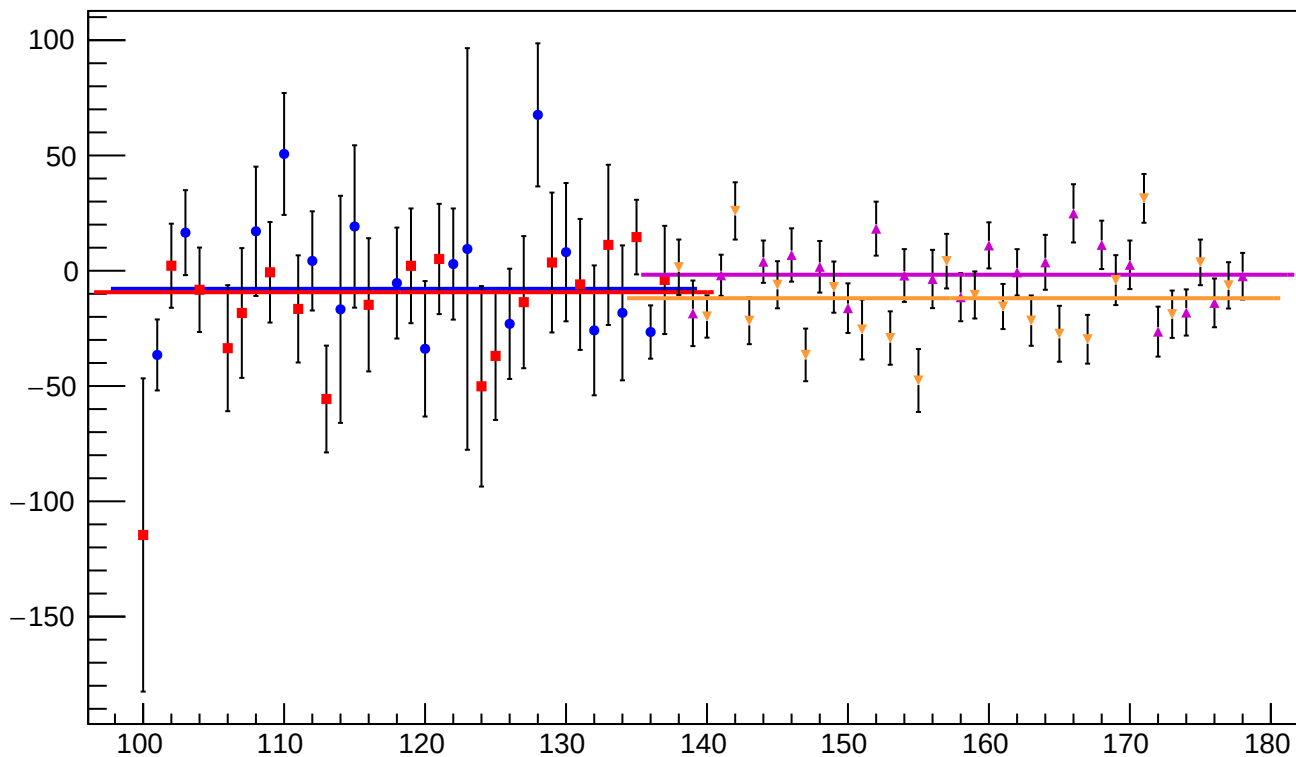


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

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

Left Out: -11.904 ± 2.373

$\chi^2/\text{NDF}: 55.3/20$

Right Out: -9.309 ± 5.677

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

Left In: -1.724 ± 2.408

$\chi^2/\text{NDF}: 25.2/19$

+ sign -11.287 ± 2.186

$\chi^2/\text{NDF}: 78.4/37$

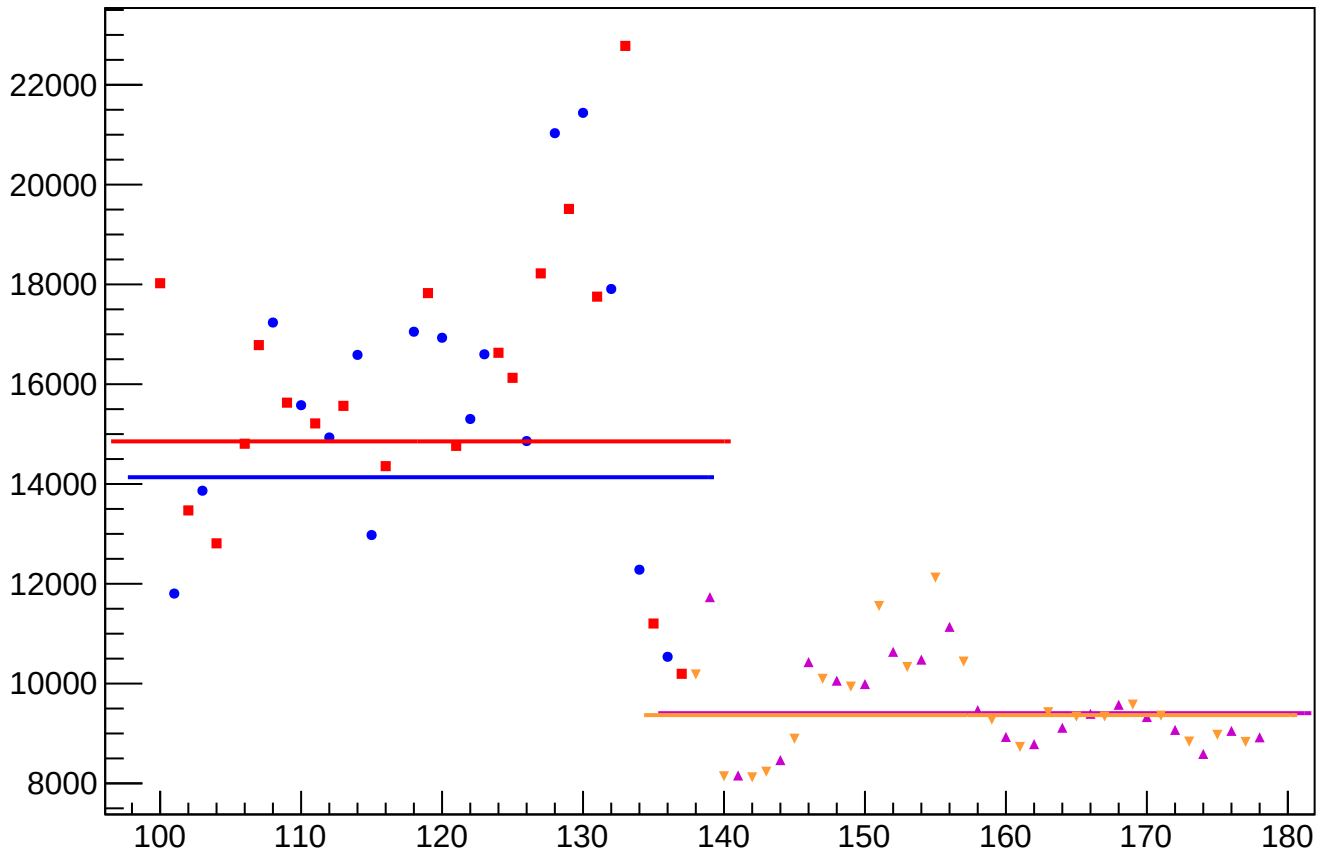
All: -7.144 ± 1.556

$\chi^2/\text{NDF}: 125.6/76$

- sign -2.881 ± 2.217

$\chi^2/\text{NDF}: 39.9/38$

diff_bpm4aX_rms vs Slug



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

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

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

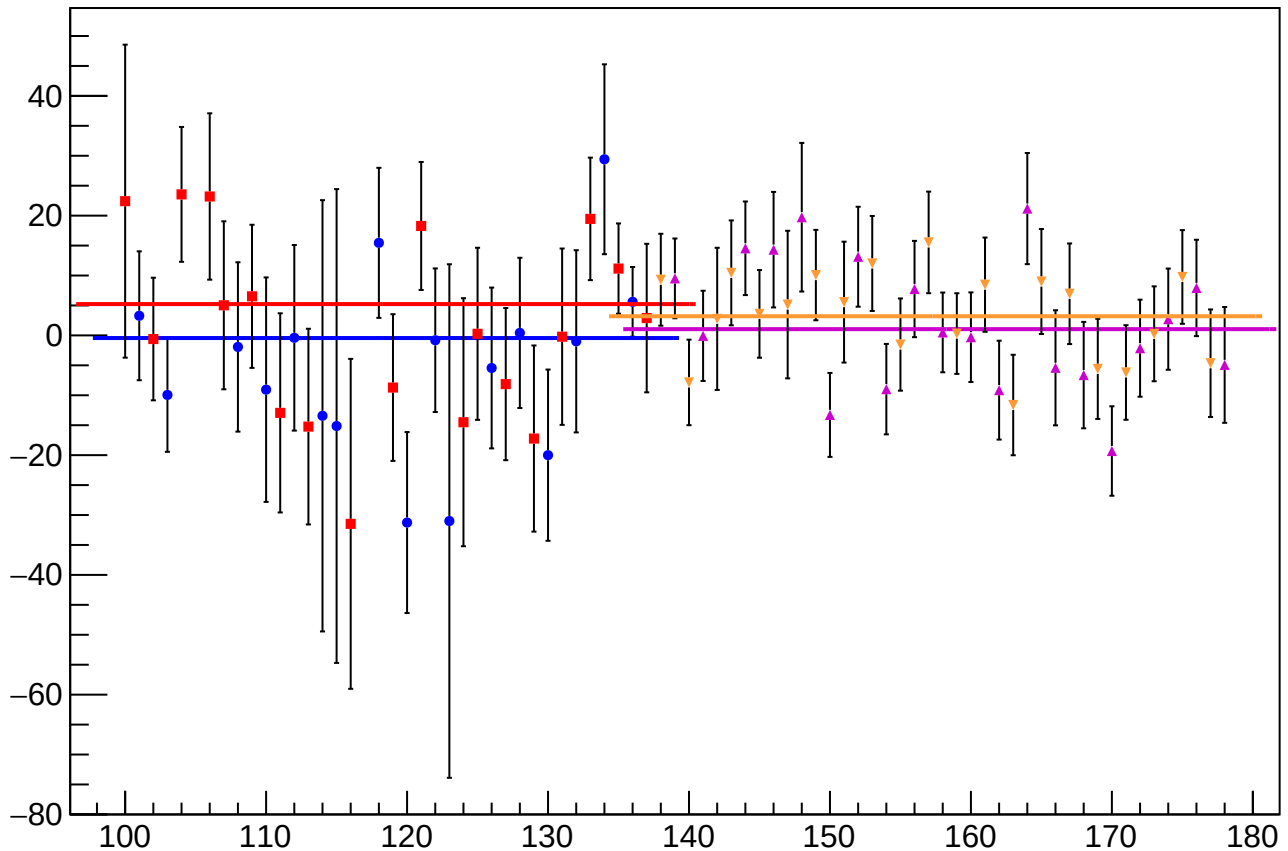
Right Out: 14854.033 $\pm$ 4.014 χ^2 /NDF: 472017.6/18

All: 10164.085 $\pm$ 1.101 χ^2 /NDF: 4415035.3/7

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

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

diff_bpm4aY_mean vs Slug



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

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

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

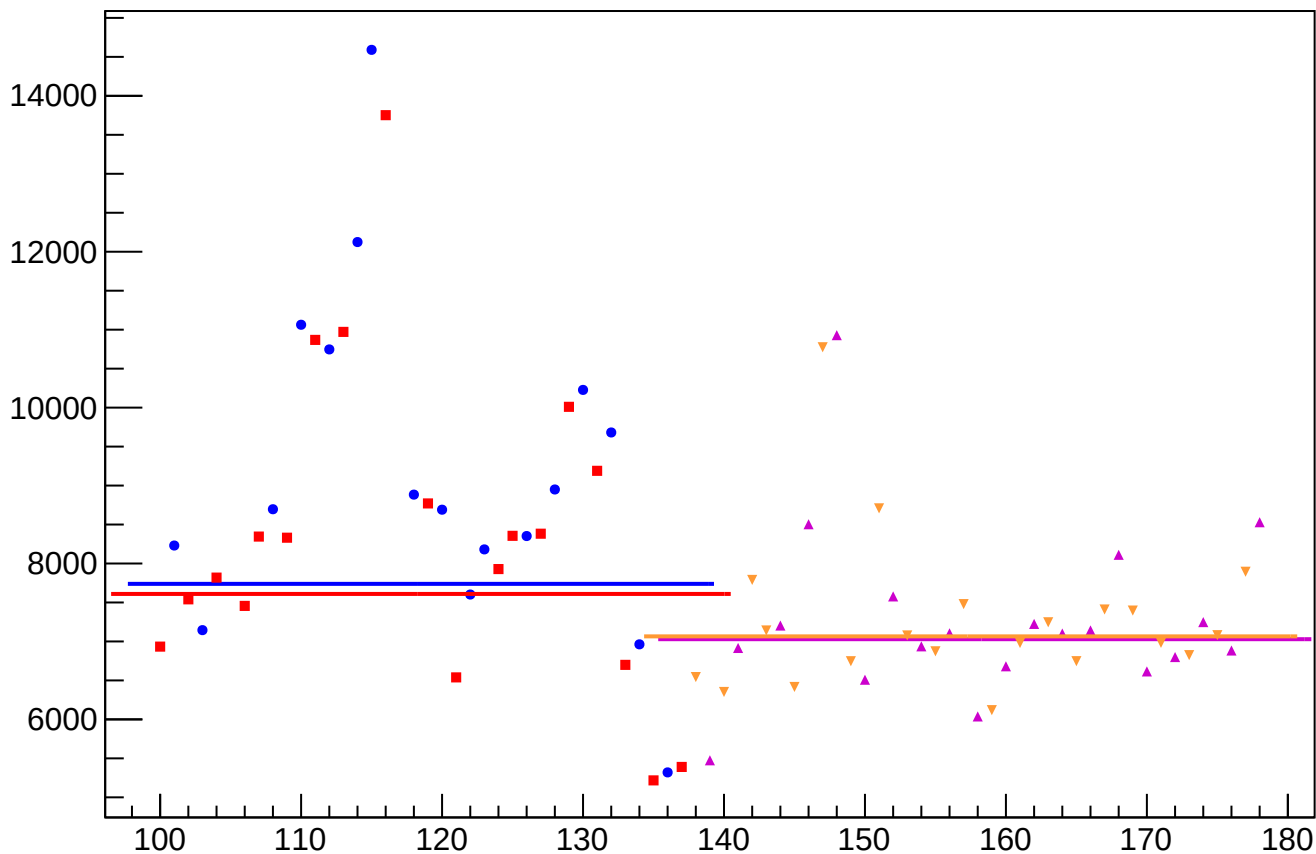
Left In: 1.044 ± 1.811 χ^2/NDF : 33.7/19

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

All: 2.234 ± 1.093 χ^2/NDF : 87.0/76

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

diff_bpm4aY_rms vs Slug



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

Left Out: 7065.130 $\pm$ 1.269 χ^2 /NDF:365129.7/20

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

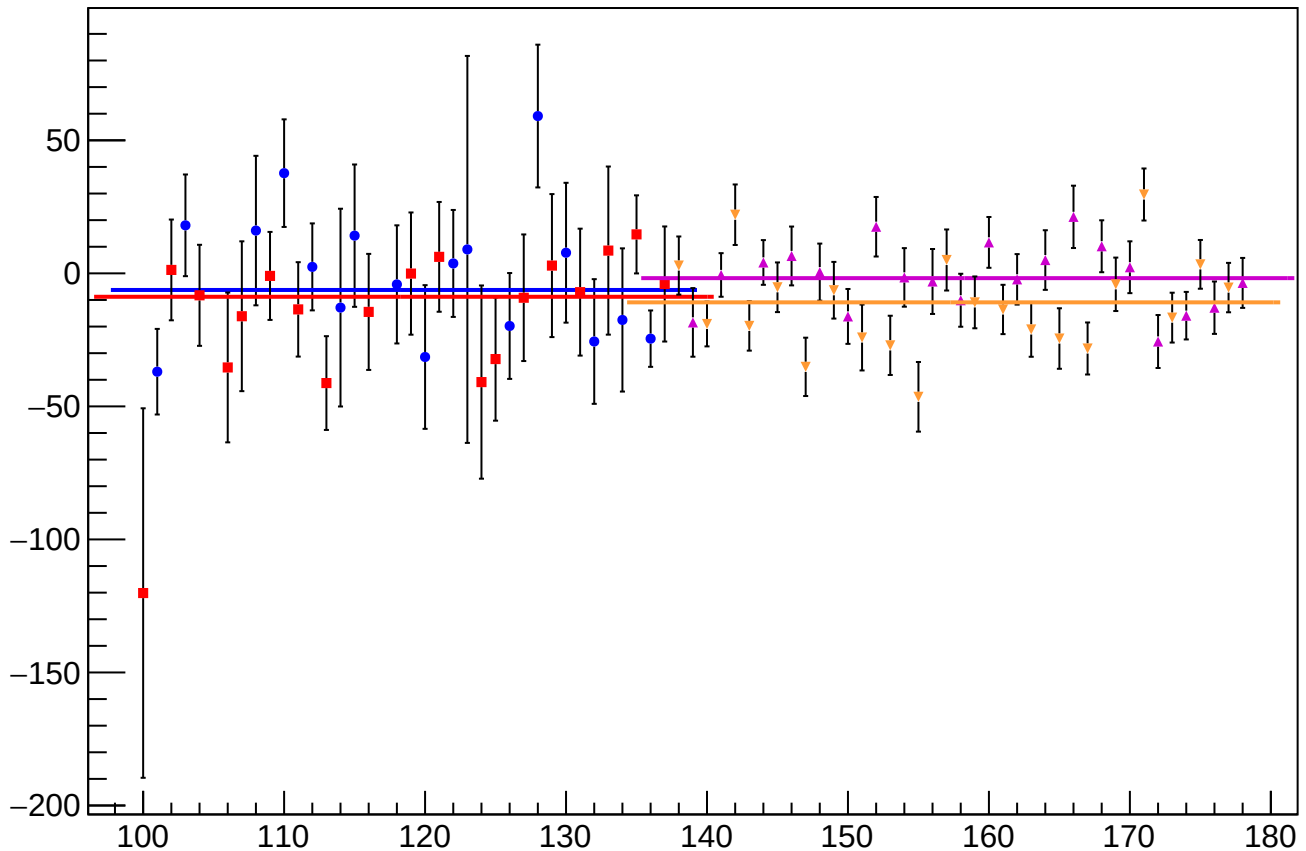
Left In: 7028.950 $\pm$ 1.281 χ^2 /NDF:512444.3/19

+ sign 7236.616 $\pm$ 1.096 χ^2 /NDF: 1177729.1/37

All: 7212.670 $\pm$ 0.773 χ^2 /NDF: 2426962.4/70

- sign 7188.973 $\pm$ 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: -10.899 ± 2.216 χ^2/NDF : 56.2/20

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

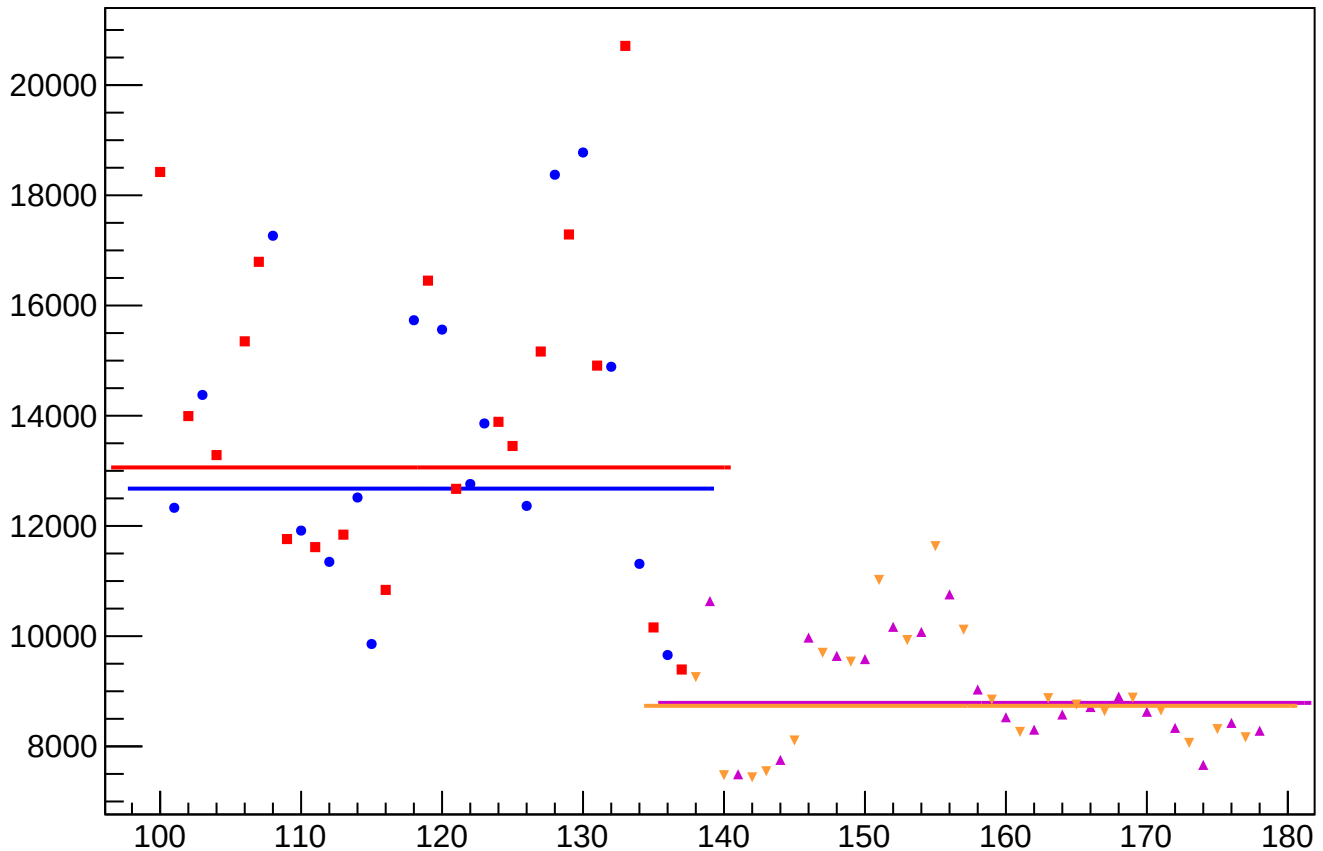
Left In: -1.801 ± 2.253 χ^2/NDF : 25.9/19

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

All: -6.607 ± 1.443 χ^2/NDF : 126.9/76

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

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

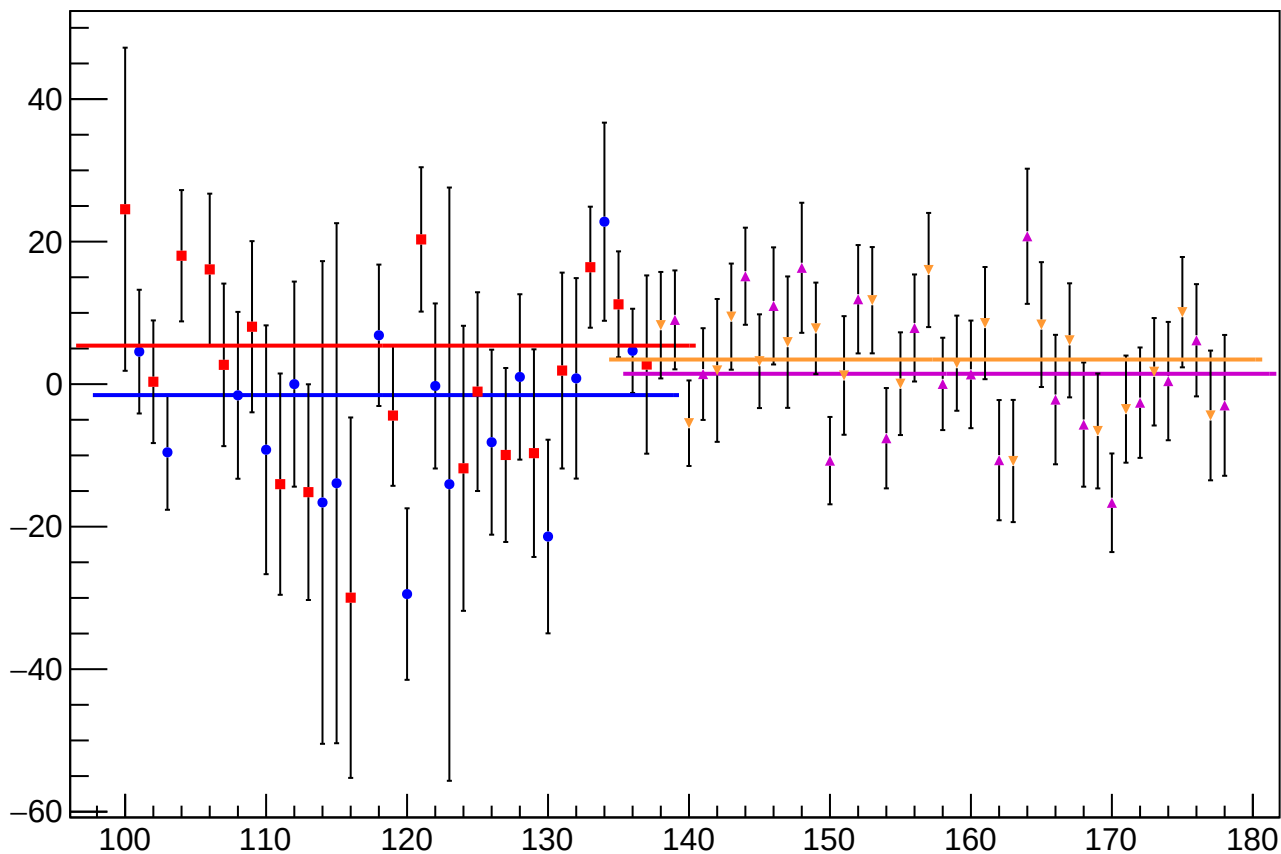
Left In: 8789.045+/-1.593 χ^2/NDF : 332585.3/19

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

All: 9444.060+/-1.020 χ^2/NDF : 4025420.1/76

- 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: 3.455 ± 1.666 χ^2/NDF : 15.4/20

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

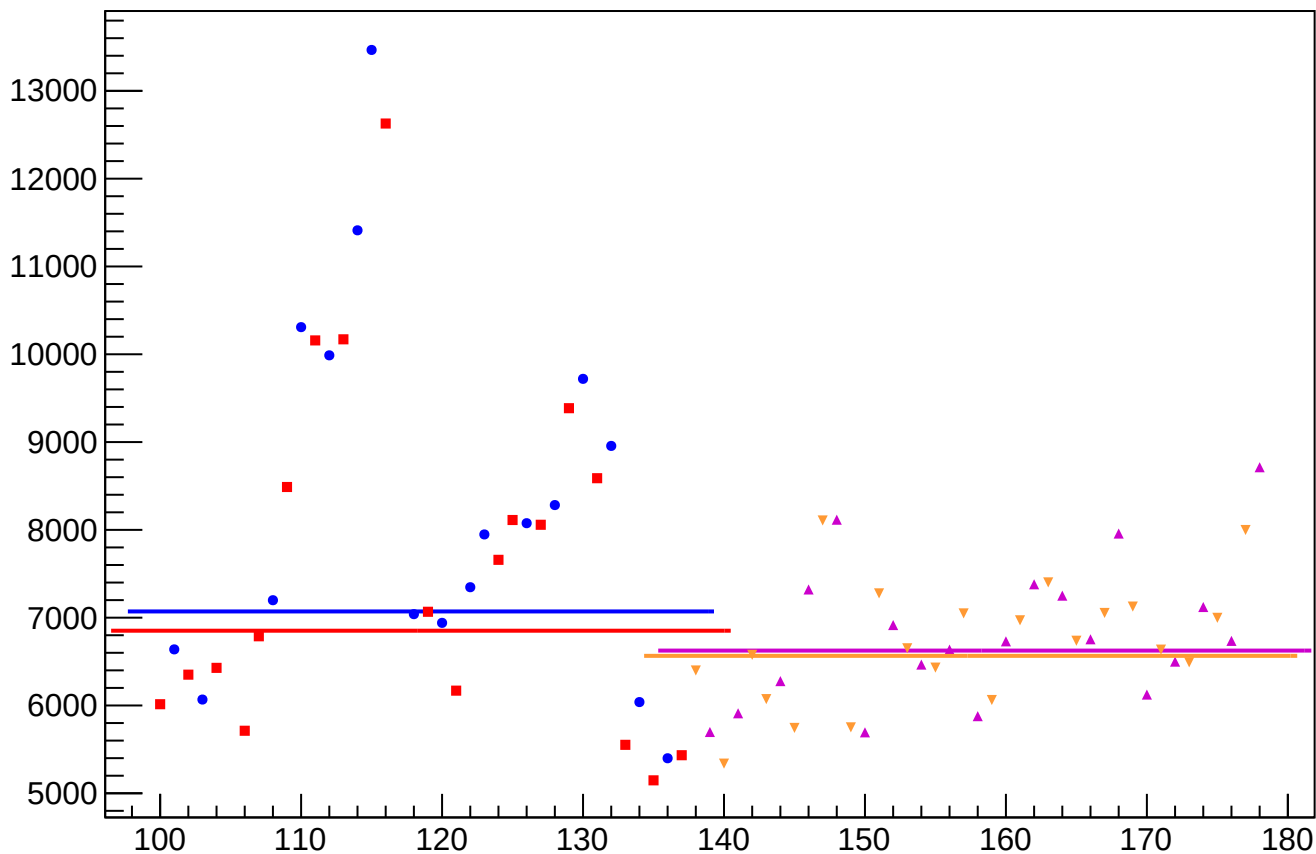
Left In: 1.453 ± 1.702 χ^2/NDF : 32.2/19

+ sign 2.143 ± 1.430 χ^2/NDF : 32.6/37

All: 2.378 ± 1.011 χ^2/NDF : 85.0/76

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

diff_bpm4eY_rms vs Slug



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

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

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

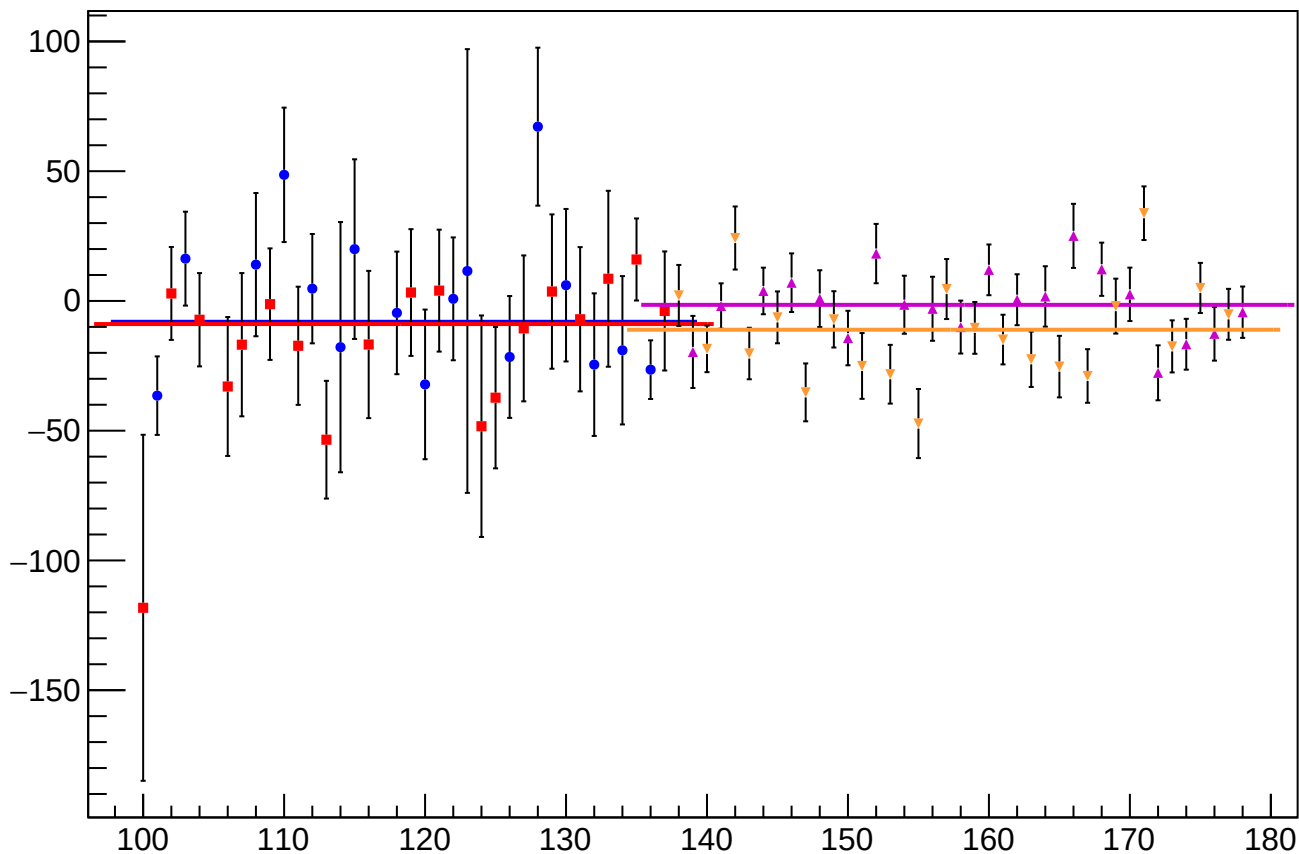
Left In: 6625.240+/-1.203 χ^2/NDF : 390020.8/19

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

All: 6694.929+/-0.715 χ^2/NDF : 2079327.0/76

- sign 6691.704+/-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: -11.094 ± 2.320 χ^2/NDF : 57.9/20

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

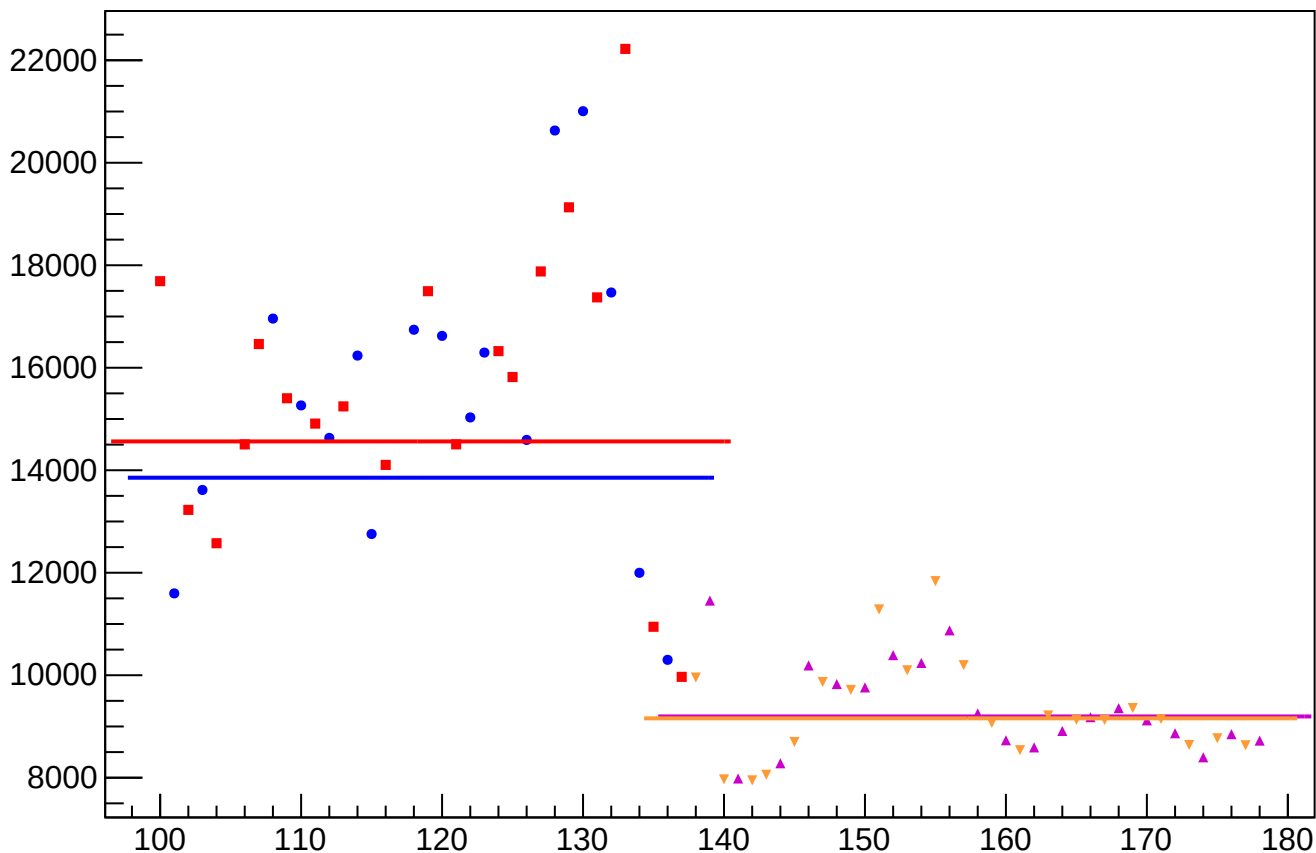
Left In: -1.505 ± 2.354 χ^2/NDF : 26.2/19

+ sign -10.632 ± 2.137 χ^2/NDF : 80.7/37

All: -6.687 ± 1.522 χ^2/NDF : 129.1/76

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

diff_bpm4acX_rms vs Slug



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

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

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

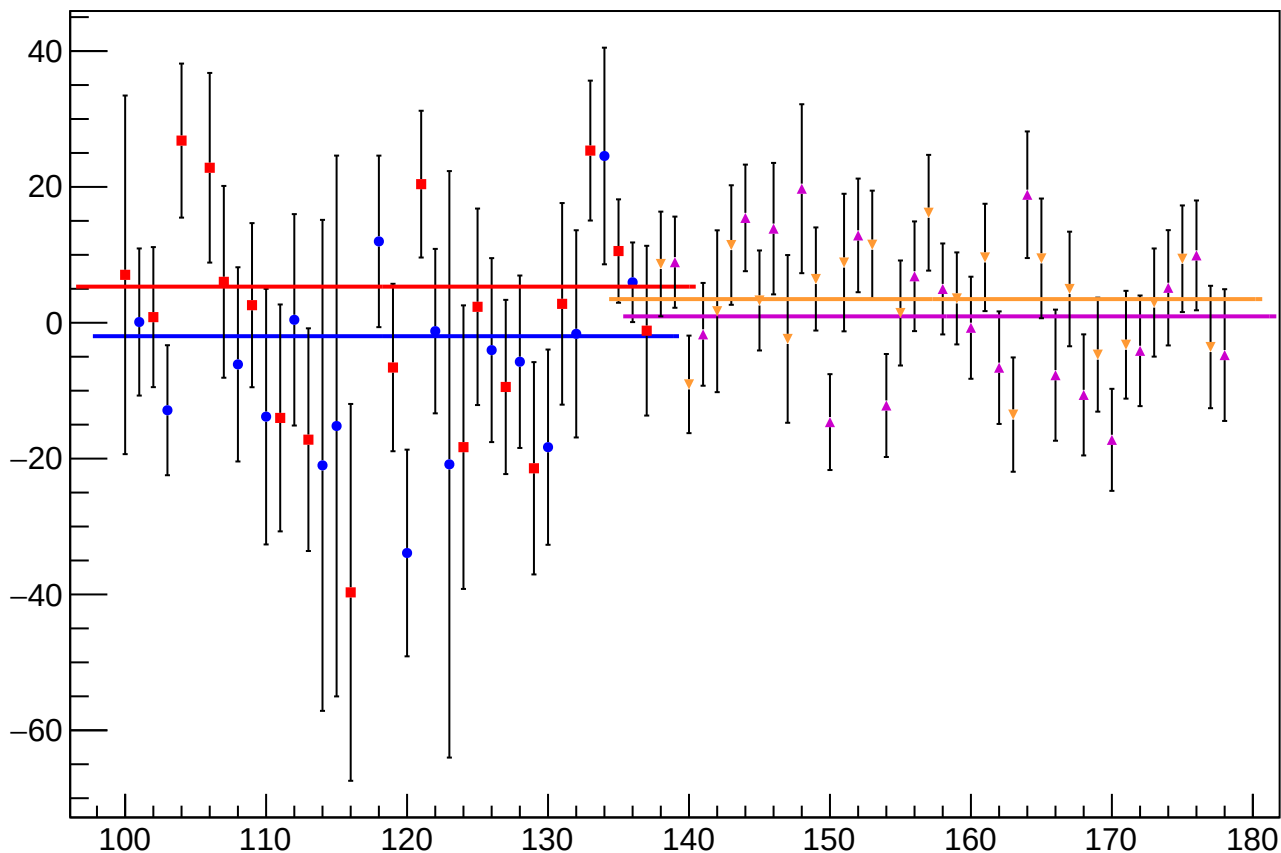
Left In: 9195.901+/-1.665 χ^2/NDF : 252493.3/19

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

All: 9938.264+/-1.076 χ^2/NDF : 4444718.1/70

- sign 10010.129+/-1.533 χ^2/NDF : 2303731.7/38

diff_bpm4acY_mean vs Slug



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

Left Out: 3.483 ± 1.802 $\chi^2/\text{NDF}: 16.4/20$

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

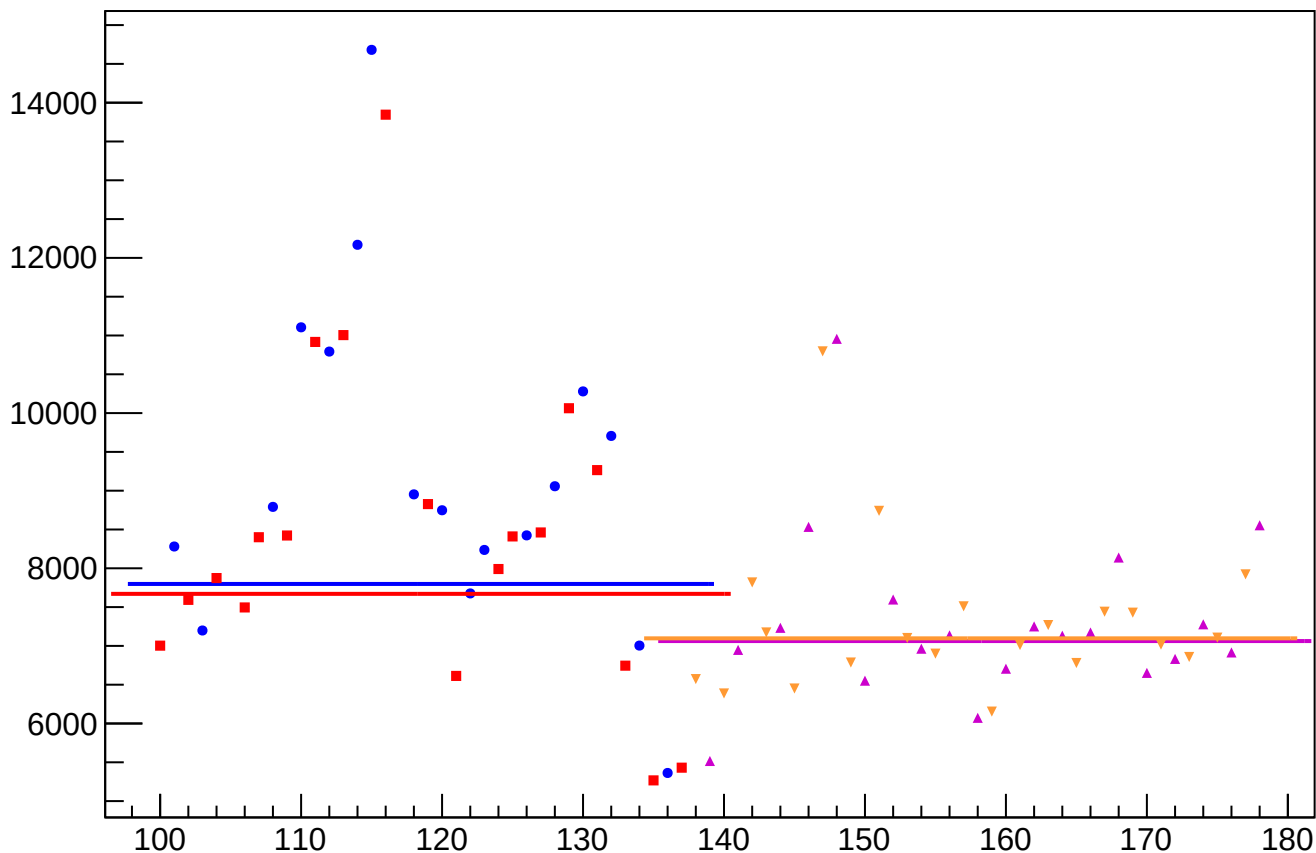
Left In: 0.942 ± 1.819 $\chi^2/\text{NDF}: 34.9/19$

+ sign 2.100 ± 1.557 $\chi^2/\text{NDF}: 32.7/37$

All: 2.121 ± 1.098 $\chi^2/\text{NDF}: 93.5/76$

- sign 2.143 ± 1.550 $\chi^2/\text{NDF}: 60.8/38$

diff_bpm4acY_rms vs Slug



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

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

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

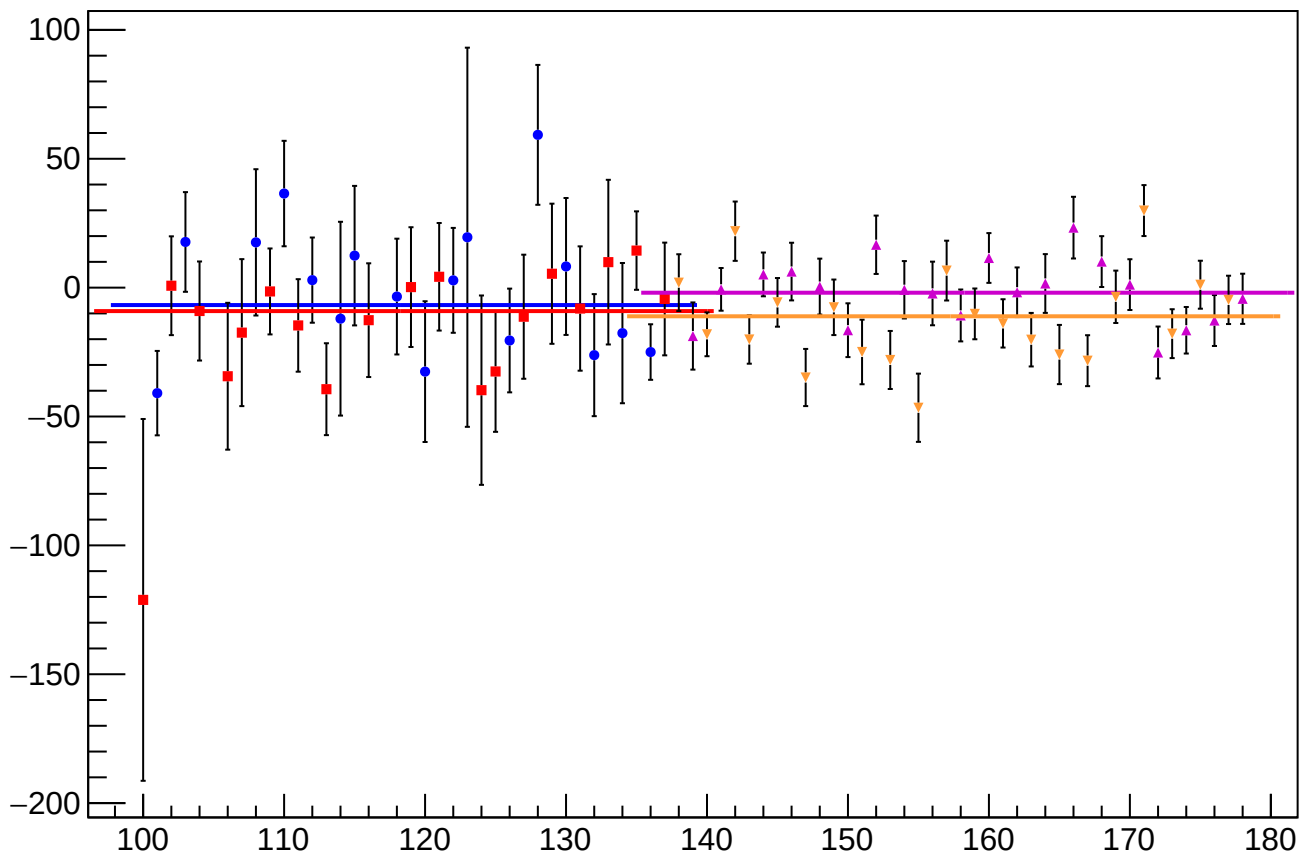
Left In: 7062.318+/-1.286 χ^2/NDF : 504525.5/19

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

All: 7251.943+/-0.777 χ^2/NDF : 2413240.1/70

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

diff_bpm4ecX_mean vs Slug



Right In: -6.760 ± 5.085 $\chi^2/\text{NDF}: 23.7/16$

Left Out: -11.117 ± 2.241 $\chi^2/\text{NDF}: 55.3/20$

Right Out: -9.102 ± 5.070 $\chi^2/\text{NDF}: 12.2/18$

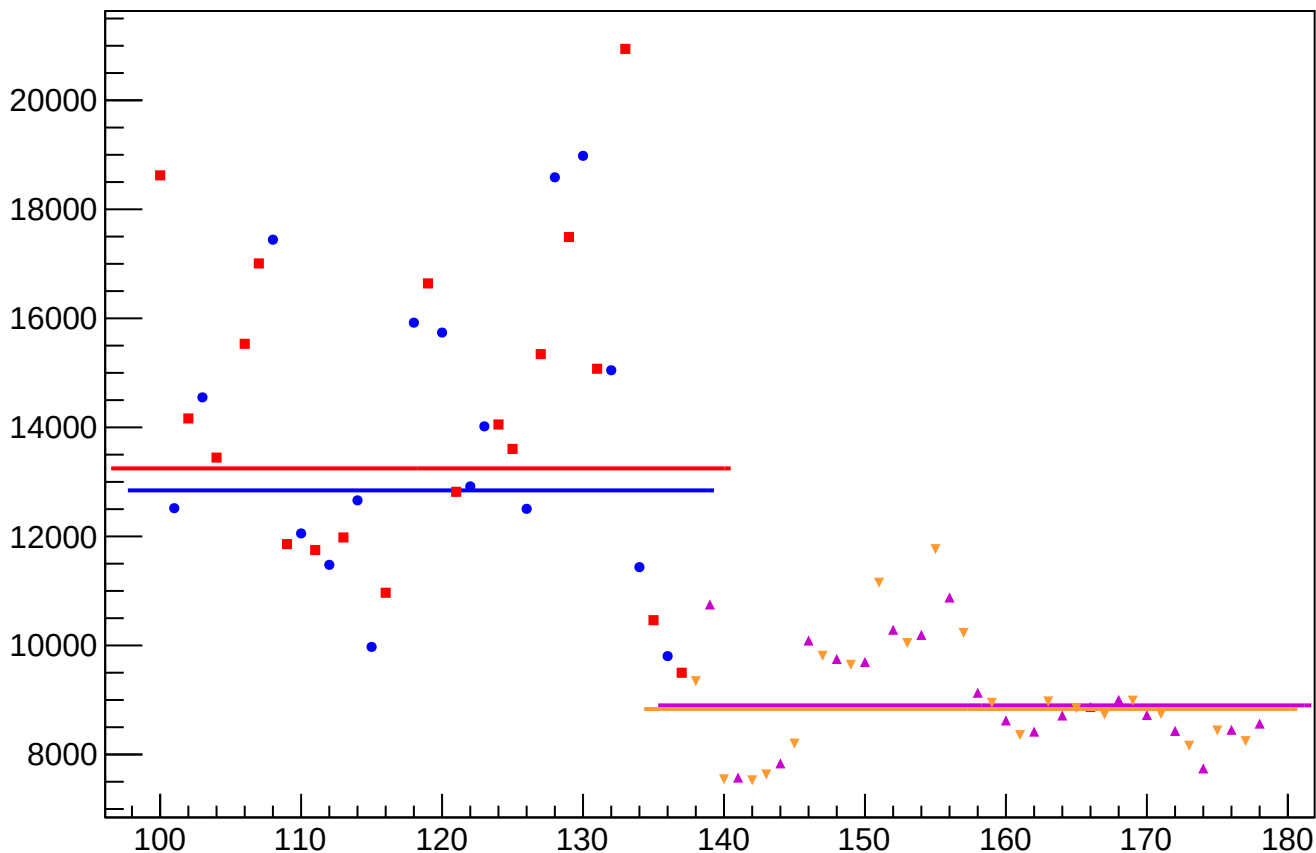
Left In: -1.971 ± 2.282 $\chi^2/\text{NDF}: 25.6/19$

+ sign -10.408 ± 2.051 $\chi^2/\text{NDF}: 79.6/37$

All: -6.843 ± 1.461 $\chi^2/\text{NDF}: 125.3/76$

- sign -3.172 ± 2.081 $\chi^2/\text{NDF}: 39.5/38$

diff_bpm4ecX_rms vs Slug



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

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

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

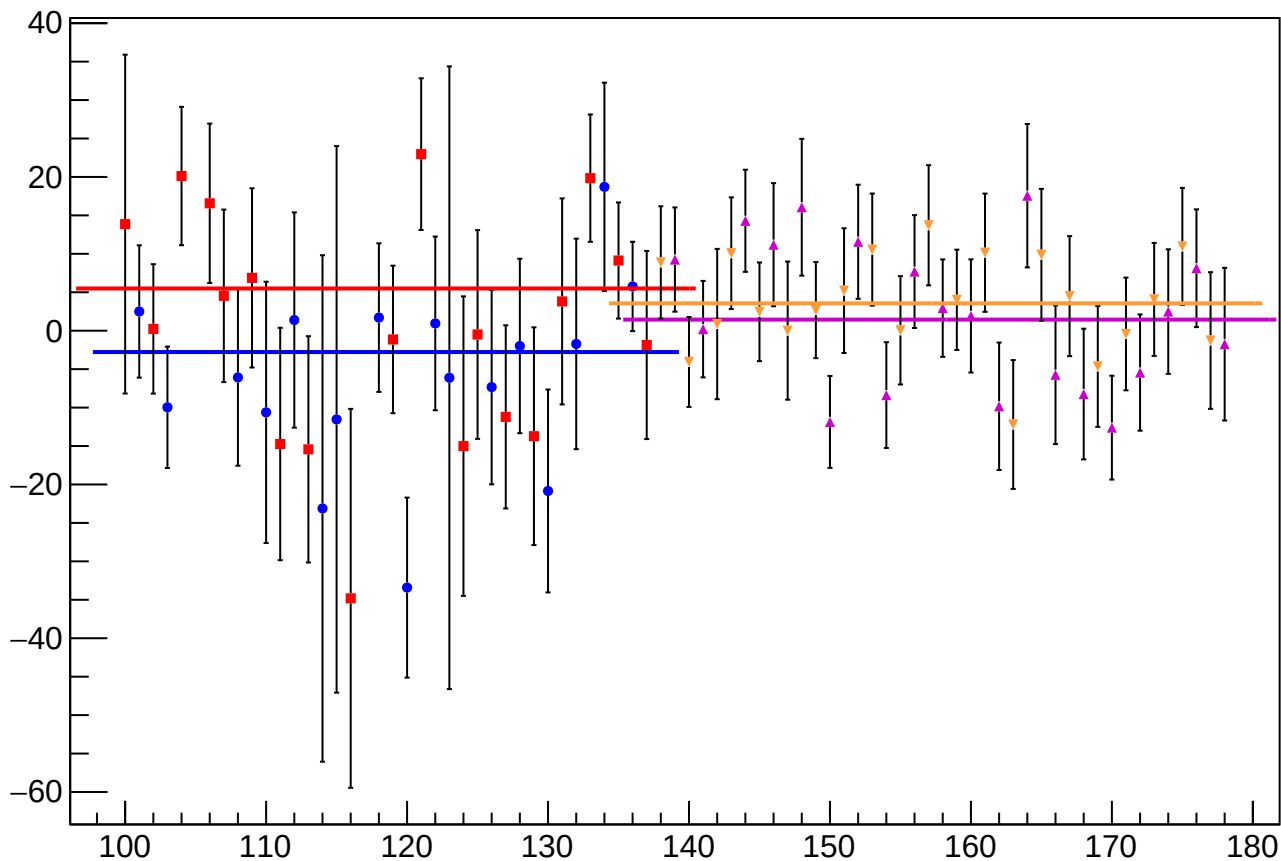
Right Out: 13247.253+/-3.585 χ^2/NDF : 485481.6/18

All: 9558.493+/-1.033 χ^2/NDF : 4023752.0/70

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

- 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: 3.557 ± 1.627 χ^2/NDF : 13.7/20

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

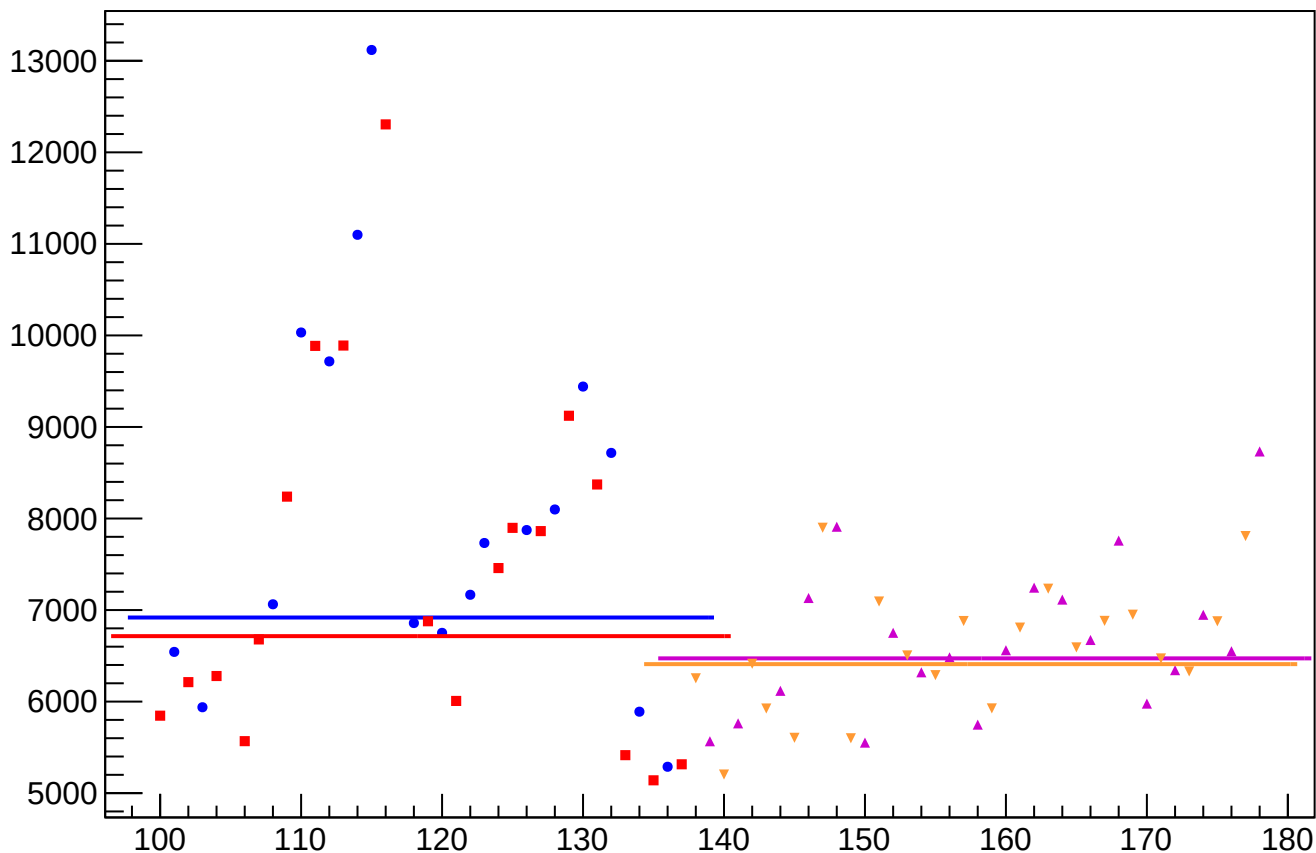
Left In: 1.445 ± 1.664 χ^2/NDF : 31.7/19

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

All: 2.264 ± 0.989 χ^2/NDF : 90.3/76

- 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: 6409.183+/-1.150 χ^2/NDF : 348087.4/20

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

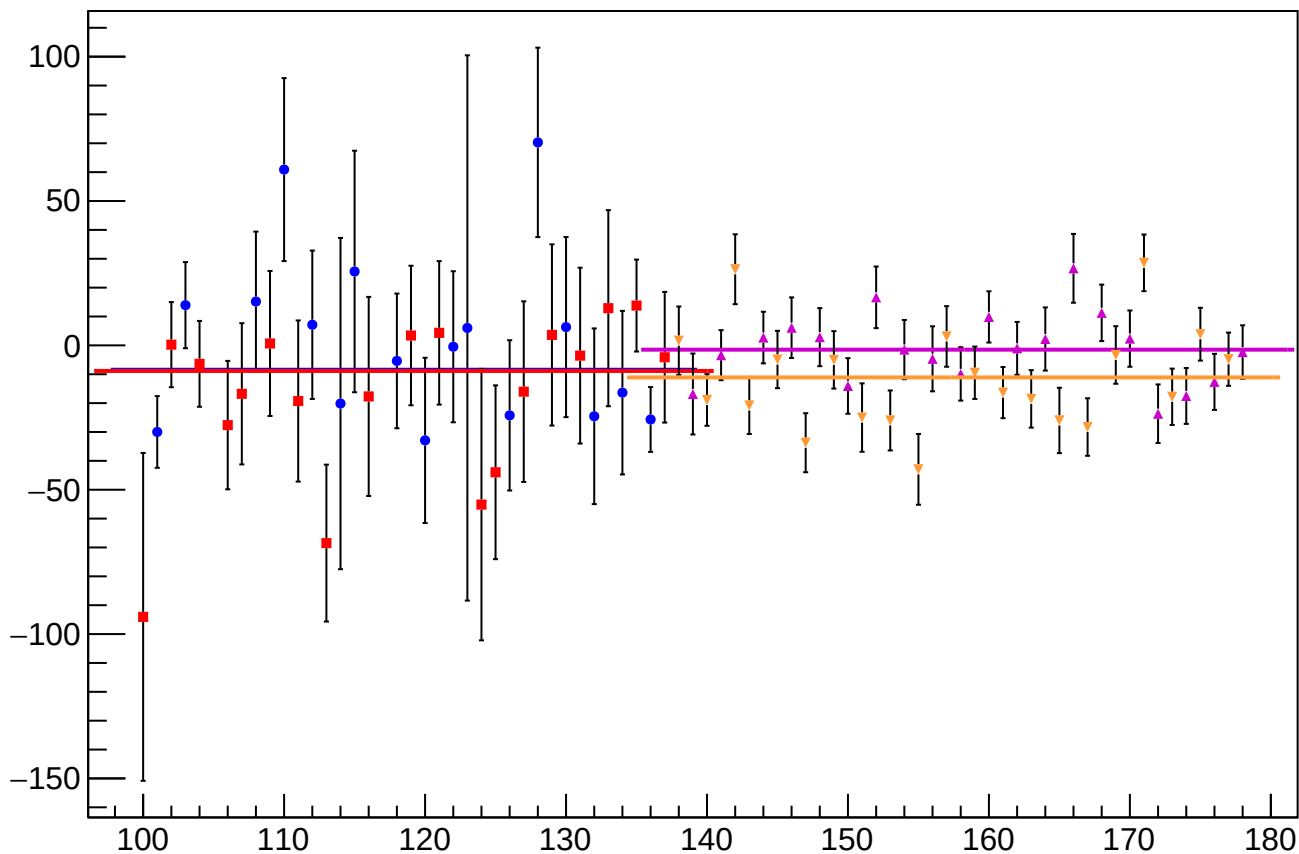
Left In: 6472.121+/-1.176 χ^2/NDF : 406146.2/19

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

All: 6542.831+/-0.699 χ^2/NDF : 2061077.0/76

- 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: -11.100 ± 2.202 χ^2/NDF : 56.4/20

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

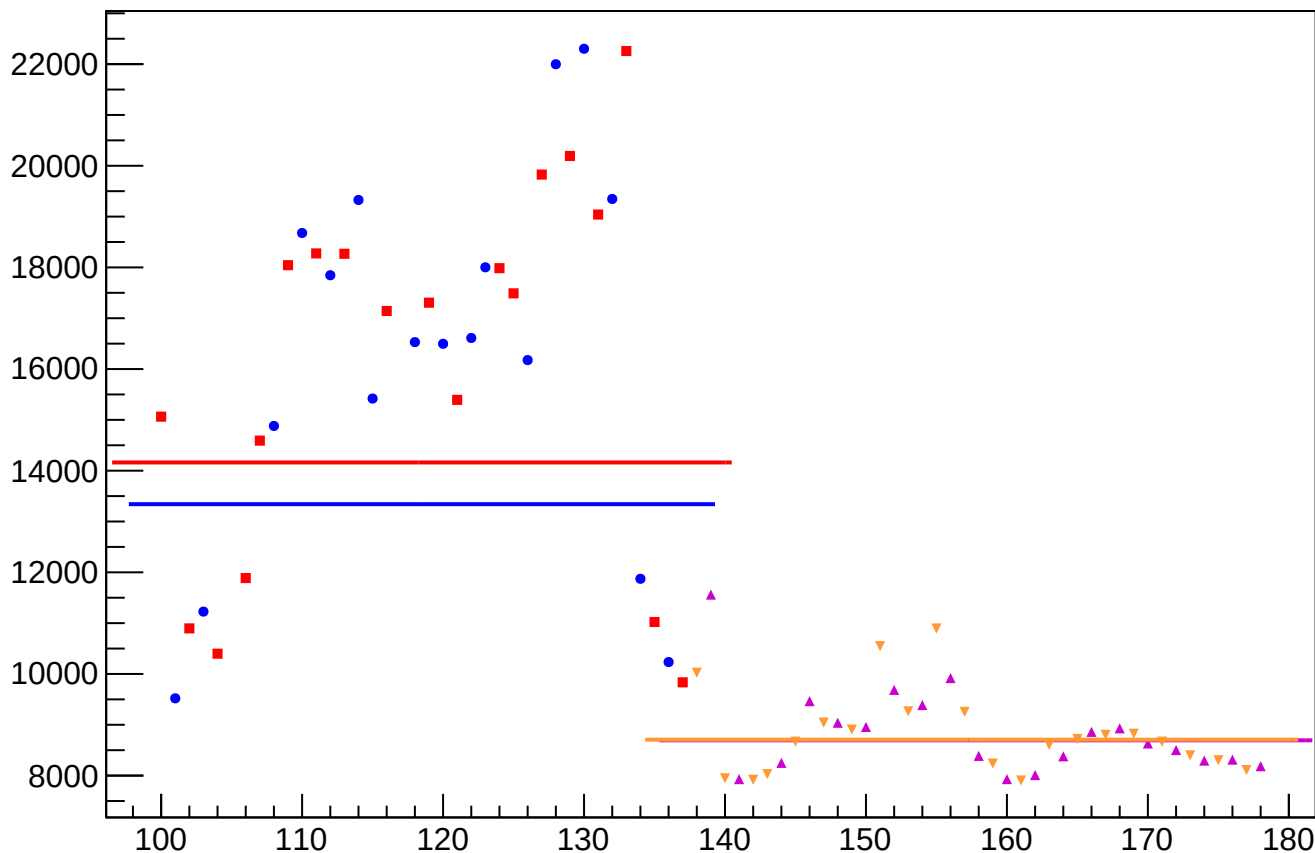
Left In: -1.490 ± 2.224 χ^2/NDF : 25.7/19

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

All: -6.669 ± 1.450 χ^2/NDF : 128.1/76

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

diff_bpm1X_rms vs Slug



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

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

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

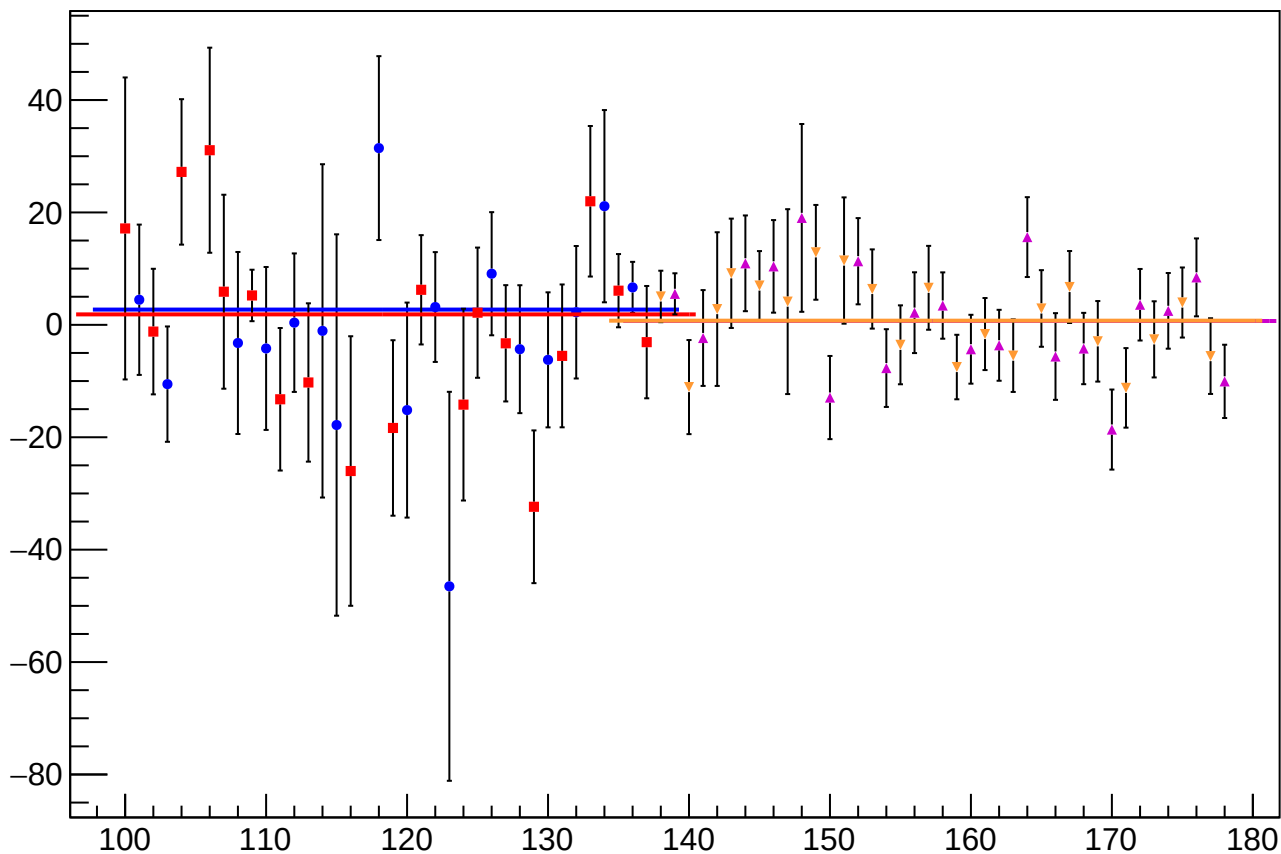
Left In: 8694.153+/-1.573 χ^2/NDF : 213572.1/19

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

All: 9414.457+/-1.025 χ^2/NDF : 5372114.6/70

- sign 9460.776+/-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: 0.742 ± 1.539 χ^2/NDF : 18.0/20

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

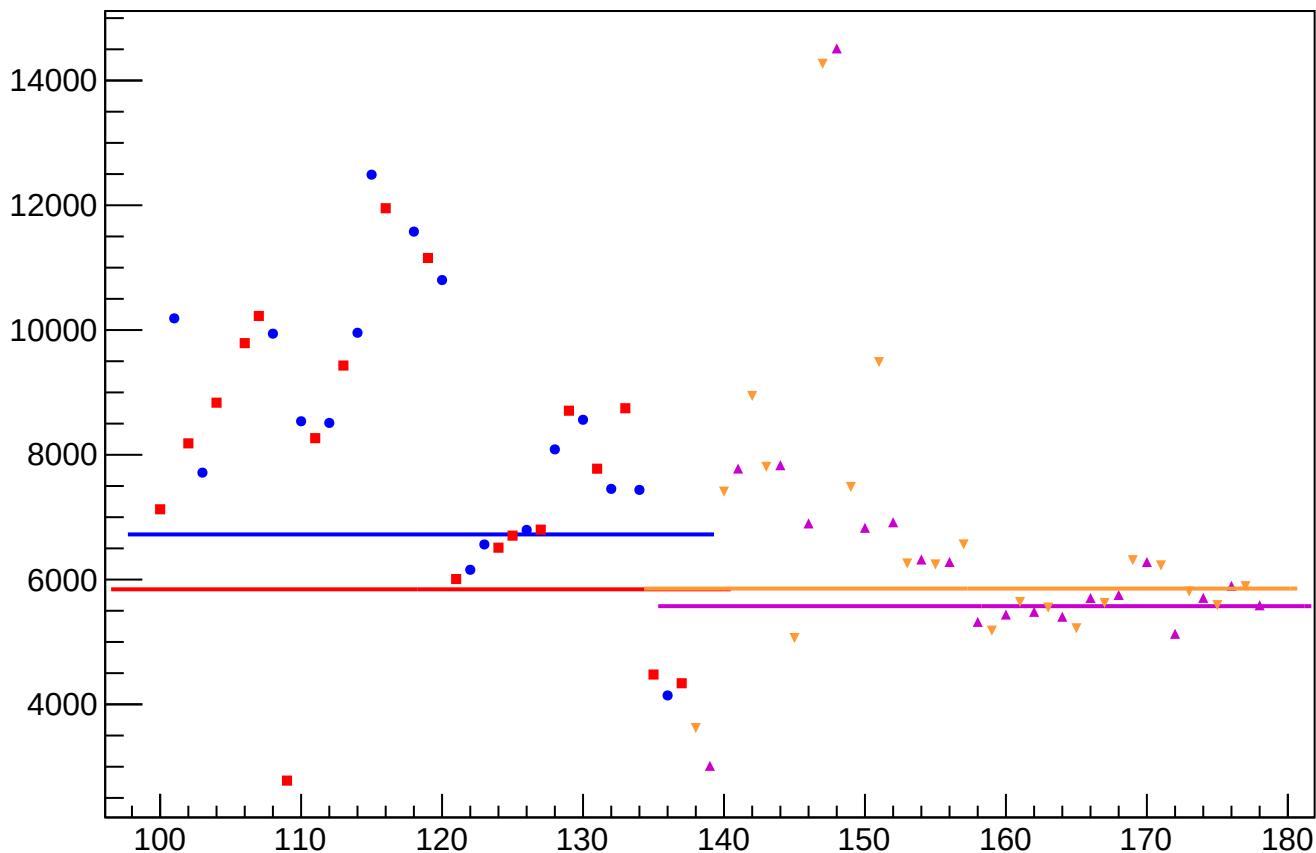
Left In: 0.684 ± 1.492 χ^2/NDF : 31.4/19

+ sign 1.212 ± 1.343 χ^2/NDF : 30.0/37

All: 1.103 ± 0.924 χ^2/NDF : 85.1/76

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

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

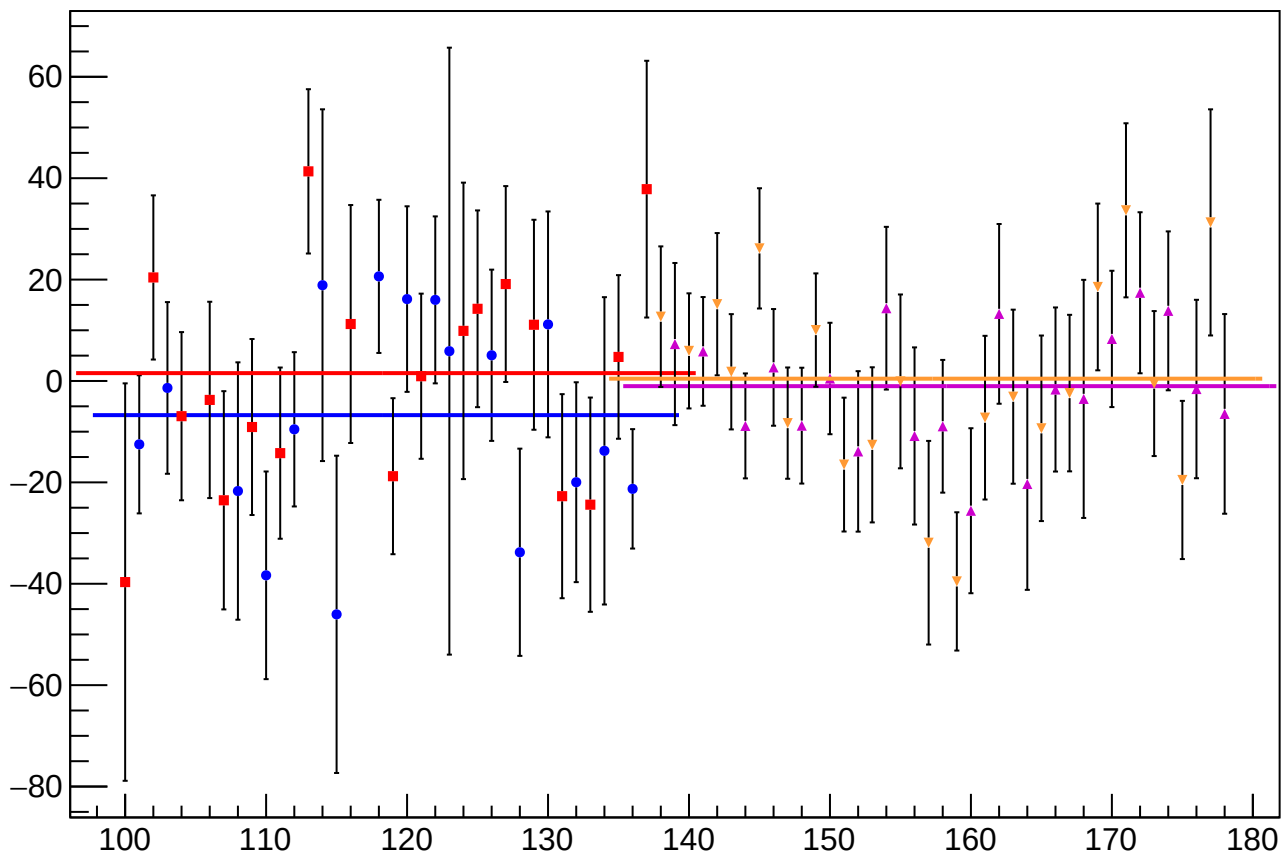
Left In: 5573.803+/-1.055 χ^2/NDF : 2084872.5/19

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

All: 5843.783+/-0.653 χ^2/NDF : 7695161.2/76

- 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: 0.453 ± 3.116 χ^2/NDF : 30.9/20

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

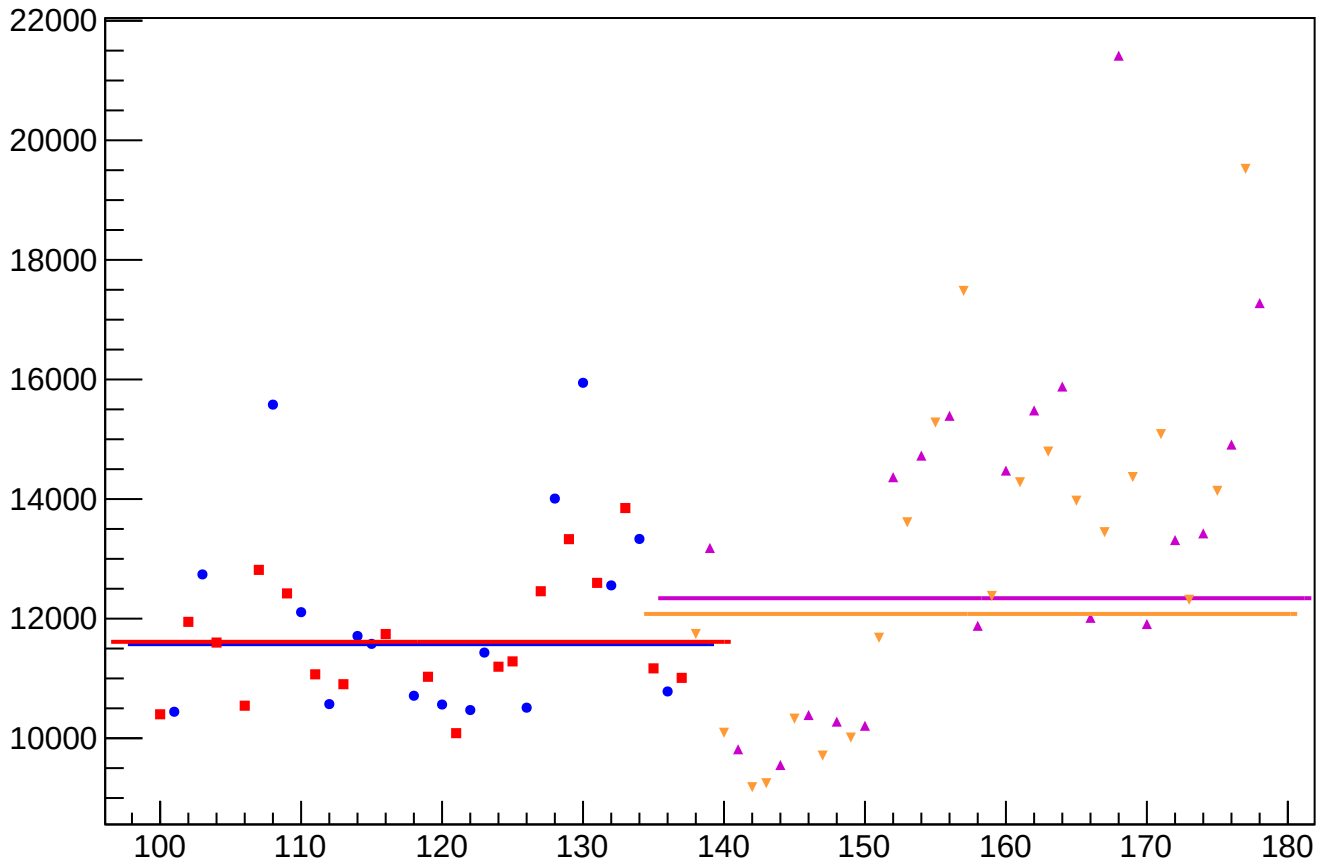
Left In: -1.021 ± 3.216 χ^2/NDF : 10.7/19

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

All: -1.002 ± 1.823 χ^2/NDF : 80.6/76

- 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: 12078.868 $\pm$ 2.204 χ^2 /NDF:1196758.1/20

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

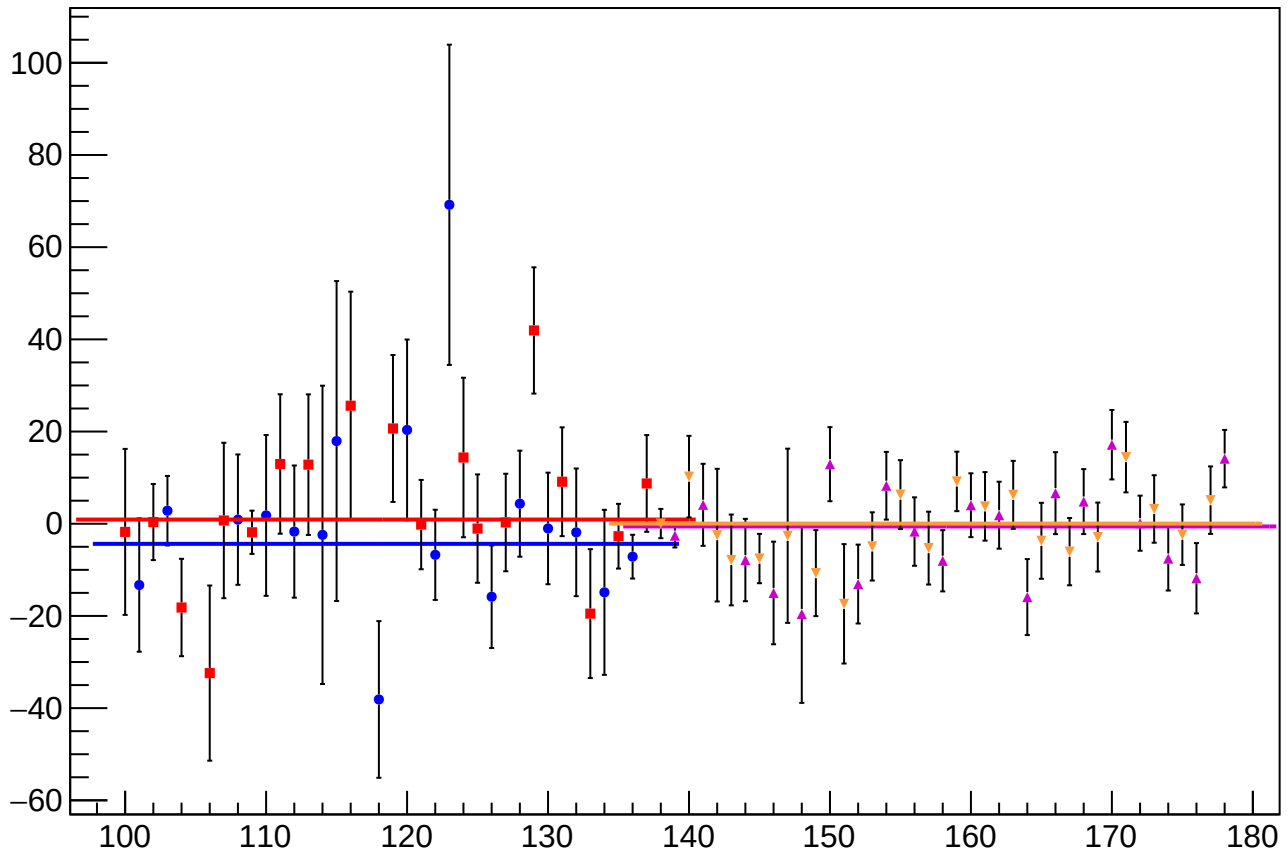
Left In: 12341.676 $\pm$ 2.274 χ^2 /NDF:1241849.2/19

+ sign 11915.680 $\pm$ 1.813 χ^2 /NDF: 1452475.3/37

All: 11999.750 $\pm$ 1.289 χ^2 /NDF: 2829097.7/77

- 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: 0.035 ± 1.536 χ^2/NDF : 17.2/20

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

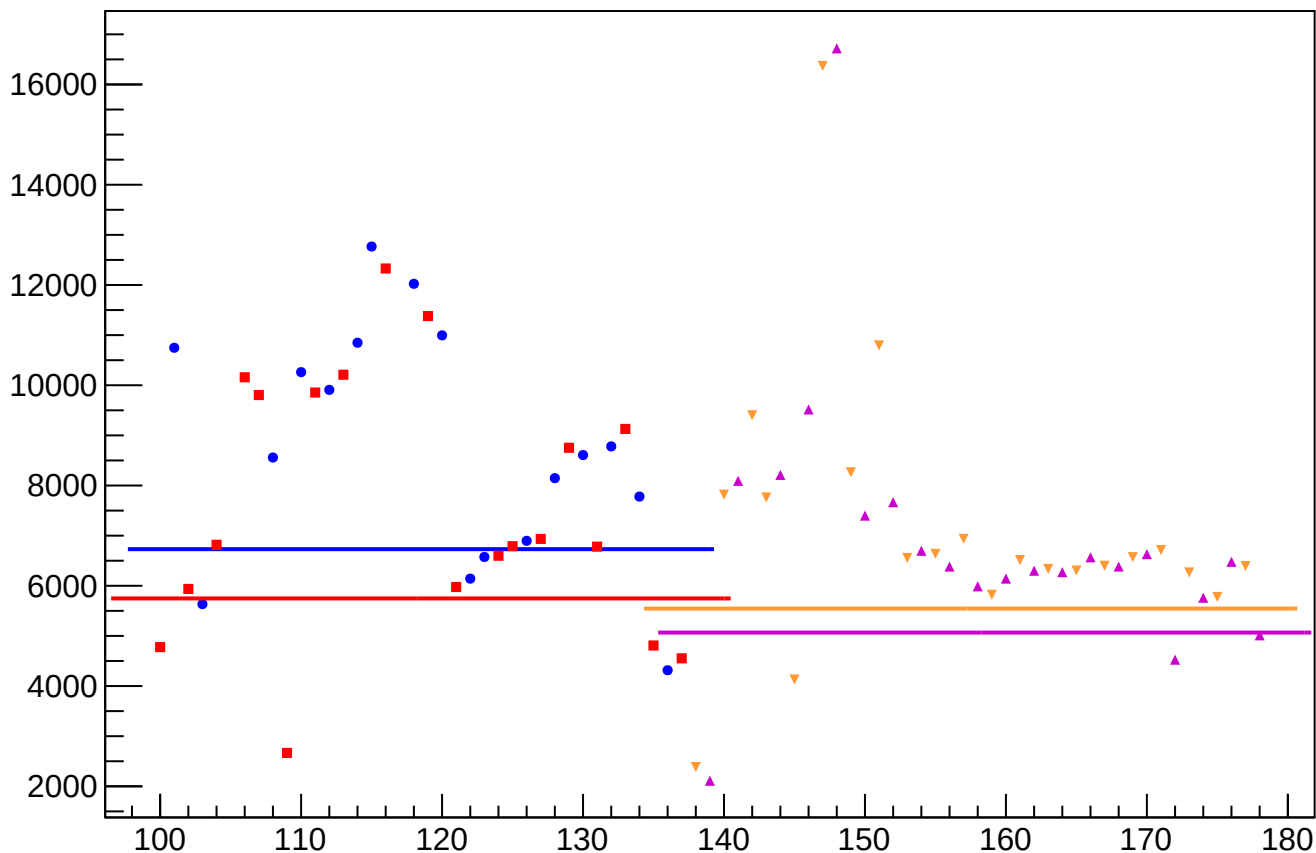
Left In: -0.592 ± 1.453 χ^2/NDF : 31.4/19

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

All: -0.565 ± 0.914 χ^2/NDF : 89.1/76

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

diff_bpm11Y_rms vs Slug



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

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

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

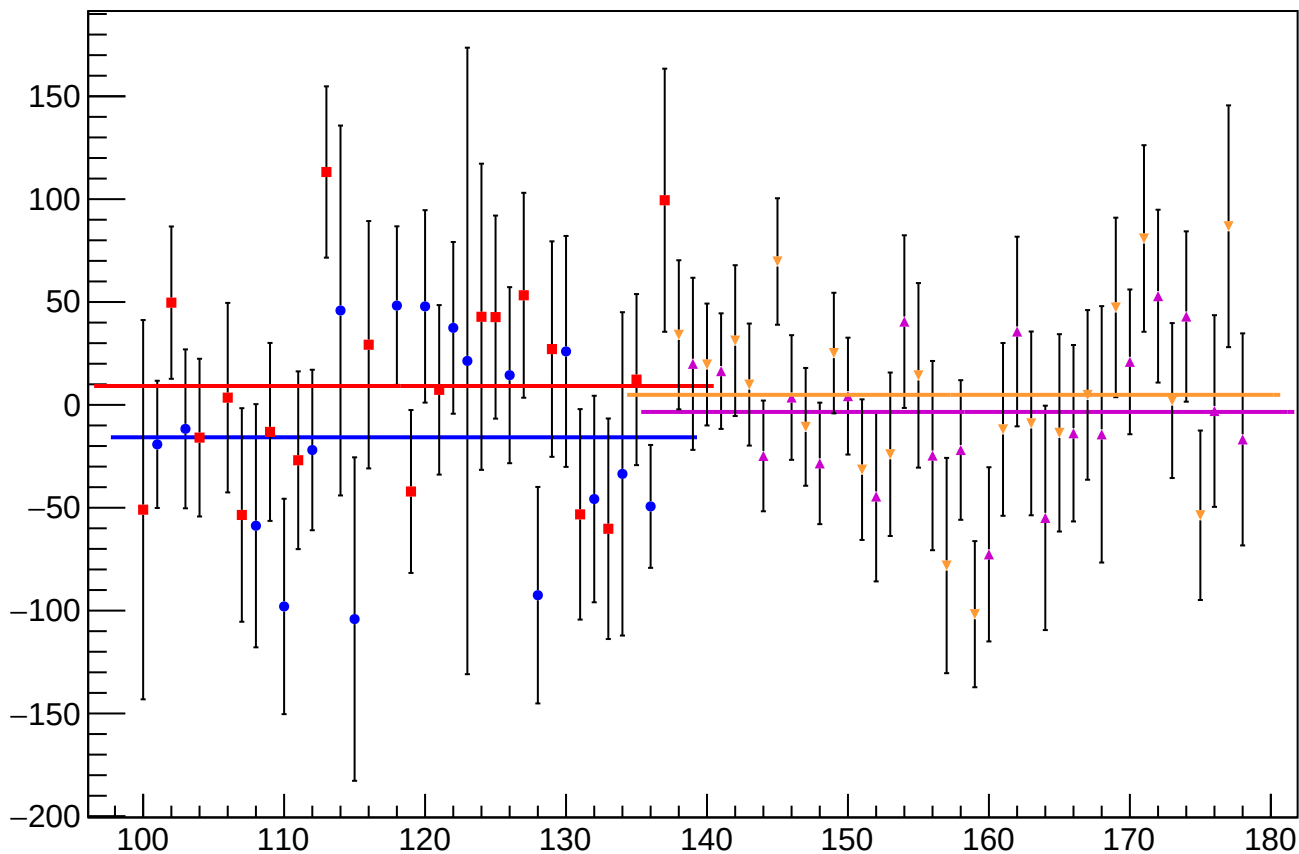
Left In: 5066.823 $\pm$ 1.028 χ^2 /NDF: 5213350.6/19

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

All: 5513.297 $\pm$ 0.646 χ^2 /NDF: 13443115.1/7

- sign 5246.589 $\pm$ 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: 4.881 ± 8.150 χ^2/NDF : 28.0/20

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

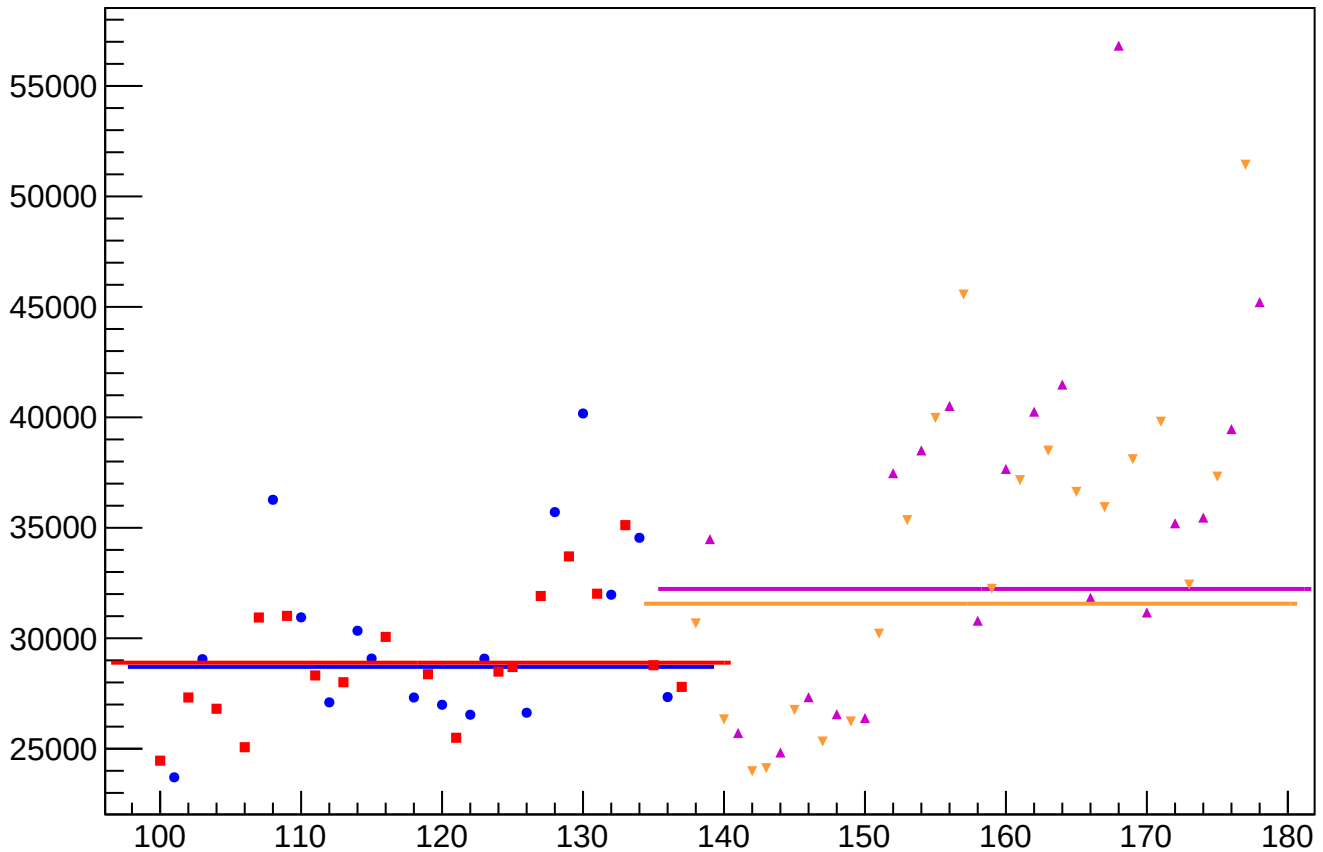
Left In: -3.429 ± 8.406 χ^2/NDF : 12.9/19

+ sign -2.255 ± 6.591 χ^2/NDF : 46.2/37

All: -0.505 ± 4.683 χ^2/NDF : 79.3/76

- 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: 31565.092+/-5.763 χ^2/NDF : 1228535.9/20

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

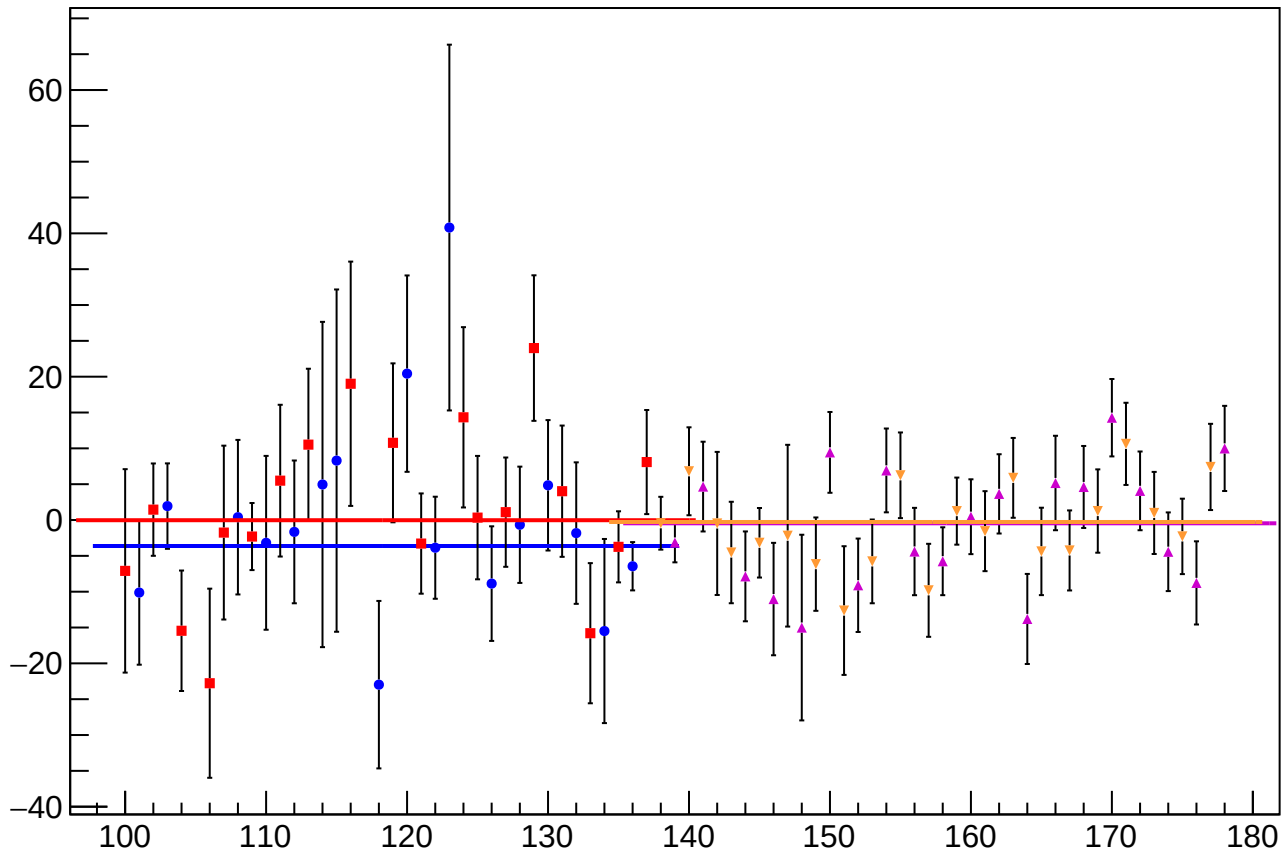
Left In: 32232.431+/-5.944 χ^2/NDF : 1282822.4/19

+ sign 30576.049+/-4.661 χ^2/NDF : 1564693.4/37

All: 30779.315+/-3.311 χ^2/NDF : 3080254.3/7

- 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: -0.274 ± 1.271 χ^2/NDF : 16.9/20

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

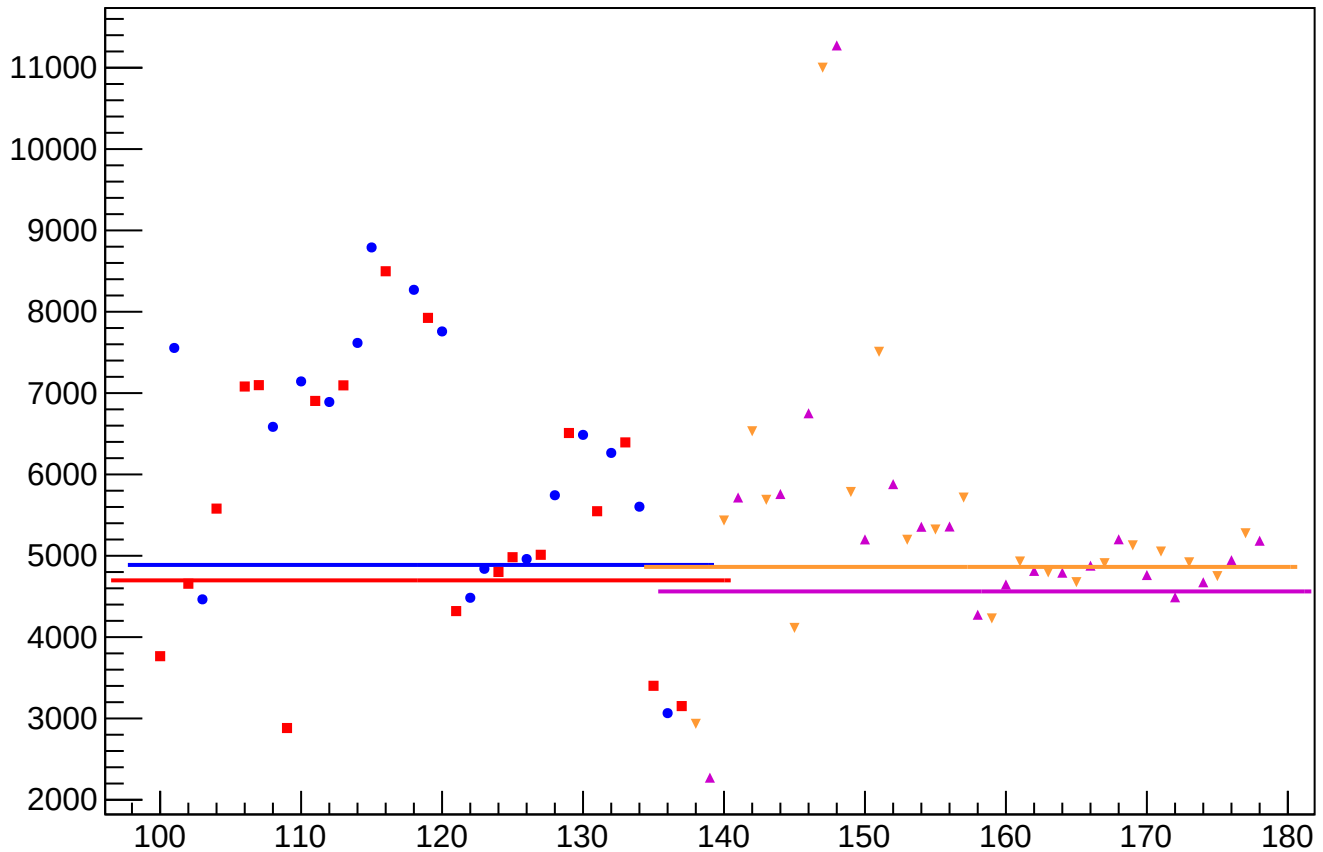
Left In: -0.458 ± 1.224 χ^2/NDF : 34.6/19

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

All: -0.763 ± 0.742 χ^2/NDF : 89.7/76

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

diff_bpm12Y_rms vs Slug



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

Left Out: 4863.142 $\pm$ 0.899 χ^2 /NDF:1487367.9/20

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

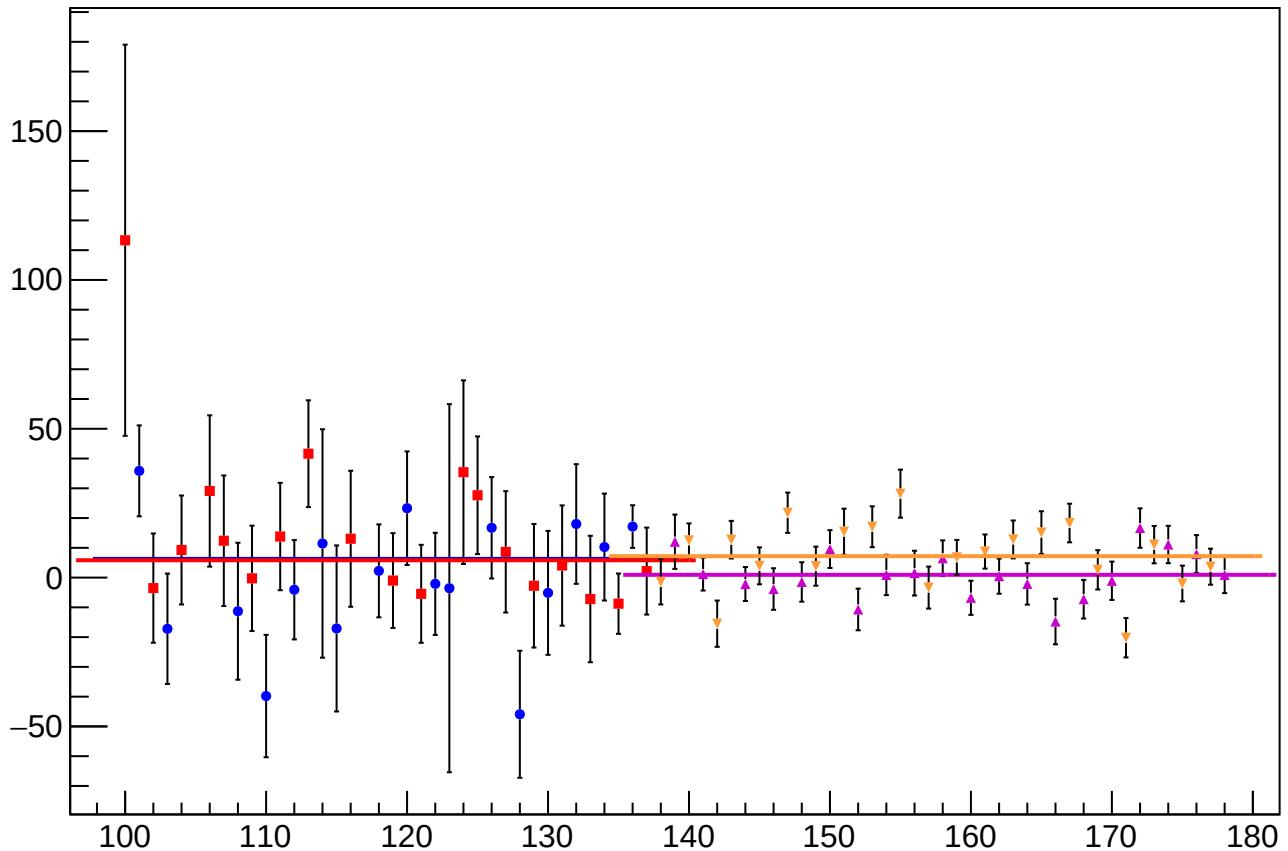
Left In: 4561.707 $\pm$ 0.866 χ^2 /NDF:2467029.0/19

+ sign 4870.122 $\pm$ 0.759 χ^2 /NDF: 2896875.4/37

All: 4730.158 $\pm$ 0.525 χ^2 /NDF: 6749463.2/70

- sign 4601.919 $\pm$ 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: 7.196 ± 1.432 χ^2/NDF : 54.6/20

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

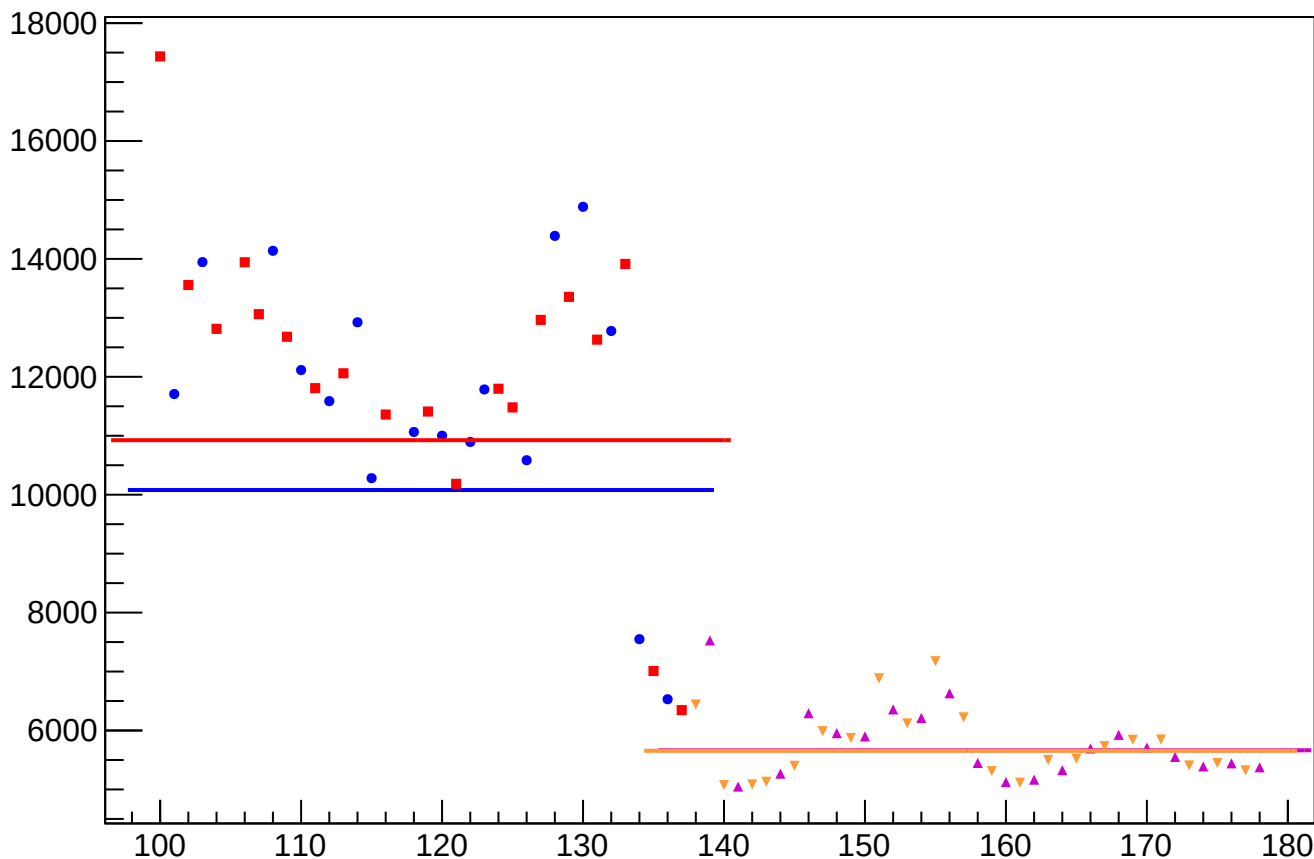
Left In: 0.934 ± 1.450 χ^2/NDF : 25.2/19

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

All: 4.317 ± 0.962 χ^2/NDF : 126.0/76

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

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

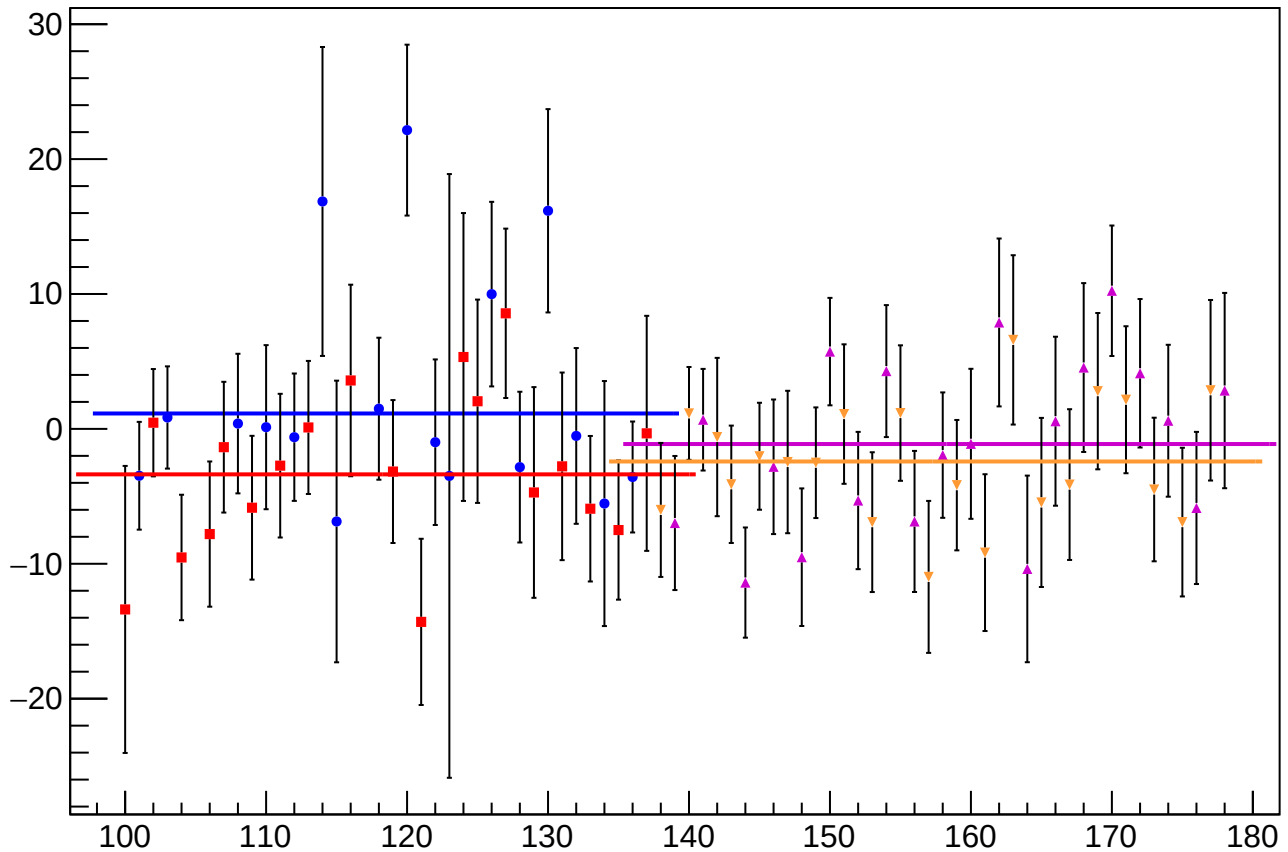
Left In: 5664.409 $\pm$ 1.026 χ^2 /NDF: 260229.0/19

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

All: 6181.963 $\pm$ 0.681 χ^2 /NDF: 7176343.7/76

- 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: -2.416 ± 1.104 χ^2/NDF : 12.7/20

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

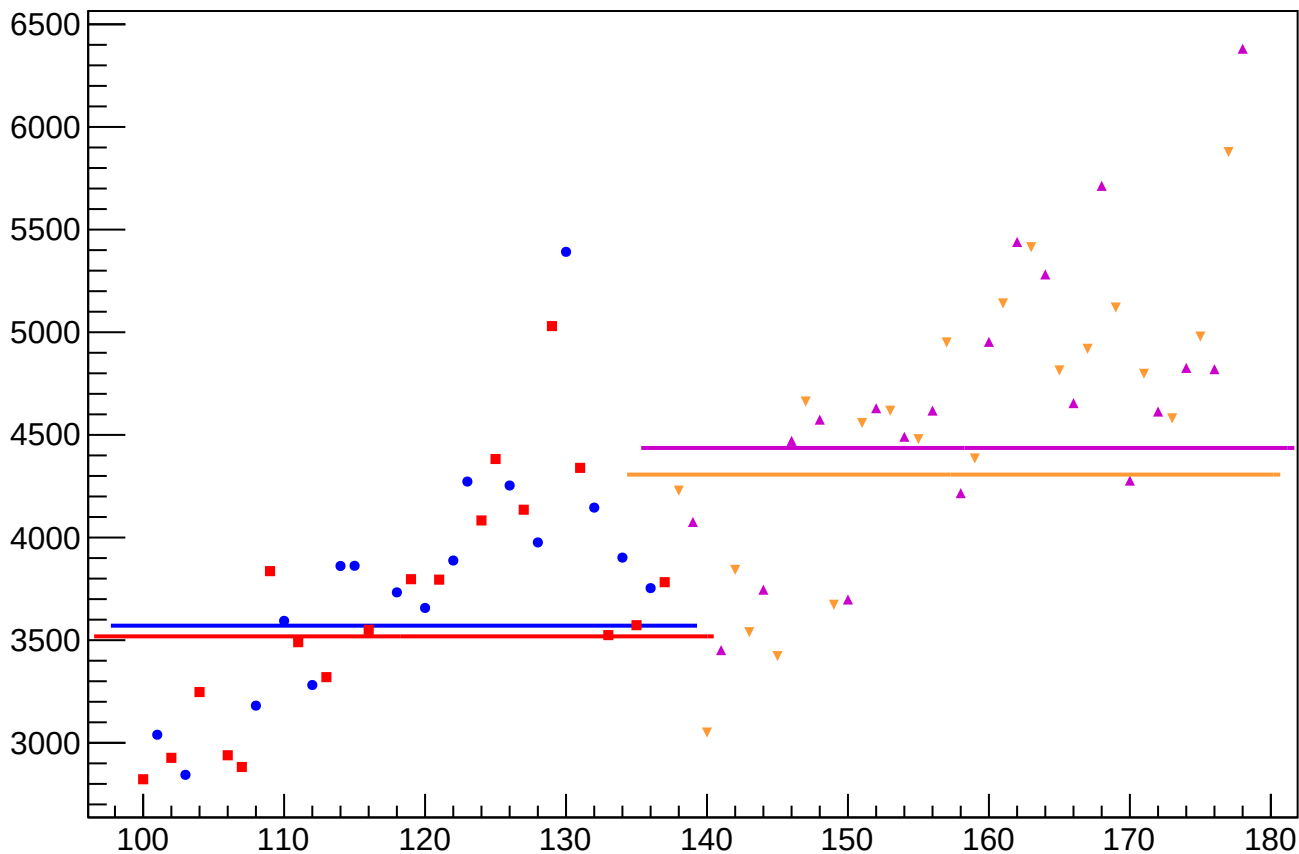
Left In: -1.123 ± 1.144 χ^2/NDF : 29.2/19

+ sign -1.046 ± 0.866 χ^2/NDF : 40.0/37

All: -1.560 ± 0.613 χ^2/NDF : 86.5/76

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

diff_bpm16Y_rms vs Slug



Right In: 3570.707 ± 0.987 $\chi^2/\text{NDF}: 309568.0/16$

Left Out: 4306.662 ± 0.780 $\chi^2/\text{NDF}: 880721.3/20$

Right Out: 3518.621 ± 0.943 $\chi^2/\text{NDF}: 293227.8/18$

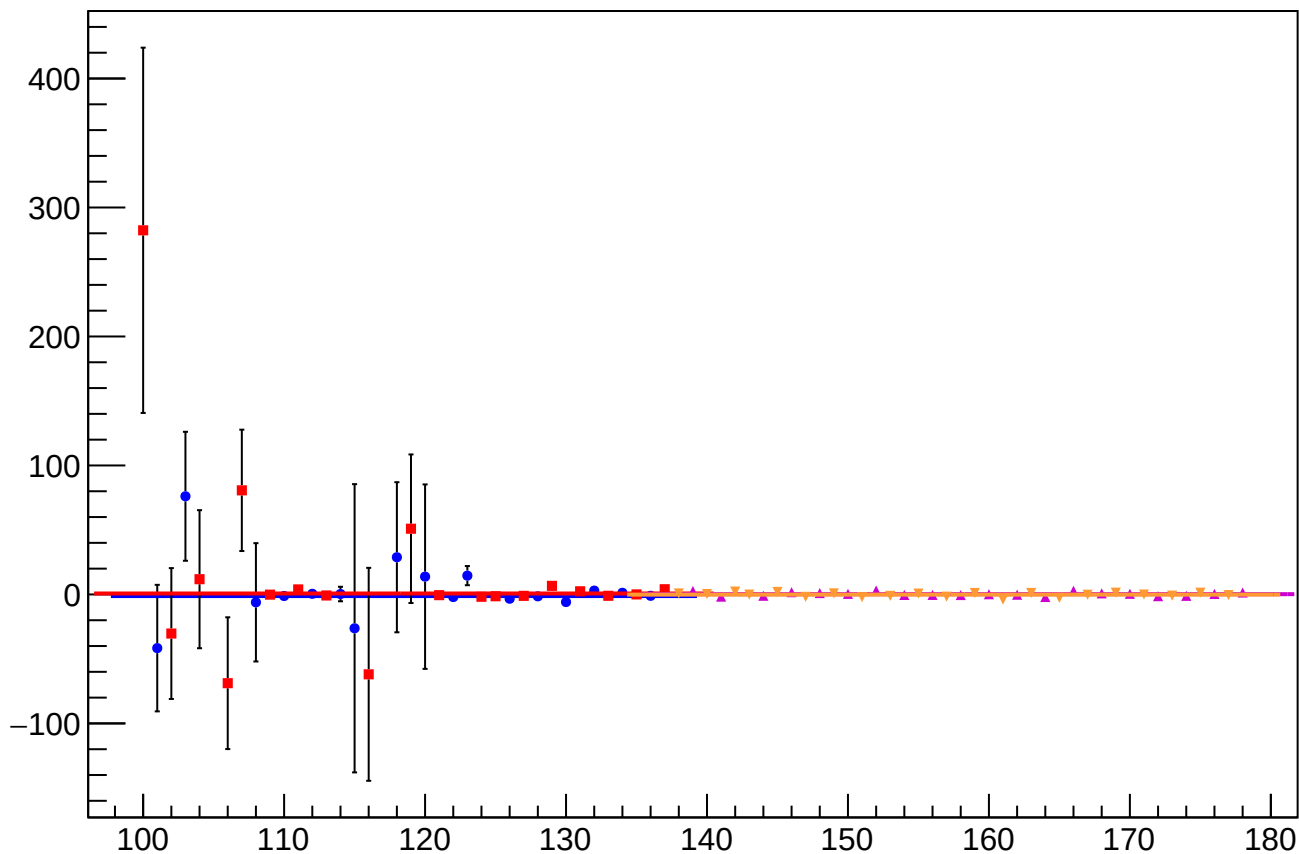
Left In: 4436.426 ± 0.809 $\chi^2/\text{NDF}: 636829.0/19$

+ sign 4023.379 ± 0.612 $\chi^2/\text{NDF}: 1532575.9/37$

All: 4035.193 ± 0.433 $\chi^2/\text{NDF}: 3009181.7/70$

- sign 4047.080 ± 0.614 $\chi^2/\text{NDF}: 1475858.4/38$

diff_bpm1p02bX_mean vs Slug



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

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

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

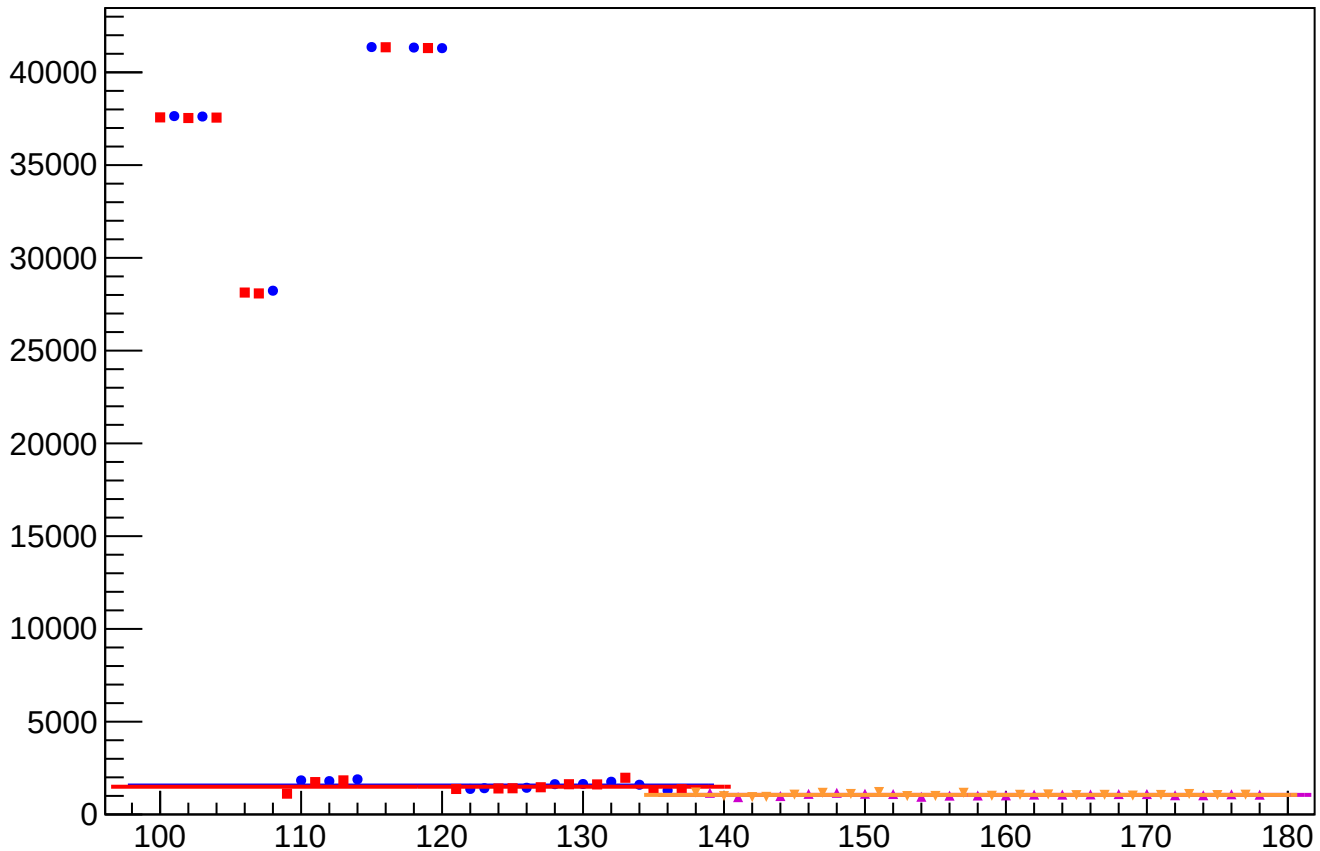
Left In: 0.209 ± 0.269 χ^2/NDF : 26.2/19

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

All: 0.008 ± 0.178 χ^2/NDF : 103.0/76

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

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1054.215+/-0.188 χ^2/NDF :134879.2/20

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

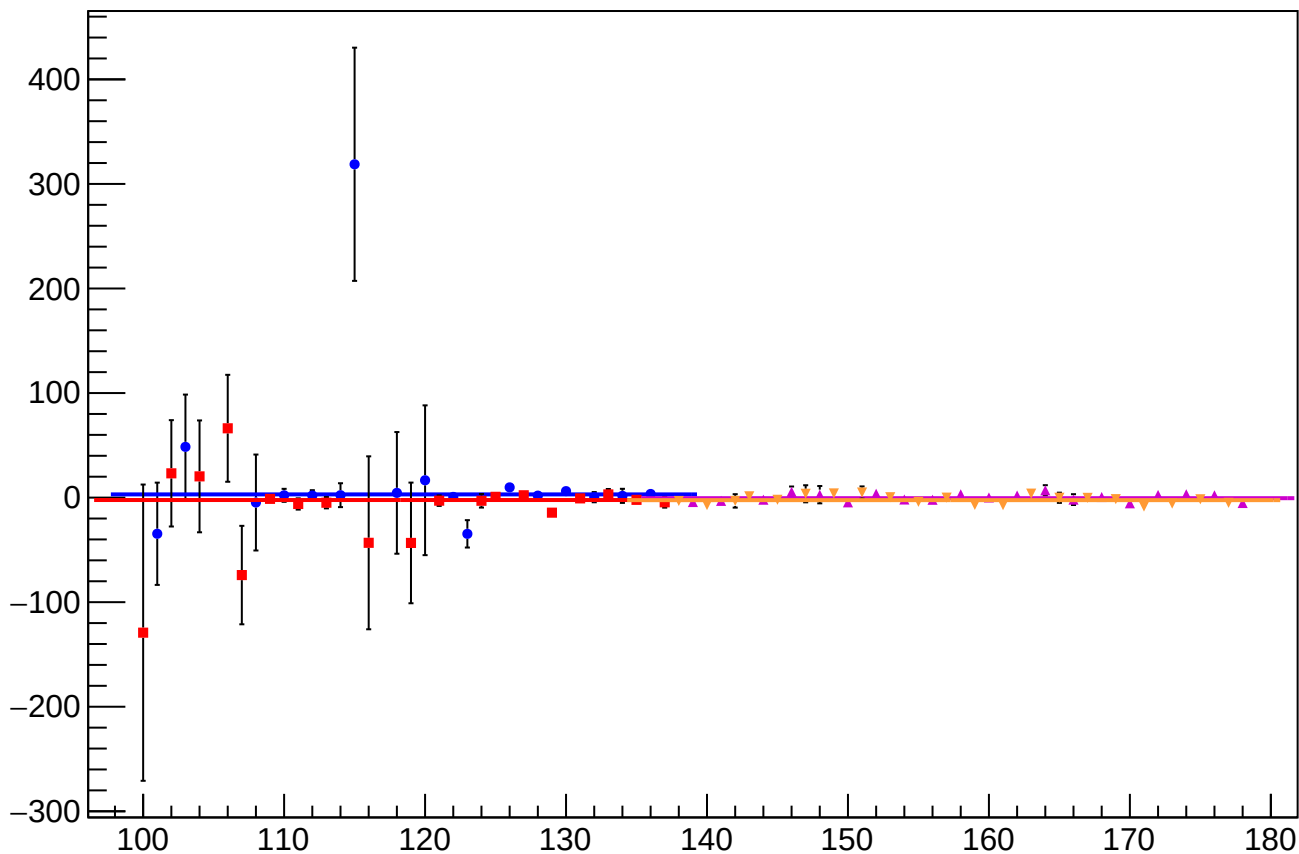
Left In: 1054.893+/-0.191 χ^2/NDF :107266.3/19

+ sign 1110.926+/-0.177 χ^2/NDF : 5697318.4/37

All: 1110.568+/-0.126 χ^2/NDF : 11367604.2/77

- sign 1110.207+/-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: -2.422 ± 0.871 χ^2/NDF : 16.1/20

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

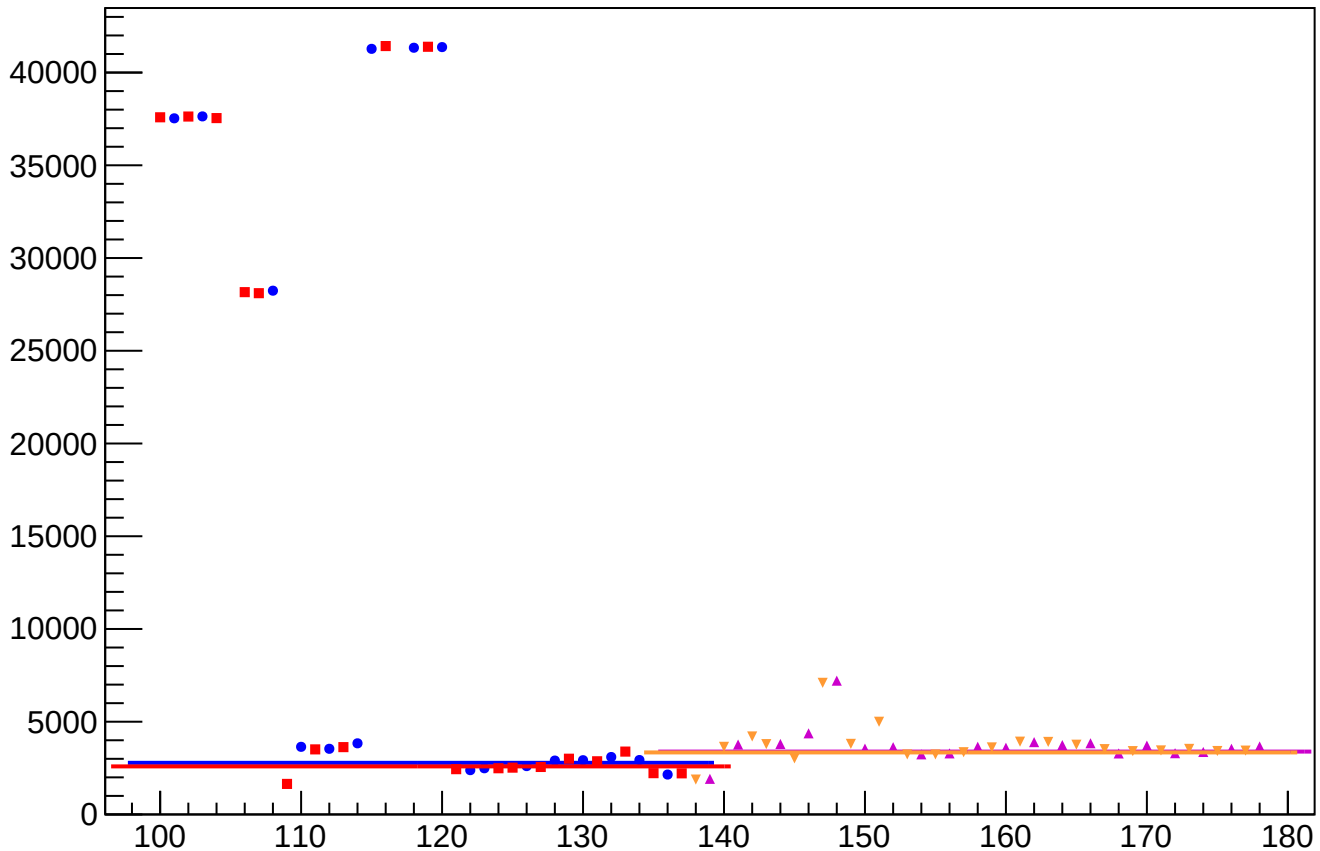
Left In: -0.550 ± 0.891 χ^2/NDF : 15.3/19

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

All: -0.957 ± 0.513 χ^2/NDF : 83.7/76

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

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

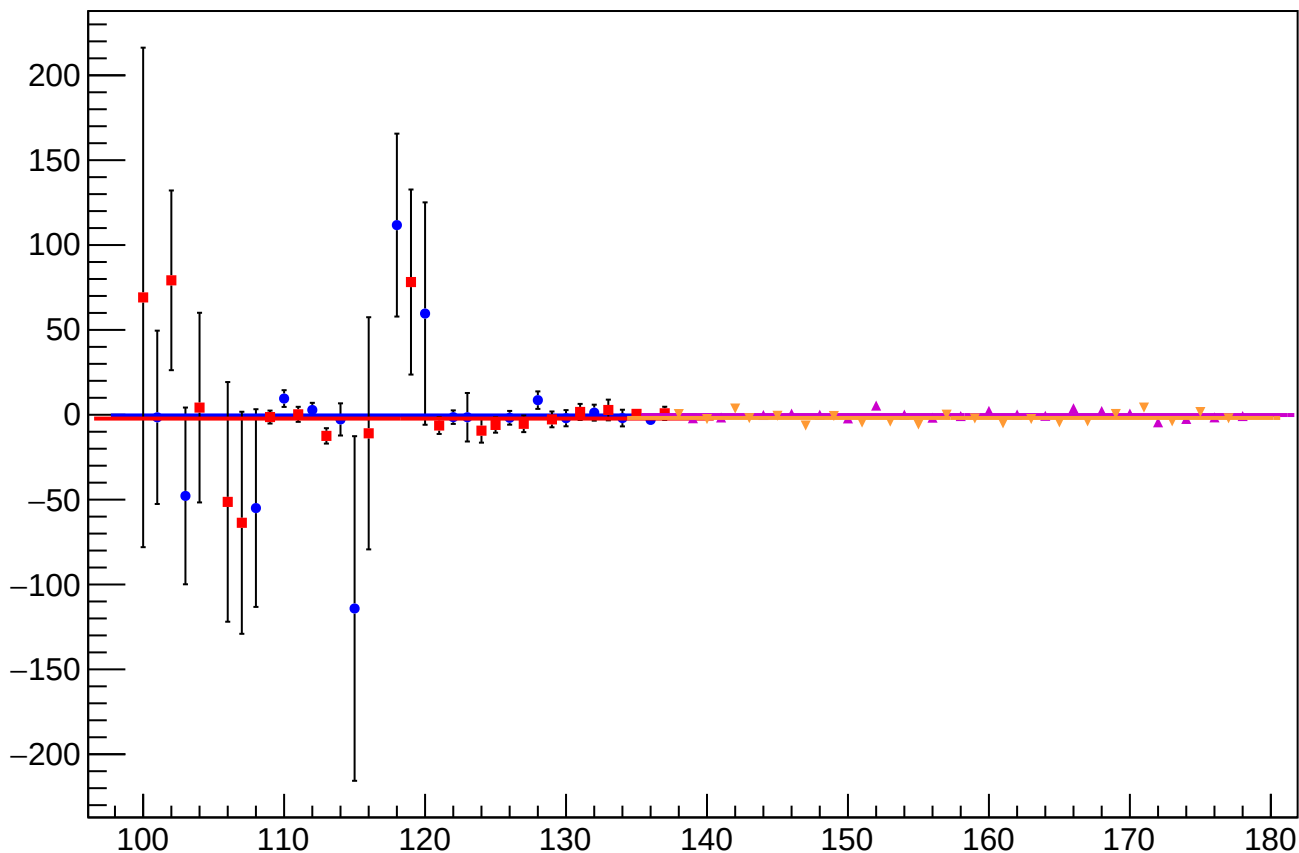
Left In: 3389.679+/-0.630 χ^2/NDF : 1416226.8/19

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

All: 3145.281+/-0.363 χ^2/NDF : 13274880.0/77

- 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: -1.873 ± 0.420 χ^2/NDF : 42.5/20

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

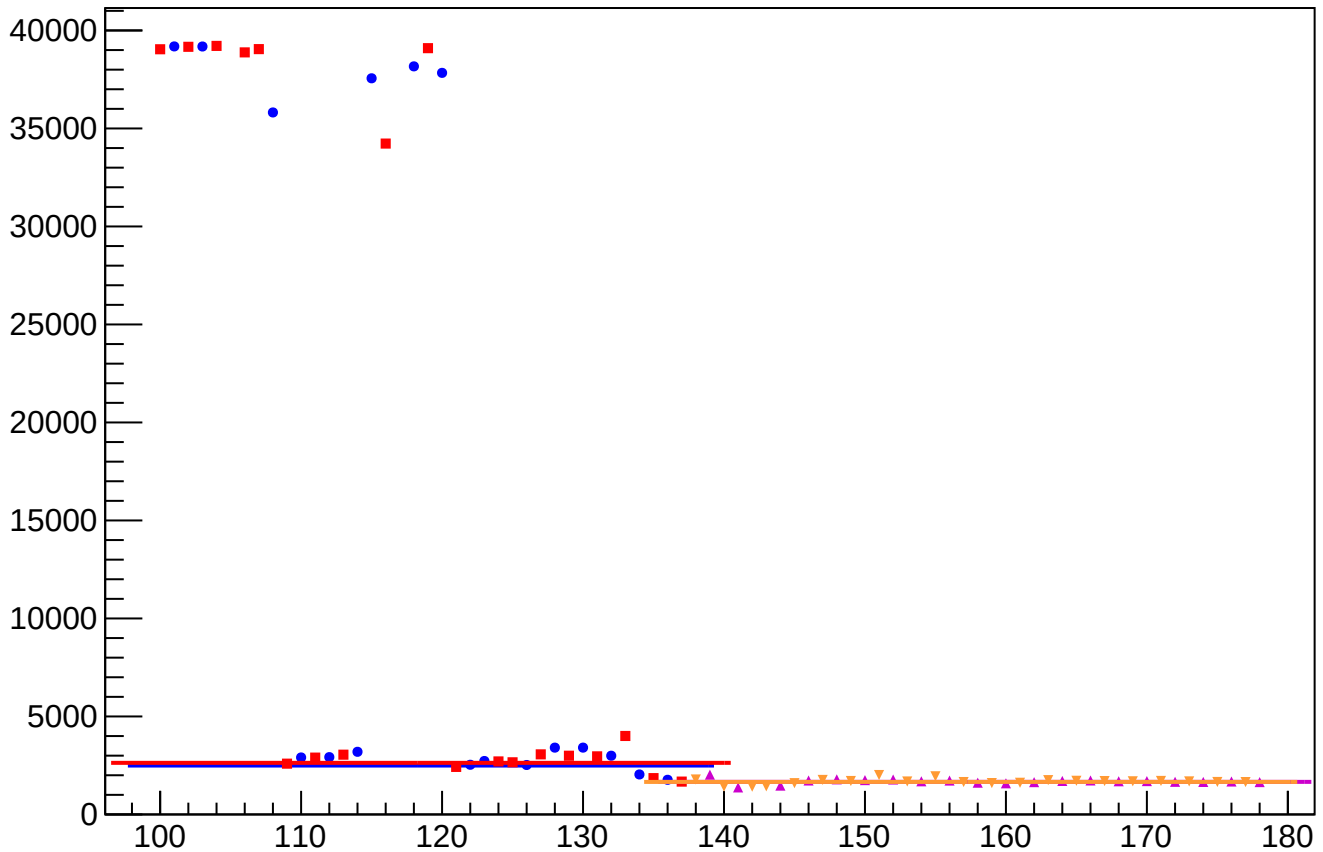
Left In: -0.159 ± 0.425 χ^2/NDF : 24.9/19

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

All: -1.056 ± 0.283 χ^2/NDF : 112.5/76

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

diff_bpm1p03aX_rms vs Slug



Right In: 2495.603 ± 0.861 χ^2/NDF : 4882334.6/16

Left Out: 1660.397 ± 0.297 χ^2/NDF : 214875.7/20

Right Out: 2633.244 ± 0.881 χ^2/NDF : 4860512.6/18

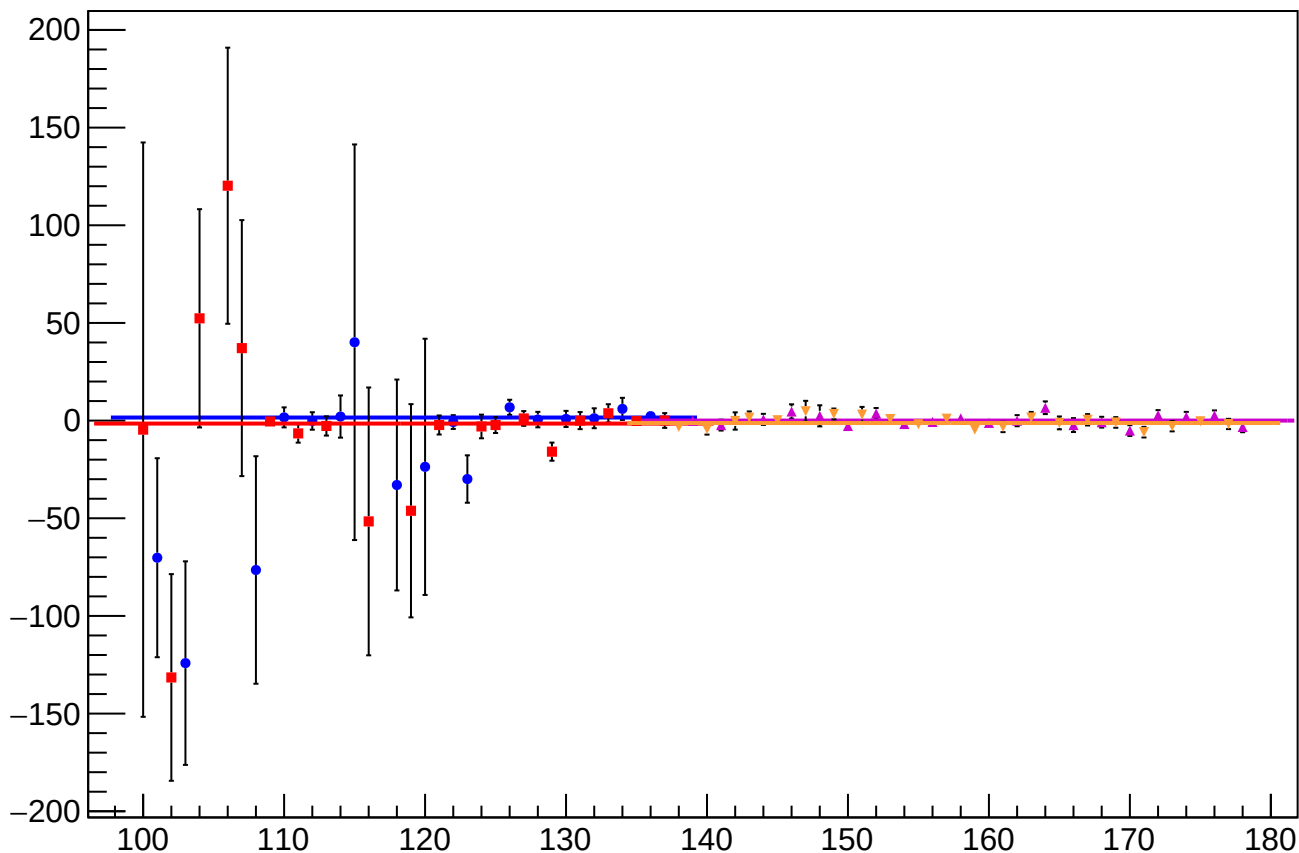
Left In: 1662.777 ± 0.301 χ^2/NDF : 178454.3/19

+ sign 1749.095 ± 0.281 χ^2/NDF : 5937994.9/37

All: 1756.458 ± 0.200 χ^2/NDF : 12065175.1/7

- sign 1764.030 ± 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: -1.231 ± 0.577 χ^2/NDF : 18.5/20

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

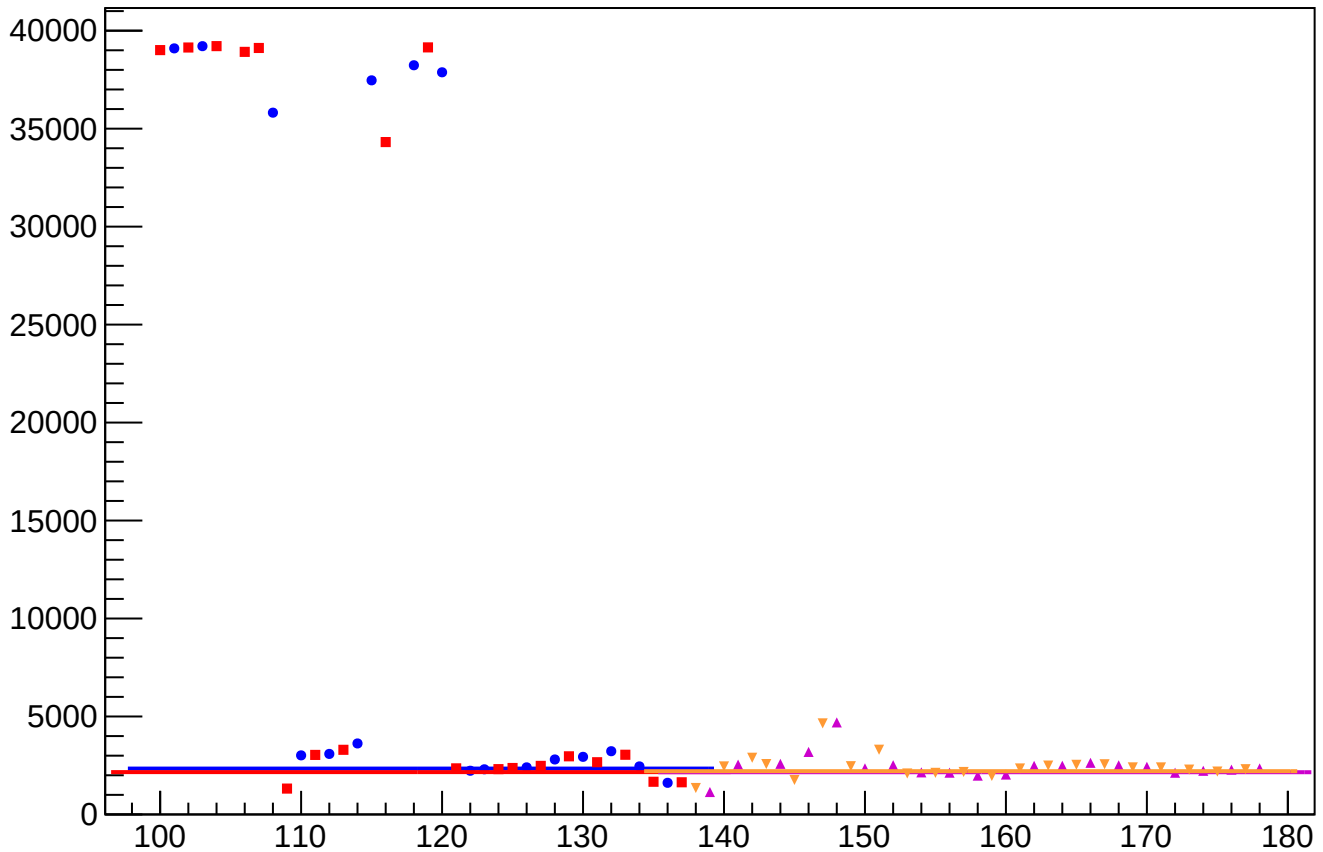
Left In: 0.018 ± 0.573 χ^2/NDF : 18.6/19

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

All: -0.492 ± 0.360 χ^2/NDF : 89.2/76

- 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: 2208.411+/-0.408 χ^2/NDF : 1407781.4/20

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

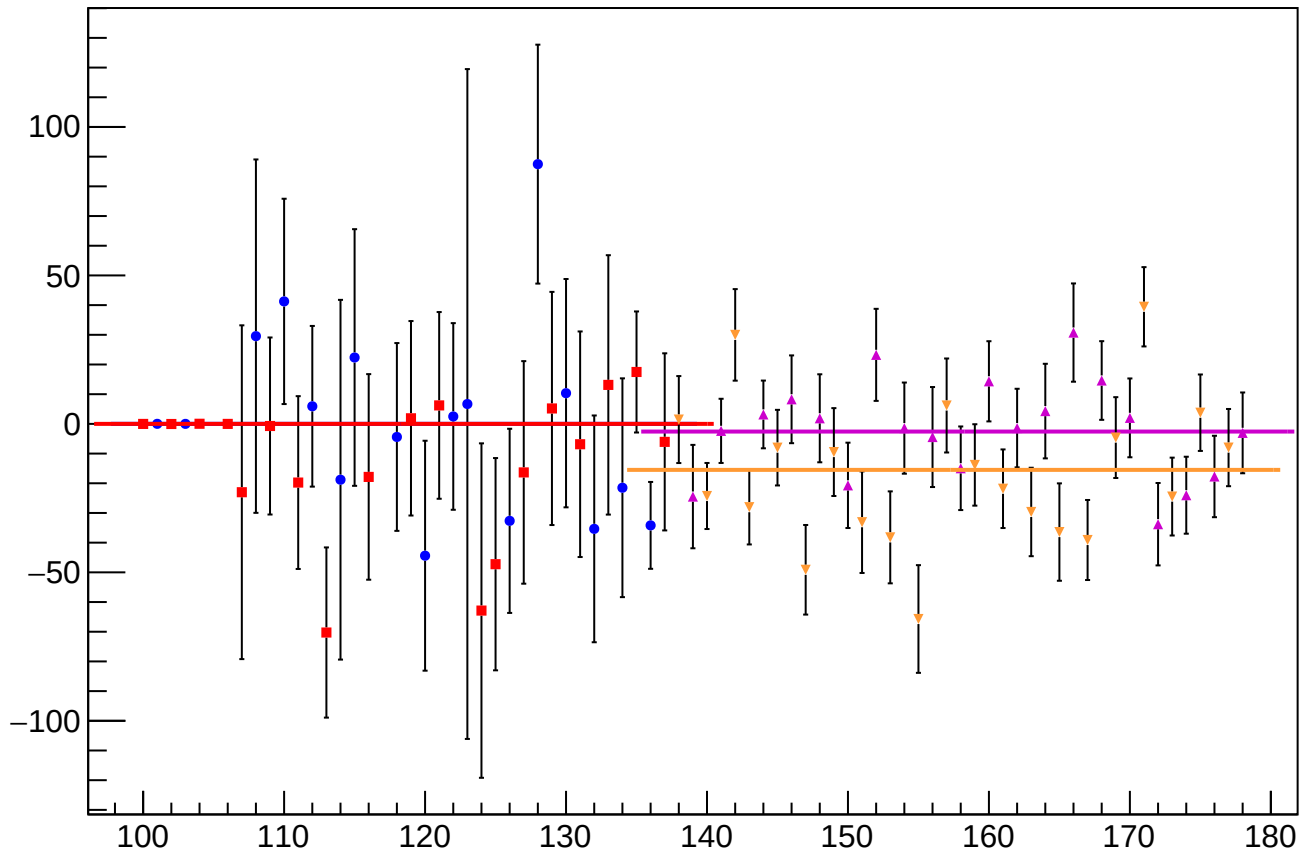
Left In: 2155.635+/-0.405 χ^2/NDF : 1963004.6/19

+ sign 2235.351+/-0.364 χ^2/NDF : 6436139.3/37

All: 2195.283+/-0.255 χ^2/NDF : 13721950.6/77

- 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: -15.490 ± 3.063 χ^2/NDF : 56.4/20

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

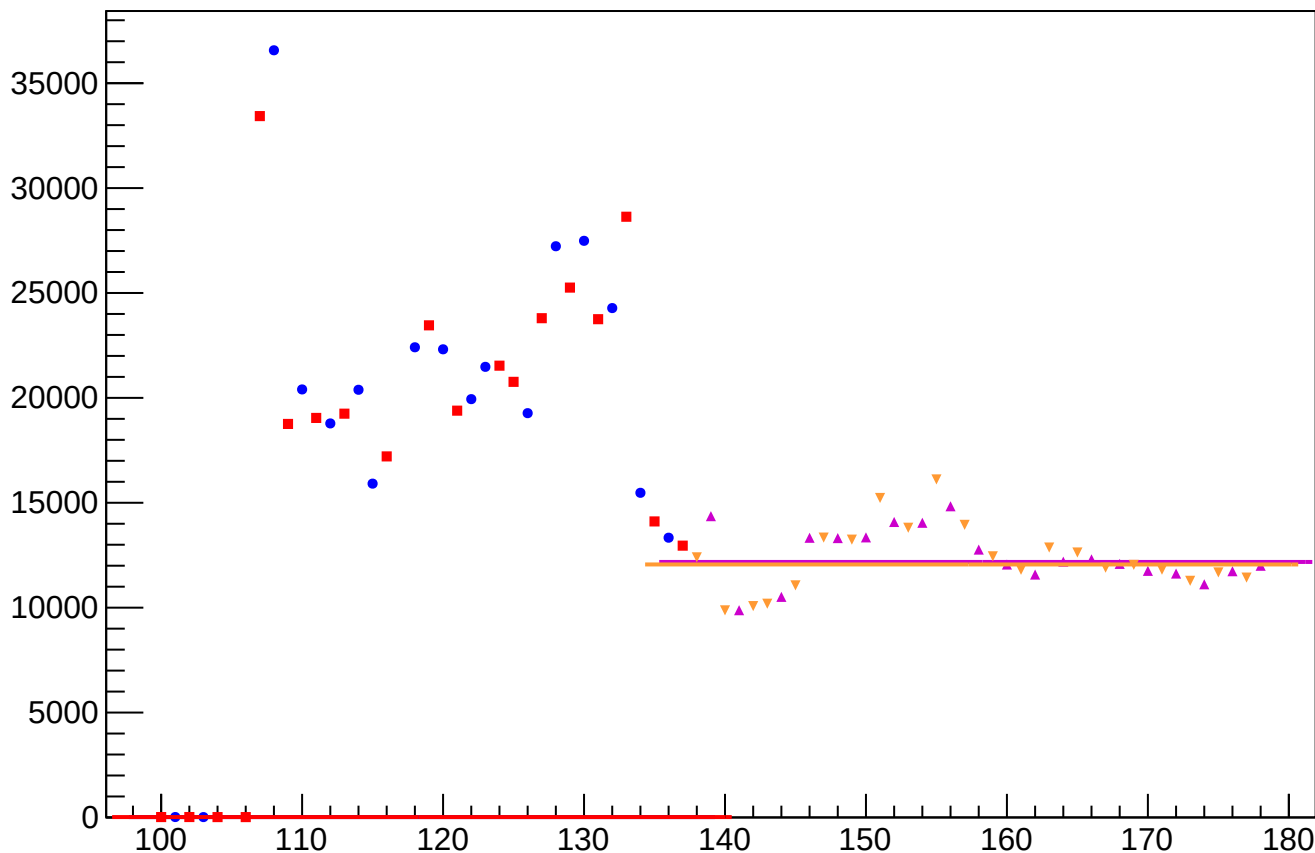
Left In: -2.584 ± 3.123 χ^2/NDF : 24.3/19

