18

+ sign 0.005+/-0.000 χ^2/NDF : 705550.5/37

All: 0.005+/-0.000 χ^2/NDF : 1455935.9/75

- sign 0.005+/-0.000 χ^2/NDF : 742795.6/37

yield_bpm0i02X_mean vs Slug



Right In: -0.200 ± 0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.143 ± 0.000 χ^2/NDF : 13460852361.4/20

Right Out: -0.203 ± 0.000 χ^2/NDF : 5028268807.1/18

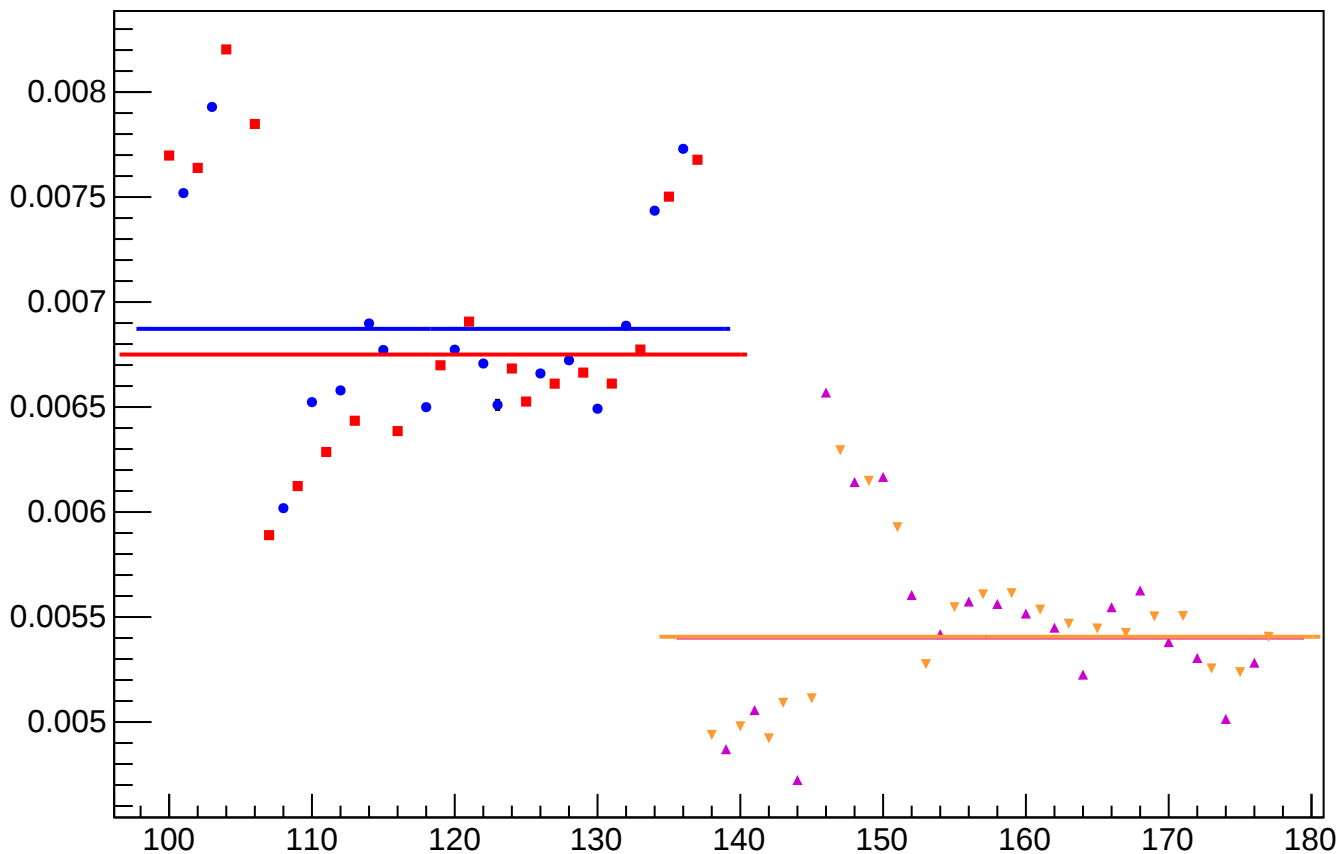
Left In: -0.157 ± 0.000 χ^2/NDF : 9521391655.9/18

+ sign -0.155 ± 0.000 χ^2/NDF : 19797251092.8/37

All: -0.161 ± 0.000 χ^2/NDF : 34639690083.5/37

- sign -0.168 ± 0.000 χ^2/NDF : 14790793675.1/37

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005+/-0.000 χ^2/NDF : 109547.4/20

Right Out: 0.007+/-0.000 χ^2/NDF : 105124.4/18

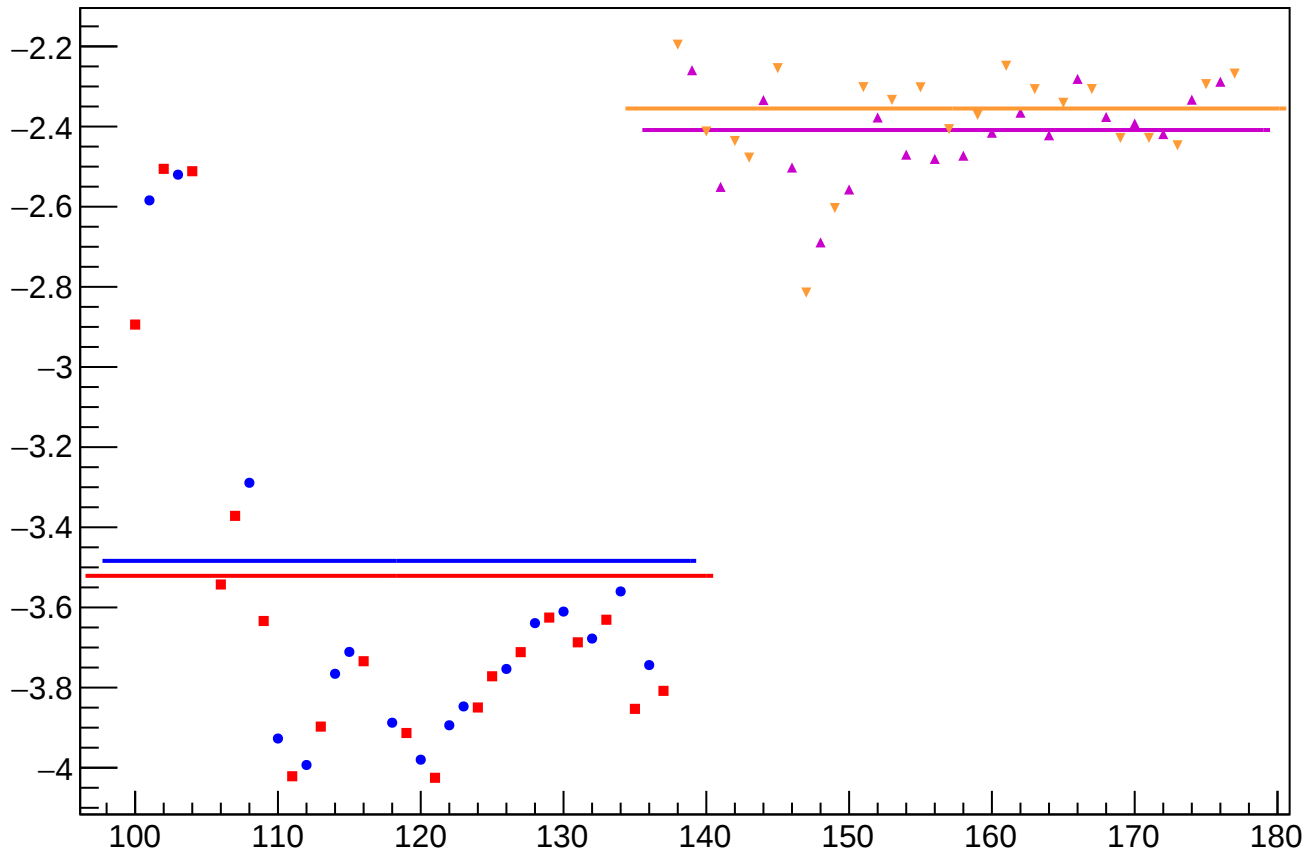
Left In: 0.005+/-0.000 χ^2/NDF : 159594.4/18

+ sign 0.006+/-0.000 χ^2/NDF : 658073.9/37

All: 0.006+/-0.000 χ^2/NDF : 1338228.5/75

- sign 0.006+/-0.000 χ^2/NDF : 680097.8/37

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.355+/-0.000 χ^2/NDF : 2015019581.6/20

Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

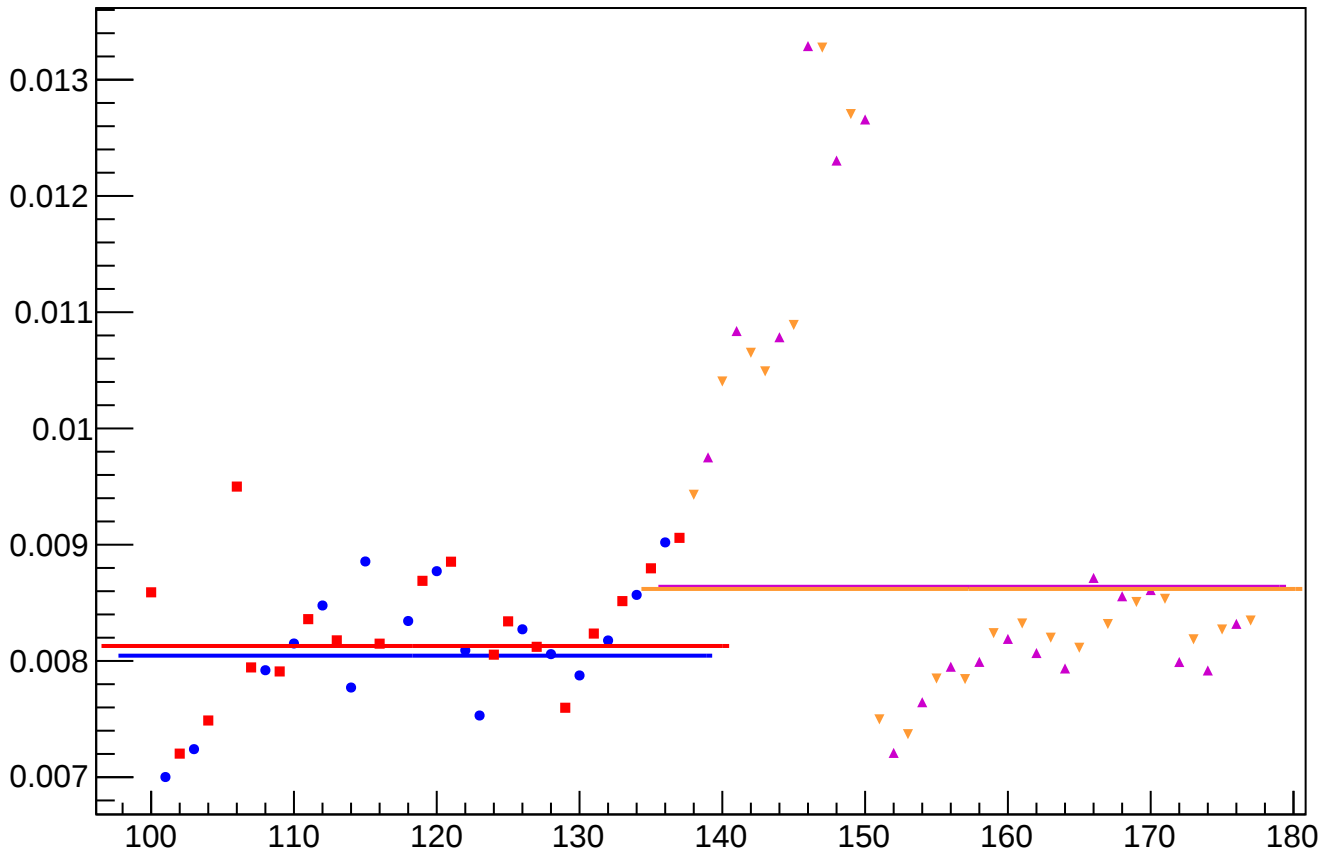
Left In: -2.409+/-0.000 χ^2/NDF : 1382955679.9/18

+ sign -2.736+/-0.000 χ^2/NDF : 114109123445.4/37

All: -2.772+/-0.000 χ^2/NDF : 223937607583.9

- sign -2.809+/-0.000 χ^2/NDF : 109036354018.6/37

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 : 604831.2/20

Right Out: 0.008+/-0.000 χ^2/NDF : 57478.2/18

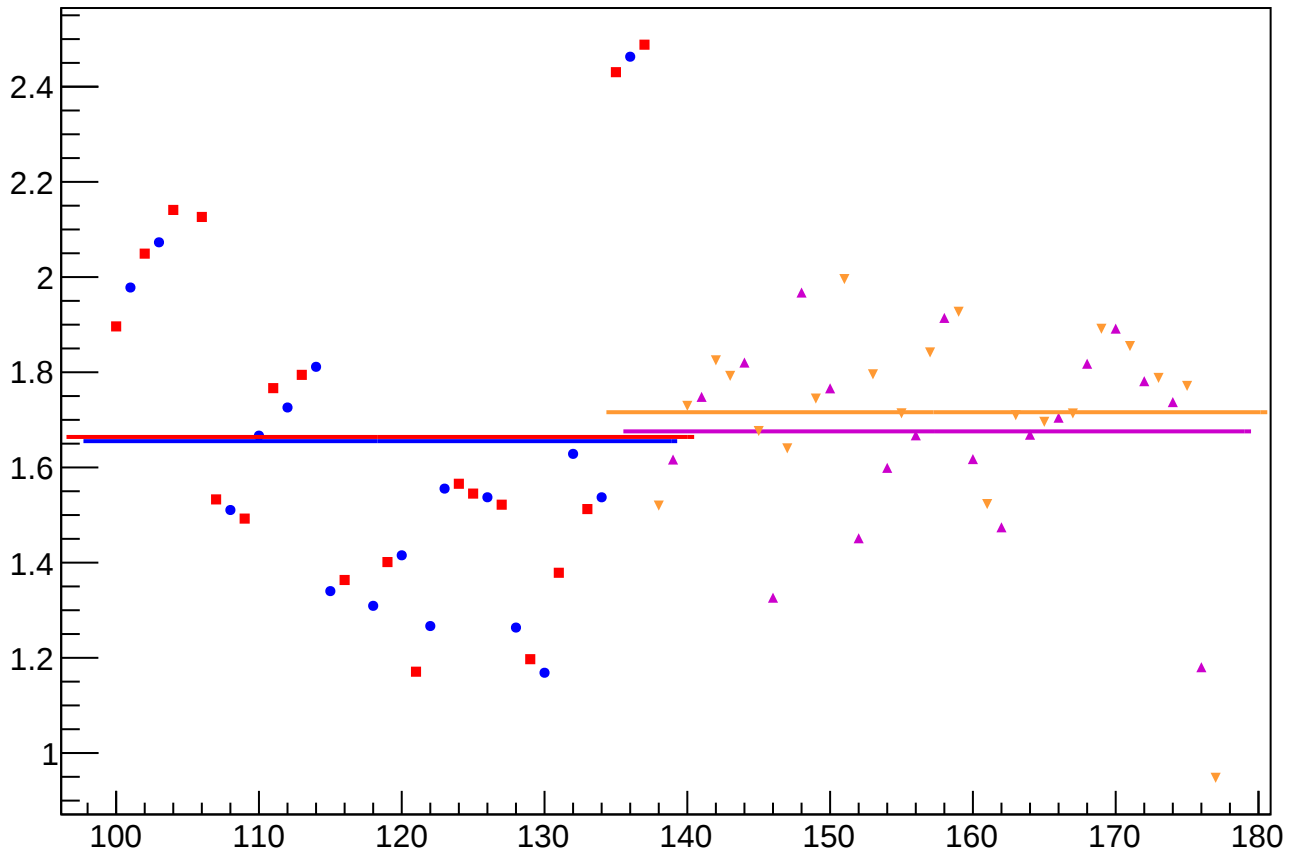
Left In: 0.009+/-0.000 χ^2/NDF : 728526.3/18

+ sign 0.008+/-0.000 χ^2/NDF : 720728.1/37

All: 0.008+/-0.000 χ^2/NDF : 1540988.7/75

- sign 0.008+/-0.000 χ^2/NDF : 820020.0/37

yield_bpm0i02aX_mean vs Slug



Right In: 1.655 ± 0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.716 ± 0.000 χ^2/NDF : 6547833419.8/20

Right Out: 1.664 ± 0.000 χ^2/NDF : 5944262279.7/18

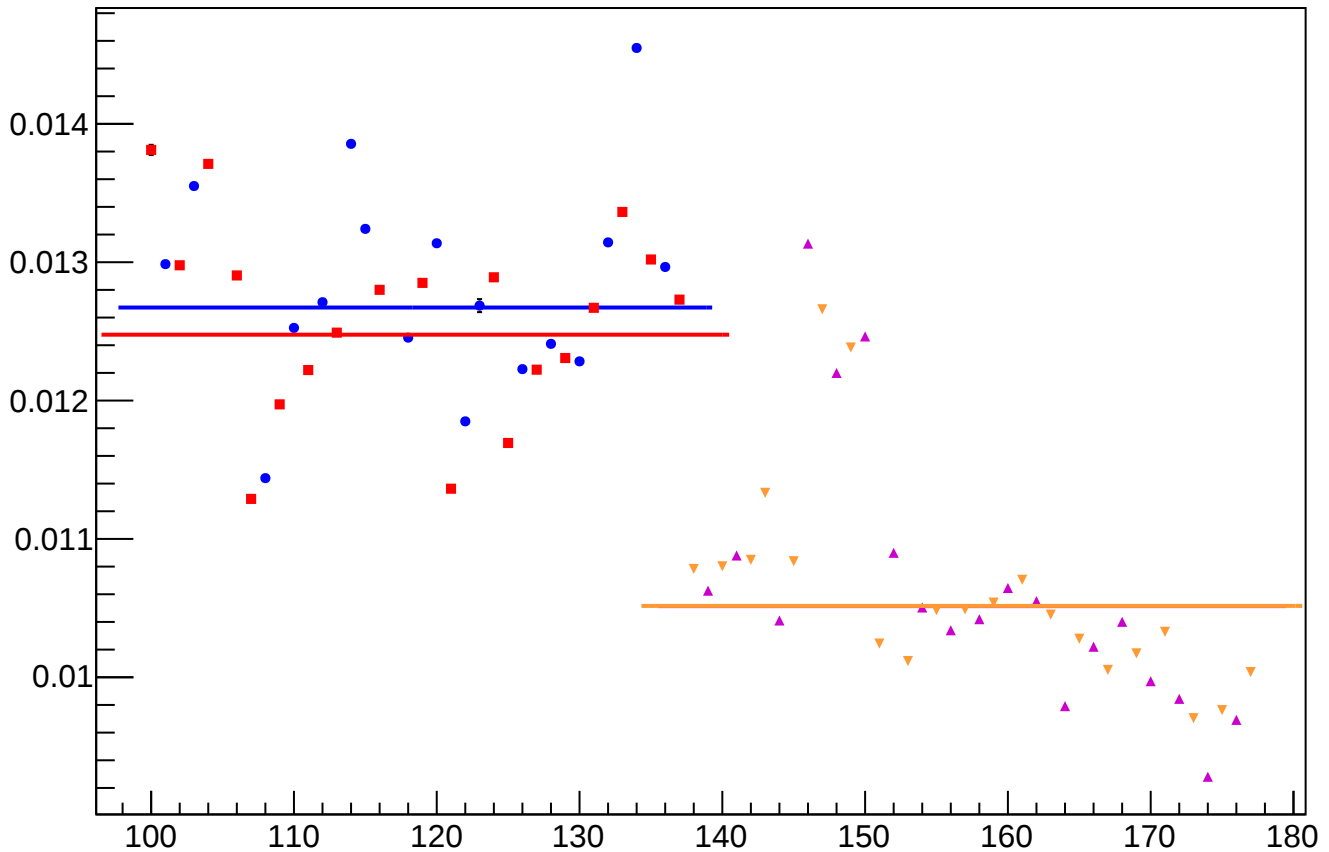
Left In: 1.676 ± 0.000 χ^2/NDF : 4794884713.0/18

+ sign 1.702 ± 0.000 χ^2/NDF : 13140669169.9/37

All: 1.688 ± 0.000 χ^2/NDF : 23959265387.0/7

- sign 1.673 ± 0.000 χ^2/NDF : 10743642559.1/37

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 :119460.0/20

Right Out: 0.012+/-0.000 χ^2/NDF : 39134.8/18

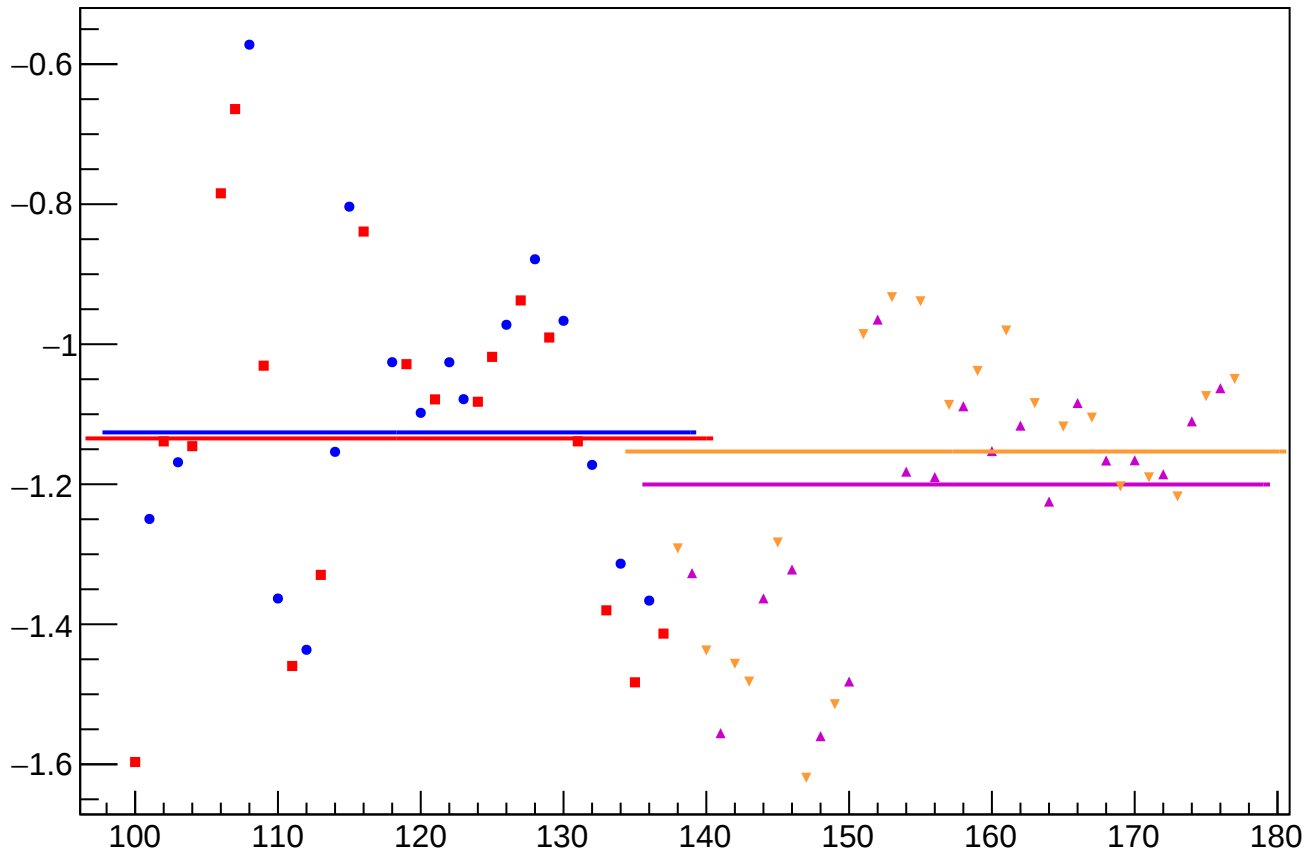
Left In: 0.011+/-0.000 χ^2/NDF :181666.6/18

+ sign 0.011+/-0.000 χ^2/NDF : 443957.1/37

All: 0.011+/-0.000 χ^2/NDF : 917023.0/75

- sign 0.011+/-0.000 χ^2/NDF : 473040.9/37

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.153+/-0.000 χ^2/NDF : 7471714695.9/20

Right Out: -1.135+/-0.000 χ^2/NDF : 3677461023.4/18

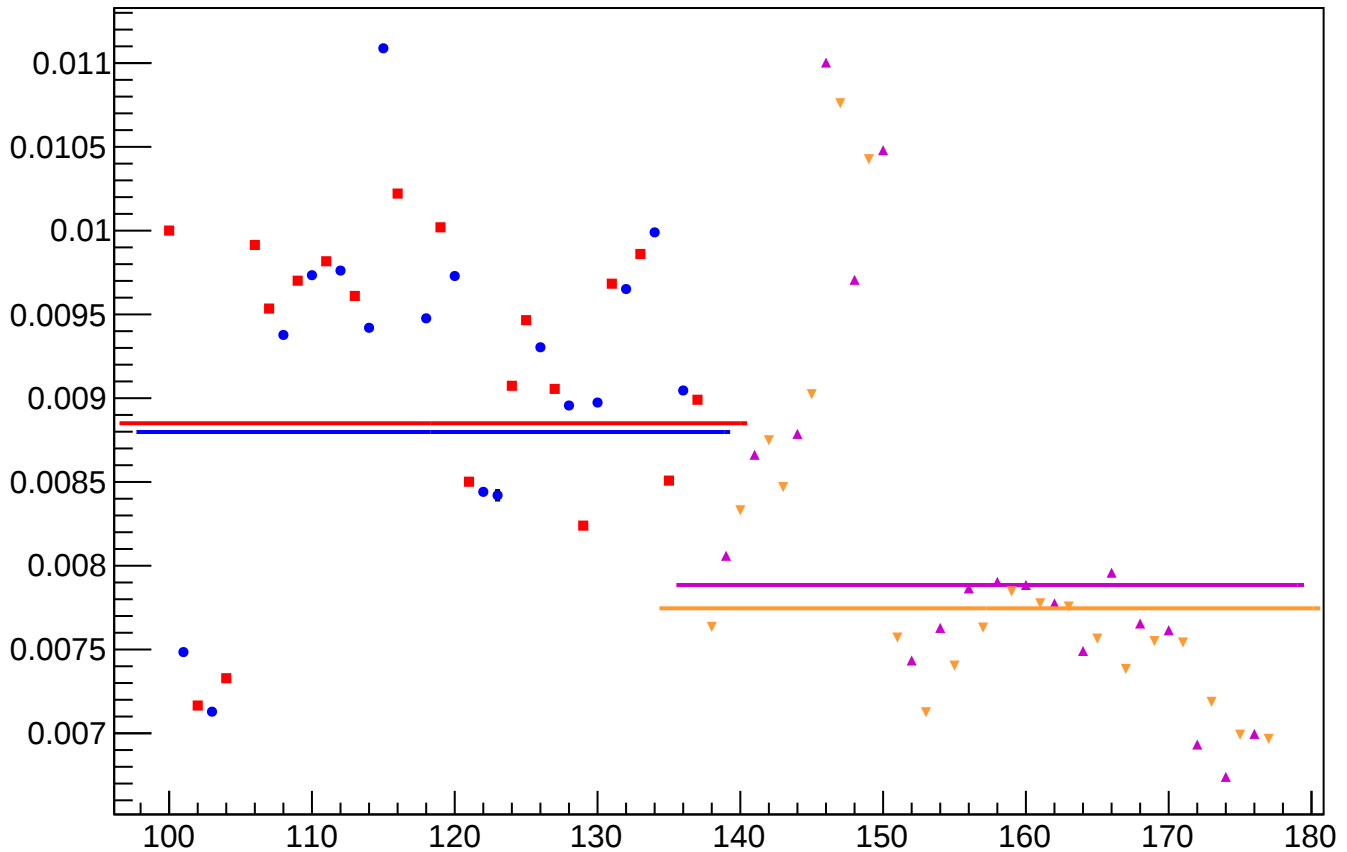
Left In: -1.200+/-0.000 χ^2/NDF : 4986969150.3/18

+ sign -1.146+/-0.000 χ^2/NDF : 11092366948.9/37

All: -1.164+/-0.000 χ^2/NDF : 20220260649.5/37

- sign -1.182+/-0.000 χ^2/NDF : 8928187373.1/37

yield_bpm0i02aY_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 151586.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 309140.1/20

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 173958.0/18

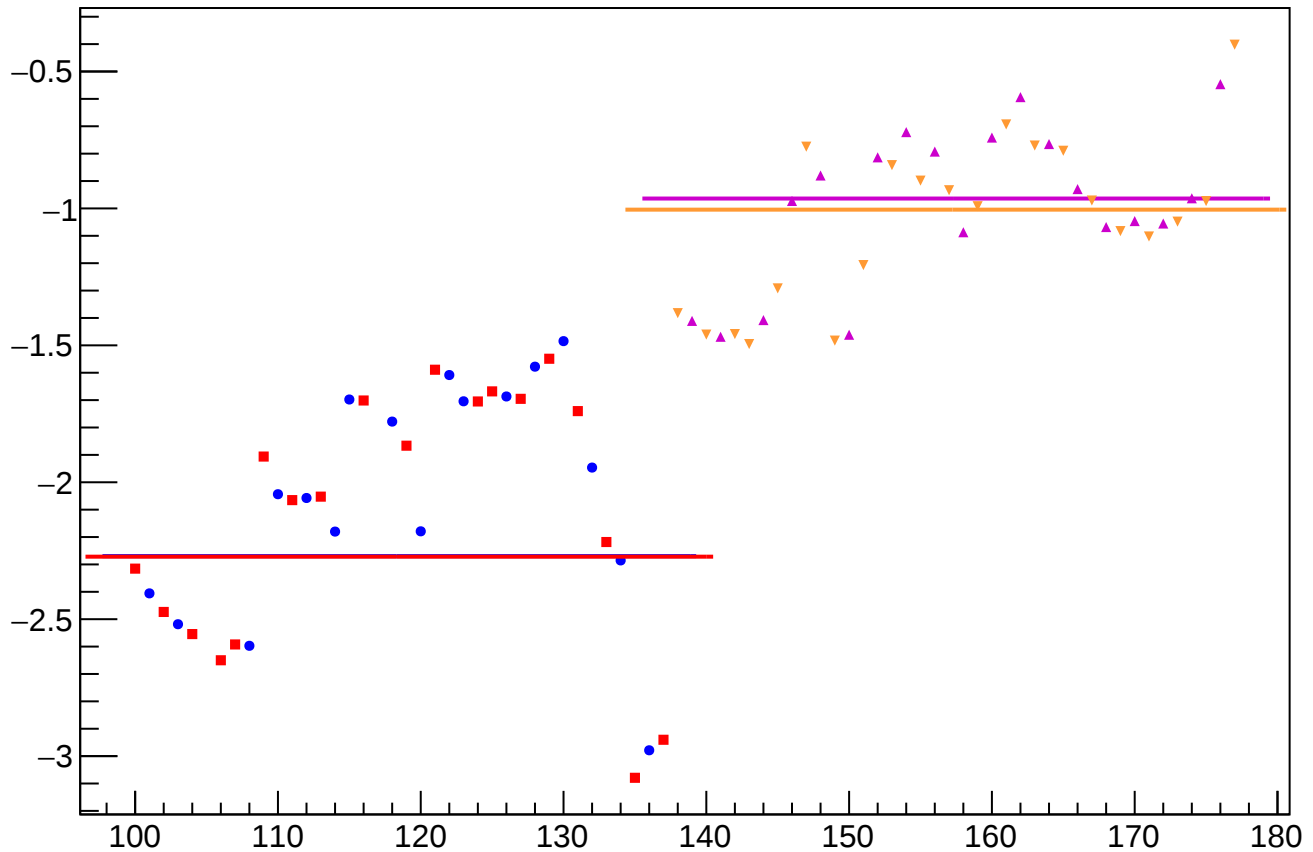
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 373224.1/18

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 597022.8/37

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 1264093.4/75

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 660748.3/37

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2 /NDF: 17408567065.9/16

Left Out: -1.004+/-0.000 χ^2 /NDF: 27509514312.7/20

Right Out: -2.272+/-0.000 χ^2 /NDF: 19009331715.4/18

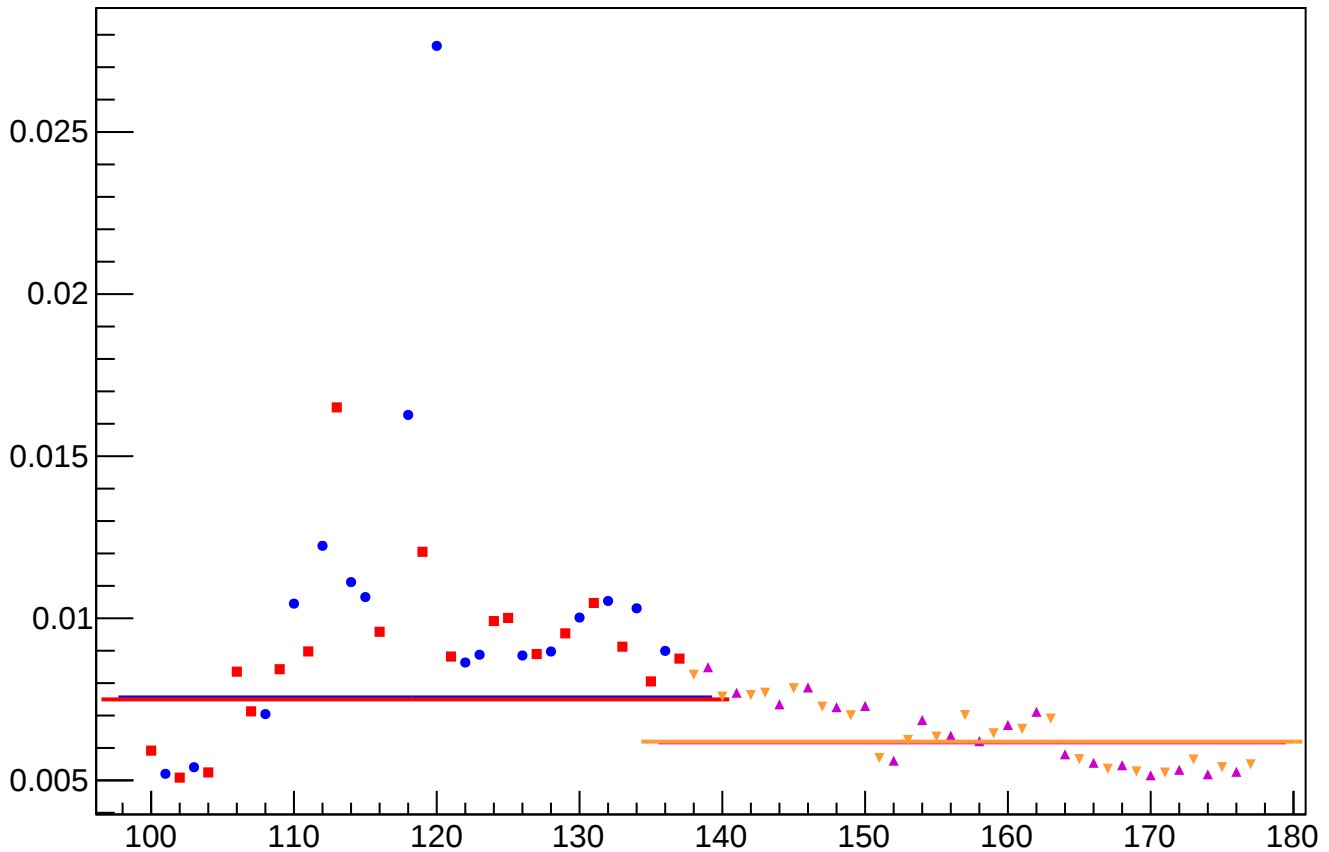
Left In: -0.964+/-0.000 χ^2 /NDF: 22978486757.4/18

+ sign -1.246+/-0.000 χ^2 /NDF: 159022071353.1/37

All: -1.249+/-0.000 χ^2 /NDF: 333773056615.2

- sign -1.252+/-0.000 χ^2 /NDF: 174742073454.1/37

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 :587035.5/20

Right Out: 0.007+/-0.000 χ^2/NDF : 933998.1/18

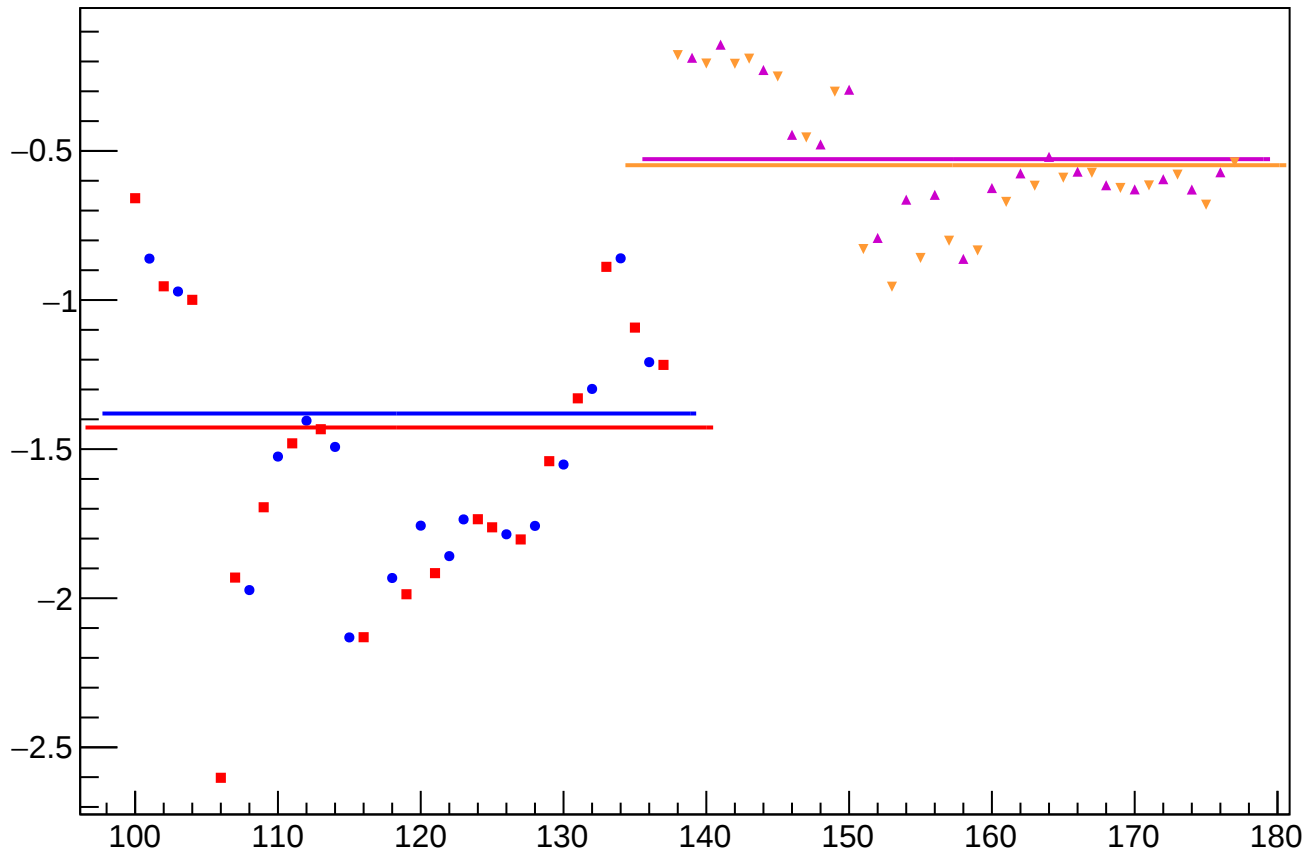
Left In: 0.006+/-0.000 χ^2/NDF :639632.0/18

+ sign 0.006+/-0.000 χ^2/NDF : 2072817.7/37

All: 0.006+/-0.000 χ^2/NDF : 3919225.1/75

- sign 0.006+/-0.000 χ^2/NDF : 1846363.4/37

yield_bpm0i05Y_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.548+/-0.000 χ^2/NDF : 46180383075.1/20

Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

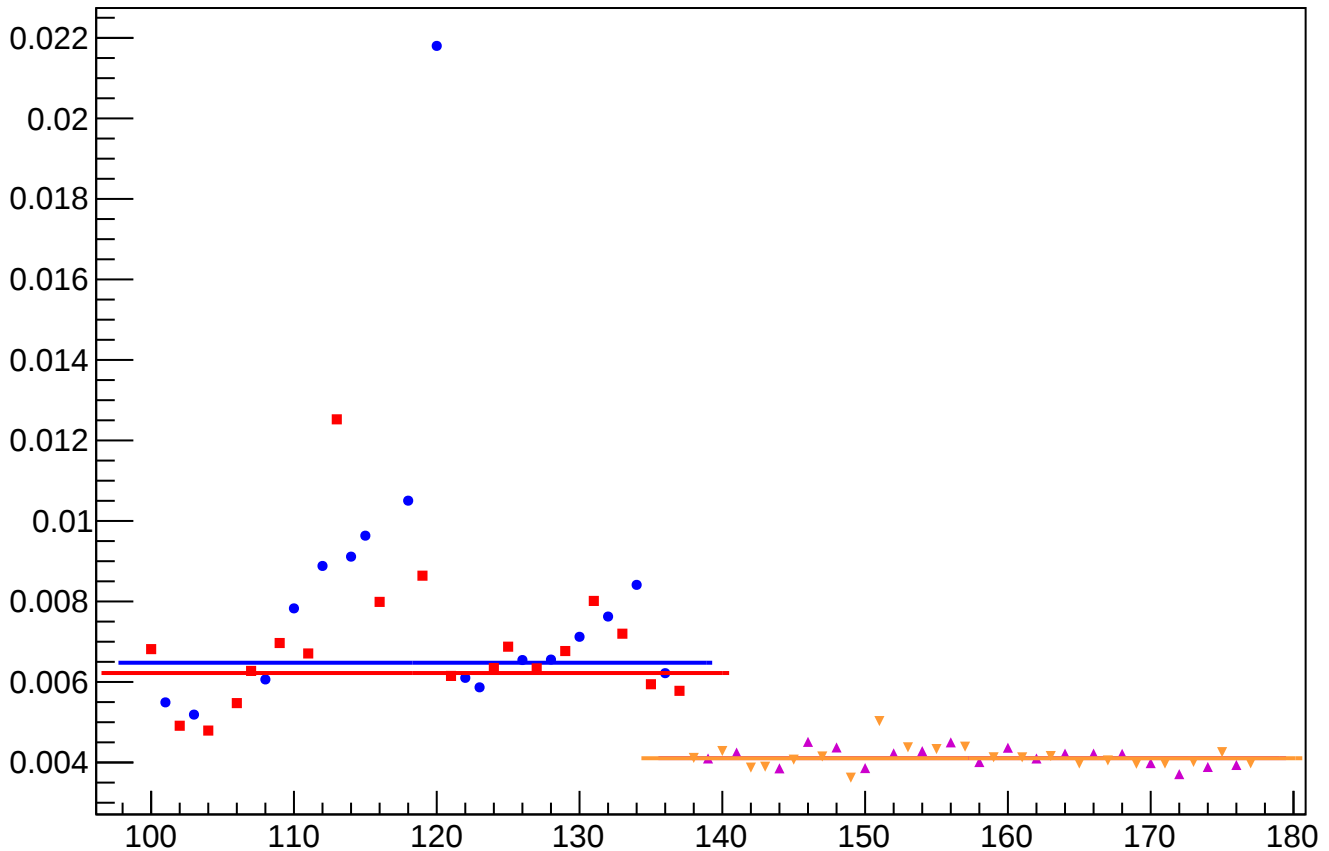
Left In: -0.528+/-0.000 χ^2/NDF : 30479847896.5/18

+ sign -0.657+/-0.000 χ^2/NDF : 144352421149.0/37

All: -0.664+/-0.000 χ^2/NDF : 307887959364.9

- sign -0.671+/-0.000 χ^2/NDF : 163440881821.9/37

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 : 98604.8/20

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

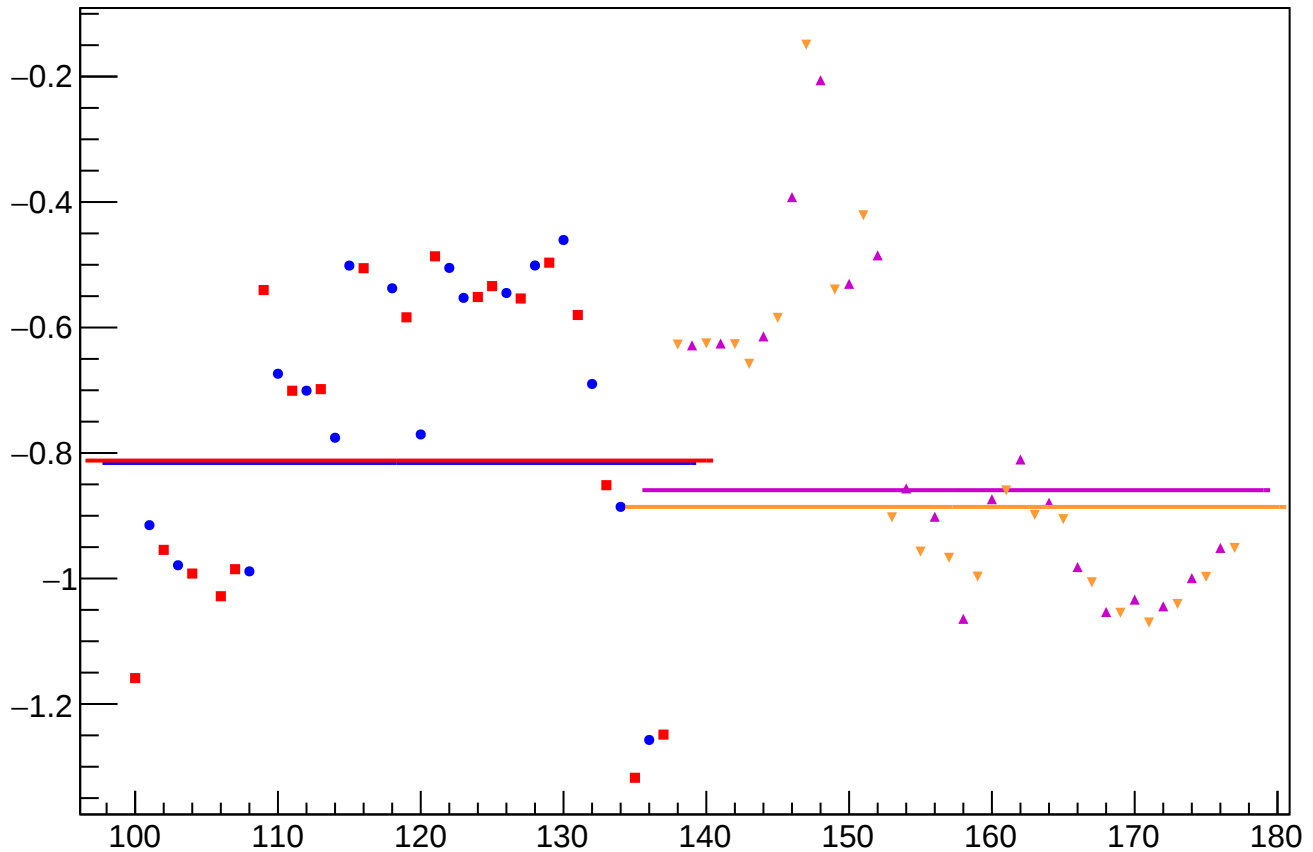
Left In: 0.004+/-0.000 χ^2/NDF : 77710.7/18

+ sign 0.004+/-0.000 χ^2/NDF : 1940510.1/37

All: 0.004+/-0.000 χ^2/NDF : 3582555.1/75

- sign 0.004+/-0.000 χ^2/NDF : 1641221.2/37

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.886+/-0.000 χ^2/NDF : 40104611133.1/20

Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

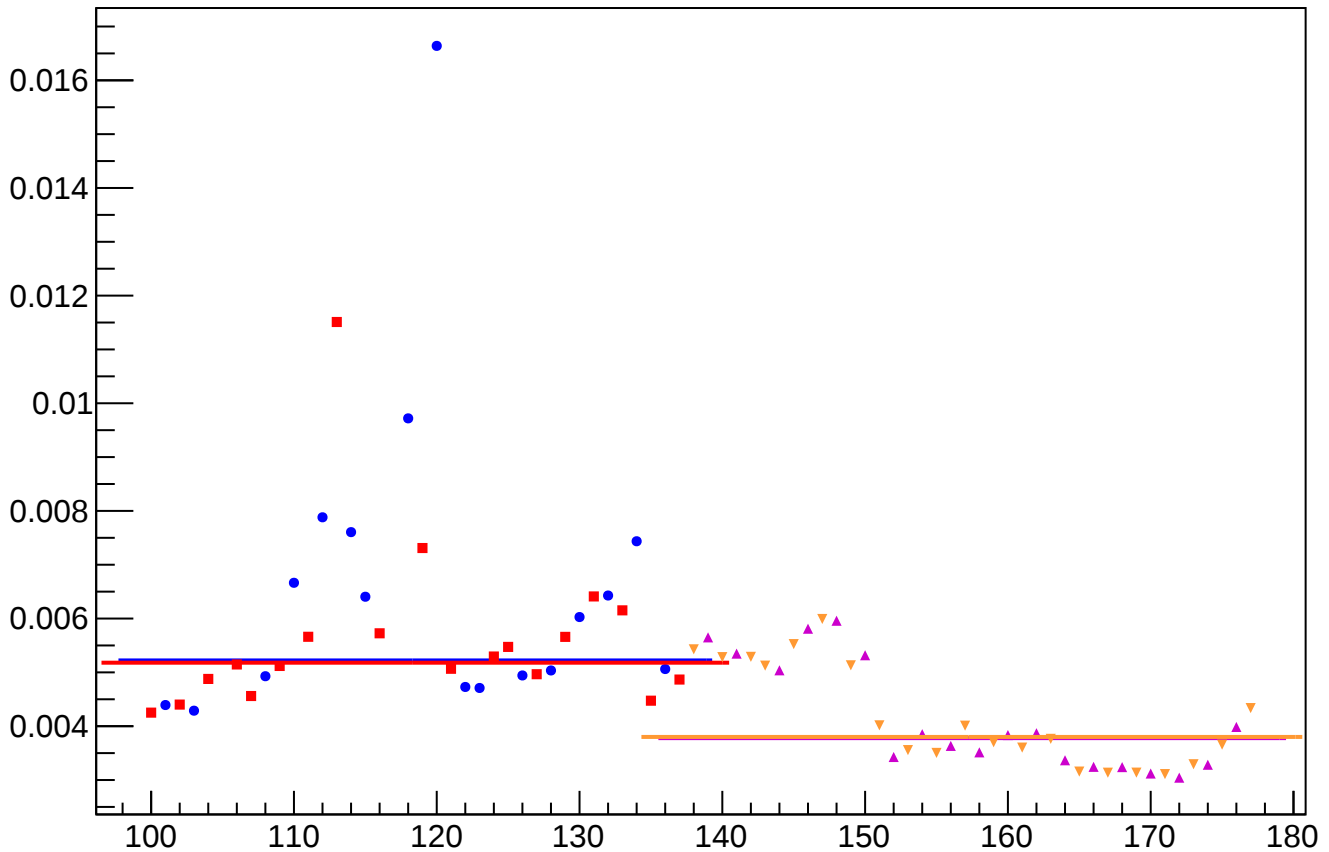
Left In: -0.859+/-0.000 χ^2/NDF : 43364102016.9/18

+ sign -0.874+/-0.000 χ^2/NDF : 55079829717.5/37

All: -0.862+/-0.000 χ^2/NDF : 115992923153.3

- sign -0.850+/-0.000 χ^2/NDF : 60577274712.8/37

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 664386.8/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1148652.9/20

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 363781.3/18

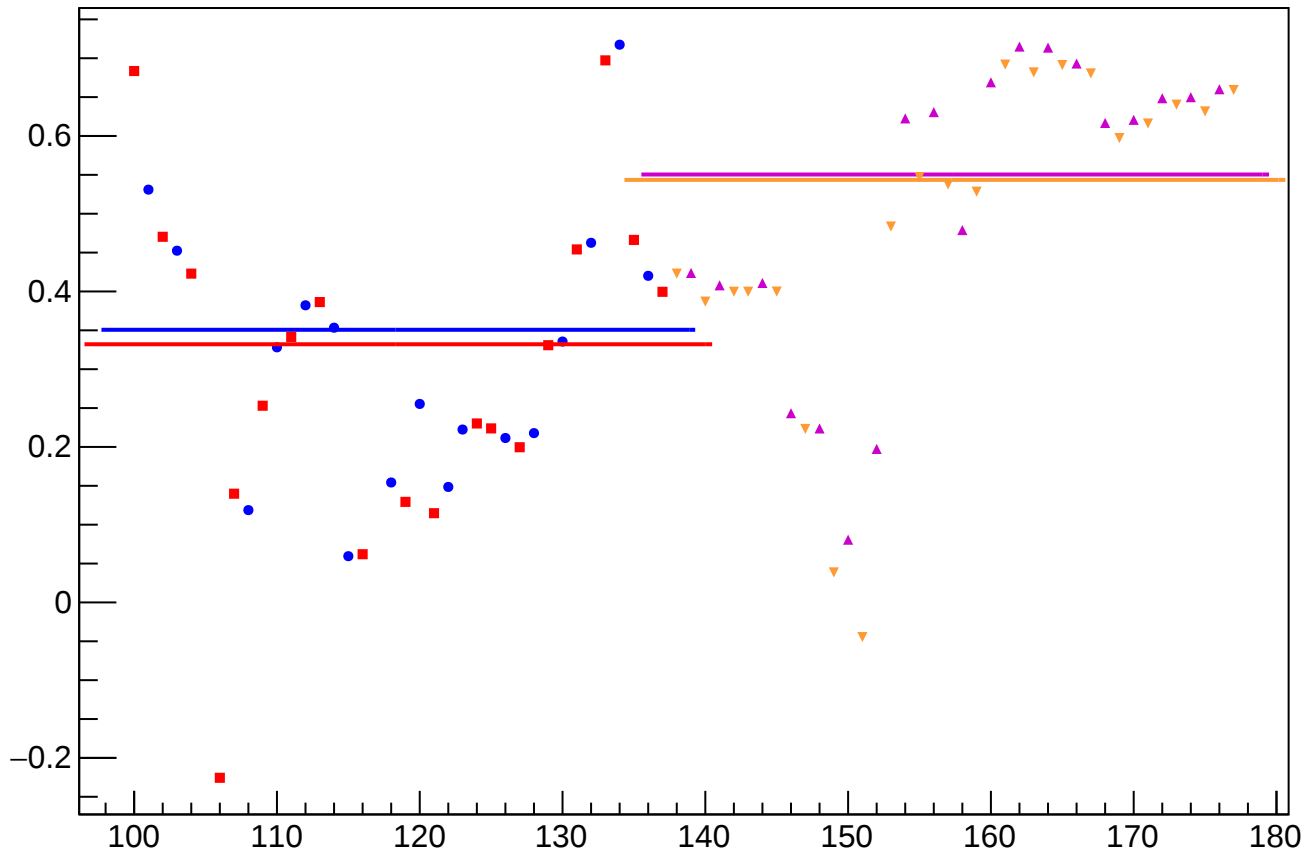
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1187663.6/18

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2472155.5/37

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4725006.6/75

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2252712.8/37

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.544+/-0.000 χ^2/NDF : 41729251773.5/20

Right Out: 0.332+/-0.000 χ^2/NDF : 11796213425.9/18

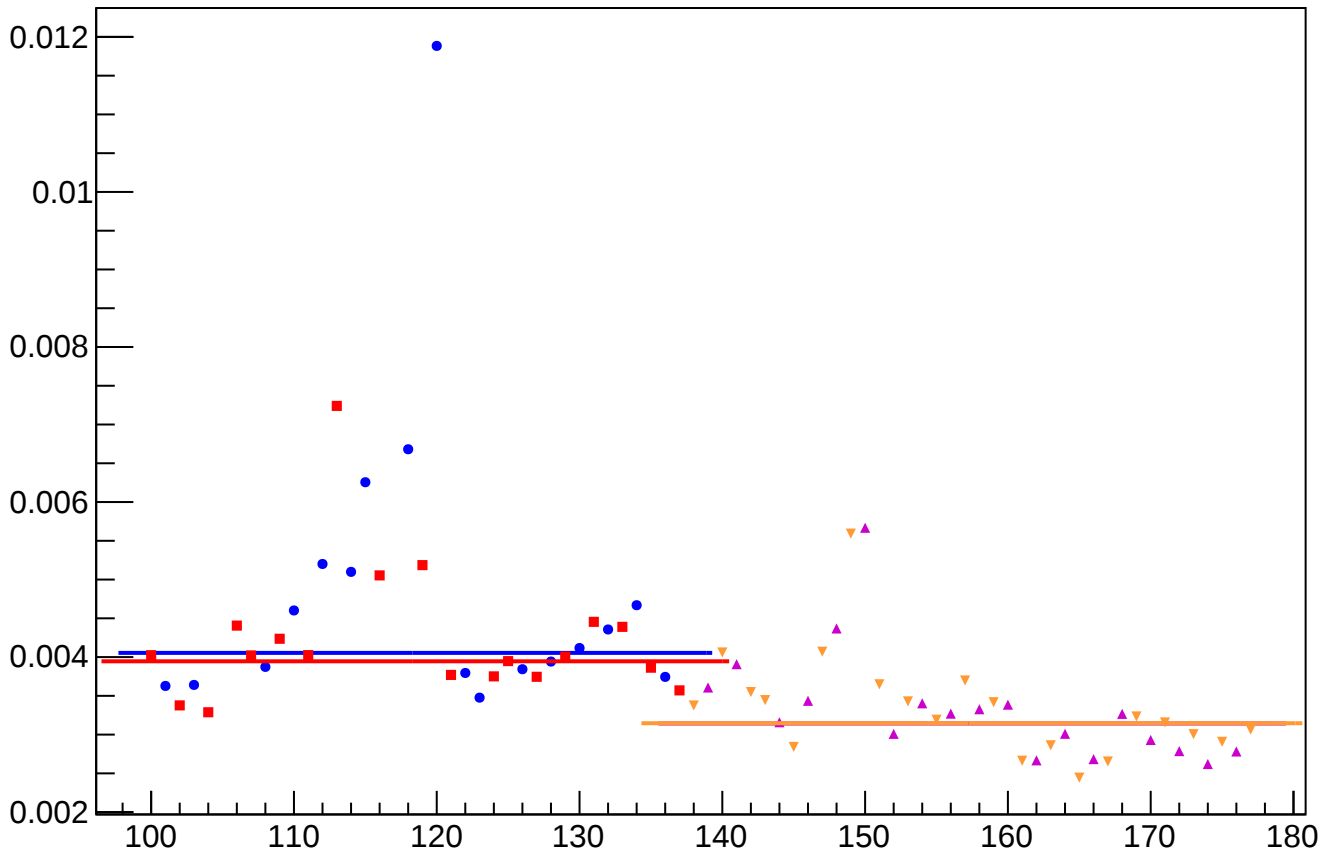
Left In: 0.550+/-0.000 χ^2/NDF : 39033459950.4/18

+ sign 0.505+/-0.000 χ^2/NDF : 59462400033.9/37

All: 0.503+/-0.000 χ^2/NDF : 124735771256.4

- sign 0.500+/-0.000 χ^2/NDF : 65251232566.9/37

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: 726446.8/20

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 260968.0/18

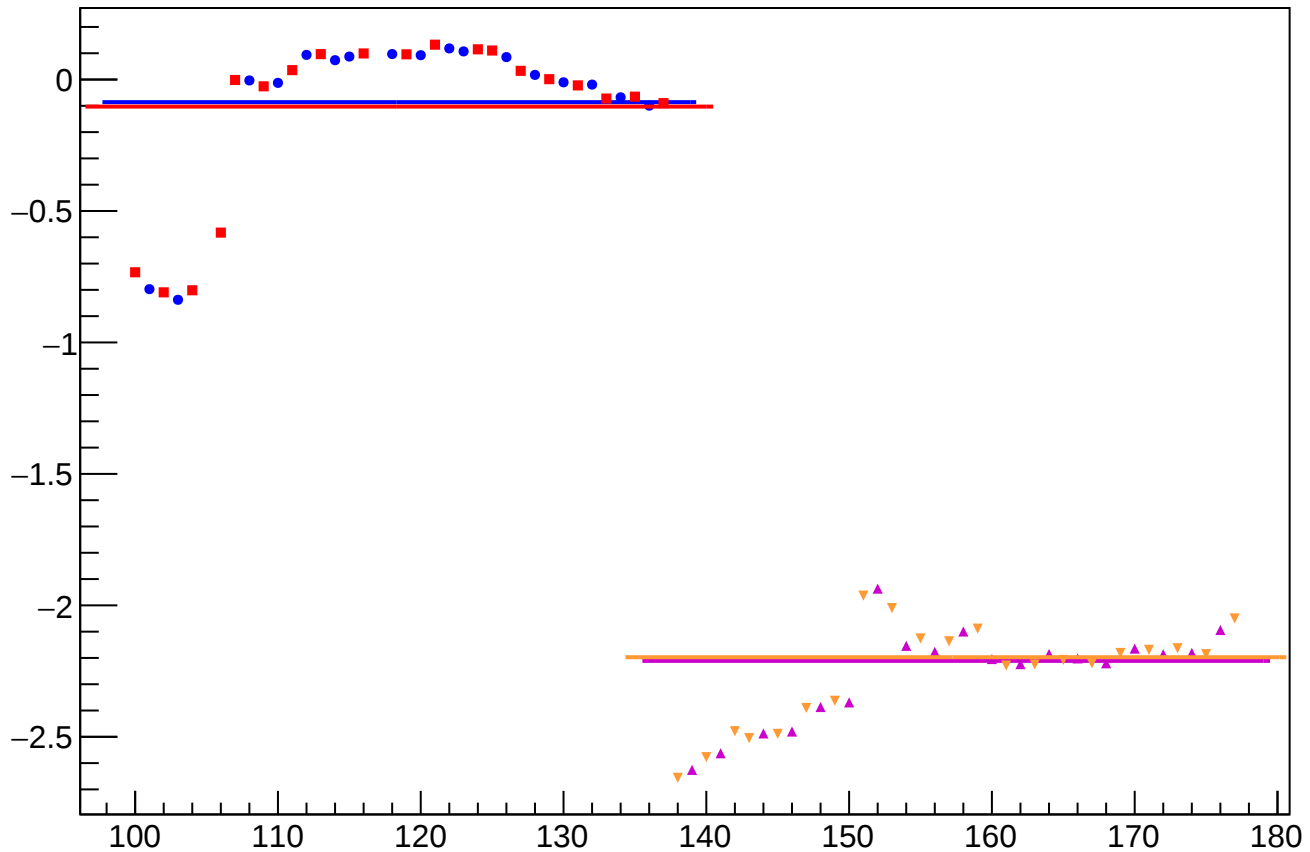
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 708619.4/18

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1639106.3/37

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2998308.1/75

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1359200.5/37

yield_bpm1i02X_mean vs Slug



Right In: -0.086 ± 0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.197 ± 0.000 χ^2/NDF : 3703122505.8/20

Right Out: -0.103 ± 0.000 χ^2/NDF : 5553039516.7/18

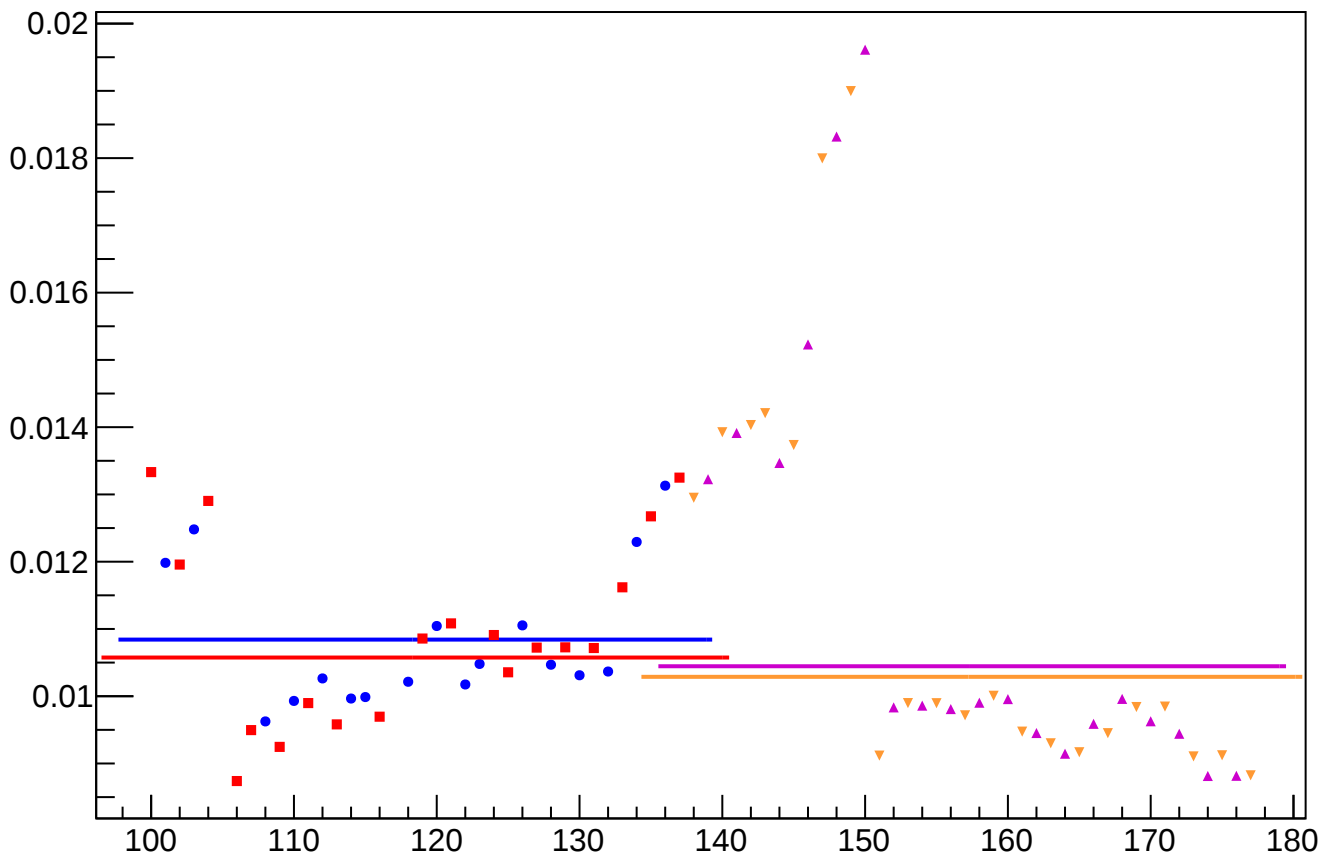
Left In: -2.211 ± 0.000 χ^2/NDF : 2895498307.2/18

+ sign -1.598 ± 0.000 χ^2/NDF : 188902344920.4/37

All: -1.558 ± 0.000 χ^2/NDF : 384866938291.1

- sign -1.516 ± 0.000 χ^2/NDF : 195323739694.7/37

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.010+/-0.000 χ^2/NDF :1243749.8/20

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

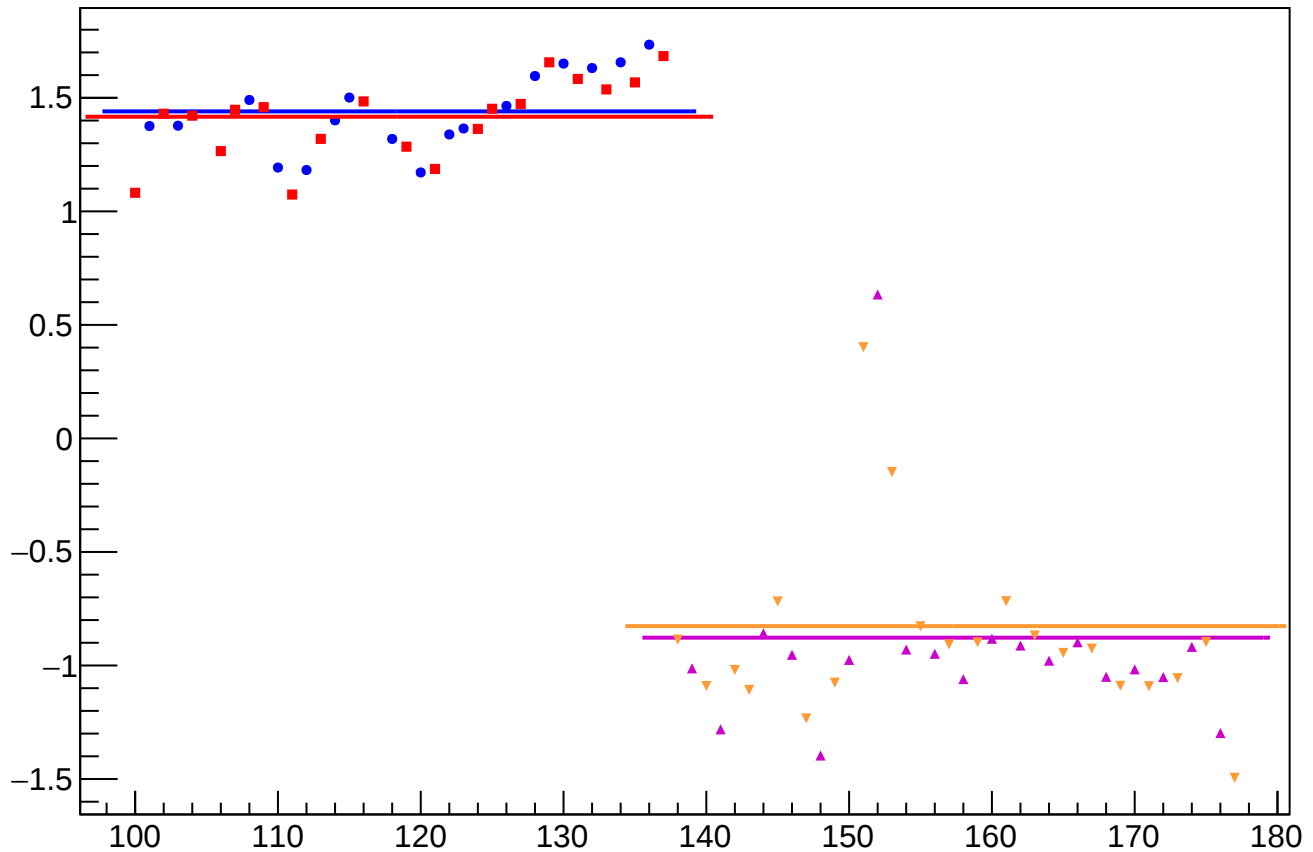
Left In: 0.010+/-0.000 χ^2/NDF :1291358.1/18

+ sign 0.010+/-0.000 χ^2/NDF : 1392782.5/37

All: 0.010+/-0.000 χ^2/NDF : 2864876.7/75

- sign 0.010+/-0.000 χ^2/NDF : 1471739.4/37

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.827 $\pm$ 0.000 χ^2 /NDF: 40727999627.7/20

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

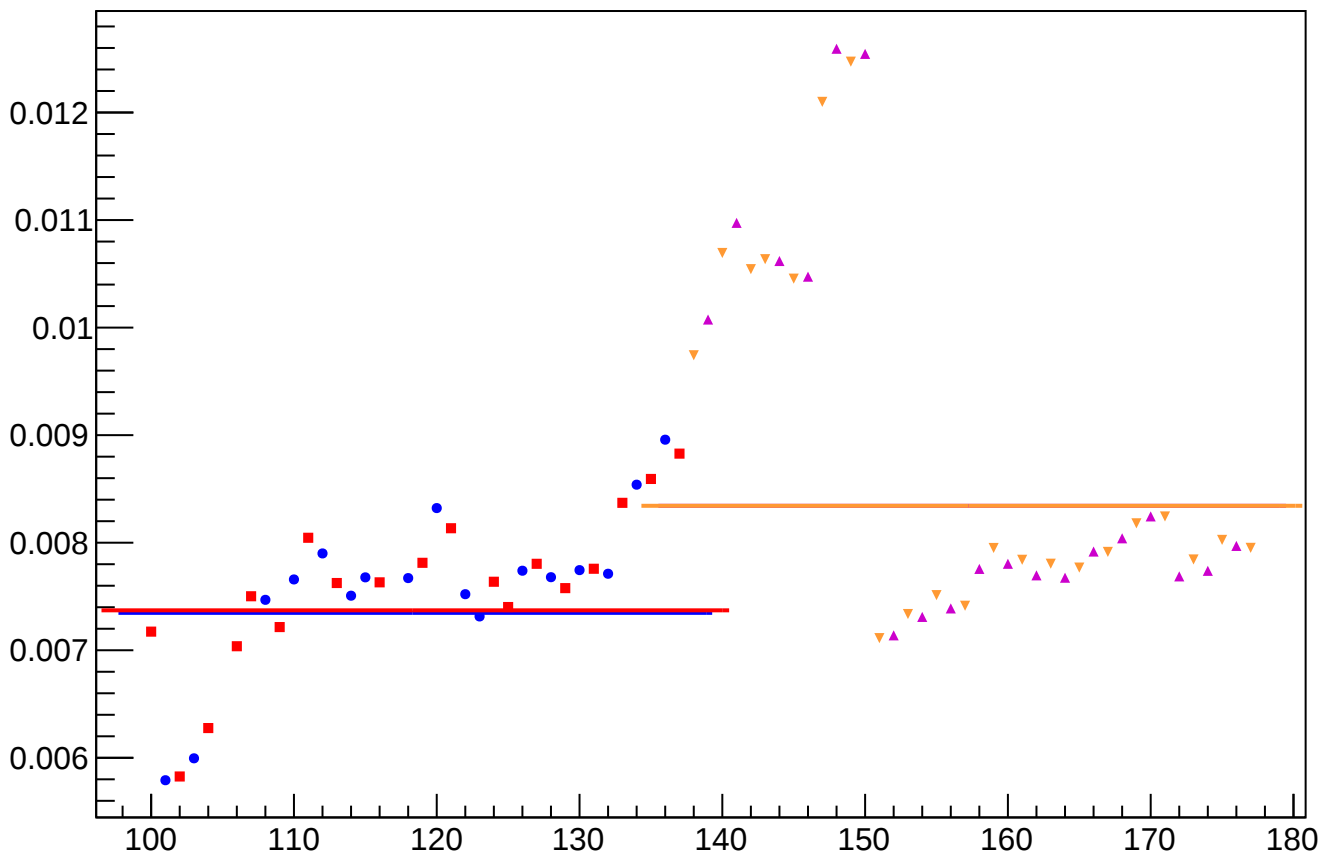
Left In: -0.878 $\pm$ 0.000 χ^2 /NDF: 43476947243.5/18

+ sign -0.018 $\pm$ 0.000 χ^2 /NDF: 447602610650.0/37

All: -0.003 $\pm$ 0.000 χ^2 /NDF: 909845038207.8

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 462082176406.1/37

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 : 756046.8/20

Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

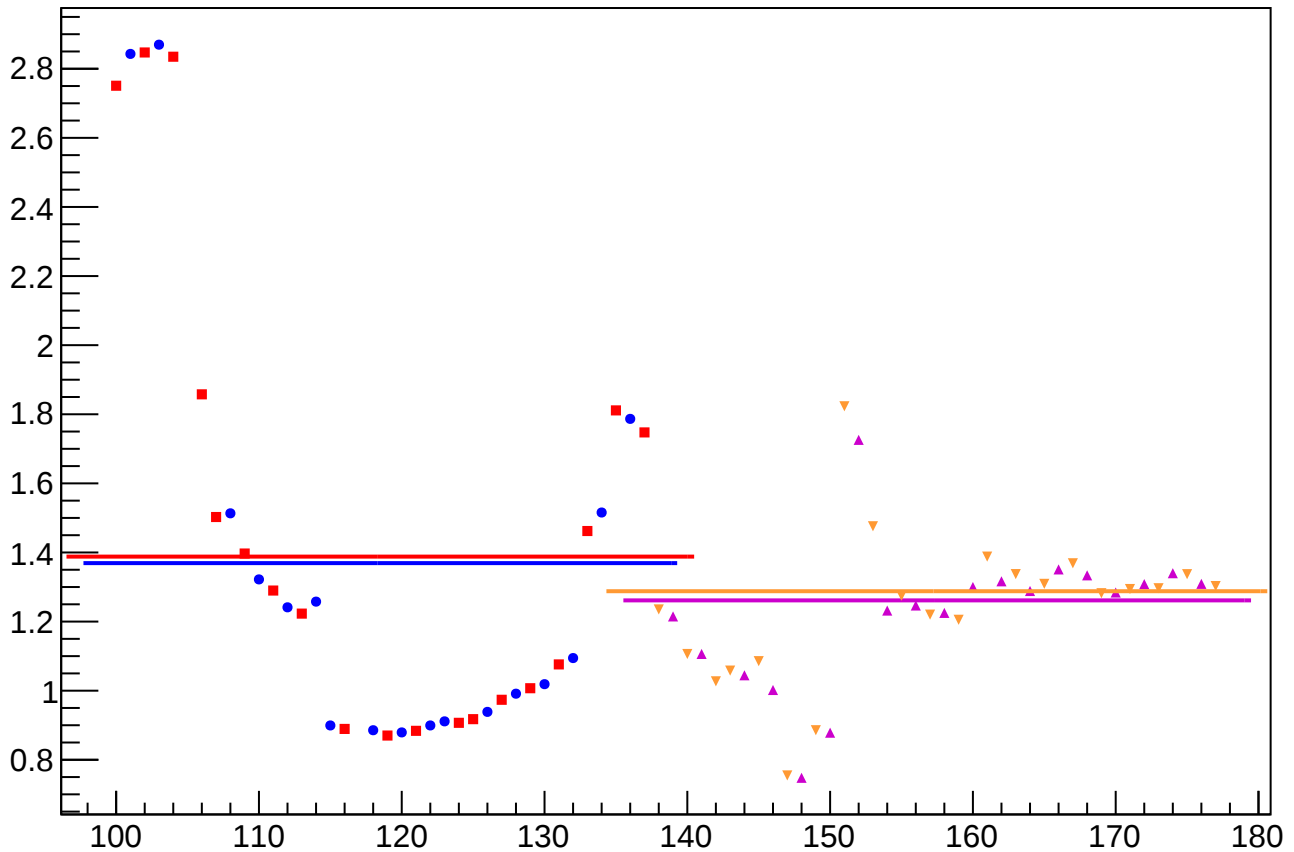
Left In: 0.008+/-0.000 χ^2/NDF : 829958.8/18

+ sign 0.008+/-0.000 χ^2/NDF : 1139765.5/37

All: 0.008+/-0.000 χ^2/NDF : 2291764.2/75

- sign 0.008+/-0.000 χ^2/NDF : 1151829.9/37

yield_bpm1i04X_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.288+/-0.000 χ^2/NDF : 9157570955.0/20

Right Out: 1.388+/-0.000 χ^2/NDF : 49900245868.0/18

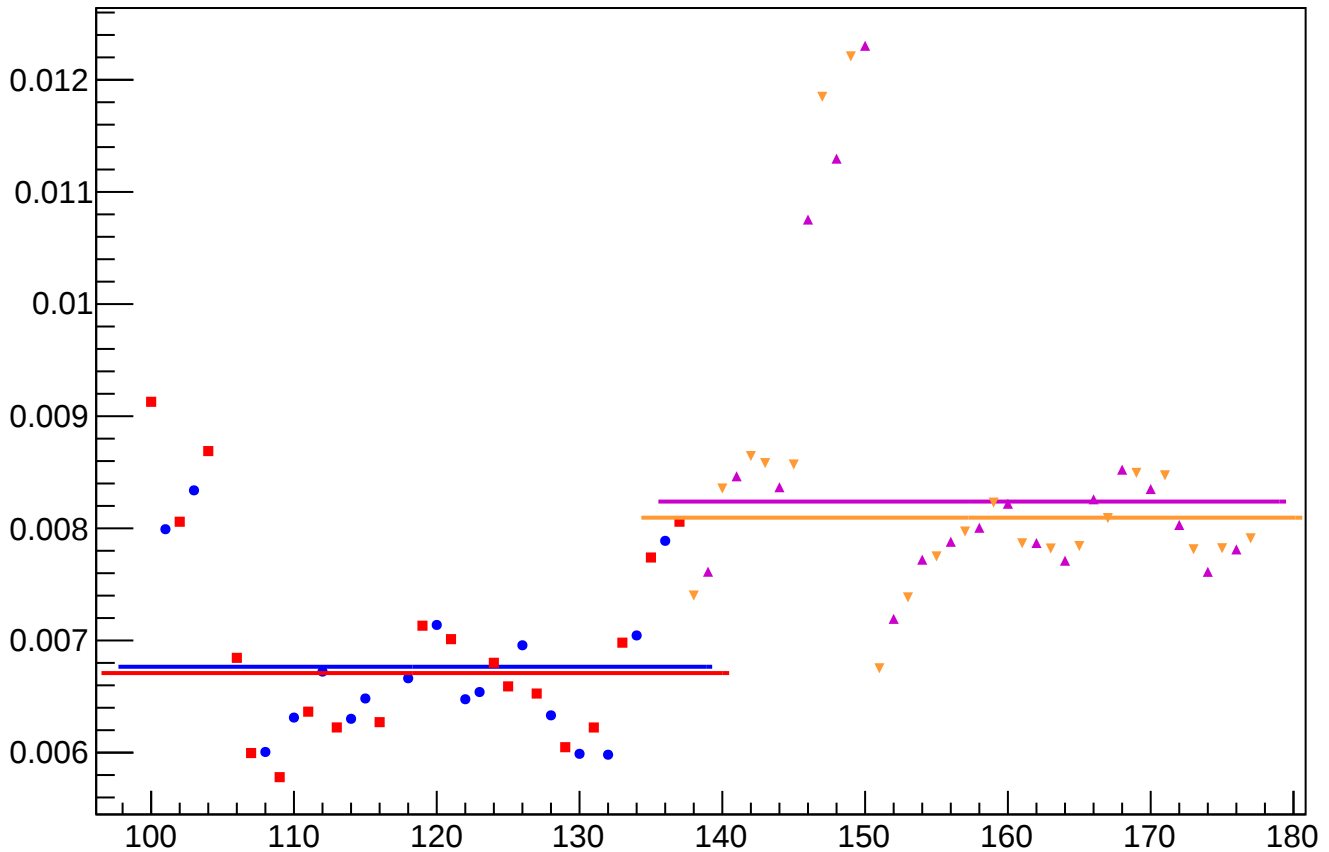
Left In: 1.261+/-0.000 χ^2/NDF : 7402983485.8/18

+ sign 1.319+/-0.000 χ^2/NDF : 63950763266.0/37

All: 1.317+/-0.000 χ^2/NDF : 122683910657.7

- sign 1.316+/-0.000 χ^2/NDF : 58730792813.4/37

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 : 422439.1/20

Right Out: 0.007 ± 0.000 χ^2/NDF : 187826.7/18

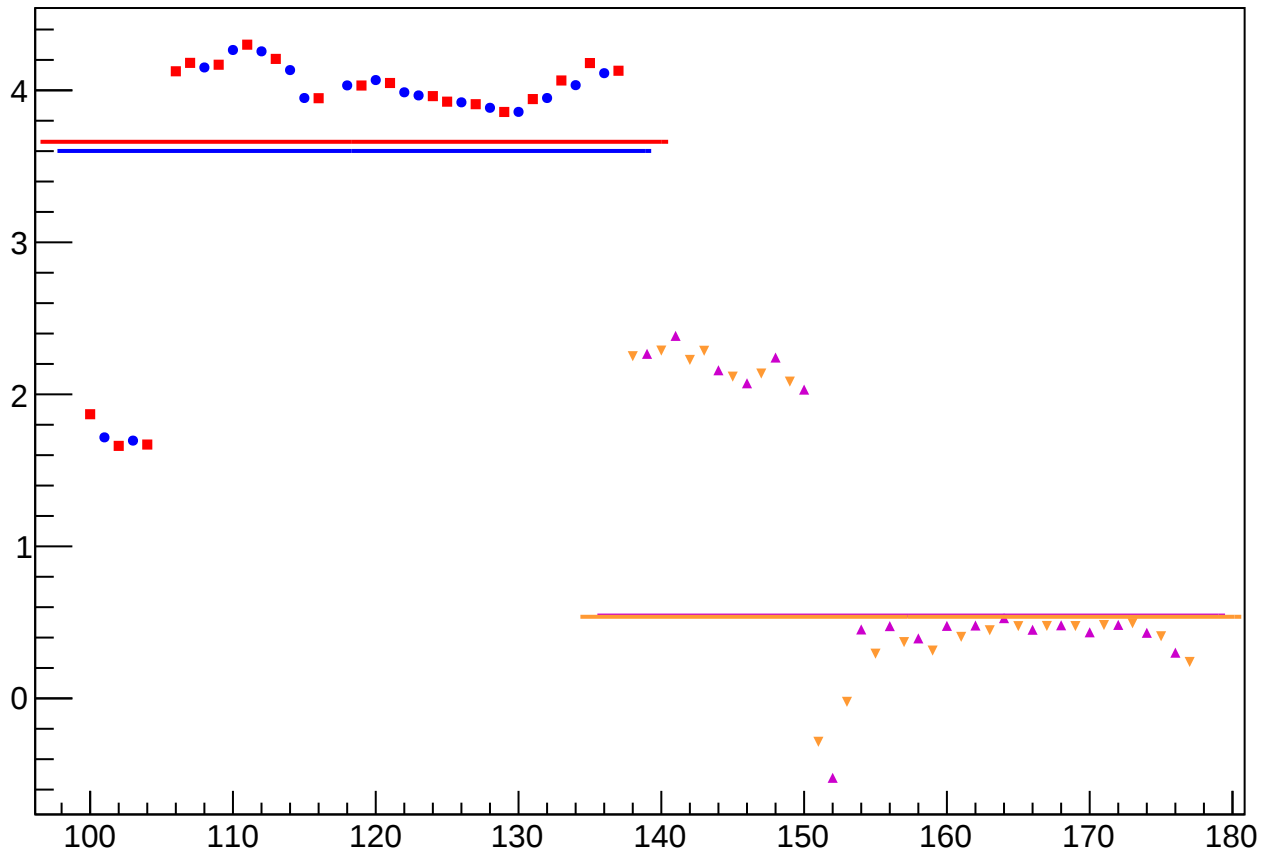
Left In: 0.008 ± 0.000 χ^2/NDF : 446852.9/18

+ sign 0.008 ± 0.000 χ^2/NDF : 896328.8/37

All: 0.008 ± 0.000 χ^2/NDF : 1947059.7/75

- sign 0.008 ± 0.000 χ^2/NDF : 1050730.9/37

yield_bpm1i04Y_mean vs Slug



Right In: 3.601+/-0.000 χ^2/NDF : 185806937655.3/16

Left Out: 0.537+/-0.000 χ^2/NDF : 263207760764.0/20

Right Out: 3.661+/-0.000 χ^2/NDF : 192519897222.5/18

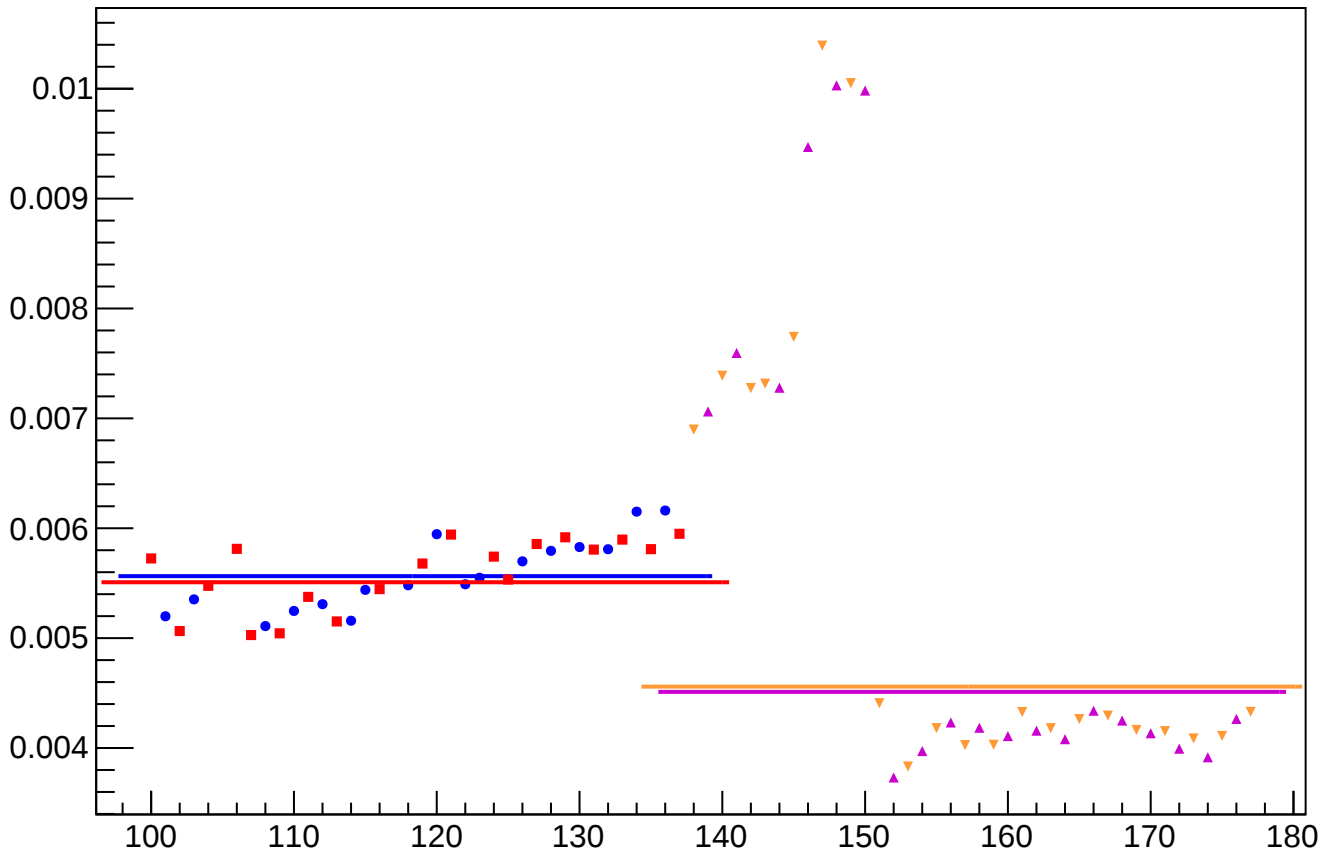
Left In: 0.545+/-0.000 χ^2/NDF : 258348446591.0/18

+ sign 1.274+/-0.000 χ^2/NDF : 1988666949553.0/37

All: 1.319+/-0.000 χ^2/NDF : 4084045283753.0/74

- sign 1.365+/-0.000 χ^2/NDF : 2091751233702.8/37

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 : 2021000.7/20

Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

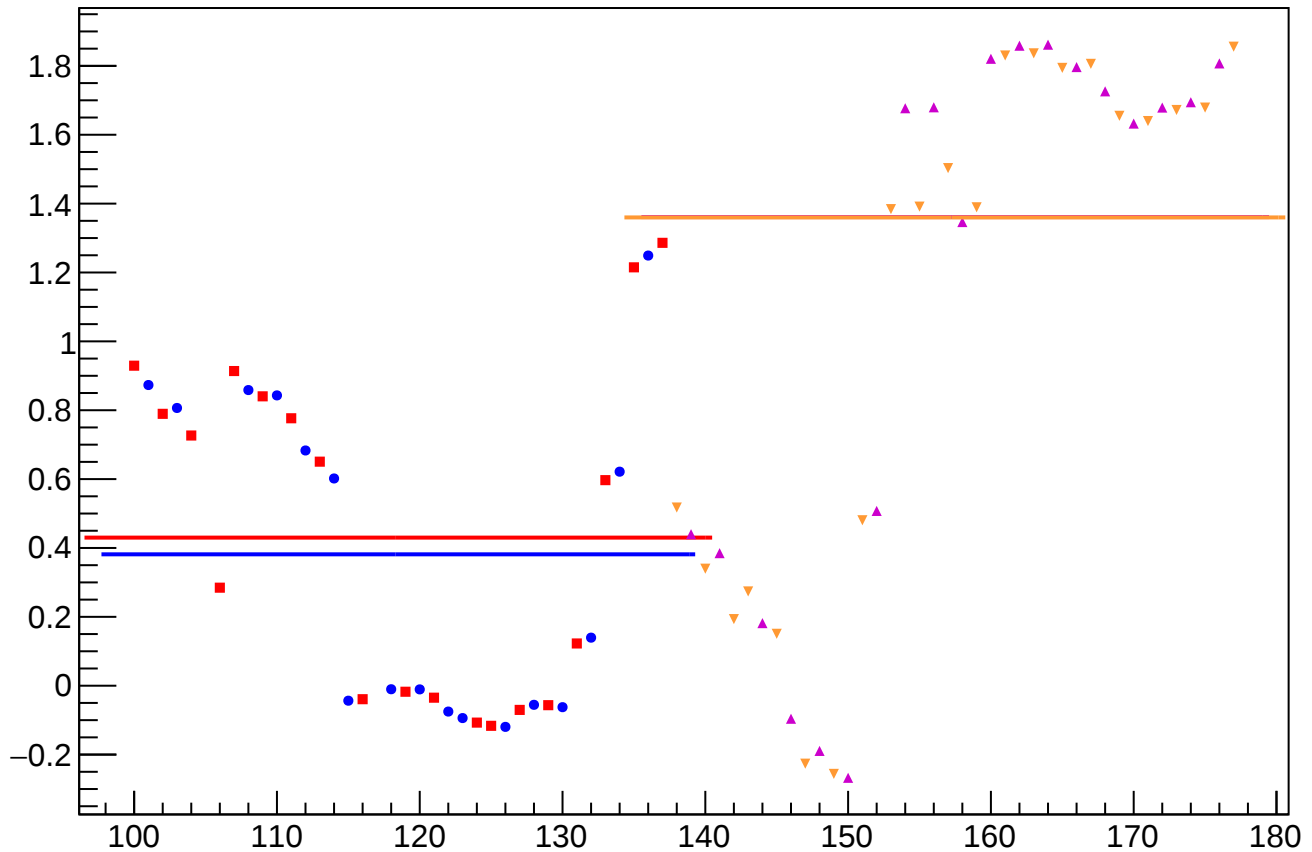
Left In: 0.005+/-0.000 χ^2/NDF : 2221786.9/18

+ sign 0.005+/-0.000 χ^2/NDF : 2400063.5/37

All: 0.005+/-0.000 χ^2/NDF : 5011499.3/75

- sign 0.005+/-0.000 χ^2/NDF : 2610773.8/37

yield_bpm1i06X_mean vs Slug



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 7124759123.1/16

Left Out: 1.360 $\pm$ 0.000 χ^2 /NDF: 44982615839.4/20

Right Out: 0.430 $\pm$ 0.000 χ^2 /NDF: 6676199135.9/18

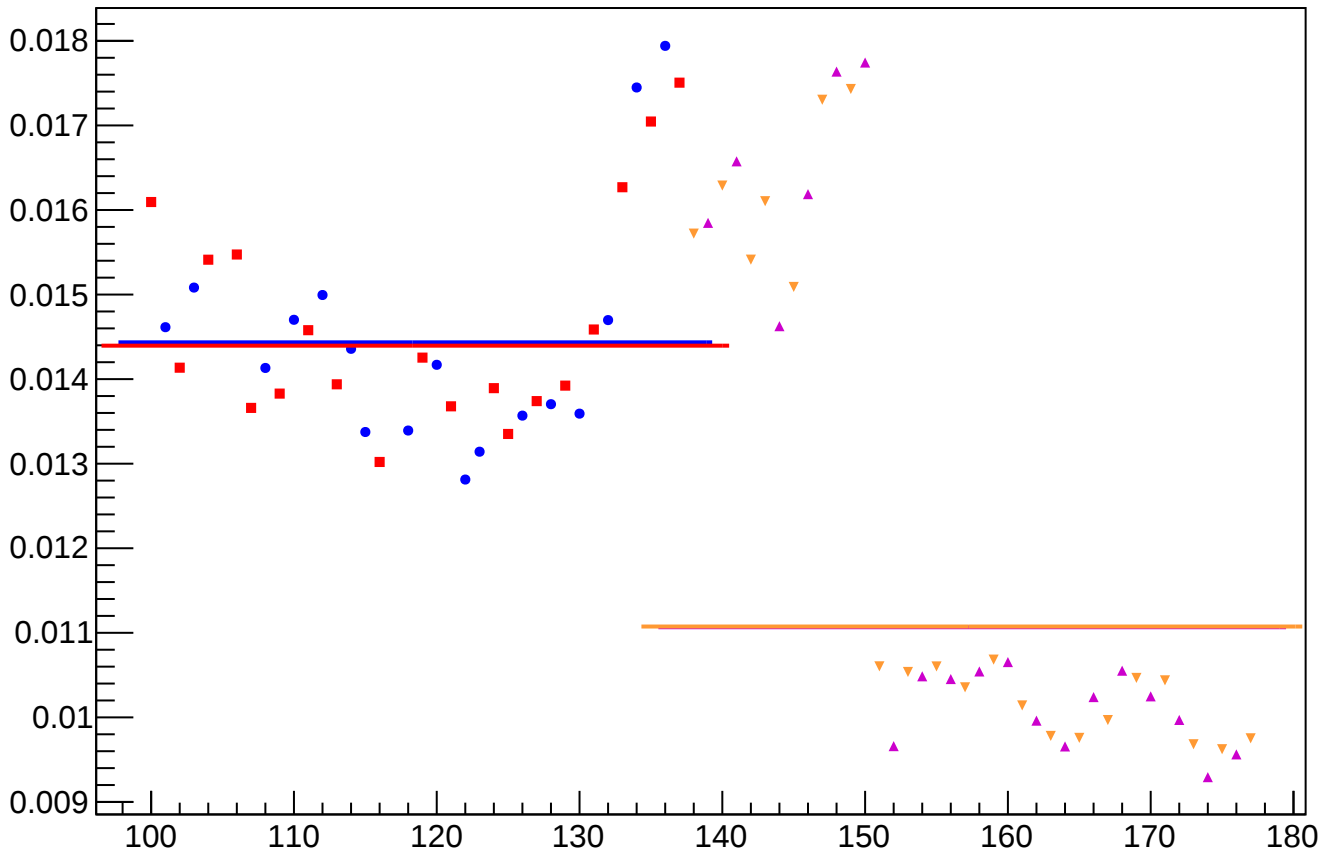
Left In: 1.361 $\pm$ 0.000 χ^2 /NDF: 49022524024.5/18

