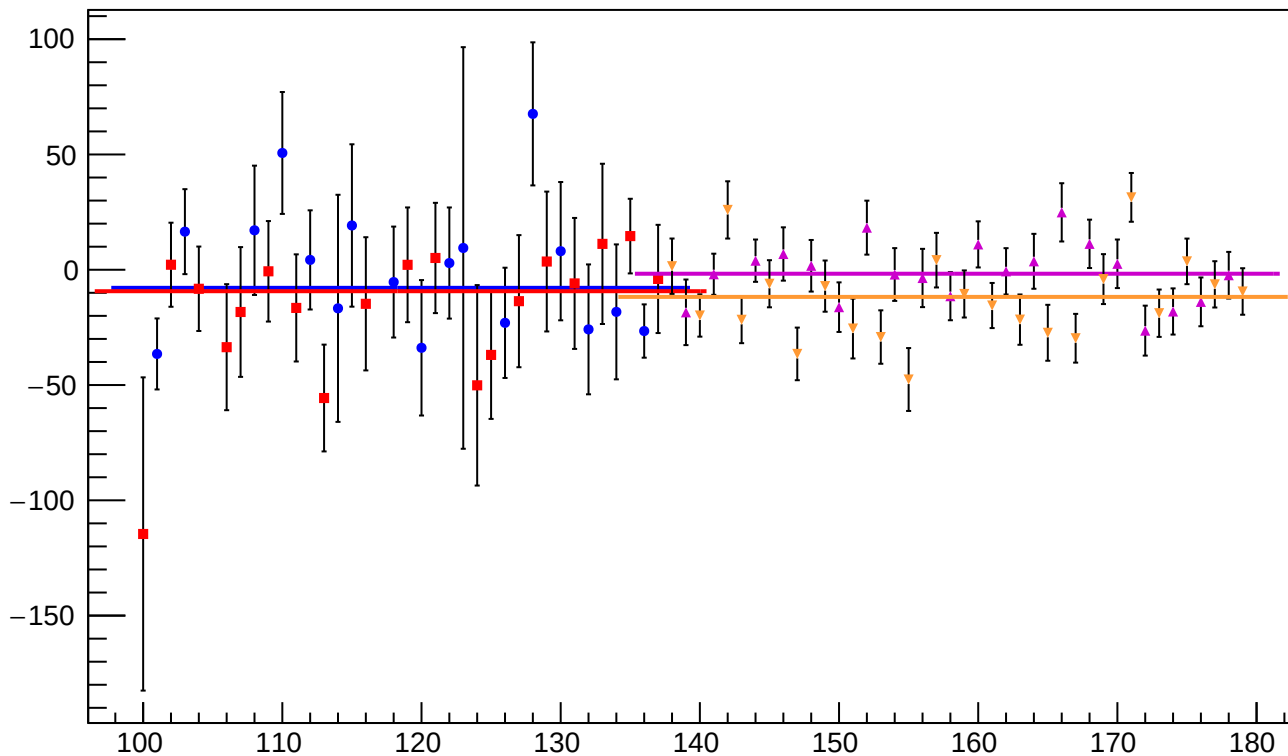


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -11.774 ± 2.310

χ^2/NDF : 55.4/21

Right Out: -9.309 ± 5.677

χ^2/NDF : 13.2/18

Left In: -1.724 ± 2.408

χ^2/NDF : 25.2/19

+ sign -11.204 ± 2.136

χ^2/NDF : 78.4/38

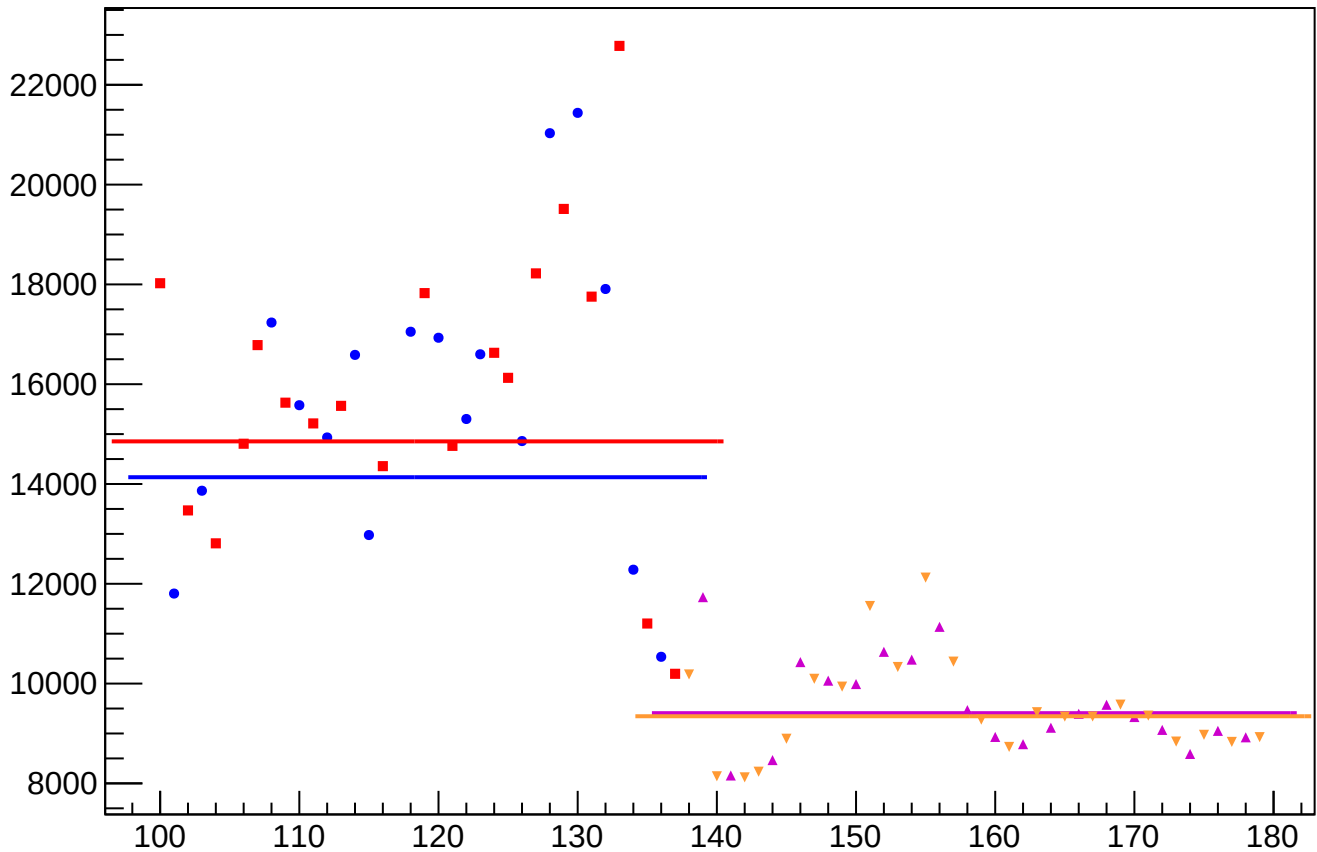
All: -7.197 ± 1.538

χ^2/NDF : 125.7/77

- sign -2.881 ± 2.217

χ^2/NDF : 39.9/38

diff_bpm4aX_rms vs Slug



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

Left Out: 9345.321 $\pm$ 1.634 χ^2 /NDF:303892.6/21

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

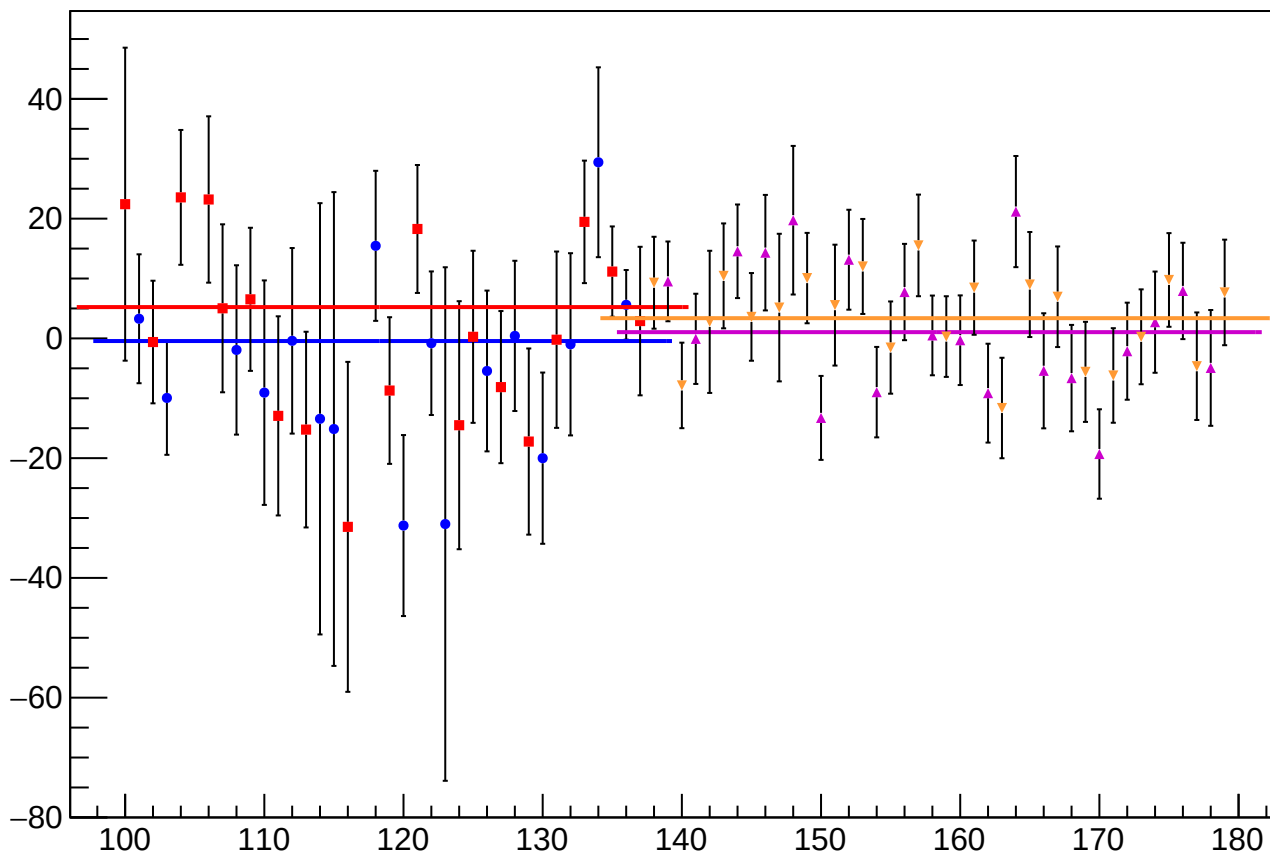
Left In: 9407.007 $\pm$ 1.703 χ^2 /NDF:255261.6/19

+ sign 10040.226 $\pm$ 1.510 χ^2 /NDF: 2148623.1/38

All: 10135.289 $\pm$ 1.088 χ^2 /NDF: 4444461.5/7

- sign 10237.701 $\pm$ 1.568 χ^2 /NDF: 2287609.5/38

diff_bpm4aY_mean vs Slug



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

Left Out: 3.376 ± 1.758 χ^2/NDF : 17.1/21

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

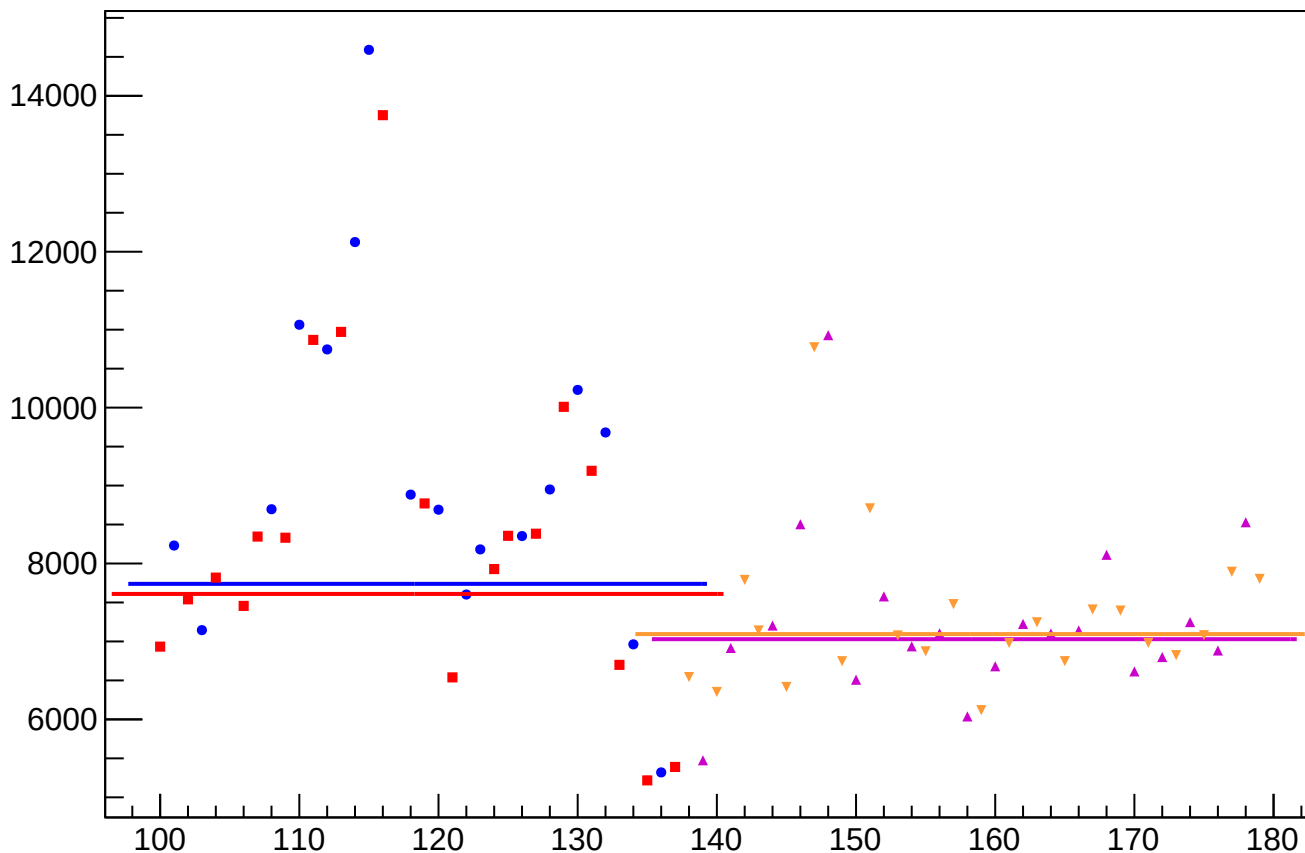
Left In: 1.044 ± 1.811 χ^2/NDF : 33.7/19

+ sign 2.434 ± 1.526 χ^2/NDF : 32.8/38

All: 2.317 ± 1.084 χ^2/NDF : 87.4/77

- sign 2.197 ± 1.541 χ^2/NDF : 54.5/38

diff_bpm4aY_rms vs Slug



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

Left Out: 7094.504+/-1.243 χ^2/NDF : 378595.0/21

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

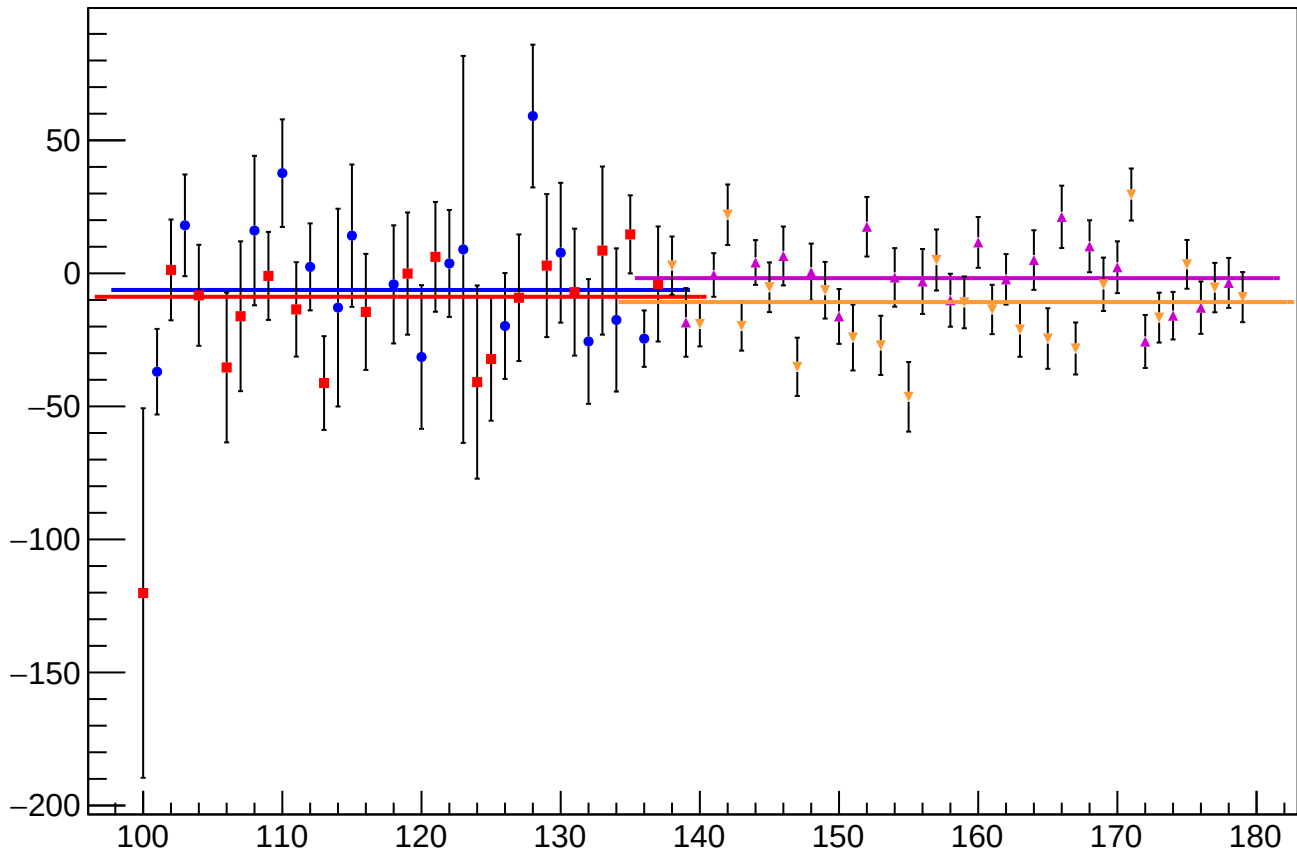
Left In: 7028.950+/-1.281 χ^2/NDF : 512444.3/19

+ sign 7253.597+/-1.079 χ^2/NDF : 1185745.2/38

All: 7221.609+/-0.767 χ^2/NDF : 2435803.6/77

- sign 7188.973+/-1.090 χ^2/NDF : 1248282.8/38

diff_bpm4eX_mean vs Slug



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

Left Out: -10.796 ± 2.157 χ^2/NDF : 56.3/21

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

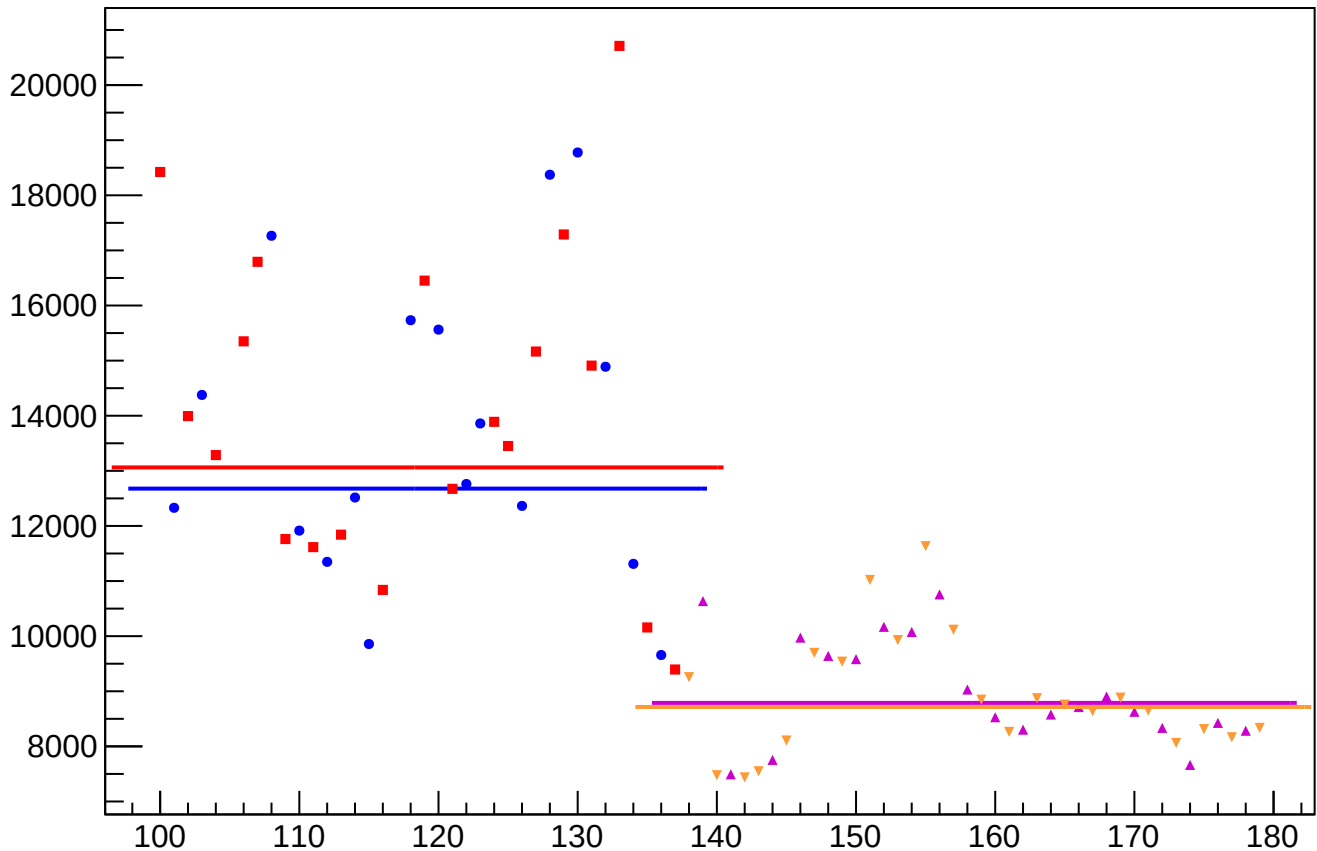
Left In: -1.801 ± 2.253 χ^2/NDF : 25.9/19

+ sign -10.086 ± 1.982 χ^2/NDF : 80.2/38

All: -6.661 ± 1.426 χ^2/NDF : 127.0/77

- sign -2.983 ± 2.054 χ^2/NDF : 40.6/38

diff_bpm4eX_rms vs Slug



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

Left Out: 8714.959+/-1.526 χ^2/NDF : 394018.0/21

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

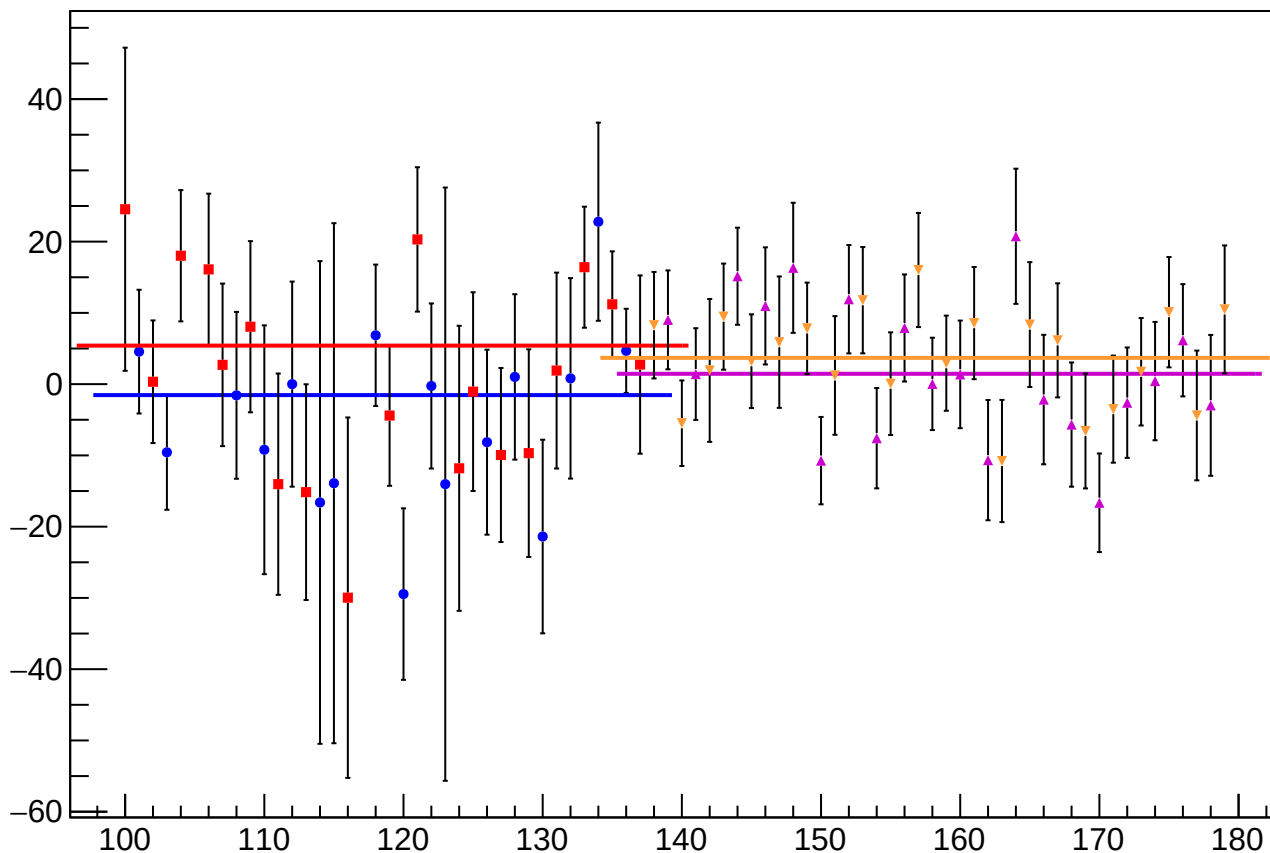
Left In: 8789.045+/-1.593 χ^2/NDF : 332585.3/19

+ sign 9333.320+/-1.401 χ^2/NDF : 2000430.3/38

All: 9418.640+/-1.009 χ^2/NDF : 4052487.7/77

- sign 9510.263+/-1.452 χ^2/NDF : 2044371.4/38

diff_bpm4eY_mean vs Slug



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

Left Out: 3.689 ± 1.638 χ^2/NDF : 16.0/21

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

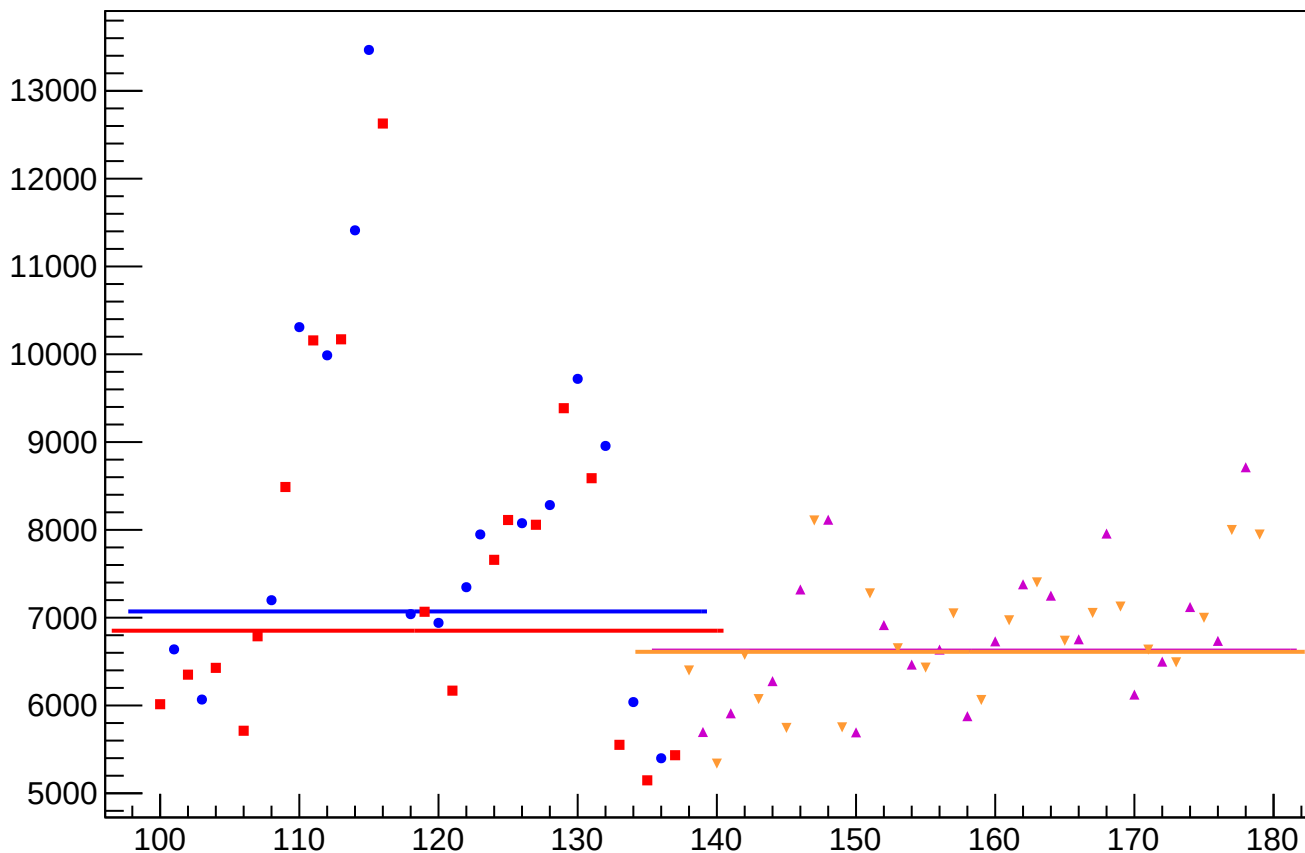
Left In: 1.453 ± 1.702 χ^2/NDF : 32.2/19

+ sign 2.349 ± 1.413 χ^2/NDF : 33.4/38

All: 2.480 ± 1.005 χ^2/NDF : 85.8/77

- sign 2.614 ± 1.430 χ^2/NDF : 52.4/38

diff_bpm4eY_rms vs Slug



Right In: 7071.043 $\pm$ 1.973 χ^2 /NDF: 600748.1/16

Left Out: 6611.197 $\pm$ 1.158 χ^2 /NDF: 391064.0/21

Right Out: 6851.604 $\pm$ 1.866 χ^2 /NDF: 684398.7/18

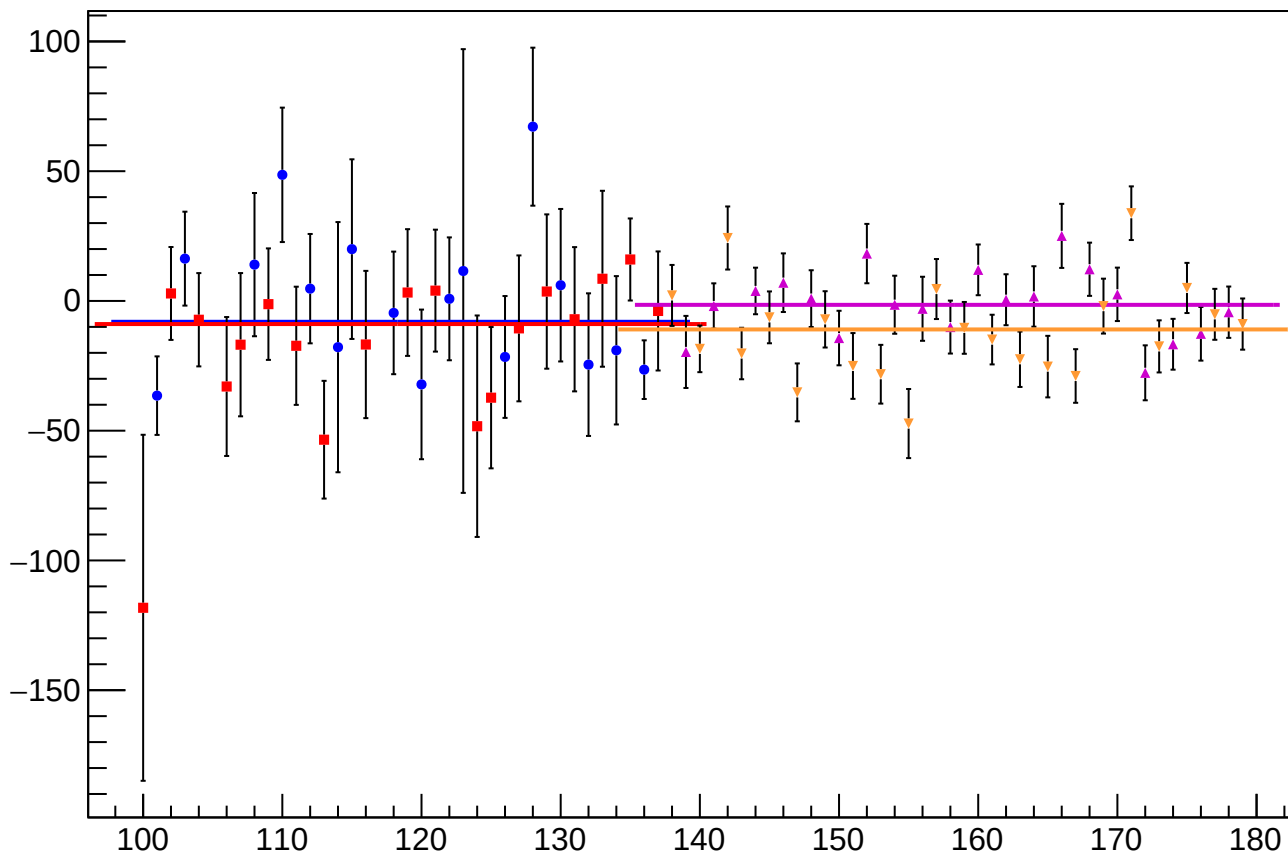
Left In: 6625.240 $\pm$ 1.203 χ^2 /NDF: 390020.8/19

+ sign 6729.051 $\pm$ 0.999 χ^2 /NDF: 1032207.6/38

All: 6710.610 $\pm$ 0.711 χ^2 /NDF: 2117707.0/77

- sign 6691.704 $\pm$ 1.011 χ^2 /NDF: 1084809.1/38

diff_bpm4acX_mean vs Slug



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

Left Out: -10.980 ± 2.258 χ^2/NDF : 57.9/21

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

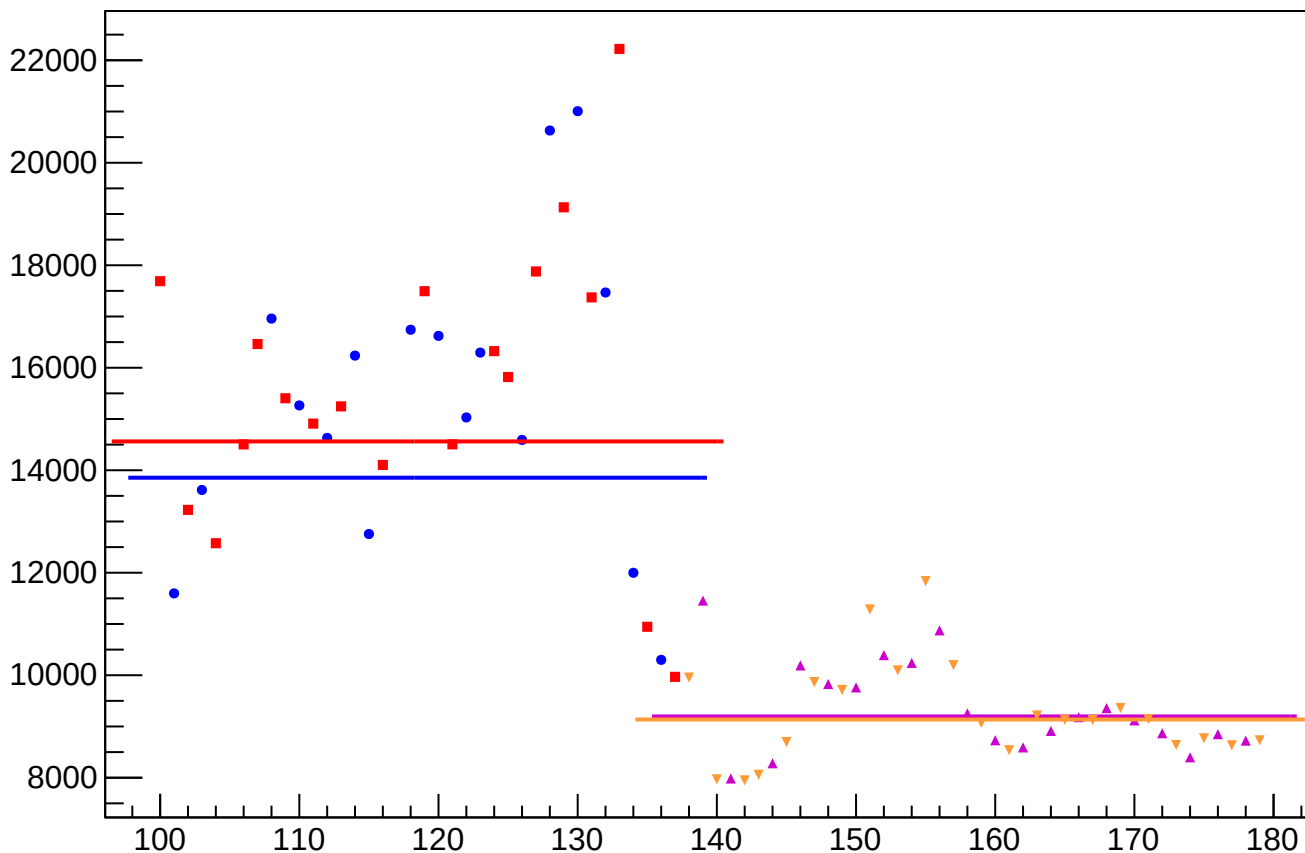
Left In: -1.505 ± 2.354 χ^2/NDF : 26.2/19

+ sign -10.555 ± 2.089 χ^2/NDF : 80.8/38

All: -6.739 ± 1.504 χ^2/NDF : 129.1/77

- sign -2.628 ± 2.168 χ^2/NDF : 41.4/38

diff_bpm4acX_rms vs Slug



Right In: 13854.187 $\pm$ 3.887 χ^2 /NDF: 600963.4/16

Left Out: 9136.141 $\pm$ 1.597 χ^2 /NDF:300726.7/21

Right Out: 14562.308 $\pm$ 3.936 χ^2 /NDF: 474279.5/18

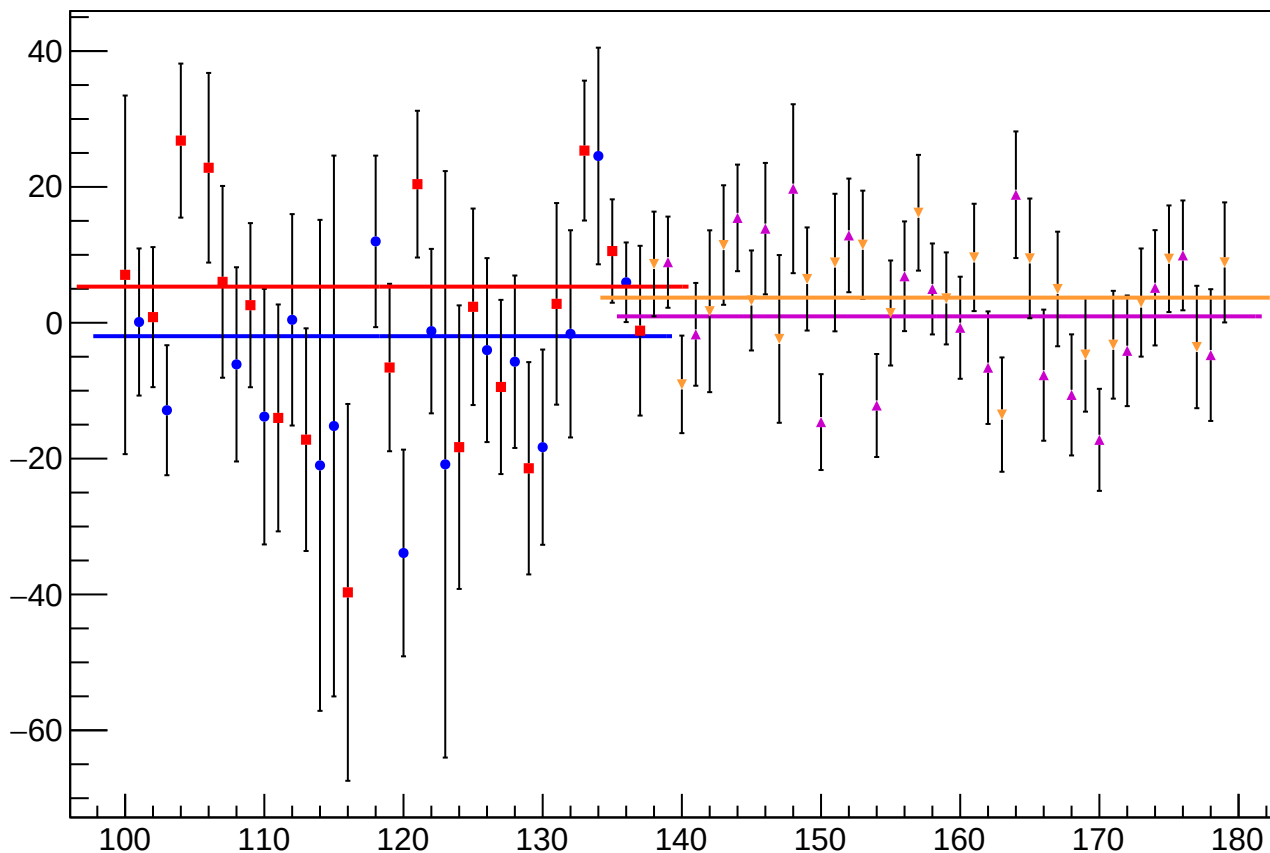
Left In: 9195.901 $\pm$ 1.665 χ^2 /NDF:252493.3/19

+ sign 9817.330 $\pm$ 1.477 χ^2 /NDF: 2162131.4/38

All: 9910.141 $\pm$ 1.064 χ^2 /NDF: 4474065.0/77

- sign 10010.129 $\pm$ 1.533 χ^2 /NDF: 2303731.7/38

diff_bpm4acY_mean vs Slug



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

Left Out: 3.699 ± 1.766 χ^2/NDF : 16.7/21

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

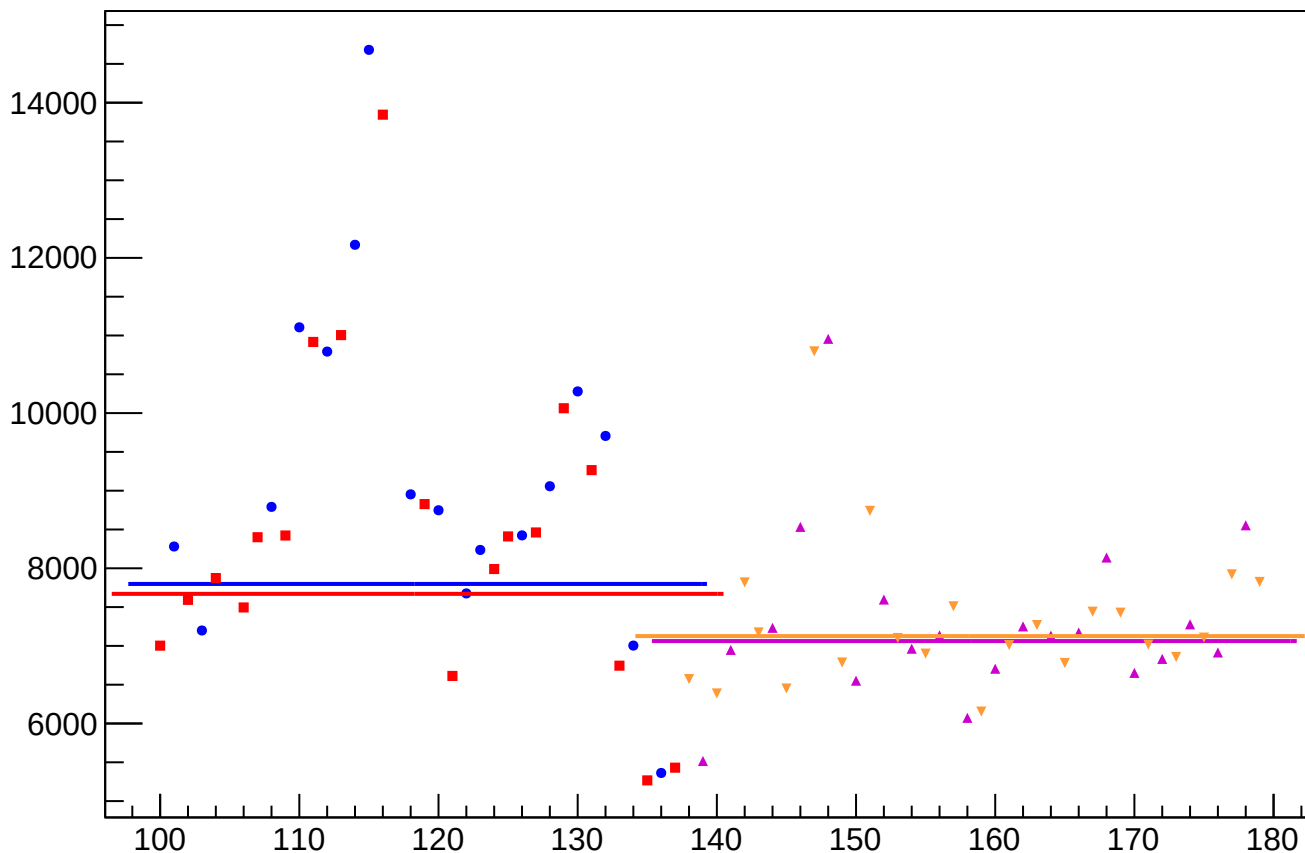
Left In: 0.942 ± 1.819 χ^2/NDF : 34.9/19

+ sign 2.304 ± 1.534 χ^2/NDF : 33.3/38

All: 2.224 ± 1.090 χ^2/NDF : 94.1/77

- sign 2.143 ± 1.550 χ^2/NDF : 60.8/38

diff_bpm4acY_rms vs Slug



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

Left Out: 7126.338+/-1.249 χ^2/NDF : 373878.5/21

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

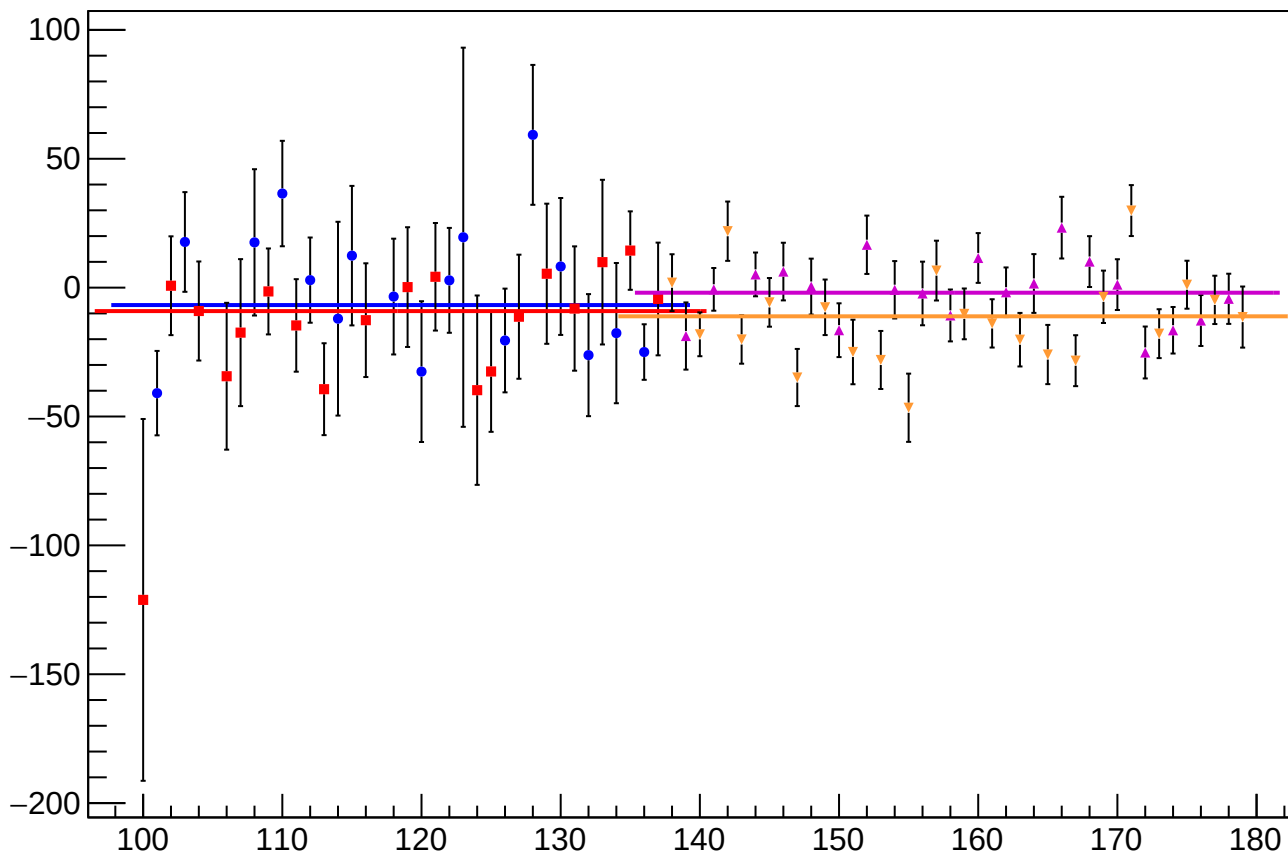
Left In: 7062.318+/-1.286 χ^2/NDF : 504525.5/19

+ sign 7291.456+/-1.085 χ^2/NDF : 1181311.6/38

All: 7260.653+/-0.771 χ^2/NDF : 2421504.9/77

- sign 7229.207+/-1.096 χ^2/NDF : 1238563.0/38

diff_bpm4ecX_mean vs Slug



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

Left Out: -11.128 ± 2.202 χ^2/NDF : 55.3/21

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

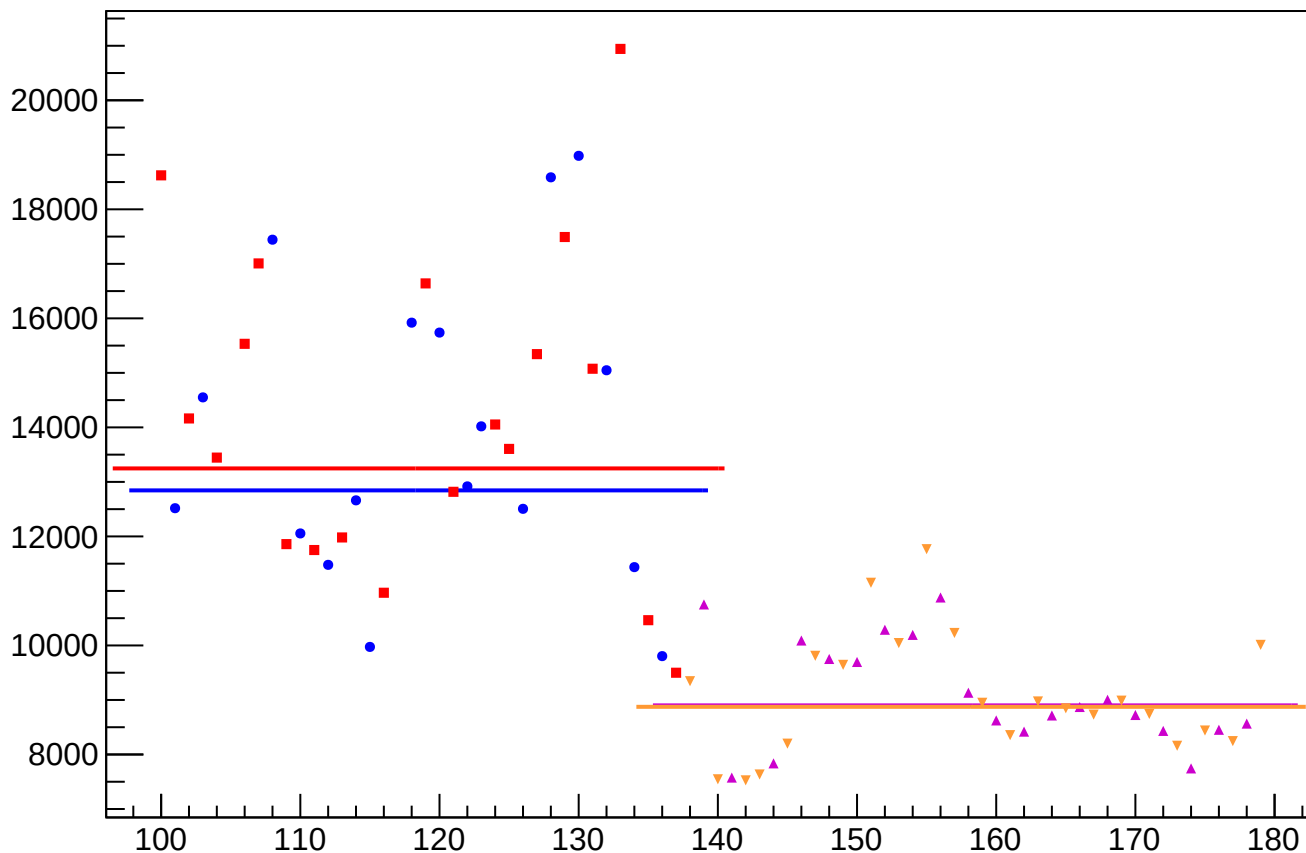
Left In: -1.971 ± 2.282 χ^2/NDF : 25.6/19

+ sign -10.438 ± 2.021 χ^2/NDF : 79.6/38

All: -6.912 ± 1.450 χ^2/NDF : 125.4/77

- sign -3.172 ± 2.081 χ^2/NDF : 39.5/38

diff_bpm4ecX_rms vs Slug



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

Left Out: 8874.320+/-1.557 χ^2/NDF : 410522.0/21

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

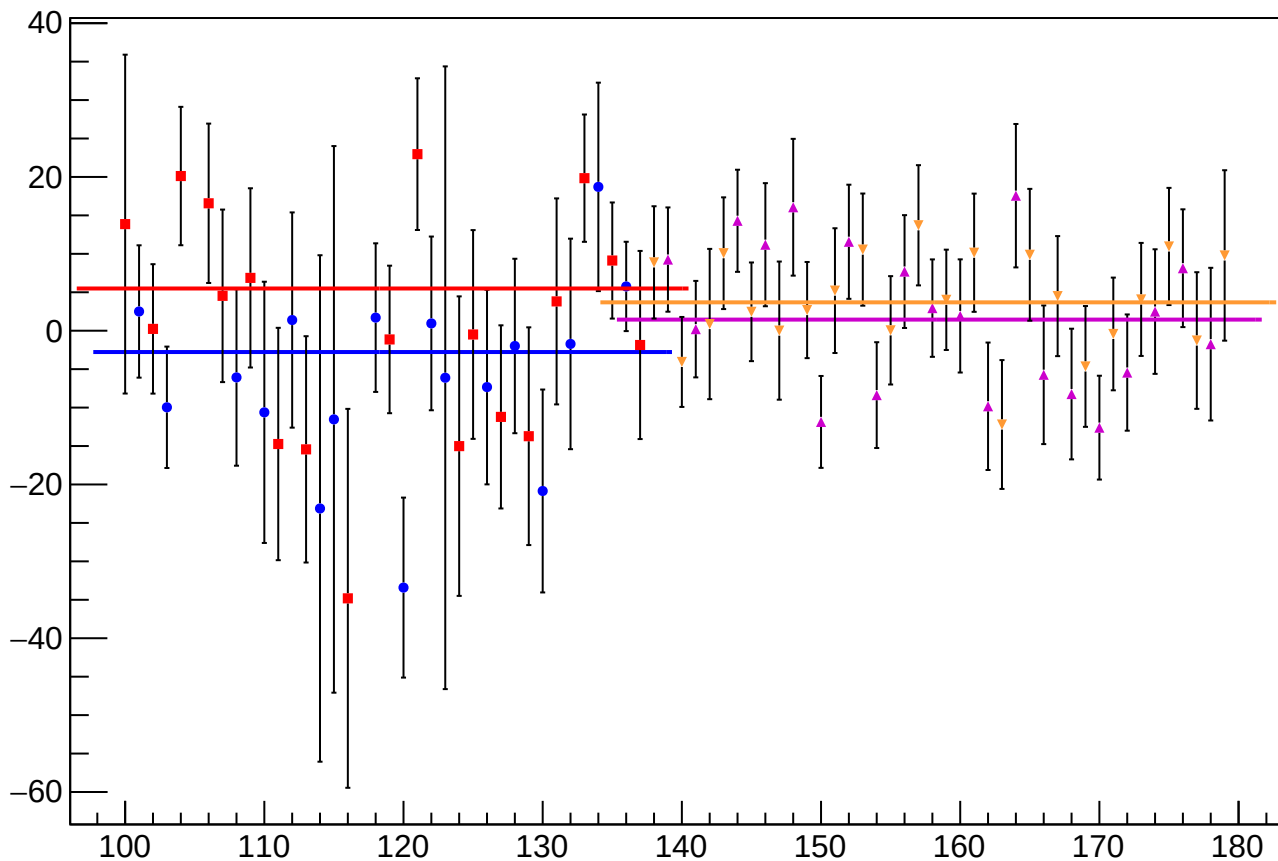
Left In: 8900.788+/-1.614 χ^2/NDF : 330542.2/19

+ sign 9501.419+/-1.429 χ^2/NDF : 1984423.3/38

All: 9565.261+/-1.025 χ^2/NDF : 4026620.0/77

- sign 9632.963+/-1.472 χ^2/NDF : 2038083.9/38

diff_bpm4ecY_mean vs Slug



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

Left Out: 3.689 ± 1.609 χ^2/NDF : 14.0/21

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

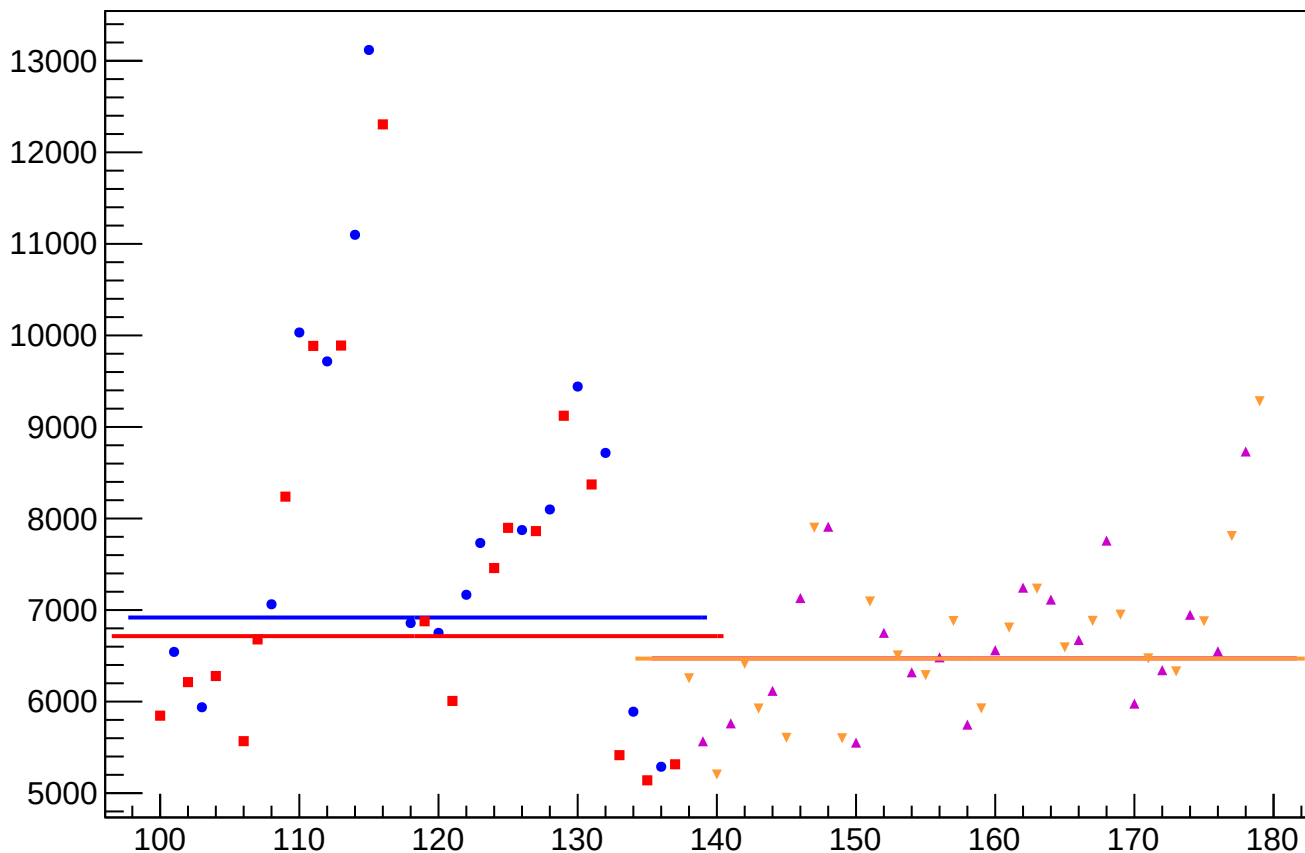
Left In: 1.445 ± 1.664 χ^2/NDF : 31.7/19

+ sign 2.023 ± 1.387 χ^2/NDF : 34.0/38

All: 2.323 ± 0.985 χ^2/NDF : 90.8/77

- sign 2.628 ± 1.399 χ^2/NDF : 56.6/38

diff_bpm4ecY_rms vs Slug



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

Left Out: 6469.723+/-1.138 χ^2/NDF : 479501.5/21

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

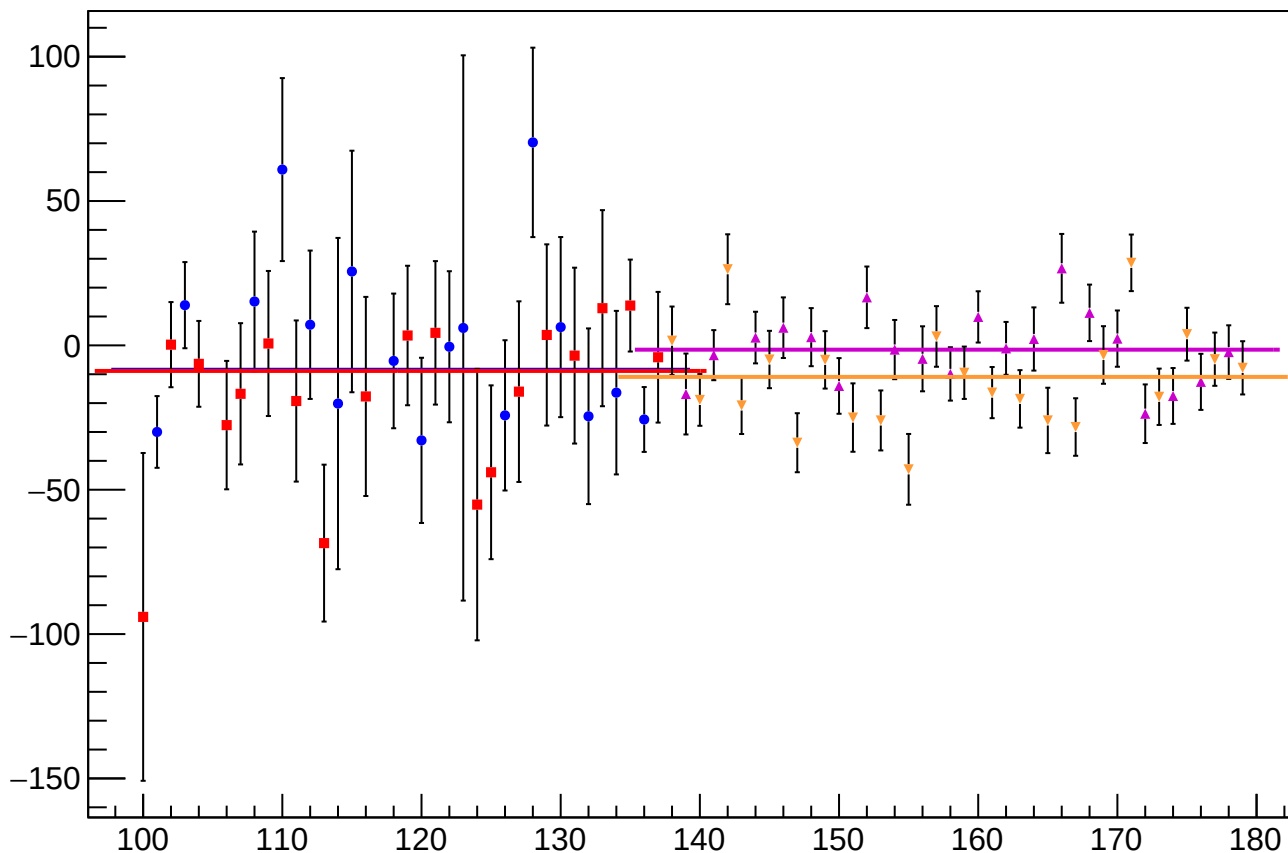
Left In: 6472.121+/-1.176 χ^2/NDF : 406146.2/19

+ sign 6585.349+/-0.980 χ^2/NDF : 1106608.7/38

All: 6564.452+/-0.696 χ^2/NDF : 2182152.6/77

- sign 6543.168+/-0.989 χ^2/NDF : 1074627.0/38

diff_bpm1X_mean vs Slug



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

Left Out: -10.921 ± 2.142 χ^2/NDF : 56.5/21

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

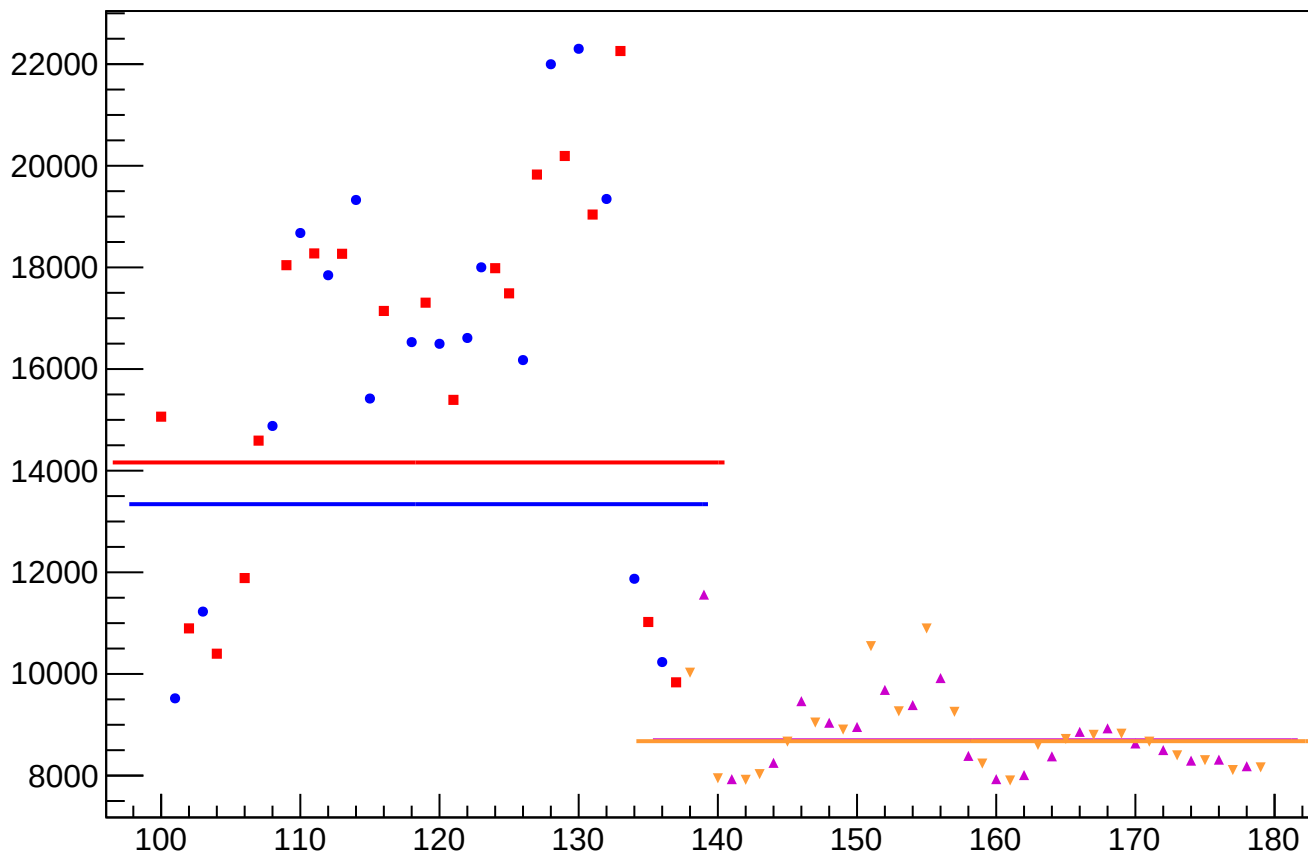
Left In: -1.490 ± 2.224 χ^2/NDF : 25.7/19

+ sign -10.584 ± 1.991 χ^2/NDF : 78.7/38

All: -6.696 ± 1.432 χ^2/NDF : 128.1/77

- sign -2.522 ± 2.063 χ^2/NDF : 41.5/38

diff_bpm1X_rms vs Slug



Right In: 13340.948 $\pm$ 3.813 χ^2 /NDF: 1044569.8/16

Left Out: 8677.308 $\pm$ 1.515 χ^2 /NDF:226818.5/21

Right Out: 14161.826 $\pm$ 3.895 χ^2 /NDF: 931787.3/18

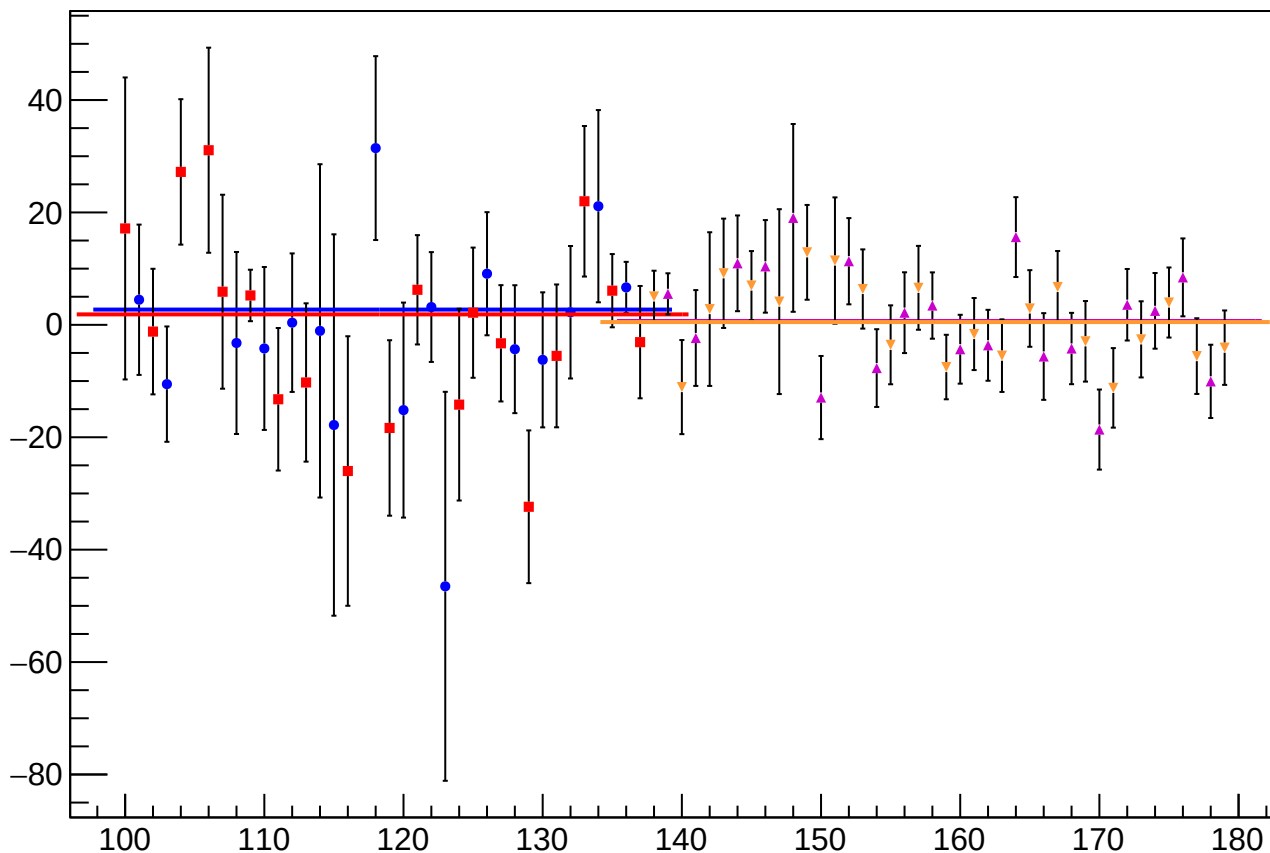
Left In: 8694.153 $\pm$ 1.573 χ^2 /NDF:213572.1/19

+ sign 9312.885 $\pm$ 1.408 χ^2 /NDF: 2563210.9/38

All: 9384.215 $\pm$ 1.013 χ^2 /NDF: 5408160.0/77

- sign 9460.776 $\pm$ 1.458 χ^2 /NDF: 2839626.2/38

diff_bpm1Y_mean vs Slug



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

Left Out: 0.496 ± 1.499 χ^2/NDF : 18.5/21

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

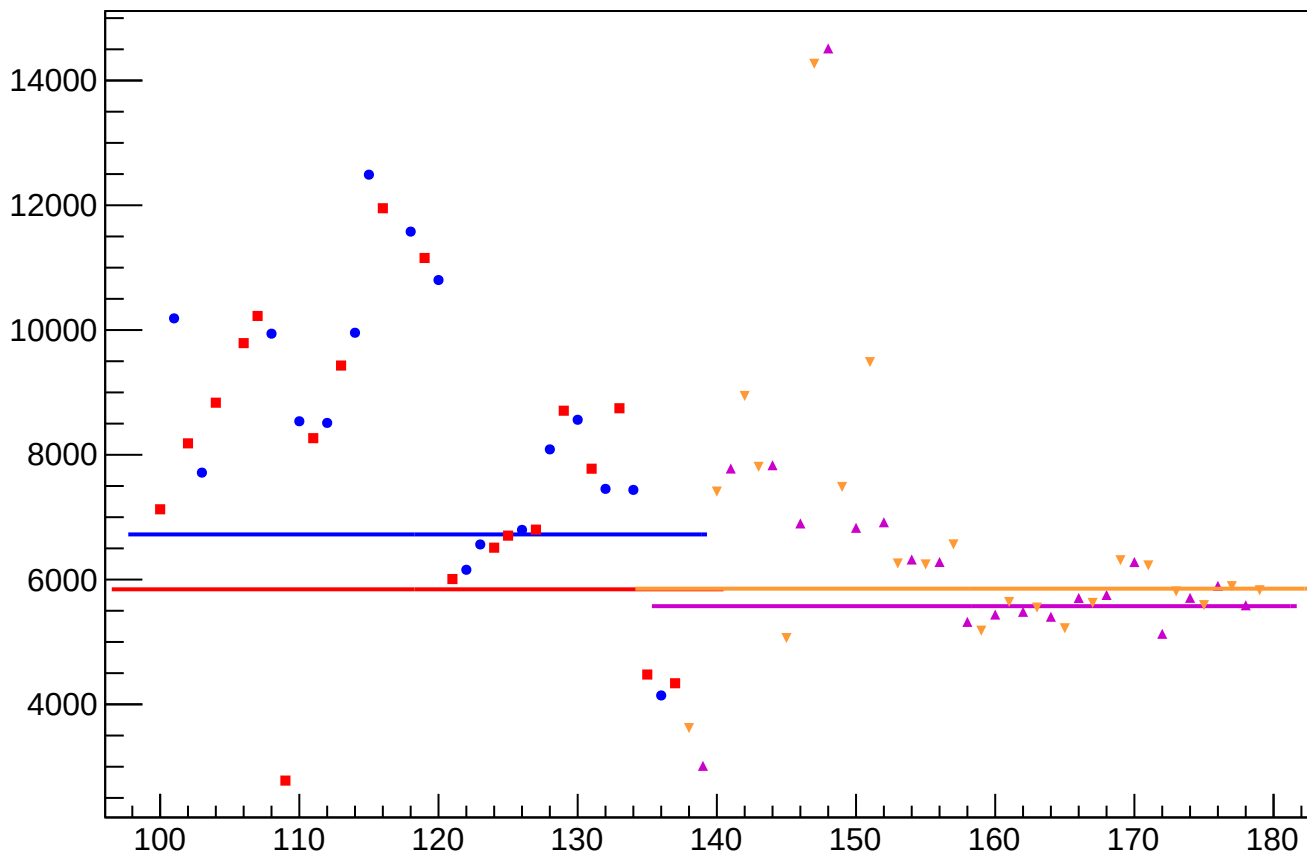
Left In: 0.684 ± 1.492 χ^2/NDF : 31.4/19

+ sign 1.004 ± 1.316 χ^2/NDF : 30.6/38

All: 1.004 ± 0.915 χ^2/NDF : 85.7/77

- sign 1.005 ± 1.273 χ^2/NDF : 55.1/38

diff_bpm1Y_rms vs Slug



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

Left Out: 5854.255+/-1.060 χ^2/NDF : 1670922.3/21

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

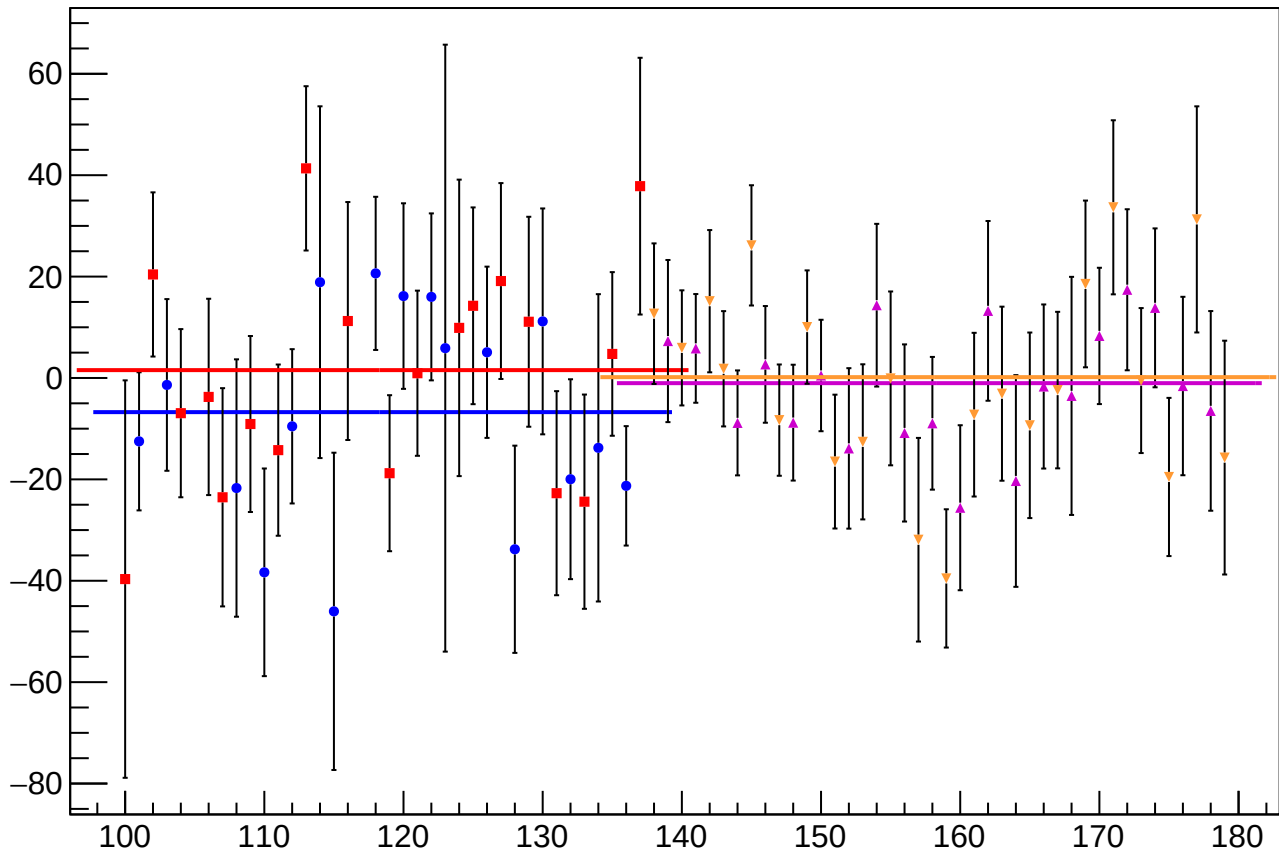
Left In: 5573.803+/-1.055 χ^2/NDF : 2084872.5/19

+ sign 6053.238+/-0.931 χ^2/NDF : 3216997.7/38

All: 5843.496+/-0.647 χ^2/NDF : 7695171.3/77

- sign 5647.370+/-0.900 χ^2/NDF : 4379933.3/38

diff_bpm11X_mean vs Slug



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

Left Out: 0.164 ± 3.088 χ^2/NDF : 31.3/21

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

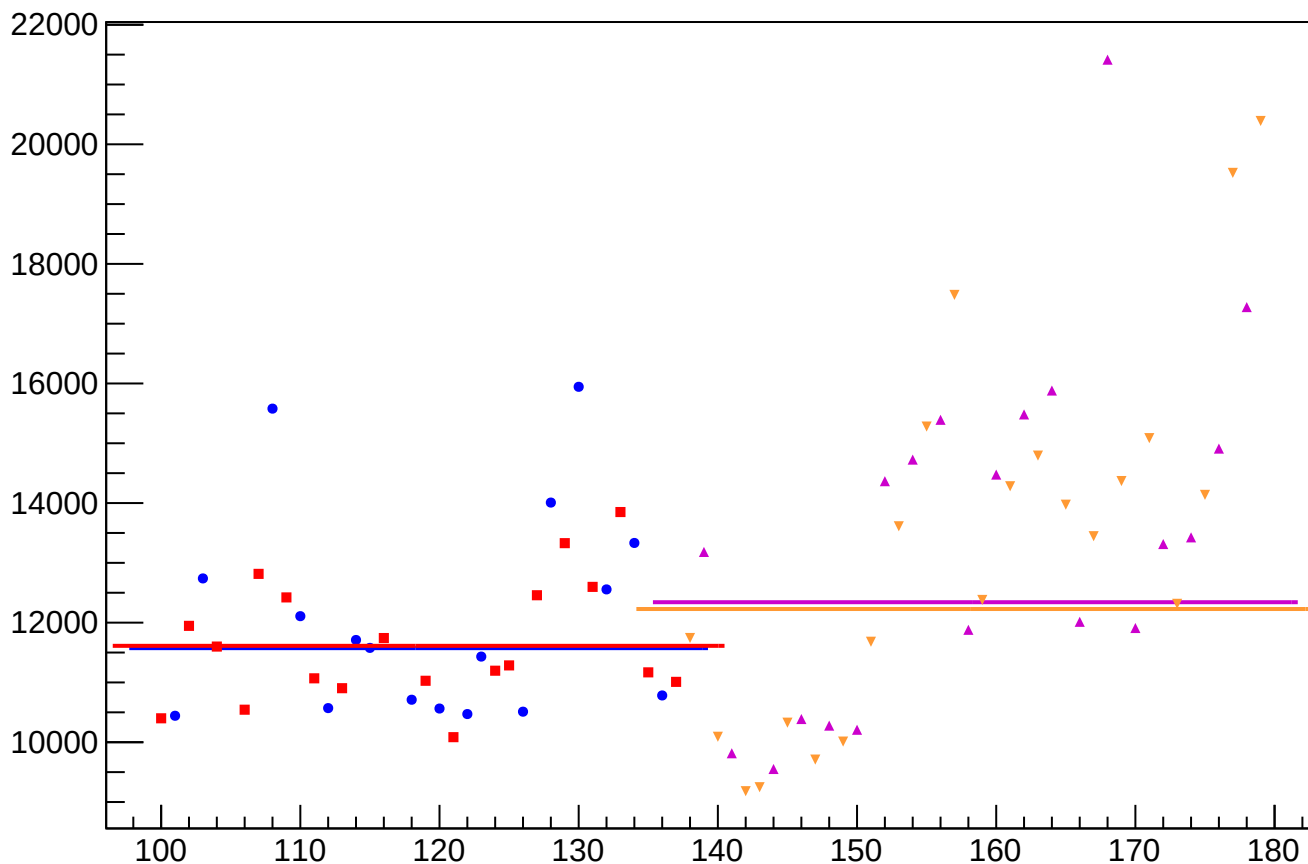
Left In: -1.021 ± 3.216 χ^2/NDF : 10.7/19

+ sign -2.037 ± 2.549 χ^2/NDF : 49.8/38

All: -1.094 ± 1.817 χ^2/NDF : 81.0/77

- sign -0.118 ± 2.591 χ^2/NDF : 30.9/38

diff_bpm11X_rms vs Slug



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

Left Out: 12227.951 $\pm$ 2.184 χ^2 /NDF: 1451907.1/21

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

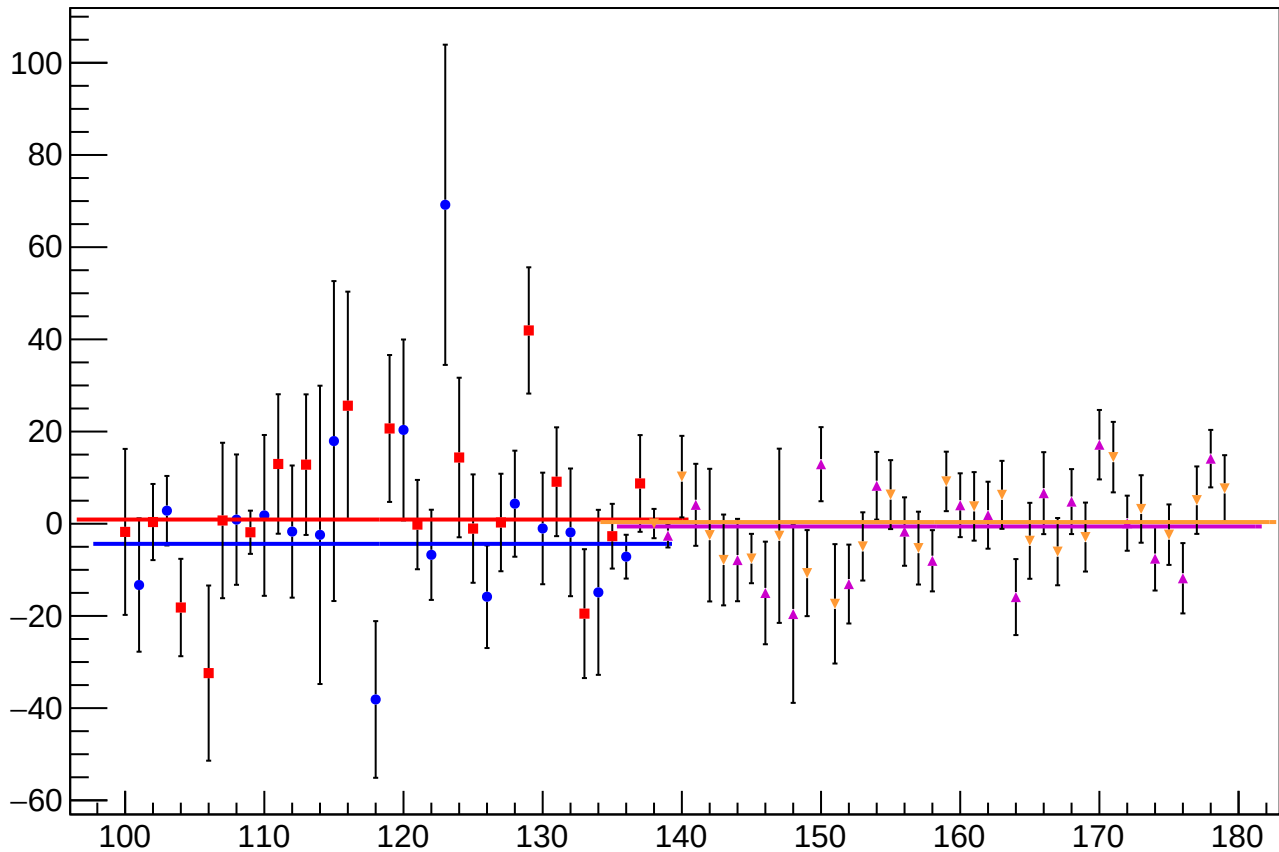
Left In: 12341.676 $\pm$ 2.274 χ^2 /NDF: 1241849.2/19

+ sign 12019.205 $\pm$ 1.802 χ^2 /NDF: 1719287.5/38

All: 12051.838 $\pm$ 1.285 χ^2 /NDF: 3092233.2/7

- sign 12085.558 $\pm$ 1.832 χ^2 /NDF: 1372279.1/38

diff_bpm11Y_mean vs Slug



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

Left Out: 0.366 ± 1.502 χ^2/NDF : 18.2/21

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

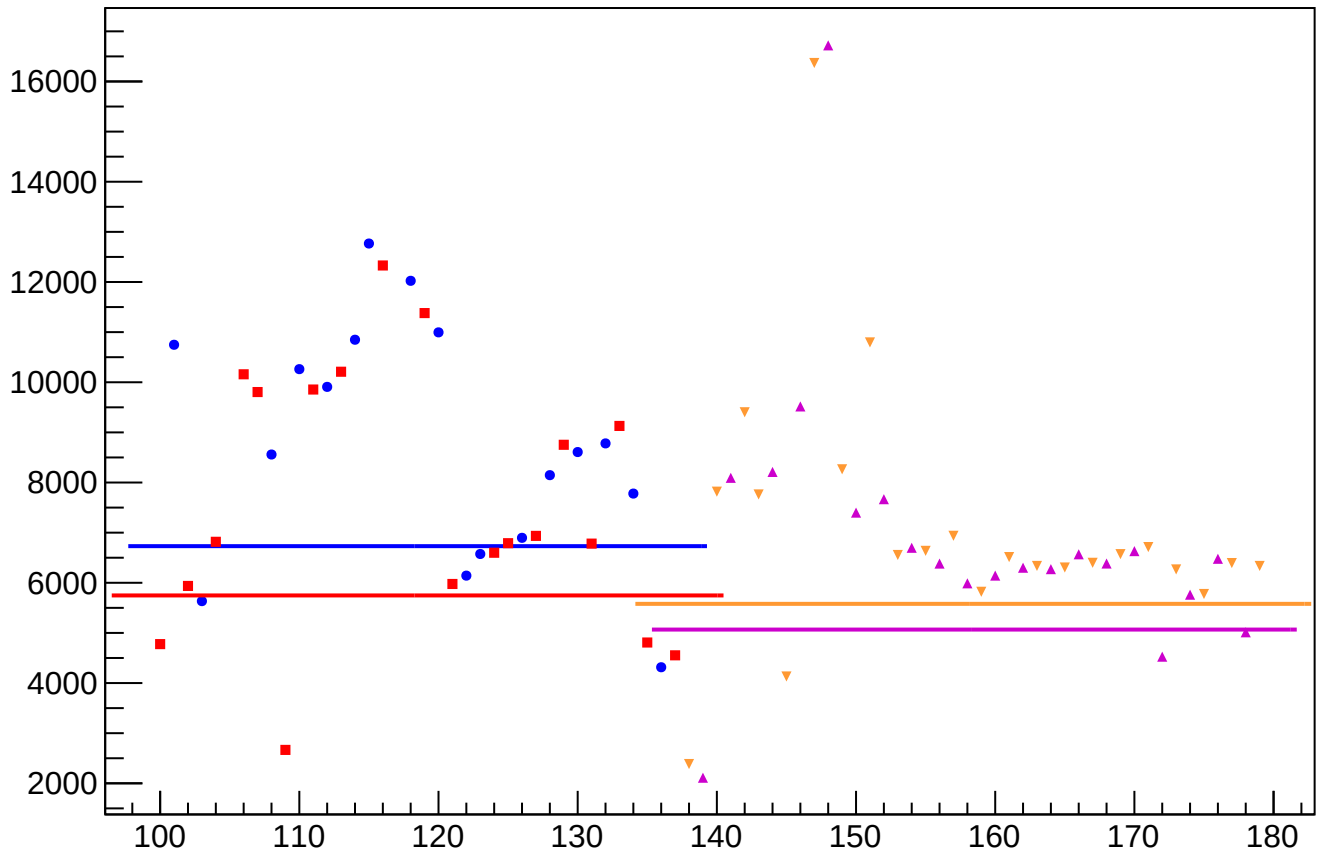
Left In: -0.592 ± 1.453 χ^2/NDF : 31.4/19

+ sign -0.705 ± 1.321 χ^2/NDF : 35.0/38

All: -0.435 ± 0.907 χ^2/NDF : 90.3/77

- sign -0.194 ± 1.247 χ^2/NDF : 55.3/38

diff_bpm11Y_rms vs Slug



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

Left Out: 5579.863+/-1.062 χ^2/NDF : 4052370.4/21

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

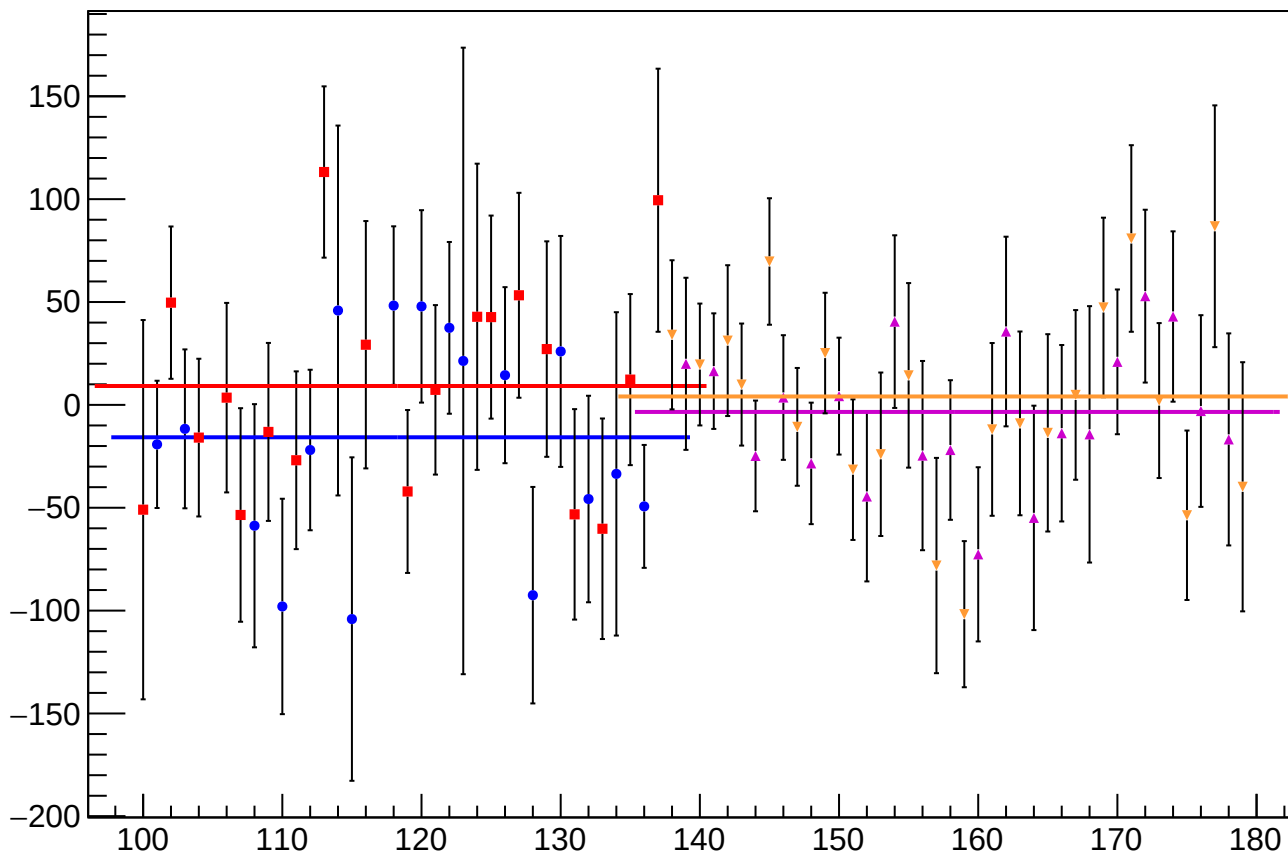
Left In: 5066.823+/-1.028 χ^2/NDF : 5213350.6/19

+ sign 5840.547+/-0.934 χ^2/NDF : 5763442.6/38

All: 5526.312+/-0.641 χ^2/NDF : 13468752.6/7

- sign 5246.589+/-0.882 χ^2/NDF : 7491500.9/38

diff_bpm12X_mean vs Slug



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

Left Out: 4.086 ± 8.077 χ^2/NDF : 28.6/21

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

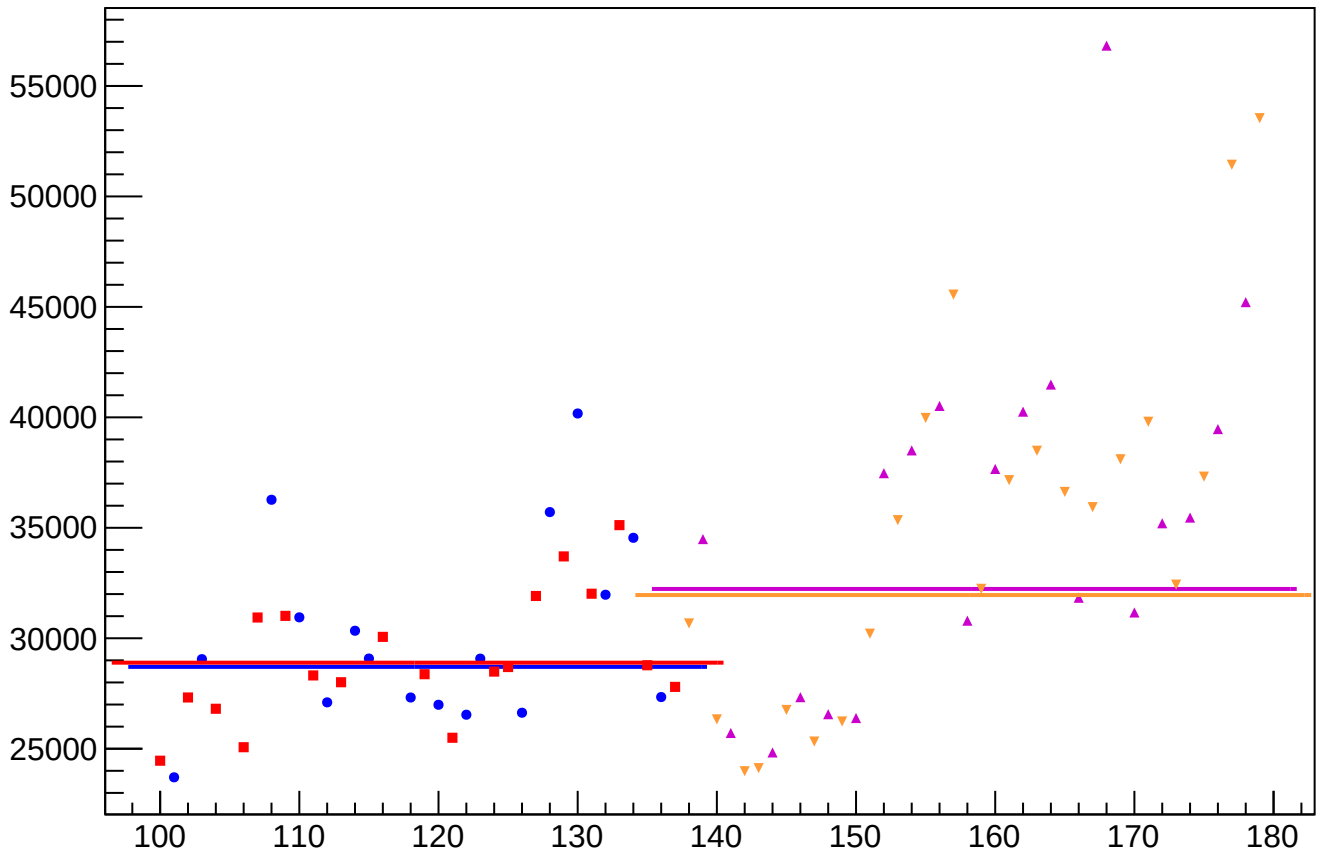
Left In: -3.429 ± 8.406 χ^2/NDF : 12.9/19

+ sign -2.694 ± 6.553 χ^2/NDF : 46.5/38

All: -0.738 ± 4.669 χ^2/NDF : 79.7/77

- sign 1.279 ± 6.654 χ^2/NDF : 32.9/38

diff_bpm12X_rms vs Slug



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

Left Out: 31956.080+/-5.711 χ^2/NDF : 1487290.9/21

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

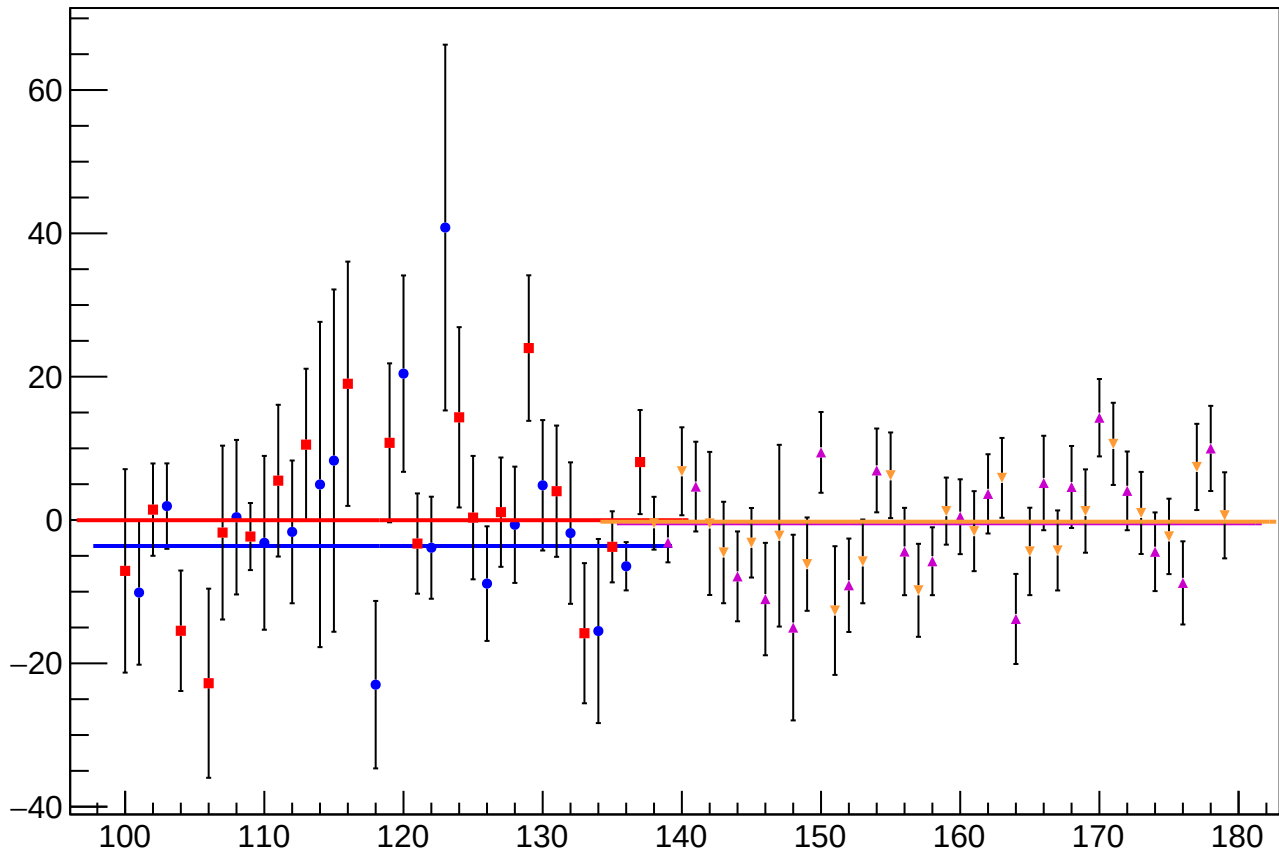
Left In: 32232.431+/-5.944 χ^2/NDF : 1282822.4/19

+ sign 30844.968+/-4.633 χ^2/NDF : 1849011.5/38

All: 30914.630+/-3.301 χ^2/NDF : 3361191.2/7

- sign 30986.463+/-4.705 χ^2/NDF : 1511720.5/38

diff_bpm12Y_mean vs Slug



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

Left Out: -0.234 ± 1.243 χ^2/NDF : 16.9/21

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

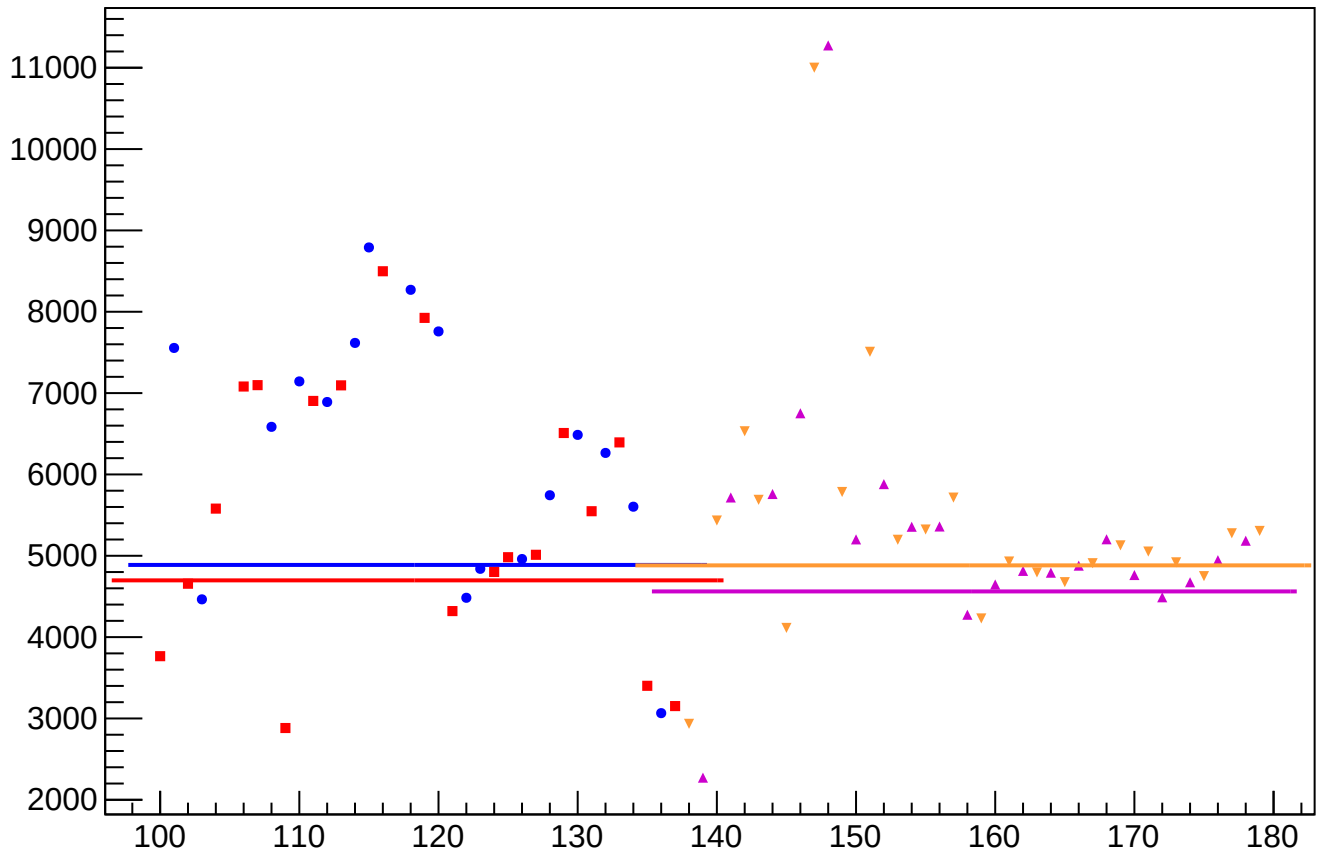
Left In: -0.458 ± 1.224 χ^2/NDF : 34.6/19

+ sign -1.175 ± 1.057 χ^2/NDF : 32.7/38

All: -0.741 ± 0.737 χ^2/NDF : 89.7/77

- sign -0.331 ± 1.028 χ^2/NDF : 56.7/38

diff_bpm12Y_rms vs Slug



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

Left Out: 4882.094+/-0.879 χ^2/NDF : 1497749.3/21

+ sign 4883.599+/-0.747 χ^2/NDF : 2907056.7/38

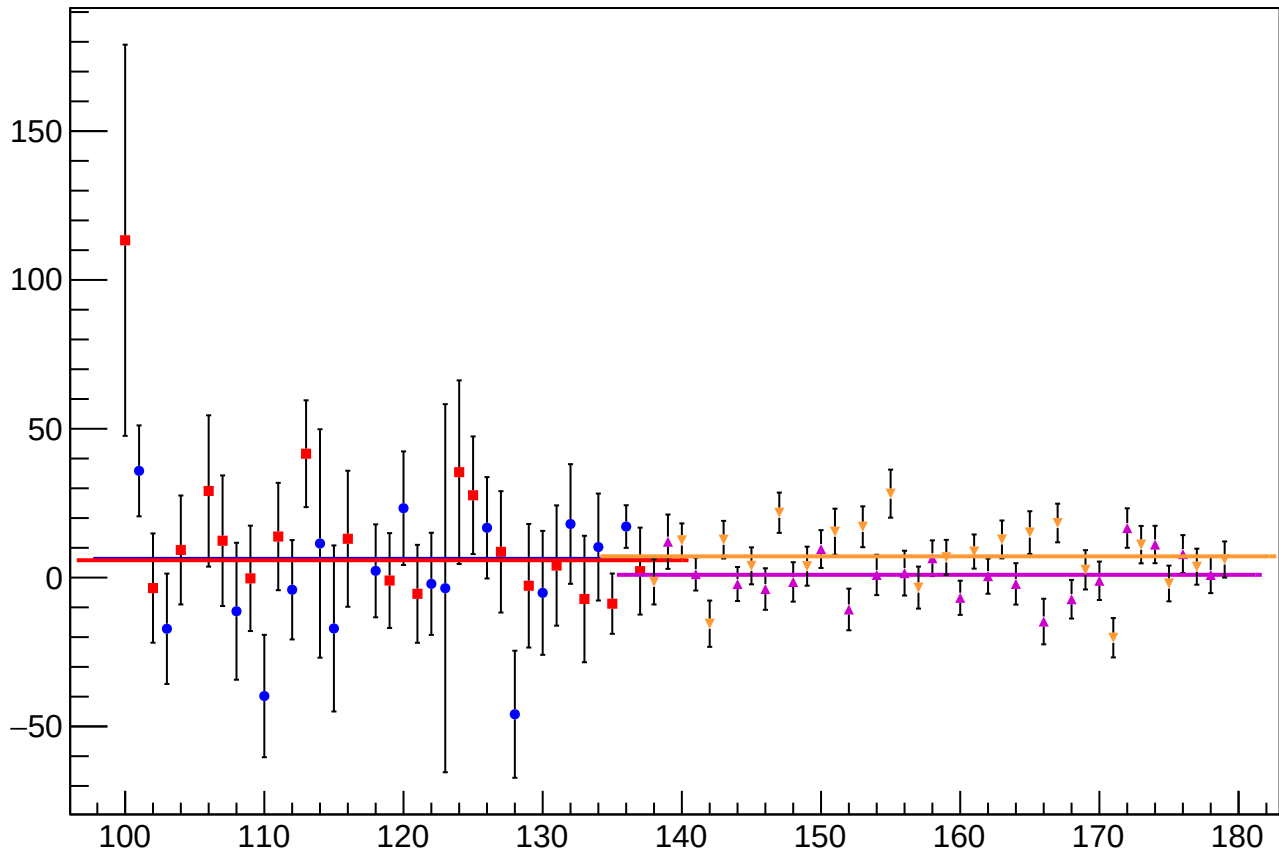
Right Out: 4697.726+/-1.336 χ^2/NDF : 1313121.0/18

All: 4738.813+/-0.521 χ^2/NDF : 6767535.1/77

Left In: 4561.707+/-0.866 χ^2/NDF : 2467029.0/19

- sign 4601.919+/-0.727 χ^2/NDF : 3787446.6/38

diff_bpm16X_mean vs Slug



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

Left Out: 7.138 ± 1.394 χ^2/NDF : 54.6/21

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

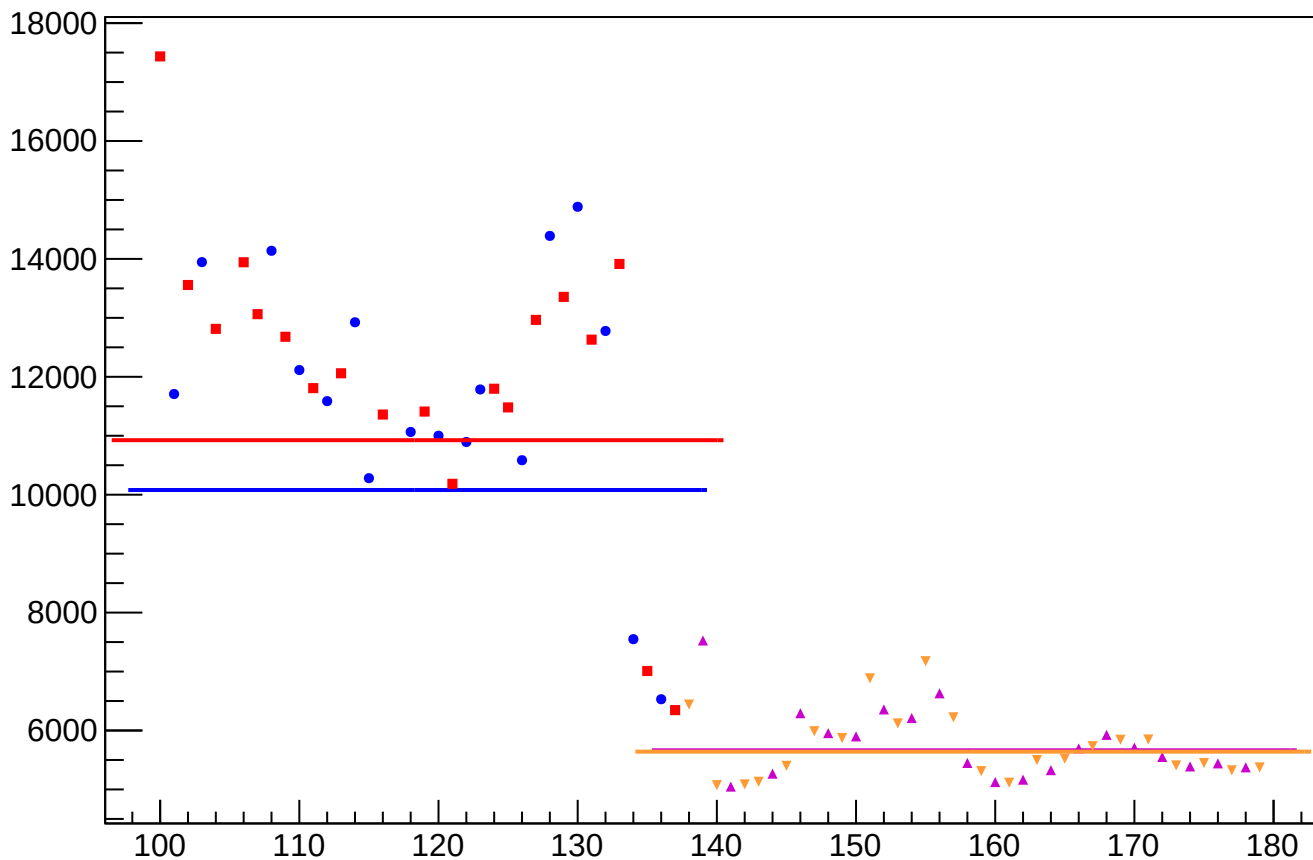
Left In: 0.934 ± 1.450 χ^2/NDF : 25.2/19

+ sign 7.048 ± 1.318 χ^2/NDF : 77.2/38

All: 4.360 ± 0.951 χ^2/NDF : 126.1/77

- sign 1.451 ± 1.372 χ^2/NDF : 40.2/38

diff_bpm16X_rms vs Slug



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

Left Out: 5641.353 $\pm$ 0.986 χ^2 /NDF: 266407.8/21

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

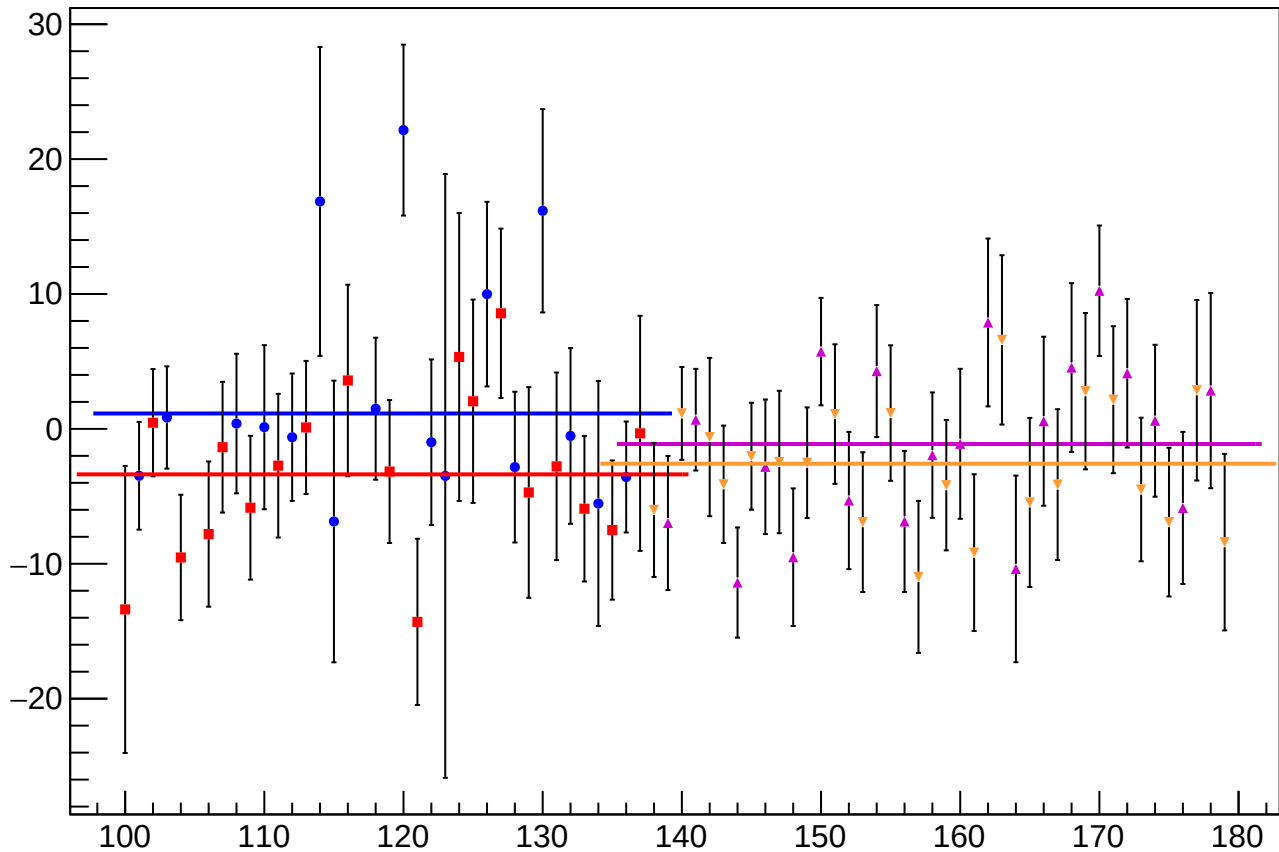
Left In: 5664.409 $\pm$ 1.026 χ^2 /NDF: 260229.0/19

+ sign 6108.443 $\pm$ 0.932 χ^2 /NDF: 3395086.0/38

All: 6162.158 $\pm$ 0.672 χ^2 /NDF: 7210904.9/77

- sign 6220.285 $\pm$ 0.970 χ^2 /NDF: 3808907.1/38

diff_bpm16Y_mean vs Slug



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

Left Out: -2.581 ± 1.088 χ^2/NDF : 13.5/21

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

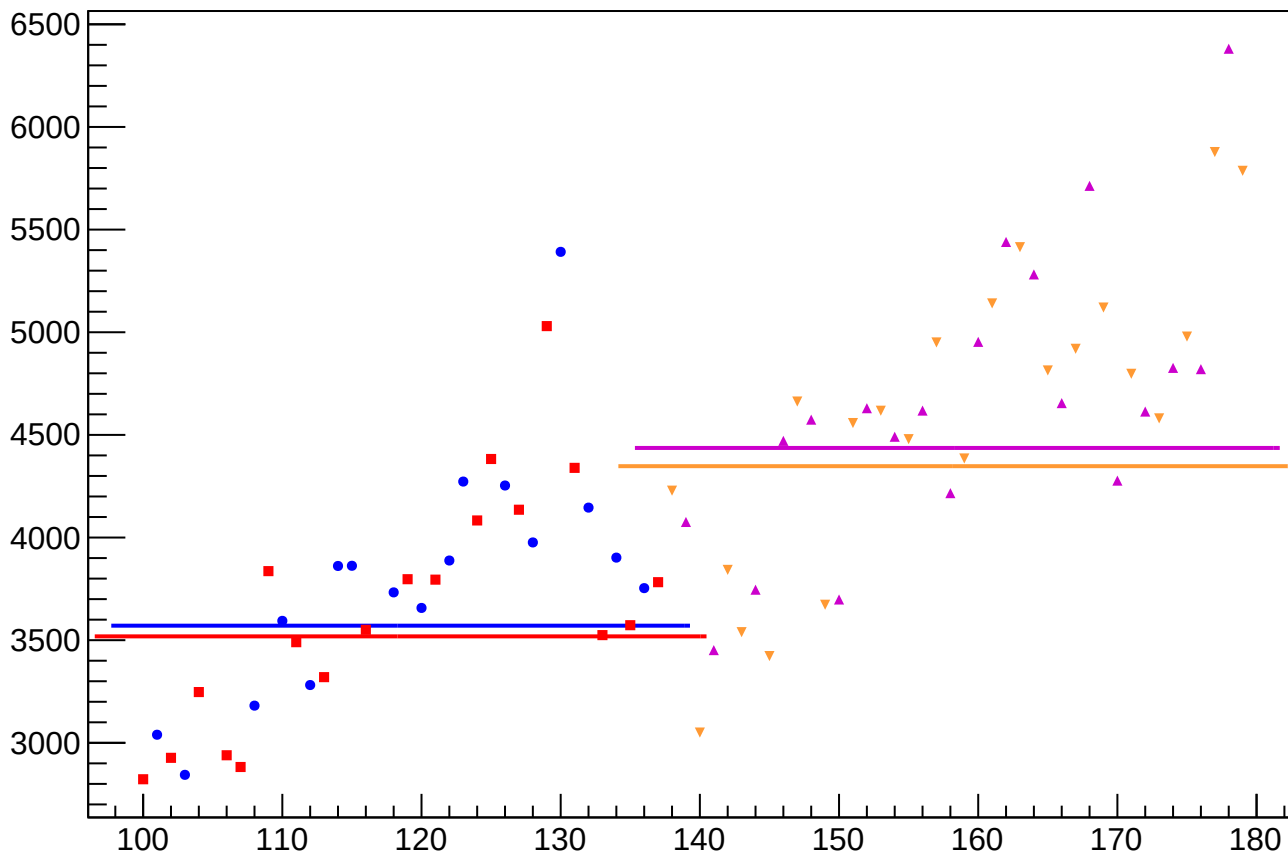
Left In: -1.123 ± 1.144 χ^2/NDF : 29.2/19

+ sign -1.173 ± 0.858 χ^2/NDF : 41.2/38

All: -1.619 ± 0.610 χ^2/NDF : 87.6/77

- sign -2.077 ± 0.868 χ^2/NDF : 45.9/38

diff_bpm16Y_rms vs Slug



Right In: 3570.707 $\pm$ 0.987 χ^2 /NDF: 309568.0/16

Left Out: 4347.593 $\pm$ 0.770 χ^2 /NDF: 980159.0/21

Right Out: 3518.621 $\pm$ 0.943 χ^2 /NDF: 293227.8/18

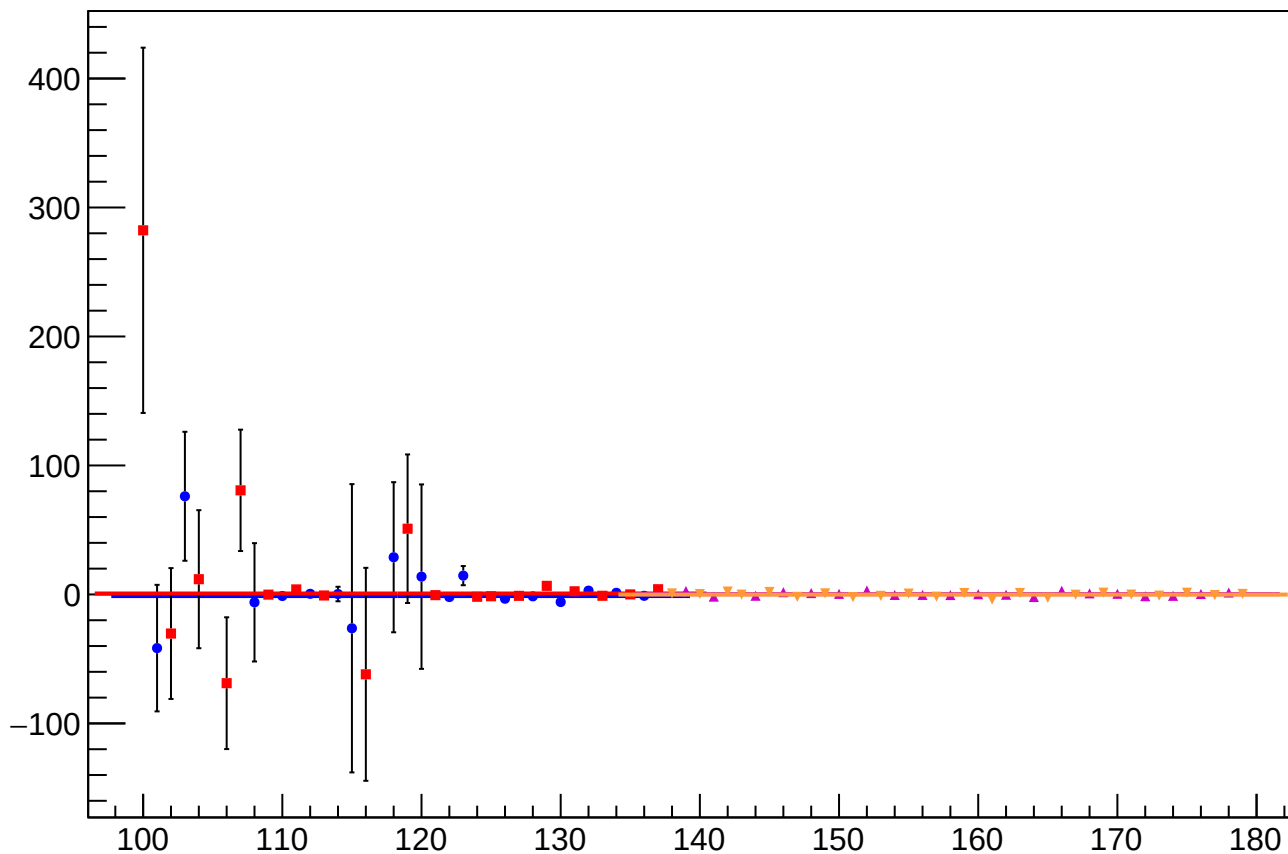
Left In: 4436.426 $\pm$ 0.809 χ^2 /NDF: 636829.0/19

+ sign 4053.698 $\pm$ 0.607 χ^2 /NDF: 1675251.0/38

All: 4050.428 $\pm$ 0.432 χ^2 /NDF: 3151168.1/77

- sign 4047.080 $\pm$ 0.614 χ^2 /NDF: 1475858.4/38

diff_bpm1p02bX_mean vs Slug



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

Left Out: -0.104 ± 0.260 χ^2/NDF : 34.0/21

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

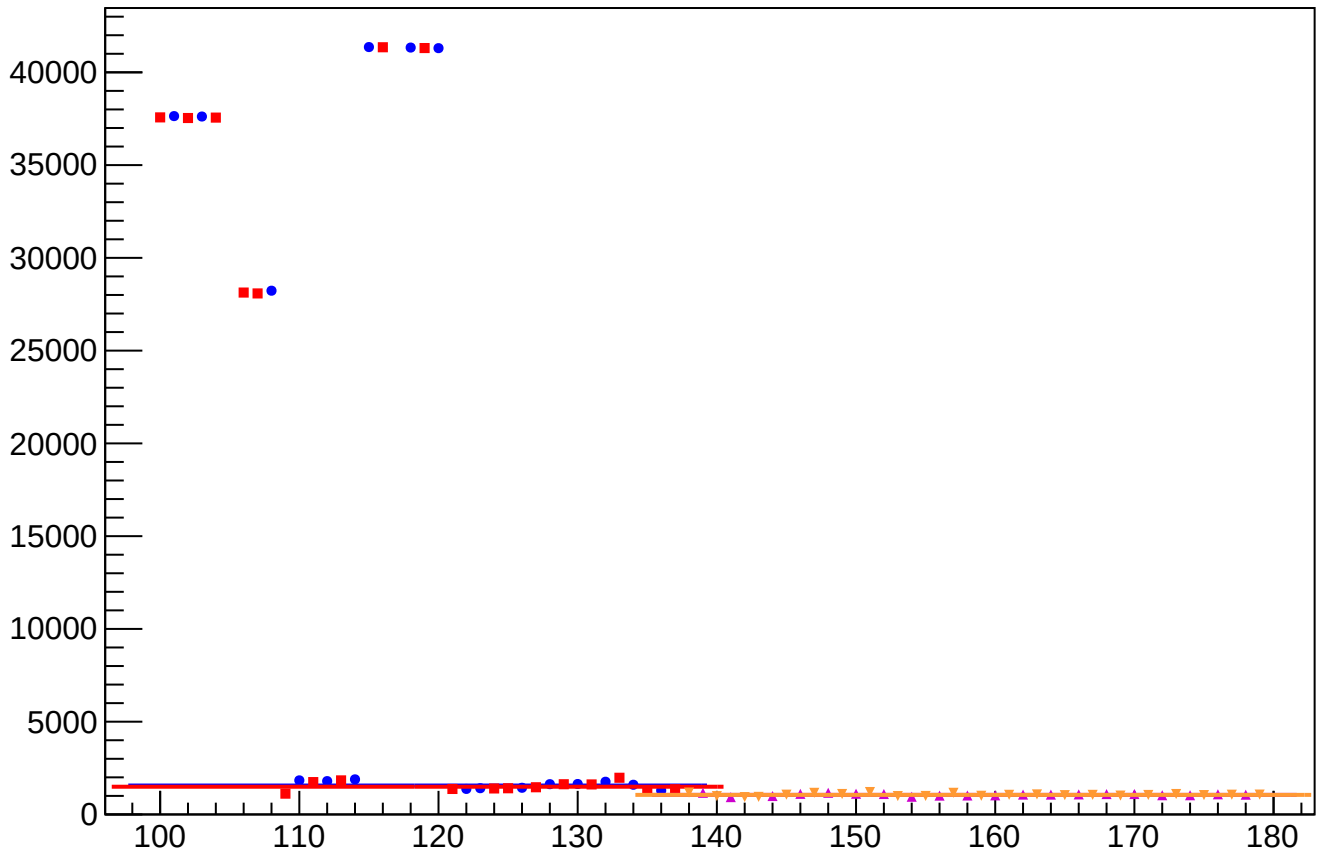
Left In: 0.209 ± 0.269 χ^2/NDF : 26.2/19

+ sign -0.229 ± 0.245 χ^2/NDF : 52.4/38

All: 0.016 ± 0.176 χ^2/NDF : 103.2/77

- sign 0.275 ± 0.252 χ^2/NDF : 48.7/38

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1054.992 $\pm$ 0.184 χ^2 /NDF: 135248.3/21

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

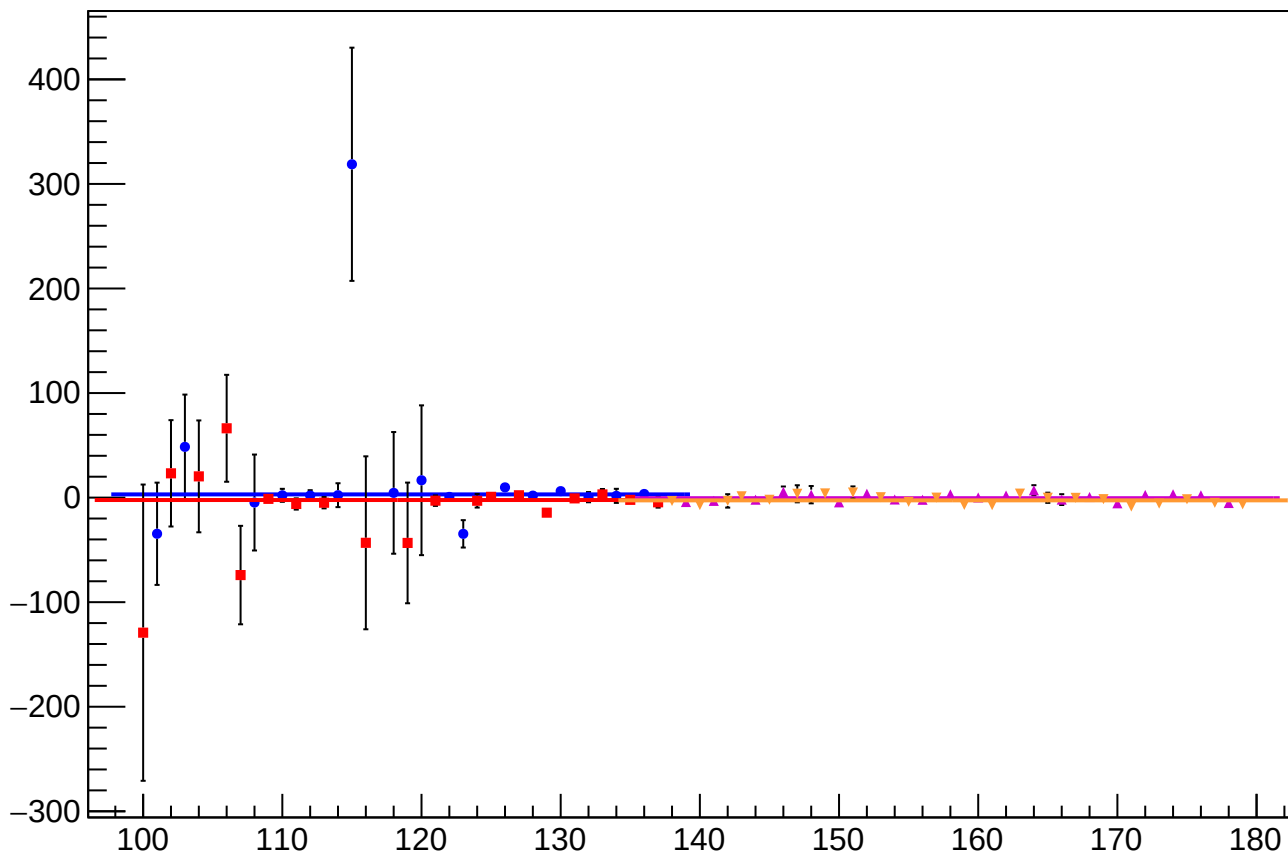
Left In: 1054.893 $\pm$ 0.191 χ^2 /NDF: 107266.3/19

+ sign 1109.283 $\pm$ 0.174 χ^2 /NDF: 5699404.5/38

All: 1109.733 $\pm$ 0.124 χ^2 /NDF: 11369695.9/7

- sign 1110.207 $\pm$ 0.178 χ^2 /NDF: 5670277.6/38

diff_bpm1p02bY_mean vs Slug



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

Left Out: -2.621 ± 0.849 χ^2/NDF : 17.2/21

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

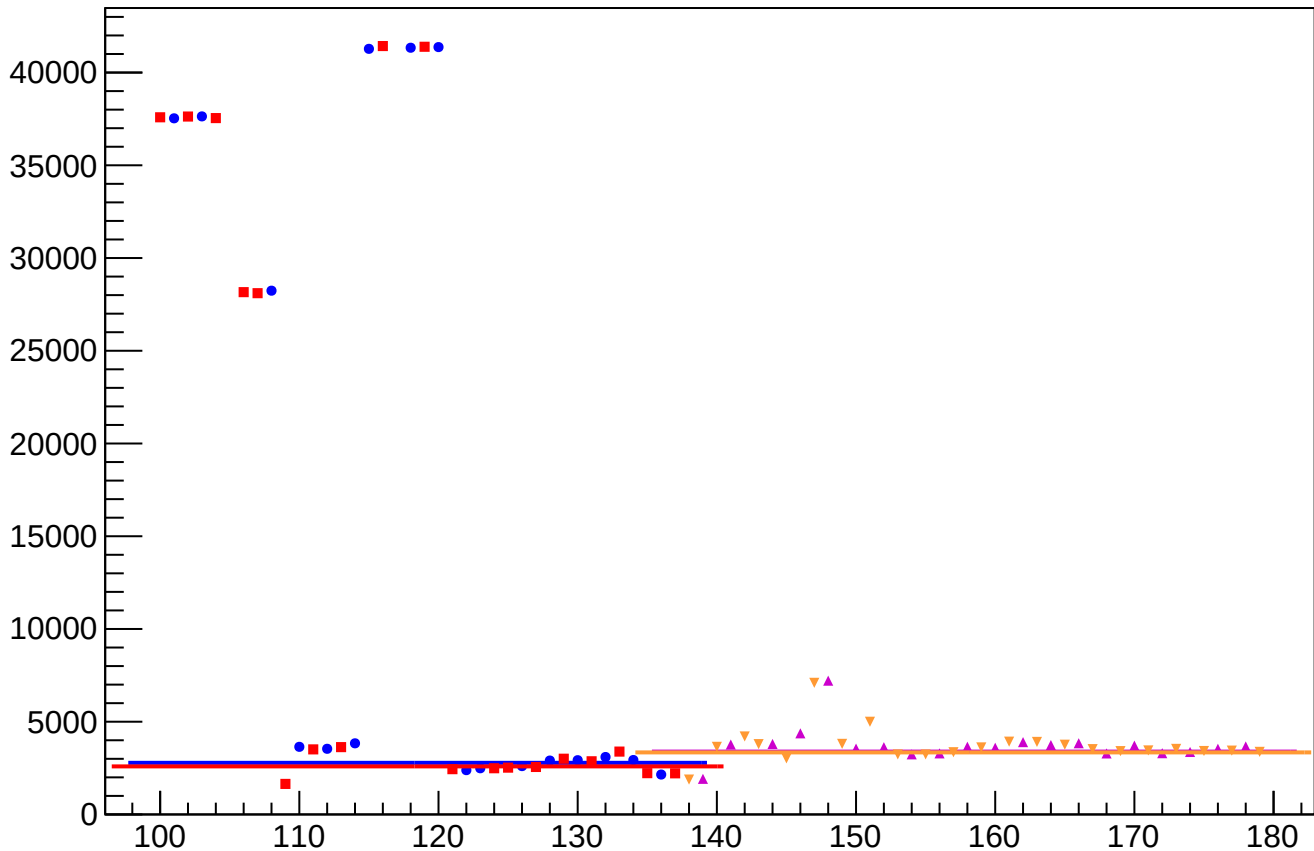
Left In: -0.550 ± 0.891 χ^2/NDF : 15.3/19

+ sign -0.959 ± 0.715 χ^2/NDF : 52.2/38

All: -1.054 ± 0.508 χ^2/NDF : 85.8/77

- sign -1.151 ± 0.722 χ^2/NDF : 33.5/38

diff_bpm1p02bY_rms vs Slug



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

Left Out: 3345.666+/-0.601 χ^2/NDF : 1627871.7/21

+ sign 3181.740+/-0.505 χ^2/NDF : 6460486.1/38

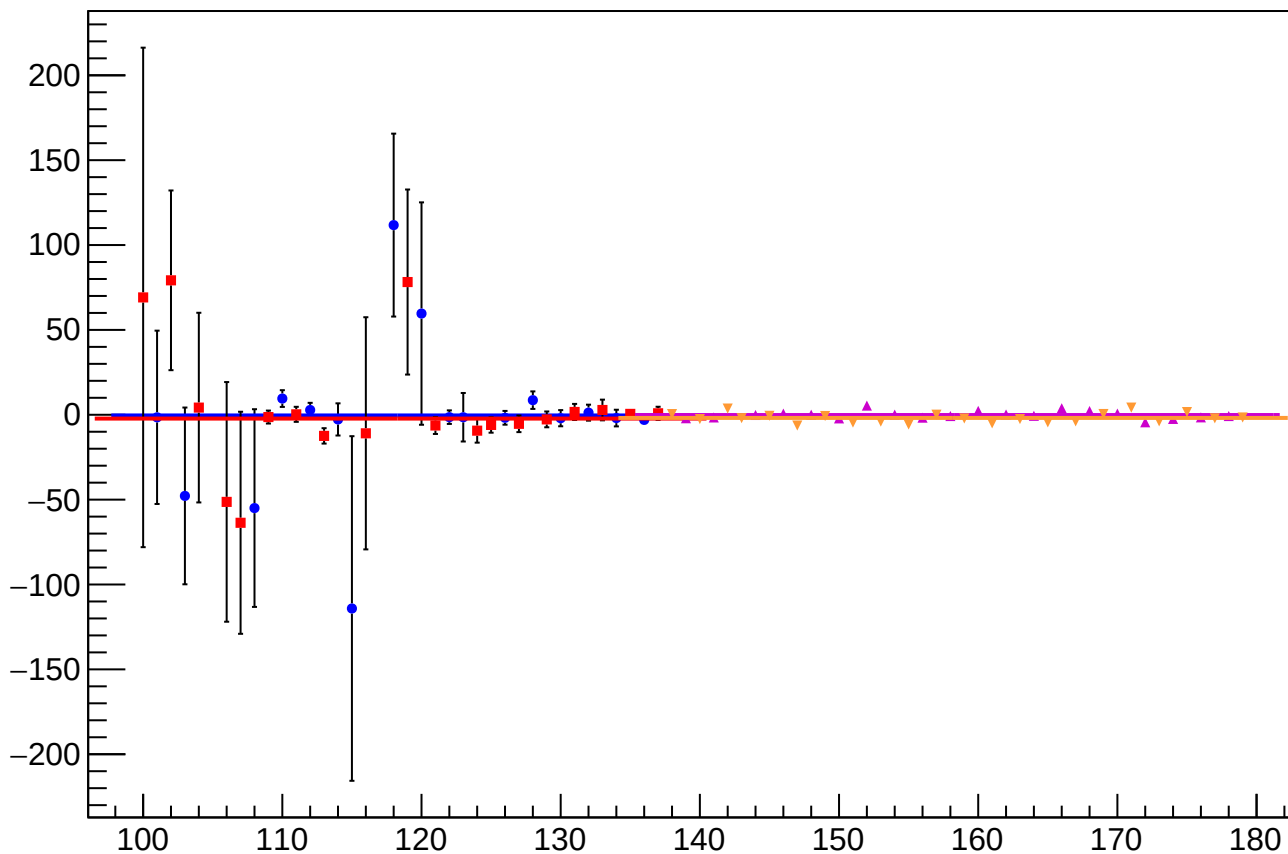
Right Out: 2591.161+/-0.873 χ^2/NDF : 4846722.1/18

All: 3149.357+/-0.359 χ^2/NDF : 13282003.4/7

Left In: 3389.679+/-0.630 χ^2/NDF : 1416226.8/19

- sign 3116.289+/-0.511 χ^2/NDF : 6813221.9/38

diff_bpm1p03aX_mean vs Slug



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

Left Out: -1.860 ± 0.409 χ^2/NDF : 42.5/21

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

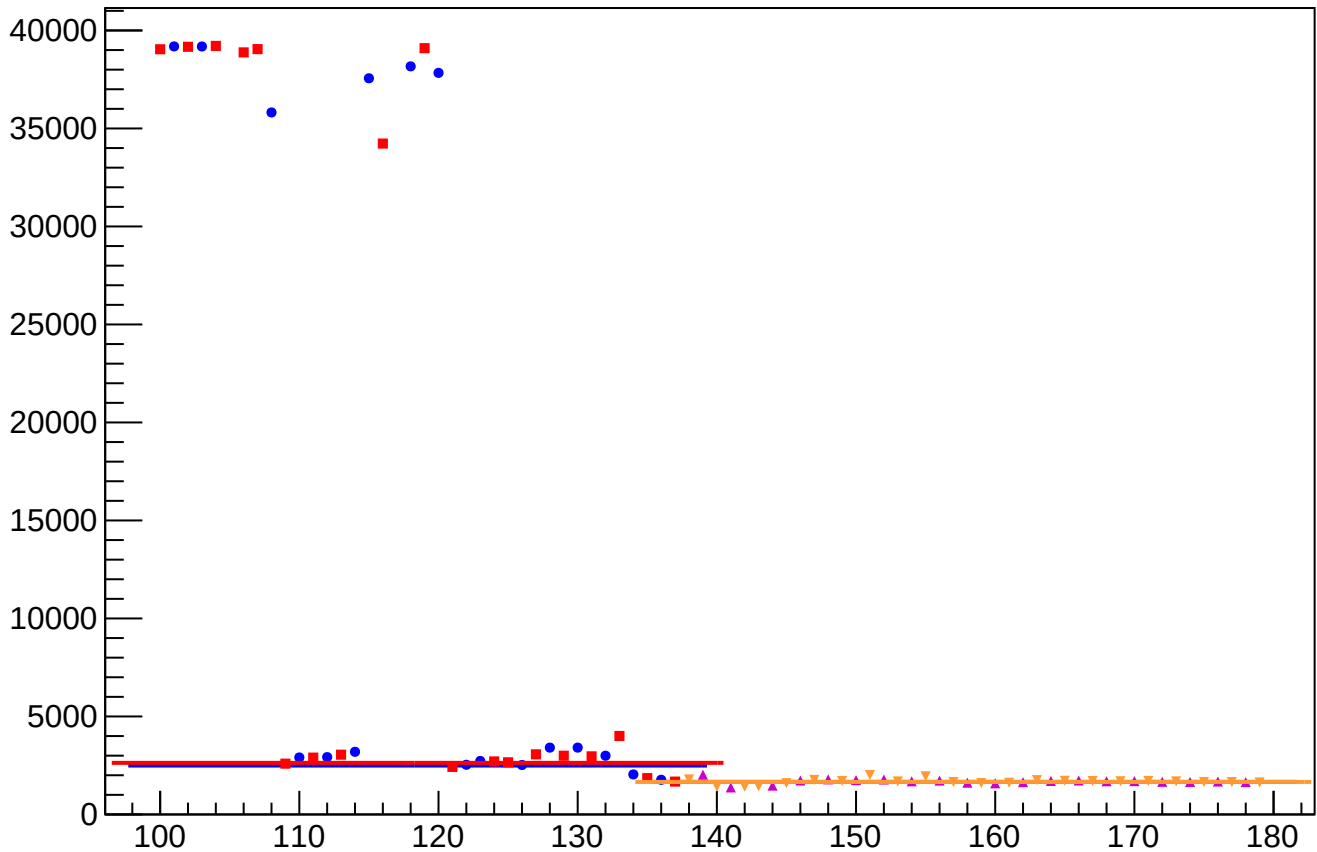
Left In: -0.159 ± 0.425 χ^2/NDF : 24.9/19

+ sign -1.712 ± 0.388 χ^2/NDF : 62.0/38

All: -1.069 ± 0.279 χ^2/NDF : 112.6/77

- sign -0.376 ± 0.402 χ^2/NDF : 44.8/38

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1658.989 $\pm$ 0.289 χ^2 /NDF: 215331.3/21

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

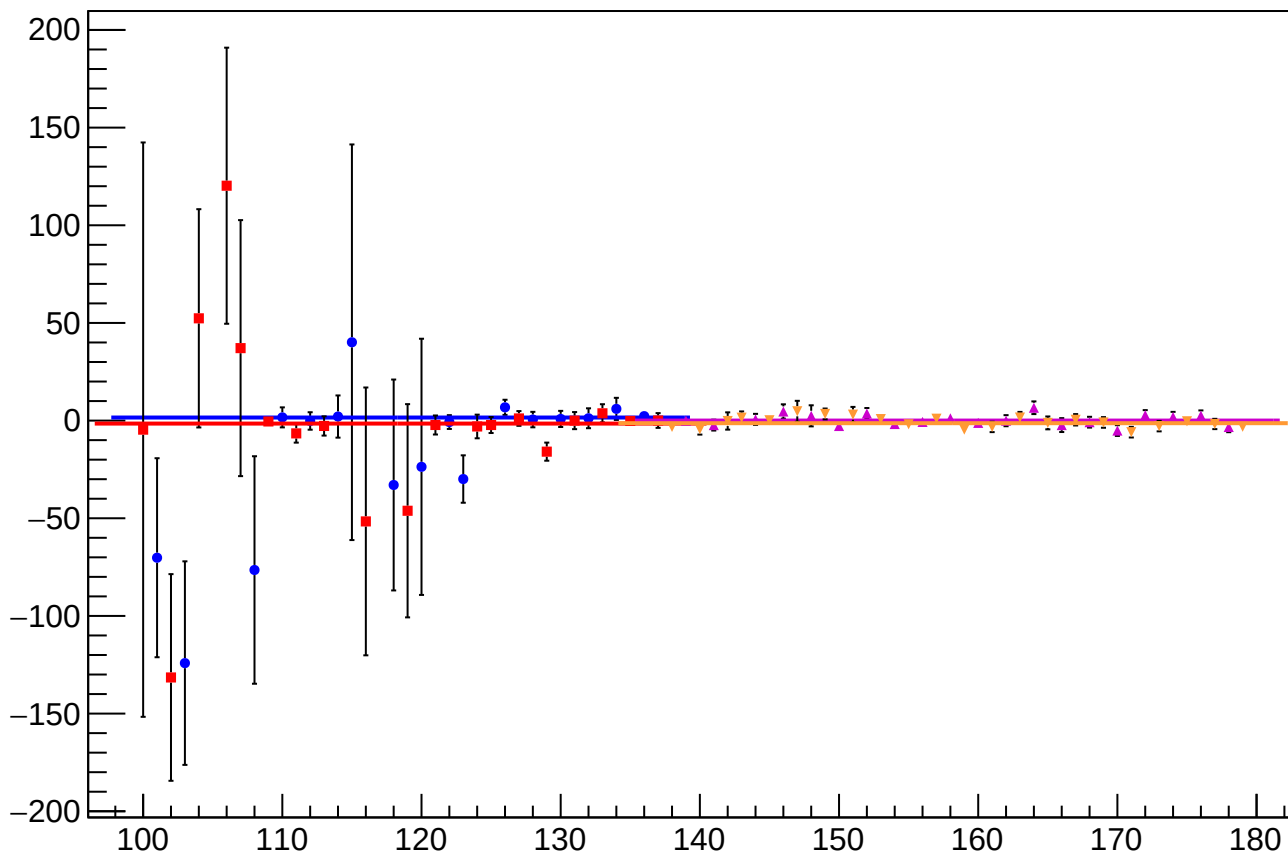
Left In: 1662.777 $\pm$ 0.301 χ^2 /NDF: 178454.3/19

+ sign 1743.900 $\pm$ 0.274 χ^2 /NDF: 5945728.8/38

All: 1753.596 $\pm$ 0.198 χ^2 /NDF: 12074106.3/7

- sign 1764.030 $\pm$ 0.285 χ^2 /NDF: 6125783.9/38

diff_bpm1p03aY_mean vs Slug



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

Left Out: -1.323 ± 0.563 χ^2/NDF : 19.1/21

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

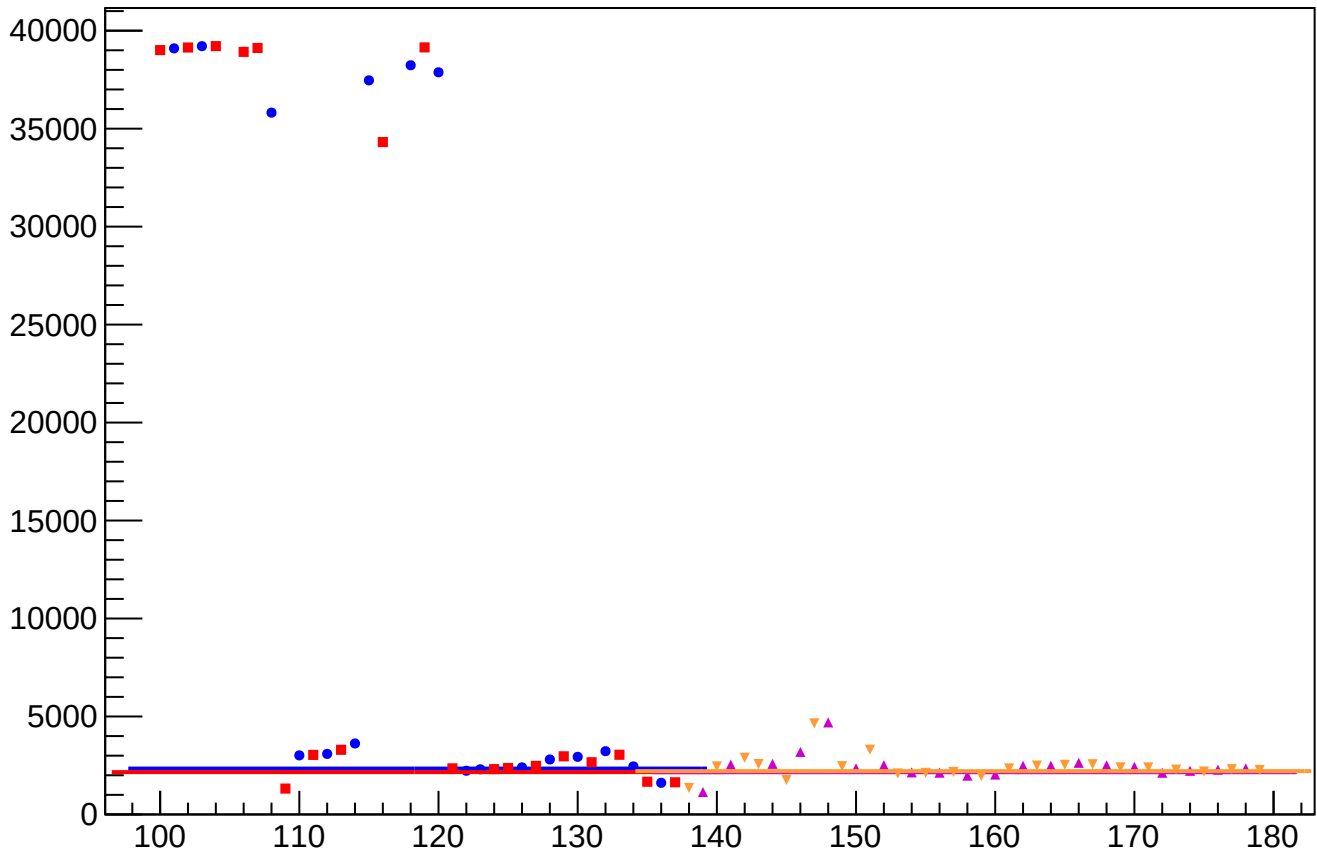
Left In: 0.018 ± 0.573 χ^2/NDF : 18.6/19

+ sign -0.758 ± 0.505 χ^2/NDF : 44.6/38

All: -0.543 ± 0.357 χ^2/NDF : 90.2/77

- sign -0.329 ± 0.504 χ^2/NDF : 45.3/38

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2211.209+/-0.398 χ^2/NDF : 1408759.1/21

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

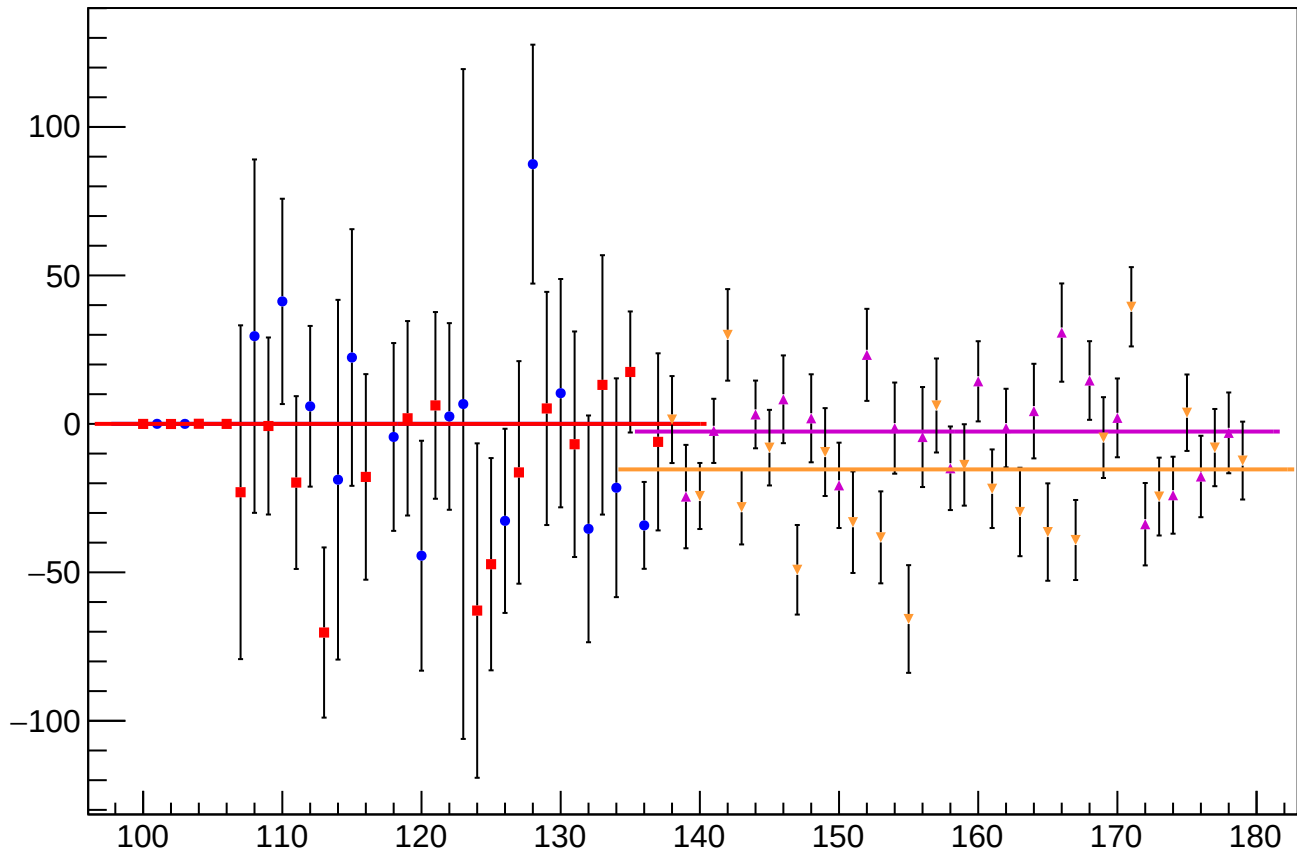
Left In: 2155.635+/-0.405 χ^2/NDF : 1963004.6/19

+ sign 2236.559+/-0.357 χ^2/NDF : 6436423.6/38

All: 2196.661+/-0.252 χ^2/NDF : 13723464.3/71

- sign 2156.880+/-0.356 χ^2/NDF : 7262096.6/38

diff_cav4bX_mean vs Slug



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

Left Out: -15.328 ± 2.983 χ^2/NDF : 56.4/21

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

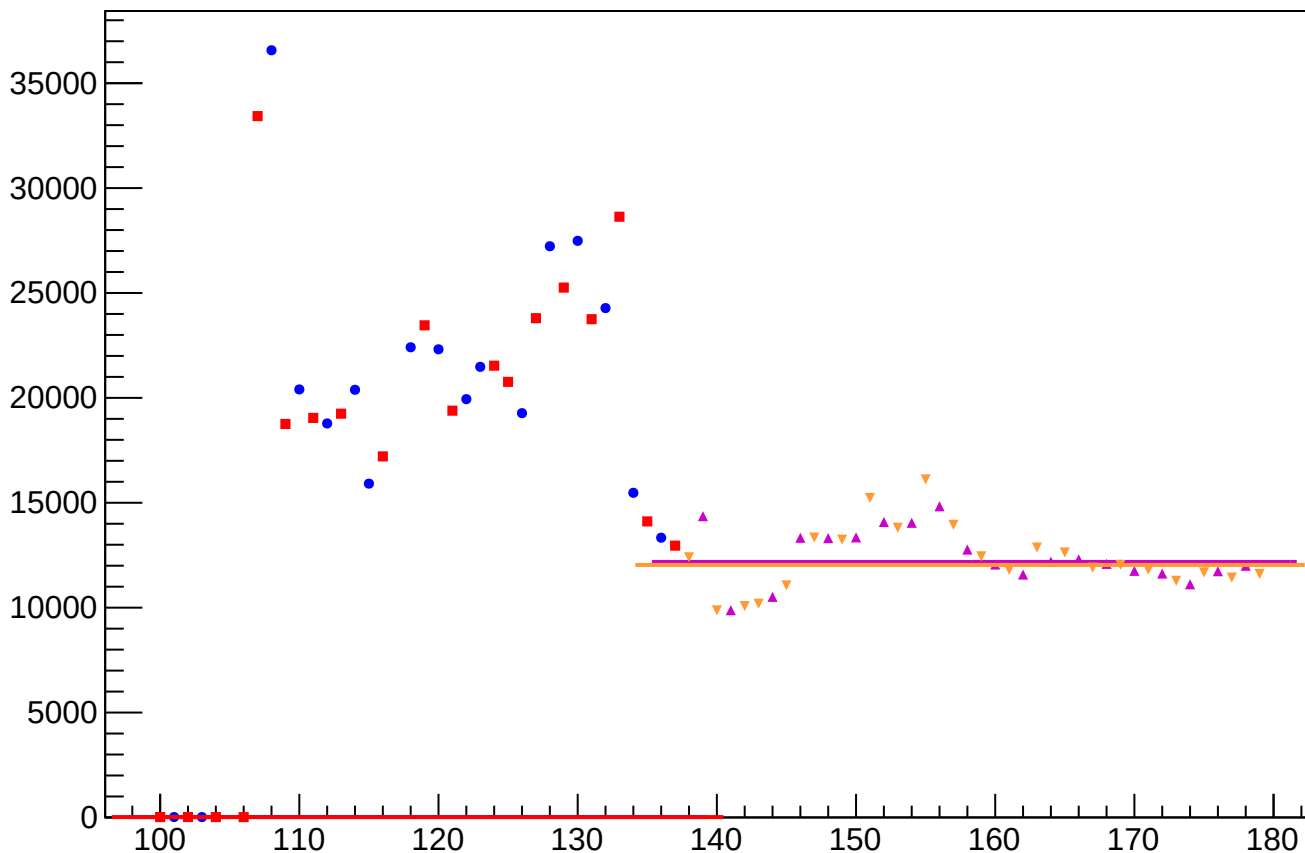
Left In: -2.584 ± 3.123 χ^2/NDF : 24.3/19

+ sign 0.013 ± 0.017 χ^2/NDF : 99.0/38

All: 0.008 ± 0.012 χ^2/NDF : 140.0/77

- sign 0.003 ± 0.016 χ^2/NDF : 40.8/38

diff_cav4bX_rms vs Slug



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

Left Out: 12036.458 $\pm$ 2.109 χ^2 /NDF: 445363.0/21

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

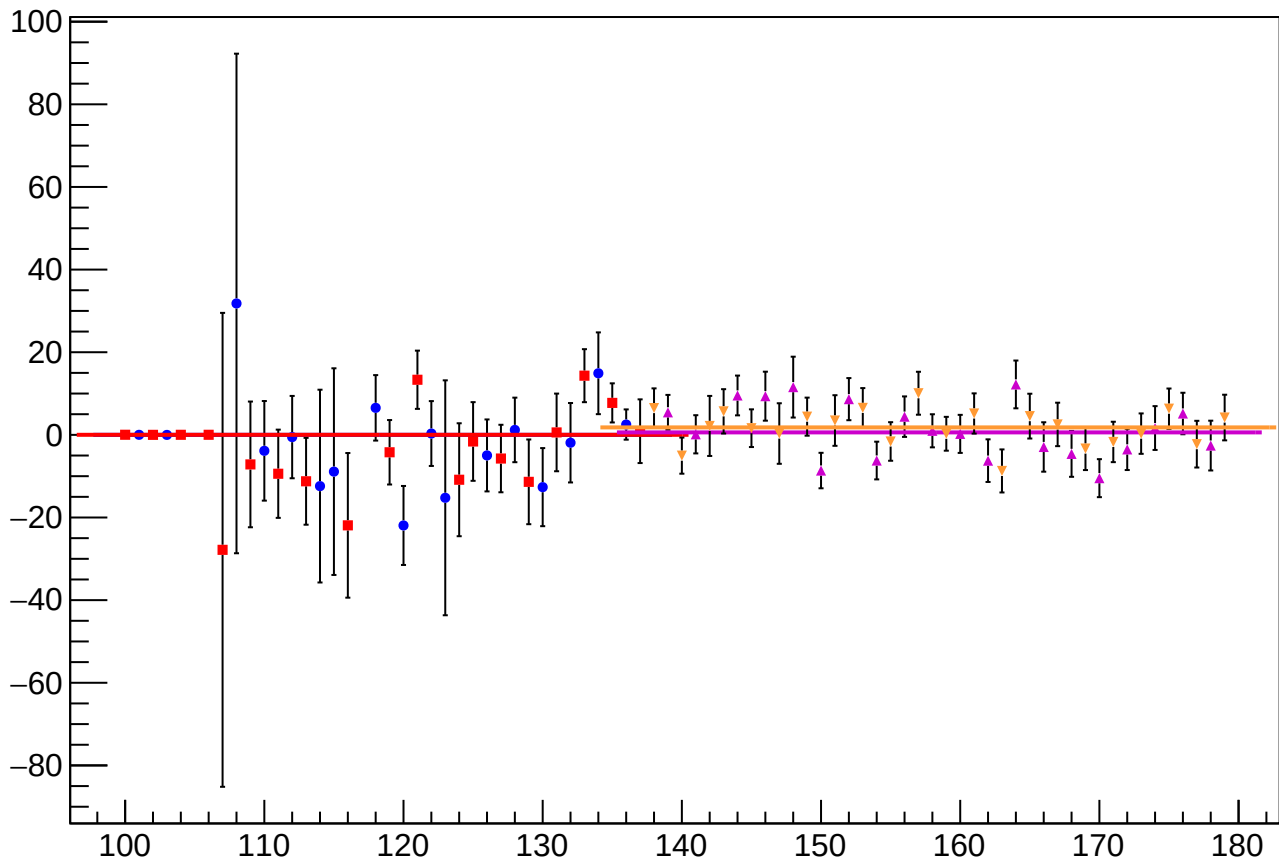
Left In: 12179.094 $\pm$ 2.208 χ^2 /NDF: 340479.5/19

+ sign 19.047 $\pm$ 0.012 χ^2 /NDF: 43892065.6/38

All: 18.825 $\pm$ 0.008 χ^2 /NDF: 85669088.0/77

- sign 18.634 $\pm$ 0.011 χ^2 /NDF: 41776409.0/38

diff_cav4bY_mean vs Slug



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

Left Out: 1.806 $\pm$ 1.083 χ^2 /NDF:16.5/21

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

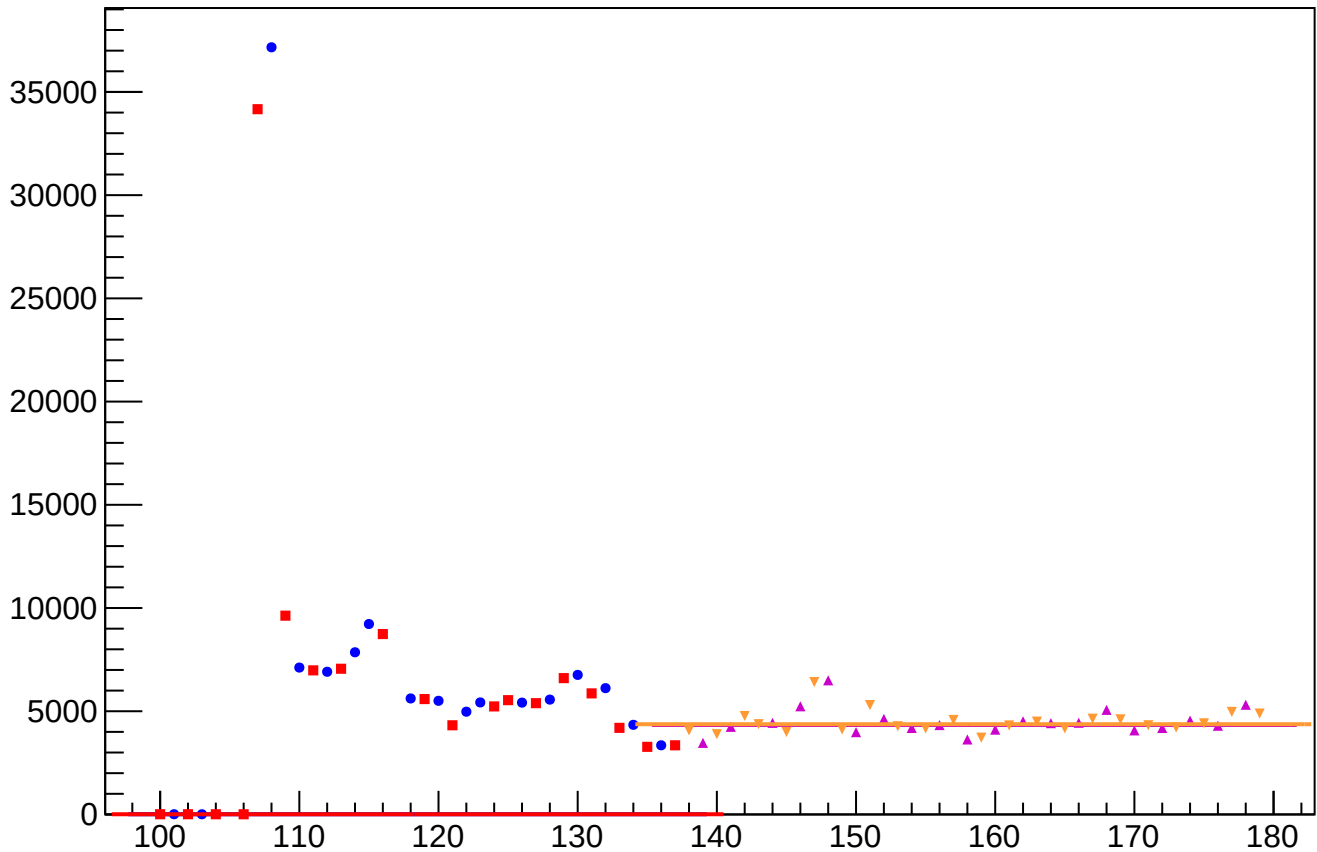
Left In: 0.598 $\pm$ 1.116 χ^2 /NDF:33.8/19

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 32.3/38

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 86.1/77

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 52.6/38

diff_cav4bY_rms vs Slug



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

Left Out: 4370.668+/-0.766 χ^2/NDF : 373366.7/21

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

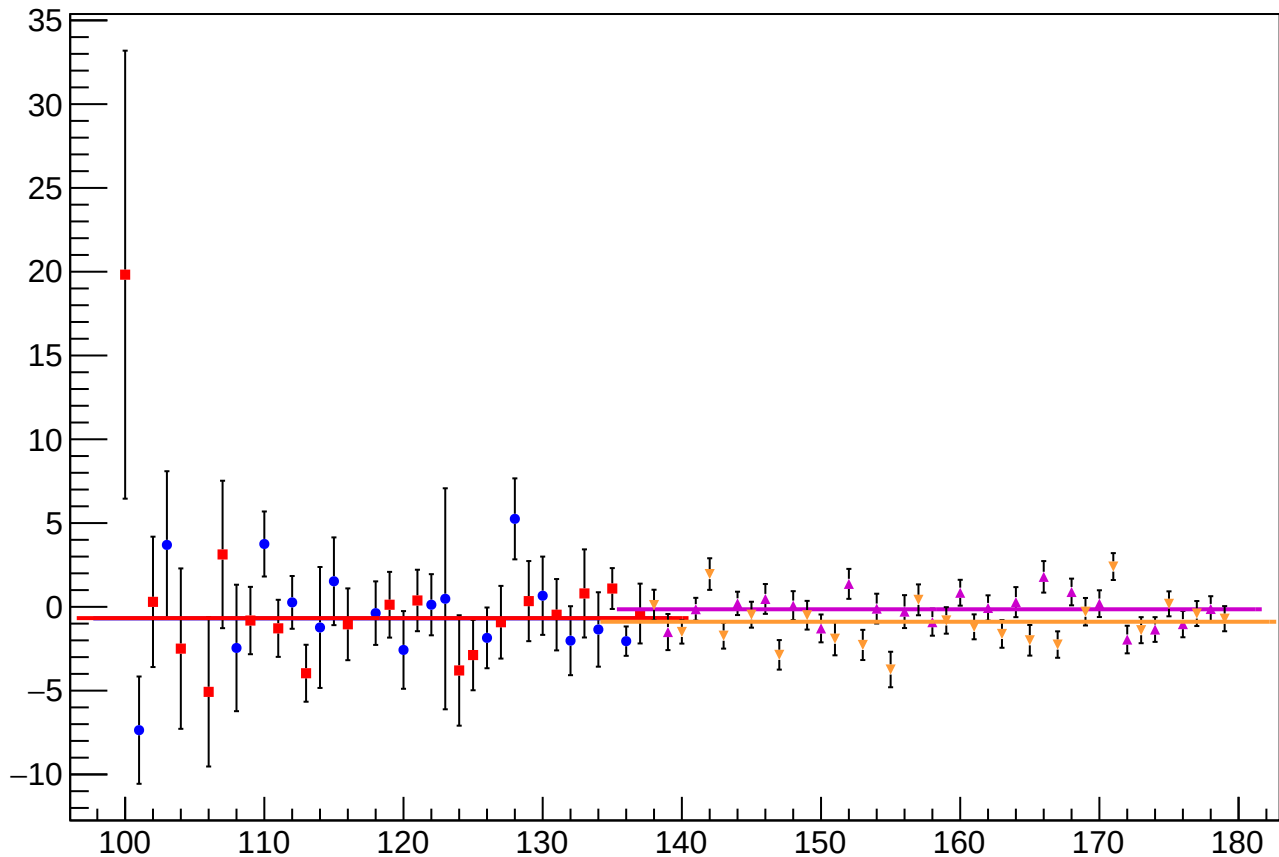
Left In: 4333.458+/-0.789 χ^2/NDF : 496261.5/19

+ sign 10.254+/-0.007 χ^2/NDF : 43912721.9/38

All: 10.180+/-0.004 χ^2/NDF : 85593547.8/77

- sign 10.114+/-0.006 χ^2/NDF : 41680581.4/38

diff_cav4cX_mean vs Slug



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

Left Out: -0.889 ± 0.176 χ^2/NDF : 56.1/21

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

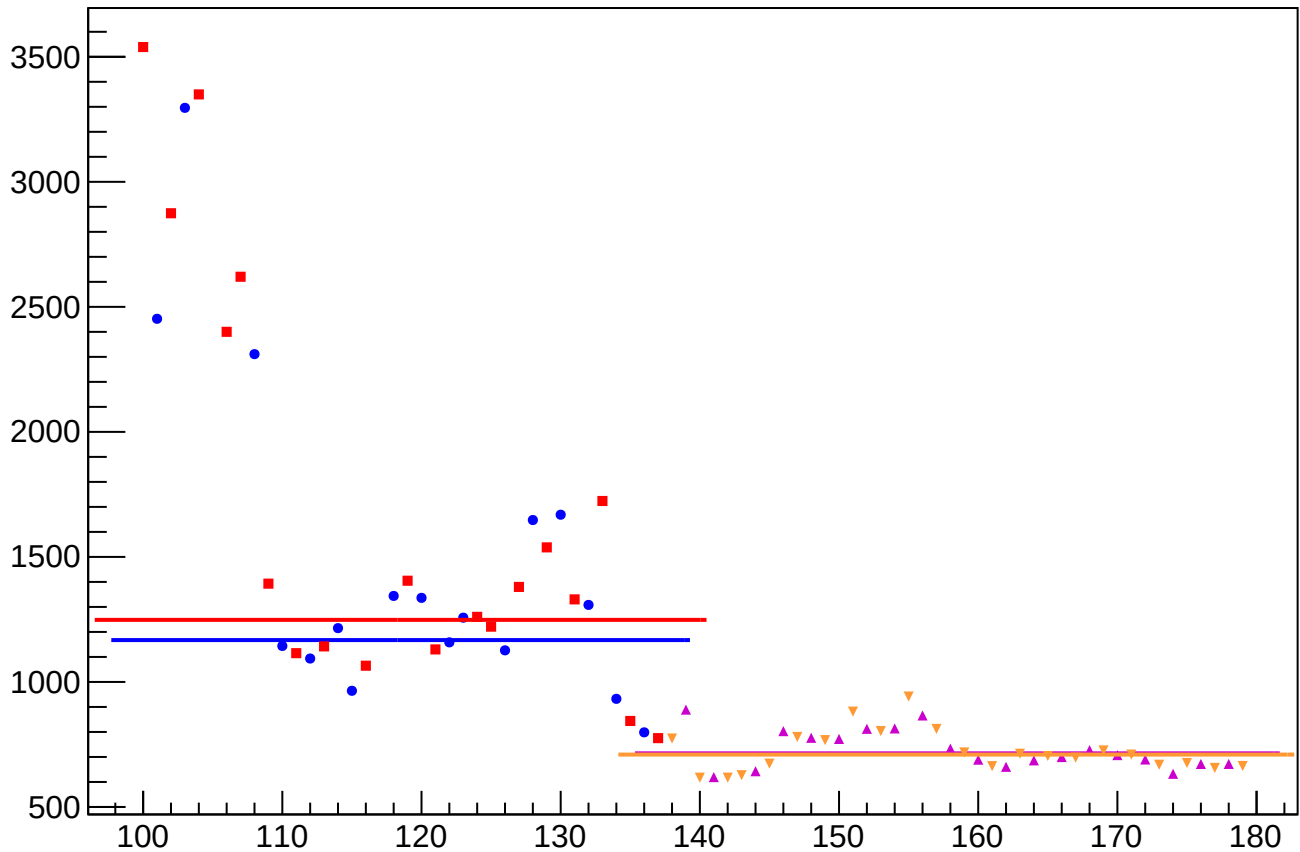
Left In: -0.145 ± 0.183 χ^2/NDF : 24.8/19

+ sign -0.865 ± 0.165 χ^2/NDF : 78.8/38

All: -0.550 ± 0.119 χ^2/NDF : 125.5/77

- sign -0.207 ± 0.172 χ^2/NDF : 39.1/38

diff_cav4cX_rms vs Slug



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

Left Out: 709.522 $\pm$ 0.124 χ^2 /NDF: 352655.6/21

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

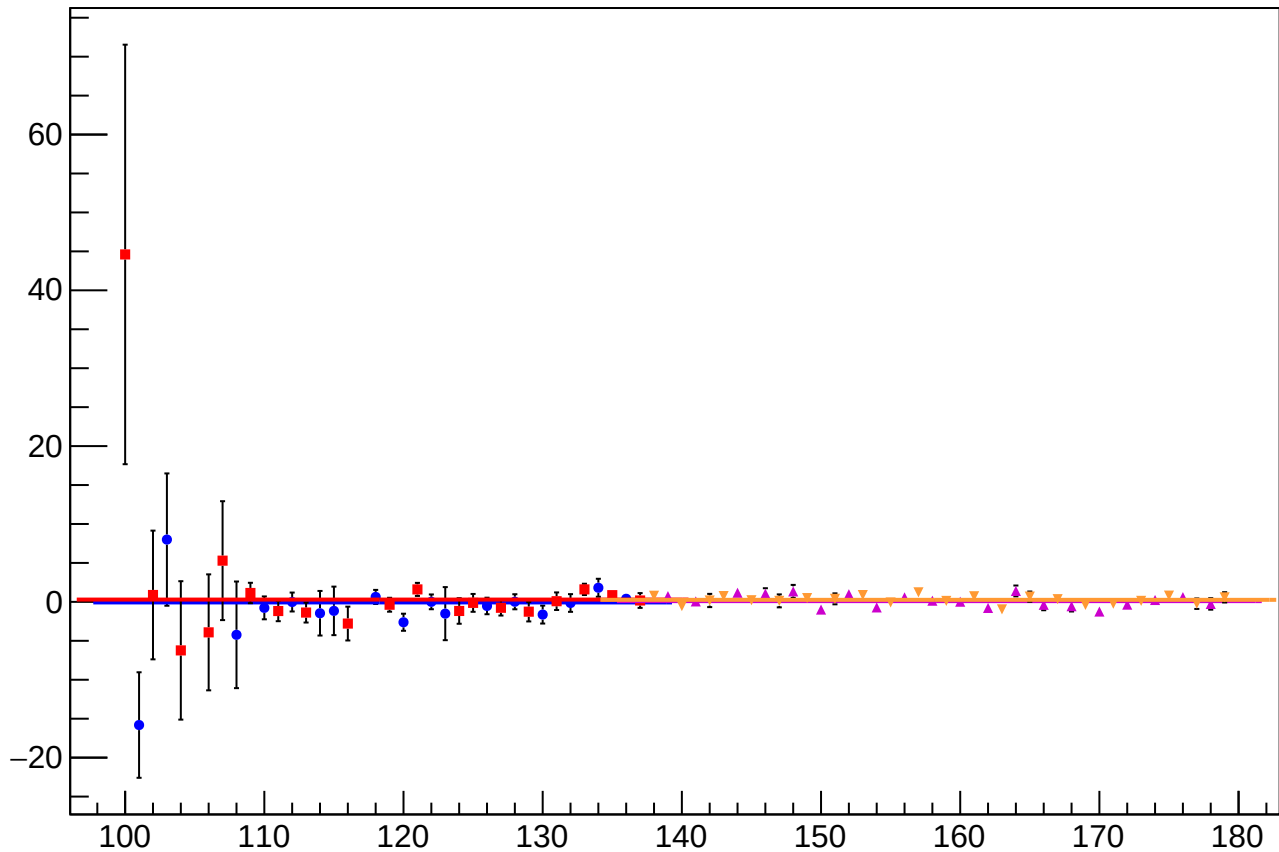
Left In: 714.551 $\pm$ 0.129 χ^2 /NDF: 304463.5/19

+ sign 763.080 $\pm$ 0.117 χ^2 /NDF: 3522875.9/38

All: 769.986 $\pm$ 0.084 χ^2 /NDF: 7493119.9/77

- sign 777.491 $\pm$ 0.122 χ^2 /NDF: 3962927.6/38

diff_cav4cY_mean vs Slug



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

Left Out: 0.260 ± 0.130 χ^2/NDF : 16.2/21

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

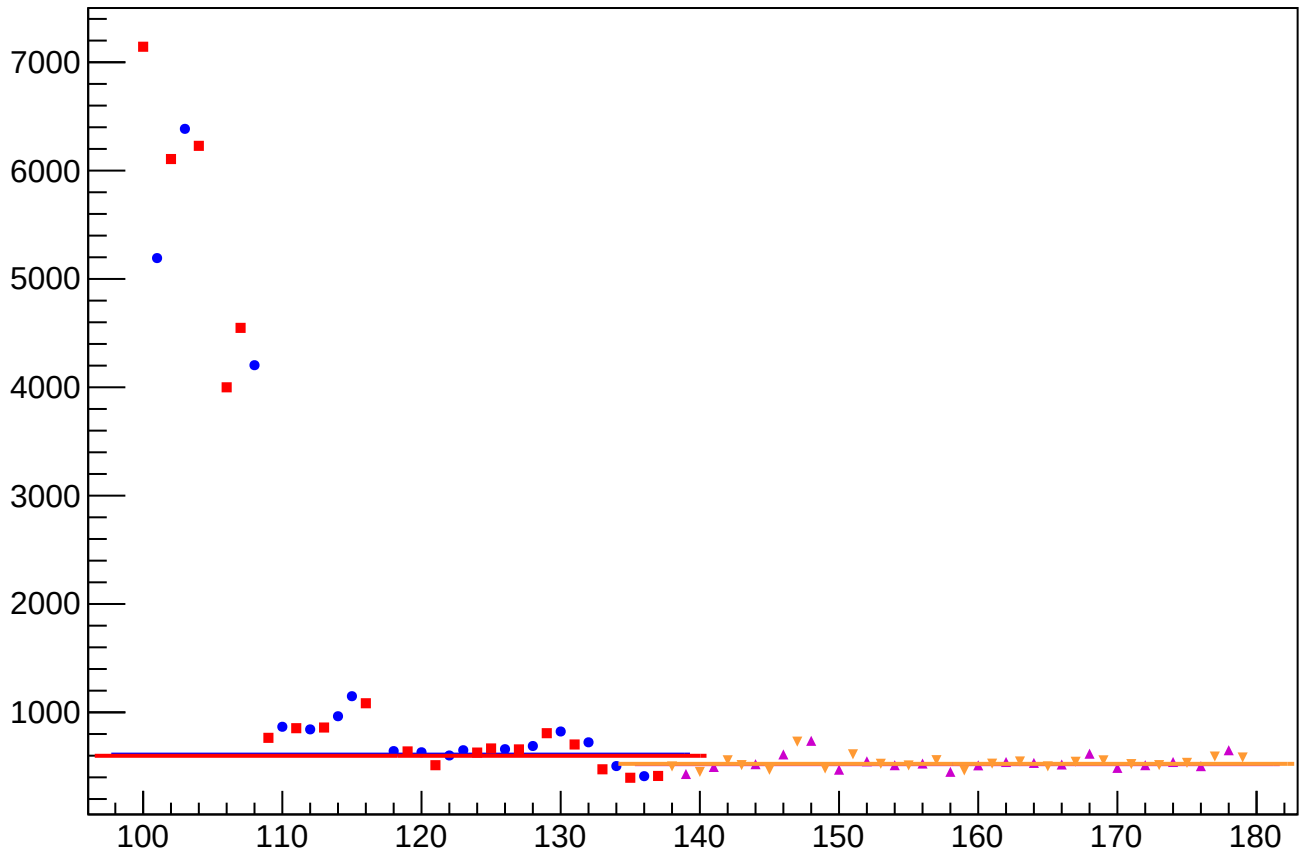
Left In: 0.095 ± 0.134 χ^2/NDF : 33.2/19

+ sign 0.197 ± 0.117 χ^2/NDF : 36.7/38

All: 0.167 ± 0.084 χ^2/NDF : 90.7/77

- sign 0.136 ± 0.120 χ^2/NDF : 53.9/38

diff_cav4cY_rms vs Slug



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

Left Out: 524.629 $\pm$ 0.092 χ^2 /NDF: 321070.1/21

+ sign 540.763 $\pm$ 0.083 χ^2 /NDF: 3619987.5/38

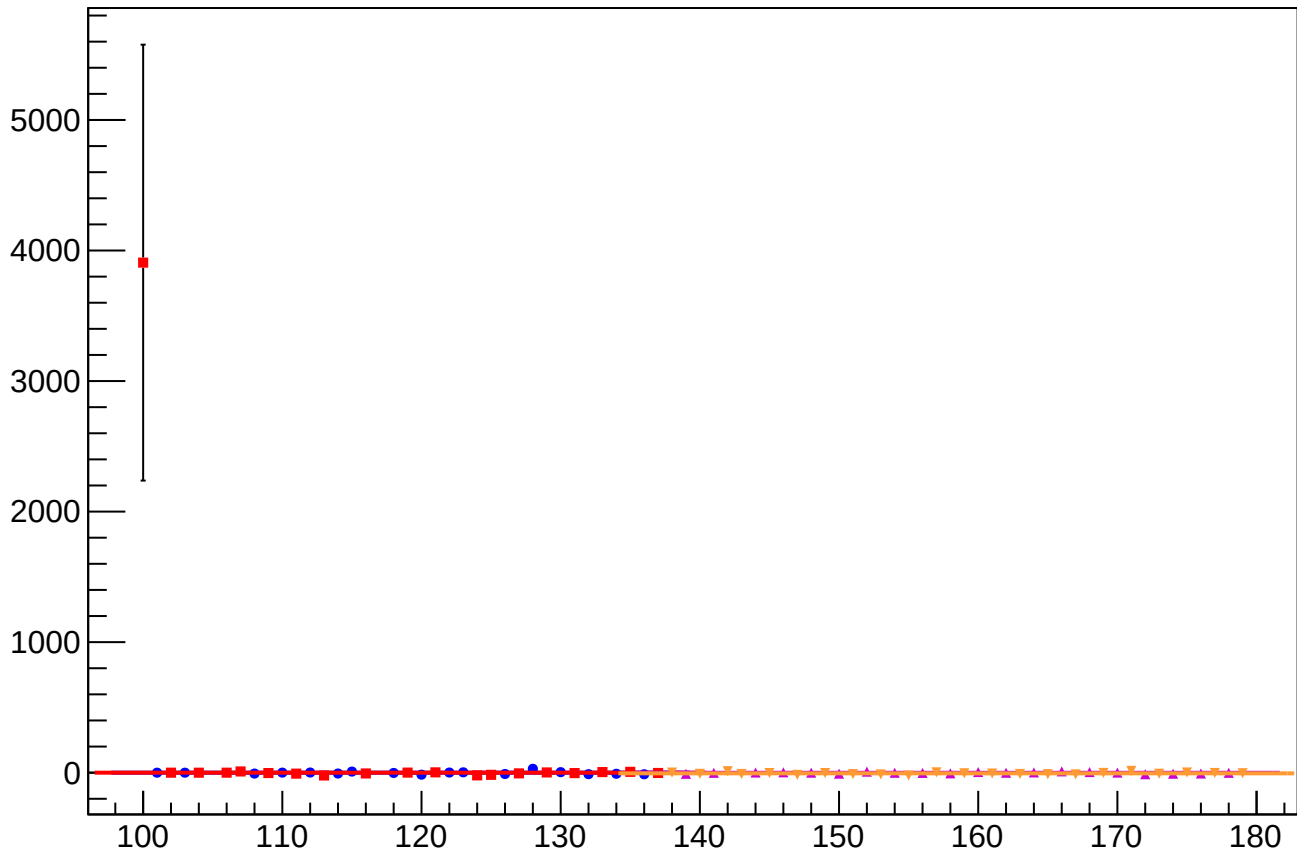
Right Out: 599.018 $\pm$ 0.187 χ^2 /NDF: 3552387.3/18

All: 539.226 $\pm$ 0.059 χ^2 /NDF: 7723082.8/77

Left In: 521.758 $\pm$ 0.095 χ^2 /NDF: 413782.6/19

- sign 537.619 $\pm$ 0.085 χ^2 /NDF: 4102388.4/38

diff_cav4dX_mean vs Slug



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

Left Out: -5.144 ± 1.022 χ^2/NDF : 56.0/21

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

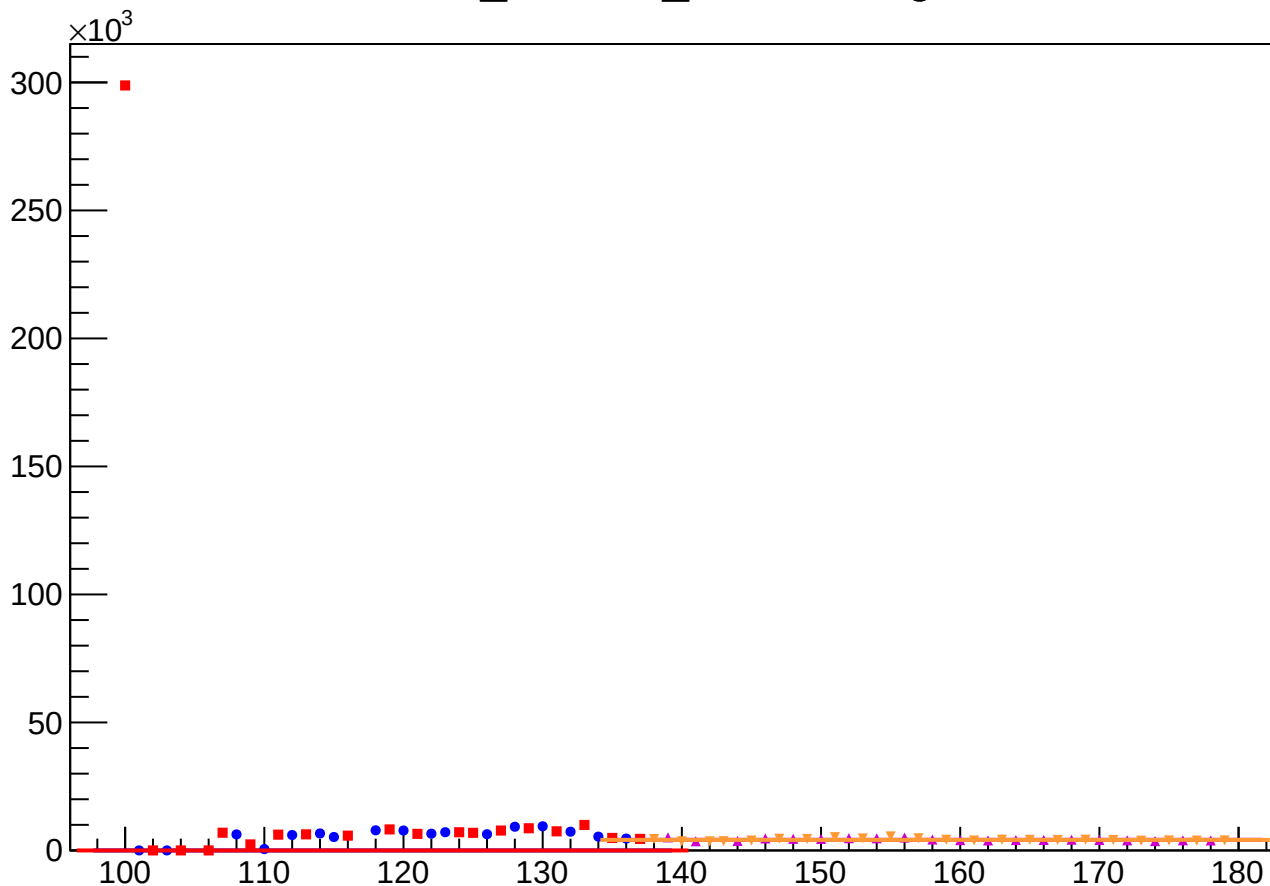
Left In: -0.903 ± 1.066 χ^2/NDF : 25.0/19

+ sign -0.024 ± 0.021 χ^2/NDF : 96.7/38

All: -0.025 ± 0.014 χ^2/NDF : 140.3/77

- sign -0.027 ± 0.020 χ^2/NDF : 43.5/38

diff_cav4dX_rms vs Slug



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

Left Out: 4129.569 ± 0.723 χ^2/NDF : 371022.6/21

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

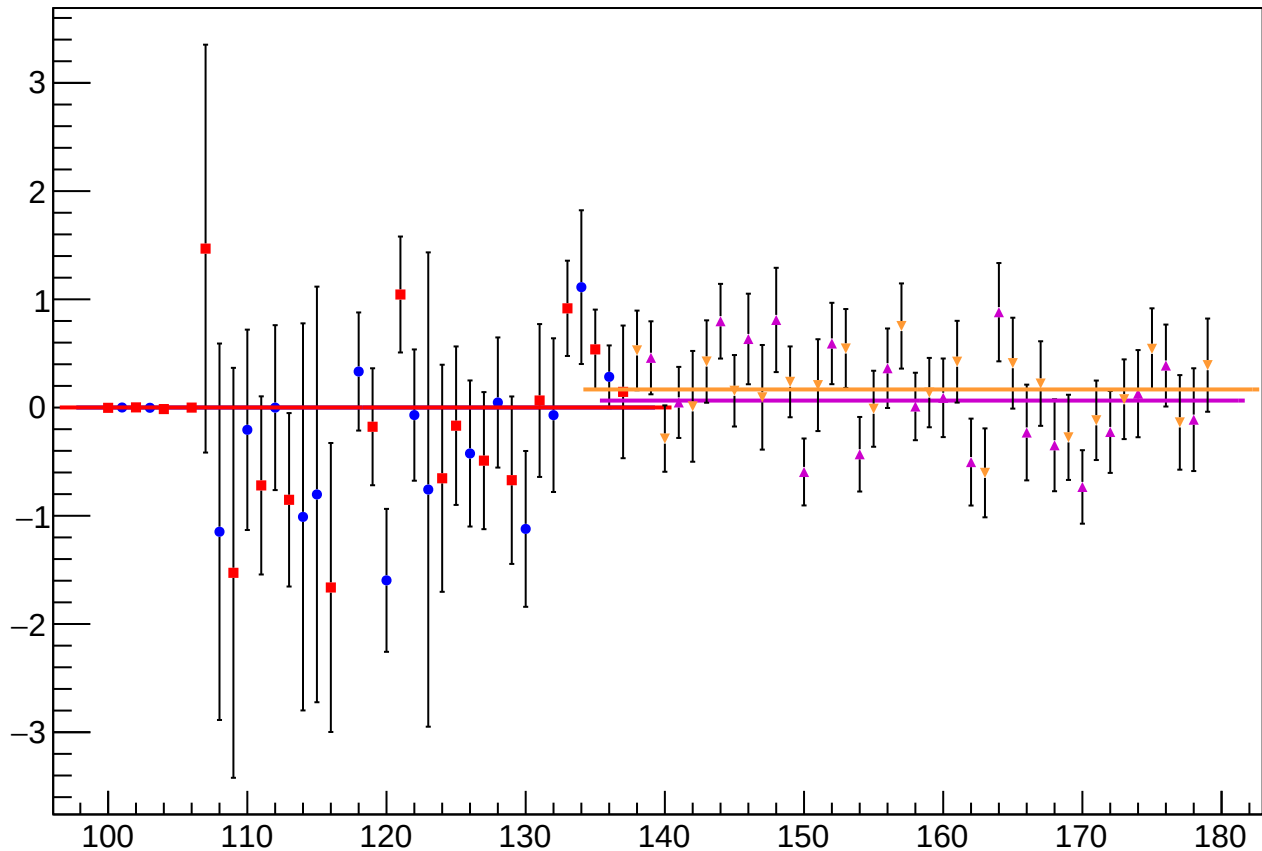
Left In: 4161.834 ± 0.754 χ^2/NDF : 315049.8/19

+ sign 19.043 ± 0.015 χ^2/NDF : 43243680.1/38

All: 18.859 ± 0.010 χ^2/NDF : 84574126.3/77

- sign 18.693 ± 0.014 χ^2/NDF : 41330149.8/38

diff_cav4dY_mean vs Slug



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

Left Out: 0.167 ± 0.081 χ^2/NDF : 15.4/21

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

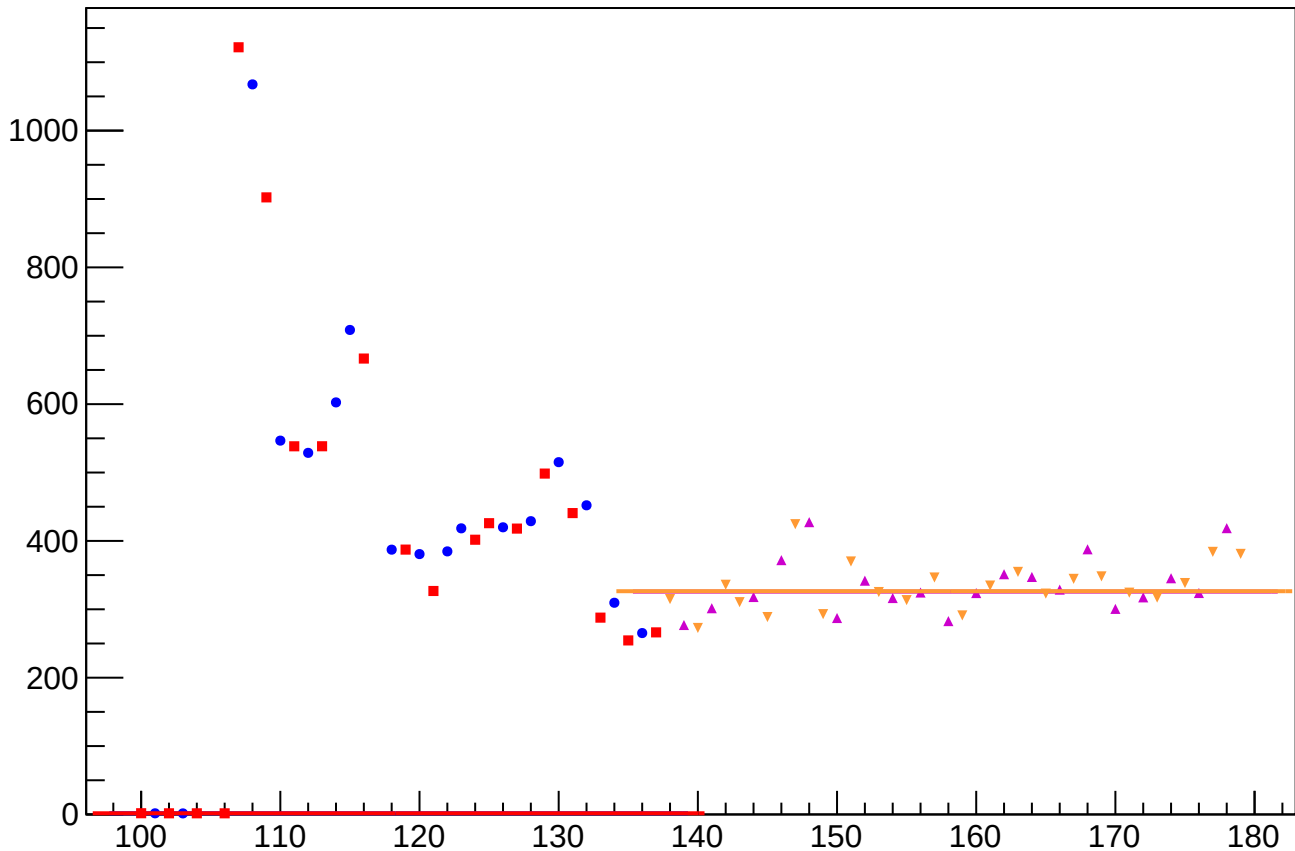
Left In: 0.064 ± 0.084 χ^2/NDF : 33.0/19

+ sign 0.000 ± 0.002 χ^2/NDF : 33.4/38

All: 0.001 ± 0.001 χ^2/NDF : 85.0/77

- sign 0.001 ± 0.002 χ^2/NDF : 51.5/38

diff_cav4dY_rms vs Slug



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

Left Out: 326.461 $\pm$ 0.057 χ^2 /NDF: 341400.7/21

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

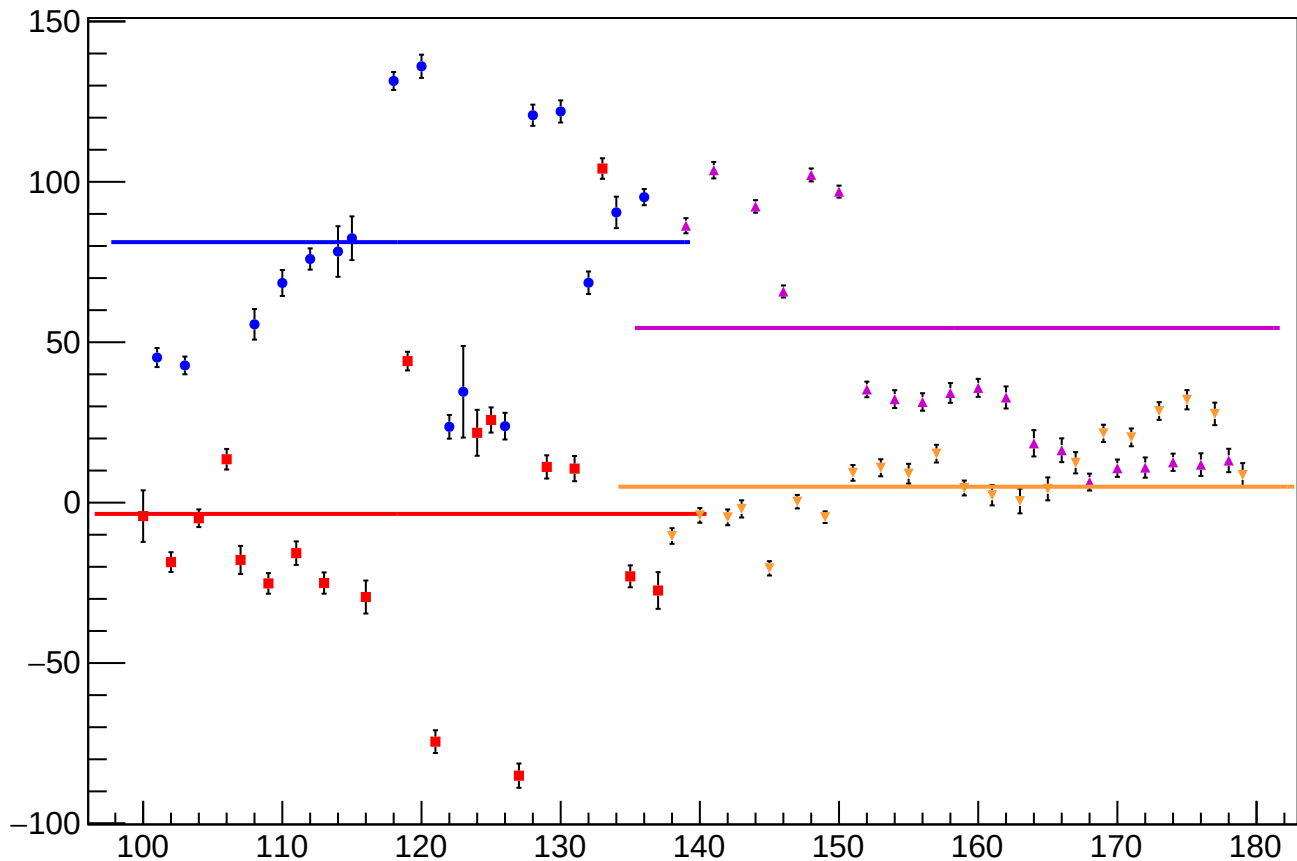
Left In: 325.876 $\pm$ 0.059 χ^2 /NDF: 389841.4/19

+ sign 1.903 $\pm$ 0.001 χ^2 /NDF: 43661769.6/38

All: 1.903 $\pm$ 0.001 χ^2 /NDF: 84758046.5/77

- sign 1.902 $\pm$ 0.001 χ^2 /NDF: 41096276.7/38

diff_bpm0i01X_mean vs Slug



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

Left Out: 4.965 $\pm$ 0.566 χ^2 /NDF: 535.6/21

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

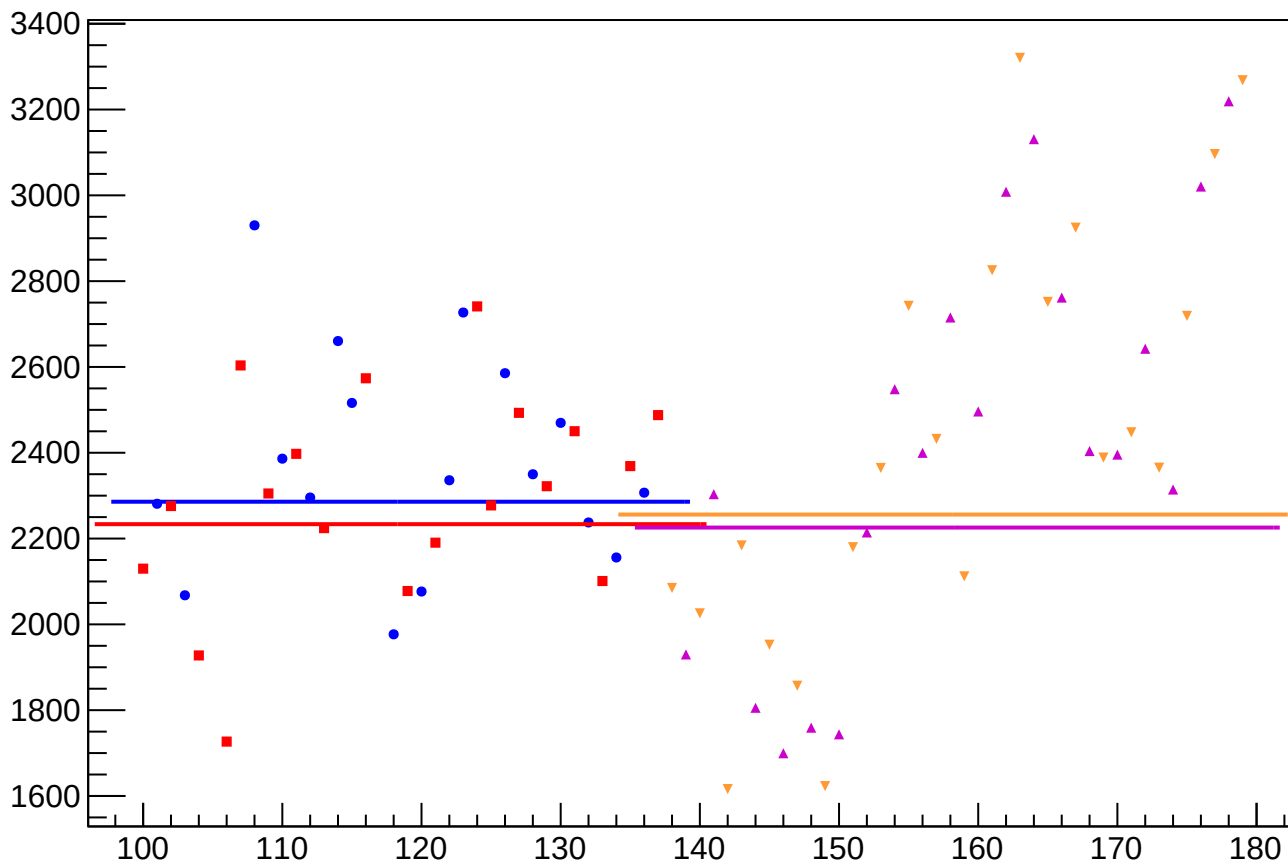
Left In: 54.450 $\pm$ 0.582 χ^2 /NDF: 3834.4/19

+ sign 27.070 $\pm$ 0.477 χ^2 /NDF: 7506.0/38

All: 31.393 $\pm$ 0.338 χ^2 /NDF: 17309.6/77

- sign 35.747 $\pm$ 0.479 χ^2 /NDF: 9638.7/38

diff_bpm0i01X_rms vs Slug



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

Left Out: 2255.964+/-0.400 χ^2/NDF : 1255946.0/21

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

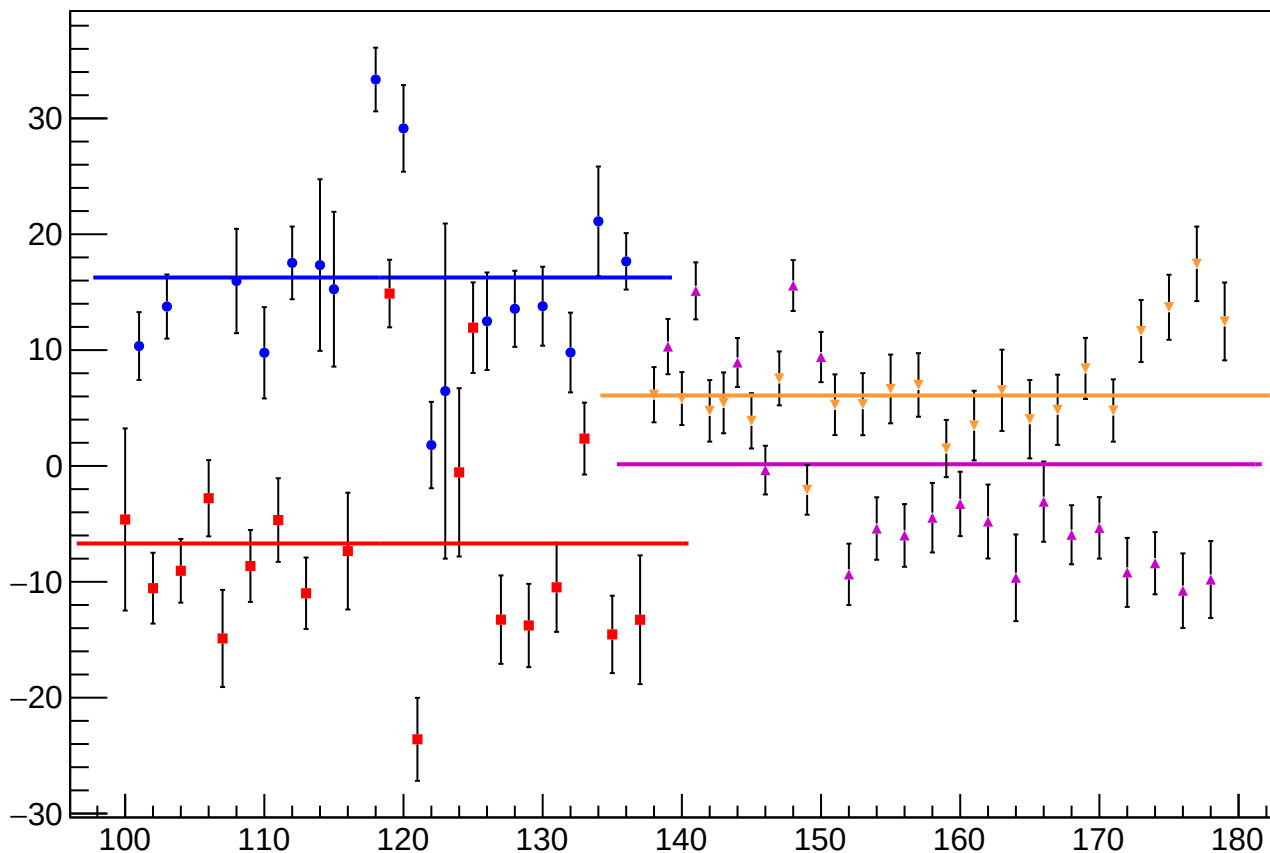
Left In: 2225.639+/-0.411 χ^2/NDF : 1170541.3/19

+ sign 2264.631+/-0.337 χ^2/NDF : 1366899.9/38

All: 2246.475+/-0.239 χ^2/NDF : 2690226.7/77

- sign 2228.191+/-0.338 χ^2/NDF : 1317509.2/38

diff_bpm0i01Y_mean vs Slug



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

Left Out: 6.085 ± 0.573 χ^2/NDF : 49.9/21

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

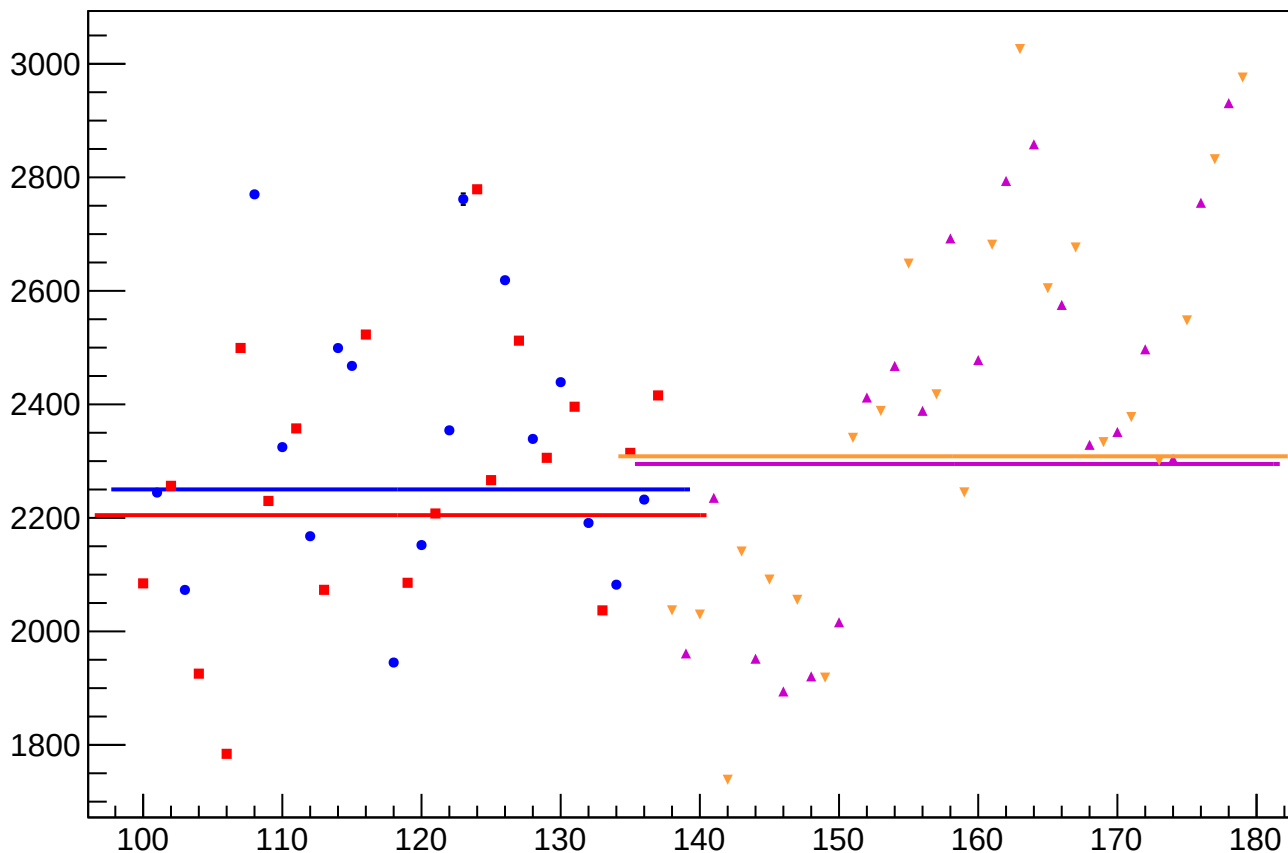
Left In: 0.148 ± 0.592 χ^2/NDF : 226.6/19

+ sign 9.154 ± 0.479 χ^2/NDF : 226.0/38

All: 3.541 ± 0.340 χ^2/NDF : 908.7/77

- sign -2.154 ± 0.482 χ^2/NDF : 405.5/38

diff_bpm0i01Y_rms vs Slug



Right In: 2250.175 $\pm$ 0.616 χ^2 /NDF: 97578.1/16

Left Out: 2308.528 $\pm$ 0.405 χ^2 /NDF: 602525.5/21

Right Out: 2204.789 $\pm$ 0.587 χ^2 /NDF: 126227.4/18

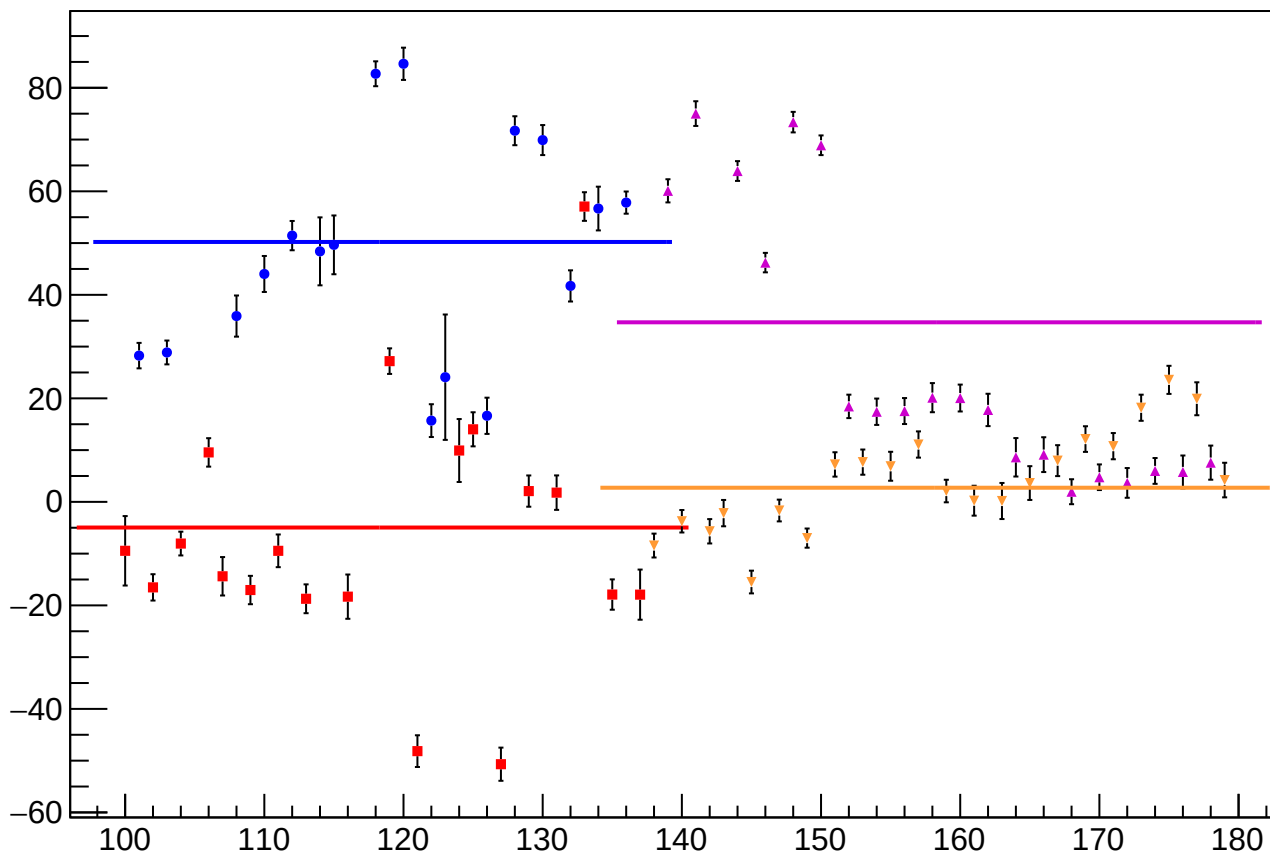
Left In: 2294.990 $\pm$ 0.418 χ^2 /NDF: 547405.7/19

+ sign 2290.936 $\pm$ 0.338 χ^2 /NDF: 706366.7/38

All: 2277.878 $\pm$ 0.240 χ^2 /NDF: 1398642.6/77

- sign 2264.631 $\pm$ 0.341 χ^2 /NDF: 689275.6/38

diff_bpm0i01aX_mean vs Slug



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

Left Out: 2.732 $\pm$ 0.534 χ^2 /NDF: 325.4/21

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

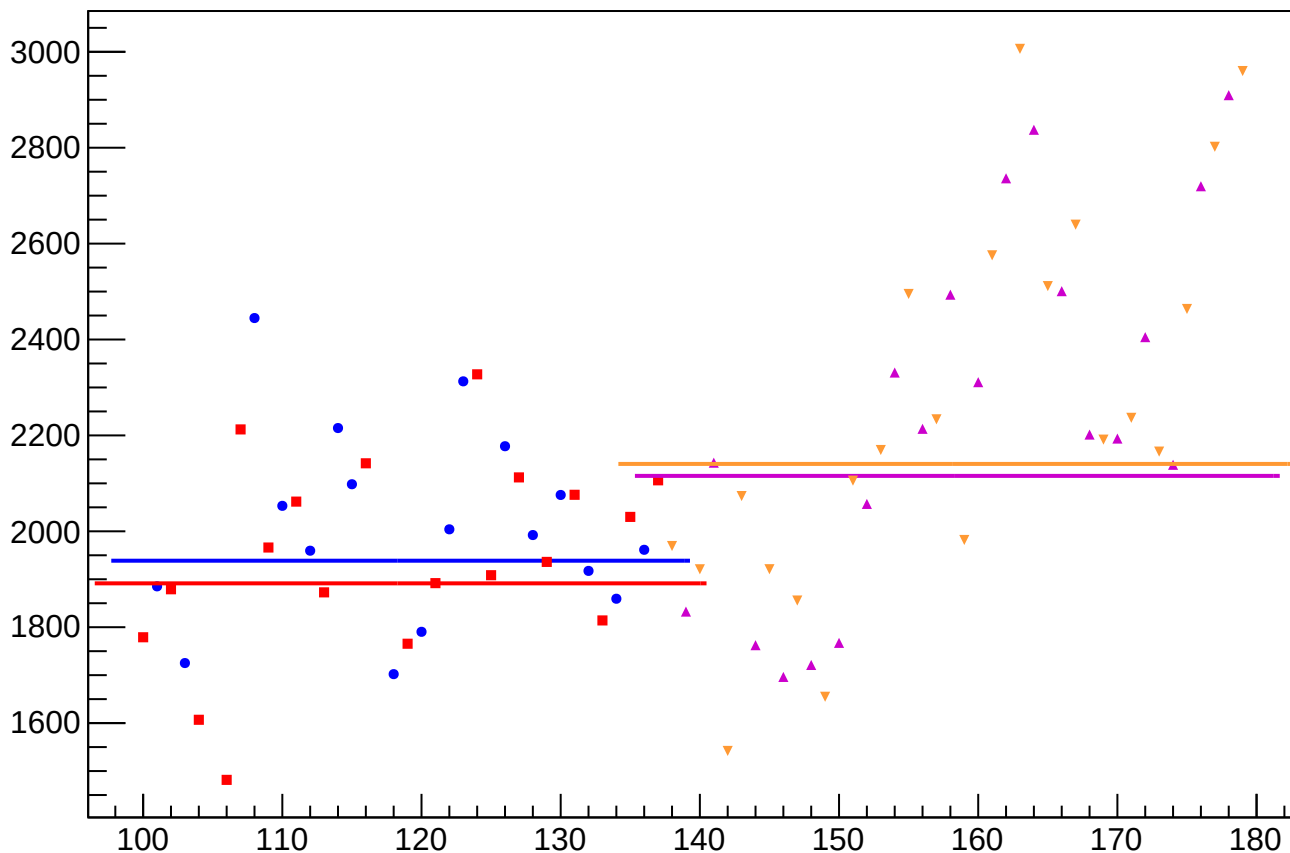
Left In: 34.691 $\pm$ 0.549 χ^2 /NDF: 2458.7/19

+ sign 18.669 $\pm$ 0.435 χ^2 /NDF: 3813.1/38

All: 19.304 $\pm$ 0.308 χ^2 /NDF: 9478.3/77

- sign 19.940 $\pm$ 0.435 χ^2 /NDF: 5660.9/38

diff_bpm0i01aX_rms vs Slug



Right In: 1938.688 $\pm$ 0.531 χ^2 /NDF: 100143.1/16

Left Out: 2140.533 $\pm$ 0.377 χ^2 /NDF: 891816.1/21

Right Out: 1891.466 $\pm$ 0.504 χ^2 /NDF: 146622.8/18

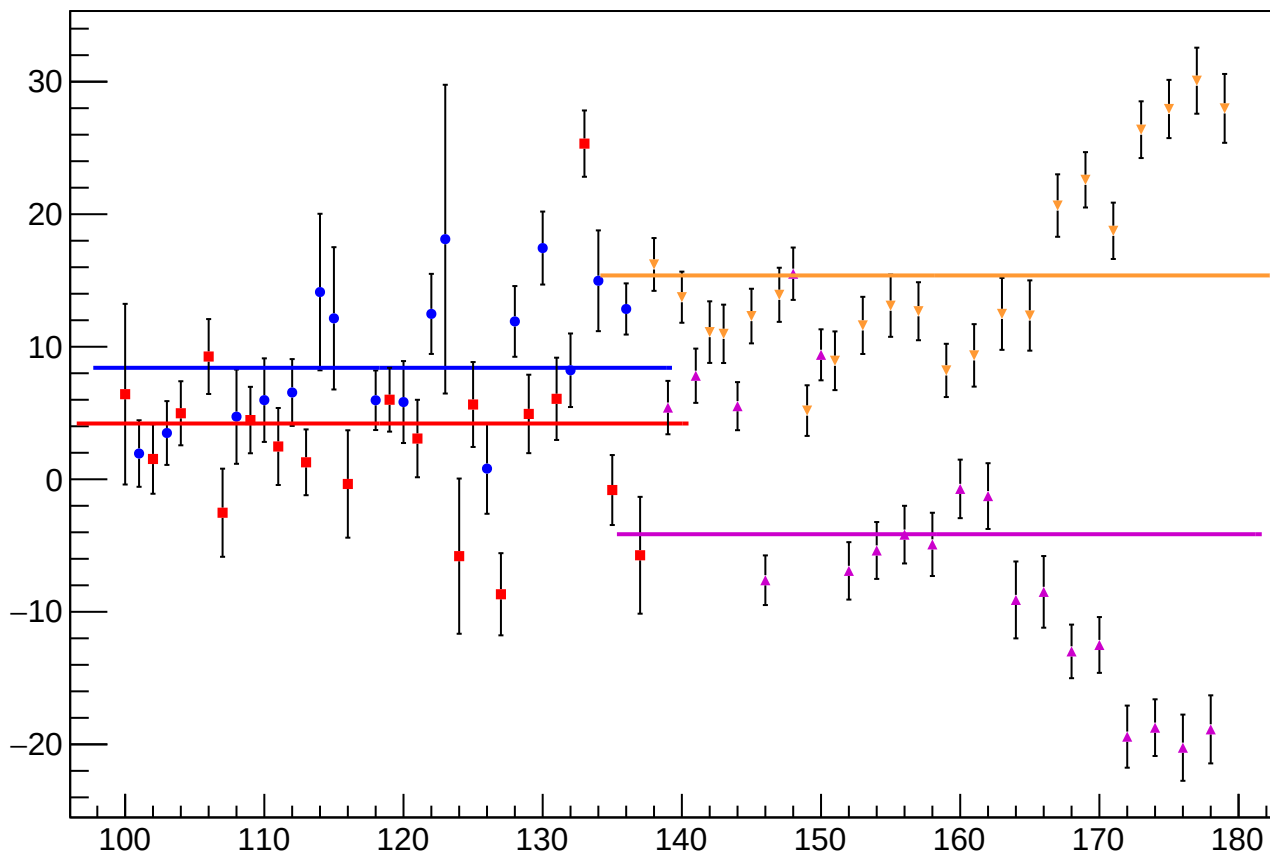
Left In: 2115.590 $\pm$ 0.388 χ^2 /NDF: 806100.3/19

+ sign 2072.788 $\pm$ 0.308 χ^2 /NDF: 1087998.2/38

All: 2052.506 $\pm$ 0.218 χ^2 /NDF: 2173375.7/77

- sign 2032.204 $\pm$ 0.308 χ^2 /NDF: 1076675.3/38

diff_bpm0i01aY_mean vs Slug



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

Left Out: 15.380 ± 0.469 χ^2/NDF : 212.0/21

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

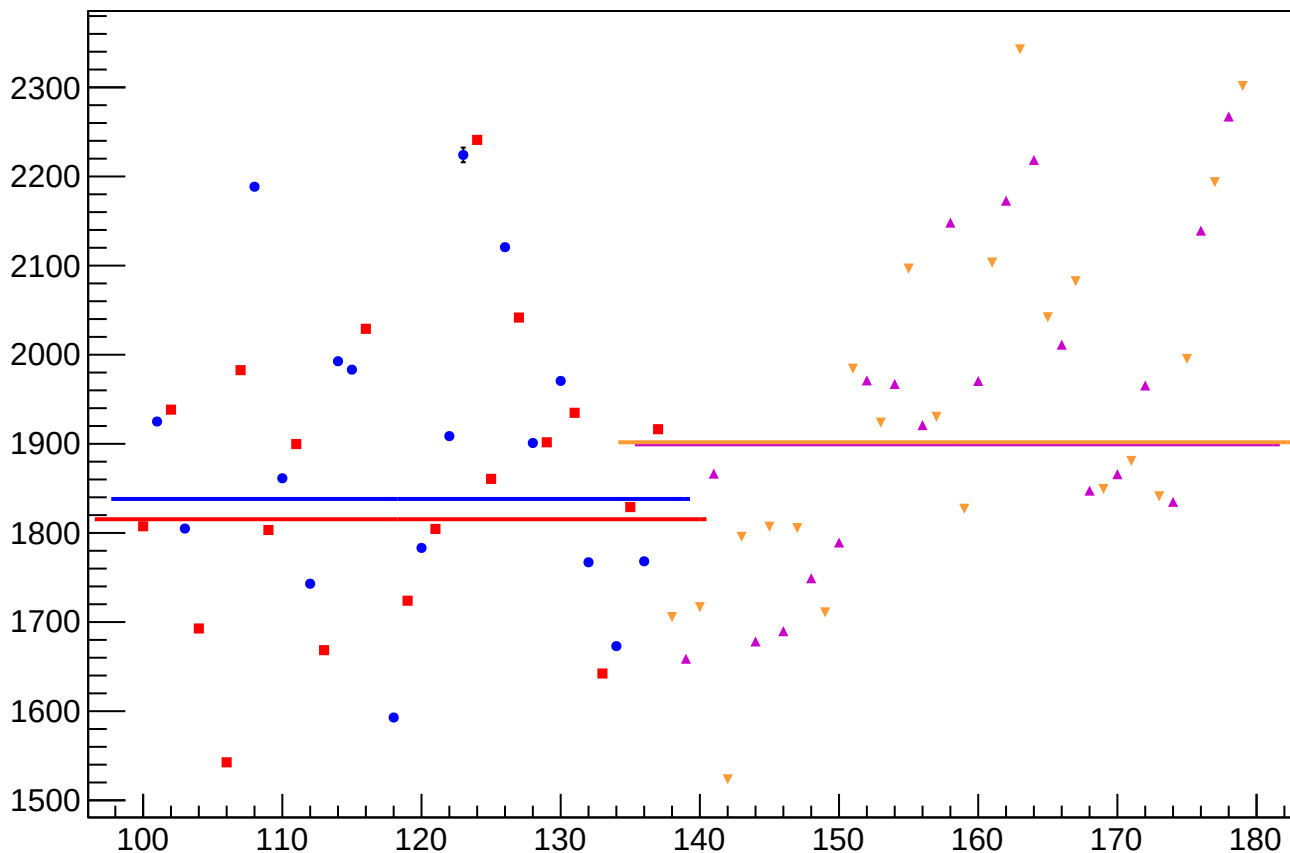
Left In: -4.145 ± 0.487 χ^2/NDF : 446.6/19