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

All: 0.008 ± 0.012 χ^2/NDF : 139.1/76

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

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

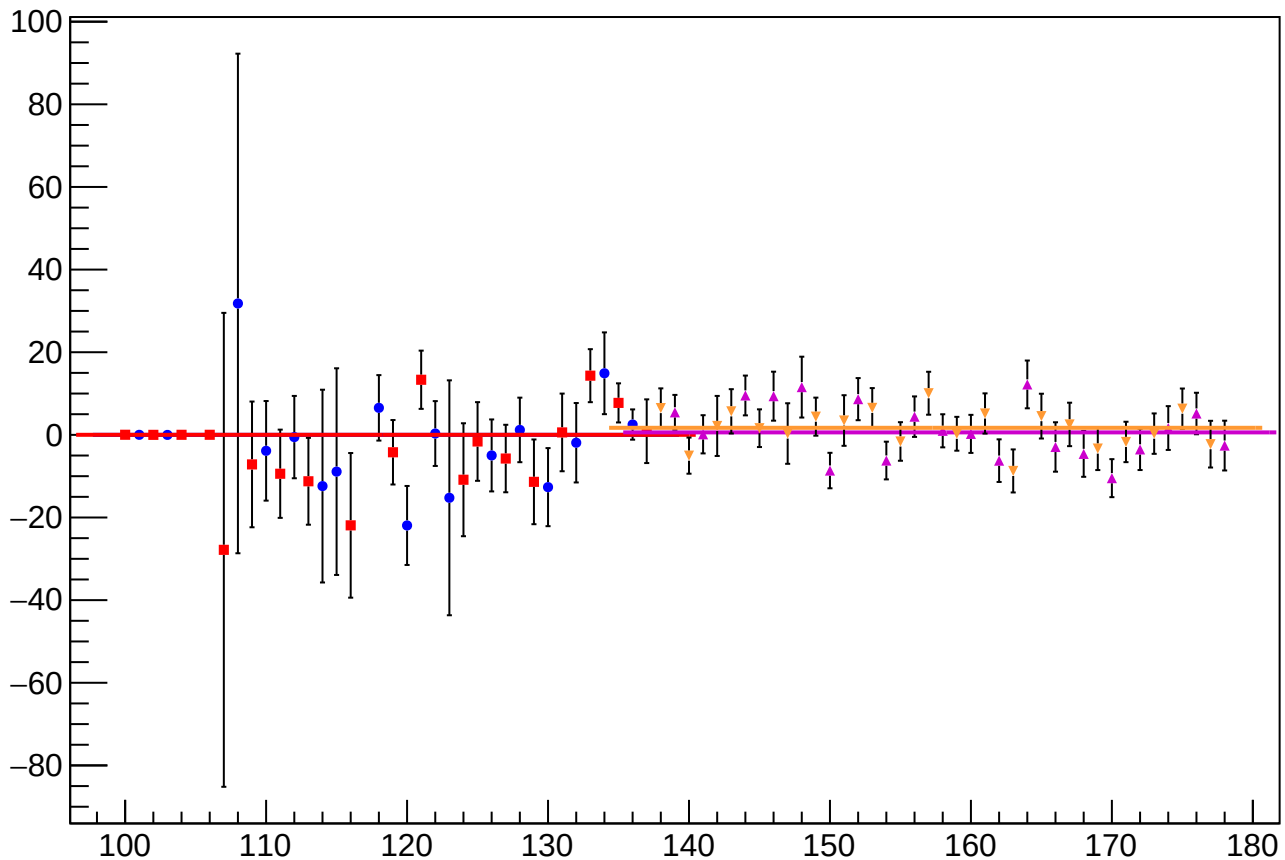
Left In: 12179.094 $\pm$ 2.208 χ^2 /NDF: 340479.5/19

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

All: 18.816 $\pm$ 0.008 χ^2 /NDF: 84107655.9/76

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

diff_cav4bY_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 13.0/16

Left Out: 1.711 ± 1.104 χ^2/NDF : 16.3/20

Right Out: 0.014 ± 0.009 χ^2/NDF : 18.6/18

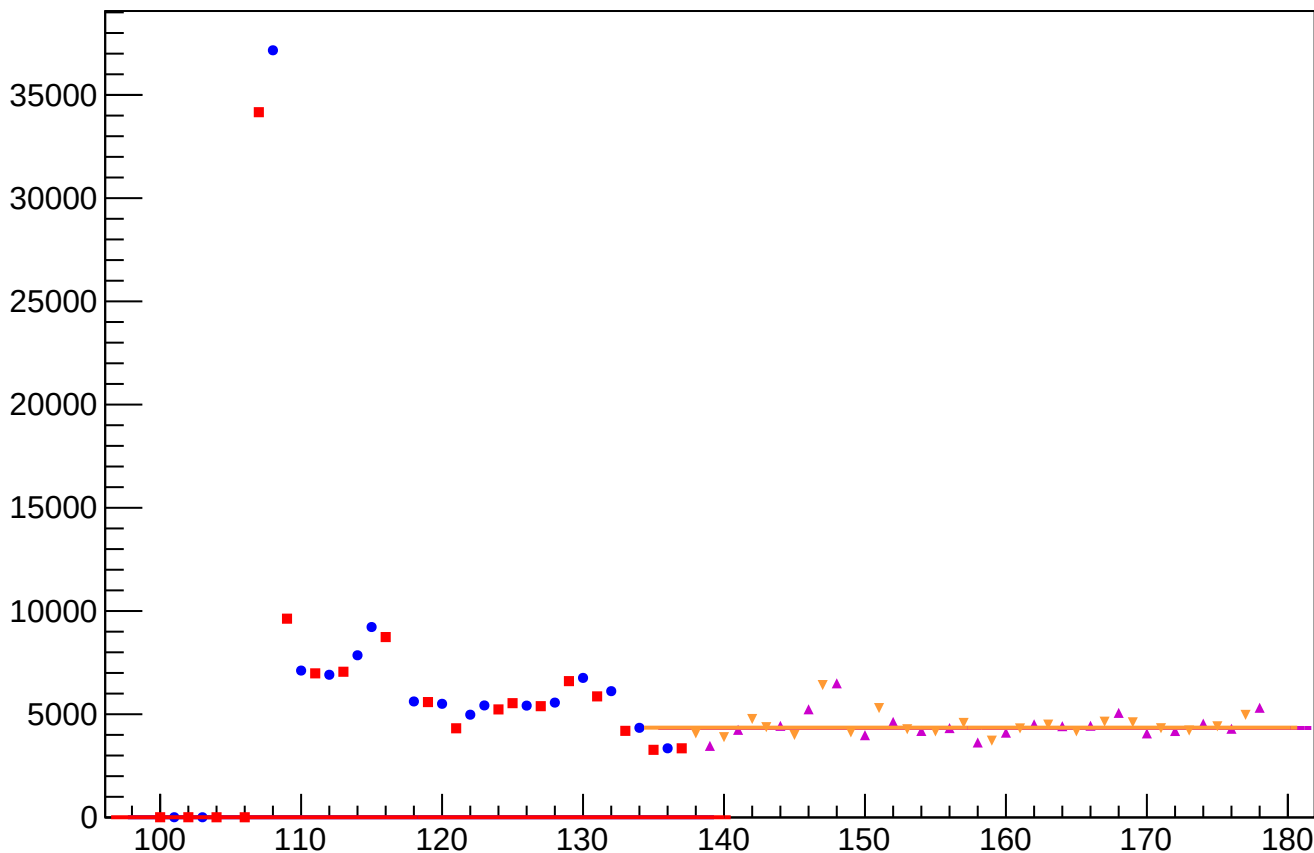
Left In: 0.598 ± 1.116 χ^2/NDF : 33.8/19

+ sign 0.001 ± 0.009 χ^2/NDF : 31.8/37

All: 0.008 ± 0.006 χ^2/NDF : 85.5/76

- sign 0.014 ± 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: 4349.941+/-0.781 χ^2/NDF :355047.8/20

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

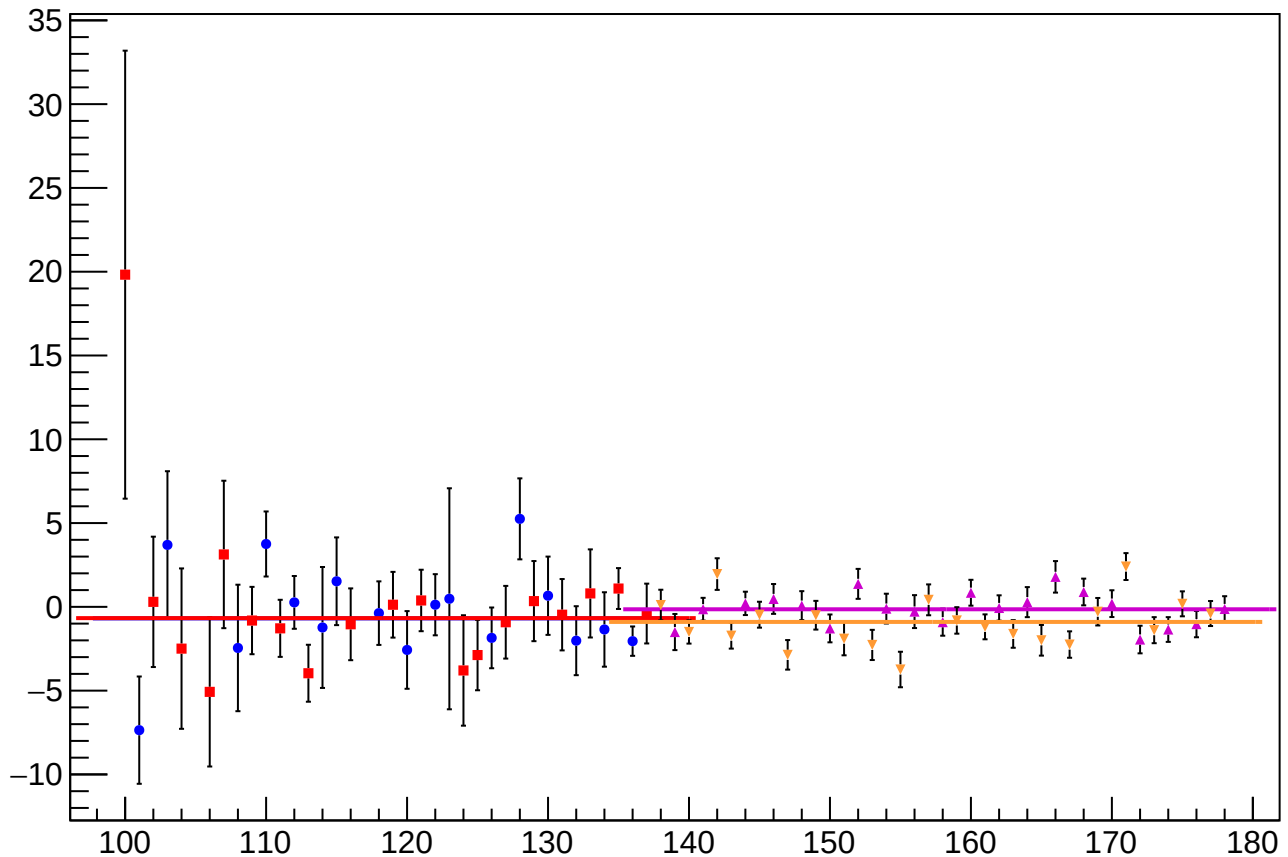
Left In: 4333.458+/-0.789 χ^2/NDF :496261.5/19

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

All: 10.173+/-0.004 χ^2/NDF : 84032857.4/76

- 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: -0.899 ± 0.181 χ^2/NDF : 56.1/20

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

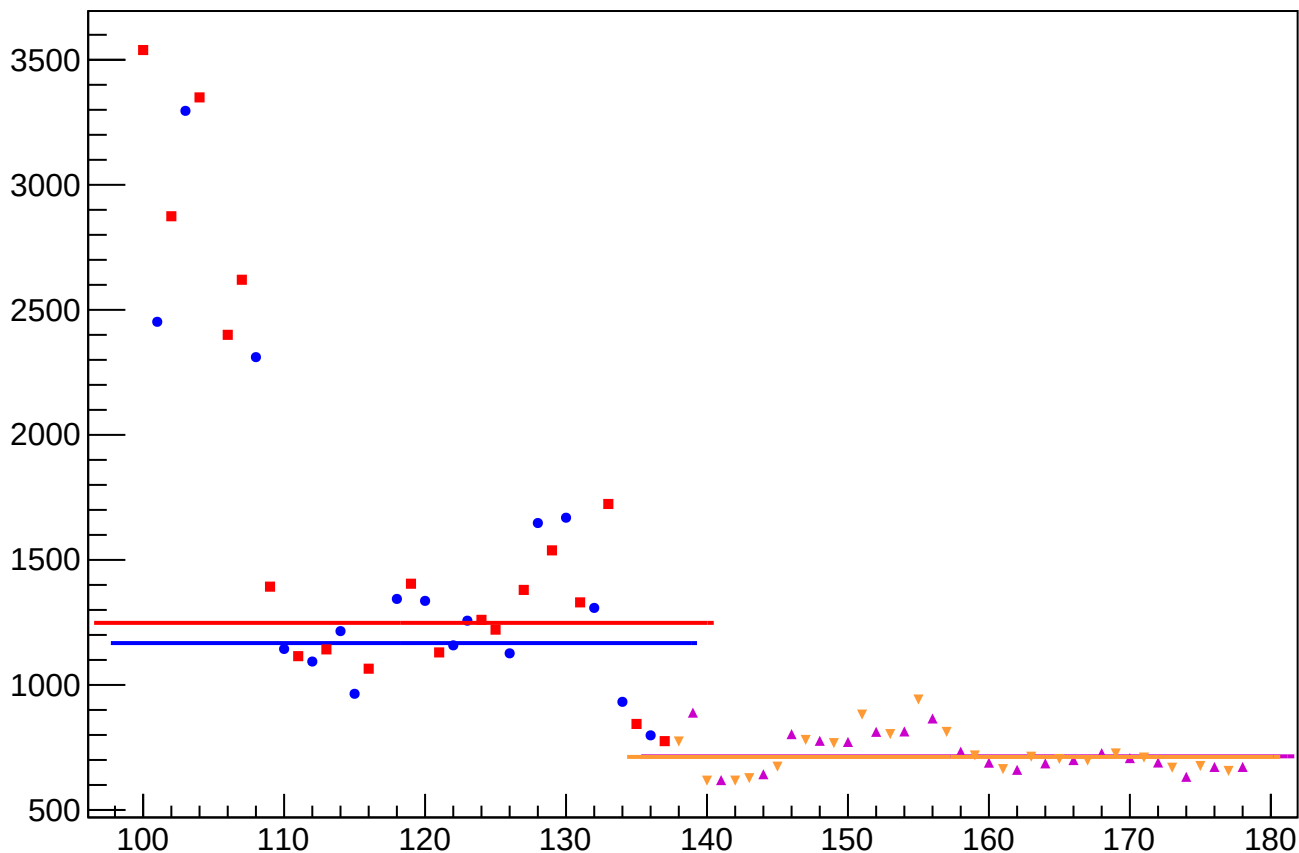
Left In: -0.145 ± 0.183 χ^2/NDF : 24.8/19

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

All: -0.546 ± 0.121 χ^2/NDF : 125.5/76

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

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

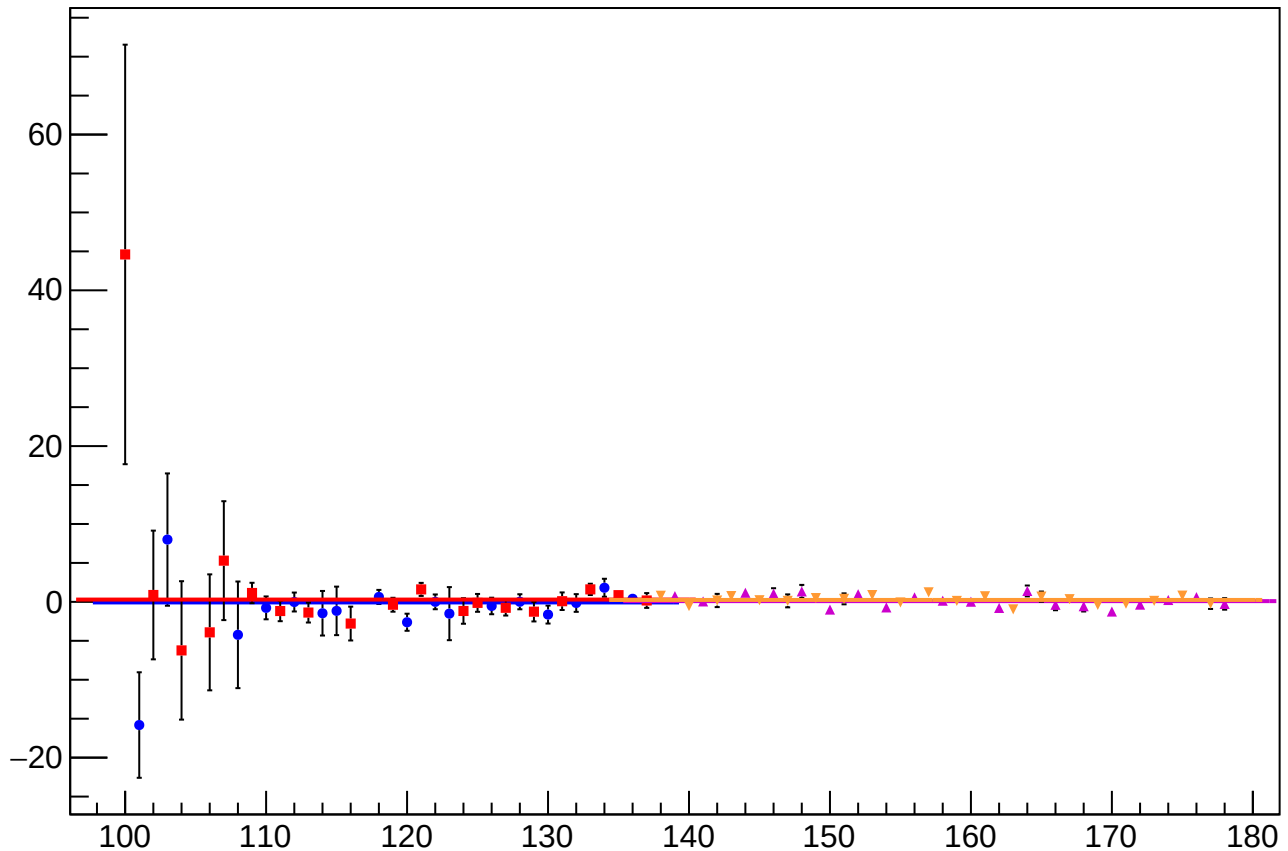
Left In: 714.551 $\pm$ 0.129 χ^2 /NDF: 304463.5/19

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

All: 772.730 $\pm$ 0.085 χ^2 /NDF: 7452010.5/76

- 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: 0.247 ± 0.132 χ^2/NDF : 16.0/20

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

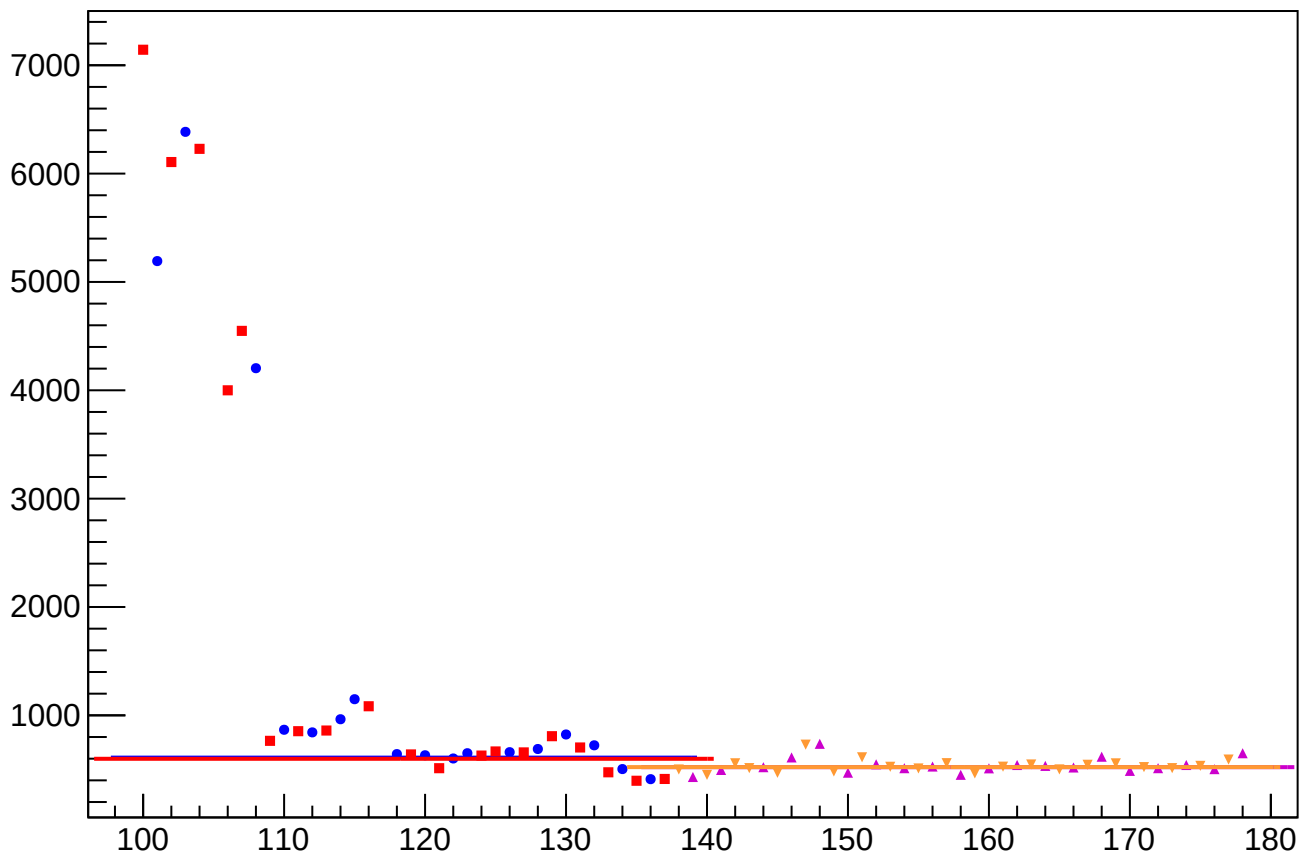
Left In: 0.095 ± 0.134 χ^2/NDF : 33.2/19

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

All: 0.161 ± 0.084 χ^2/NDF : 90.3/76

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

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

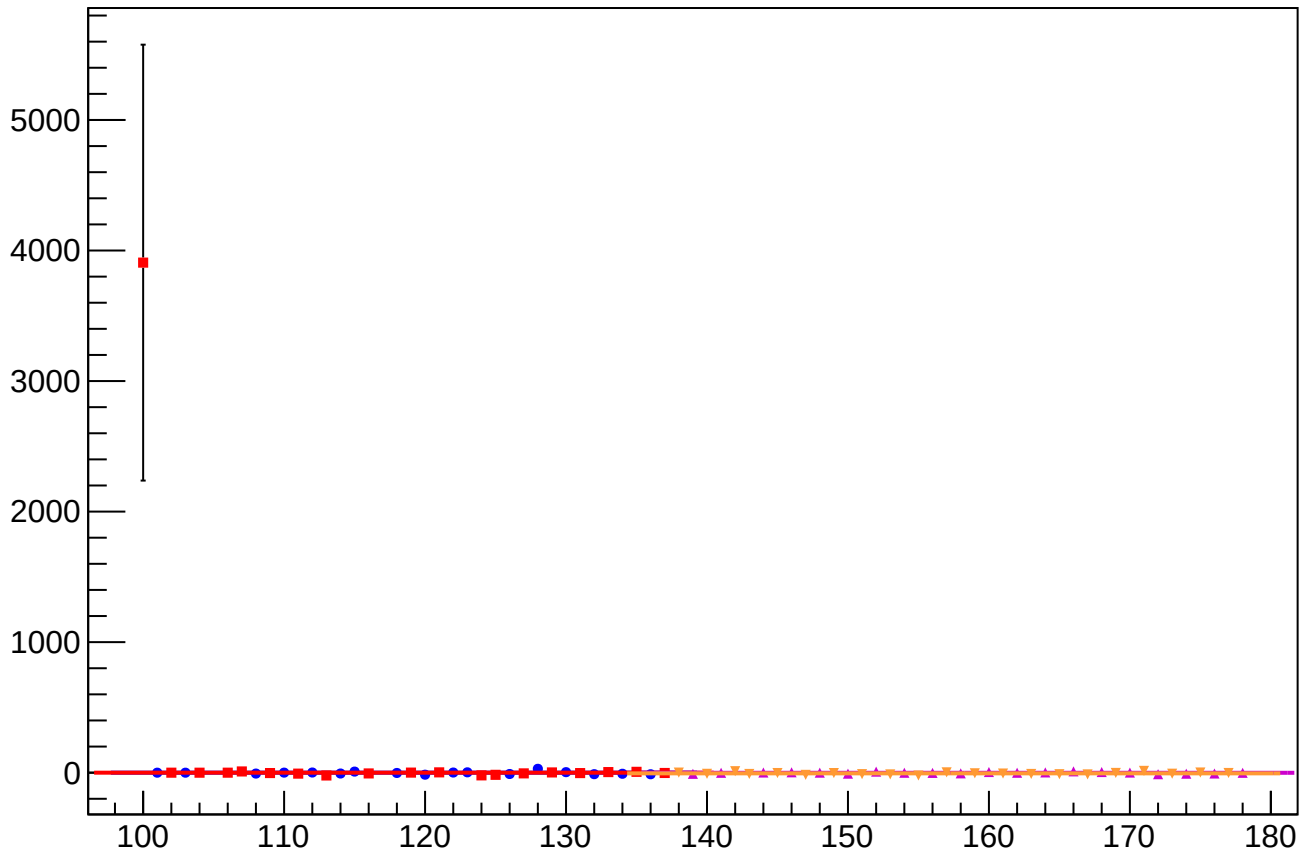
Left In: 521.758 $\pm$ 0.095 χ^2 /NDF:413782.6/19

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

All: 538.504 $\pm$ 0.060 χ^2 /NDF: 7713963.8/76

- 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: -5.182 ± 1.050 χ^2/NDF : 56.0/20

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

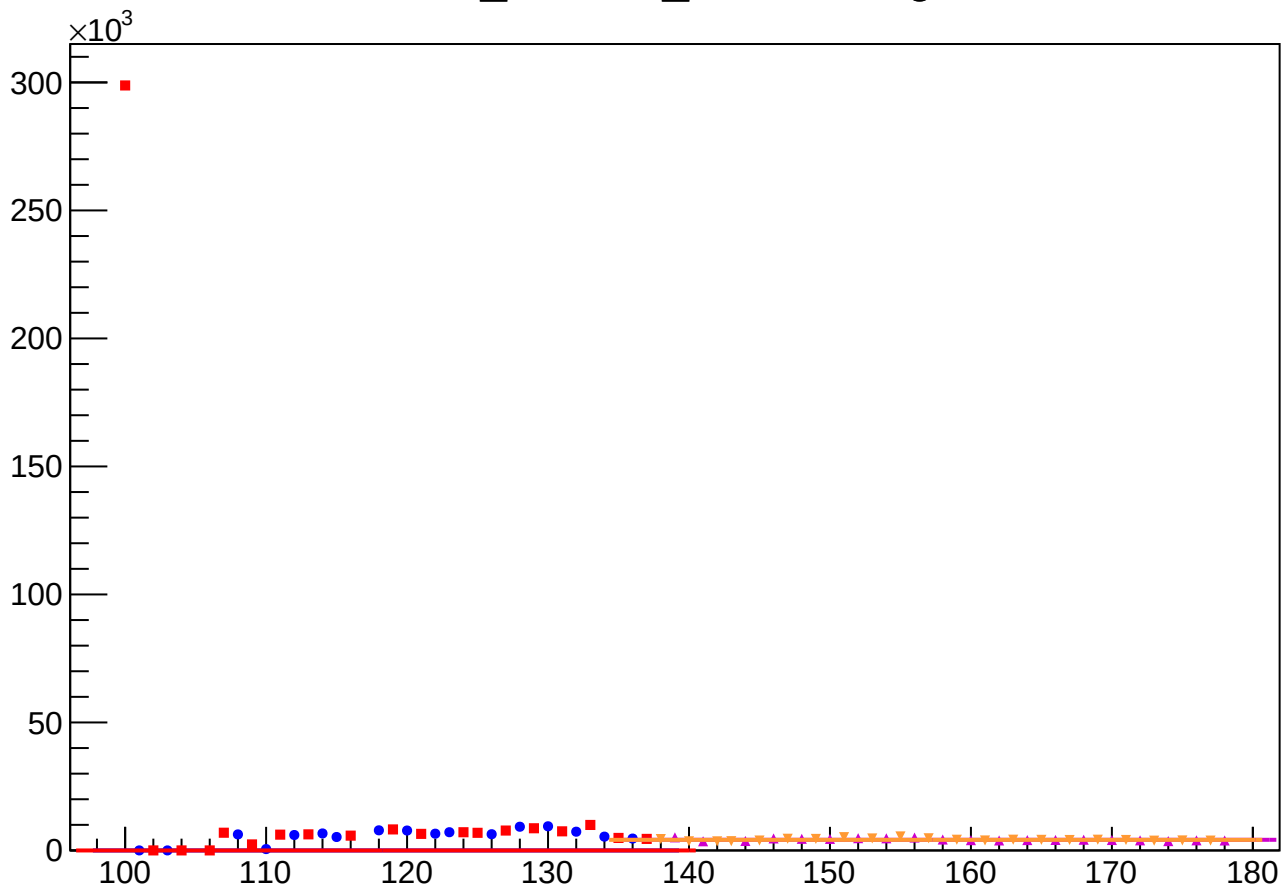
Left In: -0.903 ± 1.066 χ^2/NDF : 25.0/19

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

All: -0.025 ± 0.014 χ^2/NDF : 139.3/76

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

diff_cav4dX_rms vs Slug



Right In: 17.341 ± 0.015 $\chi^2/\text{NDF}: 10501445.0/16$

Left Out: 4141.549 ± 0.743 $\chi^2/\text{NDF}: 366143.3/20$

Right Out: 17.269 ± 0.014 $\chi^2/\text{NDF}: 10820611.7/18$

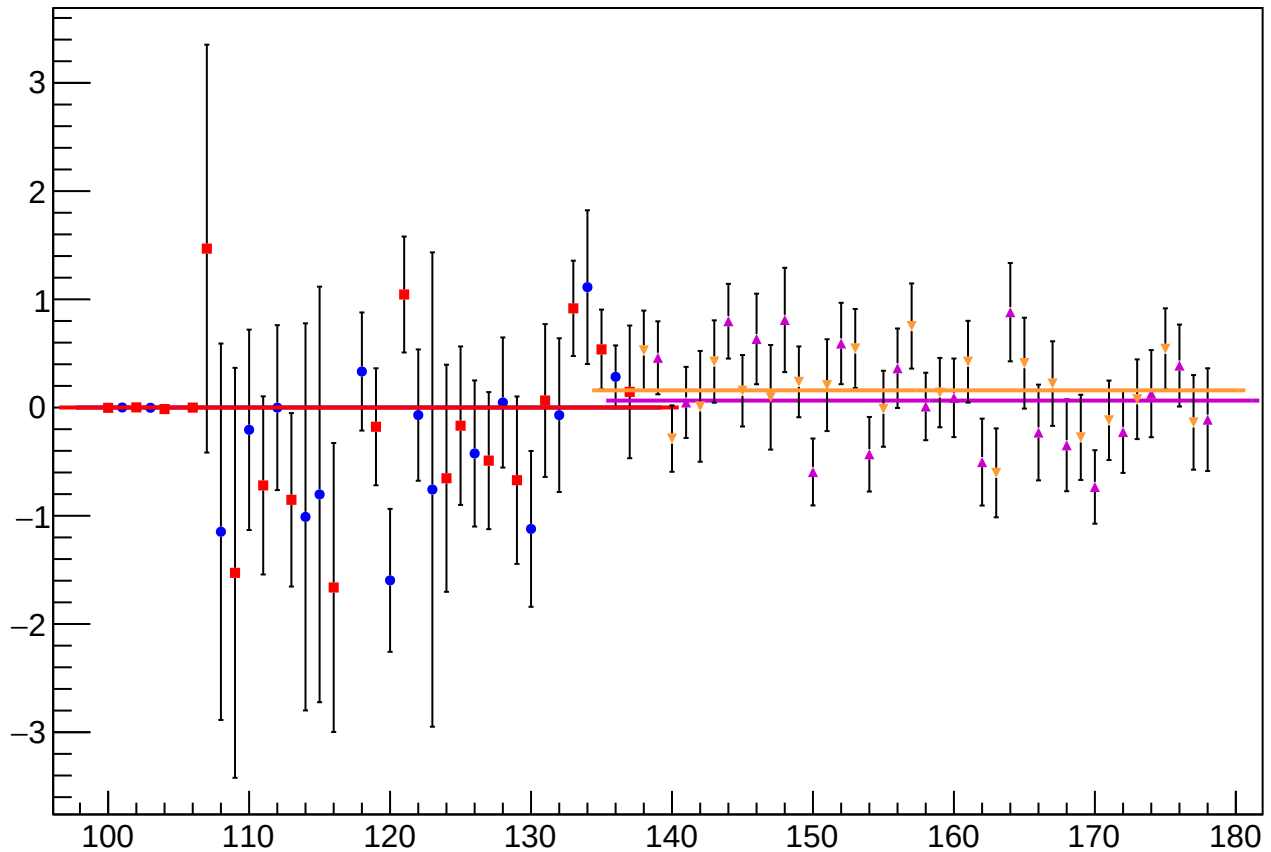
Left In: 4161.834 ± 0.754 $\chi^2/\text{NDF}: 315049.8/19$

+ sign 18.957 ± 0.015 $\chi^2/\text{NDF}: 41691964.7/37$

All: 18.818 ± 0.010 $\chi^2/\text{NDF}: 83022282.8/76$

- sign 18.693 ± 0.014 $\chi^2/\text{NDF}: 41330149.8/38$

diff_cav4dY_mean vs Slug



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

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

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

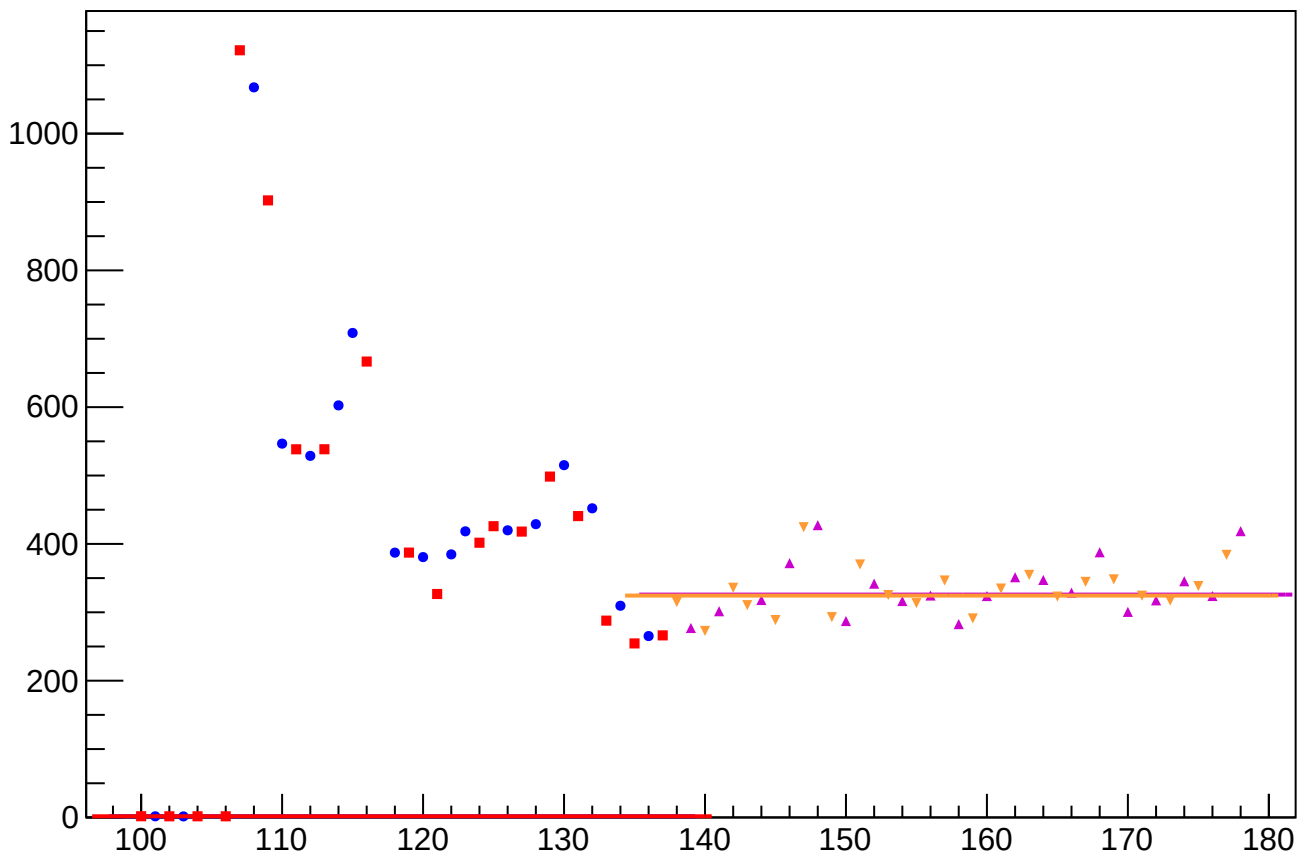
Left In: 0.064 ± 0.084 χ^2/NDF : 33.0/19

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

All: 0.001 ± 0.001 χ^2/NDF : 84.2/76

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

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

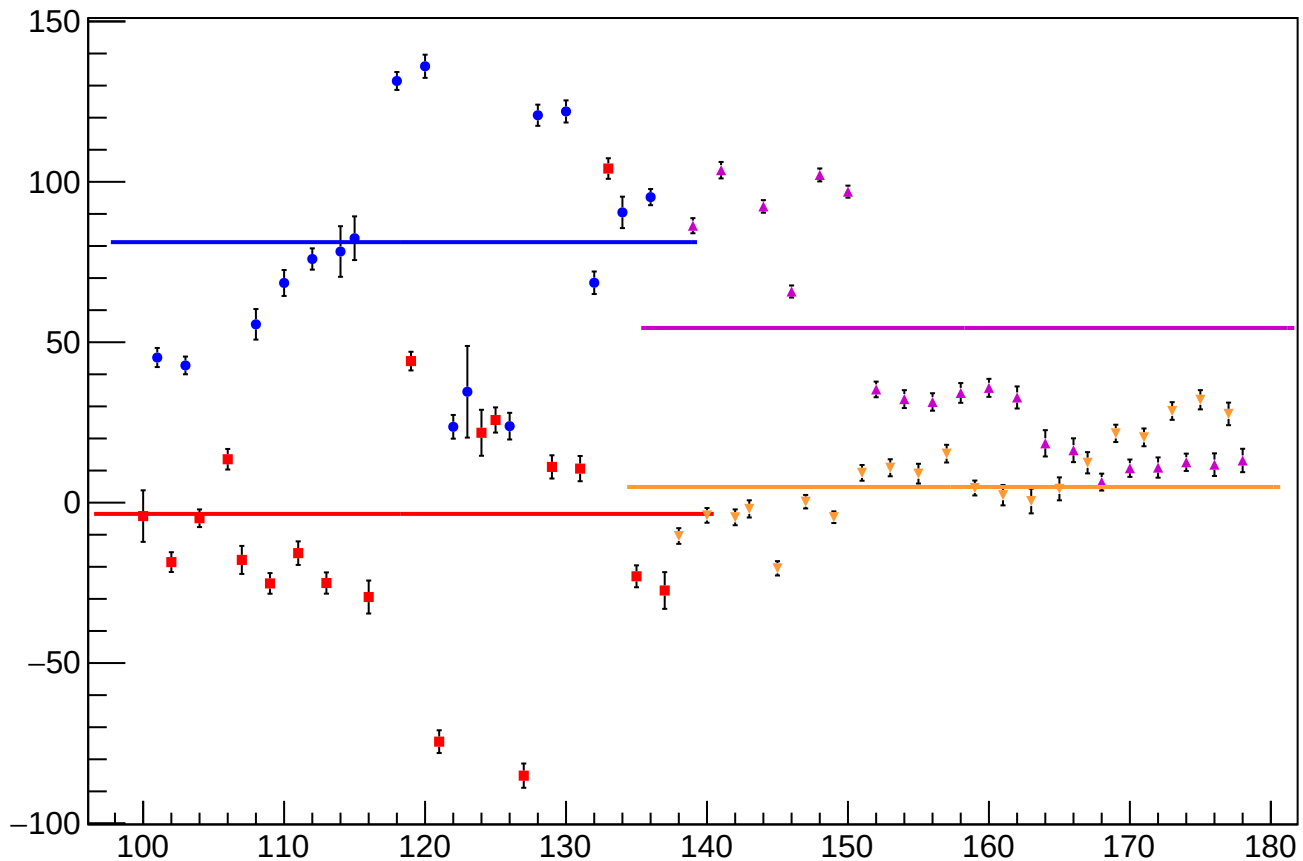
Left In: 325.876 $\pm$ 0.059 χ^2 /NDF: 389841.4/19

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

All: 1.899 $\pm$ 0.001 χ^2 /NDF: 83207694.6/76

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

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

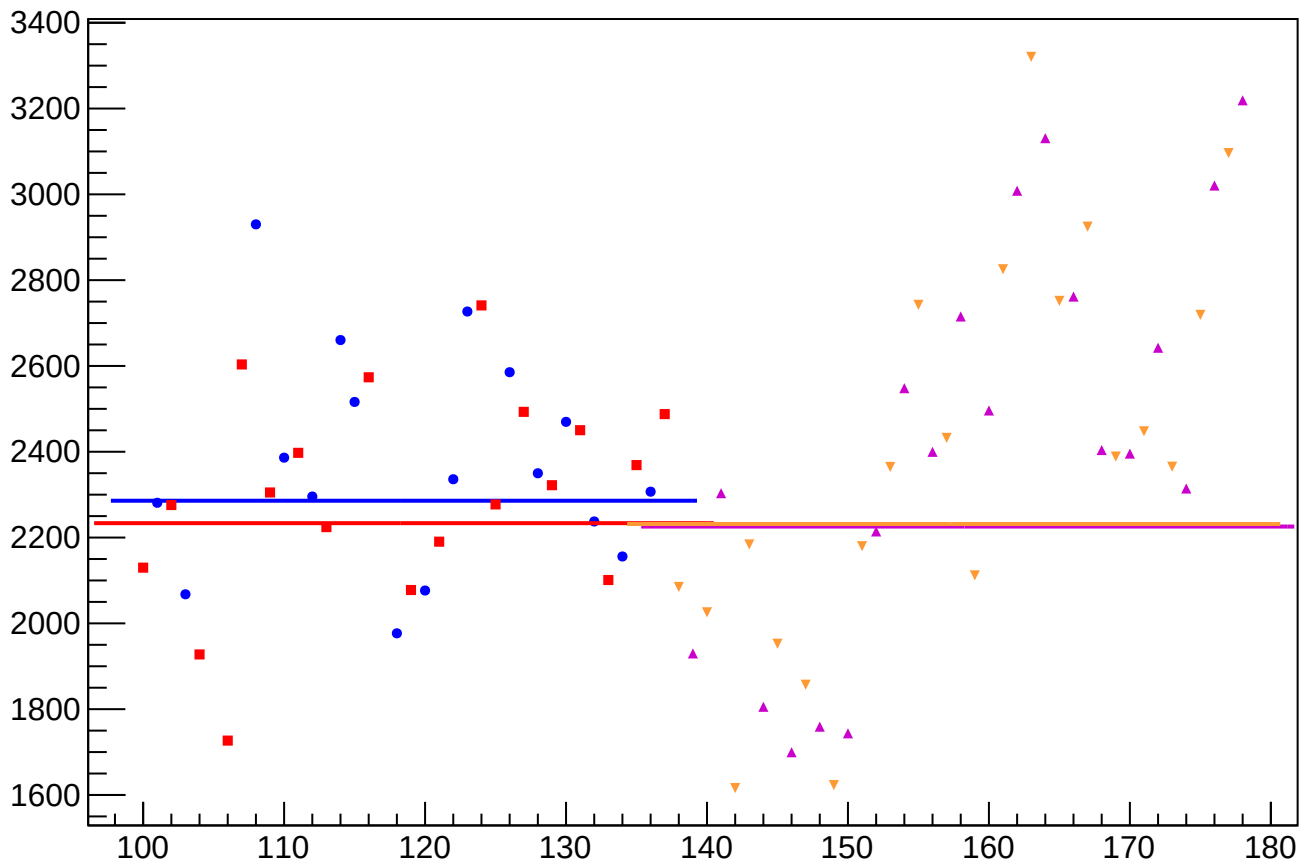
Left In: 54.450 $\pm$ 0.582 χ^2 /NDF: 3834.4/19

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

All: 31.586 $\pm$ 0.339 χ^2 /NDF: 17271.3/76

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

diff_bpm0i01X_rms vs Slug



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

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

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

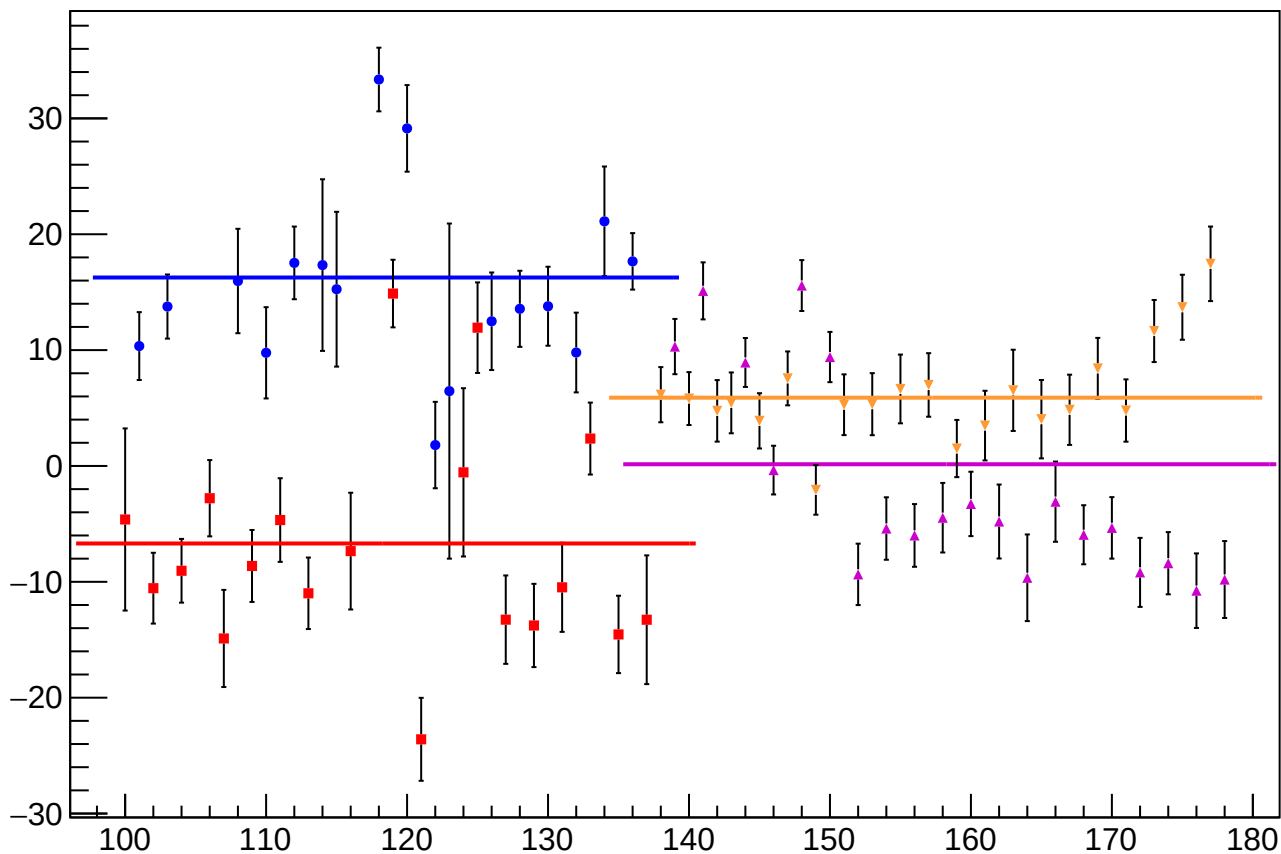
Left In: 2225.639 $\pm$ 0.411 χ^2 /NDF: 1170541.3/19

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

All: 2237.838 $\pm$ 0.240 χ^2 /NDF: 2535557.9/70

- sign 2228.191 $\pm$ 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: 5.894 ± 0.581 χ^2/NDF : 46.1/20

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

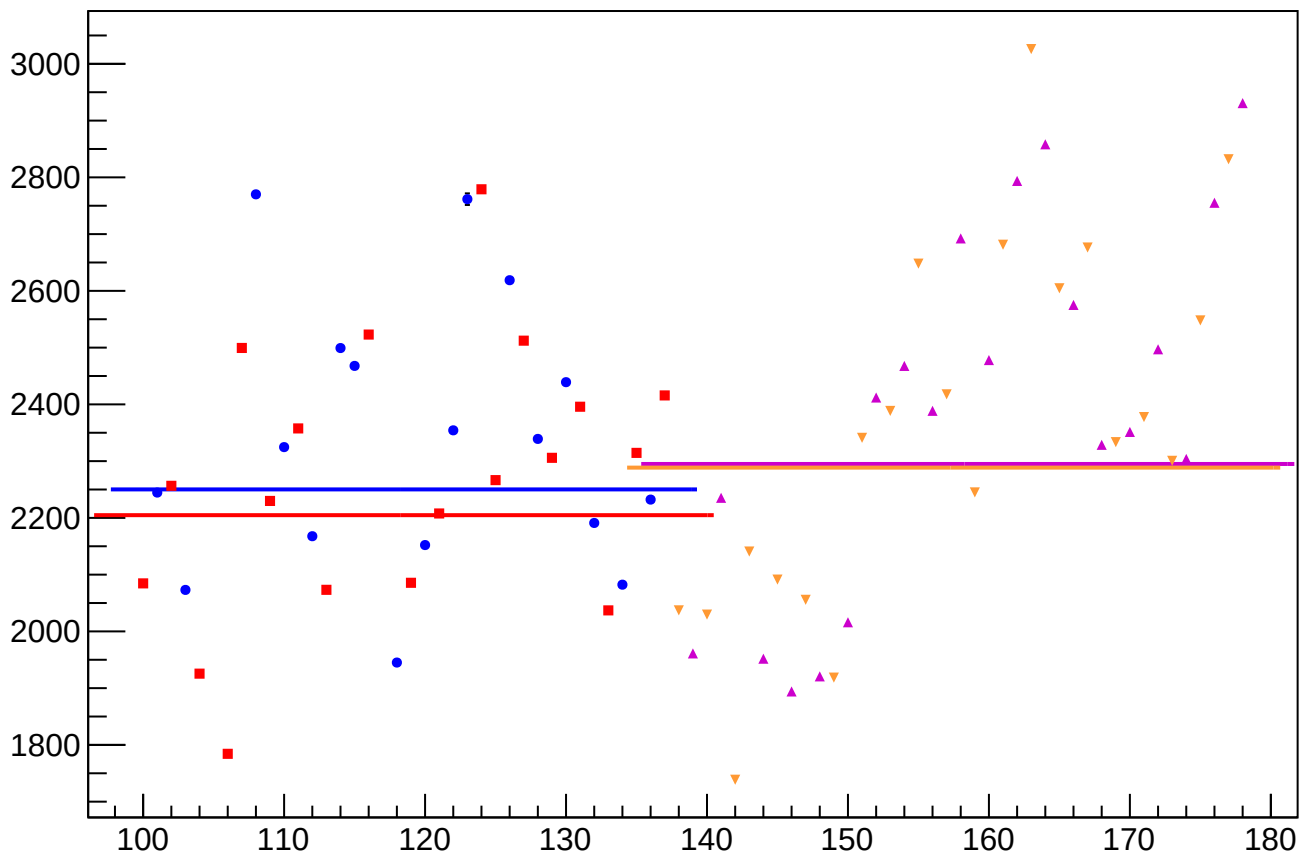
Left In: 0.148 ± 0.592 χ^2/NDF : 226.6/19

+ sign 9.085 ± 0.483 χ^2/NDF : 225.0/37

All: 3.449 ± 0.341 χ^2/NDF : 901.6/76

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

diff_bpm0i01Y_rms vs Slug



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

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

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

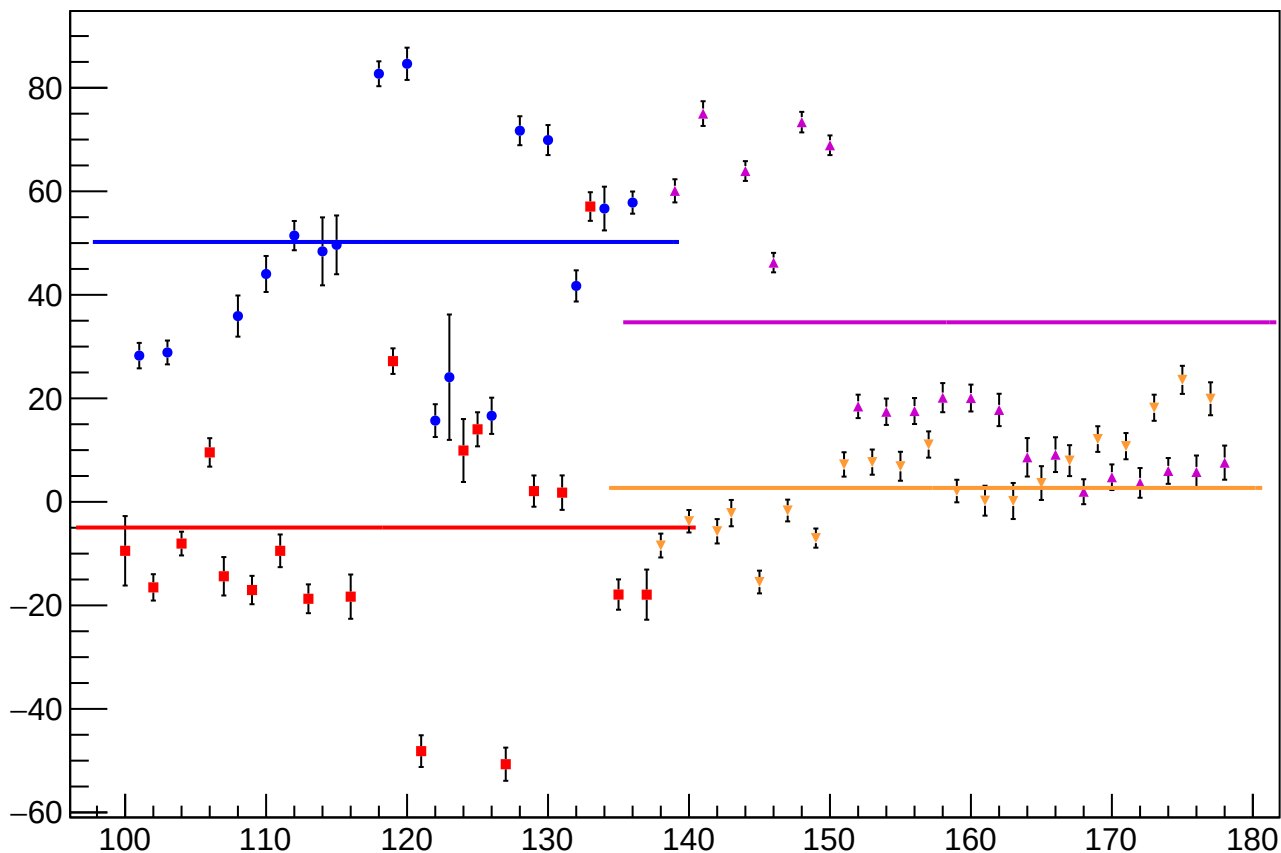
Left In: 2294.990+/-0.418 χ^2 /NDF:547405.7/19

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

All: 2270.672+/-0.241 χ^2 /NDF: 1311407.5/76

- sign 2264.631+/-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: 2.693 $\pm$ 0.541 χ^2 /NDF: 325.2/20

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

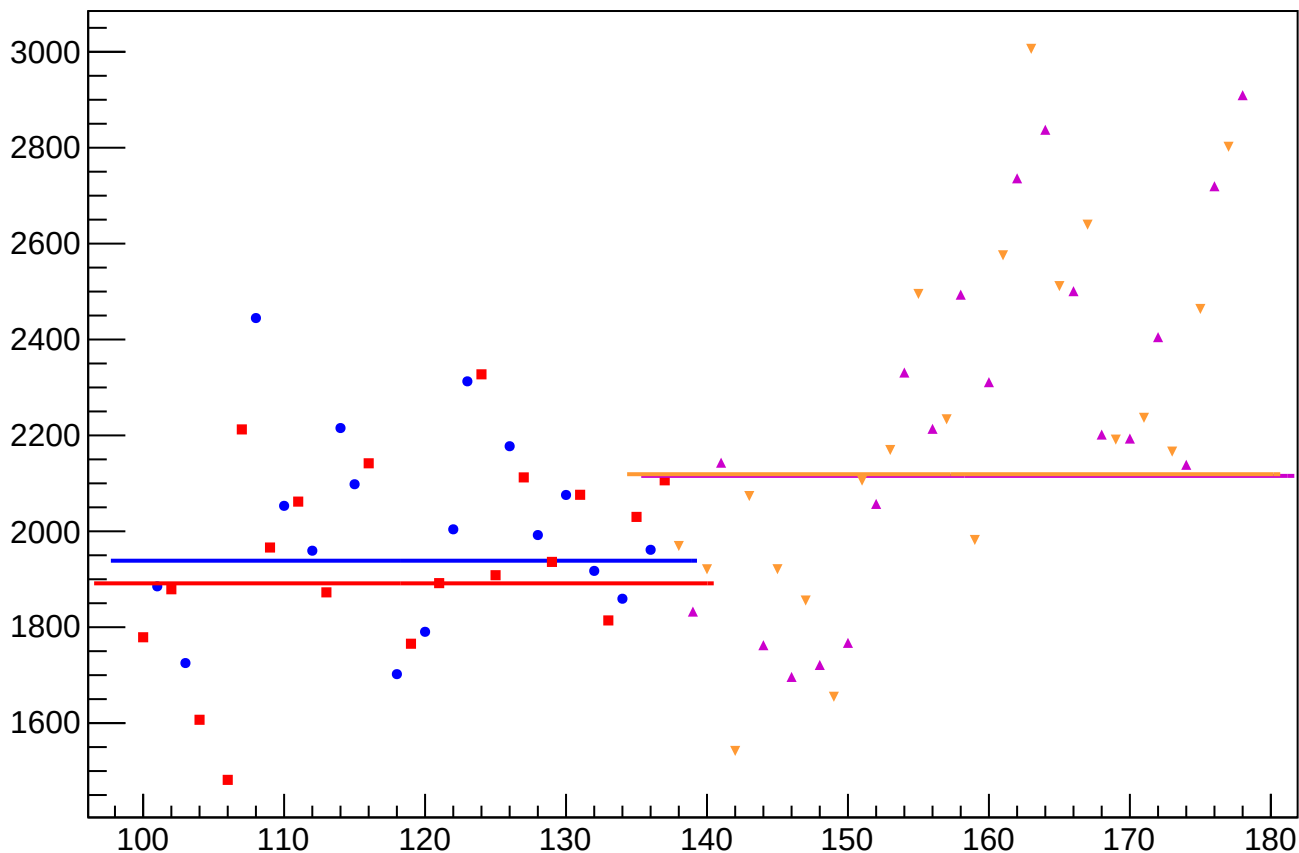
Left In: 34.691 $\pm$ 0.549 χ^2 /NDF: 2458.7/19

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

All: 19.433 $\pm$ 0.309 χ^2 /NDF: 9457.8/76

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

diff_bpm0i01aX_rms vs Slug



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

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

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

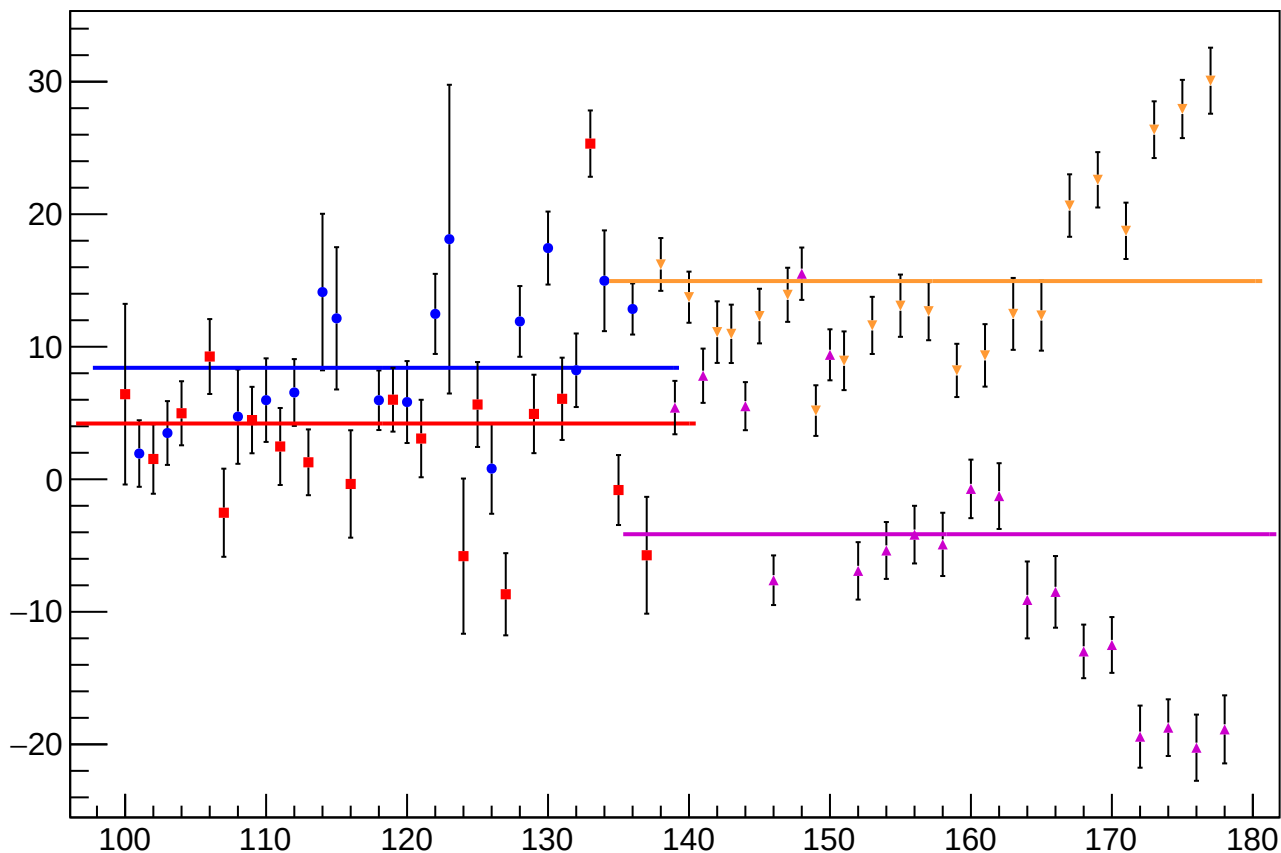
Left In: 2115.590+/-0.388 χ^2/NDF : 806100.3/19

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

All: 2044.750+/-0.218 χ^2/NDF : 2024648.8/76

- sign 2032.204+/-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: 14.955 ± 0.477 χ^2/NDF : 187.7/20

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

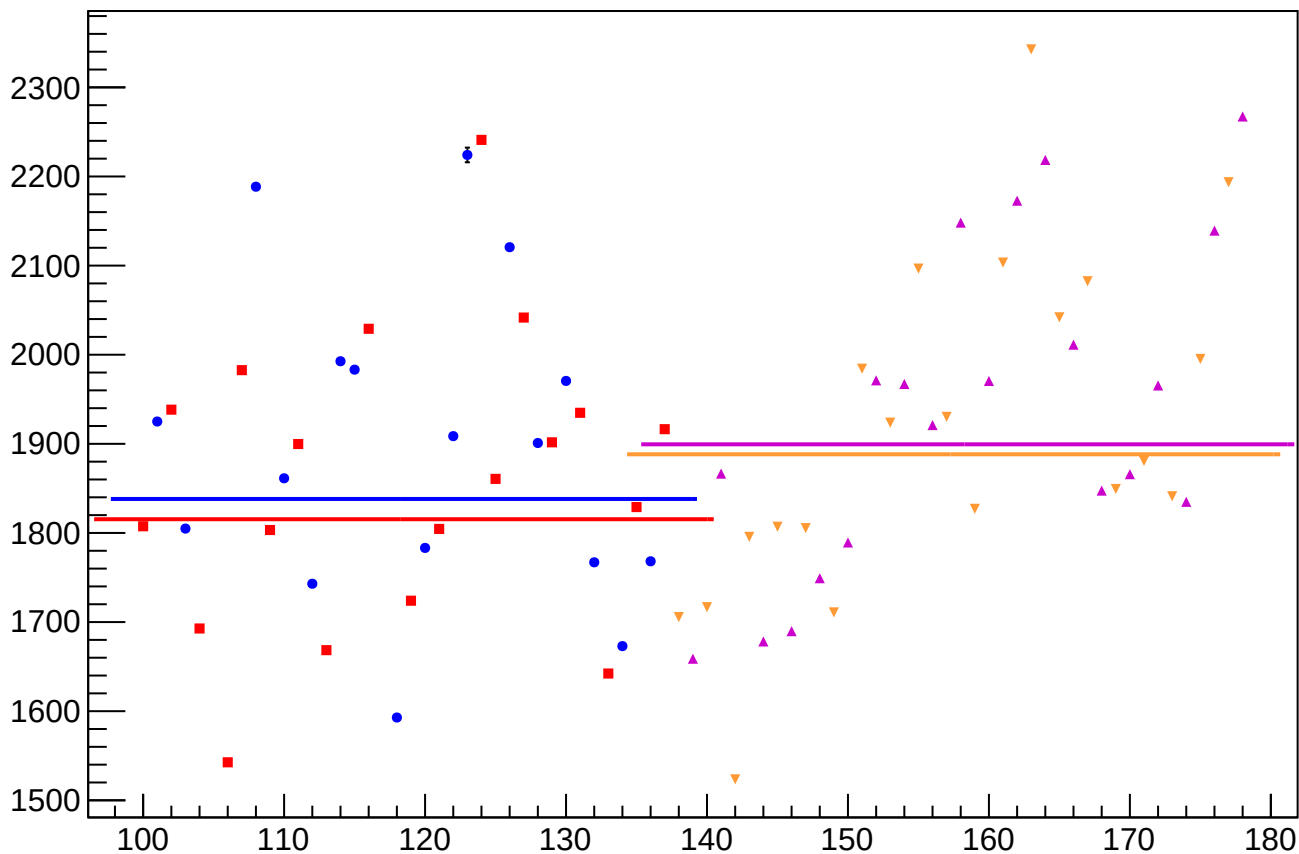
Left In: -4.145 ± 0.487 χ^2/NDF : 446.6/19

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

All: 5.797 ± 0.280 χ^2/NDF : 1596.8/76

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

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

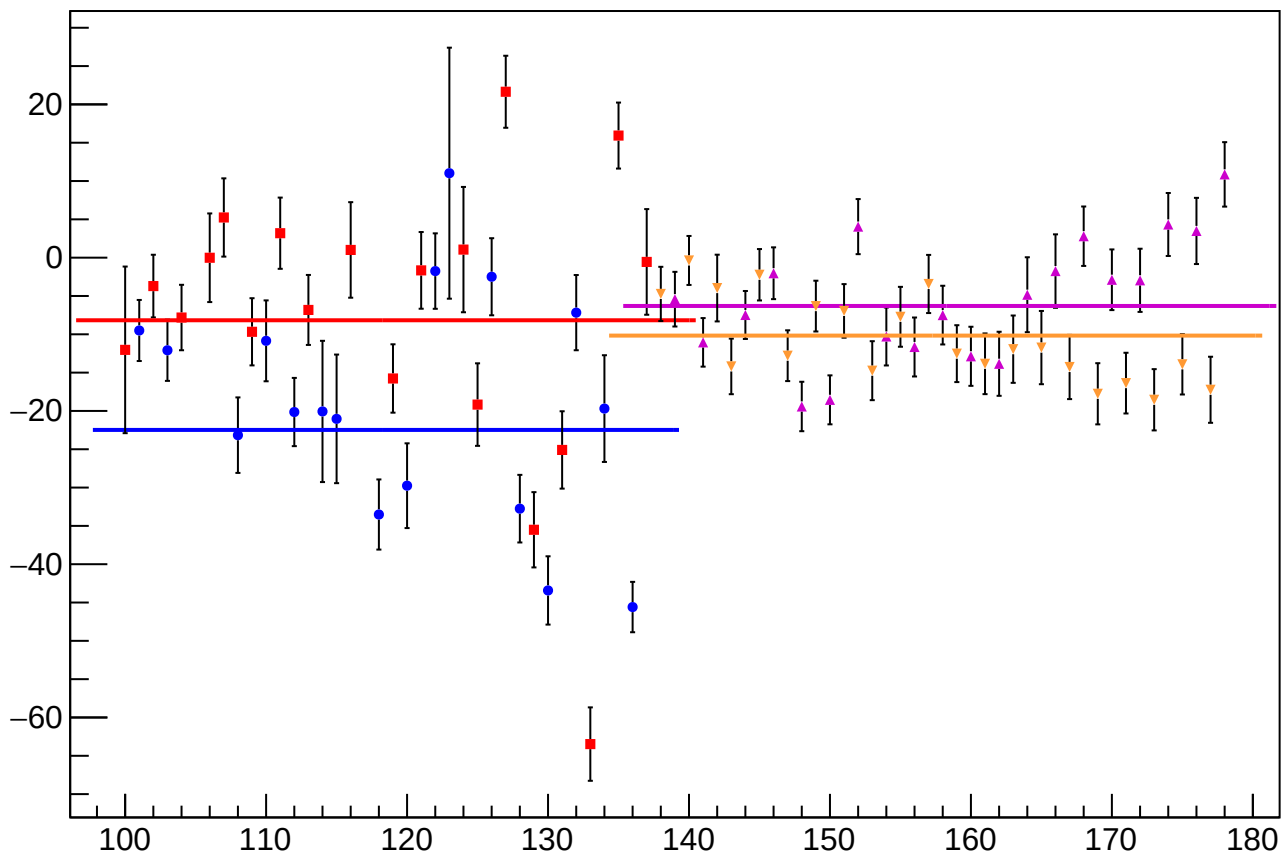
Left In: 1899.456 $\pm$ 0.344 χ^2 /NDF: 246734.9/19

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

All: 1871.913 $\pm$ 0.198 χ^2 /NDF: 705246.4/76

- 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: -10.169 ± 0.828 χ^2/NDF : 45.0/20

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

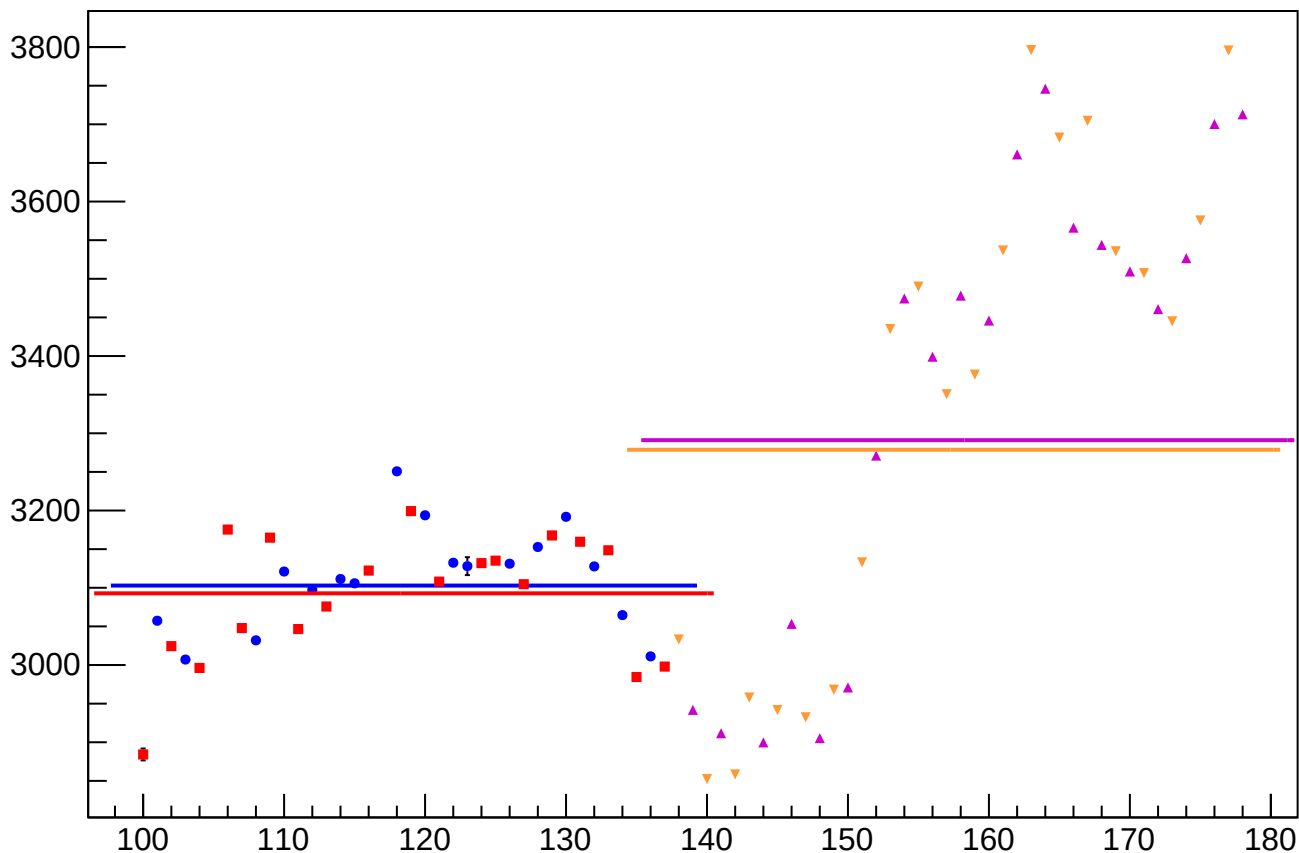
Left In: -6.302 ± 0.841 χ^2/NDF : 89.3/19

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

All: -10.554 ± 0.481 χ^2/NDF : 695.5/76

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

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

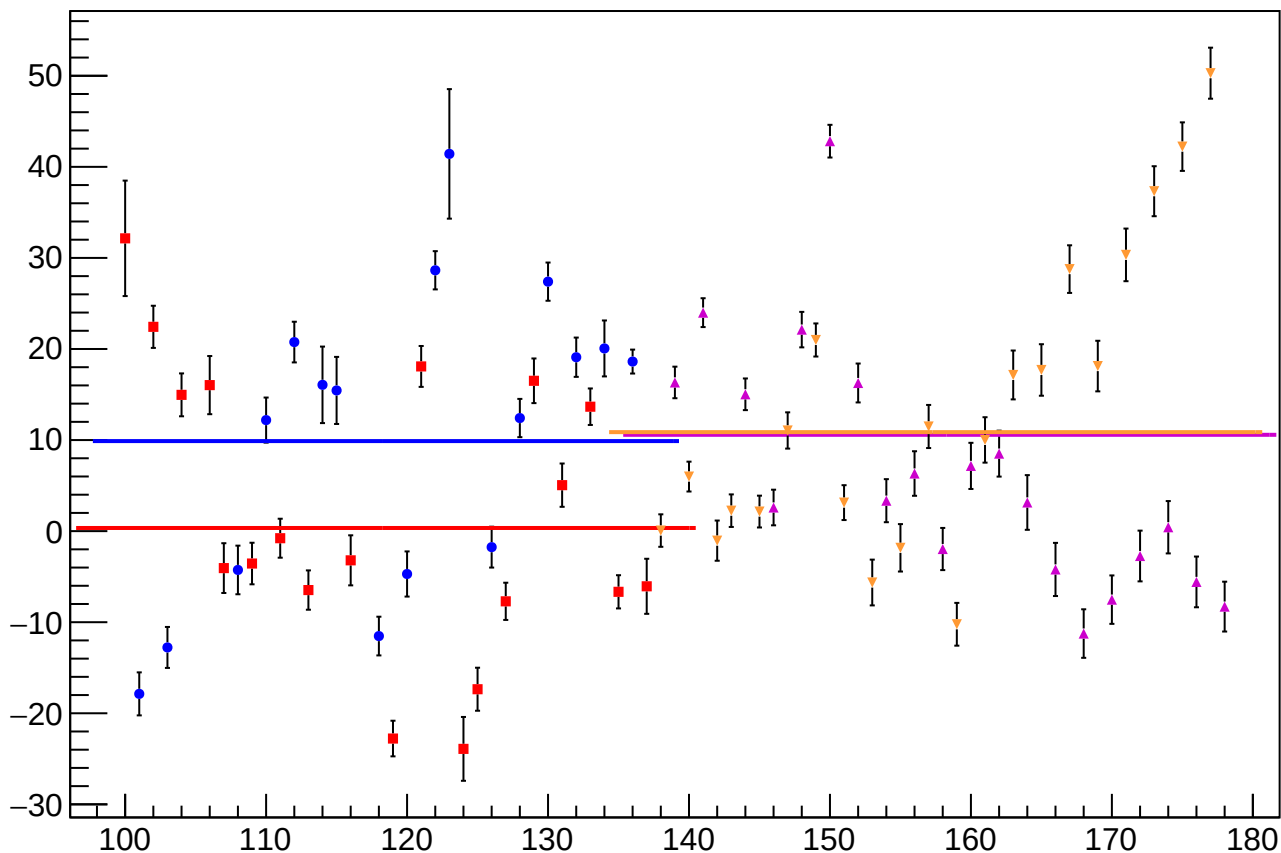
Left In: 3291.080 $\pm$ 0.595 χ^2 /NDF: 254282.7/19

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

All: 3222.057 $\pm$ 0.340 χ^2 /NDF: 620725.5/76

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

diff_bpm0l01Y_mean vs Slug



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

Left Out: 10.871 $\pm$ 0.485 χ^2 /NDF:857.7/20

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

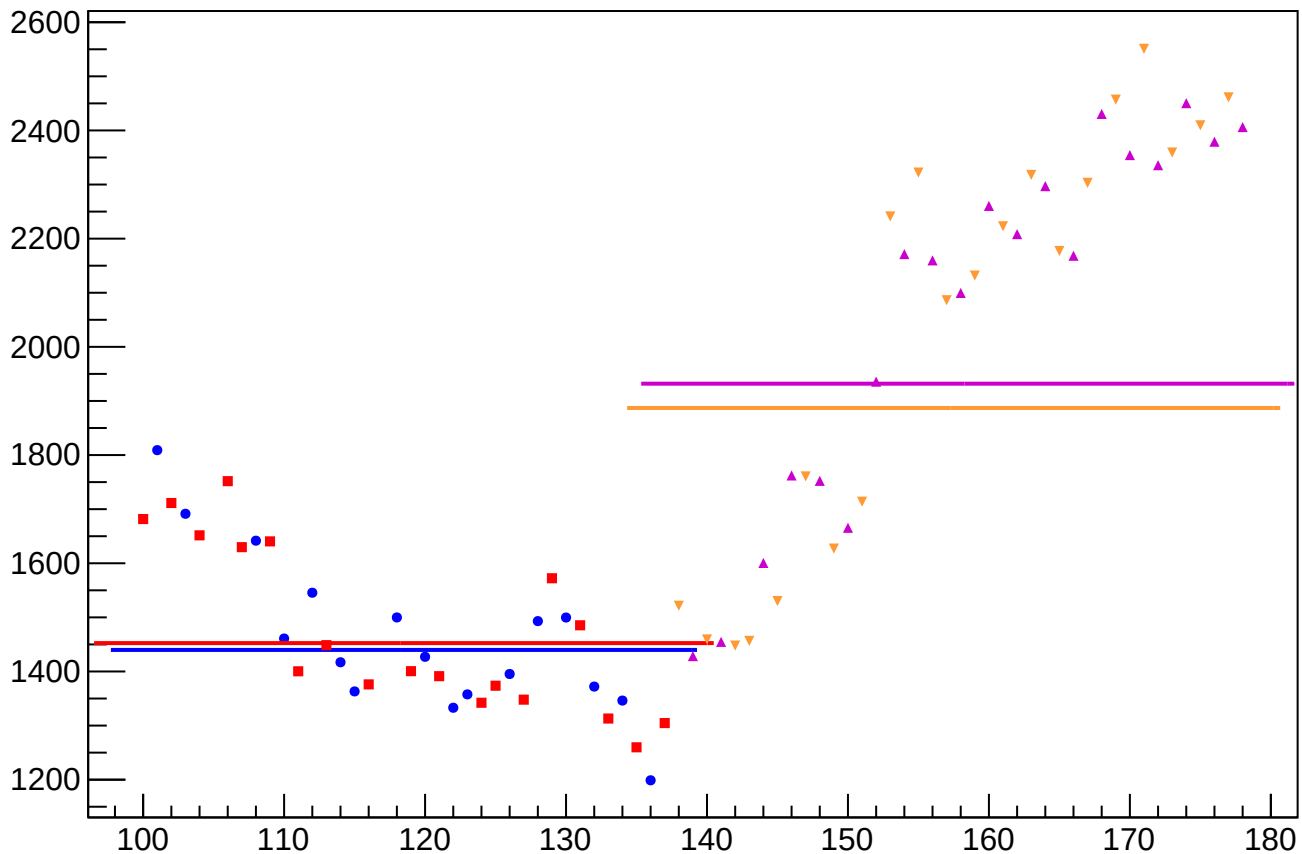
Left In: 10.577 $\pm$ 0.501 χ^2 /NDF:776.5/19

+ sign 10.449 $\pm$ 0.367 χ^2 /NDF: 1563.1/37

All: 8.197 $\pm$ 0.260 χ^2 /NDF: 3234.9/76

- sign 5.909 $\pm$ 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: 1887.012 $\pm$ 0.343 χ^2 /NDF:1265185.1/20

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

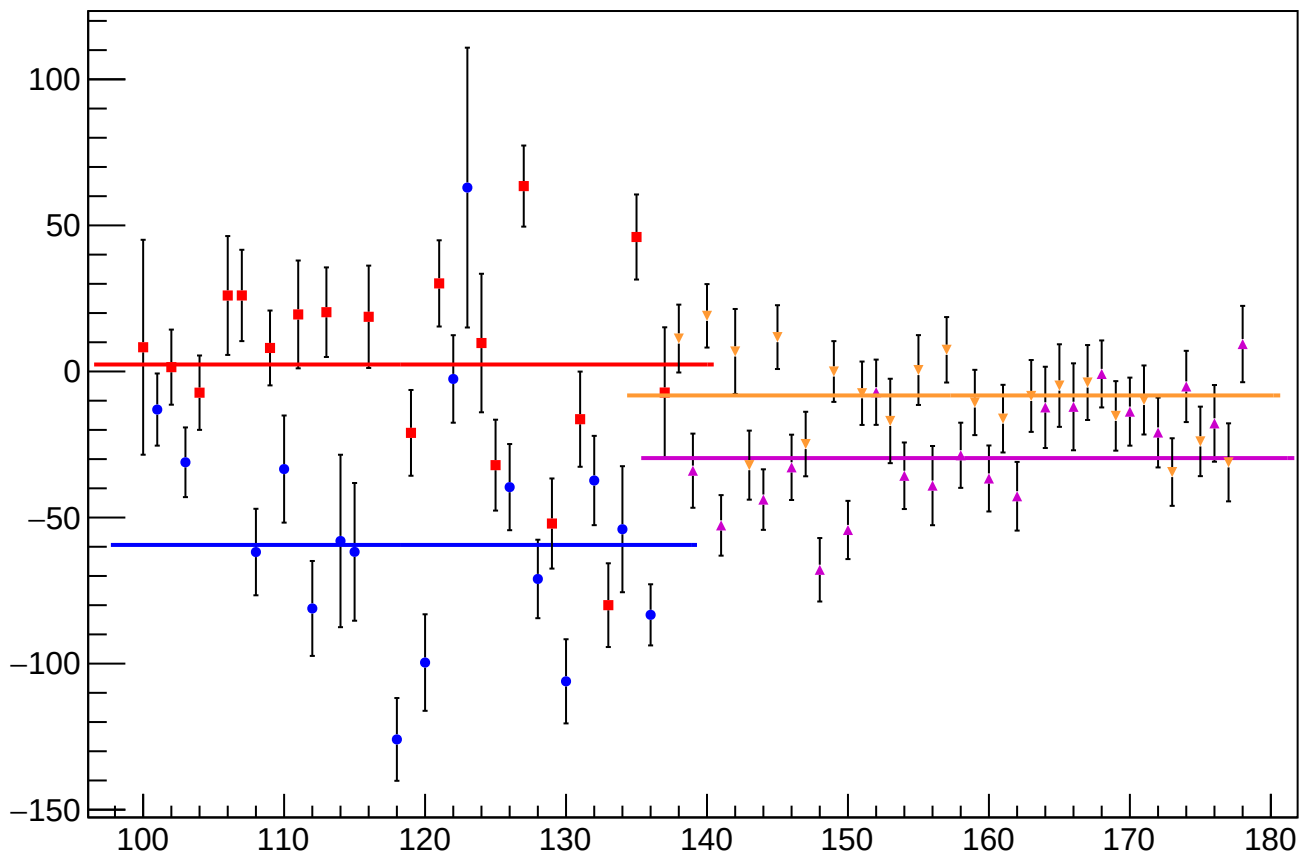
Left In: 1931.926 $\pm$ 0.354 χ^2 /NDF:986951.9/19

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

All: 1704.046 $\pm$ 0.184 χ^2 /NDF: 4131117.6/70

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

diff_bpm0l02X_mean vs Slug



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

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

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

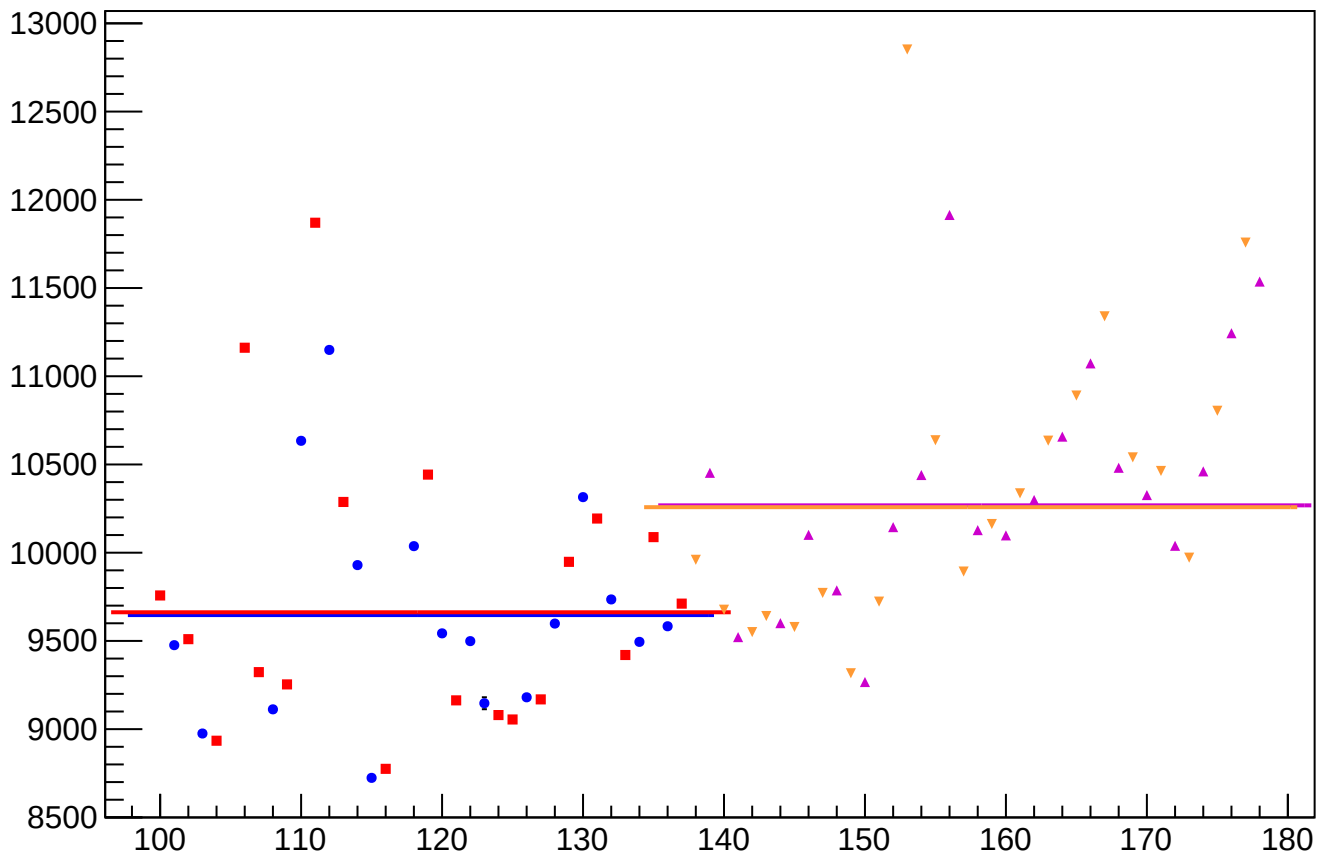
Left In: -29.649 ± 2.620 χ^2/NDF : 57.4/19

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

All: -21.752 ± 1.503 χ^2/NDF : 461.0/76

- sign -18.676 ± 2.124 χ^2/NDF : 202.6/38

diff_bpm0l02X_rms vs Slug



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

Left Out: 10257.919 $\pm$ 1.829 χ^2 /NDF: 171432.2/20

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

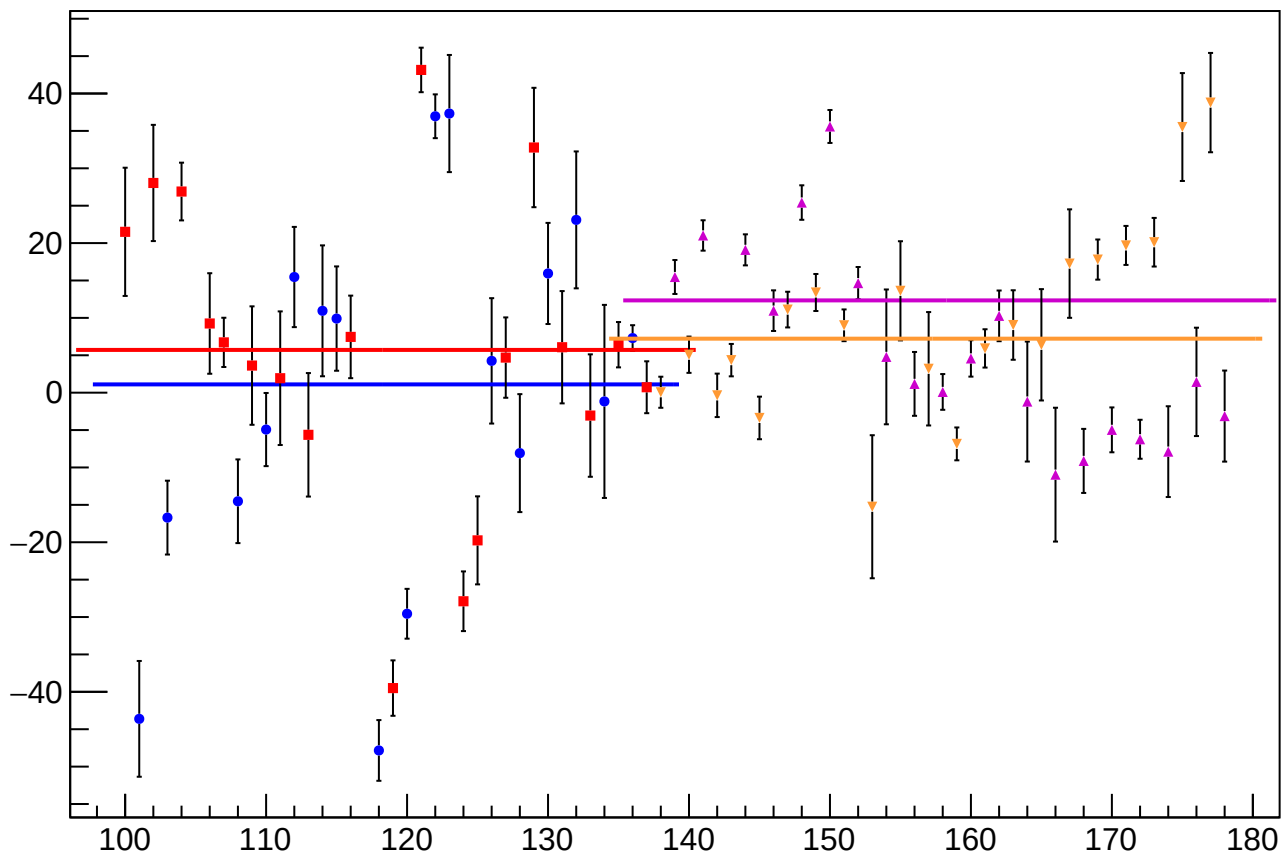
Left In: 10268.336 $\pm$ 1.852 χ^2 /NDF: 113913.1/19

+ sign 10059.225 $\pm$ 1.503 χ^2 /NDF: 251793.7/37

All: 10060.004 $\pm$ 1.062 χ^2 /NDF: 479942.5/76

- 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: 7.221 ± 0.654 χ^2/NDF : 186.9/20

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

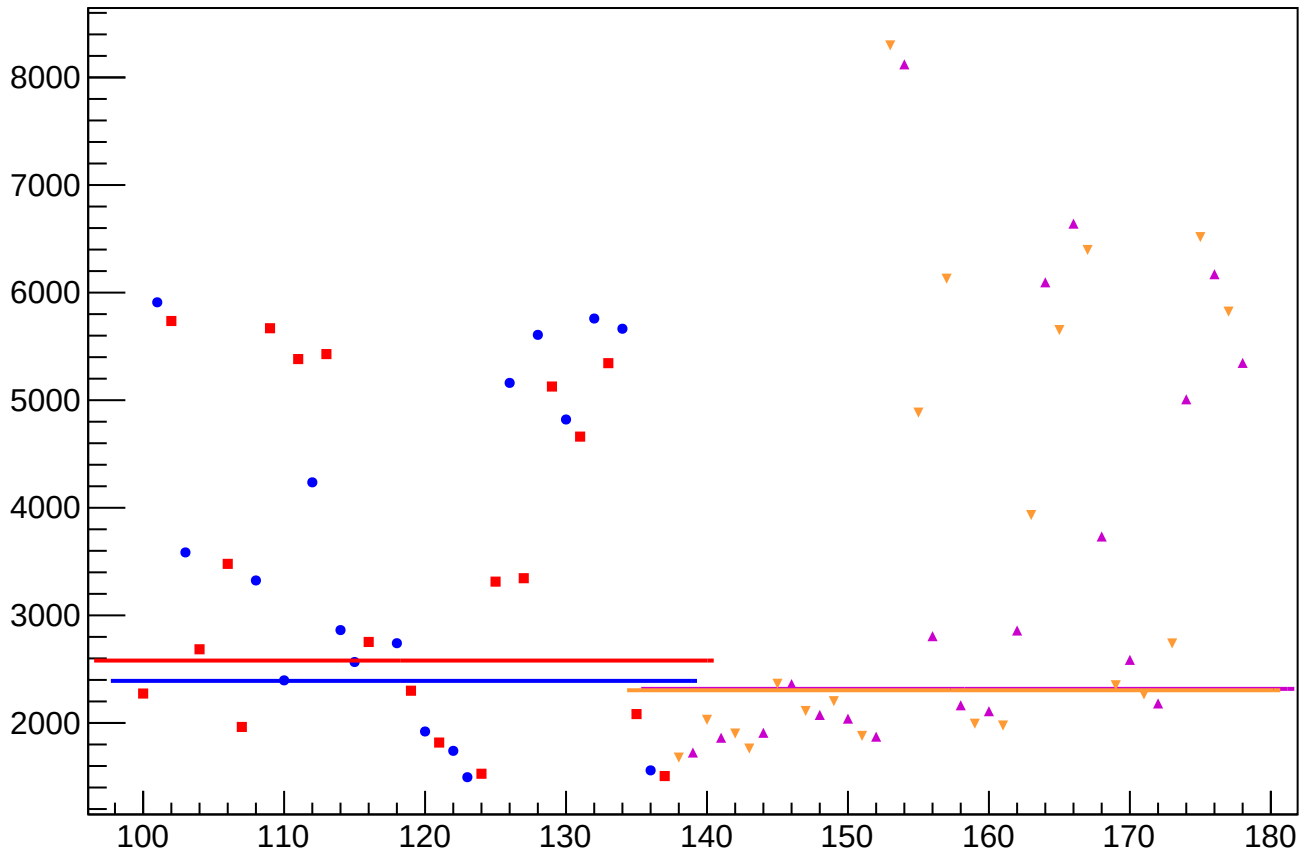
Left In: 12.338 ± 0.656 χ^2/NDF : 358.8/19

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

All: 8.046 ± 0.396 χ^2/NDF : 1582.7/76

- 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: 2304.074 $\pm$ 0.463 χ^2 /NDF: 4706163.0/20

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

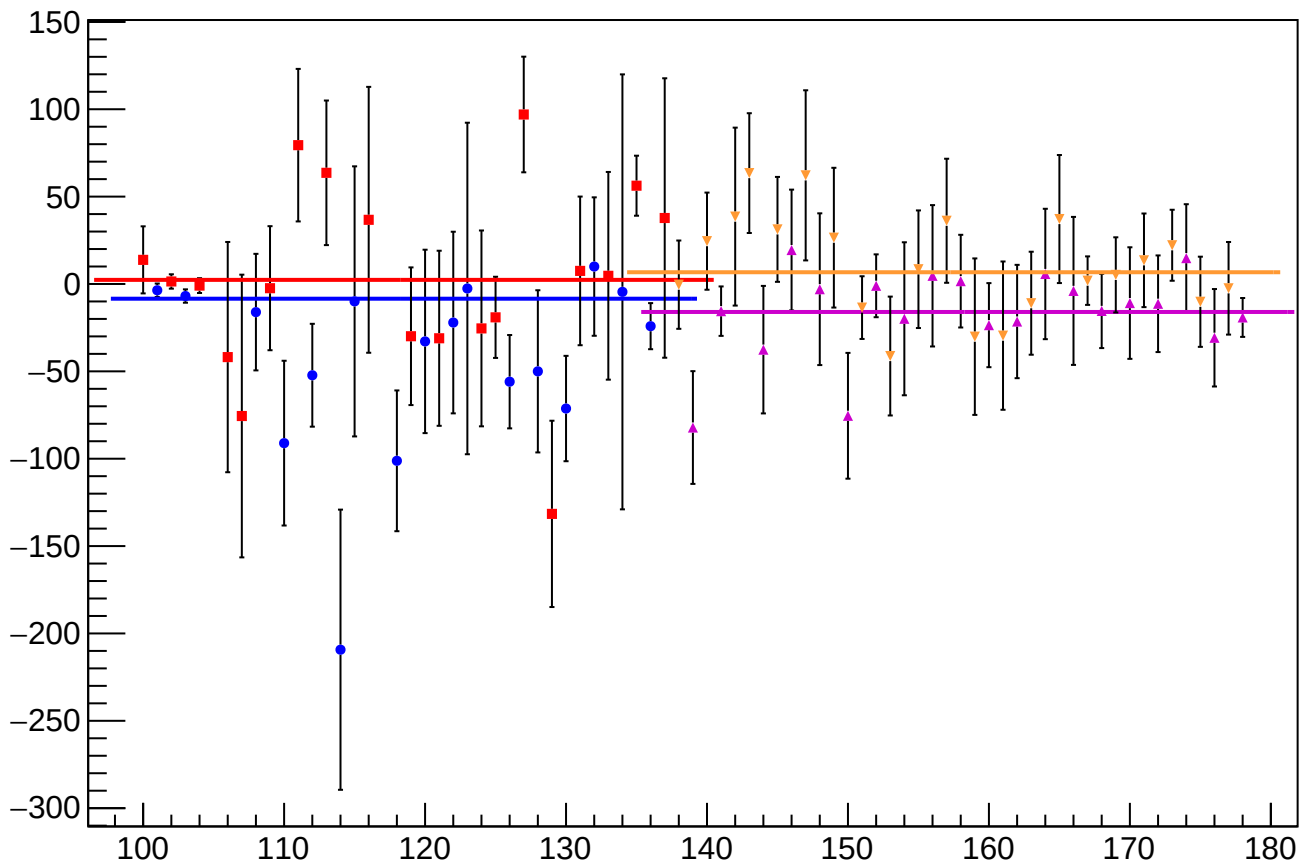
Left In: 2316.939 $\pm$ 0.464 χ^2 /NDF: 3987854.9/19

+ sign 2327.899 $\pm$ 0.394 χ^2 /NDF: 7316398.4/37

All: 2357.097 $\pm$ 0.280 χ^2 /NDF: 13766006.0/7

- 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: 6.716 ± 5.878 χ^2/NDF : 13.6/20

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

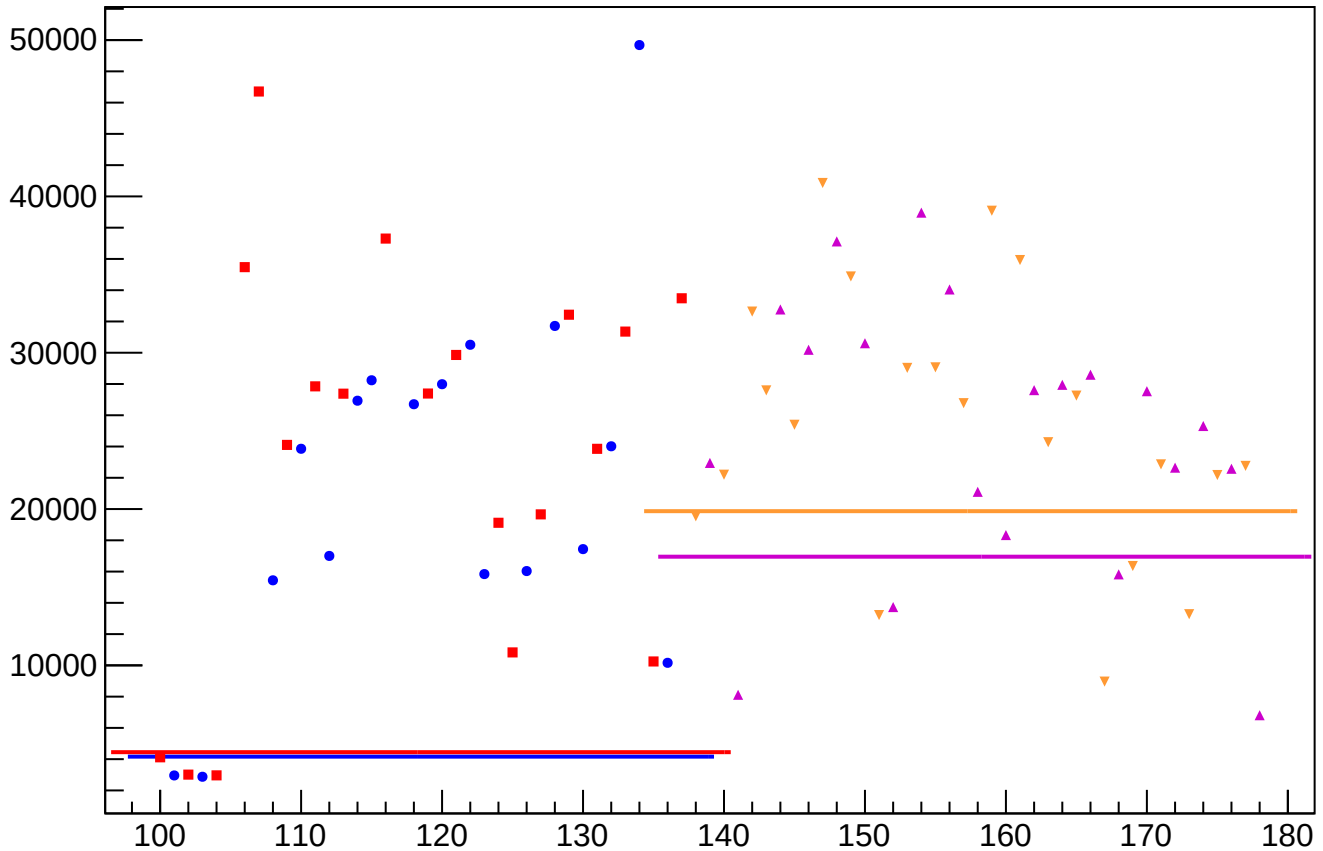
Left In: -16.023 ± 5.474 χ^2/NDF : 11.8/19

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

All: -3.810 ± 1.714 χ^2/NDF : 105.2/76

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

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

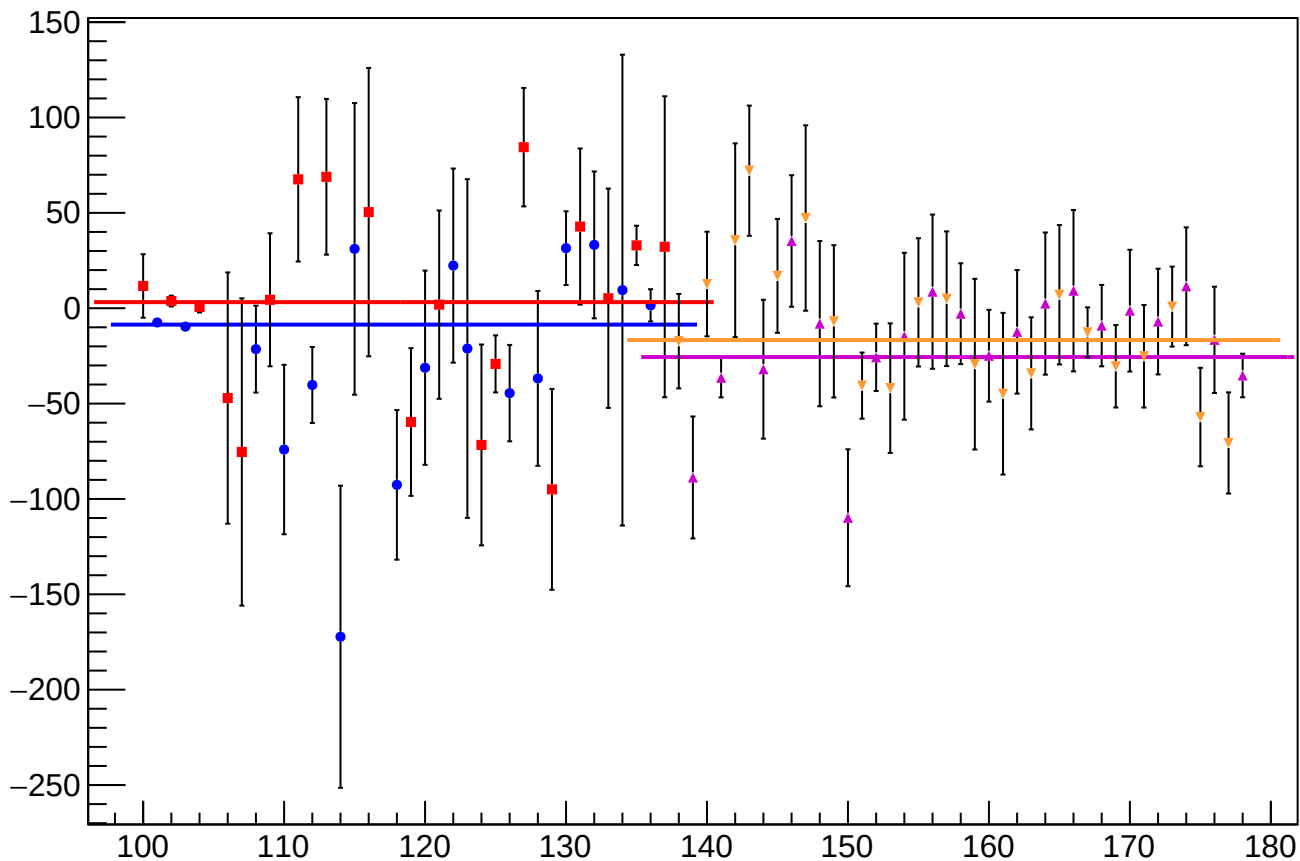
Left In: 16952.272+/-3.871 χ^2/NDF : 5961335.5/19

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

All: 6858.603+/-1.212 χ^2/NDF : 43591173.8/7

- 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: -16.696 ± 5.797 χ^2/NDF : 24.4/20

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

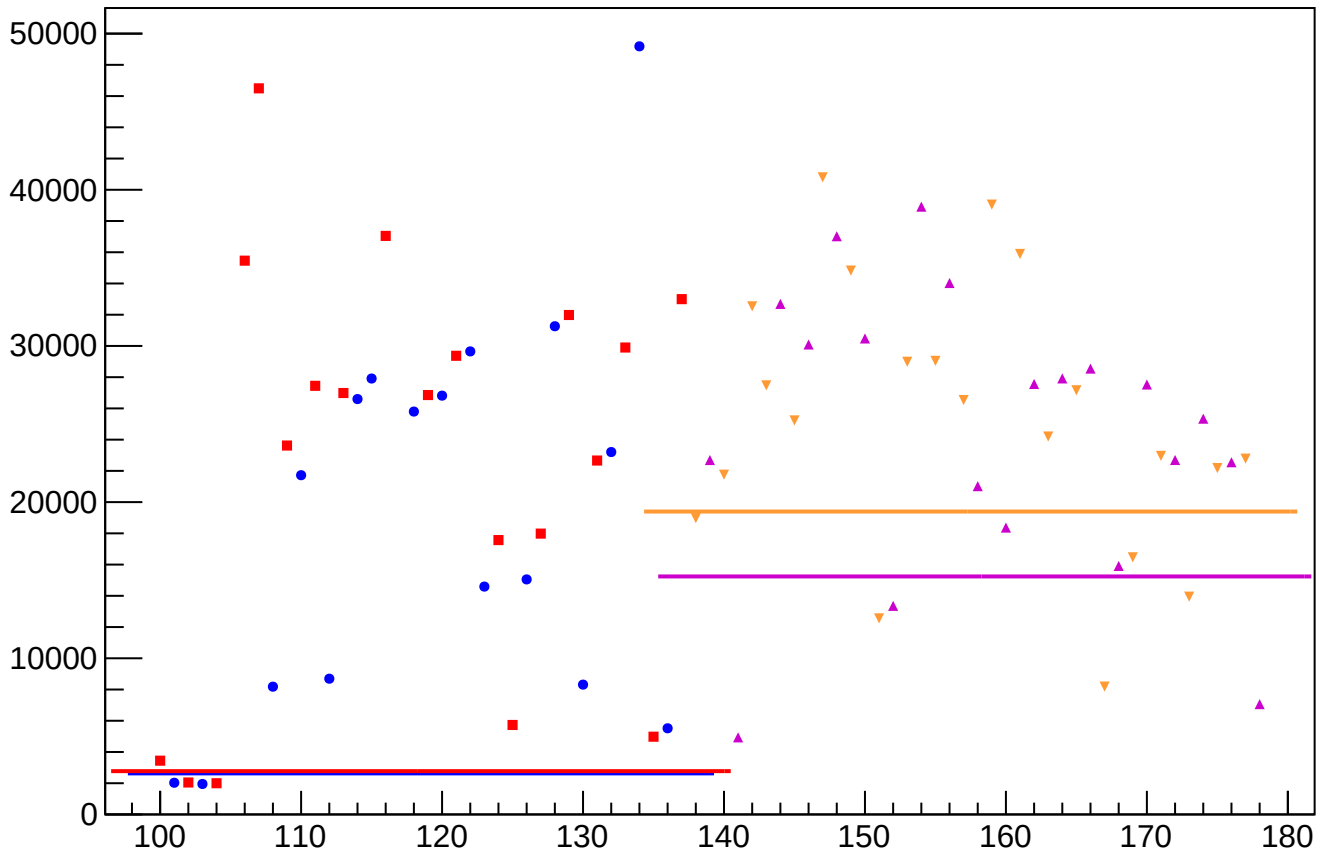
Left In: -25.607 ± 5.165 χ^2/NDF : 20.6/19

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

All: -5.058 ± 1.236 χ^2/NDF : 148.5/76

- 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

Left Out: 19396.285+/-4.099 χ^2/NDF : 4298496.2/20

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

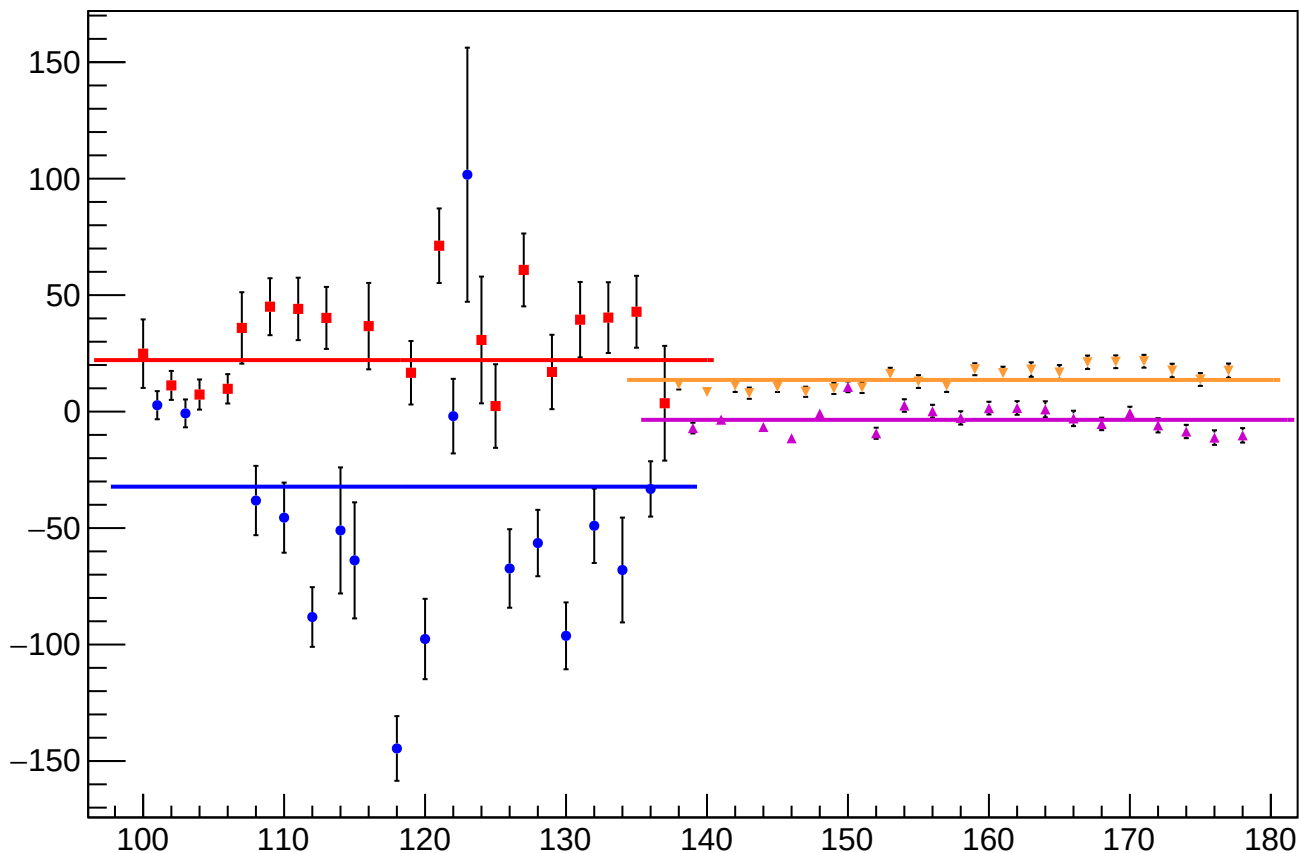
Left In: 15240.518+/-3.652 χ^2/NDF : 7510188.6/19

+ sign 4071.909+/-1.202 χ^2/NDF : 25180144.7/37

All: 4174.681+/-0.874 χ^2/NDF : 50776554.4/7

- sign 4290.145+/-1.274 χ^2/NDF : 25580881.4/38

diff_bpm0l04X_mean vs Slug



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

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

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

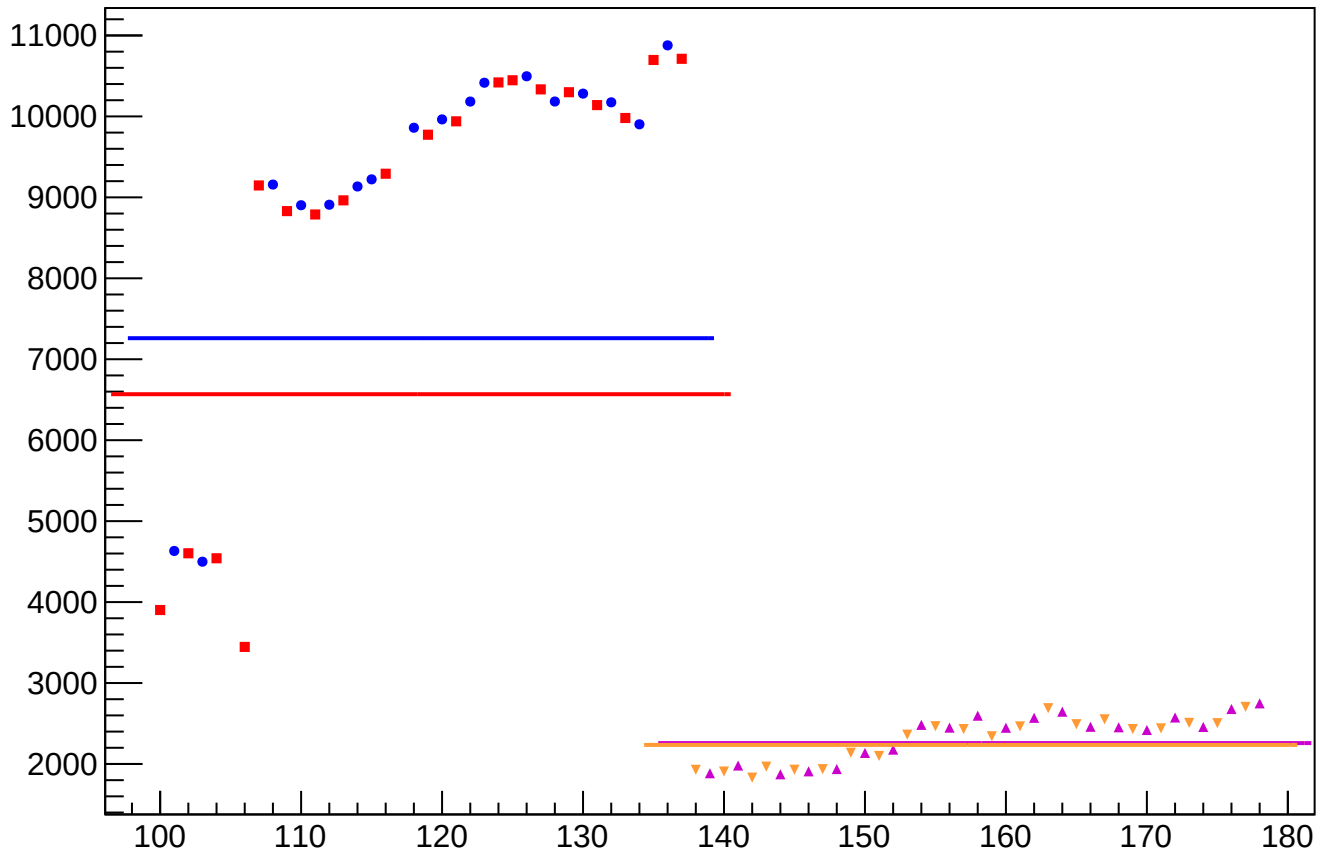
Left In: -3.534 ± 0.580 χ^2/NDF : 94.9/19

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

All: 4.943 ± 0.397 χ^2/NDF : 1046.8/76

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

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

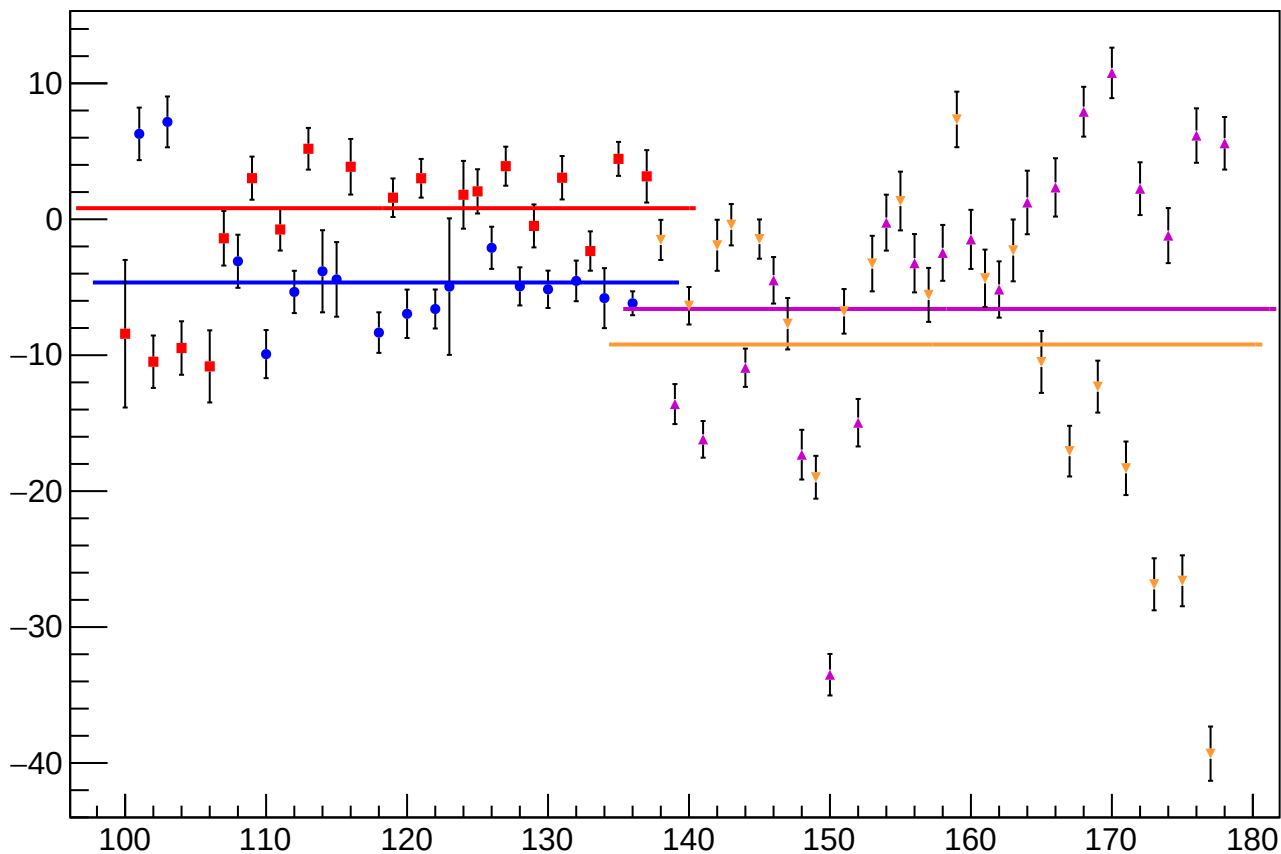
Left In: 2258.069 $\pm$ 0.410 χ^2 /NDF: 516306.3/19

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

All: 2431.208 $\pm$ 0.281 χ^2 /NDF: 15283325.6/7

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

diff_bpm0l04Y_mean vs Slug



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

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

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

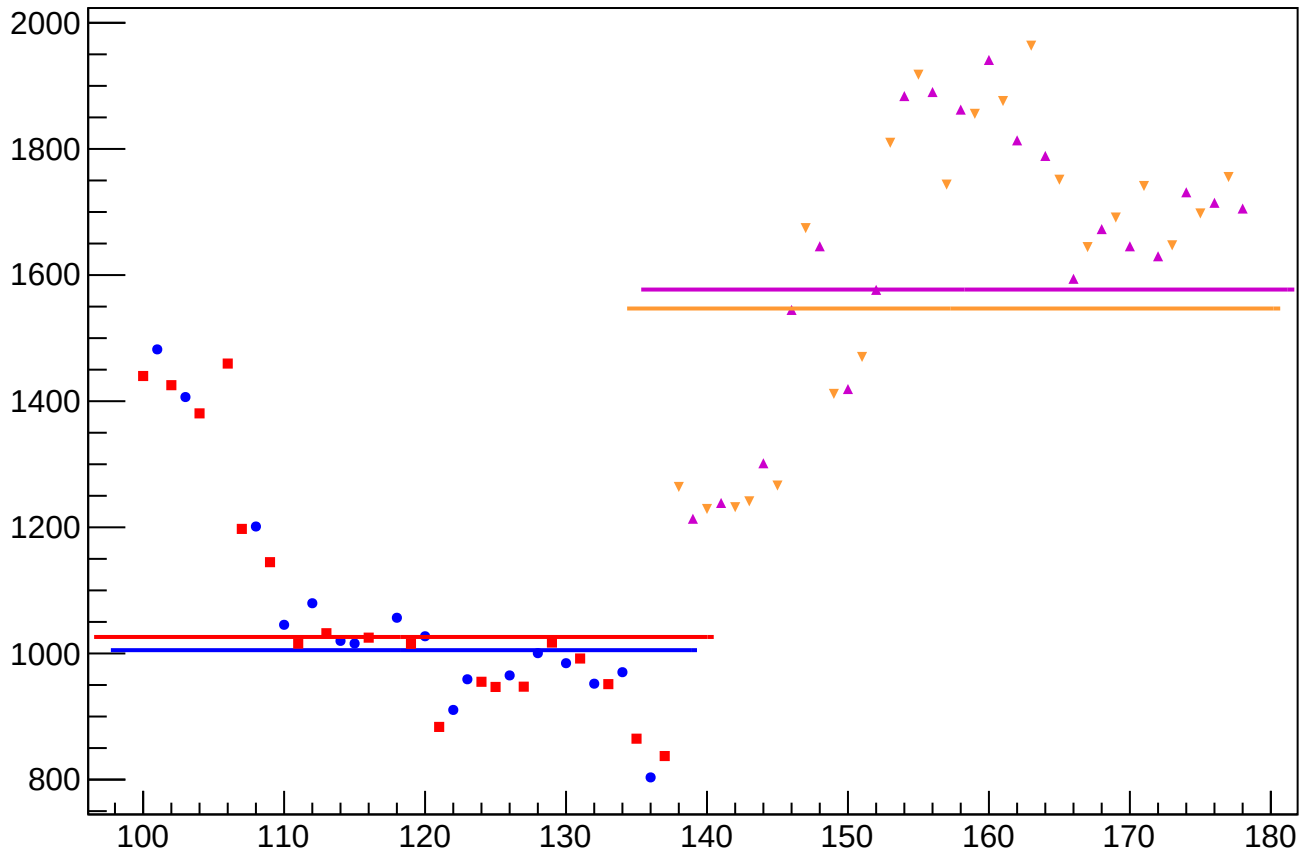
Left In: -6.600 ± 0.406 χ^2/NDF : 760.8/19

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

All: -4.842 ± 0.198 χ^2/NDF : 2042.3/76

- sign -2.728 ± 0.281 χ^2/NDF : 1058.4/38

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1546.976 $\pm$ 0.279 χ^2 /NDF: 786188.4/20

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

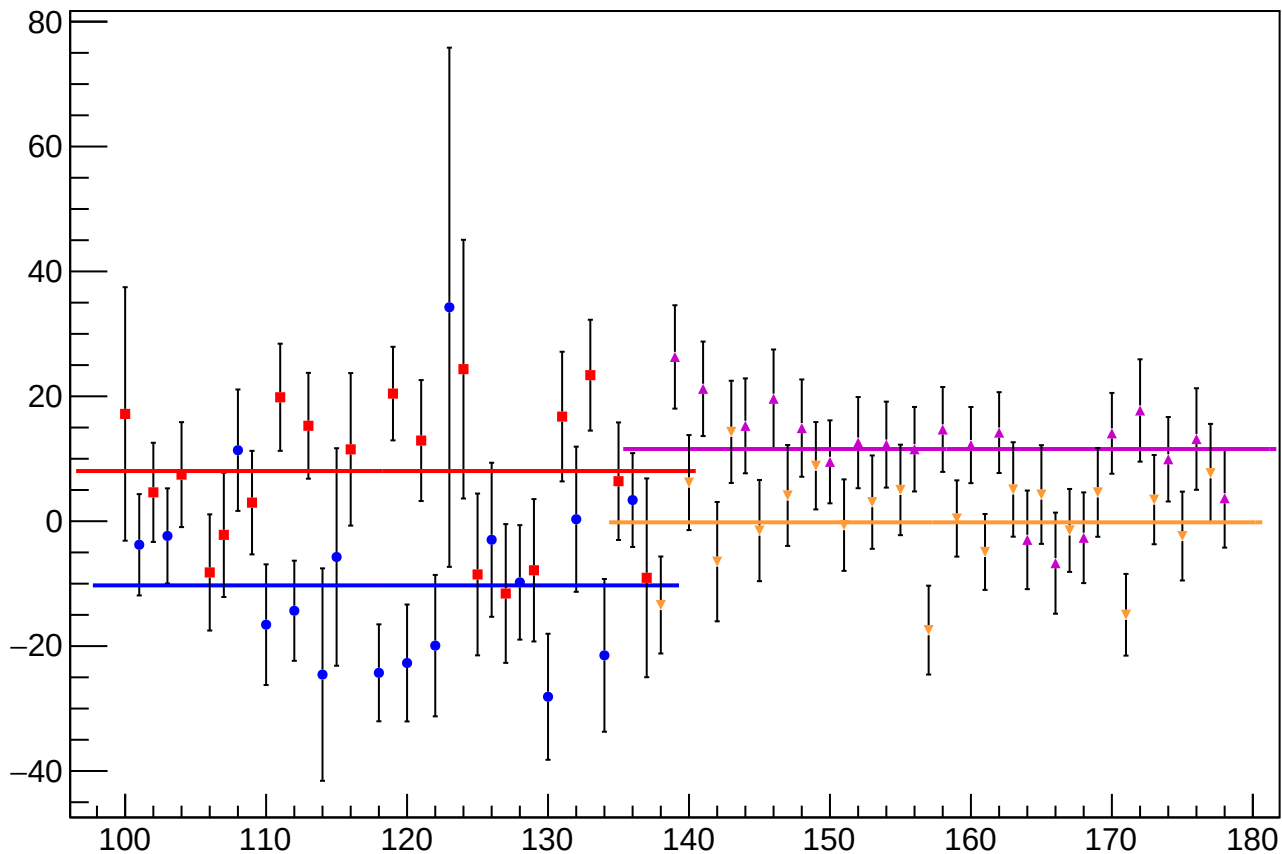
Left In: 1577.037 $\pm$ 0.287 χ^2 /NDF: 613238.2/19

+ sign 1274.689 $\pm$ 0.197 χ^2 /NDF: 3042080.4/37

All: 1281.946 $\pm$ 0.140 χ^2 /NDF: 5912251.7/76

- 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: -0.177 ± 1.592 χ^2/NDF : 24.1/20

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

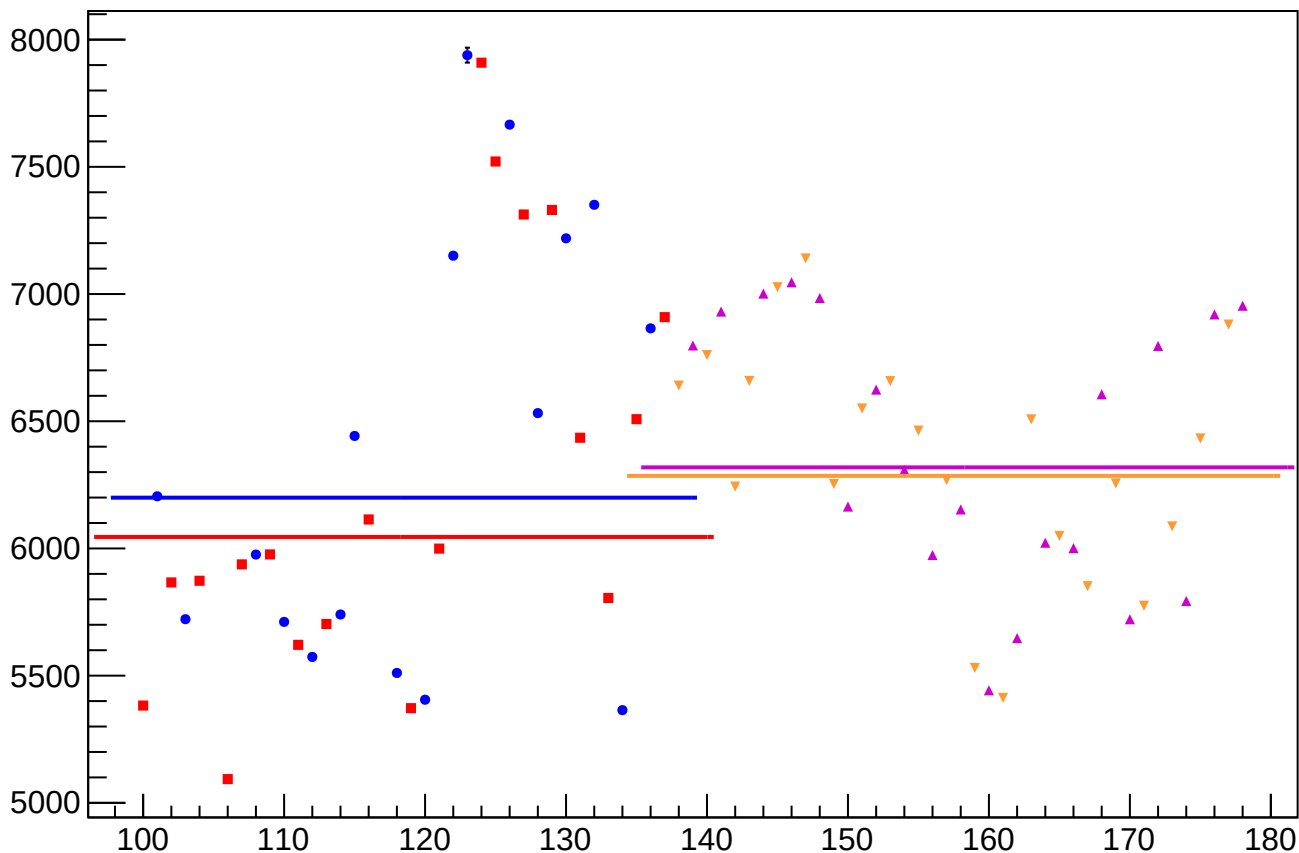
Lt In: 11.560 ± 1.621 χ^2/NDF : 20.9/19

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

All: 3.602 ± 0.936 χ^2/NDF : 158.0/76

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

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

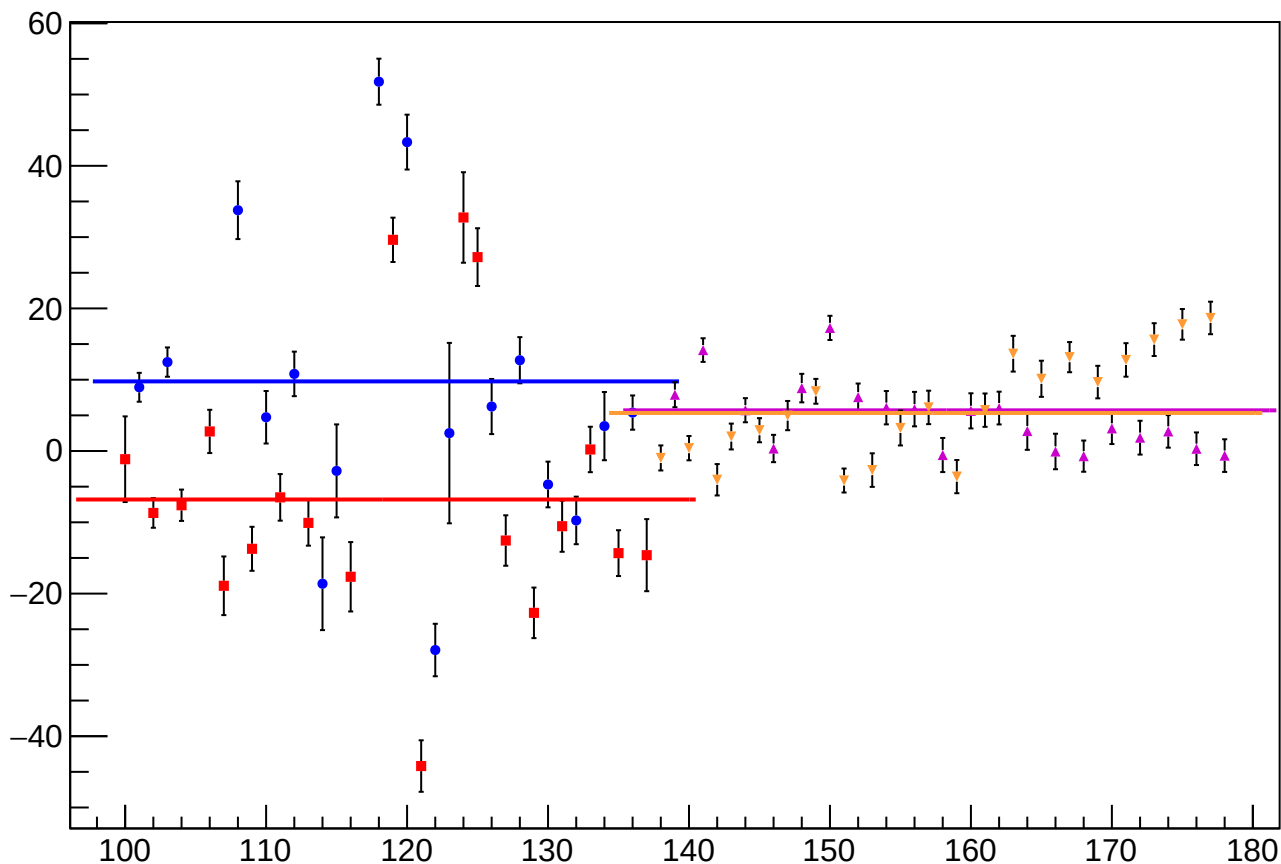
Left In: 6318.654 $\pm$ 1.146 χ^2 /NDF: 210113.0/19

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

All: 6242.920 $\pm$ 0.662 χ^2 /NDF: 735652.0/76

- 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: 5.336 ± 0.454 χ^2/NDF : 236.2/20

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

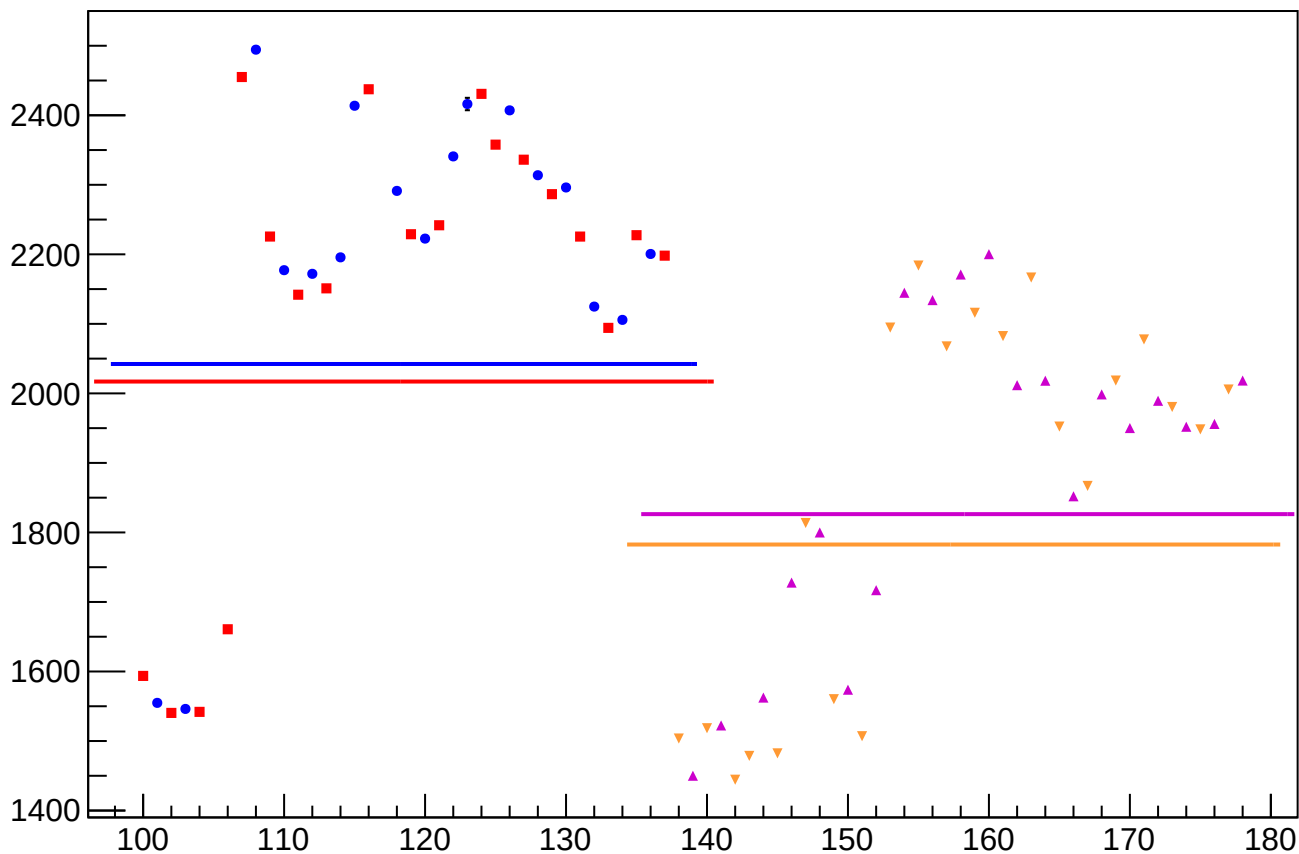
Left In: 5.703 ± 0.469 χ^2/NDF : 126.2/19

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

All: 4.380 ± 0.281 χ^2/NDF : 1529.8/76

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

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1782.618 $\pm$ 0.321 χ^2 /NDF: 701578.2/20

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

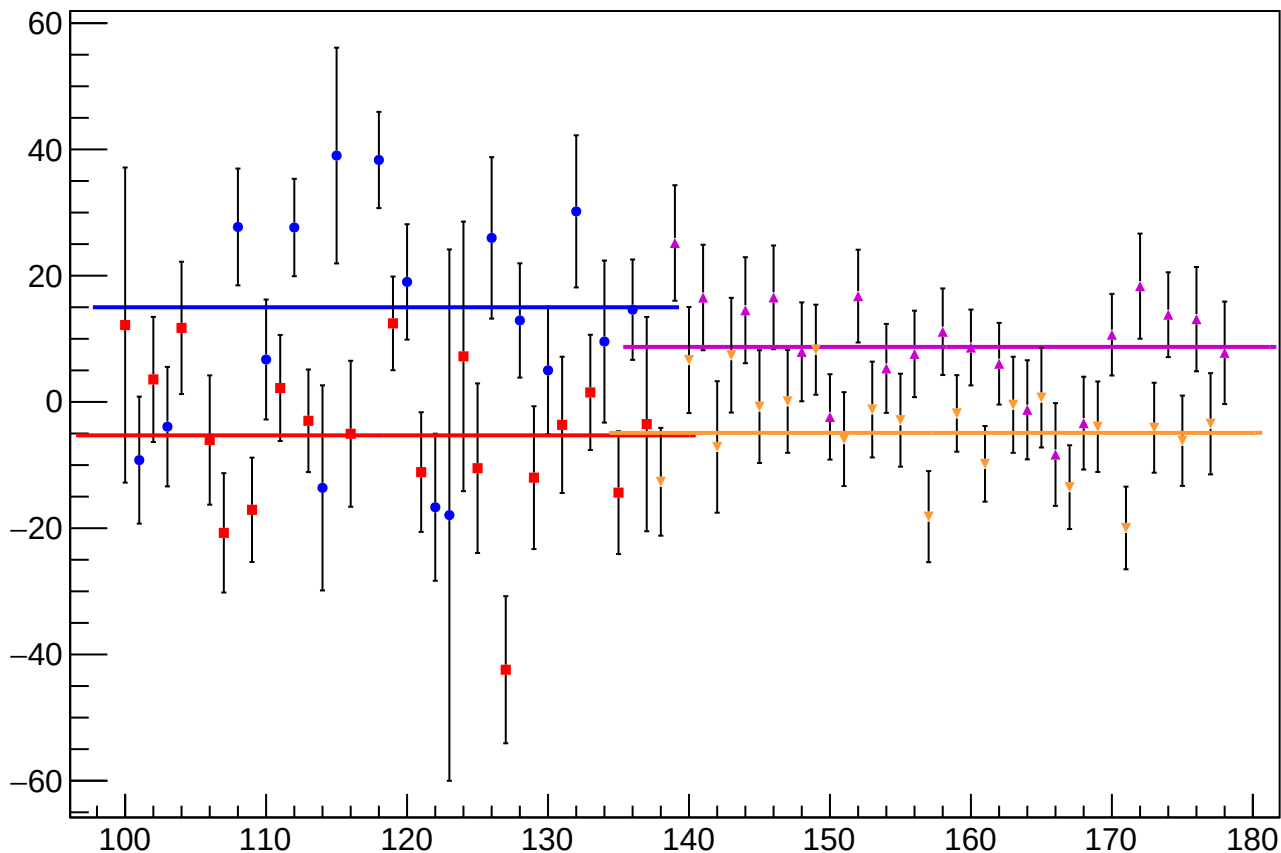
Left In: 1826.322 $\pm$ 0.332 χ^2 /NDF: 499695.0/19

+ sign 1846.223 $\pm$ 0.279 χ^2 /NDF: 1218734.3/37

All: 1862.138 $\pm$ 0.199 χ^2 /NDF: 2190994.7/70

- sign 1878.517 $\pm$ 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: -4.898 $\pm$ 1.626 χ^2 /NDF: 21.1/20

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

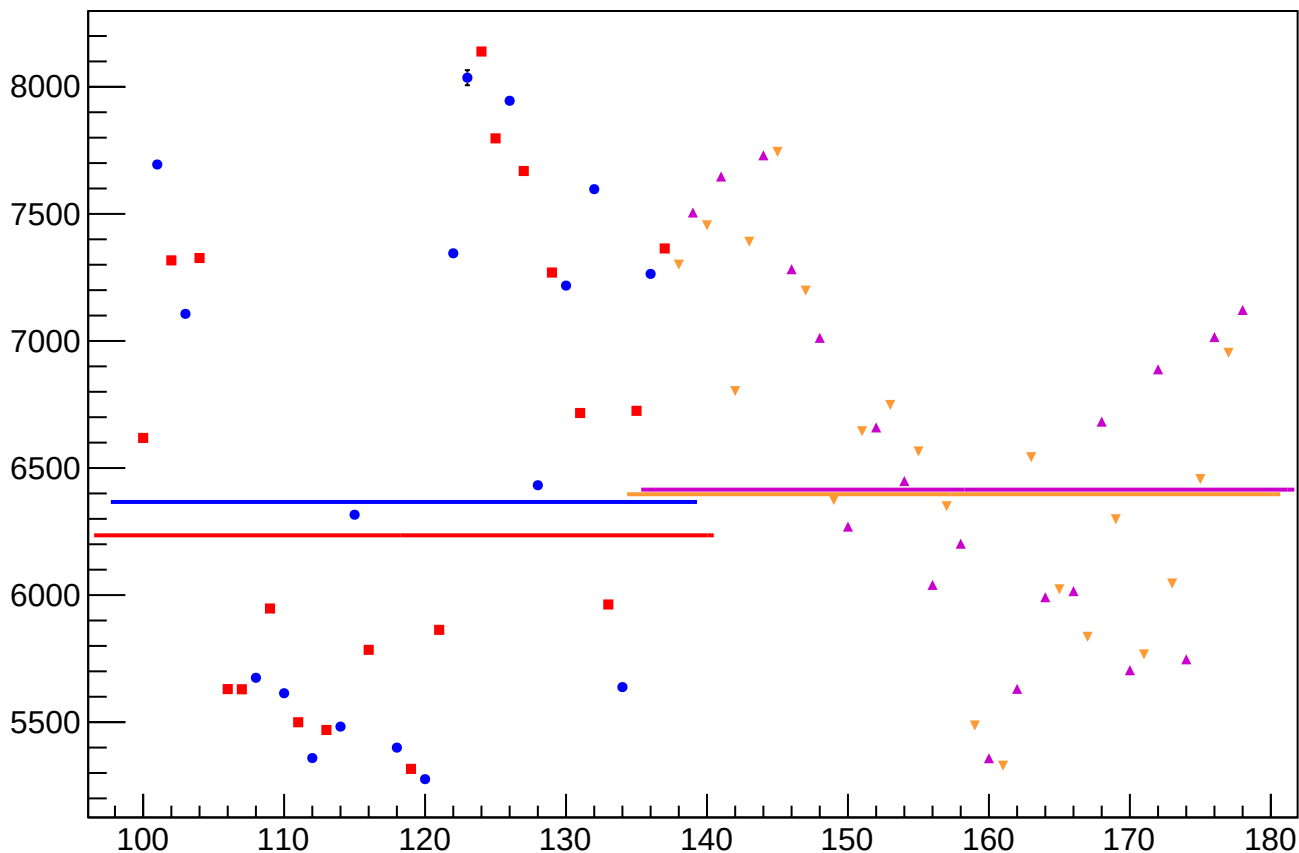
Left In: 8.719 $\pm$ 1.652 χ^2 /NDF: 20.9/19

+ sign 1.065 $\pm$ 1.361 χ^2 /NDF: 107.3/37

All: 2.594 $\pm$ 0.959 χ^2 /NDF: 182.5/76

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

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

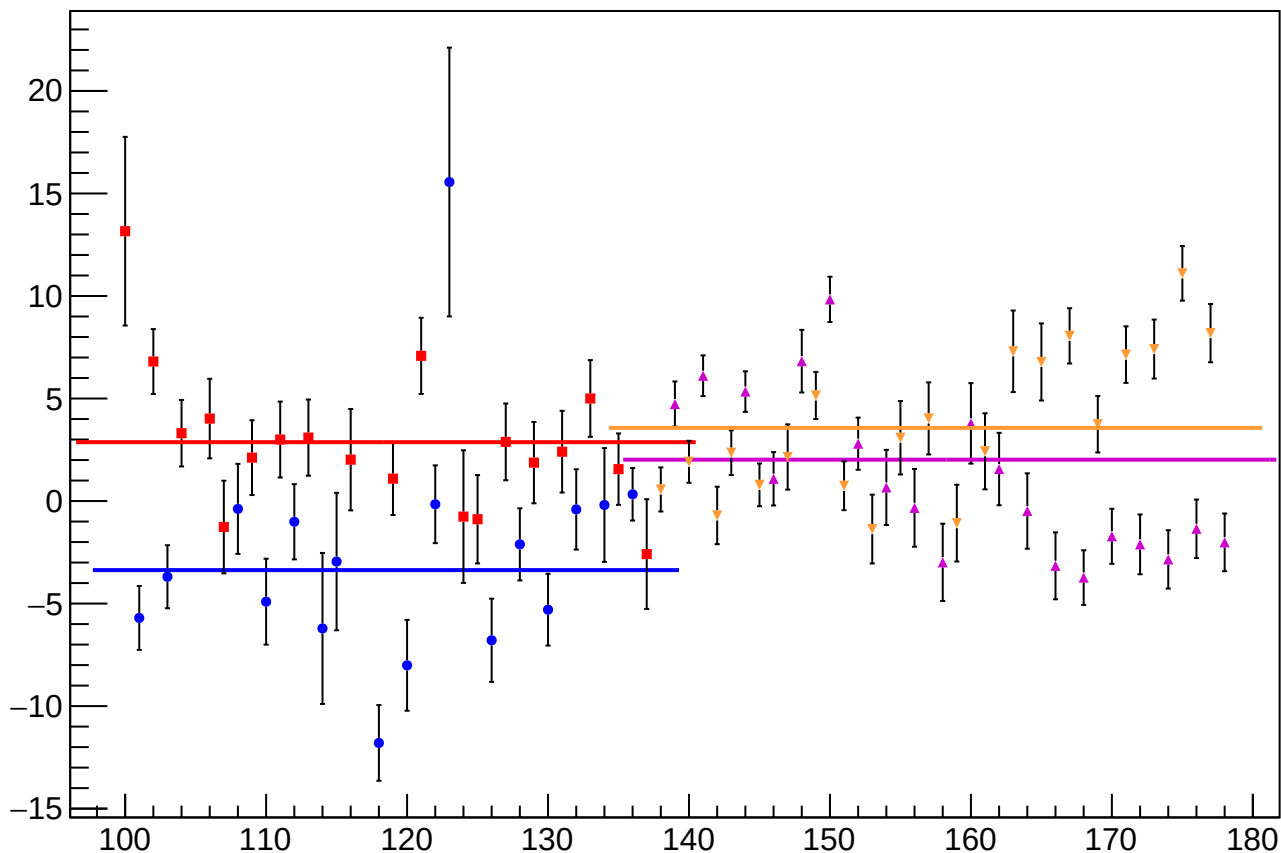
Left In: 6414.983+/-1.168 χ^2/NDF : 346904.8/19

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

All: 6371.669+/-0.678 χ^2/NDF : 1200446.0/76

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

diff_bpm0l06Y_mean vs Slug



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

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

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

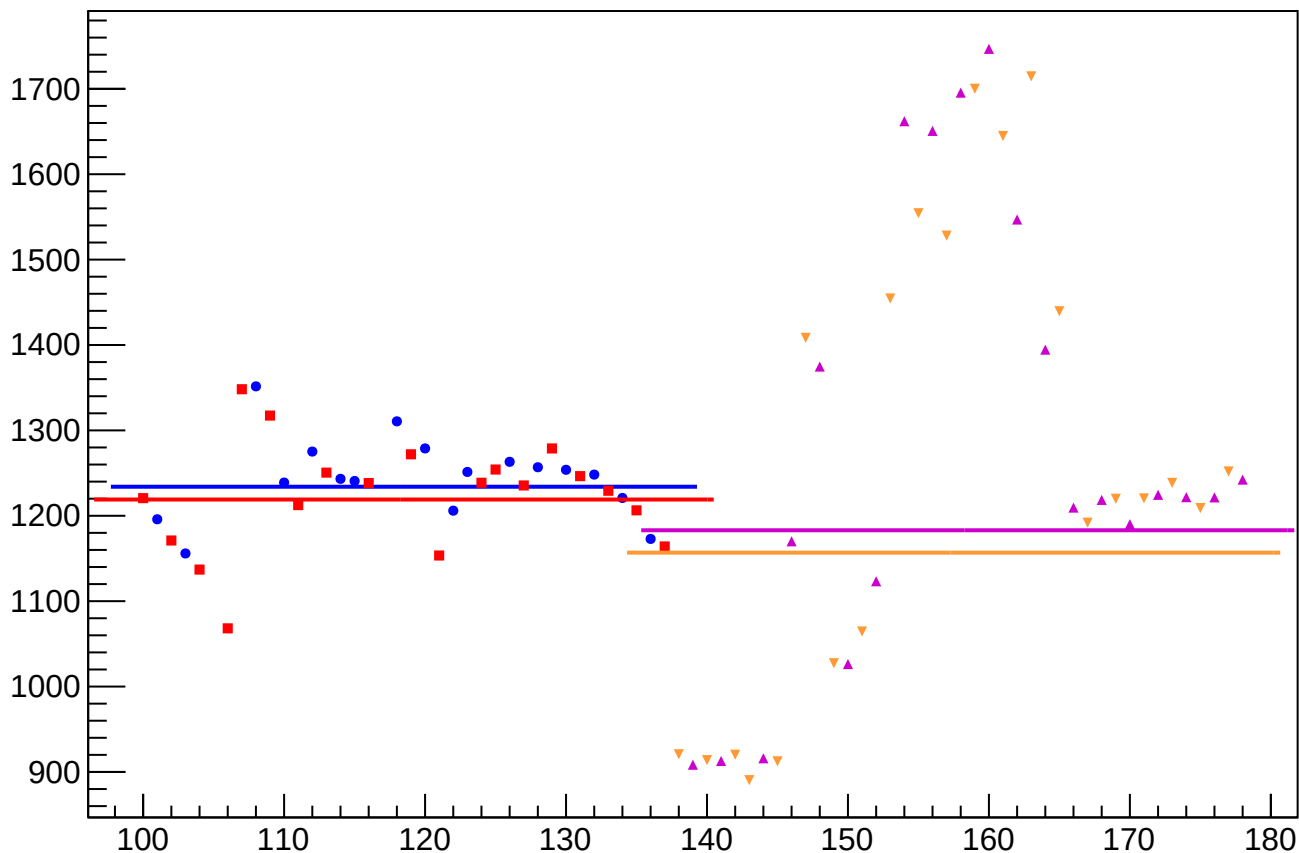
Left In: 2.018 ± 0.308 χ^2/NDF : 177.1/19