+ sign 1.158 $\pm$ 0.000 χ^2 /NDF: 76253061295.9/37

All: 1.153 $\pm$ 0.000 χ^2 /NDF: 154373014445.7

- sign 1.149 $\pm$ 0.000 χ^2 /NDF: 78113501036.1/37

yield_bpm1i06X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 110224.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:1206326.0/20

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 74531.6/18

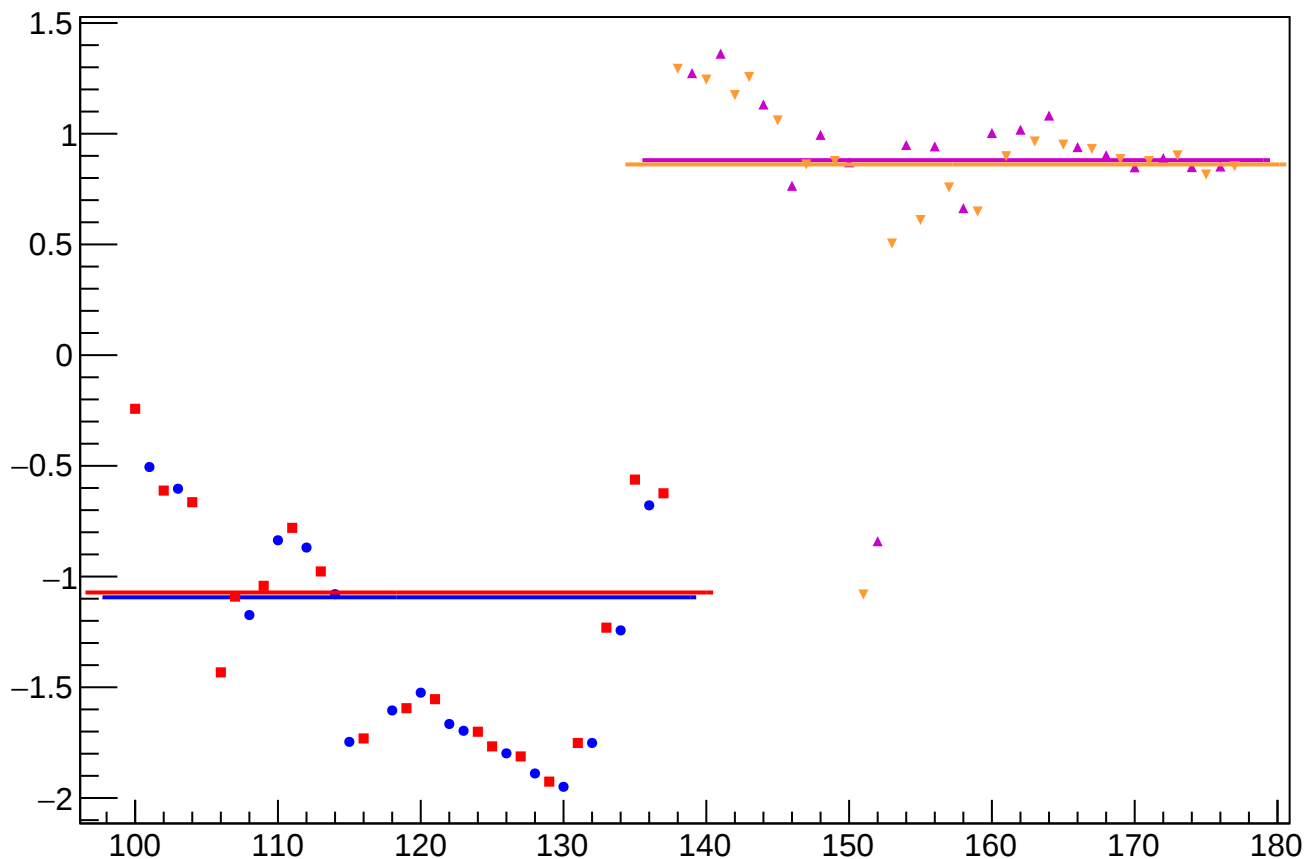
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:1252442.1/18

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1886352.6/37

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3787361.6/75

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1900516.0/37

yield_bpm1i06Y_mean vs Slug



Right In: -1.094+/-0.000 χ^2 /NDF: 55960104370.4/16

Left Out: 0.861+/-0.000 χ^2 /NDF:125042078716.8/20

Right Out: -1.072+/-0.000 χ^2 /NDF: 46896017480.0/18

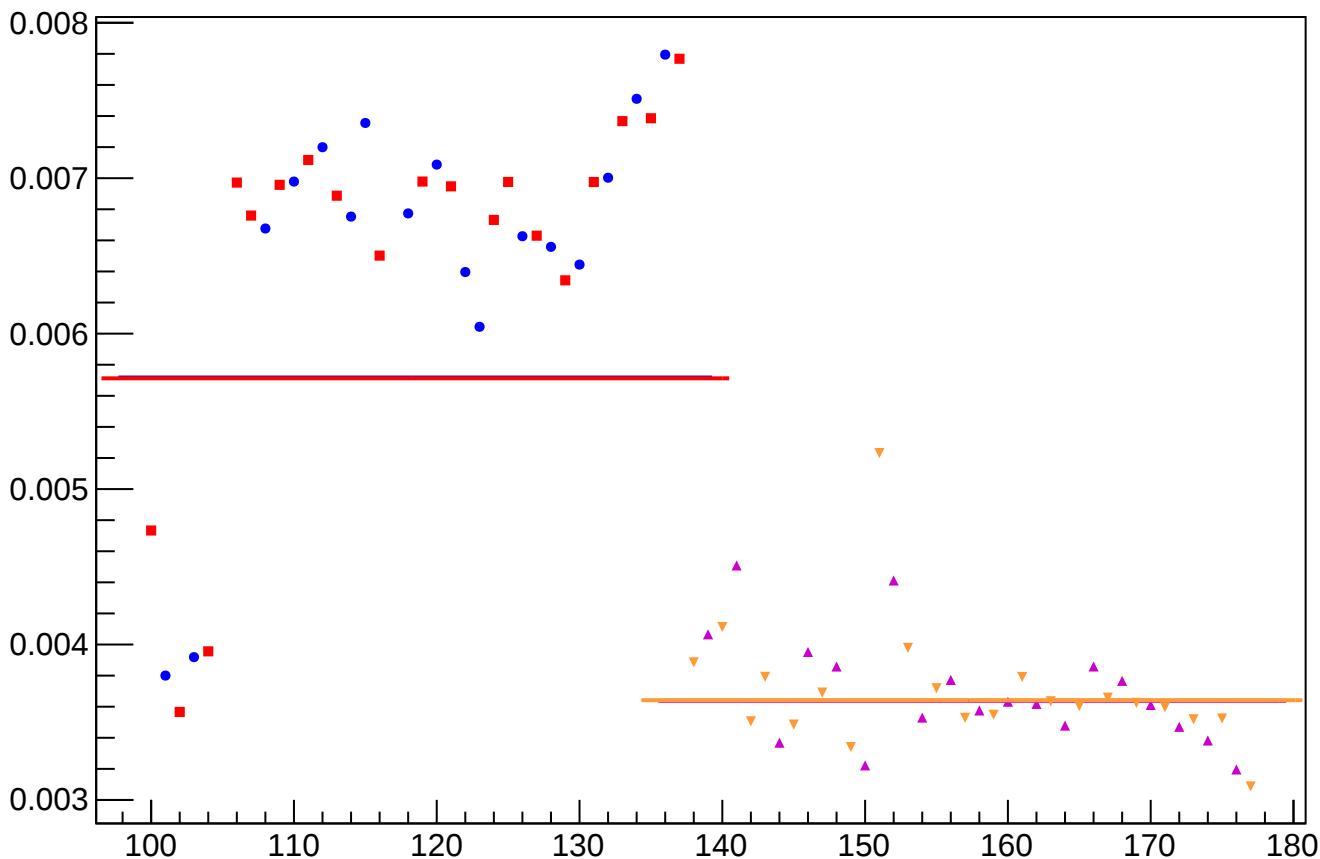
Left In: 0.881+/-0.000 χ^2 /NDF:145933123110.2/18

+ sign 0.579+/-0.000 χ^2 /NDF: 775067241690.3/37

All: 0.575+/-0.000 χ^2 /NDF: 1573552939905.

- sign 0.570+/-0.000 χ^2 /NDF: 798439392591.5/37

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 837775.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:221595.8/20

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 923899.1/18

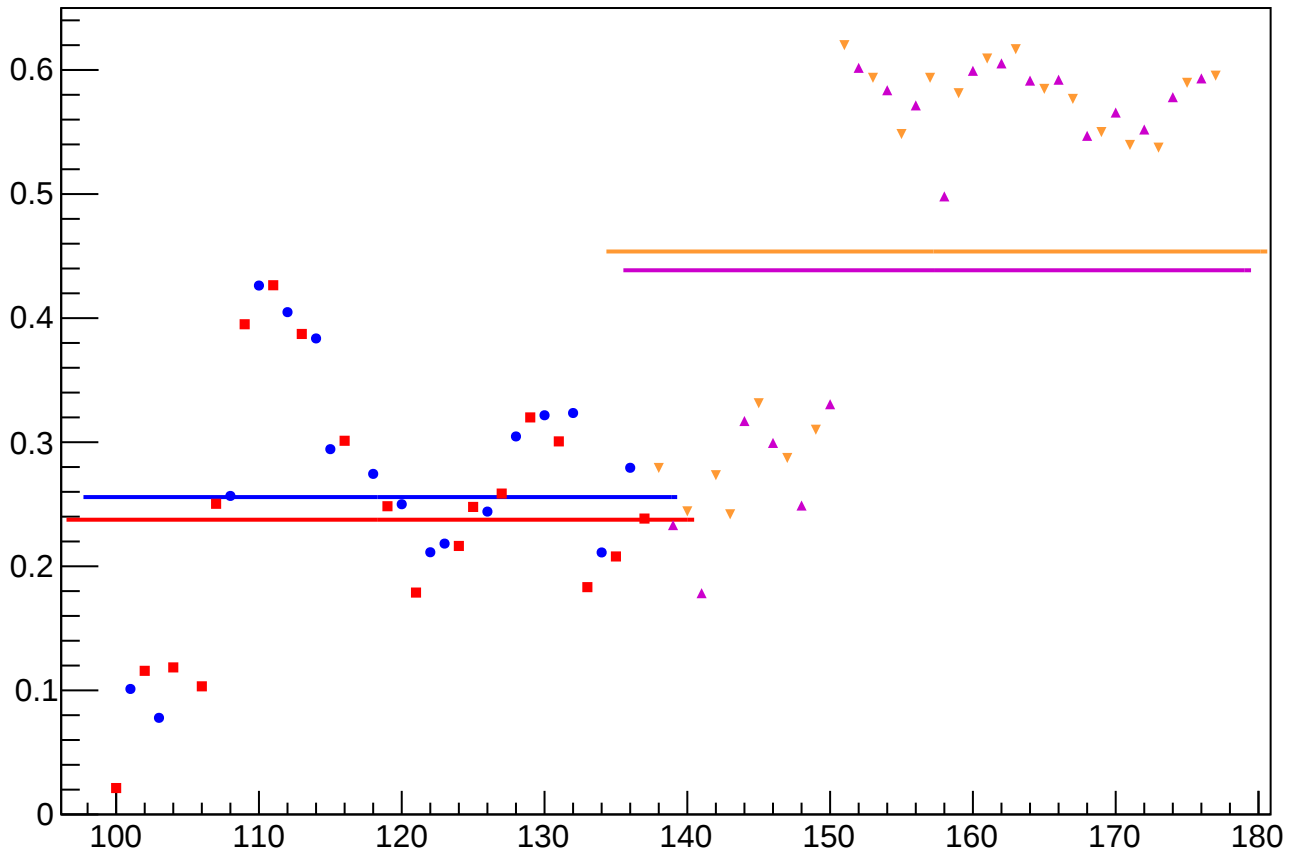
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:216188.0/18

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2399005.5/37

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4907648.0/75

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2507812.9/37

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.454+/-0.000 χ^2/NDF : 94157330751.2/20

Right Out: 0.238+/-0.000 χ^2/NDF : 26057284646.9/18

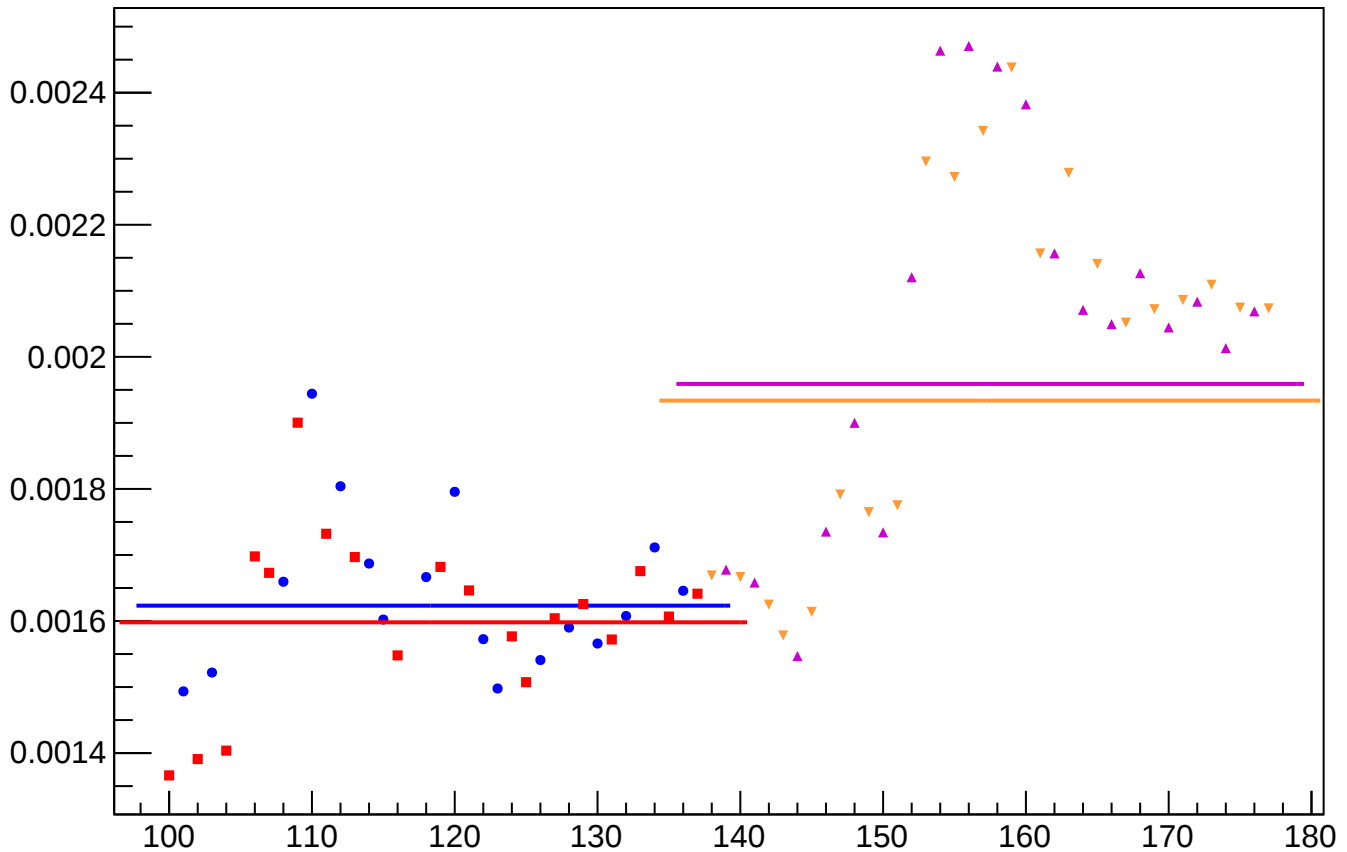
Left In: 0.439+/-0.000 χ^2/NDF : 91471295613.2/18

+ sign 0.380+/-0.000 χ^2/NDF : 175571946544.0/37

All: 0.367+/-0.000 χ^2/NDF : 358685007521.1

- sign 0.353+/-0.000 χ^2/NDF : 180795263497.7/37

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 : 569124.2/20

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

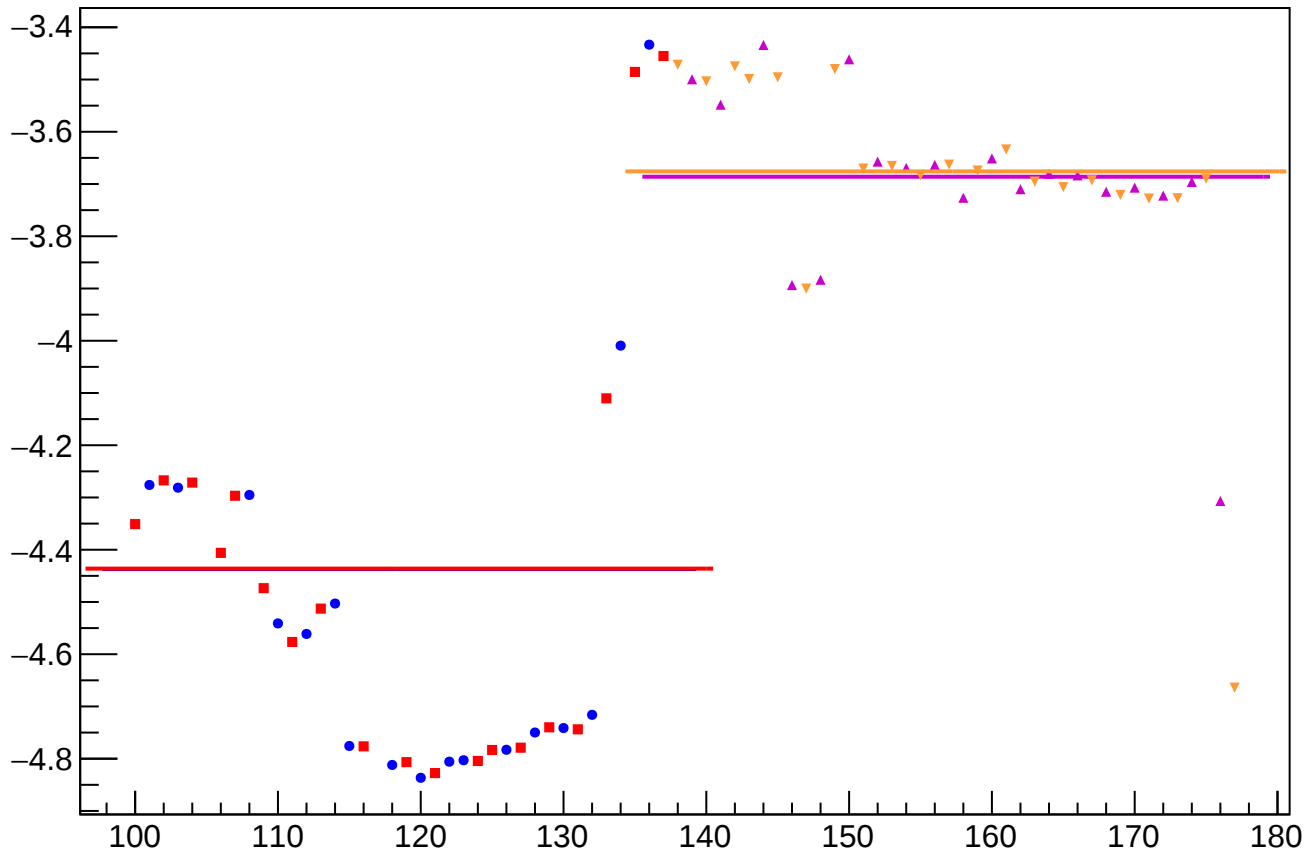
Left In: 0.002+/-0.000 χ^2/NDF : 569117.3/18

+ sign 0.002+/-0.000 χ^2/NDF : 917069.5/37

All: 0.002+/-0.000 χ^2/NDF : 1985842.8/75

- sign 0.002+/-0.000 χ^2/NDF : 1067784.3/37

yield_bpm2i01Y_mean vs Slug



Right In: -4.437 $\pm$ 0.000 χ^2 /NDF: 392812415429.0/16

Left Out: -3.676 $\pm$ 0.000 χ^2 /NDF:194501219354.3/20

Right Out: -4.436 $\pm$ 0.000 χ^2 /NDF: 325183860699.4/18

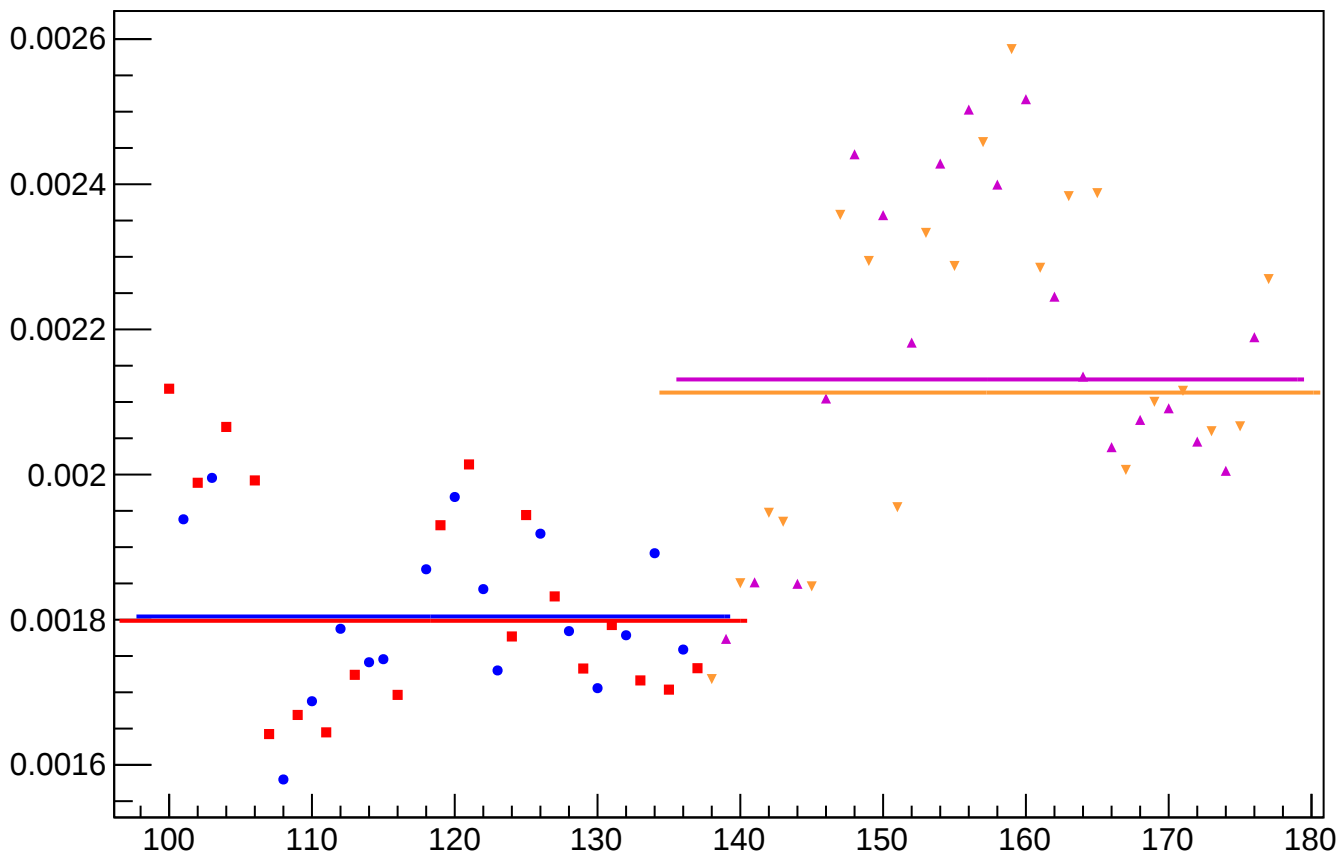
Left In: -3.686 $\pm$ 0.000 χ^2 /NDF:107832792389.2/18

+ sign -3.956 $\pm$ 0.000 χ^2 /NDF: 1318706226060.8/3

All: -3.972 $\pm$ 0.000 χ^2 /NDF: 2467537346914

- sign -3.989 $\pm$ 0.000 χ^2 /NDF: 1145996631028.1/3

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 :351927.7/20

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

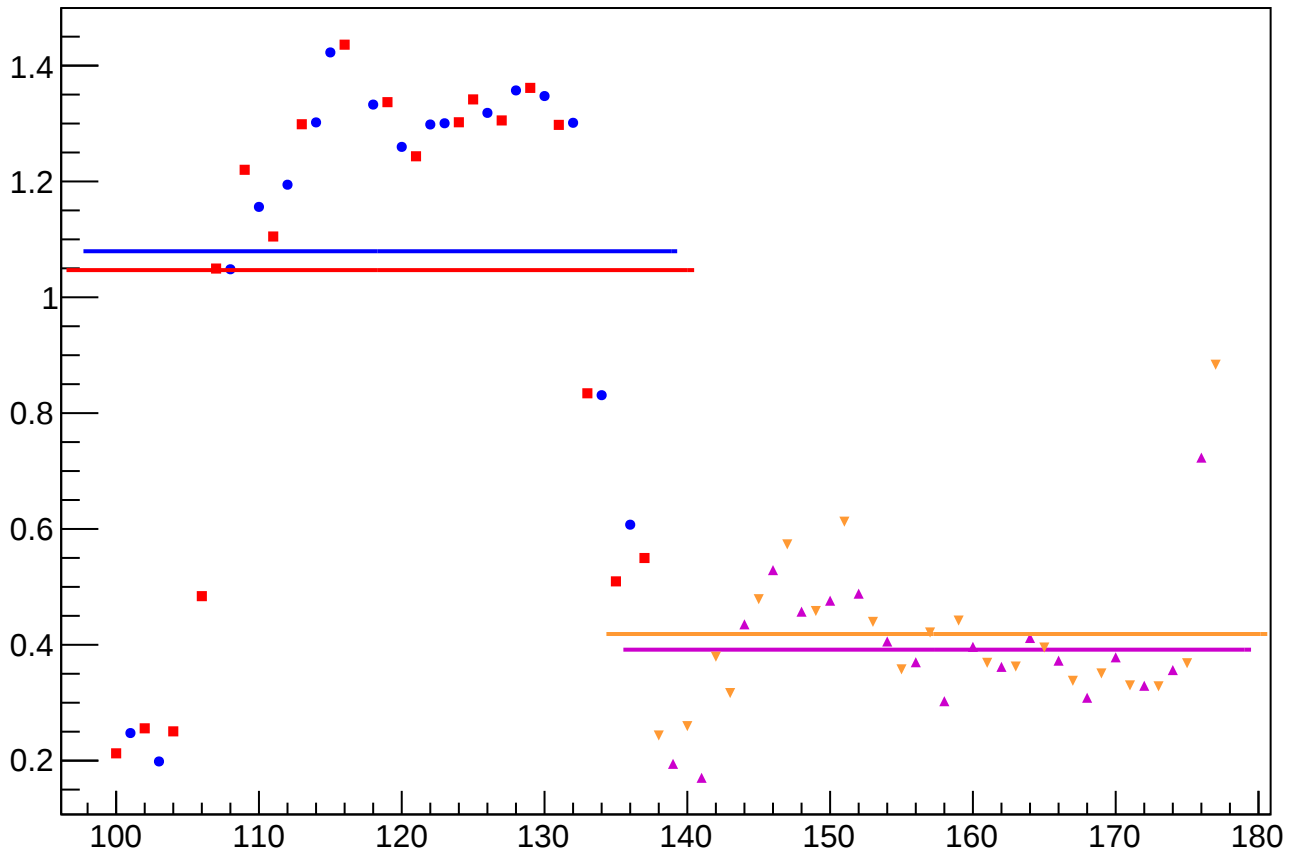
Left In: 0.002+/-0.000 χ^2/NDF :306199.4/18

+ sign 0.002+/-0.000 χ^2/NDF : 641377.7/37

All: 0.002+/-0.000 χ^2/NDF : 1308839.5/75

- sign 0.002+/-0.000 χ^2/NDF : 667429.6/37

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.419 $\pm$ 0.000 χ^2 /NDF: 3787336896.2/20

+ sign 0.684 $\pm$ 0.000 χ^2 /NDF: 53259358677.0/37

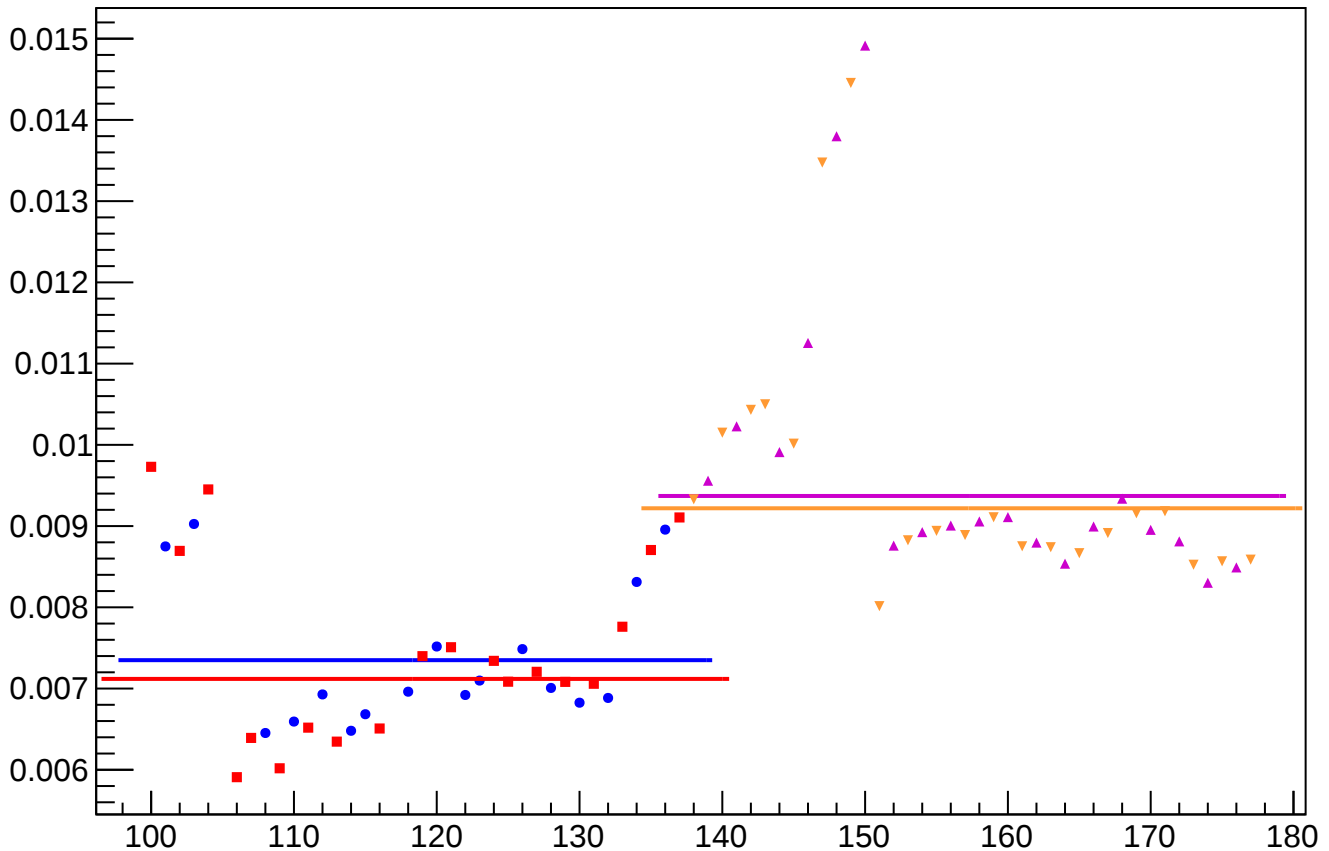
Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

All: 0.688 $\pm$ 0.000 χ^2 /NDF: 107290327503.6

Left In: 0.392 $\pm$ 0.000 χ^2 /NDF: 2299104602.1/18

- sign 0.692 $\pm$ 0.000 χ^2 /NDF: 54022737778.2/37

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 : 505404.9/20

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

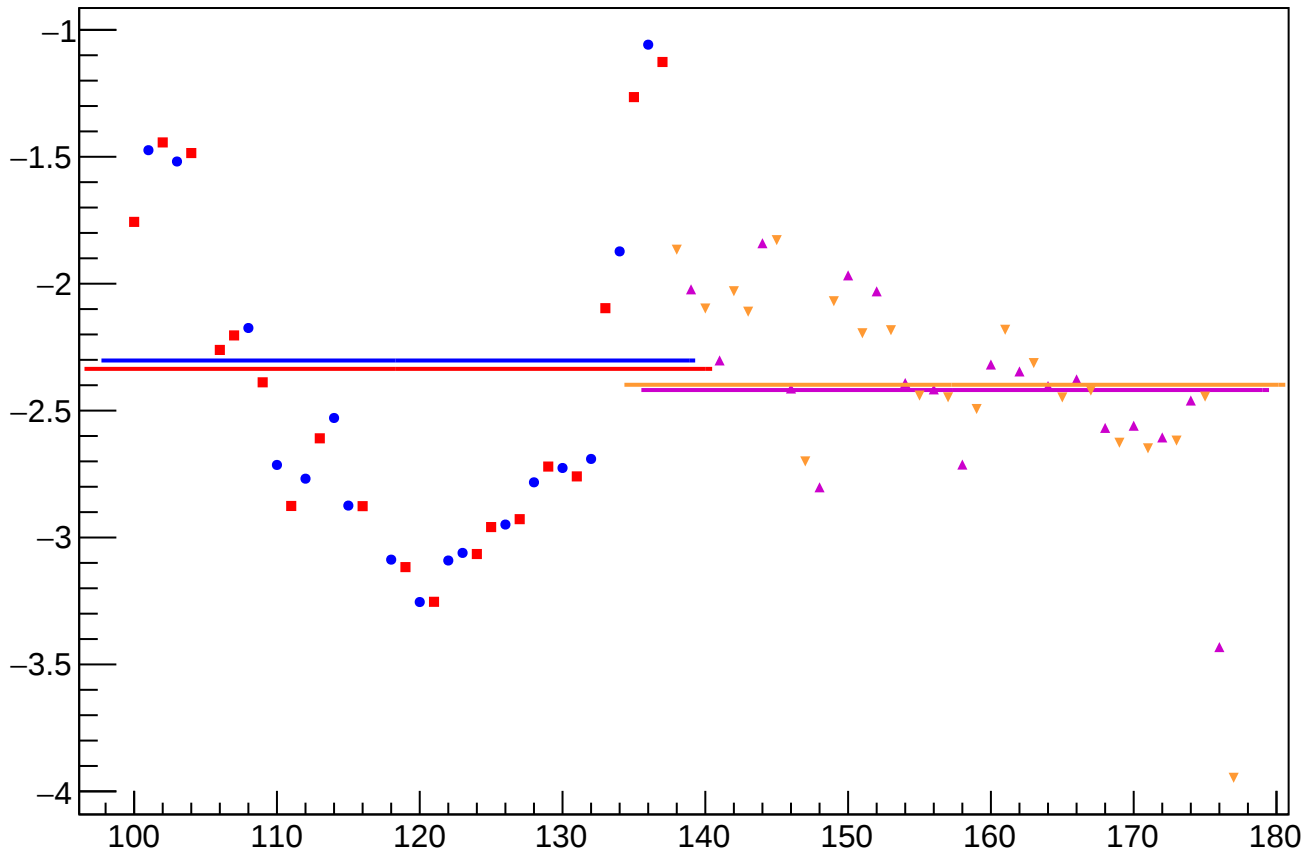
Left In: 0.009+/-0.000 χ^2/NDF : 552062.9/18

+ sign 0.008+/-0.000 χ^2/NDF : 1197586.0/37

All: 0.008+/-0.000 χ^2/NDF : 2770432.8/75

- sign 0.008+/-0.000 χ^2/NDF : 1567883.4/37

yield_bpm2i02Y_mean vs Slug



Right In: -2.303 ± 0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.398 ± 0.000 χ^2/NDF : 37994089460.1/20

Right Out: -2.336 ± 0.000 χ^2/NDF : 64499162456.4/18

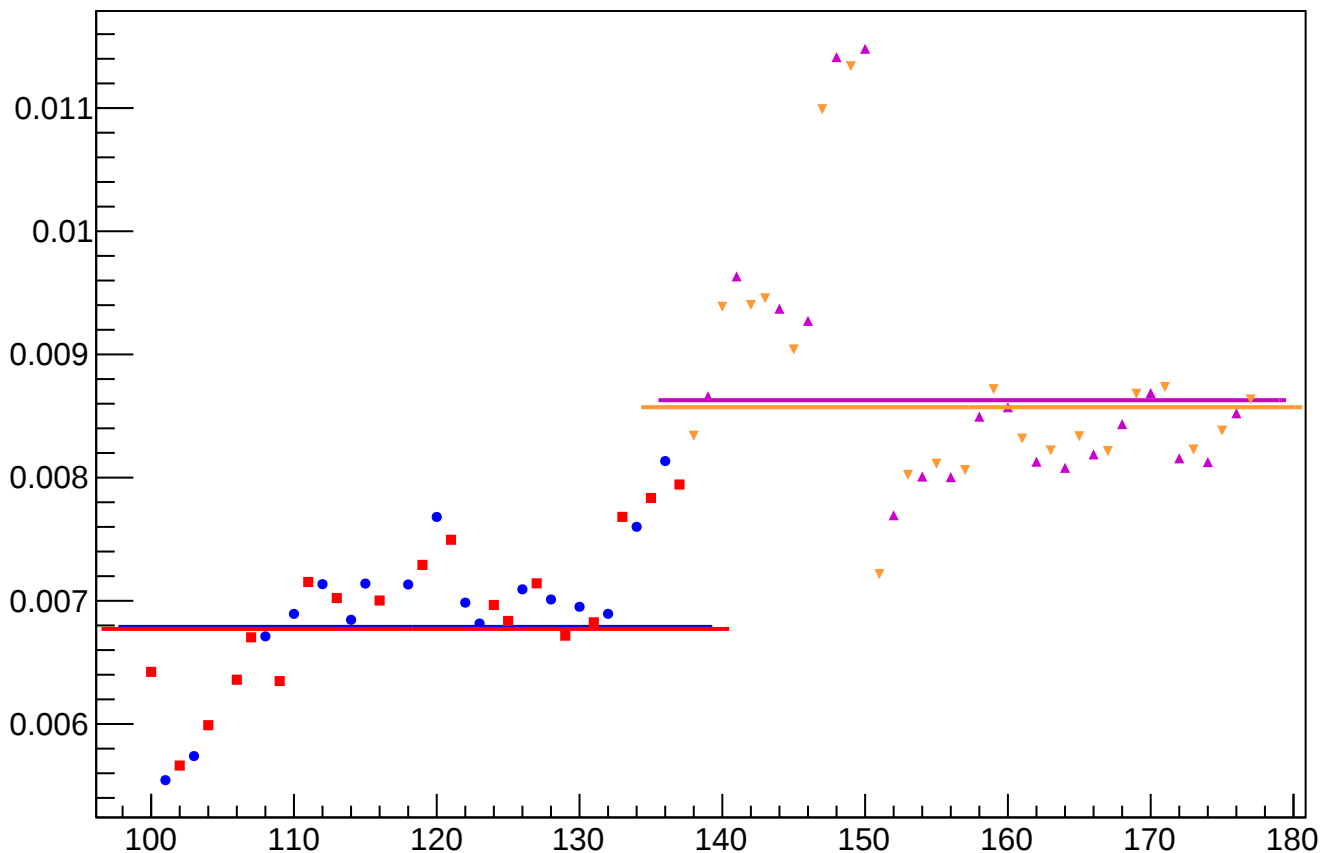
Left In: -2.419 ± 0.000 χ^2/NDF : 21556401849.6/18

+ sign -2.360 ± 0.000 χ^2/NDF : 112534736808.9/37

All: -2.371 ± 0.000 χ^2/NDF : 199277205109.4

- sign -2.382 ± 0.000 χ^2/NDF : 86652782322.5/37

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 294045.9/20

Right Out: 0.007+/-0.000 χ^2/NDF : 123244.0/18

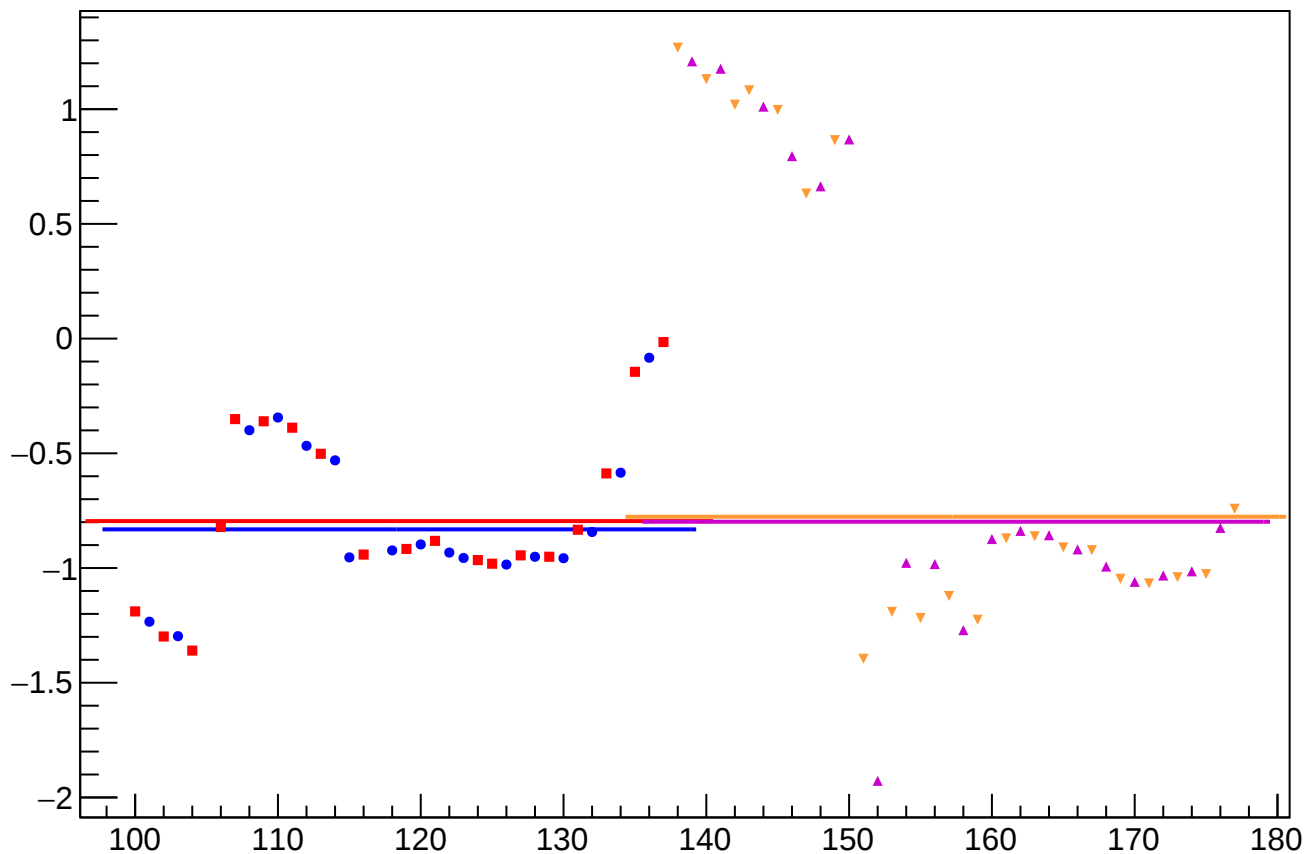
Left In: 0.009+/-0.000 χ^2/NDF : 309272.0/18

+ sign 0.008+/-0.000 χ^2/NDF : 1005148.2/37

All: 0.008+/-0.000 χ^2/NDF : 2030362.9/75

- sign 0.008+/-0.000 χ^2/NDF : 1024568.4/37

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.776 ± 0.000 χ^2/NDF : 118480470233.1/20

Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

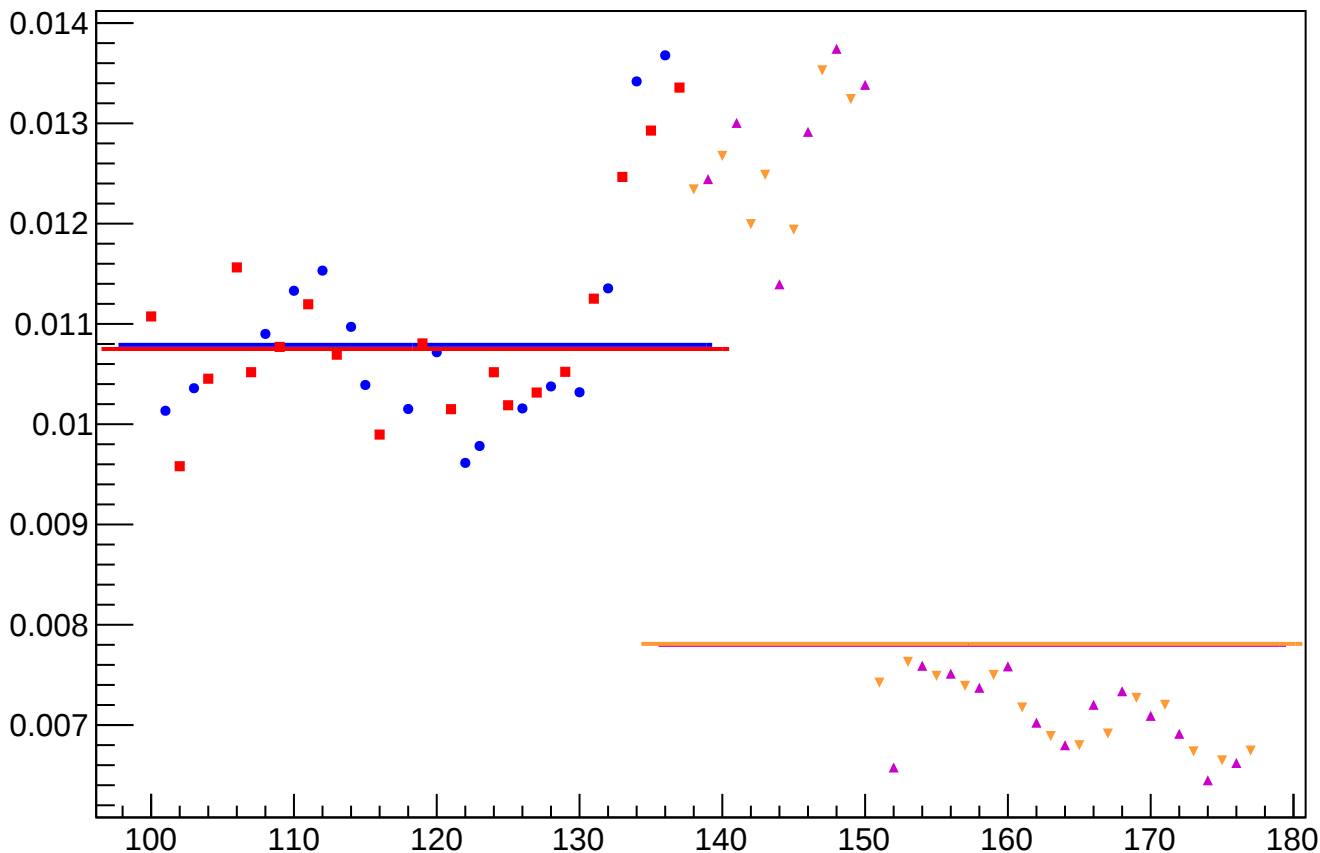
Left In: -0.798 ± 0.000 χ^2/NDF : 123371260470.0/18