+ sign 13.267 ± 0.392 χ^2/NDF : 323.5/38

All: 6.052 ± 0.279 χ^2/NDF : 1668.9/77

- sign -1.329 ± 0.396 χ^2/NDF : 659.0/38

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1901.736 $\pm$ 0.332 χ^2 /NDF:310182.1/21

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

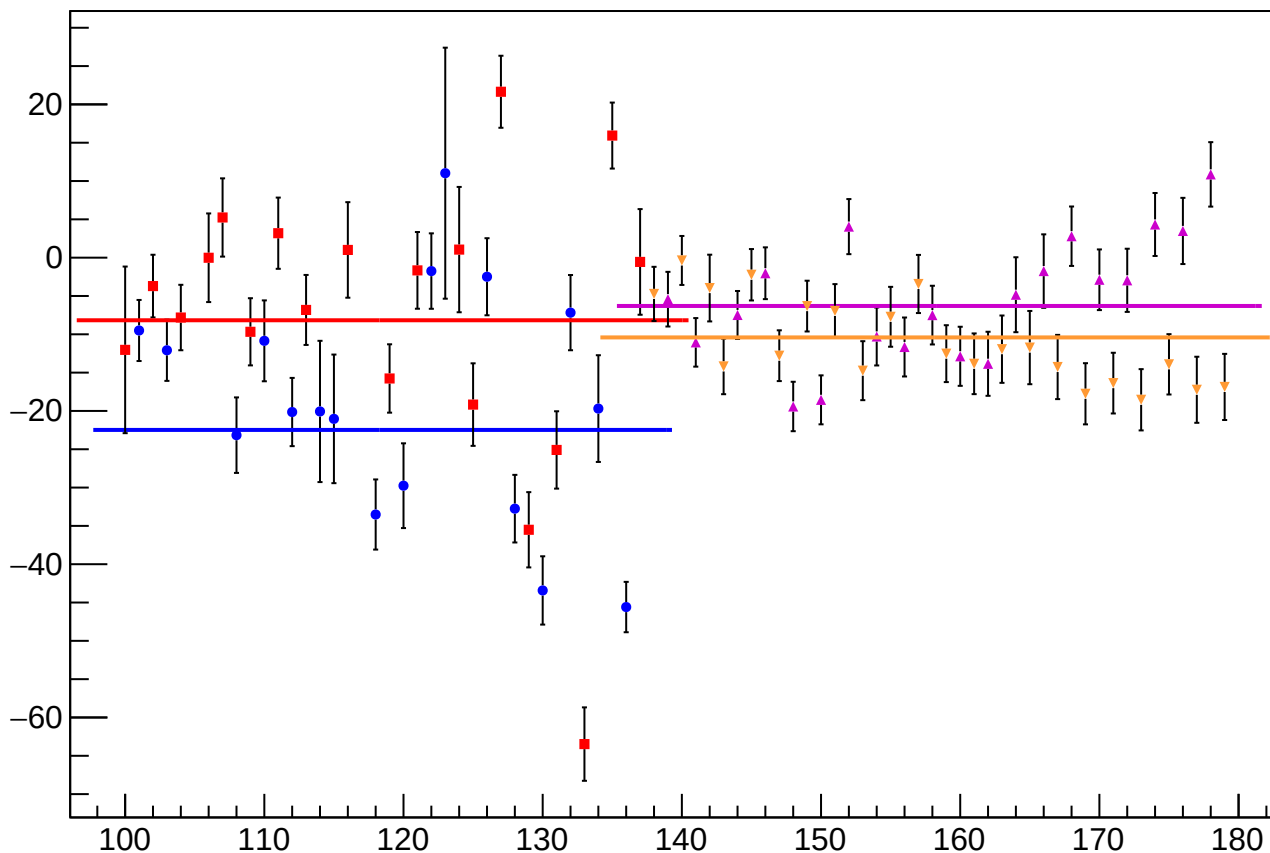
Left In: 1899.456 $\pm$ 0.344 χ^2 /NDF:246734.9/19

+ sign 1882.449 $\pm$ 0.277 χ^2 /NDF: 404200.7/38

All: 1876.851 $\pm$ 0.197 χ^2 /NDF: 759296.5/77

- sign 1871.124 $\pm$ 0.280 χ^2 /NDF: 354269.2/38

diff_bpm0l01X_mean vs Slug



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

Left Out: -10.407 ± 0.813 χ^2/NDF : 47.3/21

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

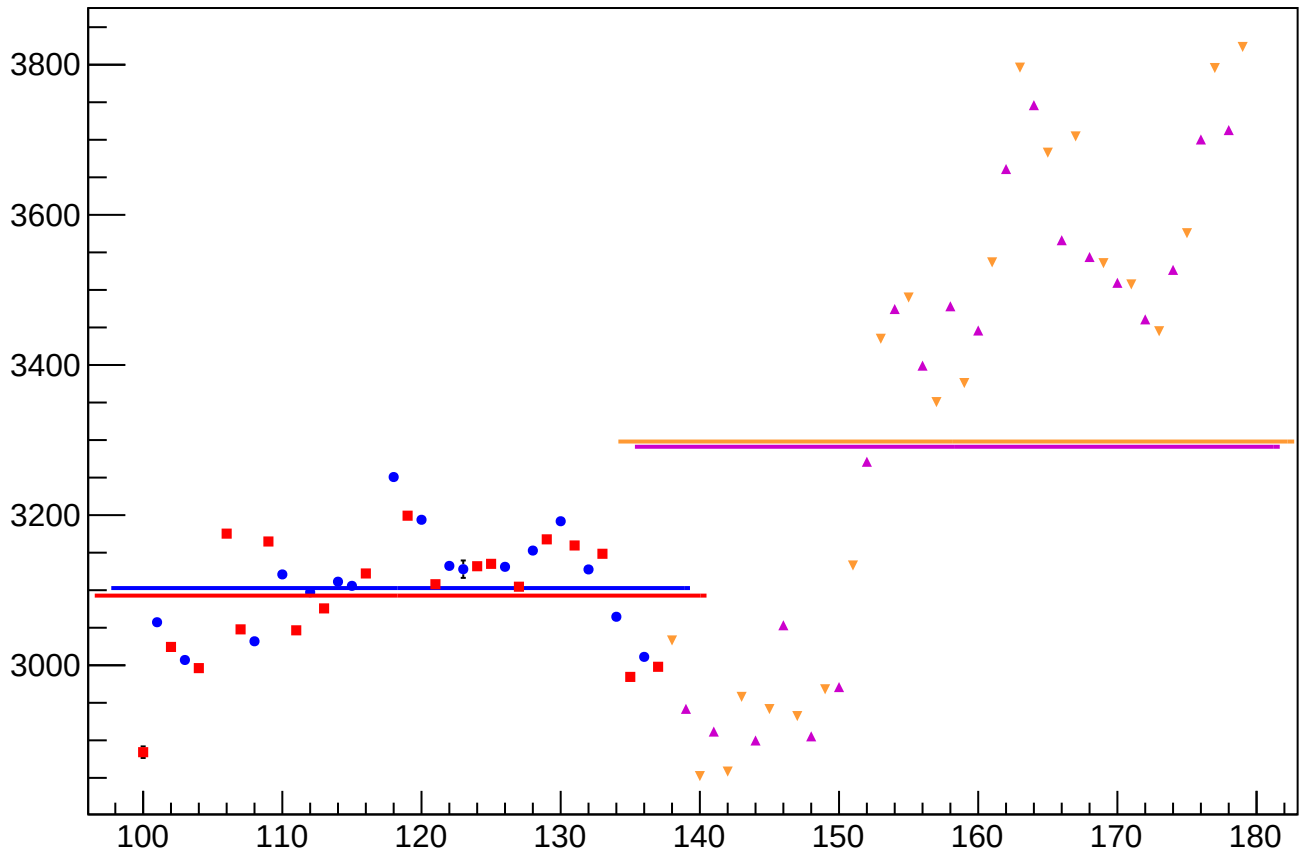
Left In: -6.302 ± 0.841 χ^2/NDF : 89.3/19

+ sign -14.229 ± 0.672 χ^2/NDF : 271.8/38

All: -10.631 ± 0.478 χ^2/NDF : 697.6/77

- sign -6.948 ± 0.680 χ^2/NDF : 367.9/38

diff_bpm0l01X_rms vs Slug



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

Left Out: 3298.040 $\pm$ 0.575 χ^2 /NDF:314384.1/21

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

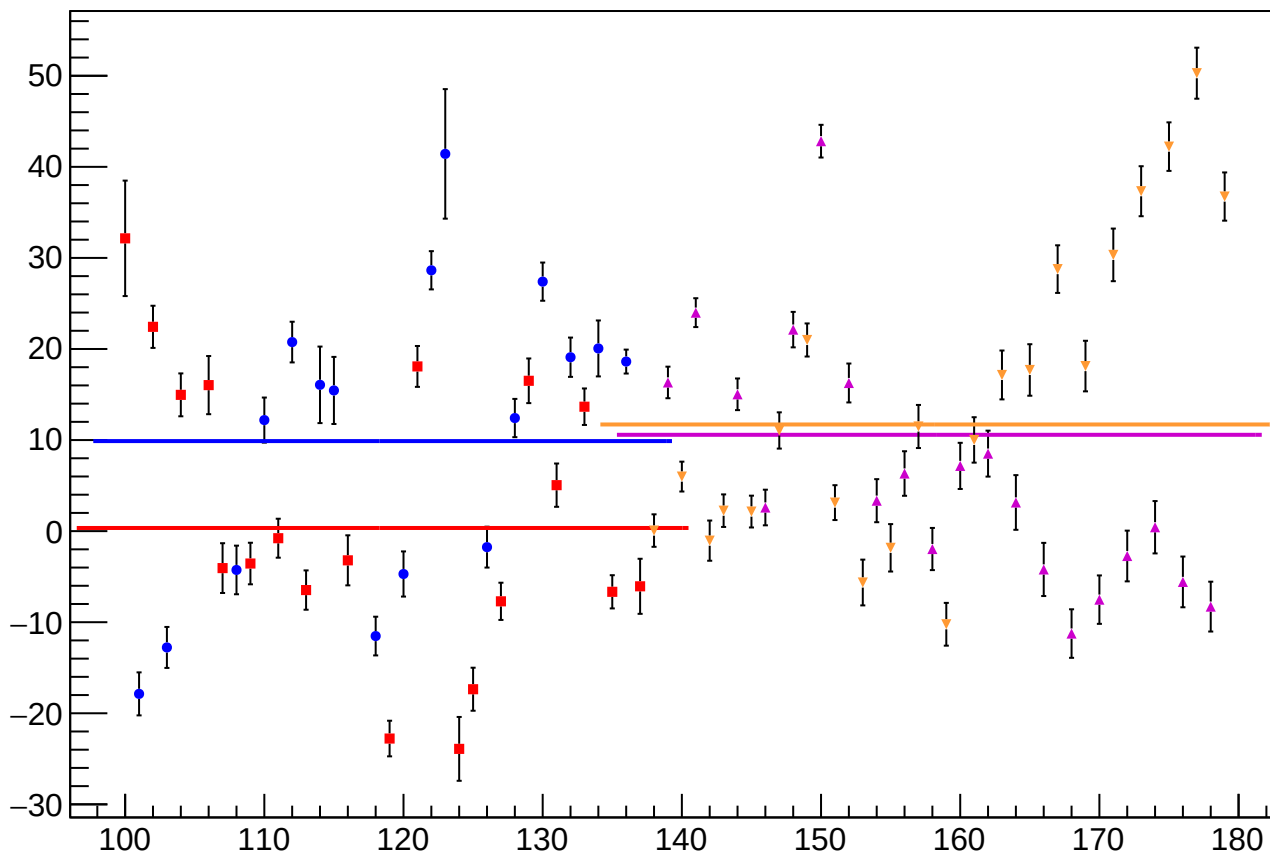
Left In: 3291.080 $\pm$ 0.595 χ^2 /NDF:254282.7/19

+ sign 3236.239 $\pm$ 0.475 χ^2 /NDF: 358212.0/38

All: 3229.444 $\pm$ 0.338 χ^2 /NDF: 659124.2/77

- sign 3222.487 $\pm$ 0.481 χ^2 /NDF: 300498.7/38

diff_bpm0l01Y_mean vs Slug



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

Left Out: 11.711 ± 0.477 χ^2/NDF : 950.0/21

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

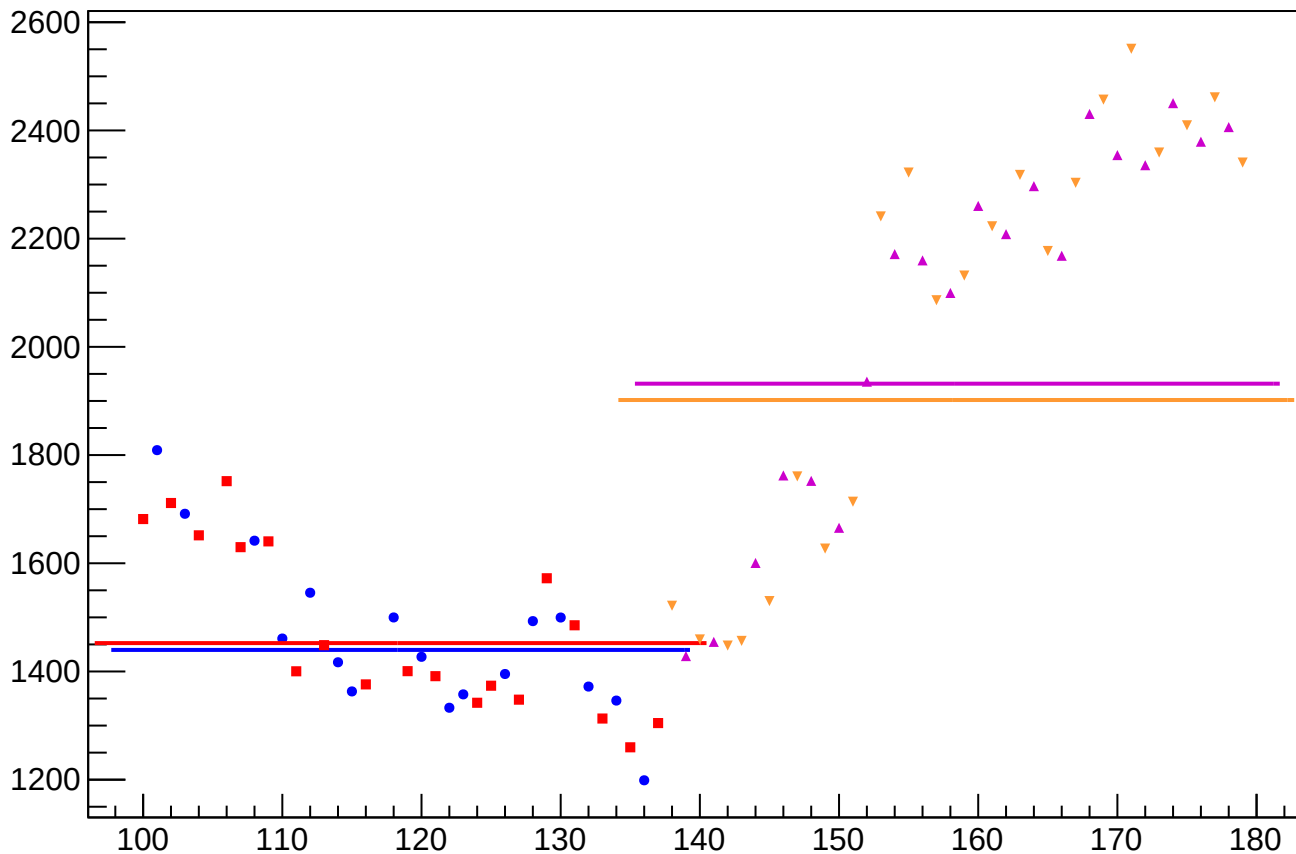
Left In: 10.577 ± 0.501 χ^2/NDF : 776.5/19

+ sign 10.943 ± 0.363 χ^2/NDF : 1659.8/38

All: 8.470 ± 0.259 χ^2/NDF : 3349.9/77

- sign 5.909 ± 0.369 χ^2/NDF : 1595.7/38

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1901.746 $\pm$ 0.337 χ^2 /NDF:1321971.6/21

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

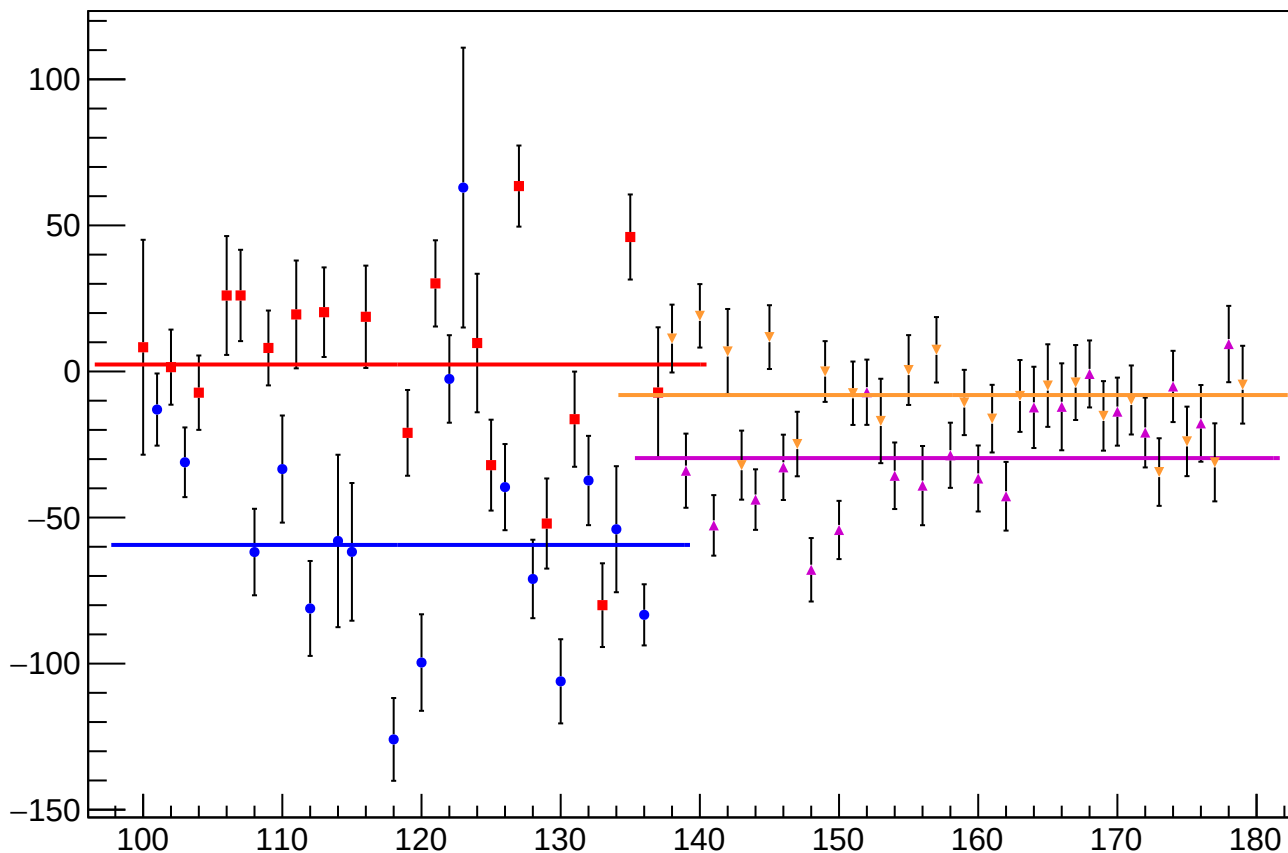
Left In: 1931.926 $\pm$ 0.354 χ^2 /NDF:986951.9/19

+ sign 1707.204 $\pm$ 0.257 χ^2 /NDF: 2283928.2/38

All: 1710.133 $\pm$ 0.183 χ^2 /NDF: 4245601.1/77

- sign 1713.165 $\pm$ 0.261 χ^2 /NDF: 1961408.1/38

diff_bpm0l02X_mean vs Slug



Right In: -59.374 ± 3.729 $\chi^2/\text{NDF}: 92.9/16$

Left Out: -8.069 ± 2.540 $\chi^2/\text{NDF}: 34.3/21$

Right Out: 2.388 ± 3.630 $\chi^2/\text{NDF}: 93.9/18$

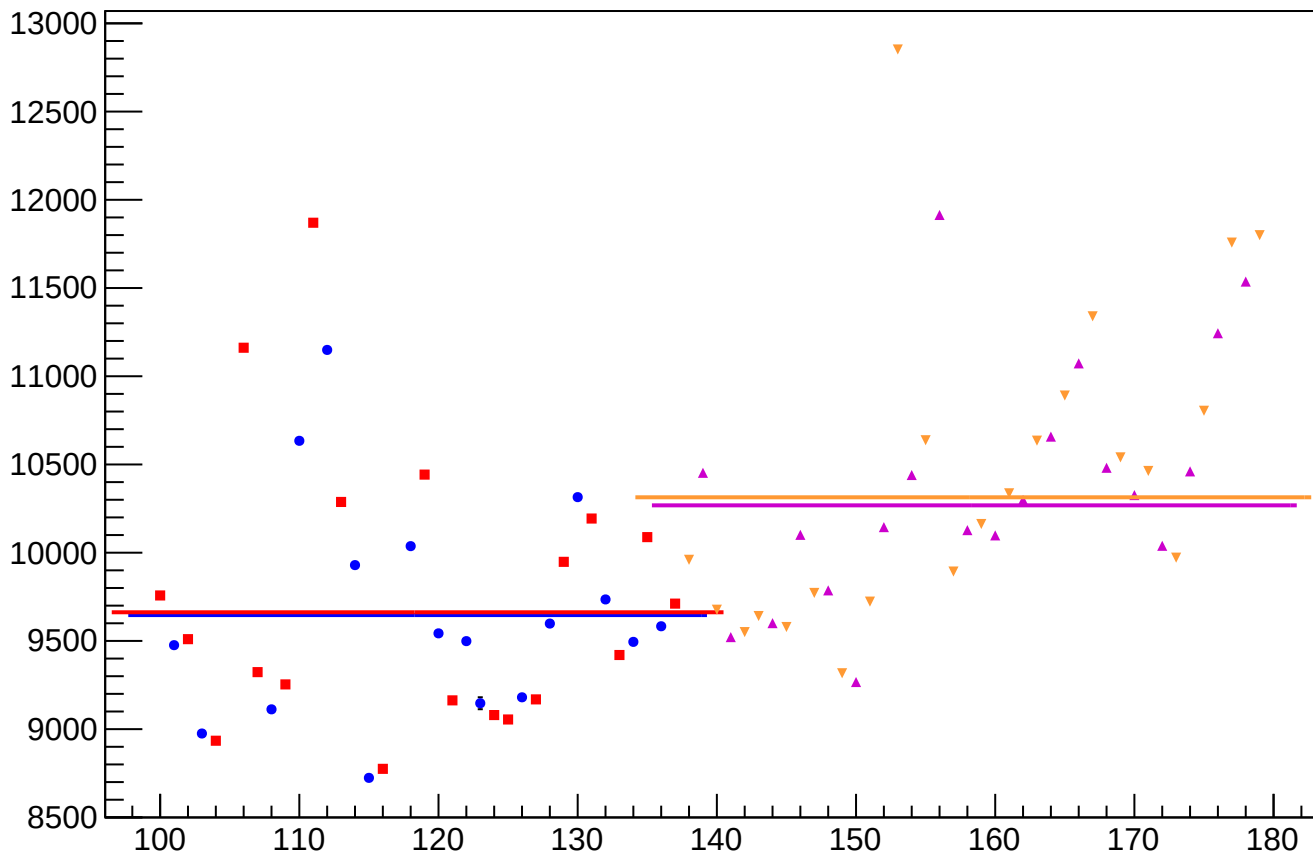
Left In: -29.649 ± 2.620 $\chi^2/\text{NDF}: 57.4/19$

+ sign -24.327 ± 2.099 $\chi^2/\text{NDF}: 256.5/38$

All: -21.535 ± 1.493 $\chi^2/\text{NDF}: 462.7/77$

- sign -18.676 ± 2.124 $\chi^2/\text{NDF}: 202.6/38$

diff_bpm0l02X_rms vs Slug



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

Left Out: 10313.977 $\pm$ 1.796 χ^2 /NDF:197253.5/21

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

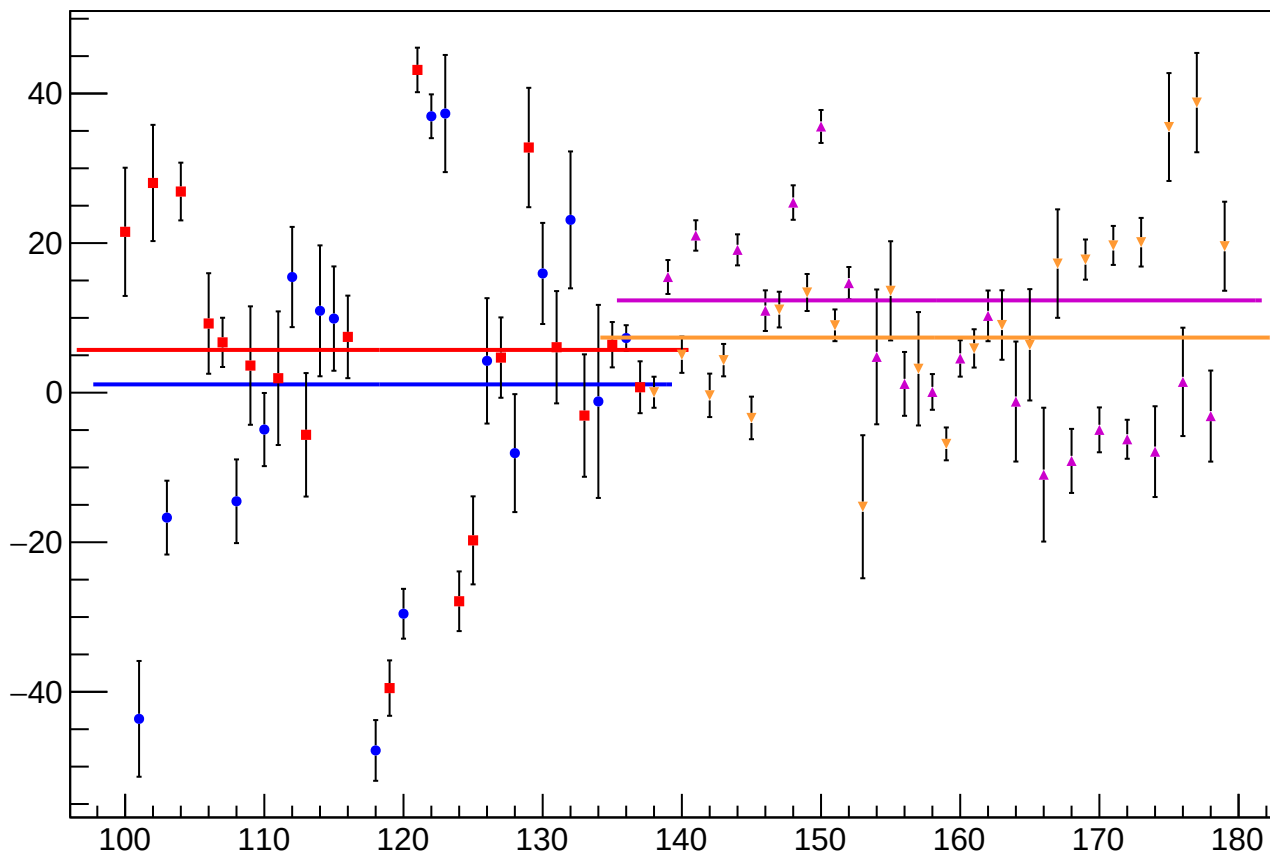
Left In: 10268.336 $\pm$ 1.852 χ^2 /NDF:113913.1/19

+ sign 10102.454 $\pm$ 1.484 χ^2 /NDF: 285093.8/38

All: 10081.867 $\pm$ 1.056 χ^2 /NDF: 513631.5/77

- sign 10060.782 $\pm$ 1.502 χ^2 /NDF: 228148.3/38

diff_bpm0l02Y_mean vs Slug



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

Left Out: 7.368 ± 0.651 χ^2/NDF : 191.2/21

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

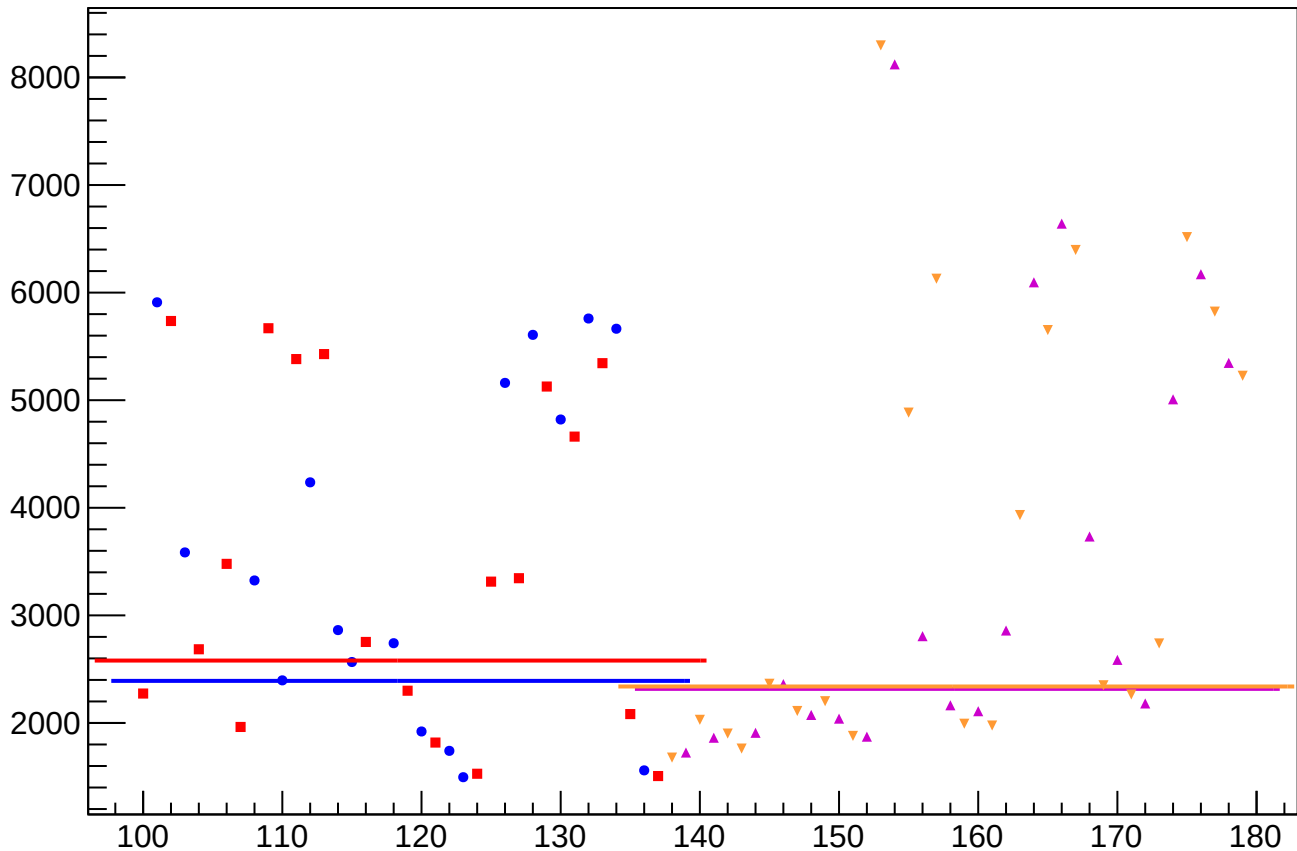
Left In: 12.338 ± 0.656 χ^2/NDF : 358.8/19

+ sign 5.670 ± 0.555 χ^2/NDF : 706.0/38

All: 8.097 ± 0.395 χ^2/NDF : 1586.4/77

- sign 10.581 ± 0.562 χ^2/NDF : 841.8/38

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2338.985 $\pm$ 0.460 χ^2 /NDF: 5182668.1/21

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

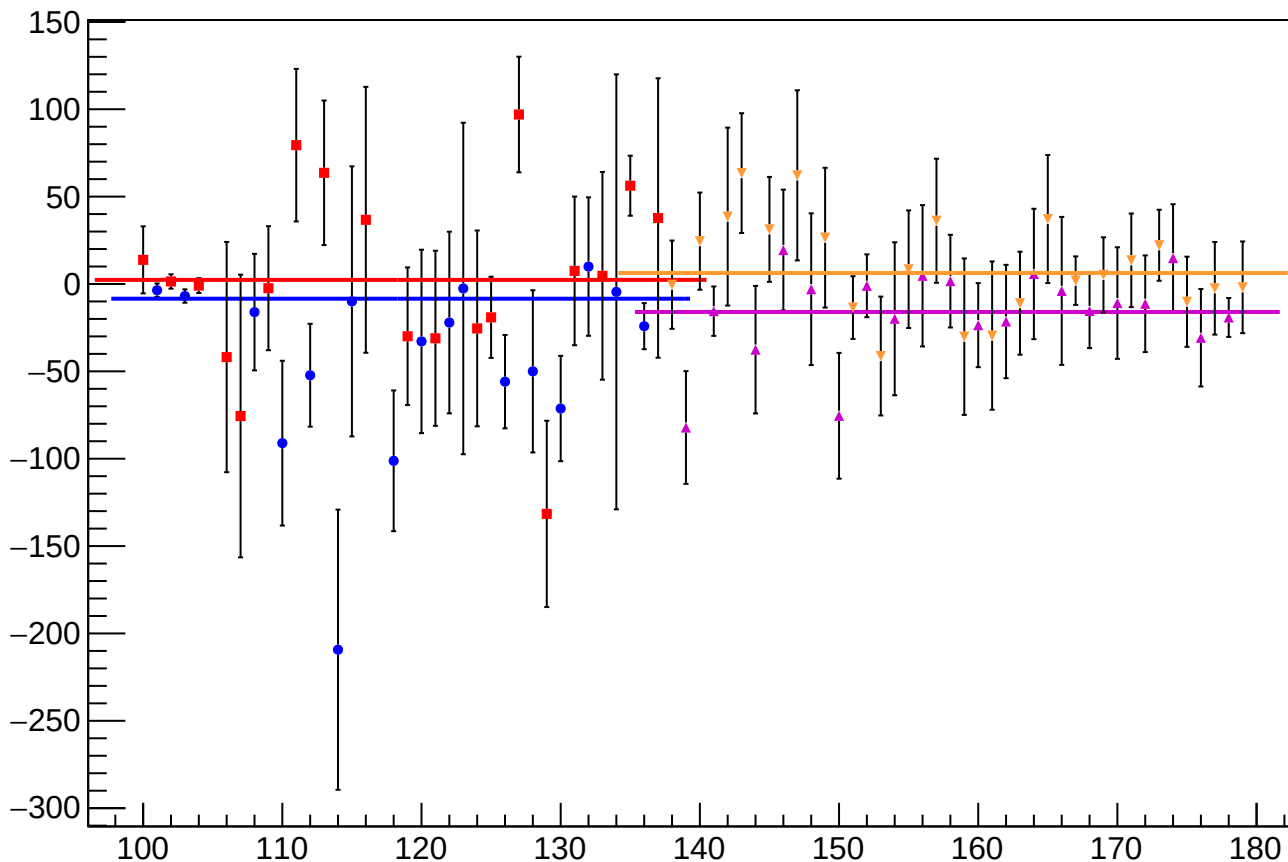
Left In: 2316.939 $\pm$ 0.464 χ^2 /NDF: 3987854.9/19

+ sign 2353.136 $\pm$ 0.393 χ^2 /NDF: 7786704.3/38

All: 2369.736 $\pm$ 0.279 χ^2 /NDF: 14228886.6/7

- sign 2386.733 $\pm$ 0.397 χ^2 /NDF: 6438565.9/38

diff_bpm0l03X_mean vs Slug



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

Left Out: 6.304 ± 5.736 χ^2/NDF : 13.7/21

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

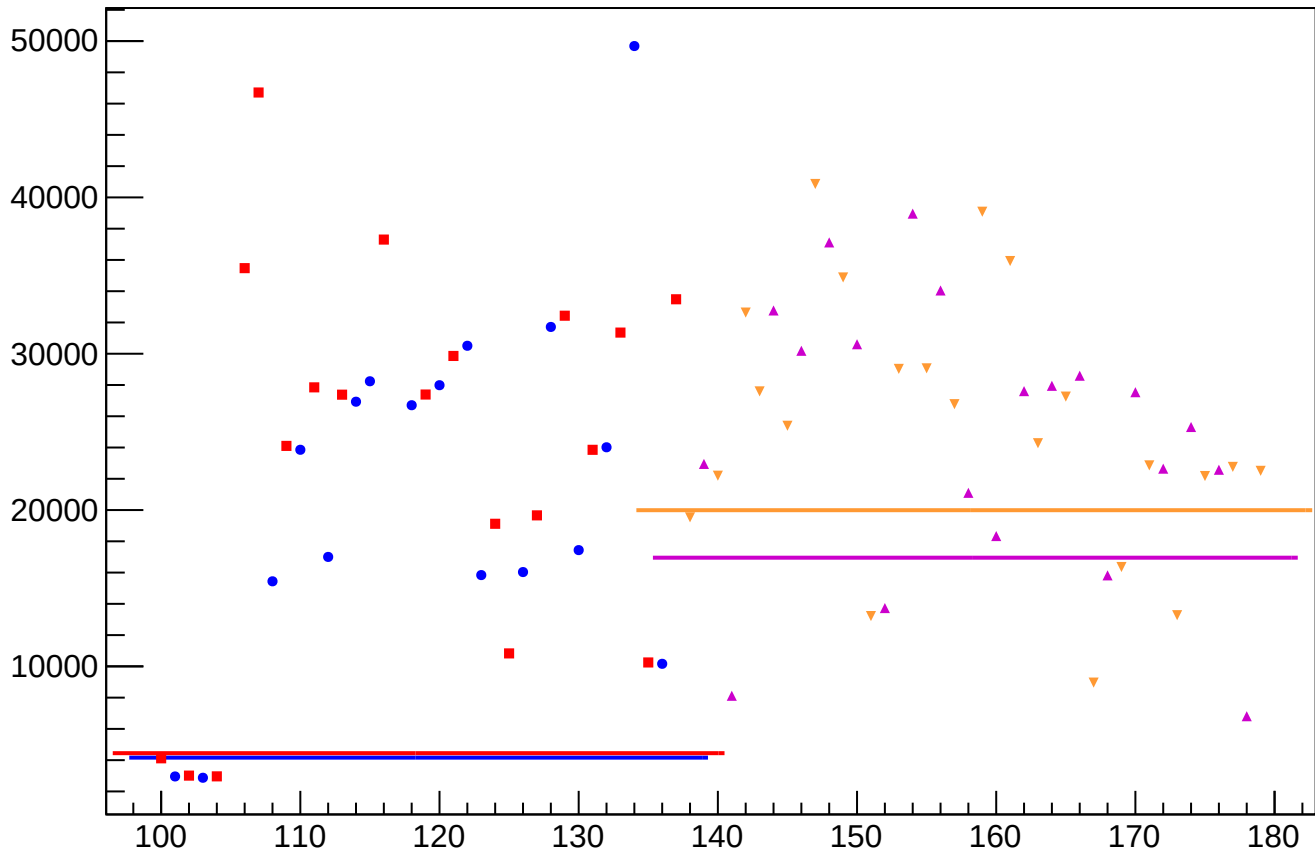
Left In: -16.023 ± 5.474 χ^2/NDF : 11.8/19

+ sign -5.939 ± 2.359 χ^2/NDF : 48.0/38

All: -3.802 ± 1.710 χ^2/NDF : 105.2/77

- sign -1.433 ± 2.484 χ^2/NDF : 55.4/38

diff_bpm0l03X_rms vs Slug



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

Left Out: 19990.555+/-4.056 χ^2/NDF : 3971834.6/21

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

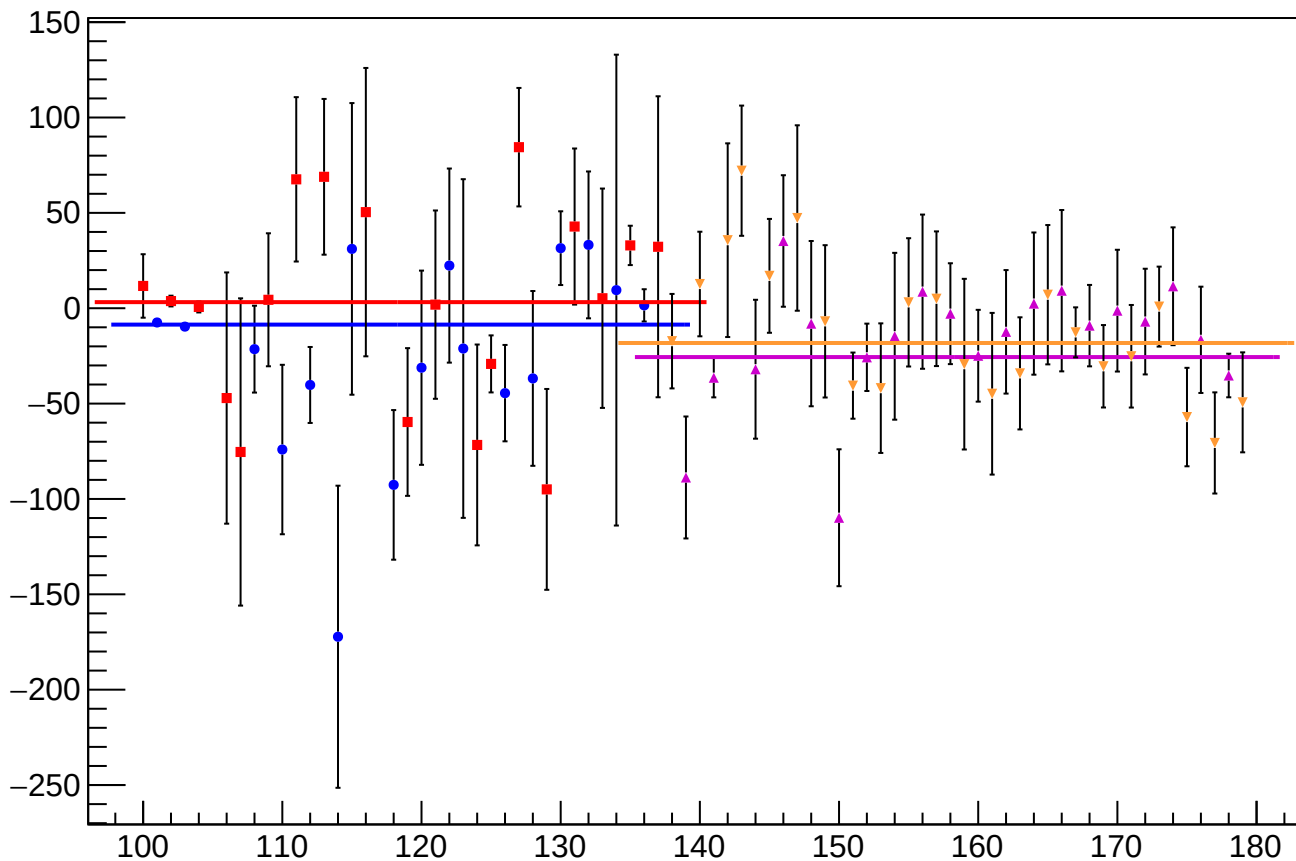
Left In: 16952.272+/-3.871 χ^2/NDF : 5961335.5/19

+ sign 6838.711+/-1.668 χ^2/NDF : 22617350.2/38

All: 6925.064+/-1.209 χ^2/NDF : 44299352.8/7

- sign 7020.814+/-1.756 χ^2/NDF : 21676348.8/38

diff_bpm0l03Y_mean vs Slug



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

Left Out: -18.219 ± 5.660 χ^2/NDF : 25.9/21

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

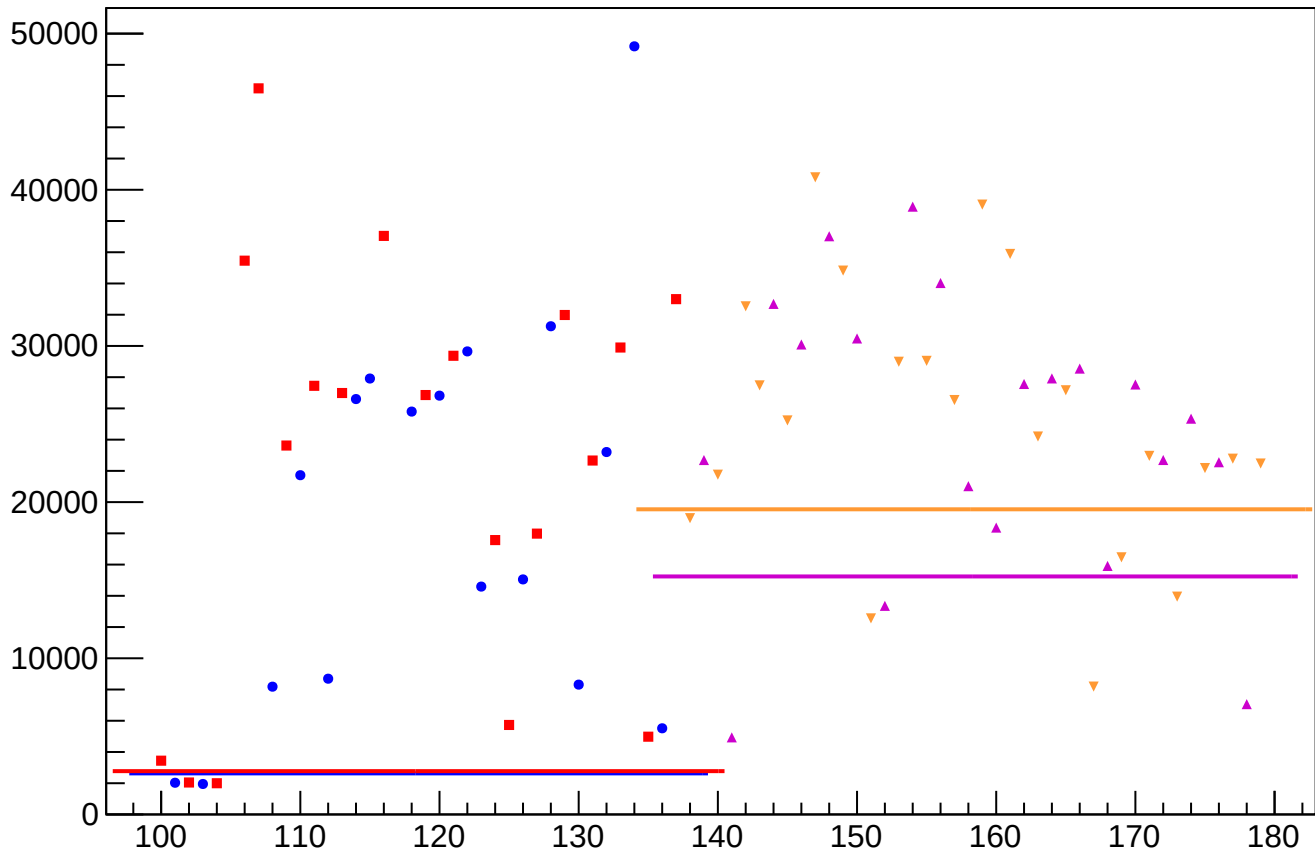
Left In: -25.607 ± 5.165 χ^2/NDF : 20.6/19

+ sign -9.451 ± 1.696 χ^2/NDF : 52.9/38

All: -5.156 ± 1.235 χ^2/NDF : 151.4/77

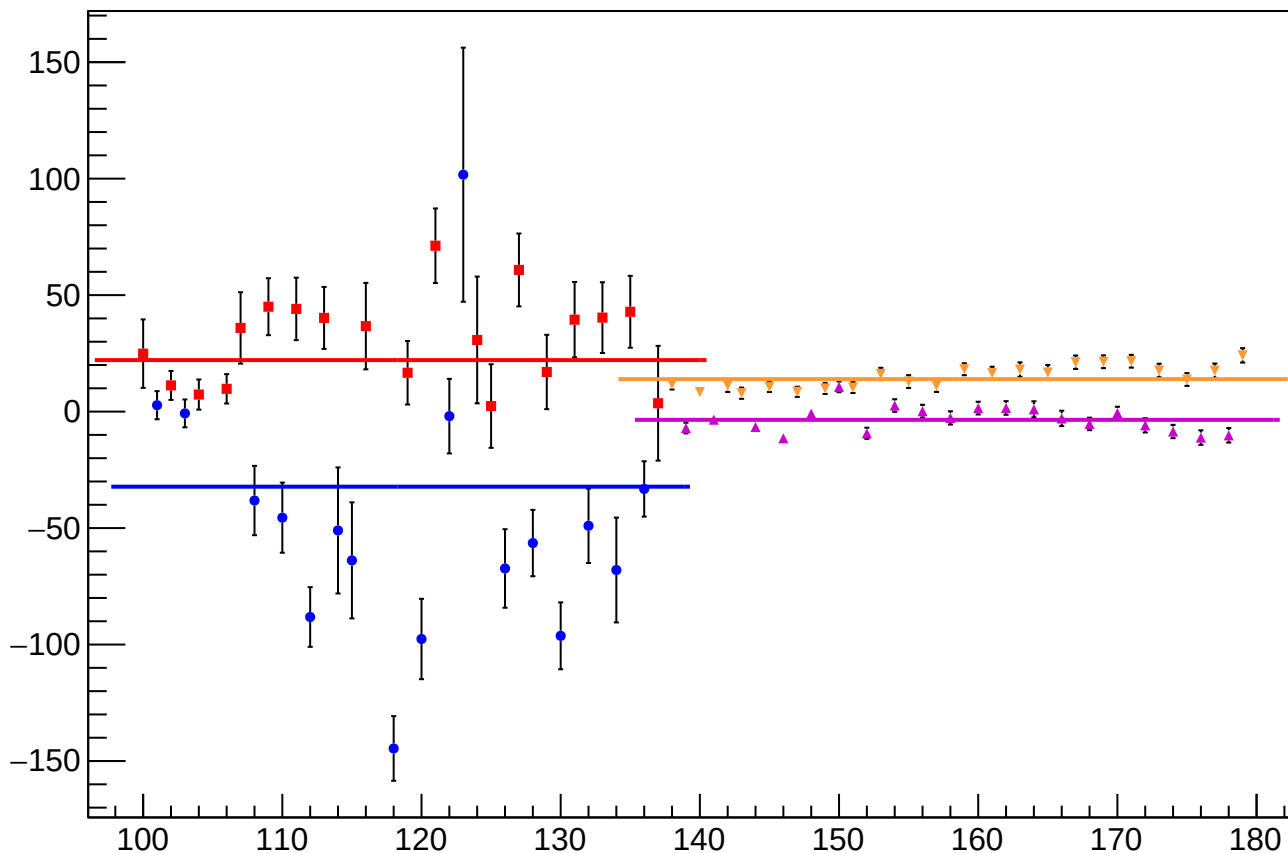
- sign -0.310 ± 1.802 χ^2/NDF : 84.8/38

diff_bpm0l03Y_rms vs Slug



Right In: 2630.547+/-1.257	χ^2/NDF : 5588981.6/16	+ sign 4148.964+/-1.199	χ^2/NDF : 26161750.8/38
Left Out: 19539.706+/-4.002	χ^2/NDF : 4324749.6/21	All: 4215.301+/-0.873	χ^2/NDF : 51749143.8/7
Right Out: 2773.446+/-1.359	χ^2/NDF : 7835878.7/18	- sign 4290.145+/-1.274	χ^2/NDF : 25580881.4/38
Left In: 15240.518+/-3.652	χ^2/NDF : 7510188.6/19		

diff_bpm0l04X_mean vs Slug



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

Left Out: 13.940 ± 0.557 χ^2/NDF : 71.7/21

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

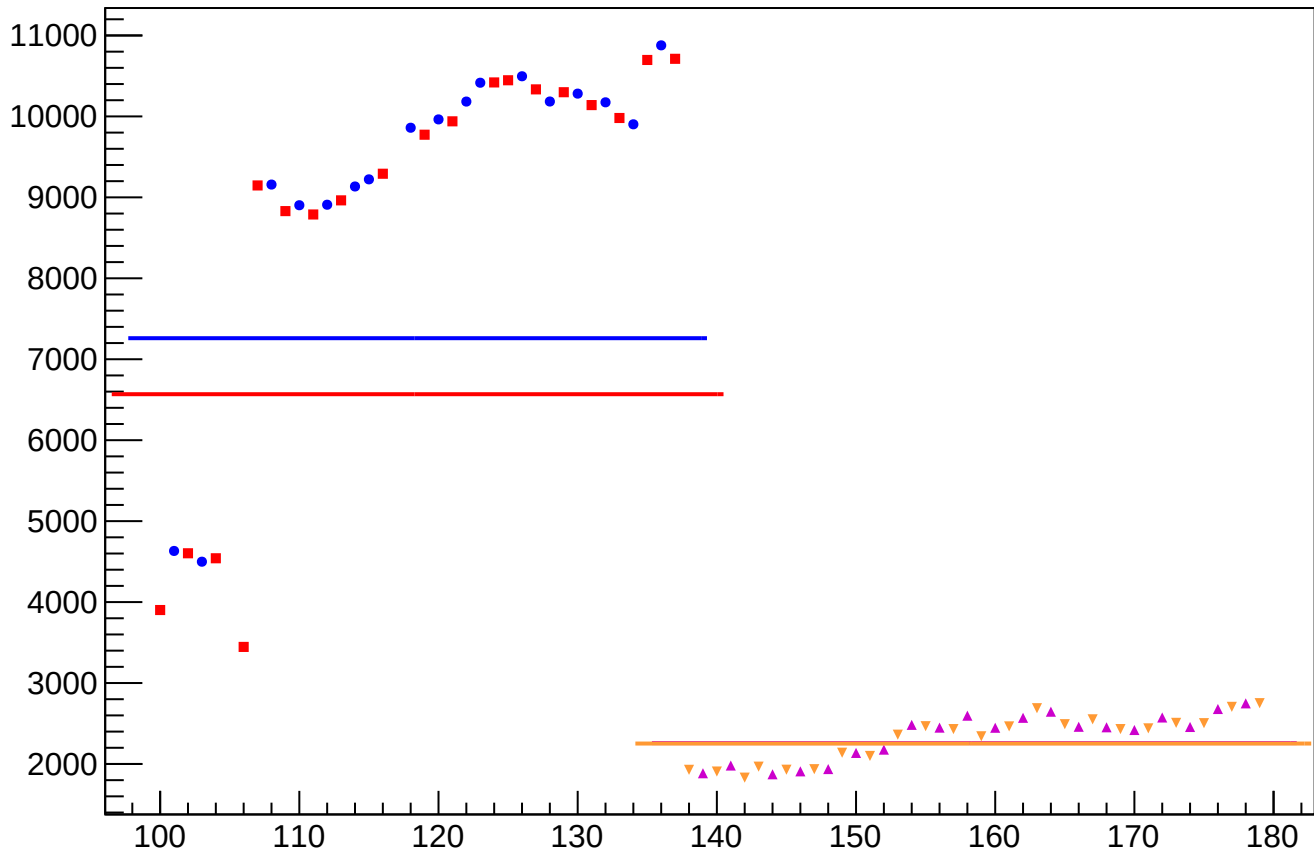
Left In: -3.534 ± 0.580 χ^2/NDF : 94.9/19

+ sign 12.382 ± 0.548 χ^2/NDF : 507.0/38

All: 5.251 ± 0.394 χ^2/NDF : 1084.4/77

- sign -2.378 ± 0.567 χ^2/NDF : 226.8/38

diff_bpm0l04X_rms vs Slug



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

Left Out: 2252.356 $\pm$ 0.394 χ^2 /NDF: 520483.0/21

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

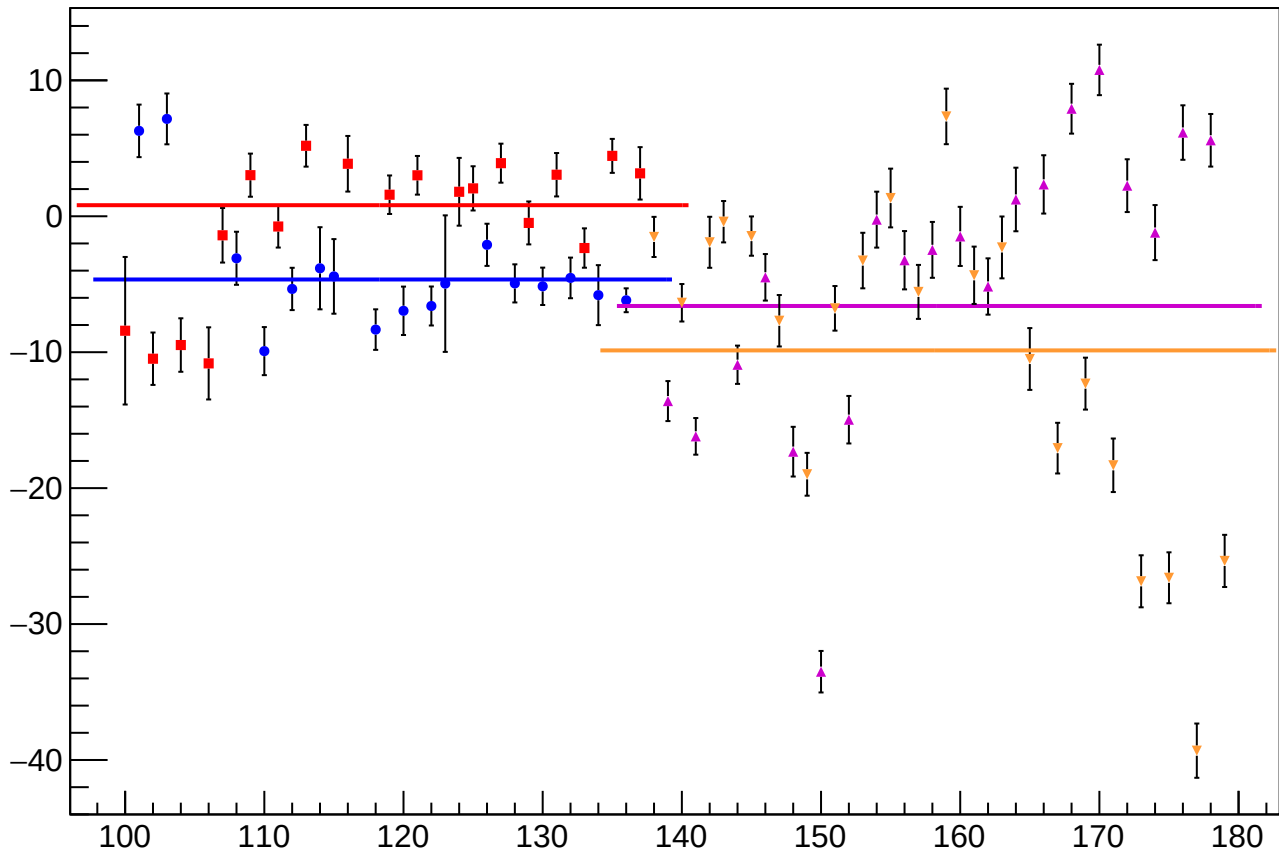
Left In: 2258.069 $\pm$ 0.410 χ^2 /NDF: 516306.3/19

+ sign 2421.435 $\pm$ 0.387 χ^2 /NDF: 7608836.6/38

All: 2436.357 $\pm$ 0.279 χ^2 /NDF: 15304218.3/7

- sign 2452.324 $\pm$ 0.401 χ^2 /NDF: 7692310.2/38

diff_bpm0l04Y_mean vs Slug



Right In: -4.651 ± 0.393 $\chi^2/\text{NDF}: 97.6/16$

Left Out: -9.868 ± 0.387 $\chi^2/\text{NDF}: 774.5/21$

Right Out: 0.814 ± 0.388 $\chi^2/\text{NDF}: 123.7/18$

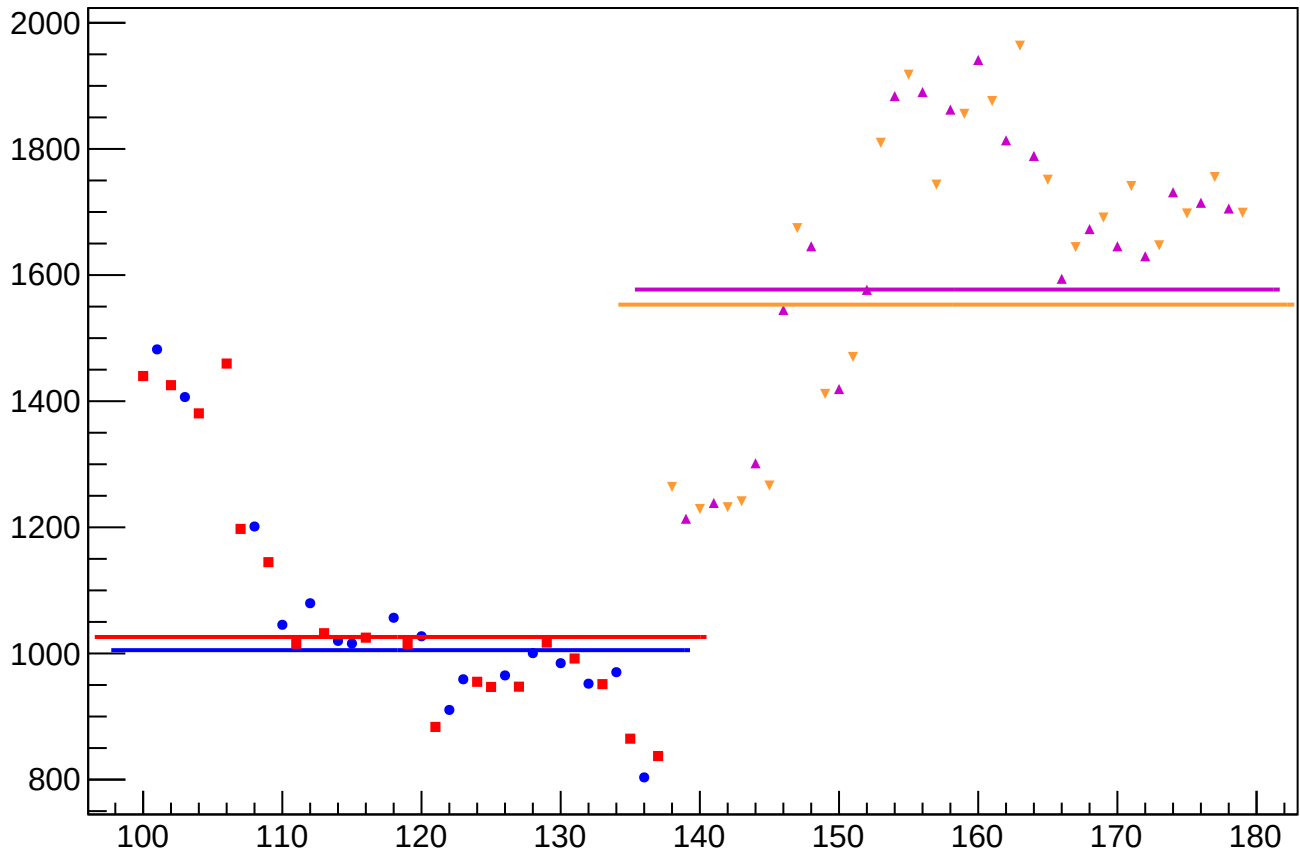
Left In: -6.600 ± 0.406 $\chi^2/\text{NDF}: 760.8/19$

+ sign -7.300 ± 0.275 $\chi^2/\text{NDF}: 961.7/38$

All: -5.057 ± 0.197 $\chi^2/\text{NDF}: 2155.3/77$

- sign -2.728 ± 0.281 $\chi^2/\text{NDF}: 1058.4/38$

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1553.136 $\pm$ 0.273 χ^2 /NDF: 798201.5/21

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

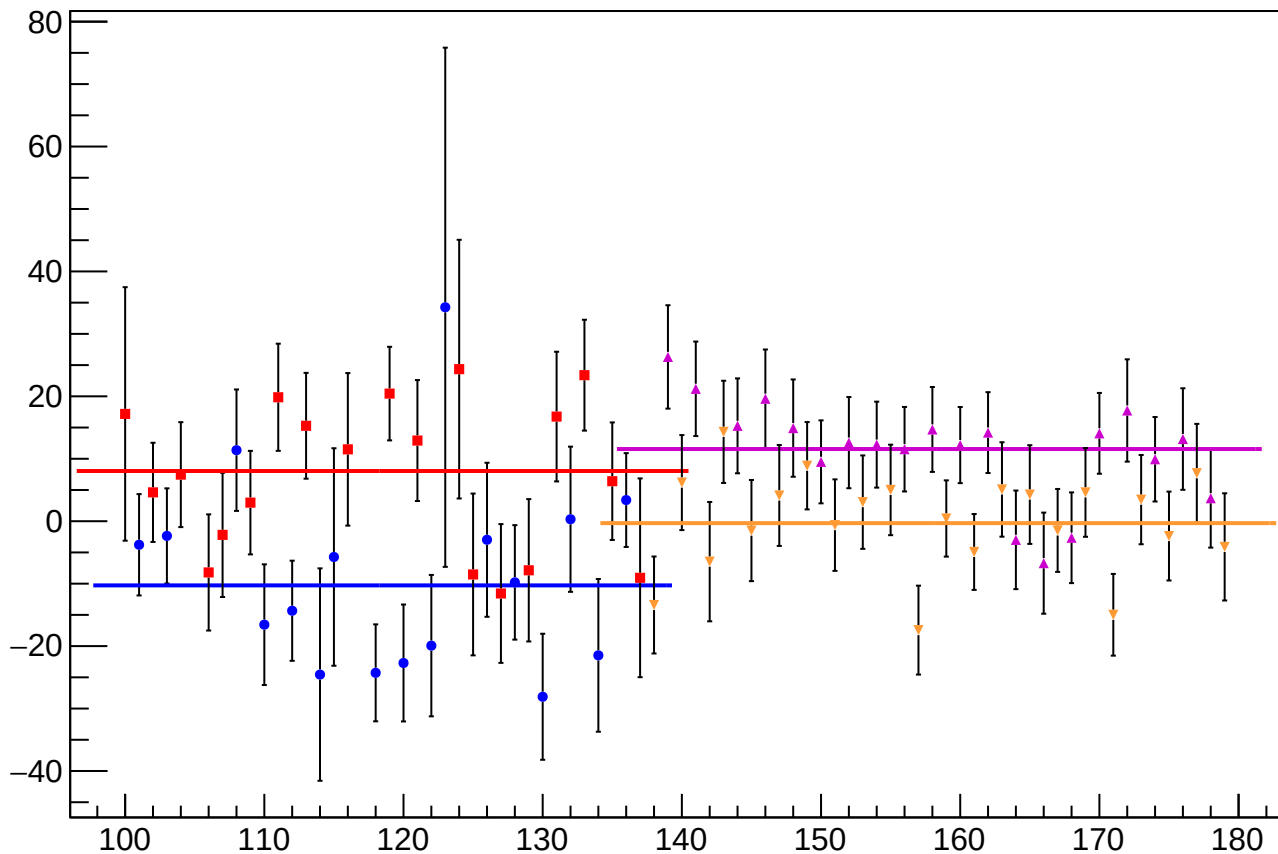
Left In: 1577.037 $\pm$ 0.287 χ^2 /NDF: 613238.2/19

+ sign 1283.425 $\pm$ 0.195 χ^2 /NDF: 3137728.9/38

All: 1286.321 $\pm$ 0.139 χ^2 /NDF: 6005608.1/77

- sign 1289.330 $\pm$ 0.199 χ^2 /NDF: 2867428.4/38

diff_bpm0l05X_mean vs Slug



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

Left Out: -0.308 ± 1.565 χ^2/NDF : 24.3/21

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

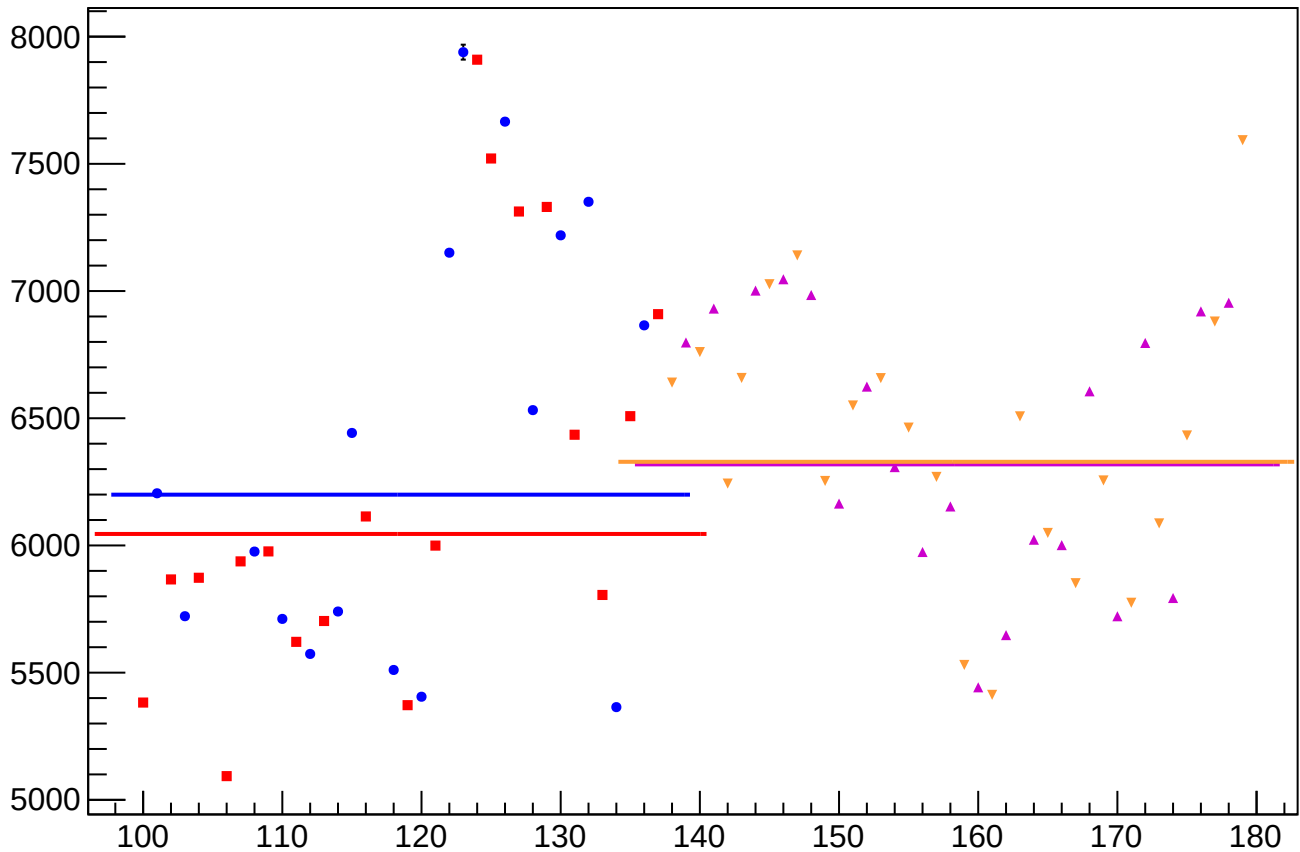
Left In: 11.560 ± 1.621 χ^2/NDF : 20.9/19

+ sign -3.269 ± 1.312 χ^2/NDF : 59.9/38

All: 3.511 ± 0.931 χ^2/NDF : 158.8/77

- sign 10.378 ± 1.321 χ^2/NDF : 45.3/38

diff_bpm0l05X_rms vs Slug



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

Left Out: 6328.787 $\pm$ 1.107 χ^2 /NDF:218825.8/21

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

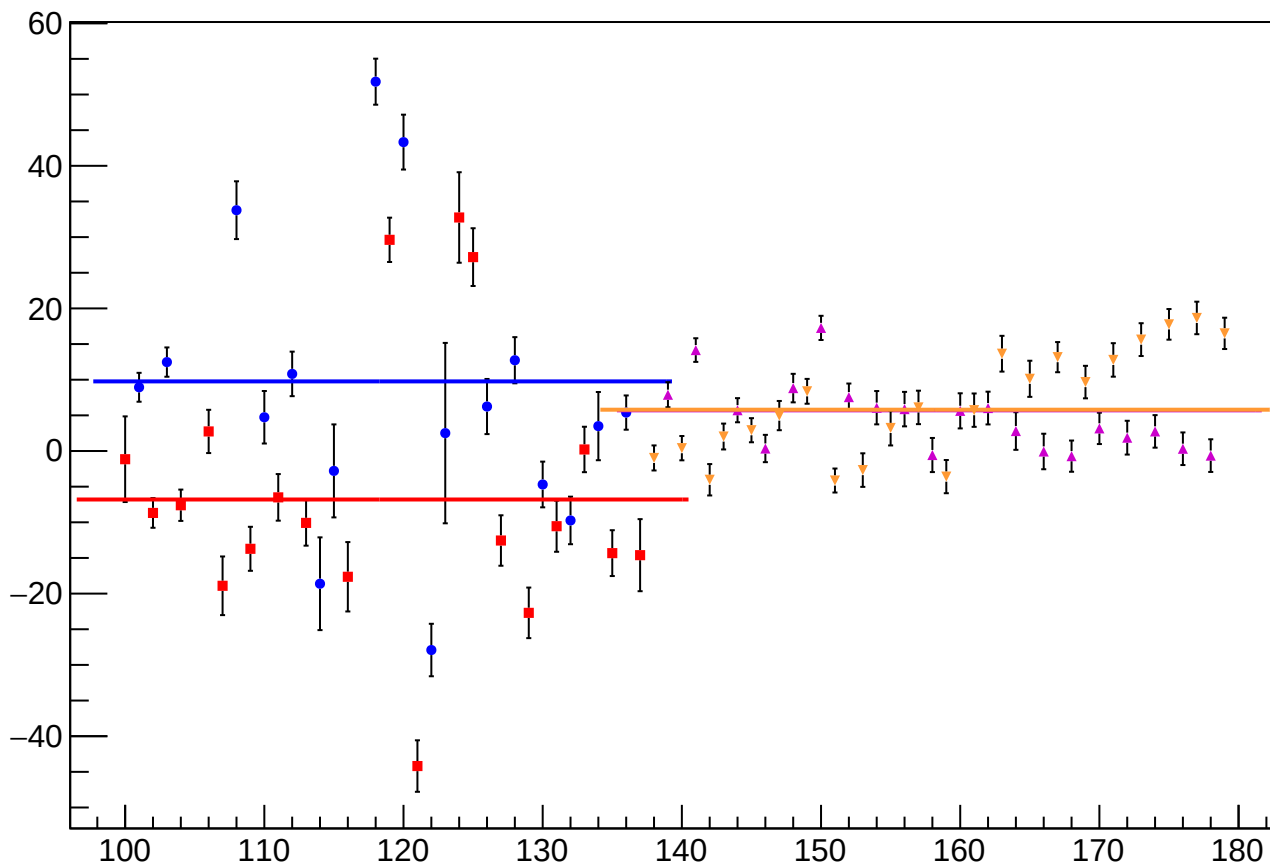
Left In: 6318.654 $\pm$ 1.146 χ^2 /NDF:210113.0/19

+ sign 6290.419 $\pm$ 0.928 χ^2 /NDF: 394632.4/38

All: 6258.796 $\pm$ 0.658 χ^2 /NDF: 784539.8/77

- sign 6226.770 $\pm$ 0.934 χ^2 /NDF: 387569.9/38

diff_bpm0l05Y_mean vs Slug



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

Left Out: 5.793 ± 0.444 χ^2/NDF : 261.0/21

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

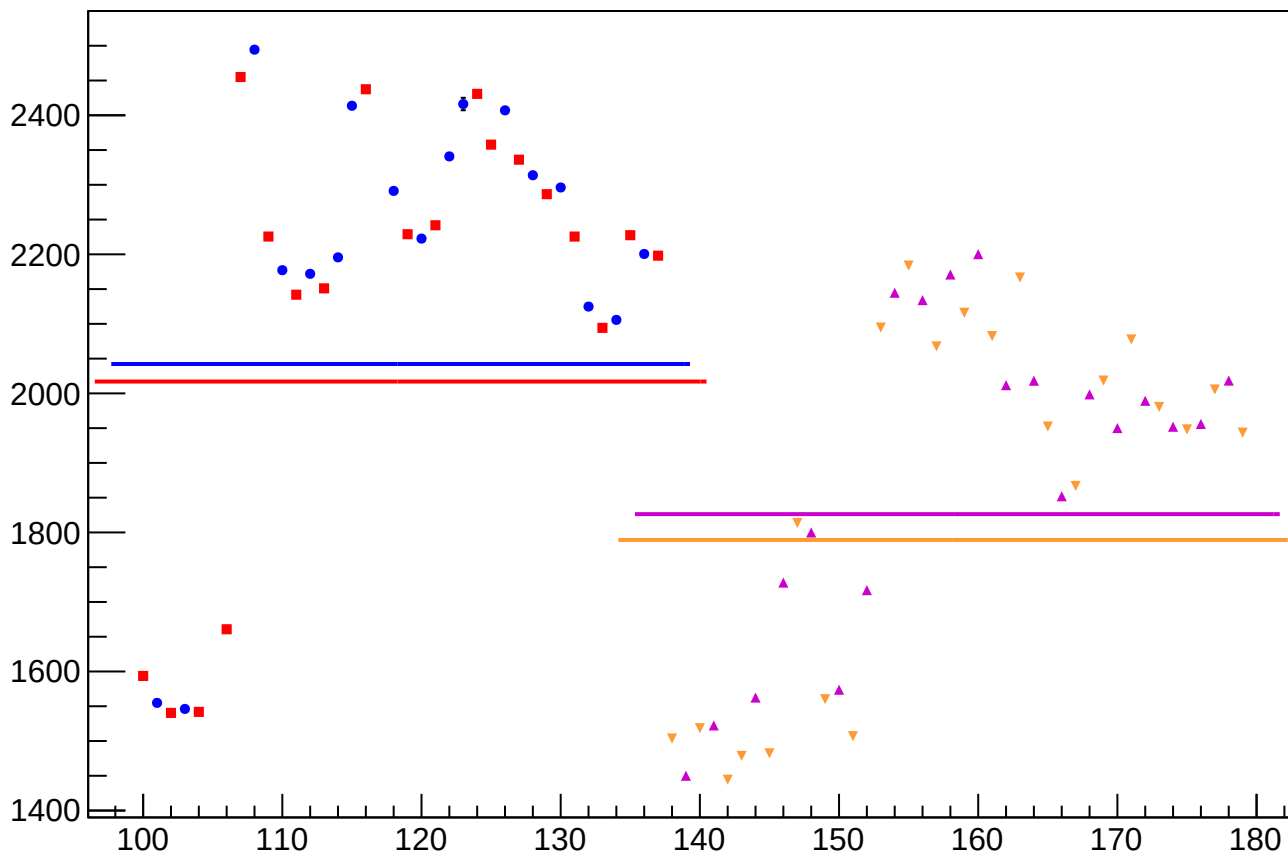
Left In: 5.703 ± 0.469 χ^2/NDF : 126.2/19

+ sign 6.736 ± 0.388 χ^2/NDF : 753.7/38

All: 4.576 ± 0.279 χ^2/NDF : 1559.8/77

- sign 2.281 ± 0.400 χ^2/NDF : 742.2/38

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1789.213+/-0.314 χ^2/NDF : 711880.0/21

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

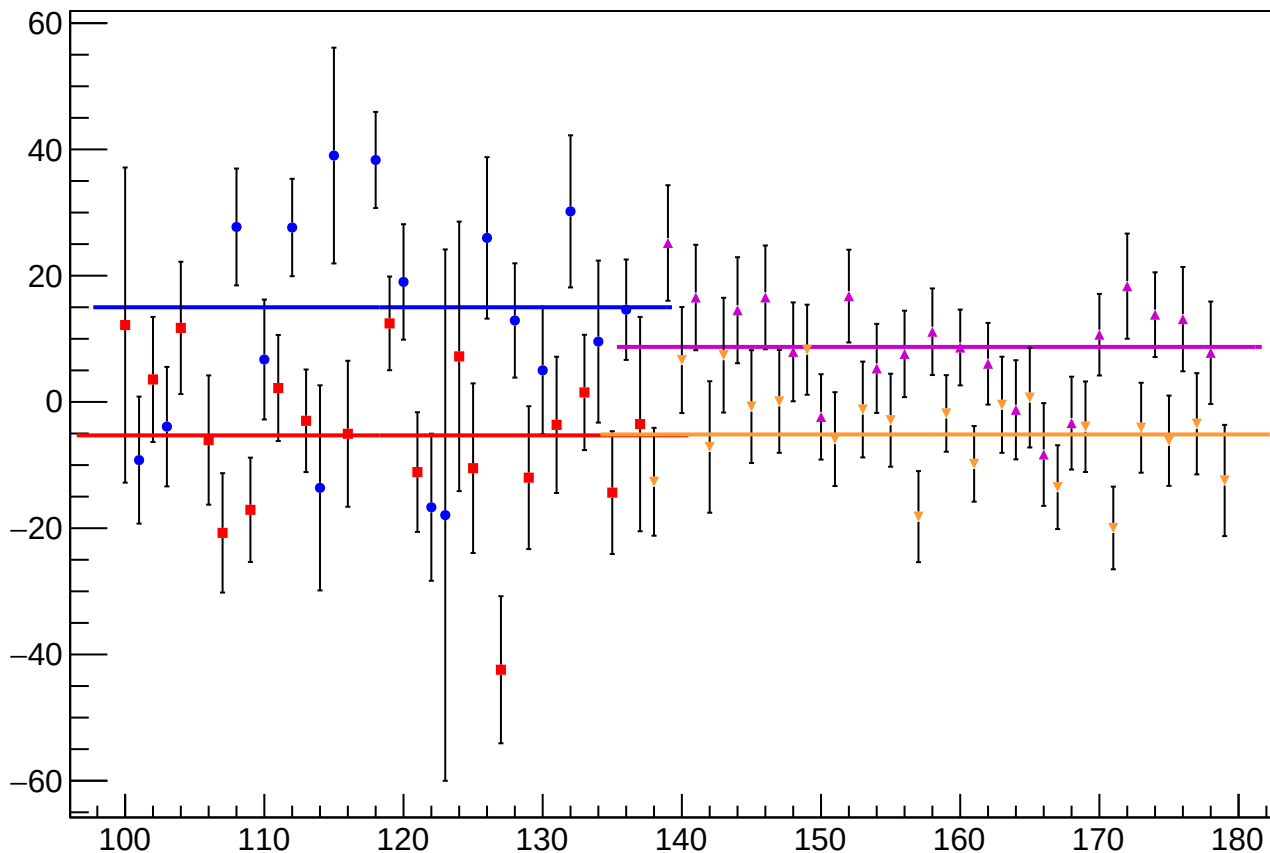
Left In: 1826.322+/-0.332 χ^2/NDF : 499695.0/19

+ sign 1849.264+/-0.274 χ^2/NDF : 1222539.3/38

All: 1863.449+/-0.197 χ^2/NDF : 2193698.3/77

- sign 1878.517+/-0.283 χ^2/NDF : 965651.4/38

diff_bpm0l06X_mean vs Slug



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

Left Out: -5.147 $\pm$ 1.599 χ^2 /NDF: 21.8/21

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

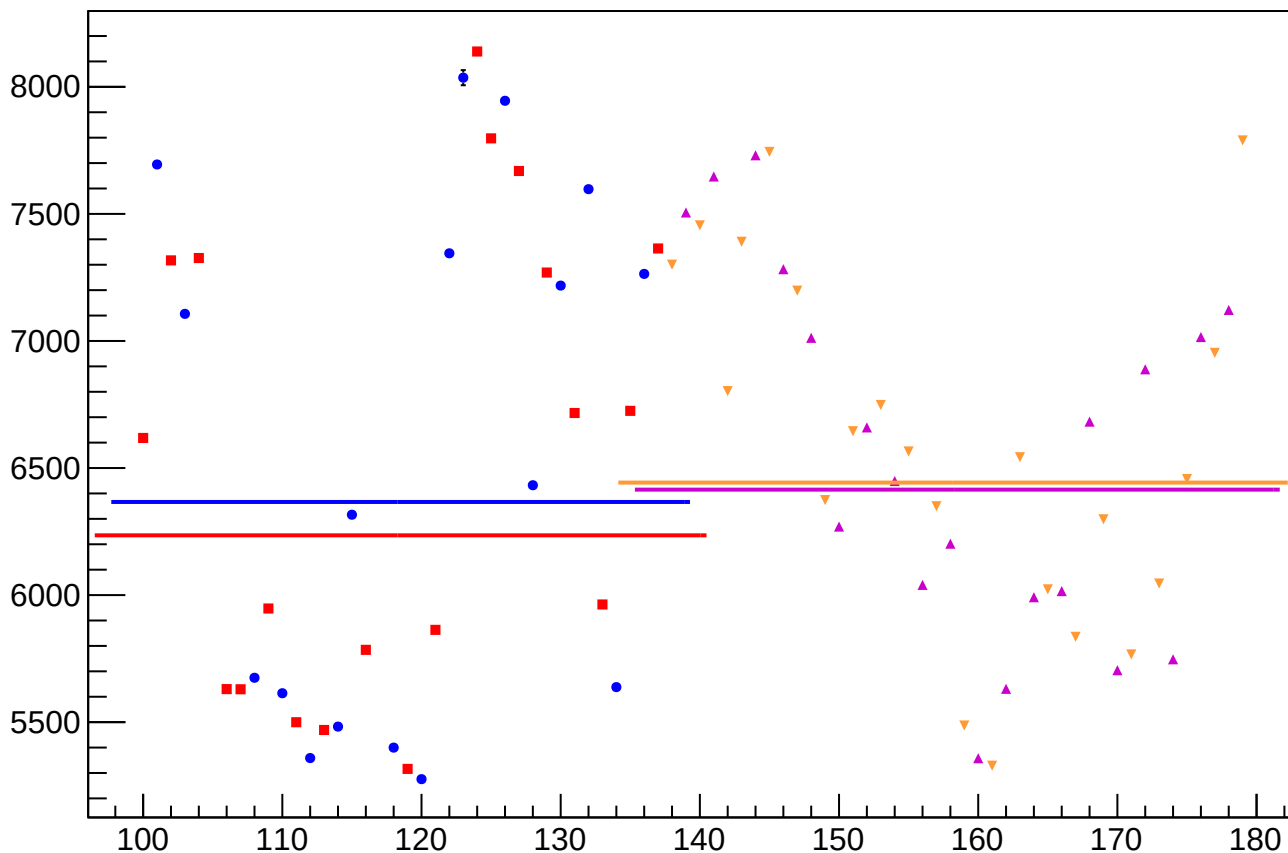
Left In: 8.719 $\pm$ 1.652 χ^2 /NDF: 20.9/19

+ sign 0.750 $\pm$ 1.345 χ^2 /NDF: 109.6/38

All: 2.418 $\pm$ 0.954 χ^2 /NDF: 185.4/77

- sign 4.106 $\pm$ 1.353 χ^2 /NDF: 72.7/38

diff_bpm0l06X_rms vs Slug



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

Left Out: 6442.721+/-1.131 χ^2/NDF : 363594.2/21

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

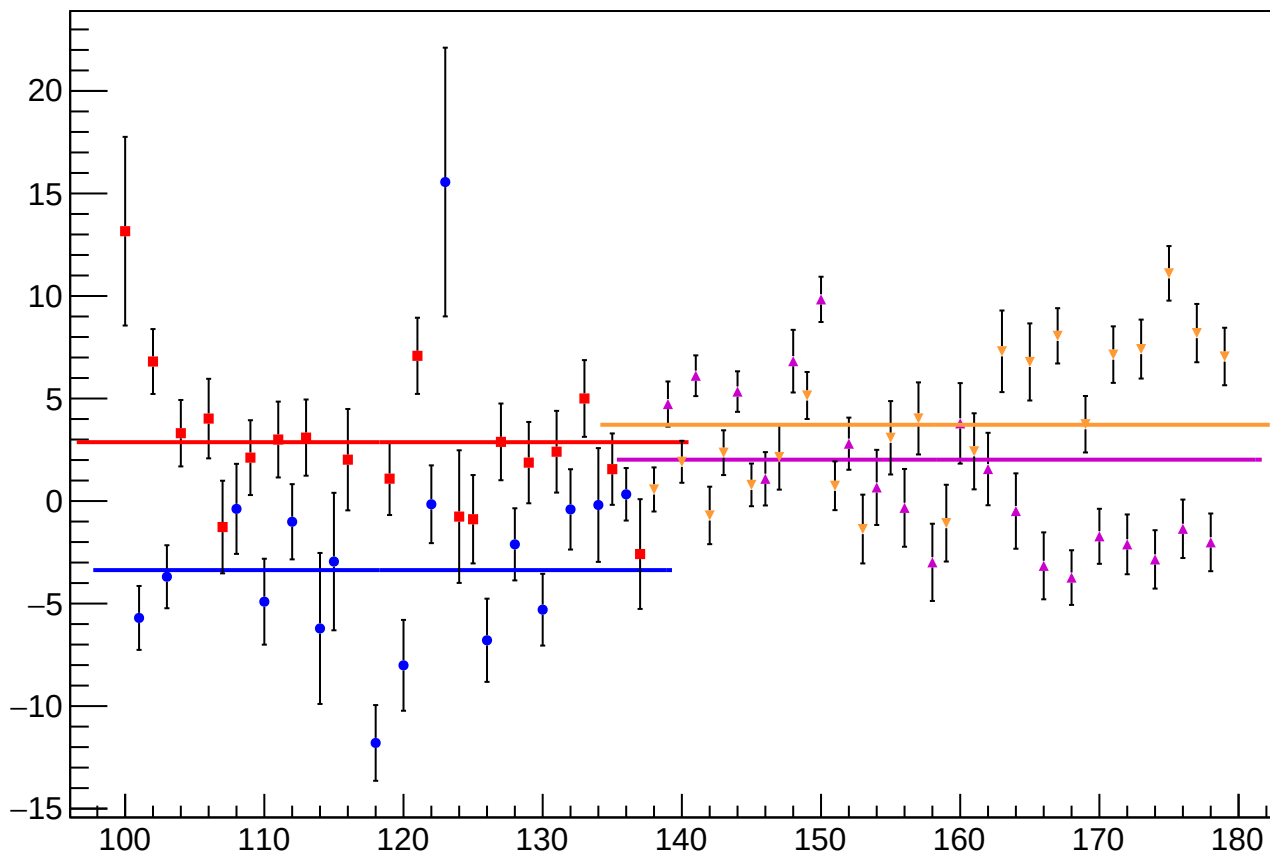
Left In: 6414.983+/-1.168 χ^2/NDF : 346904.8/19

+ sign 6420.405+/-0.951 χ^2/NDF : 651419.5/38

All: 6388.283+/-0.674 χ^2/NDF : 1251628.1/77

- sign 6355.776+/-0.957 χ^2/NDF : 597912.5/38

diff_bpm0l06Y_mean vs Slug



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

Left Out: 3.719 ± 0.292 $\chi^2/\text{NDF}: 131.6/21$

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

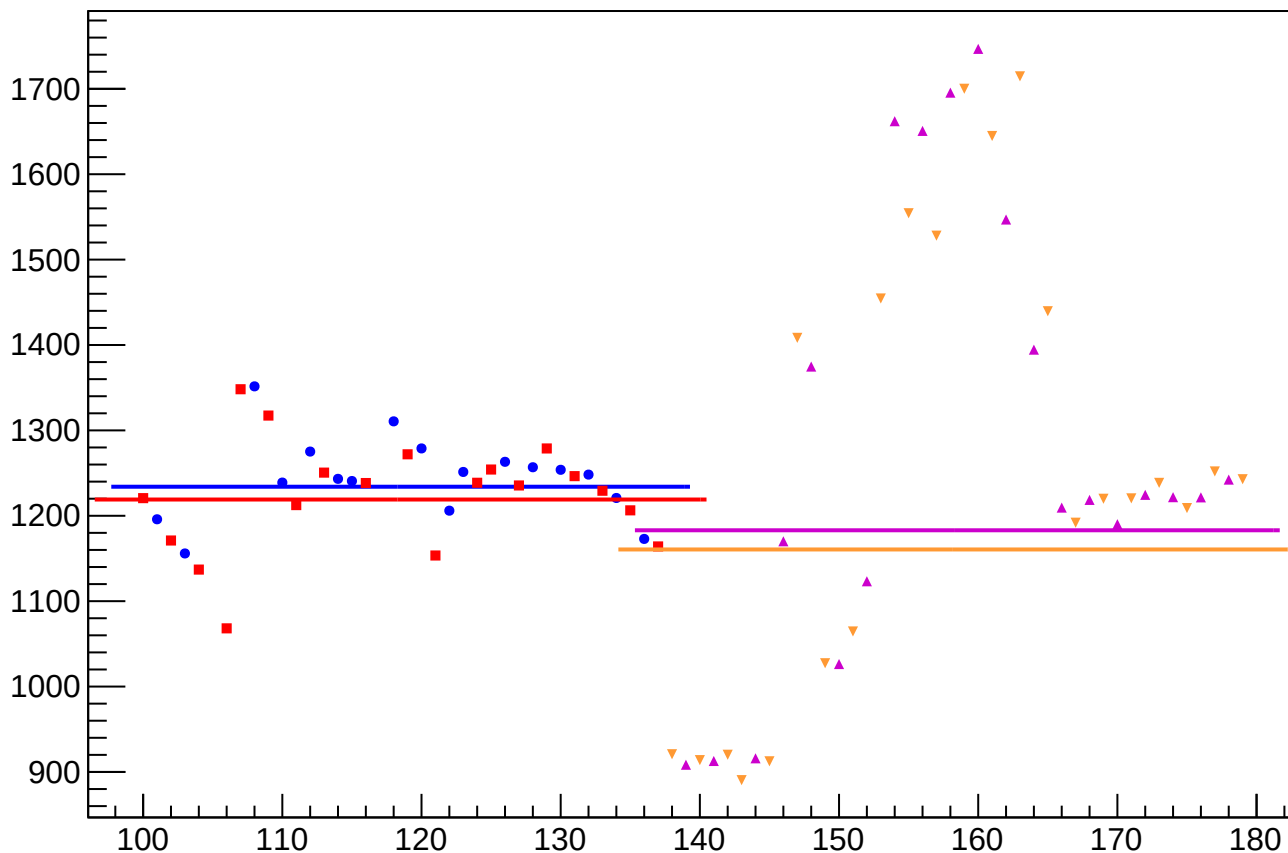
Left In: 2.018 ± 0.308 $\chi^2/\text{NDF}: 177.1/19$

+ sign 1.777 ± 0.249 $\chi^2/\text{NDF}: 352.8/38$

All: 2.024 ± 0.178 $\chi^2/\text{NDF}: 566.3/77$

- sign 2.285 ± 0.256 $\chi^2/\text{NDF}: 211.5/38$

diff_bpm0l06Y_rms vs Slug



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

Left Out: 1160.550+/-0.207 χ^2/NDF : 1378520.5/21

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

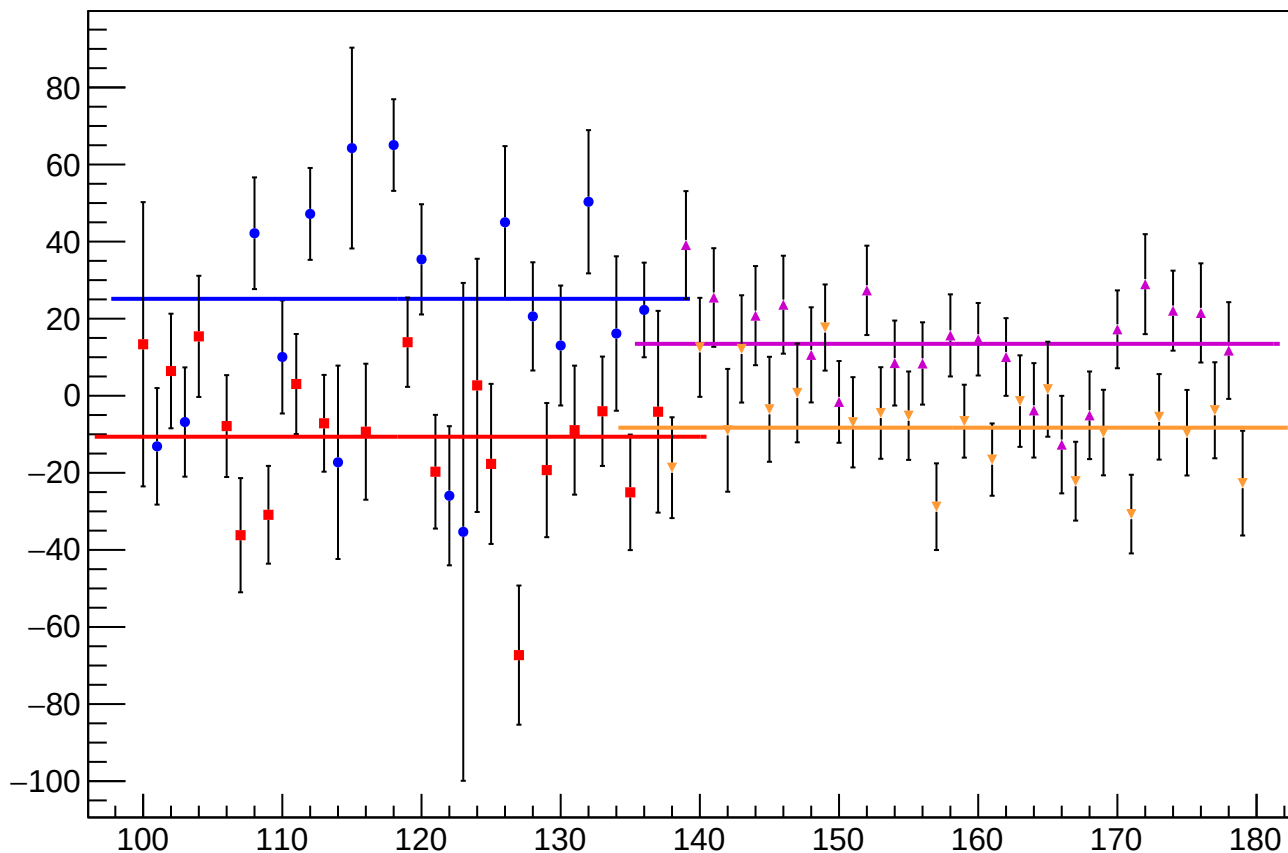
Left In: 1183.025+/-0.218 χ^2/NDF : 1187575.3/19

+ sign 1180.693+/-0.176 χ^2/NDF : 1436752.3/38

All: 1187.327+/-0.126 χ^2/NDF : 2676164.3/77

- sign 1194.319+/-0.181 χ^2/NDF : 1236494.9/38

diff_bpm0l07X_mean vs Slug



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

Left Out: -8.283 ± 2.485 χ^2/NDF : 24.8/21

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

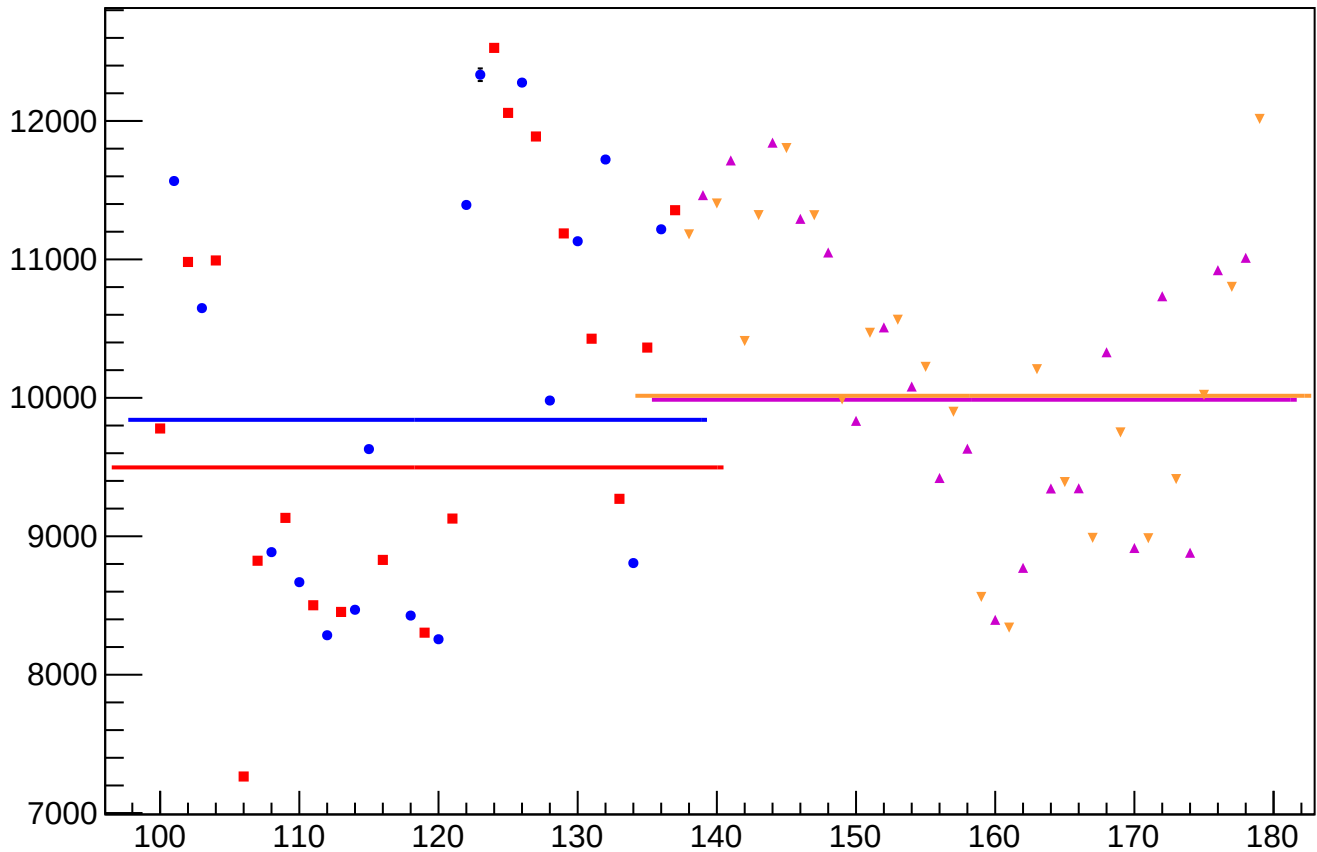
Left In: 13.472 ± 2.570 χ^2/NDF : 20.9/19

+ sign 1.593 ± 2.086 χ^2/NDF : 125.2/38

All: 3.451 ± 1.477 χ^2/NDF : 205.1/77

- sign 5.317 ± 2.091 χ^2/NDF : 78.4/38

diff_bpm0l07X_rms vs Slug



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

Left Out: 10014.896+/-1.757 χ^2/NDF : 336876.3/21

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

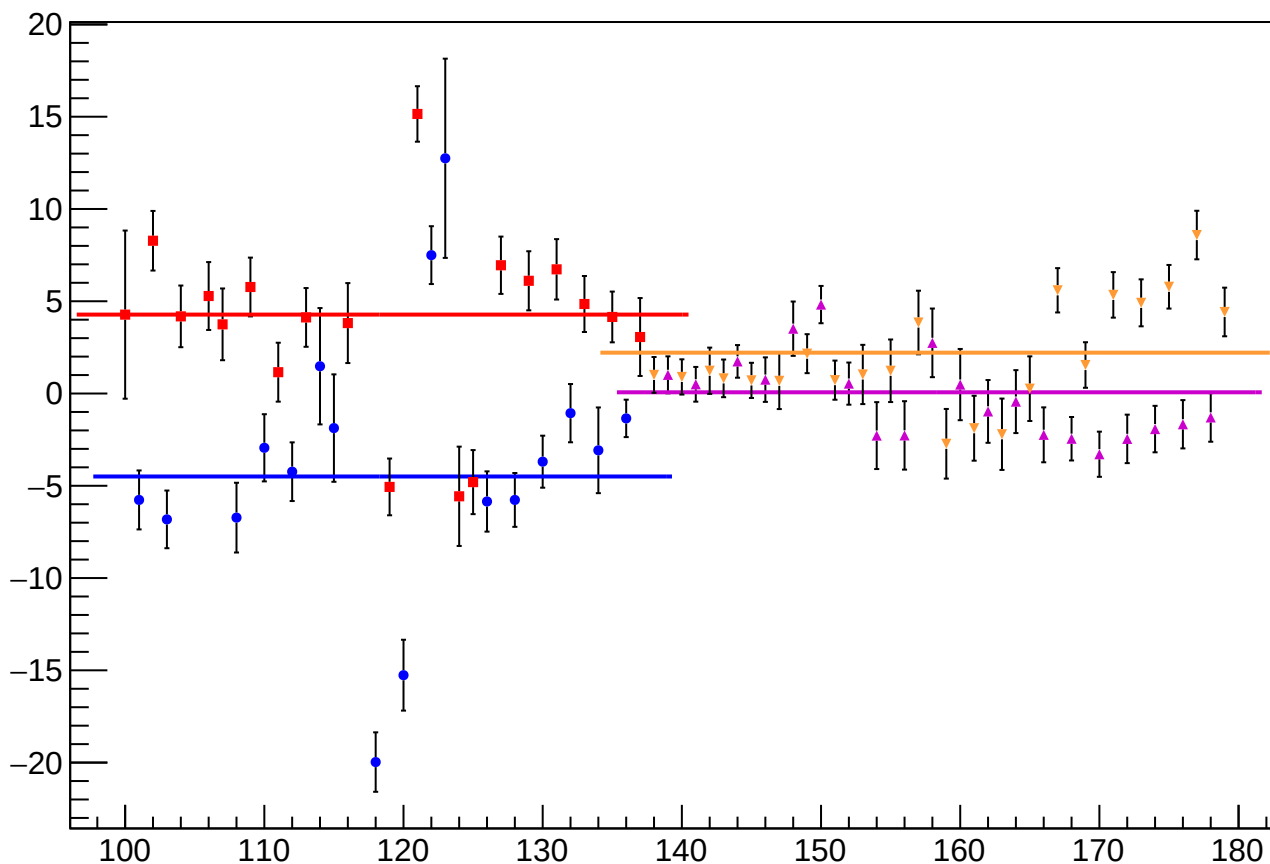
Left In: 9986.326+/-1.817 χ^2/NDF : 323274.8/19

+ sign 9963.576+/-1.475 χ^2/NDF : 599826.7/38

All: 9892.440+/-1.044 χ^2/NDF : 1228941.2/77

- sign 9820.959+/-1.478 χ^2/NDF : 624450.1/38

diff_bpm0l07Y_mean vs Slug



Right In: -4.497 $\pm$ 0.408 χ^2/NDF : 218.4/16

Left Out: 2.213 $\pm$ 0.269 χ^2/NDF : 86.4/21

Right Out: 4.277 $\pm$ 0.394 χ^2/NDF : 148.2/18

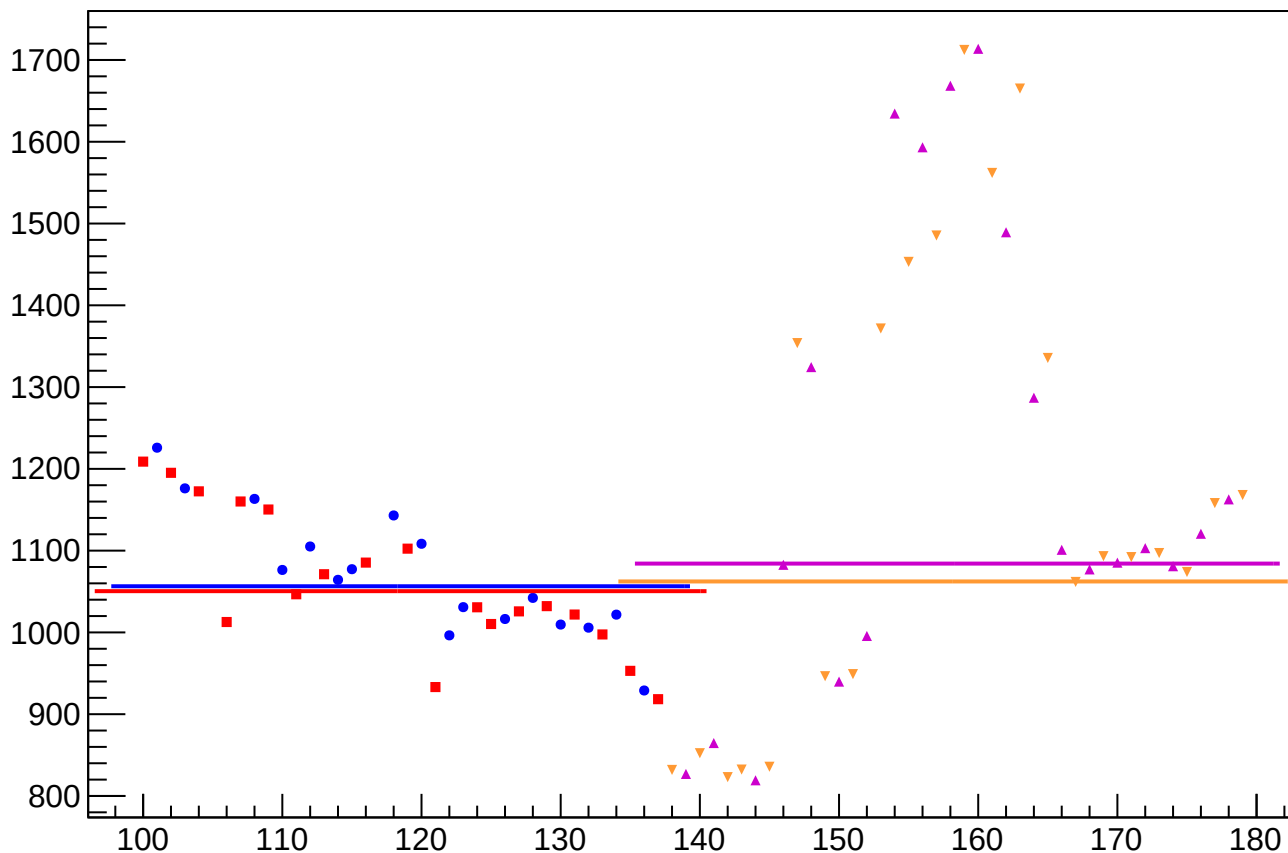
Left In: 0.066 $\pm$ 0.285 χ^2/NDF : 62.1/19

+ sign 0.183 $\pm$ 0.225 χ^2/NDF : 493.3/38

All: 0.828 $\pm$ 0.161 χ^2/NDF : 795.8/77

- sign 1.510 $\pm$ 0.231 χ^2/NDF : 285.5/38

diff_bpm0l07Y_rms vs Slug



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

Left Out: 1062.318 $\pm$ 0.190 χ^2 /NDF:1586817.1/21

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

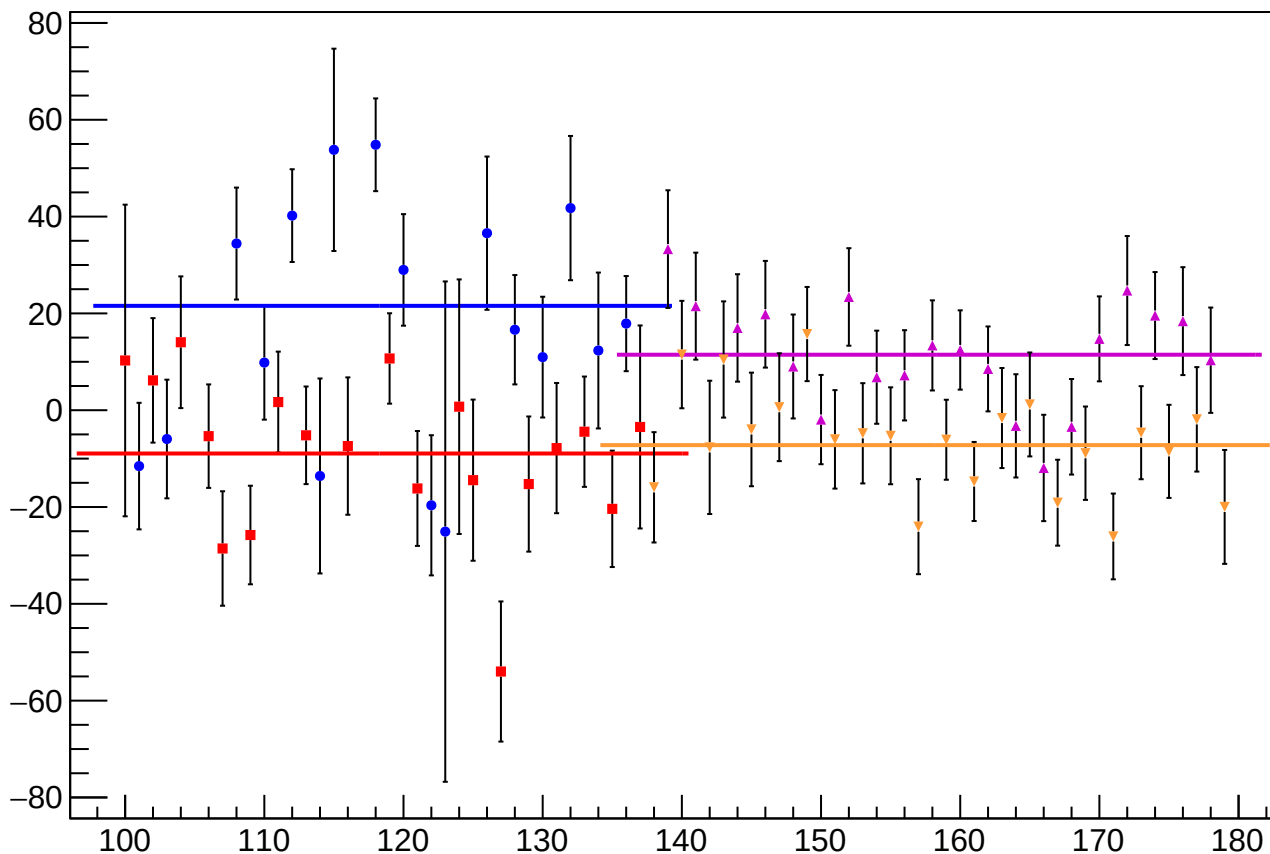
Left In: 1084.158 $\pm$ 0.201 χ^2 /NDF:1422600.7/19

+ sign 1060.538 $\pm$ 0.159 χ^2 /NDF: 1677879.8/38

All: 1066.406 $\pm$ 0.114 χ^2 /NDF: 3195312.1/77

- sign 1072.598 $\pm$ 0.163 χ^2 /NDF: 1514625.1/38

diff_bpm0l08X_mean vs Slug



Right In: 21.561 ± 3.110 χ^2/NDF : 48.4/16

Left Out: -7.214 ± 2.159 χ^2/NDF : 24.4/21

Right Out: -8.943 ± 2.912 χ^2/NDF : 27.4/18

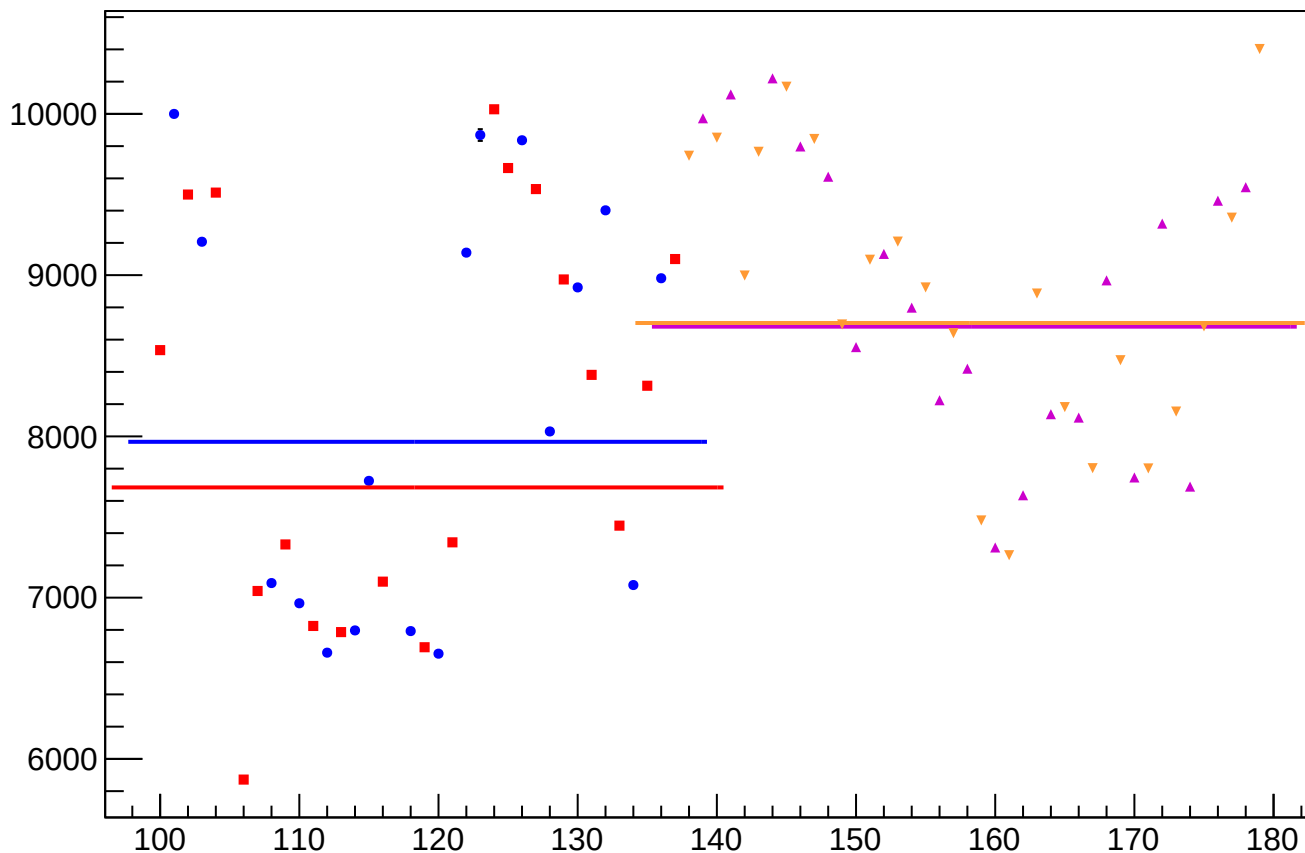
Left In: 11.463 ± 2.234 χ^2/NDF : 20.5/19

+ sign 2.142 ± 1.774 χ^2/NDF : 130.6/38

All: 3.023 ± 1.254 χ^2/NDF : 209.9/77

- sign 3.904 ± 1.772 χ^2/NDF : 78.9/38

diff_bpm0l08X_rms vs Slug



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

Left Out: 8703.194 $\pm$ 1.527 χ^2 /NDF: 325004.6/21

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

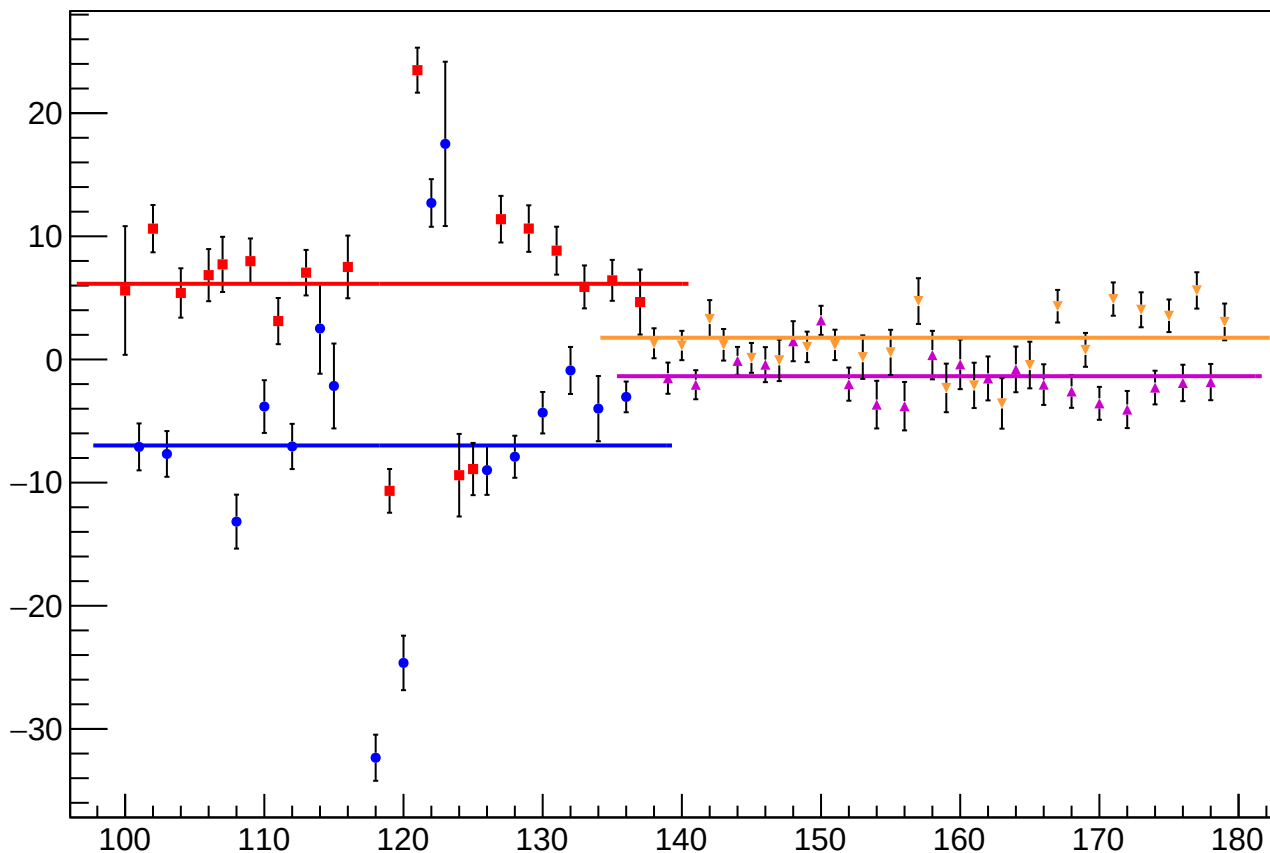
Left In: 8680.523 $\pm$ 1.579 χ^2 /NDF: 314139.5/19

+ sign 8463.649 $\pm$ 1.254 χ^2 /NDF: 697355.2/38

All: 8387.365 $\pm$ 0.886 χ^2 /NDF: 1481548.9/77

- sign 8311.189 $\pm$ 1.253 χ^2 /NDF: 776798.4/38

diff_bpm0l08Y_mean vs Slug



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

Left Out: 1.764 ± 0.311 χ^2/NDF : 47.3/21

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

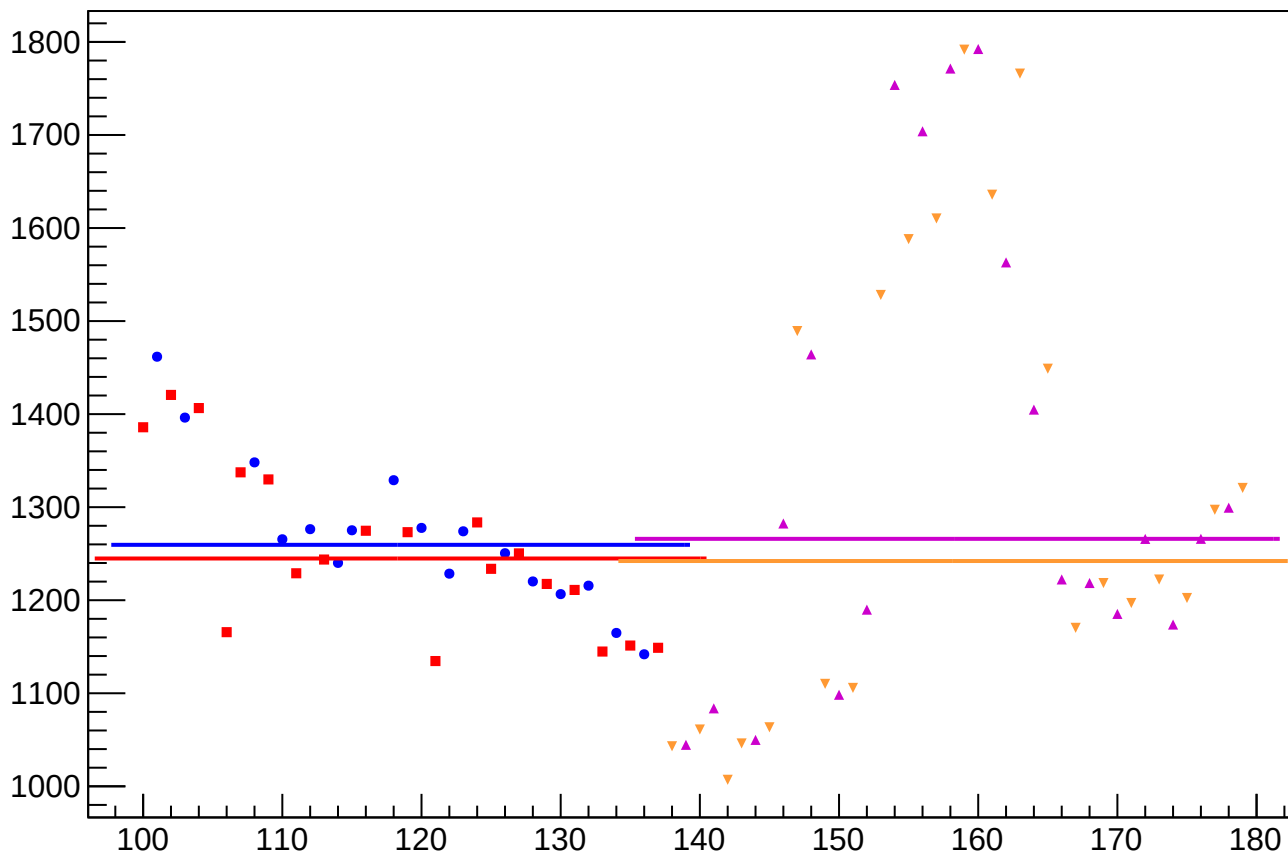
Left In: -1.357 ± 0.328 χ^2/NDF : 31.7/19

+ sign -0.774 ± 0.262 χ^2/NDF : 685.7/38

All: 0.153 ± 0.187 χ^2/NDF : 1193.5/77

- sign 1.127 ± 0.269 χ^2/NDF : 482.1/38

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1242.128 $\pm$ 0.220 χ^2 /NDF: 949775.2/21

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

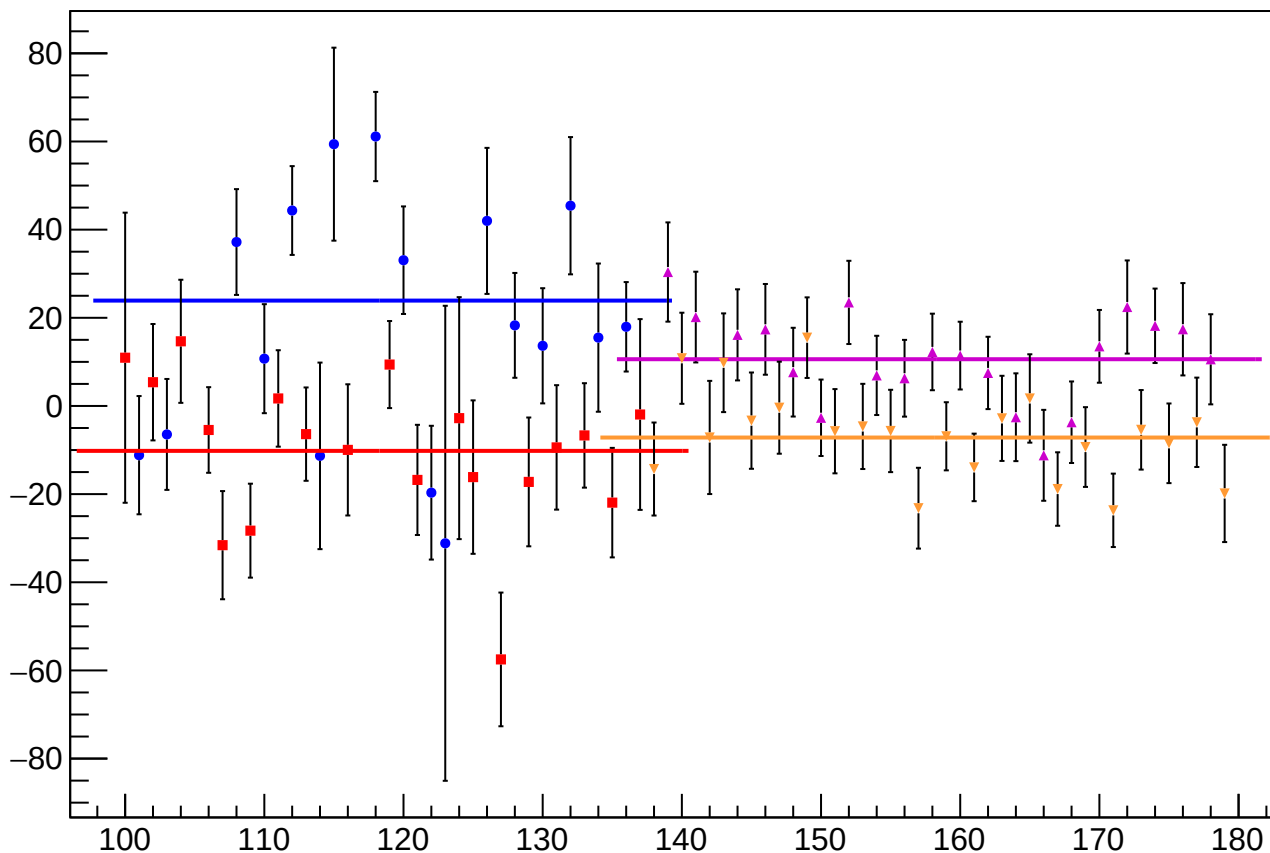
Left In: 1265.957 $\pm$ 0.232 χ^2 /NDF: 840532.0/19

+ sign 1247.177 $\pm$ 0.185 χ^2 /NDF: 1016438.7/38

All: 1252.921 $\pm$ 0.133 χ^2 /NDF: 1928511.6/77

- sign 1258.963 $\pm$ 0.190 χ^2 /NDF: 910098.0/38

diff_bpm0l09X_mean vs Slug



Right In: 23.904 ± 3.251 χ^2/NDF : 52.4/16

Left Out: -7.163 ± 2.021 χ^2/NDF : 24.9/21

Right Out: -10.190 ± 3.006 χ^2/NDF : 27.9/18

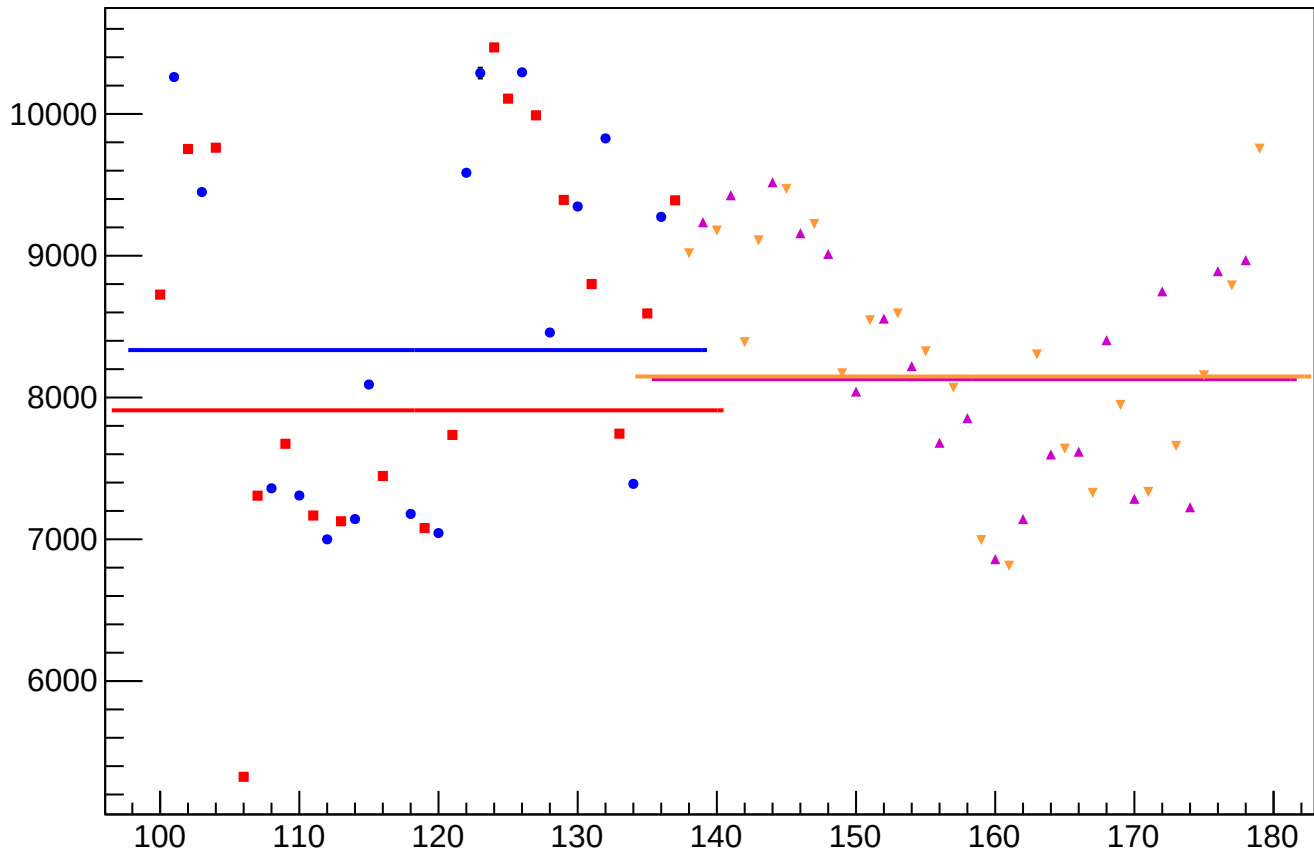
Left In: 10.605 ± 2.091 χ^2/NDF : 20.8/19

+ sign 1.497 ± 1.716 χ^2/NDF : 143.2/38

All: 2.659 ± 1.214 χ^2/NDF : 225.1/77

- sign 3.821 ± 1.717 χ^2/NDF : 81.0/38

diff_bpm0l09X_rms vs Slug



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

Left Out: 8148.359+/-1.429 χ^2/NDF : 314697.0/21

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

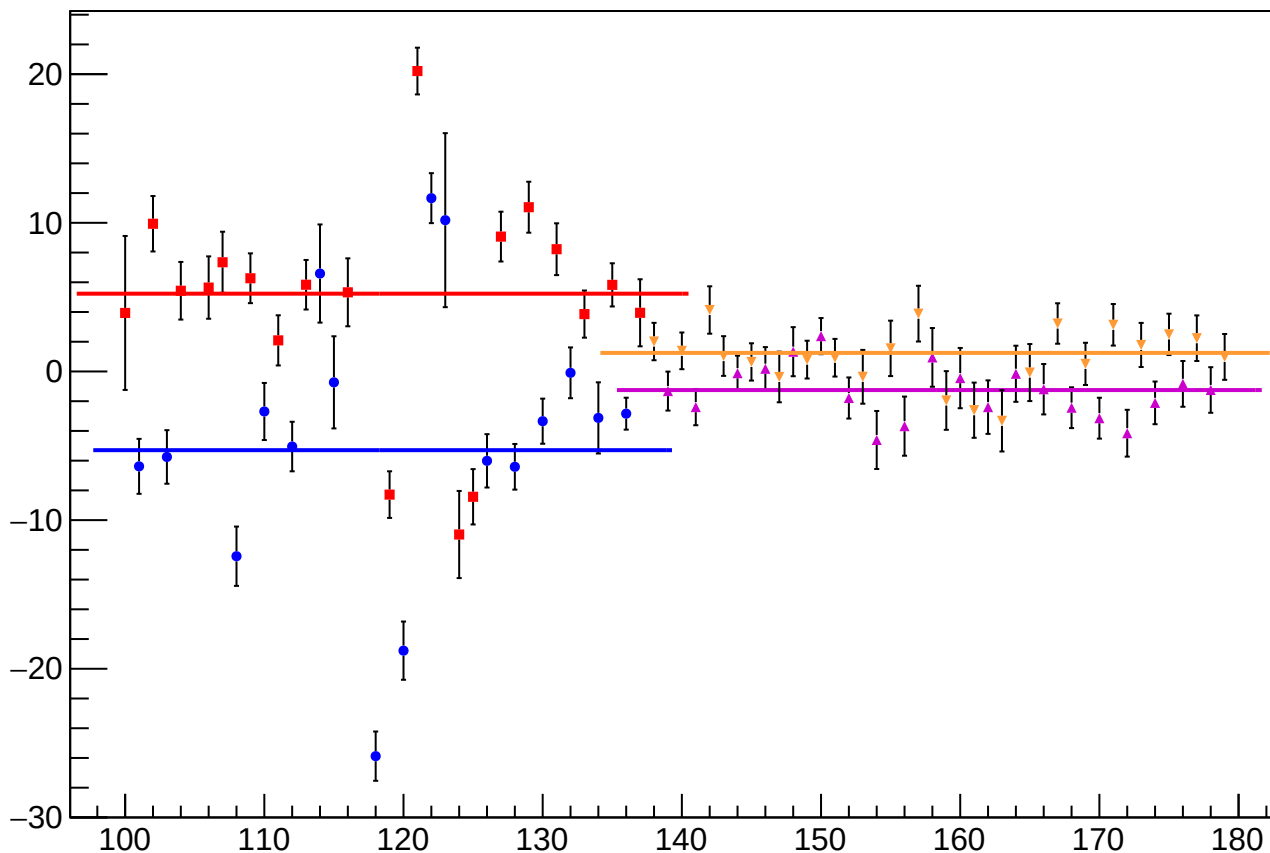
Left In: 8129.531+/-1.479 χ^2/NDF : 305051.8/19

+ sign 8200.246+/-1.214 χ^2/NDF : 591730.2/38

All: 8129.039+/-0.858 χ^2/NDF : 1301703.7/77

- sign 8057.793+/-1.214 χ^2/NDF : 703085.3/38

diff_bpm0l09Y_mean vs Slug



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

Left Out: 1.250 ± 0.320 χ^2/NDF : 25.7/21

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

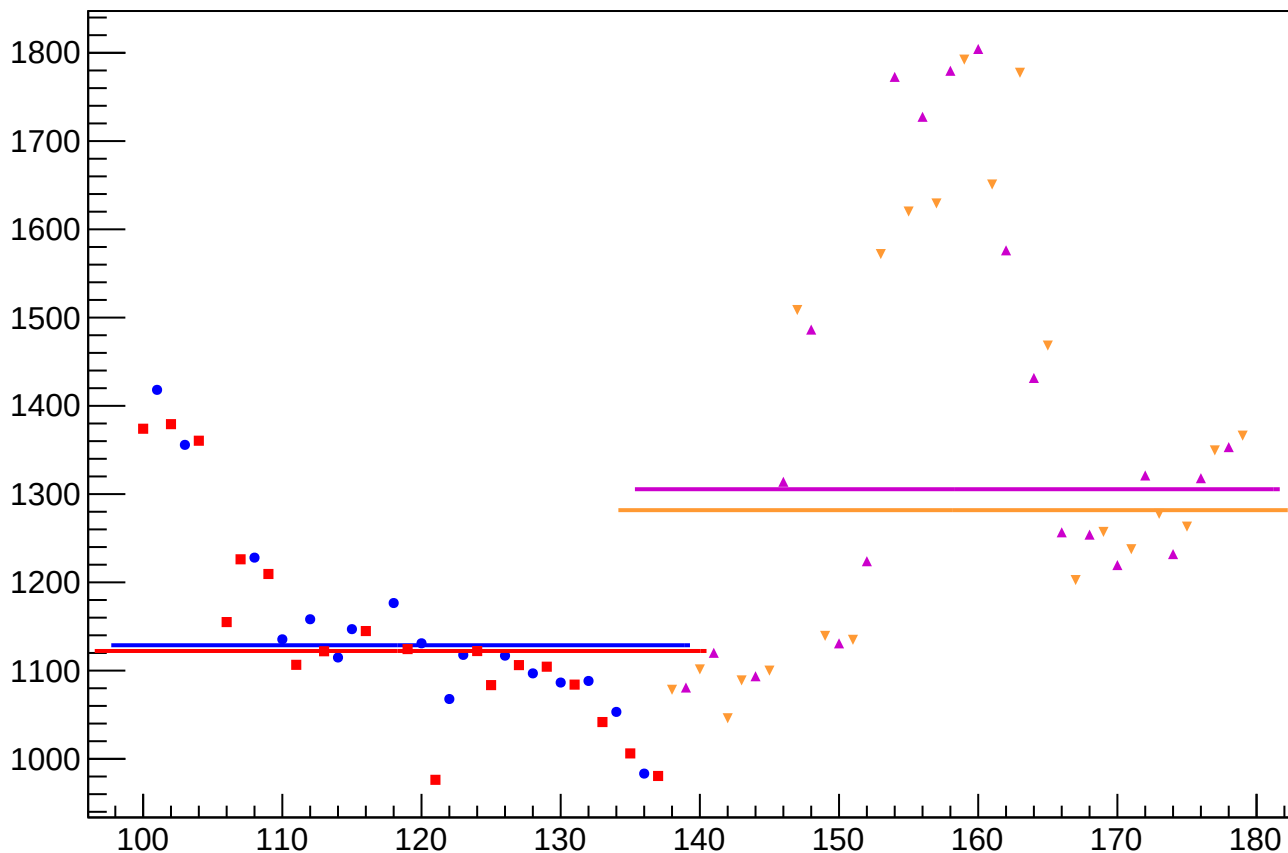
Left In: -1.252 ± 0.338 χ^2/NDF : 27.3/19

+ sign -1.037 ± 0.258 χ^2/NDF : 529.9/38

All: 0.100 ± 0.184 χ^2/NDF : 1022.7/77

- sign 1.285 ± 0.264 χ^2/NDF : 453.2/38

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1281.805 $\pm$ 0.226 χ^2 /NDF: 862857.1/21

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

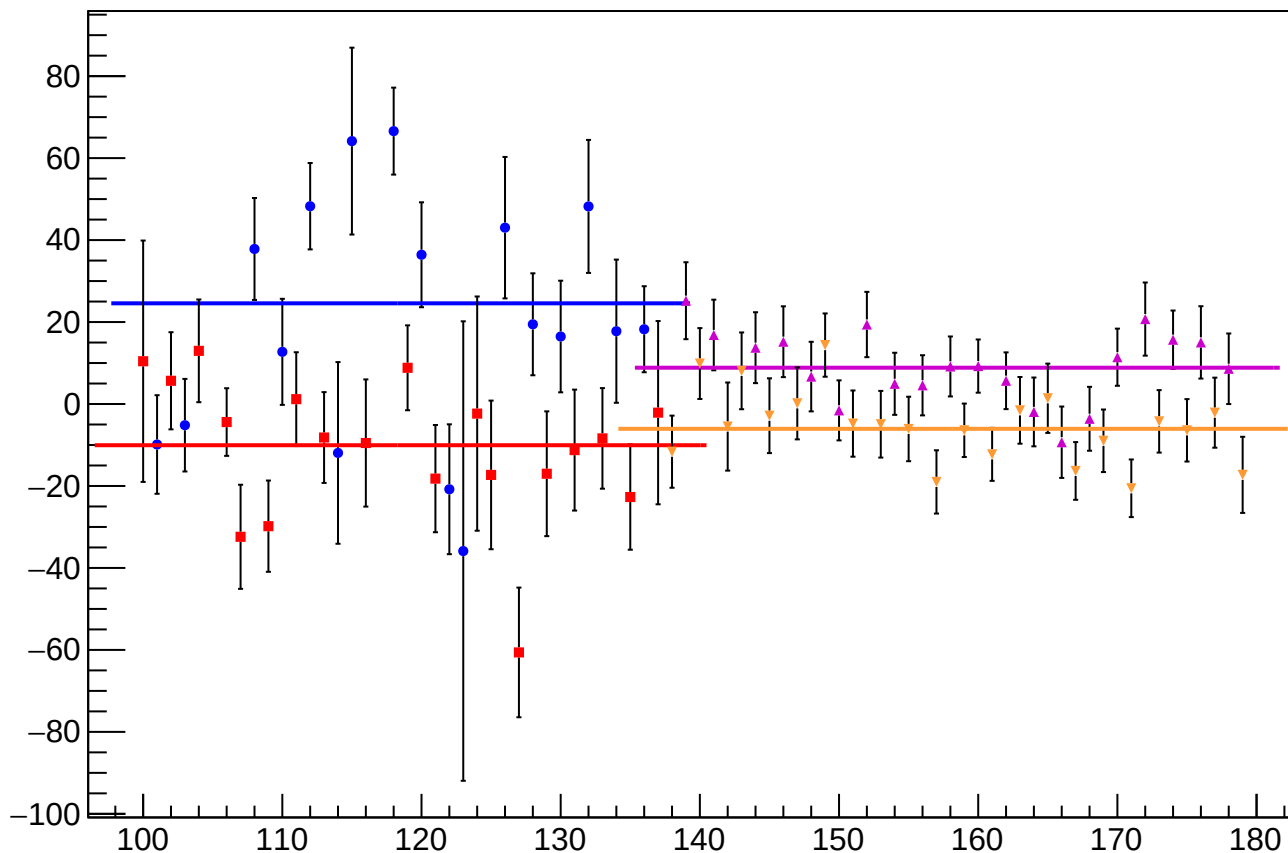
Left In: 1305.529 $\pm$ 0.239 χ^2 /NDF: 756487.2/19

+ sign 1228.331 $\pm$ 0.183 χ^2 /NDF: 1155717.8/38

All: 1231.027 $\pm$ 0.130 χ^2 /NDF: 2272360.6/77

- sign 1233.840 $\pm$ 0.186 χ^2 /NDF: 1116197.2/38

diff_bpm0l10X_mean vs Slug



Right In: 24.569 ± 3.318 χ^2/NDF : 58.1/16

Left Out: -6.053 ± 1.702 χ^2/NDF : 26.9/21

Right Out: -10.057 ± 3.008 χ^2/NDF : 28.8/18

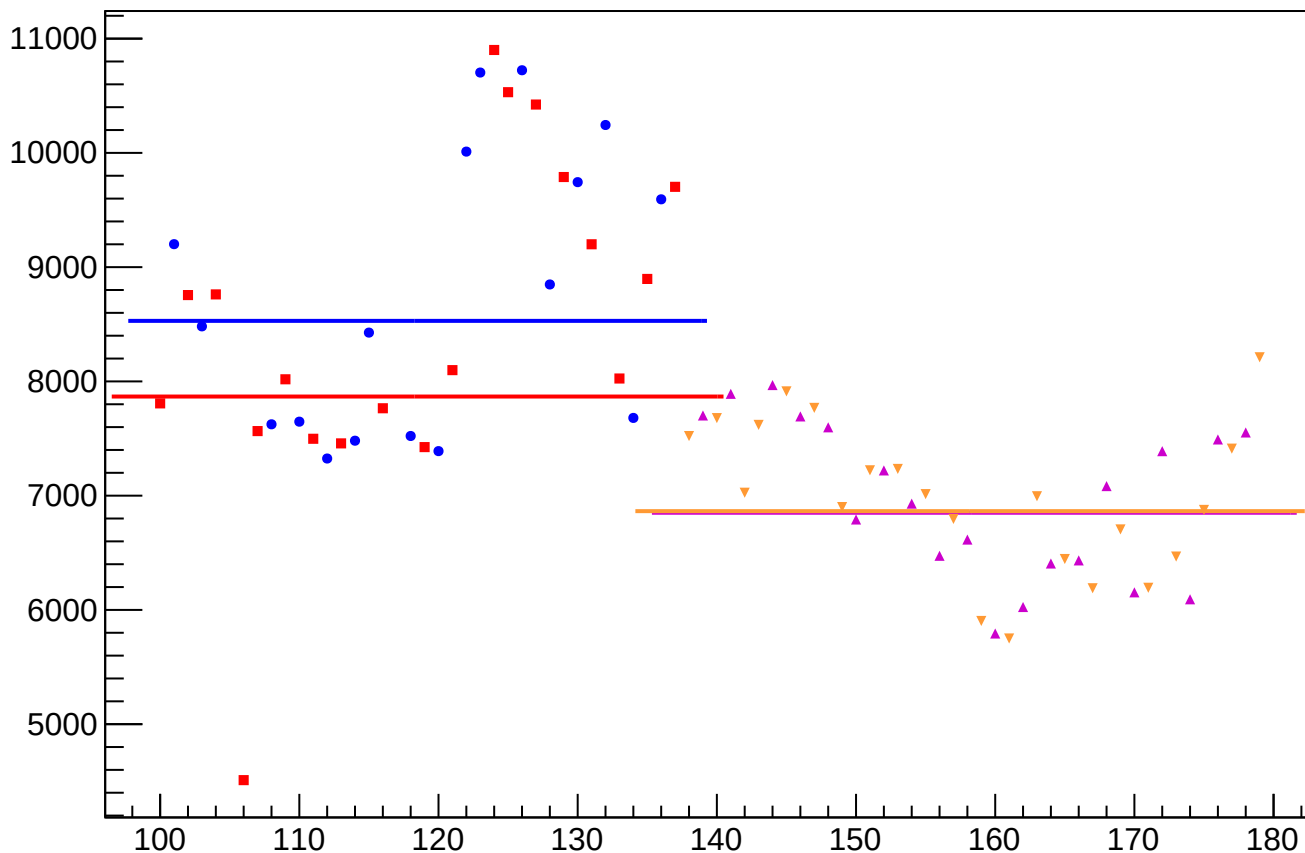
Left In: 8.858 ± 1.762 χ^2/NDF : 21.3/19

+ sign 0.324 ± 1.514 χ^2/NDF : 152.4/38

All: 2.168 ± 1.073 χ^2/NDF : 234.9/77

- sign 4.026 ± 1.520 χ^2/NDF : 79.6/38

diff_bpm0l10X_rms vs Slug



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

Left Out: 6864.400+/-1.203 χ^2/NDF : 300215.8/21

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

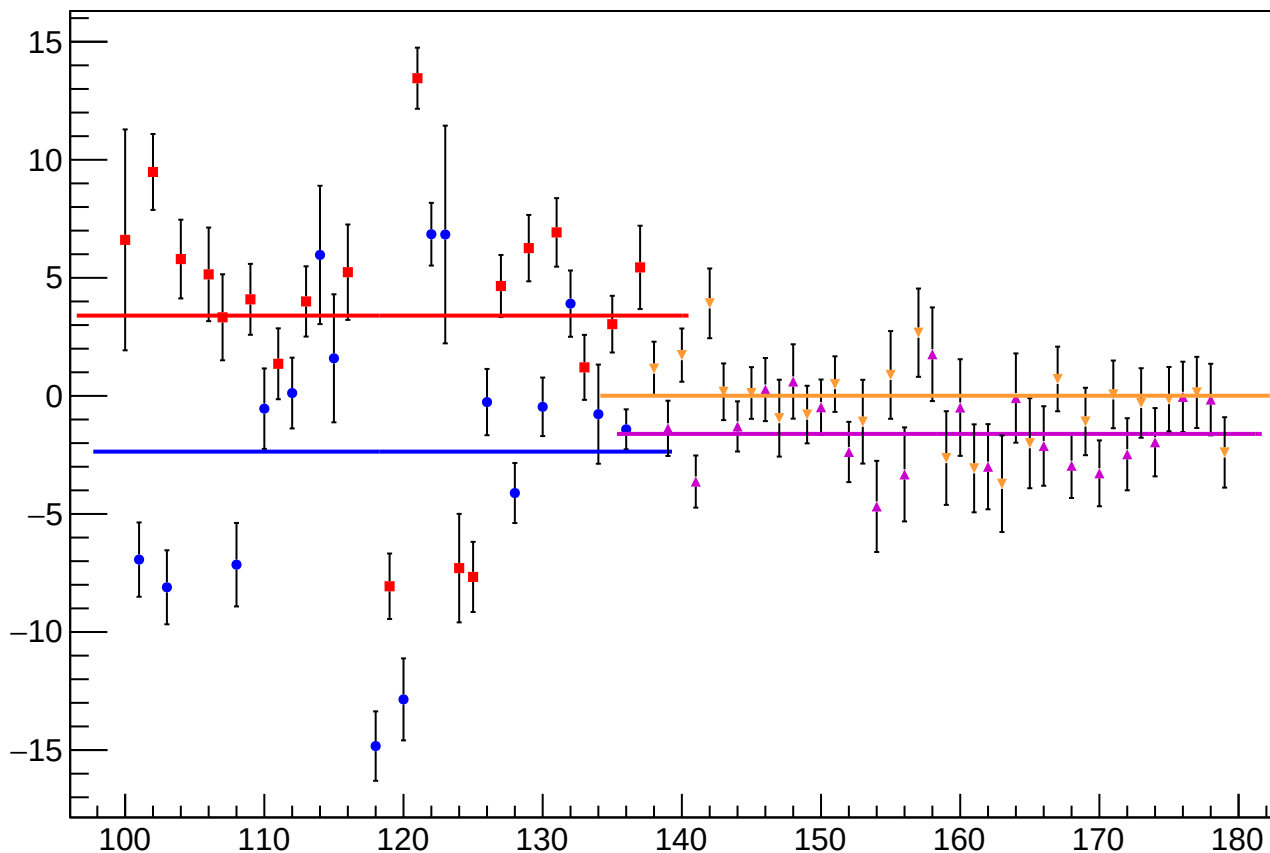
Left In: 6850.397+/-1.246 χ^2/NDF : 292804.0/19

+ sign 7211.217+/-1.071 χ^2/NDF : 907410.5/38

All: 7160.927+/-0.759 χ^2/NDF : 1930805.3/77

- sign 7110.247+/-1.075 χ^2/NDF : 1018966.0/38

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.007 ± 0.306 χ^2/NDF : 26.4/21

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

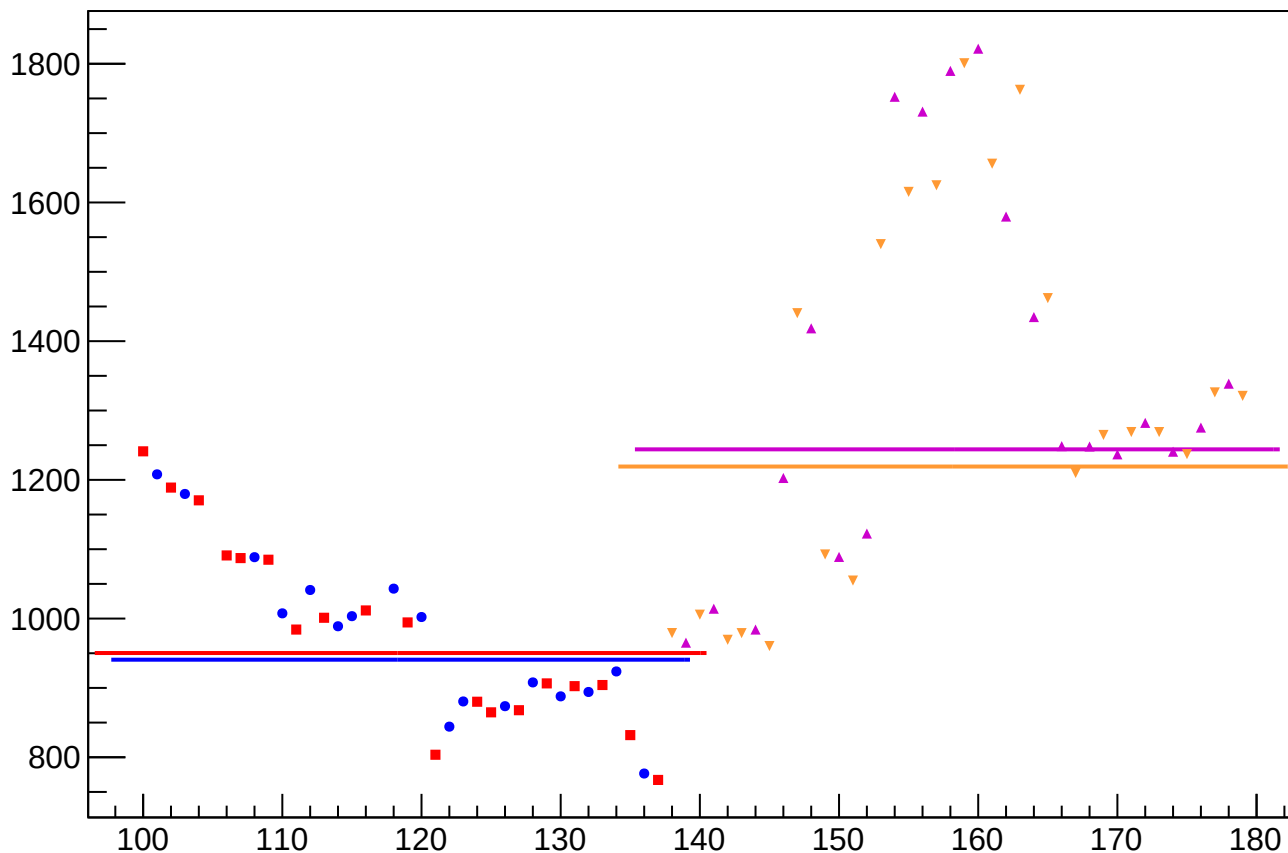
Left In: -1.609 ± 0.324 χ^2/NDF : 21.3/19

+ sign -0.969 ± 0.235 χ^2/NDF : 283.1/38

All: -0.181 ± 0.168 χ^2/NDF : 676.6/77

- sign 0.644 ± 0.240 χ^2/NDF : 370.4/38

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1219.228 $\pm$ 0.217 χ^2 /NDF: 1239173.3/21

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

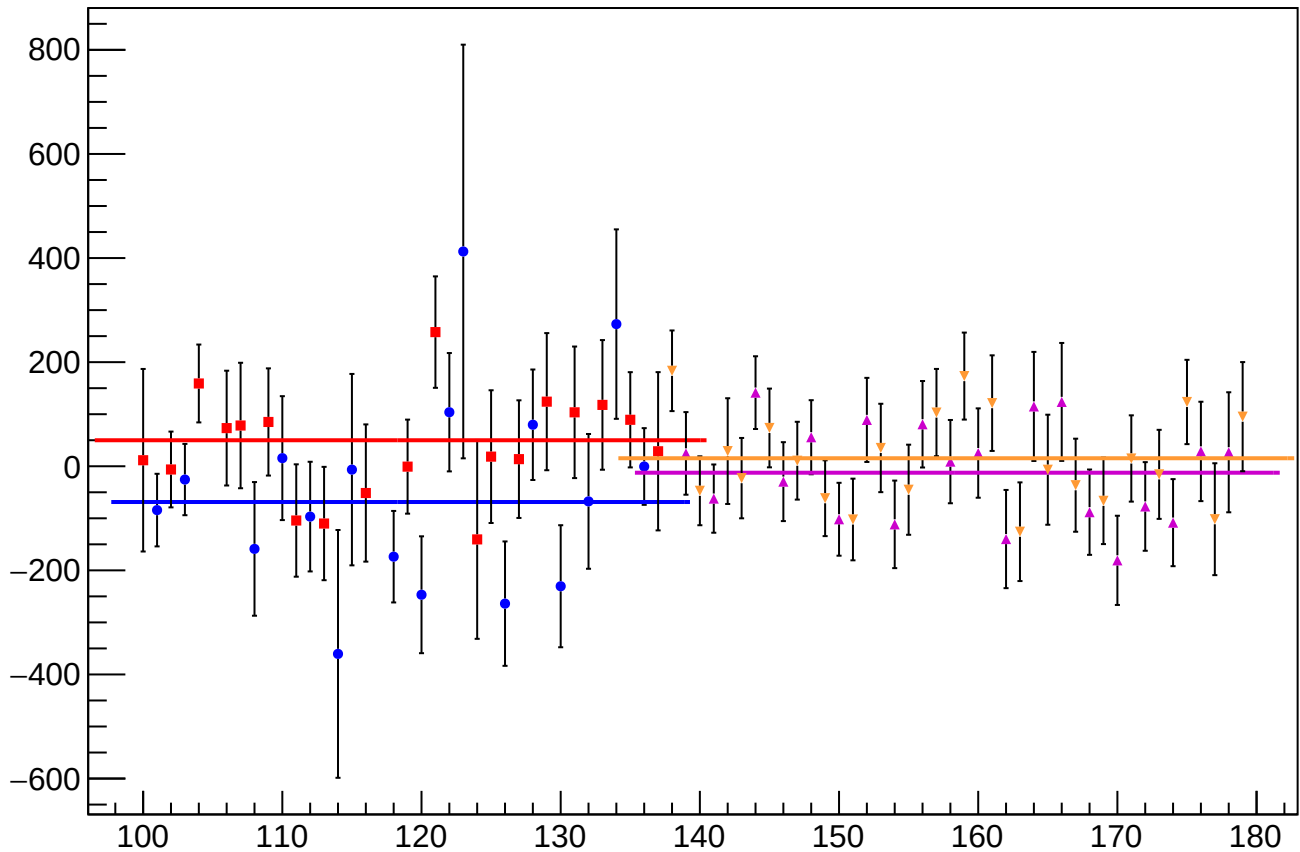
Left In: 1244.000 $\pm$ 0.229 χ^2 /NDF: 1068192.7/19

+ sign 1104.362 $\pm$ 0.166 χ^2 /NDF: 2163327.8/38

All: 1108.063 $\pm$ 0.119 χ^2 /NDF: 4193105.3/77

- sign 1111.937 $\pm$ 0.170 χ^2 /NDF: 2028760.3/38

diff_bpm0r03X_mean vs Slug



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

Left Out: 15.392 ± 17.893 χ^2/NDF : 23.6/21

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

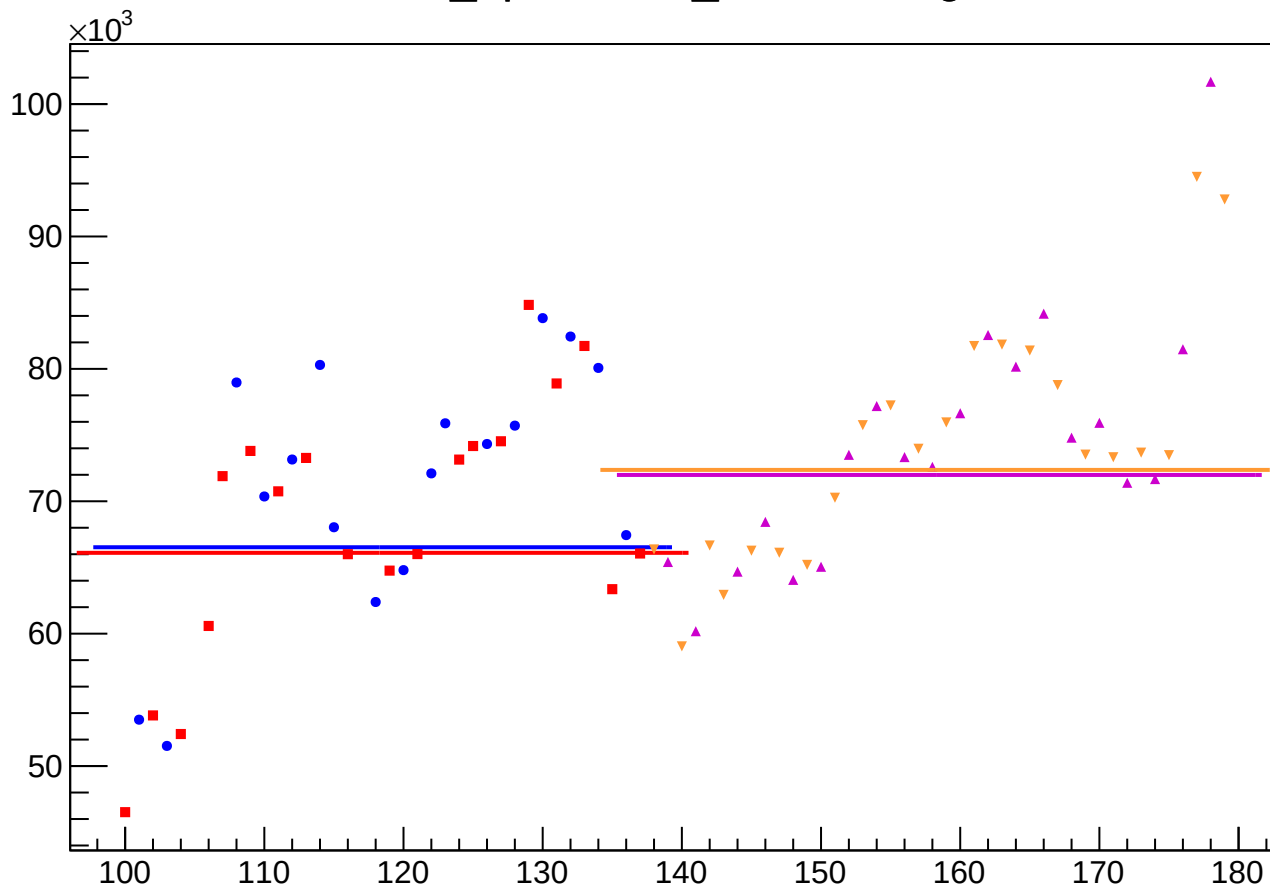
Left In: -12.412 ± 18.458 χ^2/NDF : 24.4/19

+ sign -11.707 ± 14.730 χ^2/NDF : 52.5/38

All: -1.158 ± 10.459 χ^2/NDF : 95.9/77

- sign 9.569 ± 14.853 χ^2/NDF : 42.4/38

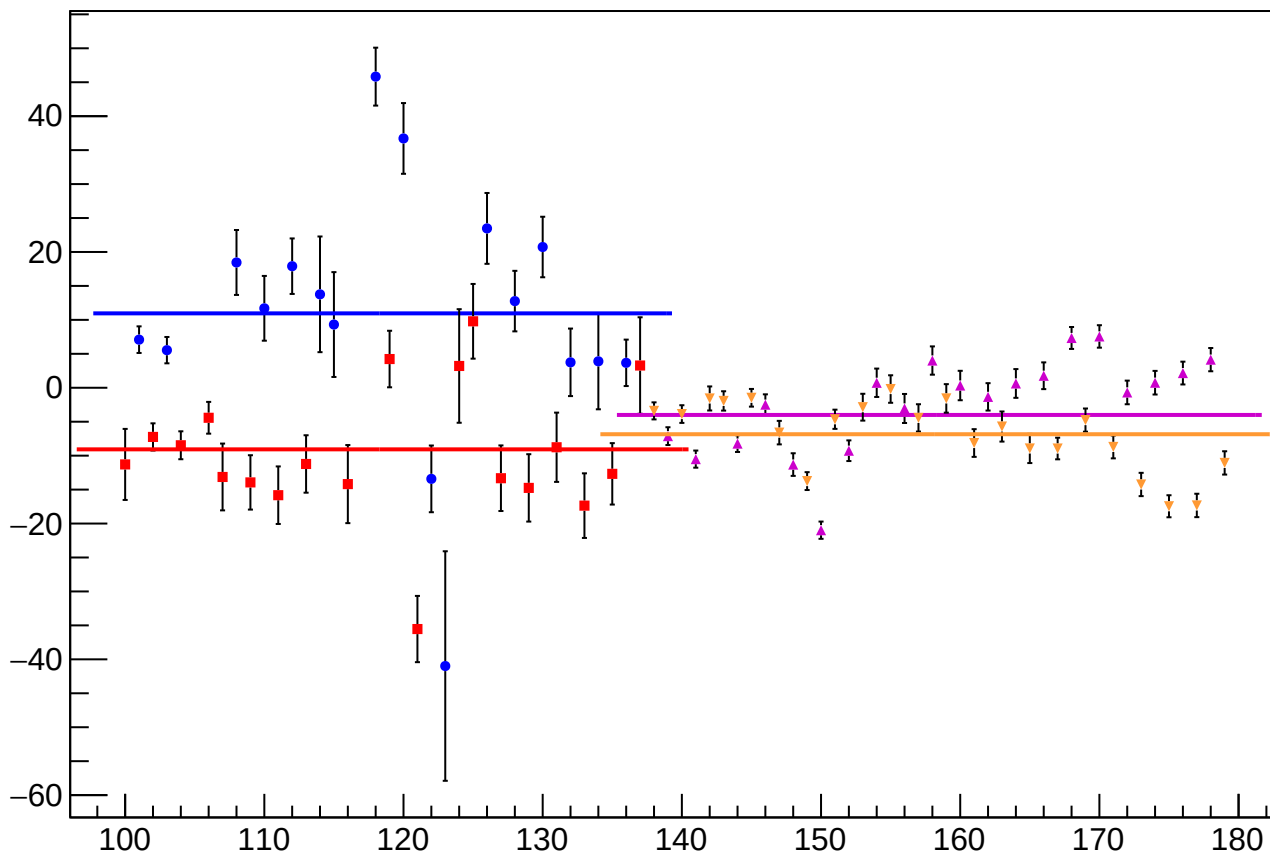
diff_bpm0r03X_rms vs Slug



Right In: 66527.251 ± 18.347 $\chi^2/\text{NDF}: 320887.2/16$
 Left Out: 72368.945 ± 12.652 $\chi^2/\text{NDF}: 418801.9/21$
 Right Out: 66105.849 ± 17.692 $\chi^2/\text{NDF}: 298485.4/18$
 Left In: 71988.301 ± 13.052 $\chi^2/\text{NDF}: 383674.2/19$

+ sign 70486.150 ± 10.416 $\chi^2/\text{NDF}: 808396.8/38$
 All: 70203.017 ± 7.396 $\chi^2/\text{NDF}: 1563639.6/7$
 - sign 69915.128 ± 10.503 $\chi^2/\text{NDF}: 753752.5/38$

diff_bpm0r03Y_mean vs Slug



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

Left Out: -6.844 ± 0.350 χ^2/NDF : 213.6/21

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

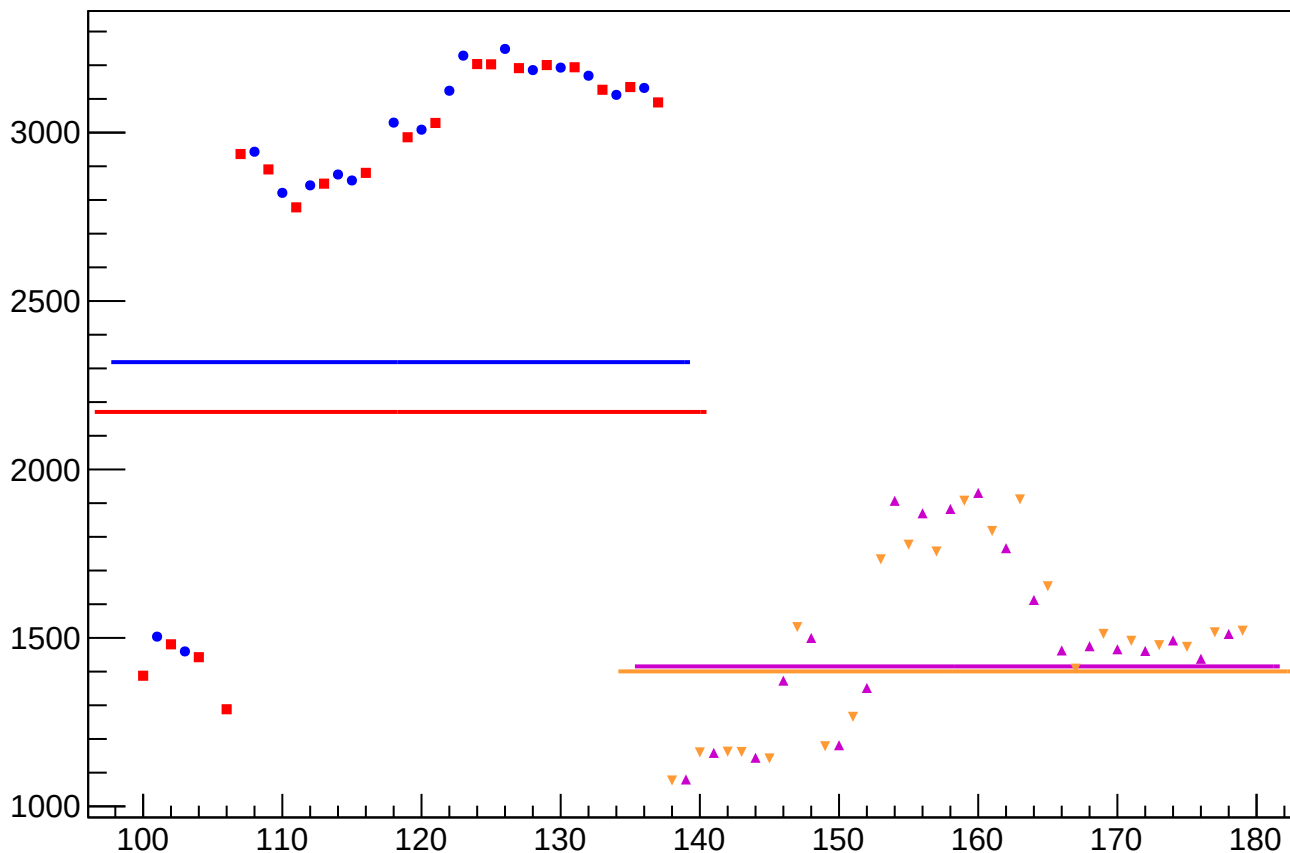
Left In: -4.004 ± 0.367 χ^2/NDF : 439.2/19

+ sign -4.688 ± 0.328 χ^2/NDF : 687.6/38

All: -4.730 ± 0.235 χ^2/NDF : 1228.9/77

- sign -4.774 ± 0.338 χ^2/NDF : 541.3/38

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1400.618+/-0.248 χ^2/NDF : 1022654.1/21

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

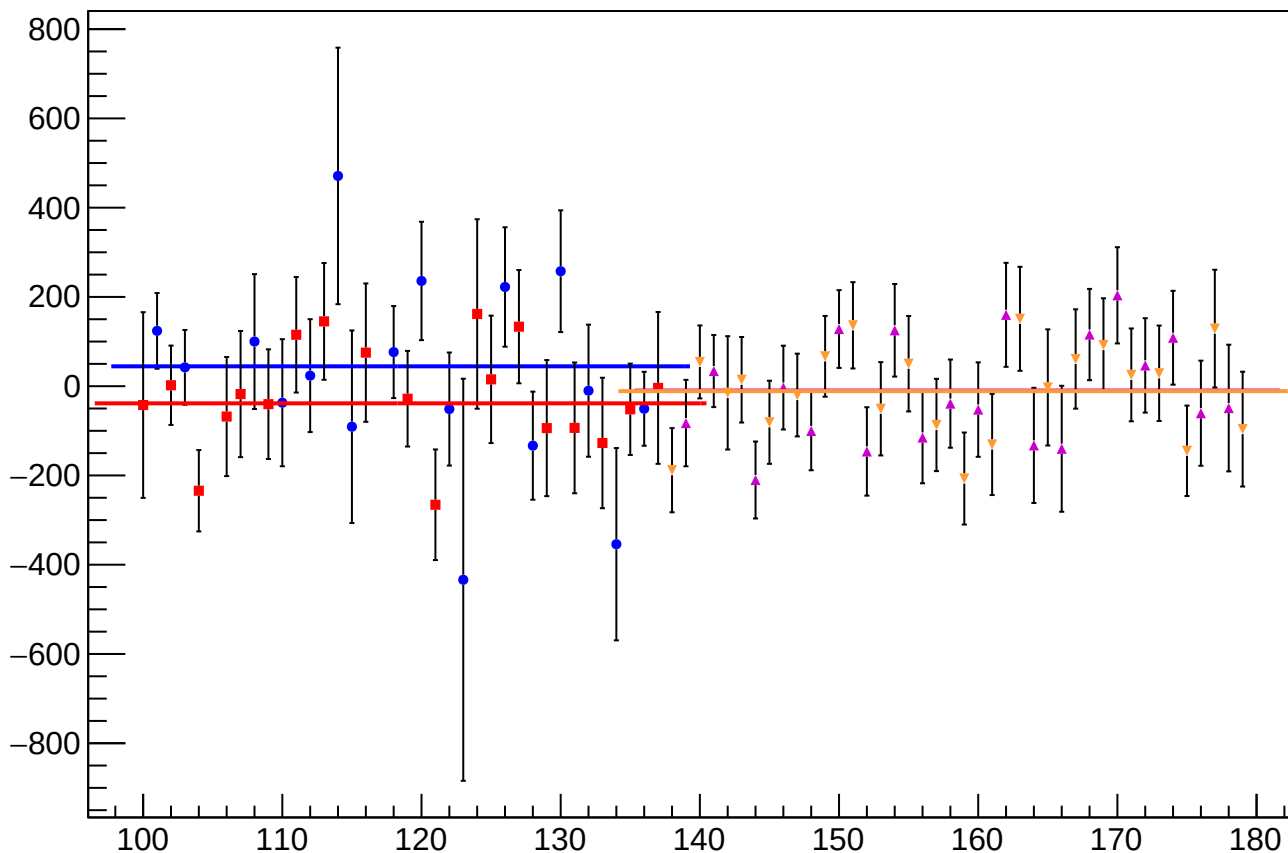
Left In: 1415.420+/-0.259 χ^2/NDF : 898907.6/19

+ sign 1511.815+/-0.232 χ^2/NDF : 4096107.0/38

All: 1520.764+/-0.166 χ^2/NDF : 8041080.2/77

- sign 1530.239+/-0.239 χ^2/NDF : 3941913.2/38

diff_bpm0r05X_mean vs Slug



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

Left Out: -11.074 ± 22.150 χ^2/NDF : 20.5/21

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

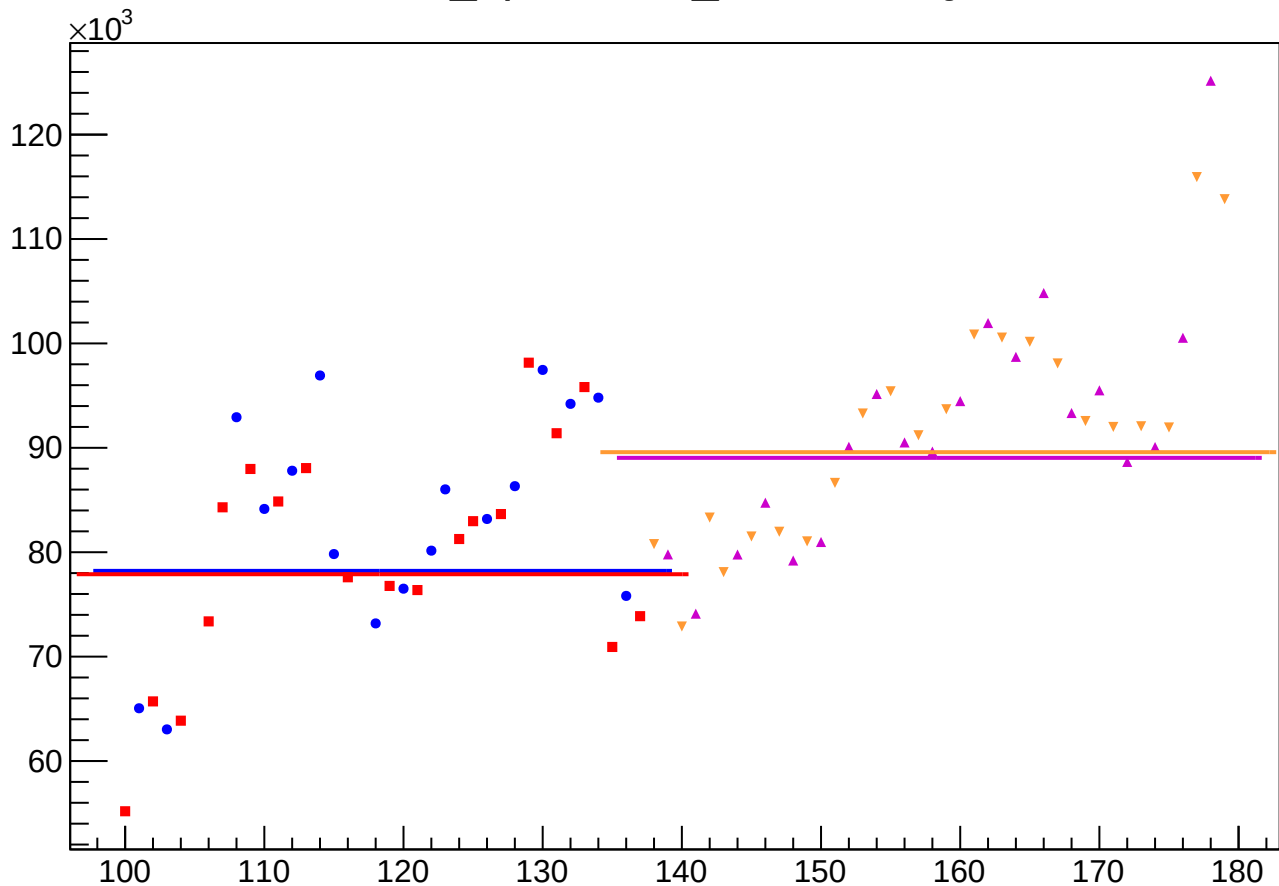
Left In: -9.751 ± 22.834 χ^2/NDF : 25.8/19

+ sign 8.167 ± 17.909 χ^2/NDF : 41.8/38

All: -6.072 ± 12.710 χ^2/NDF : 85.2/77

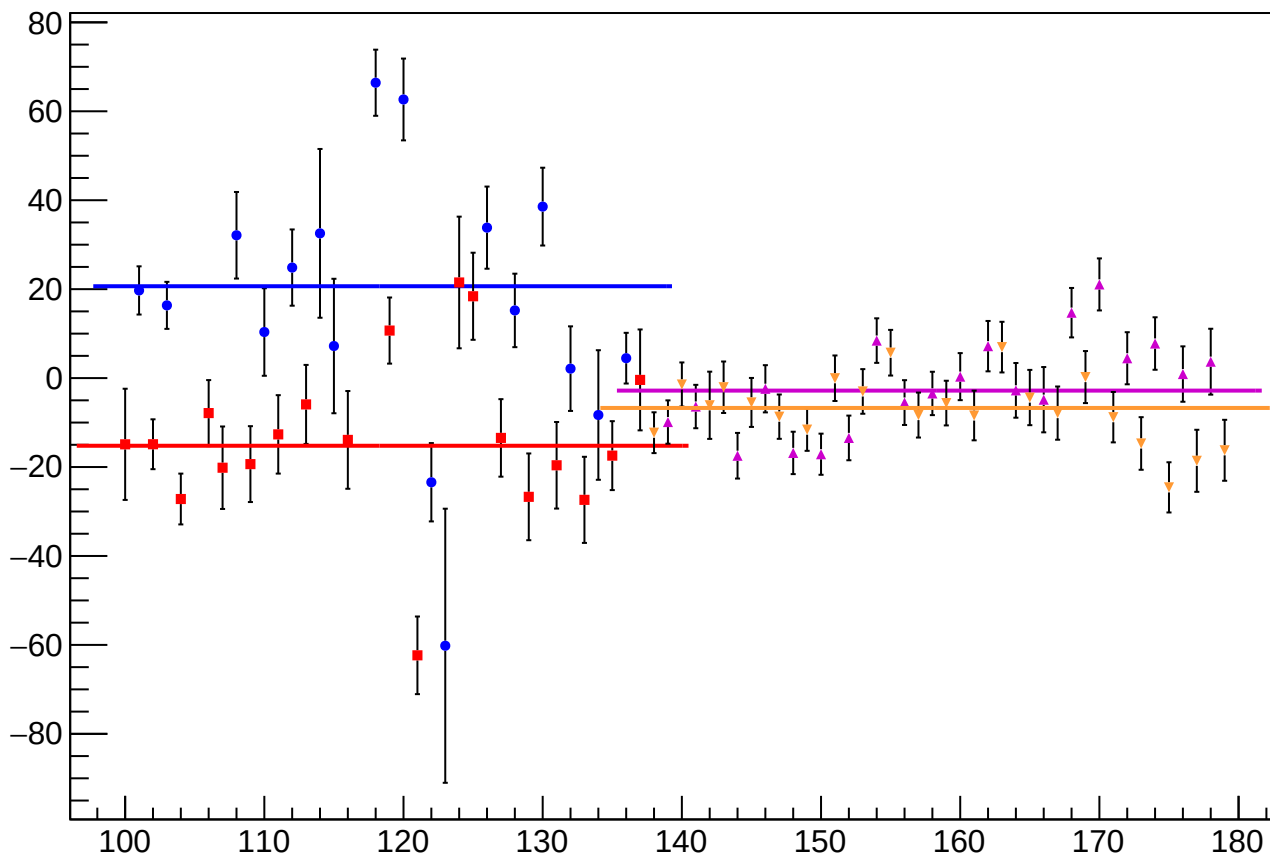
- sign -20.524 ± 18.042 χ^2/NDF : 42.2/38

diff_bpm0r05X_rms vs Slug



Right In: 78213.025 $\pm$ 21.519	χ^2 /NDF: 251056.7/16	+ sign 85645.327 $\pm$ 12.663	χ^2 /NDF: 846536.5/38
Left Out: 89582.818 $\pm$ 15.662	χ^2 /NDF: 412984.6/21	All: 85251.417 $\pm$ 8.987	χ^2 /NDF: 1663775.3/7
Right Out: 77891.938 $\pm$ 20.814	χ^2 /NDF: 246970.2/18	- sign 84851.615 $\pm$ 12.758	χ^2 /NDF: 815289.2/38
Left In: 89039.894 $\pm$ 16.146	χ^2 /NDF: 389222.9/19		

diff_bpm0r05Y_mean vs Slug



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

Left Out: -6.714 ± 1.173 χ^2/NDF : 37.0/21

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

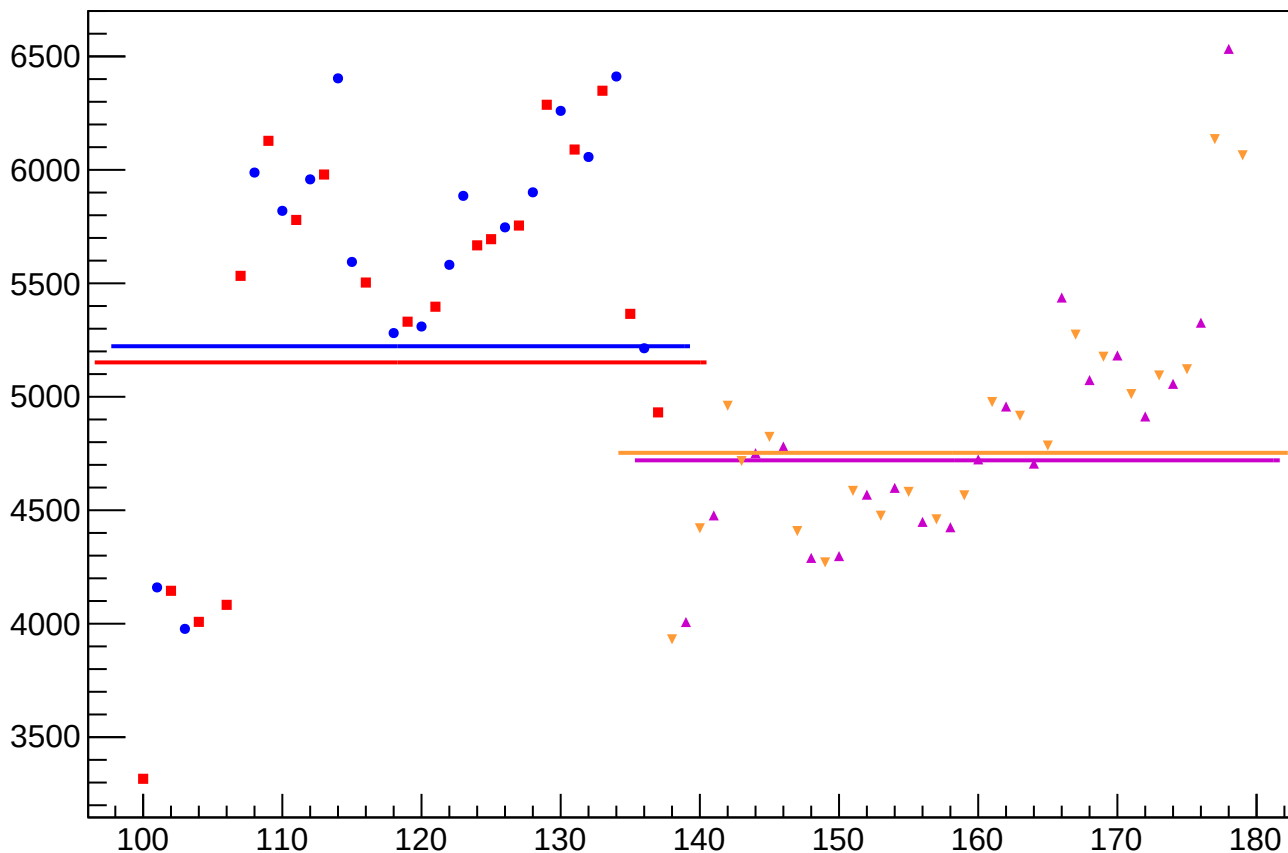
Left In: -2.813 ± 1.209 χ^2/NDF : 74.9/19

+ sign 0.112 ± 1.017 χ^2/NDF : 290.4/38

All: -3.030 ± 0.723 χ^2/NDF : 485.0/77

- sign -6.243 ± 1.028 χ^2/NDF : 175.3/38

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4753.020 $\pm$ 0.830 χ^2 /NDF: 326704.1/21

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

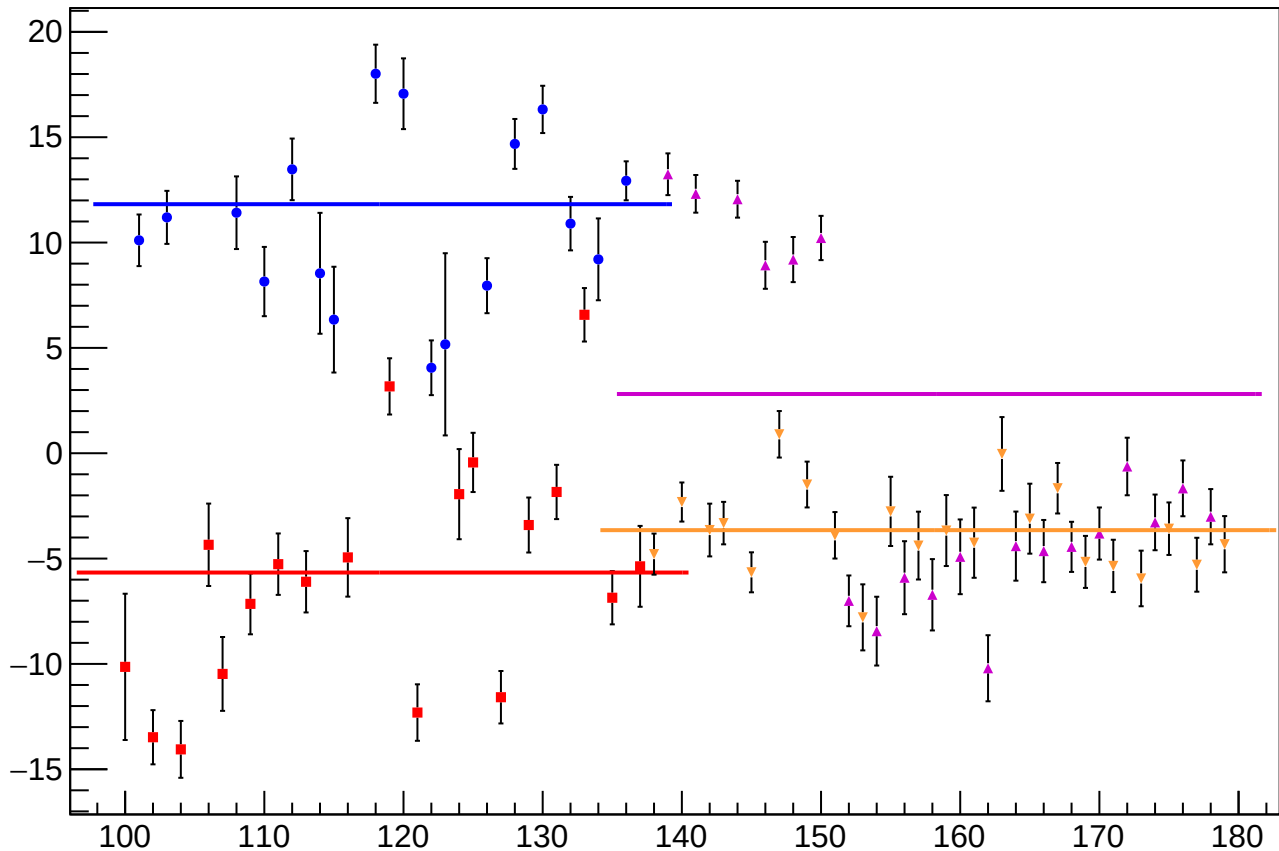
Left In: 4719.923 $\pm$ 0.855 χ^2 /NDF: 287785.6/19

+ sign 4870.169 $\pm$ 0.719 χ^2 /NDF: 719124.7/38

All: 4854.896 $\pm$ 0.511 χ^2 /NDF: 1466052.2/77

- sign 4839.283 $\pm$ 0.727 χ^2 /NDF: 746014.8/38

diff_bpm2i01X_mean vs Slug



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

Left Out: -3.651 ± 0.264 $\chi^2/\text{NDF}: 52.0/21$

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

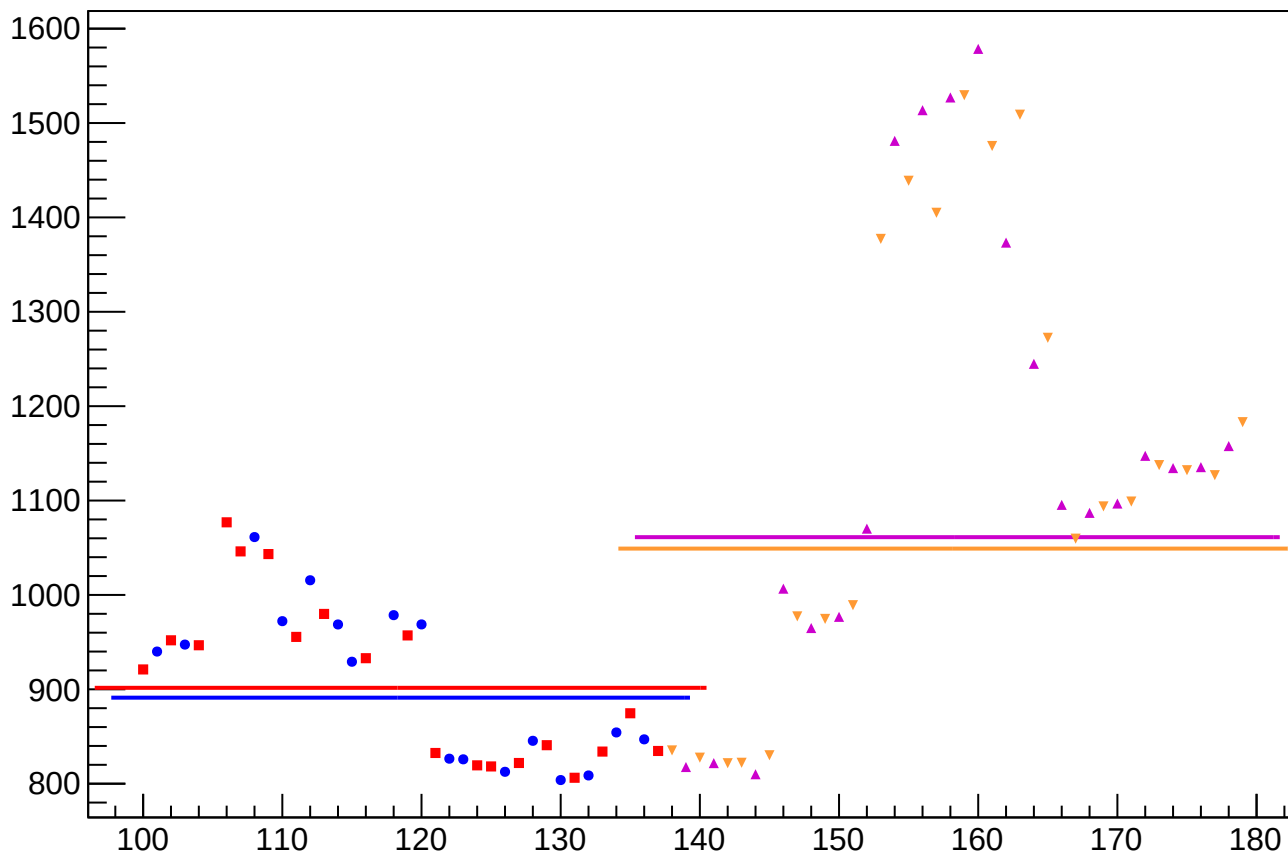
Left In: 2.811 ± 0.276 $\chi^2/\text{NDF}: 879.1/19$

+ sign 2.062 ± 0.209 $\chi^2/\text{NDF}: 1441.2/38$

All: 0.771 ± 0.150 $\chi^2/\text{NDF}: 3074.3/77$

- sign -0.581 ± 0.214 $\chi^2/\text{NDF}: 1555.2/38$

diff_bpm2i01X_rms vs Slug



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

Left Out: 1049.103+/-0.186 χ^2/NDF :1325172.3/21

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

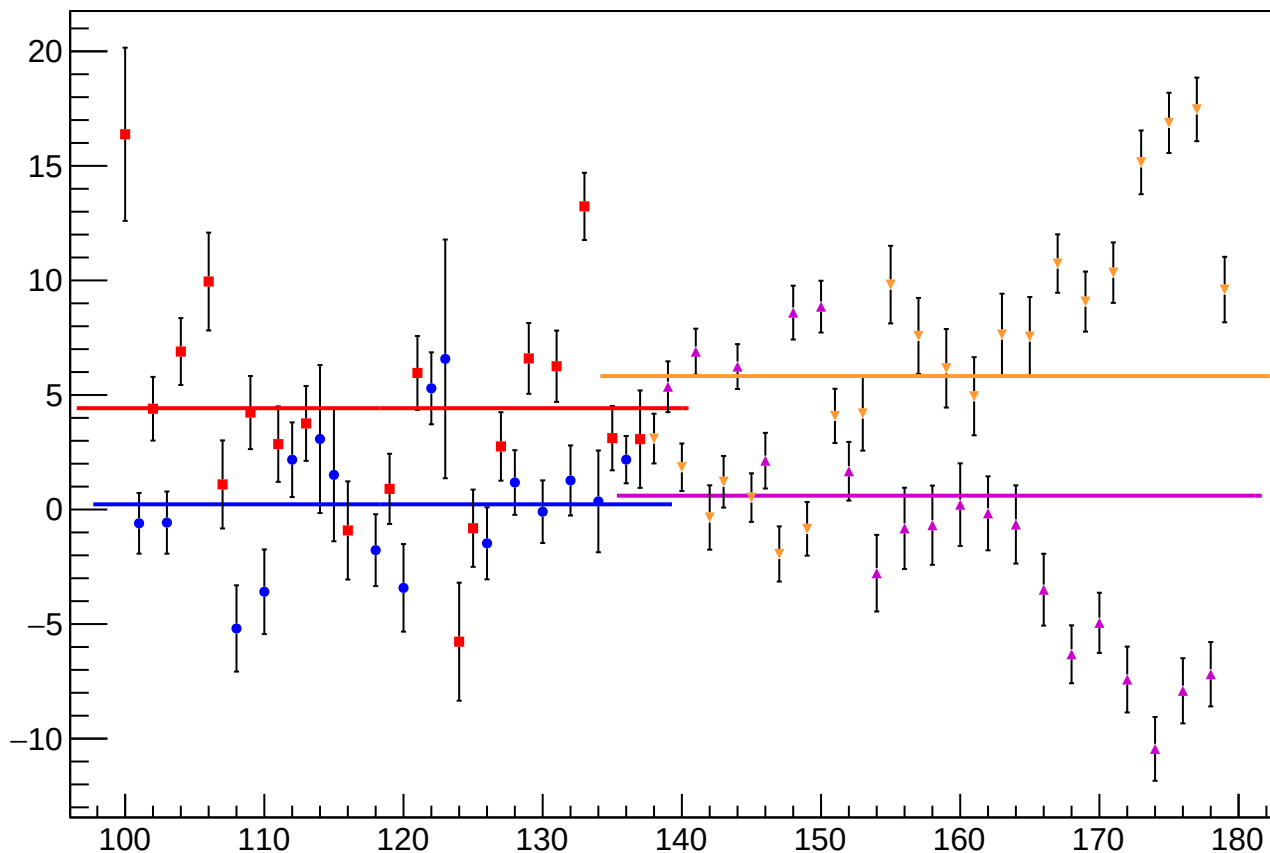
Left In: 1061.209+/-0.196 χ^2/NDF :1192742.5/19

+ sign 990.772+/-0.148 χ^2/NDF : 1692015.2/38

All: 993.973+/-0.106 χ^2/NDF : 3267088.0/77

- sign 997.322+/-0.151 χ^2/NDF : 1574116.1/38

diff_bpm2i01Y_mean vs Slug



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

Left Out: 5.824 ± 0.284 χ^2/NDF : 394.1/21

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

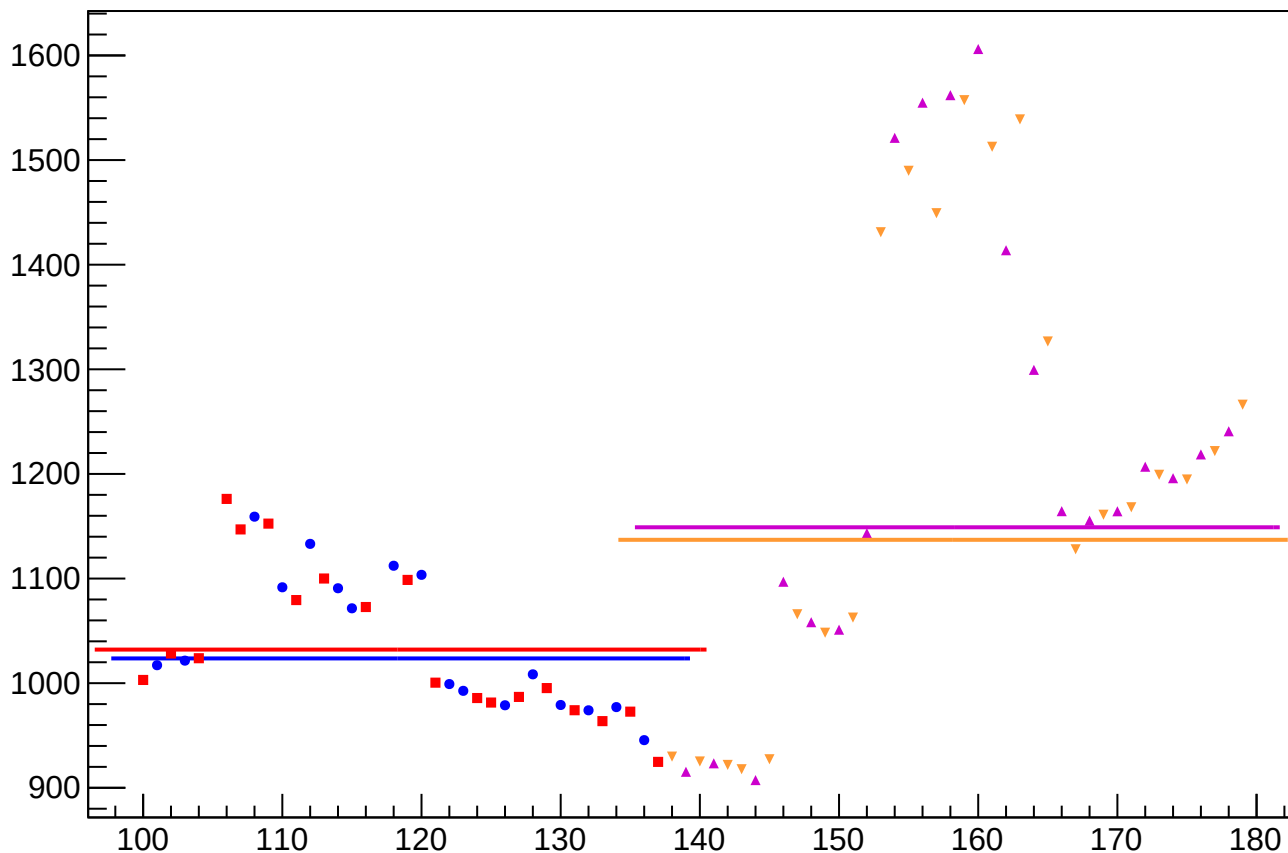
Left In: 0.604 ± 0.298 χ^2/NDF : 414.0/19

+ sign 3.917 ± 0.231 χ^2/NDF : 565.1/38

All: 2.992 ± 0.165 χ^2/NDF : 1176.6/77

- sign 2.024 ± 0.236 χ^2/NDF : 578.5/38

diff_bpm2i01Y_rms vs Slug



Right In: 1023.655 $\pm$ 0.279 χ^2 /NDF: 52373.8/16

Left Out: 1137.029 $\pm$ 0.201 χ^2 /NDF: 983763.6/21

Right Out: 1032.107 $\pm$ 0.273 χ^2 /NDF: 59391.6/18

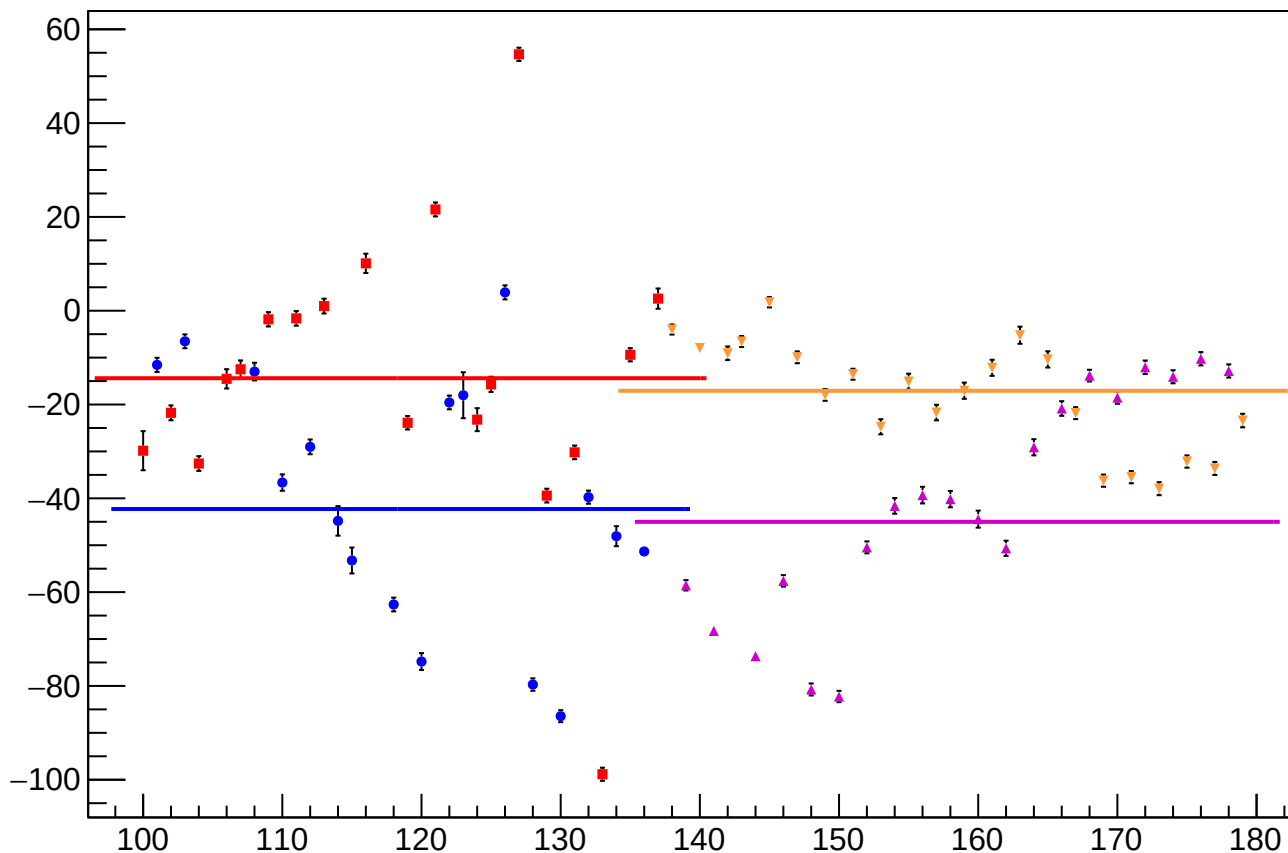
Left In: 1149.000 $\pm$ 0.210 χ^2 /NDF: 876979.6/19

+ sign 1098.396 $\pm$ 0.163 χ^2 /NDF: 1144764.7/38

All: 1101.883 $\pm$ 0.117 χ^2 /NDF: 2196853.1/77

- sign 1105.531 $\pm$ 0.167 χ^2 /NDF: 1051152.2/38

diff_bpm2i02X_mean vs Slug



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

Left Out: -17.072 ± 0.288 χ^2/NDF : 1714.2/21

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

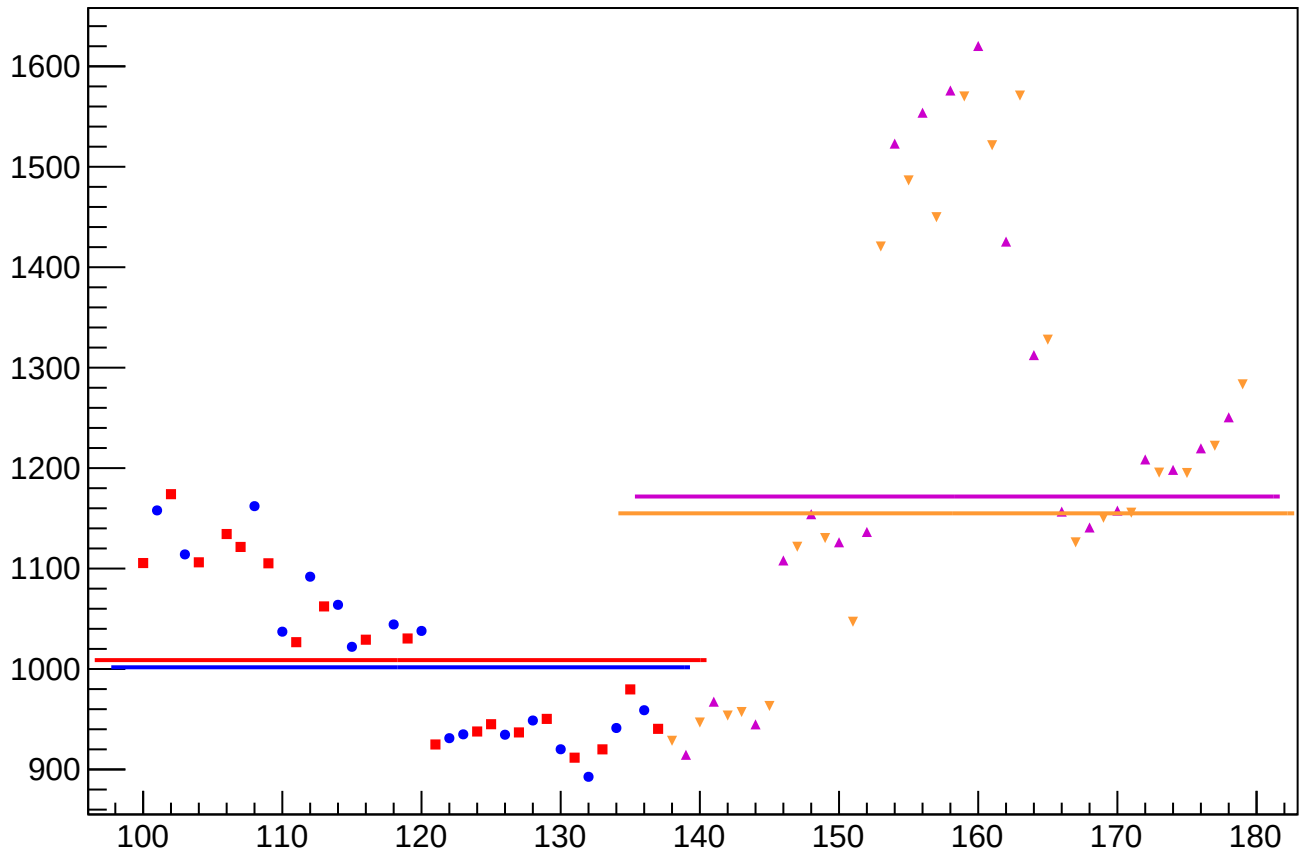
Left In: -45.011 ± 0.303 χ^2/NDF : 6795.8/19

+ sign -26.056 ± 0.231 χ^2/NDF : 9569.6/38

All: -29.473 ± 0.165 χ^2/NDF : 28471.3/77

- sign -33.052 ± 0.237 χ^2/NDF : 18454.2/38

diff_bpm2i02X_rms vs Slug



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

Left Out: 1154.981 $\pm$ 0.204 χ^2 /NDF: 889563.6/21

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

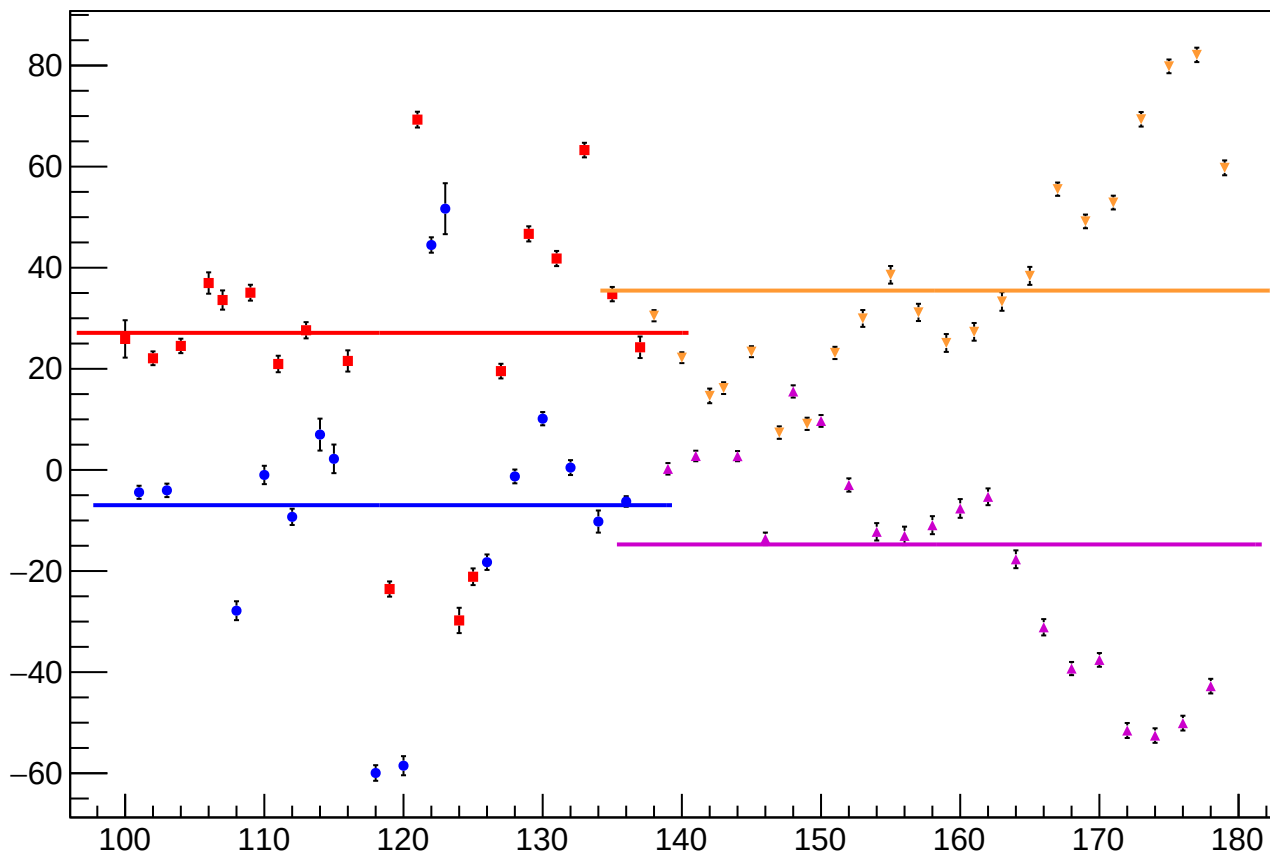
Left In: 1171.723 $\pm$ 0.214 χ^2 /NDF: 775265.2/19

+ sign 1100.350 $\pm$ 0.163 χ^2 /NDF: 1186819.7/38

All: 1104.137 $\pm$ 0.117 χ^2 /NDF: 2284267.4/77

- sign 1108.103 $\pm$ 0.167 χ^2 /NDF: 1096348.5/38

diff_bpm2i02Y_mean vs Slug



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

Left Out: 35.478 ± 0.292 χ^2/NDF : 5409.1/21

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

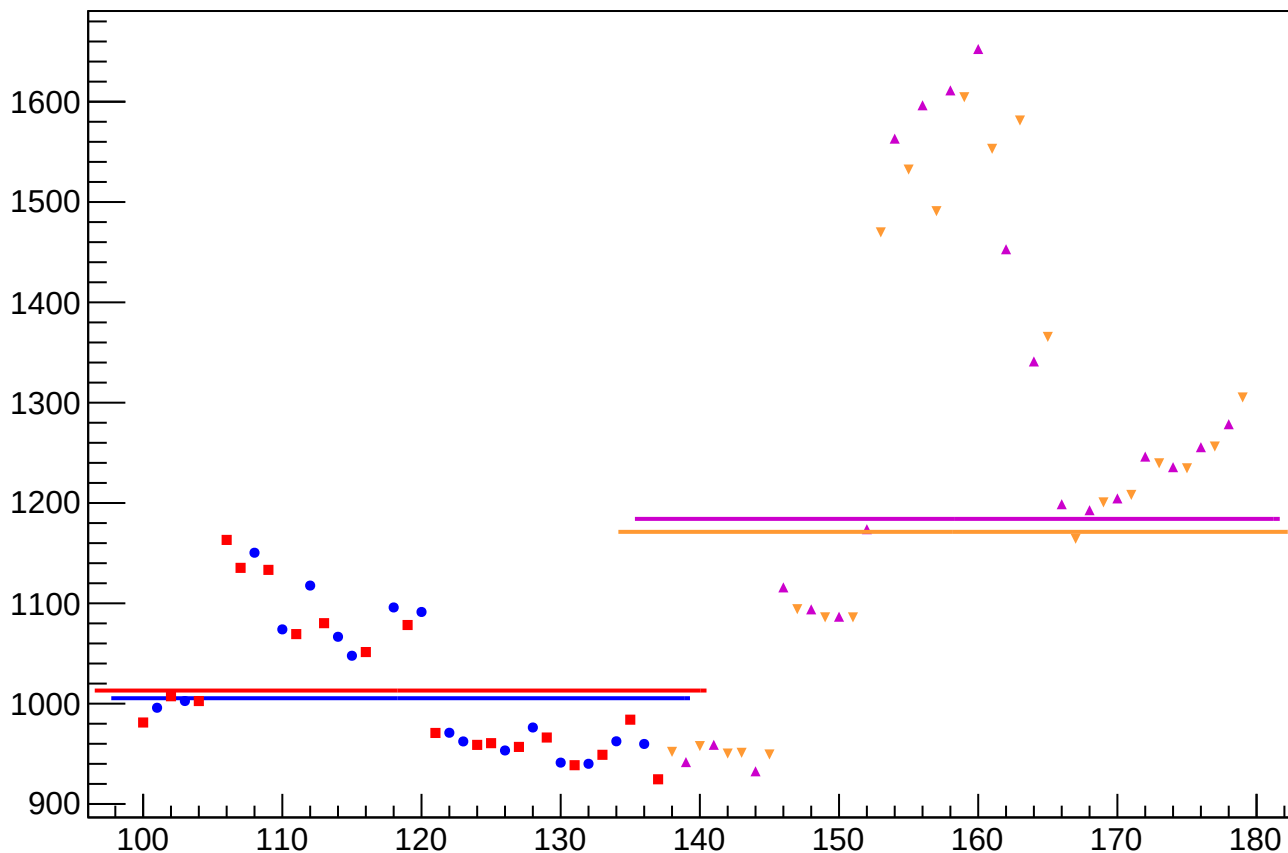
Left In: -14.741 ± 0.307 χ^2/NDF : 4951.3/19

+ sign 20.093 ± 0.234 χ^2/NDF : 16680.4/38

All: 11.131 ± 0.167 χ^2/NDF : 36281.8/77

- sign 1.784 ± 0.239 χ^2/NDF : 16593.2/38

diff_bpm2i02Y_rms vs Slug



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

Left Out: 1171.245 $\pm$ 0.207 χ^2 /NDF: 981245.8/21

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

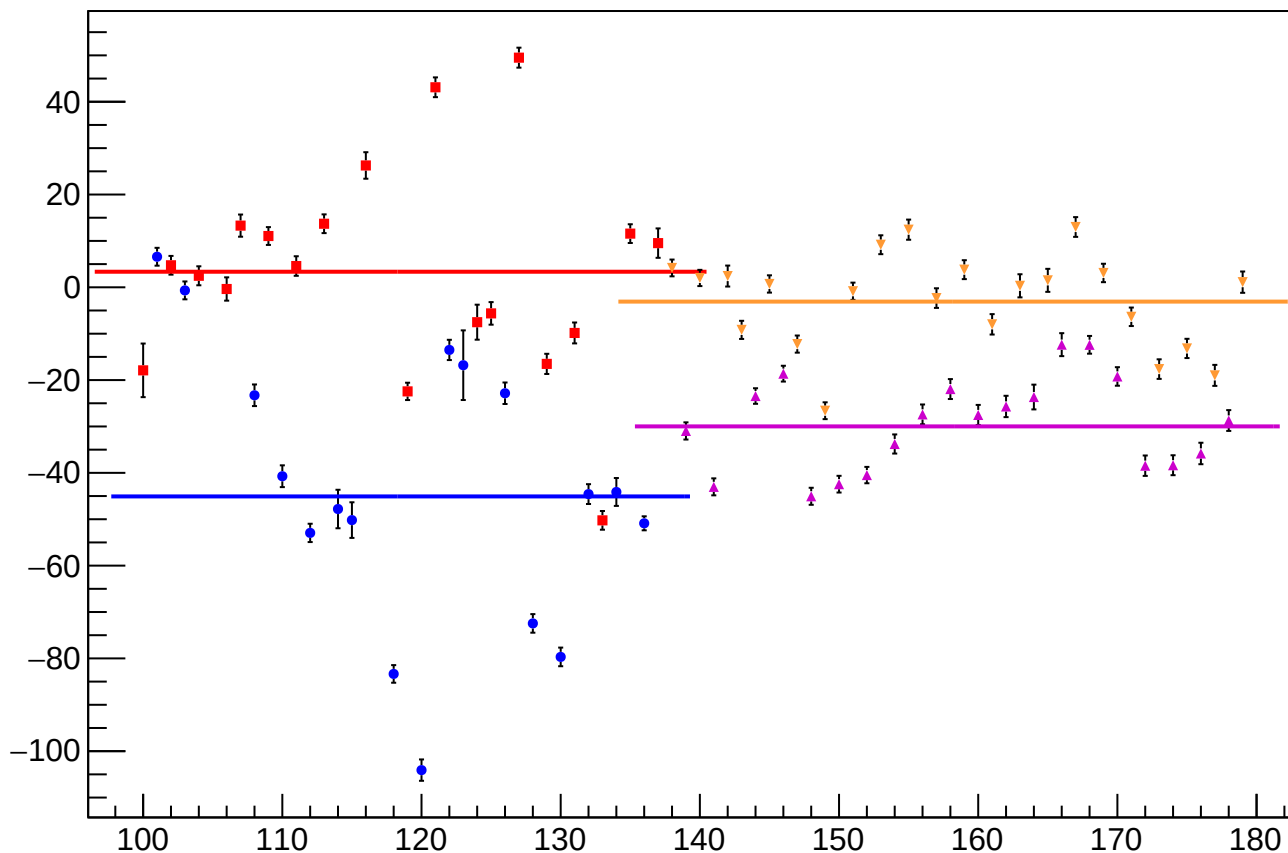
Left In: 1184.171 $\pm$ 0.217 χ^2 /NDF: 869905.7/19

+ sign 1111.145 $\pm$ 0.165 χ^2 /NDF: 1268838.7/38

All: 1113.824 $\pm$ 0.118 χ^2 /NDF: 2448487.2/77

- sign 1116.617 $\pm$ 0.169 χ^2 /NDF: 1179111.2/38

diff_bpm0i02X_mean vs Slug



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

Left Out: -3.082 ± 0.435 χ^2/NDF : 540.9/21

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

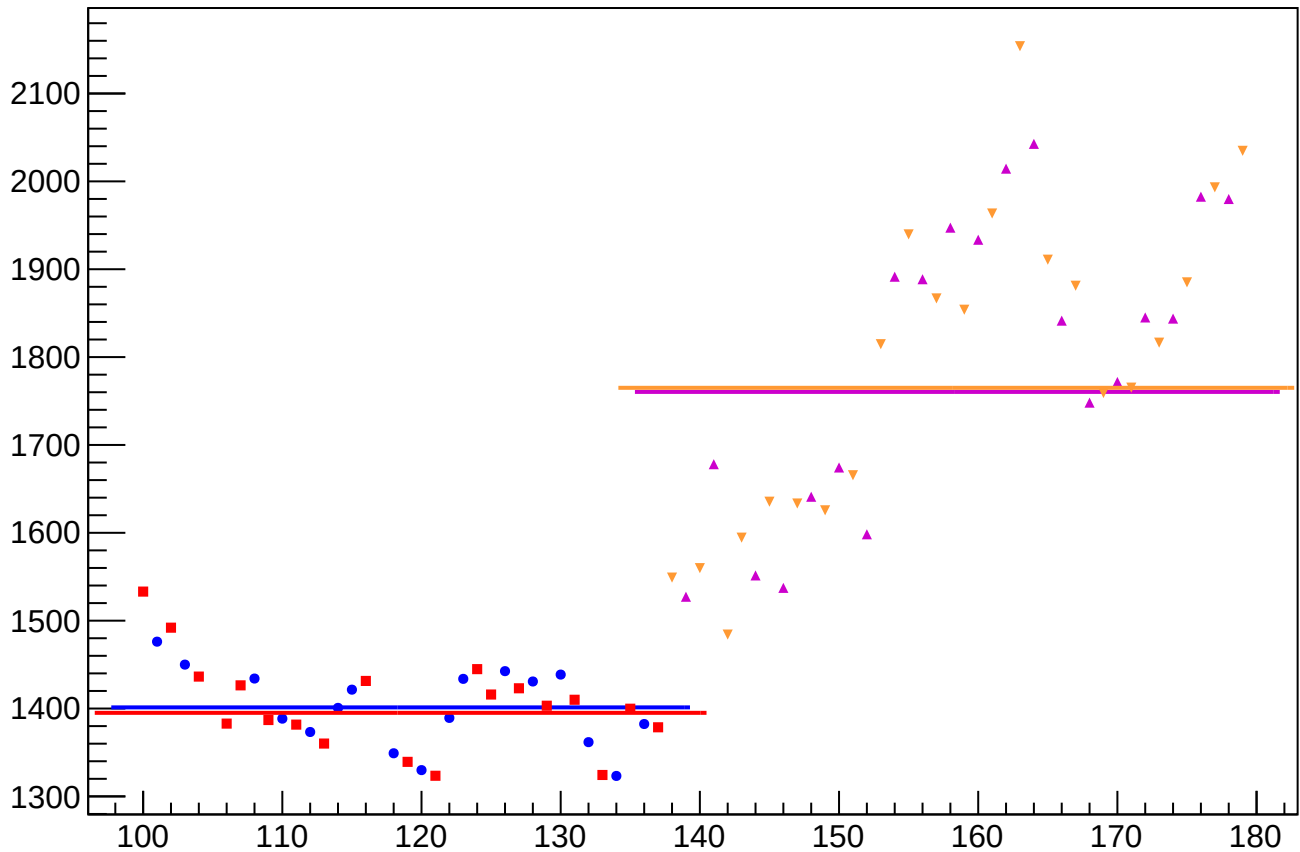
Left In: -29.984 ± 0.450 χ^2/NDF : 491.7/19

+ sign -19.632 ± 0.339 χ^2/NDF : 7448.5/38

All: -17.702 ± 0.240 χ^2/NDF : 12350.5/77

- sign -15.746 ± 0.341 χ^2/NDF : 4836.6/38

diff_bpm0i02X_rms vs Slug



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

Left Out: 1765.040+/-0.308 χ^2/NDF : 295696.7/21

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

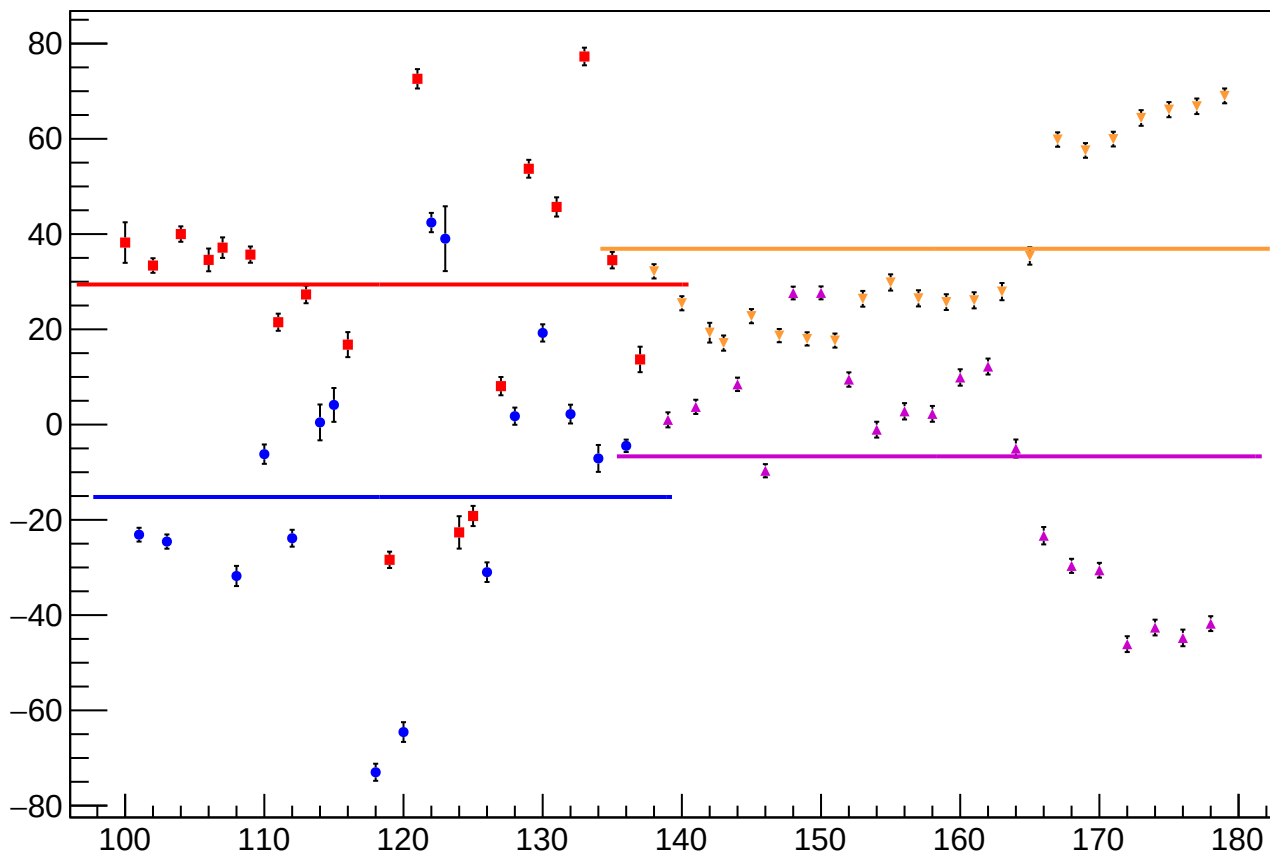
Left In: 1760.374+/-0.319 χ^2/NDF : 266896.2/19

+ sign 1621.710+/-0.240 χ^2/NDF : 859017.9/38

All: 1613.106+/-0.170 χ^2/NDF : 1705529.3/77

- sign 1604.390+/-0.241 χ^2/NDF : 843914.9/38

diff_bpm0i02Y_mean vs Slug



Right In: -15.202 ± 0.472 $\chi^2/\text{NDF}: 3362.5/16$

Left Out: 36.918 ± 0.340 $\chi^2/\text{NDF}: 3123.9/21$

Right Out: 29.418 ± 0.456 $\chi^2/\text{NDF}: 3544.8/18$

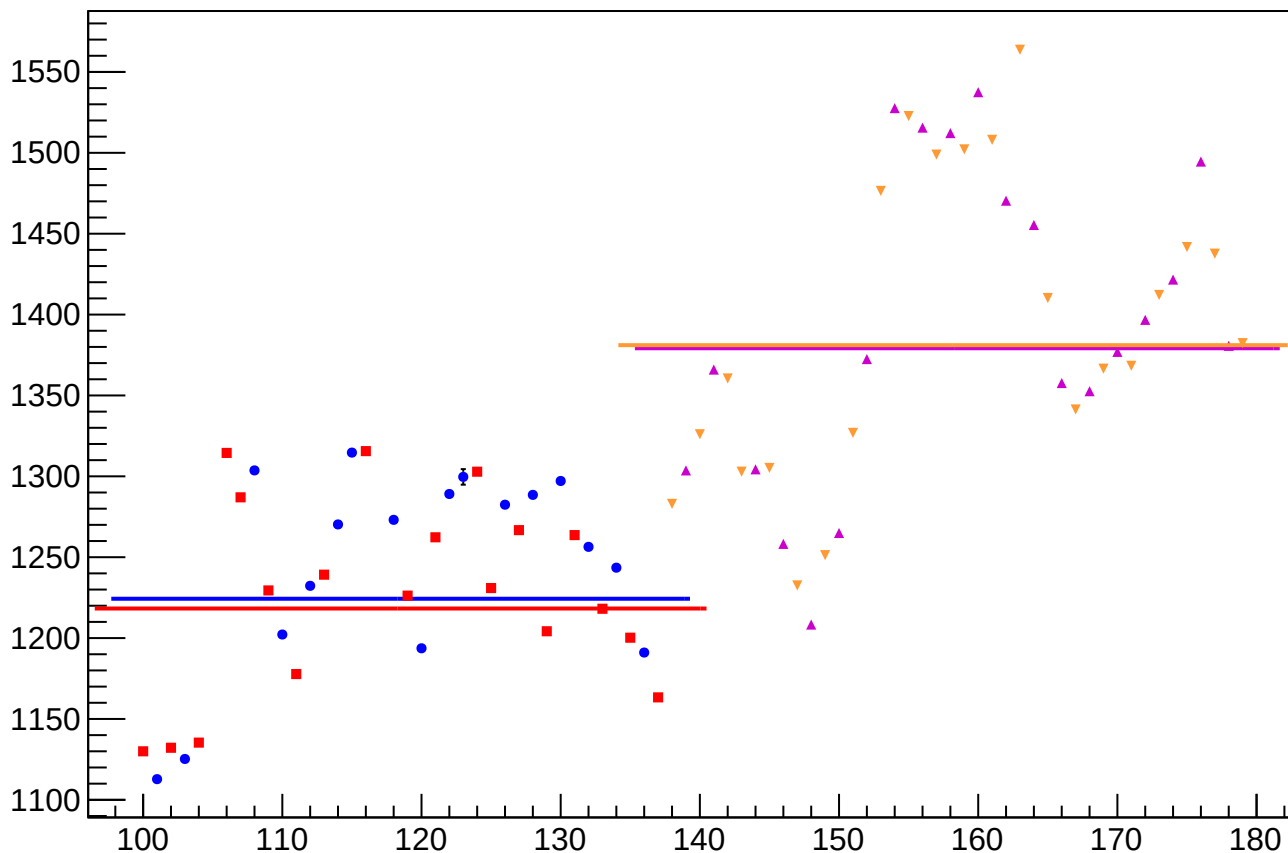
Left In: -6.670 ± 0.352 $\chi^2/\text{NDF}: 4463.0/19$