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

All: 1.942 ± 0.180 χ^2/NDF : 553.3/76

- sign 2.285 ± 0.256 χ^2/NDF : 211.5/38

diff_bpm0l06Y_rms vs Slug



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

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

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

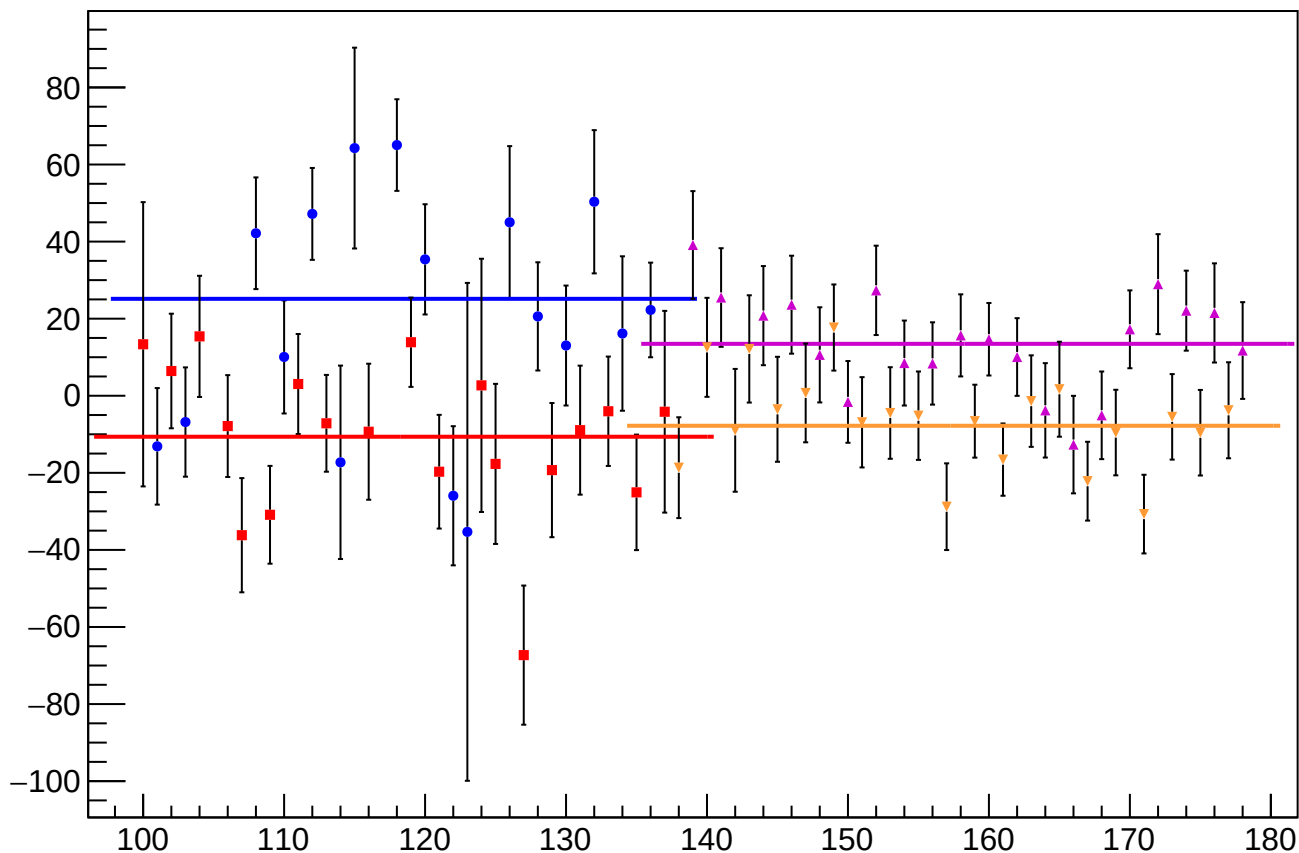
Left In: 1183.025 $\pm$ 0.218 χ^2 /NDF: 1187575.3/19

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

All: 1186.415 $\pm$ 0.127 χ^2 /NDF: 2672980.9/70

- sign 1194.319 $\pm$ 0.181 χ^2 /NDF: 1236494.9/38

diff_bpm0l07X_mean vs Slug



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

Left Out: -7.785 ± 2.527 $\chi^2/\text{NDF}: 23.6/20$

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

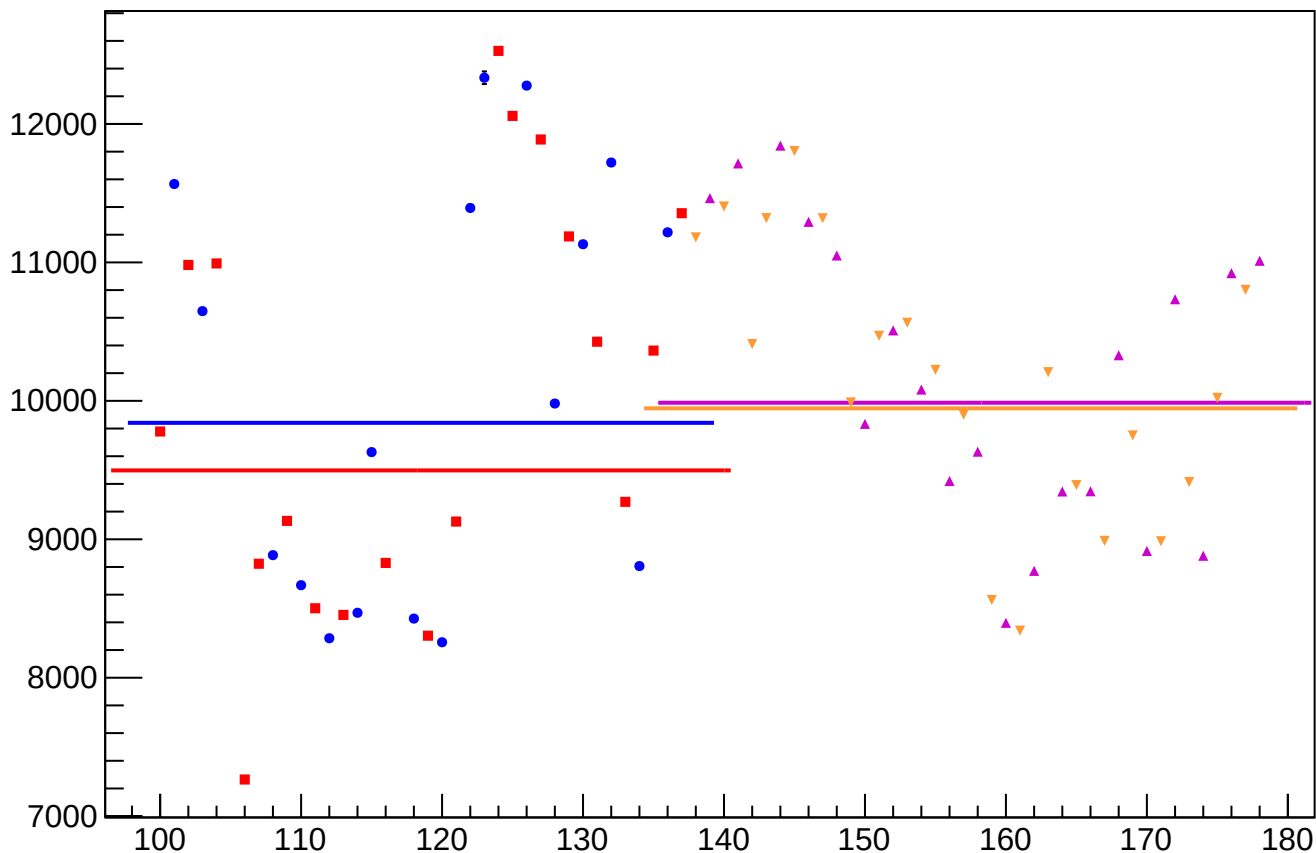
Left In: 13.472 ± 2.570 $\chi^2/\text{NDF}: 20.9/19$

+ sign 2.179 ± 2.111 $\chi^2/\text{NDF}: 121.9/37$

All: 3.763 ± 1.485 $\chi^2/\text{NDF}: 201.4/76$

- sign 5.317 ± 2.091 $\chi^2/\text{NDF}: 78.4/38$

diff_bpm0l07X_rms vs Slug



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

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

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

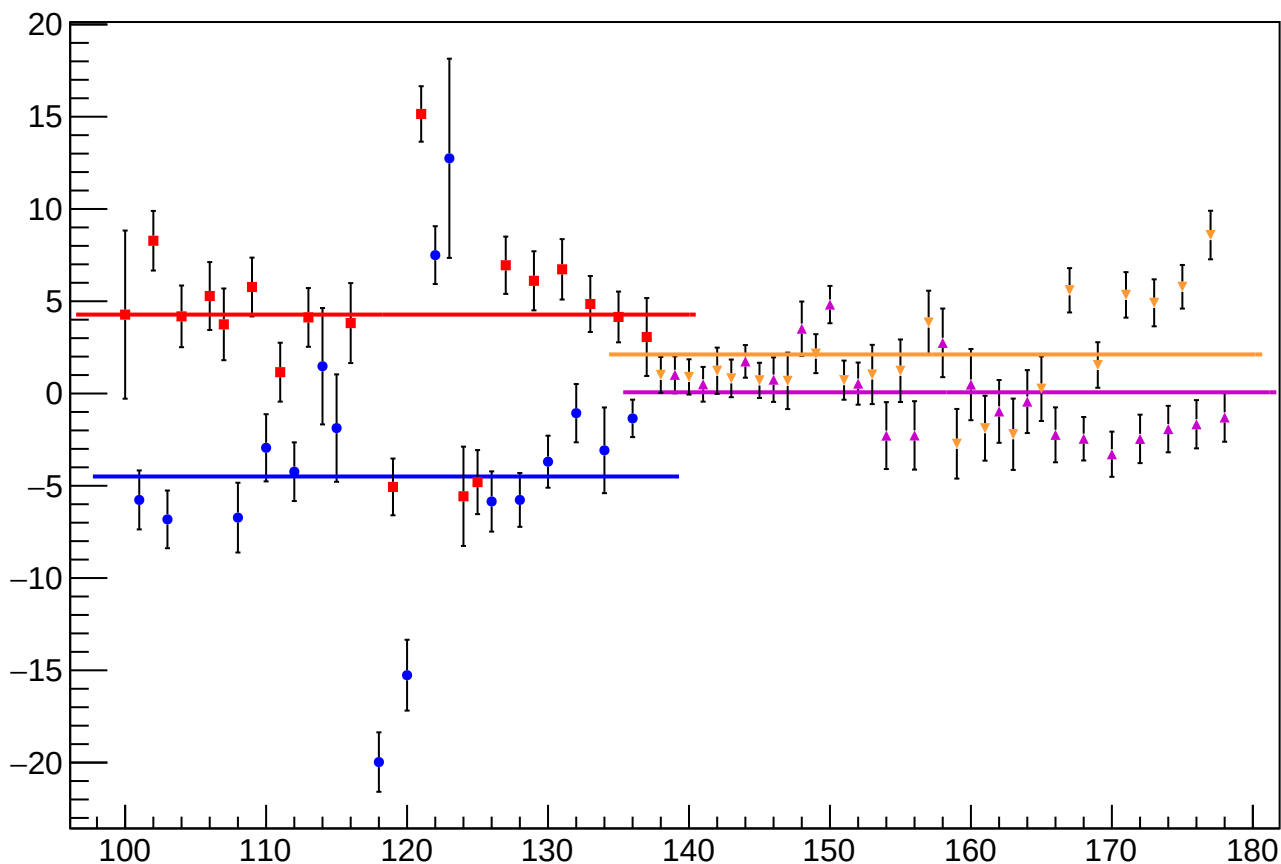
Left In: 9986.326+/-1.817 χ^2/NDF : 323274.8/19

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

All: 9867.083+/-1.050 χ^2/NDF : 1179575.2/70

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

diff_bpm0l07Y_mean vs Slug



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

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

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

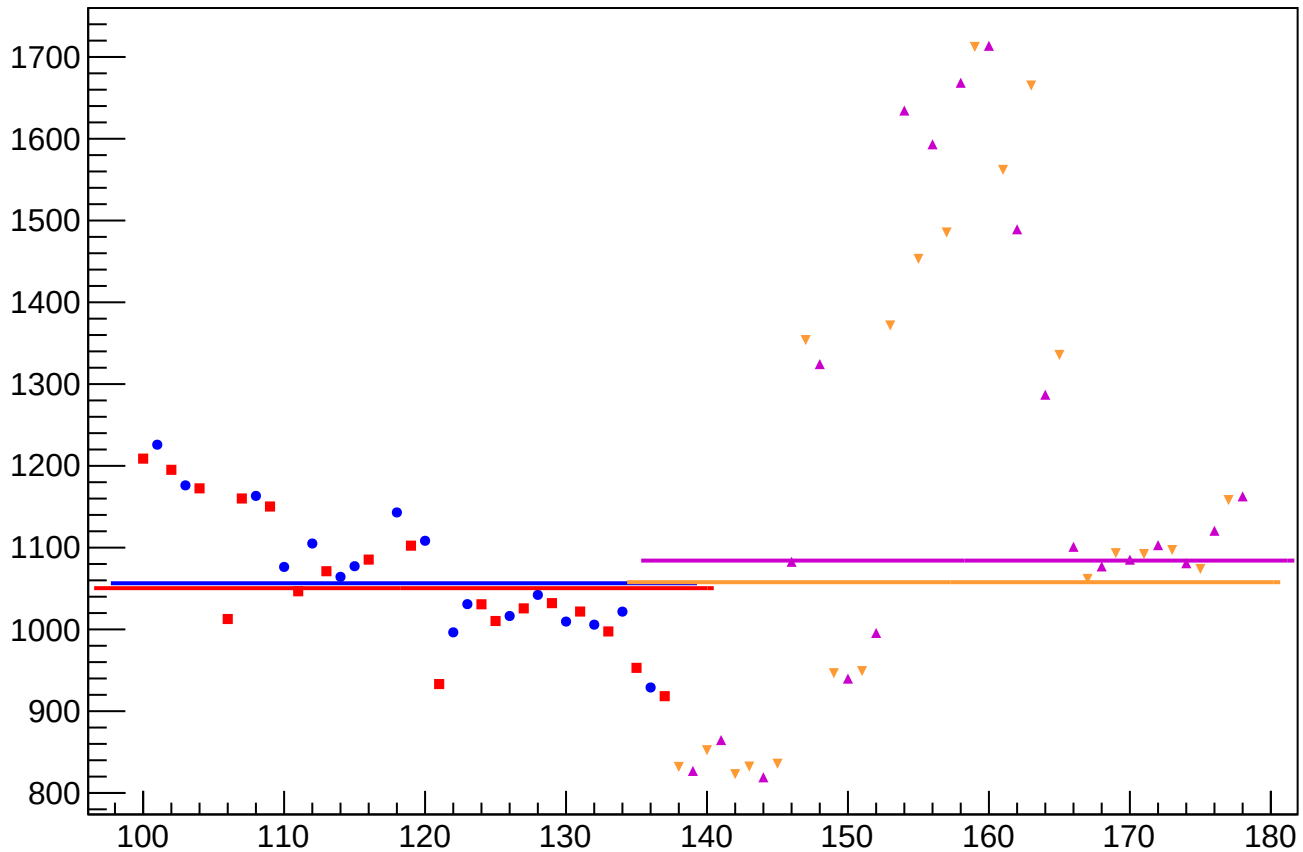
Left In: 0.066 ± 0.285 χ^2/NDF : 62.1/19

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

All: 0.774 ± 0.162 χ^2/NDF : 788.2/76

- sign 1.510 ± 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: 1057.729 $\pm$ 0.194 χ^2 /NDF: 1573400.2/20

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

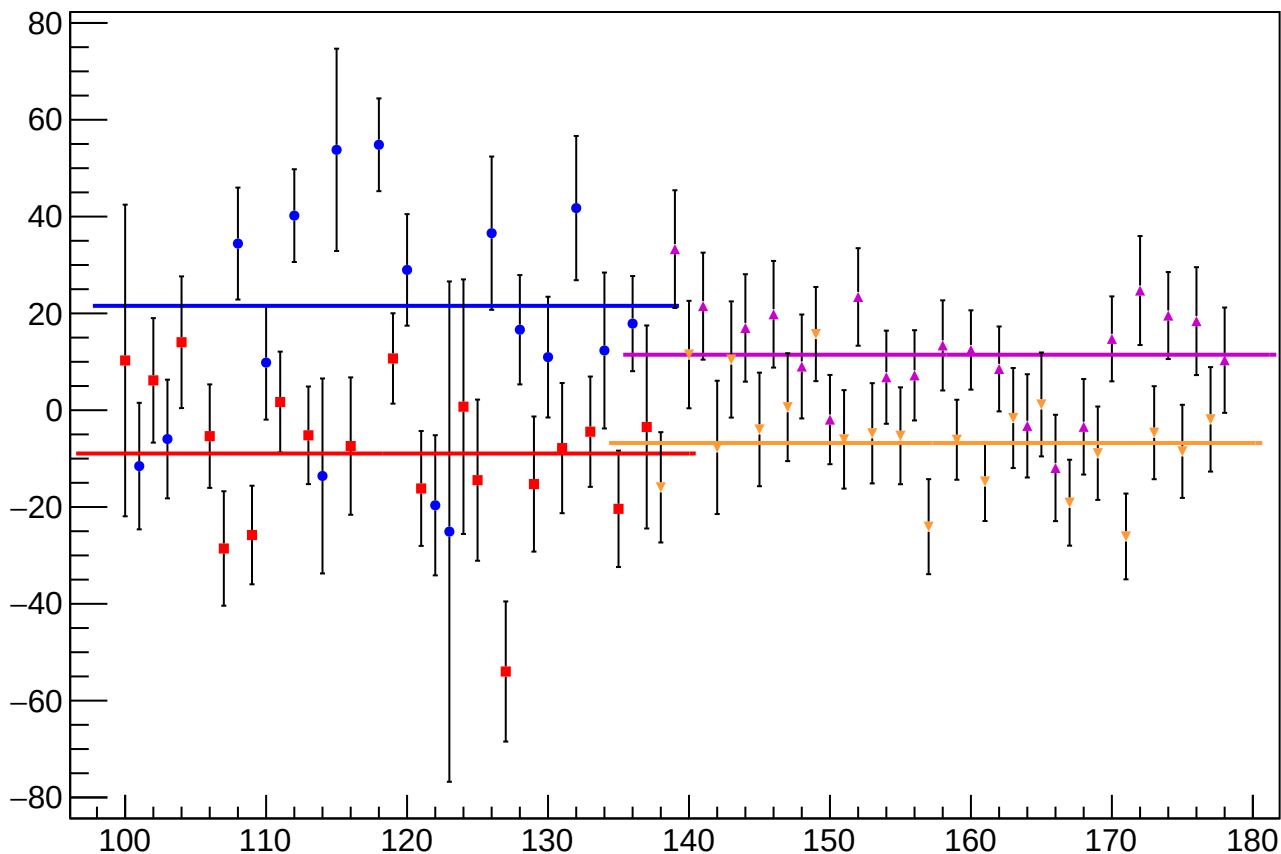
Left In: 1084.158 $\pm$ 0.201 χ^2 /NDF: 1422600.7/19

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

All: 1064.869 $\pm$ 0.115 χ^2 /NDF: 3183249.3/76

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

diff_bpm0l08X_mean vs Slug



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

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

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

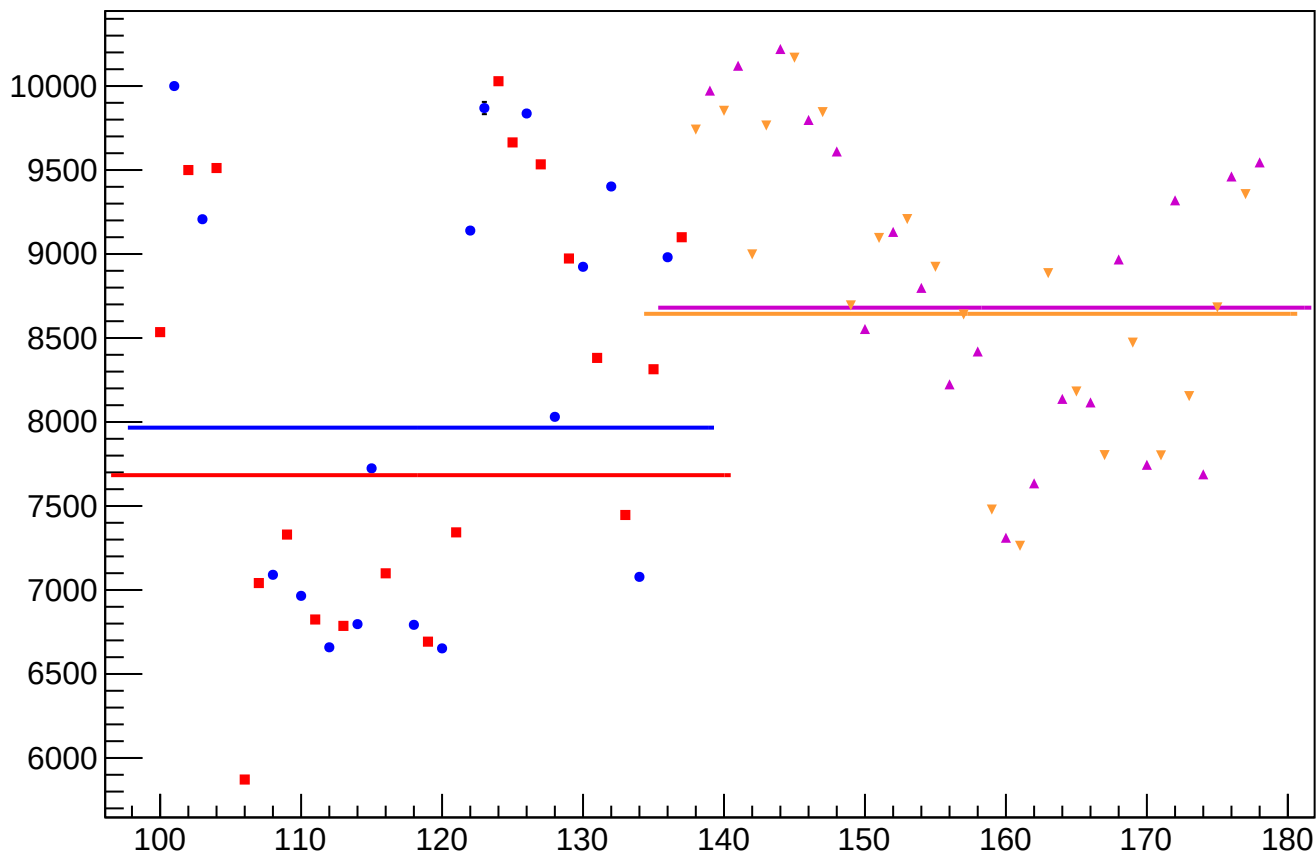
Left In: 11.463 ± 2.234 $\chi^2/\text{NDF}: 20.5/19$

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

All: 3.287 ± 1.261 $\chi^2/\text{NDF}: 206.1/76$

- sign 3.904 ± 1.772 $\chi^2/\text{NDF}: 78.9/38$

diff_bpm0l08X_rms vs Slug



Right In: 7966.405+/-2.199 χ^2/NDF : 296611.1/16

Left Out: 8643.996+/-1.553 χ^2/NDF : 281840.5/20

Right Out: 7683.479+/-2.059 χ^2/NDF : 315033.7/18

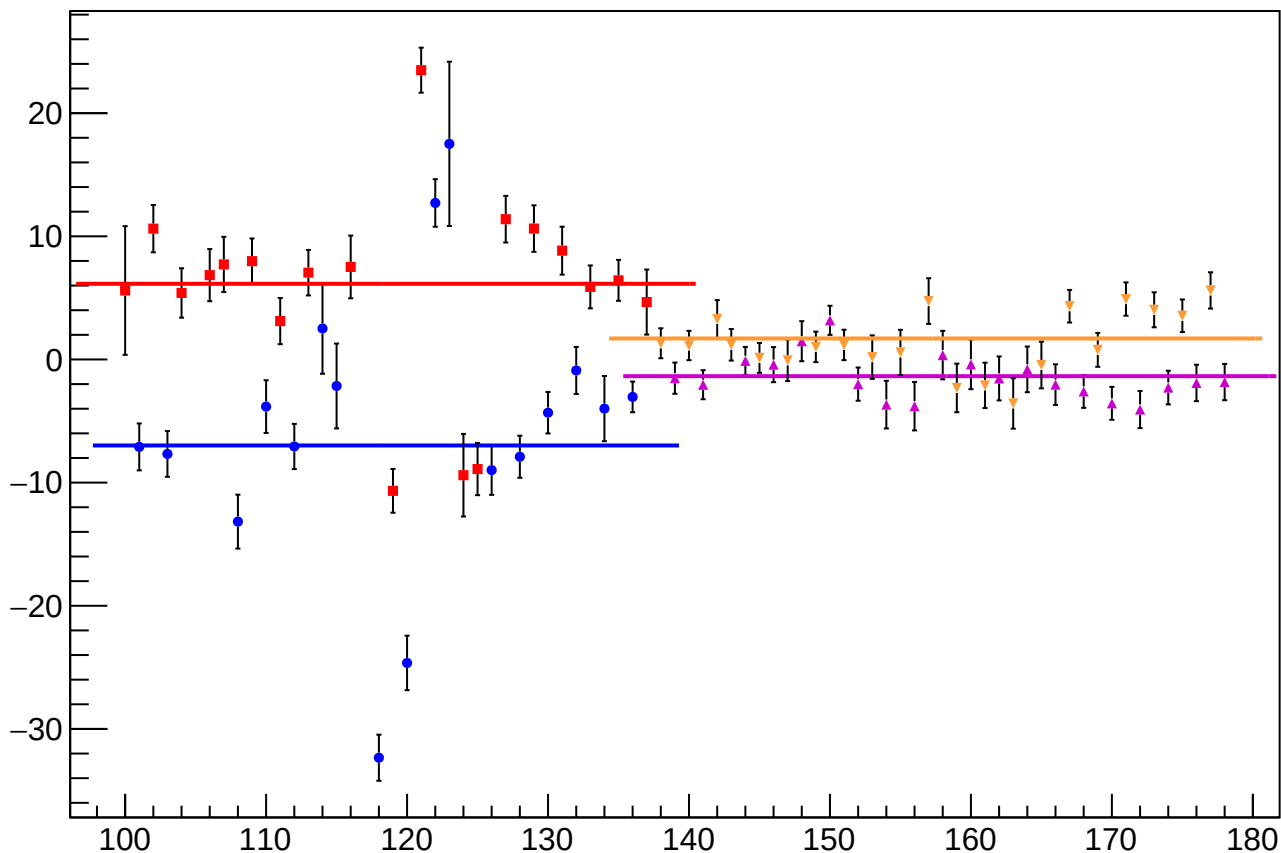
Left In: 8680.523+/-1.579 χ^2/NDF : 314139.5/19

+ sign 8418.576+/-1.269 χ^2/NDF : 641792.0/37

All: 8364.228+/-0.892 χ^2/NDF : 1422217.1/76

- sign 8311.189+/-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: 1.706 ± 0.318 χ^2/NDF : 46.6/20

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

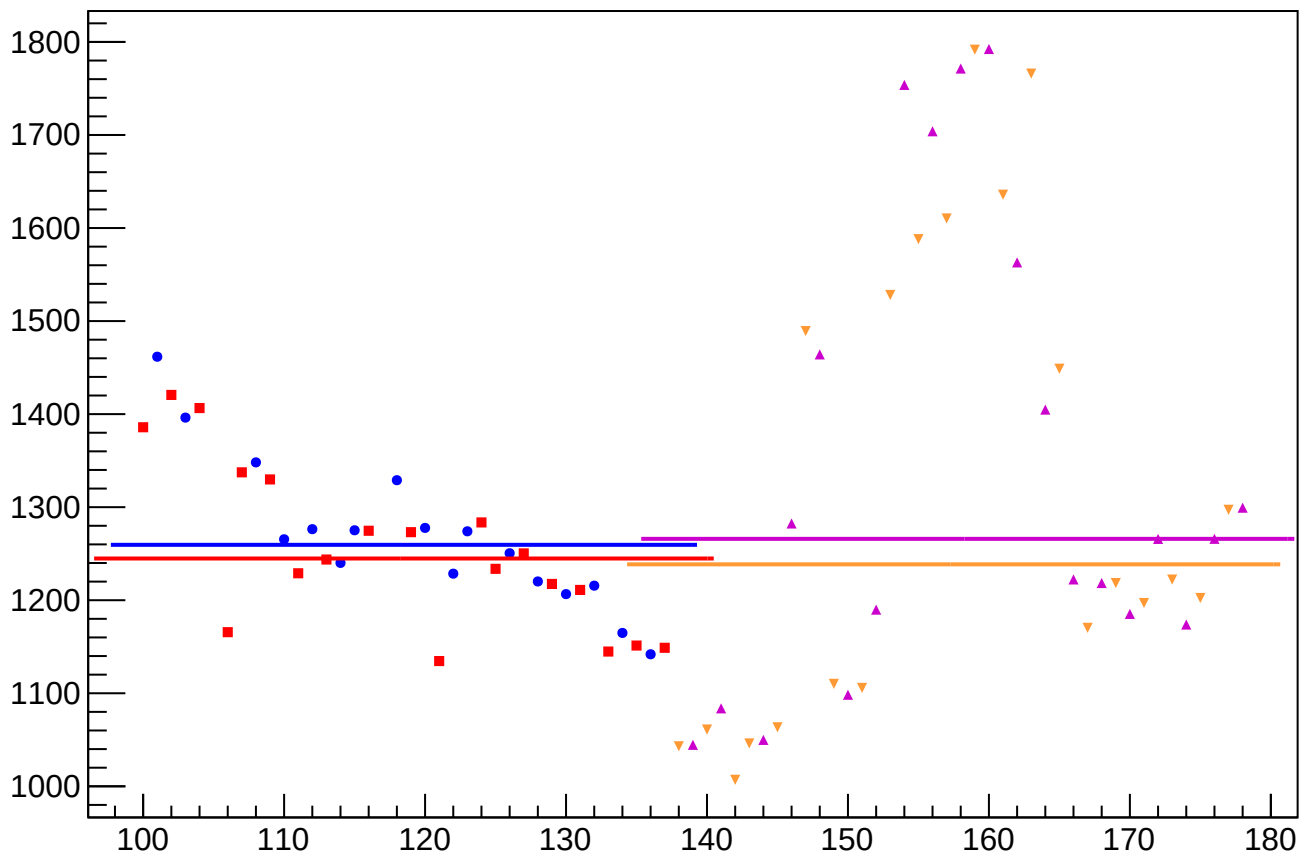
Left In: -1.357 ± 0.328 χ^2/NDF : 31.7/19

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

All: 0.106 ± 0.189 χ^2/NDF : 1189.6/76

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

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

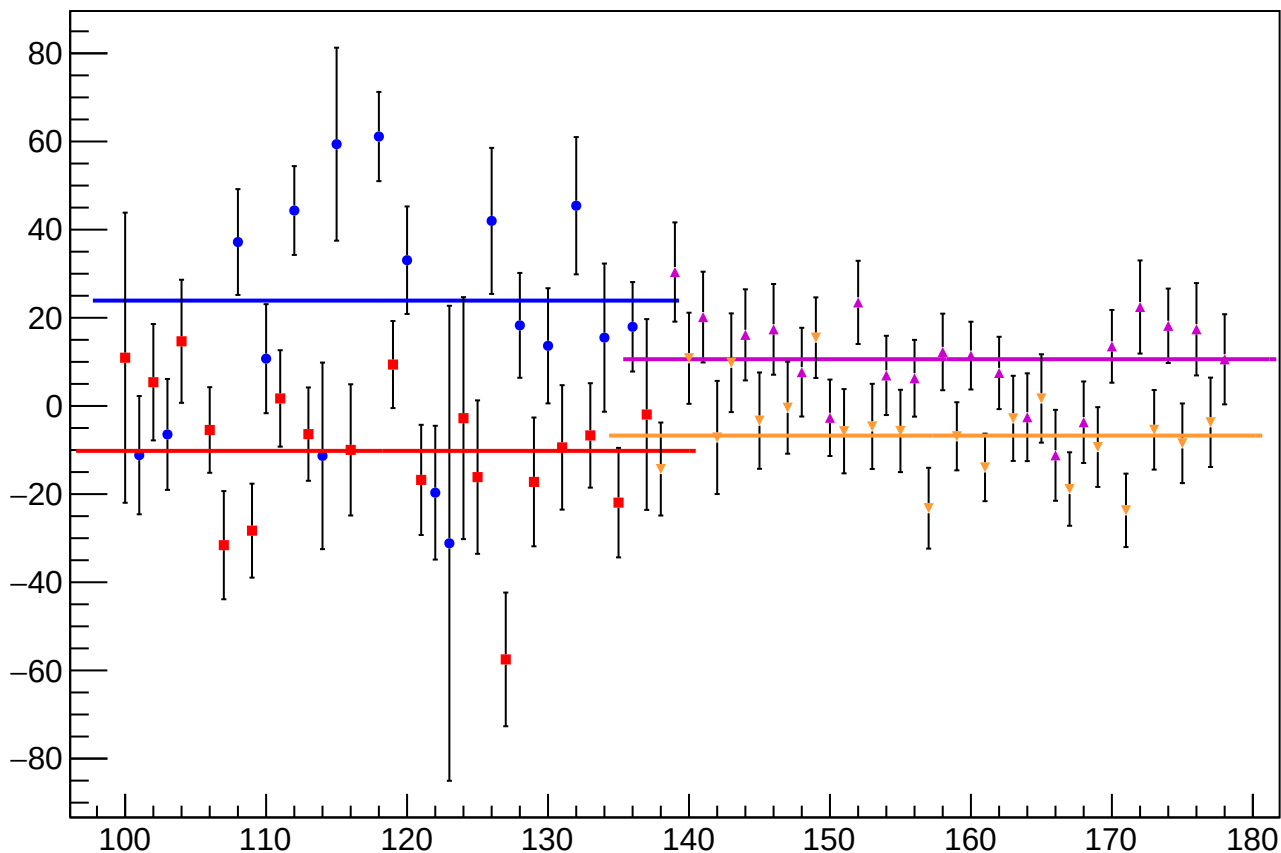
Left In: 1265.957 $\pm$ 0.232 χ^2 /NDF:840532.0/19

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

All: 1251.832 $\pm$ 0.134 χ^2 /NDF: 1924310.5/70

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

diff_bpm0l09X_mean vs Slug



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

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

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

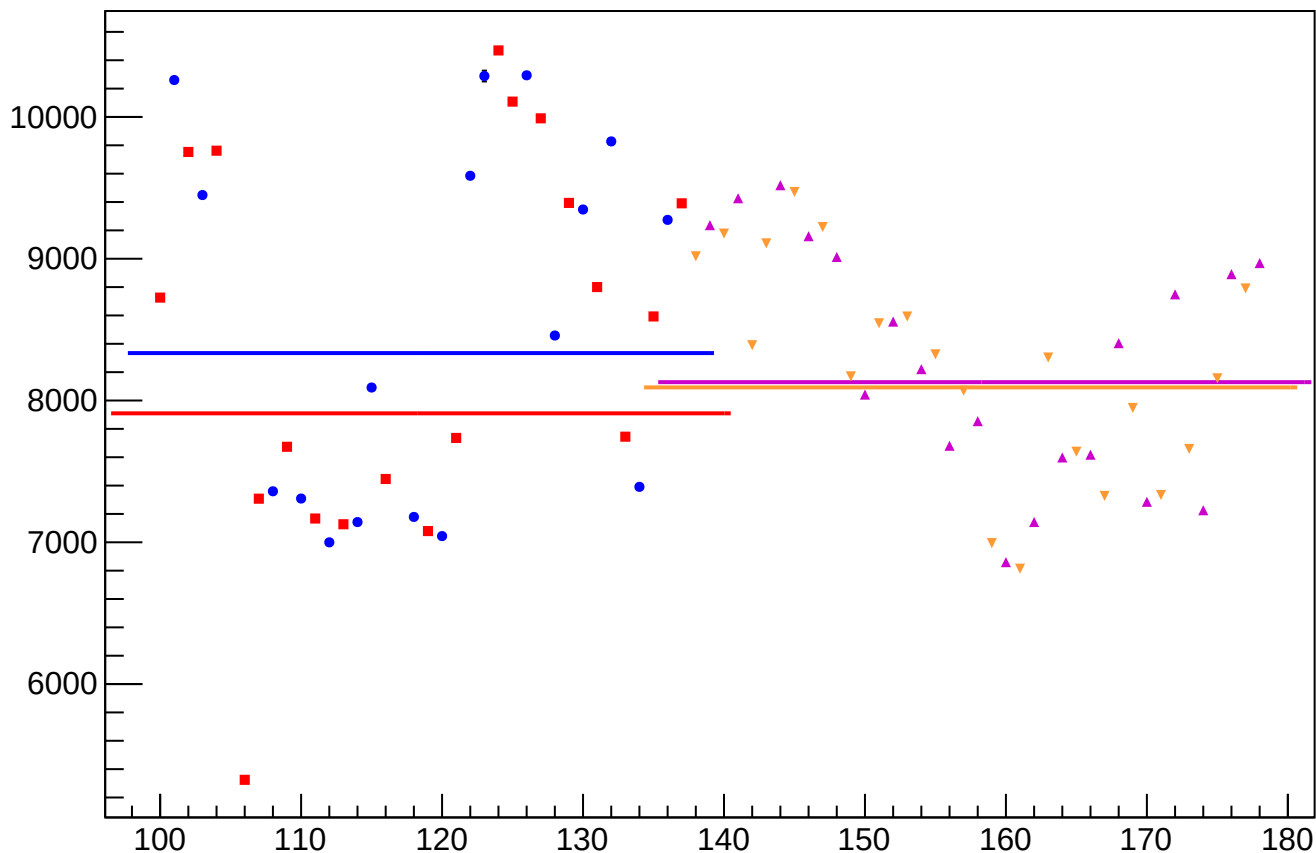
Left In: 10.605 ± 2.091 $\chi^2/\text{NDF}: 20.8/19$

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

All: 2.934 ± 1.221 $\chi^2/\text{NDF}: 220.9/76$

- sign 3.821 ± 1.717 $\chi^2/\text{NDF}: 81.0/38$

diff_bpm0l09X_rms vs Slug



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

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

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

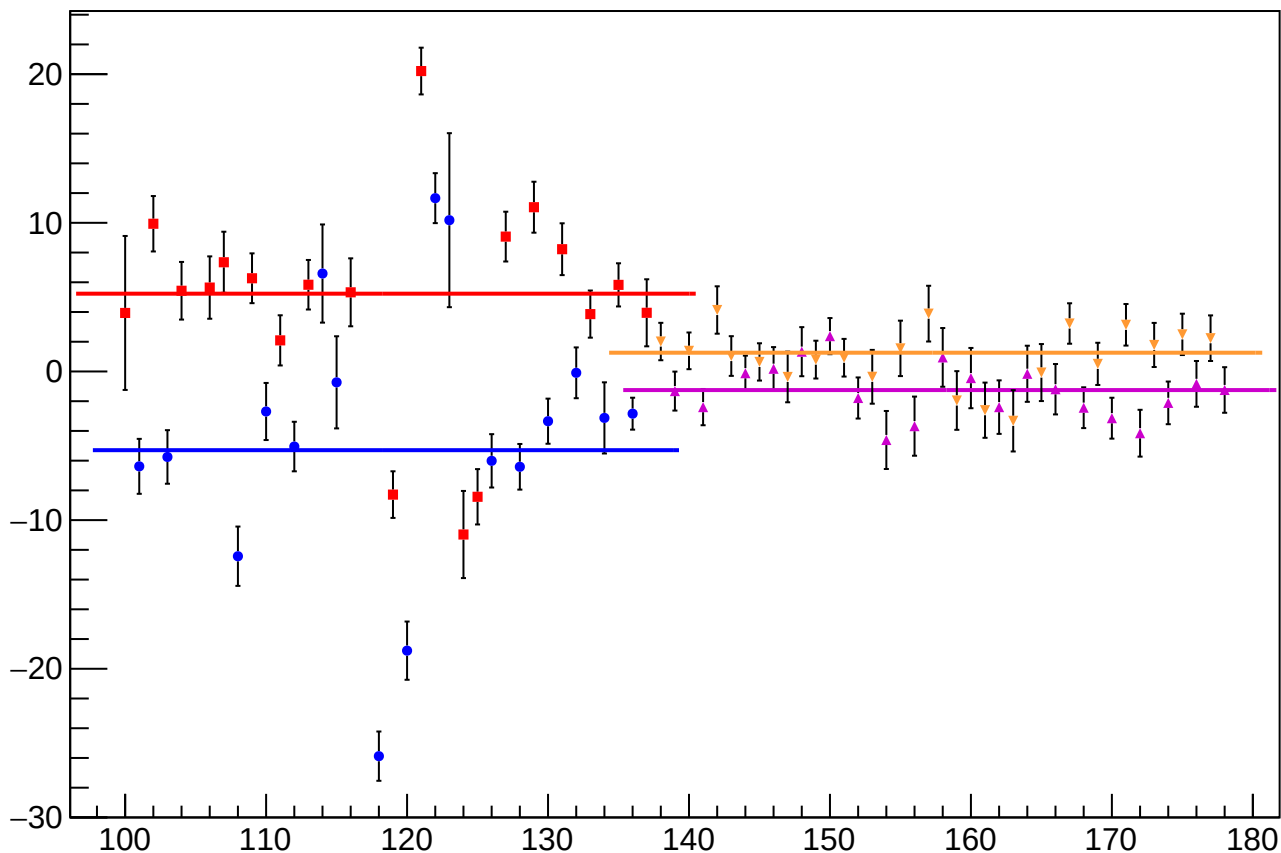
Left In: 8129.531 $\pm$ 1.479 χ^2 /NDF: 305051.8/19

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

All: 8109.124 $\pm$ 0.863 χ^2 /NDF: 1257739.2/70

- sign 8057.793 $\pm$ 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: 1.262 ± 0.327 χ^2/NDF : 25.7/20

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

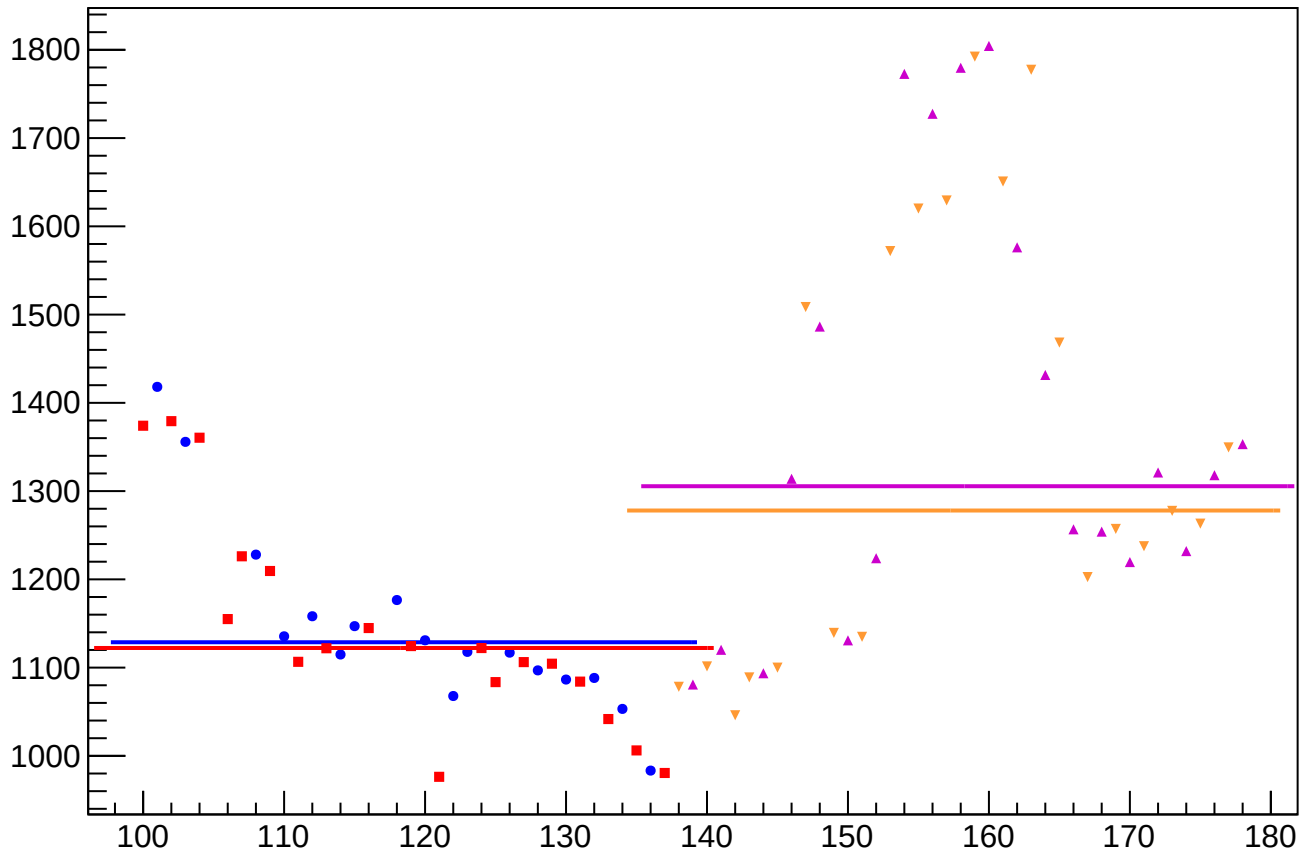
Left In: -1.252 ± 0.338 χ^2/NDF : 27.3/19

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

All: 0.087 ± 0.186 χ^2/NDF : 1022.4/76

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

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

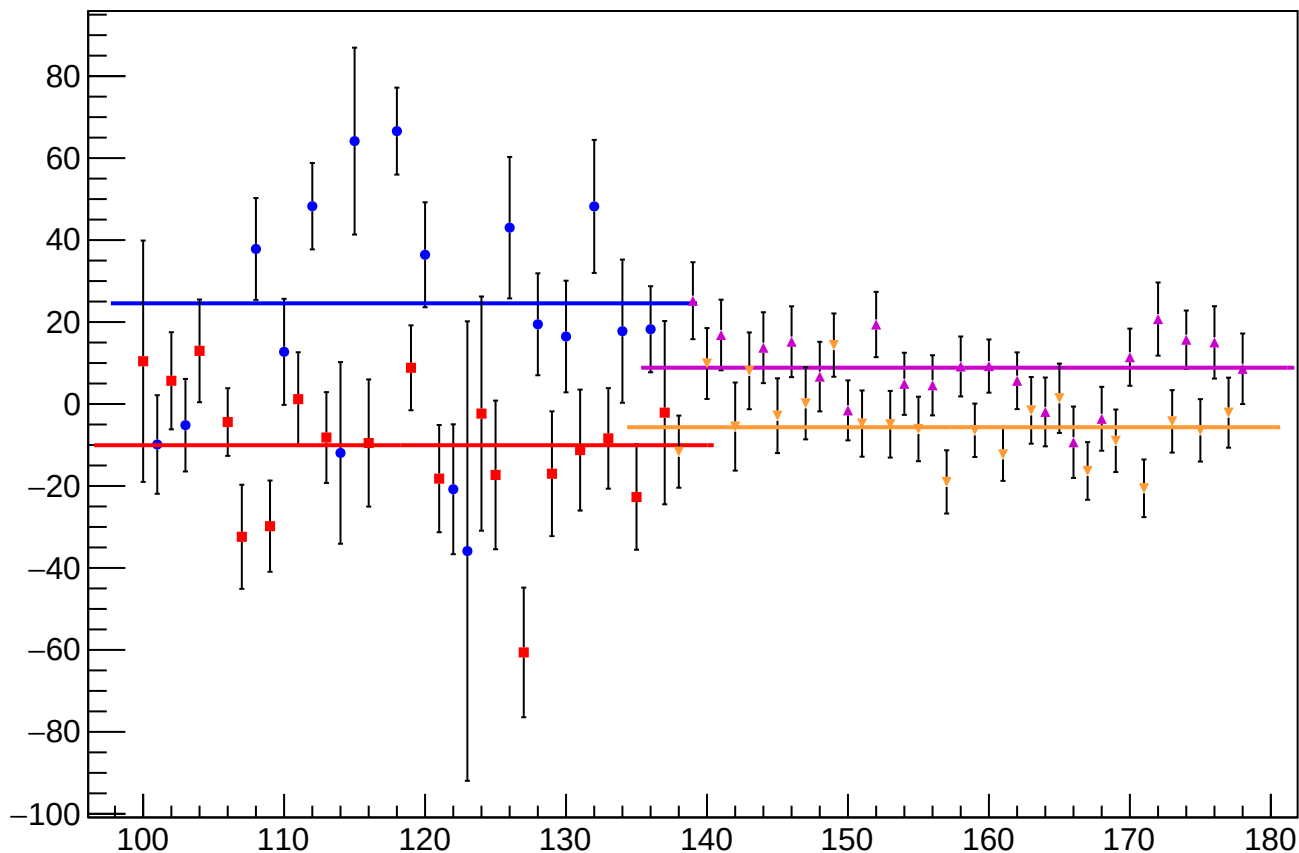
Left In: 1305.529 $\pm$ 0.239 χ^2 /NDF: 756487.2/19

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

All: 1229.063 $\pm$ 0.131 χ^2 /NDF: 2256759.1/76

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

diff_bpm0l10X_mean vs Slug



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

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

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

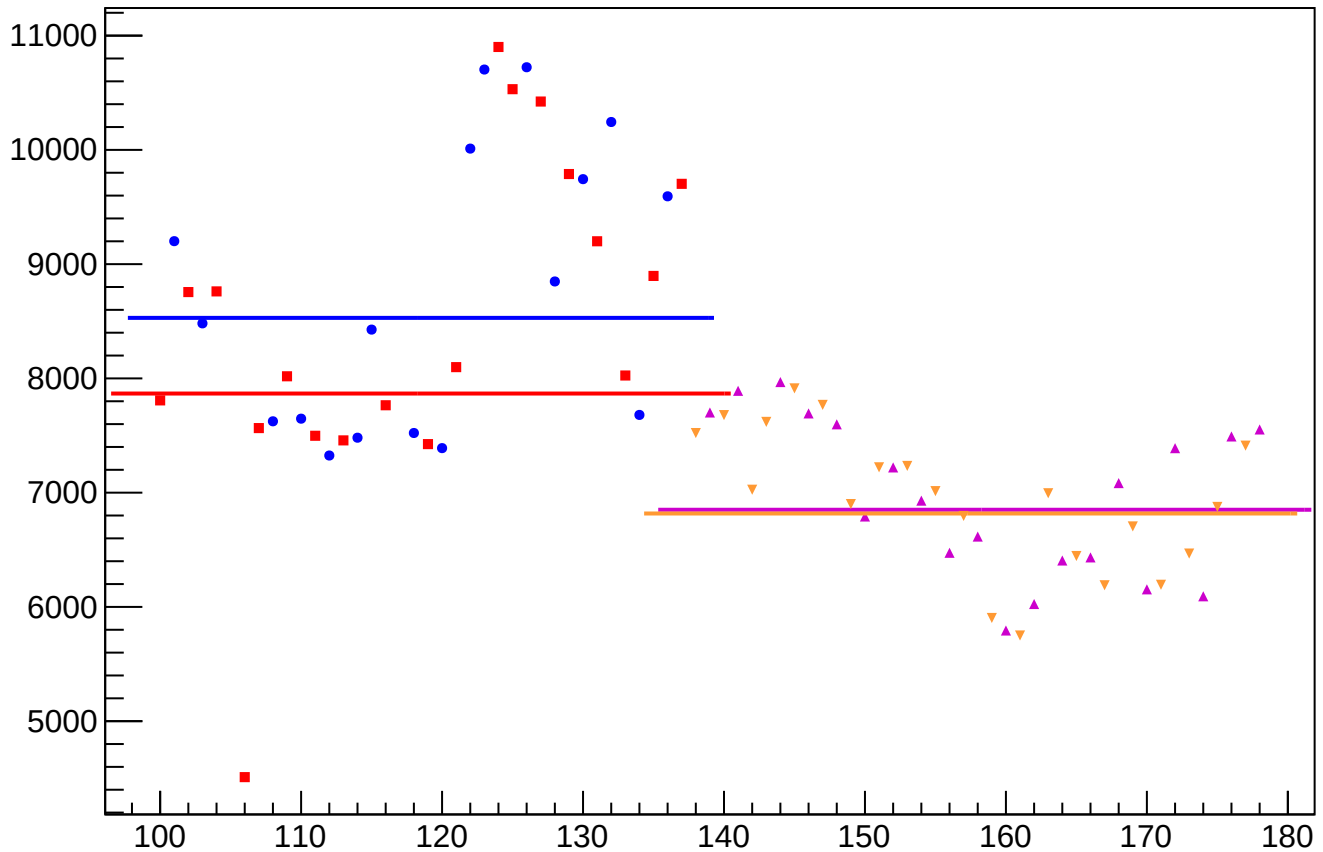
Left In: 8.858 ± 1.762 $\chi^2/\text{NDF}: 21.3/19$

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

All: 2.431 ± 1.080 $\chi^2/\text{NDF}: 230.5/76$

- sign 4.026 ± 1.520 $\chi^2/\text{NDF}: 79.6/38$

diff_bpm0l10X_rms vs Slug



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

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

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

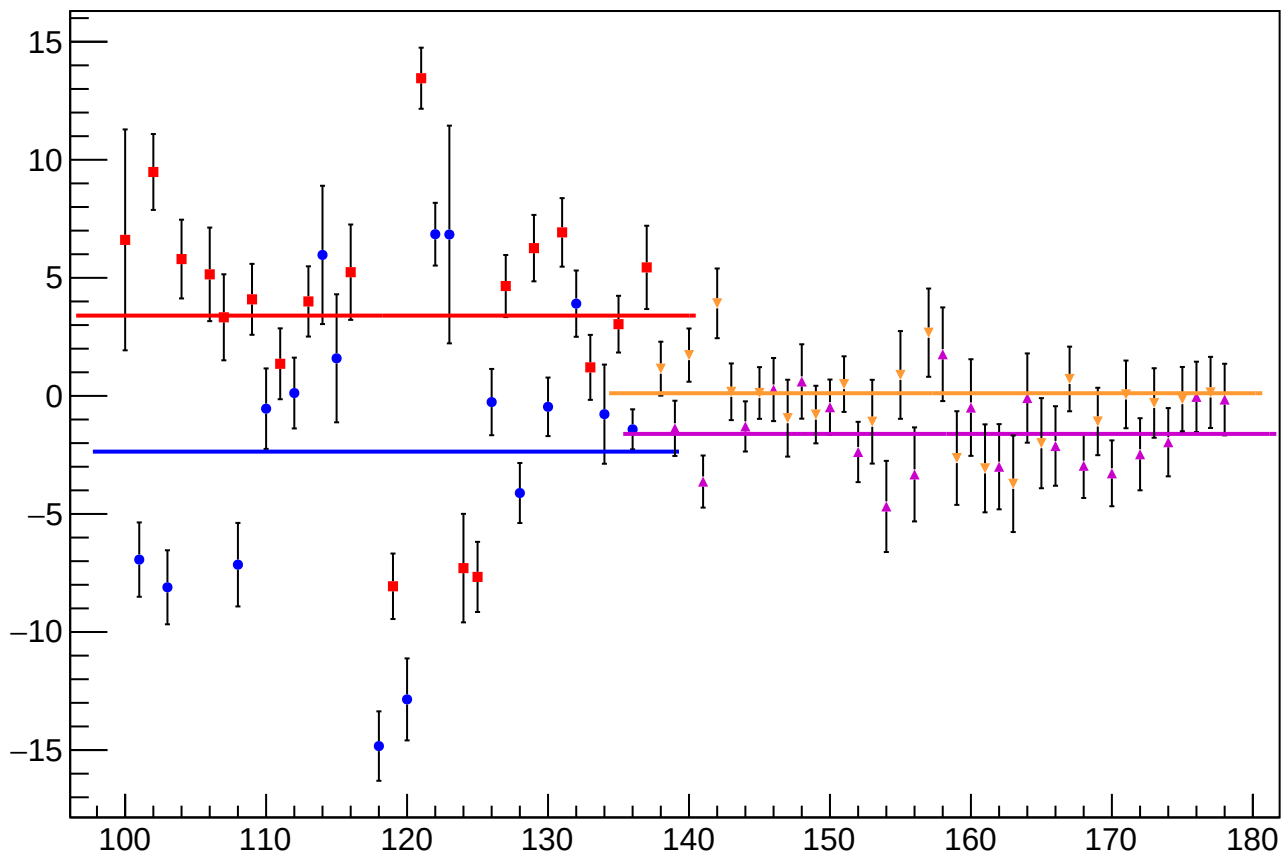
Left In: 6850.397+/-1.246 χ^2/NDF : 292804.0/19

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

All: 7146.722+/-0.764 χ^2/NDF : 1904882.9/70

- 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: 0.113 ± 0.313 χ^2/NDF : 23.7/20

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

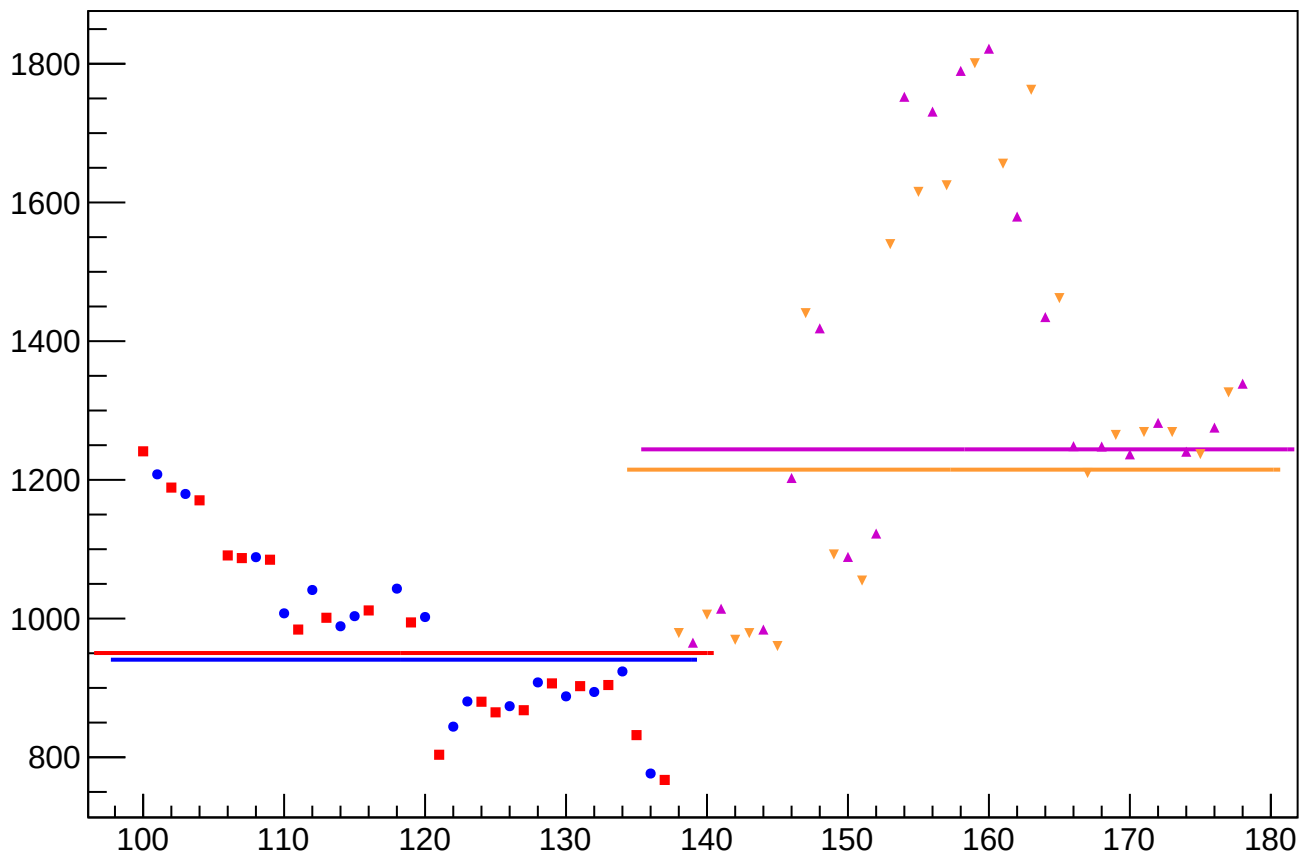
Left In: -1.609 ± 0.324 χ^2/NDF : 21.3/19

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

All: -0.153 ± 0.169 χ^2/NDF : 674.3/76

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

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1214.740+/-0.221 χ^2/NDF :1229420.7/20

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

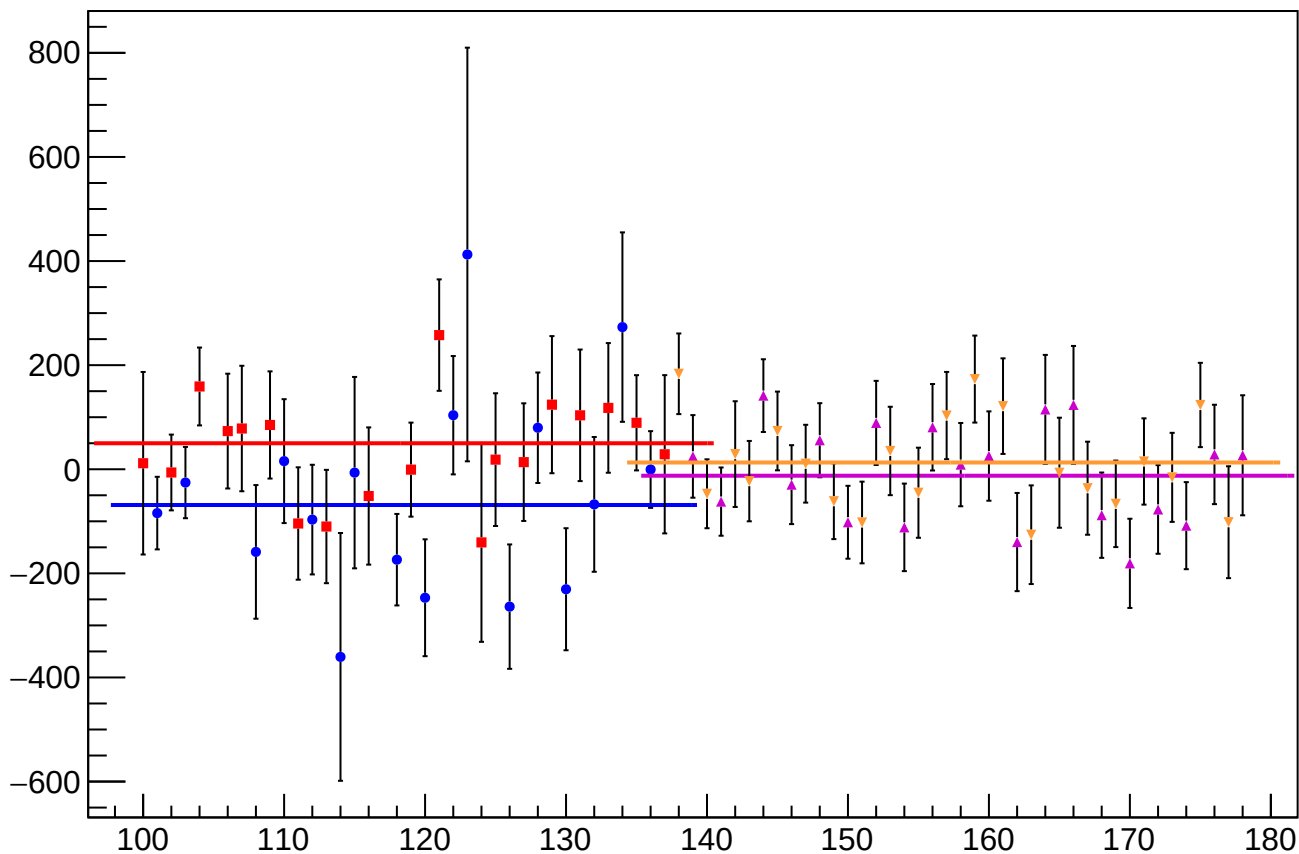
Left In: 1244.000+/-0.229 χ^2/NDF :1068192.7/19

+ sign 1098.852+/-0.168 χ^2/NDF : 2119975.7/37

All: 1105.326+/-0.119 χ^2/NDF : 4151734.6/70

- sign 1111.937+/-0.170 χ^2/NDF : 2028760.3/38

diff_bpm0r03X_mean vs Slug



Right In: -68.688 ± 25.946 $\chi^2/\text{NDF}: 21.8/16$

Left Out: 12.996 ± 18.159 $\chi^2/\text{NDF}: 23.0/20$

Right Out: 49.958 ± 25.020 $\chi^2/\text{NDF}: 14.0/18$

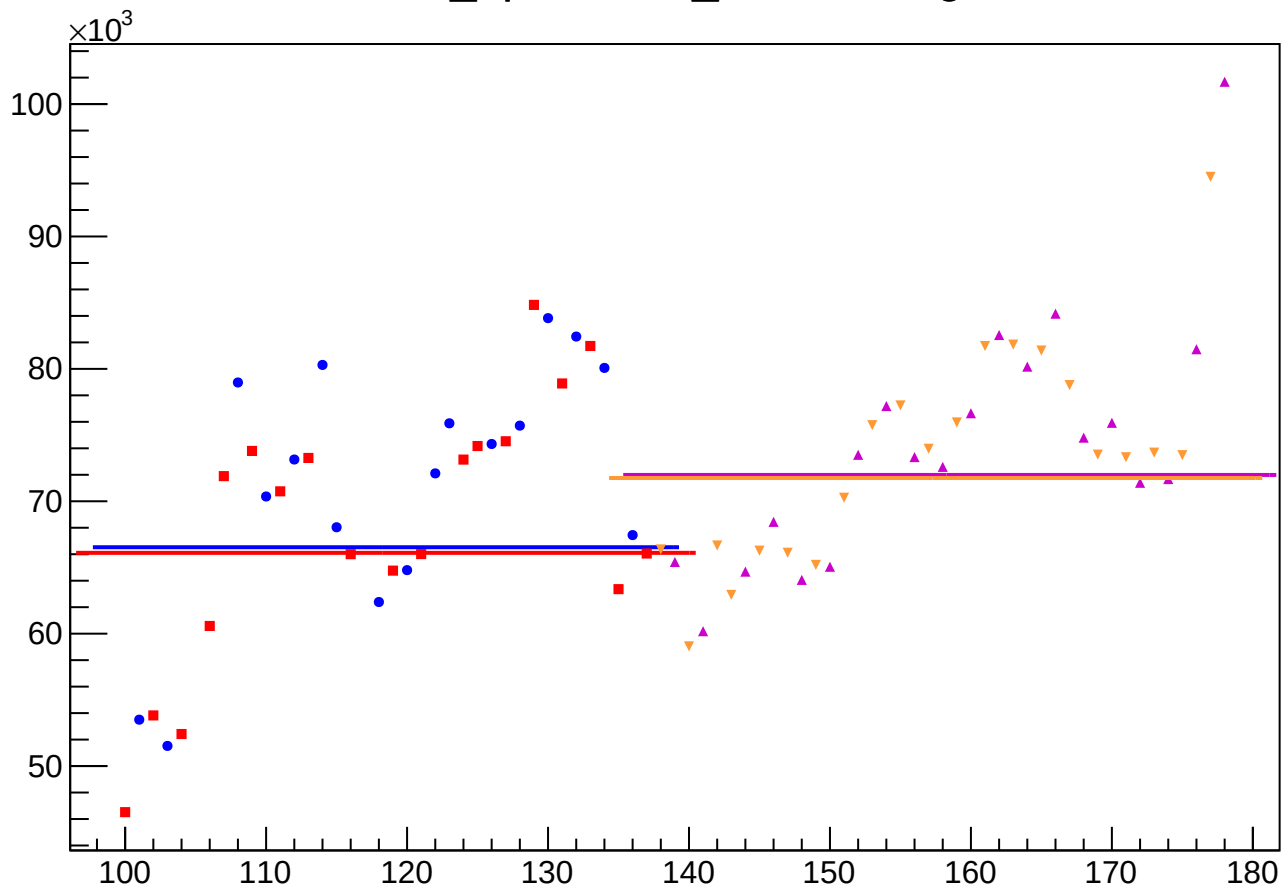
Left In: -12.412 ± 18.458 $\chi^2/\text{NDF}: 24.4/19$

+ sign -13.861 ± 14.877 $\chi^2/\text{NDF}: 51.4/37$

All: -2.127 ± 10.511 $\chi^2/\text{NDF}: 95.1/76$

- sign 9.569 ± 14.853 $\chi^2/\text{NDF}: 42.4/38$

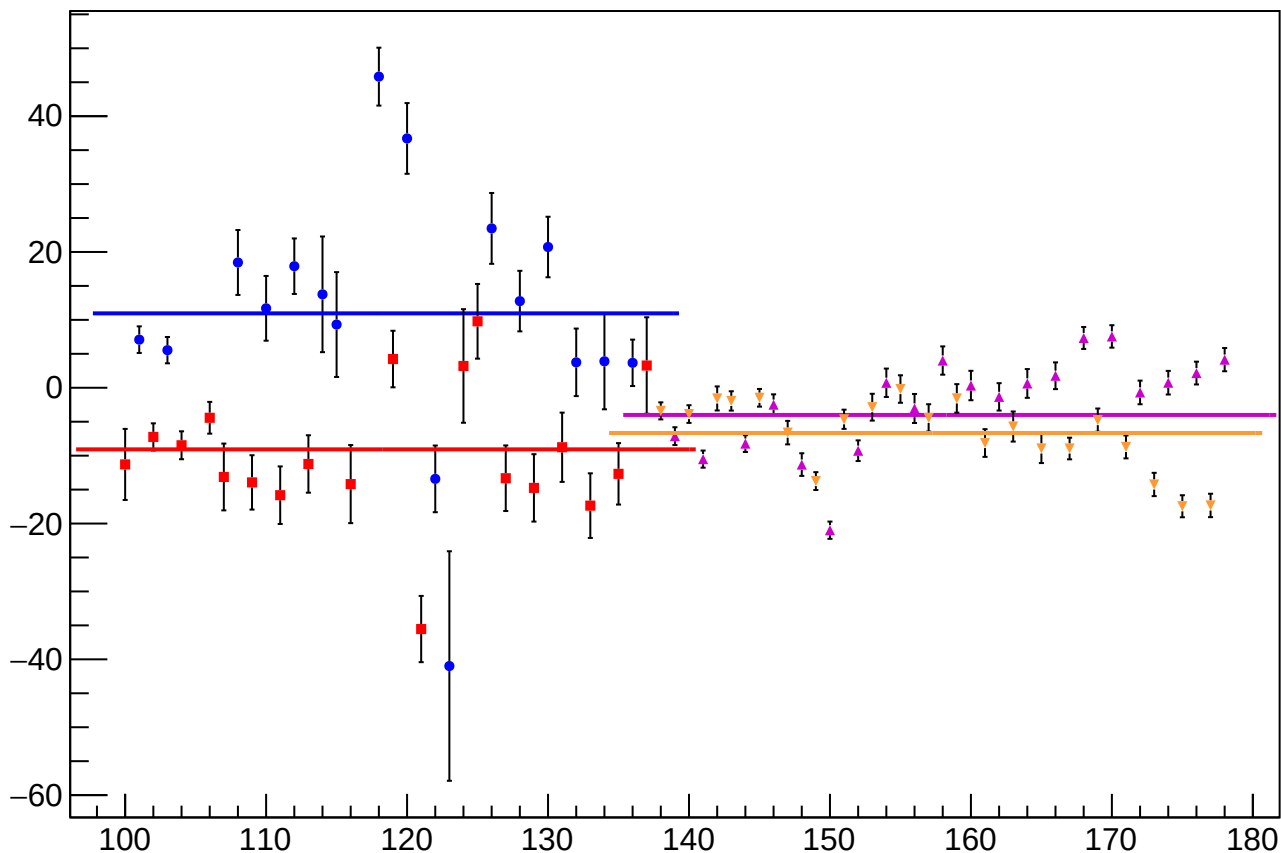
diff_bpm0r03X_rms vs Slug



Right In: 66527.251 ± 18.347 $\chi^2/\text{NDF}: 320887.2/16$
 Left Out: 71756.364 ± 12.841 $\chi^2/\text{NDF}: 340633.9/20$
 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 70037.081 ± 10.520 $\chi^2/\text{NDF}: 716047.4/37$
 All: 69976.005 ± 7.433 $\chi^2/\text{NDF}: 1469867.3/7$
 - 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: -6.661 ± 0.358 χ^2/NDF : 207.2/20

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

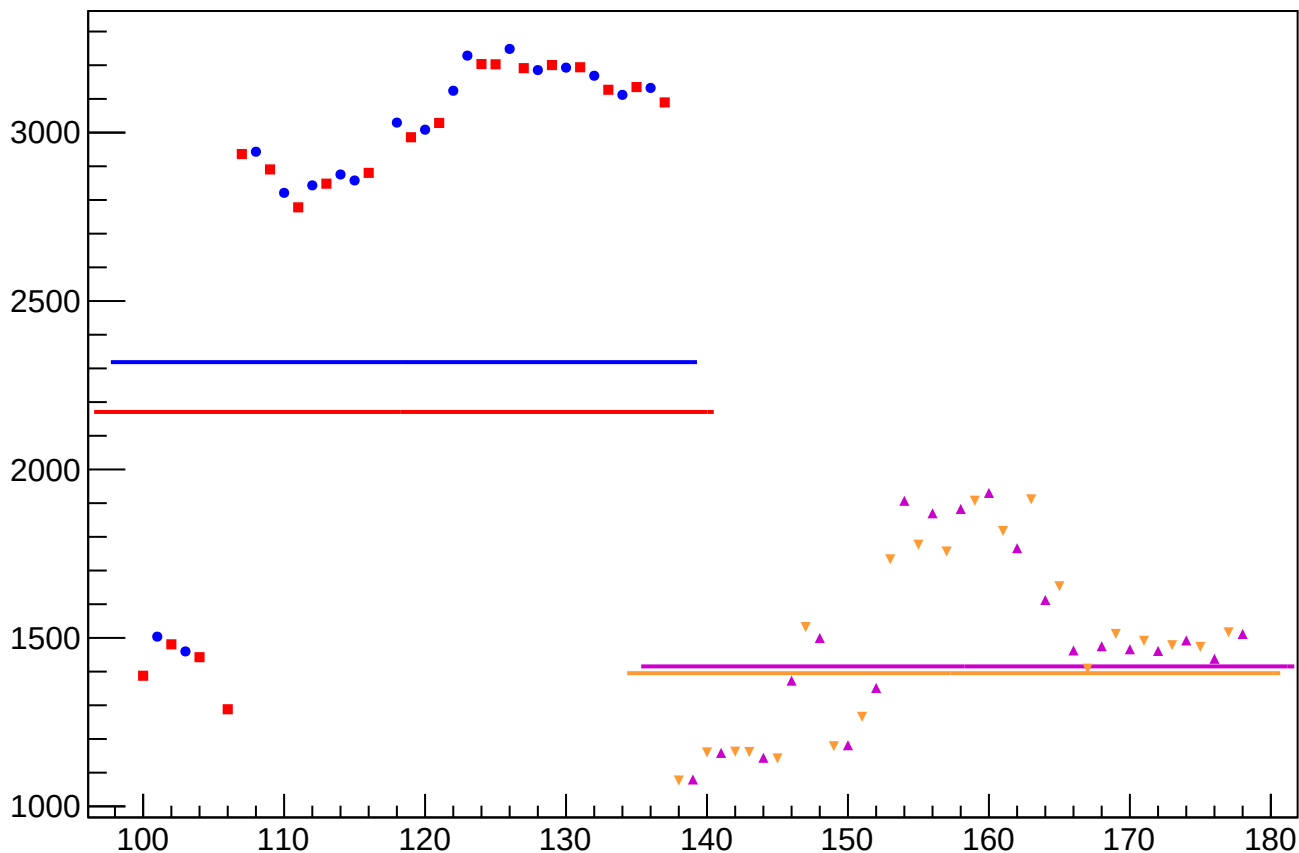
Left In: -4.004 ± 0.367 χ^2/NDF : 439.2/19

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

All: -4.608 ± 0.238 χ^2/NDF : 1215.0/76

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

diff_bpm0r03Y_rms vs Slug



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

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

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

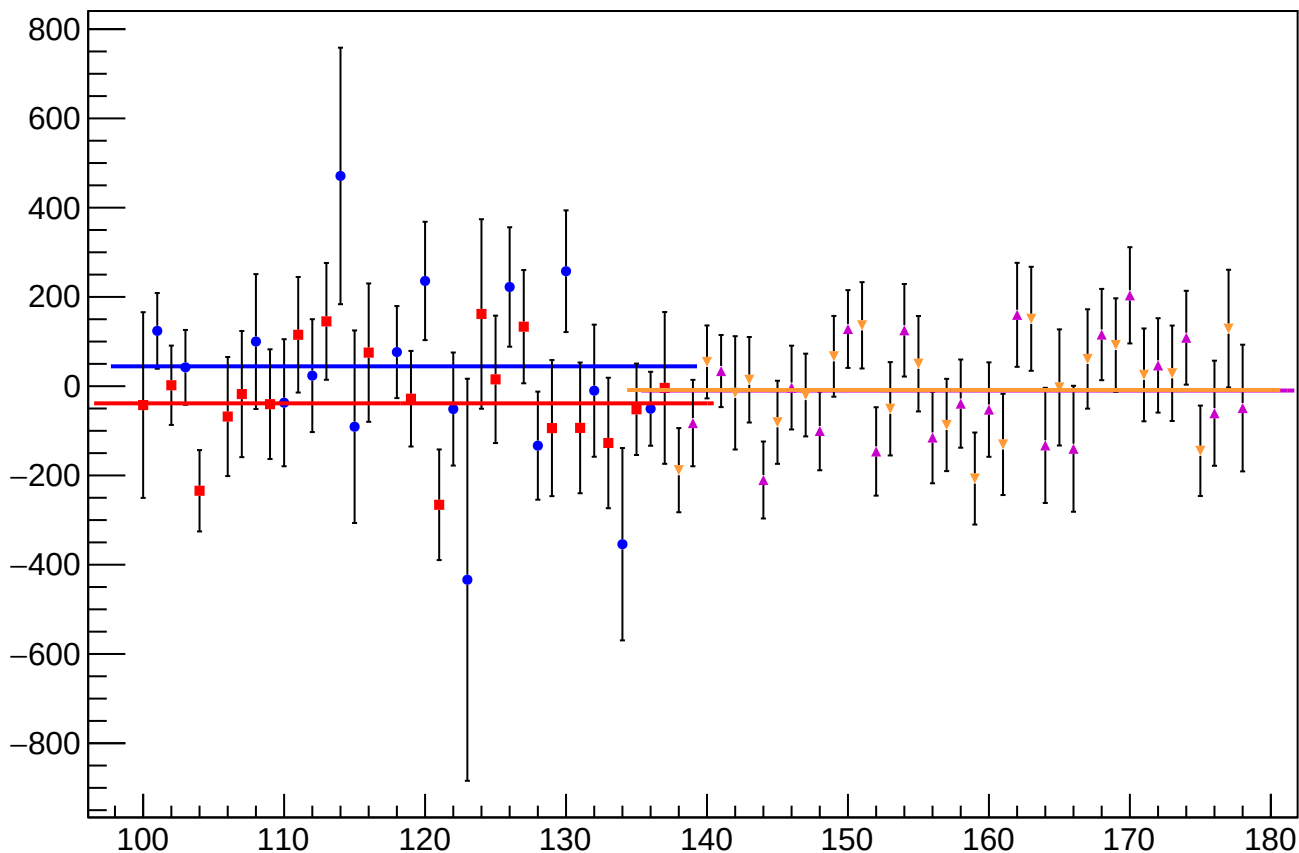
Left In: 1415.420 $\pm$ 0.259 χ^2 /NDF: 898907.6/19

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

All: 1520.753 $\pm$ 0.168 χ^2 /NDF: 8041080.0/70

- sign 1530.239 $\pm$ 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: -8.472+/-22.486 χ^2/NDF : 20.1/20

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

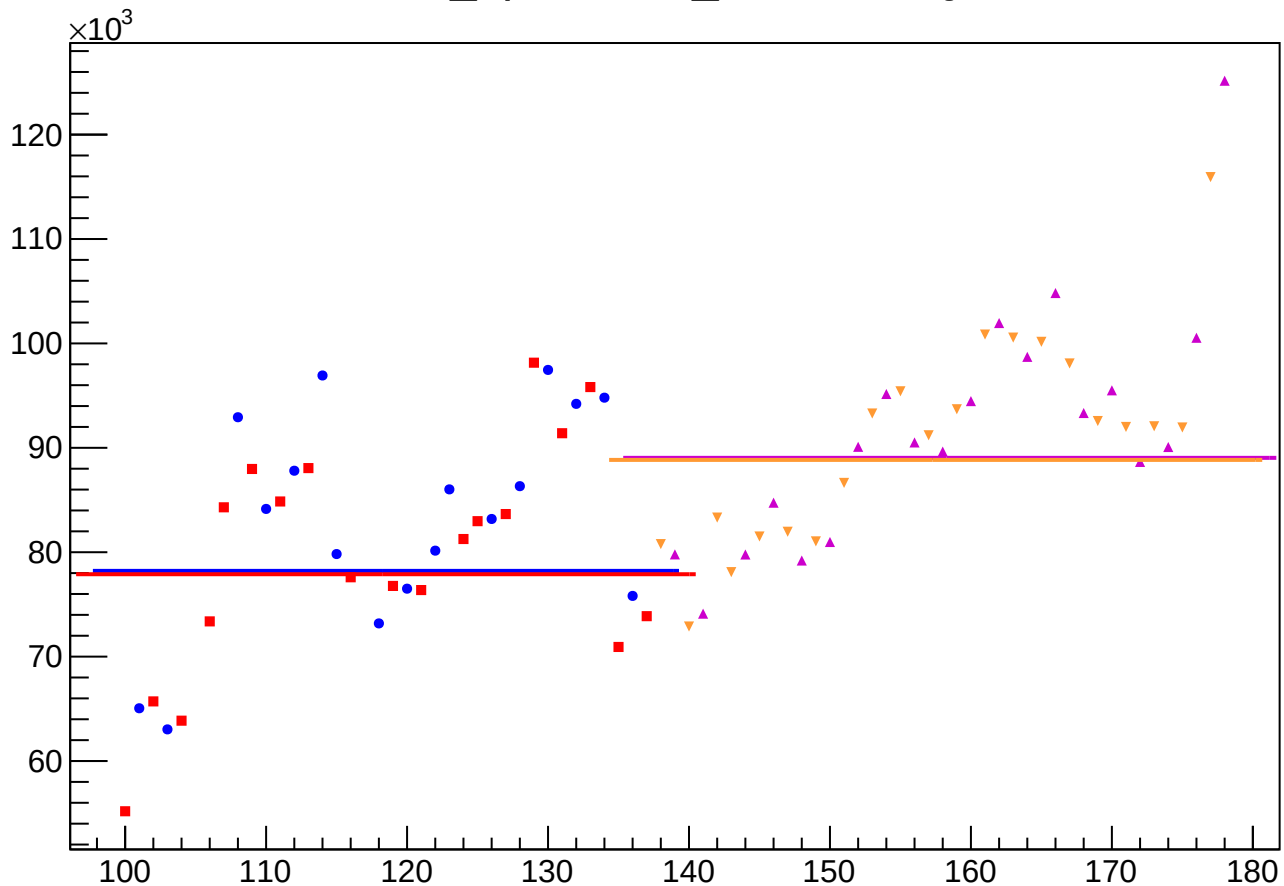
Left In: -9.751+/-22.834 χ^2/NDF : 25.8/19

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

All: -5.184+/-12.773 χ^2/NDF : 84.7/76

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

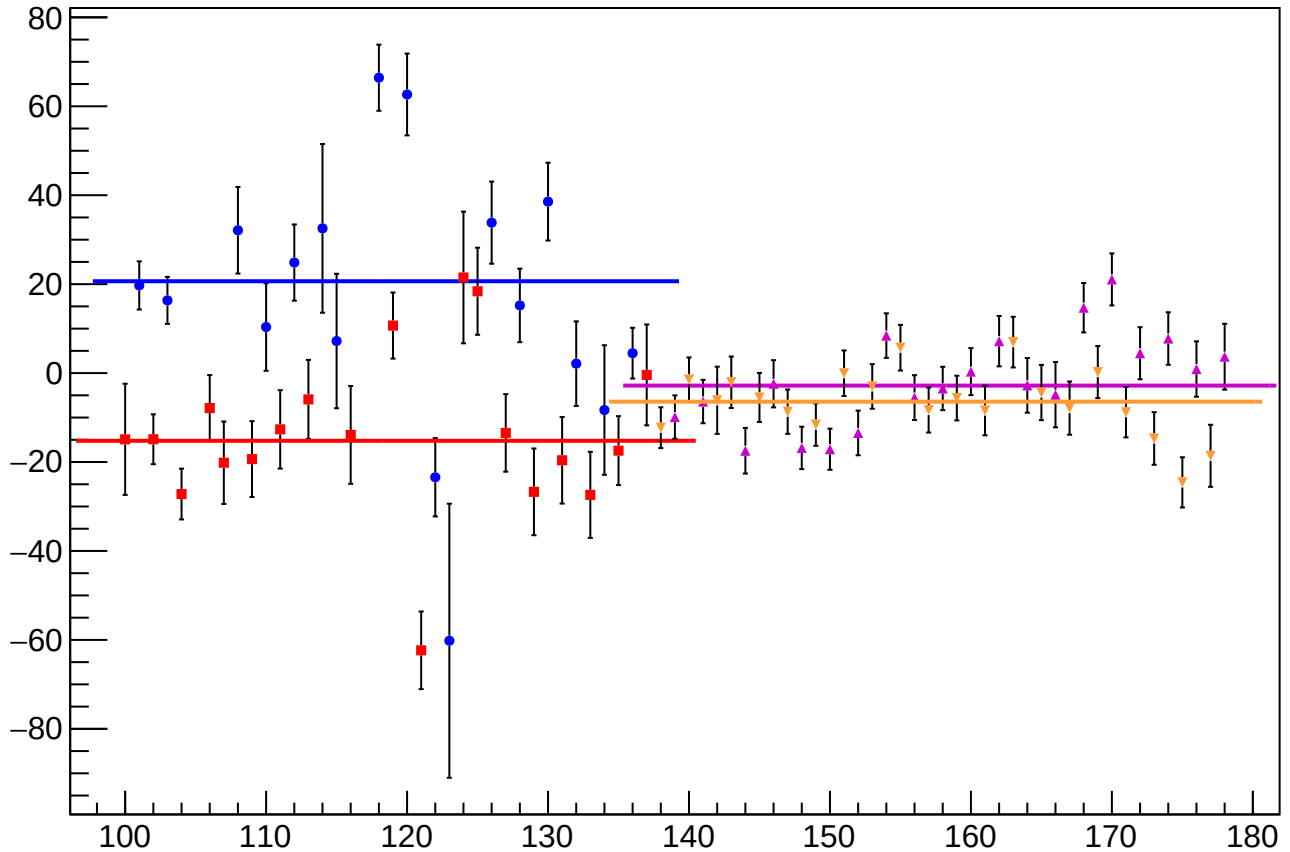
diff_bpm0r05X_rms vs Slug



Right In: 78213.025 $\pm$ 21.519 χ^2 /NDF: 251056.7/16
 Left Out: 88842.320 $\pm$ 15.900 χ^2 /NDF: 339838.9/20
 Right Out: 77891.938 $\pm$ 20.814 χ^2 /NDF: 246970.2/18
 Left In: 89039.894 $\pm$ 16.146 χ^2 /NDF: 389222.9/19

+ sign 85088.510 $\pm$ 12.788 χ^2 /NDF: 748723.3/37
 All: 84969.783 $\pm$ 9.032 χ^2 /NDF: 1564184.5/7
 - sign 84851.615 $\pm$ 12.758 χ^2 /NDF: 815289.2/38

diff_bpm0r05Y_mean vs Slug



Right In: 20.657 ± 2.036 $\chi^2/\text{NDF}: 117.7/16$

Left Out: -6.427 ± 1.191 $\chi^2/\text{NDF}: 35.0/20$

Right Out: -15.216 ± 1.955 $\chi^2/\text{NDF}: 71.3/18$

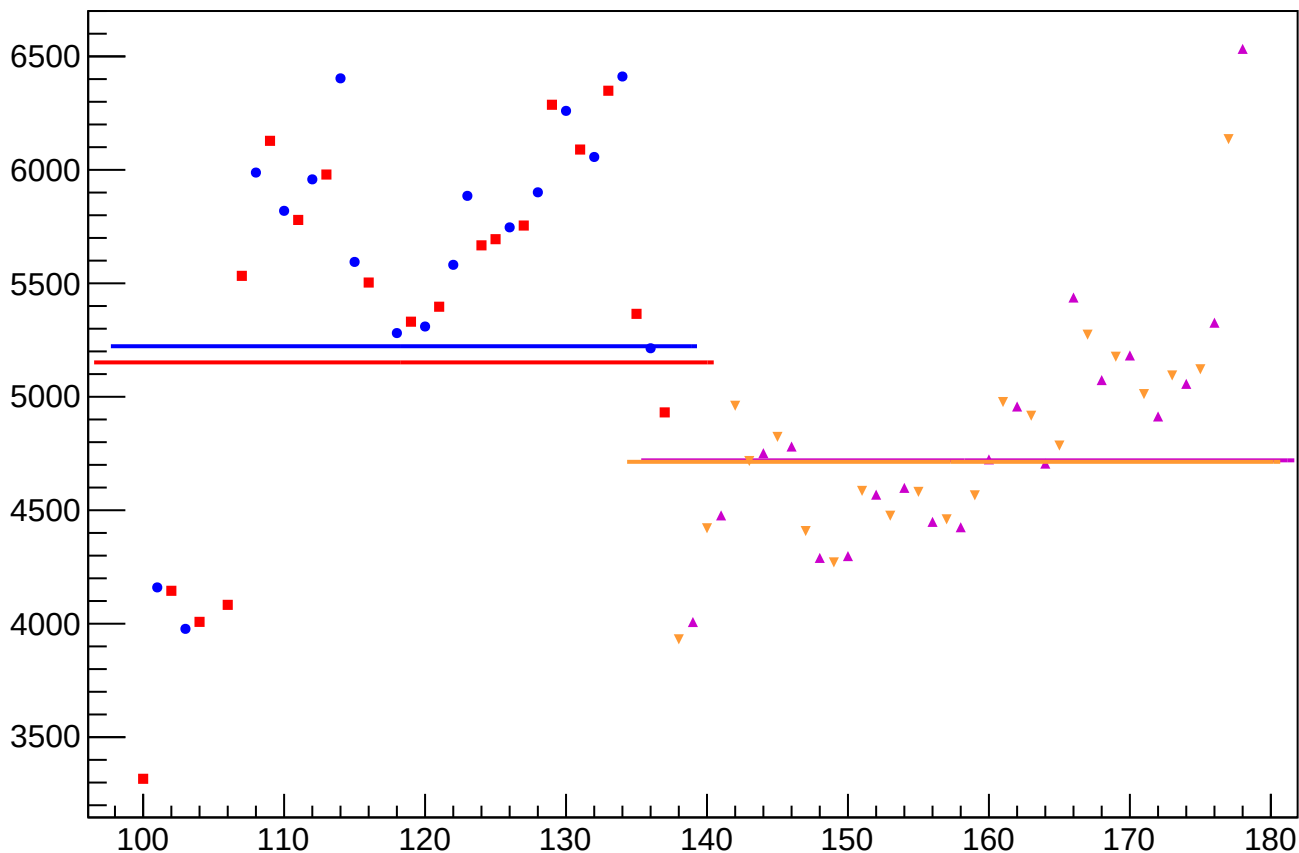
Left In: -2.813 ± 1.209 $\chi^2/\text{NDF}: 74.9/19$

+ sign 0.480 ± 1.028 $\chi^2/\text{NDF}: 284.6/37$

All: -2.882 ± 0.727 $\chi^2/\text{NDF}: 481.3/76$

- sign -6.243 ± 1.028 $\chi^2/\text{NDF}: 175.3/38$

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4713.417 $\pm$ 0.842 χ^2 /NDF: 251294.0/20

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

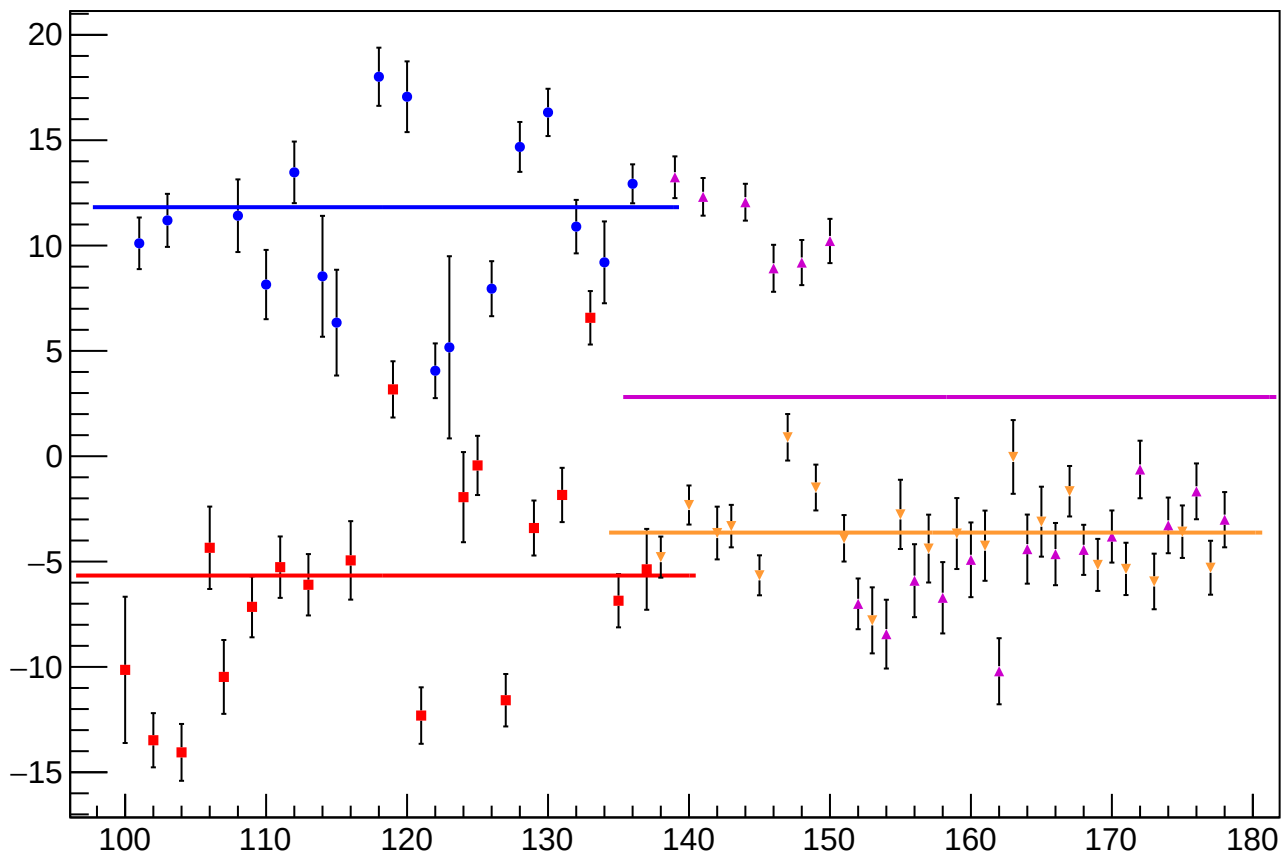
Left In: 4719.923 $\pm$ 0.855 χ^2 /NDF: 287785.6/19

+ sign 4843.301 $\pm$ 0.727 χ^2 /NDF: 657056.4/37

All: 4841.292 $\pm$ 0.514 χ^2 /NDF: 1403086.4/70

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

diff_bpm2i01X_mean vs Slug



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

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

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

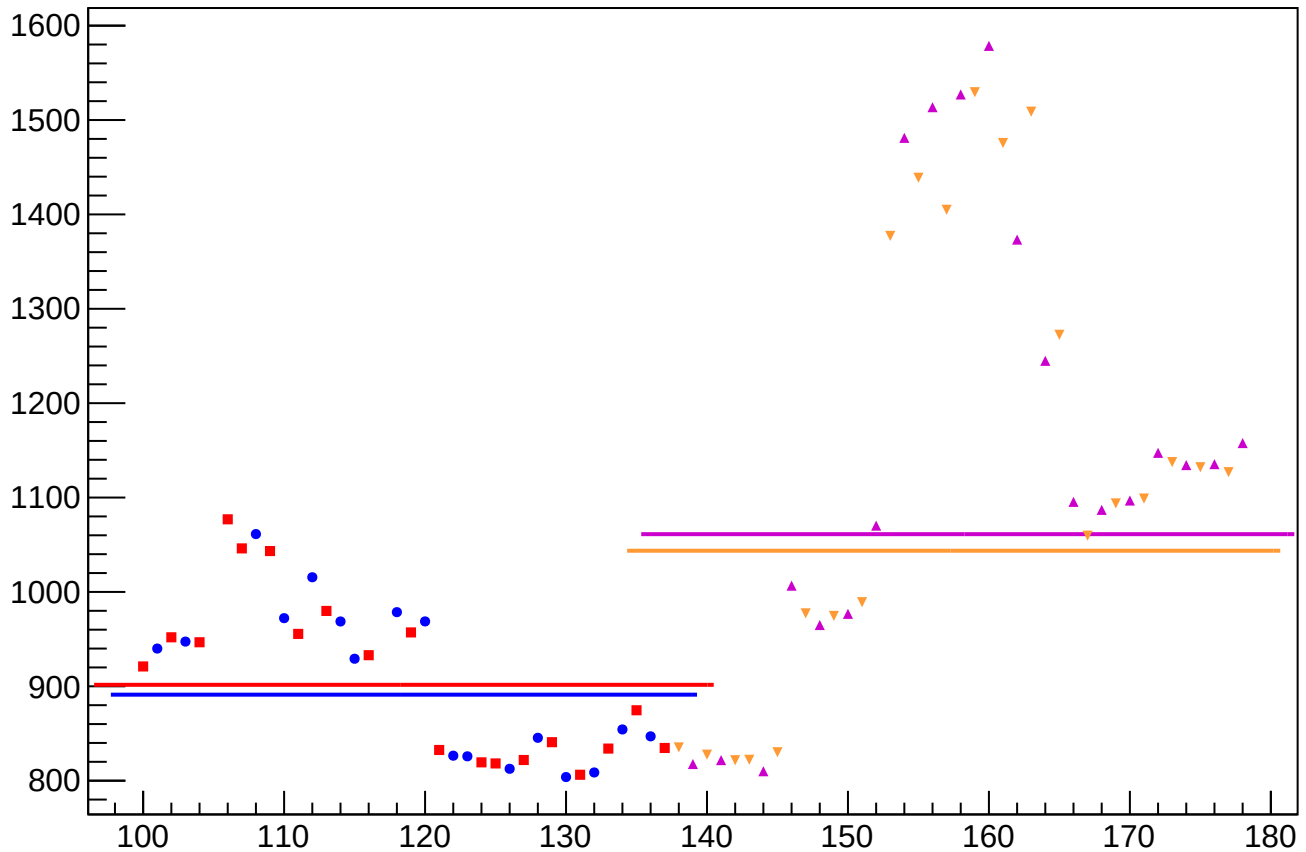
Left In: 2.811 $\pm$ 0.276 χ^2 /NDF: 879.1/19

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

All: 0.836 $\pm$ 0.151 χ^2 /NDF: 3059.6/76

- sign -0.581 $\pm$ 0.214 χ^2 /NDF: 1555.2/38

diff_bpm2i01X_rms vs Slug



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

Left Out: 1043.668 ± 0.190 $\chi^2/\text{NDF}: 1304220.3/20$

+ sign 985.924 ± 0.150 $\chi^2/\text{NDF}: 1649478.1/37$

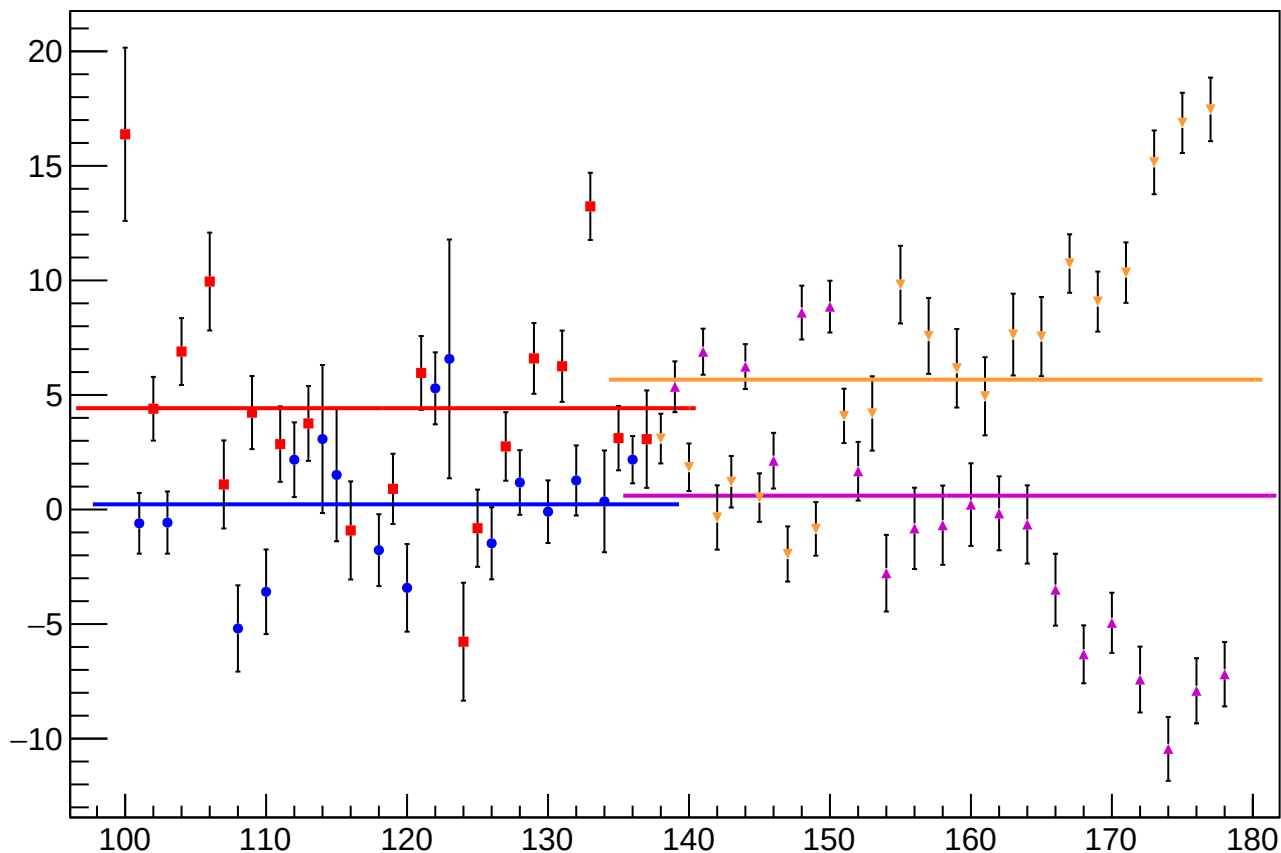
Right Out: 901.588 ± 0.239 $\chi^2/\text{NDF}: 114590.8/18$

All: 991.565 ± 0.107 $\chi^2/\text{NDF}: 3226456.2/76$

- sign 997.322 ± 0.151 $\chi^2/\text{NDF}: 1574116.1/38$

Left In: 1061.209 ± 0.196 $\chi^2/\text{NDF}: 1192742.5/19$

diff_bpm2i01Y_mean vs Slug



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

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

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

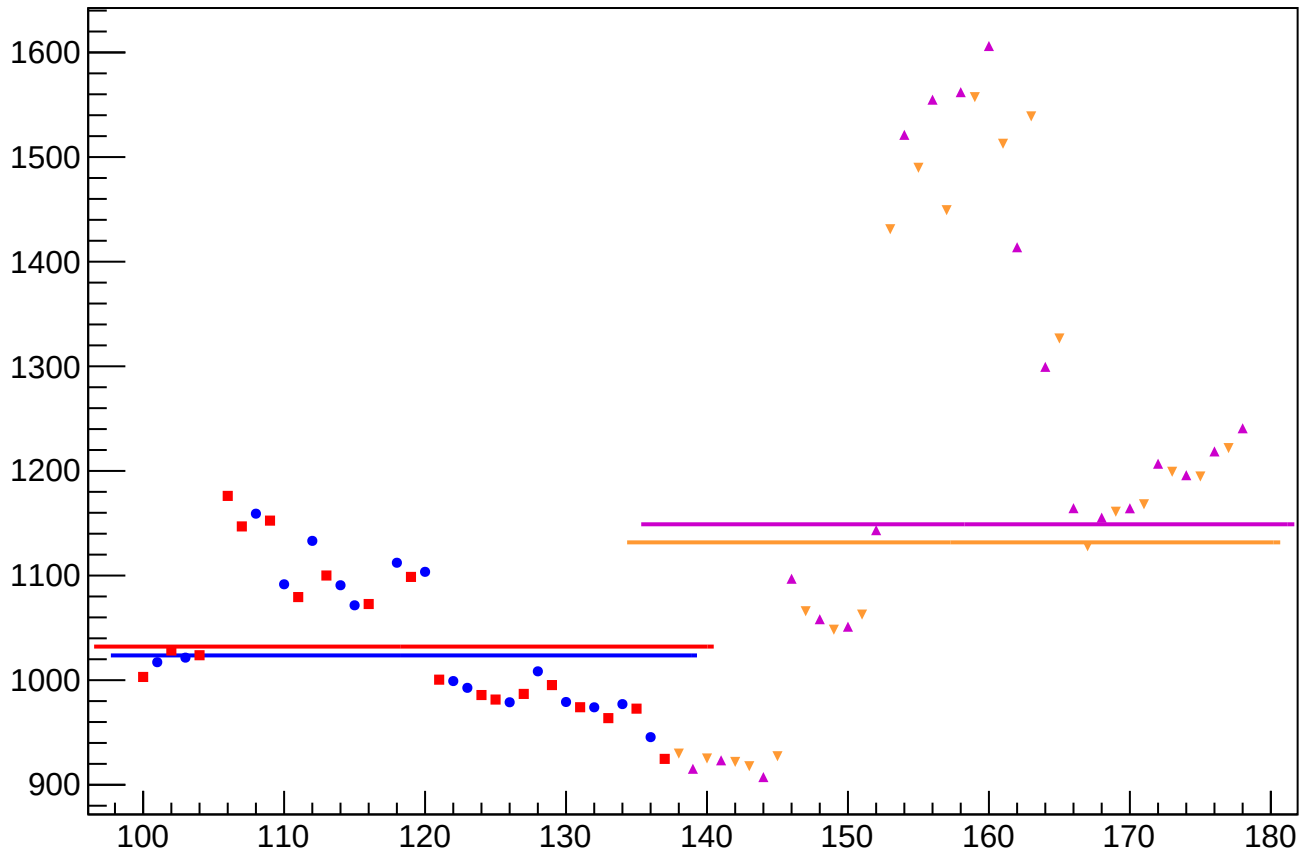
Left In: 0.604 ± 0.298 χ^2/NDF : 414.0/19

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

All: 2.903 ± 0.166 χ^2/NDF : 1154.9/76

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

diff_bpm2i01Y_rms vs Slug



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

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

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

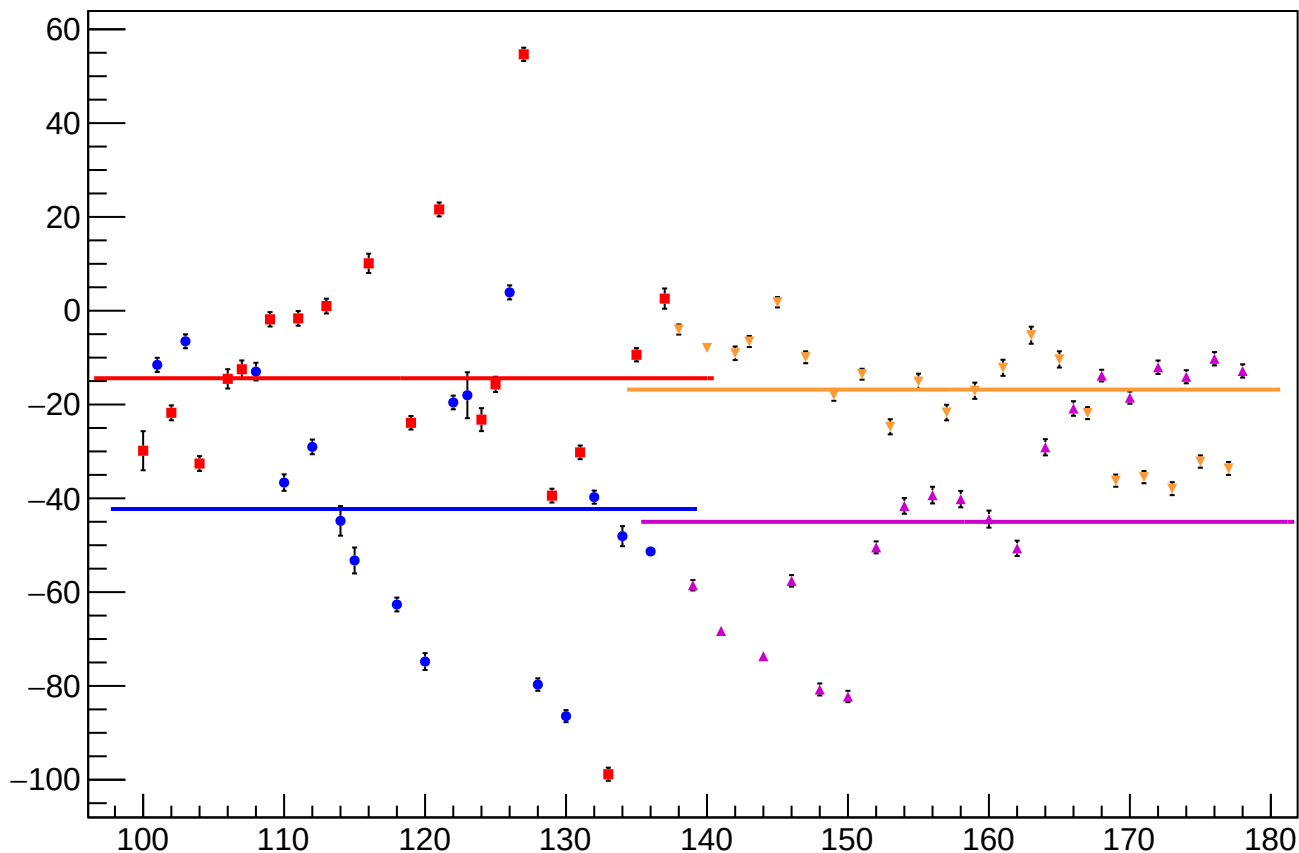
Left In: 1149.000+/-0.210 χ^2/NDF : 876979.6/19

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

All: 1099.666+/-0.117 χ^2/NDF : 2170052.4/70

- sign 1105.531+/-0.167 χ^2/NDF : 1051152.2/38

diff_bpm2i02X_mean vs Slug



Right In: -42.278 ± 0.387 $\chi^2/\text{NDF}: 5126.8/16$

Left Out: -16.810 ± 0.294 $\chi^2/\text{NDF}: 1694.2/20$

Right Out: -14.393 ± 0.378 $\chi^2/\text{NDF}: 7669.8/18$

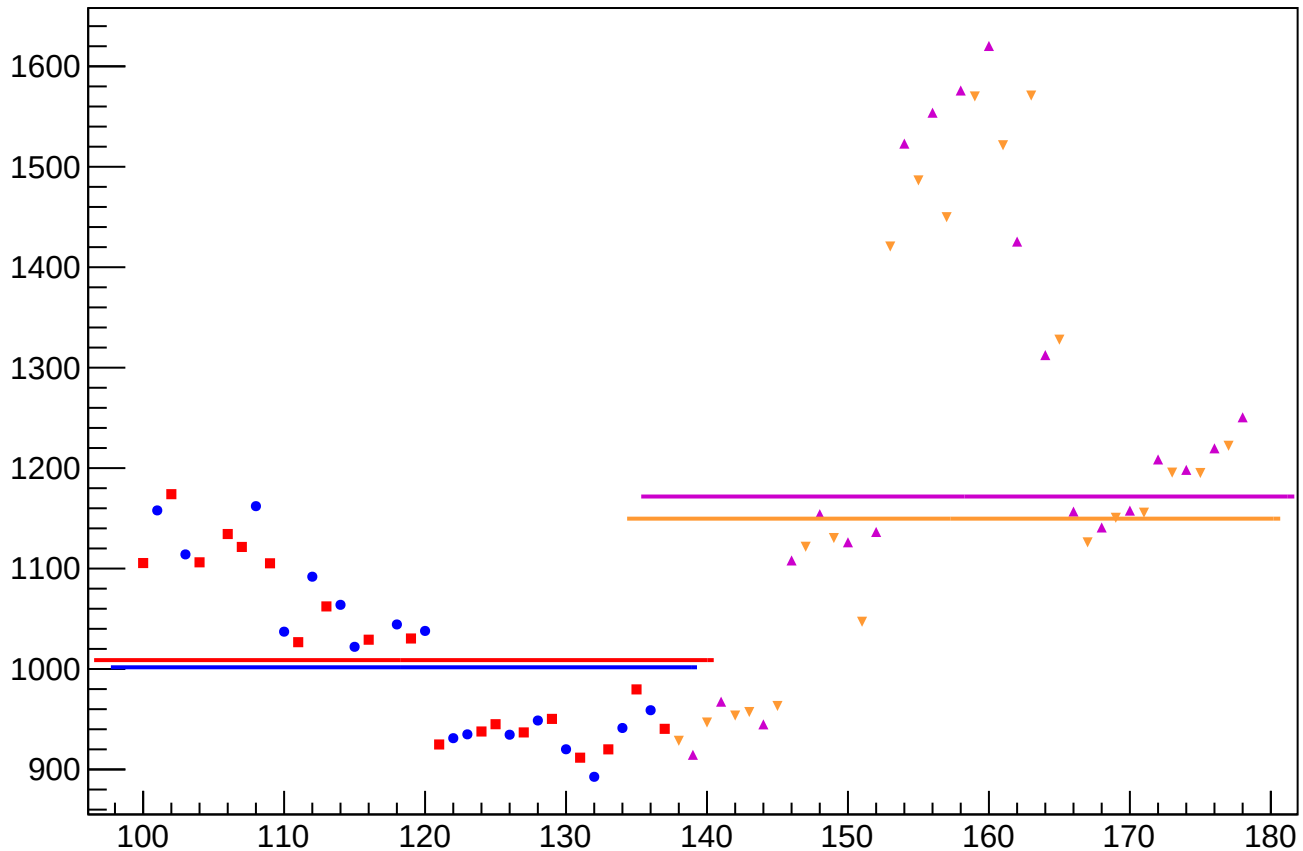
Left In: -45.011 ± 0.303 $\chi^2/\text{NDF}: 6795.8/19$

+ sign -26.125 ± 0.234 $\chi^2/\text{NDF}: 9566.2/37$

All: -29.553 ± 0.166 $\chi^2/\text{NDF}: 28453.6/76$

- sign -33.052 ± 0.237 $\chi^2/\text{NDF}: 18454.2/38$

diff_bpm2i02X_rms vs Slug



Right In: 1001.706 ± 0.274 $\chi^2/\text{NDF}: 95480.0/16$

Left Out: 1149.690 ± 0.208 $\chi^2/\text{NDF}: 873192.4/20$

Right Out: 1008.848 ± 0.268 $\chi^2/\text{NDF}: 95349.9/18$

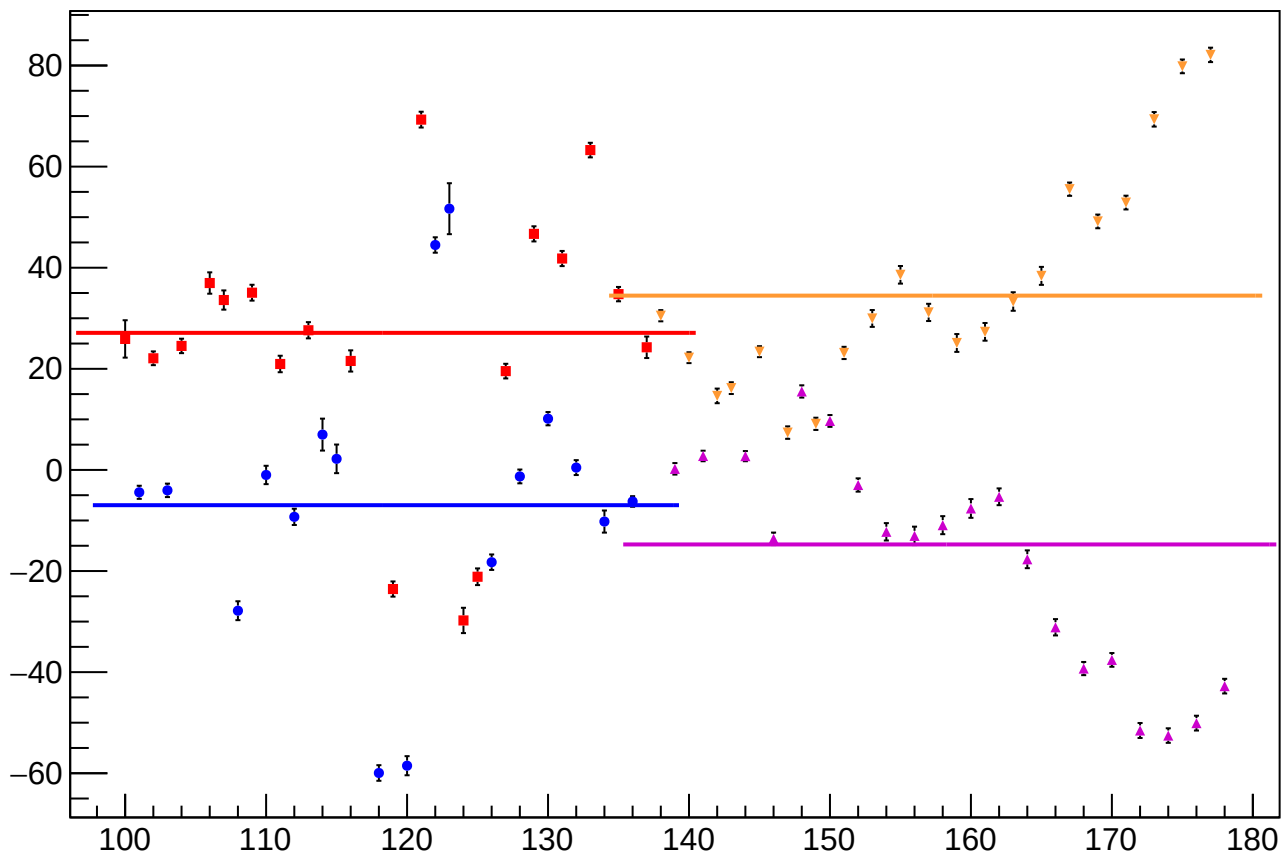
Left In: 1171.723 ± 0.214 $\chi^2/\text{NDF}: 775265.2/19$

+ sign 1095.566 ± 0.166 $\chi^2/\text{NDF}: 1154036.0/37$

All: 1101.770 ± 0.118 $\chi^2/\text{NDF}: 2253222.4/70$

- sign 1108.103 ± 0.167 $\chi^2/\text{NDF}: 1096348.5/38$

diff_bpm2i02Y_mean vs Slug



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

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

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

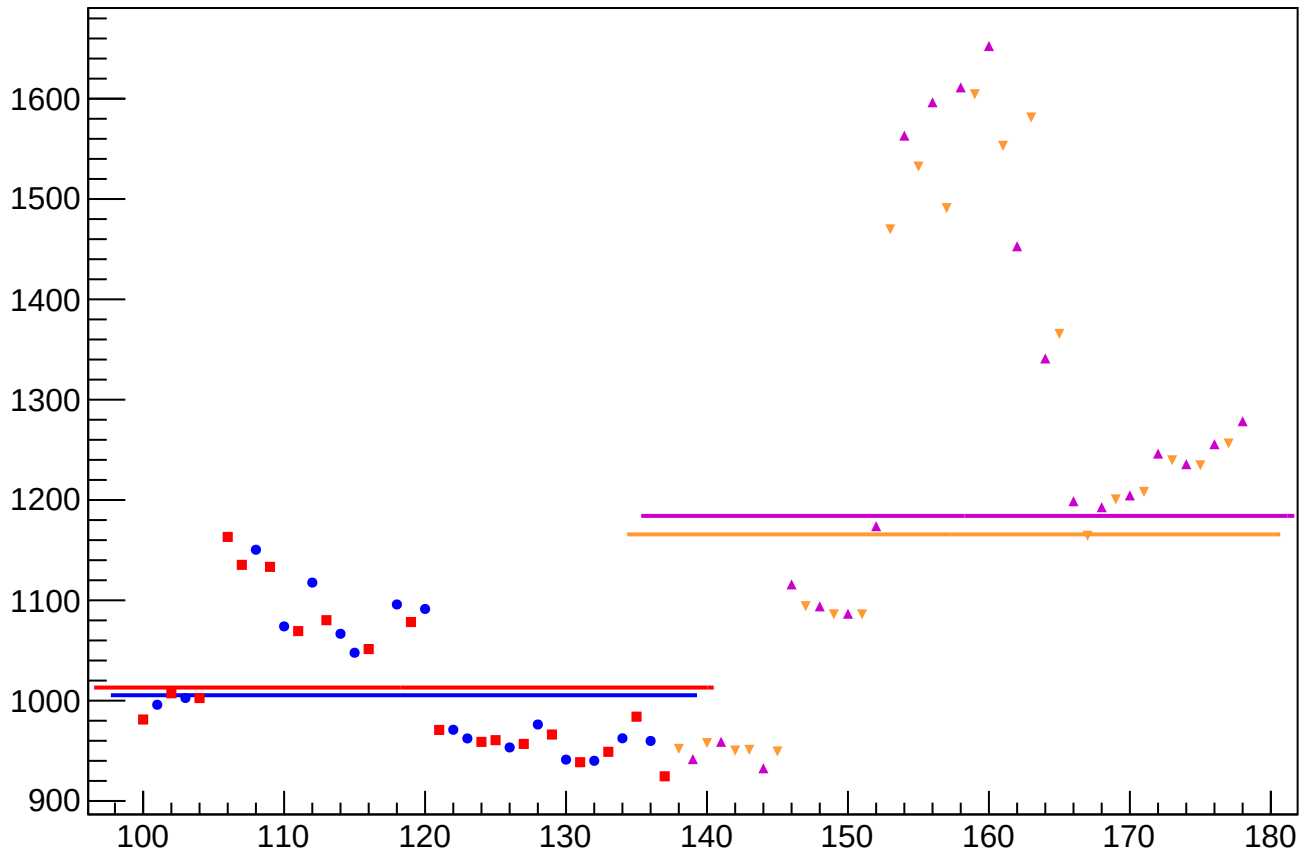
Left In: -14.741 ± 0.307 χ^2/NDF : 4951.3/19

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

All: 10.499 ± 0.168 χ^2/NDF : 35177.5/76

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

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

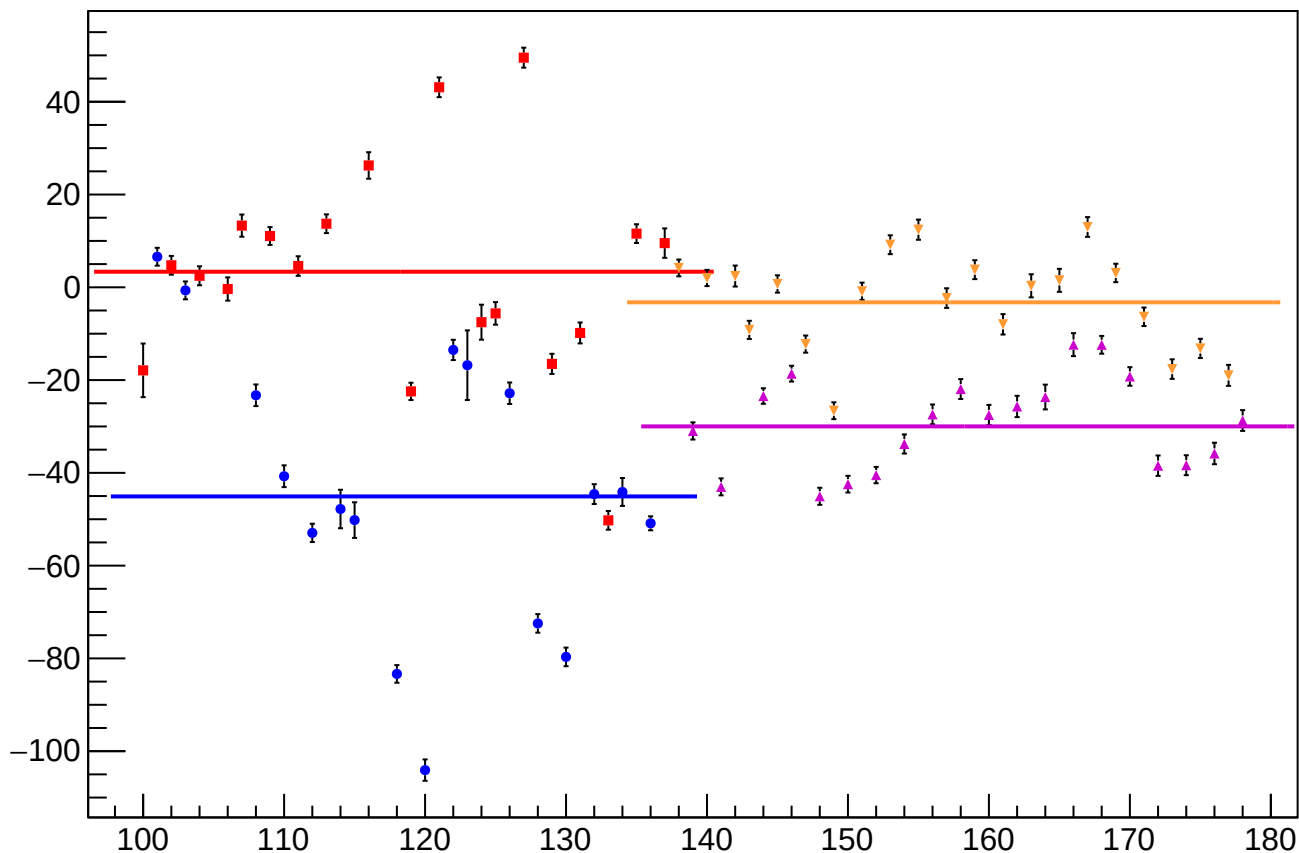
Left In: 1184.171 $\pm$ 0.217 χ^2 /NDF: 869905.7/19

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

All: 1111.335 $\pm$ 0.119 χ^2 /NDF: 2414281.9/76

- 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: -3.239 ± 0.443 χ^2/NDF : 537.5/20

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

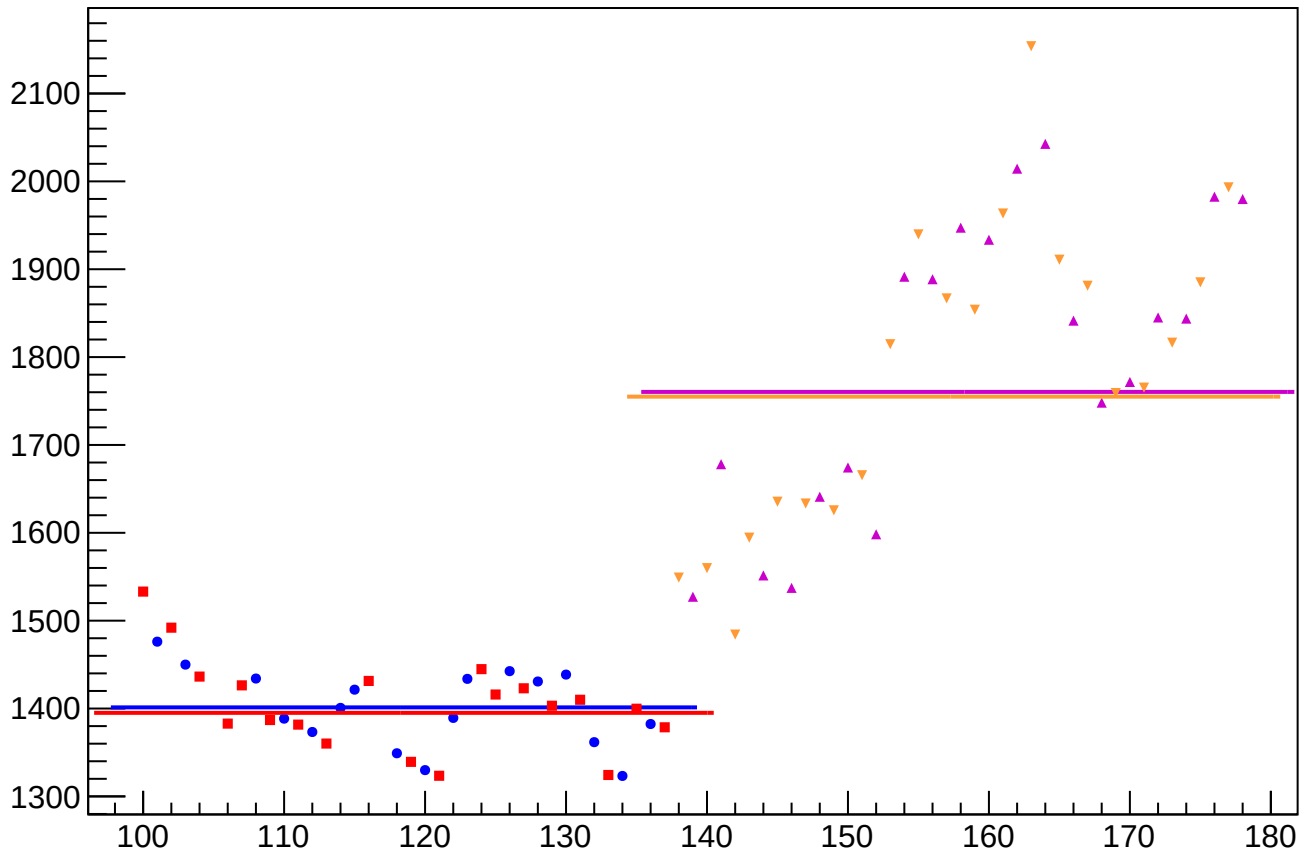
Left In: -29.984 ± 0.450 χ^2/NDF : 491.7/19

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

All: -17.910 ± 0.242 χ^2/NDF : 12282.6/76

- 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: 1754.991 ± 0.313 χ^2/NDF : 267077.2/20

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

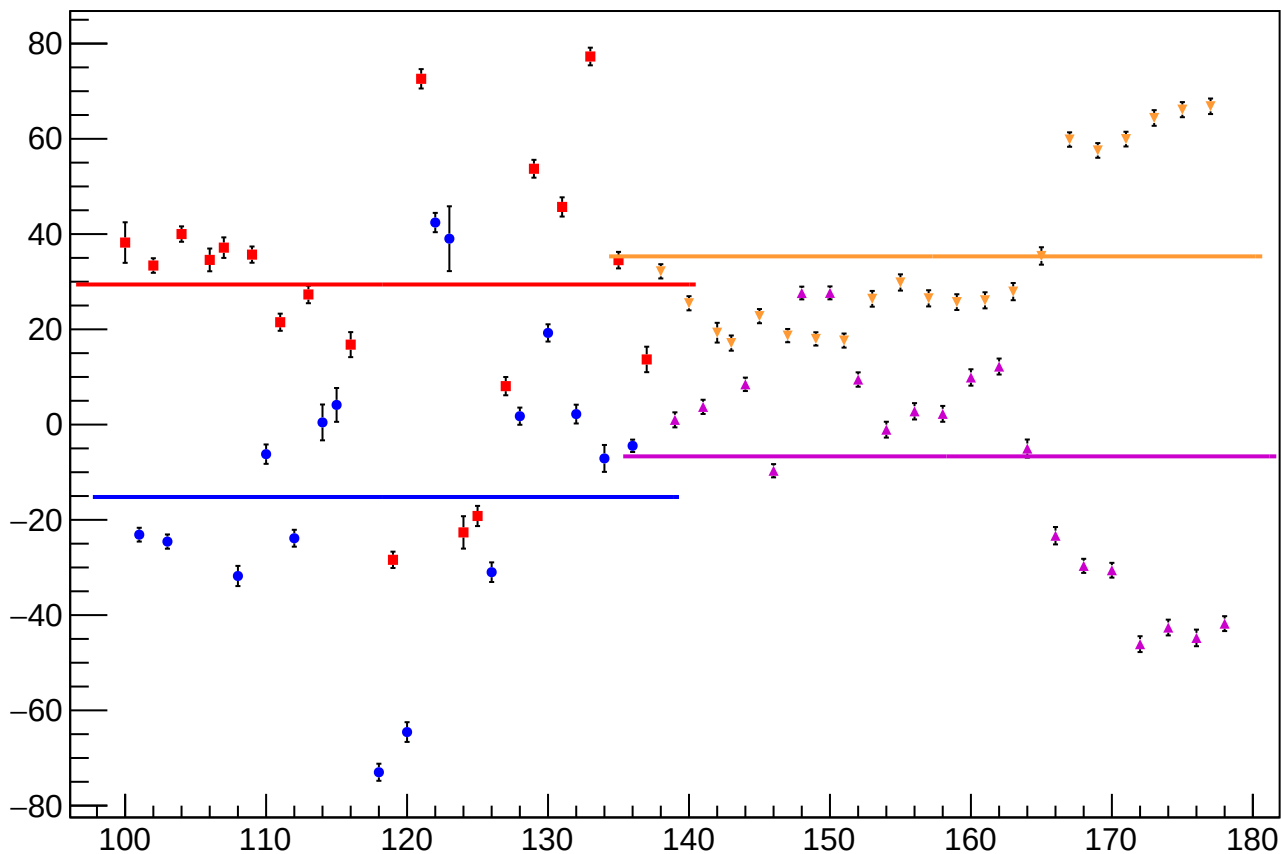
Left In: 1760.374 ± 0.319 χ^2/NDF : 266896.2/19

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

All: 1608.436 ± 0.171 χ^2/NDF : 1637352.4/76

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

diff_bpm0i02Y_mean vs Slug



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

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

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

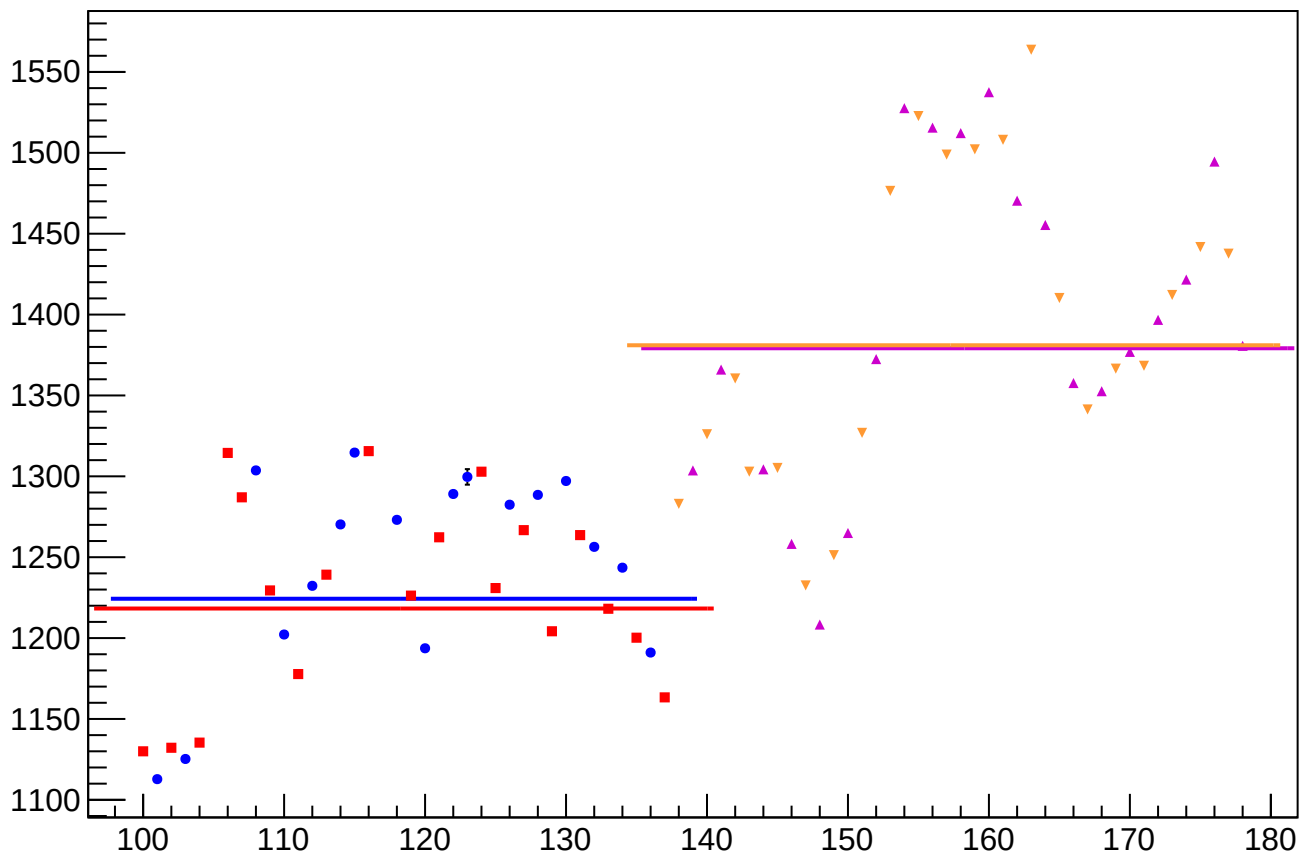
Left In: -6.670 ± 0.352 χ^2/NDF : 4463.0/19

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

All: 12.134 ± 0.198 χ^2/NDF : 26125.6/76

- sign 6.800 ± 0.279 χ^2/NDF : 11929.9/38

diff_bpm0i02Y_rms vs Slug



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

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

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

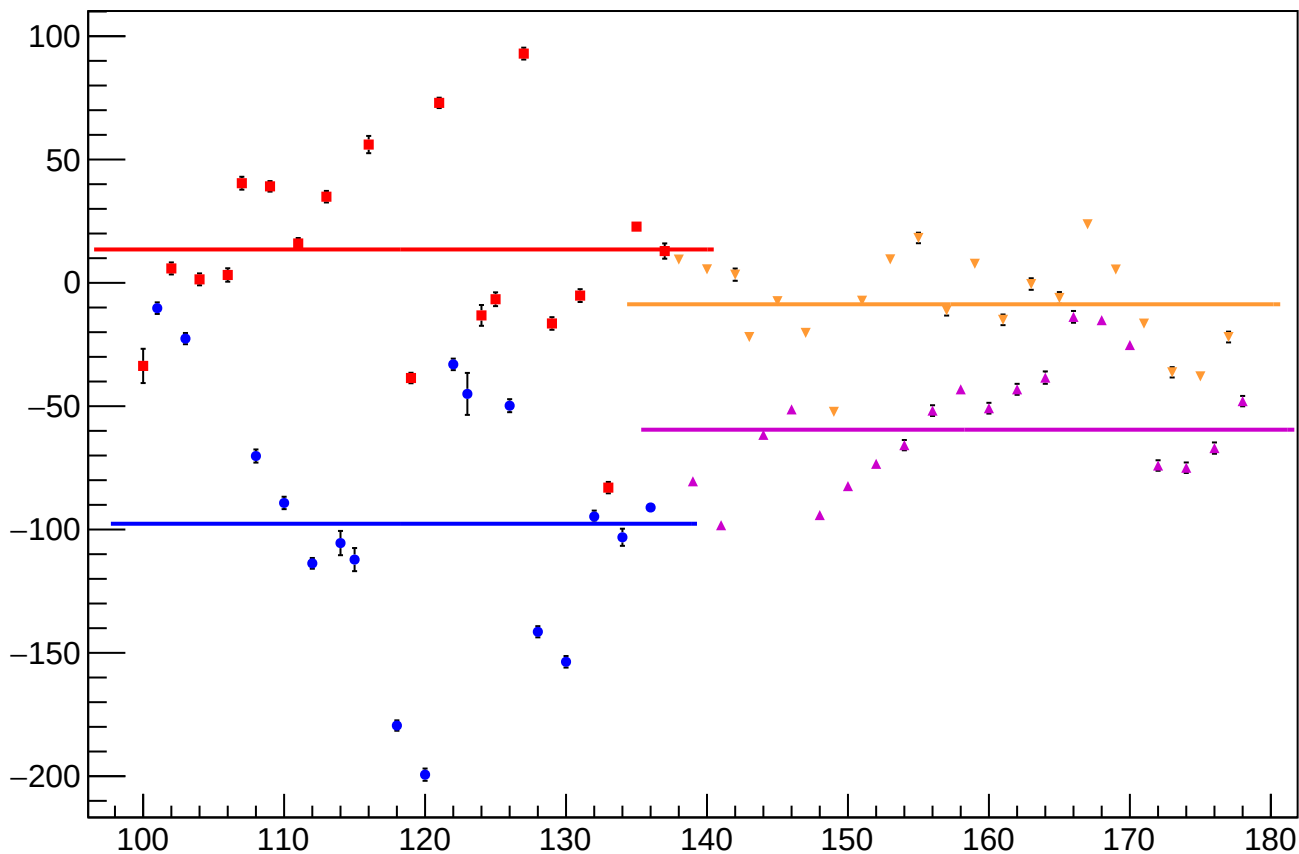
Left In: 1379.175+/-0.249 χ^2/NDF : 150606.2/19

+ sign 1325.831+/-0.198 χ^2/NDF : 326454.4/37

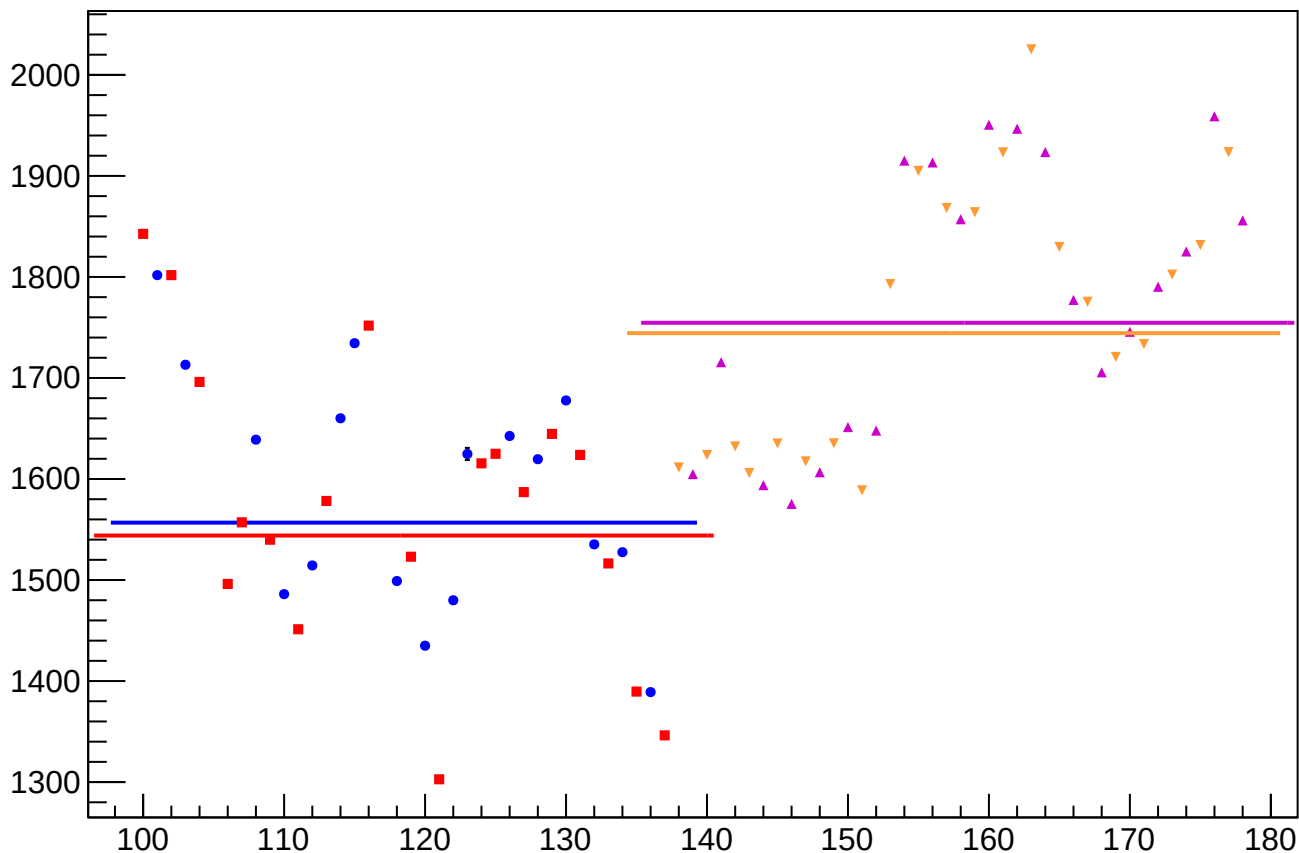
All: 1322.455+/-0.140 χ^2/NDF : 661138.6/76

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

diff_bpm0i02aX_mean vs Slug



diff_bpm0i02aX_rms vs Slug



Right In: 1556.799 $\pm$ 0.425 χ^2 /NDF: 81549.2/16

Left Out: 1744.361 $\pm$ 0.311 χ^2 /NDF:162507.5/20

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

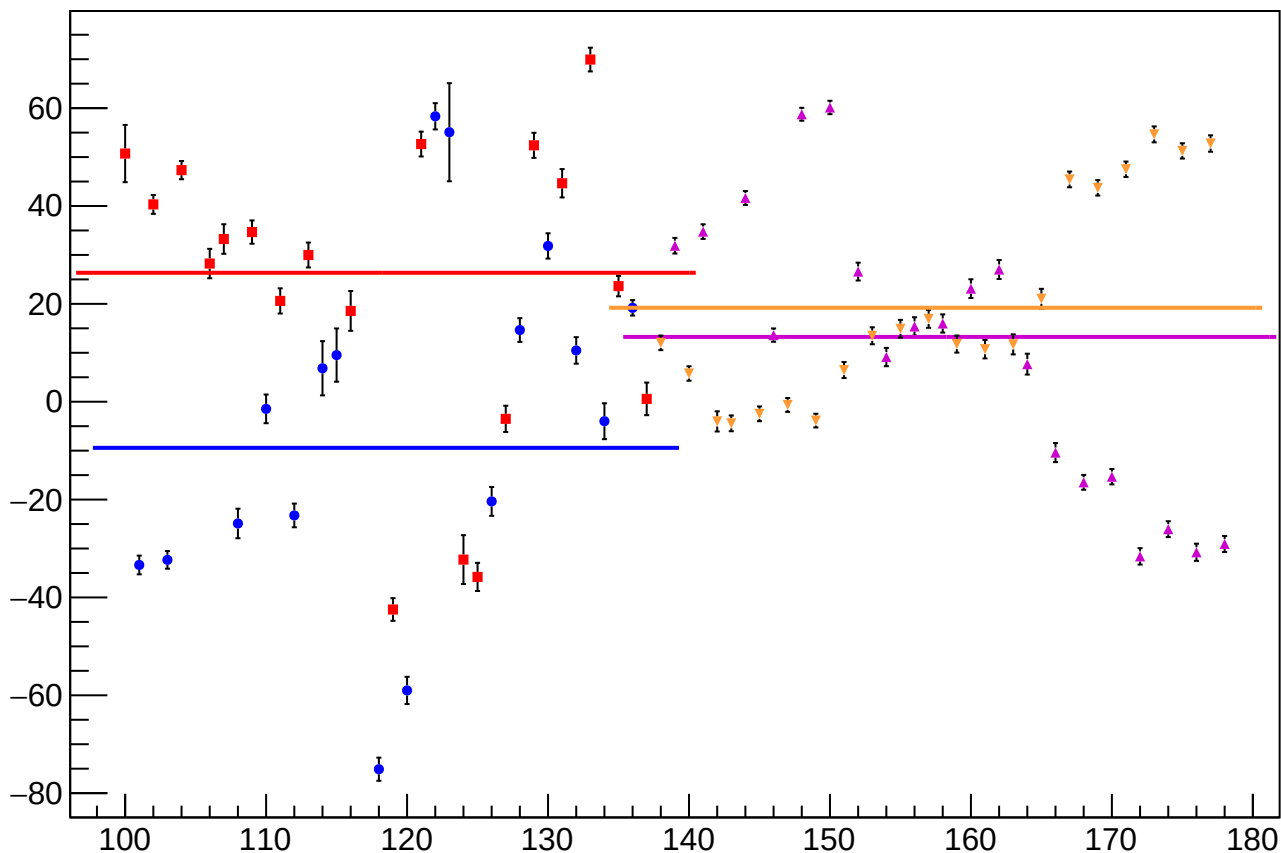
Left In: 1754.636 $\pm$ 0.317 χ^2 /NDF:171305.3/19

+ sign 1678.966 $\pm$ 0.251 χ^2 /NDF: 370797.7/37

All: 1677.382 $\pm$ 0.177 χ^2 /NDF: 808028.1/76

- sign 1675.803 $\pm$ 0.251 χ^2 /NDF: 437150.9/38

diff_bpm0i02aY_mean vs Slug



Right In: -9.427 ± 0.626 $\chi^2/\text{NDF}: 2924.1/16$

Left Out: 19.204 ± 0.360 $\chi^2/\text{NDF}: 3377.2/20$

Right Out: 26.354 ± 0.603 $\chi^2/\text{NDF}: 2472.1/18$

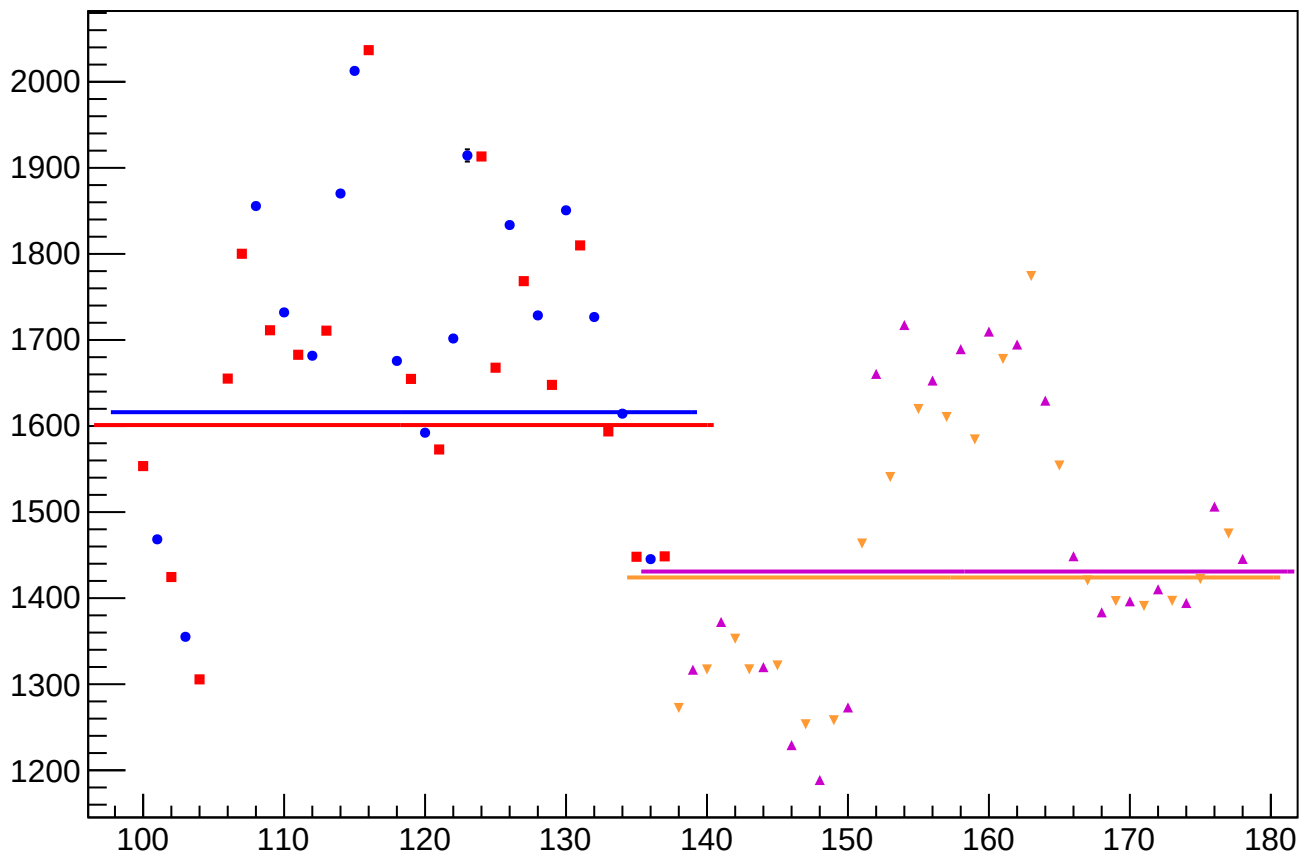
Left In: 13.246 ± 0.367 $\chi^2/\text{NDF}: 6695.6/19$

+ sign 12.092 ± 0.312 $\chi^2/\text{NDF}: 7871.3/37$

All: 14.432 ± 0.221 $\chi^2/\text{NDF}: 17496.7/76$

- sign 16.792 ± 0.314 $\chi^2/\text{NDF}: 9512.6/38$

diff_bpm0i02aY_rms vs Slug



Right In: 1616.094+/-0.443 χ^2/NDF : 149596.3/16

Left Out: 1424.026+/-0.255 χ^2/NDF : 286535.7/20

Right Out: 1601.134+/-0.426 χ^2/NDF : 153651.5/18

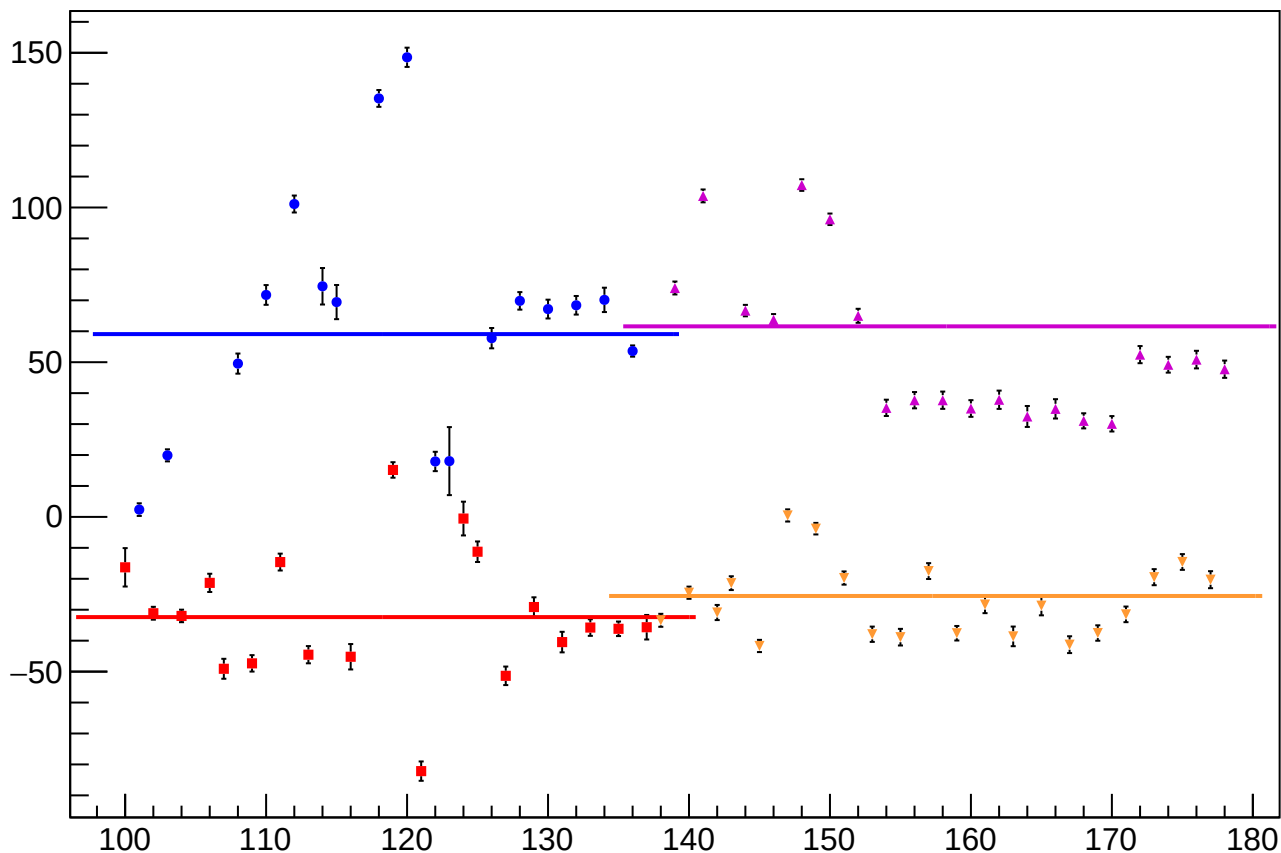
Left In: 1430.938+/-0.260 χ^2/NDF : 413081.3/19