+ sign -0.787 ± 0.000 χ^2/NDF : 125310740185.3/37

All: -0.792 ± 0.000 χ^2/NDF : 256520728467.0

- sign -0.798 ± 0.000 χ^2/NDF : 131193363047.8/37

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.008+/-0.000 χ^2/NDF :1675606.6/20

Right Out: 0.011+/-0.000 χ^2/NDF : 90220.8/18

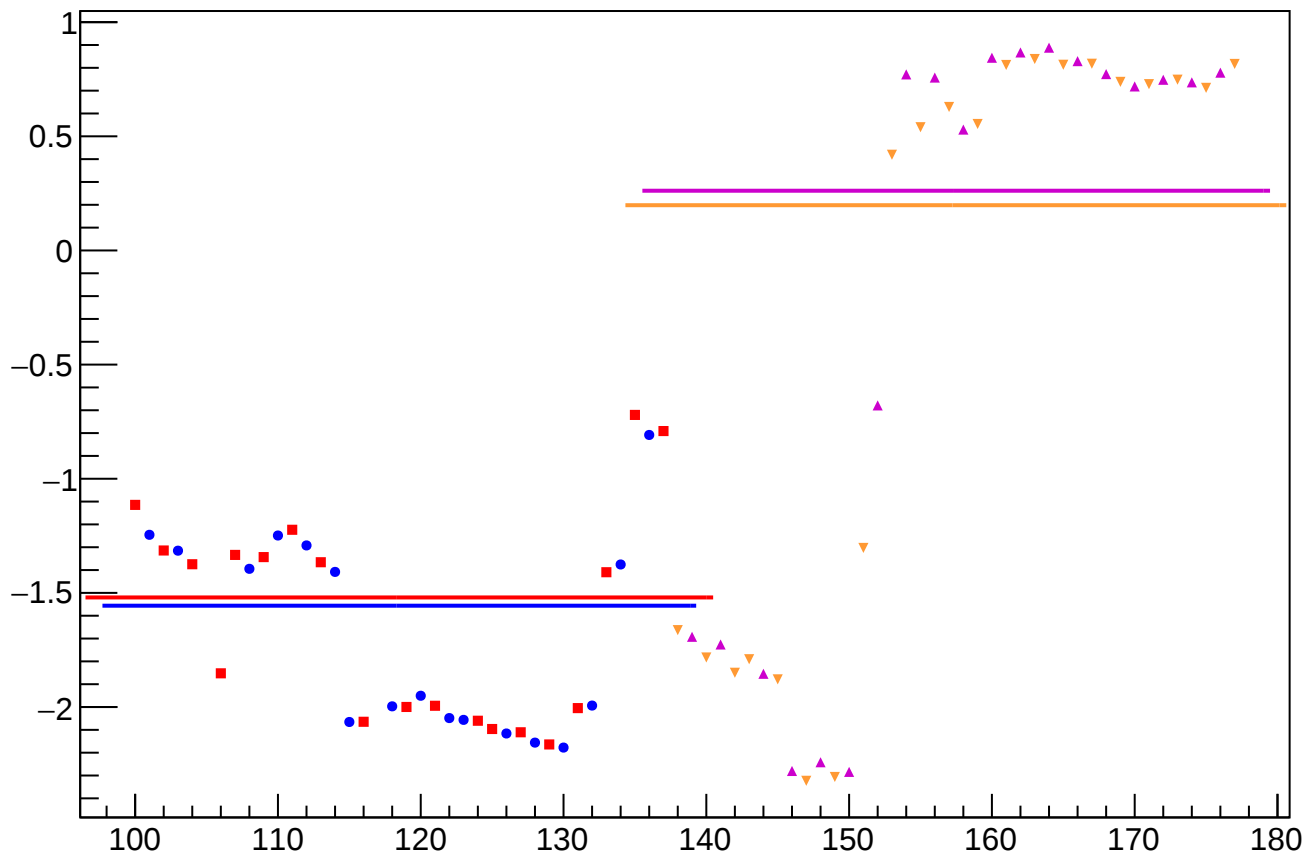
Left In: 0.008+/-0.000 χ^2/NDF :1722361.9/18

+ sign 0.008+/-0.000 χ^2/NDF : 2613764.7/37

All: 0.008+/-0.000 χ^2/NDF : 5246074.2/75

- sign 0.008+/-0.000 χ^2/NDF : 2631684.9/37

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: 0.198+/-0.000 χ^2/NDF : 2424395657865.4/20

Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

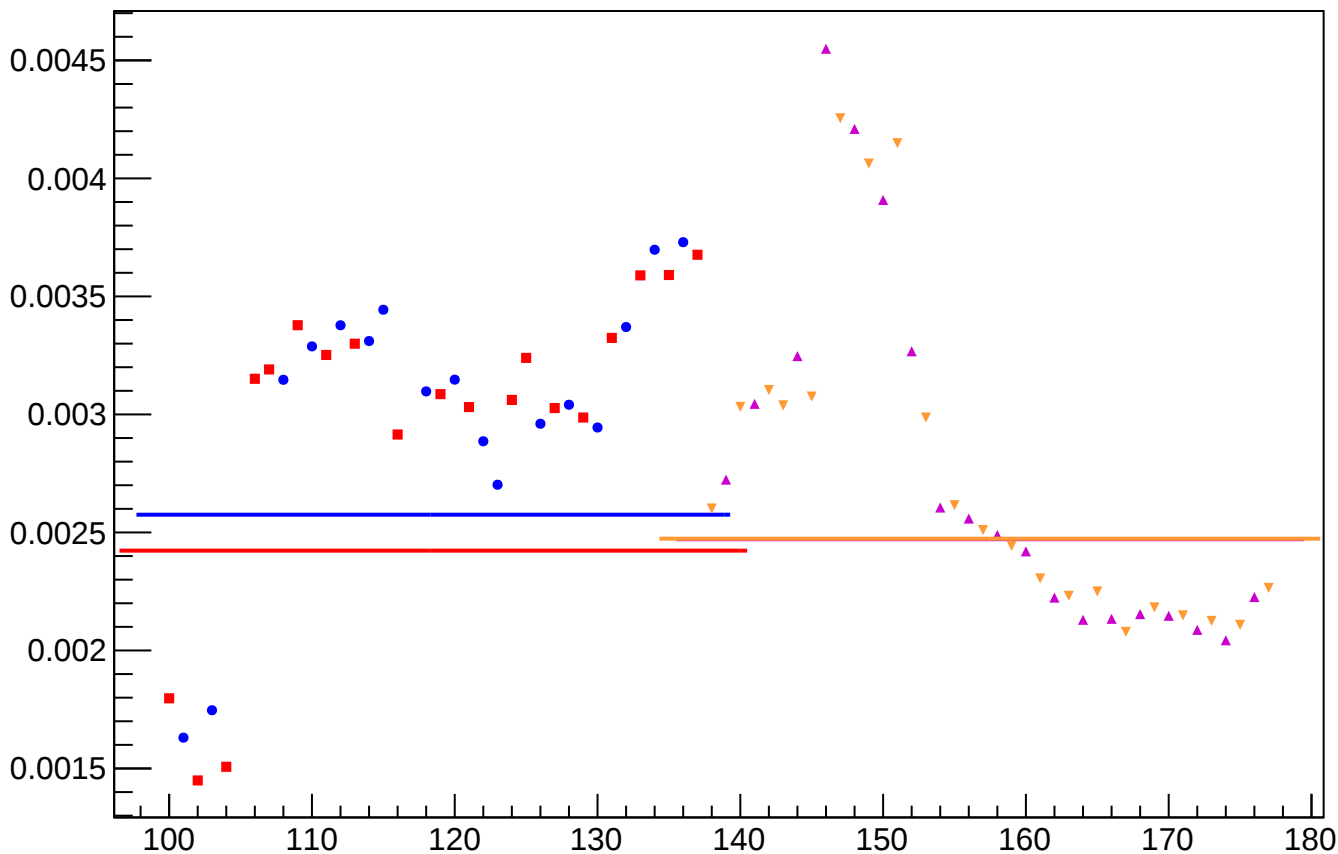
Left In: 0.262+/-0.000 χ^2/NDF : 2180654256051.5/18

+ sign -0.284+/-0.000 χ^2/NDF : 4484215941707.2/3

All: -0.294+/-0.000 χ^2/NDF : 8895095162734

- sign -0.305+/-0.000 χ^2/NDF : 4410205313903.3/3

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.002+/-0.000 χ^2/NDF :1057268.3/20

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

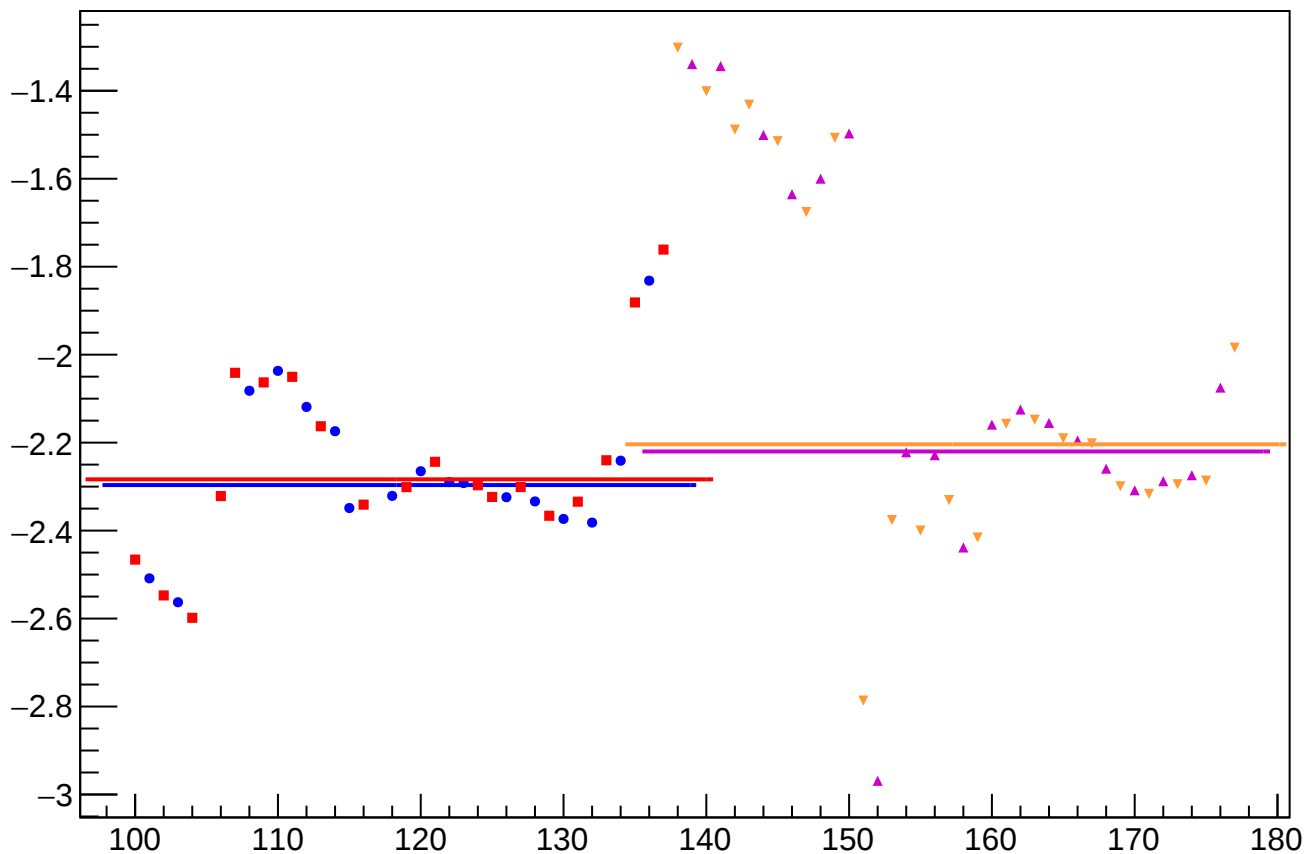
Left In: 0.002+/-0.000 χ^2/NDF :1131474.8/18

+ sign 0.003+/-0.000 χ^2/NDF : 2083892.0/37

All: 0.002+/-0.000 χ^2/NDF : 4714958.8/75

- sign 0.002+/-0.000 χ^2/NDF : 2624692.5/37

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.204+/-0.000 χ^2/NDF : 55039429693.8/20

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

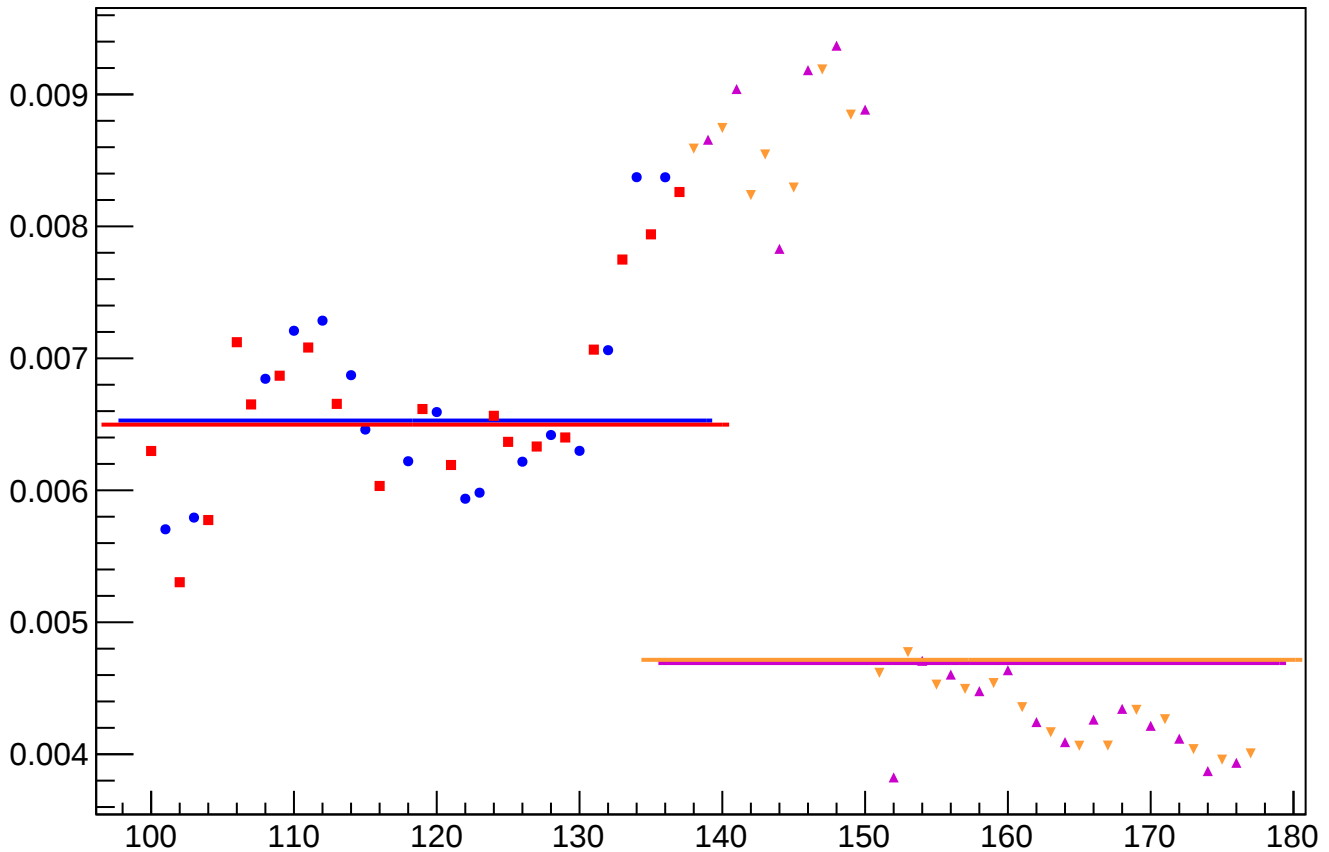
Left In: -2.220+/-0.000 χ^2/NDF : 67997292636.7/18

+ sign -2.222+/-0.000 χ^2/NDF : 61873384212.6/37

All: -2.228+/-0.000 χ^2/NDF : 136981094993.8

- sign -2.234+/-0.000 χ^2/NDF : 75052696755.7/37

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 : 2270803.4/20

Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

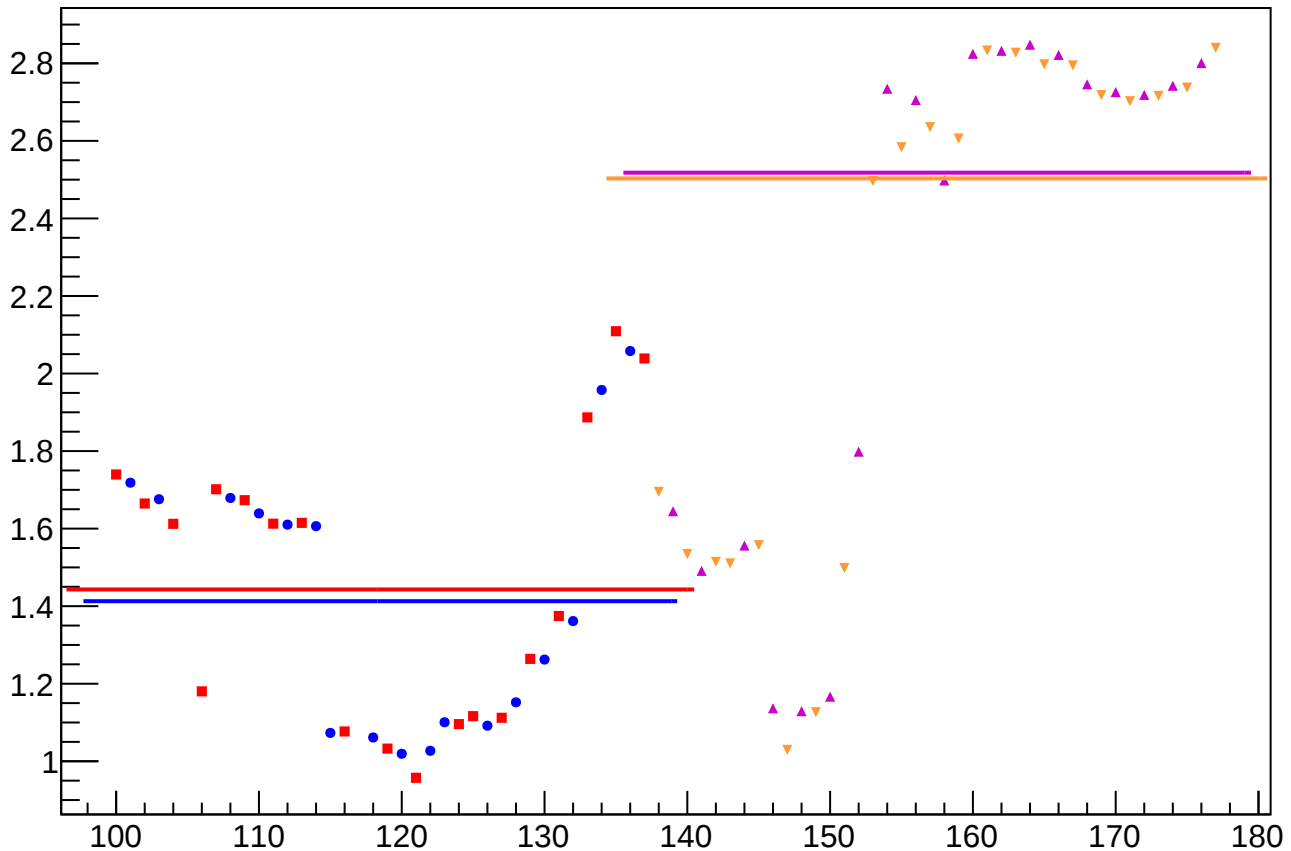
Left In: 0.005+/-0.000 χ^2/NDF : 2330732.1/18

+ sign 0.005+/-0.000 χ^2/NDF : 3252405.0/37

All: 0.005+/-0.000 χ^2/NDF : 6572052.4/75

- sign 0.005+/-0.000 χ^2/NDF : 3319530.3/37

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.503+/-0.000 χ^2/NDF : 253163598176.1/20

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

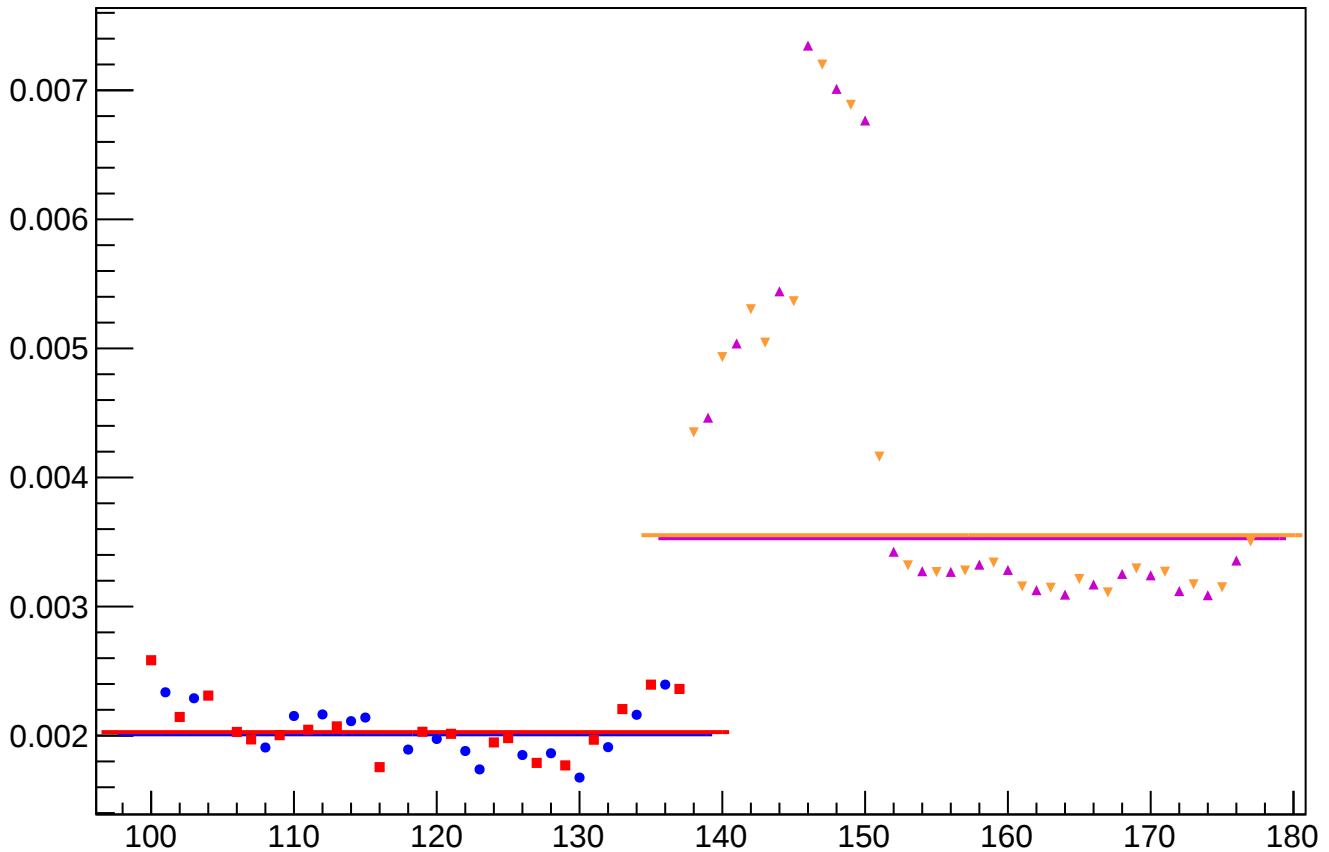
Left In: 2.518+/-0.000 χ^2/NDF : 245374074738.6/18

+ sign 1.875+/-0.000 χ^2/NDF : 1194893447692.0/37

All: 1.873+/-0.000 χ^2/NDF : 2338723935085.

- sign 1.871+/-0.000 χ^2/NDF : 1143806331504.3/37

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 :1350501.1/20

Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

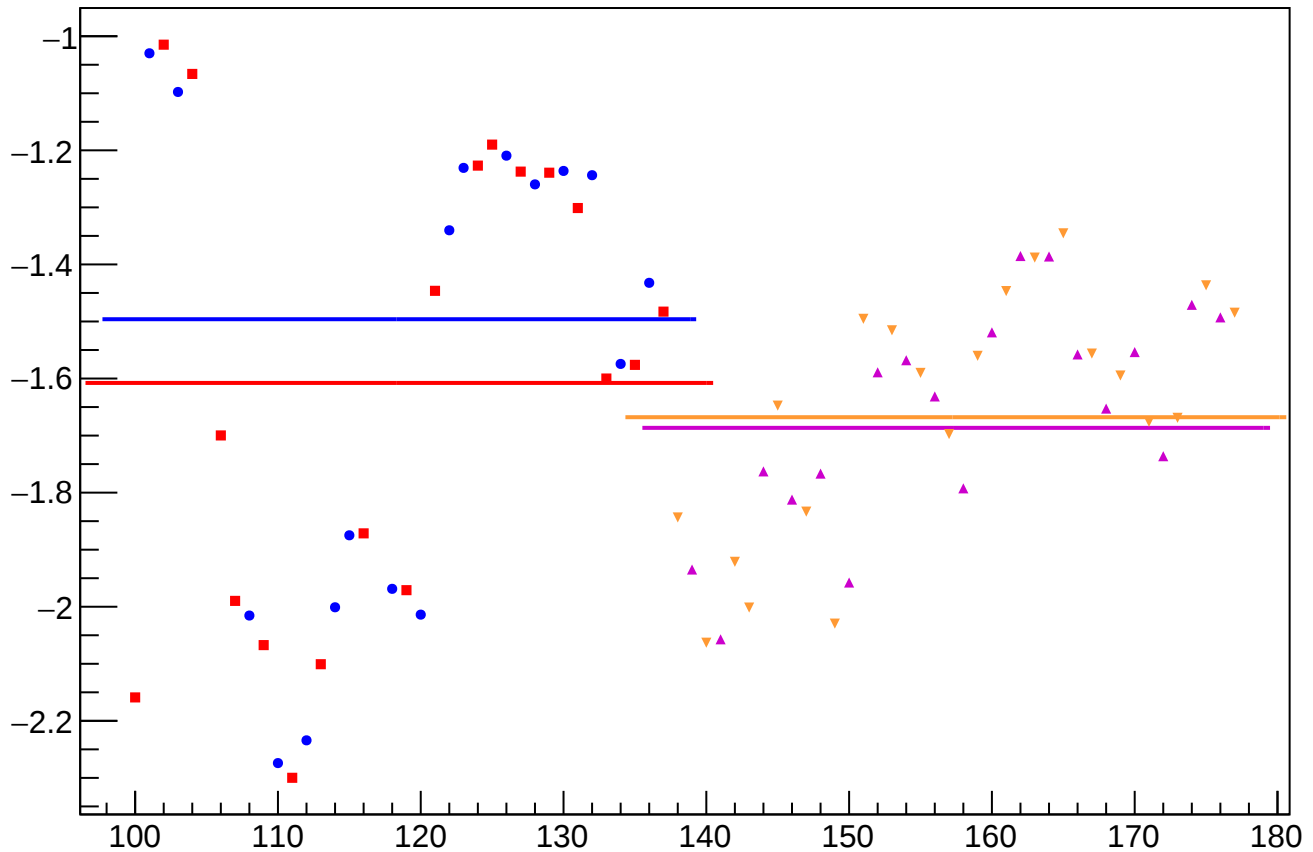
Left In: 0.004+/-0.000 χ^2/NDF :1535829.5/18

+ sign 0.003+/-0.000 χ^2/NDF : 4582394.0/37

All: 0.003+/-0.000 χ^2/NDF : 9059084.8/75

- sign 0.003+/-0.000 χ^2/NDF : 4472634.4/37

yield_bpm0l01X_mean vs Slug



Right In: -1.496 ± 0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.668 ± 0.000 χ^2/NDF : 17508422059.4/20

Right Out: -1.608 ± 0.000 χ^2/NDF : 27836461057.4/18

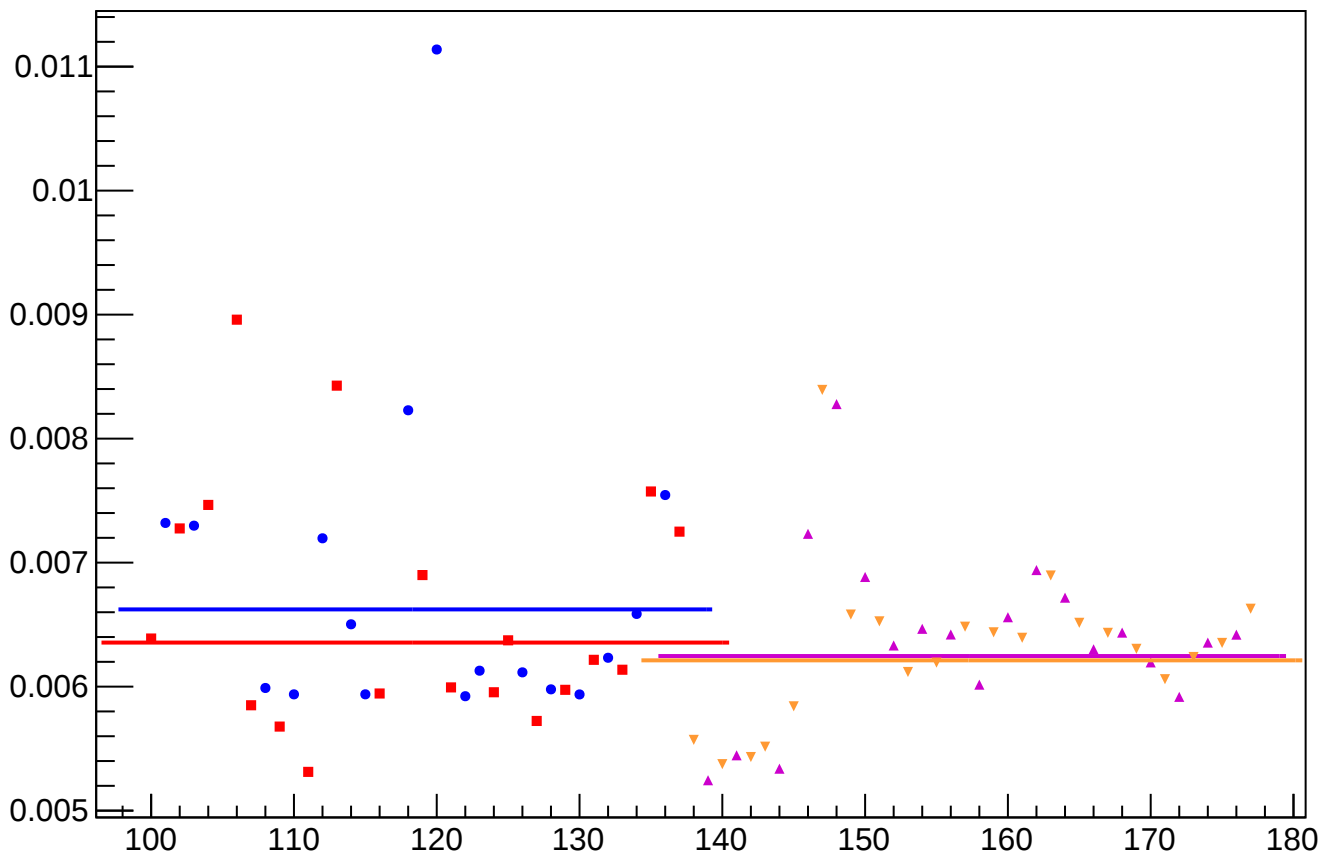
Left In: -1.686 ± 0.000 χ^2/NDF : 12908597309.2/18

+ sign -1.623 ± 0.000 χ^2/NDF : 43049899999.3/37

All: -1.642 ± 0.000 χ^2/NDF : 84885169560.4/37

- sign -1.662 ± 0.000 χ^2/NDF : 41437254597.2/37

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 234568.3/20

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 227861.1/18

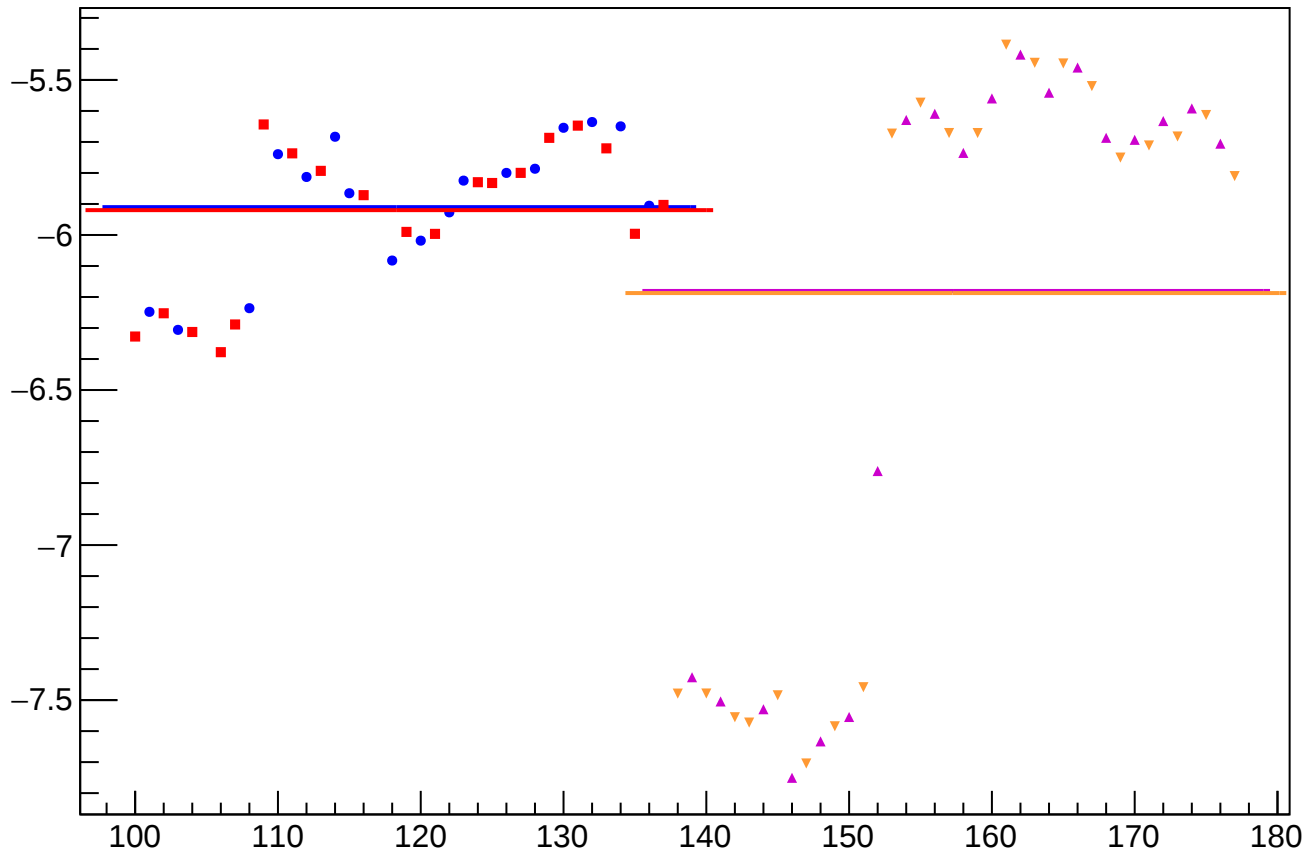
Left In: 0.006 $\pm$ 0.000 χ^2/NDF : 294164.9/18

+ sign 0.006 $\pm$ 0.000 χ^2/NDF : 501713.4/37

All: 0.006 $\pm$ 0.000 χ^2/NDF : 1027174.6/75

- sign 0.006 $\pm$ 0.000 χ^2/NDF : 524657.6/37

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.187+/-0.000 χ^2/NDF : 178535889707.7/20

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

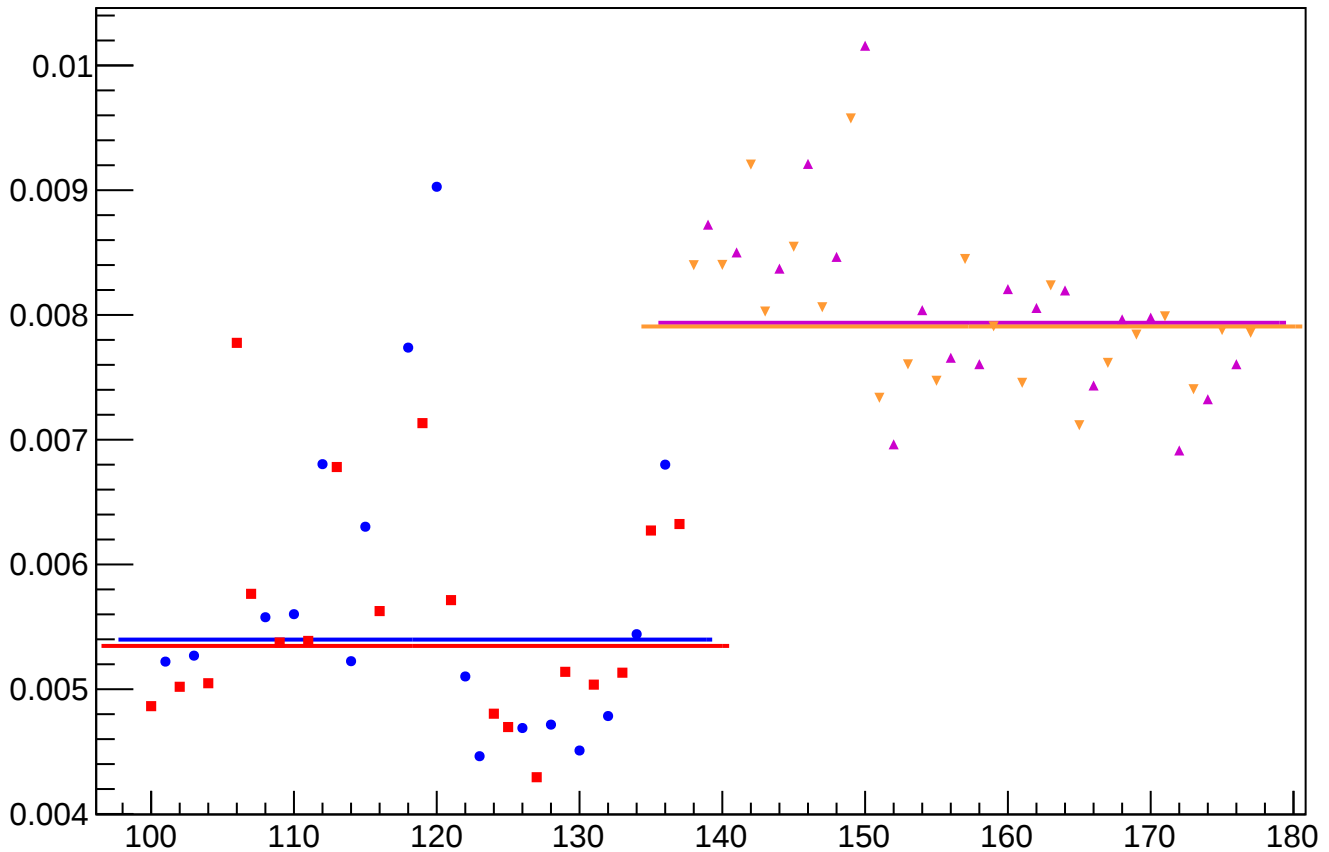
Left In: -6.181+/-0.000 χ^2/NDF : 153132455789.9/18

+ sign -6.056+/-0.000 χ^2/NDF : 197910581710.6/37

All: -6.052+/-0.000 χ^2/NDF : 371206664868.5

- sign -6.047+/-0.000 χ^2/NDF : 173275120883.0/37

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 371347.4/16

Left Out: 0.008+/-0.000 χ^2/NDF :123215.6/20

Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

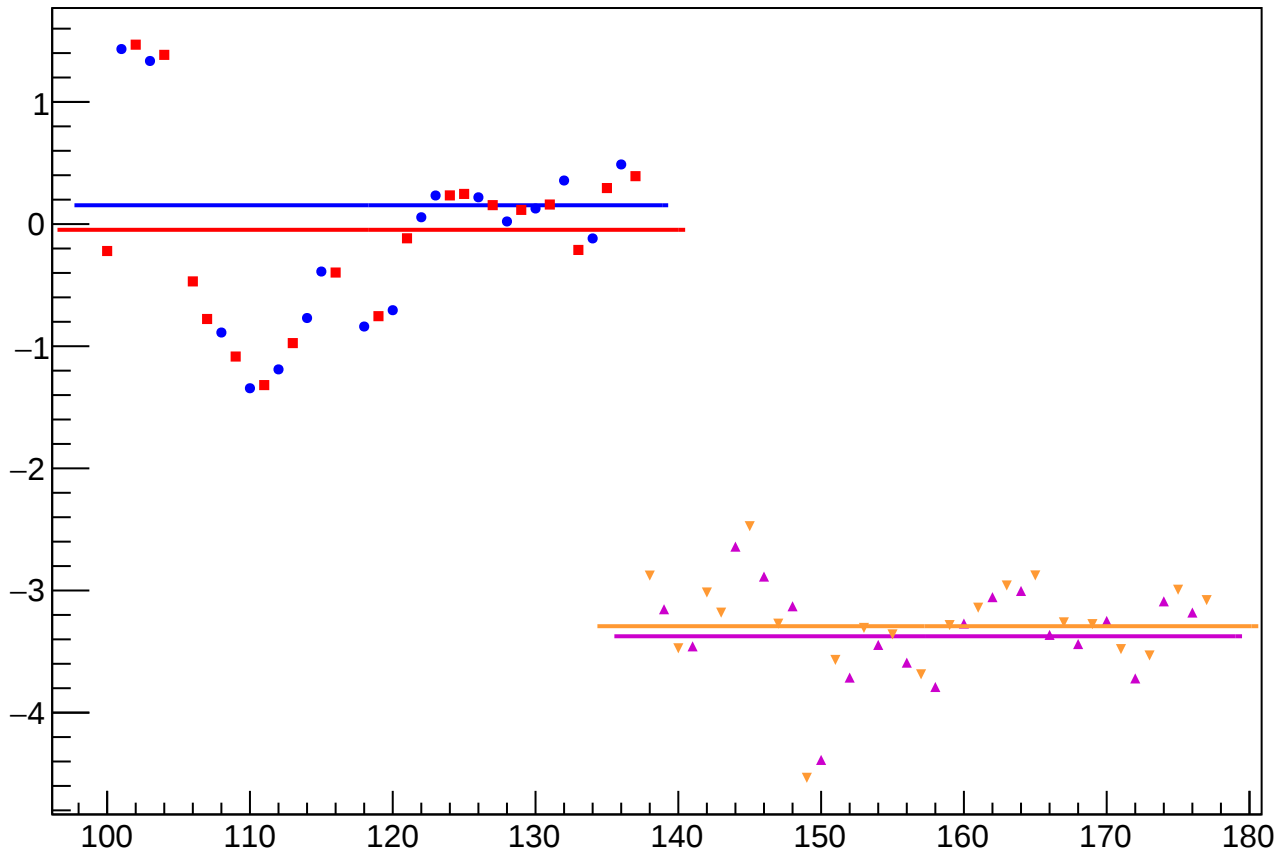
Left In: 0.008+/-0.000 χ^2/NDF :204033.9/18

+ sign 0.007+/-0.000 χ^2/NDF : 1843263.3/37

All: 0.007+/-0.000 χ^2/NDF : 3755529.3/75

- sign 0.007+/-0.000 χ^2/NDF : 1906436.1/37

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.292+/-0.000 χ^2/NDF : 8693431290.7/20

Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

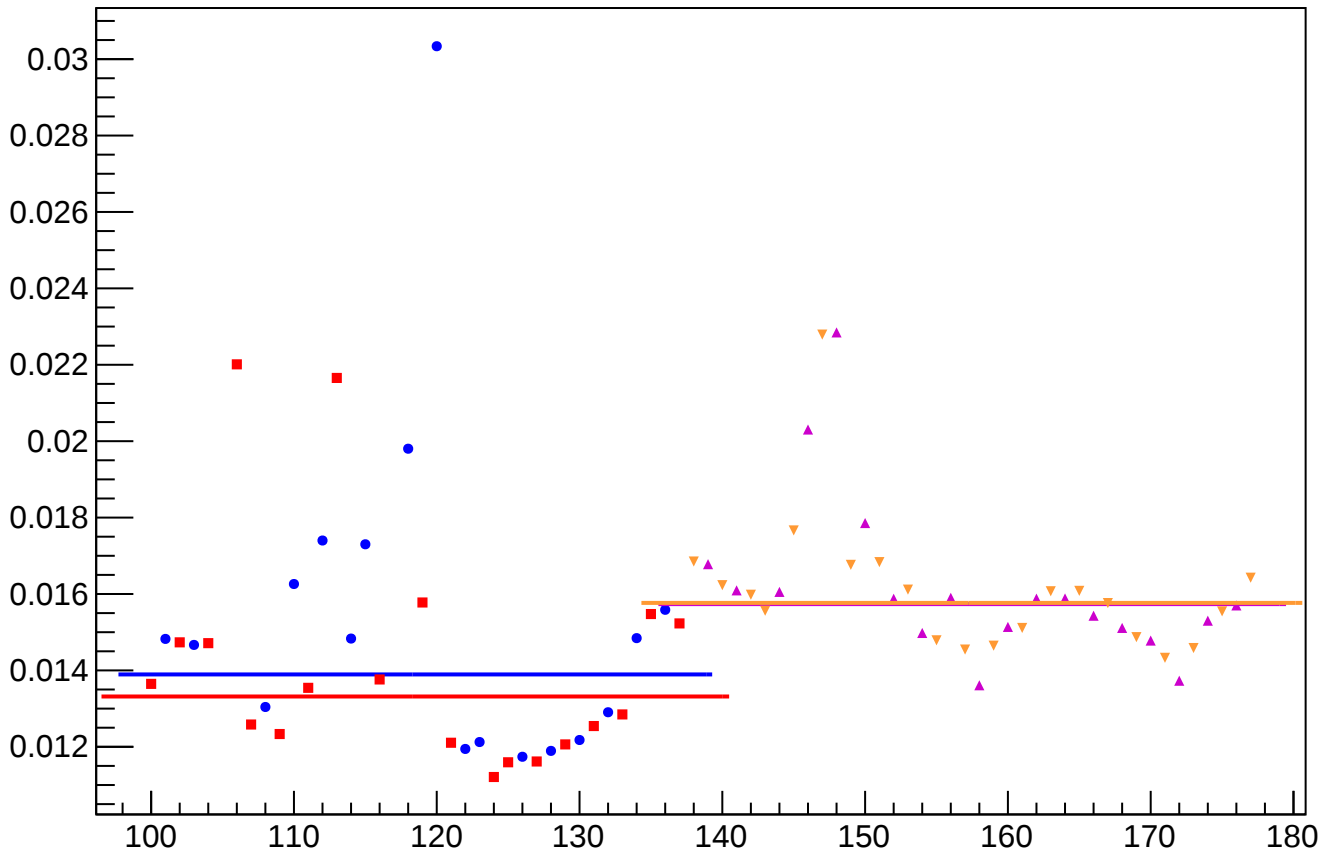
Left In: -3.375+/-0.000 χ^2/NDF : 7732899273.8/18