+ sign 19.133 ± 0.276 $\chi^2/\text{NDF}: 14515.0/38$

All: 13.032 ± 0.196 $\chi^2/\text{NDF}: 27434.3/77$

- sign 6.800 ± 0.279 $\chi^2/\text{NDF}: 11929.9/38$

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1381.092+/-0.240 χ^2 /NDF:144939.1/21

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

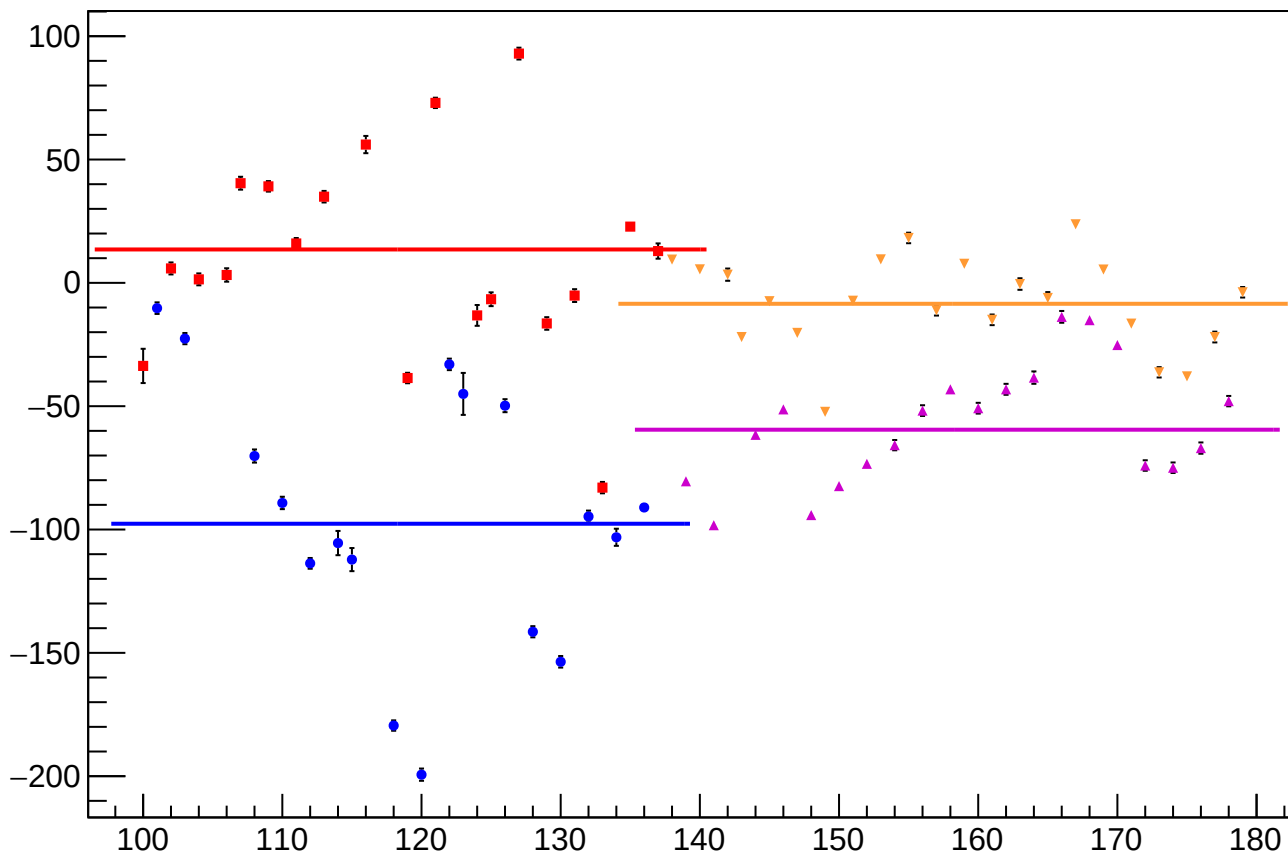
Left In: 1379.175+/-0.249 χ^2 /NDF:150606.2/19

+ sign 1327.597+/-0.195 χ^2 /NDF: 328998.3/38

All: 1323.401+/-0.139 χ^2 /NDF: 664041.0/77

- sign 1319.116+/-0.197 χ^2 /NDF: 334106.8/38

diff_bpm0i02aX_mean vs Slug



Right In: -97.657 ± 0.601 χ^2/NDF : 7936.6/16

Left Out: -8.485 ± 0.431 χ^2/NDF : 1916.8/21

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

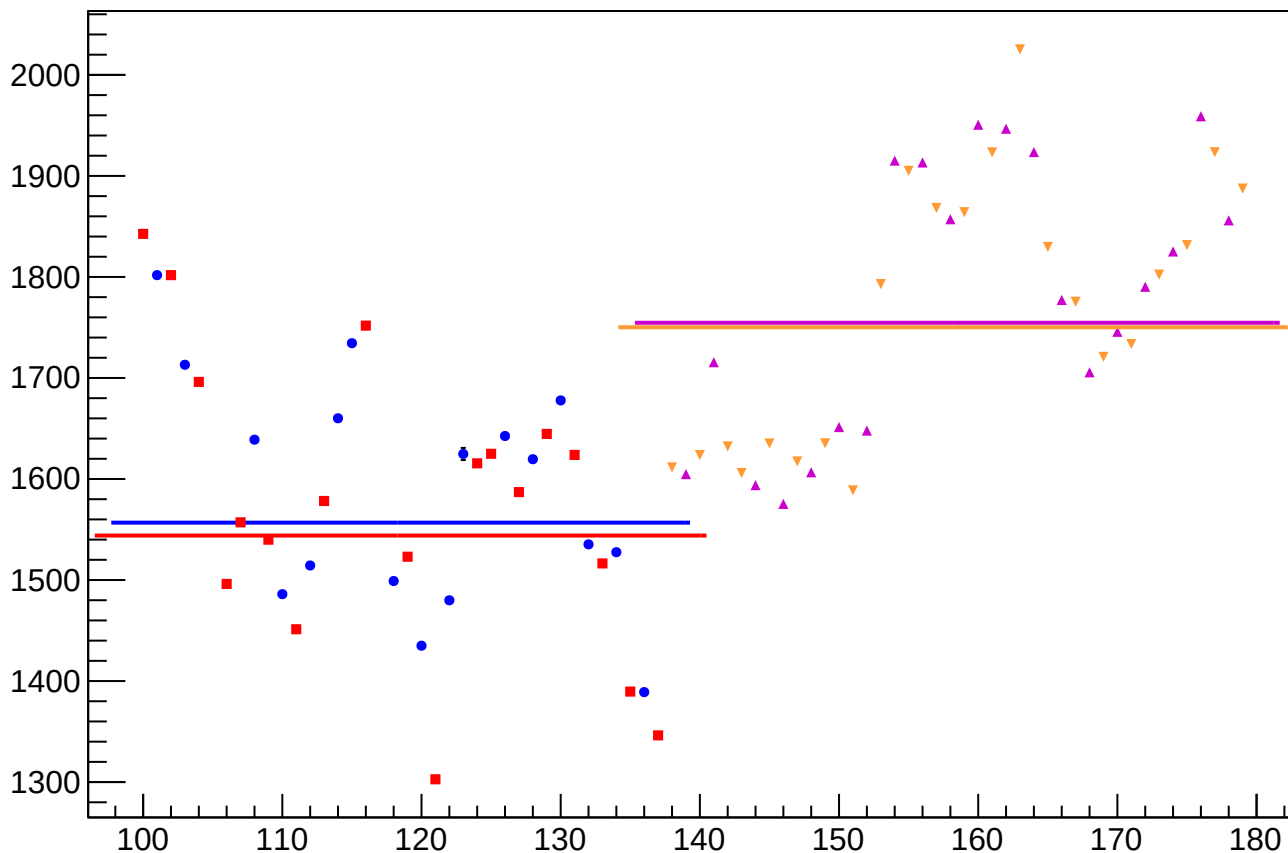
Left In: -59.532 ± 0.448 χ^2/NDF : 2769.3/19

+ sign -38.735 ± 0.350 χ^2/NDF : 24384.5/38

All: -35.497 ± 0.249 χ^2/NDF : 42407.2/77

- sign -32.180 ± 0.354 χ^2/NDF : 17849.7/38

diff_bpm0i02aX_rms vs Slug



Right In: 1556.799 $\pm$ 0.425 χ^2 /NDF: 81549.2/16

Left Out: 1750.219 $\pm$ 0.305 χ^2 /NDF:171172.4/21

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

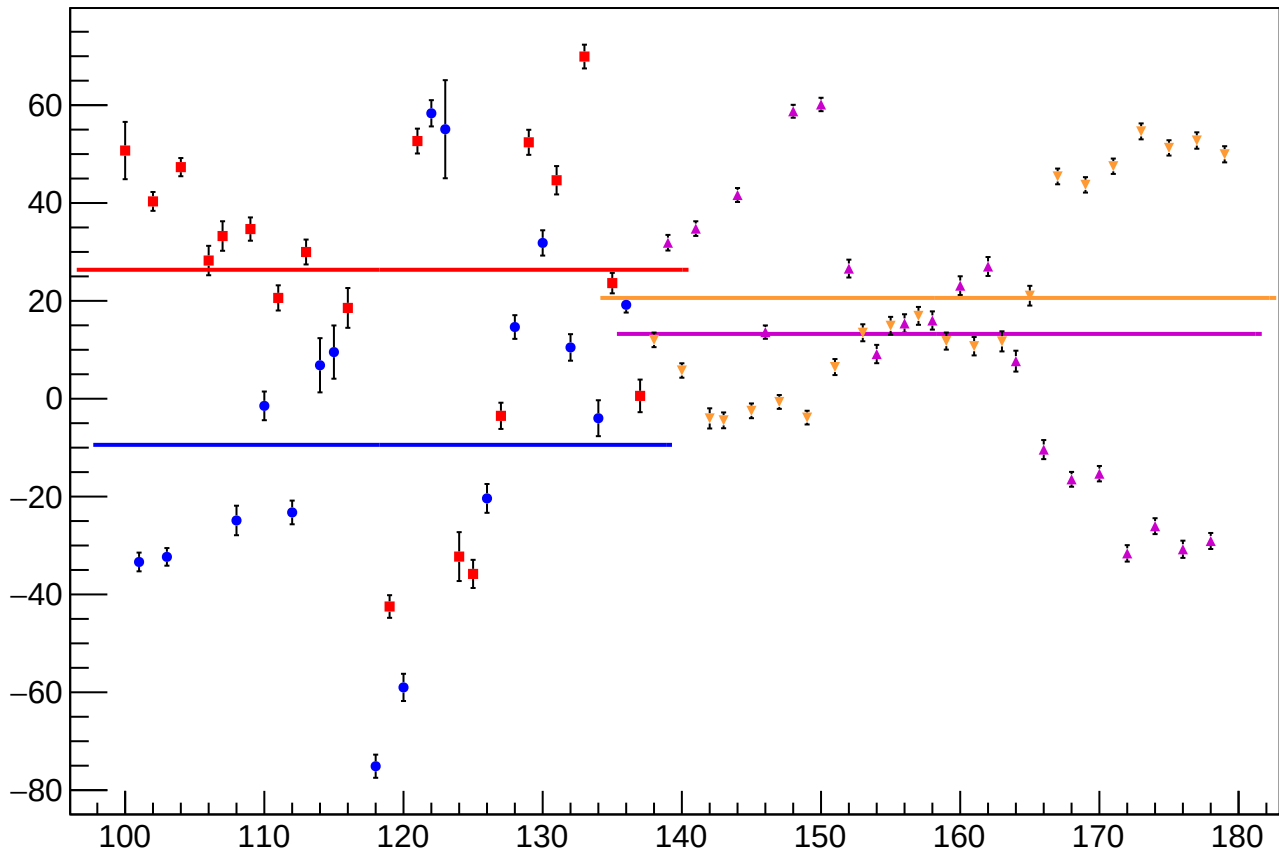
Left In: 1754.636 $\pm$ 0.317 χ^2 /NDF:171305.3/19

+ sign 1684.605 $\pm$ 0.248 χ^2 /NDF: 389453.7/38

All: 1680.257 $\pm$ 0.176 χ^2 /NDF: 827228.6/77

- sign 1675.803 $\pm$ 0.251 χ^2 /NDF: 437150.9/38

diff_bpm0i02aY_mean vs Slug



Right In: -9.427 ± 0.626 χ^2/NDF : 2924.1/16

Left Out: 20.598 ± 0.352 χ^2/NDF : 3707.9/21

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

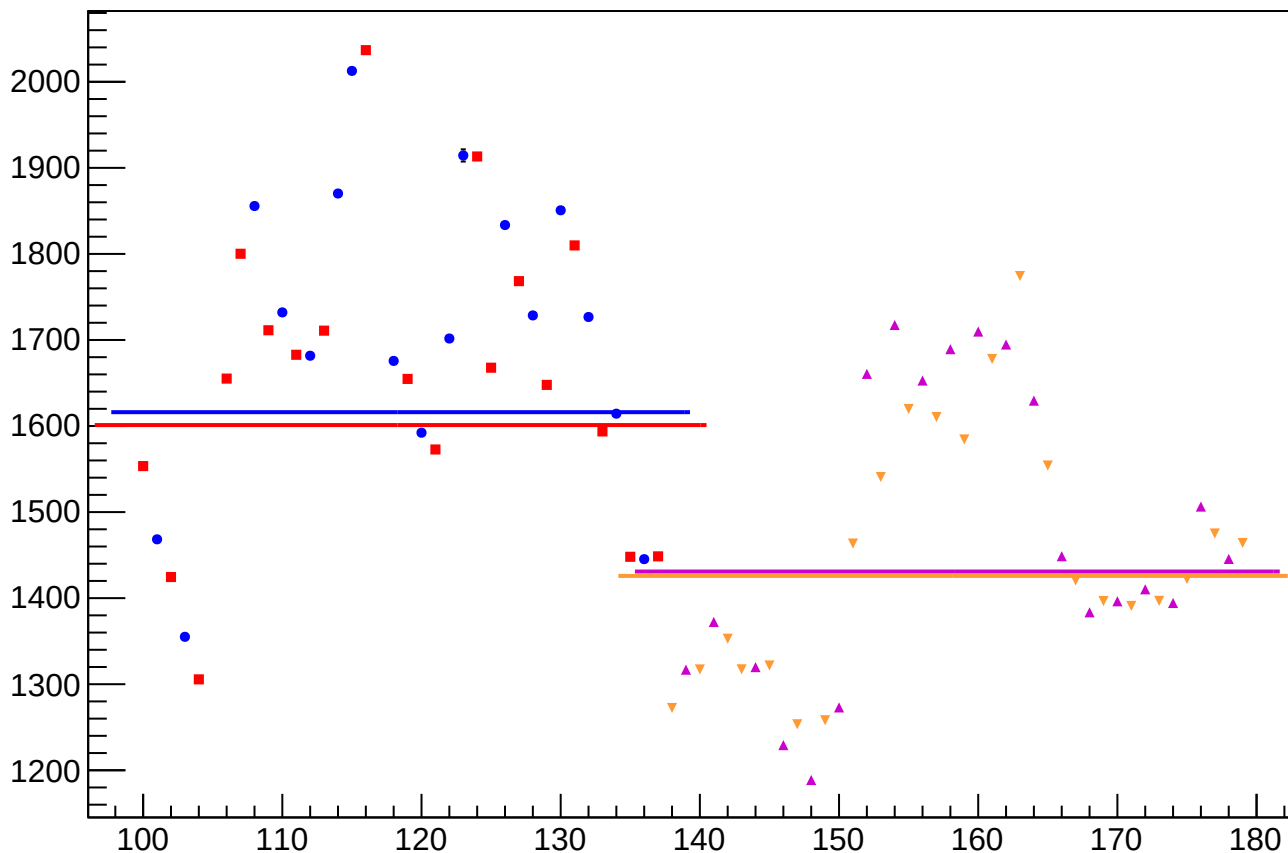
Left In: 13.246 ± 0.367 χ^2/NDF : 6695.6/19

+ sign 13.397 ± 0.307 χ^2/NDF : 8378.2/38

All: 15.058 ± 0.219 χ^2/NDF : 17950.8/77

- sign 16.792 ± 0.314 χ^2/NDF : 9512.6/38

diff_bpm0i02aY_rms vs Slug



Right In: 1616.094+/-0.443 χ^2/NDF : 149596.3/16

Left Out: 1425.844+/-0.249 χ^2/NDF : 287659.7/21

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

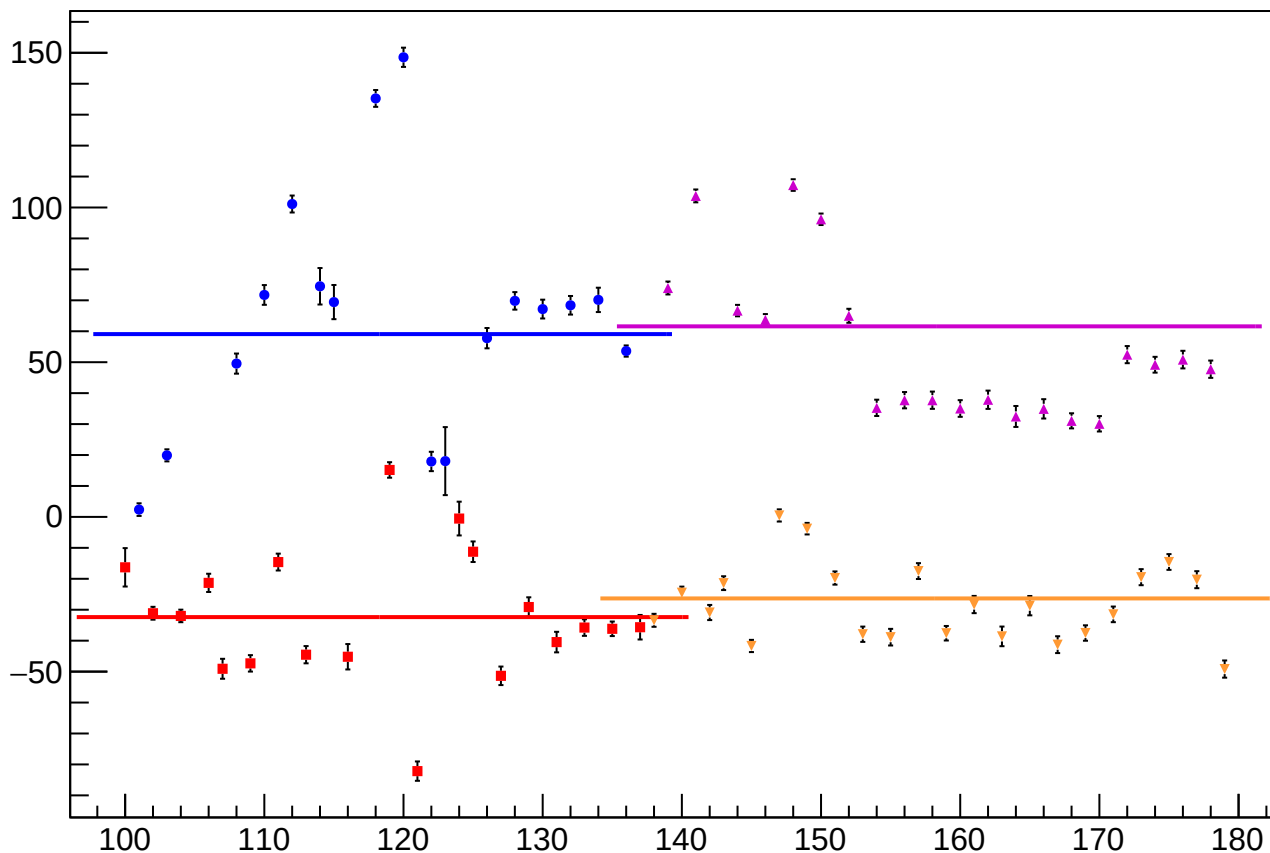
Left In: 1430.938+/-0.260 χ^2/NDF : 413081.3/19

+ sign 1471.472+/-0.217 χ^2/NDF : 577475.5/38

All: 1474.165+/-0.155 χ^2/NDF : 1260833.1/77

- sign 1476.977+/-0.222 χ^2/NDF : 683042.6/38

diff_bpm0i05X_mean vs Slug



Right In: 59.081 ± 0.699 χ^2/NDF : 3293.6/16

Left Out: -26.349 ± 0.509 χ^2/NDF : 671.1/21

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

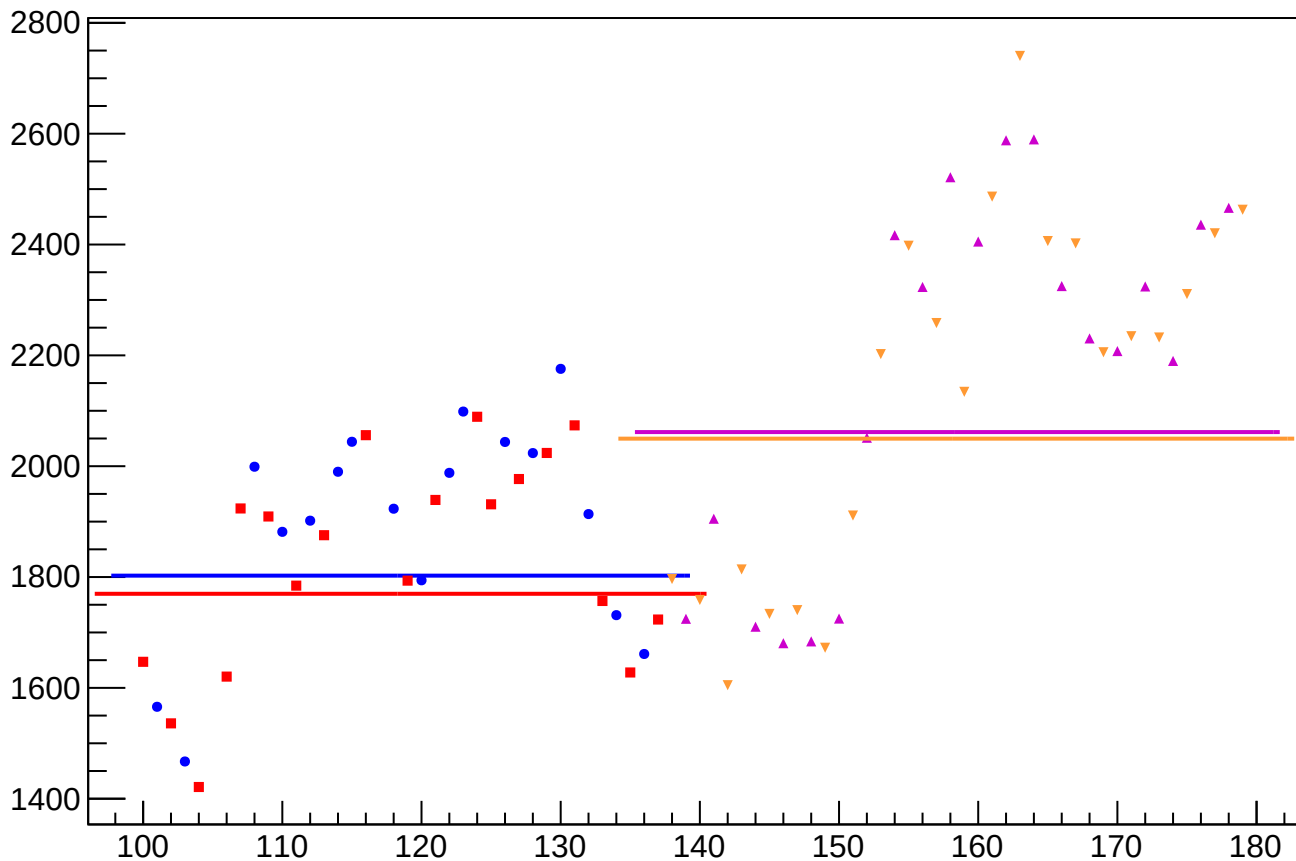
Left In: 61.586 ± 0.532 χ^2/NDF : 2348.3/19

+ sign 3.257 ± 0.412 χ^2/NDF : 13712.7/38

All: 14.025 ± 0.293 χ^2/NDF : 30474.1/77

- sign 25.007 ± 0.416 χ^2/NDF : 15380.1/38

diff_bpm0i05X_rms vs Slug



Right In: 1802.524+/-0.495 χ^2/NDF : 184069.0/16

Left Out: 2049.722+/-0.360 χ^2/NDF : 741968.0/21

Right Out: 1769.772+/-0.471 χ^2/NDF : 177893.4/18

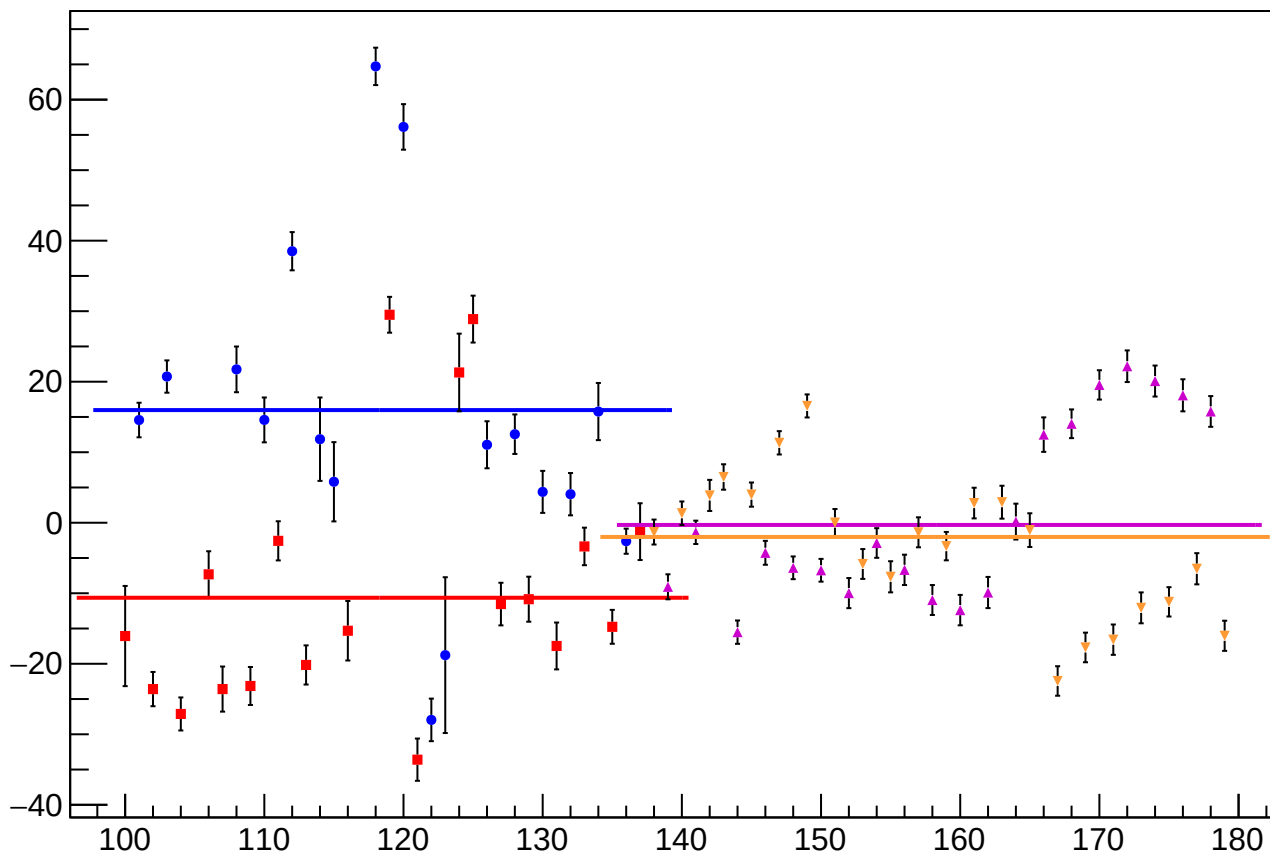
Left In: 2061.583+/-0.376 χ^2/NDF : 751106.3/19

+ sign 1964.056+/-0.291 χ^2/NDF : 1089270.0/38

All: 1956.102+/-0.207 χ^2/NDF : 2253932.1/77

- sign 1947.990+/-0.294 χ^2/NDF : 1163154.6/38

diff_bpm0i05Y_mean vs Slug



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

Left Out: -2.014 ± 0.425 χ^2/NDF : 545.7/21

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

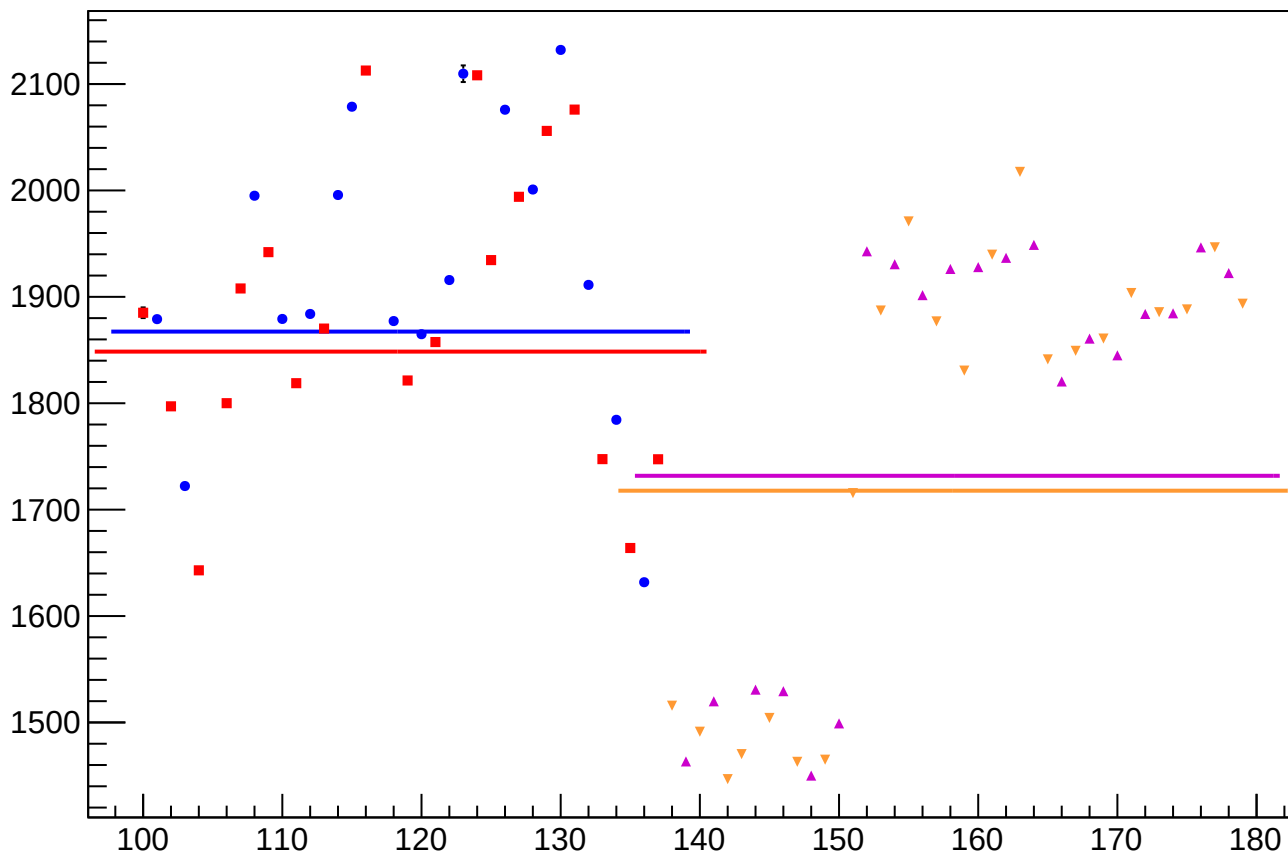
Left In: -0.312 ± 0.444 χ^2/NDF : 725.6/19

+ sign 2.615 ± 0.366 χ^2/NDF : 1945.6/38

All: -0.287 ± 0.262 χ^2/NDF : 3599.1/77

- sign -3.316 ± 0.374 χ^2/NDF : 1525.0/38

diff_bpm0i05Y_rms vs Slug



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

Left Out: 1717.816 $\pm$ 0.300 χ^2 /NDF:465005.3/21

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

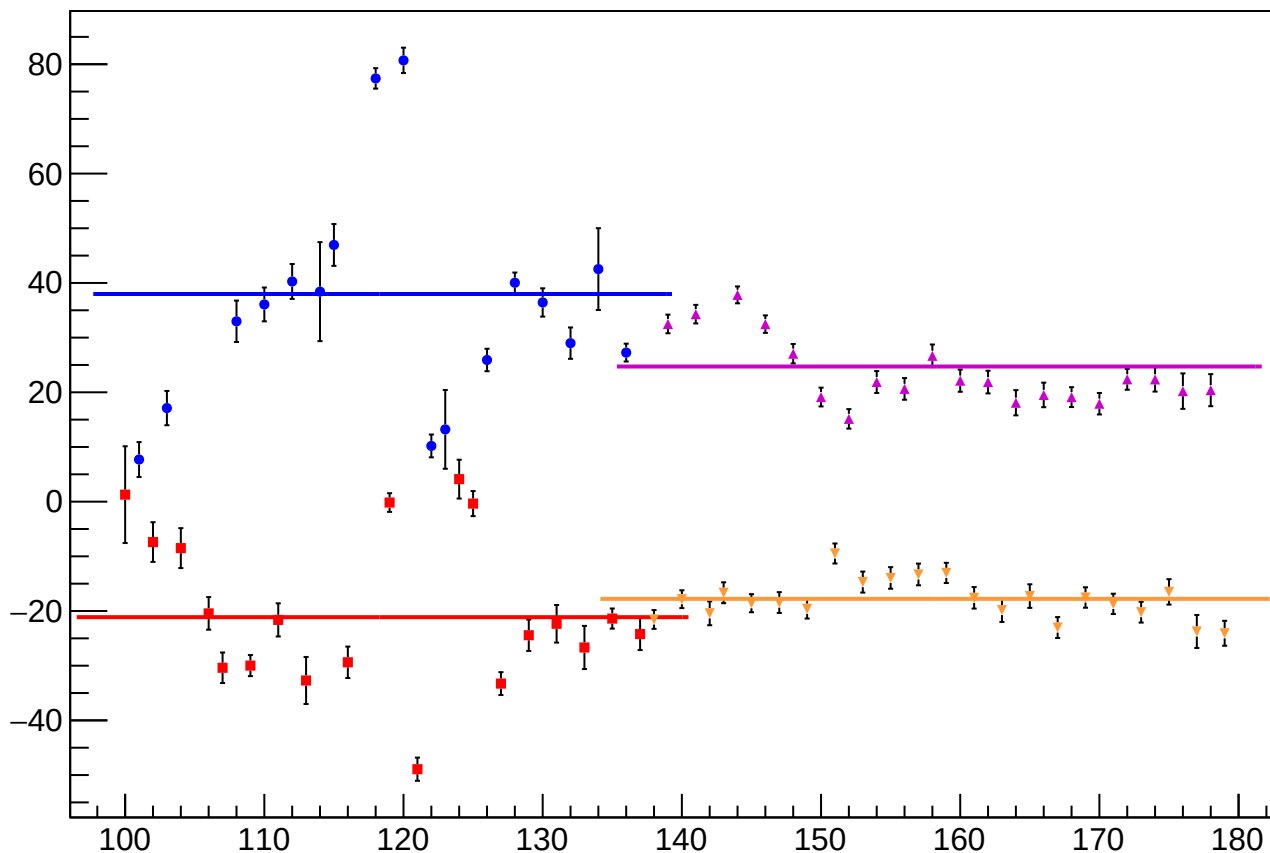
Left In: 1731.819 $\pm$ 0.314 χ^2 /NDF:422807.3/19

+ sign 1756.297 $\pm$ 0.259 χ^2 /NDF: 609703.6/38

All: 1760.932 $\pm$ 0.185 χ^2 /NDF: 1145880.7/77

- sign 1765.767 $\pm$ 0.264 χ^2 /NDF: 535522.1/38

diff_bpm0i07X_mean vs Slug



Right In: 37.979 ± 0.637 χ^2/NDF : 1204.3/16

Left Out: -17.775 ± 0.414 χ^2/NDF : 68.7/21

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

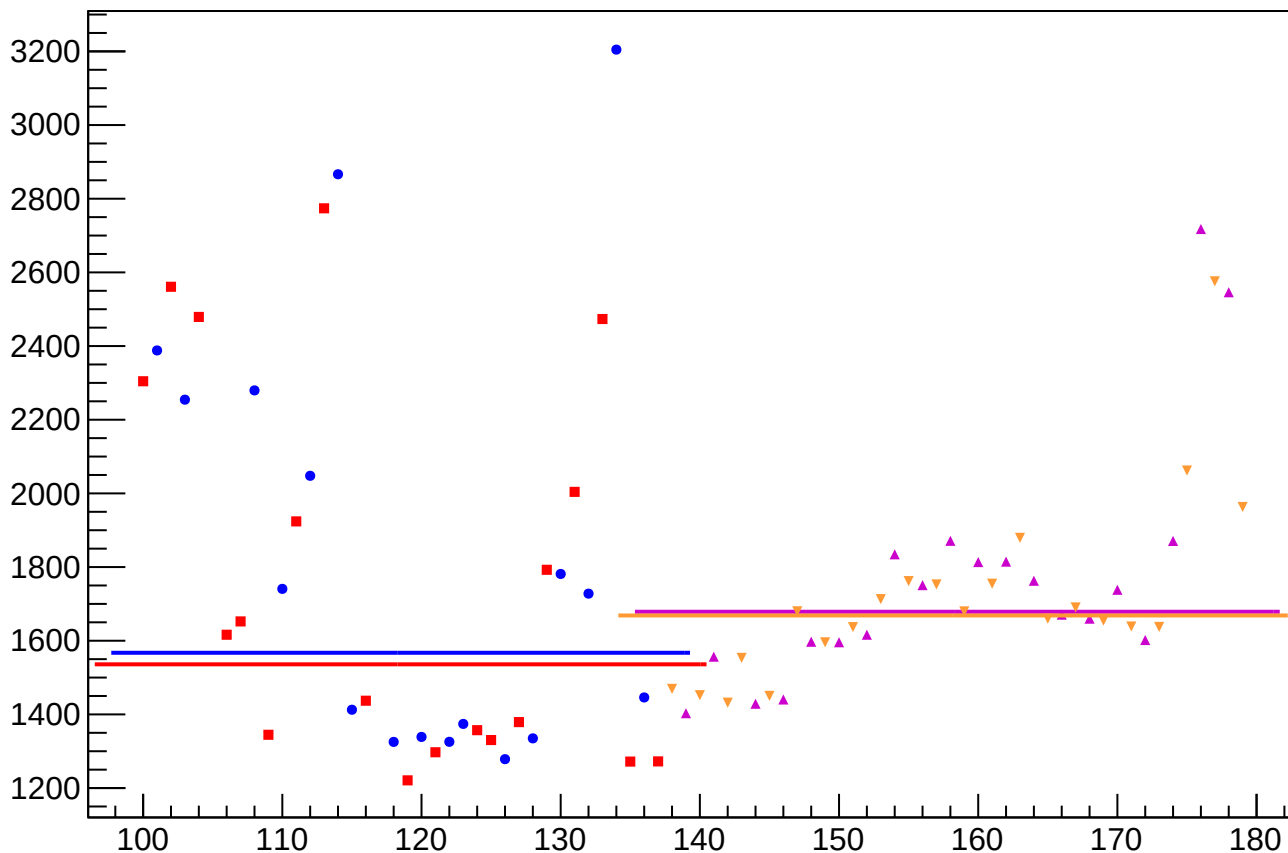
Left In: 24.717 ± 0.434 χ^2/NDF : 241.7/19

+ sign -1.212 ± 0.347 χ^2/NDF : 6651.7/38

All: 3.945 ± 0.248 χ^2/NDF : 11680.1/77

- sign 9.272 ± 0.353 χ^2/NDF : 4580.4/38

diff_bpm0i07X_rms vs Slug



Right In: 1567.328+/-0.451 χ^2/NDF : 673450.6/16

Left Out: 1668.575+/-0.293 χ^2/NDF : 436610.7/21

Right Out: 1535.967+/-0.430 χ^2/NDF : 882098.2/18

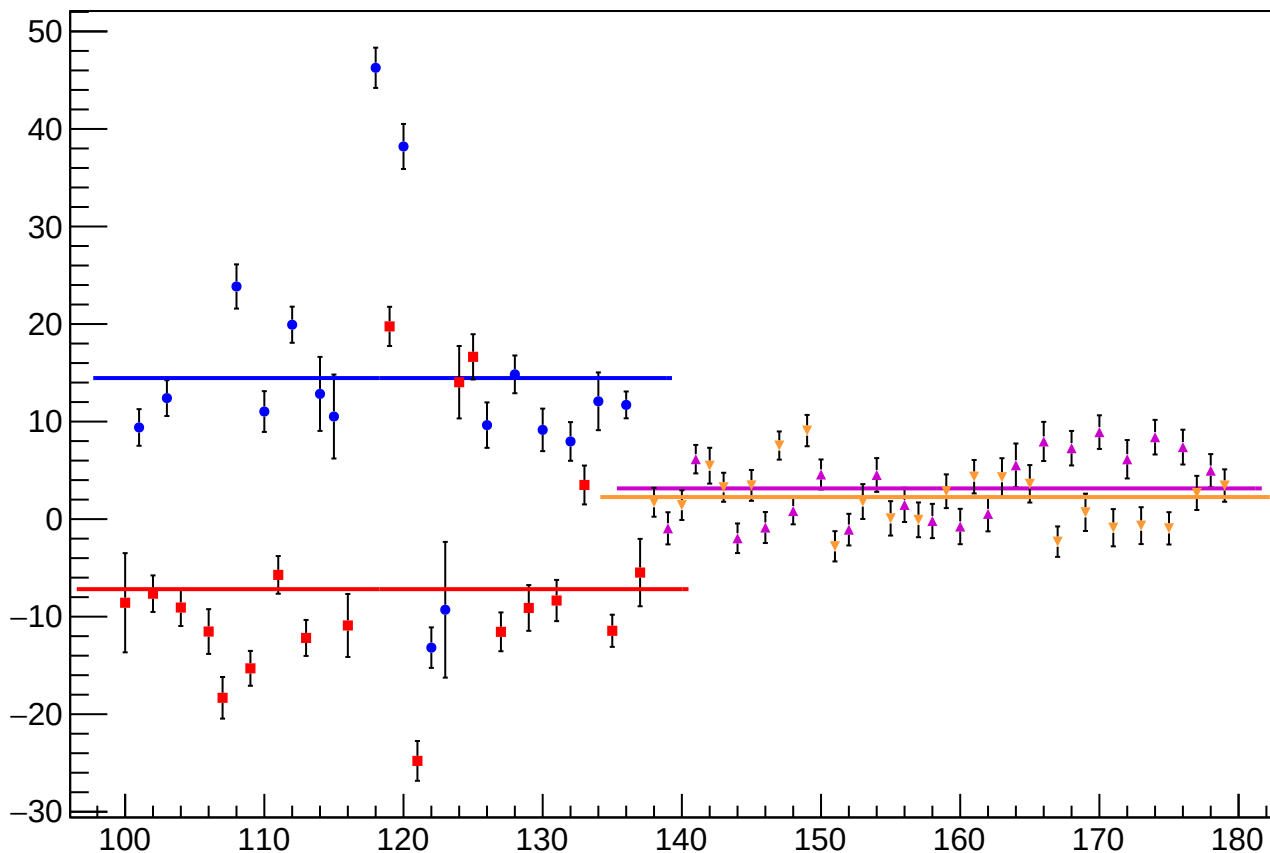
Left In: 1678.671+/-0.307 χ^2/NDF : 623591.6/19

+ sign 1638.496+/-0.246 χ^2/NDF : 1145536.3/38

All: 1634.608+/-0.175 χ^2/NDF : 2724709.0/77

- sign 1630.590+/-0.250 χ^2/NDF : 1578663.2/38

diff_bpm0i07Y_mean vs Slug



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

Left Out: 2.261 ± 0.359 χ^2/NDF : 71.7/21

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

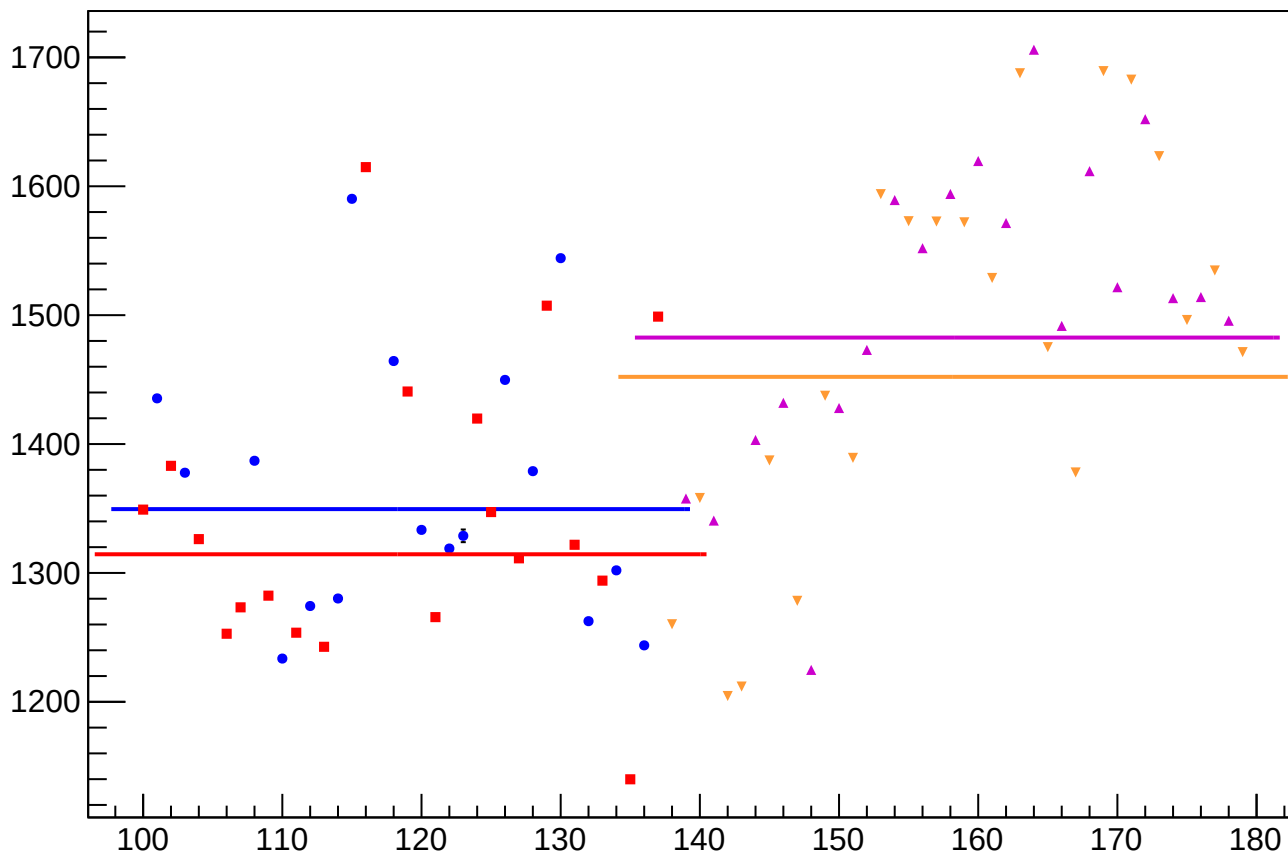
Left In: 3.149 ± 0.379 χ^2/NDF : 92.0/19

+ sign 6.164 ± 0.296 χ^2/NDF : 1037.3/38

All: 2.800 ± 0.211 χ^2/NDF : 2162.6/77

- sign -0.679 ± 0.301 χ^2/NDF : 862.4/38

diff_bpm0i07Y_rms vs Slug



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

Left Out: 1452.135 $\pm$ 0.254 χ^2 /NDF: 326607.0/21

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

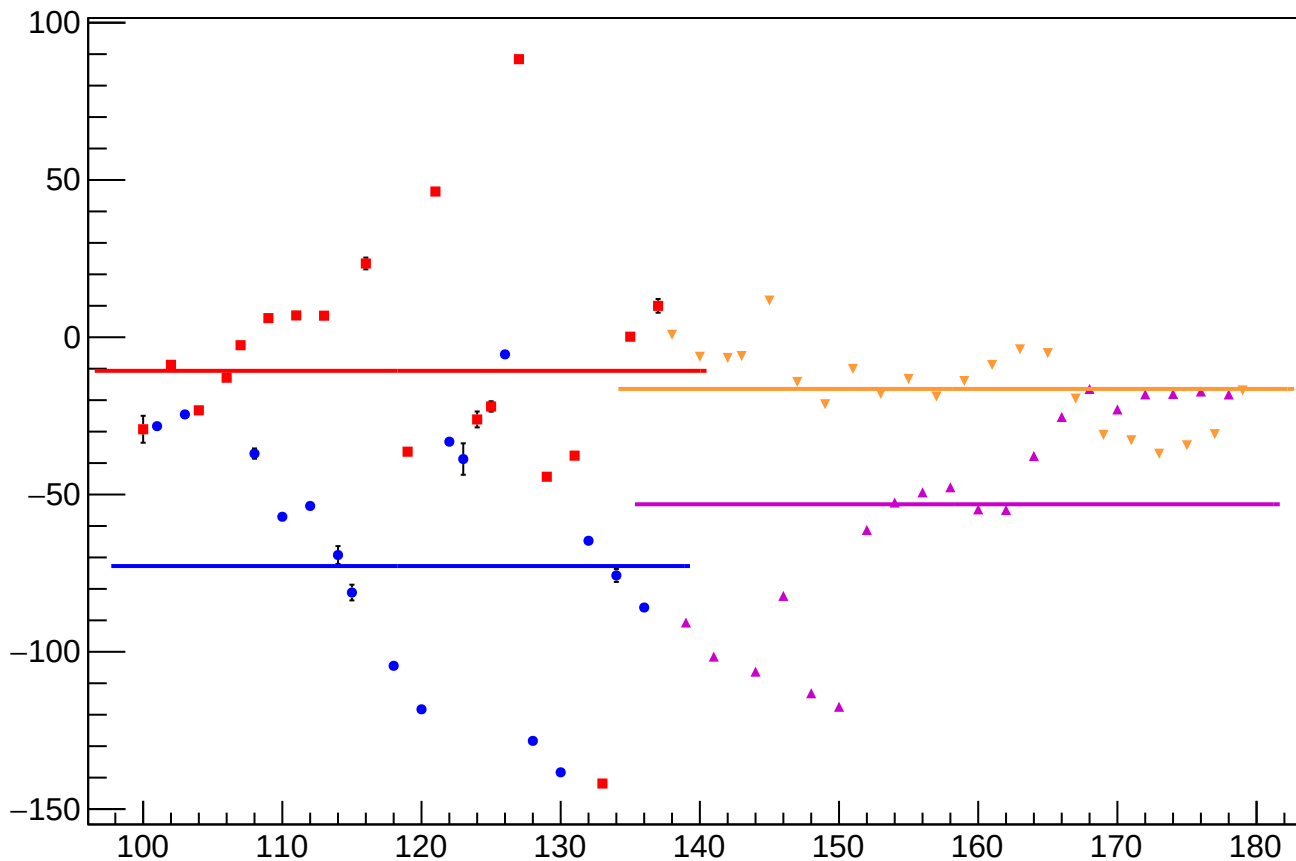
Left In: 1482.613 $\pm$ 0.268 χ^2 /NDF: 195265.0/19

+ sign 1419.305 $\pm$ 0.209 χ^2 /NDF: 443591.6/38

All: 1419.795 $\pm$ 0.149 χ^2 /NDF: 865409.2/77

- sign 1420.302 $\pm$ 0.213 χ^2 /NDF: 421806.4/38

diff_bpm1i02X_mean vs Slug



Right In: -72.741 ± 0.362 χ^2/NDF : 11690.4/16

Left Out: -16.426 ± 0.223 χ^2/NDF : 3101.0/21

Right Out: -10.671 ± 0.352 χ^2/NDF : 18171.0/18

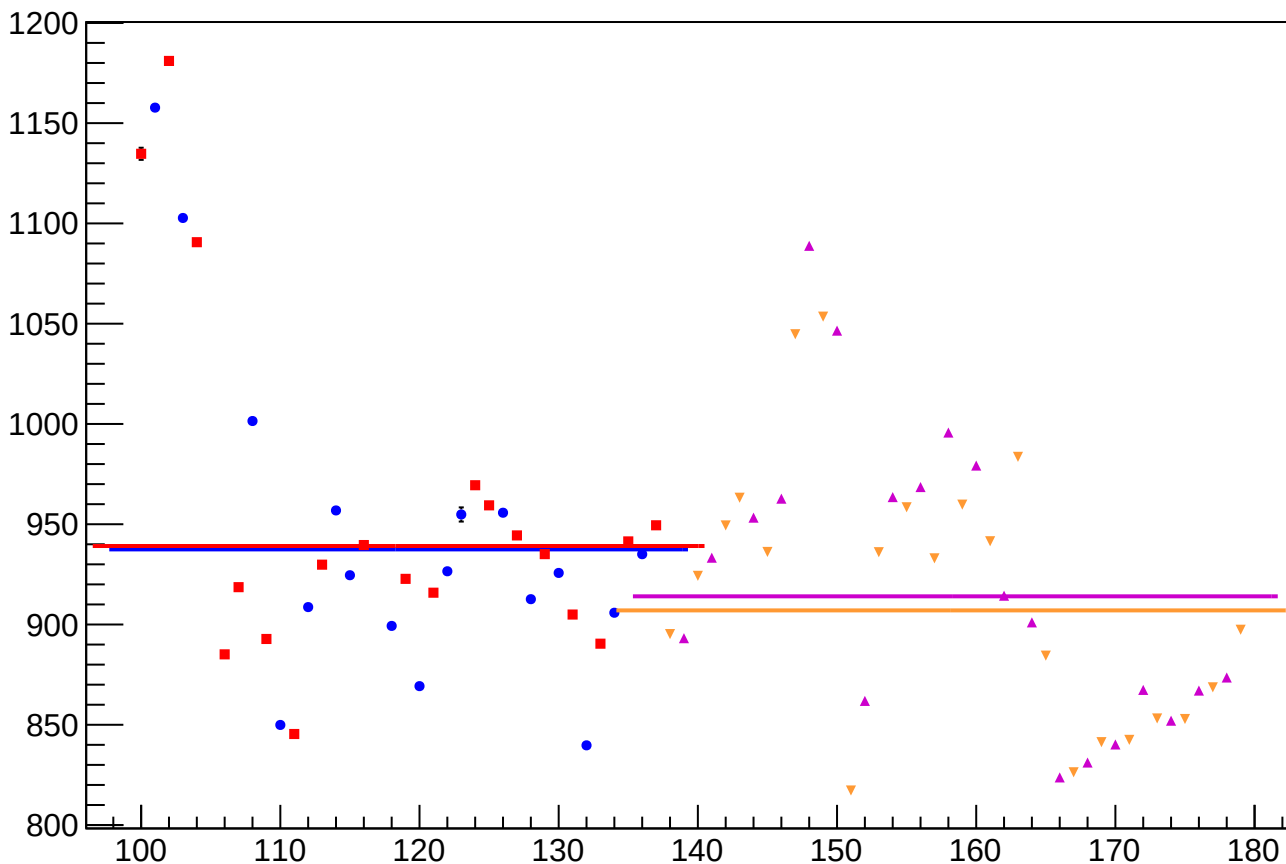
Left In: -53.099 ± 0.233 χ^2/NDF : 21082.1/19

+ sign -31.922 ± 0.190 χ^2/NDF : 32298.5/38

All: -35.941 ± 0.136 χ^2/NDF : 82544.6/77

- sign -40.154 ± 0.195 χ^2/NDF : 49330.4/38

diff_bpm1i02X_rms vs Slug



Right In: 937.454 $\pm$ 0.256 χ^2 /NDF: 98307.6/16

Left Out: 907.037 $\pm$ 0.158 χ^2 /NDF: 159900.0/21

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

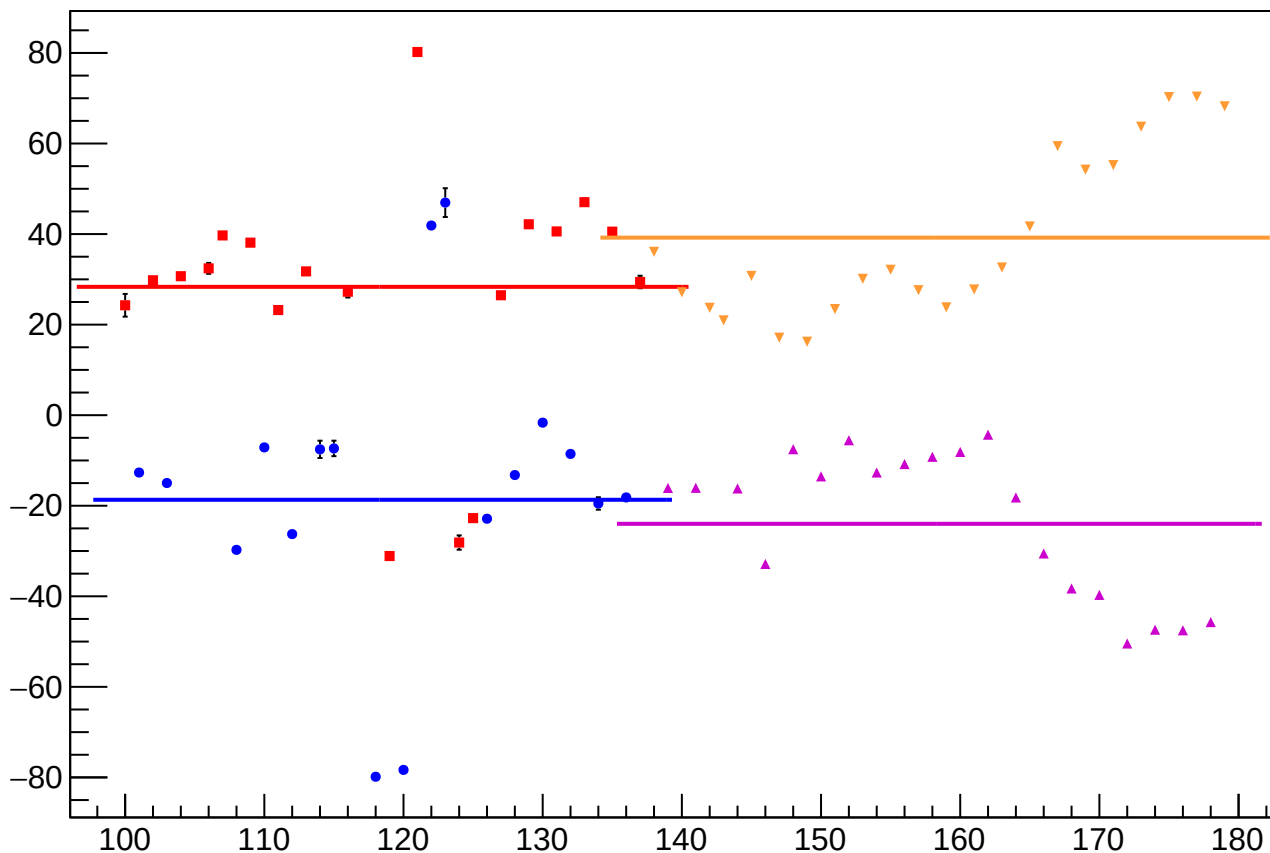
Left In: 914.051 $\pm$ 0.165 χ^2 /NDF: 173368.3/19

+ sign 915.407 $\pm$ 0.134 χ^2 /NDF: 268422.3/38

All: 918.482 $\pm$ 0.096 χ^2 /NDF: 540163.3/77

- sign 921.706 $\pm$ 0.138 χ^2 /NDF: 270668.7/38

diff_bpm1i02Y_mean vs Slug



Right In: -18.683 ± 0.243 $\chi^2/\text{NDF}: 13006.2/16$

Left Out: 39.213 ± 0.176 $\chi^2/\text{NDF}: 10737.2/21$

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

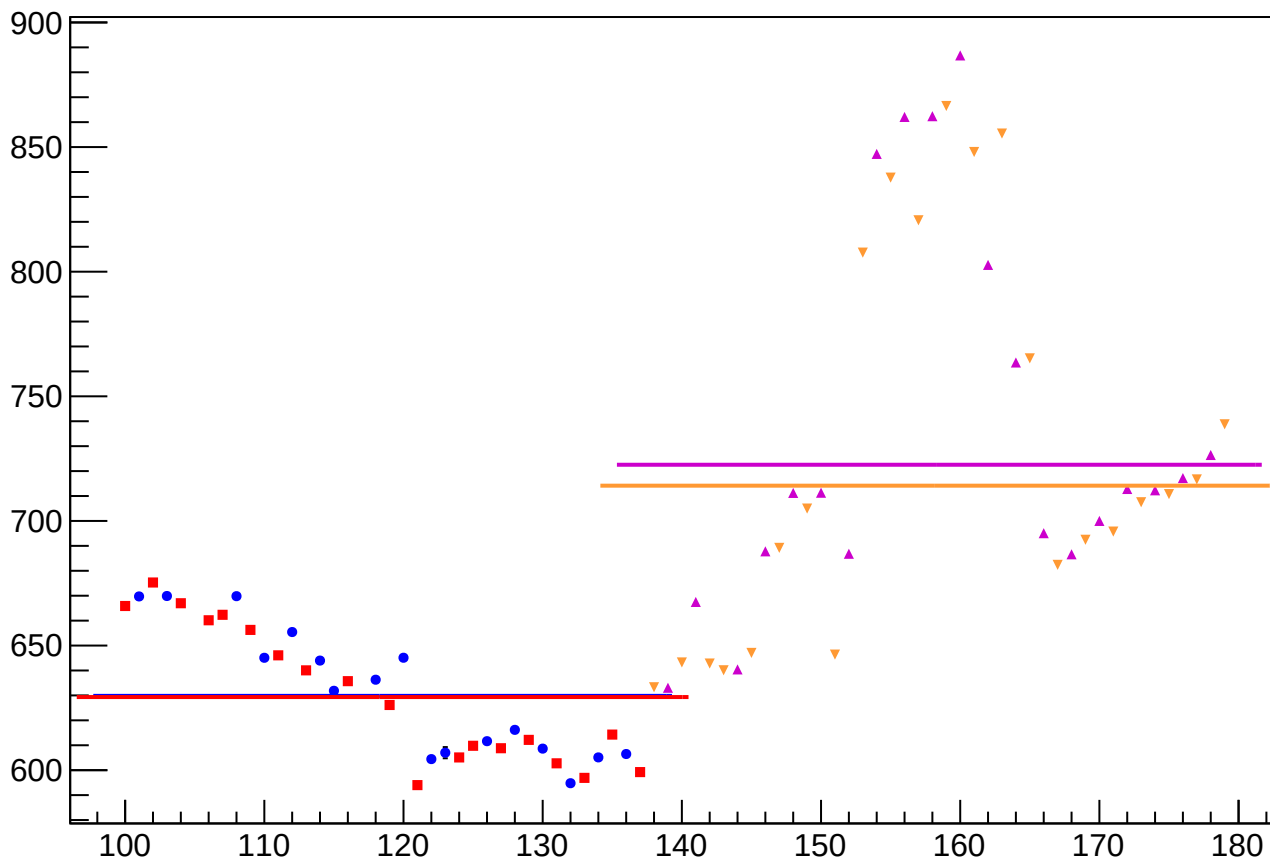
Left In: -23.992 ± 0.185 $\chi^2/\text{NDF}: 7077.7/19$

+ sign 19.207 ± 0.143 $\chi^2/\text{NDF}: 60997.6/38$

All: 7.820 ± 0.102 $\chi^2/\text{NDF}: 124135.4/77$

- sign -4.019 ± 0.145 $\chi^2/\text{NDF}: 50140.6/38$

diff_bpm1i02Y_rms vs Slug



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

Left Out: 714.151 $\pm$ 0.125 χ^2 /NDF:334162.2/21

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

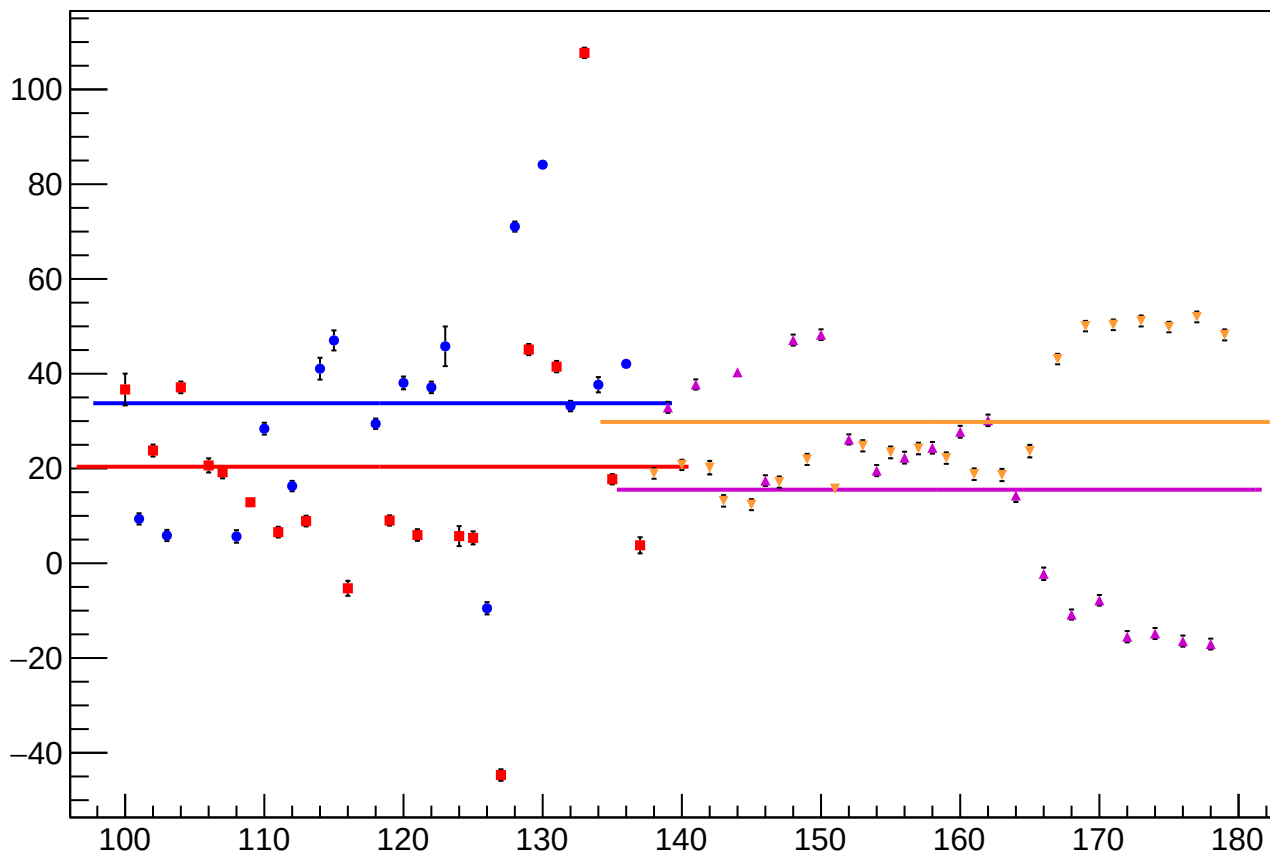
Left In: 722.543 $\pm$ 0.131 χ^2 /NDF:278321.4/19

+ sign 685.008 $\pm$ 0.101 χ^2 /NDF: 515560.3/38

All: 685.973 $\pm$ 0.072 χ^2 /NDF: 1013397.5/77

- sign 686.976 $\pm$ 0.103 χ^2 /NDF: 497650.4/38

diff_bpm1i04X_mean vs Slug



Right In: 33.773 $\pm$ 0.300 χ^2 /NDF: 6487.9/16

Left Out: 29.825 $\pm$ 0.250 χ^2 /NDF: 3361.7/21

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

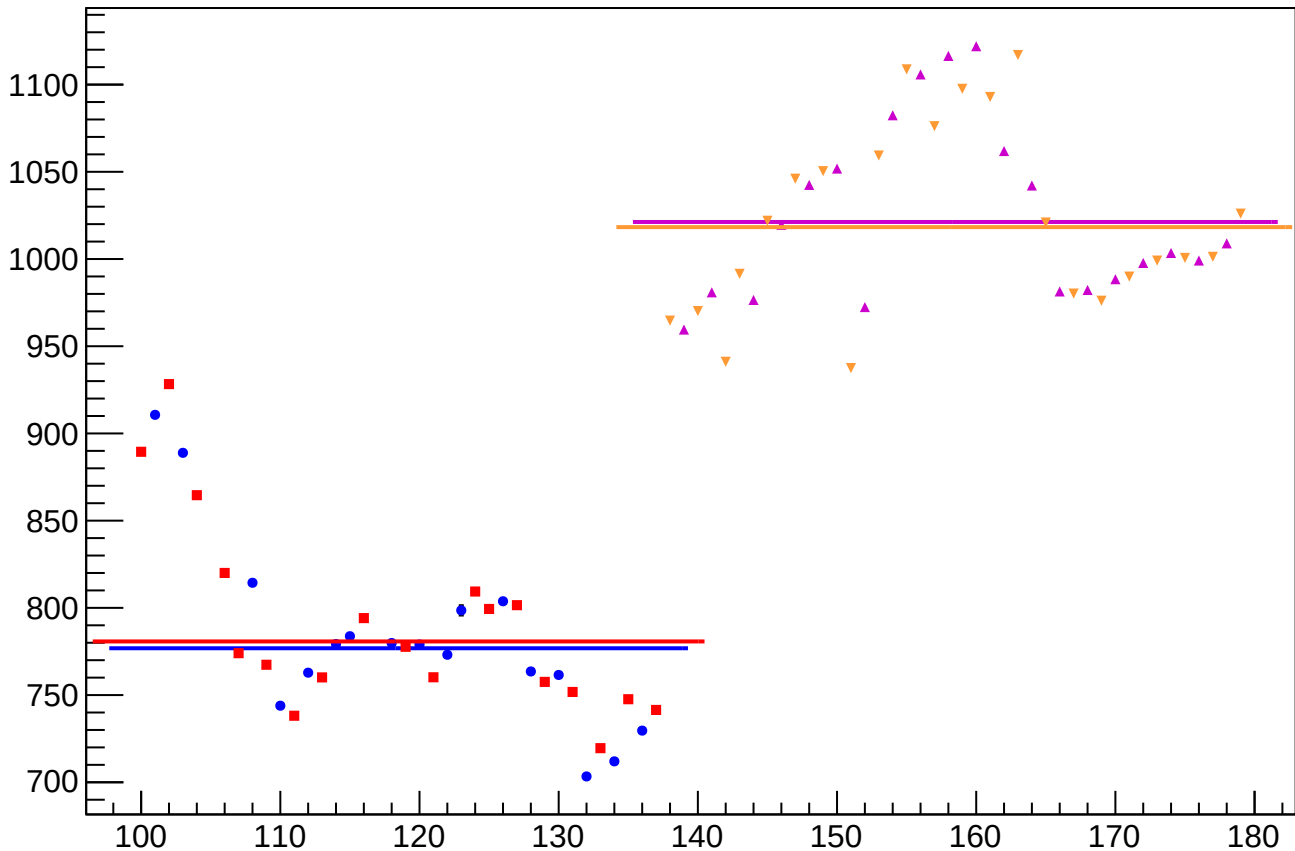
Left In: 15.527 $\pm$ 0.260 χ^2 /NDF: 7359.3/19

+ sign 31.446 $\pm$ 0.192 χ^2 /NDF: 9951.8/38

All: 24.641 $\pm$ 0.137 χ^2 /NDF: 31290.4/77

- sign 17.670 $\pm$ 0.194 χ^2 /NDF: 18800.2/38

diff_bpm1i04X_rms vs Slug



Right In: 776.838 $\pm$ 0.212 χ^2 /NDF: 67487.1/16

Left Out: 1018.282 $\pm$ 0.177 χ^2 /NDF: 83116.3/21

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

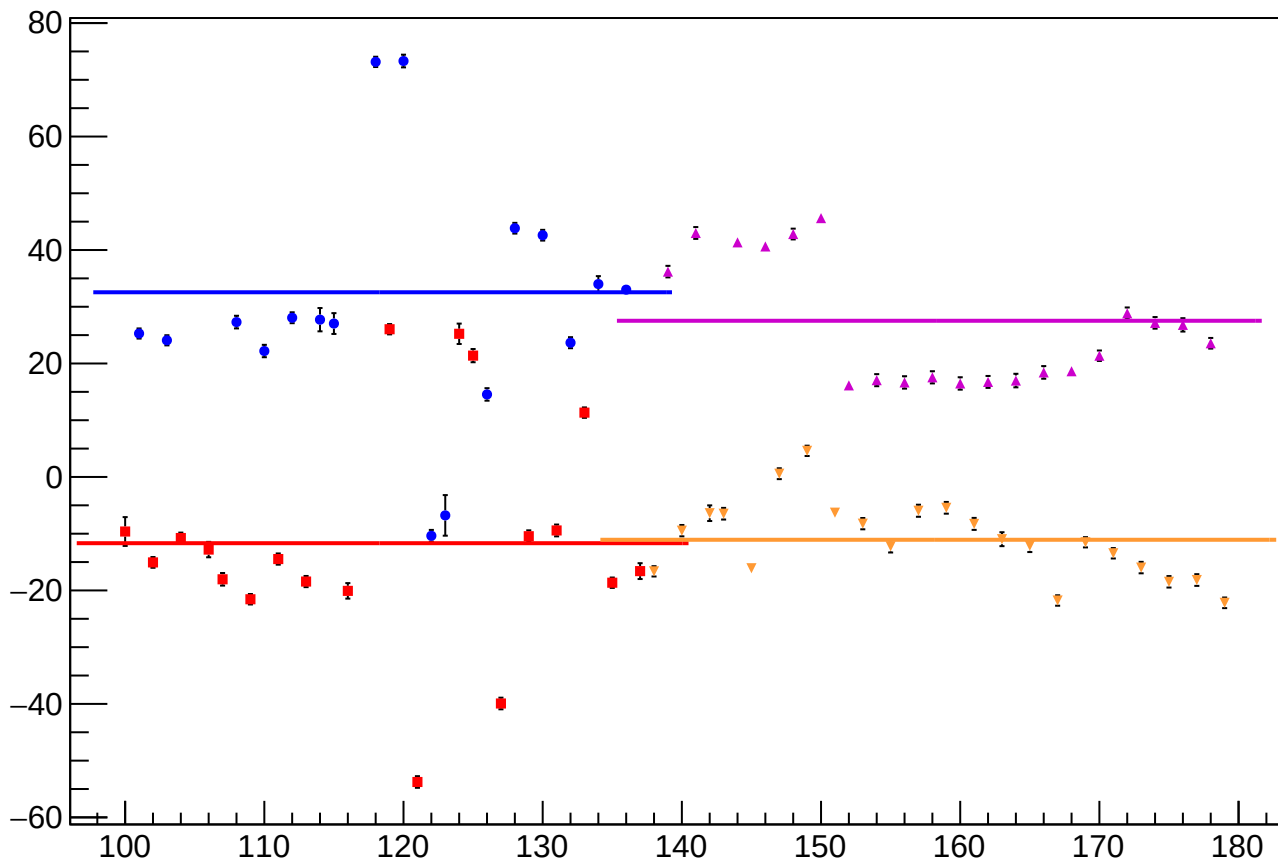
Left In: 1021.238 $\pm$ 0.184 χ^2 /NDF: 68799.2/19

+ sign 919.145 $\pm$ 0.136 χ^2 /NDF: 914674.6/38

All: 917.060 $\pm$ 0.097 χ^2 /NDF: 1795516.4/77

- sign 914.925 $\pm$ 0.138 χ^2 /NDF: 880365.3/38

diff_bpm1i04Y_mean vs Slug



Right In: 32.552 ± 0.253 χ^2/NDF : 6073.0/16

Left Out: -11.071 ± 0.211 χ^2/NDF : 1059.2/21

Right Out: -11.674 ± 0.247 χ^2/NDF : 6357.6/18

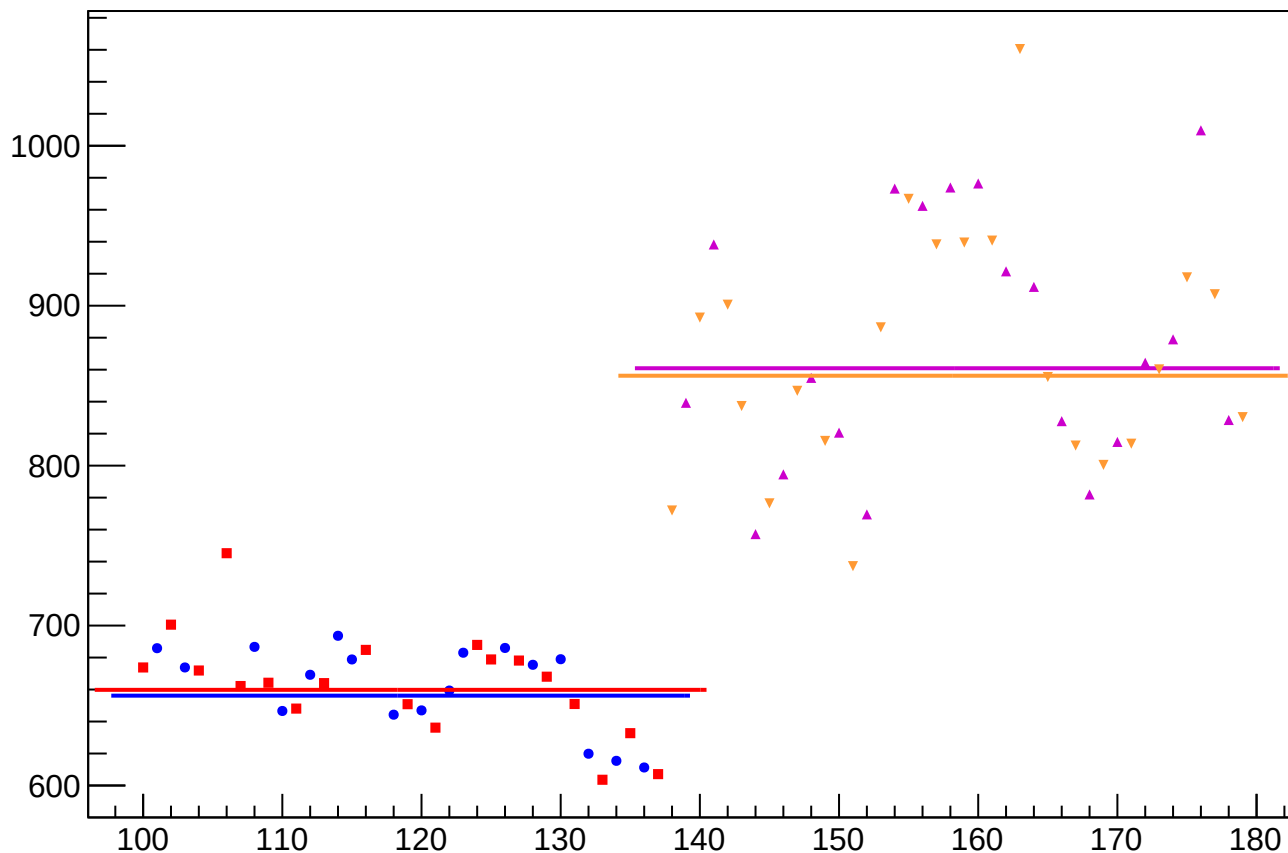
Left In: 27.529 ± 0.221 χ^2/NDF : 2457.7/19

+ sign 6.870 ± 0.162 χ^2/NDF : 24654.0/38

All: 8.476 ± 0.115 χ^2/NDF : 47679.4/77

- sign 10.129 ± 0.165 χ^2/NDF : 22826.3/38

diff_bpm1i04Y_rms vs Slug



Right In: 656.181 ± 0.179 χ^2/NDF : 23569.6/16

Left Out: 856.217 ± 0.149 χ^2/NDF : 230642.0/21

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

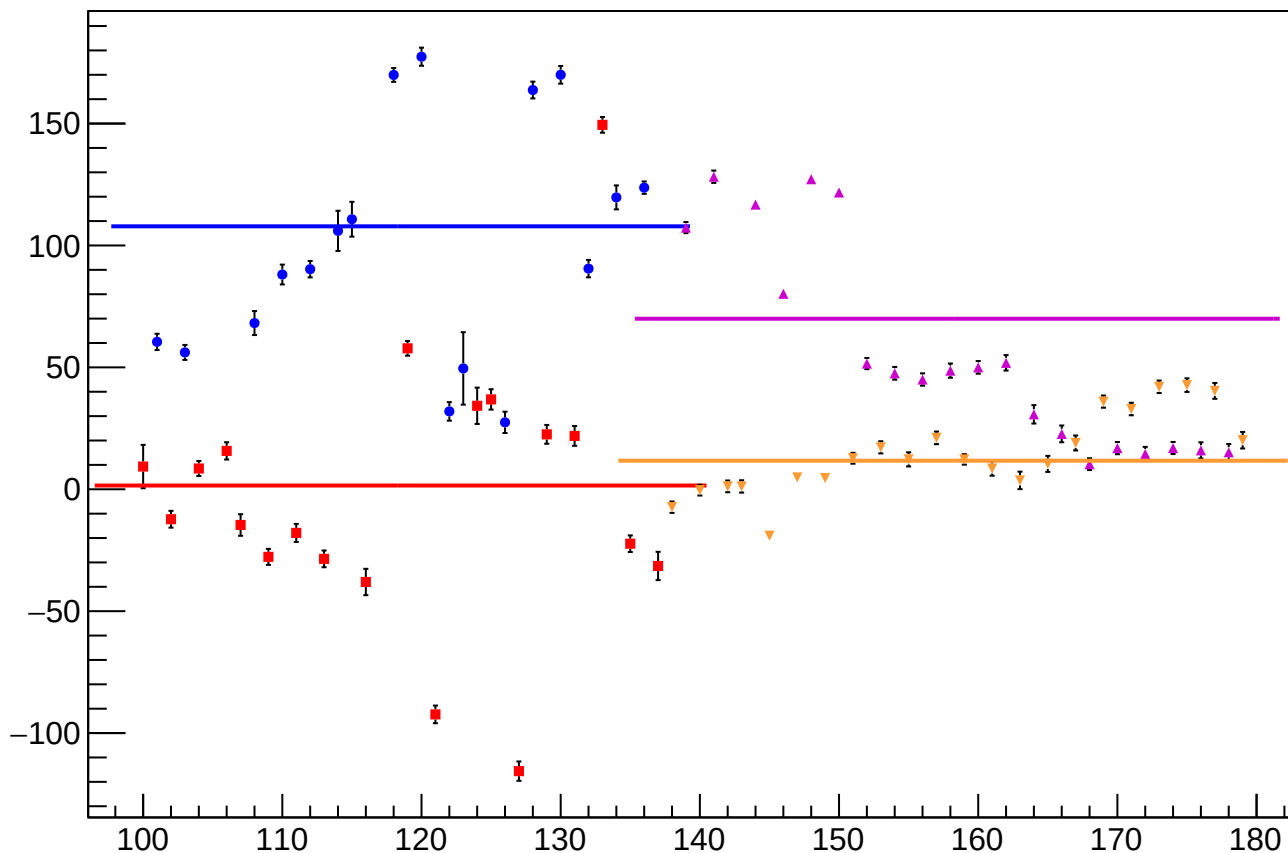
Left In: 860.893 ± 0.156 χ^2/NDF : 234919.0/19

+ sign 773.949 ± 0.115 χ^2/NDF : 991093.2/38

All: 772.815 ± 0.082 χ^2/NDF : 1991778.7/77

- sign 771.647 ± 0.116 χ^2/NDF : 1000486.8/38

diff_bpm1i06X_mean vs Slug



Right In: 107.852 $\pm$ 0.922 χ^2 /NDF: 2809.0/16

Left Out: 11.712 $\pm$ 0.526 χ^2 /NDF: 936.2/21

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

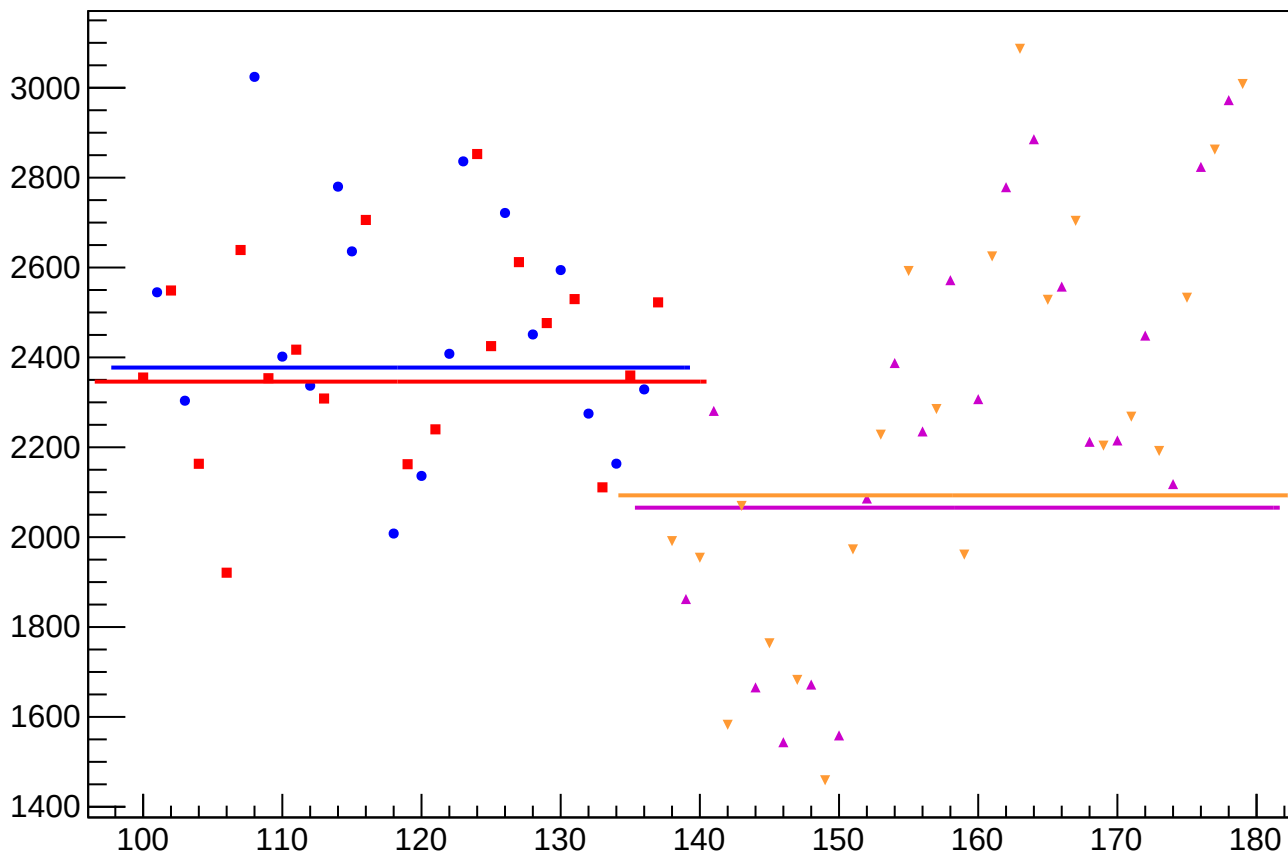
Left In: 69.952 $\pm$ 0.540 χ^2 /NDF: 6443.8/19

+ sign 35.320 $\pm$ 0.457 χ^2 /NDF: 11956.3/38

All: 43.257 $\pm$ 0.324 χ^2 /NDF: 27899.6/77

- sign 51.338 $\pm$ 0.461 χ^2 /NDF: 15333.6/38

diff_bpm1i06X_rms vs Slug



Right In: 2377.423+/-0.652 χ^2/NDF : 119648.6/16

Left Out: 2093.042+/-0.372 χ^2/NDF : 1294246.2/21

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

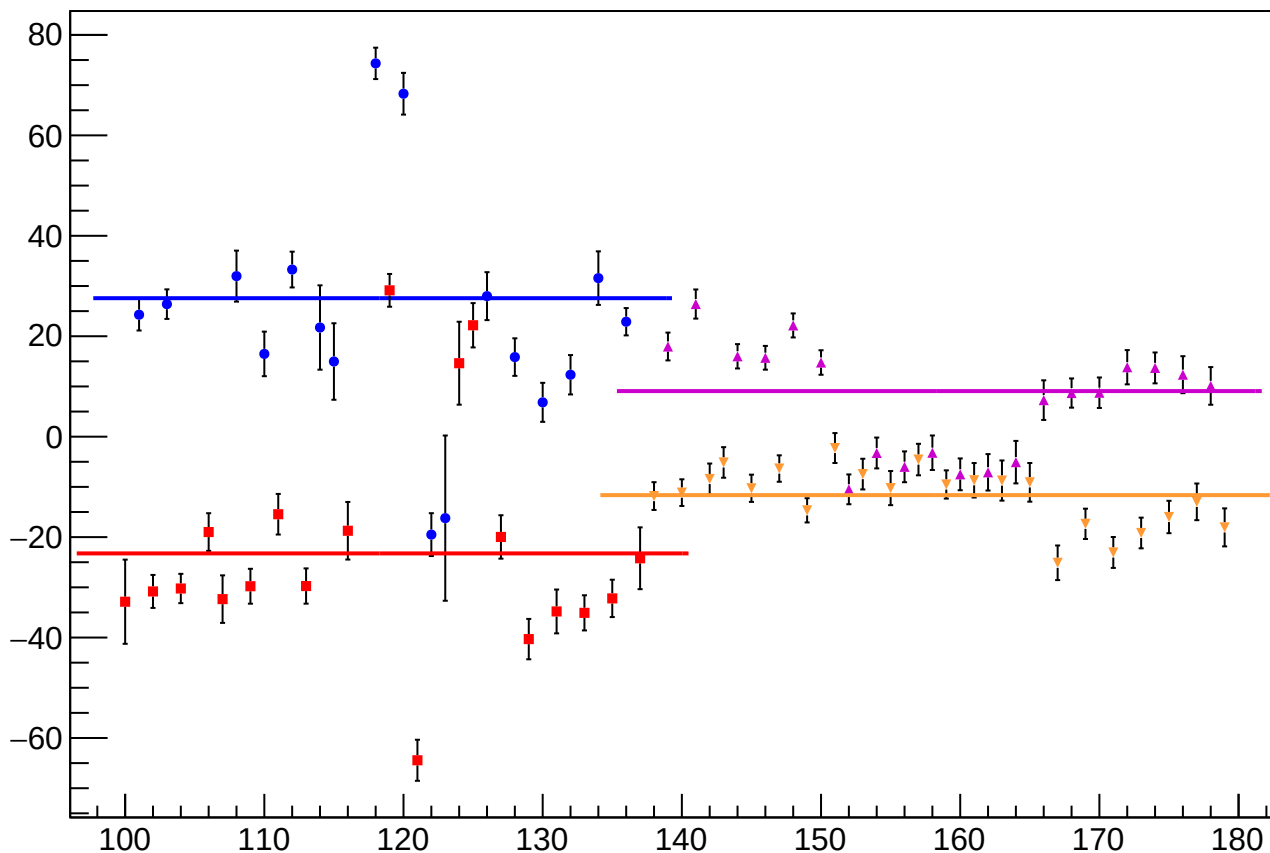
Left In: 2065.605+/-0.382 χ^2/NDF : 1235350.8/19

+ sign 2162.873+/-0.323 χ^2/NDF : 1557587.3/38

All: 2152.496+/-0.229 χ^2/NDF : 3050102.2/77

- sign 2141.932+/-0.326 χ^2/NDF : 1490430.7/38

diff_bpm1i06Y_mean vs Slug



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

Left Out: -11.640 ± 0.654 χ^2/NDF : 74.5/21

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

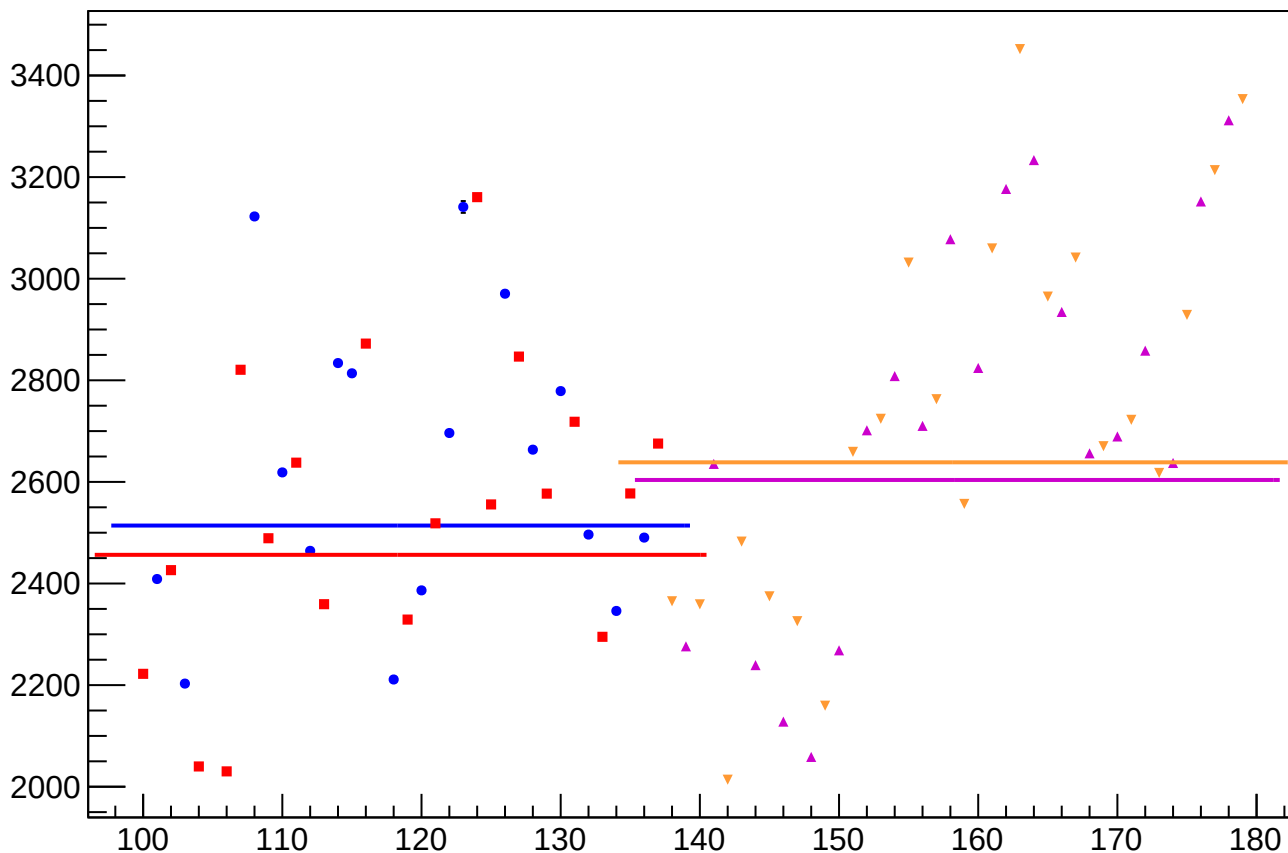
Left In: 9.078 ± 0.673 χ^2/NDF : 257.5/19

+ sign 0.542 ± 0.543 χ^2/NDF : 1709.8/38

All: -0.760 ± 0.385 χ^2/NDF : 3333.1/77

- sign -2.068 ± 0.544 χ^2/NDF : 1611.8/38

diff_bpm1i06Y_rms vs Slug



Right In: 2514.088+/-0.689 χ^2/NDF : 120961.3/16

Left Out: 2638.556+/-0.463 χ^2/NDF : 582154.1/21

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

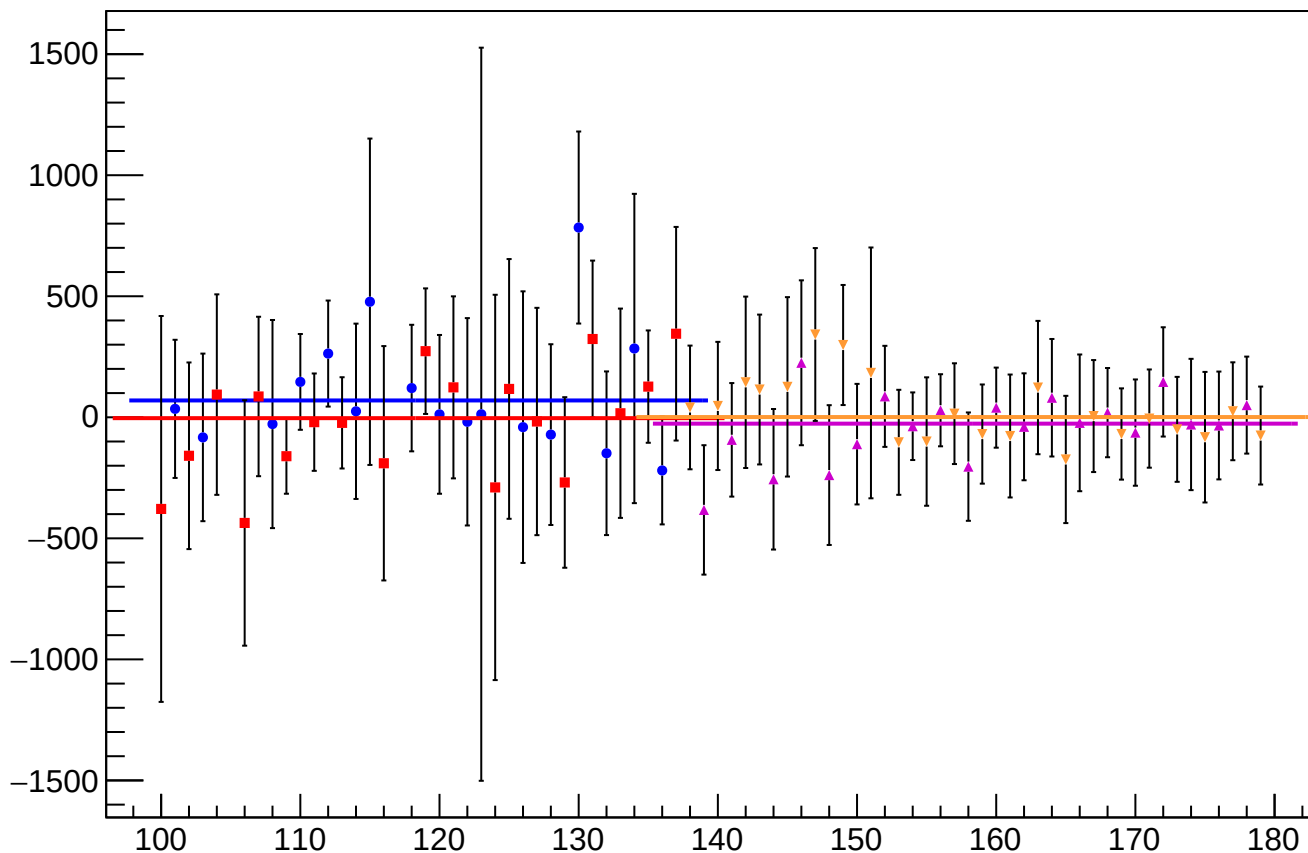
Left In: 2603.825+/-0.476 χ^2/NDF : 594833.2/19

+ sign 2599.891+/-0.384 χ^2/NDF : 725594.7/38

All: 2576.494+/-0.272 χ^2/NDF : 1510706.1/77

- sign 2553.003+/-0.385 χ^2/NDF : 777678.1/38

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



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

Left Out: 0.982 ± 52.433 χ^2/NDF : 4.6/21

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

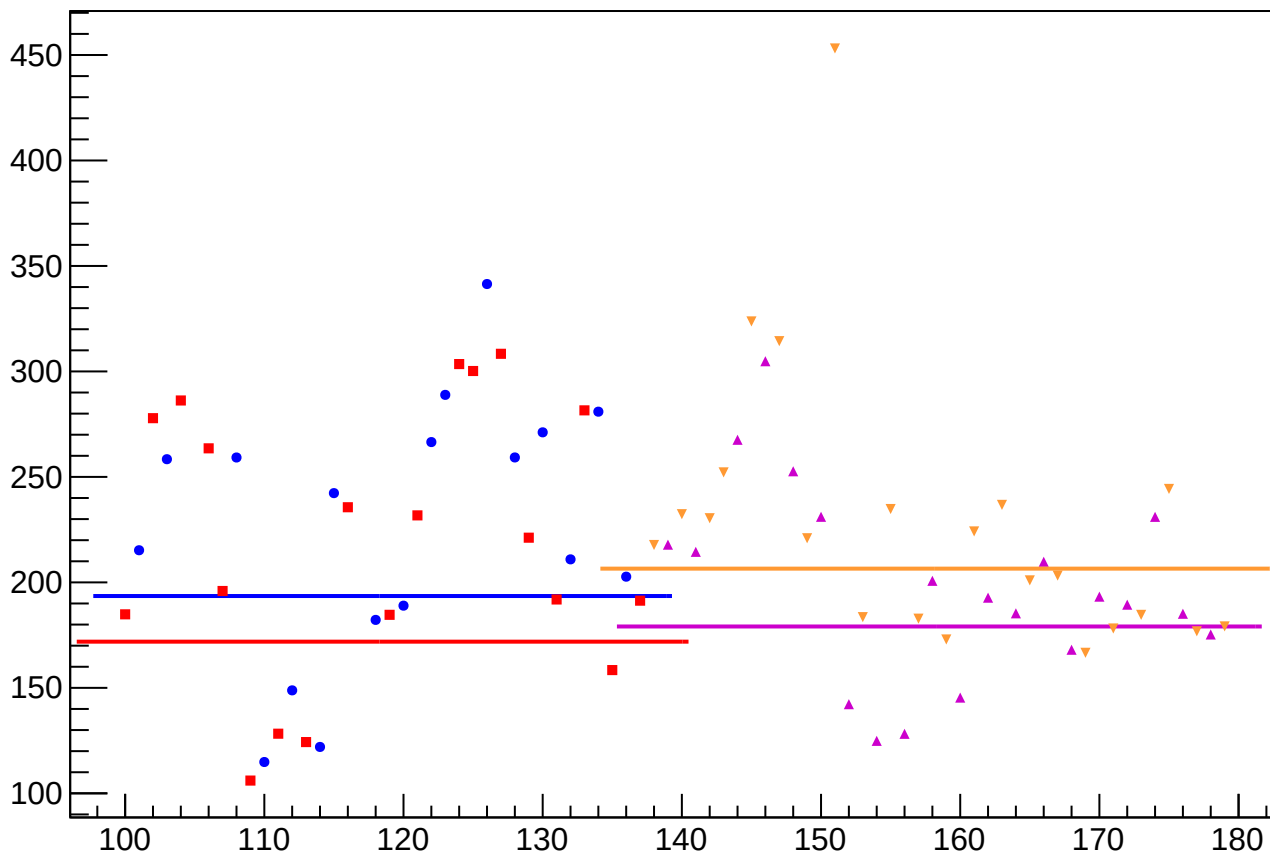
Left In: -26.261 ± 47.938 χ^2/NDF : 5.9/19

+ sign 21.953 ± 43.690 χ^2/NDF : 12.5/38

All: -0.563 ± 29.320 χ^2/NDF : 25.4/77

- sign -19.012 ± 39.548 χ^2/NDF : 12.4/38

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: 206.518 $\pm$ 0.037 χ^2/NDF :1346017.4/21

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

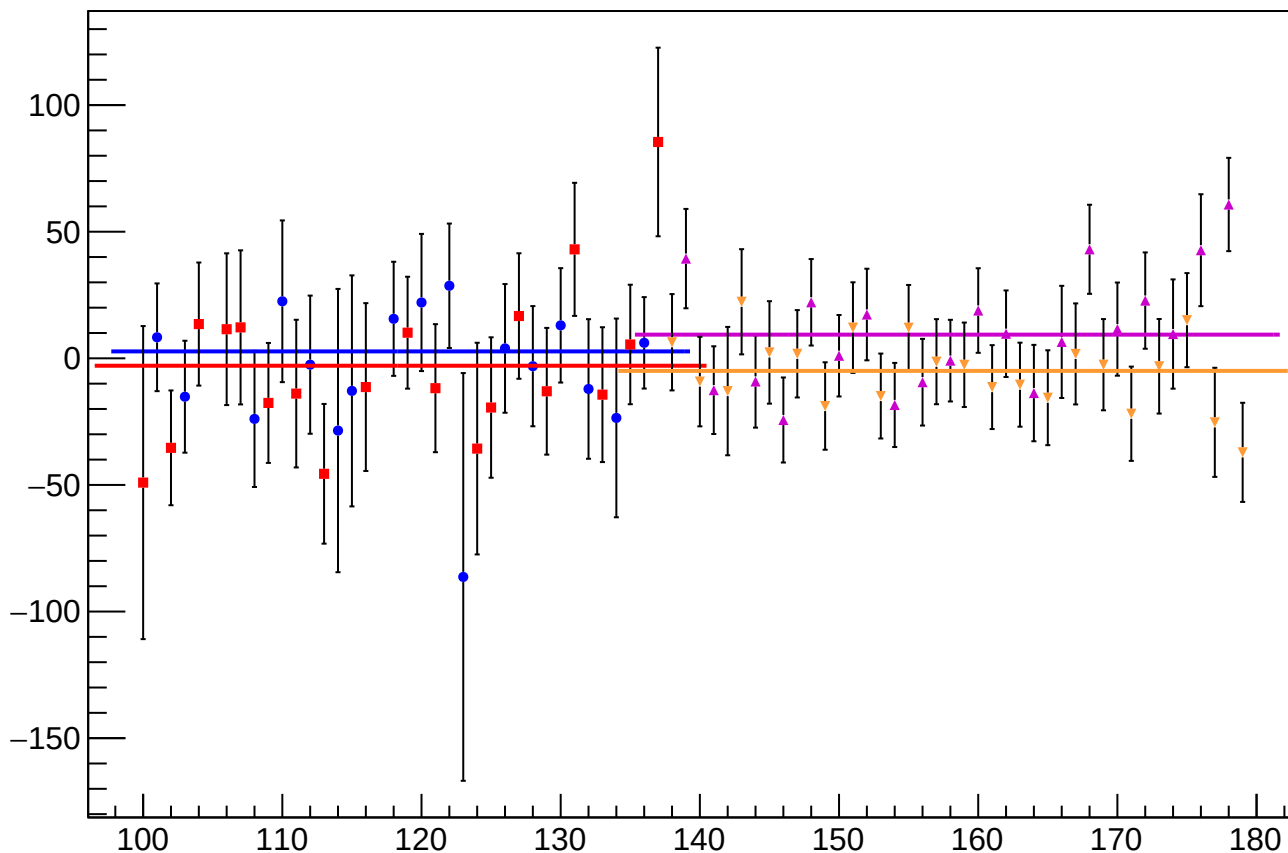
Left In: 179.094 $\pm$ 0.034 χ^2/NDF :1590211.2/19

+ sign 202.549 $\pm$ 0.031 χ^2/NDF : 2393941.7/38

All: 188.395 $\pm$ 0.021 χ^2/NDF : 5957334.8/77

- sign 176.797 $\pm$ 0.028 χ^2/NDF : 3181480.1/38

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: -4.964 ± 3.908 χ^2/NDF : 11.8/21

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

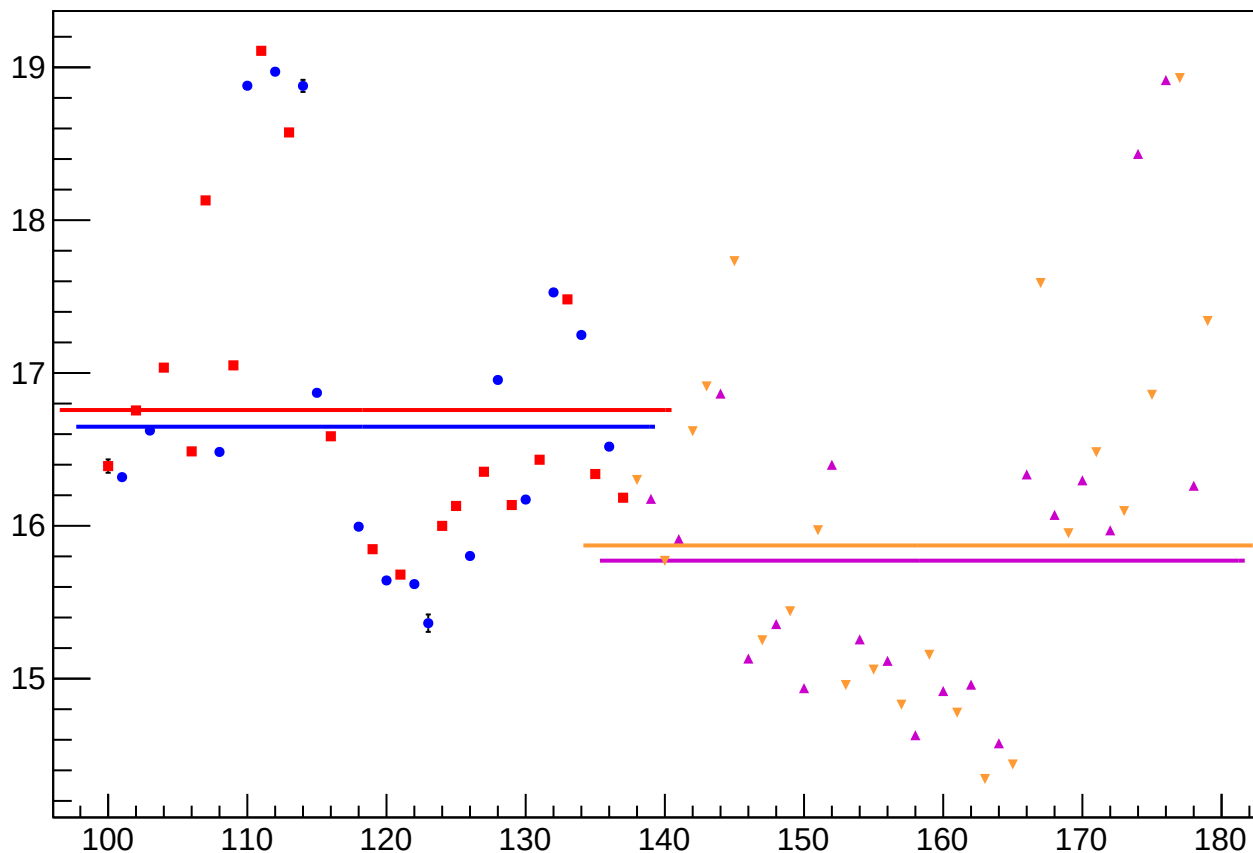
Left In: 9.353 ± 4.028 χ^2/NDF : 30.5/19

+ sign -2.885 ± 3.339 χ^2/NDF : 19.6/38

All: 1.377 ± 2.379 χ^2/NDF : 73.9/77

- sign 5.772 ± 3.390 χ^2/NDF : 50.9/38

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: 15.872 $\pm$ 0.003 χ^2 /NDF: 162467.5/21

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

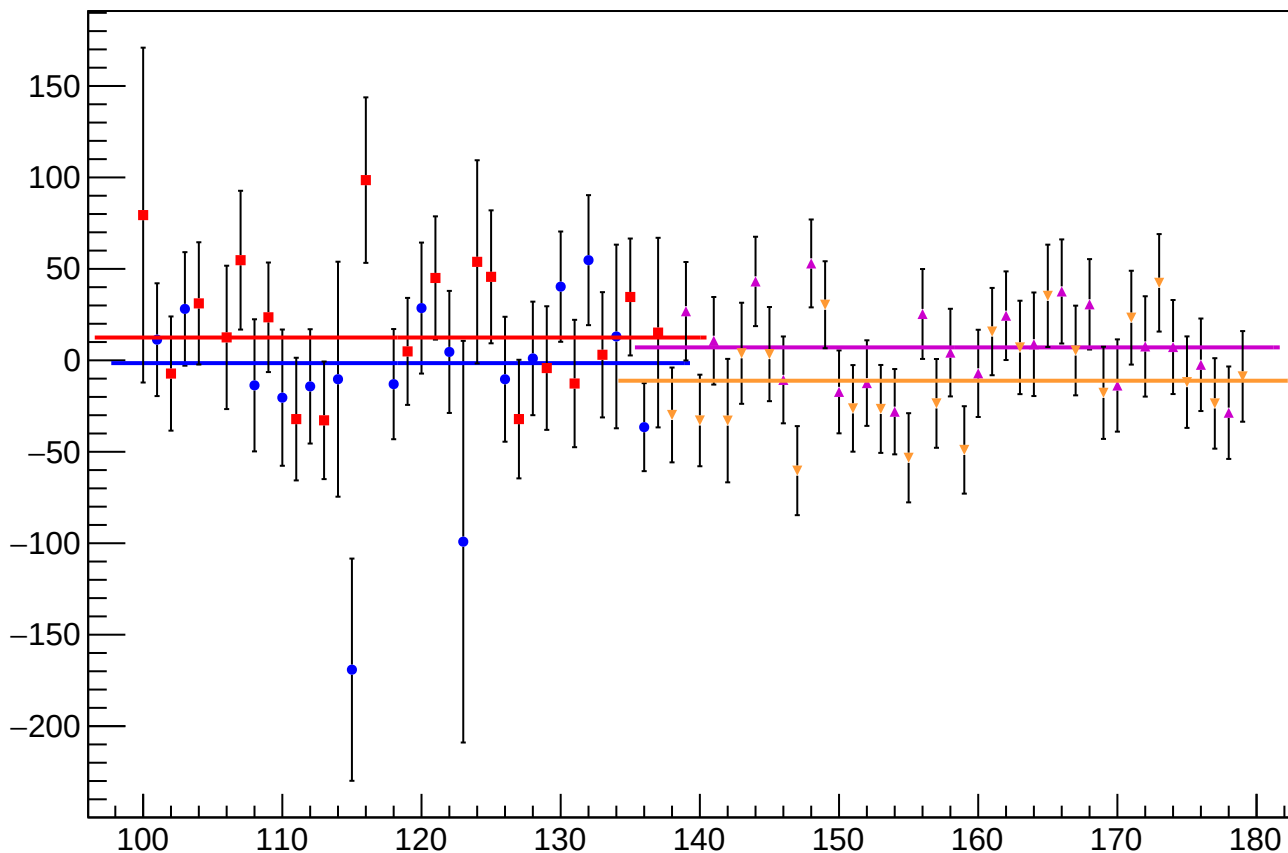
Left In: 15.772 $\pm$ 0.003 χ^2 /NDF: 128624.0/19

+ sign 16.082 $\pm$ 0.002 χ^2 /NDF: 226380.8/38

All: 16.071 $\pm$ 0.002 χ^2 /NDF: 429909.7/77

- sign 16.060 $\pm$ 0.002 χ^2 /NDF: 203486.1/38

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: -11.142 ± 5.386 χ^2/NDF : 27.2/21

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

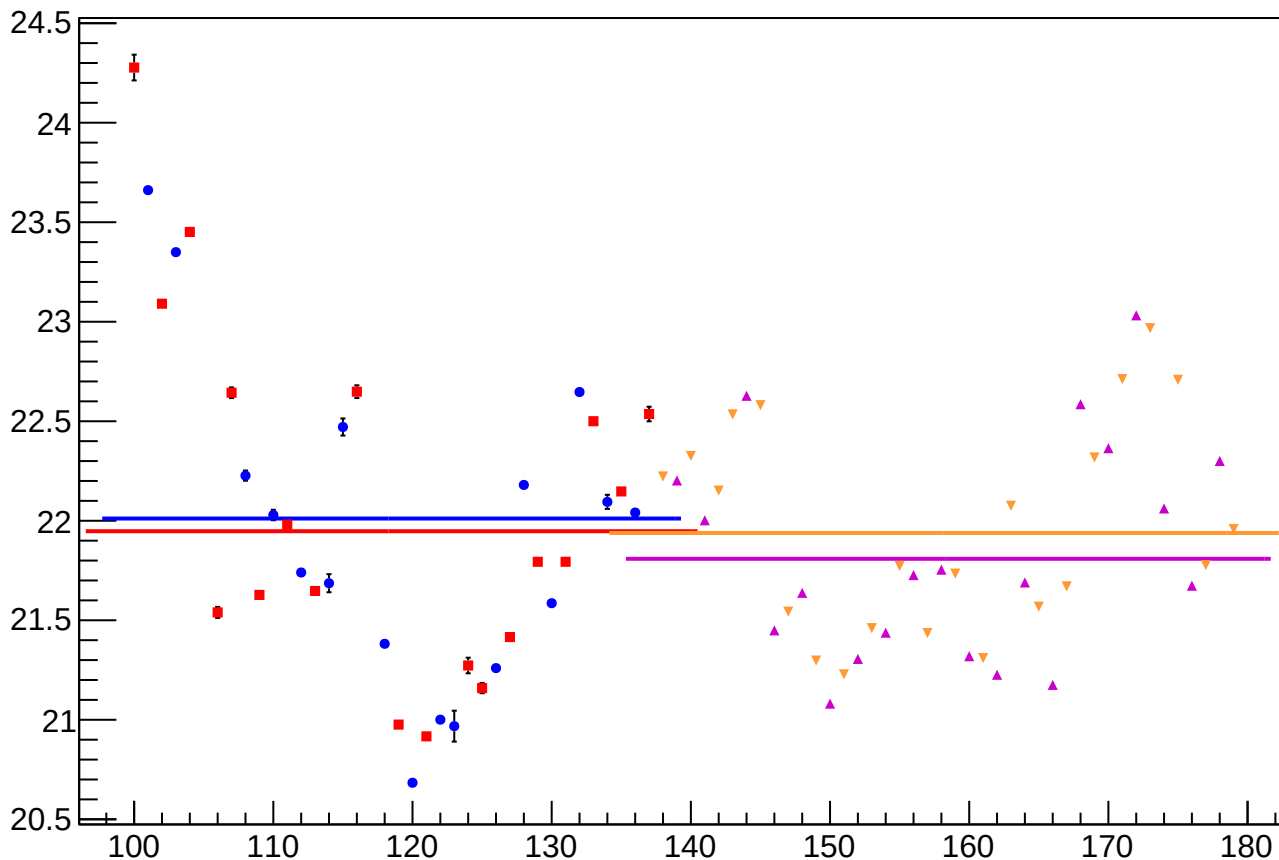
Left In: 7.084 ± 5.552 χ^2/NDF : 17.4/19

+ sign -8.380 ± 4.547 χ^2/NDF : 45.7/38

All: 0.100 ± 3.234 χ^2/NDF : 86.0/77

- sign 8.776 ± 4.599 χ^2/NDF : 33.3/38

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: 21.939 $\pm$ 0.004 χ^2 /NDF:17904.0/21

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

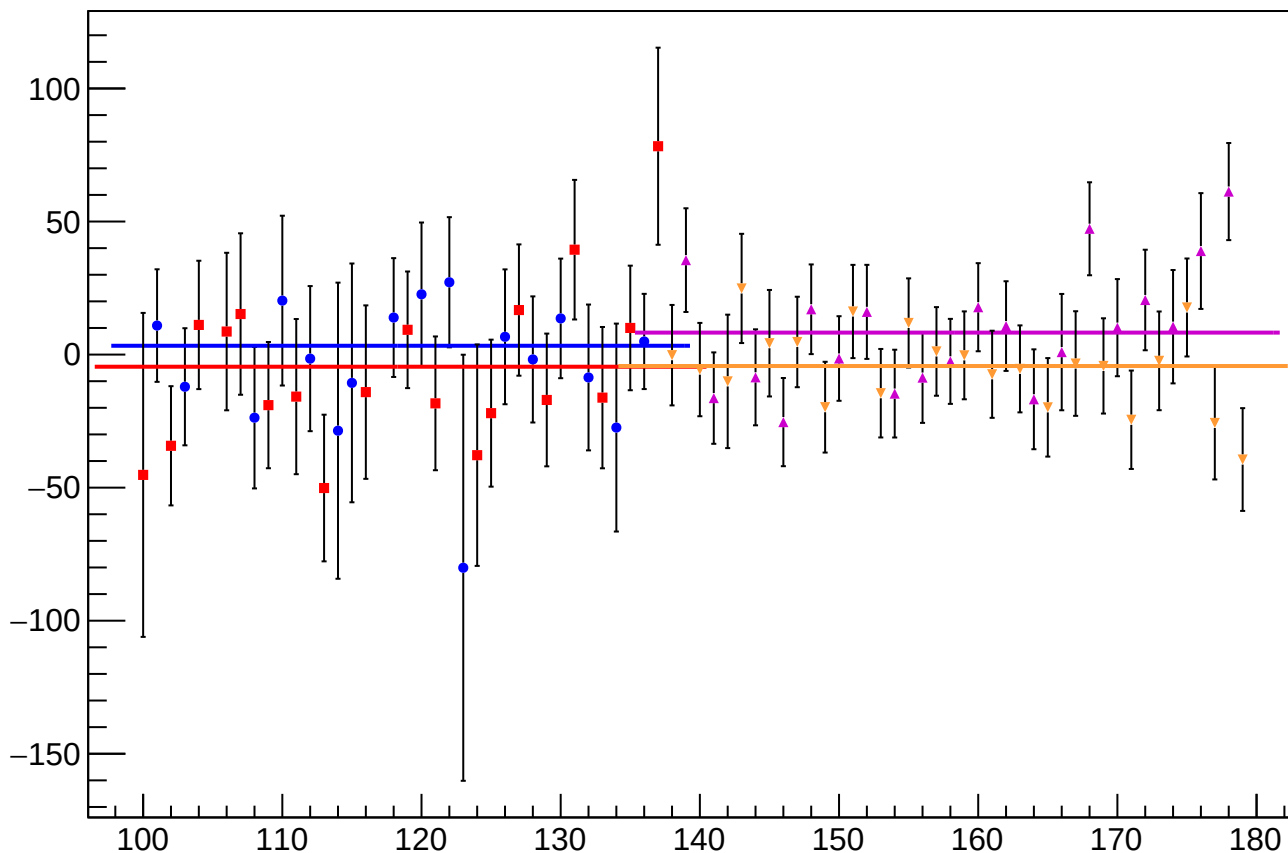
Left In: 21.809 $\pm$ 0.004 χ^2 /NDF:17845.2/19

+ sign 21.959 $\pm$ 0.003 χ^2 /NDF: 35555.2/38

All: 21.907 $\pm$ 0.002 χ^2 /NDF: 70932.4/77

- sign 21.852 $\pm$ 0.003 χ^2 /NDF: 34829.0/38

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: -4.297+/-3.866 χ^2/NDF : 14.0/21

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

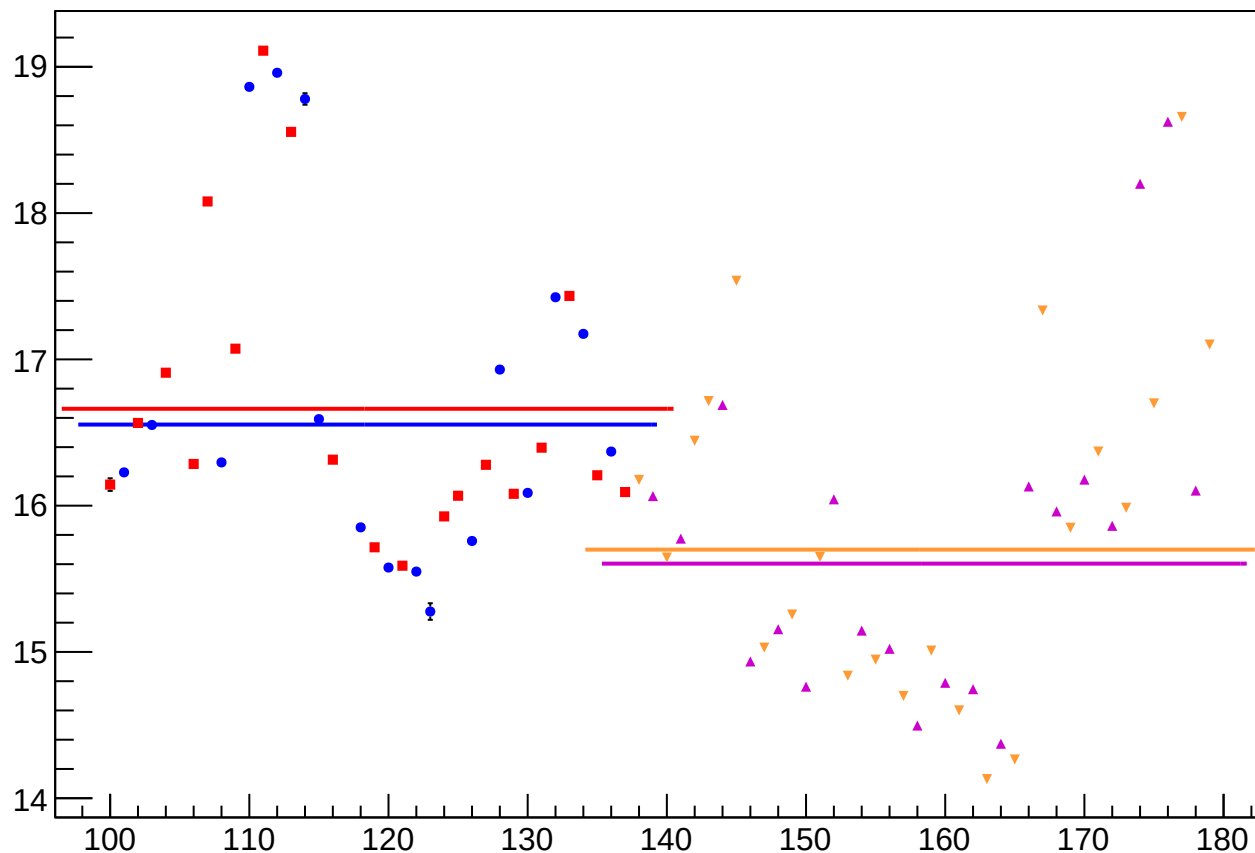
Left In: 8.260+/-3.985 χ^2/NDF : 31.3/19

+ sign -2.256+/-3.307 χ^2/NDF : 21.3/38

All: 1.094+/-2.357 χ^2/NDF : 75.4/77

- sign 4.549+/-3.359 χ^2/NDF : 52.0/38

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: 15.700 $\pm$ 0.003 χ^2 /NDF:161220.3/21

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

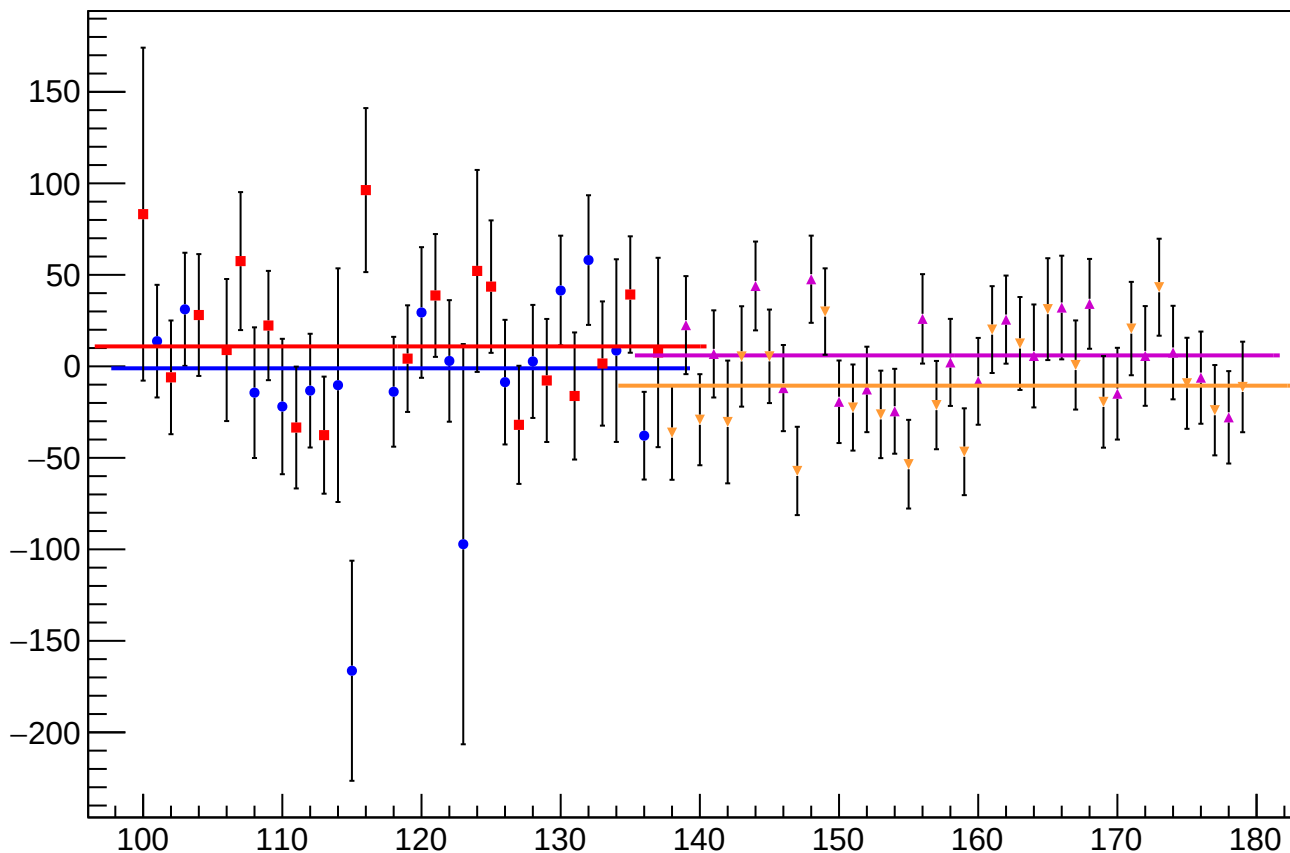
Left In: 15.604 $\pm$ 0.003 χ^2 /NDF:126330.9/19

+ sign 15.929 $\pm$ 0.002 χ^2 /NDF: 231907.4/38

All: 15.920 $\pm$ 0.002 χ^2 /NDF: 442184.6/77

- sign 15.910 $\pm$ 0.002 χ^2 /NDF: 210246.1/38

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: -10.556 ± 5.354 χ^2/NDF : 26.6/21

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

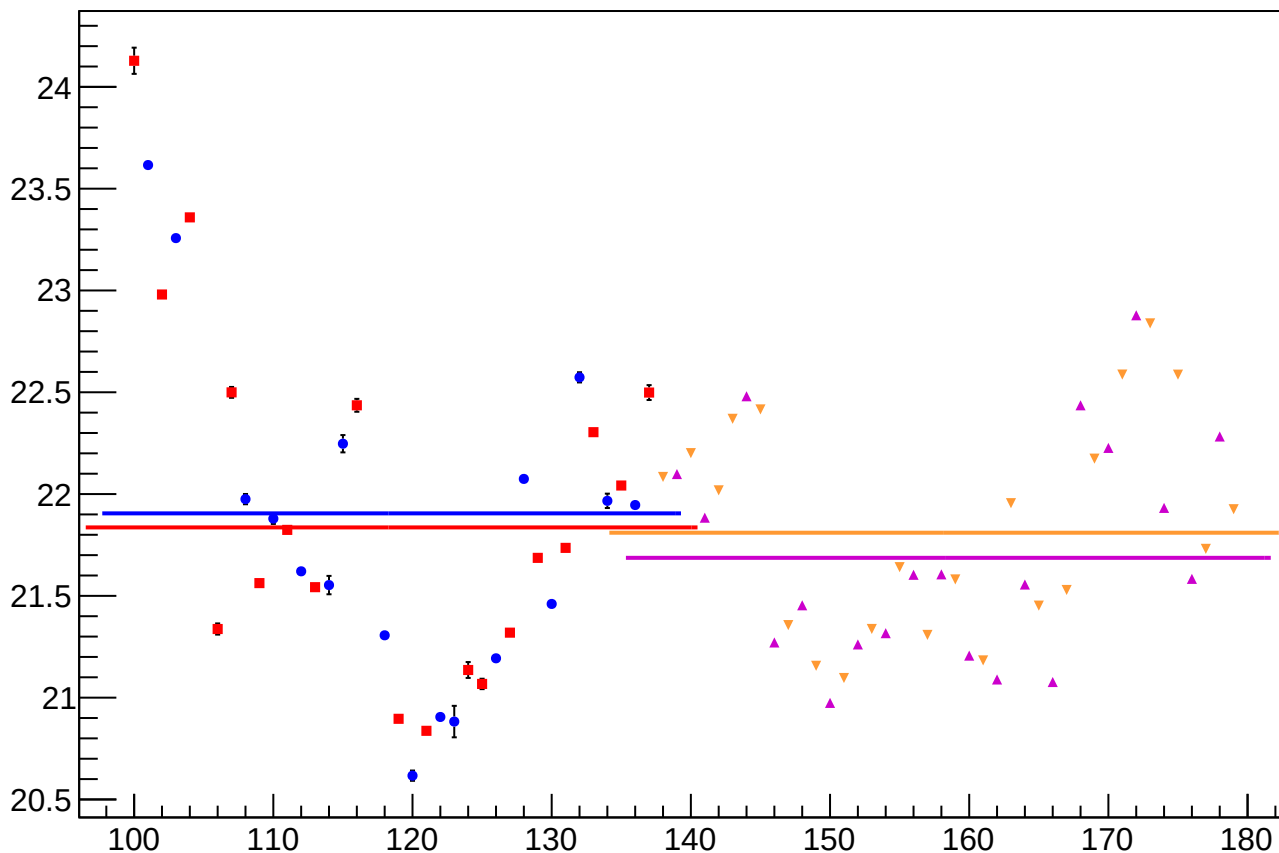
Left In: 5.983 ± 5.521 χ^2/NDF : 16.7/19

+ sign -7.835 ± 4.522 χ^2/NDF : 46.0/38

All: -0.244 ± 3.216 χ^2/NDF : 84.9/77

- sign 7.525 ± 4.574 χ^2/NDF : 33.2/38

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: 21.810 $\pm$ 0.004 χ^2 /NDF: 18123.8/21

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

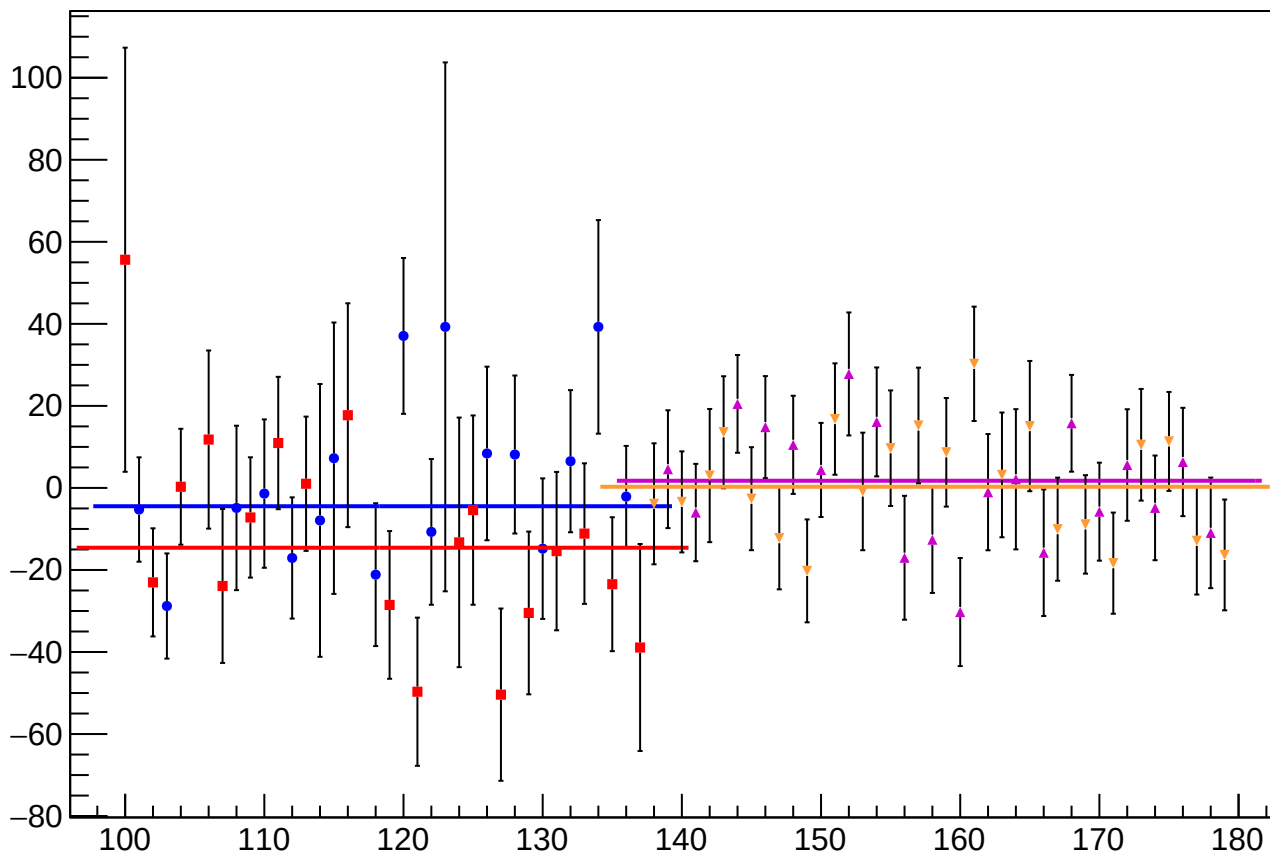
Left In: 21.687 $\pm$ 0.004 χ^2 /NDF: 17744.5/19

+ sign 21.837 $\pm$ 0.003 χ^2 /NDF: 36098.7/38

All: 21.786 $\pm$ 0.002 χ^2 /NDF: 71073.9/77

- sign 21.734 $\pm$ 0.003 χ^2 /NDF: 34454.9/38

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: 0.290 ± 2.859 χ^2/NDF : 21.3/21

Right Out: -14.579 ± 4.264 χ^2/NDF : 19.5/18

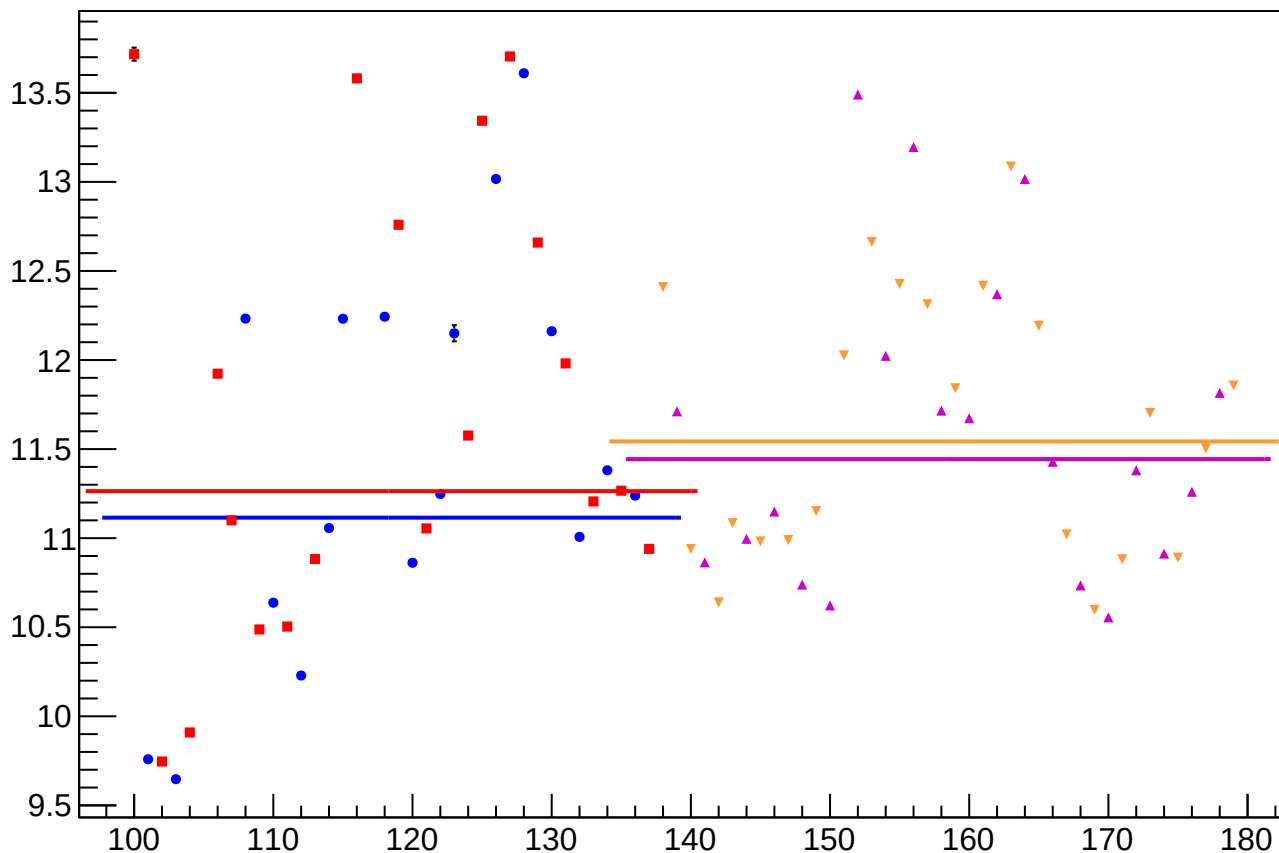
Left In: 1.750 ± 2.938 χ^2/NDF : 22.0/19

+ sign -1.153 ± 2.385 χ^2/NDF : 37.4/38

All: -2.314 ± 1.699 χ^2/NDF : 89.3/77

- sign -3.508 ± 2.420 χ^2/NDF : 51.4/38

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: 11.543 $\pm$ 0.002 χ^2 /NDF:120261.3/21

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

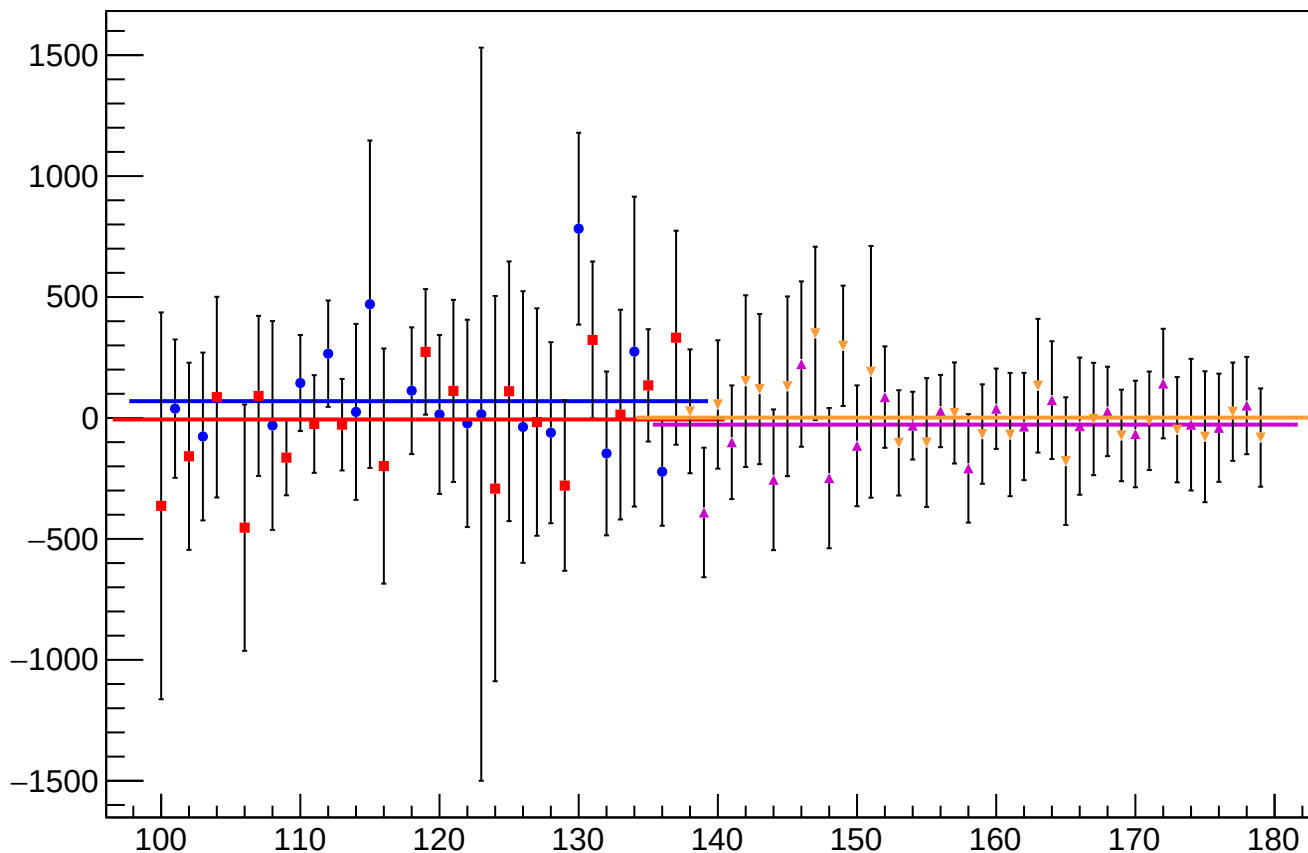
Left In: 11.444 $\pm$ 0.002 χ^2 /NDF:145248.9/19

+ sign 11.413 $\pm$ 0.002 χ^2 /NDF: 266933.3/38

All: 11.400 $\pm$ 0.001 χ^2 /NDF: 562206.5/77

- sign 11.386 $\pm$ 0.002 χ^2 /NDF: 295145.8/38

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 69.470 $\pm$ 79.231 χ^2 /NDF: 7.3/16

Left Out: 1.358 $\pm$ 52.627 χ^2 /NDF: 4.7/21

Right Out: -6.194 $\pm$ 70.182 χ^2 /NDF: 6.5/18

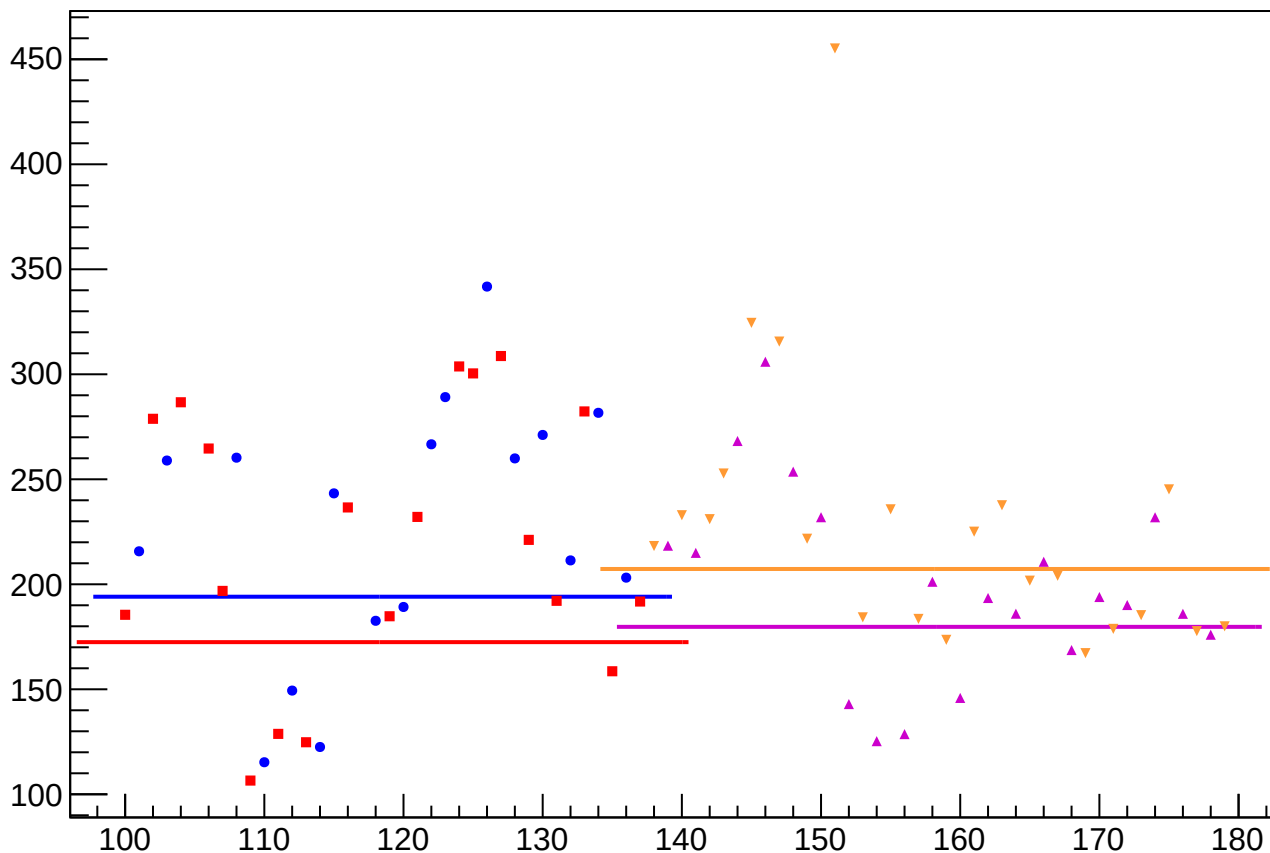
Left In: -27.544 $\pm$ 48.107 χ^2 /NDF: 6.0/19

+ sign 22.209 $\pm$ 43.838 χ^2 /NDF: 12.5/38

All: -1.387 $\pm$ 29.418 χ^2 /NDF: 25.6/77

- sign -20.719 $\pm$ 39.680 χ^2 /NDF: 12.6/38

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: 207.289 $\pm$ 0.037 χ^2 /NDF:1343514.5/21

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

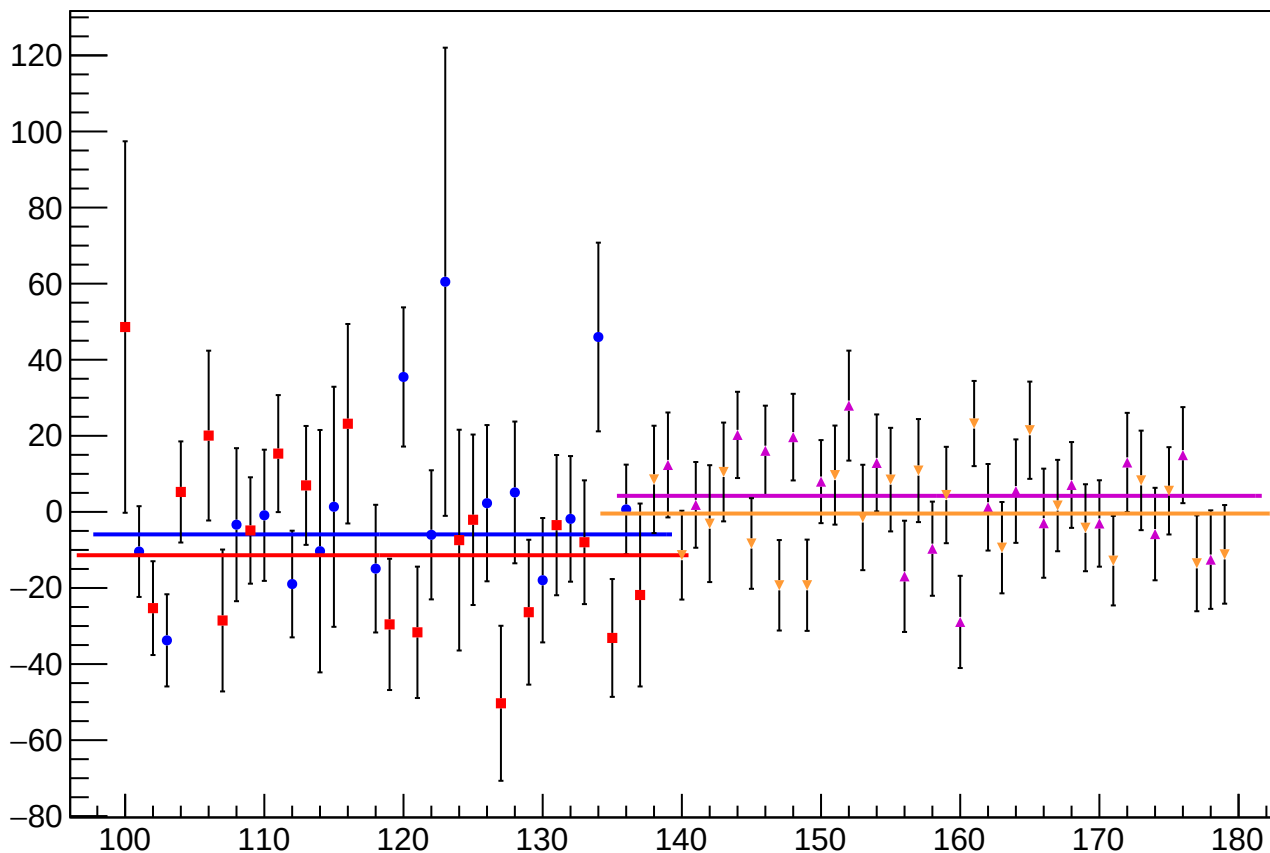
Left In: 179.732 $\pm$ 0.034 χ^2 /NDF:1588504.8/19

+ sign 203.246 $\pm$ 0.031 χ^2 /NDF: 2387473.6/38

All: 189.042 $\pm$ 0.021 χ^2 /NDF: 5942072.6/77

- sign 177.405 $\pm$ 0.028 χ^2 /NDF: 3172610.6/38

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: -0.431 ± 2.670 χ^2/NDF : 21.0/21

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

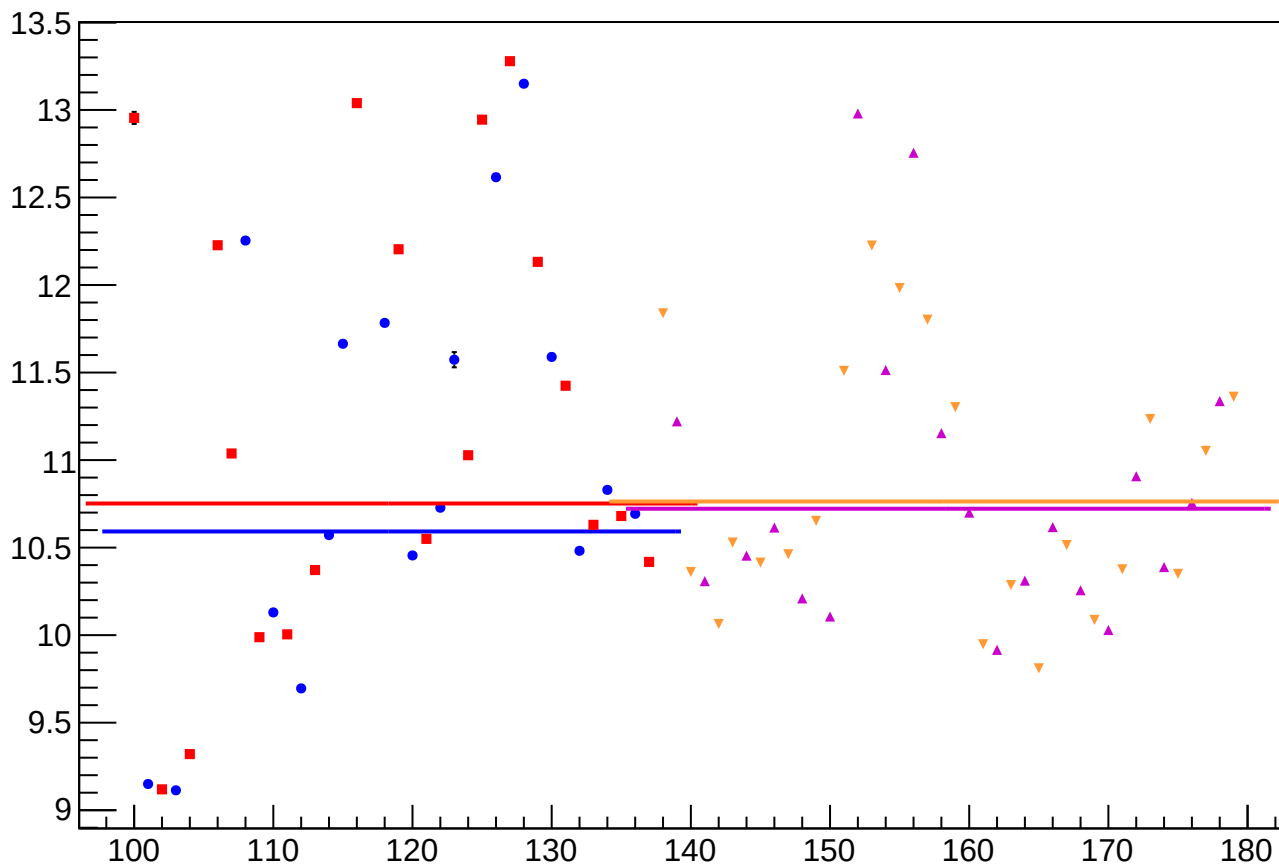
Left In: 4.224 ± 2.757 χ^2/NDF : 23.7/19

+ sign -2.045 ± 2.243 χ^2/NDF : 41.1/38

All: -1.372 ± 1.600 χ^2/NDF : 97.8/77

- sign -0.673 ± 2.284 χ^2/NDF : 56.6/38

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592 $\pm$ 0.003 χ^2 /NDF: 160397.9/16

Left Out: 10.763 $\pm$ 0.002 χ^2 /NDF:127633.0/21

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 176895.3/18

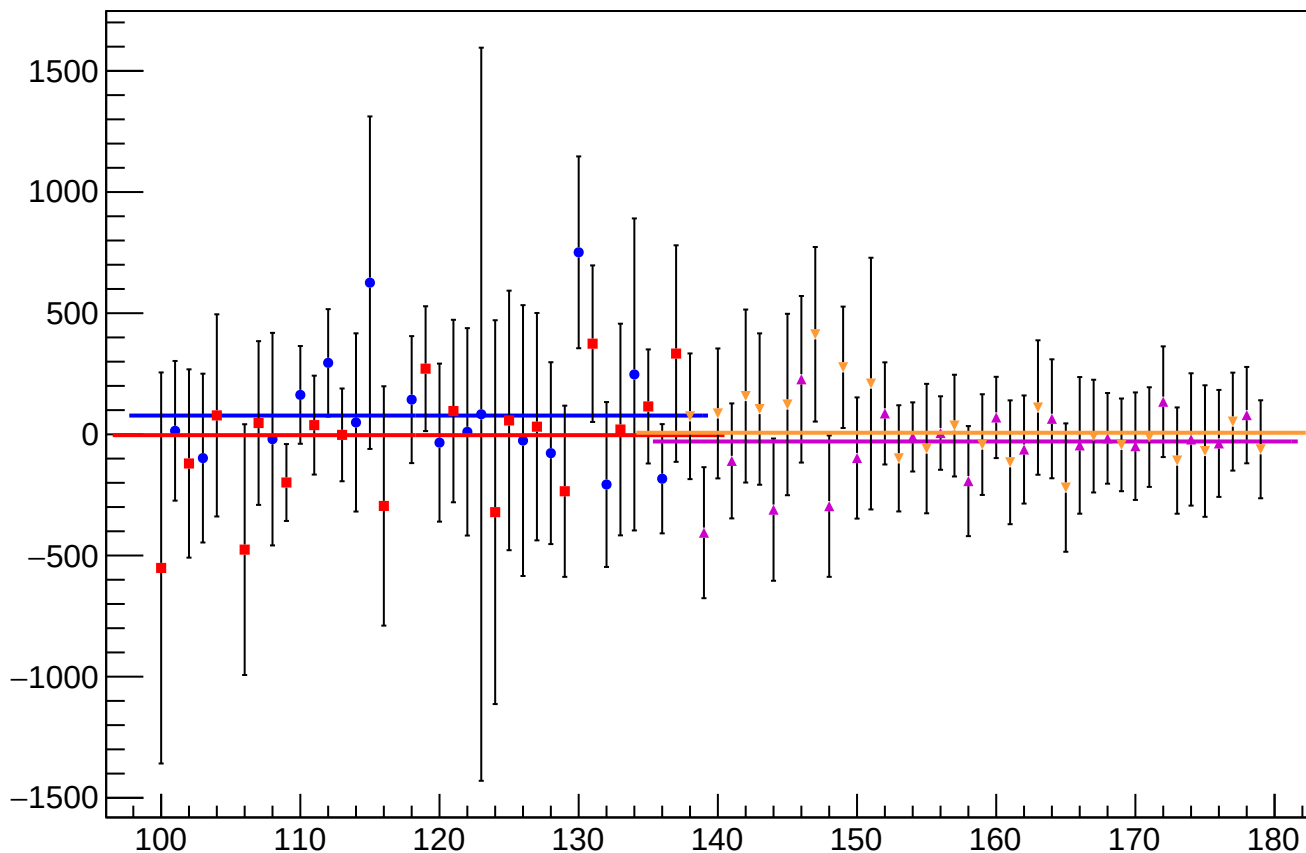
Left In: 10.722 $\pm$ 0.002 χ^2 /NDF:143906.0/19

+ sign 10.713 $\pm$ 0.002 χ^2 /NDF: 290452.4/38

All: 10.722 $\pm$ 0.001 χ^2 /NDF: 611393.8/77

- sign 10.731 $\pm$ 0.002 χ^2 /NDF: 320875.2/38

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: 6.665 $\pm$ 52.898 χ^2 /NDF: 5.2/21

Right Out: -3.305 $\pm$ 70.855 χ^2 /NDF: 7.4/18

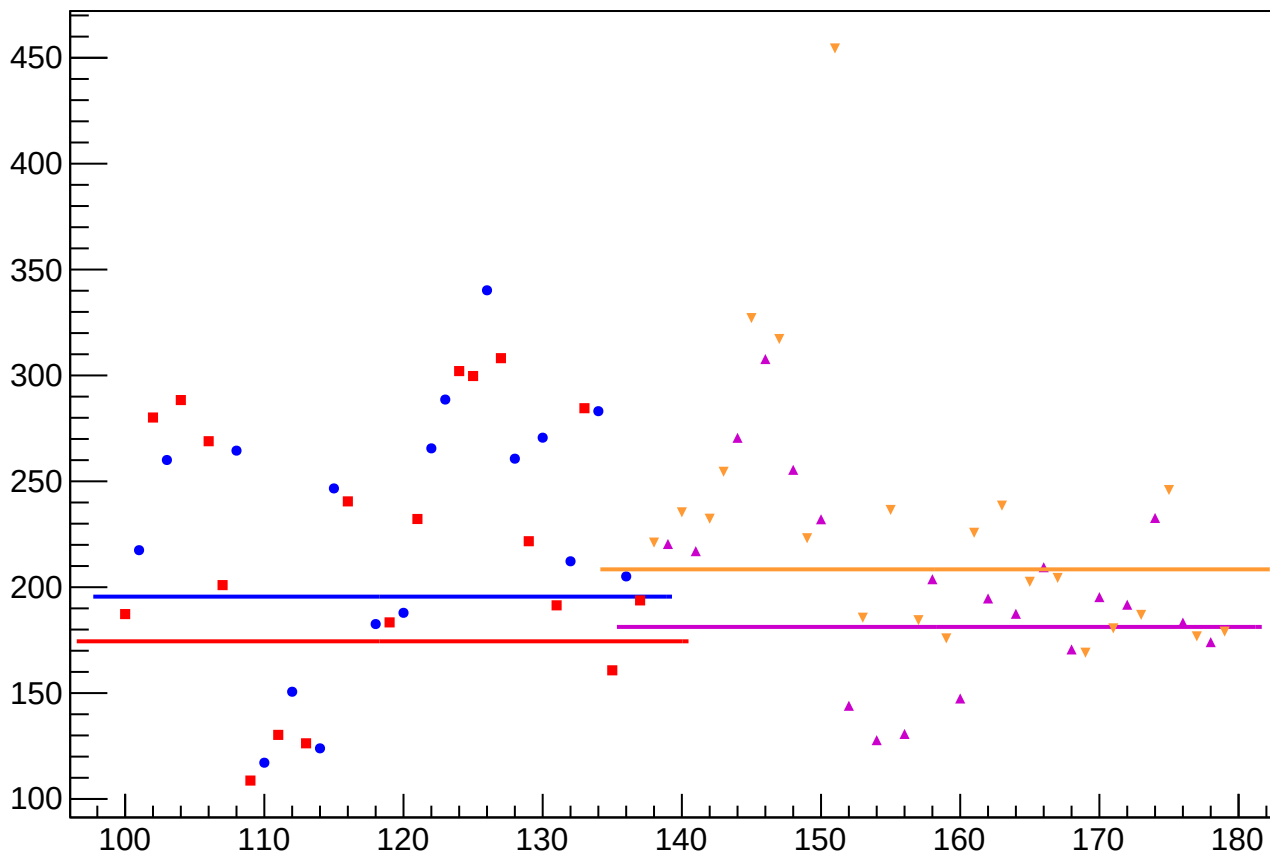
Left In: -29.379 $\pm$ 48.459 χ^2 /NDF: 6.7/19

+ sign 28.335 $\pm$ 44.082 χ^2 /NDF: 13.3/38

All: 1.239 $\pm$ 29.622 χ^2 /NDF: 28.1/77

- sign -21.070 $\pm$ 39.999 χ^2 /NDF: 14.1/38

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: 208.432 $\pm$ 0.037 χ^2 /NDF:1339535.2/21

Right Out: 174.449 $\pm$ 0.050 χ^2 /NDF: 1528629.1/18

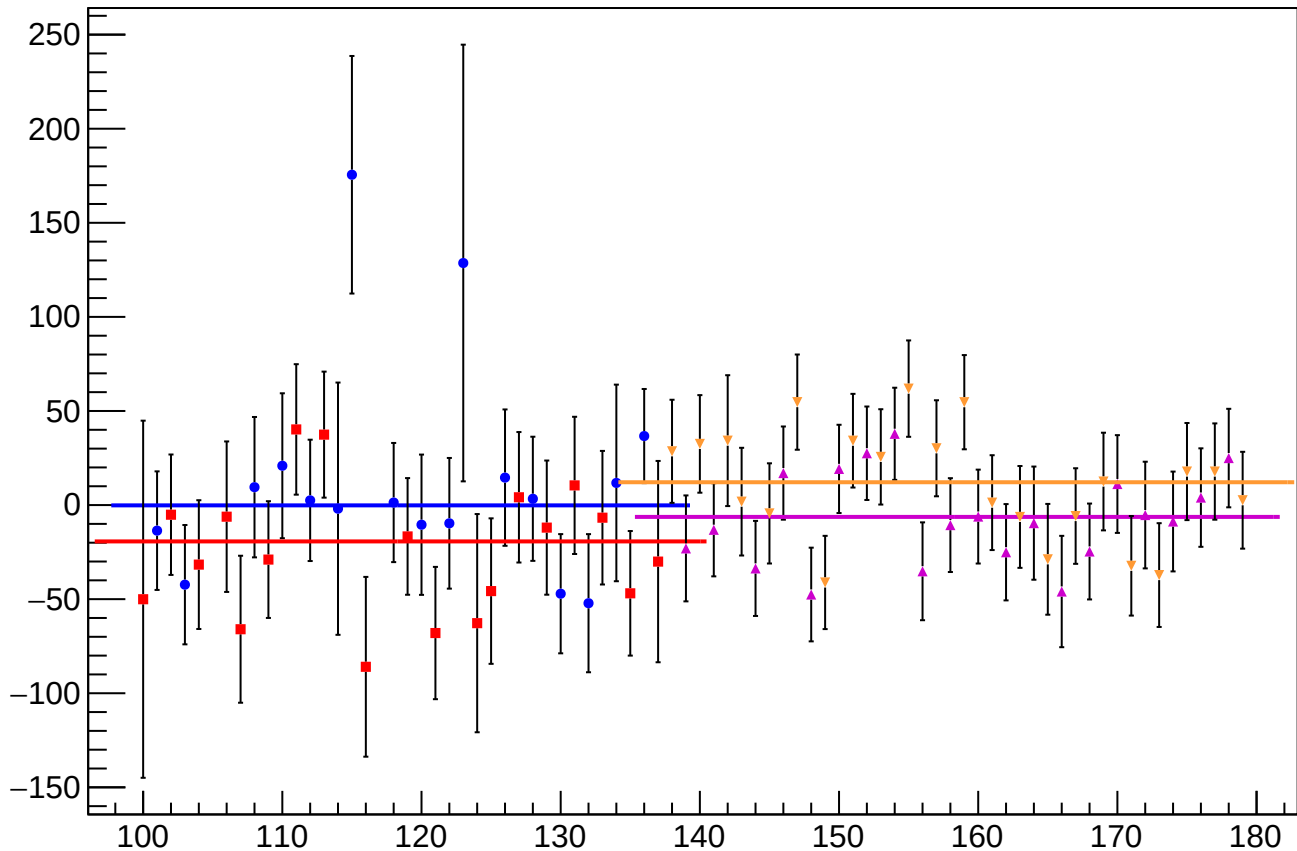
Left In: 181.248 $\pm$ 0.034 χ^2 /NDF:1542761.5/19

+ sign 204.496 $\pm$ 0.031 χ^2 /NDF: 2355705.2/38

All: 190.557 $\pm$ 0.021 χ^2 /NDF: 5804244.4/77

- sign 179.081 $\pm$ 0.028 χ^2 /NDF: 3083935.4/38

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: 12.132 ± 5.615 χ^2/NDF : 26.9/21

Right Out: -19.316 ± 8.554 χ^2/NDF : 14.8/18

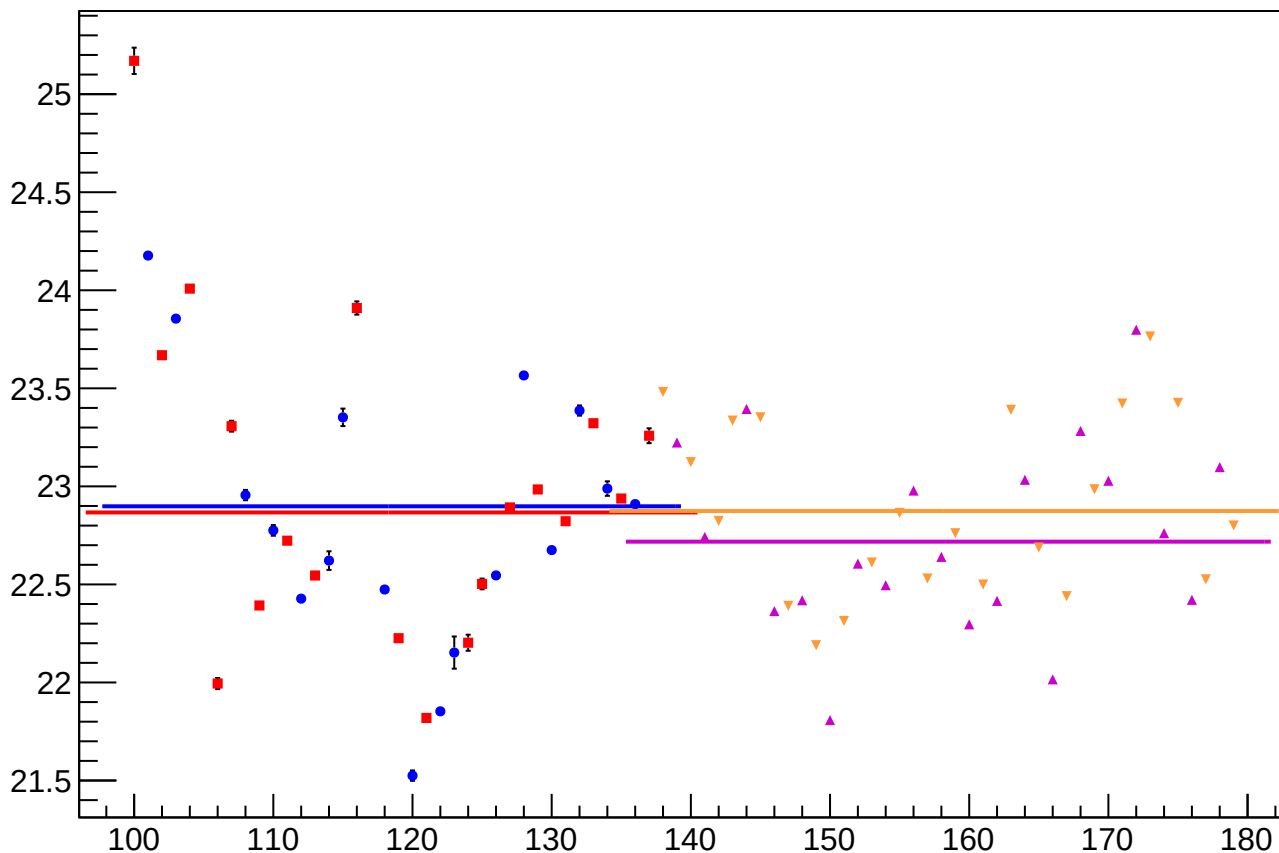
Left In: -6.289 ± 5.784 χ^2/NDF : 17.7/19

+ sign 8.590 ± 4.738 χ^2/NDF : 46.4/38

All: -0.786 ± 3.369 χ^2/NDF : 88.4/77

- sign -10.376 ± 4.791 χ^2/NDF : 34.1/38

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.898 $\pm$ 0.006 χ^2 /NDF: 12143.3/16

Left Out: 22.874 $\pm$ 0.004 χ^2 /NDF: 12341.4/21

Right Out: 22.867 $\pm$ 0.006 χ^2 /NDF: 11048.4/18

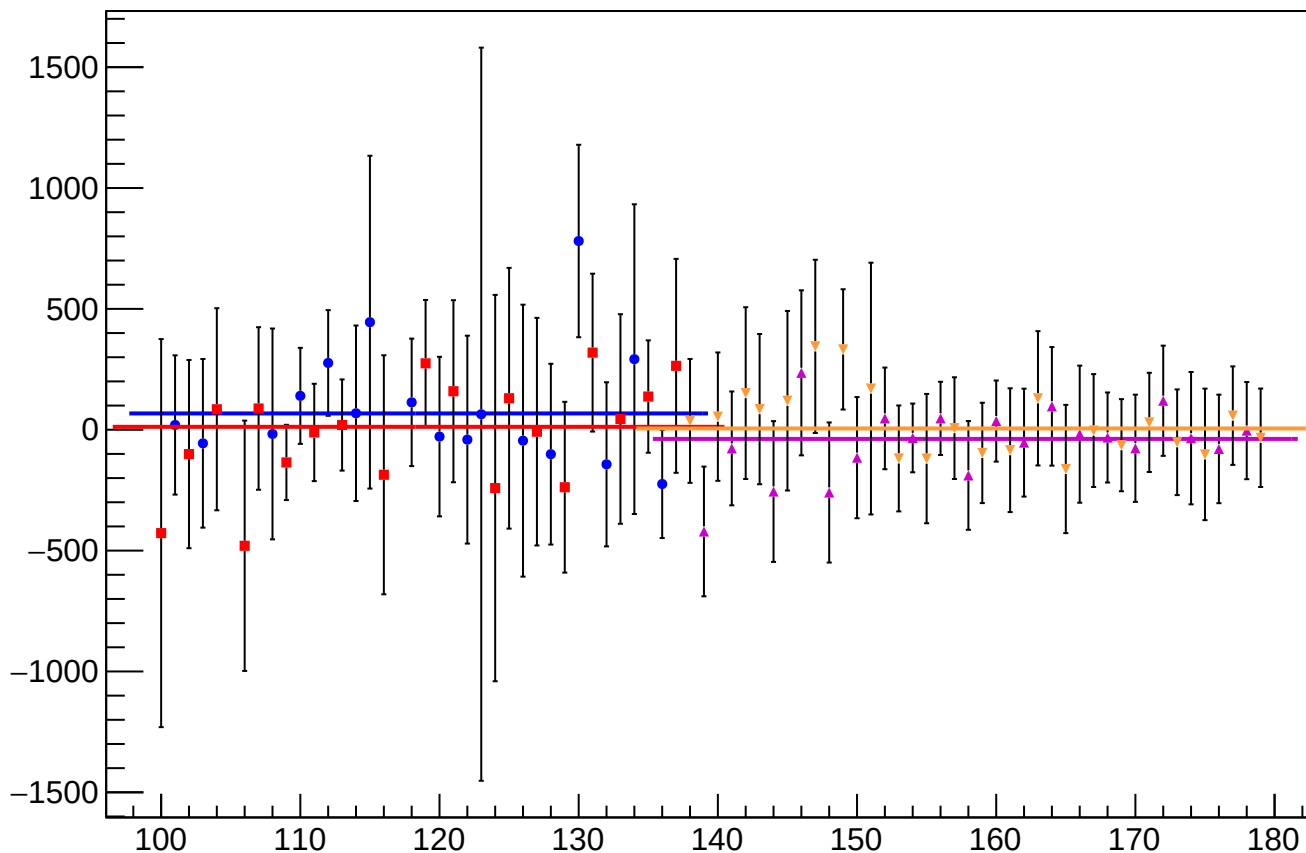
Left In: 22.718 $\pm$ 0.004 χ^2 /NDF: 13272.4/19

+ sign 22.881 $\pm$ 0.003 χ^2 /NDF: 24495.3/38

All: 22.824 $\pm$ 0.002 χ^2 /NDF: 49829.0/77

- sign 22.765 $\pm$ 0.003 χ^2 /NDF: 24736.9/38

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: 5.275 $\pm$ 52.860 χ^2 /NDF: 5.1/21

Right Out: 12.117 $\pm$ 70.355 χ^2 /NDF: 5.8/18

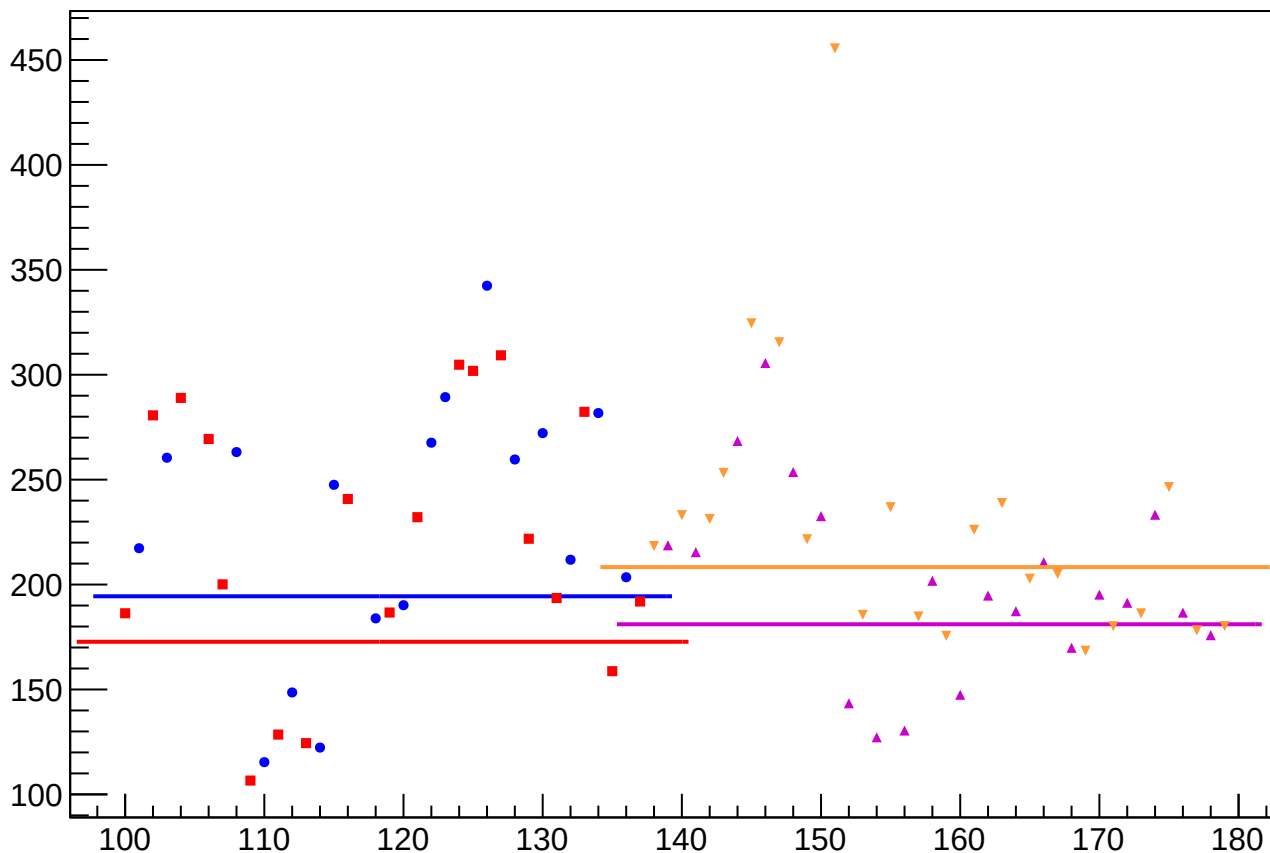
Left In: -37.899 $\pm$ 48.416 χ^2 /NDF: 6.0/19

+ sign 24.367 $\pm$ 44.002 χ^2 /NDF: 12.9/38

All: -0.991 $\pm$ 29.551 χ^2 /NDF: 25.5/77

- sign -21.825 $\pm$ 39.884 χ^2 /NDF: 12.1/38

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: 208.315 $\pm$ 0.037 χ^2 /NDF:1321910.5/21

Right Out: 172.730 $\pm$ 0.050 χ^2 /NDF: 1596758.0/18

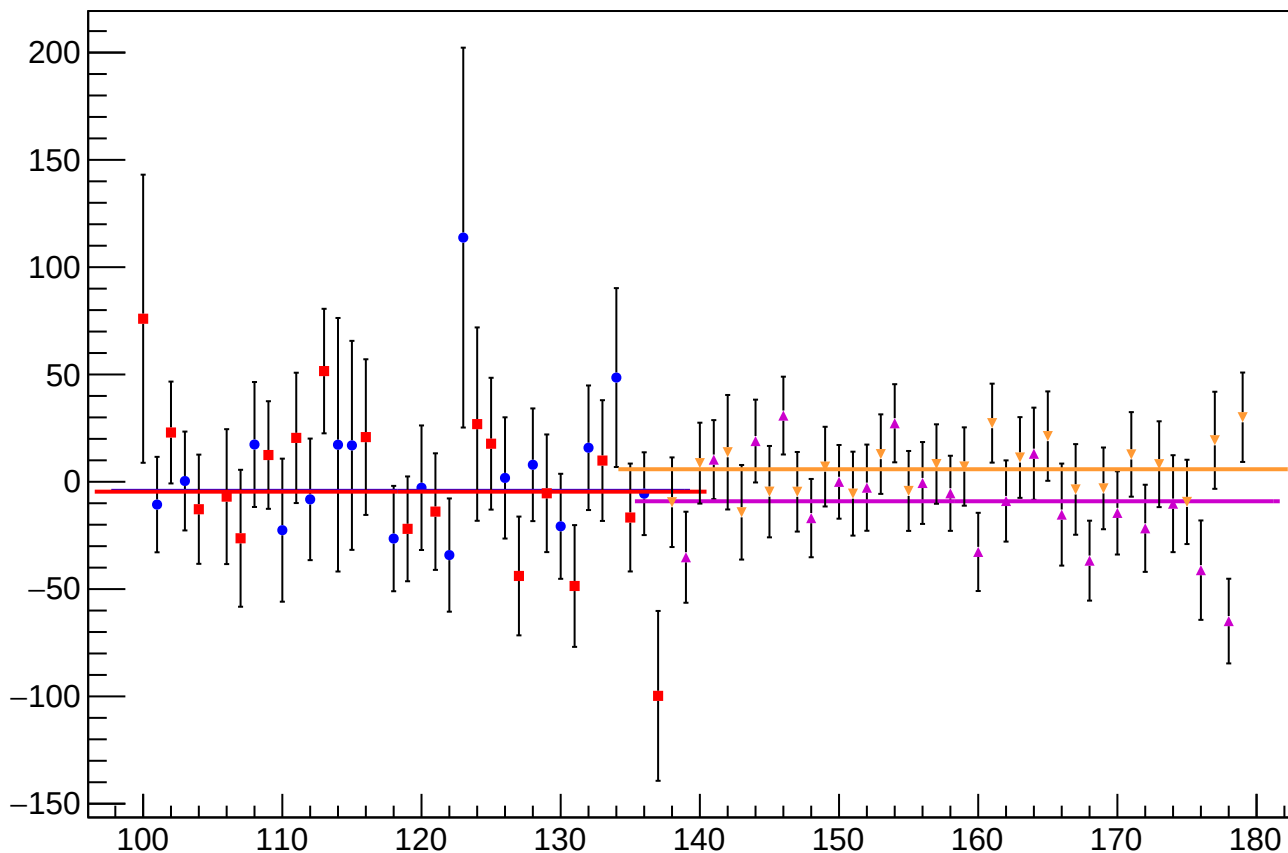
Left In: 181.079 $\pm$ 0.034 χ^2 /NDF:1535425.7/19

+ sign 204.045 $\pm$ 0.031 χ^2 /NDF: 2384316.9/38

All: 189.965 $\pm$ 0.021 χ^2 /NDF: 5908678.1/77

- sign 178.396 $\pm$ 0.028 χ^2 /NDF: 3151295.3/38

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: 5.852 ± 4.228 χ^2/NDF : 7.7/21

Right Out: -4.599 ± 6.725 χ^2/NDF : 21.1/18

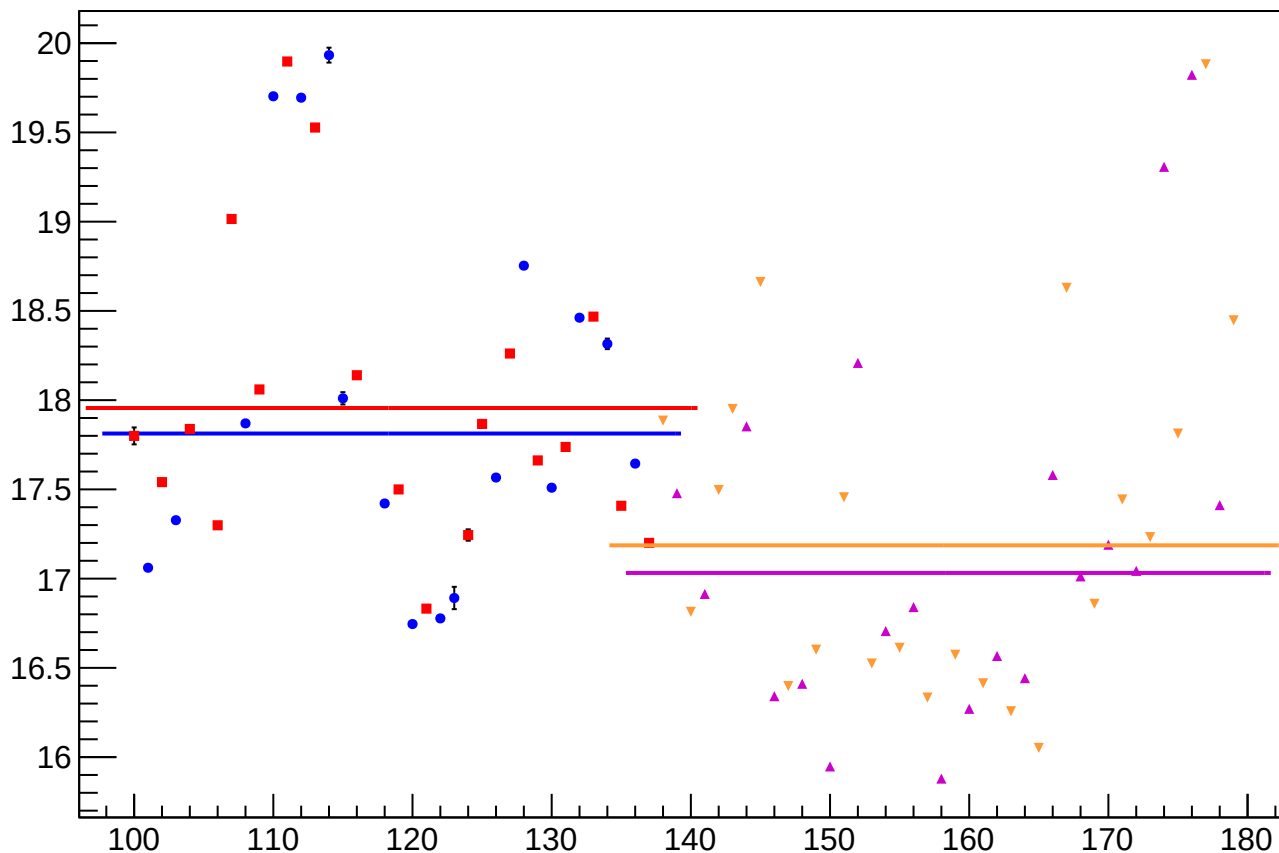
Left In: -9.073 ± 4.347 χ^2/NDF : 29.8/19

+ sign 3.085 ± 3.601 χ^2/NDF : 17.3/38

All: -2.260 ± 2.564 χ^2/NDF : 72.9/77

- sign -7.754 ± 3.651 χ^2/NDF : 51.2/38

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.813 $\pm$ 0.005 χ^2 /NDF: 32034.8/16

Left Out: 17.187 $\pm$ 0.003 χ^2 /NDF: 94620.0/21

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25445.3/18

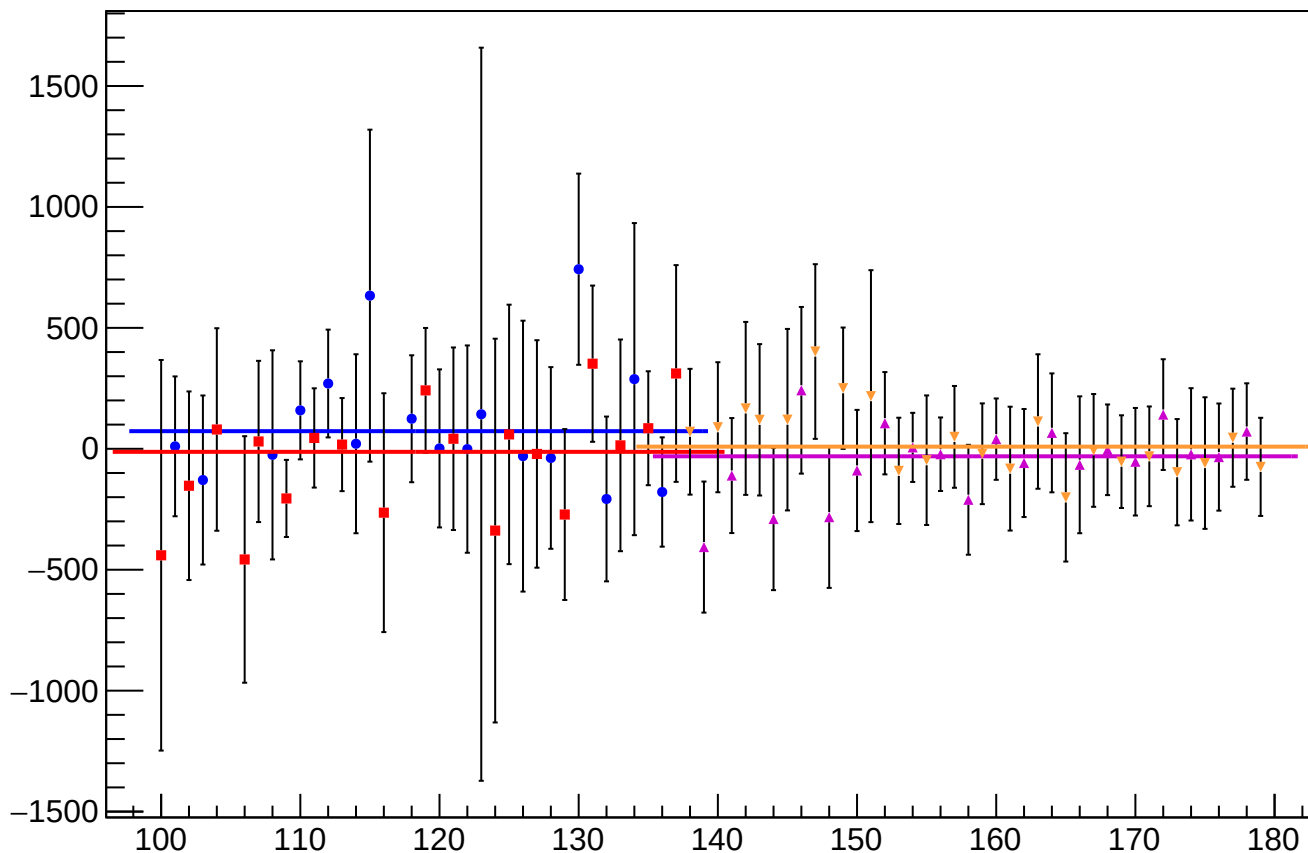
Left In: 17.032 $\pm$ 0.003 χ^2 /NDF: 91666.1/19

+ sign 17.359 $\pm$ 0.003 χ^2 /NDF: 138711.6/38

All: 17.332 $\pm$ 0.002 χ^2 /NDF: 282687.3/77

- sign 17.304 $\pm$ 0.003 χ^2 /NDF: 143750.1/38

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 72.888 $\pm$ 79.948 χ^2 /NDF: 7.2/16

Left Out: 8.928 $\pm$ 53.023 χ^2 /NDF: 4.7/21

Right Out: -12.565 $\pm$ 71.013 χ^2 /NDF: 6.7/18

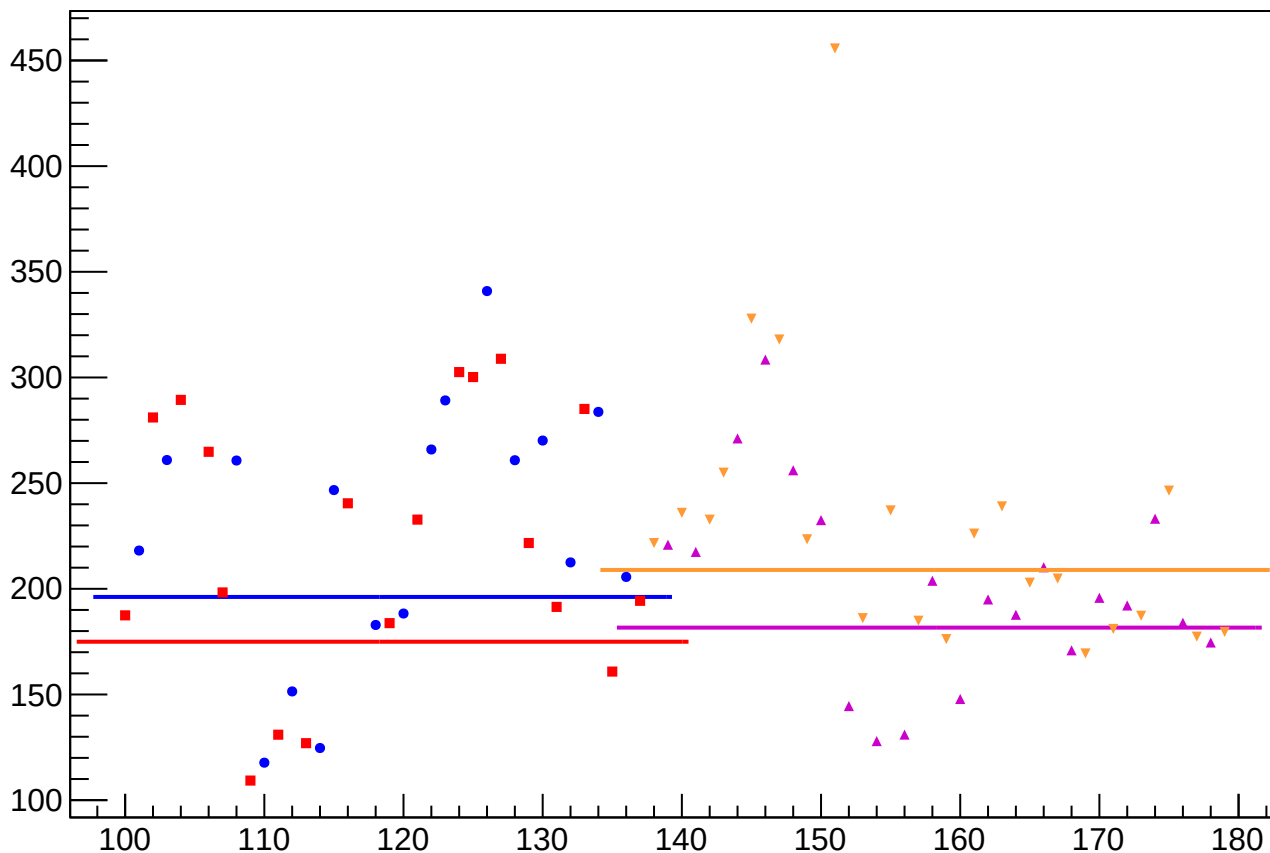
Left In: -31.041 $\pm$ 48.564 χ^2 /NDF: 6.6/19

+ sign 28.467 $\pm$ 44.188 χ^2 /NDF: 12.3/38

All: -0.947 $\pm$ 29.690 χ^2 /NDF: 26.5/77

- sign -25.154 $\pm$ 40.086 χ^2 /NDF: 13.4/38

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.151+/-0.057 χ^2/NDF : 964998.4/16

Left Out: 208.927+/-0.037 χ^2/NDF :1338452.2/21

Right Out: 174.965+/-0.050 χ^2/NDF : 1510956.5/18

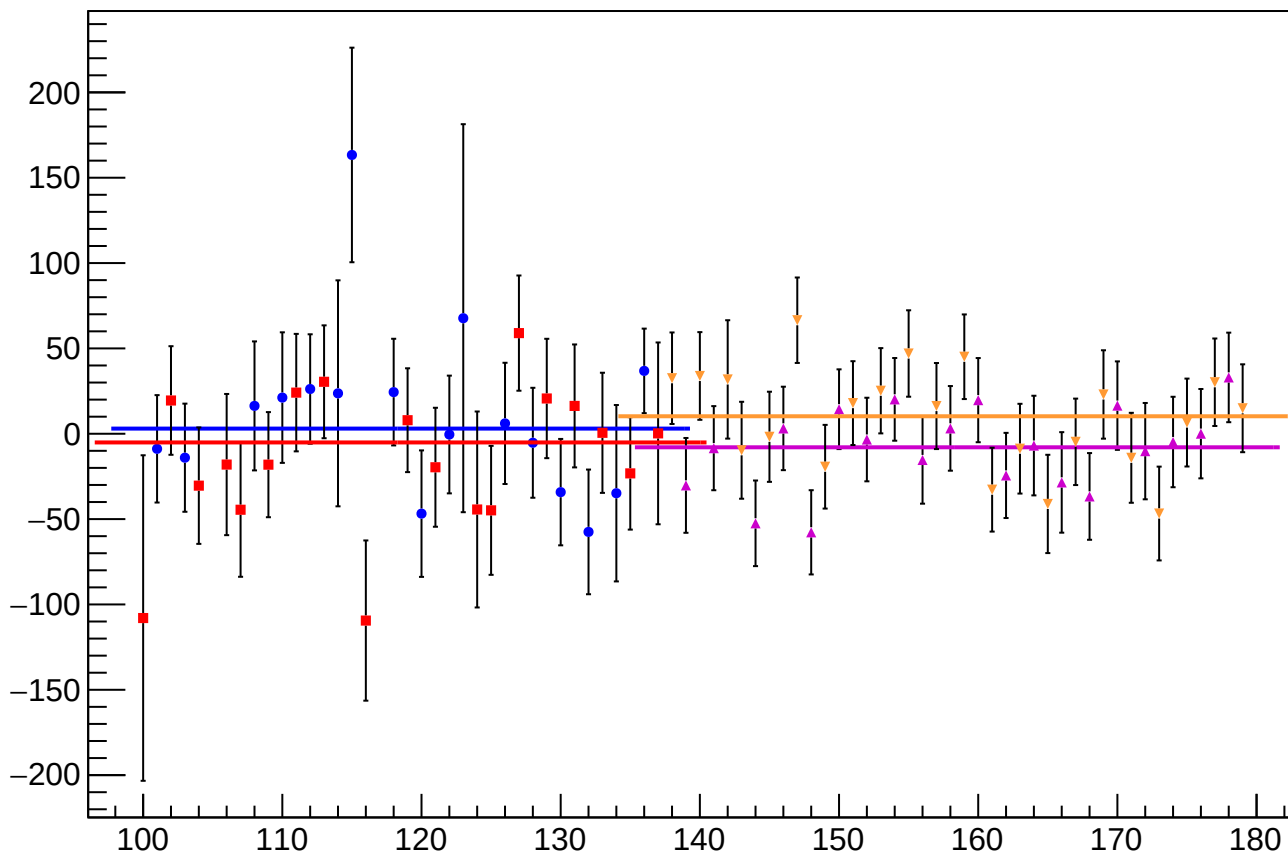
Left In: 181.639+/-0.034 χ^2/NDF :1542405.4/19

+ sign 205.024+/-0.031 χ^2/NDF : 2338924.2/38

All: 191.029+/-0.021 χ^2/NDF : 5770030.6/77

- sign 179.512+/-0.028 χ^2/NDF : 3065398.4/38

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



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

Left Out: 10.246 ± 5.559 $\chi^2/\text{NDF}: 26.9/21$

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

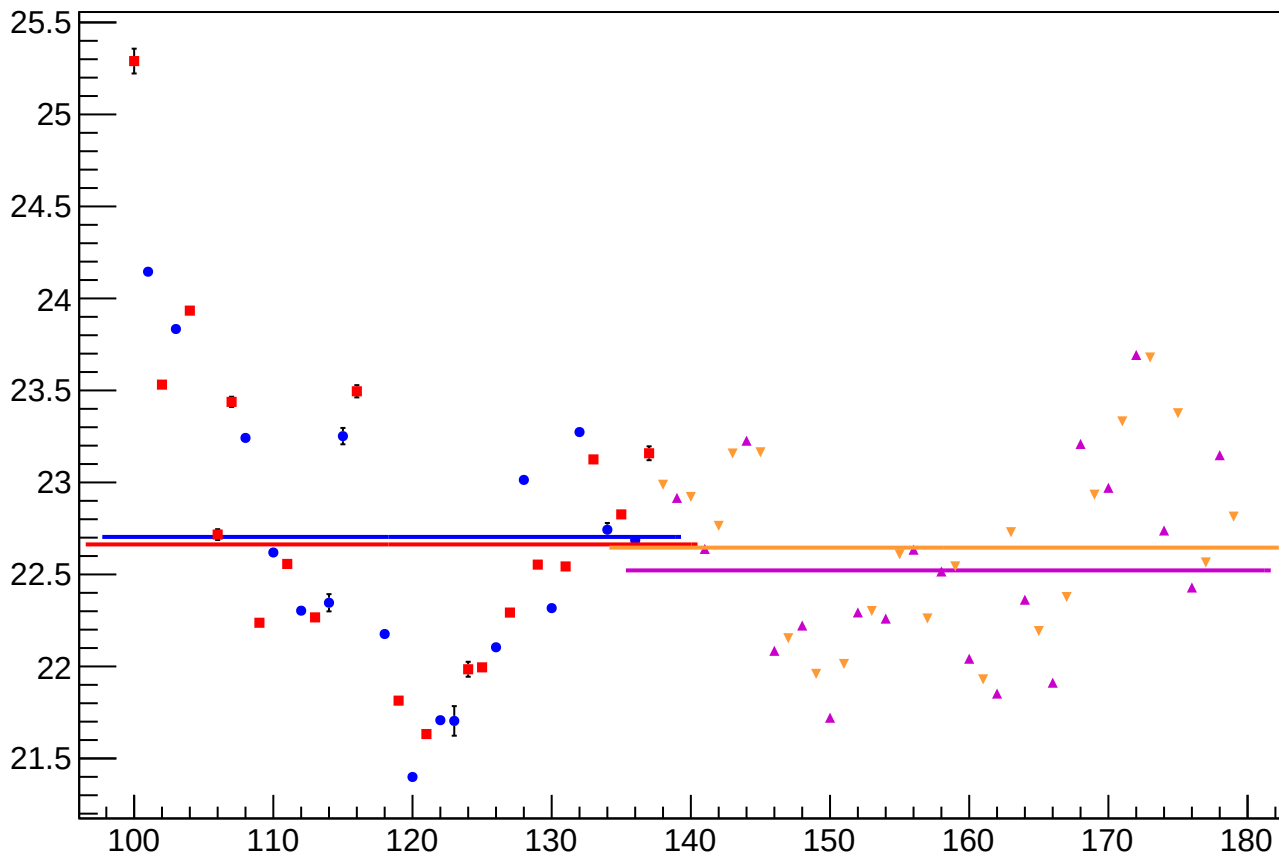
Left In: -7.933 ± 5.734 $\chi^2/\text{NDF}: 17.6/19$

+ sign 8.169 ± 4.692 $\chi^2/\text{NDF}: 44.6/38$

All: 0.656 ± 3.338 $\chi^2/\text{NDF}: 84.6/77$

- sign -7.042 ± 4.749 $\chi^2/\text{NDF}: 34.8/38$

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: 22.646 $\pm$ 0.004 χ^2 /NDF: 15134.9/21

Right Out: 22.663 $\pm$ 0.006 χ^2 /NDF: 12943.4/18

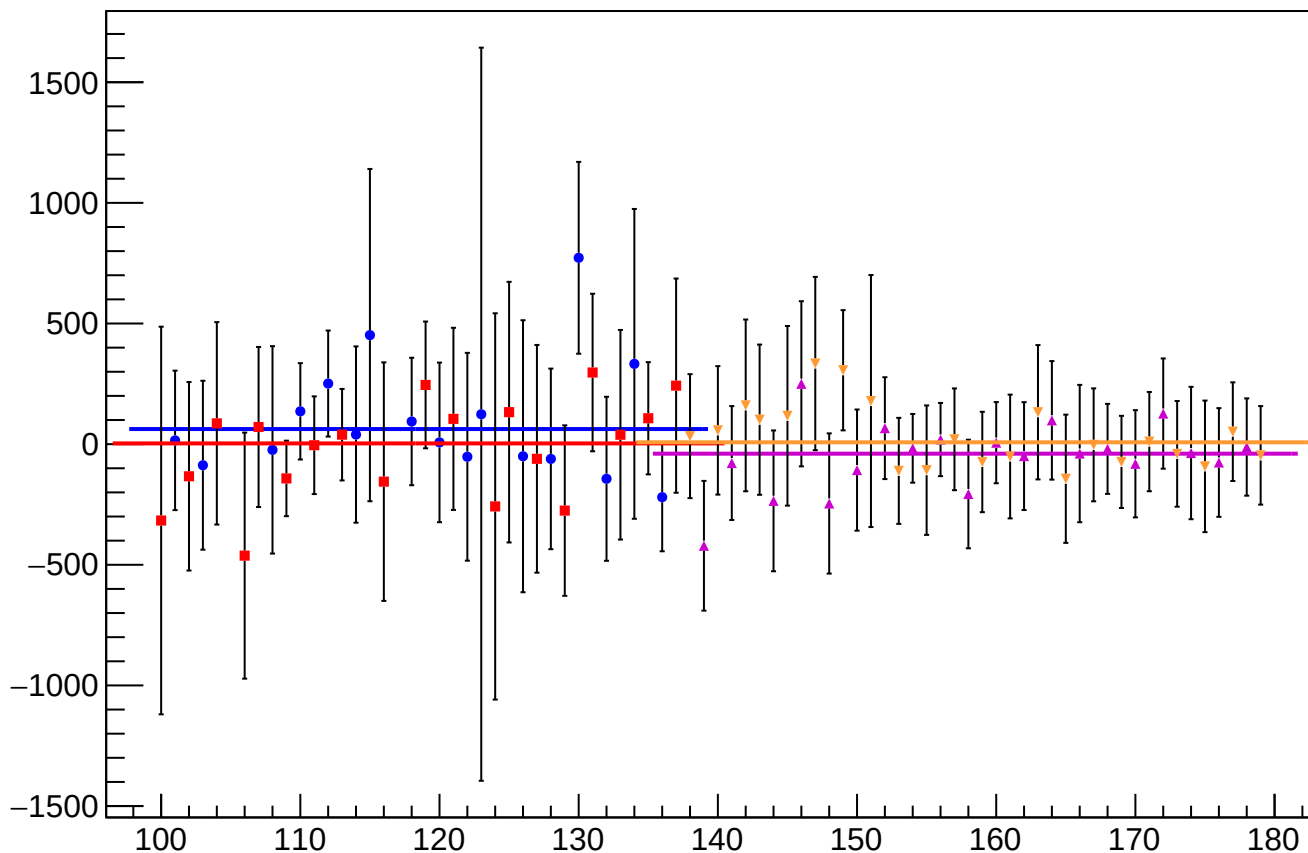
Left In: 22.522 $\pm$ 0.004 χ^2 /NDF: 15681.7/19

+ sign 22.662 $\pm$ 0.003 χ^2 /NDF: 29303.8/38

All: 22.615 $\pm$ 0.002 χ^2 /NDF: 58724.1/77

- sign 22.566 $\pm$ 0.003 χ^2 /NDF: 29005.8/38

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: 7.608 $\pm$ 52.985 χ^2/NDF : 4.5/21

Right Out: 3.038 $\pm$ 70.518 χ^2/NDF : 5.2/18

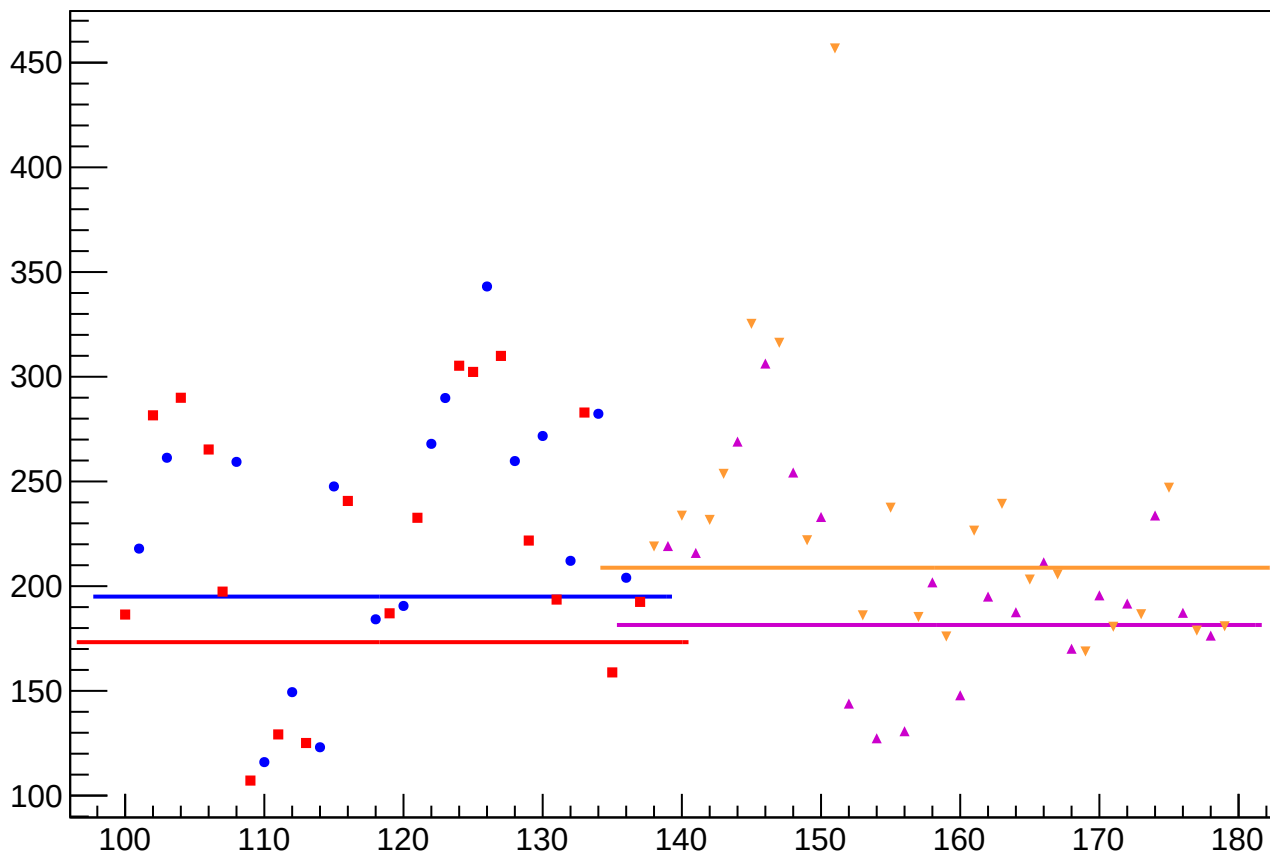
Left In: -39.514 $\pm$ 48.520 χ^2/NDF : 5.8/19

+ sign 24.483 $\pm$ 44.108 χ^2/NDF : 11.8/38

All: -3.149 $\pm$ 29.619 χ^2/NDF : 23.8/77

- sign -25.842 $\pm$ 39.972 χ^2/NDF : 11.3/38

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: 208.810 $\pm$ 0.037 χ^2 /NDF:1320895.9/21

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

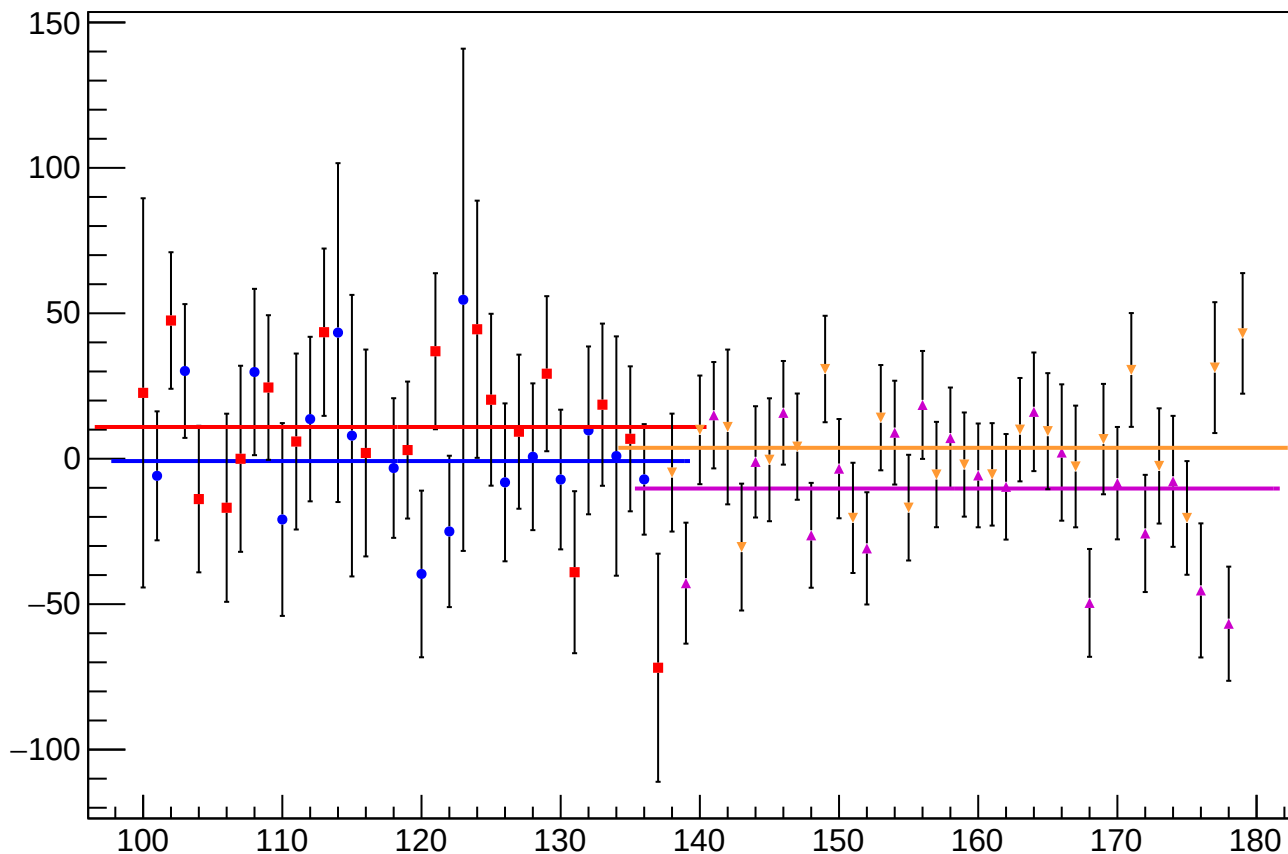
Left In: 181.467 $\pm$ 0.034 χ^2 /NDF:1535277.3/19

+ sign 204.577 $\pm$ 0.031 χ^2 /NDF: 2366760.5/38

All: 190.440 $\pm$ 0.021 χ^2 /NDF: 5872773.6/77

- sign 178.831 $\pm$ 0.028 χ^2 /NDF: 3131858.3/38

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.801 $\pm$ 6.770 χ^2/NDF : 7.8/16

Left Out: 3.749 $\pm$ 4.148 χ^2/NDF :17.8/21

Right Out: 10.912 $\pm$ 6.626 χ^2/NDF : 15.9/18

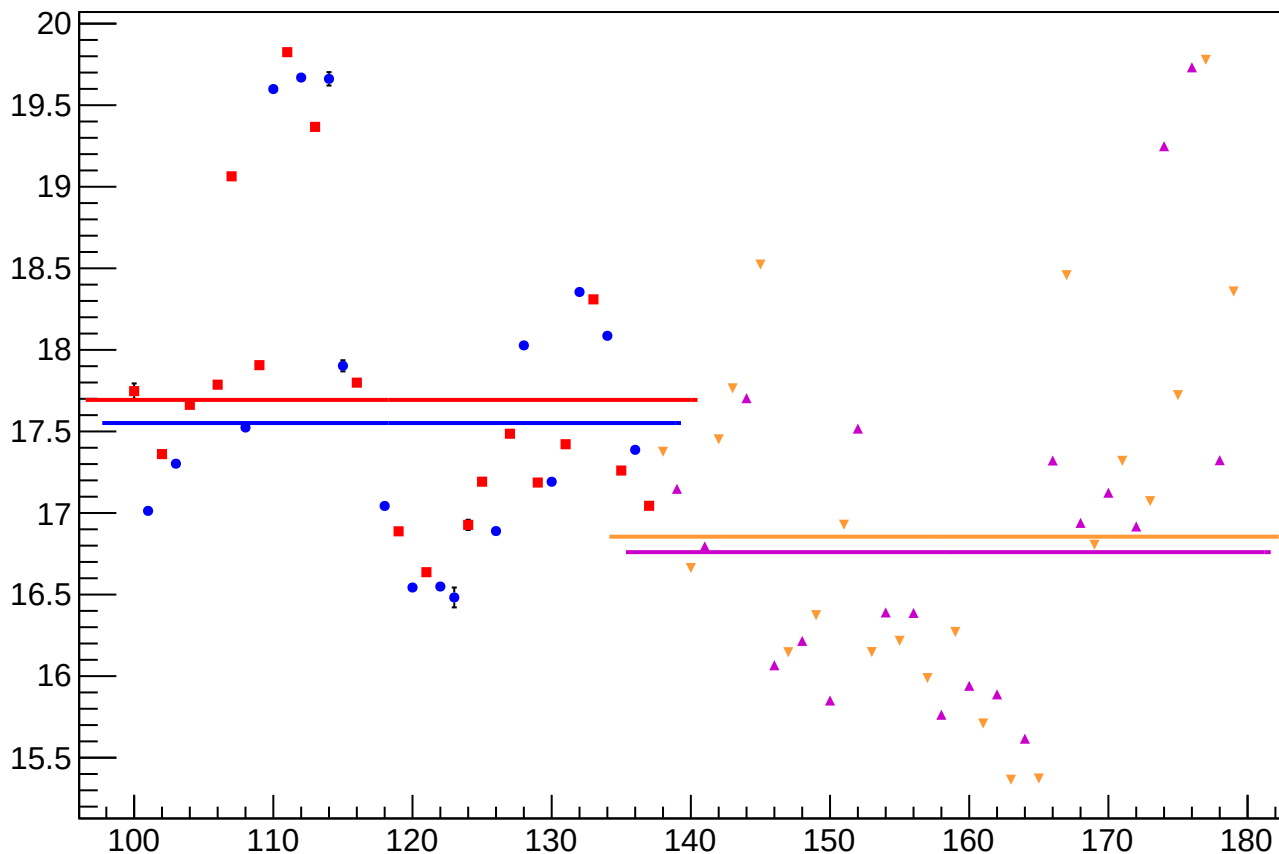
Left In: -10.246 $\pm$ 4.278 χ^2/NDF :28.4/19

+ sign 2.507 $\pm$ 3.537 χ^2/NDF : 25.9/38

All: -0.705 $\pm$ 2.521 χ^2/NDF : 79.1/77

- sign -4.022 $\pm$ 3.594 χ^2/NDF : 51.5/38

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 $\pm$ 0.005 χ^2 /NDF: 34027.1/16

Left Out: 16.855 $\pm$ 0.003 χ^2 /NDF:130039.9/21

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30742.0/18

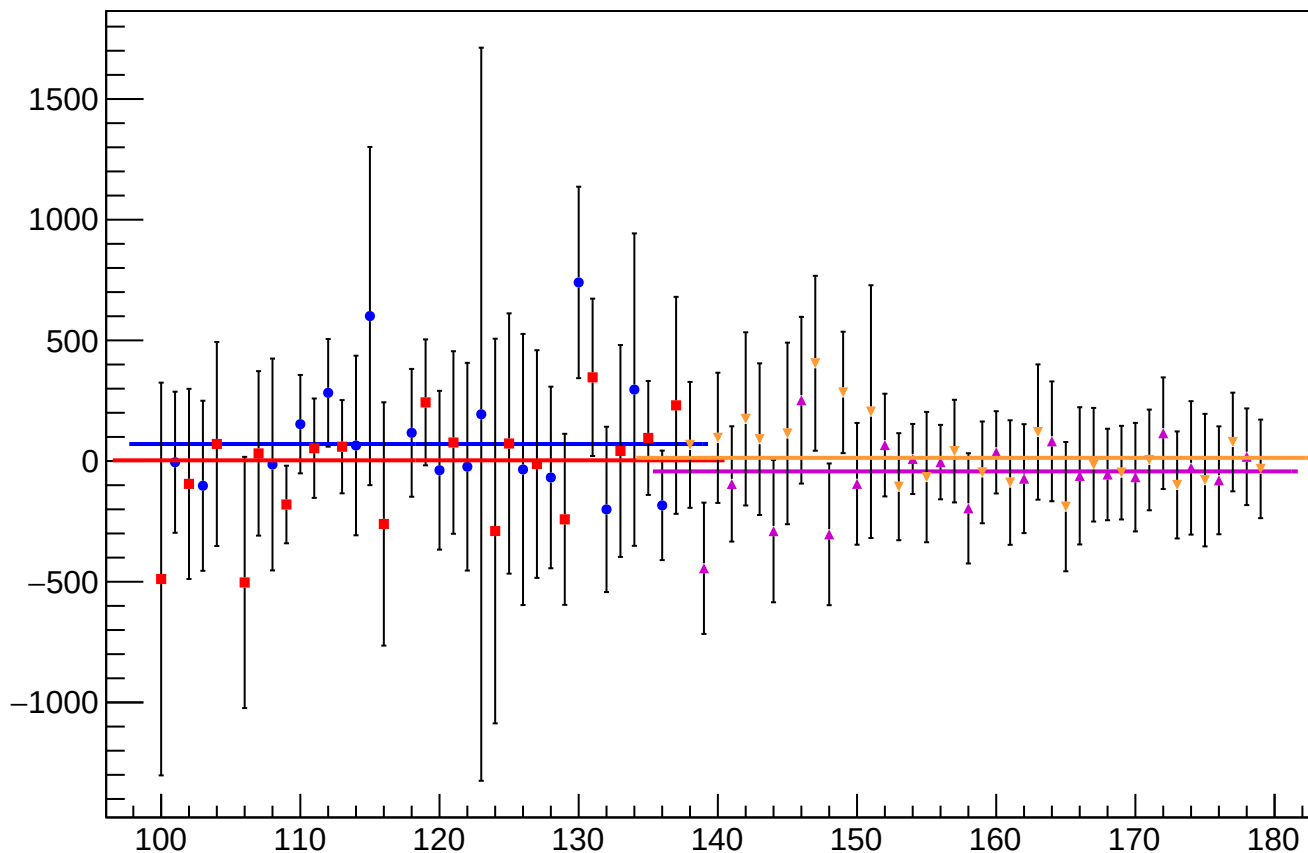
Left In: 16.760 $\pm$ 0.003 χ^2 /NDF:104062.4/19

+ sign 17.045 $\pm$ 0.003 χ^2 /NDF: 179466.7/38

All: 17.040 $\pm$ 0.002 χ^2 /NDF: 342288.5/77

- sign 17.035 $\pm$ 0.003 χ^2 /NDF: 162813.3/38

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: 13.393 $\pm$ 53.451 χ^2 /NDF: 4.9/21

Right Out: 3.063 $\pm$ 71.508 χ^2 /NDF: 6.2/18

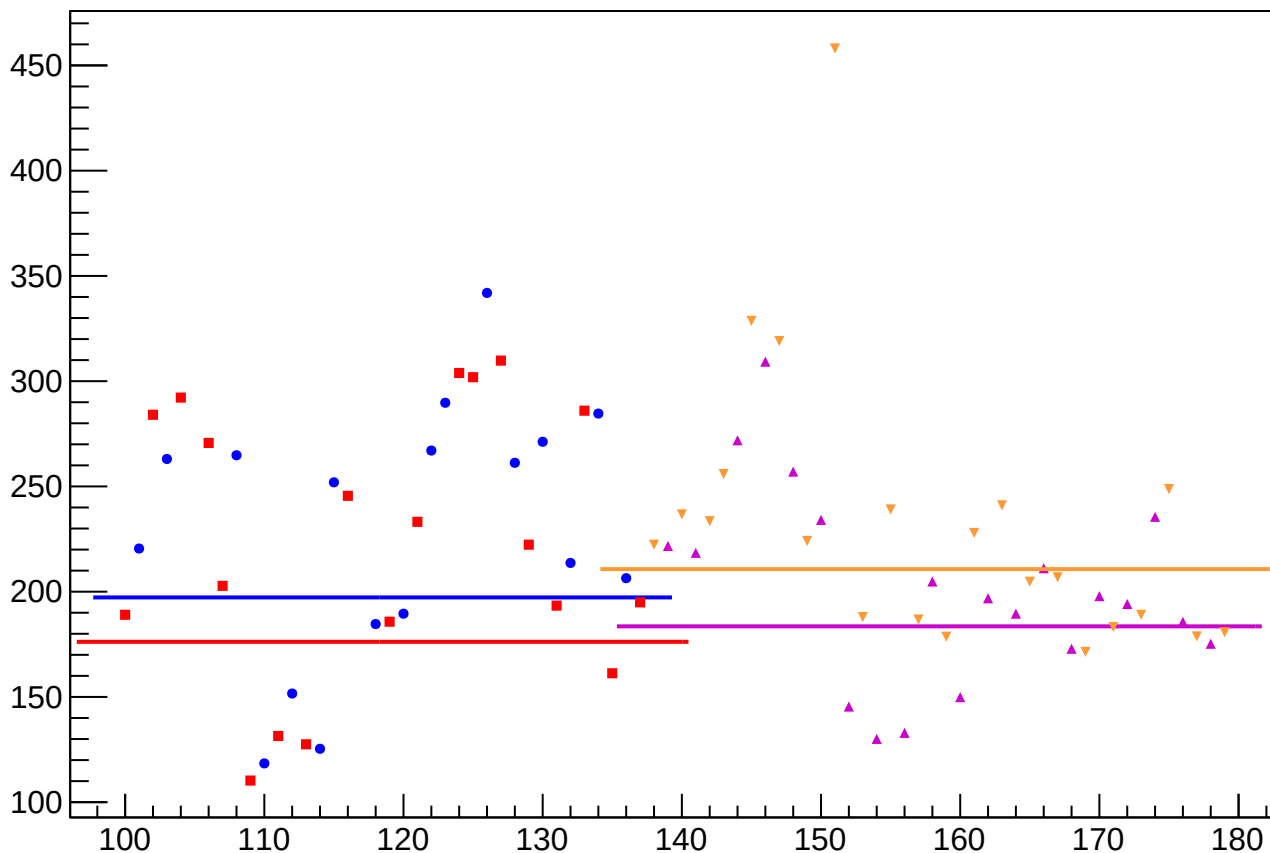
Left In: -42.792 $\pm$ 49.026 χ^2 /NDF: 6.5/19

+ sign 30.935 $\pm$ 44.513 χ^2 /NDF: 12.5/38

All: -1.426 $\pm$ 29.930 χ^2 /NDF: 26.4/77

- sign -28.130 $\pm$ 40.435 χ^2 /NDF: 12.9/38

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: 210.720 $\pm$ 0.038 χ^2 /NDF:1314592.3/21

Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

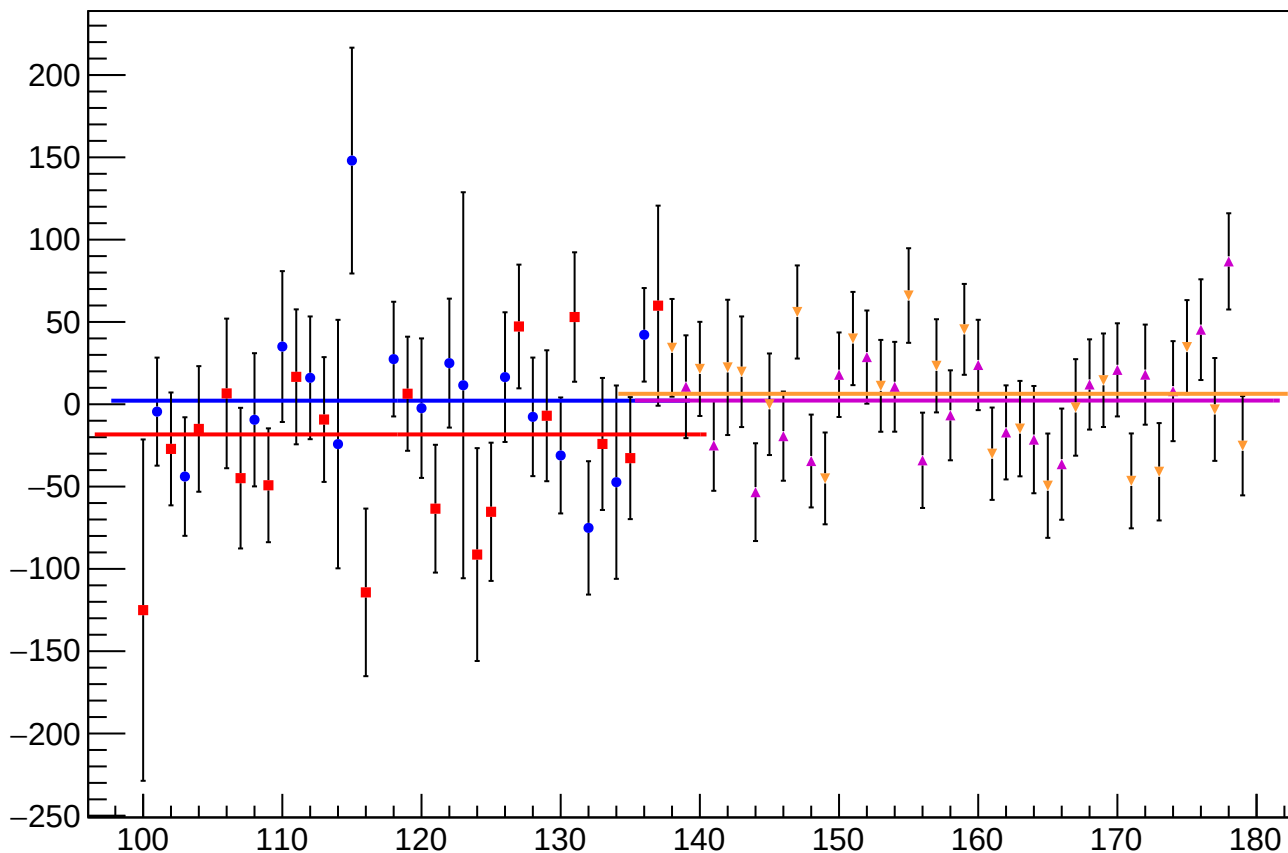
Left In: 183.529 $\pm$ 0.035 χ^2 /NDF:1498709.9/19

+ sign 206.599 $\pm$ 0.031 χ^2 /NDF: 2322944.9/38

All: 192.671 $\pm$ 0.021 χ^2 /NDF: 5713066.4/77

- sign 181.179 $\pm$ 0.029 χ^2 /NDF: 3032783.8/38

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: 6.357 ± 6.289 $\chi^2/\text{NDF}: 29.7/21$