+ sign 1471.735+/-0.221 χ^2/NDF : 577434.4/37

All: 1474.345+/-0.156 χ^2/NDF : 1260757.8/70

- sign 1476.977+/-0.222 χ^2/NDF : 683042.6/38

diff_bpm0i05X_mean vs Slug



Right In: 59.081 $\pm$ 0.699 χ^2 /NDF: 3293.6/16

Left Out: -25.556 $\pm$ 0.518 χ^2 /NDF: 601.3/20

Right Out: -32.382 $\pm$ 0.666 χ^2 /NDF: 891.5/18

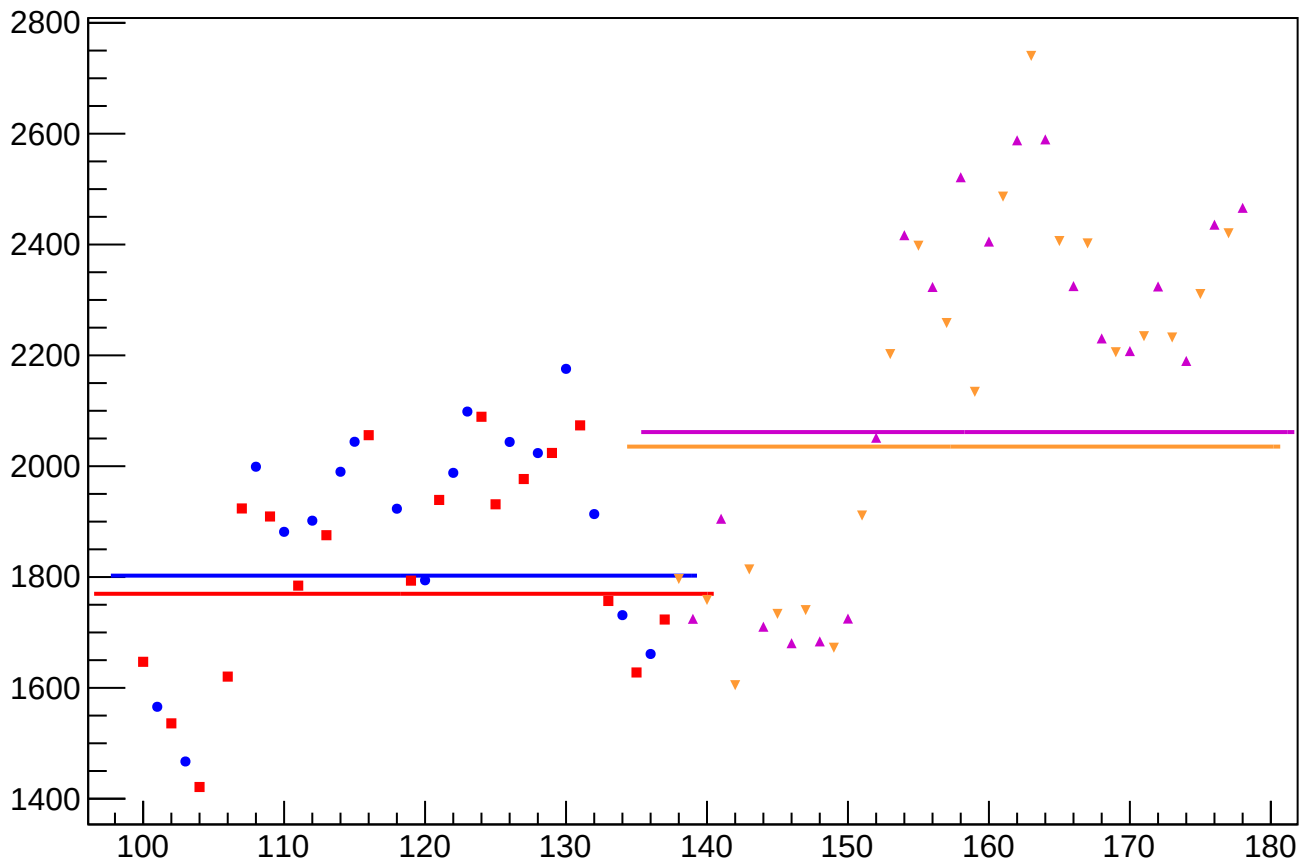
Left In: 61.586 $\pm$ 0.532 χ^2 /NDF: 2348.3/19

+ sign 4.433 $\pm$ 0.416 χ^2 /NDF: 13348.8/37

All: 14.733 $\pm$ 0.294 χ^2 /NDF: 29951.3/76

- sign 25.007 $\pm$ 0.416 χ^2 /NDF: 15380.1/38

diff_bpm0i05X_rms vs Slug



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

Left Out: 2035.369 ± 0.366 $\chi^2/\text{NDF}: 696268.9/20$

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

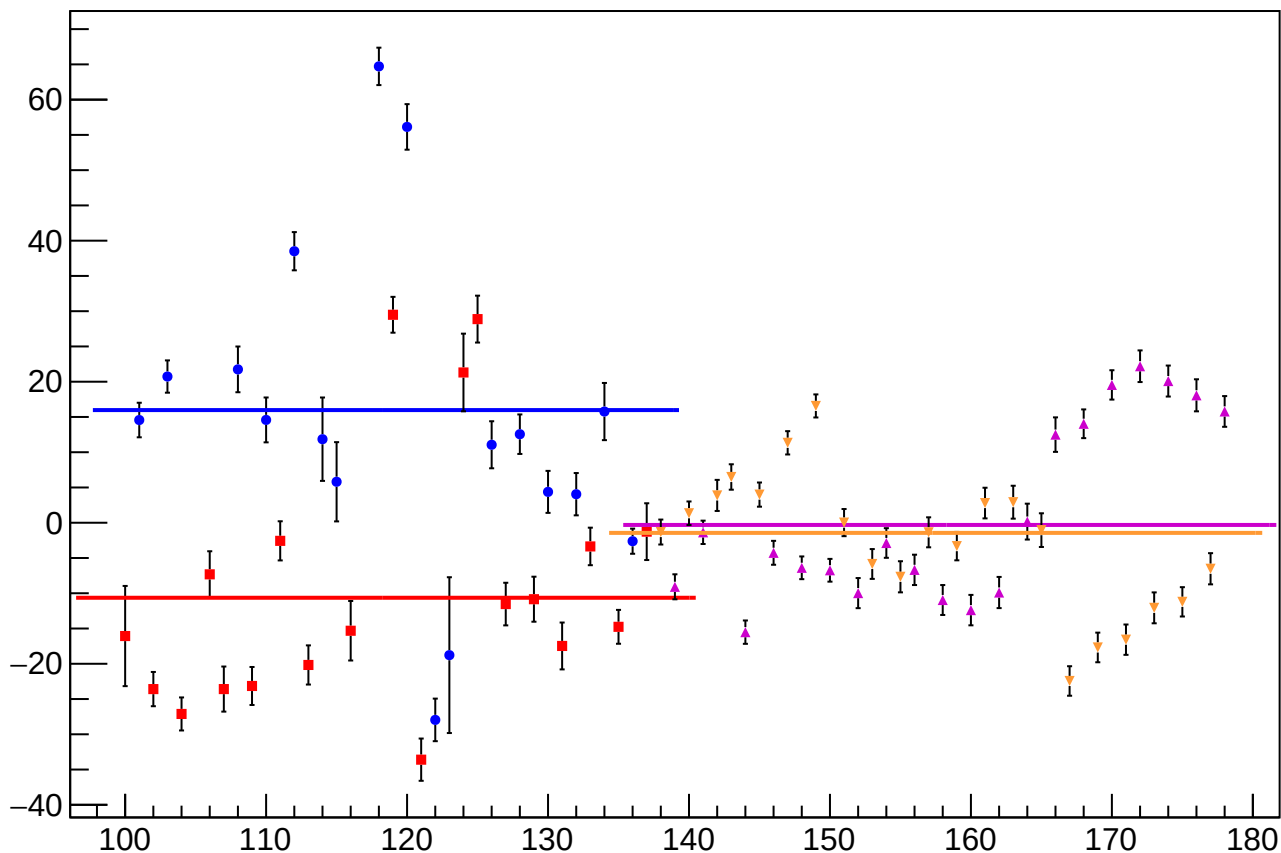
Left In: 2061.583 ± 0.376 $\chi^2/\text{NDF}: 751106.3/19$

+ sign 1952.867 ± 0.294 $\chi^2/\text{NDF}: 1023442.4/37$

All: 1950.425 ± 0.208 $\chi^2/\text{NDF}: 2186734.4/70$

- sign 1947.990 ± 0.294 $\chi^2/\text{NDF}: 1163154.6/38$

diff_bpm0i05Y_mean vs Slug



Right In: 15.976 ± 0.722 $\chi^2/\text{NDF}: 938.4/16$

Left Out: -1.438 ± 0.433 $\chi^2/\text{NDF}: 500.9/20$

Right Out: -10.638 ± 0.693 $\chi^2/\text{NDF}: 642.1/18$

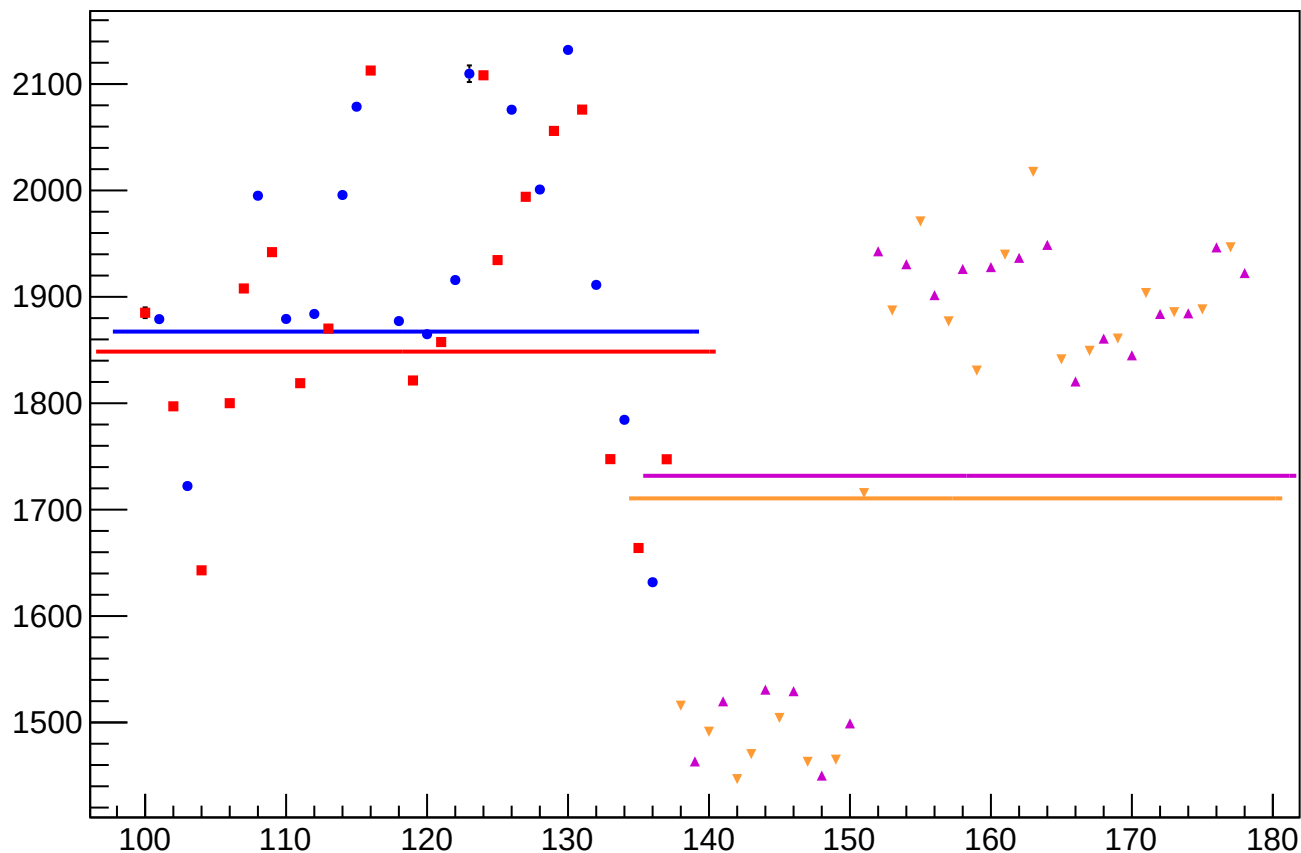
Left In: -0.312 ± 0.444 $\chi^2/\text{NDF}: 725.6/19$

+ sign 3.179 ± 0.372 $\chi^2/\text{NDF}: 1867.2/37$

All: -0.048 ± 0.264 $\chi^2/\text{NDF}: 3544.0/76$

- sign -3.316 ± 0.374 $\chi^2/\text{NDF}: 1525.0/38$

diff_bpm0i05Y_rms vs Slug



Right In: 1867.343 $\pm$ 0.510 χ^2 /NDF: 80926.4/16

Left Out: 1710.589 $\pm$ 0.306 χ^2 /NDF: 450930.9/20

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

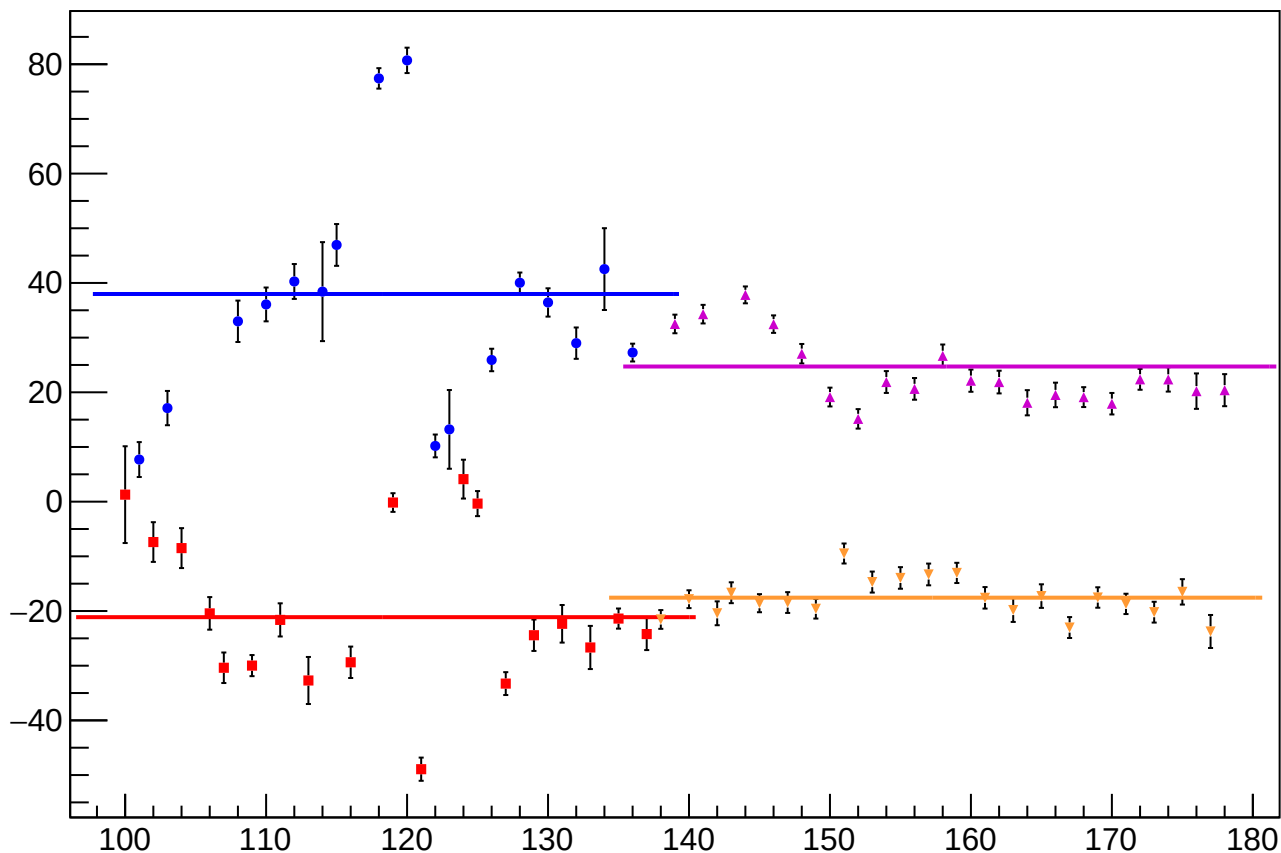
Left In: 1731.819 $\pm$ 0.314 χ^2 /NDF: 422807.3/19

+ sign 1752.150 $\pm$ 0.263 χ^2 /NDF: 601208.3/37

All: 1758.915 $\pm$ 0.186 χ^2 /NDF: 1138065.0/70

- sign 1765.767 $\pm$ 0.264 χ^2 /NDF: 535522.1/38

diff_bpm0i07X_mean vs Slug



Right In: 37.979 ± 0.637 $\chi^2/\text{NDF}: 1204.3/16$

Left Out: -17.560 ± 0.421 $\chi^2/\text{NDF}: 60.8/20$

Right Out: -21.124 ± 0.608 $\chi^2/\text{NDF}: 573.6/18$

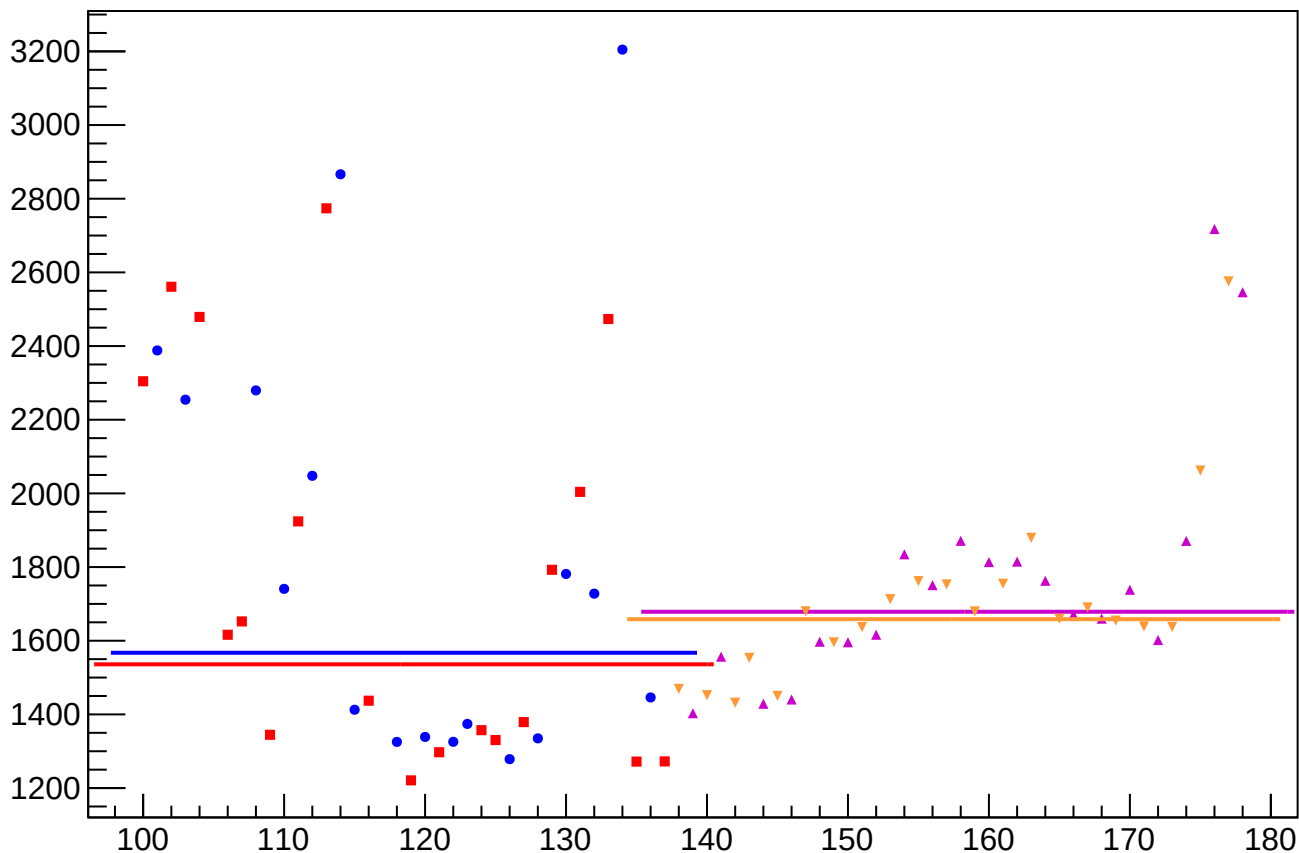
Left In: 24.717 ± 0.434 $\chi^2/\text{NDF}: 241.7/19$

+ sign -0.667 ± 0.352 $\chi^2/\text{NDF}: 6548.6/37$

All: 4.280 ± 0.249 $\chi^2/\text{NDF}: 11527.0/76$

- sign 9.272 ± 0.353 $\chi^2/\text{NDF}: 4580.4/38$

diff_bpm0i07X_rms vs Slug



Right In: 1567.328 $\pm$ 0.451 χ^2 /NDF: 673450.6/16

Left Out: 1658.498 $\pm$ 0.298 χ^2 /NDF: 402035.4/20

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

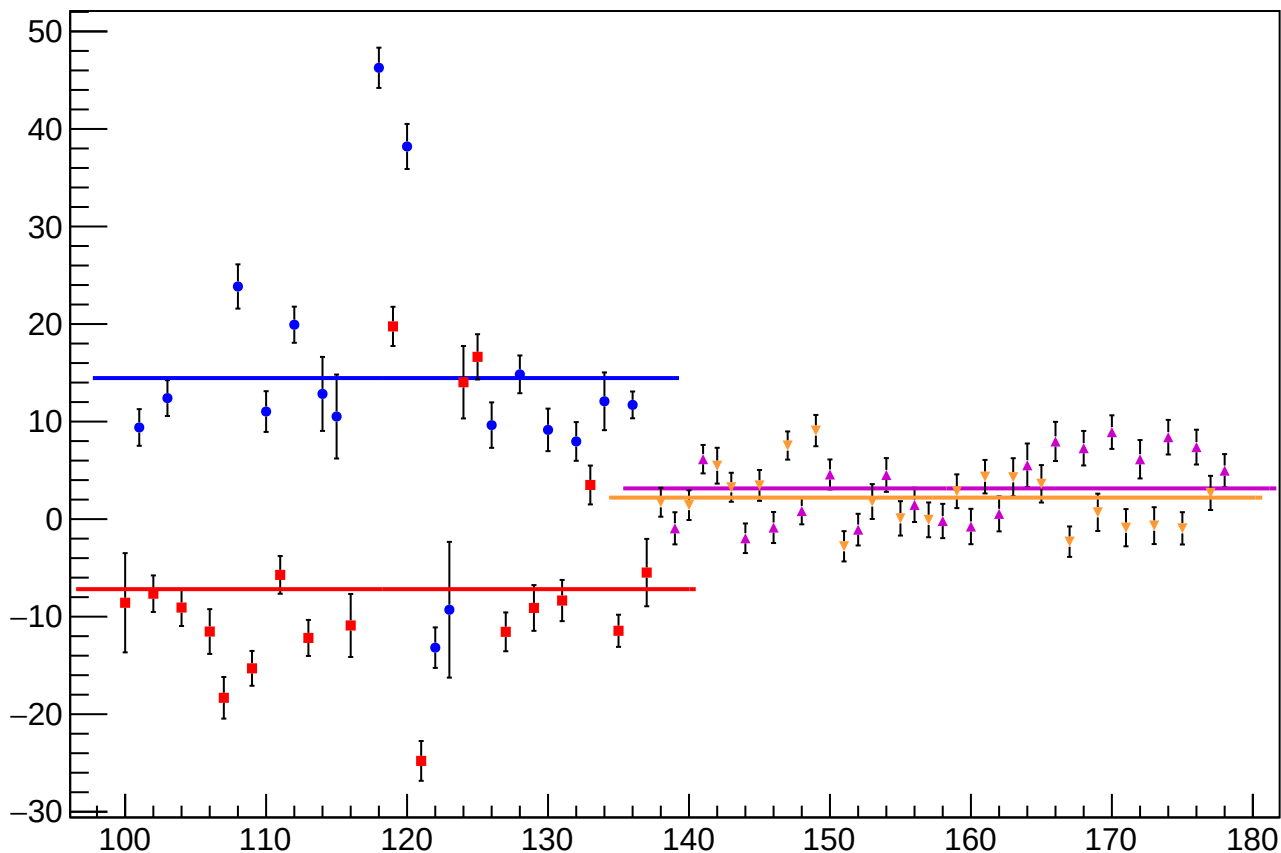
Left In: 1678.671 $\pm$ 0.307 χ^2 /NDF: 623591.6/19

+ sign 1630.768 $\pm$ 0.249 χ^2 /NDF: 1103961.2/37

All: 1630.679 $\pm$ 0.176 χ^2 /NDF: 2682624.7/76

- sign 1630.590 $\pm$ 0.250 χ^2 /NDF: 1578663.2/38

diff_bpm0i07Y_mean vs Slug



Right In: 14.461 $\pm$ 0.523 χ^2 /NDF: 595.9/16

Left Out: 2.204 $\pm$ 0.368 χ^2 /NDF: 71.1/20

Right Out: -7.181 $\pm$ 0.494 χ^2 /NDF: 495.7/18

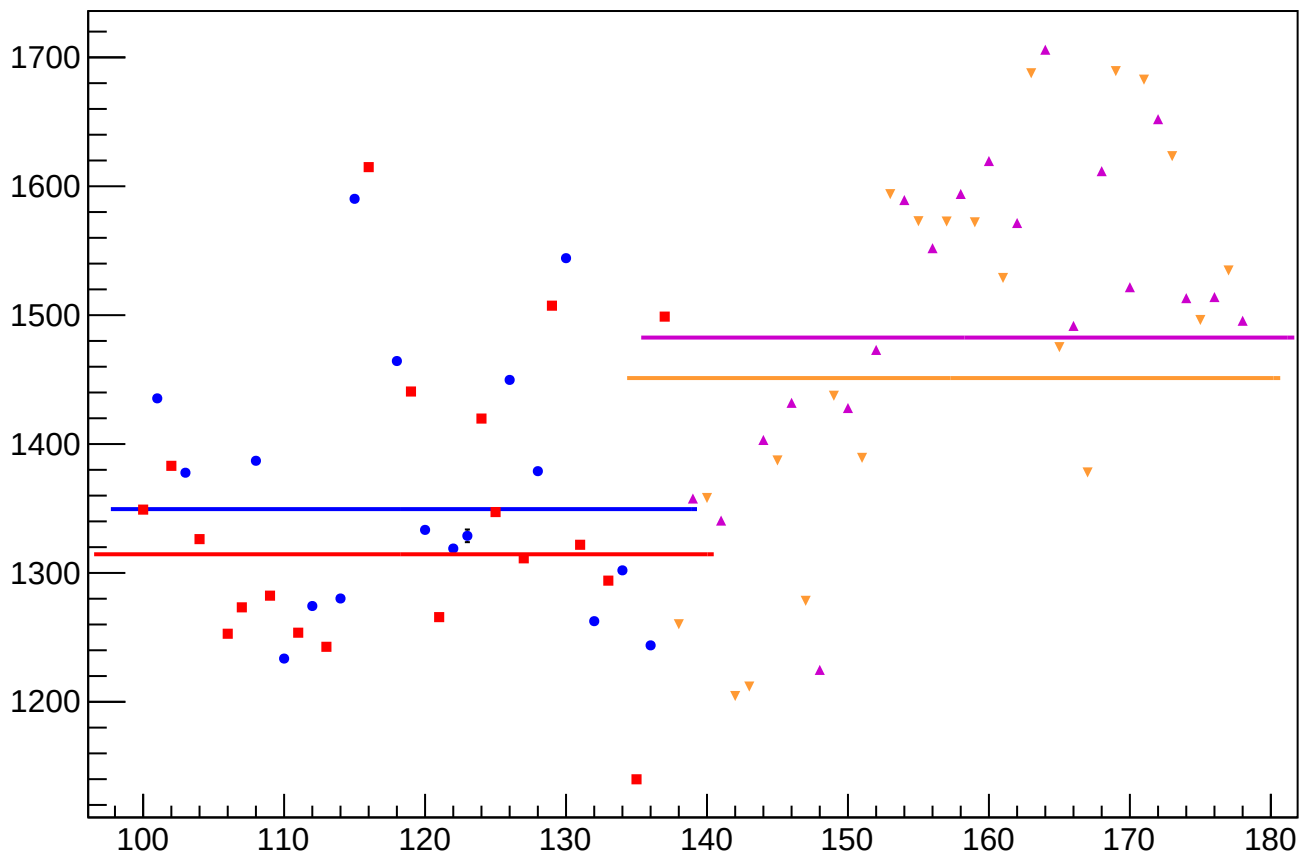
Left In: 3.149 $\pm$ 0.379 χ^2 /NDF: 92.0/19

+ sign 6.254 $\pm$ 0.301 χ^2 /NDF: 1034.6/37

All: 2.790 $\pm$ 0.213 χ^2 /NDF: 2162.5/76

- sign -0.679 $\pm$ 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: 1451.198 $\pm$ 0.260 χ^2 /NDF: 326327.7/20

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

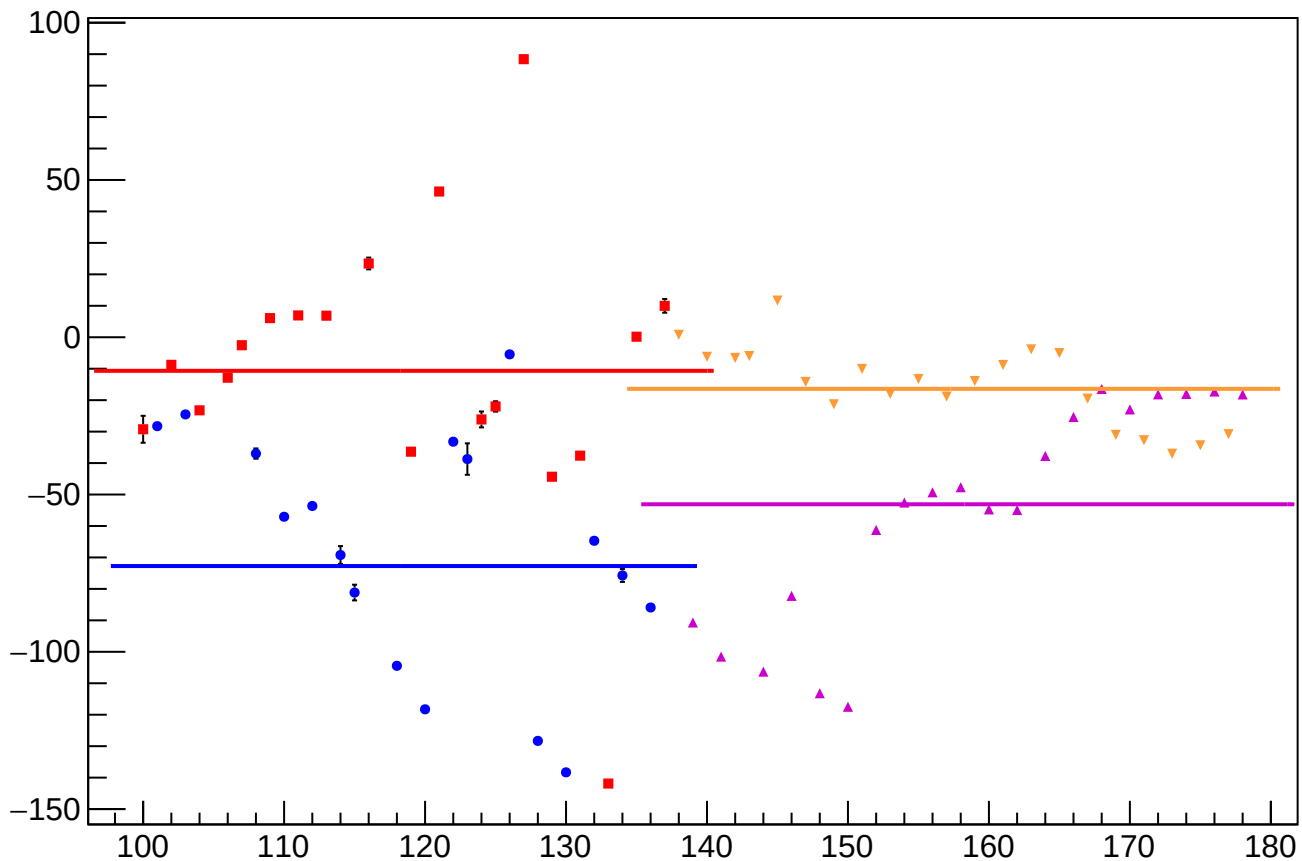
Left In: 1482.613 $\pm$ 0.268 χ^2 /NDF: 195265.0/19

+ sign 1417.603 $\pm$ 0.213 χ^2 /NDF: 441569.6/37

All: 1418.952 $\pm$ 0.150 χ^2 /NDF: 863456.5/76

- sign 1420.302 $\pm$ 0.213 χ^2 /NDF: 421806.4/38

diff_bpm1i02X_mean vs Slug



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

Left Out: -16.401 ± 0.229 $\chi^2/\text{NDF}: 3100.7/20$

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

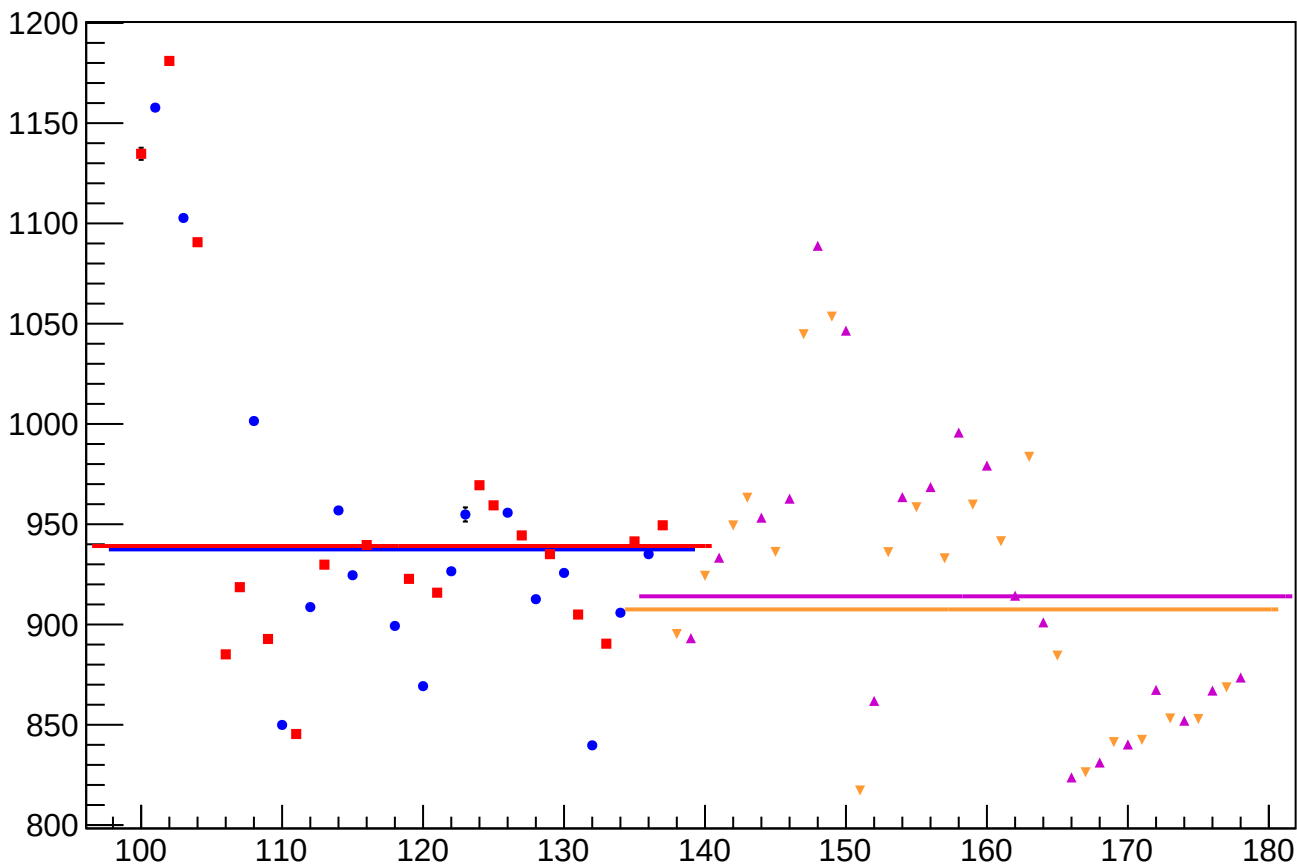
Left In: -53.099 ± 0.233 $\chi^2/\text{NDF}: 21082.1/19$

+ sign -32.470 ± 0.194 $\chi^2/\text{NDF}: 32071.1/37$

All: -36.290 ± 0.137 $\chi^2/\text{NDF}: 82185.4/76$

- sign -40.154 ± 0.195 $\chi^2/\text{NDF}: 49330.4/38$

diff_bpm1i02X_rms vs Slug



Right In: 937.454 $\pm$ 0.256 χ^2 /NDF: 98307.6/16

Left Out: 907.530 $\pm$ 0.162 χ^2 /NDF: 159709.1/20

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

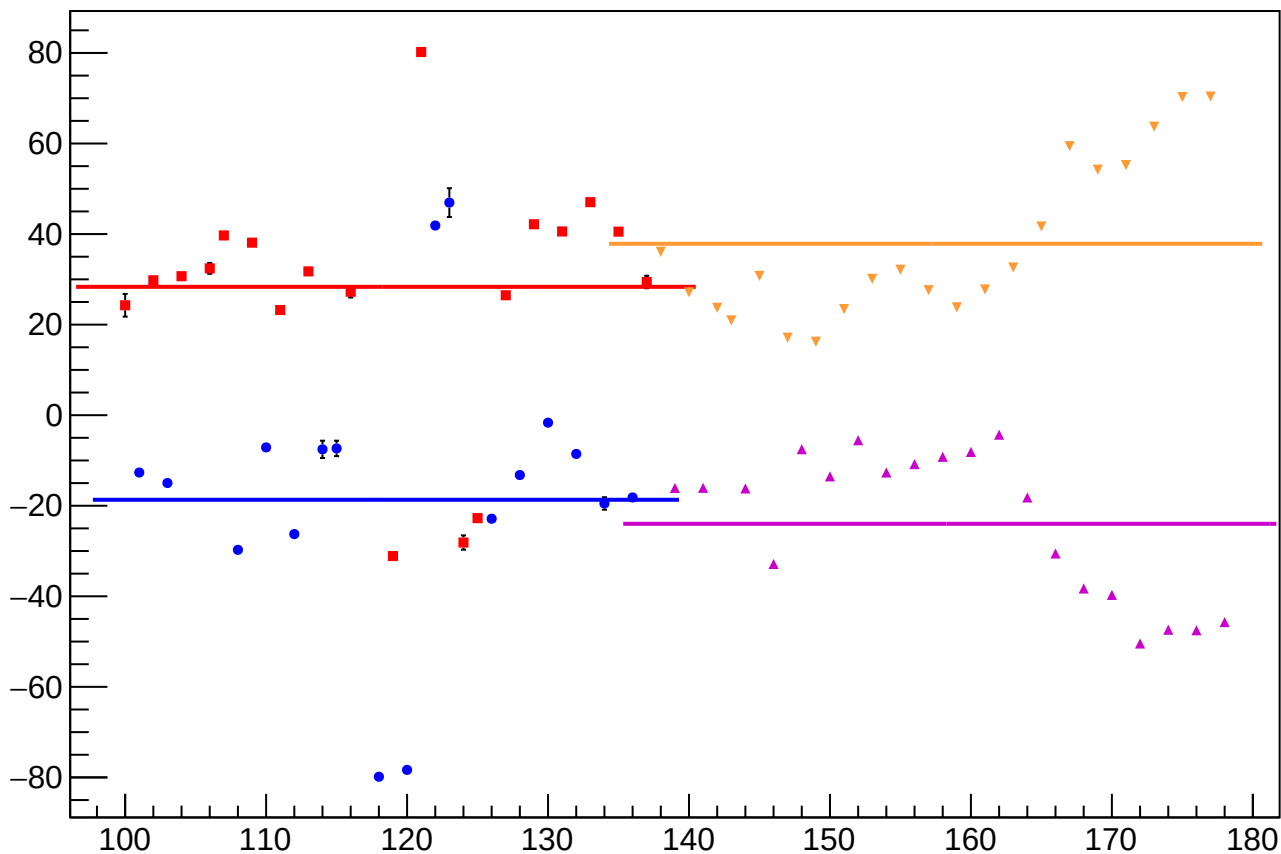
Left In: 914.051 $\pm$ 0.165 χ^2 /NDF: 173368.3/19

+ sign 916.065 $\pm$ 0.137 χ^2 /NDF: 267765.9/37

All: 918.869 $\pm$ 0.097 χ^2 /NDF: 539279.6/76

- 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: 37.854 ± 0.180 $\chi^2/\text{NDF}: 9469.6/20$

Right Out: 28.347 ± 0.235 $\chi^2/\text{NDF}: 12508.1/18$

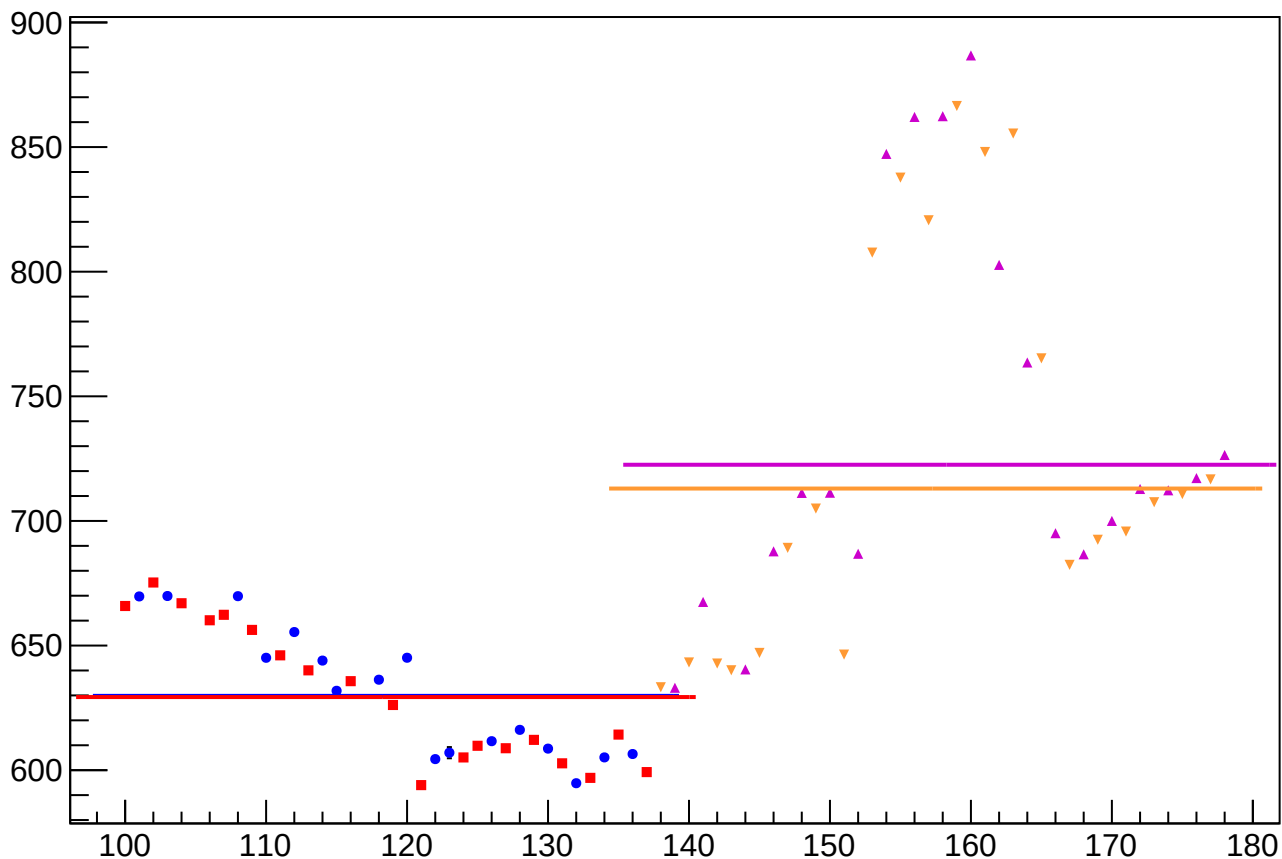
Left In: -23.992 ± 0.185 $\chi^2/\text{NDF}: 7077.7/19$

+ sign 17.728 ± 0.145 $\chi^2/\text{NDF}: 57436.2/37$

All: 6.905 ± 0.103 $\chi^2/\text{NDF}: 118805.8/76$

- 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: 712.997 $\pm$ 0.128 χ^2 /NDF:332335.6/20

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

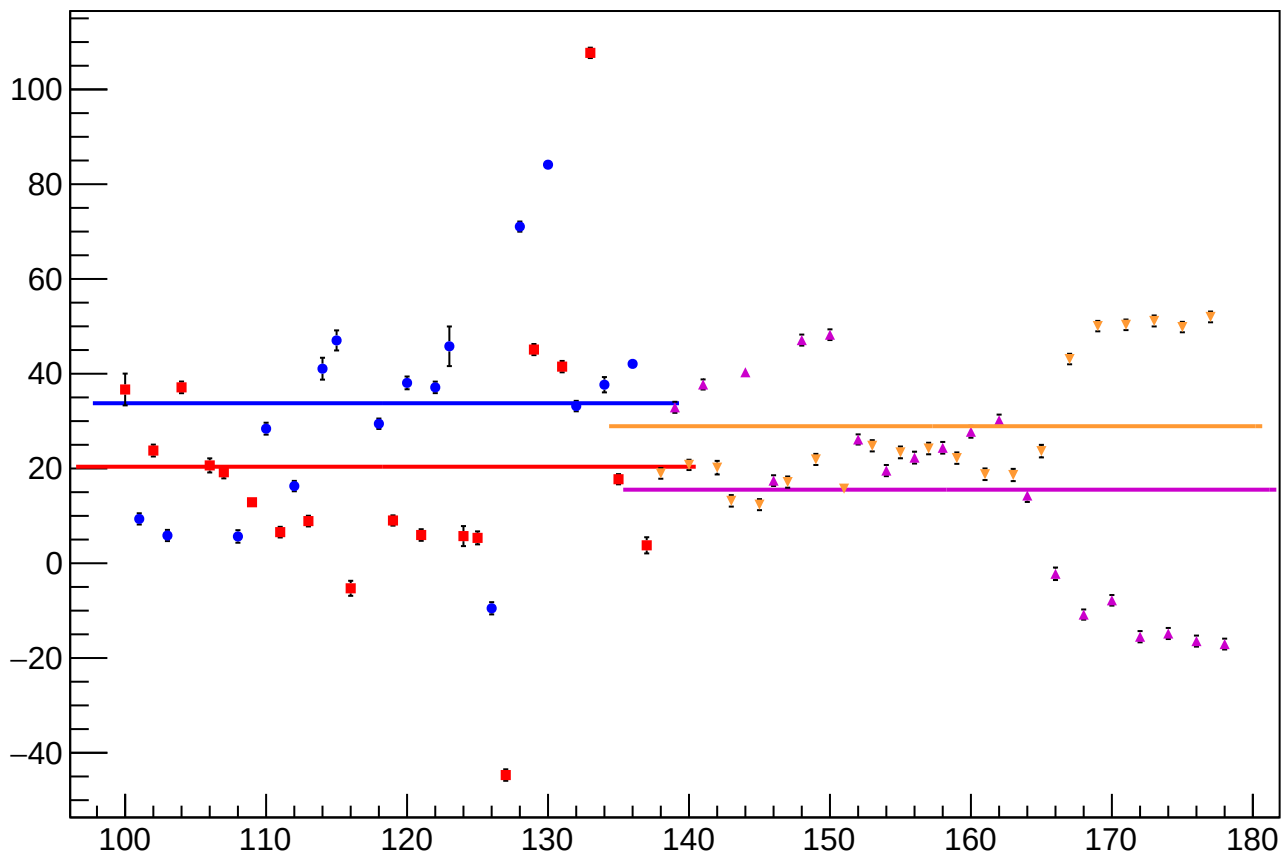
Left In: 722.543 $\pm$ 0.131 χ^2 /NDF:278321.4/19

+ sign 683.386 $\pm$ 0.102 χ^2 /NDF: 506989.4/37

All: 685.173 $\pm$ 0.073 χ^2 /NDF: 1005251.9/76

- sign 686.976 $\pm$ 0.103 χ^2 /NDF: 497650.4/38

diff_bpm1i04X_mean vs Slug



Right In: 33.773 ± 0.300 χ^2/NDF : 6487.9/16

Left Out: 28.924 ± 0.256 χ^2/NDF : 3097.6/20

Right Out: 20.375 ± 0.293 χ^2/NDF : 11287.7/18

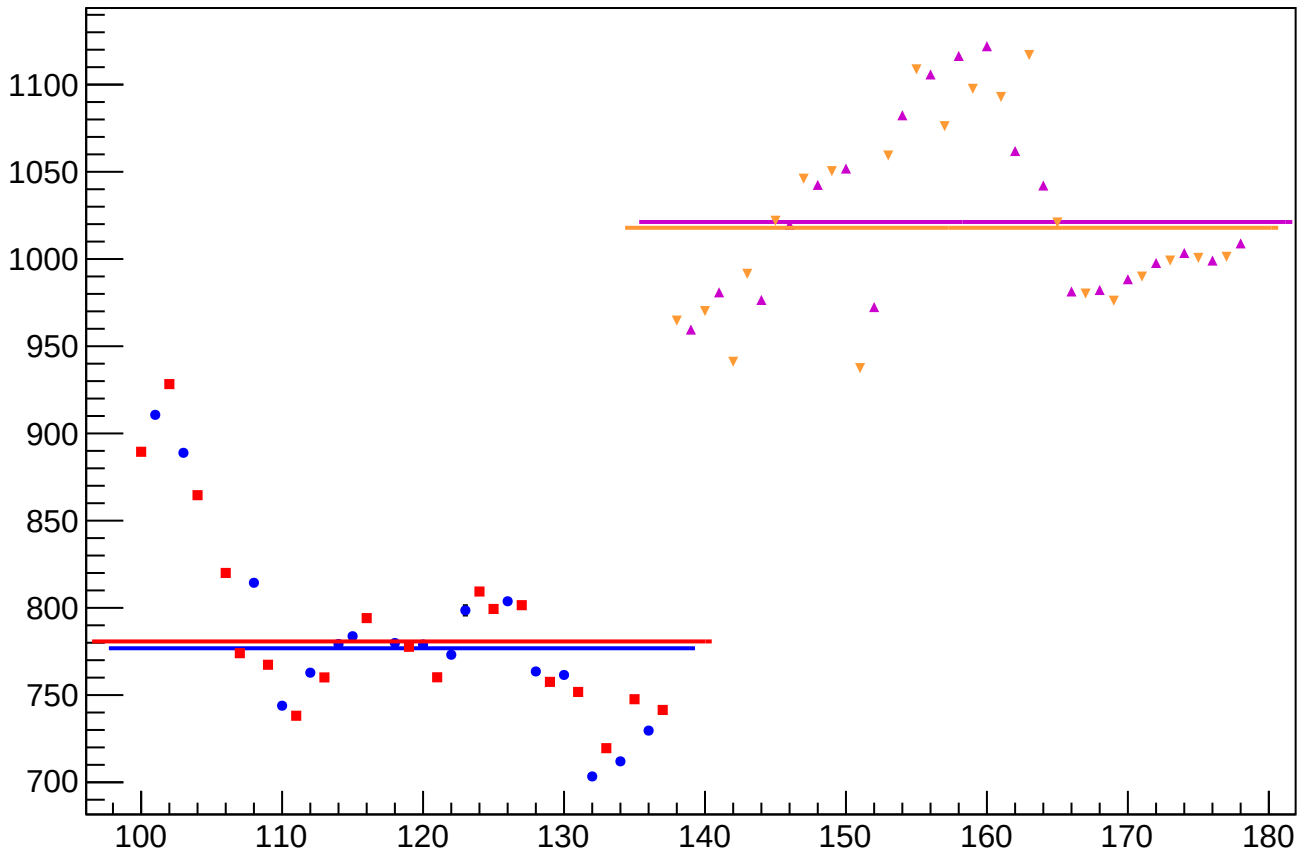
Left In: 15.527 ± 0.260 χ^2/NDF : 7359.3/19

+ sign 30.971 ± 0.195 χ^2/NDF : 9736.6/37

All: 24.308 ± 0.138 χ^2/NDF : 30870.7/76

- sign 17.670 ± 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: 1017.903 $\pm$ 0.181 χ^2 /NDF: 83022.6/20

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

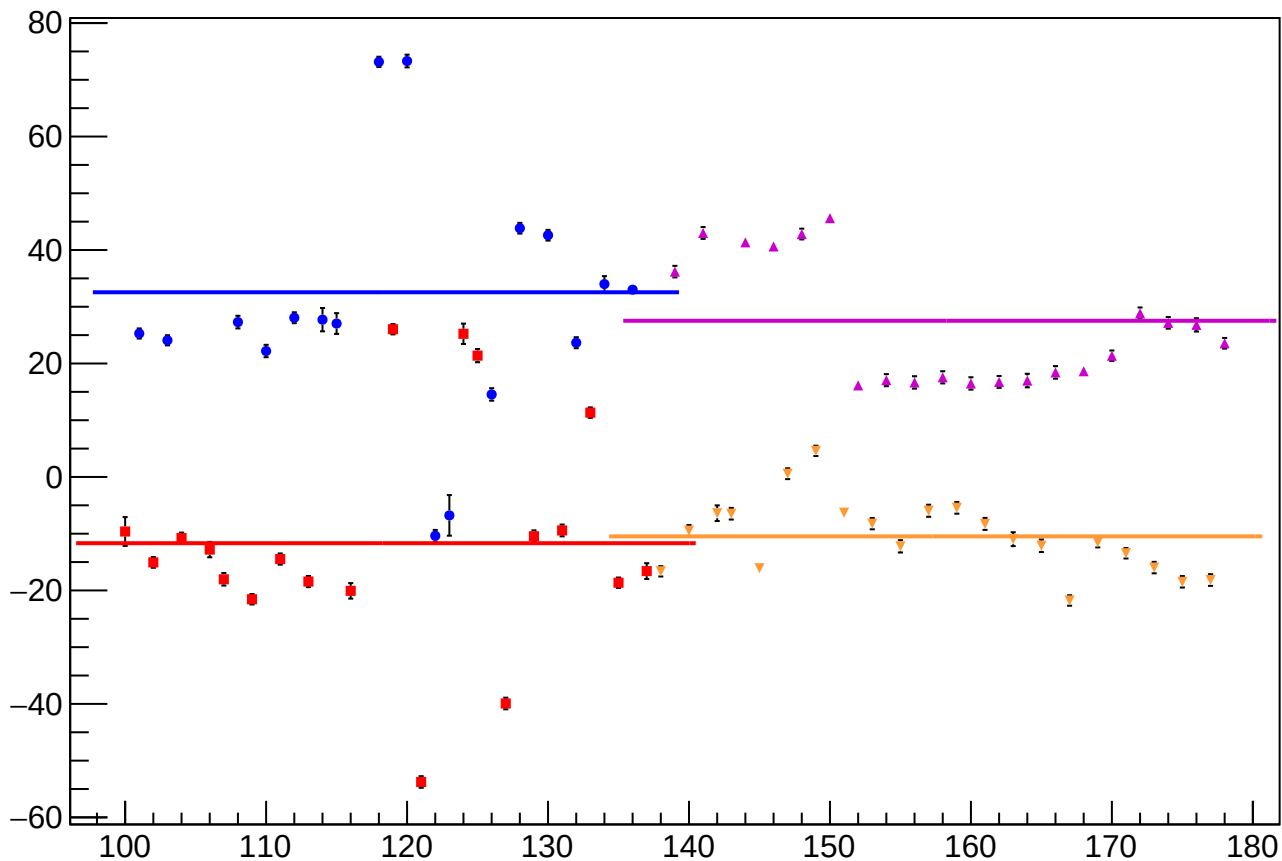
Left In: 1021.238 $\pm$ 0.184 χ^2 /NDF: 68799.2/19

+ sign 916.117 $\pm$ 0.138 χ^2 /NDF: 897151.9/37

All: 915.520 $\pm$ 0.097 χ^2 /NDF: 1777554.8/76

- 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: -10.475+/-0.217 χ^2/NDF : 911.1/20

Right Out: -11.674+/-0.247 χ^2/NDF : 6357.6/18

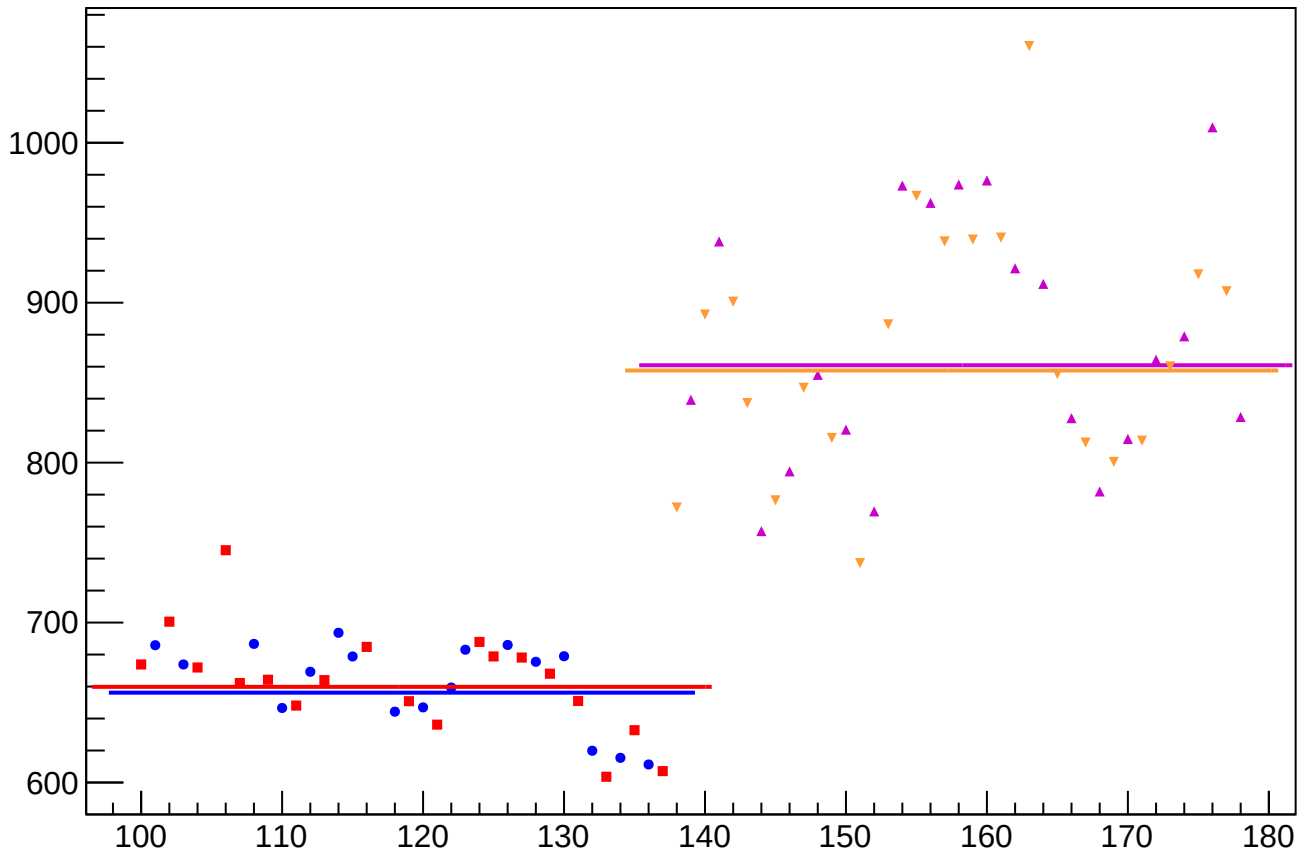
Left In: 27.529+/-0.221 χ^2/NDF : 2457.7/19

+ sign 7.767+/-0.165 χ^2/NDF : 23663.2/37

All: 8.949+/-0.116 χ^2/NDF : 46592.6/76

- sign 10.129+/-0.165 χ^2/NDF : 22826.3/38

diff_bpm1i04Y_rms vs Slug



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

Left Out: 857.605 $\pm$ 0.153 χ^2 /NDF: 229032.2/20

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

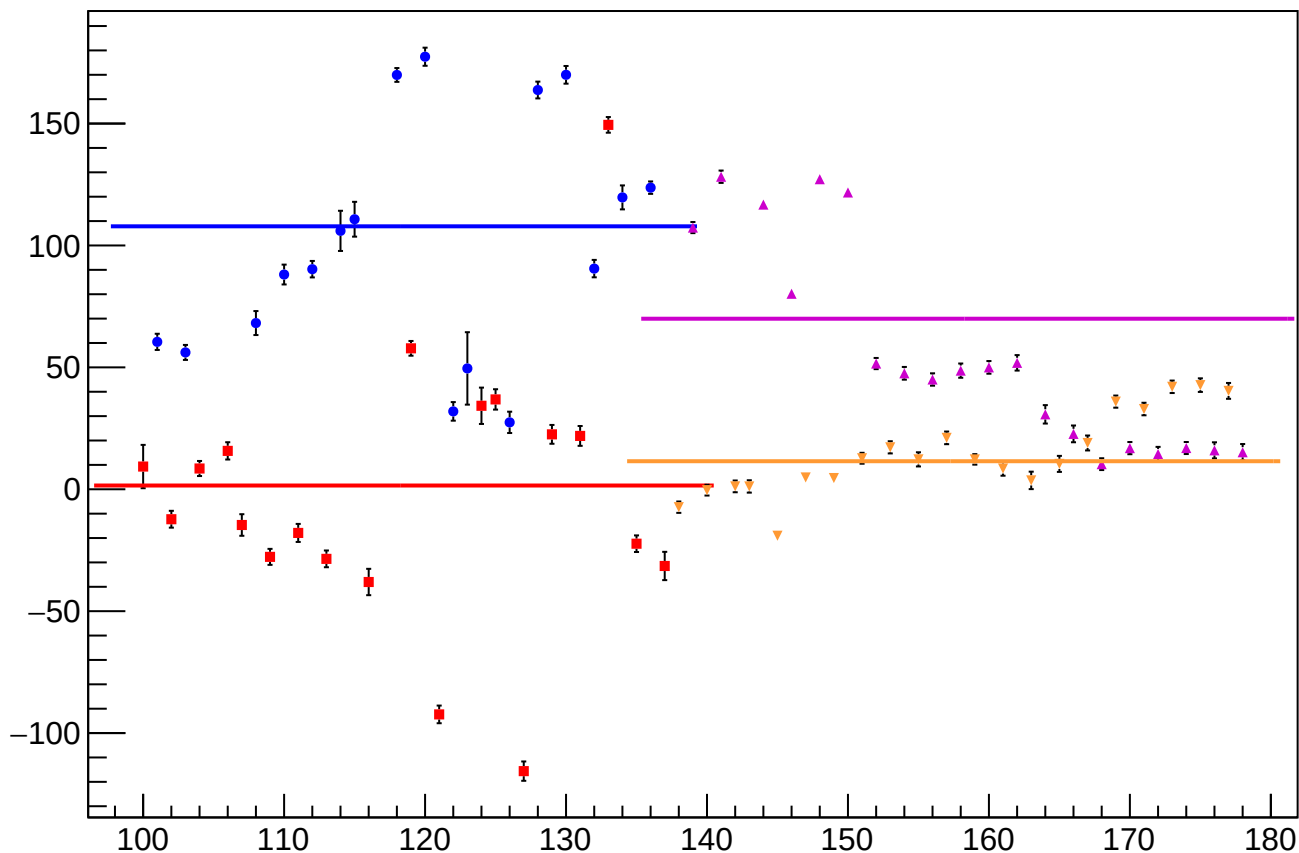
Left In: 860.893 $\pm$ 0.156 χ^2 /NDF: 234919.0/19

+ sign 772.209 $\pm$ 0.116 χ^2 /NDF: 983633.6/37

All: 771.928 $\pm$ 0.082 χ^2 /NDF: 1984132.1/76

- sign 771.647 $\pm$ 0.116 χ^2 /NDF: 1000486.8/38

diff_bpm1i06X_mean vs Slug



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

Left Out: 11.506 ± 0.532 χ^2/NDF : 929.9/20

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

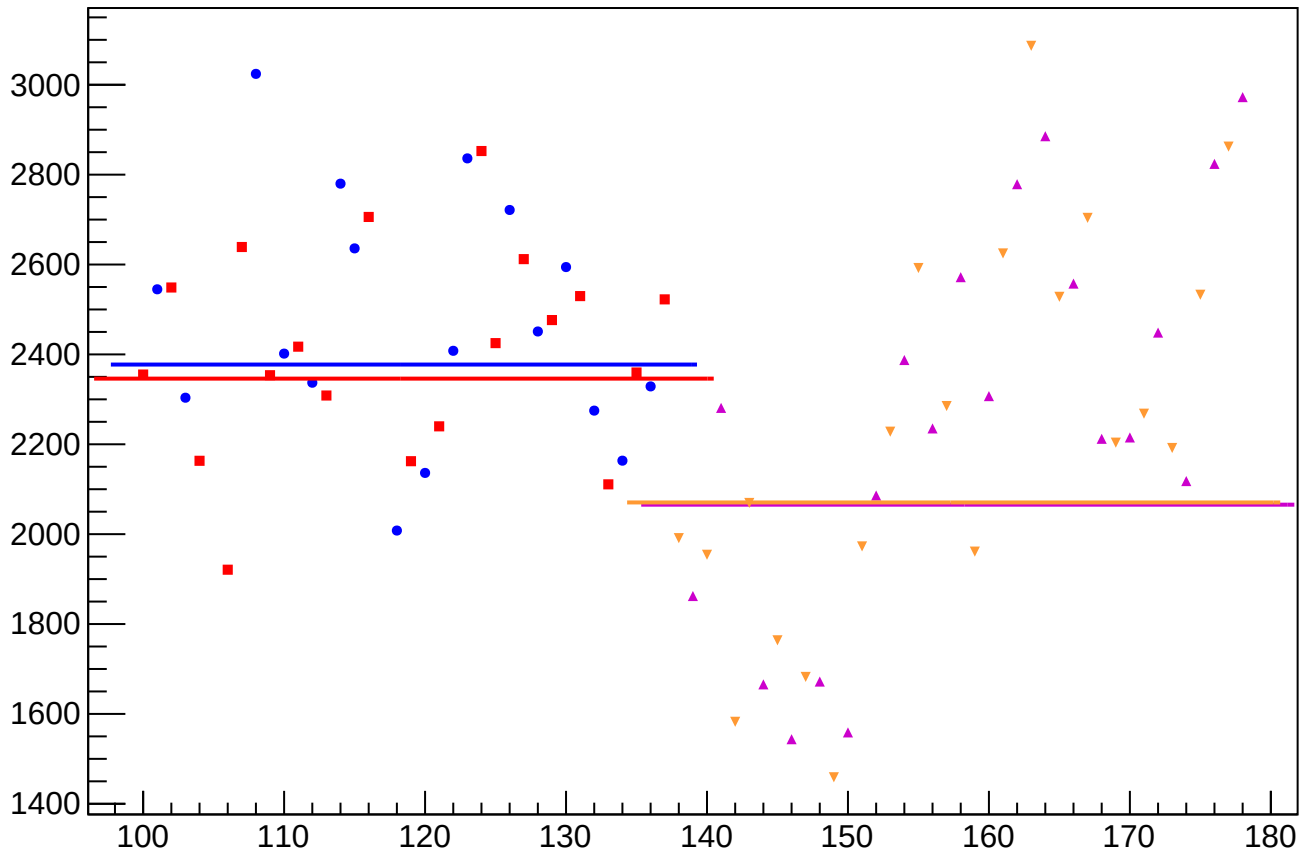
Left In: 69.952 ± 0.540 χ^2/NDF : 6443.8/19

+ sign 35.600 ± 0.461 χ^2/NDF : 11935.9/37

All: 43.470 ± 0.326 χ^2/NDF : 27852.8/76

- sign 51.338 ± 0.461 χ^2/NDF : 15333.6/38

diff_bpm1i06X_rms vs Slug



Right In: 2377.423 ± 0.652 $\chi^2/\text{NDF}: 119648.6/16$

Left Out: 2070.574 ± 0.376 $\chi^2/\text{NDF}: 1145441.9/20$

Right Out: 2346.121 ± 0.625 $\chi^2/\text{NDF}: 108257.3/18$

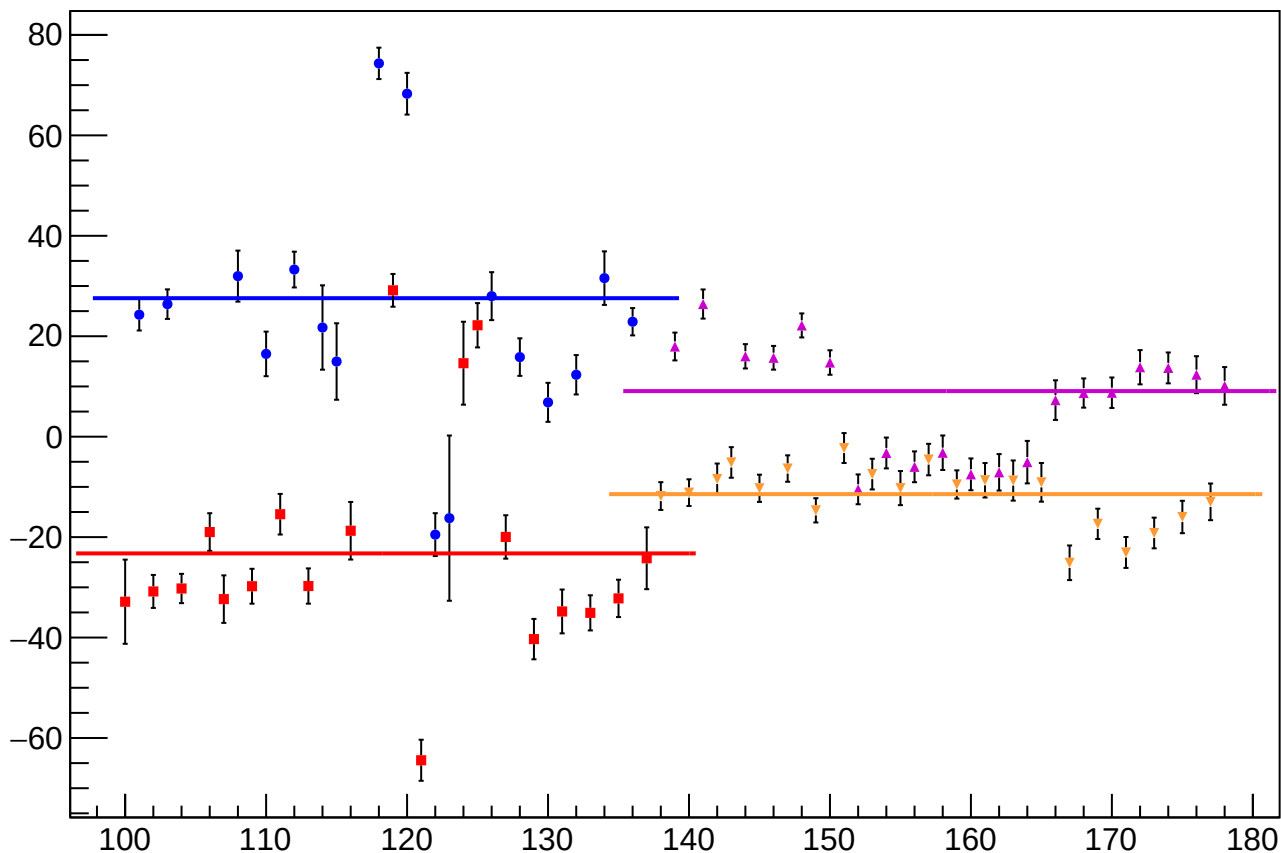
Left In: 2065.605 ± 0.382 $\chi^2/\text{NDF}: 1235350.8/19$

+ sign 2147.310 ± 0.326 $\chi^2/\text{NDF}: 1431382.3/37$

All: 2144.620 ± 0.230 $\chi^2/\text{NDF}: 2921949.2/70$

- sign 2141.932 ± 0.326 $\chi^2/\text{NDF}: 1490430.7/38$

diff_bpm1i06Y_mean vs Slug



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

Left Out: -11.443 ± 0.664 χ^2/NDF : 71.5/20

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

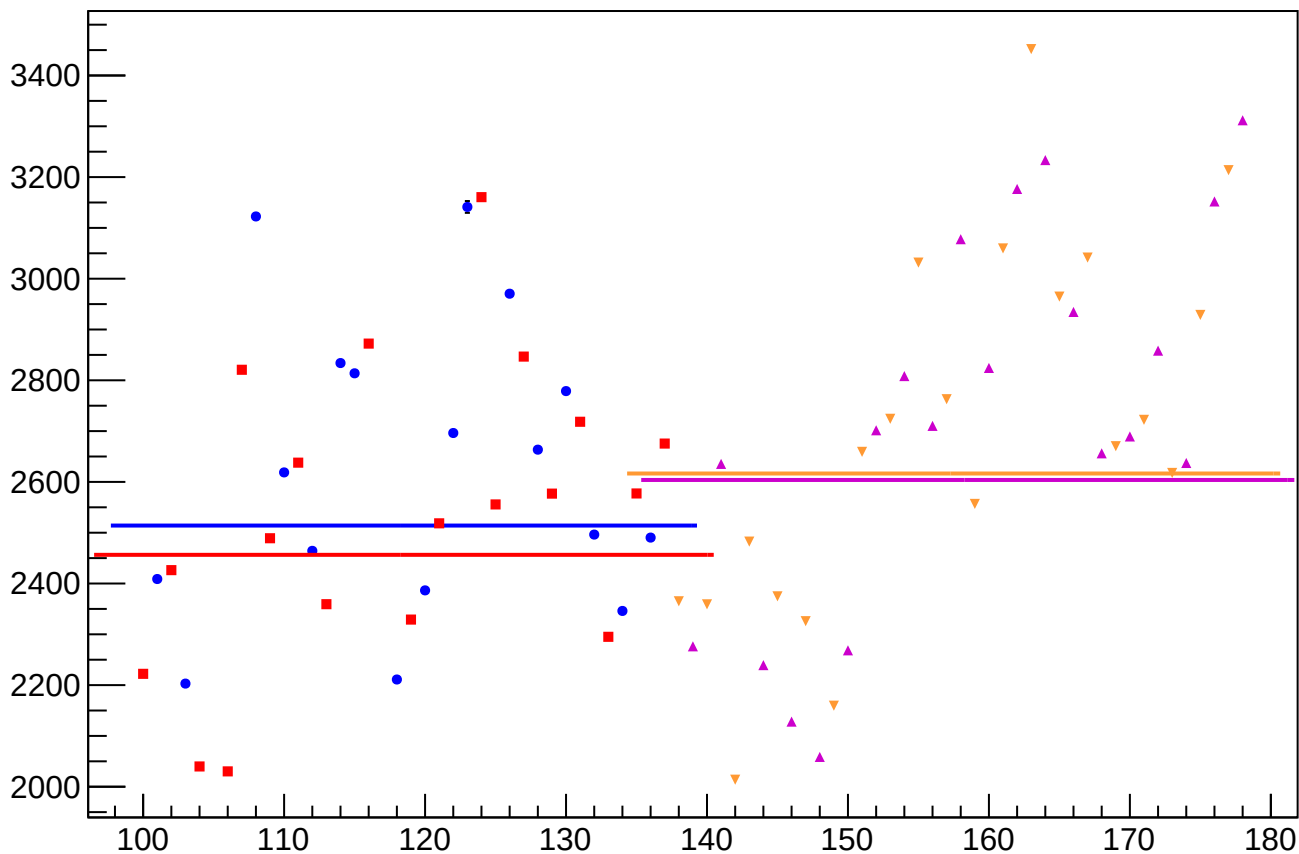
Left In: 9.078 ± 0.673 χ^2/NDF : 257.5/19

+ sign 0.933 ± 0.549 χ^2/NDF : 1685.2/37

All: -0.580 ± 0.387 χ^2/NDF : 3312.0/76

- sign -2.068 ± 0.544 χ^2/NDF : 1611.8/38

diff_bpm1i06Y_rms vs Slug



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

Left Out: 2616.539 $\pm$ 0.470 χ^2 /NDF: 508632.8/20

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

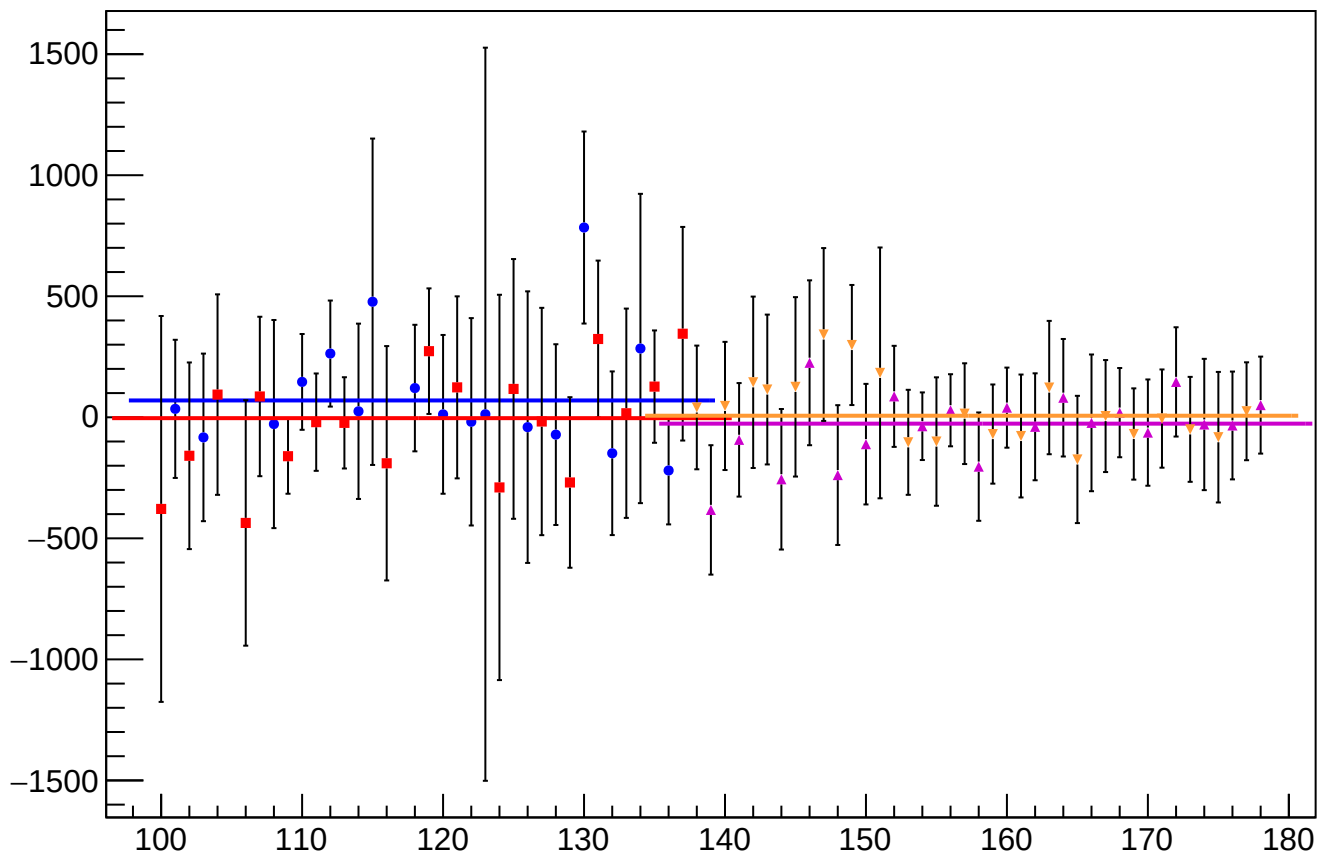
Left In: 2603.825 $\pm$ 0.476 χ^2 /NDF: 594833.2/19

+ sign 2584.044 $\pm$ 0.388 χ^2 /NDF: 644679.9/37

All: 2568.394 $\pm$ 0.273 χ^2 /NDF: 1425582.1/70

- sign 2553.003 $\pm$ 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: 6.484 +/- 54.288 χ^2/NDF : 4.5/20

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

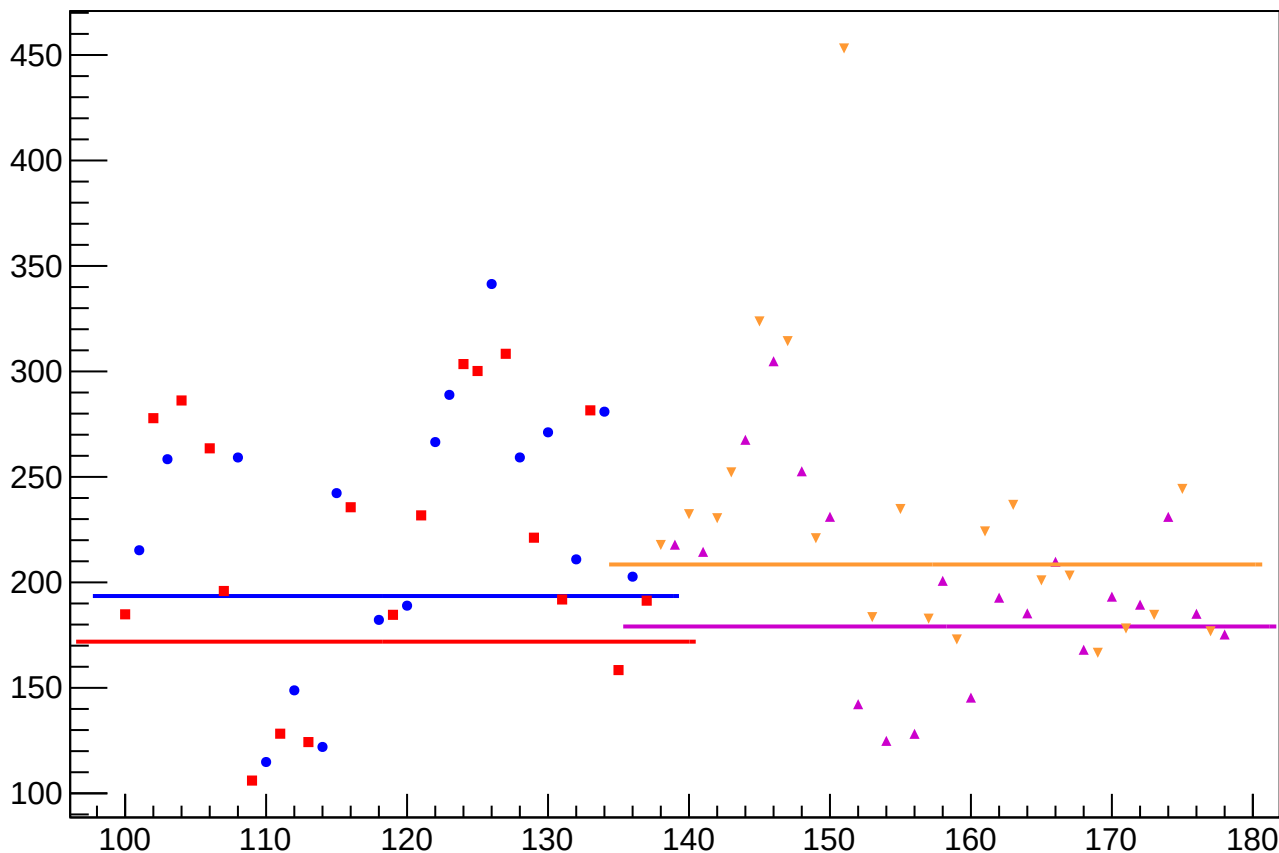
Left In: -26.261 +/- 47.938 χ^2/NDF : 5.9/19

+ sign 26.716 +/- 44.746 χ^2/NDF : 12.2/37

All: 1.043 +/- 29.633 χ^2/NDF : 25.2/76

- 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: 208.490 $\pm$ 0.038 χ^2 /NDF:1306739.7/20

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

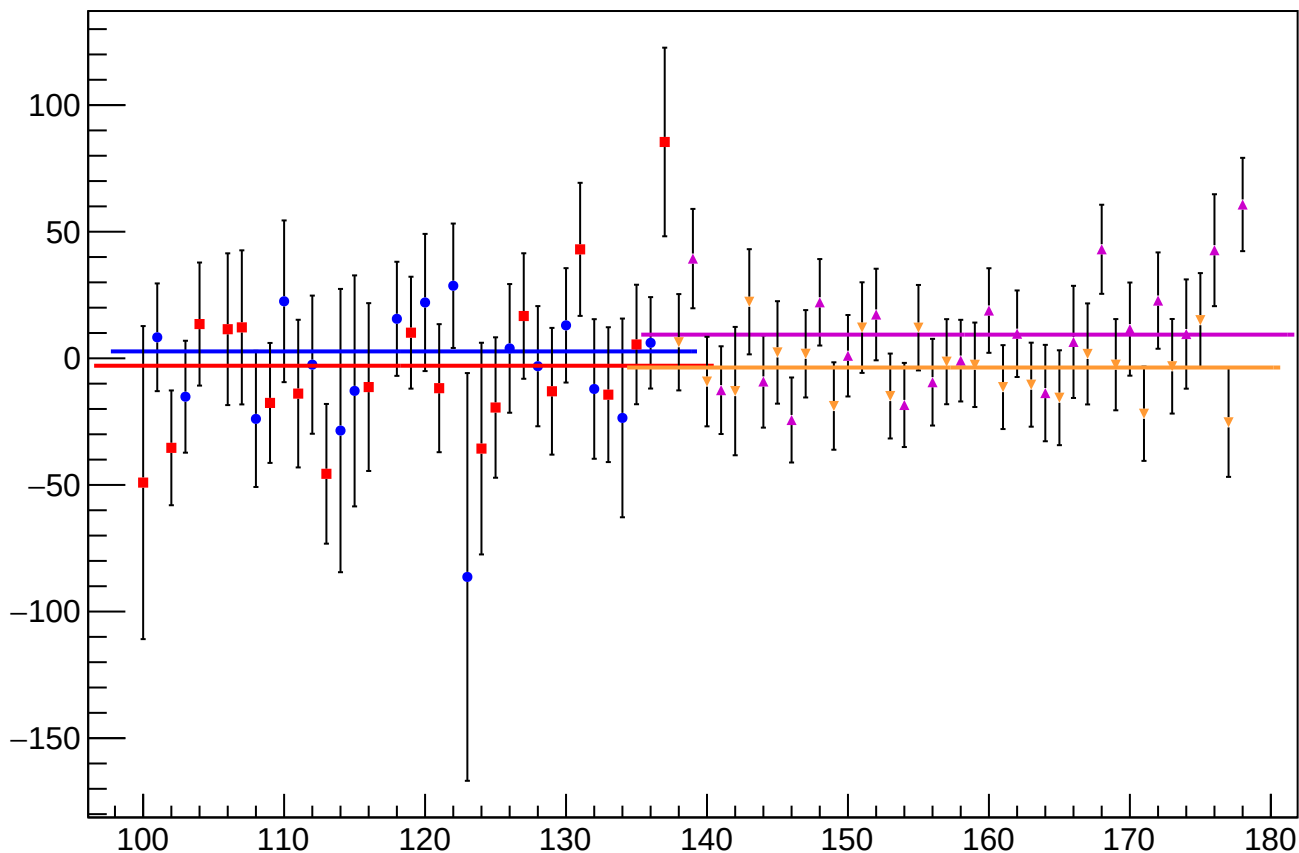
Left In: 179.094 $\pm$ 0.034 χ^2 /NDF:1590211.2/19

+ sign 203.694 $\pm$ 0.032 χ^2 /NDF: 2365844.4/37

All: 188.593 $\pm$ 0.021 χ^2 /NDF: 5953056.0/76

- 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 $\chi^2/\text{NDF}: 6.8/16$

Left Out: -3.629 ± 3.989 $\chi^2/\text{NDF}: 9.0/20$

Right Out: -2.928 ± 6.279 $\chi^2/\text{NDF}: 17.8/18$

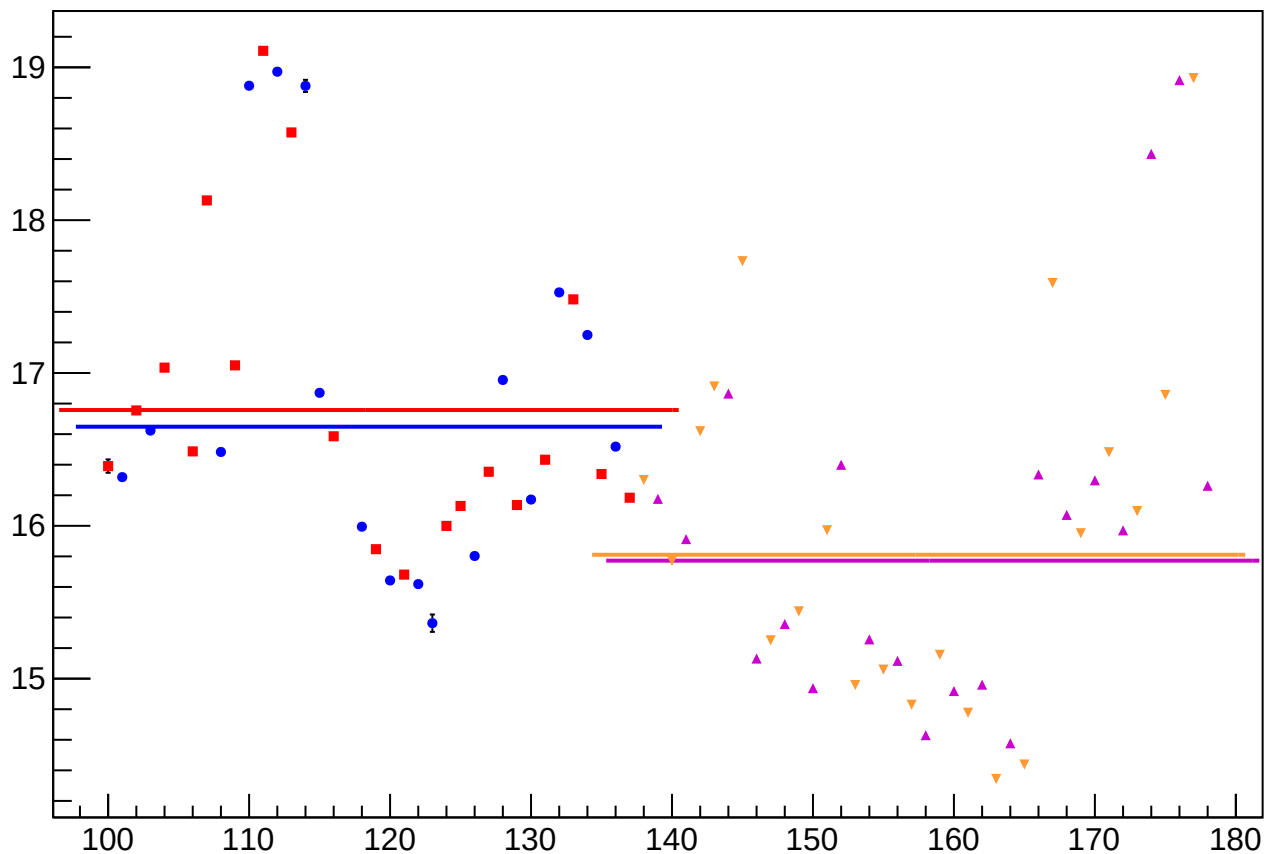
Left In: 9.353 ± 4.028 $\chi^2/\text{NDF}: 30.5/19$

+ sign -1.859 ± 3.389 $\chi^2/\text{NDF}: 16.5/37$

All: 1.955 ± 2.397 $\chi^2/\text{NDF}: 70.0/76$

- sign 5.772 ± 3.390 $\chi^2/\text{NDF}: 50.9/38$

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: 15.811 $\pm$ 0.003 χ^2 /NDF:150746.8/20

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

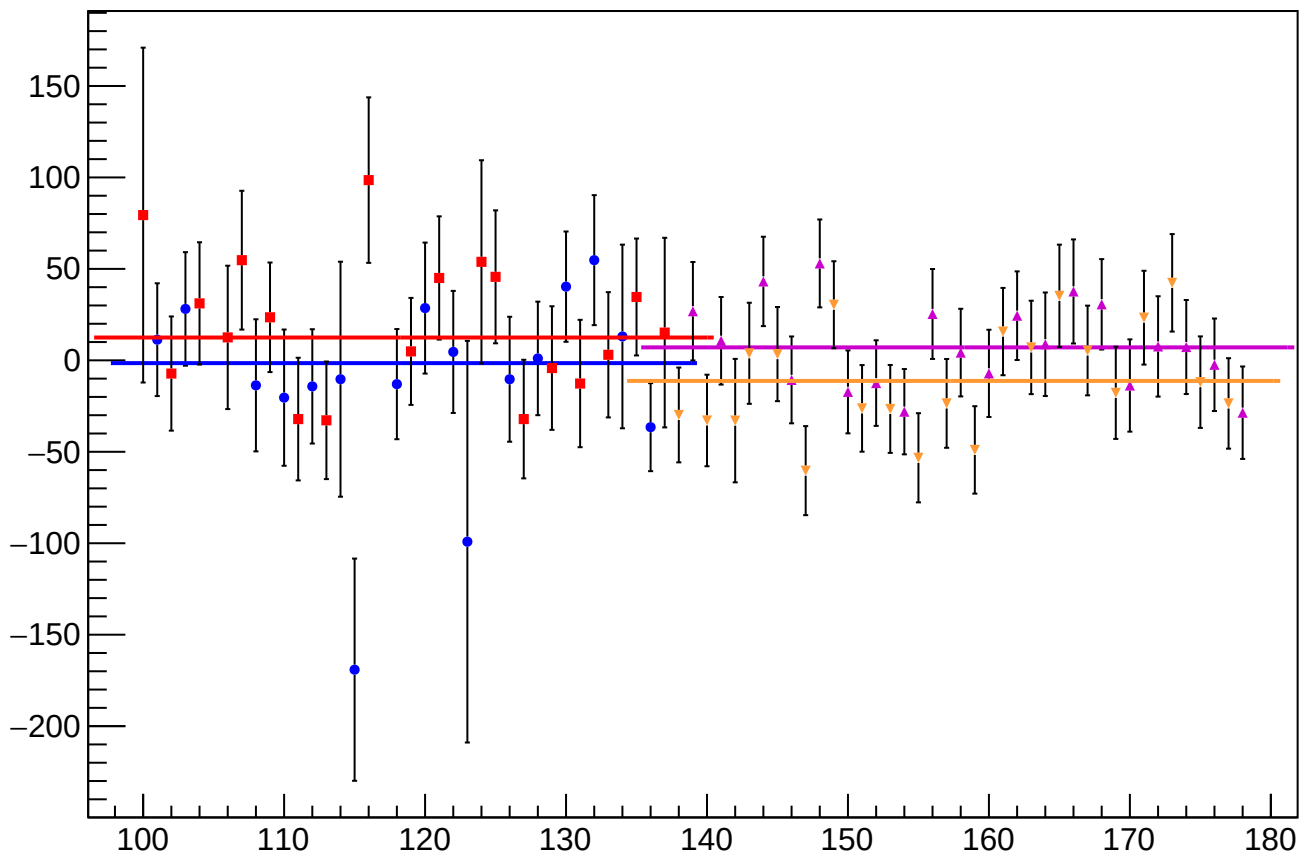
Left In: 15.772 $\pm$ 0.003 χ^2 /NDF:128624.0/19

+ sign 16.044 $\pm$ 0.002 χ^2 /NDF: 217866.2/37

All: 16.052 $\pm$ 0.002 χ^2 /NDF: 421373.7/76

- 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: -11.259 ± 5.517 χ^2/NDF : 27.2/20

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

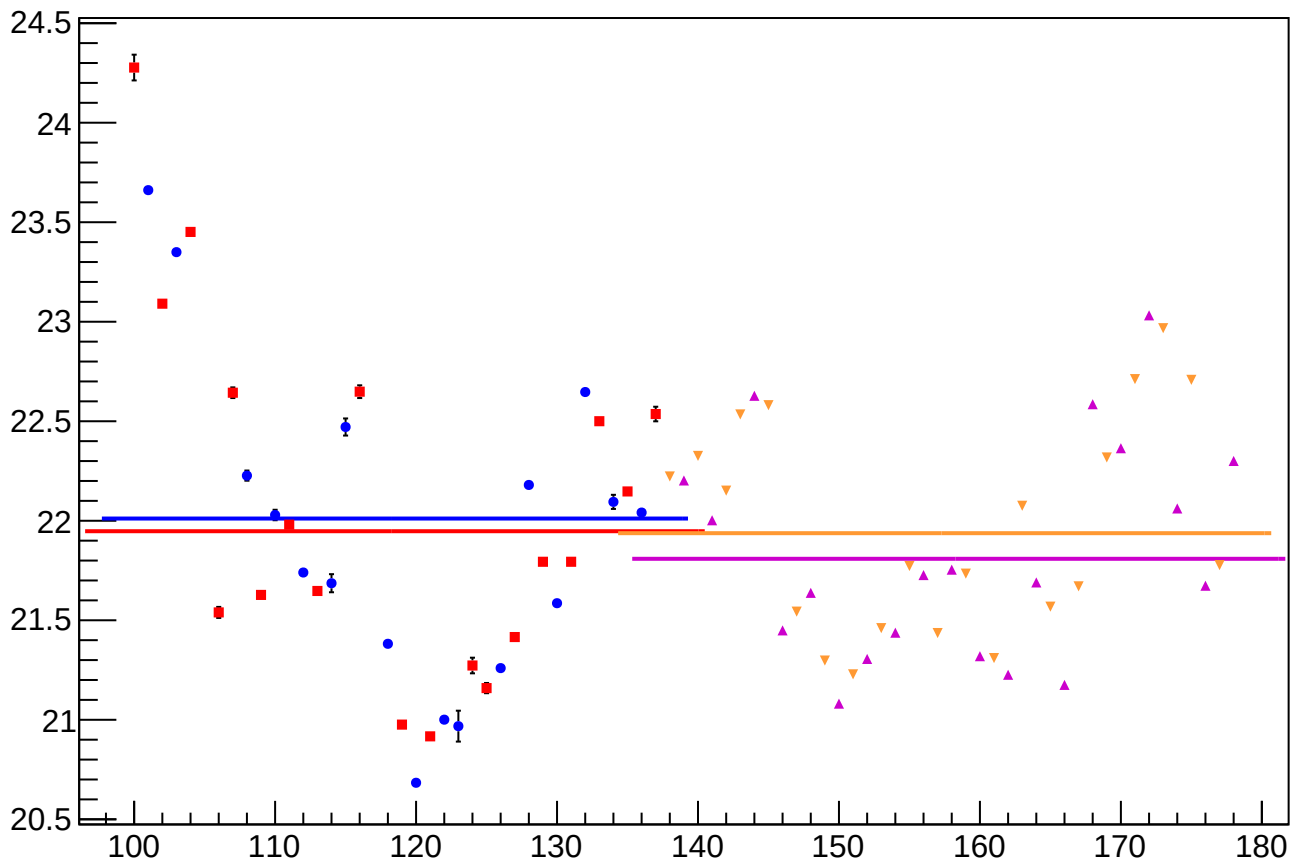
Left In: 7.084 ± 5.552 χ^2/NDF : 17.4/19

+ sign -8.366 ± 4.626 χ^2/NDF : 45.7/37

All: 0.254 ± 3.261 χ^2/NDF : 85.9/76

- 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 ± 0.006 $\chi^2/\text{NDF}: 17546.9/16$

Left Out: 21.938 ± 0.004 $\chi^2/\text{NDF}: 17902.6/20$

Right Out: 21.947 ± 0.006 $\chi^2/\text{NDF}: 16592.7/18$

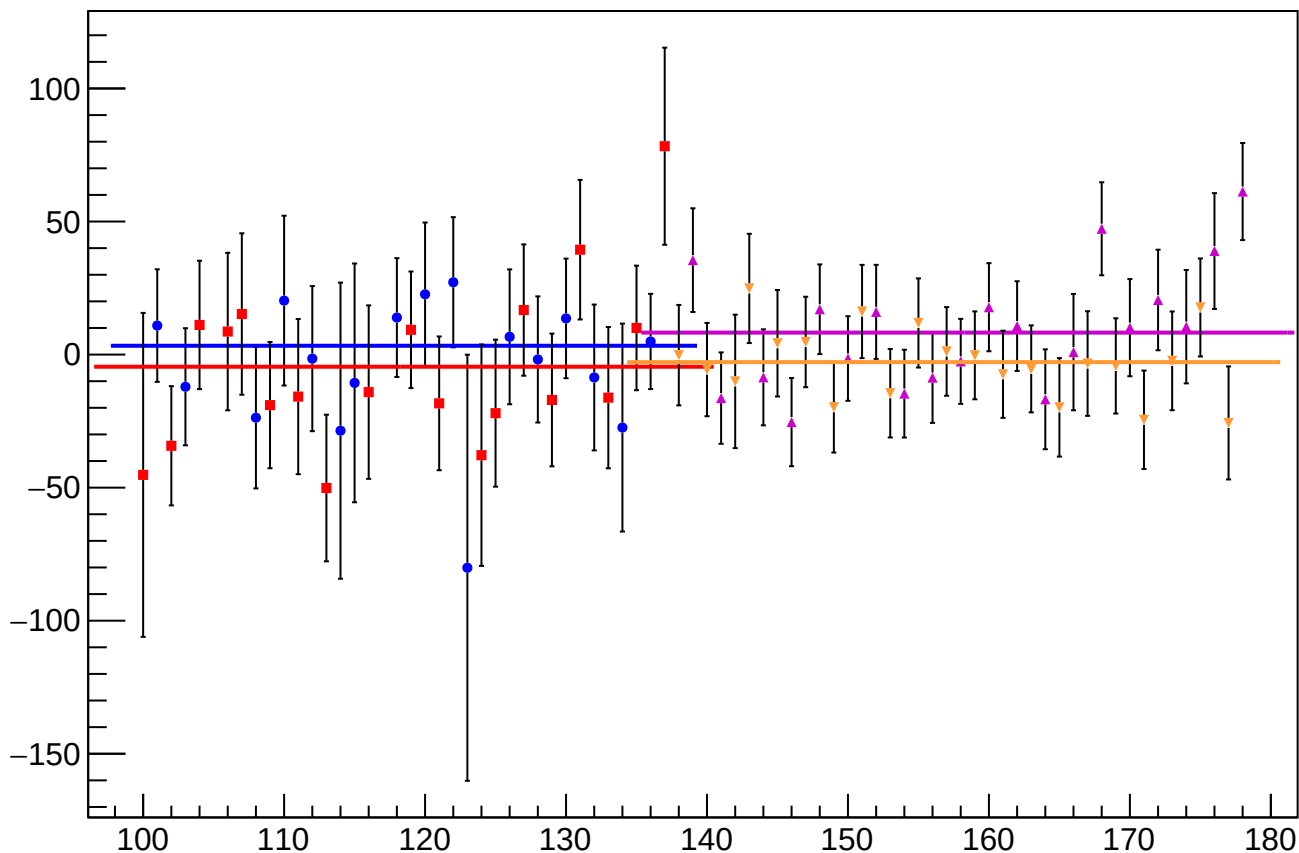
Left In: 21.809 ± 0.004 $\chi^2/\text{NDF}: 17845.2/19$

+ sign 21.959 ± 0.003 $\chi^2/\text{NDF}: 35555.2/37$

All: 21.906 ± 0.002 $\chi^2/\text{NDF}: 70923.4/76$

- sign 21.852 ± 0.003 $\chi^2/\text{NDF}: 34829.0/38$

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: -2.829 ± 3.946 χ^2/NDF : 10.5/20

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

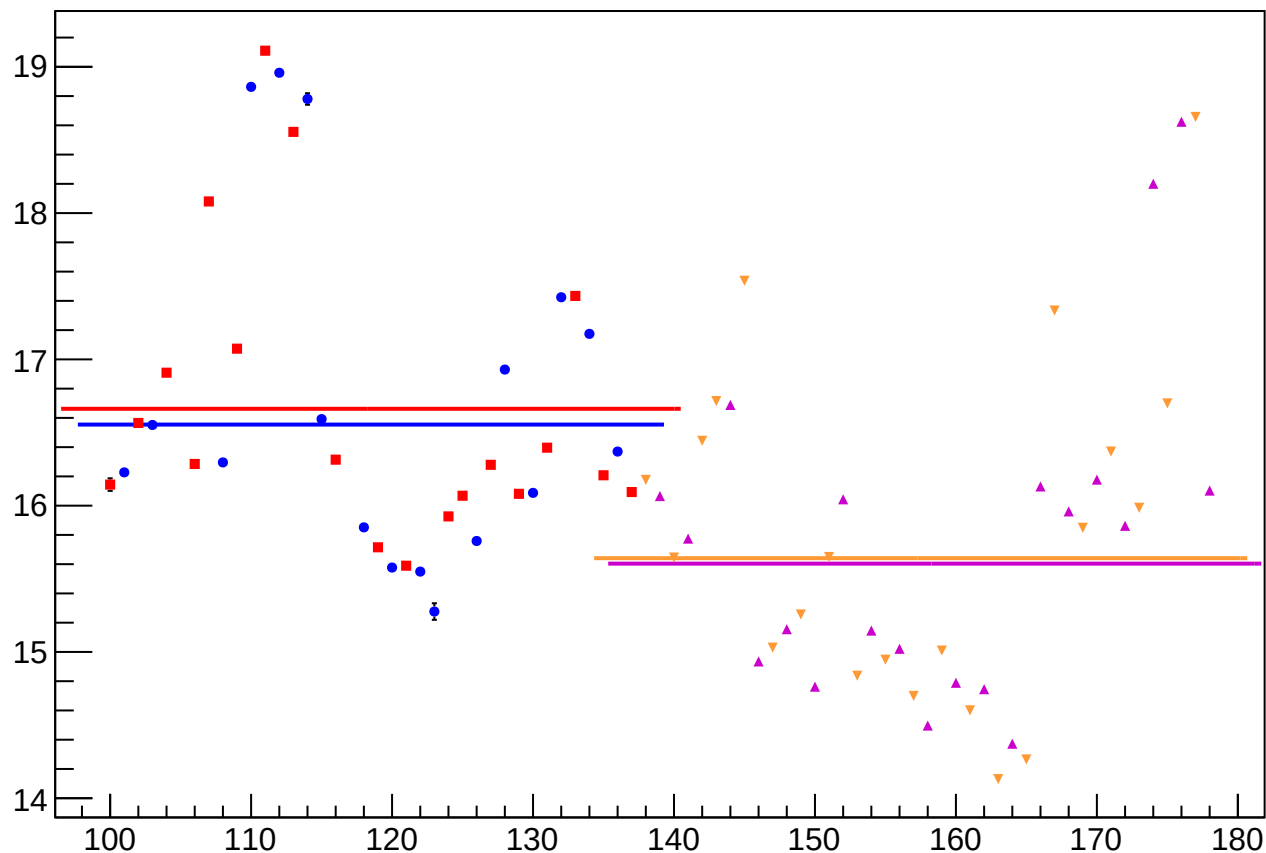
Left In: 8.260 ± 3.985 χ^2/NDF : 31.3/19

+ sign -1.132 ± 3.357 χ^2/NDF : 17.4/37

All: 1.707 ± 2.374 χ^2/NDF : 70.9/76

- 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: 15.641 $\pm$ 0.003 χ^2 /NDF:150237.4/20

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

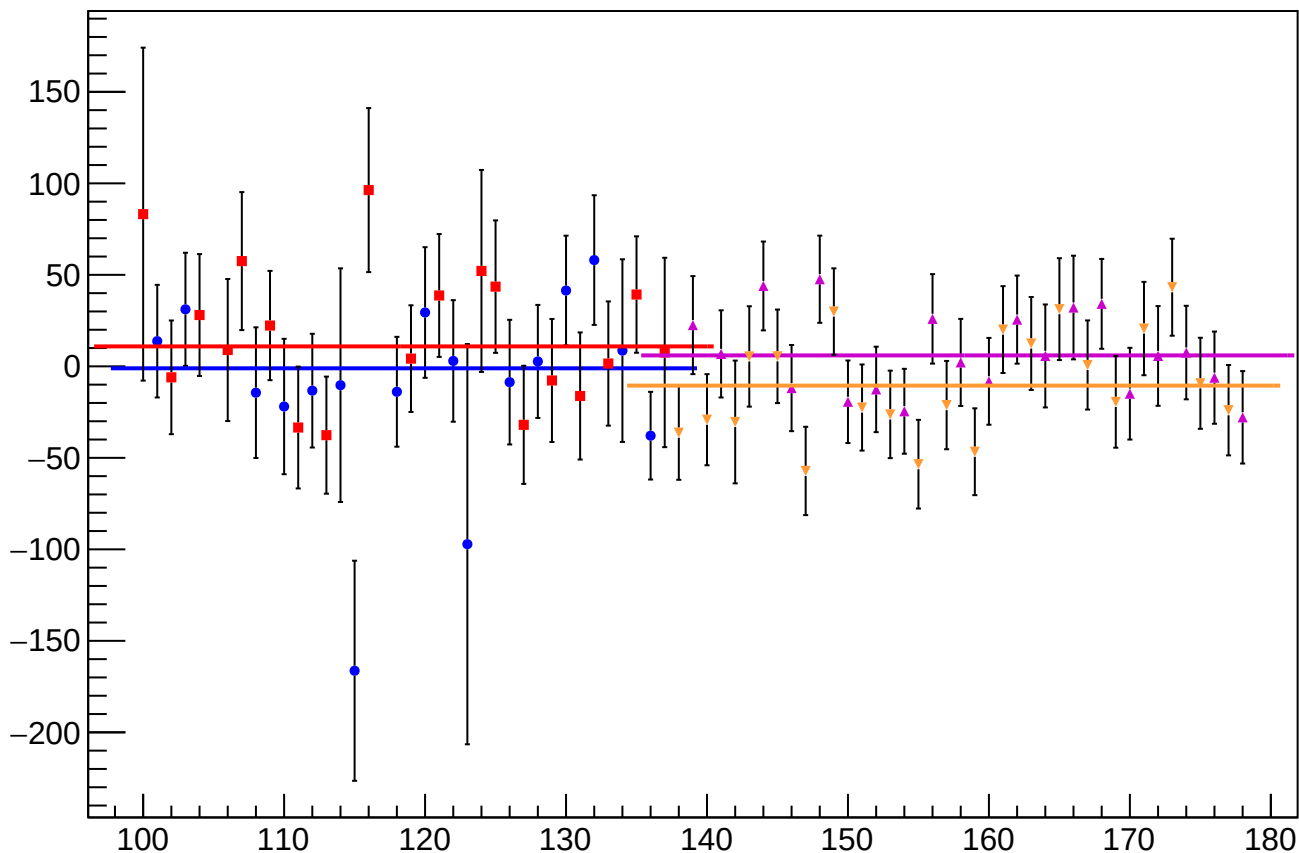
Left In: 15.604 $\pm$ 0.003 χ^2 /NDF:126330.9/19

+ sign 15.893 $\pm$ 0.002 χ^2 /NDF: 224306.5/37

All: 15.902 $\pm$ 0.002 χ^2 /NDF: 434578.0/76

- 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: -10.521 ± 5.484 χ^2/NDF : 26.6/20

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

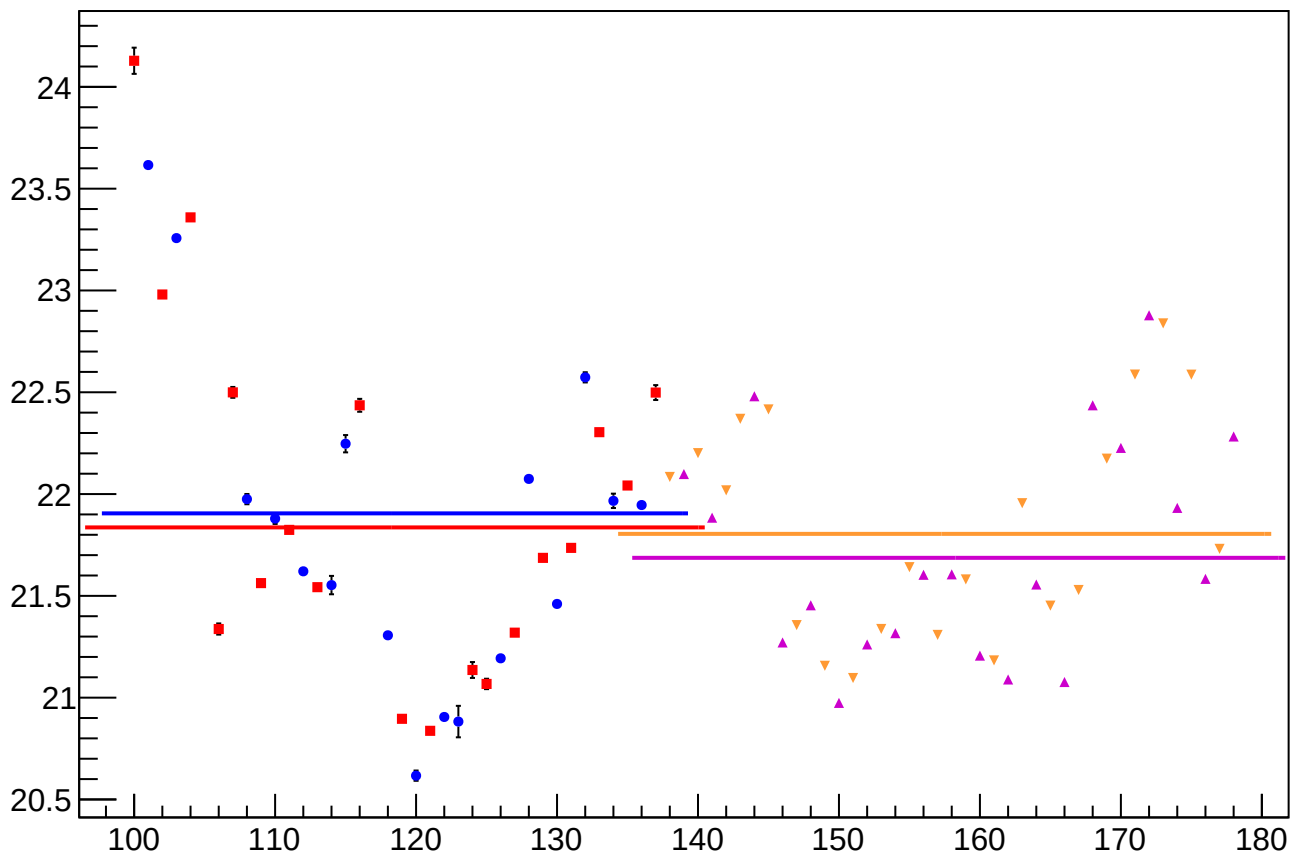
Left In: 5.983 ± 5.521 χ^2/NDF : 16.7/19

+ sign -7.717 ± 4.599 χ^2/NDF : 46.0/37

All: -0.055 ± 3.243 χ^2/NDF : 84.7/76

- 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: 21.804 $\pm$ 0.004 χ^2 /NDF: 18078.2/20

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

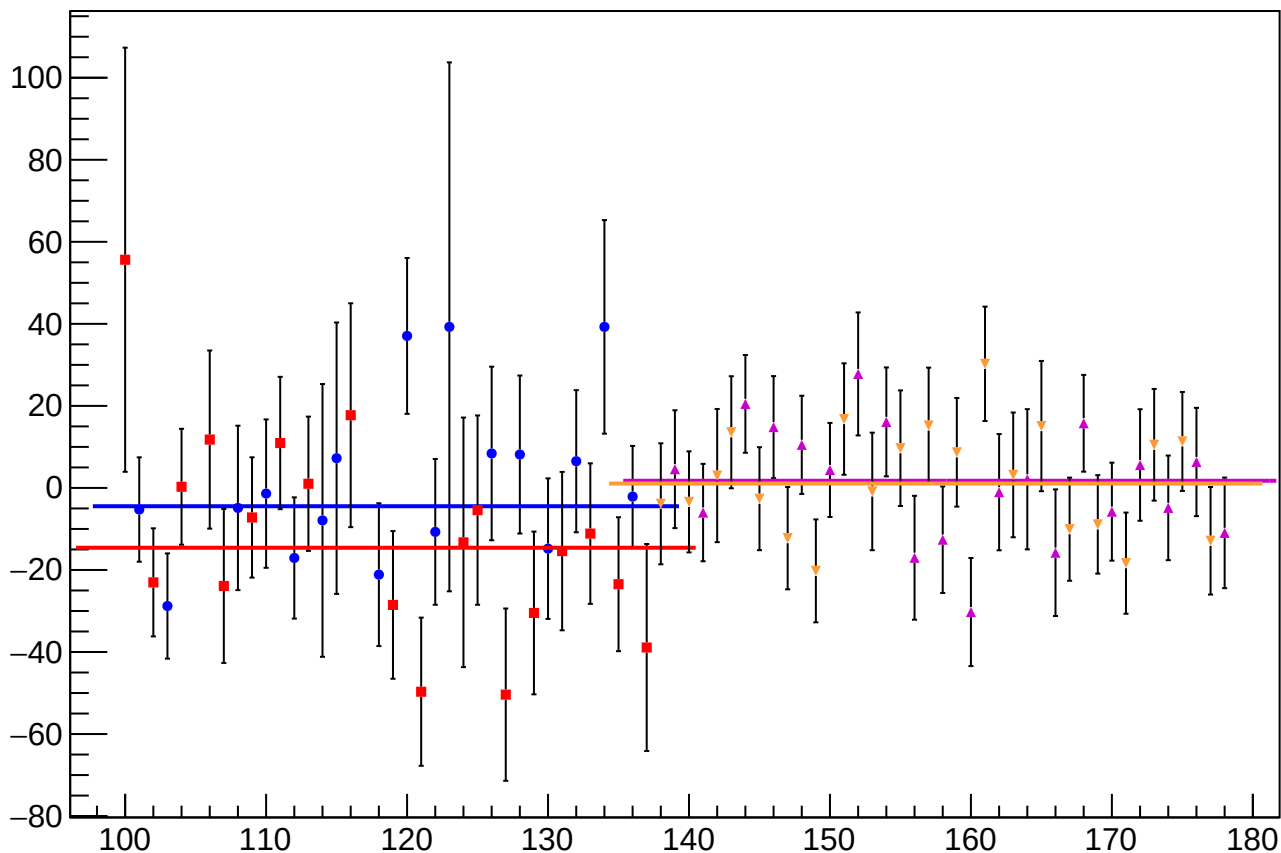
Left In: 21.687 $\pm$ 0.004 χ^2 /NDF: 17744.5/19

+ sign 21.834 $\pm$ 0.003 χ^2 /NDF: 36072.4/37

All: 21.784 $\pm$ 0.002 χ^2 /NDF: 71009.3/76

- 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 $\pm$ 4.329 χ^2/NDF : 15.2/16

Left Out: 1.069 $\pm$ 2.925 χ^2/NDF : 19.7/20

Right Out: -14.579 $\pm$ 4.264 χ^2/NDF : 19.5/18

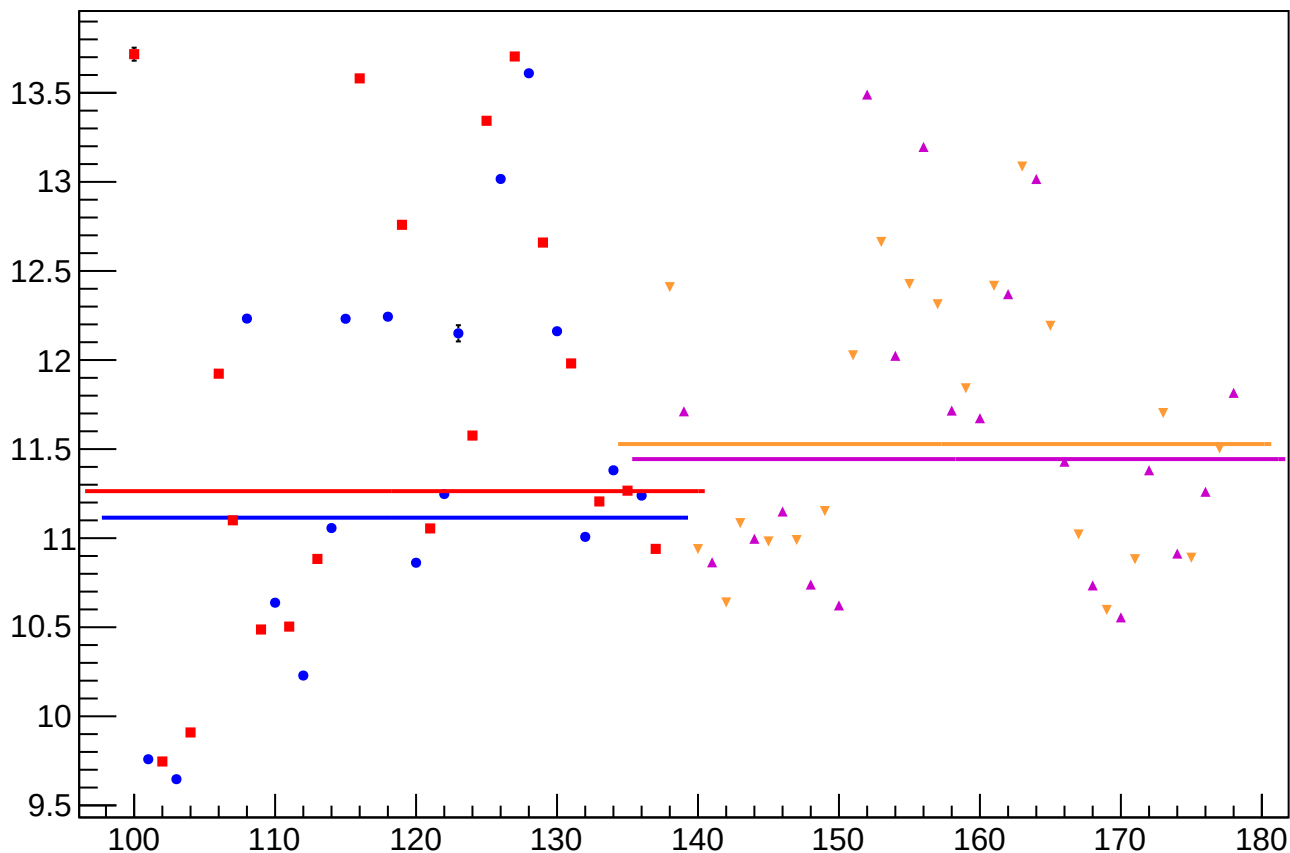
Left In: 1.750 $\pm$ 2.938 χ^2/NDF : 22.0/19

+ sign -0.664 $\pm$ 2.423 χ^2/NDF : 36.1/37

All: -2.088 $\pm$ 1.712 χ^2/NDF : 88.2/76

- sign -3.508 $\pm$ 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: 11.528 $\pm$ 0.002 χ^2 /NDF: 119131.8/20

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

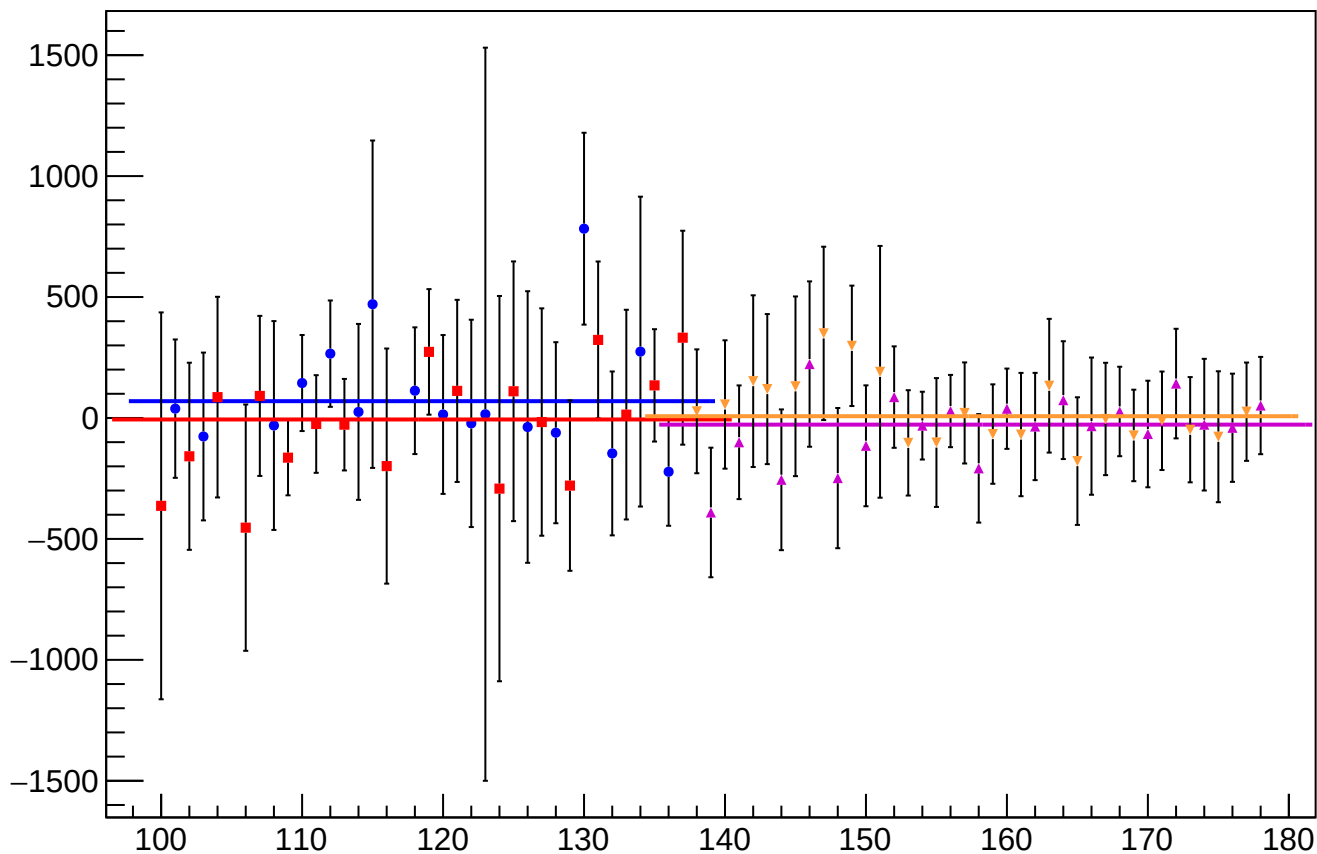
Left In: 11.444 $\pm$ 0.002 χ^2 /NDF: 145248.9/19

+ sign 11.399 $\pm$ 0.002 χ^2 /NDF: 264705.7/37

All: 11.392 $\pm$ 0.001 χ^2 /NDF: 559879.6/76

- 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 ± 79.231 χ^2/NDF : 7.3/16

Left Out: 7.277 ± 54.485 χ^2/NDF : 4.6/20

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

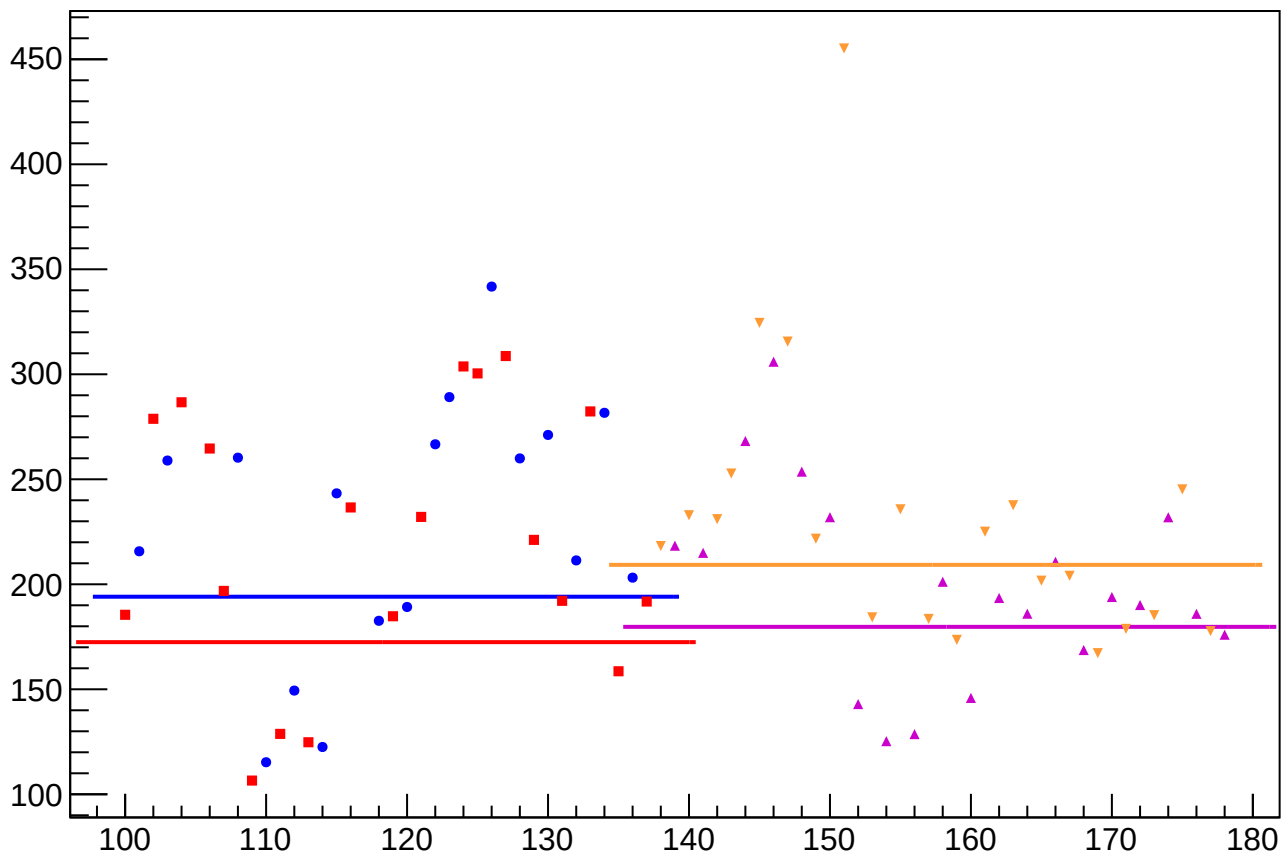
Left In: -27.544 ± 48.107 χ^2/NDF : 6.0/19

+ sign 27.245 ± 44.894 χ^2/NDF : 12.2/37

All: 0.317 ± 29.731 χ^2/NDF : 25.5/76

- sign -20.719 ± 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: 209.252 $\pm$ 0.039 χ^2 /NDF:1304813.0/20

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

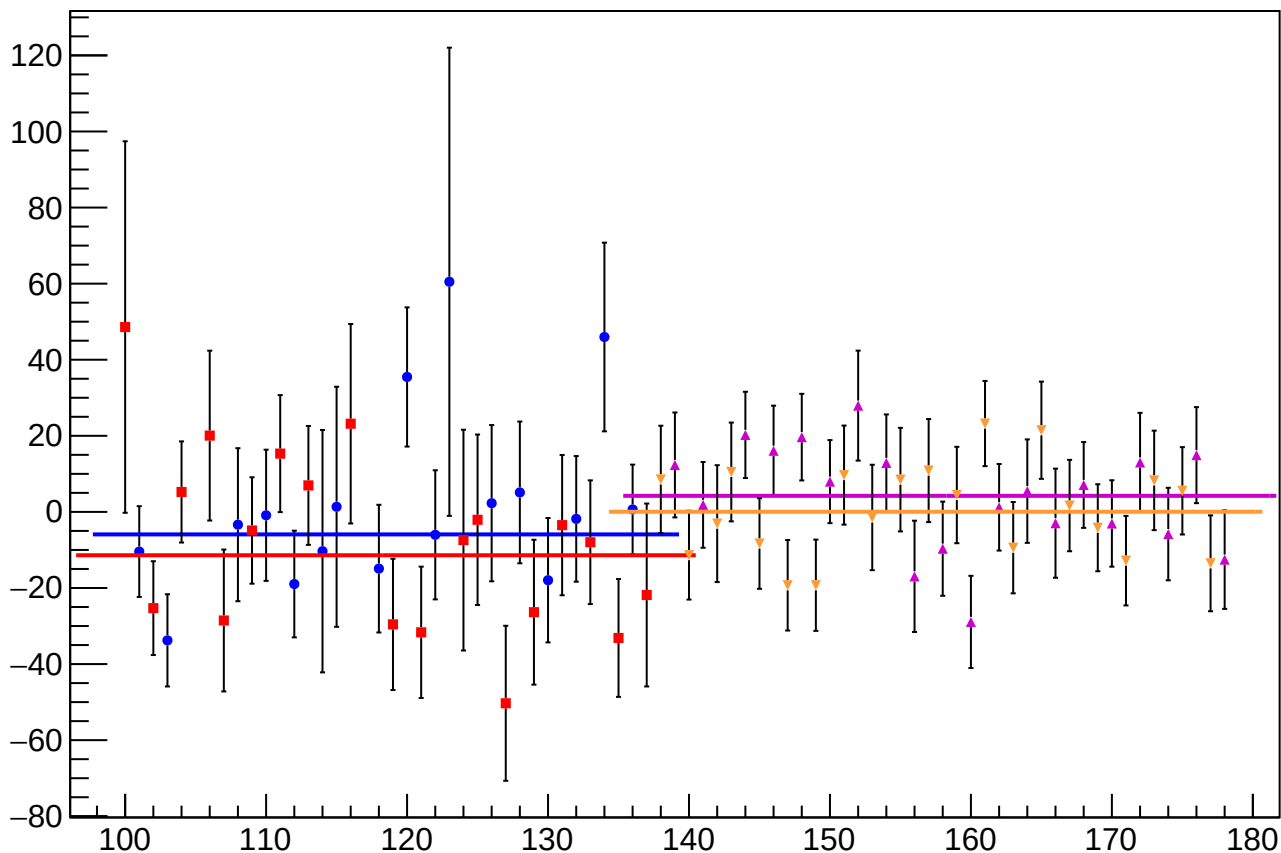
Left In: 179.732 $\pm$ 0.034 χ^2 /NDF:1588504.8/19

+ sign 204.381 $\pm$ 0.032 χ^2 /NDF: 2359987.8/37

All: 189.236 $\pm$ 0.021 χ^2 /NDF: 5938010.9/76

- 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: 0.044 ± 2.728 χ^2/NDF : 20.3/20

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

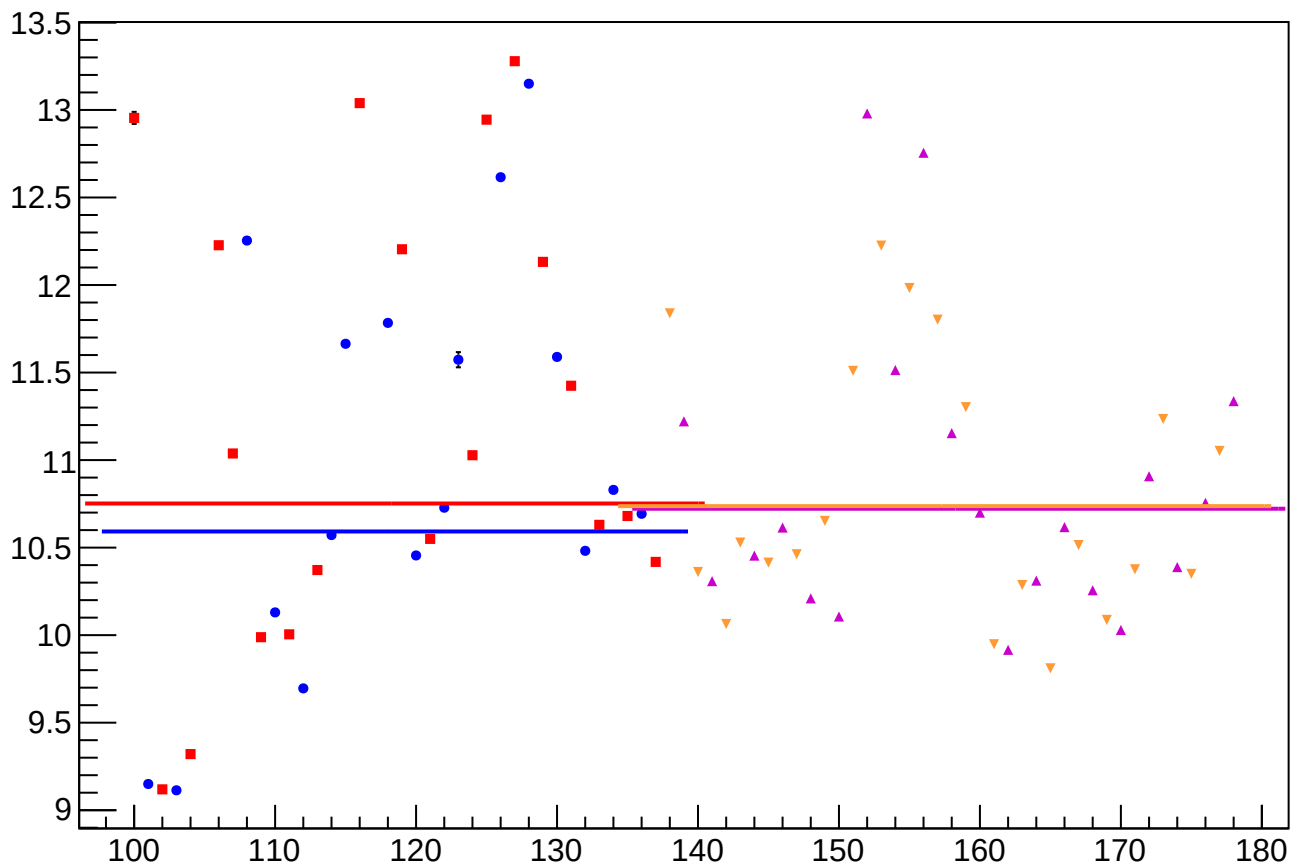
Left In: 4.224 ± 2.757 χ^2/NDF : 23.7/19

+ sign -1.764 ± 2.277 χ^2/NDF : 40.6/37

All: -1.220 ± 1.613 χ^2/NDF : 97.3/76

- 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: 10.737 $\pm$ 0.002 χ^2 /NDF:123182.5/20

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 176895.3/18

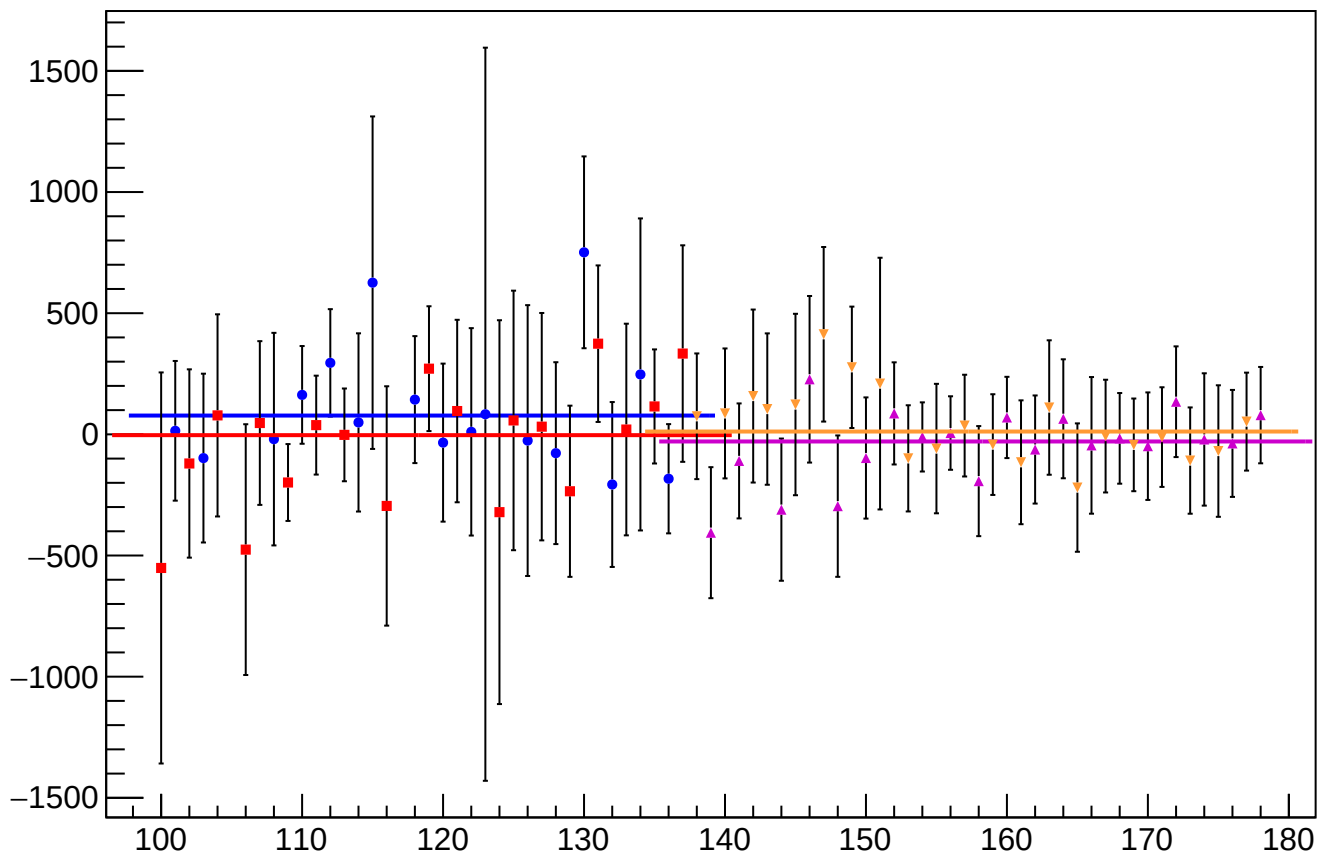
Left In: 10.722 $\pm$ 0.002 χ^2 /NDF:143906.0/19

+ sign 10.693 $\pm$ 0.002 χ^2 /NDF: 285288.0/37

All: 10.712 $\pm$ 0.001 χ^2 /NDF: 606447.3/76

- 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: 11.678 $\pm$ 54.807 χ^2 /NDF: 5.1/20

Right Out: -3.305 $\pm$ 70.855 χ^2 /NDF: 7.4/18

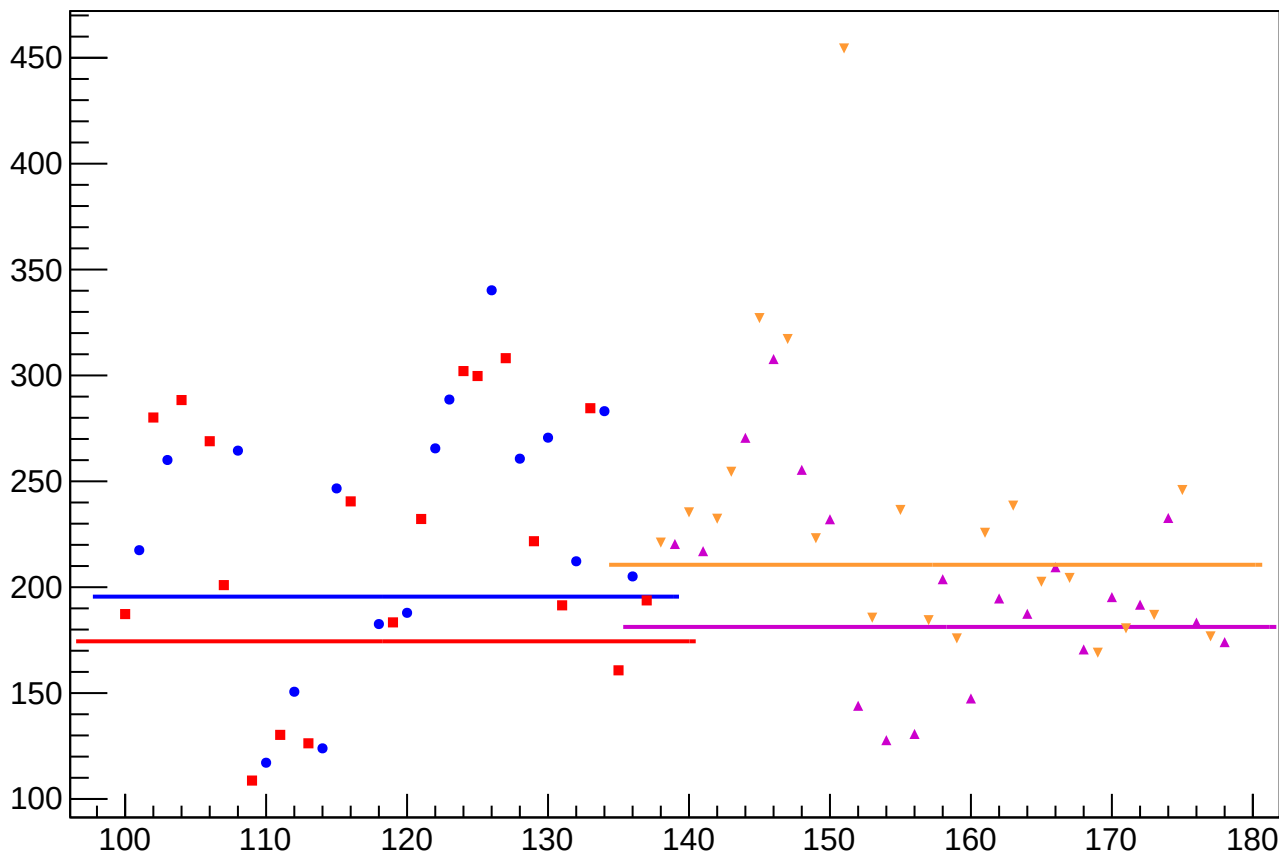
Left In: -29.379 $\pm$ 48.459 χ^2 /NDF: 6.7/19

+ sign 32.821 $\pm$ 45.169 χ^2 /NDF: 13.1/37

All: 2.617 $\pm$ 29.945 χ^2 /NDF: 28.0/76

- 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: 210.591 $\pm$ 0.039 χ^2 /NDF:1294191.5/20

Right Out: 174.449 $\pm$ 0.050 χ^2 /NDF: 1528629.1/18

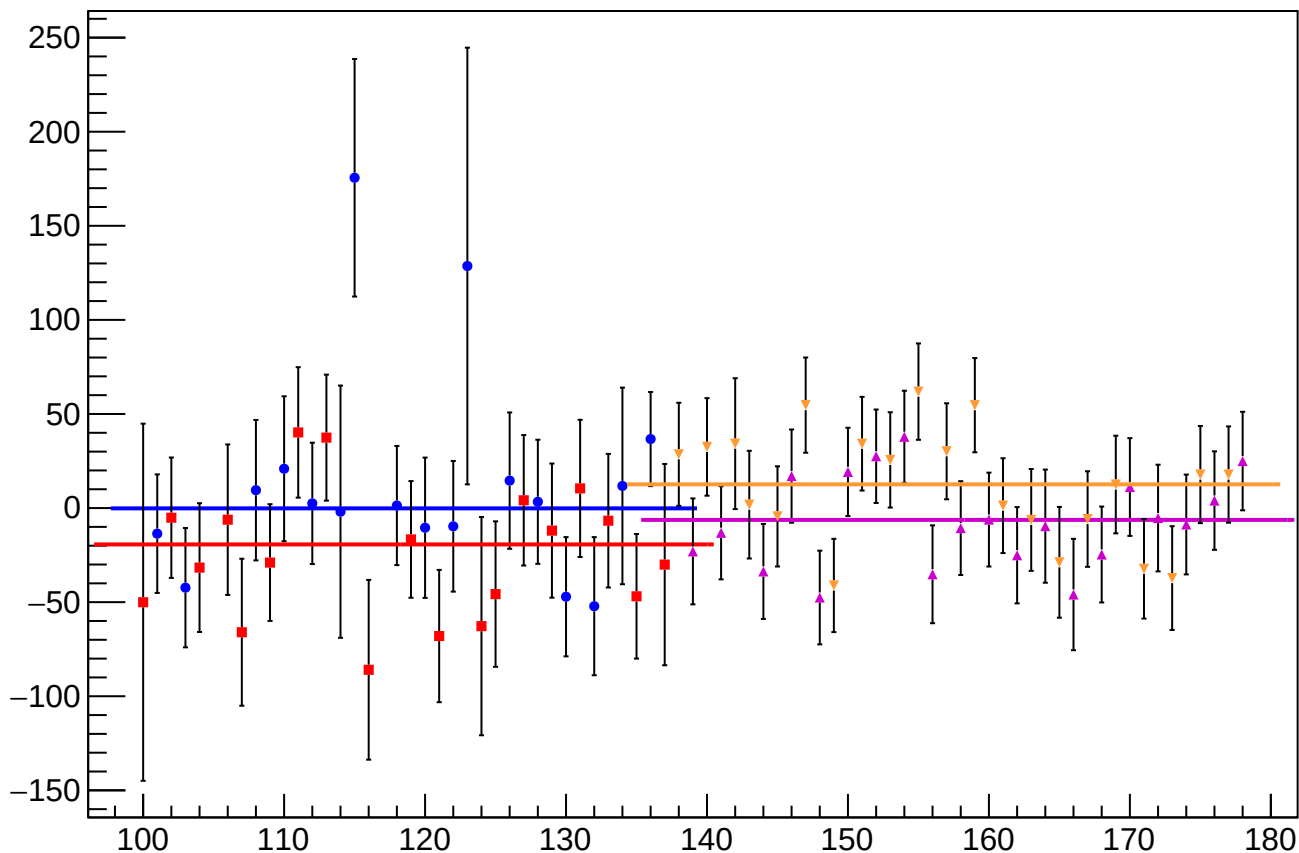
Left In: 181.248 $\pm$ 0.034 χ^2 /NDF:1542761.5/19

+ sign 205.766 $\pm$ 0.032 χ^2 /NDF: 2322439.7/37

All: 190.810 $\pm$ 0.021 χ^2 /NDF: 5797619.1/76

- 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: 12.610 ± 5.754 χ^2/NDF : 26.8/20

Right Out: -19.316 ± 8.554 χ^2/NDF : 14.8/18

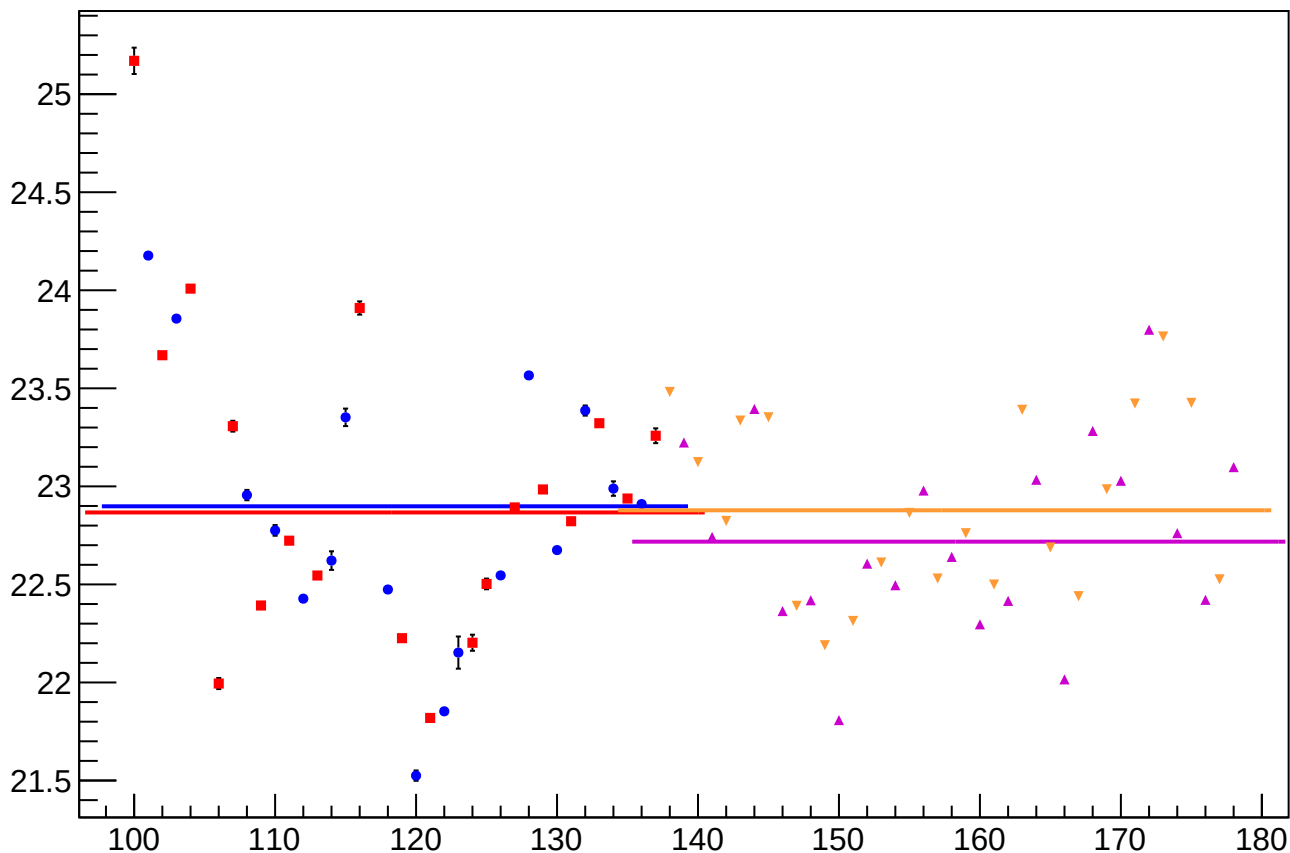
Left In: -6.289 ± 5.784 χ^2/NDF : 17.7/19

+ sign 8.802 ± 4.820 χ^2/NDF : 46.3/37

All: -0.845 ± 3.398 χ^2/NDF : 88.4/76

- 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 ± 0.006 $\chi^2/\text{NDF}: 12143.3/16$

Left Out: 22.878 ± 0.004 $\chi^2/\text{NDF}: 12324.1/20$

Right Out: 22.867 ± 0.006 $\chi^2/\text{NDF}: 11048.4/18$

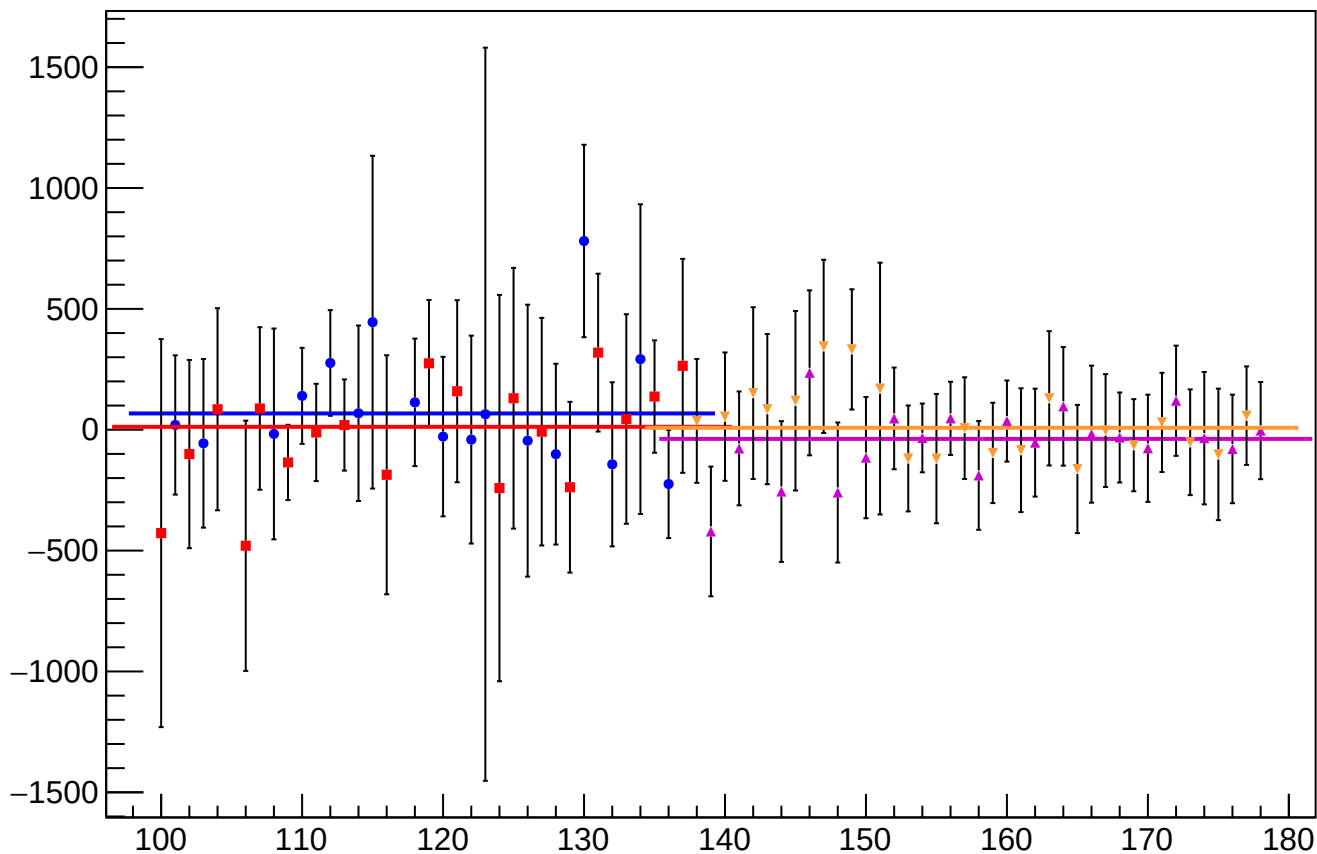
Left In: 22.718 ± 0.004 $\chi^2/\text{NDF}: 13272.4/19$

+ sign 22.884 ± 0.003 $\chi^2/\text{NDF}: 24474.9/37$

All: 22.824 ± 0.002 $\chi^2/\text{NDF}: 49827.3/76$

- sign 22.765 ± 0.003 $\chi^2/\text{NDF}: 24736.9/38$

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: 8.059 $\pm$ 54.738 χ^2 /NDF: 5.0/20