+ sign -2.137+/-0.000 χ^2/NDF : 267852120627.7/37

All: -2.102+/-0.000 χ^2/NDF : 542035937835.4

- sign -2.068+/-0.000 χ^2/NDF : 273966690712.0/37

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 : 234257.0/20

Right Out: 0.013+/-0.000 χ^2/NDF : 291358.0/18

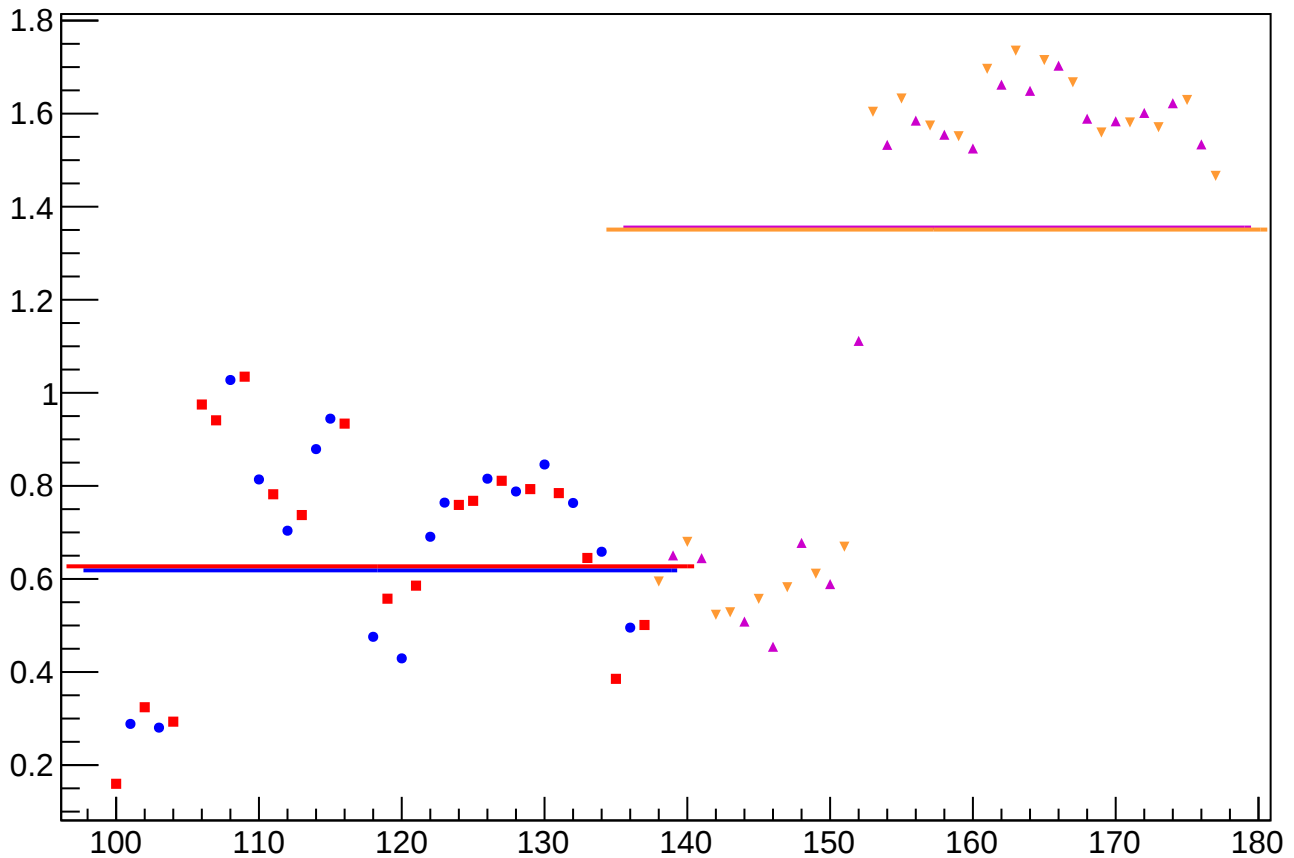
Left In: 0.016+/-0.000 χ^2/NDF : 328015.0/18

+ sign 0.015+/-0.000 χ^2/NDF : 777831.1/37

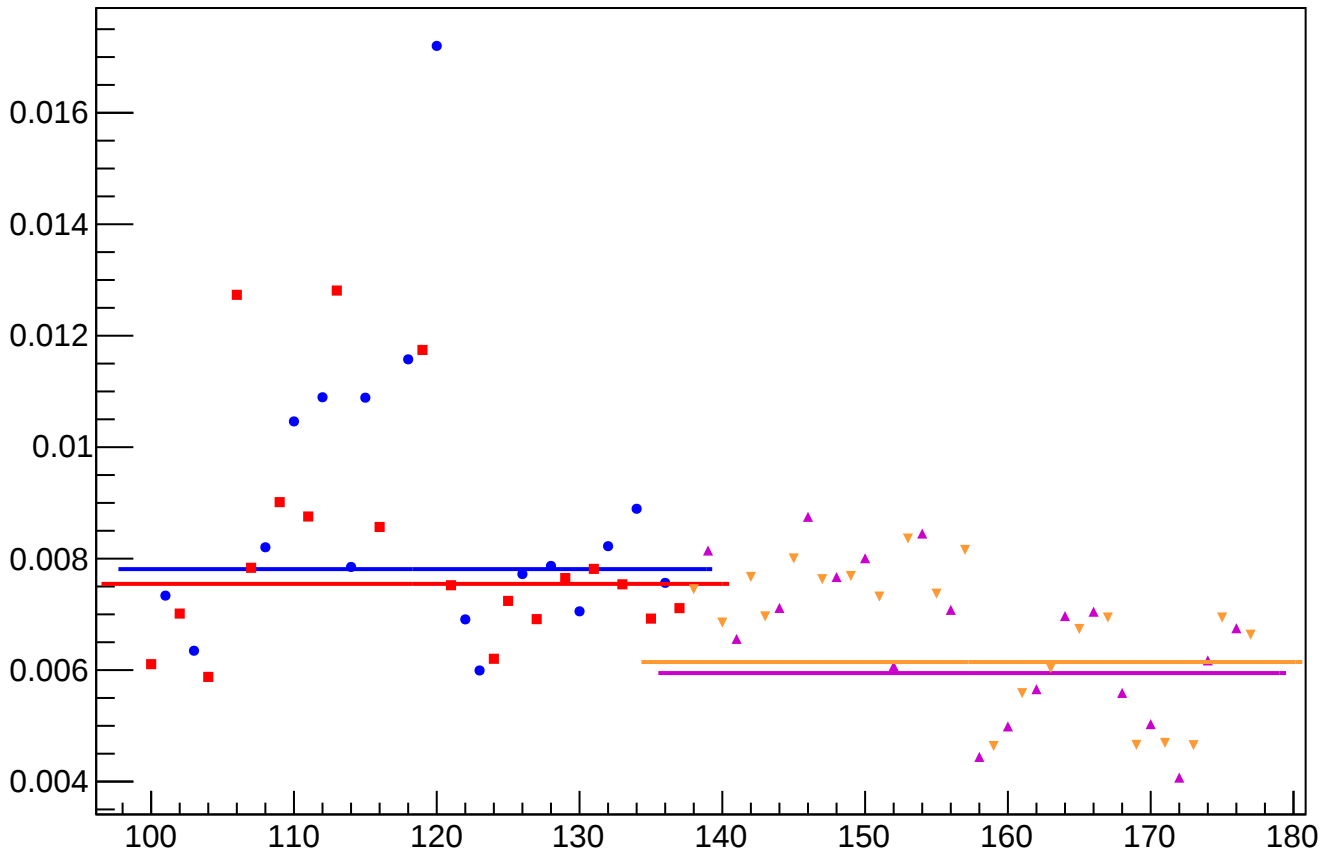
All: 0.015+/-0.000 χ^2/NDF : 1667448.7/75

- sign 0.015+/-0.000 χ^2/NDF : 878105.0/37

yield_bpm0l02Y_mean vs Slug



yield_bpm0l02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 466827.3/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1251319.7/20

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 441823.4/18

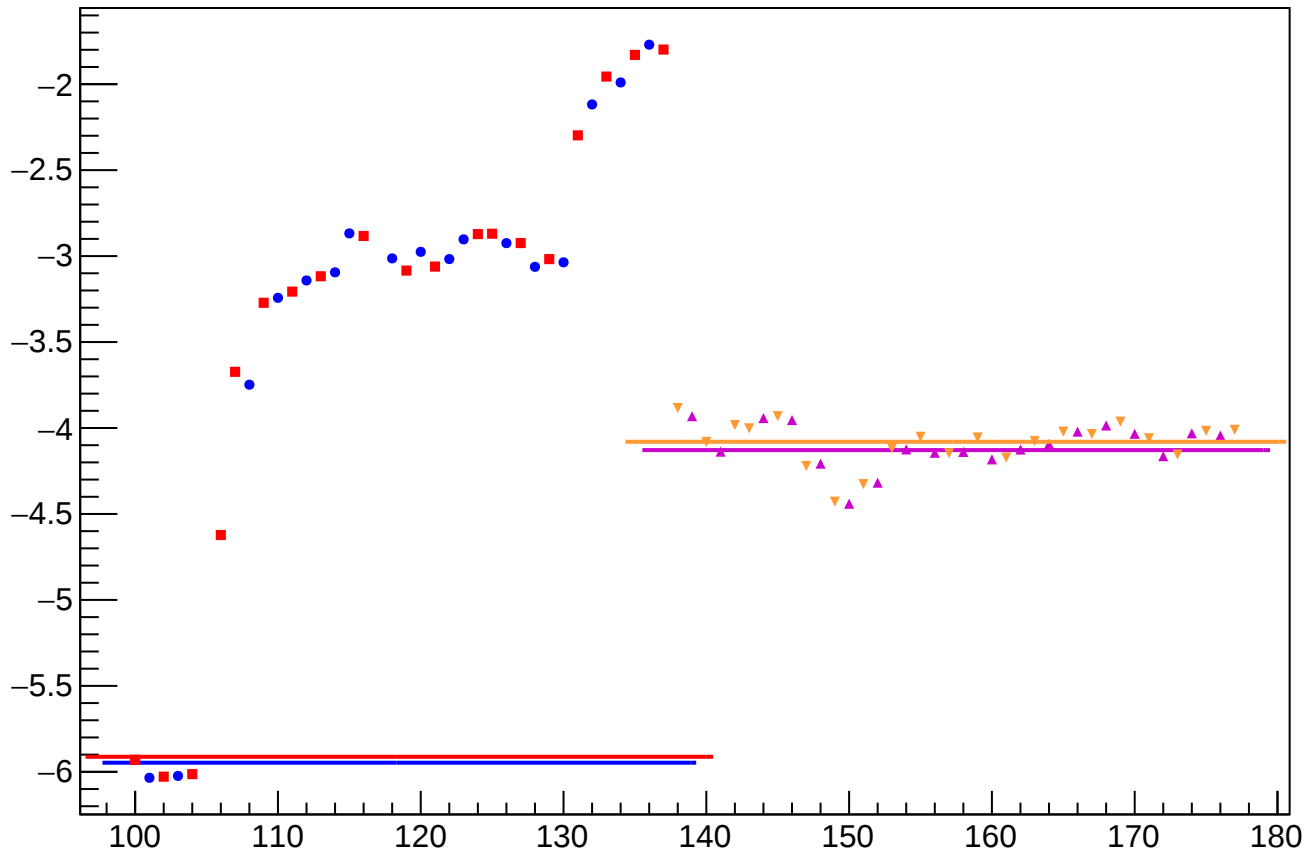
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1317791.1/18

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2140480.7/37

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4346097.8/75

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2190889.8/37

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.080+/-0.000 χ^2/NDF : 35382873.9/20

Right Out: -5.912+/-0.000 χ^2/NDF : 14619971495.0/18

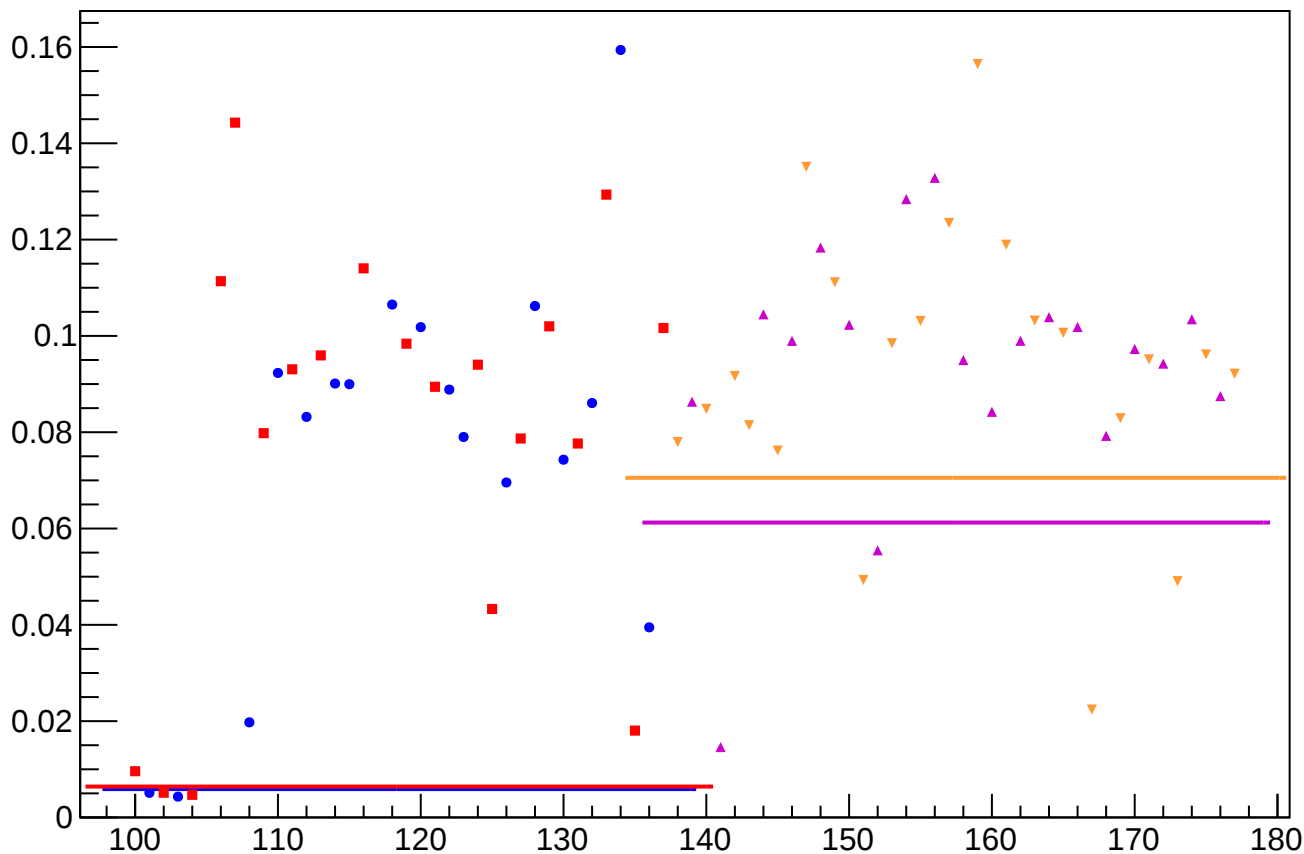
Left In: -4.129+/-0.000 χ^2/NDF : 26410445.0/18

+ sign -5.865+/-0.000 χ^2/NDF : 20409173719.1/37

All: -5.843+/-0.000 χ^2/NDF : 41766983865.5

- sign -5.815+/-0.000 χ^2/NDF : 21300590911.3/37

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7934545.2/16

Left Out: 0.071 $\pm$ 0.000 χ^2 /NDF: 4916252.8/20

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8498586.9/18

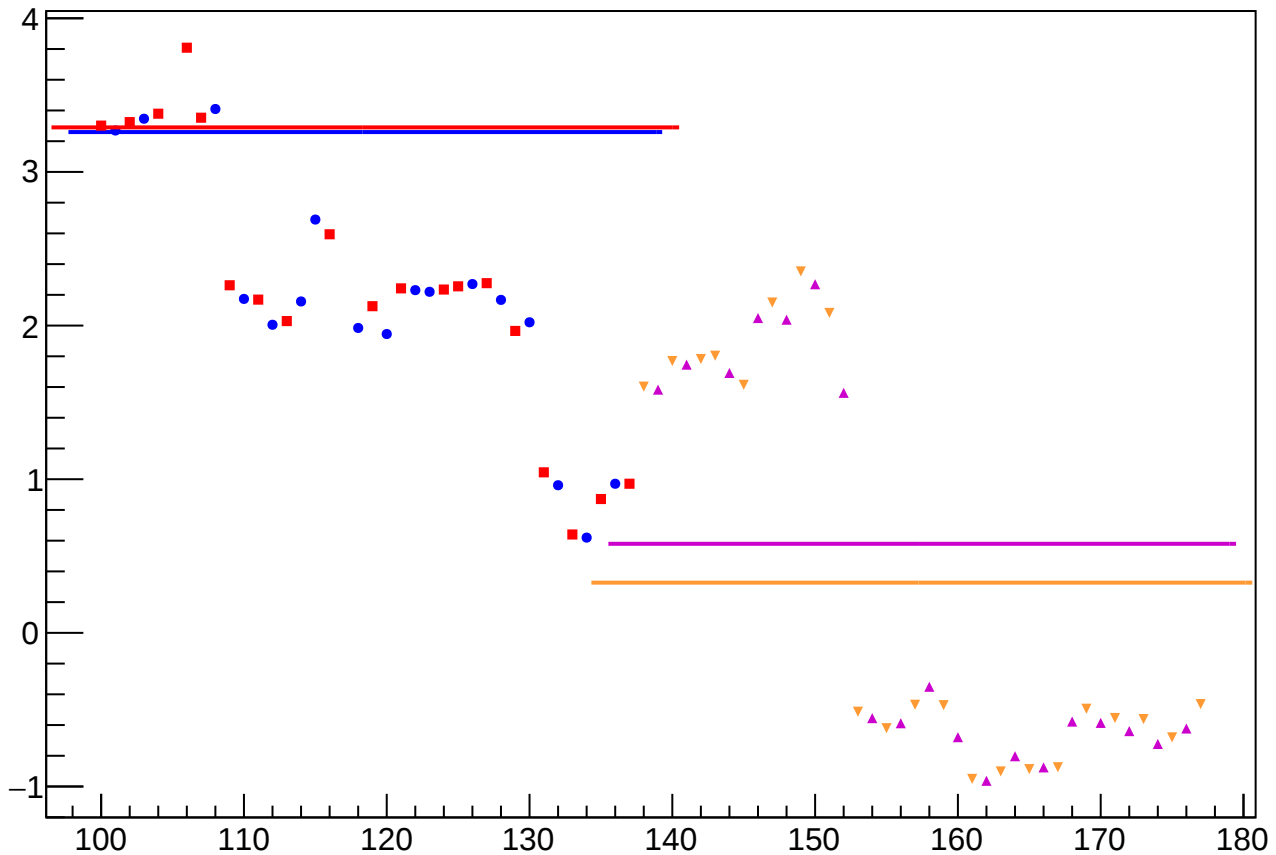
Left In: 0.061 $\pm$ 0.000 χ^2 /NDF: 7274800.1/18

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 30136041.1/37

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 58501707.0/75

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 28343395.3/37

yield_bpm0l03Y_mean vs Slug



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 0.327+/-0.000 χ^2/NDF : 2988460374.1/20

Right Out: 3.290+/-0.000 χ^2/NDF : 3262231575.5/18

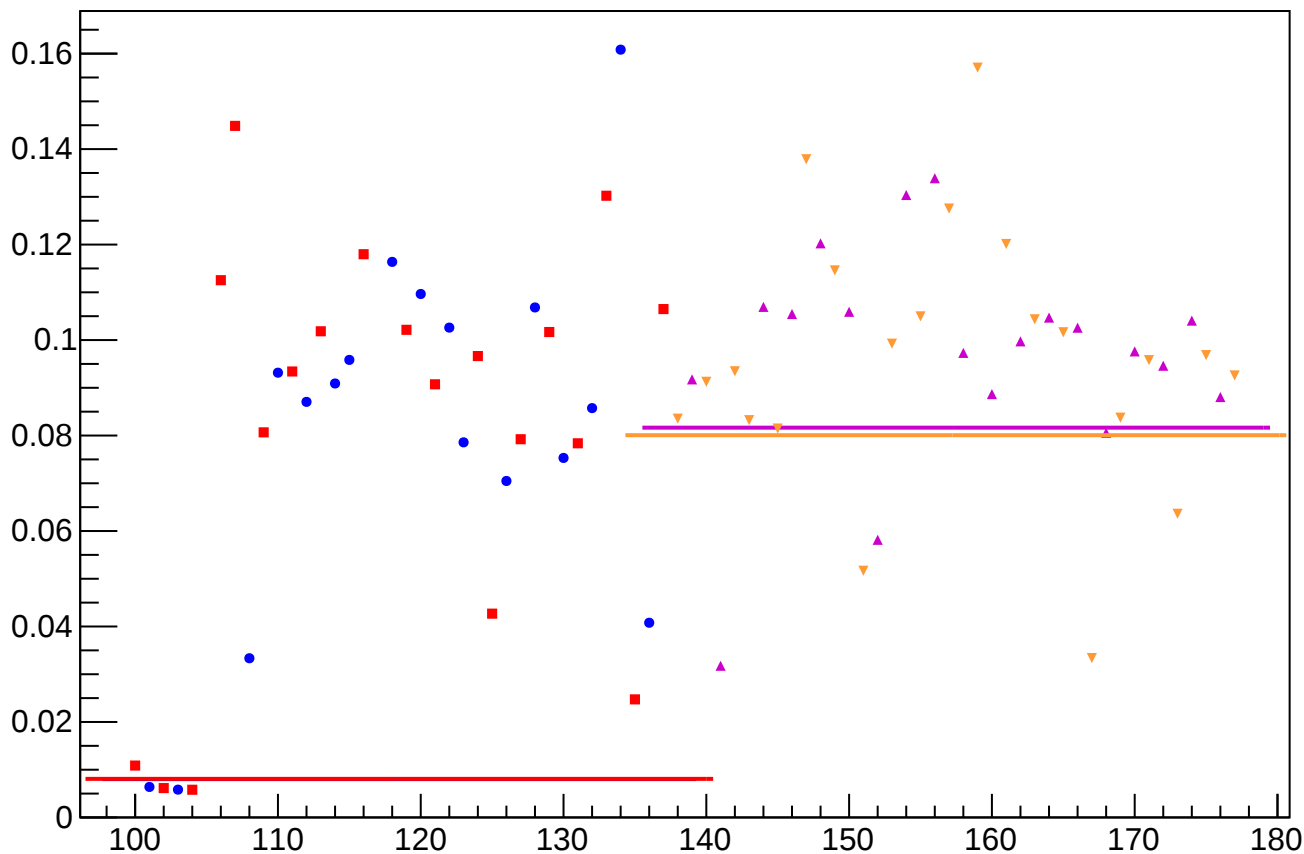
Left In: 0.580+/-0.000 χ^2/NDF : 2402051300.6/18

+ sign 3.083+/-0.000 χ^2/NDF : 20828320897.6/37

All: 3.108+/-0.000 χ^2/NDF : 37607263982.1/7

- sign 3.136+/-0.000 χ^2/NDF : 16737792829.6/37

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.080 $\pm$ 0.000 χ^2 /NDF:3140256.3/20

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

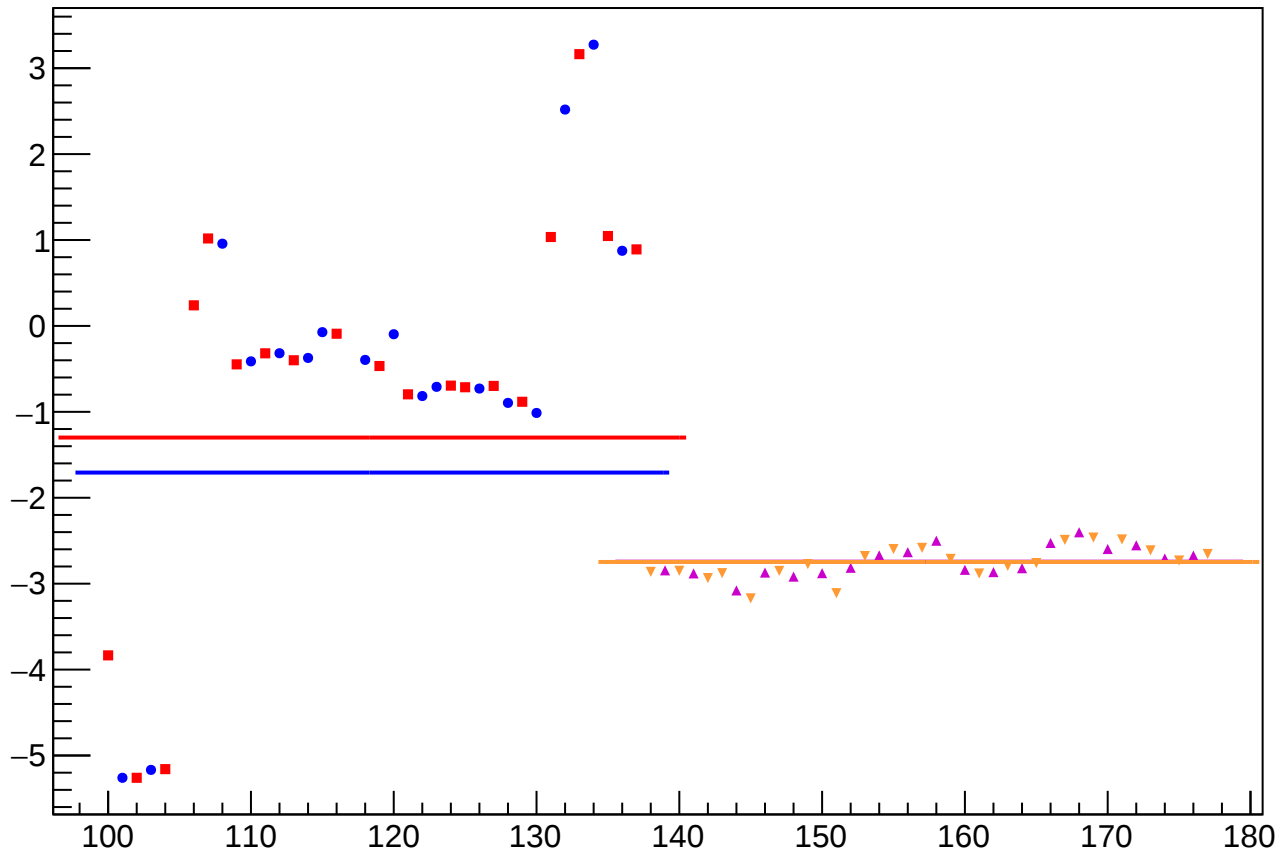
Left In: 0.082 $\pm$ 0.000 χ^2 /NDF:2908893.1/18

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 28883489.7/37

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 56419649.1/75

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 27535803.8/37

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.747+/-0.000 χ^2/NDF : 8762493798.1/20

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

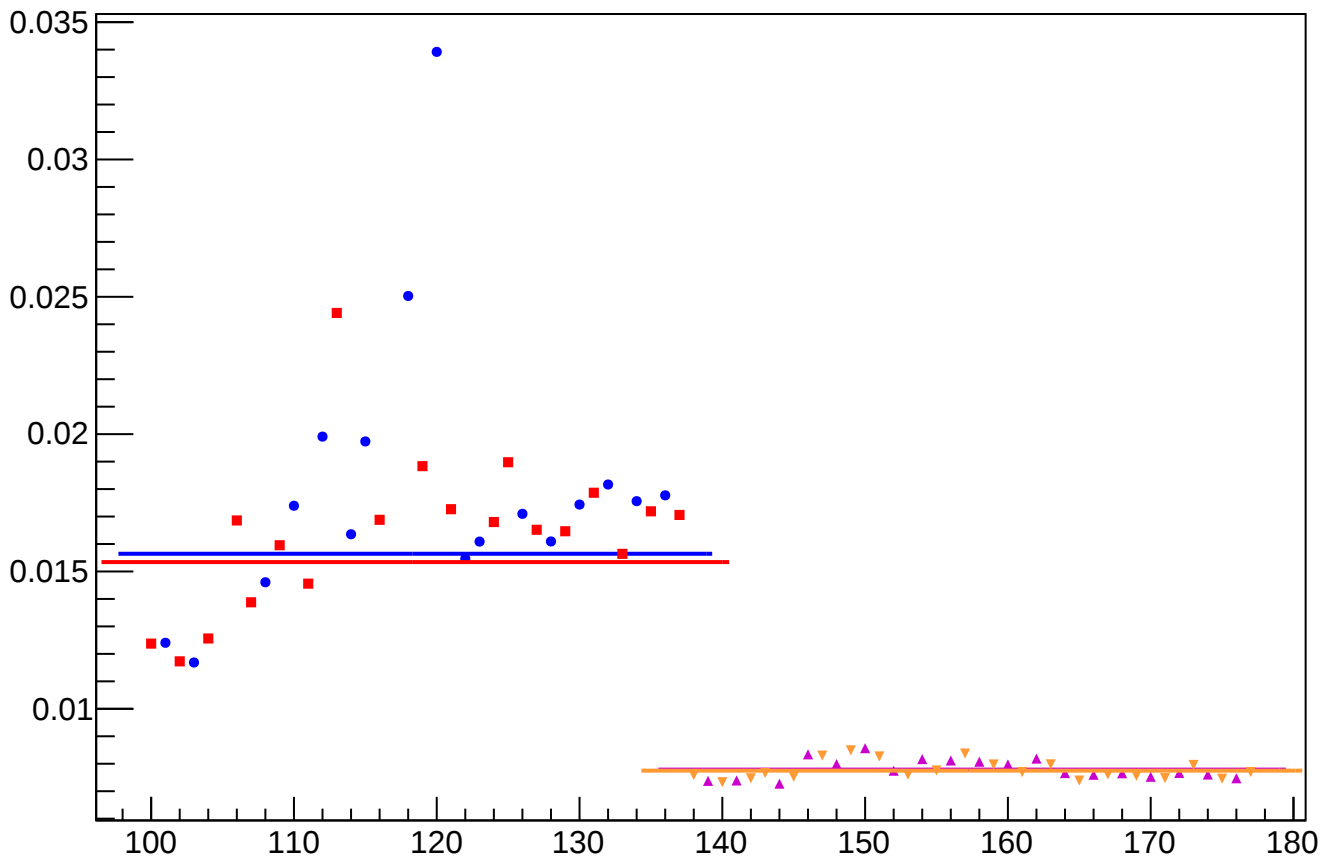
Left In: -2.744+/-0.000 χ^2/NDF : 7105655461.5/18

+ sign -2.661+/-0.000 χ^2/NDF : 197614439137.5/37

All: -2.630+/-0.000 χ^2/NDF : 432672437478.7

- sign -2.597+/-0.000 χ^2/NDF : 234518329093.0/37

yield_bpm0l04X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 578244.3/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:52947.5/20

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 353806.7/18

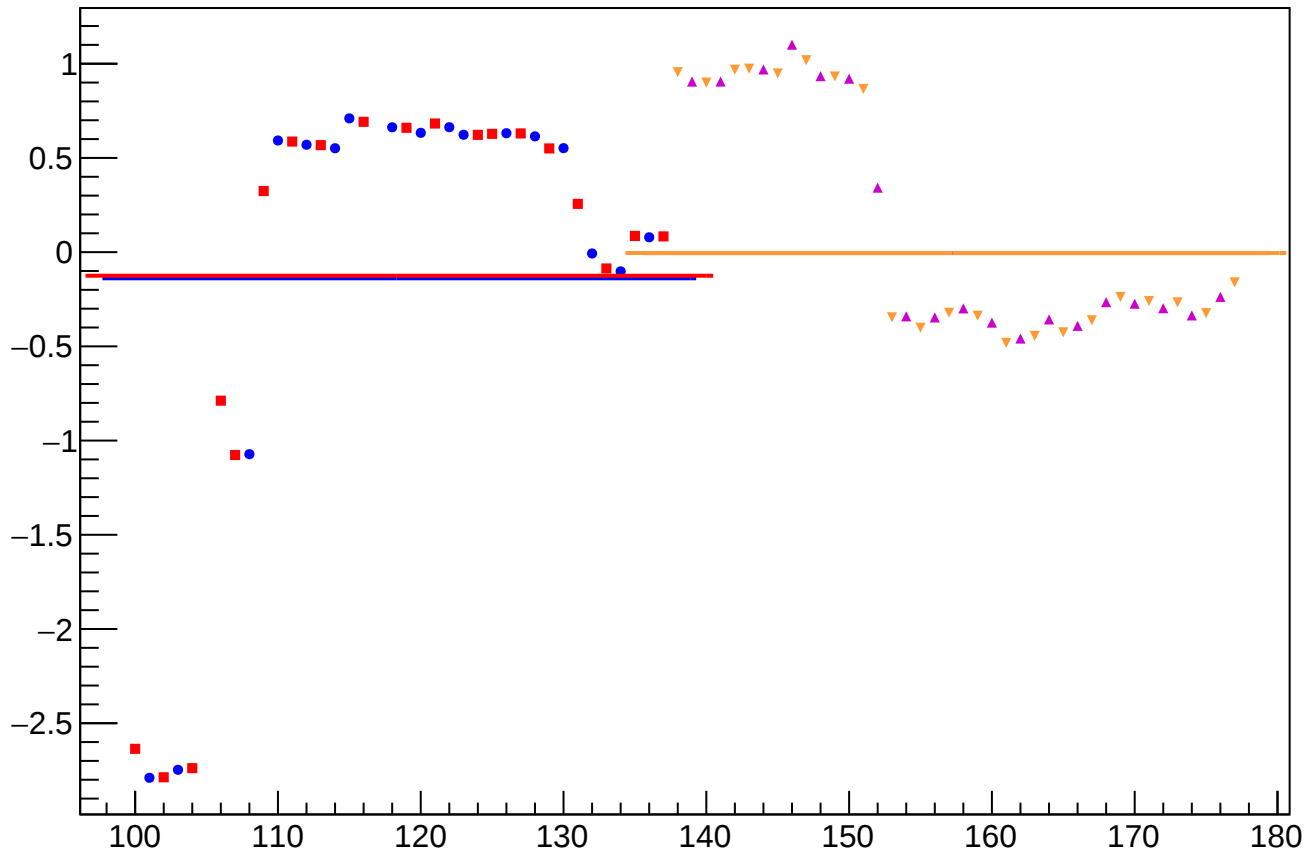
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:57924.9/18

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 3249512.4/37

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 6367663.4/75

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3112139.5/37

yield_bpm0l04Y_mean vs Slug



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: -0.005+/-0.000 χ^2/NDF : 131574116622.0/20

Right Out: -0.125+/-0.000 χ^2/NDF : 761496762534.7/18

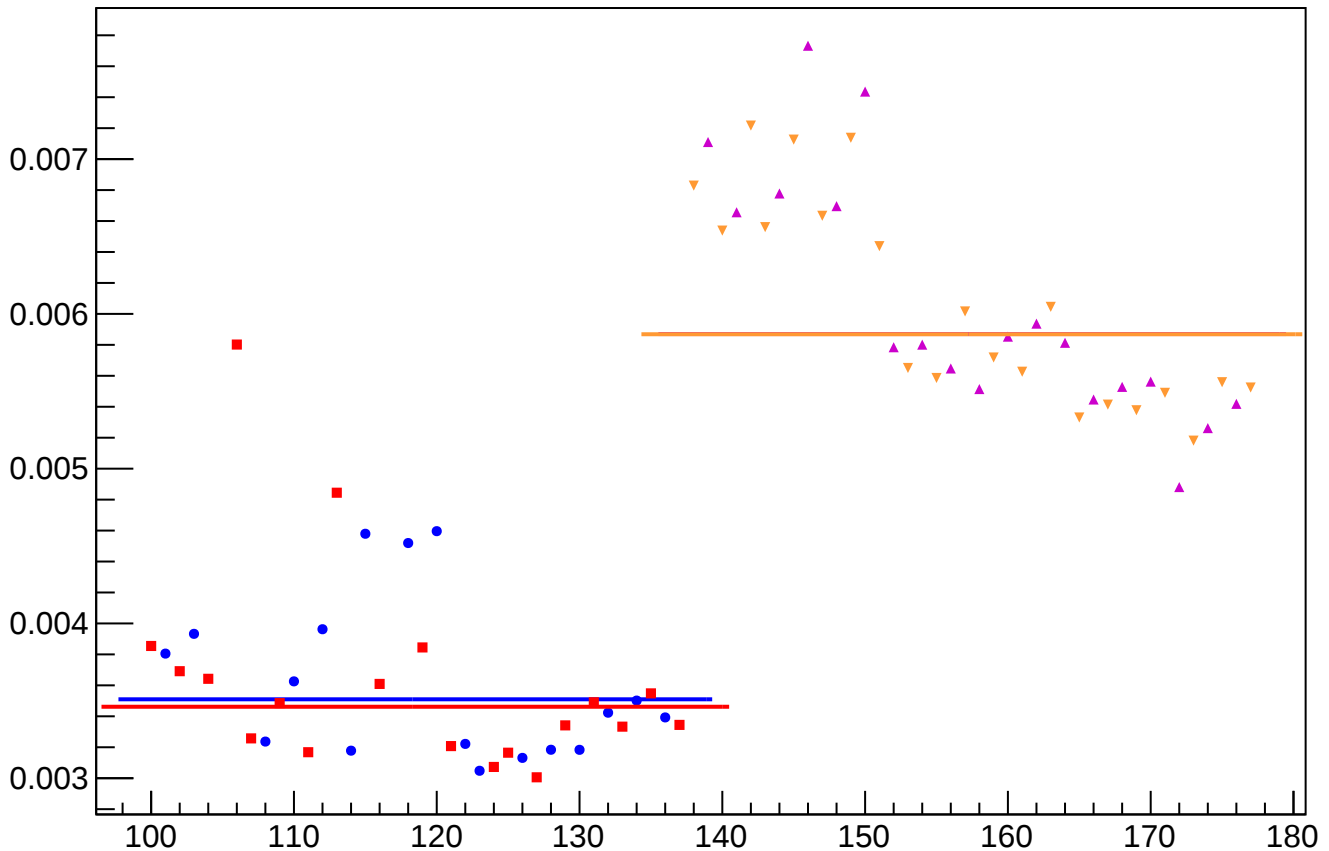
Left In: -0.005+/-0.000 χ^2/NDF : 111792289335.8/18

+ sign -0.078+/-0.000 χ^2/NDF : 850767873969.8/37

All: -0.077+/-0.000 χ^2/NDF : 1727391280201

- sign -0.076+/-0.000 χ^2/NDF : 876619911018.3/37

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 171337.9/16

Left Out: 0.006+/-0.000 χ^2/NDF :281316.3/20

Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

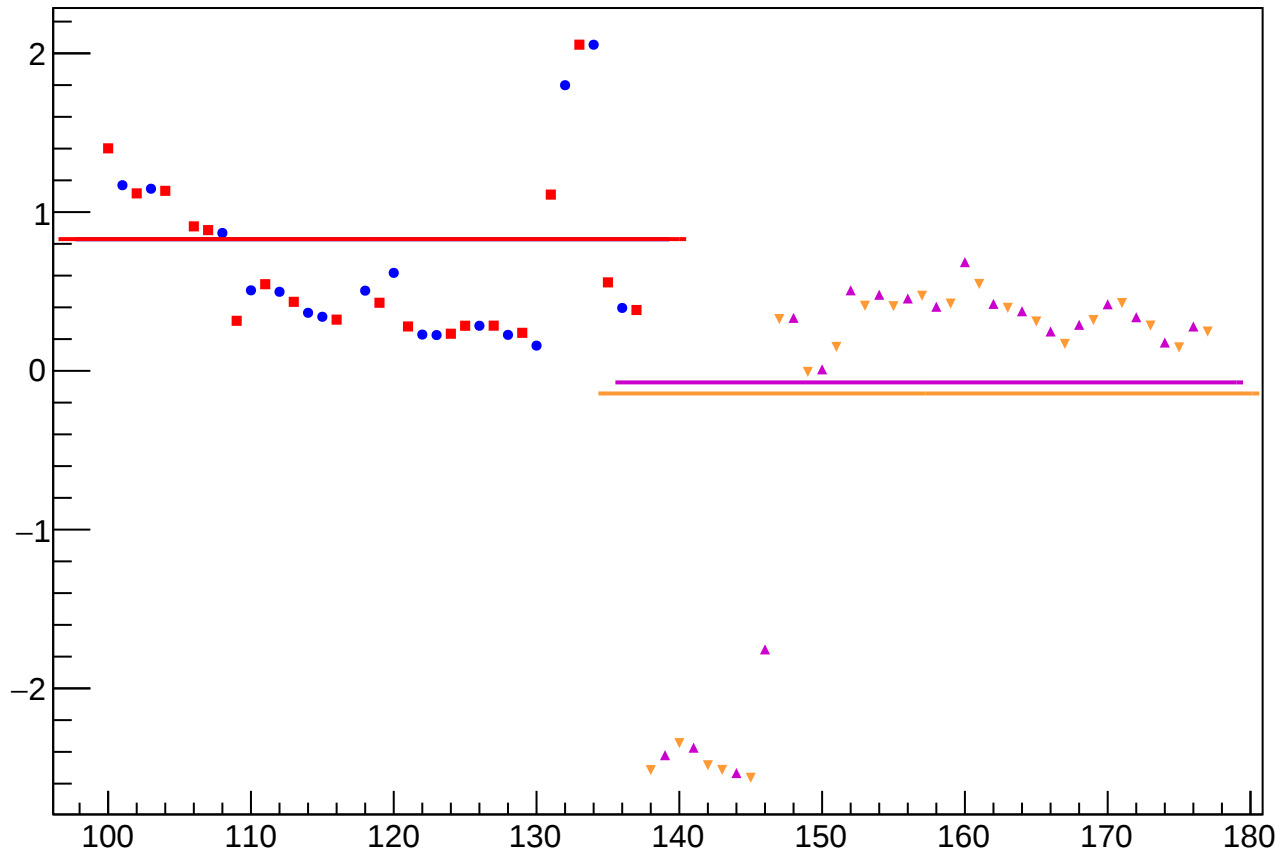
Left In: 0.006+/-0.000 χ^2/NDF :362418.4/18

+ sign 0.005+/-0.000 χ^2/NDF : 3015020.1/37

All: 0.005+/-0.000 χ^2/NDF : 6277109.2/75

- sign 0.004+/-0.000 χ^2/NDF : 3248752.6/37

yield_bpm0l05X_mean vs Slug



Right In: 0.829 $\pm$ 0.000 χ^2 /NDF: 31718573821.2/16

Left Out: -0.142 $\pm$ 0.000 χ^2 /NDF: 482113050694.6/20

+ sign 0.090 $\pm$ 0.000 χ^2 /NDF: 613638938217.5/37

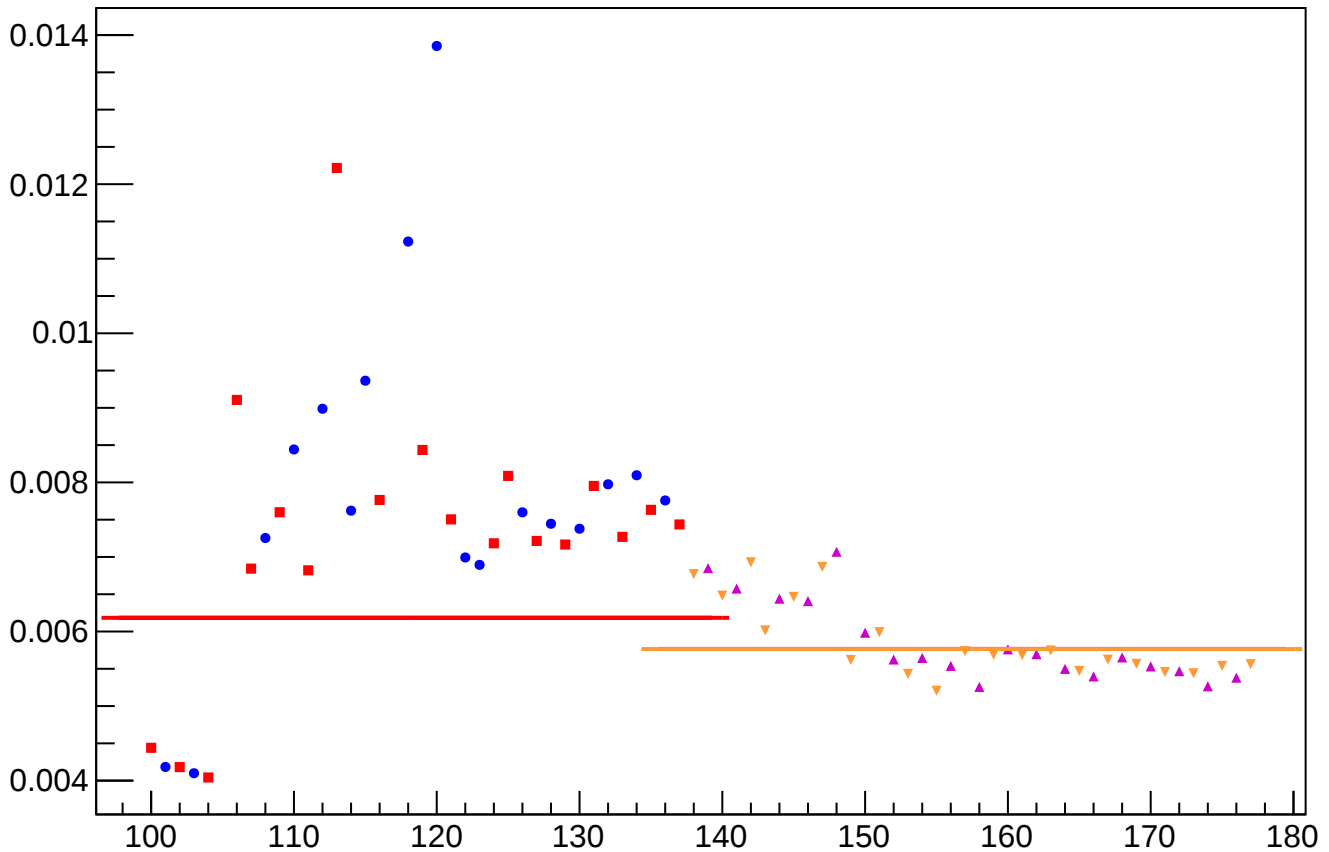
Right Out: 0.830 $\pm$ 0.000 χ^2 /NDF: 33335665437.8/18

All: 0.129 $\pm$ 0.000 χ^2 /NDF: 1148882524834.