Right Out: -18.320 ± 9.497 $\chi^2/\text{NDF}: 19.6/18$

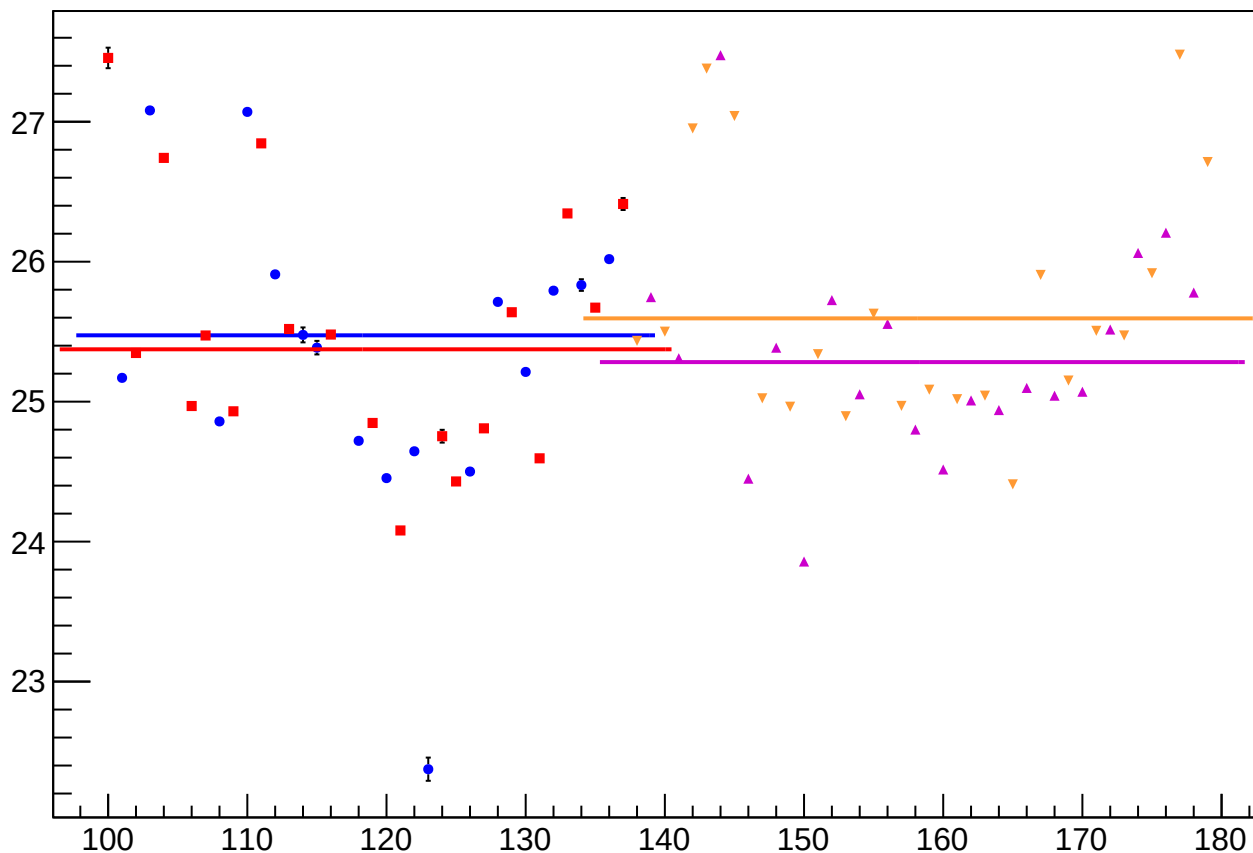
Left In: 2.257 ± 6.443 $\chi^2/\text{NDF}: 24.0/19$

+ sign 5.142 ± 5.297 $\chi^2/\text{NDF}: 45.2/38$

All: 0.488 ± 3.758 $\chi^2/\text{NDF}: 93.6/77$

- sign -4.228 ± 5.332 $\chi^2/\text{NDF}: 46.8/38$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474 $\pm$ 0.007 χ^2 /NDF: 14061.2/16

Left Out: 25.595 $\pm$ 0.004 χ^2 /NDF: 32635.4/21

Right Out: 25.374 $\pm$ 0.007 χ^2 /NDF: 13581.2/18

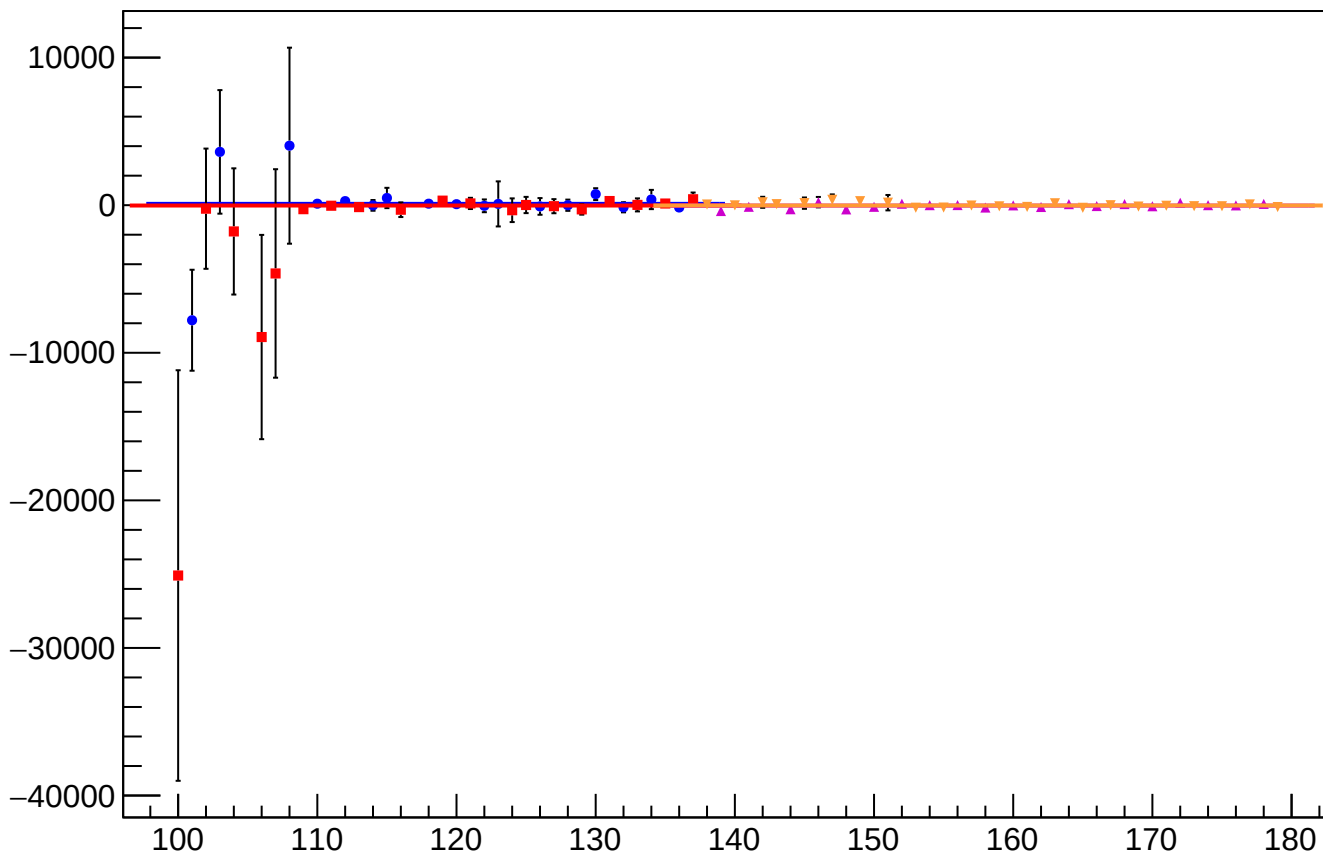
Left In: 25.283 $\pm$ 0.005 χ^2 /NDF: 26994.7/19

+ sign 25.560 $\pm$ 0.004 χ^2 /NDF: 46911.9/38

All: 25.436 $\pm$ 0.003 χ^2 /NDF: 89799.1/77

- sign 25.311 $\pm$ 0.004 χ^2 /NDF: 40702.7/38

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 89.619 $\pm$ 87.630 χ^2 /NDF: 12.3/16

Left Out: -19.781 $\pm$ 53.295 χ^2 /NDF: 5.4/21

Right Out: -22.614 $\pm$ 80.902 χ^2 /NDF: 11.9/18

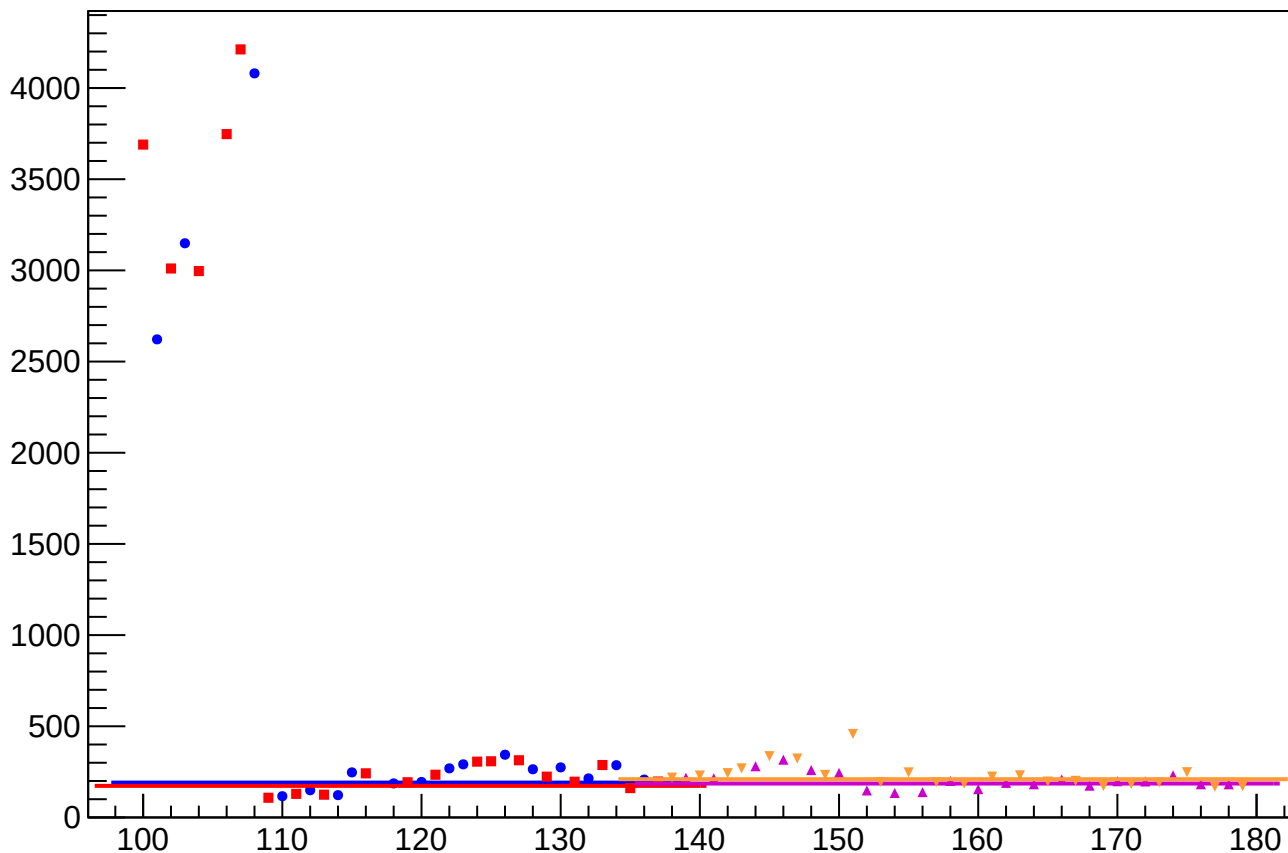
Left In: -27.665 $\pm$ 49.545 χ^2 /NDF: 6.4/19

+ sign 9.758 $\pm$ 45.535 χ^2 /NDF: 18.8/38

All: -9.611 $\pm$ 30.972 χ^2 /NDF: 37.5/77

- sign -26.287 $\pm$ 42.252 χ^2 /NDF: 18.3/38

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.190+/-0.062 χ^2/NDF : 3571747.5/16

Left Out: 209.868+/-0.038 χ^2/NDF : 1409798.5/21

Right Out: 173.269+/-0.057 χ^2/NDF : 4207191.5/18

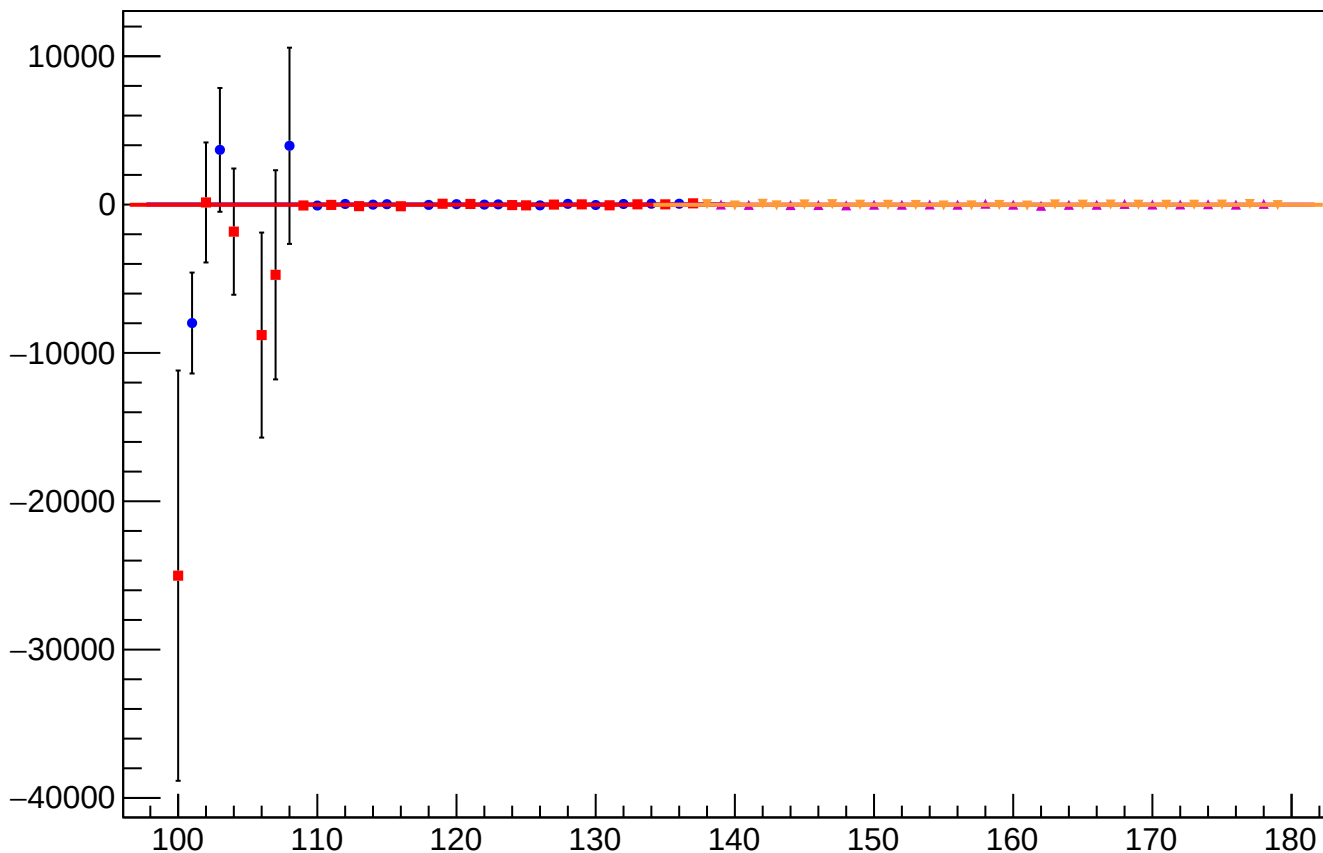
Left In: 185.946+/-0.035 χ^2/NDF : 1373808.6/19

+ sign 204.824+/-0.032 χ^2/NDF : 5047871.2/38

All: 192.822+/-0.022 χ^2/NDF : 10923168.5/77

- sign 182.489+/-0.030 χ^2/NDF : 5616715.5/38

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: -14.957+/-7.075 χ^2/NDF : 19.4/21

Right Out: -12.947+/-12.227 χ^2/NDF : 24.4/18

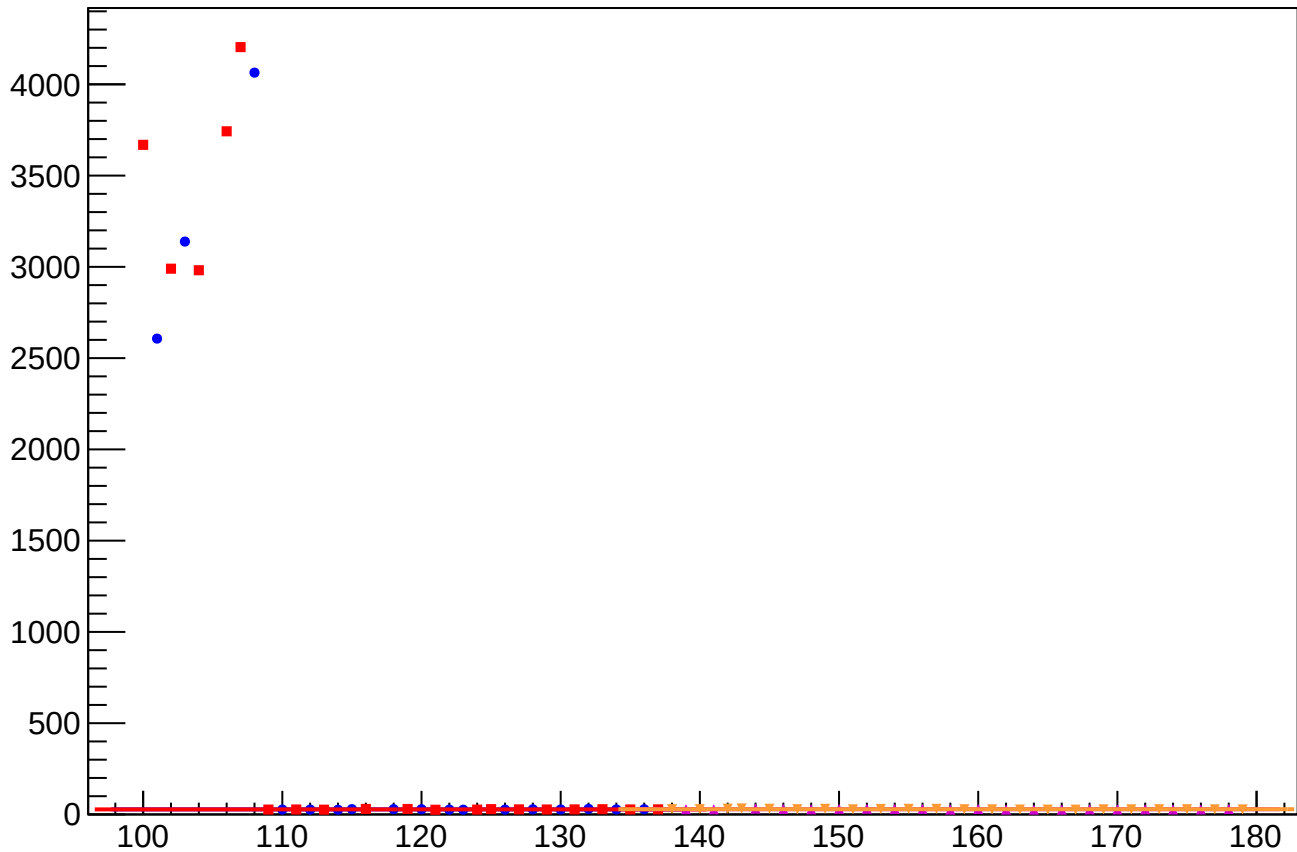
Left In: -2.151+/-7.344 χ^2/NDF : 21.2/19

+ sign -8.568+/-6.119 χ^2/NDF : 40.9/38

All: -6.841+/-4.388 χ^2/NDF : 87.2/77

- sign -5.013+/-6.296 χ^2/NDF : 46.1/38

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: 28.747 $\pm$ 0.005 χ^2 /NDF: 101788.6/21

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

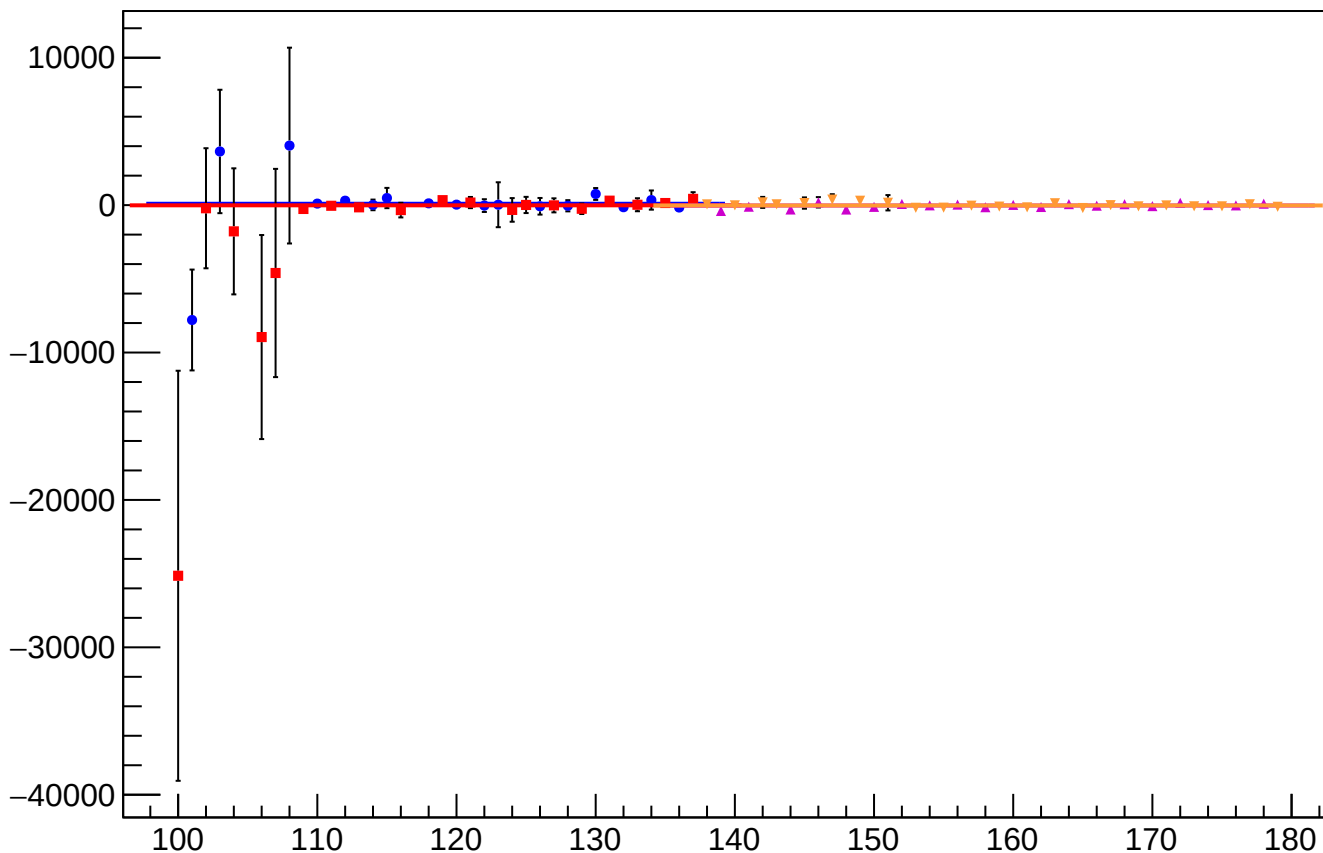
Left In: 28.745 $\pm$ 0.005 χ^2 /NDF: 120115.6/19

+ sign 28.518 $\pm$ 0.004 χ^2 /NDF: 3137023.1/38

All: 28.493 $\pm$ 0.003 χ^2 /NDF: 6744876.7/77

- sign 28.467 $\pm$ 0.004 χ^2 /NDF: 3607786.3/38

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 92.840 $\pm$ 87.359 χ^2 /NDF: 12.6/16

Left Out: -21.980 $\pm$ 53.170 χ^2 /NDF: 6.0/21

Right Out: -12.772 $\pm$ 80.640 χ^2 /NDF: 12.7/18

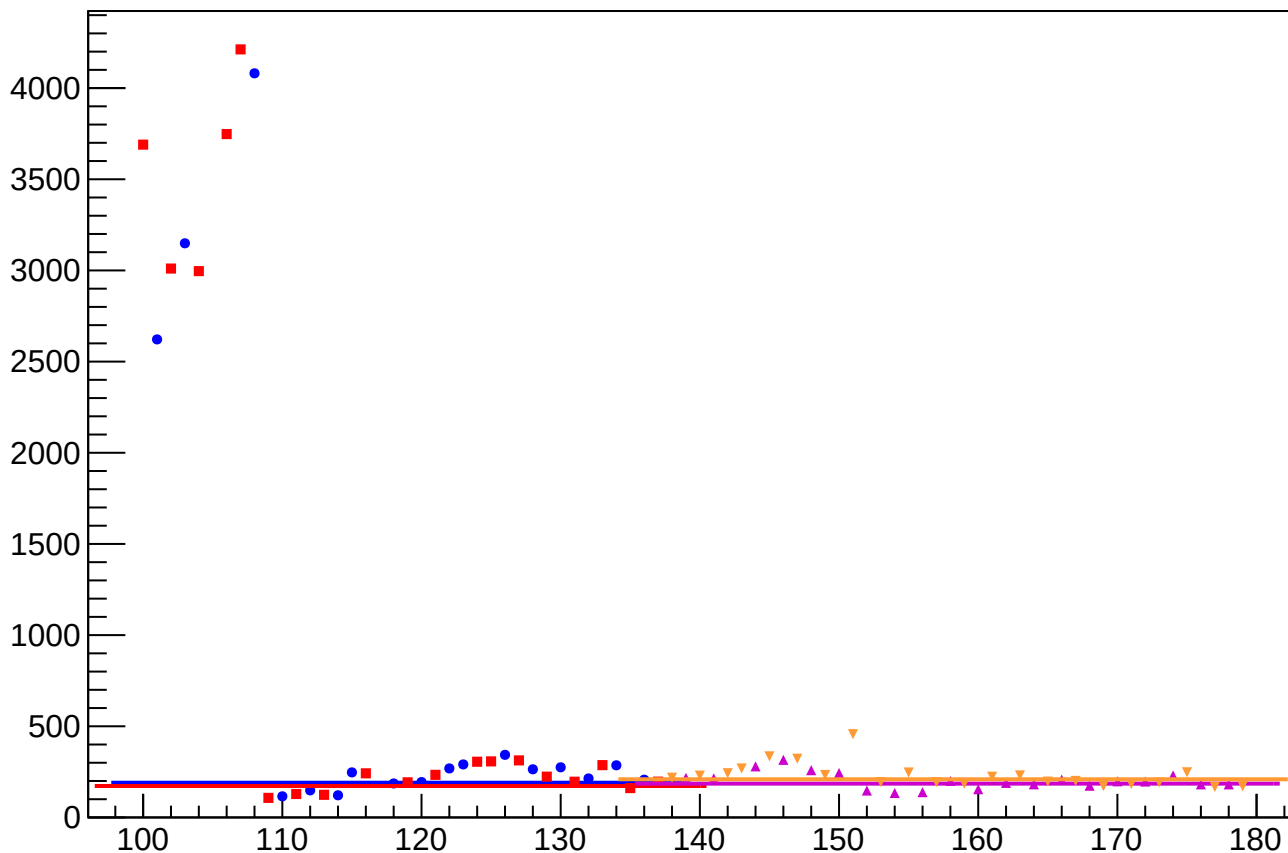
Left In: -26.146 $\pm$ 49.442 χ^2 /NDF: 6.5/19

+ sign 9.057 $\pm$ 45.419 χ^2 /NDF: 19.9/38

All: -7.893 $\pm$ 30.896 χ^2 /NDF: 39.3/77

- sign -22.492 $\pm$ 42.150 χ^2 /NDF: 19.1/38

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: 209.368+/-0.038 χ^2/NDF : 1411803.9/21

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

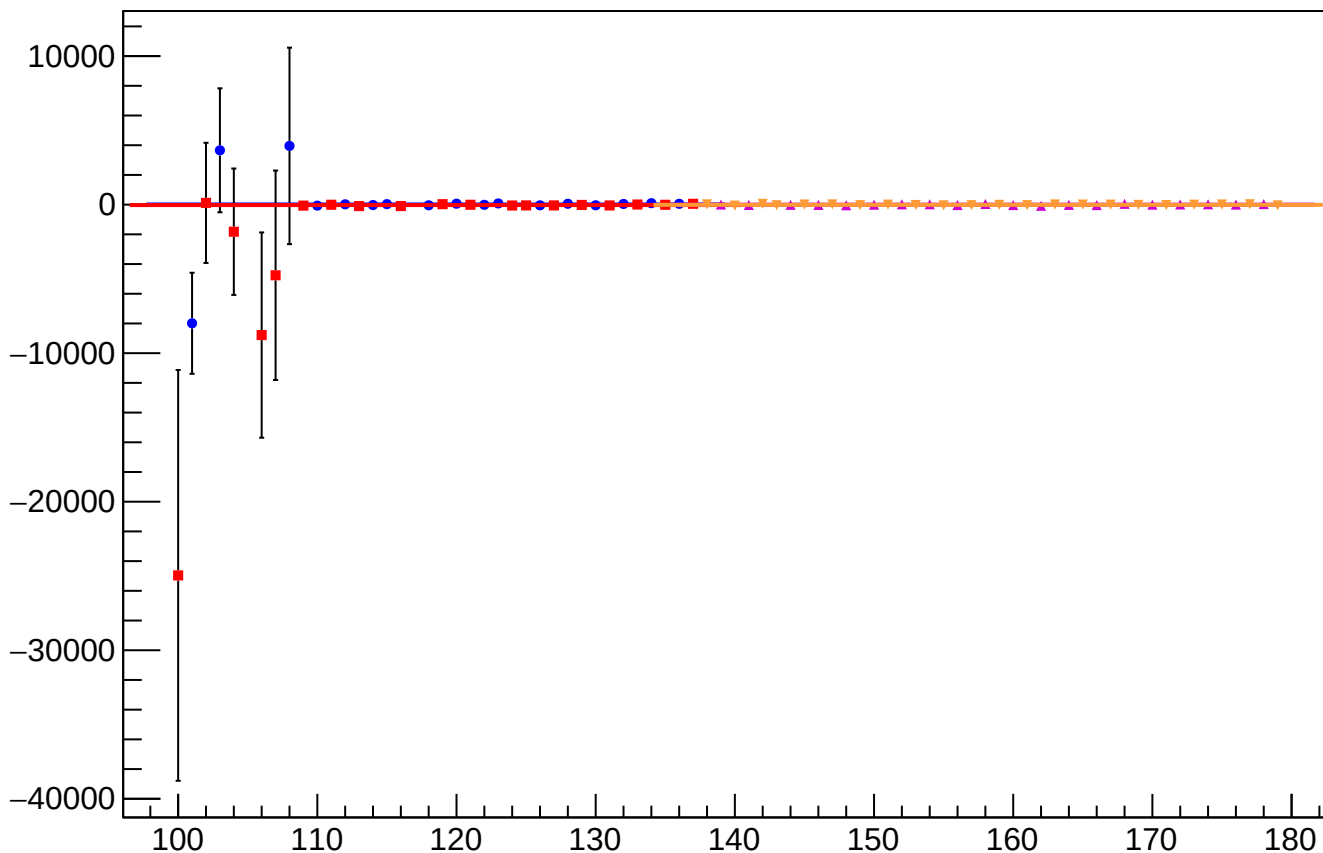
Left In: 185.560+/-0.035 χ^2/NDF : 1373708.7/19

+ sign 204.264+/-0.032 χ^2/NDF : 5063562.5/38

All: 192.313+/-0.022 χ^2/NDF : 10950937.3/77

- sign 182.020+/-0.030 χ^2/NDF : 5629630.9/38

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.600 $\pm$ 12.273 χ^2 /NDF: 23.2/16

Left Out: -12.964 $\pm$ 7.111 χ^2 /NDF: 14.5/21

Right Out: -29.627 $\pm$ 12.328 χ^2 /NDF: 16.5/18

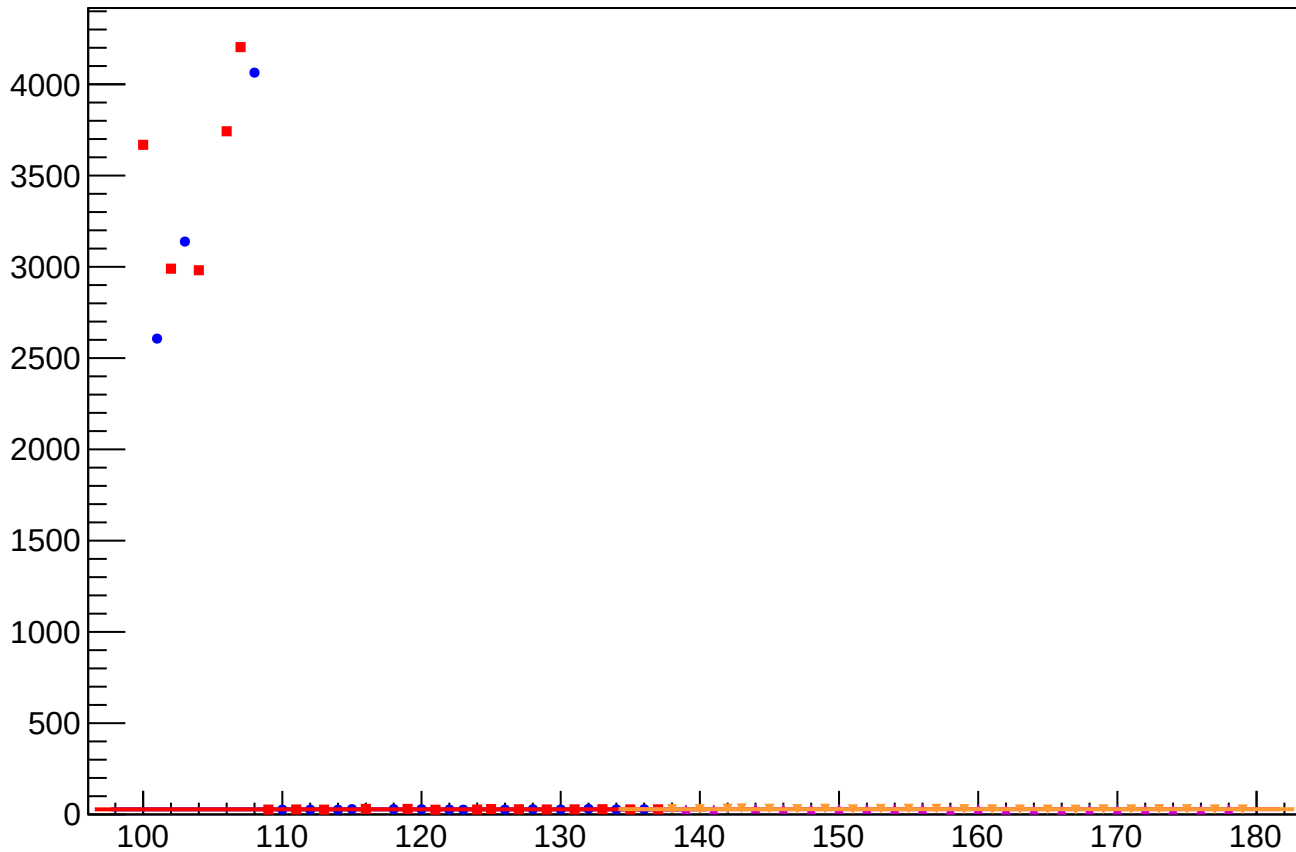
Left In: -1.565 $\pm$ 7.379 χ^2 /NDF: 20.0/19

+ sign -7.293 $\pm$ 6.153 χ^2 /NDF: 40.2/38

All: -8.106 $\pm$ 4.413 χ^2 /NDF: 80.6/77

- sign -8.967 $\pm$ 6.332 χ^2 /NDF: 40.3/38

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: 28.887+/-0.005 χ^2/NDF : 111736.3/21

Right Out: 27.917+/-0.009 χ^2/NDF : 3479610.6/18

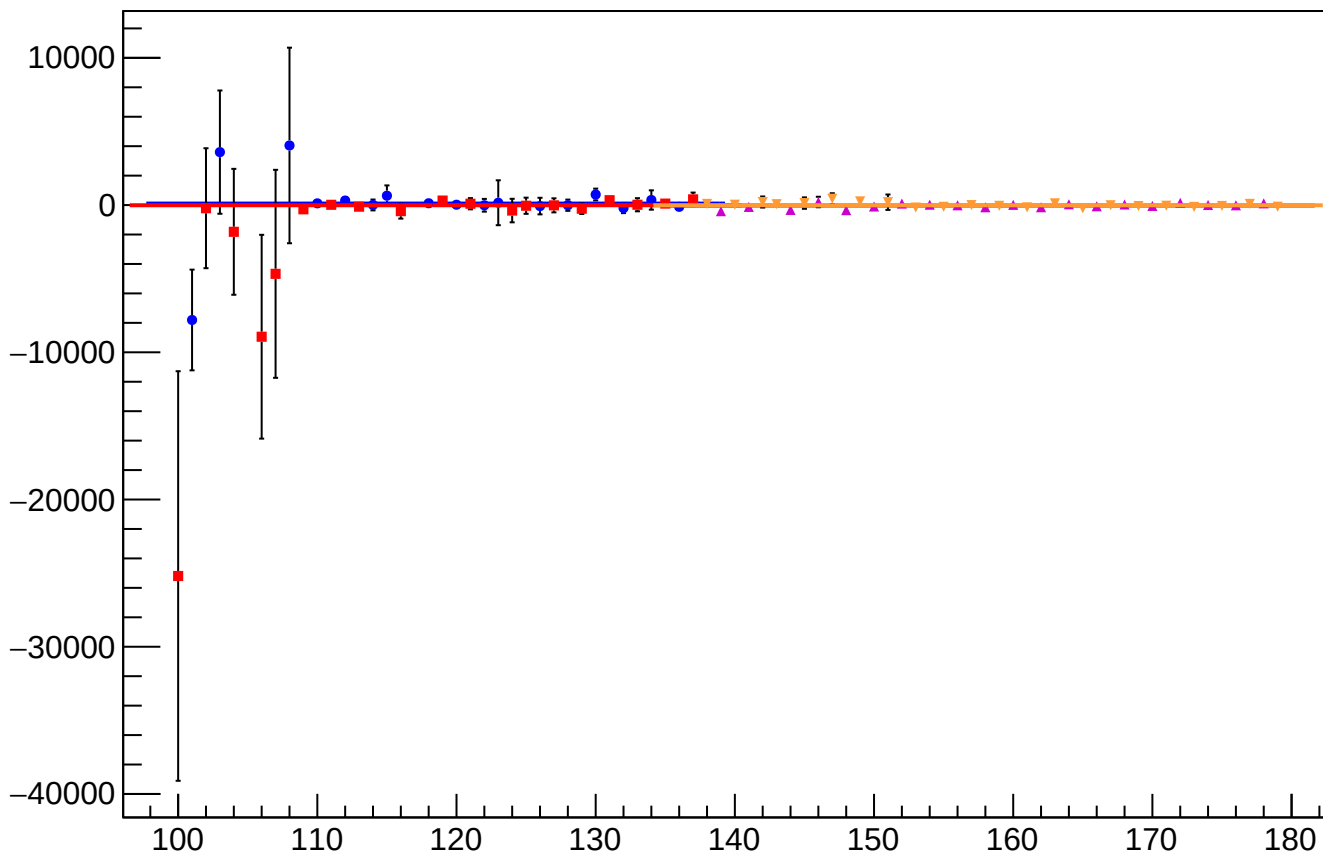
Left In: 28.884+/-0.005 χ^2/NDF : 123571.0/19

+ sign 28.670+/-0.004 χ^2/NDF : 3146167.3/38

All: 28.650+/-0.003 χ^2/NDF : 6758444.3/77

- sign 28.629+/-0.004 χ^2/NDF : 3612232.8/38

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: -14.047 $\pm$ 53.732 χ^2 /NDF: 6.0/21

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

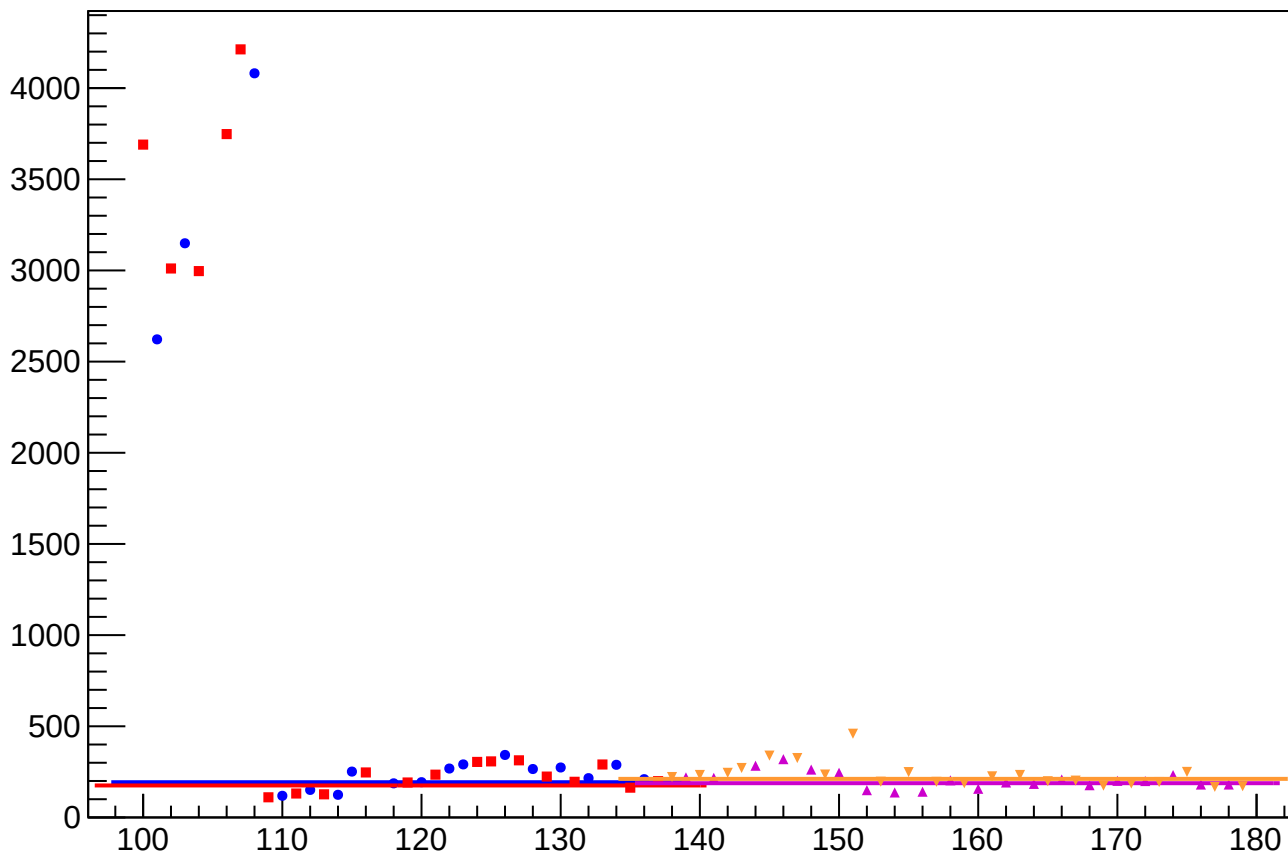
Left In: -31.099 $\pm$ 50.028 χ^2 /NDF: 7.3/19

+ sign 17.204 $\pm$ 45.914 χ^2 /NDF: 19.6/38

All: -5.809 $\pm$ 31.256 χ^2 /NDF: 39.6/77

- sign -25.683 $\pm$ 42.668 χ^2 /NDF: 19.5/38

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: 211.626+/-0.038 χ^2/NDF :1413118.1/21

Right Out: 175.485+/-0.058 χ^2/NDF : 4165391.7/18

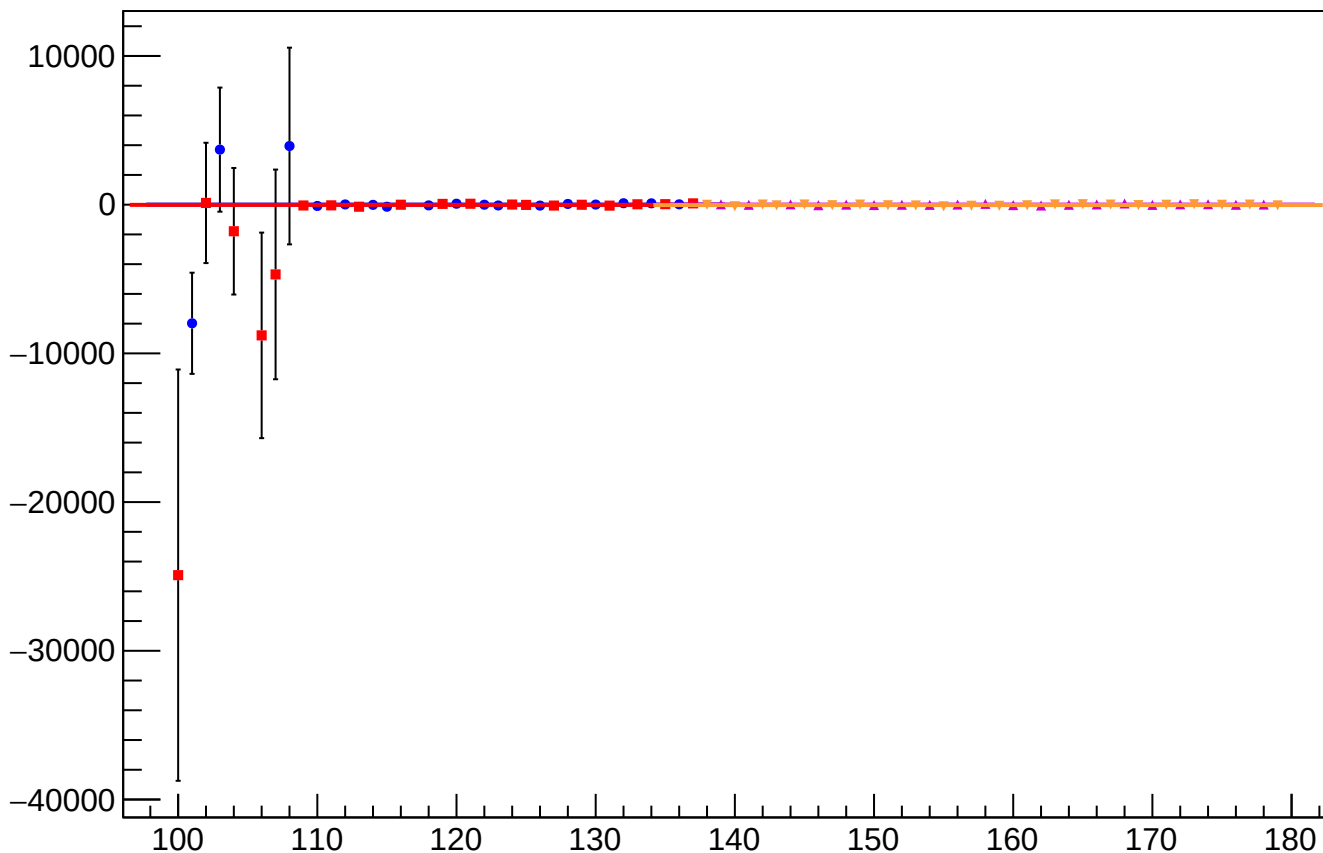
Left In: 187.900+/-0.035 χ^2/NDF :1345145.8/19

+ sign 206.652+/-0.032 χ^2/NDF : 5012772.8/38

All: 194.774+/-0.022 χ^2/NDF : 10806317.6/77

- sign 184.516+/-0.030 χ^2/NDF : 5544107.9/38

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: -25.722 $\pm$ 8.507 χ^2 /NDF:22.4/21

Right Out: -12.487 $\pm$ 14.947 χ^2 /NDF: 21.7/18

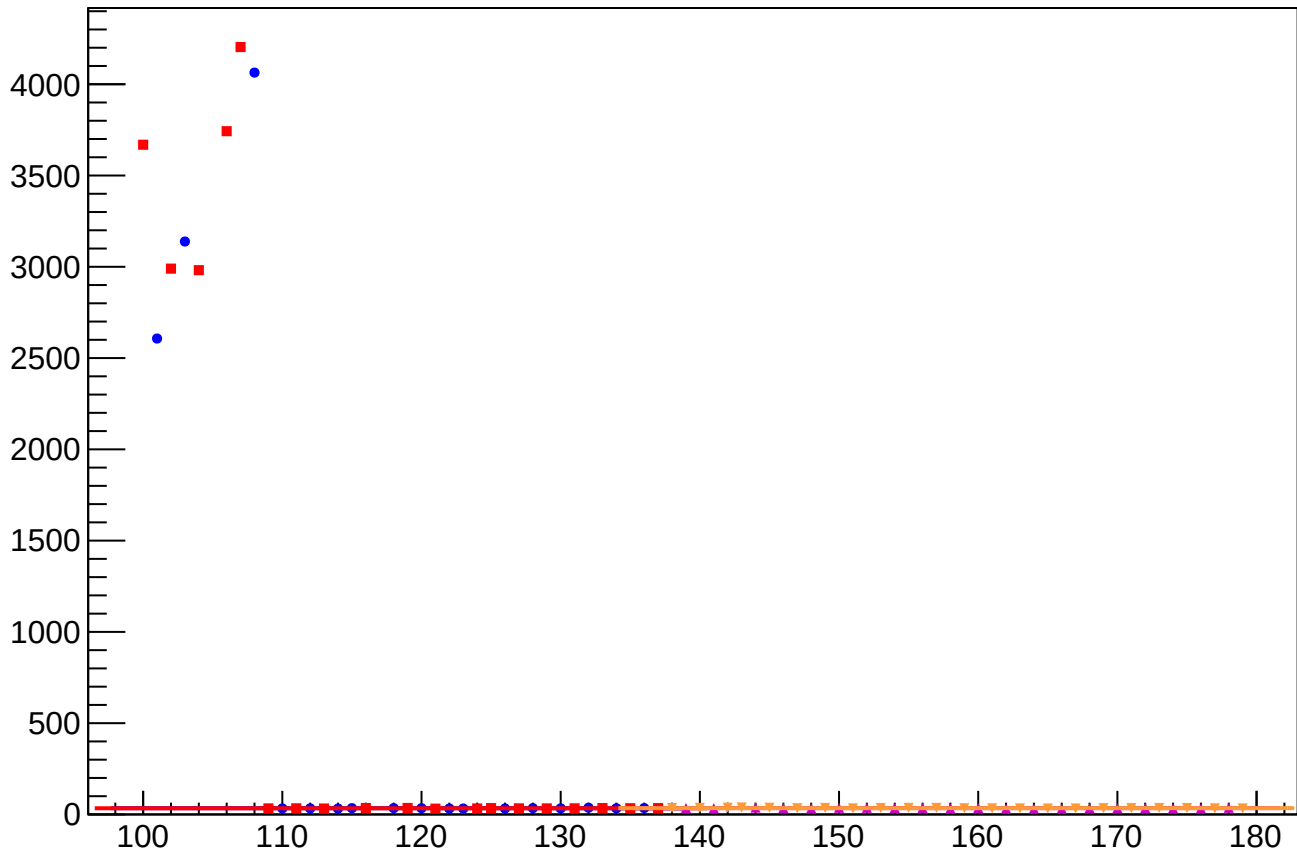
Left In: 5.070 $\pm$ 8.845 χ^2 /NDF:12.8/19

+ sign -18.282 $\pm$ 7.392 χ^2 /NDF: 45.9/38

All: -9.158 $\pm$ 5.303 χ^2 /NDF: 84.6/77

- sign 0.517 $\pm$ 7.612 χ^2 /NDF: 35.5/38

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: 34.613 $\pm$ 0.006 χ^2 /NDF: 53413.8/21

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

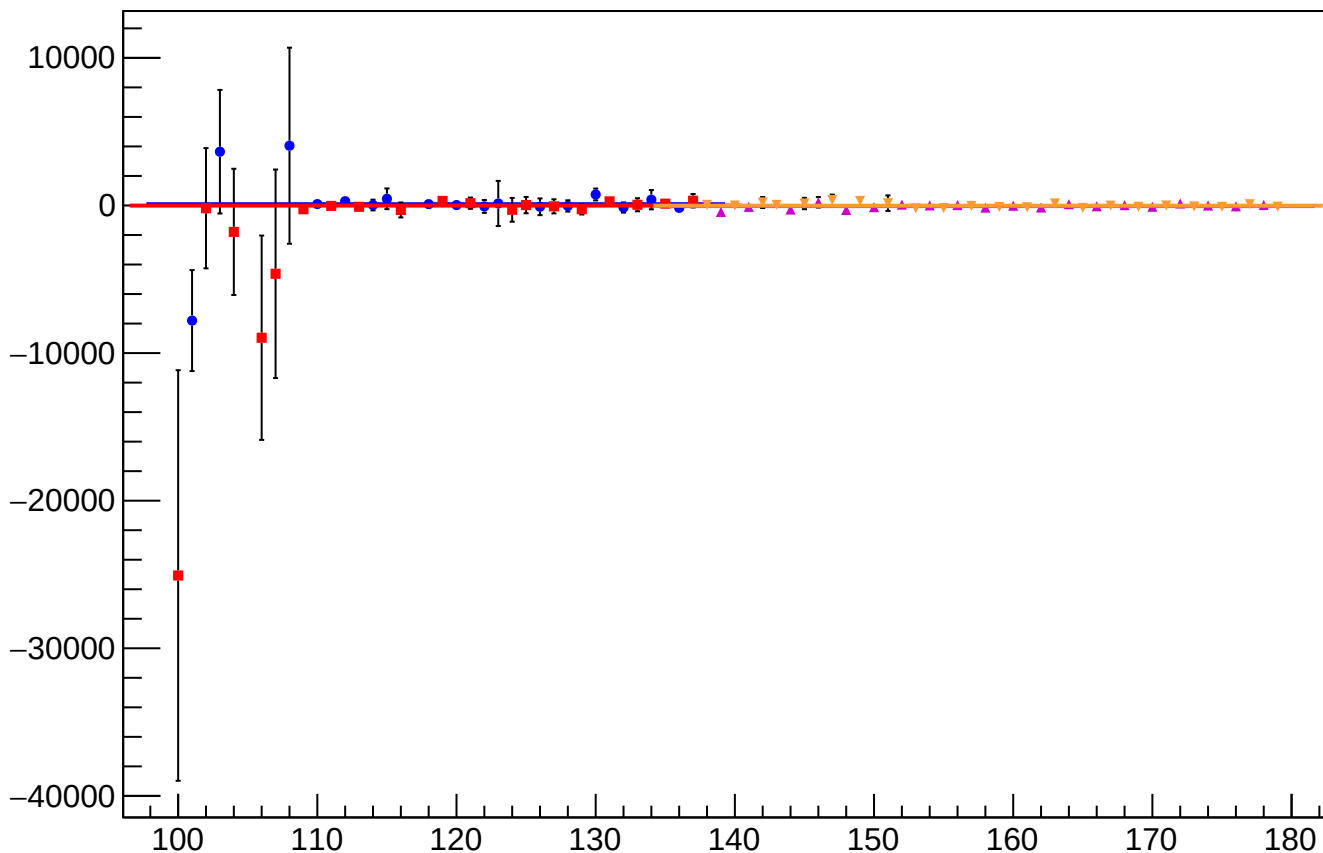
Left In: 34.683 $\pm$ 0.006 χ^2 /NDF: 58638.3/19

+ sign 34.497 $\pm$ 0.005 χ^2 /NDF: 3061196.3/38

All: 34.490 $\pm$ 0.004 χ^2 /NDF: 6575666.7/77

- sign 34.484 $\pm$ 0.005 χ^2 /NDF: 3514467.3/38

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.041 $\pm$ 87.947 χ^2 /NDF: 12.4/16

Left Out: -14.564 $\pm$ 53.706 χ^2 /NDF: 5.8/21

Right Out: -7.296 $\pm$ 81.208 χ^2 /NDF: 11.1/18

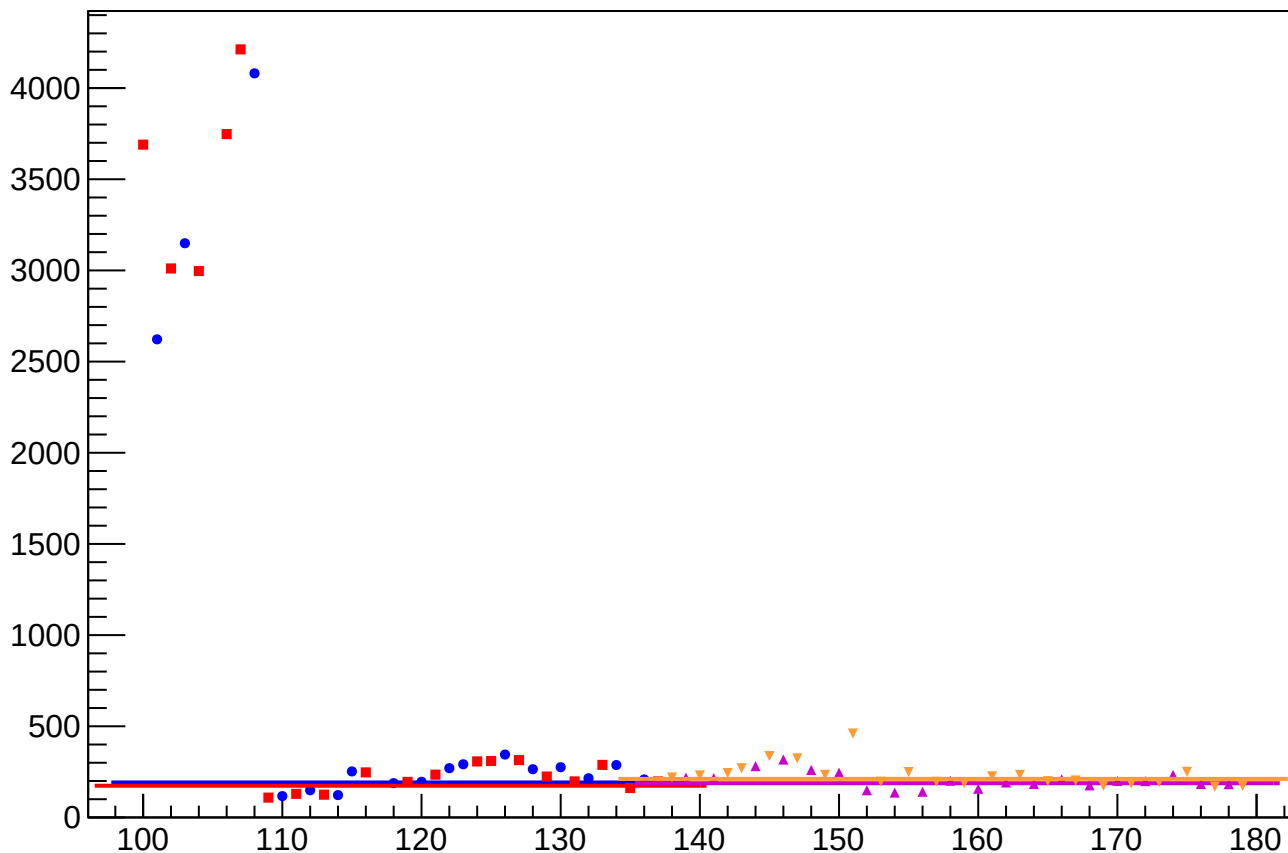
Left In: -39.573 $\pm$ 49.992 χ^2 /NDF: 6.2/19

+ sign 12.762 $\pm$ 45.835 χ^2 /NDF: 19.1/38

All: -10.573 $\pm$ 31.193 χ^2 /NDF: 37.0/77

- sign -30.703 $\pm$ 42.572 χ^2 /NDF: 17.4/38

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 191.880+/-0.062 χ^2/NDF : 3573060.2/16

Left Out: 211.580+/-0.038 χ^2/NDF : 1389362.0/21

Right Out: 173.928+/-0.057 χ^2/NDF : 4211385.1/18

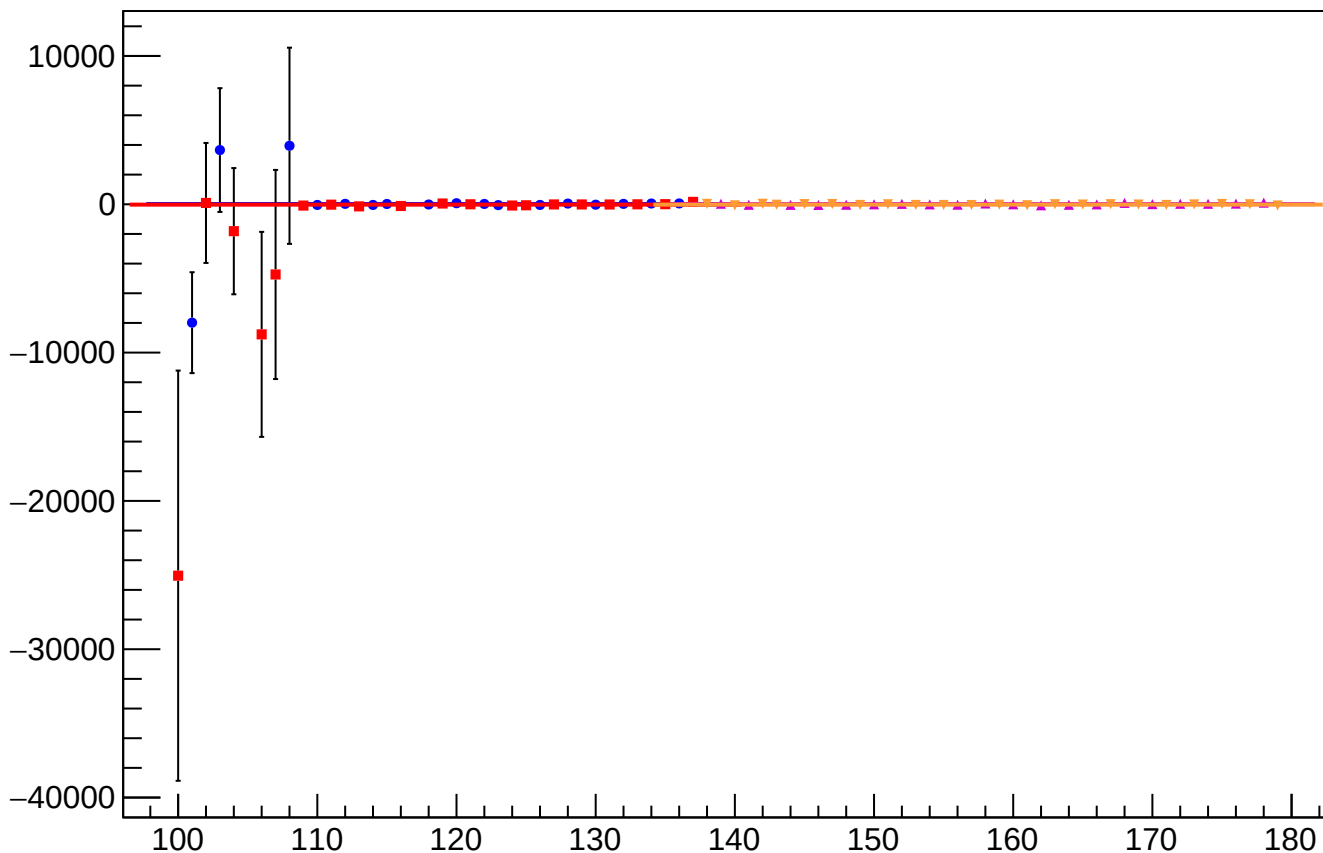
Left In: 187.776+/-0.035 χ^2/NDF : 1332639.0/19

+ sign 206.230+/-0.032 χ^2/NDF : 5035517.4/38

All: 194.279+/-0.022 χ^2/NDF : 10874953.2/77

- sign 183.970+/-0.030 χ^2/NDF : 5586198.0/38

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 14.121+/-13.618 χ^2/NDF : 15.2/16

Left Out: -21.033+/-7.744 χ^2/NDF :16.9/21

Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

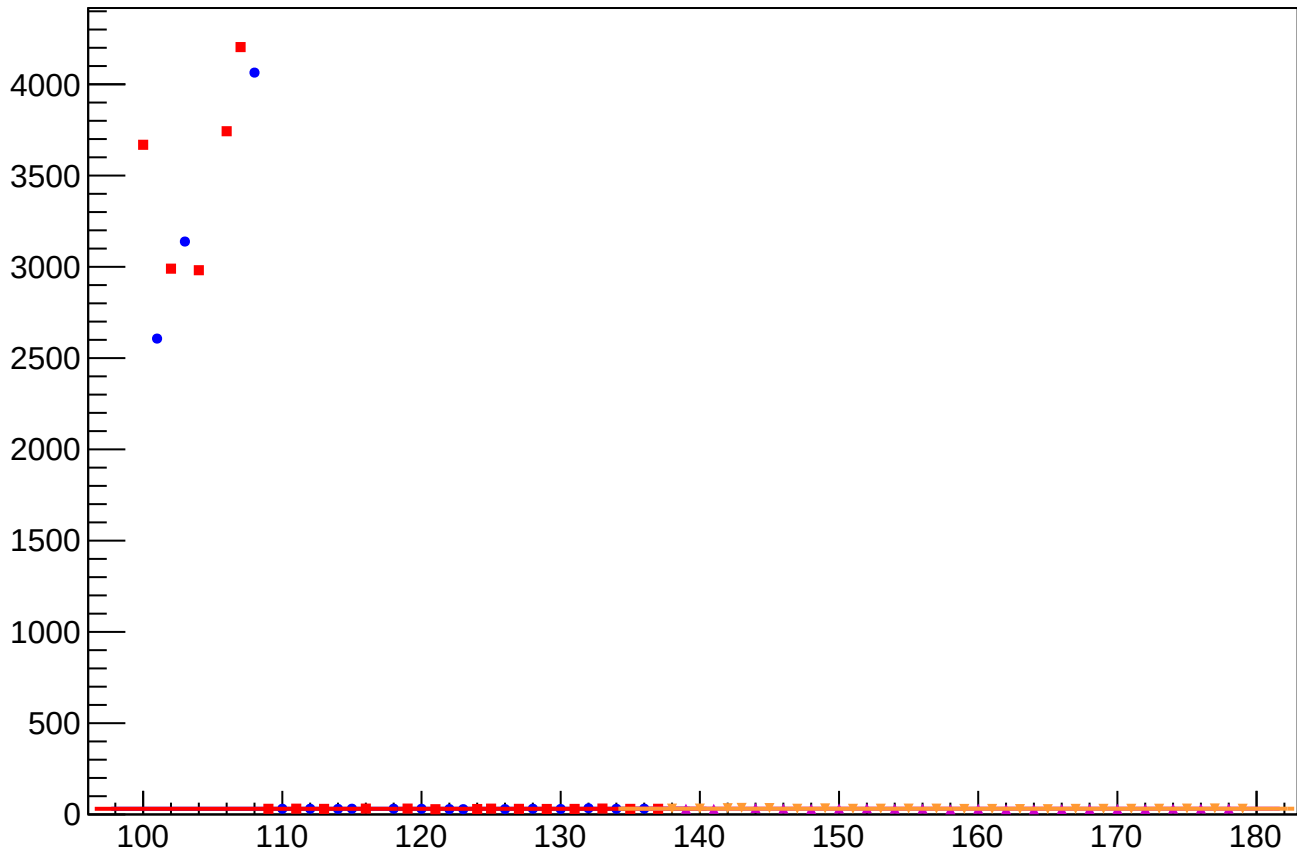
Left In: 8.195+/-8.032 χ^2/NDF :32.9/19

+ sign -12.443+/-6.732 χ^2/NDF : 37.1/38

All: -6.357+/-4.826 χ^2/NDF : 103.2/77

- sign 0.081+/-6.923 χ^2/NDF : 64.4/38

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: 31.484 $\pm$ 0.005 χ^2 /NDF: 76615.1/21

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

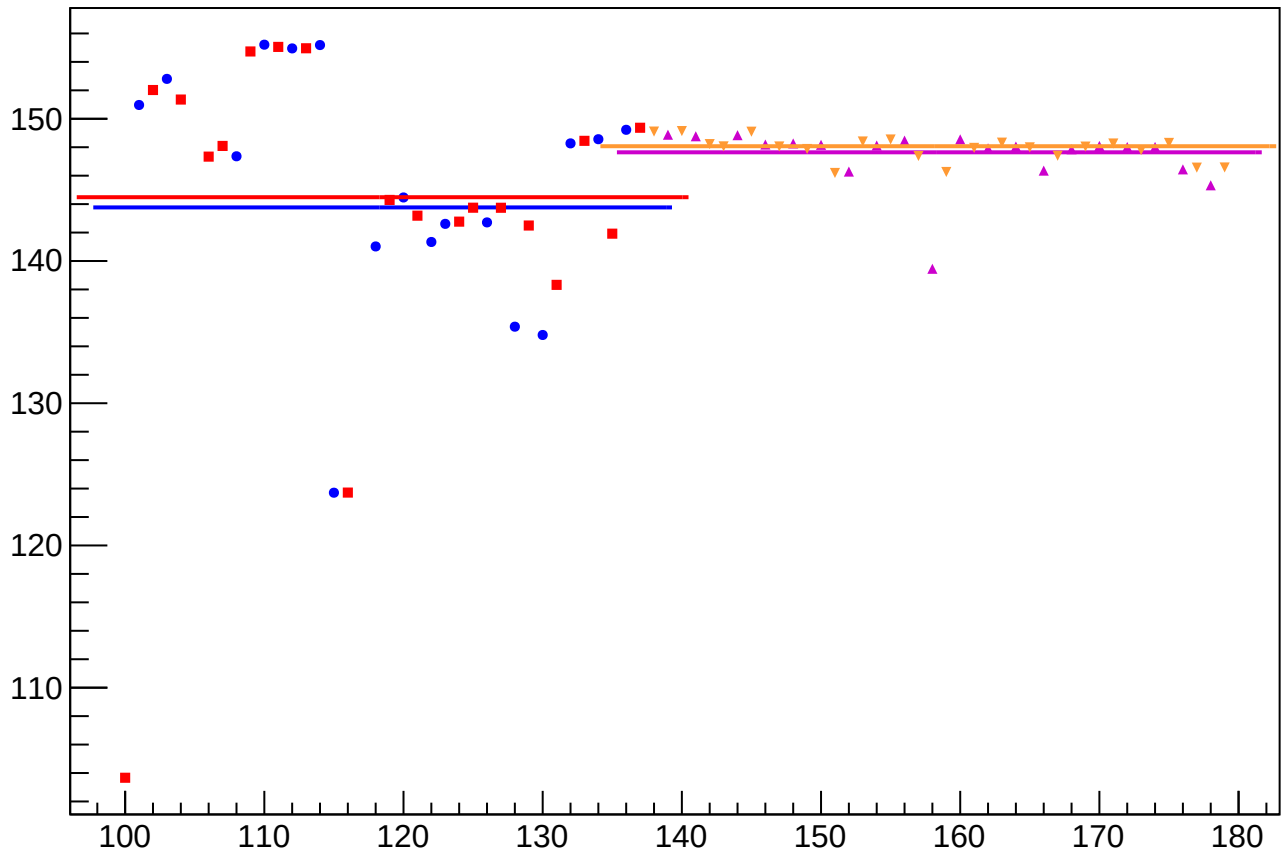
Left In: 31.458 $\pm$ 0.006 χ^2 /NDF: 87013.7/19

+ sign 31.397 $\pm$ 0.005 χ^2 /NDF: 3092083.0/38

All: 31.365 $\pm$ 0.003 χ^2 /NDF: 6640089.7/77

- sign 31.331 $\pm$ 0.005 χ^2 /NDF: 3547914.0/38

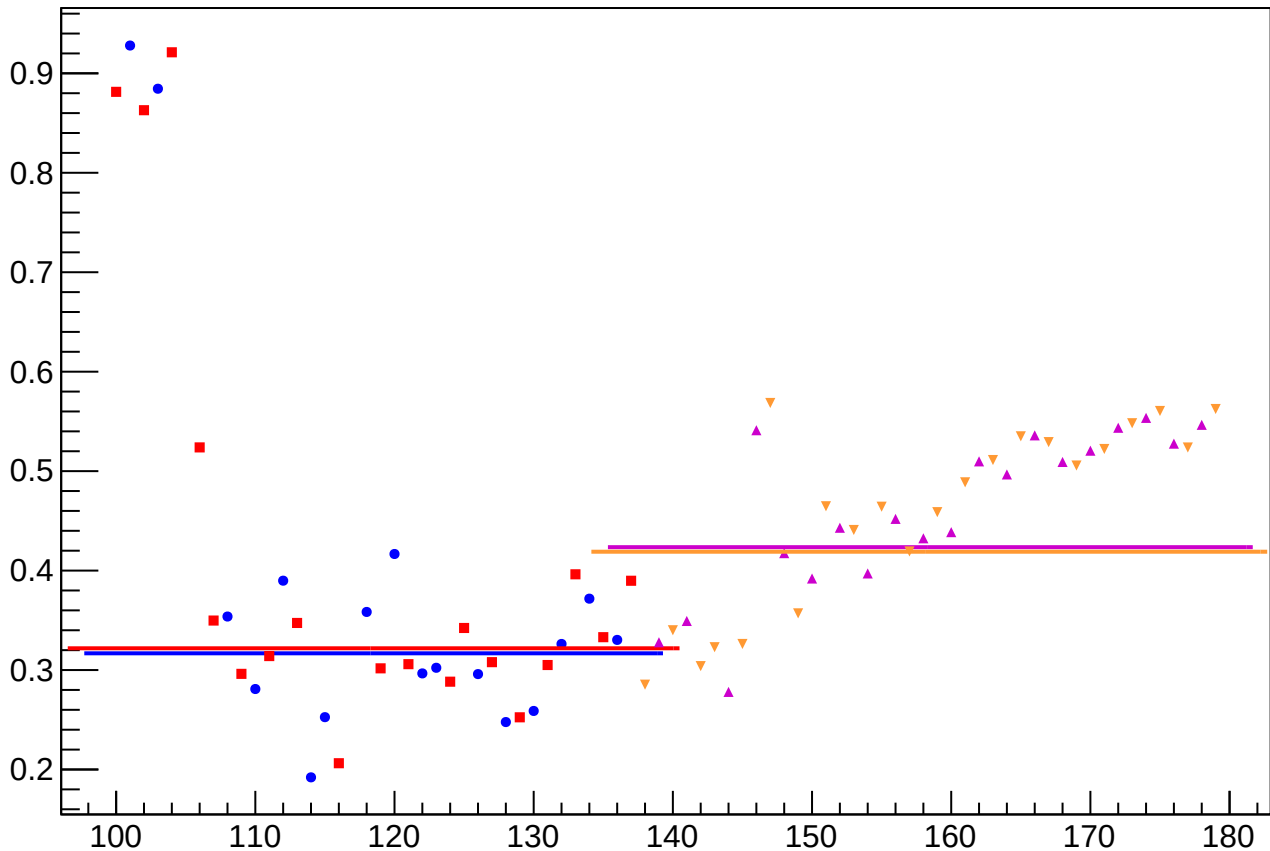
yield_bcm_an_ds_mean vs Slug



Right In: 143.768 ± 0.000 χ^2/NDF : 3532173868.5/16
 Left Out: 148.071 ± 0.000 χ^2/NDF : 65515368.5/21
 Right Out: 144.486 ± 0.000 χ^2/NDF : 4183608291.3/18
 Left In: 147.642 ± 0.000 χ^2/NDF : 343478620.0/19

+ sign 146.392 ± 0.000 χ^2/NDF : 4226023844.9/38
 All: 146.364 ± 0.000 χ^2/NDF : 9083582579.5
 - sign 146.335 ± 0.000 χ^2/NDF : 4857327338.5/38

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1278613.2/16

Left Out: 0.419 $\pm$ 0.000 χ^2 /NDF: 1590479.3/21

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1217762.5/18

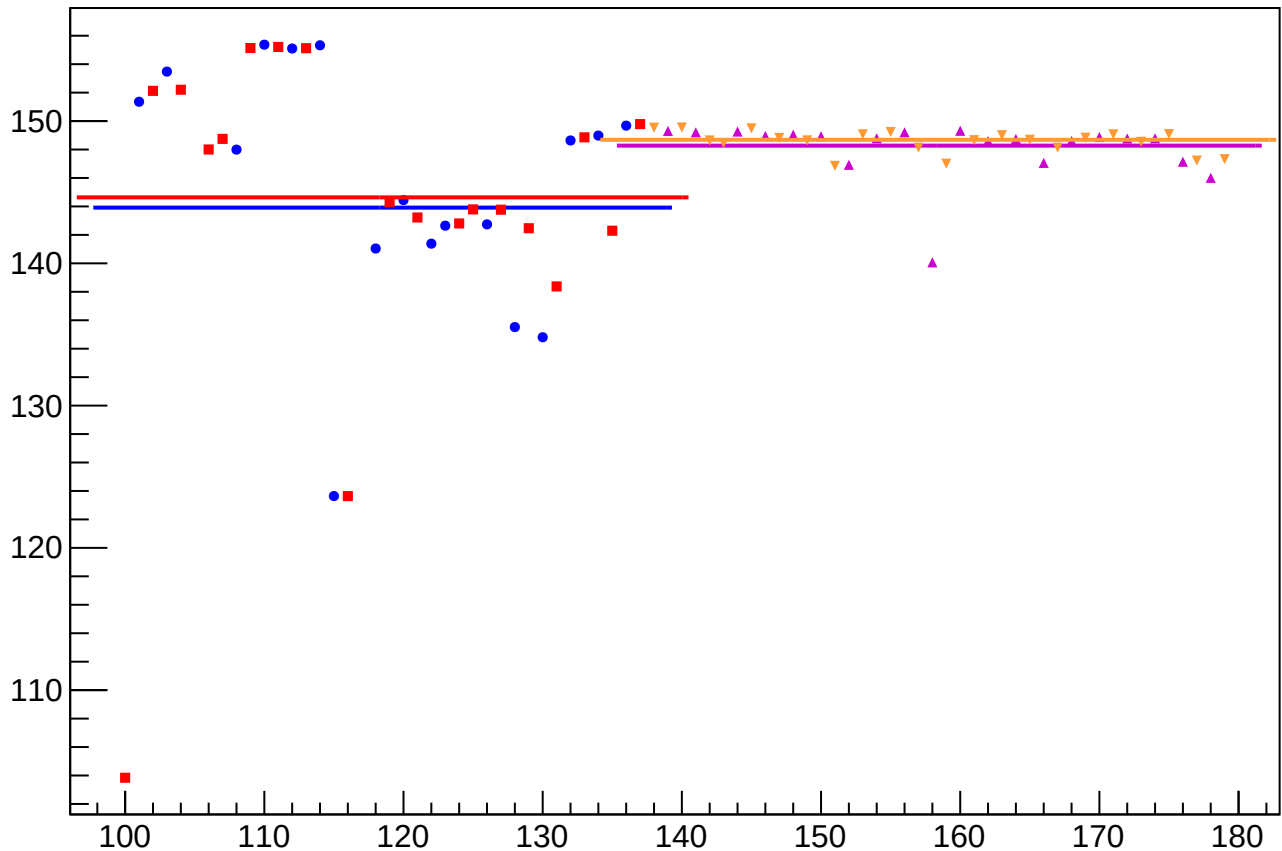
Left In: 0.424 $\pm$ 0.000 χ^2 /NDF: 1241916.4/19

+ sign 0.379 $\pm$ 0.000 χ^2 /NDF: 3577487.1/38

All: 0.380 $\pm$ 0.000 χ^2 /NDF: 6723047.8/77

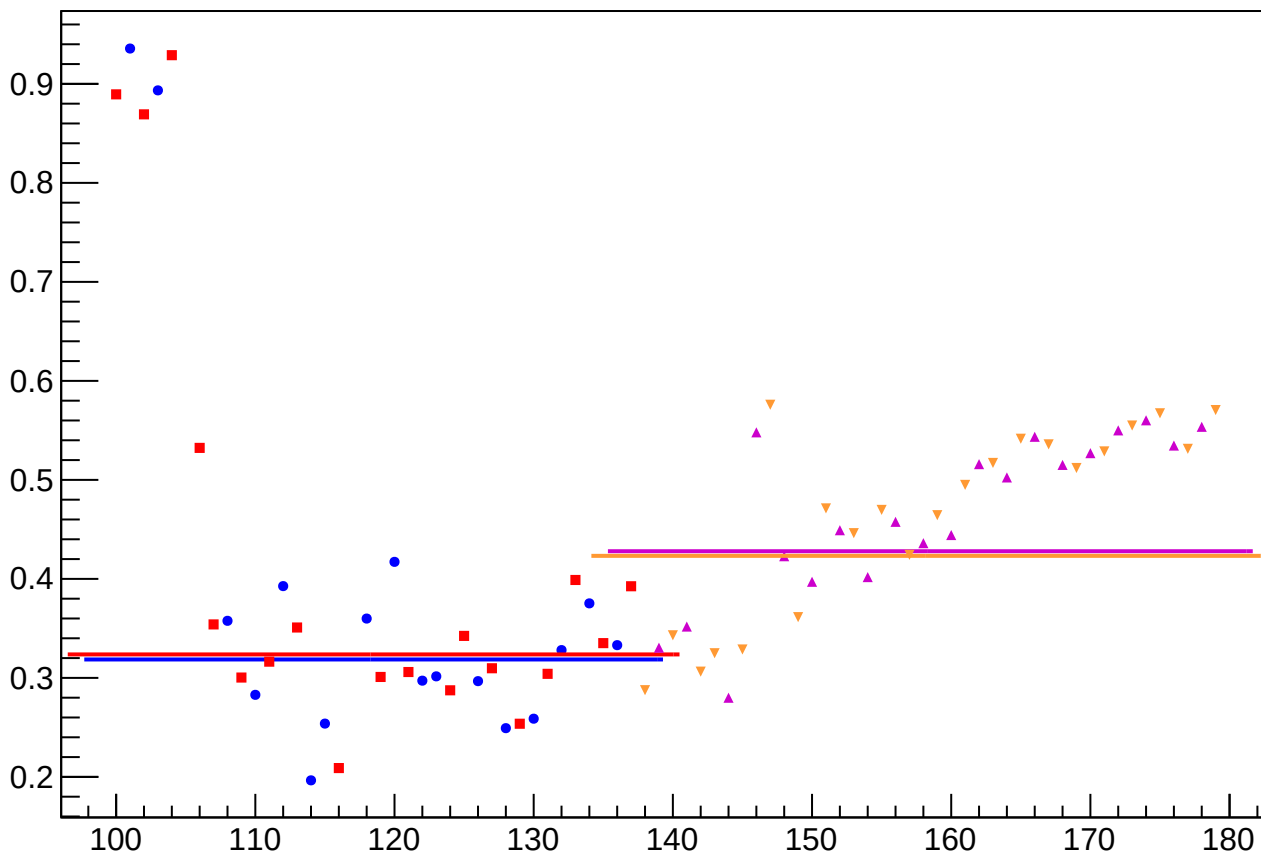
- sign 0.381 $\pm$ 0.000 χ^2 /NDF: 3144823.4/38

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000	χ^2 /NDF: 3584662767.5/16	+ sign 146.812 $\pm$ 0.000	χ^2 /NDF: 4396780121.8/38
Left Out: 148.684 $\pm$ 0.000	χ^2 /NDF: 52473150.3/21	All: 146.786 $\pm$ 0.000	χ^2 /NDF: 9371098779.9
Right Out: 144.637 $\pm$ 0.000	χ^2 /NDF: 4210524953.9/18	- sign 146.759 $\pm$ 0.000	χ^2 /NDF: 4974121472.3/38
Left In: 148.275 $\pm$ 0.000	χ^2 /NDF: 331872110.7/19		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 ± 0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.423 ± 0.000 χ^2/NDF : 1619718.6/21

Right Out: 0.324 ± 0.000 χ^2/NDF : 1220898.3/18

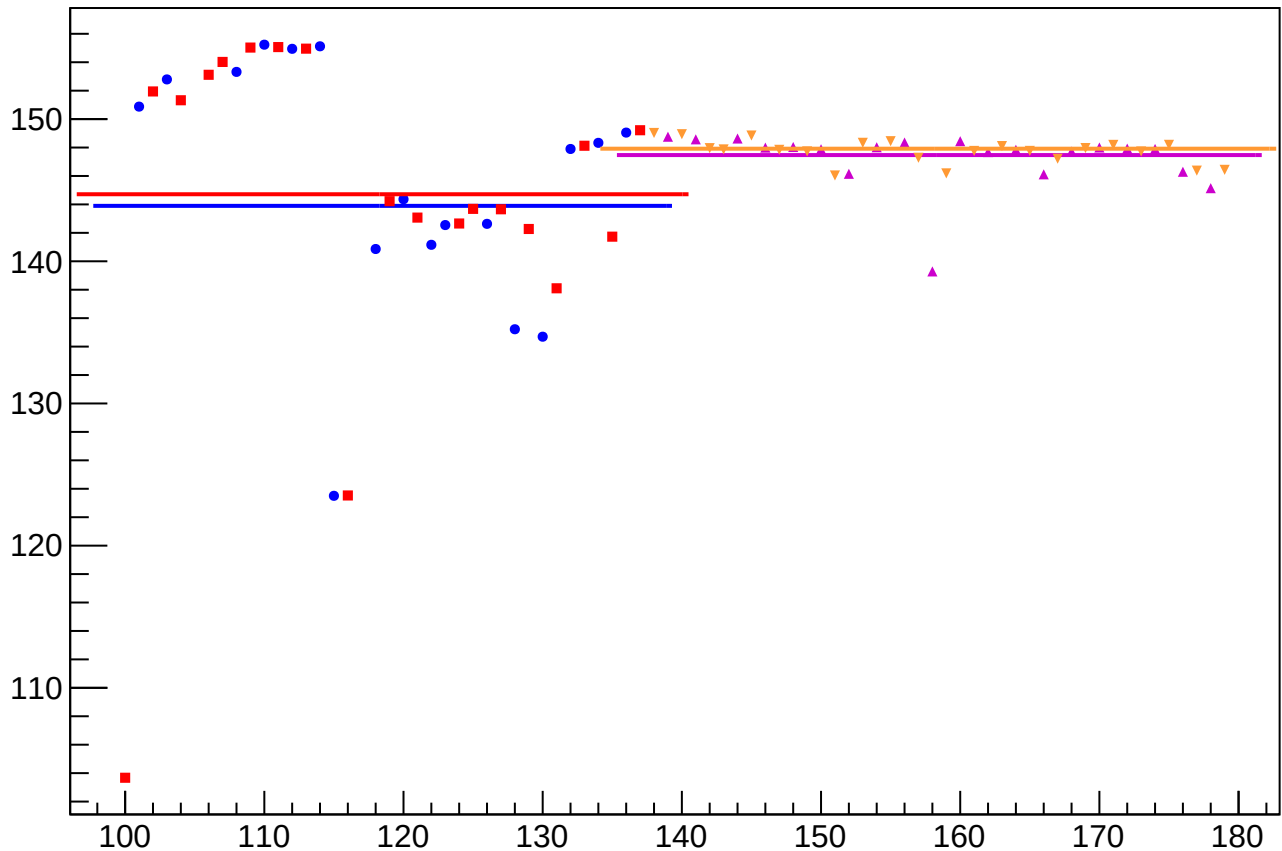
Left In: 0.428 ± 0.000 χ^2/NDF : 1264899.4/19

+ sign 0.382 ± 0.000 χ^2/NDF : 3632887.8/38

All: 0.383 ± 0.000 χ^2/NDF : 6828330.8/77

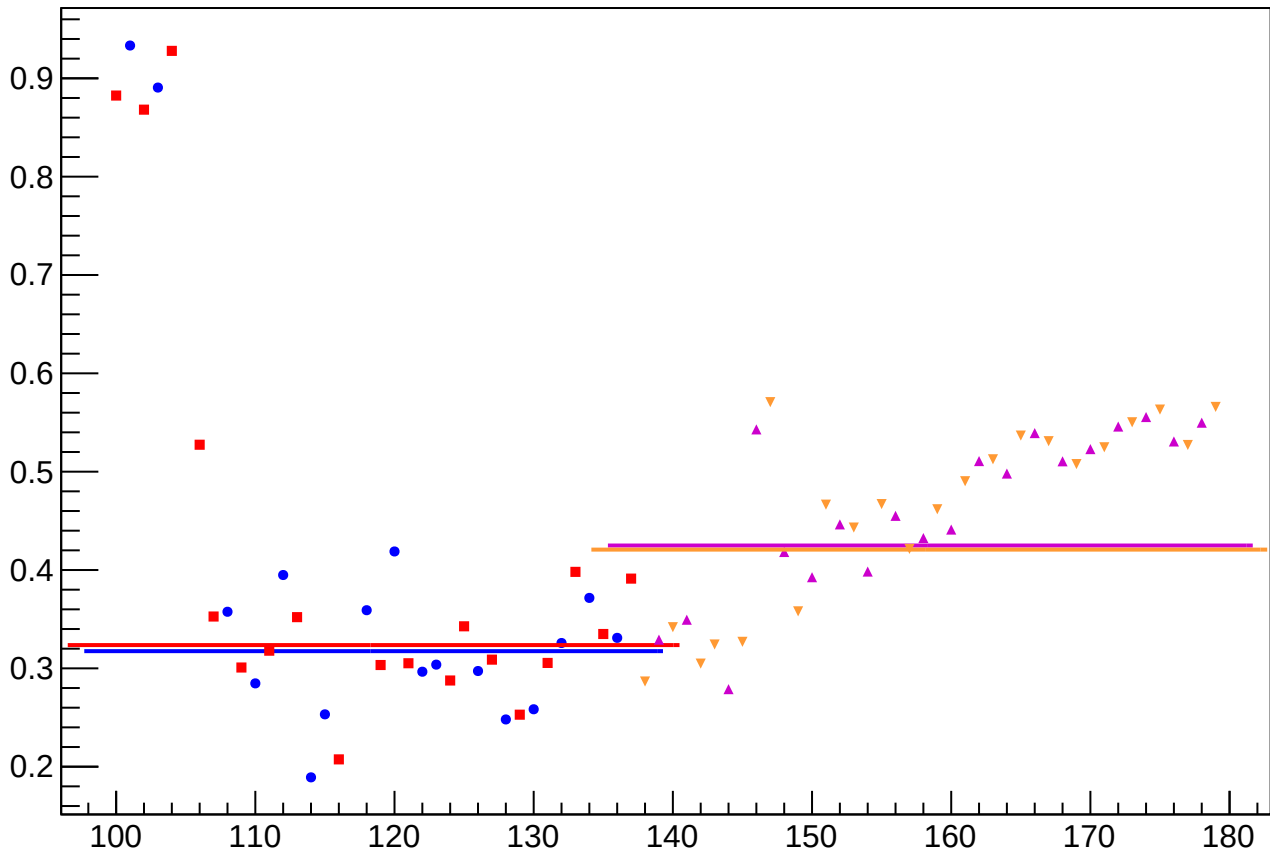
- sign 0.385 ± 0.000 χ^2/NDF : 3194701.2/38

yield_bcm_an_us_mean vs Slug



Right In: 143.899 $\pm$ 0.000	χ^2 /NDF: 3749888331.0/16	+ sign 146.348 $\pm$ 0.000	χ^2 /NDF: 4358648375.0/38
Left Out: 147.919 $\pm$ 0.000	χ^2 /NDF: 64017350.2/21	All: 146.340 $\pm$ 0.000	χ^2 /NDF: 9424946556.9
Right Out: 144.715 $\pm$ 0.000	χ^2 /NDF: 4474458988.7/18	- sign 146.332 $\pm$ 0.000	χ^2 /NDF: 5066280989.9/38
Left In: 147.471 $\pm$ 0.000	χ^2 /NDF: 342483964.3/19		

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1293179.2/16

Left Out: 0.421 $\pm$ 0.000 χ^2 /NDF:1594216.2/21

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1221676.7/18

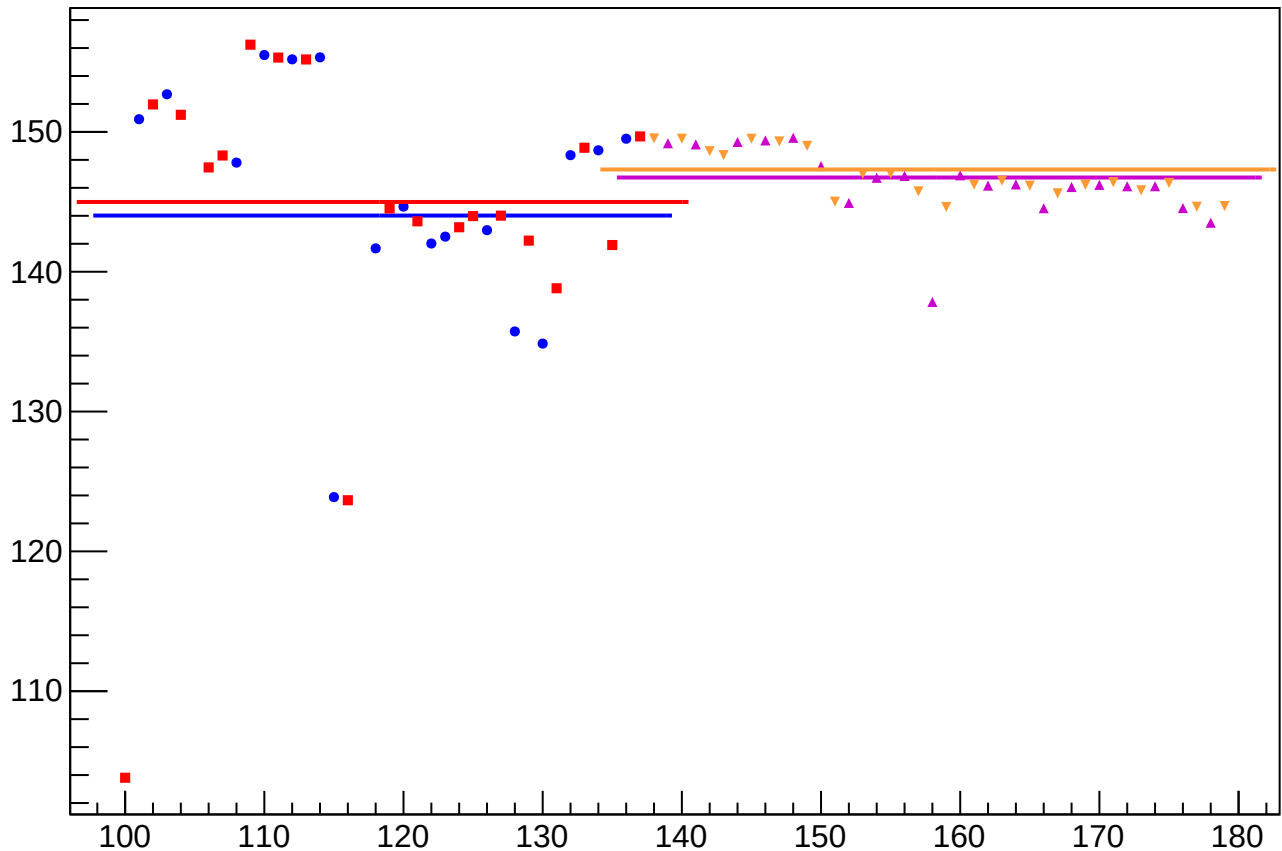
Left In: 0.425 $\pm$ 0.000 χ^2 /NDF:1250673.5/19

+ sign 0.380 $\pm$ 0.000 χ^2 /NDF: 3606073.2/38

All: 0.382 $\pm$ 0.000 χ^2 /NDF: 6752542.5/77

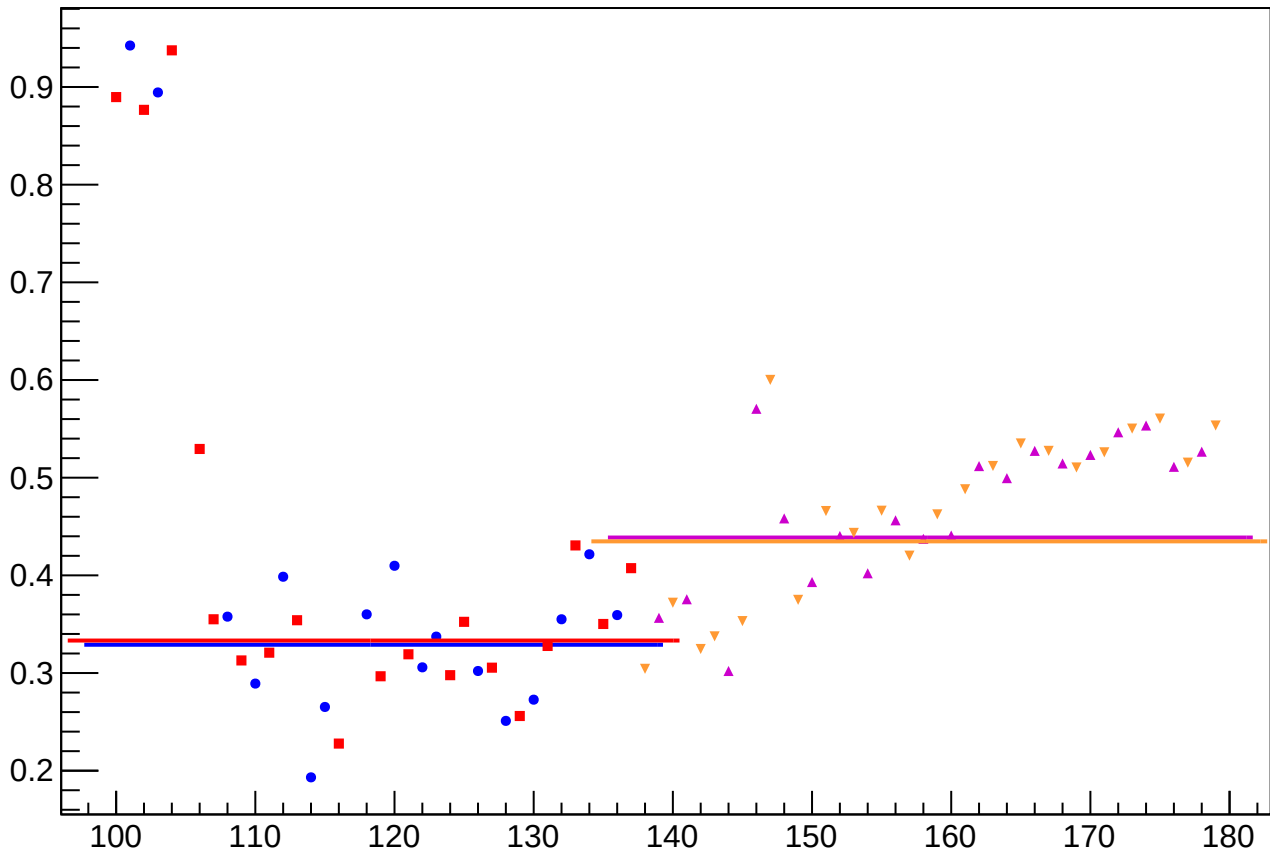
- sign 0.383 $\pm$ 0.000 χ^2 /NDF: 3145479.0/38

yield_bcm_dg_us_mean vs Slug



Right In: 144.018+/-0.000	χ^2/NDF : 3238525527.6/16	+ sign 146.039+/-0.000	χ^2/NDF : 3832657668.1/38
Left Out: 147.314+/-0.000	χ^2/NDF : 251645993.3/21	All: 146.029+/-0.000	χ^2/NDF : 8332794870.8
Right Out: 144.990+/-0.000	χ^2/NDF : 3853449012.9/18	- sign 146.019+/-0.000	χ^2/NDF : 4500110411.5/38
Left In: 146.740+/-0.000	χ^2/NDF : 551733417.1/19		

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 $\pm$ 0.000 χ^2 /NDF: 1276118.3/16

Left Out: 0.435 $\pm$ 0.000 χ^2 /NDF:1223891.0/21

Right Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 1182496.7/18

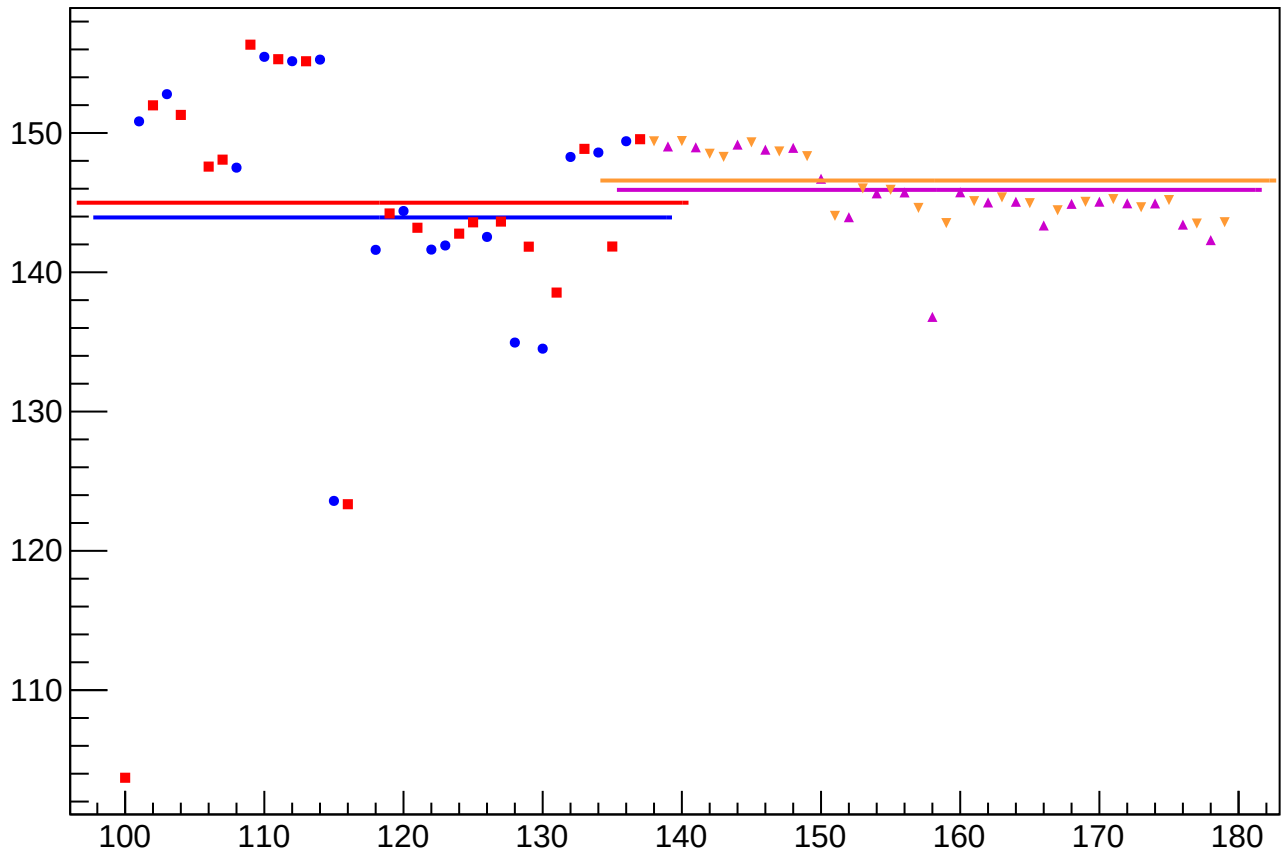
Left In: 0.439 $\pm$ 0.000 χ^2 /NDF:917596.1/19

+ sign 0.394 $\pm$ 0.000 χ^2 /NDF: 3206124.2/38

All: 0.395 $\pm$ 0.000 χ^2 /NDF: 5996201.6/77

- sign 0.395 $\pm$ 0.000 χ^2 /NDF: 2789814.5/38

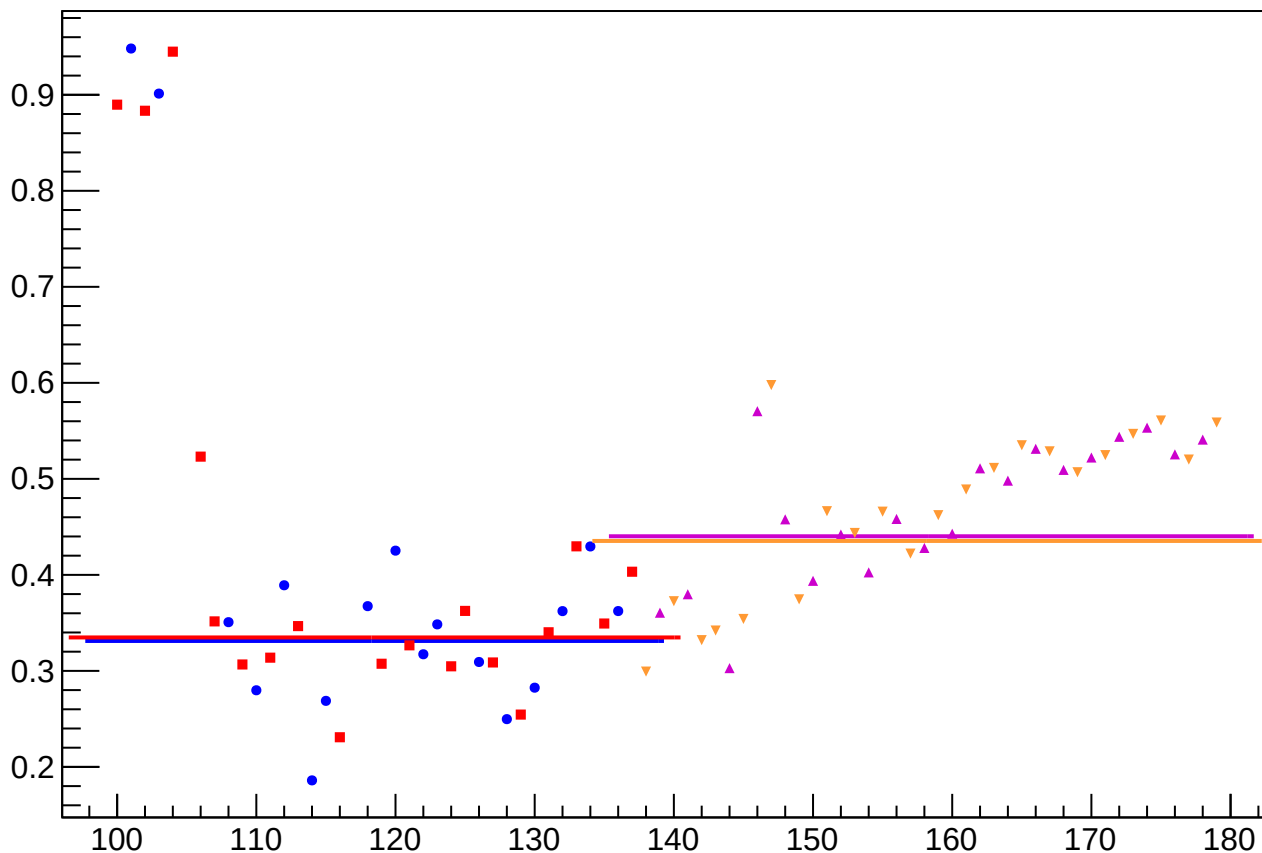
yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 ± 0.000 χ^2/NDF : 3379203532.9/16
 Left Out: 146.588 ± 0.000 χ^2/NDF : 382456140.7/21
 Right Out: 144.995 ± 0.000 χ^2/NDF : 3934069043.2/18
 Left In: 145.916 ± 0.000 χ^2/NDF : 683349473.0/19

+ sign 145.572 ± 0.000 χ^2/NDF : 3980548844.5/38
 All: 145.555 ± 0.000 χ^2/NDF : 8624116741.9
 - sign 145.538 ± 0.000 χ^2/NDF : 4643493191.4/38

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 $\pm$ 0.000 χ^2 /NDF: 1295749.0/16

Left Out: 0.435 $\pm$ 0.000 χ^2 /NDF:1220924.3/21

Right Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1172239.8/18

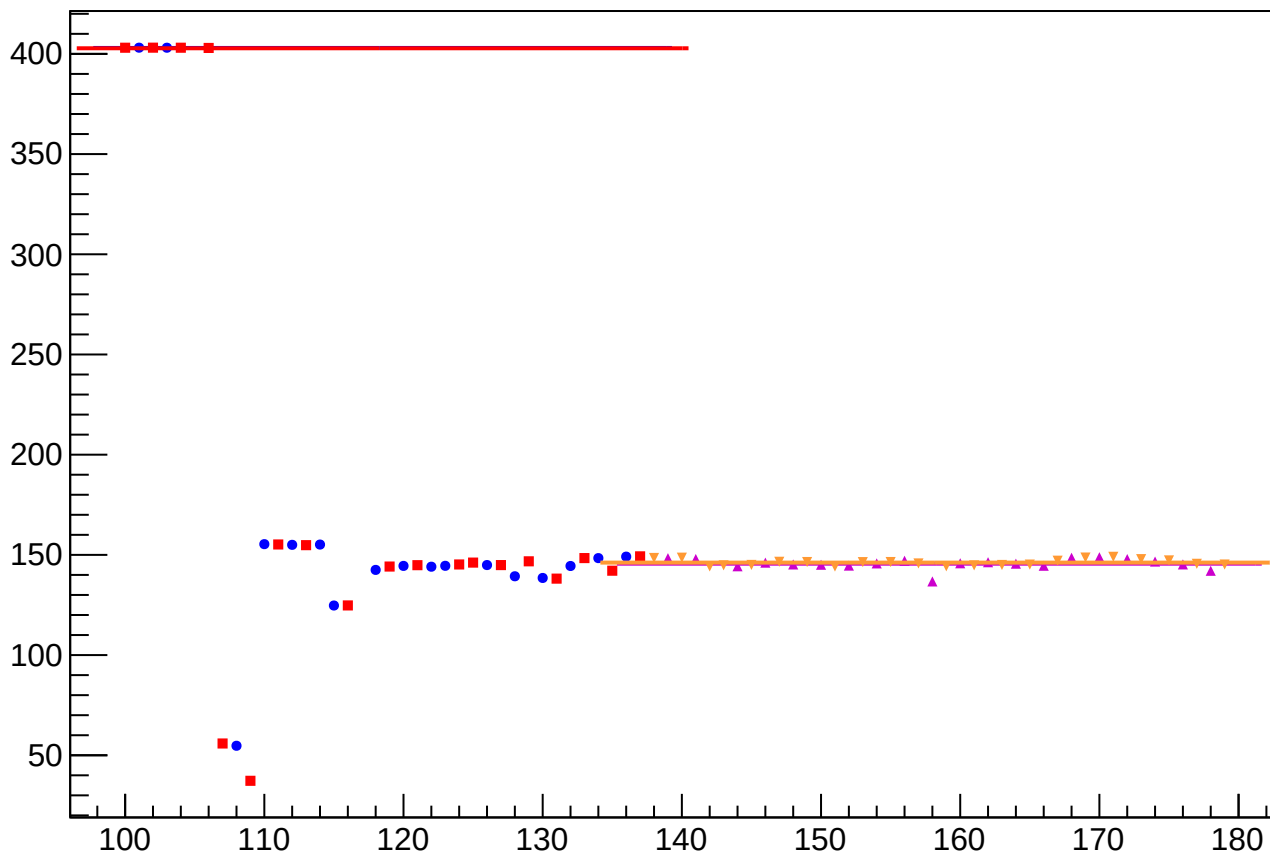
Left In: 0.440 $\pm$ 0.000 χ^2 /NDF:910106.4/19

+ sign 0.395 $\pm$ 0.000 χ^2 /NDF: 3192501.9/38

All: 0.396 $\pm$ 0.000 χ^2 /NDF: 5957155.4/77

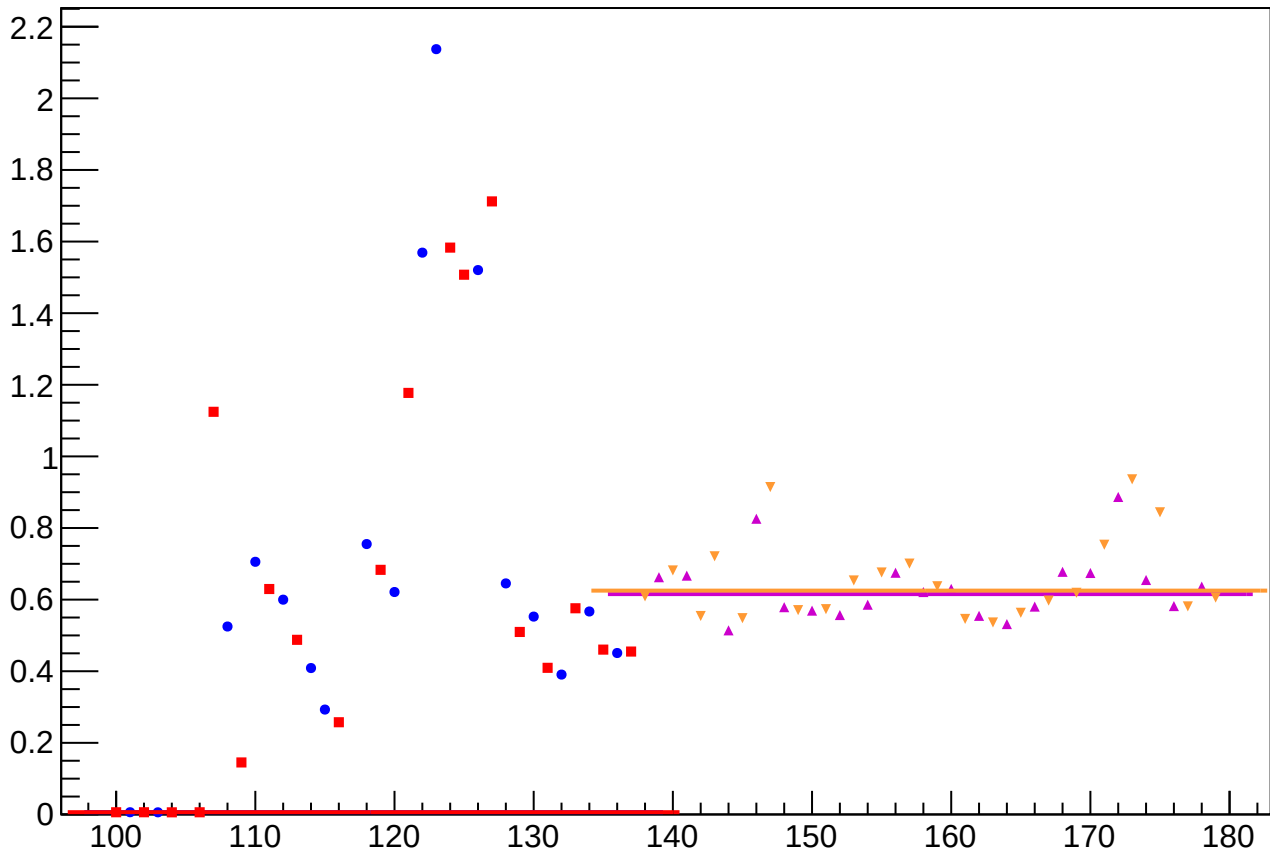
- sign 0.397 $\pm$ 0.000 χ^2 /NDF: 2764362.4/38

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000	χ^2/NDF : 1096710296821.6/16	+ sign 402.689+/-0.000	χ^2/NDF : 3239020635234.0
Left Out: 146.145+/-0.000	χ^2/NDF : 76766697.0/21	All: 402.627+/-0.000	χ^2/NDF : 840618929232
Right Out: 402.799+/-0.000	χ^2/NDF : 3103890772575.4/18	- sign 402.571+/-0.000	χ^2/NDF : 5166936676538.6
Left In: 145.602+/-0.000	χ^2/NDF : 191867869.4/19		

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.625+/-0.000 χ^2/NDF :559716.8/21

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

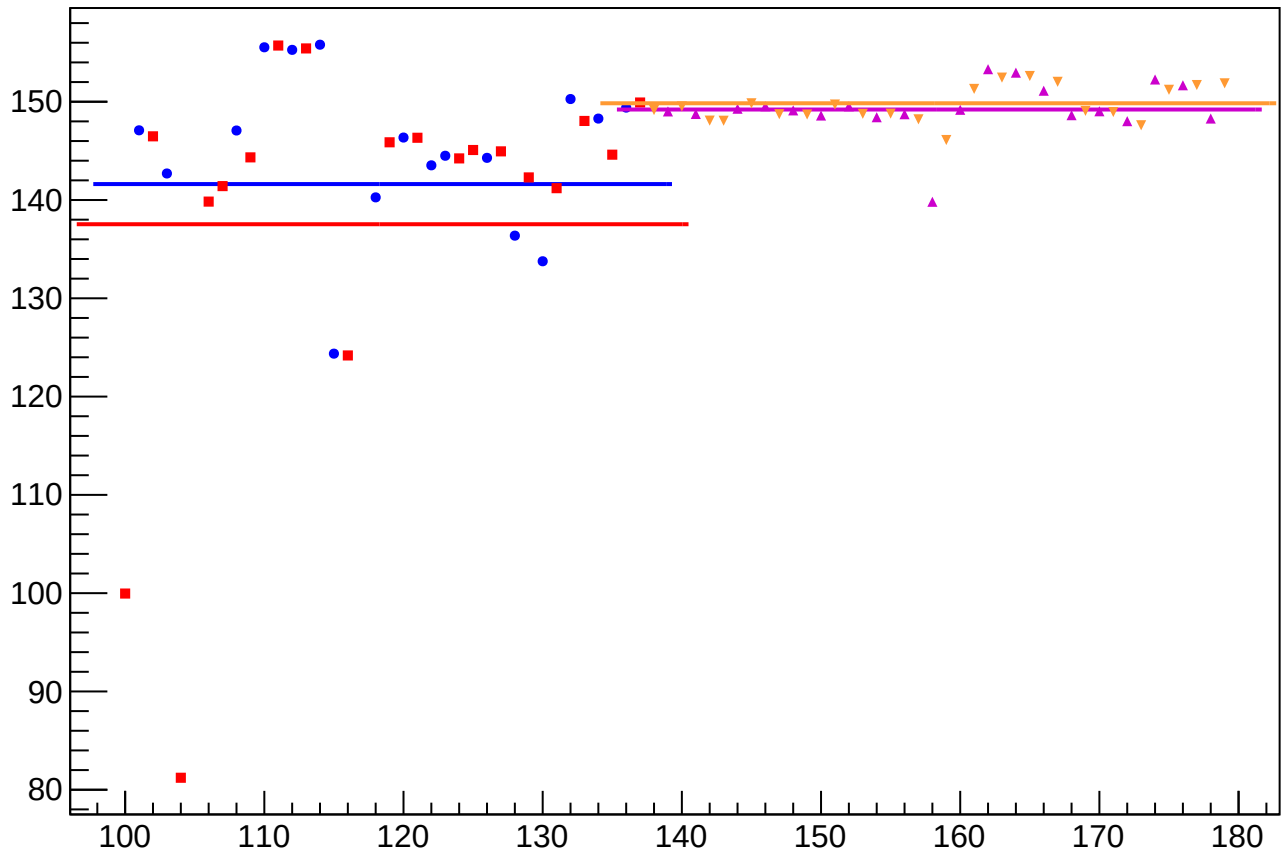
Left In: 0.615+/-0.000 χ^2/NDF :352118.4/19

+ sign 0.007+/-0.000 χ^2/NDF : 34595262.8/38

All: 0.007+/-0.000 χ^2/NDF : 67298885.7/77

- sign 0.007+/-0.000 χ^2/NDF : 32703162.8/38

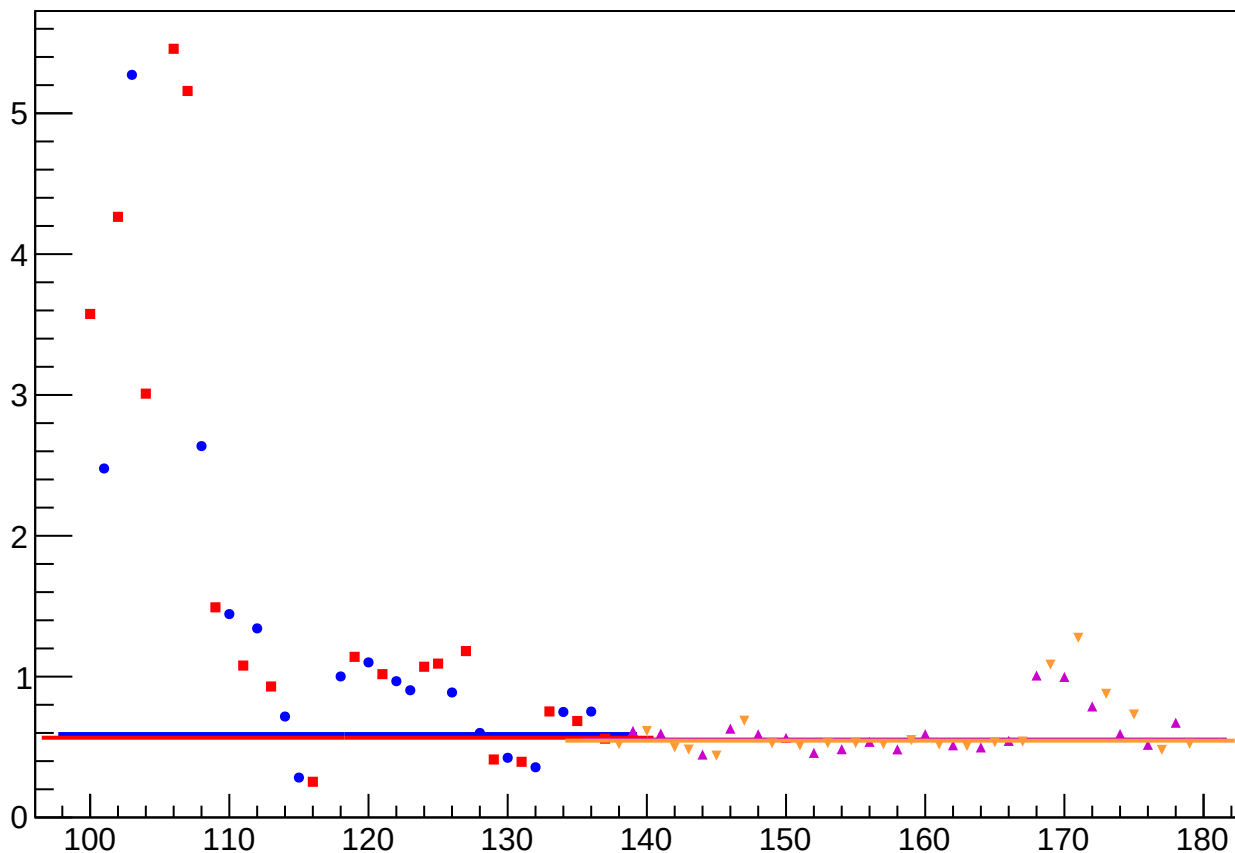
yield_cav4cQ_mean vs Slug



Right In: 141.622 ± 0.000 χ^2/NDF : 982037737.7/16
 Left Out: 149.843 ± 0.000 χ^2/NDF : 152805134.3/21
 Right Out: 137.536 ± 0.000 χ^2/NDF : 1315768553.6/18
 Left In: 149.207 ± 0.000 χ^2/NDF : 403170939.7/19

+ sign 148.408 ± 0.000 χ^2/NDF : 1699408659.9/38
 All: 147.689 ± 0.000 χ^2/NDF : 4643423192.1
 - sign 146.919 ± 0.000 χ^2/NDF : 2881963658.9/38

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.545 $\pm$ 0.000 χ^2 /NDF:1345929.1/21

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4682140.9/18

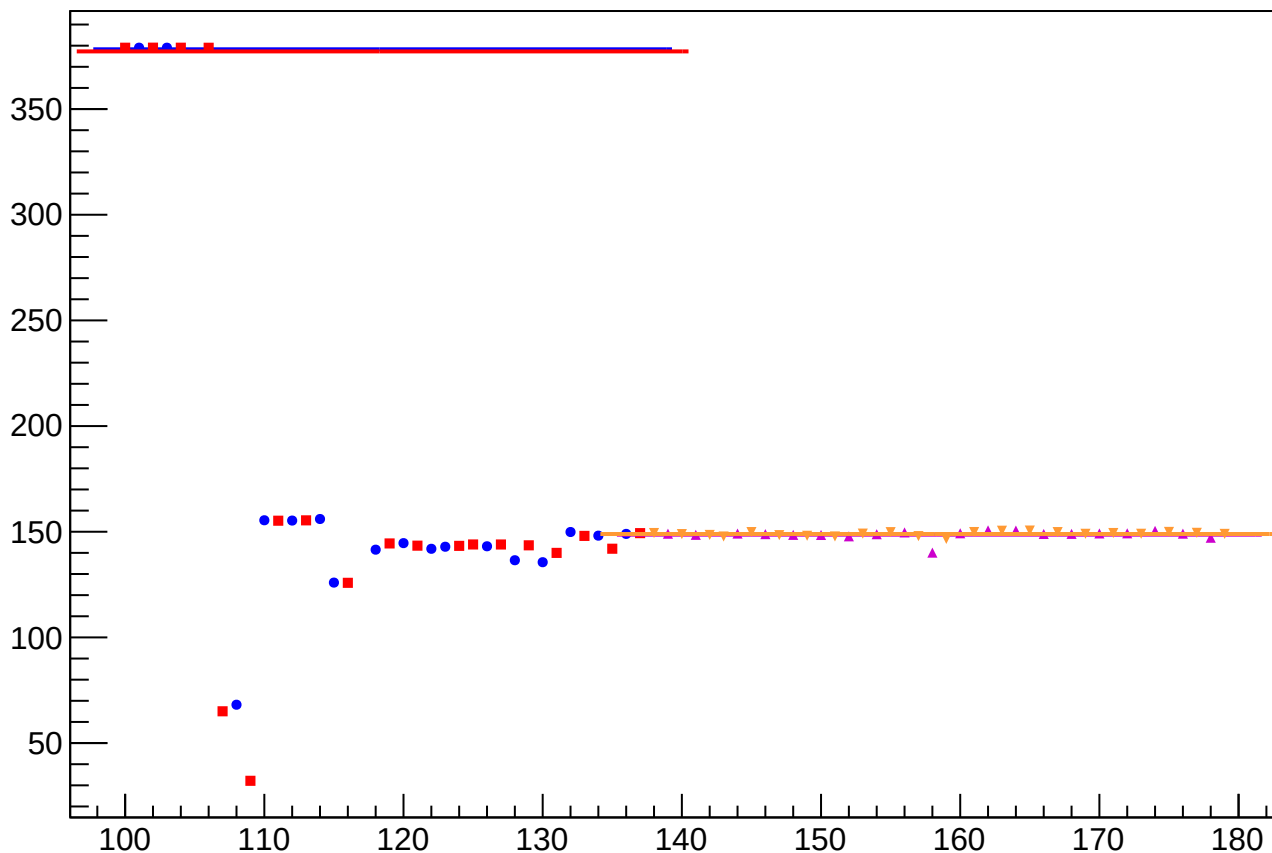
Left In: 0.553 $\pm$ 0.000 χ^2 /NDF:1014813.6/19

+ sign 0.554 $\pm$ 0.000 χ^2 /NDF: 4904152.2/38

All: 0.555 $\pm$ 0.000 χ^2 /NDF: 10604272.0/77

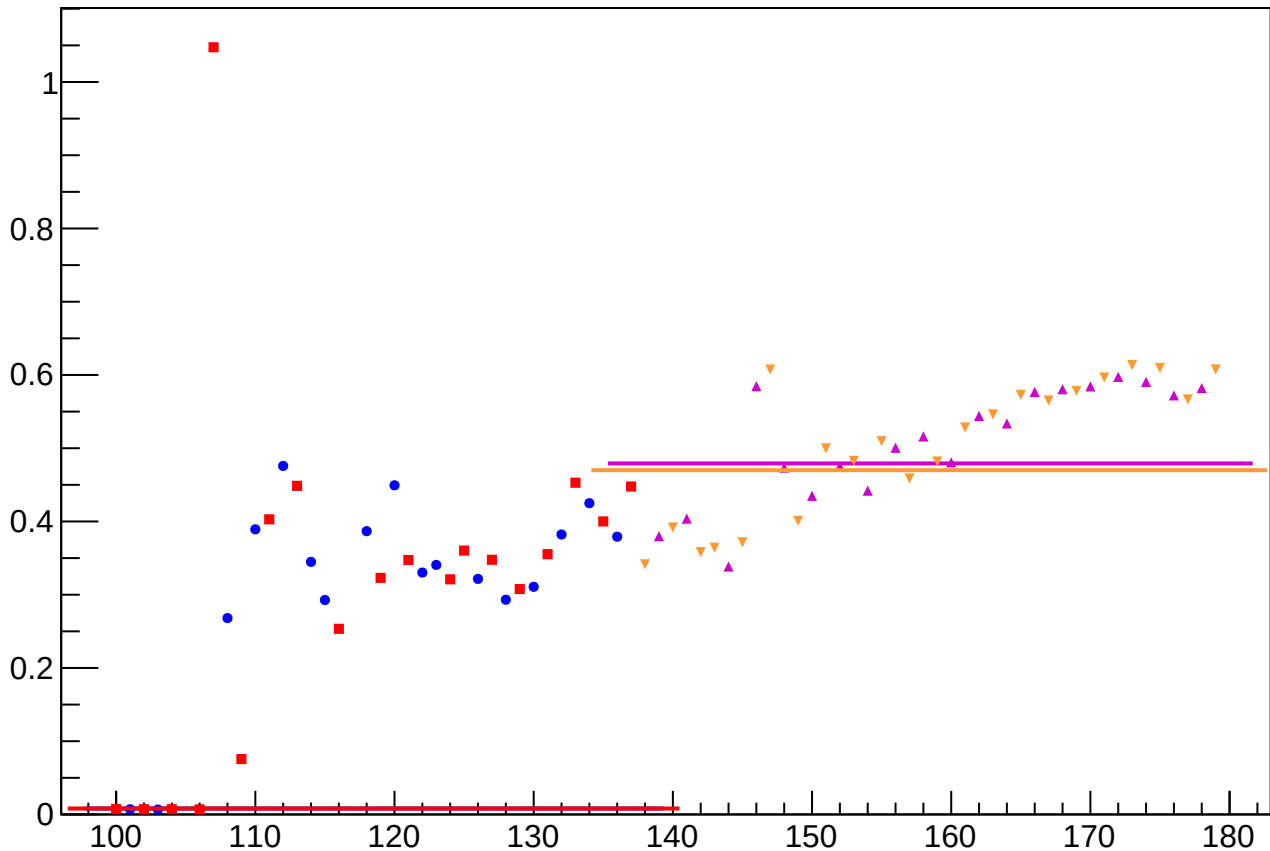
- sign 0.556 $\pm$ 0.000 χ^2 /NDF: 5699888.6/38

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16
 Left Out: 148.925+/-0.000 χ^2/NDF : 63774889.4/21
 Right Out: 377.289+/-0.000 χ^2/NDF : 8279468194444.1/18
 Left In: 148.610+/-0.000 χ^2/NDF : 247361812.2/19

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9885759.8/16

Left Out: 0.470 $\pm$ 0.000 χ^2 /NDF:1237994.7/21

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9535410.6/18

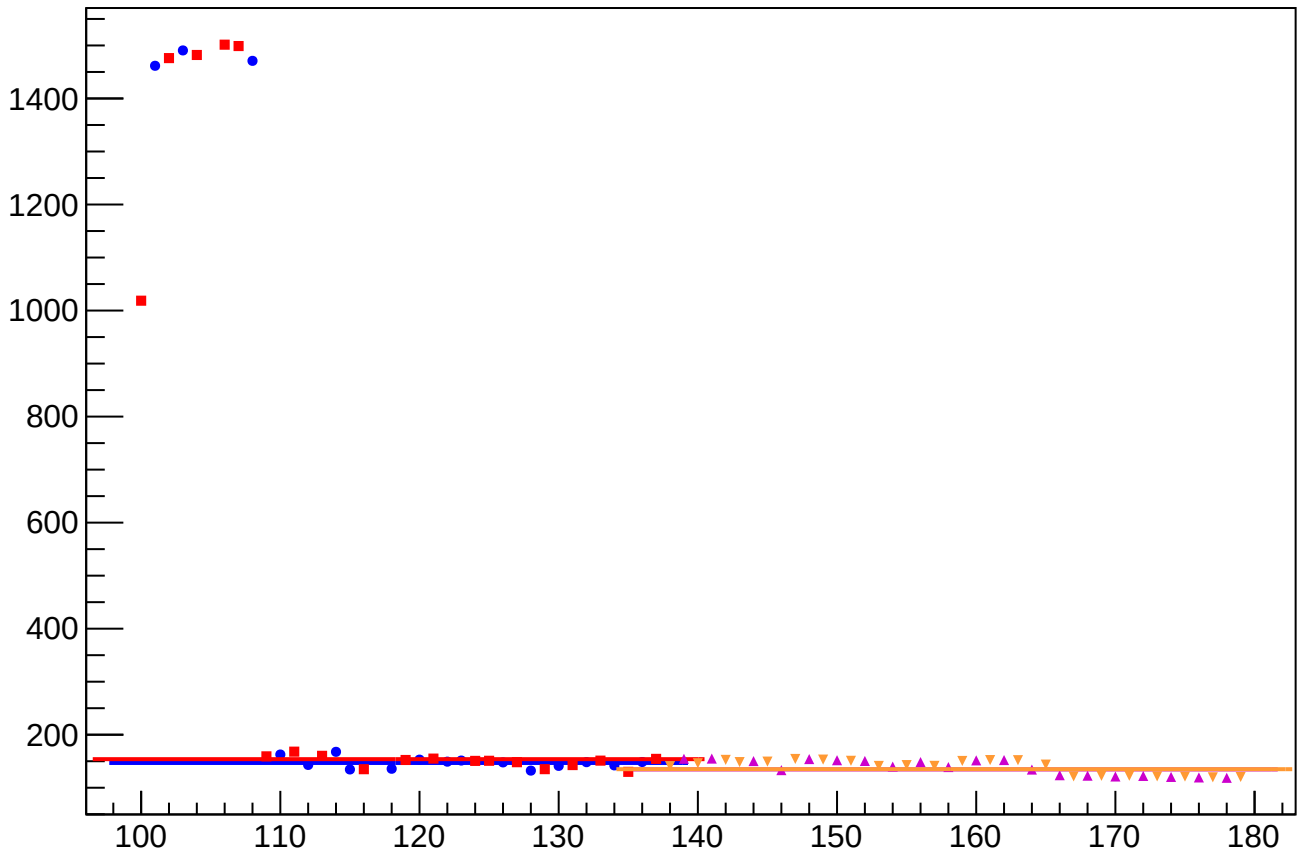
Left In: 0.479 $\pm$ 0.000 χ^2 /NDF:885400.1/19

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 40893313.3/38

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 79373405.7/77

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 38477343.3/38

yield_bcm0l02_mean vs Slug



Right In: 146.723 ± 0.000 χ^2/NDF : 24350870553.3/16

Left Out: 134.972 ± 0.000 χ^2/NDF : 4007782681.8/21

Right Out: 153.887 ± 0.000 χ^2/NDF : 33738118250.9/18

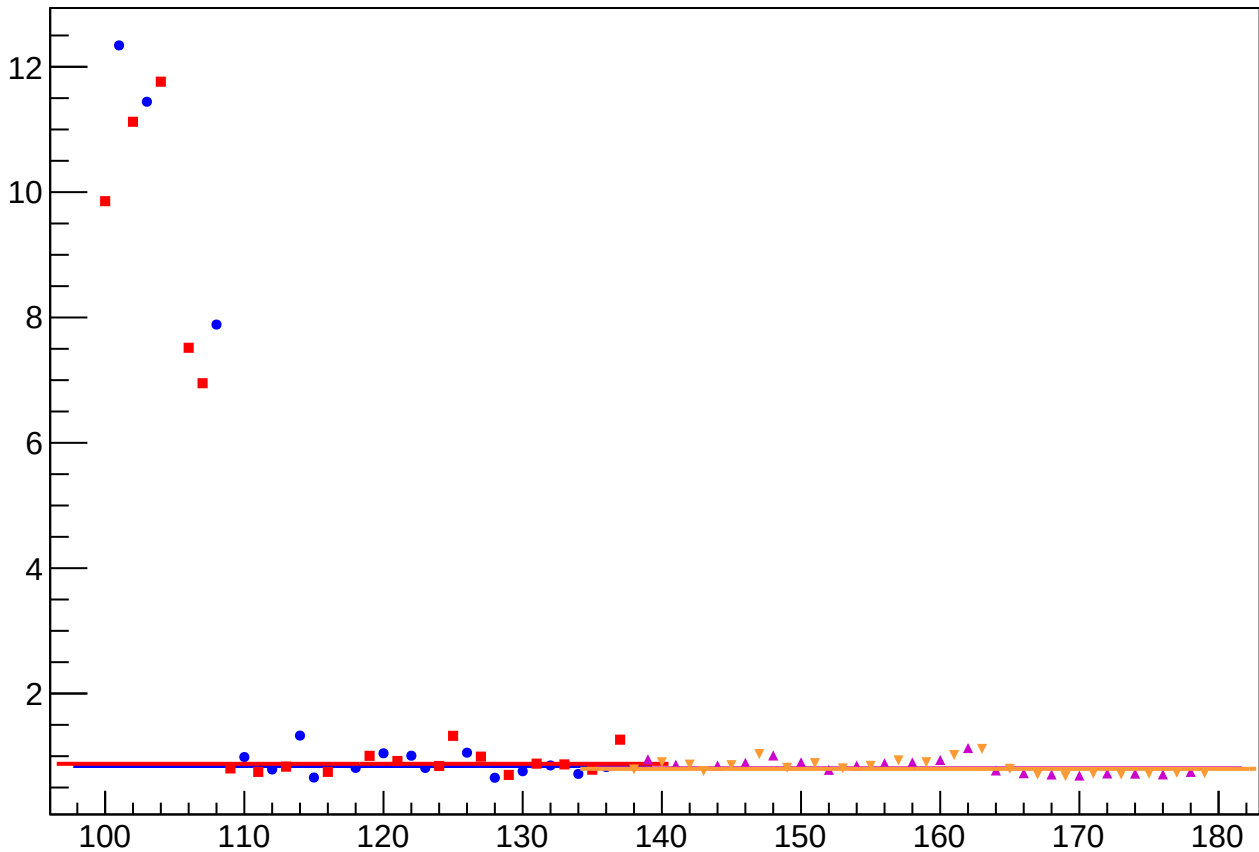
Left In: 134.518 ± 0.000 χ^2/NDF : 3932592652.5/19

+ sign 137.285 ± 0.000 χ^2/NDF : 28952522812.4/38

All: 137.901 ± 0.000 χ^2/NDF : 68215342298.1/40

- sign 138.562 ± 0.000 χ^2/NDF : 39241455723.1/38

yield_bcm0l02_rms vs Slug



Right In: 0.844 ± 0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.798 ± 0.000 χ^2/NDF : 478120.9/21

Right Out: 0.878 ± 0.000 χ^2/NDF : 2812500.6/18

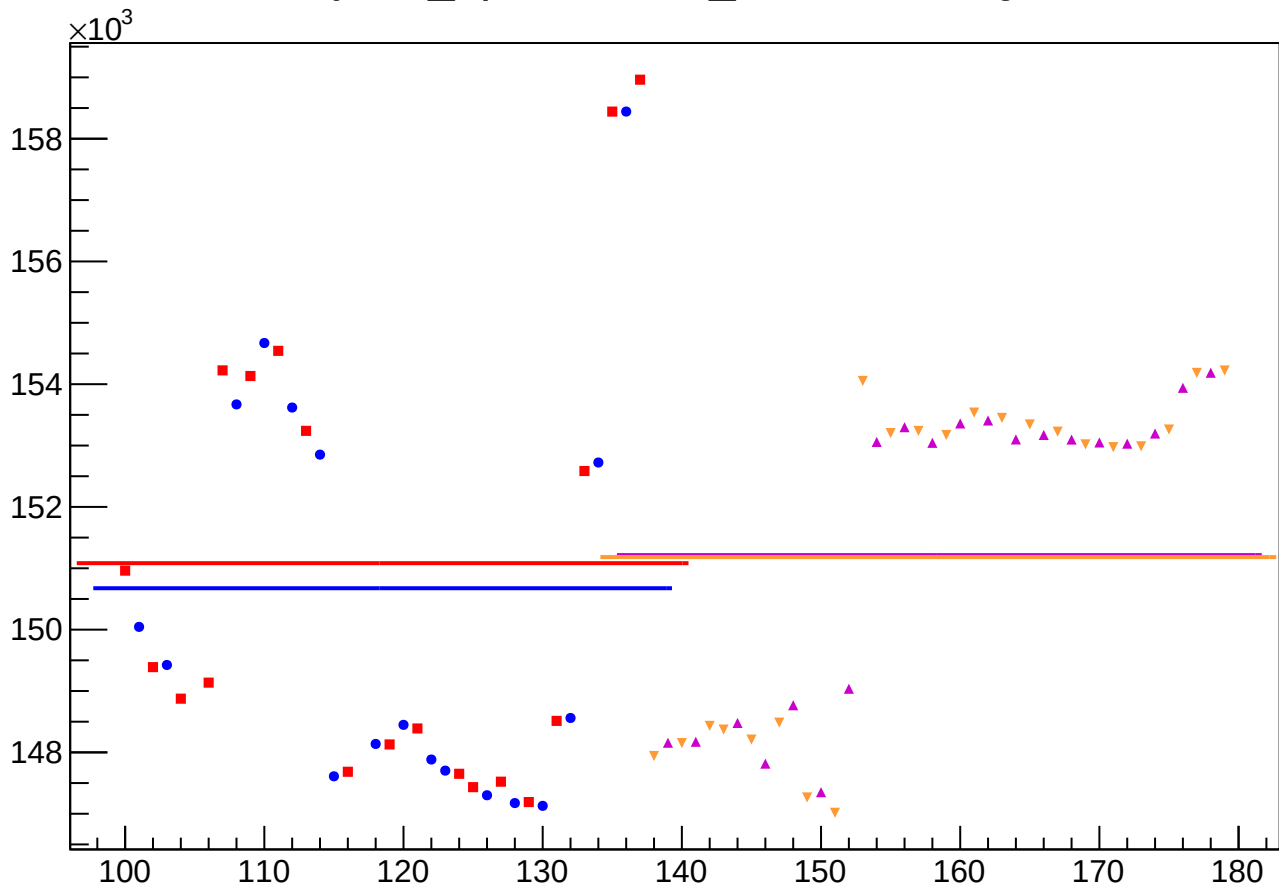
Left In: 0.807 ± 0.000 χ^2/NDF : 443756.6/19

+ sign 0.807 ± 0.000 χ^2/NDF : 3166197.1/38

All: 0.814 ± 0.000 χ^2/NDF : 6470600.8/77

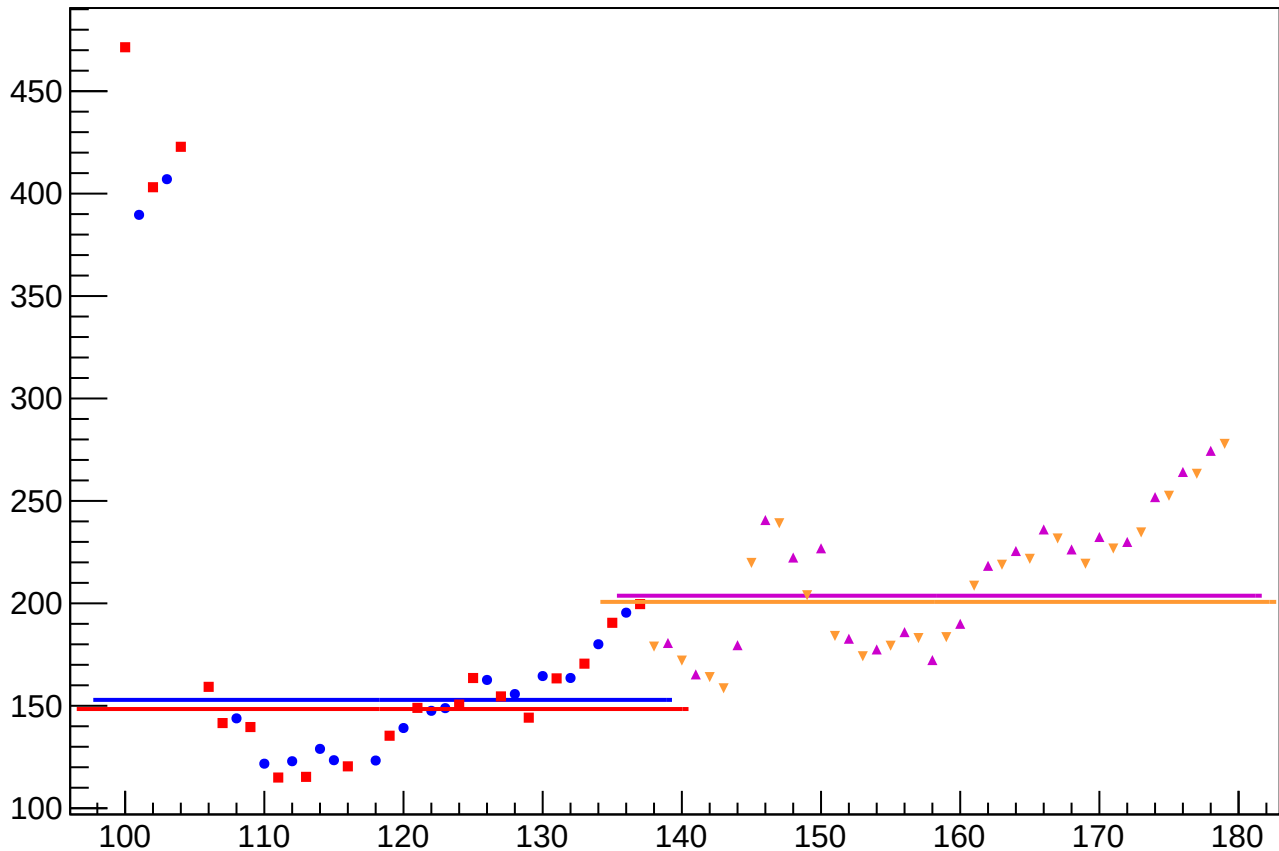
- sign 0.822 ± 0.000 χ^2/NDF : 3298781.0/38

yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16
 Left Out: 151182.152 $\pm$ 0.050 χ^2 /NDF: 2940810926.1/21
 Right Out: 151083.268 $\pm$ 0.060 χ^2 /NDF: 3300830370.5/18
 Left In: 151215.246 $\pm$ 0.053 χ^2 /NDF: 2190536622.0/19
 All: 151070.827 $\pm$ 0.028 χ^2 /NDF: 117941619
 + sign 150985.584 $\pm$ 0.039 χ^2 /NDF: 6290514966.7
 - sign 151157.426 $\pm$ 0.040 χ^2 /NDF: 5494113794.2

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 ± 0.045 χ^2/NDF : 1154088.7/16

Left Out: 200.717 ± 0.035 χ^2/NDF : 742510.3/21

Right Out: 148.418 ± 0.042 χ^2/NDF : 1191577.6/18

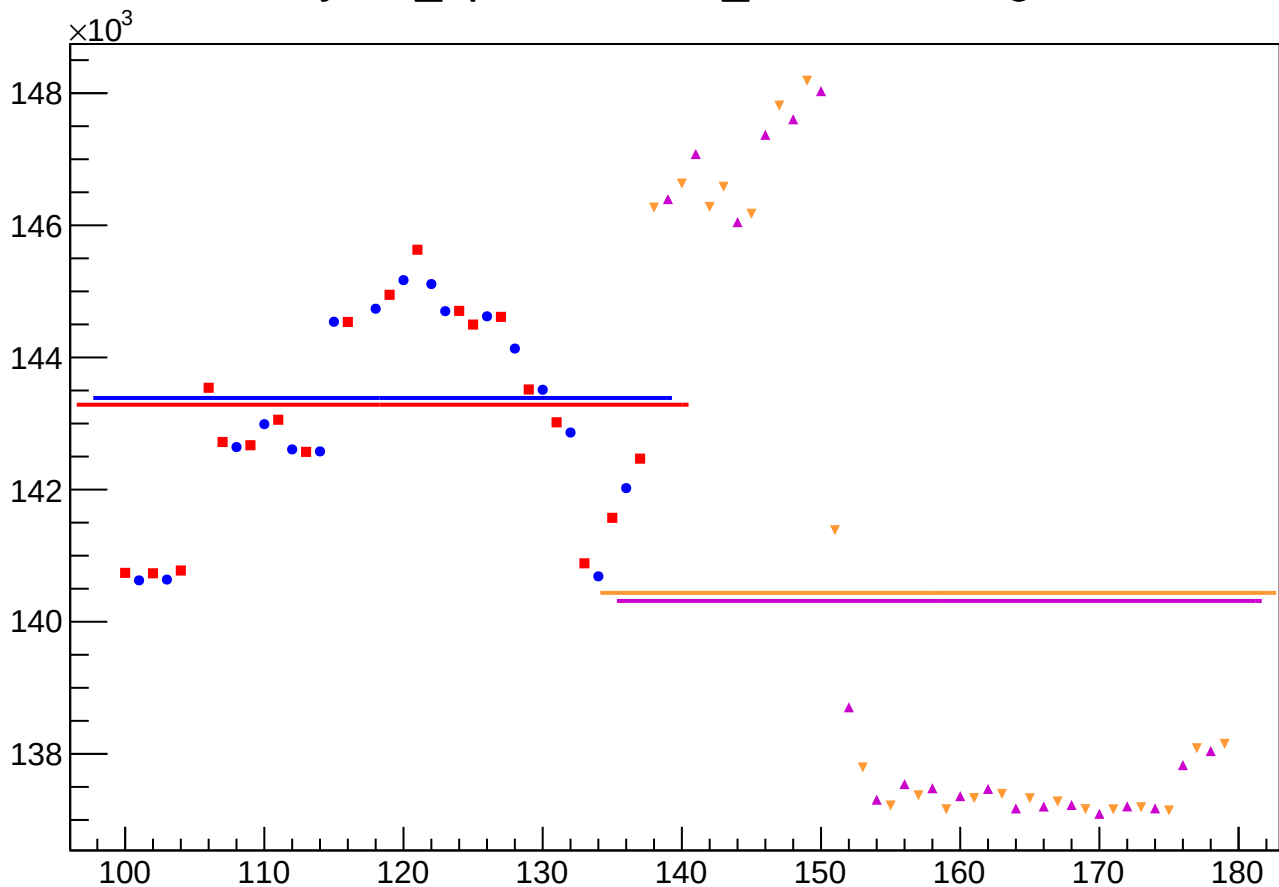
Left In: 203.729 ± 0.037 χ^2/NDF : 674305.3/19

+ sign 182.176 ± 0.028 χ^2/NDF : 2603520.5/38

All: 180.847 ± 0.020 χ^2/NDF : 5438929.3/77

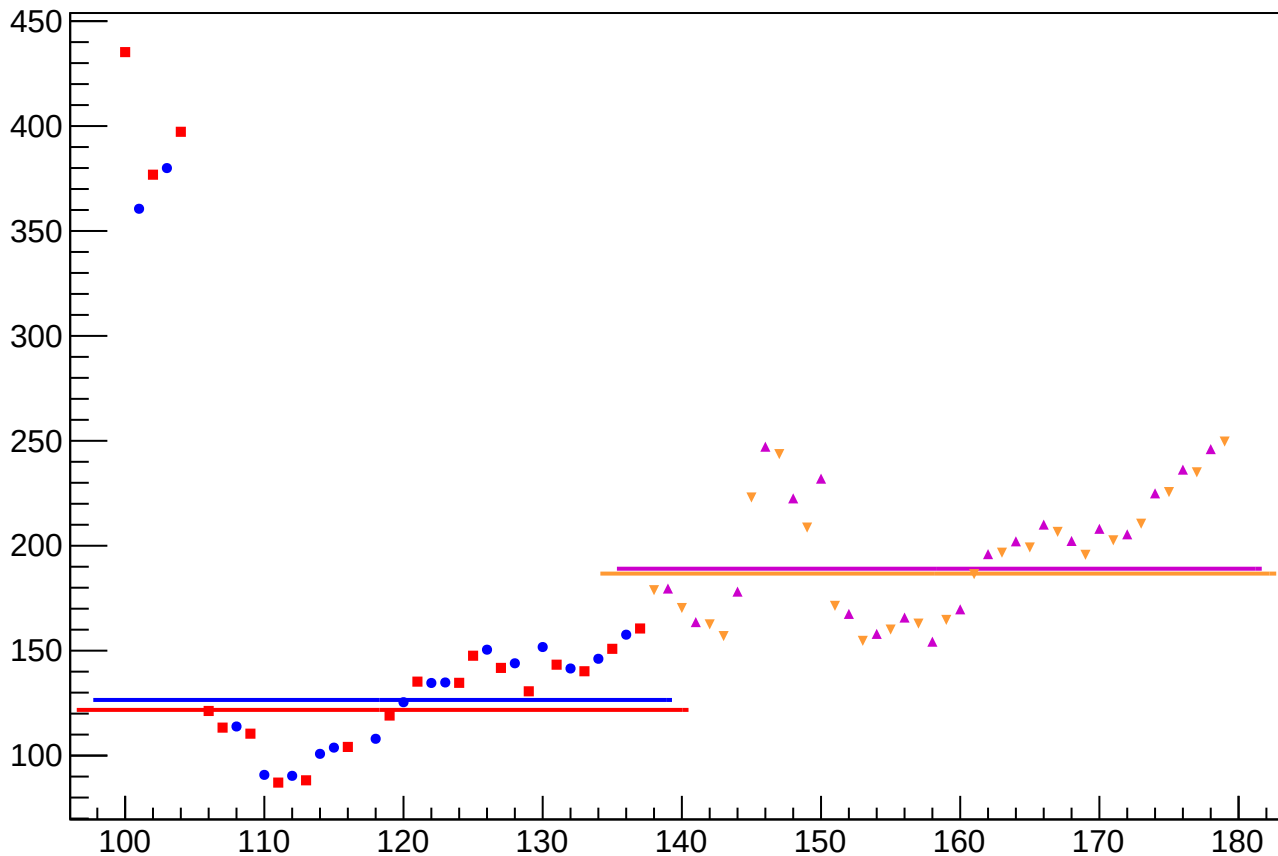
- sign 179.497 ± 0.028 χ^2/NDF : 2830775.8/38

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099+/-0.053	χ^2/NDF : 521299875.7/16	+ sign 141730.404+/-0.035	χ^2/NDF : 10713979544.
Left Out: 140437.076+/-0.047	χ^2/NDF : 8434540101.4/21	All: 141763.014+/-0.025	χ^2/NDF : 210360793
Right Out: 143284.757+/-0.049	χ^2/NDF : 608634820.1/18	- sign 141795.169+/-0.035	χ^2/NDF : 10320366775.2
Left In: 140314.772+/-0.049	χ^2/NDF : 7876694393.5/19		

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 186.726 $\pm$ 0.033 χ^2 /NDF: 679178.7/21

Right Out: 121.772 $\pm$ 0.035 χ^2 /NDF: 1463829.4/18

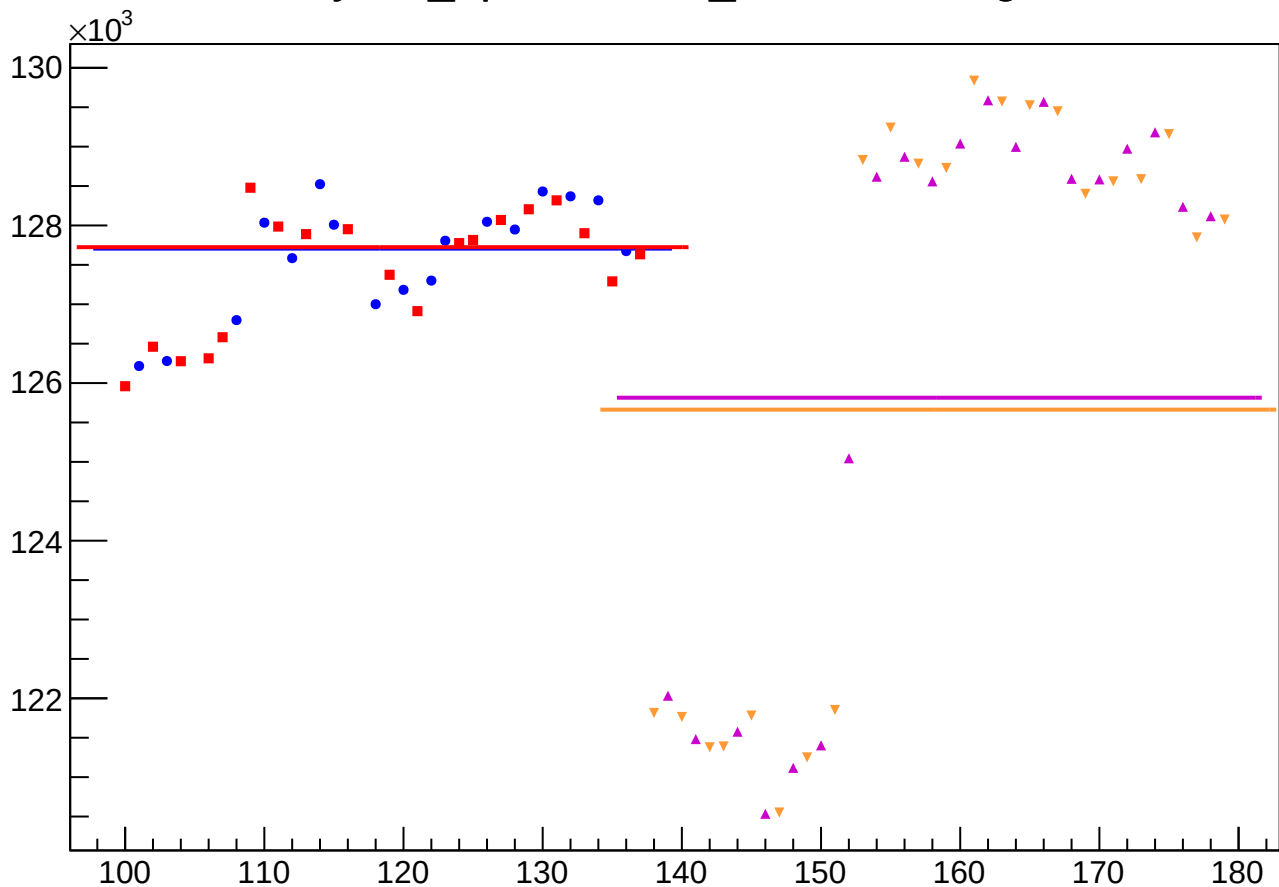
Left In: 189.053 $\pm$ 0.035 χ^2 /NDF: 682749.0/19

+ sign 160.328 $\pm$ 0.025 χ^2 /NDF: 3585746.9/38

All: 157.906 $\pm$ 0.017 χ^2 /NDF: 7634868.4/77

- sign 155.516 $\pm$ 0.025 χ^2 /NDF: 4029988.4/38

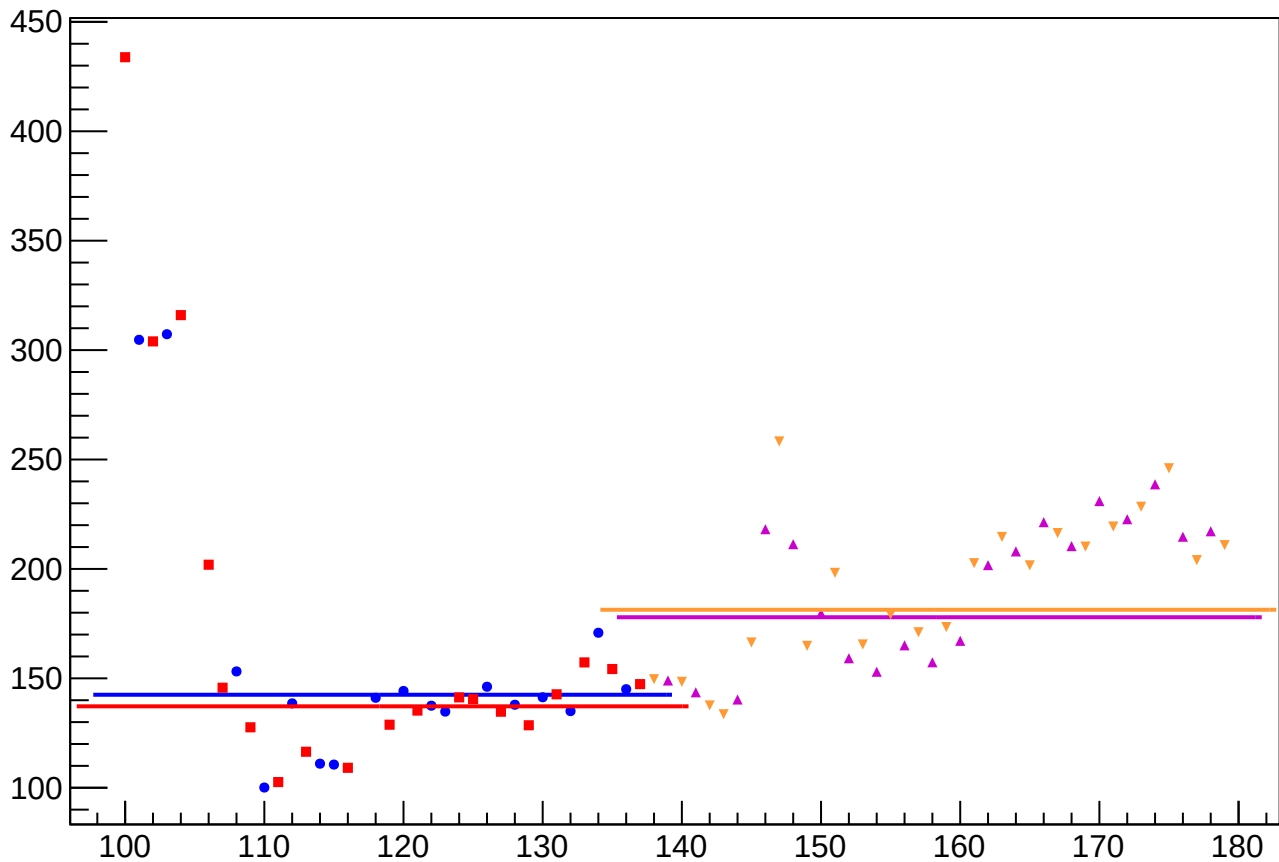
yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16
 Left Out: 125663.058 $\pm$ 0.046 χ^2 /NDF: 6455392570.4/21
 Right Out: 127724.256 $\pm$ 0.055 χ^2 /NDF: 112614317.2/18
 Left In: 125814.359 $\pm$ 0.046 χ^2 /NDF: 5668524244.8/19

+ sign 126444.867 $\pm$ 0.036 χ^2 /NDF: 7317760730.6
 All: 126532.465 $\pm$ 0.025 χ^2 /NDF: 138216543
 - sign 126617.360 $\pm$ 0.035 χ^2 /NDF: 6492179065.7

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 181.345 $\pm$ 0.032 χ^2 /NDF: 992393.0/21

Right Out: 137.211 $\pm$ 0.039 χ^2 /NDF: 957317.1/18

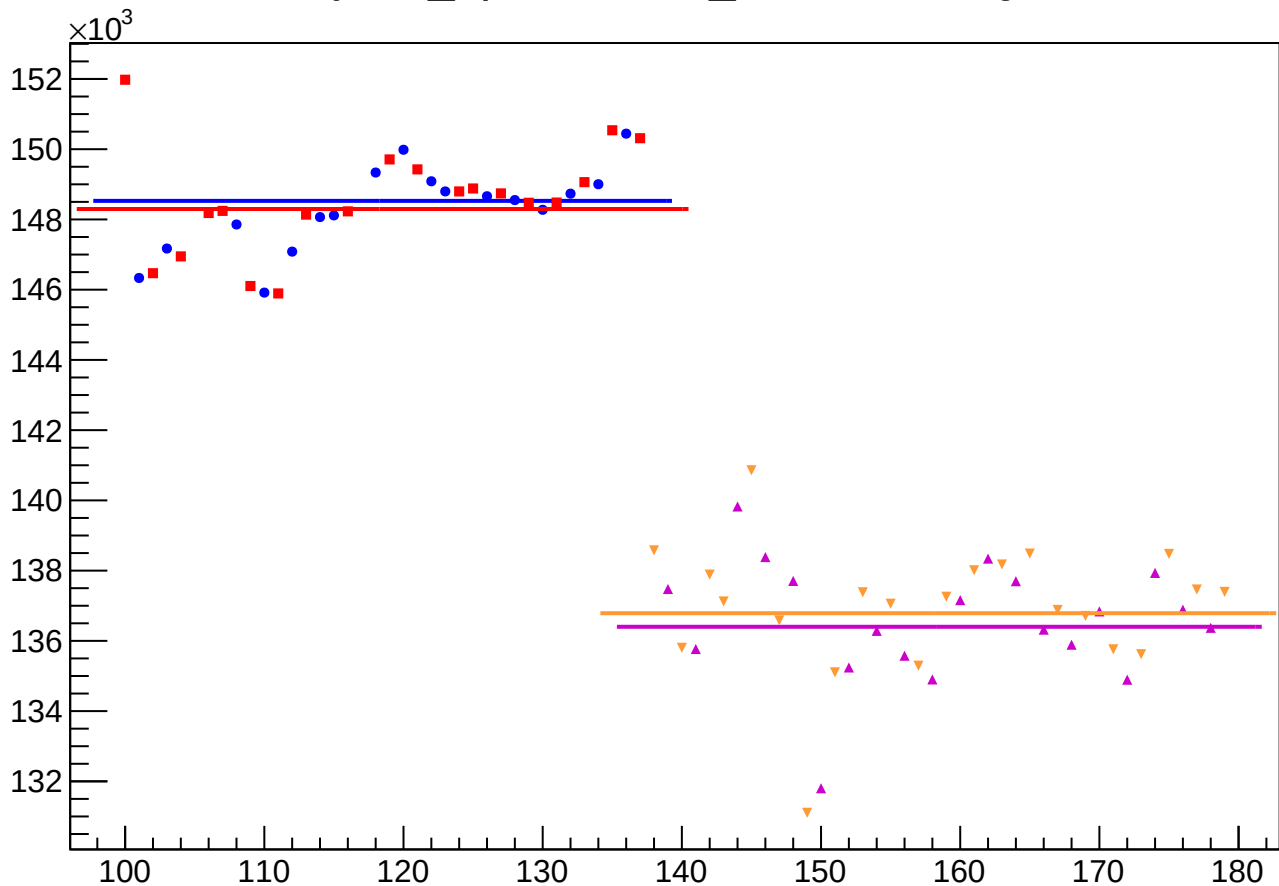
Left In: 177.922 $\pm$ 0.033 χ^2 /NDF: 921958.4/19

+ sign 166.482 $\pm$ 0.025 χ^2 /NDF: 2381323.0/38

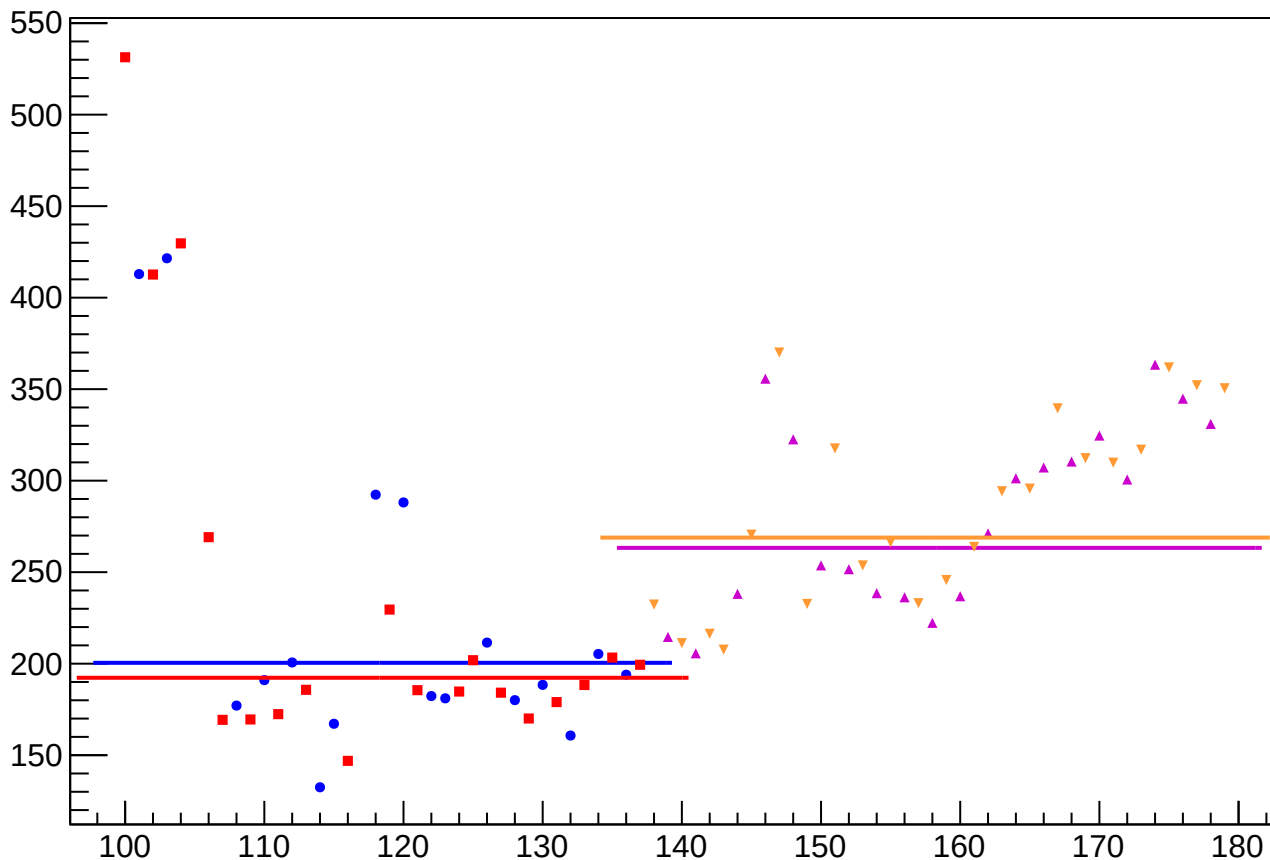
All: 163.599 $\pm$ 0.018 χ^2 /NDF: 4932082.5/77

- sign 160.805 $\pm$ 0.025 χ^2 /NDF: 2525386.6/38

yield_bpm0l02WS_mean vs Slug



yield_bpm0l02WS_rms vs Slug



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 268.891 $\pm$ 0.048 χ^2 /NDF:1019811.8/21

Right Out: 192.304 $\pm$ 0.054 χ^2 /NDF: 844504.1/18

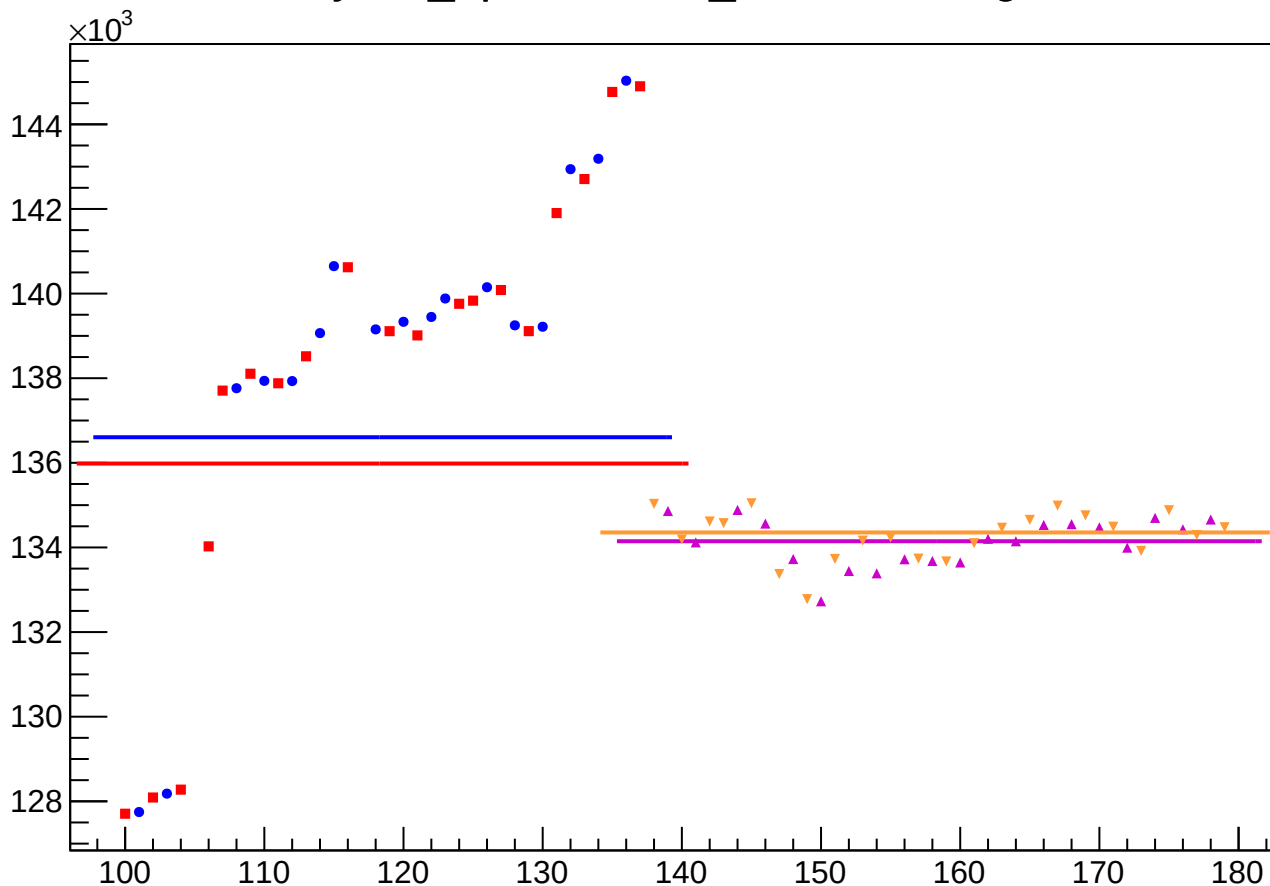
Left In: 263.285 $\pm$ 0.048 χ^2 /NDF:912068.2/19

+ sign 241.243 $\pm$ 0.037 χ^2 /NDF: 2784643.7/38

All: 236.338 $\pm$ 0.026 χ^2 /NDF: 5532440.4/77

- sign 231.650 $\pm$ 0.036 χ^2 /NDF: 2713223.3/38

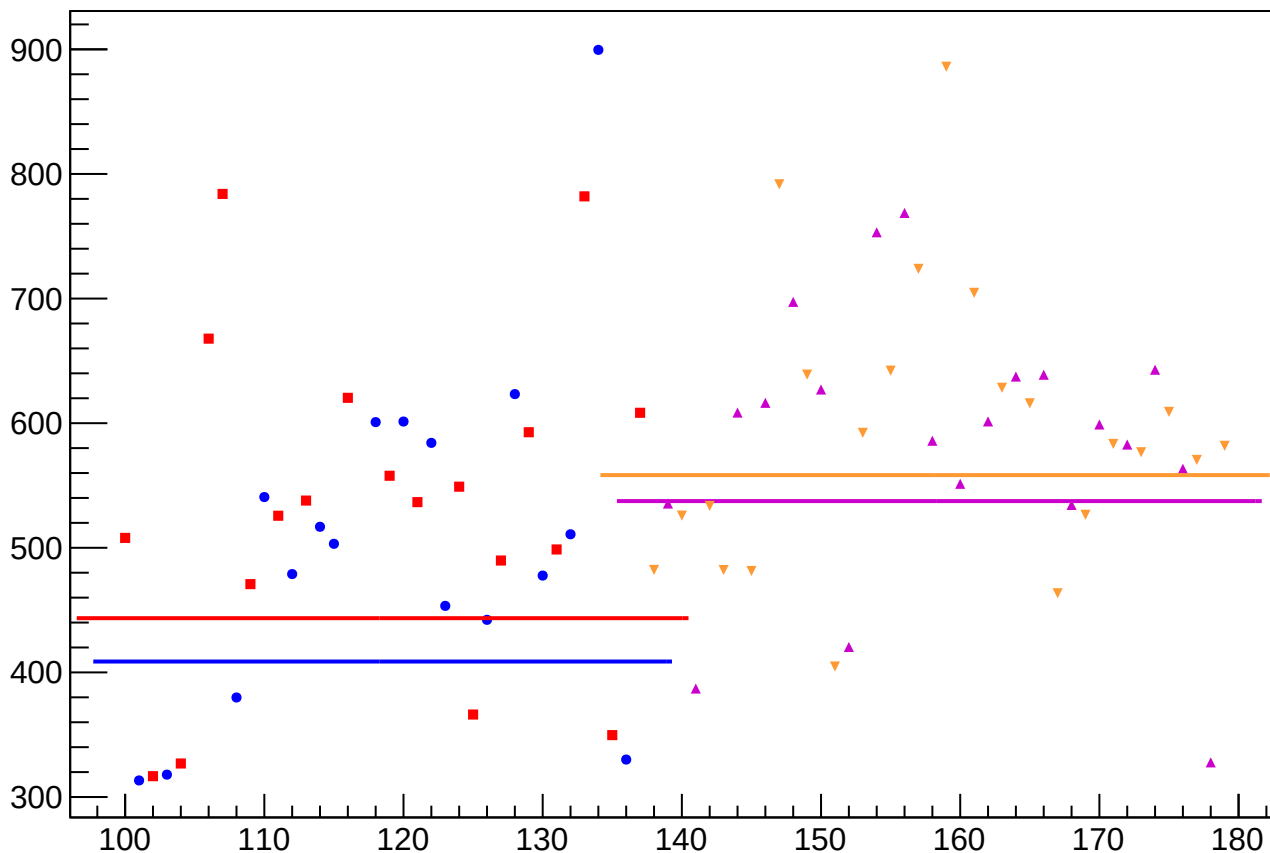
yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 ± 0.171 $\chi^2/\text{NDF}: 1494354557.3/16$
 Left Out: 134354.407 ± 0.146 $\chi^2/\text{NDF}: 14347220.2/21$
 Right Out: 135982.842 ± 0.183 $\chi^2/\text{NDF}: 1082431147.9/18$
 Left In: 134147.019 ± 0.150 $\chi^2/\text{NDF}: 13451172.2/19$

+ sign 135301.983 ± 0.111 $\chi^2/\text{NDF}: 1608434085.9/16$
 All: 135103.850 ± 0.080 $\chi^2/\text{NDF}: 277115795.0/16$
 - sign 134888.164 ± 0.116 $\chi^2/\text{NDF}: 1156099233.3/16$

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 $\pm$ 0.121 χ^2 /NDF: 823262.8/16

Left Out: 558.335 $\pm$ 0.103 χ^2 /NDF: 904833.6/21

Right Out: 443.521 $\pm$ 0.129 χ^2 /NDF: 917492.4/18

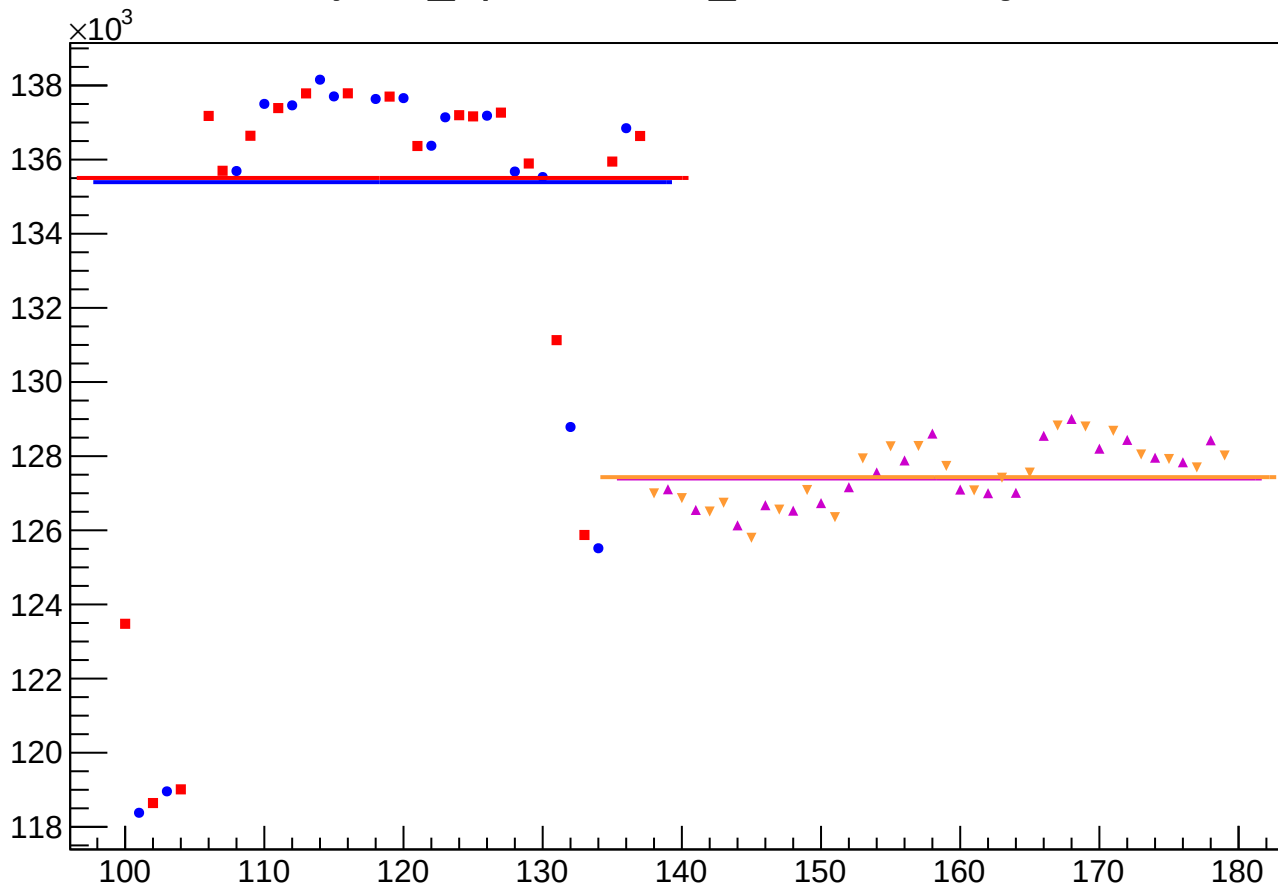
Left In: 537.480 $\pm$ 0.106 χ^2 /NDF: 1309516.9/19

+ sign 495.336 $\pm$ 0.079 χ^2 /NDF: 2609774.4/38

All: 497.352 $\pm$ 0.057 χ^2 /NDF: 5153630.1/77

- sign 499.548 $\pm$ 0.082 χ^2 /NDF: 2542483.1/38

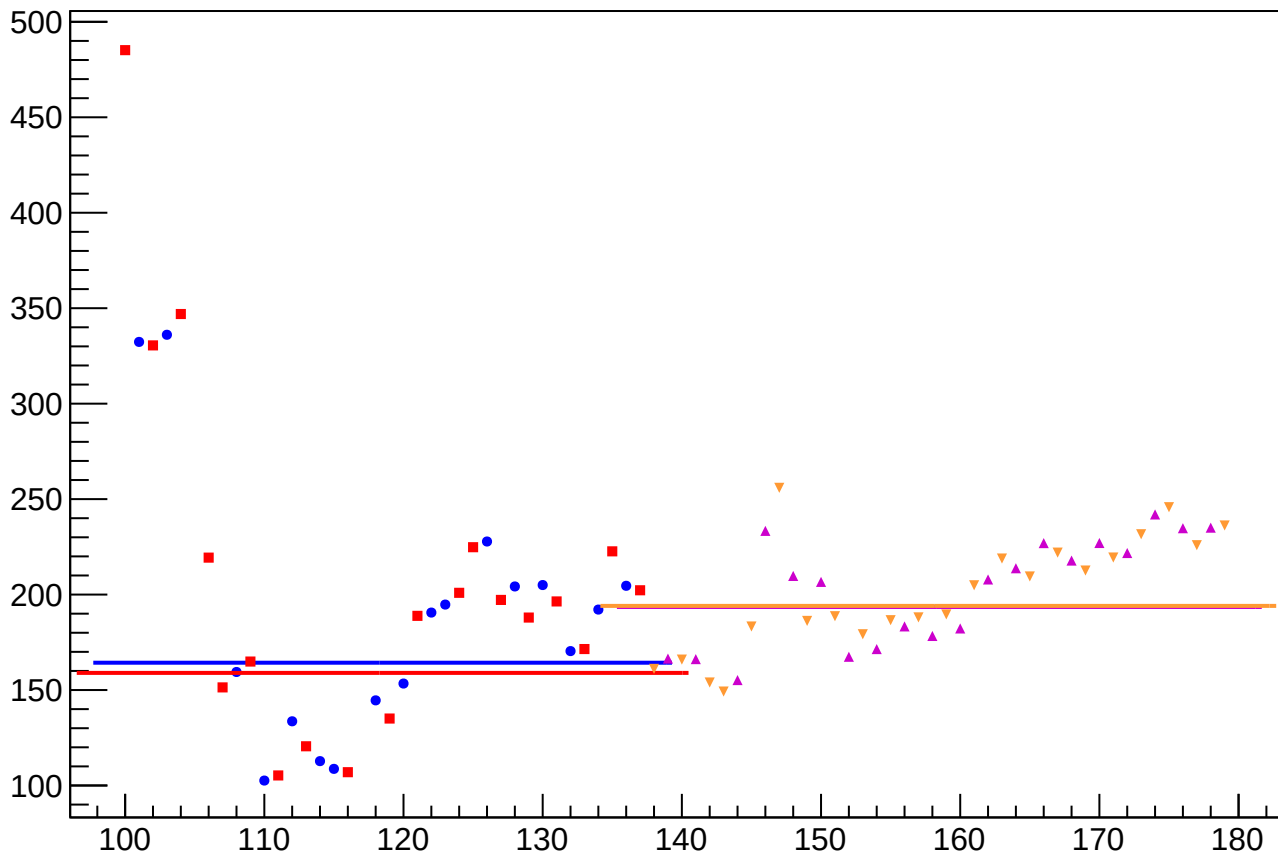
yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16
 Left Out: 127433.726 $\pm$ 0.049 χ^2 /NDF: 284776534.4/21
 Right Out: 135504.836 $\pm$ 0.064 χ^2 /NDF: 4730667469.8/18
 Left In: 127397.900 $\pm$ 0.050 χ^2 /NDF: 268118347.2/19

+ sign 130104.079 $\pm$ 0.040 χ^2 /NDF: 13893990991.0/16
 All: 130279.948 $\pm$ 0.028 χ^2 /NDF: 288044475.0/16
 - sign 130455.842 $\pm$ 0.040 χ^2 /NDF: 14870894669.0/16

yield_bpm0l04WS_rms vs Slug



Right In: 164.311+/-0.048 χ^2/NDF : 1230487.8/16

Left Out: 194.073+/-0.034 χ^2/NDF : 672756.4/21

Right Out: 158.977+/-0.046 χ^2/NDF : 1384059.2/18

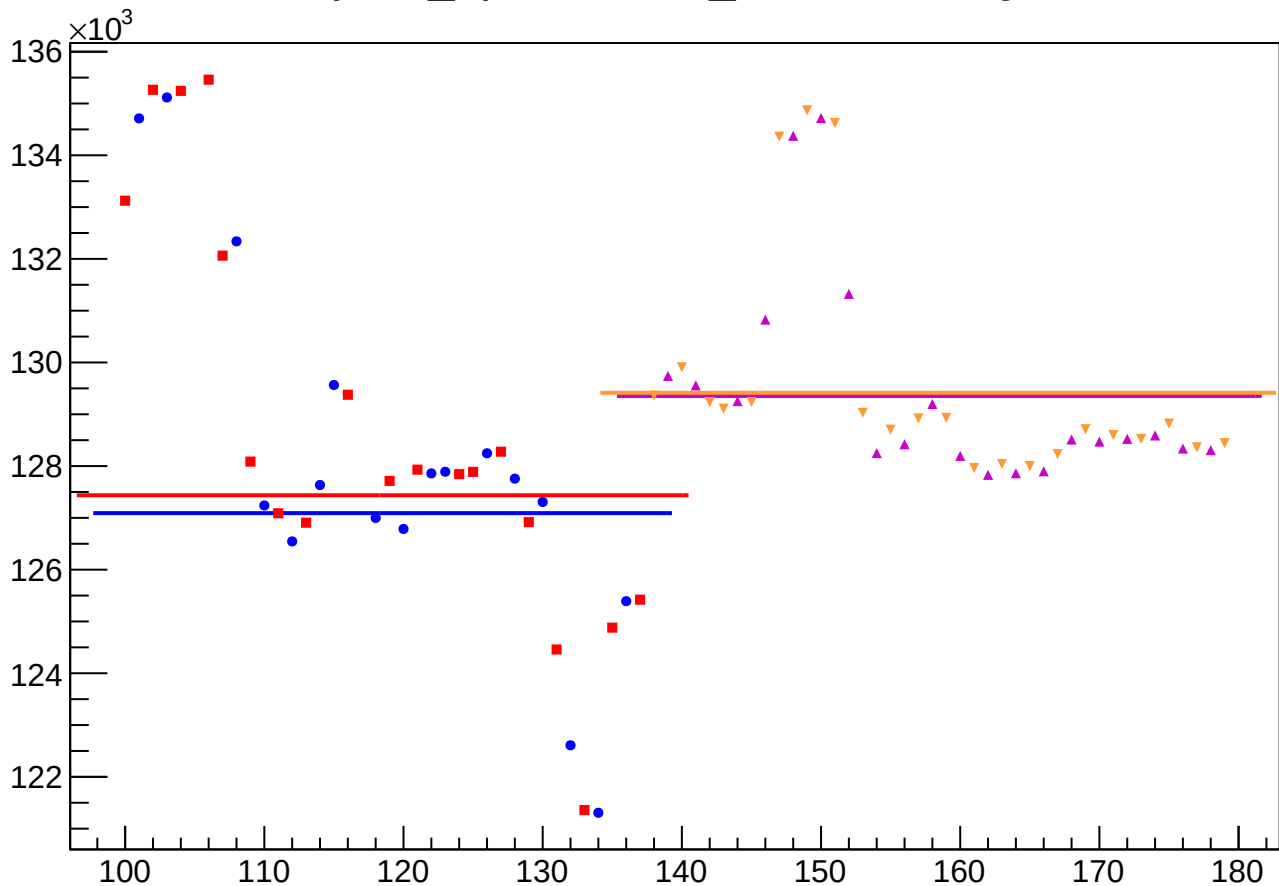
Left In: 193.492+/-0.035 χ^2/NDF : 606470.5/19

+ sign 184.086+/-0.028 χ^2/NDF : 2155837.8/38

All: 182.280+/-0.020 χ^2/NDF : 4512589.2/77

- sign 180.473+/-0.028 χ^2/NDF : 2348404.3/38

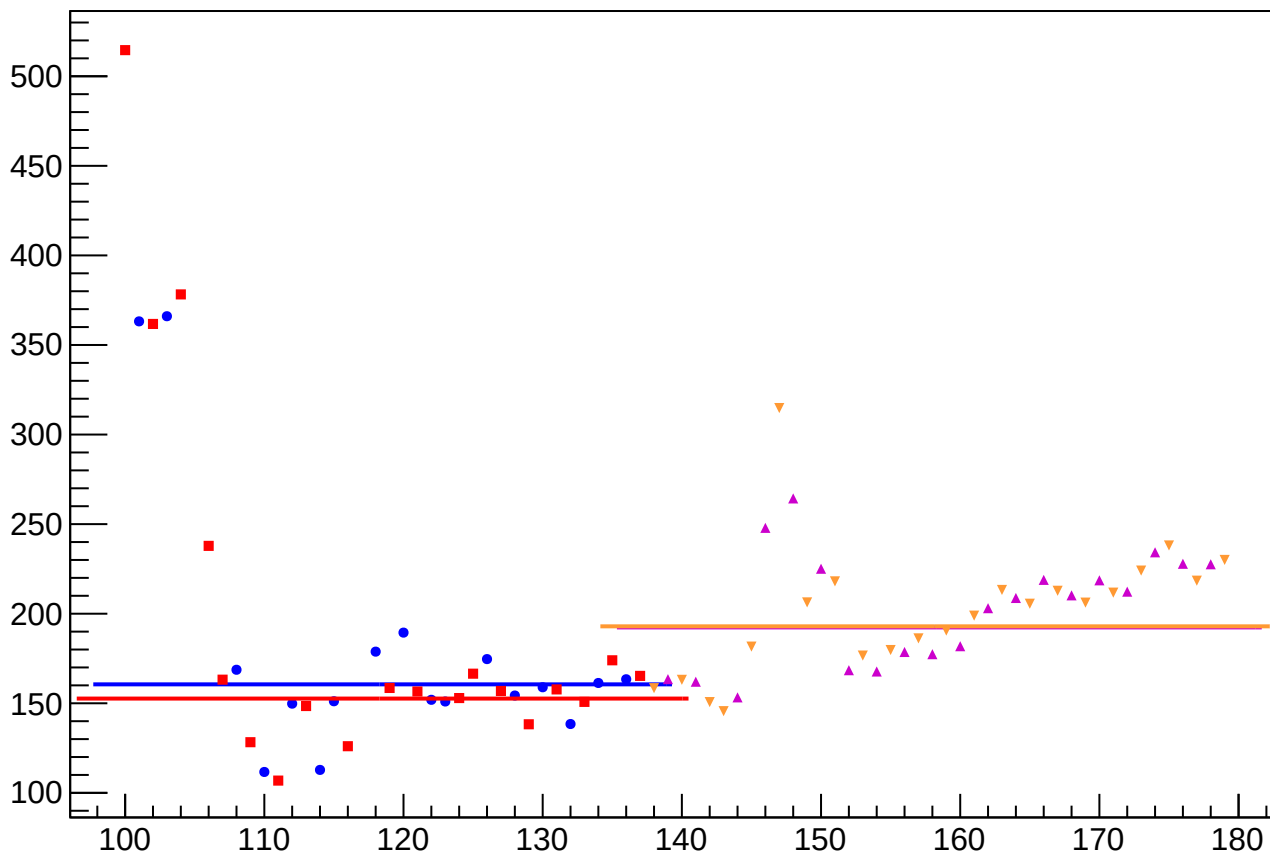
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$
 Left Out: 129414.532 ± 0.048 $\chi^2/\text{NDF}: 1409372533.2/21$
 Right Out: 127436.101 ± 0.062 $\chi^2/\text{NDF}: 2079075713.9/18$
 Left In: 129353.288 ± 0.050 $\chi^2/\text{NDF}: 1167752965.3/19$

+ sign 128606.588 ± 0.039 $\chi^2/\text{NDF}: 3927189334.7$
 All: 128599.264 ± 0.028 $\chi^2/\text{NDF}: 775918039$
 - sign 128592.061 ± 0.039 $\chi^2/\text{NDF}: 3831921478.2$

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 $\pm$ 0.047 χ^2/NDF : 942747.0/16

Left Out: 192.947 $\pm$ 0.034 χ^2/NDF : 809498.4/21

Right Out: 152.629 $\pm$ 0.044 χ^2/NDF : 1086504.4/18

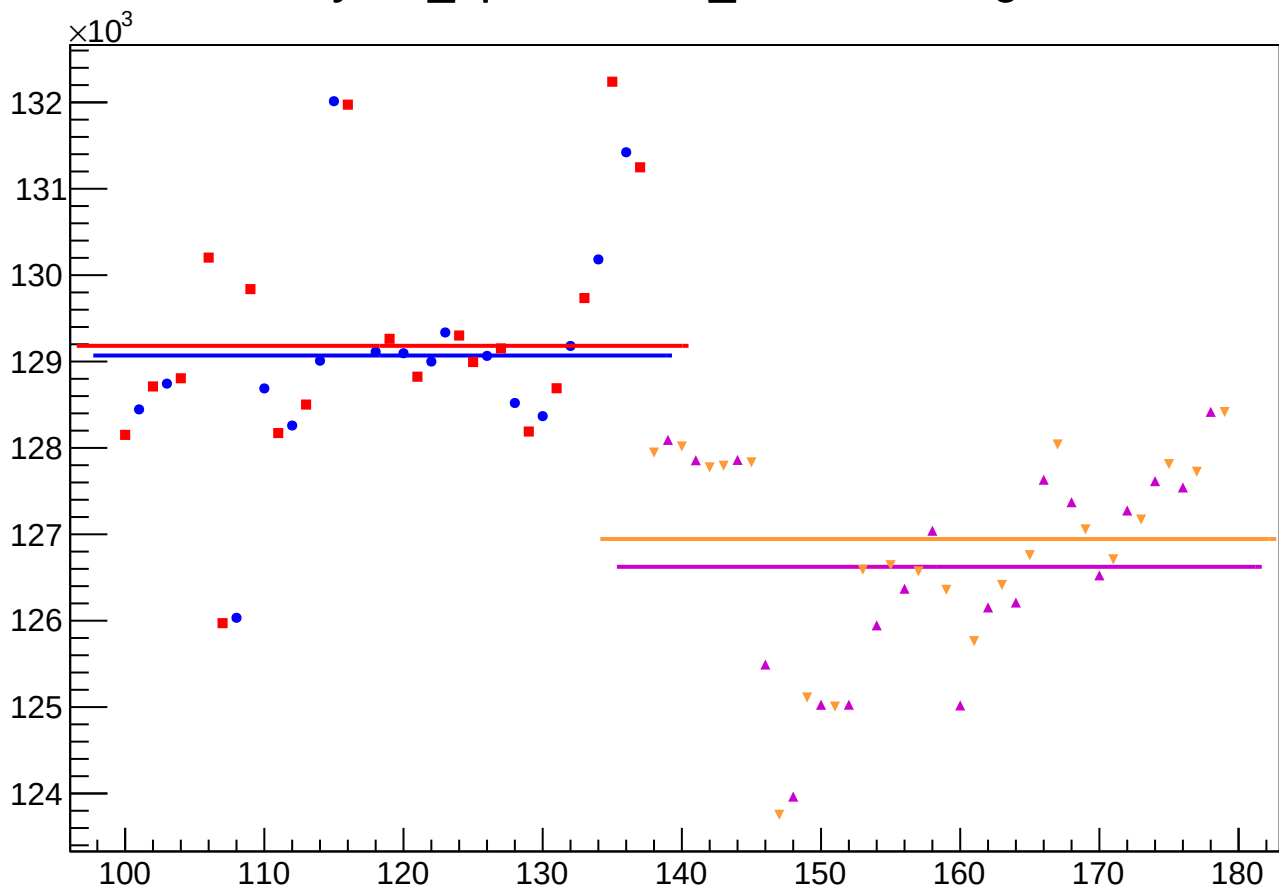
Left In: 192.347 $\pm$ 0.035 χ^2/NDF : 728120.3/19

+ sign 181.684 $\pm$ 0.028 χ^2/NDF : 2063392.1/38

All: 179.109 $\pm$ 0.019 χ^2/NDF : 4397445.3/77

- sign 176.576 $\pm$ 0.027 χ^2/NDF : 2316849.7/38

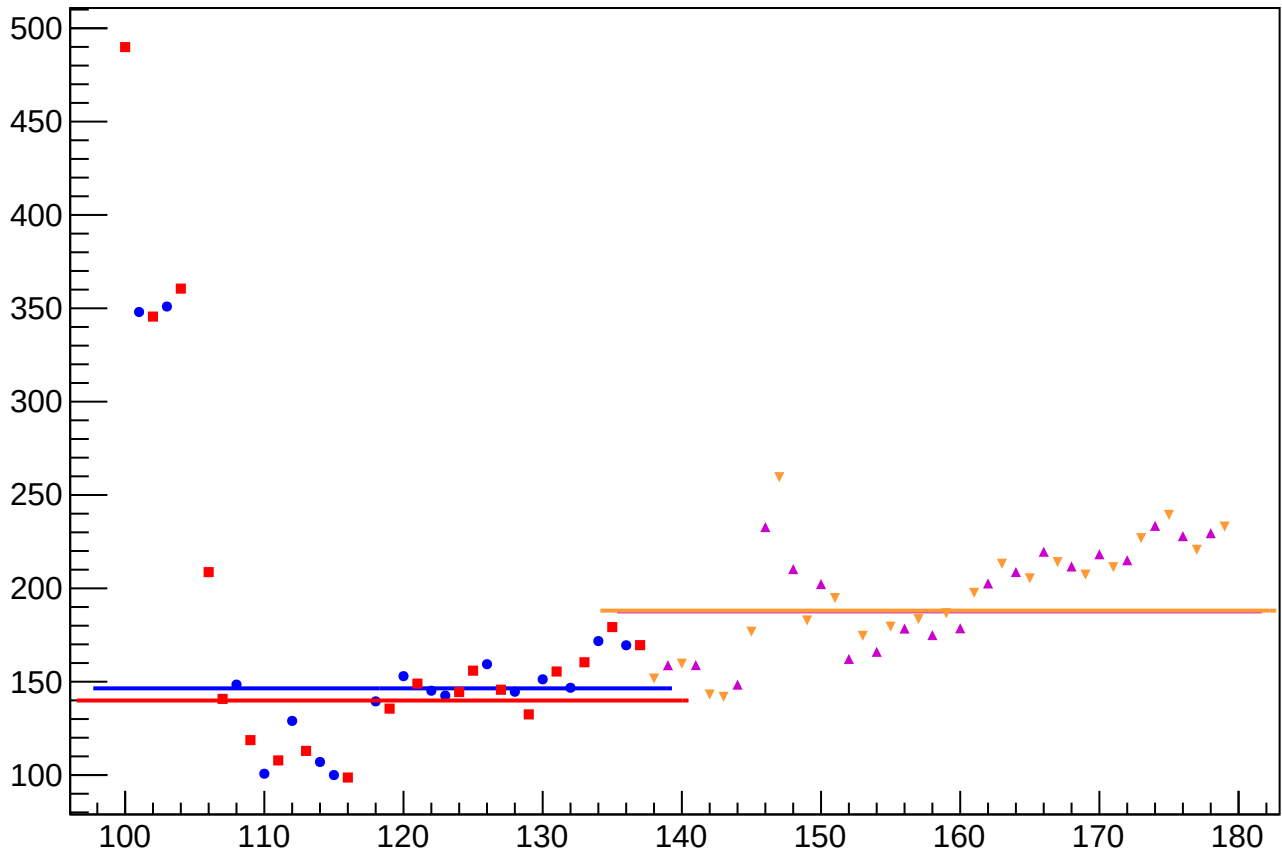
yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060 $\chi^2/\text{NDF}: 476692316.5/16$
 Left Out: 126945.910 ± 0.047 $\chi^2/\text{NDF}: 521010431.2/21$
 Right Out: 129181.887 ± 0.056 $\chi^2/\text{NDF}: 625597399.6/18$
 Left In: 126623.852 ± 0.049 $\chi^2/\text{NDF}: 632327921.9/19$

+ sign 127752.937 ± 0.037 $\chi^2/\text{NDF}: 1770100541.9$
 All: 127737.290 ± 0.026 $\chi^2/\text{NDF}: 421538649$
 - sign 127721.930 ± 0.037 $\chi^2/\text{NDF}: 2444933291.3/19$

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 $\pm$ 0.043 χ^2 /NDF: 1064791.0/16

Left Out: 188.065 $\pm$ 0.033 χ^2 /NDF: 790276.5/21

Right Out: 139.929 $\pm$ 0.040 χ^2 /NDF: 1203570.9/18

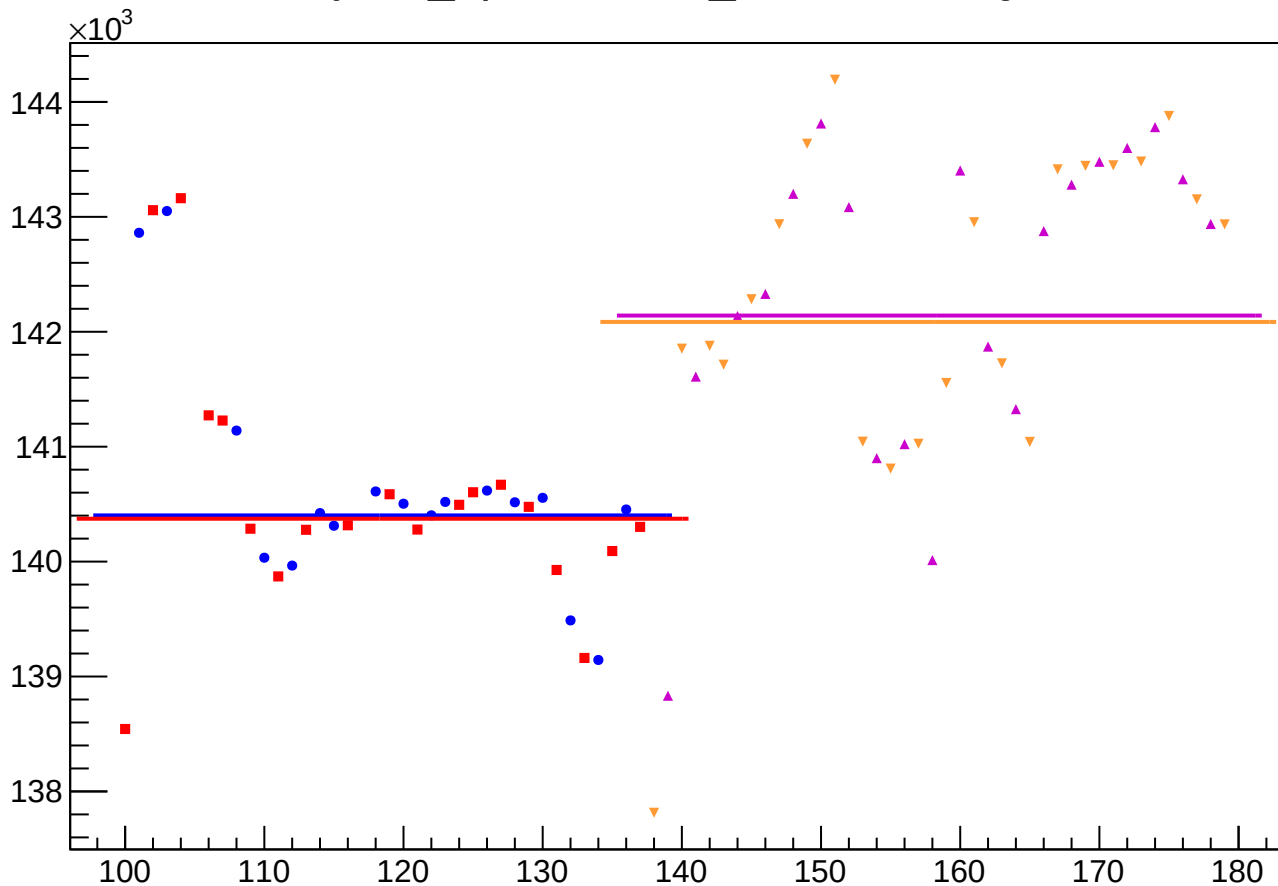
Left In: 187.680 $\pm$ 0.034 χ^2 /NDF: 660671.1/19

+ sign 172.246 $\pm$ 0.026 χ^2 /NDF: 2448566.0/38

All: 169.691 $\pm$ 0.018 χ^2 /NDF: 5158868.6/77

- sign 167.182 $\pm$ 0.026 χ^2 /NDF: 2691488.8/38

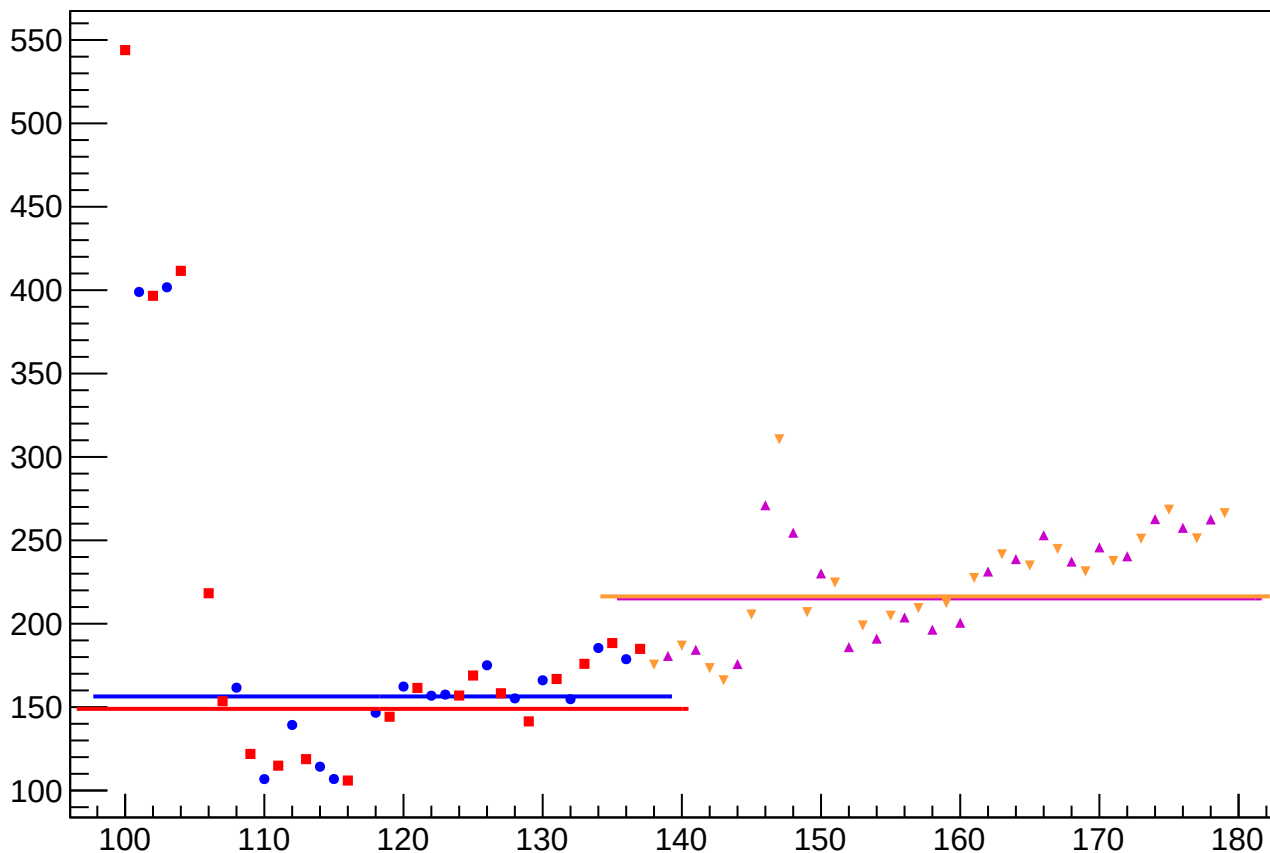
yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 ± 0.064 $\chi^2/\text{NDF}: 88071774.7/16$
 Left Out: 142085.687 ± 0.054 $\chi^2/\text{NDF}: 797611750.8/21$
 Right Out: 140373.163 ± 0.060 $\chi^2/\text{NDF}: 99854533.3/18$
 Left In: 142141.034 ± 0.056 $\chi^2/\text{NDF}: 628416016.0/19$

+ sign 141387.086 ± 0.041 $\chi^2/\text{NDF}: 1286237649.7/16$
 All: 141352.587 ± 0.029 $\chi^2/\text{NDF}: 248273895.7/16$
 - sign 141319.146 ± 0.041 $\chi^2/\text{NDF}: 1195137056.9/16$

yield_bpm0l07WS_rms vs Slug



Right In: 156.394 ± 0.046 χ^2/NDF : 1154804.2/16

Left Out: 216.377 ± 0.038 χ^2/NDF : 695897.5/21

Right Out: 148.949 ± 0.042 χ^2/NDF : 1307651.5/18

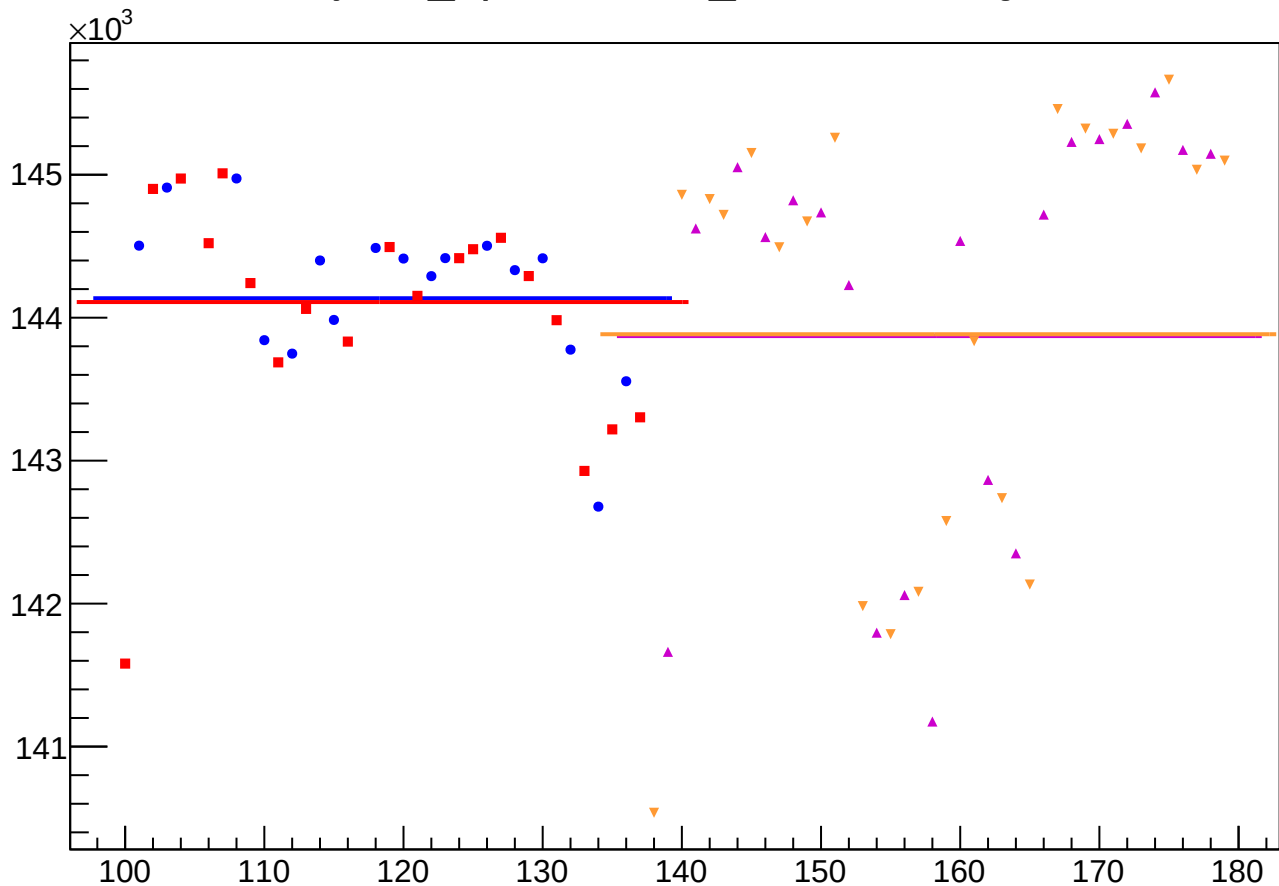
Left In: 215.186 ± 0.039 χ^2/NDF : 619543.6/19

+ sign 191.488 ± 0.029 χ^2/NDF : 2867489.5/38

All: 187.885 ± 0.021 χ^2/NDF : 6135208.9/77

- sign 184.393 ± 0.029 χ^2/NDF : 3237958.6/38

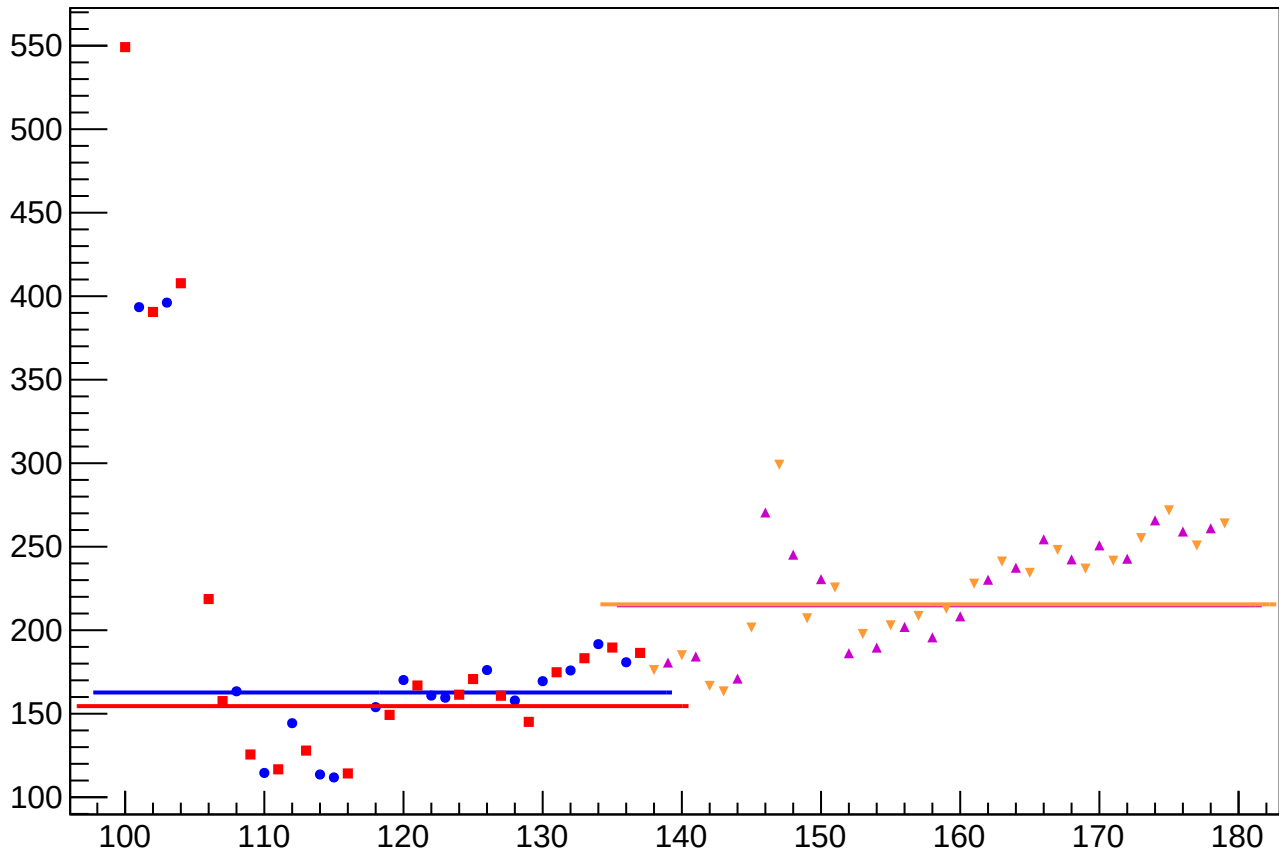
yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067 χ^2 /NDF: 47069480.3/16
 Left Out: 143884.331 $\pm$ 0.054 χ^2 /NDF: 841644493.1/21
 Right Out: 144109.419 $\pm$ 0.062 χ^2 /NDF: 65258627.2/18
 Left In: 143871.424 $\pm$ 0.056 χ^2 /NDF: 696237488.1/19

+ sign 143983.862 $\pm$ 0.042 χ^2 /NDF: 897313024.3/3
 All: 143980.940 $\pm$ 0.029 χ^2 /NDF: 166698409
 - sign 143978.095 $\pm$ 0.041 χ^2 /NDF: 769661507.5/3

yield_bpm0l08WS_rms vs Slug



Right In: 162.714+/-0.047 χ^2/NDF : 1066482.0/16

Left Out: 215.488+/-0.038 χ^2/NDF : 744862.1/21

Right Out: 154.547+/-0.044 χ^2/NDF : 1217495.9/18

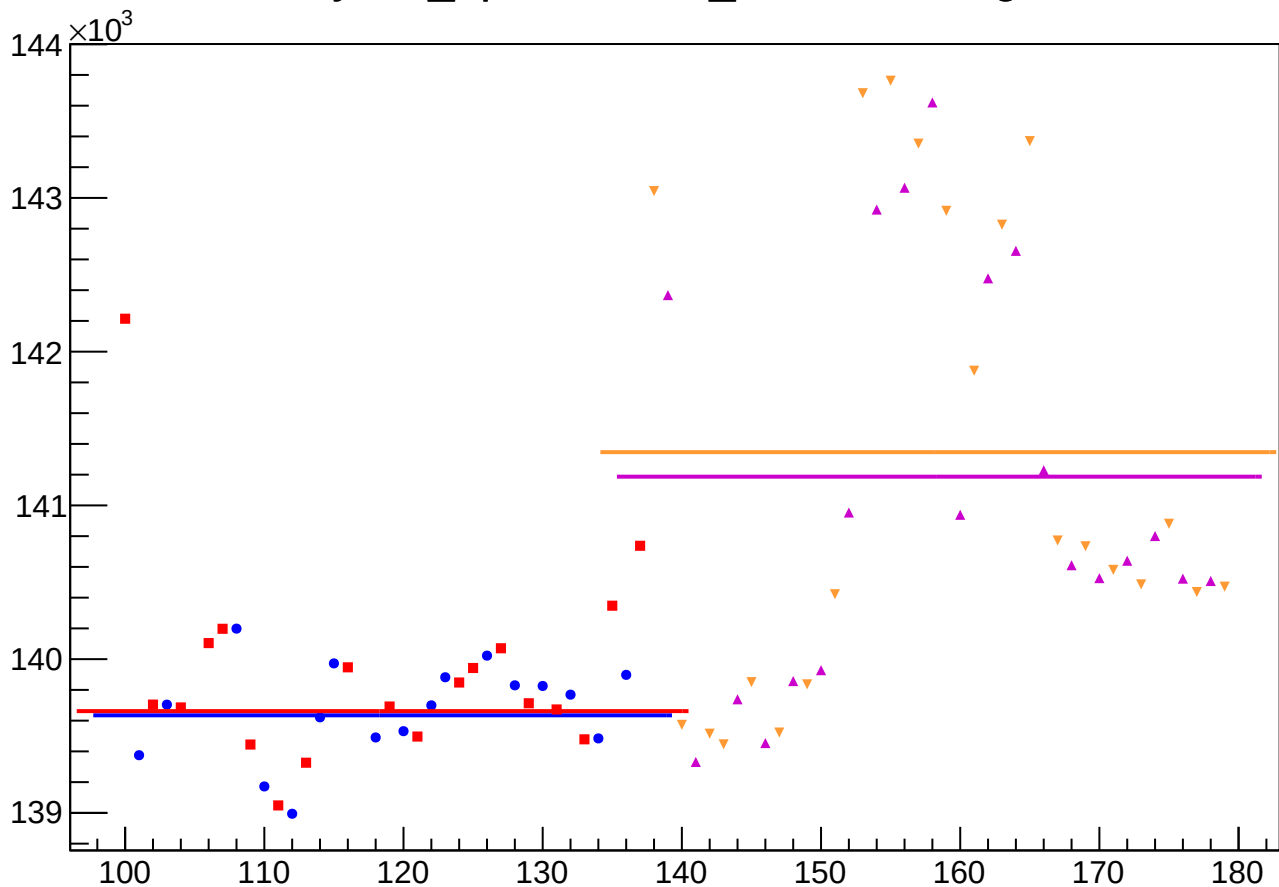
Left In: 214.904+/-0.039 χ^2/NDF : 654147.6/19

+ sign 194.627+/-0.030 χ^2/NDF : 2566880.4/38

All: 191.193+/-0.021 χ^2/NDF : 5515245.9/77

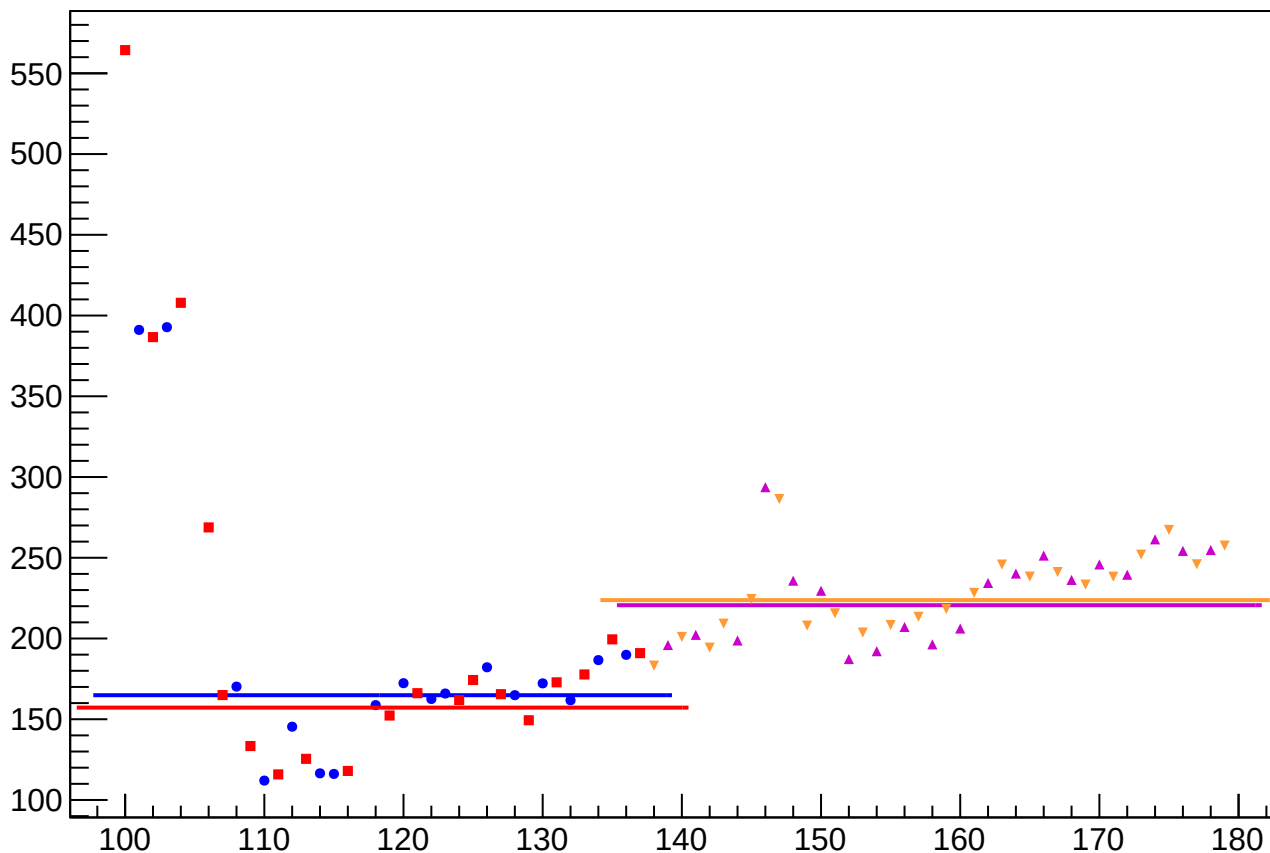
- sign 187.851+/-0.029 χ^2/NDF : 2921968.8/38

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 $\pm$ 0.068	χ^2/NDF : 24844912.0/16	+ sign 140656.694 $\pm$ 0.043	χ^2/NDF : 1172250198.5
Left Out: 141346.480 $\pm$ 0.056	χ^2/NDF : 766566359.0/21	All: 140577.201 $\pm$ 0.030	χ^2/NDF : 20830754.1
Right Out: 139661.970 $\pm$ 0.063	χ^2/NDF : 38372985.0/18	- sign 140500.373 $\pm$ 0.042	χ^2/NDF : 904112138.2/3
Left In: 141186.975 $\pm$ 0.057	χ^2/NDF : 543972073.3/19		

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 $\pm$ 0.048 χ^2 /NDF: 1066270.8/16

Left Out: 223.765 $\pm$ 0.039 χ^2 /NDF: 363734.2/21

Right Out: 157.207 $\pm$ 0.045 χ^2 /NDF: 1245030.9/18

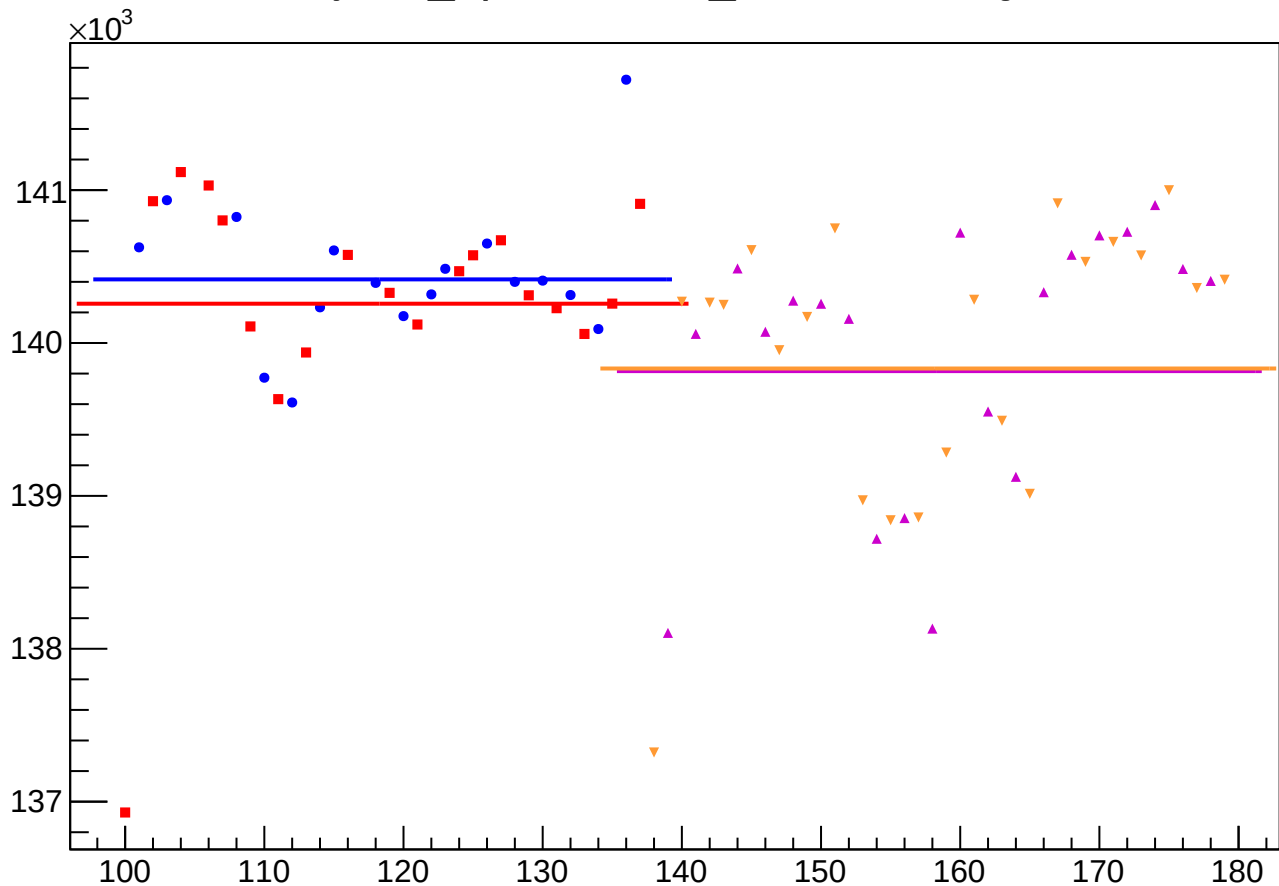
Left In: 220.627 $\pm$ 0.040 χ^2 /NDF: 438038.7/19