Right Out: 12.117 $\pm$ 70.355 χ^2 /NDF: 5.8/18

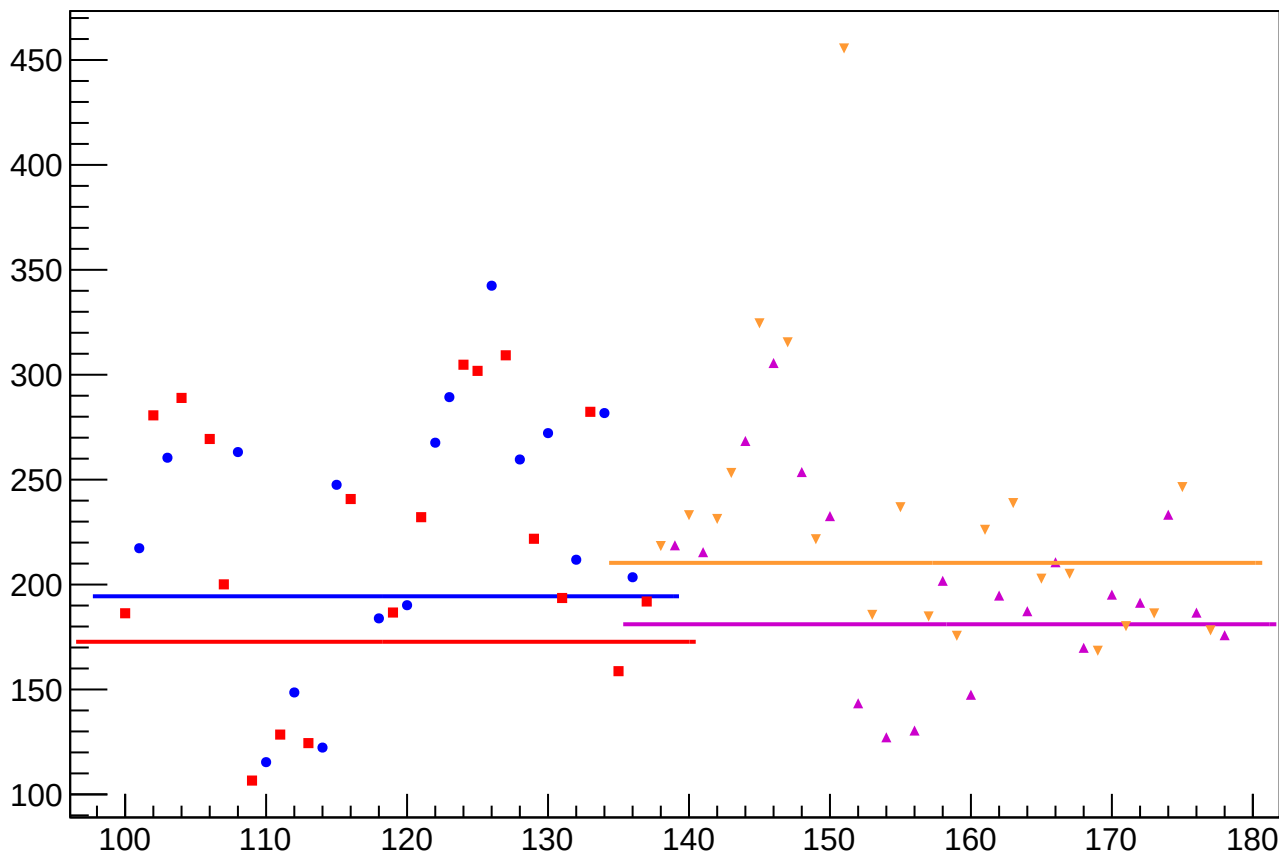
Left In: -37.899 $\pm$ 48.416 χ^2 /NDF: 6.0/19

+ sign 27.190 $\pm$ 45.067 χ^2 /NDF: 12.8/37

All: -0.297 $\pm$ 29.868 χ^2 /NDF: 25.5/76

- 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+/-0.056 χ^2/NDF : 1019913.2/16

Left Out: 210.344+/-0.039 χ^2/NDF :1281163.4/20

Right Out: 172.730+/-0.050 χ^2/NDF : 1596758.0/18

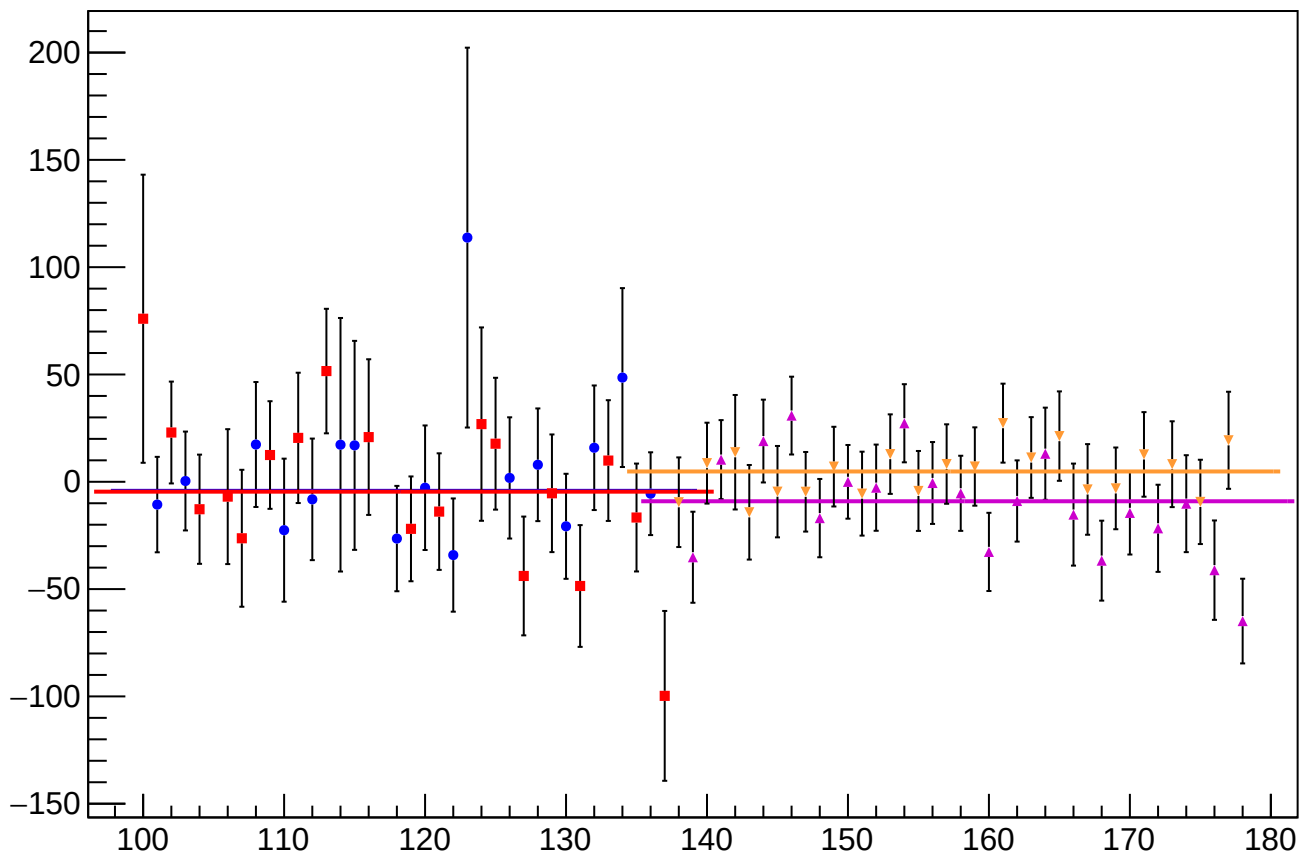
Left In: 181.079+/-0.034 χ^2/NDF :1535425.7/19

+ sign 205.211+/-0.032 χ^2/NDF : 2355663.0/37

All: 190.174+/-0.021 χ^2/NDF : 5904030.1/76

- sign 178.396+/-0.028 χ^2/NDF : 3151295.3/38

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.223 $\pm$ 6.871 χ^2/NDF : 8.0/16

Left Out: 4.811 $\pm$ 4.318 χ^2/NDF : 6.3/20

Right Out: -4.599 $\pm$ 6.725 χ^2/NDF : 21.1/18

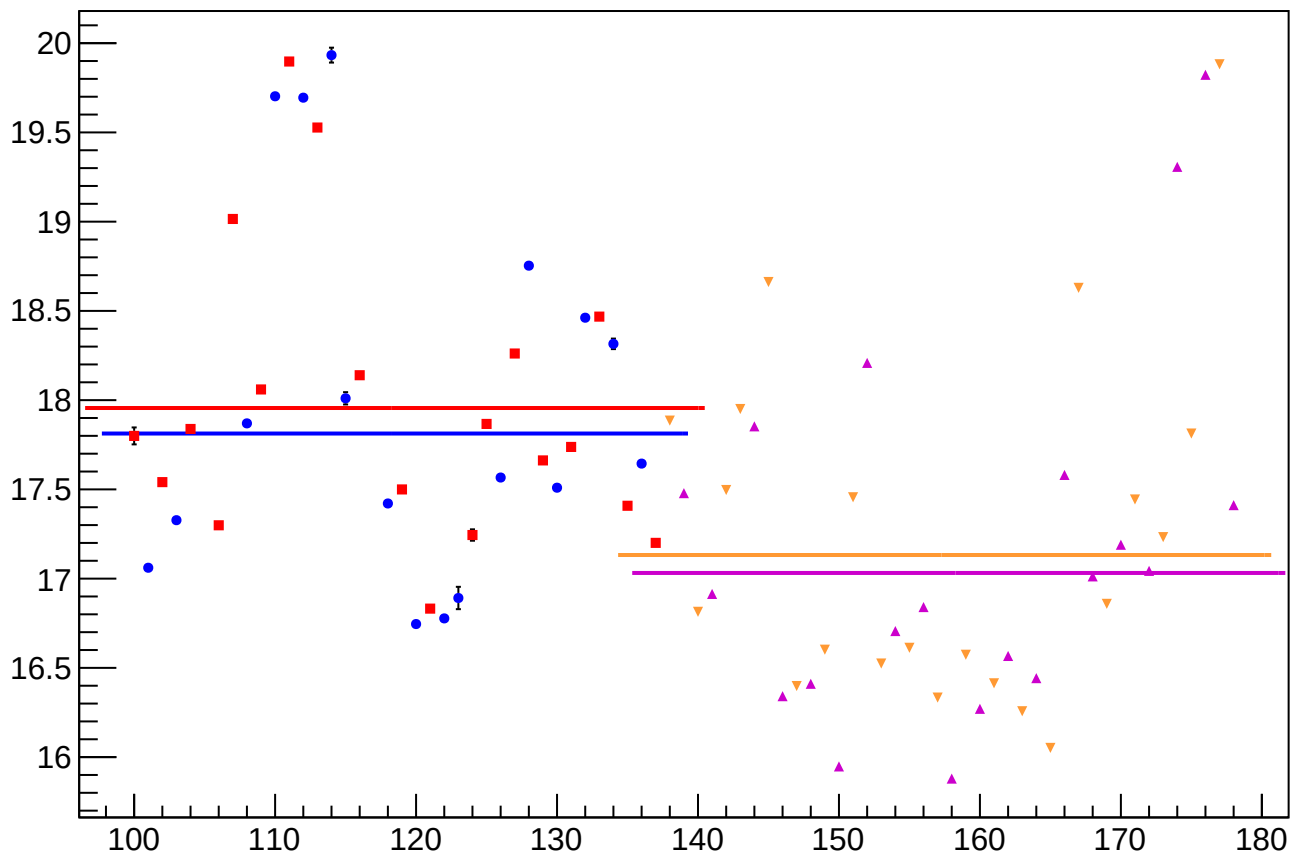
Left In: -9.073 $\pm$ 4.347 χ^2/NDF : 29.8/19

+ sign 2.253 $\pm$ 3.656 χ^2/NDF : 15.5/37

All: -2.758 $\pm$ 2.583 χ^2/NDF : 70.5/76

- sign -7.754 $\pm$ 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: 17.132 $\pm$ 0.003 χ^2 /NDF: 86980.8/20

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25445.3/18

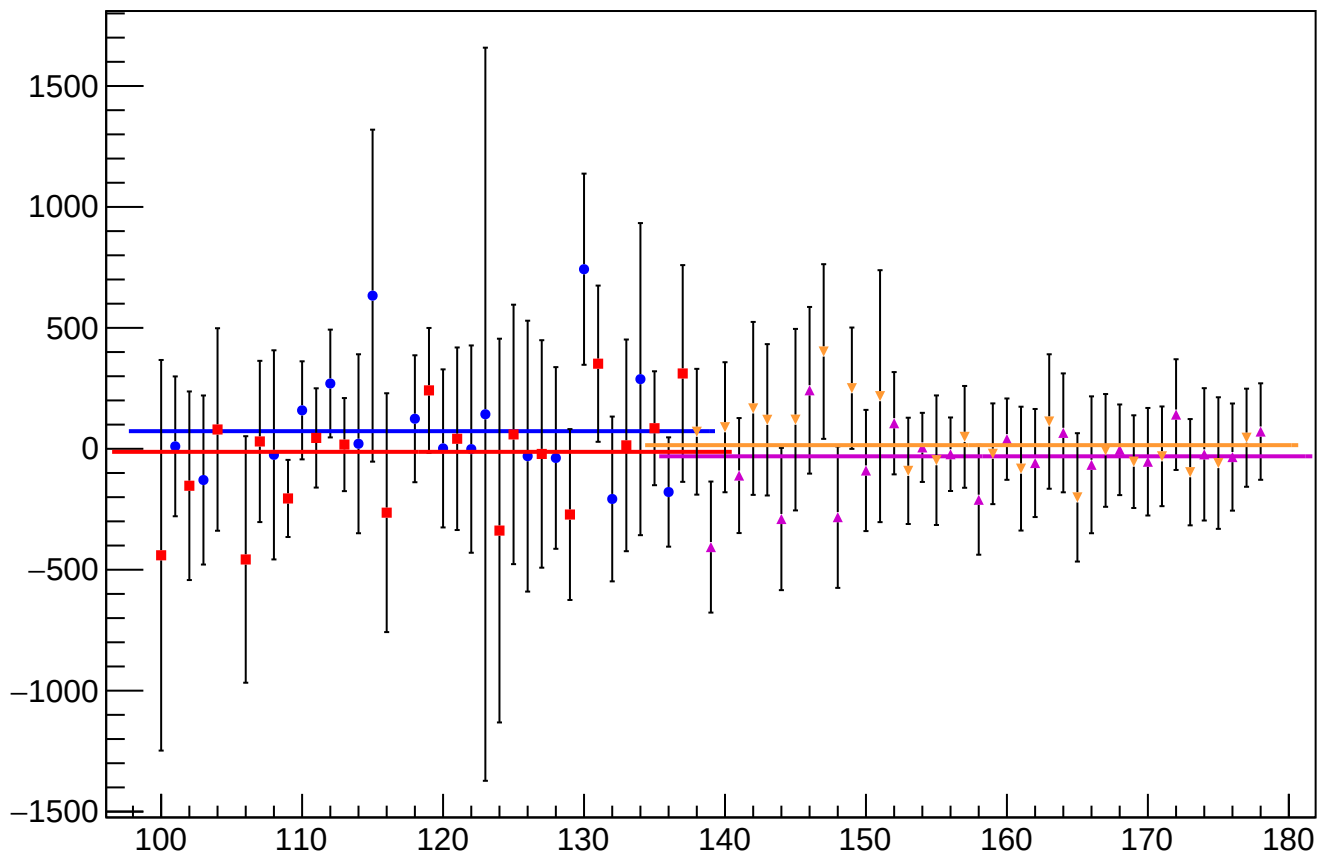
Left In: 17.032 $\pm$ 0.003 χ^2 /NDF: 91666.1/19

+ sign 17.325 $\pm$ 0.003 χ^2 /NDF: 133081.8/37

All: 17.315 $\pm$ 0.002 χ^2 /NDF: 276864.7/76

- 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+/-79.948 χ^2/NDF : 7.2/16

Left Out: 15.061+/-54.933 χ^2/NDF : 4.5/20

Right Out: -12.565+/-71.013 χ^2/NDF : 6.7/18

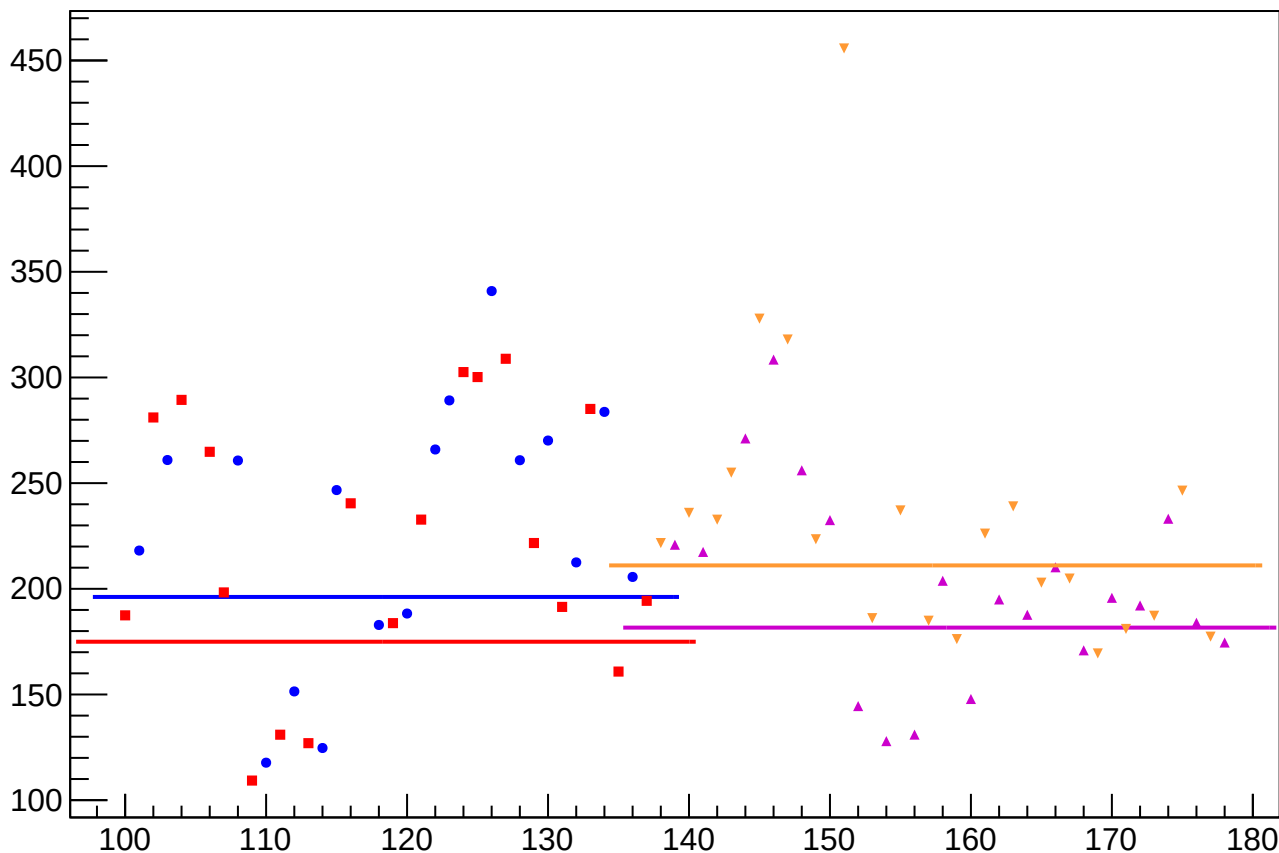
Left In: -31.041+/-48.564 χ^2/NDF : 6.6/19

+ sign 33.607+/-45.275 χ^2/NDF : 12.1/37

All: 0.667+/-30.013 χ^2/NDF : 26.4/76

- sign -25.154+/-40.086 χ^2/NDF : 13.4/38

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.151 $\pm$ 0.057 χ^2 /NDF: 964998.4/16

Left Out: 211.076 $\pm$ 0.039 χ^2 /NDF:1293656.0/20

Right Out: 174.965 $\pm$ 0.050 χ^2 /NDF: 1510956.5/18

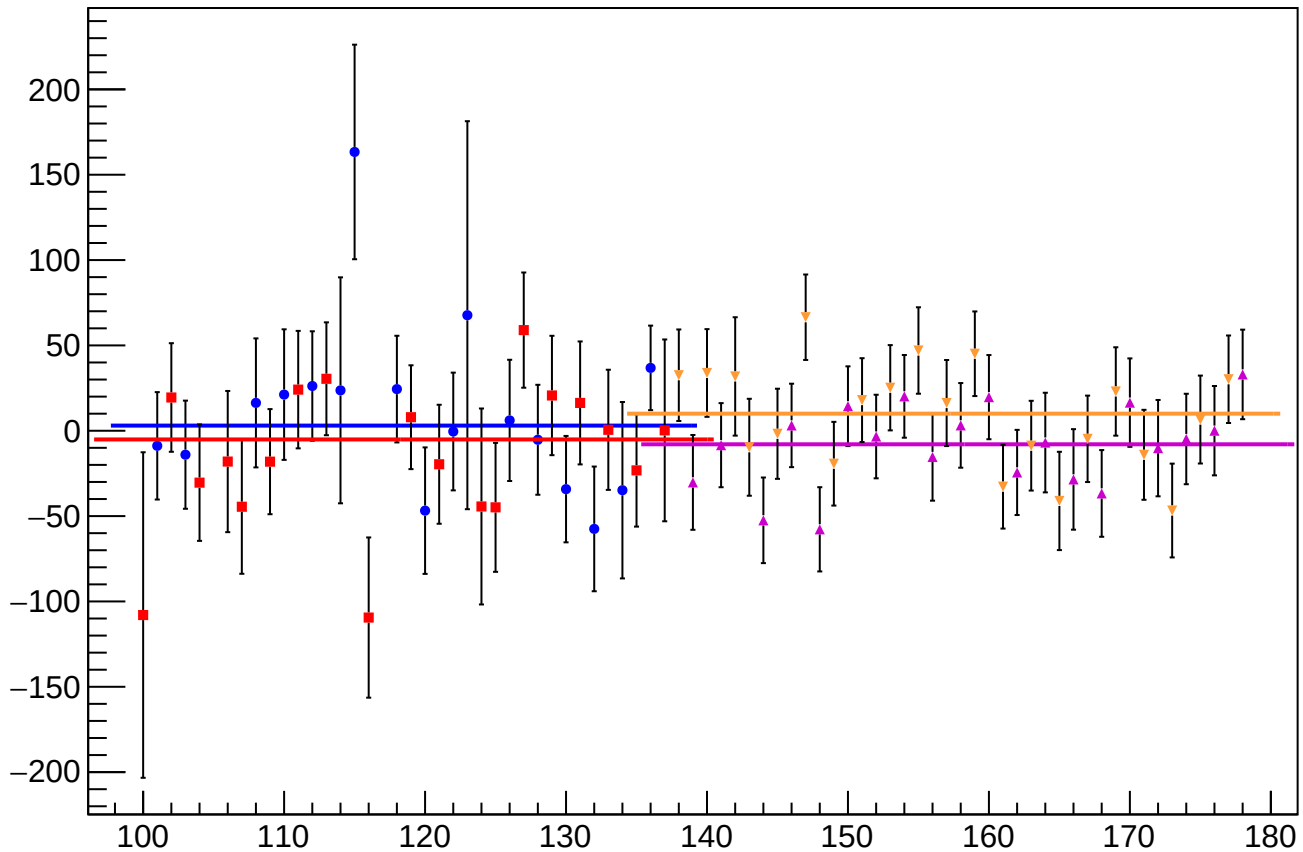
Left In: 181.639 $\pm$ 0.034 χ^2 /NDF:1542405.4/19

+ sign 206.289 $\pm$ 0.032 χ^2 /NDF: 2306003.3/37

All: 191.279 $\pm$ 0.021 χ^2 /NDF: 5763568.3/76

- sign 179.512 $\pm$ 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 χ^2/NDF : 17.2/16

Left Out: 10.016 ± 5.693 χ^2/NDF : 26.9/20

Right Out: -5.092 ± 8.477 χ^2/NDF : 17.2/18

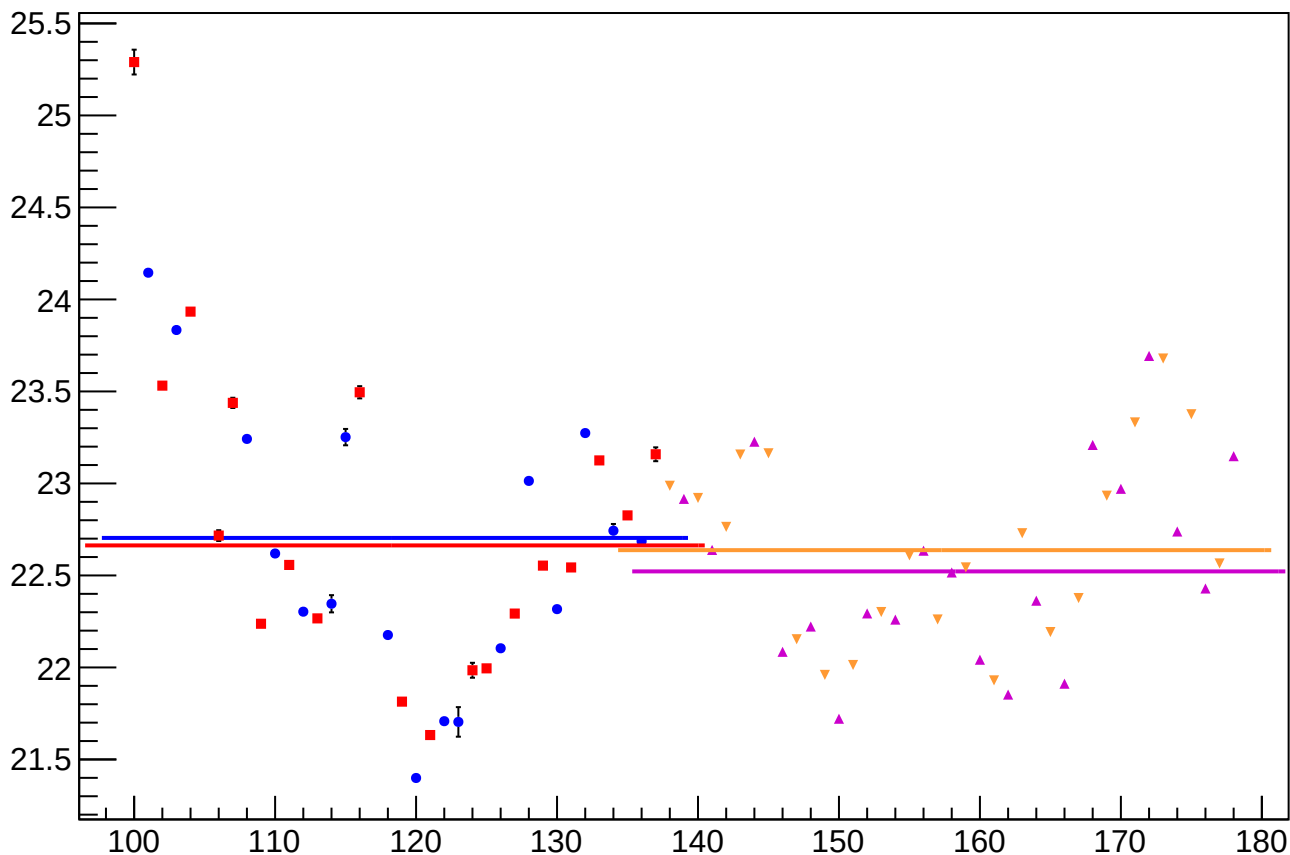
Left In: -7.933 ± 5.734 χ^2/NDF : 17.6/19

+ sign 7.936 ± 4.772 χ^2/NDF : 44.5/37

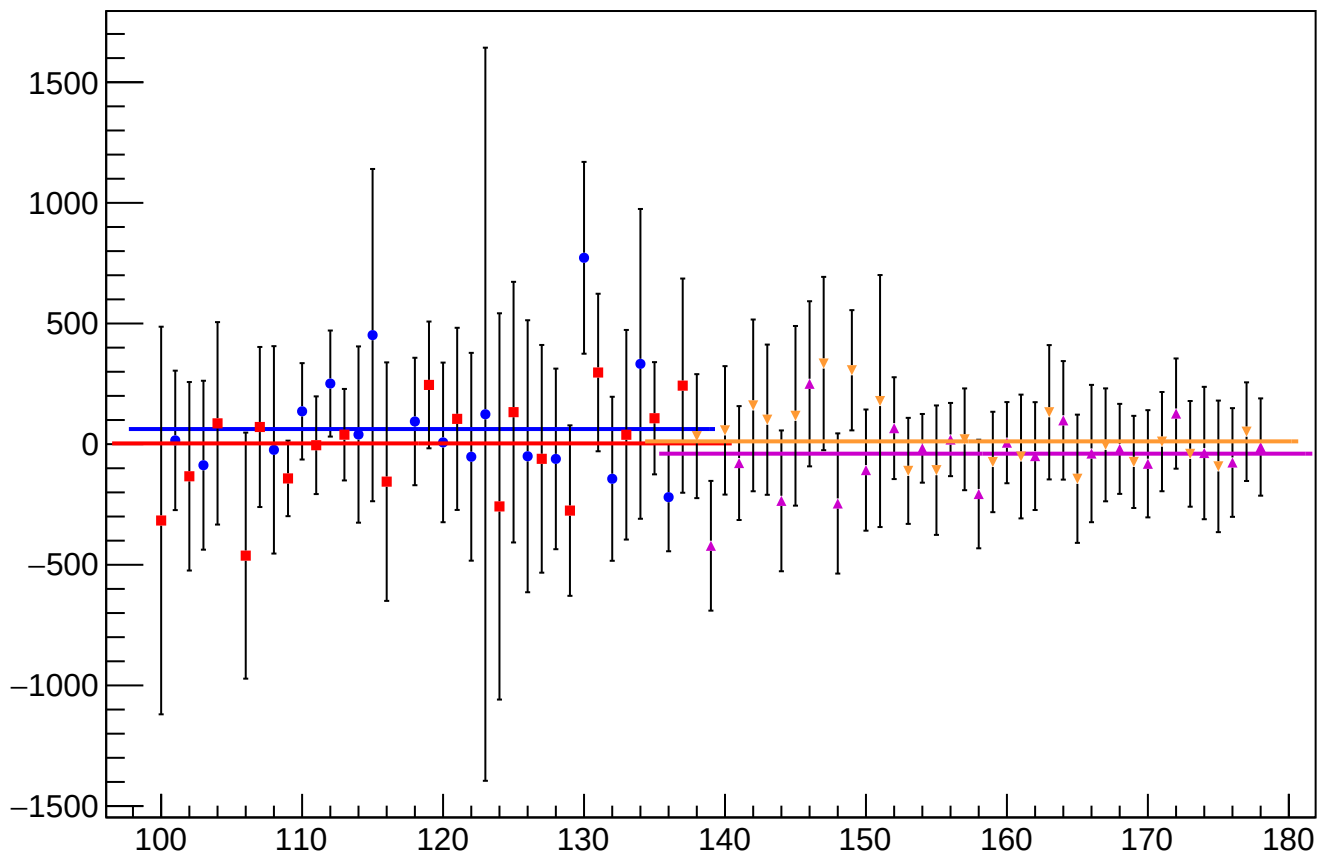
All: 0.411 ± 3.366 χ^2/NDF : 84.3/76

- sign -7.042 ± 4.749 χ^2/NDF : 34.8/38

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573+/-79.605 χ^2/NDF : 7.0/16

Left Out: 11.514+/-54.864 χ^2/NDF : 4.4/20

Right Out: 3.038+/-70.518 χ^2/NDF : 5.2/18

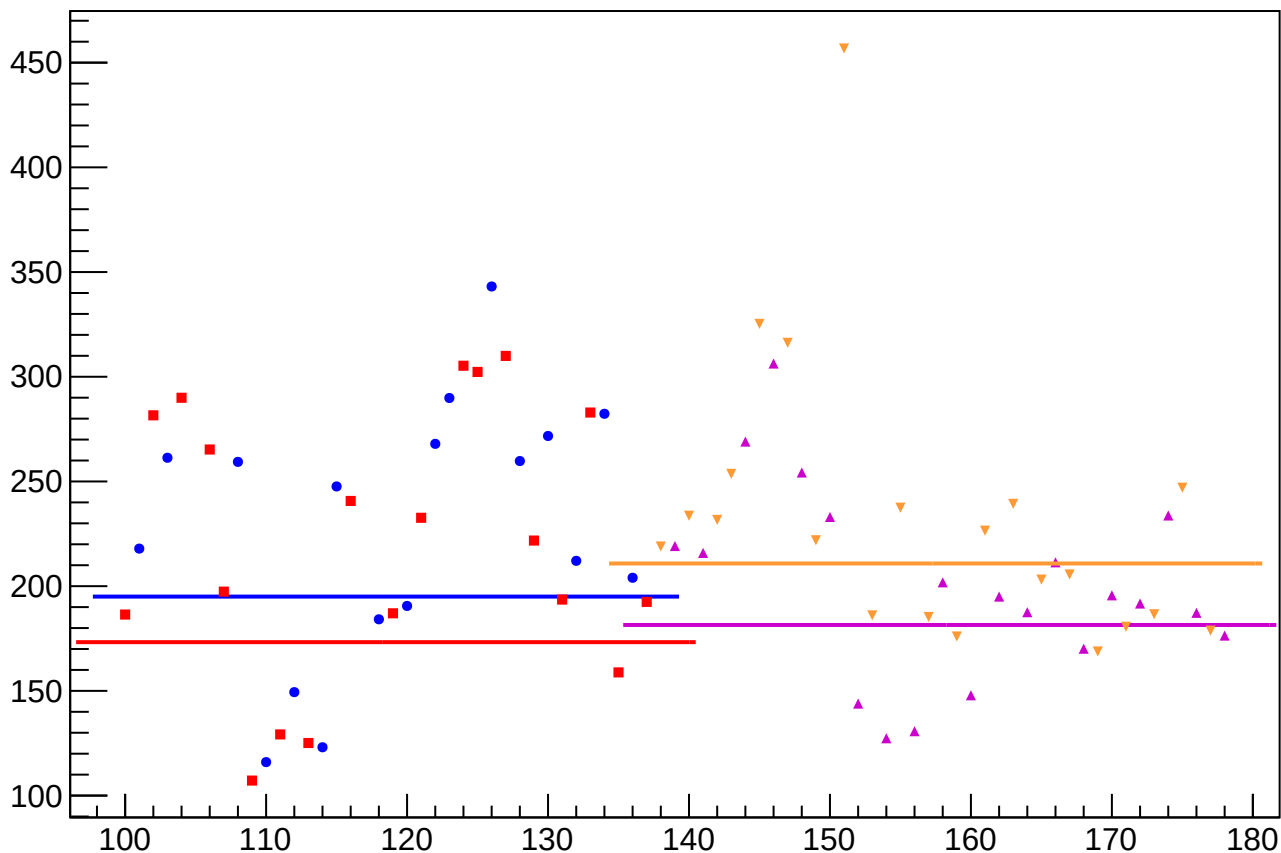
Left In: -39.514+/-48.520 χ^2/NDF : 5.8/19

+ sign 27.957+/-45.174 χ^2/NDF : 11.7/37

All: -2.217+/-29.935 χ^2/NDF : 23.7/76

- sign -25.842+/-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: 210.829 $\pm$ 0.039 χ^2 /NDF:1280664.6/20

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

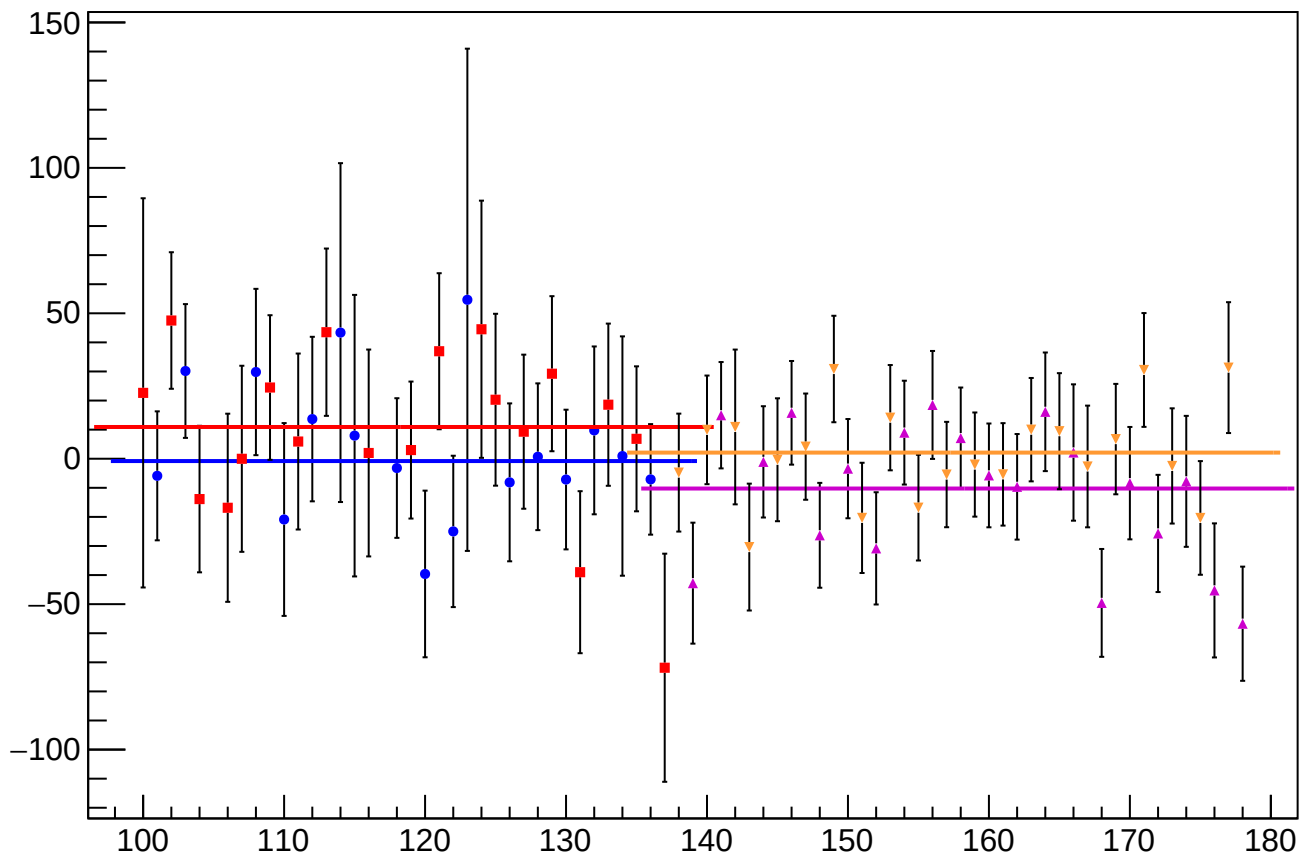
Left In: 181.467 $\pm$ 0.034 χ^2 /NDF:1535277.3/19

+ sign 205.738 $\pm$ 0.032 χ^2 /NDF: 2338412.3/37

All: 190.647 $\pm$ 0.021 χ^2 /NDF: 5868256.0/76

- 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 ± 6.770 χ^2/NDF : 7.8/16

Left Out: 2.108 ± 4.234 χ^2/NDF : 14.1/20

Right Out: 10.912 ± 6.626 χ^2/NDF : 15.9/18

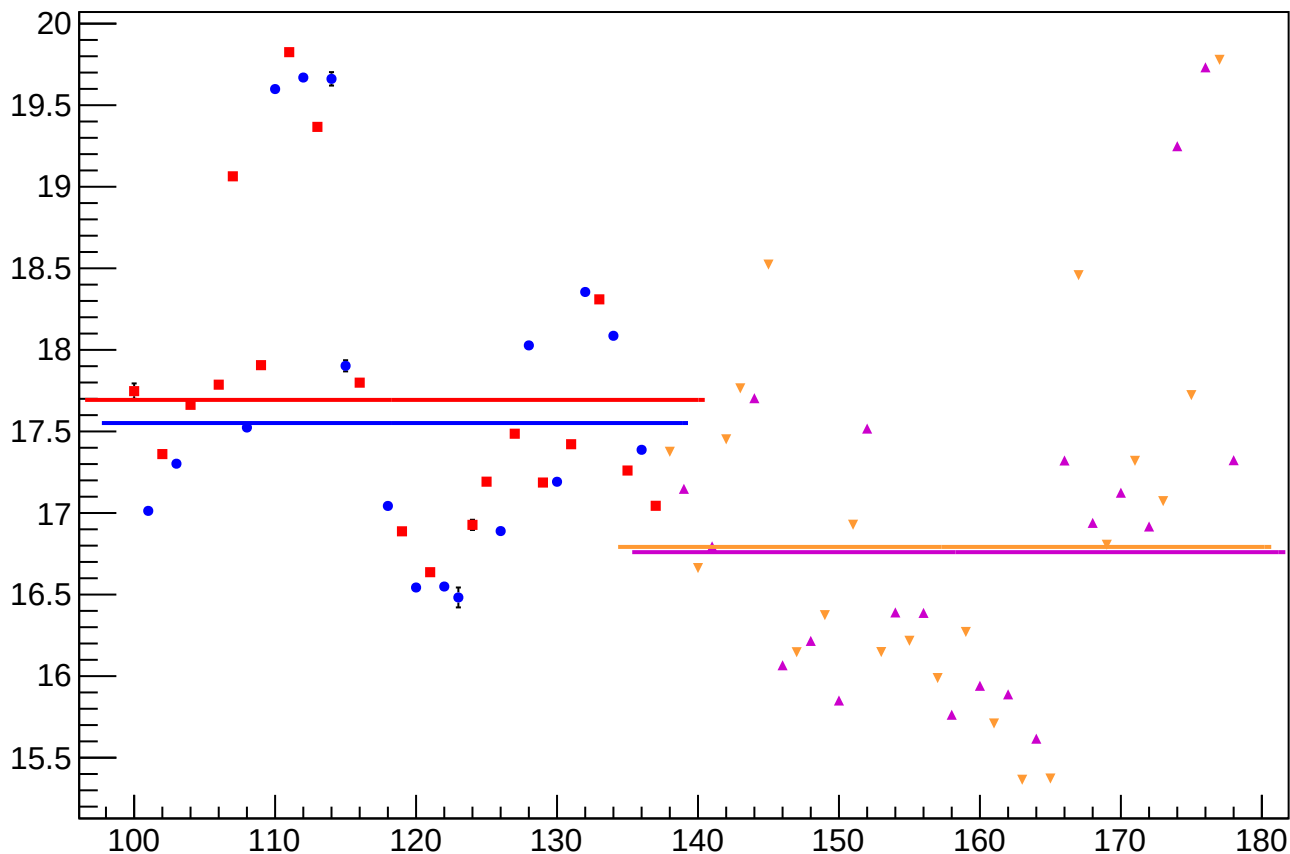
Left In: -10.246 ± 4.278 χ^2/NDF : 28.4/19

+ sign 1.290 ± 3.590 χ^2/NDF : 22.0/37

All: -1.363 ± 2.540 χ^2/NDF : 74.6/76

- sign -4.022 ± 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: 16.792 $\pm$ 0.003 χ^2 /NDF:119083.3/20

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30742.0/18

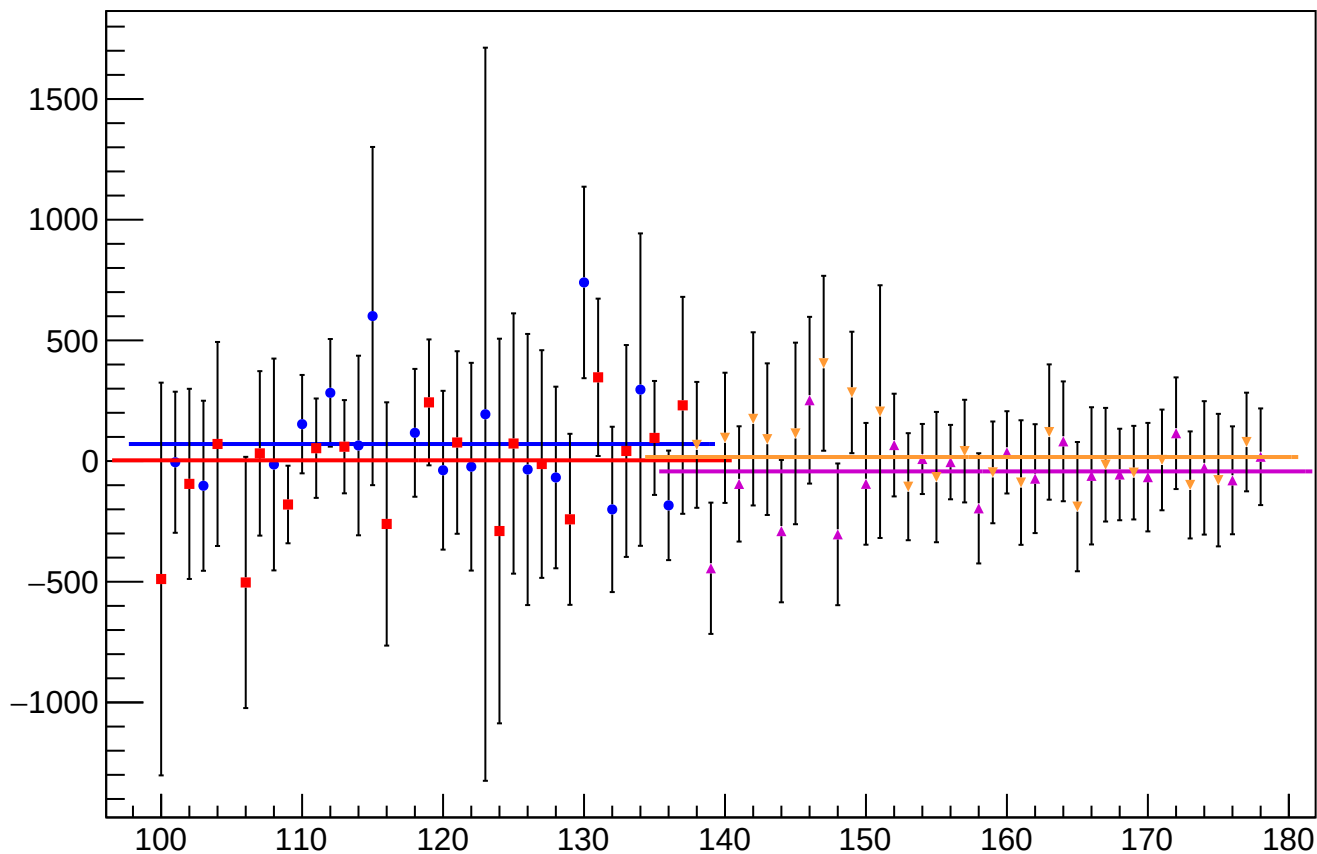
Left In: 16.760 $\pm$ 0.003 χ^2 /NDF:104062.4/19

+ sign 17.006 $\pm$ 0.003 χ^2 /NDF: 171201.0/37

All: 17.020 $\pm$ 0.002 χ^2 /NDF: 334079.4/76

- 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: 16.766 $\pm$ 55.384 χ^2 /NDF: 4.9/20

Right Out: 3.063 $\pm$ 71.508 χ^2 /NDF: 6.2/18

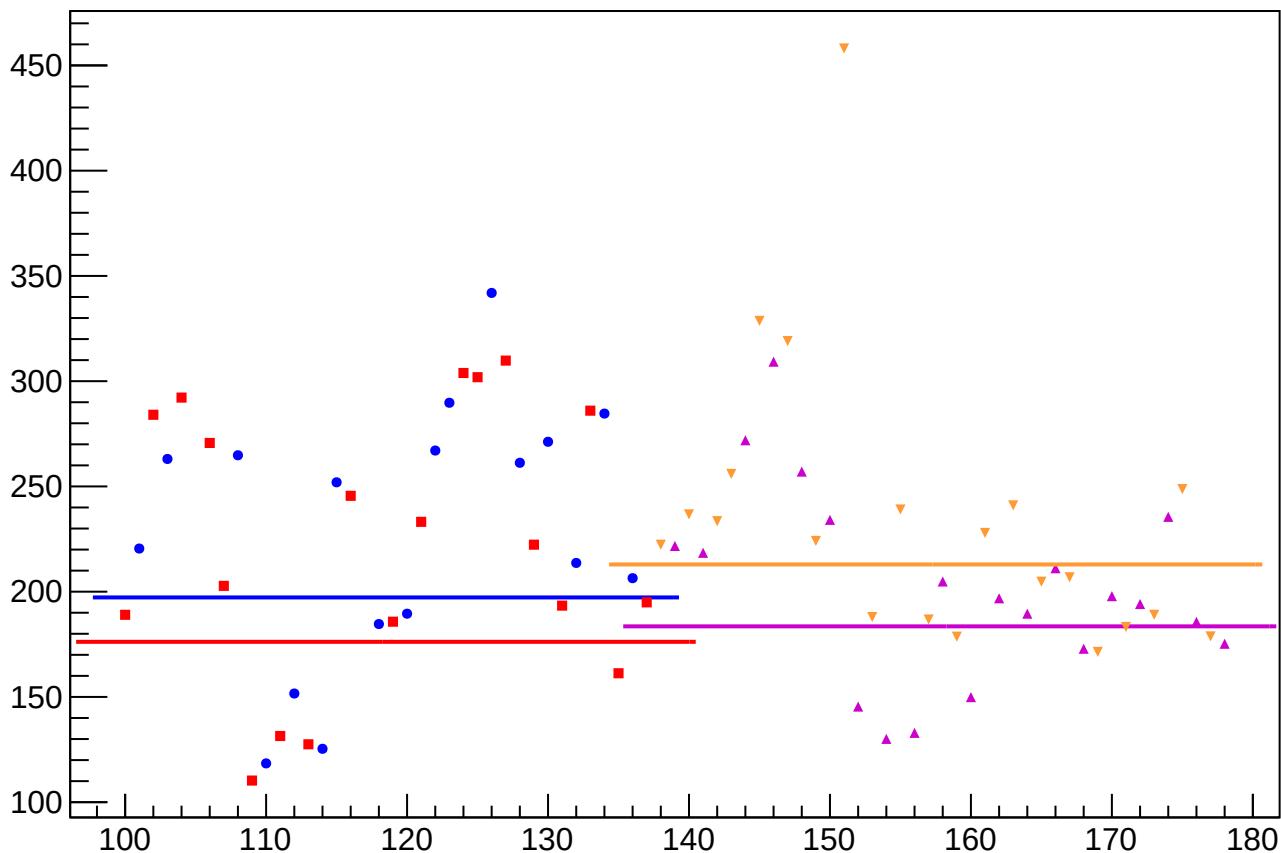
Left In: -42.792 $\pm$ 49.026 χ^2 /NDF: 6.5/19

+ sign 34.099 $\pm$ 45.611 χ^2 /NDF: 12.4/37

All: -0.745 $\pm$ 30.257 χ^2 /NDF: 26.3/76

- 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: 212.930 $\pm$ 0.039 χ^2 /NDF:1268181.5/20

Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

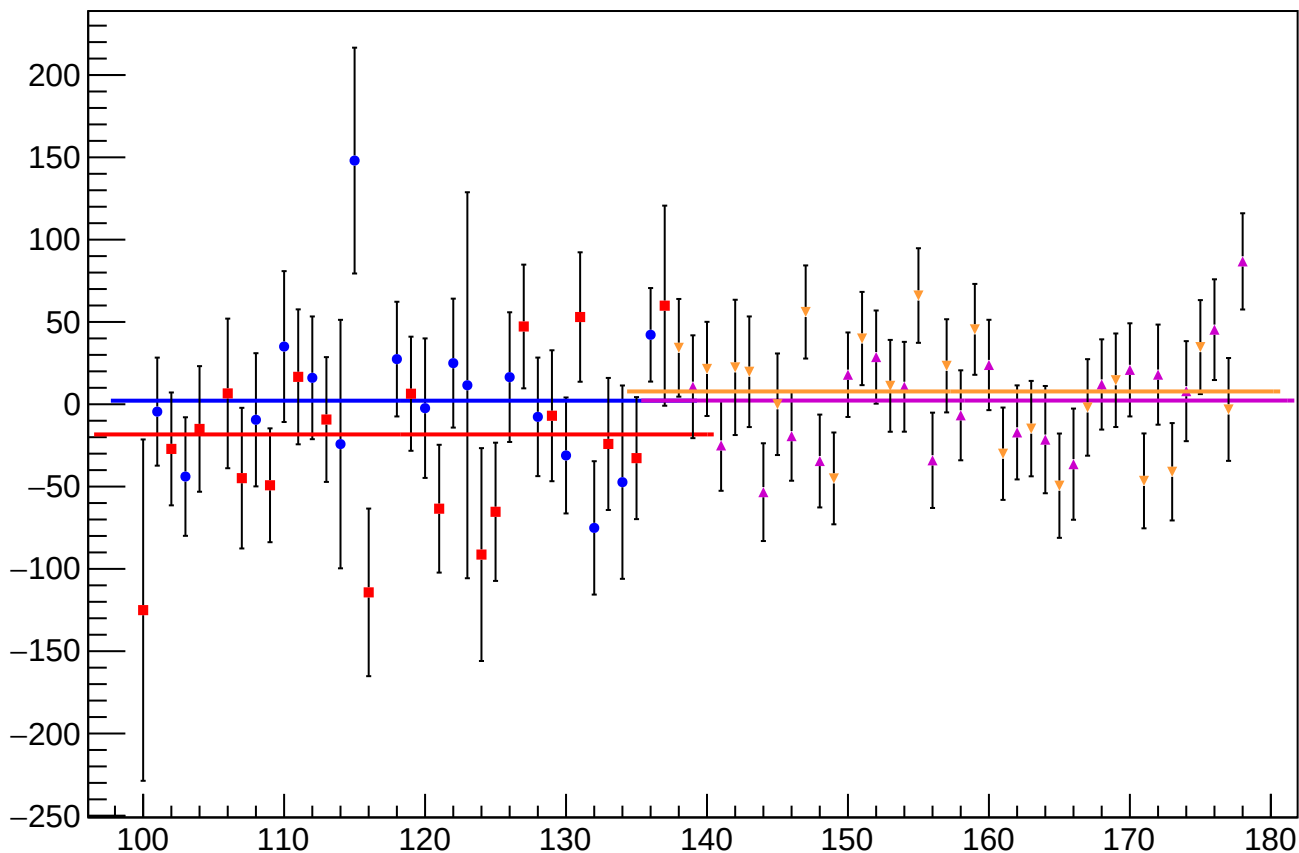
Left In: 183.529 $\pm$ 0.035 χ^2 /NDF:1498709.9/19

+ sign 207.891 $\pm$ 0.032 χ^2 /NDF: 2289170.3/37

All: 192.934 $\pm$ 0.021 χ^2 /NDF: 5706051.1/76

- 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 $\pm$ 9.825 χ^2/NDF : 15.4/16

Left Out: 7.792 $\pm$ 6.430 χ^2/NDF : 28.6/20

Right Out: -18.320 $\pm$ 9.497 χ^2/NDF : 19.6/18

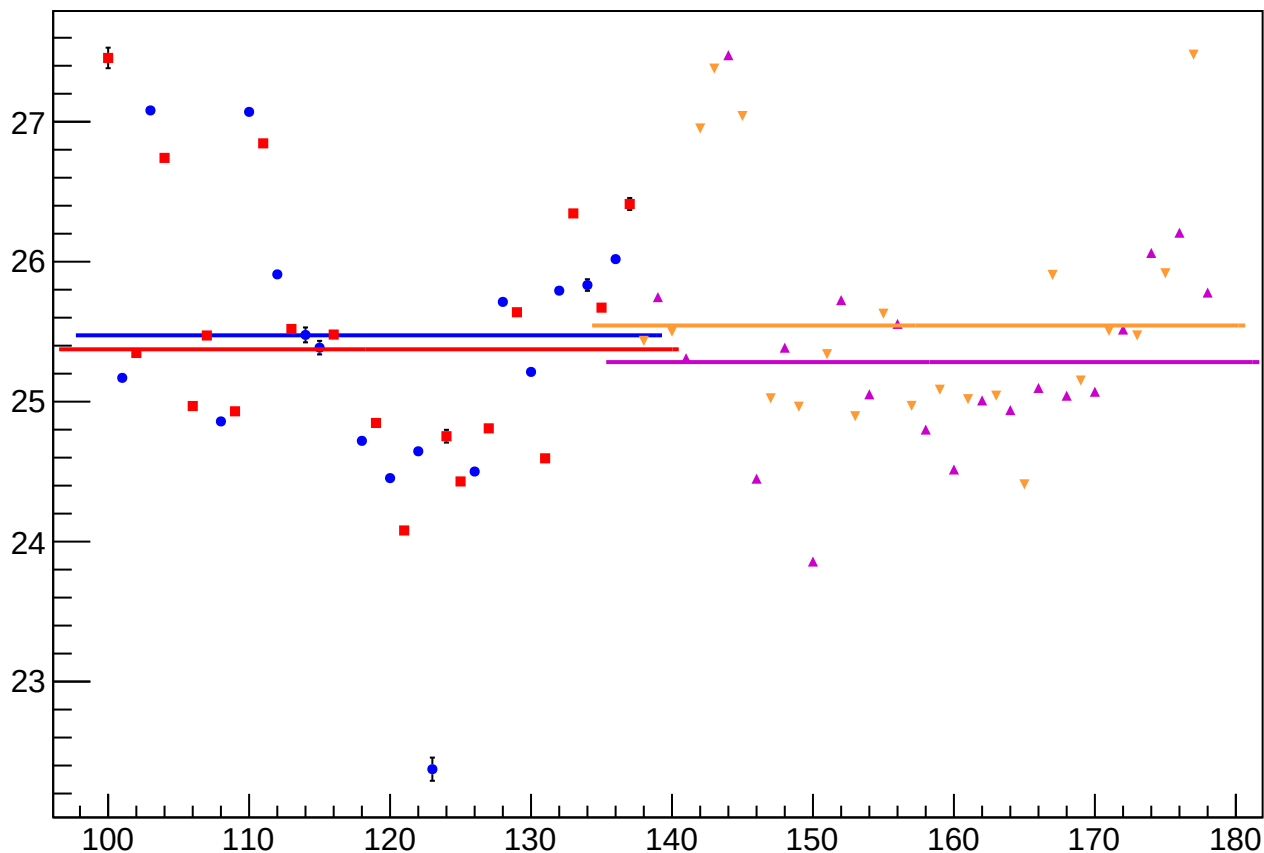
Left In: 2.257 $\pm$ 6.443 χ^2/NDF : 24.0/19

+ sign 6.108 $\pm$ 5.380 χ^2/NDF : 44.2/37

All: 0.893 $\pm$ 3.787 χ^2/NDF : 92.9/76

- sign -4.228 $\pm$ 5.332 χ^2/NDF : 46.8/38

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474+/-0.007 χ^2/NDF : 14061.2/16

Left Out: 25.544+/-0.005 χ^2/NDF : 29765.5/20

Right Out: 25.374+/-0.007 χ^2/NDF : 13581.2/18

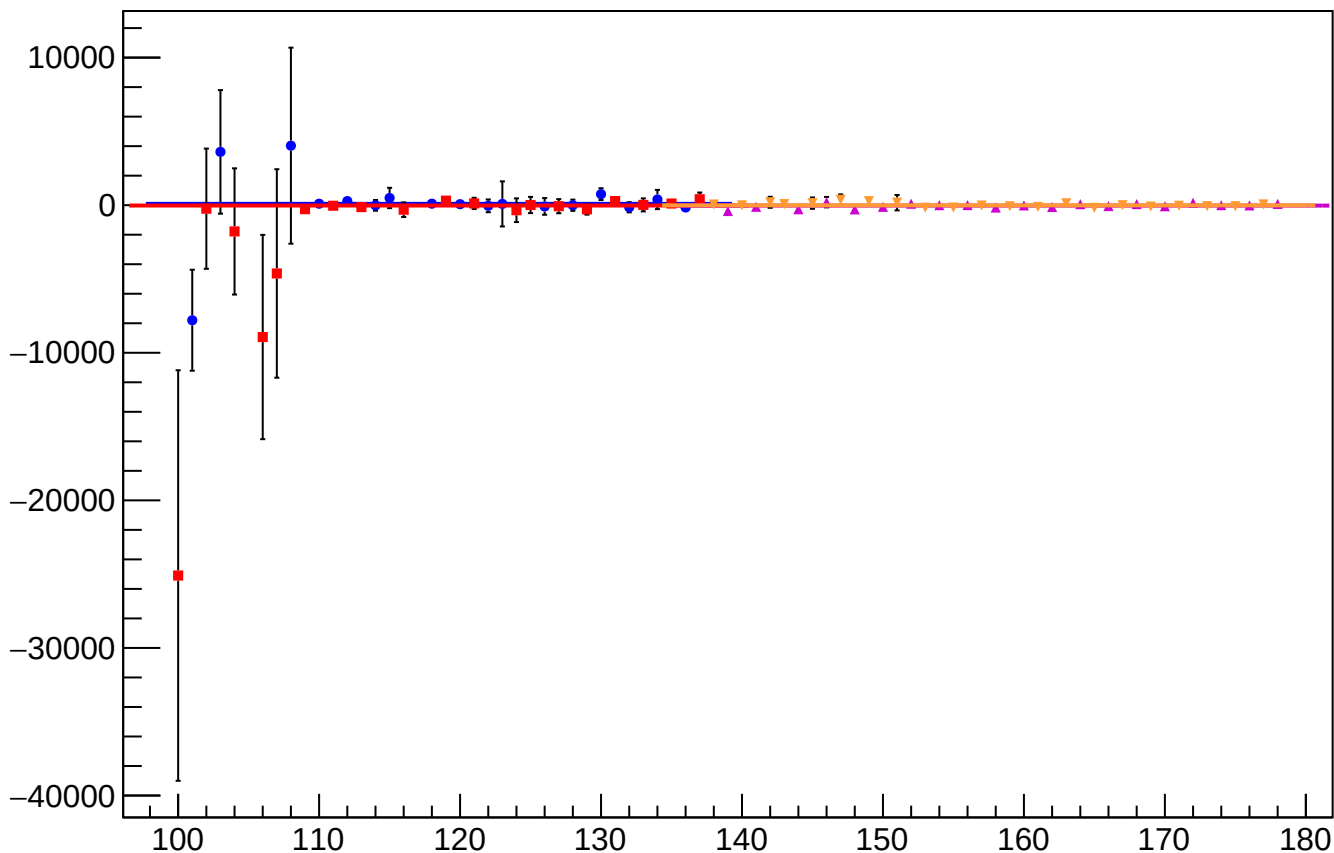
Left In: 25.283+/-0.005 χ^2/NDF : 26994.7/19

+ sign 25.523+/-0.004 χ^2/NDF : 43898.2/37

All: 25.416+/-0.003 χ^2/NDF : 86163.0/76

- sign 25.311+/-0.004 χ^2/NDF : 40702.7/38

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 89.619+/-87.630 χ^2/NDF : 12.3/16

Left Out: -11.059+/-55.442 χ^2/NDF : 5.1/20

Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

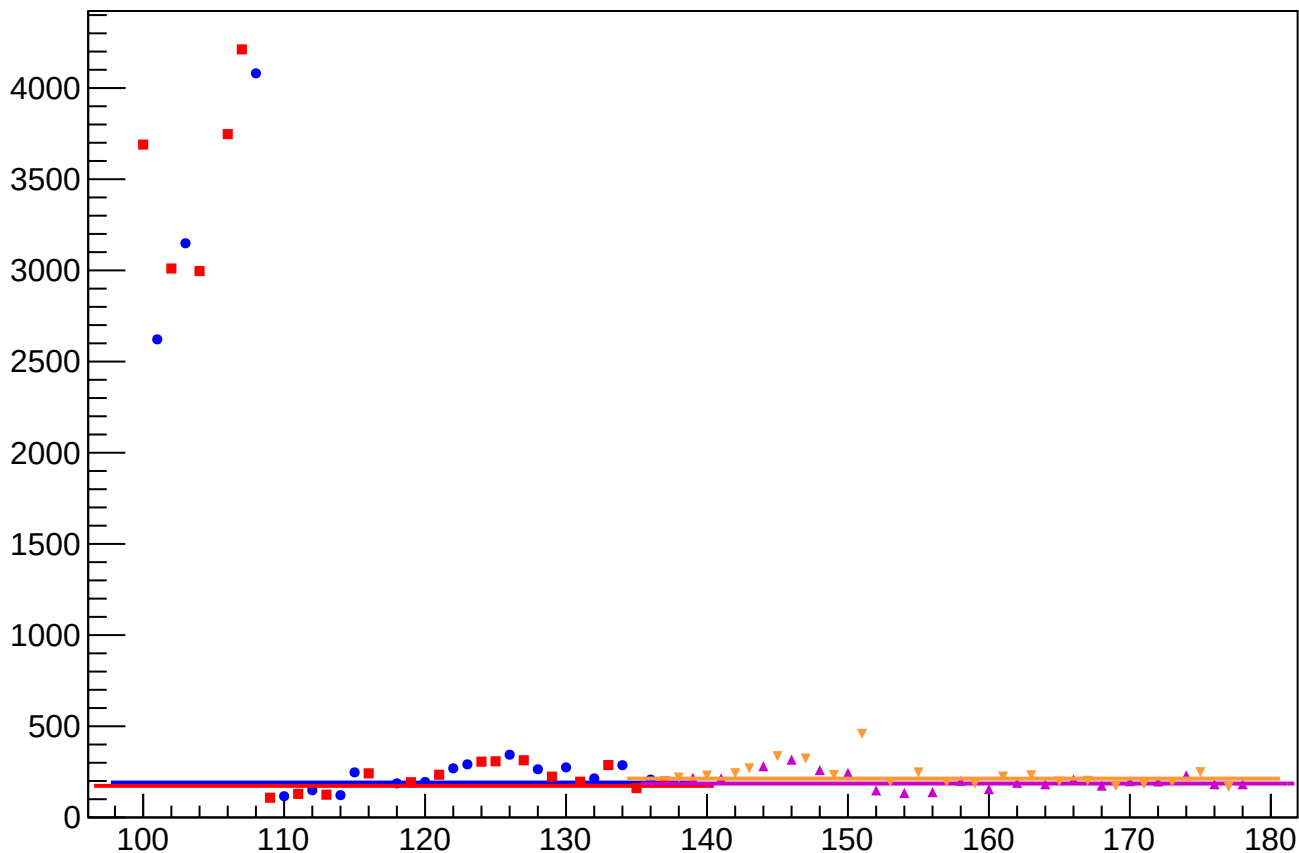
Left In: -27.665+/-49.545 χ^2/NDF : 6.4/19

+ sign 17.721+/-46.852 χ^2/NDF : 18.3/37

All: -6.549+/-31.377 χ^2/NDF : 37.1/76

- sign -26.287+/-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: 213.044+/-0.039 χ^2/NDF :1323339.8/20

Right Out: 173.269+/-0.057 χ^2/NDF : 4207191.5/18

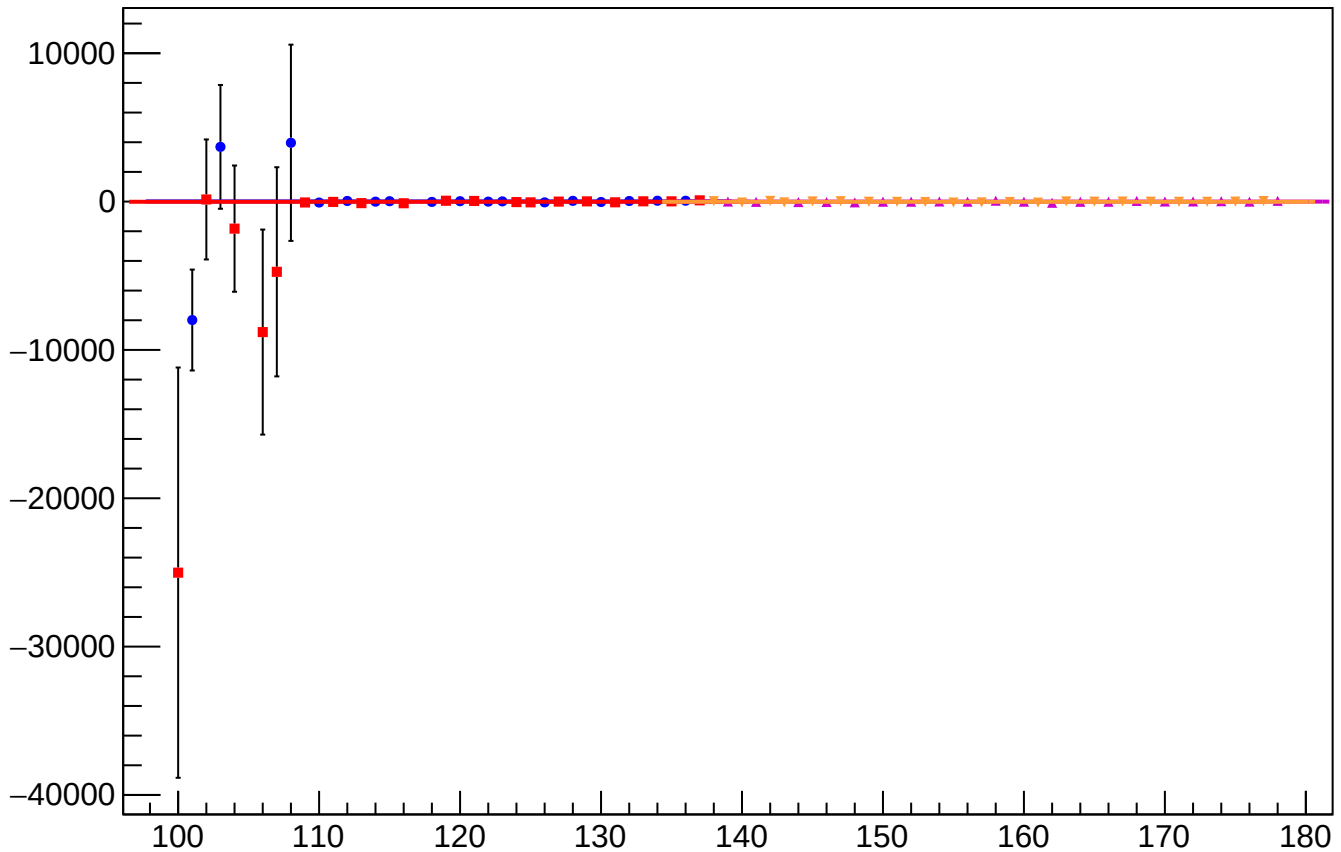
Left In: 185.946+/-0.035 χ^2/NDF :1373808.6/19

+ sign 206.797+/-0.033 χ^2/NDF : 4983922.1/37

All: 193.391+/-0.022 χ^2/NDF : 10897547.1/76

- 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: -13.738+/-7.266 χ^2/NDF : 18.9/20

Right Out: -12.947+/-12.227 χ^2/NDF : 24.4/18

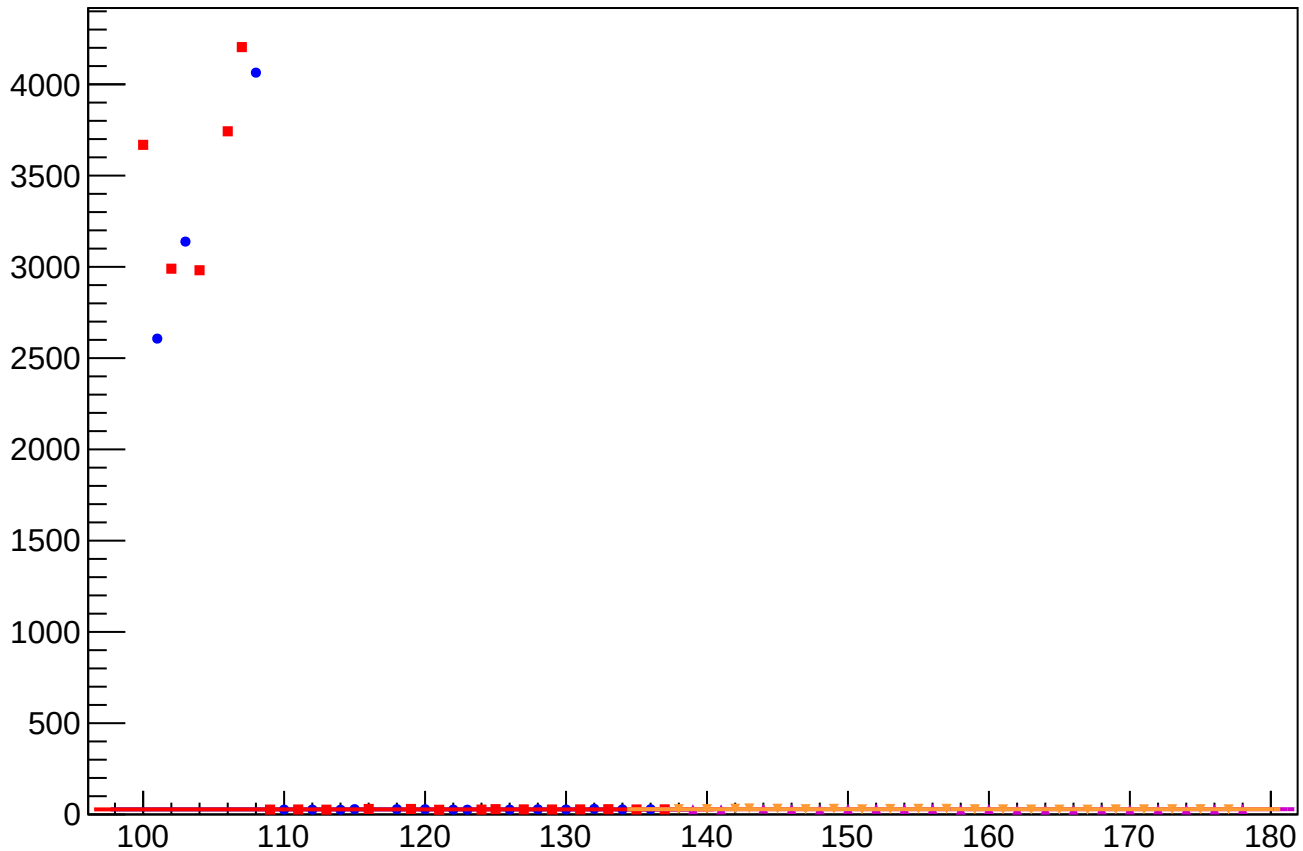
Left In: -2.151+/-7.344 χ^2/NDF : 21.2/19

+ sign -7.410+/-6.241 χ^2/NDF : 40.0/37

All: -6.222+/-4.432 χ^2/NDF : 86.2/76

- 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: 28.815 $\pm$ 0.005 χ^2 /NDF: 98439.0/20

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

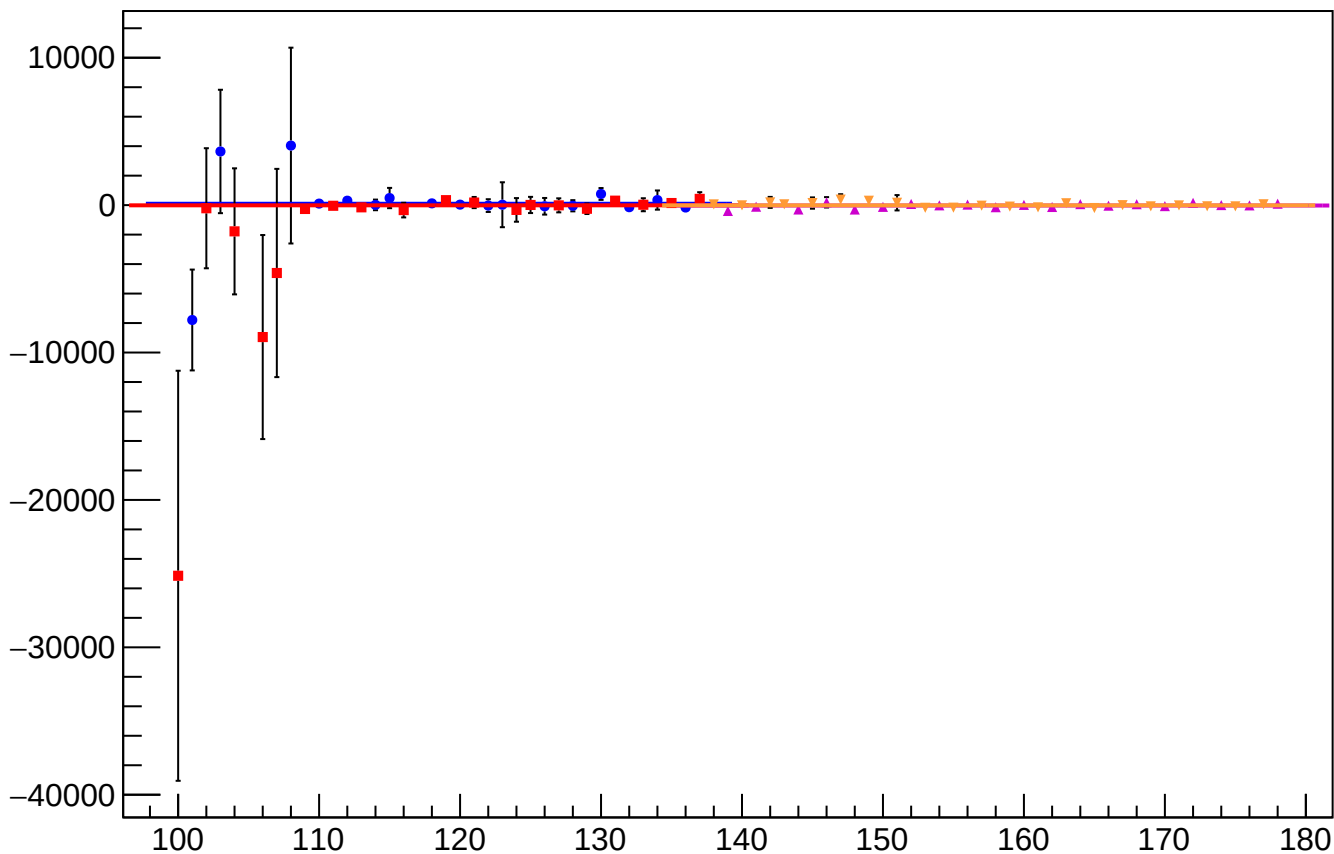
Left In: 28.745 $\pm$ 0.005 χ^2 /NDF: 120115.6/19

+ sign 28.558 $\pm$ 0.004 χ^2 /NDF: 3134830.9/37

All: 28.513 $\pm$ 0.003 χ^2 /NDF: 6742830.9/76

- 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: -14.520 $\pm$ 55.316 χ^2 /NDF: 5.7/20

Right Out: -12.772 $\pm$ 80.640 χ^2 /NDF: 12.7/18

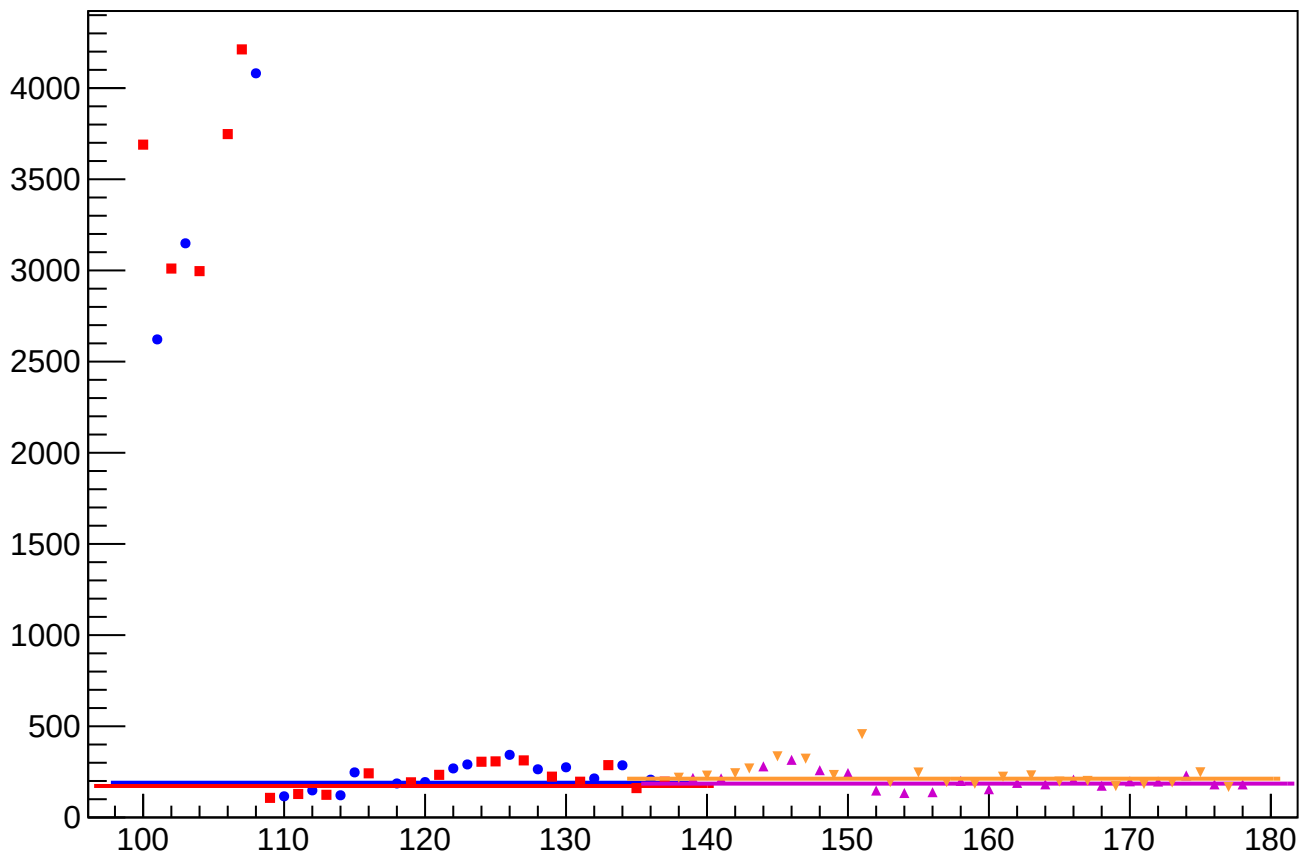
Left In: -26.146 $\pm$ 49.442 χ^2 /NDF: 6.5/19

+ sign 16.206 $\pm$ 46.735 χ^2 /NDF: 19.4/37

All: -5.133 $\pm$ 31.300 χ^2 /NDF: 39.0/76

- 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: 212.558+/-0.039 χ^2/NDF :1324419.6/20

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

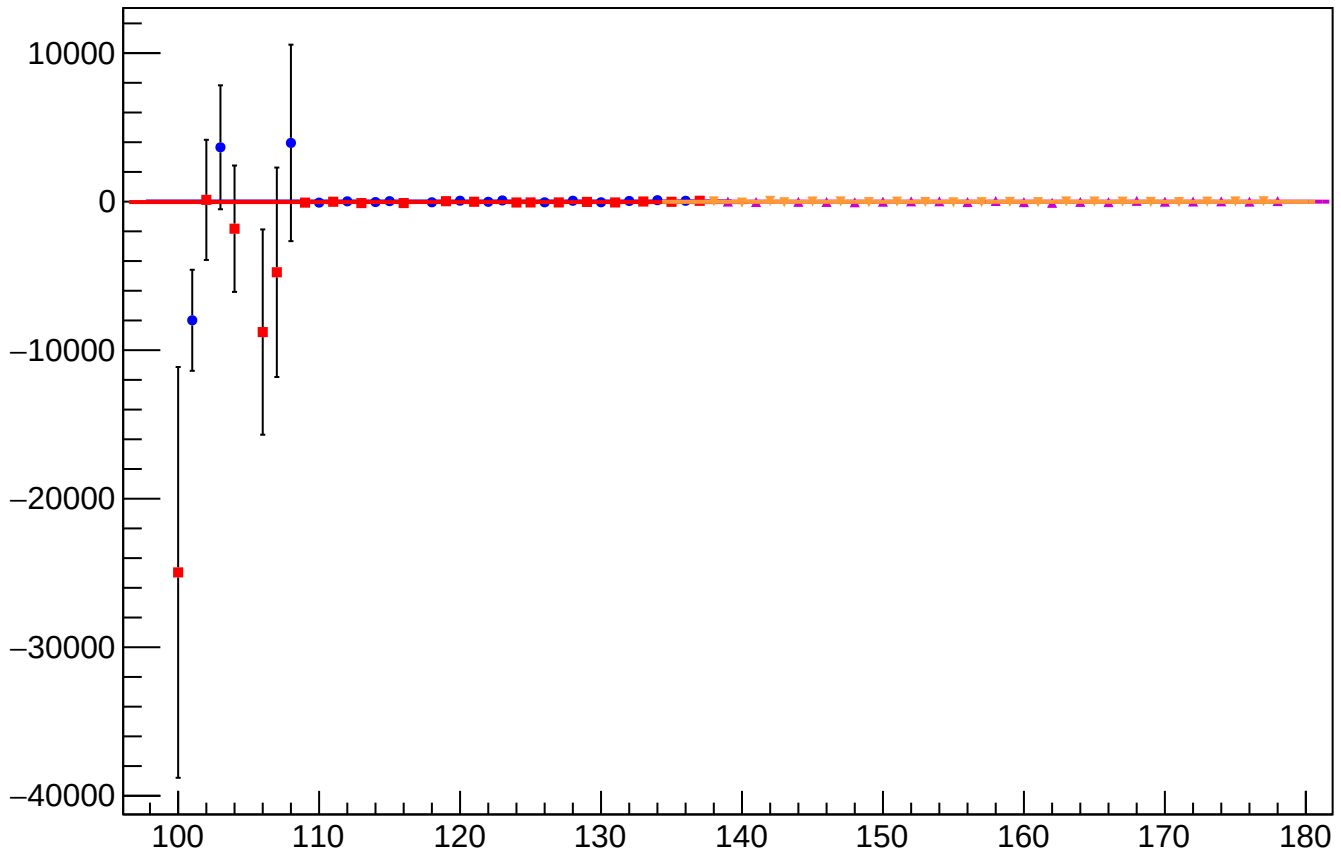
Left In: 185.560+/-0.035 χ^2/NDF :1373708.7/19

+ sign 206.241+/-0.033 χ^2/NDF : 4999130.3/37

All: 192.884+/-0.022 χ^2/NDF : 10924990.8/76

- 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: -10.826 $\pm$ 7.308 χ^2 /NDF:12.9/20

Right Out: -29.627 $\pm$ 12.328 χ^2 /NDF: 16.5/18

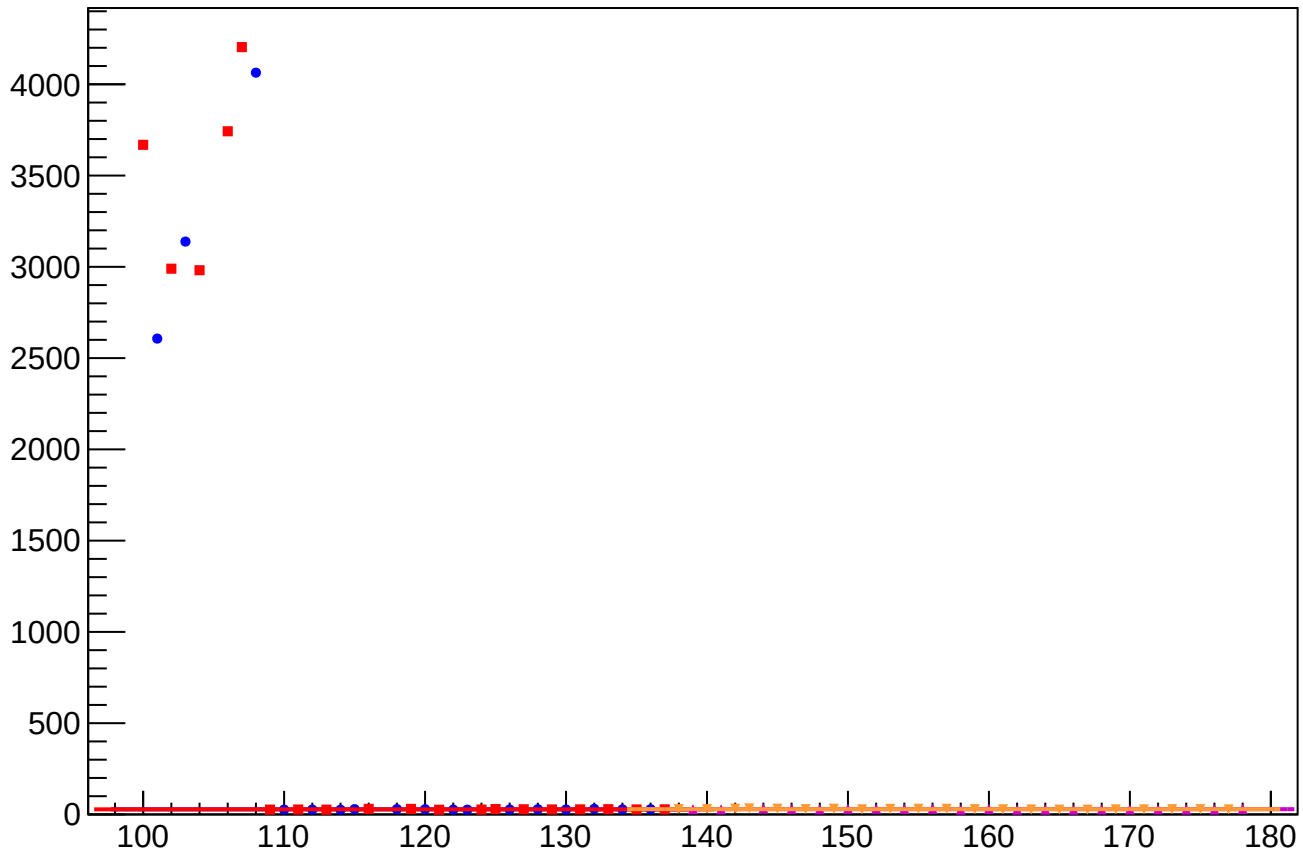
Left In: -1.565 $\pm$ 7.379 χ^2 /NDF:20.0/19

+ sign -5.480 $\pm$ 6.279 χ^2 /NDF: 38.1/37

All: -7.209 $\pm$ 4.458 χ^2 /NDF: 78.6/76

- 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: 28.976+/-0.005 χ^2/NDF : 106225.3/20

Right Out: 27.917+/-0.009 χ^2/NDF : 3479610.6/18

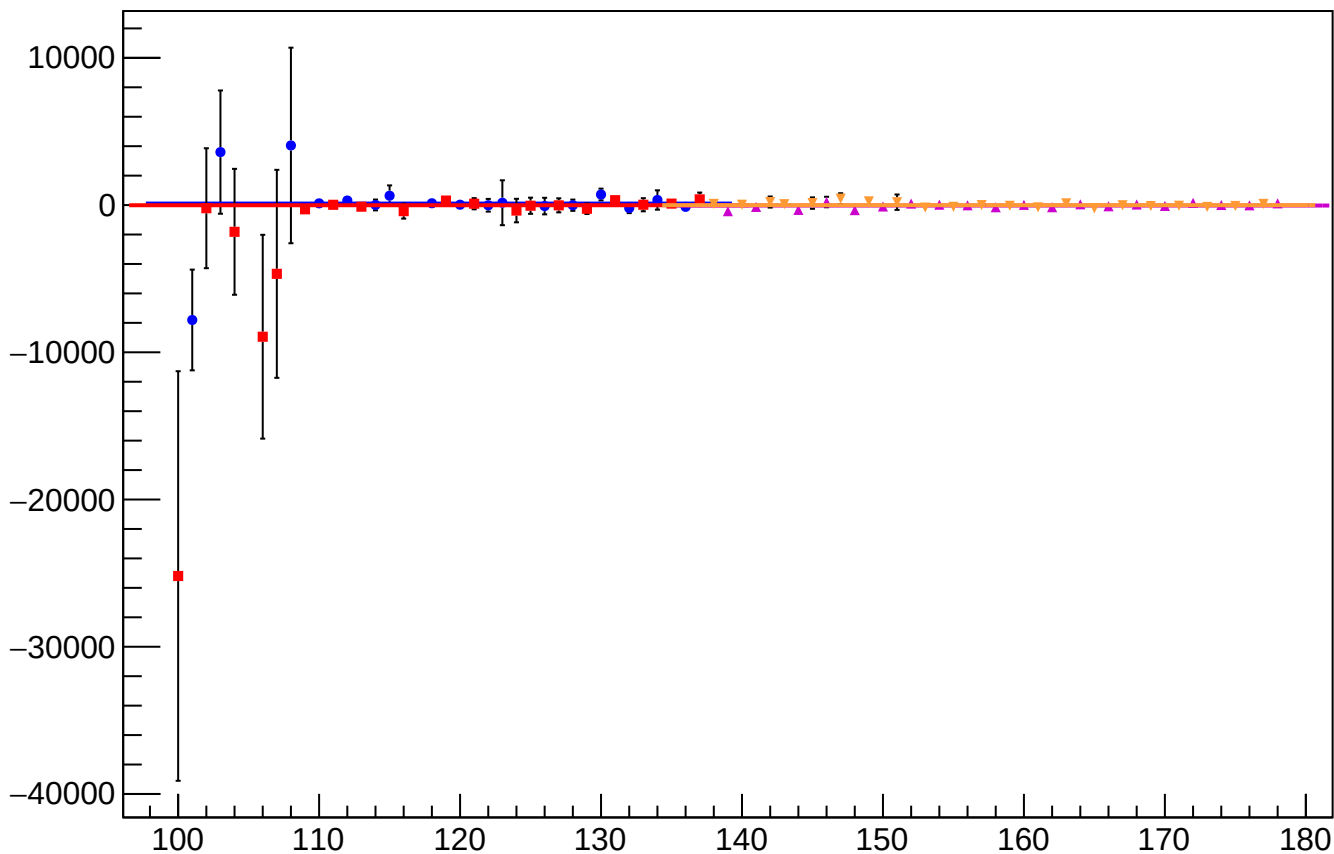
Left In: 28.884+/-0.005 χ^2/NDF : 123571.0/19

+ sign 28.726+/-0.004 χ^2/NDF : 3142129.1/37

All: 28.678+/-0.003 χ^2/NDF : 6754602.3/76

- 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: -5.851 $\pm$ 55.934 χ^2 /NDF: 5.7/20

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

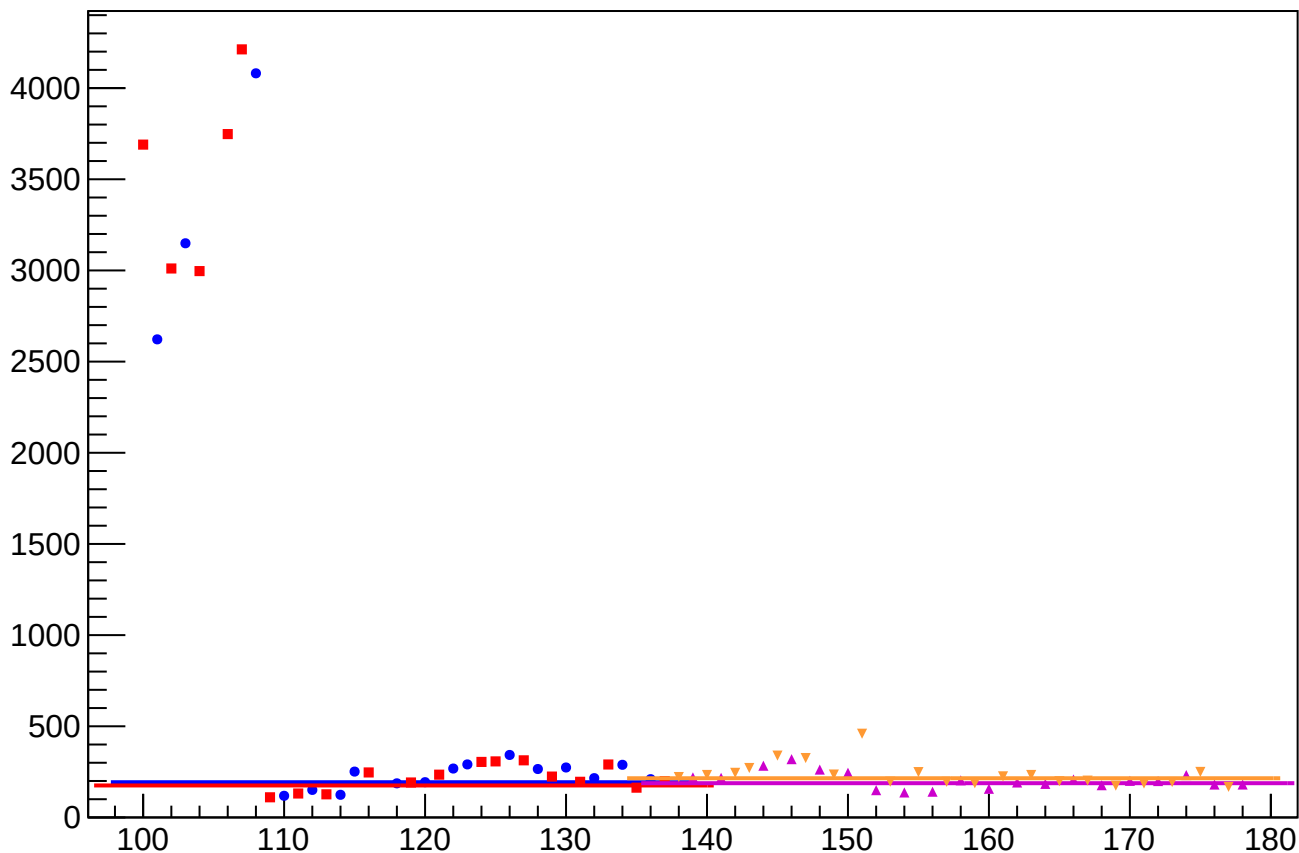
Left In: -31.099 $\pm$ 50.028 χ^2 /NDF: 7.3/19

+ sign 24.923 $\pm$ 47.266 χ^2 /NDF: 19.2/37

All: -2.960 $\pm$ 31.672 χ^2 /NDF: 39.3/76

- 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: 215.006+/-0.040 χ^2/NDF :1318504.1/20

Right Out: 175.485+/-0.058 χ^2/NDF : 4165391.7/18

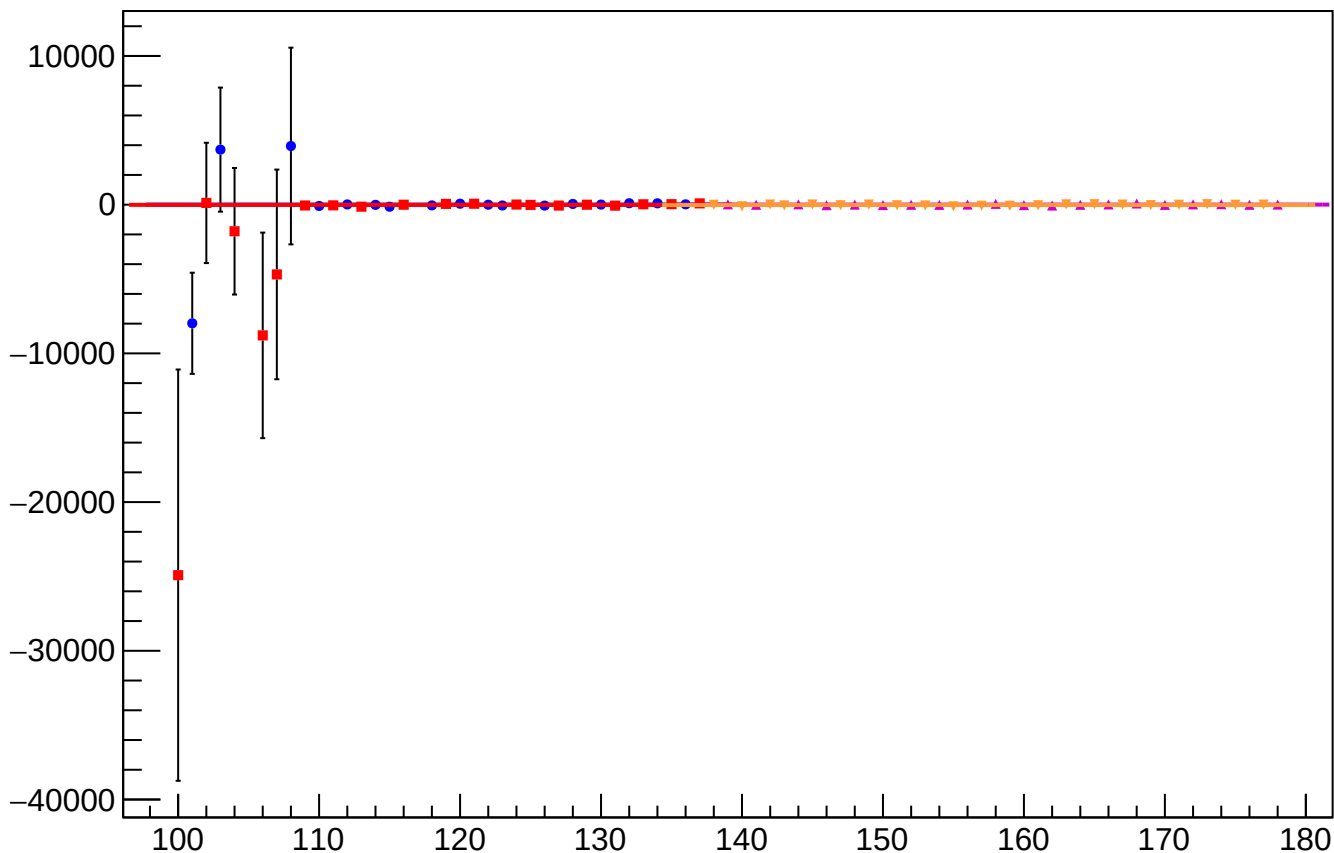
Left In: 187.900+/-0.035 χ^2/NDF :1345145.8/19

+ sign 208.768+/-0.033 χ^2/NDF : 4941626.5/37

All: 195.406+/-0.022 χ^2/NDF : 10775852.0/76

- 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: -24.537 $\pm$ 8.737 χ^2 /NDF:22.1/20

Right Out: -12.487 $\pm$ 14.947 χ^2 /NDF: 21.7/18

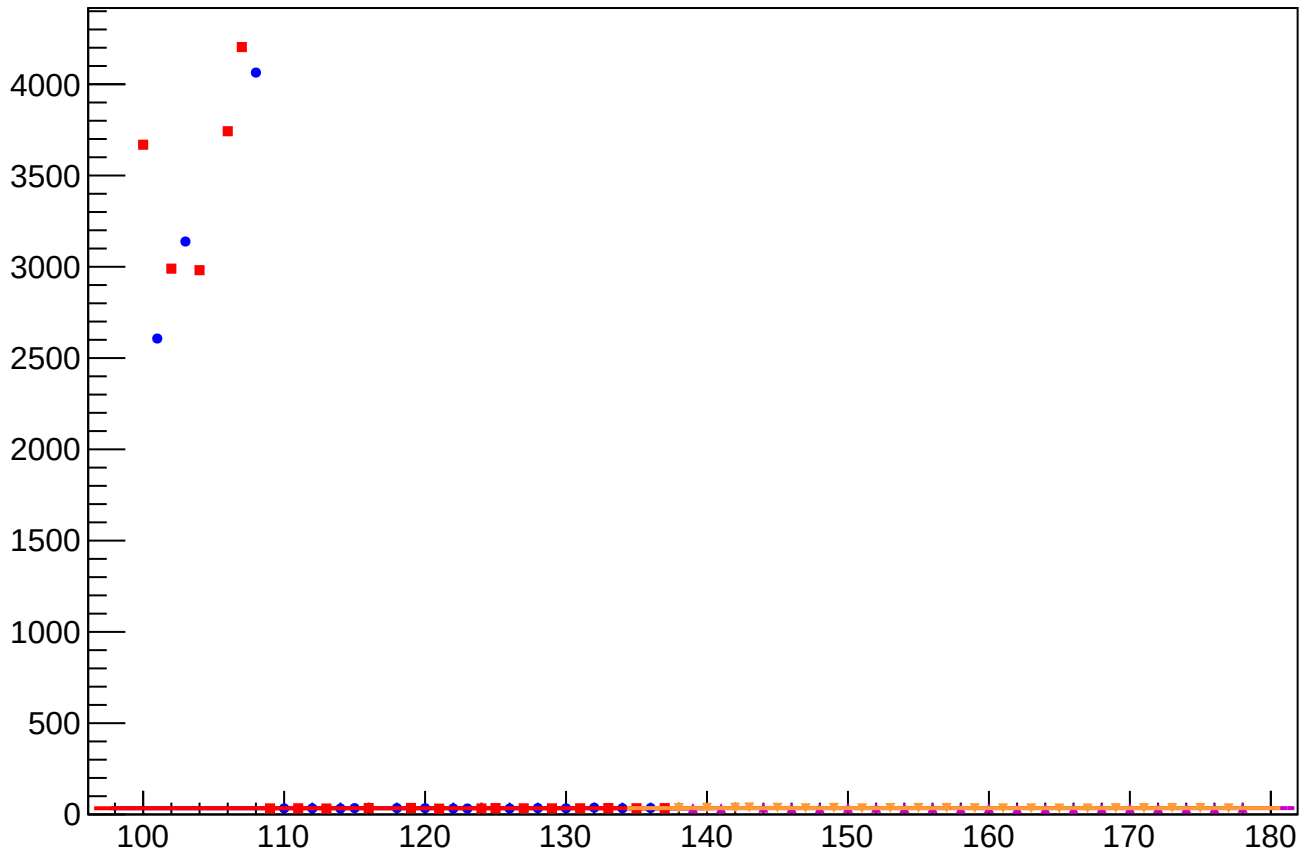
Left In: 5.070 $\pm$ 8.845 χ^2 /NDF:12.8/19

+ sign -17.095 $\pm$ 7.541 χ^2 /NDF: 45.3/37

All: -8.371 $\pm$ 5.357 χ^2 /NDF: 83.5/76

- 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: 34.697 $\pm$ 0.006 χ^2 /NDF: 49907.3/20

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

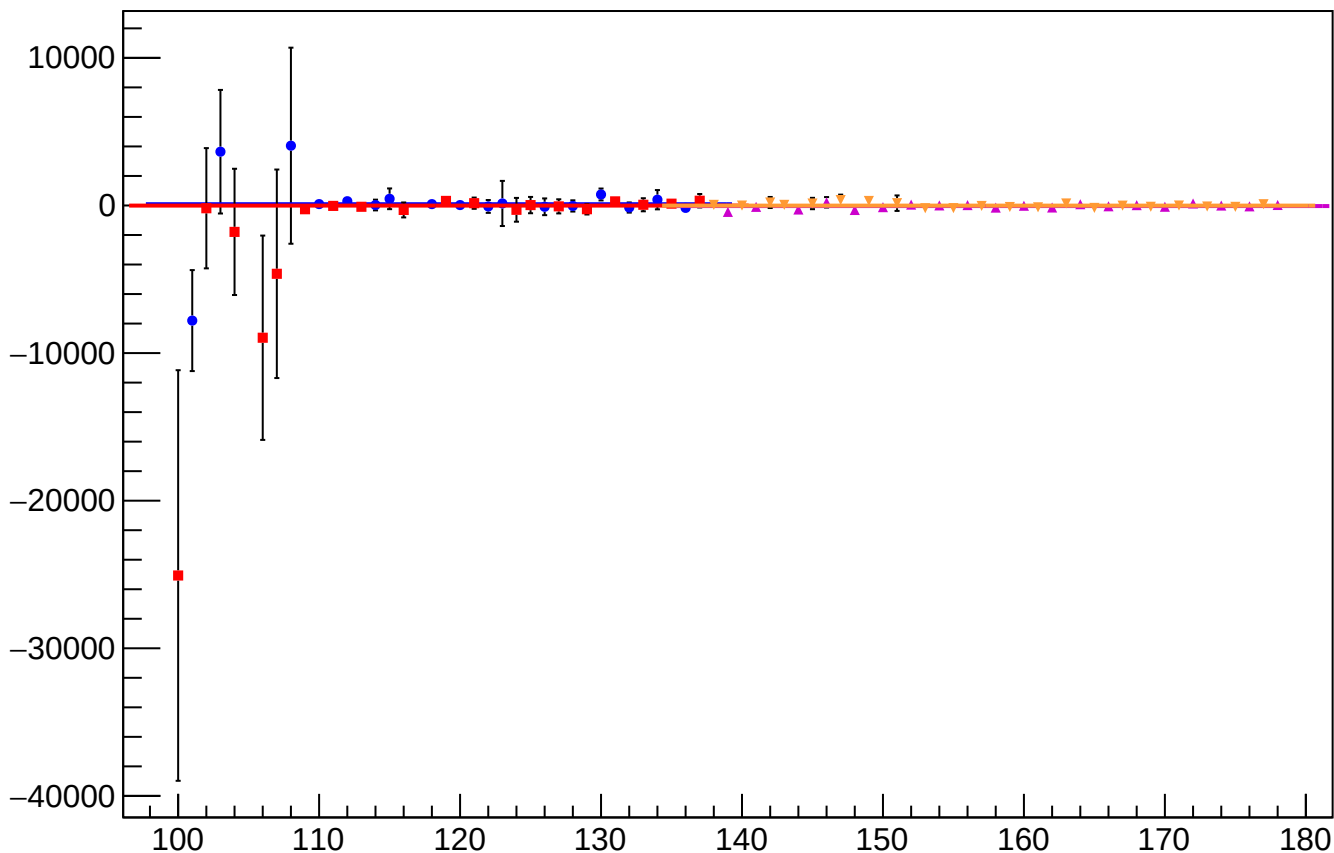
Left In: 34.683 $\pm$ 0.006 χ^2 /NDF: 58638.3/19

+ sign 34.554 $\pm$ 0.005 χ^2 /NDF: 3058245.9/37

All: 34.519 $\pm$ 0.004 χ^2 /NDF: 6572800.0/76

- 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: -8.889 $\pm$ 55.875 χ^2 /NDF: 5.7/20

Right Out: -7.296 $\pm$ 81.208 χ^2 /NDF: 11.1/18

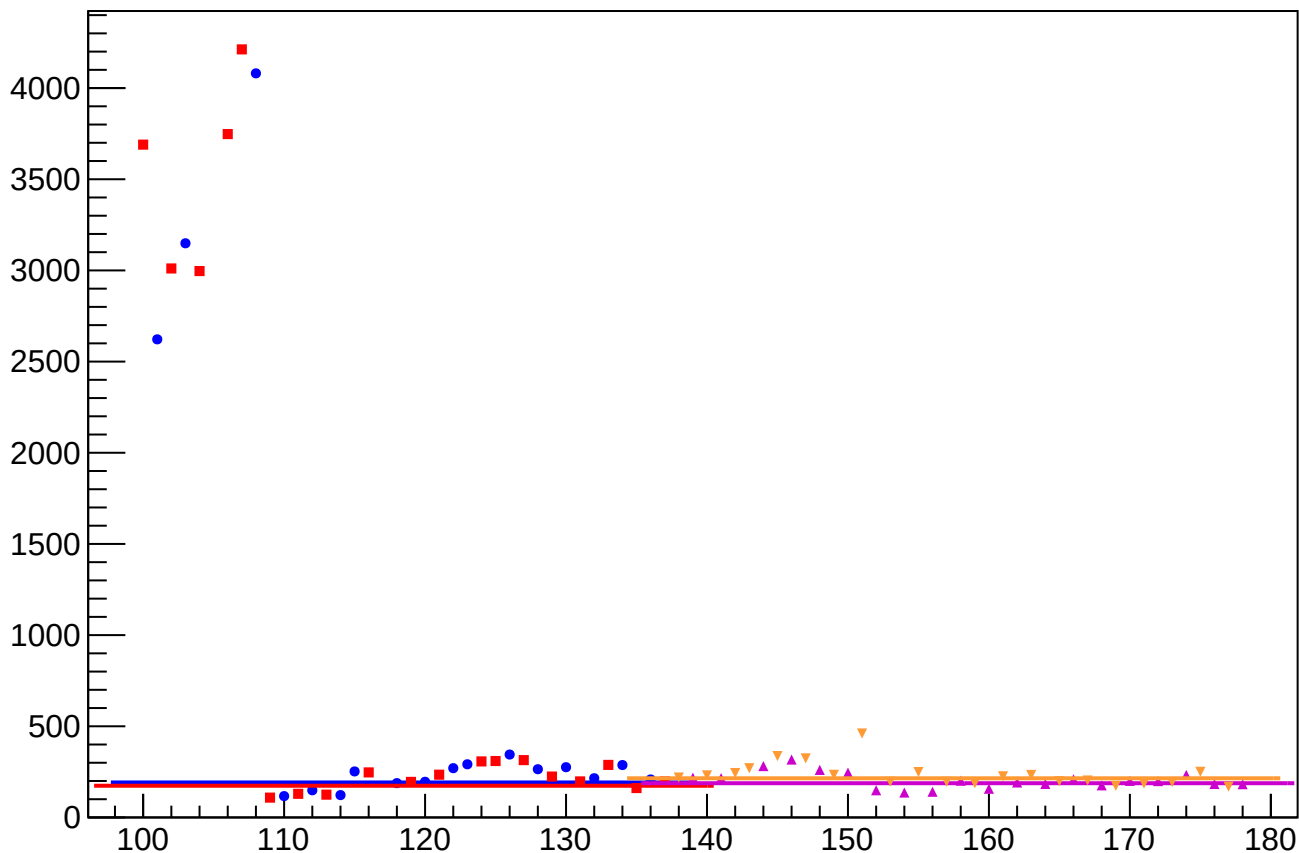
Left In: -39.573 $\pm$ 49.992 χ^2 /NDF: 6.2/19

+ sign 18.409 $\pm$ 47.162 χ^2 /NDF: 18.9/37

All: -8.652 $\pm$ 31.601 χ^2 /NDF: 36.9/76

- 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 $\pm$ 0.062 χ^2 /NDF: 3573060.2/16

Left Out: 214.816 $\pm$ 0.040 χ^2 /NDF:1301270.7/20

Right Out: 173.928 $\pm$ 0.057 χ^2 /NDF: 4211385.1/18

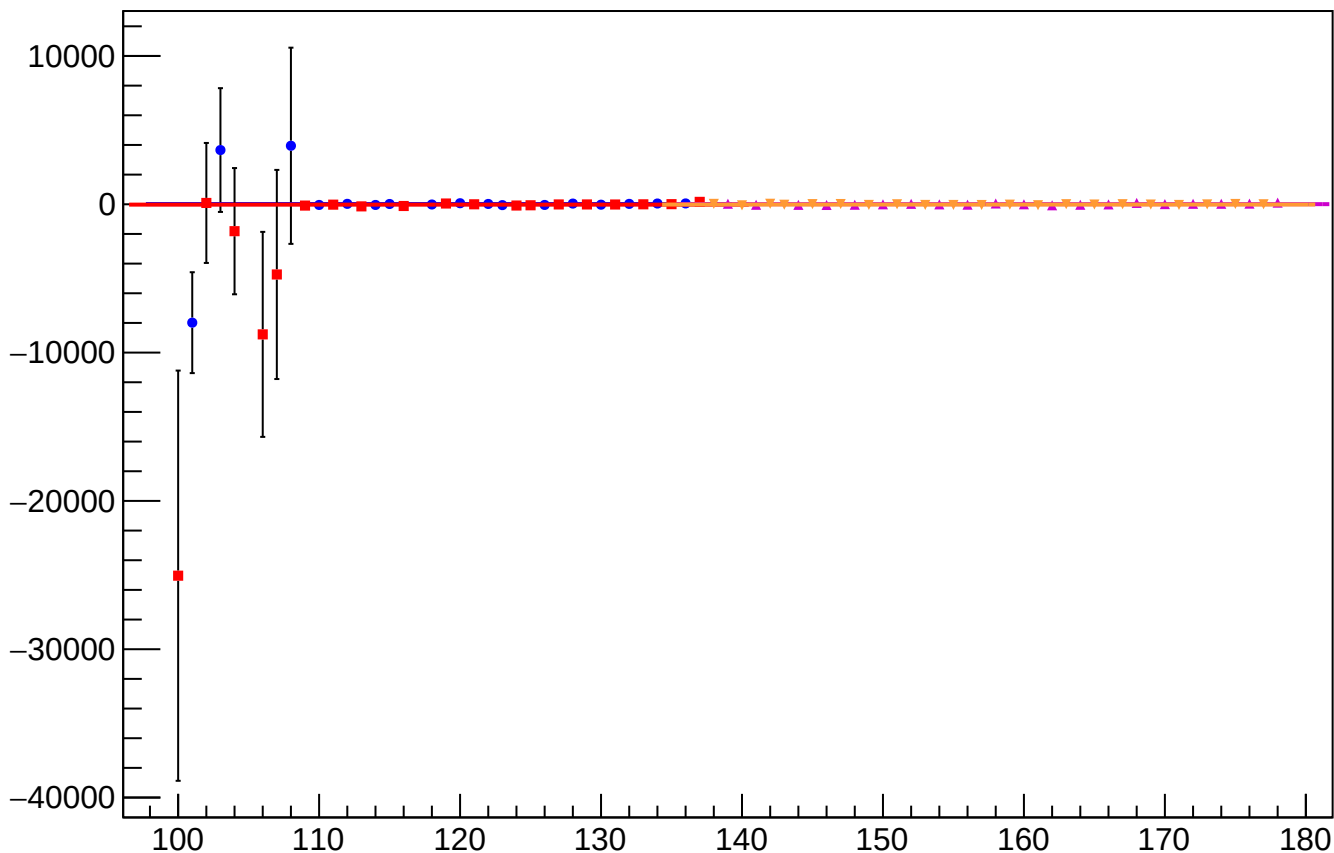
Left In: 187.776 $\pm$ 0.035 χ^2 /NDF:1332639.0/19

+ sign 208.221 $\pm$ 0.033 χ^2 /NDF: 4971240.8/37

All: 194.858 $\pm$ 0.022 χ^2 /NDF: 10848821.4/70

- sign 183.970 $\pm$ 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: -17.937+/-7.939 χ^2/NDF :13.8/20

Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

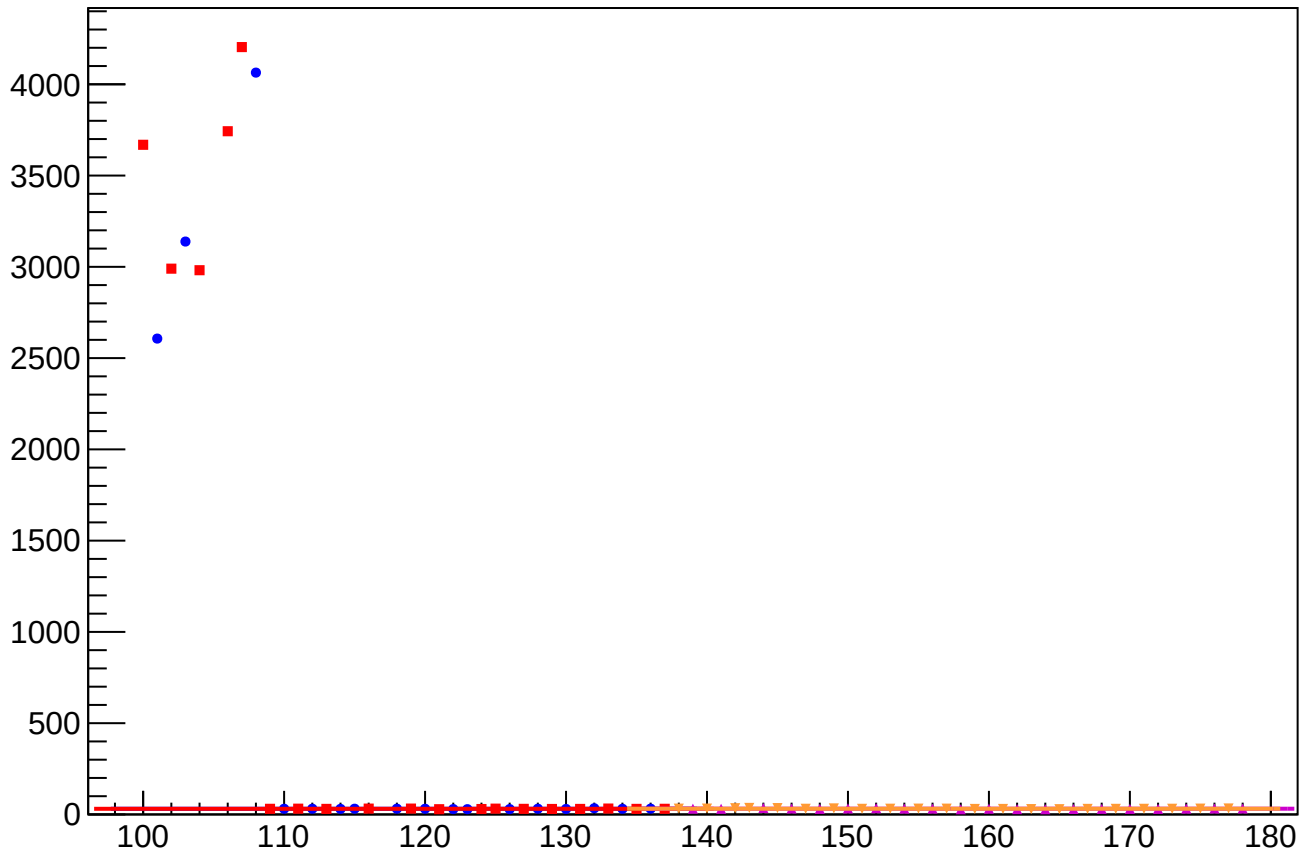
Left In: 8.195+/-8.032 χ^2/NDF :32.9/19

+ sign -9.805+/-6.859 χ^2/NDF : 33.1/37

All: -4.908+/-4.872 χ^2/NDF : 98.5/76

- 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: 31.502 $\pm$ 0.006 χ^2 /NDF: 76403.2/20

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

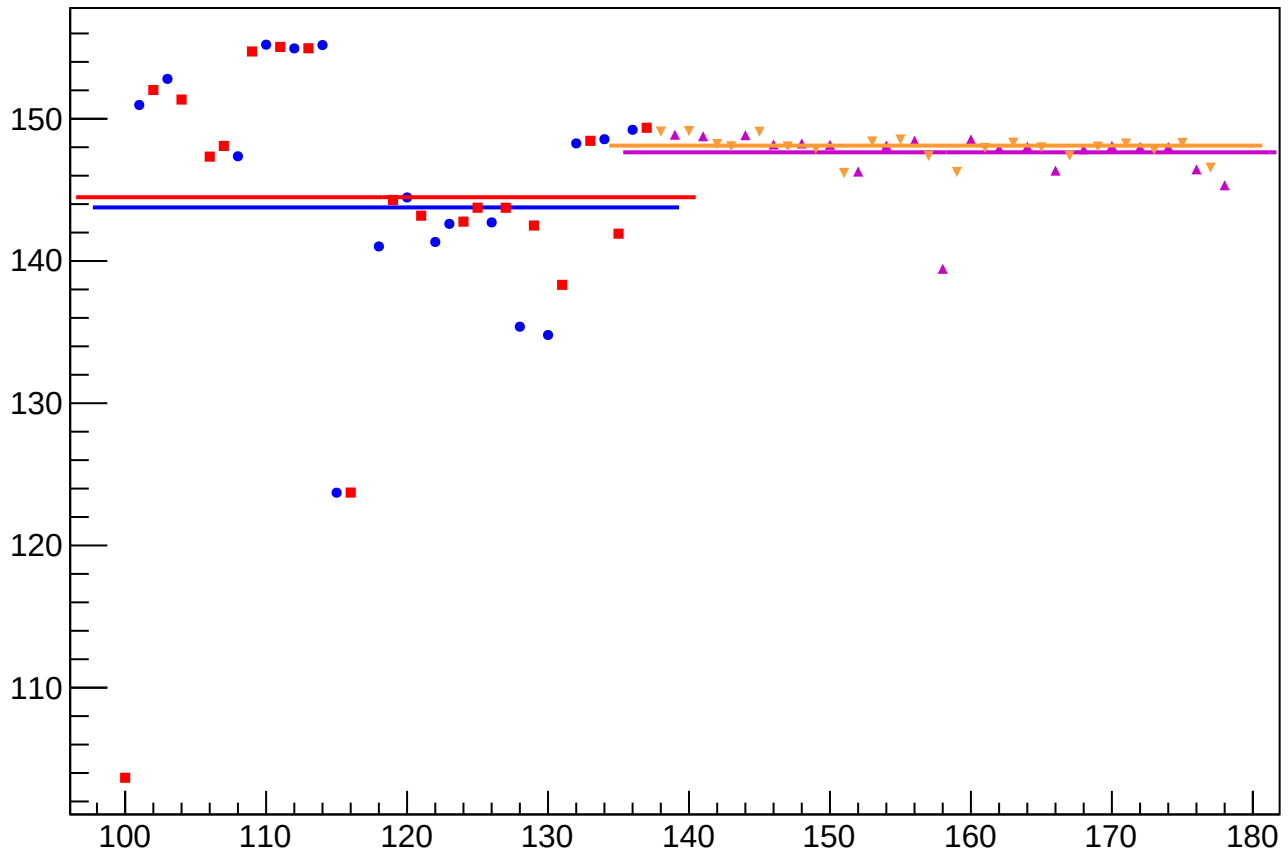
Left In: 31.458 $\pm$ 0.006 χ^2 /NDF: 87013.7/19

+ sign 31.407 $\pm$ 0.005 χ^2 /NDF: 3091964.6/37

All: 31.369 $\pm$ 0.003 χ^2 /NDF: 6639999.8/76

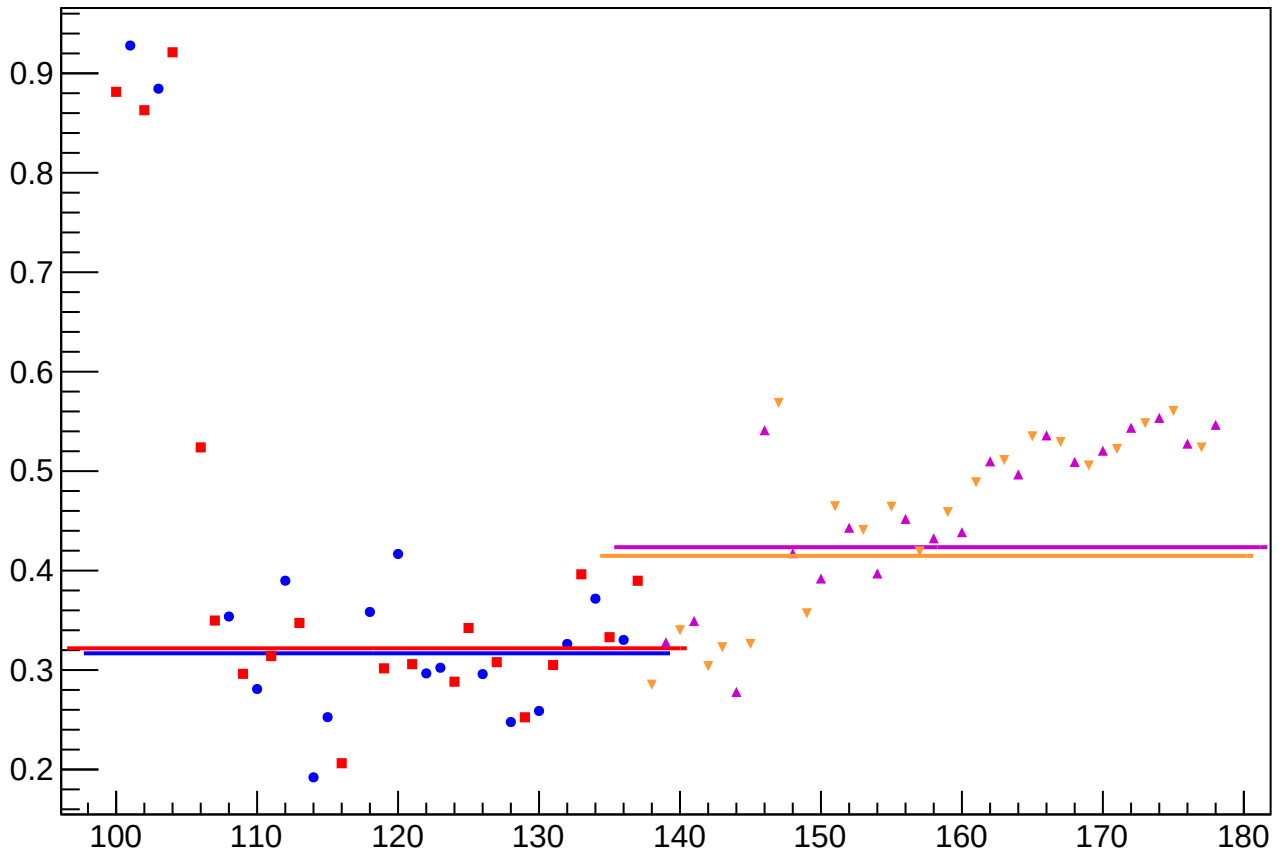
- sign 31.331 $\pm$ 0.005 χ^2 /NDF: 3547914.0/38

yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000	χ^2 /NDF: 3532173868.5/16	+ sign 146.389 $\pm$ 0.000	χ^2 /NDF: 4225939317.3/37
Left Out: 148.114 $\pm$ 0.000	χ^2 /NDF: 59856567.2/20	All: 146.362 $\pm$ 0.000	χ^2 /NDF: 9083471107.9
Right Out: 144.486 $\pm$ 0.000	χ^2 /NDF: 4183608291.3/18	- sign 146.335 $\pm$ 0.000	χ^2 /NDF: 4857327338.5/38
Left In: 147.642 $\pm$ 0.000	χ^2 /NDF: 343478620.0/19		

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.415 ± 0.000 χ^2/NDF : 1486203.2/20

Right Out: 0.322 ± 0.000 χ^2/NDF : 1217762.5/18

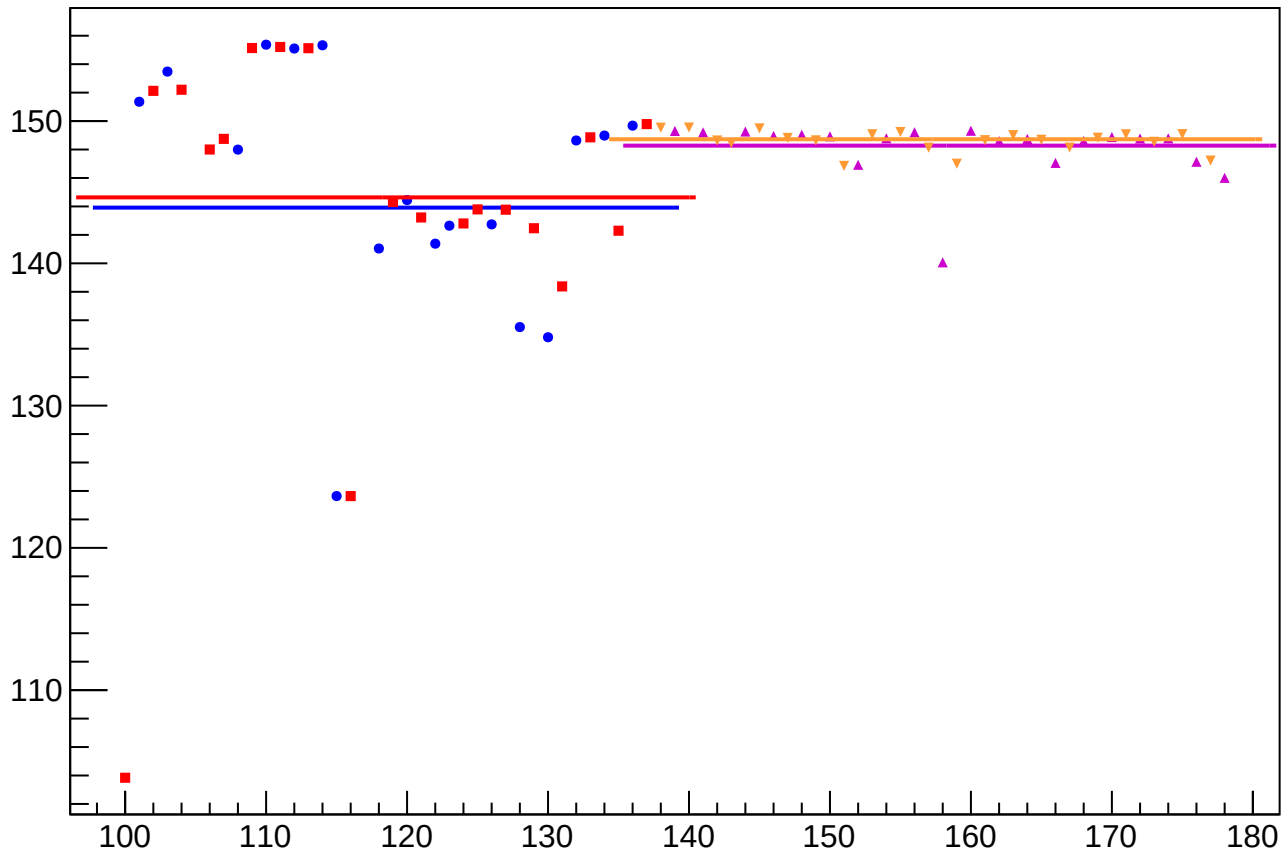
Left In: 0.424 ± 0.000 χ^2/NDF : 1241916.4/19

+ sign 0.376 ± 0.000 χ^2/NDF : 3409152.4/37

All: 0.379 ± 0.000 χ^2/NDF : 6558186.2/76

- sign 0.381 ± 0.000 χ^2/NDF : 3144823.4/38

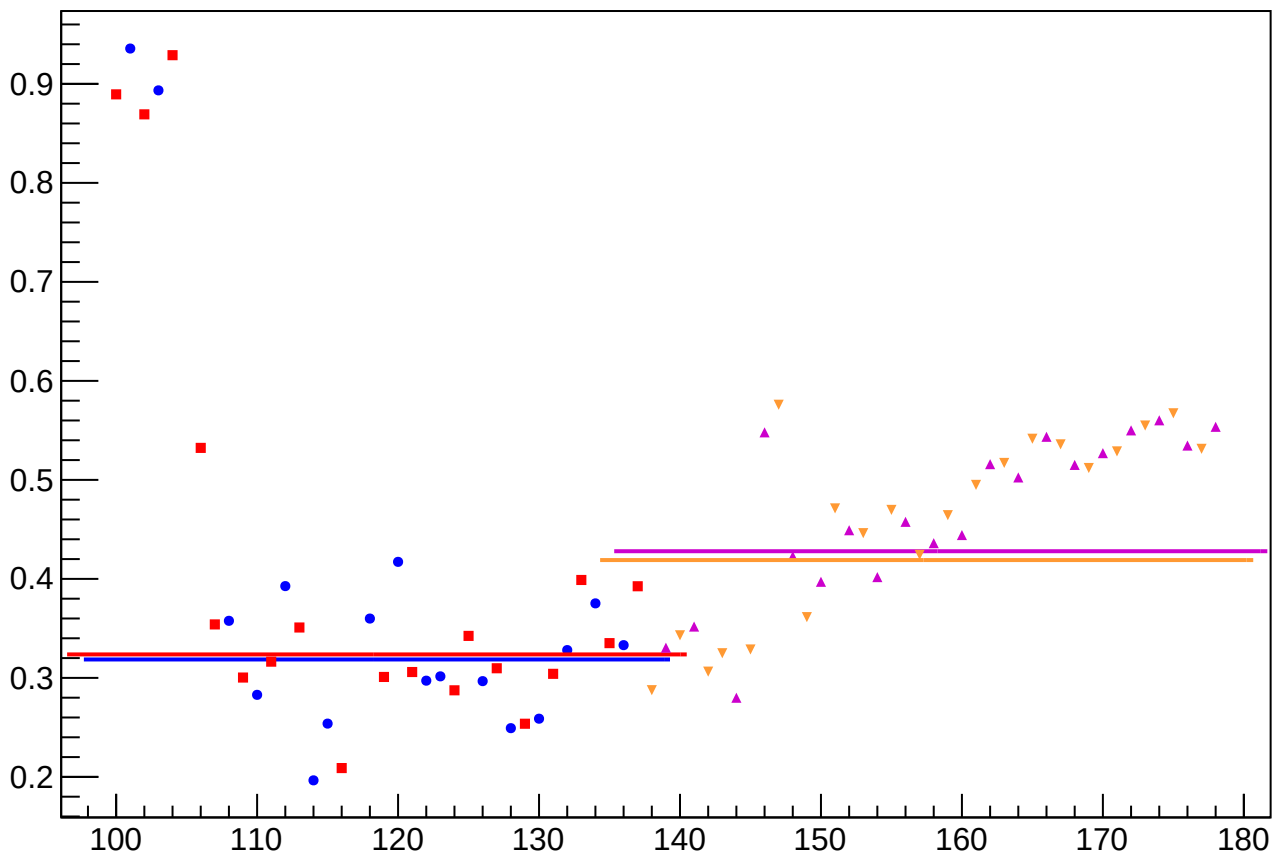
yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 ± 0.000 χ^2/NDF : 3584662767.5/16
 Left Out: 148.723 ± 0.000 χ^2/NDF : 47909141.0/20
 Right Out: 144.637 ± 0.000 χ^2/NDF : 4210524953.9/18
 Left In: 148.275 ± 0.000 χ^2/NDF : 331872110.7/19

+ sign 146.803 ± 0.000 χ^2/NDF : 4396148879.2/37
 All: 146.781 ± 0.000 χ^2/NDF : 9370406728.6
 - sign 146.759 ± 0.000 χ^2/NDF : 4974121472.3/38

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 ± 0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.419 ± 0.000 χ^2/NDF : 1513015.3/20

Right Out: 0.324 ± 0.000 χ^2/NDF : 1220898.3/18

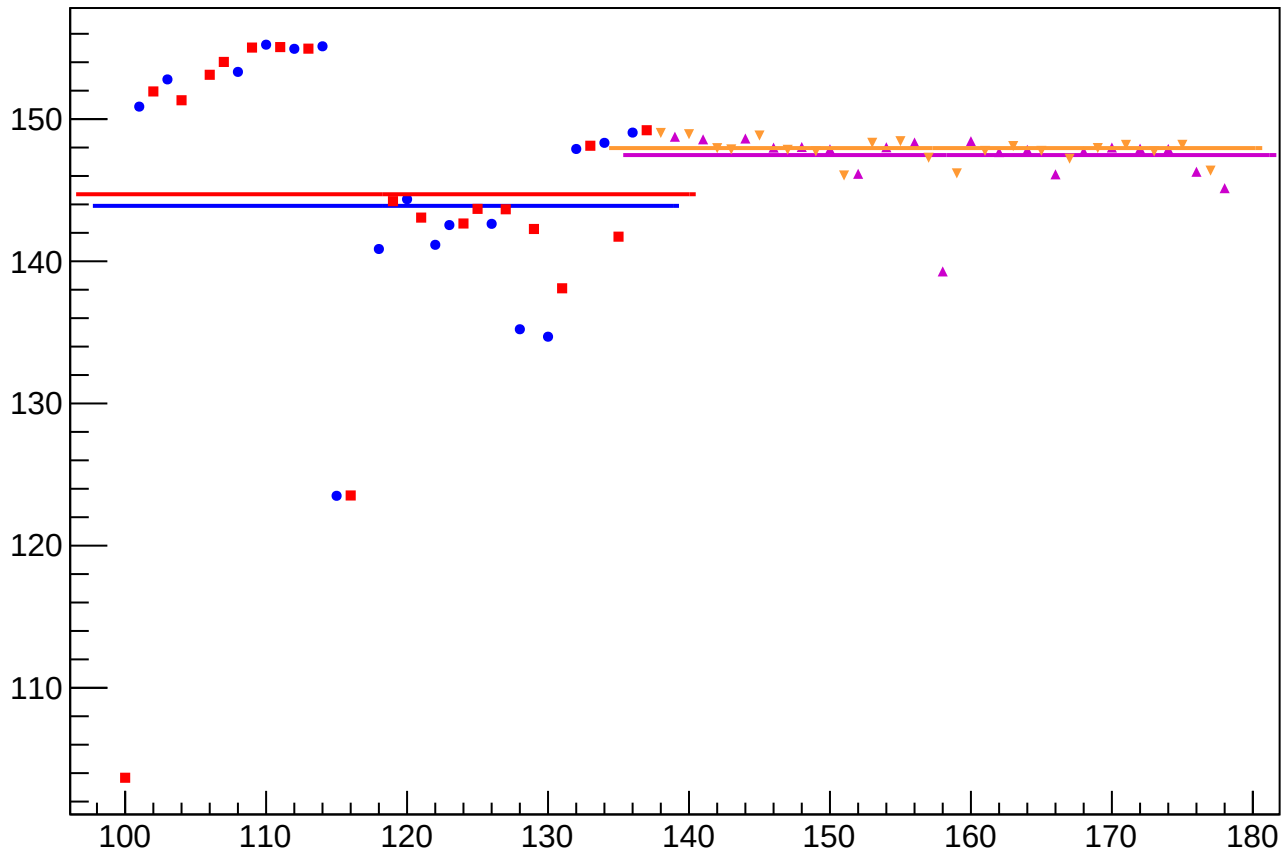
Left In: 0.428 ± 0.000 χ^2/NDF : 1264899.4/19

+ sign 0.379 ± 0.000 χ^2/NDF : 3460288.5/37

All: 0.382 ± 0.000 χ^2/NDF : 6659245.3/76

- sign 0.385 ± 0.000 χ^2/NDF : 3194701.2/38

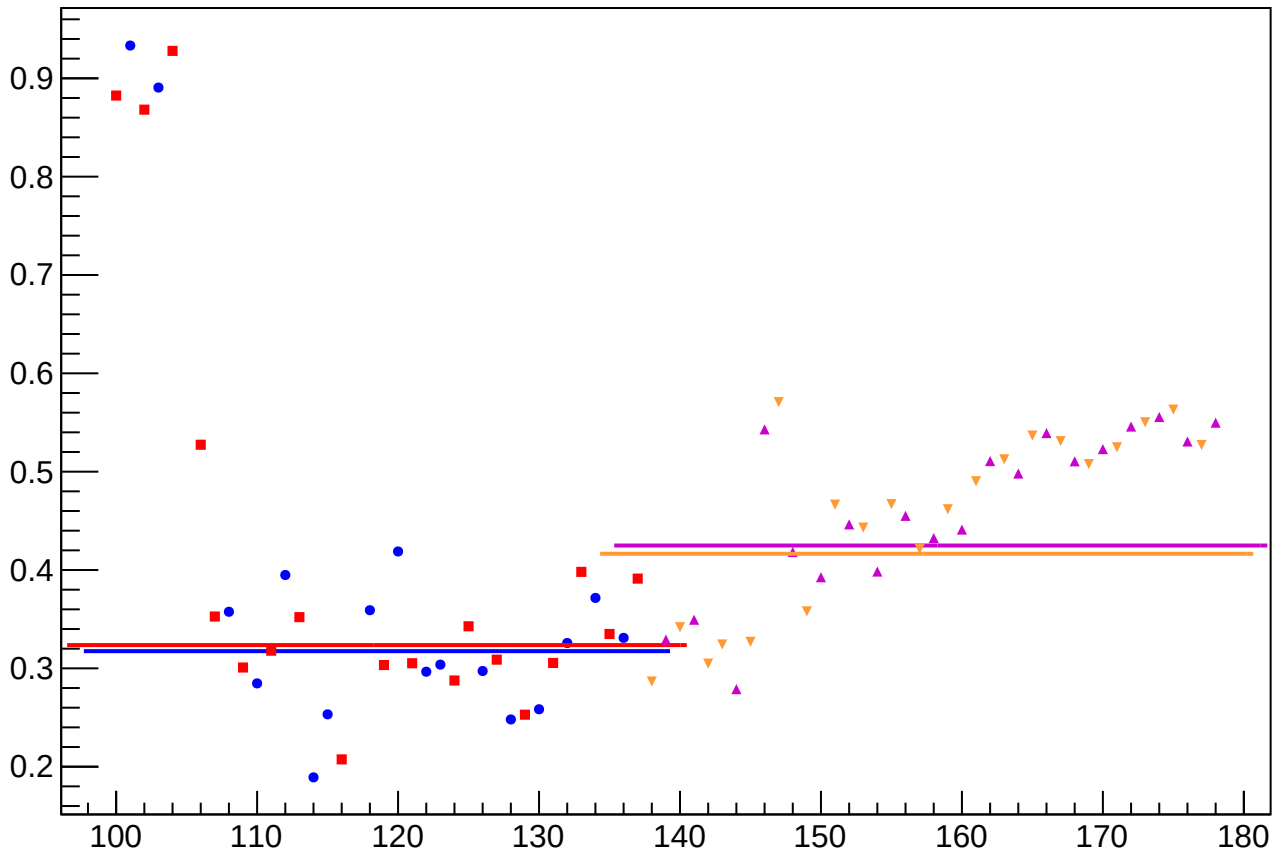
yield_bcm_an_us_mean vs Slug



Right In: 143.899 $\pm$ 0.000 χ^2/NDF : 3749888331.0/16
 Left Out: 147.962 $\pm$ 0.000 χ^2/NDF : 58481007.9/20
 Right Out: 144.715 $\pm$ 0.000 χ^2/NDF : 4474458988.7/18
 Left In: 147.471 $\pm$ 0.000 χ^2/NDF : 342483964.3/19

+ sign 146.346 $\pm$ 0.000 χ^2/NDF : 4358631161.7/37
 All: 146.339 $\pm$ 0.000 χ^2/NDF : 9424926190.8
 - sign 146.332 $\pm$ 0.000 χ^2/NDF : 5066280989.9/38

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.417 ± 0.000 χ^2/NDF : 1488870.5/20

Right Out: 0.324 ± 0.000 χ^2/NDF : 1221676.7/18

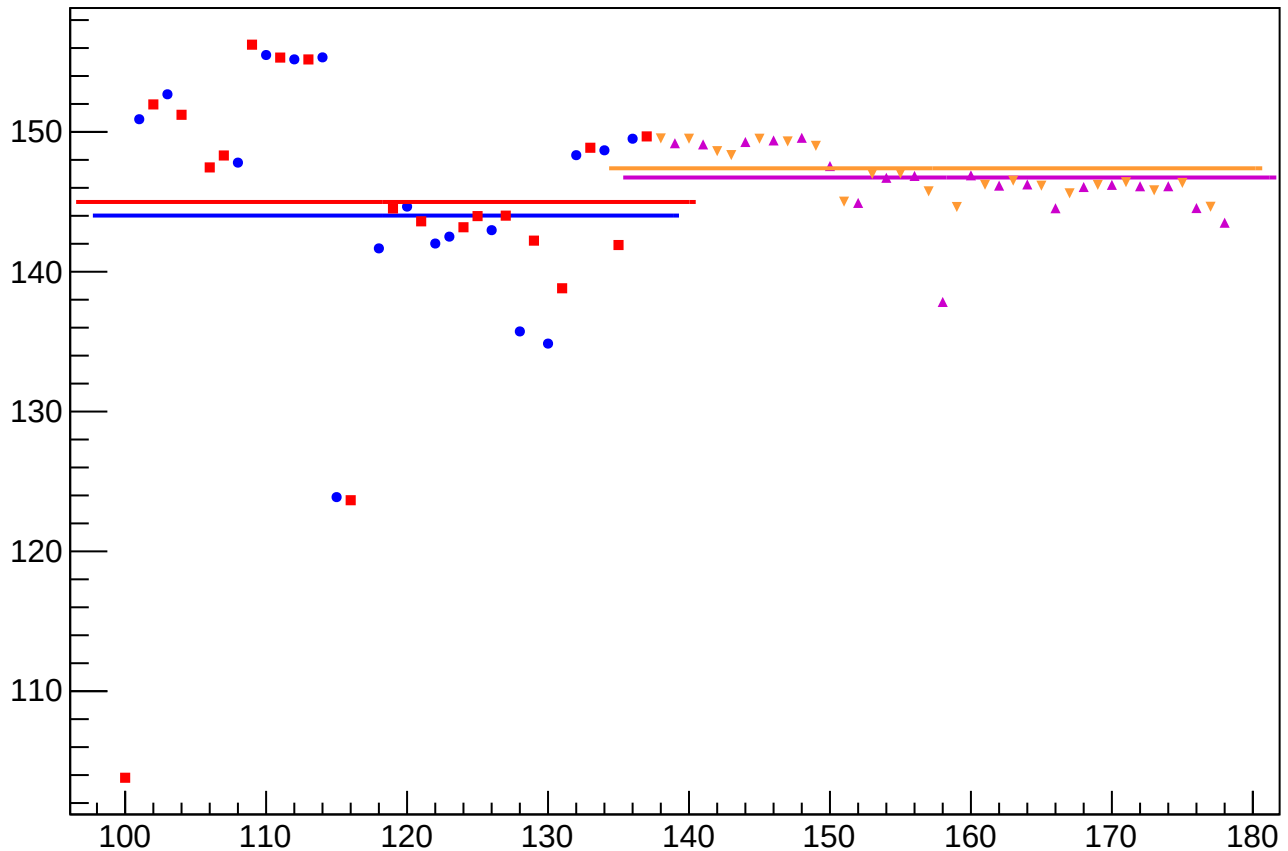
Left In: 0.425 ± 0.000 χ^2/NDF : 1250673.5/19

+ sign 0.377 ± 0.000 χ^2/NDF : 3435921.0/37

All: 0.380 ± 0.000 χ^2/NDF : 6586202.2/76

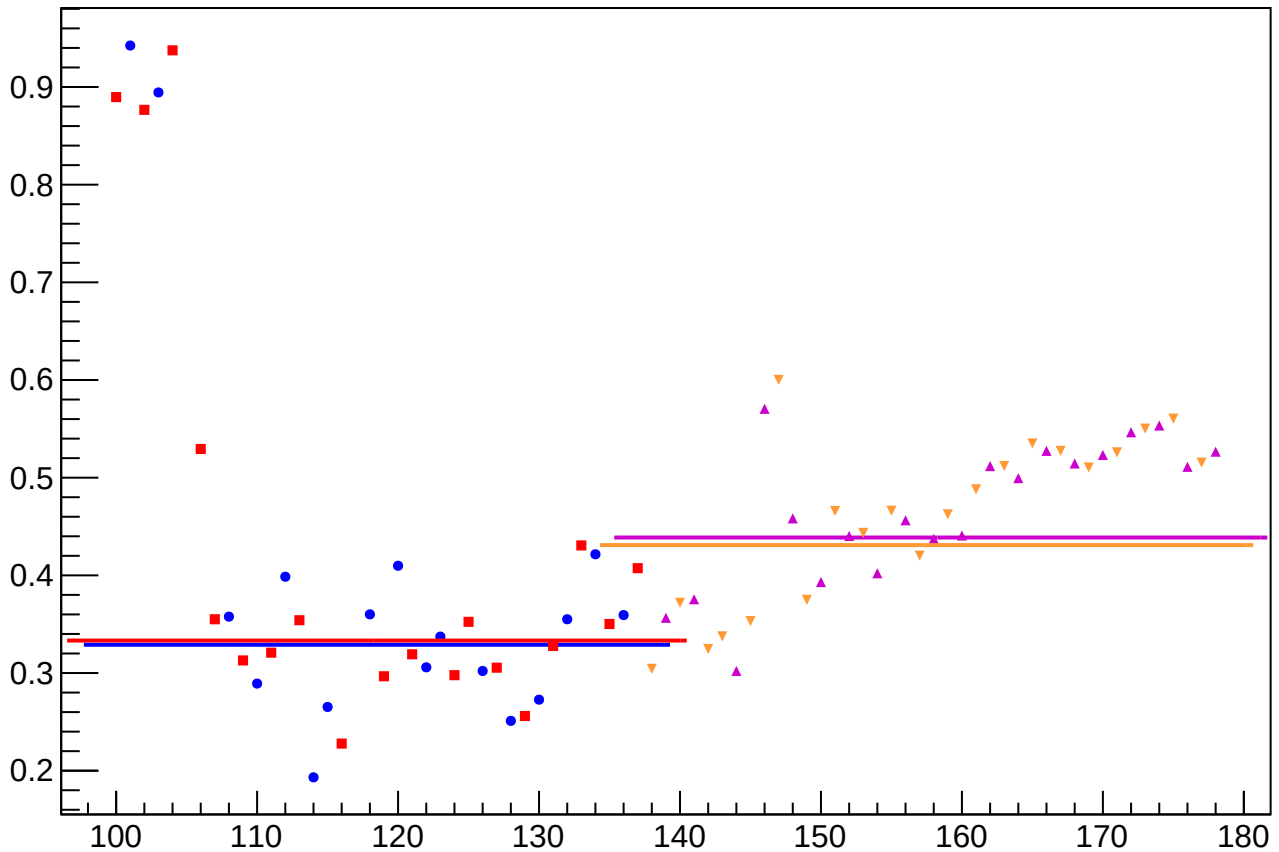
- sign 0.383 ± 0.000 χ^2/NDF : 3145479.0/38

yield_bcm_dg_us_mean vs Slug



Right In: 144.018+/-0.000	χ^2/NDF : 3238525527.6/16	+ sign 146.066+/-0.000	χ^2/NDF : 3827994879.9/37
Left Out: 147.398+/-0.000	χ^2/NDF : 233693170.3/20	All: 146.043+/-0.000	χ^2/NDF : 8328244485.8
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 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.431 ± 0.000 χ^2/NDF : 1150066.4/20

Right Out: 0.333 ± 0.000 χ^2/NDF : 1182496.7/18

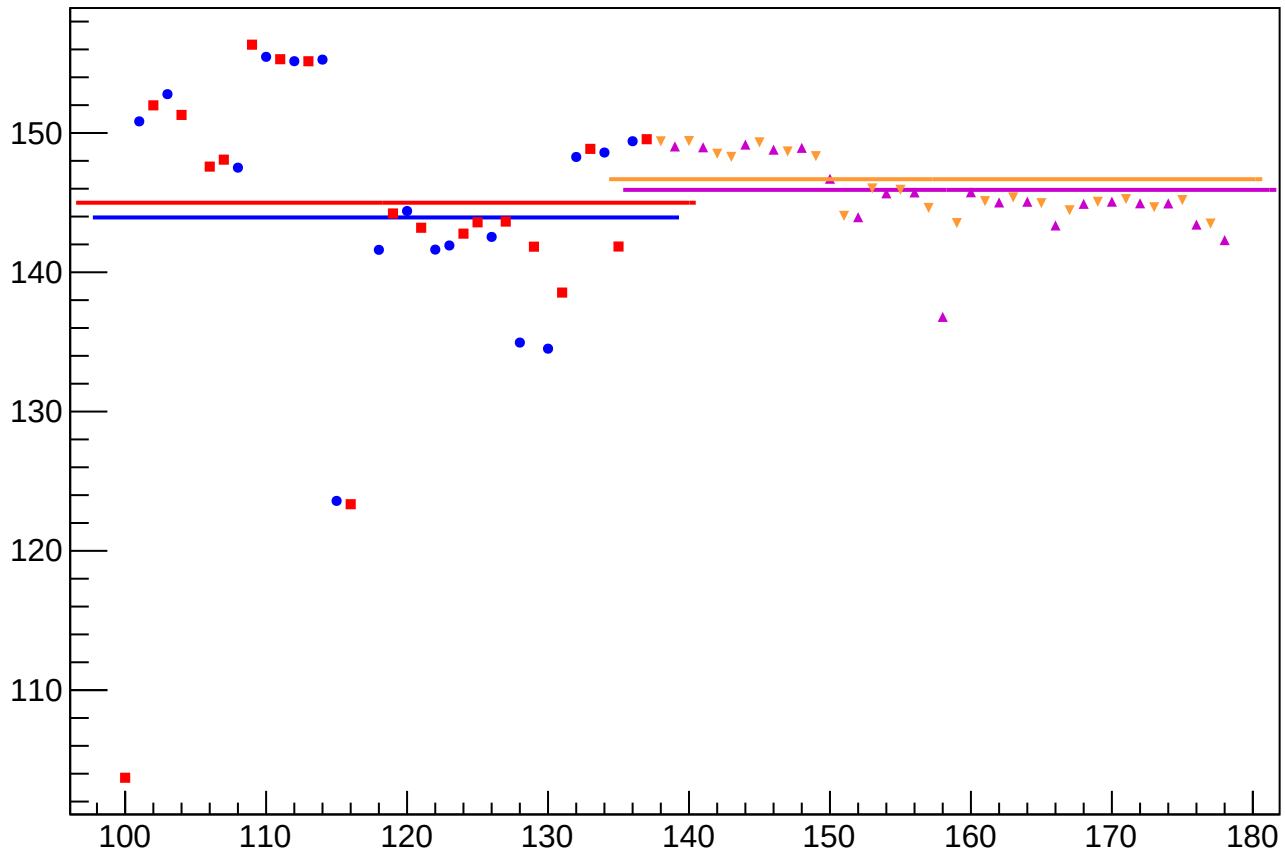
Left In: 0.439 ± 0.000 χ^2/NDF : 917596.1/19