Left In: -0.073 $\pm$ 0.000 χ^2 /NDF: 409575396998.5/18

- sign 0.170 $\pm$ 0.000 χ^2 /NDF: 533397903633.5/37

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 : 171209.6/20

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

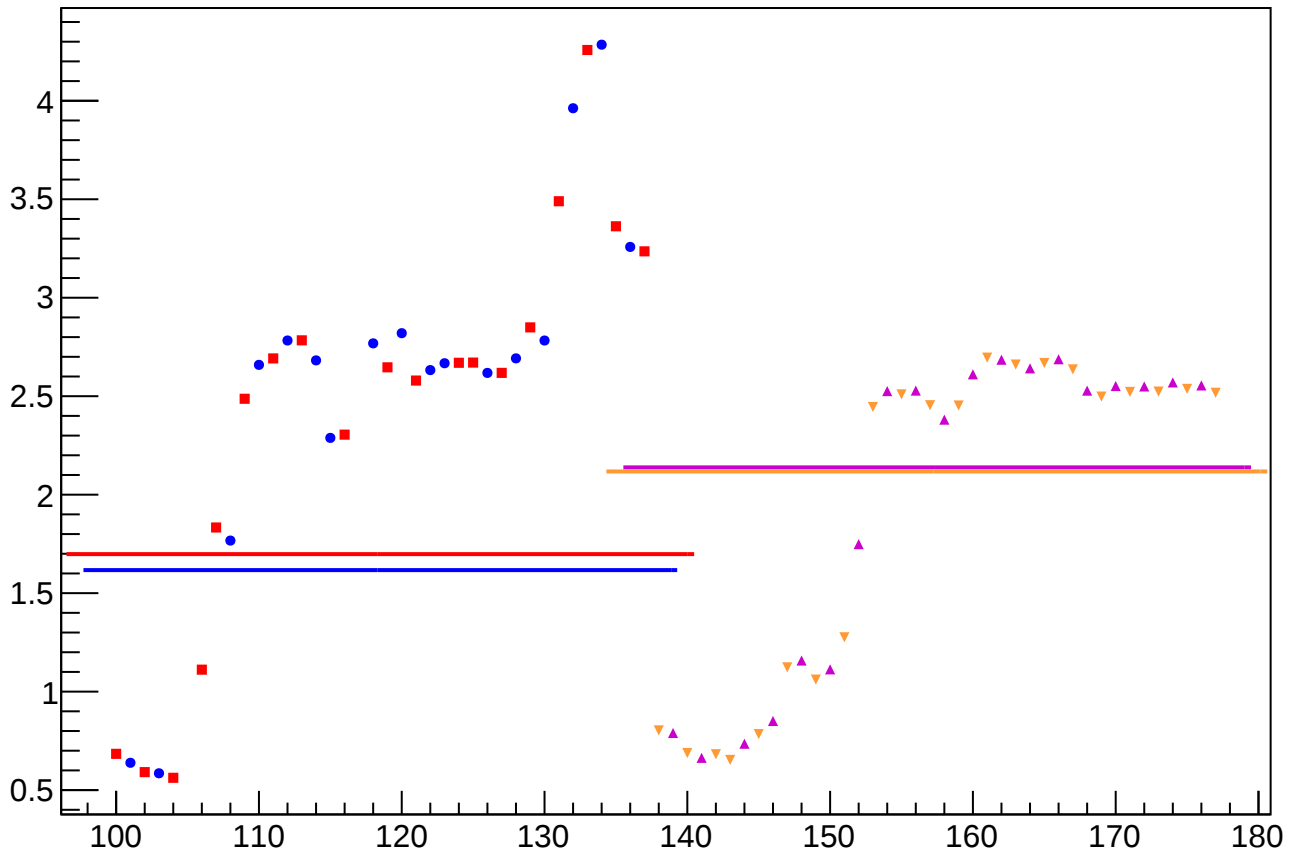
Left In: 0.006+/-0.000 χ^2/NDF : 195427.7/18

+ sign 0.006+/-0.000 χ^2/NDF : 1437493.6/37

All: 0.006+/-0.000 χ^2/NDF : 2698472.9/75

- sign 0.006+/-0.000 χ^2/NDF : 1260872.2/37

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 2.118+/-0.000 χ^2/NDF : 277463980888.8/20

Right Out: 1.698+/-0.000 χ^2/NDF : 227408345801.7/18

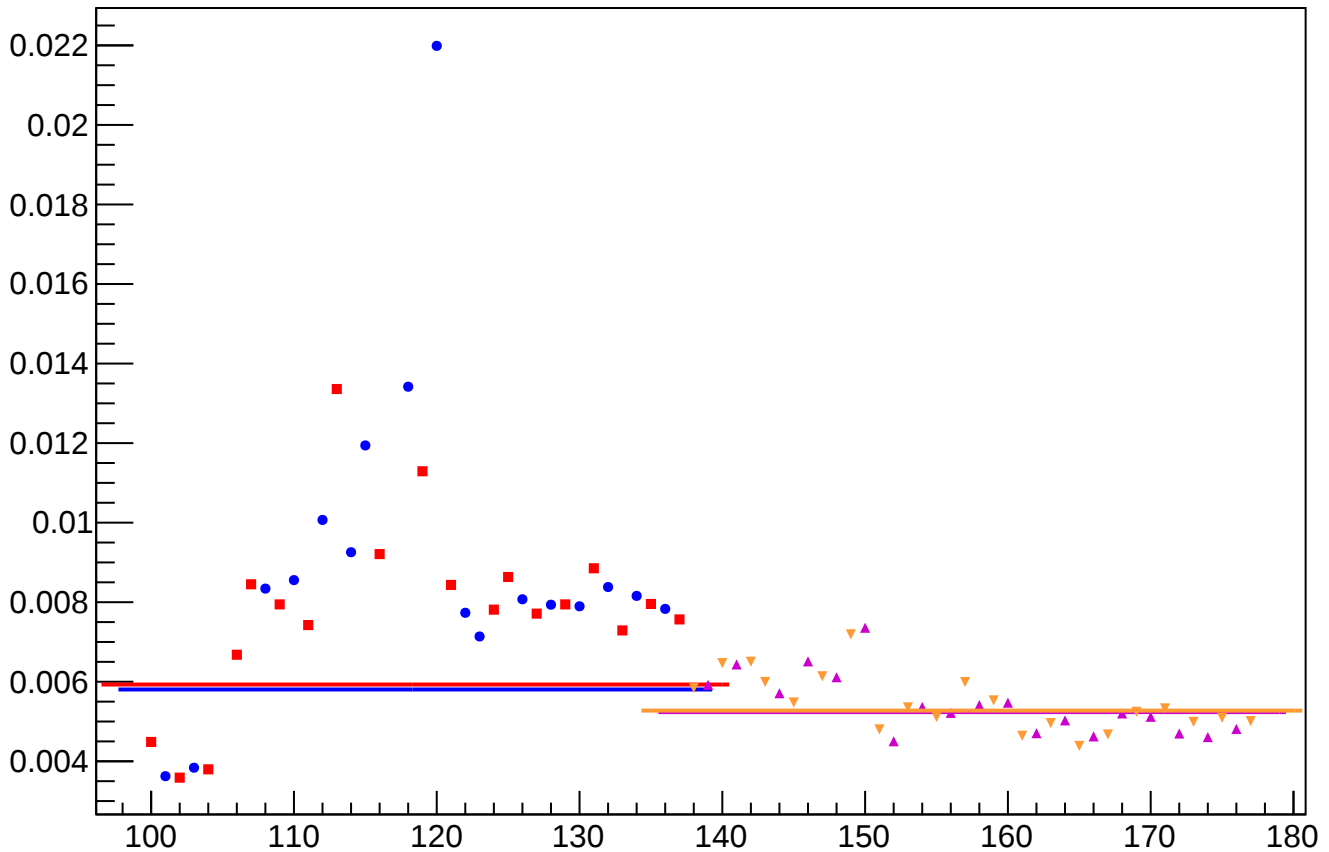
Left In: 2.139+/-0.000 χ^2/NDF : 241855052044.2/18

+ sign 2.008+/-0.000 χ^2/NDF : 508385836738.2/37

All: 2.020+/-0.000 χ^2/NDF : 1000317137659.

- sign 2.033+/-0.000 χ^2/NDF : 491727799098.6/37

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 : 374501.1/20

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

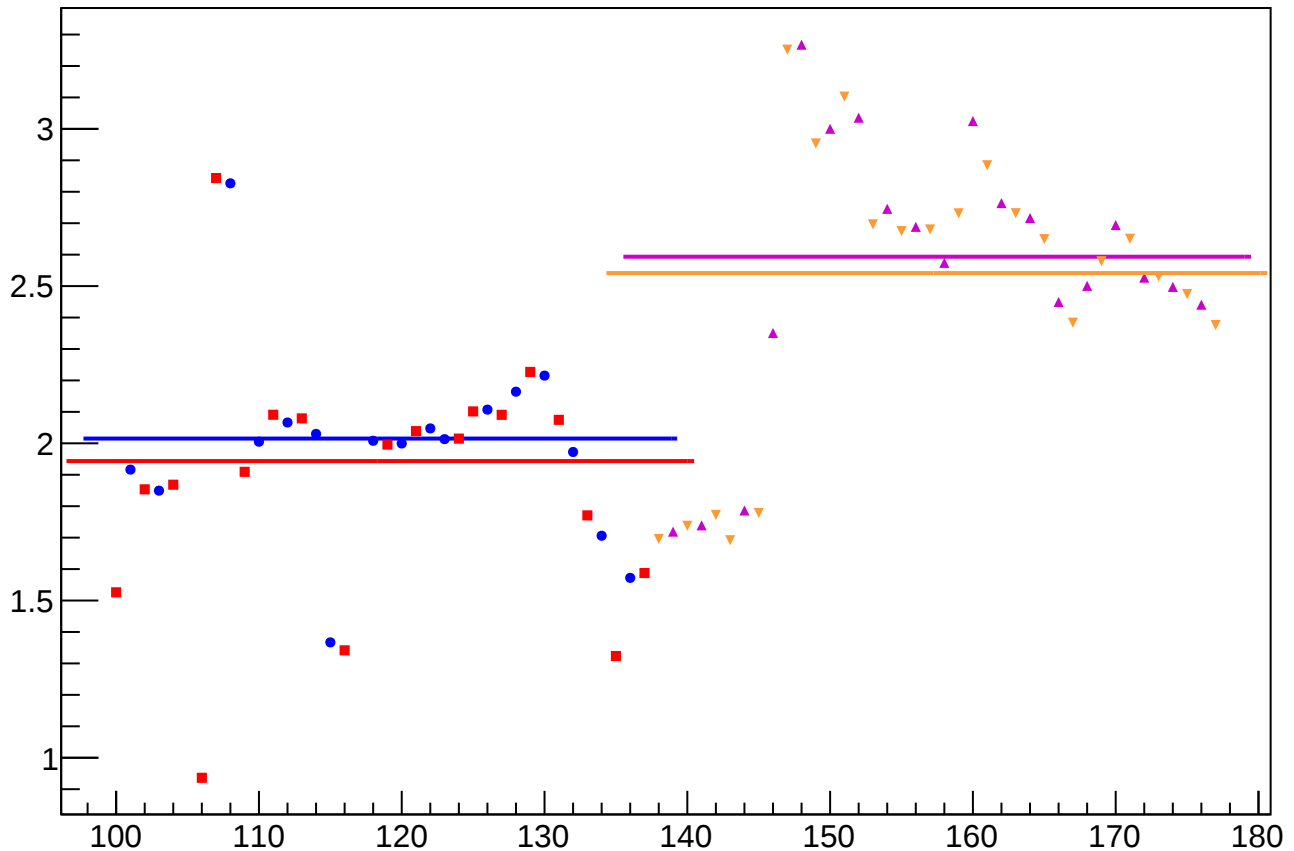
Left In: 0.005+/-0.000 χ^2/NDF : 416191.9/18

+ sign 0.005+/-0.000 χ^2/NDF : 2355455.3/37

All: 0.005+/-0.000 χ^2/NDF : 4568528.9/75

- sign 0.005+/-0.000 χ^2/NDF : 2212977.8/37

yield_bpm0l06X_mean vs Slug



Right In: 2.015 $\pm$ 0.000 χ^2 /NDF: 12228403202.6/16

Left Out: 2.541 $\pm$ 0.000 χ^2 /NDF: 49273317202.3/20

Right Out: 1.944 $\pm$ 0.000 χ^2 /NDF: 21427099579.0/18

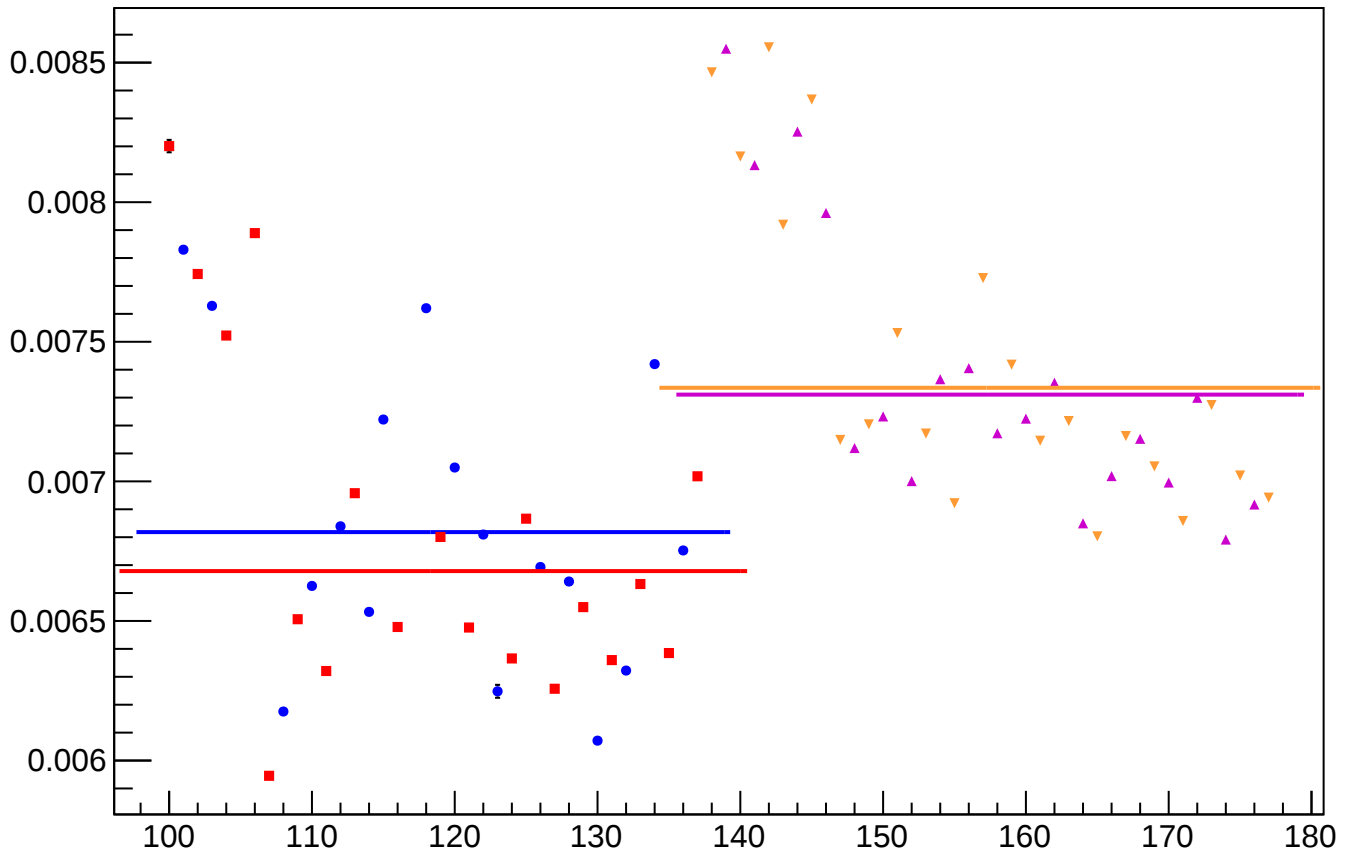
Left In: 2.593 $\pm$ 0.000 χ^2 /NDF: 41862203920.5/18

+ sign 2.368 $\pm$ 0.000 χ^2 /NDF: 86914489921.8/37

All: 2.362 $\pm$ 0.000 χ^2 /NDF: 190909424452.5

- sign 2.355 $\pm$ 0.000 χ^2 /NDF: 103959470698.0/37

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 75813.9/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:124754.9/20

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 75718.4/18

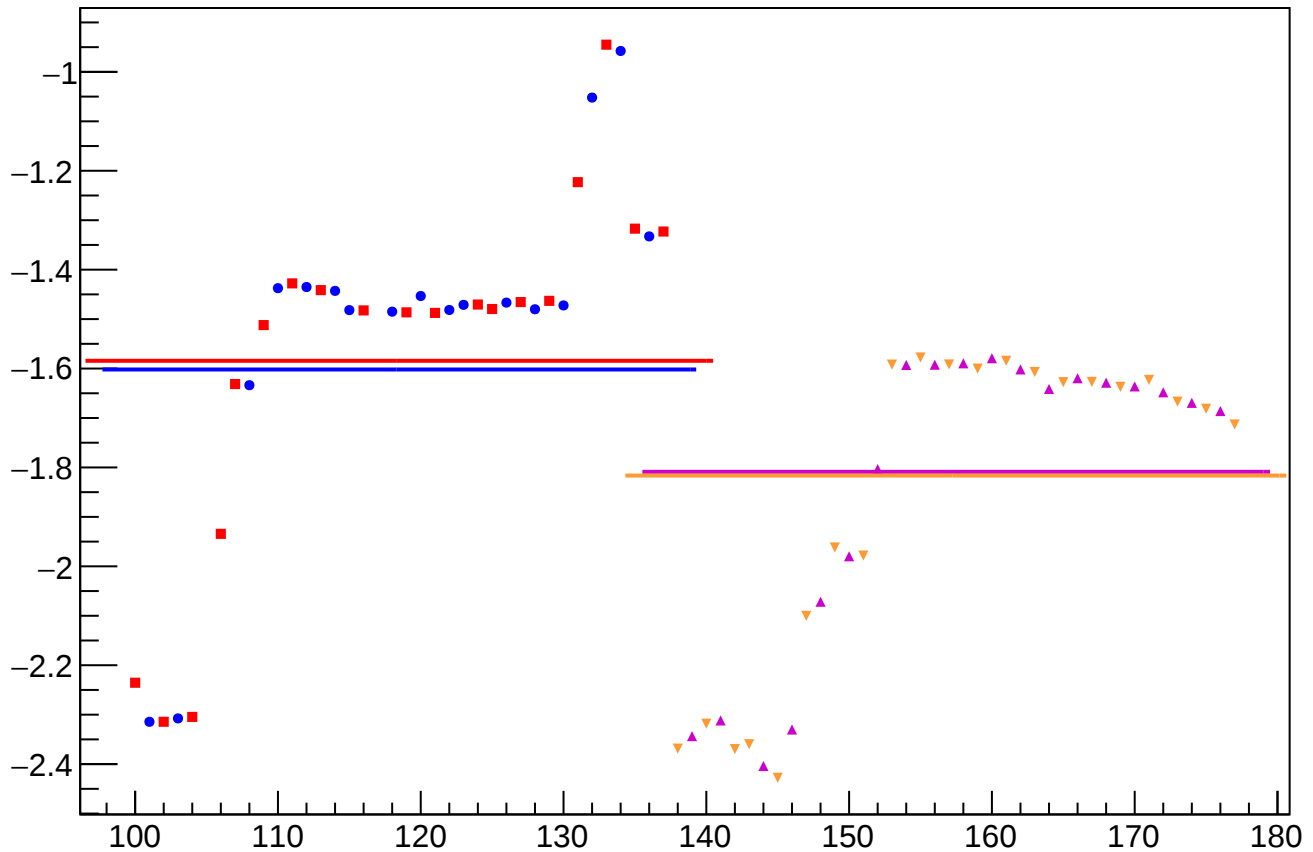
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:105374.4/18

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 249604.1/37

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 510726.4/75

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 258040.2/37

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -1.816+/-0.000 χ^2/NDF : 175965432182.6/20

Right Out: -1.584+/-0.000 χ^2/NDF : 143578606614.3/18

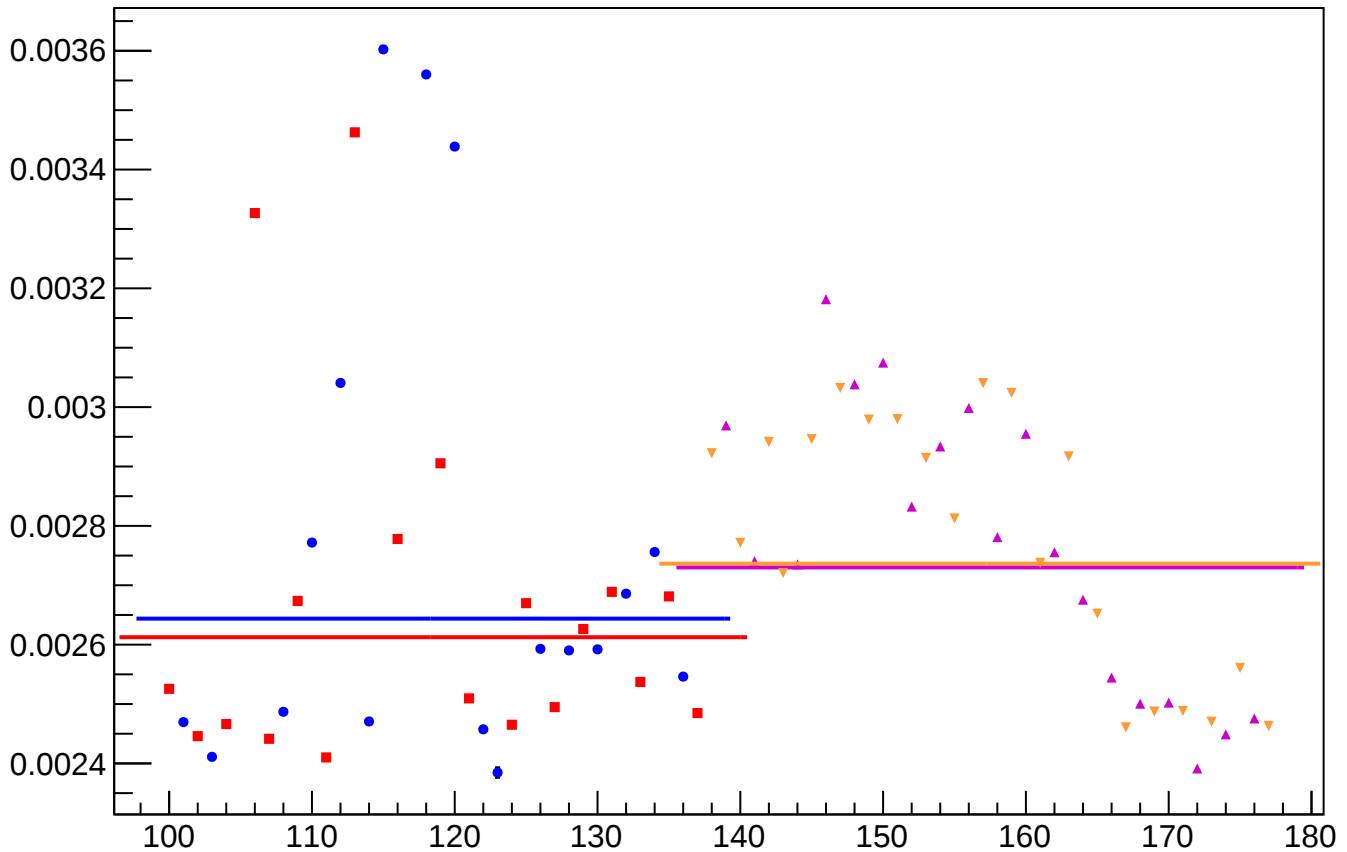
Left In: -1.809+/-0.000 χ^2/NDF : 155768851920.6/18

+ sign -1.750+/-0.000 χ^2/NDF : 344675861543.3/37

All: -1.741+/-0.000 χ^2/NDF : 676906605671.0

- sign -1.732+/-0.000 χ^2/NDF : 331768998658.3/37

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 : 185561.4/20

Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

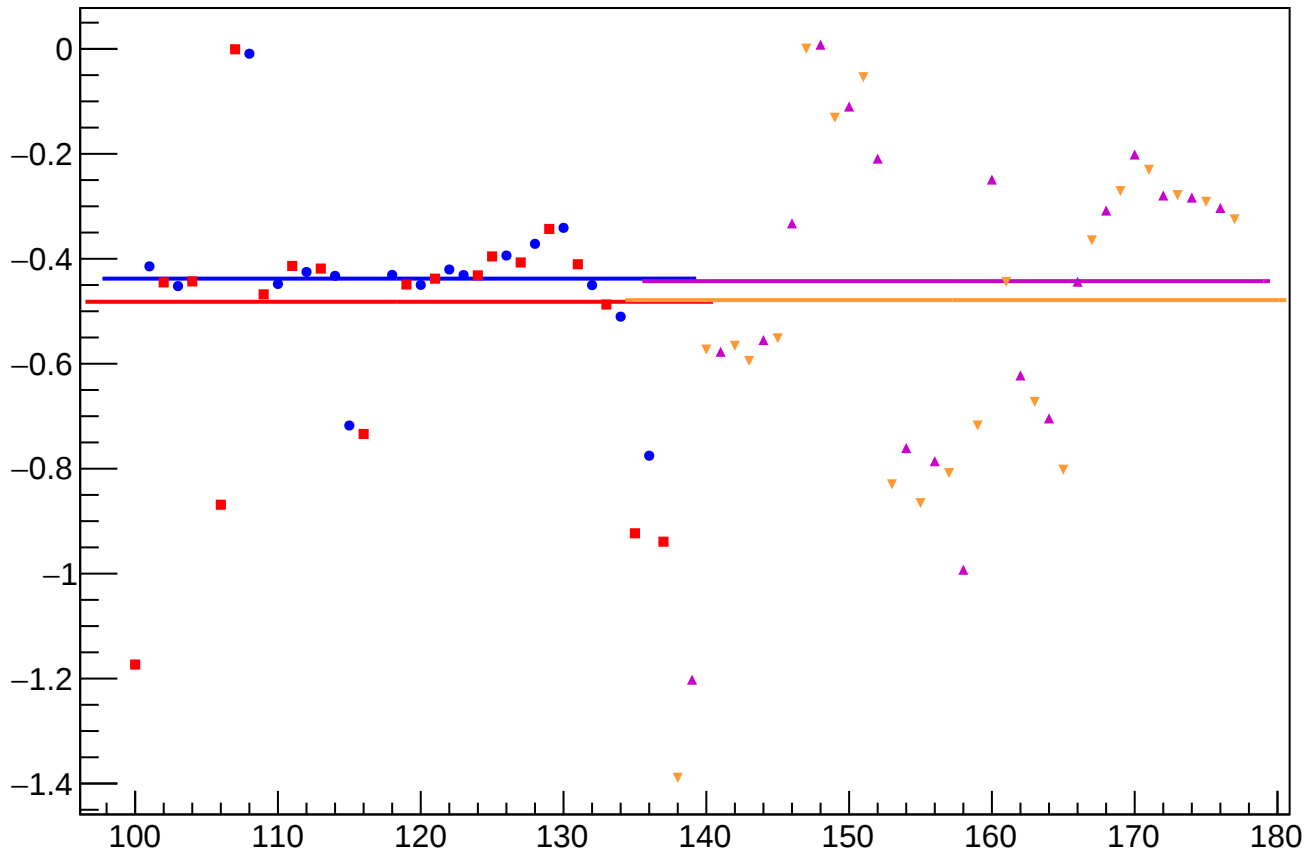
Left In: 0.003+/-0.000 χ^2/NDF : 199746.2/18

+ sign 0.003+/-0.000 χ^2/NDF : 347565.3/37

All: 0.003+/-0.000 χ^2/NDF : 671270.2/75

- sign 0.003+/-0.000 χ^2/NDF : 322781.0/37

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.479+/-0.000 χ^2/NDF : 9604143565.4/20

Right Out: -0.482+/-0.000 χ^2/NDF : 2694625740.7/18

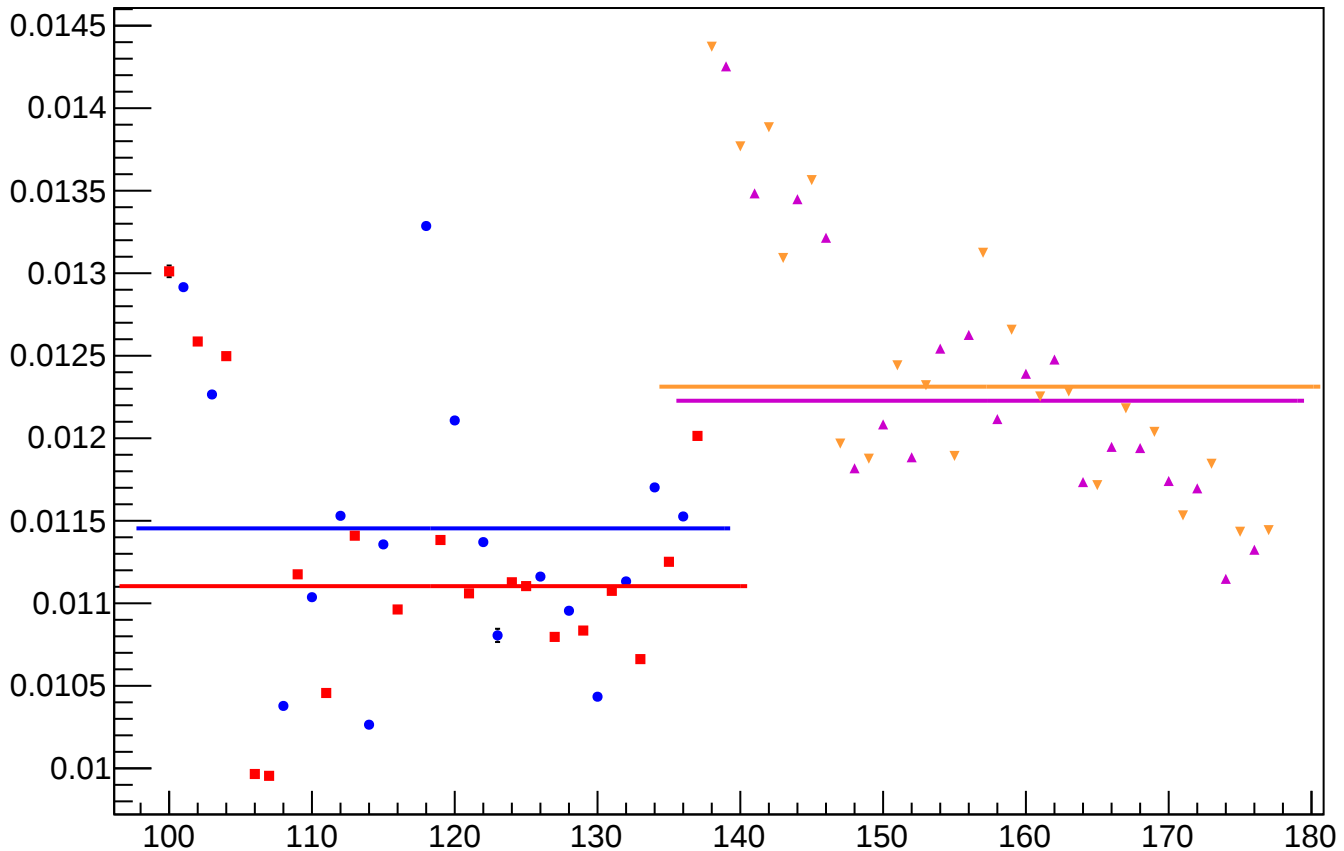
Left In: -0.443+/-0.000 χ^2/NDF : 8261608576.9/18

+ sign -0.465+/-0.000 χ^2/NDF : 11122008615.3/37

All: -0.461+/-0.000 χ^2/NDF : 22137177021.5

- sign -0.457+/-0.000 χ^2/NDF : 11010574246.2/37

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 :114540.3/20

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

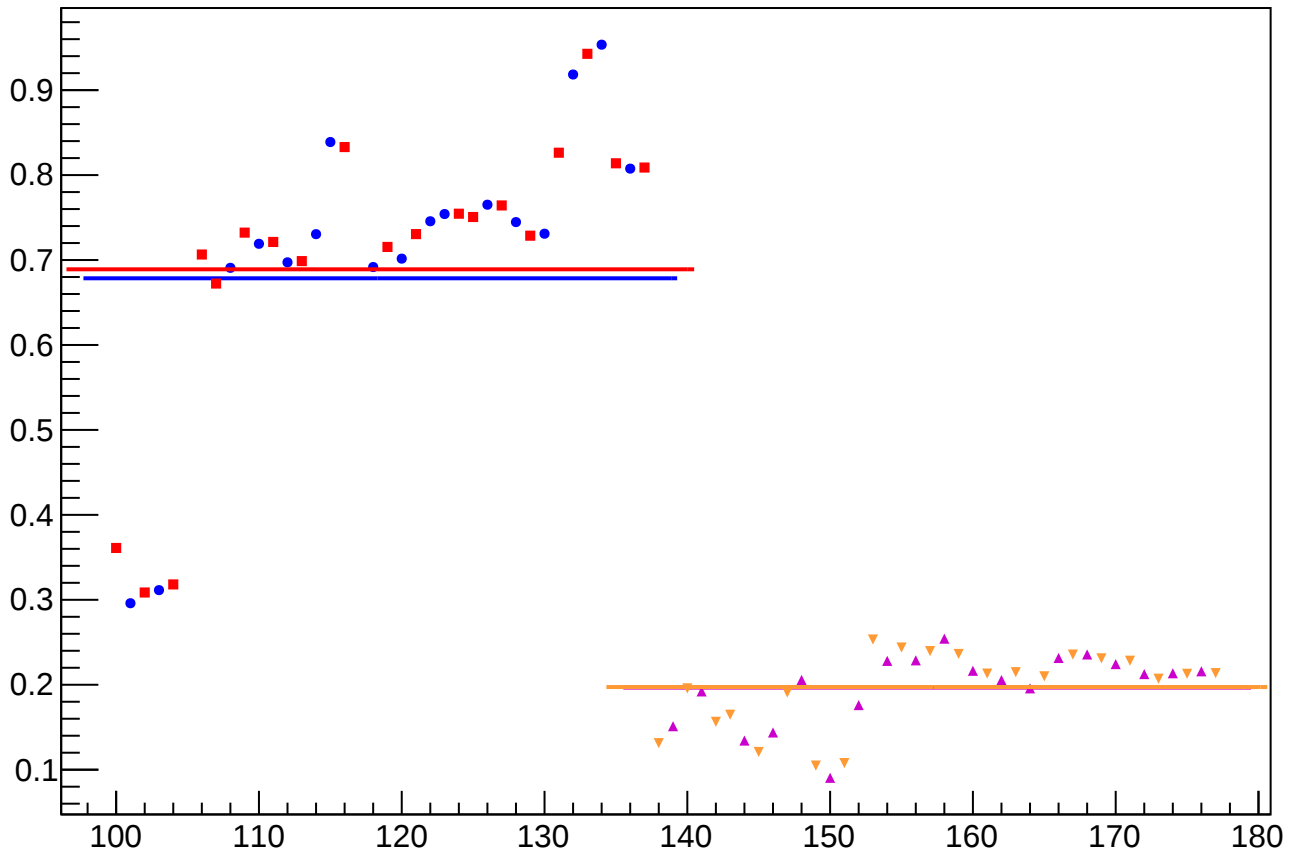
Left In: 0.012+/-0.000 χ^2/NDF :100804.1/18

+ sign 0.012+/-0.000 χ^2/NDF : 227827.0/37

All: 0.012+/-0.000 χ^2/NDF : 480774.5/75

- sign 0.012+/-0.000 χ^2/NDF : 245596.9/37

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.197 $\pm$ 0.000 χ^2 /NDF: 6644898587.1/20

Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

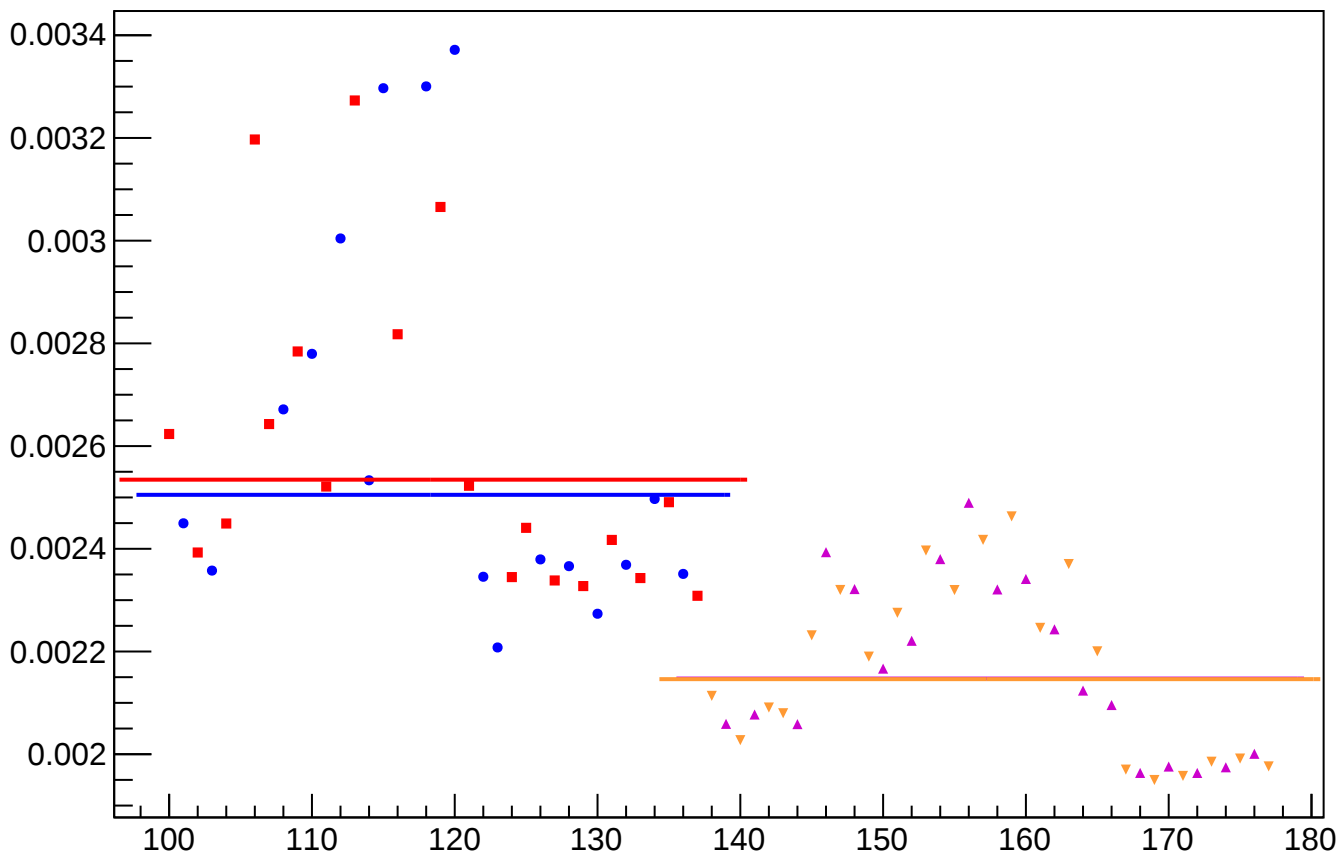
Left In: 0.197 $\pm$ 0.000 χ^2 /NDF: 5298807556.8/18

+ sign 0.309 $\pm$ 0.000 χ^2 /NDF: 225870318823.4/37

All: 0.314 $\pm$ 0.000 χ^2 /NDF: 456567063560.9

- sign 0.320 $\pm$ 0.000 χ^2 /NDF: 230434811588.5/37

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 :187444.9/20

Right Out: 0.003+/-0.000 χ^2/NDF : 131609.0/18

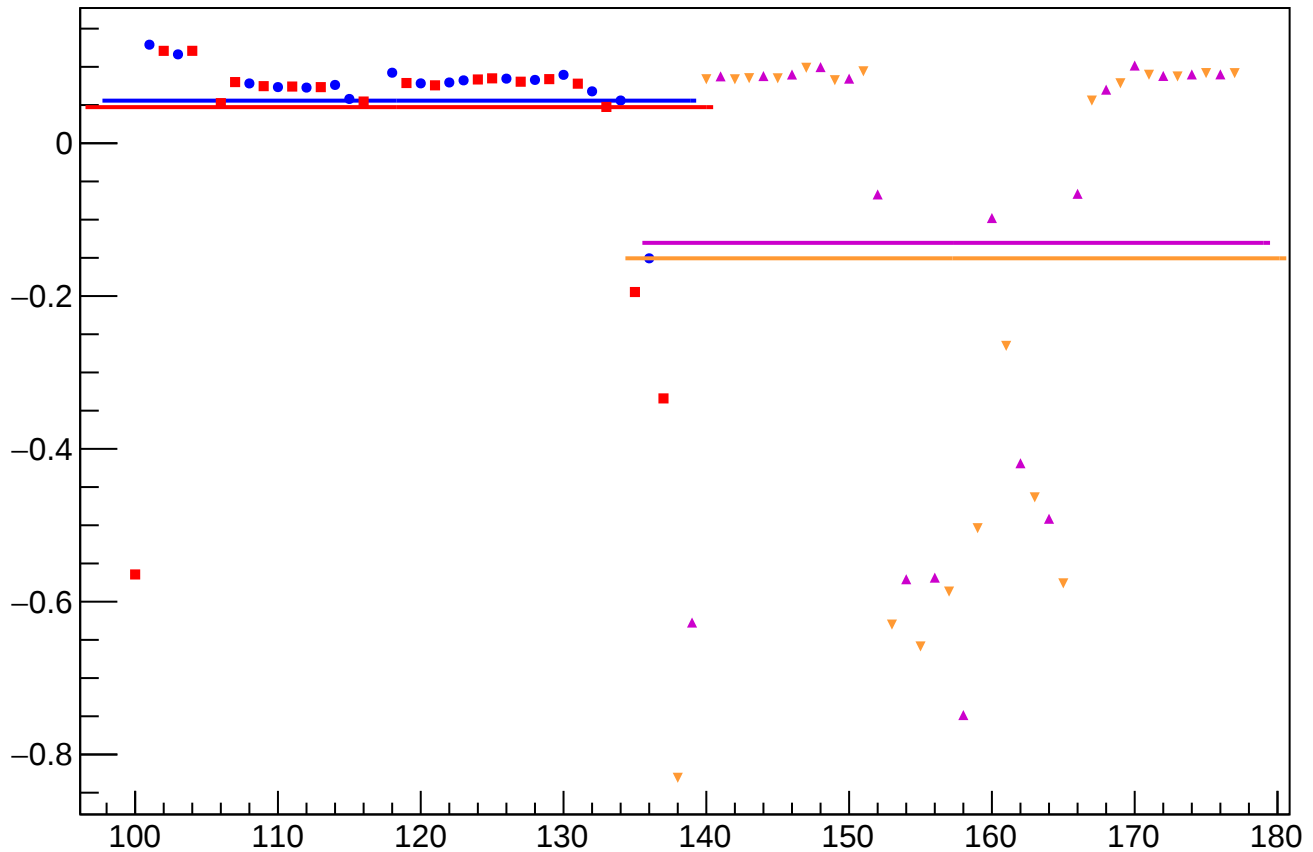
Left In: 0.002+/-0.000 χ^2/NDF :162036.1/18

+ sign 0.002+/-0.000 χ^2/NDF : 564082.2/37

All: 0.002+/-0.000 χ^2/NDF : 1093466.8/75

- sign 0.002+/-0.000 χ^2/NDF : 528437.2/37

yield_bpm0l08X_mean vs Slug



Right In: 0.056 ± 0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.151 ± 0.000 χ^2/NDF : 12574428752.4/20

Right Out: 0.047 ± 0.000 χ^2/NDF : 819588537.2/18

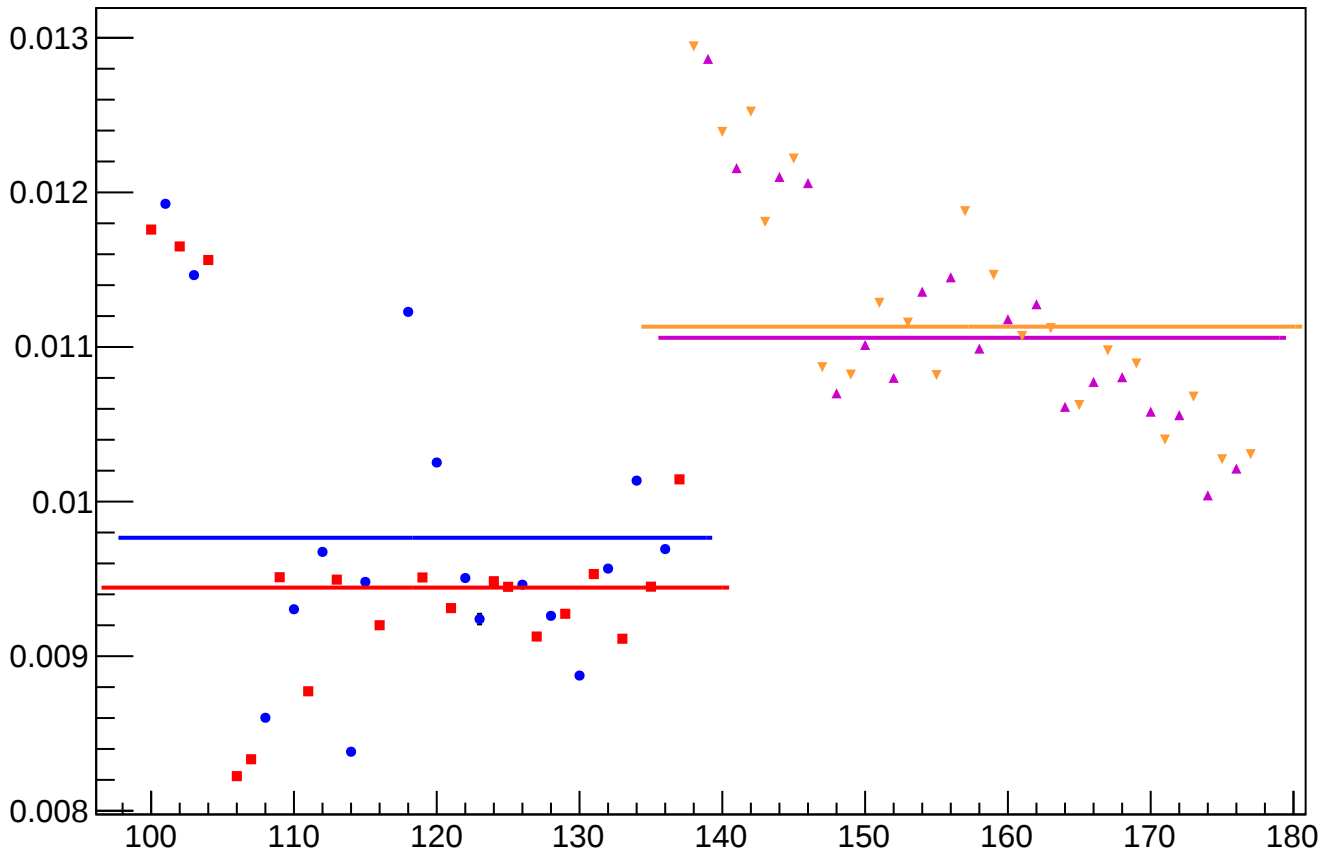
Left In: -0.130 ± 0.000 χ^2/NDF : 10115570084.5/18

+ sign -0.077 ± 0.000 χ^2/NDF : 14846039036.4/37

All: -0.068 ± 0.000 χ^2/NDF : 27270184029.1/37

- sign -0.059 ± 0.000 χ^2/NDF : 12392429803.9/37

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 : 112537.8/20

Right Out: 0.009+/-0.000 χ^2/NDF : 110693.8/18

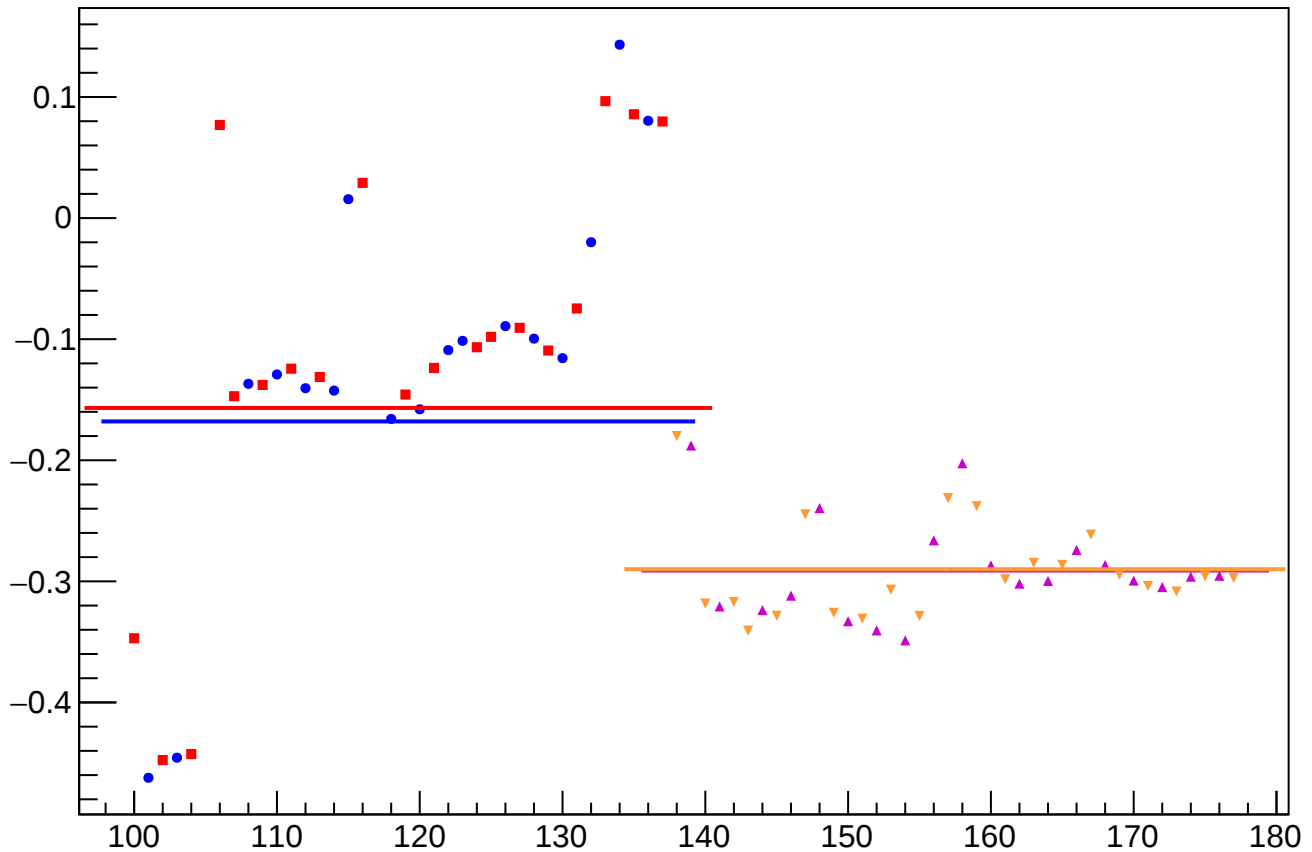
Left In: 0.011+/-0.000 χ^2/NDF : 102216.2/18

+ sign 0.011+/-0.000 χ^2/NDF : 391086.2/37

All: 0.011+/-0.000 χ^2/NDF : 855807.3/75

- sign 0.010+/-0.000 χ^2/NDF : 454077.0/37

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.290+/-0.000 χ^2/NDF : 2856539265.8/20