+ sign 200.038 $\pm$ 0.030 χ^2 /NDF: 2331206.5/38

All: 195.988 $\pm$ 0.021 χ^2 /NDF: 5162092.8/77

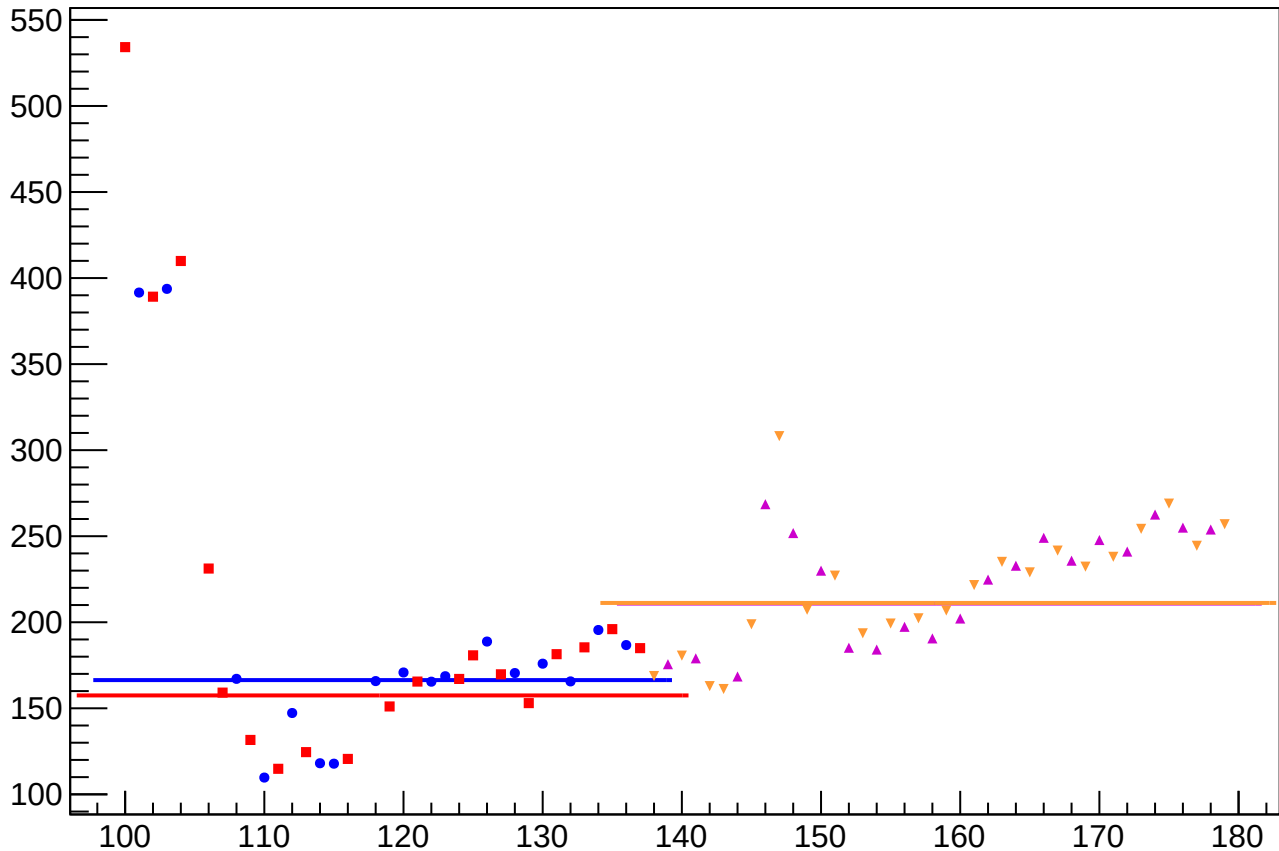
- sign 192.074 $\pm$ 0.030 χ^2 /NDF: 2796033.5/38

yield_bpm0l10WS_mean vs Slug



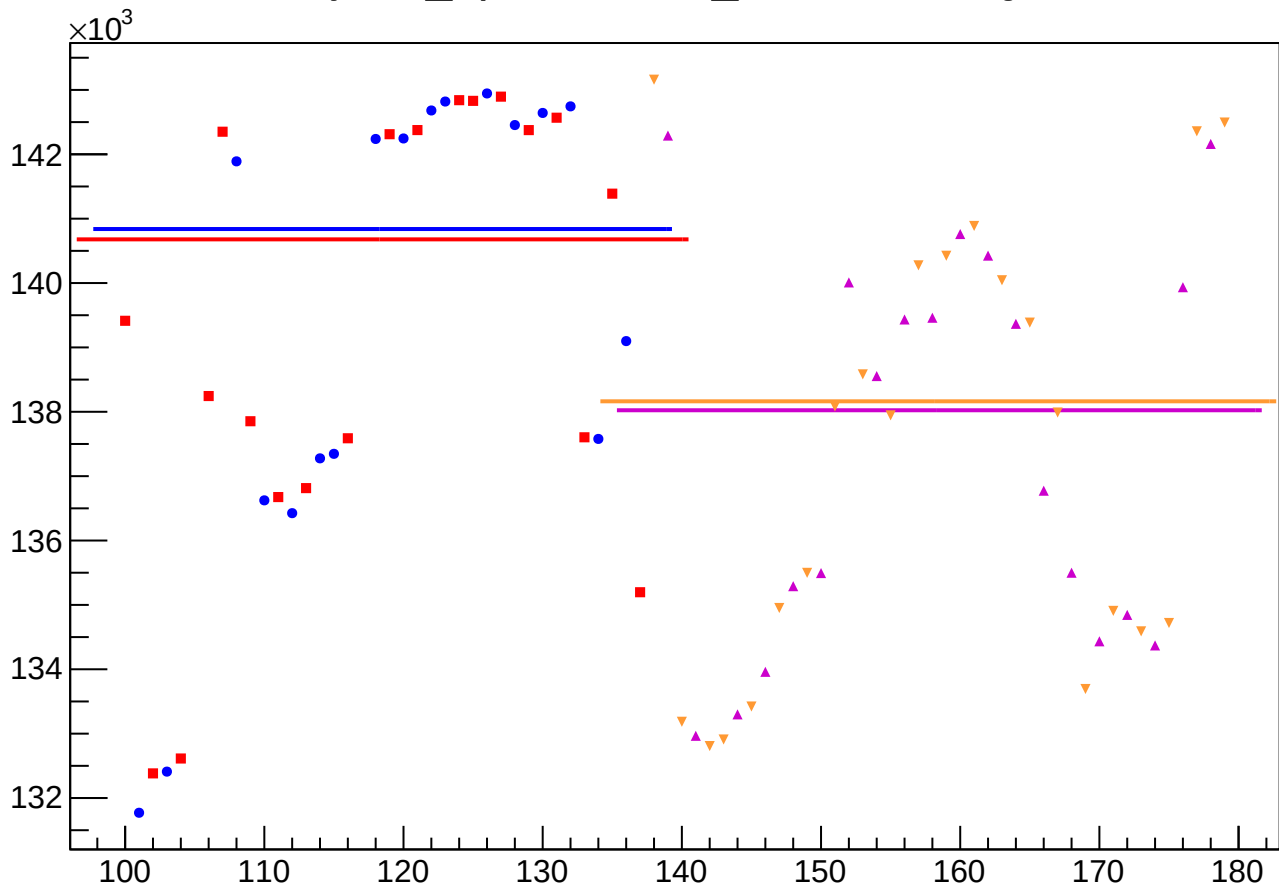
Right In: 140416.064 $\pm$ 0.068	χ^2 /NDF: 69975821.3/16	+ sign 140051.449 $\pm$ 0.042	χ^2 /NDF: 441785988.7/3
Left Out: 139833.142 $\pm$ 0.053	χ^2 /NDF: 326373202.2/21	All: 140028.035 $\pm$ 0.029	χ^2 /NDF: 782433006.7/3
Right Out: 140256.992 $\pm$ 0.063	χ^2 /NDF: 38063371.4/18	- sign 140005.184 $\pm$ 0.041	χ^2 /NDF: 340028683.9/3
Left In: 139816.137 $\pm$ 0.055	χ^2 /NDF: 274122897.1/19		

yield_bpm0l10WS_rms vs Slug



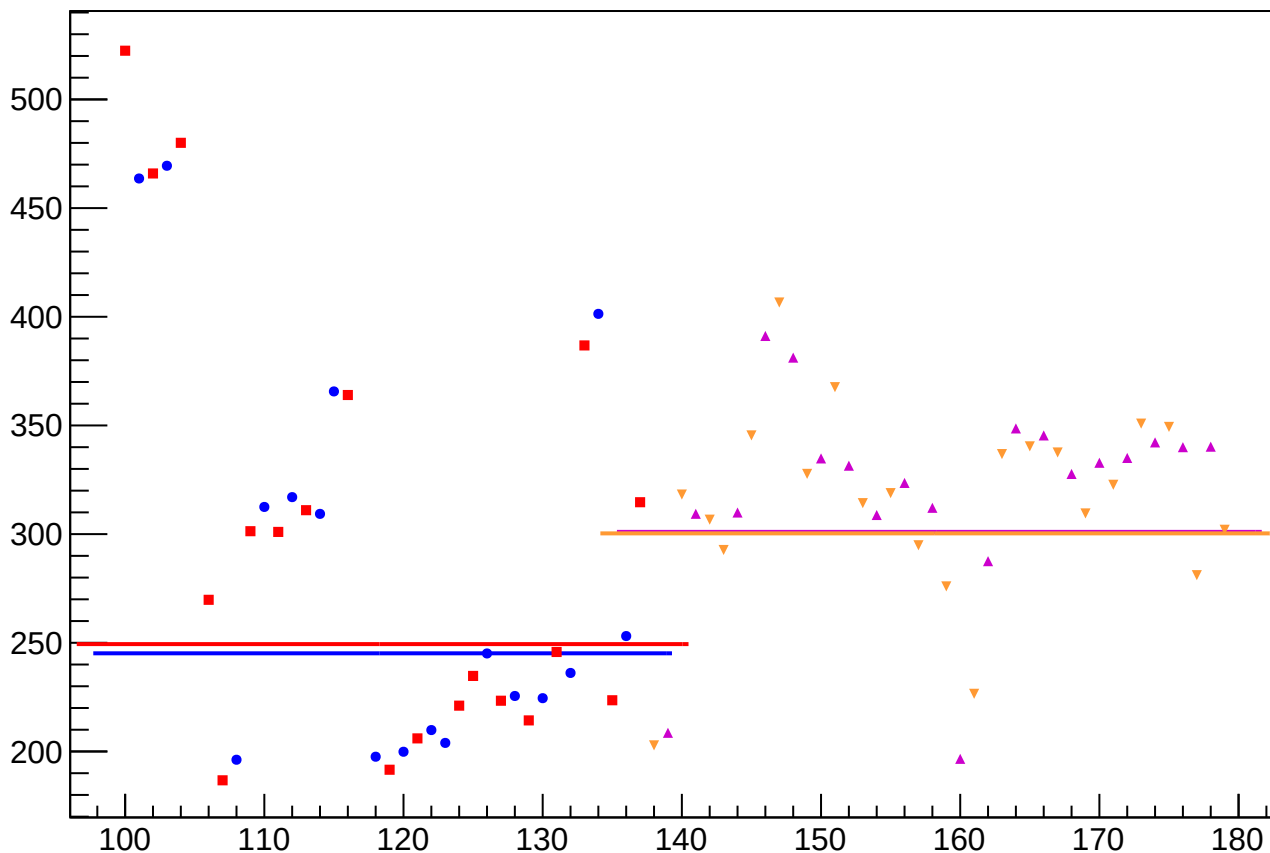
Right In: 166.388 $\pm$ 0.048 χ^2 /NDF: 1080964.8/16 + sign 194.429 $\pm$ 0.030 χ^2 /NDF: 2419230.8/38
Left Out: 211.219 $\pm$ 0.037 χ^2 /NDF: 800768.6/21 All: 191.161 $\pm$ 0.021 χ^2 /NDF: 5185913.6/77
Right Out: 157.475 $\pm$ 0.045 χ^2 /NDF: 1229886.8/18 - sign 187.972 $\pm$ 0.029 χ^2 /NDF: 2742590.9/38
Left In: 210.868 $\pm$ 0.039 χ^2 /NDF: 695918.5/19

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100	χ^2 /NDF: 822682996.3/16	+ sign 139138.184 $\pm$ 0.060	χ^2 /NDF: 3407487995.6
Left Out: 138162.710 $\pm$ 0.076	χ^2 /NDF: 2129665917.9/21	All: 139097.687 $\pm$ 0.043	χ^2 /NDF: 624318365
Right Out: 140678.513 $\pm$ 0.099	χ^2 /NDF: 840695274.4/18	- sign 139055.296 $\pm$ 0.062	χ^2 /NDF: 2834774884.7
Left In: 138023.752 $\pm$ 0.079	χ^2 /NDF: 1555296158.6/19		

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 ± 0.071 $\chi^2/\text{NDF}: 869491.6/16$

Left Out: 300.336 ± 0.054 $\chi^2/\text{NDF}: 843448.3/21$

Right Out: 249.397 ± 0.070 $\chi^2/\text{NDF}: 1009731.2/18$

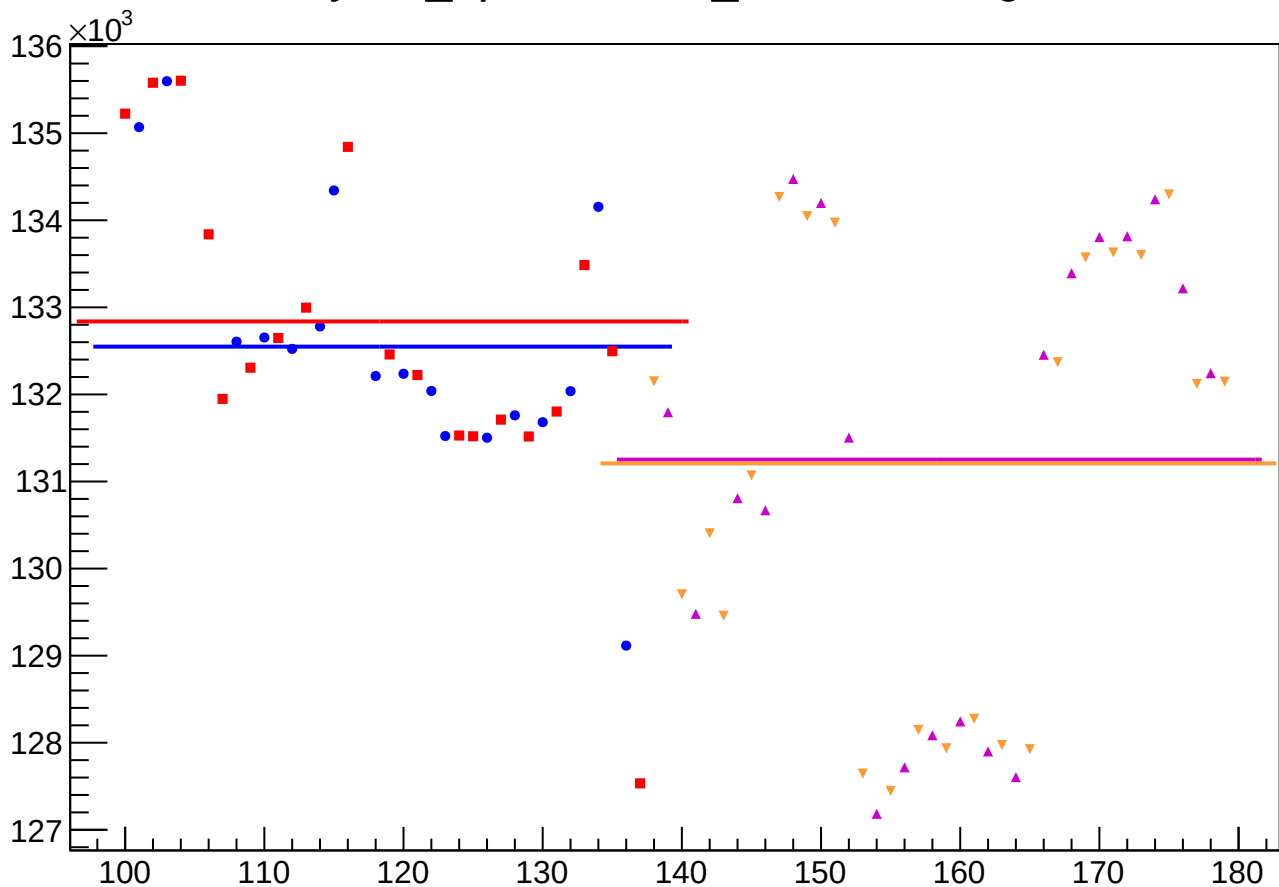
Left In: 301.030 ± 0.056 $\chi^2/\text{NDF}: 1035346.6/19$

+ sign 280.226 ± 0.043 $\chi^2/\text{NDF}: 2099830.8/38$

All: 280.588 ± 0.031 $\chi^2/\text{NDF}: 4477020.4/77$

- sign 280.967 ± 0.044 $\chi^2/\text{NDF}: 2377042.2/38$

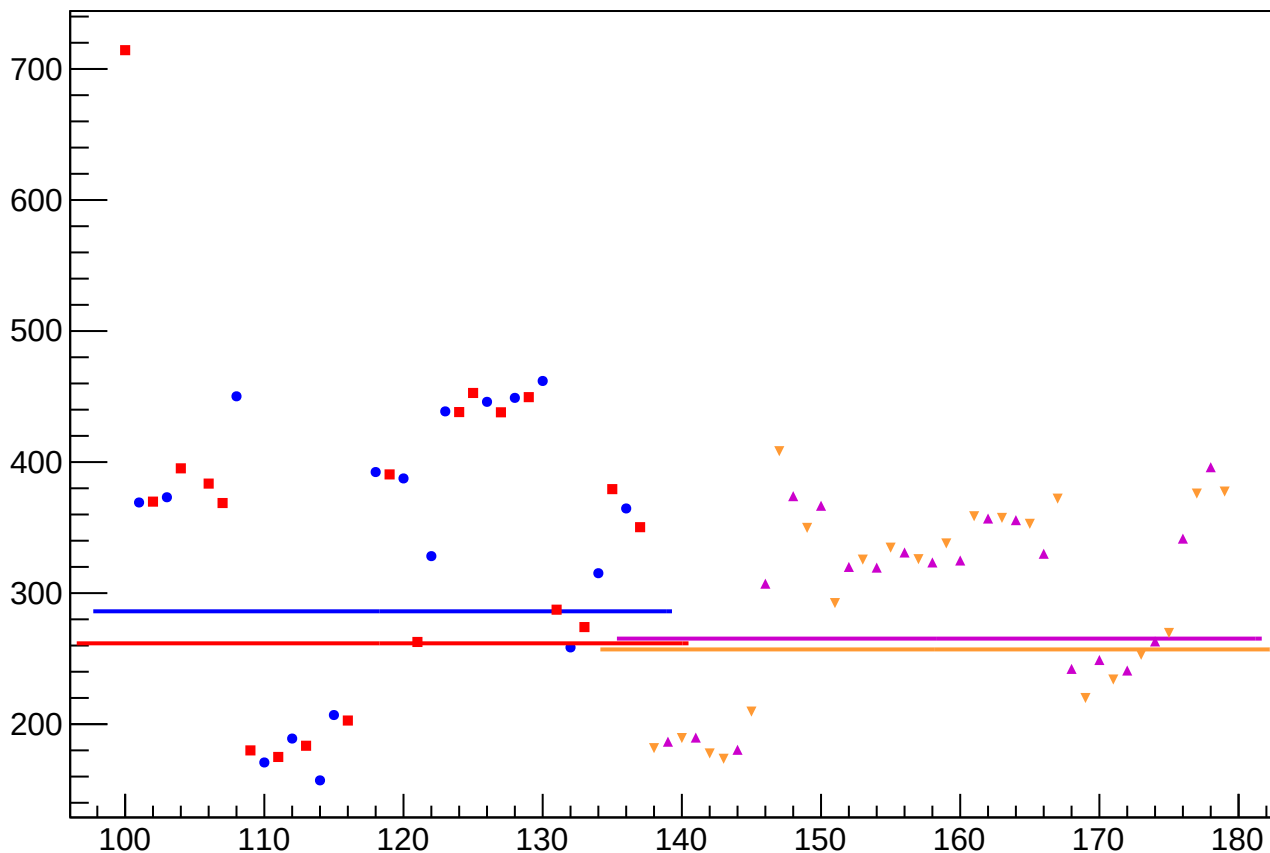
yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 ± 0.119 $\chi^2/\text{NDF}: 161115079.9/16$
 Left Out: 131208.137 ± 0.066 $\chi^2/\text{NDF}: 1163671503.2/21$
 Right Out: 132838.294 ± 0.107 $\chi^2/\text{NDF}: 149611447.6/18$
 Left In: 131251.505 ± 0.071 $\chi^2/\text{NDF}: 1050403140.8/19$

+ sign 131524.576 ± 0.058 $\chi^2/\text{NDF}: 1421165140.2$
 - sign 131731.326 ± 0.059 $\chi^2/\text{NDF}: 1353149008.9$
 All: 131626.357 ± 0.041 $\chi^2/\text{NDF}: 278057119$

yield_bpm0r05WS_rms vs Slug



Right In: 286.122 ± 0.084 $\chi^2/\text{NDF}: 1525266.4/16$

Left Out: 257.033 ± 0.047 $\chi^2/\text{NDF}: 2477783.9/21$

Right Out: 261.686 ± 0.076 $\chi^2/\text{NDF}: 1623174.1/18$

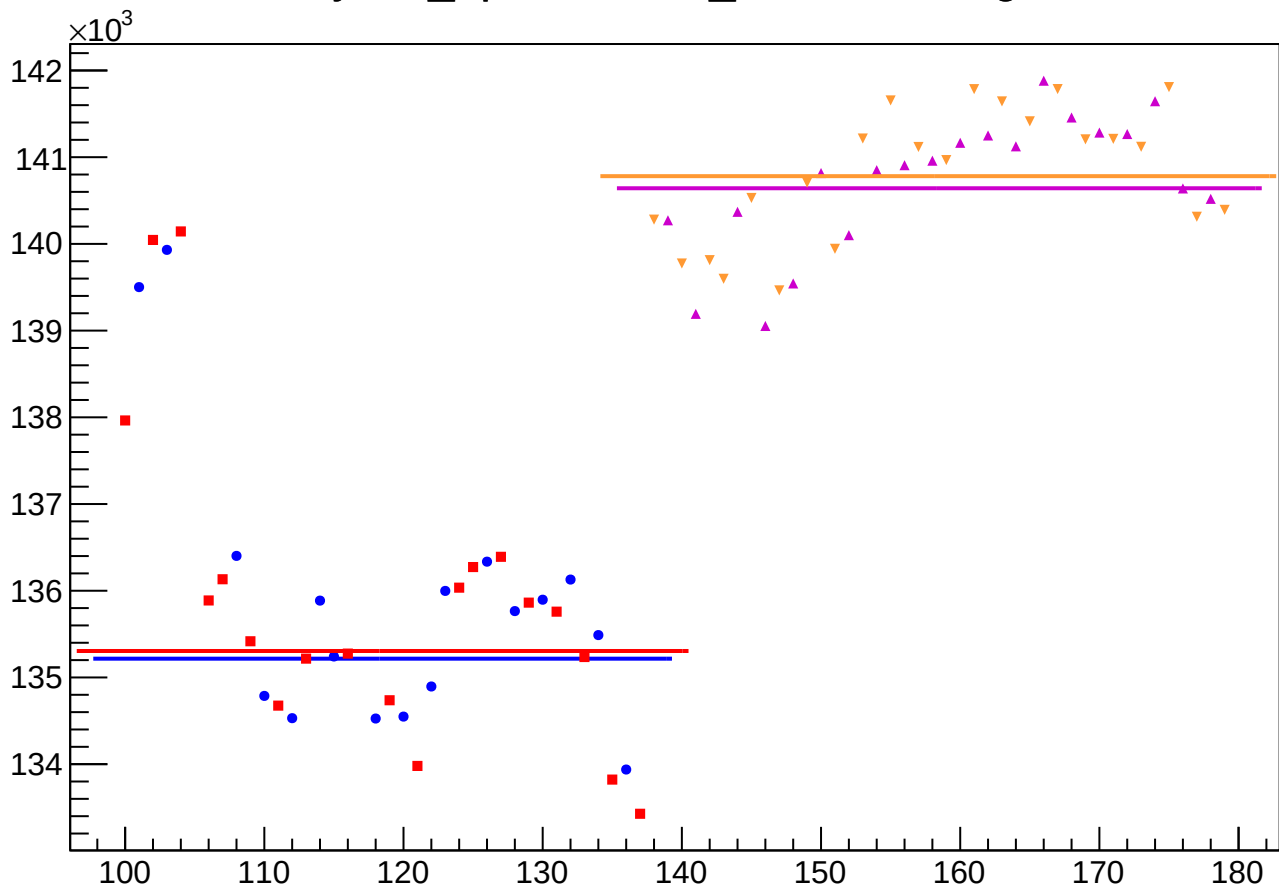
Left In: 265.291 ± 0.050 $\chi^2/\text{NDF}: 1911918.2/19$

+ sign 263.898 ± 0.041 $\chi^2/\text{NDF}: 4093786.3/38$

All: 264.047 ± 0.029 $\chi^2/\text{NDF}: 7630485.5/77$

- sign 264.201 ± 0.042 $\chi^2/\text{NDF}: 3536672.4/38$

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140781.195 $\pm$ 0.050 χ^2 /NDF: 221350770.5/21

Right Out: 135305.135 $\pm$ 0.051 χ^2 /NDF: 357636841.6/18

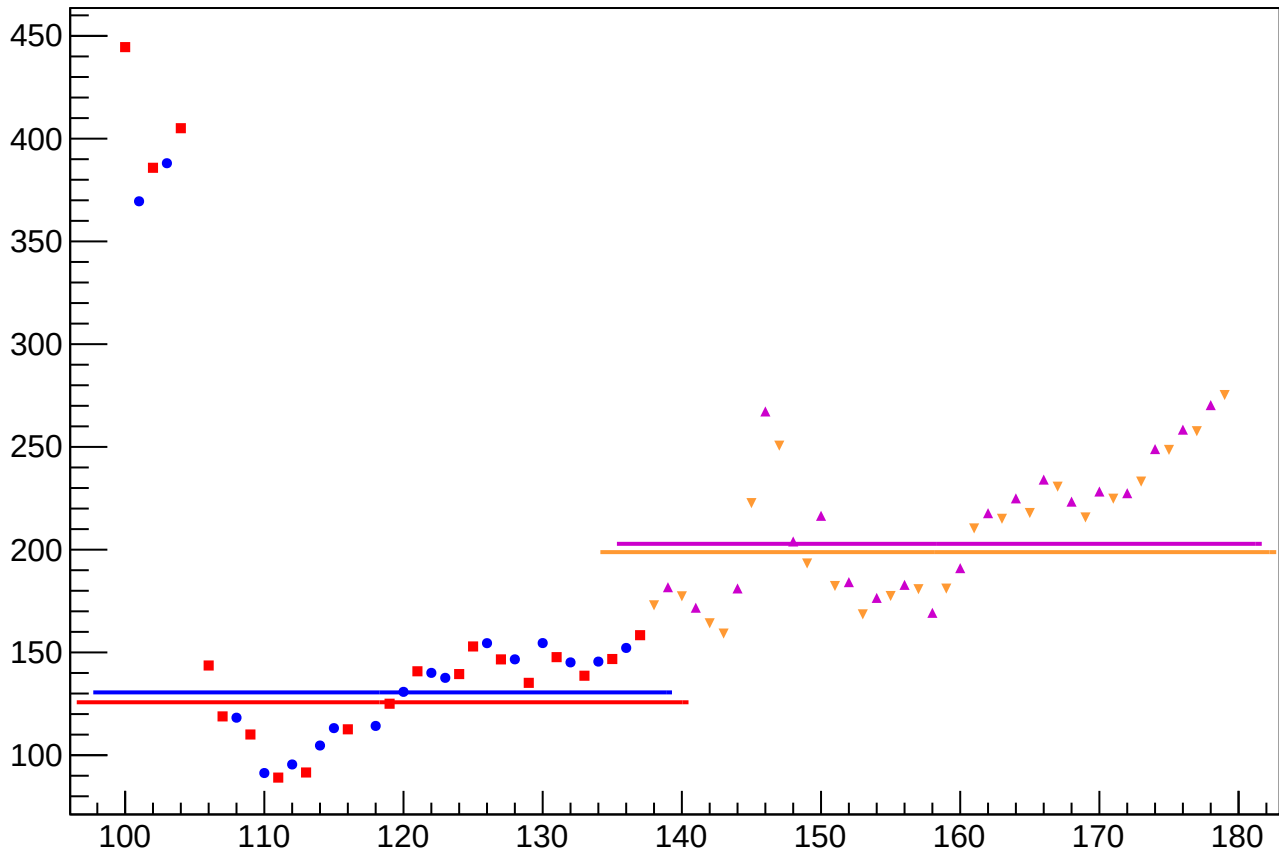
Left In: 140641.660 $\pm$ 0.053 χ^2 /NDF: 190871140.4/19

+ sign 138239.521 $\pm$ 0.037 χ^2 /NDF: 6286042167.6

All: 138067.761 $\pm$ 0.026 χ^2 /NDF: 121656409

- sign 137896.525 $\pm$ 0.037 χ^2 /NDF: 5835943940.7

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 198.807 $\pm$ 0.035 χ^2 /NDF: 753087.3/21

Right Out: 125.746 $\pm$ 0.036 χ^2 /NDF: 1440002.5/18

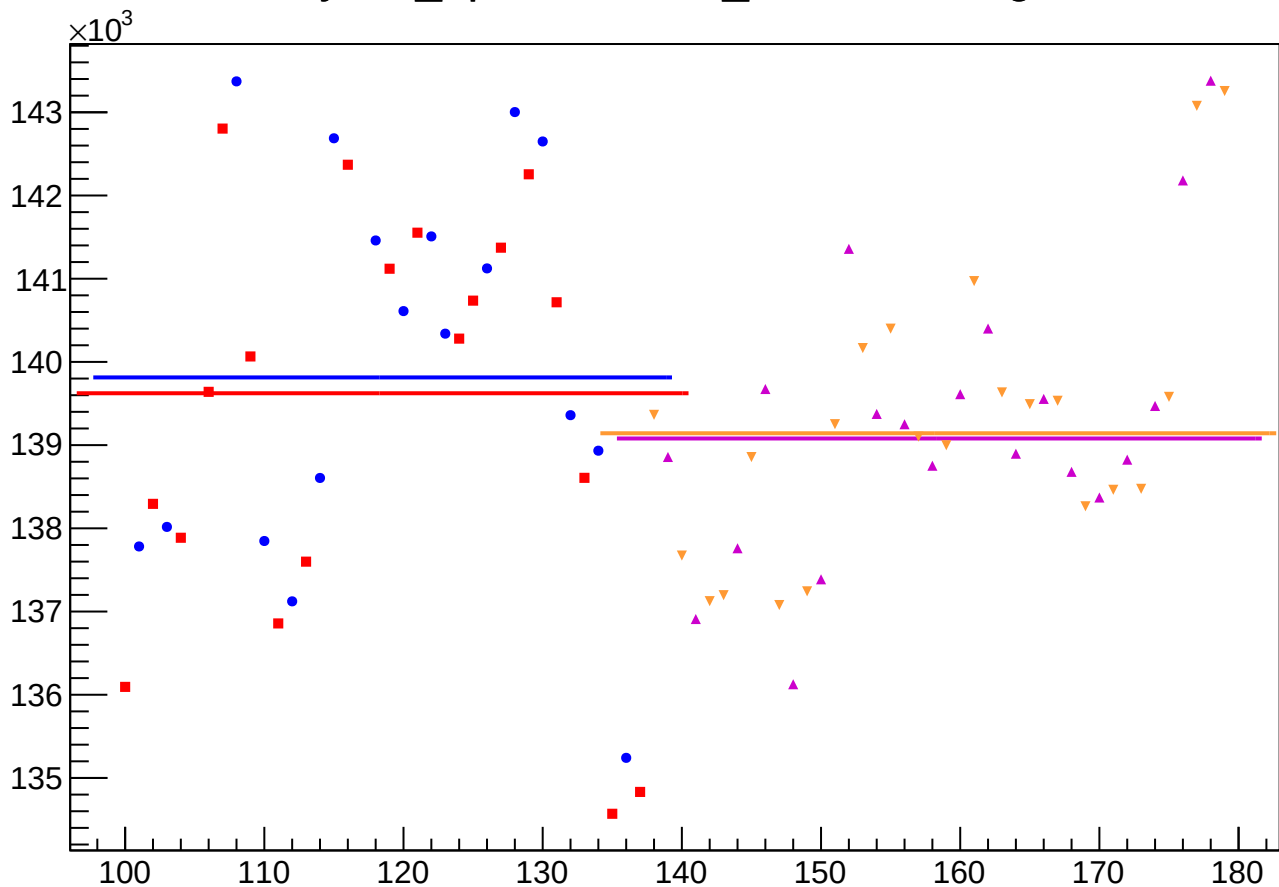
Left In: 202.843 $\pm$ 0.037 χ^2 /NDF: 634868.1/19

+ sign 167.631 $\pm$ 0.026 χ^2 /NDF: 3839386.3/38

All: 165.404 $\pm$ 0.018 χ^2 /NDF: 8136142.9/77

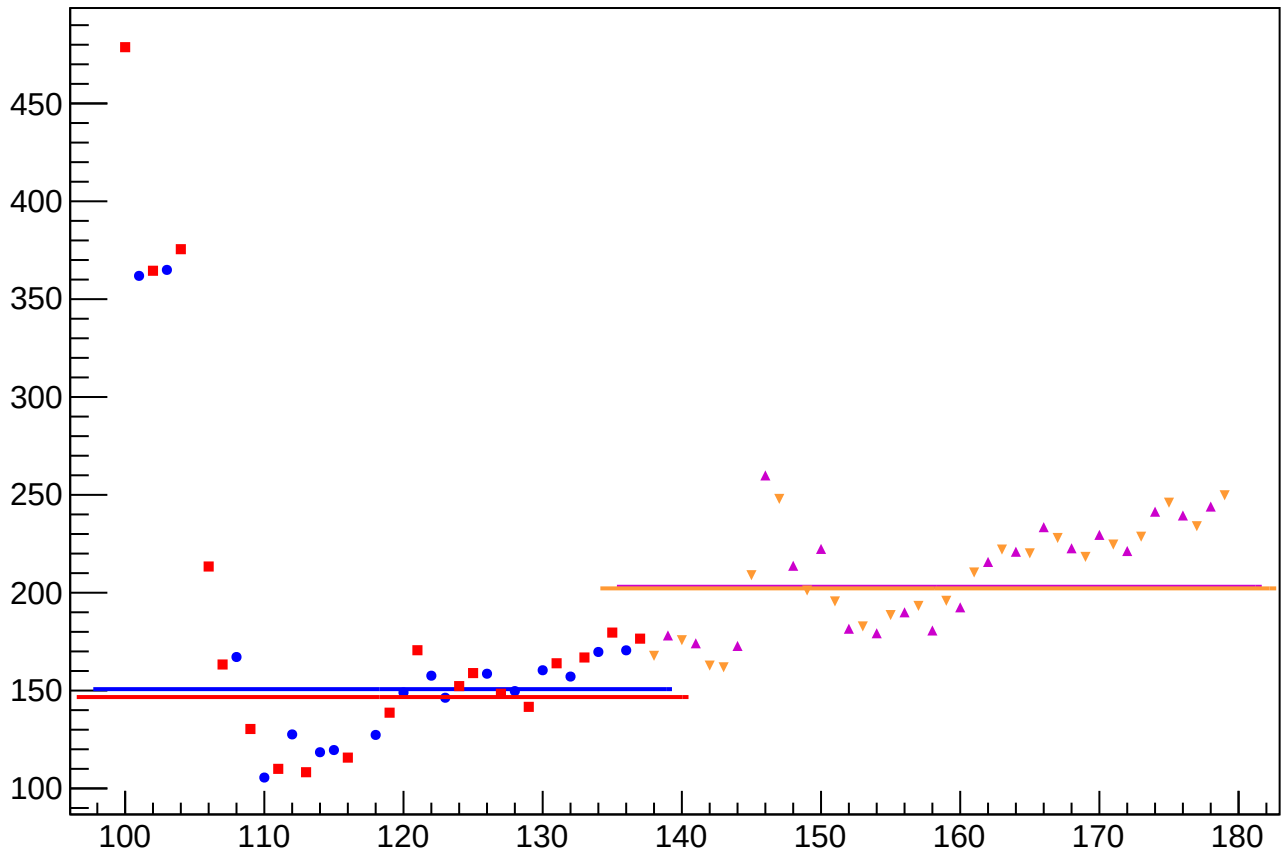
- sign 163.184 $\pm$ 0.026 χ^2 /NDF: 4282079.9/38

yield_bpm0i02aWS_mean vs Slug



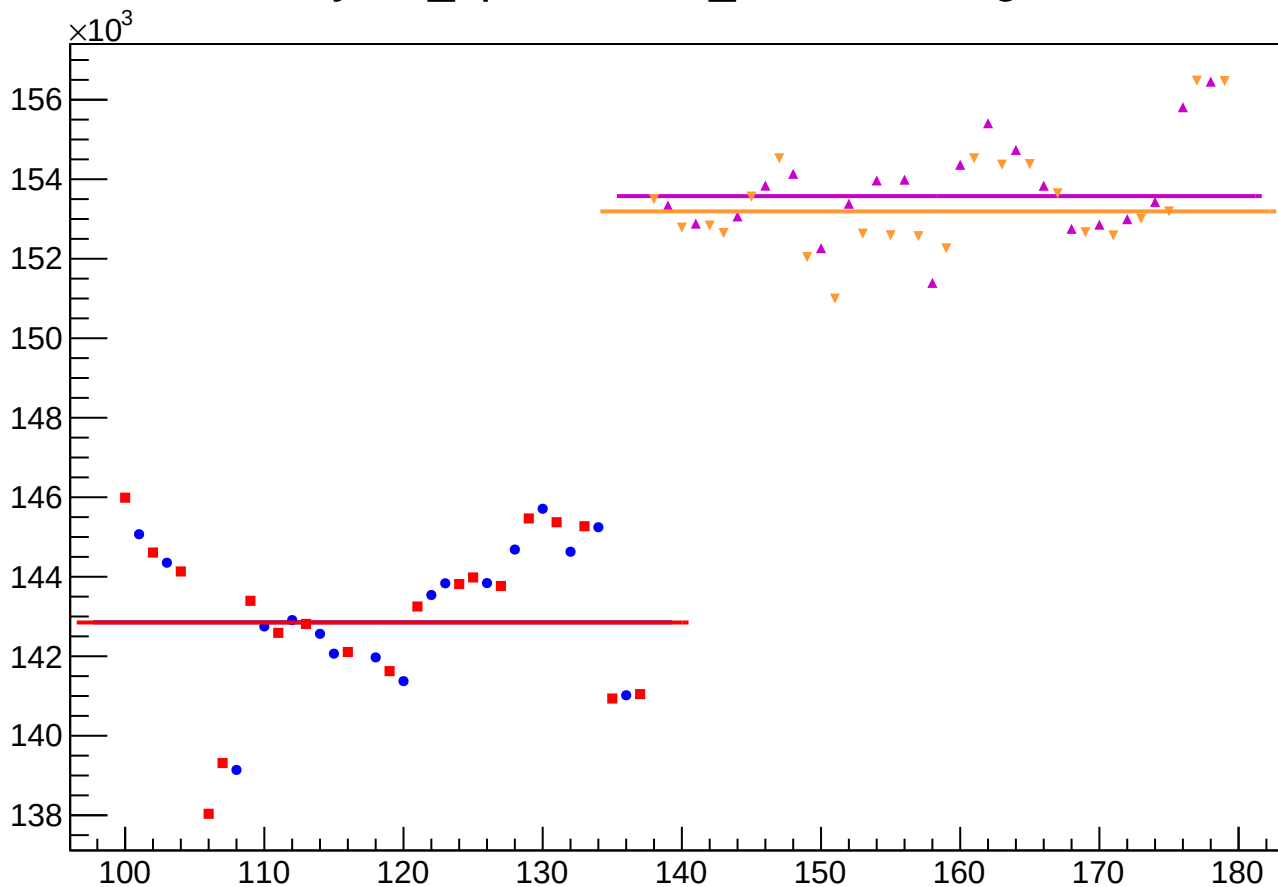
Right In: 139813.664 ± 0.062 $\chi^2/\text{NDF}: 1689865533.6/16$
 Left Out: 139142.541 ± 0.051 $\chi^2/\text{NDF}: 921610219.2/21$
 Right Out: 139623.387 ± 0.059 $\chi^2/\text{NDF}: 1505731109.1/18$
 Left In: 139079.726 ± 0.053 $\chi^2/\text{NDF}: 924433753.9/19$

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733 $\pm$ 0.044	χ^2 /NDF: 1050071.6/16	+ sign 181.594 $\pm$ 0.028	χ^2 /NDF: 2411520.7/38
Left Out: 202.212 $\pm$ 0.036	χ^2 /NDF: 532796.8/21	All: 179.845 $\pm$ 0.020	χ^2 /NDF: 5129724.8/77
Right Out: 146.686 $\pm$ 0.042	χ^2 /NDF: 1203106.6/18	- sign 178.089 $\pm$ 0.028	χ^2 /NDF: 2710222.1/38
Left In: 203.042 $\pm$ 0.037	χ^2 /NDF: 490979.0/19		

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16

Left Out: 153191.330 $\pm$ 0.051 χ^2 /NDF: 565660072.2/21

Right Out: 142849.362 $\pm$ 0.060 χ^2 /NDF: 850066807.5/18

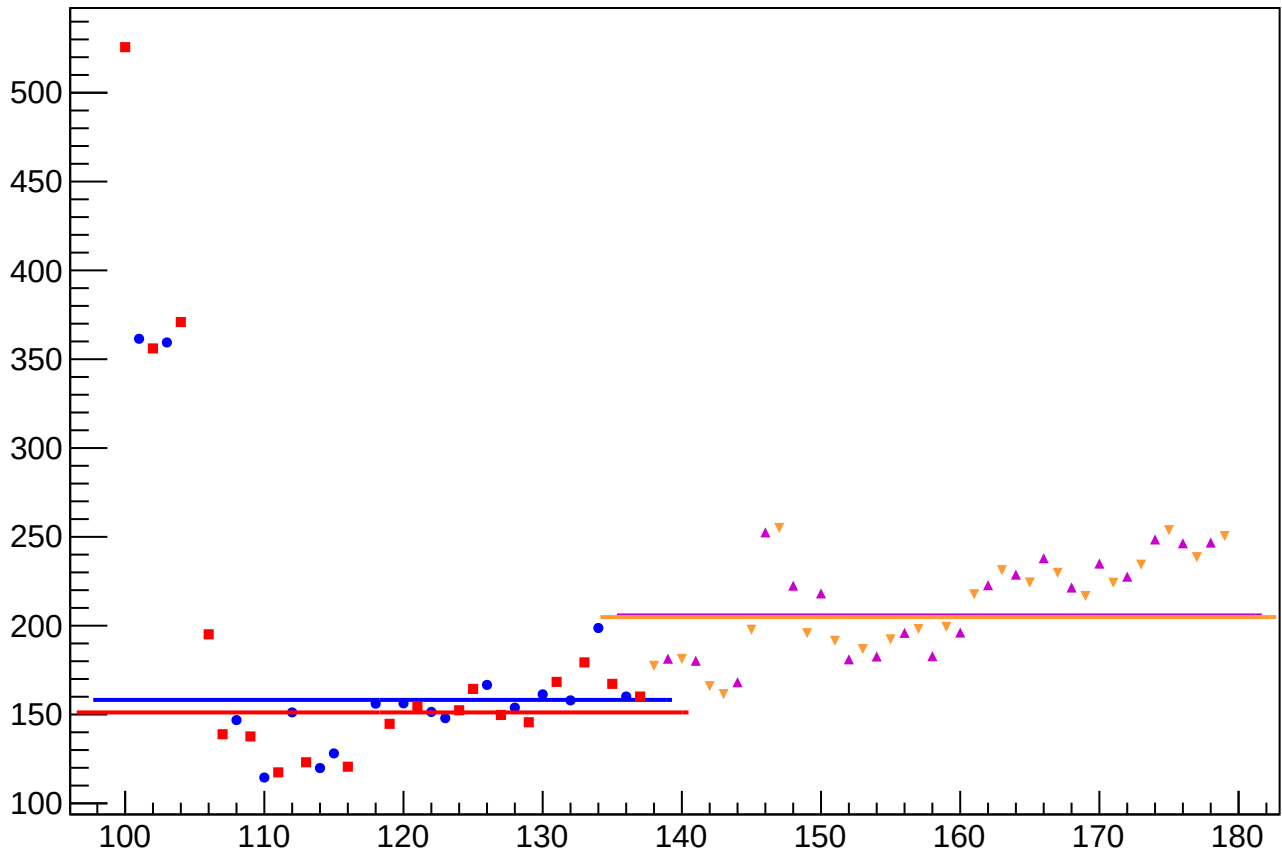
Left In: 153575.652 $\pm$ 0.053 χ^2 /NDF: 451194357.5/19

+ sign 149206.362 $\pm$ 0.040 χ^2 /NDF: 17009991856.

All: 149042.939 $\pm$ 0.028 χ^2 /NDF: 360809843

- sign 148881.077 $\pm$ 0.040 χ^2 /NDF: 19038012863.6

yield_bpm0i05WS_rms vs Slug



Right In: 158.233 ± 0.046 χ^2/NDF : 883513.4/16

Left Out: 204.841 ± 0.036 χ^2/NDF : 530193.3/21

Right Out: 151.174 ± 0.043 χ^2/NDF : 1003301.6/18

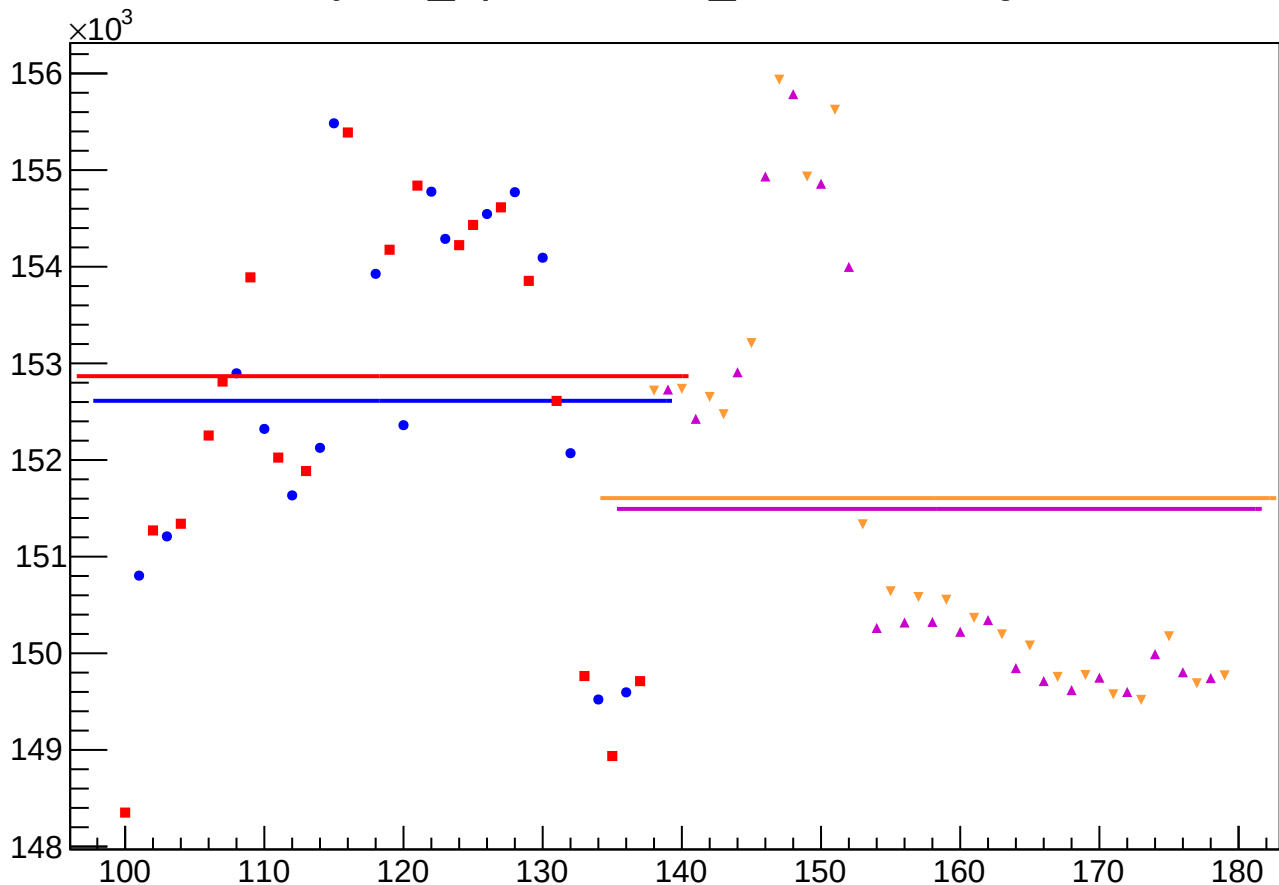
Left In: 205.772 ± 0.038 χ^2/NDF : 511007.9/19

+ sign 186.873 ± 0.028 χ^2/NDF : 2052215.1/38

All: 184.363 ± 0.020 χ^2/NDF : 4501164.5/77

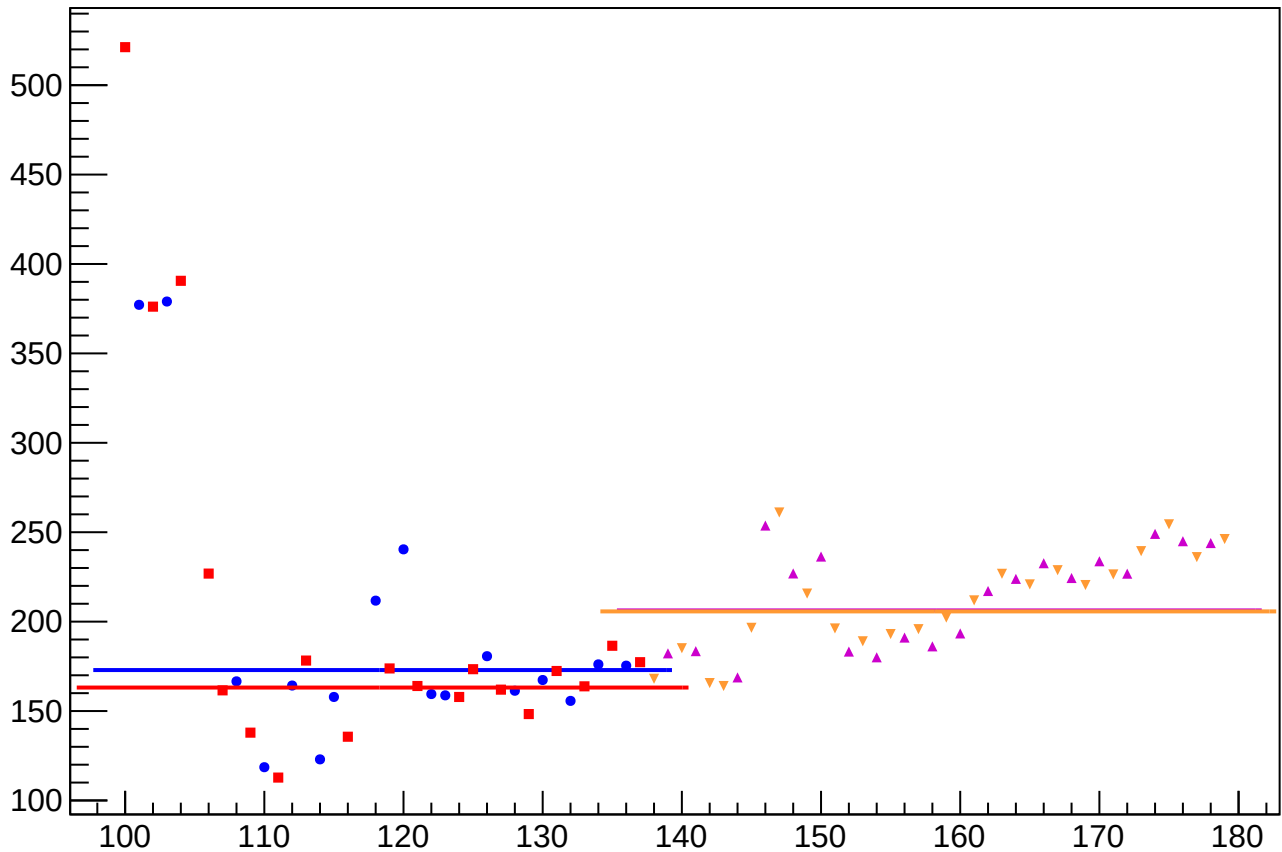
- sign 181.876 ± 0.028 χ^2/NDF : 2433382.2/38

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16
 Left Out: 151605.653 $\pm$ 0.051 χ^2 /NDF: 1373366563.2/21
 Right Out: 152867.453 $\pm$ 0.066 χ^2 /NDF: 719075986.4/18
 Left In: 151494.019 $\pm$ 0.053 χ^2 /NDF: 1331317056.5/19

yield_bpm0i07WS_rms vs Slug



Right In: 172.921 ± 0.051 χ^2/NDF : 941954.0/16

Left Out: 205.723 ± 0.036 χ^2/NDF : 539855.1/21

Right Out: 163.138 ± 0.047 χ^2/NDF : 1033751.2/18

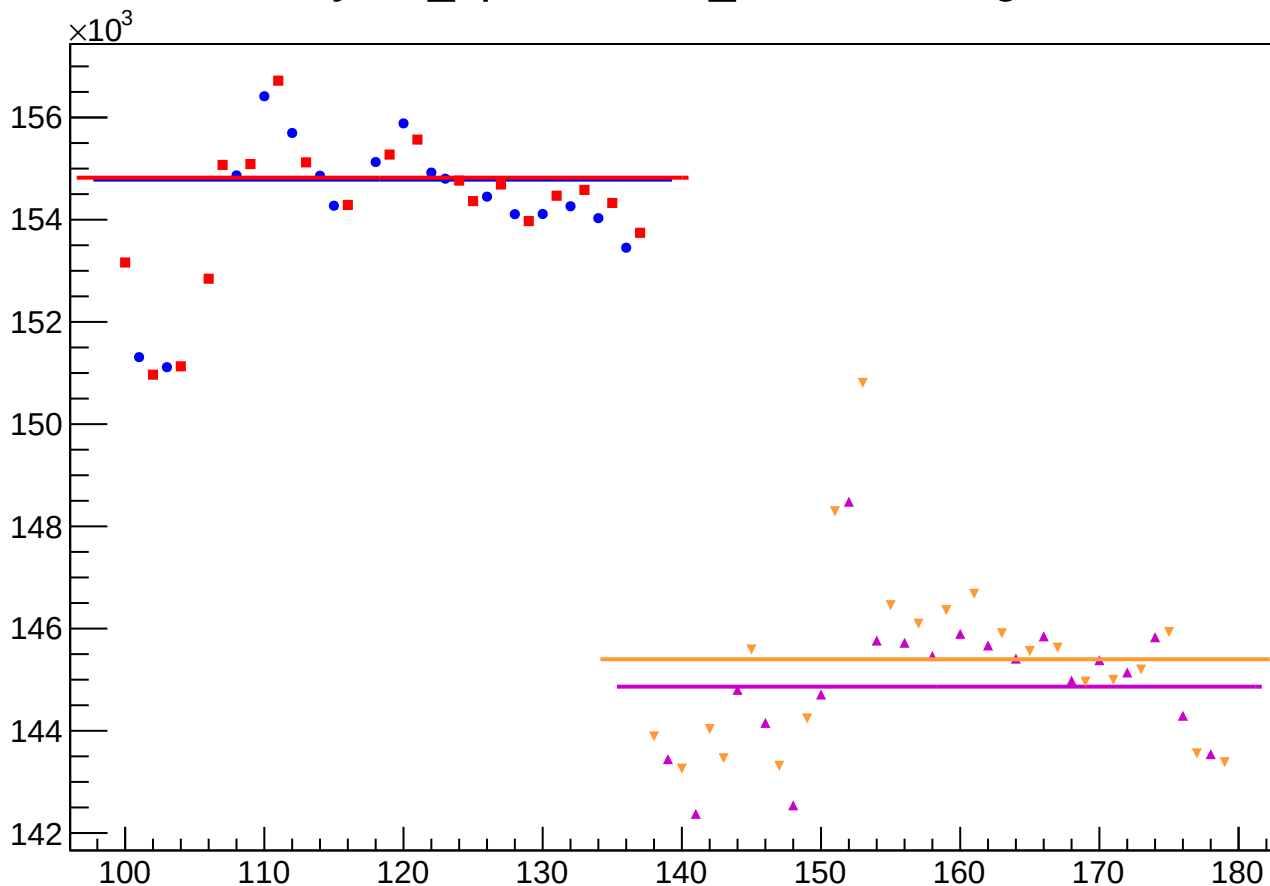
Left In: 206.279 ± 0.038 χ^2/NDF : 510453.6/19

+ sign 194.716 ± 0.030 χ^2/NDF : 1756369.1/38

All: 191.998 ± 0.021 χ^2/NDF : 3832503.8/77

- sign 189.315 ± 0.029 χ^2/NDF : 2059326.7/38

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16

Left Out: 145399.616 $\pm$ 0.049 χ^2 /NDF: 1581173803.3/21

Right Out: 154822.113 $\pm$ 0.061 χ^2 /NDF: 293850525.9/18

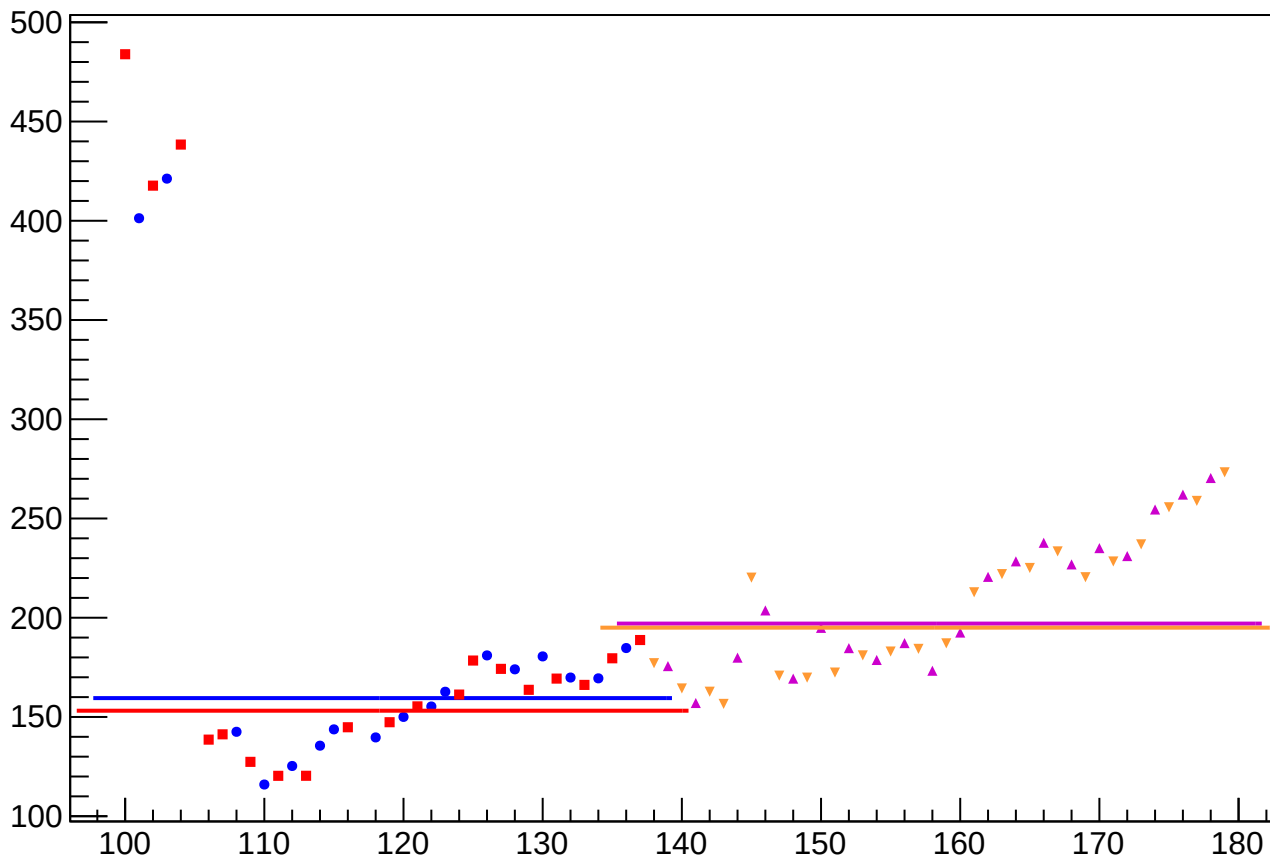
Left In: 144863.508 $\pm$ 0.051 χ^2 /NDF: 859924147.8/19

+ sign 148753.761 $\pm$ 0.039 χ^2 /NDF: 15090288857.0

All: 148860.690 $\pm$ 0.028 χ^2 /NDF: 319852530.0

- sign 148967.663 $\pm$ 0.039 χ^2 /NDF: 16879987960.0

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 194.994 $\pm$ 0.034 χ^2 /NDF: 830312.1/21

Right Out: 153.153 $\pm$ 0.043 χ^2 /NDF: 1173739.7/18

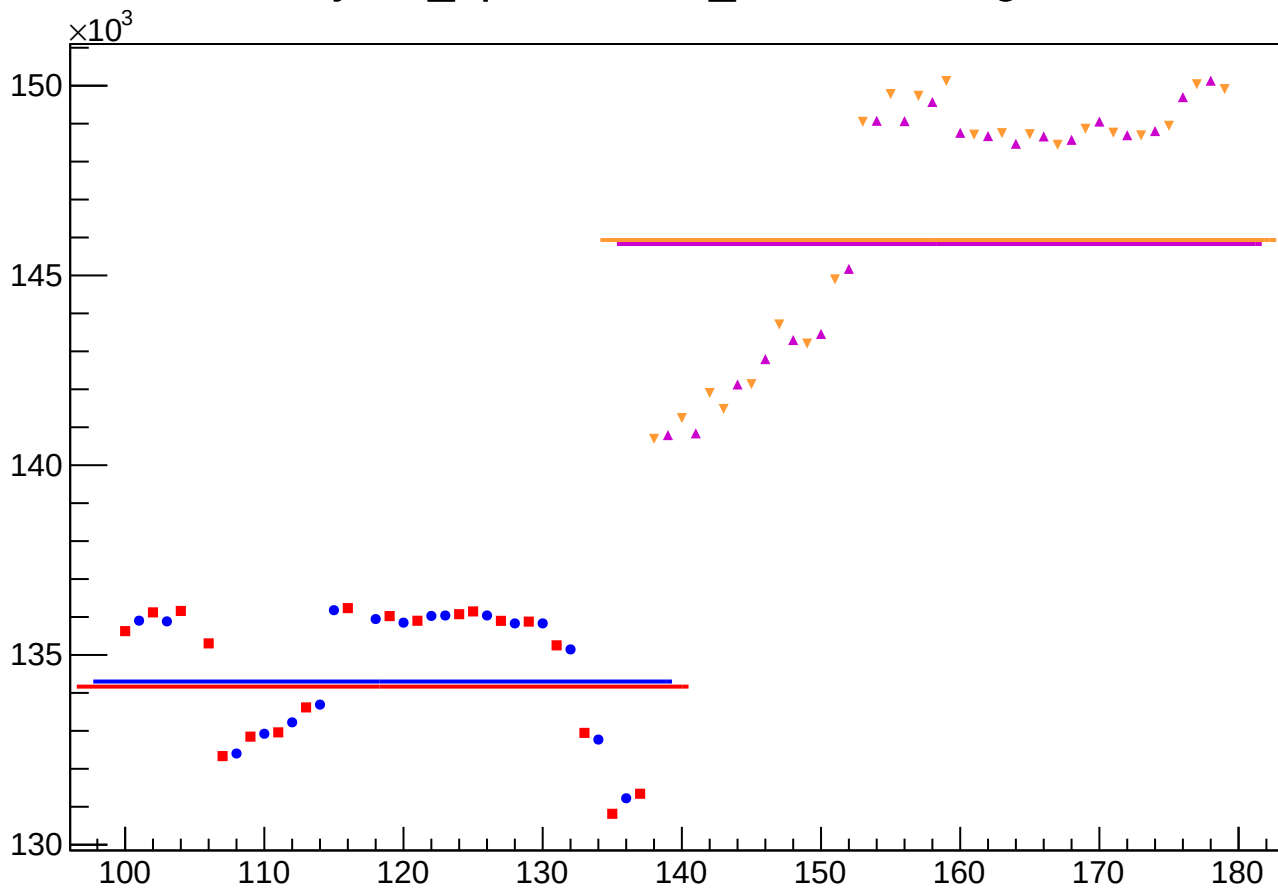
Left In: 197.047 $\pm$ 0.036 χ^2 /NDF: 701567.6/19

+ sign 182.309 $\pm$ 0.028 χ^2 /NDF: 2340978.8/38

All: 180.634 $\pm$ 0.020 χ^2 /NDF: 4834664.1/77

- sign 178.958 $\pm$ 0.028 χ^2 /NDF: 2486333.4/38

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 ± 0.050 $\chi^2/\text{NDF}: 1149581803.2/16$

Left Out: 145933.566 ± 0.050 $\chi^2/\text{NDF}: 5107428921.1/21$

Right Out: 134165.615 ± 0.047 $\chi^2/\text{NDF}: 1211471052.4/18$

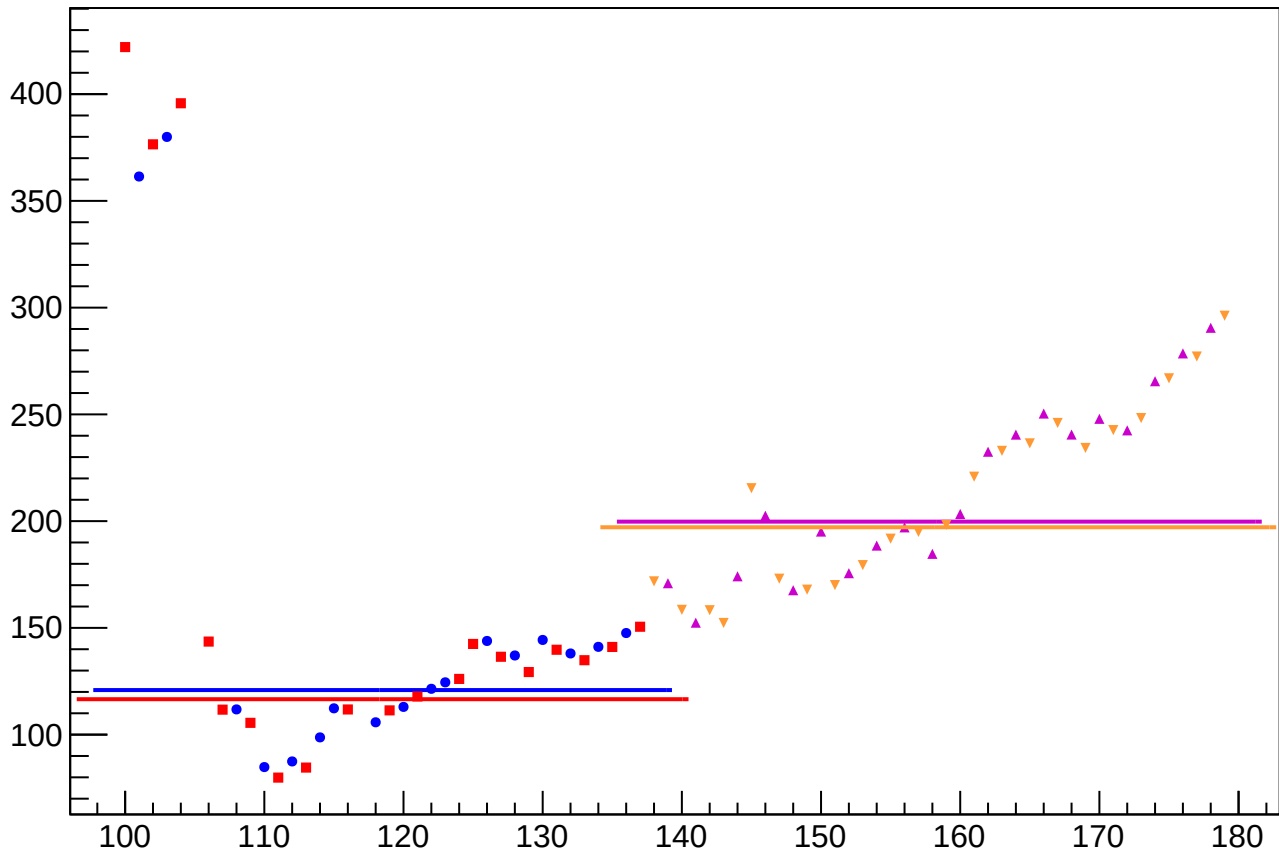
Left In: 145828.298 ± 0.052 $\chi^2/\text{NDF}: 4310937046.7/19$

+ sign 140208.913 ± 0.035 $\chi^2/\text{NDF}: 33380987007.0/21$

All: 139833.201 ± 0.025 $\chi^2/\text{NDF}: 666386030.0/21$

- sign 139463.932 ± 0.035 $\chi^2/\text{NDF}: 33033177155.0/21$

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 197.129 $\pm$ 0.035 χ^2 /NDF: 1154619.7/21

Right Out: 116.595 $\pm$ 0.034 χ^2 /NDF: 1541338.5/18

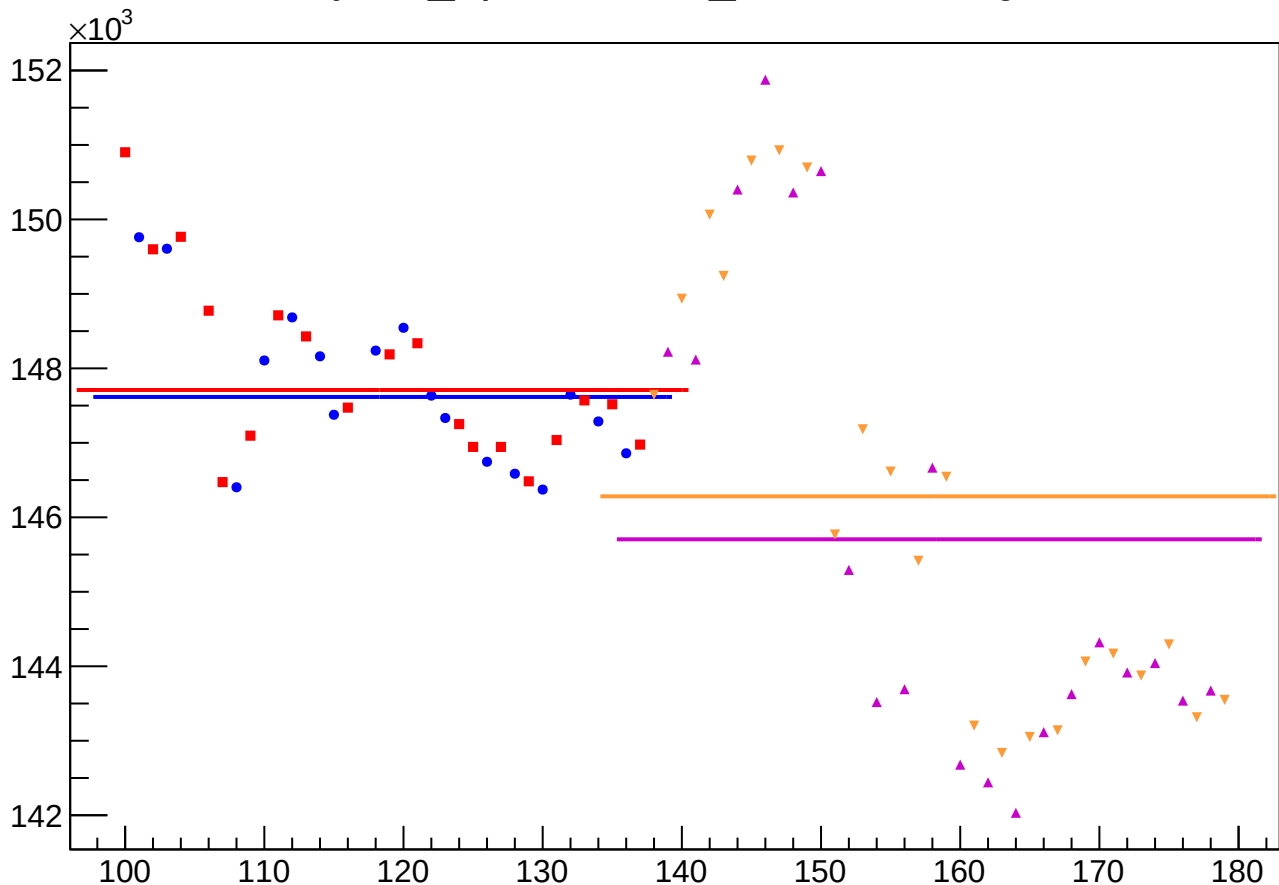
Left In: 199.760 $\pm$ 0.037 χ^2 /NDF: 963814.0/19

+ sign 159.605 $\pm$ 0.025 χ^2 /NDF: 4949207.4/38

All: 156.968 $\pm$ 0.018 χ^2 /NDF: 10274290.7/77

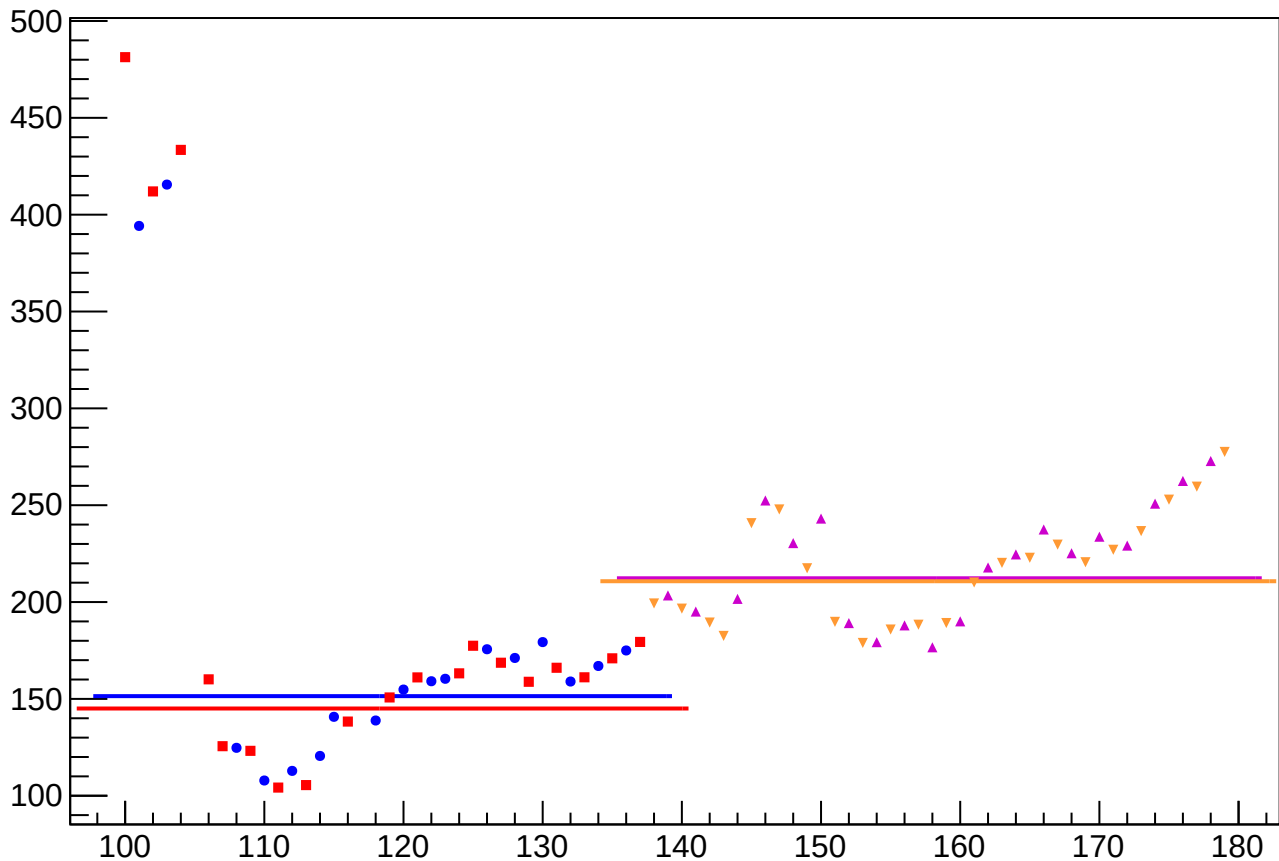
- sign 154.376 $\pm$ 0.025 χ^2 /NDF: 5302974.8/38

yield_bpm1i06WS_mean vs Slug



Right In: 147616.150+/-0.062	χ^2/NDF : 199263428.7/16	+ sign 146833.546+/-0.040	χ^2/NDF : 2964529843.9
Left Out: 146281.681+/-0.052	χ^2/NDF : 2497768800.6/21	All: 146738.281+/-0.028	χ^2/NDF : 67494881
Right Out: 147709.723+/-0.058	χ^2/NDF : 203906685.9/18	- sign 146644.223+/-0.040	χ^2/NDF : 3773787468.5/19
Left In: 145704.703+/-0.055	χ^2/NDF : 2941898421.0/19		

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 210.753 $\pm$ 0.037 χ^2 /NDF: 491155.0/21

Right Out: 145.039 $\pm$ 0.041 χ^2 /NDF: 1375972.0/18

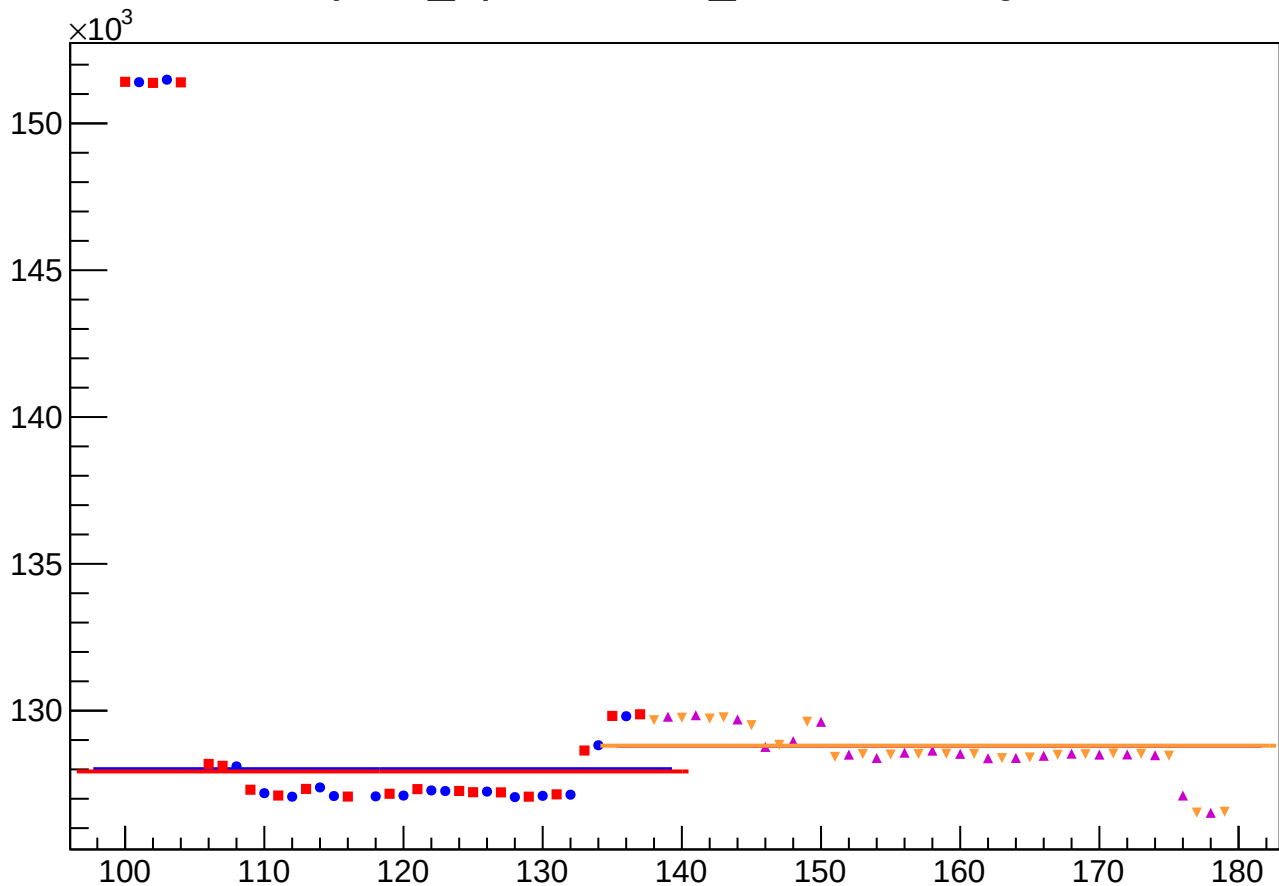
Left In: 212.273 $\pm$ 0.039 χ^2 /NDF: 499819.2/19

+ sign 186.218 $\pm$ 0.028 χ^2 /NDF: 2806473.0/38

All: 183.476 $\pm$ 0.020 χ^2 /NDF: 6113016.2/77

- sign 180.768 $\pm$ 0.028 χ^2 /NDF: 3288032.0/38

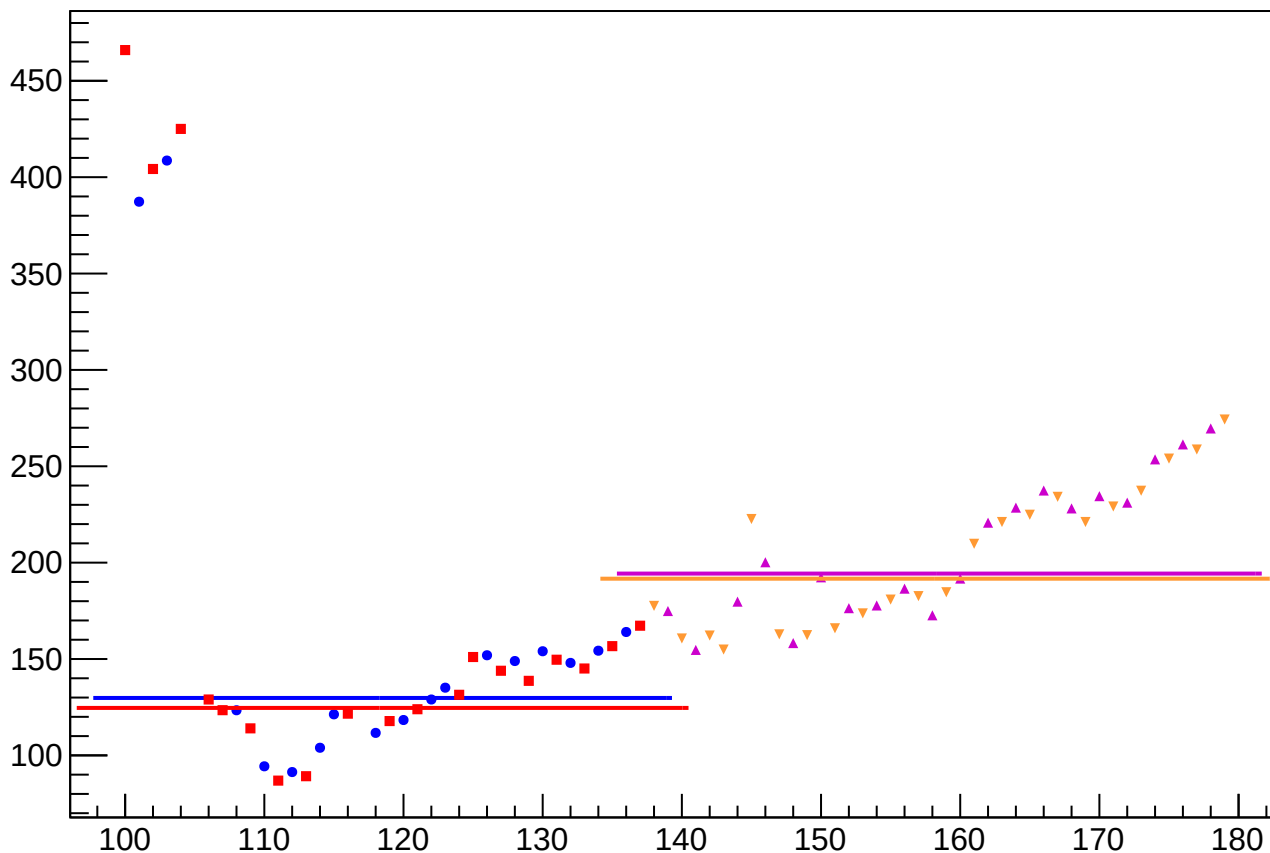
yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 ± 0.054 $\chi^2/\text{NDF}: 4319785674.5/16$
 Left Out: 128807.249 ± 0.048 $\chi^2/\text{NDF}: 248216361.6/21$
 Right Out: 127930.136 ± 0.050 $\chi^2/\text{NDF}: 3768176193.0/18$
 Left In: 128798.449 ± 0.050 $\chi^2/\text{NDF}: 204829166.0/19$

+ sign 128455.302 ± 0.036 $\chi^2/\text{NDF}: 4690314597.2$
 All: 128409.547 ± 0.025 $\chi^2/\text{NDF}: 88151394$
 - sign 128364.516 ± 0.036 $\chi^2/\text{NDF}: 4121601994.2$

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 191.672 $\pm$ 0.034 χ^2 /NDF: 950503.7/21

Right Out: 124.625 $\pm$ 0.036 χ^2 /NDF: 1531827.4/18

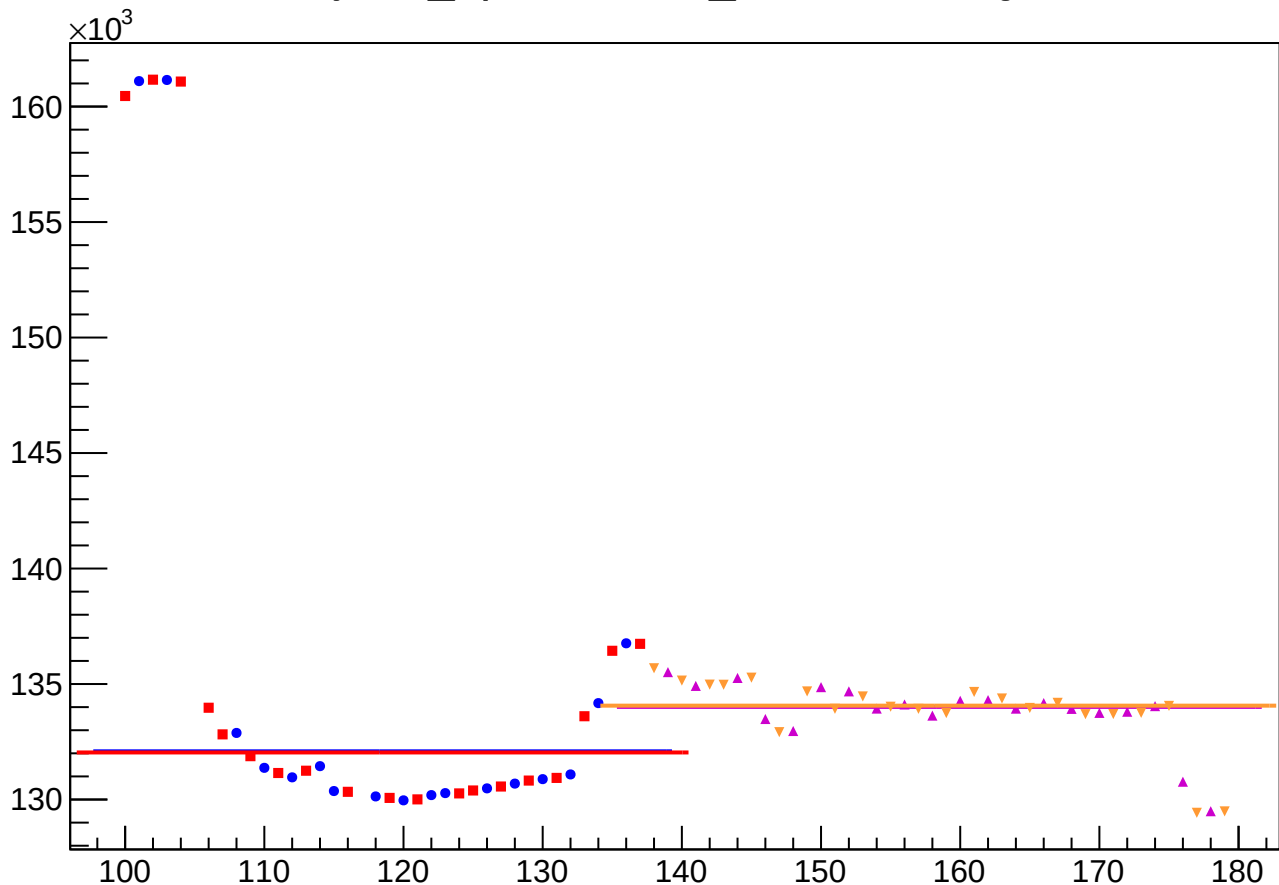
Left In: 194.326 $\pm$ 0.036 χ^2 /NDF: 783319.4/19

+ sign 164.447 $\pm$ 0.025 χ^2 /NDF: 3899628.7/38

All: 161.950 $\pm$ 0.018 χ^2 /NDF: 8148972.0/77

- sign 159.493 $\pm$ 0.025 χ^2 /NDF: 4230153.9/38

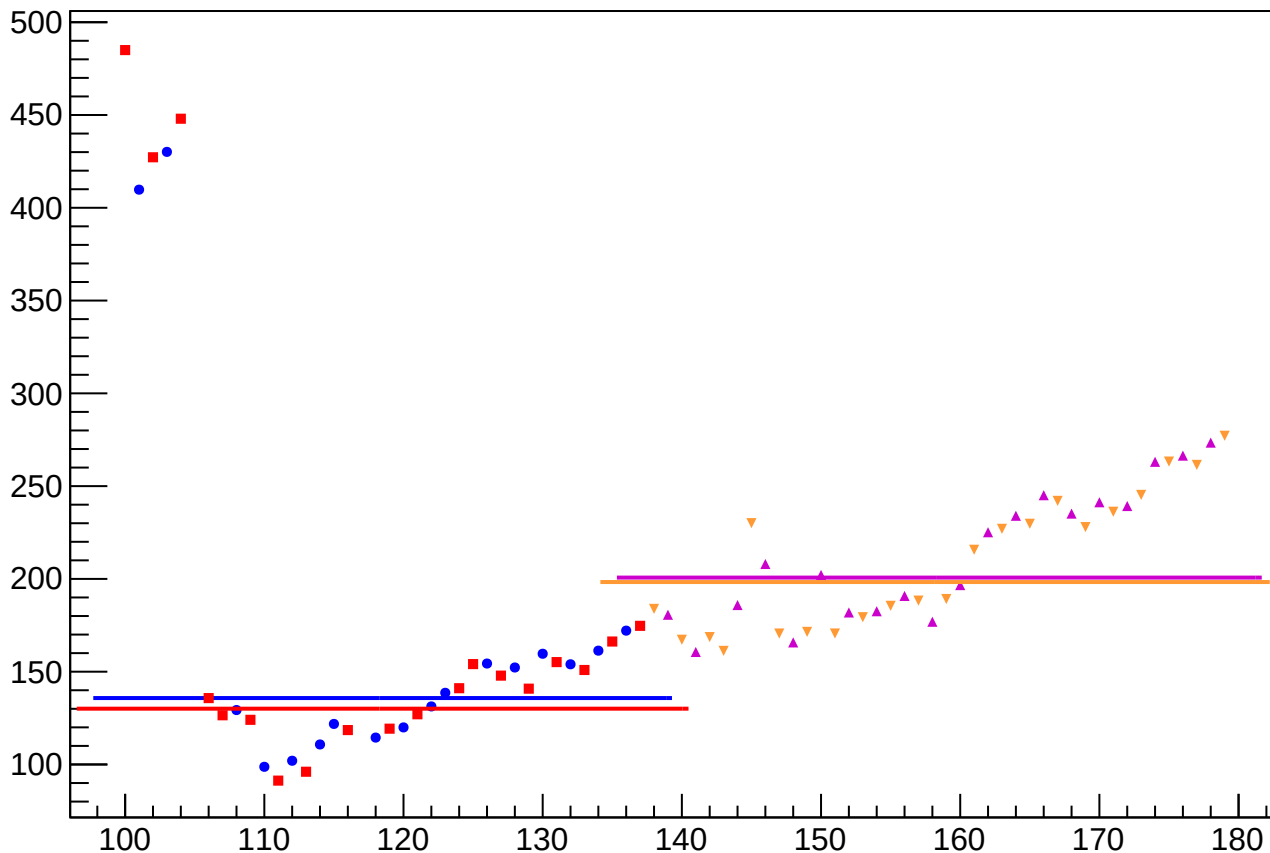
yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16
 Left Out: 134063.737 $\pm$ 0.050 χ^2 /NDF: 665850203.6/21
 Right Out: 132037.539 $\pm$ 0.053 χ^2 /NDF: 5882115872.9/18
 Left In: 134009.357 $\pm$ 0.052 χ^2 /NDF: 505154119.1/19

+ sign 133203.764 $\pm$ 0.037 χ^2 /NDF: 8090197909.8
 All: 133117.985 $\pm$ 0.026 χ^2 /NDF: 151998274
 - sign 133033.721 $\pm$ 0.037 χ^2 /NDF: 7099134818.0

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 ± 0.040 χ^2/NDF : 1441904.9/16

Left Out: 198.315 ± 0.035 χ^2/NDF : 887900.3/21

Right Out: 130.070 ± 0.037 χ^2/NDF : 1503997.6/18

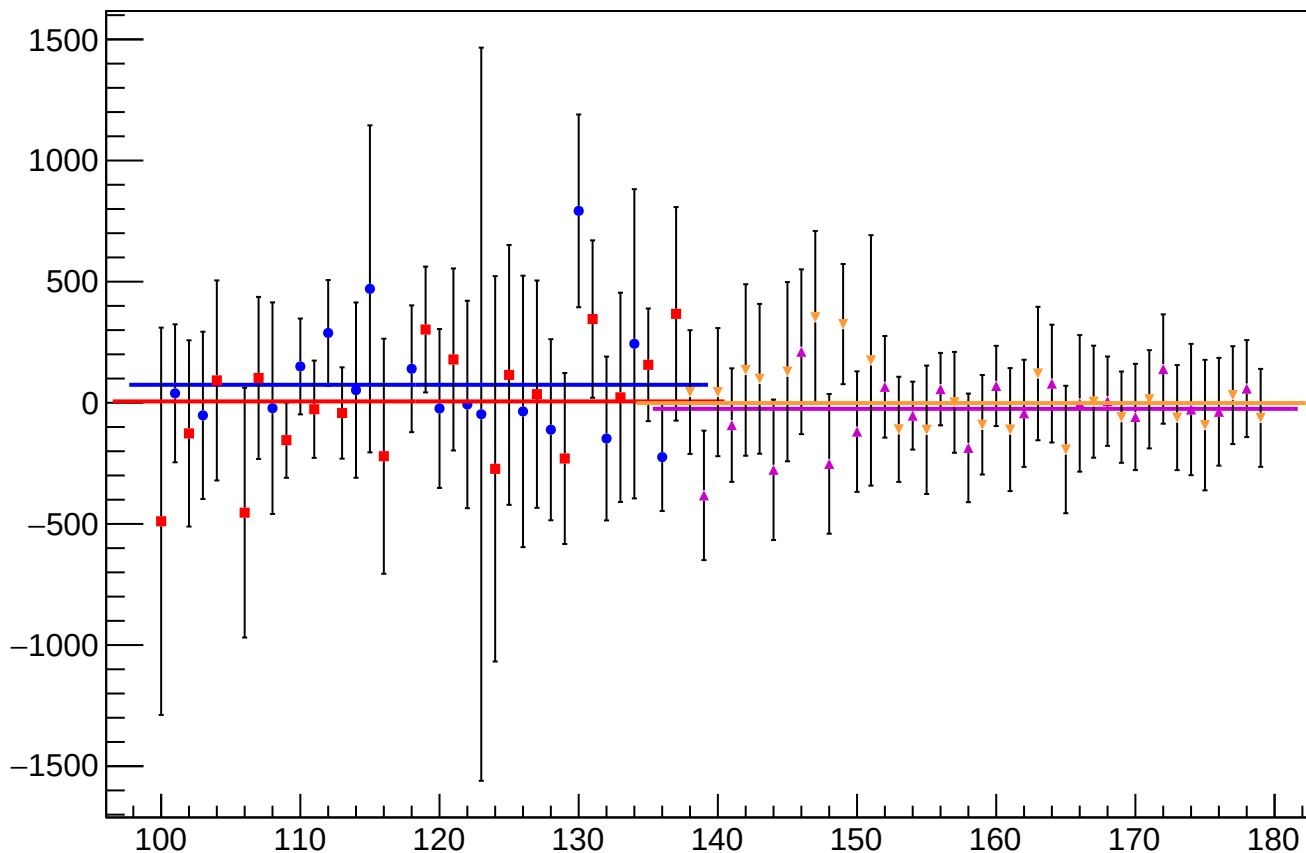
Left In: 200.710 ± 0.037 χ^2/NDF : 749576.8/19

+ sign 171.120 ± 0.026 χ^2/NDF : 3712160.5/38

All: 168.415 ± 0.019 χ^2/NDF : 7813882.7/77

- sign 165.758 ± 0.026 χ^2/NDF : 4080855.3/38

asym_bcm_an_ds_mean vs Slug



Right In: 74.294 $\pm$ 79.018 χ^2 /NDF: 7.7/16

Left Out: -1.103 $\pm$ 52.423 χ^2 /NDF: 5.2/21

Right Out: 5.739 $\pm$ 70.069 χ^2 /NDF: 7.1/18

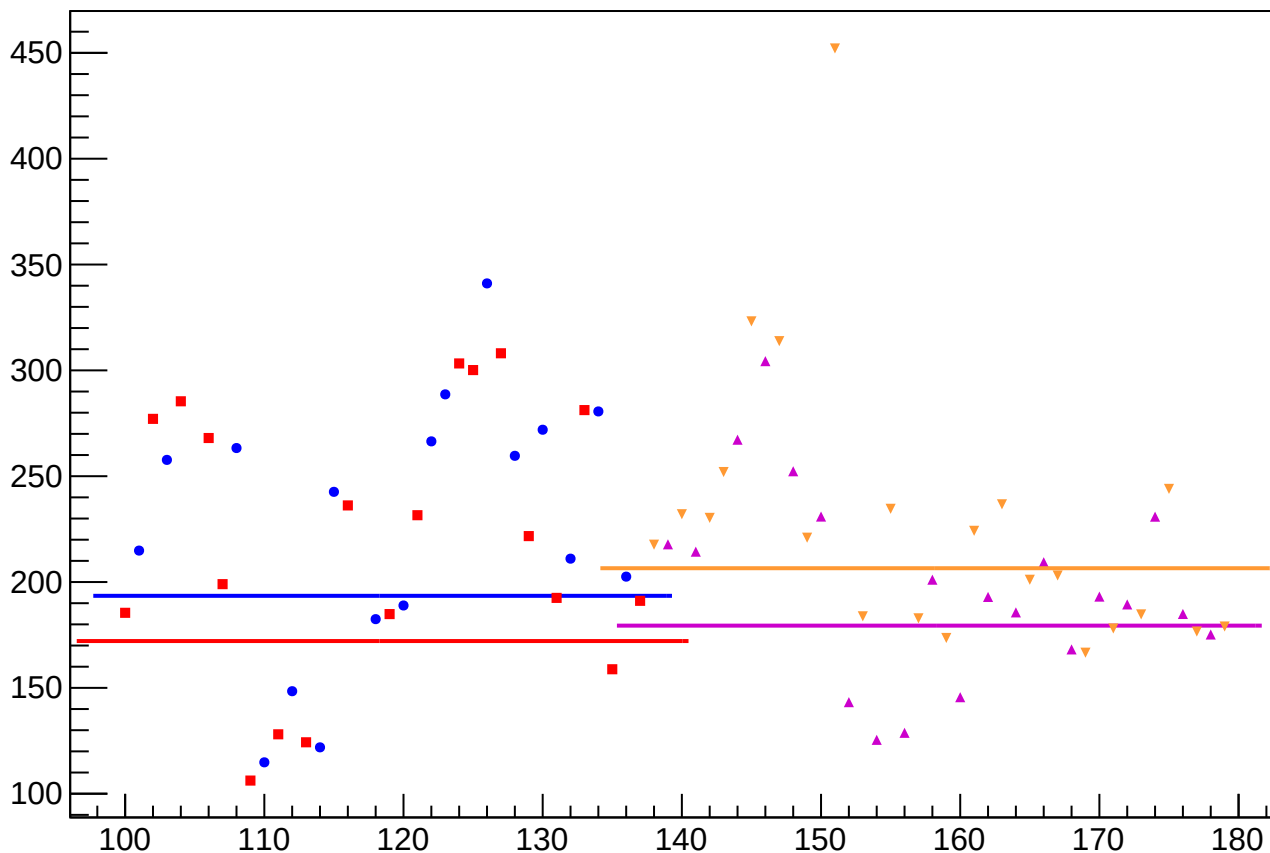
Left In: -24.930 $\pm$ 47.993 χ^2 /NDF: 6.2/19

+ sign 21.940 $\pm$ 43.684 χ^2 /NDF: 13.5/38

All: 1.586 $\pm$ 29.337 χ^2 /NDF: 27.4/77

- sign -15.136 $\pm$ 39.595 χ^2 /NDF: 13.4/38

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 ± 0.056 $\chi^2/\text{NDF}: 1017195.7/16$

Left Out: 206.528 ± 0.037 $\chi^2/\text{NDF}: 1338619.7/21$

Right Out: 172.122 ± 0.050 $\chi^2/\text{NDF}: 1579840.2/18$

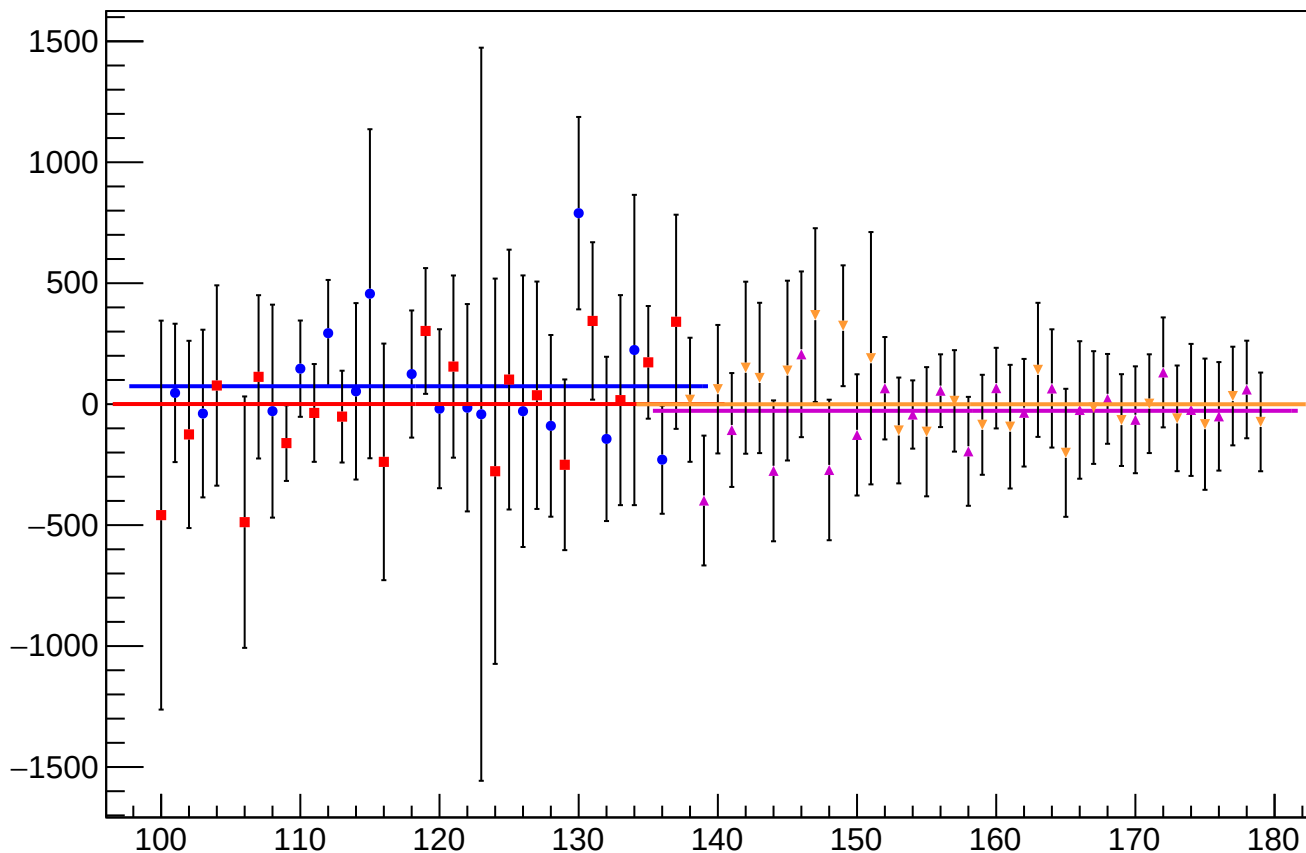
Left In: 179.405 ± 0.034 $\chi^2/\text{NDF}: 1565134.2/19$

+ sign 202.543 ± 0.031 $\chi^2/\text{NDF}: 2393638.0/38$

All: 188.564 ± 0.021 $\chi^2/\text{NDF}: 5926370.9/77$

- sign 177.080 ± 0.028 $\chi^2/\text{NDF}: 3159681.5/38$

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098 $\pm$ 79.404 χ^2 /NDF: 7.6/16

Left Out: -0.372 $\pm$ 52.790 χ^2 /NDF: 5.4/21

Right Out: 0.503 $\pm$ 70.437 χ^2 /NDF: 7.3/18

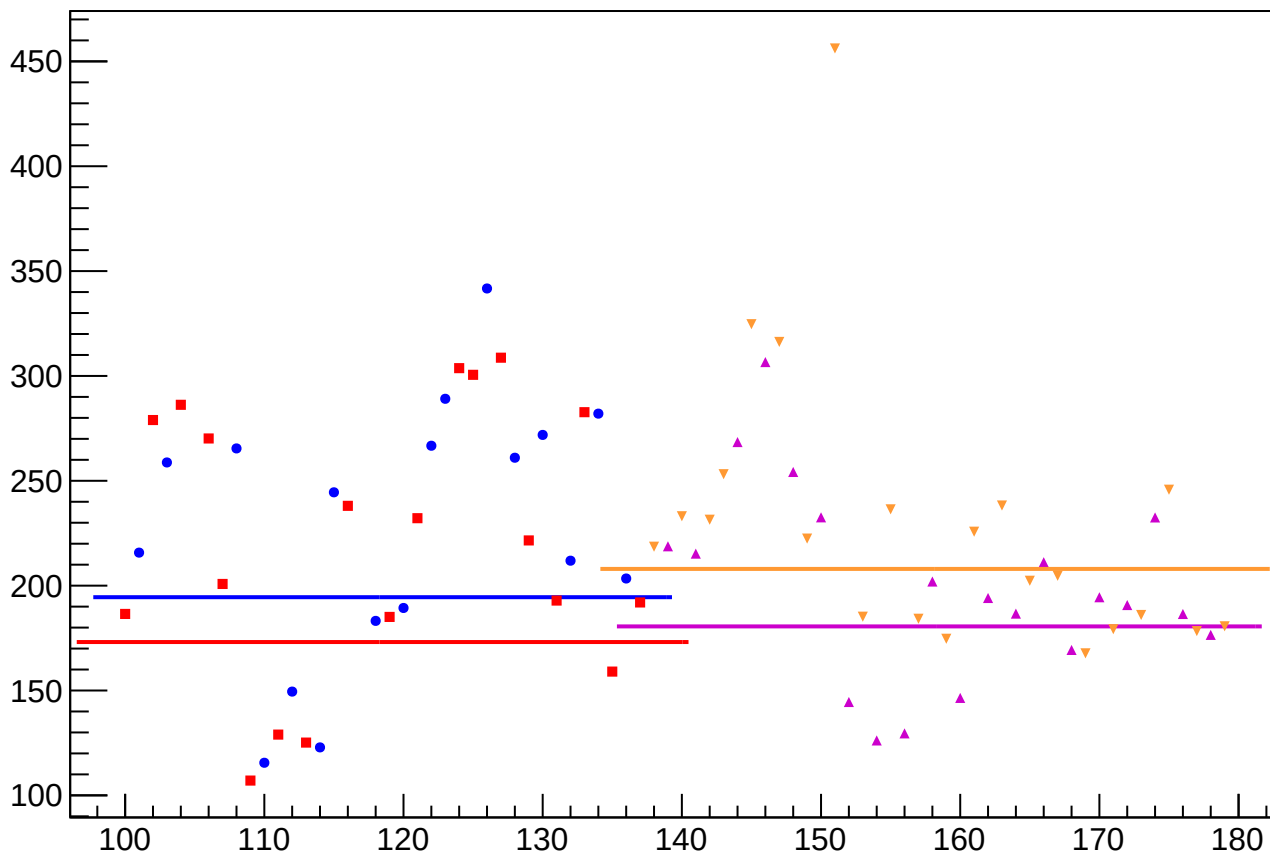
Left In: -27.471 $\pm$ 48.305 χ^2 /NDF: 6.4/19

+ sign 22.454 $\pm$ 43.961 χ^2 /NDF: 13.6/38

All: -0.046 $\pm$ 29.519 χ^2 /NDF: 27.8/77

- sign -18.523 $\pm$ 39.837 χ^2 /NDF: 13.8/38

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 ± 0.056 $\chi^2/\text{NDF}: 1008514.7/16$

Left Out: 207.980 ± 0.037 $\chi^2/\text{NDF}: 1334288.5/21$

Right Out: 173.111 ± 0.050 $\chi^2/\text{NDF}: 1567374.3/18$

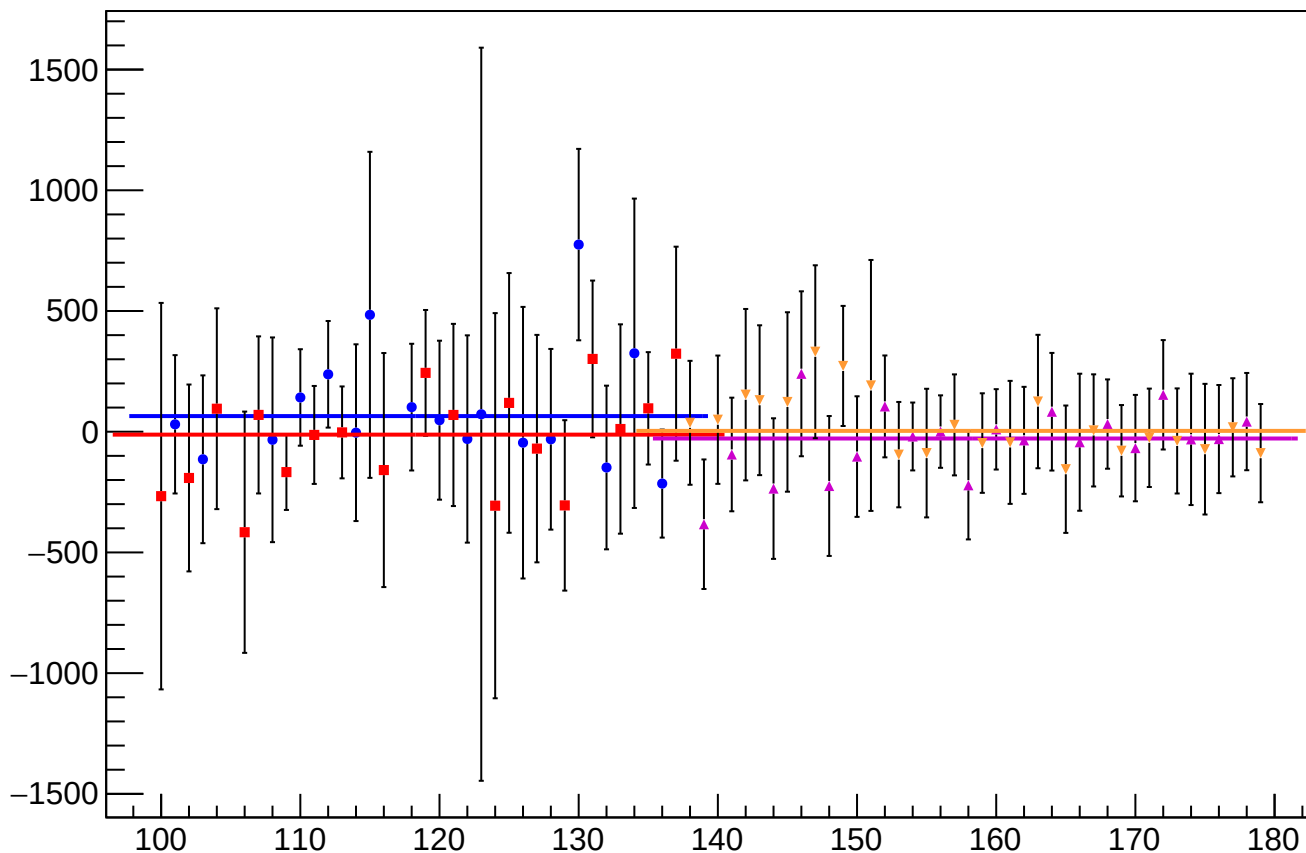
Left In: 180.567 ± 0.034 $\chi^2/\text{NDF}: 1564511.9/19$

+ sign 203.847 ± 0.031 $\chi^2/\text{NDF}: 2382796.2/38$

All: 189.754 ± 0.021 $\chi^2/\text{NDF}: 5904230.2/77$

- sign 178.182 ± 0.028 $\chi^2/\text{NDF}: 3147124.9/38$

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 3.449 ± 52.662 χ^2/NDF : 4.2/21

Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

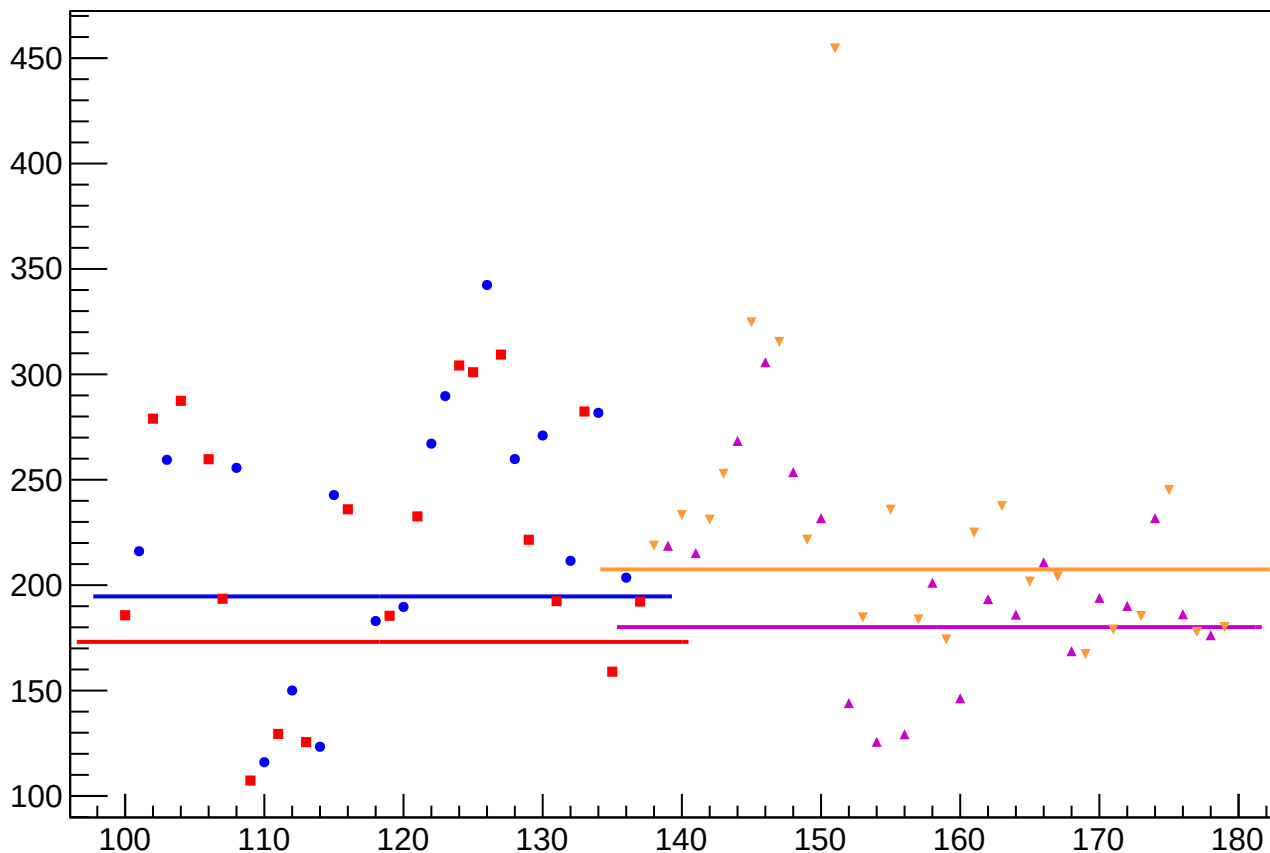
Left In: -28.138 ± 48.183 χ^2/NDF : 5.8/19

+ sign 22.171 ± 43.886 χ^2/NDF : 11.6/38

All: -2.649 ± 29.464 χ^2/NDF : 23.9/77

- sign -23.016 ± 39.755 χ^2/NDF : 11.7/38

asym_bcm_an_us_rms vs Slug



Right In: 194.652 ± 0.056 χ^2/NDF : 986798.9/16

Left Out: 207.468 ± 0.037 χ^2/NDF : 1336930.0/21

Right Out: 173.089 ± 0.050 χ^2/NDF : 1544540.9/18

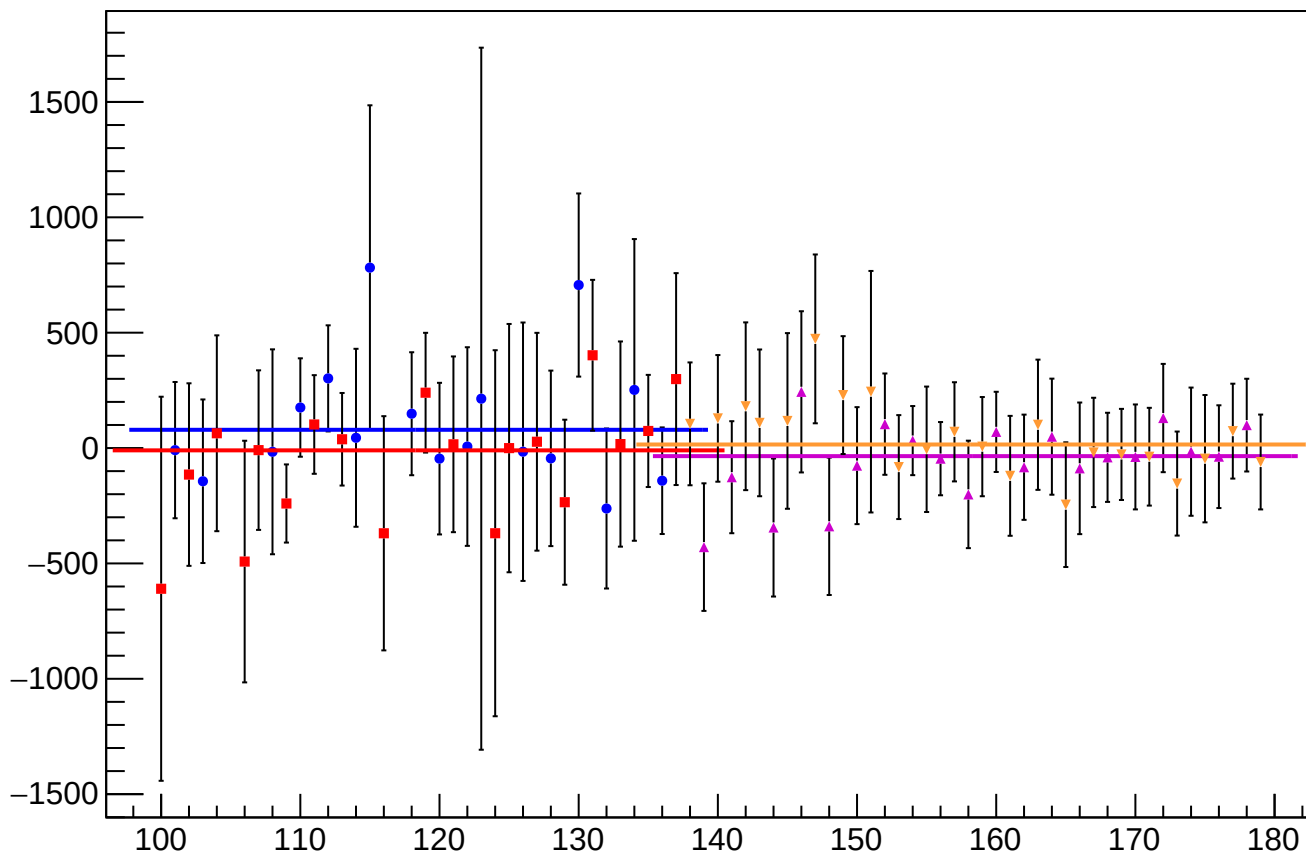
Left In: 180.105 ± 0.034 χ^2/NDF : 1567933.0/19

+ sign 203.552 ± 0.031 χ^2/NDF : 2359917.7/38

All: 189.443 ± 0.021 χ^2/NDF : 5862278.7/77

- sign 177.865 ± 0.028 χ^2/NDF : 3126013.6/38

asym_bcm_dg_us_mean vs Slug



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 15.415+/-54.100 χ^2/NDF : 5.6/21

Right Out: -9.982+/-73.310 χ^2/NDF : 7.9/18

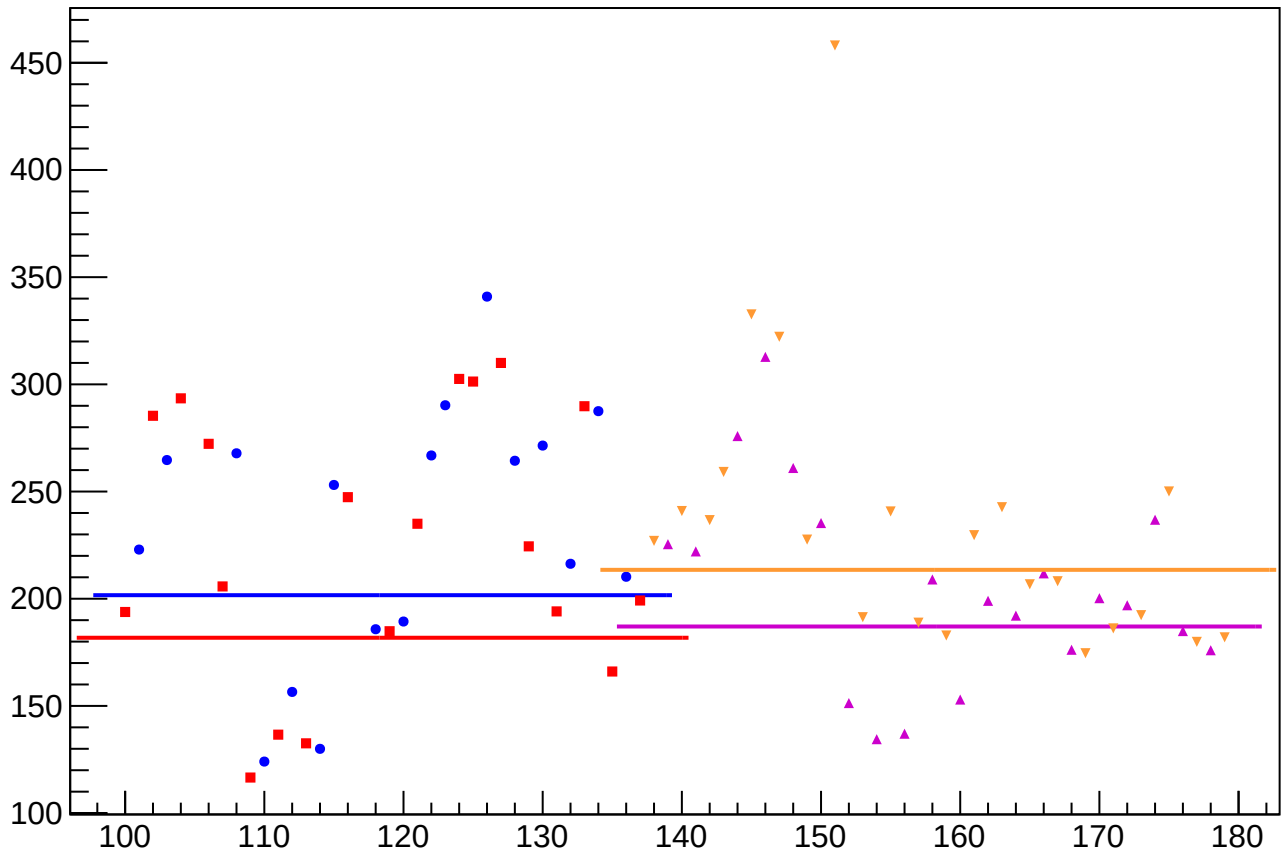
Left In: -35.027+/-49.851 χ^2/NDF : 7.6/19

+ sign 34.779+/-45.137 χ^2/NDF : 13.6/38

All: 1.037+/-30.439 χ^2/NDF : 30.1/77

- sign -27.108+/-41.223 χ^2/NDF : 15.5/38

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 213.478 $\pm$ 0.038 χ^2 /NDF:1291598.2/21

Right Out: 181.797 $\pm$ 0.052 χ^2 /NDF: 1377449.9/18

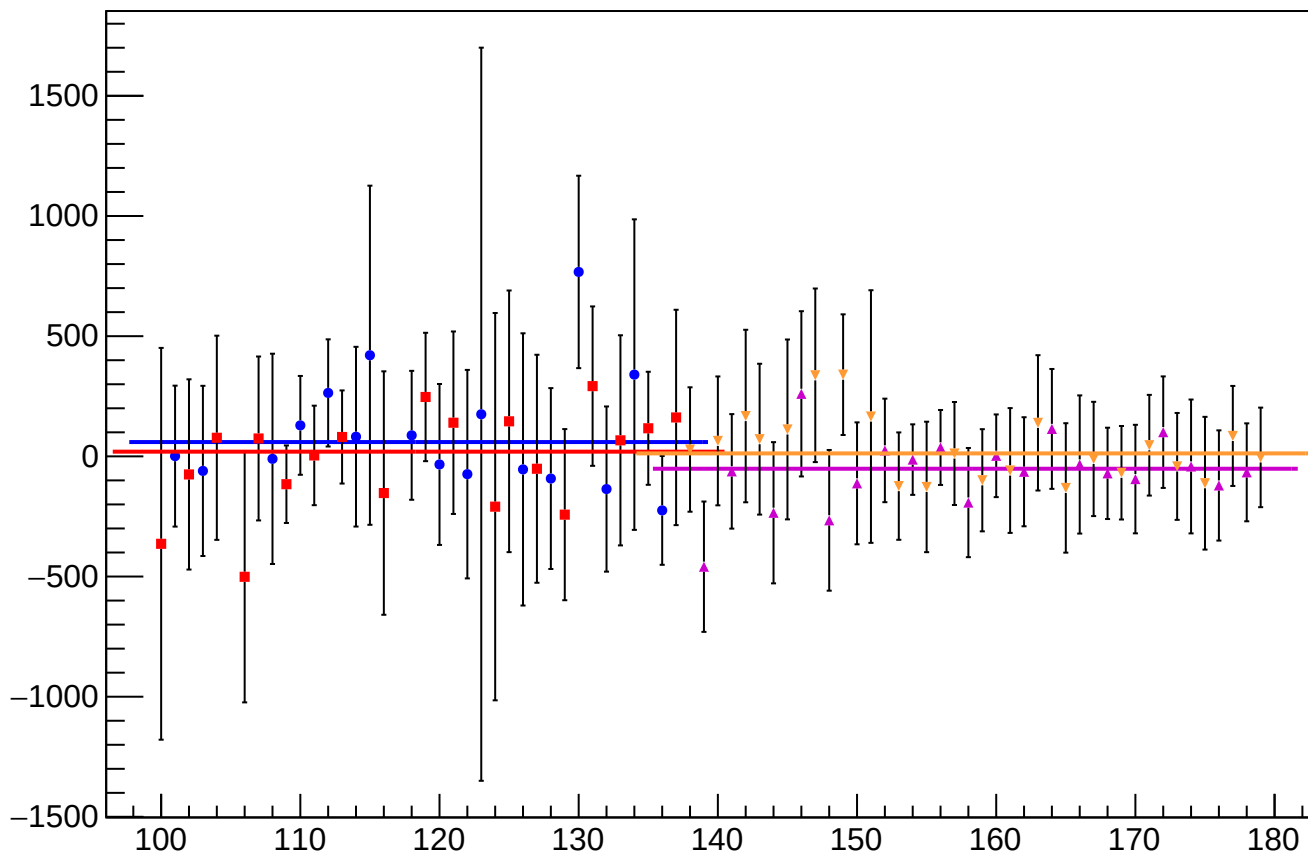
Left In: 187.045 $\pm$ 0.035 χ^2 /NDF:1412947.0/19

+ sign 209.885 $\pm$ 0.032 χ^2 /NDF: 2203813.5/38

All: 196.527 $\pm$ 0.022 χ^2 /NDF: 5322470.7/77

- sign 185.386 $\pm$ 0.029 χ^2 /NDF: 2797403.8/38

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 $\pm$ 80.808 χ^2 /NDF: 7.0/16

Left Out: 12.312 $\pm$ 53.720 χ^2 /NDF: 5.0/21

Right Out: 19.541 $\pm$ 71.866 χ^2 /NDF: 4.7/18

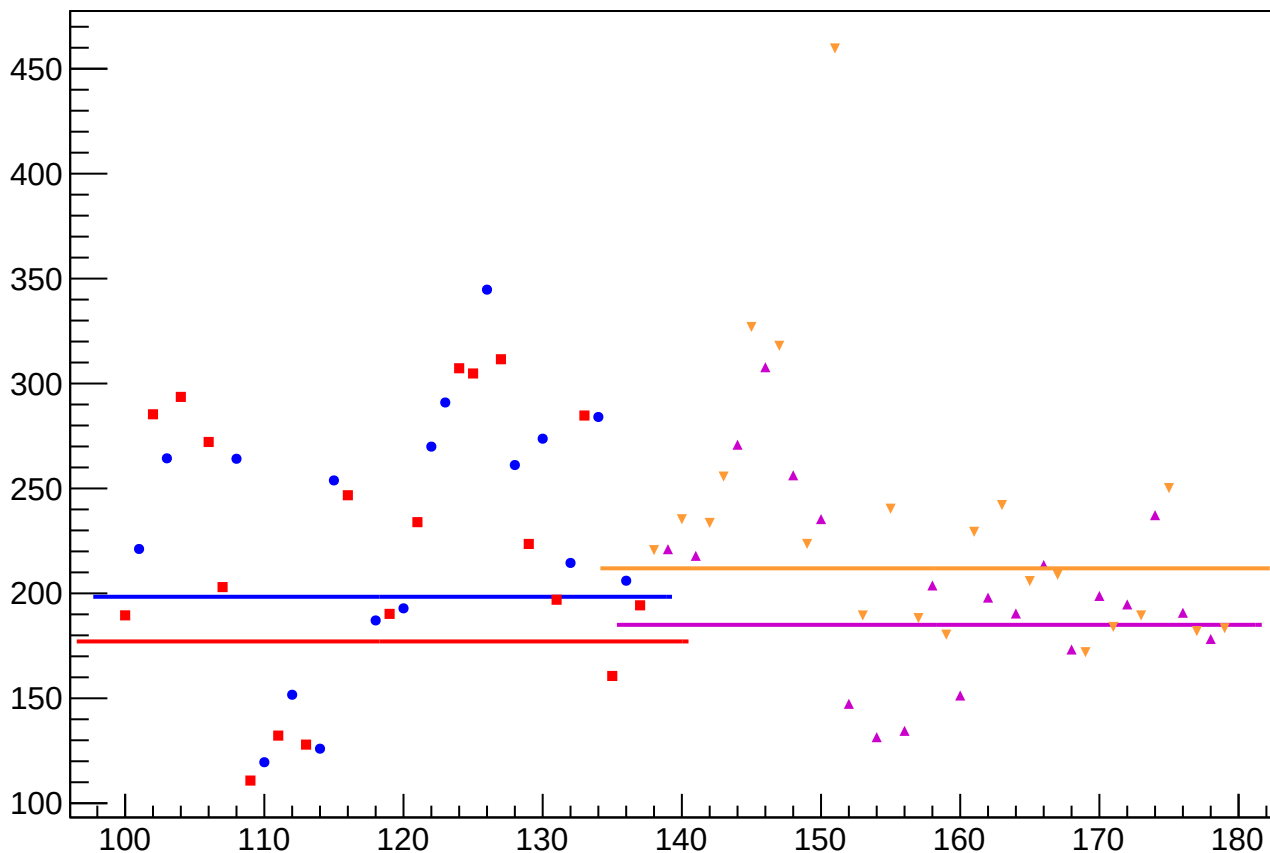
Left In: -51.518 $\pm$ 49.367 χ^2 /NDF: 6.1/19

+ sign 26.774 $\pm$ 44.737 χ^2 /NDF: 12.3/38

All: -3.605 $\pm$ 30.102 χ^2 /NDF: 24.6/77

- sign -28.737 $\pm$ 40.691 χ^2 /NDF: 11.5/38

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 ± 0.057 χ^2/NDF : 963672.6/16

Left Out: 211.935 ± 0.038 χ^2/NDF : 1275887.9/21

Right Out: 177.096 ± 0.051 χ^2/NDF : 1524763.6/18

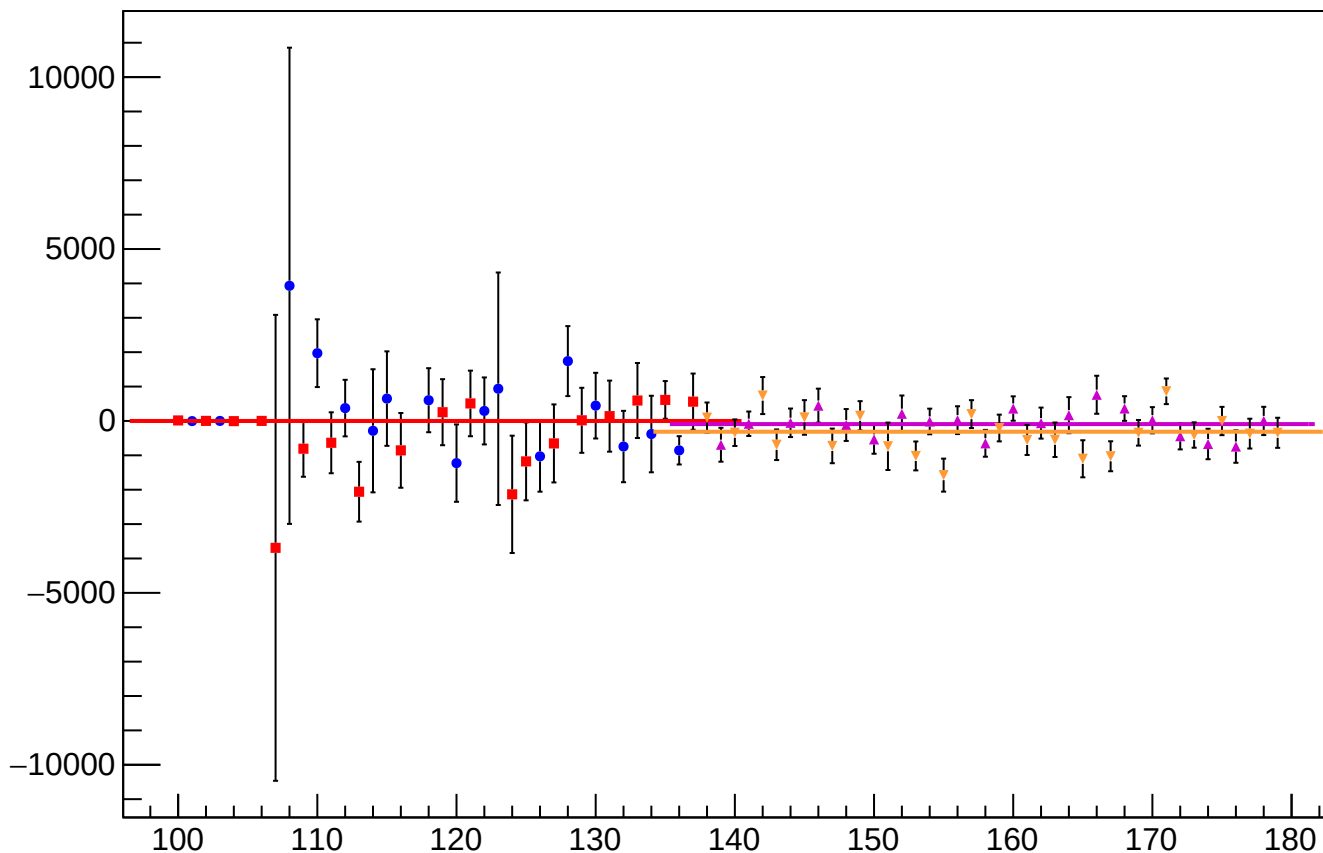
Left In: 185.011 ± 0.035 χ^2/NDF : 1443886.3/19

+ sign 207.780 ± 0.032 χ^2/NDF : 2278599.7/38

All: 193.931 ± 0.021 χ^2/NDF : 5613962.8/77

- sign 182.474 ± 0.029 χ^2/NDF : 2985133.3/38

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -313.821 ± 93.386 χ^2/NDF : 35.7/21

Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

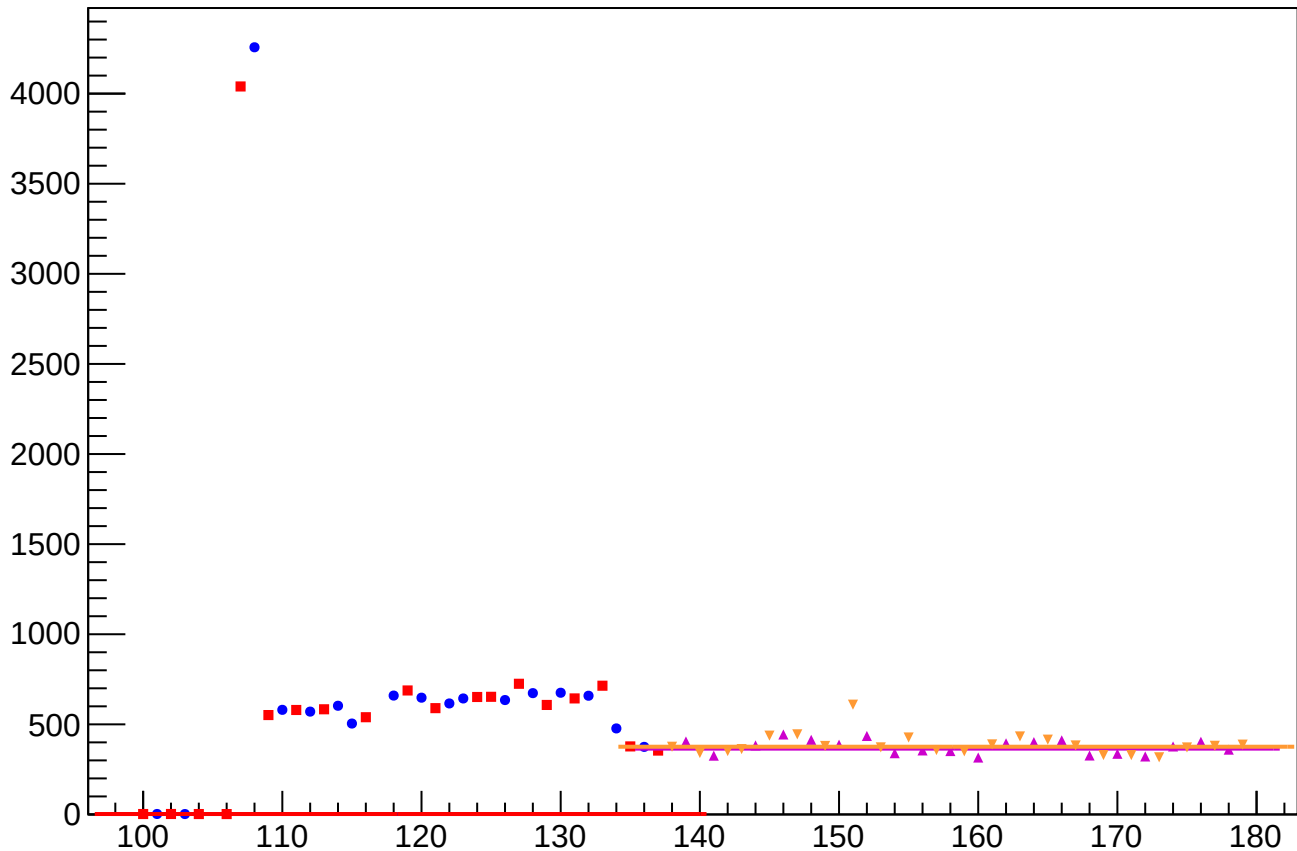
Left In: -91.550 ± 94.301 χ^2/NDF : 16.8/19

+ sign -1.711 ± 2.251 χ^2/NDF : 63.8/38

All: -1.211 ± 1.540 χ^2/NDF : 100.9/77

- sign -0.772 ± 2.111 χ^2/NDF : 37.0/38

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 375.862+/-0.066 χ^2/NDF : 507159.4/21

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

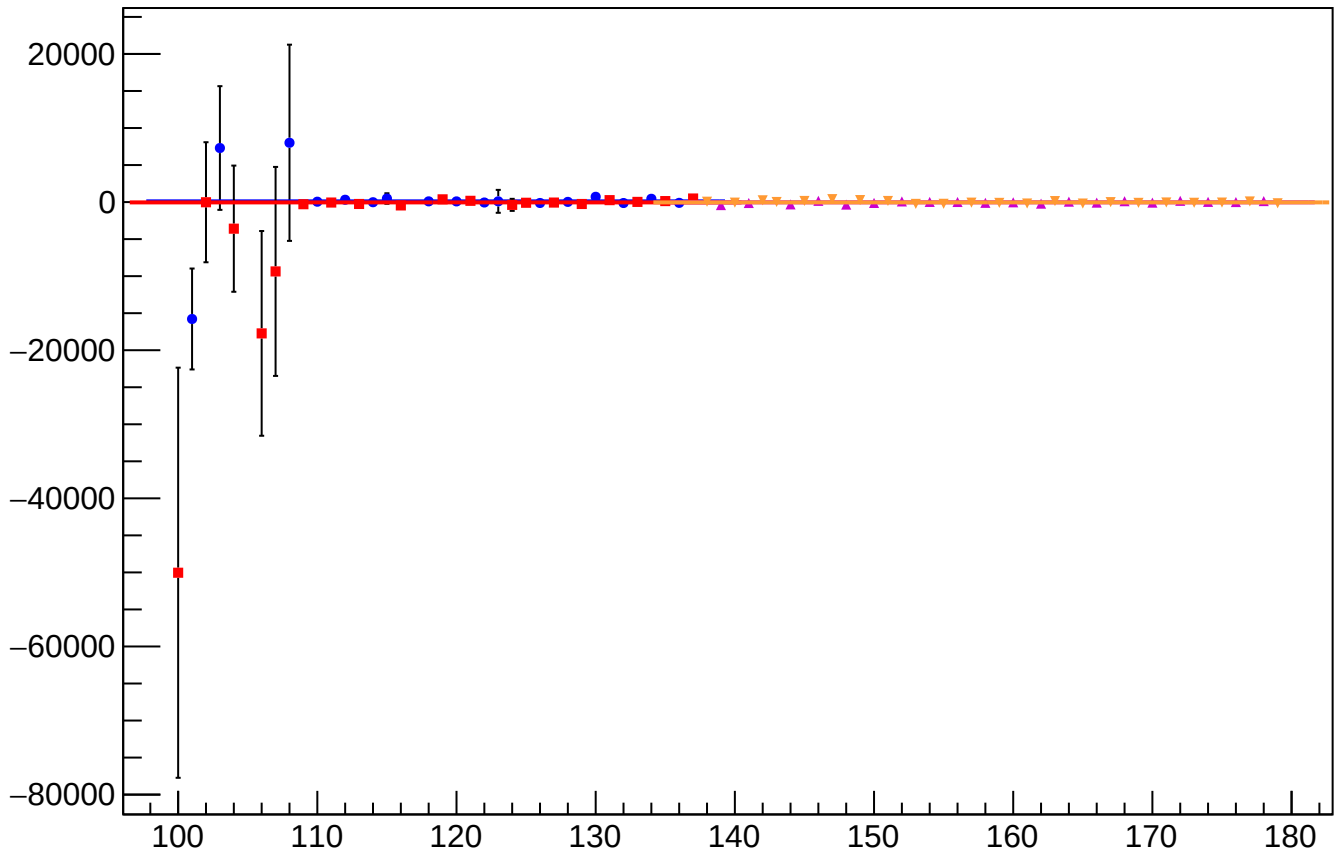
Left In: 365.283+/-0.067 χ^2/NDF : 311527.4/19

+ sign 2.674+/-0.002 χ^2/NDF : 43312797.4/38

All: 2.644+/-0.001 χ^2/NDF : 84367656.4/77

- sign 2.618+/-0.001 χ^2/NDF : 41054221.8/38

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: -40.378+/-54.698 χ^2/NDF : 7.0/21

Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

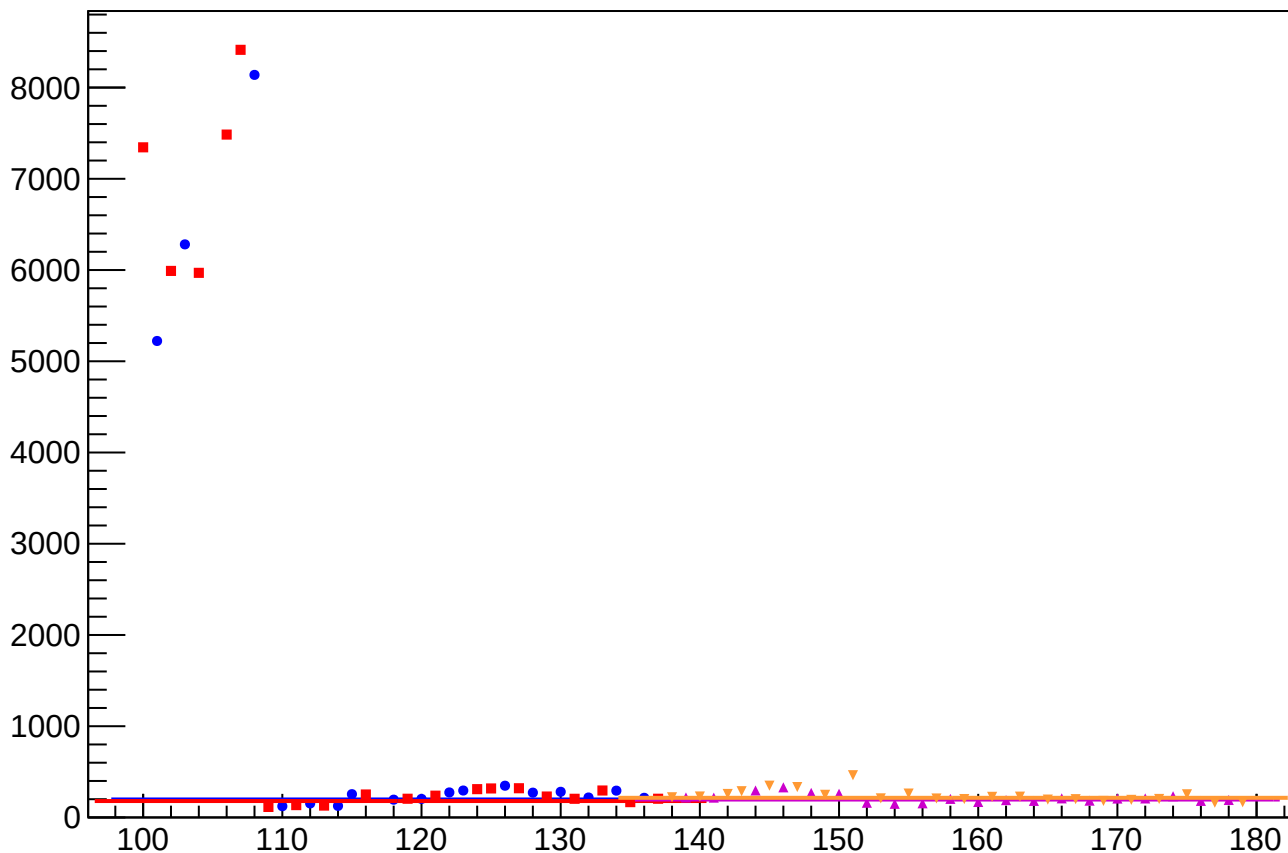
Left In: -29.350+/-52.019 χ^2/NDF : 7.5/19

+ sign -3.397+/-46.862 χ^2/NDF : 20.6/38

All: -18.983+/-32.191 χ^2/NDF : 42.2/77

- sign -32.910+/-44.297 χ^2/NDF : 21.4/38

asym_cav4cQ_rms vs Slug



Right In: 197.086 $\pm$ 0.064 χ^2 /NDF: 3693614.0/16

Left Out: 215.255 $\pm$ 0.039 χ^2 /NDF: 1511279.6/21

Right Out: 179.949 $\pm$ 0.060 χ^2 /NDF: 4321173.8/18

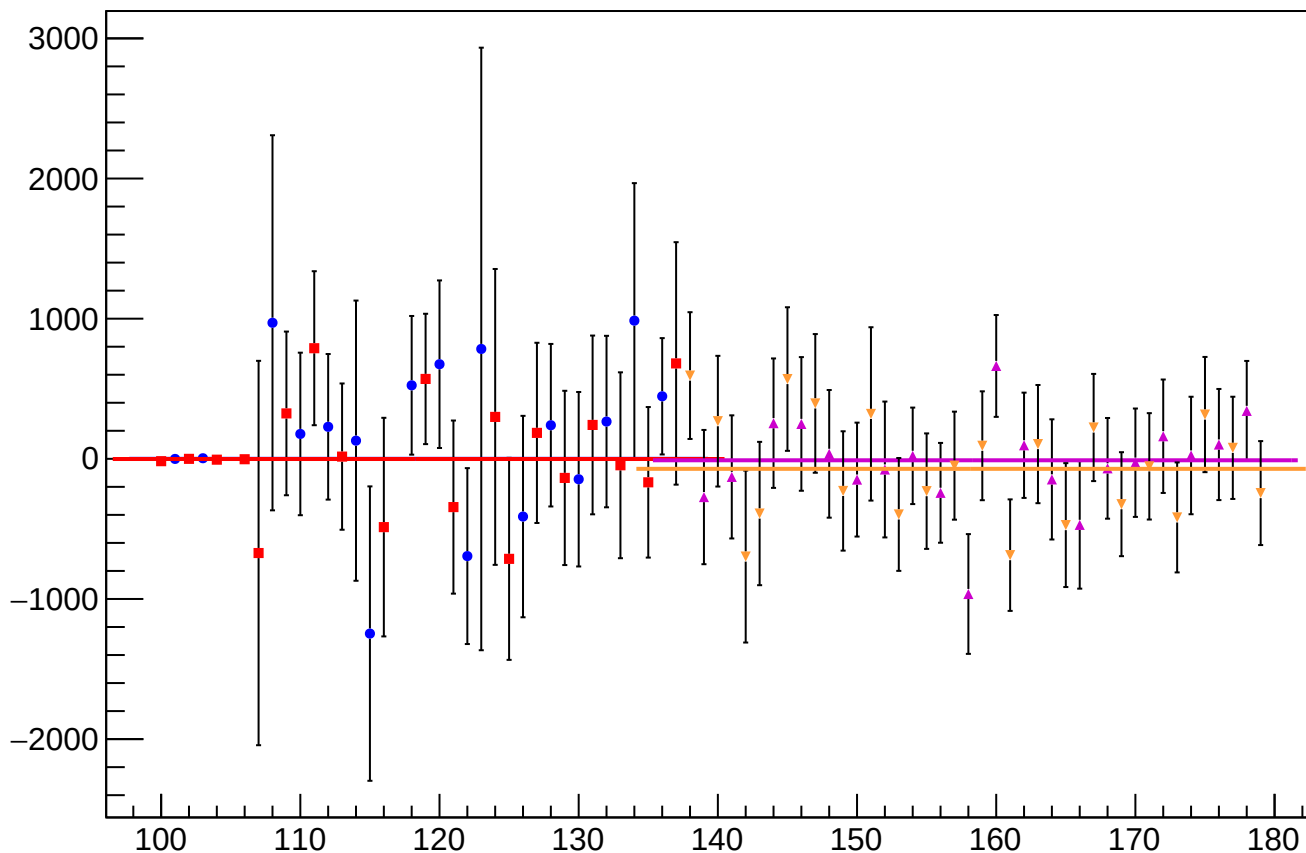
Left In: 196.322 $\pm$ 0.037 χ^2 /NDF: 1124909.0/19

+ sign 210.422 $\pm$ 0.033 χ^2 /NDF: 5263597.6/38

All: 200.599 $\pm$ 0.023 χ^2 /NDF: 10930525.0/77

- sign 191.822 $\pm$ 0.031 χ^2 /NDF: 5500539.6/38

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: -71.451 ± 90.269 χ^2/NDF : 14.6/21

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

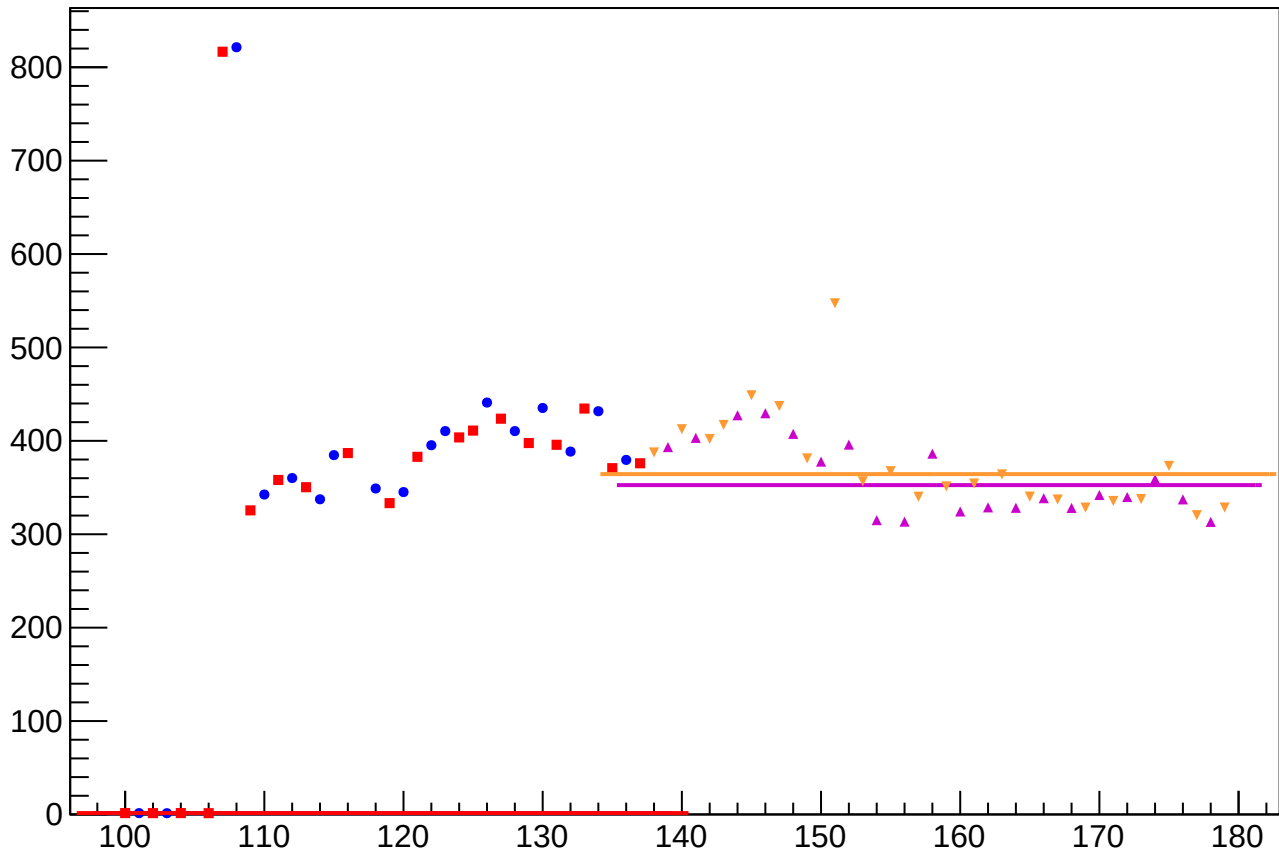
Left In: -10.408 ± 90.927 χ^2/NDF : 12.5/19

+ sign -0.164 ± 1.736 χ^2/NDF : 25.0/38

All: -0.785 ± 1.185 χ^2/NDF : 47.3/77

- sign -1.326 ± 1.622 χ^2/NDF : 22.1/38

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 364.385+/-0.064 χ^2/NDF : 447333.6/21

Right Out: 1.451+/-0.001 χ^2/NDF : 10880737.7/18

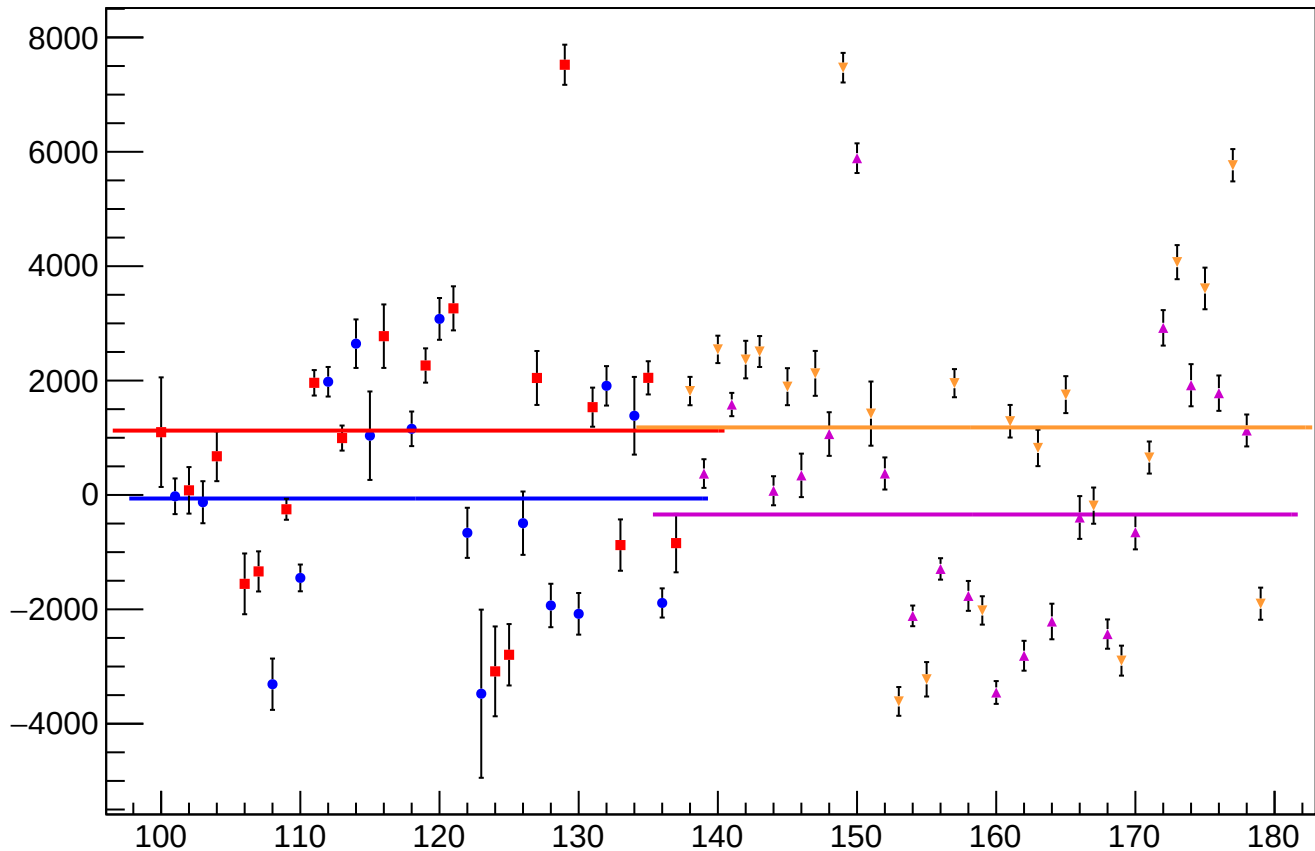
Left In: 352.611+/-0.064 χ^2/NDF : 327520.5/19

+ sign 1.587+/-0.001 χ^2/NDF : 43722982.6/38

All: 1.574+/-0.001 χ^2/NDF : 84752363.2/77

- sign 1.563+/-0.001 χ^2/NDF : 41029172.2/38

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 1181.081 ± 61.617 χ^2/NDF : 2222.1/21

Right Out: 1125.437 ± 78.370 χ^2/NDF : 671.2/18

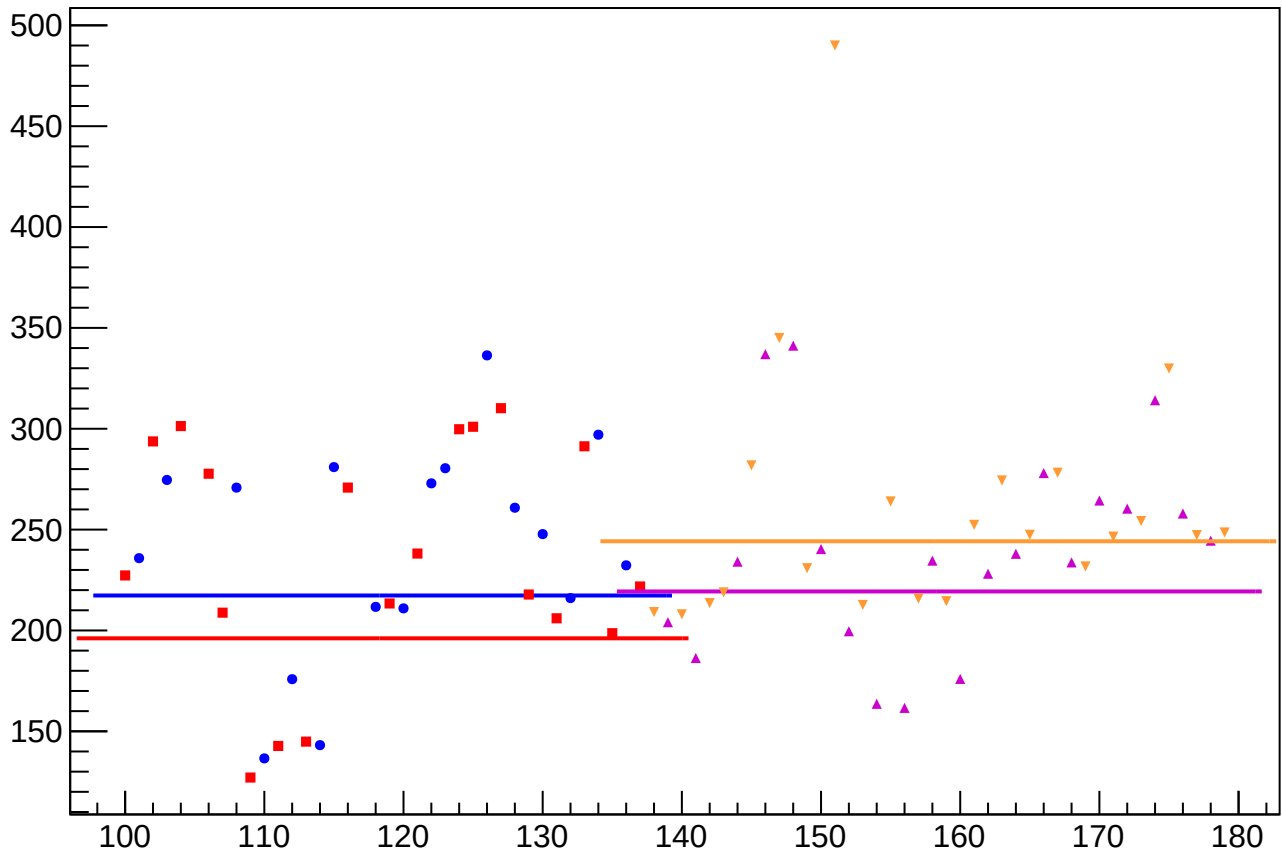
Left In: -341.450 ± 58.194 χ^2/NDF : 1511.6/19

+ sign 768.459 ± 50.365 χ^2/NDF : 2791.2/38

All: 452.134 ± 34.253 χ^2/NDF : 5273.2/77

- sign 179.914 ± 46.722 χ^2/NDF : 2408.6/38

asym_bcm0l02_rms vs Slug



Right In: 217.330 $\pm$ 0.062 χ^2 /NDF: 652722.5/16

Left Out: 244.214 $\pm$ 0.044 χ^2 /NDF: 925526.4/21

Right Out: 196.105 $\pm$ 0.055 χ^2 /NDF: 1190733.6/18

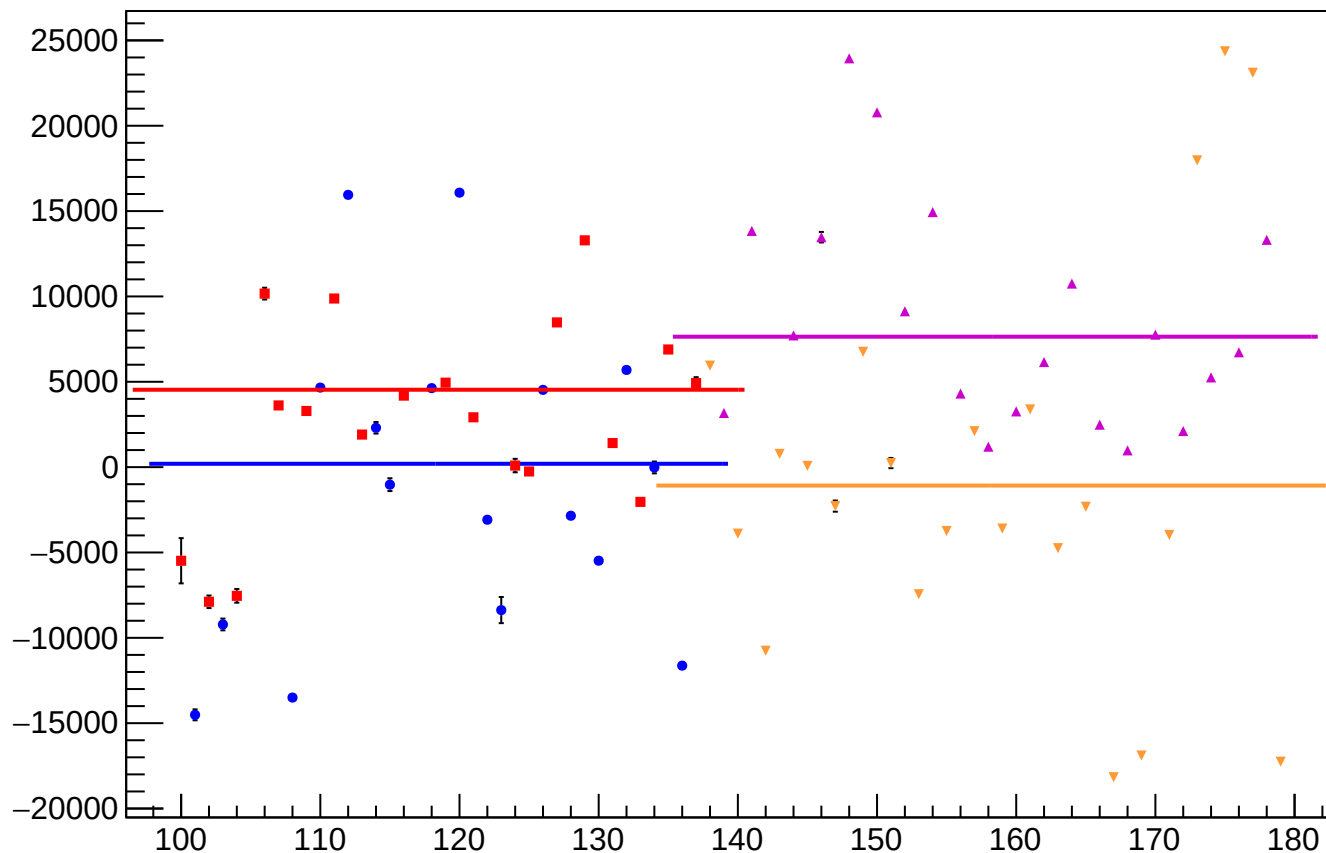
Left In: 219.339 $\pm$ 0.041 χ^2 /NDF: 1291479.6/19

+ sign 235.292 $\pm$ 0.036 χ^2 /NDF: 1704610.6/38

All: 222.279 $\pm$ 0.024 χ^2 /NDF: 4548518.3/77

- sign 211.081 $\pm$ 0.033 χ^2 /NDF: 2595514.8/38

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 $\pm$ 54.799 χ^2 /NDF: 30658.3/16

Left Out: -1079.039 $\pm$ 43.777 χ^2 /NDF:56246.0/21

Right Out: 4534.200 $\pm$ 52.462 χ^2 /NDF: 7477.2/18

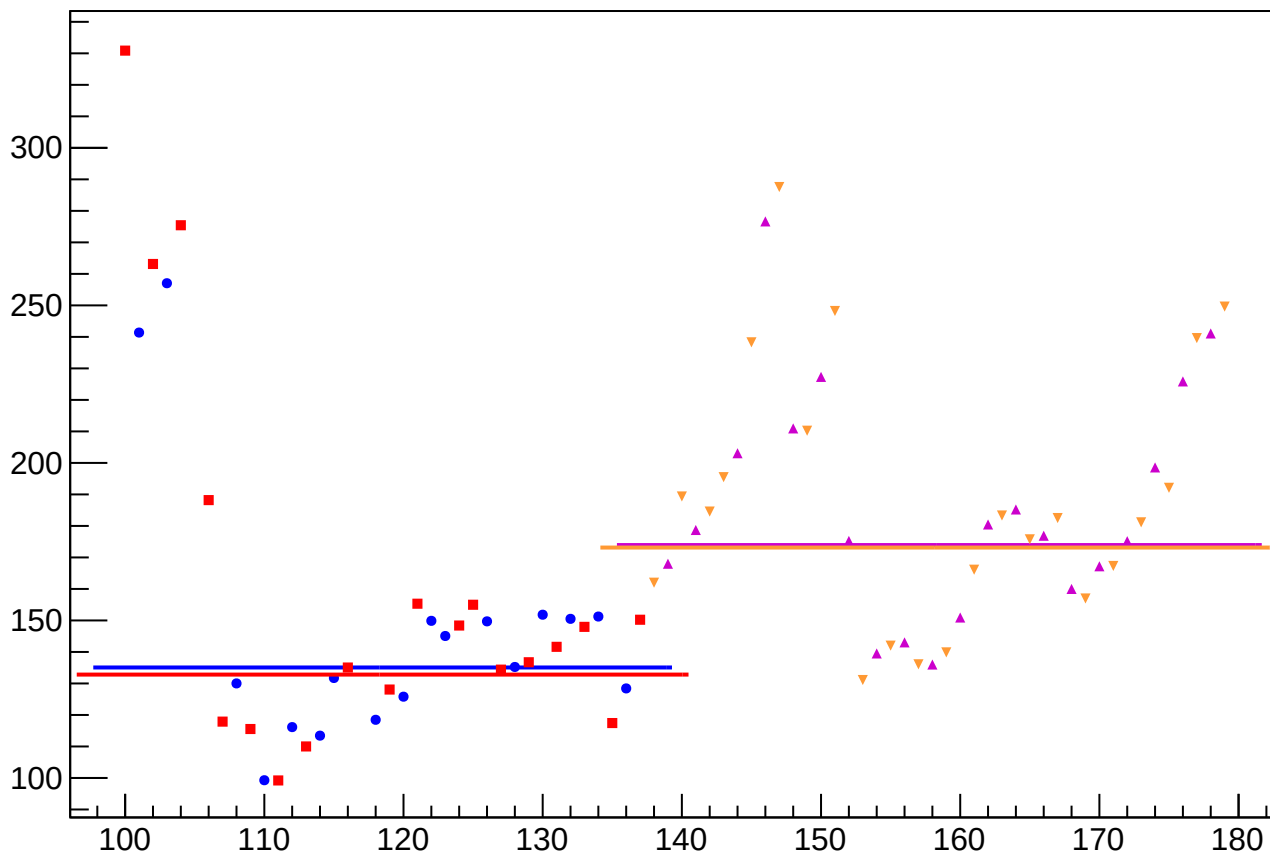
Left In: 7641.492 $\pm$ 45.723 χ^2 /NDF:17736.2/19

+ sign -581.928 $\pm$ 34.203 χ^2 /NDF: 87235.3/38

All: 2832.420 $\pm$ 24.279 χ^2 /NDF: 134528.7/77

- sign 6300.104 $\pm$ 34.469 χ^2 /NDF: 27207.1/38

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 173.137 $\pm$ 0.031 χ^2 /NDF:1332023.5/21

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

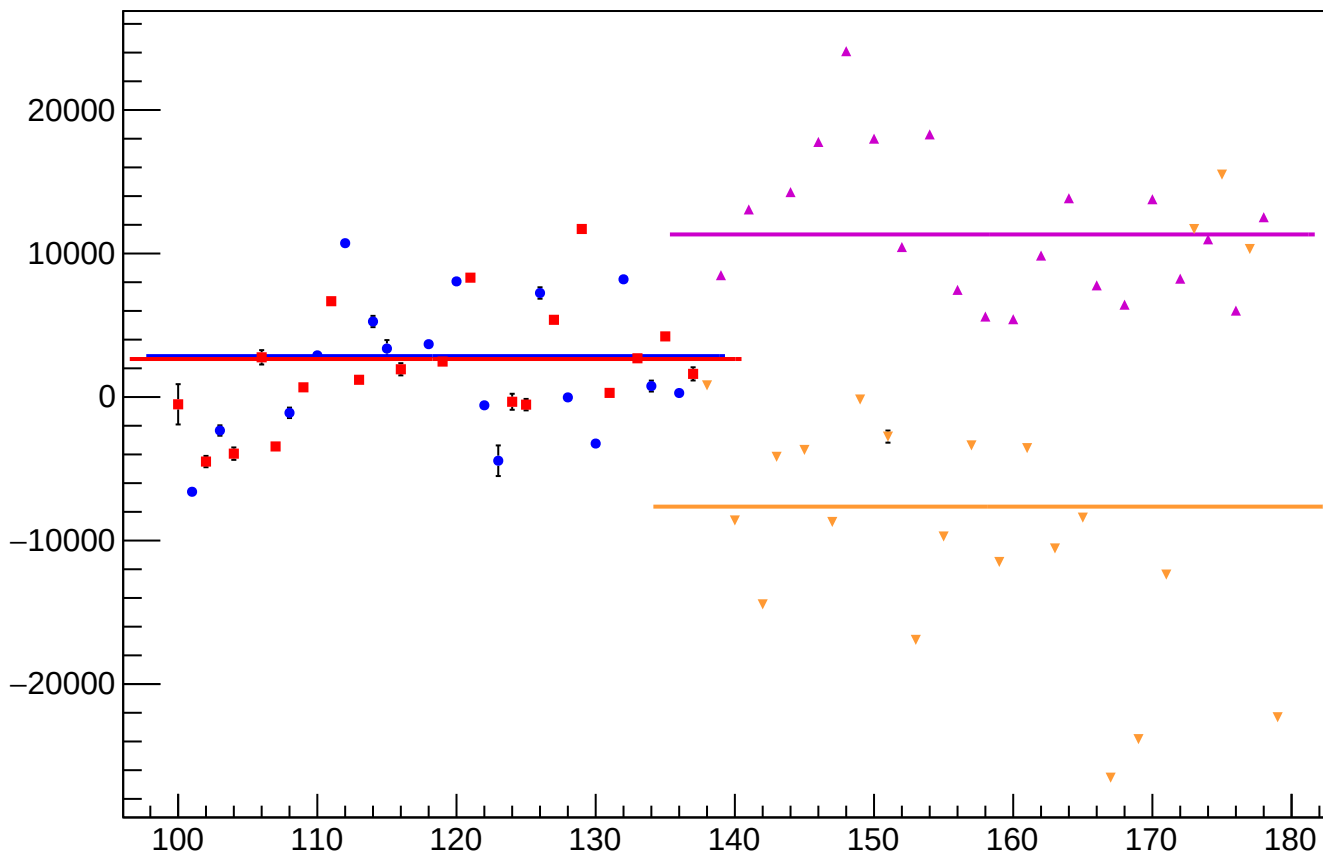
Left In: 173.928 $\pm$ 0.032 χ^2 /NDF:977401.3/19

+ sign 158.308 $\pm$ 0.024 χ^2 /NDF: 2579821.6/38

All: 157.252 $\pm$ 0.017 χ^2 /NDF: 5090263.5/77

- sign 156.180 $\pm$ 0.024 χ^2 /NDF: 2506602.6/38

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -7636.273 $\pm$ 48.312 χ^2 /NDF:49025.2/21

Right Out: 2649.142 $\pm$ 65.731 χ^2 /NDF: 3175.7/18

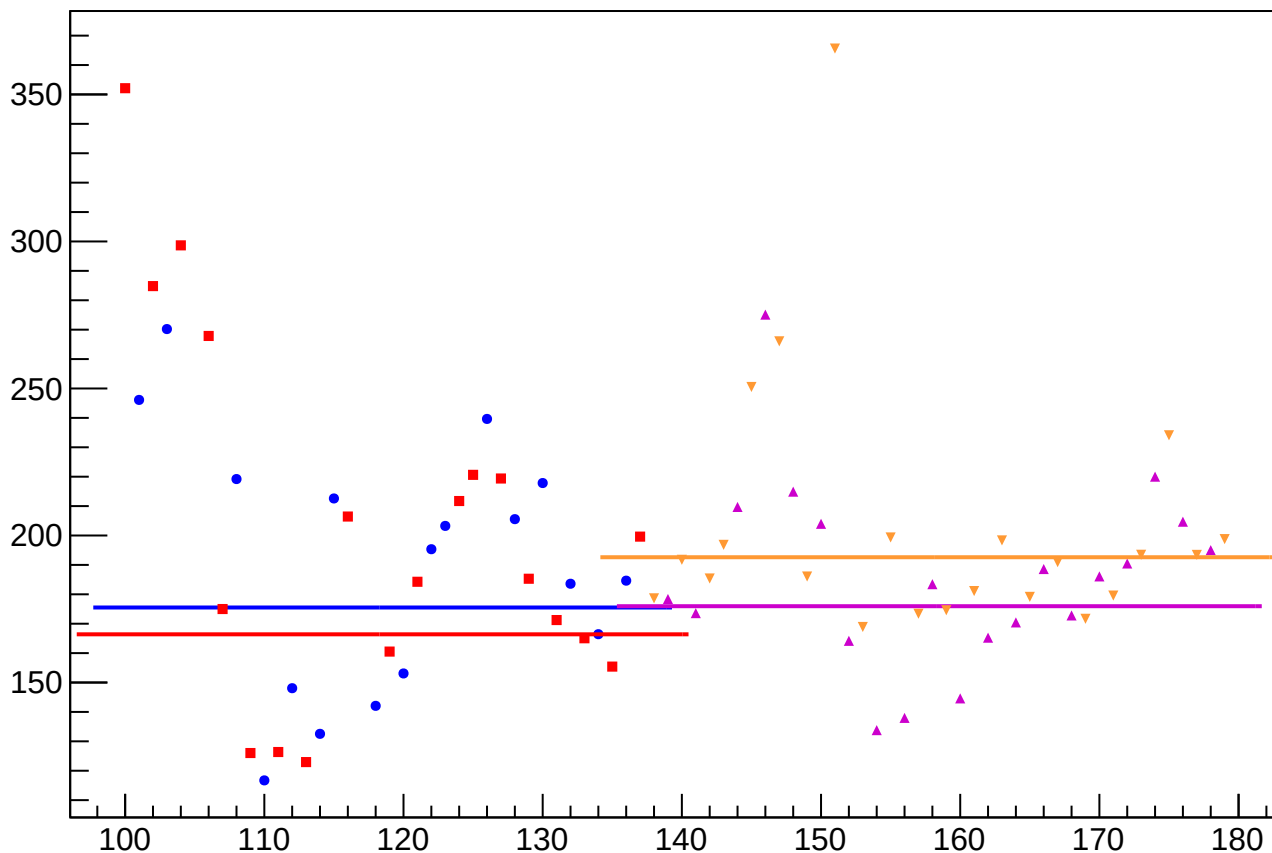
Left In: 11329.195 $\pm$ 46.225 χ^2 /NDF:11325.5/19

+ sign -4301.355 $\pm$ 39.898 χ^2 /NDF: 68188.6/38

All: 2420.106 $\pm$ 27.445 χ^2 /NDF: 148229.0/77

- sign 8456.914 $\pm$ 37.811 χ^2 /NDF: 26169.1/38

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 ± 0.050 χ^2/NDF : 689642.3/16

Left Out: 192.607 ± 0.034 χ^2/NDF : 712704.7/21

Right Out: 166.393 ± 0.046 χ^2/NDF : 929534.5/18

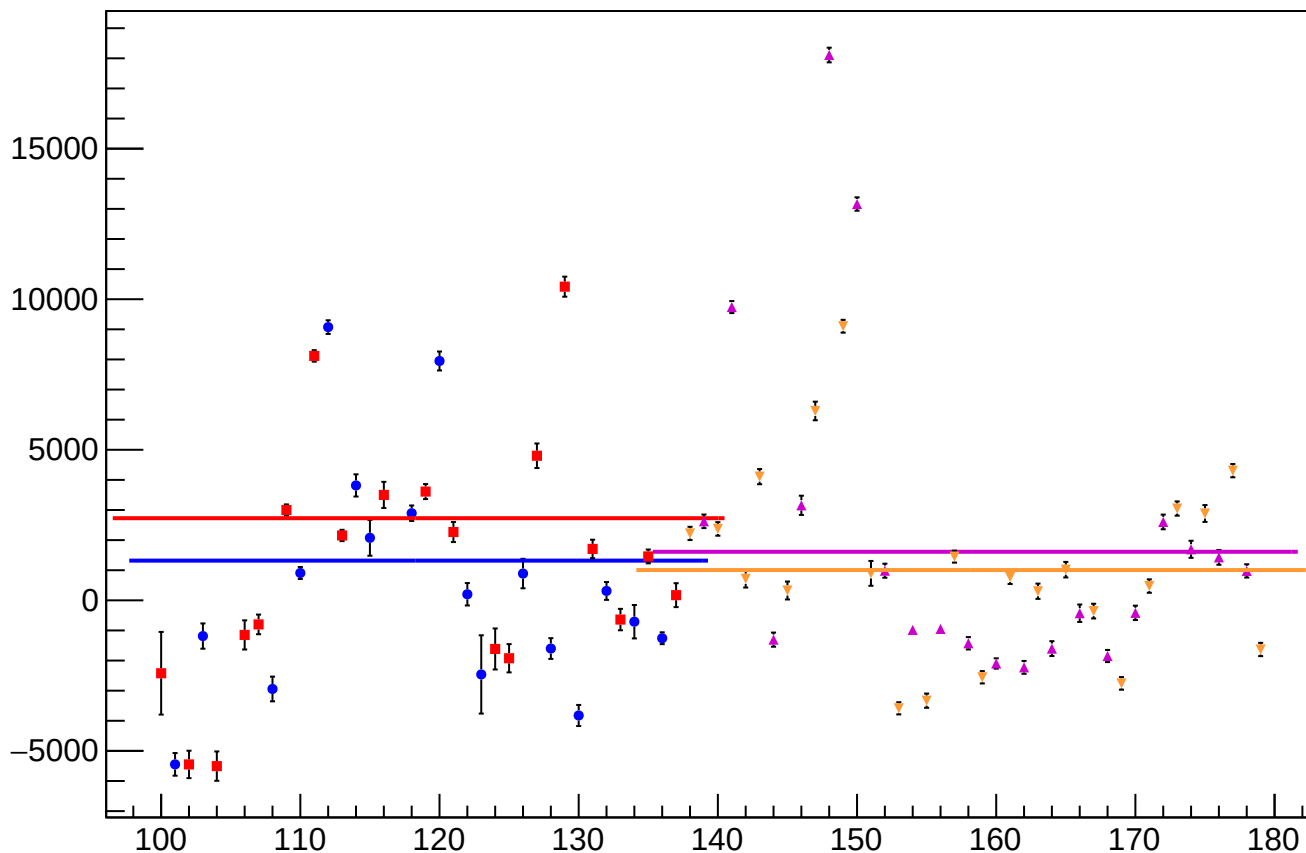
Left In: 175.955 ± 0.033 χ^2/NDF : 822884.2/19

+ sign 187.172 ± 0.028 χ^2/NDF : 1481954.9/38

All: 179.596 ± 0.019 χ^2/NDF : 3399584.0/77

- sign 172.791 ± 0.027 χ^2/NDF : 1780740.2/38

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1005.570+/-50.712 χ^2/NDF : 3970.3/21

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

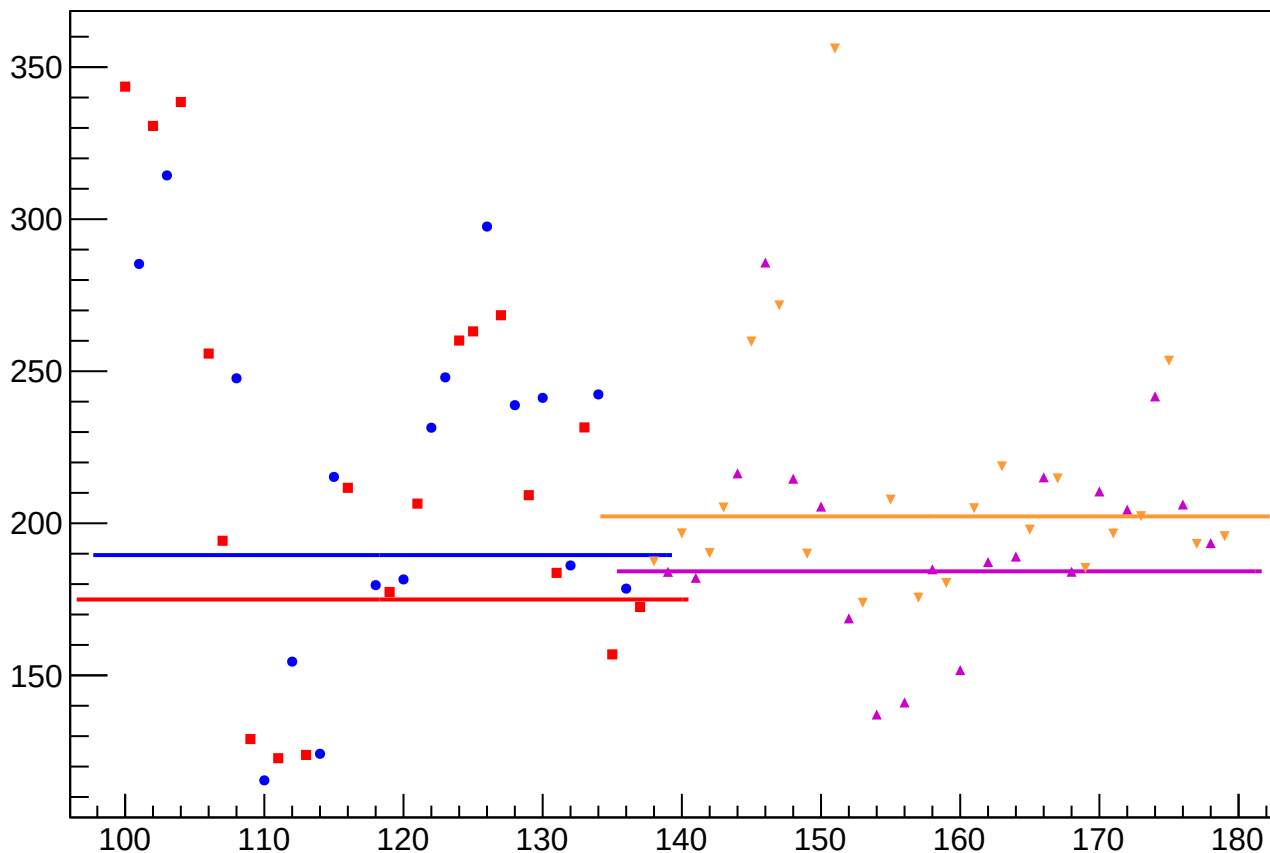
Left In: 1612.533+/-48.463 χ^2/NDF : 11312.3/19

+ sign 1100.144+/-42.376 χ^2/NDF : 6648.9/38

All: 1563.717+/-29.030 χ^2/NDF : 20854.1/77

- sign 1973.689+/-39.851 χ^2/NDF : 13979.7/38

asym_bpm0i05WS_rms vs Slug



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 202.261+/-0.036 χ^2/NDF : 674679.9/21

Right Out: 174.944+/-0.050 χ^2/NDF : 1297106.6/18

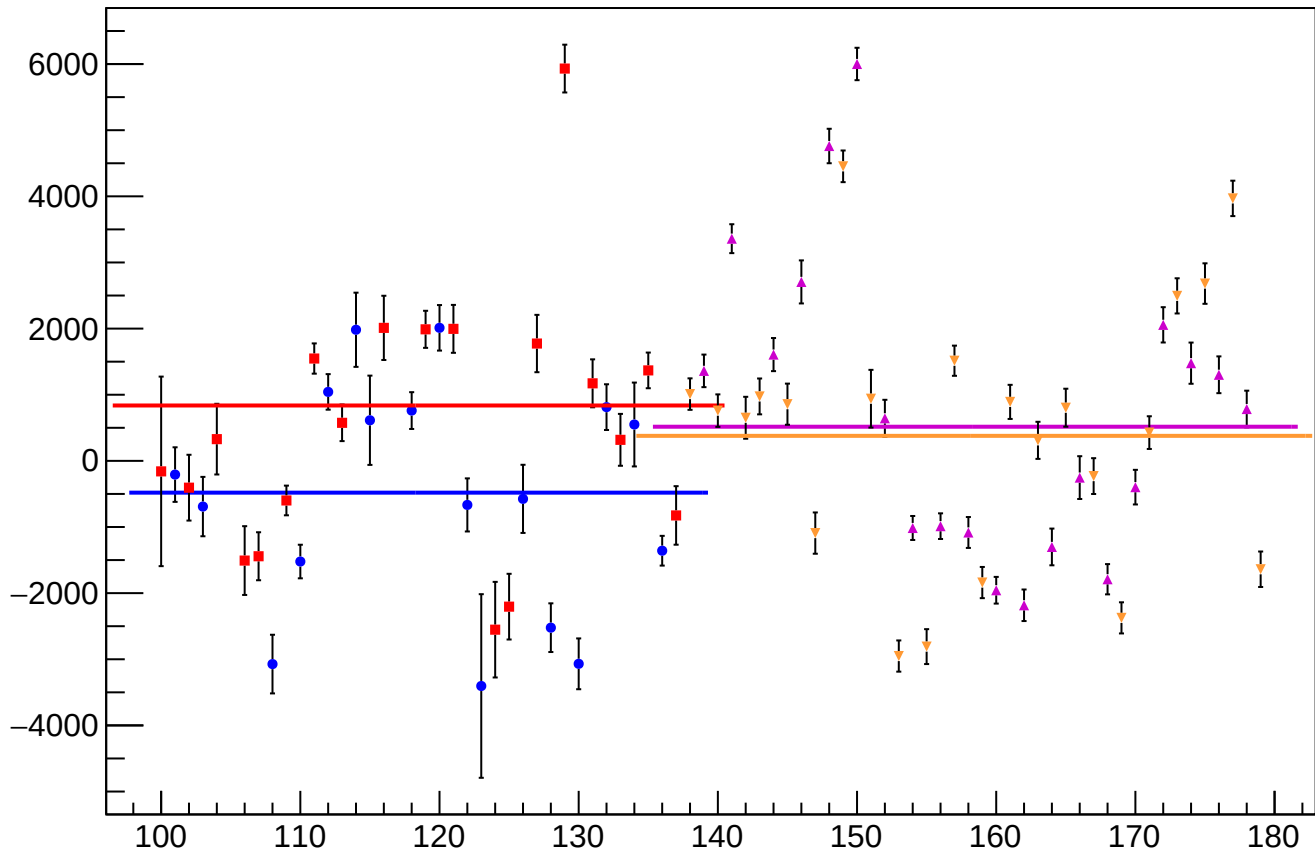
Left In: 184.200+/-0.034 χ^2/NDF : 867643.5/19

+ sign 198.424+/-0.030 χ^2/NDF : 1693372.6/38

All: 189.285+/-0.021 χ^2/NDF : 4057045.5/77

- sign 181.203+/-0.028 χ^2/NDF : 2188378.3/38

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 378.387 ± 56.693 χ^2/NDF : 1293.7/21

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

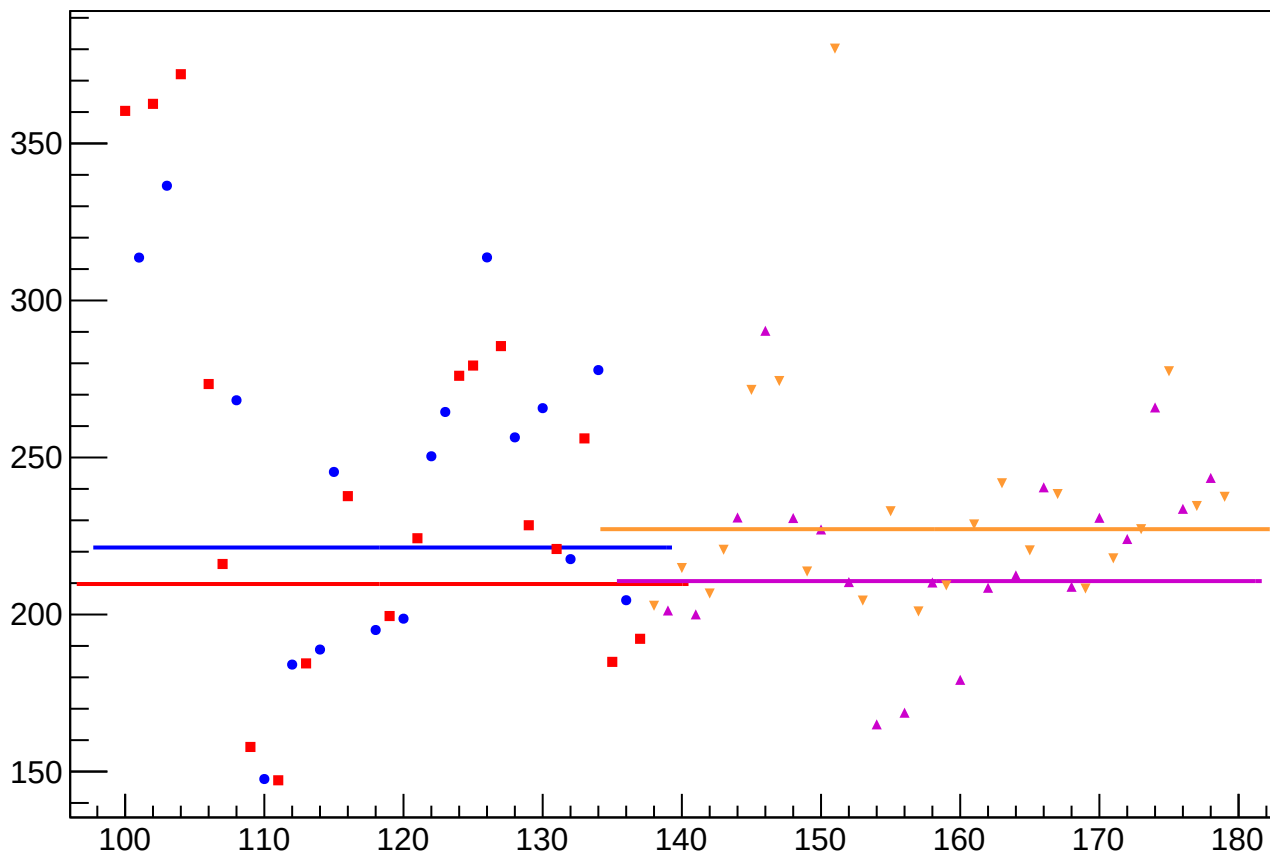
Left In: 516.322 ± 54.969 χ^2/NDF : 1682.9/19

+ sign 129.018 ± 47.760 χ^2/NDF : 1651.0/38

All: 382.960 ± 33.019 χ^2/NDF : 3833.9/77

- sign 615.479 ± 45.701 χ^2/NDF : 2128.7/38

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 227.180 $\pm$ 0.040 χ^2 /NDF: 515843.3/21

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

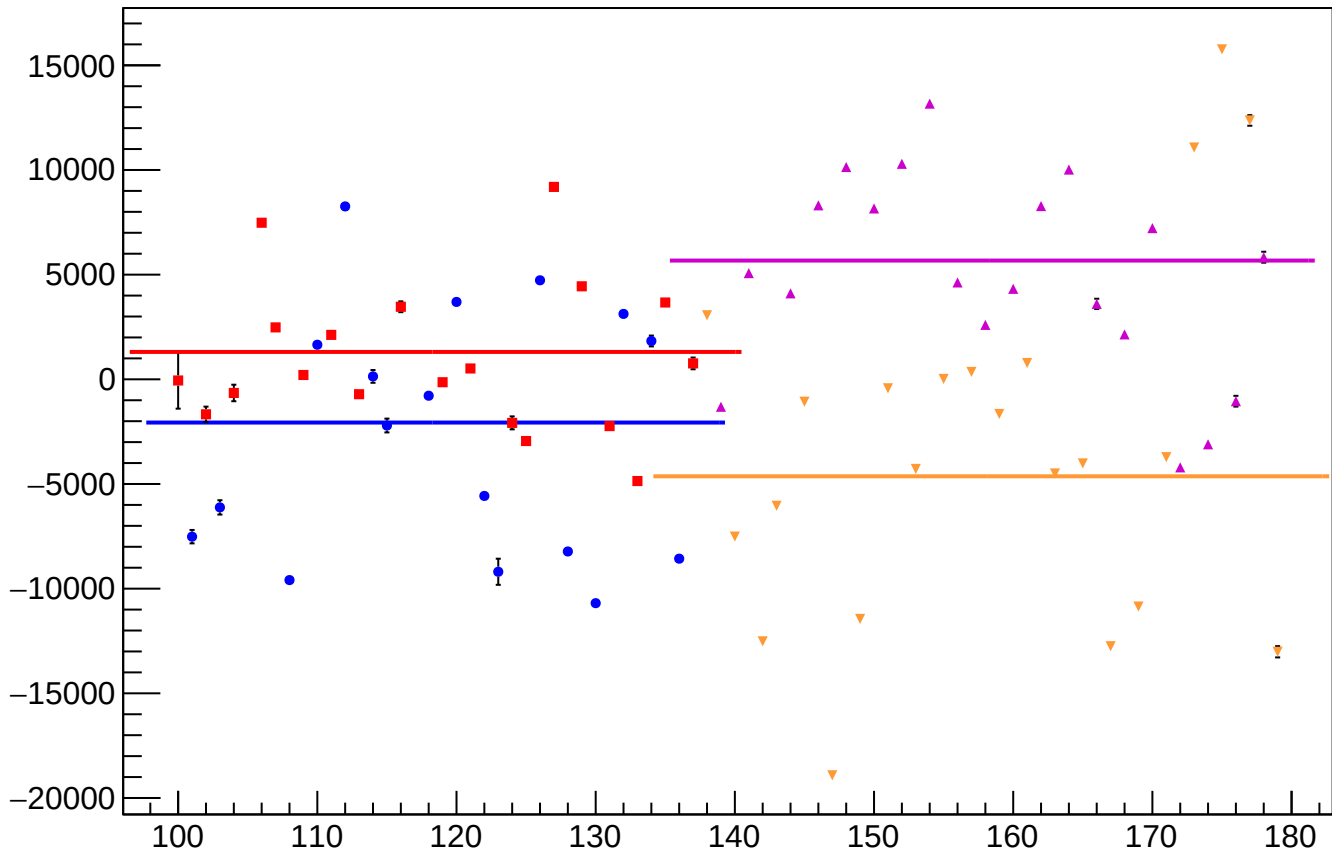
Left In: 210.646 $\pm$ 0.039 χ^2 /NDF: 569089.0/19

+ sign 225.486 $\pm$ 0.034 χ^2 /NDF: 1167689.0/38

All: 217.589 $\pm$ 0.023 χ^2 /NDF: 2725598.5/77

- sign 210.359 $\pm$ 0.032 χ^2 /NDF: 1453183.3/38

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -4633.415 ± 34.509 $\chi^2/\text{NDF}: 50432.1/21$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

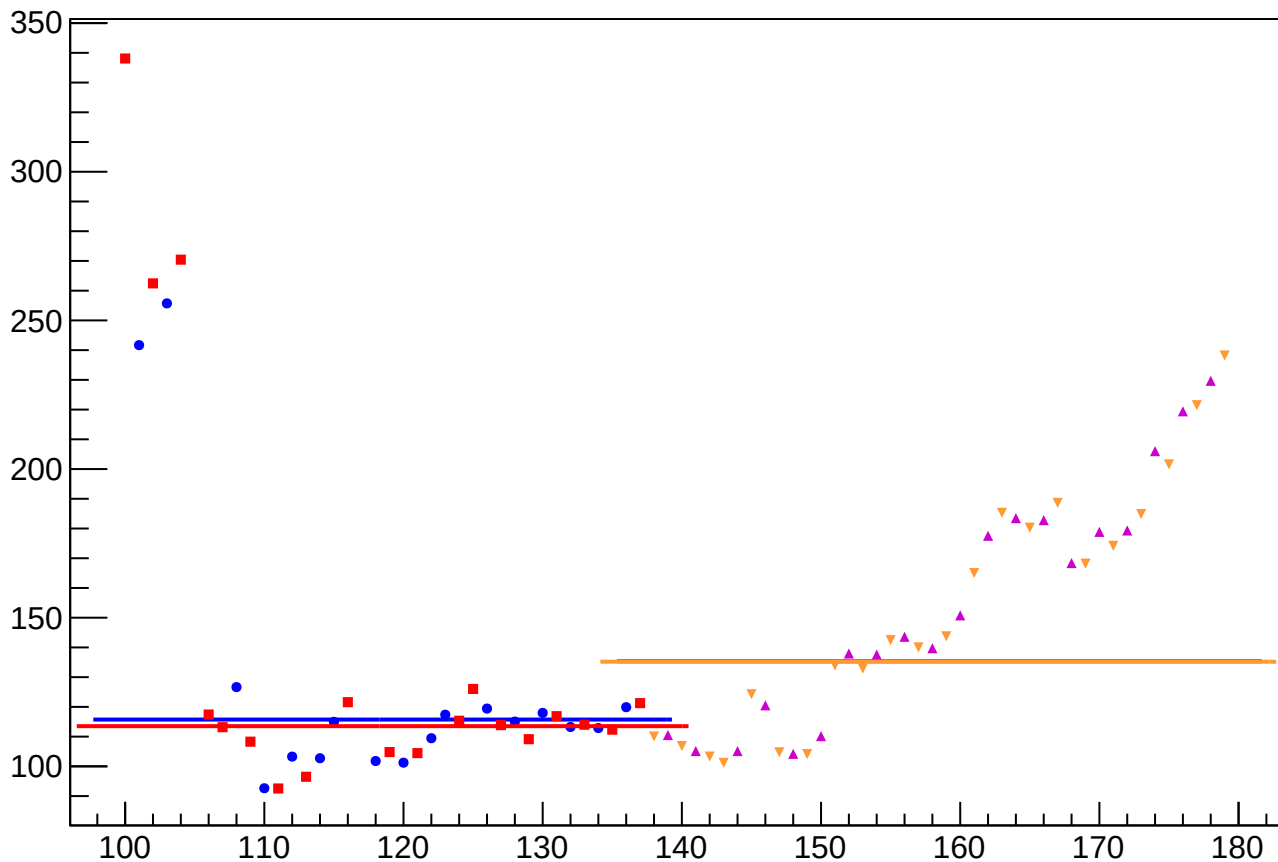
Left In: 5672.812 ± 35.753 $\chi^2/\text{NDF}: 14090.8/19$

+ sign -3741.791 ± 27.883 $\chi^2/\text{NDF}: 68888.2/38$

All: 105.818 ± 19.755 $\chi^2/\text{NDF}: 132874.5/77$

- sign 3984.008 ± 27.993 $\chi^2/\text{NDF}: 25751.2/38$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 $\pm$ 0.033 χ^2 /NDF: 744017.7/16

Left Out: 135.194 $\pm$ 0.024 χ^2 /NDF: 2006897.3/21

Right Out: 113.519 $\pm$ 0.032 χ^2 /NDF: 796640.6/18

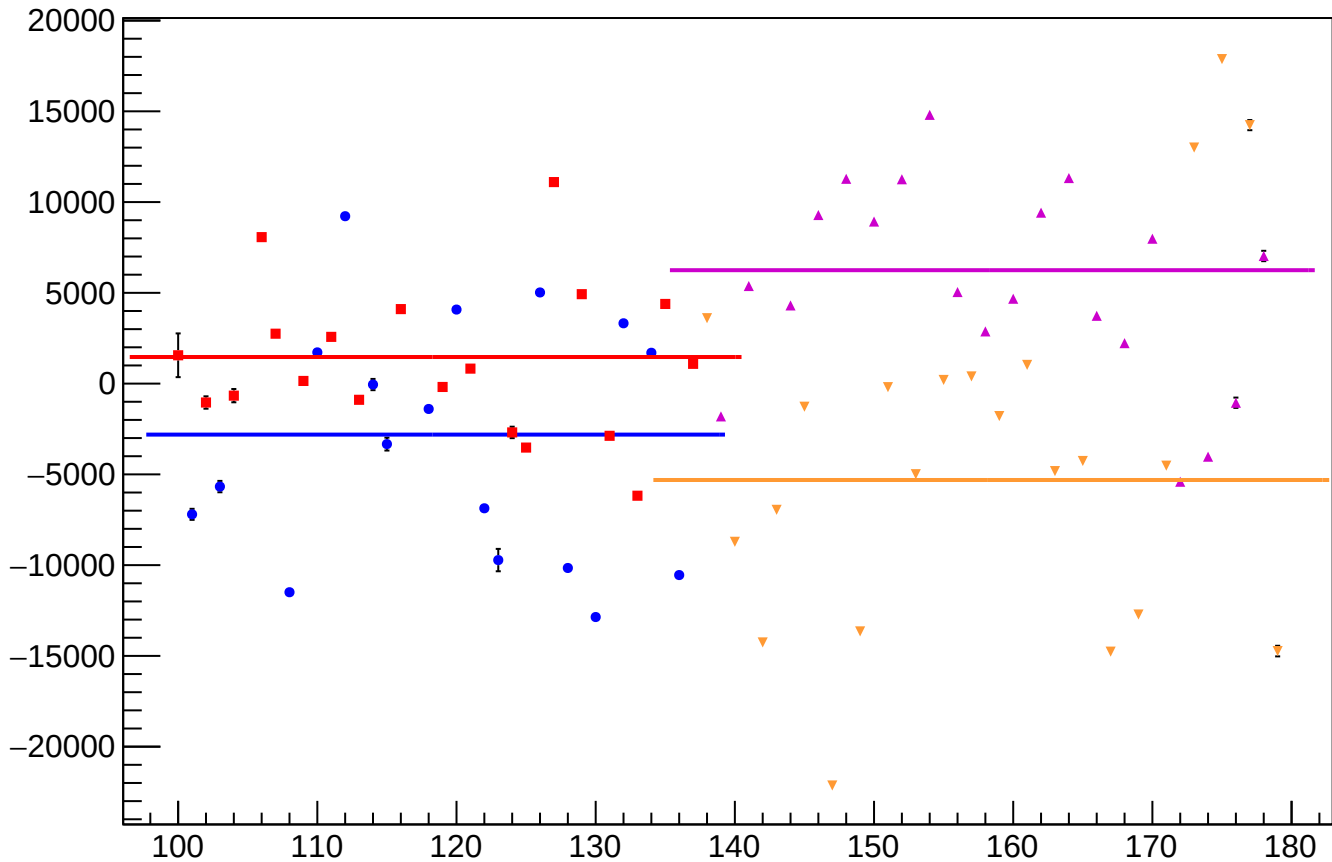
Left In: 135.355 $\pm$ 0.025 χ^2 /NDF: 1743908.8/19

+ sign 128.440 $\pm$ 0.020 χ^2 /NDF: 2971548.6/38

All: 127.676 $\pm$ 0.014 χ^2 /NDF: 5803804.3/77

- sign 126.906 $\pm$ 0.020 χ^2 /NDF: 2829239.4/38

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 $\pm$ 48.284 χ^2 /NDF: 21263.1/16

Left Out: -5309.658 $\pm$ 36.735 χ^2 /NDF: 58609.4/21

Right Out: 1465.074 $\pm$ 46.394 χ^2 /NDF: 8004.7/18

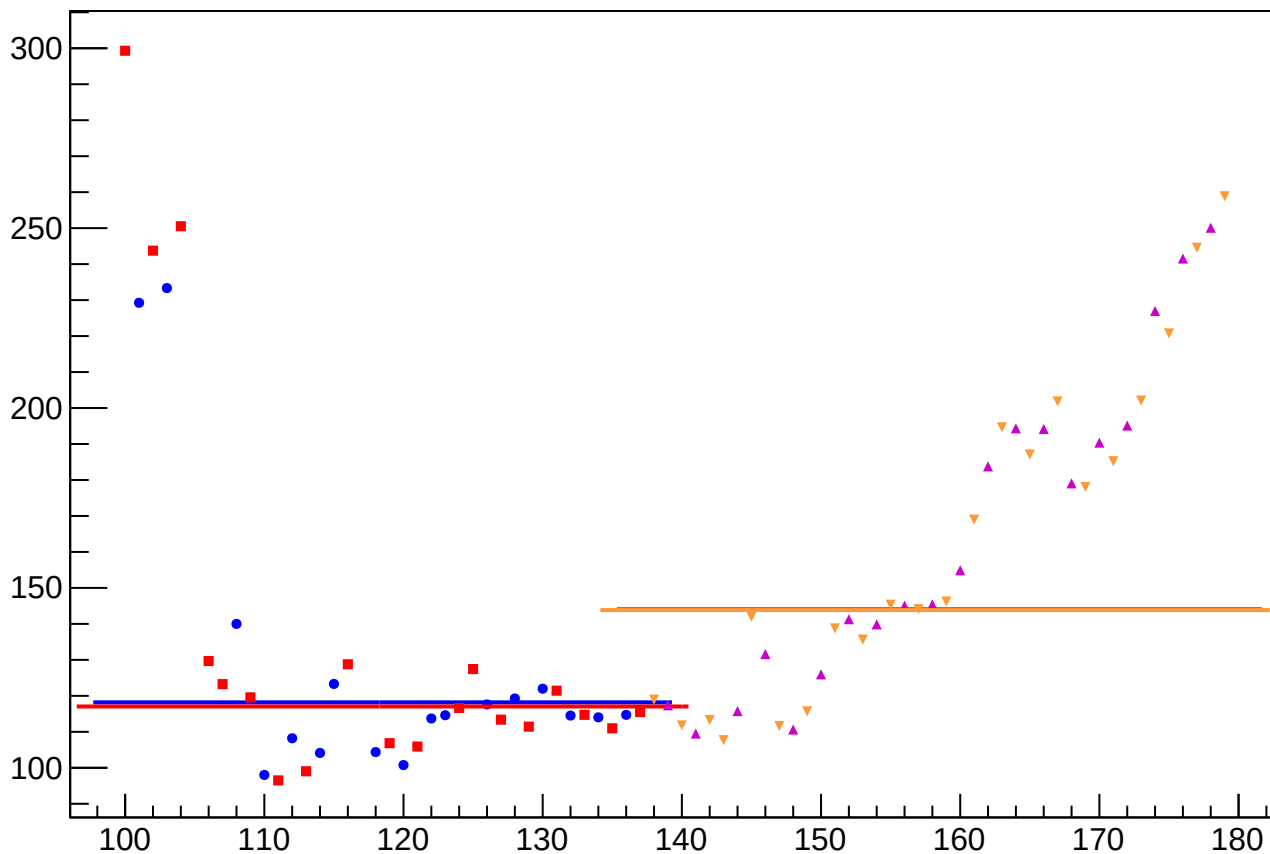
Left In: 6247.867 $\pm$ 38.073 χ^2 /NDF: 16348.4/19

+ sign -4392.902 $\pm$ 29.236 χ^2 /NDF: 81571.3/38

All: -63.903 $\pm$ 20.742 χ^2 /NDF: 156419.6/77

- sign 4323.149 $\pm$ 29.431 χ^2 /NDF: 30703.8/38

asym_bpm2i01WS_rms vs Slug



Right In: 118.188 $\pm$ 0.034 χ^2 /NDF: 636252.0/16

Left Out: 143.845 $\pm$ 0.026 χ^2 /NDF: 1971984.2/21

Right Out: 117.046 $\pm$ 0.033 χ^2 /NDF: 690635.5/18

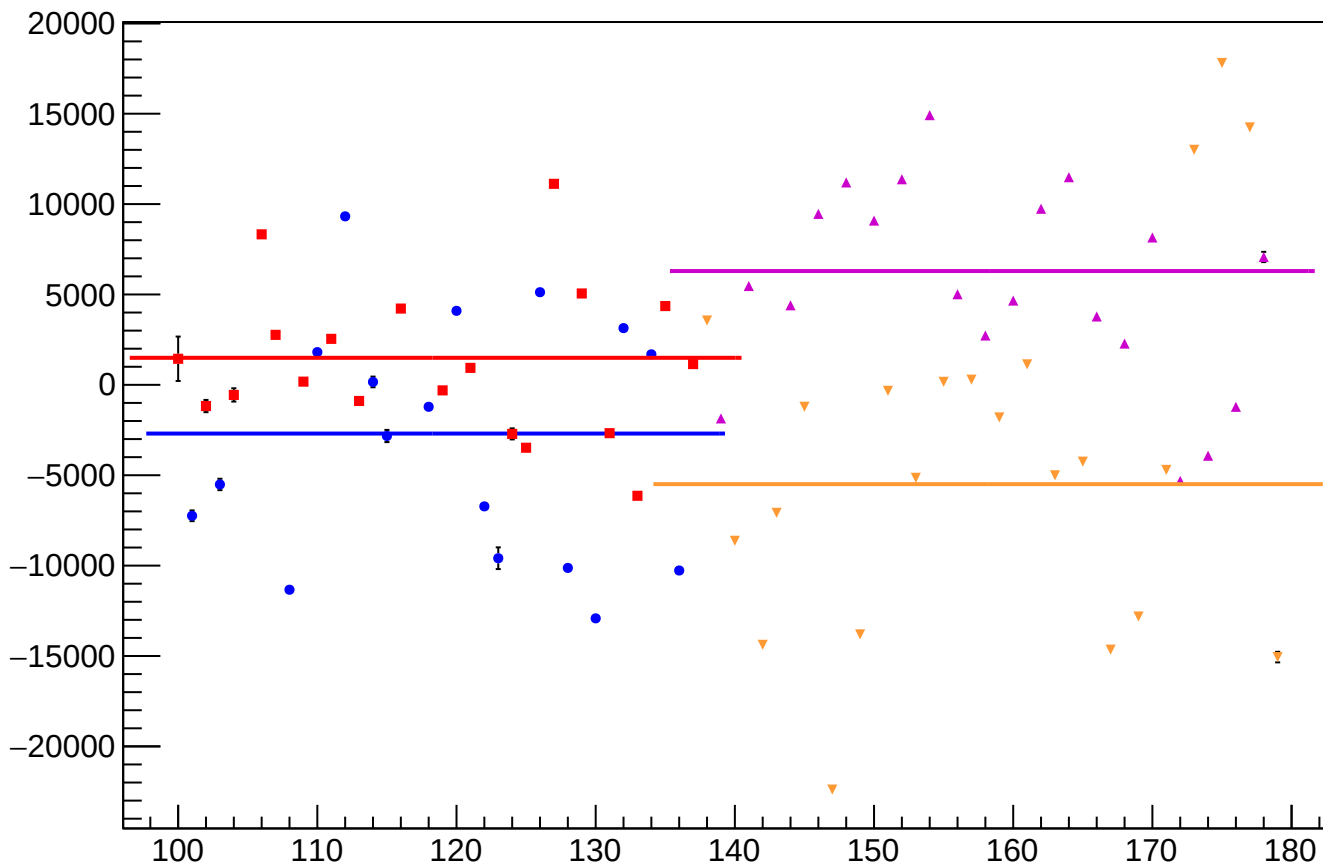
Left In: 144.067 $\pm$ 0.027 χ^2 /NDF: 1714351.9/19

+ sign 134.439 $\pm$ 0.021 χ^2 /NDF: 2965919.7/38

All: 133.820 $\pm$ 0.015 χ^2 /NDF: 5778122.4/77

- sign 133.193 $\pm$ 0.021 χ^2 /NDF: 2810397.4/38

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 $\chi^2/\text{NDF}: 22860.3/16$

Left Out: -5492.555 ± 35.881 $\chi^2/\text{NDF}: 63073.4/21$

Right Out: 1495.744 ± 44.445 $\chi^2/\text{NDF}: 8717.2/18$

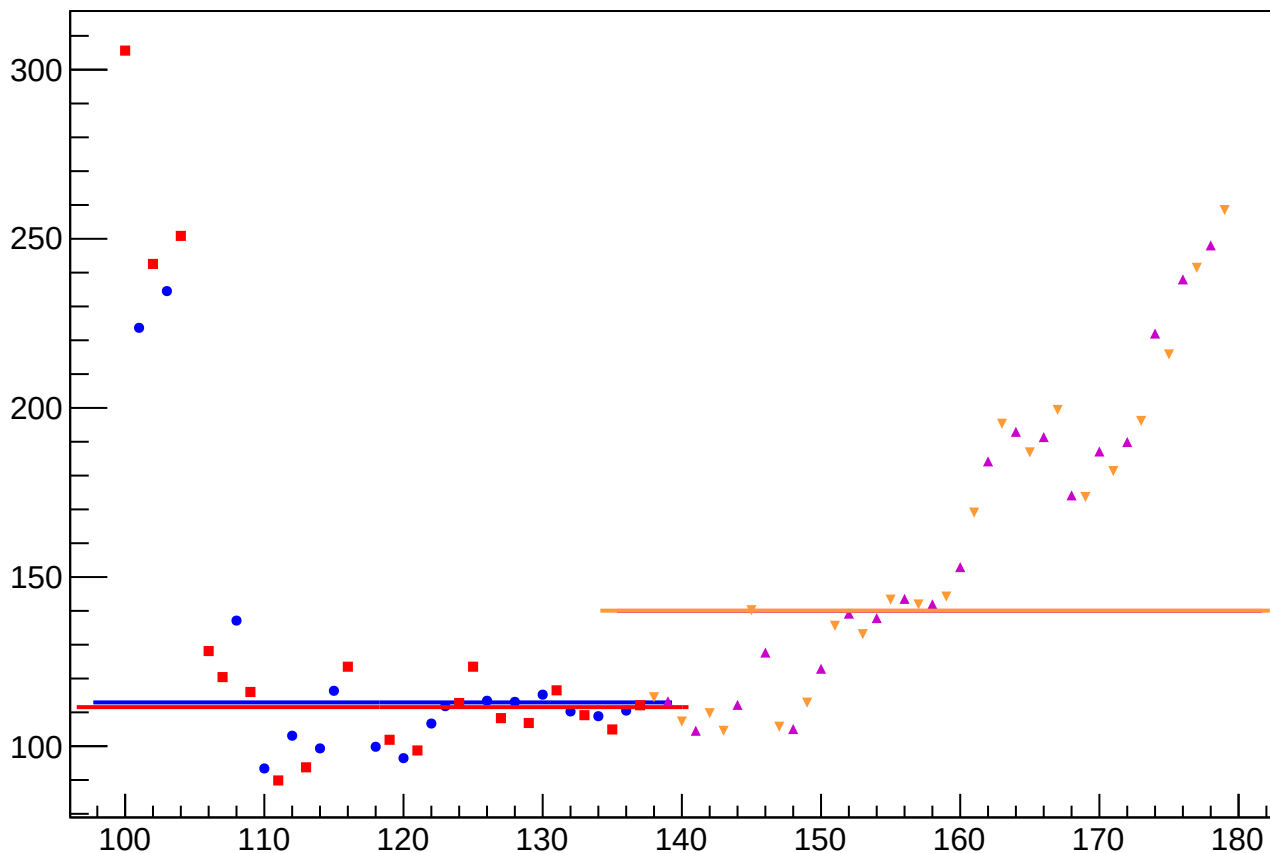
Left In: 6295.163 ± 37.111 $\chi^2/\text{NDF}: 17459.7/19$

+ sign -4443.894 ± 28.372 $\chi^2/\text{NDF}: 88213.0/38$

All: -77.748 ± 20.102 $\chi^2/\text{NDF}: 168814.3/77$

- sign 4323.561 ± 28.486 $\chi^2/\text{NDF}: 33047.6/38$

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 140.070 $\pm$ 0.025 χ^2 /NDF: 2115952.8/21

Right Out: 111.544 $\pm$ 0.031 χ^2 /NDF: 765502.6/18

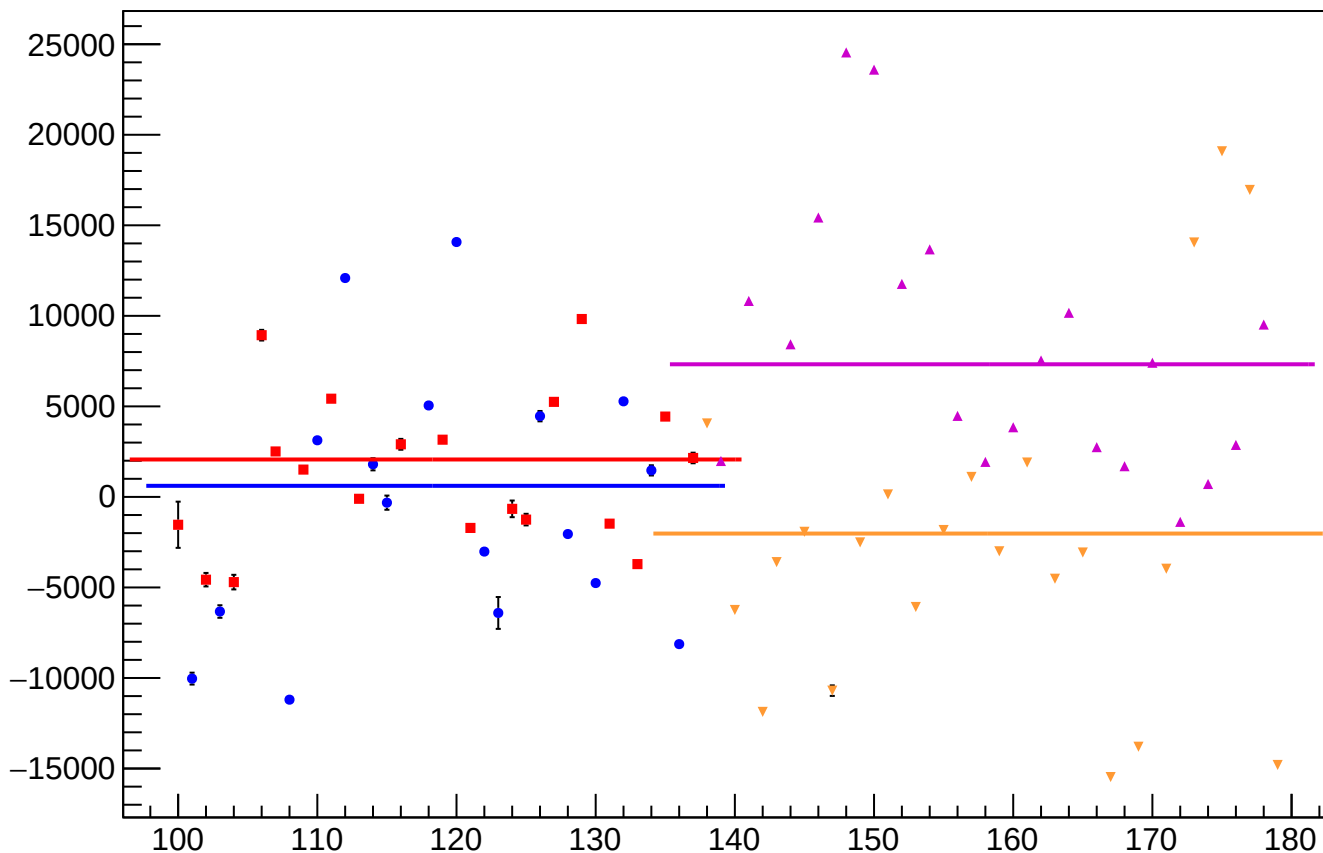
Left In: 139.987 $\pm$ 0.026 χ^2 /NDF: 1846271.6/19

+ sign 129.903 $\pm$ 0.020 χ^2 /NDF: 3224718.8/38

All: 129.106 $\pm$ 0.014 χ^2 /NDF: 6322289.3/77

- sign 128.302 $\pm$ 0.020 χ^2 /NDF: 3094398.7/38

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -2023.678 ± 40.808 $\chi^2/\text{NDF}: 39549.6/21$

Right Out: 2067.410 ± 53.931 $\chi^2/\text{NDF}: 4642.7/18$

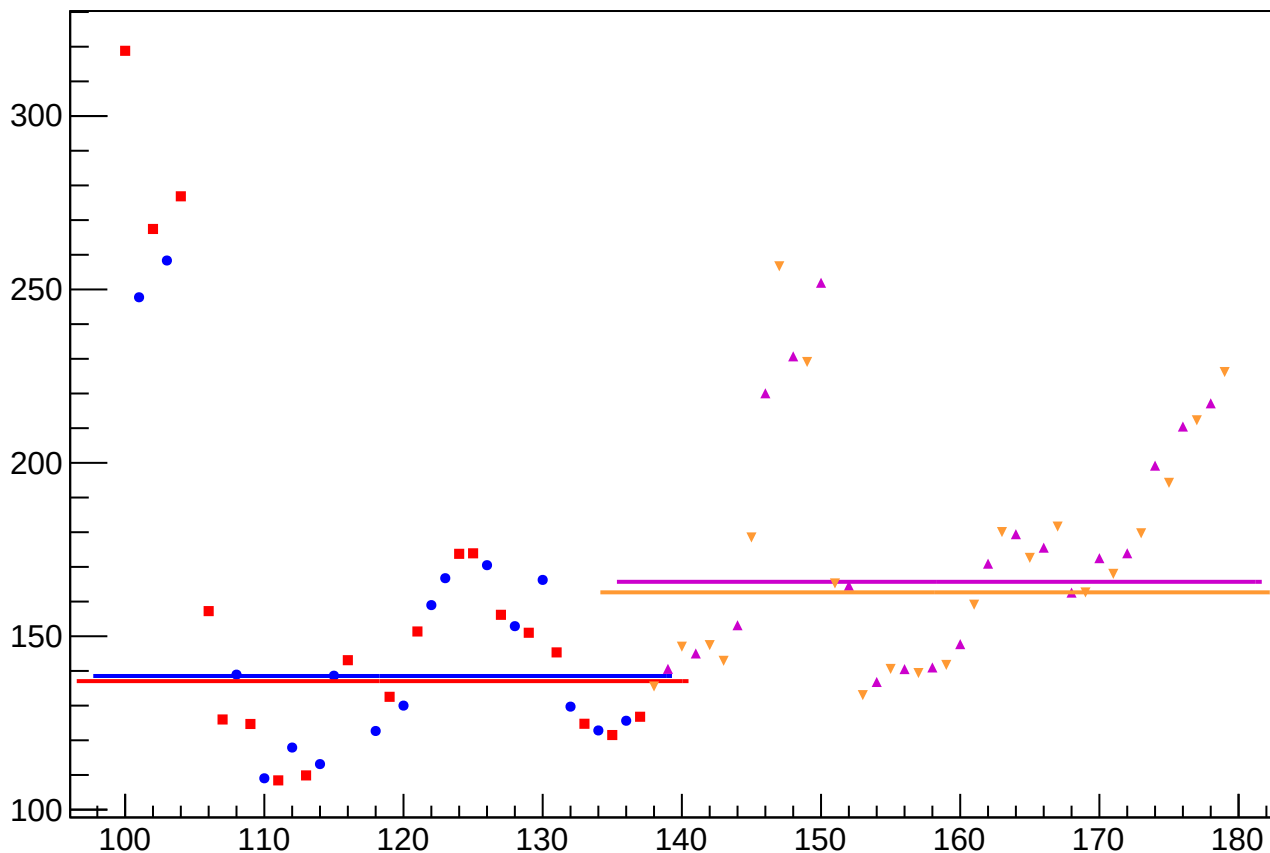
Left In: 7324.811 ± 43.183 $\chi^2/\text{NDF}: 19260.8/19$

+ sign -1110.602 ± 32.993 $\chi^2/\text{NDF}: 59238.4/38$

All: 2011.709 ± 23.579 $\chi^2/\text{NDF}: 107236.9/77$

- sign 5270.912 ± 33.709 $\chi^2/\text{NDF}: 29694.1/38$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 162.662 $\pm$ 0.029 χ^2 /NDF: 962035.8/21

Right Out: 137.061 $\pm$ 0.038 χ^2 /NDF: 755491.9/18

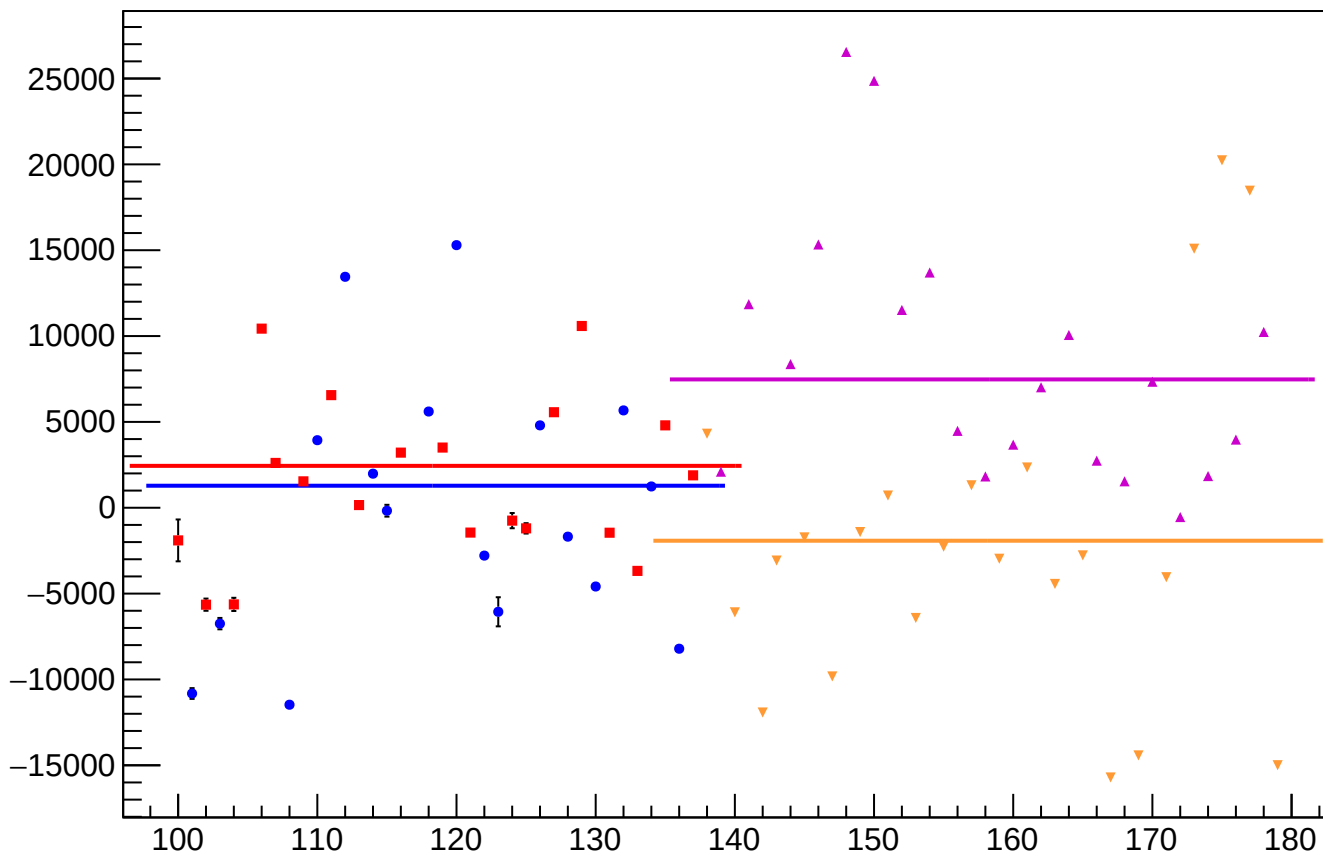
Left In: 165.699 $\pm$ 0.031 χ^2 /NDF: 918852.3/19

+ sign 154.308 $\pm$ 0.023 χ^2 /NDF: 1872975.5/38

All: 154.407 $\pm$ 0.017 χ^2 /NDF: 3891001.8/77

- sign 154.511 $\pm$ 0.024 χ^2 /NDF: 2017989.2/38

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -1920.813+/-36.836 χ^2/NDF : 49218.0/21

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

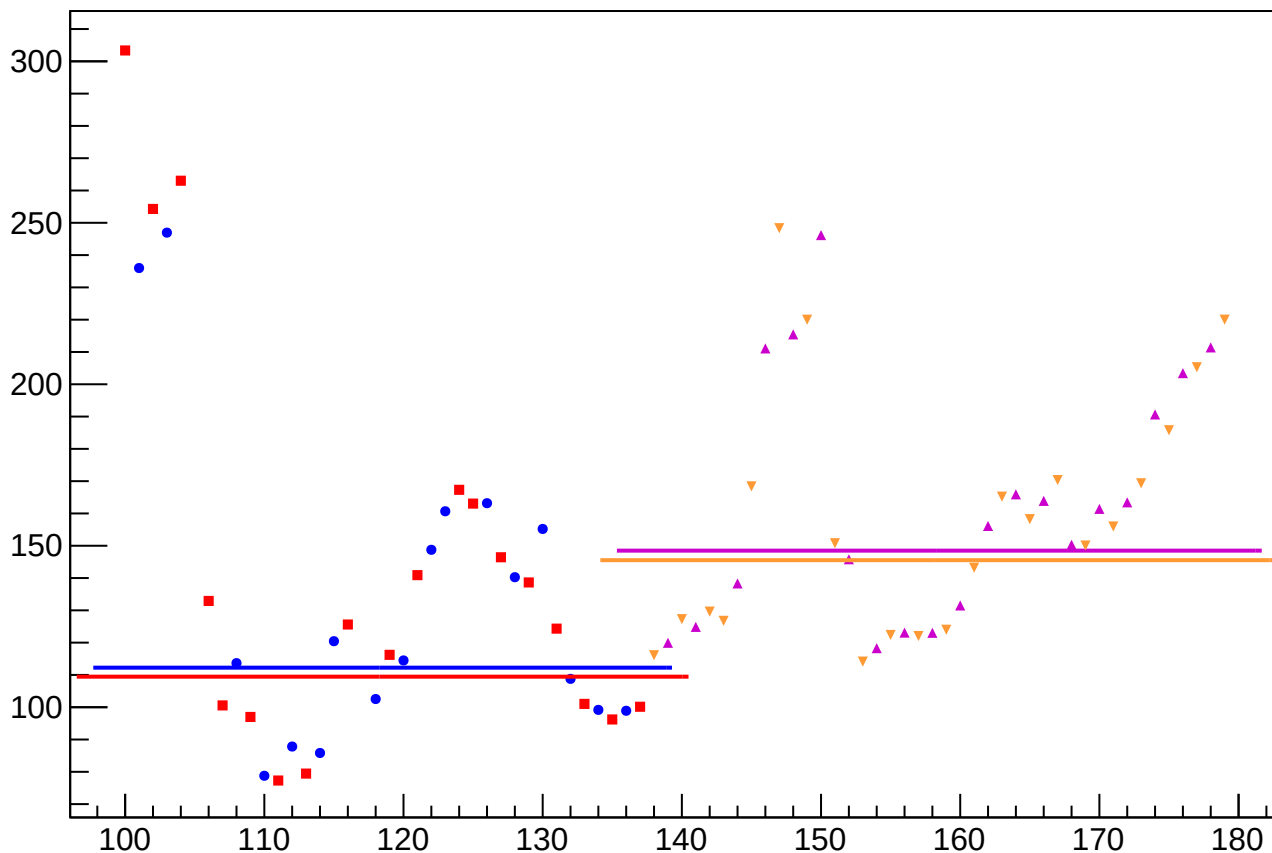
Left In: 7474.709+/-39.081 χ^2/NDF : 23983.6/19

+ sign -687.867+/-28.891 χ^2/NDF : 82670.0/38

All: 2249.218+/-20.573 χ^2/NDF : 142562.4/77

- sign 5270.573+/-29.303 χ^2/NDF : 38926.4/38

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 145.530+/-0.026 χ^2/NDF : 1410765.4/21

Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

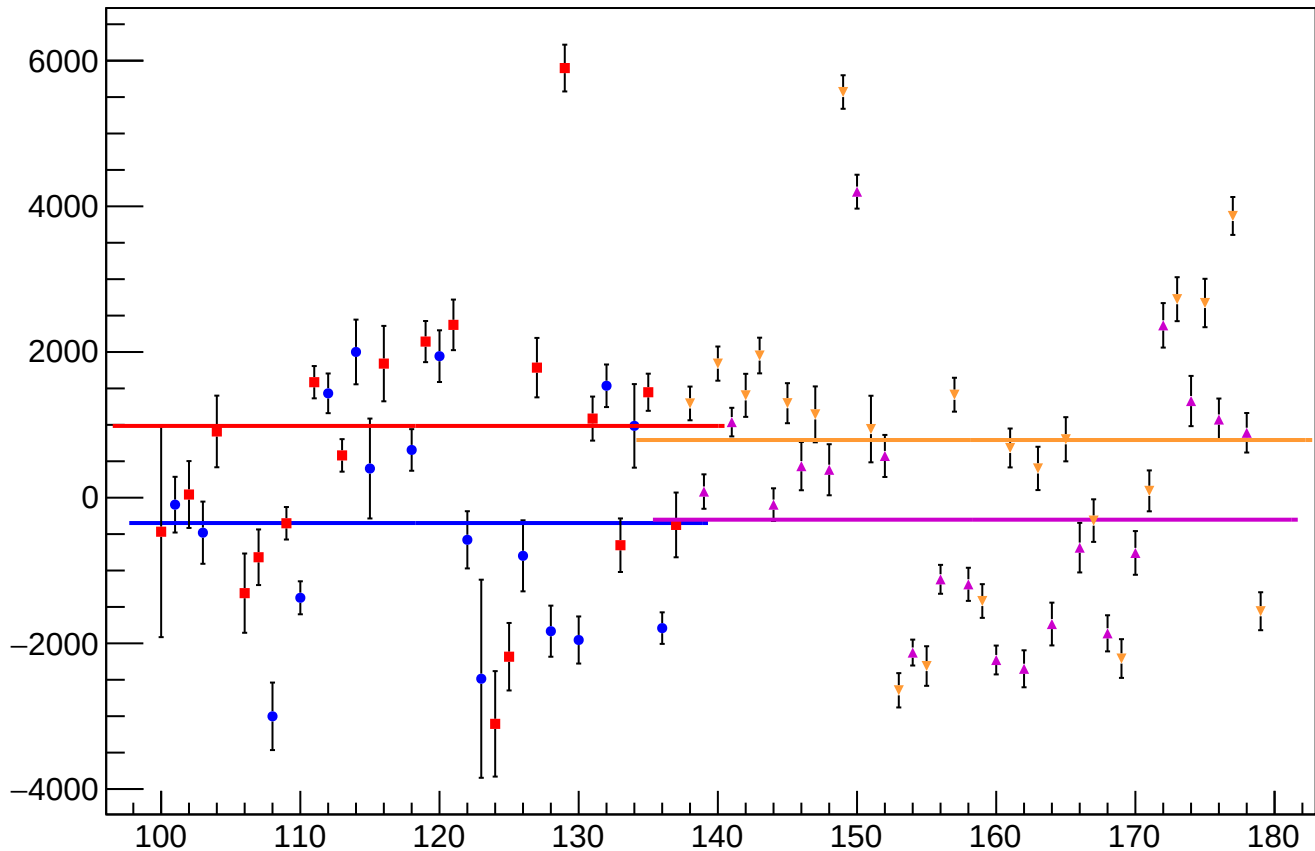
Left In: 148.487+/-0.028 χ^2/NDF : 1332979.8/19