+ sign 0.391 ± 0.000 χ^2/NDF : 3074218.7/37

All: 0.393 ± 0.000 χ^2/NDF : 5866684.3/76

- sign 0.395 ± 0.000 χ^2/NDF : 2789814.5/38

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16

Left Out: 146.683 $\pm$ 0.000 χ^2 /NDF: 359377242.3/20

Right Out: 144.995 $\pm$ 0.000 χ^2 /NDF: 3934069043.2/18

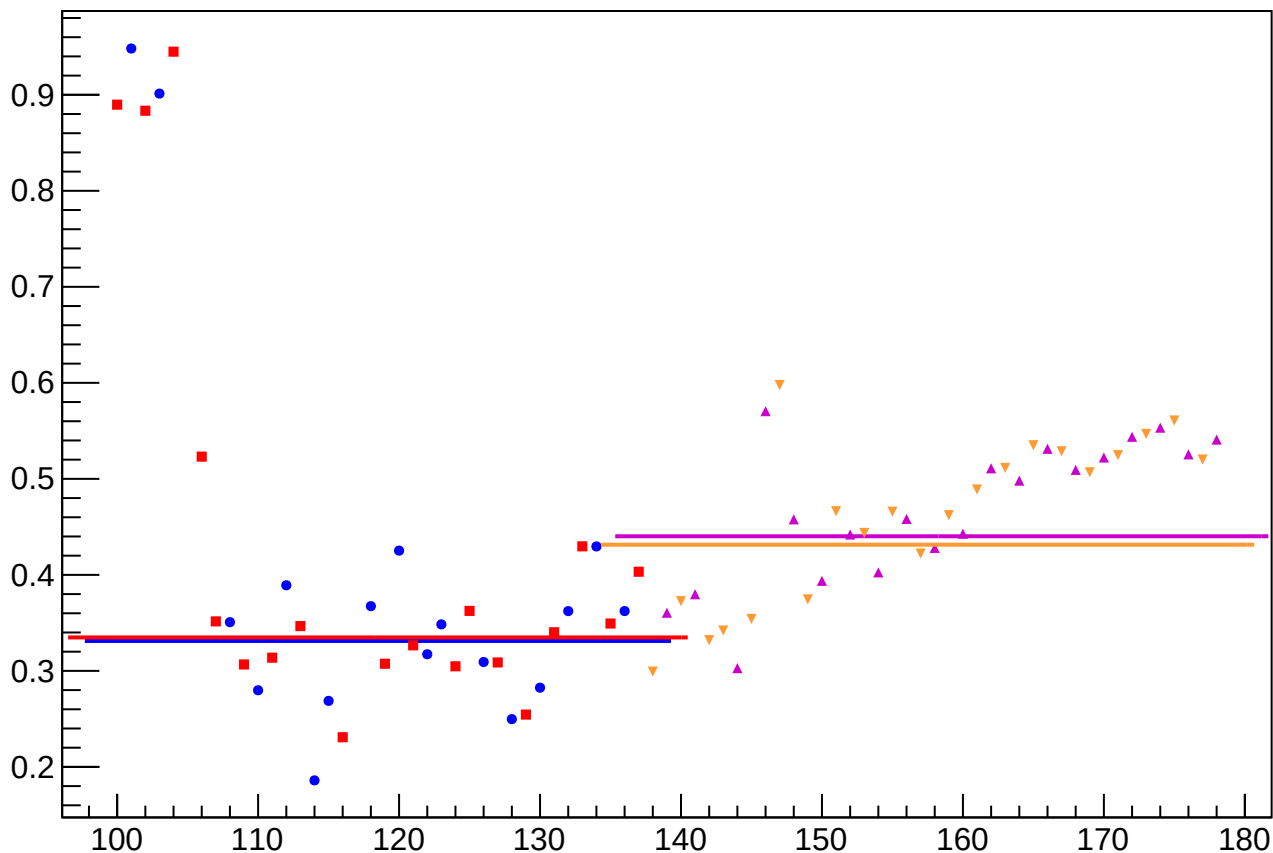
Left In: 145.916 $\pm$ 0.000 χ^2 /NDF: 683349473.0/19

+ sign 145.610 $\pm$ 0.000 χ^2 /NDF: 3970597350.3/37

All: 145.574 $\pm$ 0.000 χ^2 /NDF: 8614424073.9

- sign 145.538 $\pm$ 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: 0.431 $\pm$ 0.000 χ^2 /NDF:1142664.7/20

Right Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1172239.8/18

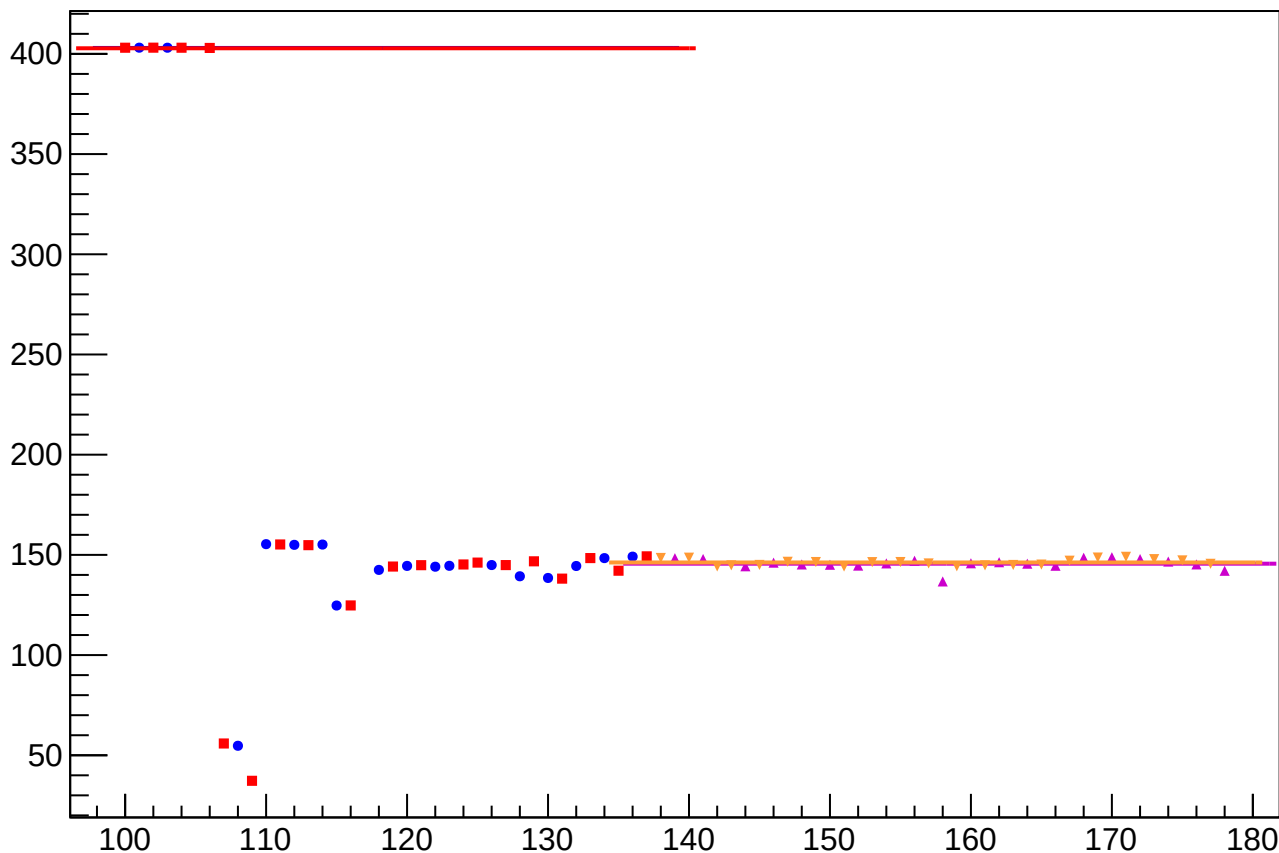
Left In: 0.440 $\pm$ 0.000 χ^2 /NDF:910106.4/19

+ sign 0.392 $\pm$ 0.000 χ^2 /NDF: 3056995.0/37

All: 0.395 $\pm$ 0.000 χ^2 /NDF: 5824127.2/76

- sign 0.397 $\pm$ 0.000 χ^2 /NDF: 2764362.4/38

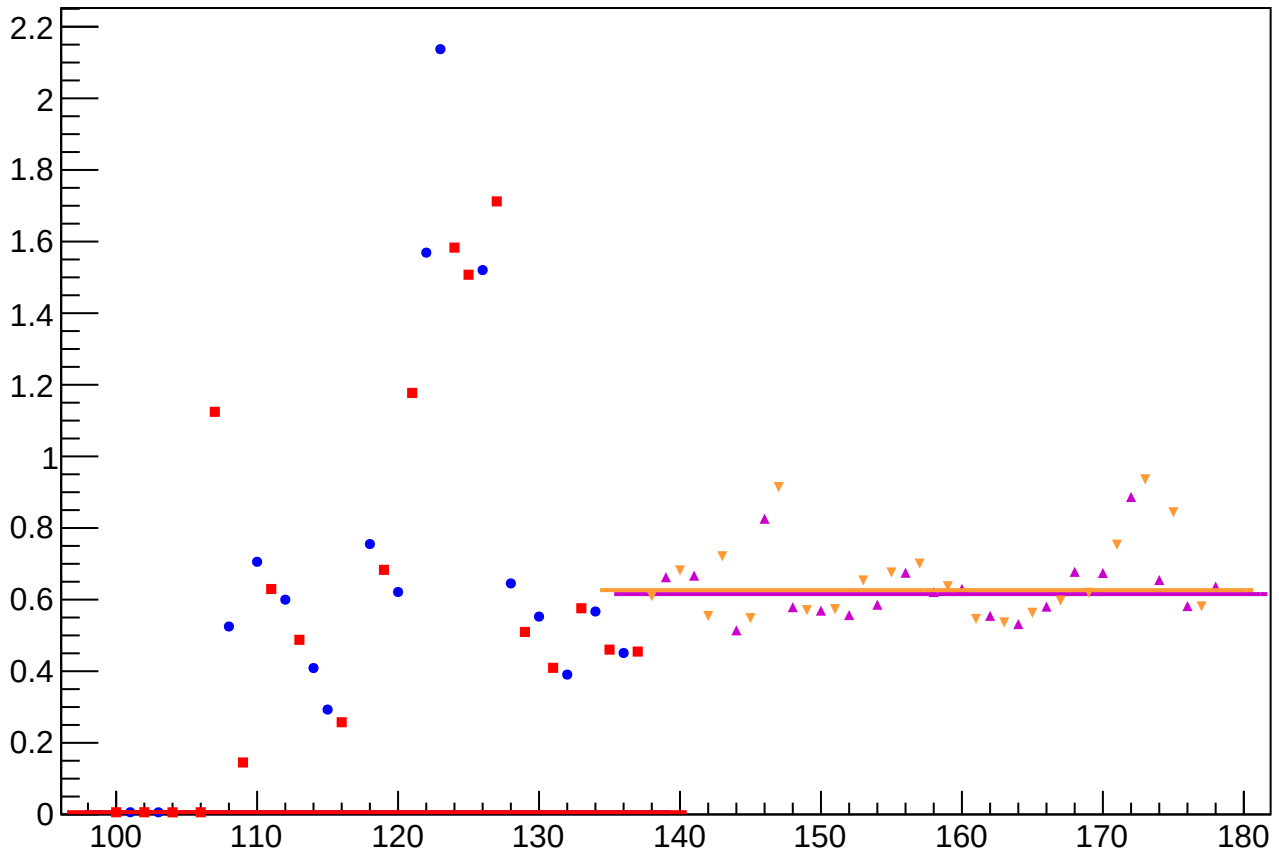
yield_cav4bQ_mean vs Slug



Right In: 402.957 $\pm$ 0.000 χ^2 /NDF: 1096710296821.6/16
 Left Out: 146.211 $\pm$ 0.000 χ^2 /NDF: 74713797.7/20
 Right Out: 402.799 $\pm$ 0.000 χ^2 /NDF: 3103890772575.4/18
 Left In: 145.602 $\pm$ 0.000 χ^2 /NDF: 191867869.4/19

+ sign 402.707 $\pm$ 0.000 χ^2 /NDF: 3098987575146.8
 All: 402.635 $\pm$ 0.000 χ^2 /NDF: 826622960394
 - sign 402.571 $\pm$ 0.000 χ^2 /NDF: 5166936676538.6

yield_cav4bQ_rms vs Slug



Right In: 0.006 ± 0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.626 ± 0.000 χ^2/NDF : 558007.7/20

Right Out: 0.006 ± 0.000 χ^2/NDF : 9212402.0/18

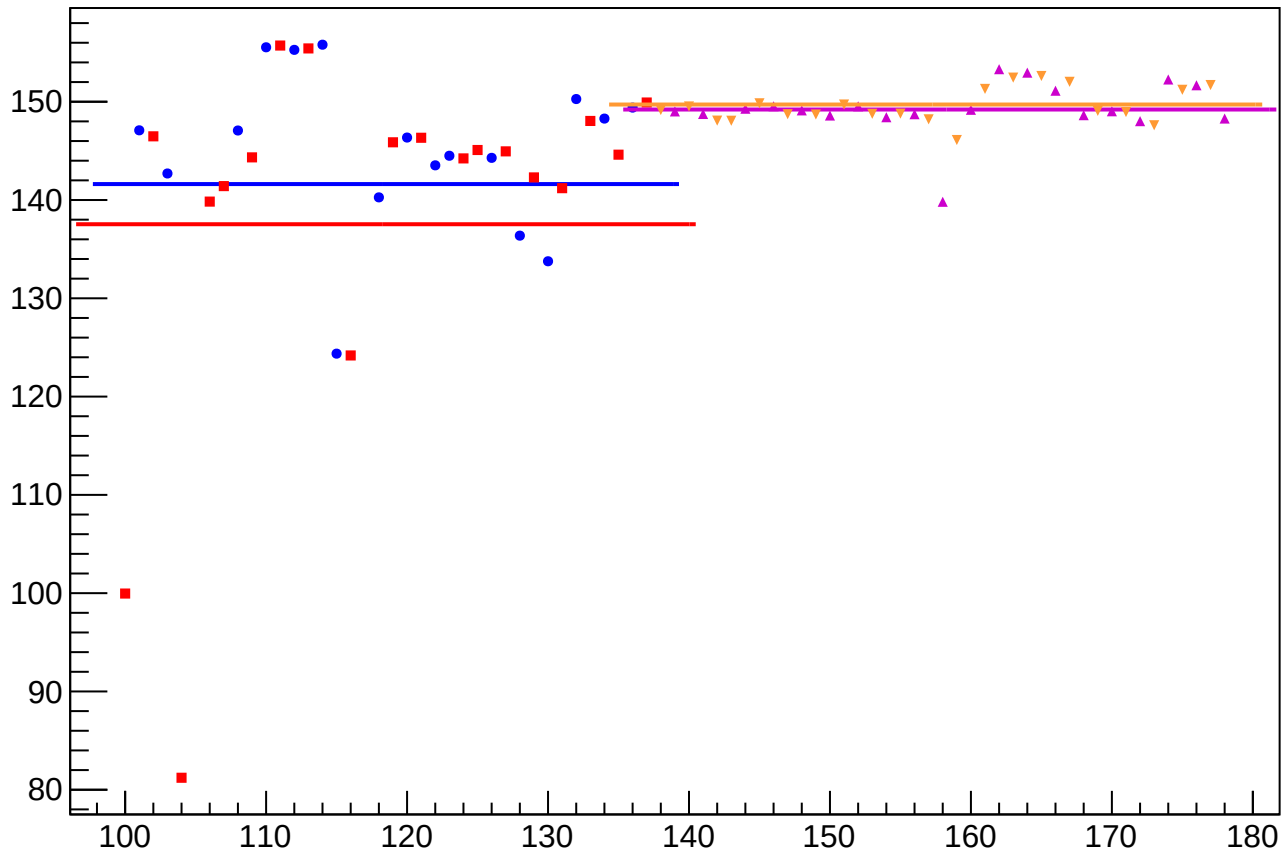
Left In: 0.615 ± 0.000 χ^2/NDF : 352118.4/19

+ sign 0.007 ± 0.000 χ^2/NDF : 33081267.4/37

All: 0.007 ± 0.000 χ^2/NDF : 65784628.3/76

- sign 0.007 ± 0.000 χ^2/NDF : 32703162.8/38

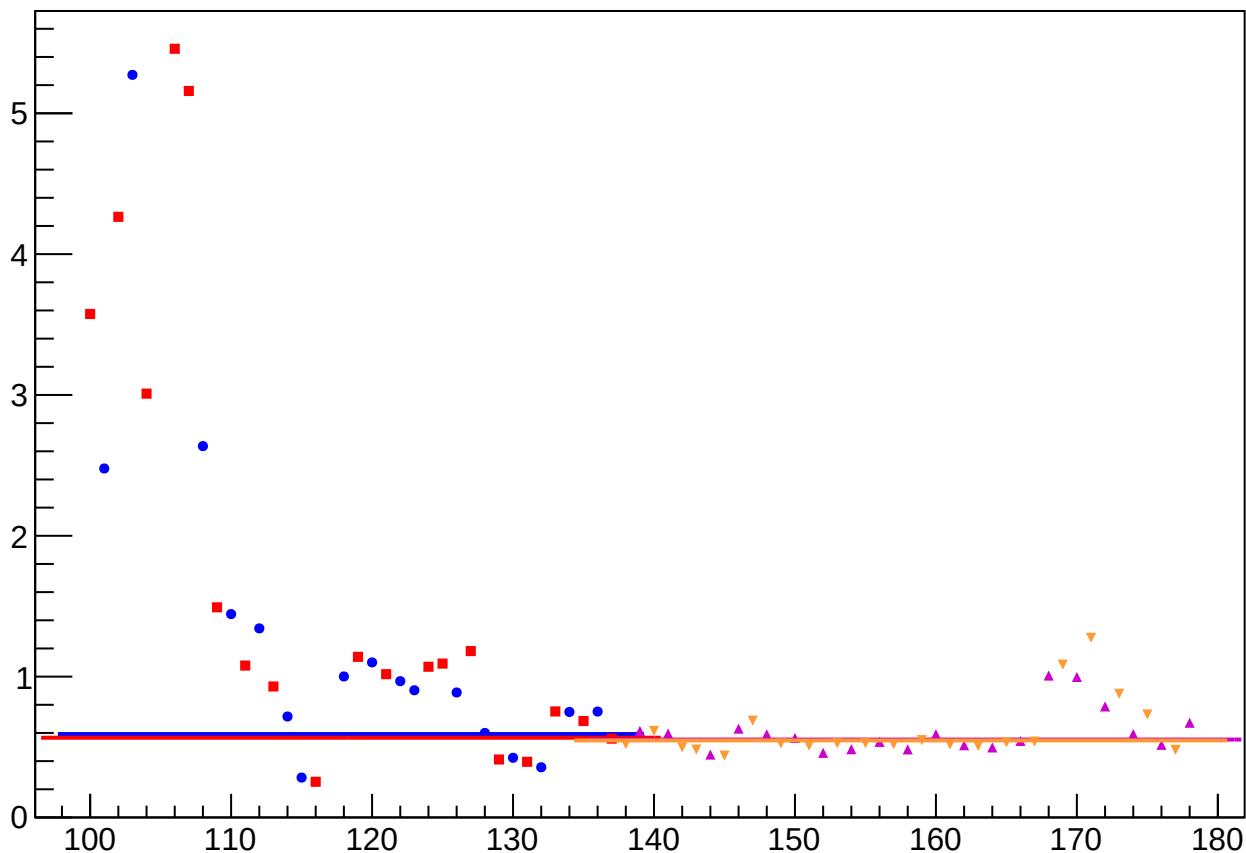
yield_cav4cQ_mean vs Slug



Right In: 141.622 ± 0.000 χ^2/NDF : 982037737.7/16
 Left Out: 149.715 ± 0.000 χ^2/NDF : 140403963.3/20
 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 148.229 ± 0.000 χ^2/NDF : 1663624764.3/37
 All: 147.580 ± 0.000 χ^2/NDF : 4592498760.9
 - sign 146.919 ± 0.000 χ^2/NDF : 2881963658.9/38

yield_cav4cQ_rms vs Slug



Right In: 0.592 ± 0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.547 ± 0.000 χ^2/NDF : 1342814.2/20

Right Out: 0.566 ± 0.000 χ^2/NDF : 4682140.9/18

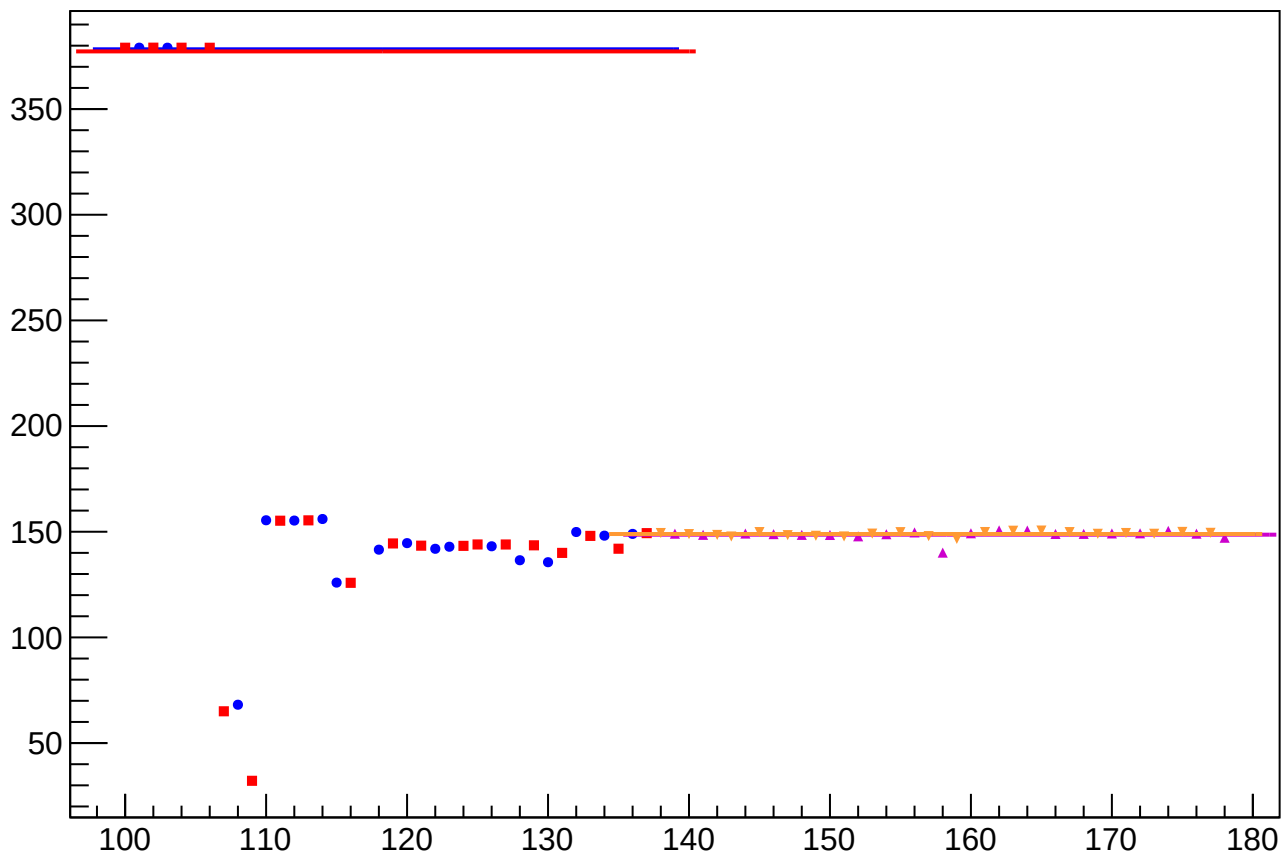
Left In: 0.553 ± 0.000 χ^2/NDF : 1014813.6/19

+ sign 0.555 ± 0.000 χ^2/NDF : 4898454.3/37

All: 0.555 ± 0.000 χ^2/NDF : 10598353.5/76

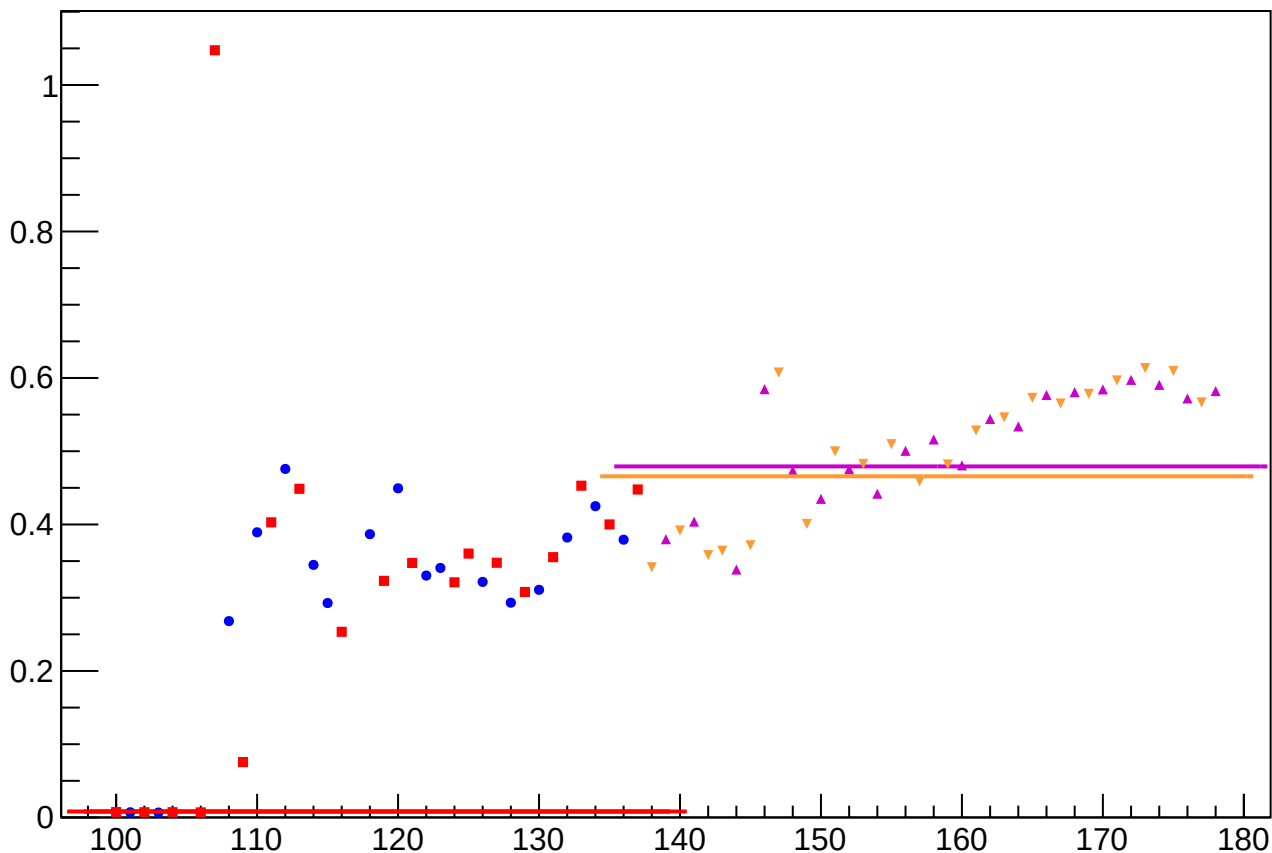
- sign 0.556 ± 0.000 χ^2/NDF : 5699888.6/38

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2 /NDF: 2512261599188.1/16
 Left Out: 148.923+/-0.000 χ^2 /NDF: 63768024.7/20
 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: 0.466 $\pm$ 0.000 χ^2 /NDF:1155639.9/20

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9535410.6/18

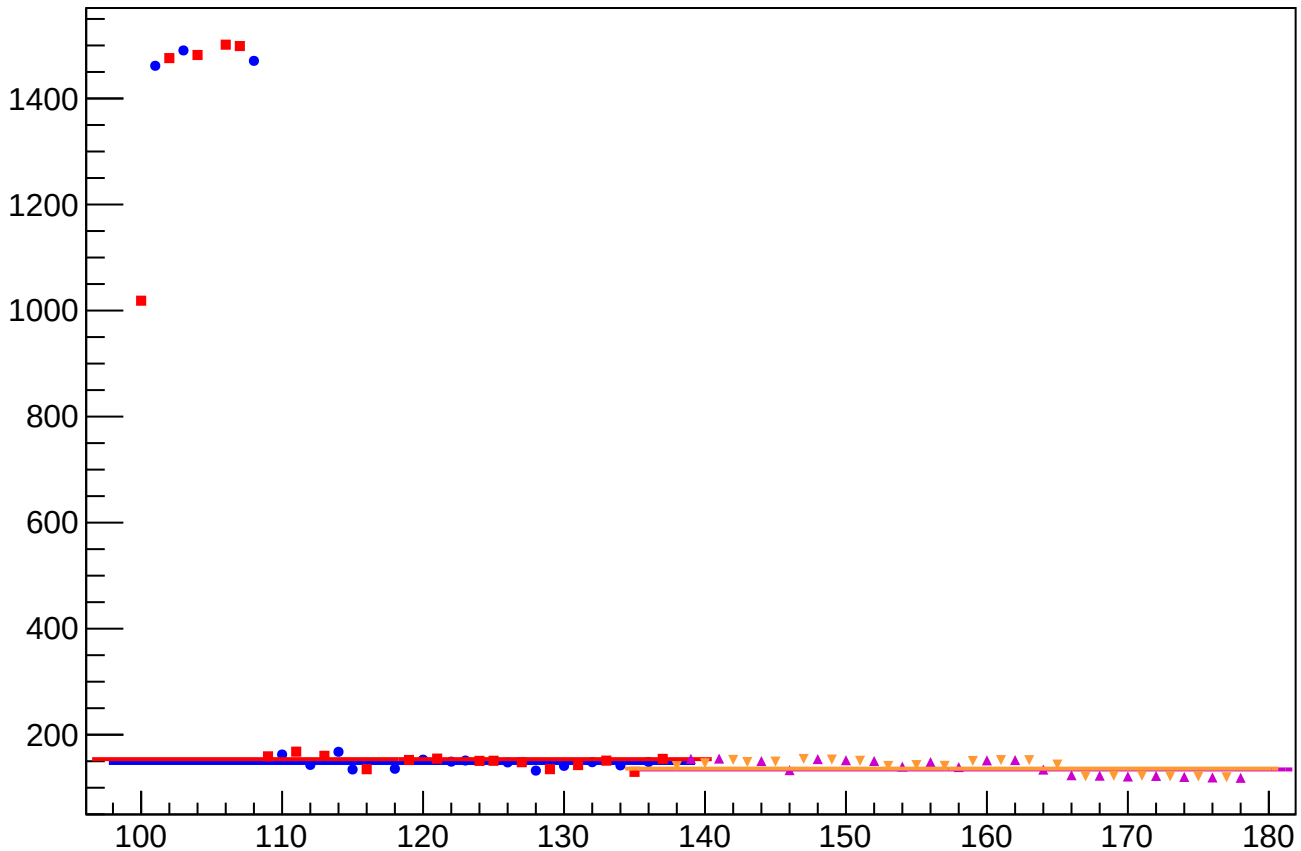
Left In: 0.479 $\pm$ 0.000 χ^2 /NDF:885400.1/19

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 39389113.5/37

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 77868153.9/76

- 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: 136.017+/-0.000 χ^2/NDF : 3672607345.4/20

Right Out: 153.887+/-0.000 χ^2/NDF : 33738118250.9/18

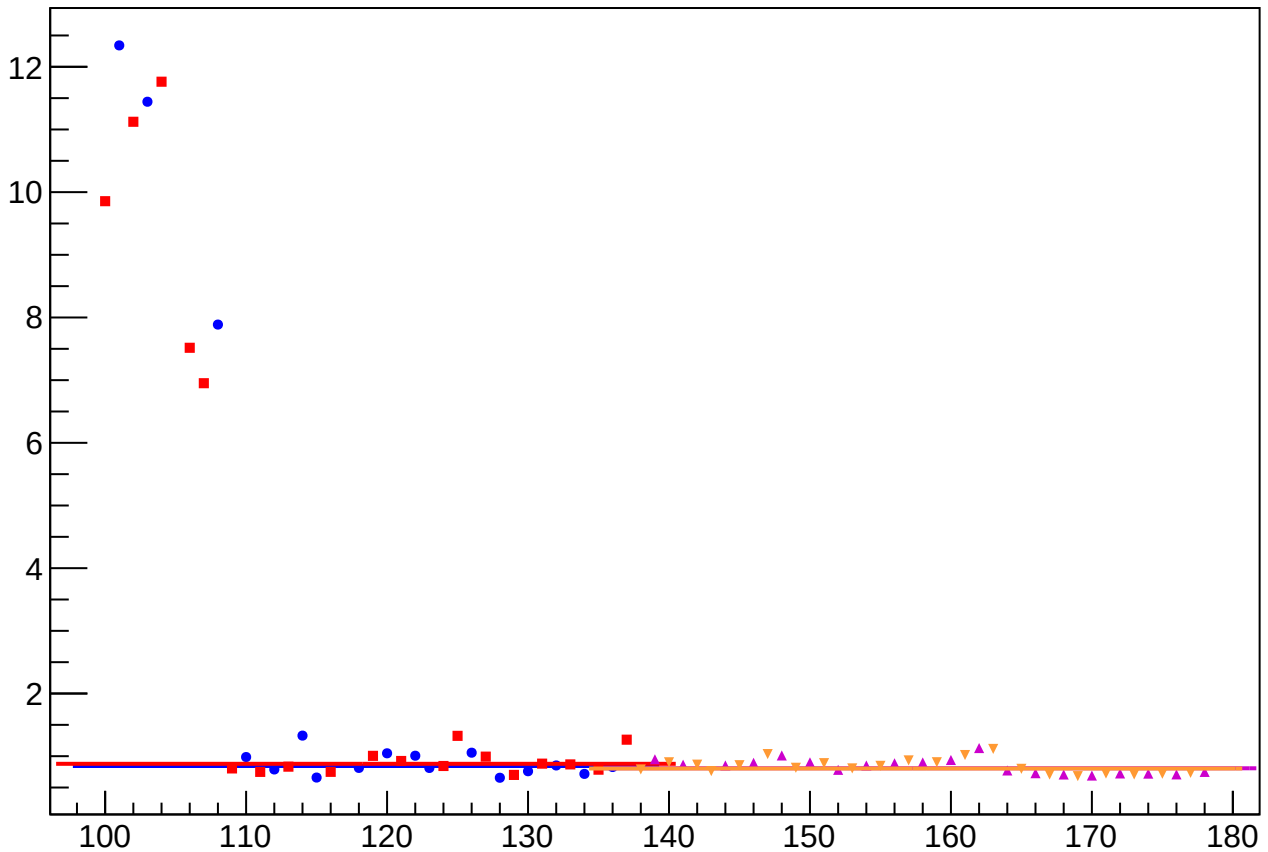
Left In: 134.518+/-0.000 χ^2/NDF : 3932592652.5/19

+ sign 138.244+/-0.000 χ^2/NDF : 28509592089.1/37

All: 138.401+/-0.000 χ^2/NDF : 67752337915.1/74

- 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: 0.803 ± 0.000 χ^2/NDF : 462590.0/20

Right Out: 0.878 ± 0.000 χ^2/NDF : 2812500.6/18

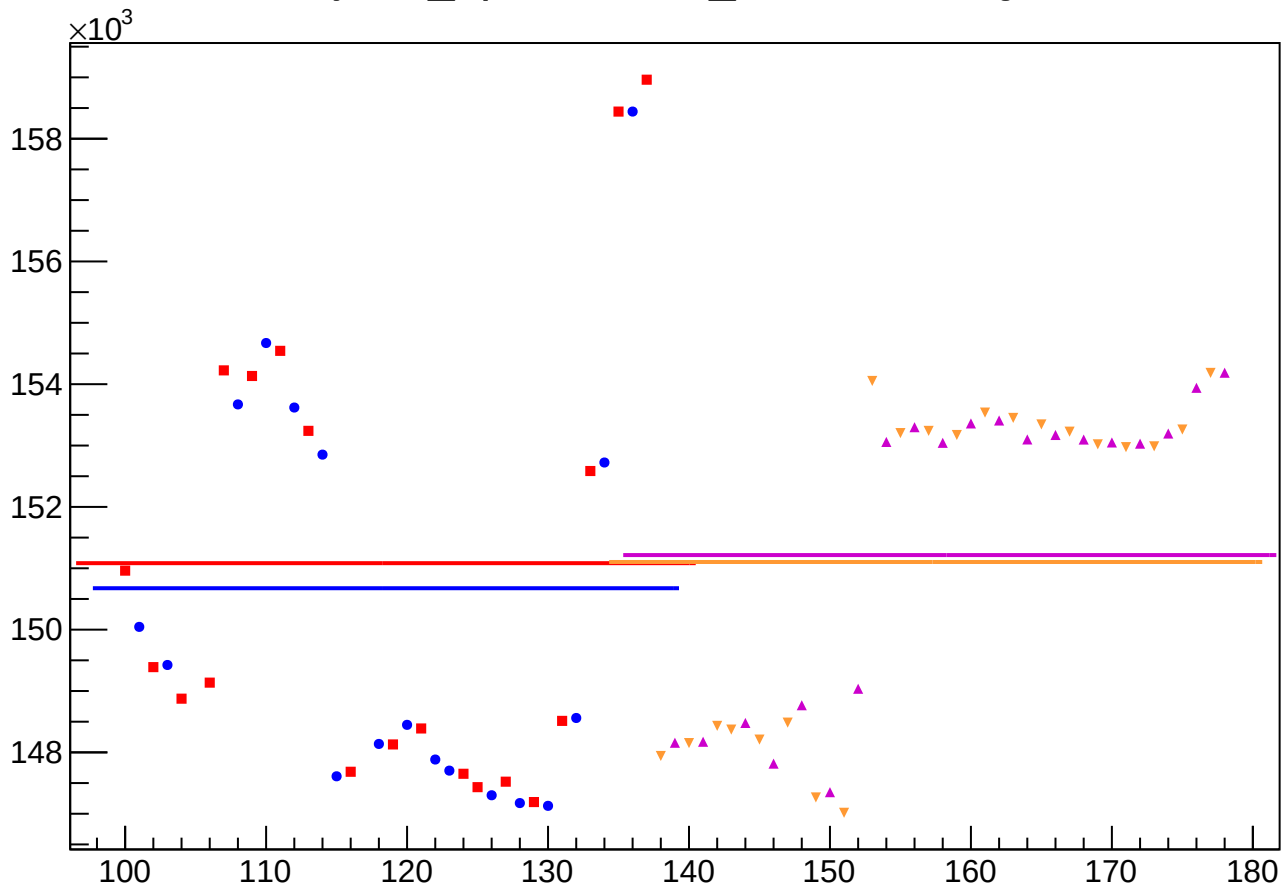
Left In: 0.807 ± 0.000 χ^2/NDF : 443756.6/19

+ sign 0.812 ± 0.000 χ^2/NDF : 3146776.4/37

All: 0.817 ± 0.000 χ^2/NDF : 6448189.8/76

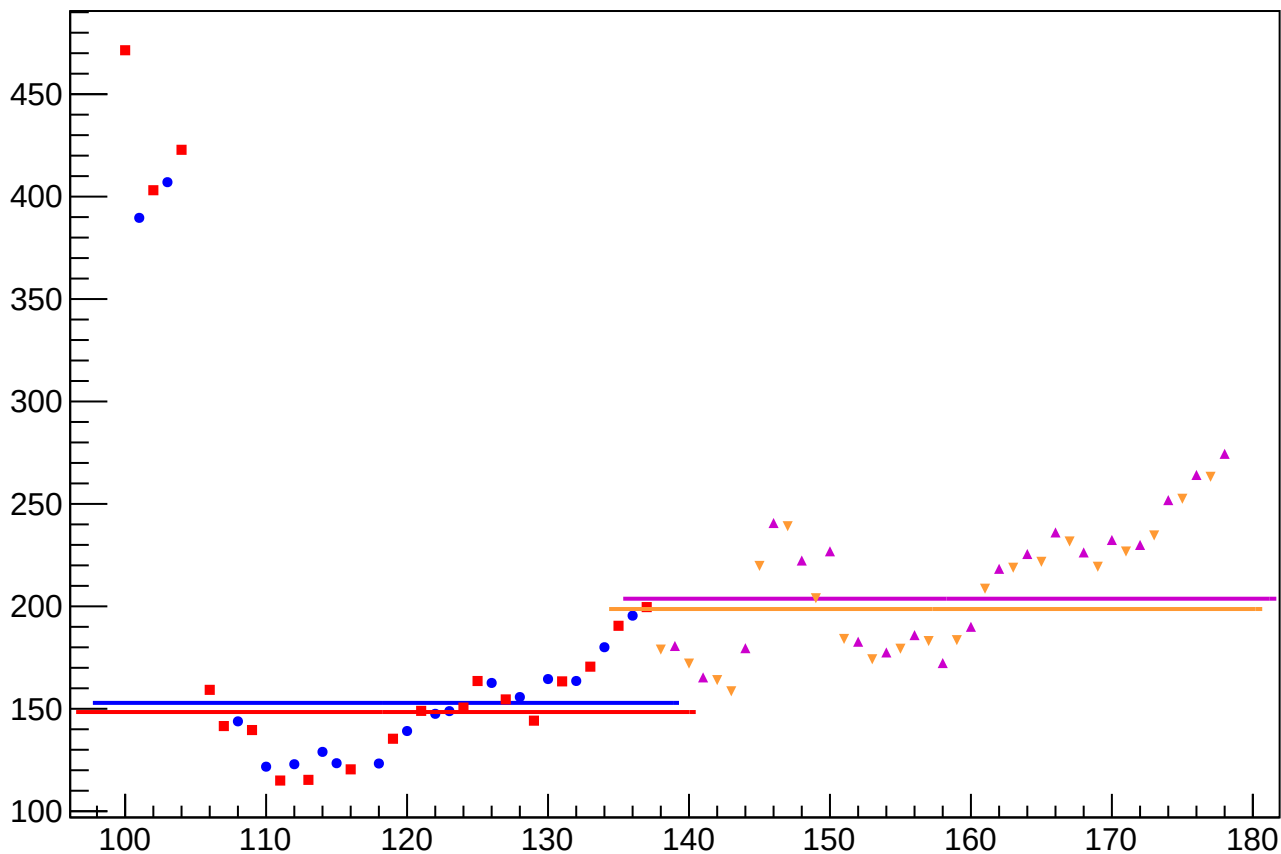
- sign 0.822 ± 0.000 χ^2/NDF : 3298781.0/38

yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 $\pm$ 0.063 χ^2/NDF : 3309974859.4/16
 Left Out: 151102.525 $\pm$ 0.051 χ^2/NDF : 2844301902.3/20
 Right Out: 151083.268 $\pm$ 0.060 χ^2/NDF : 3300830370.5/18
 Left In: 151215.246 $\pm$ 0.053 χ^2/NDF : 2190536622.0/19

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 198.697 $\pm$ 0.036 χ^2 /NDF: 618371.1/20

Right Out: 148.418 $\pm$ 0.042 χ^2 /NDF: 1191577.6/18

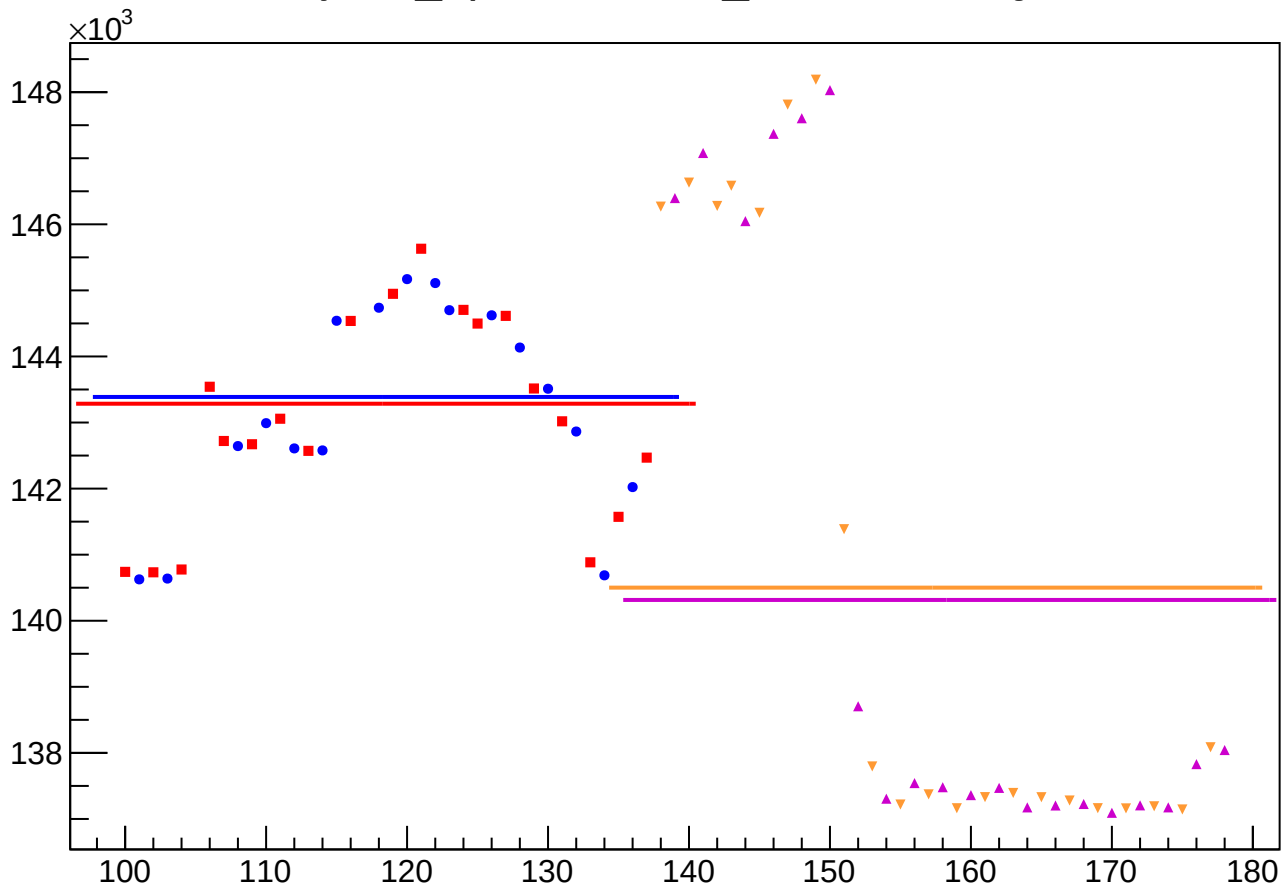
Left In: 203.729 $\pm$ 0.037 χ^2 /NDF: 674305.3/19

+ sign 180.657 $\pm$ 0.028 χ^2 /NDF: 2414438.3/37

All: 180.077 $\pm$ 0.020 χ^2 /NDF: 5246076.5/76

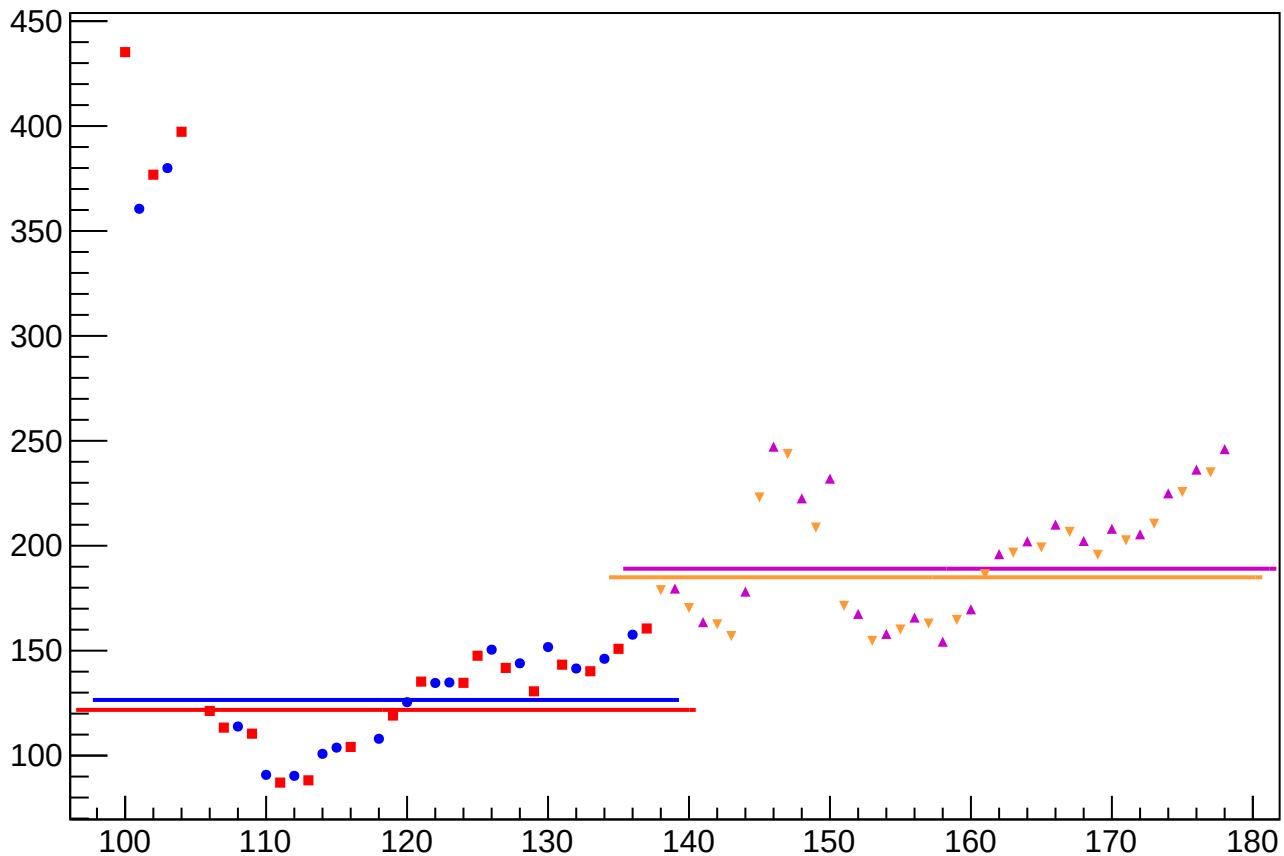
- sign 179.497 $\pm$ 0.028 χ^2 /NDF: 2830775.8/38

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 ± 0.053	$\chi^2/\text{NDF}: 521299875.7/16$	+ sign 141786.198 ± 0.035	$\chi^2/\text{NDF}: 10550126521.1$
Left Out: 140501.307 ± 0.047	$\chi^2/\text{NDF}: 8366888295.0/20$	All: 141790.750 ± 0.025	$\chi^2/\text{NDF}: 208705262.1$
Right Out: 143284.757 ± 0.049	$\chi^2/\text{NDF}: 608634820.1/18$	- sign 141795.169 ± 0.035	$\chi^2/\text{NDF}: 10320366775.2$
Left In: 140314.772 ± 0.049	$\chi^2/\text{NDF}: 7876694393.5/19$		

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 184.958 $\pm$ 0.033 χ^2 /NDF: 576651.5/20

Right Out: 121.772 $\pm$ 0.035 χ^2 /NDF: 1463829.4/18

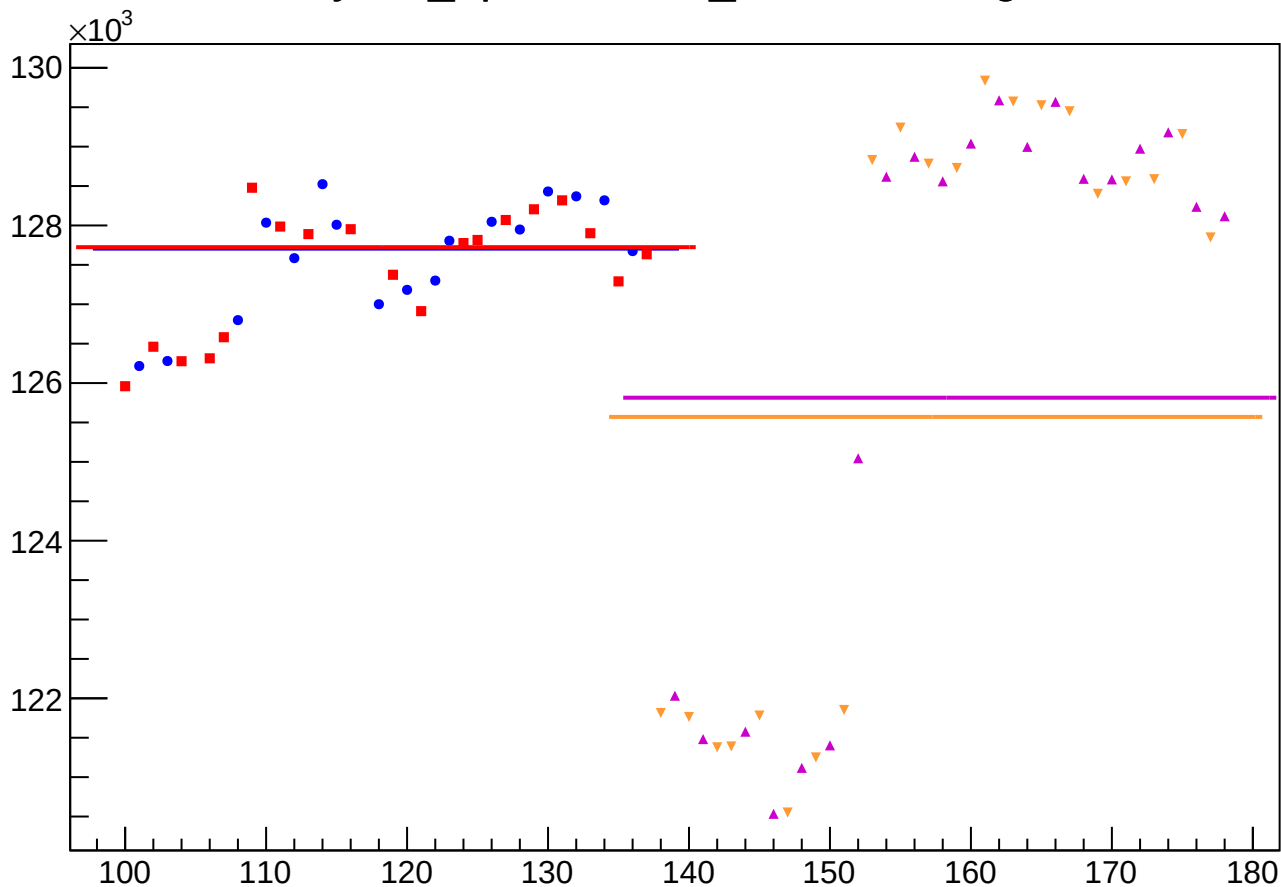
Left In: 189.053 $\pm$ 0.035 χ^2 /NDF: 682749.0/19

+ sign 158.936 $\pm$ 0.025 χ^2 /NDF: 3381655.9/37

All: 157.201 $\pm$ 0.017 χ^2 /NDF: 7421231.5/76

- sign 155.516 $\pm$ 0.025 χ^2 /NDF: 4029988.4/38

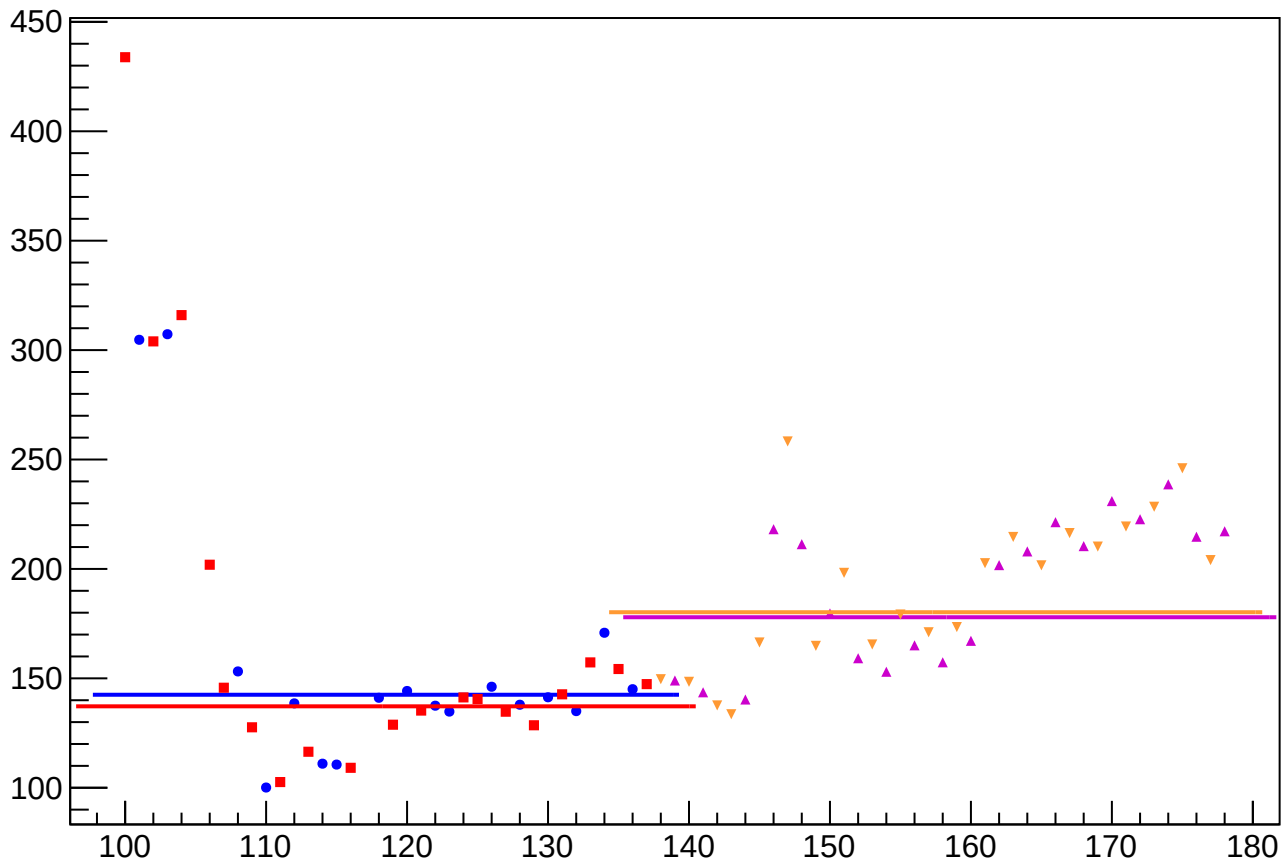
yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 ± 0.058 $\chi^2/\text{NDF}: 97860521.1/16$
 Left Out: 125570.719 ± 0.047 $\chi^2/\text{NDF}: 6348801381.7/20$
 Right Out: 127724.256 ± 0.055 $\chi^2/\text{NDF}: 112614317.2/18$
 Left In: 125814.359 ± 0.046 $\chi^2/\text{NDF}: 5668524244.8/19$

+ sign 126406.896 ± 0.036 $\chi^2/\text{NDF}: 7269776289.4$
 All: 126514.989 ± 0.025 $\chi^2/\text{NDF}: 137791910$
 - sign 126617.360 ± 0.035 $\chi^2/\text{NDF}: 6492179065.7$

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 180.215 $\pm$ 0.033 χ^2 /NDF: 960420.6/20

Right Out: 137.211 $\pm$ 0.039 χ^2 /NDF: 957317.1/18

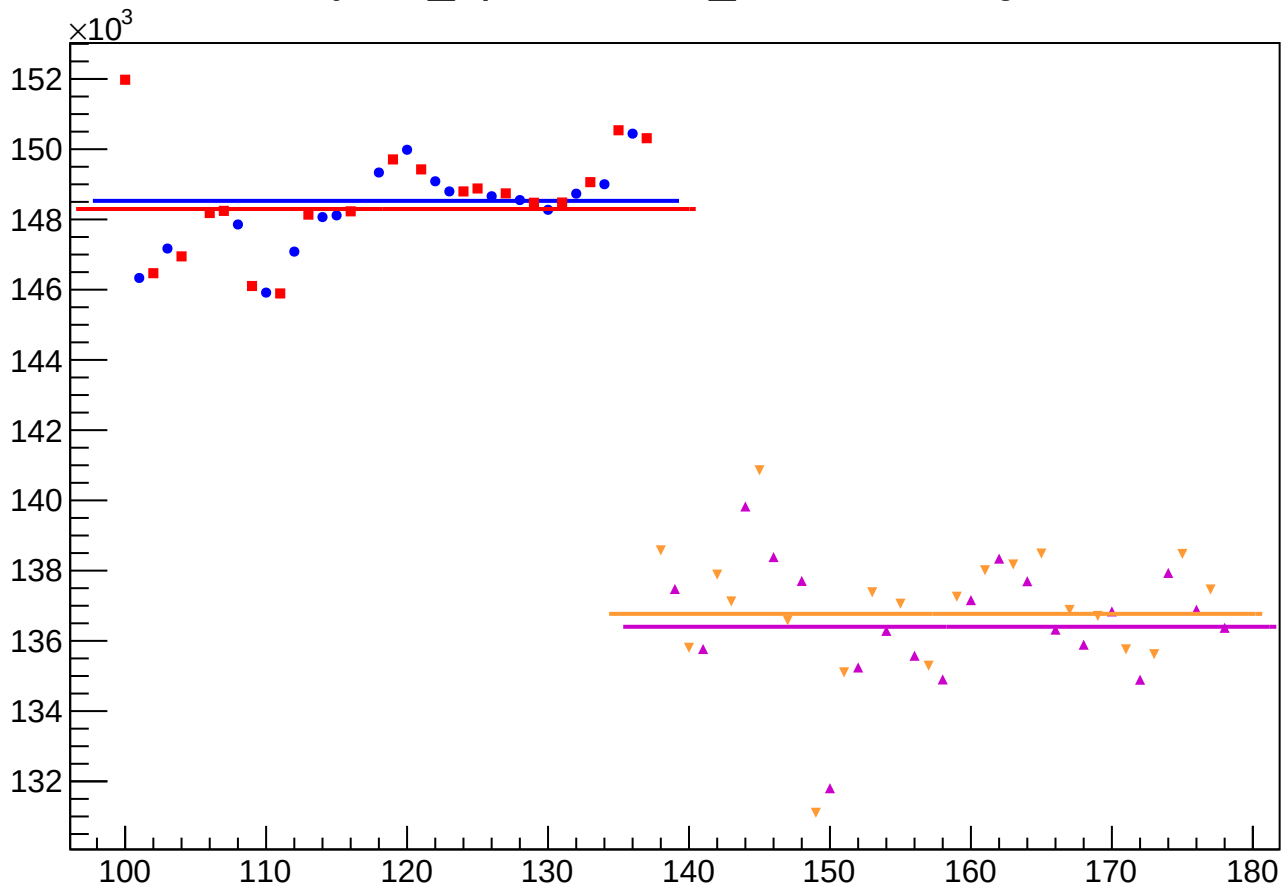
Left In: 177.922 $\pm$ 0.033 χ^2 /NDF: 921958.4/19

+ sign 165.448 $\pm$ 0.026 χ^2 /NDF: 2310118.3/37

All: 163.063 $\pm$ 0.018 χ^2 /NDF: 4852275.6/76

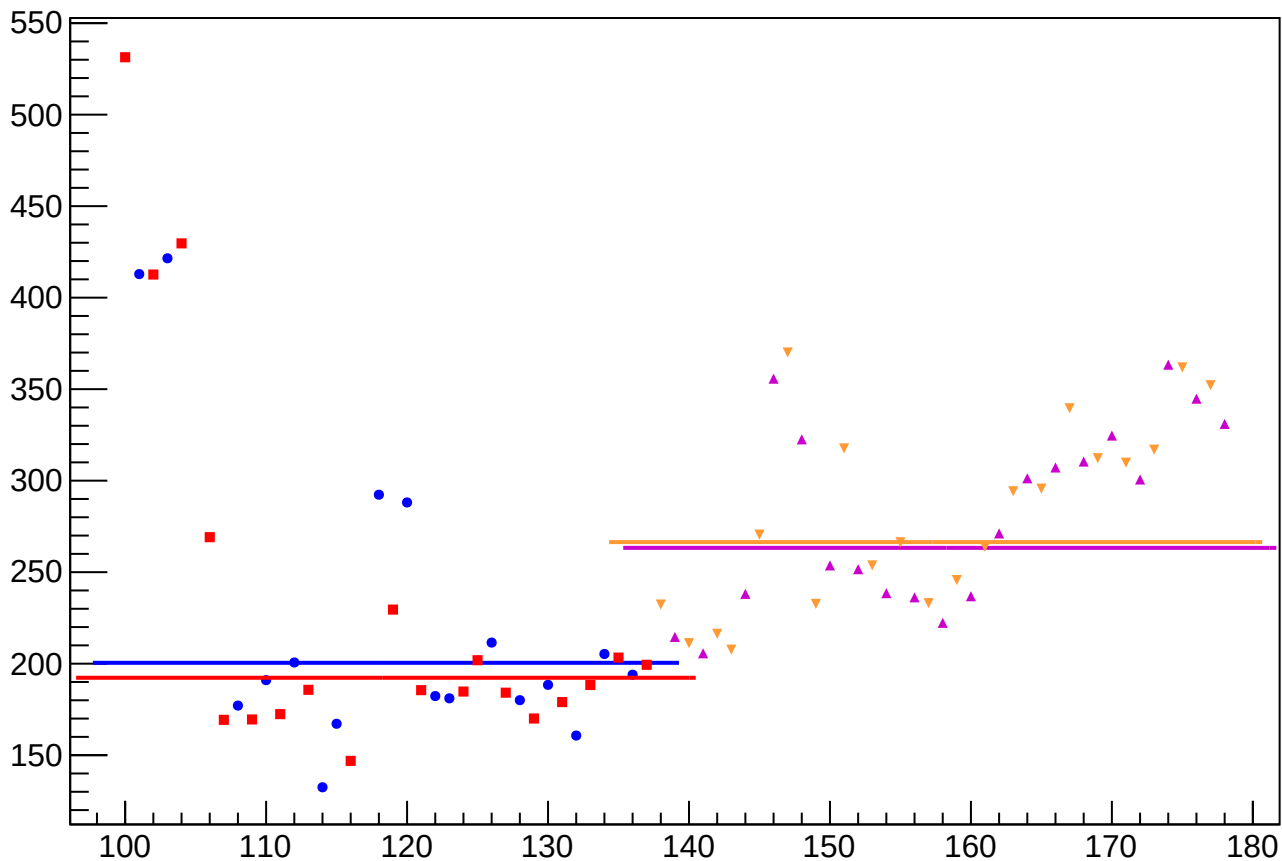
- sign 160.805 $\pm$ 0.025 χ^2 /NDF: 2525386.6/38

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 $\pm$ 0.082 χ^2/NDF : 209986594.2/16
 Left Out: 136769.275 $\pm$ 0.069 χ^2/NDF : 869111805.0/20
 Right Out: 148297.126 $\pm$ 0.076 χ^2/NDF : 293244556.5/18
 Left In: 136401.141 $\pm$ 0.069 χ^2/NDF : 673303179.3/19

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 266.438 $\pm$ 0.049 χ^2 /NDF: 932155.9/20

Right Out: 192.304 $\pm$ 0.054 χ^2 /NDF: 844504.1/18

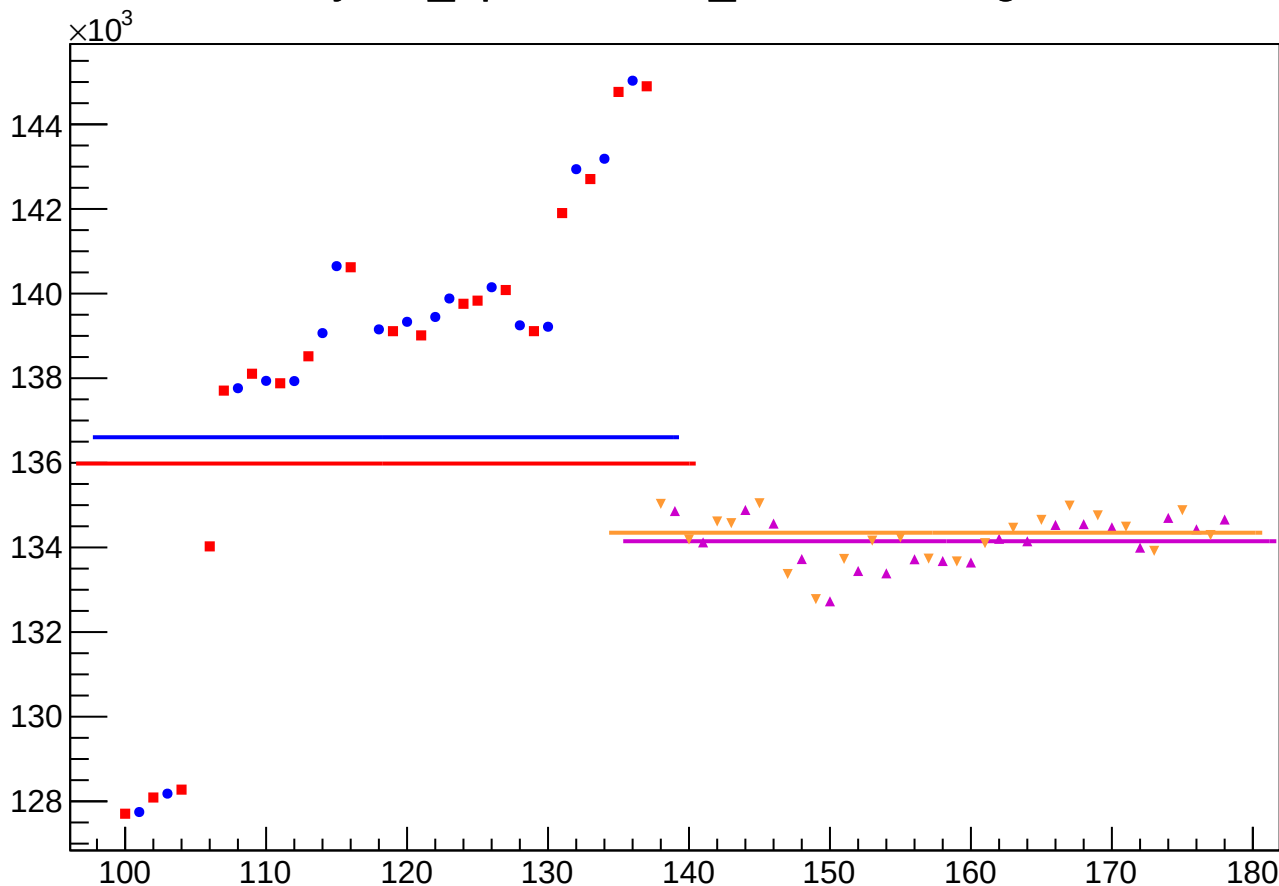
Left In: 263.285 $\pm$ 0.048 χ^2 /NDF: 912068.2/19

+ sign 239.309 $\pm$ 0.037 χ^2 /NDF: 2629413.8/37

All: 235.360 $\pm$ 0.026 χ^2 /NDF: 5364480.1/76

- sign 231.650 $\pm$ 0.036 χ^2 /NDF: 2713223.3/38

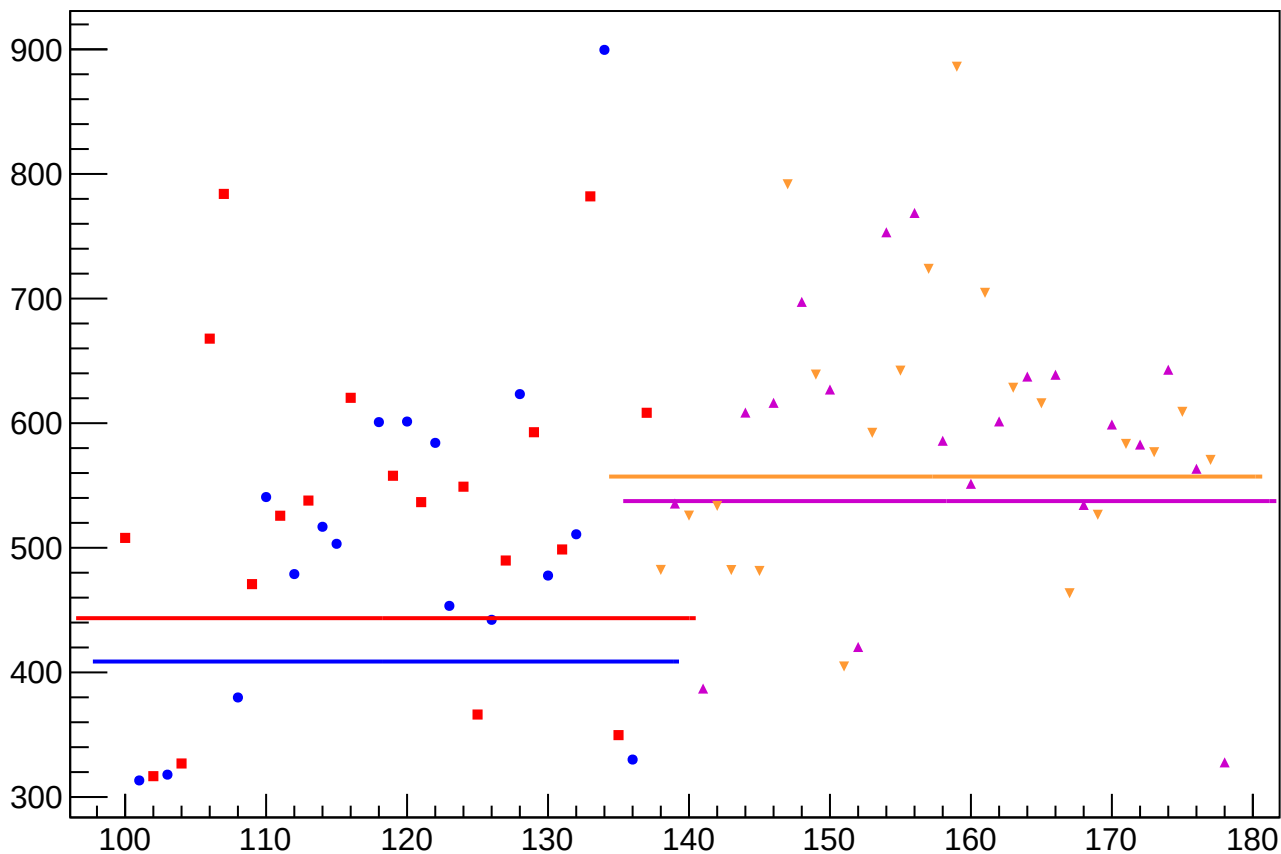
yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16
 Left Out: 134348.257 $\pm$ 0.150 χ^2 /NDF: 14311740.8/20
 Right Out: 135982.842 $\pm$ 0.183 χ^2 /NDF: 1082431147.9/18
 Left In: 134147.019 $\pm$ 0.150 χ^2 /NDF: 13451172.2/19

+ sign 135325.285 $\pm$ 0.113 χ^2 /NDF: 1606882230.0
 All: 135112.953 $\pm$ 0.081 χ^2 /NDF: 277027447
 - sign 134888.164 $\pm$ 0.116 χ^2 /NDF: 1156099233.3

yield_bpm0l03WS_rms vs Slug



Right In: 408.729+/-0.121 χ^2/NDF : 823262.8/16

Left Out: 557.163+/-0.106 χ^2/NDF : 902257.7/20

Right Out: 443.521+/-0.129 χ^2/NDF : 917492.4/18

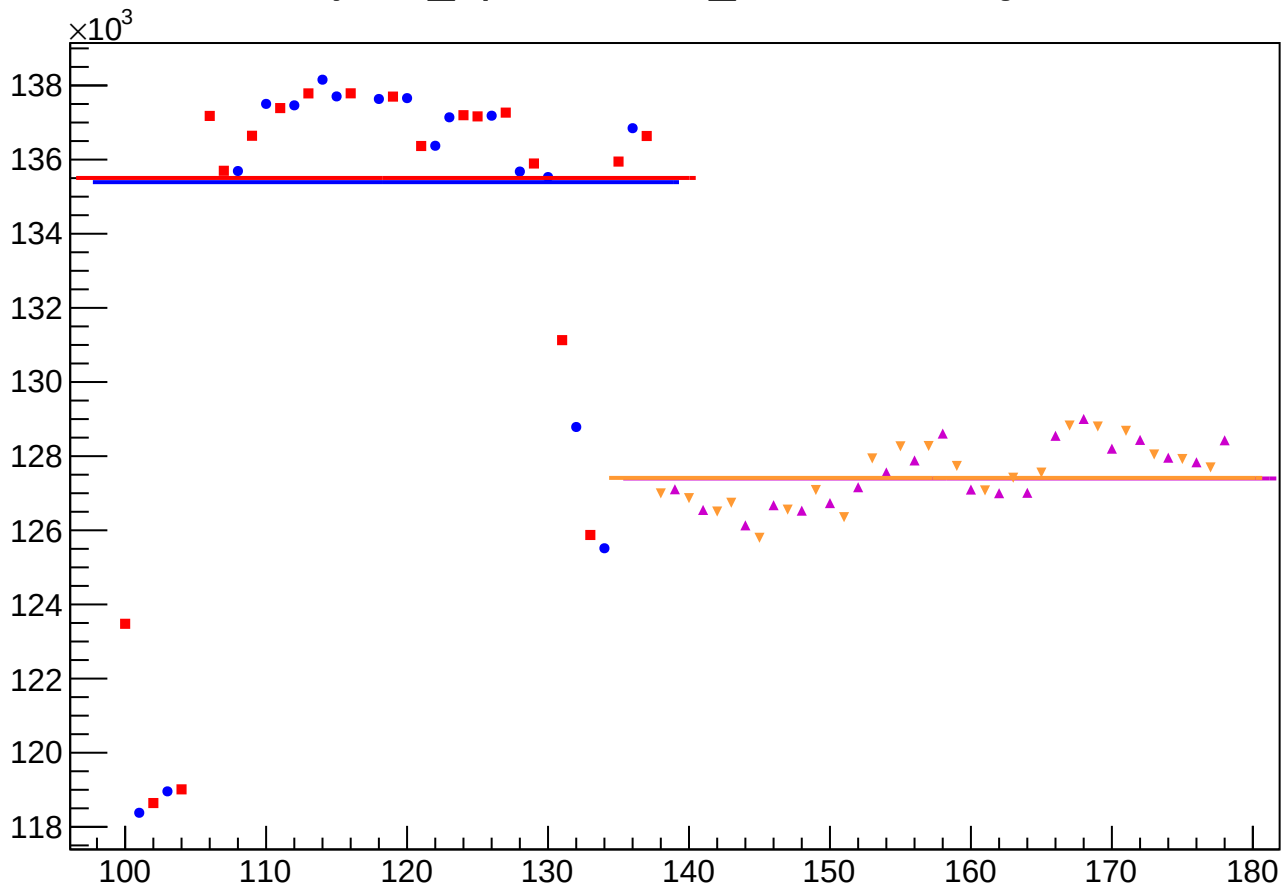
Left In: 537.480+/-0.106 χ^2/NDF : 1309516.9/19

+ sign 492.890+/-0.080 χ^2/NDF : 2575592.2/37

All: 496.124+/-0.057 χ^2/NDF : 5121458.7/76

- sign 499.548+/-0.082 χ^2/NDF : 2542483.1/38

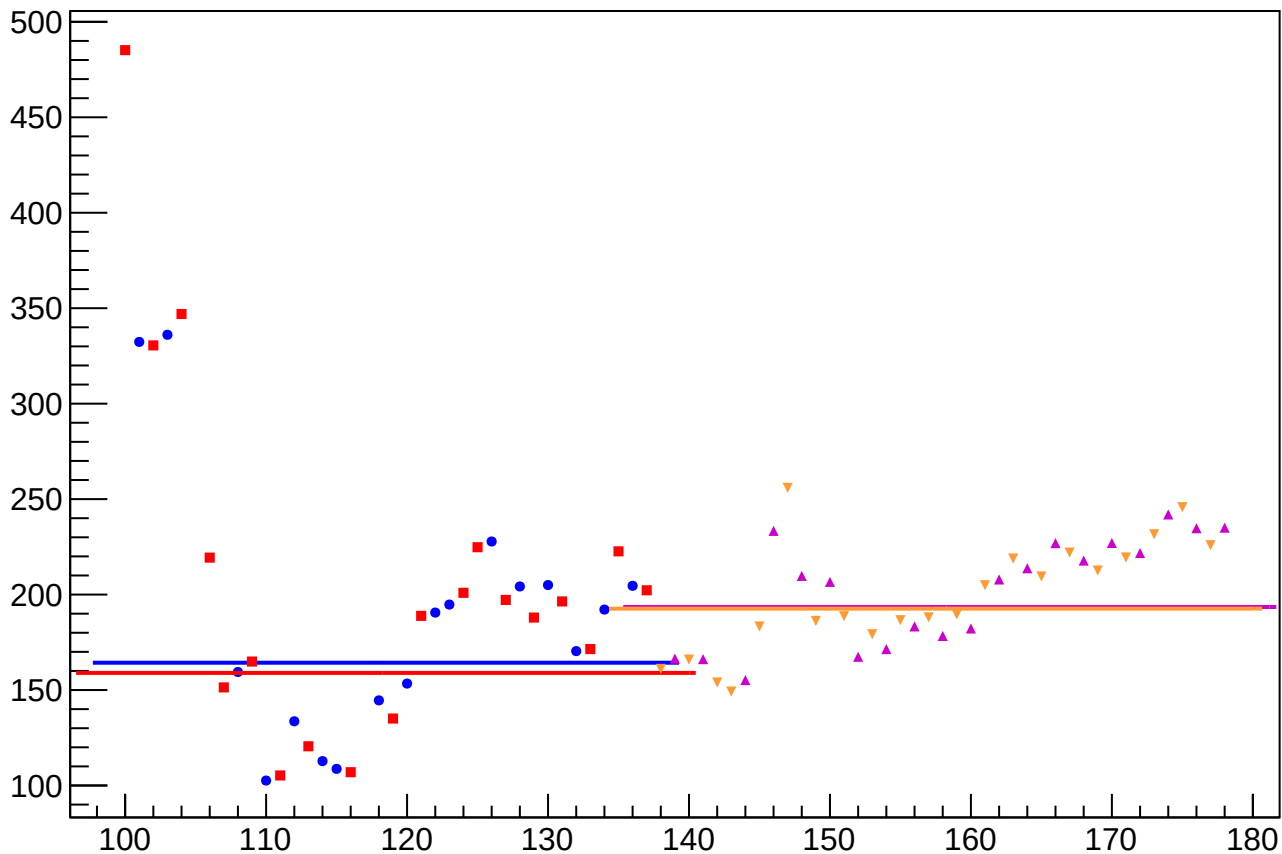
yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16
 Left Out: 127413.710 $\pm$ 0.049 χ^2 /NDF: 279805164.6/20
 Right Out: 135504.836 $\pm$ 0.064 χ^2 /NDF: 4730667469.8/18
 Left In: 127397.900 $\pm$ 0.050 χ^2 /NDF: 268118347.2/19

+ sign 130151.001 $\pm$ 0.040 χ^2 /NDF: 13831402336.
 All: 130305.106 $\pm$ 0.028 χ^2 /NDF: 287316780.
 - sign 130455.842 $\pm$ 0.040 χ^2 /NDF: 14870894669.0

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 $\pm$ 0.048 χ^2 /NDF: 1230487.8/16

Left Out: 192.631 $\pm$ 0.035 χ^2 /NDF: 621114.1/20

Right Out: 158.977 $\pm$ 0.046 χ^2 /NDF: 1384059.2/18

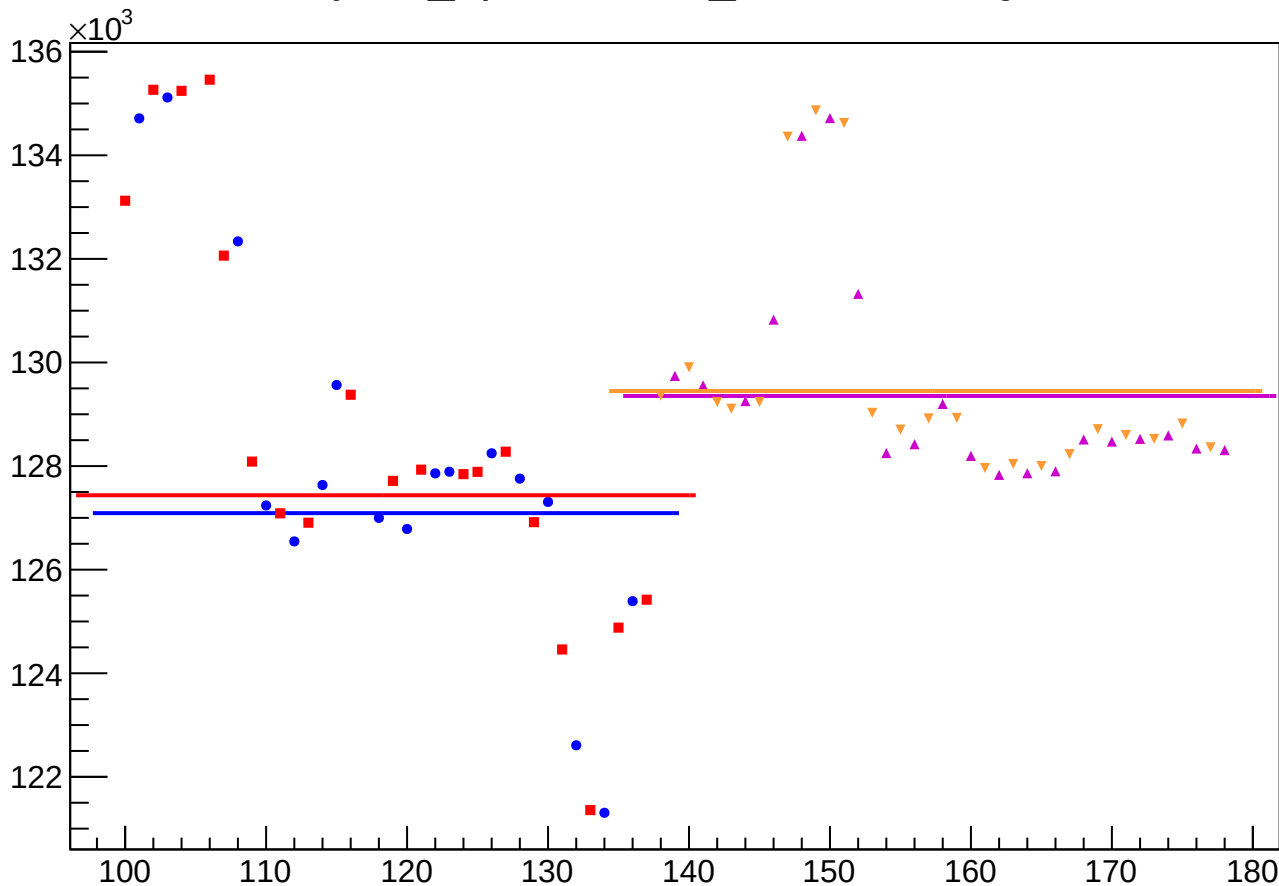
Left In: 193.492 $\pm$ 0.035 χ^2 /NDF: 606470.5/19

+ sign 182.914 $\pm$ 0.028 χ^2 /NDF: 2077703.6/37

All: 181.680 $\pm$ 0.020 χ^2 /NDF: 4429874.7/76

- sign 180.473 $\pm$ 0.028 χ^2 /NDF: 2348404.3/38

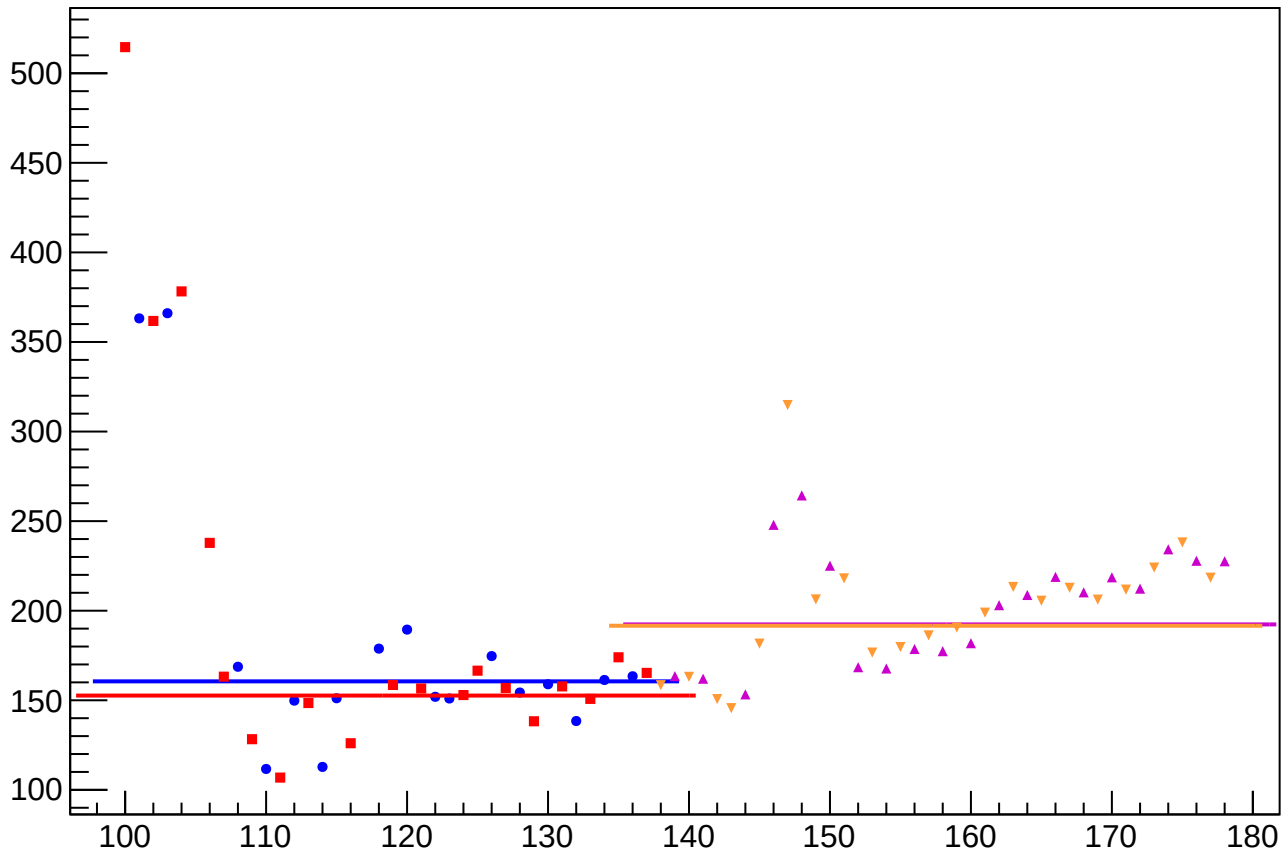
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$
 Left Out: 129449.541 ± 0.049 $\chi^2/\text{NDF}: 1394862701.8/20$
 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 128610.387 ± 0.040 $\chi^2/\text{NDF}: 3926782571.6$
 All: 128601.043 ± 0.028 $\chi^2/\text{NDF}: 775881350$
 - 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: 191.611 $\pm$ 0.035 χ^2 /NDF: 767255.3/20

Right Out: 152.629 $\pm$ 0.044 χ^2 /NDF: 1086504.4/18

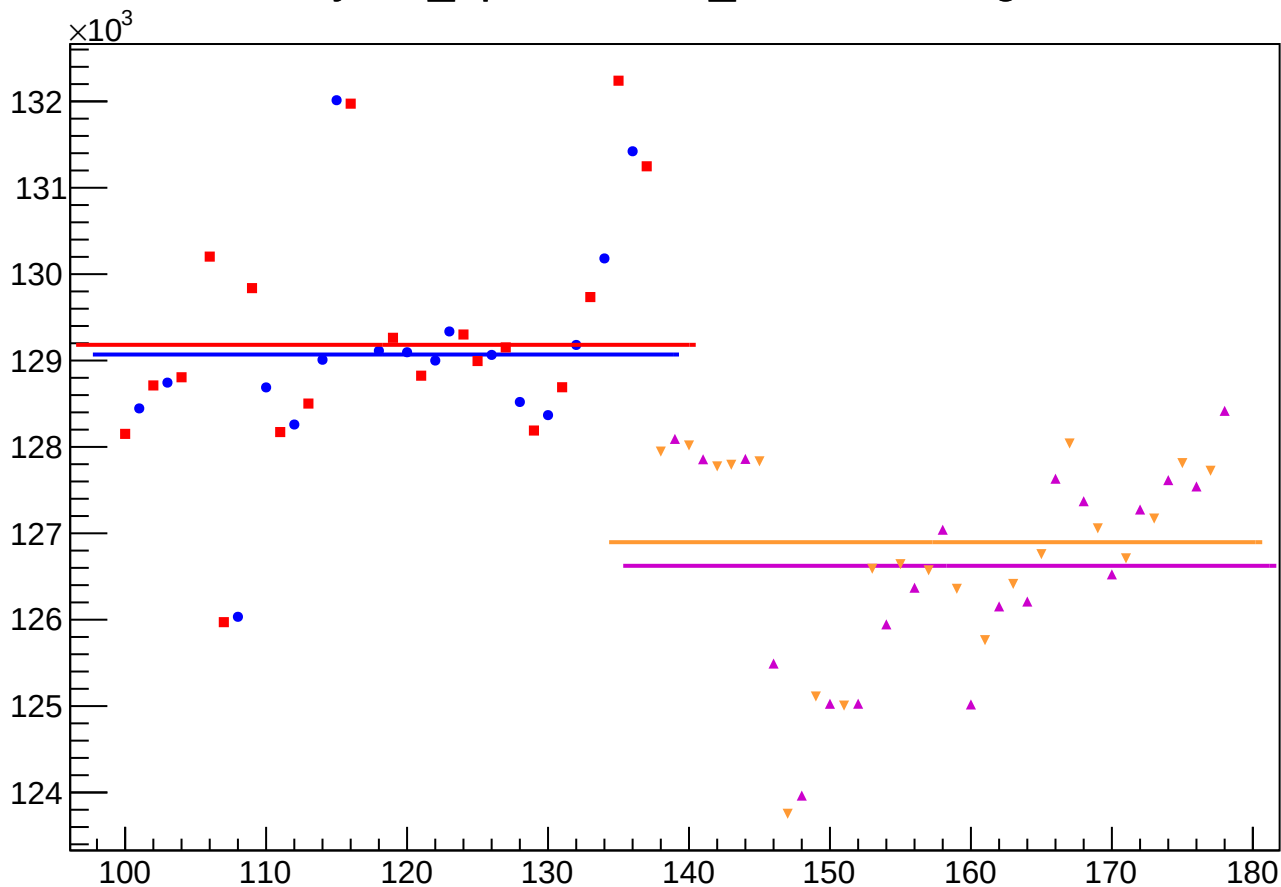
Left In: 192.347 $\pm$ 0.035 χ^2 /NDF: 728120.3/19

+ sign 180.562 $\pm$ 0.028 χ^2 /NDF: 1992471.1/37

All: 178.530 $\pm$ 0.020 χ^2 /NDF: 4319676.5/76

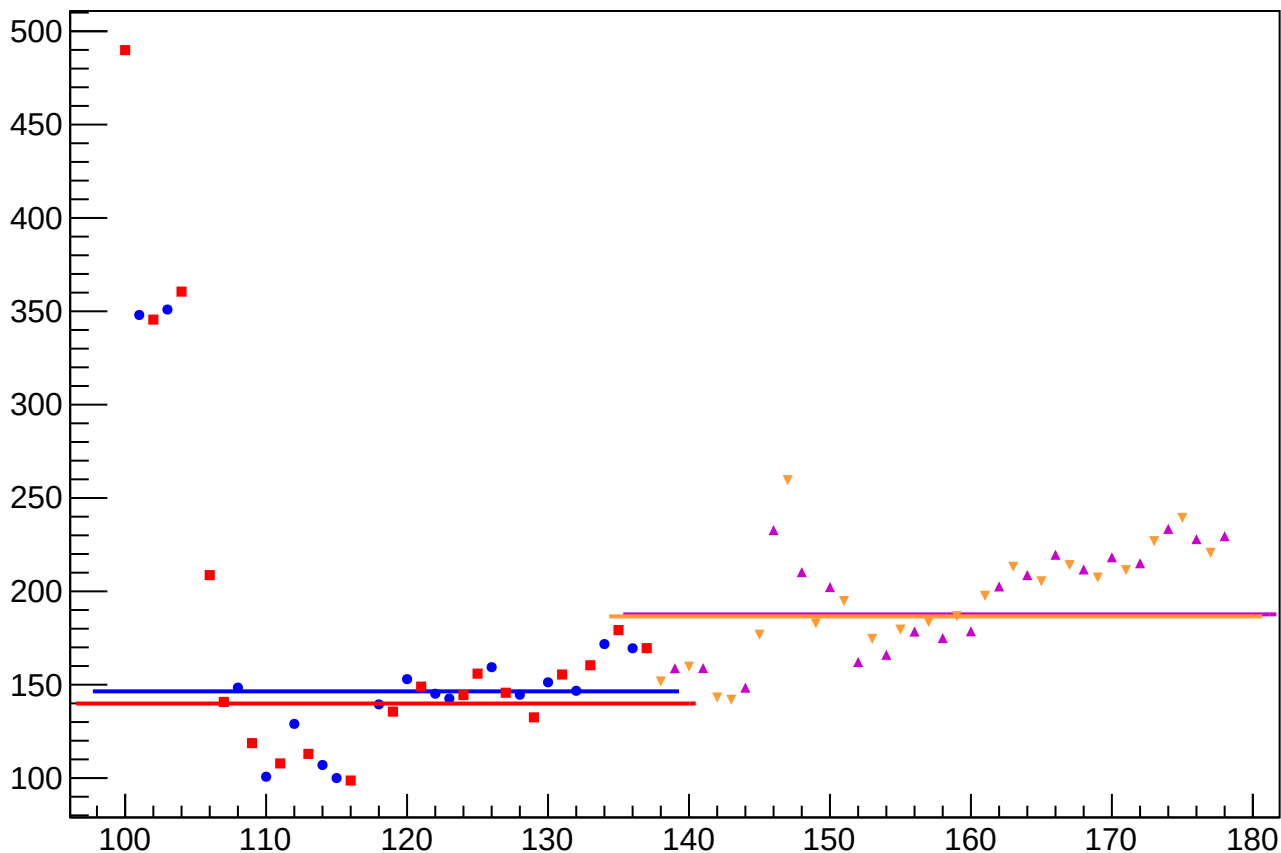
- sign 176.576 $\pm$ 0.027 χ^2 /NDF: 2316849.7/38

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060	$\chi^2/\text{NDF}: 476692316.5/16$	+ sign 127739.503 ± 0.037	$\chi^2/\text{NDF}: 1763630550.2/16$
Left Out: 126897.244 ± 0.048	$\chi^2/\text{NDF}: 488779481.2/20$	All: 127730.547 ± 0.026	$\chi^2/\text{NDF}: 420867596.1/20$
Right Out: 129181.887 ± 0.056	$\chi^2/\text{NDF}: 625597399.6/18$	- sign 127721.930 ± 0.037	$\chi^2/\text{NDF}: 2444933291.3/18$
Left In: 126623.852 ± 0.049	$\chi^2/\text{NDF}: 632327921.9/19$		

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 $\pm$ 0.043 χ^2 /NDF: 1064791.0/16

Left Out: 186.573 $\pm$ 0.034 χ^2 /NDF: 729746.1/20

Right Out: 139.929 $\pm$ 0.040 χ^2 /NDF: 1203570.9/18

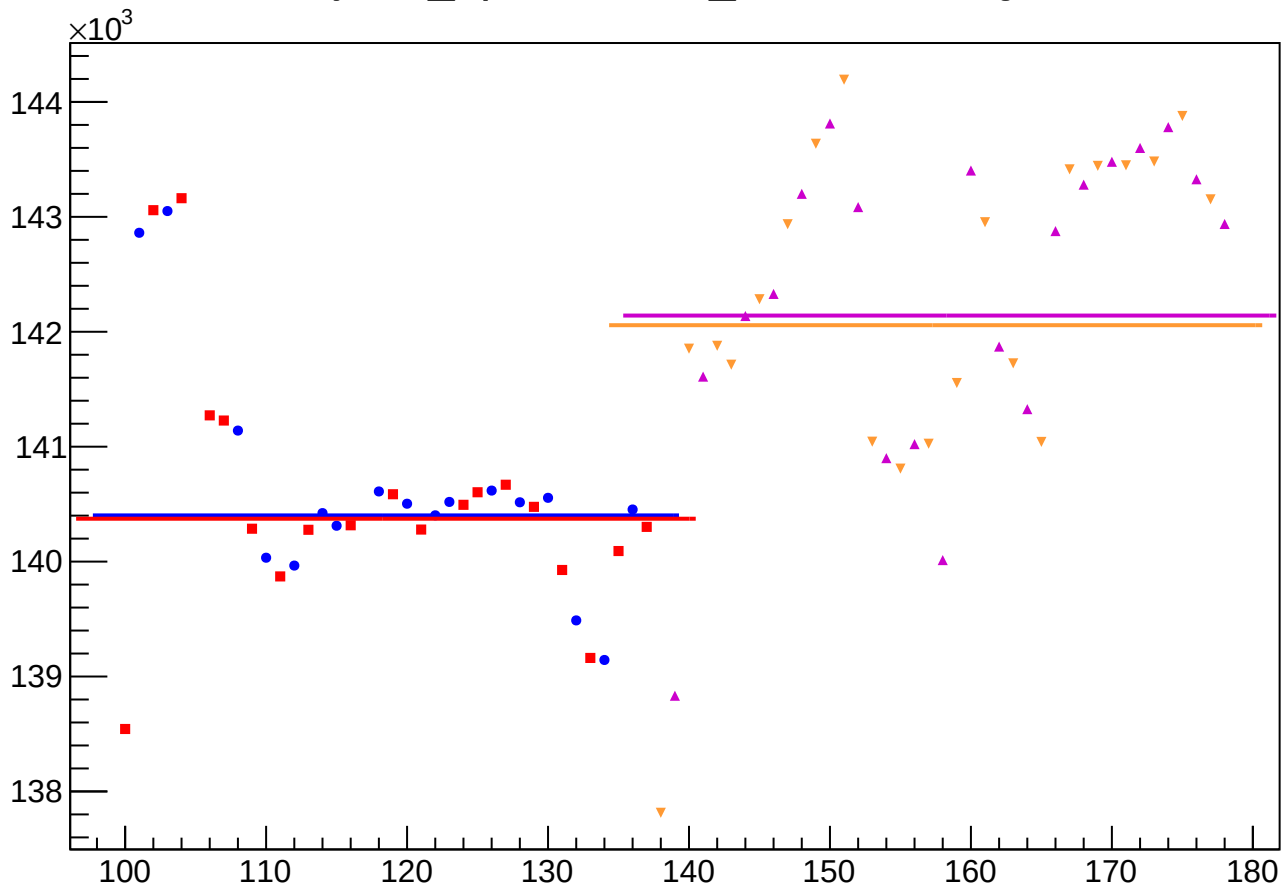
Left In: 187.680 $\pm$ 0.034 χ^2 /NDF: 660671.1/19

+ sign 171.013 $\pm$ 0.026 χ^2 /NDF: 2339416.4/37

All: 169.060 $\pm$ 0.019 χ^2 /NDF: 5041559.2/76

- sign 167.182 $\pm$ 0.026 χ^2 /NDF: 2691488.8/38

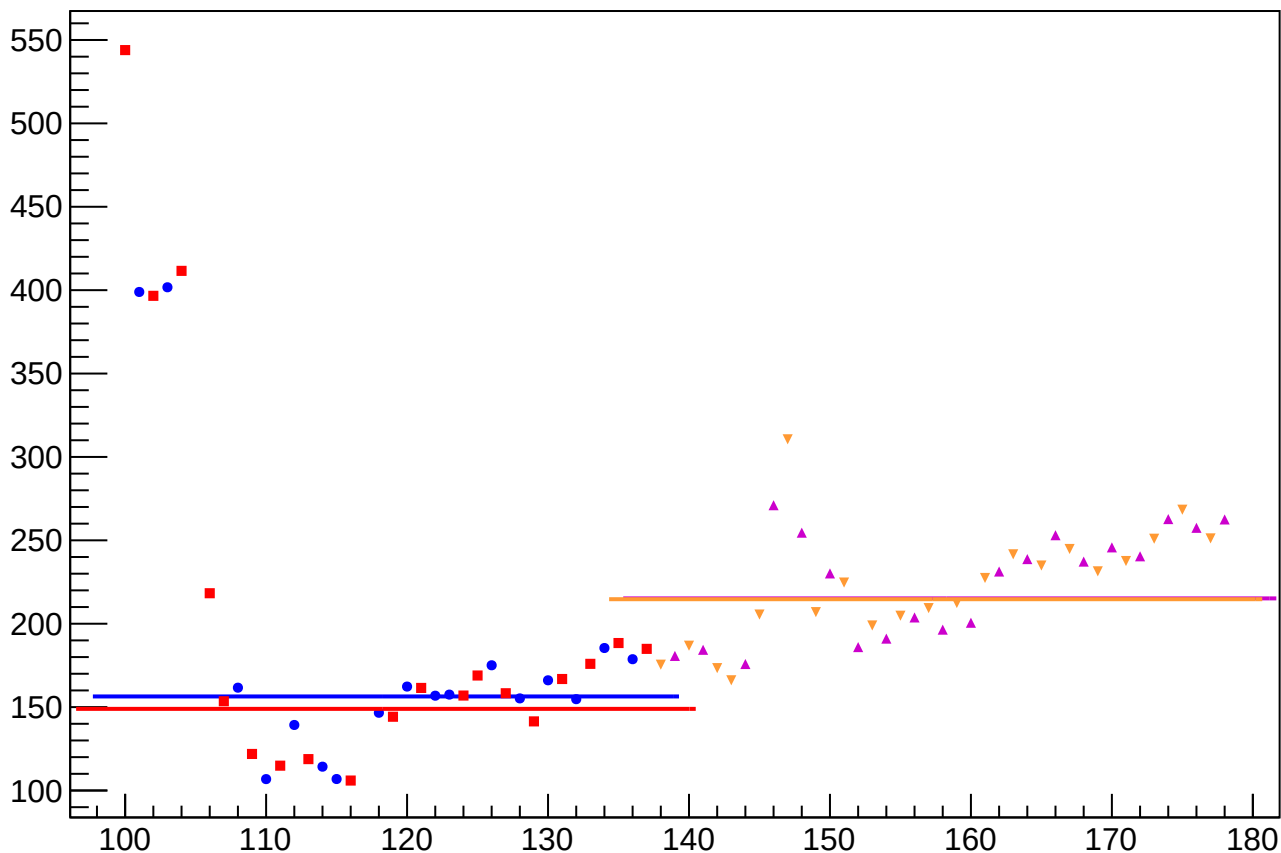
yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064 χ^2 /NDF: 88071774.7/16
 Left Out: 142057.166 $\pm$ 0.055 χ^2 /NDF: 789368381.0/20
 Right Out: 140373.163 $\pm$ 0.060 χ^2 /NDF: 99854533.3/18
 Left In: 142141.034 $\pm$ 0.056 χ^2 /NDF: 628416016.0/19

+ sign 141357.082 $\pm$ 0.042 χ^2 /NDF: 1259215586.4
 All: 141337.636 $\pm$ 0.029 χ^2 /NDF: 245477385
 - sign 141319.146 $\pm$ 0.041 χ^2 /NDF: 1195137056.9/

yield_bpm0l07WS_rms vs Slug



Right In: 156.394 $\pm$ 0.046 χ^2 /NDF: 1154804.2/16

Left Out: 214.700 $\pm$ 0.039 χ^2 /NDF: 638911.0/20

Right Out: 148.949 $\pm$ 0.042 χ^2 /NDF: 1307651.5/18

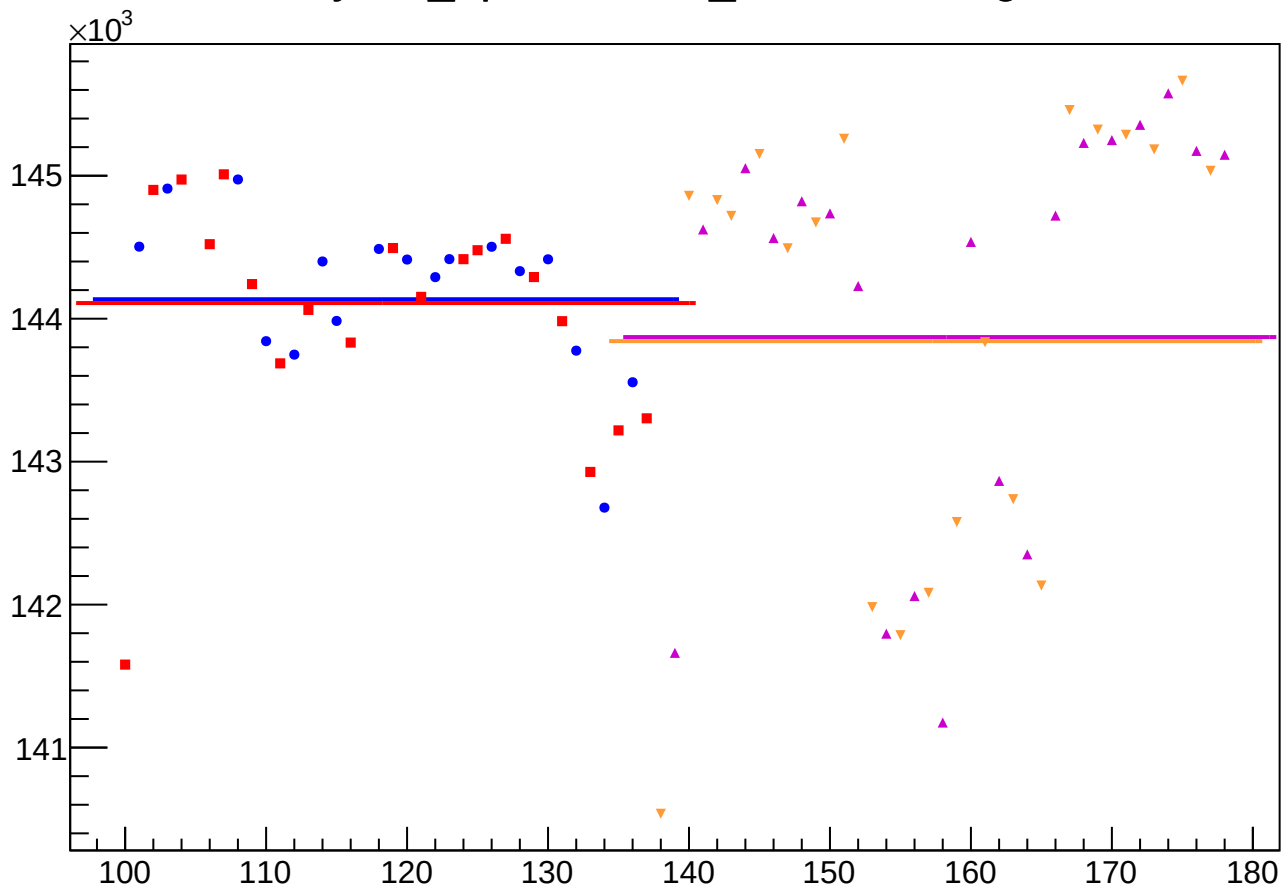
Left In: 215.186 $\pm$ 0.039 χ^2 /NDF: 619543.6/19

+ sign 190.038 $\pm$ 0.030 χ^2 /NDF: 2741238.3/37

All: 187.144 $\pm$ 0.021 χ^2 /NDF: 5997852.3/76

- sign 184.393 $\pm$ 0.029 χ^2 /NDF: 3237958.6/38

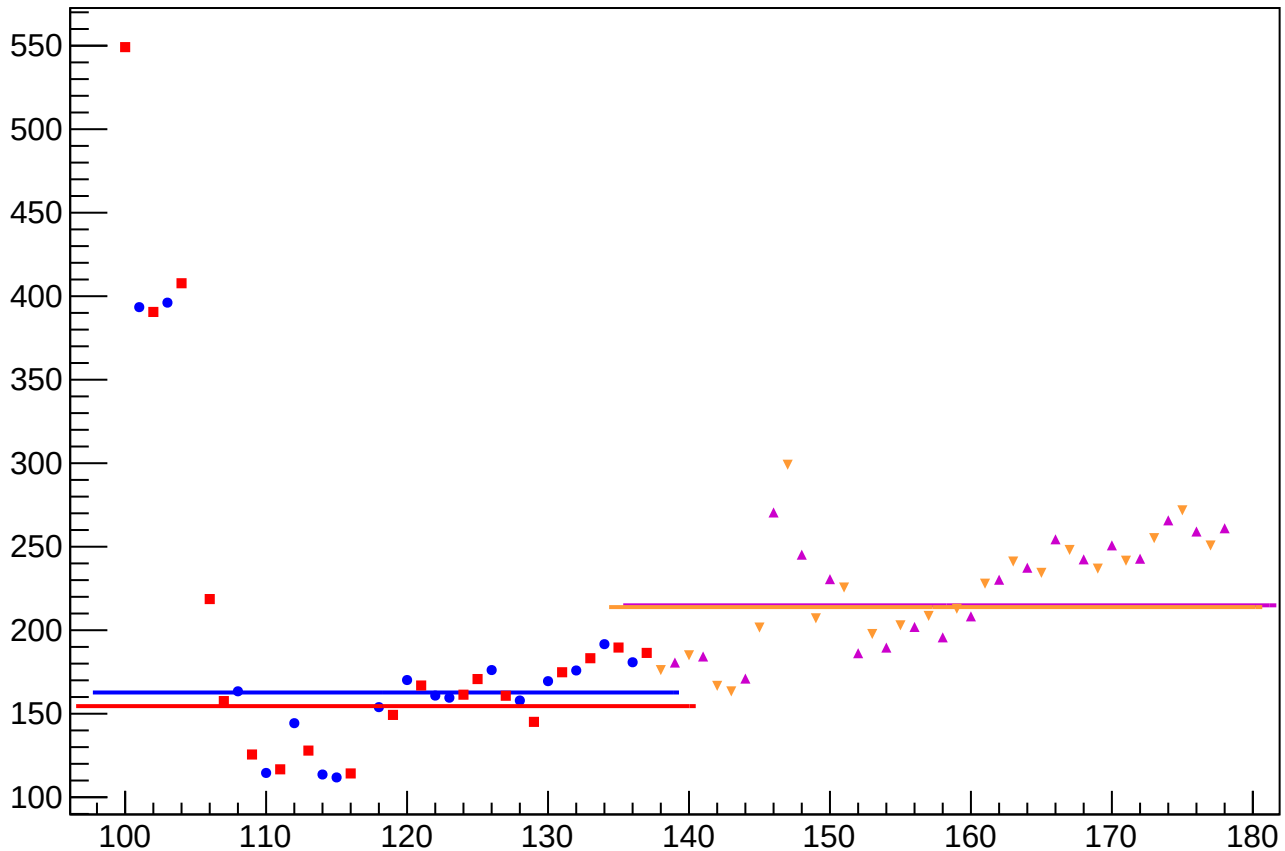
yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 ± 0.067 $\chi^2/\text{NDF}: 47069480.3/16$
 Left Out: 143843.105 ± 0.055 $\chi^2/\text{NDF}: 824468038.1/20$
 Right Out: 144109.419 ± 0.062 $\chi^2/\text{NDF}: 65258627.2/18$
 Left In: 143871.424 ± 0.056 $\chi^2/\text{NDF}: 696237488.1/19$

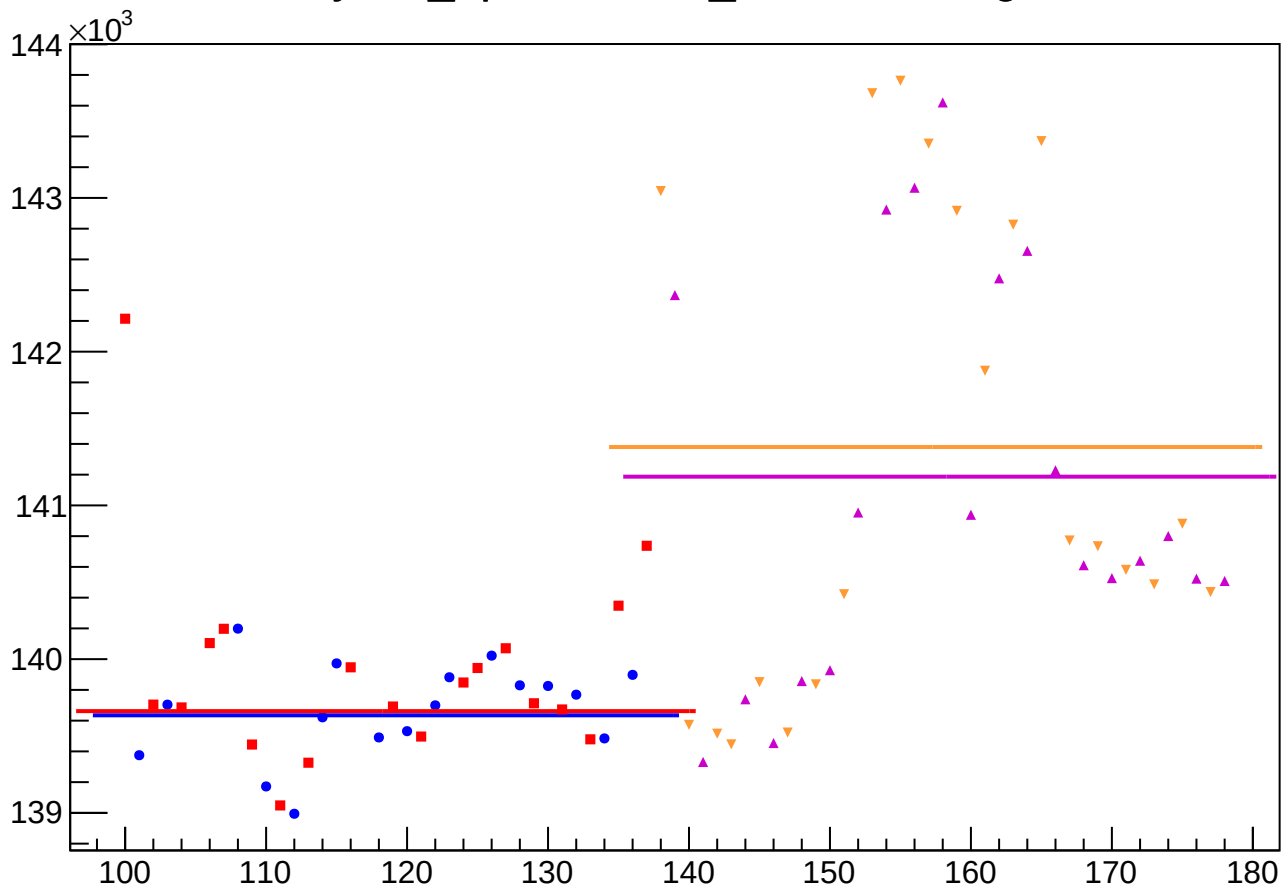
+ sign 143961.280 ± 0.042 $\chi^2/\text{NDF}: 883028799.2/3$
 All: 143969.884 ± 0.030 $\chi^2/\text{NDF}: 165277078$
 - sign 143978.095 ± 0.041 $\chi^2/\text{NDF}: 769661507.5/3$

yield_bpm0l08WS_rms vs Slug



Right In: 162.714+/-0.047	χ^2/NDF : 1066482.0/16	+ sign 193.222+/-0.030	χ^2/NDF : 2456434.5/37
Left Out: 213.843+/-0.039	χ^2/NDF : 690172.8/20	All: 190.474+/-0.021	χ^2/NDF : 5394823.8/76
Right Out: 154.547+/-0.044	χ^2/NDF : 1217495.9/18	- sign 187.851+/-0.029	χ^2/NDF : 2921968.8/38
Left In: 214.904+/-0.039	χ^2/NDF : 654147.6/19		

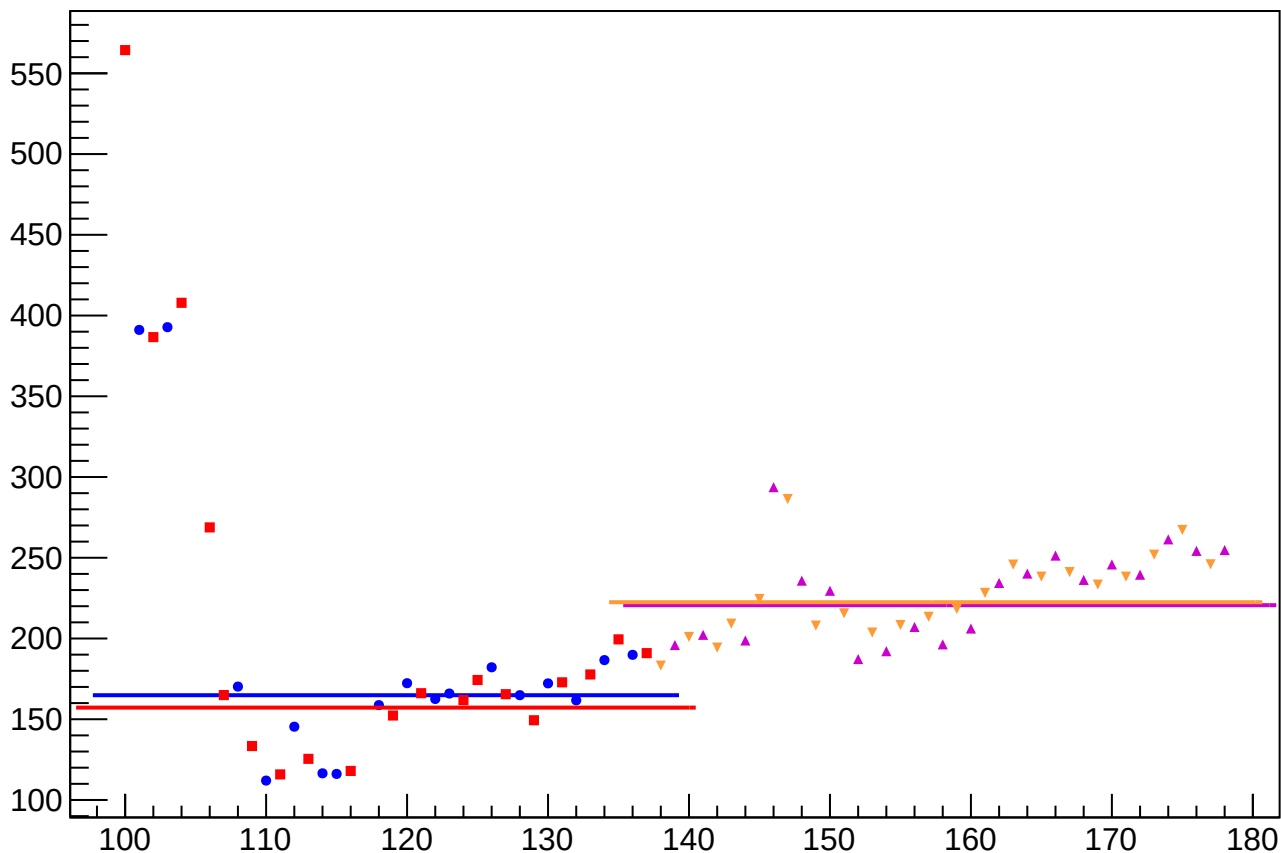
yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 ± 0.068 $\chi^2/\text{NDF}: 24844912.0/16$
 Left Out: 141379.807 ± 0.057 $\chi^2/\text{NDF}: 757160353.2/20$
 Right Out: 139661.970 ± 0.063 $\chi^2/\text{NDF}: 38372985.0/18$
 Left In: 141186.975 ± 0.057 $\chi^2/\text{NDF}: 543972073.3/19$

+ sign 140660.843 ± 0.044 $\chi^2/\text{NDF}: 1171834900.6$
 All: 140578.353 ± 0.030 $\chi^2/\text{NDF}: 20829415$
 - sign 140500.373 ± 0.042 $\chi^2/\text{NDF}: 904112138.2/3$

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 $\pm$ 0.048 χ^2 /NDF: 1066270.8/16

Left Out: 222.478 $\pm$ 0.040 χ^2 /NDF:335678.3/20

Right Out: 157.207 $\pm$ 0.045 χ^2 /NDF: 1245030.9/18

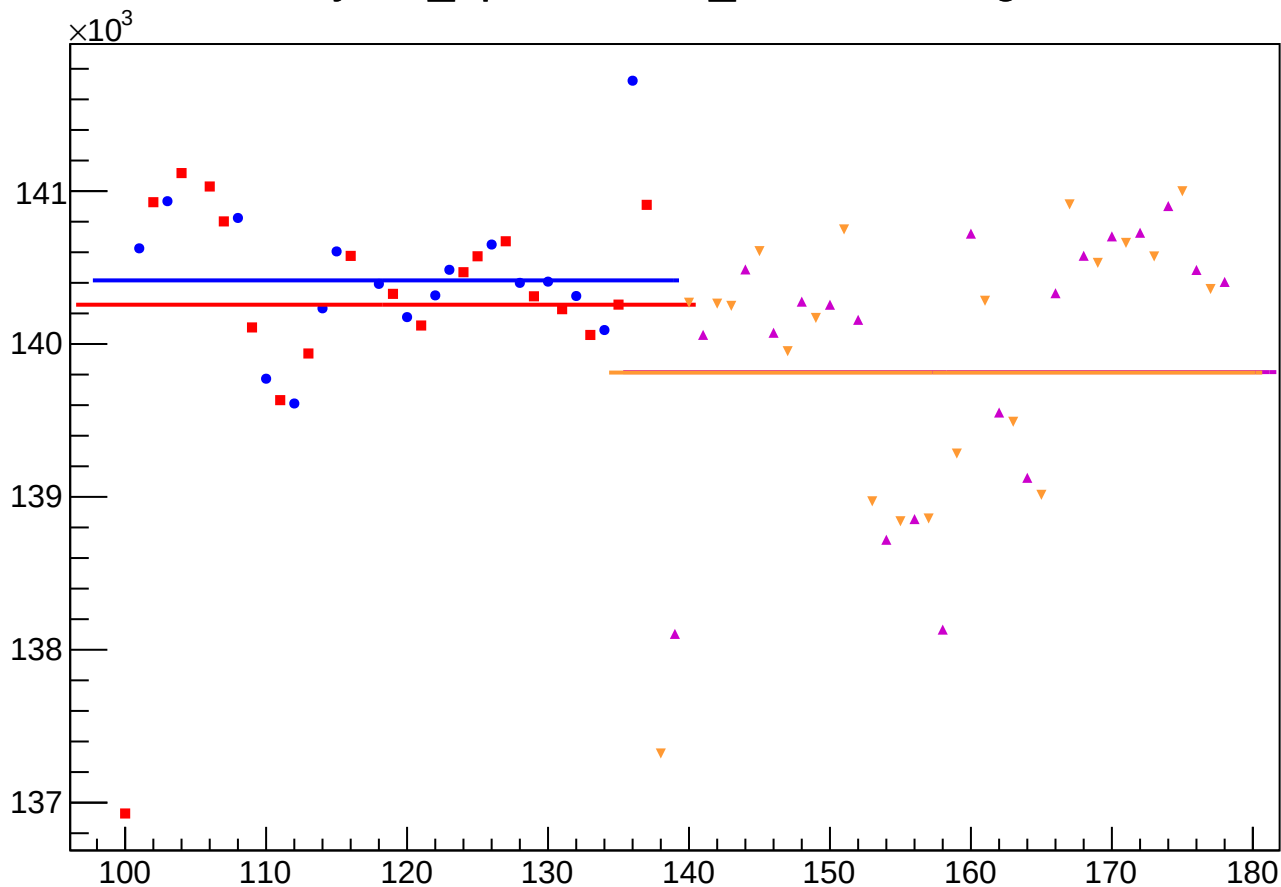
Left In: 220.627 $\pm$ 0.040 χ^2 /NDF:438038.7/19

+ sign 198.750 $\pm$ 0.031 χ^2 /NDF: 2251152.2/37

All: 195.318 $\pm$ 0.021 χ^2 /NDF: 5071400.8/76

- sign 192.074 $\pm$ 0.030 χ^2 /NDF: 2796033.5/38

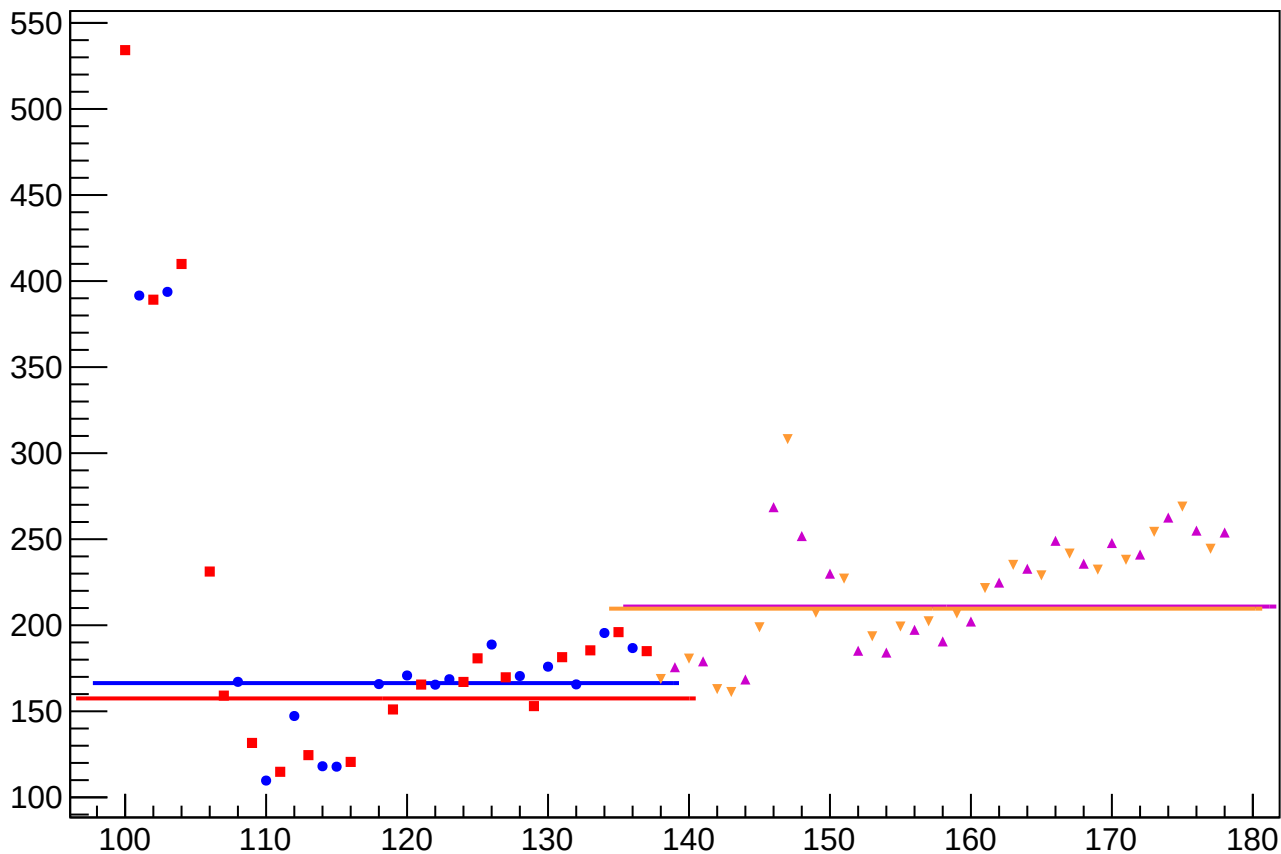
yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 ± 0.068 $\chi^2/\text{NDF}: 69975821.3/16$
 Left Out: 139813.141 ± 0.054 $\chi^2/\text{NDF}: 322226120.0/20$
 Right Out: 140256.992 ± 0.063 $\chi^2/\text{NDF}: 38063371.4/18$
 Left In: 139816.137 ± 0.055 $\chi^2/\text{NDF}: 274122897.1/19$

+ sign 140043.740 ± 0.042 $\chi^2/\text{NDF}: 440191473.3/3$
 All: 140024.025 ± 0.030 $\chi^2/\text{NDF}: 78064504$
 - sign 140005.184 ± 0.041 $\chi^2/\text{NDF}: 340028683.9/3$

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 $\pm$ 0.048 χ^2 /NDF: 1080964.8/16

Left Out: 209.643 $\pm$ 0.038 χ^2 /NDF: 749301.2/20

Right Out: 157.475 $\pm$ 0.045 χ^2 /NDF: 1229886.8/18

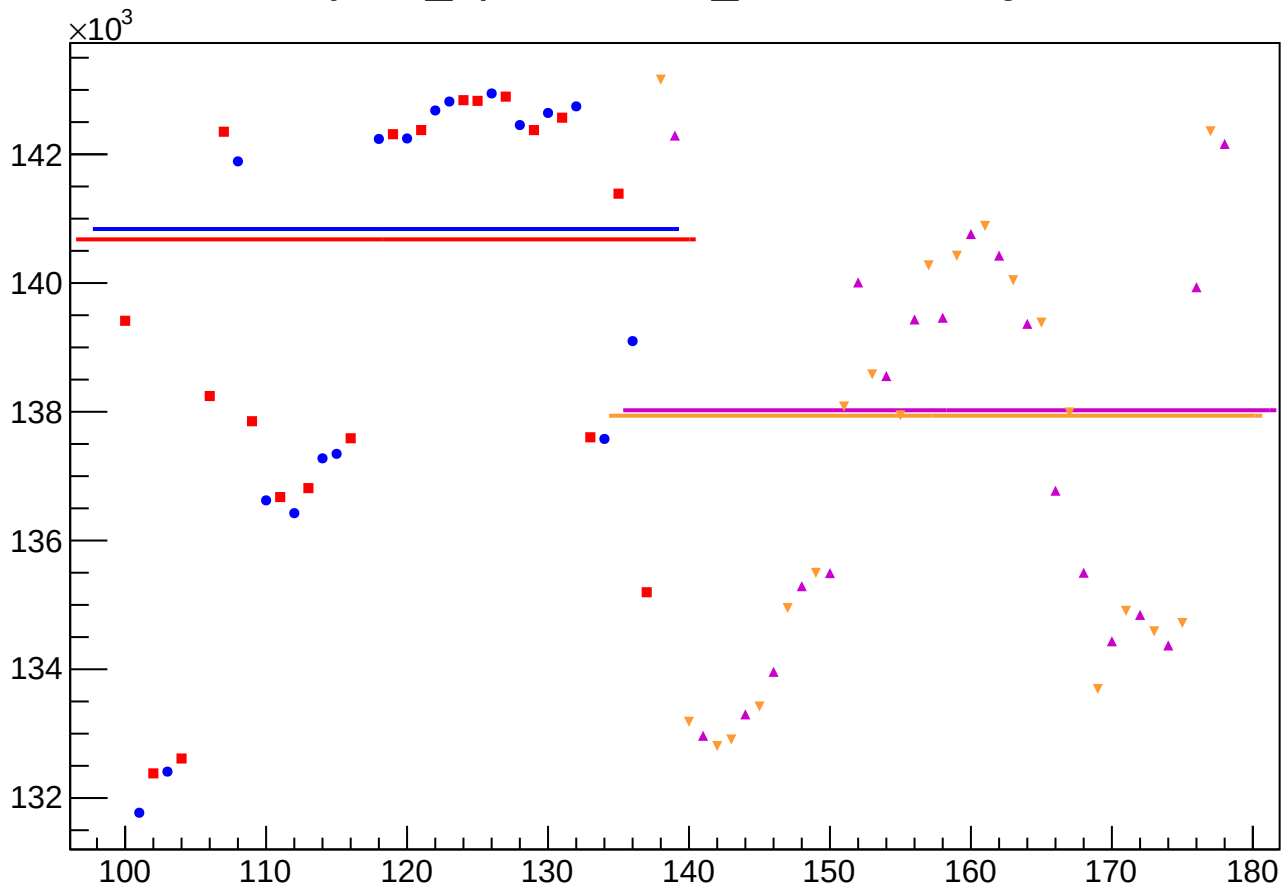
Left In: 210.868 $\pm$ 0.039 χ^2 /NDF: 695918.5/19

+ sign 193.099 $\pm$ 0.030 χ^2 /NDF: 2324274.3/37

All: 190.477 $\pm$ 0.021 χ^2 /NDF: 5081892.6/76

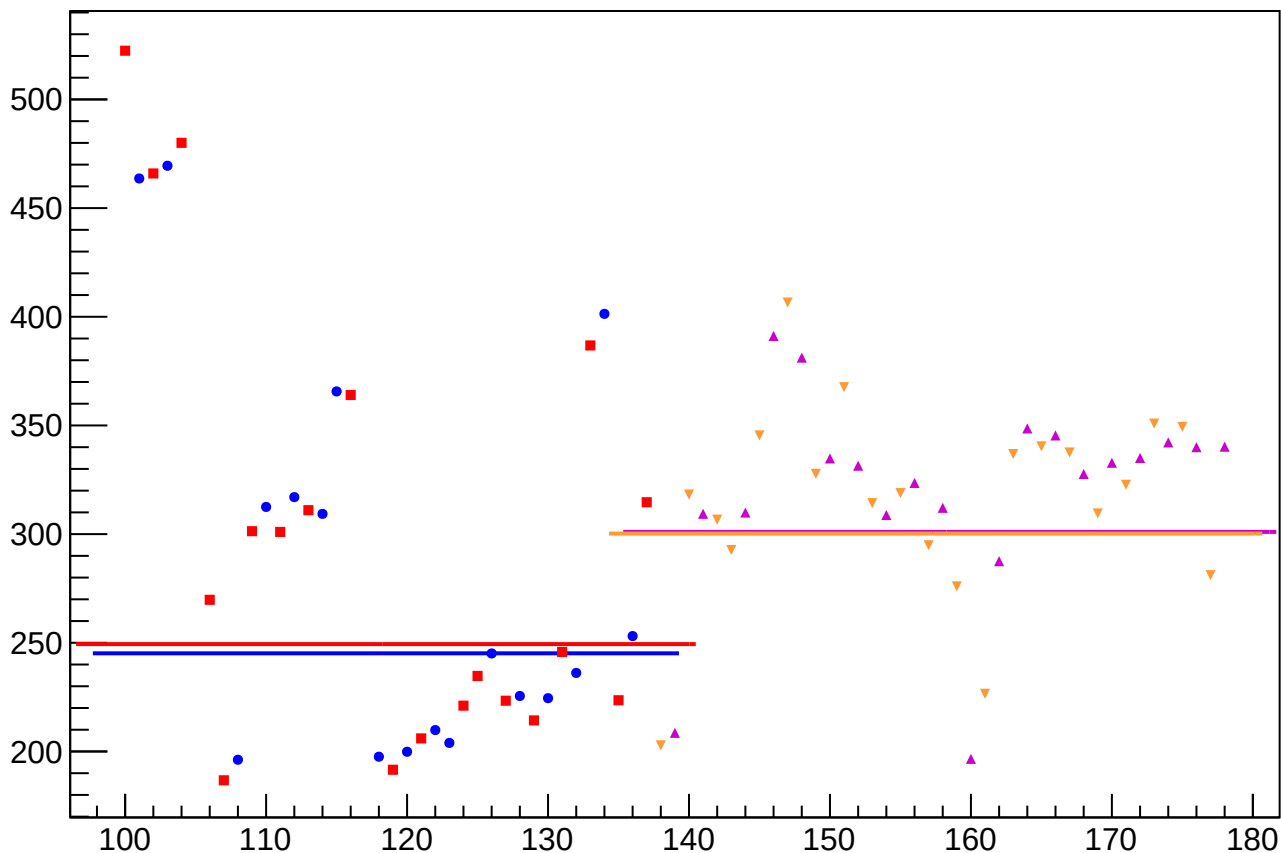
- sign 187.972 $\pm$ 0.029 χ^2 /NDF: 2742590.9/38

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100	χ^2 /NDF: 822682996.3/16	+ sign 139030.316 $\pm$ 0.061	χ^2 /NDF: 3308209223.1/16
Left Out: 137939.521 $\pm$ 0.078	χ^2 /NDF: 1961162458.7/20	All: 139042.718 $\pm$ 0.044	χ^2 /NDF: 61430664/16
Right Out: 140678.513 $\pm$ 0.099	χ^2 /NDF: 840695274.4/18	- sign 139055.296 $\pm$ 0.062	χ^2 /NDF: 2834774884.7/16
Left In: 138023.752 $\pm$ 0.079	χ^2 /NDF: 1555296158.6/19		

yield_bpm0r03WS_rms vs Slug



Right In: 245.159+/-0.071 χ^2/NDF : 869491.6/16

Left Out: 300.250+/-0.055 χ^2/NDF :843398.2/20

Right Out: 249.397+/-0.070 χ^2/NDF : 1009731.2/18

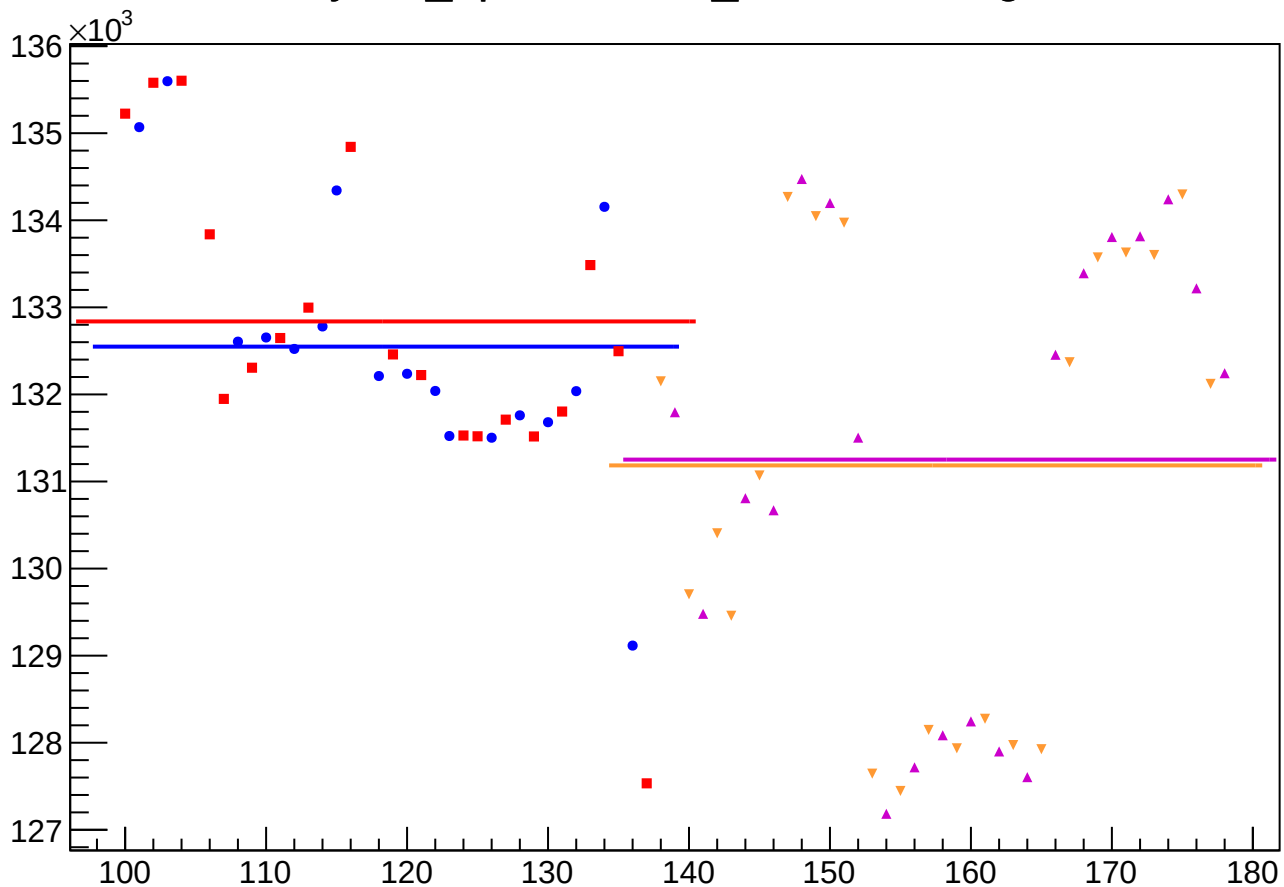
Left In: 301.030+/-0.056 χ^2/NDF :1035346.6/19

+ sign 279.526+/-0.043 χ^2/NDF : 2091464.3/37

All: 280.241+/-0.031 χ^2/NDF : 4469055.1/76

- sign 280.967+/-0.044 χ^2/NDF : 2377042.2/38

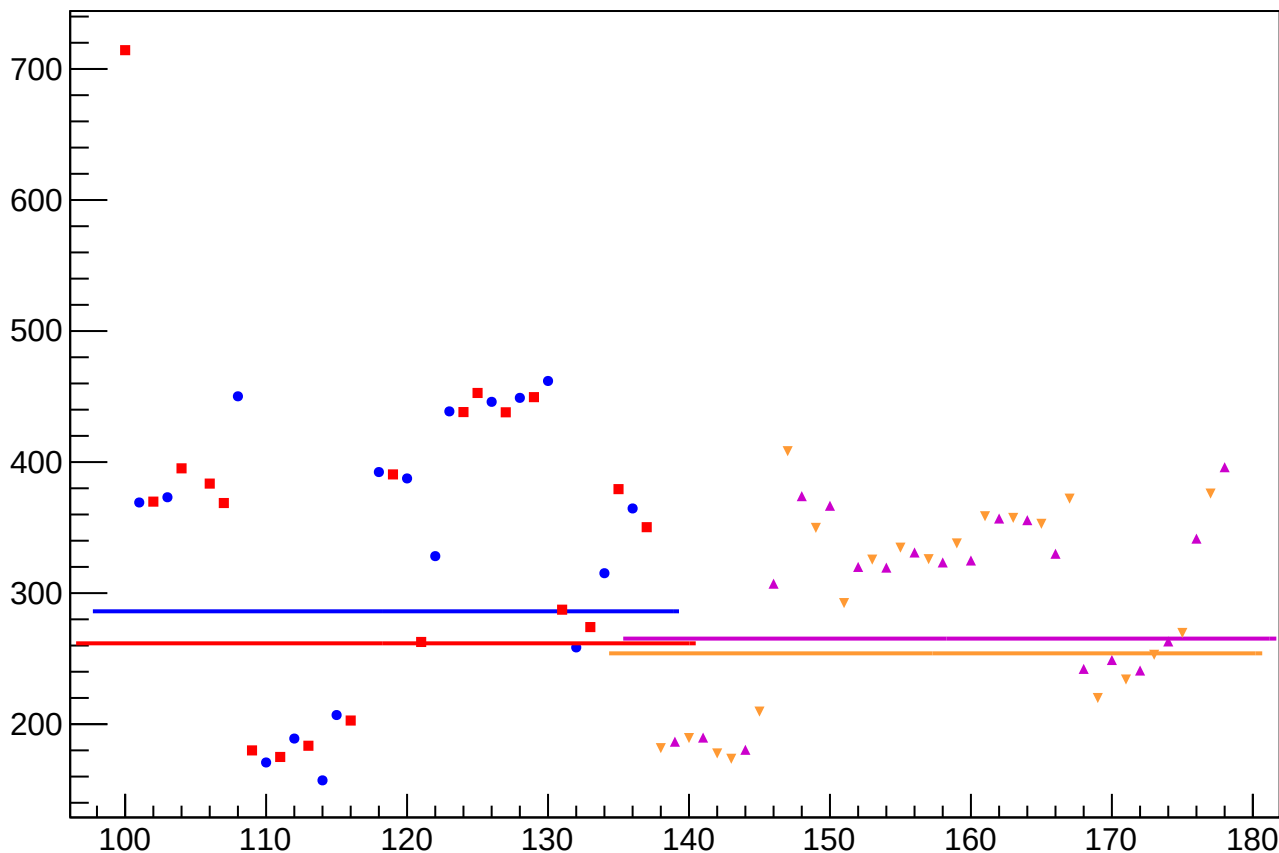
yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16
 Left Out: 131184.816 $\pm$ 0.067 χ^2 /NDF: 1158699718.1/20
 Right Out: 132838.294 $\pm$ 0.107 χ^2 /NDF: 149611447.6/18
 Left In: 131251.505 $\pm$ 0.071 χ^2 /NDF: 1050403140.8/19

+ sign 131512.836 $\pm$ 0.059 χ^2 /NDF: 1418993659.5
 All: 131621.417 $\pm$ 0.042 χ^2 /NDF: 277906618
 - sign 131731.326 $\pm$ 0.059 χ^2 /NDF: 1353149008.9/

yield_bpm0r05WS_rms vs Slug



Right In: 286.122 ± 0.084 χ^2/NDF : 1525266.4/16

Left Out: 254.039 ± 0.047 χ^2/NDF : 2313941.0/20

Right Out: 261.686 ± 0.076 χ^2/NDF : 1623174.1/18

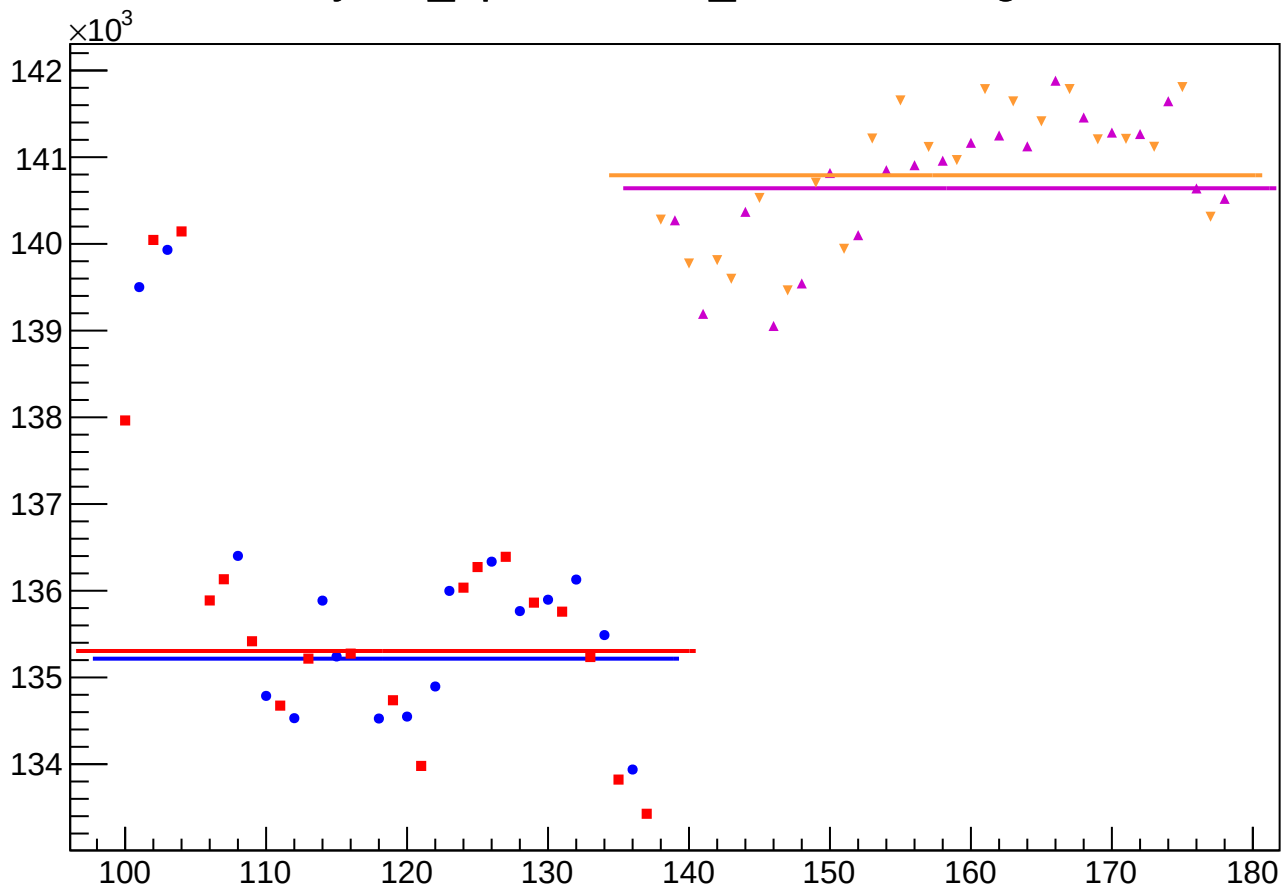
Left In: 265.291 ± 0.050 χ^2/NDF : 1911918.2/19

+ sign 261.754 ± 0.041 χ^2/NDF : 3948936.1/37

All: 262.970 ± 0.029 χ^2/NDF : 7487344.5/76

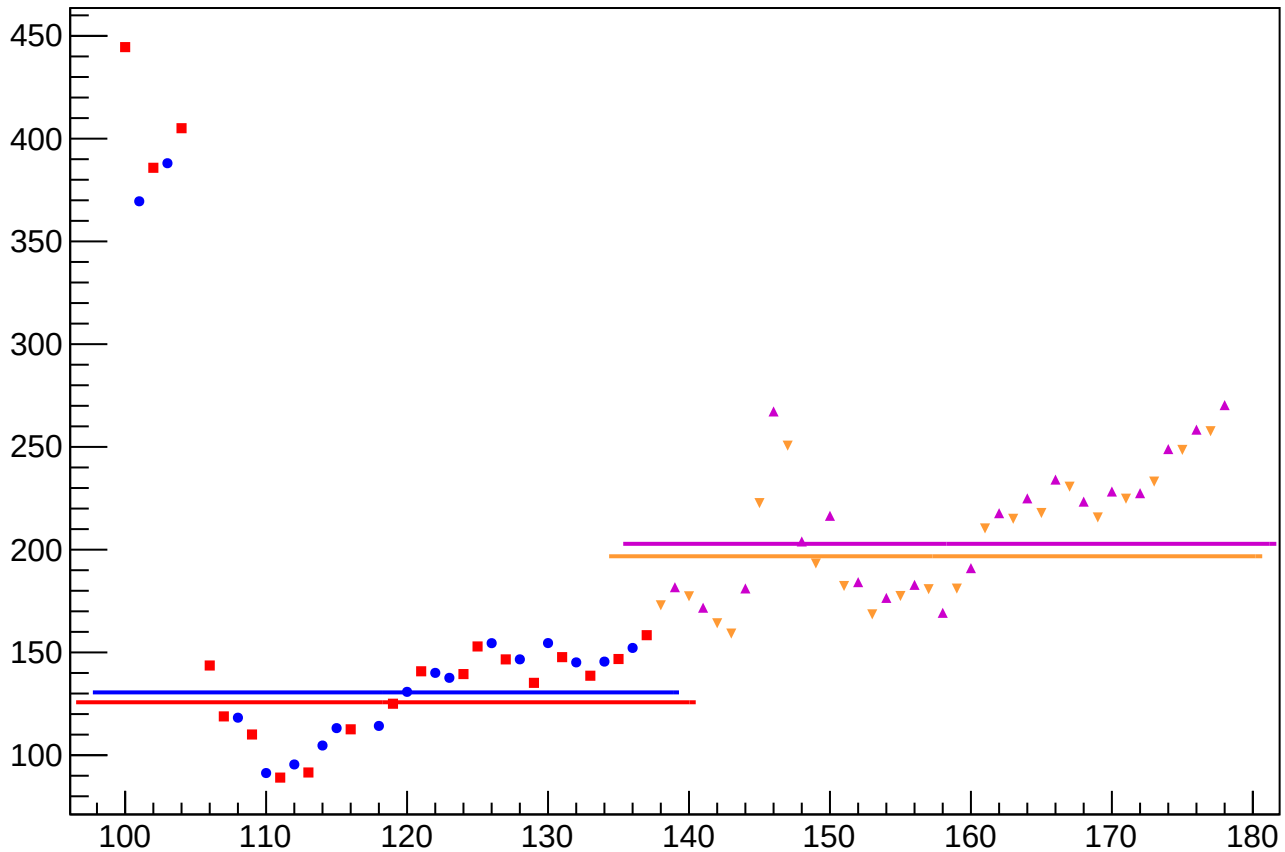
- sign 264.201 ± 0.042 χ^2/NDF : 3536672.4/38

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054	χ^2 /NDF: 371347707.3/16	+ sign 138208.987 $\pm$ 0.037	χ^2 /NDF: 6237322826.0
Left Out: 140791.457 $\pm$ 0.050	χ^2 /NDF: 219746168.5/20	All: 138051.417 $\pm$ 0.026	χ^2 /NDF: 121092395
Right Out: 135305.135 $\pm$ 0.051	χ^2 /NDF: 357636841.6/18	- sign 137896.525 $\pm$ 0.037	χ^2 /NDF: 5835943940.7
Left In: 140641.660 $\pm$ 0.053	χ^2 /NDF: 190871140.4/19		

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 196.788 $\pm$ 0.036 χ^2 /NDF: 628818.7/20

Right Out: 125.746 $\pm$ 0.036 χ^2 /NDF: 1440002.5/18

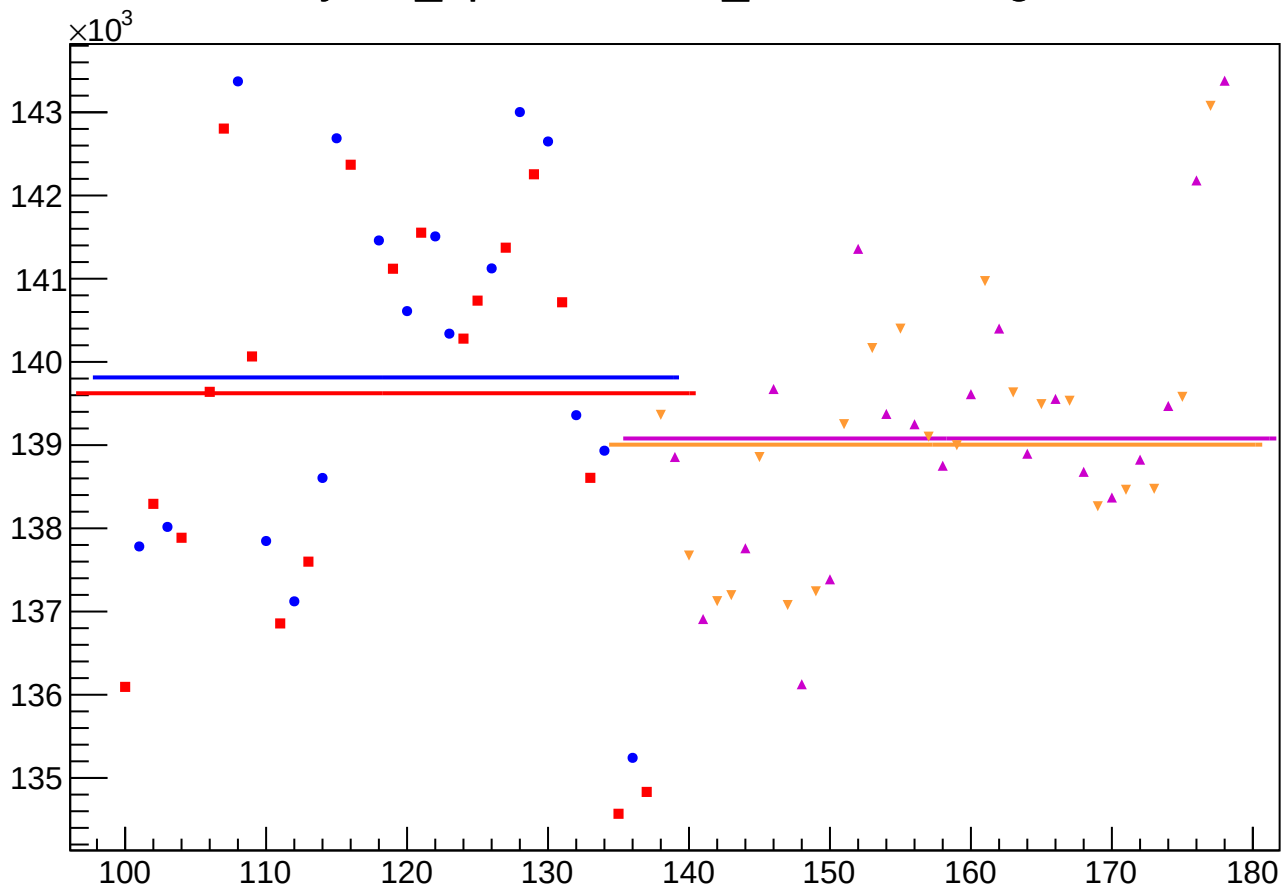
Left In: 202.843 $\pm$ 0.037 χ^2 /NDF: 634868.1/19