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

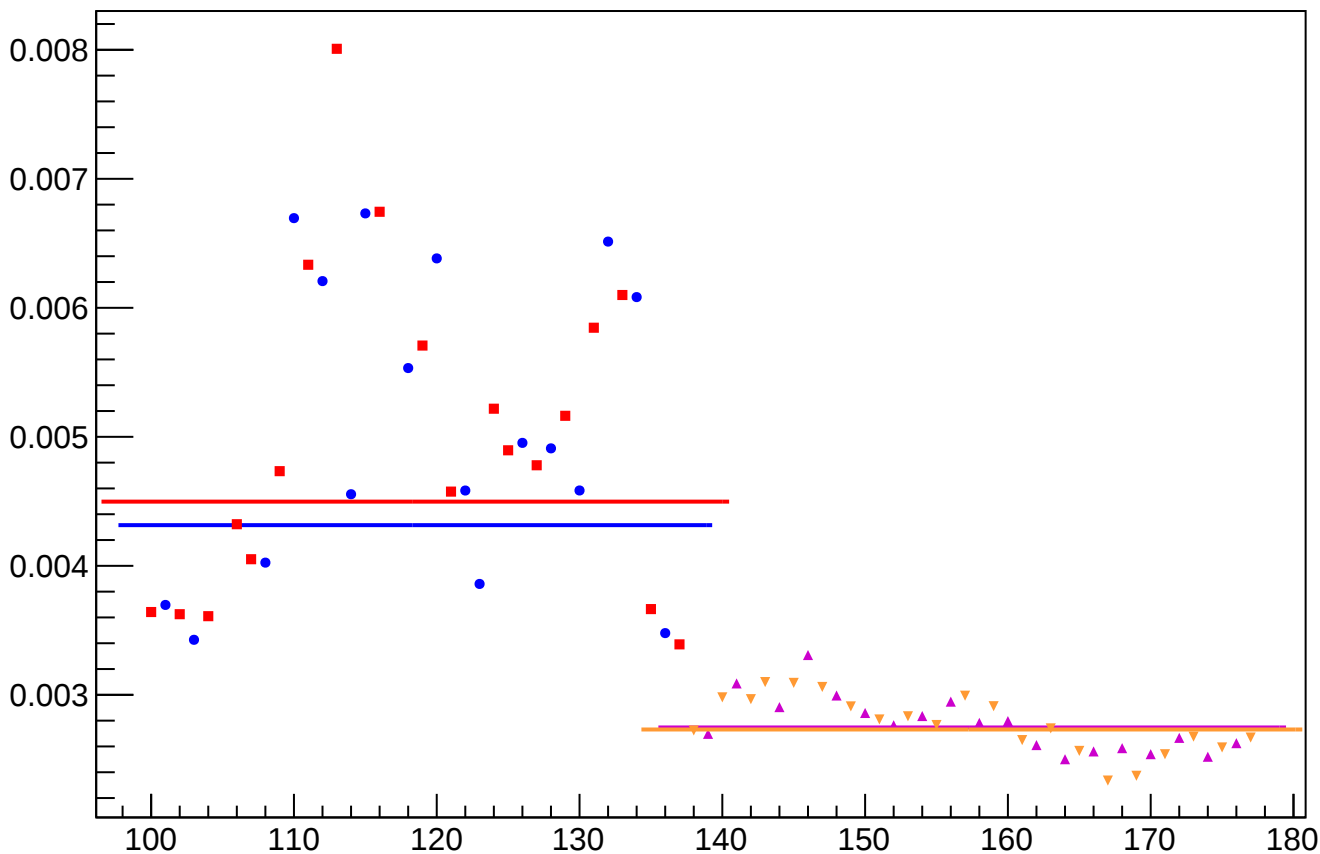
Left In: -0.291+/-0.000 χ^2/NDF : 3119830550.1/18

+ sign -0.274+/-0.000 χ^2/NDF : 19214875348.4/37

All: -0.273+/-0.000 χ^2/NDF : 38118805748.1/37

- sign -0.272+/-0.000 χ^2/NDF : 18900534874.3/37

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:196533.2/20

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 649708.4/18

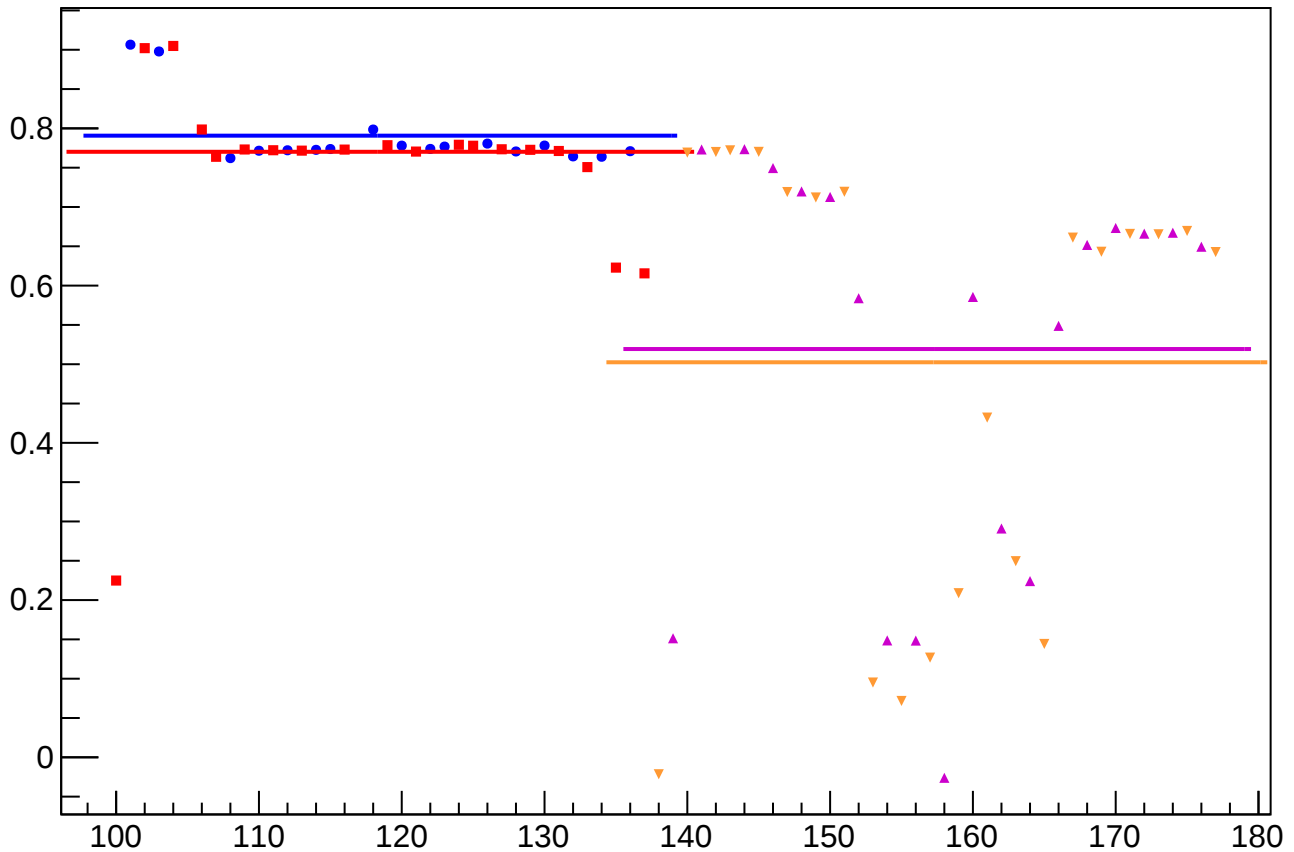
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:140704.8/18

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2172069.6/37

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4585386.9/75

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2407028.8/37

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.502 $\pm$ 0.000 χ^2 /NDF: 9217928554.3/20

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375442189.7/18

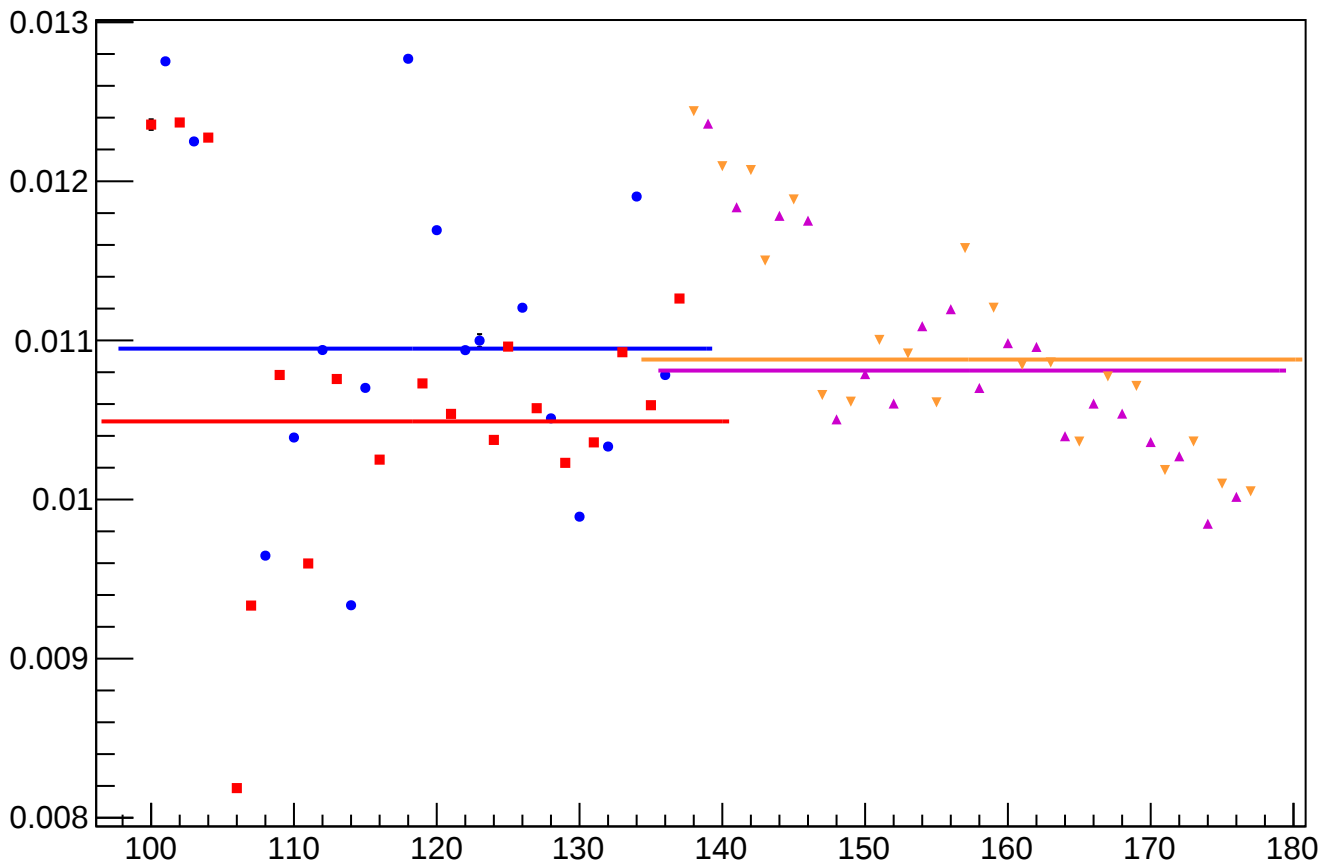
Left In: 0.519 $\pm$ 0.000 χ^2 /NDF: 7574890969.6/18

+ sign 0.588 $\pm$ 0.000 χ^2 /NDF: 12471163375.1/37

All: 0.596 $\pm$ 0.000 χ^2 /NDF: 23045608817.1/7

- sign 0.605 $\pm$ 0.000 χ^2 /NDF: 10546538414.1/37

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:101935.6/20

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 119420.8/18

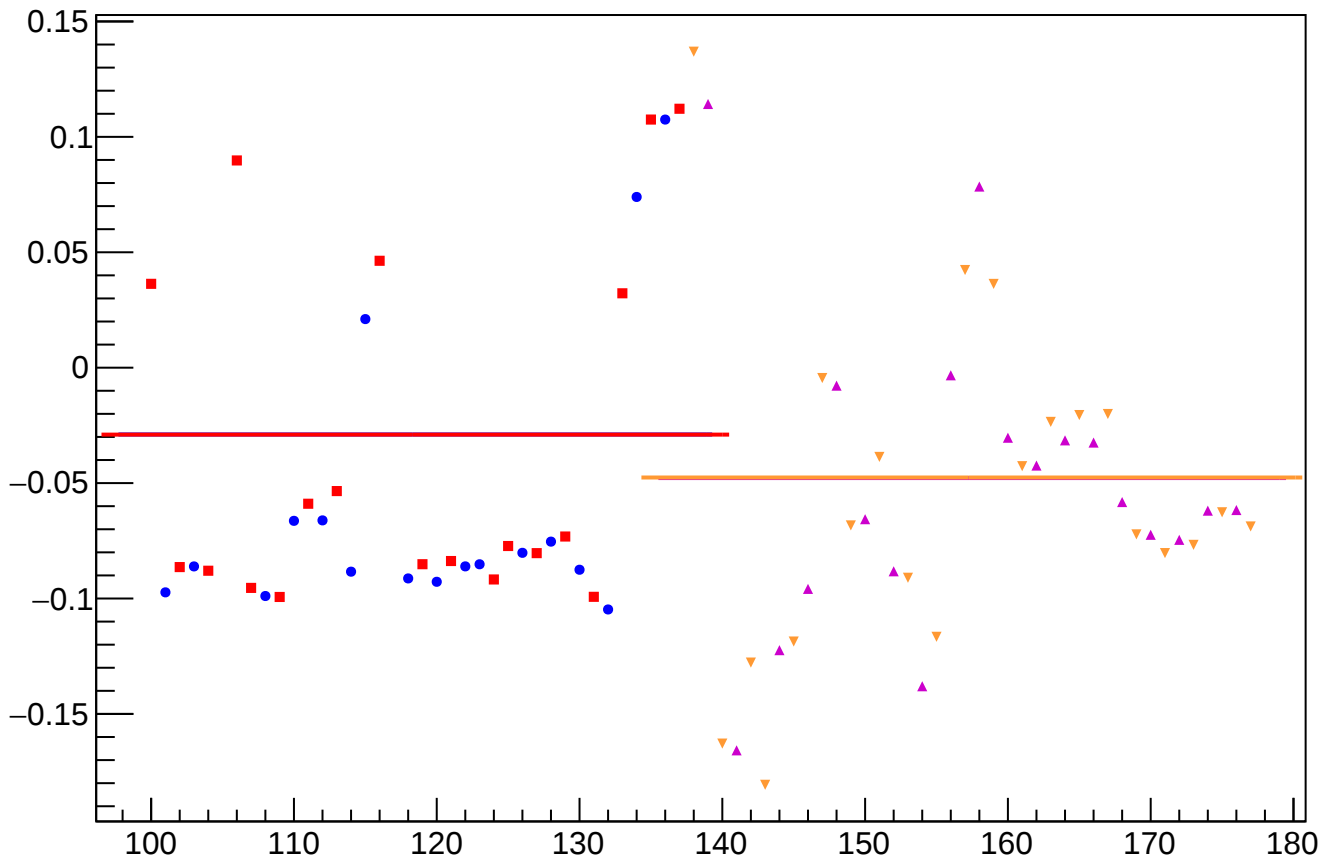
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:92295.4/18

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 200843.1/37

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 428209.3/75

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 220141.5/37

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.048+/-0.000 χ^2/NDF : 7128550482.2/20

Right Out: -0.029+/-0.000 χ^2/NDF : 2113349669.8/18

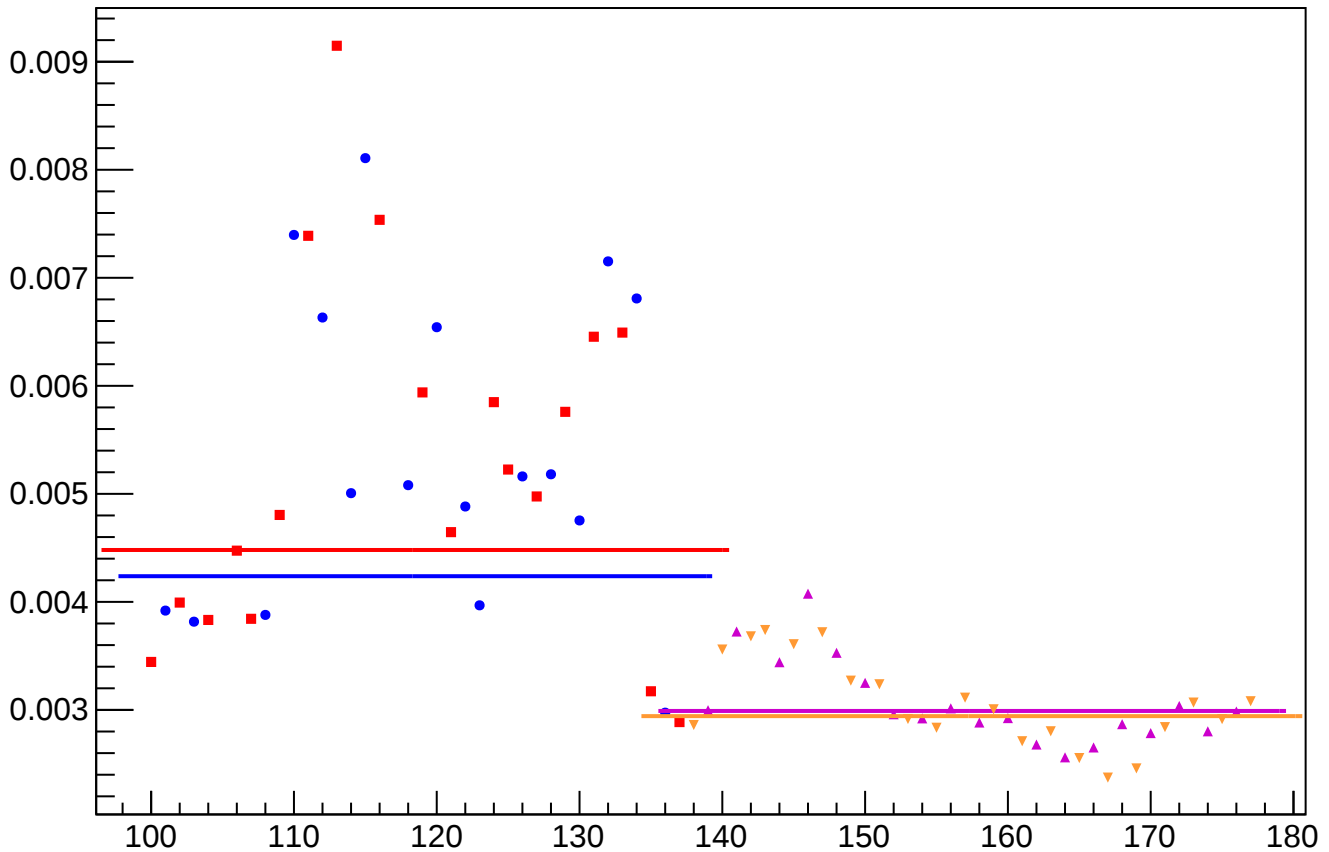
Left In: -0.048+/-0.000 χ^2/NDF : 6047852536.6/18

+ sign -0.045+/-0.000 χ^2/NDF : 9664192643.6/37

All: -0.045+/-0.000 χ^2/NDF : 17912007548.8/37

- sign -0.045+/-0.000 χ^2/NDF : 8247811195.6/37

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 +/- 0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003 +/- 0.000 χ^2/NDF : 467246.1/20

Right Out: 0.004 +/- 0.000 χ^2/NDF : 984186.1/18

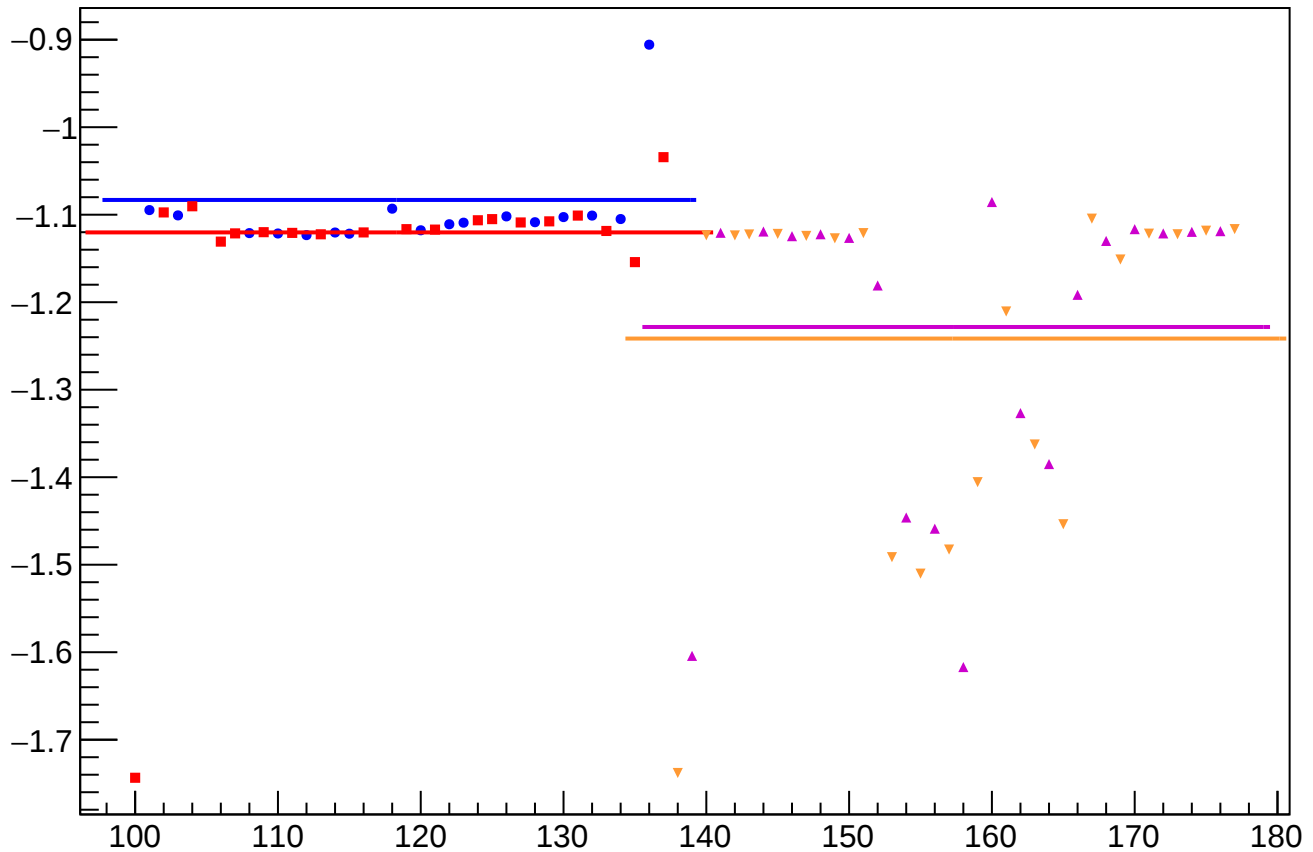
Left In: 0.003 +/- 0.000 χ^2/NDF : 316068.4/18

+ sign 0.003 +/- 0.000 χ^2/NDF : 2215256.3/37

All: 0.003 +/- 0.000 χ^2/NDF : 4616114.6/75

- sign 0.003 +/- 0.000 χ^2/NDF : 2385610.5/37

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.242+/-0.000 χ^2/NDF : 4906885260.3/20

Right Out: -1.120+/-0.000 χ^2/NDF : 220571280.7/18

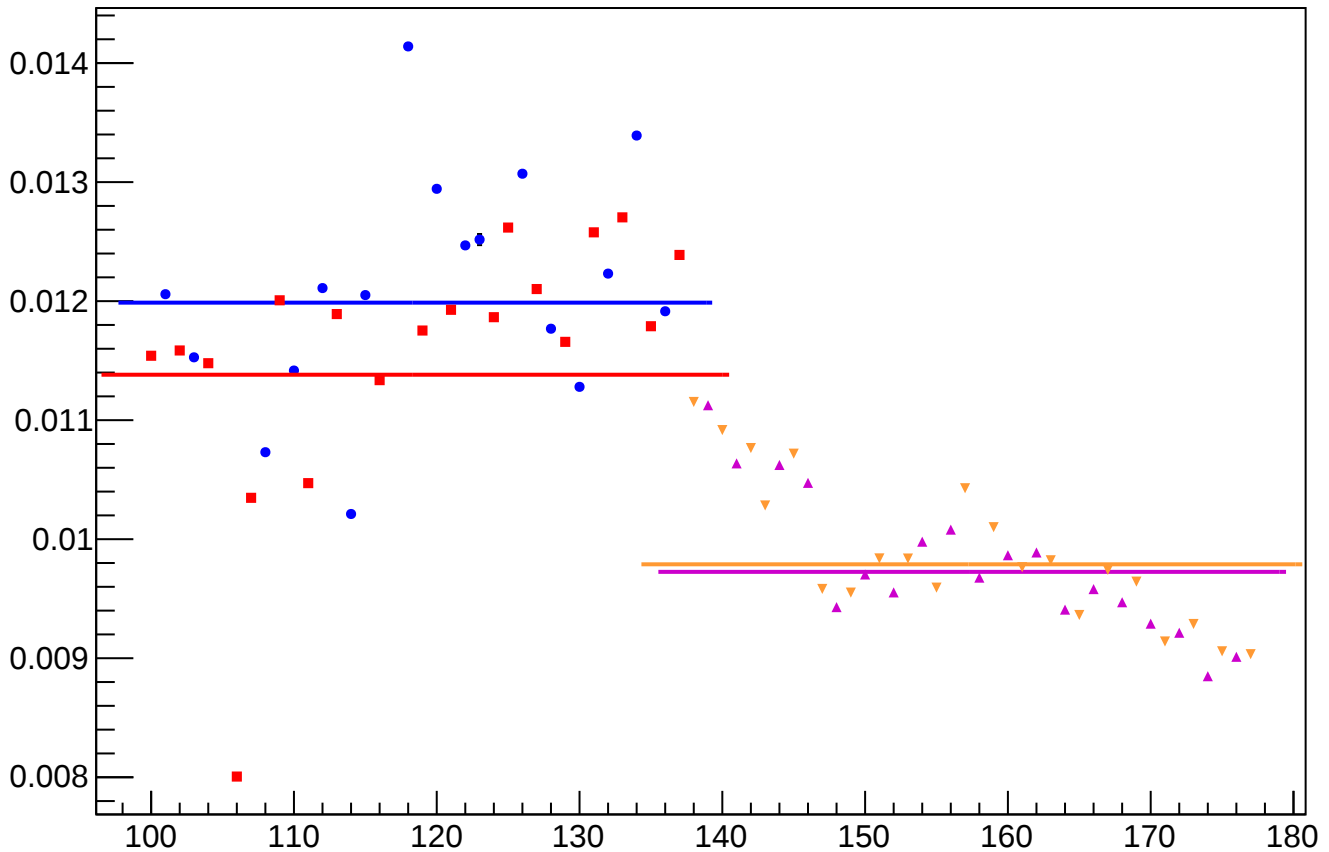
Left In: -1.228+/-0.000 χ^2/NDF : 4204348204.2/18

+ sign -1.207+/-0.000 χ^2/NDF : 5986661090.4/37

All: -1.203+/-0.000 χ^2/NDF : 10872305417.4/74

- sign -1.200+/-0.000 χ^2/NDF : 4881209904.1/37

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:102649.3/20

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

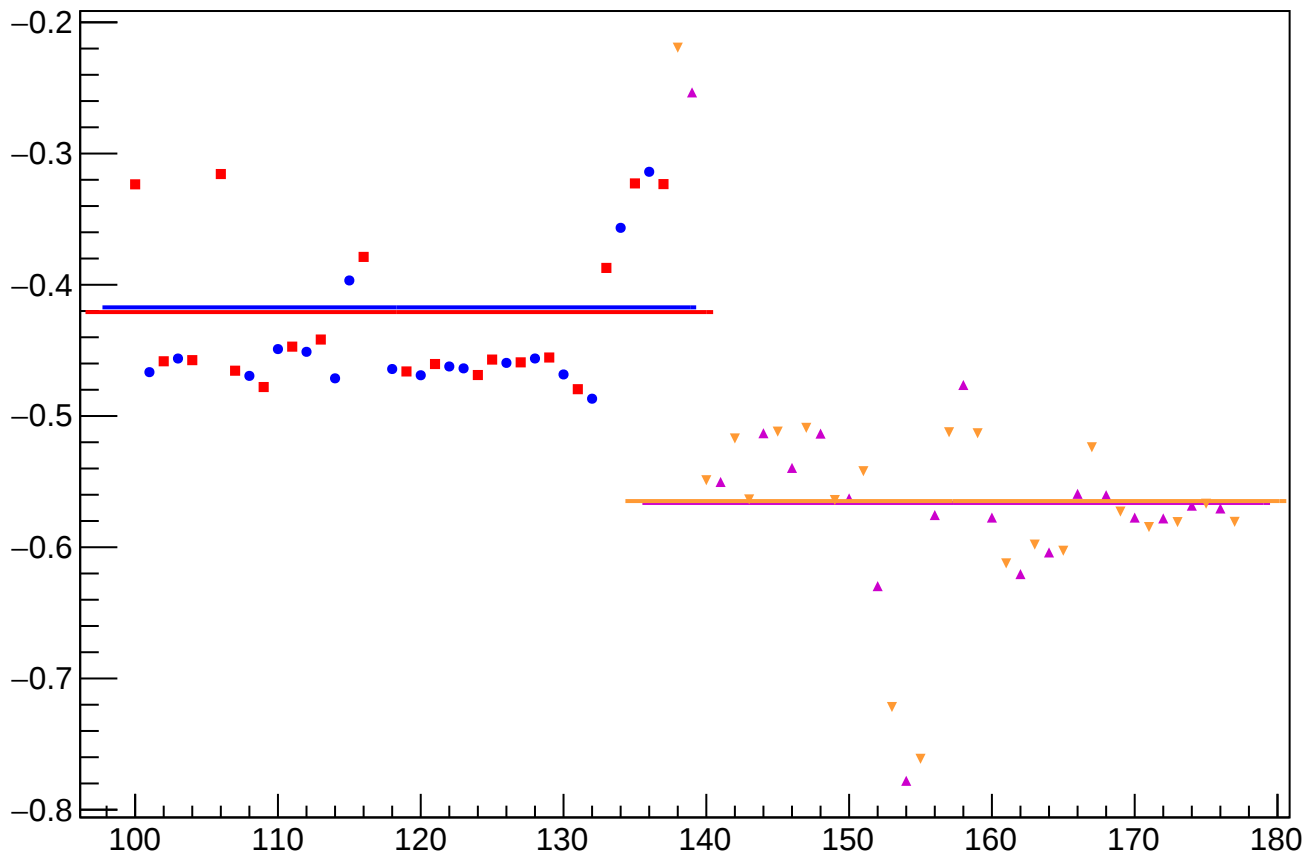
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:92044.1/18

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 500842.5/37

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 964347.5/75

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 460845.0/37

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.565+/-0.000 χ^2/NDF : 13329606118.4/20

Right Out: -0.421+/-0.000 χ^2/NDF : 1646463410.7/18

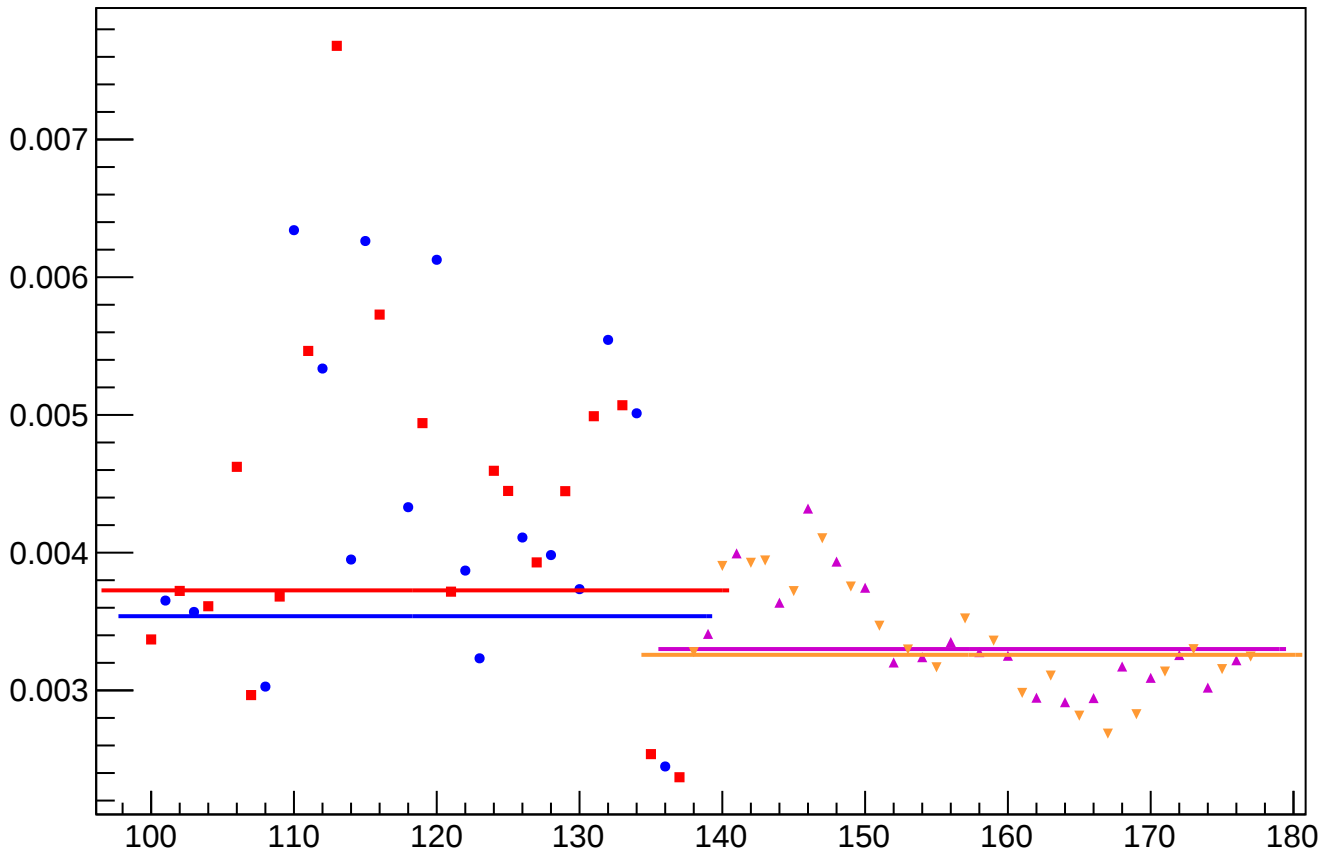
Left In: -0.566+/-0.000 χ^2/NDF : 10433180504.7/18

+ sign -0.530+/-0.000 χ^2/NDF : 22577500714.8/37

All: -0.530+/-0.000 χ^2/NDF : 41333075468.8/37

- sign -0.530+/-0.000 χ^2/NDF : 18755574748.0/37

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:374563.8/20

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 898447.6/18

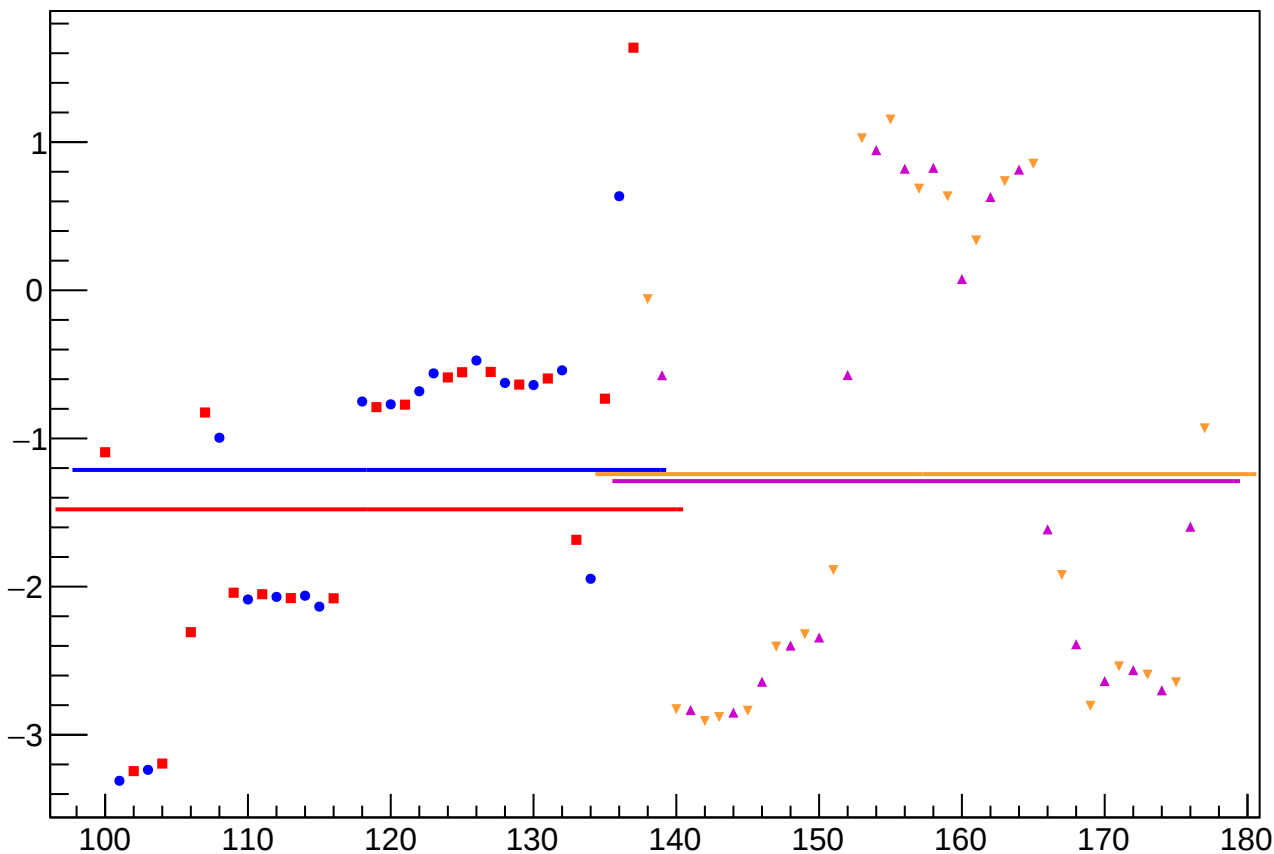
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:277193.8/18

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1262767.1/37

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2564812.2/75

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1290199.4/37

yield_bpm0r03X_mean vs Slug



Right In: -1.212 $\pm$ 0.000 χ^2 /NDF: 1992853443.9/16

Left Out: -1.241 $\pm$ 0.000 χ^2 /NDF: 6726296782.8/20

Right Out: -1.478 $\pm$ 0.000 χ^2 /NDF: 1578264383.8/18

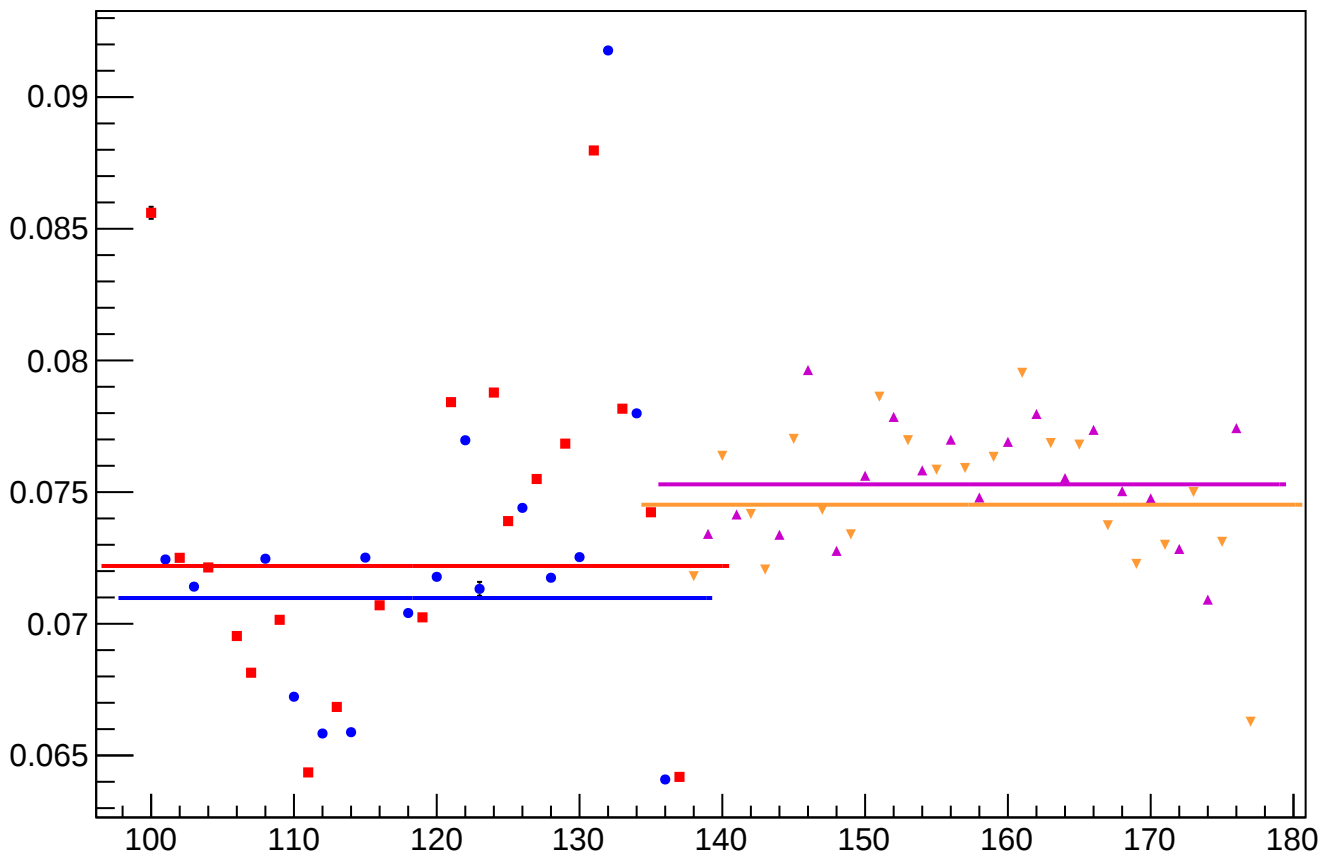
Left In: -1.288 $\pm$ 0.000 χ^2 /NDF: 5510882063.2/18

+ sign -1.232 $\pm$ 0.000 χ^2 /NDF: 8719858688.7/37

All: -1.291 $\pm$ 0.000 χ^2 /NDF: 15870356665.5/77

- sign -1.354 $\pm$ 0.000 χ^2 /NDF: 7120895629.2/37

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: 49871.0/20

Right Out: 0.072 $\pm$ 0.000 χ^2 /NDF: 73228.9/18

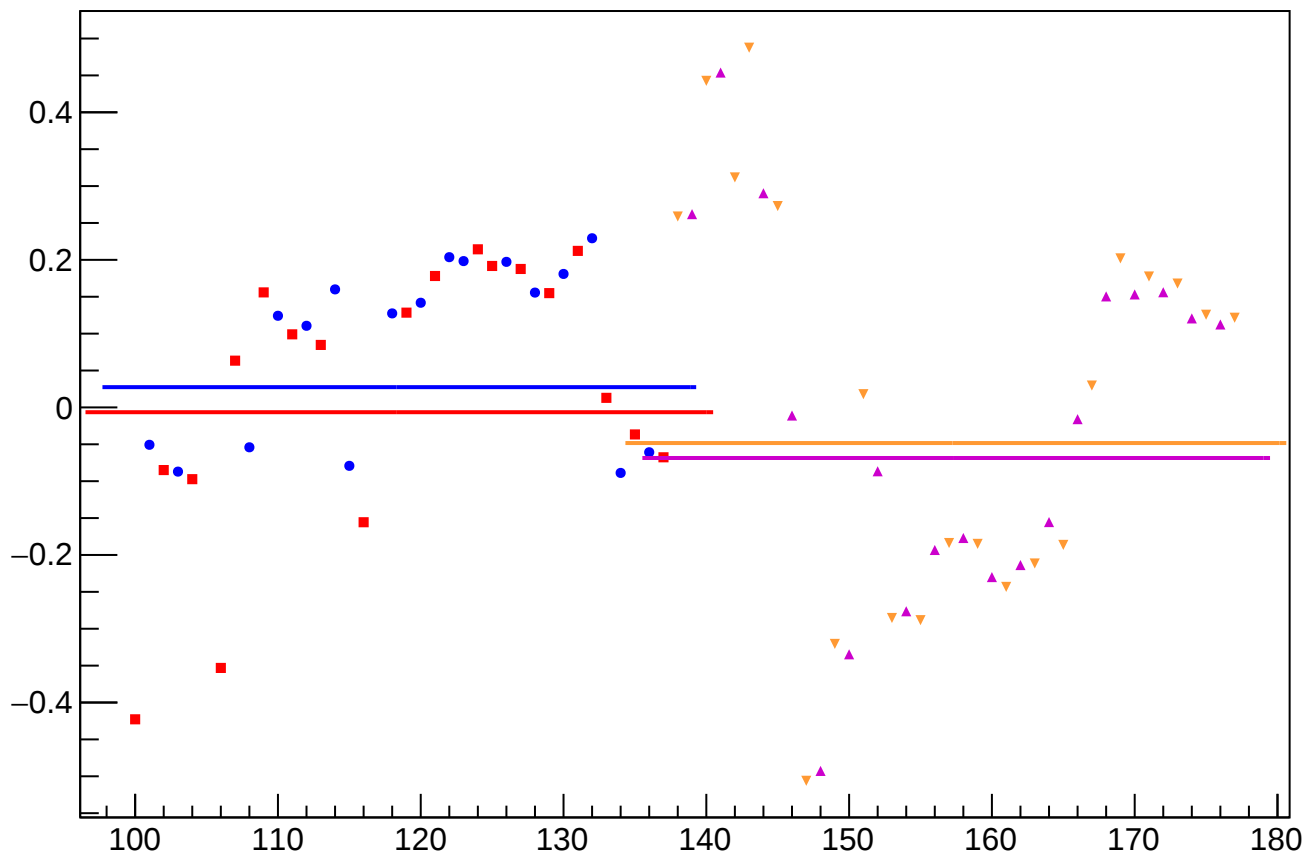
Left In: 0.075 $\pm$ 0.000 χ^2 /NDF: 23034.9/18

+ sign 0.073 $\pm$ 0.000 χ^2 /NDF: 149795.2/37

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 265615.1/75

- sign 0.074 $\pm$ 0.000 χ^2 /NDF: 113069.7/37

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.048+/-0.000 χ^2/NDF : 18915766384.1/20

Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

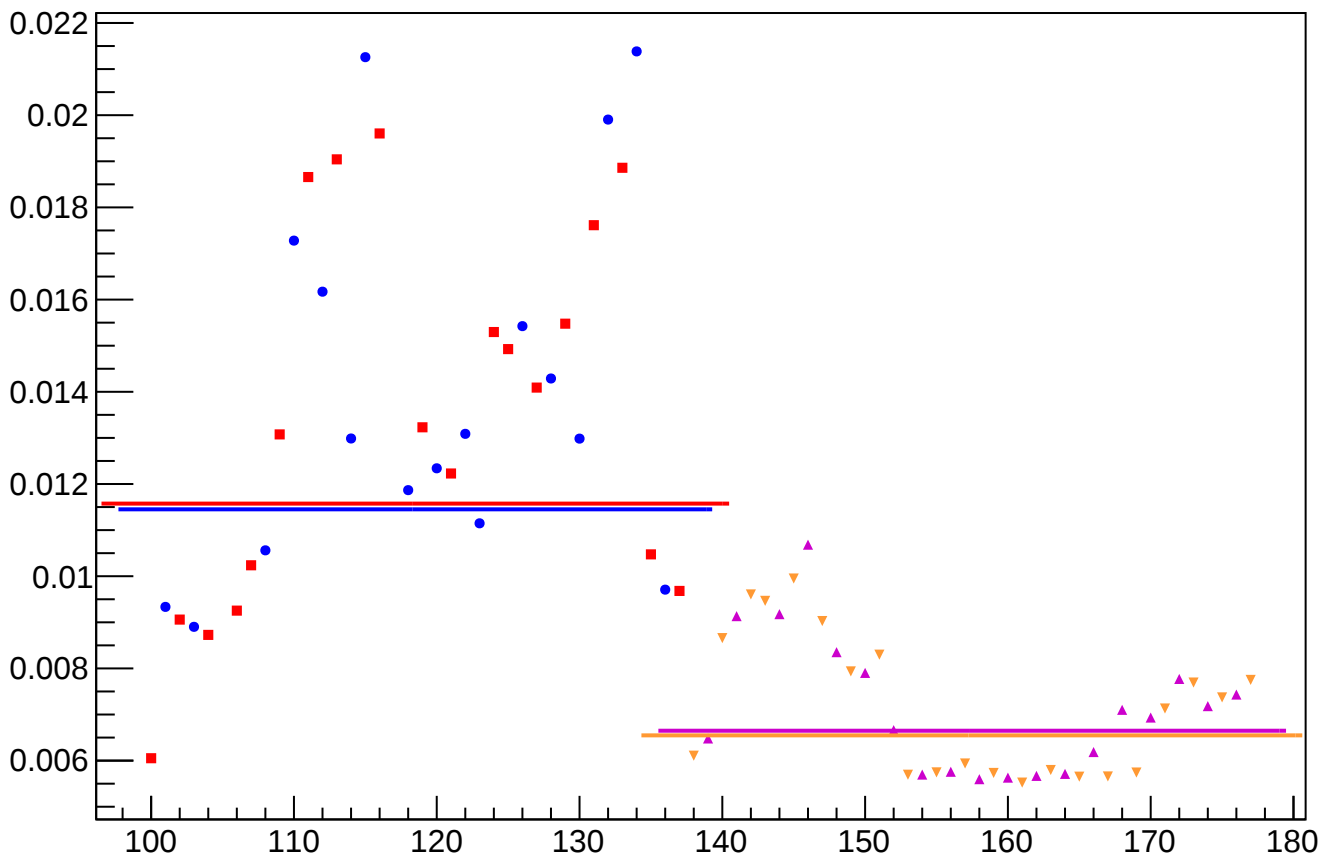
Left In: -0.069+/-0.000 χ^2/NDF : 14230751708.1/18