+ sign 132.723+/-0.020 χ^2/NDF : 3164525.6/38

All: 132.071+/-0.015 χ^2/NDF : 6642398.3/77

- sign 131.401+/-0.021 χ^2/NDF : 3475808.4/38

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 791.789 ± 57.582 χ^2/NDF : 1371.4/21

Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

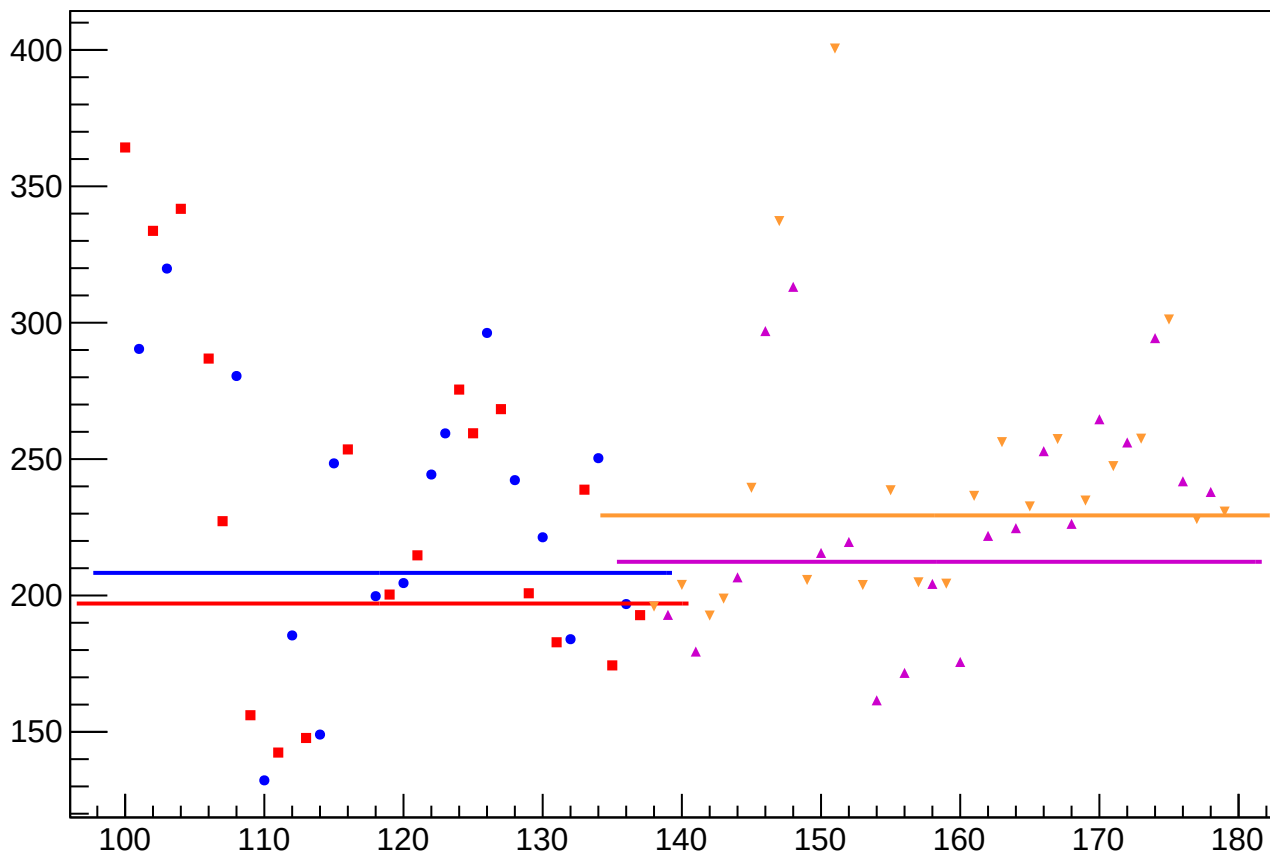
Left In: -302.104 ± 55.796 χ^2/NDF : 947.7/19

+ sign 426.368 ± 47.463 χ^2/NDF : 1814.3/38

All: 274.477 ± 32.777 χ^2/NDF : 3439.4/77

- sign 136.004 ± 45.318 χ^2/NDF : 1605.4/38

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 $\pm$ 0.059 χ^2 /NDF: 698491.0/16

Left Out: 229.360 $\pm$ 0.041 χ^2 /NDF: 817465.7/21

Right Out: 197.051 $\pm$ 0.055 χ^2 /NDF: 926786.6/18

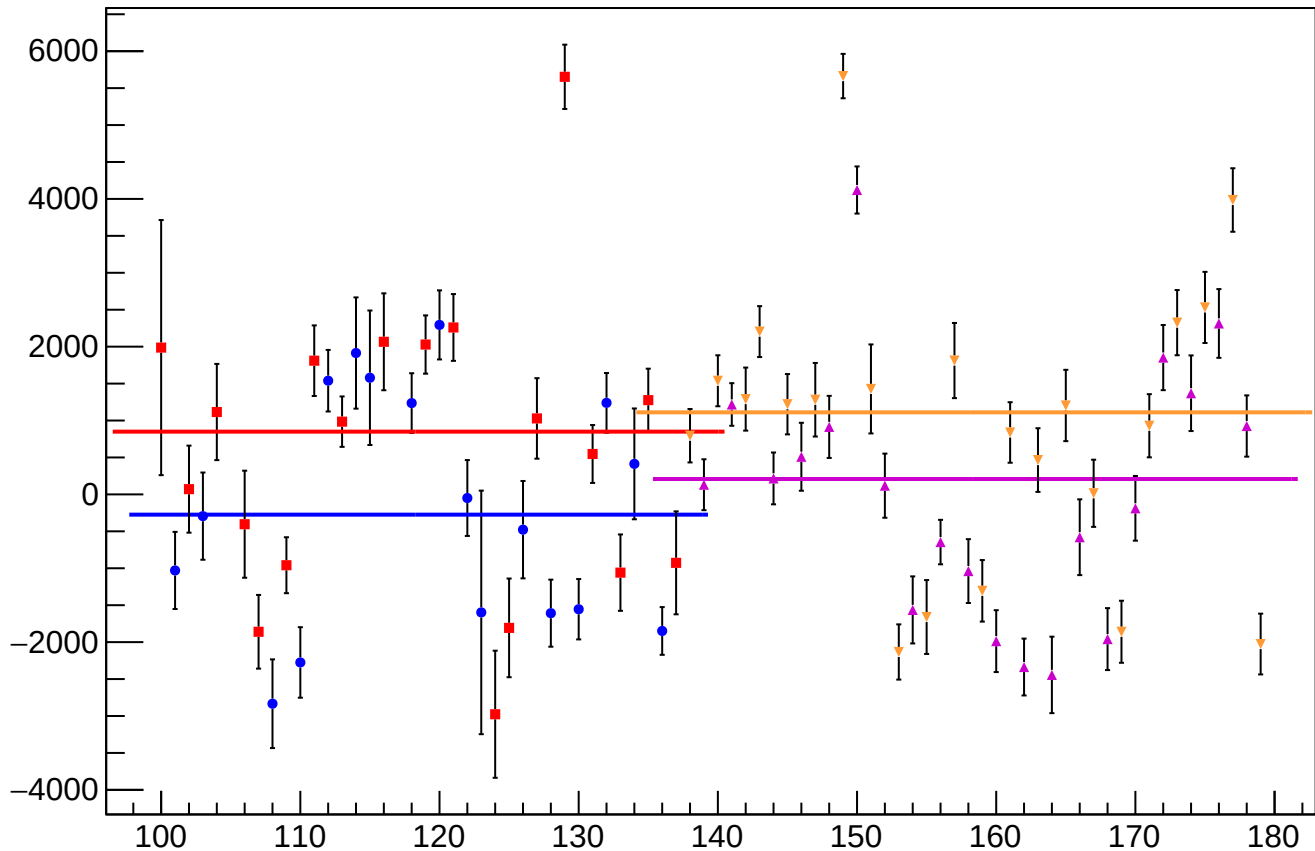
Left In: 212.351 $\pm$ 0.039 χ^2 /NDF: 982023.6/19

+ sign 222.605 $\pm$ 0.034 χ^2 /NDF: 1601827.3/38

All: 214.517 $\pm$ 0.023 χ^2 /NDF: 3672823.8/77

- sign 207.144 $\pm$ 0.032 χ^2 /NDF: 1959990.4/38

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 1110.912 ± 88.753 χ^2/NDF : 561.9/21

Right Out: 849.413 ± 115.349 χ^2/NDF : 263.3/18

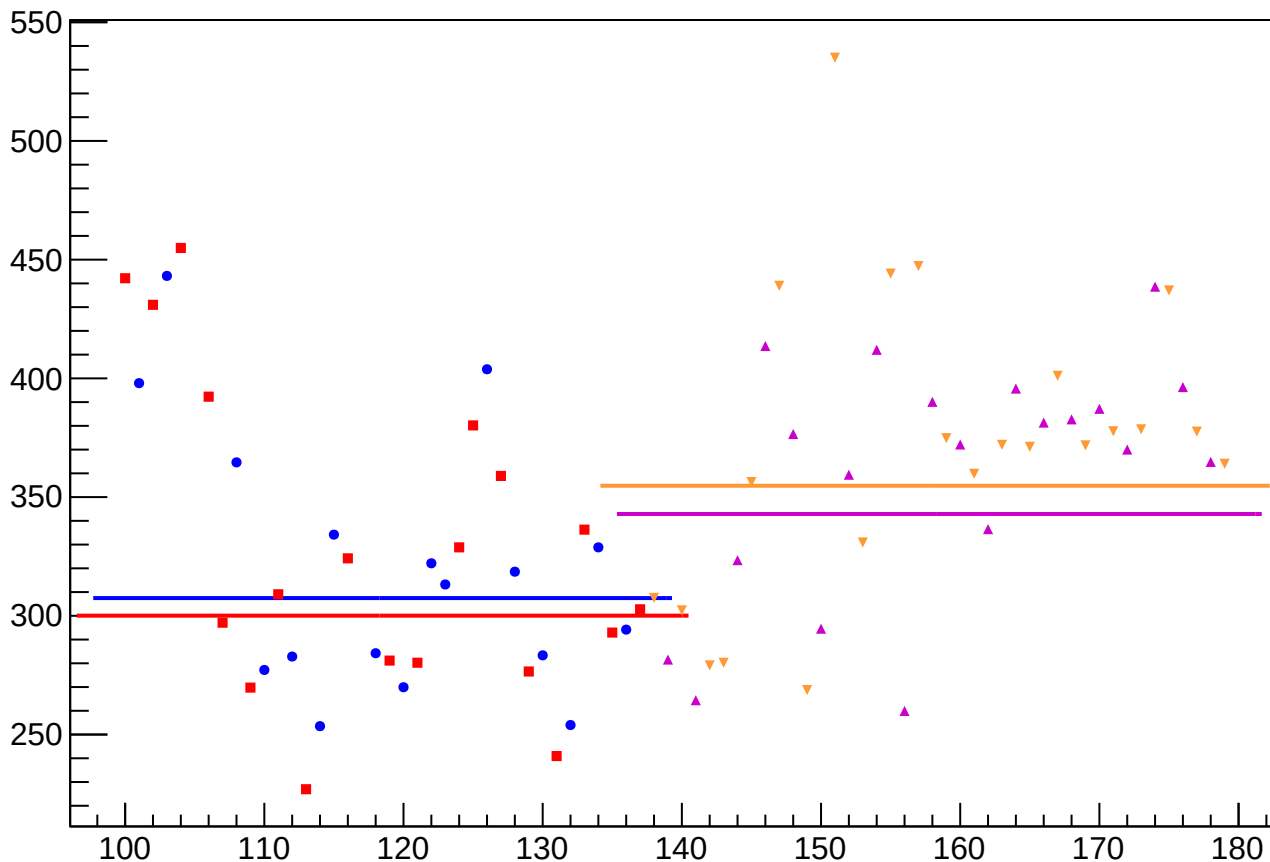
Left In: 208.253 ± 89.221 χ^2/NDF : 367.5/19

+ sign 628.057 ± 71.632 χ^2/NDF : 818.4/38

All: 536.818 ± 50.273 χ^2/NDF : 1471.7/77

- sign 448.257 ± 70.573 χ^2/NDF : 650.1/38

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 $\pm$ 0.086 χ^2 /NDF: 323096.7/16

Left Out: 354.782 $\pm$ 0.063 χ^2 /NDF: 886227.5/21

Right Out: 300.069 $\pm$ 0.082 χ^2 /NDF: 490398.9/18

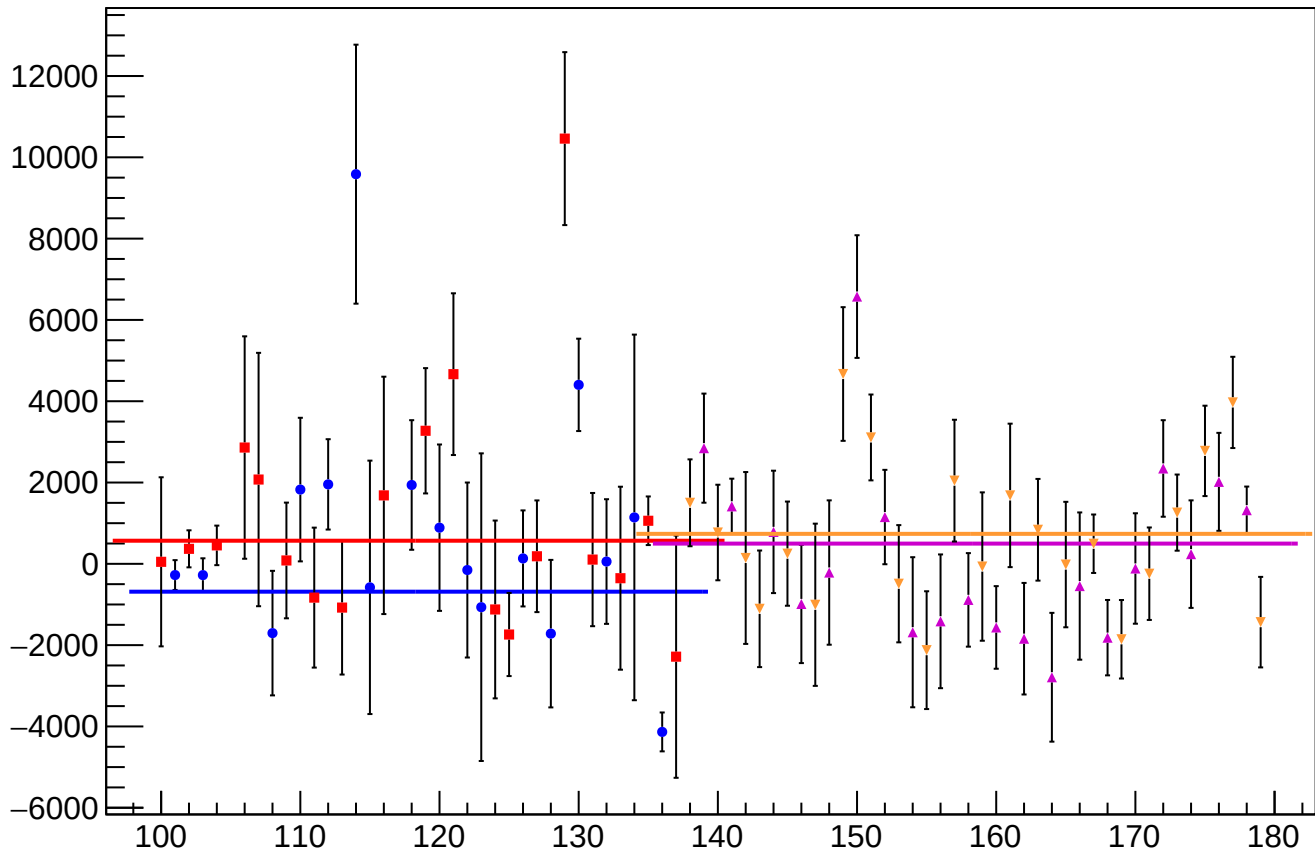
Left In: 342.877 $\pm$ 0.063 χ^2 /NDF: 738882.2/19

+ sign 338.289 $\pm$ 0.051 χ^2 /NDF: 1407459.0/38

All: 332.486 $\pm$ 0.036 χ^2 /NDF: 2834946.8/77

- sign 326.853 $\pm$ 0.050 χ^2 /NDF: 1401619.8/38

asym_bpm0l03WS_mean vs Slug



Right In: -685.056 ± 210.341 χ^2/NDF : 97.4/16

Left Out: 737.619 ± 259.502 χ^2/NDF : 43.9/21

Right Out: 568.651 ± 243.251 χ^2/NDF : 39.7/18

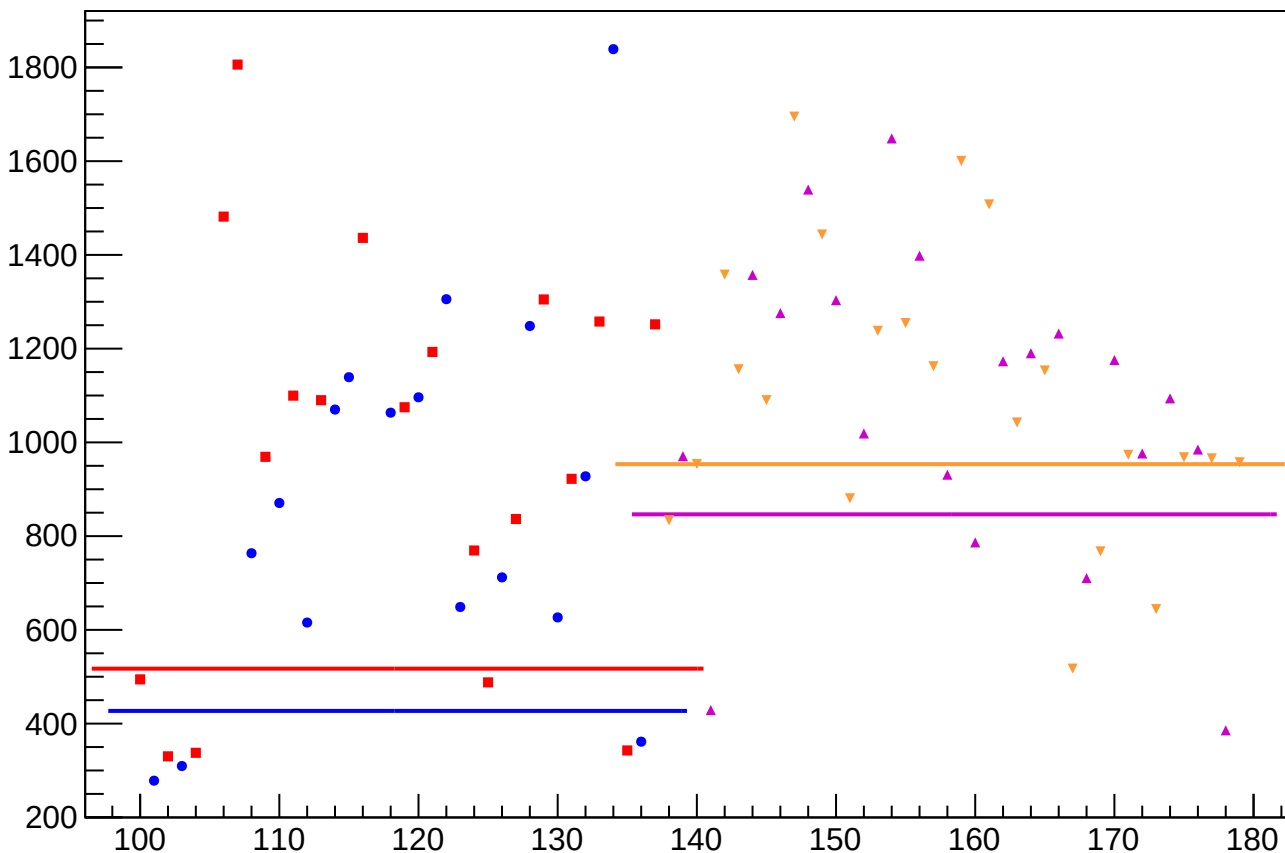
Left In: 497.654 ± 254.921 χ^2/NDF : 51.0/19

+ sign -120.966 ± 163.404 χ^2/NDF : 159.4/38

All: 182.647 ± 119.745 χ^2/NDF : 257.6/77

- sign 534.814 ± 175.986 χ^2/NDF : 90.8/38

asym_bpm0l03WS_rms vs Slug



Right In: 427.079 $\pm$ 0.149 χ^2 /NDF: 2865678.7/16

Left Out: 953.588 $\pm$ 0.183 χ^2 /NDF:2349080.0/21

Right Out: 517.234 $\pm$ 0.172 χ^2 /NDF: 3605111.9/18

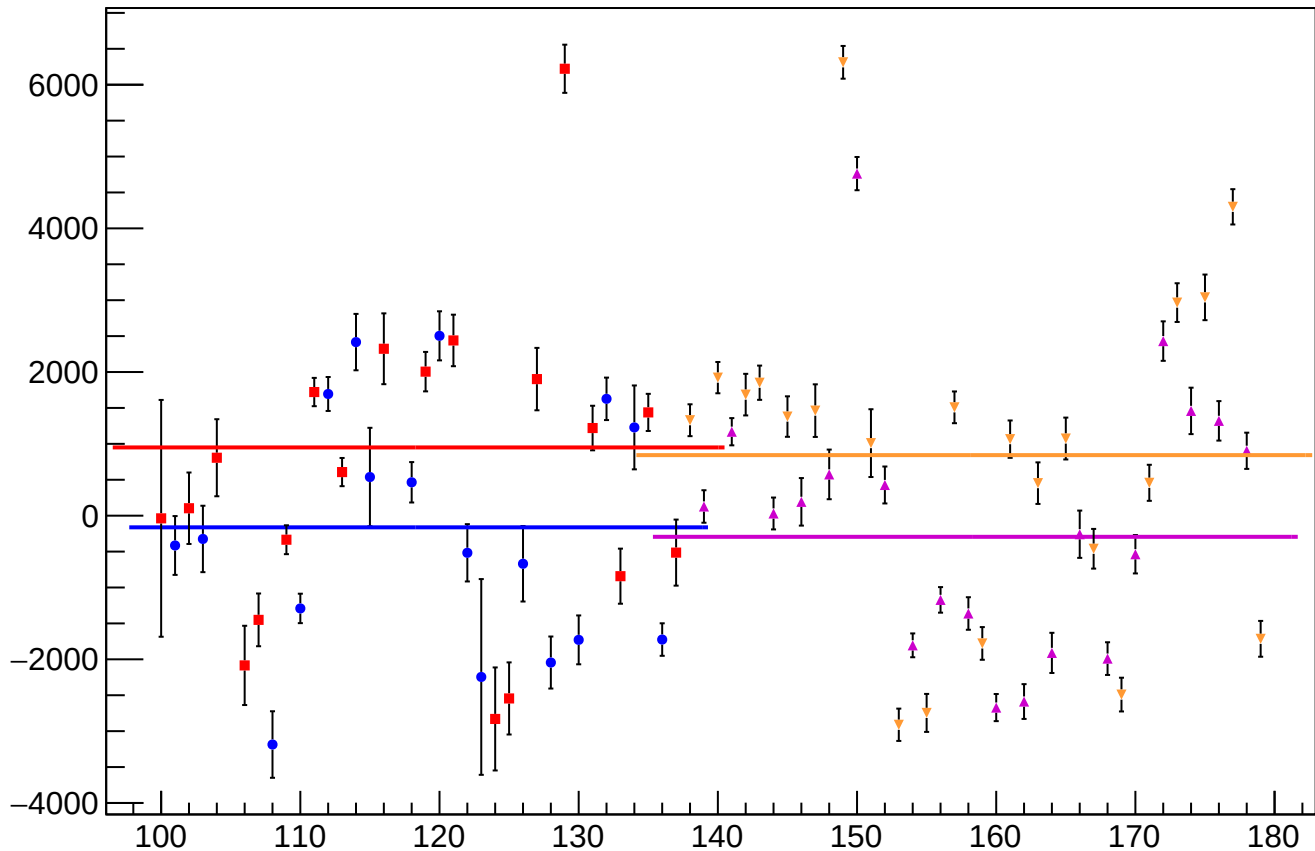
Left In: 846.507 $\pm$ 0.180 χ^2 /NDF:4165469.3/19

+ sign 635.840 $\pm$ 0.116 χ^2 /NDF: 10183395.7/38

All: 653.582 $\pm$ 0.085 χ^2 /NDF: 19751428.4/77

- sign 674.162 $\pm$ 0.124 χ^2 /NDF: 9517104.4/38

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 χ^2/NDF : 387.6/16

Left Out: 843.000 ± 55.013 χ^2/NDF : 1884.2/21

Right Out: 950.093 ± 75.133 χ^2/NDF : 539.8/18

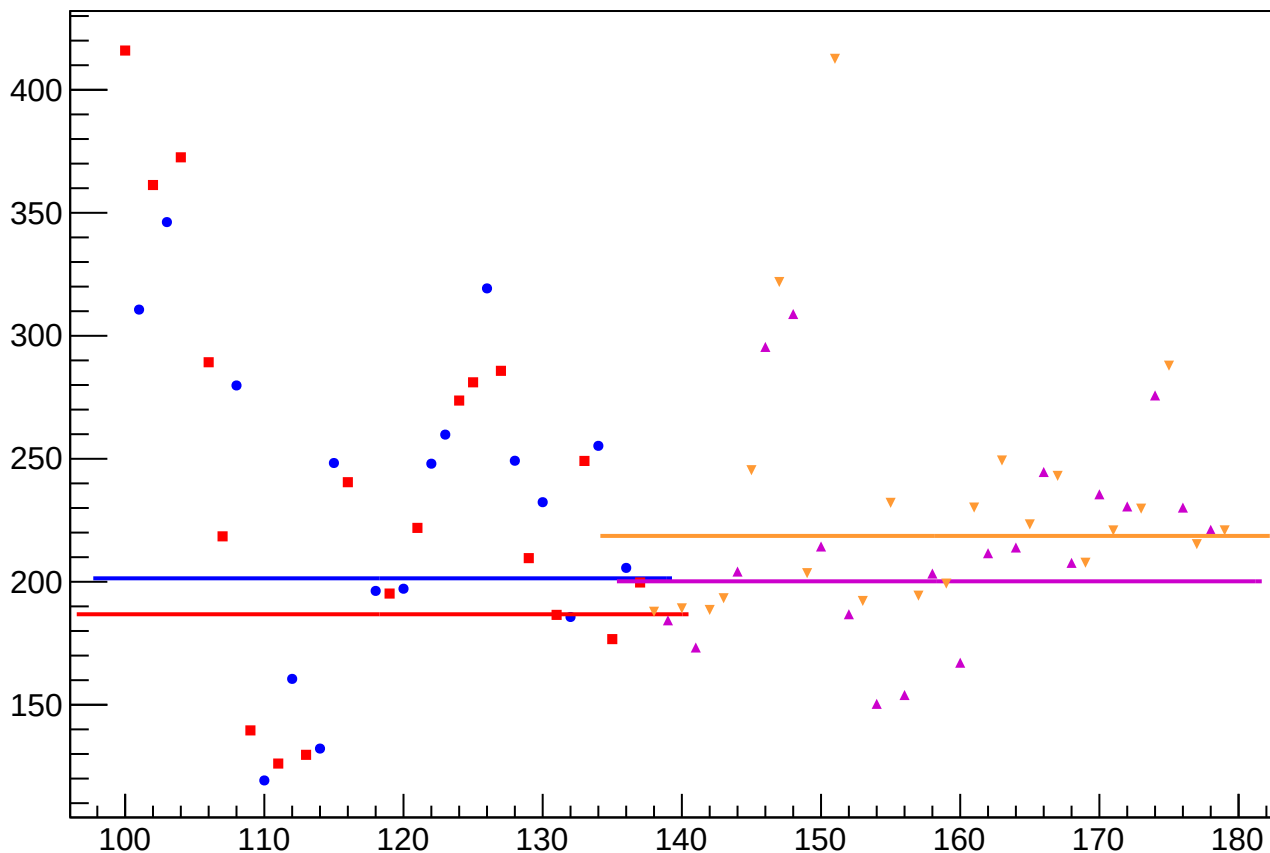
Left In: -294.362 ± 52.807 χ^2/NDF : 1211.5/19

+ sign 532.788 ± 45.744 χ^2/NDF : 2374.8/38

All: 313.088 ± 31.409 χ^2/NDF : 4353.4/77

- sign 117.119 ± 43.203 χ^2/NDF : 1934.9/38

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 218.650 $\pm$ 0.039 χ^2 /NDF: 860067.0/21

Right Out: 186.797 $\pm$ 0.053 χ^2 /NDF: 1393162.0/18

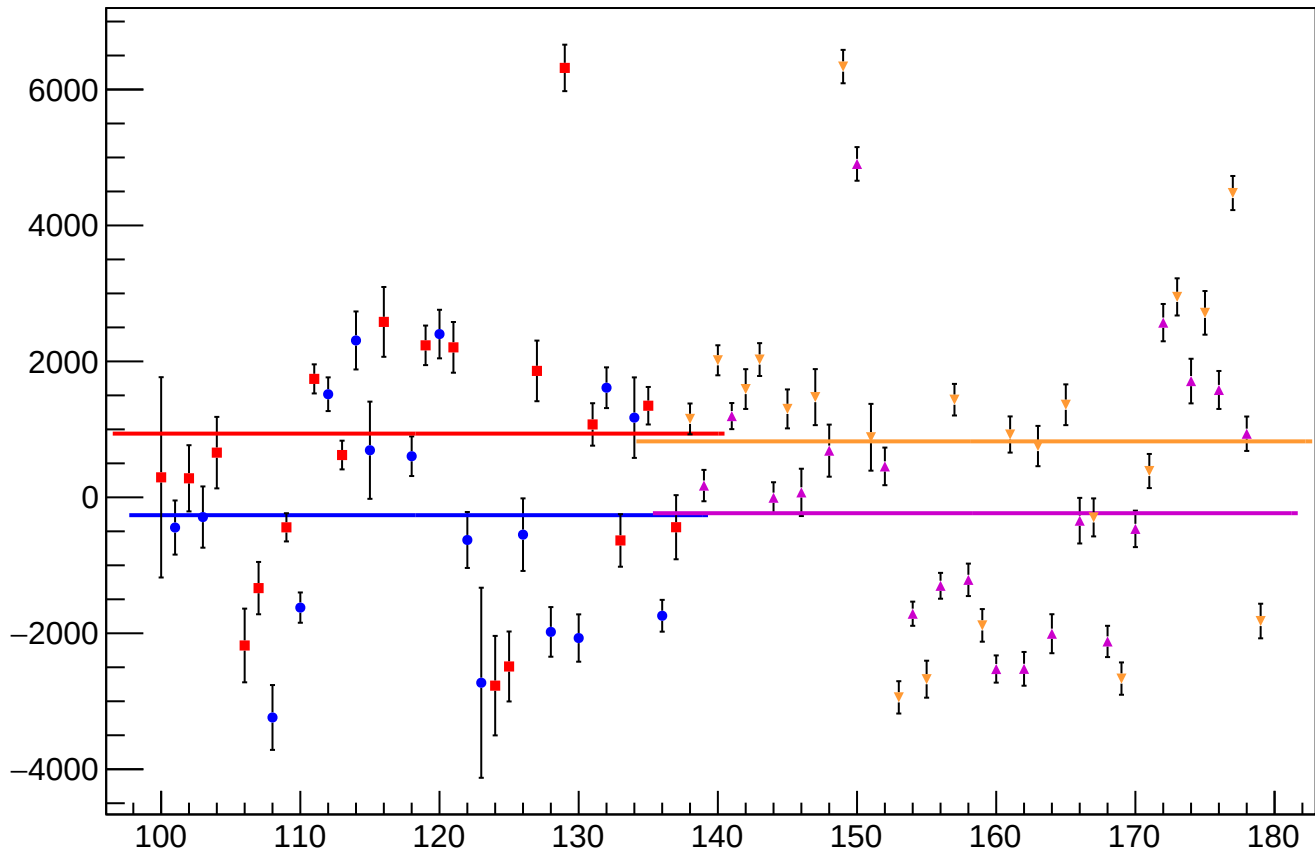
Left In: 200.192 $\pm$ 0.037 χ^2 /NDF: 1058749.0/19

+ sign 213.330 $\pm$ 0.032 χ^2 /NDF: 1976703.2/38

All: 204.045 $\pm$ 0.022 χ^2 /NDF: 4627058.8/77

- sign 195.763 $\pm$ 0.031 χ^2 /NDF: 2494457.9/38

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 823.519 ± 56.616 χ^2/NDF : 1775.2/21

Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

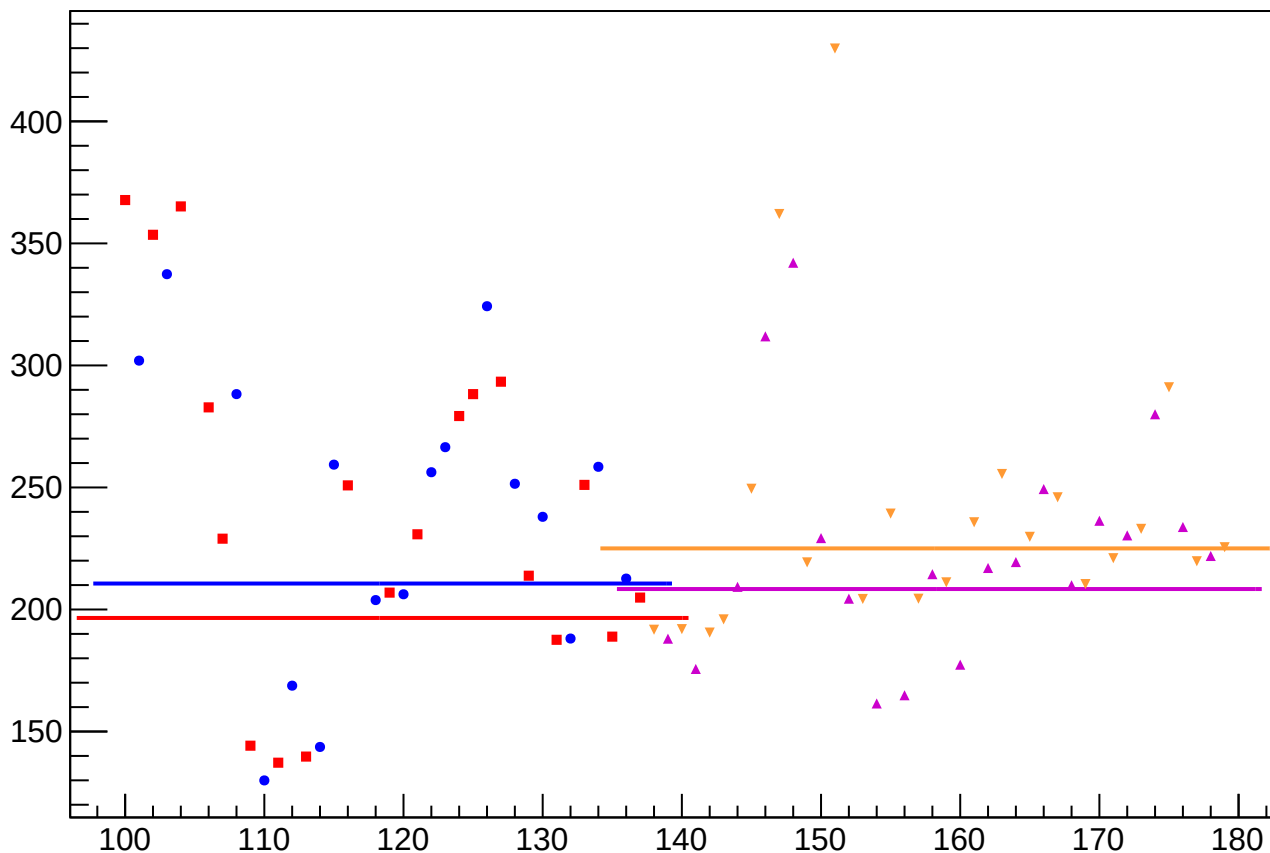
Left In: -233.213 ± 54.837 χ^2/NDF : 1146.4/19

+ sign 492.170 ± 47.194 χ^2/NDF : 2256.2/38

All: 313.364 ± 32.546 χ^2/NDF : 4101.6/77

- sign 151.214 ± 44.942 χ^2/NDF : 1818.0/38

asym_bpm0l05WS_rms vs Slug



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 225.030+/-0.040 χ^2/NDF : 903476.4/21

Right Out: 196.528+/-0.055 χ^2/NDF : 1205091.0/18

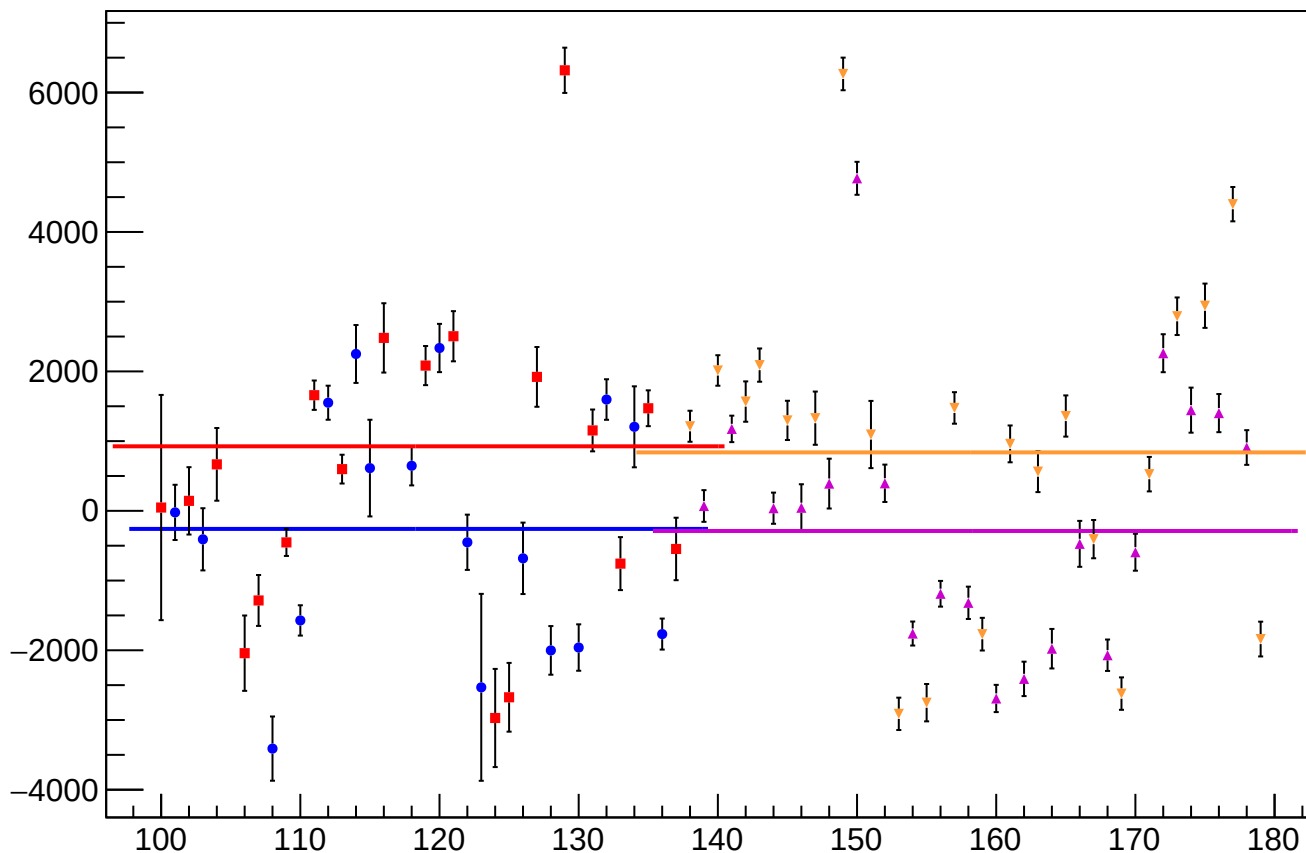
Left In: 208.382+/-0.039 χ^2/NDF : 989385.6/19

+ sign 220.637+/-0.033 χ^2/NDF : 1818699.8/38

All: 212.169+/-0.023 χ^2/NDF : 4166640.0/77

- sign 204.490+/-0.032 χ^2/NDF : 2225160.2/38

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 838.487 ± 55.499 χ^2/NDF : 1849.3/21

Right Out: 925.534 ± 75.503 χ^2/NDF : 581.9/18

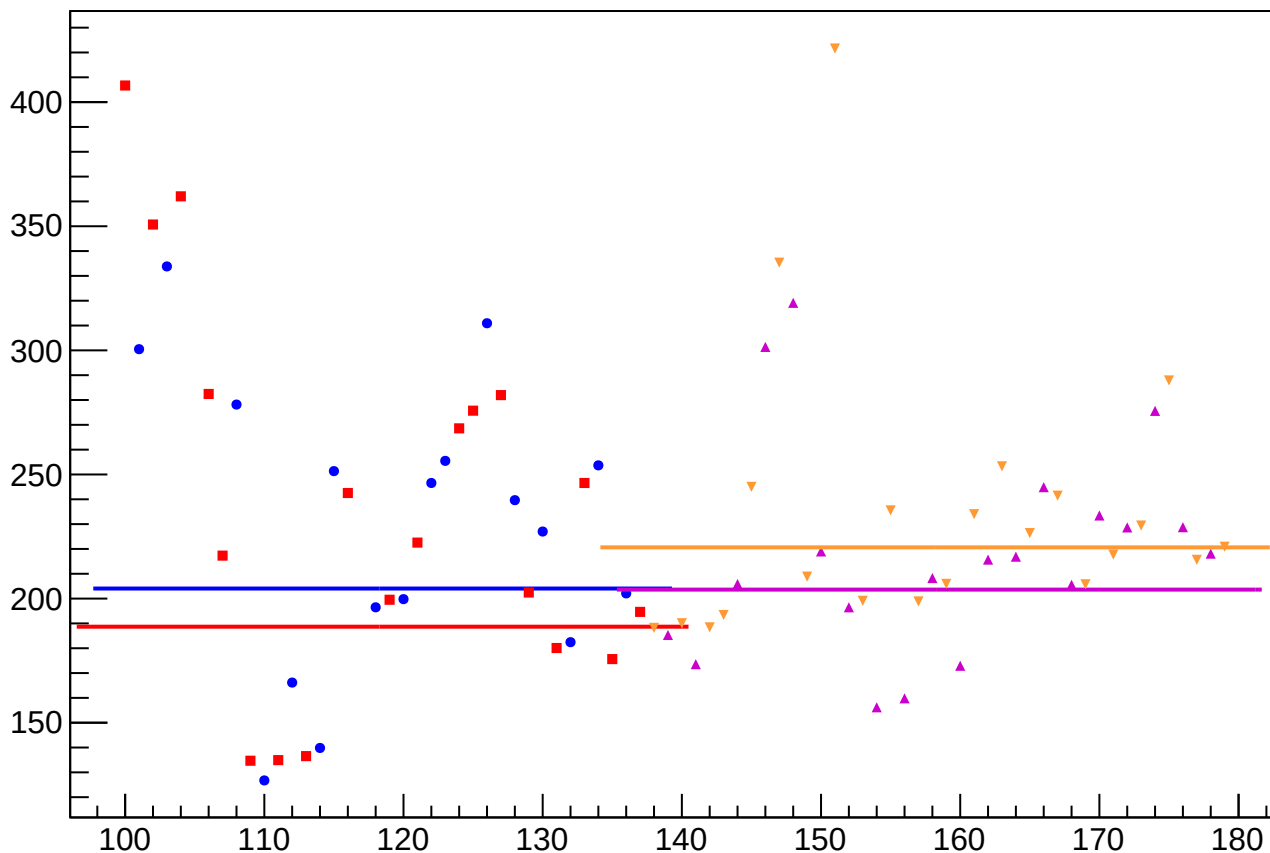
Left In: -288.827 ± 53.599 χ^2/NDF : 1152.4/19

+ sign 498.237 ± 46.101 χ^2/NDF : 2361.8/38

All: 298.026 ± 31.718 χ^2/NDF : 4303.9/77

- sign 118.079 ± 43.706 χ^2/NDF : 1906.3/38

asym_bpm0l06WS_rms vs Slug



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 220.634+/-0.039 χ^2/NDF : 873573.0/21

+ sign 215.494+/-0.033 χ^2/NDF : 1797347.8/38

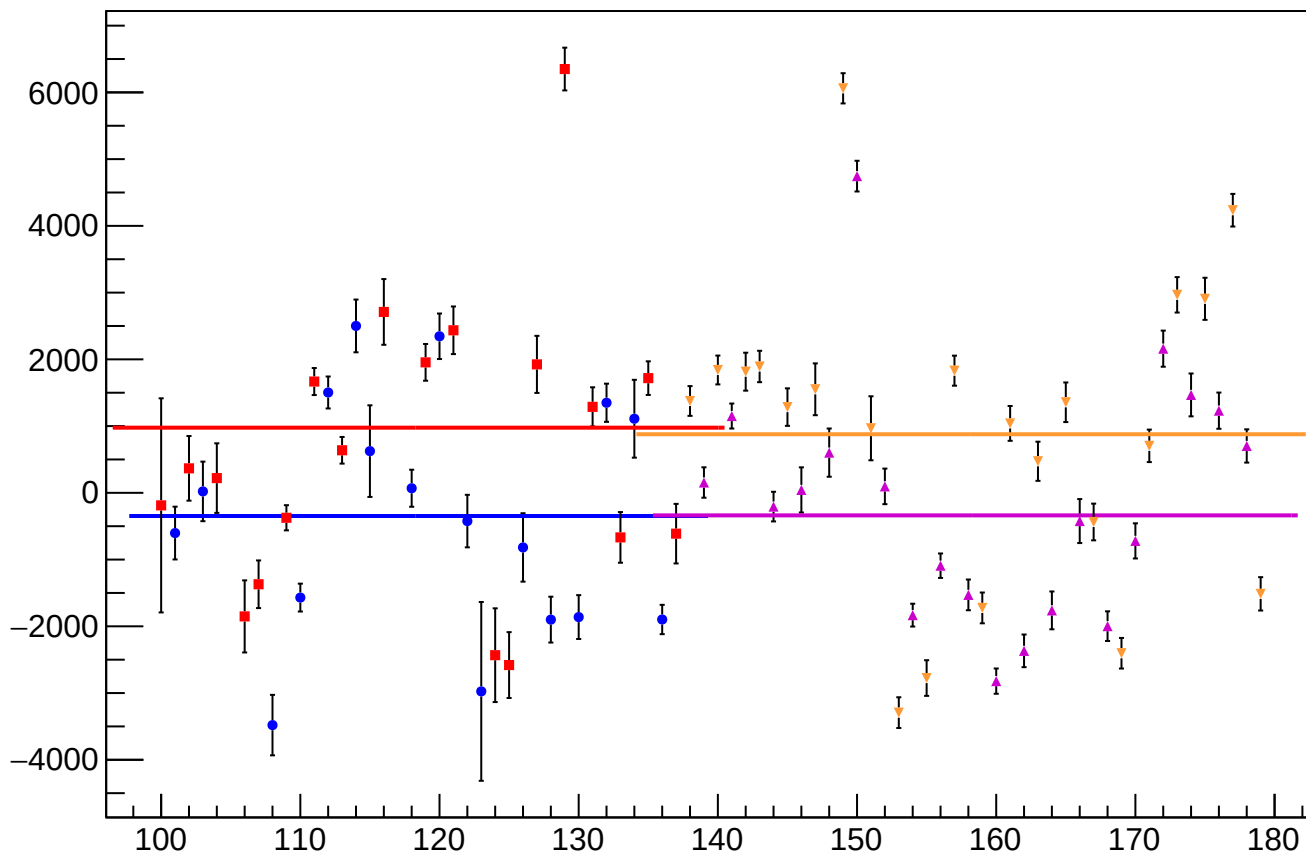
Right Out: 188.681+/-0.053 χ^2/NDF : 1251107.4/18

All: 206.603+/-0.022 χ^2/NDF : 4212902.3/77

Left In: 203.618+/-0.038 χ^2/NDF : 971168.8/19

- sign 198.613+/-0.031 χ^2/NDF : 2274326.6/38

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 878.074 ± 55.017 χ^2/NDF : 1859.8/21

Right Out: 976.286 ± 73.889 χ^2/NDF : 585.7/18

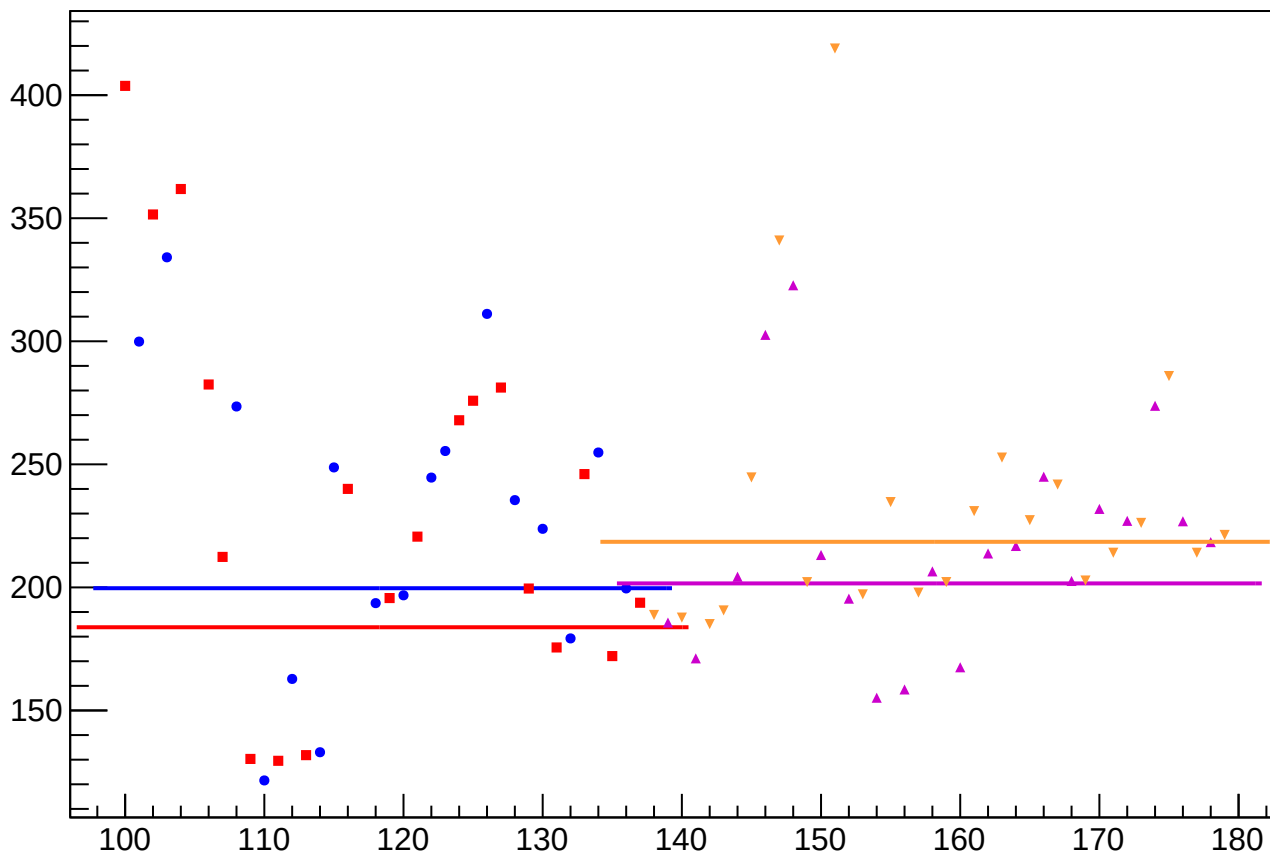
Left In: -337.782 ± 53.120 χ^2/NDF : 1179.0/19

+ sign 493.313 ± 45.568 χ^2/NDF : 2414.7/38

All: 291.120 ± 31.324 χ^2/NDF : 4425.1/77

- sign 109.973 ± 43.131 χ^2/NDF : 1973.2/38

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 218.523 $\pm$ 0.039 χ^2 /NDF: 911399.4/21

Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

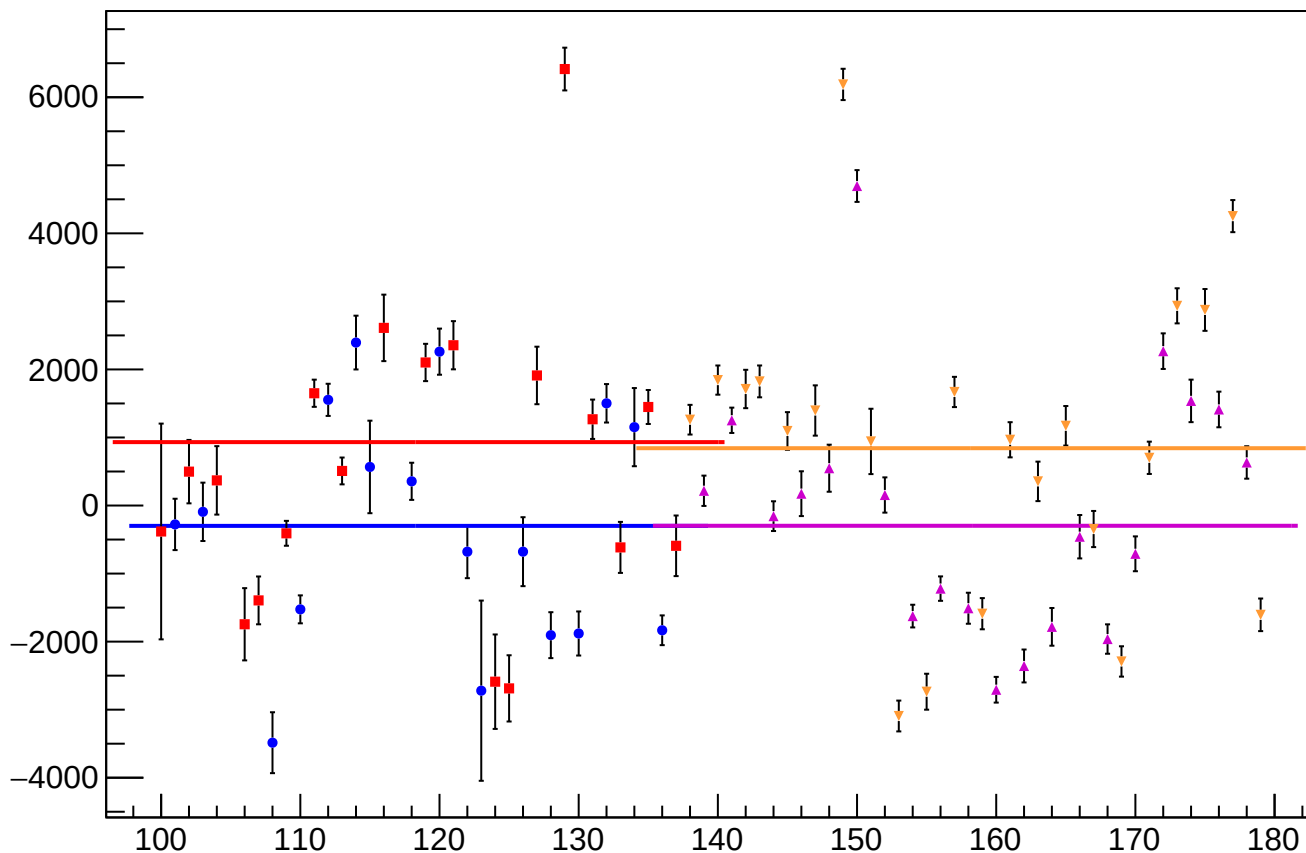
Left In: 201.622 $\pm$ 0.038 χ^2 /NDF: 1013065.5/19

+ sign 212.603 $\pm$ 0.032 χ^2 /NDF: 1928309.4/38

All: 203.610 $\pm$ 0.022 χ^2 /NDF: 4515336.4/77

- sign 195.552 $\pm$ 0.030 χ^2 /NDF: 2439330.2/38

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 842.433 ± 54.067 χ^2/NDF : 1853.2/21

Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

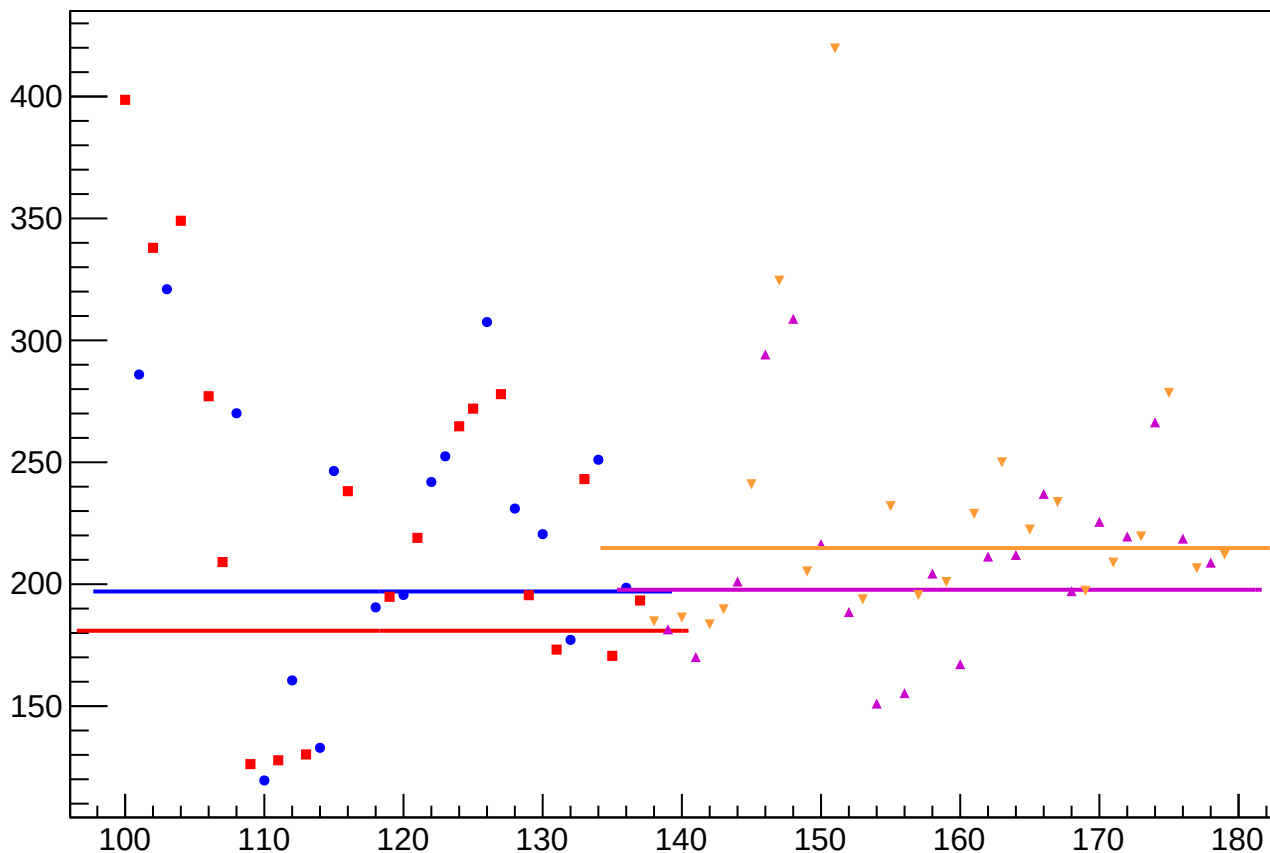
Left In: -297.553 ± 52.076 χ^2/NDF : 1175.8/19

+ sign 485.548 ± 44.824 χ^2/NDF : 2399.1/38

All: 291.838 ± 30.782 χ^2/NDF : 4413.9/77

- sign 118.960 ± 42.345 χ^2/NDF : 1979.5/38

asym_bpm0l08WS_rms vs Slug



Right In: 197.013+/-0.057 χ^2/NDF : 911923.5/16

Left Out: 214.831+/-0.038 χ^2/NDF : 880272.8/21

Right Out: 180.906+/-0.051 χ^2/NDF : 1345685.7/18

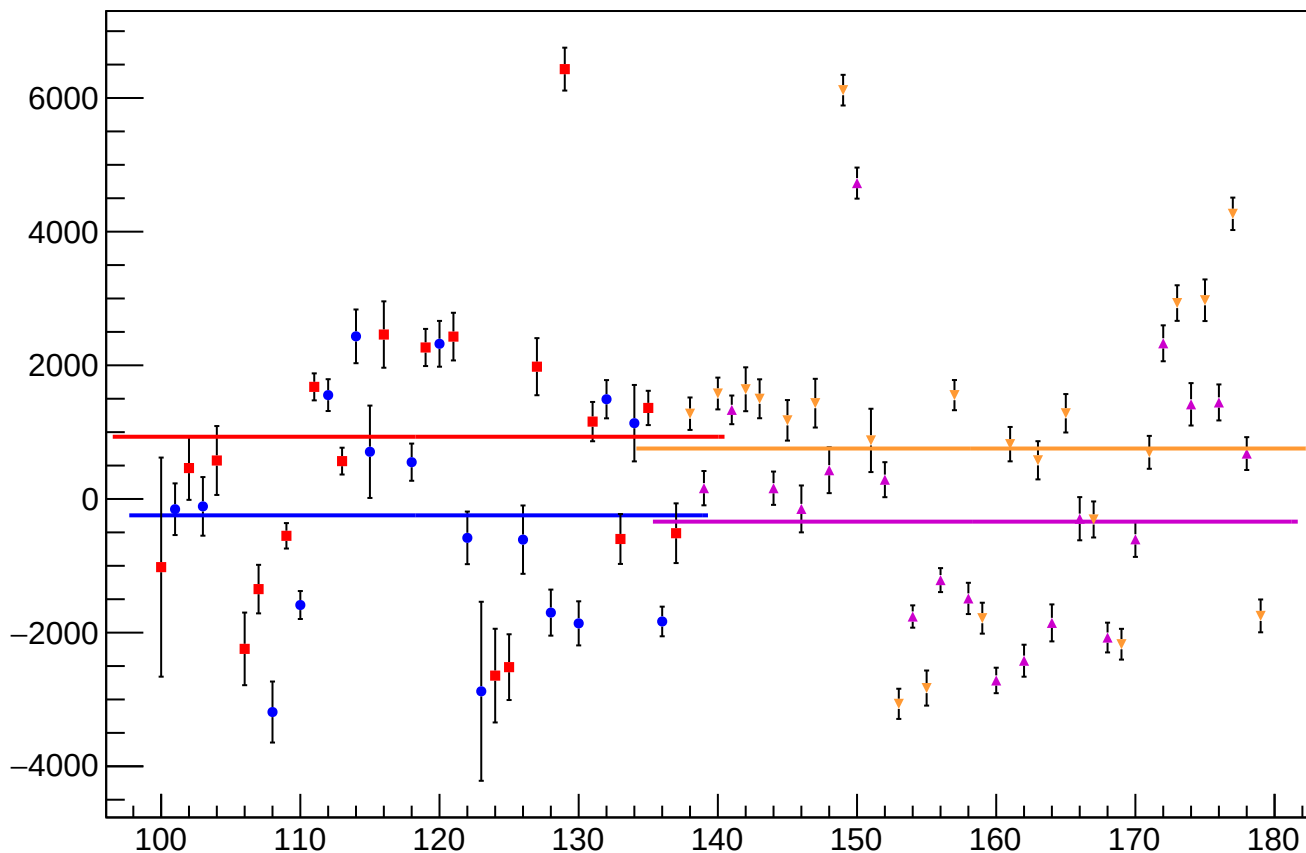
Left In: 197.717+/-0.037 χ^2/NDF : 964549.3/19

+ sign 209.260+/-0.032 χ^2/NDF : 1860111.4/38

All: 200.151+/-0.022 χ^2/NDF : 4397264.3/77

- sign 192.022+/-0.030 χ^2/NDF : 2380847.4/38

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 755.057 ± 56.212 χ^2/NDF : 1799.9/21

Right Out: 931.272 ± 74.206 χ^2/NDF : 609.7/18

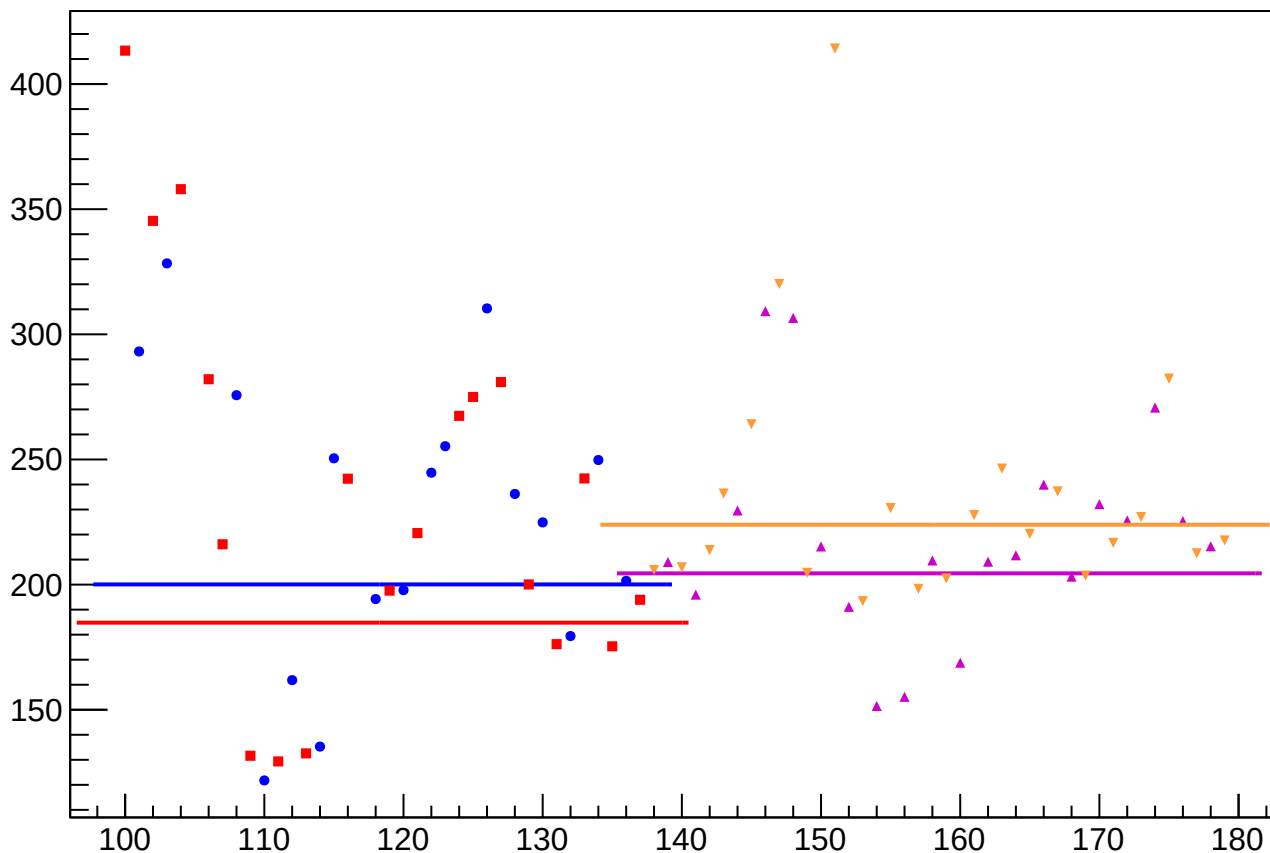
Left In: -339.138 ± 53.899 χ^2/NDF : 1187.8/19

+ sign 432.141 ± 46.254 χ^2/NDF : 2293.5/38

All: 256.108 ± 31.730 χ^2/NDF : 4310.2/77

- sign 99.627 ± 43.610 χ^2/NDF : 1989.4/38

asym_bpm0l09WS_rms vs Slug



Right In: 200.078 $\pm$ 0.058 χ^2 /NDF: 918309.2/16

Left Out: 223.919 $\pm$ 0.040 χ^2 /NDF: 730344.4/21

Right Out: 184.807 $\pm$ 0.052 χ^2 /NDF: 1318267.6/18

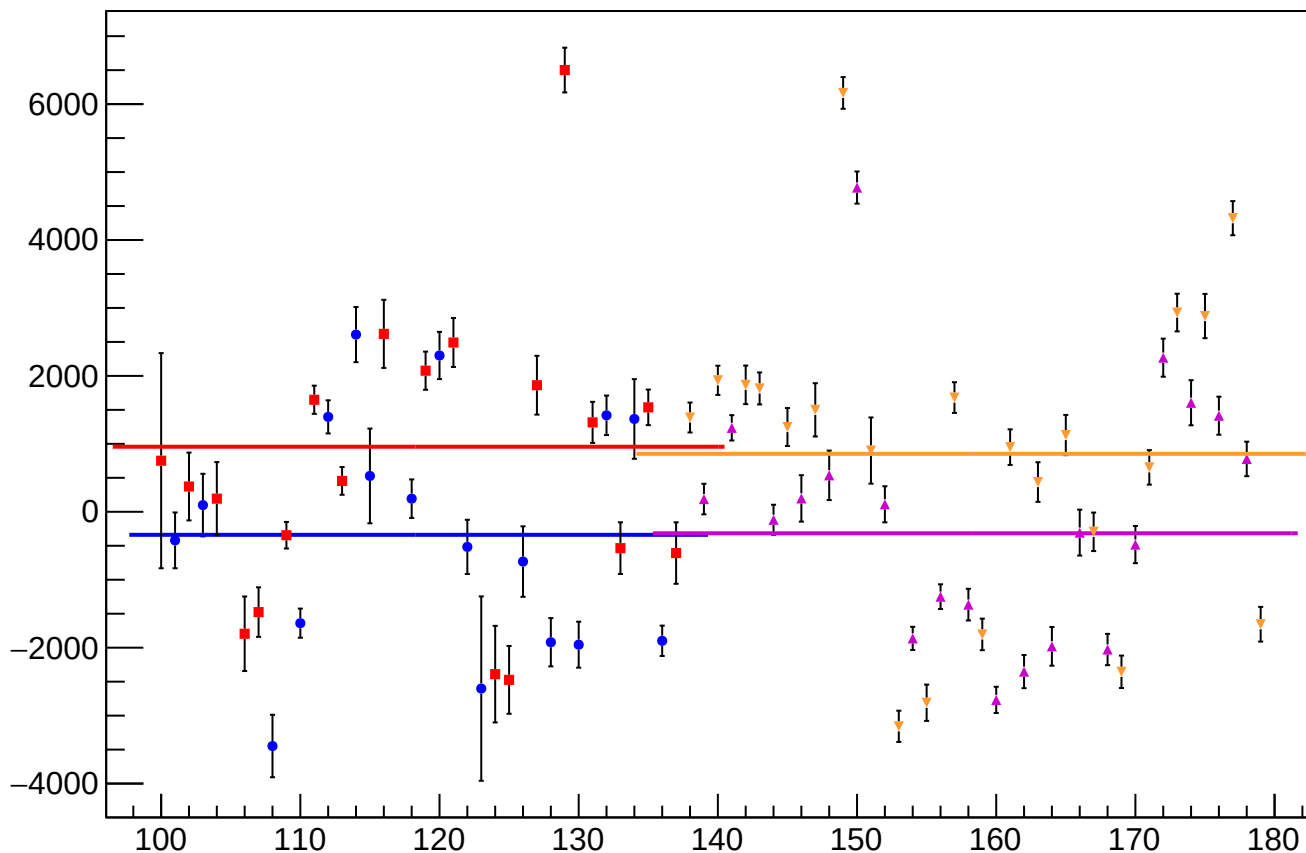
Left In: 204.495 $\pm$ 0.038 χ^2 /NDF: 976132.7/19

+ sign 216.220 $\pm$ 0.033 χ^2 /NDF: 1764831.4/38

All: 206.413 $\pm$ 0.022 χ^2 /NDF: 4321232.7/77

- sign 197.695 $\pm$ 0.031 χ^2 /NDF: 2386555.2/38

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 853.128 ± 55.680 χ^2/NDF : 1803.7/21

Right Out: 957.615 ± 75.749 χ^2/NDF : 570.3/18

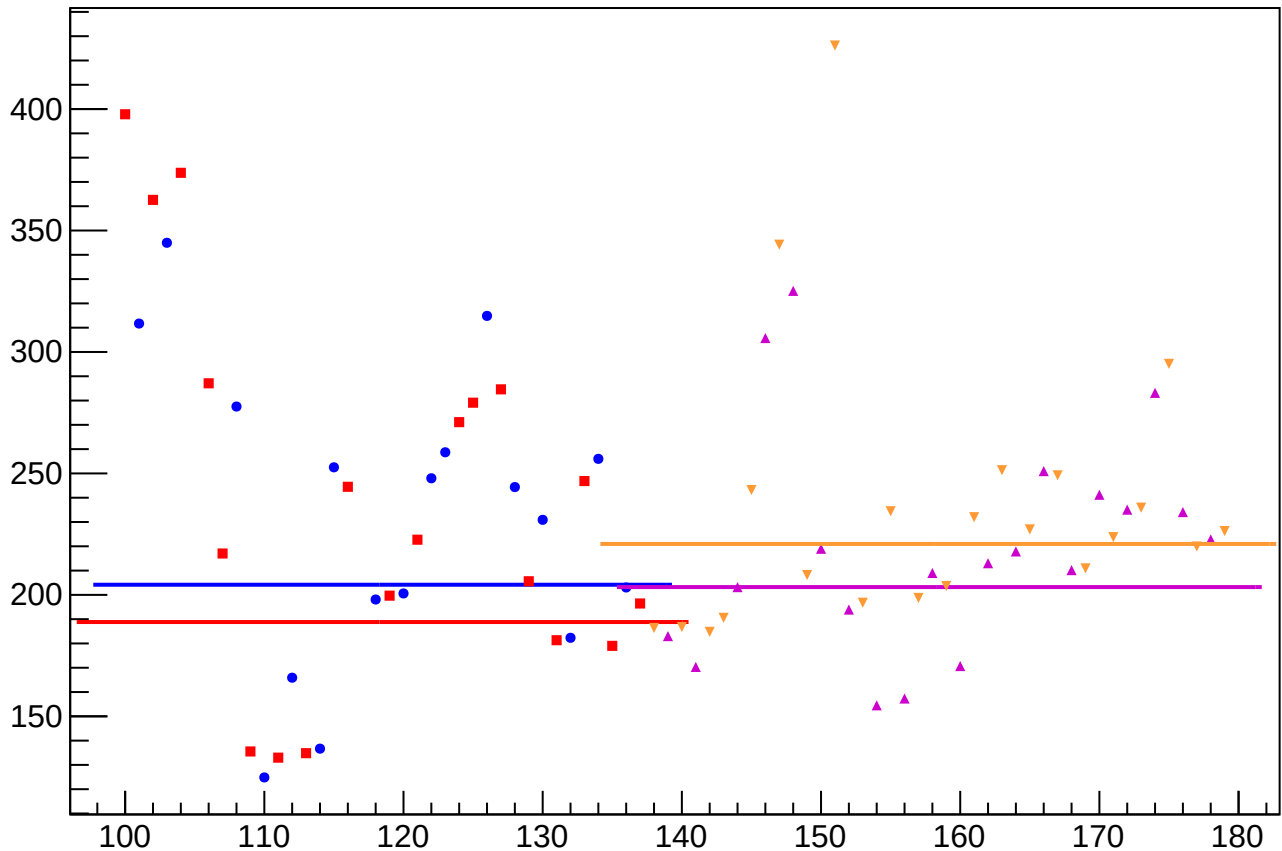
Left In: -316.098 ± 53.641 χ^2/NDF : 1174.7/19

+ sign 483.907 ± 46.260 χ^2/NDF : 2335.2/38

All: 286.280 ± 31.796 χ^2/NDF : 4303.1/77

- sign 109.305 ± 43.776 χ^2/NDF : 1933.3/38

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 $\pm$ 0.059 χ^2 /NDF: 947438.5/16

Left Out: 220.970 $\pm$ 0.039 χ^2 /NDF: 954531.1/21

Right Out: 188.821 $\pm$ 0.054 χ^2 /NDF: 1314891.2/18

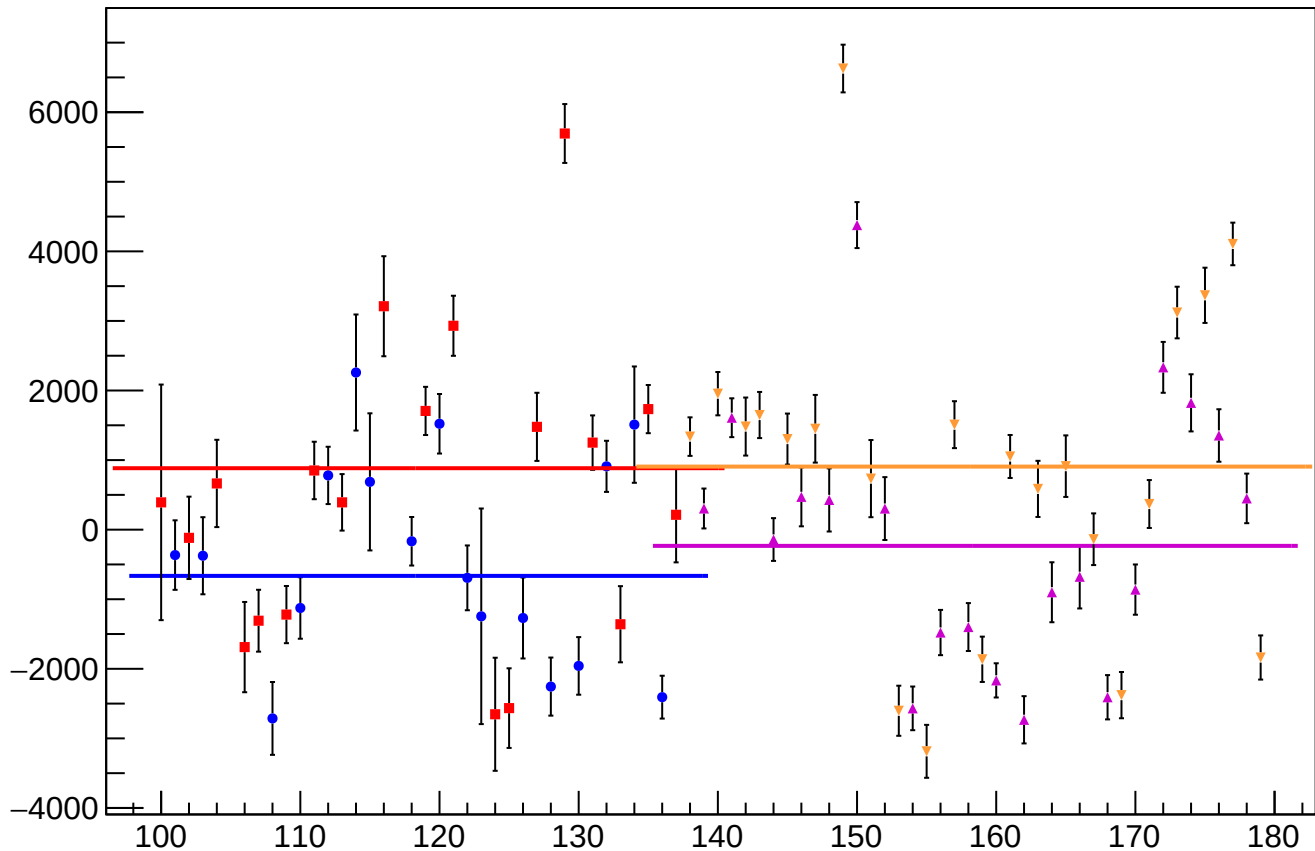
Left In: 203.210 $\pm$ 0.038 χ^2 /NDF: 1109864.5/19

+ sign 215.768 $\pm$ 0.033 χ^2 /NDF: 1958331.1/38

All: 206.608 $\pm$ 0.022 χ^2 /NDF: 4579811.4/77

- sign 198.404 $\pm$ 0.031 χ^2 /NDF: 2472822.0/38

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 $\chi^2/\text{NDF}: 154.3/16$

Left Out: 906.542 ± 75.563 $\chi^2/\text{NDF}: 954.8/21$

Right Out: 883.255 ± 110.875 $\chi^2/\text{NDF}: 320.1/18$

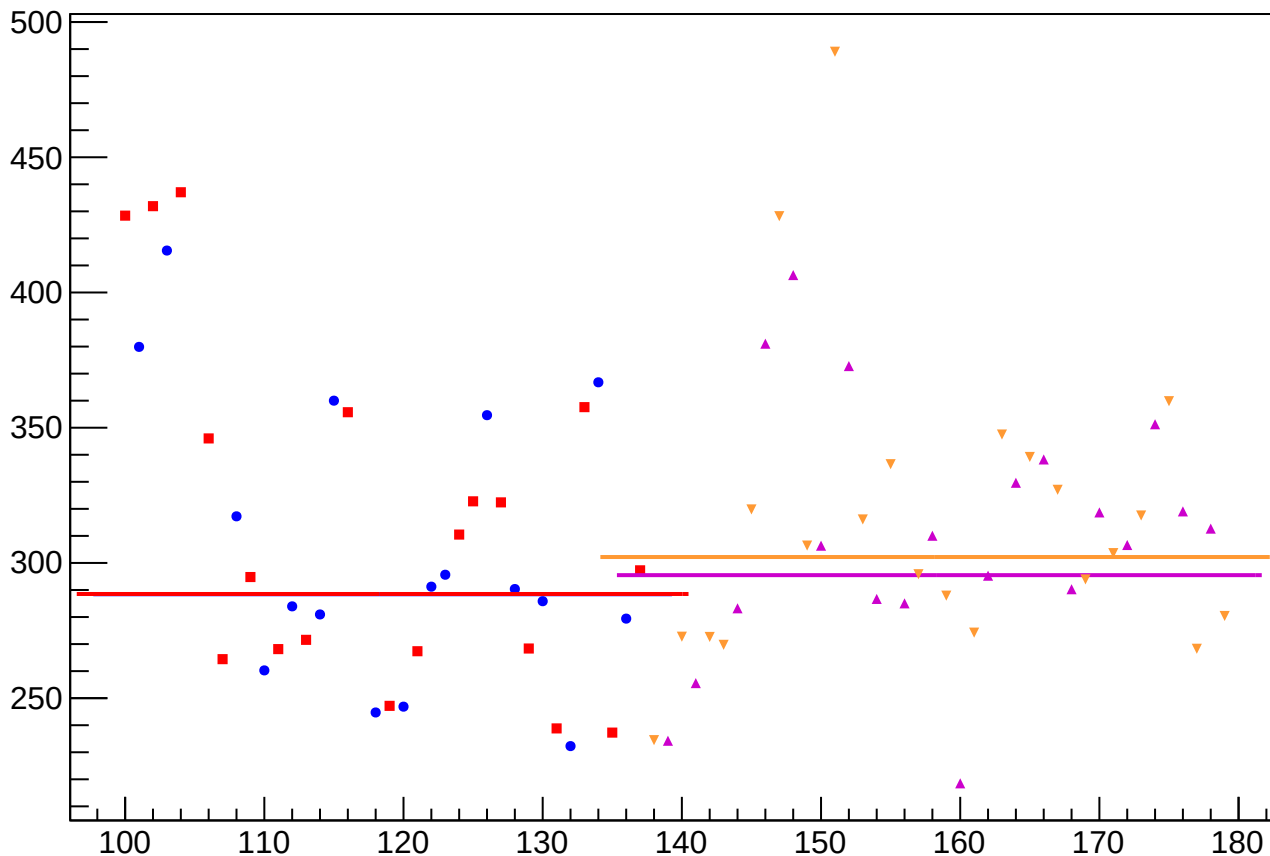
Left In: -232.937 ± 76.837 $\chi^2/\text{NDF}: 594.4/19$

+ sign 426.730 ± 62.975 $\chi^2/\text{NDF}: 1241.2/38$

All: 278.391 ± 44.593 $\chi^2/\text{NDF}: 2235.2/77$

- sign 129.205 ± 63.154 $\chi^2/\text{NDF}: 982.9/38$

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 $\pm$ 0.081 χ^2 /NDF: 339820.0/16

Left Out: 302.189 $\pm$ 0.053 χ^2 /NDF: 702005.8/21

Right Out: 288.522 $\pm$ 0.078 χ^2 /NDF: 455410.1/18

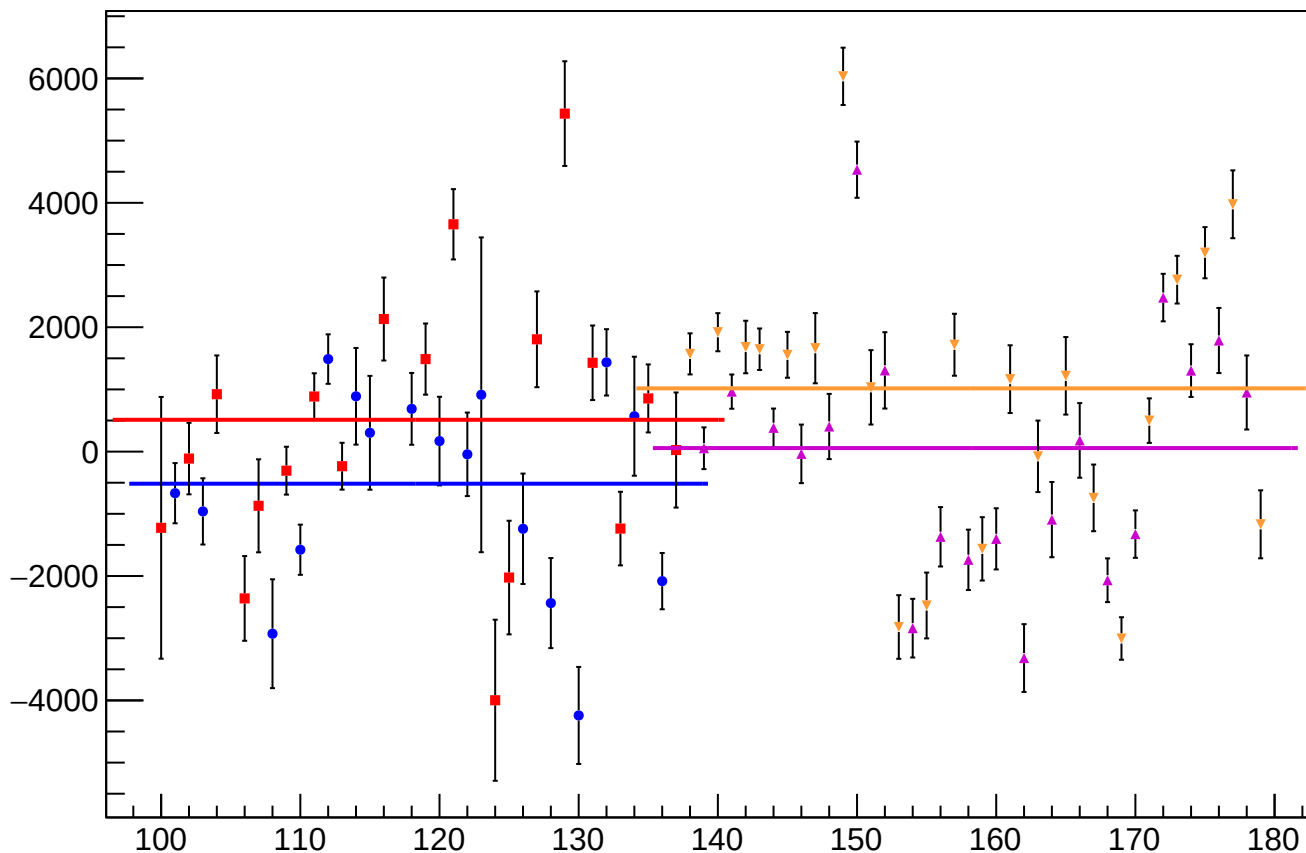
Left In: 295.488 $\pm$ 0.054 χ^2 /NDF: 690766.0/19

+ sign 297.986 $\pm$ 0.045 χ^2 /NDF: 1062086.1/38

All: 295.614 $\pm$ 0.032 χ^2 /NDF: 2219288.7/77

- sign 293.228 $\pm$ 0.045 χ^2 /NDF: 1151509.4/38

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 $\chi^2/\text{NDF}: 108.0/16$

Left Out: 1016.884 ± 92.870 $\chi^2/\text{NDF}: 516.6/21$

Right Out: 511.851 ± 135.798 $\chi^2/\text{NDF}: 141.3/18$

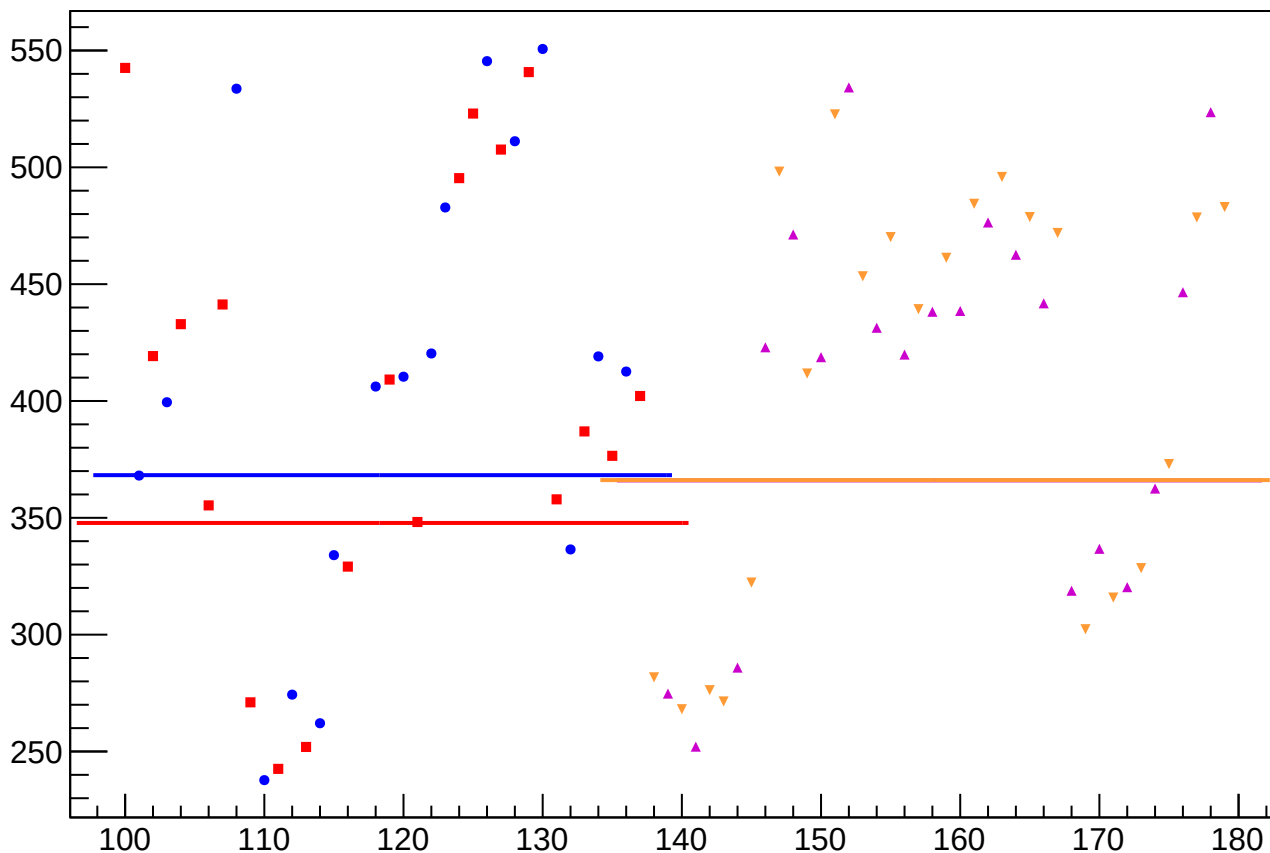
Left In: 56.999 ± 96.117 $\chi^2/\text{NDF}: 337.6/19$

+ sign 581.009 ± 78.564 $\chi^2/\text{NDF}: 702.1/38$

All: 394.650 ± 55.514 $\chi^2/\text{NDF}: 1199.7/77$

- sign 208.812 ± 78.454 $\chi^2/\text{NDF}: 486.4/38$

asym_bpm0r05WS_rms vs Slug



Right In: 368.264 $\pm$ 0.104 χ^2 /NDF: 770116.6/16

Left Out: 366.143 $\pm$ 0.066 χ^2 /NDF: 1774979.5/21

Right Out: 347.802 $\pm$ 0.096 χ^2 /NDF: 821862.5/18

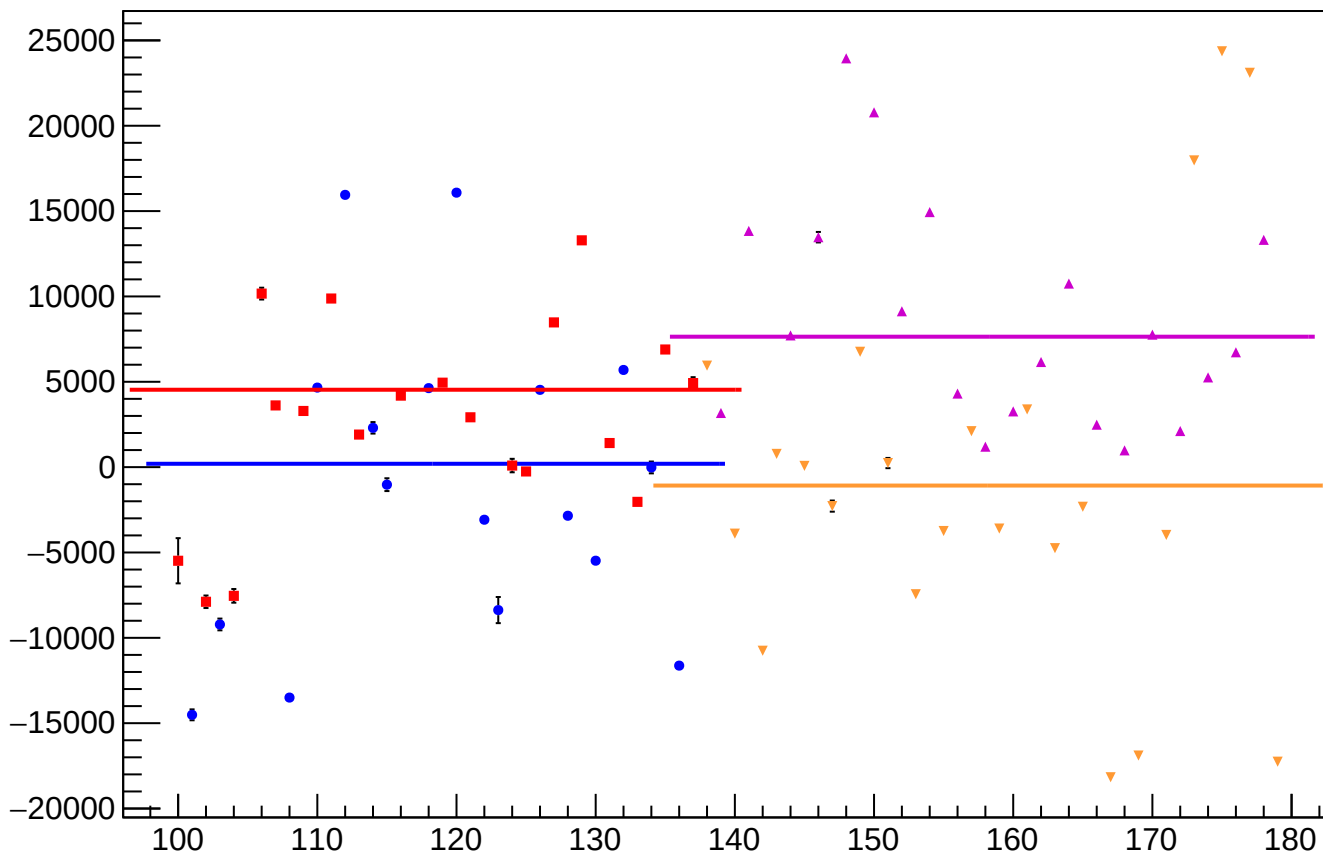
Left In: 366.012 $\pm$ 0.068 χ^2 /NDF: 1492638.0/19

+ sign 366.746 $\pm$ 0.056 χ^2 /NDF: 2545392.9/38

All: 363.335 $\pm$ 0.039 χ^2 /NDF: 4891380.9/77

- sign 359.934 $\pm$ 0.055 χ^2 /NDF: 2338459.3/38

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 $\pm$ 54.799 χ^2 /NDF: 30658.3/16

Left Out: -1079.039 $\pm$ 43.777 χ^2 /NDF:56246.0/21

Right Out: 4534.200 $\pm$ 52.462 χ^2 /NDF: 7477.2/18

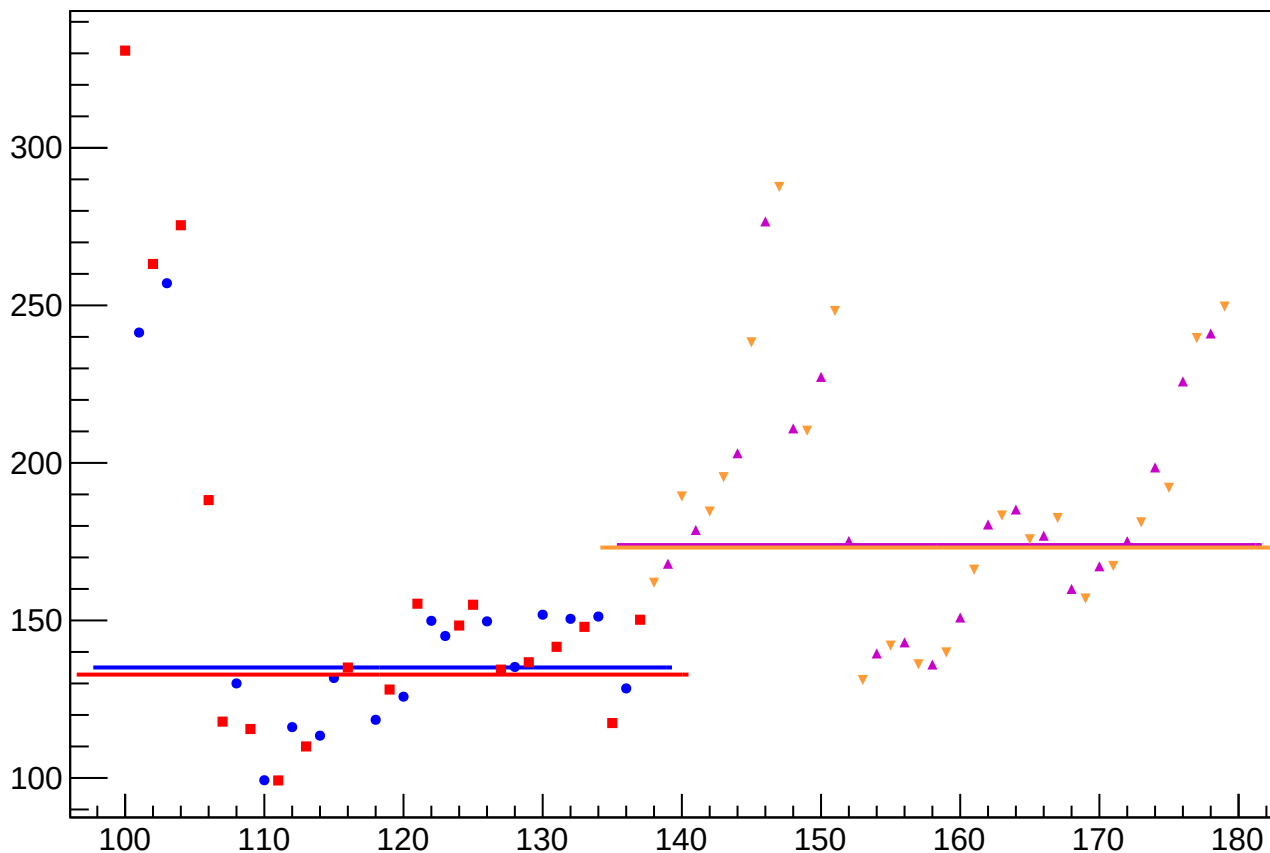
Left In: 7641.492 $\pm$ 45.723 χ^2 /NDF:17736.2/19

+ sign -581.928 $\pm$ 34.203 χ^2 /NDF: 87235.3/38

All: 2832.420 $\pm$ 24.279 χ^2 /NDF: 134528.7/77

- sign 6300.104 $\pm$ 34.469 χ^2 /NDF: 27207.1/38

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 173.137+/-0.031 χ^2/NDF :1332023.5/21

Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

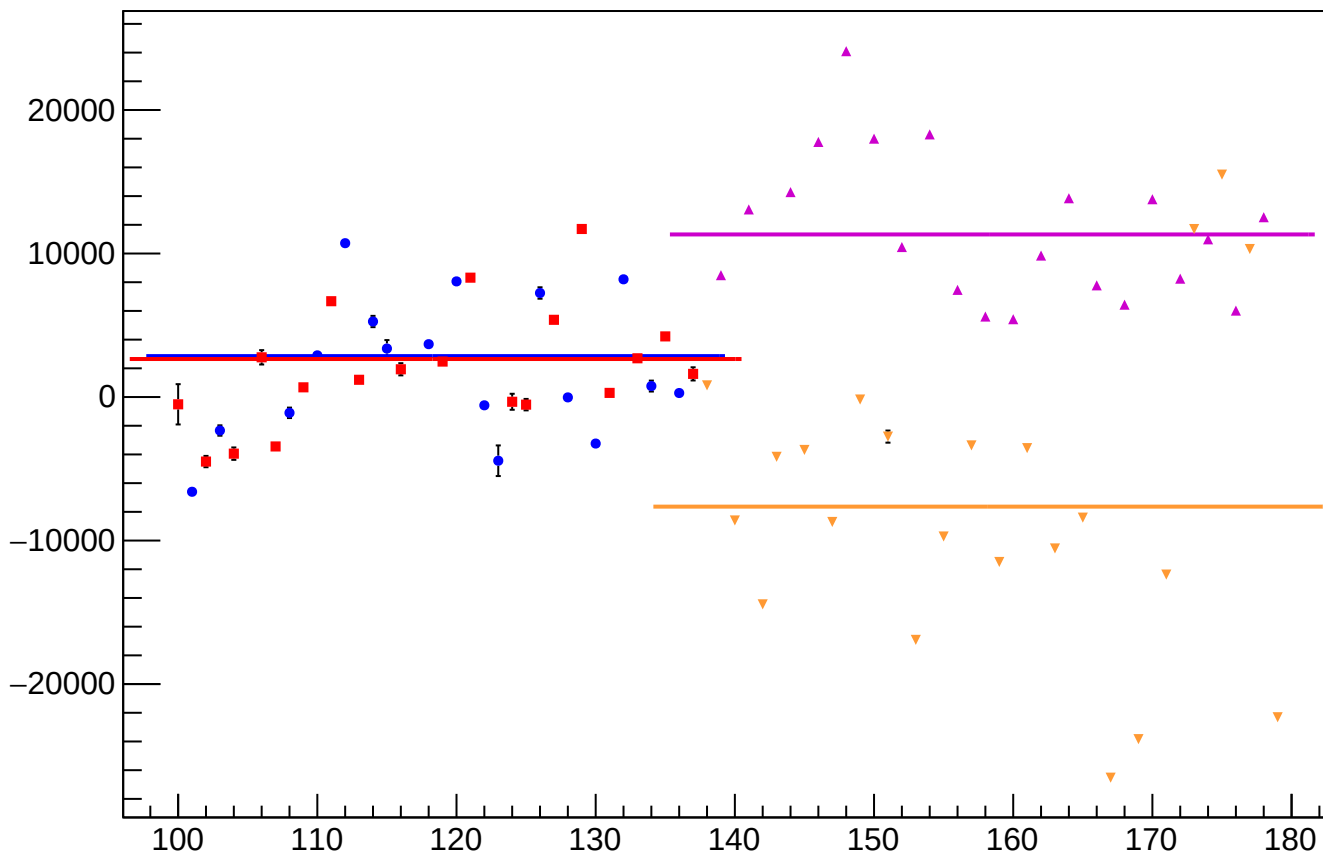
Left In: 173.928+/-0.032 χ^2/NDF :977401.3/19

+ sign 158.308+/-0.024 χ^2/NDF : 2579821.6/38

All: 157.252+/-0.017 χ^2/NDF : 5090263.5/77

- sign 156.180+/-0.024 χ^2/NDF : 2506602.6/38

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -7636.273+/-48.312 χ^2/NDF : 49025.2/21

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

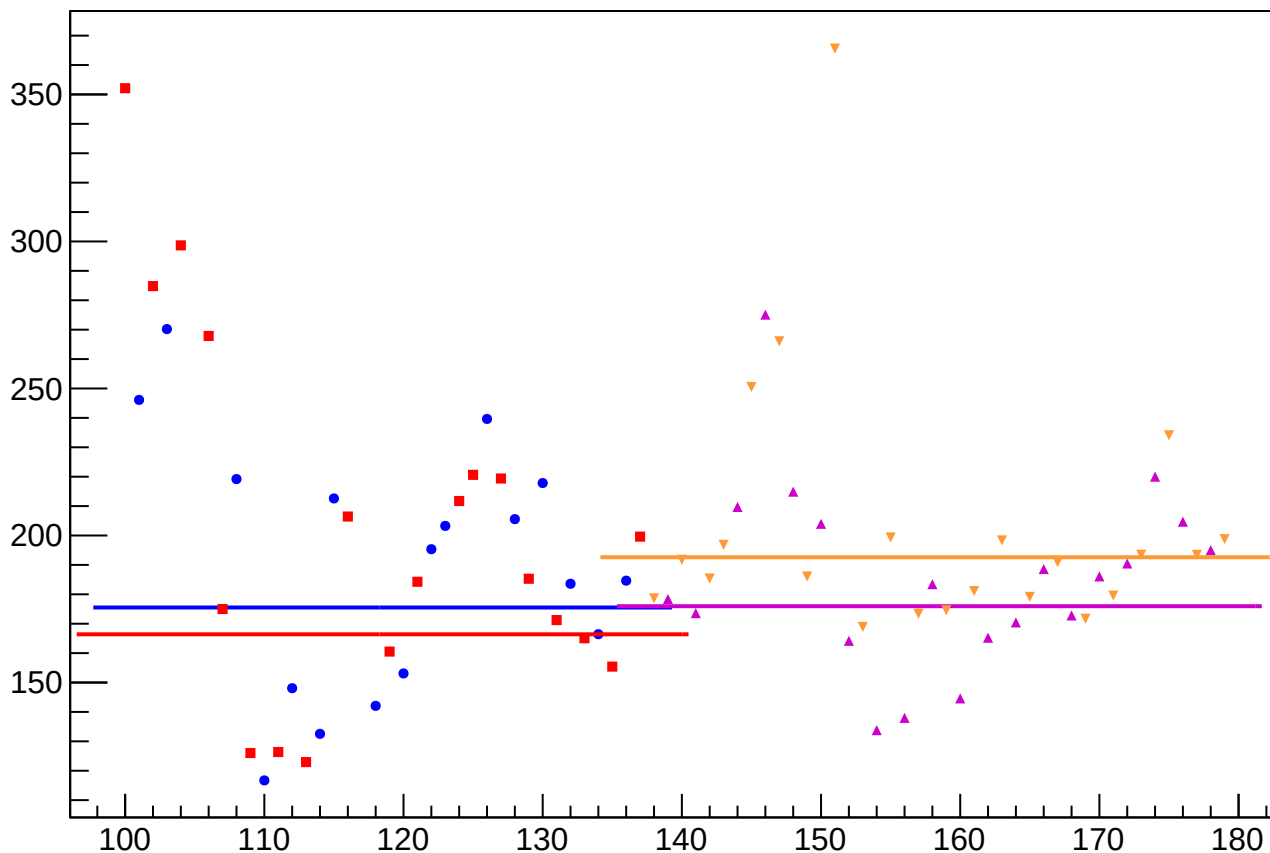
Left In: 11329.195+/-46.225 χ^2/NDF : 11325.5/19

+ sign -4301.355+/-39.898 χ^2/NDF : 68188.6/38

All: 2420.106+/-27.445 χ^2/NDF : 148229.0/77

- sign 8456.914+/-37.811 χ^2/NDF : 26169.1/38

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 192.607 $\pm$ 0.034 χ^2 /NDF: 712704.7/21

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

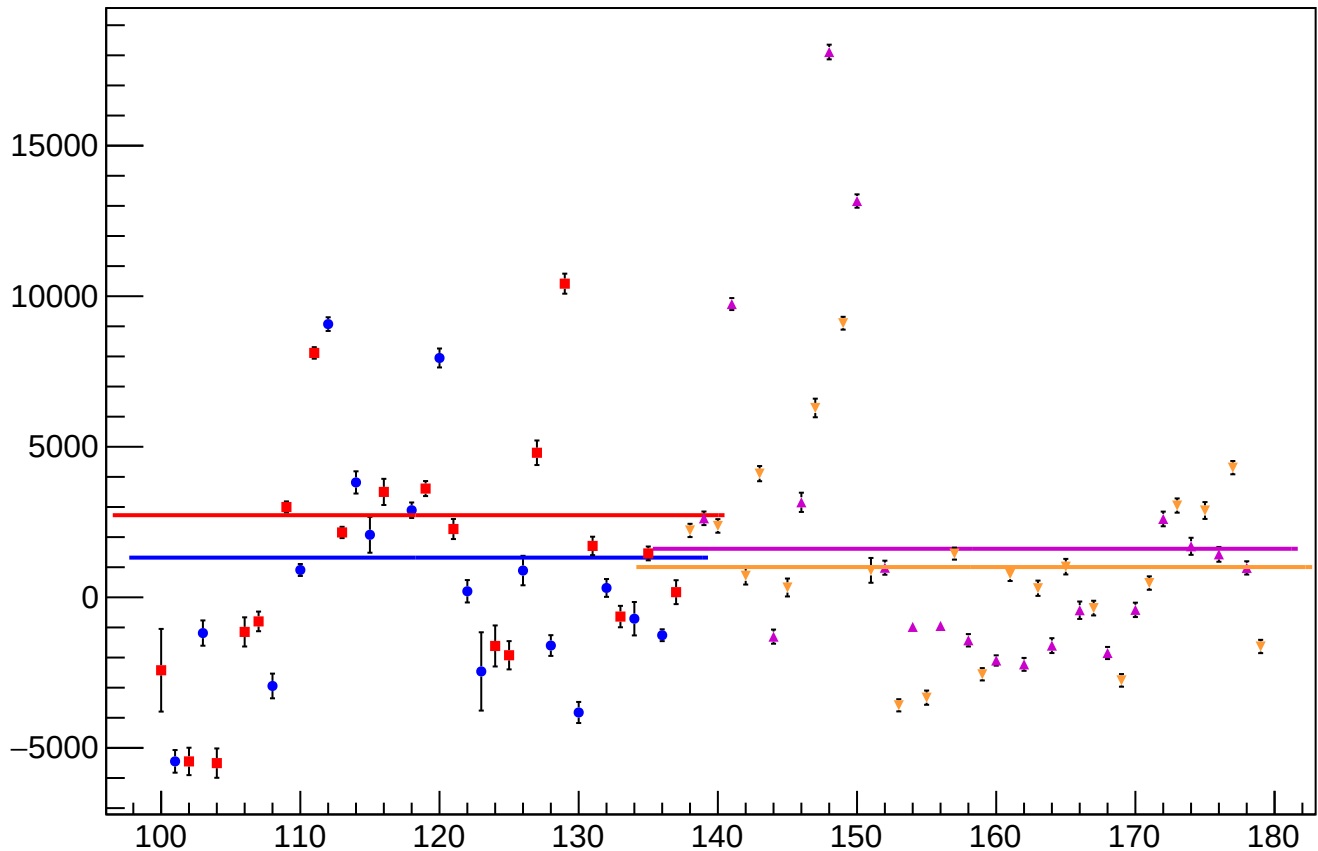
Left In: 175.955 $\pm$ 0.033 χ^2 /NDF: 822884.2/19

+ sign 187.172 $\pm$ 0.028 χ^2 /NDF: 1481954.9/38

All: 179.596 $\pm$ 0.019 χ^2 /NDF: 3399584.0/77

- sign 172.791 $\pm$ 0.027 χ^2 /NDF: 1780740.2/38

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1005.570+/-50.712 χ^2/NDF : 3970.3/21

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

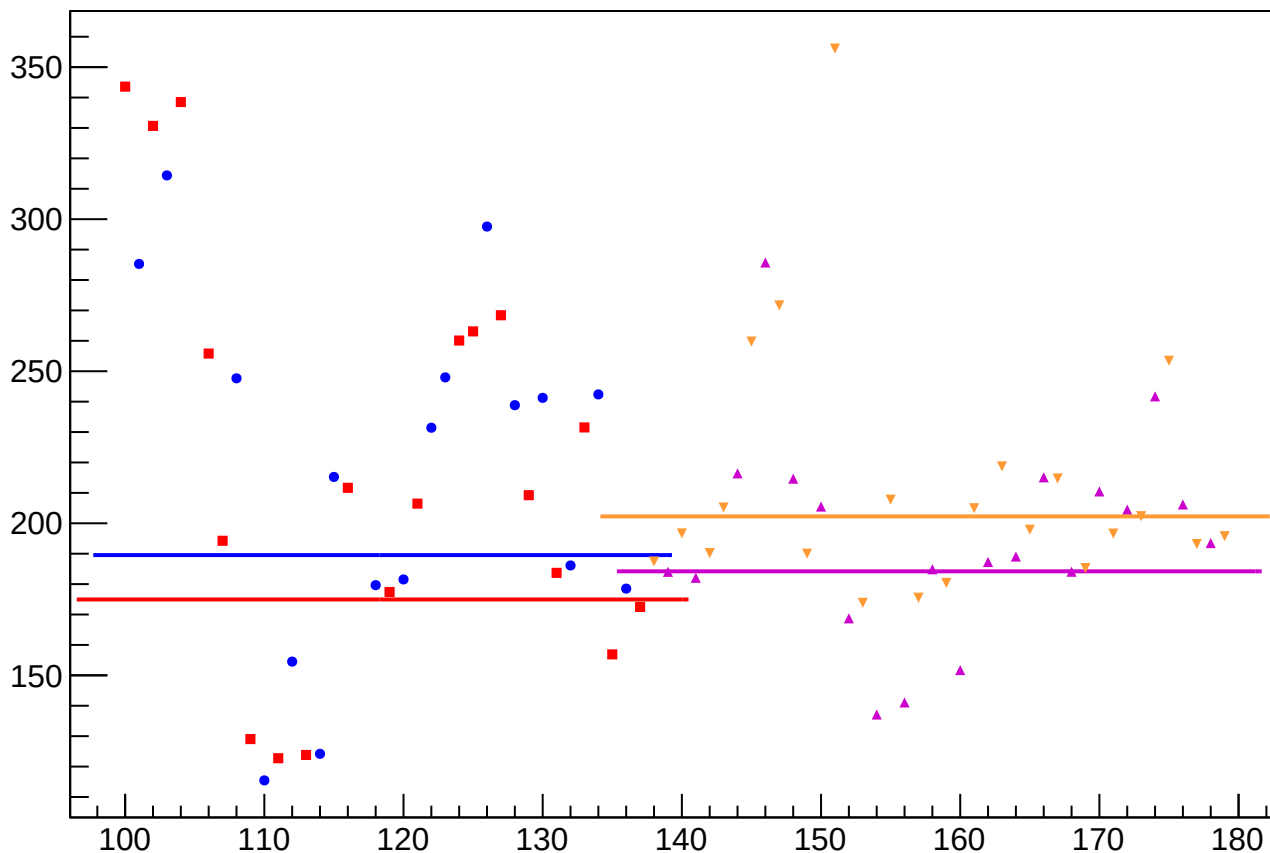
Left In: 1612.533+/-48.463 χ^2/NDF : 11312.3/19

+ sign 1100.144+/-42.376 χ^2/NDF : 6648.9/38

All: 1563.717+/-29.030 χ^2/NDF : 20854.1/77

- sign 1973.689+/-39.851 χ^2/NDF : 13979.7/38

asym_bpm0i05WS_rms vs Slug



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 202.261+/-0.036 χ^2/NDF : 674679.9/21

Right Out: 174.944+/-0.050 χ^2/NDF : 1297106.6/18

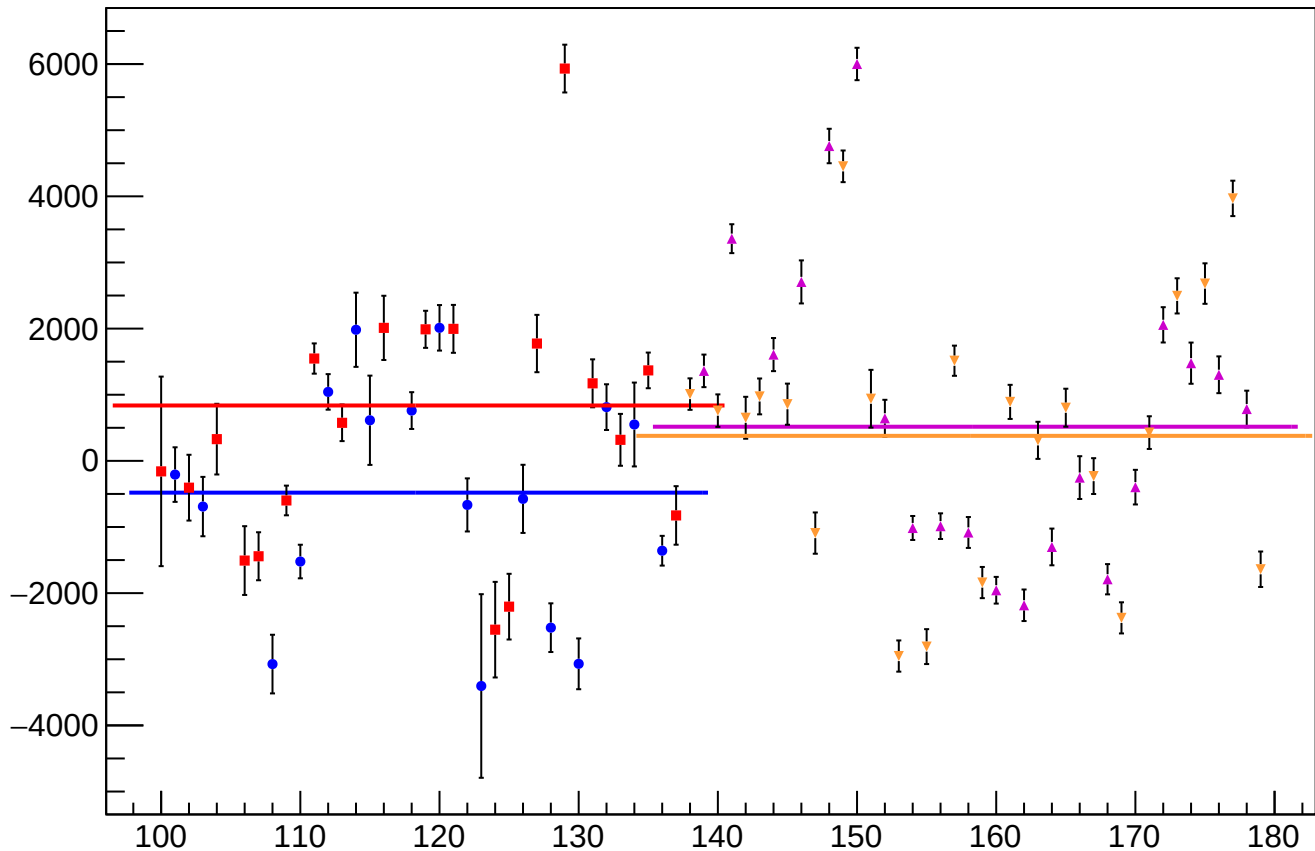
Left In: 184.200+/-0.034 χ^2/NDF : 867643.5/19

+ sign 198.424+/-0.030 χ^2/NDF : 1693372.6/38

All: 189.285+/-0.021 χ^2/NDF : 4057045.5/77

- sign 181.203+/-0.028 χ^2/NDF : 2188378.3/38

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 378.387 ± 56.693 χ^2/NDF : 1293.7/21

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

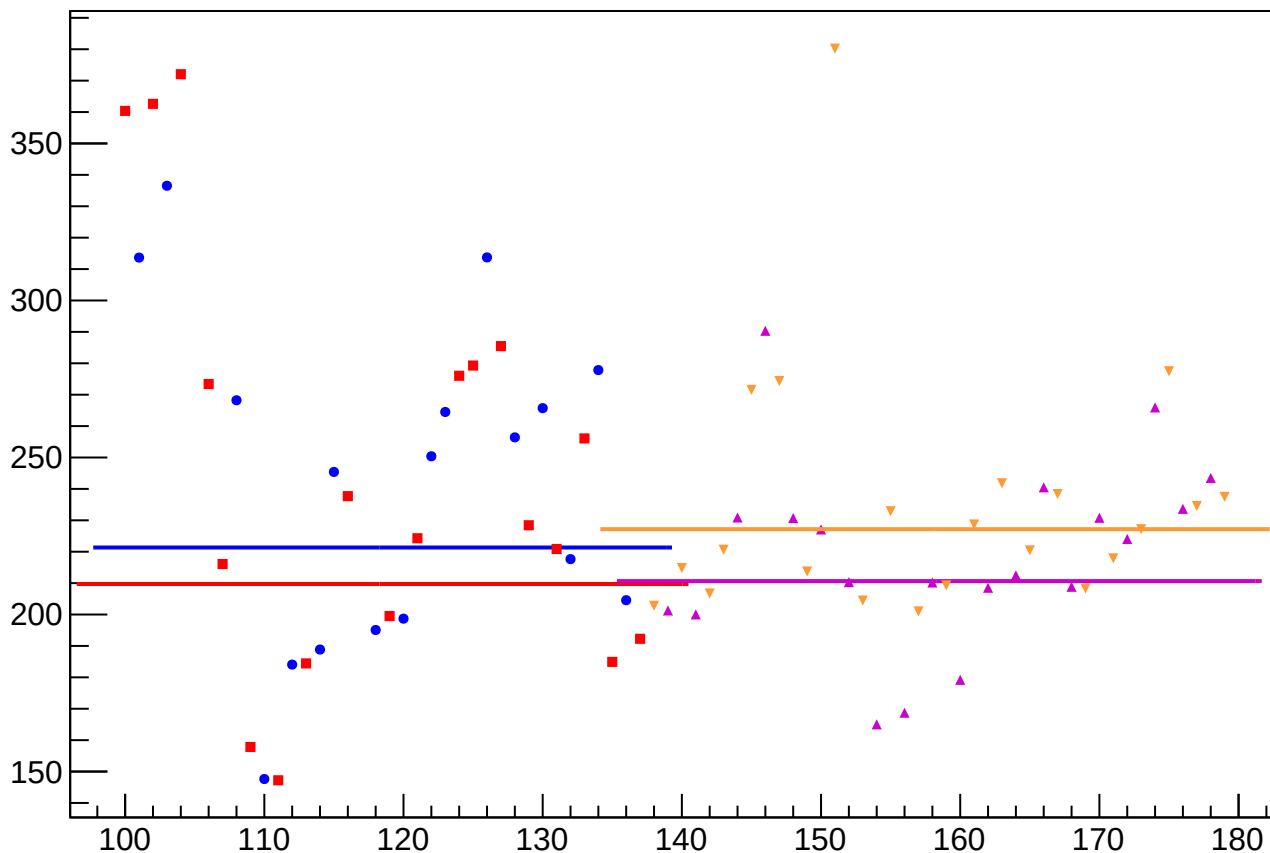
Left In: 516.322 ± 54.969 χ^2/NDF : 1682.9/19

+ sign 129.018 ± 47.760 χ^2/NDF : 1651.0/38

All: 382.960 ± 33.019 χ^2/NDF : 3833.9/77

- sign 615.479 ± 45.701 χ^2/NDF : 2128.7/38

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 227.180 $\pm$ 0.040 χ^2 /NDF: 515843.3/21

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

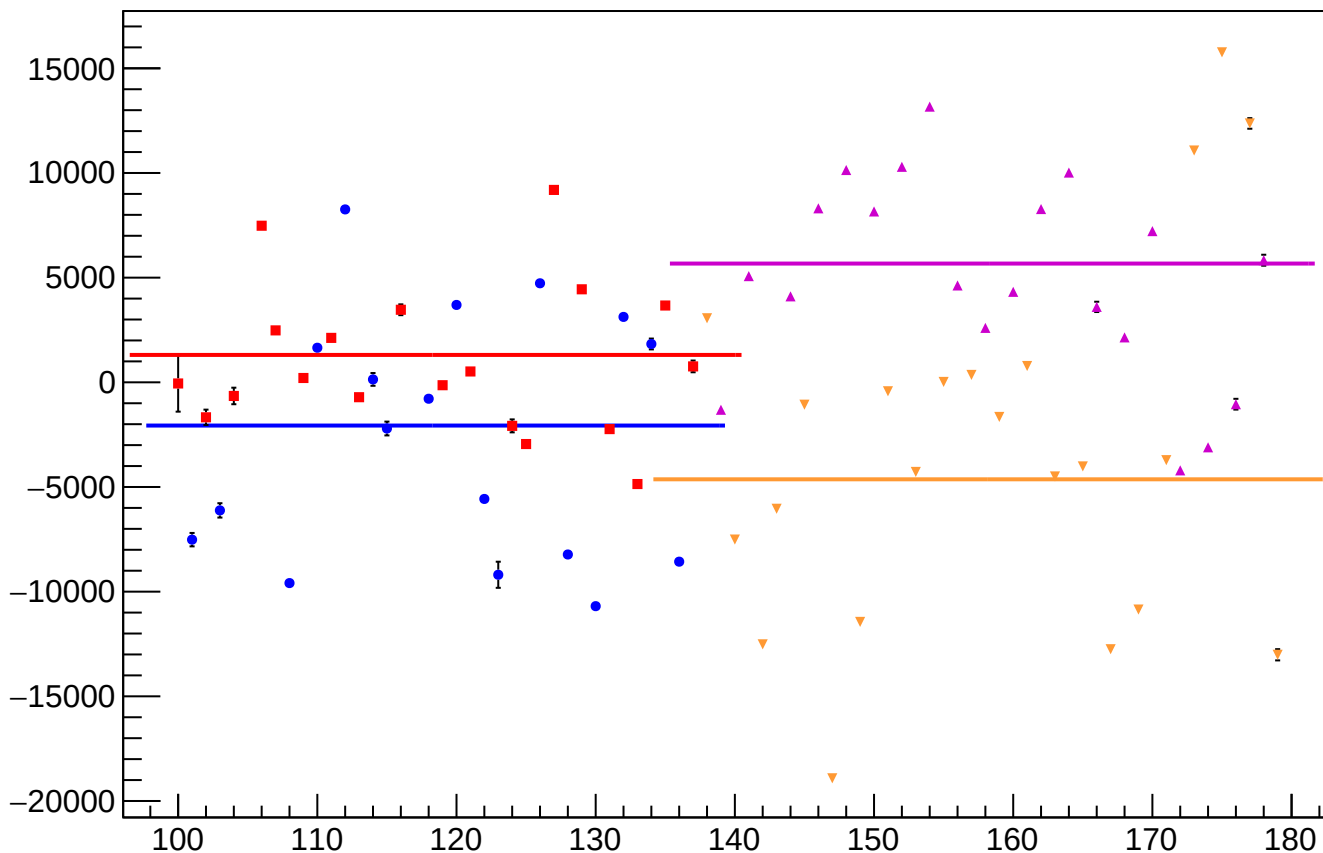
Left In: 210.646 $\pm$ 0.039 χ^2 /NDF: 569089.0/19

+ sign 225.486 $\pm$ 0.034 χ^2 /NDF: 1167689.0/38

All: 217.589 $\pm$ 0.023 χ^2 /NDF: 2725598.5/77

- sign 210.359 $\pm$ 0.032 χ^2 /NDF: 1453183.3/38

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -4633.415 ± 34.509 $\chi^2/\text{NDF}: 50432.1/21$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

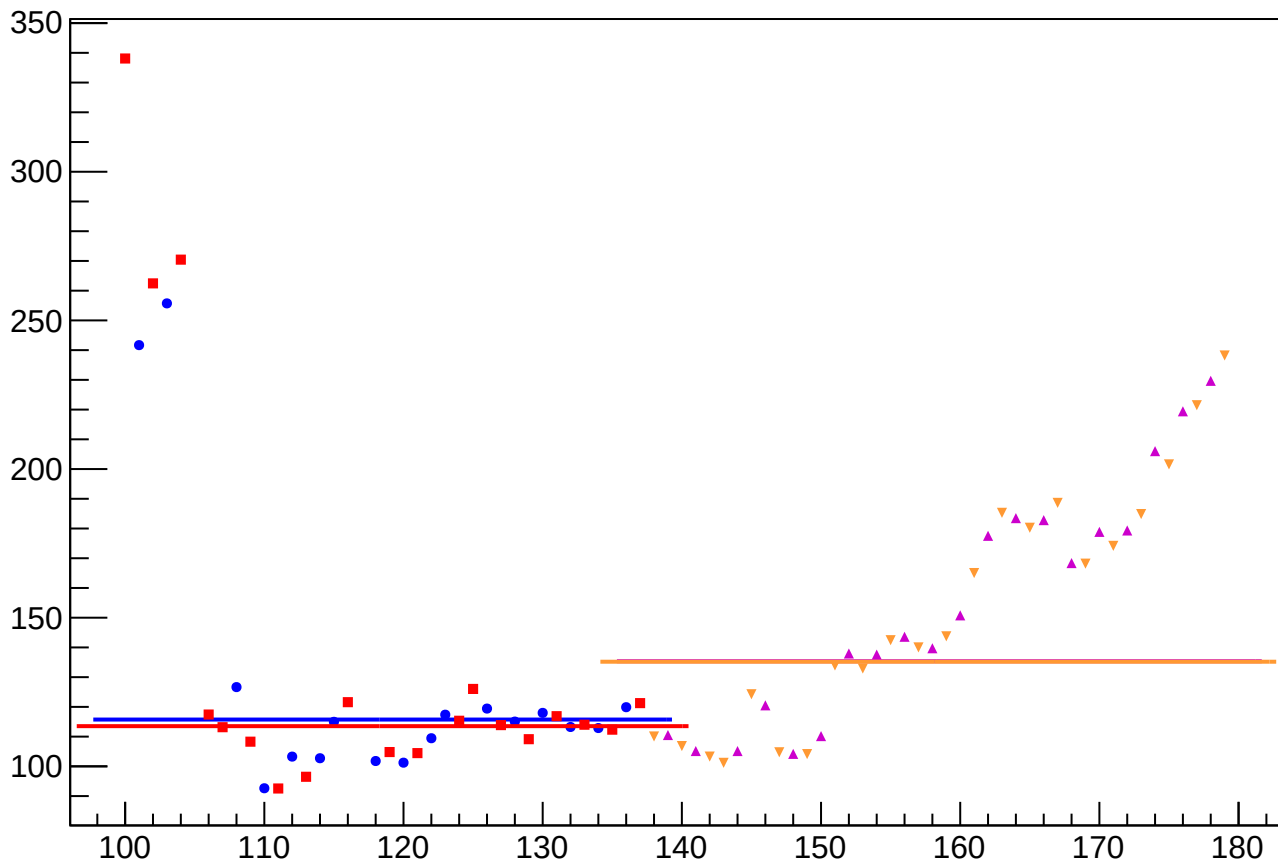
Left In: 5672.812 ± 35.753 $\chi^2/\text{NDF}: 14090.8/19$

+ sign -3741.791 ± 27.883 $\chi^2/\text{NDF}: 68888.2/38$

All: 105.818 ± 19.755 $\chi^2/\text{NDF}: 132874.5/77$

- sign 3984.008 ± 27.993 $\chi^2/\text{NDF}: 25751.2/38$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 $\pm$ 0.033 χ^2 /NDF: 744017.7/16

Left Out: 135.194 $\pm$ 0.024 χ^2 /NDF: 2006897.3/21

Right Out: 113.519 $\pm$ 0.032 χ^2 /NDF: 796640.6/18

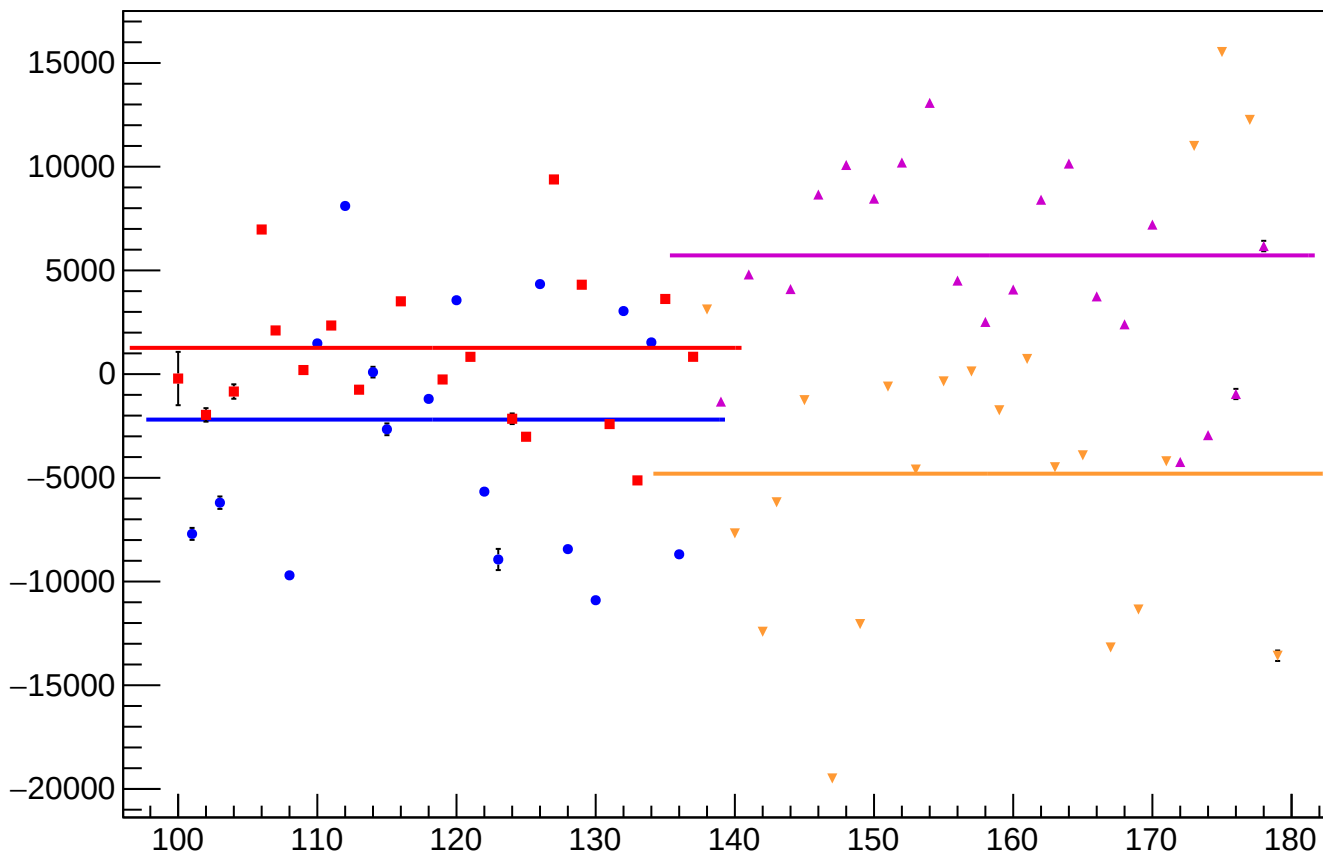
Left In: 135.355 $\pm$ 0.025 χ^2 /NDF: 1743908.8/19

+ sign 128.440 $\pm$ 0.020 χ^2 /NDF: 2971548.6/38

All: 127.676 $\pm$ 0.014 χ^2 /NDF: 5803804.3/77

- sign 126.906 $\pm$ 0.020 χ^2 /NDF: 2829239.4/38

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 χ^2/NDF : 22813.5/16

Left Out: -4800.119 ± 31.337 χ^2/NDF : 59515.5/21

Right Out: 1266.189 ± 38.048 χ^2/NDF : 8550.5/18

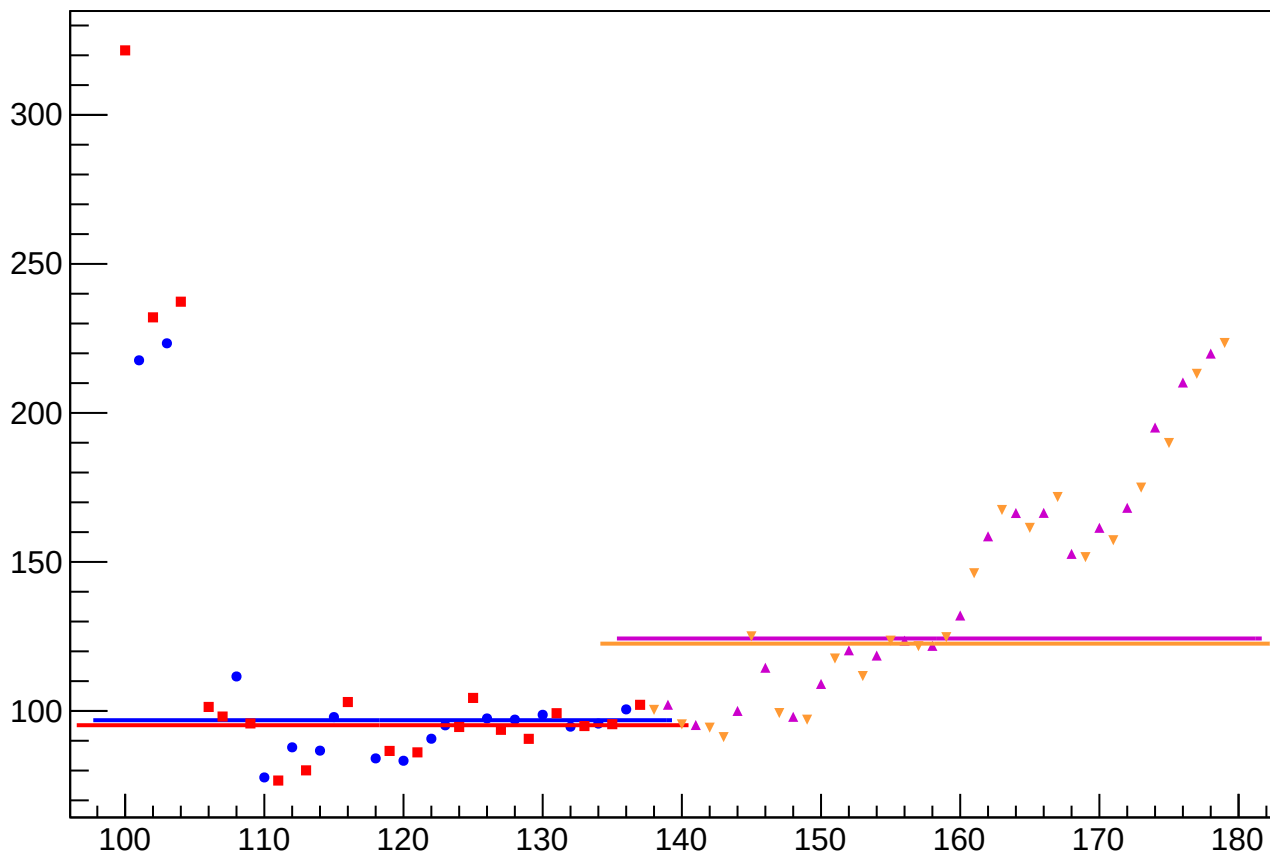
Left In: 5723.519 ± 32.815 χ^2/NDF : 16893.7/19

+ sign -3806.587 ± 24.655 χ^2/NDF : 84967.5/38

All: -22.173 ± 17.502 χ^2/NDF : 165776.4/77

- sign 3822.225 ± 24.850 χ^2/NDF : 33314.2/38

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 122.582+/-0.022 χ^2/NDF : 2037601.4/21

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

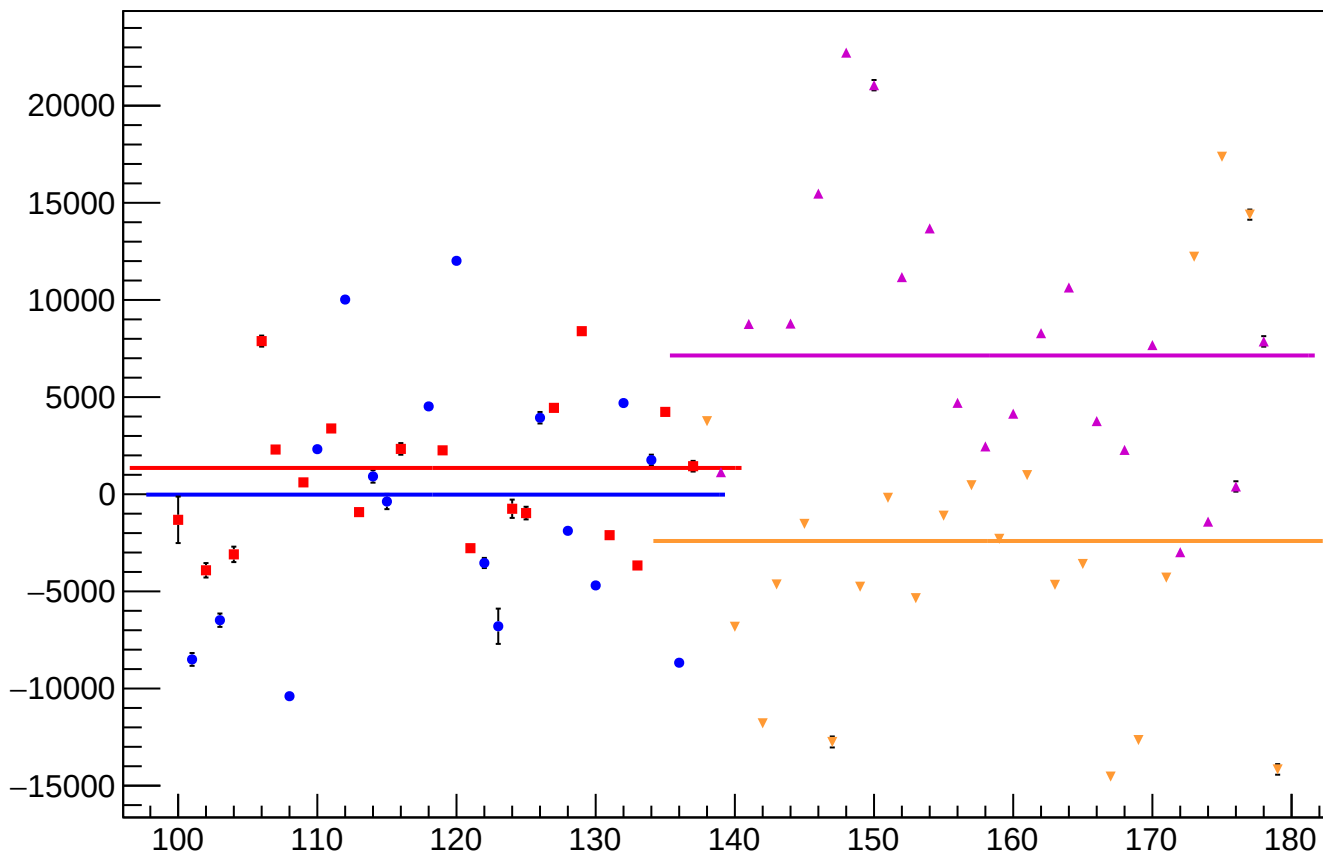
Left In: 124.311+/-0.023 χ^2/NDF : 1658382.7/19

+ sign 112.795+/-0.017 χ^2/NDF : 3366839.5/38

All: 112.351+/-0.012 χ^2/NDF : 6557097.6/77

- sign 111.899+/-0.018 χ^2/NDF : 3188948.8/38

asym_bpm1i06WS_mean vs Slug



Right In: -19.990+/-54.643 χ^2 /NDF: 16361.0/16

Left Out: -2405.873+/-41.912 χ^2 /NDF:30324.9/21

Right Out: 1353.461+/-52.367 χ^2 /NDF: 3837.2/18

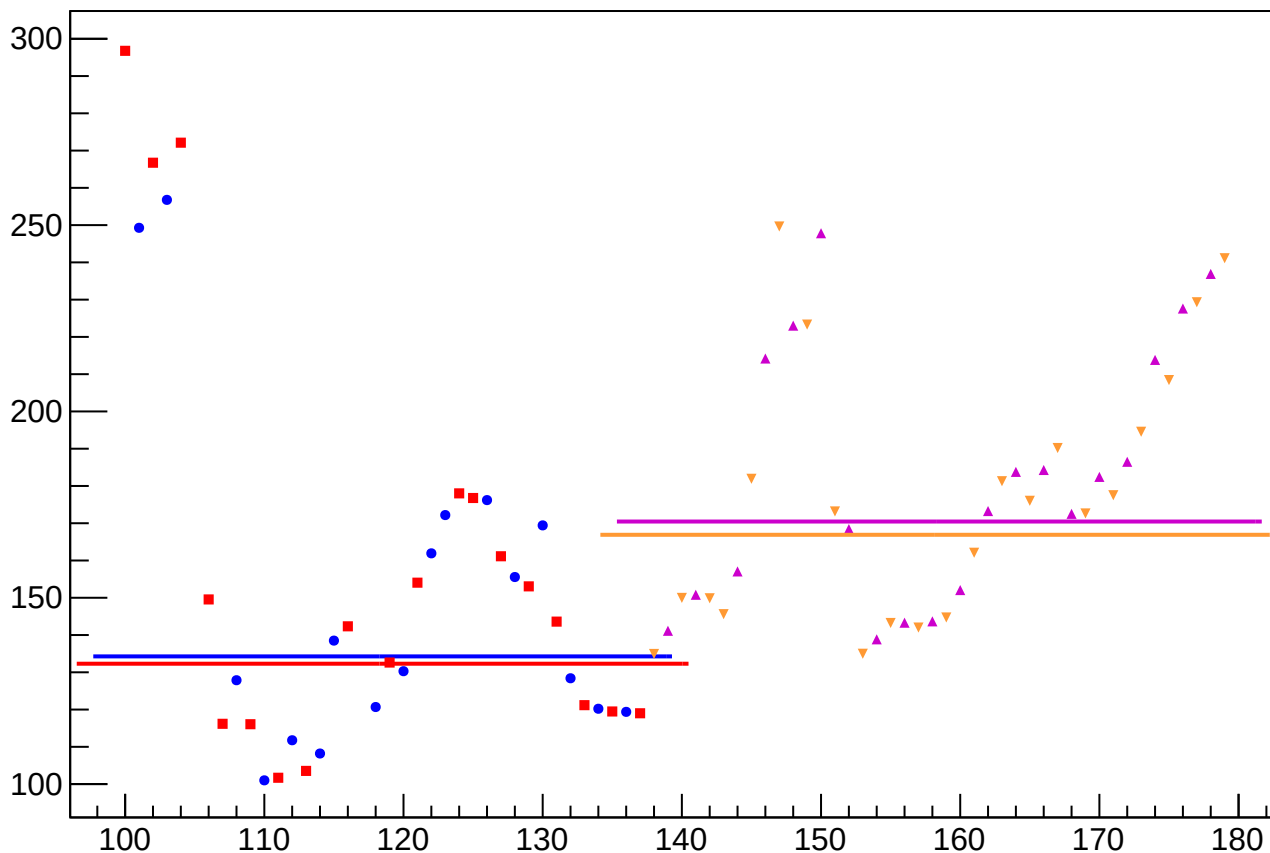
Left In: 7142.264+/-44.445 χ^2 /NDF:17728.2/19

+ sign -1522.161+/-33.256 χ^2 /NDF: 47886.3/38

All: 1539.562+/-23.735 χ^2 /NDF: 93831.0/77

- sign 4718.365+/-33.886 χ^2 /NDF: 28668.5/38

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 $\pm$ 0.039 χ^2 /NDF: 788647.0/16

Left Out: 166.899 $\pm$ 0.030 χ^2 /NDF:1044150.2/21

Right Out: 132.302 $\pm$ 0.037 χ^2 /NDF: 869892.7/18

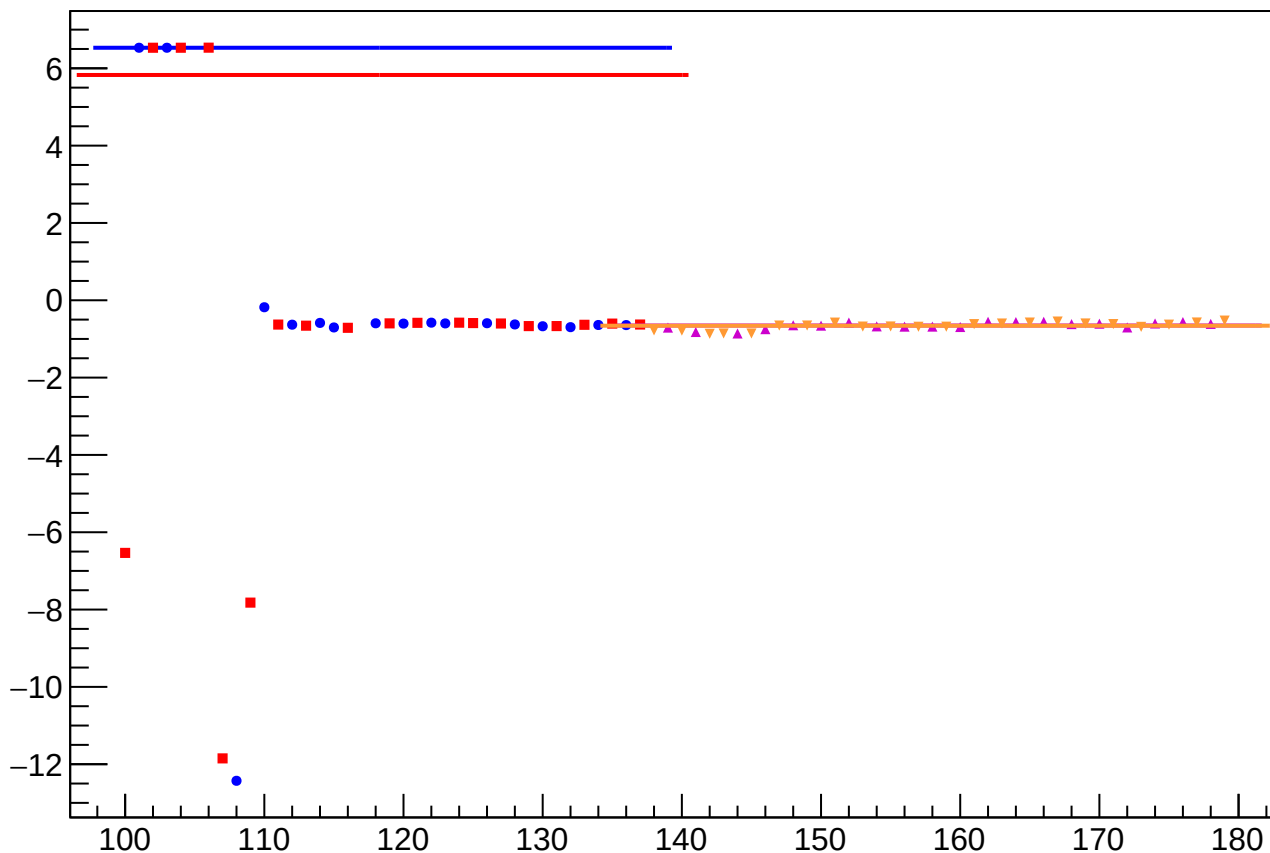
Left In: 170.458 $\pm$ 0.031 χ^2 /NDF:942274.8/19

+ sign 154.812 $\pm$ 0.024 χ^2 /NDF: 2281835.0/38

All: 154.650 $\pm$ 0.017 χ^2 /NDF: 4711308.6/77

- sign 154.481 $\pm$ 0.024 χ^2 /NDF: 2429376.5/38

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

Left Out: -0.658 $\pm$ 0.000 χ^2 /NDF: 164255686.3/21

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755948646460090.5/18

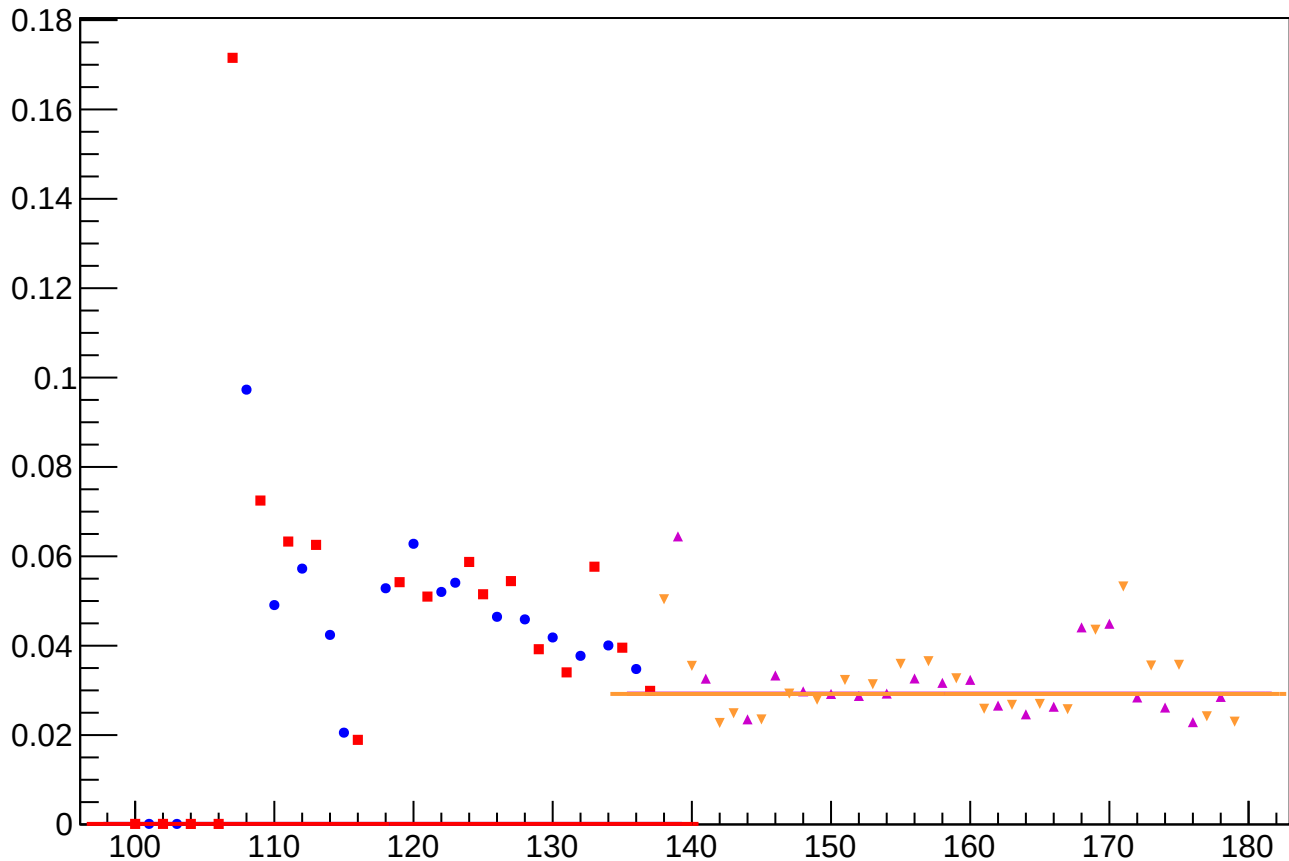
Left In: -0.653 $\pm$ 0.000 χ^2 /NDF: 112706612.9/19

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 911974076434.5/38

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 77743599783250

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756539584700729.6/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.029+/-0.000 χ^2/NDF :1247638.8/21

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

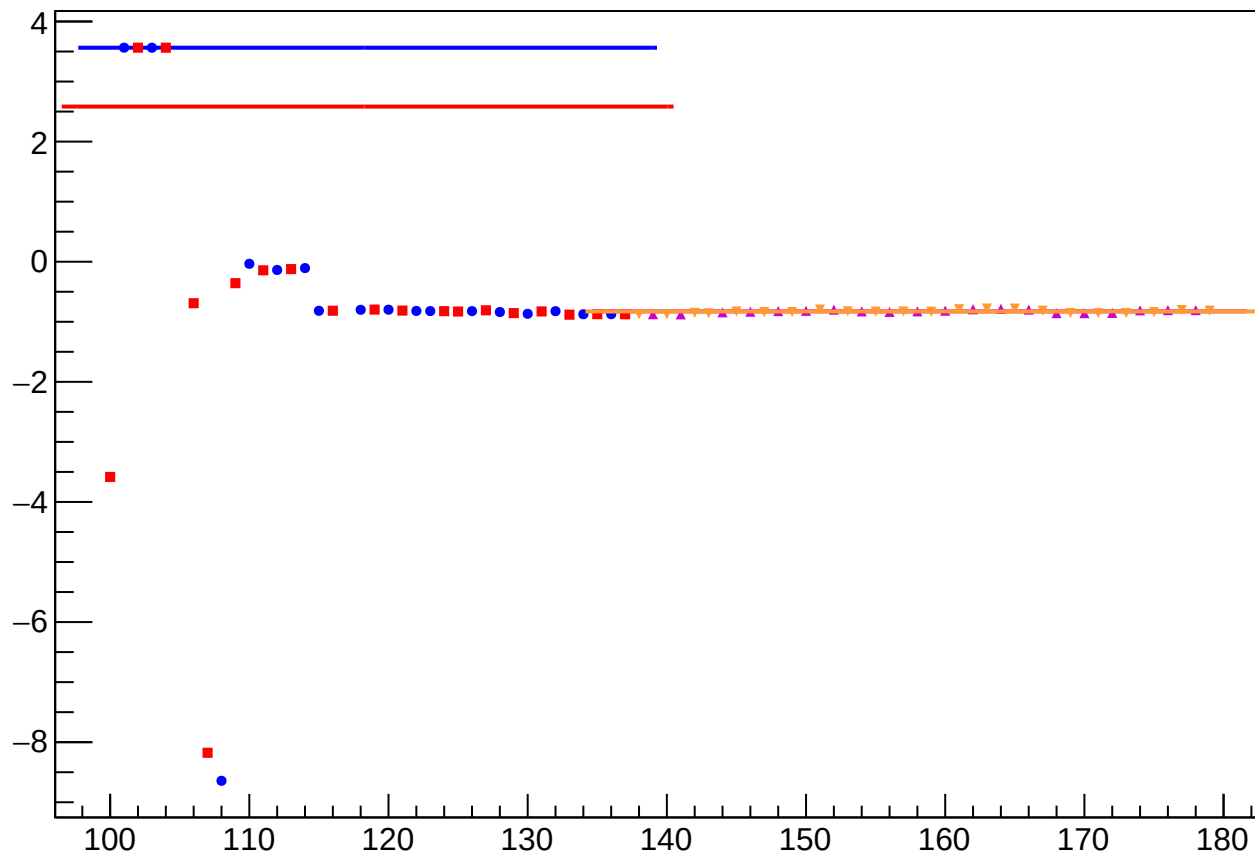
Left In: 0.029+/-0.000 χ^2/NDF :1016374.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 35932172.1/38

All: 0.000+/-0.000 χ^2/NDF : 70237791.0/77

- sign 0.000+/-0.000 χ^2/NDF : 34304948.9/38

yield_cav4bY_mean vs Slug



Right In: 3.563 ± 0.000 $\chi^2/\text{NDF}: 486958795673.0/16$

Left Out: -0.828 ± 0.000 $\chi^2/\text{NDF}: 156096156.2/21$

Right Out: 2.583 ± 0.000 $\chi^2/\text{NDF}: 1253505323583154.2/18$

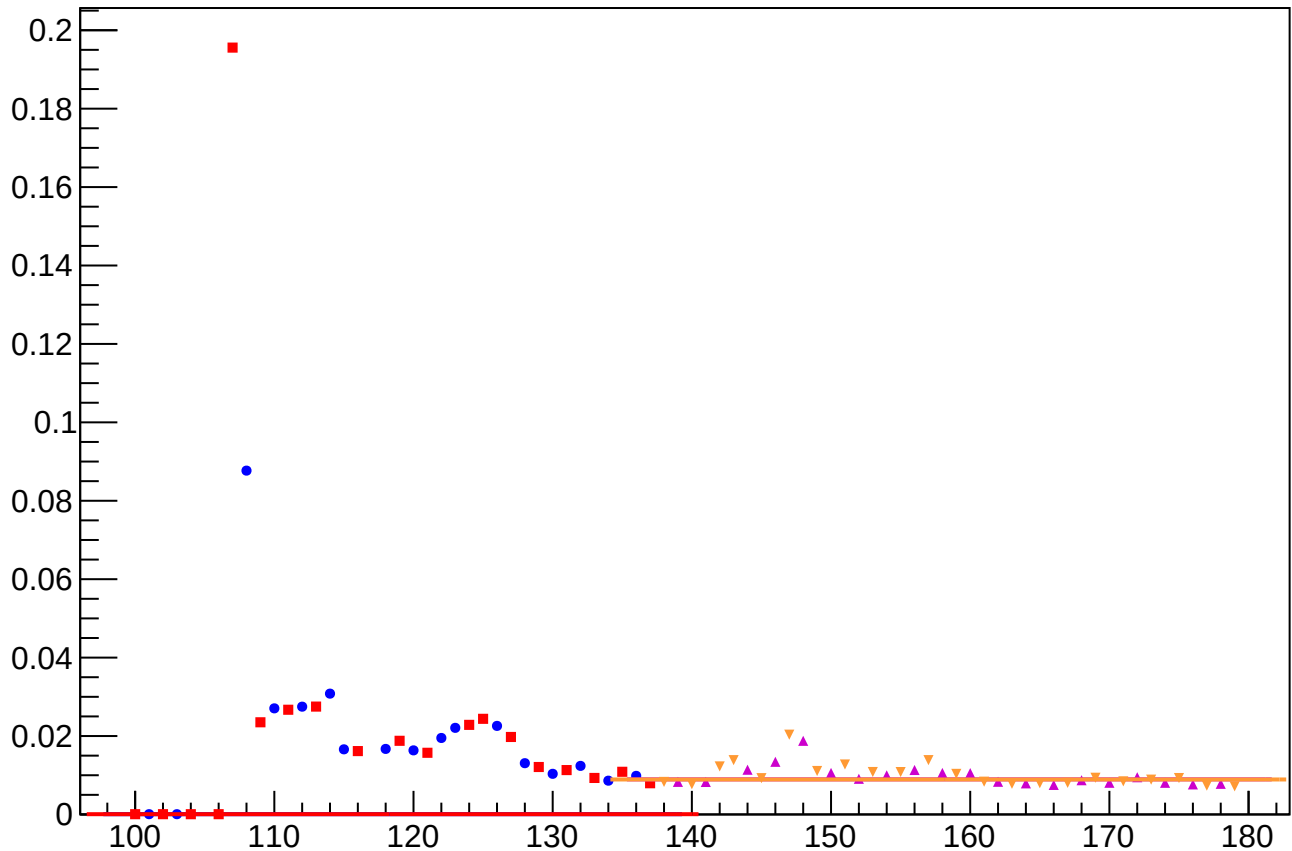
Left In: -0.826 ± 0.000 $\chi^2/\text{NDF}: 135672573.0/19$

+ sign 3.560 ± 0.000 $\chi^2/\text{NDF}: 3802505031023.3/38$

All: 3.038 ± 0.000 $\chi^2/\text{NDF}: 13872104569583$

- sign 2.582 ± 0.000 $\chi^2/\text{NDF}: 1255351626502783.8$

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.009+/-0.000 χ^2/NDF :1274801.9/21

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

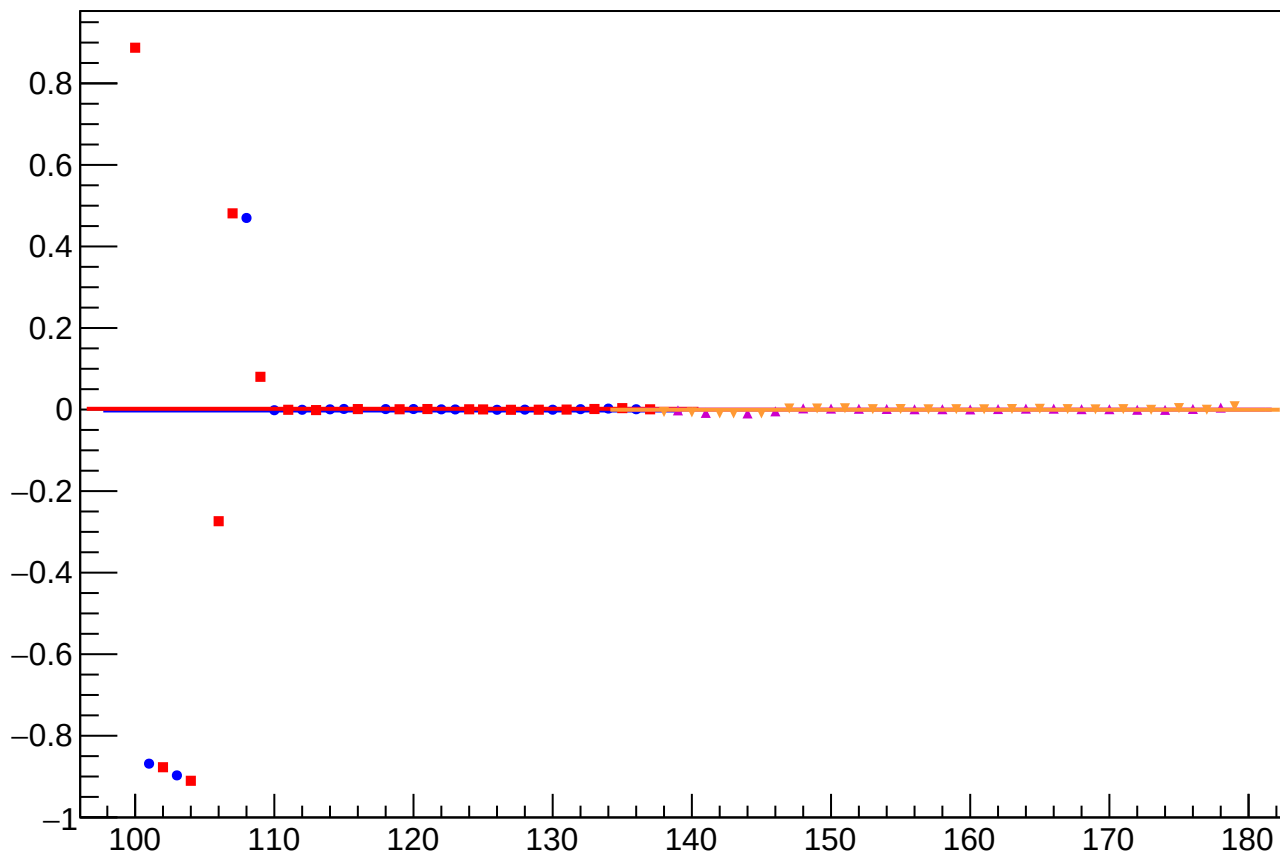
Left In: 0.009+/-0.000 χ^2/NDF :898240.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 38065548.0/38

All: 0.000+/-0.000 χ^2/NDF : 73903166.1/77

- sign 0.000+/-0.000 χ^2/NDF : 35836344.4/38

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.000+/-0.000 χ^2/NDF :131536740.4/21

Right Out: 0.002+/-0.000 χ^2/NDF : 3041331104.7/18

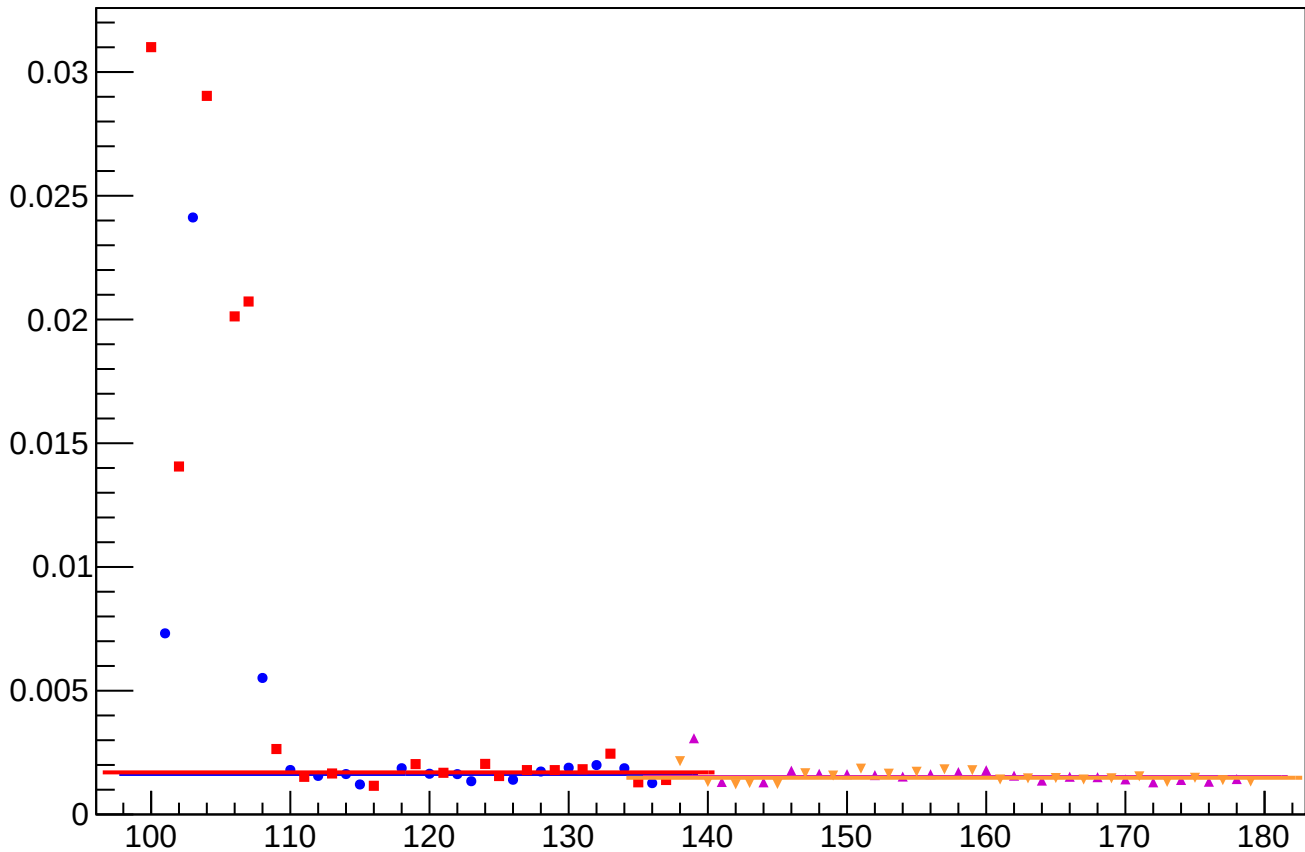
Left In: -0.000+/-0.000 χ^2/NDF :77049942.3/19

+ sign -0.001+/-0.000 χ^2/NDF : 9931452260.0/38

All: -0.000+/-0.000 χ^2/NDF : 13059403222.7/38

- sign 0.000+/-0.000 χ^2/NDF : 3123154607.7/38

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:484255.5/21

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

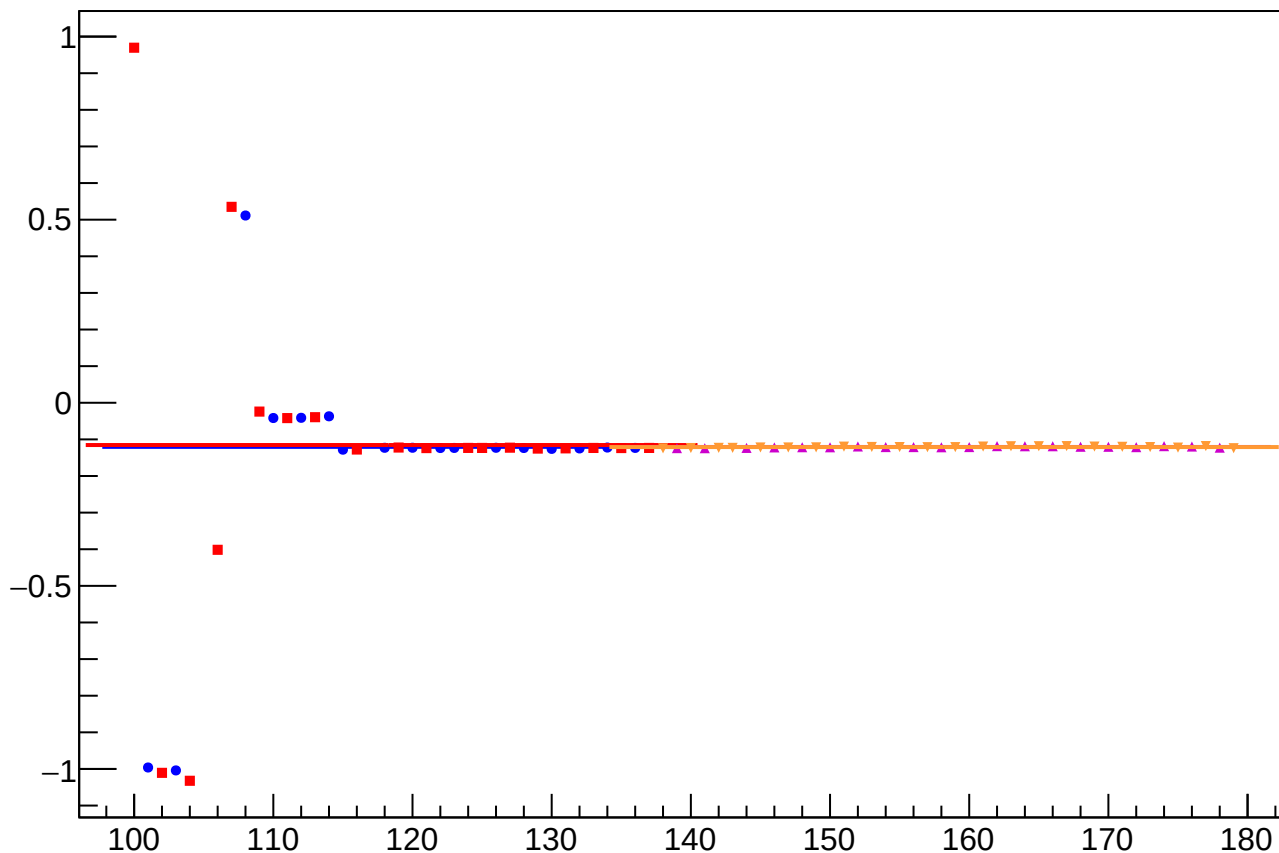
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:599421.7/19

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2465595.5/38

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6185301.2/77

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3709659.2/38

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 : 54332177.8/21

Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

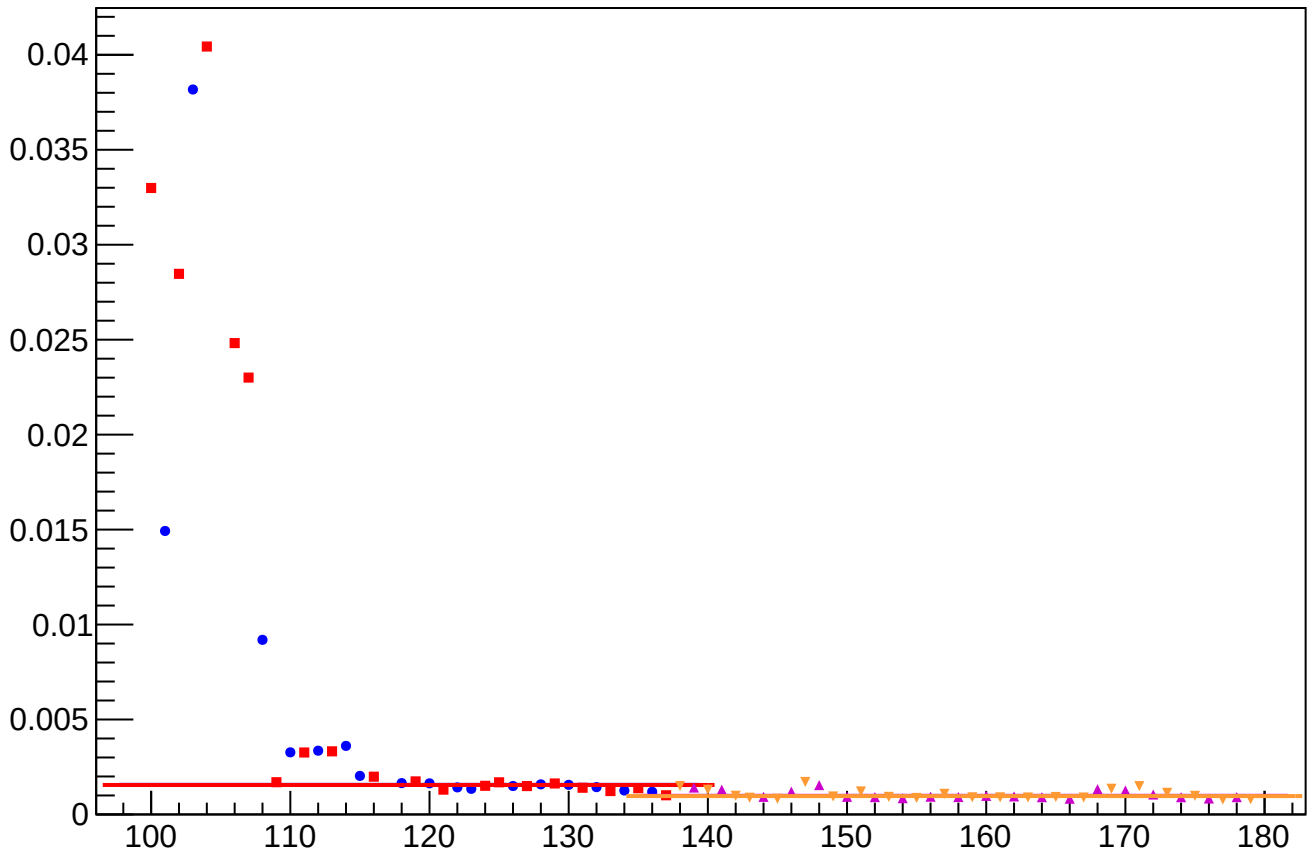
Left In: -0.121+/-0.000 χ^2/NDF : 37125663.3/19

+ sign -0.121+/-0.000 χ^2/NDF : 3987272396.6/38

All: -0.121+/-0.000 χ^2/NDF : 6533756905.9/7

- sign -0.120+/-0.000 χ^2/NDF : 2541198419.5/38

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2903607.4/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1214313.0/21

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3538622.3/18

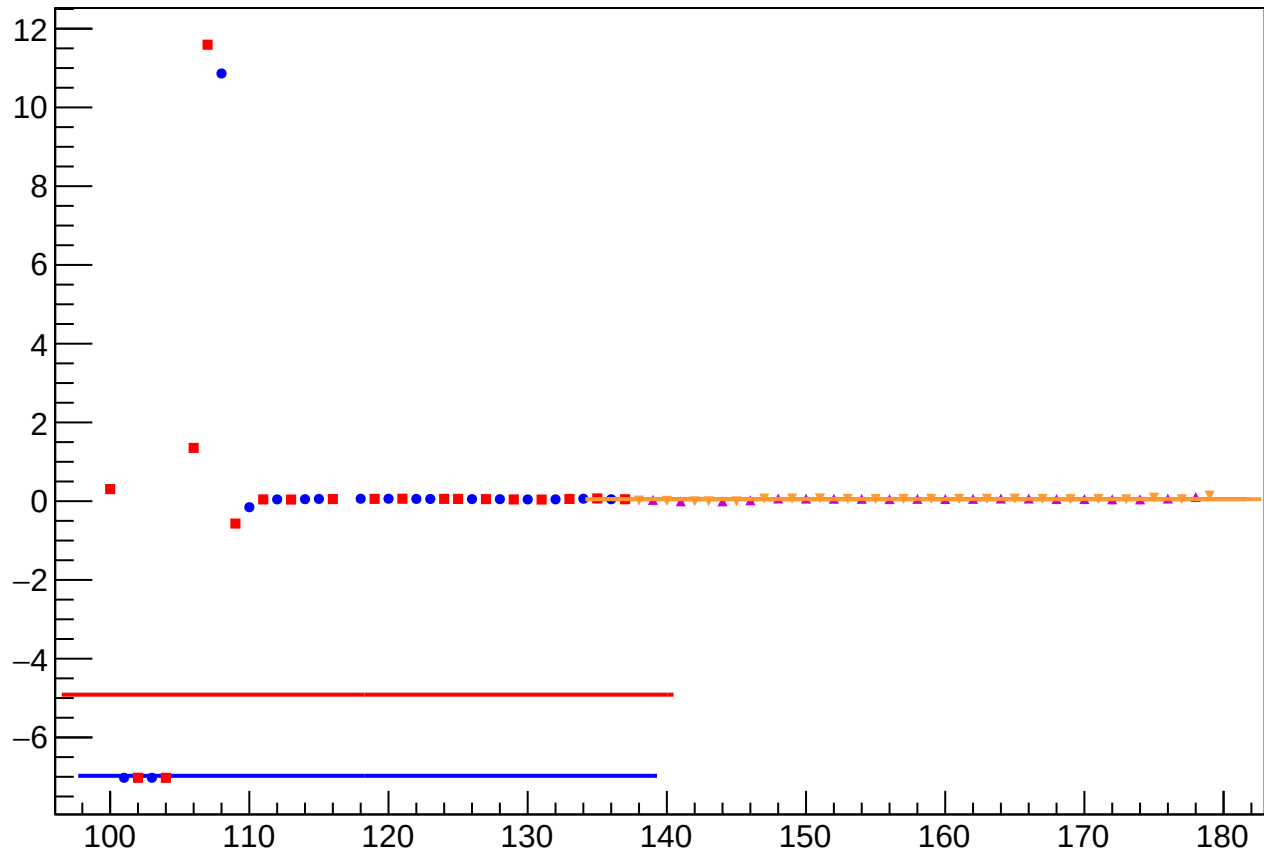
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:807726.1/19

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5303812.6/38

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10747074.5/77

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5437764.4/38

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.051 ± 0.000 χ^2/NDF : 199515418.6/21

+ sign -6.927 ± 0.000 χ^2/NDF : 17302662105277.0/16

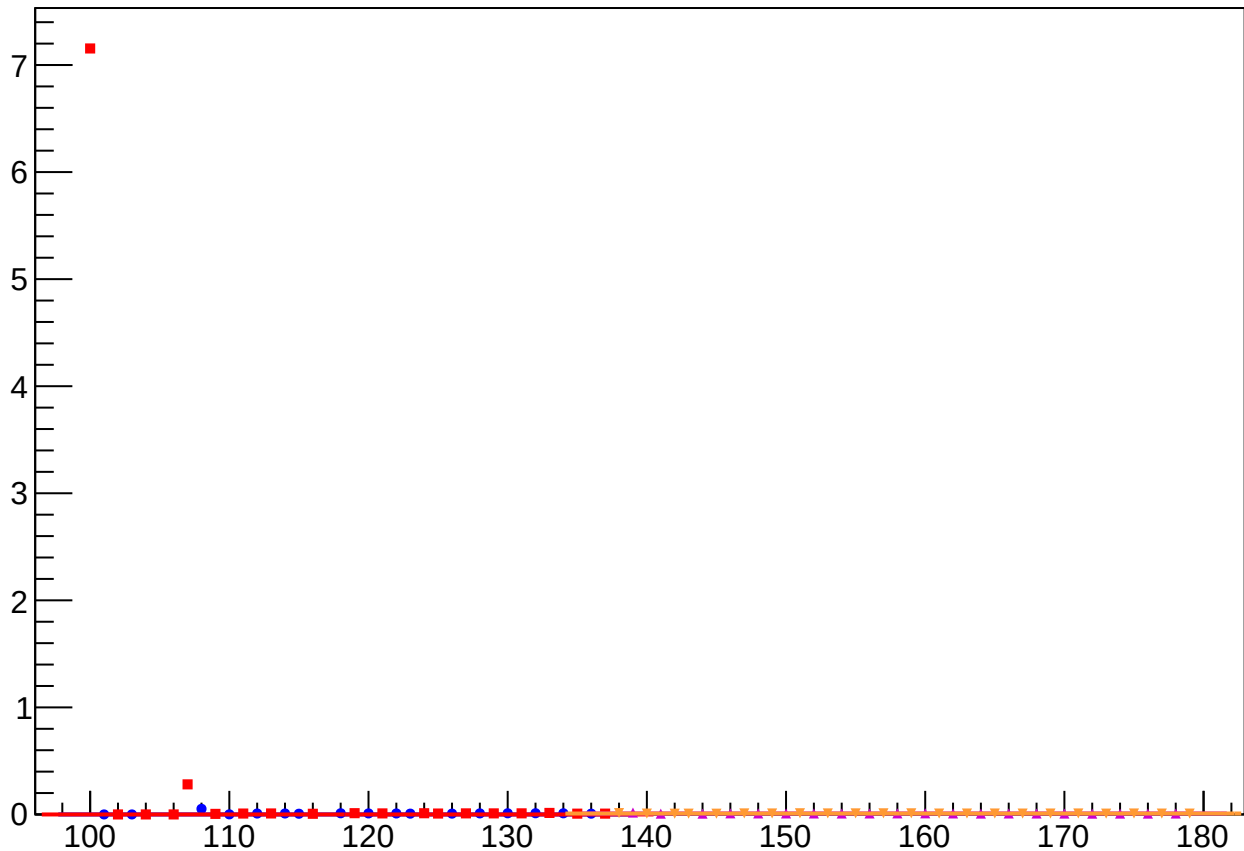
Right Out: -4.914 ± 0.000 χ^2/NDF : 365362215369689.4/18

All: -5.863 ± 0.000 χ^2/NDF : 4419305254482.0/16

- sign -4.886 ± 0.000 χ^2/NDF : 369177898298273.3/16

Left In: 0.052 ± 0.000 χ^2/NDF : 106273193.6/19

yield_cav4dX_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8362763.6/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:473049.9/21

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8802124.3/18

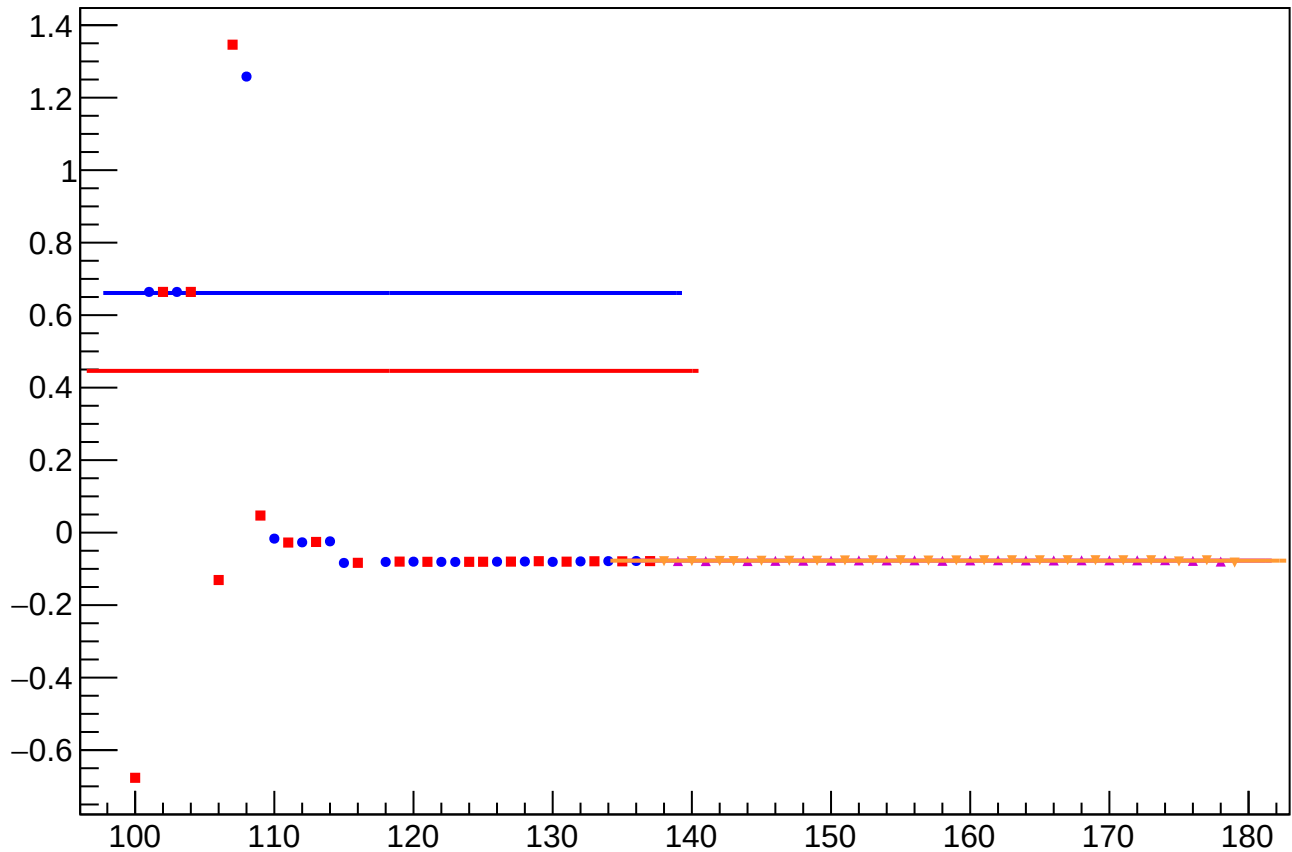
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:591230.0/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 34313841.5/38

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 67491179.2/77

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 33172882.8/38

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5678332616622.1/16

Left Out: -0.077+/-0.000 χ^2/NDF : 131787317.9/21

Right Out: 0.446+/-0.000 χ^2/NDF : 405428604683882.5/18

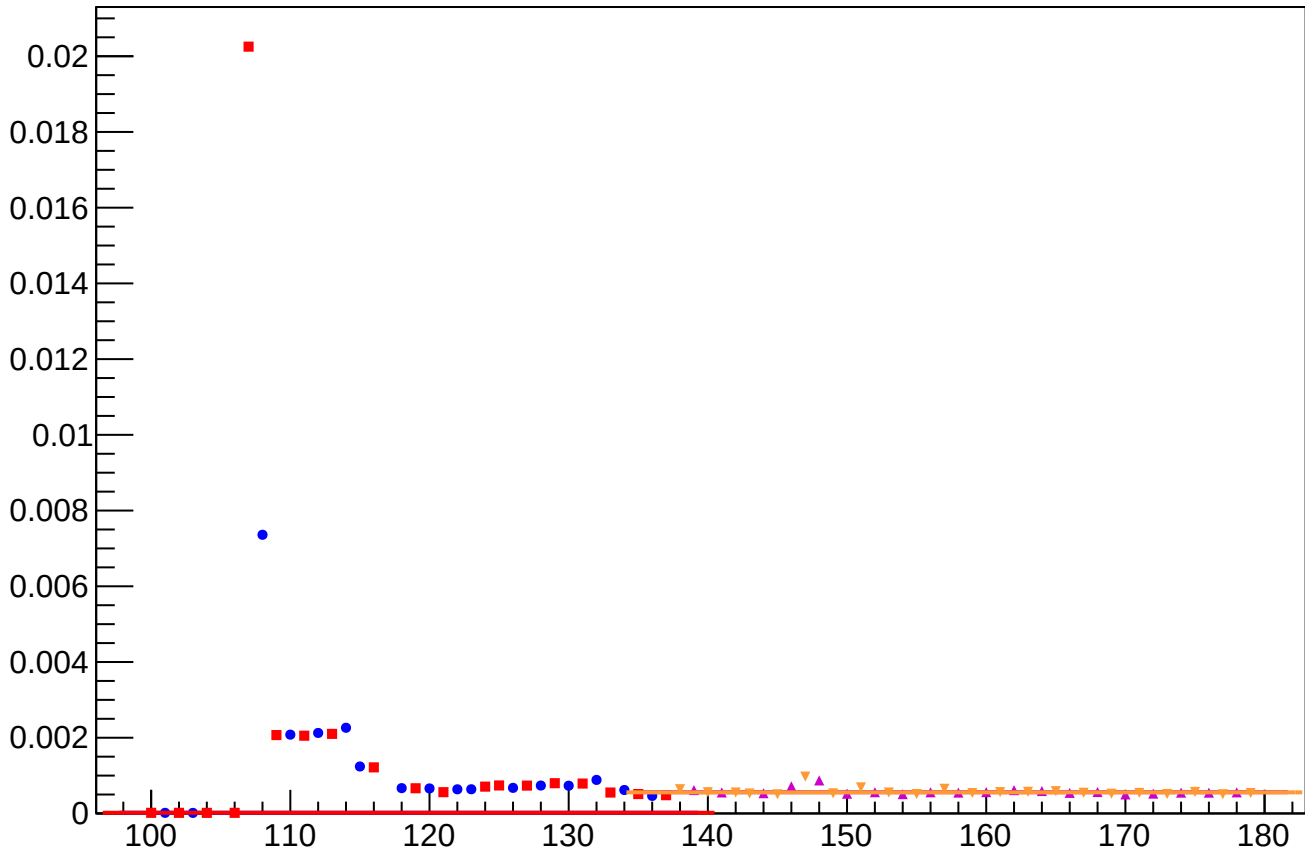
Left In: -0.077+/-0.000 χ^2/NDF : 46271276.8/19

+ sign 0.647+/-0.000 χ^2/NDF : 32846264621110.2/3

All: 0.538+/-0.000 χ^2/NDF : 51153508432082

- sign 0.438+/-0.000 χ^2/NDF : 417999376843973.3/3

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 : 456929.2/21

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

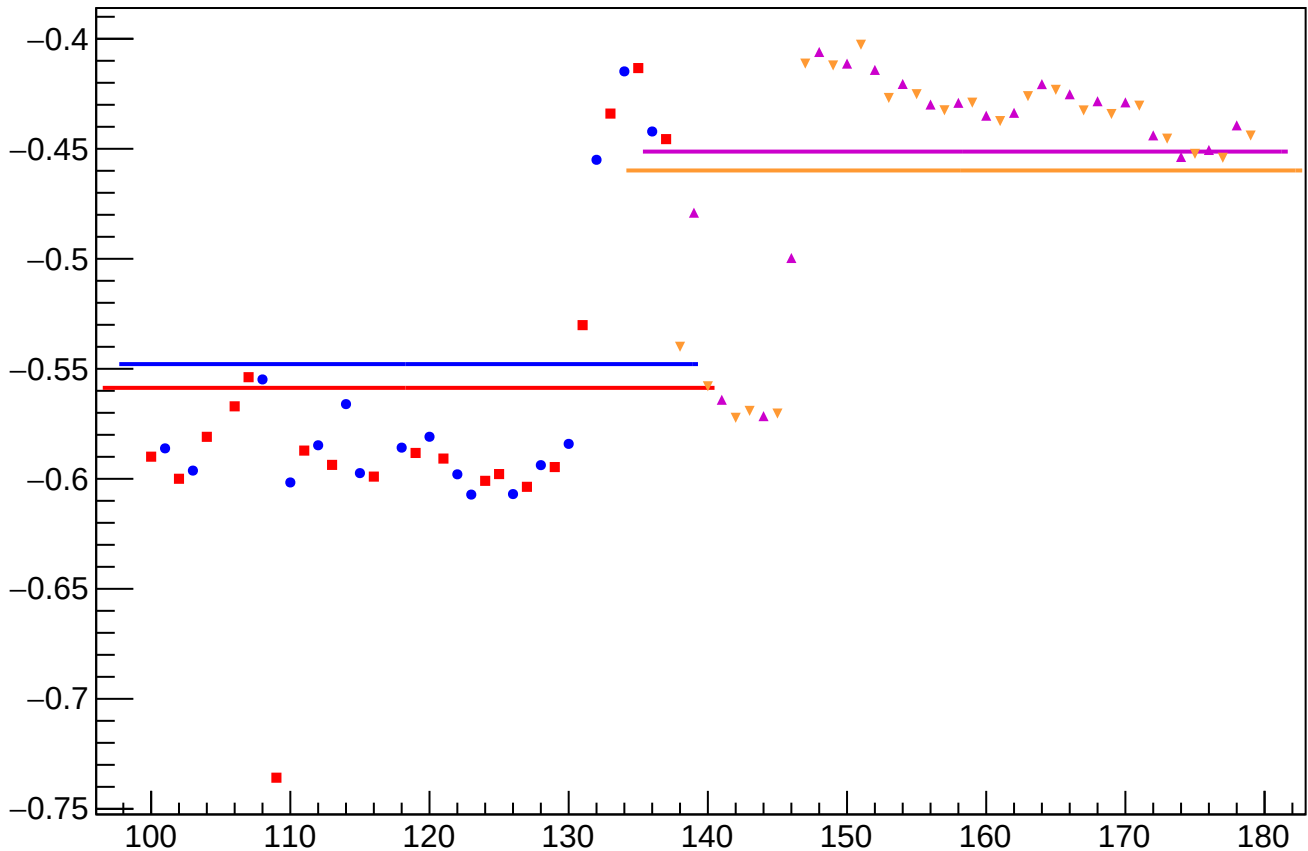
Left In: 0.001+/-0.000 χ^2/NDF : 353215.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 39391474.9/38

All: 0.000+/-0.000 χ^2/NDF : 76376054.8/77

- sign 0.000+/-0.000 χ^2/NDF : 36977149.6/38

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2 /NDF: 48579920.8/16

Left Out: -0.460+/-0.000 χ^2 /NDF: 107165640.2/21

Right Out: -0.559+/-0.000 χ^2 /NDF: 65682293.5/18

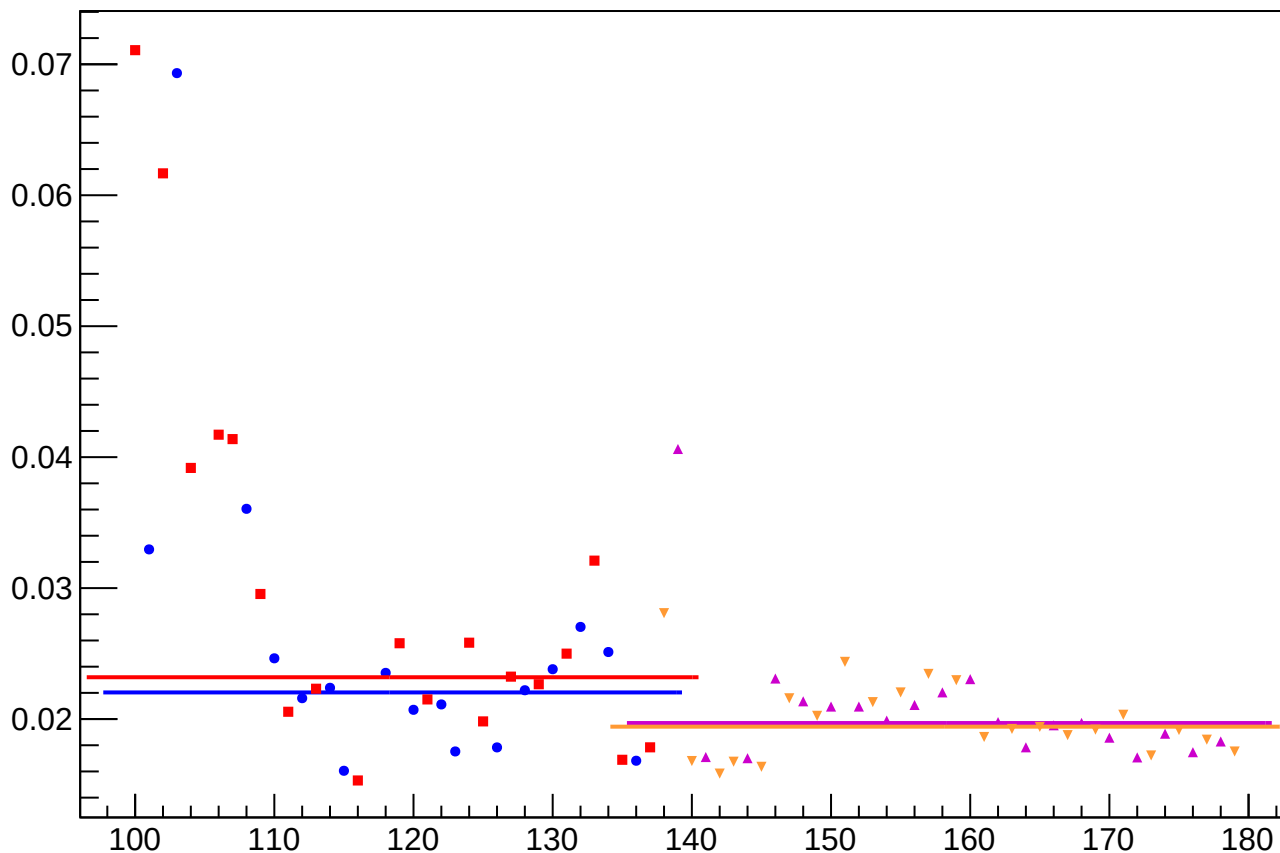
Left In: -0.451+/-0.000 χ^2 /NDF: 75523832.6/19

+ sign -0.480+/-0.000 χ^2 /NDF: 218517374.3/38

All: -0.478+/-0.000 χ^2 /NDF: 447211055.9/77

- sign -0.477+/-0.000 χ^2 /NDF: 228452832.1/38

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 958966.6/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 448002.2/21

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156989.7/18

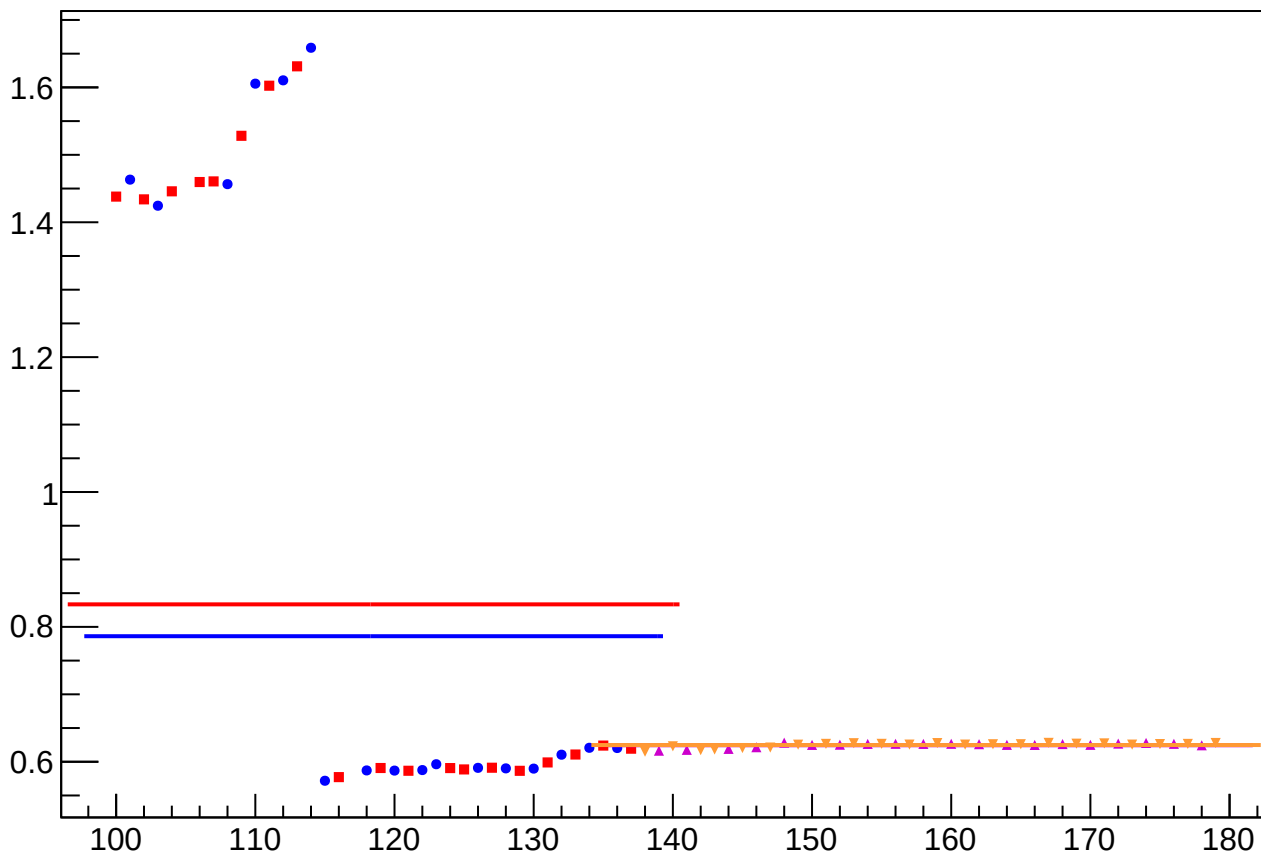
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 582441.3/19

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1517742.3/38

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3453396.1/77

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1924434.5/38

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:1347242.4/21

Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4156812252.4/18

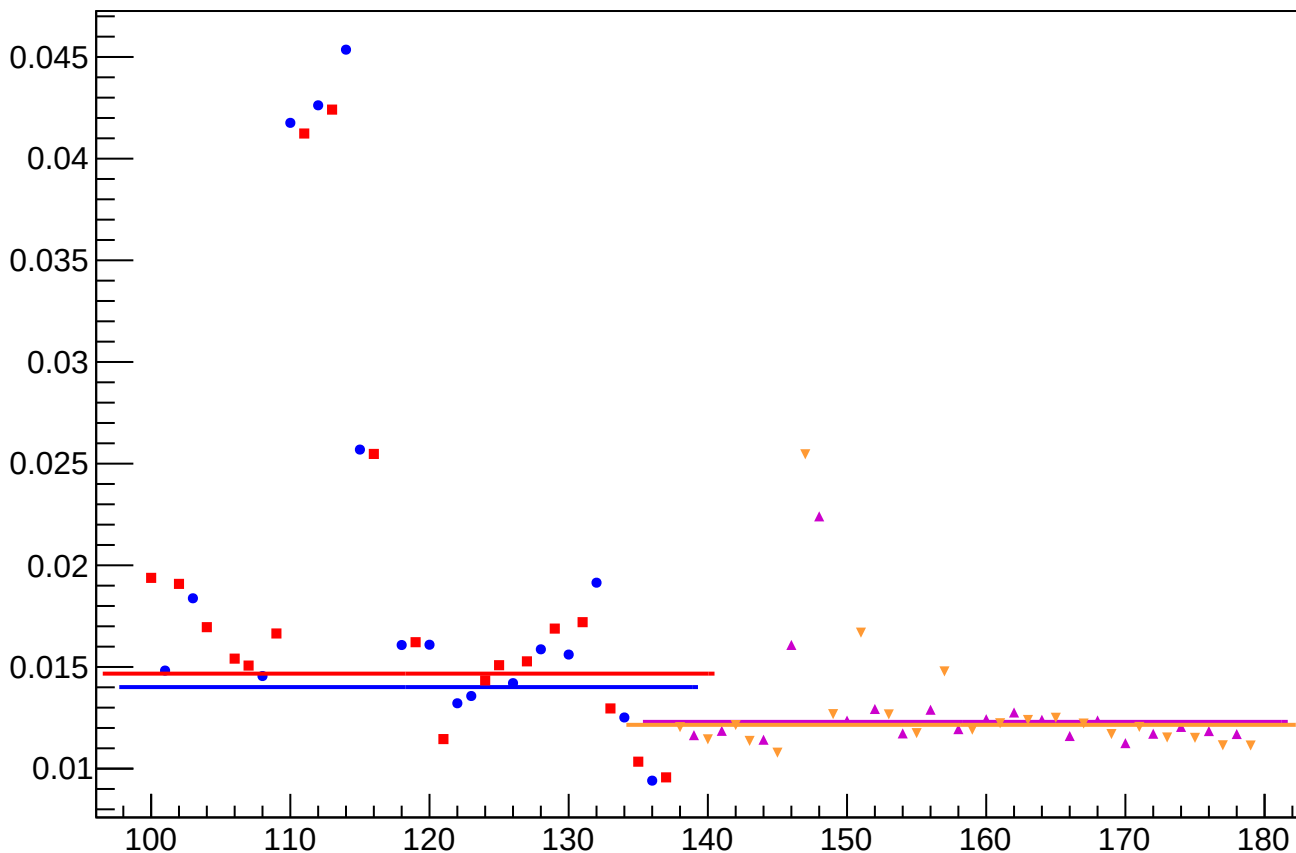
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:1058310.7/19

+ sign 0.659 $\pm$ 0.000 χ^2 /NDF: 4184764331.1/38

All: 0.665 $\pm$ 0.000 χ^2 /NDF: 9300342532.0/77

- sign 0.671 $\pm$ 0.000 χ^2 /NDF: 5106543184.6/38

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: 641436.3/21

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1263462.0/18

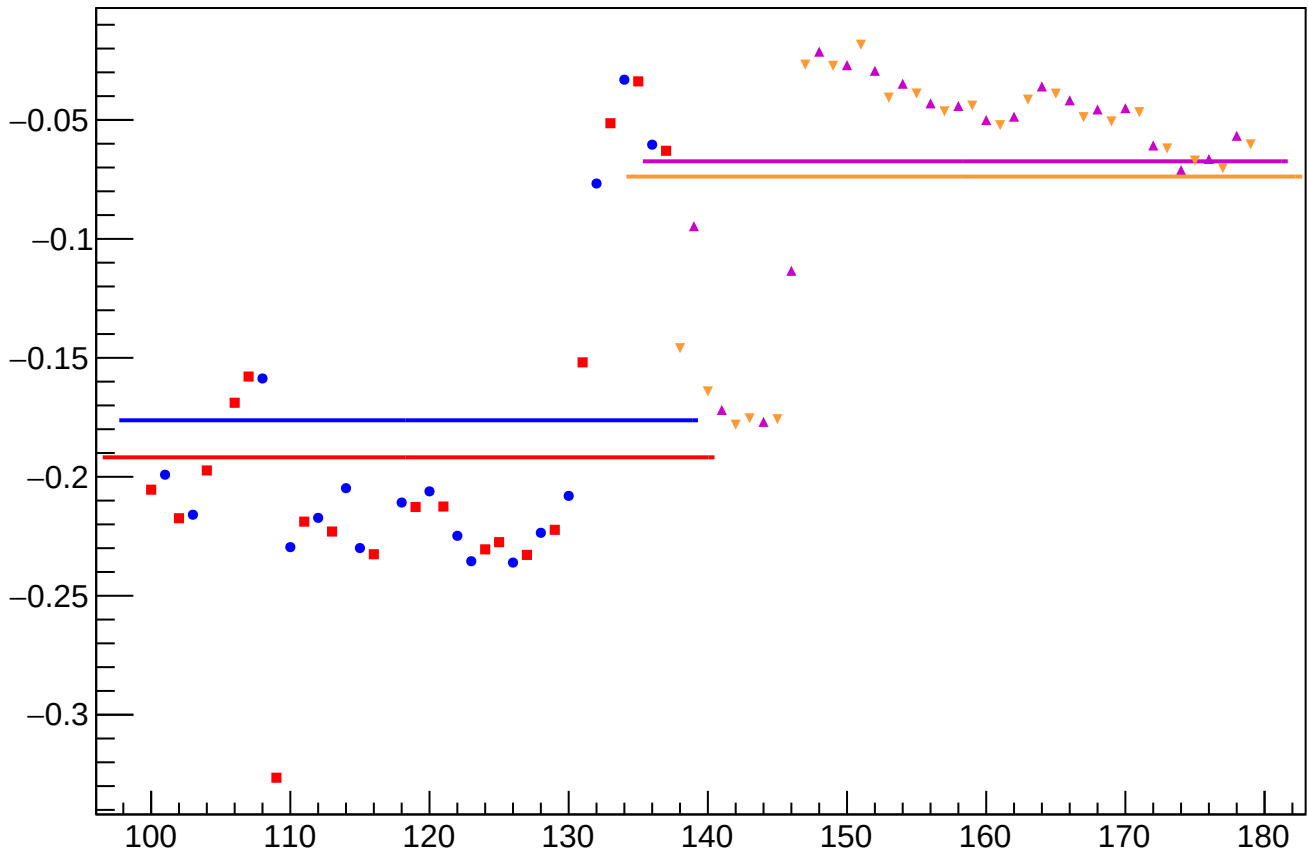
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 448305.2/19

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2203264.0/38

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4169760.3/77

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1956436.7/38

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2 /NDF: 70137178.3/16

Left Out: -0.074+/-0.000 χ^2 /NDF:101700208.1/21

Right Out: -0.192+/-0.000 χ^2 /NDF: 83809115.6/18

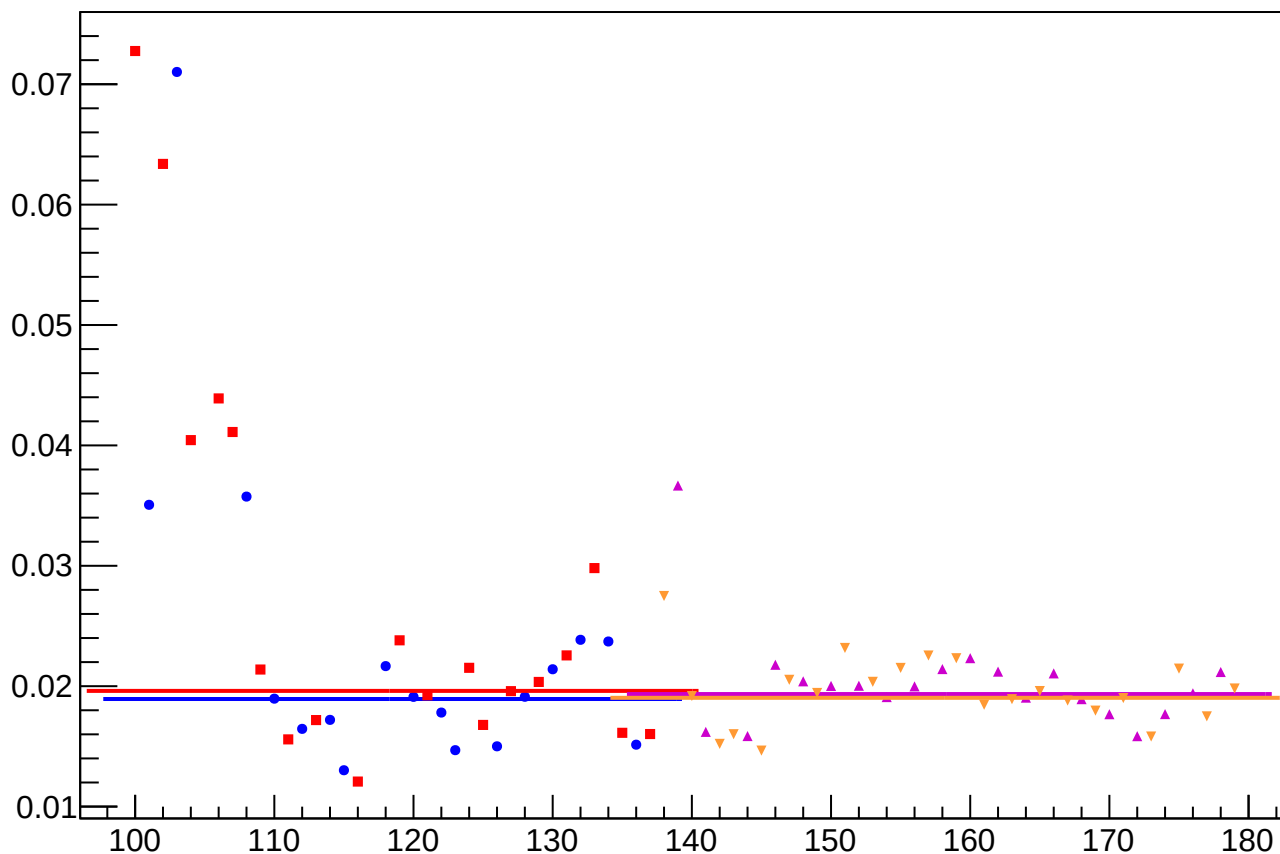
Left In: -0.067+/-0.000 χ^2 /NDF:75790513.0/19

+ sign -0.102+/-0.000 χ^2 /NDF: 278485218.2/38

All: -0.102+/-0.000 χ^2 /NDF: 587254005.3/77

- sign -0.103+/-0.000 χ^2 /NDF: 308722240.5/38

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 507817.7/21

Right Out: 0.020+/-0.000 χ^2/NDF : 1457660.9/18

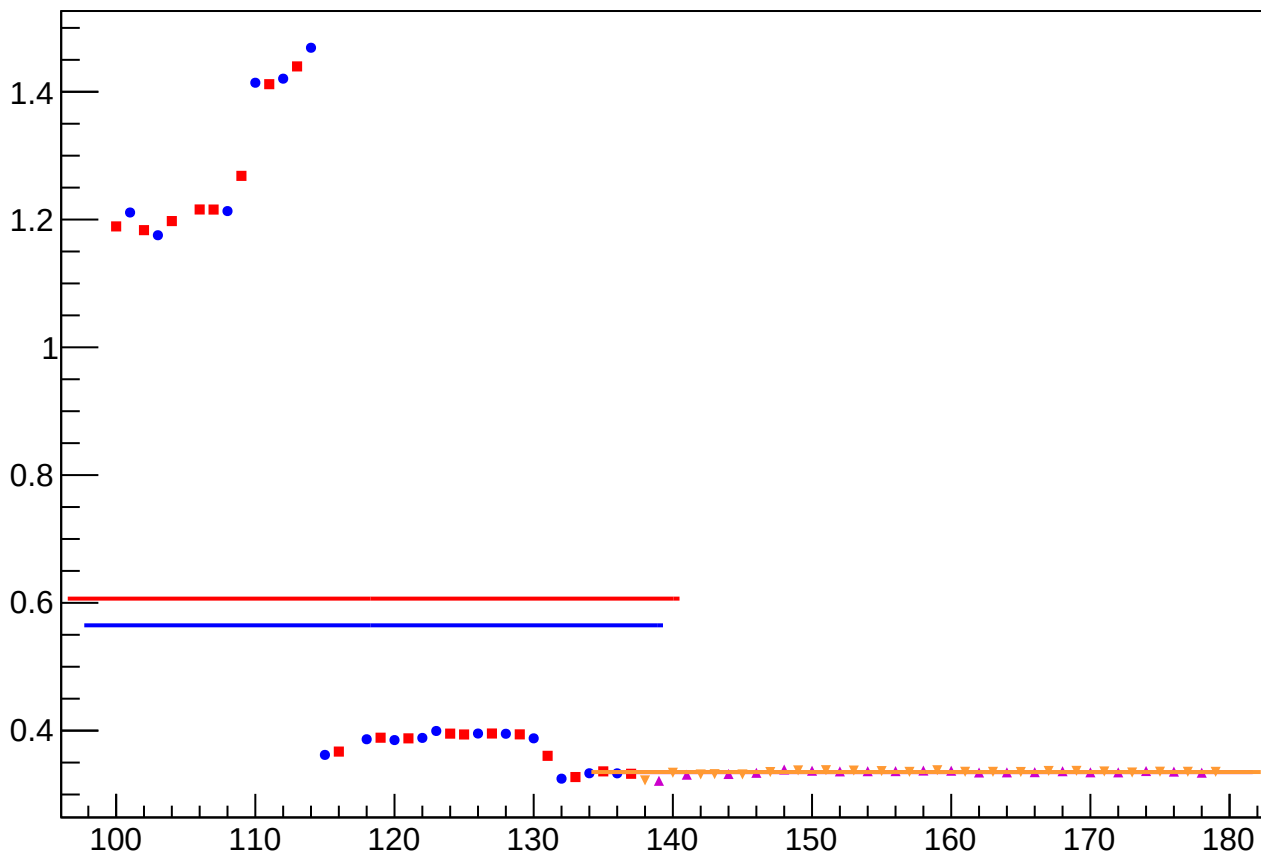
Left In: 0.019+/-0.000 χ^2/NDF : 571776.2/19

+ sign 0.019+/-0.000 χ^2/NDF : 1713873.3/38

All: 0.019+/-0.000 χ^2/NDF : 3753100.5/77

- sign 0.019+/-0.000 χ^2/NDF : 2030761.6/38

yield_bpm4eY_mean vs Slug



Right In: 0.565 $\pm$ 0.000 χ^2 /NDF: 5030969499.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1137577.2/21

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5513752213.8/18

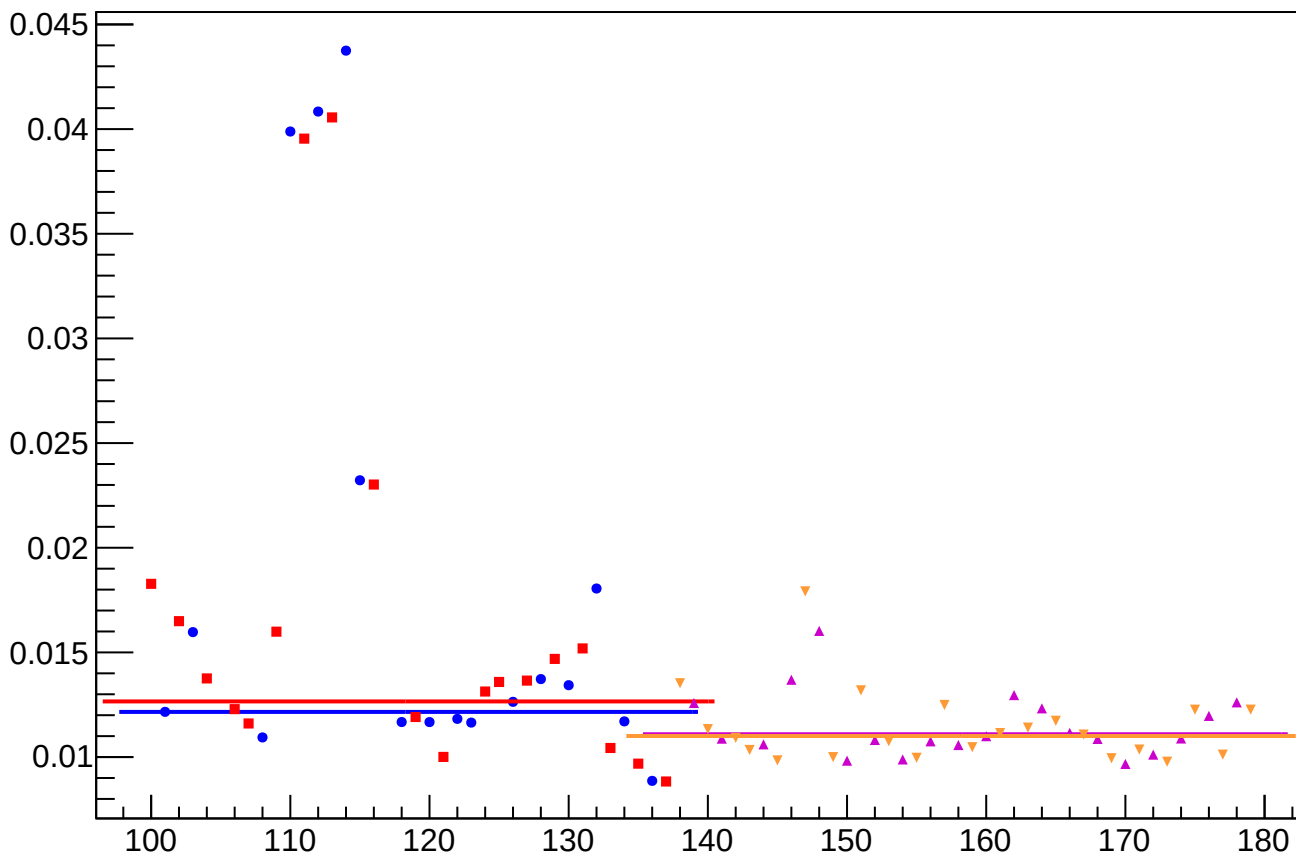
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1198543.2/19

+ sign 0.387 $\pm$ 0.000 χ^2 /NDF: 6593759528.3/38

All: 0.393 $\pm$ 0.000 χ^2 /NDF: 14193354304.2/77

- sign 0.399 $\pm$ 0.000 χ^2 /NDF: 7588777678.1/38

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1309888.8/16

Left Out: 0.011+/-0.000 χ^2/NDF : 495552.6/21

Right Out: 0.013+/-0.000 χ^2/NDF : 1270689.5/18

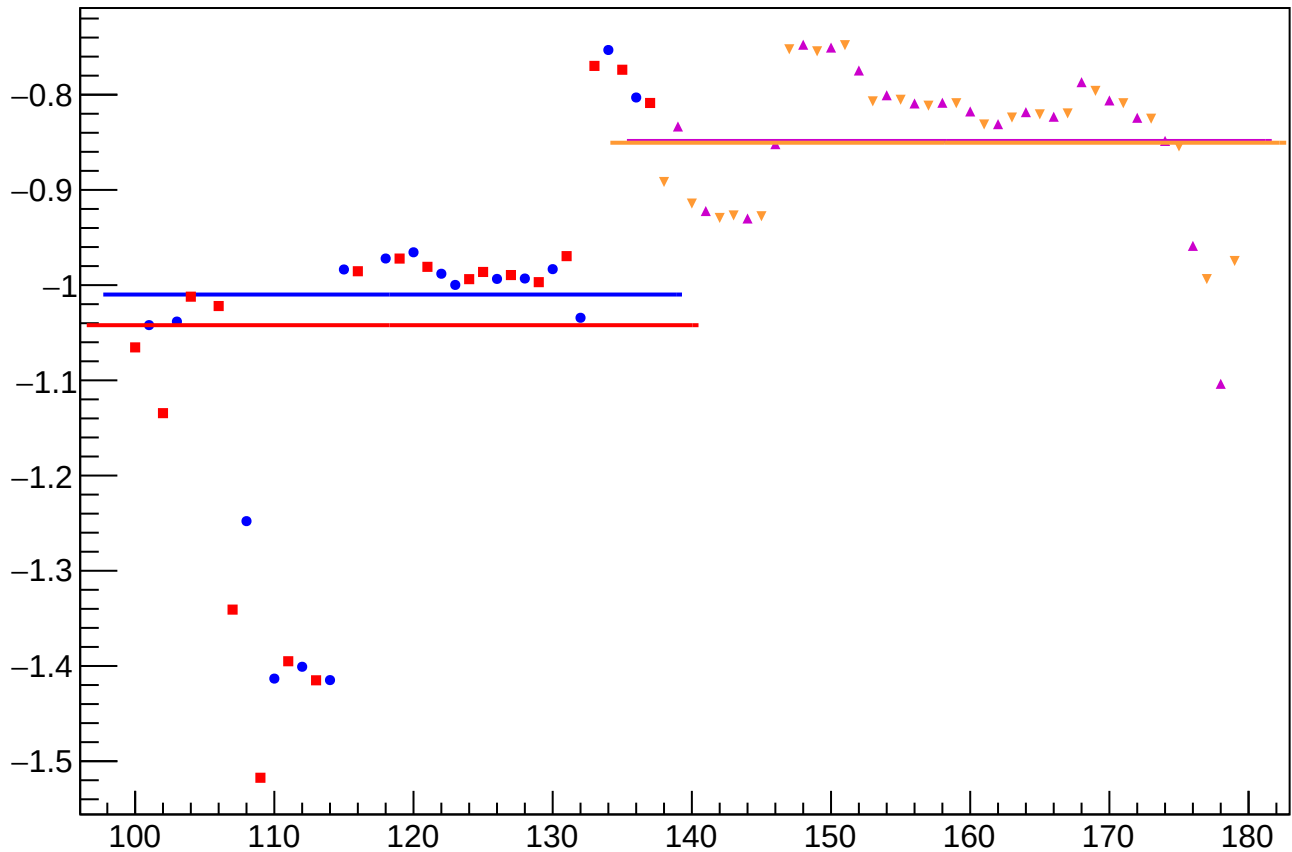
Left In: 0.011+/-0.000 χ^2/NDF : 400091.6/19

+ sign 0.011+/-0.000 χ^2/NDF : 1883828.4/38

All: 0.011+/-0.000 χ^2/NDF : 3698823.9/77

- sign 0.011+/-0.000 χ^2/NDF : 1809134.8/38

yield_bpm4acX_mean vs Slug



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.850+/-0.000 χ^2/NDF : 179966584.8/21

Right Out: -1.042+/-0.000 χ^2/NDF : 530106141.8/18

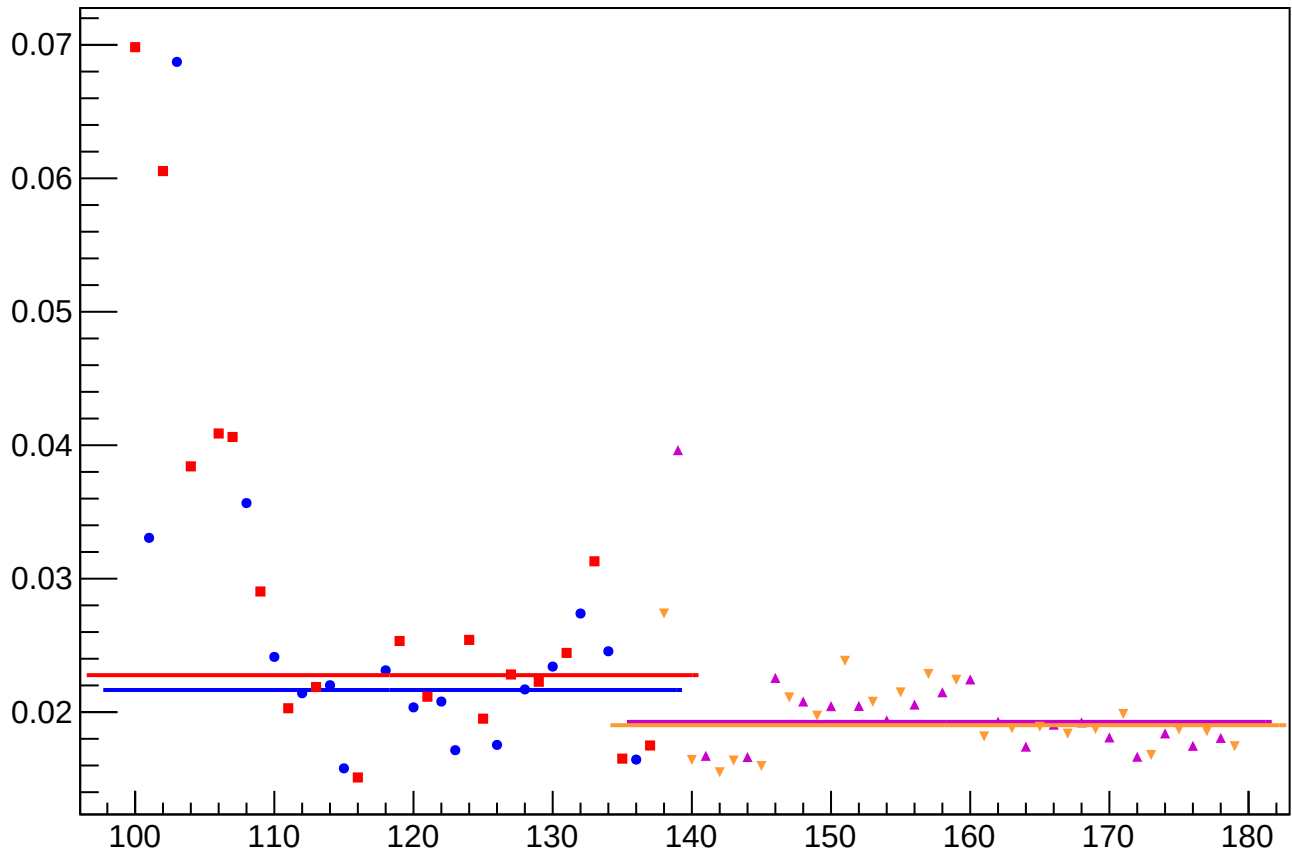
Left In: -0.849+/-0.000 χ^2/NDF : 246174525.7/19

+ sign -0.887+/-0.000 χ^2/NDF : 780829854.5/38

All: -0.890+/-0.000 χ^2/NDF : 1852172740.9/7

- sign -0.894+/-0.000 χ^2/NDF : 1070125462.6/38

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: 437040.8/21

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152617.8/18

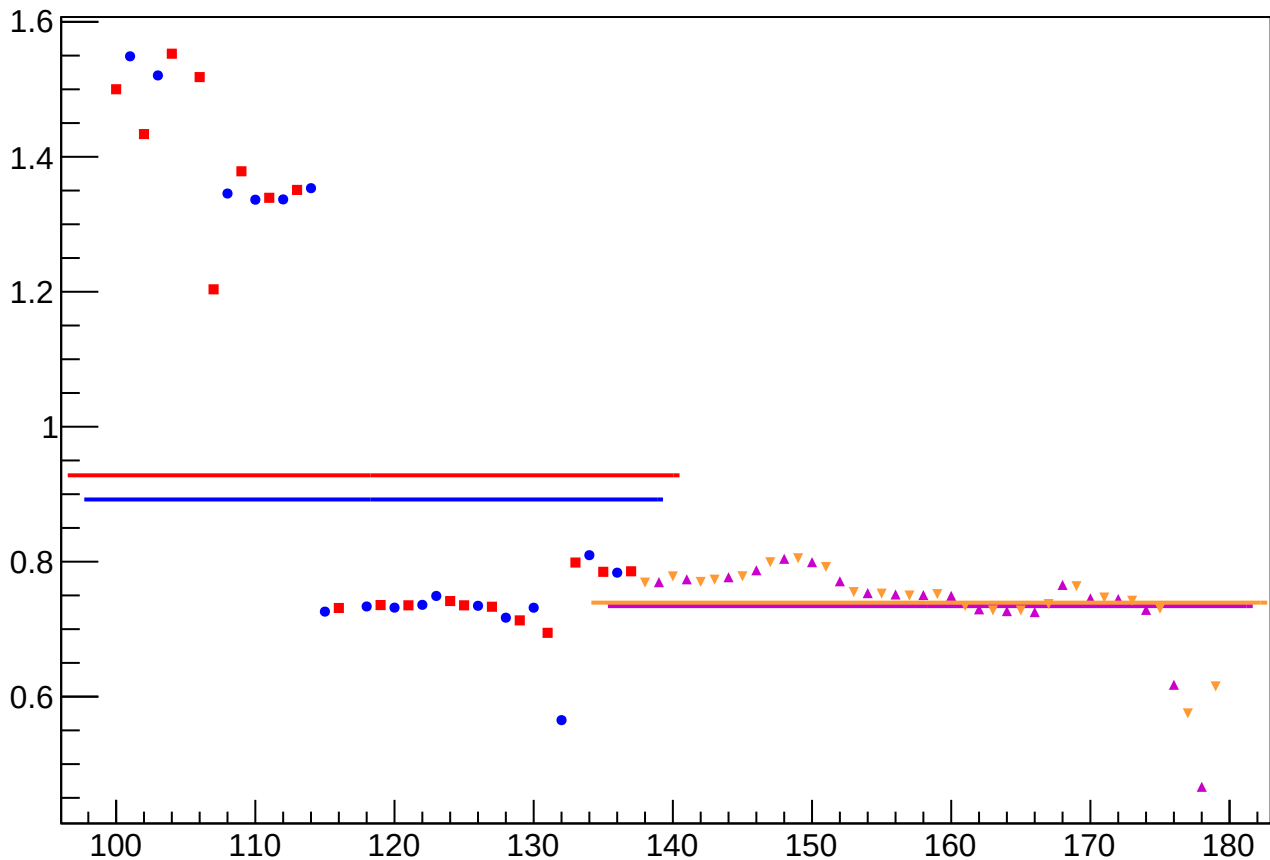
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 569988.6/19