+ sign 166.105 $\pm$ 0.026 χ^2 /NDF: 3596010.5/37

All: 164.632 $\pm$ 0.018 χ^2 /NDF: 7884377.9/76

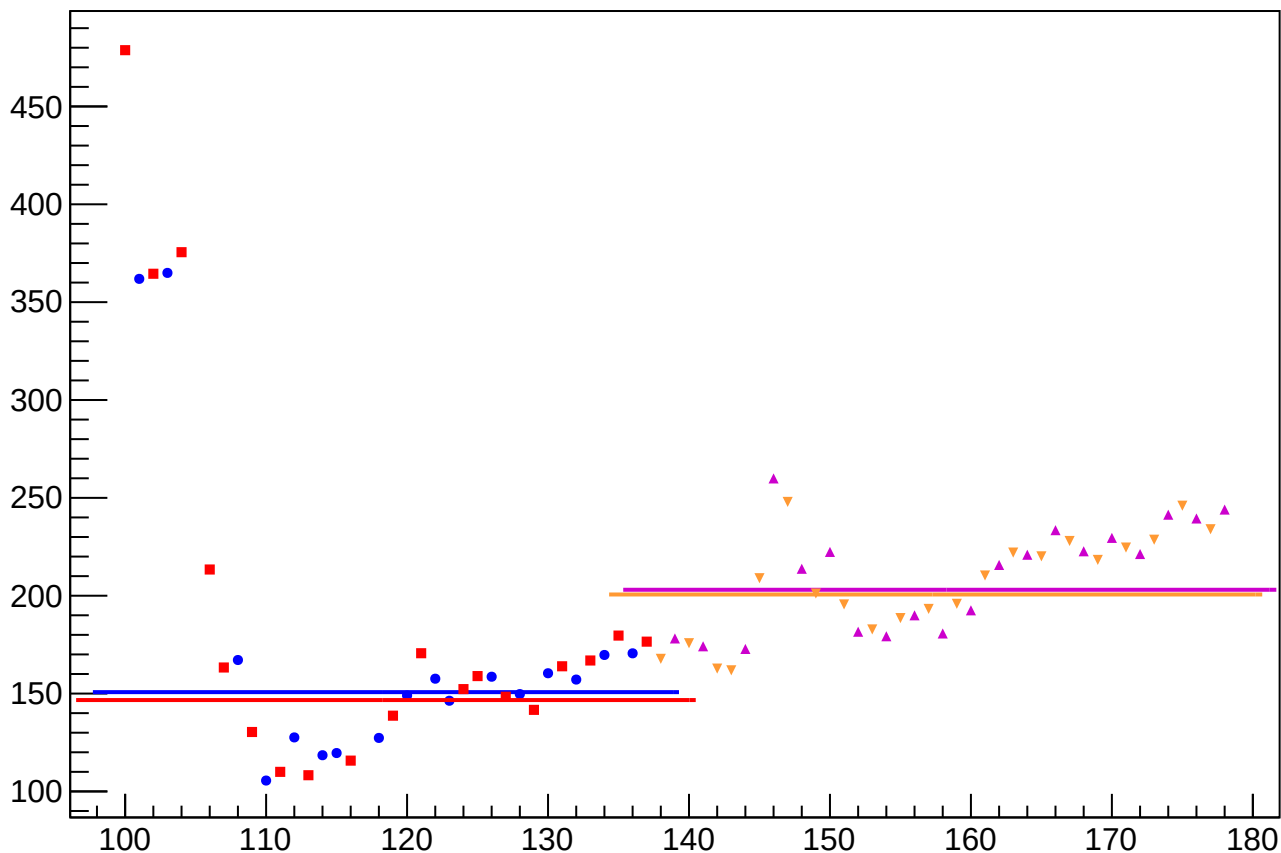
- sign 163.184 $\pm$ 0.026 χ^2 /NDF: 4282079.9/38

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16
 Left Out: 139005.639 $\pm$ 0.051 χ^2 /NDF: 701825812.5/20
 Right Out: 139623.387 $\pm$ 0.059 χ^2 /NDF: 1505731109.1/18
 Left In: 139079.726 $\pm$ 0.053 χ^2 /NDF: 924433753.9/19

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 200.628+/-0.036 χ^2/NDF : 473971.3/20

Right Out: 146.686+/-0.042 χ^2/NDF : 1203106.6/18

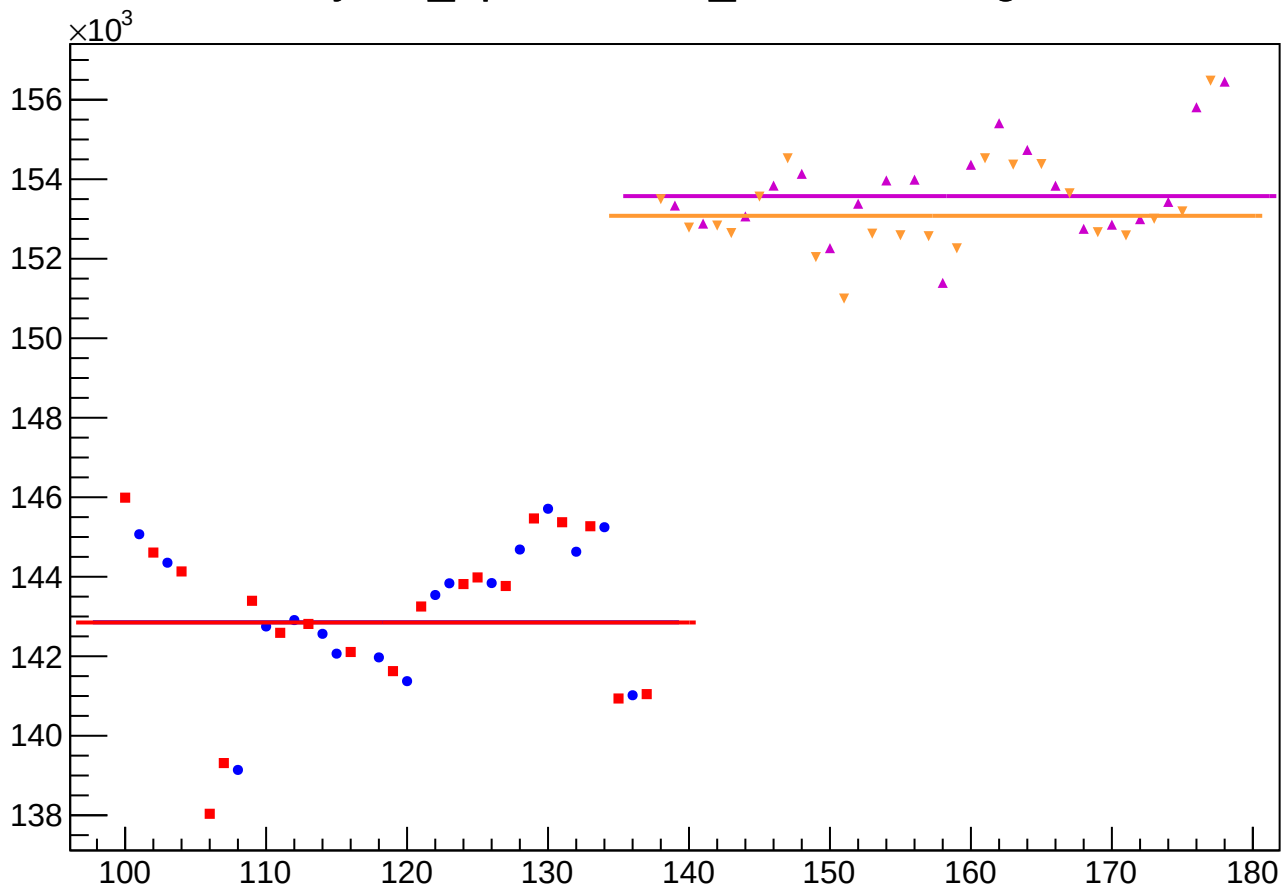
Left In: 203.042+/-0.037 χ^2/NDF : 490979.0/19

+ sign 180.251+/-0.028 χ^2/NDF : 2292251.3/37

All: 179.162+/-0.020 χ^2/NDF : 5005480.9/76

- sign 178.089+/-0.028 χ^2/NDF : 2710222.1/38

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065 χ^2/NDF : 740367386.5/16

Left Out: 153080.135 $\pm$ 0.052 χ^2/NDF : 426725824.6/20

Right Out: 142849.362 $\pm$ 0.060 χ^2/NDF : 850066807.5/18

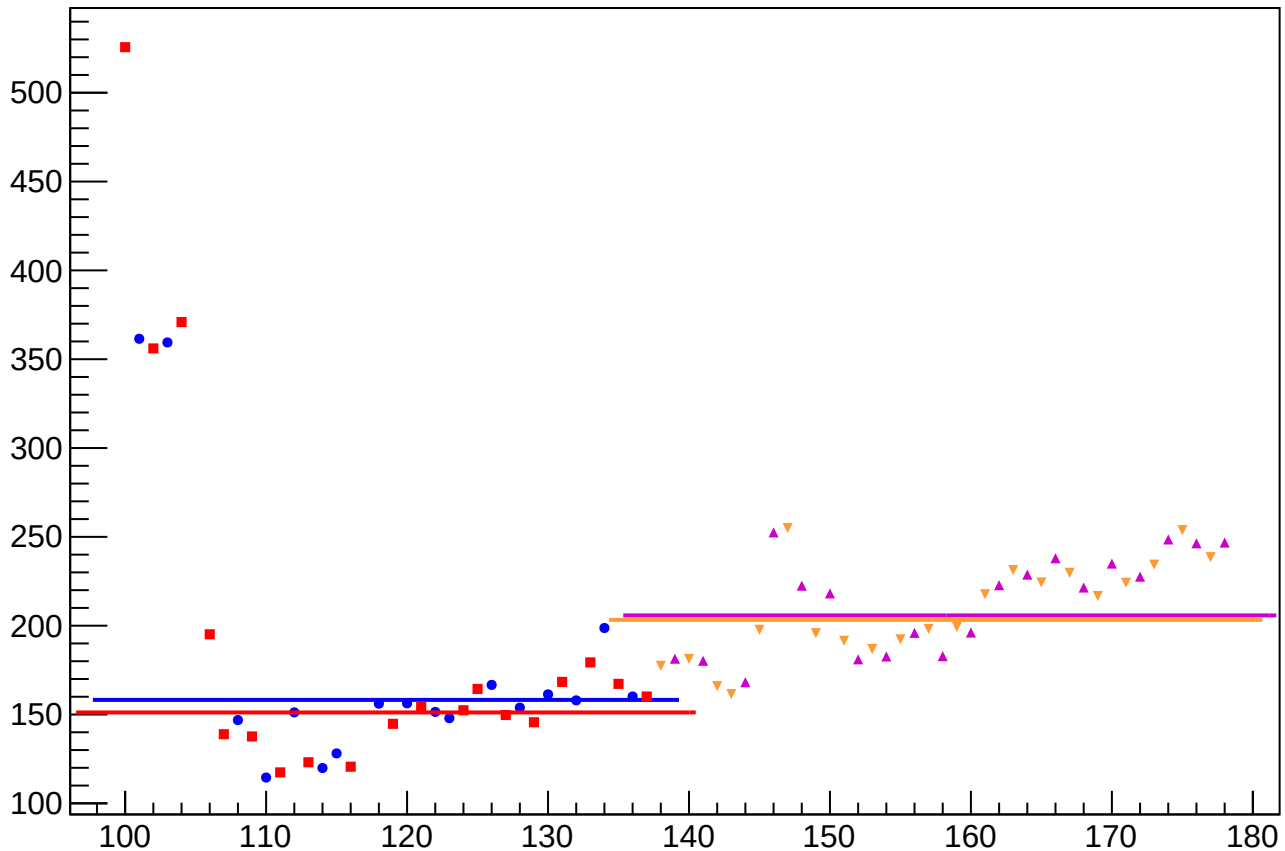
Left In: 153575.652 $\pm$ 0.053 χ^2/NDF : 451194357.5/19

+ sign 149056.909 $\pm$ 0.041 χ^2/NDF : 16336619717.5

All: 148967.676 $\pm$ 0.028 χ^2/NDF : 353841703

- 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: 203.292 ± 0.037 χ^2/NDF : 476288.4/20

Right Out: 151.174 ± 0.043 χ^2/NDF : 1003301.6/18

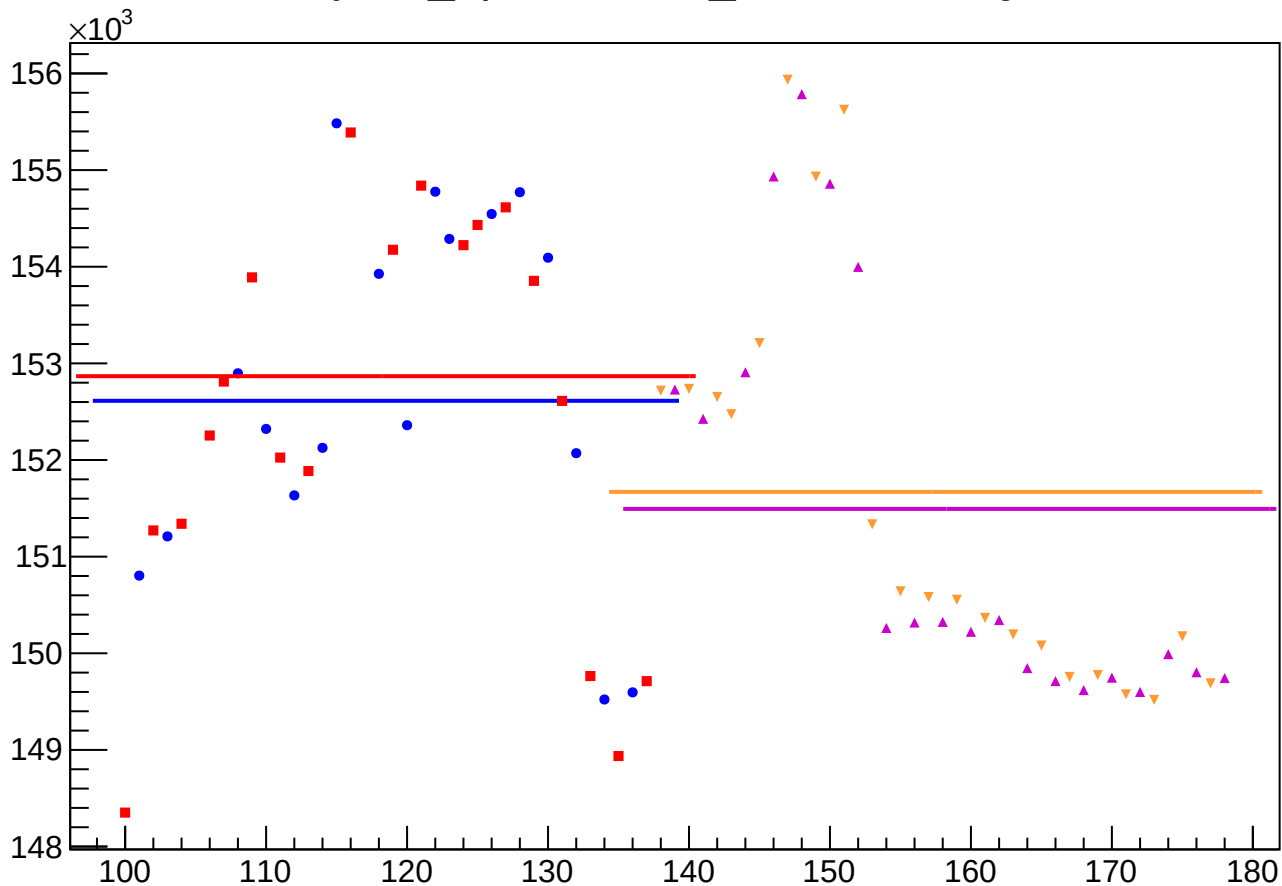
Left In: 205.772 ± 0.038 χ^2/NDF : 511007.9/19

+ sign 185.564 ± 0.029 χ^2/NDF : 1948876.7/37

All: 183.692 ± 0.020 χ^2/NDF : 4390651.2/76

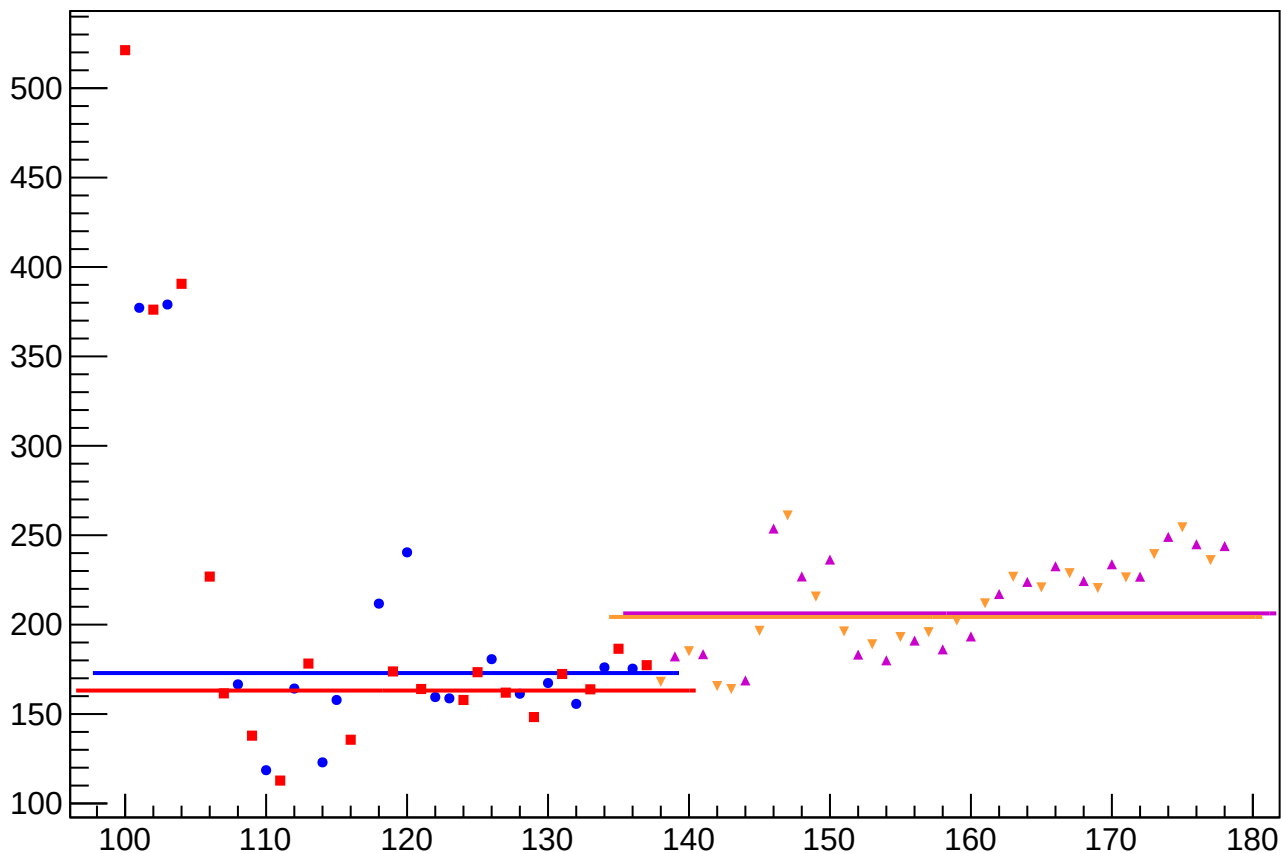
- sign 181.876 ± 0.028 χ^2/NDF : 2433382.2/38

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072	χ^2 /NDF: 621416187.4/16	+ sign 151993.817 $\pm$ 0.042	χ^2 /NDF: 2061626810.3
Left Out: 151670.331 $\pm$ 0.052	χ^2 /NDF: 1328257758.0/20	All: 152014.323 $\pm$ 0.030	χ^2 /NDF: 43735225
Right Out: 152867.453 $\pm$ 0.066	χ^2 /NDF: 719075986.4/18	- sign 152034.097 $\pm$ 0.042	χ^2 /NDF: 2311433744.0/
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: 204.296+/-0.037 χ^2/NDF : 495963.4/20

Right Out: 163.138+/-0.047 χ^2/NDF : 1033751.2/18

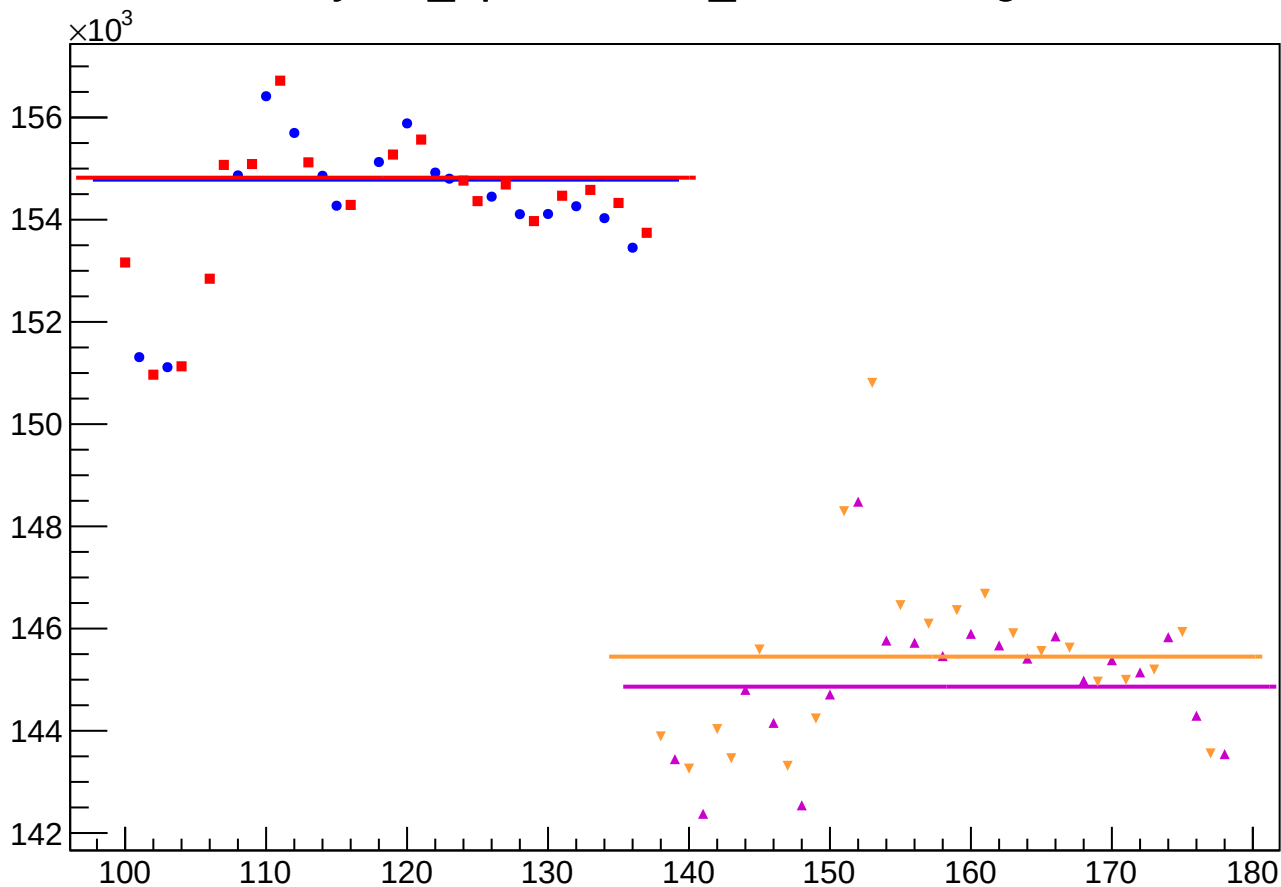
Left In: 206.279+/-0.038 χ^2/NDF : 510453.6/19

+ sign 193.525+/-0.030 χ^2/NDF : 1686177.3/37

All: 191.382+/-0.021 χ^2/NDF : 3755595.9/76

- sign 189.315+/-0.029 χ^2/NDF : 2059326.7/38

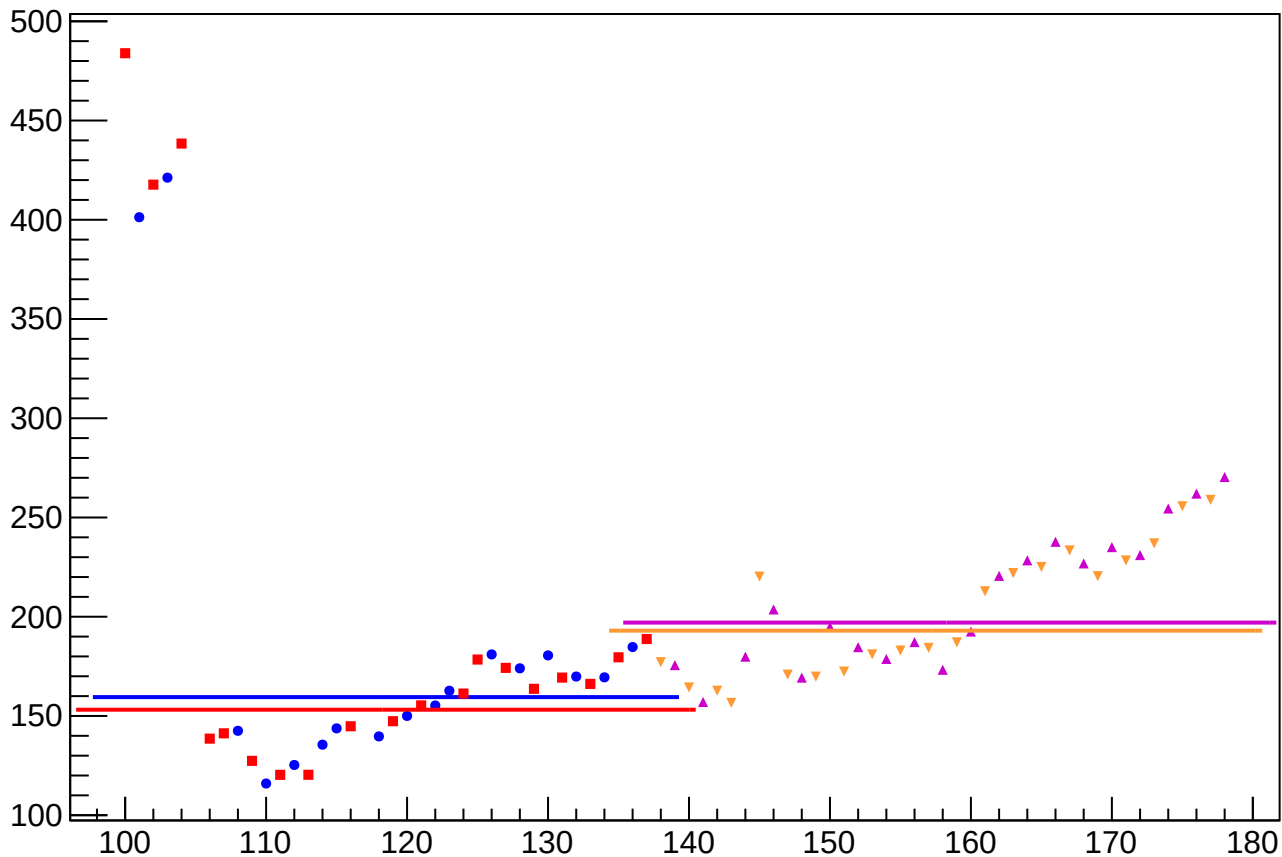
yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16
 Left Out: 145451.239 $\pm$ 0.049 χ^2 /NDF: 1537417840.7/20
 Right Out: 154822.113 $\pm$ 0.061 χ^2 /NDF: 293850525.9/18
 Left In: 144863.508 $\pm$ 0.051 χ^2 /NDF: 859924147.8/19

+ sign 148841.361 $\pm$ 0.039 χ^2 /NDF: 14782351108.
 All: 148905.010 $\pm$ 0.028 χ^2 /NDF: 316675183.
 - sign 148967.663 $\pm$ 0.039 χ^2 /NDF: 16879987960.0

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 ± 0.046 χ^2/NDF : 1131844.5/16

Left Out: 192.988 ± 0.035 χ^2/NDF : 698208.3/20

Right Out: 153.153 ± 0.043 χ^2/NDF : 1173739.7/18

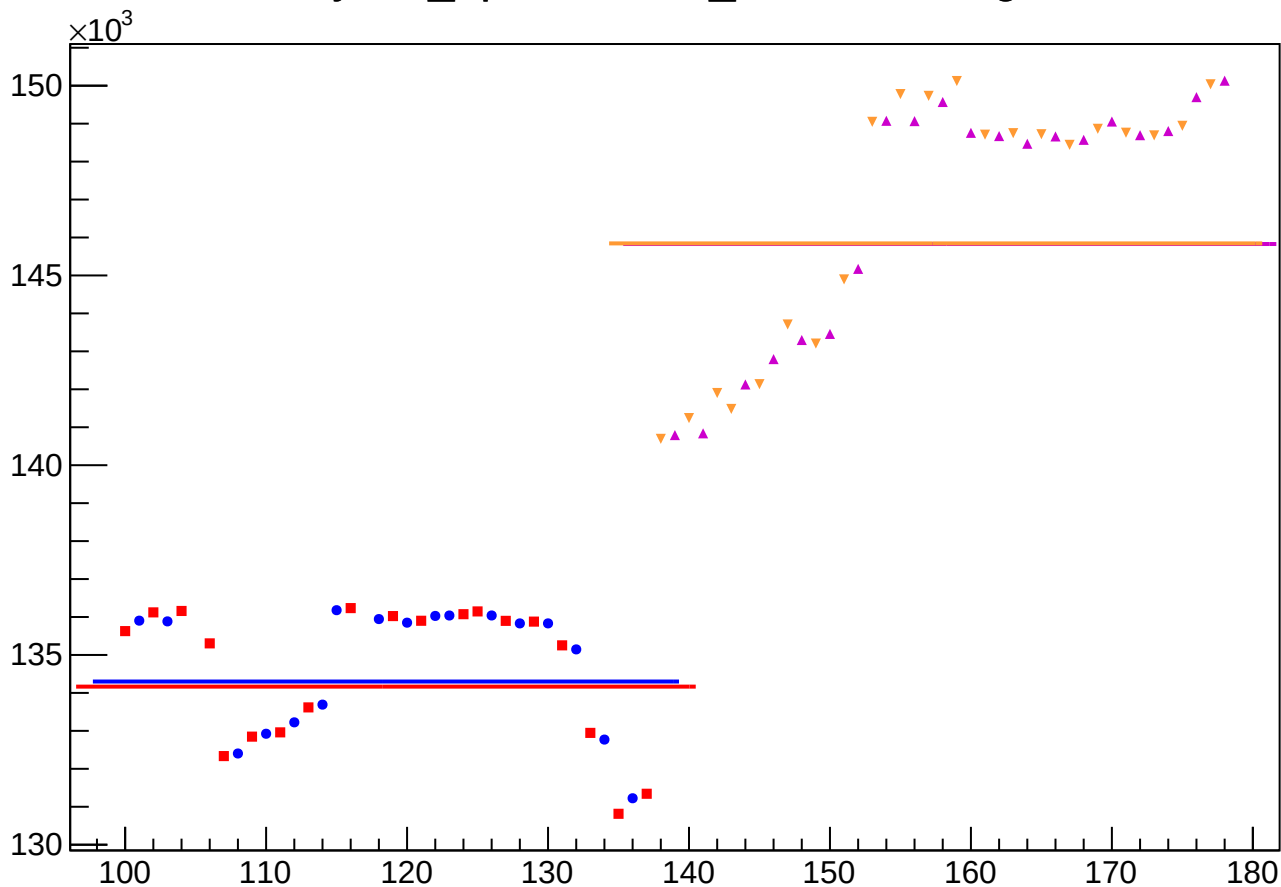
Left In: 197.047 ± 0.036 χ^2/NDF : 701567.6/19

+ sign 180.825 ± 0.028 χ^2/NDF : 2164206.2/37

All: 179.884 ± 0.020 χ^2/NDF : 4652803.1/76

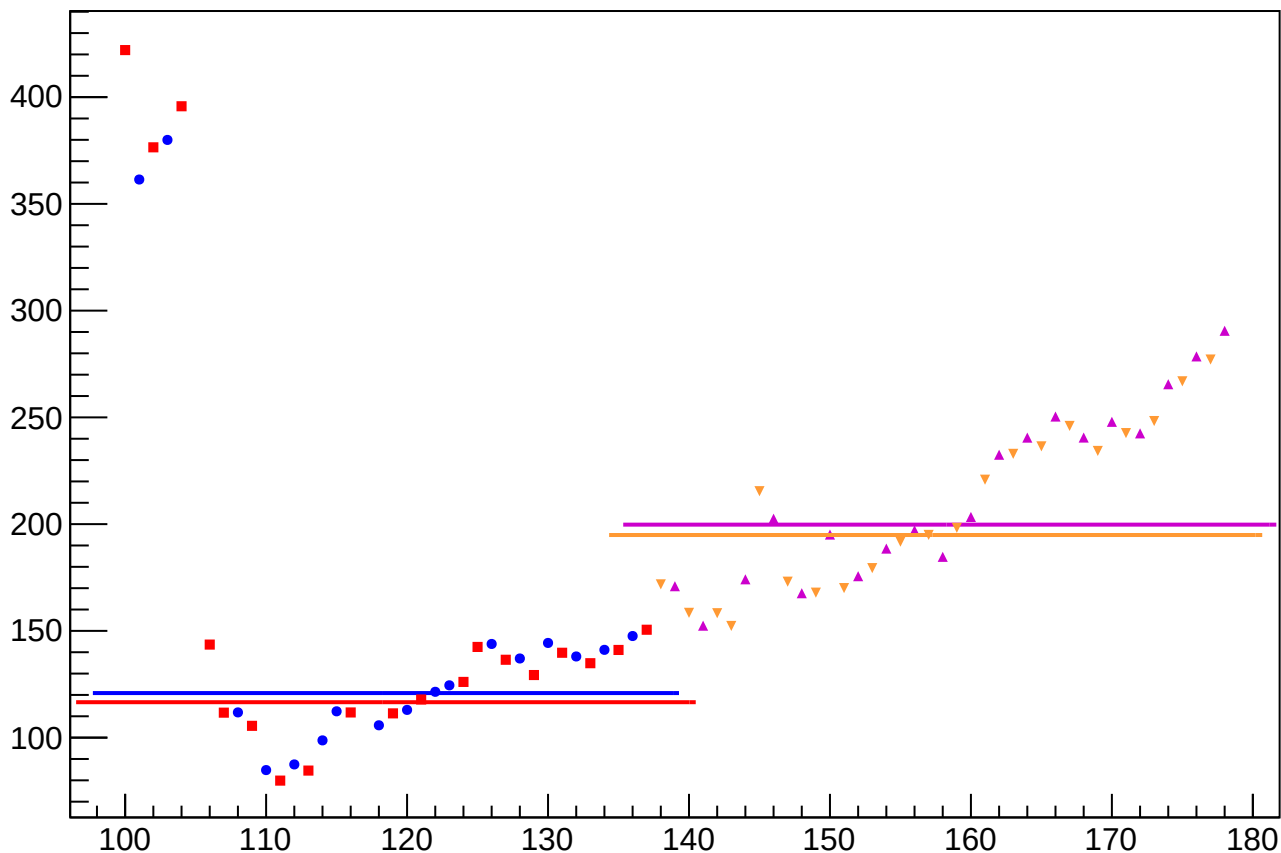
- sign 178.958 ± 0.028 χ^2/NDF : 2486333.4/38

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025+/-0.050	χ^2/NDF : 1149581803.2/16	+ sign 140099.472+/-0.036	χ^2/NDF : 32529744560.
Left Out: 145844.283+/-0.050	χ^2/NDF : 4962873156.6/20	All: 139777.171+/-0.025	χ^2/NDF : 657253378
Right Out: 134165.615+/-0.047	χ^2/NDF : 1211471052.4/18	- sign 139463.932+/-0.035	χ^2/NDF : 33033177155.0
Left In: 145828.298+/-0.052	χ^2/NDF : 4310937046.7/19		

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 194.904 $\pm$ 0.035 χ^2 /NDF: 975024.2/20

Right Out: 116.595 $\pm$ 0.034 χ^2 /NDF: 1541338.5/18

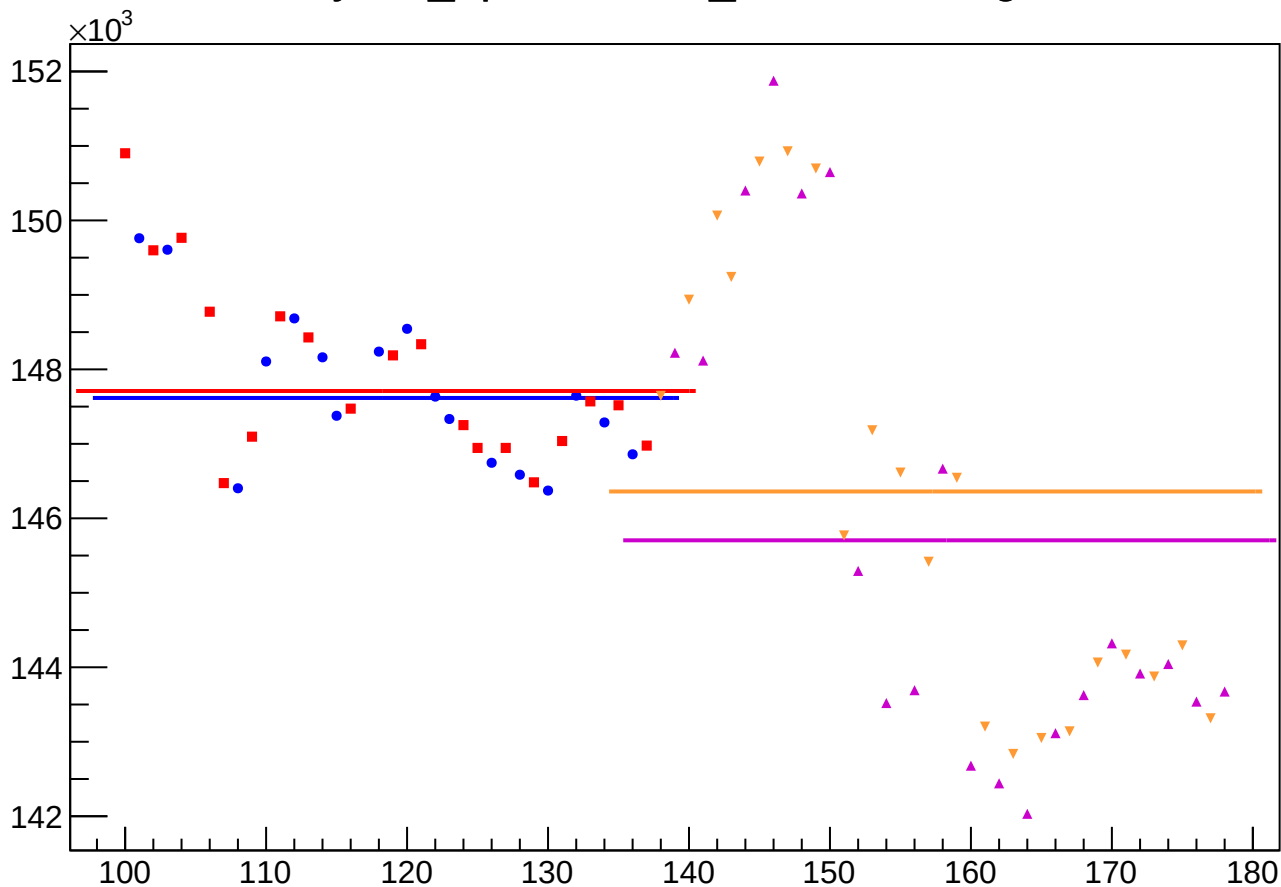
Left In: 199.760 $\pm$ 0.037 χ^2 /NDF: 963814.0/19

+ sign 158.063 $\pm$ 0.025 χ^2 /NDF: 4611549.3/37

All: 156.194 $\pm$ 0.018 χ^2 /NDF: 9925456.8/76

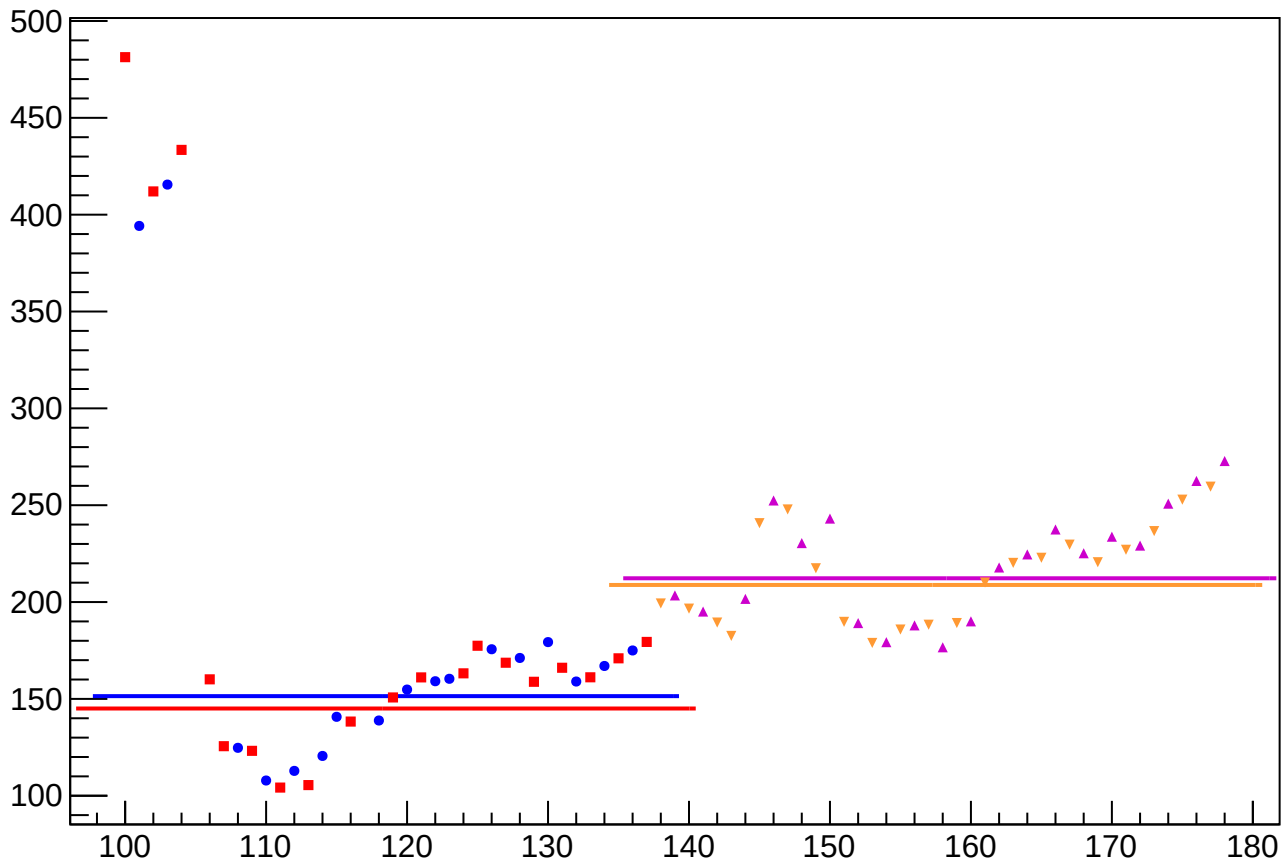
- sign 154.376 $\pm$ 0.025 χ^2 /NDF: 5302974.8/38

yield_bpm1i06WS_mean vs Slug



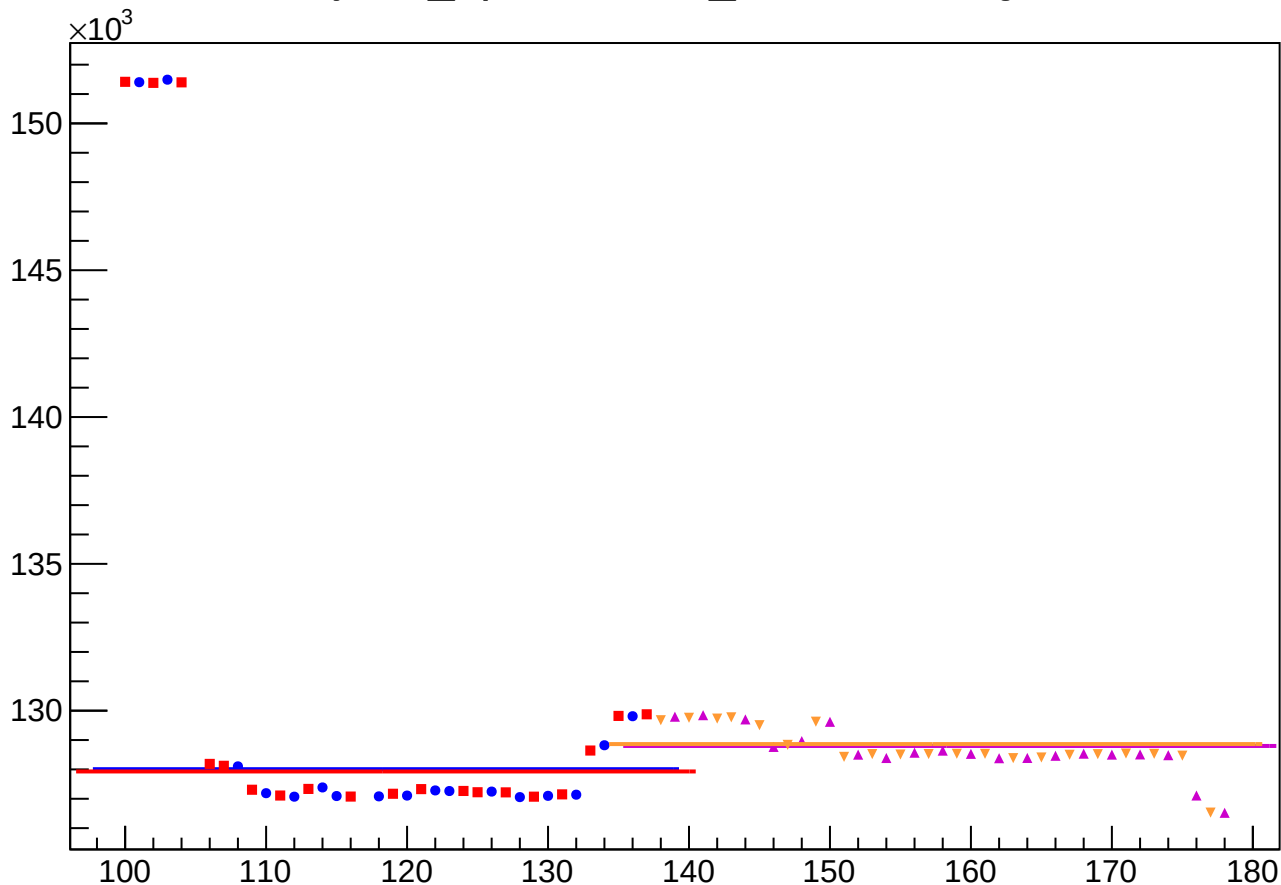
Right In: 147616.150 ± 0.062	$\chi^2/\text{NDF}: 199263428.7/16$	+ sign 146888.497 ± 0.041	$\chi^2/\text{NDF}: 2852718904.7/16$
Left Out: 146360.571 ± 0.053	$\chi^2/\text{NDF}: 2419443497.9/20$	All: 146764.568 ± 0.028	$\chi^2/\text{NDF}: 664494759.9/20$
Right Out: 147709.723 ± 0.058	$\chi^2/\text{NDF}: 203906685.9/18$	- sign 146644.223 ± 0.040	$\chi^2/\text{NDF}: 3773787468.5/18$
Left In: 145704.703 ± 0.055	$\chi^2/\text{NDF}: 2941898421.0/19$		

yield_bpm1i06WS_rms vs Slug



Right In: 151.424+/-0.044	χ^2/NDF : 1257843.0/16	+ sign 184.691+/-0.029	χ^2/NDF : 2633803.4/37
Left Out: 208.827+/-0.038	χ^2/NDF : 397725.9/20	All: 182.701+/-0.020	χ^2/NDF : 5931346.4/76
Right Out: 145.039+/-0.041	χ^2/NDF : 1375972.0/18	- sign 180.768+/-0.028	χ^2/NDF : 3288032.0/38
Left In: 212.273+/-0.039	χ^2/NDF : 499819.2/19		

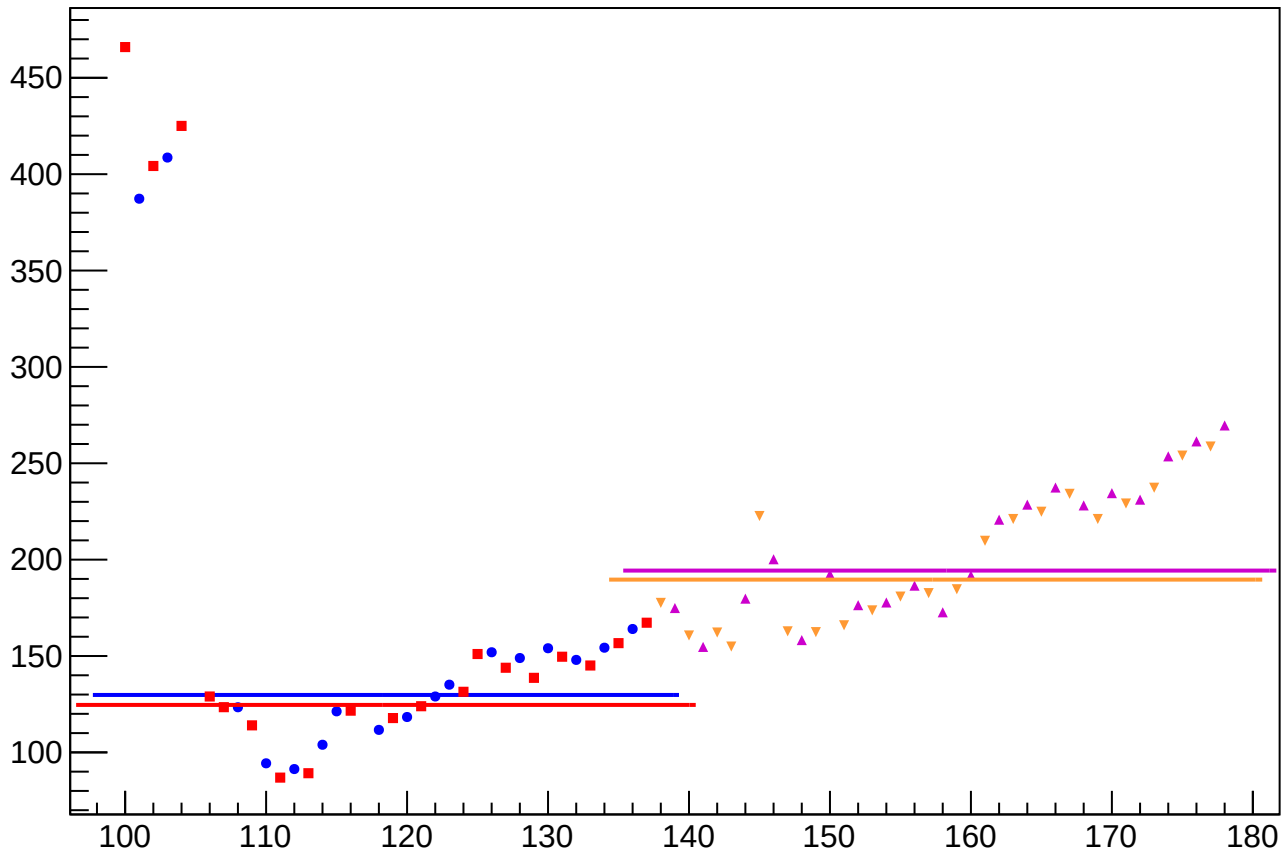
yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16
 Left Out: 128862.618 $\pm$ 0.049 χ^2 /NDF: 194092157.6/20
 Right Out: 127930.136 $\pm$ 0.050 χ^2 /NDF: 3768176193.0/18
 Left In: 128798.449 $\pm$ 0.050 χ^2 /NDF: 204829166.0/19

+ sign 128481.178 $\pm$ 0.036 χ^2 /NDF: 4652211708.3
 All: 128421.986 $\pm$ 0.025 χ^2 /NDF: 877909919
 - sign 128364.516 $\pm$ 0.036 χ^2 /NDF: 4121601994.2

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 ± 0.038 χ^2/NDF : 1485294.2/16

Left Out: 189.639 ± 0.034 χ^2/NDF : 804612.5/20

Right Out: 124.625 ± 0.036 χ^2/NDF : 1531827.4/18

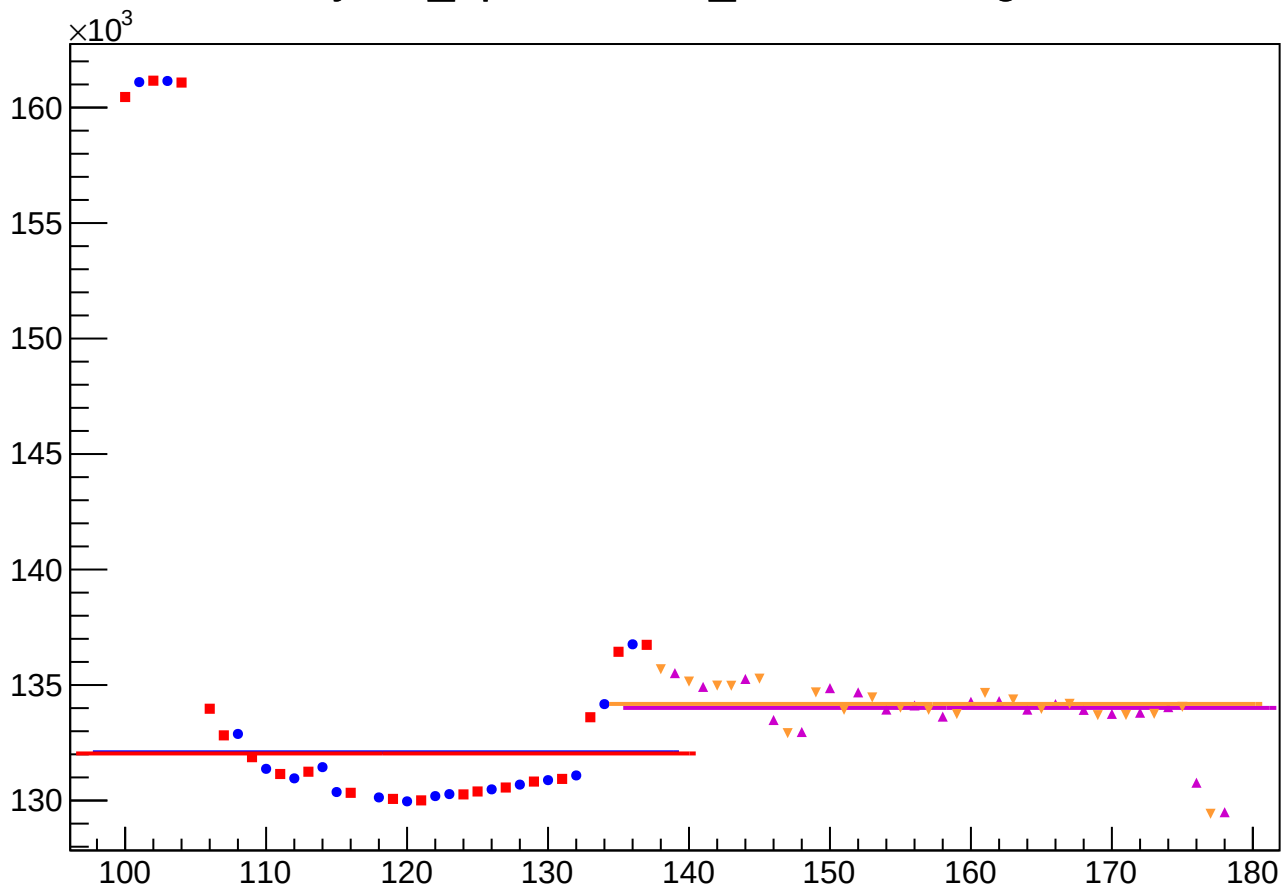
Left In: 194.326 ± 0.036 χ^2/NDF : 783319.4/19

+ sign 162.950 ± 0.026 χ^2/NDF : 3644474.0/37

All: 161.196 ± 0.018 χ^2/NDF : 7883906.1/76

- sign 159.493 ± 0.025 χ^2/NDF : 4230153.9/38

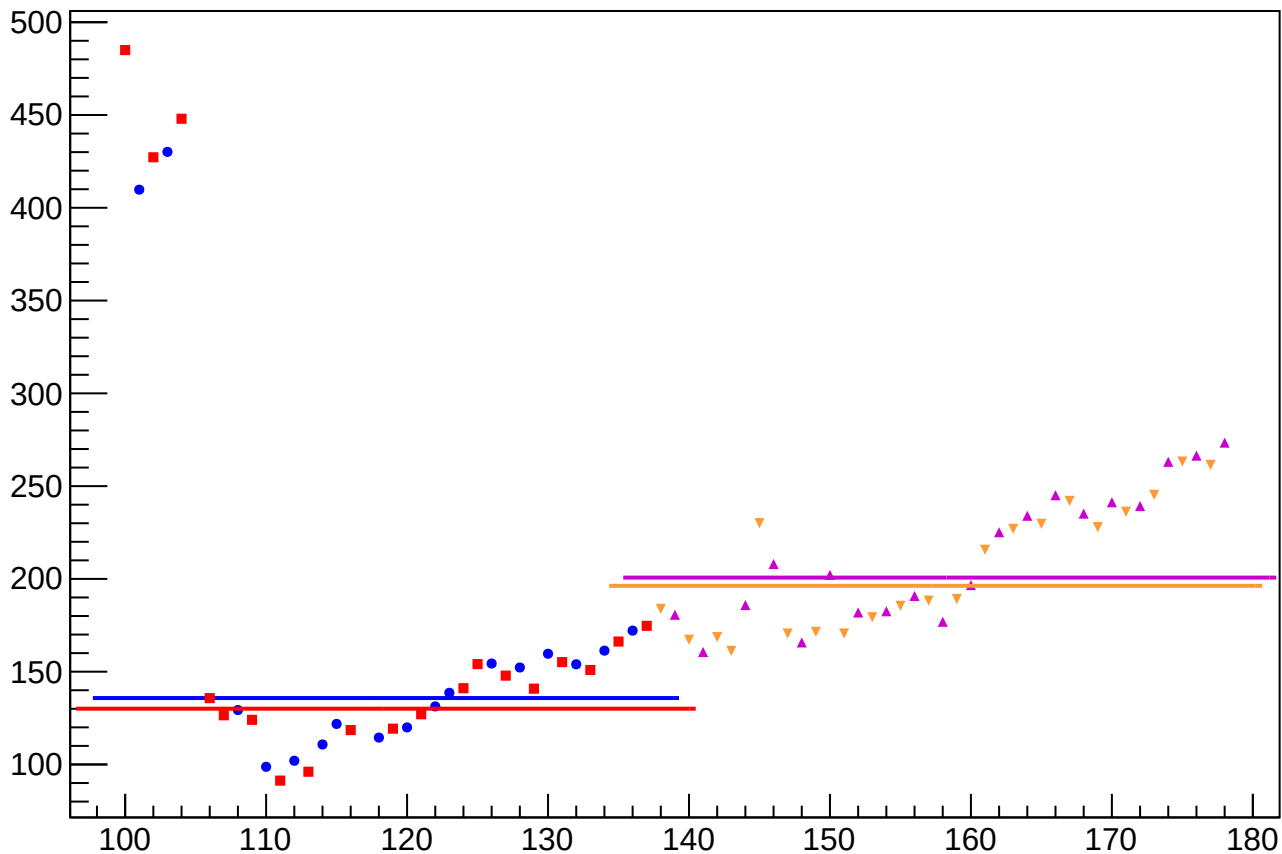
yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16
 Left Out: 134181.797 $\pm$ 0.050 χ^2 /NDF: 446142081.6/20
 Right Out: 132037.539 $\pm$ 0.053 χ^2 /NDF: 5882115872.9/18
 Left In: 134009.357 $\pm$ 0.052 χ^2 /NDF: 505154119.1/19

+ sign 133257.337 $\pm$ 0.038 χ^2 /NDF: 7946889310.6
 All: 133143.732 $\pm$ 0.026 χ^2 /NDF: 150640422
 - sign 133033.721 $\pm$ 0.037 χ^2 /NDF: 7099134818.0

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 196.282 $\pm$ 0.036 χ^2 /NDF: 757592.5/20

Right Out: 130.070 $\pm$ 0.037 χ^2 /NDF: 1503997.6/18

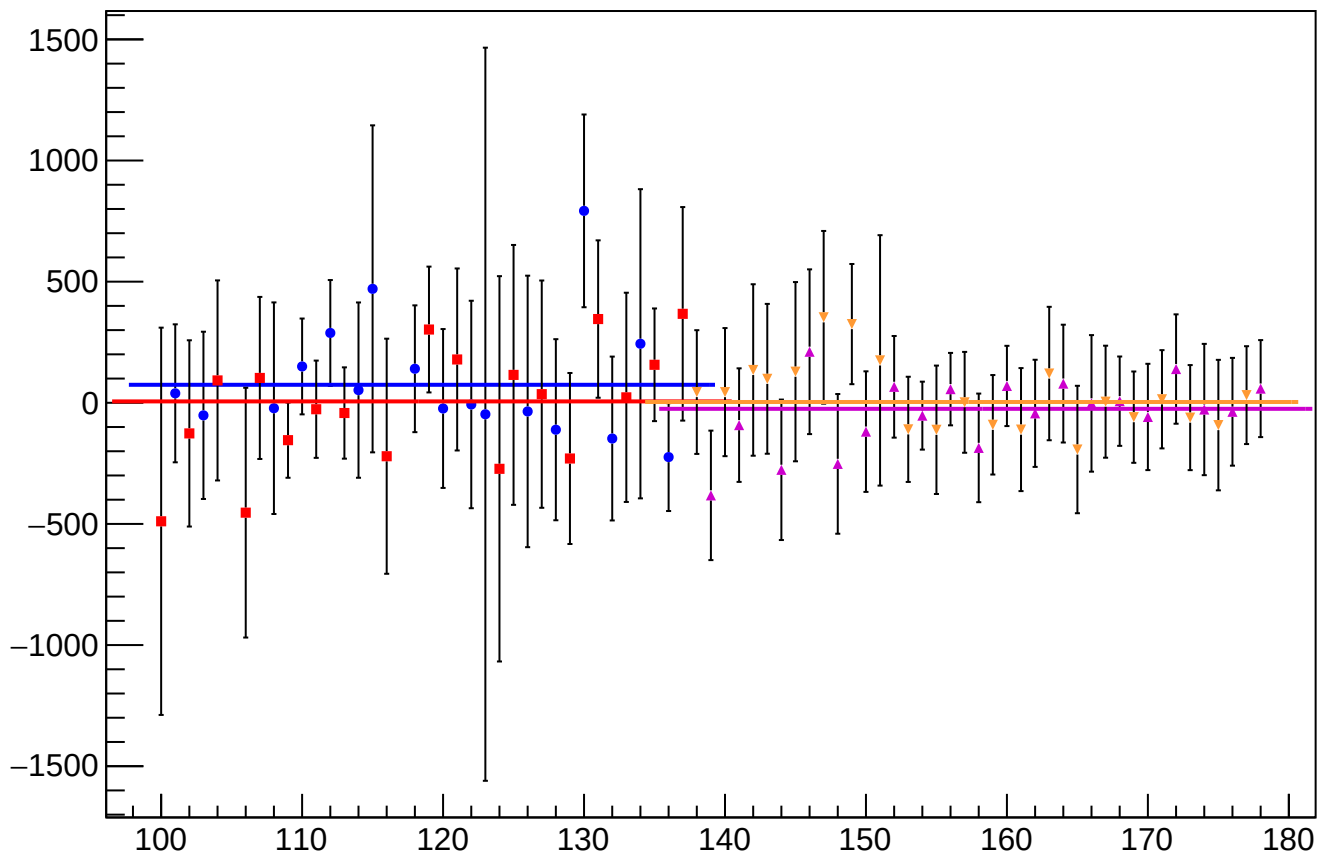
Left In: 200.710 $\pm$ 0.037 χ^2 /NDF: 749576.8/19

+ sign 169.592 $\pm$ 0.027 χ^2 /NDF: 3479054.6/37

All: 167.644 $\pm$ 0.019 χ^2 /NDF: 7570501.9/76

- sign 165.758 $\pm$ 0.026 χ^2 /NDF: 4080855.3/38

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 3.301+/-54.280 χ^2/NDF : 5.1/20

Right Out: 5.739+/-70.069 χ^2/NDF : 7.1/18

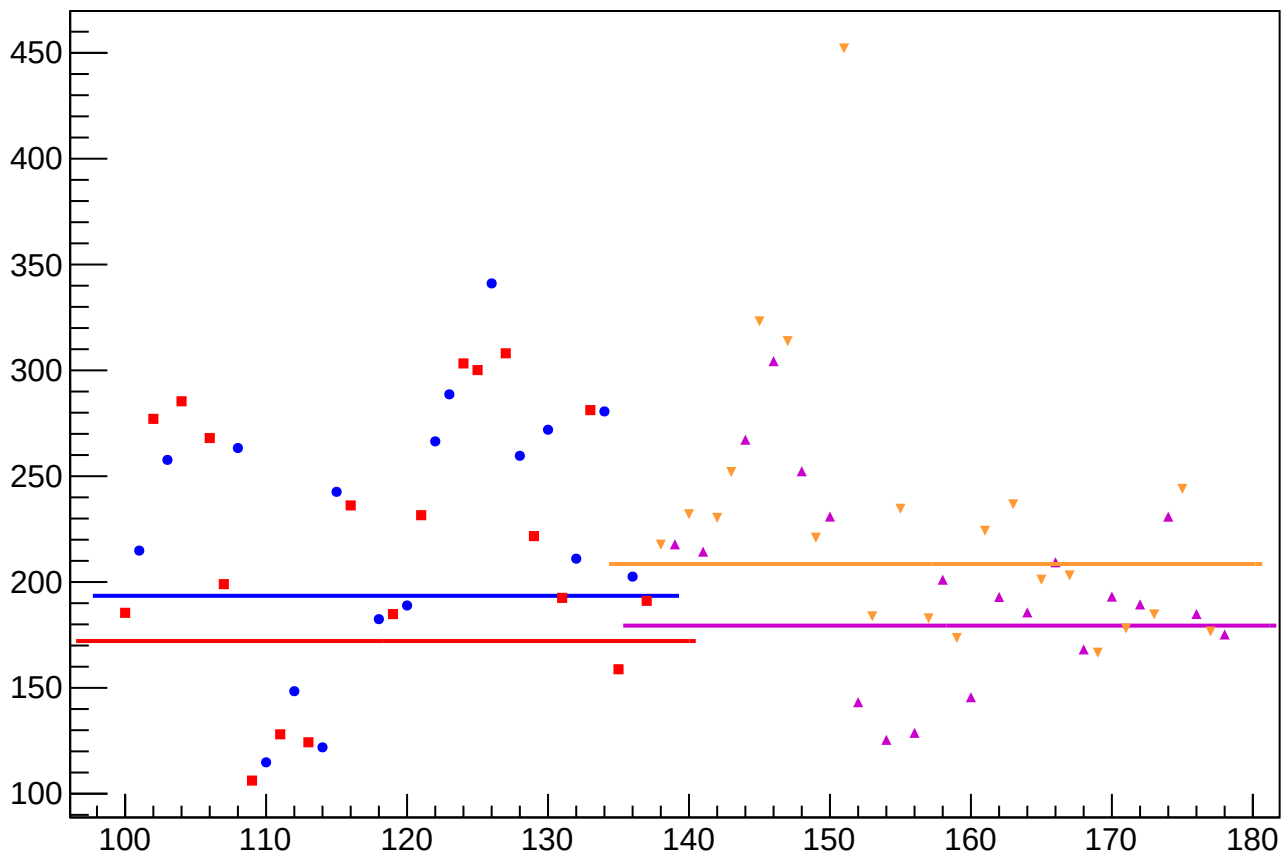
Left In: -24.930+/-47.993 χ^2/NDF : 6.2/19

+ sign 26.061+/-44.741 χ^2/NDF : 13.3/37

All: 2.958+/-29.651 χ^2/NDF : 27.3/76

- sign -15.136+/-39.595 χ^2/NDF : 13.4/38

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 ± 0.056 χ^2/NDF : 1017195.7/16

Left Out: 208.514 ± 0.038 χ^2/NDF : 1298831.6/20

Right Out: 172.122 ± 0.050 χ^2/NDF : 1579840.2/18

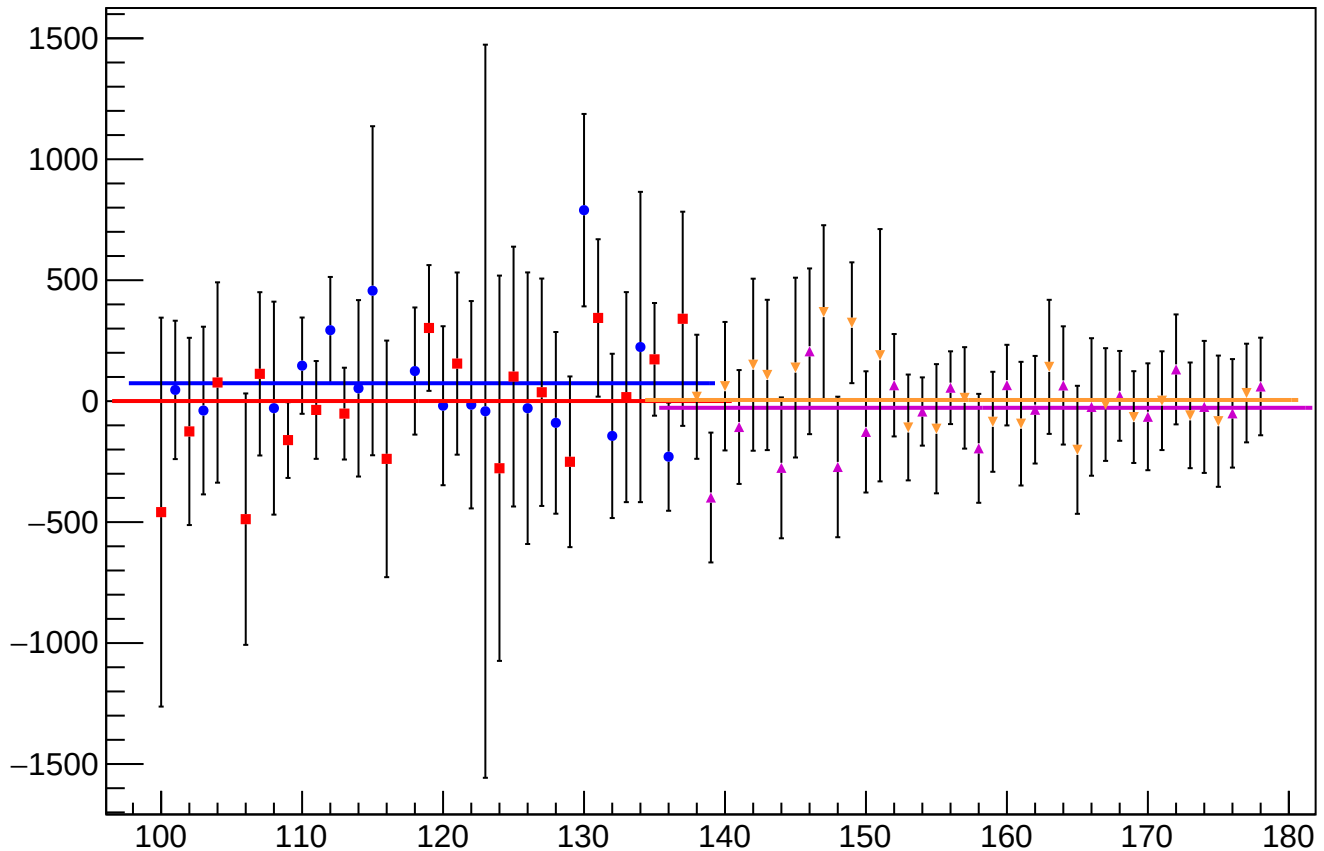
Left In: 179.405 ± 0.034 χ^2/NDF : 1565134.2/19

+ sign 203.697 ± 0.032 χ^2/NDF : 2365161.1/37

All: 188.770 ± 0.021 χ^2/NDF : 5921789.6/76

- sign 177.080 ± 0.028 χ^2/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: 4.869 $\pm$ 54.651 χ^2 /NDF: 5.3/20

Right Out: 0.503 $\pm$ 70.437 χ^2 /NDF: 7.3/18

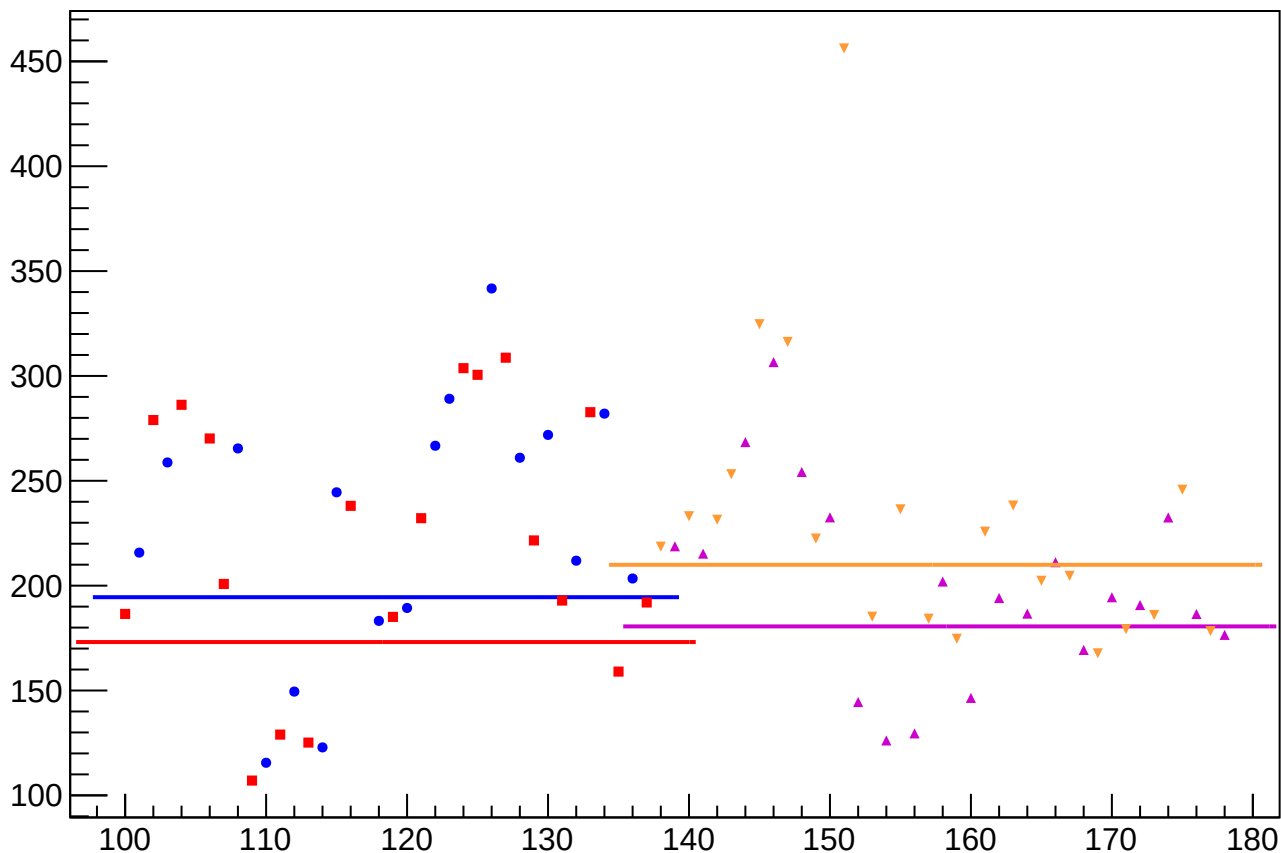
Left In: -27.471 $\pm$ 48.305 χ^2 /NDF: 6.4/19

+ sign 27.122 $\pm$ 45.019 χ^2 /NDF: 13.3/37

All: 1.523 $\pm$ 29.834 χ^2 /NDF: 27.7/76

- sign -18.523 $\pm$ 39.837 χ^2 /NDF: 13.8/38

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 209.944 $\pm$ 0.039 χ^2 /NDF:1295717.9/20

Right Out: 173.111 $\pm$ 0.050 χ^2 /NDF: 1567374.3/18

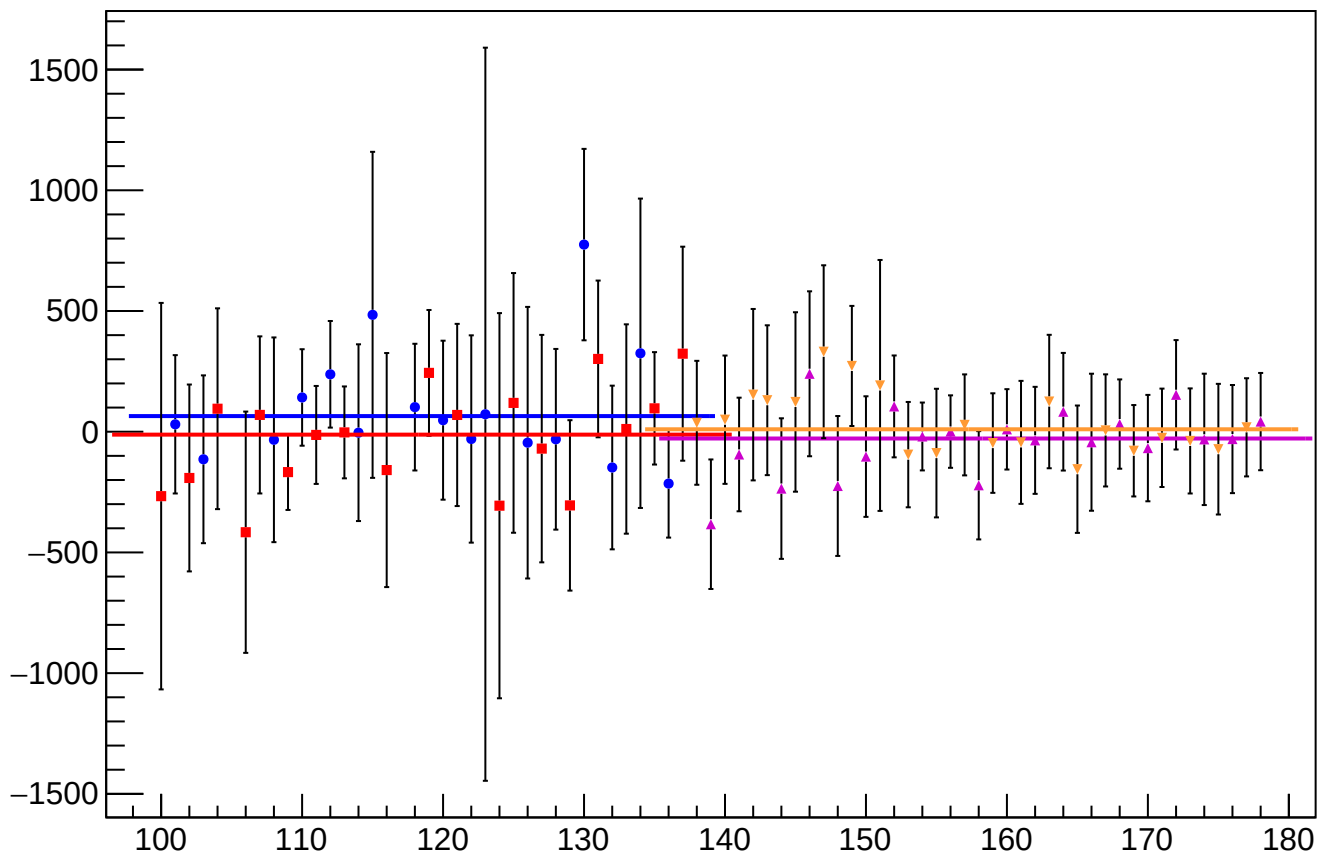
Left In: 180.567 $\pm$ 0.034 χ^2 /NDF:1564511.9/19

+ sign 204.978 $\pm$ 0.032 χ^2 /NDF: 2355595.8/37

All: 189.950 $\pm$ 0.021 χ^2 /NDF: 5900131.8/76

- sign 178.182 $\pm$ 0.028 χ^2 /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: 10.069 ± 54.520 χ^2/NDF : 3.9/20

Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

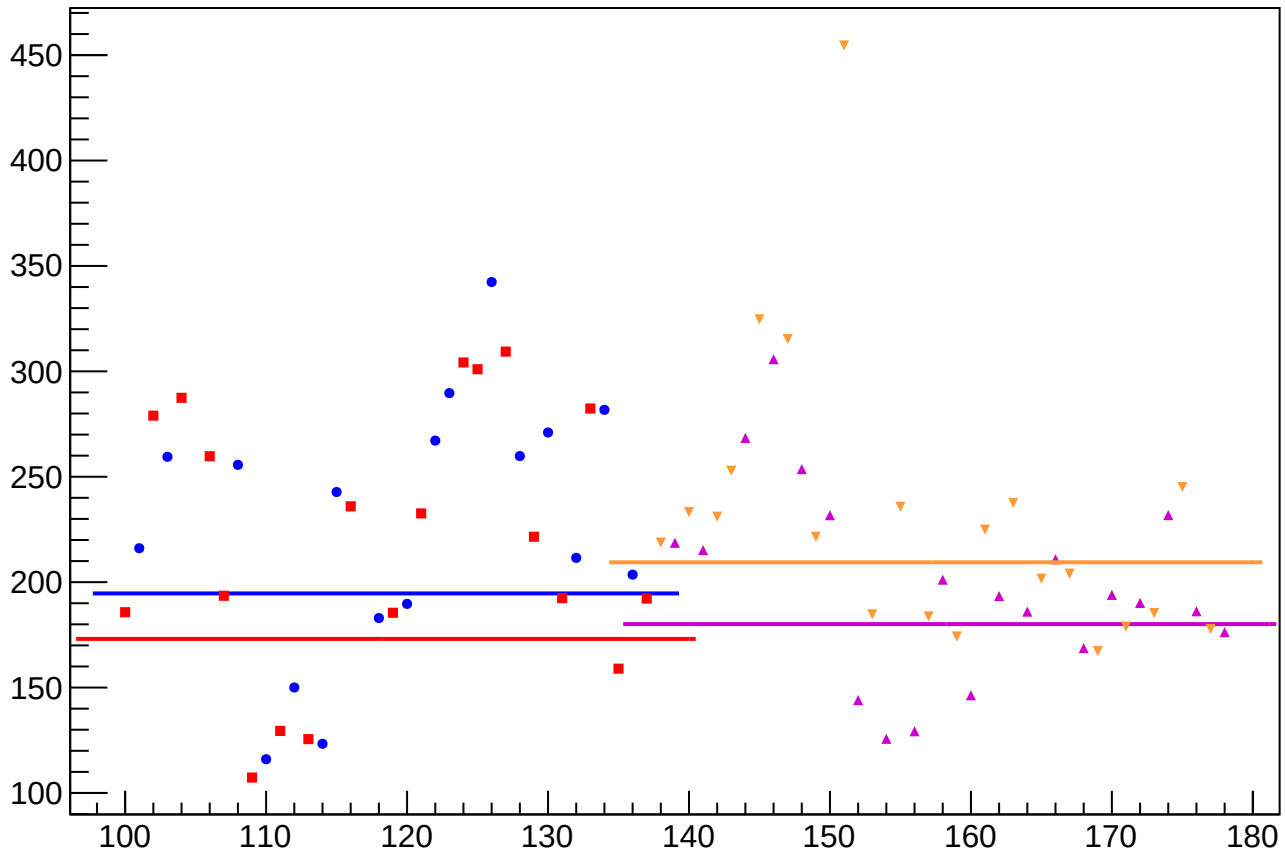
Left In: -28.138 ± 48.183 χ^2/NDF : 5.8/19

+ sign 27.584 ± 44.944 χ^2/NDF : 11.3/37

All: -0.804 ± 29.778 χ^2/NDF : 23.7/76

- sign -23.016 ± 39.755 χ^2/NDF : 11.7/38

asym_bcm_an_us_rms vs Slug



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 209.430 $\pm$ 0.039 χ^2 /NDF: 1298254.7/20

Right Out: 173.089 $\pm$ 0.050 χ^2 /NDF: 1544540.9/18

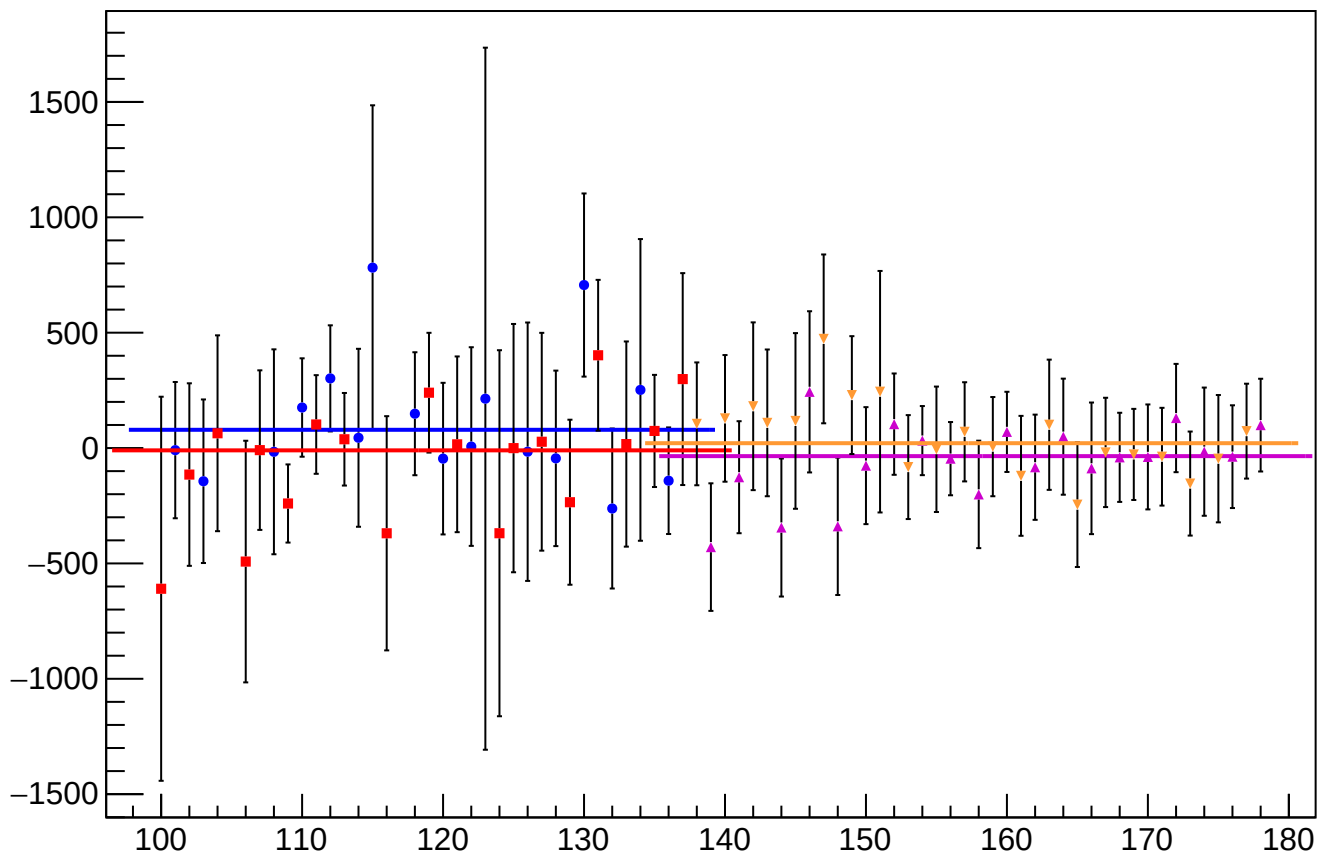
Left In: 180.105 $\pm$ 0.034 χ^2 /NDF: 1567933.0/19

+ sign 204.695 $\pm$ 0.032 χ^2 /NDF: 2332141.0/37

All: 189.643 $\pm$ 0.021 χ^2 /NDF: 5858008.3/76

- sign 177.865 $\pm$ 0.028 χ^2 /NDF: 3126013.6/38

asym_bcm_dg_us_mean vs Slug



Right In: 79.128 $\pm$ 81.874 χ^2 /NDF: 7.5/16

Left Out: 21.061 $\pm$ 56.077 χ^2 /NDF: 5.5/20

Right Out: -9.982 $\pm$ 73.310 χ^2 /NDF: 7.9/18

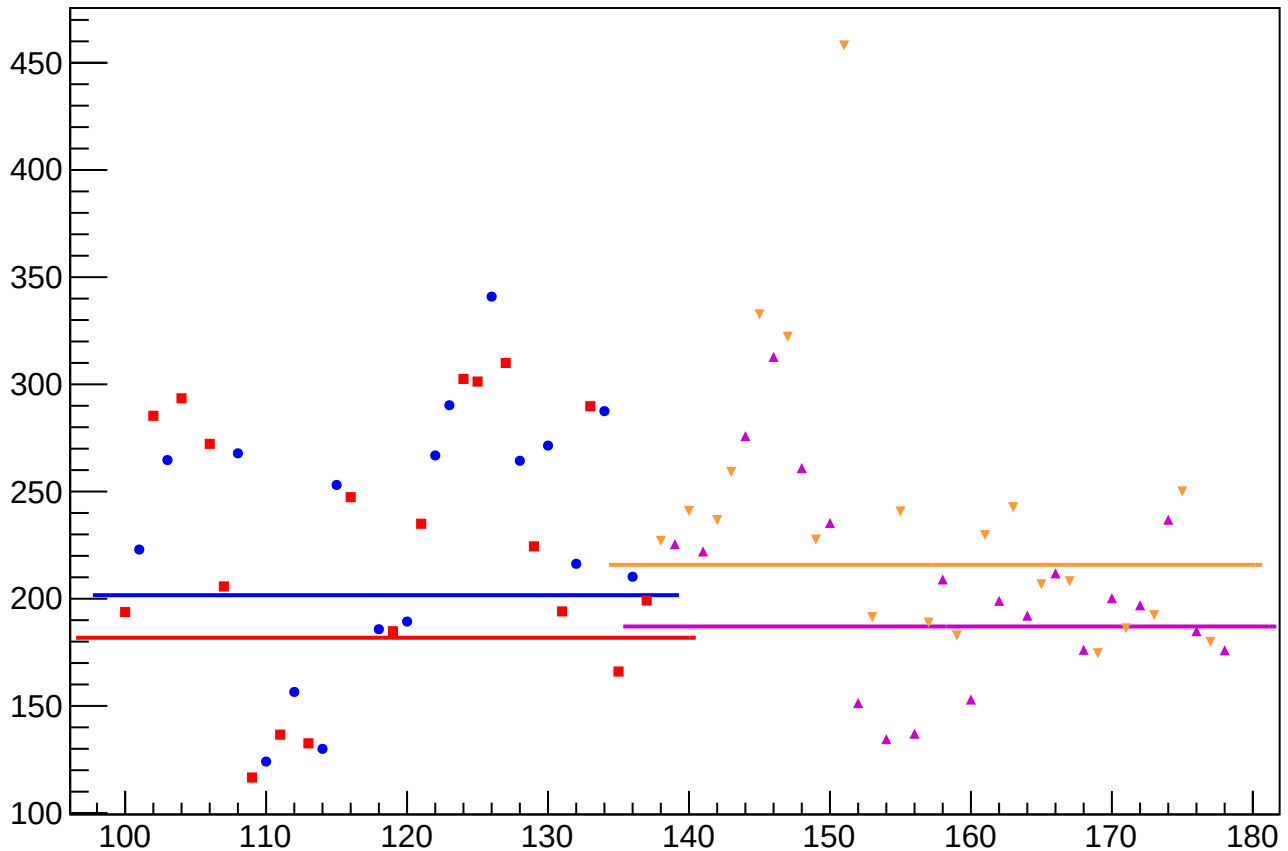
Left In: -35.027 $\pm$ 49.851 χ^2 /NDF: 7.6/19

+ sign 39.603 $\pm$ 46.266 χ^2 /NDF: 13.3/37

All: 2.415 $\pm$ 30.778 χ^2 /NDF: 30.0/76

- sign -27.108 $\pm$ 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: 215.822 $\pm$ 0.040 χ^2 /NDF:1241165.7/20

Right Out: 181.797 $\pm$ 0.052 χ^2 /NDF: 1377449.9/18

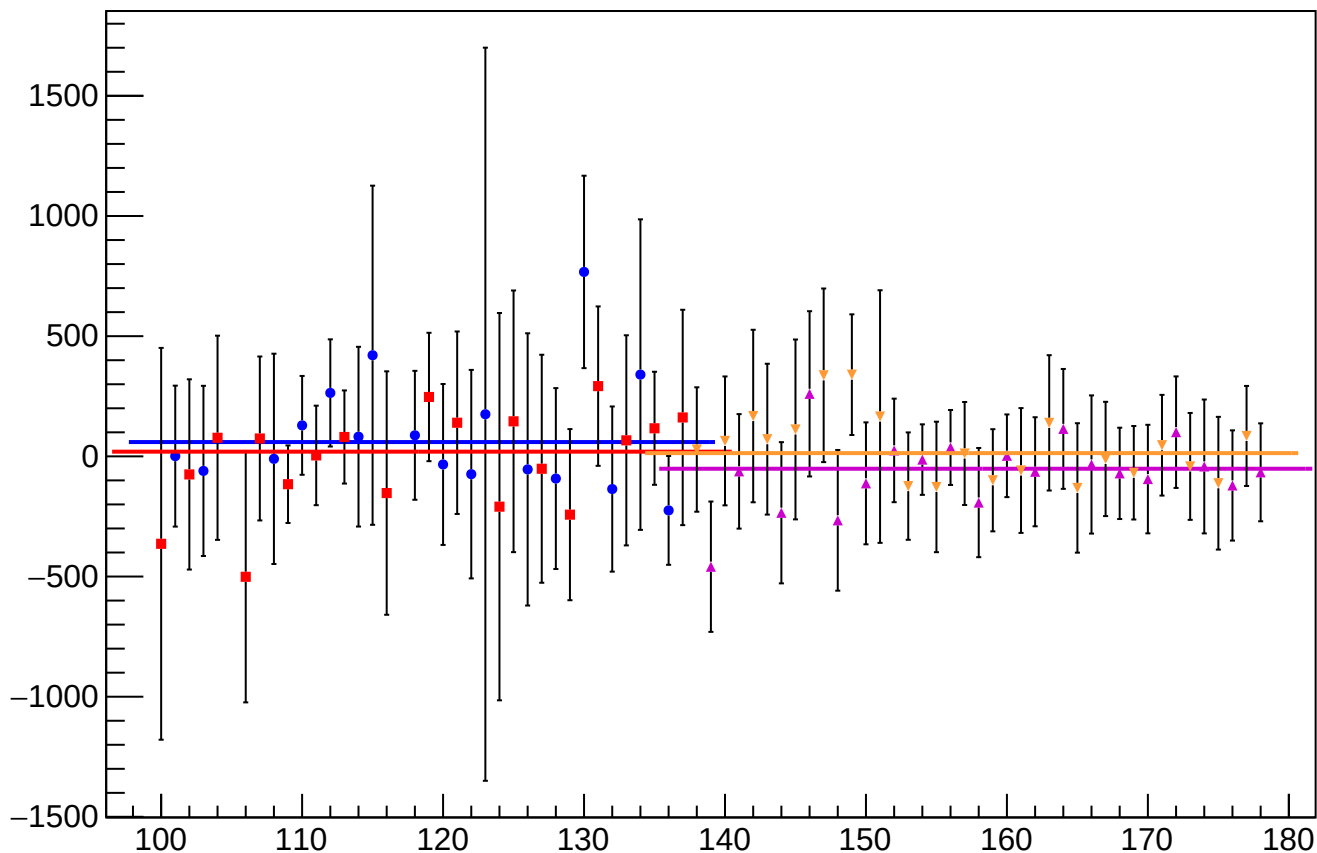
Left In: 187.045 $\pm$ 0.035 χ^2 /NDF:1412947.0/19

+ sign 211.298 $\pm$ 0.033 χ^2 /NDF: 2165110.8/37

All: 196.853 $\pm$ 0.022 χ^2 /NDF: 5312241.7/76

- 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: 13.511 $\pm$ 55.624 χ^2 /NDF: 5.0/20

Right Out: 19.541 $\pm$ 71.866 χ^2 /NDF: 4.7/18

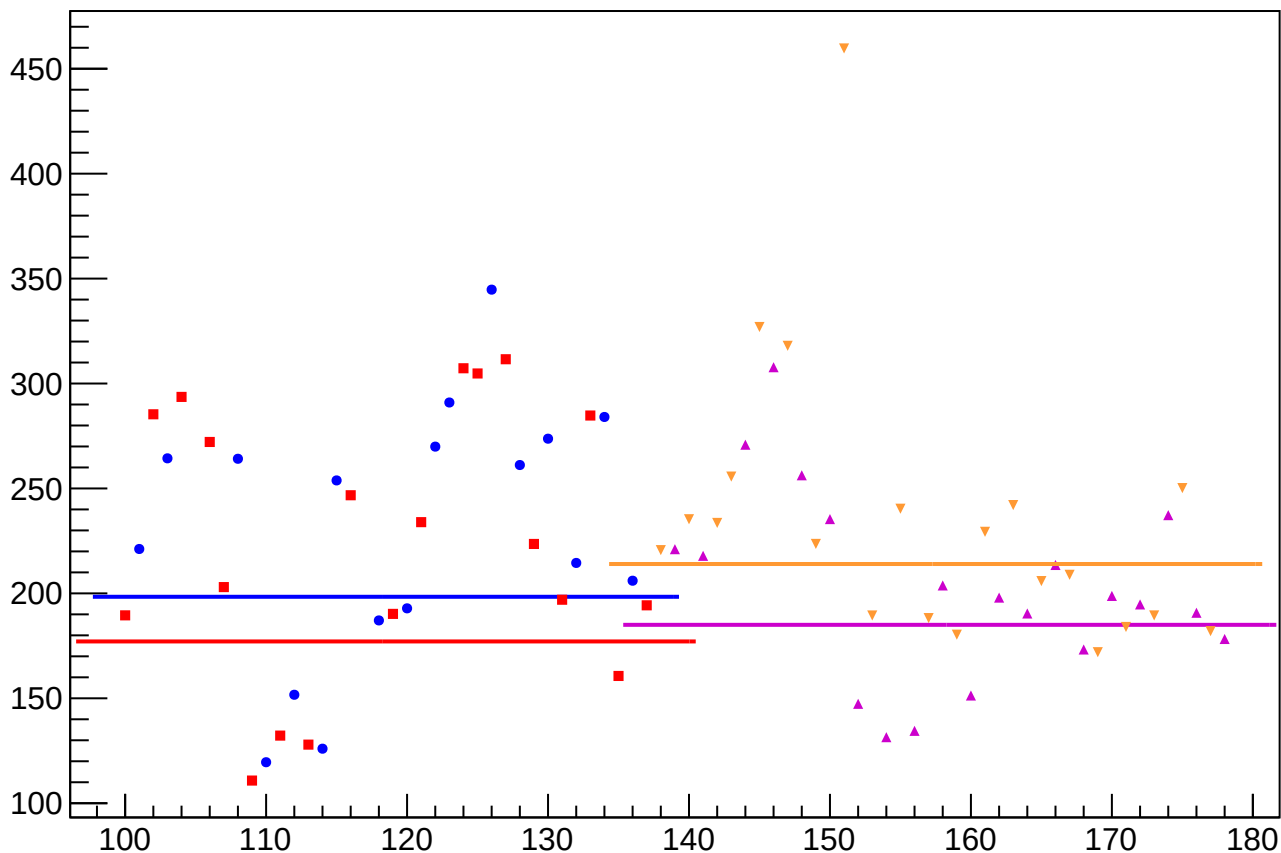
Left In: -51.518 $\pm$ 49.367 χ^2 /NDF: 6.1/19

+ sign 28.295 $\pm$ 45.818 χ^2 /NDF: 12.2/37

All: -3.589 $\pm$ 30.425 χ^2 /NDF: 24.6/76

- sign -28.737 $\pm$ 40.691 χ^2 /NDF: 11.5/38

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 213.994 $\pm$ 0.039 χ^2 /NDF:1235175.3/20

Right Out: 177.096 $\pm$ 0.051 χ^2 /NDF: 1524763.6/18

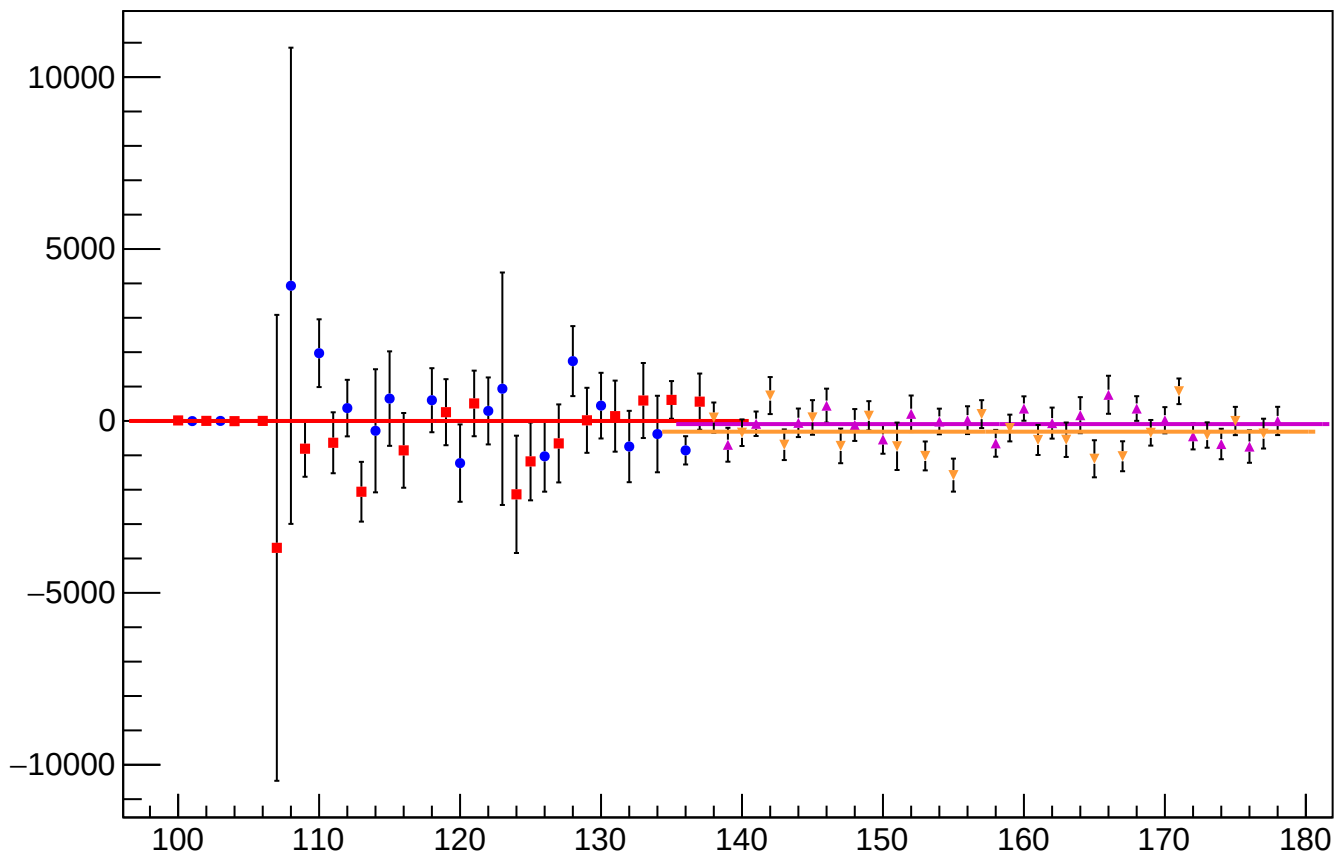
Left In: 185.011 $\pm$ 0.035 χ^2 /NDF:1443886.3/19

+ sign 208.974 $\pm$ 0.032 χ^2 /NDF: 2249522.2/37

All: 194.159 $\pm$ 0.022 χ^2 /NDF: 5608677.3/76

- sign 182.474 $\pm$ 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: -312.349 ± 95.588 χ^2/NDF : 35.7/20

Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

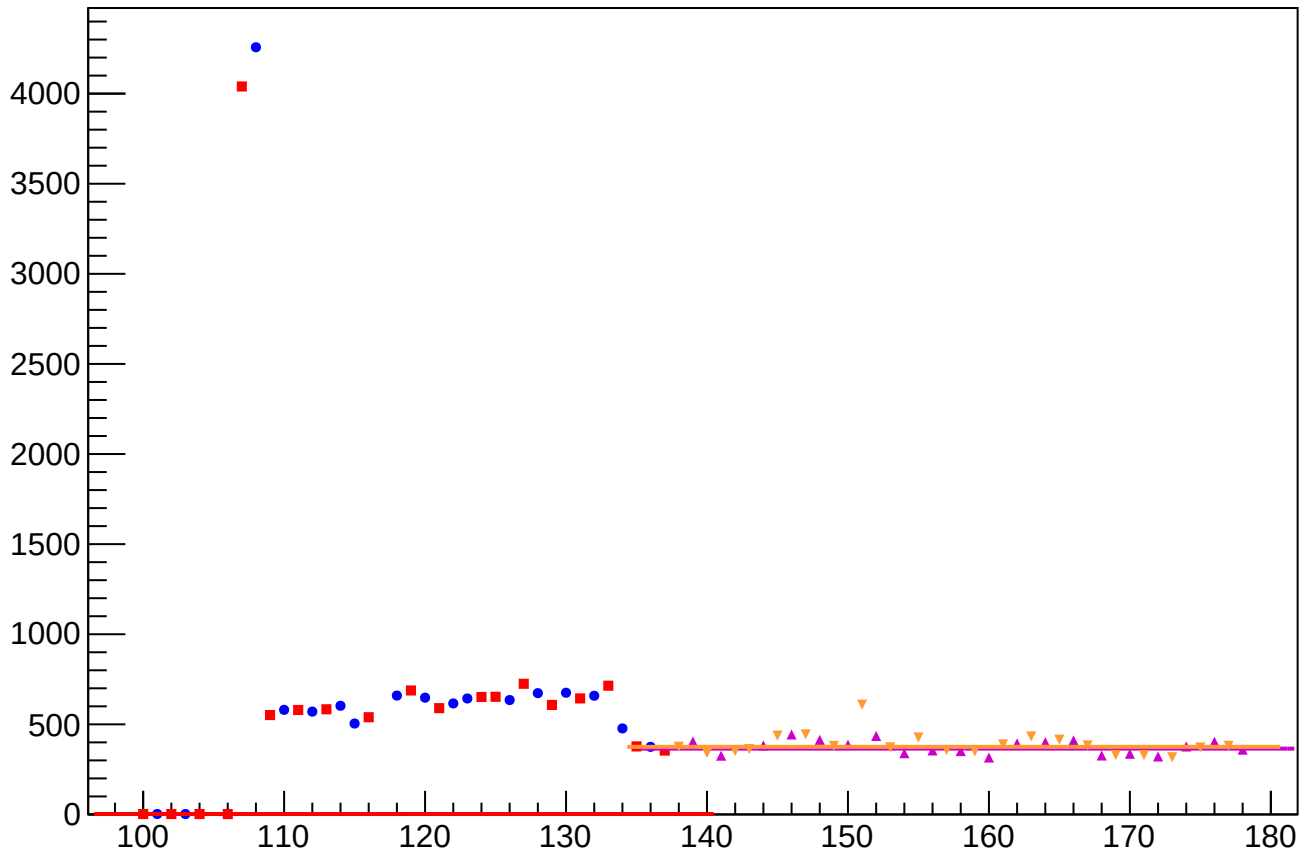
Left In: -91.550 ± 94.301 χ^2/NDF : 16.8/19

+ sign -1.702 ± 2.251 χ^2/NDF : 63.2/37

All: -1.207 ± 1.540 χ^2/NDF : 100.3/76

- 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: 375.308+/-0.068 χ^2/NDF : 505683.6/20

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

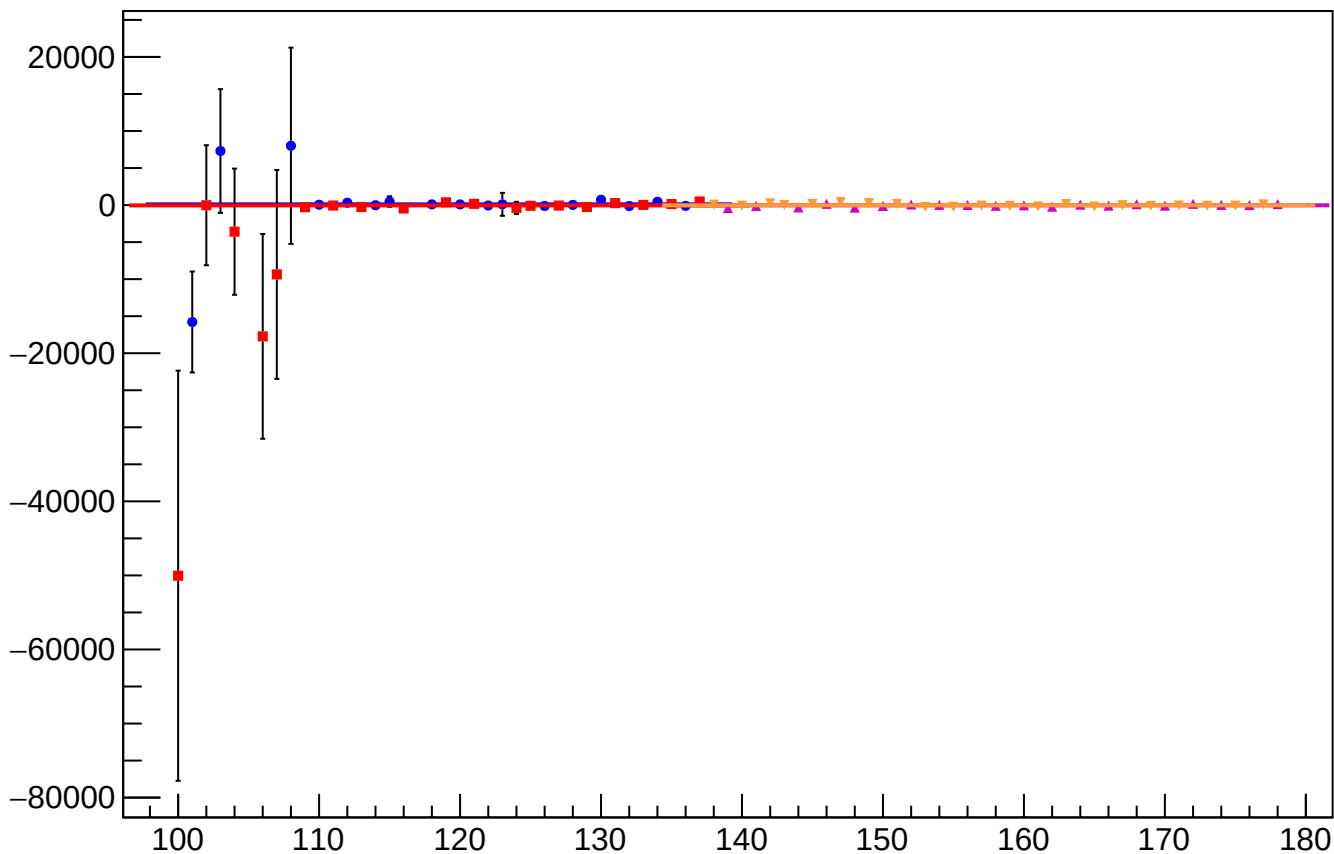
Left In: 365.283+/-0.067 χ^2/NDF : 311527.4/19

+ sign 2.663+/-0.002 χ^2/NDF : 41765800.3/37

All: 2.639+/-0.001 χ^2/NDF : 82820445.4/76

- 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: -29.124+/-57.173 χ^2/NDF : 6.6/20

Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

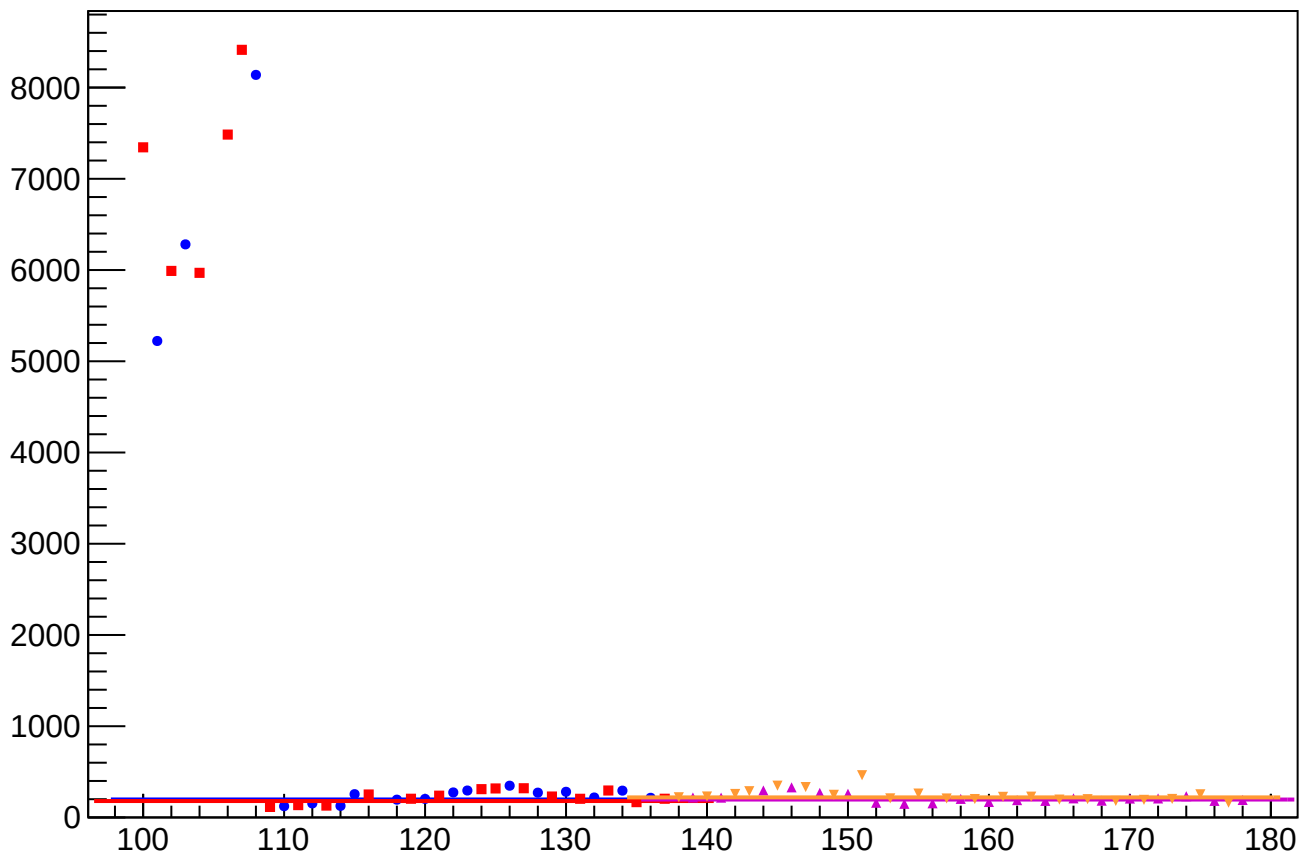
Left In: -29.350+/-52.019 χ^2/NDF : 7.5/19

+ sign 7.116+/-48.390 χ^2/NDF : 19.8/37

All: -14.661+/-32.674 χ^2/NDF : 41.6/76

- sign -32.910+/-44.297 χ^2/NDF : 21.4/38

asym_cav4cQ_rms vs Slug



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 219.782+/-0.040 χ^2/NDF :1363283.4/20

Right Out: 179.949+/-0.060 χ^2/NDF : 4321173.8/18

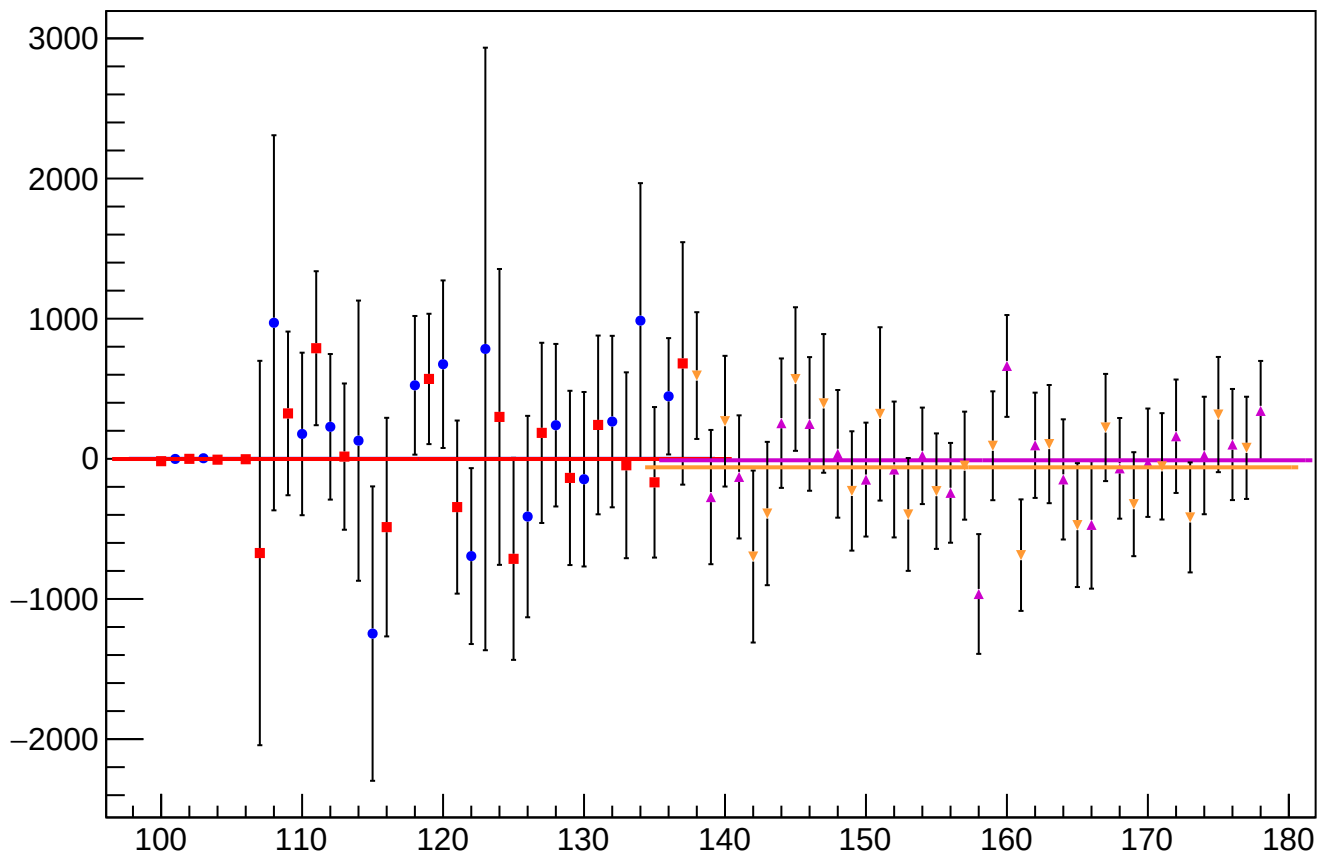
Left In: 196.322+/-0.037 χ^2/NDF :1124909.0/19

+ sign 213.344+/-0.034 χ^2/NDF : 5146295.6/37

All: 201.635+/-0.023 χ^2/NDF : 10862079.4/76

- sign 191.822+/-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: -60.555 ± 93.068 χ^2/NDF : 14.4/20

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

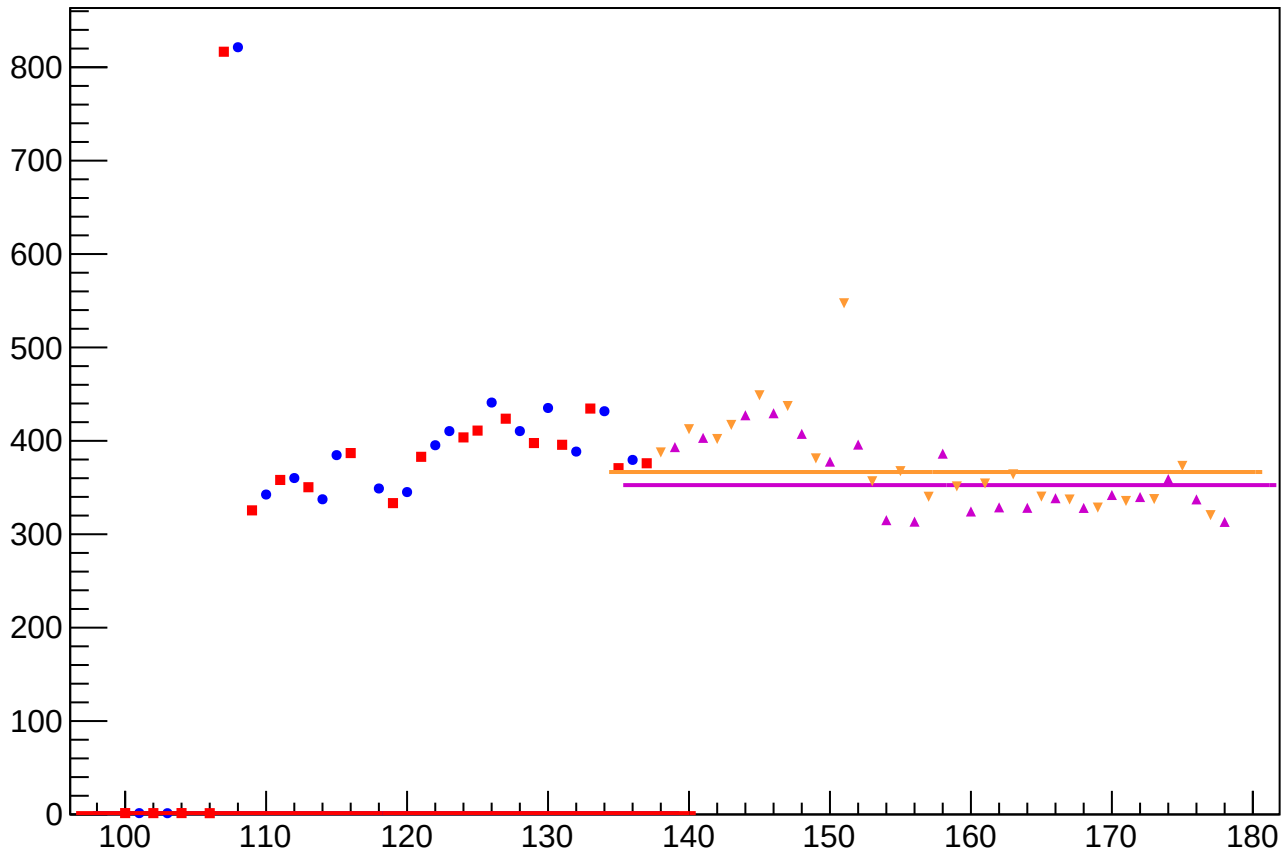
Left In: -10.408 ± 90.927 χ^2/NDF : 12.5/19

+ sign -0.159 ± 1.736 χ^2/NDF : 24.5/37

All: -0.782 ± 1.185 χ^2/NDF : 46.9/76

- sign -1.326 ± 1.622 χ^2/NDF : 22.1/38

asym_cav4dQ_rms vs Slug



Right In: 1.453 $\pm$ 0.001 χ^2 /NDF: 10957986.8/16

Left Out: 366.637 $\pm$ 0.066 χ^2 /NDF:427569.6/20

Right Out: 1.451 $\pm$ 0.001 χ^2 /NDF: 10880737.7/18

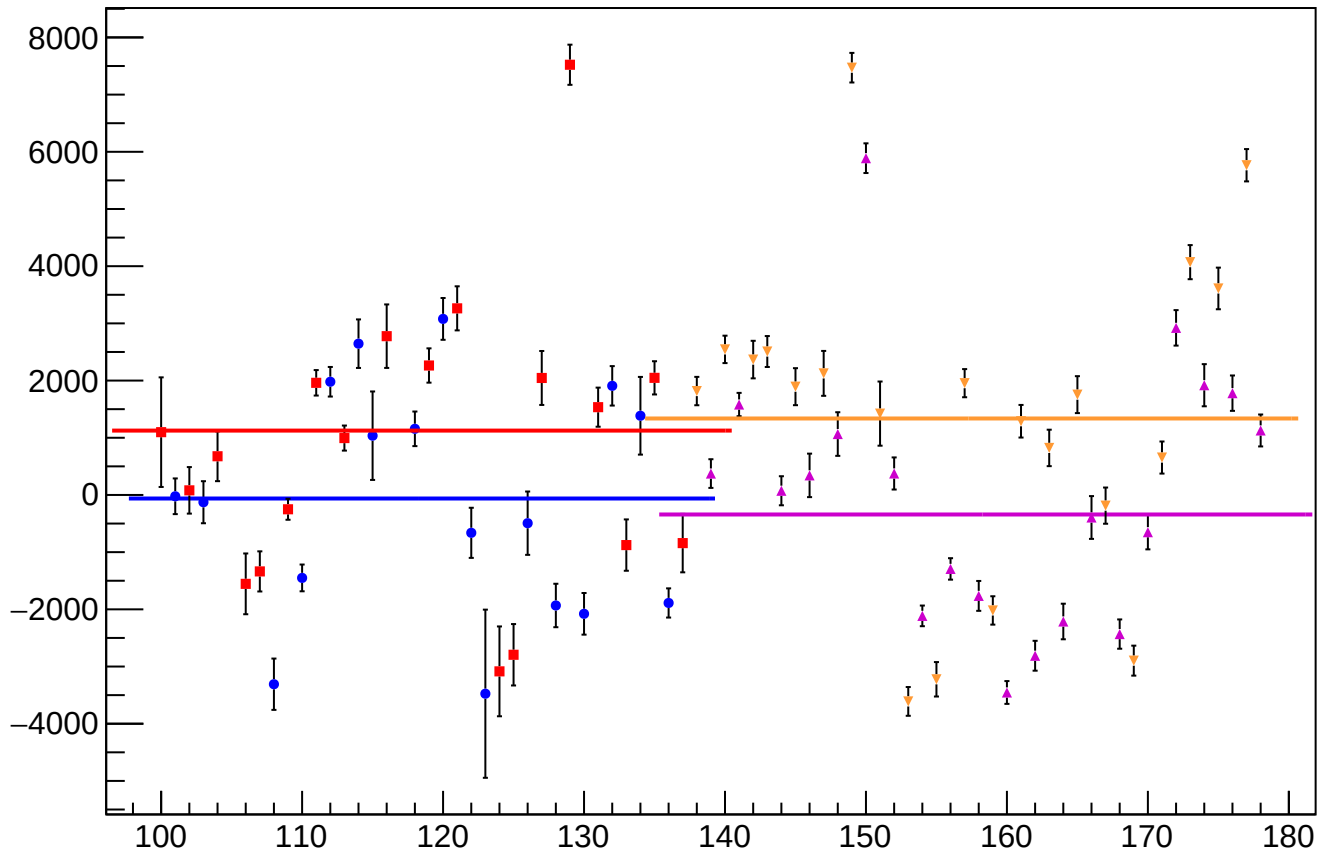
Left In: 352.611 $\pm$ 0.064 χ^2 /NDF:327520.5/19

+ sign 1.580 $\pm$ 0.001 χ^2 /NDF: 42167731.2/37

All: 1.571 $\pm$ 0.001 χ^2 /NDF: 83197006.8/76

- sign 1.563 $\pm$ 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: 1337.129 ± 63.158 χ^2/NDF : 2095.4/20

Right Out: 1125.437 ± 78.370 χ^2/NDF : 671.2/18

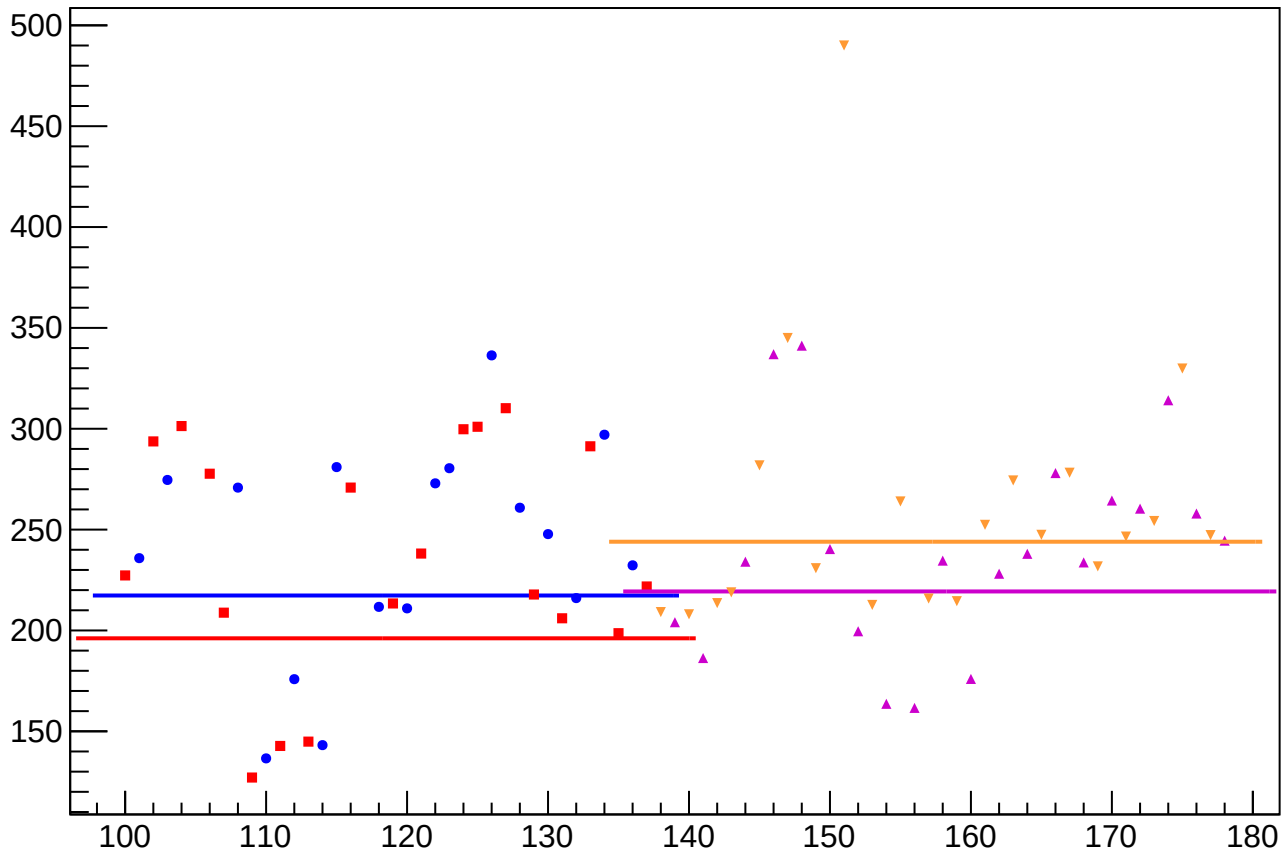
Left In: -341.450 ± 58.194 χ^2/NDF : 1511.6/19

+ sign 857.267 ± 51.196 χ^2/NDF : 2697.7/37

All: 487.707 ± 34.511 χ^2/NDF : 5201.8/76

- 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: 243.993 $\pm$ 0.045 χ^2 /NDF: 925015.7/20

Right Out: 196.105 $\pm$ 0.055 χ^2 /NDF: 1190733.6/18

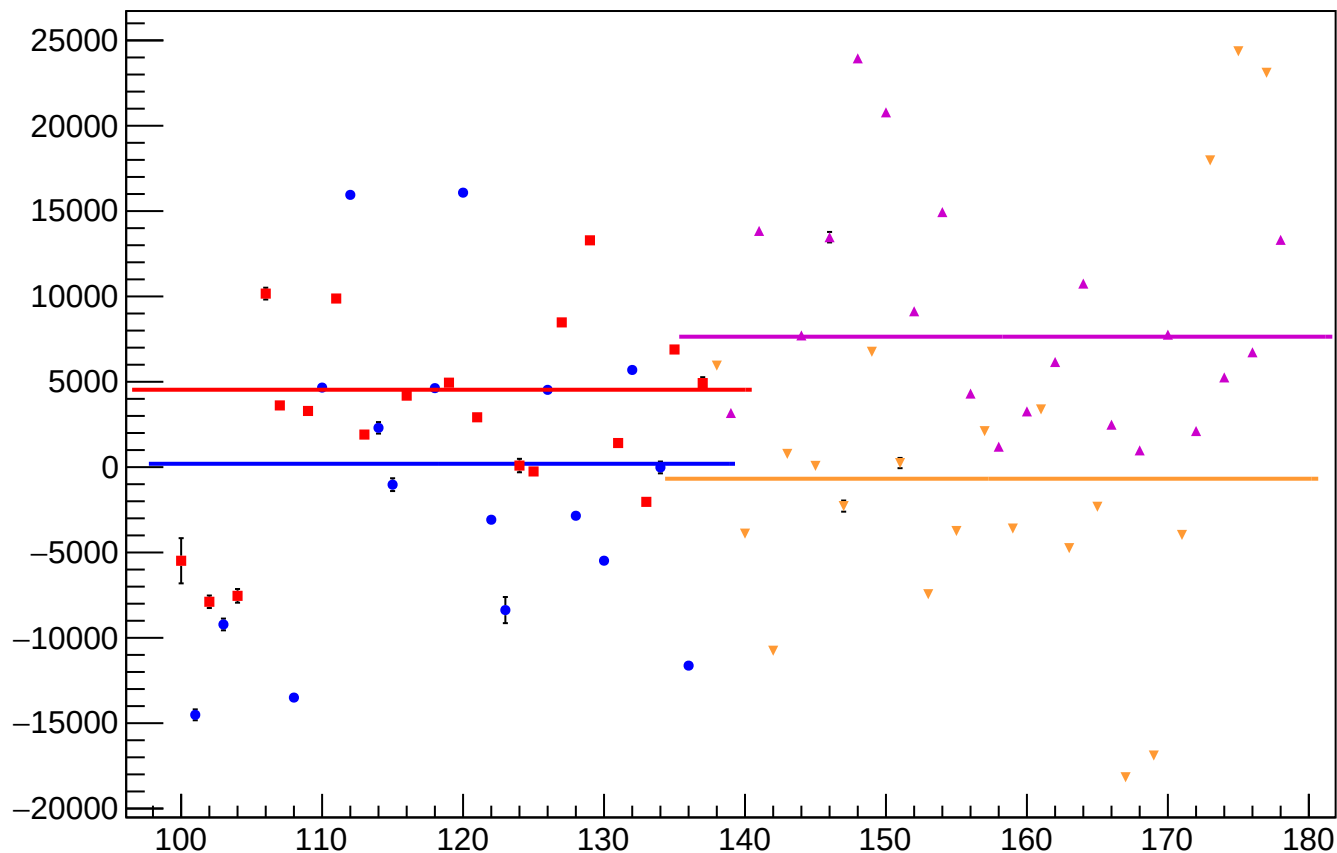
Left In: 219.339 $\pm$ 0.041 χ^2 /NDF: 1291479.6/19

+ sign 234.849 $\pm$ 0.036 χ^2 /NDF: 1699972.1/37

All: 221.881 $\pm$ 0.024 χ^2 /NDF: 4530680.3/76

- sign 211.081 $\pm$ 0.033 χ^2 /NDF: 2595514.8/38

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 +/- 54.799 χ^2/NDF : 30658.3/16

Left Out: -679.019 +/- 44.315 χ^2/NDF : 52869.3/20

Right Out: 4534.200 +/- 52.462 χ^2/NDF : 7477.2/18

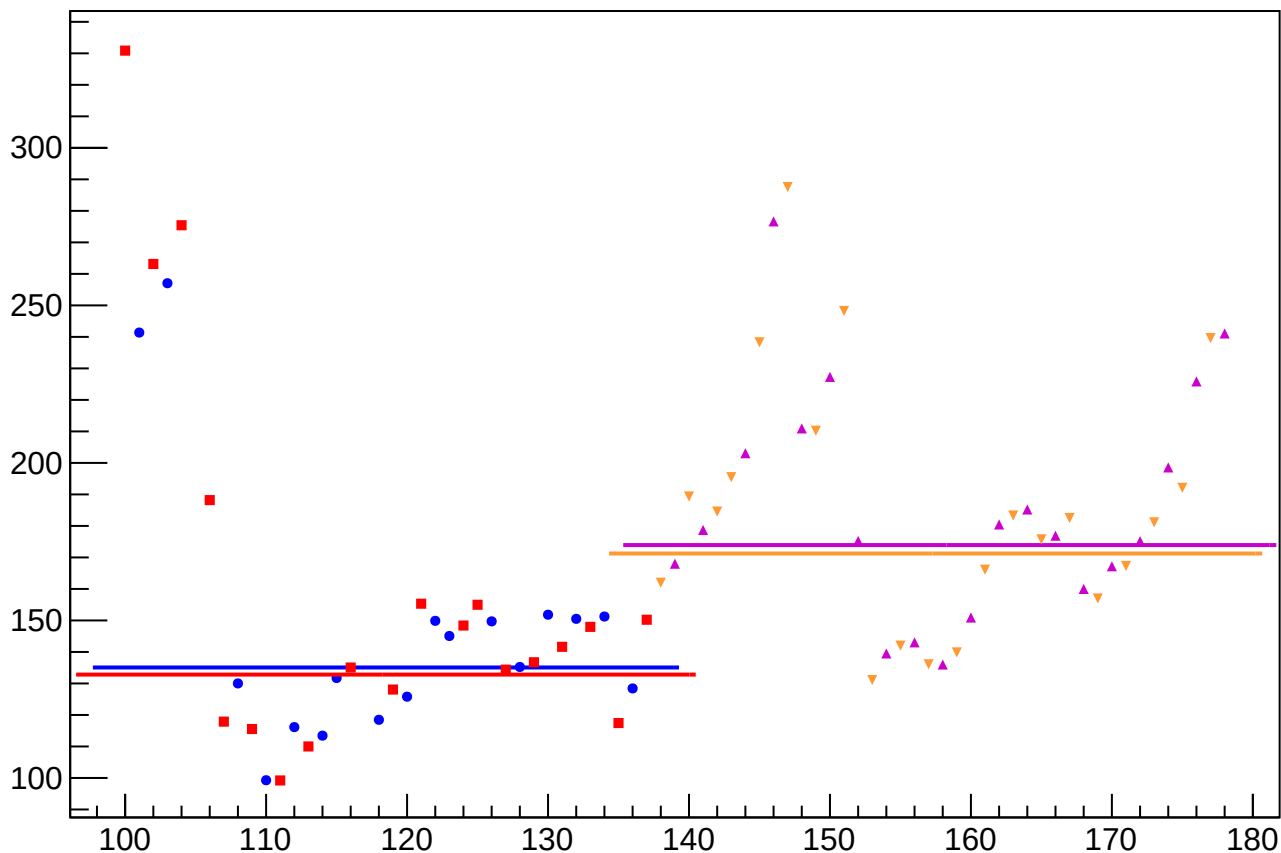
Left In: 7641.492 +/- 45.723 χ^2/NDF : 17736.2/19

+ sign -332.642 +/- 34.458 χ^2/NDF : 83682.1/37

All: 2982.635 +/- 24.369 χ^2/NDF : 129409.4/76

- sign 6300.104 +/- 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: 171.246 $\pm$ 0.031 χ^2 /NDF: 1181064.4/20

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

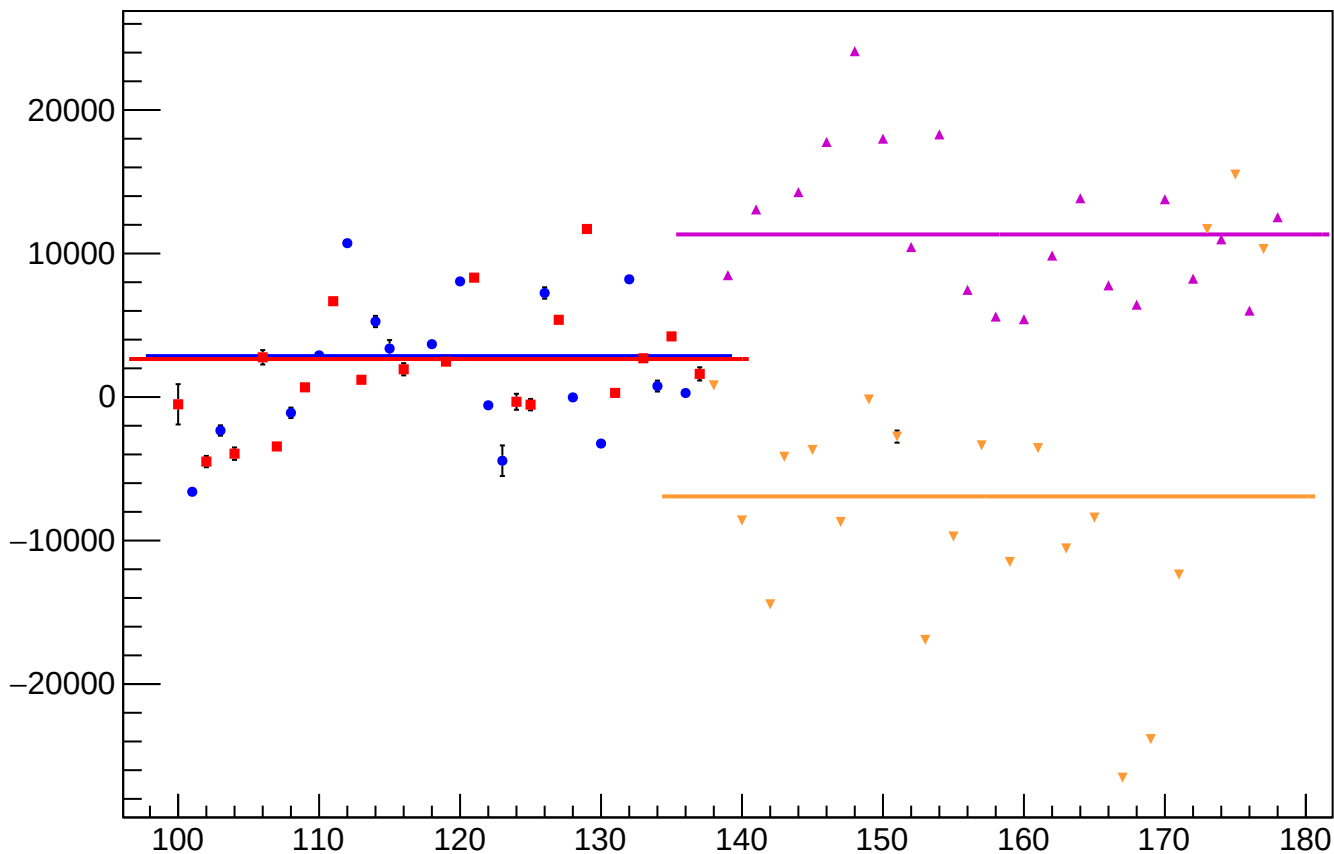
Left In: 173.928 $\pm$ 0.032 χ^2 /NDF: 977401.3/19

+ sign 156.943 $\pm$ 0.024 χ^2 /NDF: 2366702.9/37

All: 156.562 $\pm$ 0.017 χ^2 /NDF: 4873794.8/76

- 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: -6923.044 $\pm$ 49.472 χ^2 /NDF:44540.6/20

Right Out: 2649.142 $\pm$ 65.731 χ^2 /NDF: 3175.7/18

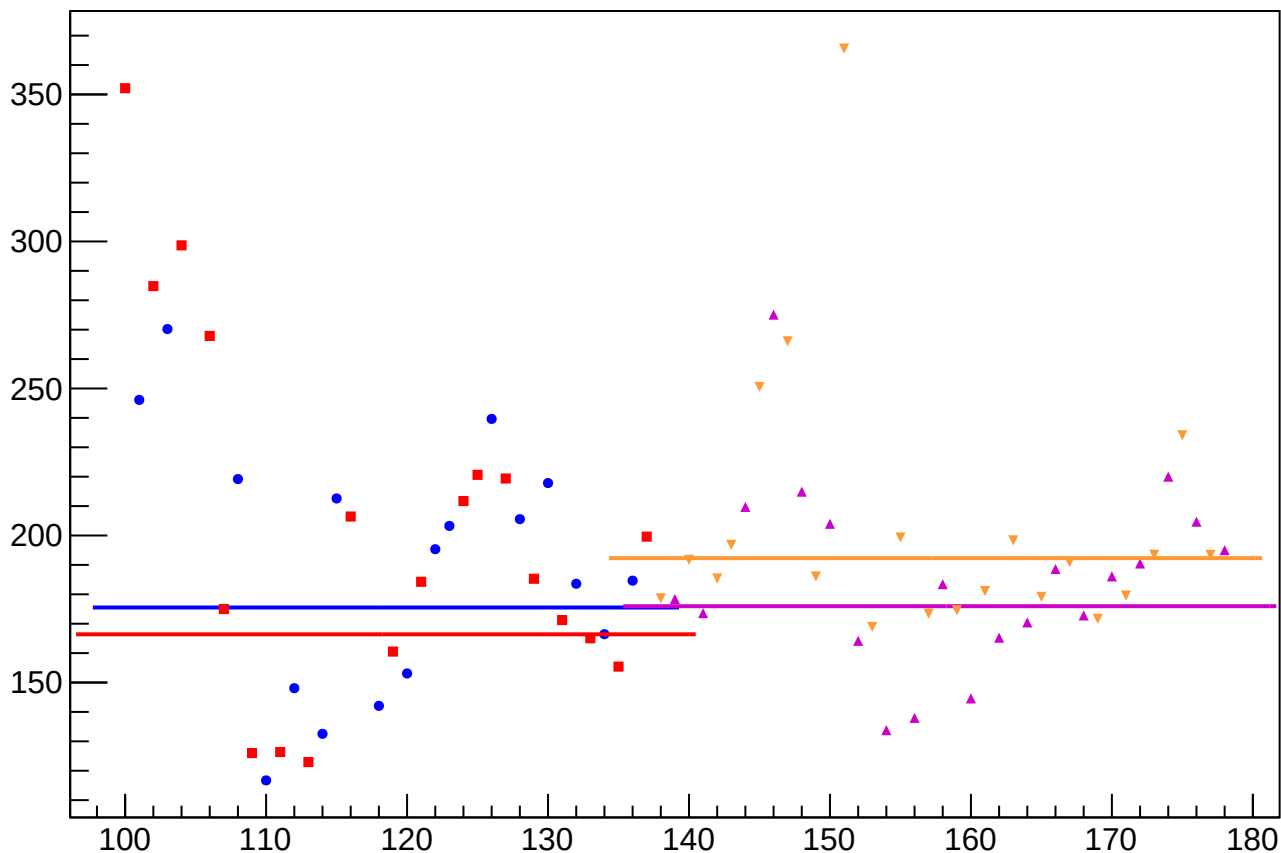
Left In: 11329.195 $\pm$ 46.225 χ^2 /NDF:11325.5/19

+ sign -3713.469 $\pm$ 40.544 χ^2 /NDF: 61537.0/37

All: 2795.628 $\pm$ 27.652 χ^2 /NDF: 135898.4/70

- sign 8456.914 $\pm$ 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: 192.308 $\pm$ 0.035 χ^2 /NDF: 711123.1/20

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

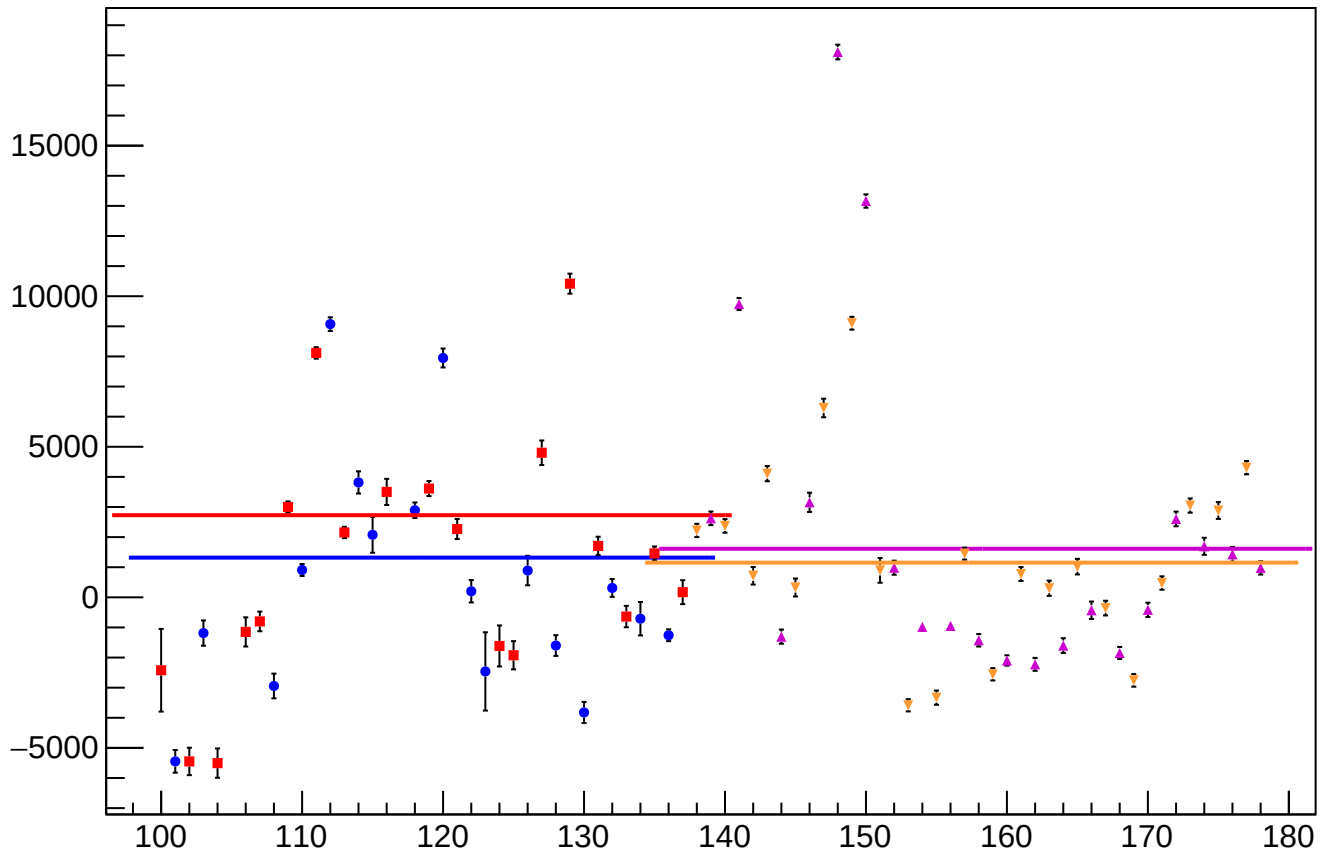
Left In: 175.955 $\pm$ 0.033 χ^2 /NDF: 822884.2/19

+ sign 186.793 $\pm$ 0.029 χ^2 /NDF: 1476438.5/37

All: 179.304 $\pm$ 0.020 χ^2 /NDF: 3384761.4/76

- 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: 1152.137+/-52.102 χ^2/NDF : 3820.0/20

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

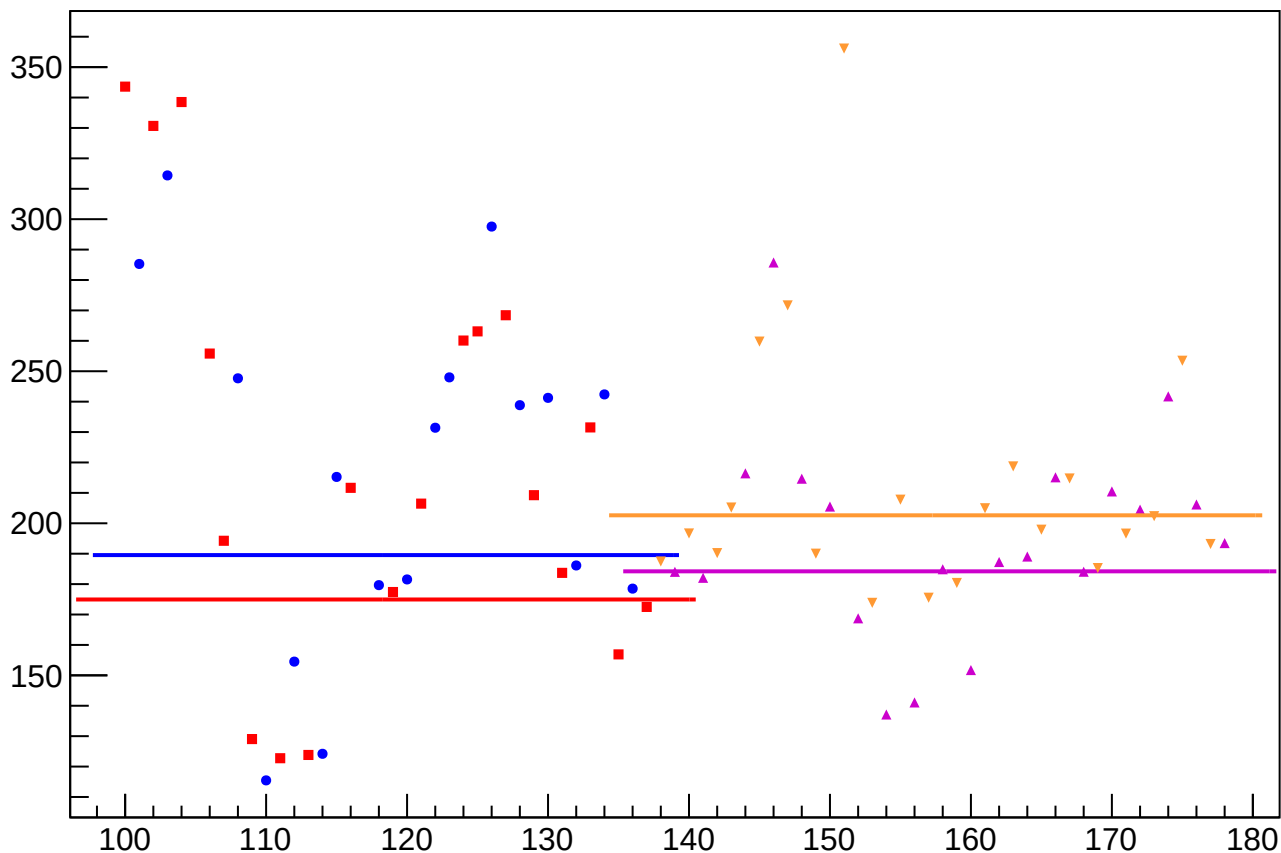
Left In: 1612.533+/-48.463 χ^2/NDF : 11312.3/19

+ sign 1204.409+/-43.177 χ^2/NDF : 6490.2/37

All: 1619.817+/-29.284 χ^2/NDF : 20641.3/76

- 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: 202.623+/-0.037 χ^2/NDF : 672848.7/20

Right Out: 174.944+/-0.050 χ^2/NDF : 1297106.6/18

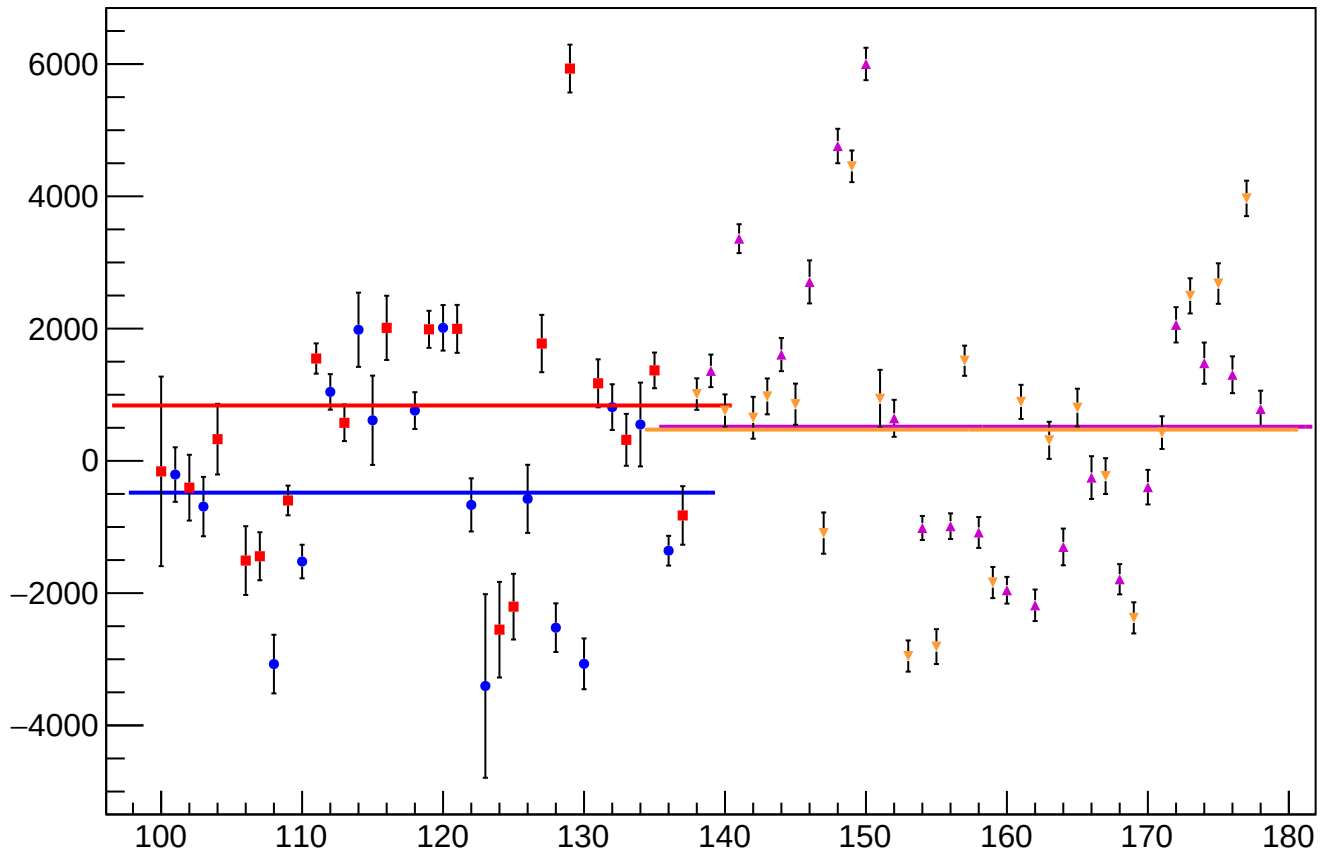
Left In: 184.200+/-0.034 χ^2/NDF : 867643.5/19