+ sign -0.040+/-0.000 χ^2/NDF : 19700662713.4/37

All: -0.050+/-0.000 χ^2/NDF : 35360165233.7/37

- sign -0.061+/-0.000 χ^2/NDF : 15578844067.5/37

yield_bpm0r03Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 679628.0/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1039557.9/20

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 997161.1/18

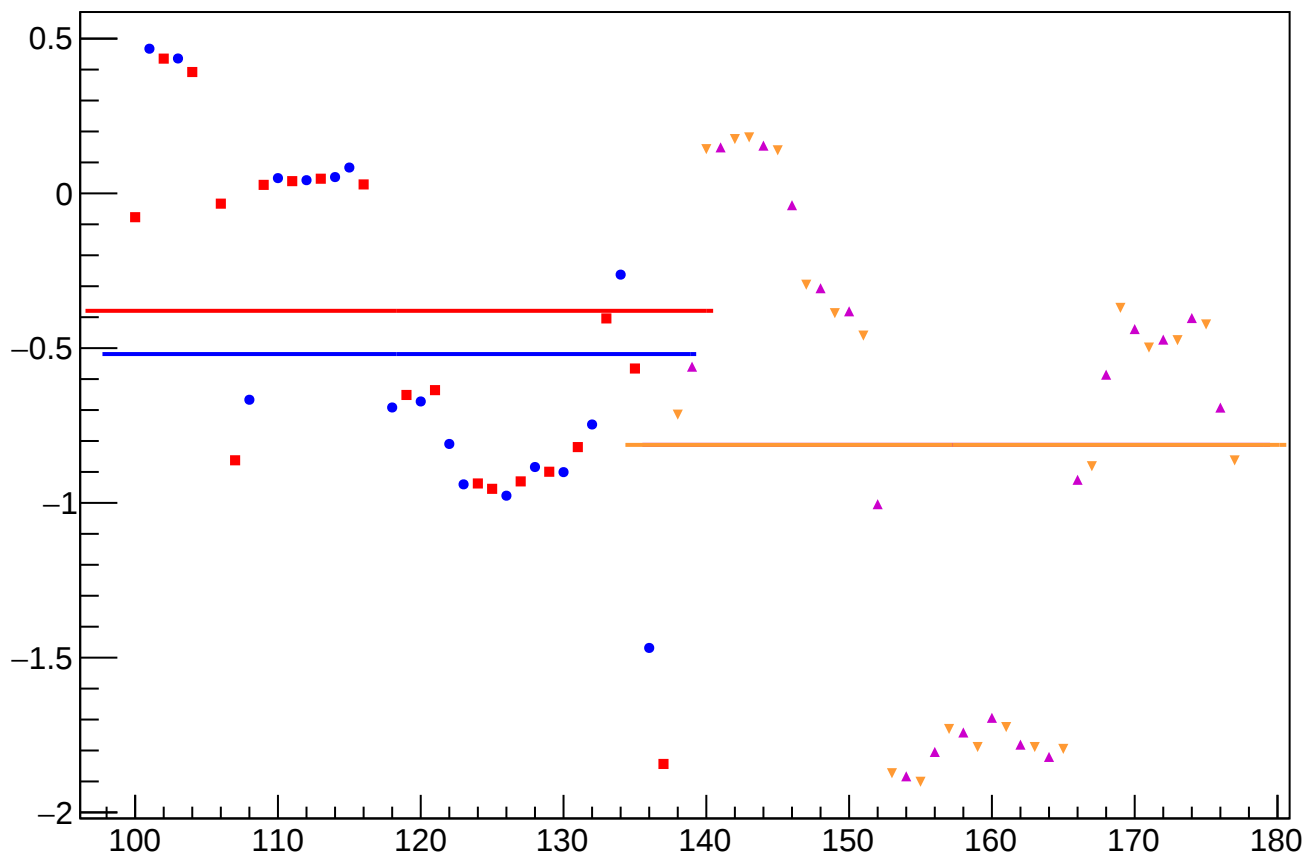
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:854388.2/18

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3583579.8/37

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7320202.4/75

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3726833.9/37

yield_bpm0r05X_mean vs Slug



Right In: -0.519+/-0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.813+/-0.000 χ^2/NDF : 1082004268.6/20

Right Out: -0.379+/-0.000 χ^2/NDF : 268621179.0/18

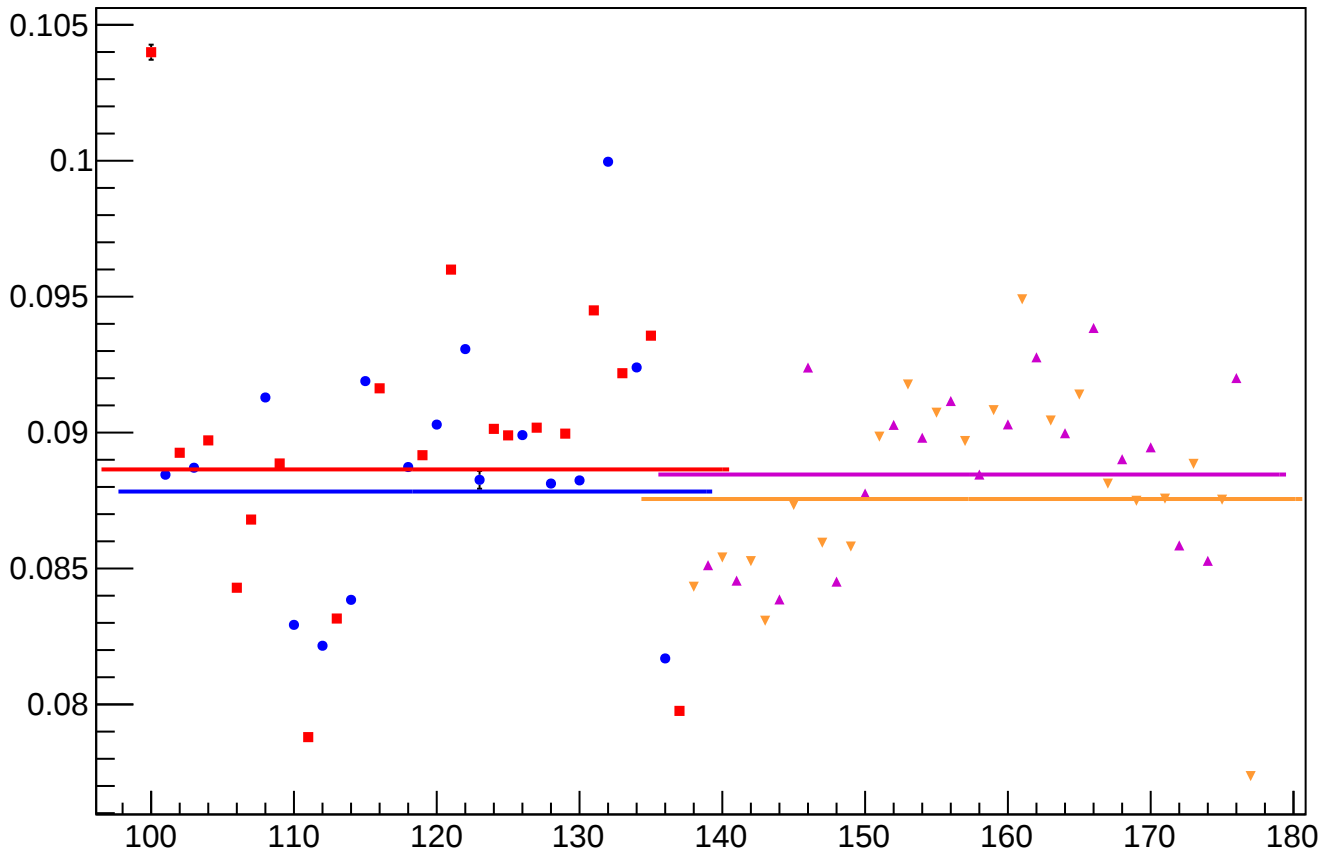
Left In: -0.812+/-0.000 χ^2/NDF : 919114144.6/18

+ sign -0.725+/-0.000 χ^2/NDF : 1473821205.8/37

All: -0.699+/-0.000 χ^2/NDF : 2779666343.0/7

- sign -0.671+/-0.000 χ^2/NDF : 1301644088.9/37

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:58456.7/20

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 39722.9/18

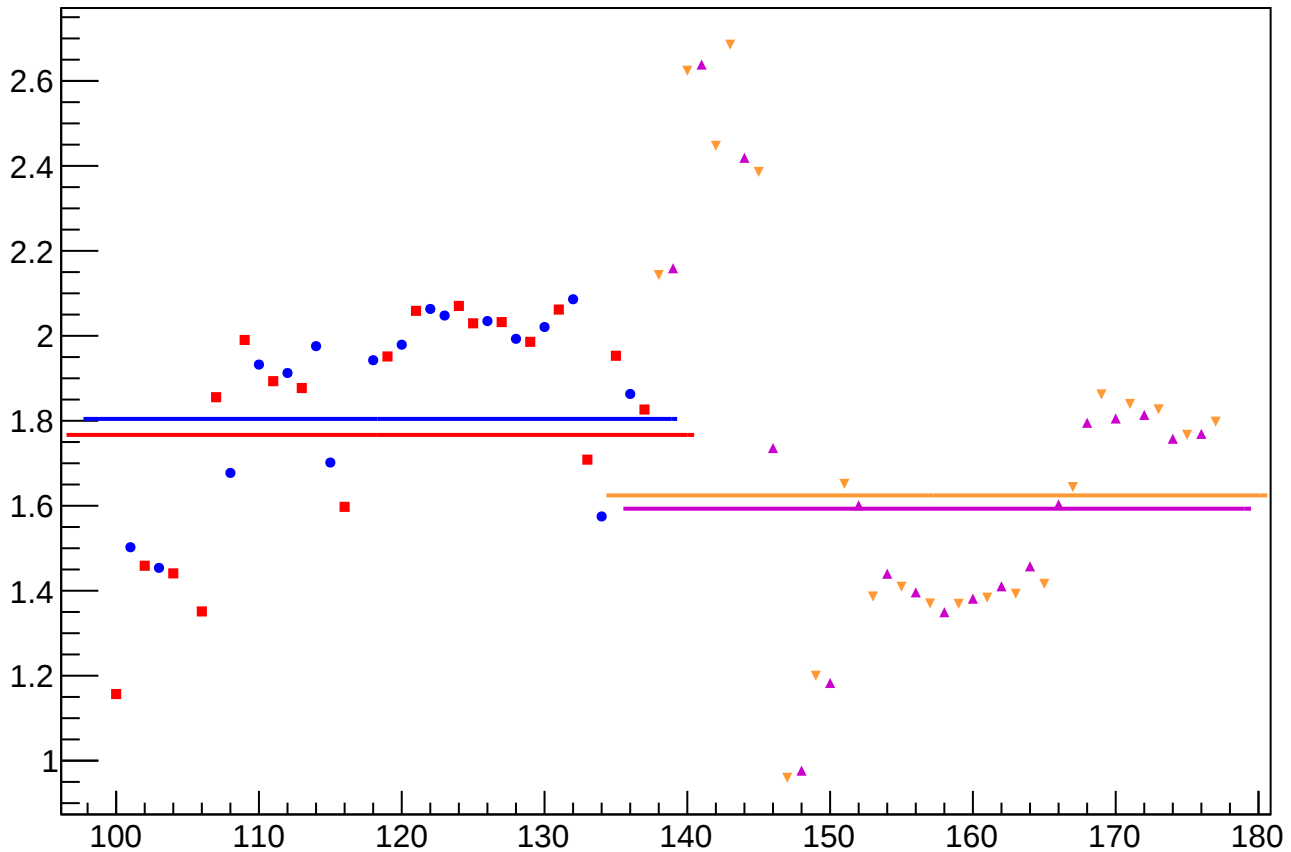
Left In: 0.088 $\pm$ 0.000 χ^2 /NDF:33298.7/18

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 93503.1/37

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 168765.5/75

- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 73064.2/37

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 25497792887.5/20

Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1709259284.5/18

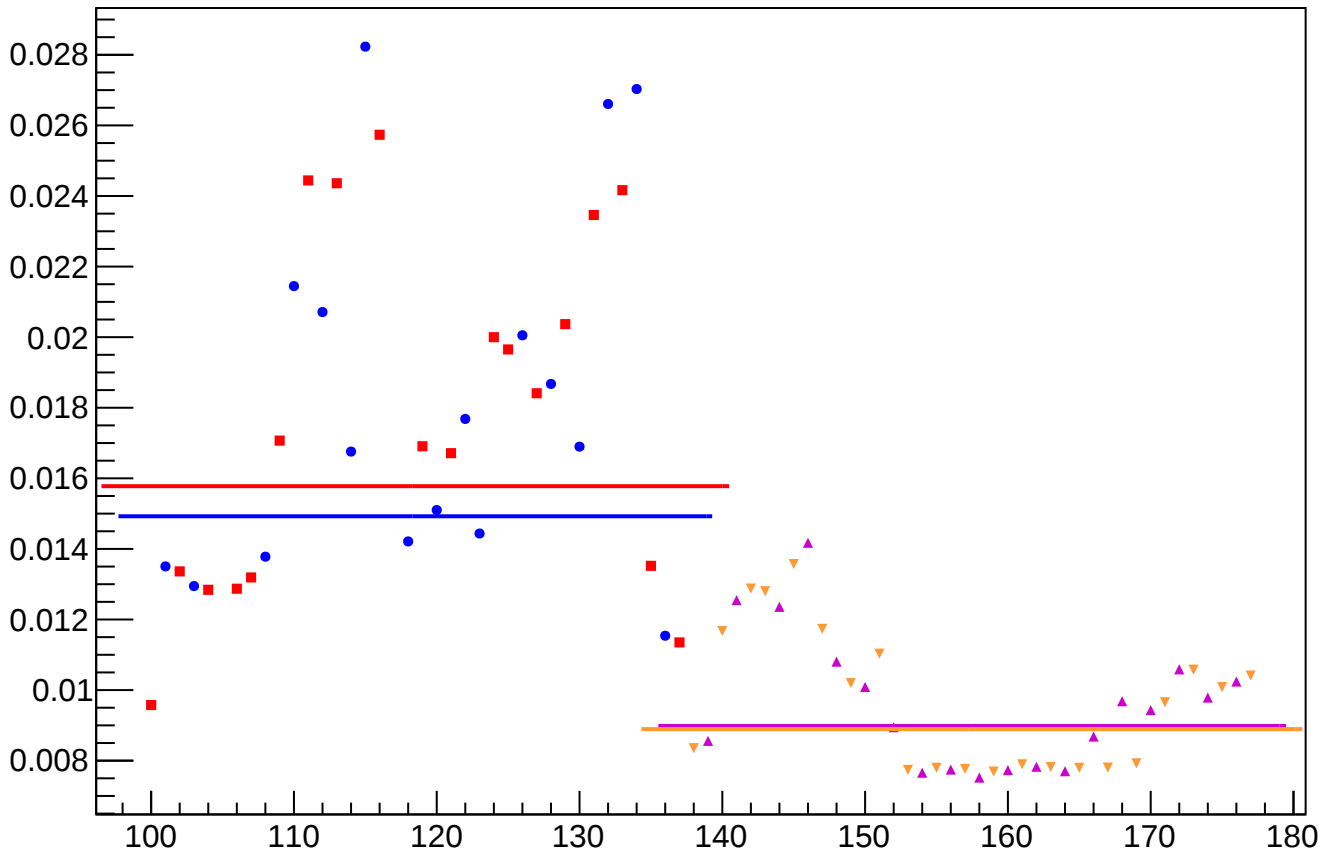
Left In: 1.593 $\pm$ 0.000 χ^2 /NDF: 19723908569.6/18

+ sign 1.646 $\pm$ 0.000 χ^2 /NDF: 27389017584.3/37

All: 1.631 $\pm$ 0.000 χ^2 /NDF: 49560538459.2/7

- sign 1.615 $\pm$ 0.000 χ^2 /NDF: 22072112824.3/37

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 : 958387.0/20

Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

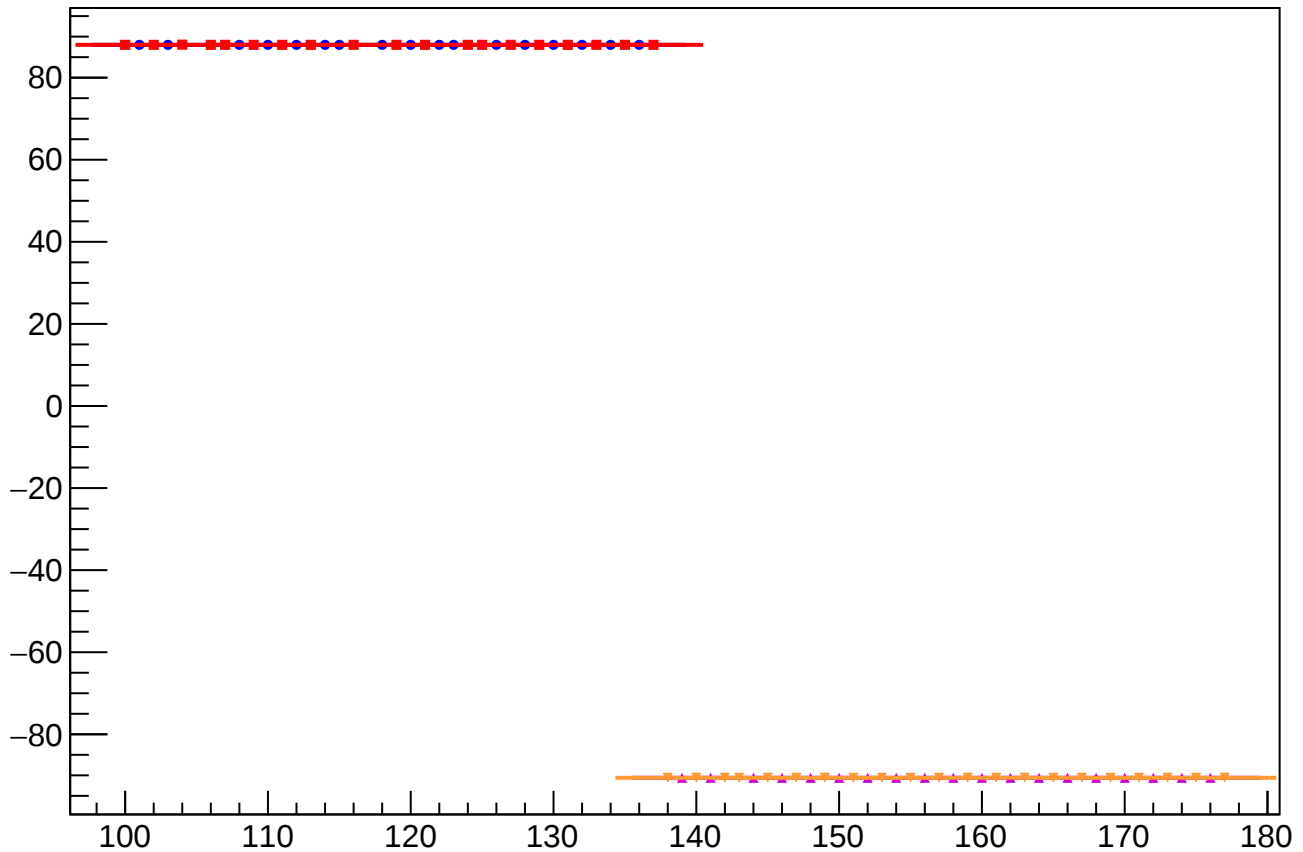
Left In: 0.009+/-0.000 χ^2/NDF : 814141.3/18

+ sign 0.010+/-0.000 χ^2/NDF : 3250085.5/37

All: 0.010+/-0.000 χ^2/NDF : 6814220.9/75

- sign 0.010+/-0.000 χ^2/NDF : 3555495.7/37

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: 6193757.2/20

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77545892857504626270604886016.0/18

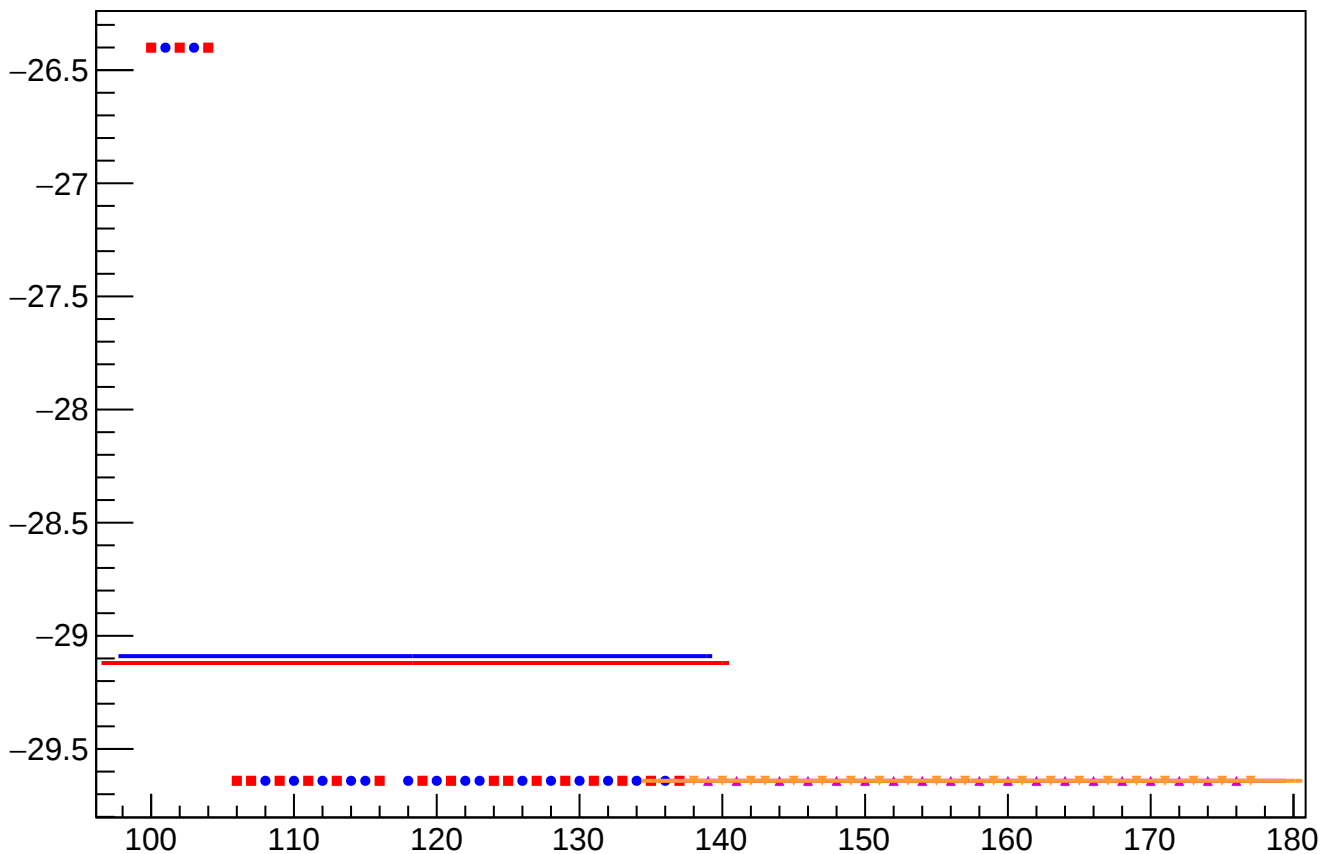
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5460280.6/18

+ sign -37.311 $\pm$ 0.000 χ^2 /NDF: 155321946172312

All: -35.187 $\pm$ 0.000 χ^2 /NDF: 311546112541

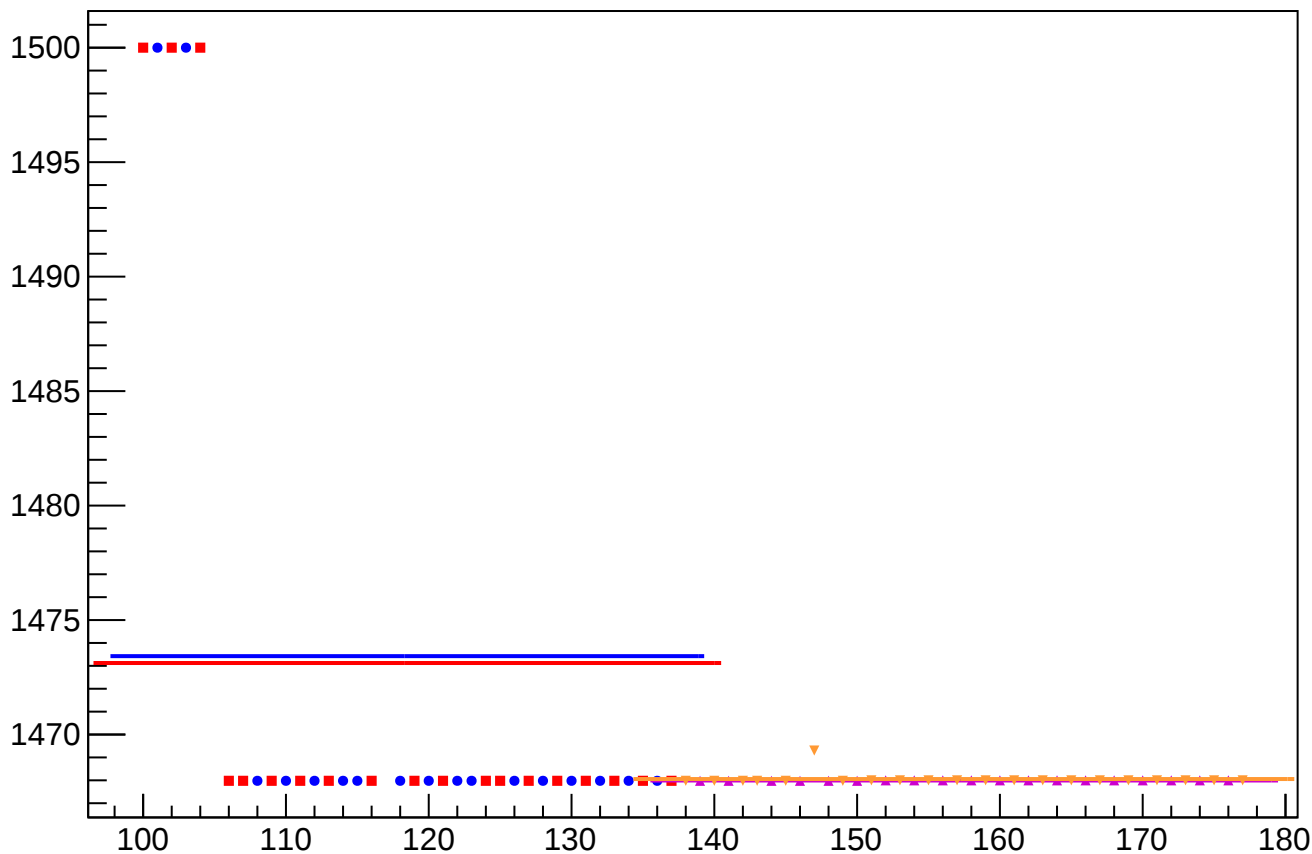
- sign -32.980 $\pm$ 0.000 χ^2 /NDF: 1560102465226938

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 : 230726.0/20 + sign -29.476+/-0.000 χ^2/NDF : 117587562098020
 Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18 All: -29.475+/-0.000 χ^2/NDF : 233049480105
 Left In: -29.641+/-0.000 χ^2/NDF : 159387.8/18 - sign -29.473+/-0.000 χ^2/NDF : 1154604662734561

epics_psub_pl_poss_mean vs Slug



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.056+/-0.000 χ^2/NDF : 127166964591025559887956343259136.0/20

Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18

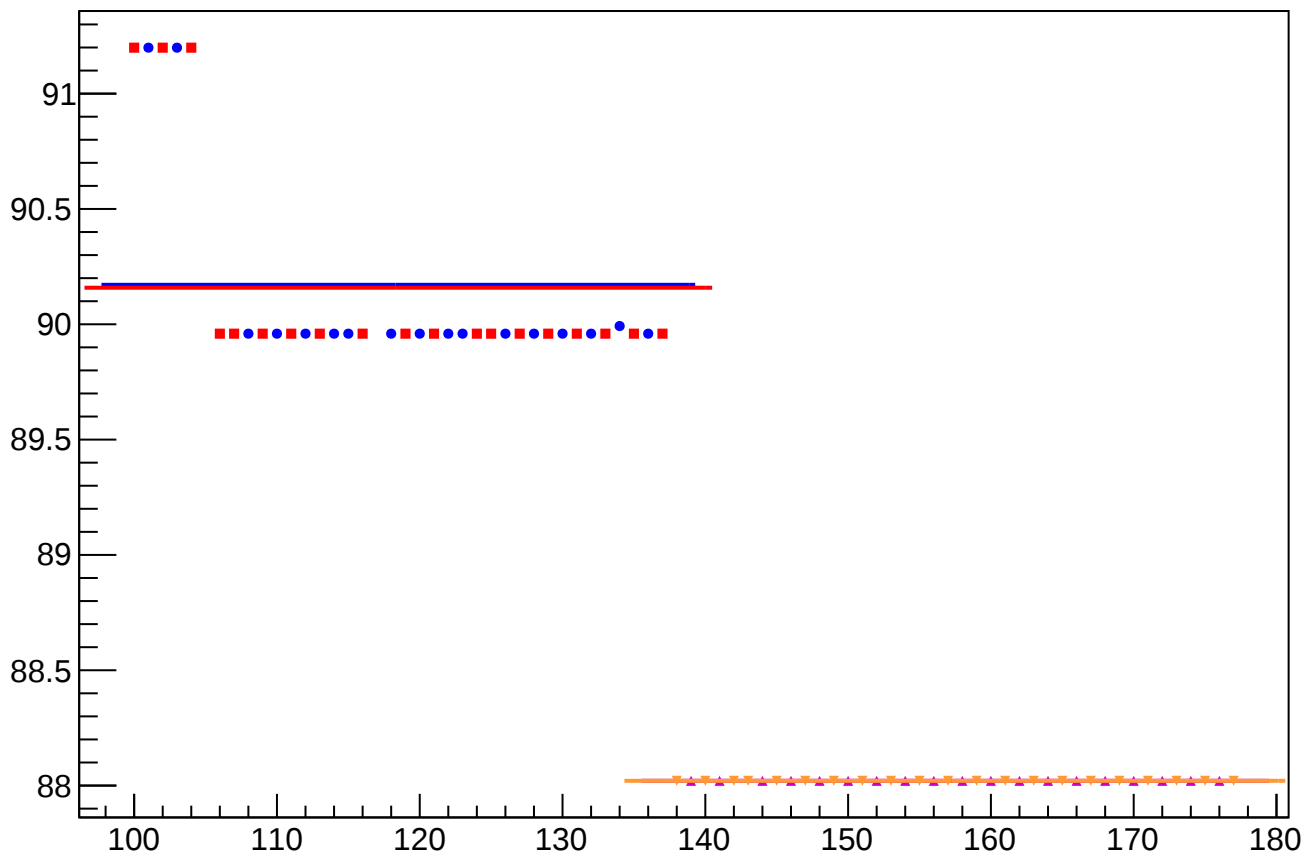
Left In: 1467.993+/-0.000 χ^2/NDF : 134172823188822308703673778176.0/18

+ sign 1469.658+/-0.000 χ^2/NDF : 11457805207780

All: 1469.653+/-0.000 χ^2/NDF : 22728891583

- sign 1469.648+/-0.000 χ^2/NDF : 11271075851508

epics_Phi_FGs_mean vs Slug



Right In: 90.171+/-0.000 χ^2/NDF : 150316905454500935857801185460224.0/16

Left Out: 88.021+/-0.000 χ^2/NDF : 4942888.8/20

Right Out: 90.159+/-0.000 χ^2/NDF : 149705165651000025160777180643328.0/18

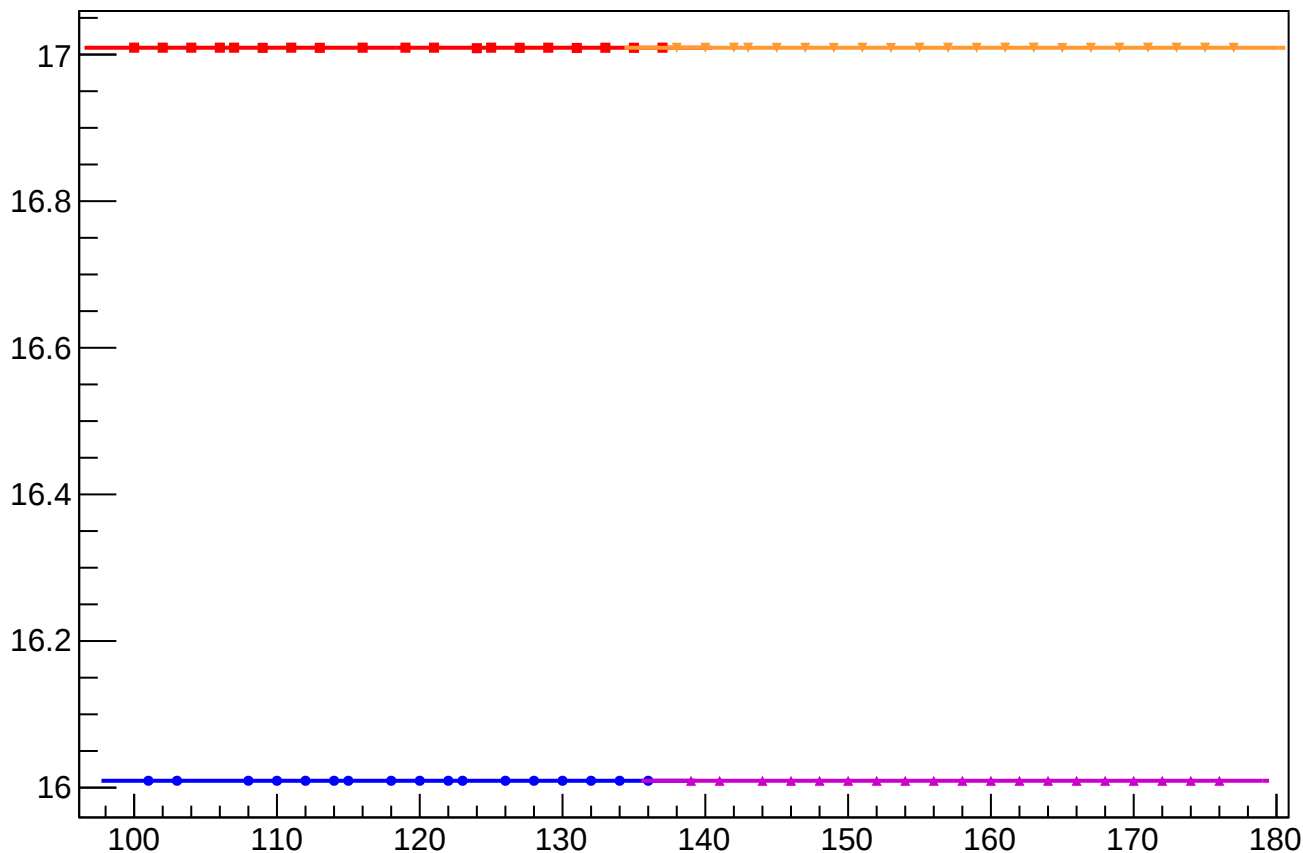
Left In: 88.021+/-0.000 χ^2/NDF : 5343756.4/18

+ sign 88.662+/-0.000 χ^2/NDF : 2402067802113965

All: 88.686+/-0.000 χ^2/NDF : 4789615344661

- sign 88.710+/-0.000 χ^2/NDF : 2384912567904307

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: 23291282091101234567053312.0/20

+ sign 16.704 $\pm$ 0.000

χ^2 /NDF: 4596548954427238

Right Out: 17.009 $\pm$ 0.000

χ^2 /NDF: 12516014336037541461884928.0/18

All: 16.519 $\pm$ 0.000

χ^2 /NDF: 105811218736

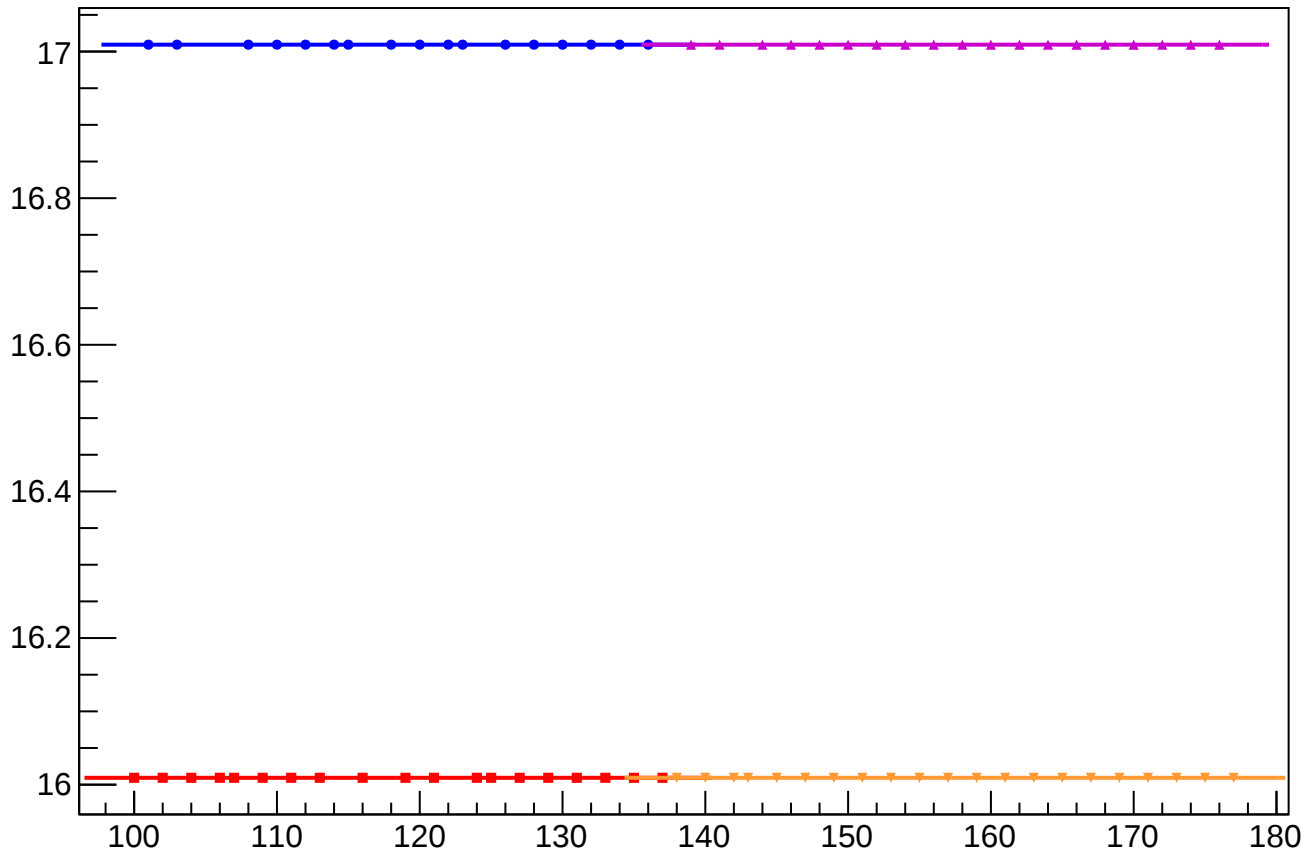
- sign 16.326 $\pm$ 0.000

χ^2 /NDF: 4470948783370801

Left In: 16.009 $\pm$ 0.000

χ^2 /NDF: 126869302310193420304384.0/18

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009+/-0.000 χ^2/NDF : 59764.1/20

Right Out: 16.009+/-0.000 χ^2/NDF : 39518.8/18

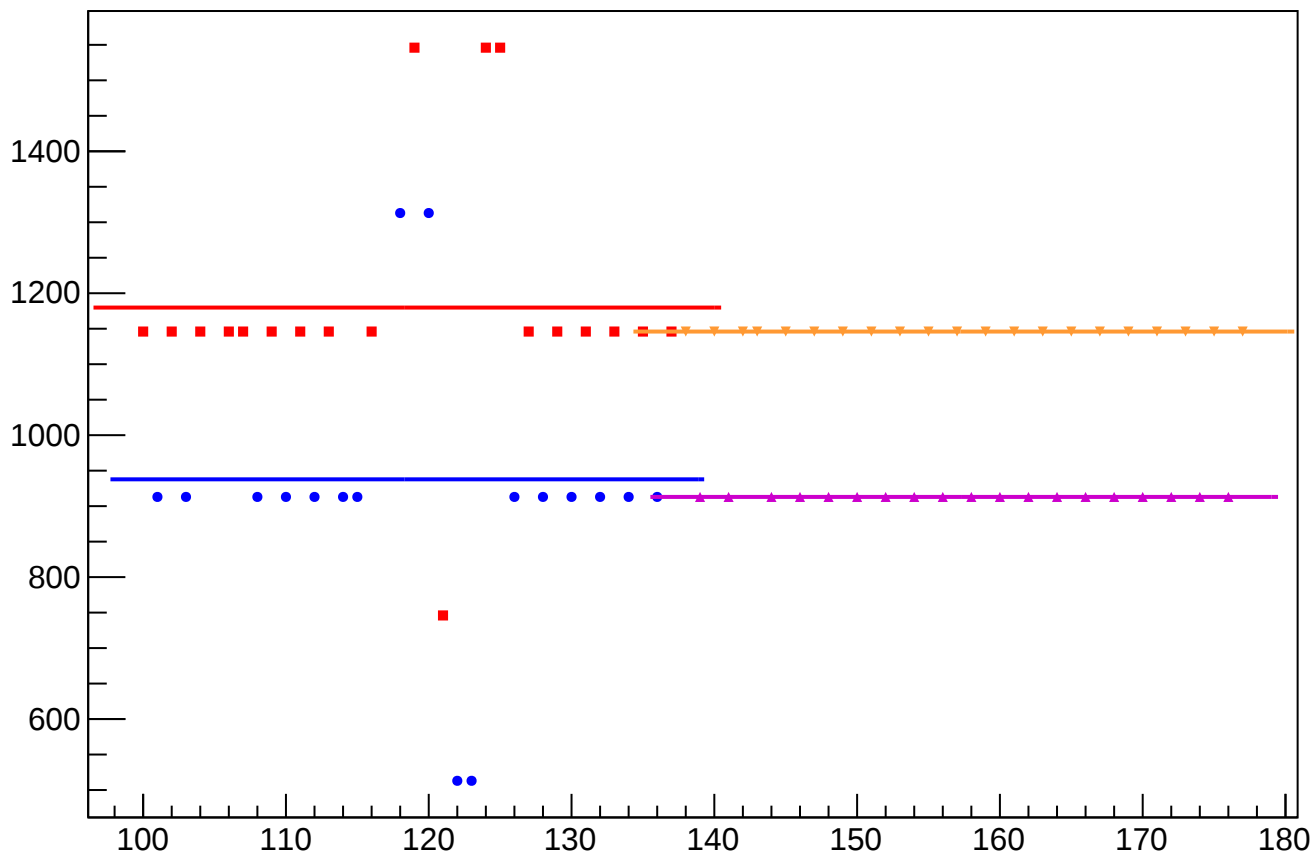
Left In: 17.009+/-0.000 χ^2/NDF : 113964876343063642898432.0/18

+ sign 16.301+/-0.000 χ^2/NDF : 4689409691629892

All: 16.489+/-0.000 χ^2/NDF : 1114412425930

- sign 16.684+/-0.000 χ^2/NDF : 4820936362208567

epics_RTPAPOSUCNTs_mean vs Slug



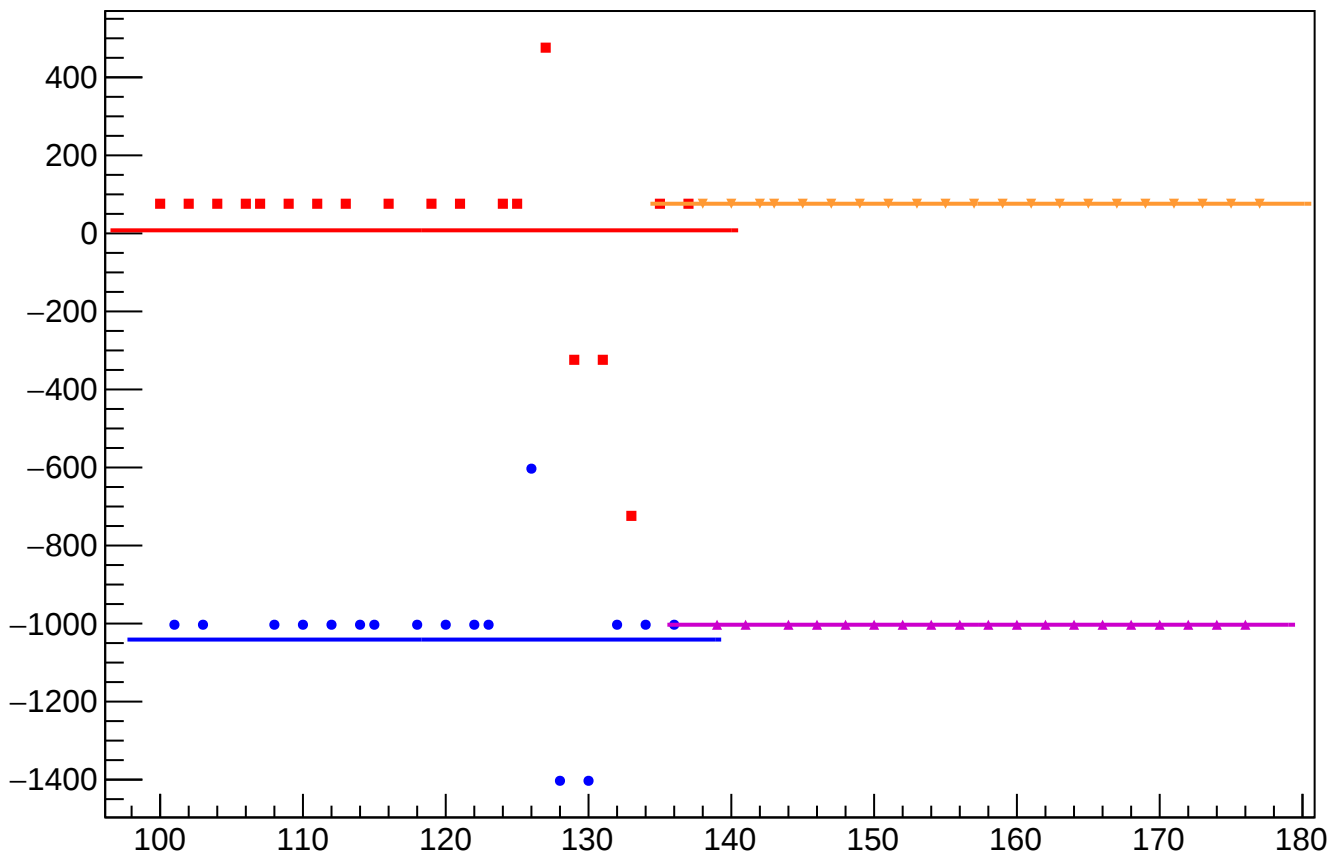
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 5202626768434015163486568448.0/20 + sign 1083.882+/-0.000 χ^2/NDF : 41968720670975

Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18 All: 1042.294+/-0.000 χ^2/NDF : 10640499067

Left In: 912.995+/-0.000 χ^2/NDF : 24371317349658929596402237440.0/18 - sign 999.071+/-0.000 χ^2/NDF : 562322025077088

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 : 10601909425478861398258745344.0/20 + sign -257.276+/-0.000 χ^2/NDF : 63026162432643

Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18 All: -463.032+/-0.000 χ^2/NDF : 13746763245

Left In: -1002.990+/-0.000 χ^2/NDF : 2290209791729334035144507392.0/18 - sign -676.878+/-0.000 χ^2/NDF : 543598031535062