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1537377.3/38

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3462703.6/77

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1915228.8/38

yield_bpm4acY_mean vs Slug



Right In: 0.892 $\pm$ 0.000 χ^2 /NDF: 2413732173.6/16

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:315224667.0/21

+ sign 0.771 $\pm$ 0.000 χ^2 /NDF: 3243947797.1/38

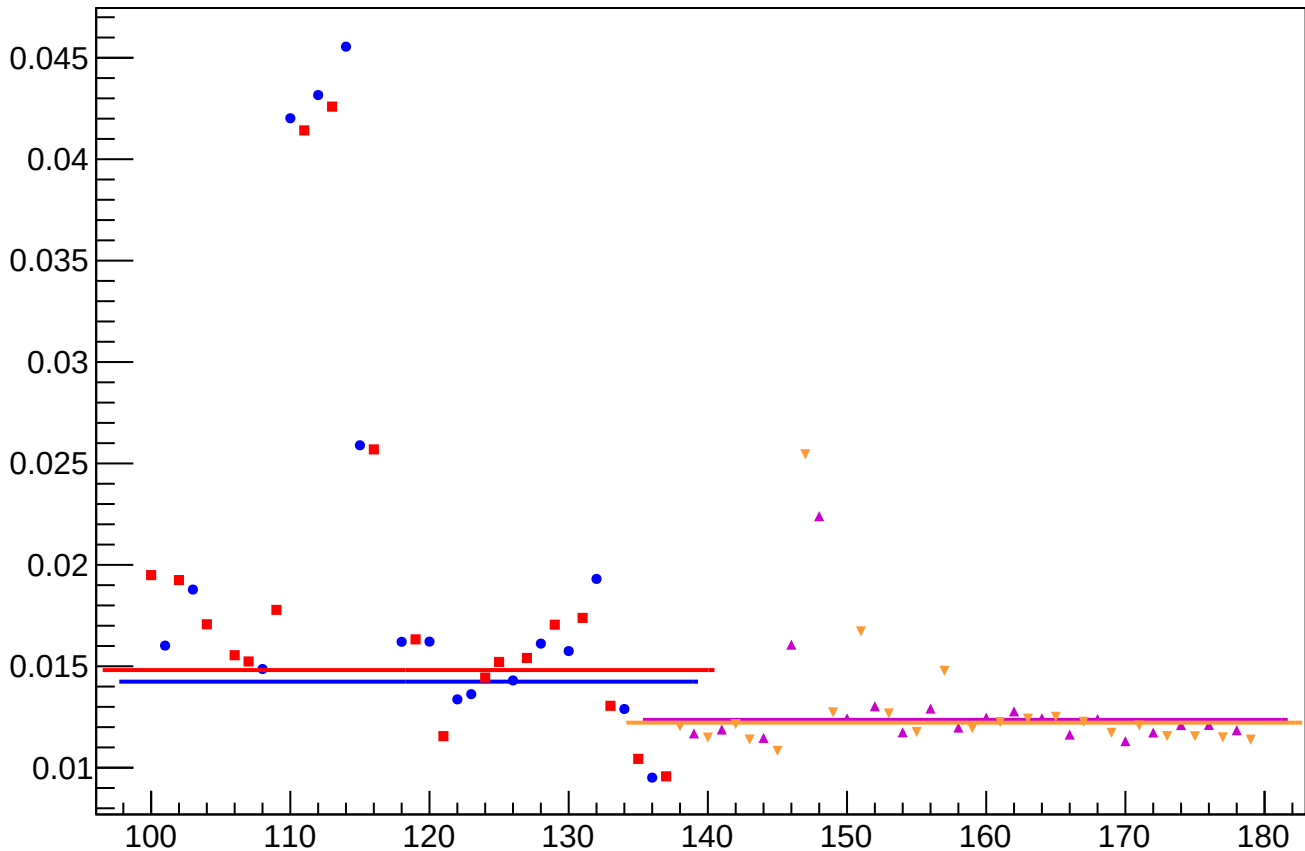
Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2437542089.2/18

All: 0.774 $\pm$ 0.000 χ^2 /NDF: 7022724109.4/77

- sign 0.777 $\pm$ 0.000 χ^2 /NDF: 3776775994.9/38

Left In: 0.734 $\pm$ 0.000 χ^2 /NDF:539283157.7/19

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:623510.8/21

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1274172.7/18

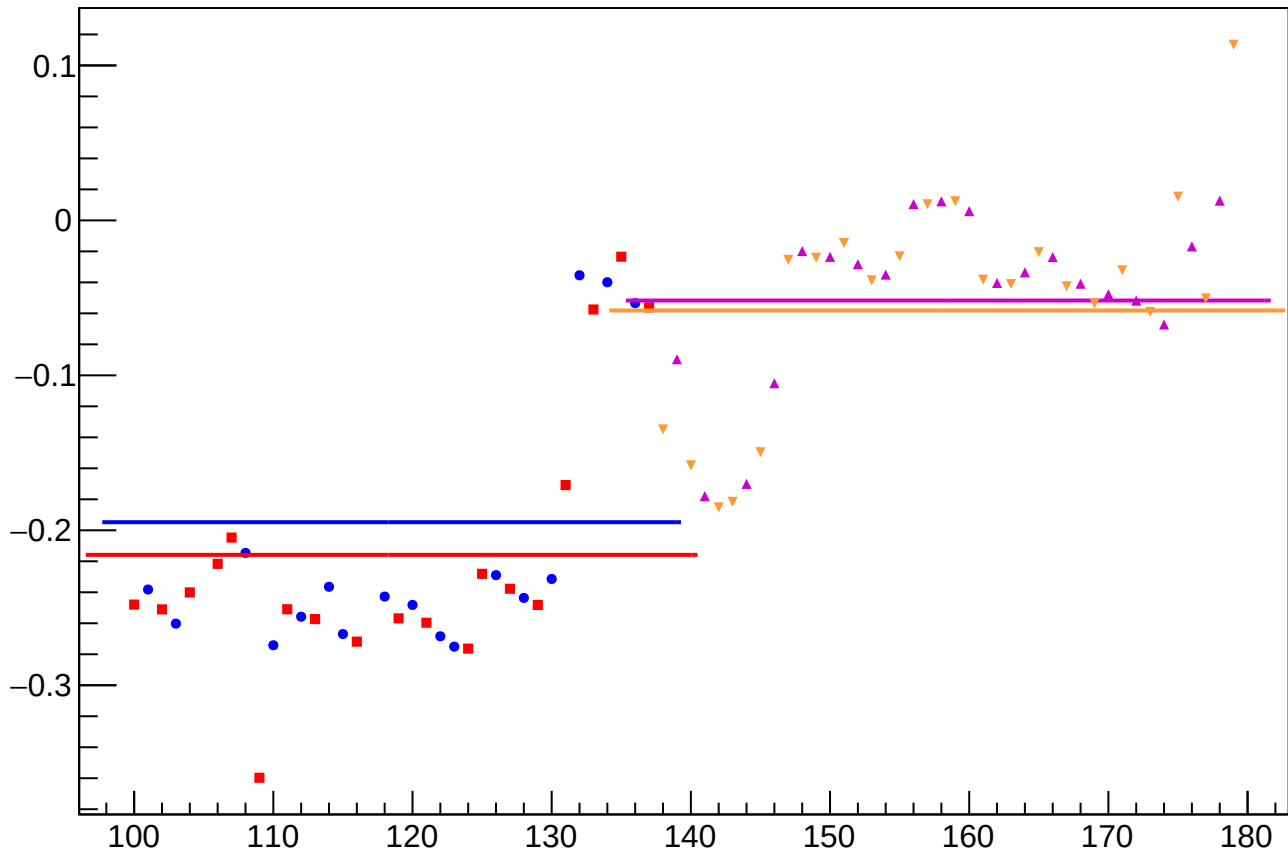
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:440670.7/19

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2219526.6/38

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4199762.8/77

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1971814.3/38

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.058+/-0.000 χ^2/NDF : 143104906.2/21

Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

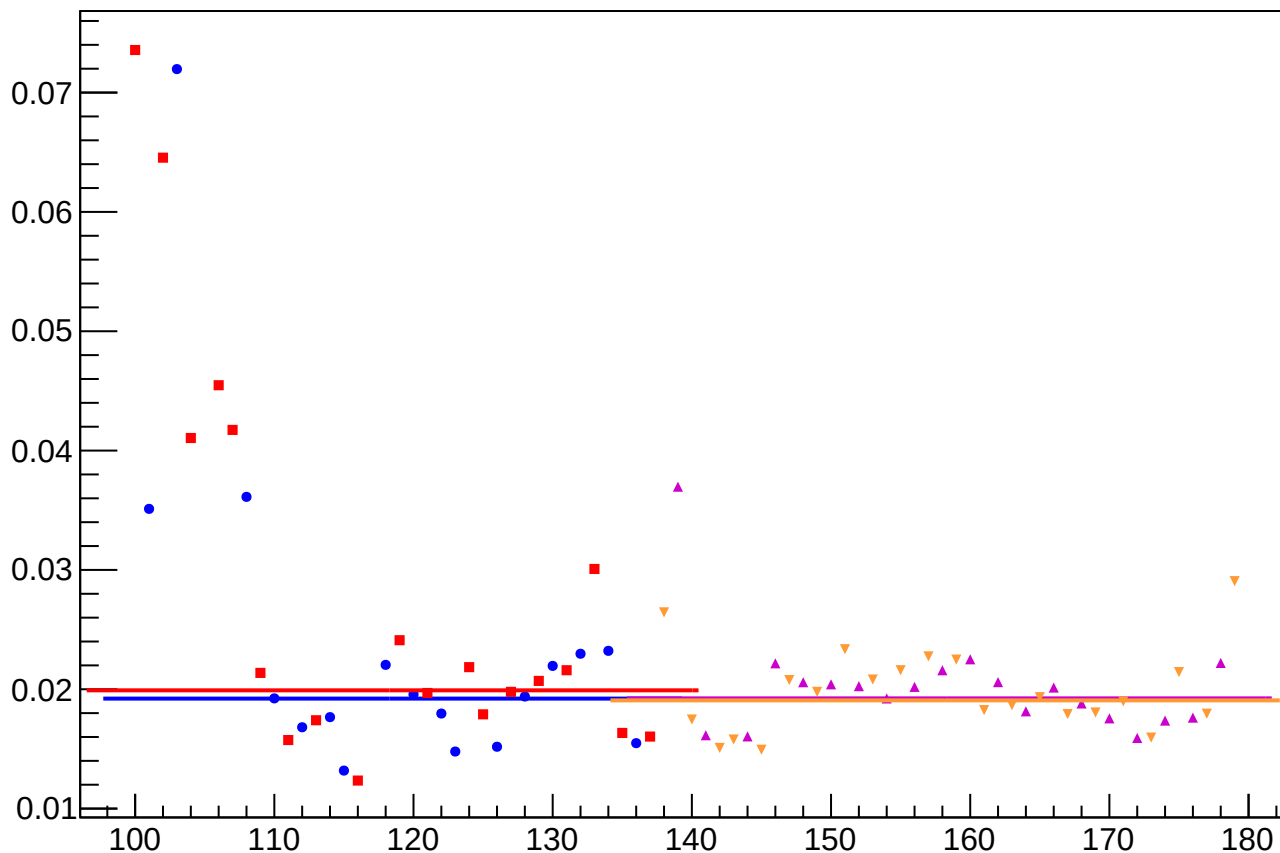
Left In: -0.052+/-0.000 χ^2/NDF : 106060942.2/19

+ sign -0.096+/-0.000 χ^2/NDF : 435965862.6/38

All: -0.097+/-0.000 χ^2/NDF : 907614051.3/77

- sign -0.098+/-0.000 χ^2/NDF : 471524228.3/38

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: 609401.2/21

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1446950.0/18

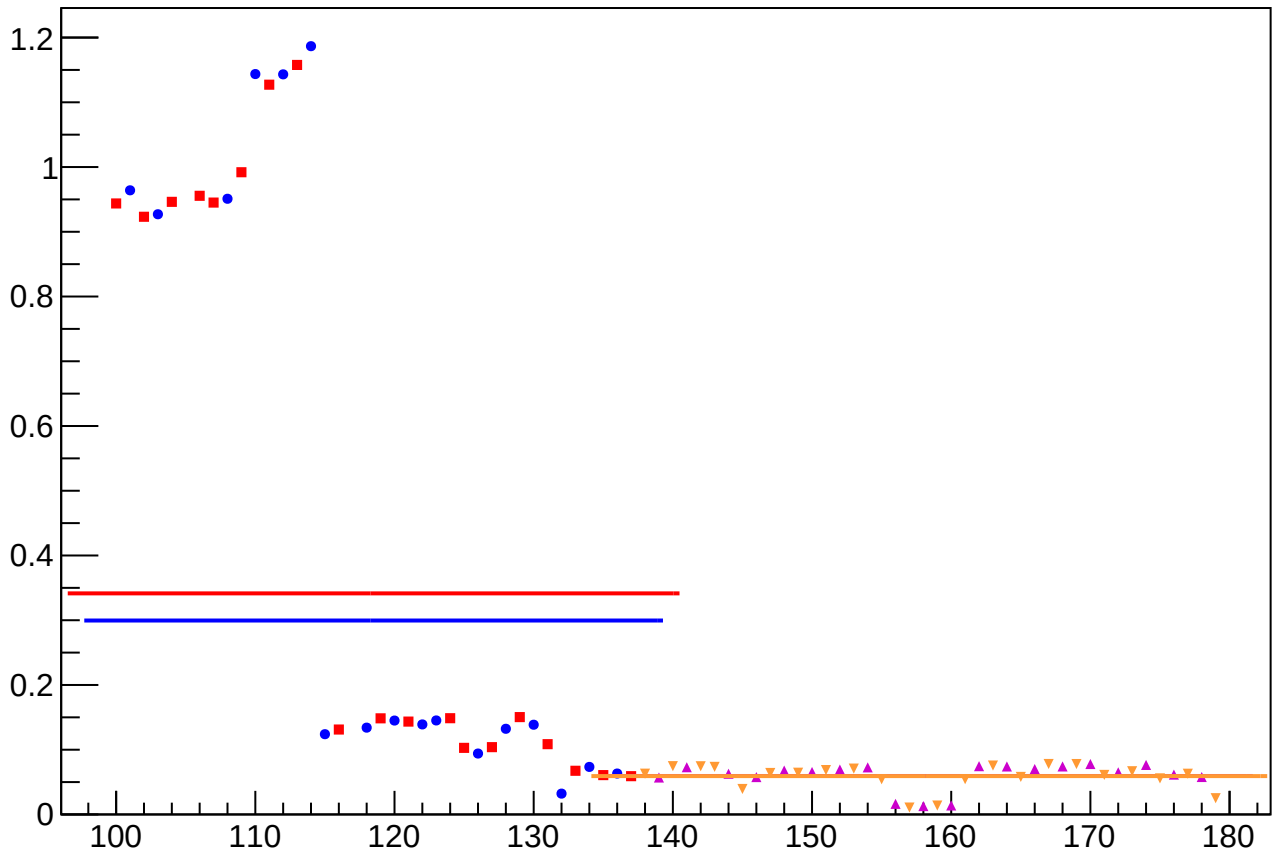
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 605924.5/19

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1786925.9/38

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3853163.5/77

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2061400.0/38

yield_bpm4ecY_mean vs Slug



Right In: 0.300 $\pm$ 0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.059 $\pm$ 0.000 χ^2/NDF : 45975111.6/21

Right Out: 0.341 $\pm$ 0.000 χ^2/NDF : 5450600455.1/18

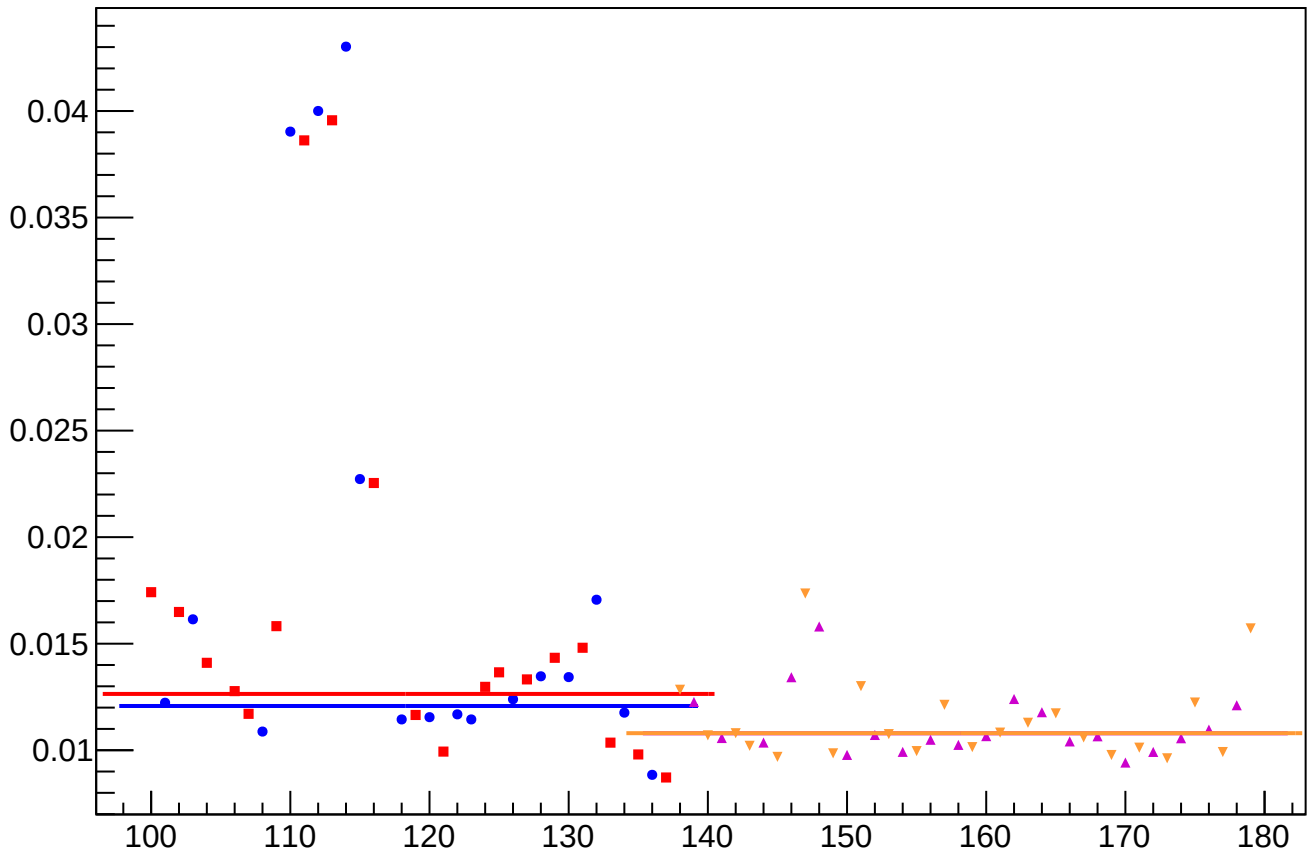
Left In: 0.059 $\pm$ 0.000 χ^2/NDF : 57226184.6/19

+ sign 0.114 $\pm$ 0.000 χ^2/NDF : 6944207661.2/38

All: 0.119 $\pm$ 0.000 χ^2/NDF : 14725940977.6/77

- sign 0.124 $\pm$ 0.000 χ^2/NDF : 7774253979.6/38

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:534723.3/21

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1237706.0/18

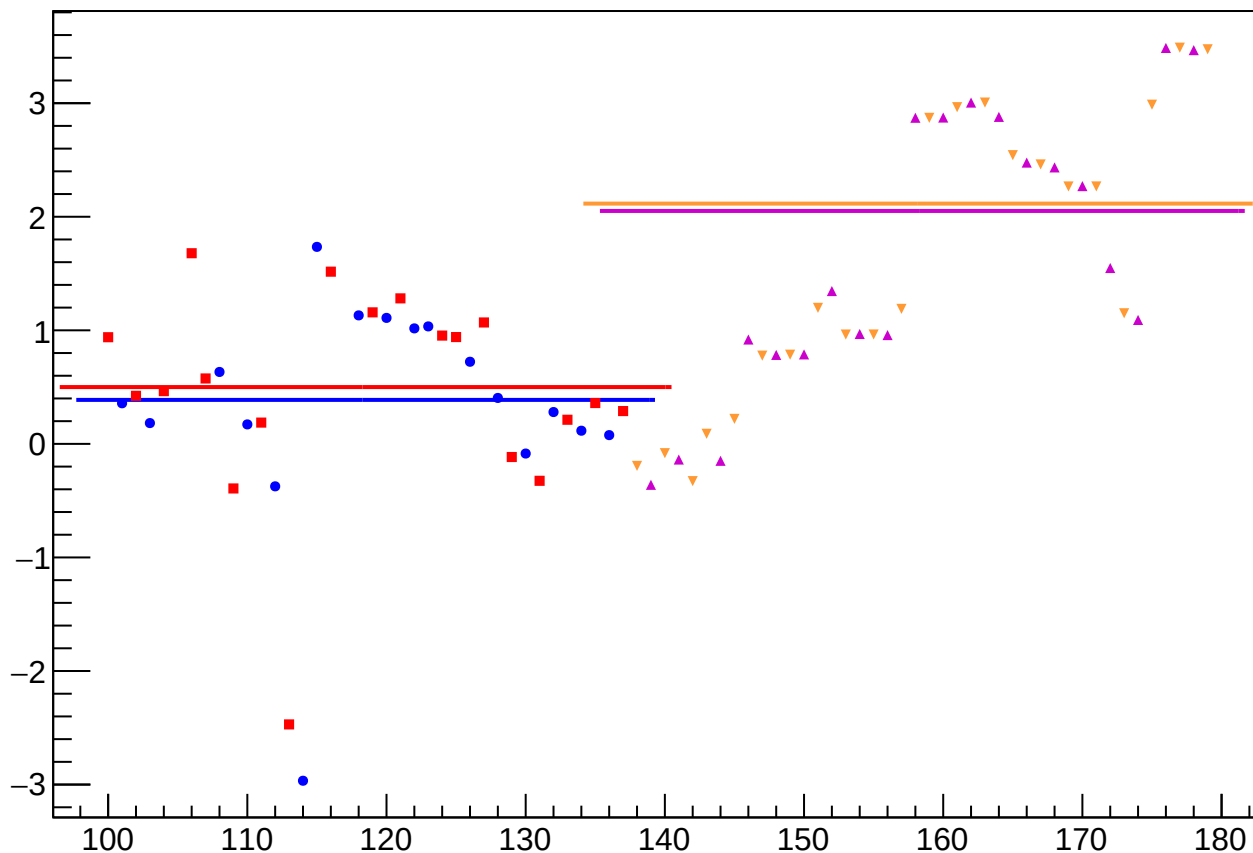
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:366275.8/19

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1914582.9/38

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3715744.9/77

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1798648.3/38

yield_bpm1X_mean vs Slug



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 247912593.5/16

Left Out: 2.116 $\pm$ 0.000 χ^2 /NDF: 42970788285.5/21

Right Out: 0.500 $\pm$ 0.000 χ^2 /NDF: 983360928.1/18

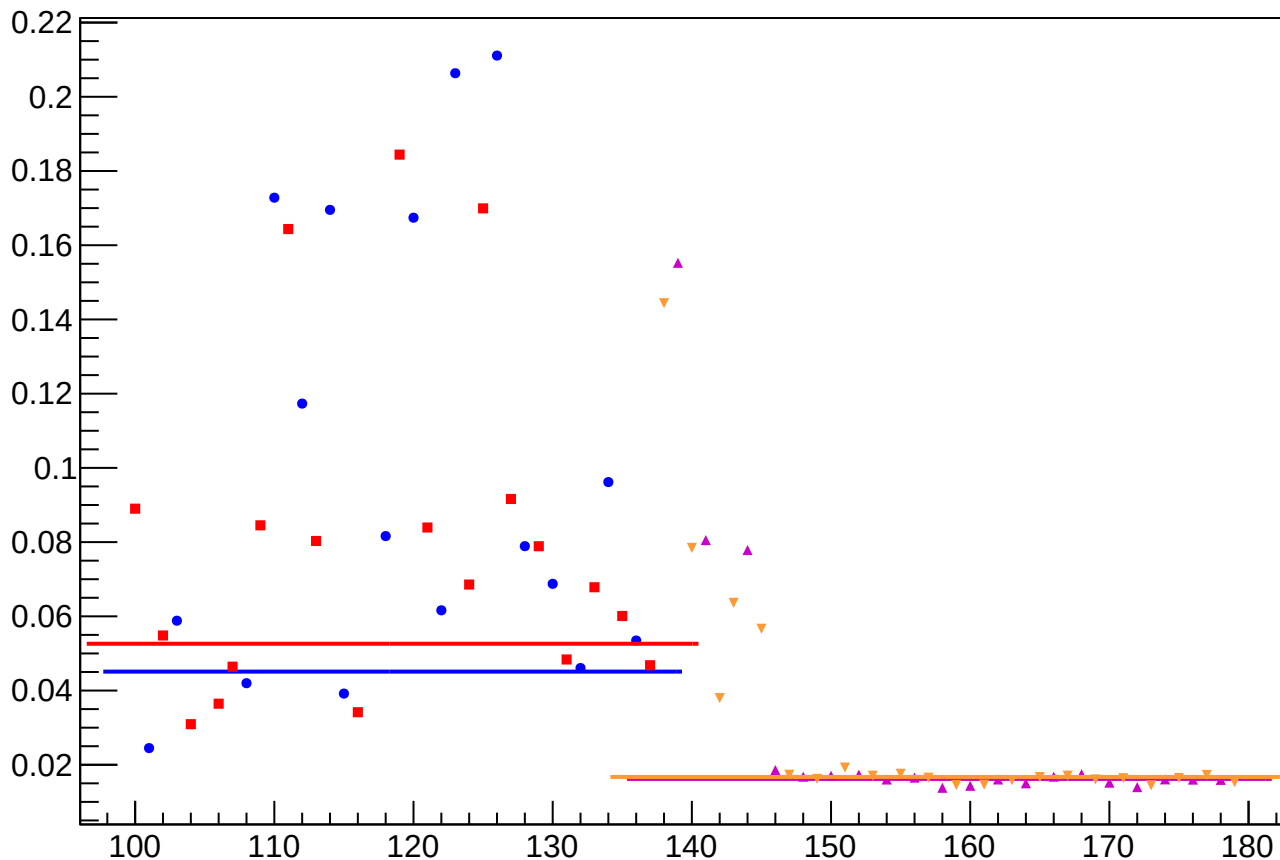
Left In: 2.051 $\pm$ 0.000 χ^2 /NDF: 42150979049.1/19

+ sign 2.050 $\pm$ 0.000 χ^2 /NDF: 48246039158.2/38

All: 2.026 $\pm$ 0.000 χ^2 /NDF: 94911016944.6/7

- sign 2.001 $\pm$ 0.000 χ^2 /NDF: 46608342754.2/38

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 : 2789716.8/21

Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

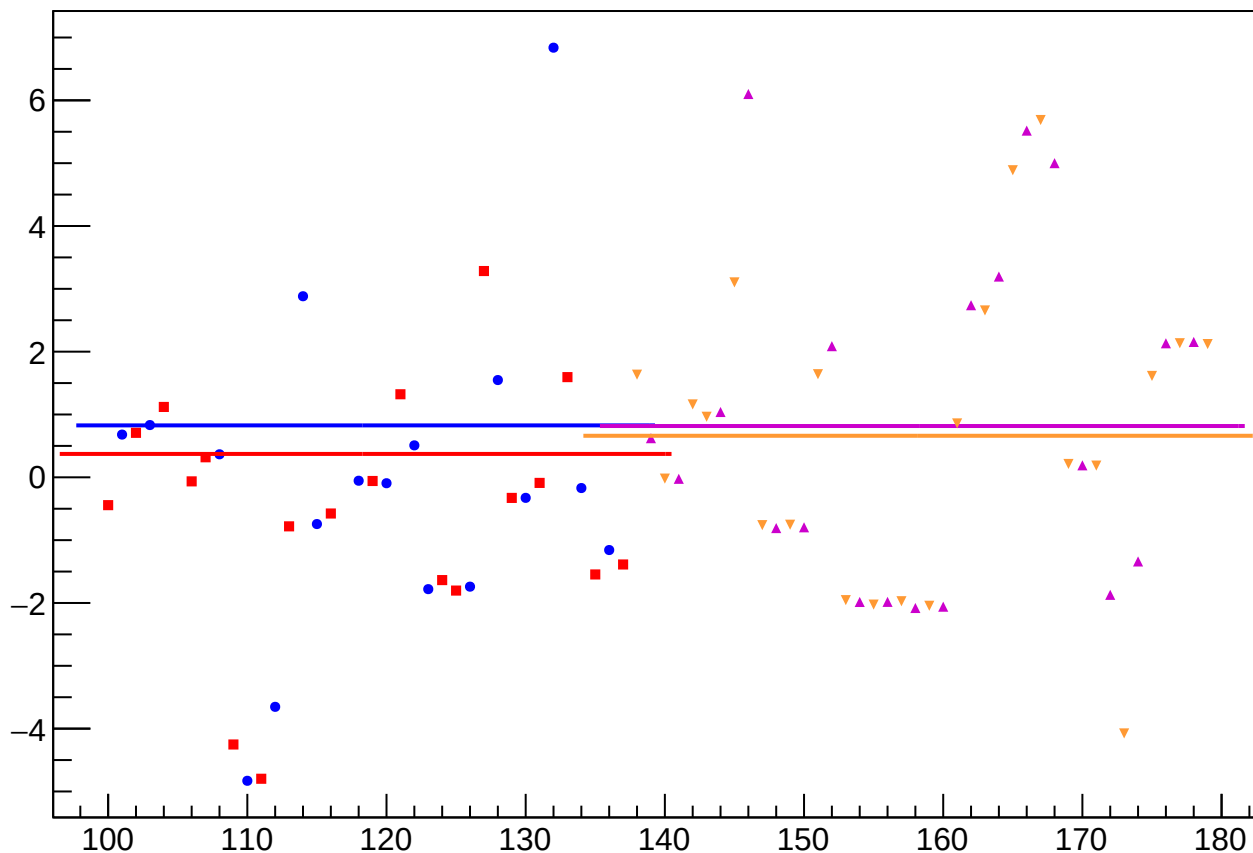
Left In: 0.016+/-0.000 χ^2/NDF : 2381236.9/19

+ sign 0.018+/-0.000 χ^2/NDF : 8345970.3/38

All: 0.018+/-0.000 χ^2/NDF : 16759545.0/77

- sign 0.017+/-0.000 χ^2/NDF : 8404909.9/38

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 χ^2/NDF : 10936458870.4/16

Left Out: 0.661 ± 0.000 χ^2/NDF : 495661575574.0/21

Right Out: 0.372 ± 0.000 χ^2/NDF : 4972900338.2/18

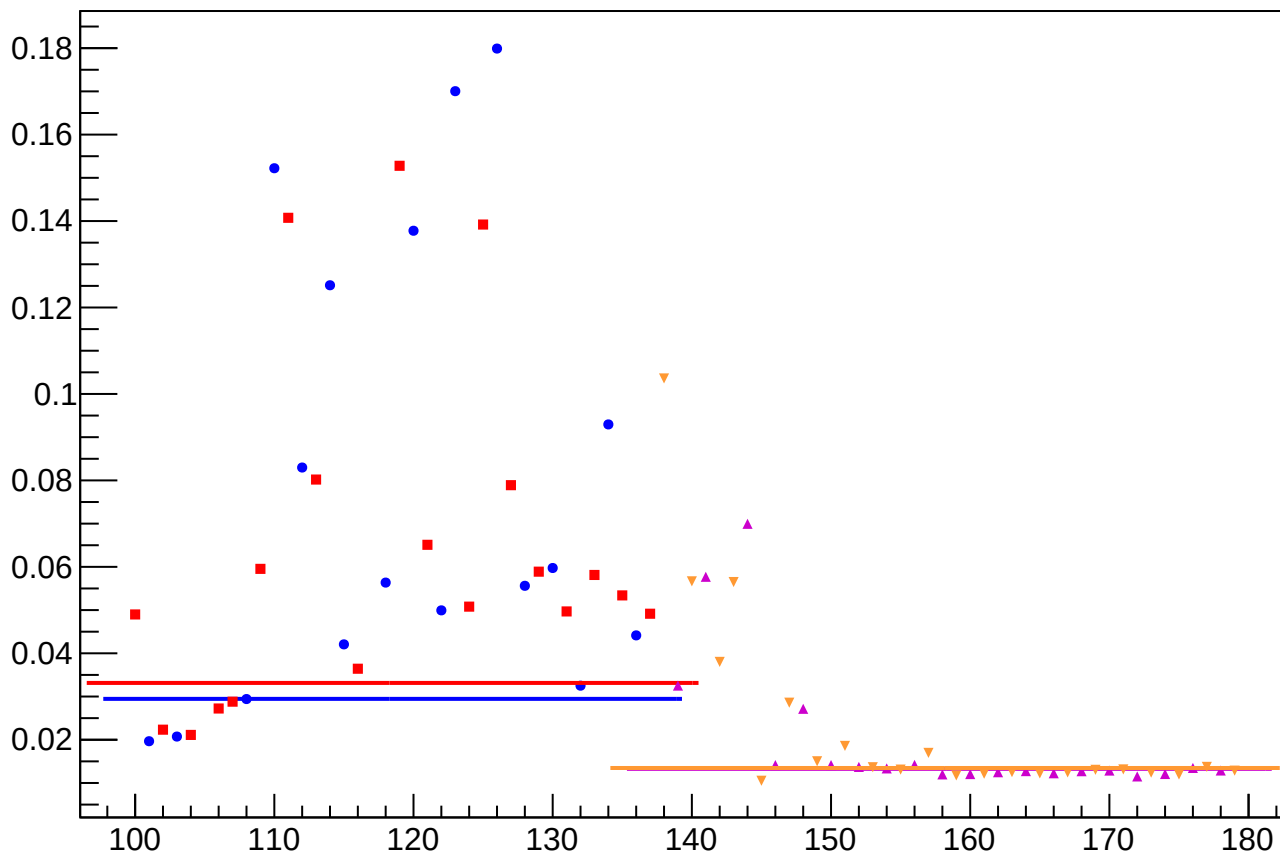
Left In: 0.817 ± 0.000 χ^2/NDF : 555040667496.4/19

+ sign 0.670 ± 0.000 χ^2/NDF : 506700052628.3/38

All: 0.732 ± 0.000 χ^2/NDF : 1067988211654.

- sign 0.796 ± 0.000 χ^2/NDF : 560672315035.2/38

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.013+/-0.000 χ^2/NDF :2895188.1/21

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

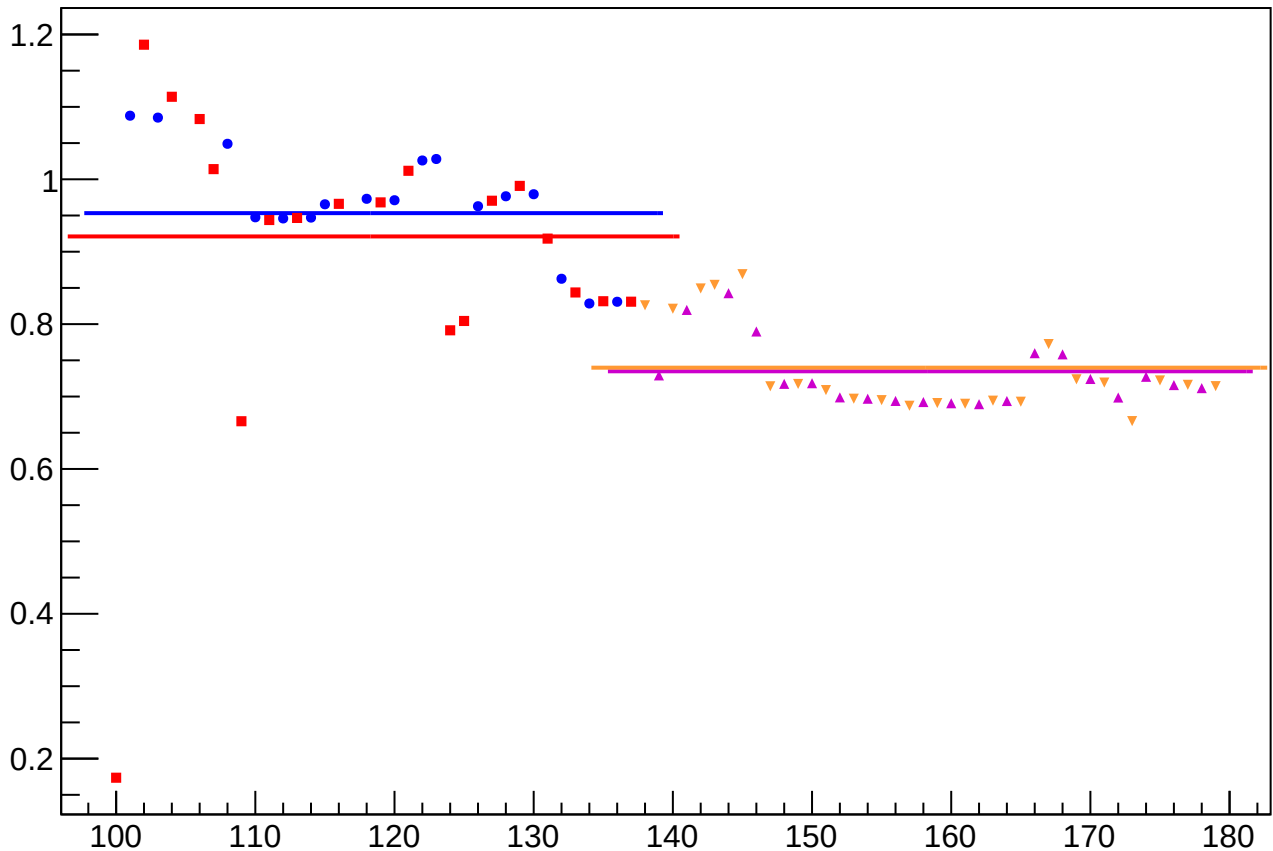
Left In: 0.013+/-0.000 χ^2/NDF :1929008.6/19

+ sign 0.014+/-0.000 χ^2/NDF : 7859618.3/38

All: 0.014+/-0.000 χ^2/NDF : 15523687.6/77

- sign 0.014+/-0.000 χ^2/NDF : 7663366.4/38

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.740 $\pm$ 0.000 χ^2 /NDF: 293803974.9/21

+ sign 0.801 $\pm$ 0.000 χ^2 /NDF: 1475194519.2/38

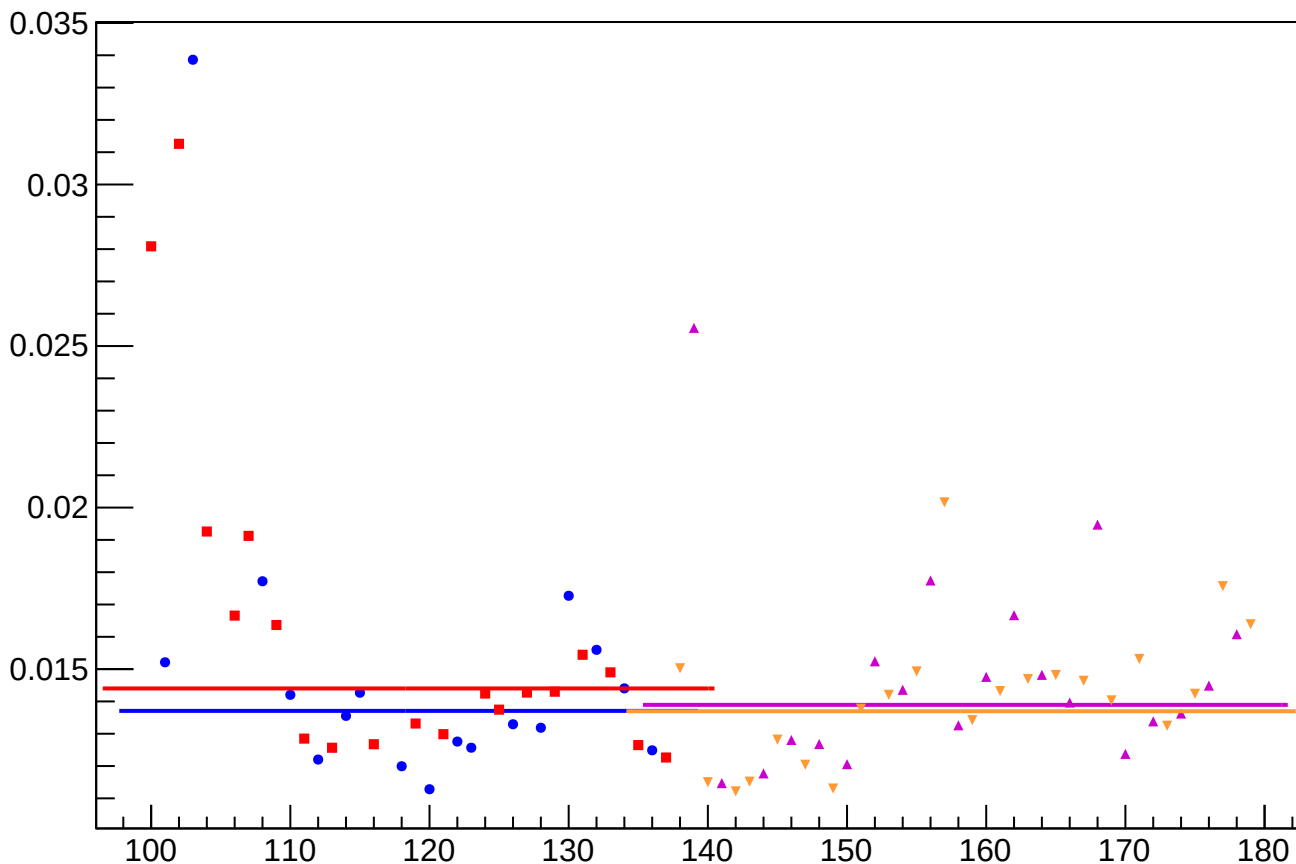
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374221279.1/18

All: 0.795 $\pm$ 0.000 χ^2 /NDF: 2742473537.7/77

- sign 0.789 $\pm$ 0.000 χ^2 /NDF: 1260404249.4/38

Left In: 0.735 $\pm$ 0.000 χ^2 /NDF: 166752208.6/19

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: 511163.4/21

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

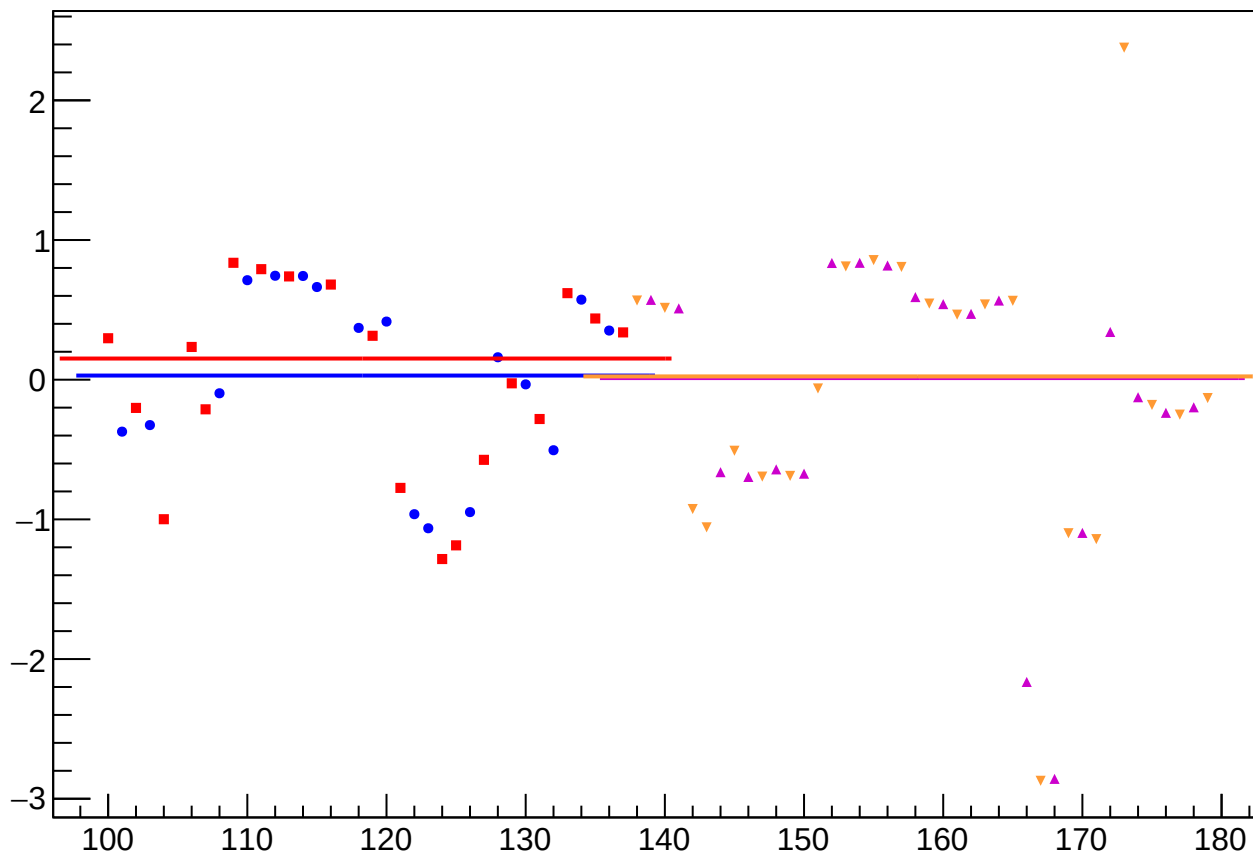
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 756207.4/19

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1057486.2/38

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2338397.0/77

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1268674.3/38

yield_bpm11Y_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 95589807797.8/21

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12661812059.7/18

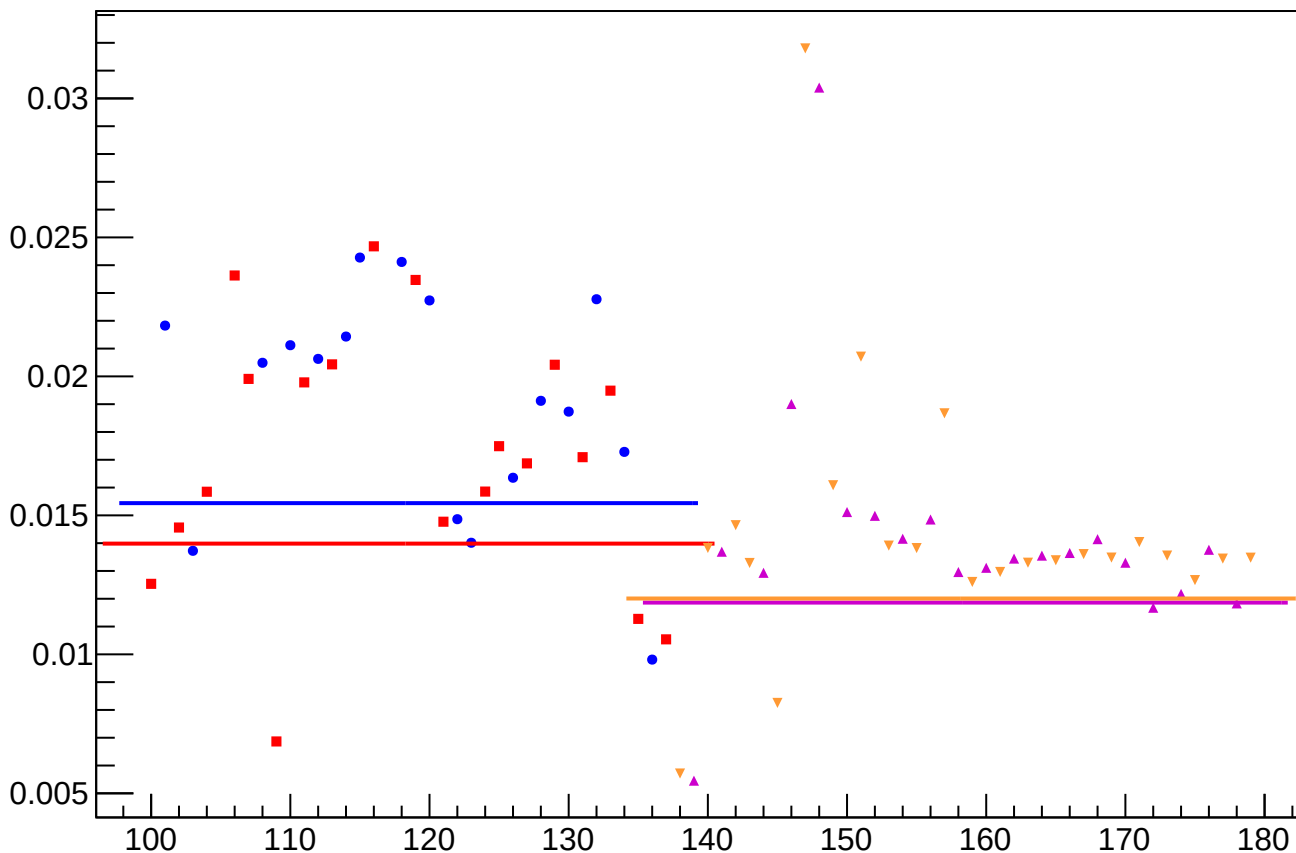
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 78759003823.1/19

+ sign 0.025 $\pm$ 0.000 χ^2 /NDF: 101885349094.5/38

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 193758919494.4

- sign 0.044 $\pm$ 0.000 χ^2 /NDF: 91849926158.5/38

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1161852.5/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3084462.1/21

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1560788.2/18

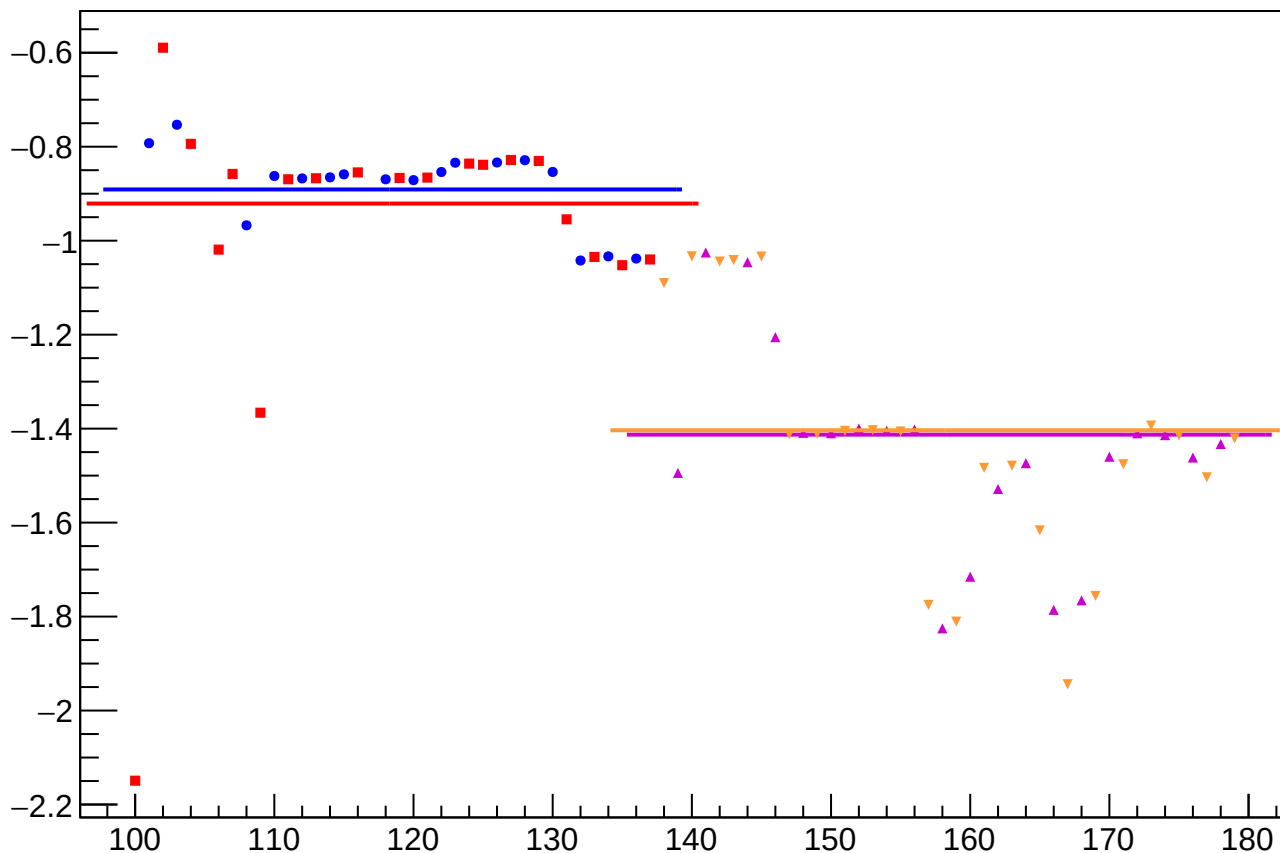
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:2969083.4/19

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4696686.5/38

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 9436210.0/77

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 4727361.2/38

yield_bpm12X_mean vs Slug



Right In: -0.891 ± 0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.403 ± 0.000 χ^2/NDF : 721707100.6/21

Right Out: -0.921 ± 0.000 χ^2/NDF : 131183059.9/18

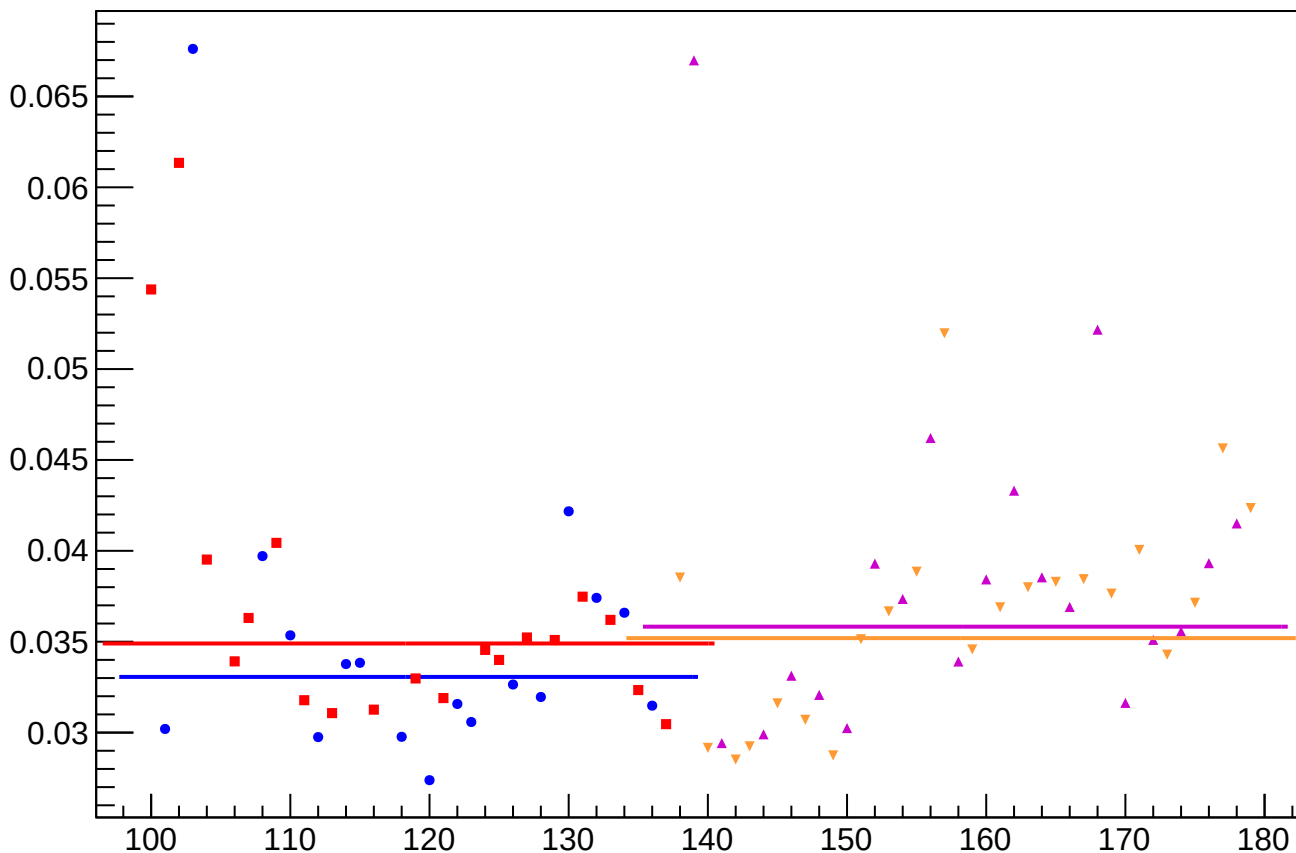
Left In: -1.413 ± 0.000 χ^2/NDF : 512265965.9/19

+ sign -1.241 ± 0.000 χ^2/NDF : 1724691738.7/38

All: -1.247 ± 0.000 χ^2/NDF : 3194557574.8/7

- sign -1.253 ± 0.000 χ^2/NDF : 1468667283.7/38

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 : 576545.1/21

Right Out: 0.035+/-0.000 χ^2/NDF : 274270.8/18

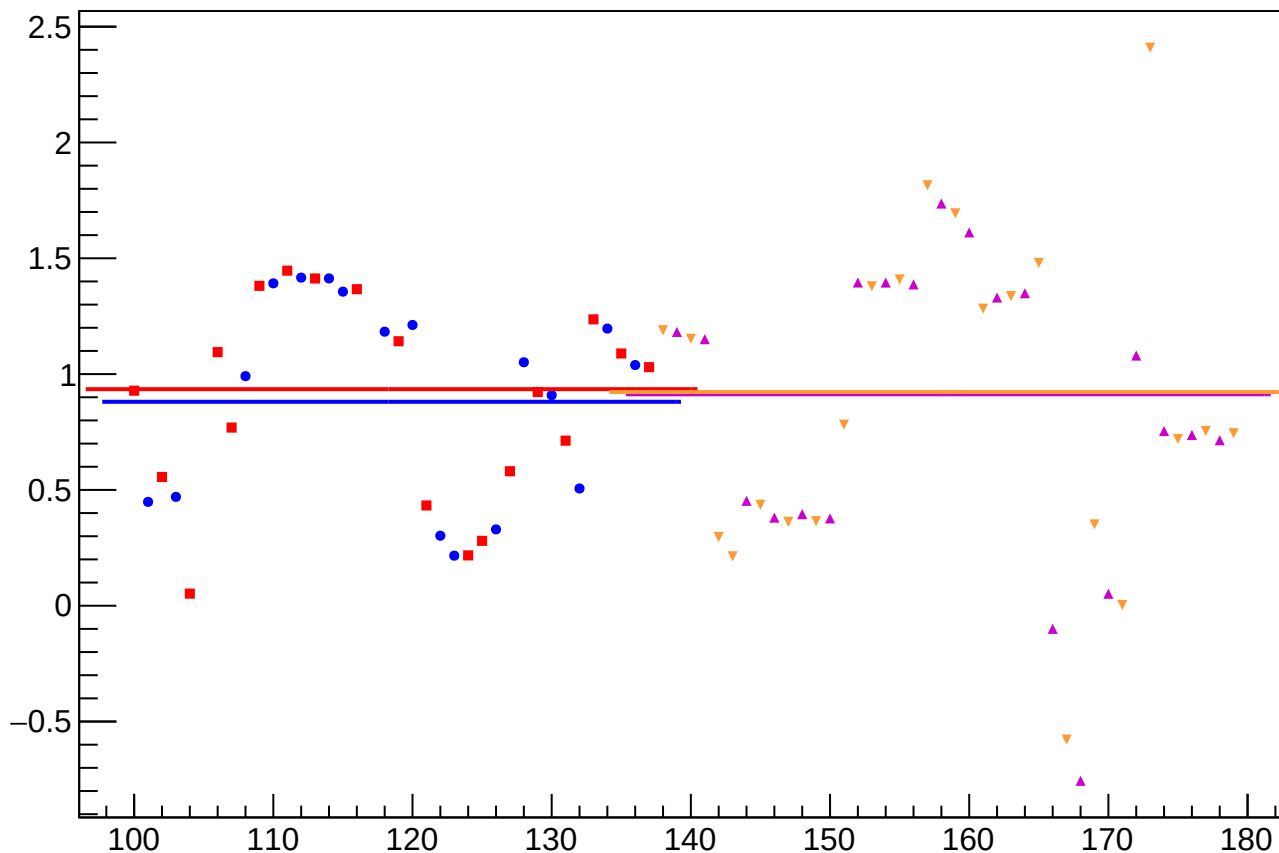
Left In: 0.036+/-0.000 χ^2/NDF : 848101.6/19

+ sign 0.035+/-0.000 χ^2/NDF : 1019249.0/38

All: 0.035+/-0.000 χ^2/NDF : 2163908.2/77

- sign 0.036+/-0.000 χ^2/NDF : 1128214.2/38

yield_bpm12Y_mean vs Slug



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 0.923 $\pm$ 0.000 χ^2 /NDF: 83239756643.7/21

Right Out: 0.935 $\pm$ 0.000 χ^2 /NDF: 9833525935.6/18

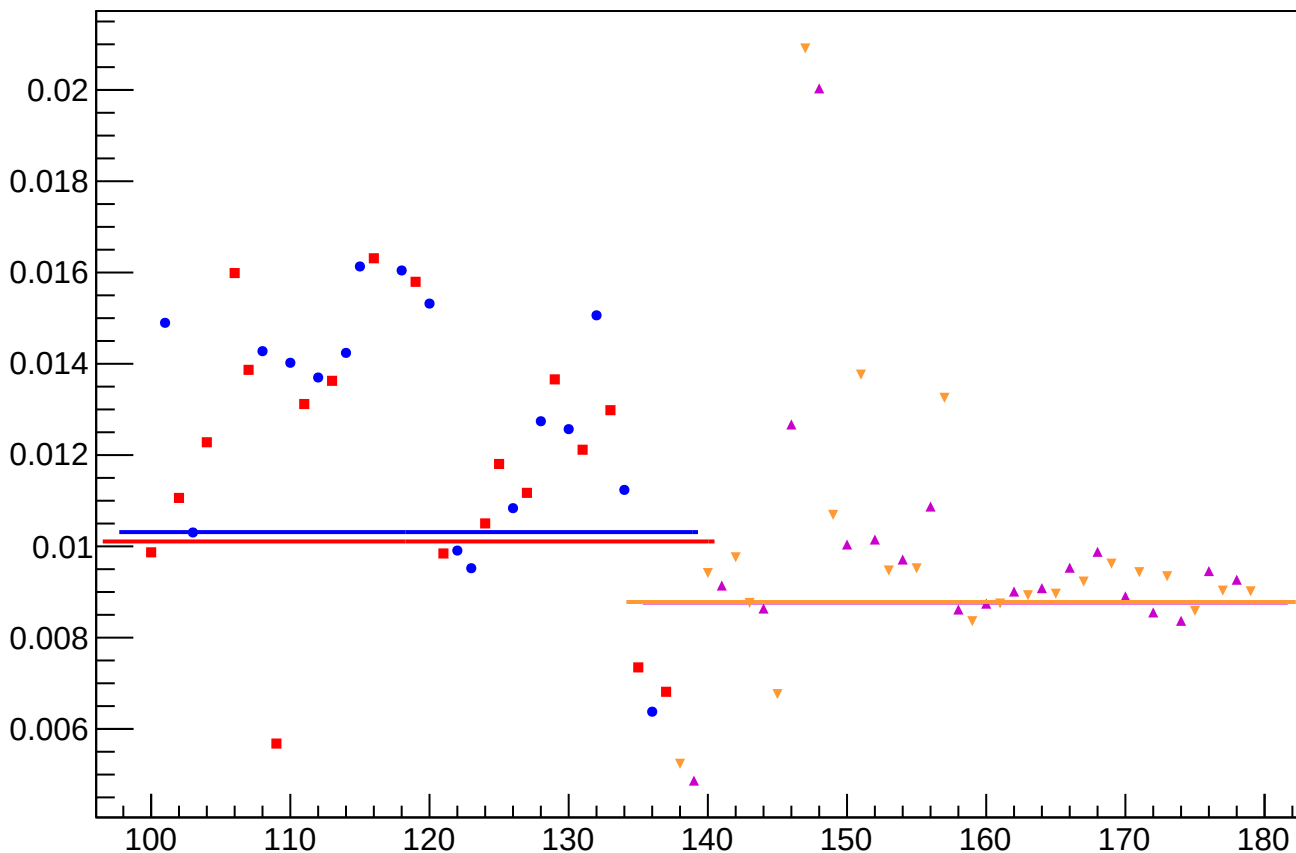
Left In: 0.913 $\pm$ 0.000 χ^2 /NDF: 66173054207.0/19

+ sign 0.914 $\pm$ 0.000 χ^2 /NDF: 89713712150.5/38

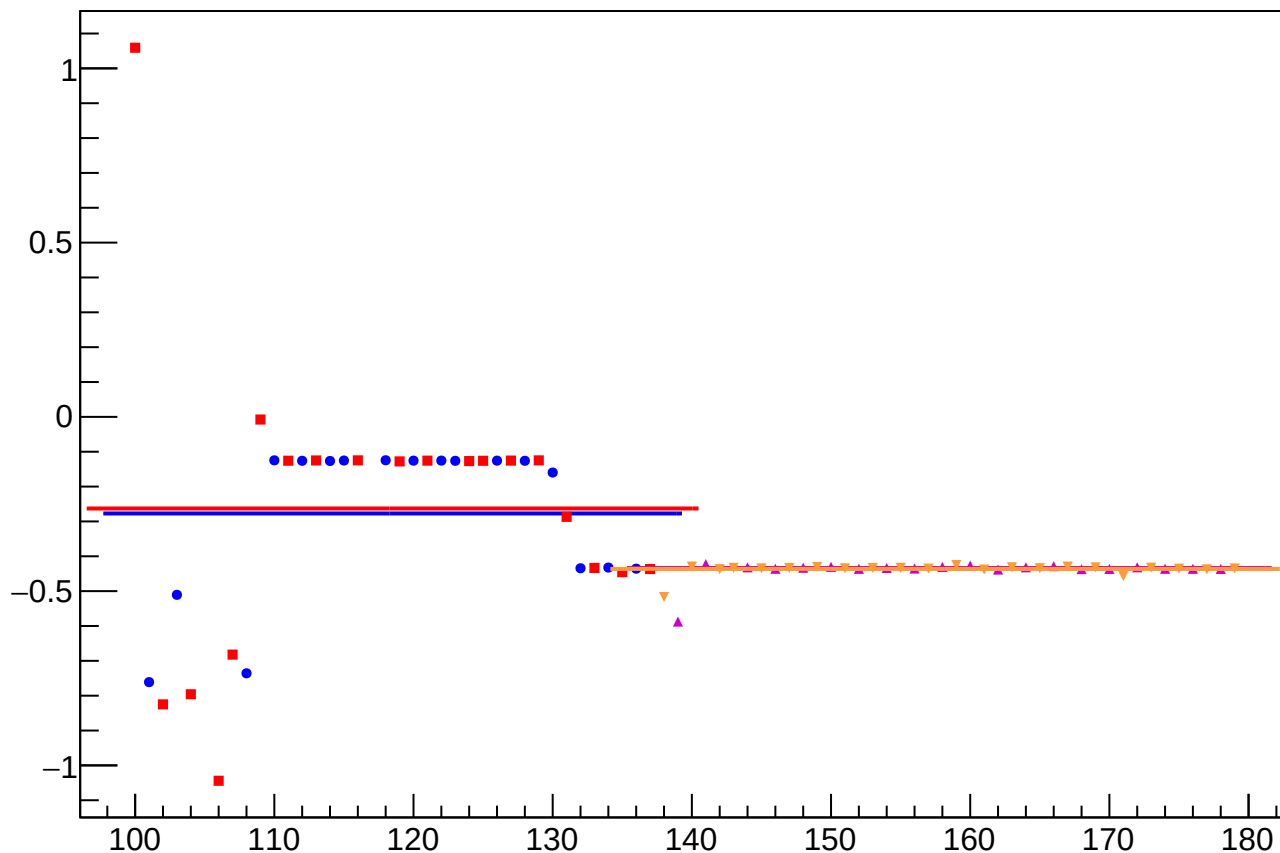
All: 0.916 $\pm$ 0.000 χ^2 /NDF: 165744153887.3

- sign 0.918 $\pm$ 0.000 χ^2 /NDF: 76028033766.6/38

yield_bpm12Y_rms vs Slug



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 : 28766378.8/21

Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

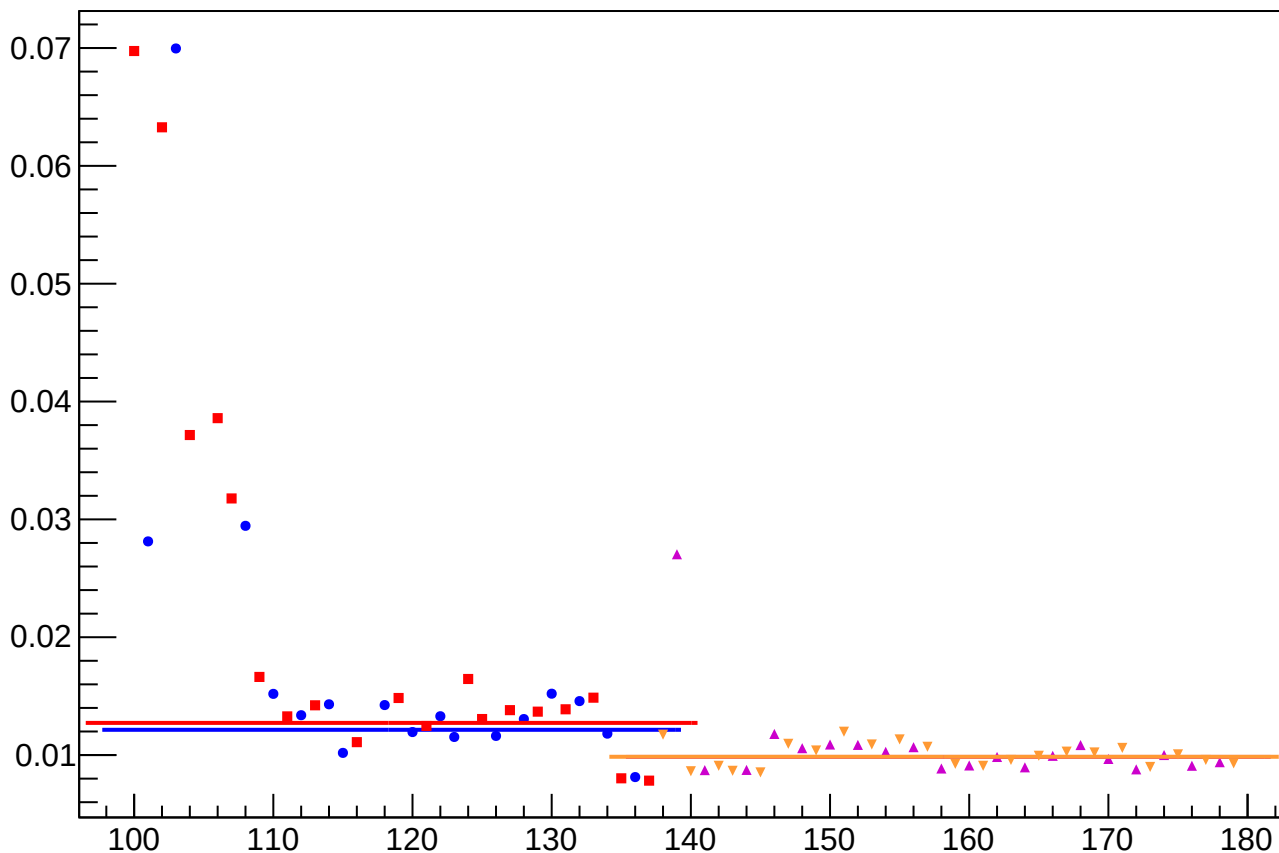
Left In: -0.434 ± 0.000 χ^2/NDF : 23787464.5/19

+ sign -0.407 ± 0.000 χ^2/NDF : 1632044501.6/38

All: -0.405 ± 0.000 χ^2/NDF : 3379525245.8/7

- sign -0.402 ± 0.000 χ^2/NDF : 1745381883.8/38

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:253617.0/21

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1969165.0/18

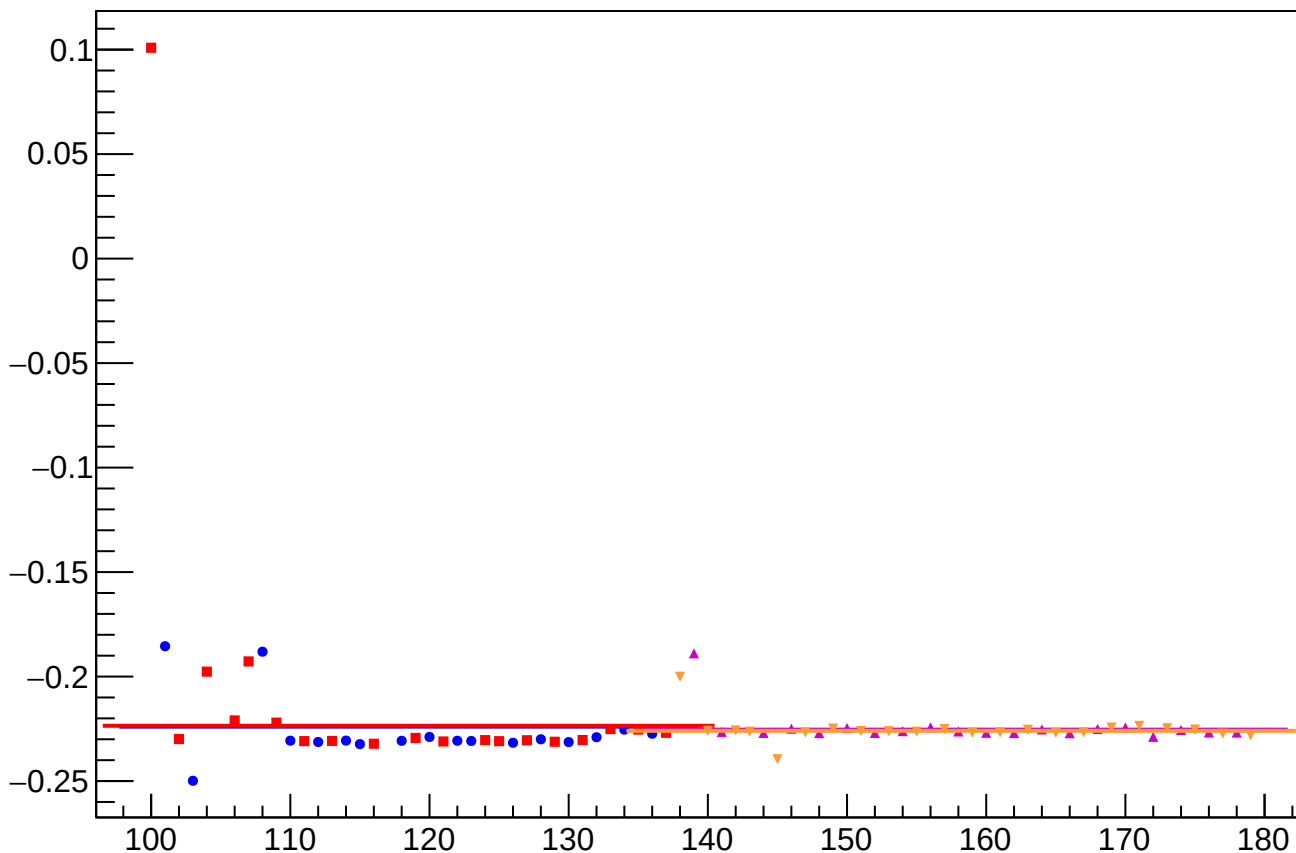
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:737302.9/19

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2255182.8/38

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5371259.5/77

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3114425.3/38

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 : 21091142.0/21

Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

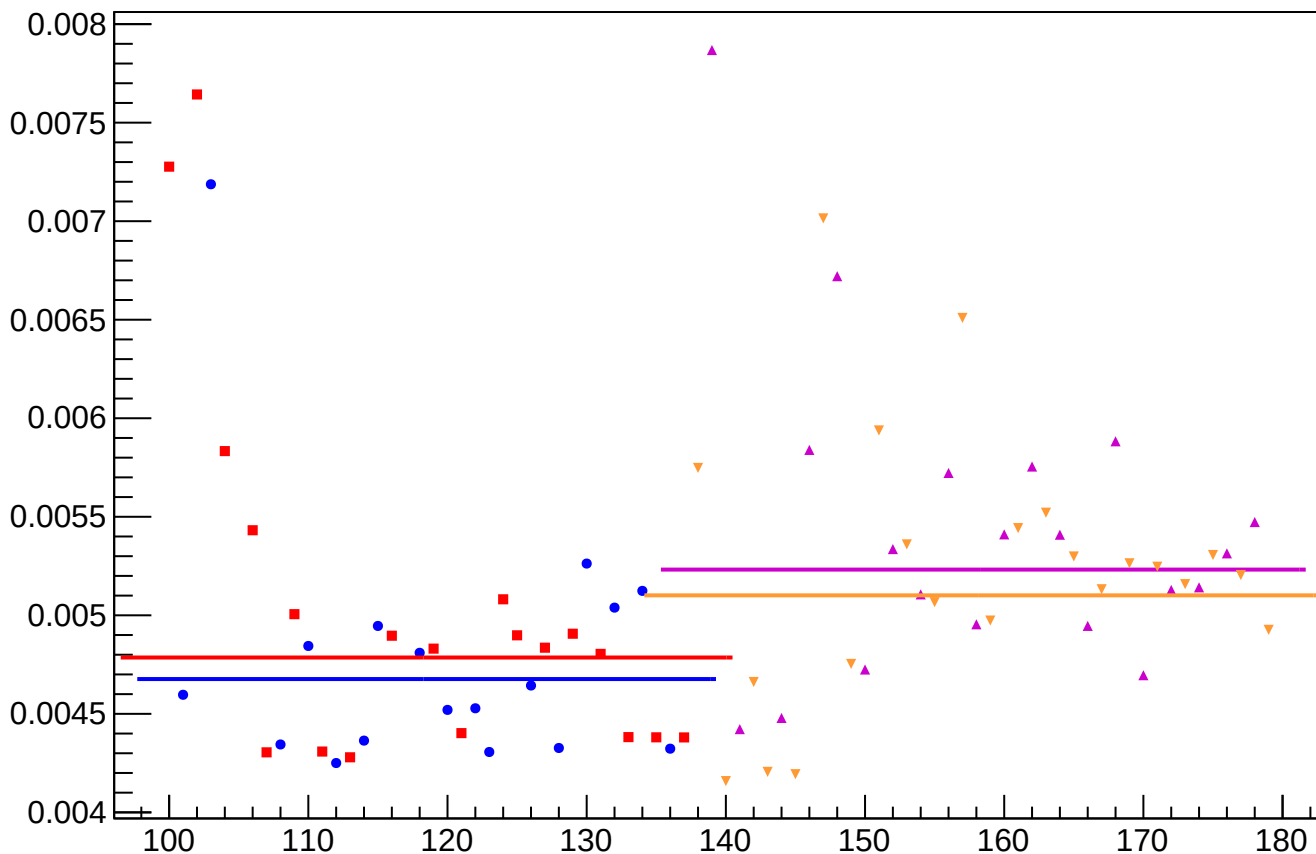
Left In: -0.225+/-0.000 χ^2/NDF : 14798735.4/19

+ sign -0.225+/-0.000 χ^2/NDF : 96557633.9/38

All: -0.225+/-0.000 χ^2/NDF : 280242424.2/77

- sign -0.225+/-0.000 χ^2/NDF : 183553708.1/38

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 : 456258.9/21

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

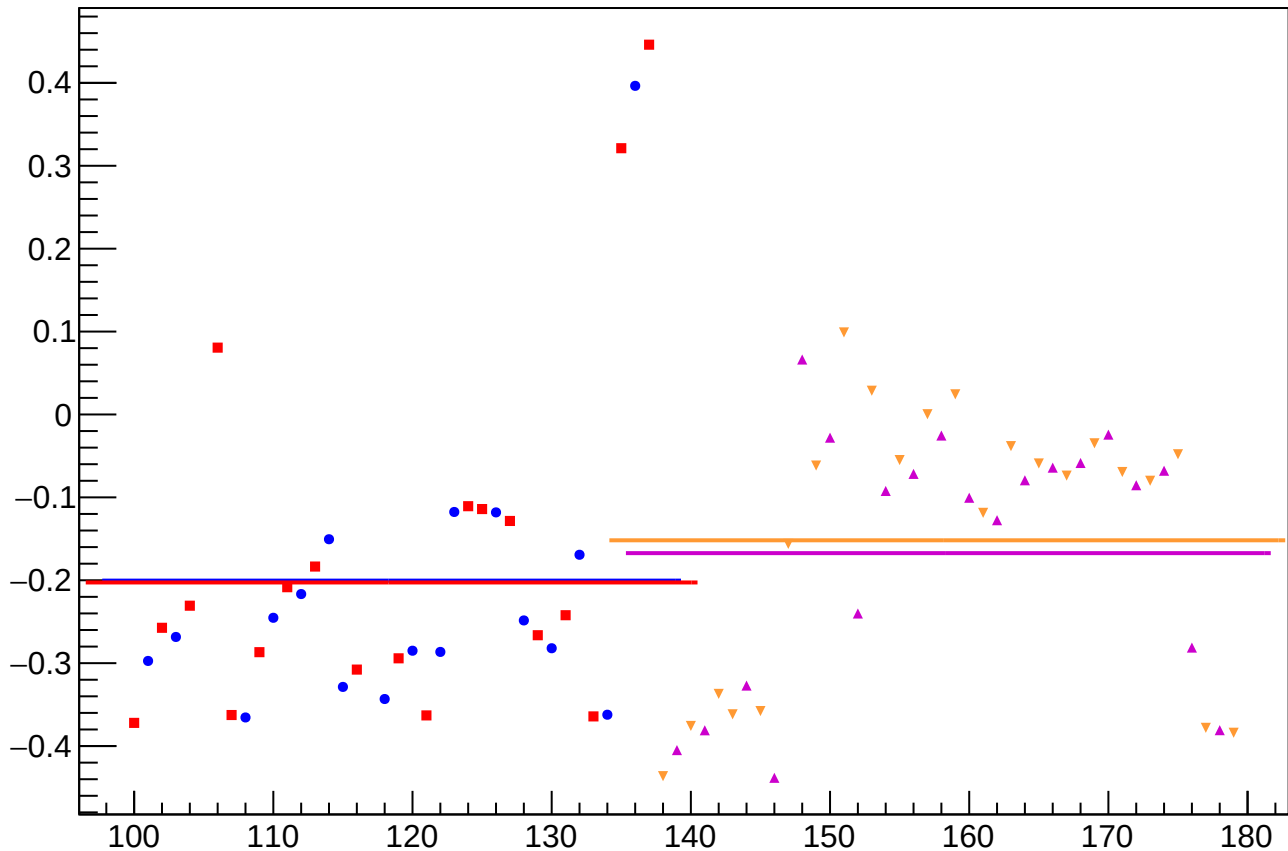
Left In: 0.005+/-0.000 χ^2/NDF : 429991.9/19

+ sign 0.005+/-0.000 χ^2/NDF : 705657.4/38

All: 0.005+/-0.000 χ^2/NDF : 1466892.6/77

- sign 0.005+/-0.000 χ^2/NDF : 750905.1/38

yield_bpm0i02X_mean vs Slug



Right In: -0.200 ± 0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.152 ± 0.000 χ^2/NDF : 14569823179.6/21

Right Out: -0.203 ± 0.000 χ^2/NDF : 5028268807.1/18

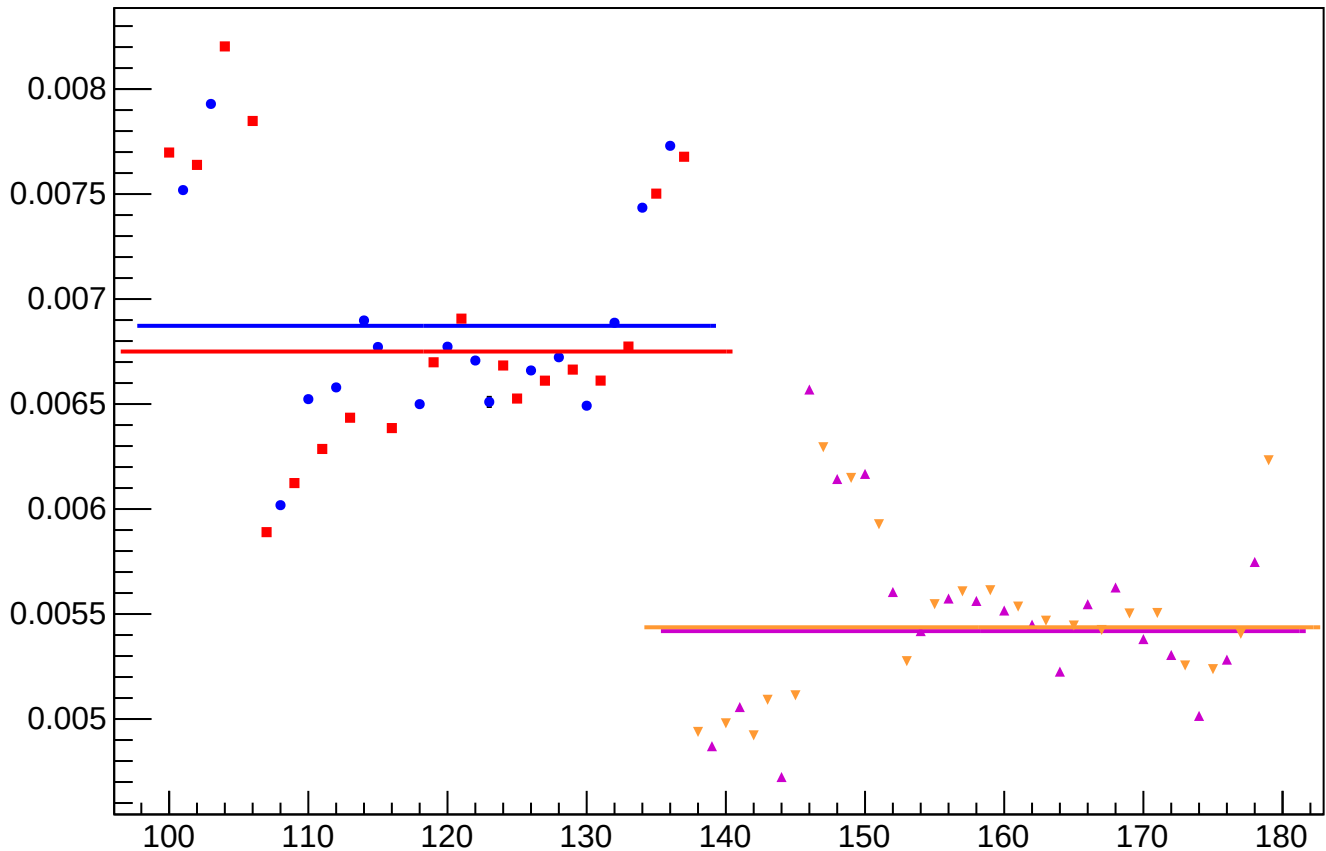
Left In: -0.167 ± 0.000 χ^2/NDF : 10637361765.7/19

+ sign -0.162 ± 0.000 χ^2/NDF : 20803948878.2/38

All: -0.169 ± 0.000 χ^2/NDF : 36675752935.5

- sign -0.176 ± 0.000 χ^2/NDF : 15810417251.0/38

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 : 135576.5/21

Right Out: 0.007+/-0.000 χ^2/NDF : 105124.4/18

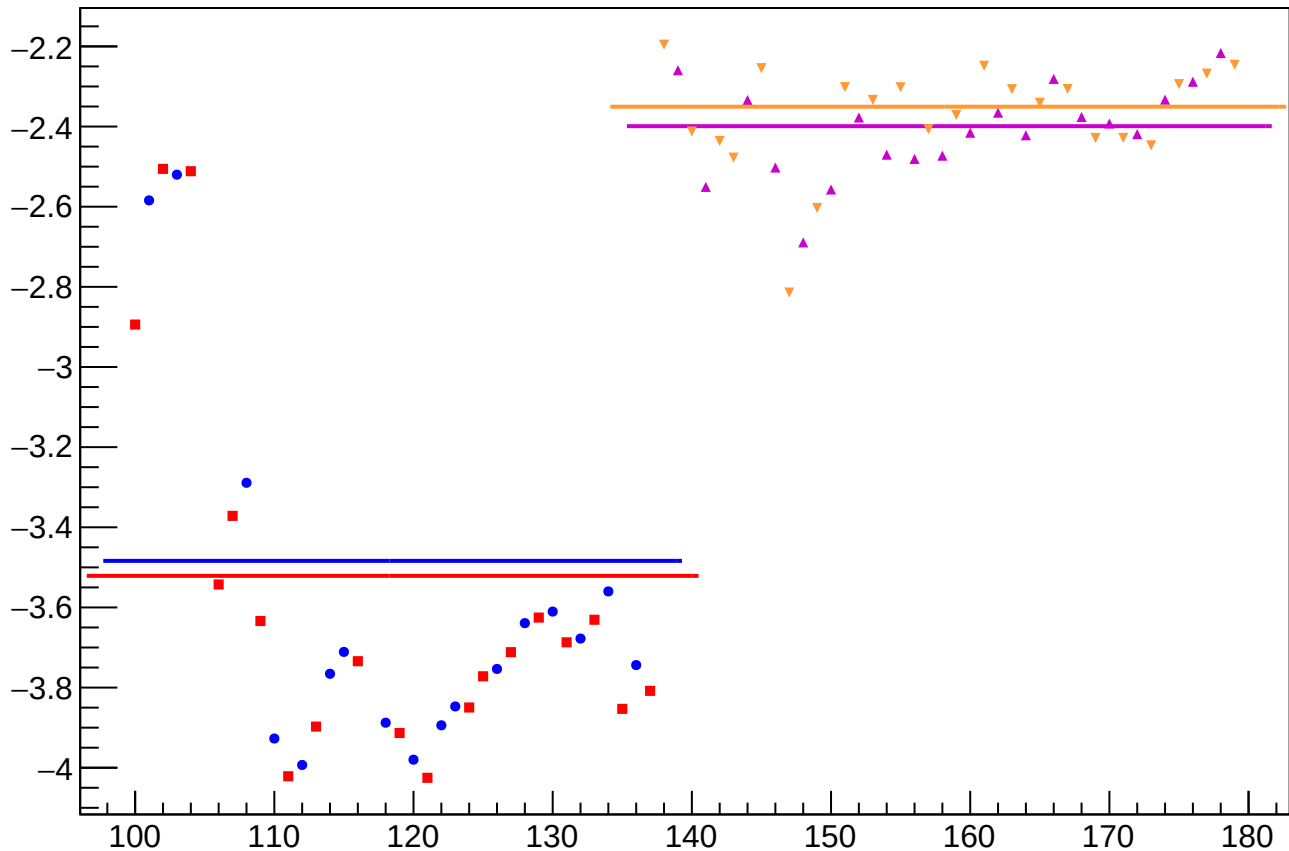
Left In: 0.005+/-0.000 χ^2/NDF : 164901.6/19

+ sign 0.006+/-0.000 χ^2/NDF : 668191.6/38

All: 0.006+/-0.000 χ^2/NDF : 1348322.8/77

- sign 0.006+/-0.000 χ^2/NDF : 680114.7/38

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.350+/-0.000 χ^2/NDF : 2111791335.9/21

Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

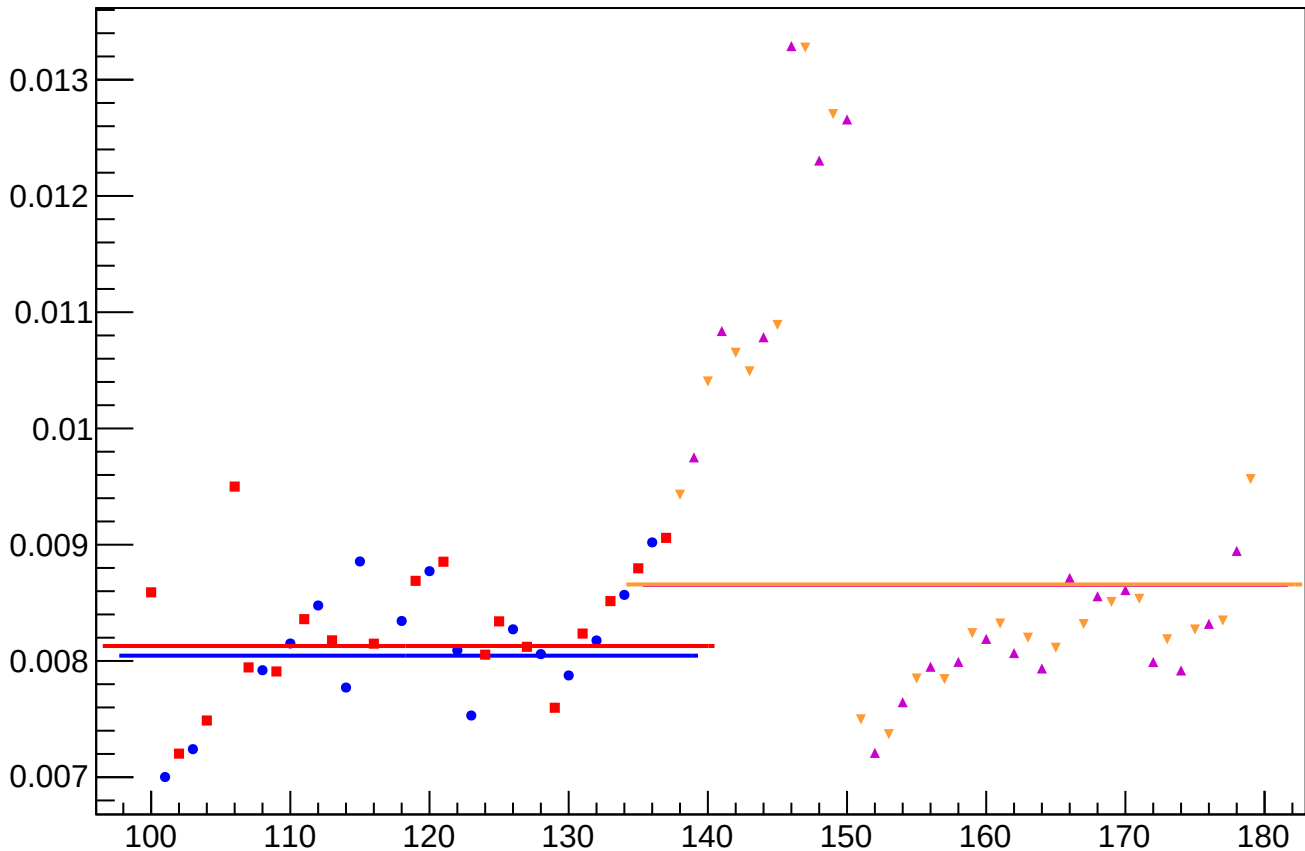
Left In: -2.399+/-0.000 χ^2/NDF : 1718720242.9/19

+ sign -2.722+/-0.000 χ^2/NDF : 116086794803.8/38

All: -2.755+/-0.000 χ^2/NDF : 229071391954.1

- sign -2.790+/-0.000 χ^2/NDF : 112289945825.0/38

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 : 619352.1/21

Right Out: 0.008+/-0.000 χ^2/NDF : 57478.2/18

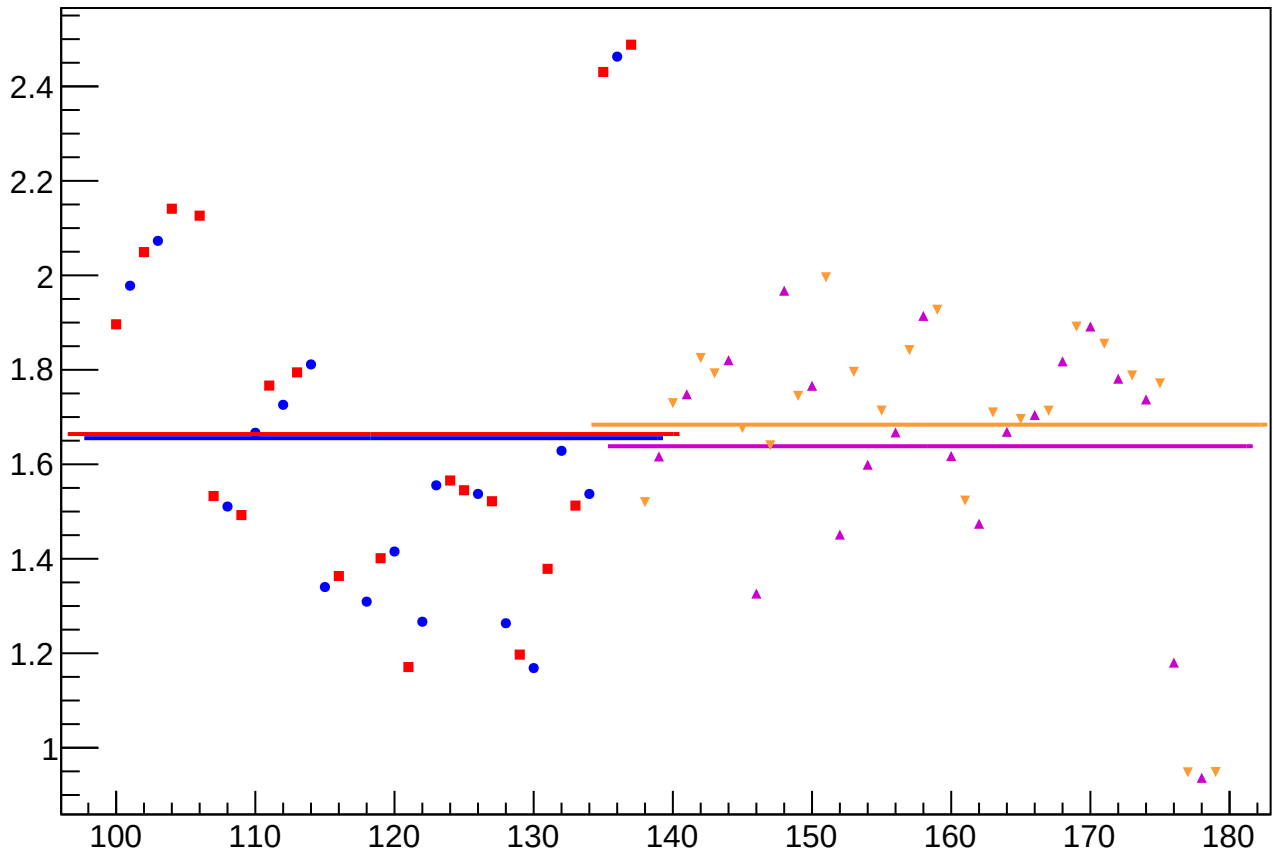
Left In: 0.009+/-0.000 χ^2/NDF : 730257.7/19

+ sign 0.008+/-0.000 χ^2/NDF : 742102.9/38

All: 0.008+/-0.000 χ^2/NDF : 1566657.1/77

- sign 0.008+/-0.000 χ^2/NDF : 824501.4/38

yield_bpm0i02aX_mean vs Slug



Right In: 1.655 ± 0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.684 ± 0.000 χ^2/NDF : 9930454350.5/21

Right Out: 1.664 ± 0.000 χ^2/NDF : 5944262279.7/18

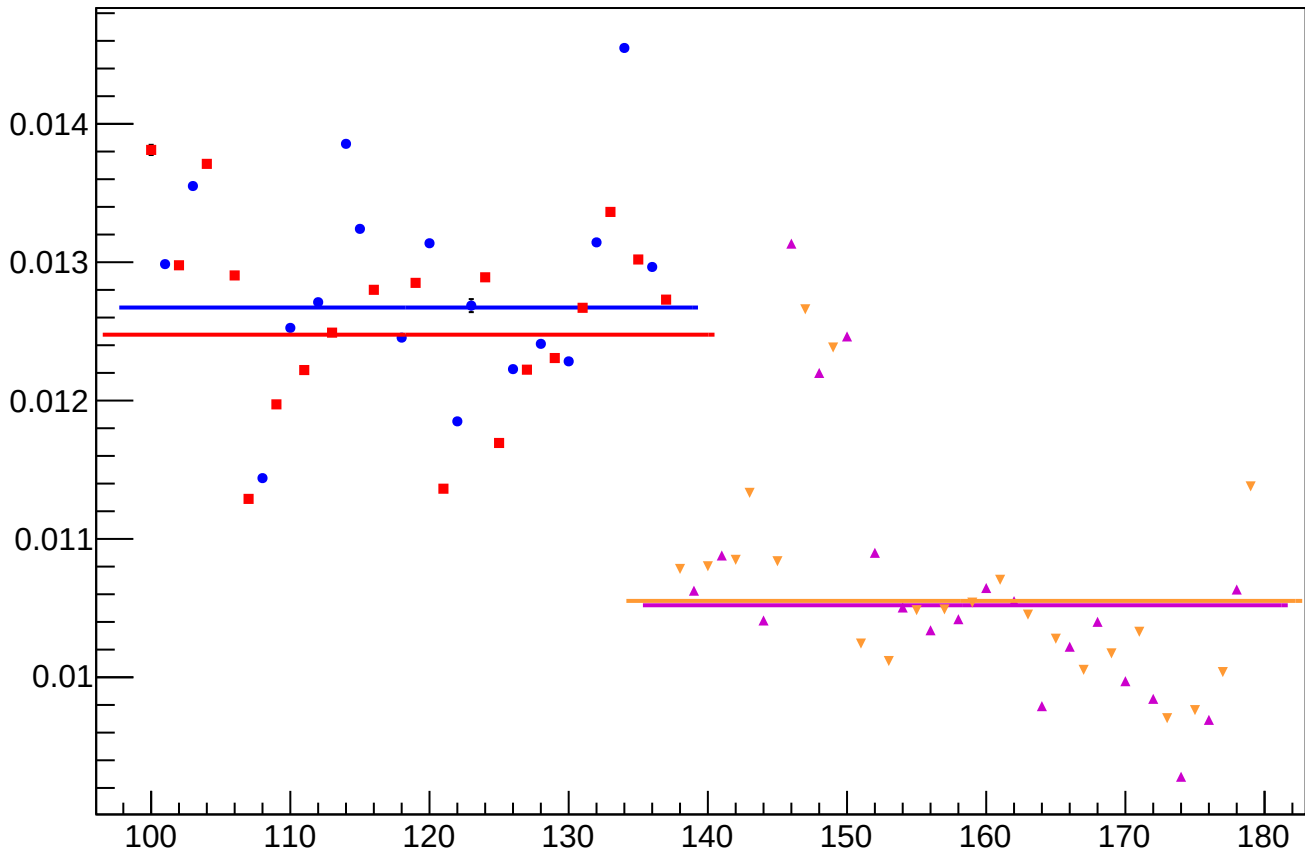
Left In: 1.638 ± 0.000 χ^2/NDF : 8299772237.2/19

+ sign 1.678 ± 0.000 χ^2/NDF : 16432989297.7/38

All: 1.661 ± 0.000 χ^2/NDF : 30796344838.6/7

- sign 1.645 ± 0.000 χ^2/NDF : 14266149735.4/38

yield_bpm0i02aX_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 31801.3/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:128027.6/21

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 39134.8/18

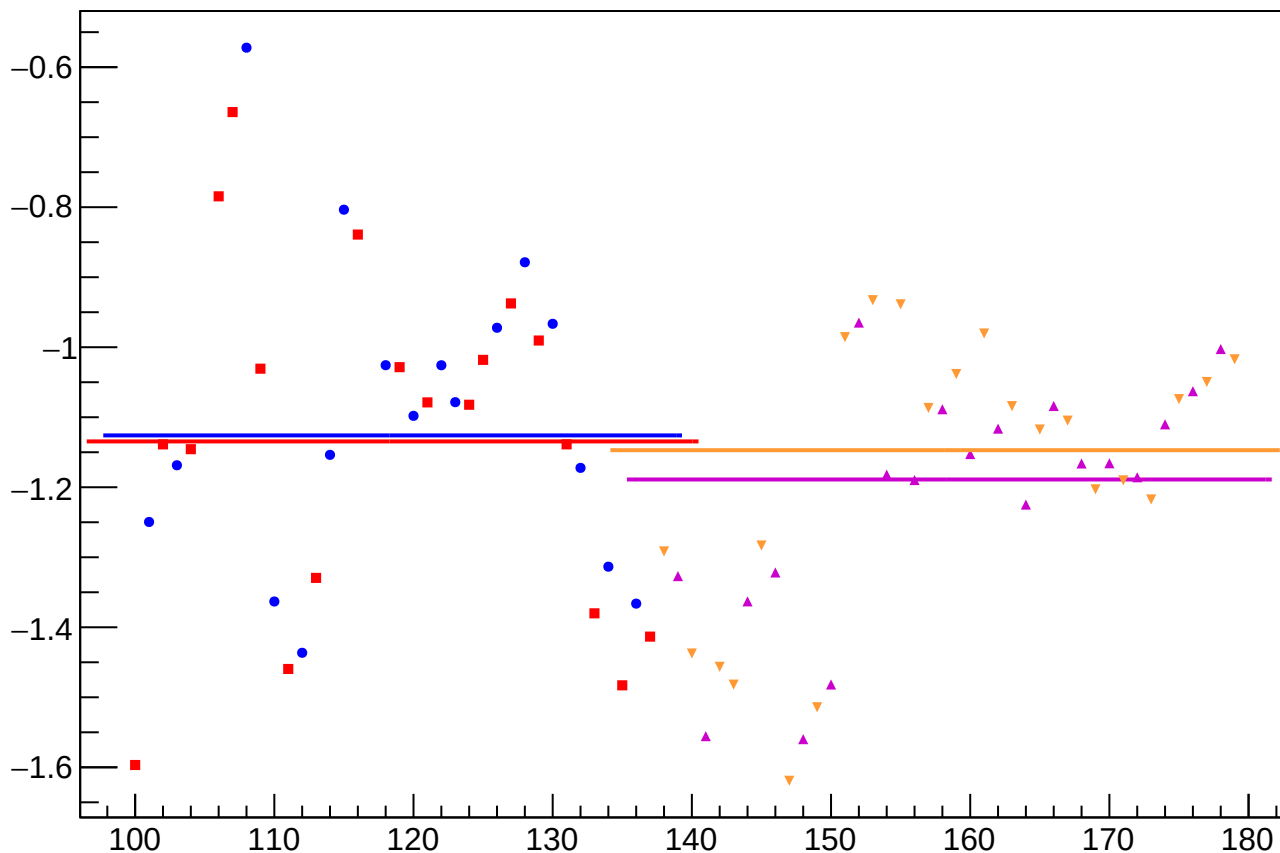
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:181851.1/19

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 445530.6/38

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 920576.3/77

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 475005.9/38

yield_bpm0i02aY_mean vs Slug



Right In: -1.126 ± 0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.147 ± 0.000 χ^2/NDF : 7676544636.8/21

Right Out: -1.135 ± 0.000 χ^2/NDF : 3677461023.4/18

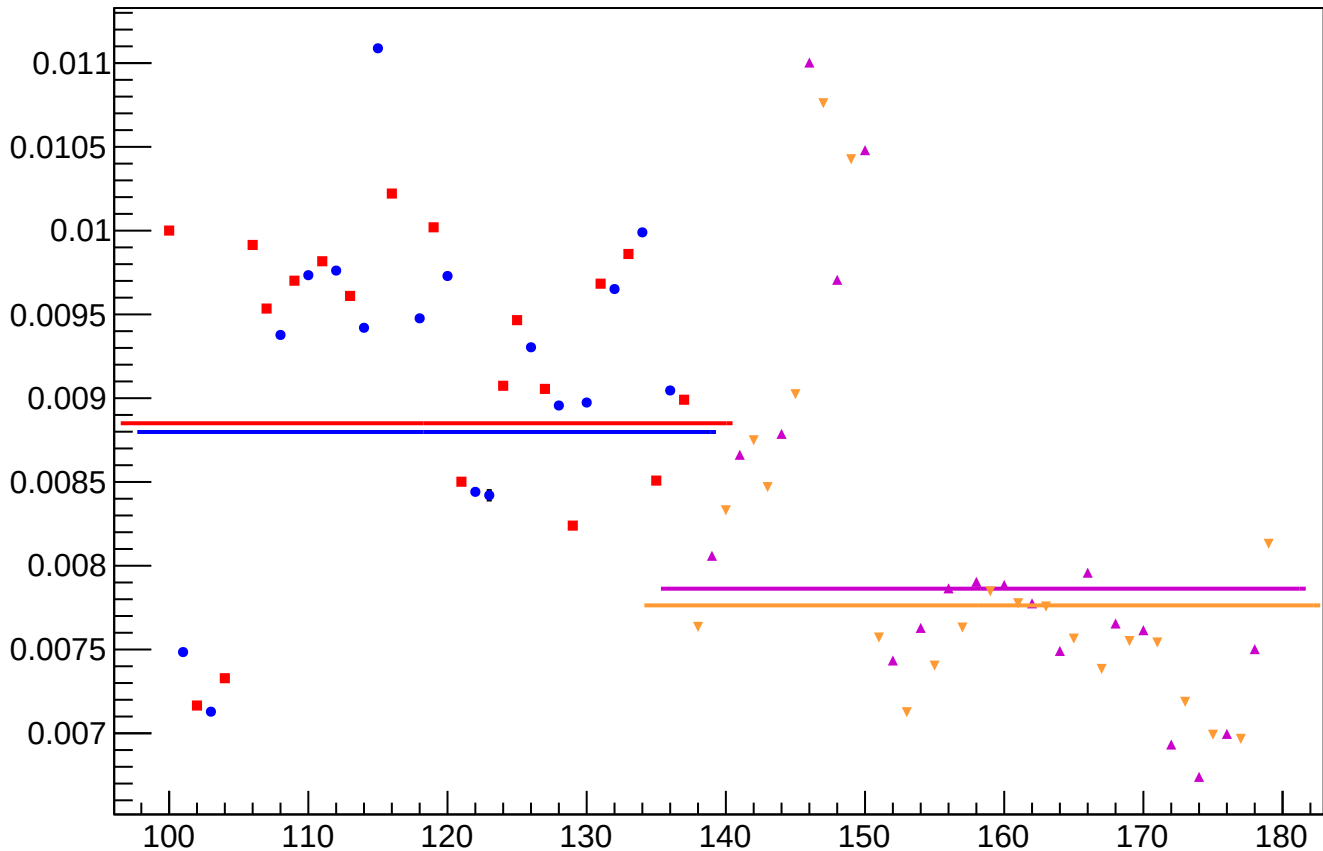
Left In: -1.189 ± 0.000 χ^2/NDF : 5481307663.5/19

+ sign -1.142 ± 0.000 χ^2/NDF : 11279065418.7/38

All: -1.158 ± 0.000 χ^2/NDF : 20793426721.1/77

- sign -1.174 ± 0.000 χ^2/NDF : 9341816350.9/38

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.008+/-0.000 χ^2/NDF : 312427.3/21

Right Out: 0.009+/-0.000 χ^2/NDF : 173958.0/18

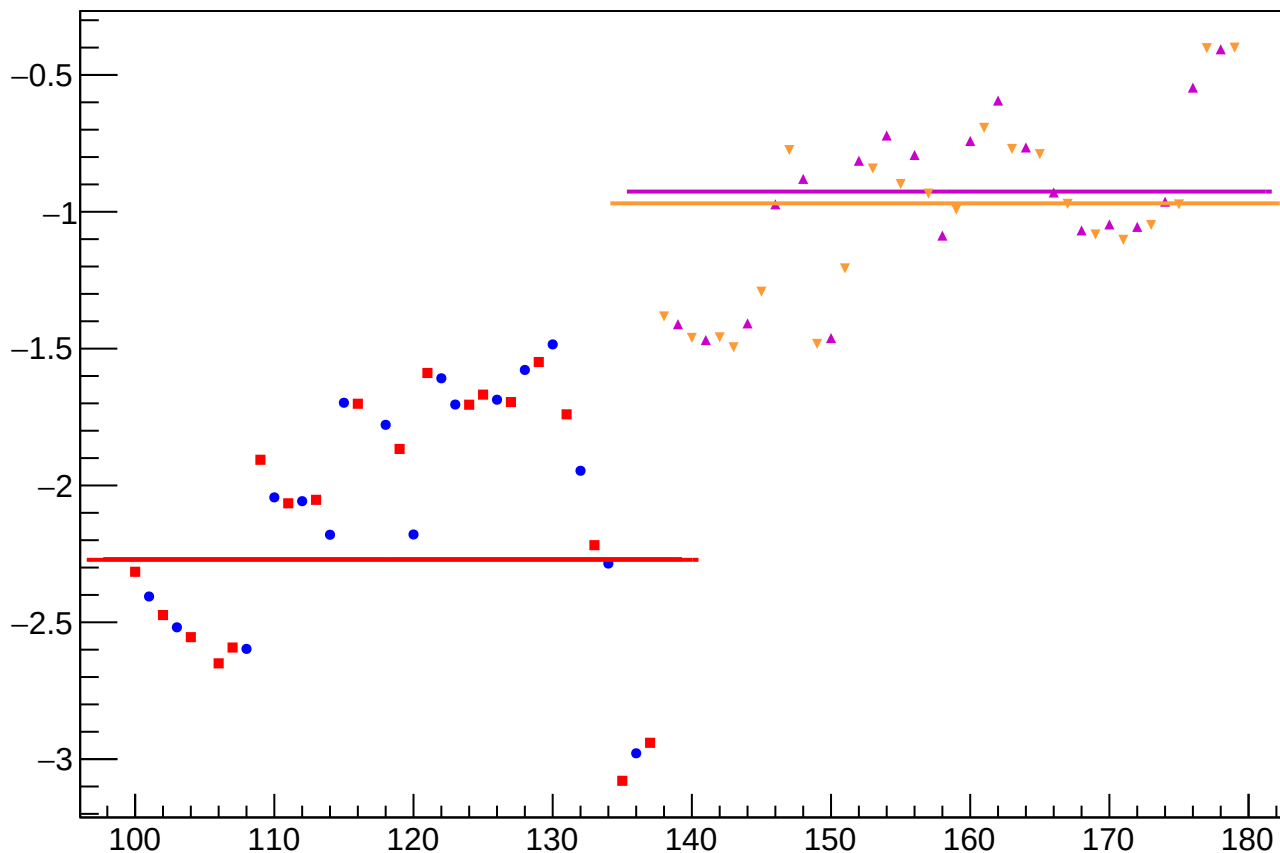
Left In: 0.008+/-0.000 χ^2/NDF : 376928.1/19

+ sign 0.008+/-0.000 χ^2/NDF : 597339.8/38

All: 0.008+/-0.000 χ^2/NDF : 1272964.4/77

- sign 0.008+/-0.000 χ^2/NDF : 671658.7/38

yield_bpm0i05X_mean vs Slug



Right In: -2.270 ± 0.000 χ^2/NDF : 17408567065.9/16

Left Out: -0.969 ± 0.000 χ^2/NDF : 35469016574.8/21

Right Out: -2.272 ± 0.000 χ^2/NDF : 19009331715.4/18

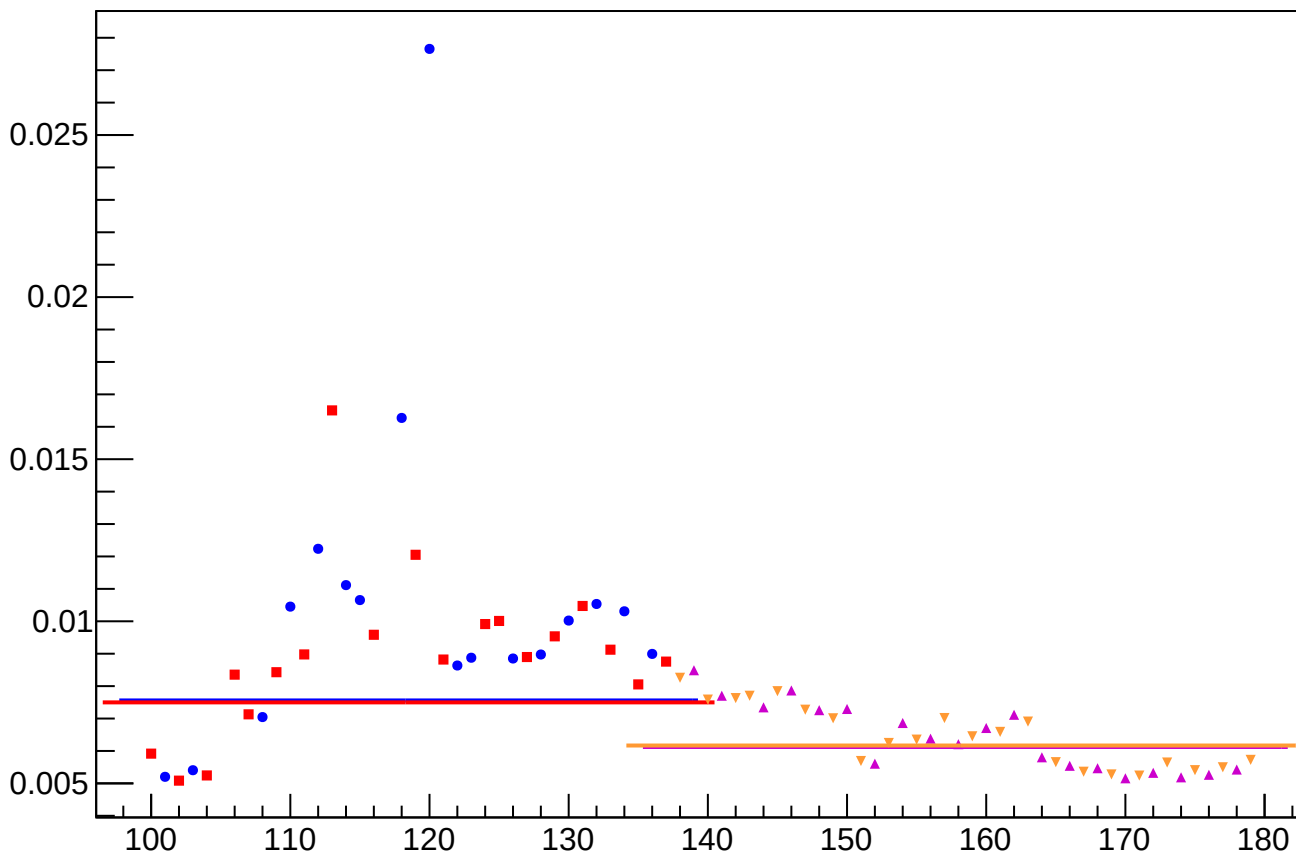
Left In: -0.926 ± 0.000 χ^2/NDF : 30389199677.9/19

+ sign -1.205 ± 0.000 χ^2/NDF : 174788625618.1/38

All: -1.206 ± 0.000 χ^2/NDF : 366840083040.7

- sign -1.207 ± 0.000 χ^2/NDF : 192051023839.0/38

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 : 596667.0/21

Right Out: 0.007+/-0.000 χ^2/NDF : 933998.1/18

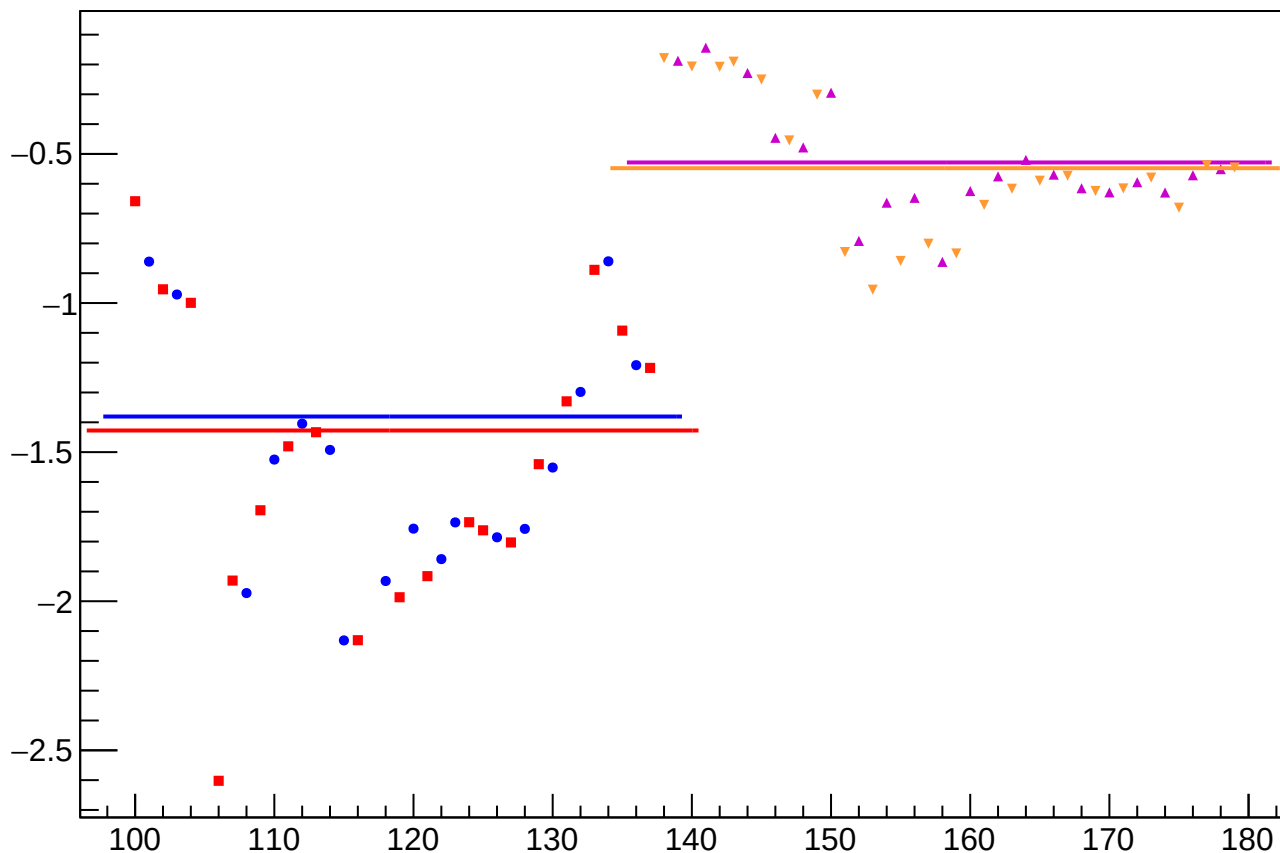
Left In: 0.006+/-0.000 χ^2/NDF : 666173.8/19

+ sign 0.006+/-0.000 χ^2/NDF : 2096318.4/38

All: 0.006+/-0.000 χ^2/NDF : 3994905.5/77

- sign 0.006+/-0.000 χ^2/NDF : 1898529.7/38

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 : 46180631367.9/21

Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

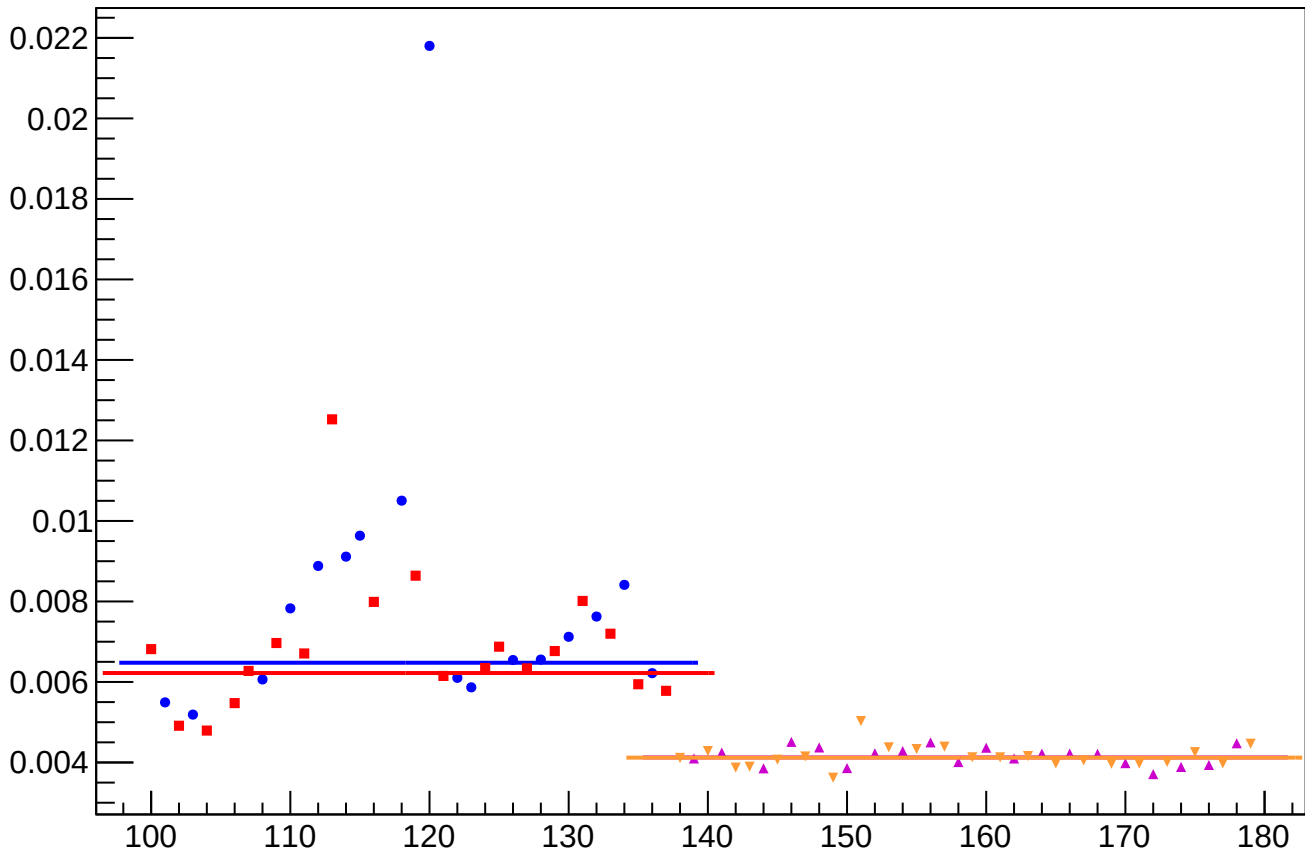
Left In: -0.529+/-0.000 χ^2/NDF : 30499290452.7/19

+ sign -0.653+/-0.000 χ^2/NDF : 144805705149.0/38

All: -0.660+/-0.000 χ^2/NDF : 308853969439.8

- sign -0.667+/-0.000 χ^2/NDF : 163955587254.6/38

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 :107894.9/21

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

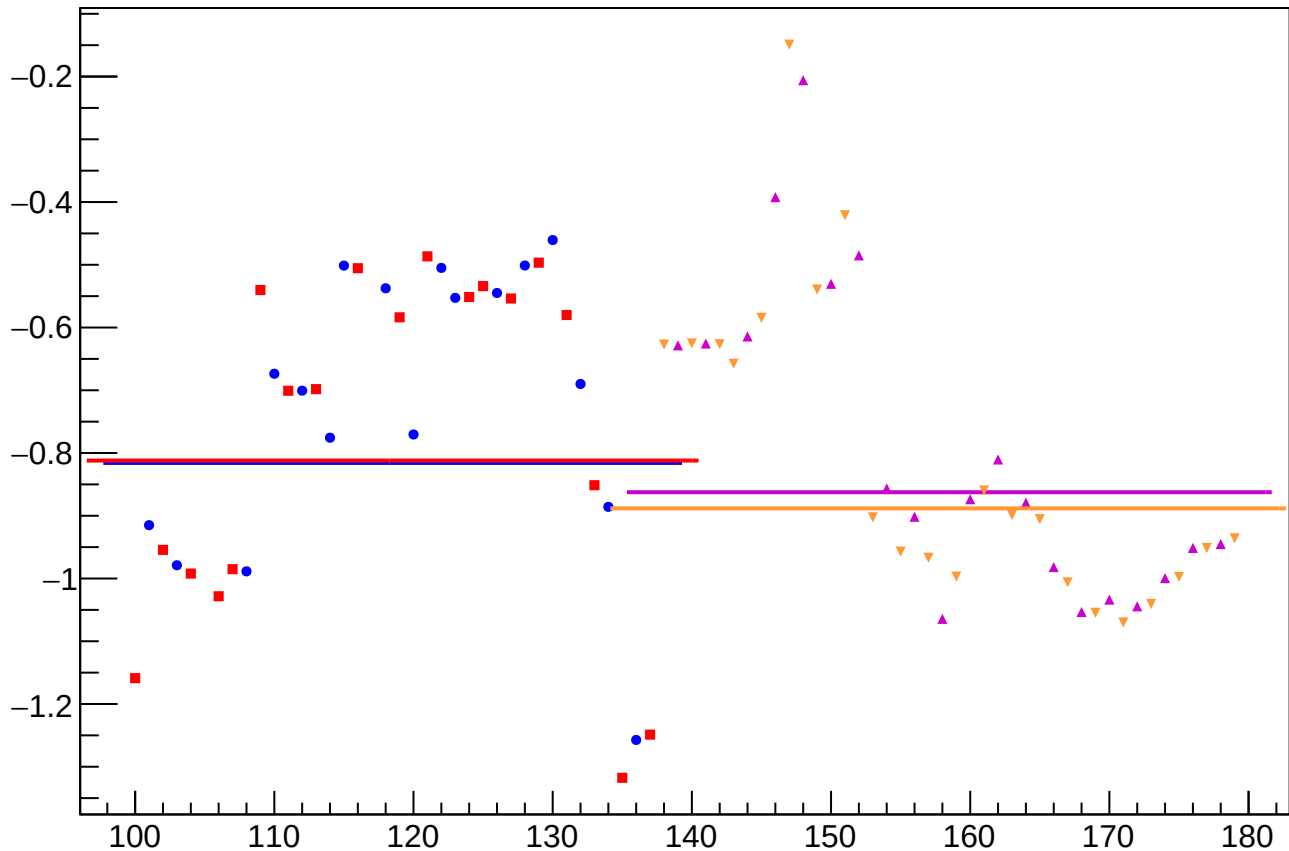
Left In: 0.004+/-0.000 χ^2/NDF :87294.1/19

+ sign 0.004+/-0.000 χ^2/NDF : 1940675.9/38

All: 0.004+/-0.000 χ^2/NDF : 3582784.6/77

- sign 0.004+/-0.000 χ^2/NDF : 1641288.3/38

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.888+/-0.000 χ^2/NDF : 40216701297.9/21

Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

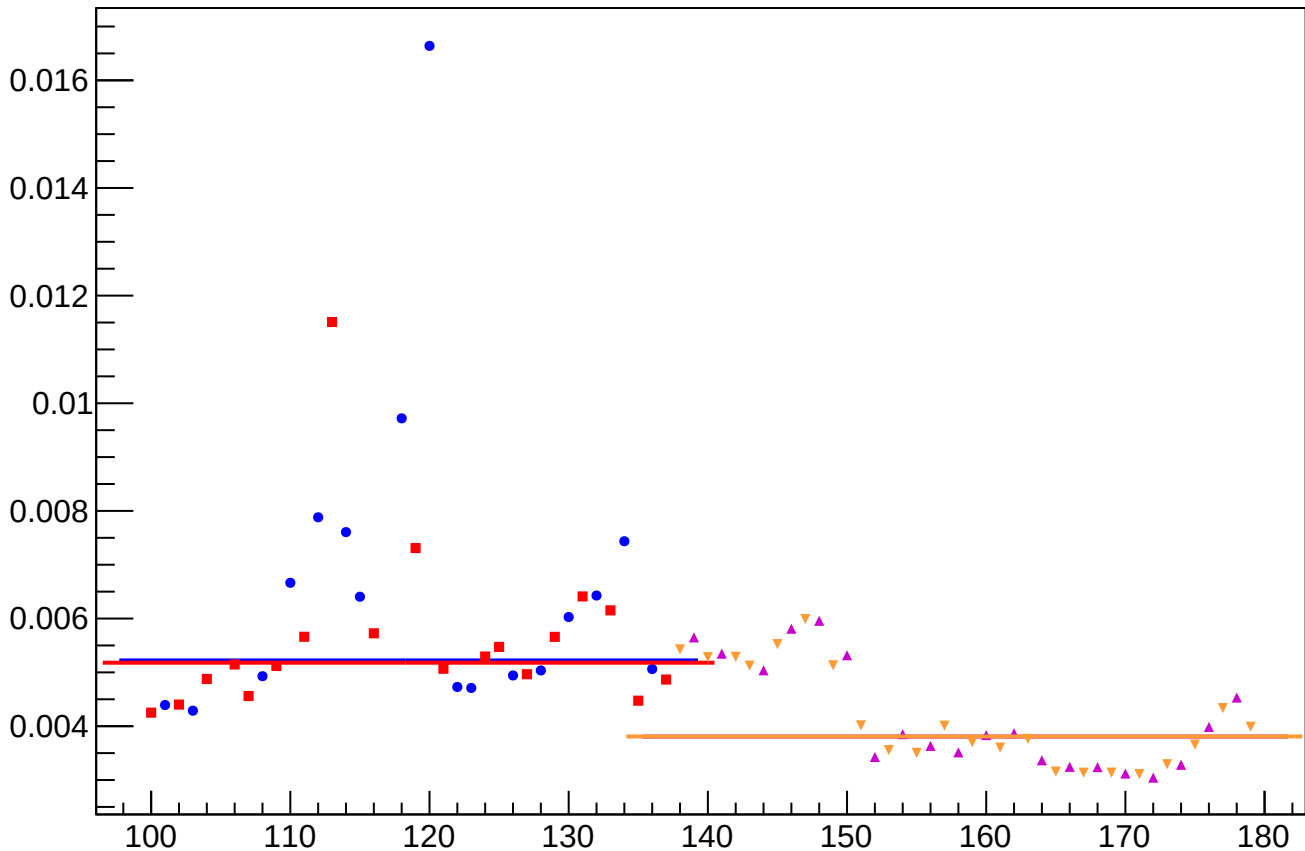
Left In: -0.862+/-0.000 χ^2/NDF : 43624603464.1/19

+ sign -0.877+/-0.000 χ^2/NDF : 55252008834.1/38

All: -0.865+/-0.000 χ^2/NDF : 116481994071.9

- sign -0.853+/-0.000 χ^2/NDF : 60898504588.5/38

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 664386.8/16

Left Out: 0.004+/-0.000 χ^2/NDF :1151882.1/21

Right Out: 0.005+/-0.000 χ^2/NDF : 363781.3/18

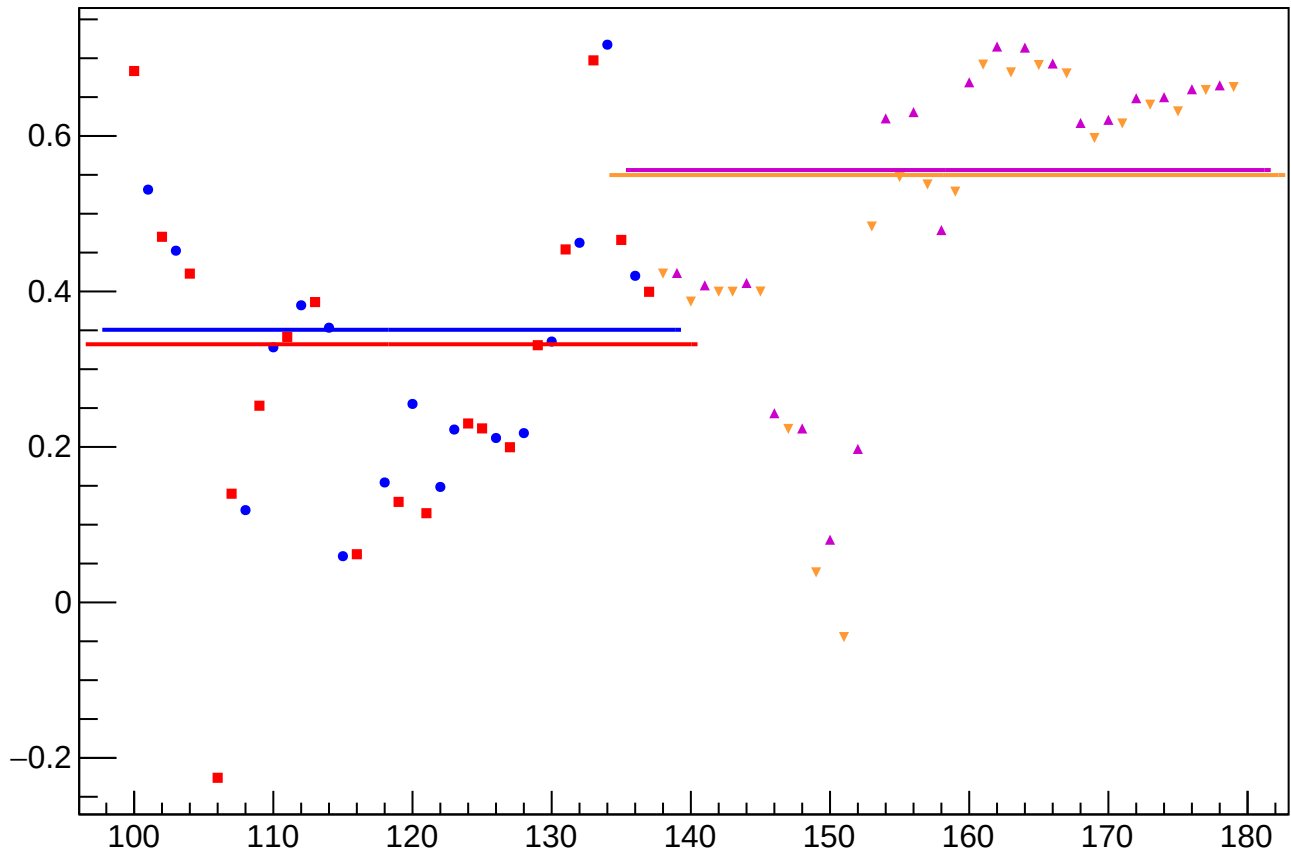
Left In: 0.004+/-0.000 χ^2/NDF :1227909.2/19

+ sign 0.004+/-0.000 χ^2/NDF : 2472363.5/38

All: 0.004+/-0.000 χ^2/NDF : 4742642.6/77

- sign 0.004+/-0.000 χ^2/NDF : 2269350.7/38

yield_bpm0i07Y_mean vs Slug



Right In: 0.351 $\pm$ 0.000 χ^2 /NDF: 7410859446.3/16

Left Out: 0.550 $\pm$ 0.000 χ^2 /NDF: 42766977328.4/21

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 11796213425.9/18

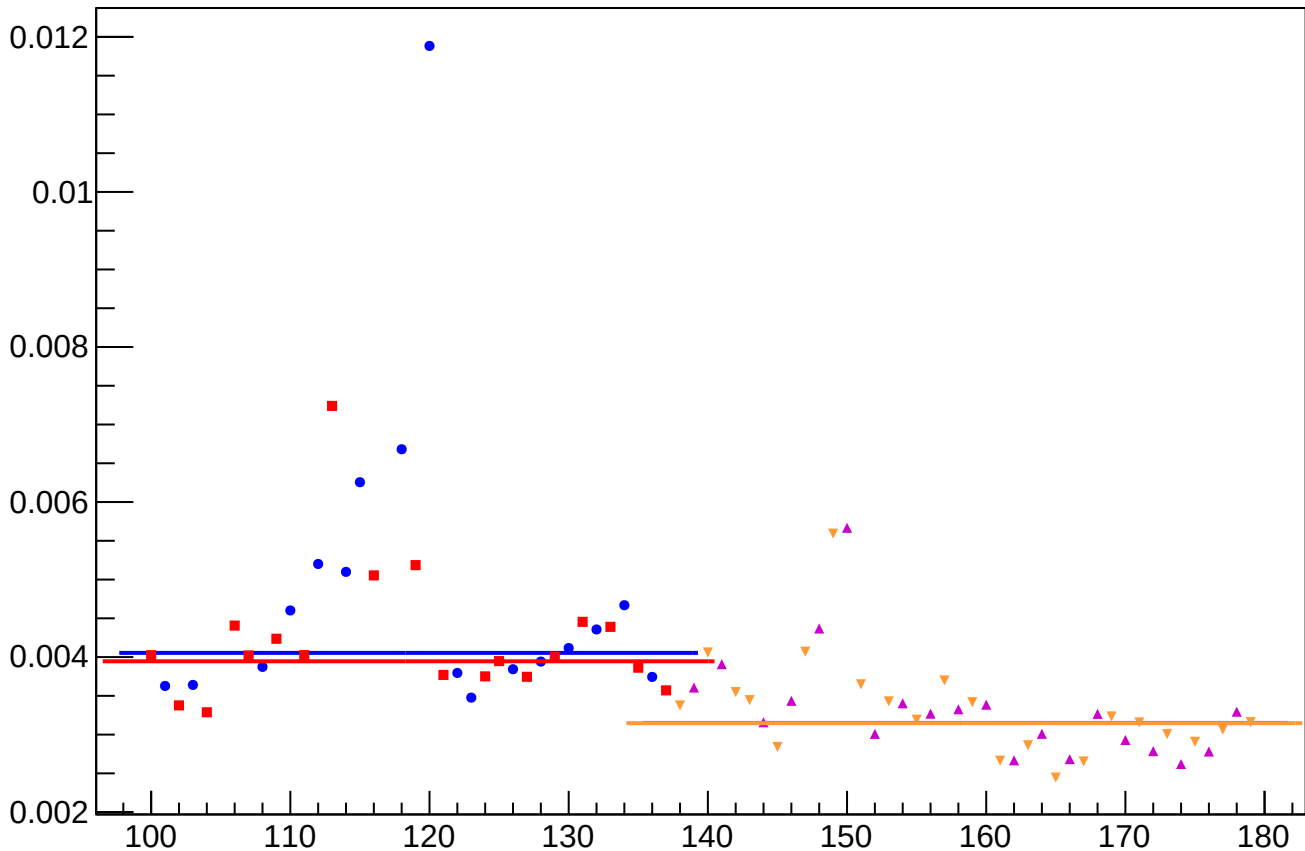
Left In: 0.556 $\pm$ 0.000 χ^2 /NDF: 39895645215.7/19

+ sign 0.512 $\pm$ 0.000 χ^2 /NDF: 61293367891.0/38

All: 0.509 $\pm$ 0.000 χ^2 /NDF: 128377078262.6

- sign 0.506 $\pm$ 0.000 χ^2 /NDF: 67058428974.7/38

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: 726474.5/21

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 260968.0/18

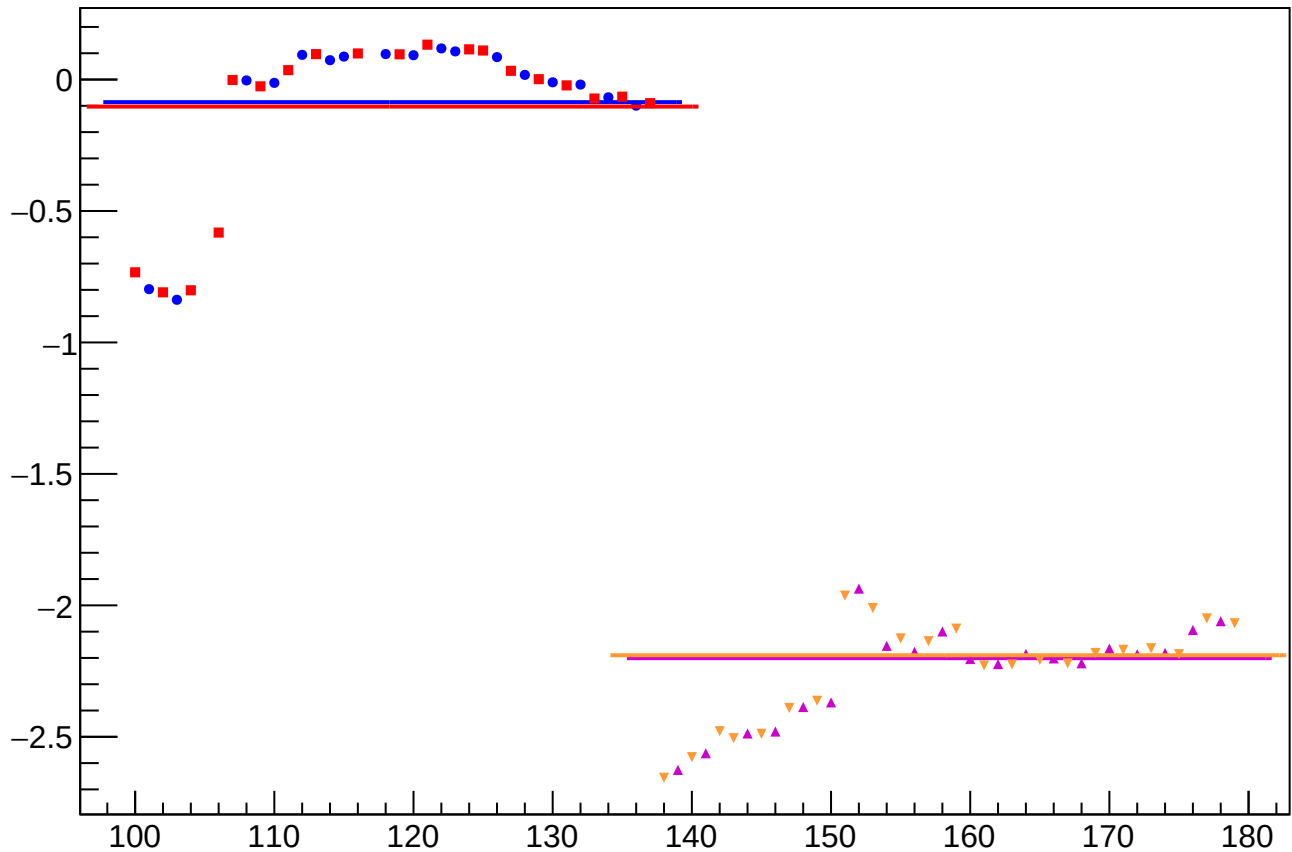
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 711679.9/19

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1643200.5/38

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3002620.1/77

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1359339.9/38

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.190+/-0.000 χ^2/NDF : 3839982650.7/21

Right Out: -0.103+/-0.000 χ^2/NDF : 5553039516.7/18

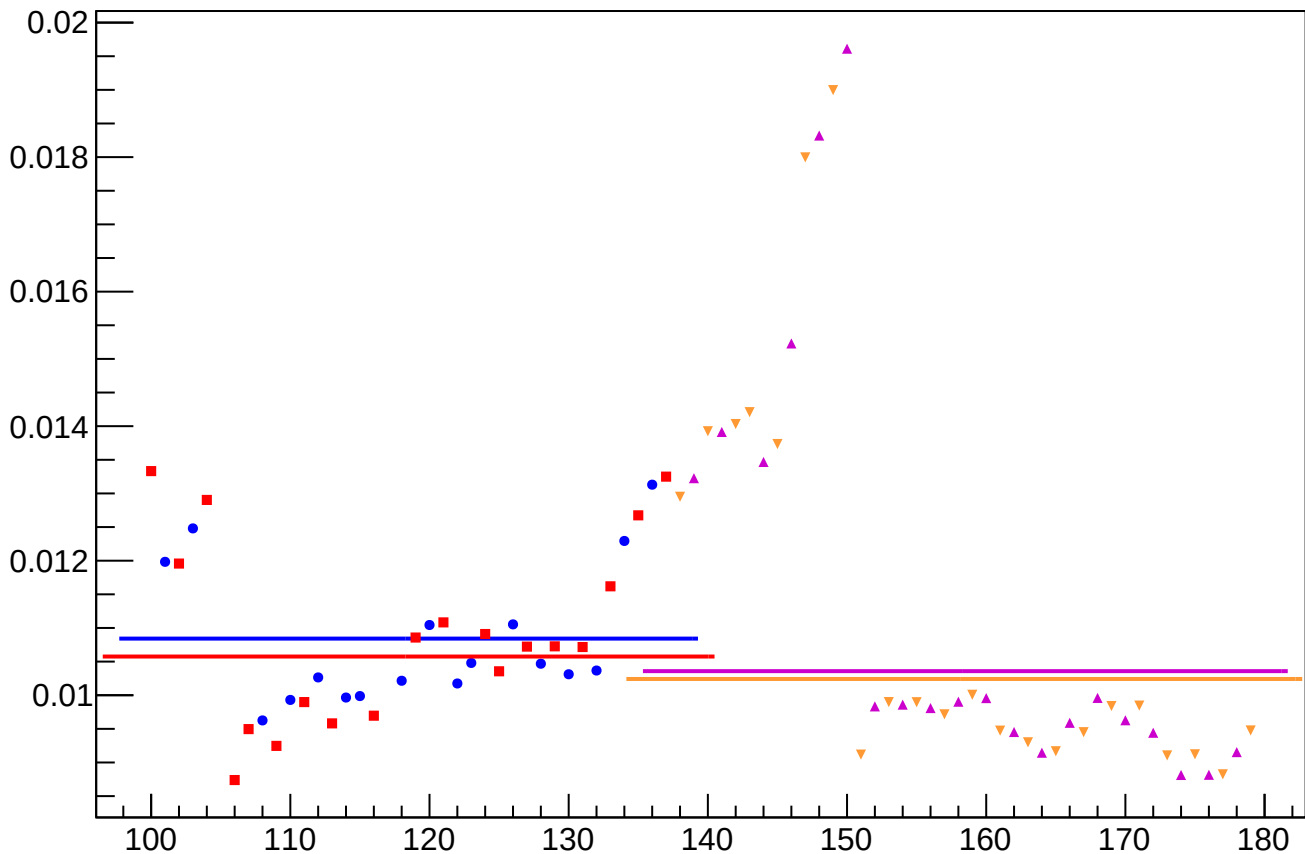
Left In: -2.201+/-0.000 χ^2/NDF : 3092518643.0/19

+ sign -1.617+/-0.000 χ^2/NDF : 190749715608.5/38

All: -1.580+/-0.000 χ^2/NDF : 389271486224.1

- sign -1.542+/-0.000 χ^2/NDF : 197939449589.5/38

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 :1254578.7/21

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

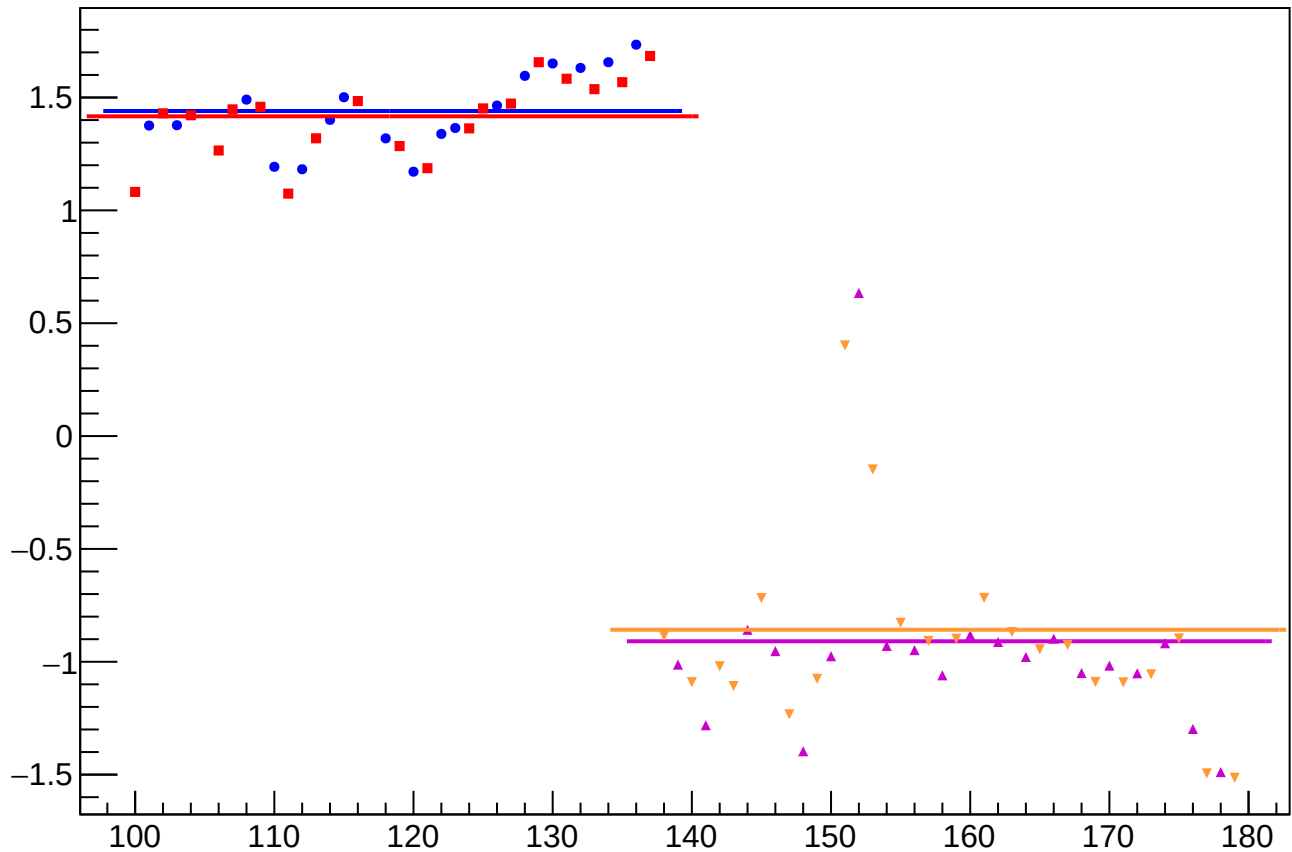
Left In: 0.010+/-0.000 χ^2/NDF :1320208.1/19

+ sign 0.010+/-0.000 χ^2/NDF : 1408466.0/38

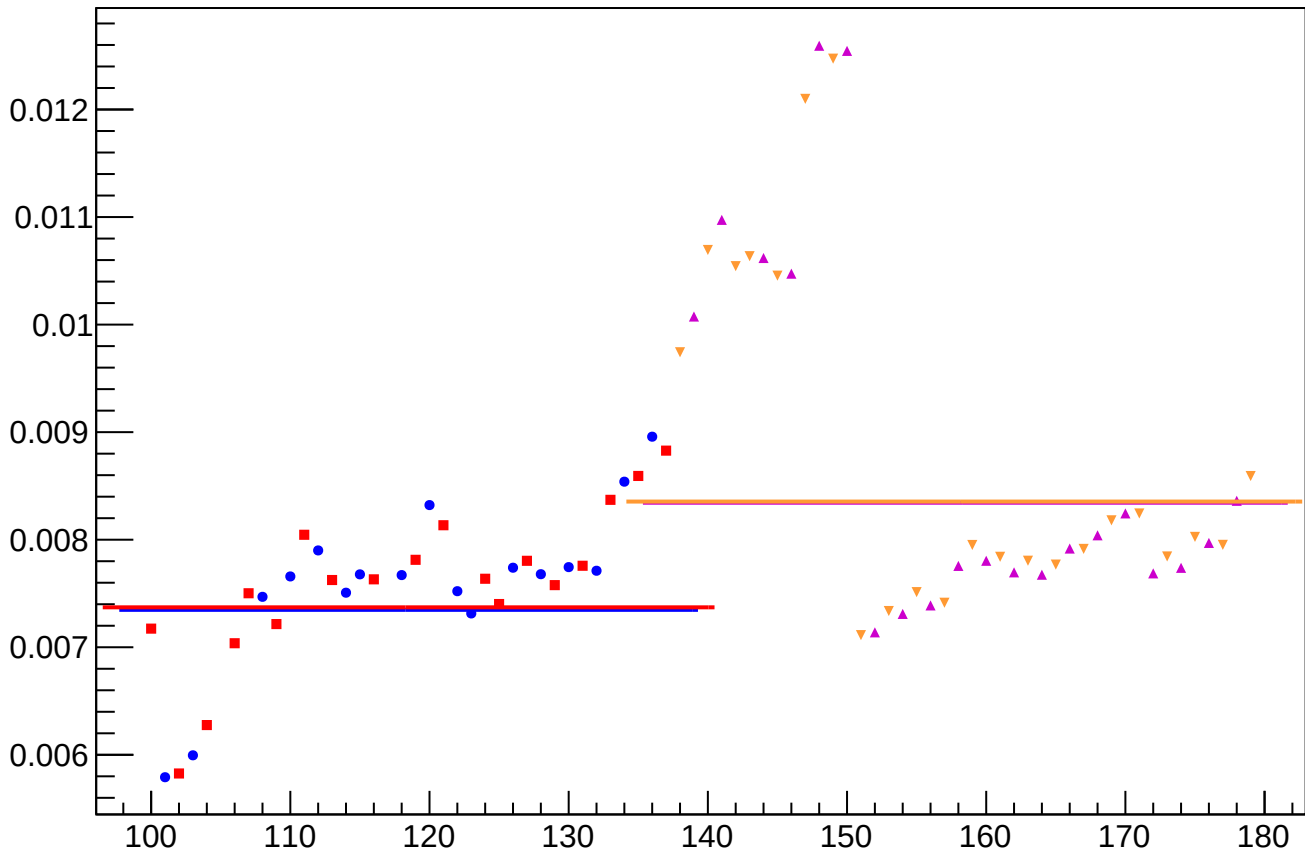
All: 0.010+/-0.000 χ^2/NDF : 2911792.5/77

- sign 0.010+/-0.000 χ^2/NDF : 1503233.4/38

yield_bpm1i02Y_mean vs Slug



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 : 757300.5/21

Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

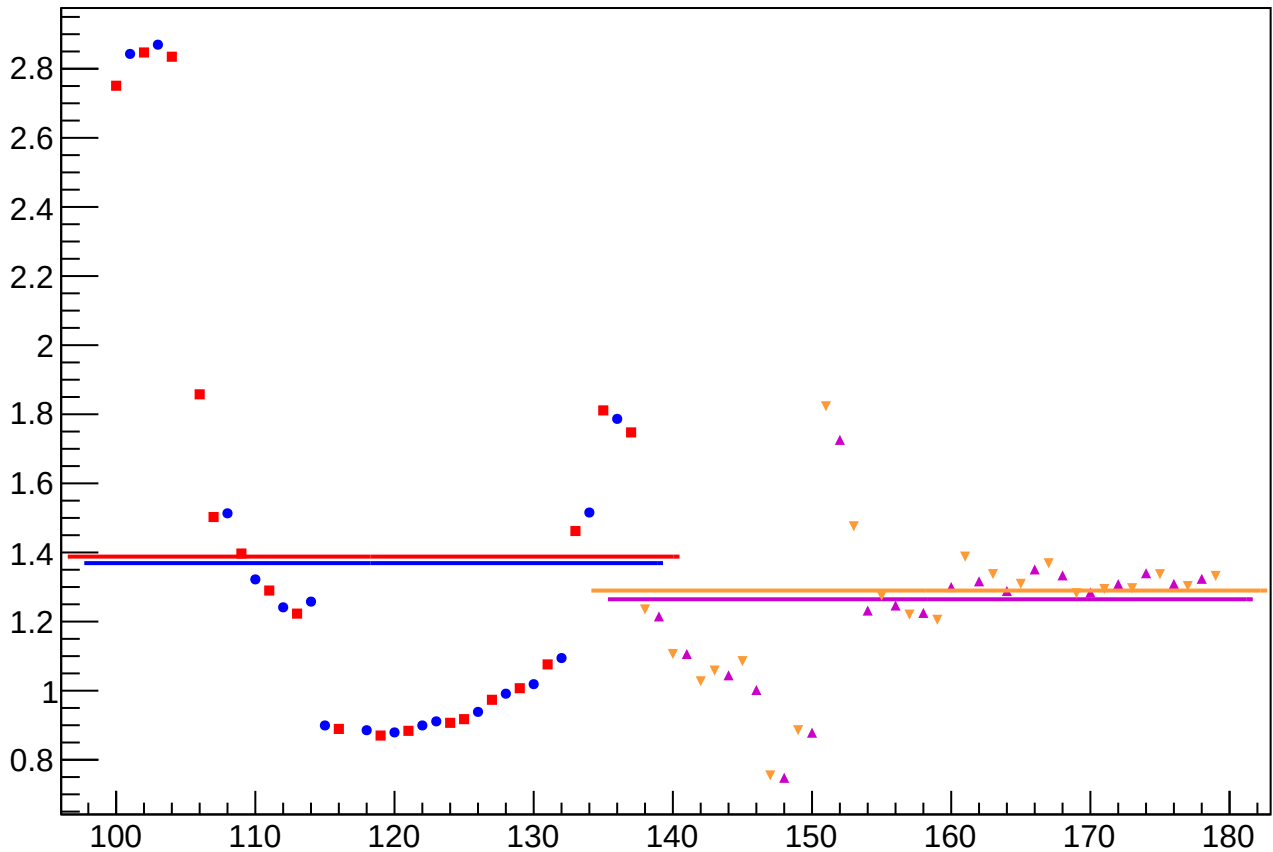
Left In: 0.008+/-0.000 χ^2/NDF : 829966.4/19

+ sign 0.008+/-0.000 χ^2/NDF : 1147271.8/38

All: 0.008+/-0.000 χ^2/NDF : 2302743.8/77

- sign 0.008+/-0.000 χ^2/NDF : 1155204.2/38

yield_bpm1i04X_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.290+/-0.000 χ^2/NDF : 9177233660.2/21

+ sign 1.320+/-0.000 χ^2/NDF : 63952483486.5/38

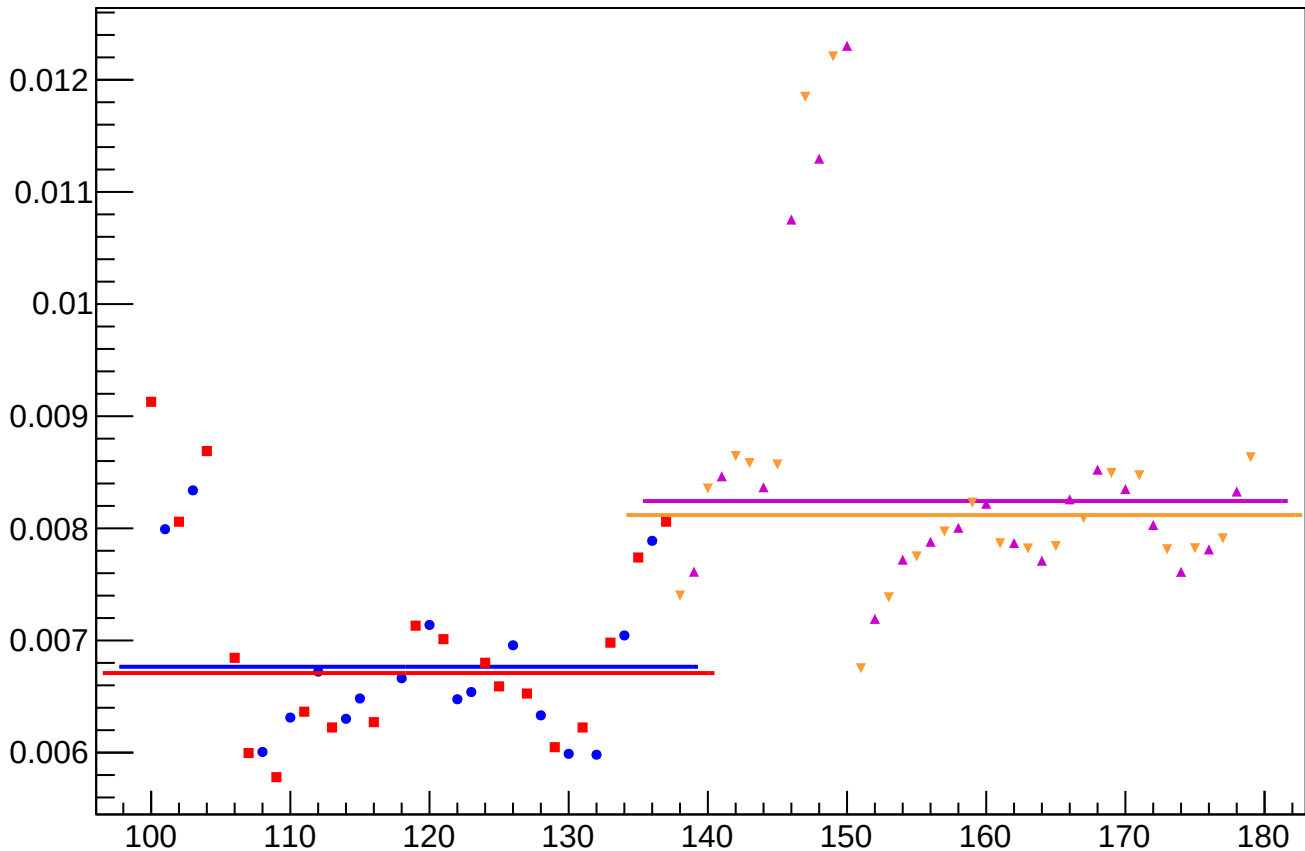
Right Out: 1.388+/-0.000 χ^2/NDF : 49900245868.0/18

All: 1.318+/-0.000 χ^2/NDF : 122686583656.2

- sign 1.316+/-0.000 χ^2/NDF : 58731529097.0/38

Left In: 1.265+/-0.000 χ^2/NDF : 7444352750.9/19

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 : 428261.7/21

Right Out: 0.007+/-0.000 χ^2/NDF : 187826.7/18

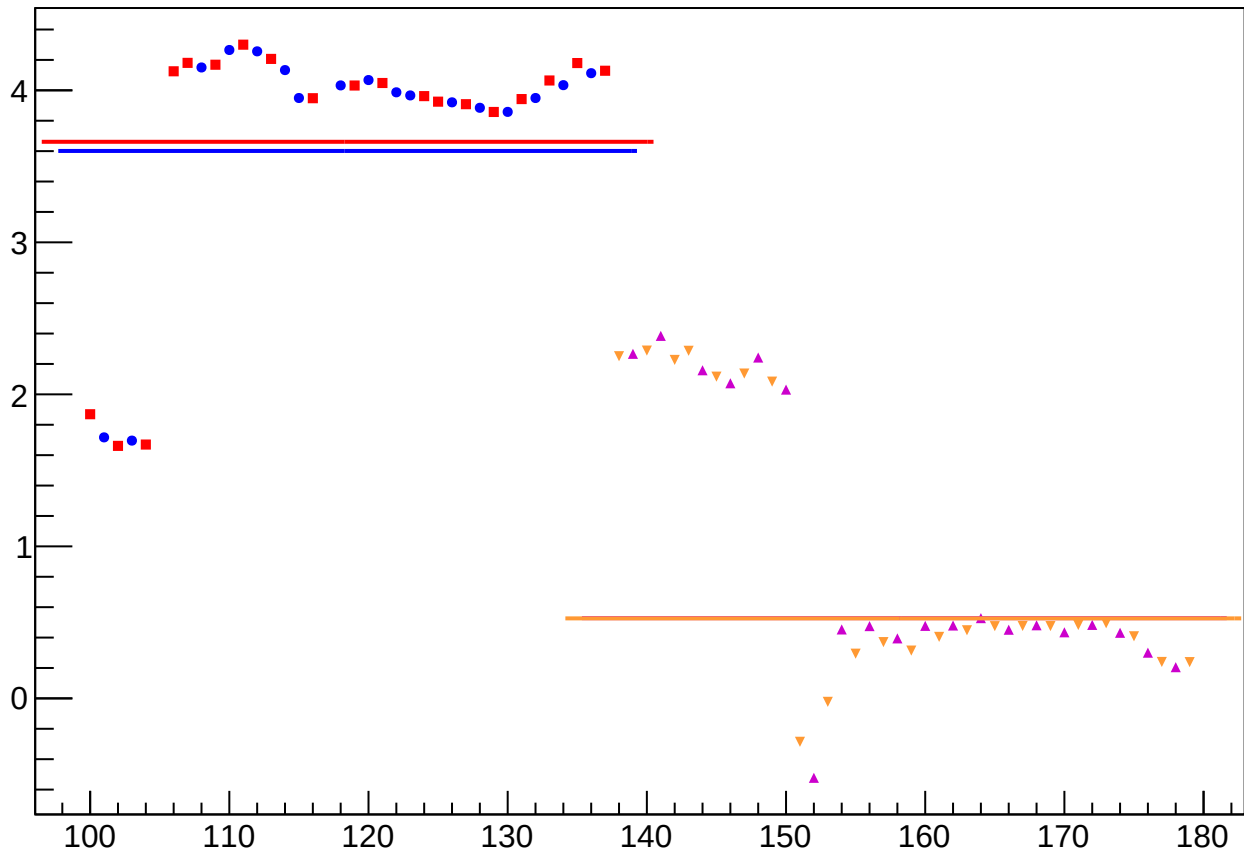
Left In: 0.008+/-0.000 χ^2/NDF : 447023.4/19

+ sign 0.008+/-0.000 χ^2/NDF : 918838.2/38

All: 0.008+/-0.000 χ^2/NDF : 1981590.7/77

- sign 0.008+/-0.000 χ^2/NDF : 1062738.3/38

yield_bpm1i04Y_mean vs Slug



Right In: 3.601 $\pm$ 0.000 χ^2 /NDF: 185806937655.3/16

Left Out: 0.526 $\pm$ 0.000 χ^2 /NDF: 265347699581.7/21

Right Out: 3.661 $\pm$ 0.000 χ^2 /NDF: 192519897222.5/18

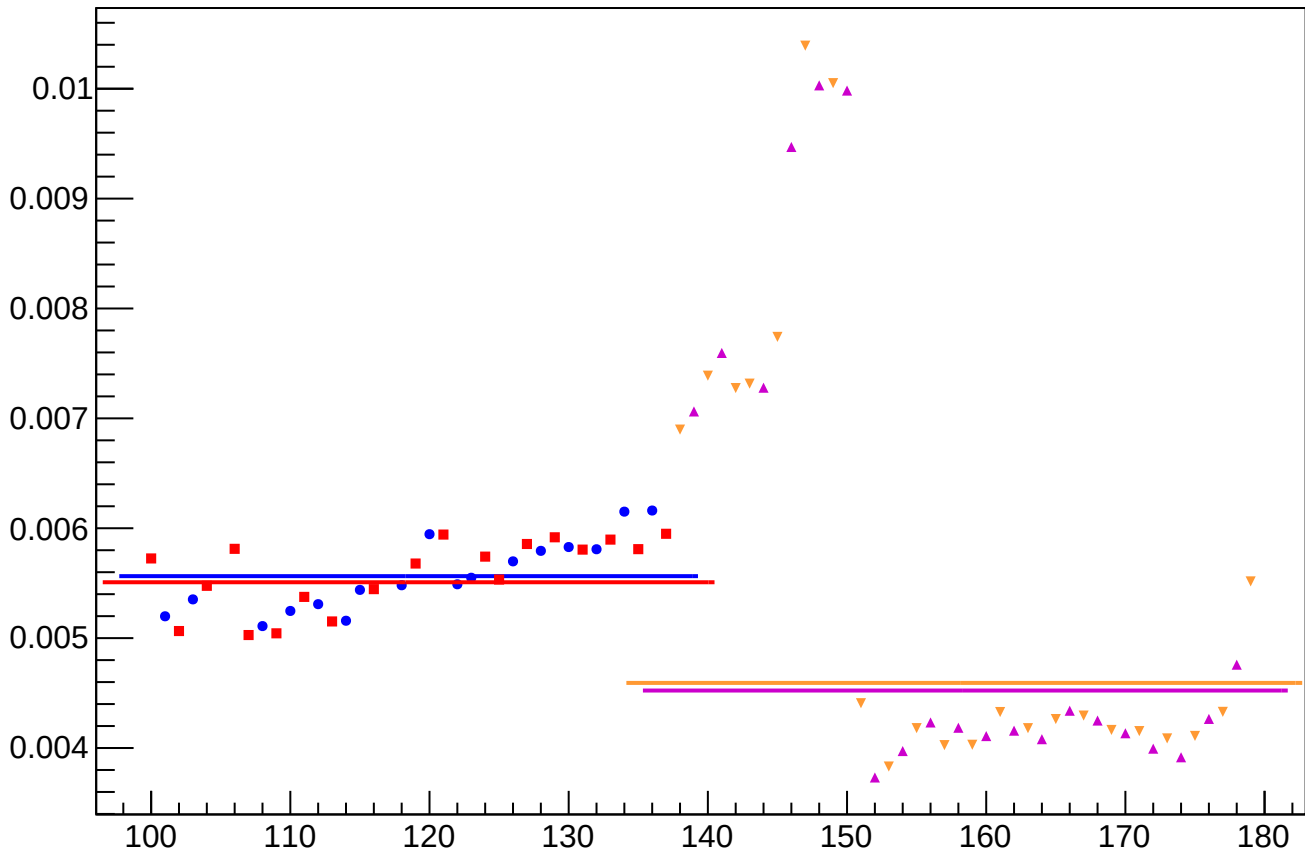
Left In: 0.528 $\pm$ 0.000 χ^2 /NDF: 262049015877.1/19

+ sign 1.246 $\pm$ 0.000 χ^2 /NDF: 2014694148949.8/38

All: 1.284 $\pm$ 0.000 χ^2 /NDF: 4152780865186.

- sign 1.322 $\pm$ 0.000 χ^2 /NDF: 2135497416143.0/38

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 :2065116.1/21

Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

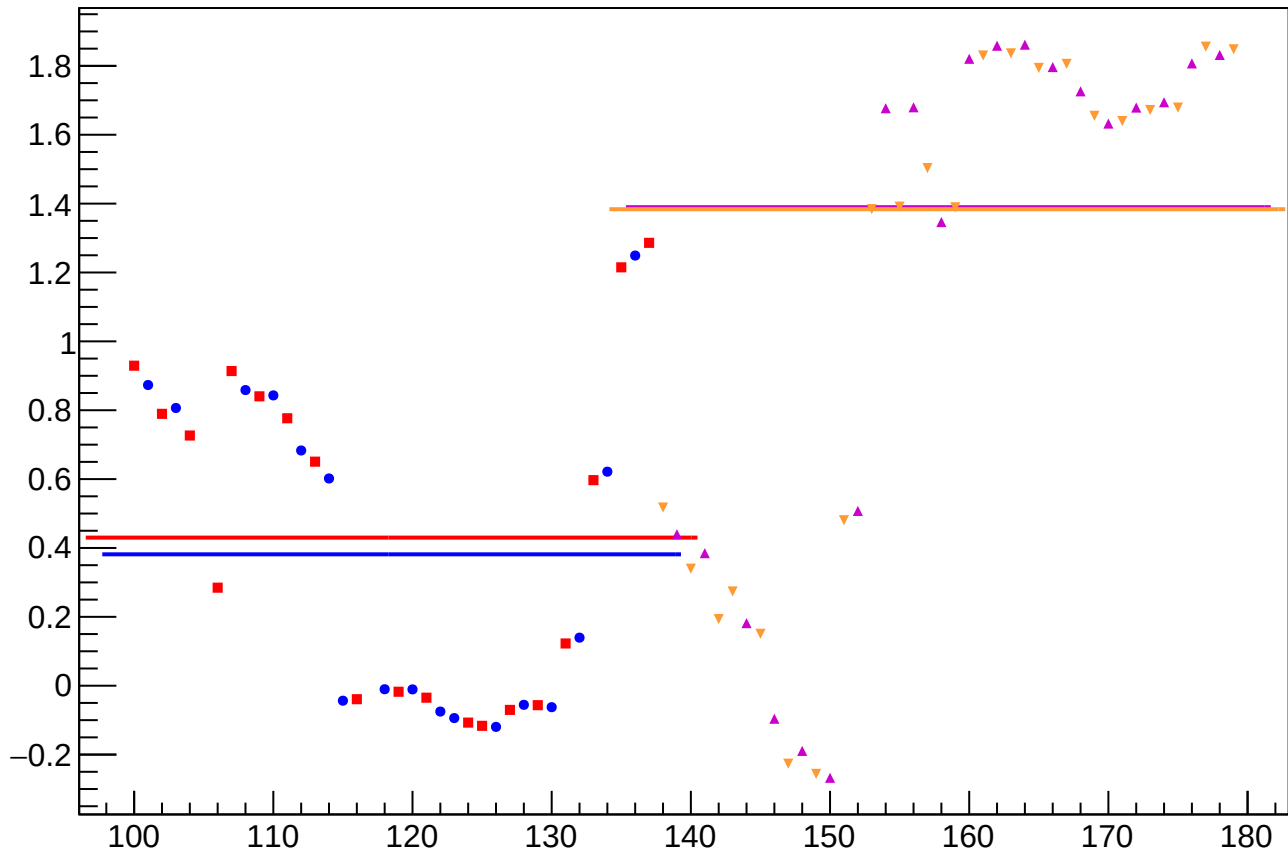
Left In: 0.005+/-0.000 χ^2/NDF :2225728.0/19

+ sign 0.005+/-0.000 χ^2/NDF : 2424912.1/38

All: 0.005+/-0.000 χ^2/NDF : 5037741.3/77

- sign 0.005+/-0.000 χ^2/NDF : 2610788.0/38

yield_bpm1i06X_mean vs Slug



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 7124759123.1/16

Left Out: 1.384 $\pm$ 0.000 χ^2 /NDF: 46407148844.8/21

Right Out: 0.430 $\pm$ 0.000 χ^2 /NDF: 6676199135.9/18

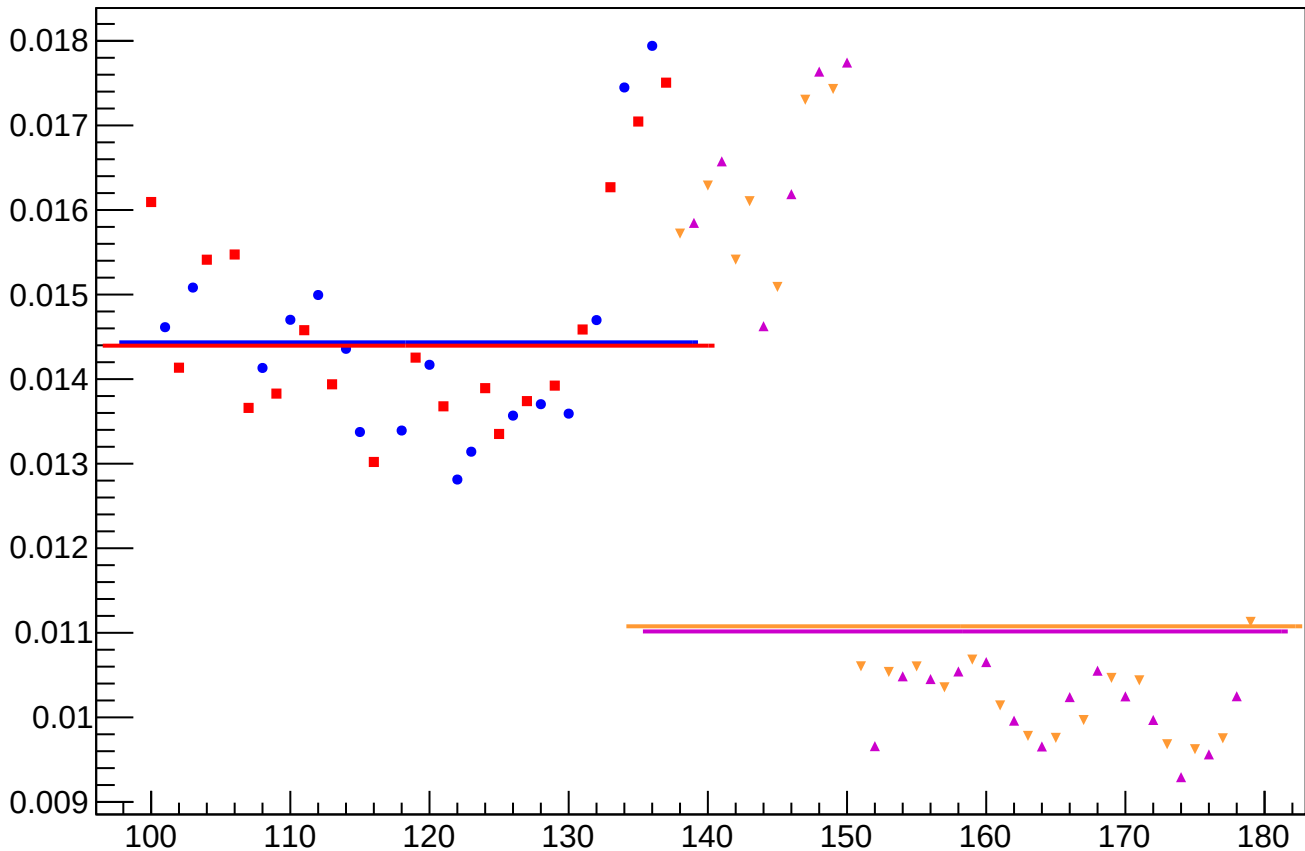
Left In: 1.390 $\pm$ 0.000 χ^2 /NDF: 50557236849.5/19

+ sign 1.185 $\pm$ 0.000 χ^2 /NDF: 79128692822.9/38

All: 1.183 $\pm$ 0.000 χ^2 /NDF: 160519744209.1

- sign 1.181 $\pm$ 0.000 χ^2 /NDF: 81389991109.3/38

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.011+/-0.000 χ^2/NDF :1206362.0/21

Right Out: 0.014+/-0.000 χ^2/NDF : 74531.6/18

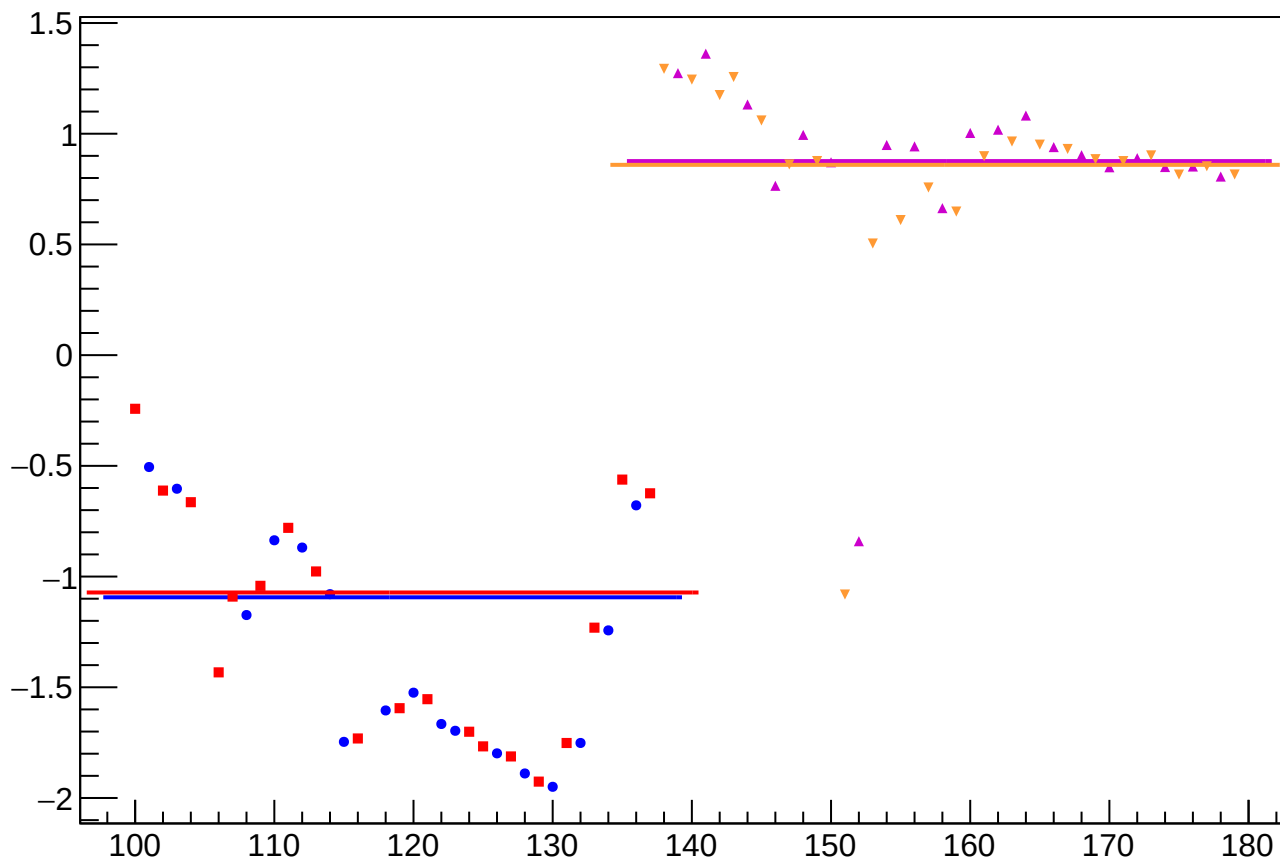
Left In: 0.011+/-0.000 χ^2/NDF :1261658.0/19

+ sign 0.012+/-0.000 χ^2/NDF : 1891278.8/38

All: 0.012+/-0.000 χ^2/NDF : 3826645.5/77

- sign 0.012+/-0.000 χ^2/NDF : 1935358.9/38

yield_bpm1i06Y_mean vs Slug



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.859+/-0.000 χ^2/NDF : 125129128925.8/21

Right Out: -1.072+/-0.000 χ^2/NDF : 46896017480.0/18

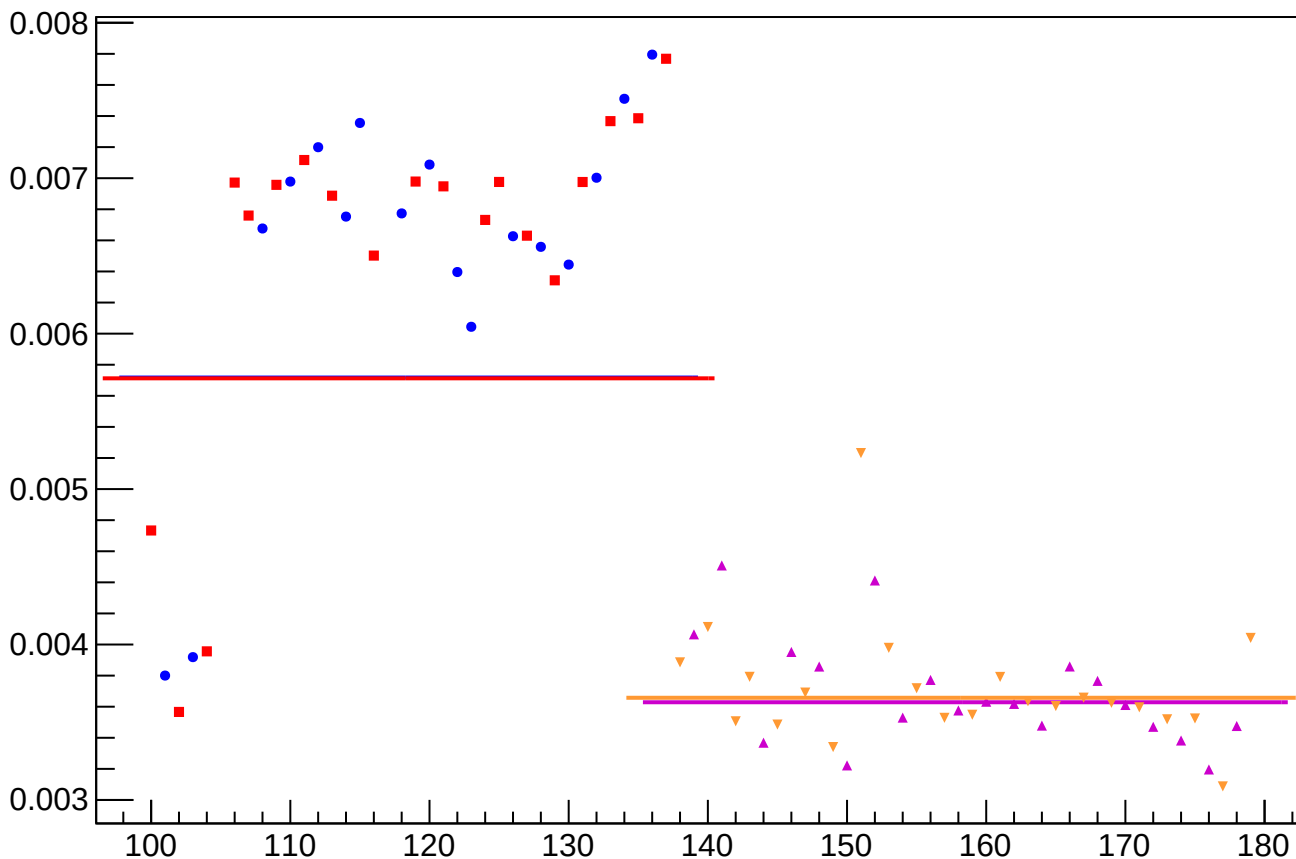
Left In: 0.876+/-0.000 χ^2/NDF : 146241932256.5/19

+ sign 0.587+/-0.000 χ^2/NDF : 777454880999.9/38

All: 0.585+/-0.000 χ^2/NDF : 1579079852240.

- sign 0.582+/-0.000 χ^2/NDF : 801606164687.4/38

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:235213.1/21

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 923899.1/18

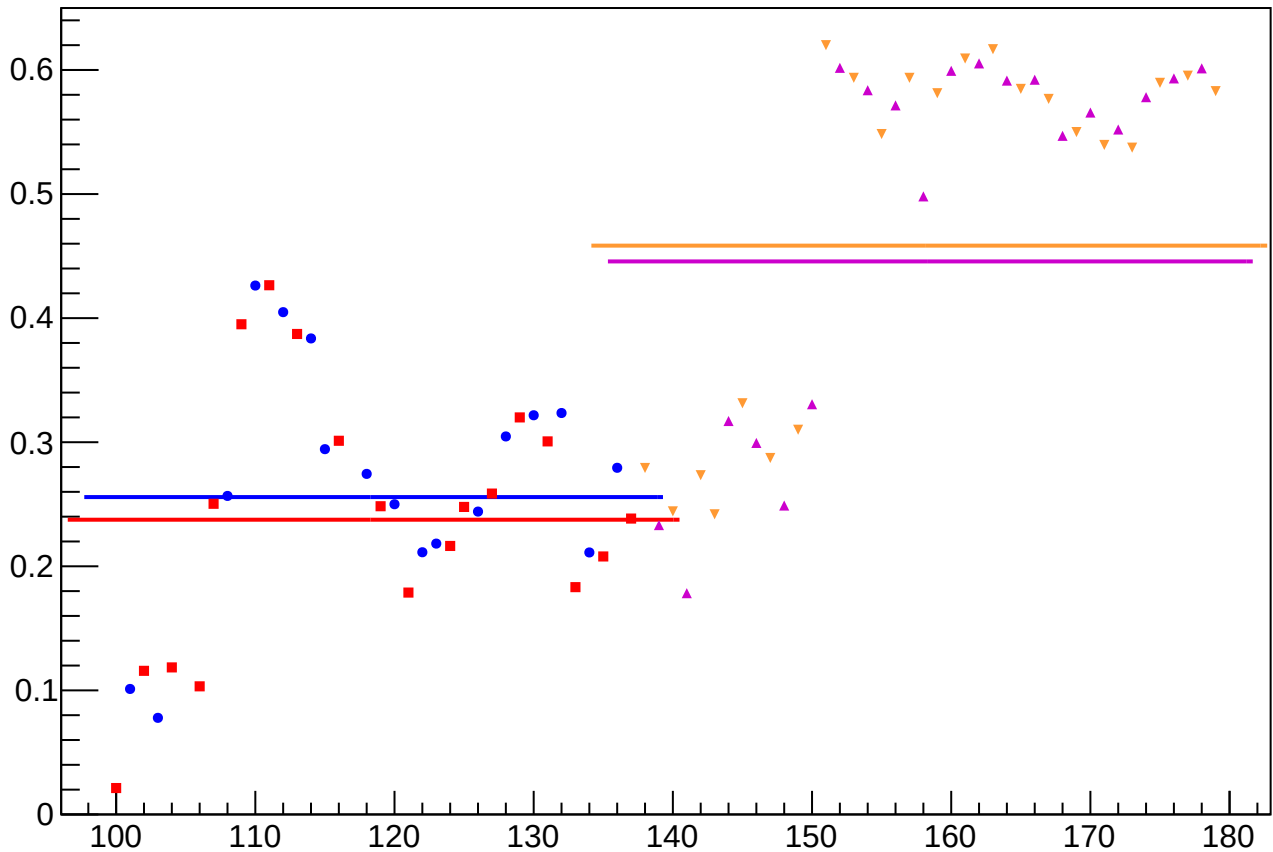
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:219136.1/19

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2399881.6/38

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4935131.2/77

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2535248.7/38

yield_bpm2i01X_mean vs Slug



Right In: 0.256 $\pm$ 0.000 χ^2 /NDF: 21365489849.4/16

Left Out: 0.458 $\pm$ 0.000 χ^2 /NDF: 96665328606.7/21

Right Out: 0.238 $\pm$ 0.000 χ^2 /NDF: 26057284646.9/18

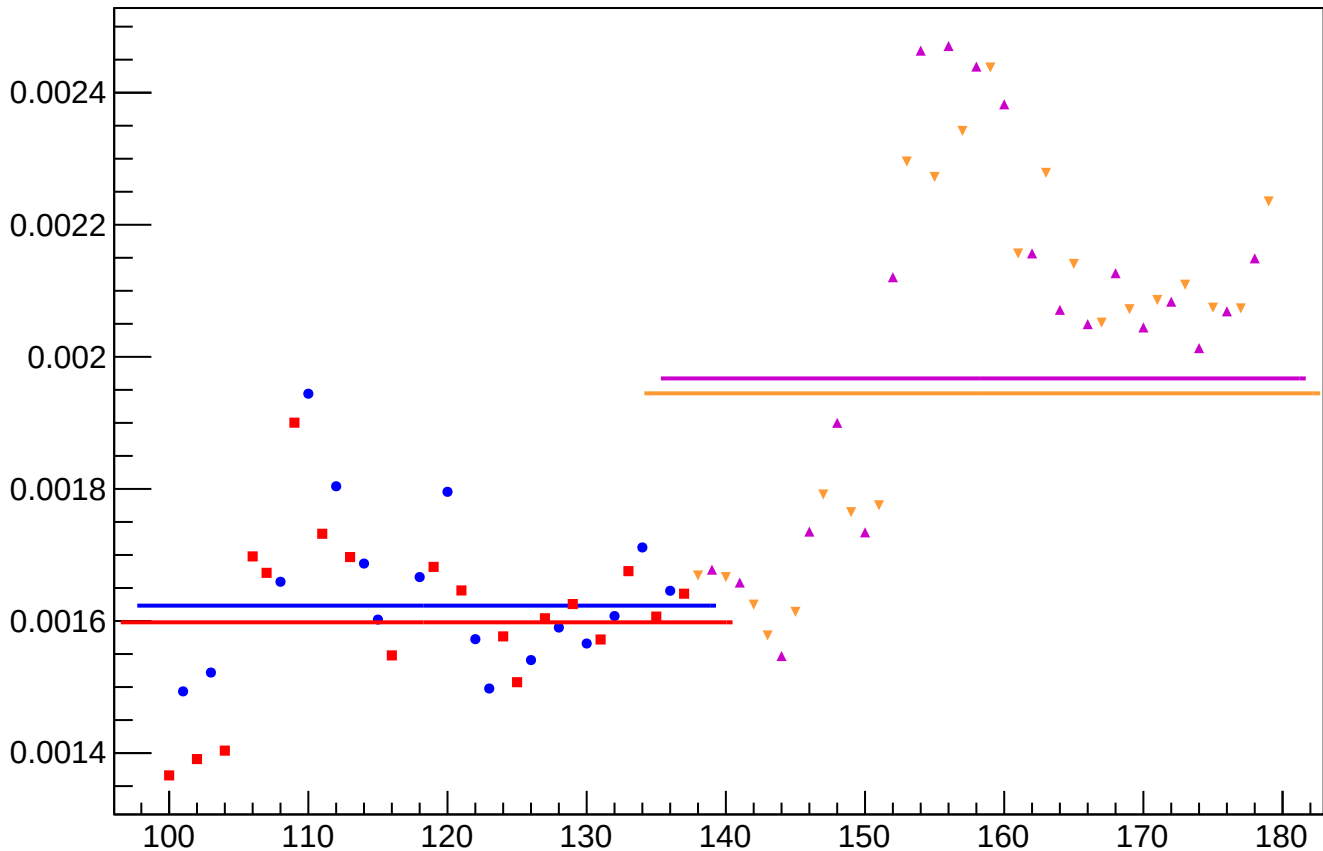
Left In: 0.446 $\pm$ 0.000 χ^2 /NDF: 95742806312.3/19

+ sign 0.385 $\pm$ 0.000 χ^2 /NDF: 181852424755.1/38

All: 0.372 $\pm$ 0.000 χ^2 /NDF: 374865860841.8

- sign 0.359 $\pm$ 0.000 χ^2 /NDF: 190921580073.7/38

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 : 596444.1/21

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

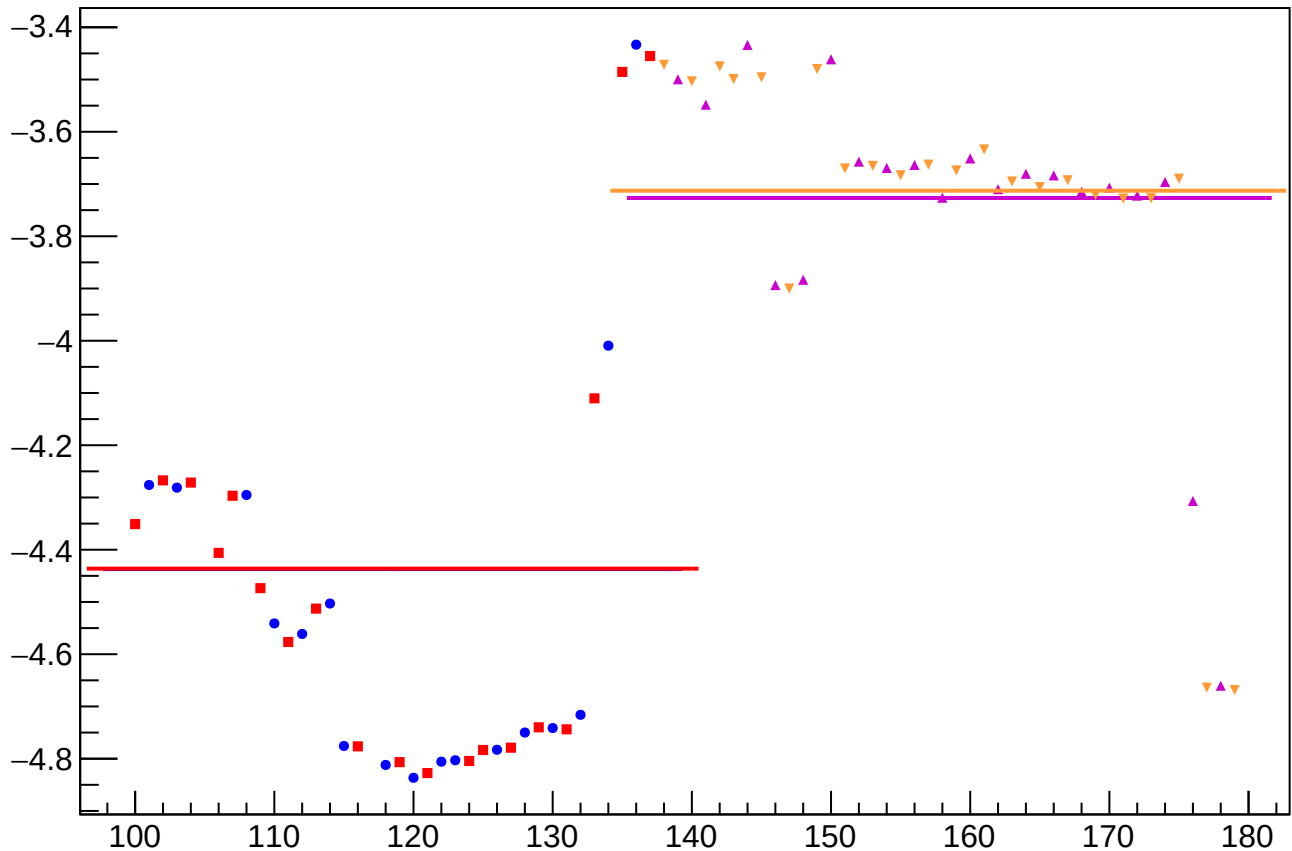
Left In: 0.002+/-0.000 χ^2/NDF : 580780.5/19

+ sign 0.002+/-0.000 χ^2/NDF : 970137.9/38

All: 0.002+/-0.000 χ^2/NDF : 2077903.5/77

- sign 0.002+/-0.000 χ^2/NDF : 1106601.7/38

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2 /NDF: 392812415429.0/16

Left Out: -3.713+/-0.000 χ^2 /NDF: 320381632358.0/21

Right Out: -4.436+/-0.000 χ^2 /NDF: 325183860699.4/18

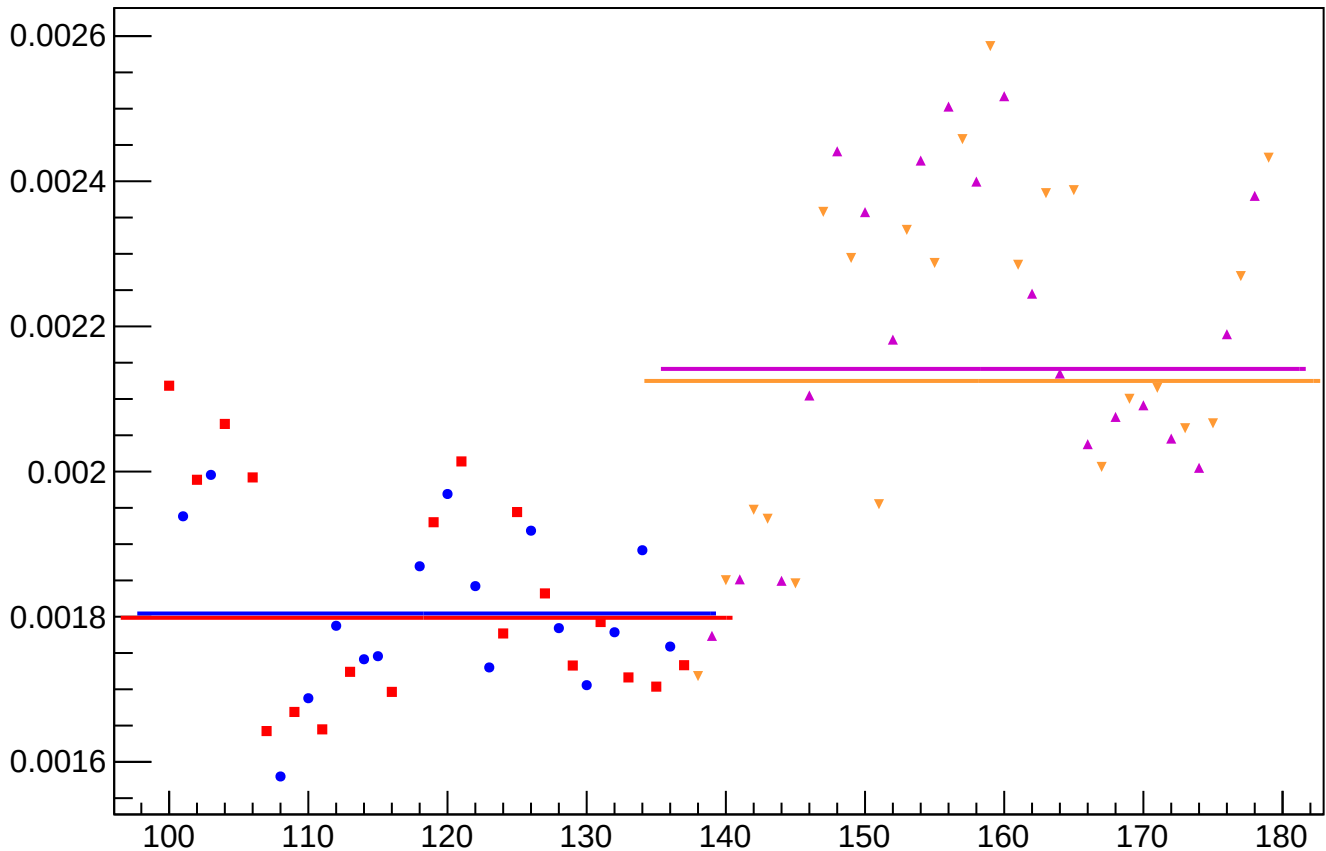
Left In: -3.727+/-0.000 χ^2 /NDF: 232336442309.5/19

+ sign -3.973+/-0.000 χ^2 /NDF: 1384459011816.1/3

All: -3.989+/-0.000 χ^2 /NDF: 2593558290044

- sign -4.006+/-0.000 χ^2 /NDF: 1206189716801.7/3

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 : 377992.6/21

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

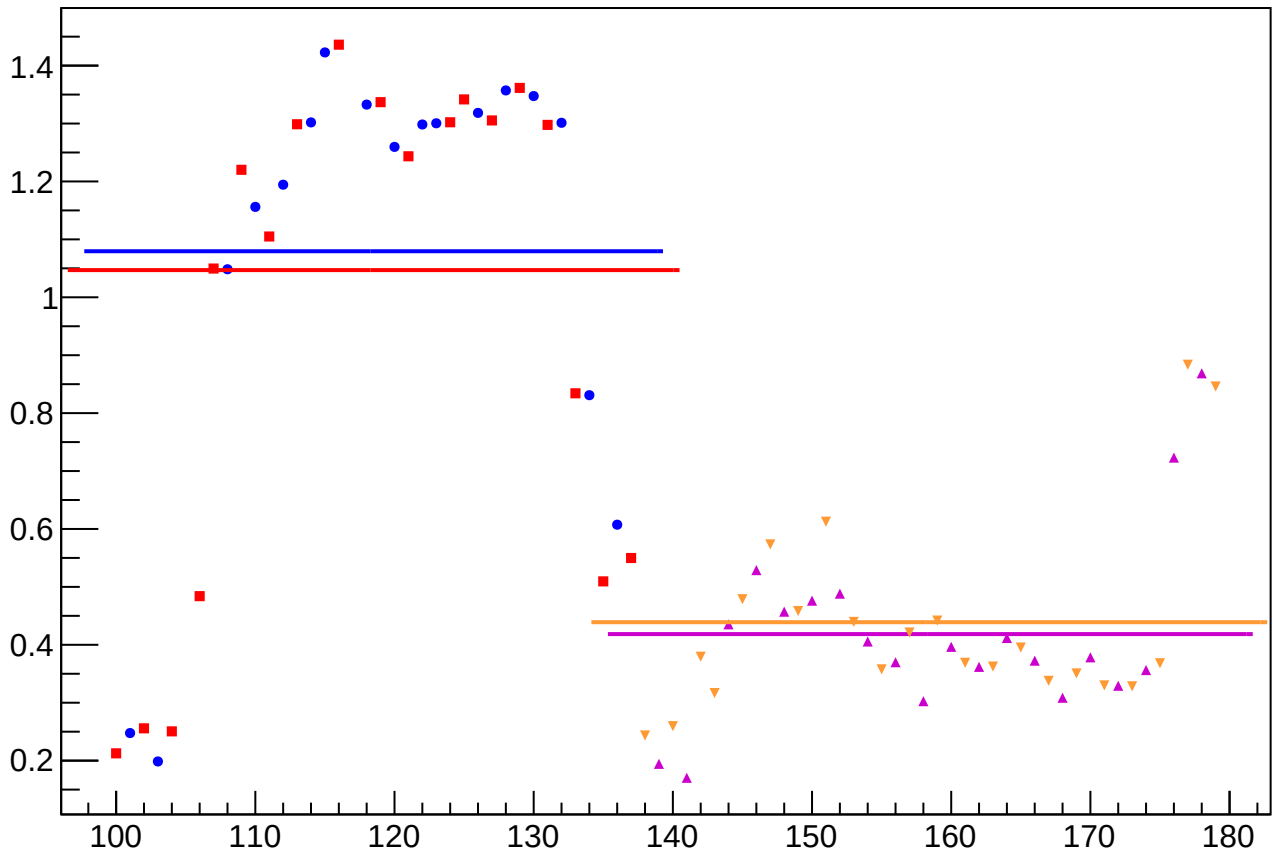
Left In: 0.002+/-0.000 χ^2/NDF : 322445.7/19

+ sign 0.002+/-0.000 χ^2/NDF : 689938.8/38

All: 0.002+/-0.000 χ^2/NDF : 1396557.9/77

- sign 0.002+/-0.000 χ^2/NDF : 706567.2/38

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.439 $\pm$ 0.000 χ^2 /NDF: 5370291958.9/21

Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

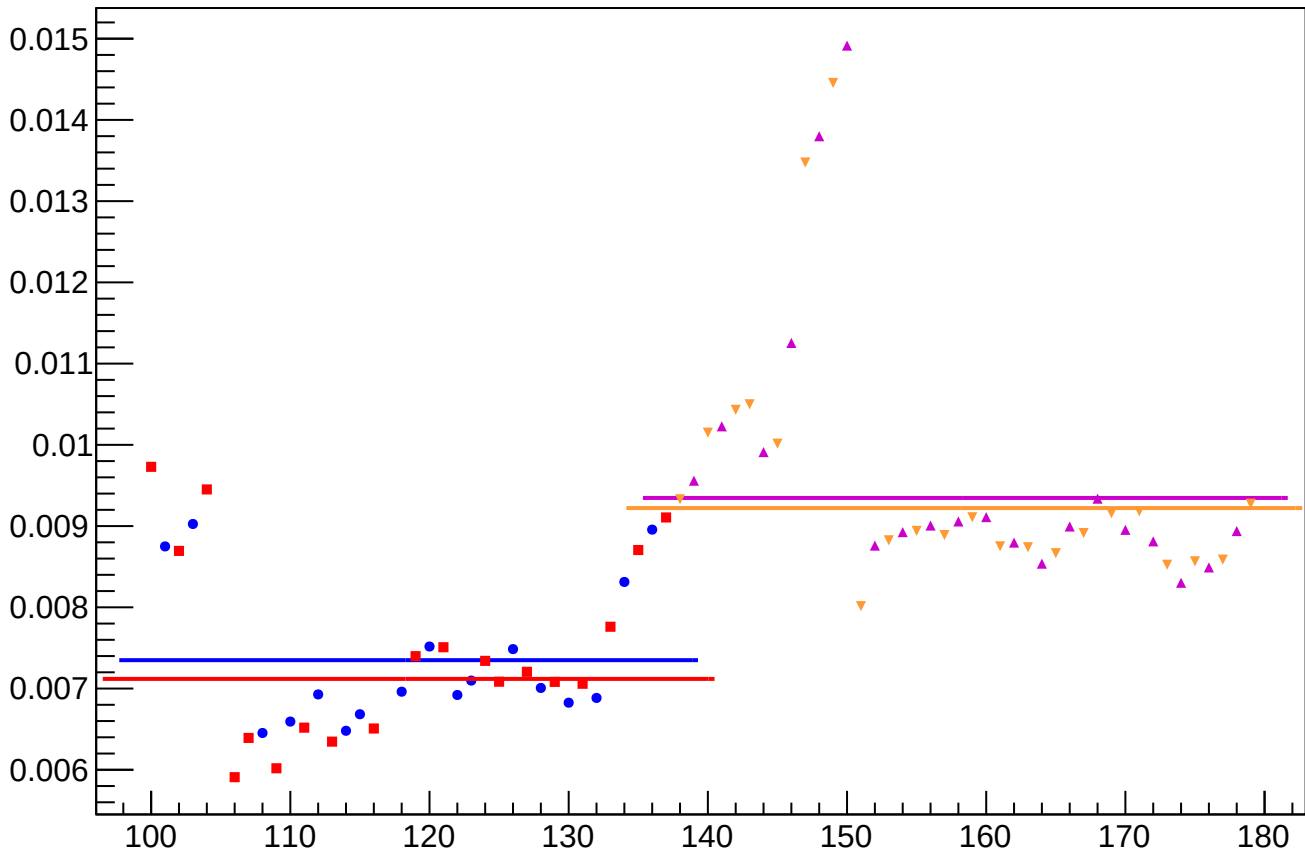
Left In: 0.419 $\pm$ 0.000 χ^2 /NDF: 4390671058.0/19

+ sign 0.689 $\pm$ 0.000 χ^2 /NDF: 53490097265.3/38

All: 0.693 $\pm$ 0.000 χ^2 /NDF: 107818738746.6

- sign 0.697 $\pm$ 0.000 χ^2 /NDF: 54318064571.5/38

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 : 505459.2/21

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

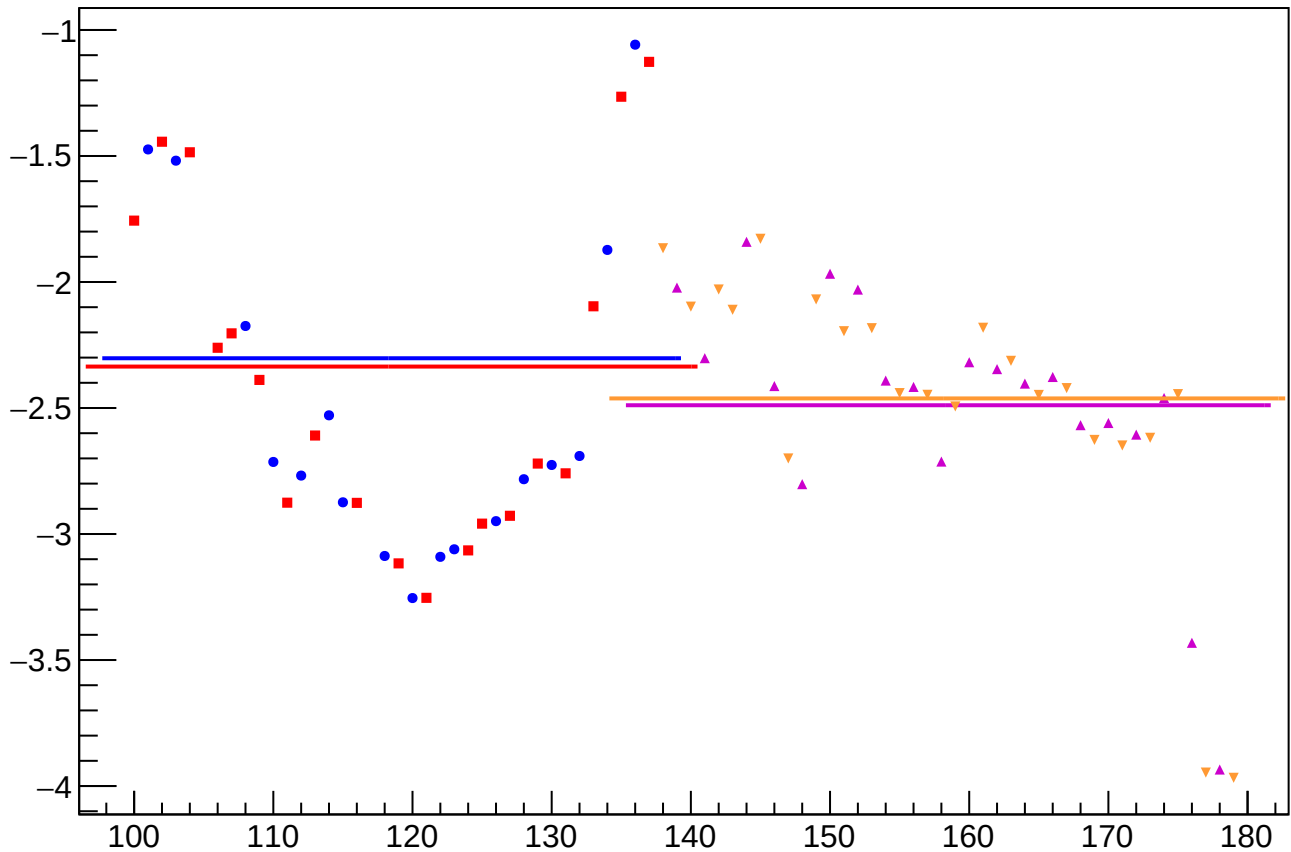
Left In: 0.009+/-0.000 χ^2/NDF : 555494.2/19

+ sign 0.008+/-0.000 χ^2/NDF : 1209123.0/38

All: 0.008+/-0.000 χ^2/NDF : 2789280.1/77

- sign 0.008+/-0.000 χ^2/NDF : 1574659.7/38

yield_bpm2i02Y_mean vs Slug



Right In: -2.303 ± 0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.462 ± 0.000 χ^2/NDF : 59236723601.9/21

Right Out: -2.336 ± 0.000 χ^2/NDF : 64499162456.4/18

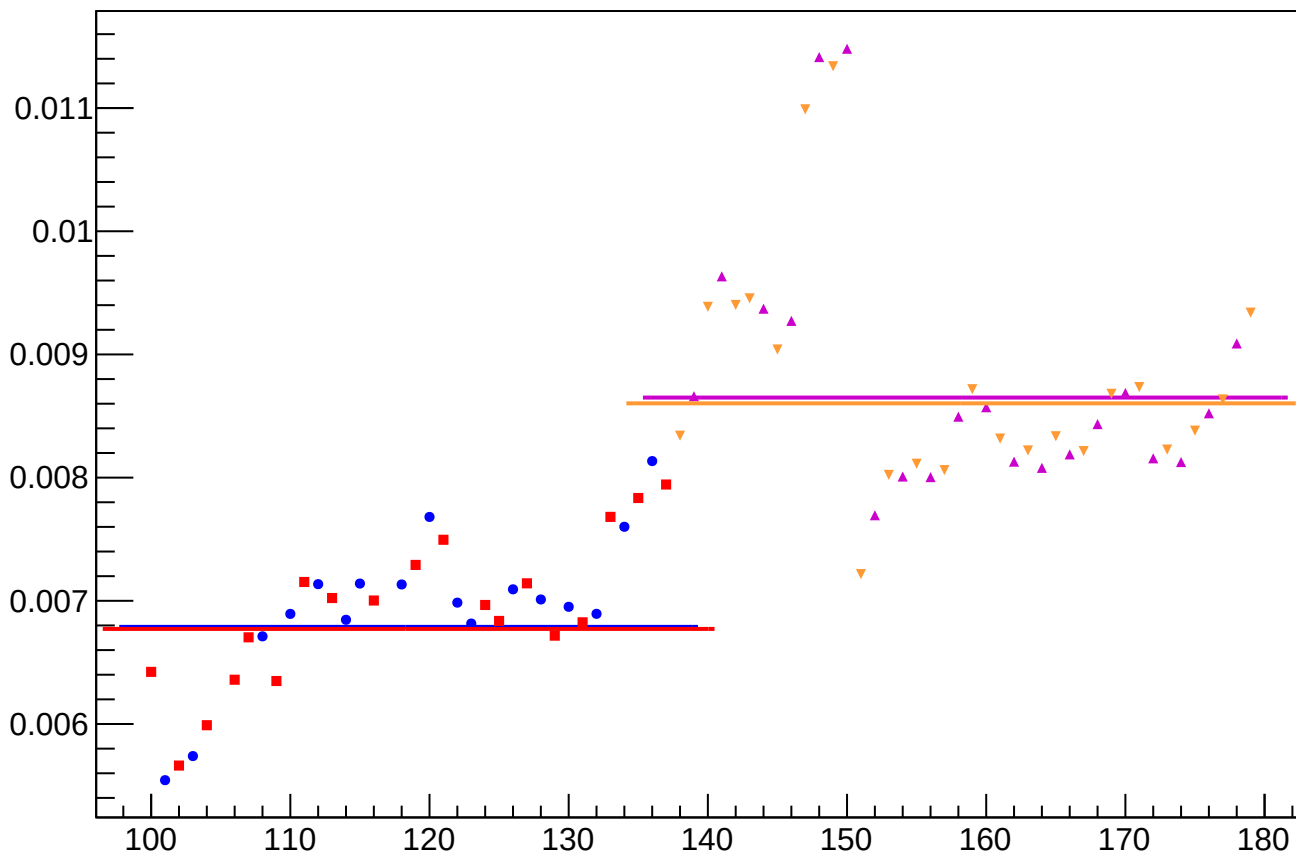
Left In: -2.489 ± 0.000 χ^2/NDF : 42179732181.3/19

+ sign -2.399 ± 0.000 χ^2/NDF : 135210171596.2/38

All: -2.411 ± 0.000 χ^2/NDF : 244056415743.5

- sign -2.423 ± 0.000 χ^2/NDF : 108743387055.3/38

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 :304209.0/21

Right Out: 0.007+/-0.000 χ^2/NDF : 123244.0/18

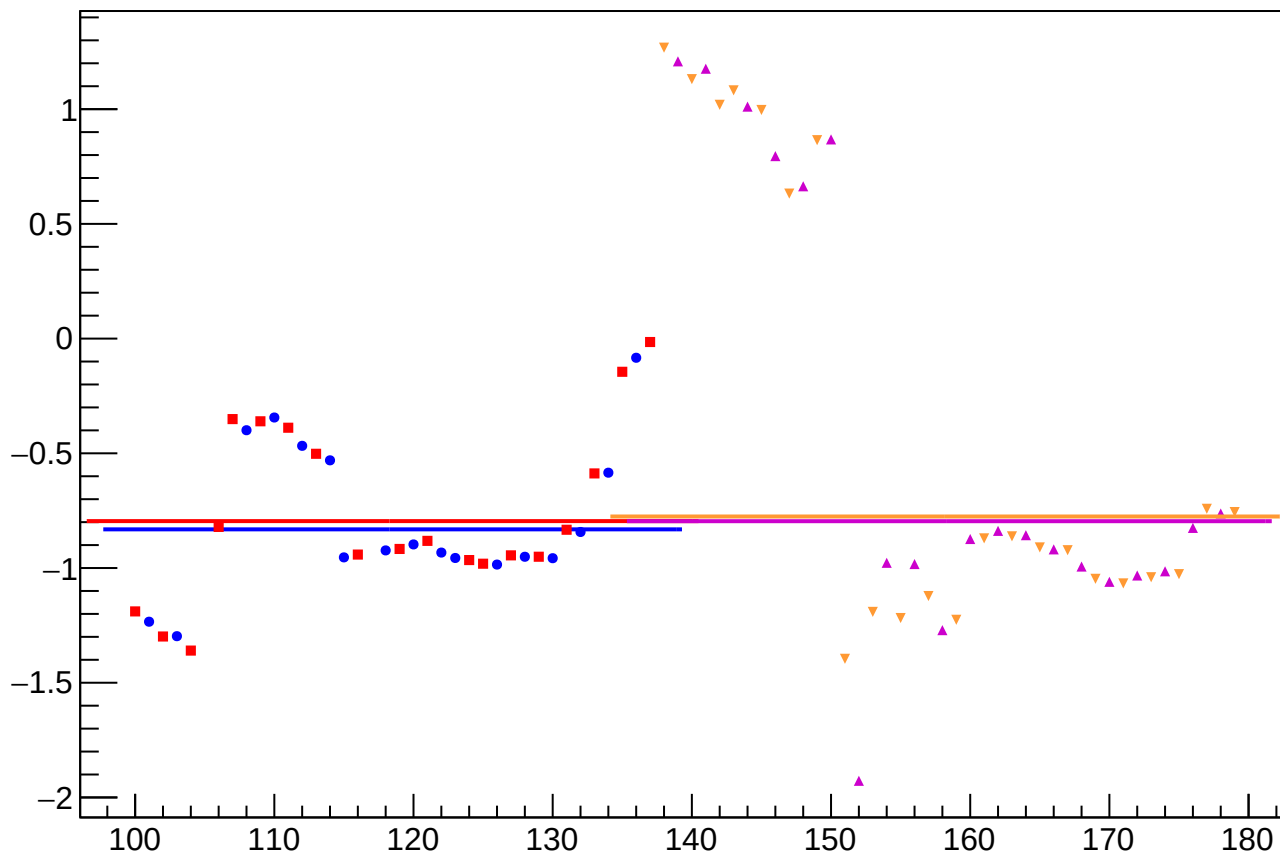
Left In: 0.009+/-0.000 χ^2/NDF :313083.9/19

+ sign 0.008+/-0.000 χ^2/NDF : 1044028.5/38

All: 0.008+/-0.000 χ^2/NDF : 2099466.6/77

- sign 0.008+/-0.000 χ^2/NDF : 1054681.8/38

yield_bpm0i01X_mean vs Slug



Right In: -0.831 $\pm$ 0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.775 $\pm$ 0.000 χ^2/NDF : 118485704273.3/21

Right Out: -0.796 $\pm$ 0.000 χ^2/NDF : 7821744046.6/18

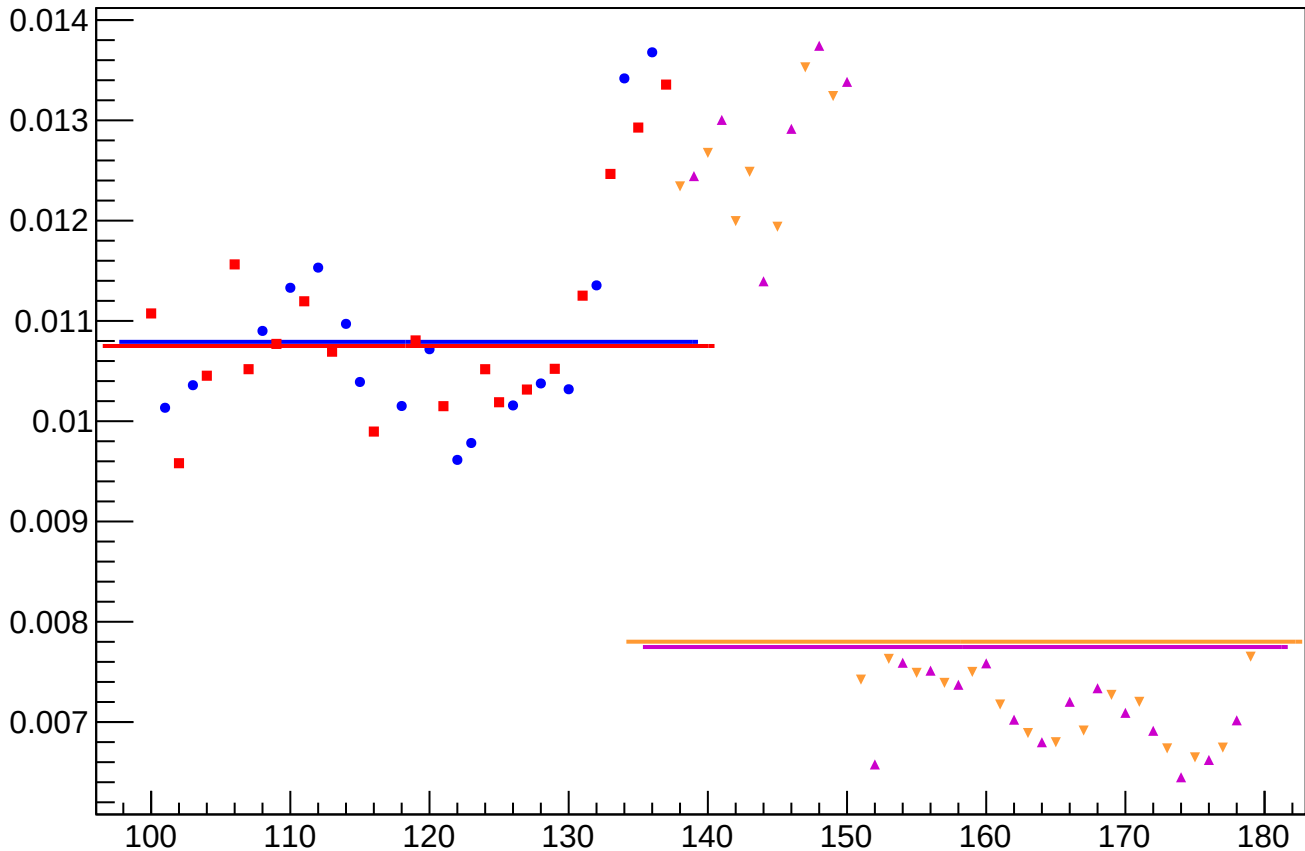
Left In: -0.796 $\pm$ 0.000 χ^2/NDF : 123390128723.9/19

+ sign -0.786 $\pm$ 0.000 χ^2/NDF : 125322830577.0/38

All: -0.791 $\pm$ 0.000 χ^2/NDF : 256550462554.7

- sign -0.796 $\pm$ 0.000 χ^2/NDF : 131211880330.6/38

yield_bpm0i01X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 125802.4/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF :1676231.0/21

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 90220.8/18

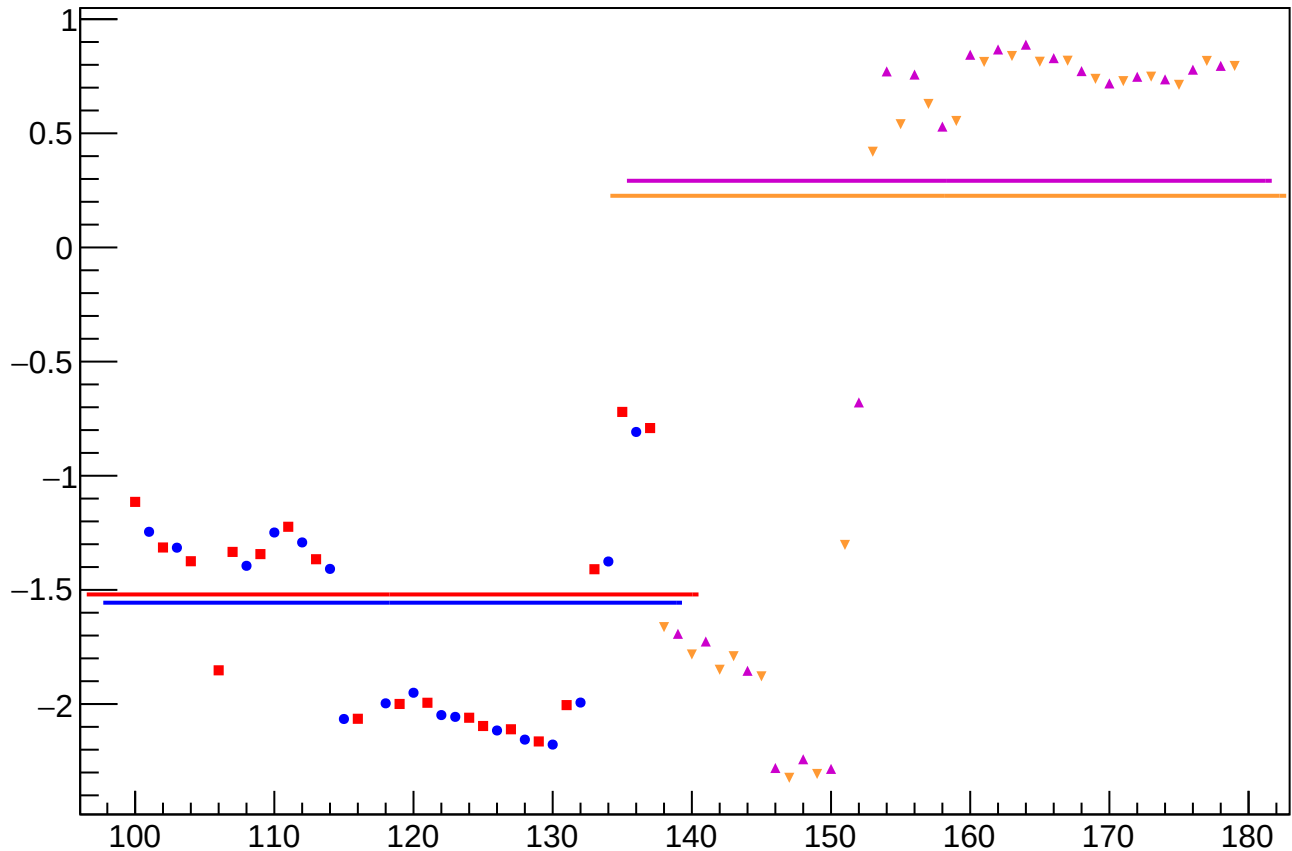
Left In: 0.008 $\pm$ 0.000 χ^2/NDF :1740245.9/19

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 2627093.6/38

All: 0.008 $\pm$ 0.000 χ^2/NDF : 5317438.3/77

- sign 0.008 $\pm$ 0.000 χ^2/NDF : 2690340.9/38

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2 /NDF: 154972763568.8/16

Left Out: 0.226+/-0.000 χ^2 /NDF: 2462209491002.2/21

Right Out: -1.520+/-0.000 χ^2 /NDF: 138464991806.4/18

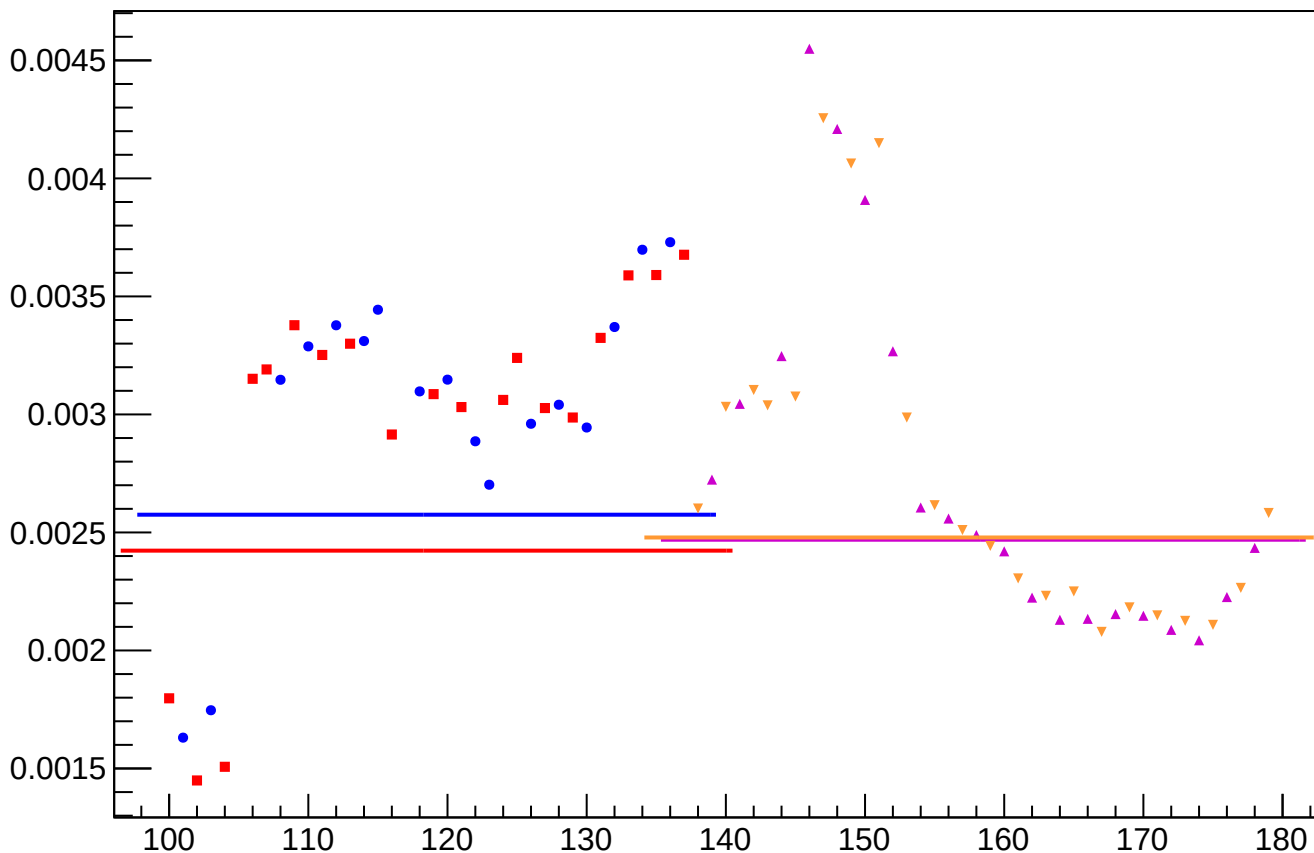
Left In: 0.292+/-0.000 χ^2 /NDF: 2214323715337.6/19

+ sign -0.247+/-0.000 χ^2 /NDF: 4609427034632.1/3

All: -0.254+/-0.000 χ^2 /NDF: 9165655315626

- sign -0.261+/-0.000 χ^2 /NDF: 4555881911654.3/3

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 :1059790.3/21

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

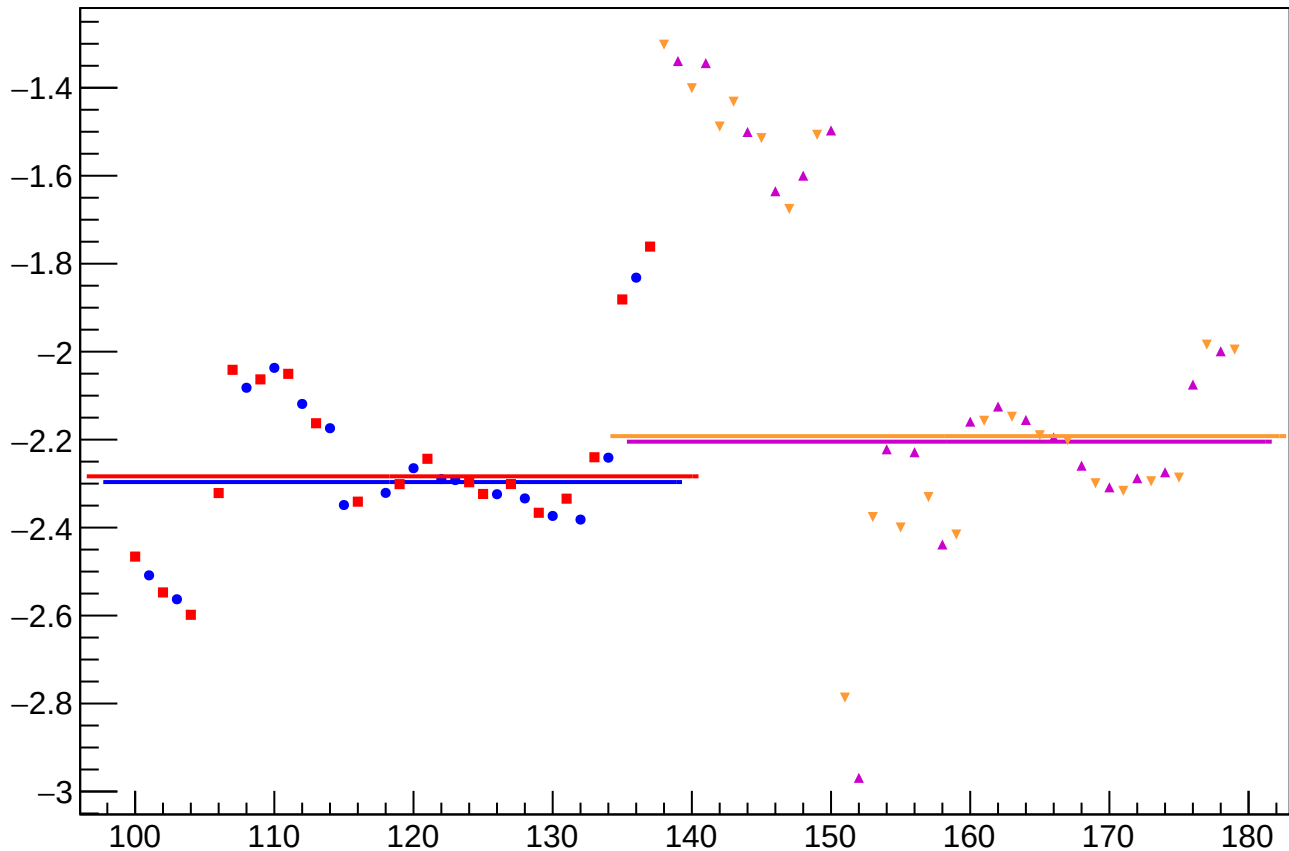
Left In: 0.002+/-0.000 χ^2/NDF :1131792.6/19

+ sign 0.003+/-0.000 χ^2/NDF : 2085305.1/38

All: 0.002+/-0.000 χ^2/NDF : 4717830.5/77

- sign 0.002+/-0.000 χ^2/NDF : 2624801.6/38

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.192+/-0.000 χ^2/NDF : 56599623723.9/21

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

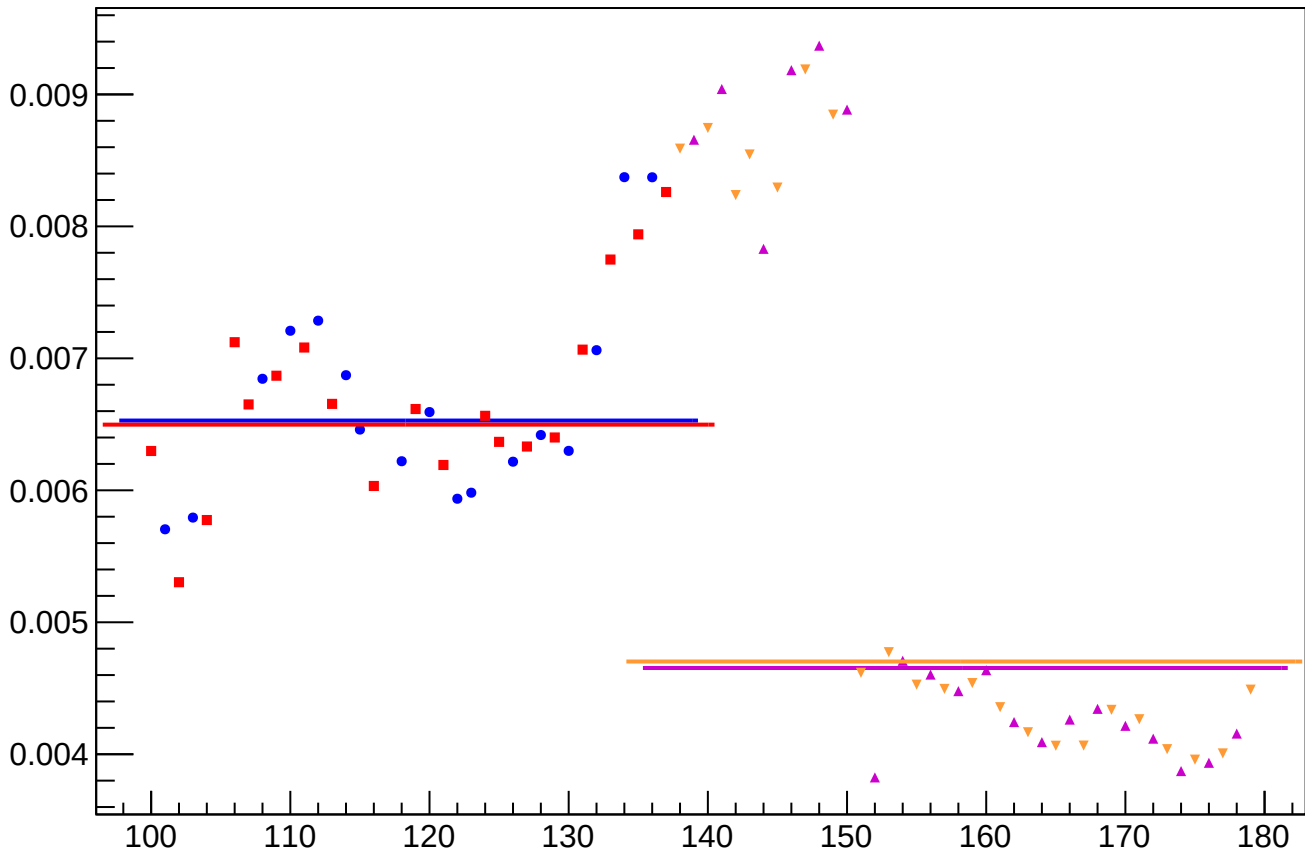
Left In: -2.205+/-0.000 χ^2/NDF : 70013540232.1/19

+ sign -2.211+/-0.000 χ^2/NDF : 63732742505.9/38

All: -2.216+/-0.000 χ^2/NDF : 141126115000.7

- sign -2.221+/-0.000 χ^2/NDF : 77358159503.9/38

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 : 2274467.7/21

Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

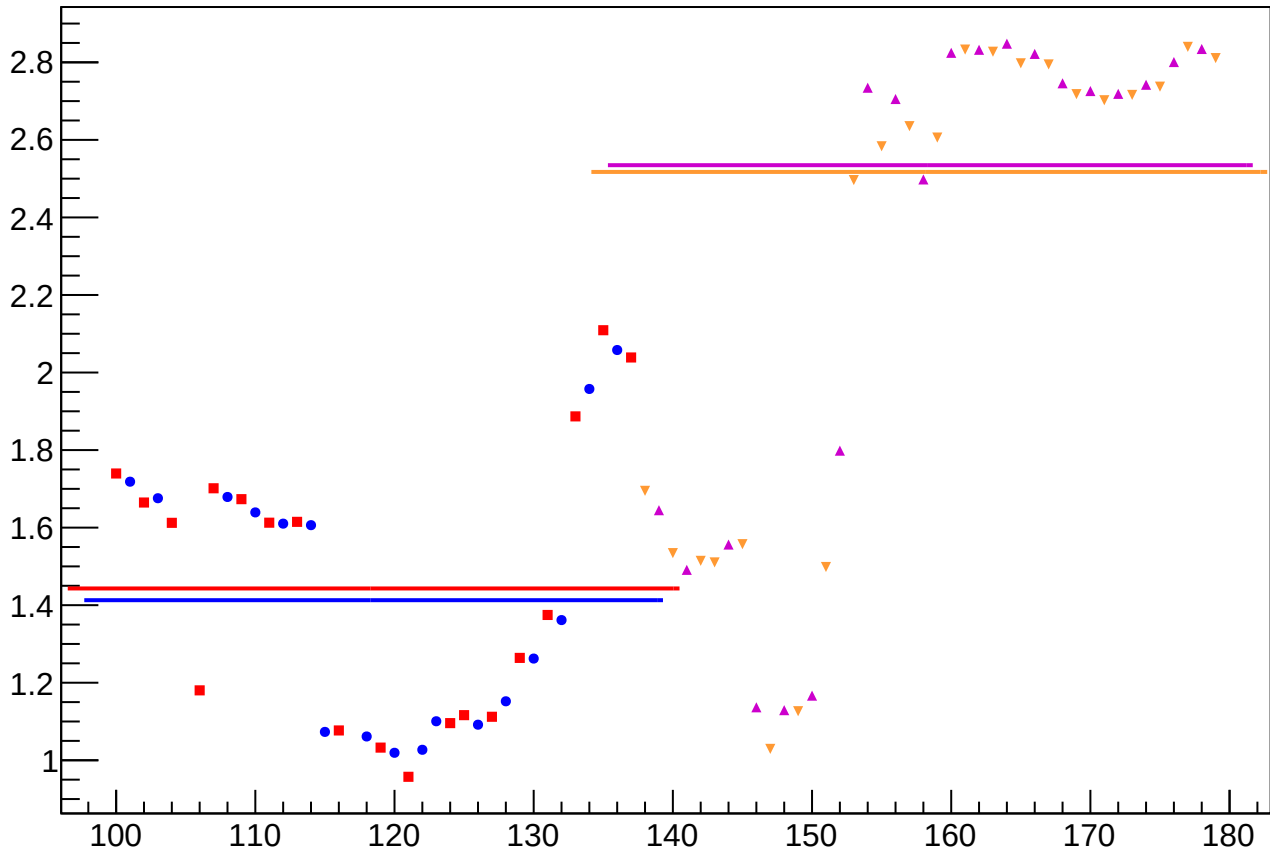
Left In: 0.005+/-0.000 χ^2/NDF : 2354284.0/19

+ sign 0.005+/-0.000 χ^2/NDF : 3276454.6/38

All: 0.005+/-0.000 χ^2/NDF : 6667133.7/77

- sign 0.005+/-0.000 χ^2/NDF : 3390553.6/38

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.517+/-0.000 χ^2/NDF : 258059003982.9/21

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

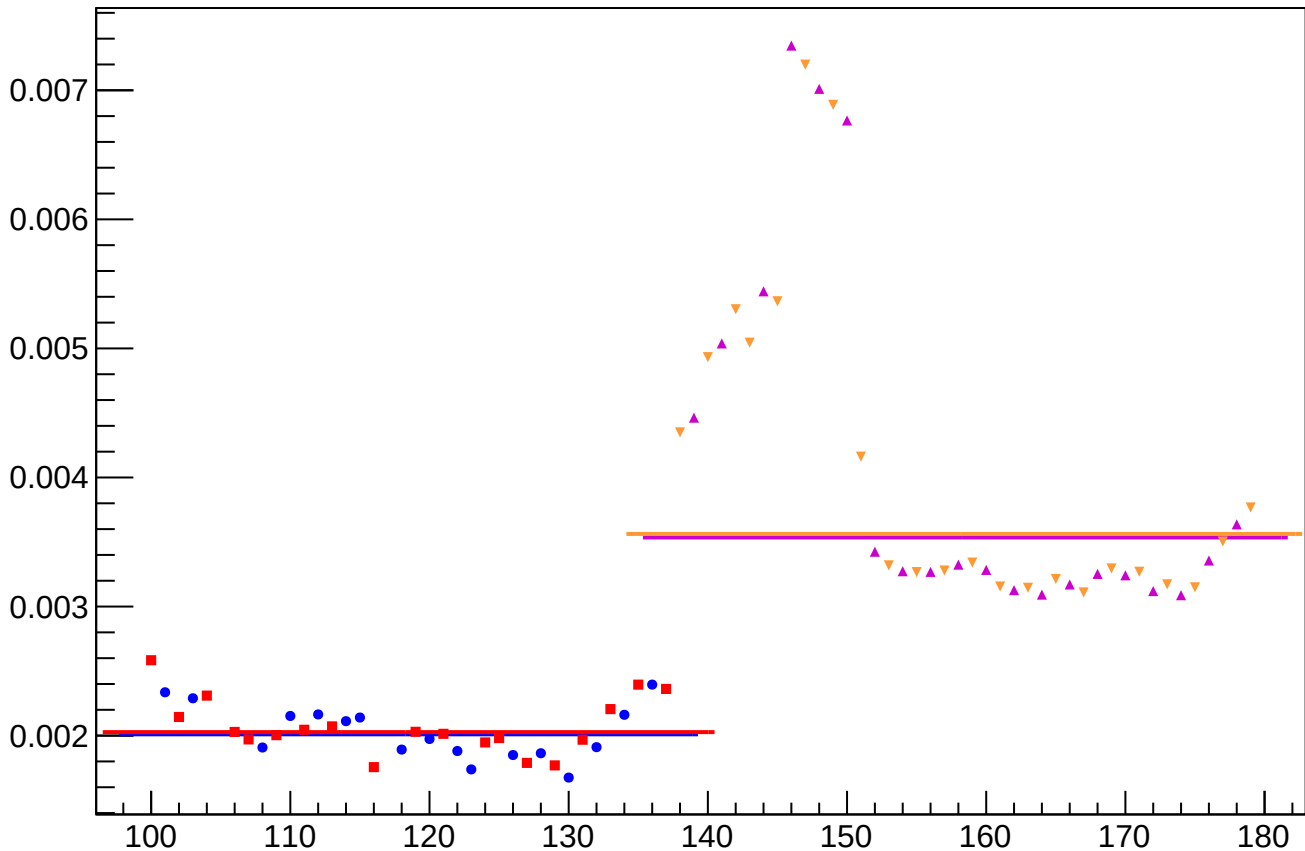
Left In: 2.535+/-0.000 χ^2/NDF : 250894773031.4/19

+ sign 1.894+/-0.000 χ^2/NDF : 1241419314774.9/38

All: 1.893+/-0.000 χ^2/NDF : 2438142356941.0

- sign 1.891+/-0.000 χ^2/NDF : 1196717168930.8/38

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 :1355278.6/21

Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

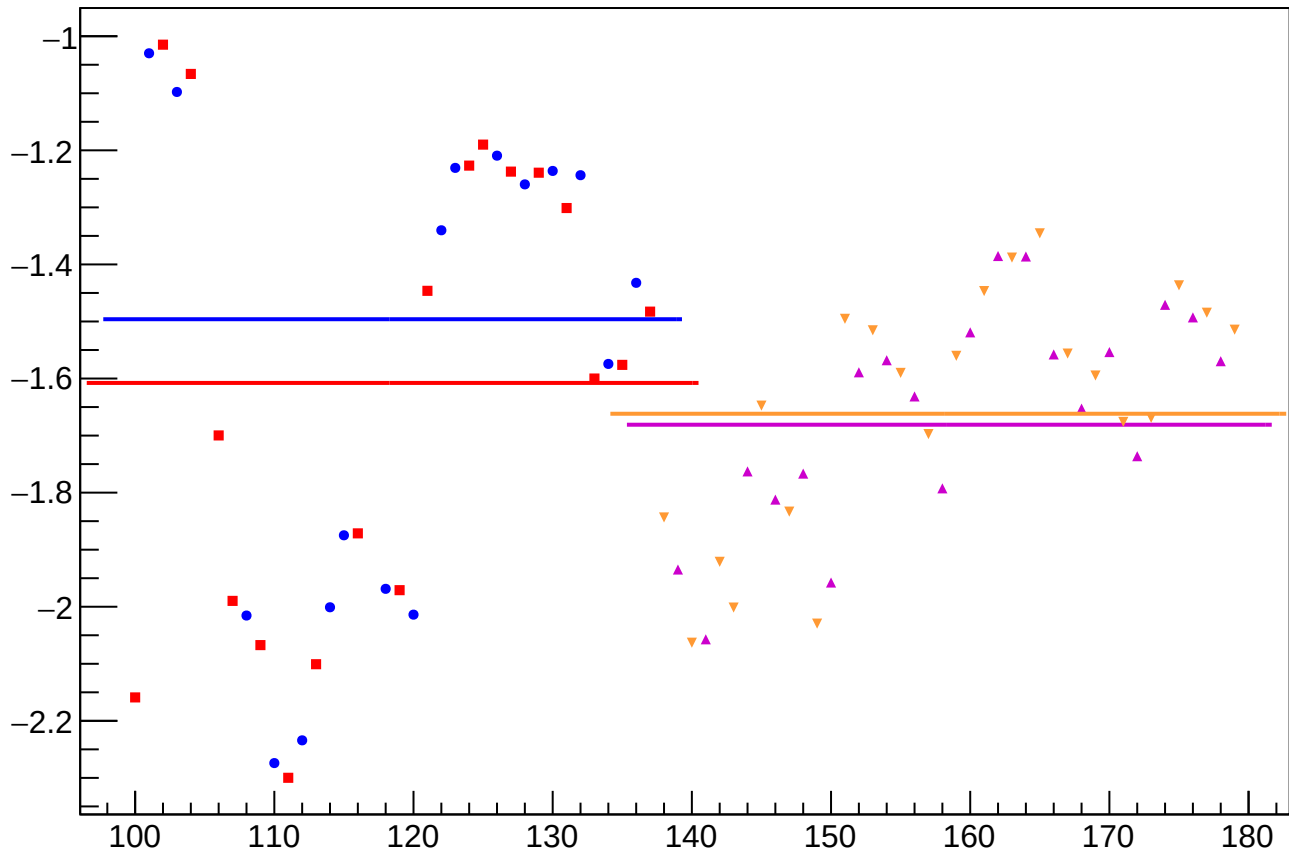
Left In: 0.004+/-0.000 χ^2/NDF :1537100.6/19

+ sign 0.003+/-0.000 χ^2/NDF : 4711813.9/38

All: 0.003+/-0.000 χ^2/NDF : 9305323.8/77

- sign 0.003+/-0.000 χ^2/NDF : 4589341.6/38

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.662+/-0.000 χ^2/NDF : 17869877835.8/21

Right Out: -1.608+/-0.000 χ^2/NDF : 27836461057.4/18

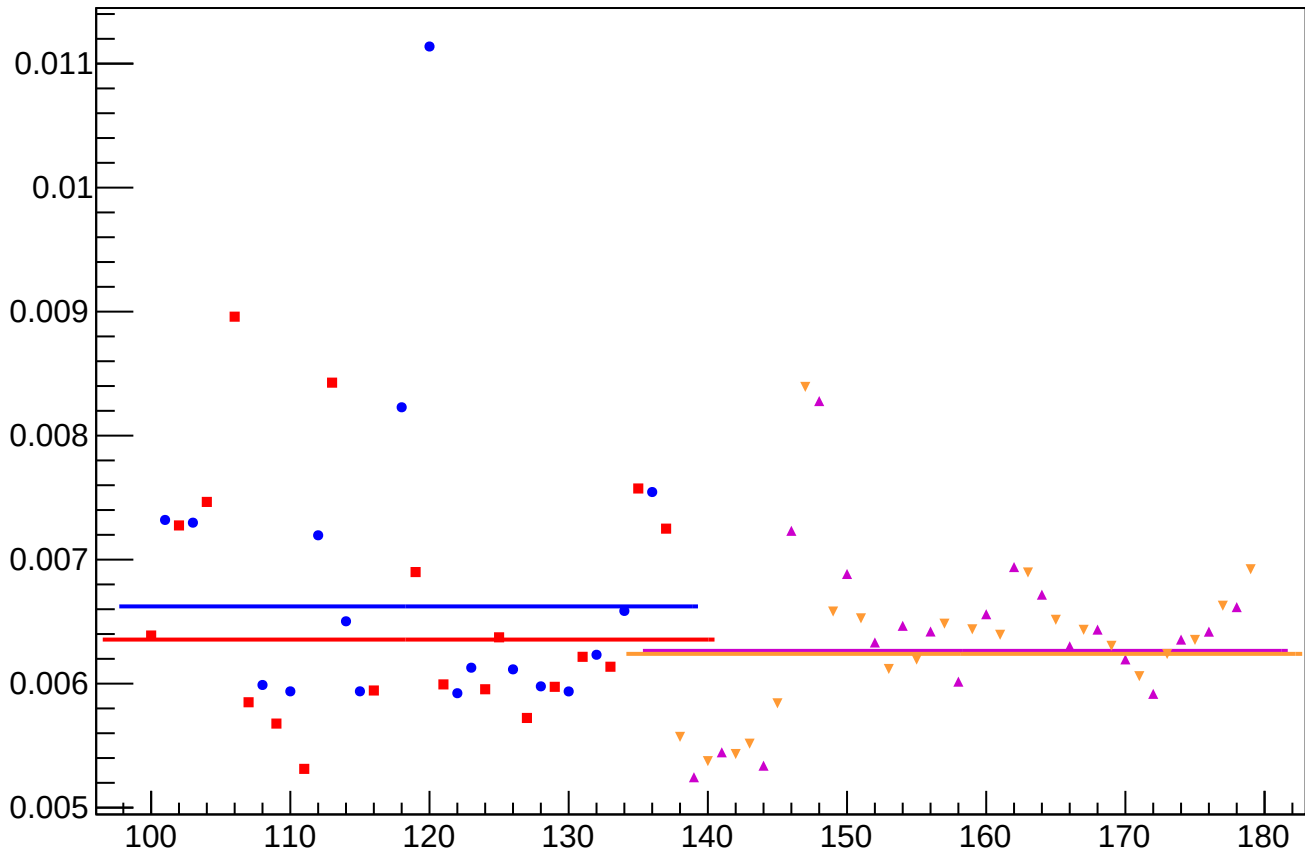
Left In: -1.681+/-0.000 χ^2/NDF : 13135171757.9/19

+ sign -1.619+/-0.000 χ^2/NDF : 43231424925.8/38

All: -1.639+/-0.000 χ^2/NDF : 85225911542.8/79

- sign -1.659+/-0.000 χ^2/NDF : 41579773432.5/38

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006+/-0.000 χ^2/NDF : 250066.3/21

Right Out: 0.006+/-0.000 χ^2/NDF : 227861.1/18

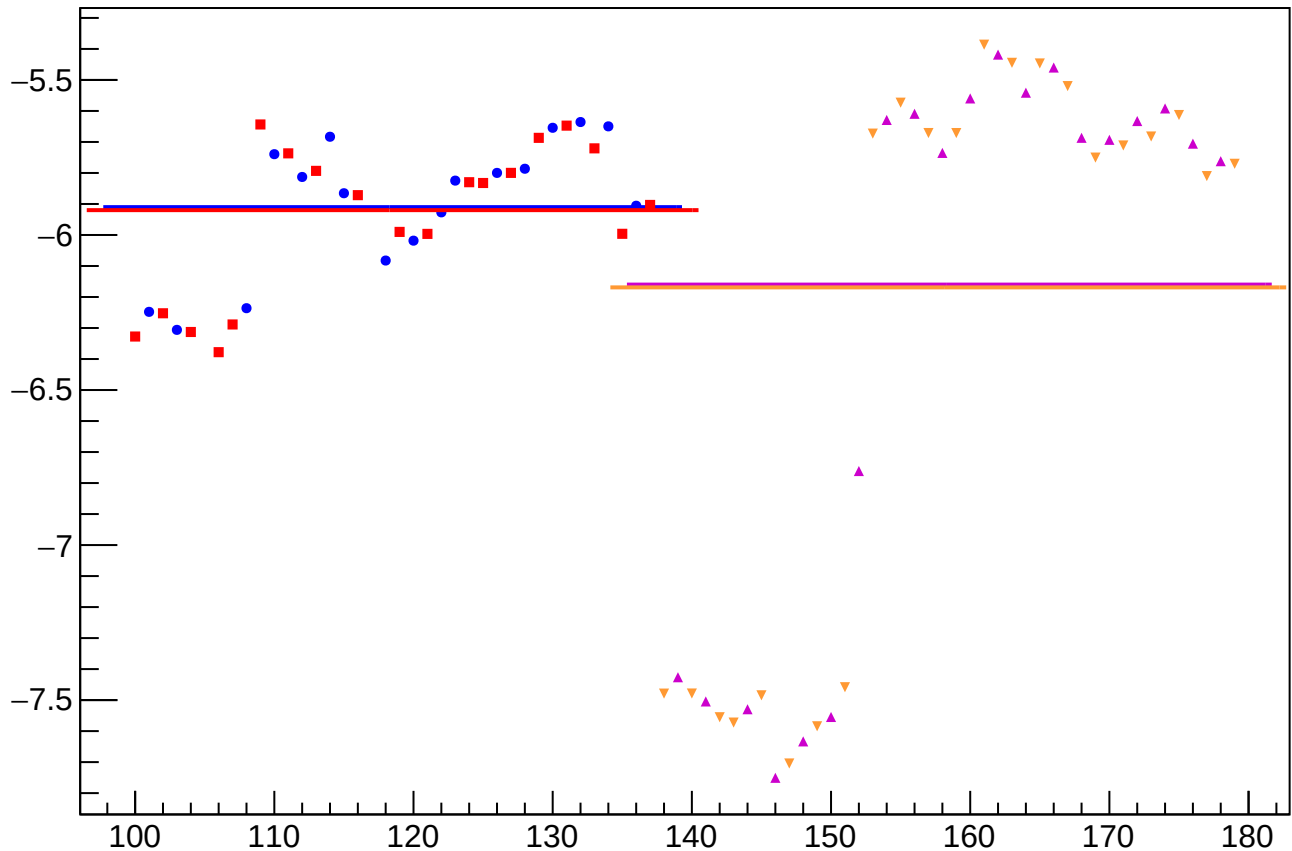
Left In: 0.006+/-0.000 χ^2/NDF : 298719.4/19

+ sign 0.006+/-0.000 χ^2/NDF : 512964.5/38

All: 0.006+/-0.000 χ^2/NDF : 1042569.5/77

- sign 0.006+/-0.000 χ^2/NDF : 528464.5/38

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2 /NDF: 11154434512.7/16

Left Out: -6.169+/-0.000 χ^2 /NDF: 180264257250.7/21

Right Out: -5.920+/-0.000 χ^2 /NDF: 12785618366.8/18

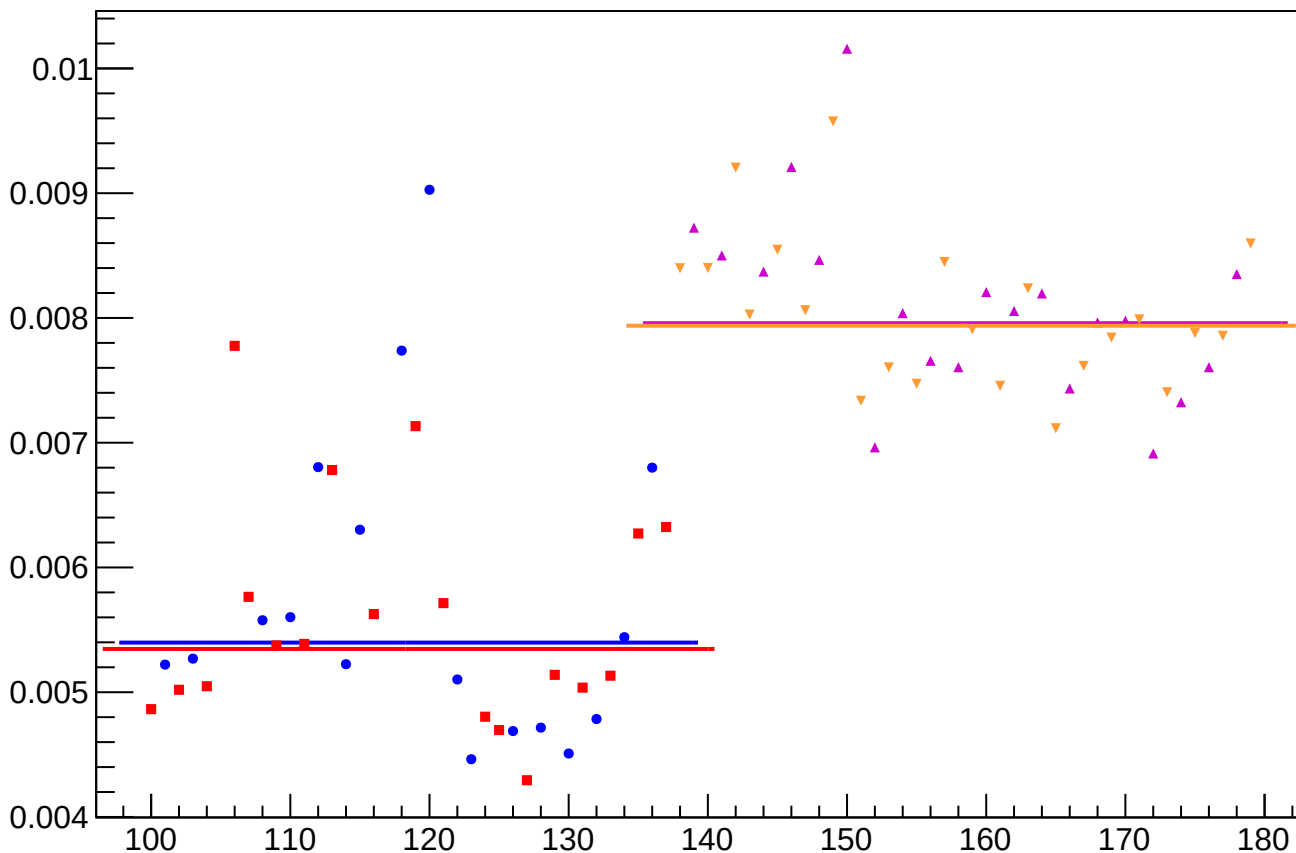
Left In: -6.160+/-0.000 χ^2 /NDF: 154942115180.3/19

+ sign -6.050+/-0.000 χ^2 /NDF: 198741568361.7/38

All: -6.045+/-0.000 χ^2 /NDF: 372897467180.9

- sign -6.040+/-0.000 χ^2 /NDF: 174133560143.5/38

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 :132670.5/21

Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

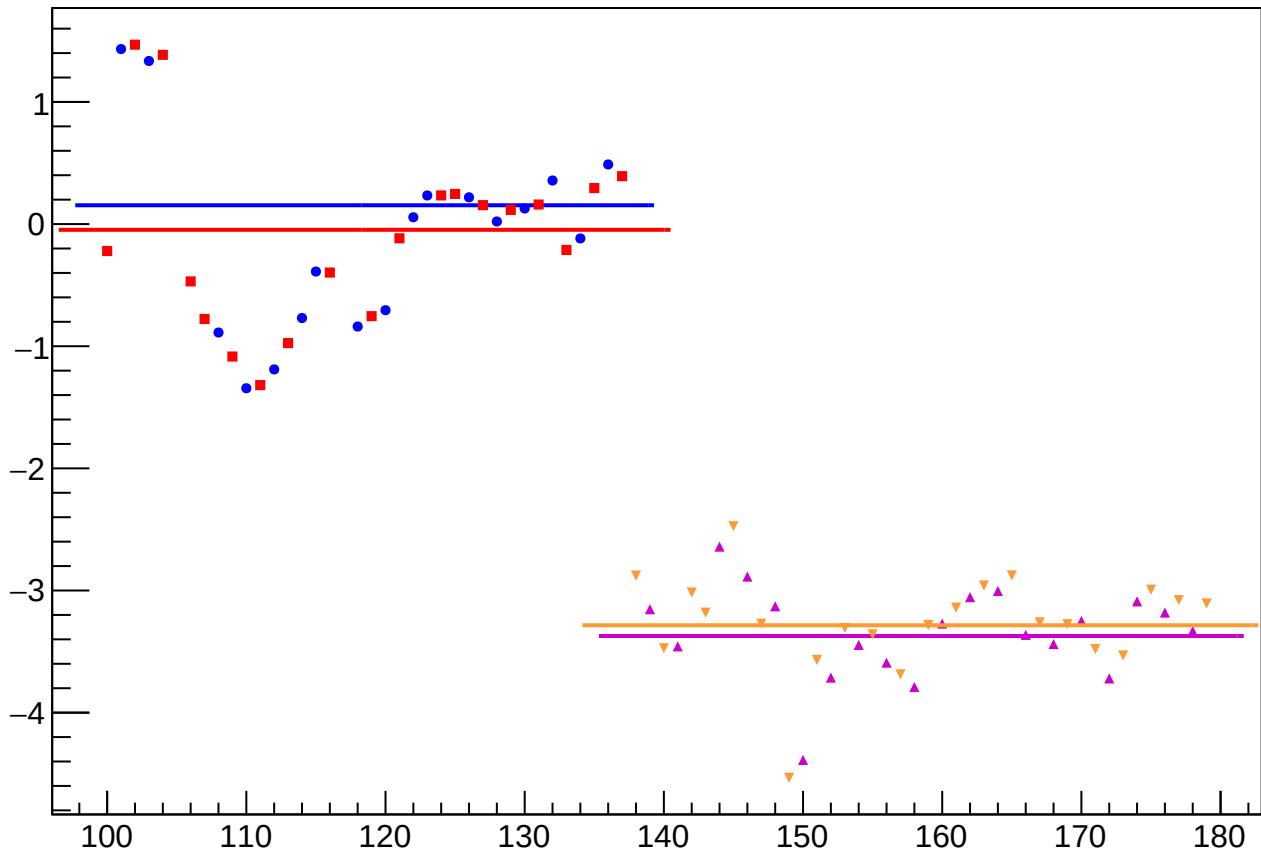
Left In: 0.008+/-0.000 χ^2/NDF :207593.3/19

+ sign 0.007+/-0.000 χ^2/NDF : 1914623.5/38

All: 0.007+/-0.000 χ^2/NDF : 3891810.3/77

- sign 0.007+/-0.000 χ^2/NDF : 1971044.8/38

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.285+/-0.000 χ^2/NDF : 8781035534.2/21

Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

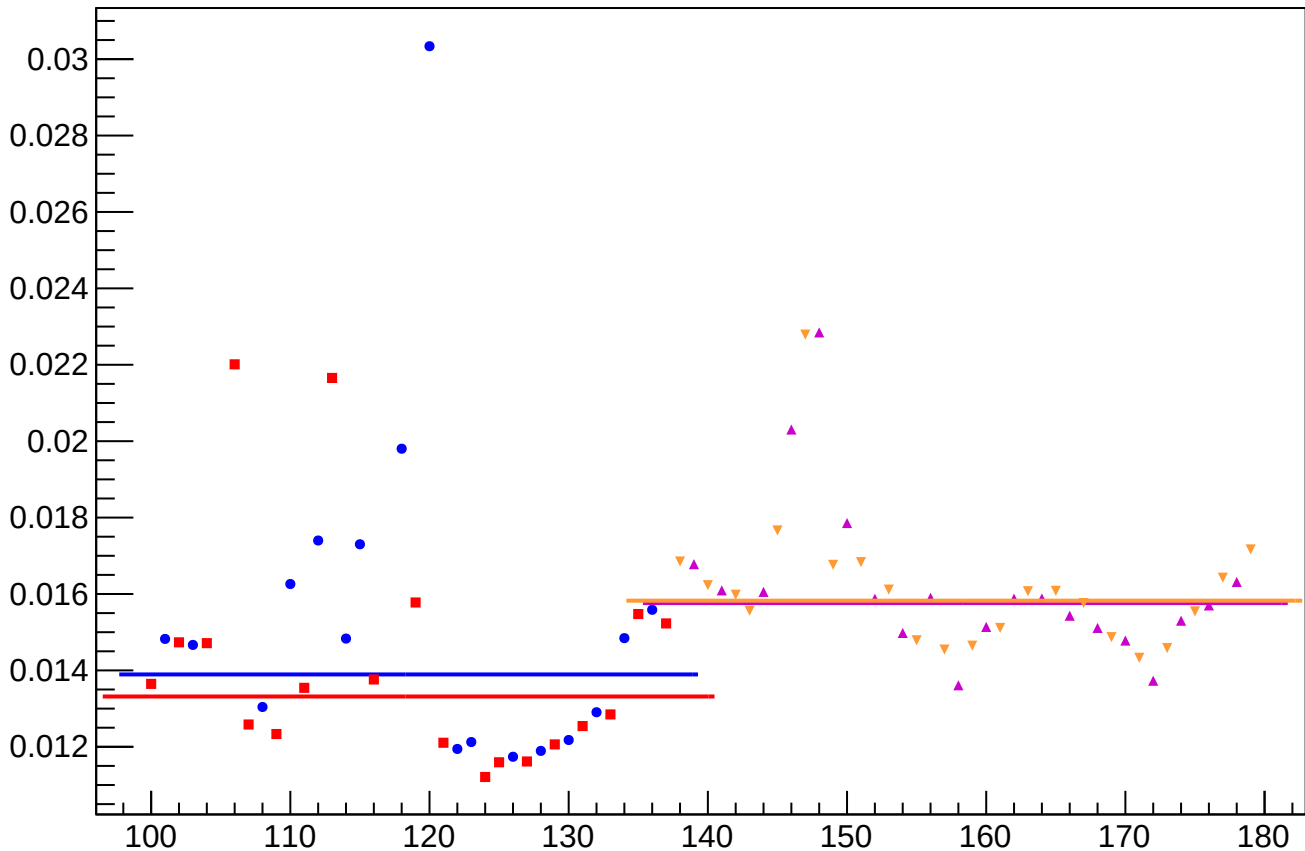
Left In: -3.373+/-0.000 χ^2/NDF : 7738000270.0/19

+ sign -2.164+/-0.000 χ^2/NDF : 270249741587.8/38

All: -2.135+/-0.000 χ^2/NDF : 548838692126.0

- sign -2.106+/-0.000 χ^2/NDF : 278431481088.4/38

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 :244127.5/21

Right Out: 0.013+/-0.000 χ^2/NDF : 291358.0/18

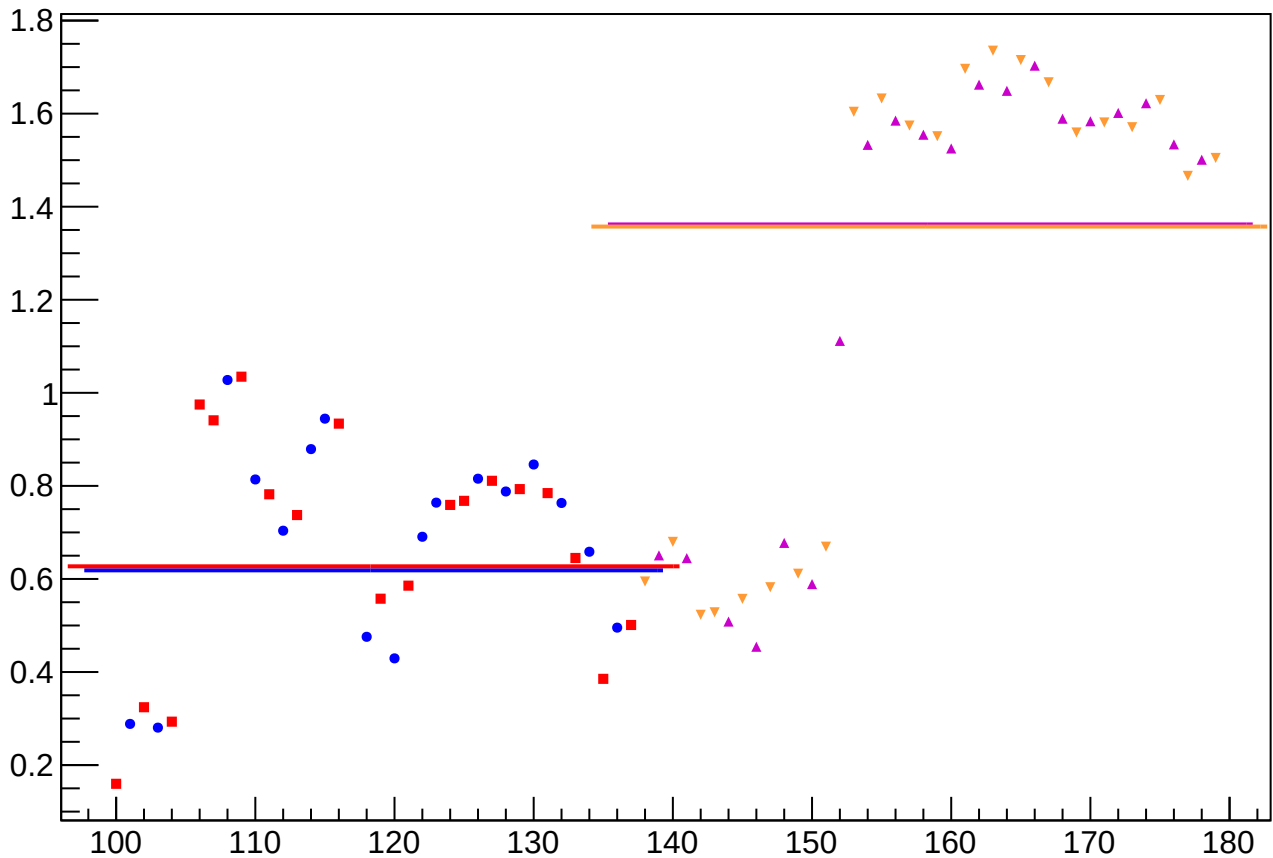
Left In: 0.016+/-0.000 χ^2/NDF :329866.5/19

+ sign 0.015+/-0.000 χ^2/NDF : 798832.2/38

All: 0.015+/-0.000 χ^2/NDF : 1702606.2/77

- sign 0.015+/-0.000 χ^2/NDF : 891204.5/38

yield_bpm0l02Y_mean vs Slug



Right In: 0.619 ± 0.000 χ^2/NDF : 5416939288.1/16

Left Out: 1.357 ± 0.000 χ^2/NDF : 72622018683.5/21

Right Out: 0.627 ± 0.000 χ^2/NDF : 6337935219.4/18

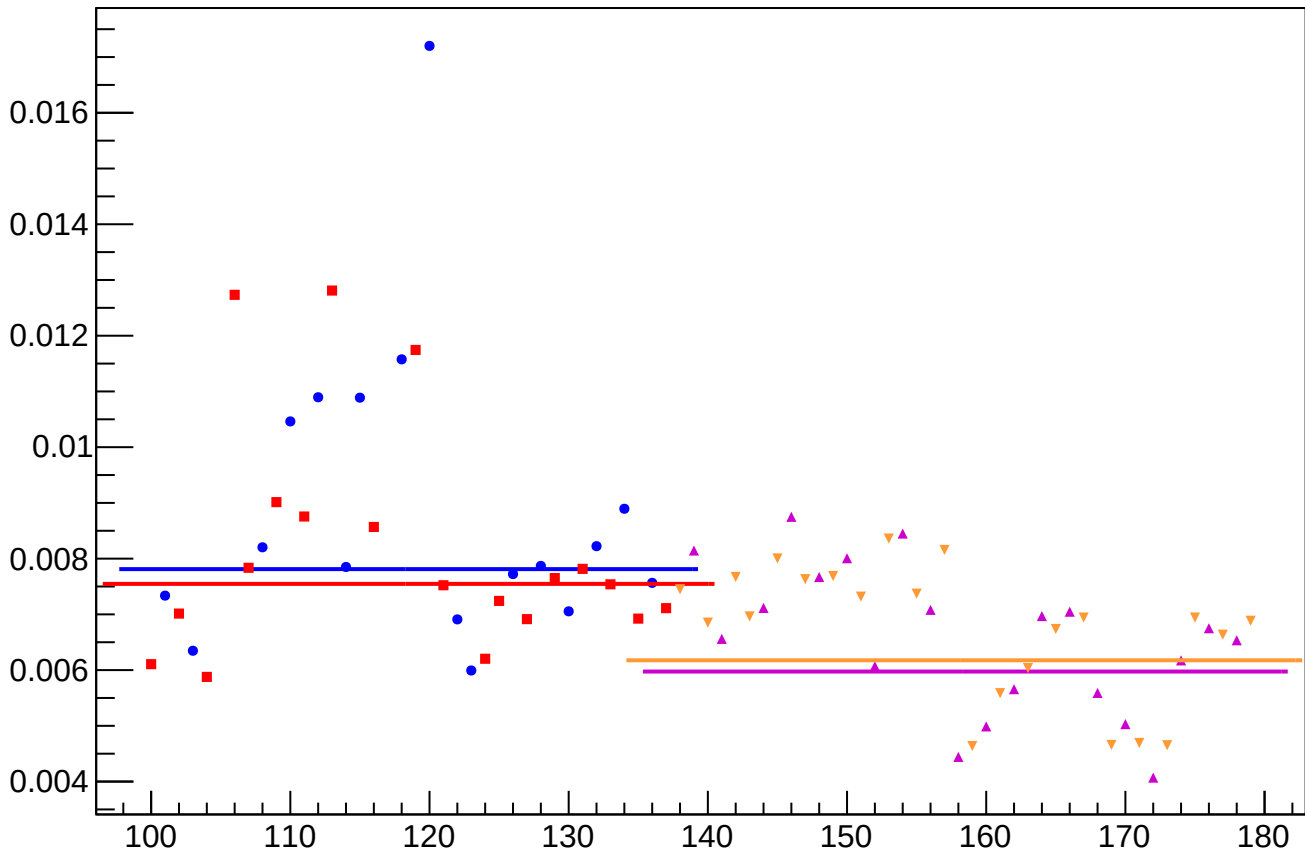
Left In: 1.362 ± 0.000 χ^2/NDF : 62791000903.2/19

+ sign 1.212 ± 0.000 χ^2/NDF : 119868793915.5/38

All: 1.207 ± 0.000 χ^2/NDF : 234960968557.6

- sign 1.202 ± 0.000 χ^2/NDF : 115067192784.3/38

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:1268525.2/21

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 441823.4/18

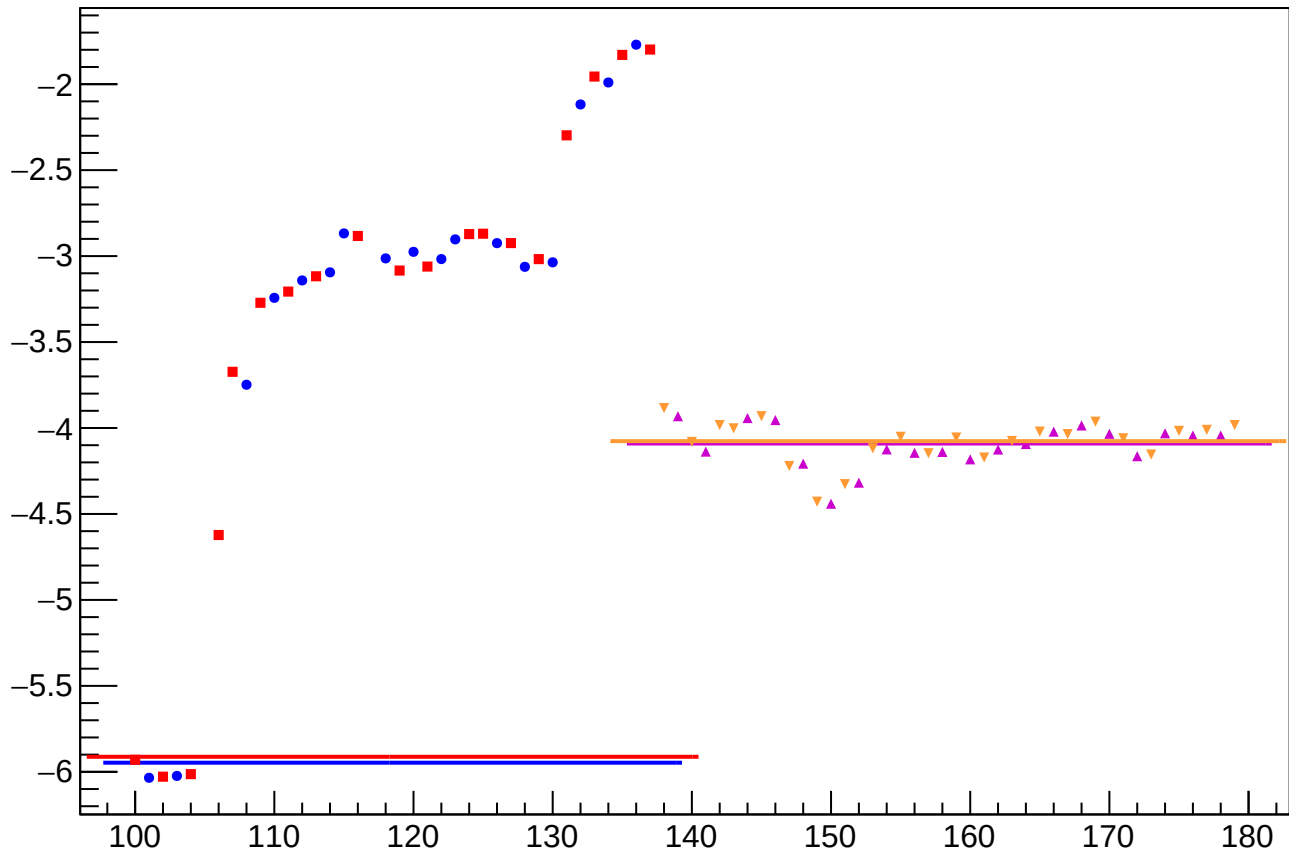
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1329719.2/19

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2145594.6/38

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4354489.9/77

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2192697.6/38

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.076+/-0.000 χ^2/NDF : 36157920.0/21

Right Out: -5.912+/-0.000 χ^2/NDF : 14619971495.0/18

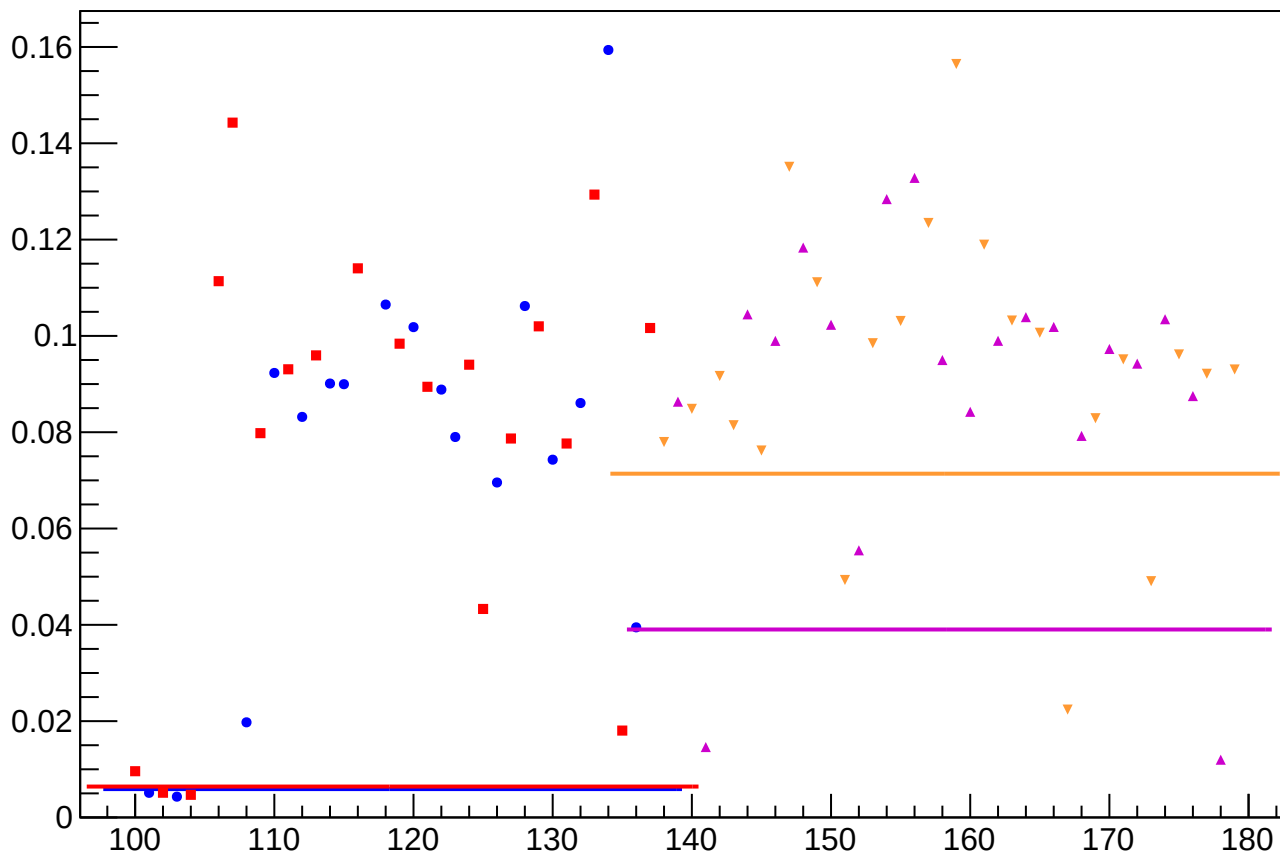
Left In: -4.090+/-0.000 χ^2/NDF : 33590092.1/19

+ sign -5.862+/-0.000 χ^2/NDF : 20710727456.6/38

All: -5.805+/-0.000 χ^2/NDF : 47814172154.0/78

- sign -5.738+/-0.000 χ^2/NDF : 26754250651.4/38

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.071+/-0.000 χ^2/NDF : 4999262.1/21

Right Out: 0.006+/-0.000 χ^2/NDF : 8498586.9/18

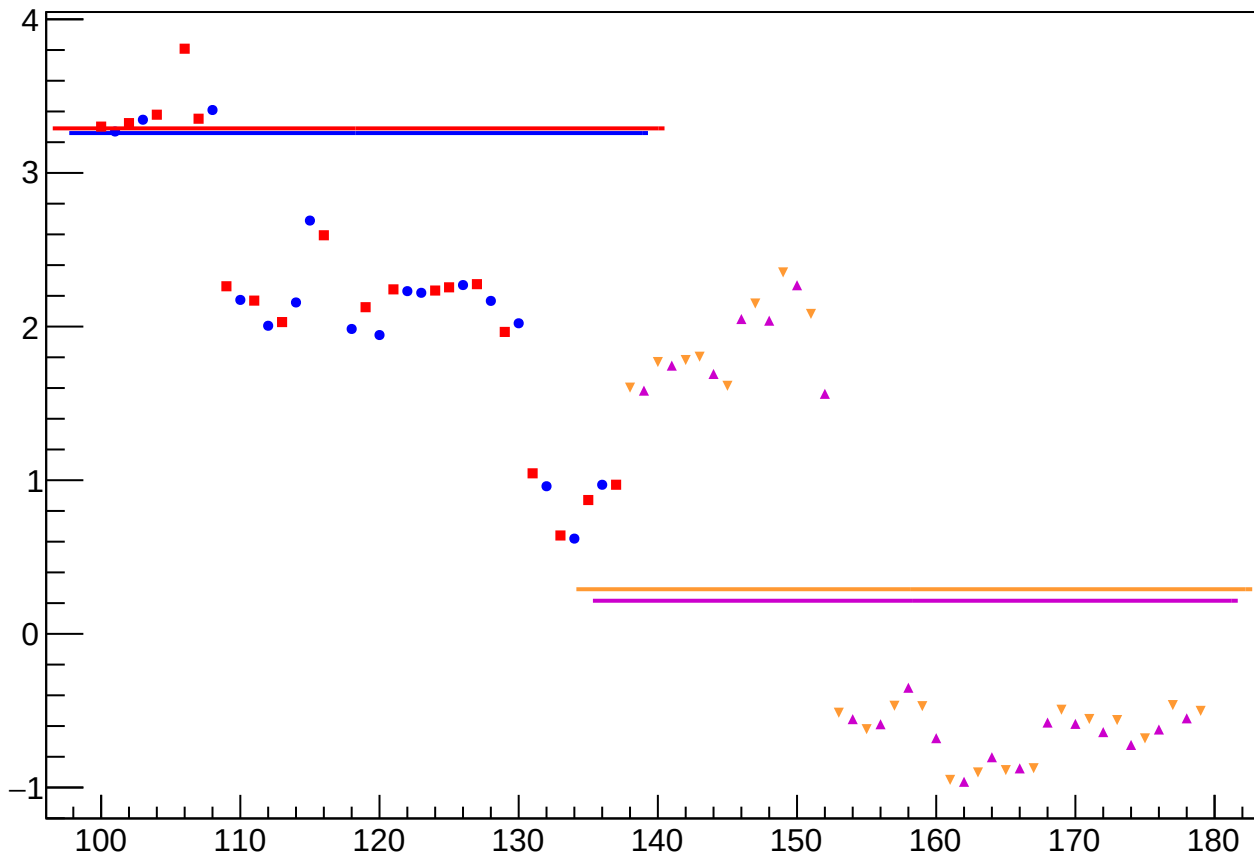
Left In: 0.039+/-0.000 χ^2/NDF : 12113635.4/19

+ sign 0.009+/-0.000 χ^2/NDF : 31345948.1/38

All: 0.009+/-0.000 χ^2/NDF : 59733092.6/77

- sign 0.010+/-0.000 χ^2/NDF : 28366451.2/38

yield_bpm0l03Y_mean vs Slug



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 0.290+/-0.000 χ^2/NDF : 3044106947.0/21

Right Out: 3.290+/-0.000 χ^2/NDF : 3262231575.5/18

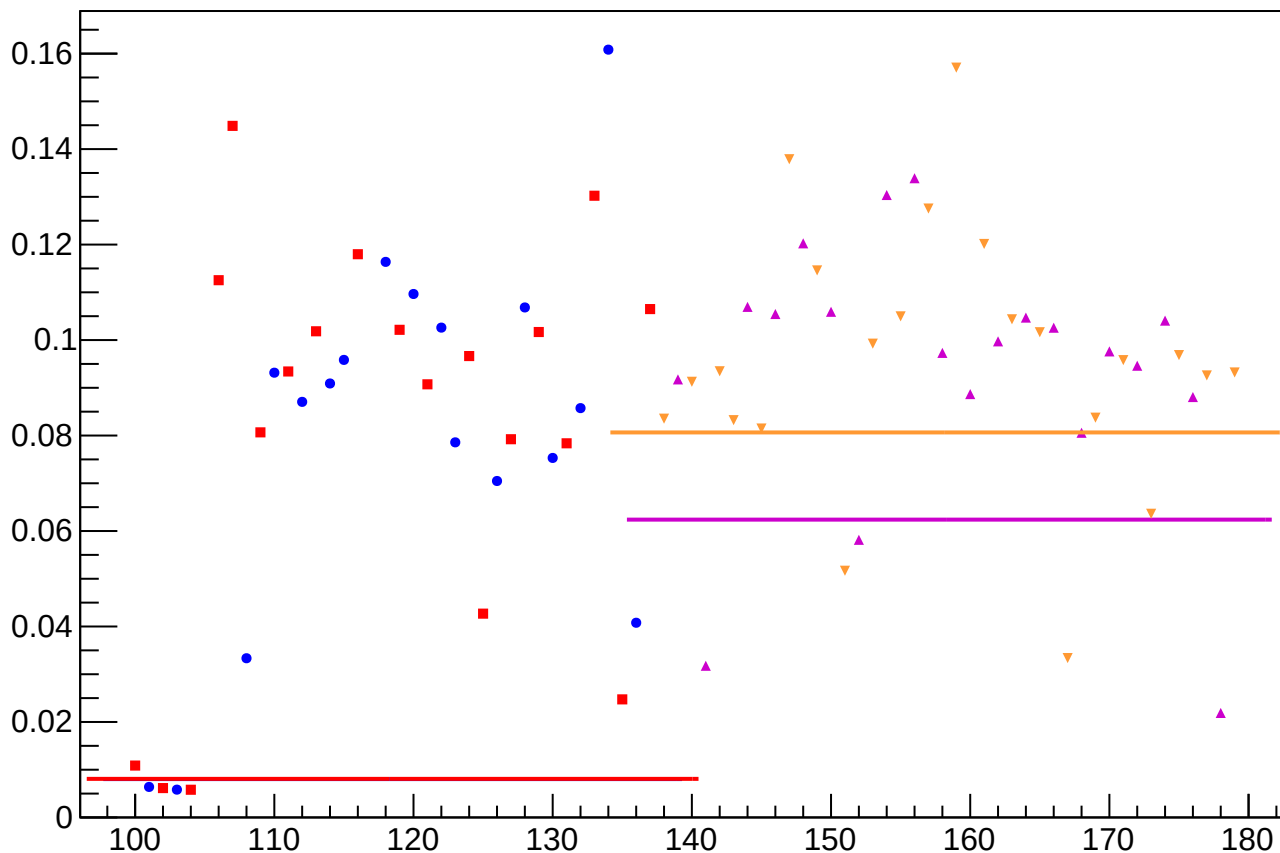
Left In: 0.216+/-0.000 χ^2/NDF : 3059397868.9/19

+ sign 3.073+/-0.000 χ^2/NDF : 21915482158.4/38

All: 3.056+/-0.000 χ^2/NDF : 48727664790.2/79

- sign 3.038+/-0.000 χ^2/NDF : 26794713476.6/38

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.081 $\pm$ 0.000 χ^2 /NDF:3168281.3/21

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

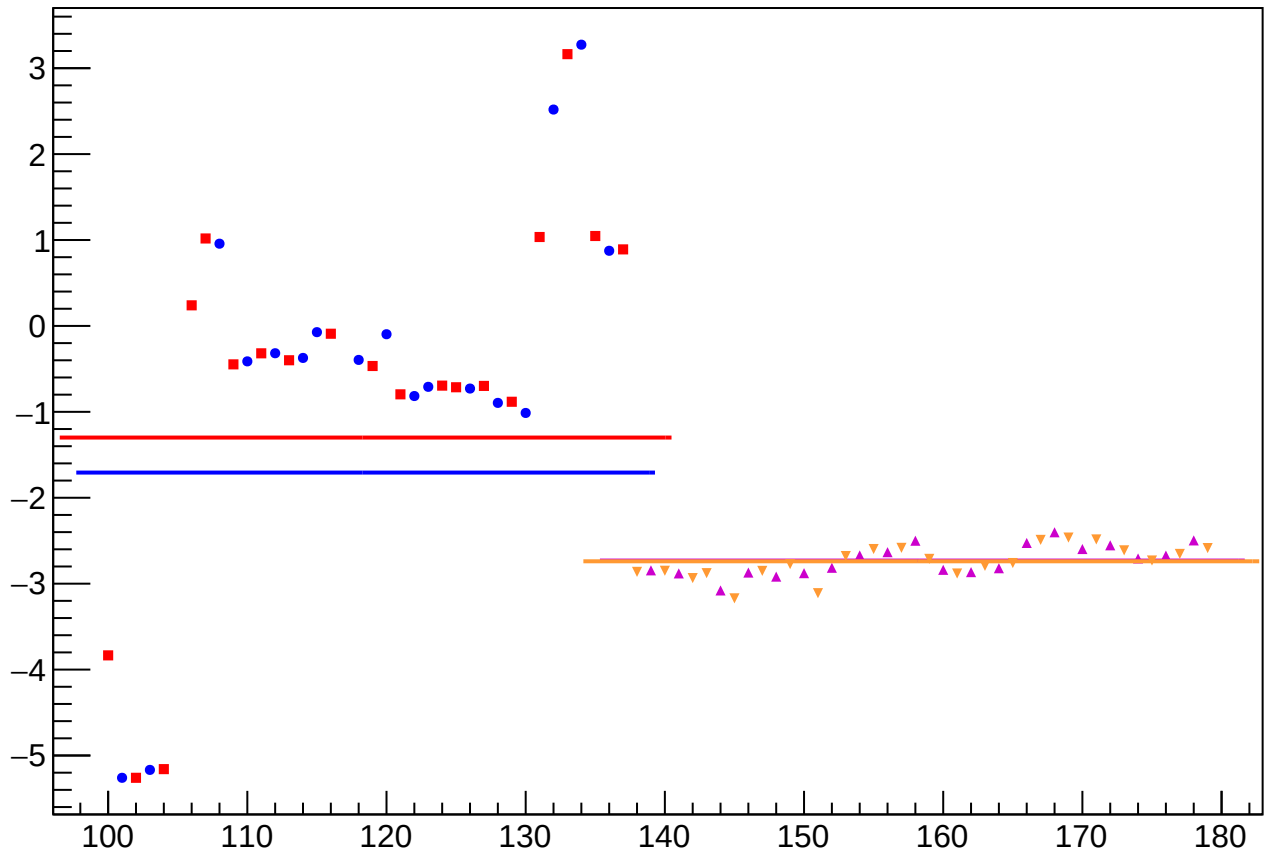
Left In: 0.062 $\pm$ 0.000 χ^2 /NDF:6589296.7/19

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 29989533.1/38

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 57662624.4/77

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 27672901.5/38

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.740+/-0.000 χ^2/NDF : 9075166864.6/21

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

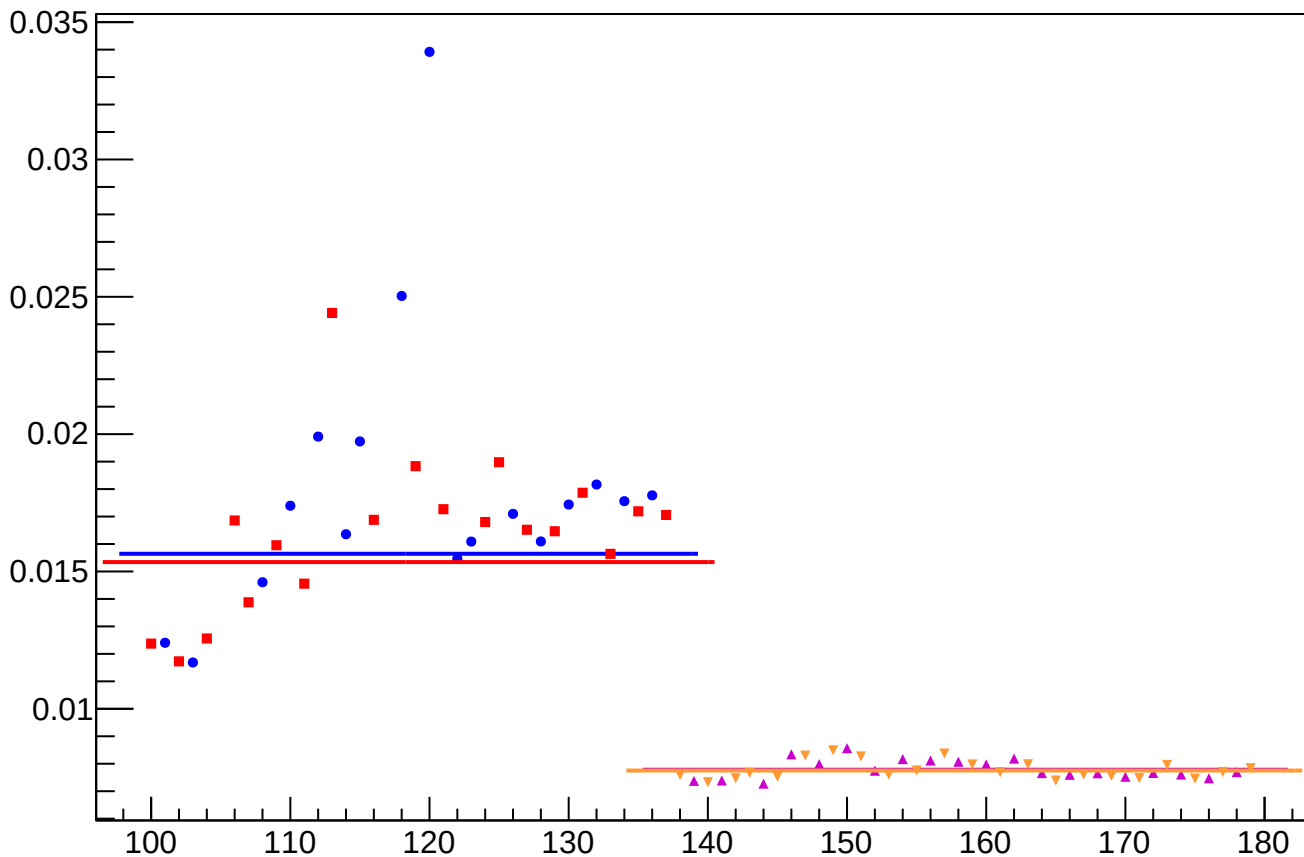
Left In: -2.731+/-0.000 χ^2/NDF : 7858484223.3/19

+ sign -2.657+/-0.000 χ^2/NDF : 197682373457.0/38

All: -2.626+/-0.000 χ^2/NDF : 432919057563.7

- sign -2.592+/-0.000 χ^2/NDF : 234643751305.7/38

yield_bpm0l04X_rms vs Slug



Right In: 0.016 ± 0.000 $\chi^2/\text{NDF}: 578244.3/16$

Left Out: 0.008 ± 0.000 $\chi^2/\text{NDF}: 53141.4/21$

Right Out: 0.015 ± 0.000 $\chi^2/\text{NDF}: 353806.7/18$

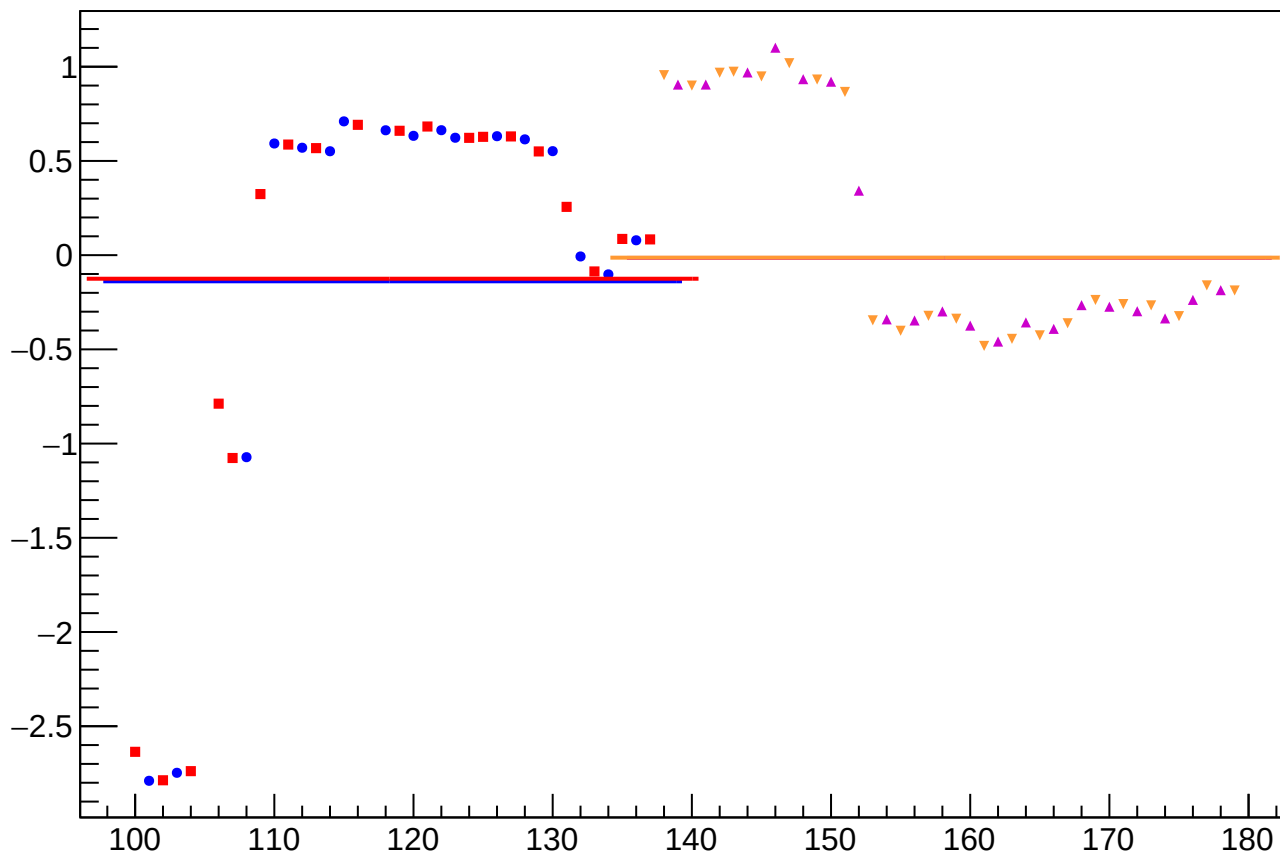
Left In: 0.008 ± 0.000 $\chi^2/\text{NDF}: 58128.5/19$

+ sign 0.008 ± 0.000 $\chi^2/\text{NDF}: 3257212.1/38$

All: 0.008 ± 0.000 $\chi^2/\text{NDF}: 6392570.8/77$

- sign 0.009 ± 0.000 $\chi^2/\text{NDF}: 3130349.2/38$

yield_bpm0l04Y_mean vs Slug



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: -0.013+/-0.000 χ^2/NDF : 132240030520.9/21

Right Out: -0.125+/-0.000 χ^2/NDF : 761496762534.7/18

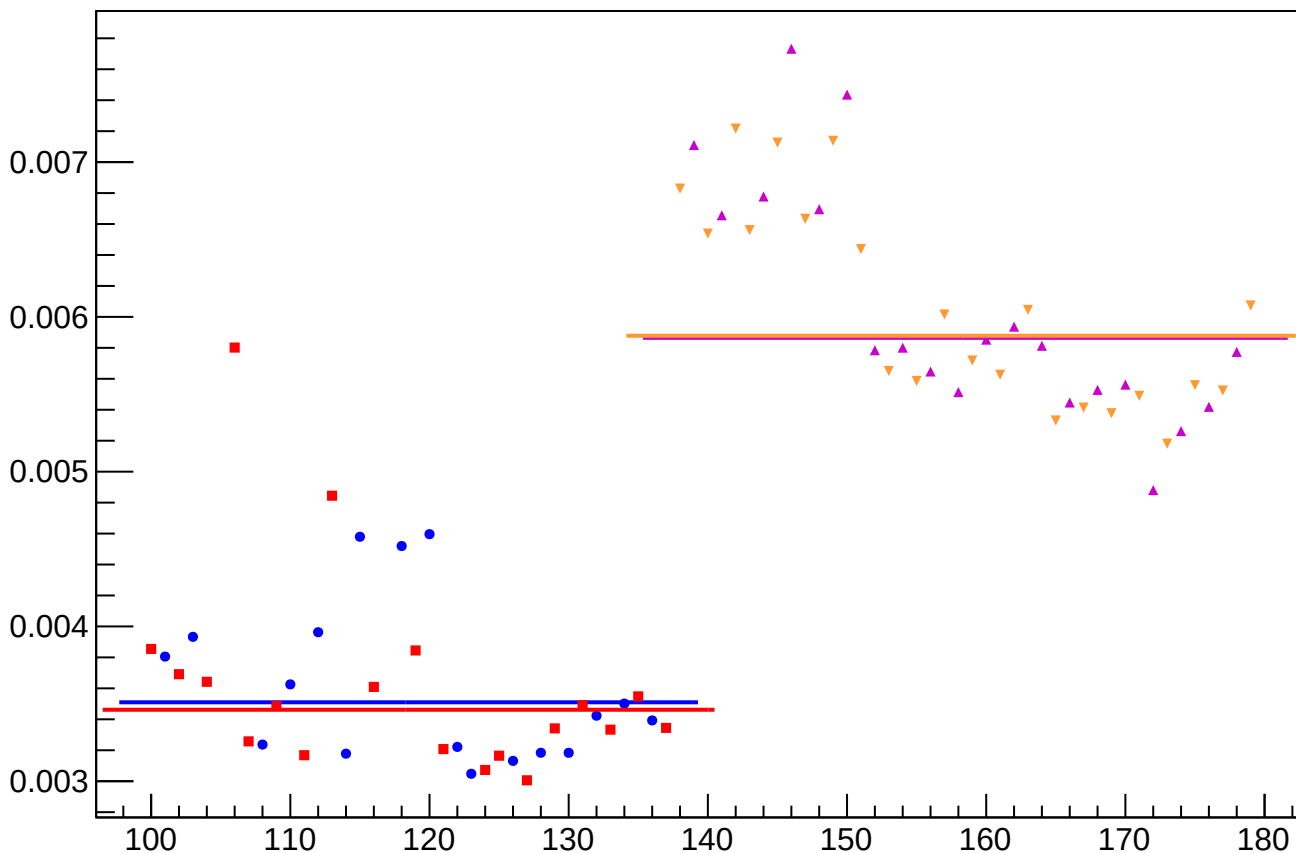
Left In: -0.015+/-0.000 χ^2/NDF : 112500288844.2/19

+ sign -0.081+/-0.000 χ^2/NDF : 851010923796.9/38

All: -0.080+/-0.000 χ^2/NDF : 1727904769992

- sign -0.078+/-0.000 χ^2/NDF : 876890753825.2/38

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 : 282994.8/21

Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

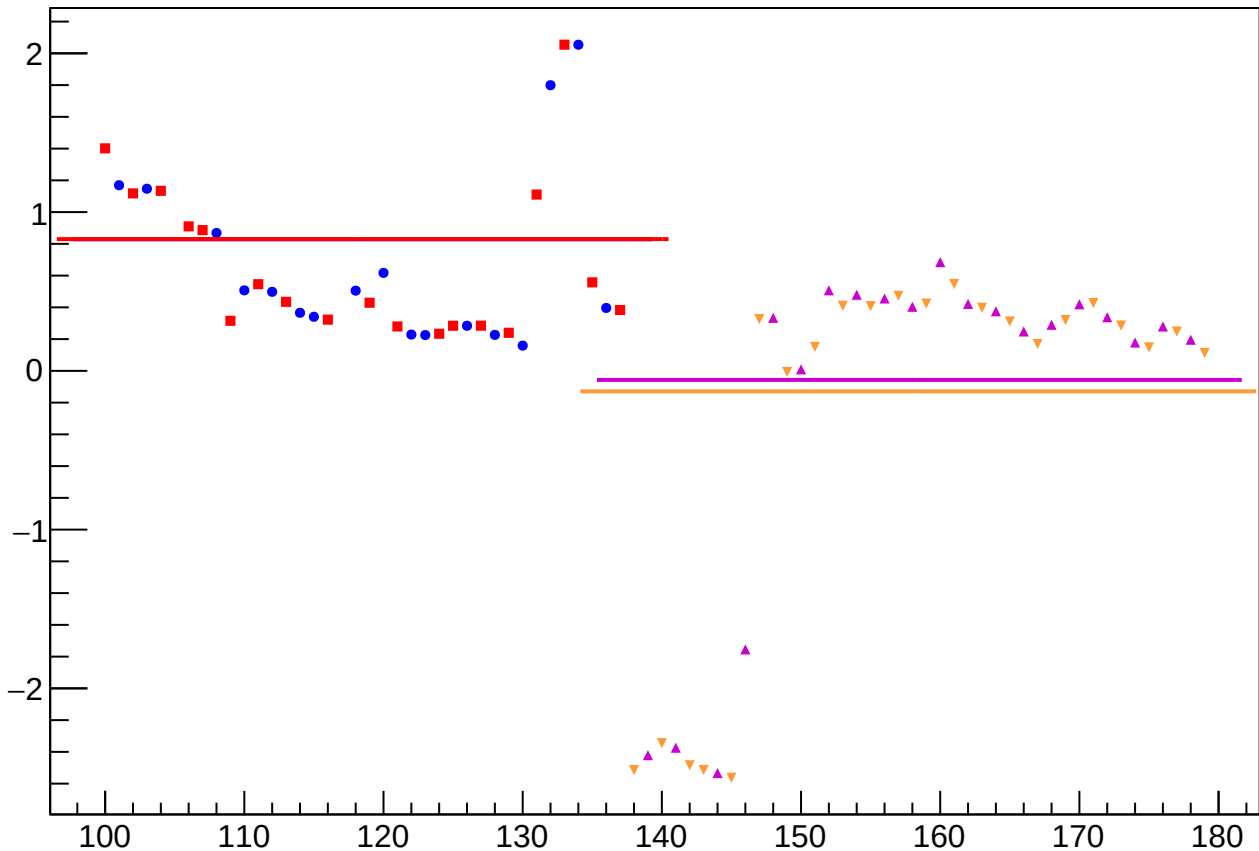
Left In: 0.006+/-0.000 χ^2/NDF : 362815.6/19

+ sign 0.005+/-0.000 χ^2/NDF : 3107507.2/38

All: 0.005+/-0.000 χ^2/NDF : 6448615.6/77

- sign 0.004+/-0.000 χ^2/NDF : 3327010.8/38

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16

Left Out: -0.129+/-0.000 χ^2/NDF : 483641916353.1/21

Right Out: 0.830+/-0.000 χ^2/NDF : 33335665437.8/18

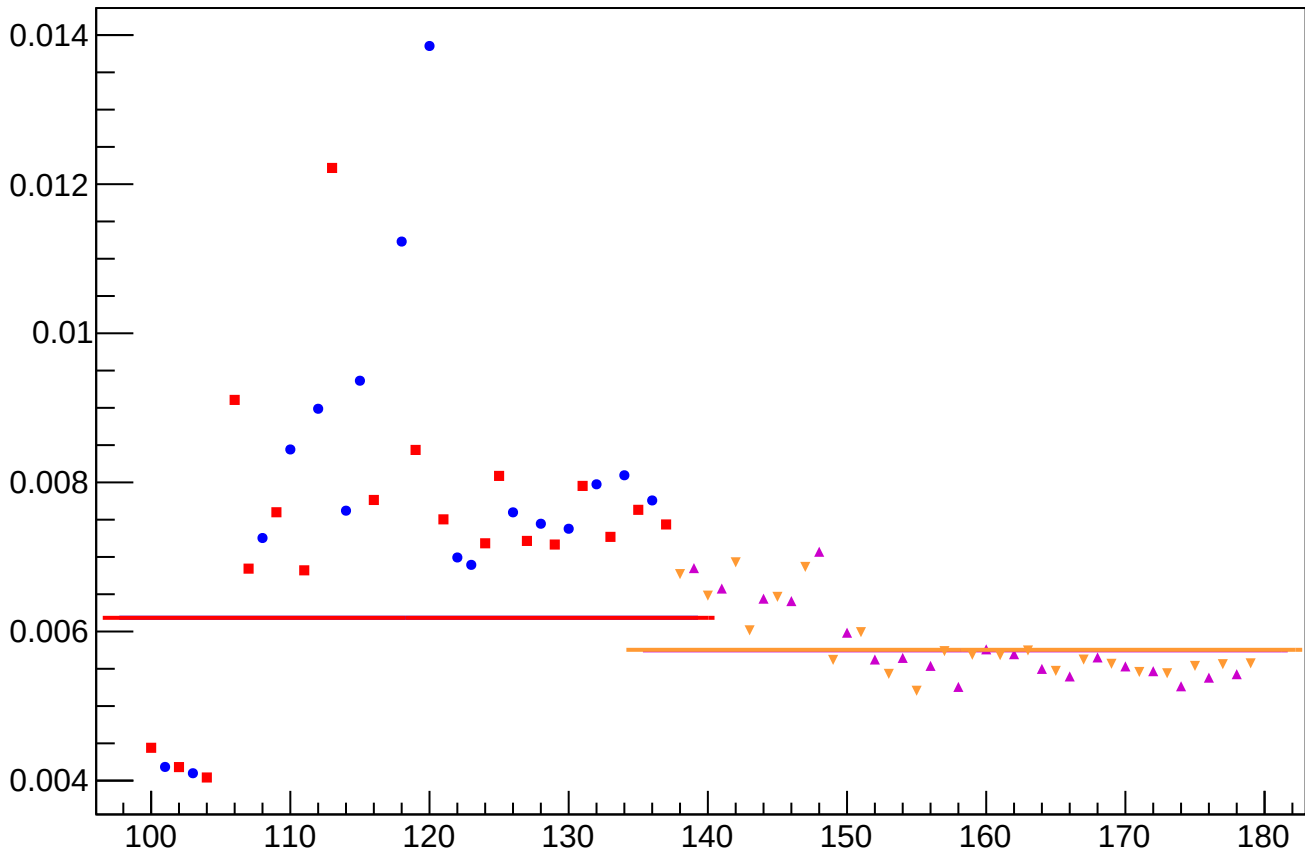
Left In: -0.057+/-0.000 χ^2/NDF : 411320066311.7/19

+ sign 0.091+/-0.000 χ^2/NDF : 613652071543.1/38

All: 0.130+/-0.000 χ^2/NDF : 1149002084860.

- sign 0.171+/-0.000 χ^2/NDF : 533414708159.3/38

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 : 172932.3/21

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

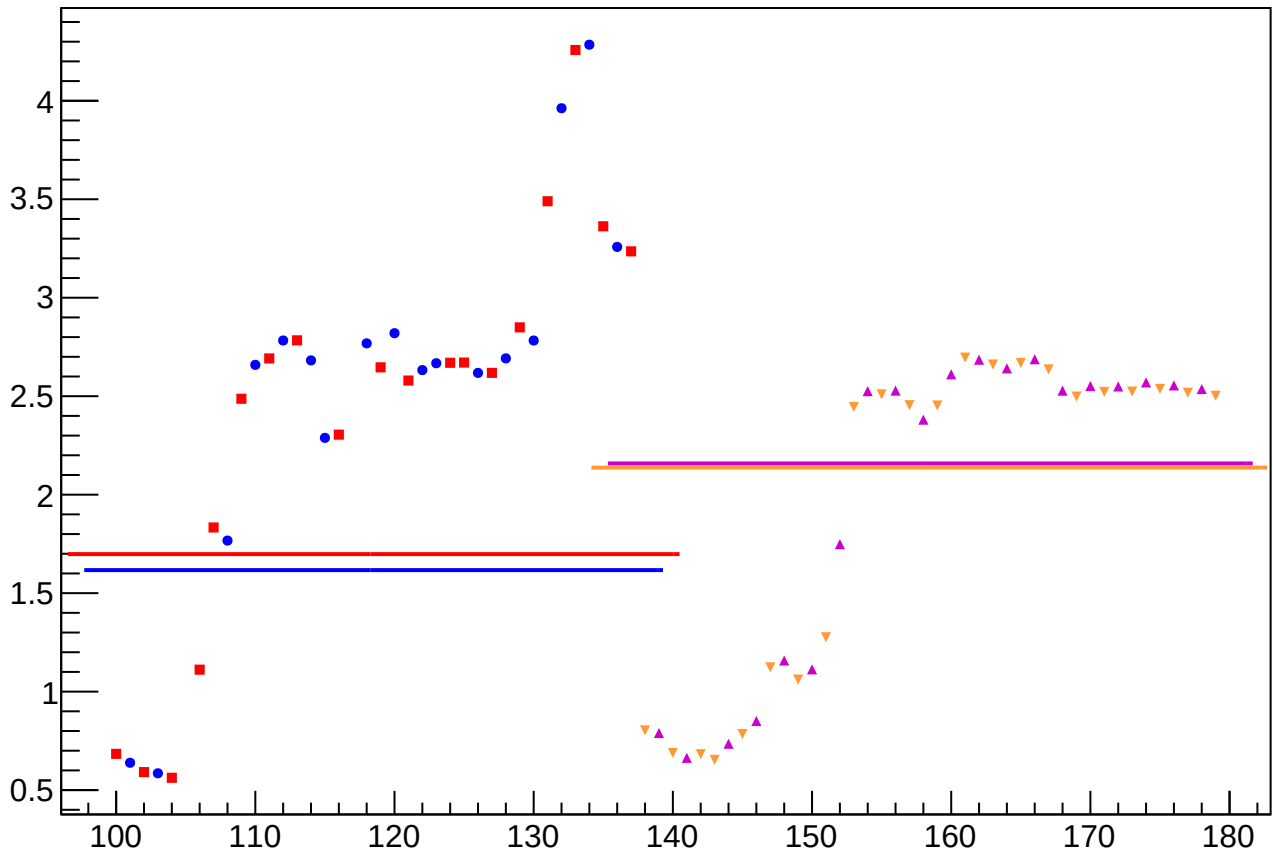
Left In: 0.006+/-0.000 χ^2/NDF : 200978.8/19

+ sign 0.006+/-0.000 χ^2/NDF : 1441540.8/38

All: 0.006+/-0.000 χ^2/NDF : 2712418.6/77

- sign 0.006+/-0.000 χ^2/NDF : 1270856.4/38

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 2.138+/-0.000 χ^2/NDF : 281318261216.3/21

Right Out: 1.698+/-0.000 χ^2/NDF : 227408345801.7/18

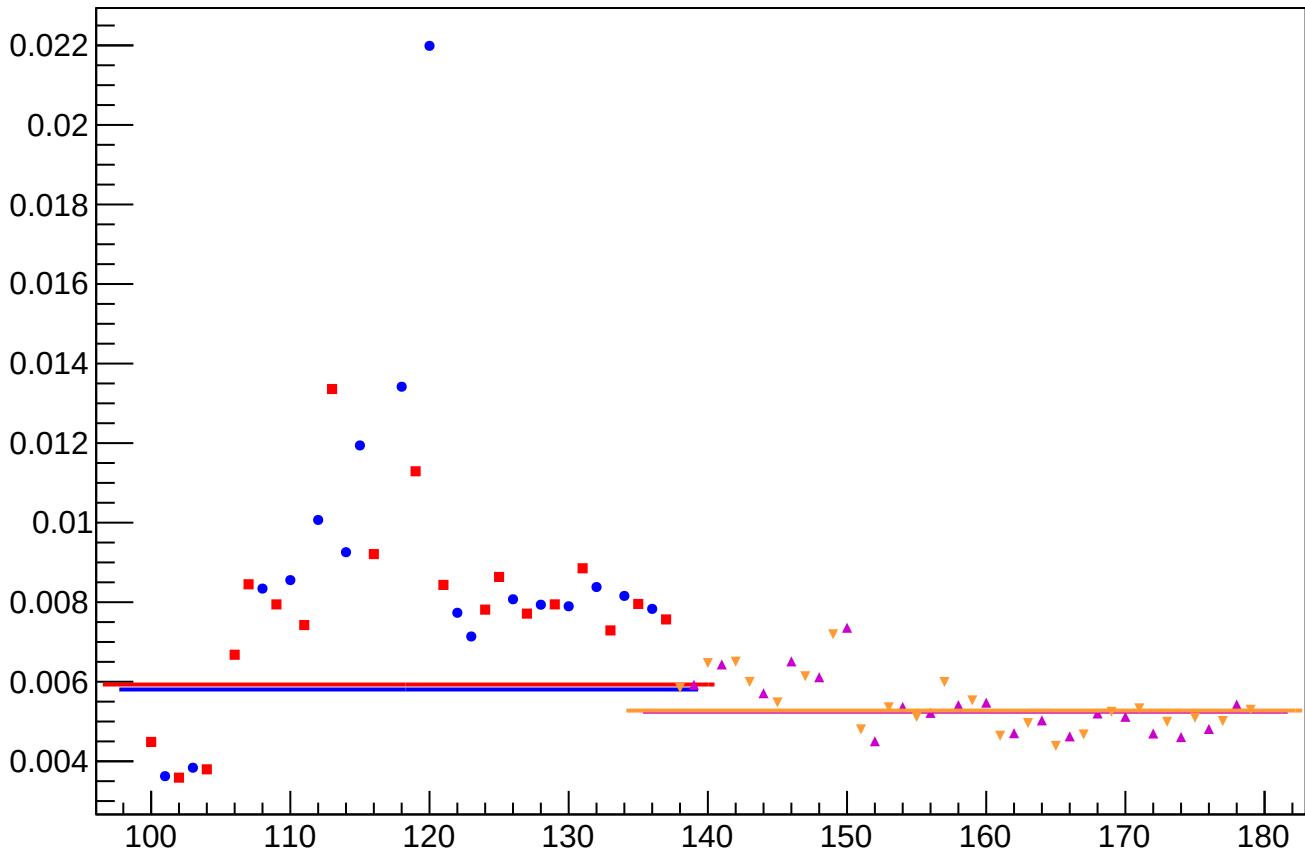
Left In: 2.159+/-0.000 χ^2/NDF : 245723179883.4/19

+ sign 2.028+/-0.000 χ^2/NDF : 514837959072.7/38

All: 2.040+/-0.000 χ^2/NDF : 1013042779043.

- sign 2.053+/-0.000 χ^2/NDF : 497999796463.1/38

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 374523.9/21

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

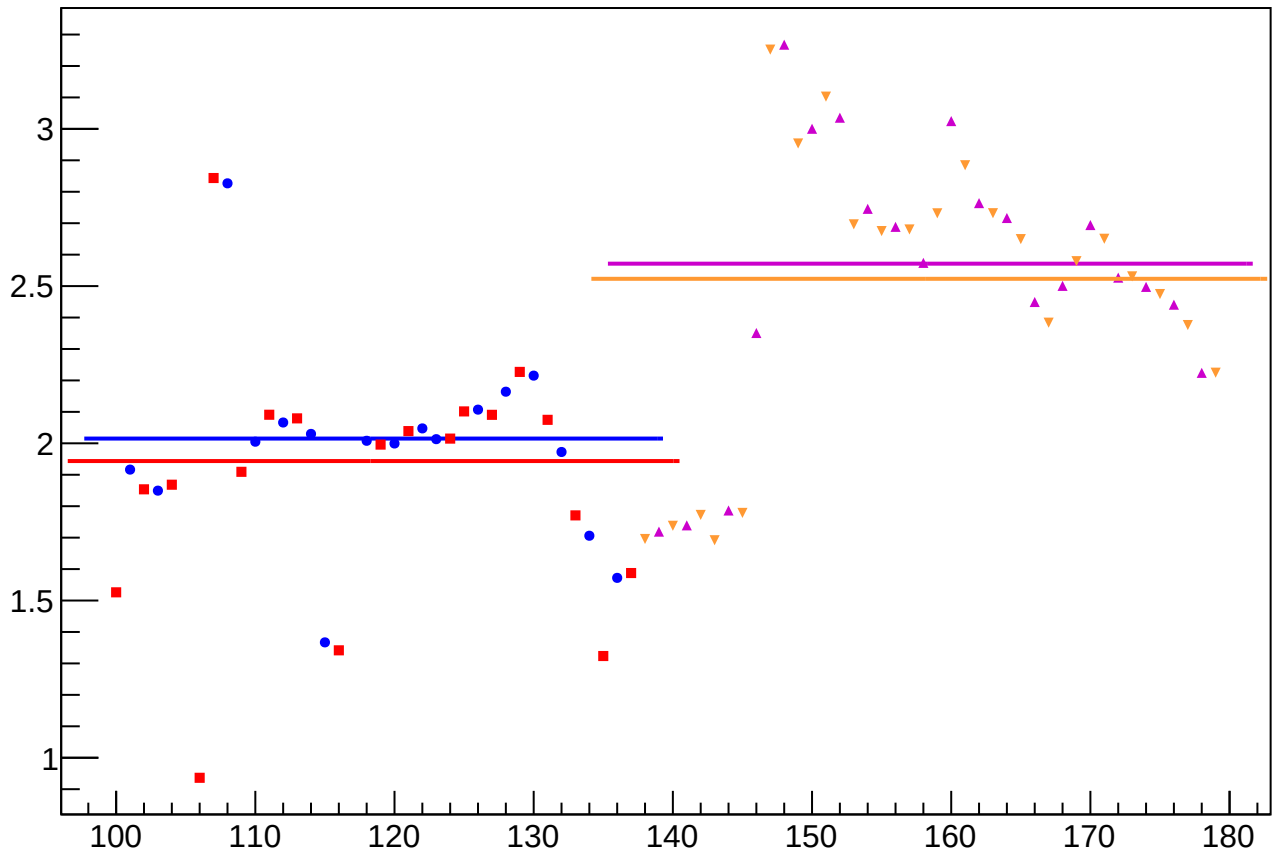
Left In: 0.005+/-0.000 χ^2/NDF : 417933.8/19

+ sign 0.005+/-0.000 χ^2/NDF : 2355939.8/38

All: 0.005+/-0.000 χ^2/NDF : 4569135.3/77

- sign 0.005+/-0.000 χ^2/NDF : 2213002.9/38

yield_bpm0l06X_mean vs Slug



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.523+/-0.000 χ^2/NDF : 50883040686.1/21

Right Out: 1.944+/-0.000 χ^2/NDF : 21427099579.0/18

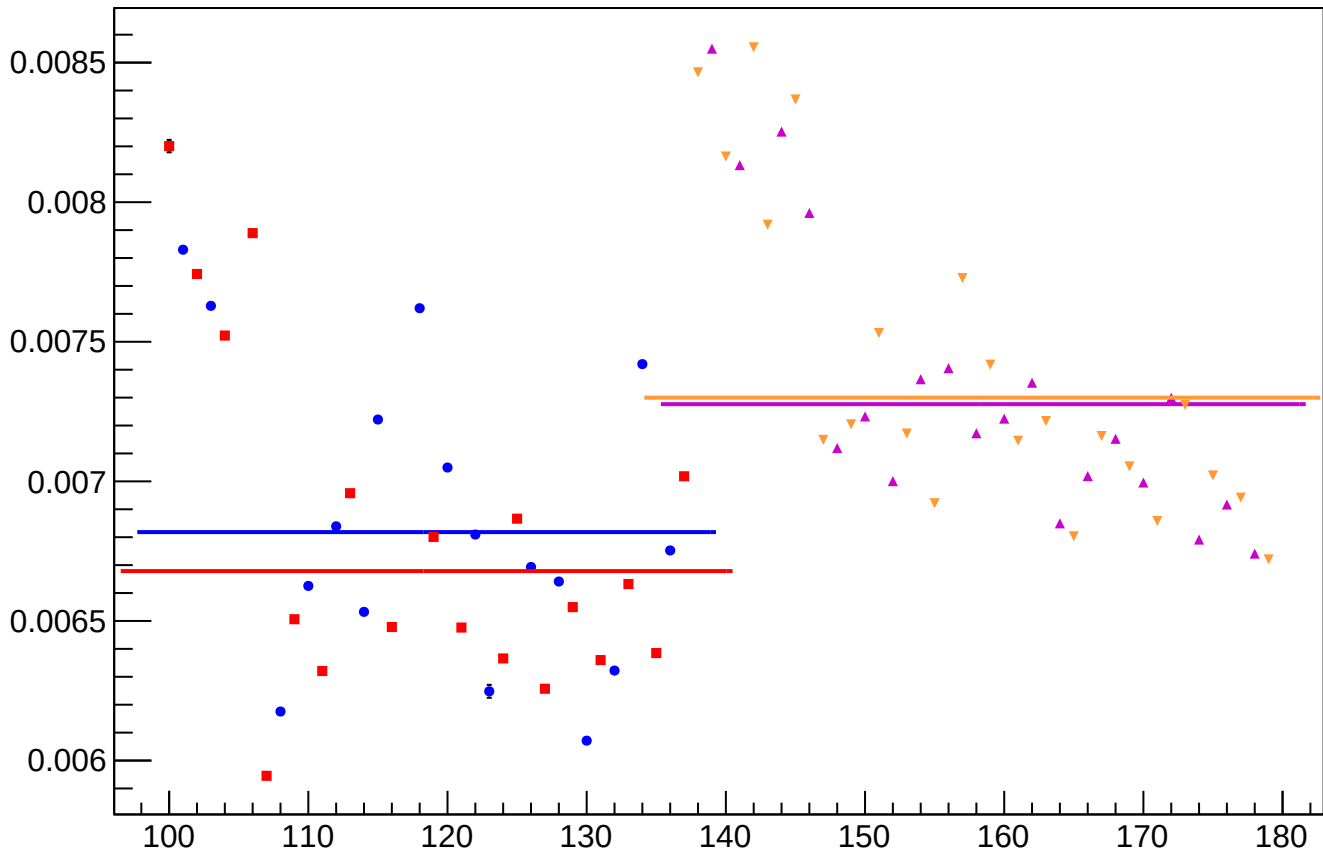
Left In: 2.571+/-0.000 χ^2/NDF : 44006151519.5/19

+ sign 2.362+/-0.000 χ^2/NDF : 87250766889.8/38

All: 2.356+/-0.000 χ^2/NDF : 191519057102.8

- sign 2.350+/-0.000 χ^2/NDF : 104234553528.9/38

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 75813.9/16

Left Out: 0.007+/-0.000 χ^2/NDF :136878.4/21

Right Out: 0.007+/-0.000 χ^2/NDF : 75718.4/18

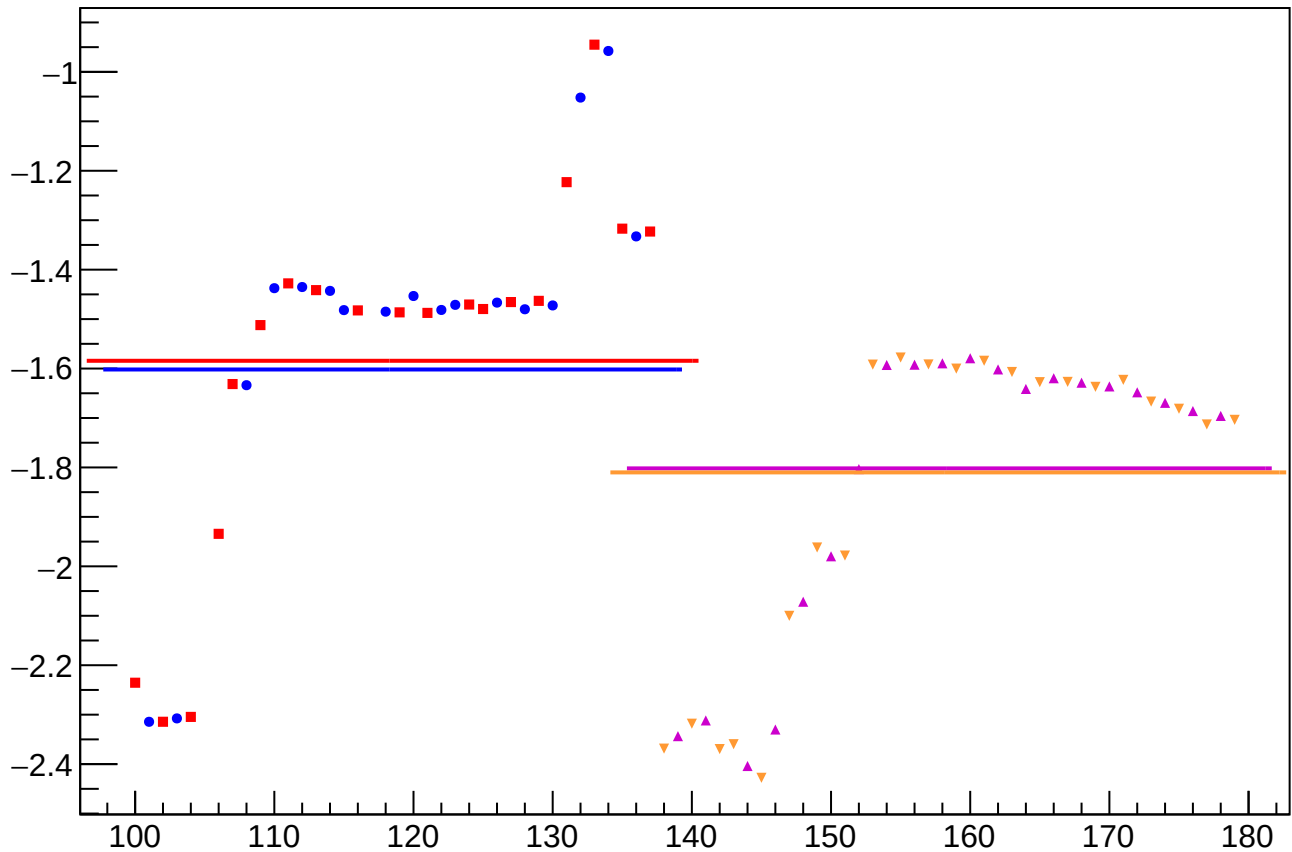
Left In: 0.007+/-0.000 χ^2/NDF :115569.5/19

+ sign 0.007+/-0.000 χ^2/NDF : 256063.6/38

All: 0.007+/-0.000 χ^2/NDF : 520652.9/77

- sign 0.007+/-0.000 χ^2/NDF : 261701.9/38

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -1.810+/-0.000 χ^2/NDF : 177395794295.1/21

Right Out: -1.584+/-0.000 χ^2/NDF : 143578606614.3/18

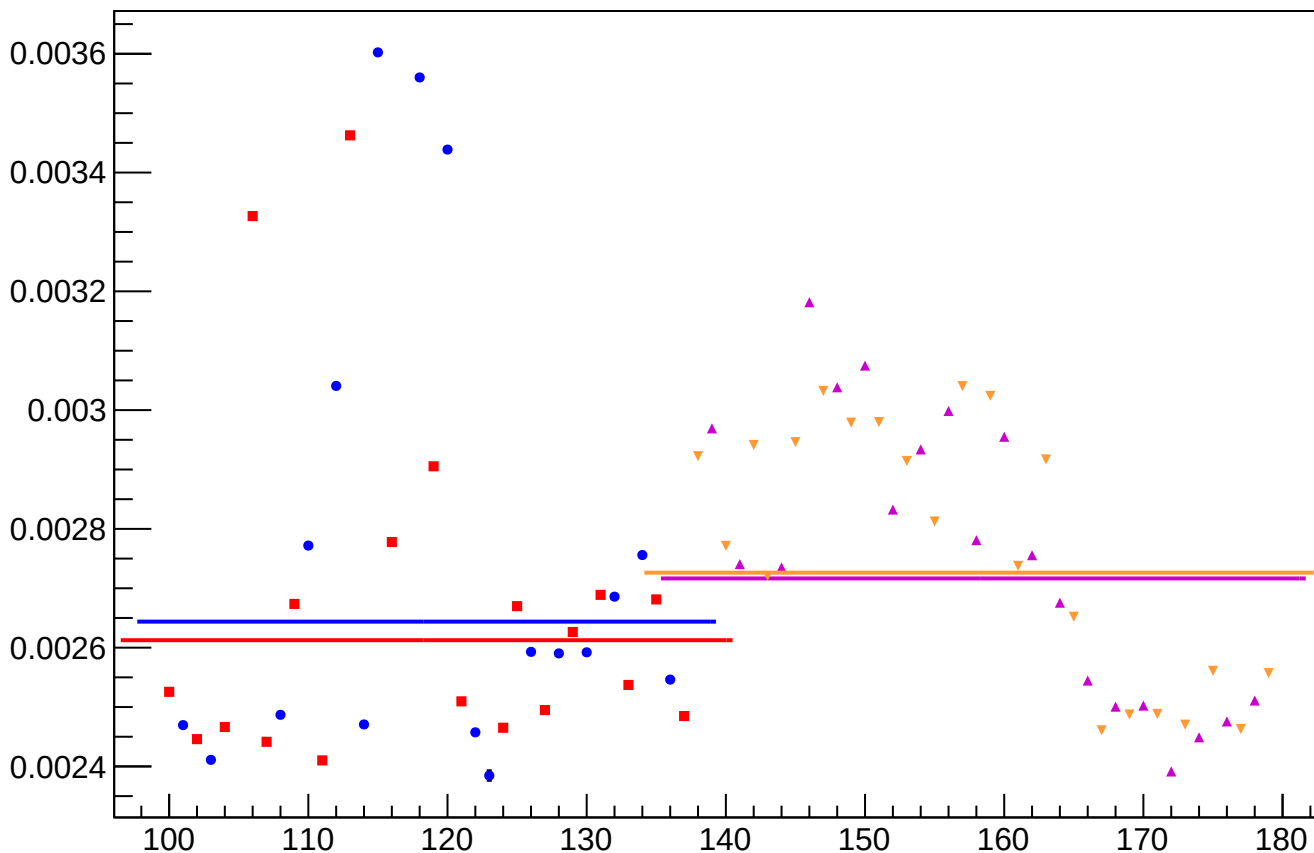
Left In: -1.802+/-0.000 χ^2/NDF : 157240285727.9/19

+ sign -1.748+/-0.000 χ^2/NDF : 344919397556.8/38

All: -1.739+/-0.000 χ^2/NDF : 677304515077.5

- sign -1.730+/-0.000 χ^2/NDF : 331921963372.2/38

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 :192809.2/21

Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

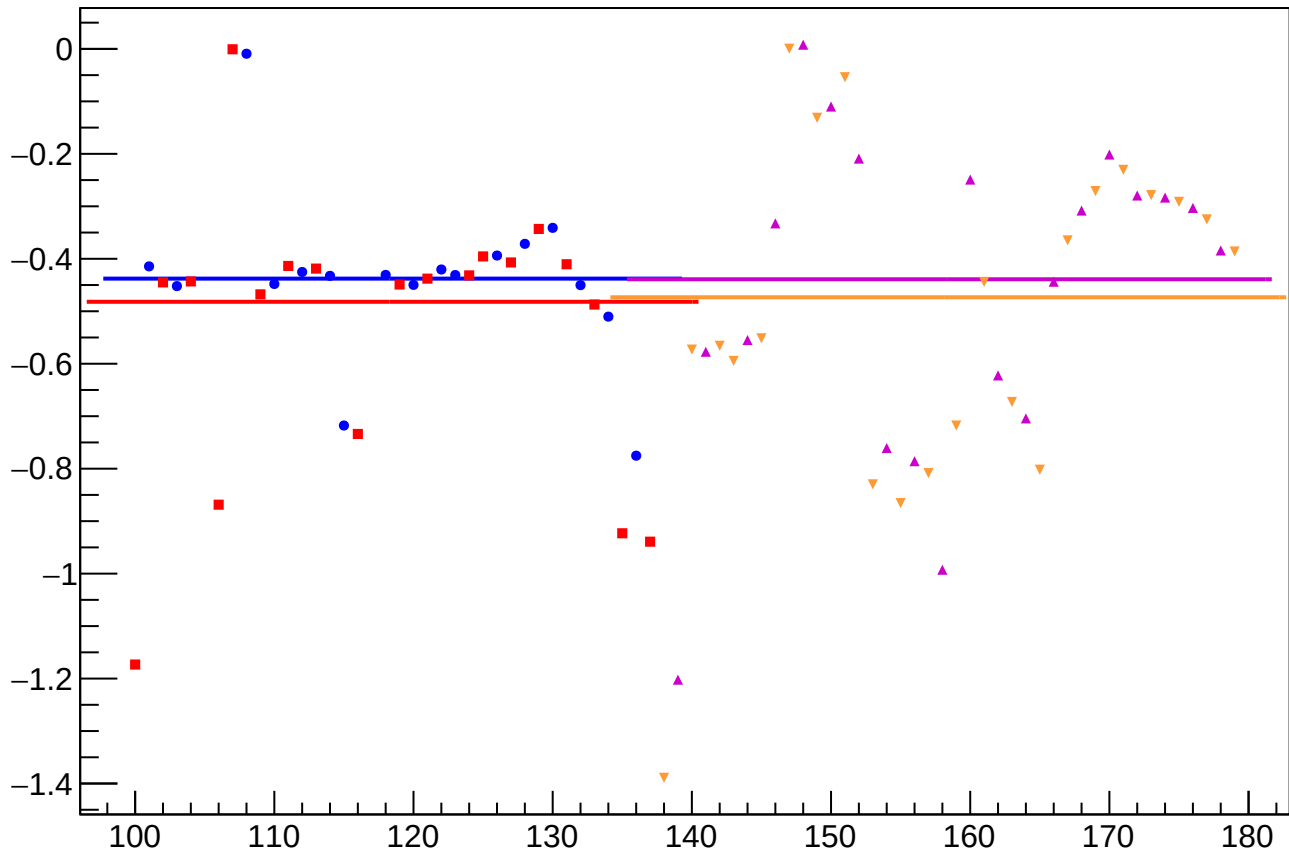
Left In: 0.003+/-0.000 χ^2/NDF :210791.5/19

+ sign 0.003+/-0.000 χ^2/NDF : 352767.5/38

All: 0.003+/-0.000 χ^2/NDF : 684183.1/77

- sign 0.003+/-0.000 χ^2/NDF : 330296.5/38

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2 /NDF: 1462454117.6/16

Left Out: -0.473+/-0.000 χ^2 /NDF: 9654388038.9/21

Right Out: -0.482+/-0.000 χ^2 /NDF: 2694625740.7/18

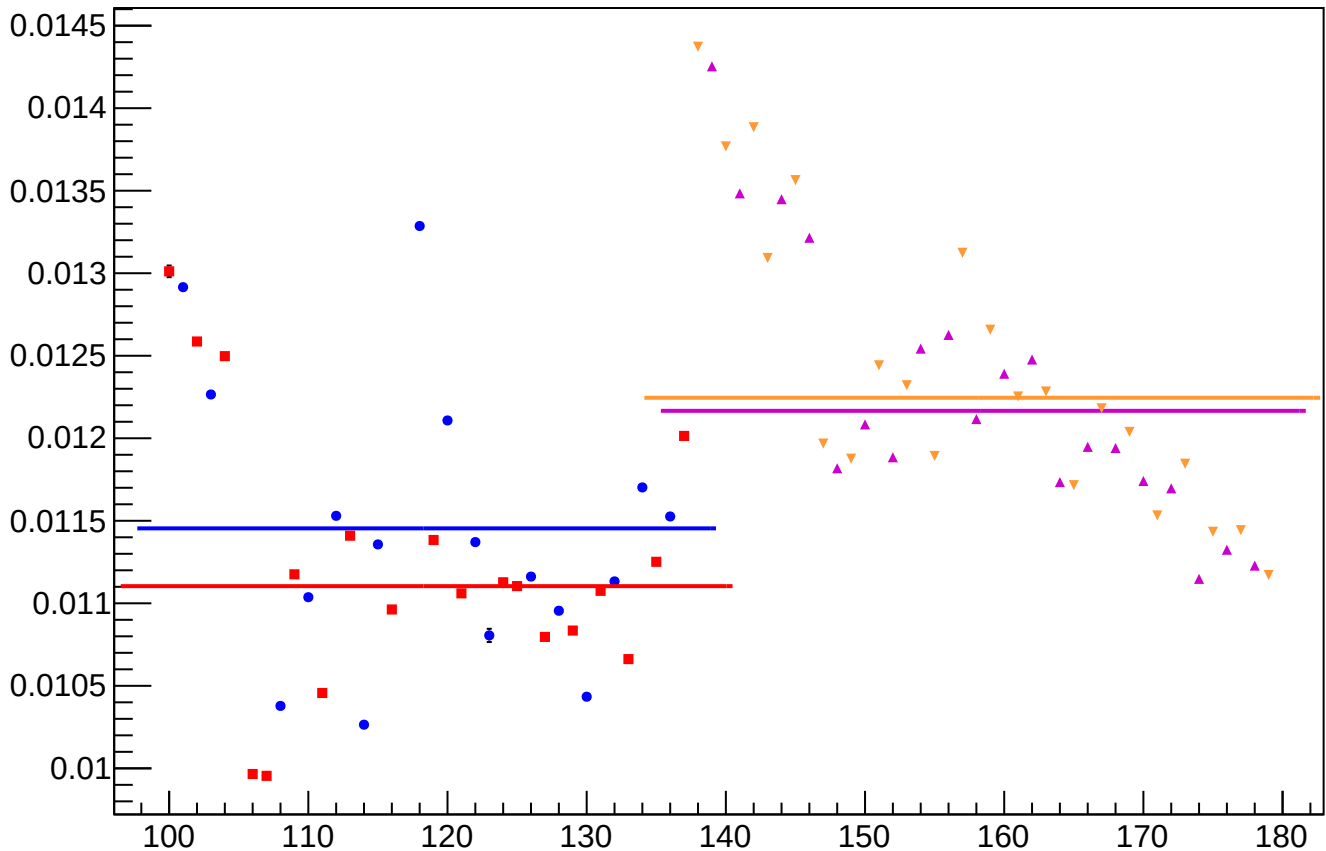
Left In: -0.439+/-0.000 χ^2 /NDF: 8281185415.0/19

+ sign -0.462+/-0.000 χ^2 /NDF: 11159310749.3/38

All: -0.458+/-0.000 χ^2 /NDF: 22205721923.2/38

- sign -0.454+/-0.000 χ^2 /NDF: 11041999637.0/38

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 :129783.0/21

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

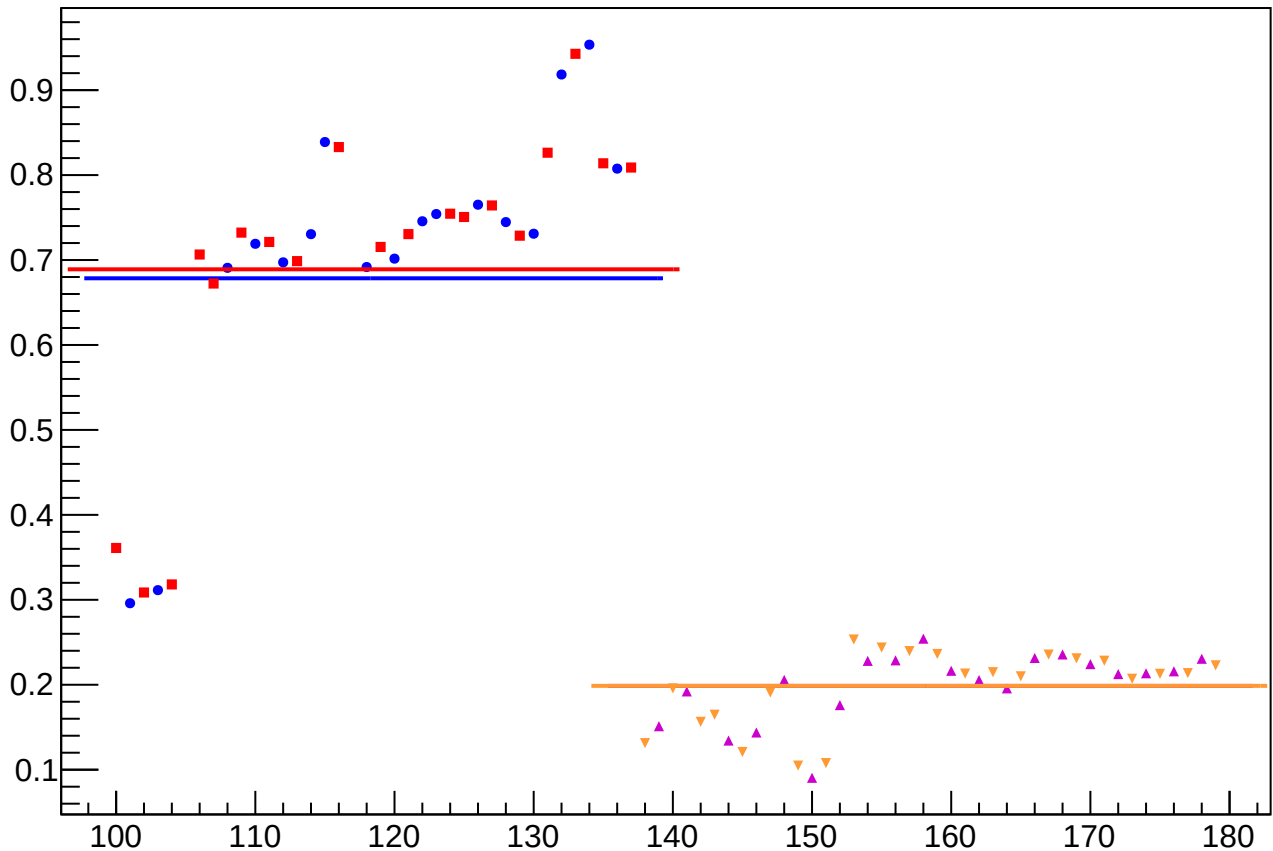
Left In: 0.012+/-0.000 χ^2/NDF :112242.8/19

+ sign 0.012+/-0.000 χ^2/NDF : 236580.1/38

All: 0.012+/-0.000 χ^2/NDF : 492951.3/77

- sign 0.012+/-0.000 χ^2/NDF : 249509.3/38

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.199 $\pm$ 0.000 χ^2 /NDF: 6766762594.7/21

+ sign 0.305 $\pm$ 0.000 χ^2 /NDF: 227256432228.5/38

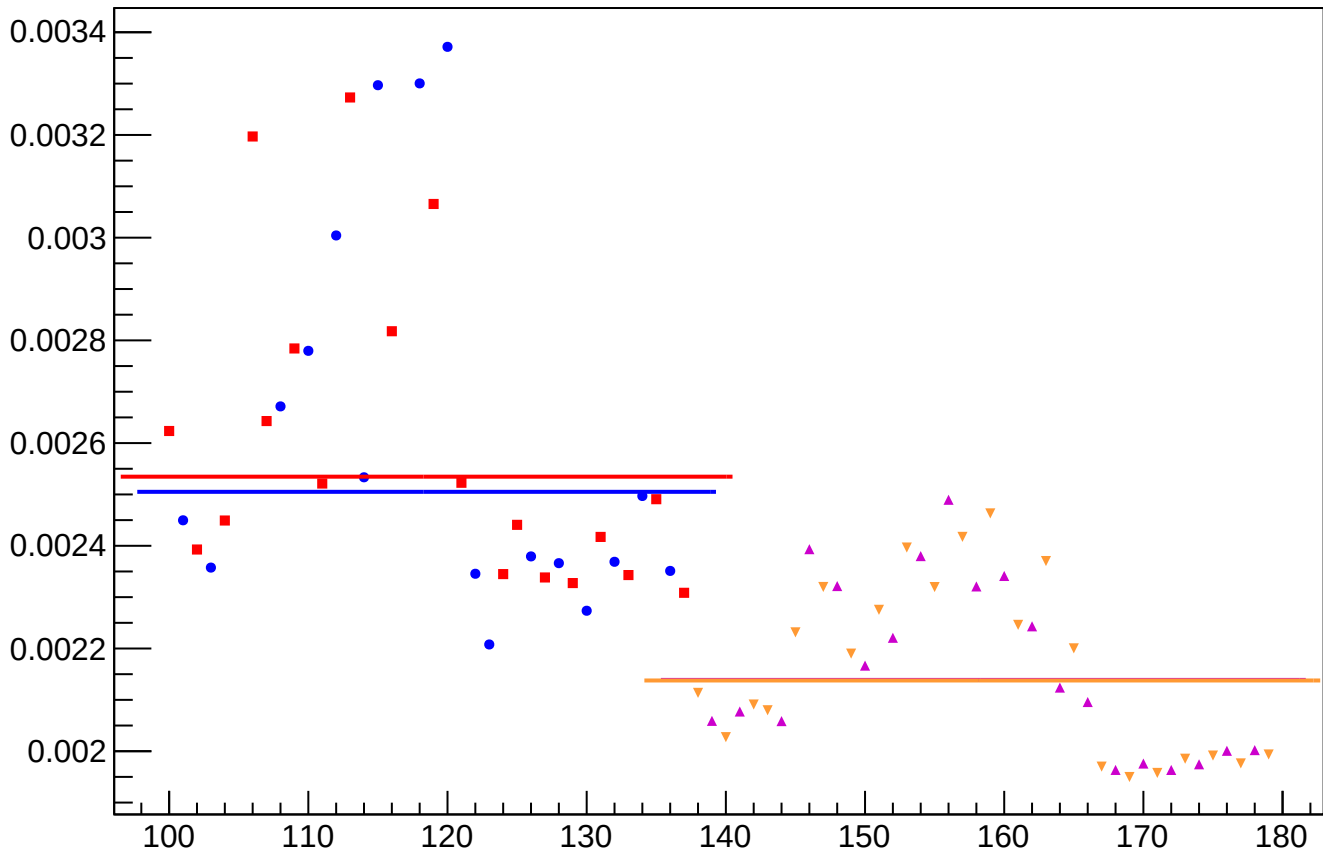
Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

All: 0.310 $\pm$ 0.000 χ^2 /NDF: 459419666106.4

Left In: 0.199 $\pm$ 0.000 χ^2 /NDF: 5509430573.4/19

- sign 0.316 $\pm$ 0.000 χ^2 /NDF: 231902198640.0/38

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 :196113.8/21

Right Out: 0.003+/-0.000 χ^2/NDF : 131609.0/18

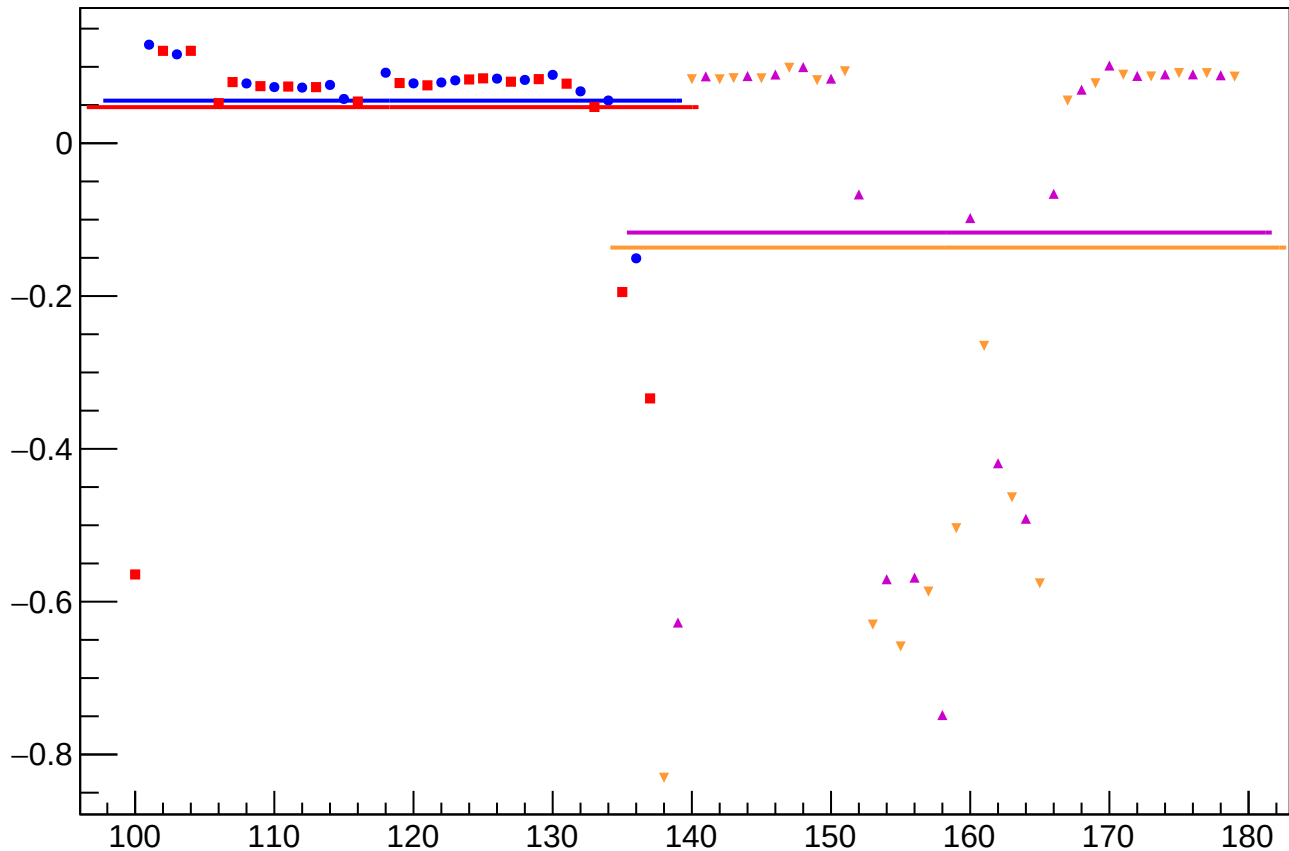
Left In: 0.002+/-0.000 χ^2/NDF :169725.6/19

+ sign 0.002+/-0.000 χ^2/NDF : 585021.0/38

All: 0.002+/-0.000 χ^2/NDF : 1136039.6/77

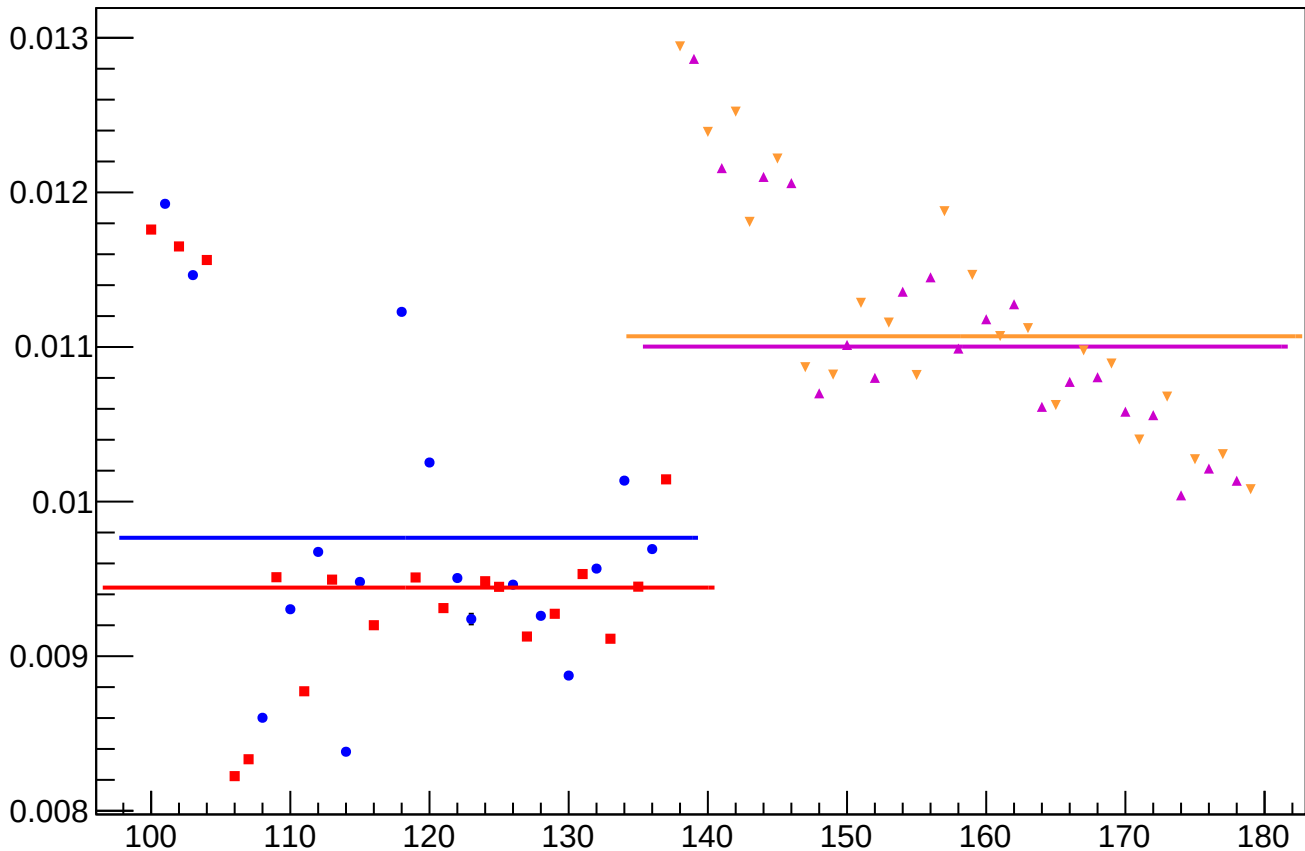
- sign 0.002+/-0.000 χ^2/NDF : 550106.2/38

yield_bpm0l08X_mean vs Slug



Right In: 0.056 $\pm$ 0.000	χ^2 /NDF: 423003688.1/16	+ sign -0.071 $\pm$ 0.000	χ^2 /NDF: 15044153450.2/38
Left Out: -0.137 $\pm$ 0.000	χ^2 /NDF: 12981241745.3/21	All: -0.062 $\pm$ 0.000	χ^2 /NDF: 27624367694.2/38
Right Out: 0.047 $\pm$ 0.000	χ^2 /NDF: 819588537.2/18	- sign -0.053 $\pm$ 0.000	χ^2 /NDF: 12550135646.9/38
Left In: -0.117 $\pm$ 0.000	χ^2 /NDF: 10454505821.3/19		

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 :128454.1/21

Right Out: 0.009+/-0.000 χ^2/NDF : 110693.8/18

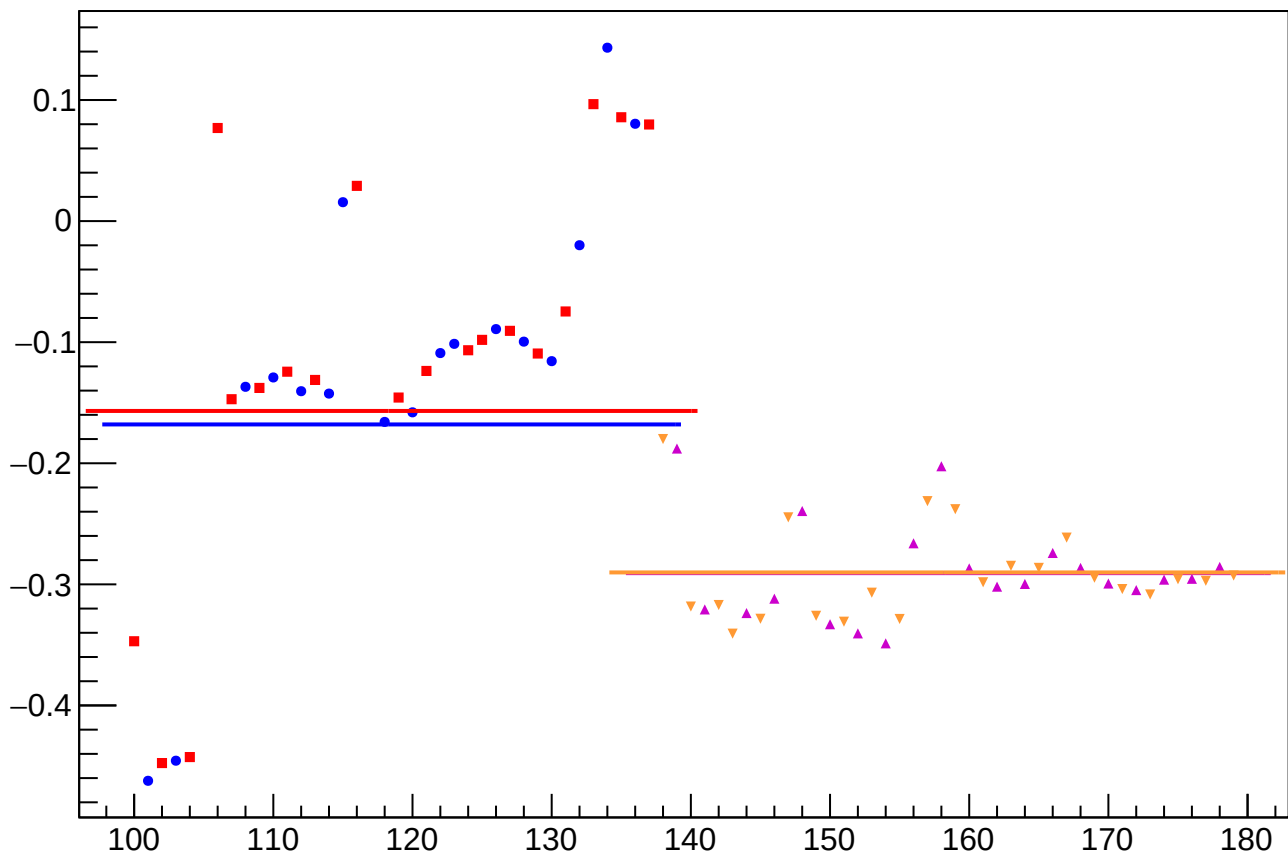
Left In: 0.011+/-0.000 χ^2/NDF :114254.8/19

+ sign 0.011+/-0.000 χ^2/NDF : 395772.2/38

All: 0.011+/-0.000 χ^2/NDF : 860929.3/77

- sign 0.010+/-0.000 χ^2/NDF : 455155.0/38

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 : 2857329916.3/21

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

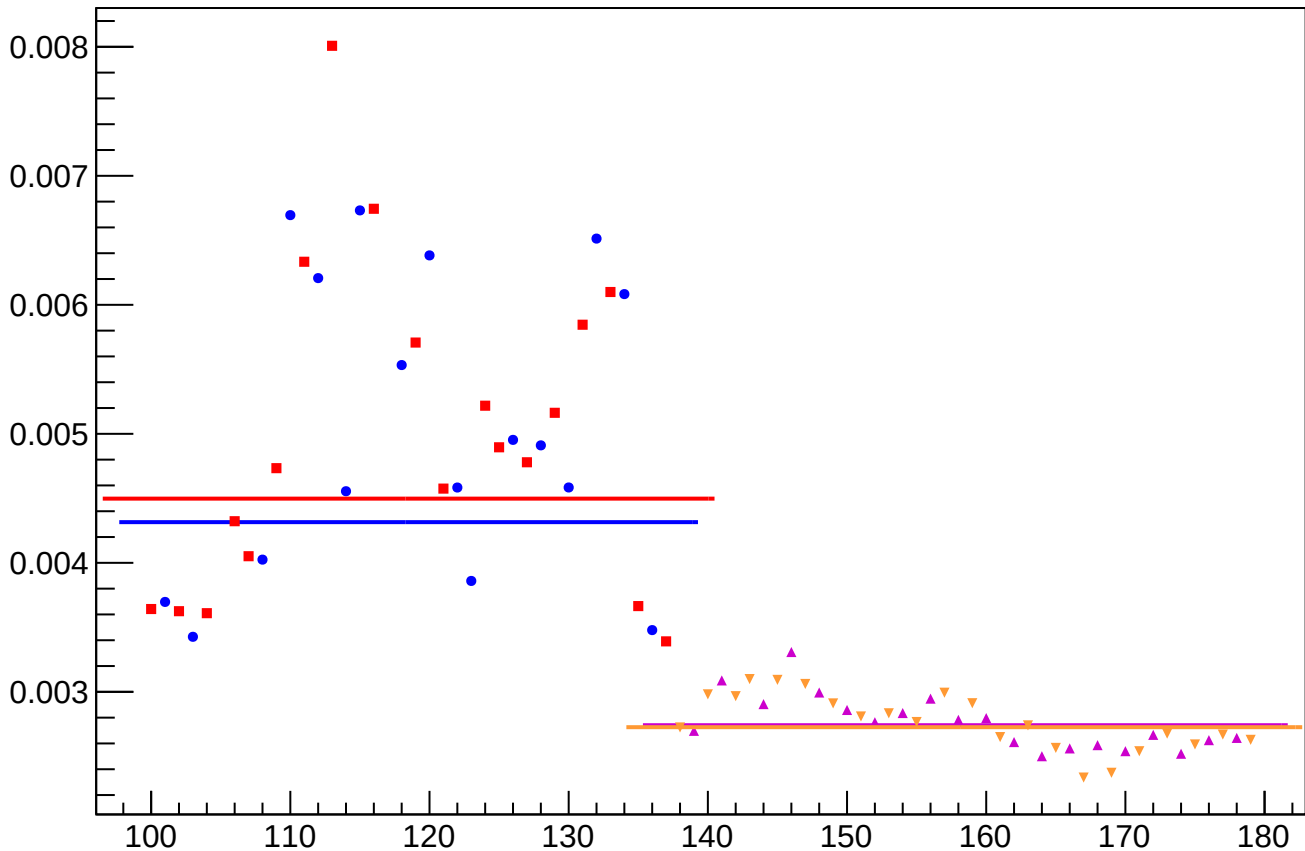
Left In: -0.291+/-0.000 χ^2/NDF : 3122889674.2/19

+ sign -0.275+/-0.000 χ^2/NDF : 19253694520.7/38

All: -0.274+/-0.000 χ^2/NDF : 38178028104.5/38

- sign -0.273+/-0.000 χ^2/NDF : 18919813081.1/38

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 619744.7/16

Left Out: 0.003+/-0.000 χ^2/NDF :198810.9/21

Right Out: 0.004+/-0.000 χ^2/NDF : 649708.4/18

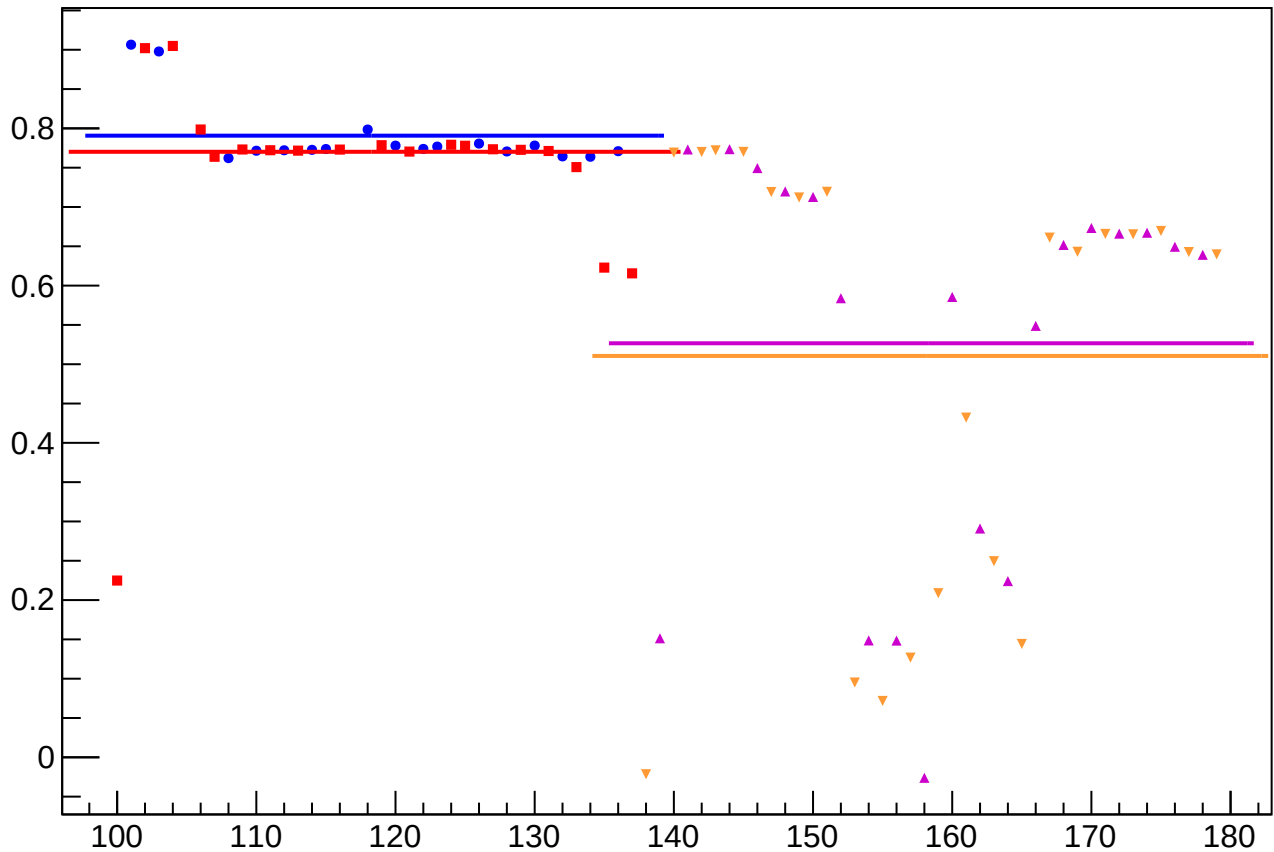
Left In: 0.003+/-0.000 χ^2/NDF :142935.4/19

+ sign 0.003+/-0.000 χ^2/NDF : 2193341.1/38

All: 0.003+/-0.000 χ^2/NDF : 4632213.6/77

- sign 0.003+/-0.000 χ^2/NDF : 2432875.0/38

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.511 $\pm$ 0.000 χ^2 /NDF: 9359790411.4/21

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375442189.7/18

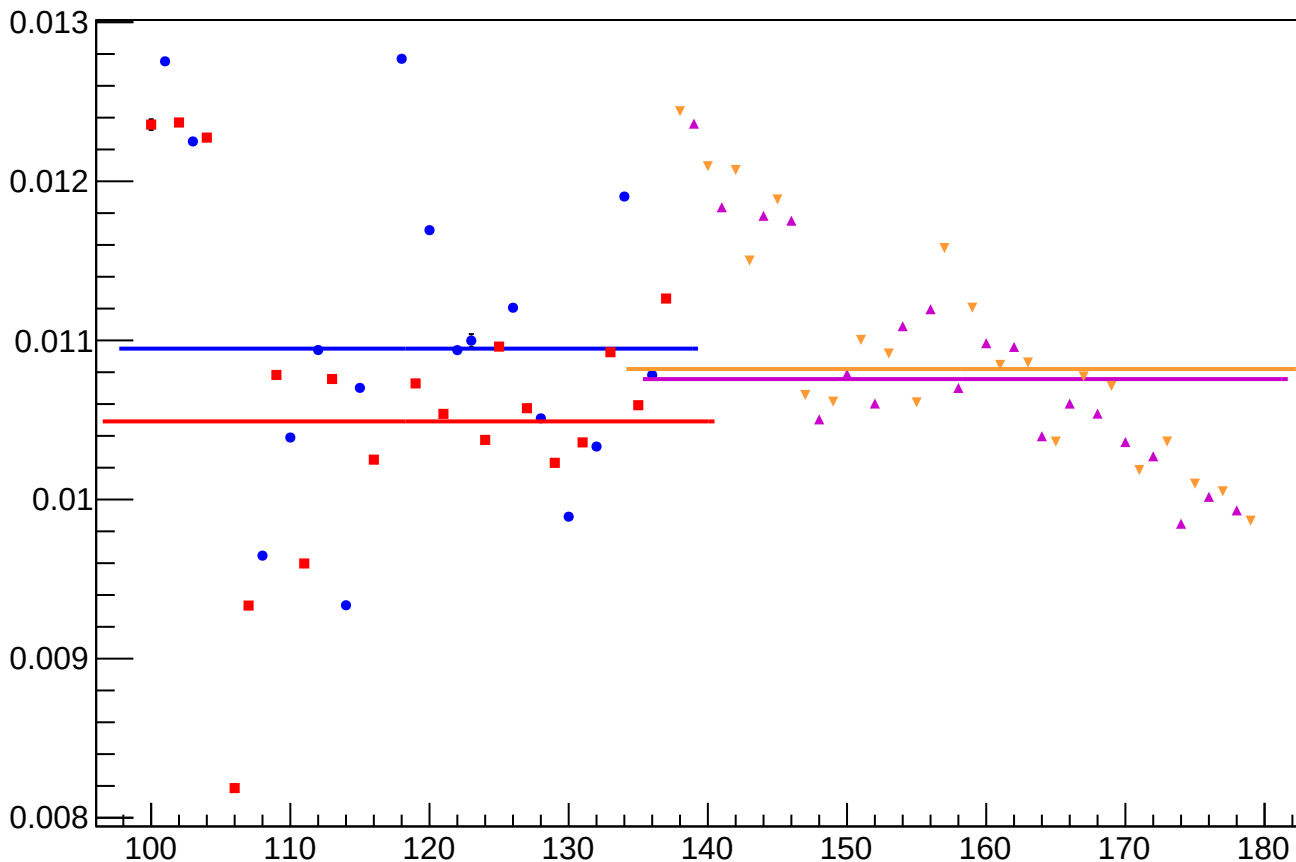
Left In: 0.527 $\pm$ 0.000 χ^2 /NDF: 7680599958.3/19

+ sign 0.590 $\pm$ 0.000 χ^2 /NDF: 12491925944.8/38

All: 0.598 $\pm$ 0.000 χ^2 /NDF: 23073699937.2/7

- sign 0.607 $\pm$ 0.000 χ^2 /NDF: 10555251390.2/38

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 98551.4/16

Left Out: 0.011+/-0.000 χ^2/NDF : 117385.5/21

Right Out: 0.010+/-0.000 χ^2/NDF : 119420.8/18

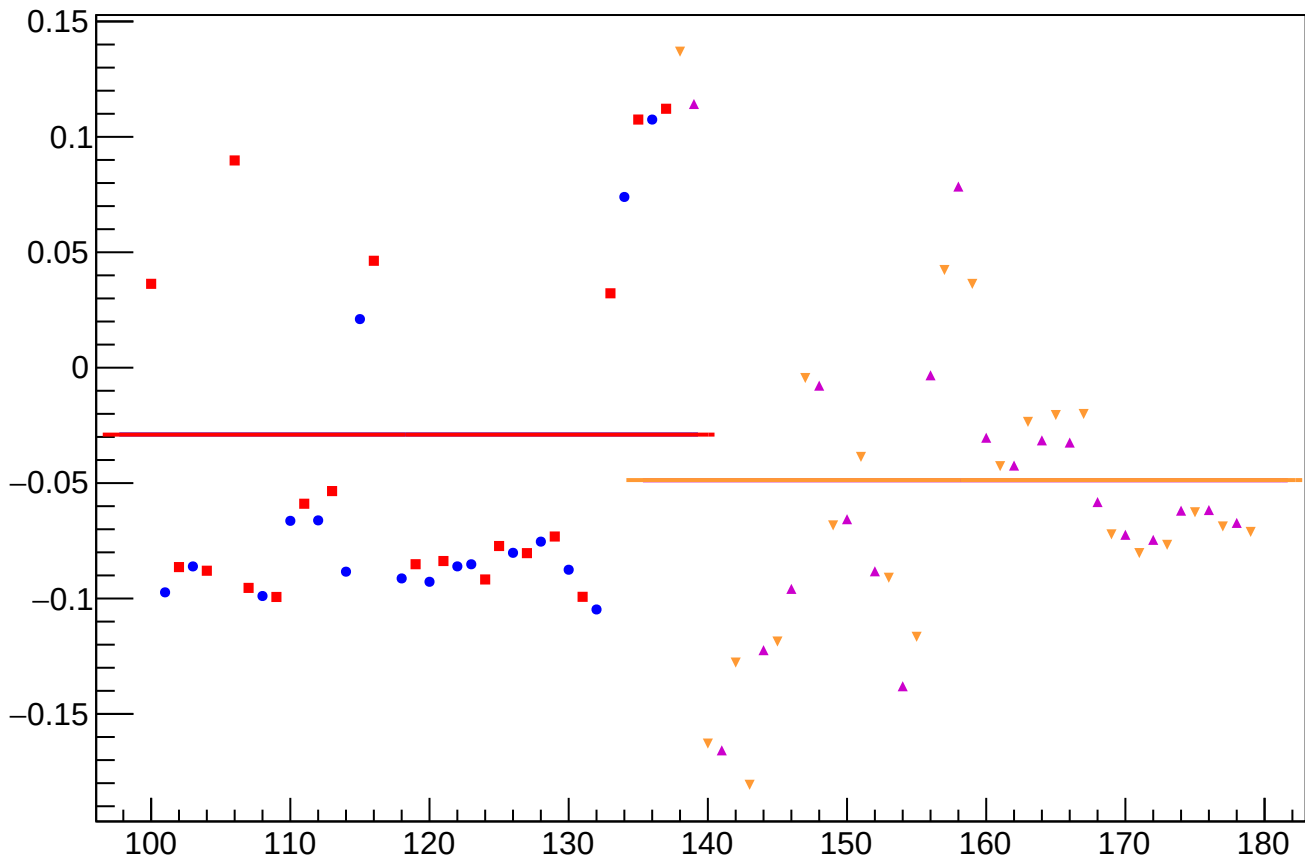
Left In: 0.011+/-0.000 χ^2/NDF : 103650.9/19

+ sign 0.011+/-0.000 χ^2/NDF : 217201.7/38

All: 0.011+/-0.000 χ^2/NDF : 452890.2/77

- sign 0.011+/-0.000 χ^2/NDF : 229032.4/38

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.049+/-0.000 χ^2/NDF : 7173167183.1/21

Right Out: -0.029+/-0.000 χ^2/NDF : 2113349669.8/18

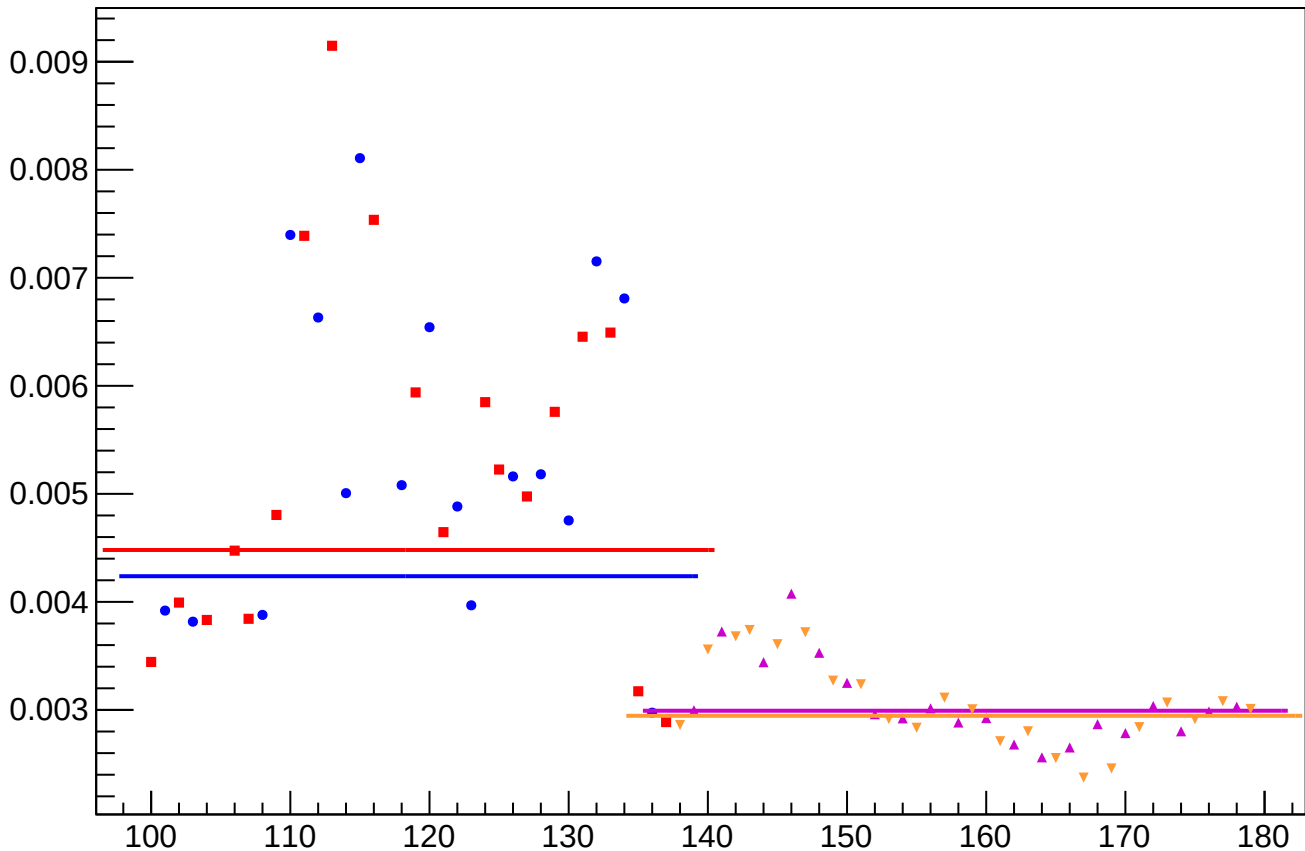
Left In: -0.049+/-0.000 χ^2/NDF : 6077040638.1/19

+ sign -0.046+/-0.000 χ^2/NDF : 9720612206.8/38

All: -0.046+/-0.000 χ^2/NDF : 18007716319.3/79

- sign -0.046+/-0.000 χ^2/NDF : 8287102435.8/38

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 : 467953.9/21

Right Out: 0.004+/-0.000 χ^2/NDF : 984186.1/18

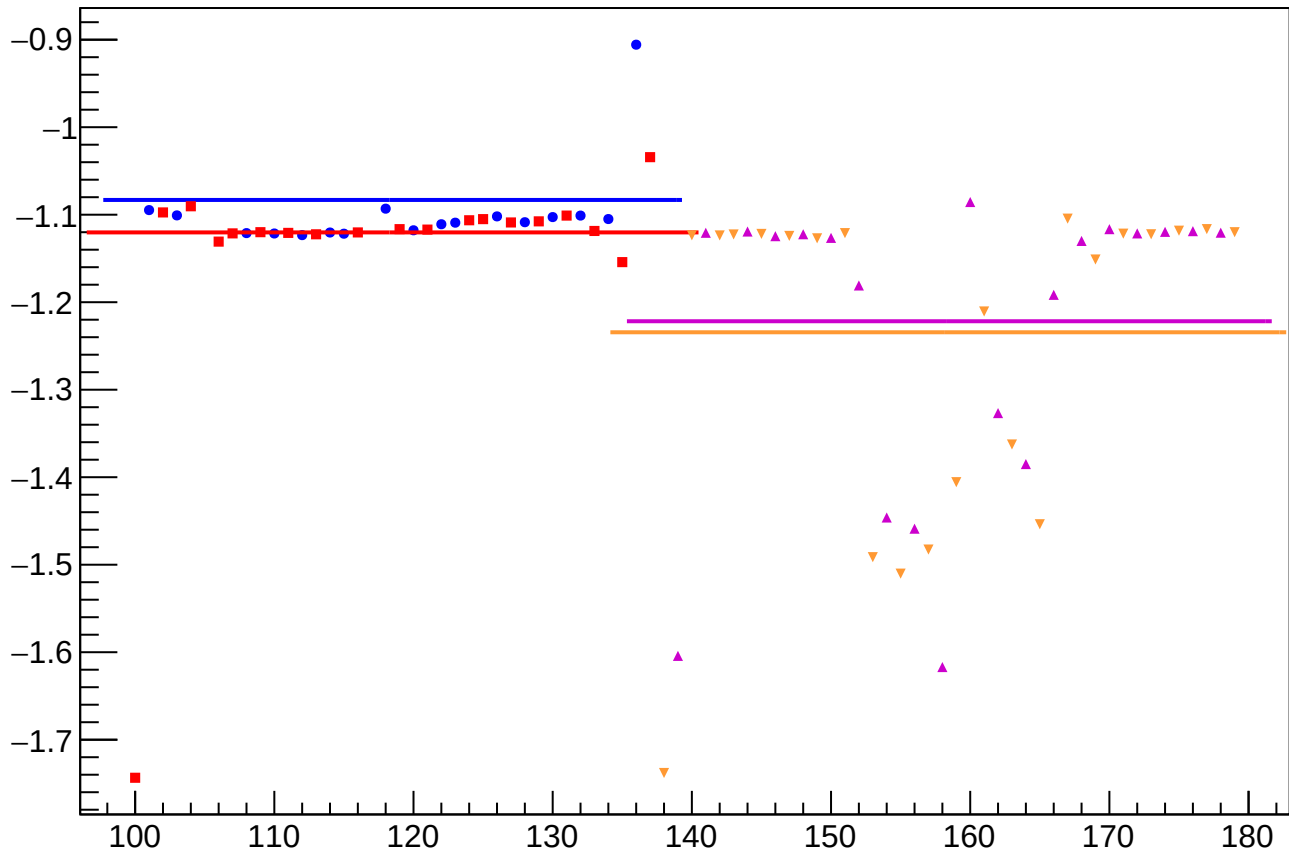
Left In: 0.003+/-0.000 χ^2/NDF : 316314.1/19

+ sign 0.003+/-0.000 χ^2/NDF : 2218030.6/38

All: 0.003+/-0.000 χ^2/NDF : 4624605.6/77

- sign 0.003+/-0.000 χ^2/NDF : 2391802.5/38

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2 /NDF: 202920901.6/16

Left Out: -1.234+/-0.000 χ^2 /NDF: 5045375728.3/21

Right Out: -1.120+/-0.000 χ^2 /NDF: 220571280.7/18

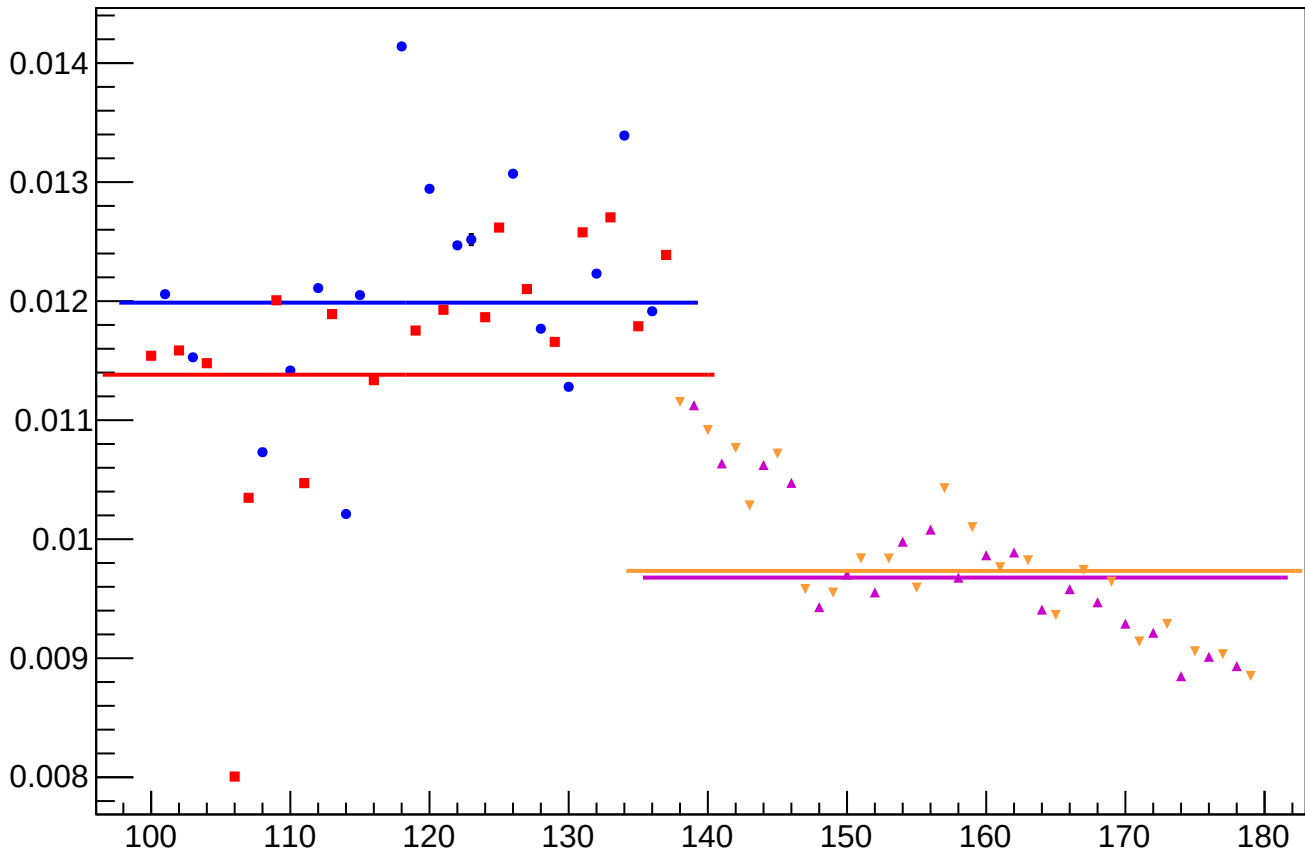
Left In: -1.222+/-0.000 χ^2 /NDF: 4310147110.9/19

+ sign -1.203+/-0.000 χ^2 /NDF: 6058091099.5/38

All: -1.200+/-0.000 χ^2 /NDF: 11001991702.0/40

- sign -1.196+/-0.000 χ^2 /NDF: 4939804962.3/38

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 60402.0/16

Left Out: 0.010+/-0.000 χ^2/NDF :119115.1/21

Right Out: 0.011+/-0.000 χ^2/NDF : 154529.8/18

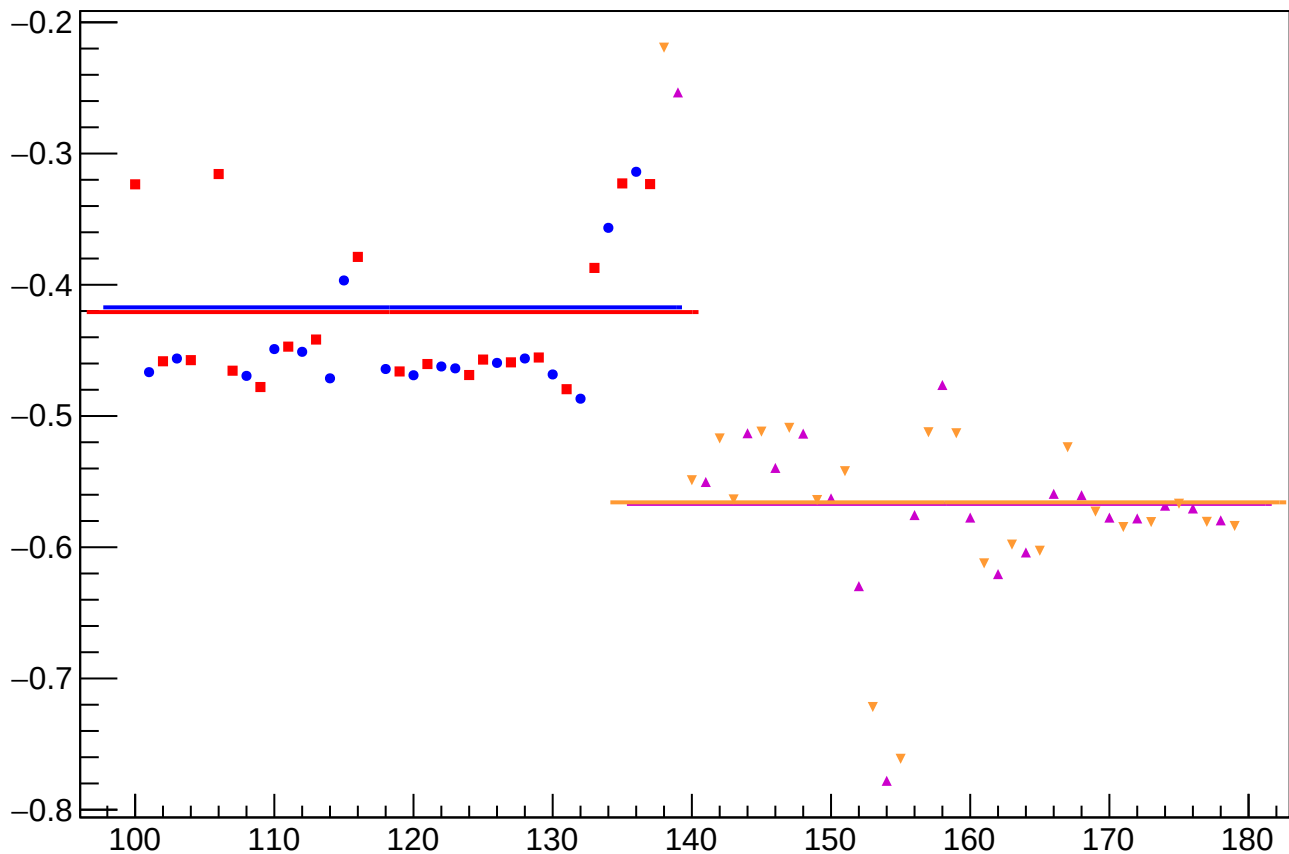
Left In: 0.010+/-0.000 χ^2/NDF :103459.0/19

+ sign 0.010+/-0.000 χ^2/NDF : 539167.0/38

All: 0.010+/-0.000 χ^2/NDF : 1030047.3/77

- sign 0.010+/-0.000 χ^2/NDF : 488569.8/38

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2 /NDF: 2039045143.8/16

Left Out: -0.566+/-0.000 χ^2 /NDF:13355057855.6/21

Right Out: -0.421+/-0.000 χ^2 /NDF: 1646463410.7/18

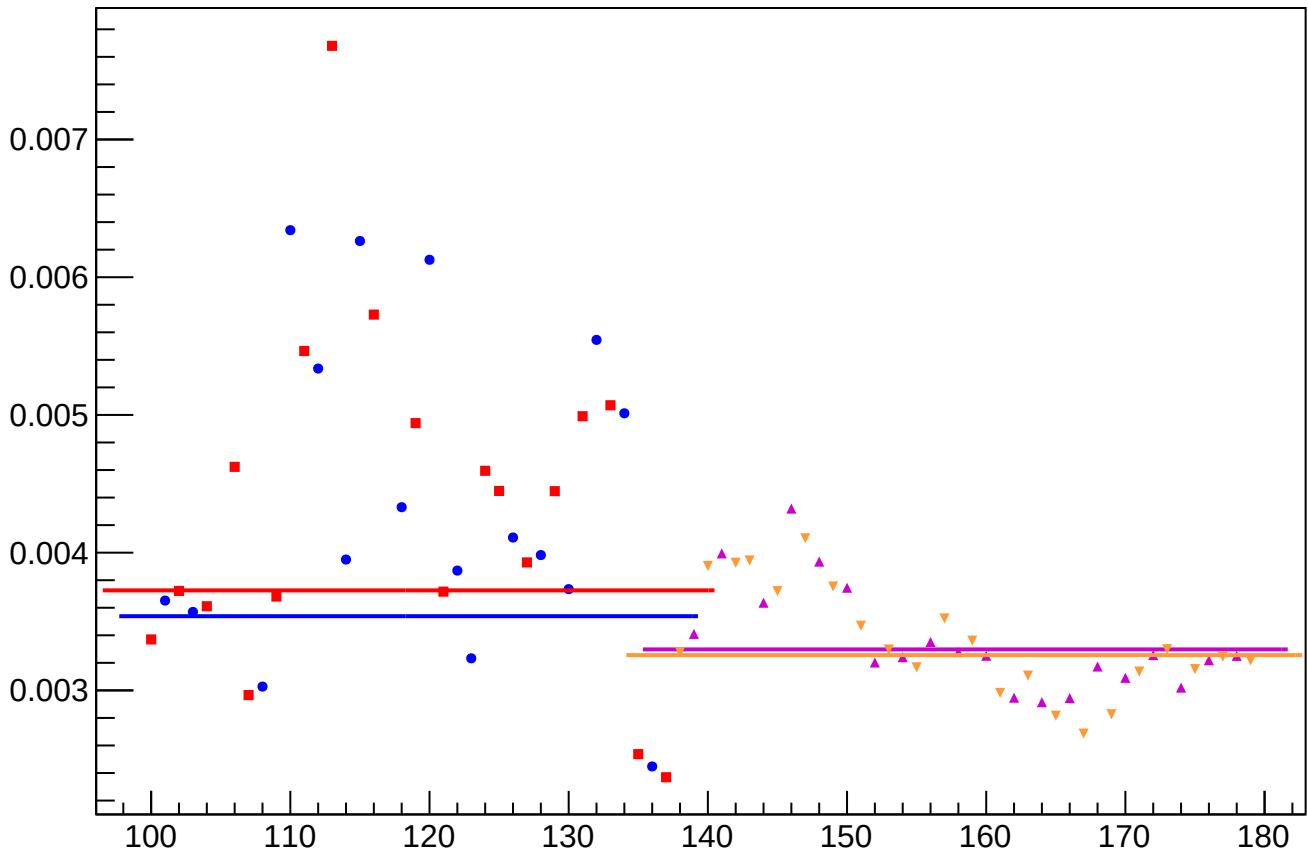
Left In: -0.567+/-0.000 χ^2 /NDF:10445096109.1/19

+ sign -0.532+/-0.000 χ^2 /NDF: 22787675447.5/38

All: -0.532+/-0.000 χ^2 /NDF: 41714617042.2/38

- sign -0.532+/-0.000 χ^2 /NDF: 18926936363.2/38

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:374800.8/21

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 898447.6/18

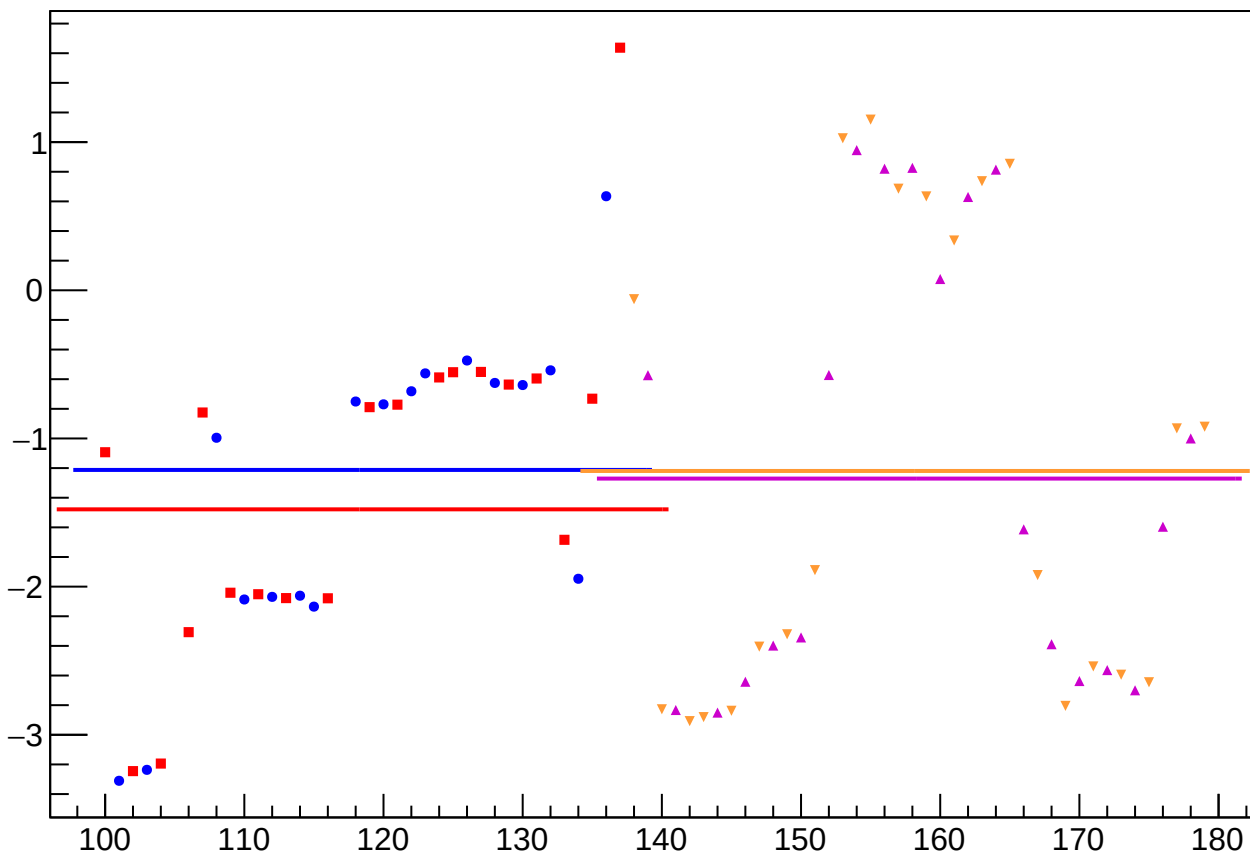
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:277527.9/19

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1264432.0/38

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2569710.5/77

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1293590.6/38

yield_bpm0r03X_mean vs Slug



Right In: -1.212+/-0.000 χ^2/NDF : 1992853443.9/16

Left Out: -1.219+/-0.000 χ^2/NDF : 6745288868.4/21

Right Out: -1.478+/-0.000 χ^2/NDF : 1578264383.8/18

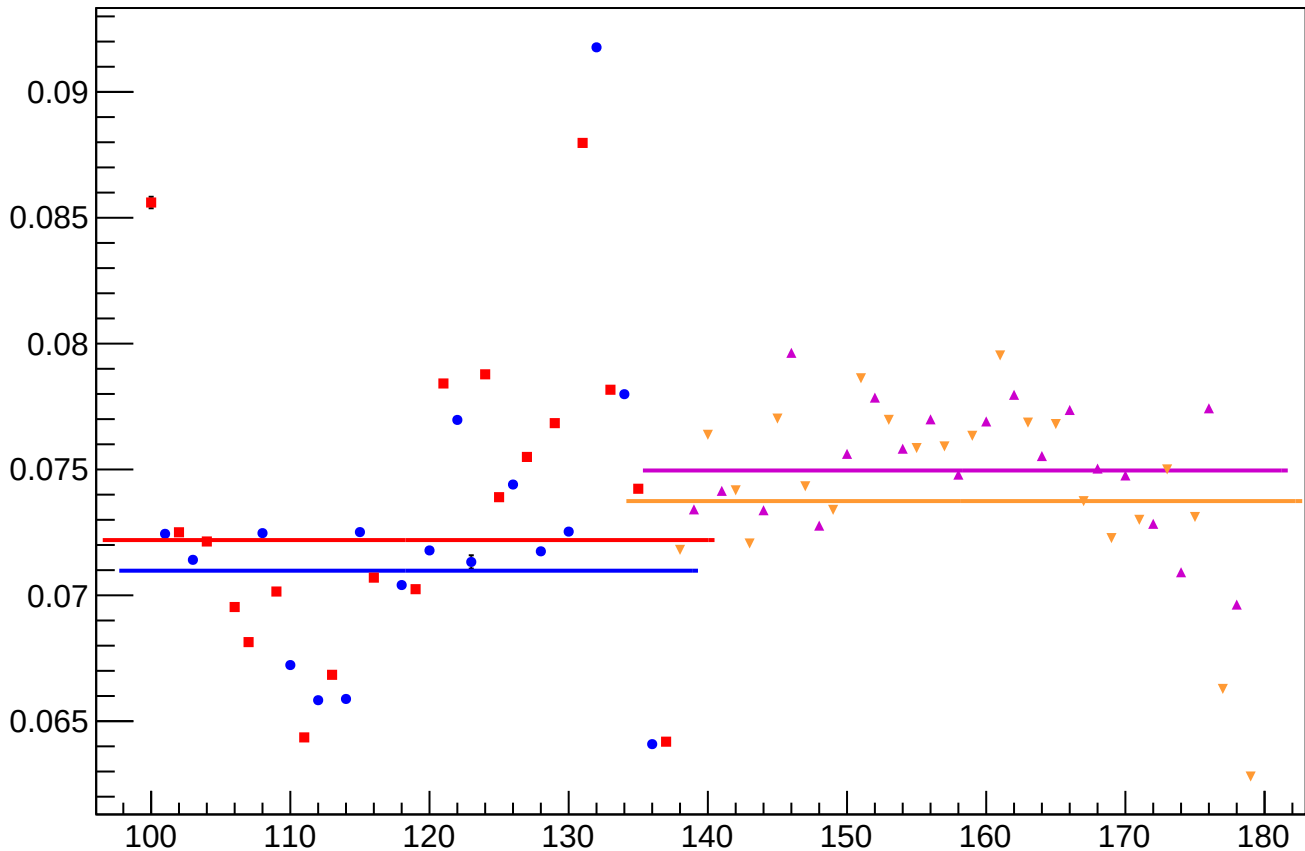
Left In: -1.271+/-0.000 χ^2/NDF : 5523326059.9/19

+ sign -1.217+/-0.000 χ^2/NDF : 8738186863.0/38

All: -1.276+/-0.000 χ^2/NDF : 15909358645.2

- sign -1.340+/-0.000 χ^2/NDF : 7140059132.2/38

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.074+/-0.000 χ^2/NDF :100847.1/21

Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

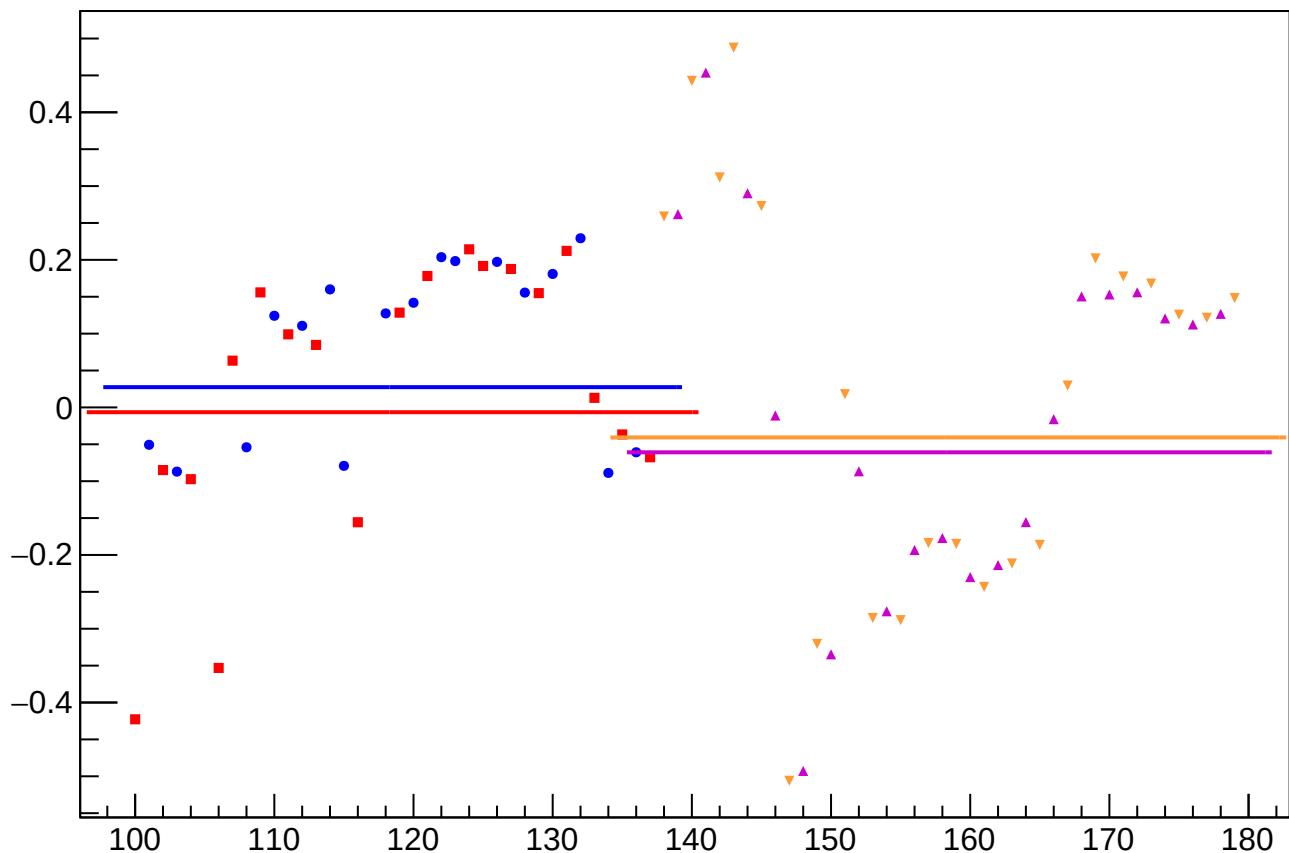
Left In: 0.075+/-0.000 χ^2/NDF :32659.4/19

+ sign 0.073+/-0.000 χ^2/NDF : 192339.4/38

All: 0.073+/-0.000 χ^2/NDF : 317268.7/77

- sign 0.074+/-0.000 χ^2/NDF : 119534.9/38

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.041+/-0.000 χ^2/NDF : 19419306643.7/21

Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

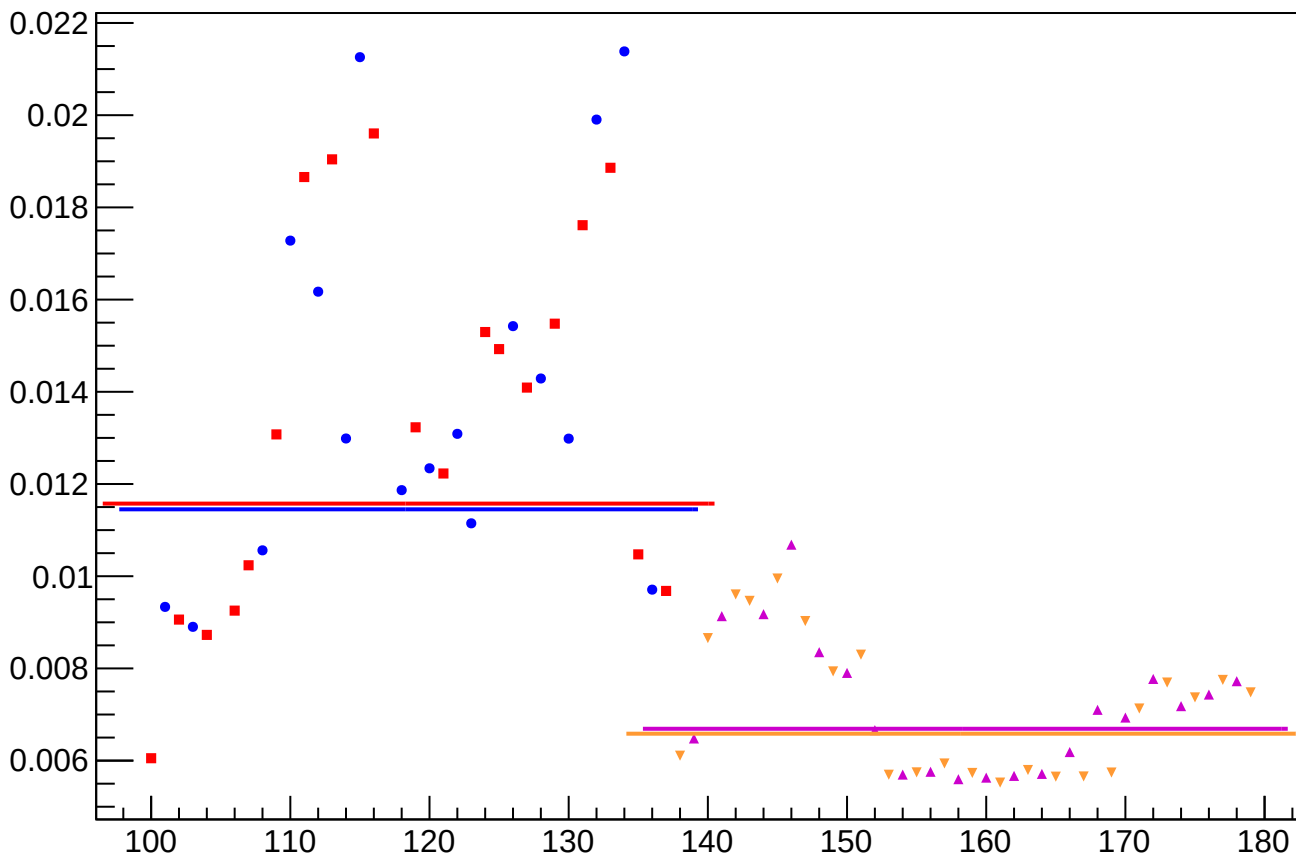
Left In: -0.061+/-0.000 χ^2/NDF : 14685520068.2/19

+ sign -0.033+/-0.000 χ^2/NDF : 20162523520.0/38

All: -0.043+/-0.000 χ^2/NDF : 36245660729.3/38

- sign -0.054+/-0.000 χ^2/NDF : 15999607975.7/38

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:1062217.3/21

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 997161.1/18

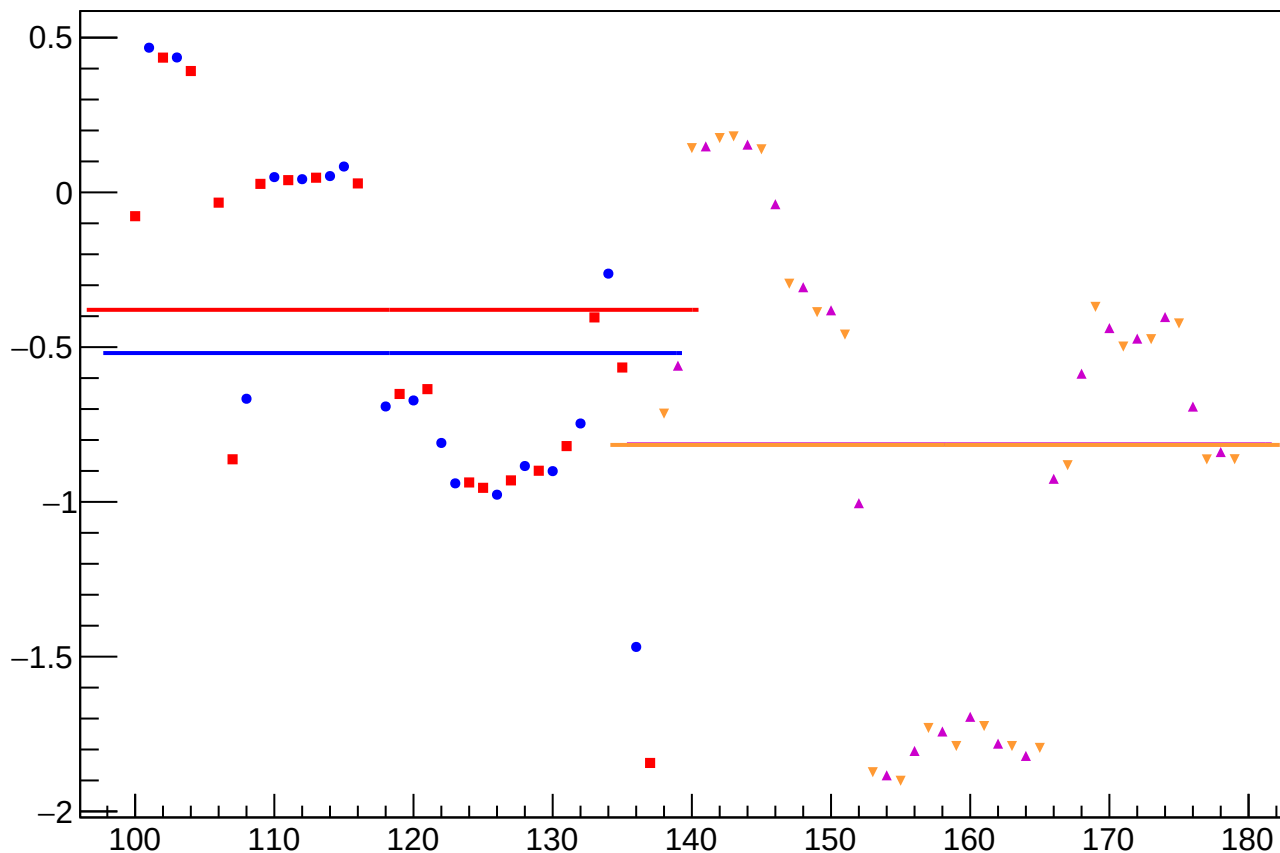
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:881893.1/19

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3587111.9/38

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7329184.7/77

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3731594.0/38

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.816 ± 0.000 χ^2/NDF : 1082345092.6/21

Right Out: -0.379 ± 0.000 χ^2/NDF : 268621179.0/18

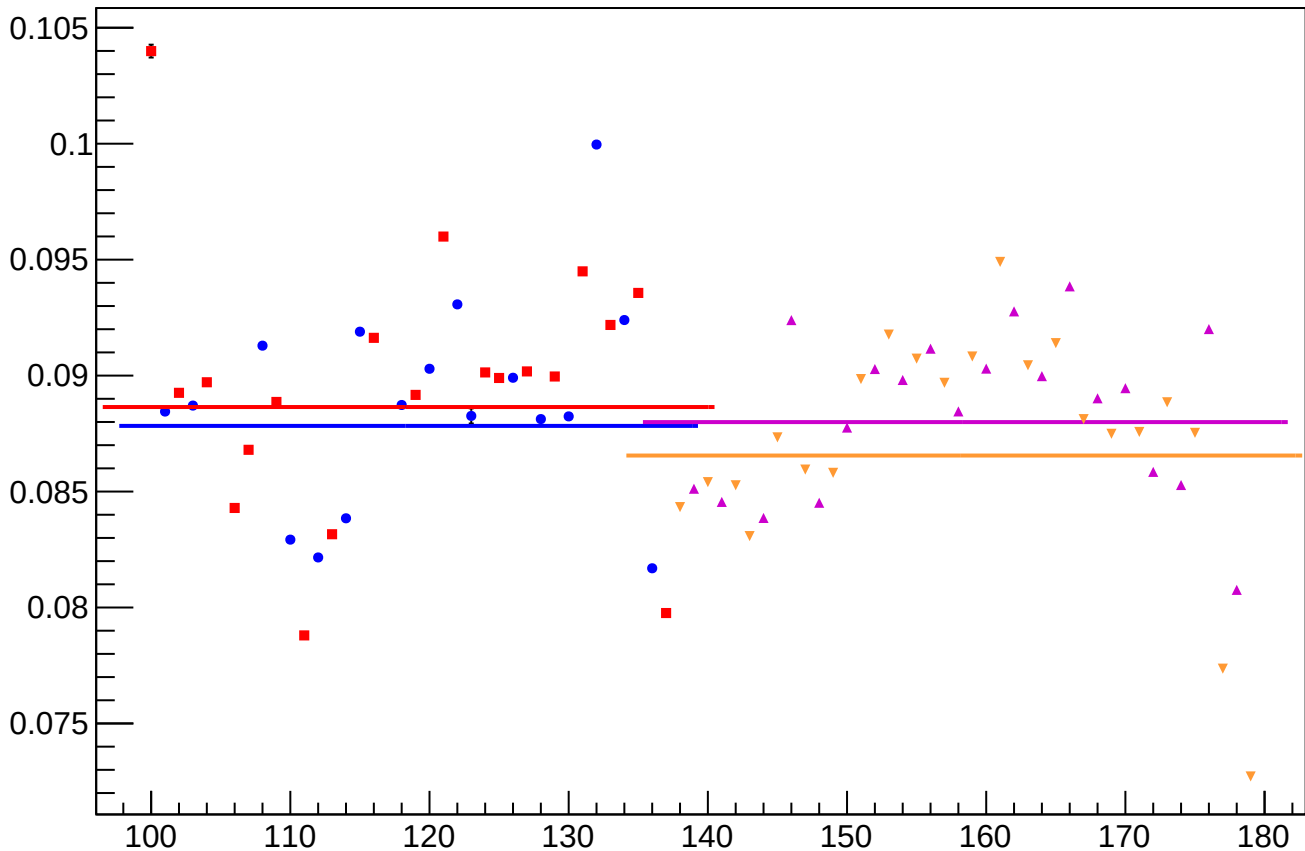
Left In: -0.814 ± 0.000 χ^2/NDF : 919192439.9/19

+ sign -0.732 ± 0.000 χ^2/NDF : 1476467632.9/38

All: -0.706 ± 0.000 χ^2/NDF : 2785676529.0/7

- sign -0.678 ± 0.000 χ^2/NDF : 1304858424.1/38

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34954.4/16

Left Out: 0.087 $\pm$ 0.000 χ^2 /NDF:119424.7/21

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 39722.9/18

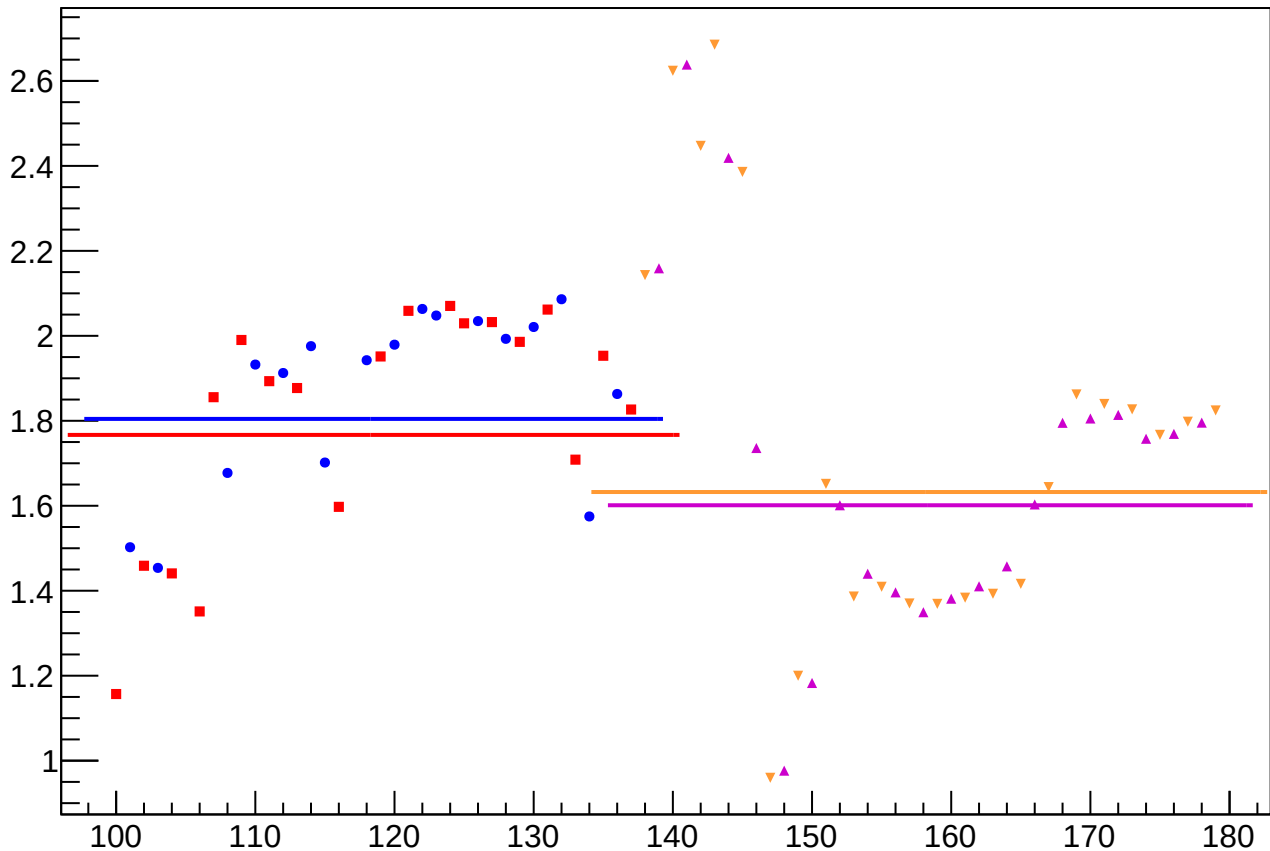
Left In: 0.088 $\pm$ 0.000 χ^2 /NDF:46514.1/19

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 156408.8/38

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 248061.8/77

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 86759.9/38

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 ± 0.000 χ^2/NDF : 1156747883.2/16

Left Out: 1.632 ± 0.000 χ^2/NDF : 25791575198.6/21

Right Out: 1.767 ± 0.000 χ^2/NDF : 1709259284.5/18

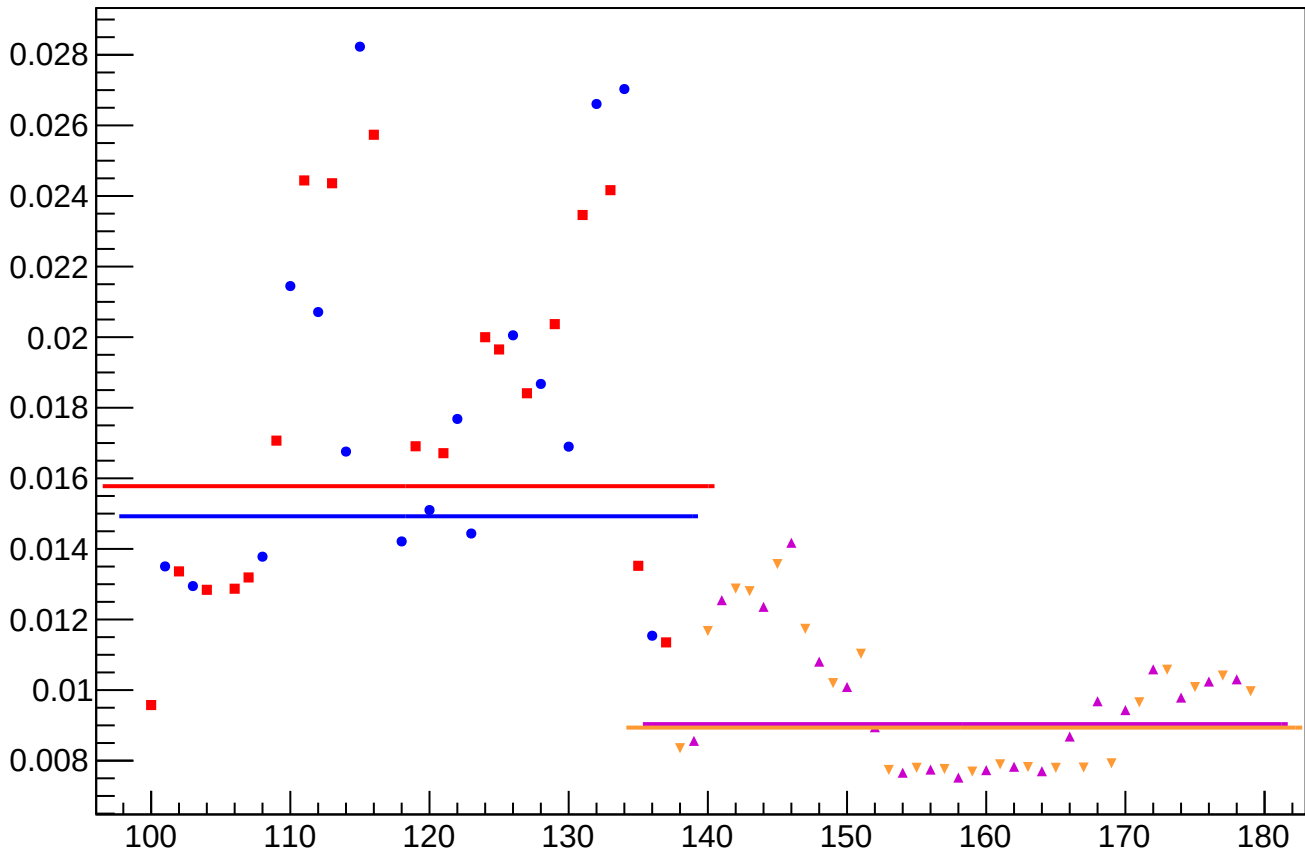
Left In: 1.601 ± 0.000 χ^2/NDF : 19999652666.2/19

+ sign 1.653 ± 0.000 χ^2/NDF : 27622654093.4/38

All: 1.638 ± 0.000 χ^2/NDF : 50017370630.4/7

- sign 1.621 ± 0.000 χ^2/NDF : 22292481680.4/38

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 : 975316.1/21

Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

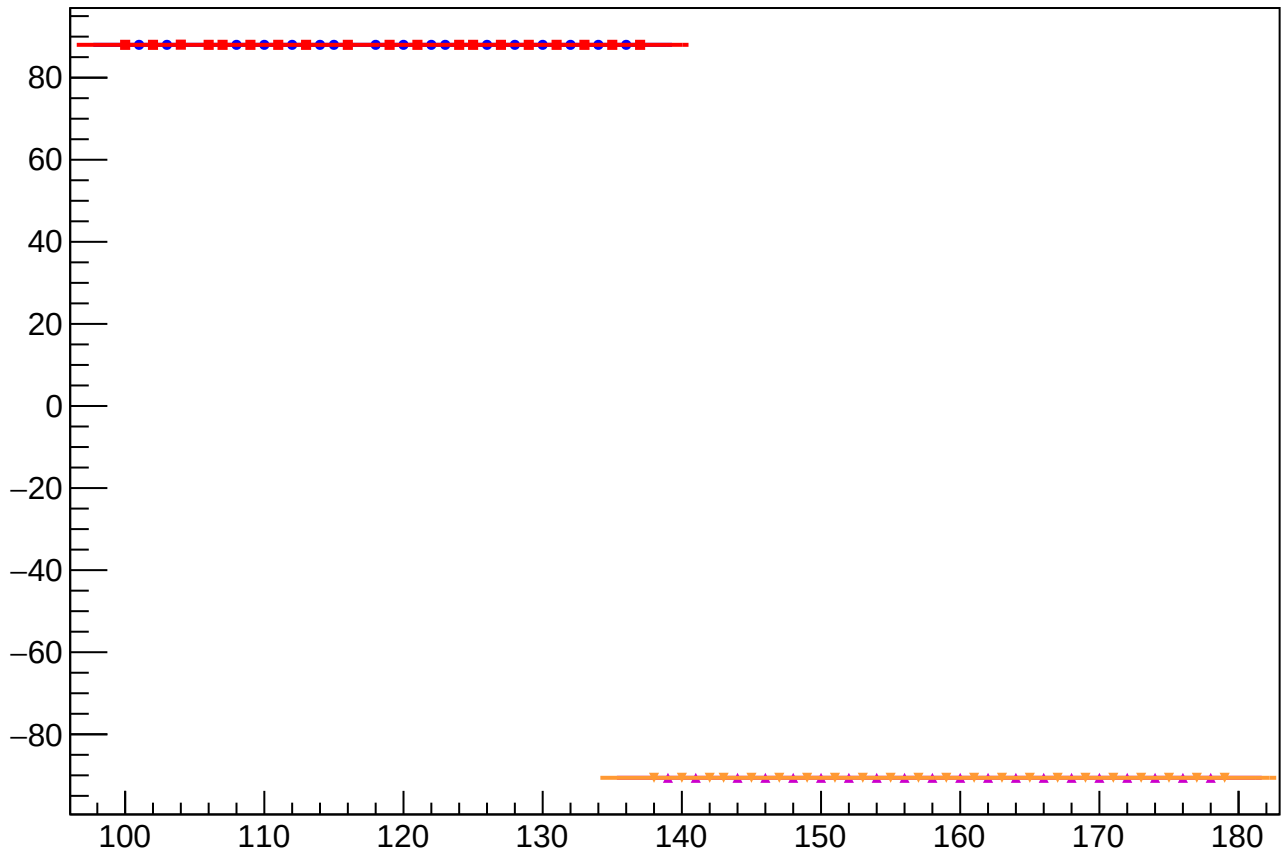
Left In: 0.009+/-0.000 χ^2/NDF : 837630.6/19

+ sign 0.010+/-0.000 χ^2/NDF : 3251732.1/38

All: 0.010+/-0.000 χ^2/NDF : 6819492.5/77

- sign 0.010+/-0.000 χ^2/NDF : 3558402.9/38

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: 6455482.3/21

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77545892857504626270604886016.0/18

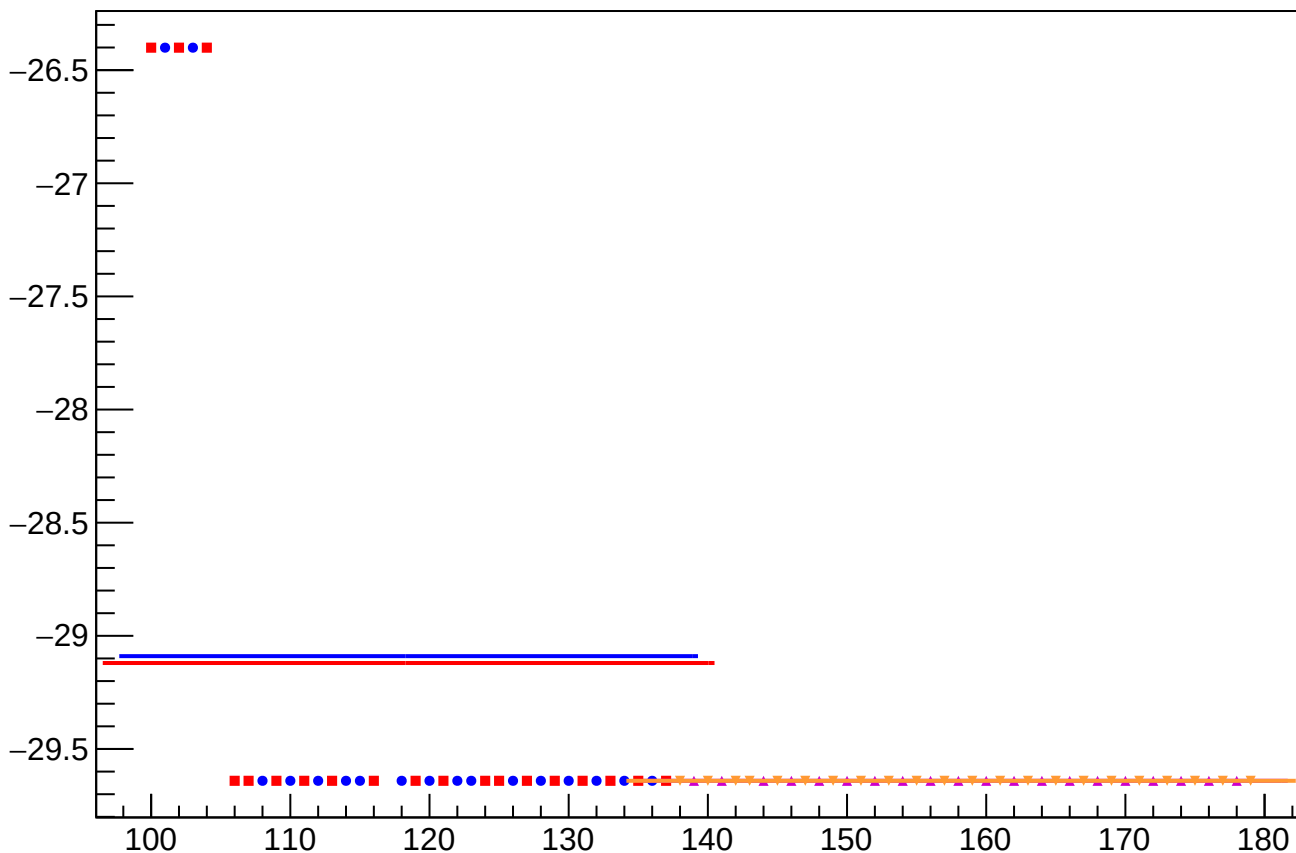
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5476638.4/19

+ sign -39.104 $\pm$ 0.000 χ^2 /NDF: 157544647291732

All: -37.087 $\pm$ 0.000 χ^2 /NDF: 316349771453

- sign -34.993 $\pm$ 0.000 χ^2 /NDF: 1586054737416269

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 : 251085.0/21

Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18

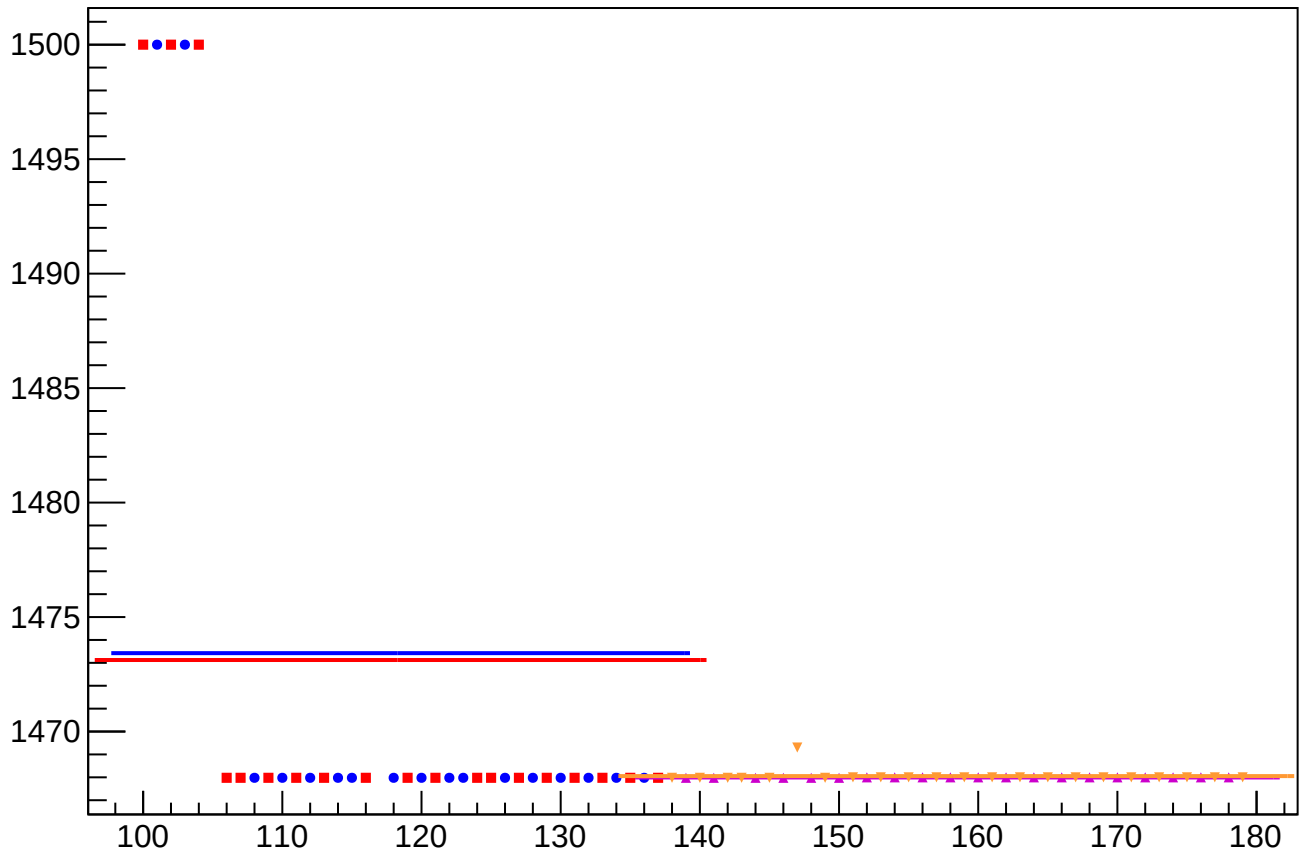
Left In: -29.641+/-0.000 χ^2/NDF : 333984.8/19

+ sign -29.482+/-0.000 χ^2/NDF : 117799034283338

All: -29.480+/-0.000 χ^2/NDF : 233481195361

- sign -29.479+/-0.000 χ^2/NDF : 1156809264683028

epics_psub_pl_poss_mean vs Slug



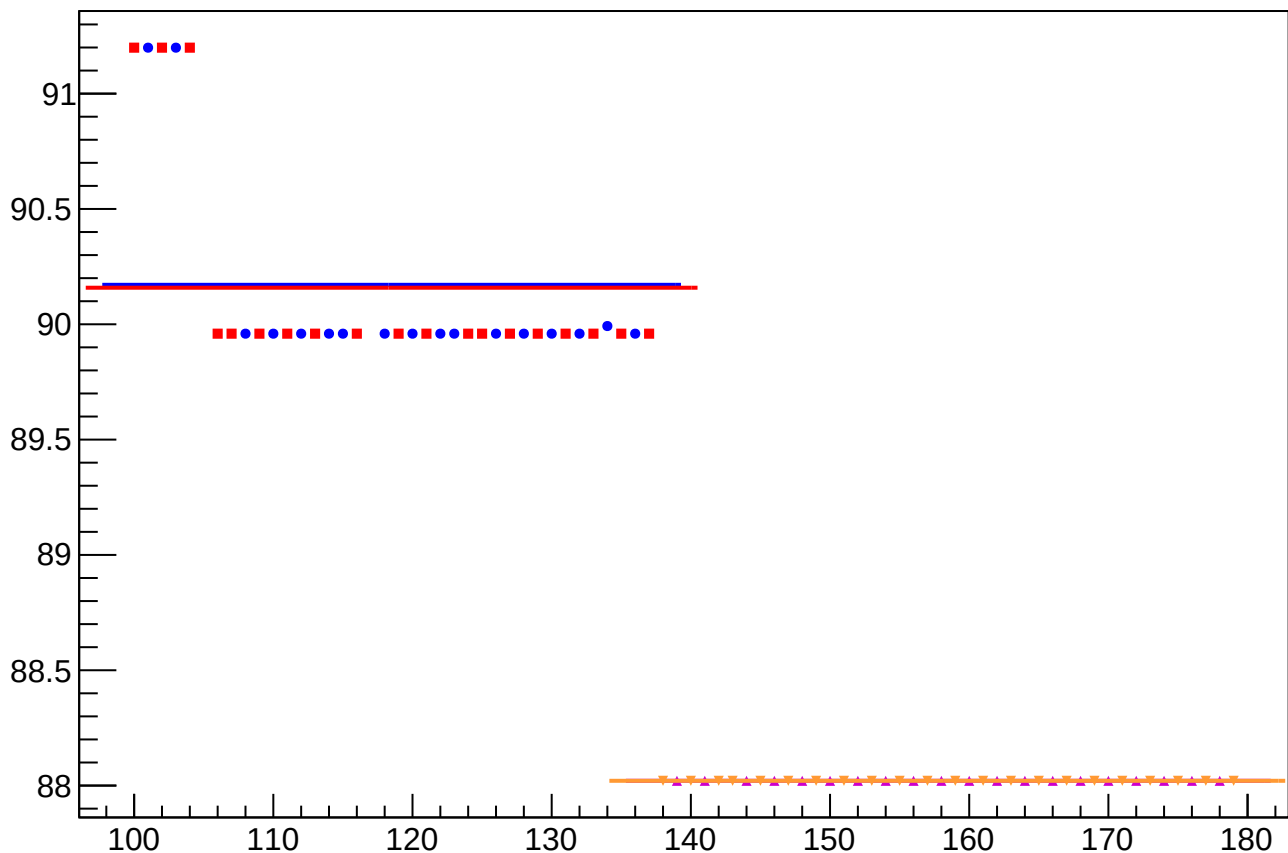
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.053+/-0.000 χ^2/NDF : 127416553240058628421798493945856.0/21 + sign 1469.602+/-0.000 χ^2/NDF : 11479333116067

Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18 All: 1469.596+/-0.000 χ^2/NDF : 22771675429

Left In: 1467.993+/-0.000 χ^2/NDF : 13753187228886906226153095168.0/19 - sign 1469.591+/-0.000 χ^2/NDF : 11292326997936

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 : 6320378.8/21

Right Out: 90.159+/-0.000 χ^2/NDF : 149705165651000025160777180643328.0/18

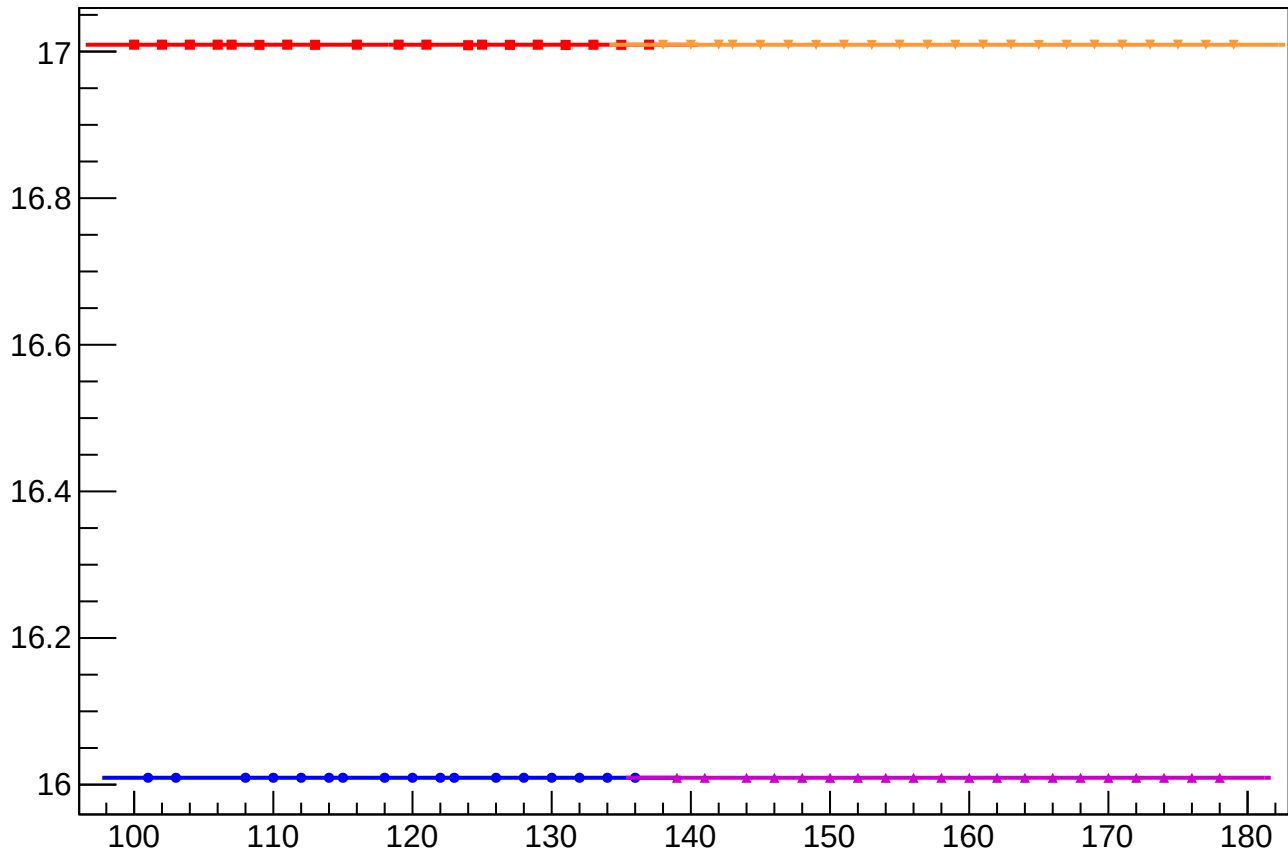
Left In: 88.021+/-0.000 χ^2/NDF : 5490976.8/19

+ sign 88.641+/-0.000 χ^2/NDF : 2434290996337317

All: 88.663+/-0.000 χ^2/NDF : 4858838498379

- sign 88.686+/-0.000 χ^2/NDF : 2422095196920144

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: 23664779979825344967344128.0/21

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12516014336037541461884928.0/18

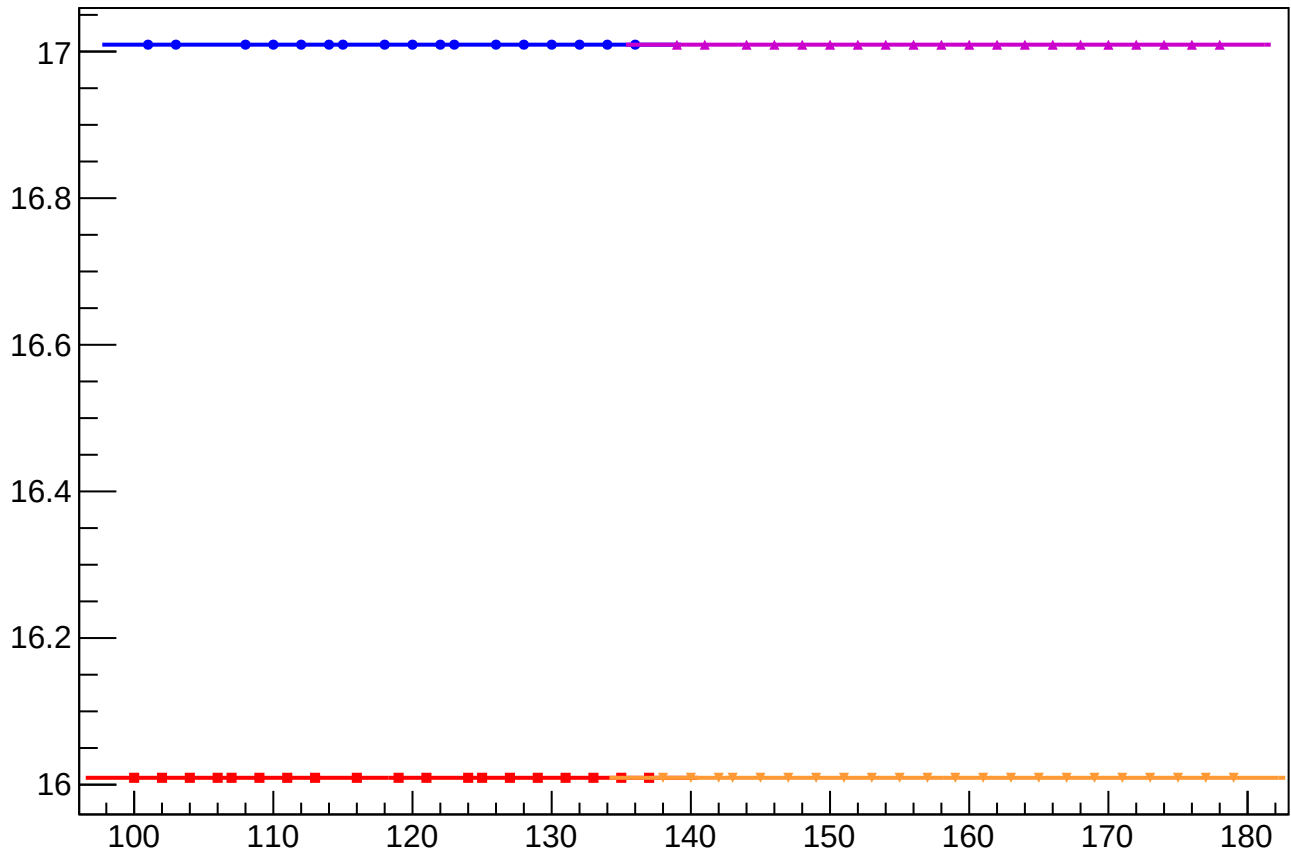
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127243494275687670349824.0/19

+ sign 16.714 $\pm$ 0.000 χ^2 /NDF: 4662408677488178

All: 16.518 $\pm$ 0.000 χ^2 /NDF: 1096684026096

- sign 16.314 $\pm$ 0.000 χ^2 /NDF: 4548890605455308

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 132629.6/16

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 56368.8/21

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 39518.8/18

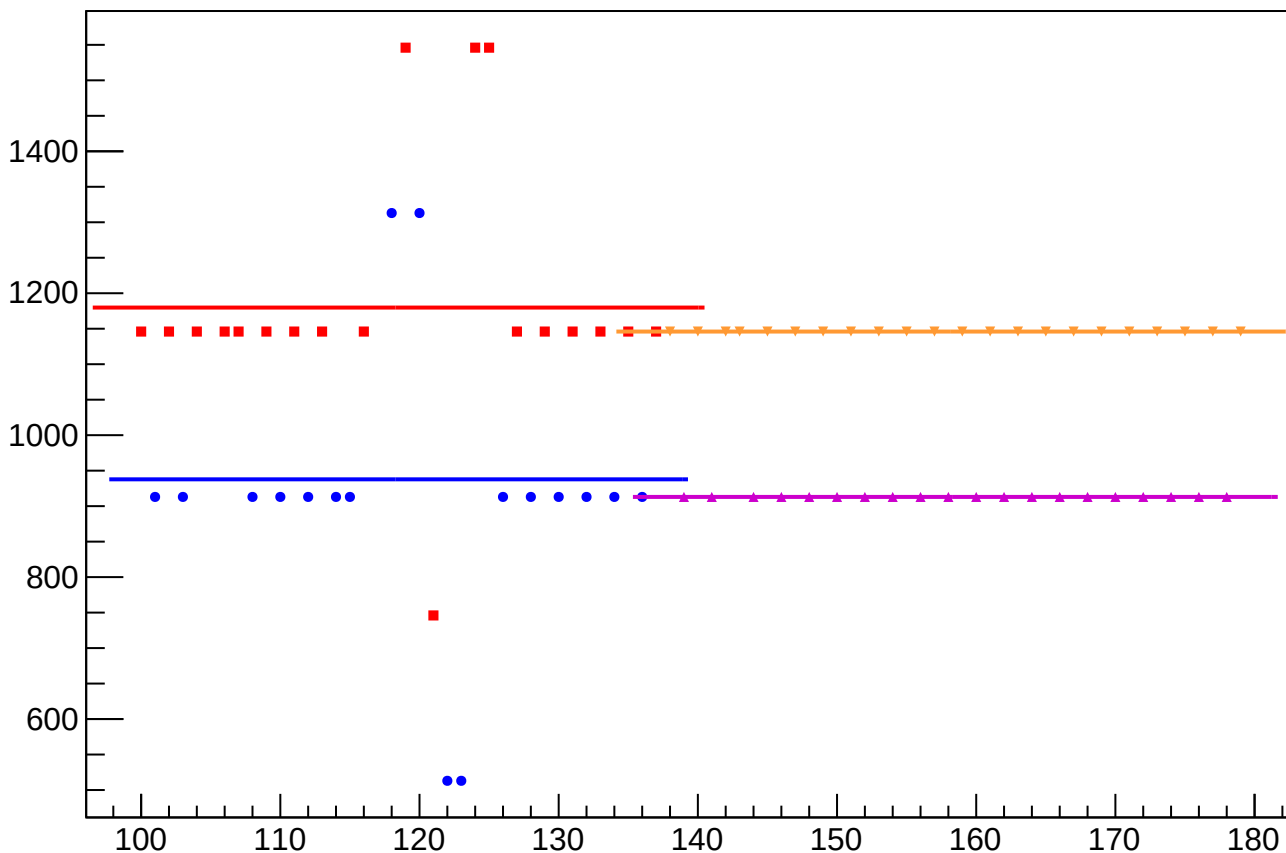
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 114307265846797251117056.0/19

+ sign 16.291 $\pm$ 0.000 χ^2 /NDF: 4755925138238986

All: 16.490 $\pm$ 0.000 χ^2 /NDF: 1154976653457

- sign 16.695 $\pm$ 0.000 χ^2 /NDF: 4903824830907475

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

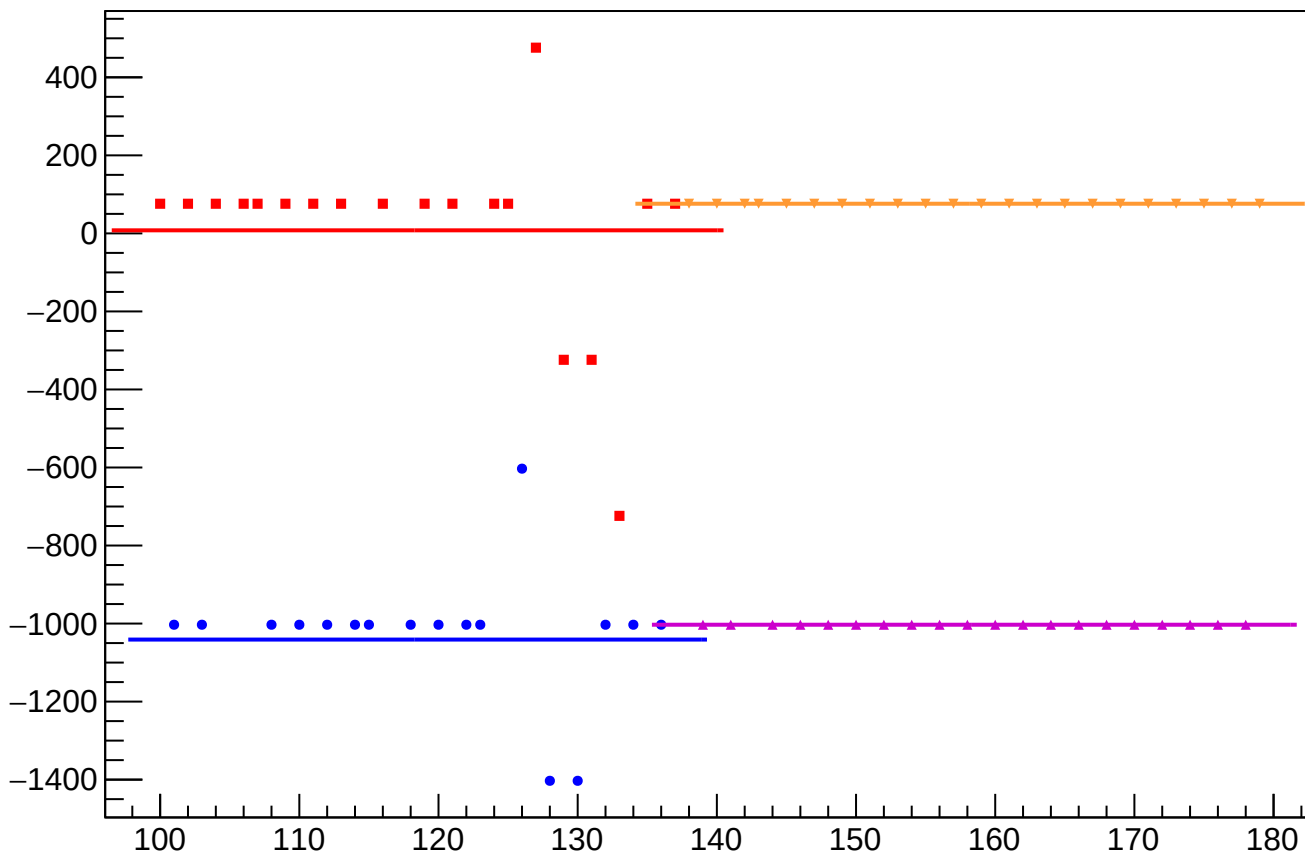
Left Out: 1146.011+/-0.000 χ^2/NDF : 5893985800894426476288409600.0/21

Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18

Left In: 912.995+/-0.000 χ^2/NDF : 24474191532429700505142296576.0/19

All: 1041.855+/-0.000 χ^2/NDF : 10862966253

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 : 10659535831061999505926782976.0/21

Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18

Left In: -1002.990+/-0.000 χ^2/NDF : 2384136325690638587716960256.0/19

All: -463.048+/-0.000 χ^2/NDF : 14218283629

- sign -688.269+/-0.000 χ^2/NDF : 551911437322658