+ sign 198.526+/-0.031 χ^2/NDF : 1693069.1/37

All: 189.172+/-0.021 χ^2/NDF : 4055303.6/76

- 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: 472.752 ± 58.004 χ^2/NDF : 1234.5/20

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

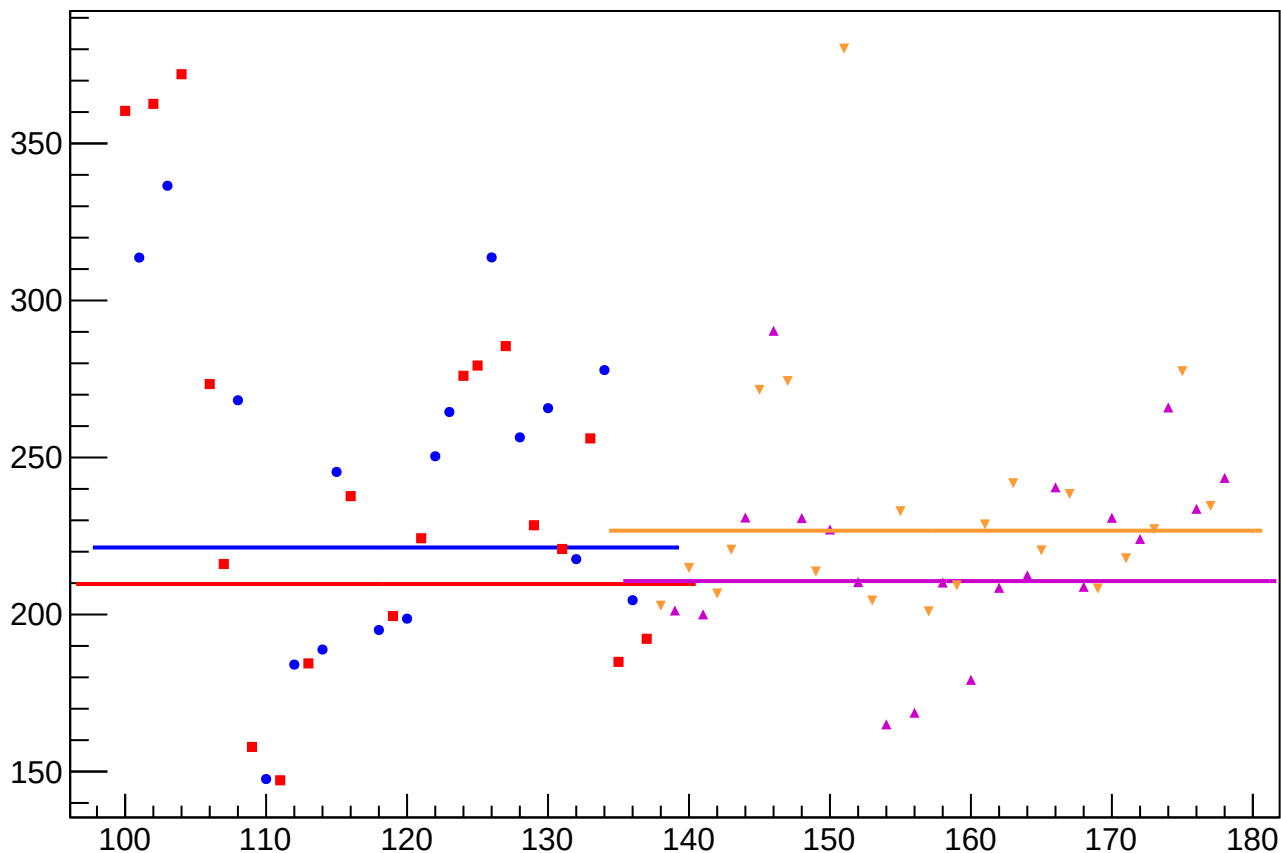
Left In: 516.322 ± 54.969 χ^2/NDF : 1682.9/19

+ sign 186.923 ± 48.536 χ^2/NDF : 1606.2/37

All: 414.081 ± 33.273 χ^2/NDF : 3776.2/76

- 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: 226.699 $\pm$ 0.041 χ^2 /NDF: 512754.4/20

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

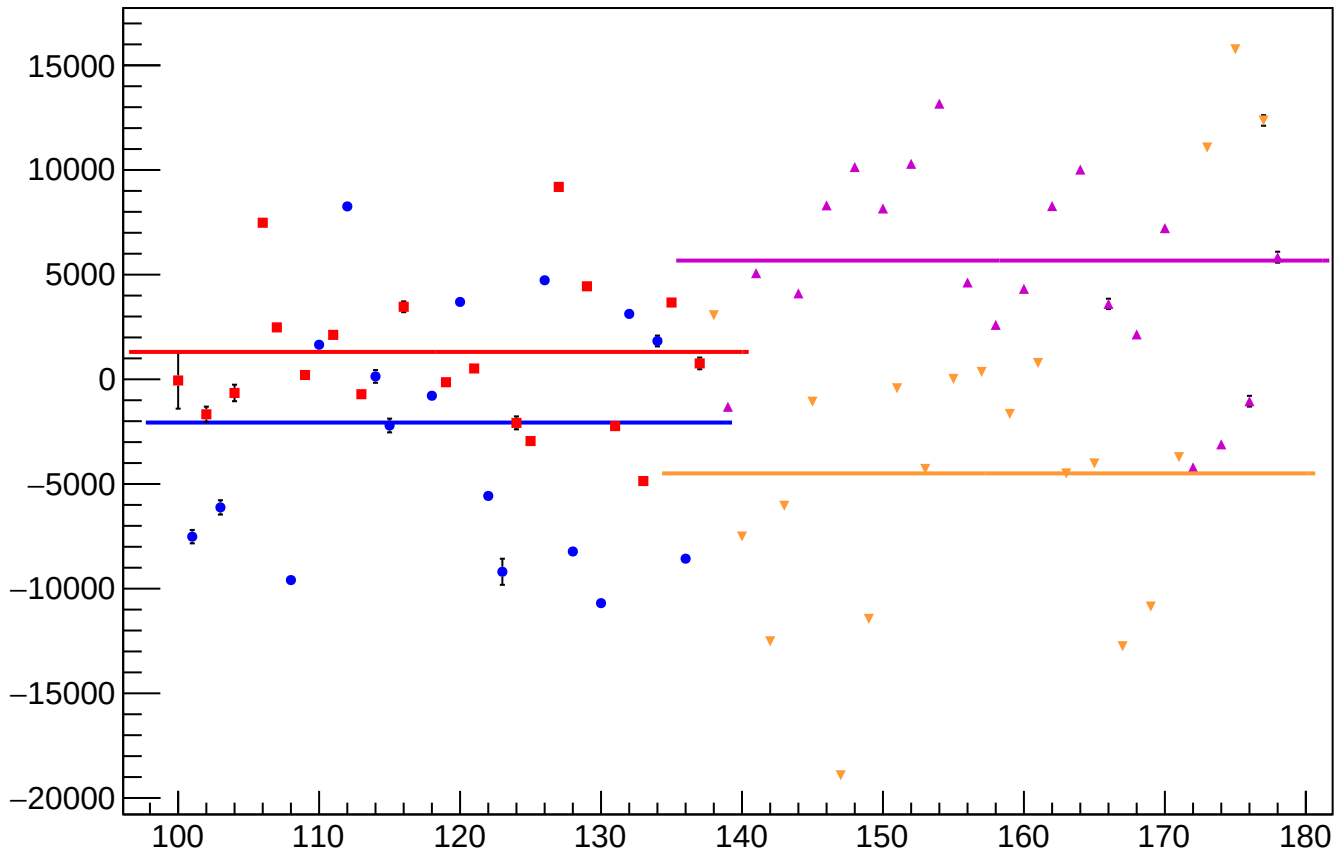
Left In: 210.646 $\pm$ 0.039 χ^2 /NDF: 569089.0/19

+ sign 225.093 $\pm$ 0.034 χ^2 /NDF: 1163556.1/37

All: 217.283 $\pm$ 0.024 χ^2 /NDF: 2714425.1/76

- 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: -4493.111 ± 34.797 $\chi^2/\text{NDF}: 49444.5/20$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

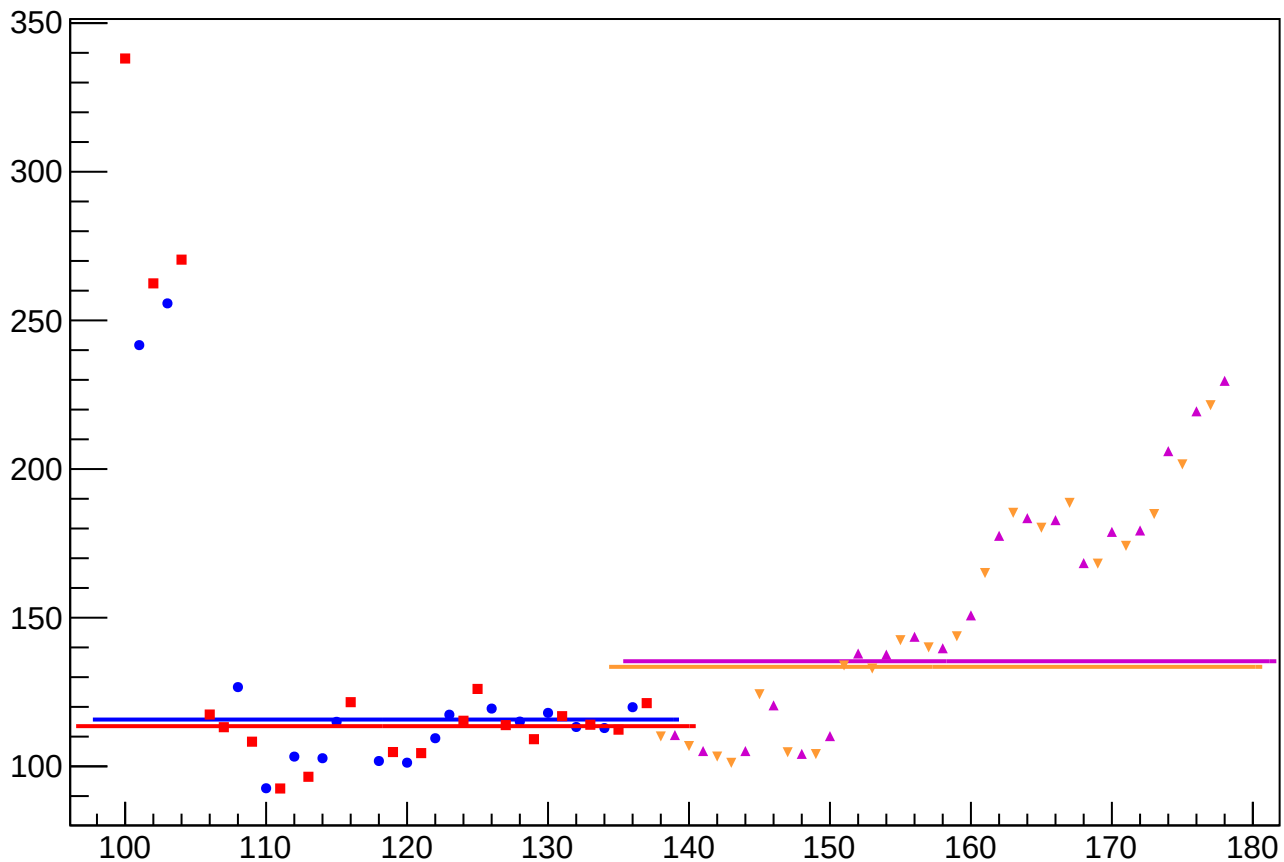
Left In: 5672.812 ± 35.753 $\chi^2/\text{NDF}: 14090.8/19$

+ sign -3641.039 ± 28.034 $\chi^2/\text{NDF}: 67686.4/37$

All: 176.992 ± 19.809 $\chi^2/\text{NDF}: 130481.5/76$

- 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: 133.469 $\pm$ 0.025 χ^2 /NDF: 1708605.7/20

Right Out: 113.519 $\pm$ 0.032 χ^2 /NDF: 796640.6/18

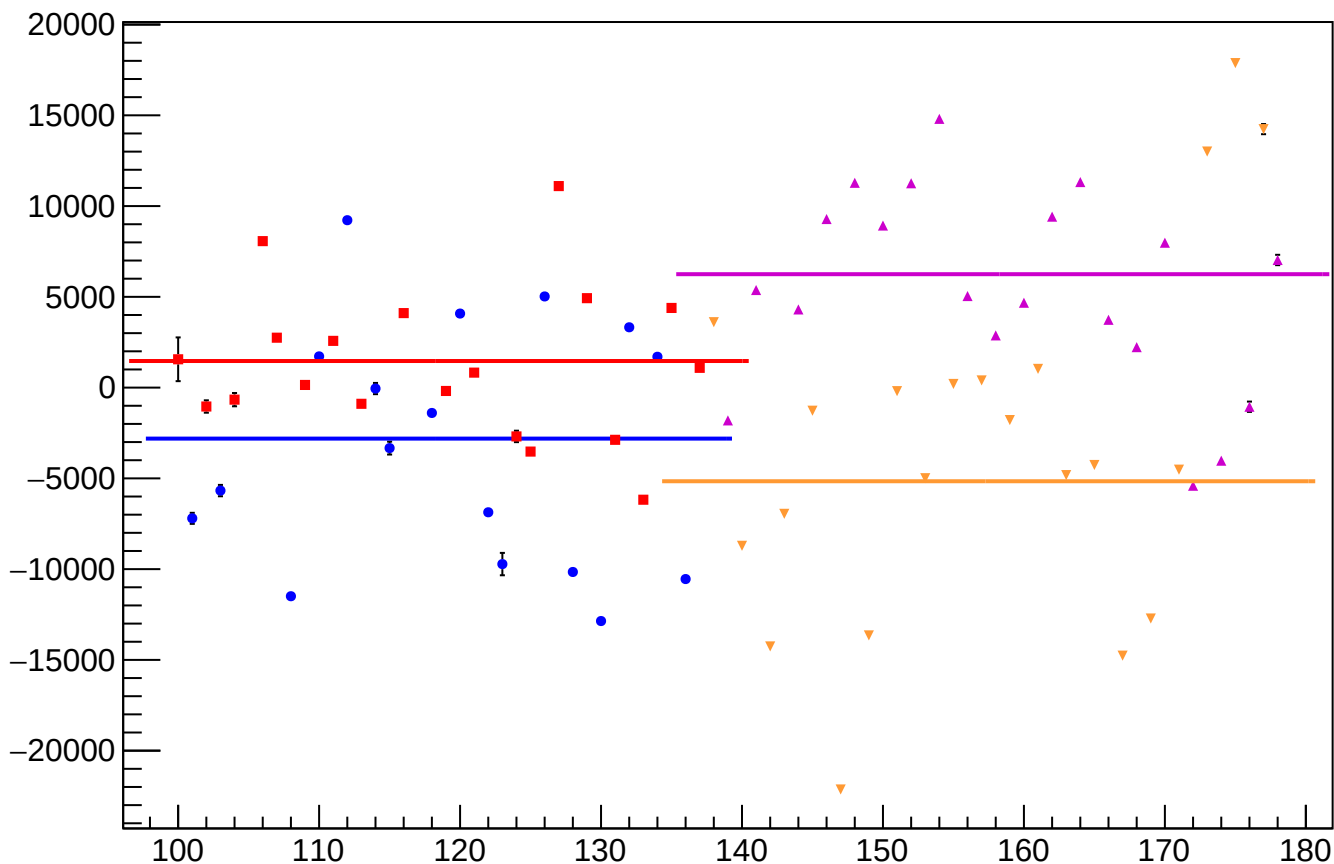
Left In: 135.355 $\pm$ 0.025 χ^2 /NDF: 1743908.8/19

+ sign 127.248 $\pm$ 0.020 χ^2 /NDF: 2634819.3/37

All: 127.076 $\pm$ 0.014 χ^2 /NDF: 5464207.6/76

- sign 126.906 $\pm$ 0.020 χ^2 /NDF: 2829239.4/38

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101+/-48.284 χ^2/NDF : 21263.1/16

Left Out: -5158.391+/-37.029 χ^2/NDF : 57553.0/20

Right Out: 1465.074+/-46.394 χ^2/NDF : 8004.7/18

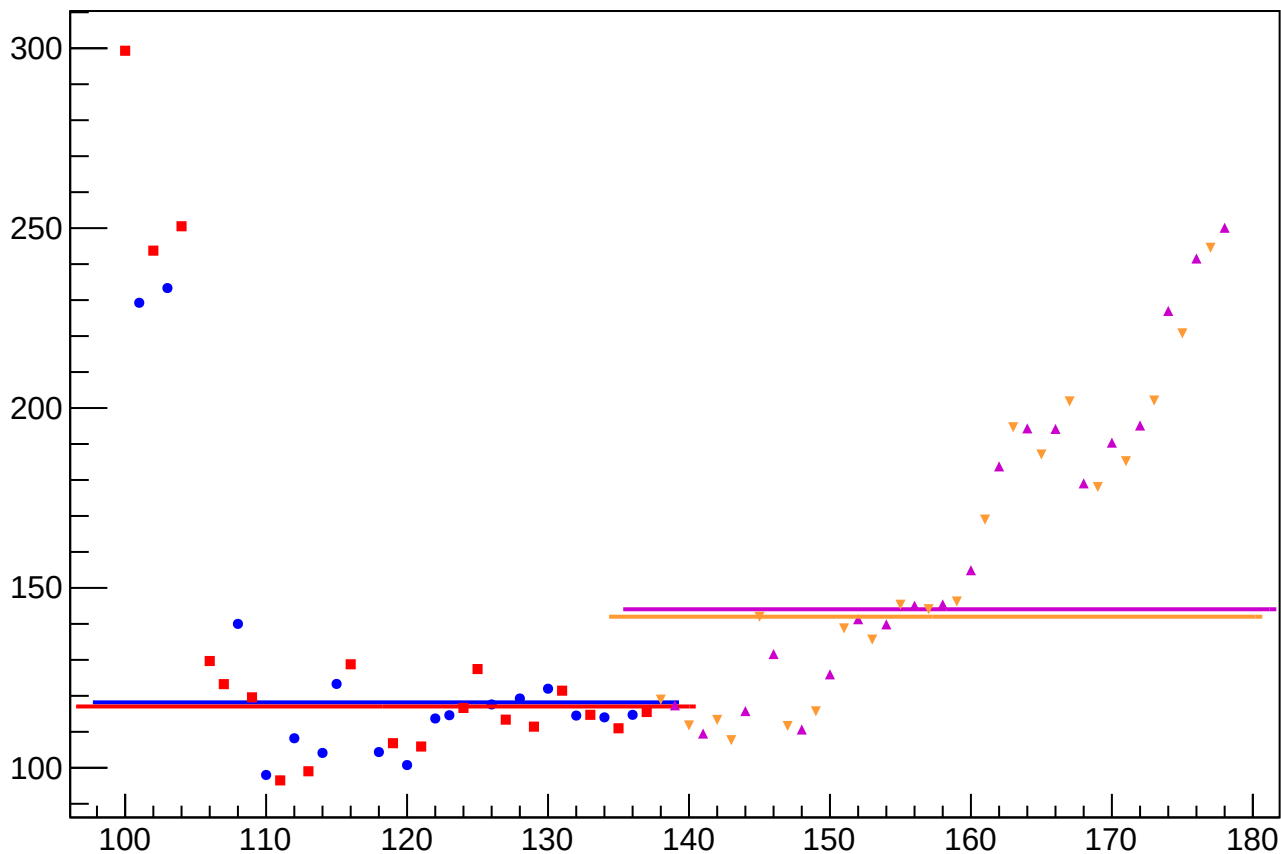
Left In: 6247.867+/-38.073 χ^2/NDF : 16348.4/19

+ sign -4288.388+/-29.383 χ^2/NDF : 80306.8/37

All: 10.350+/-20.794 χ^2/NDF : 153887.5/76

- sign 4323.149+/-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: 142.000 $\pm$ 0.026 χ^2 /NDF: 1657373.6/20

Right Out: 117.046 $\pm$ 0.033 χ^2 /NDF: 690635.5/18

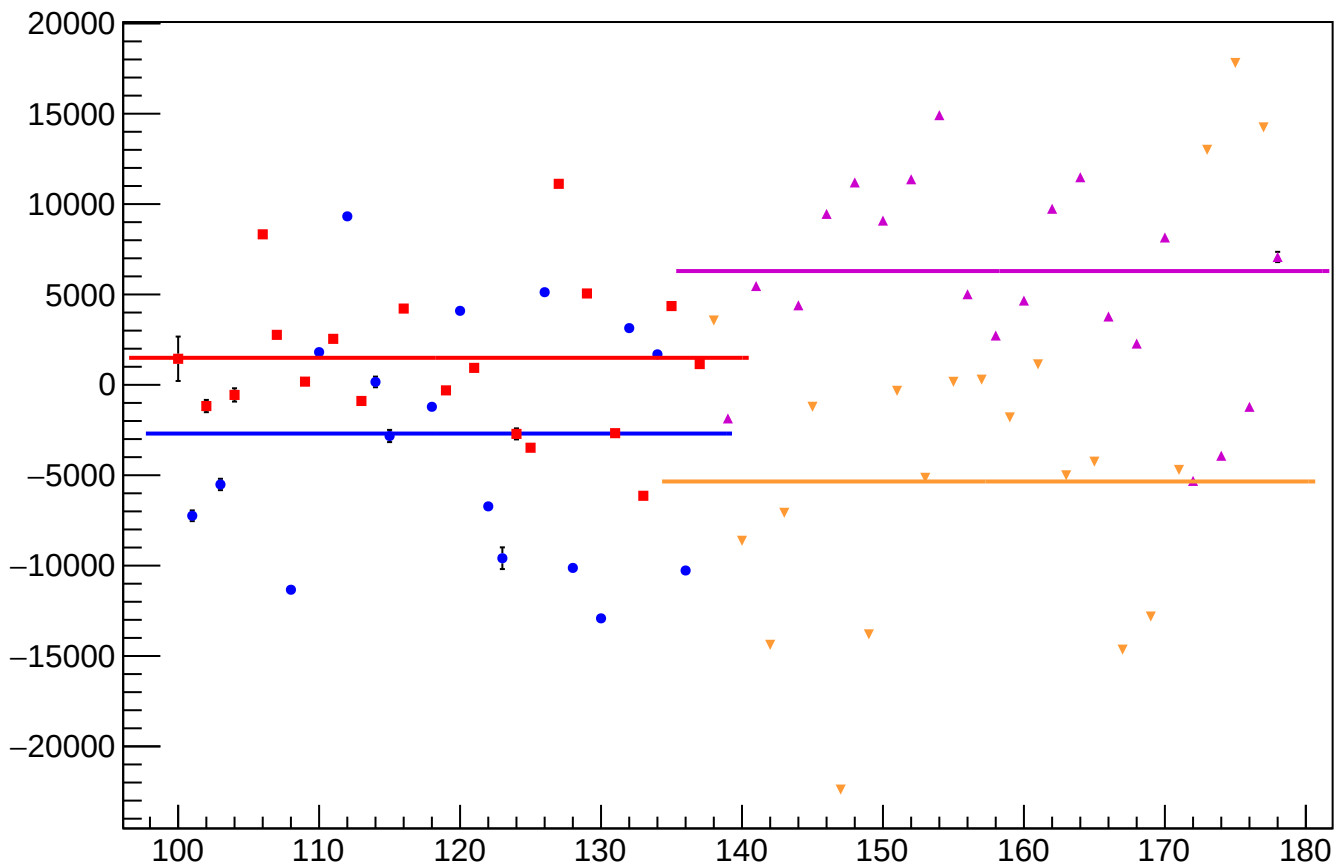
Left In: 144.067 $\pm$ 0.027 χ^2 /NDF: 1714351.9/19

+ sign 133.182 $\pm$ 0.021 χ^2 /NDF: 2599892.6/37

All: 133.187 $\pm$ 0.015 χ^2 /NDF: 5410290.2/76

- 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: -5345.756 ± 36.155 $\chi^2/\text{NDF}: 61982.4/20$

Right Out: 1495.744 ± 44.445 $\chi^2/\text{NDF}: 8717.2/18$

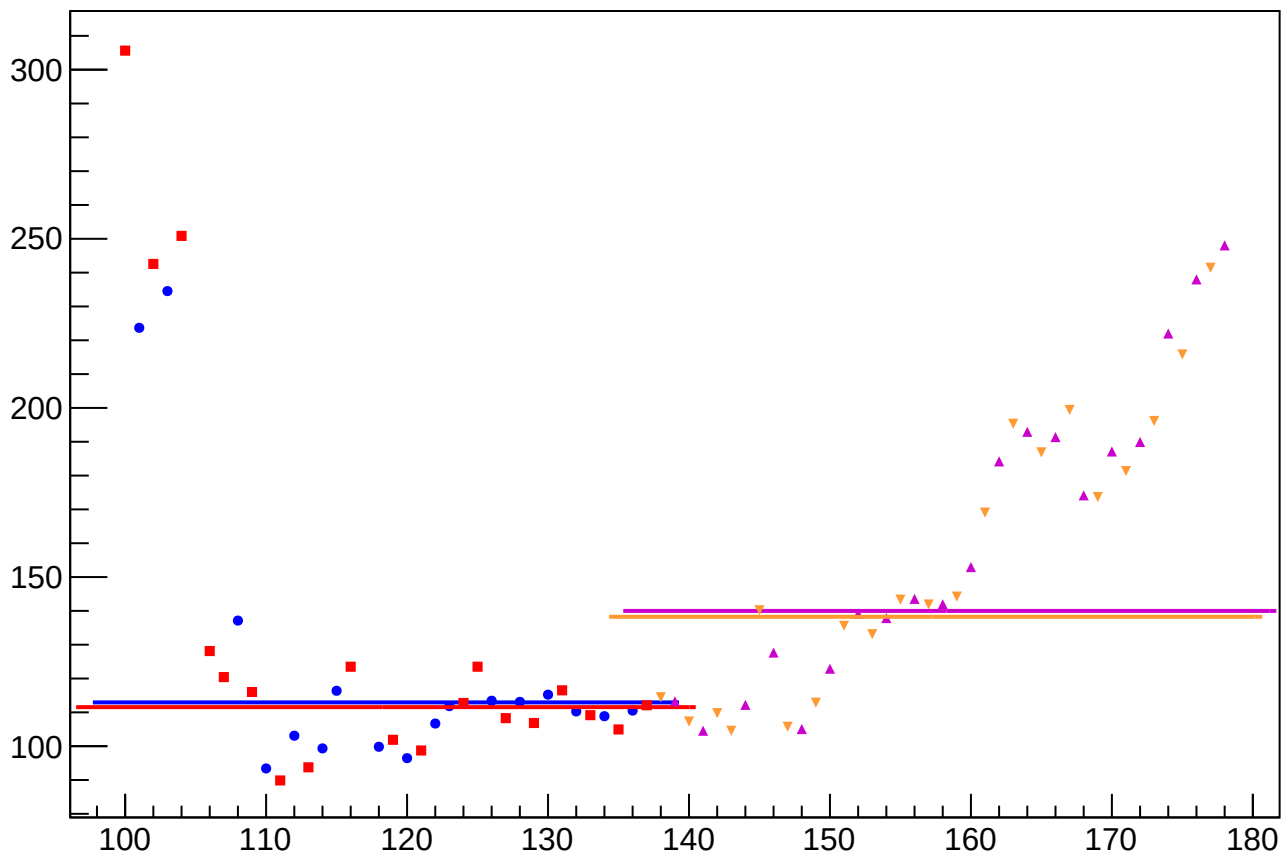
Left In: 6295.163 ± 37.111 $\chi^2/\text{NDF}: 17459.7/19$

+ sign -4342.630 ± 28.507 $\chi^2/\text{NDF}: 86877.5/37$

All: -6.346 ± 20.150 $\chi^2/\text{NDF}: 166166.9/76$

- 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: 138.253 $\pm$ 0.026 χ^2 /NDF: 1781724.7/20

Right Out: 111.544 $\pm$ 0.031 χ^2 /NDF: 765502.6/18

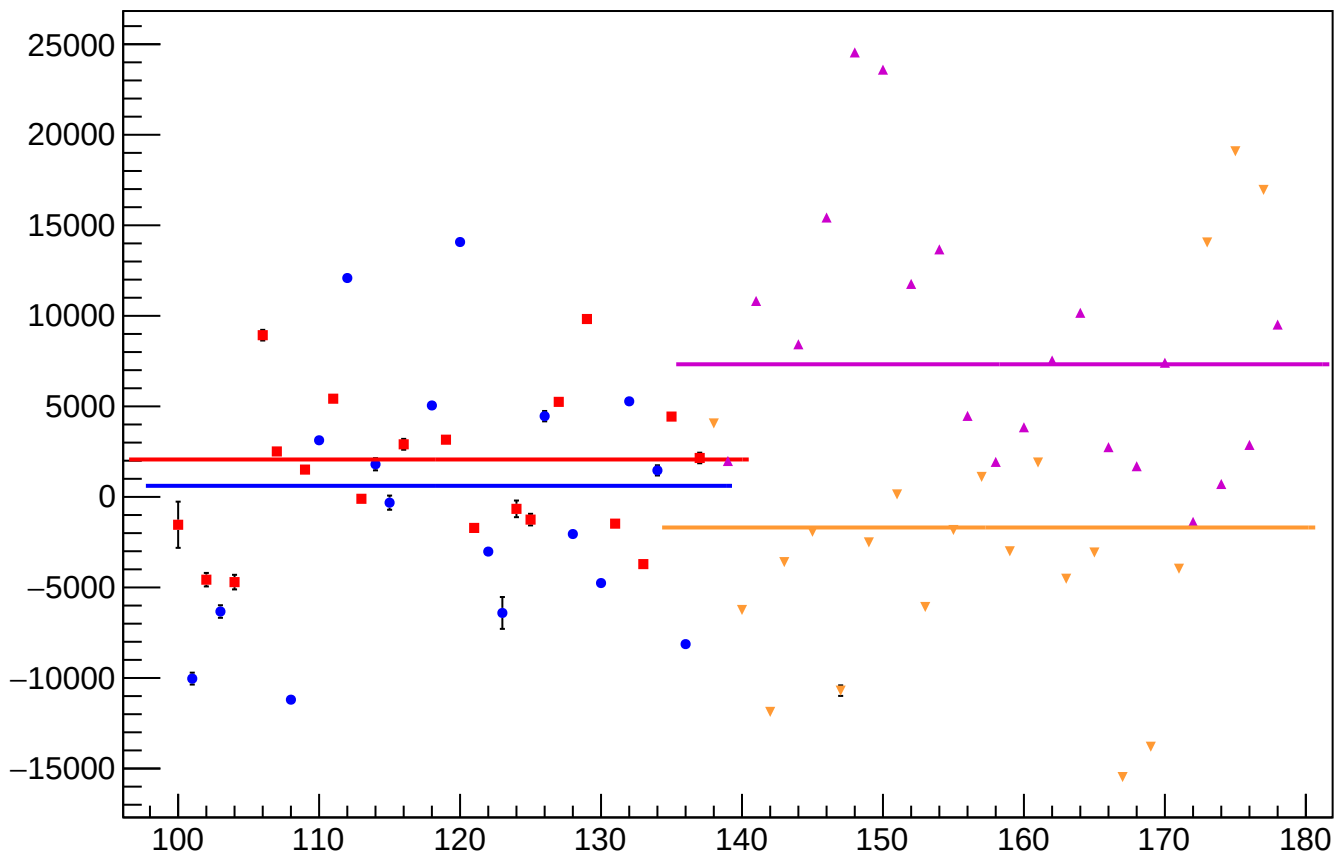
Left In: 139.987 $\pm$ 0.026 χ^2 /NDF: 1846271.6/19

+ sign 128.677 $\pm$ 0.020 χ^2 /NDF: 2832889.3/37

All: 128.489 $\pm$ 0.014 χ^2 /NDF: 5927460.8/76

- 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: -1688.776 ± 41.340 $\chi^2/\text{NDF}: 36979.6/20$

Right Out: 2067.410 ± 53.931 $\chi^2/\text{NDF}: 4642.7/18$

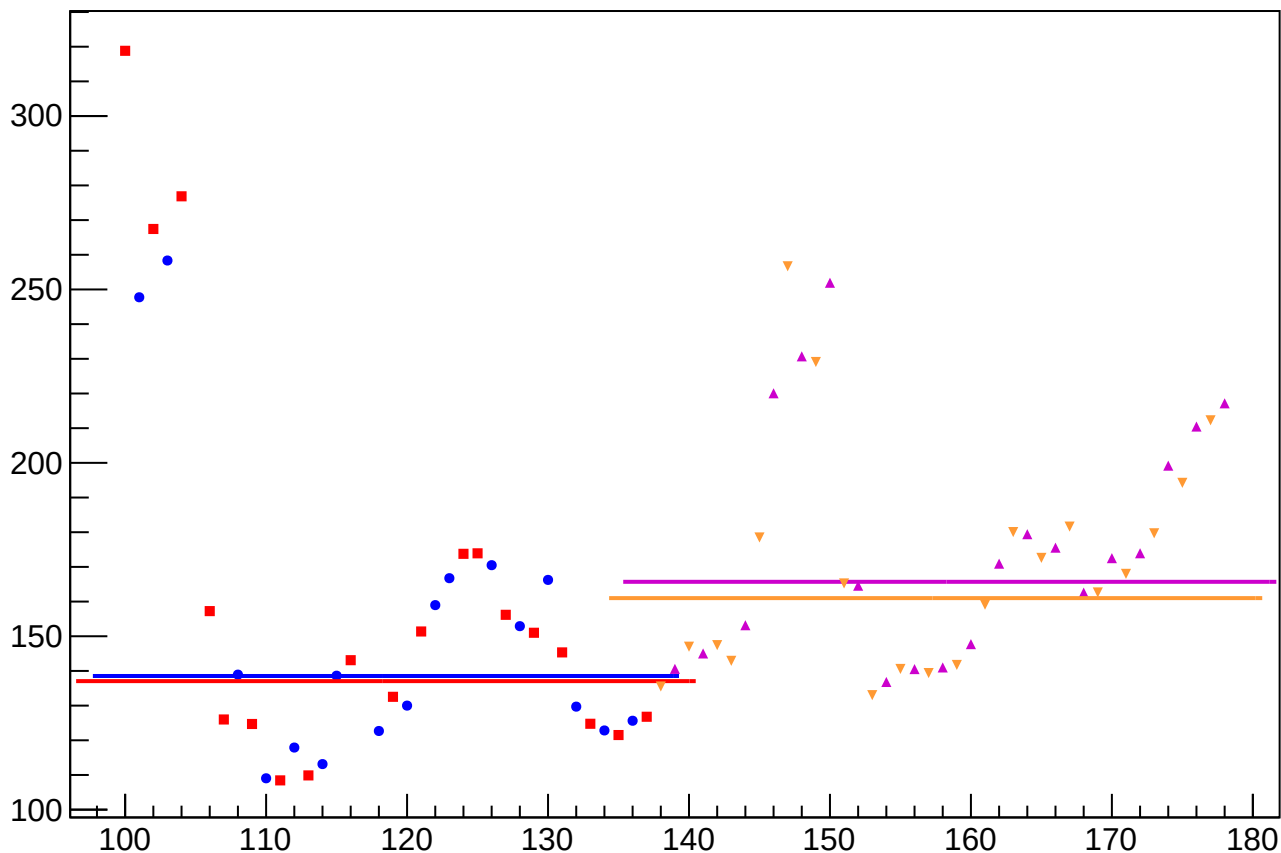
Left In: 7324.811 ± 43.183 $\chi^2/\text{NDF}: 19260.8/19$

+ sign -878.161 ± 33.272 $\chi^2/\text{NDF}: 56314.6/37$

All: 2156.291 ± 23.680 $\chi^2/\text{NDF}: 102863.9/70$

- 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: 160.997 $\pm$ 0.029 χ^2 /NDF: 835029.7/20

Right Out: 137.061 $\pm$ 0.038 χ^2 /NDF: 755491.9/18

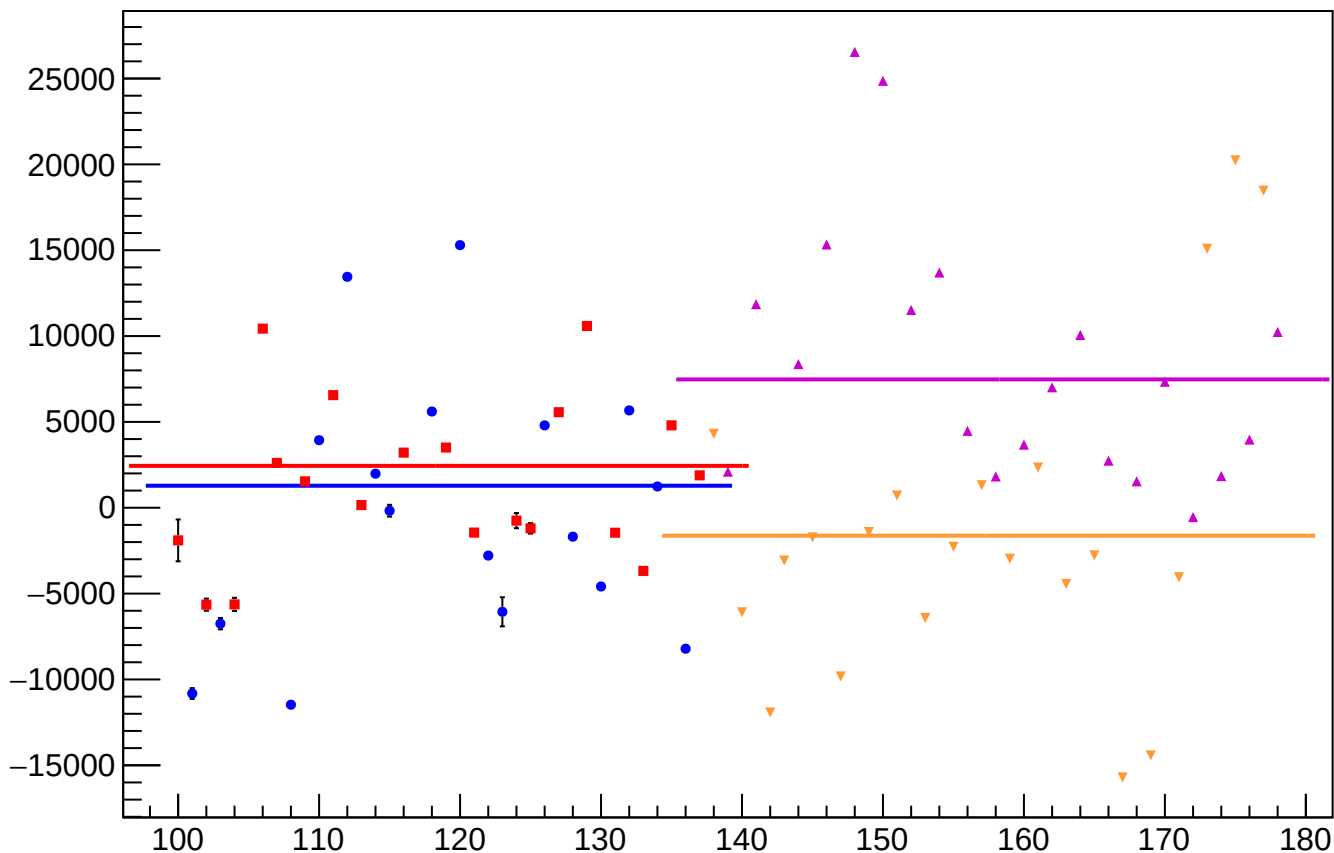
Left In: 165.699 $\pm$ 0.031 χ^2 /NDF: 918852.3/19

+ sign 153.088 $\pm$ 0.024 χ^2 /NDF: 1711831.1/37

All: 153.790 $\pm$ 0.017 χ^2 /NDF: 3731626.1/76

- 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: -1626.929+/-37.248 χ^2/NDF : 46386.0/20

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

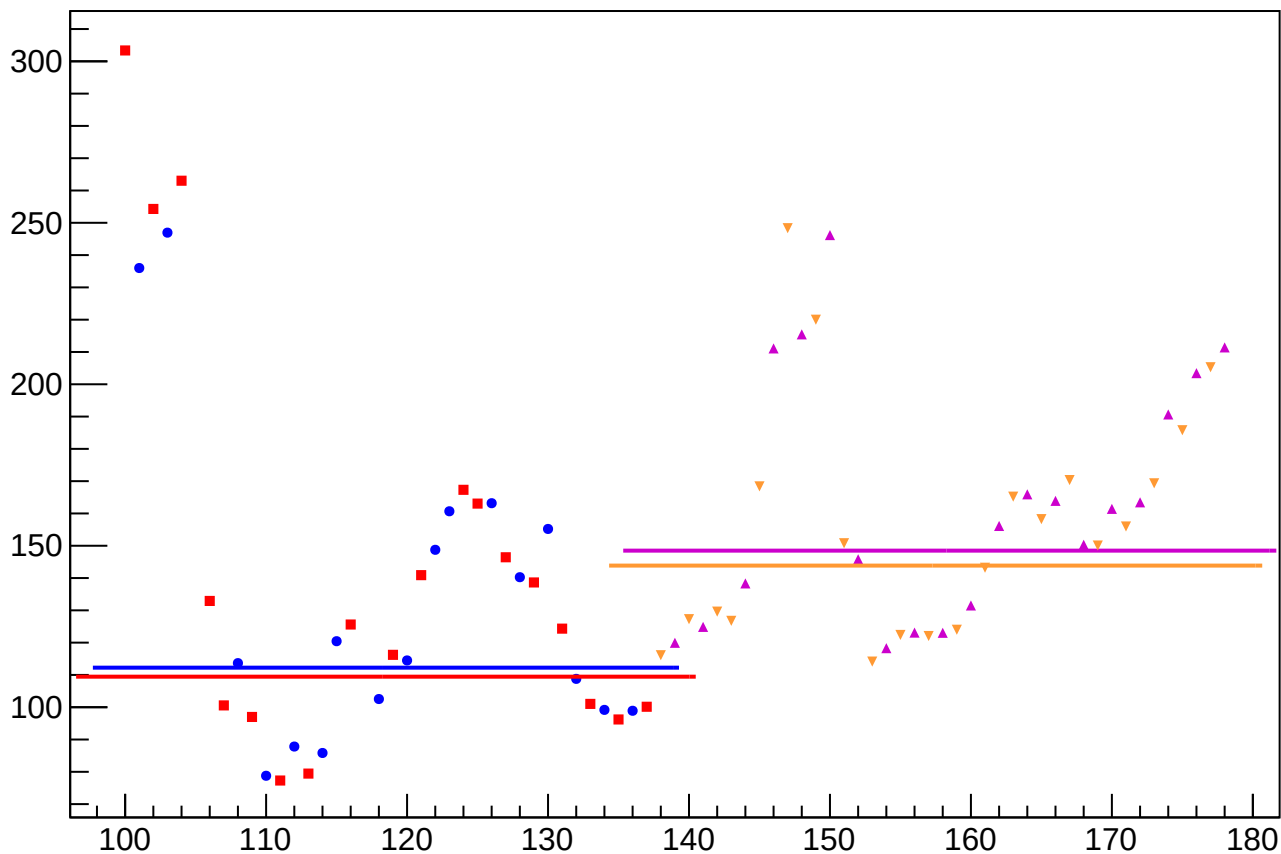
Left In: 7474.709+/-39.081 χ^2/NDF : 23983.6/19

+ sign -491.731+/-29.089 χ^2/NDF : 79307.8/37

All: 2368.284+/-20.644 χ^2/NDF : 137711.1/70

- 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: 143.856+/-0.026 χ^2/NDF :1226993.1/20

Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

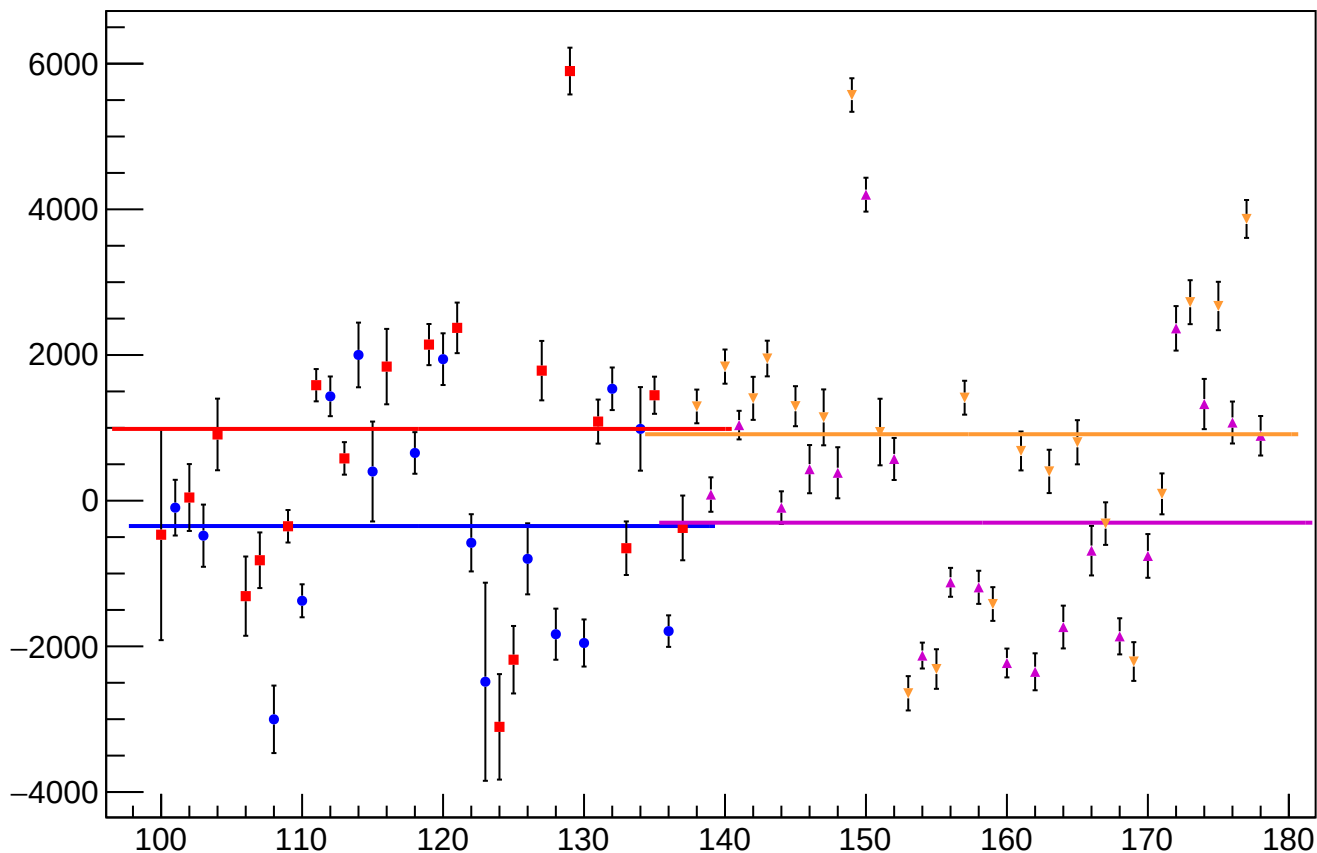
Left In: 148.487+/-0.028 χ^2/NDF :1332979.8/19

+ sign 131.526+/-0.021 χ^2/NDF : 2914282.5/37

All: 131.464+/-0.015 χ^2/NDF : 6390109.3/76

- 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: 912.446 ± 59.042 χ^2/NDF : 1285.9/20

Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

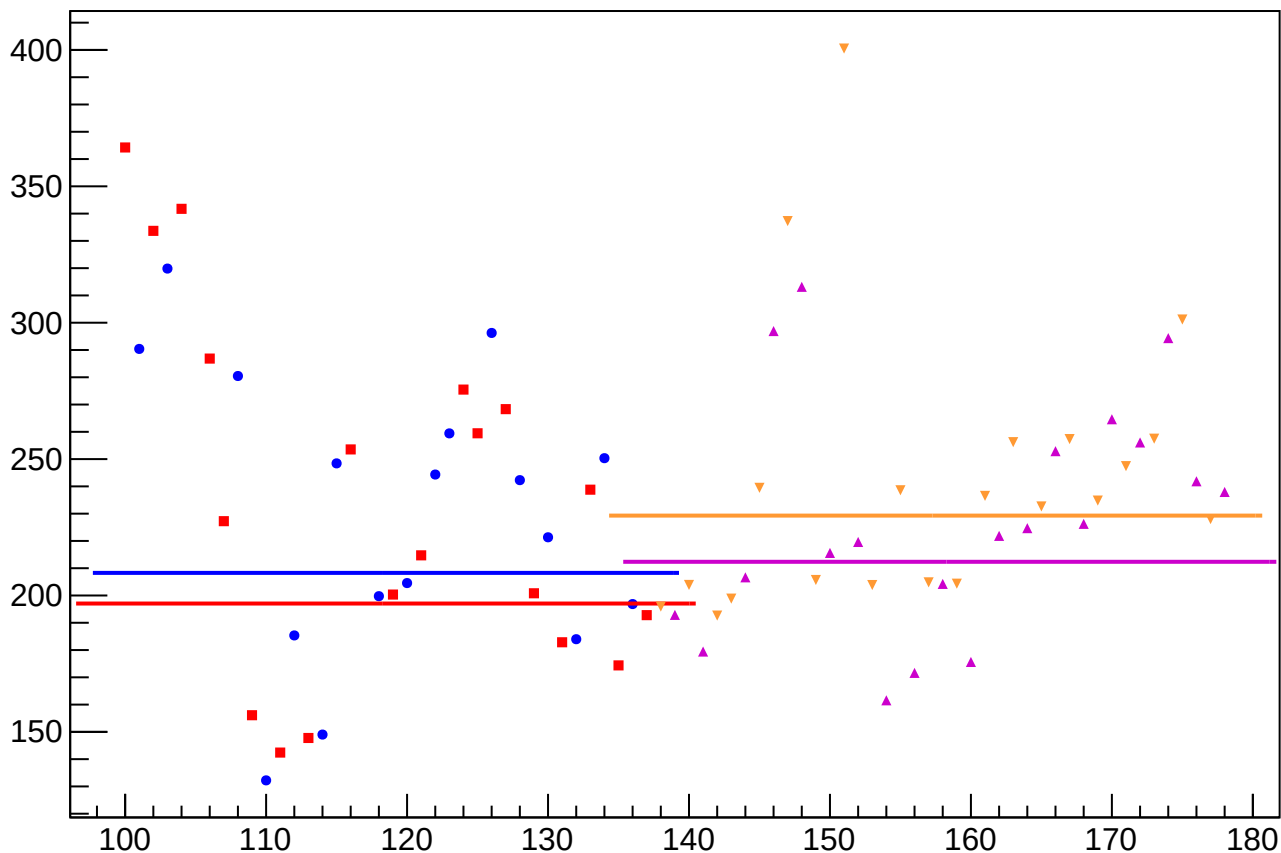
Left In: -302.104 ± 55.796 χ^2/NDF : 947.7/19

+ sign 494.480 ± 48.270 χ^2/NDF : 1754.3/37

All: 303.945 ± 33.039 χ^2/NDF : 3389.1/76

- 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: 229.289 $\pm$ 0.042 χ^2 /NDF: 817406.1/20

Right Out: 197.051 $\pm$ 0.055 χ^2 /NDF: 926786.6/18

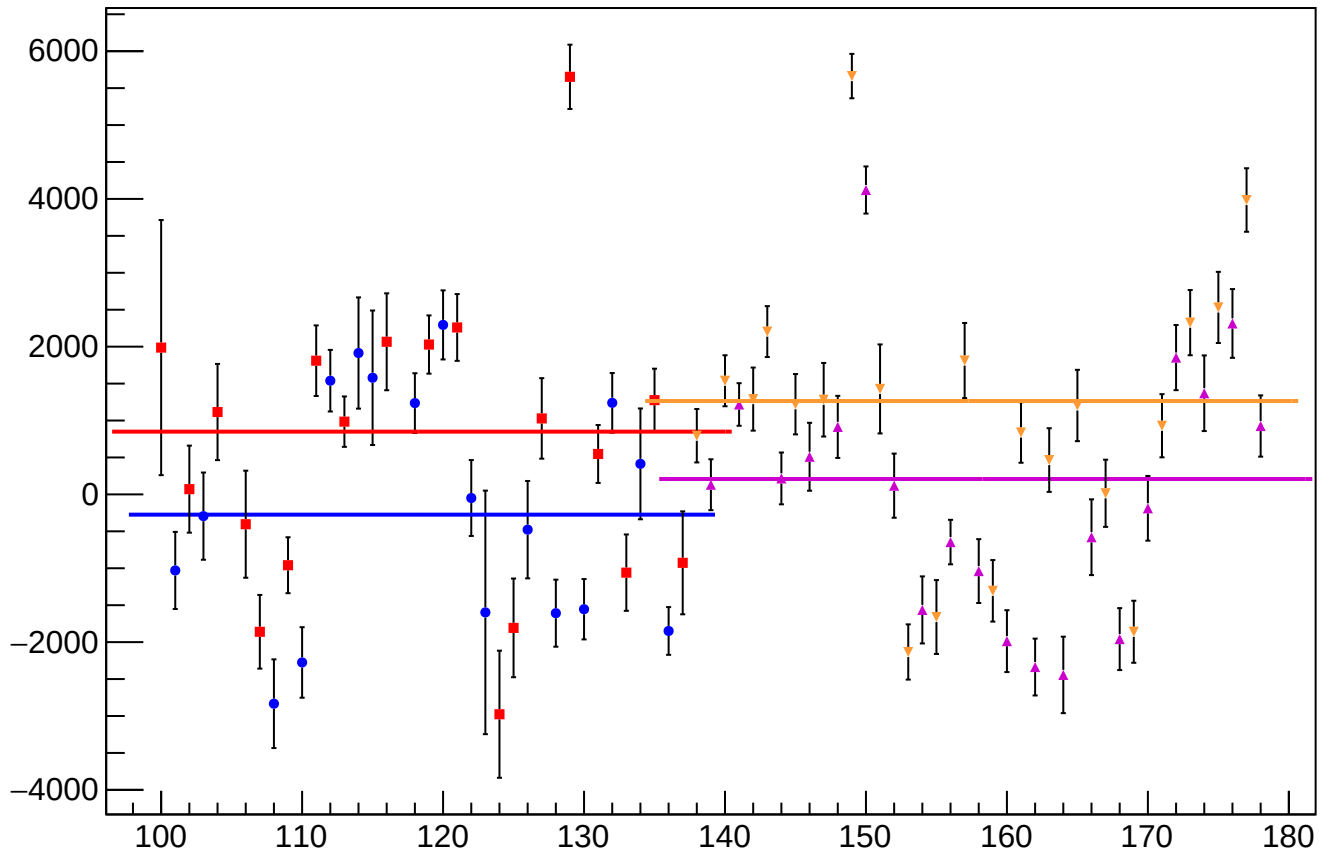
Left In: 212.351 $\pm$ 0.039 χ^2 /NDF: 982023.6/19

+ sign 222.325 $\pm$ 0.034 χ^2 /NDF: 1599807.3/37

All: 214.256 $\pm$ 0.023 χ^2 /NDF: 3664940.7/76

- 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: 1264.111 ± 90.894 χ^2/NDF : 500.9/20

Right Out: 849.413 ± 115.349 χ^2/NDF : 263.3/18

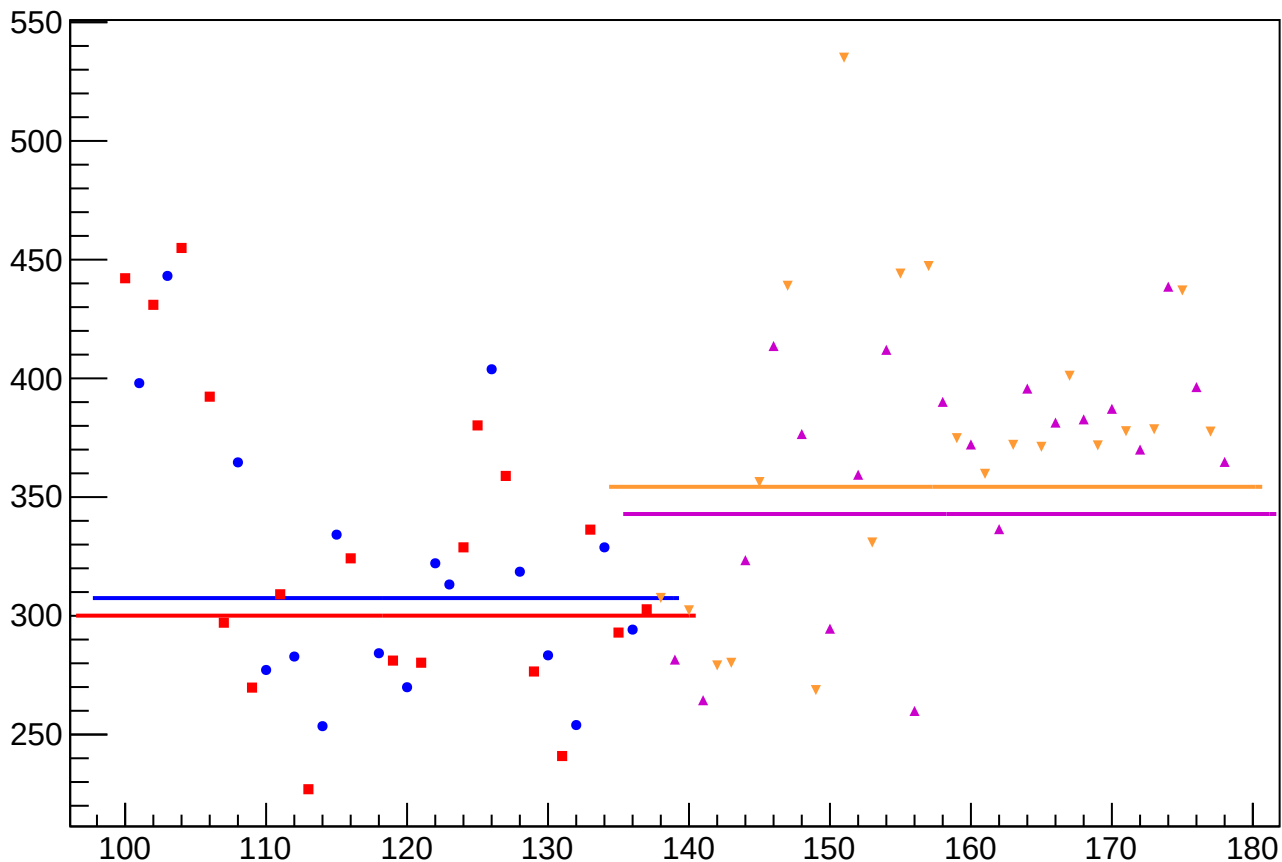
Left In: 208.253 ± 89.221 χ^2/NDF : 367.5/19

+ sign 711.078 ± 72.744 χ^2/NDF : 775.5/37

All: 575.687 ± 50.653 χ^2/NDF : 1432.3/76

- 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: 354.330 $\pm$ 0.064 χ^2 /NDF: 885167.4/20

Right Out: 300.069 $\pm$ 0.082 χ^2 /NDF: 490398.9/18

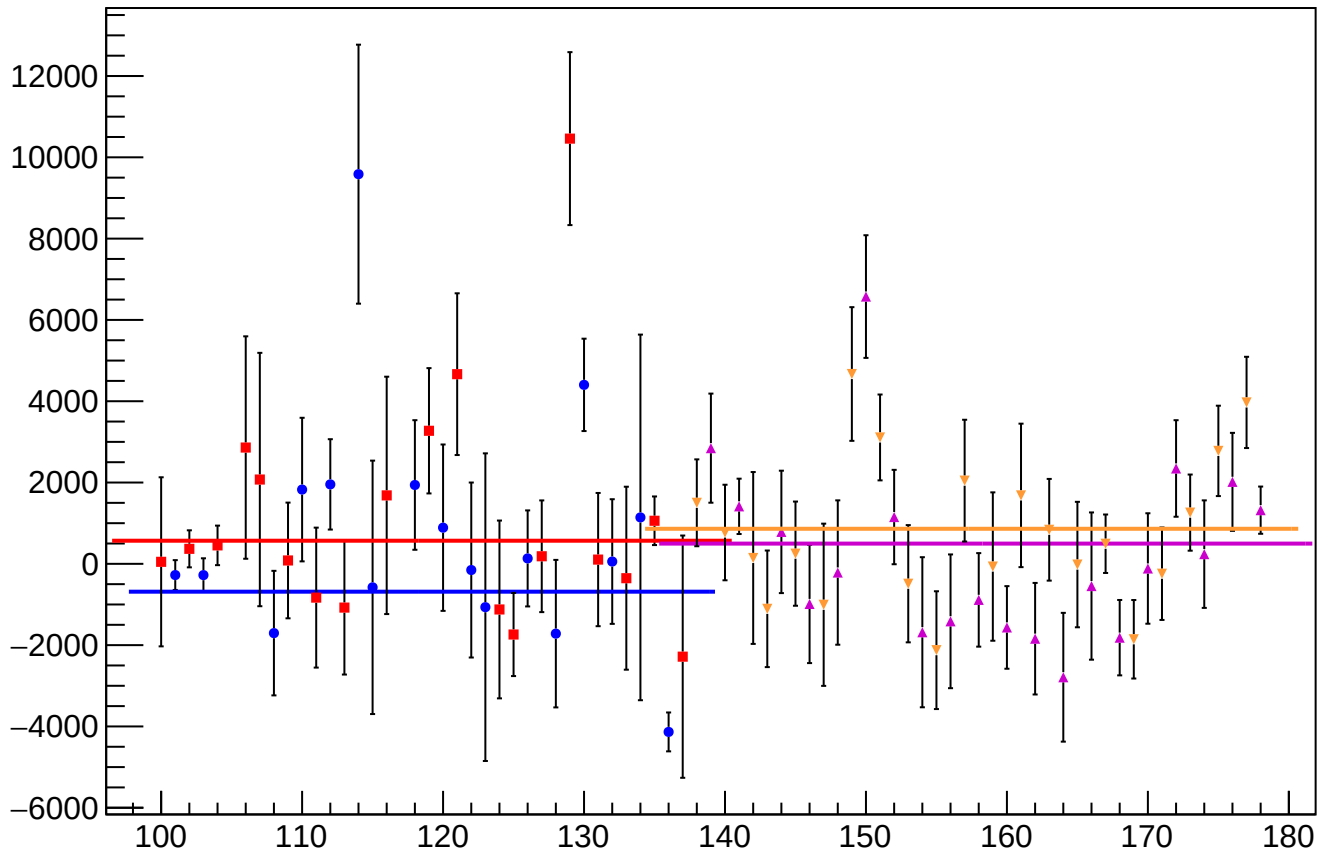
Left In: 342.877 $\pm$ 0.063 χ^2 /NDF: 738882.2/19

+ sign 337.484 $\pm$ 0.051 χ^2 /NDF: 1399381.4/37

All: 332.007 $\pm$ 0.036 χ^2 /NDF: 2823005.8/76

- 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: 862.374 ± 266.851 χ^2/NDF : 39.9/20

Right Out: 568.651 ± 243.251 χ^2/NDF : 39.7/18

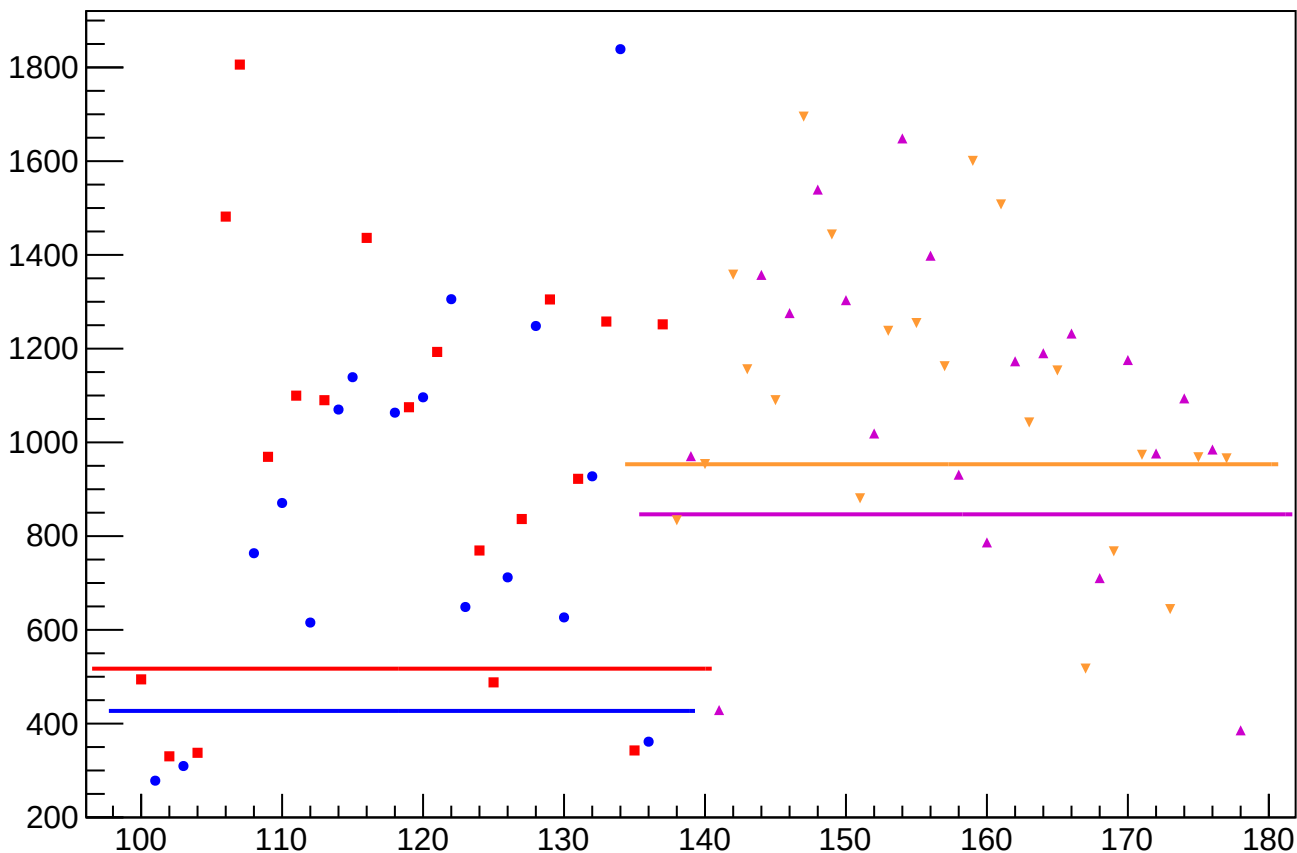
Left In: 497.654 ± 254.921 χ^2/NDF : 51.0/19

+ sign -92.056 ± 165.192 χ^2/NDF : 158.0/37

All: 201.568 ± 120.444 χ^2/NDF : 255.5/76

- sign 534.814 ± 175.986 χ^2/NDF : 90.8/38

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 953.358+/-0.189 χ^2/NDF : 2349052.7/20

Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

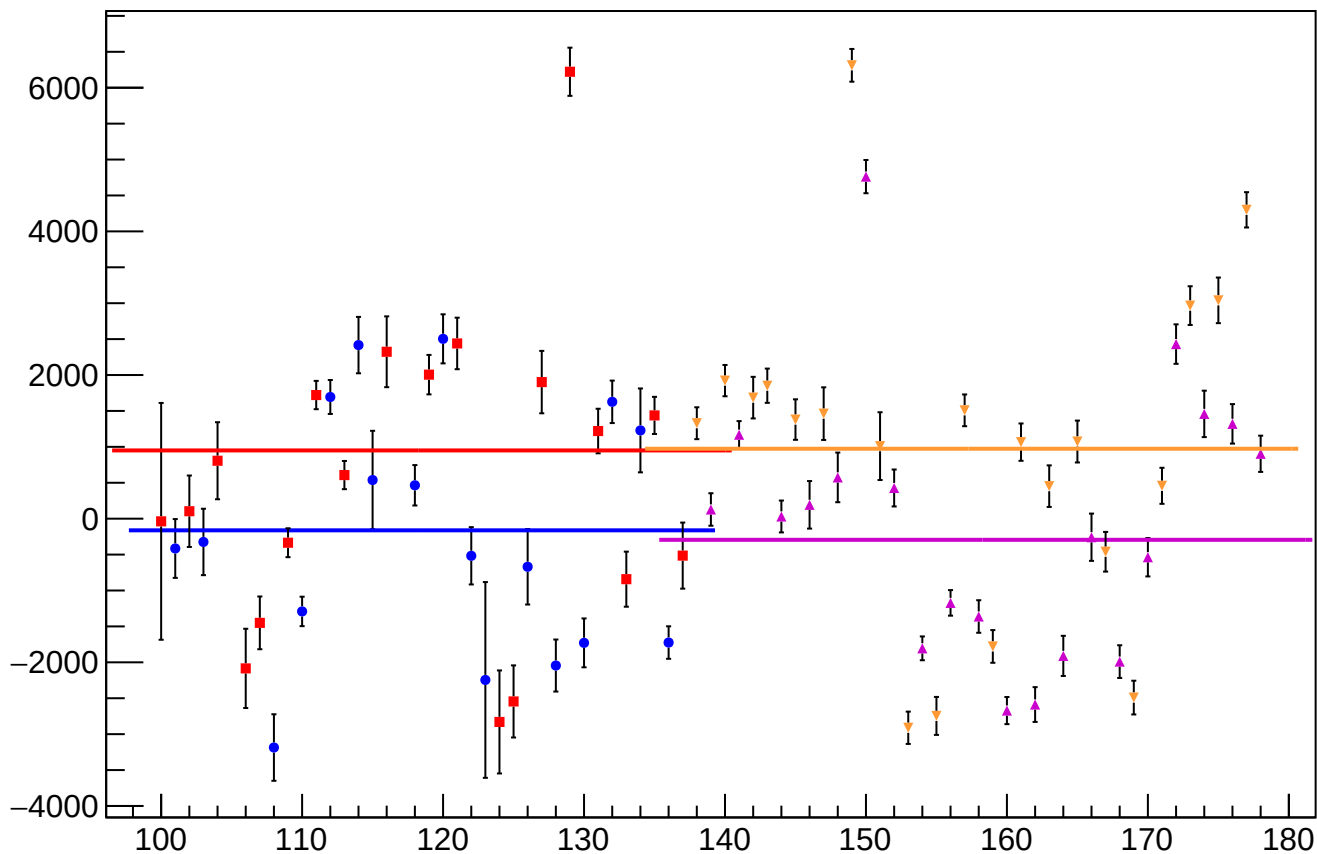
Left In: 846.507+/-0.180 χ^2/NDF : 4165469.3/19

+ sign 628.758+/-0.117 χ^2/NDF : 10012716.8/37

All: 650.025+/-0.085 χ^2/NDF : 19600591.4/70

- sign 674.162+/-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: 973.783 ± 56.402 χ^2/NDF : 1773.7/20

Right Out: 950.093 ± 75.133 χ^2/NDF : 539.8/18

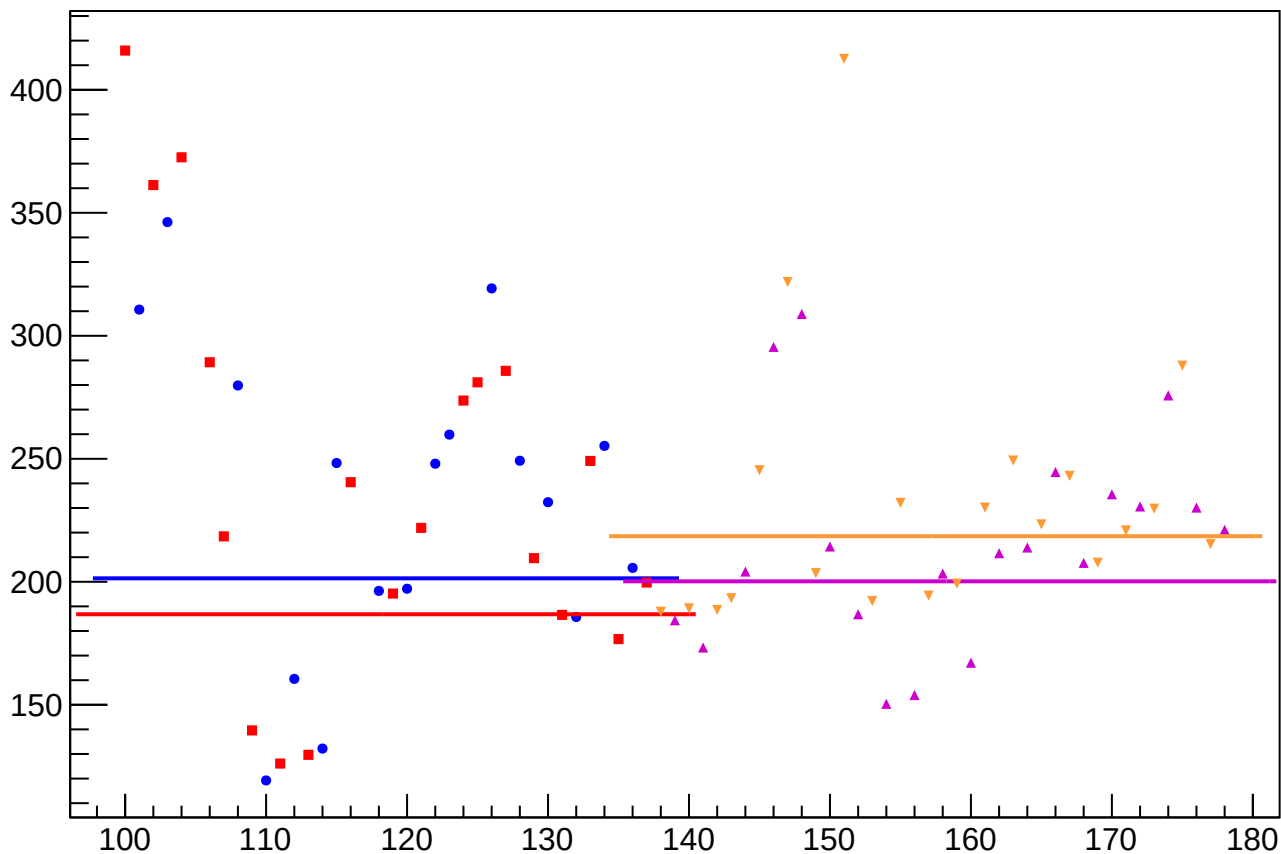
Left In: -294.362 ± 52.807 χ^2/NDF : 1211.5/19

+ sign 611.013 ± 46.534 χ^2/NDF : 2290.8/37

All: 345.761 ± 31.661 χ^2/NDF : 4286.2/76

- 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: 218.535 $\pm$ 0.040 χ^2 /NDF: 859895.9/20

Right Out: 186.797 $\pm$ 0.053 χ^2 /NDF: 1393162.0/18

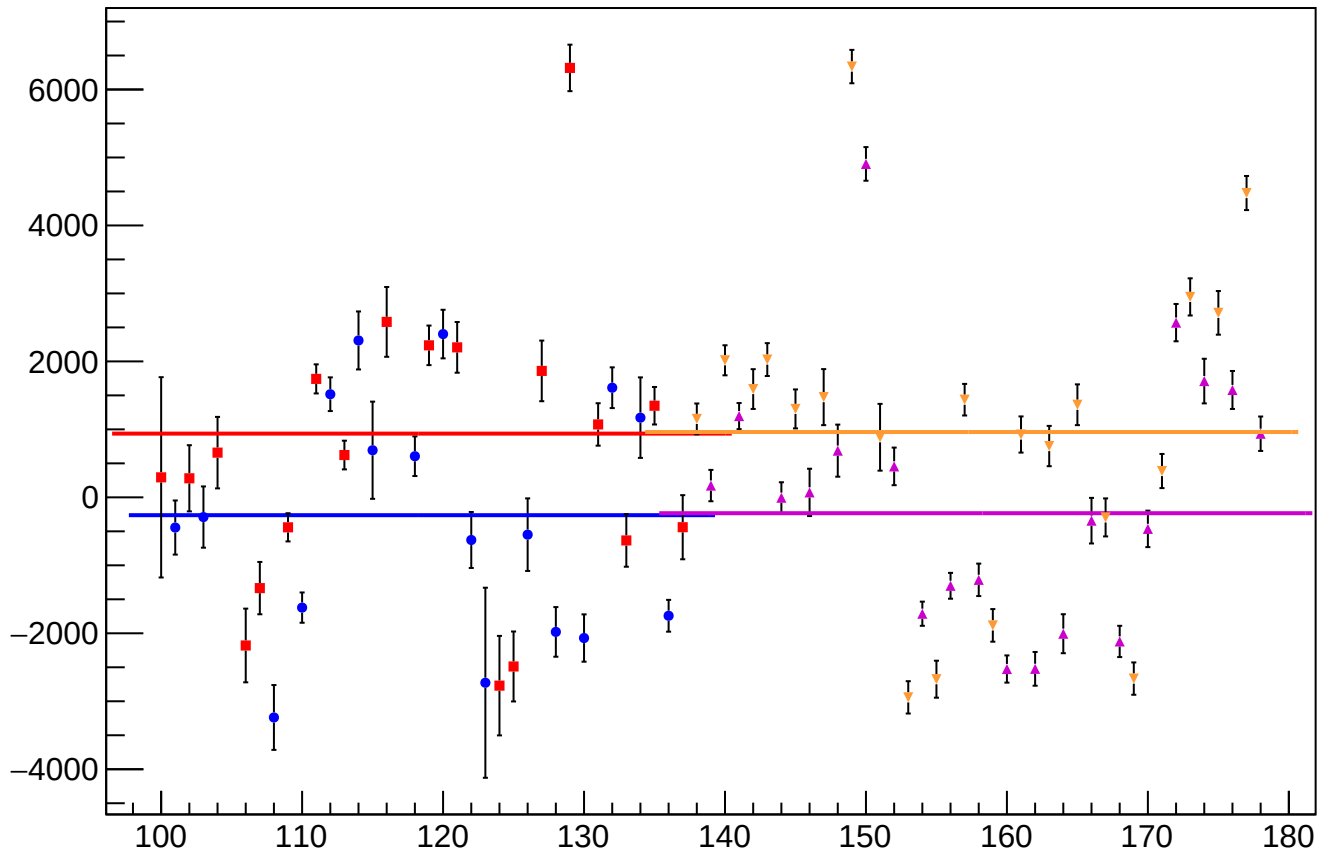
Left In: 200.192 $\pm$ 0.037 χ^2 /NDF: 1058749.0/19

+ sign 213.067 $\pm$ 0.033 χ^2 /NDF: 1974796.7/37

All: 203.774 $\pm$ 0.022 χ^2 /NDF: 4617778.2/76

- 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: 961.011 ± 58.070 χ^2/NDF : 1661.8/20

Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

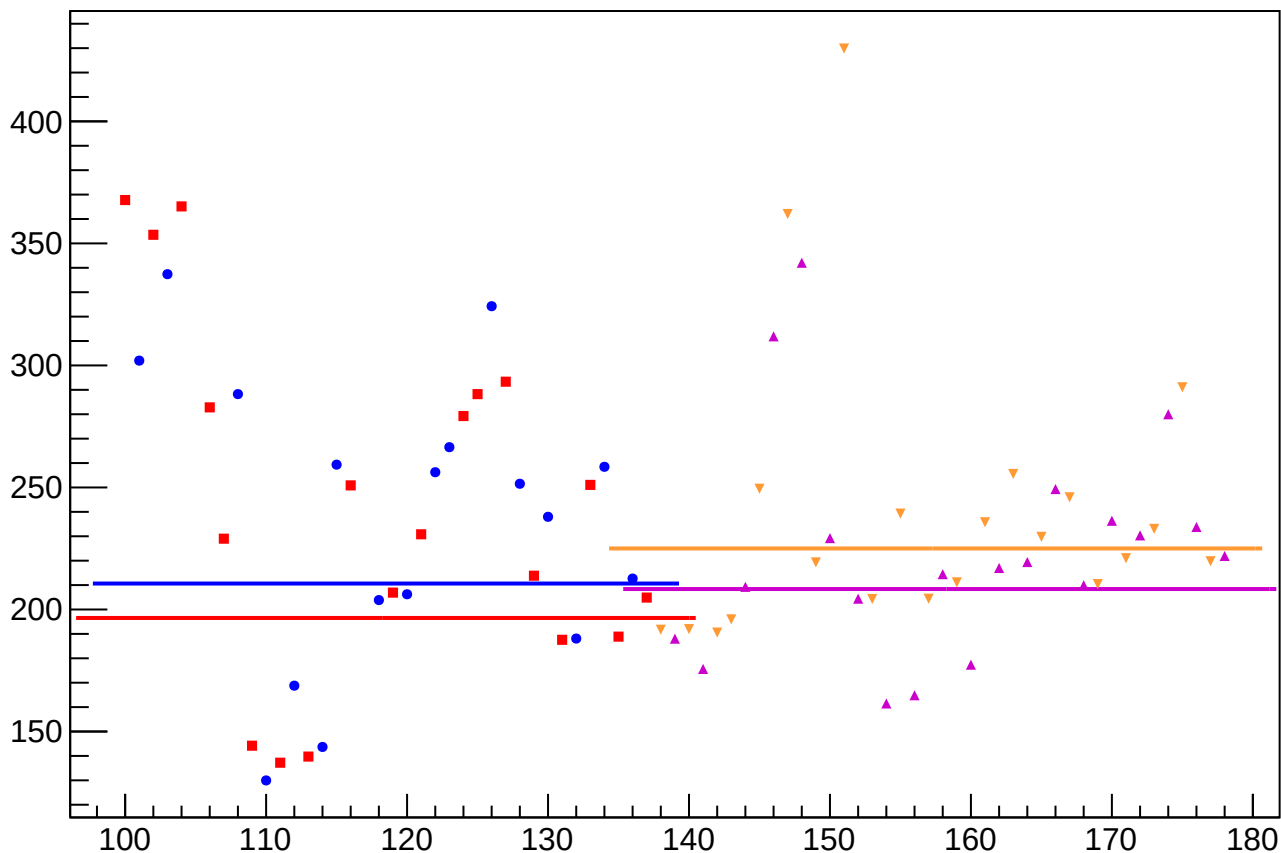
Left In: -233.213 ± 54.837 χ^2/NDF : 1146.4/19

+ sign 574.423 ± 48.026 χ^2/NDF : 2170.8/37

All: 348.794 ± 32.815 χ^2/NDF : 4030.2/76

- 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: 225.005+/-0.041 χ^2/NDF : 903469.0/20

Right Out: 196.528+/-0.055 χ^2/NDF : 1205091.0/18

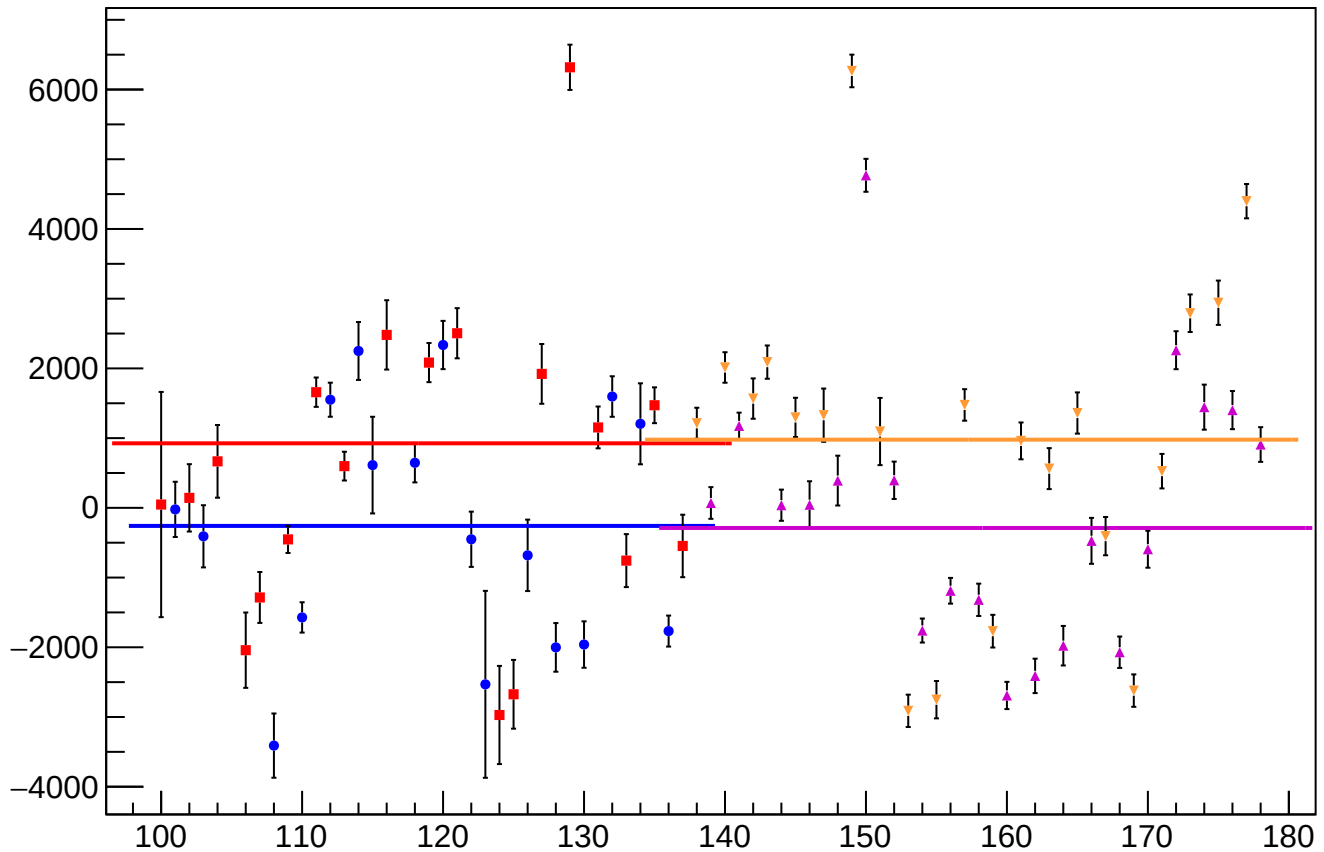
Left In: 208.382+/-0.039 χ^2/NDF : 989385.6/19

+ sign 220.464+/-0.034 χ^2/NDF : 1817941.8/37

All: 211.948+/-0.023 χ^2/NDF : 4161059.3/76

- 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: 977.988 ± 56.926 χ^2/NDF : 1728.0/20

Right Out: 925.534 ± 75.503 χ^2/NDF : 581.9/18

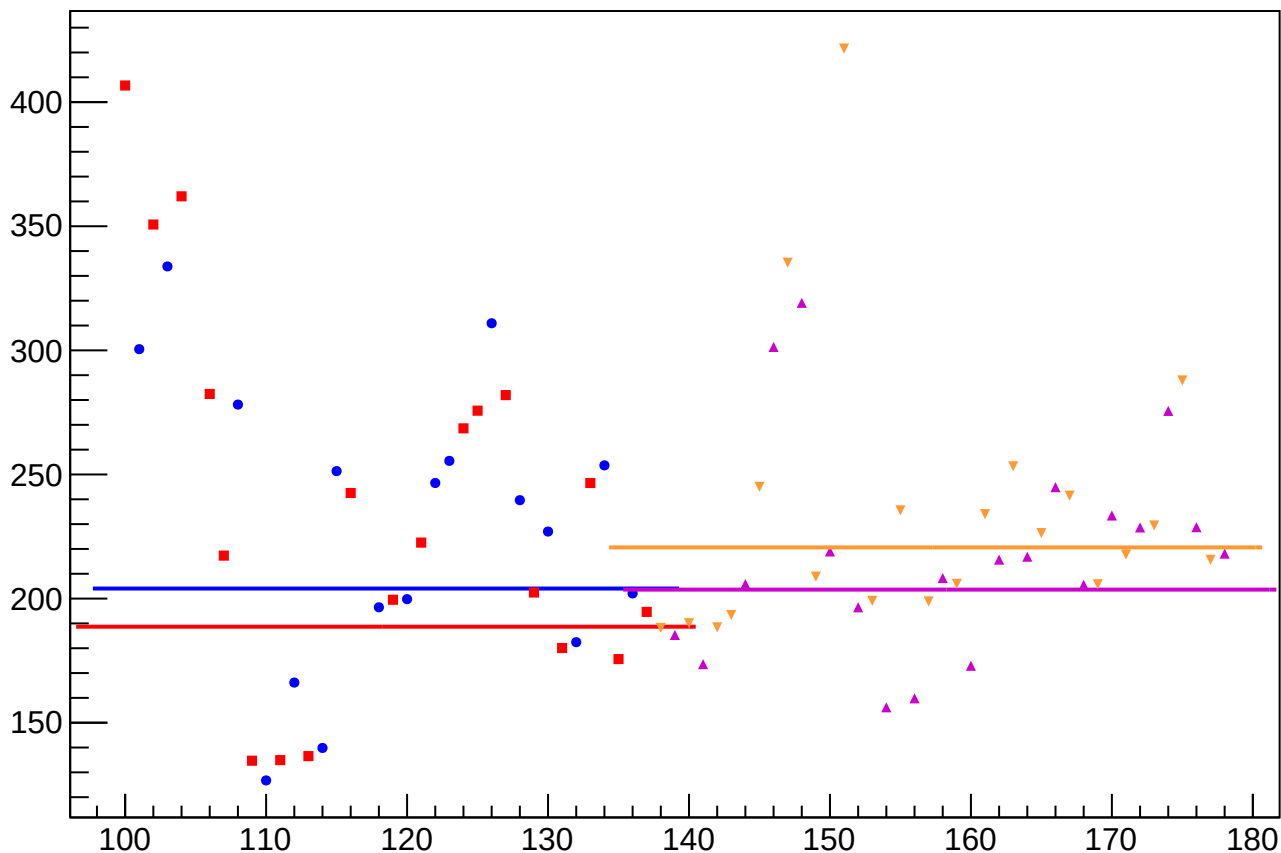
Left In: -288.827 ± 53.599 χ^2/NDF : 1152.4/19

+ sign 580.927 ± 46.910 χ^2/NDF : 2270.8/37

All: 333.160 ± 31.977 χ^2/NDF : 4229.2/76

- 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: 220.620+/-0.040 χ^2/NDF : 873570.6/20

Right Out: 188.681+/-0.053 χ^2/NDF : 1251107.4/18

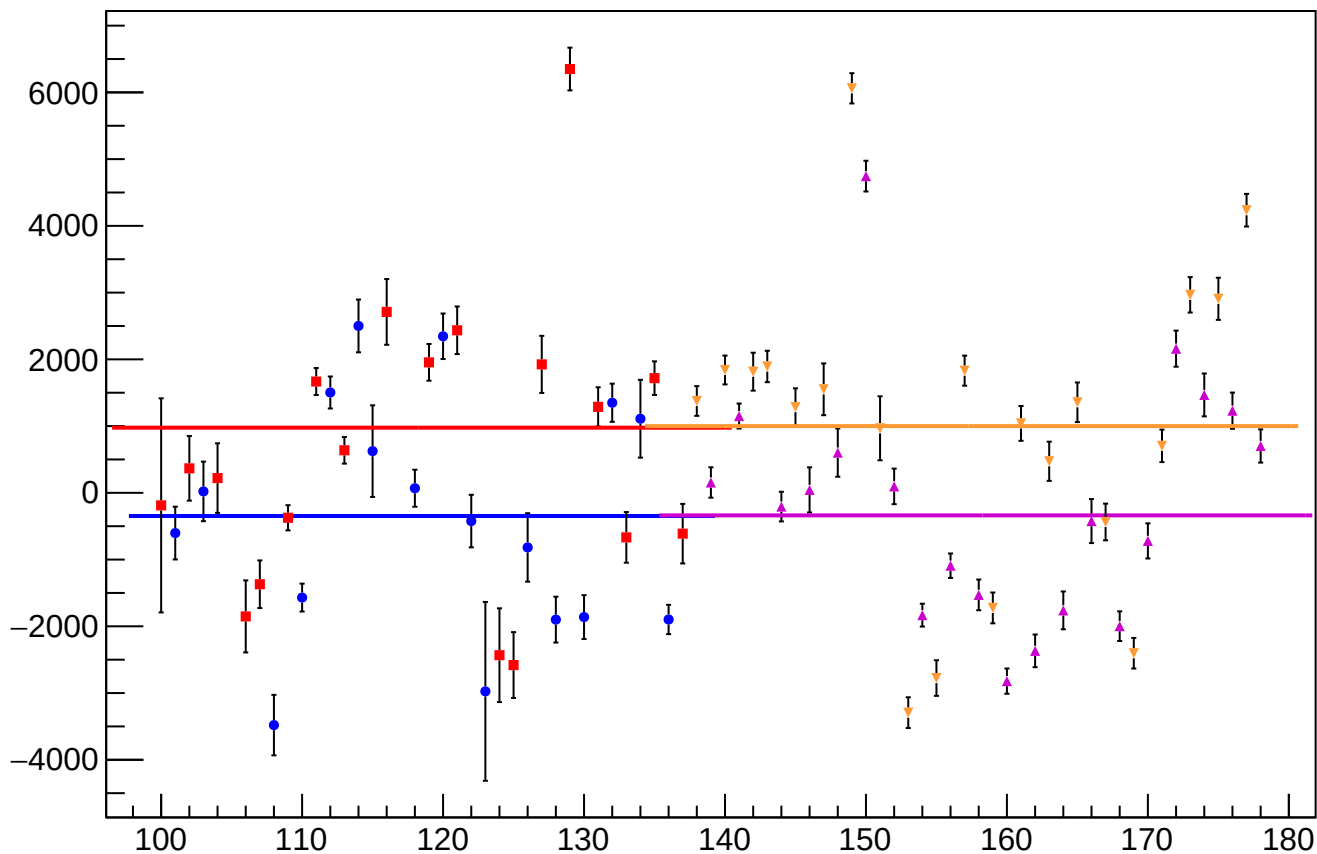
Left In: 203.618+/-0.038 χ^2/NDF : 971168.8/19

+ sign 215.302+/-0.033 χ^2/NDF : 1796375.2/37

All: 206.368+/-0.023 χ^2/NDF : 4206223.3/76

- 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: 999.891 ± 56.401 χ^2/NDF : 1763.6/20

Right Out: 976.286 ± 73.889 χ^2/NDF : 585.7/18

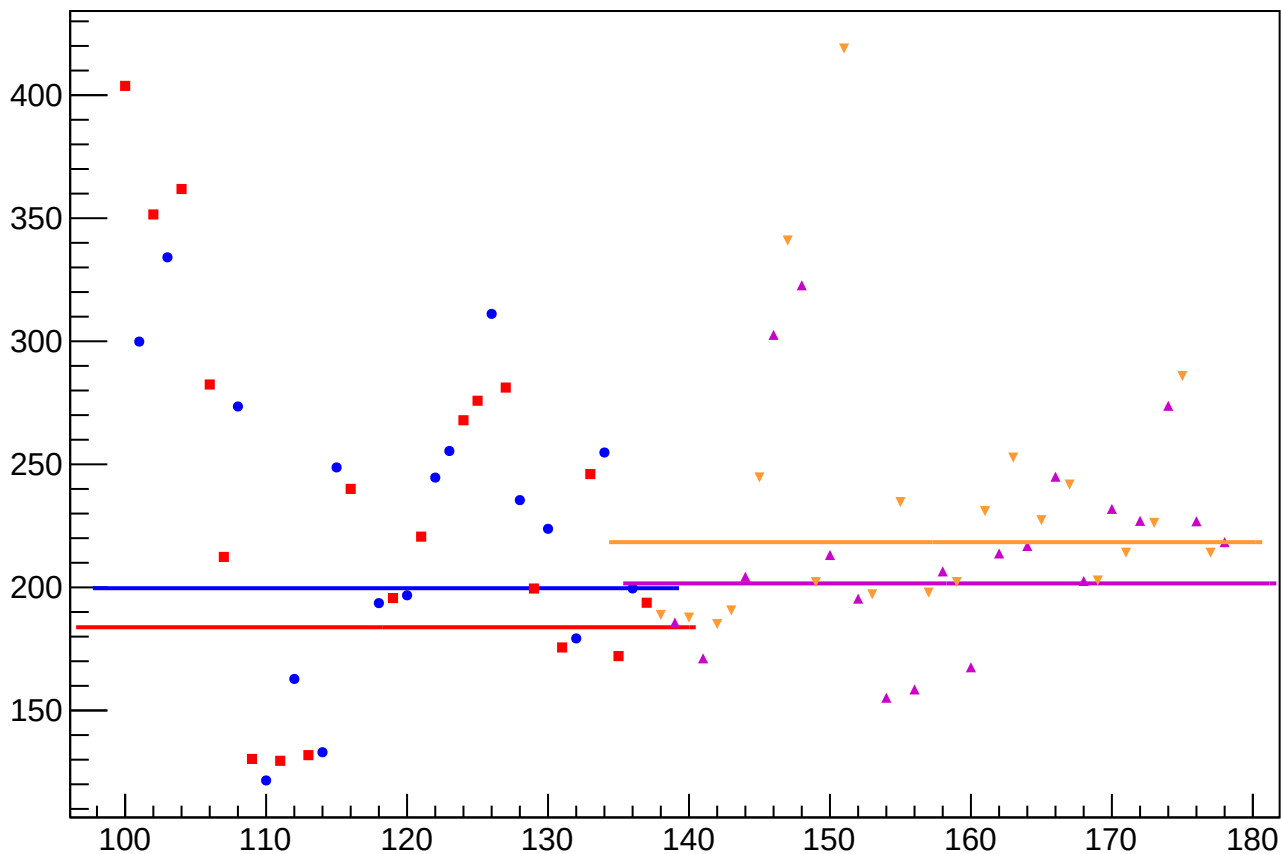
Left In: -337.782 ± 53.120 χ^2/NDF : 1179.0/19

+ sign 562.330 ± 46.345 χ^2/NDF : 2347.9/37

All: 319.926 ± 31.573 χ^2/NDF : 4372.2/76

- 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: 218.381 $\pm$ 0.040 χ^2 /NDF: 911135.4/20

Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

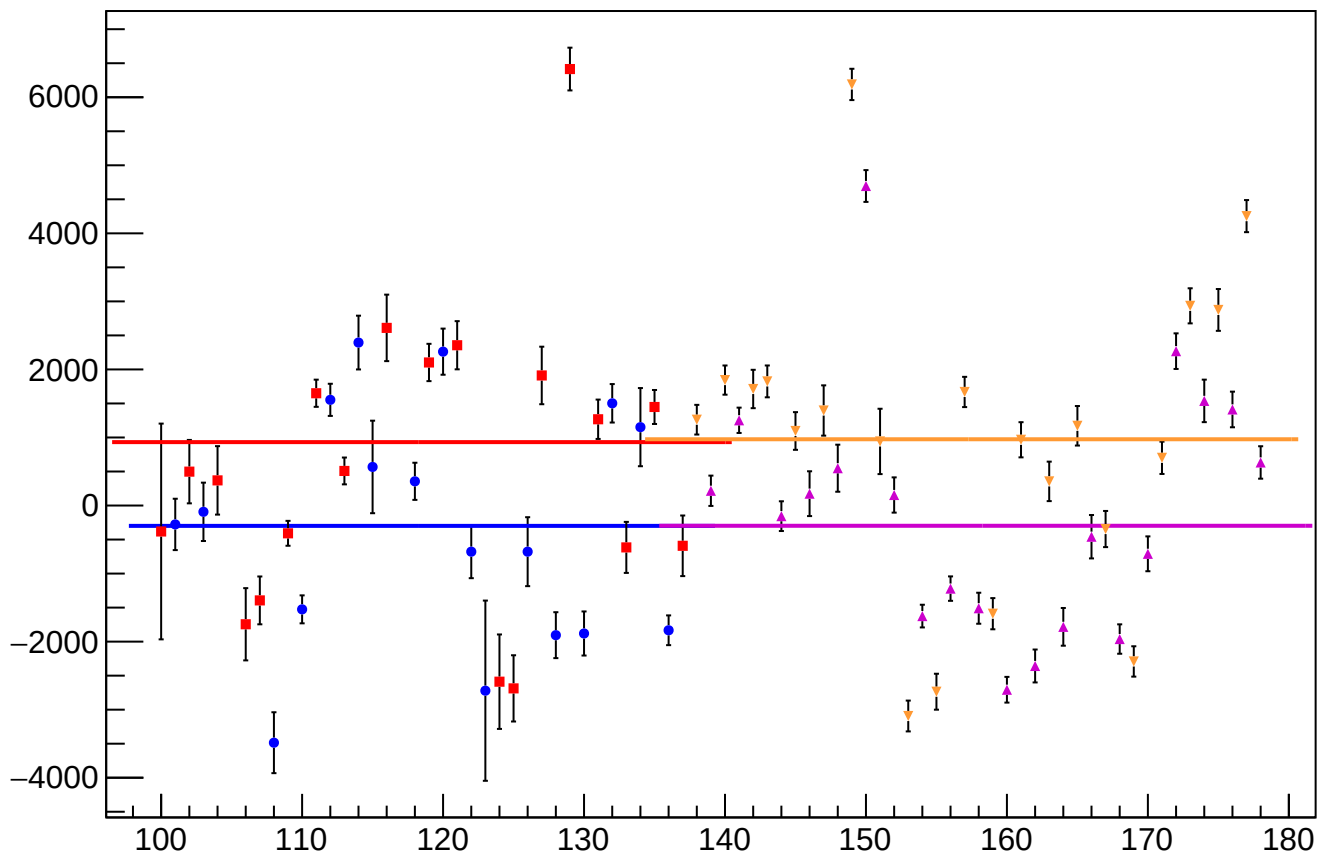
Left In: 201.622 $\pm$ 0.038 χ^2 /NDF: 1013065.5/19

+ sign 212.303 $\pm$ 0.033 χ^2 /NDF: 1925790.0/37

All: 203.327 $\pm$ 0.022 χ^2 /NDF: 4505127.1/76

- 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: 973.879 ± 55.499 χ^2/NDF : 1743.1/20

Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

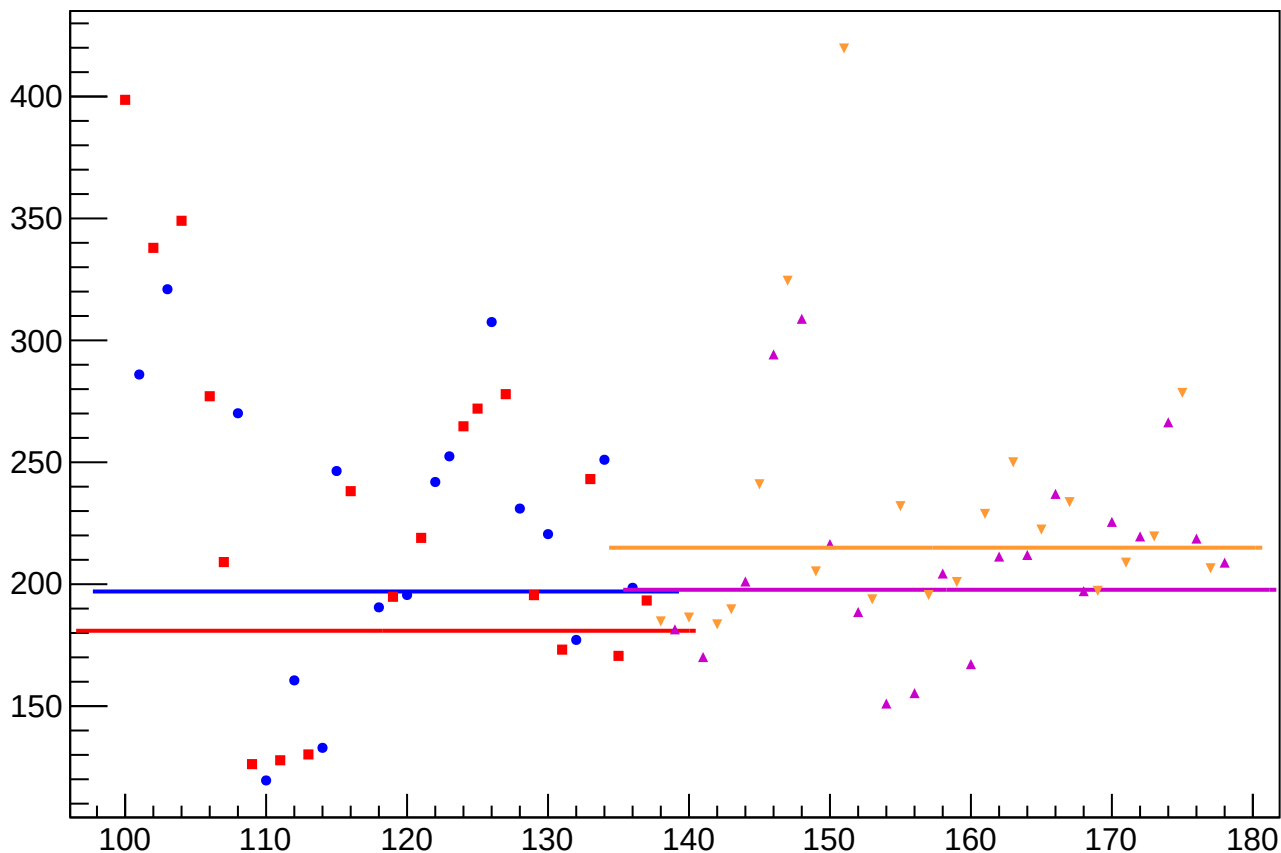
Left In: -297.553 ± 52.076 χ^2/NDF : 1175.8/19

+ sign 561.453 ± 45.630 χ^2/NDF : 2320.1/37

All: 323.707 ± 31.039 χ^2/NDF : 4350.1/76

- sign 118.960 ± 42.345 χ^2/NDF : 1979.5/38

asym_bpm0l08WS_rms vs Slug



Right In: 197.013 $\pm$ 0.057 χ^2 /NDF: 911923.5/16

Left Out: 214.975 $\pm$ 0.039 χ^2 /NDF: 880008.1/20

Right Out: 180.906 $\pm$ 0.051 χ^2 /NDF: 1345685.7/18

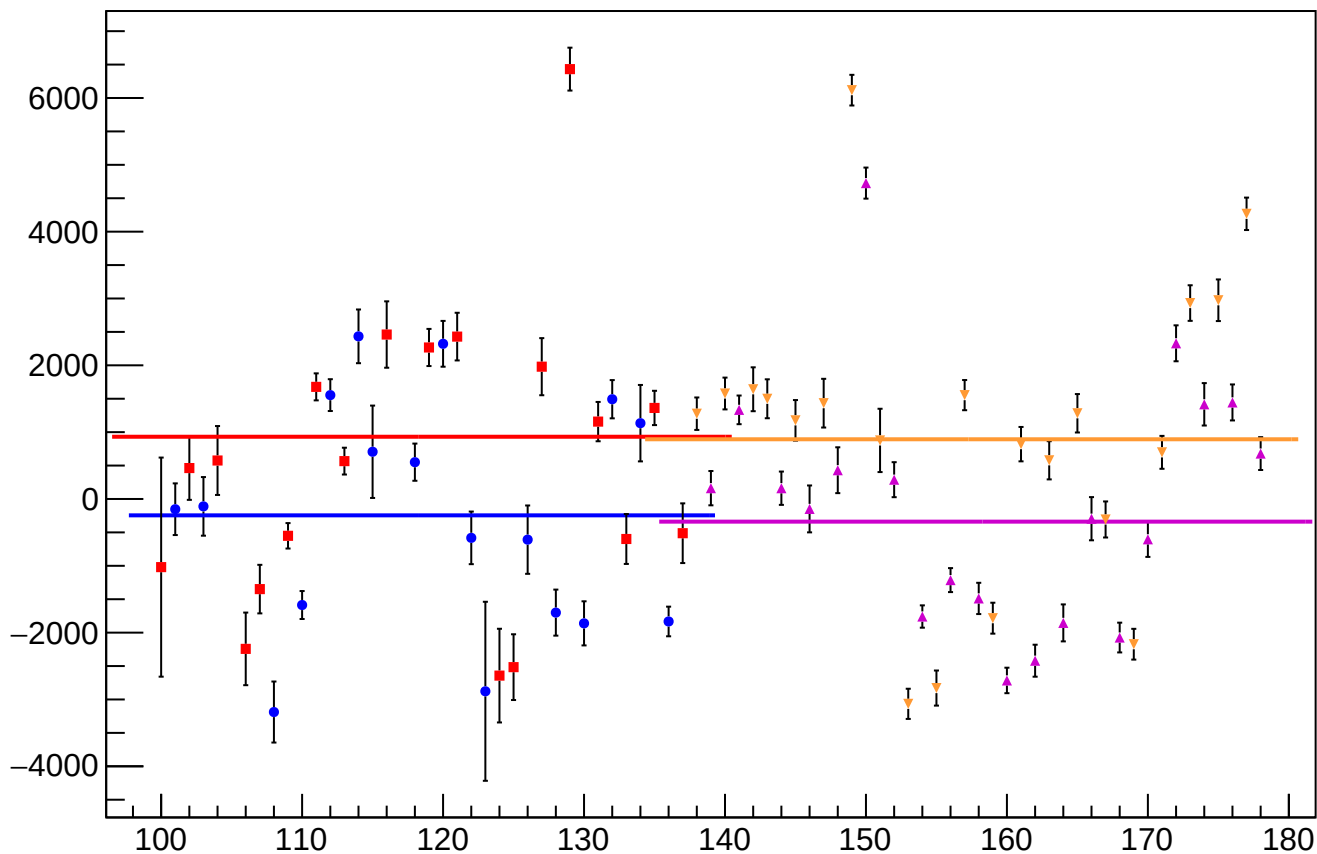
Left In: 197.717 $\pm$ 0.037 χ^2 /NDF: 964549.3/19

+ sign 209.155 $\pm$ 0.032 χ^2 /NDF: 1859810.4/37

All: 199.950 $\pm$ 0.022 χ^2 /NDF: 4392164.3/76

- sign 192.022 $\pm$ 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: 893.333 ± 57.743 χ^2/NDF : 1690.3/20

Right Out: 931.272 ± 74.206 χ^2/NDF : 609.7/18

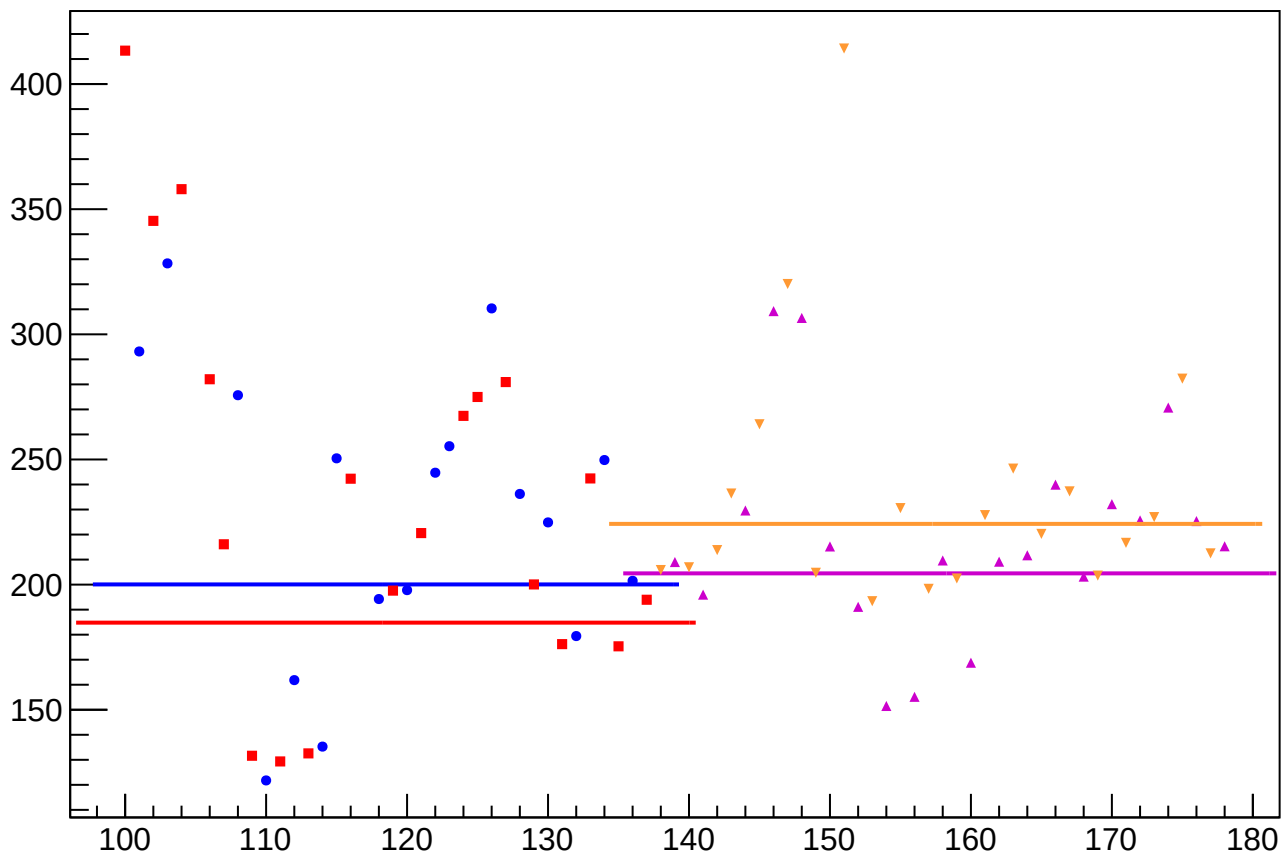
Left In: -339.138 ± 53.899 χ^2/NDF : 1187.8/19

+ sign 512.265 ± 47.095 χ^2/NDF : 2211.8/37

All: 290.111 ± 31.998 χ^2/NDF : 4242.5/76

- 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: 224.266 $\pm$ 0.041 χ^2 /NDF: 728969.2/20

Right Out: 184.807 $\pm$ 0.052 χ^2 /NDF: 1318267.6/18

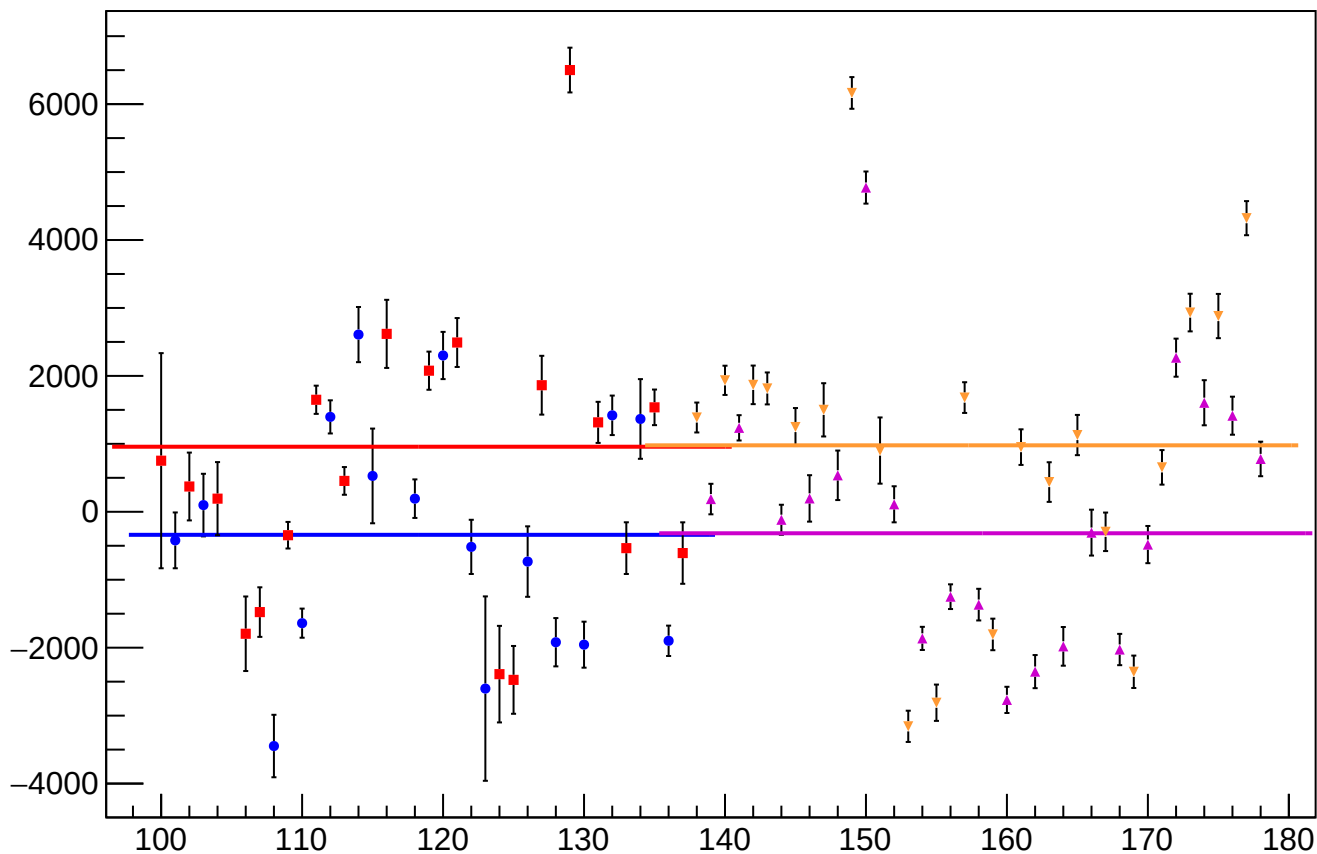
Left In: 204.495 $\pm$ 0.038 χ^2 /NDF: 976132.7/19

+ sign 216.168 $\pm$ 0.033 χ^2 /NDF: 1764761.6/37

All: 206.223 $\pm$ 0.023 χ^2 /NDF: 4316983.0/76

- 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: 978.190 ± 57.051 χ^2/NDF : 1702.6/20

Right Out: 957.615 ± 75.749 χ^2/NDF : 570.3/18

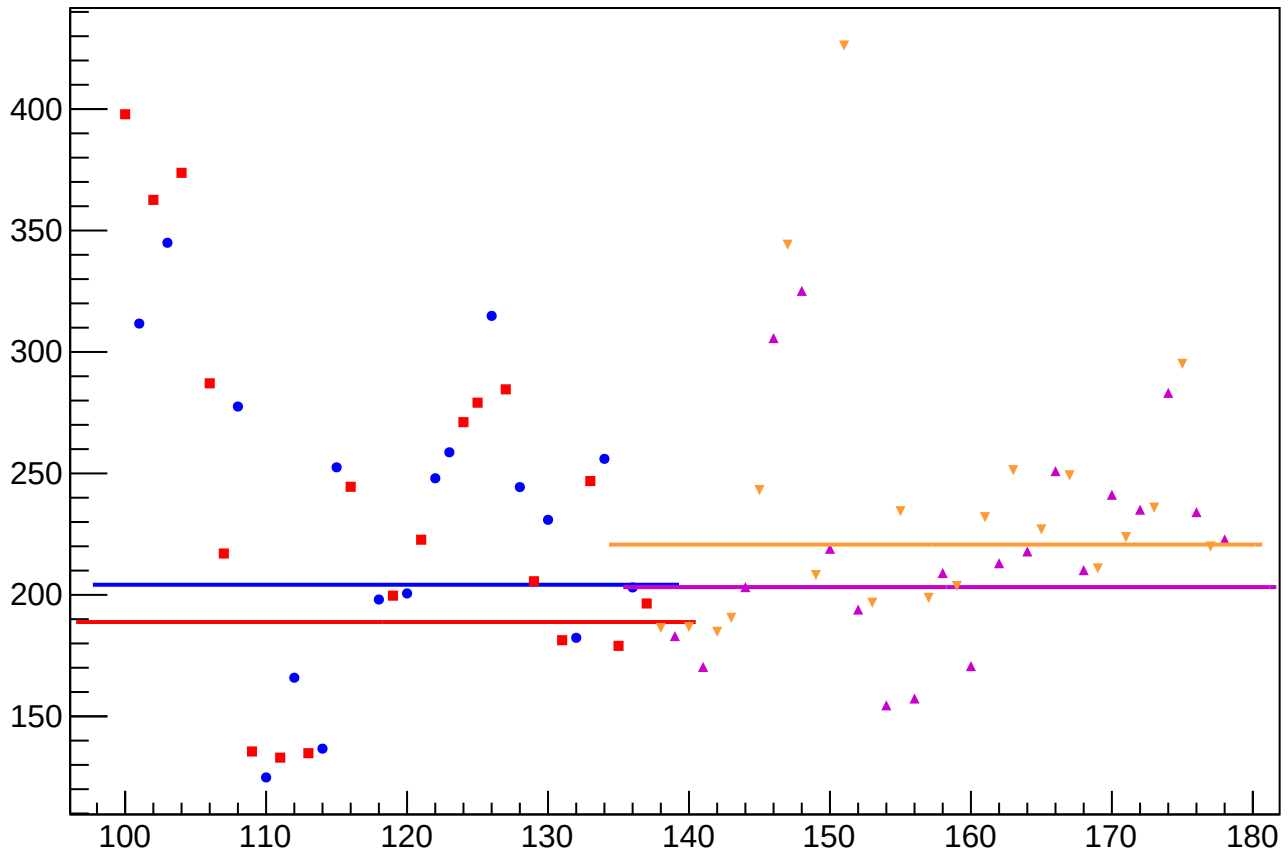
Left In: -316.098 ± 53.641 χ^2/NDF : 1174.7/19

+ sign 556.407 ± 47.038 χ^2/NDF : 2262.7/37

All: 316.821 ± 32.046 χ^2/NDF : 4244.4/76

- 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: 220.706 $\pm$ 0.040 χ^2 /NDF: 953625.9/20

Right Out: 188.821 $\pm$ 0.054 χ^2 /NDF: 1314891.2/18

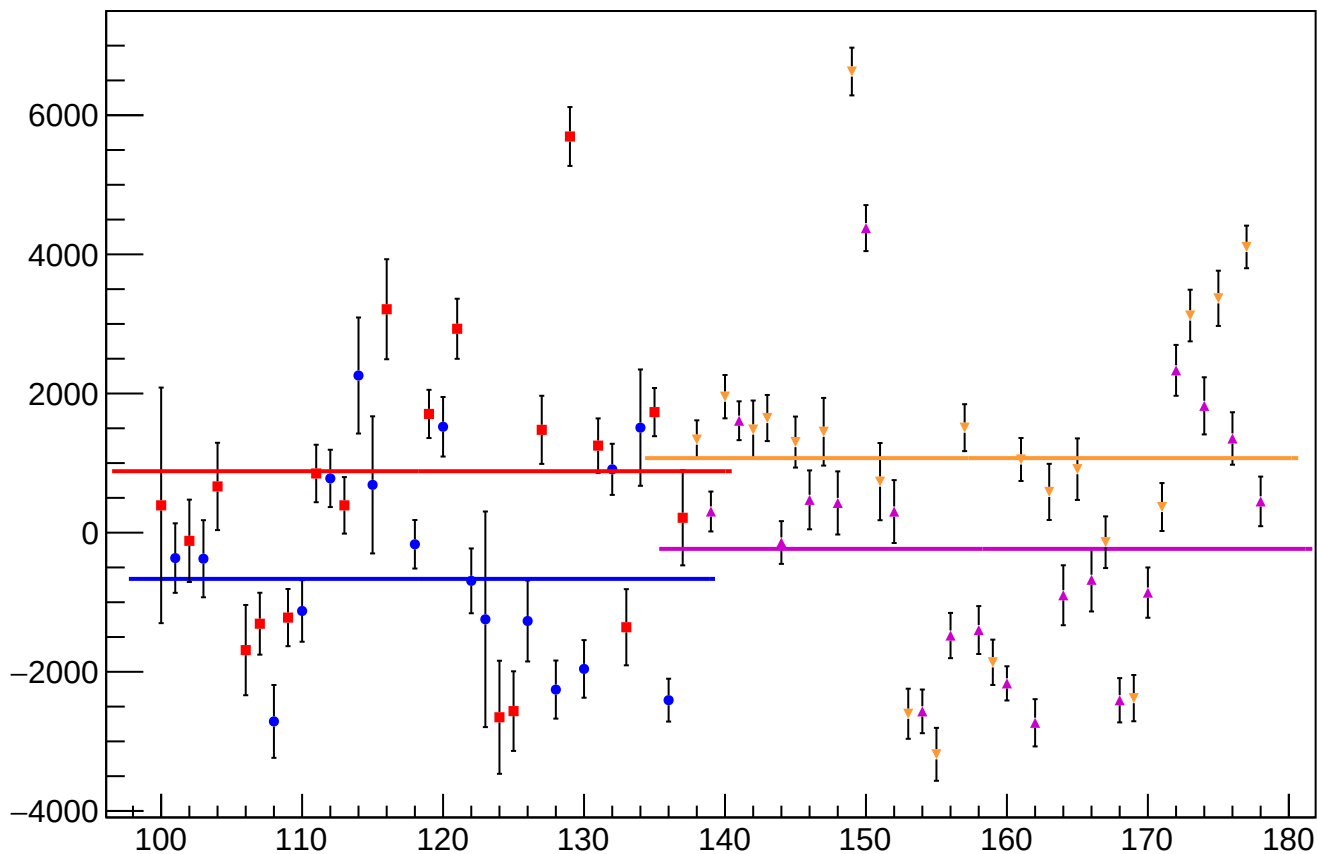
Left In: 203.210 $\pm$ 0.038 χ^2 /NDF: 1109864.5/19

+ sign 215.412 $\pm$ 0.033 χ^2 /NDF: 1954834.4/37

All: 206.298 $\pm$ 0.023 χ^2 /NDF: 4567774.3/76

- 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: 1071.623 ± 77.803 $\chi^2/\text{NDF}: 875.5/20$

Right Out: 883.255 ± 110.875 $\chi^2/\text{NDF}: 320.1/18$

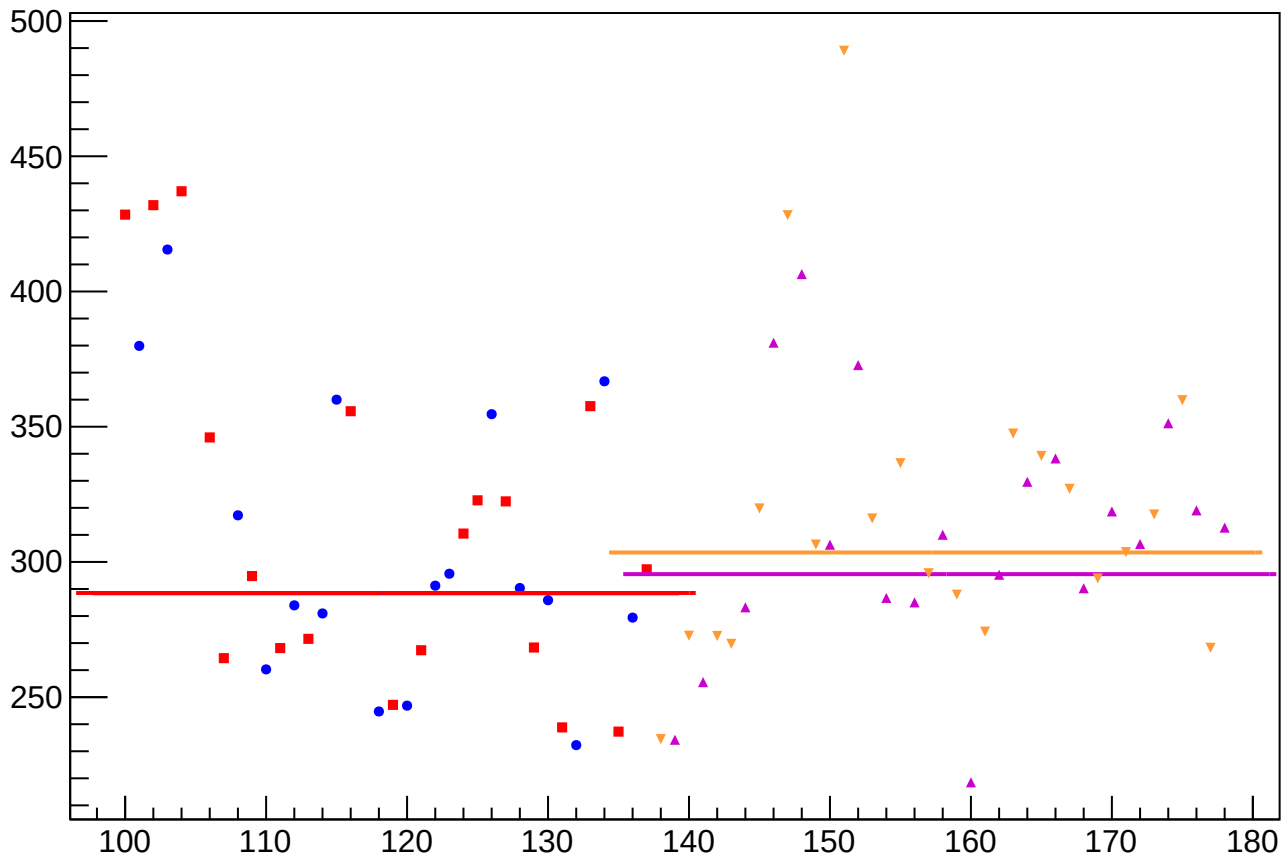
Left In: -232.937 ± 76.837 $\chi^2/\text{NDF}: 594.4/19$

+ sign 519.633 ± 64.254 $\chi^2/\text{NDF}: 1188.1/37$

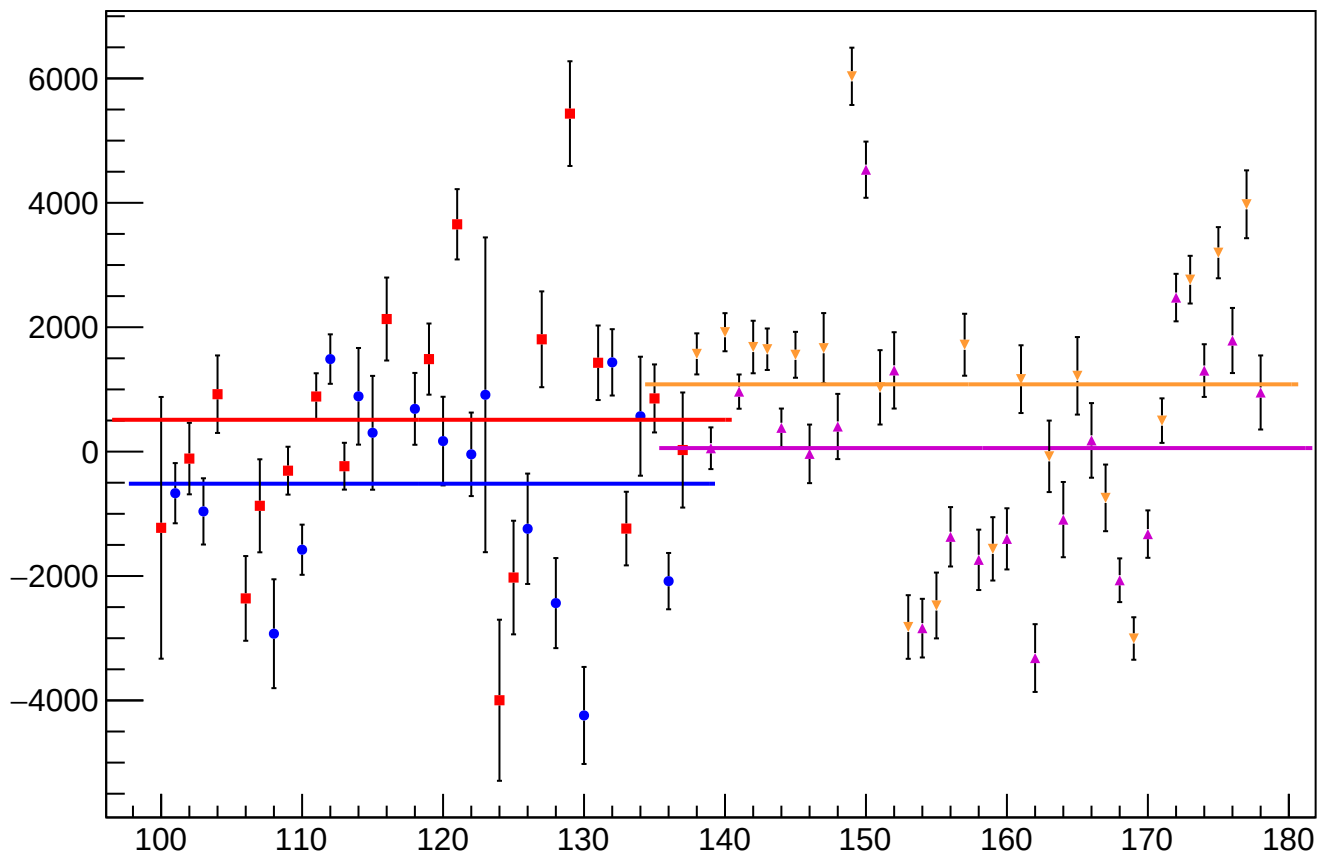
All: 321.050 ± 45.040 $\chi^2/\text{NDF}: 2189.8/76$

- sign 129.205 ± 63.154 $\chi^2/\text{NDF}: 982.9/38$

asym_bpm0r03WS_rms vs Slug



asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 $\chi^2/\text{NDF}: 108.0/16$

Left Out: 1081.831 ± 94.240 $\chi^2/\text{NDF}: 500.2/20$

Right Out: 511.851 ± 135.798 $\chi^2/\text{NDF}: 141.3/18$

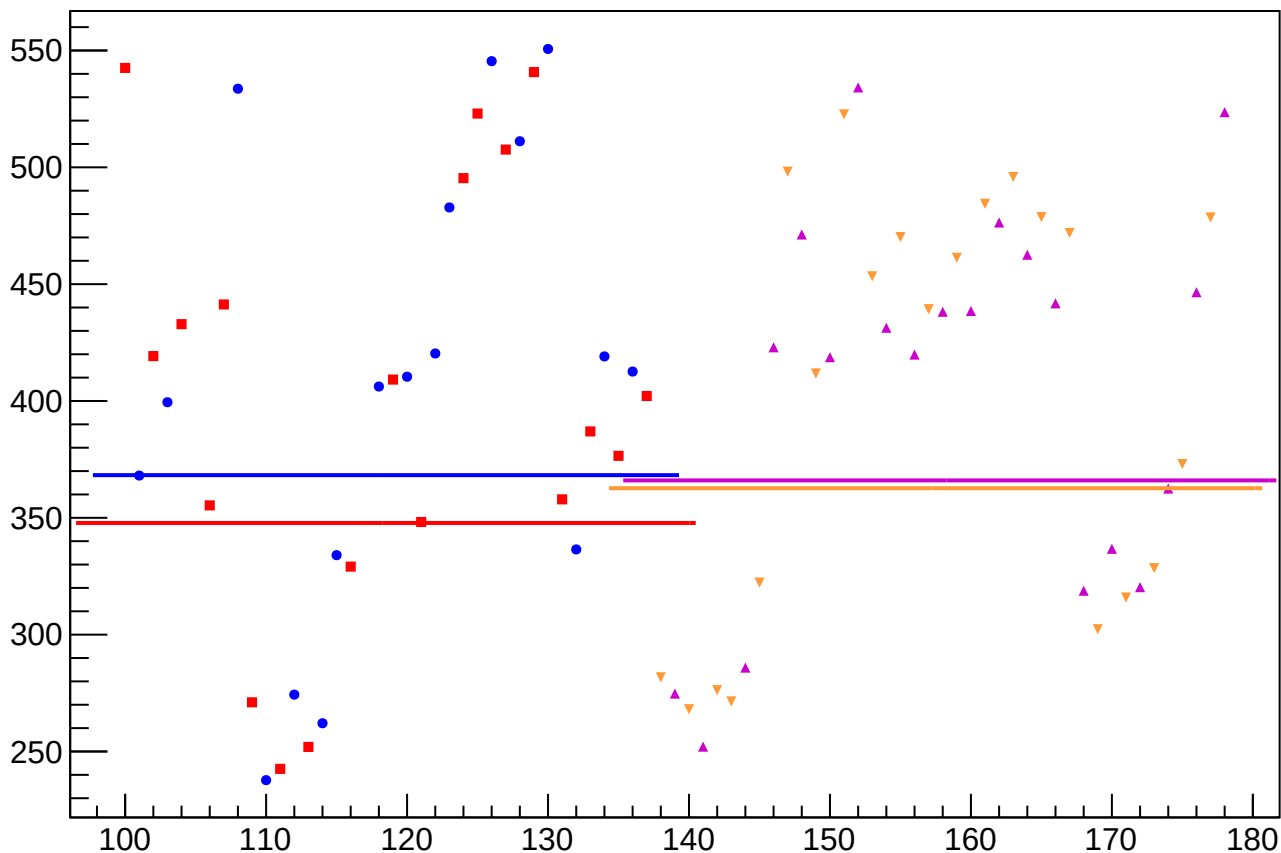
Left In: 56.999 ± 96.117 $\chi^2/\text{NDF}: 337.6/19$

+ sign 617.905 ± 79.388 $\chi^2/\text{NDF}: 691.6/37$

All: 410.938 ± 55.802 $\chi^2/\text{NDF}: 1191.5/76$

- sign 208.812 ± 78.454 $\chi^2/\text{NDF}: 486.4/38$

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 362.670+/-0.067 χ^2/NDF :1680892.7/20

Right Out: 347.802+/-0.096 χ^2/NDF : 821862.5/18

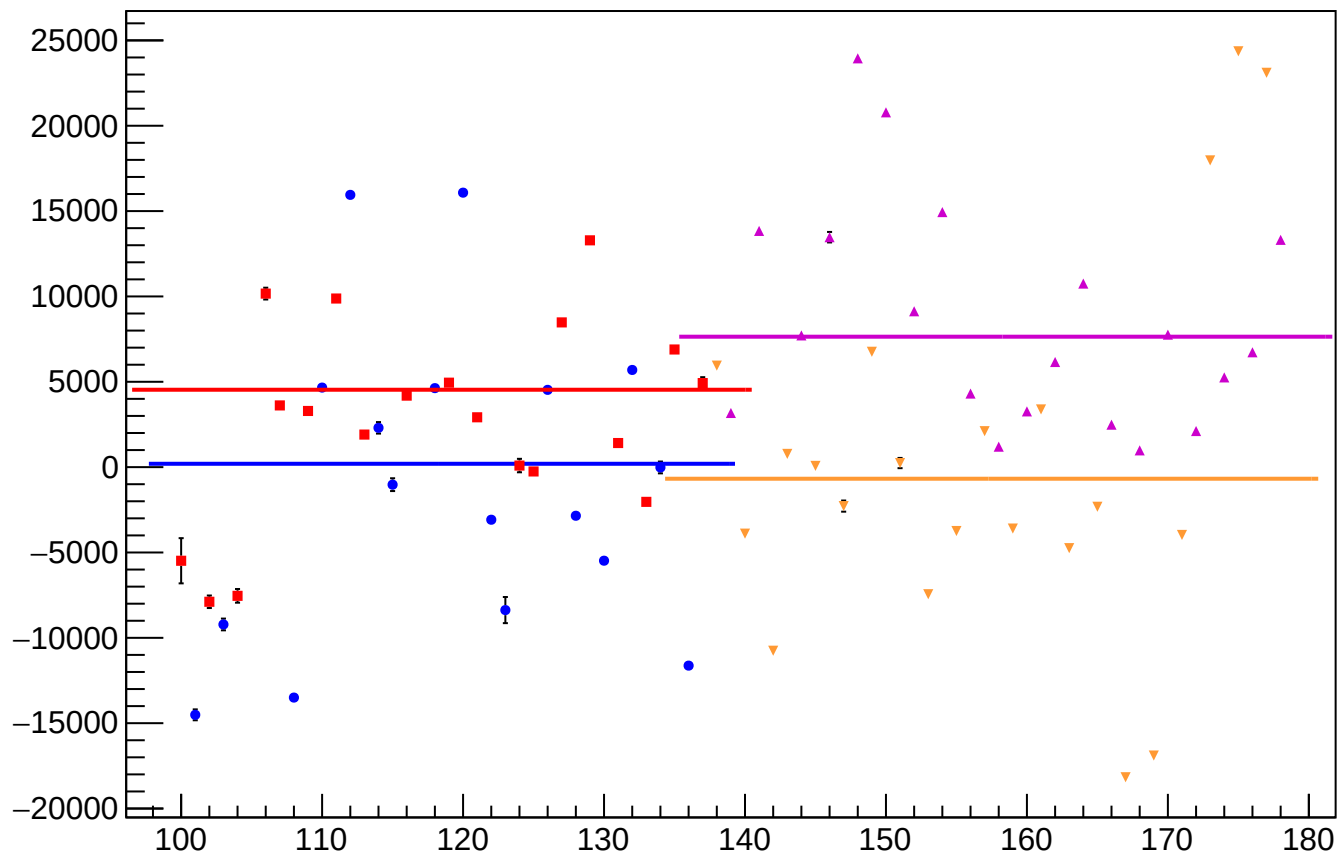
Left In: 366.012+/-0.068 χ^2/NDF :1492638.0/19

+ sign 364.295+/-0.056 χ^2/NDF : 2453055.3/37

All: 362.089+/-0.039 χ^2/NDF : 4794567.5/76

- sign 359.934+/-0.055 χ^2/NDF : 2338459.3/38

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 +/- 54.799 χ^2/NDF : 30658.3/16

Left Out: -679.019 +/- 44.315 χ^2/NDF : 52869.3/20

Right Out: 4534.200 +/- 52.462 χ^2/NDF : 7477.2/18

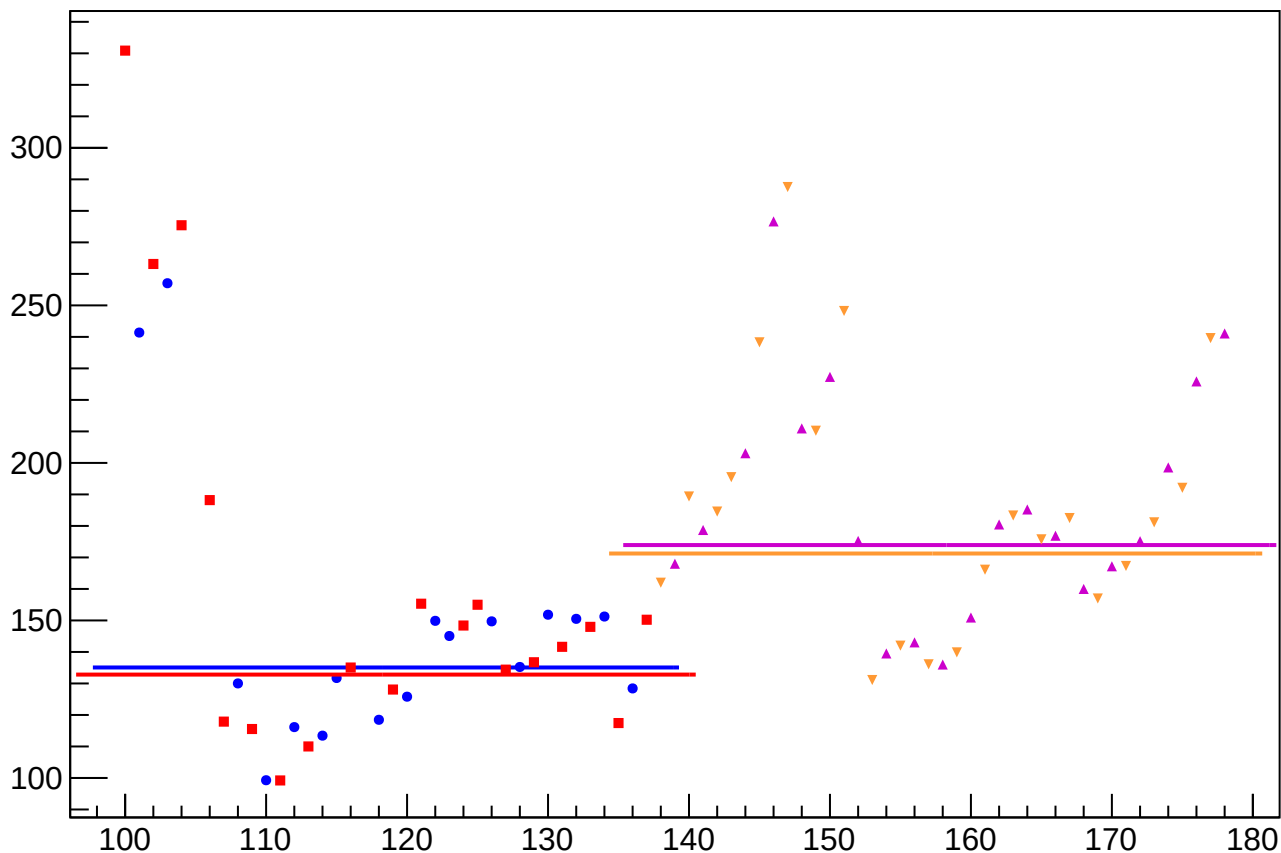
Left In: 7641.492 +/- 45.723 χ^2/NDF : 17736.2/19

+ sign -332.642 +/- 34.458 χ^2/NDF : 83682.1/37

All: 2982.635 +/- 24.369 χ^2/NDF : 129409.4/70

- sign 6300.104 +/- 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: 171.246 $\pm$ 0.031 χ^2 /NDF: 1181064.4/20

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

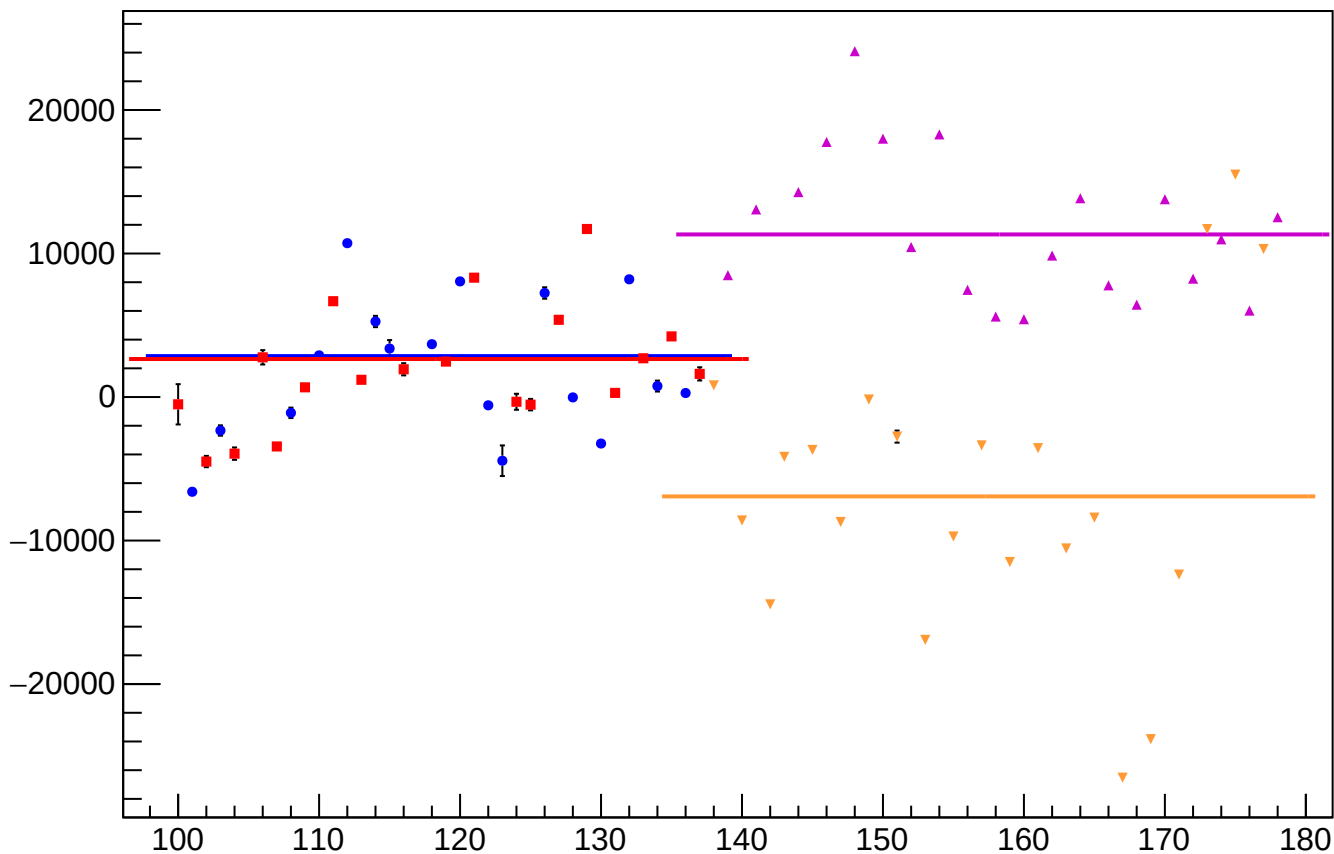
Left In: 173.928 $\pm$ 0.032 χ^2 /NDF: 977401.3/19

+ sign 156.943 $\pm$ 0.024 χ^2 /NDF: 2366702.9/37

All: 156.562 $\pm$ 0.017 χ^2 /NDF: 4873794.8/76

- 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: -6923.044 $\pm$ 49.472 χ^2 /NDF:44540.6/20

Right Out: 2649.142 $\pm$ 65.731 χ^2 /NDF: 3175.7/18

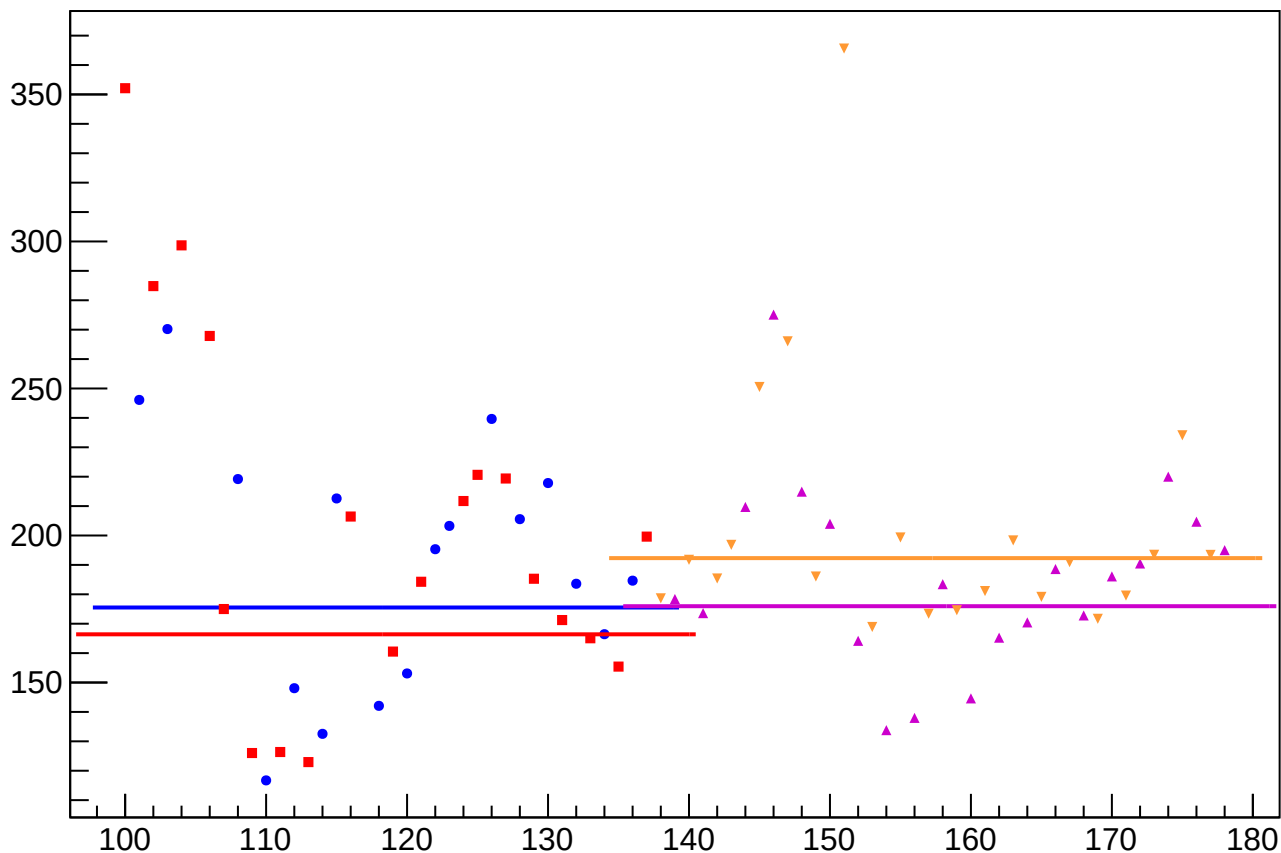
Left In: 11329.195 $\pm$ 46.225 χ^2 /NDF:11325.5/19

+ sign -3713.469 $\pm$ 40.544 χ^2 /NDF: 61537.0/37

All: 2795.628 $\pm$ 27.652 χ^2 /NDF: 135898.4/70

- 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: 192.308+/-0.035 χ^2/NDF : 711123.1/20

Right Out: 166.393+/-0.046 χ^2/NDF : 929534.5/18

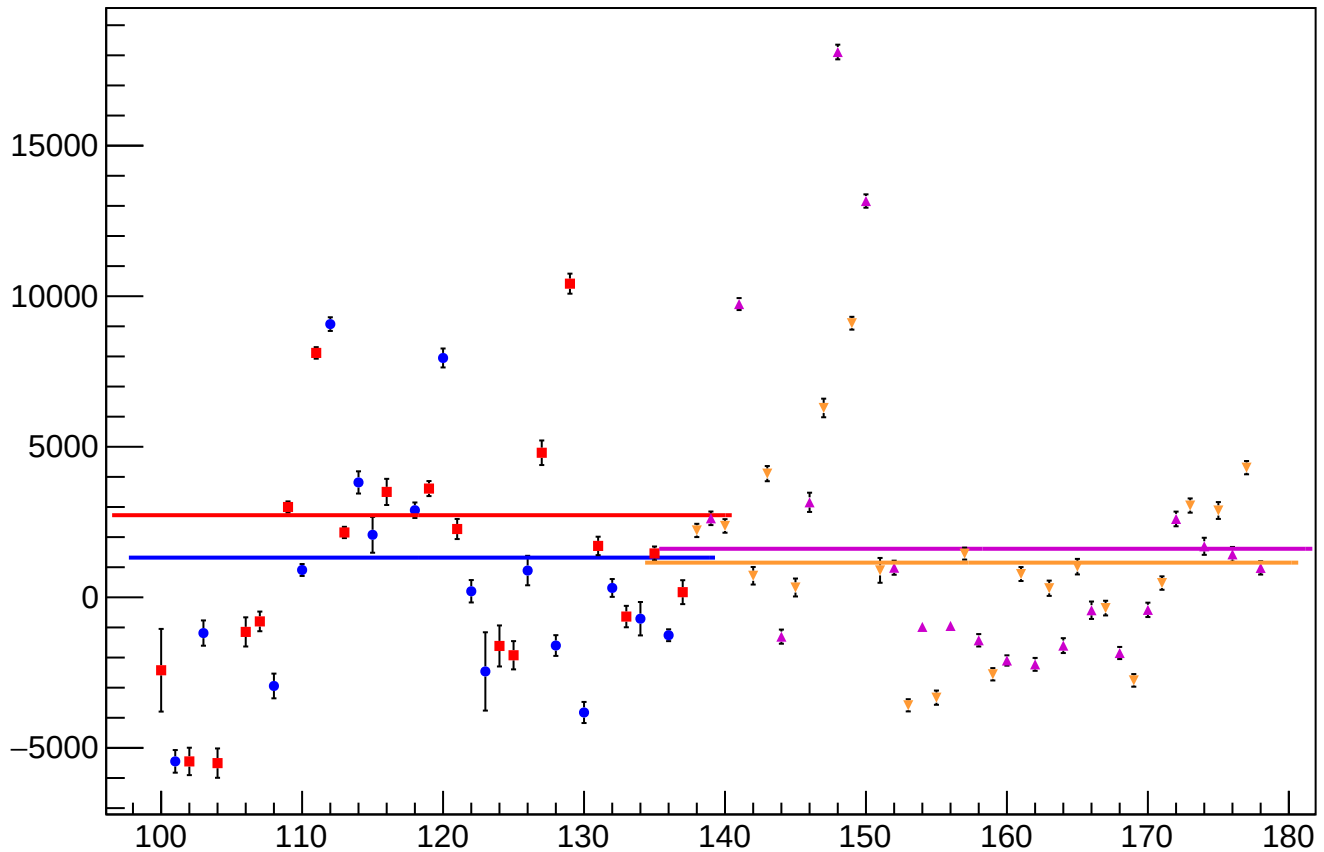
Left In: 175.955+/-0.033 χ^2/NDF : 822884.2/19

+ sign 186.793+/-0.029 χ^2/NDF : 1476438.5/37

All: 179.304+/-0.020 χ^2/NDF : 3384761.4/76

- 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: 1152.137+/-52.102 χ^2/NDF : 3820.0/20

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

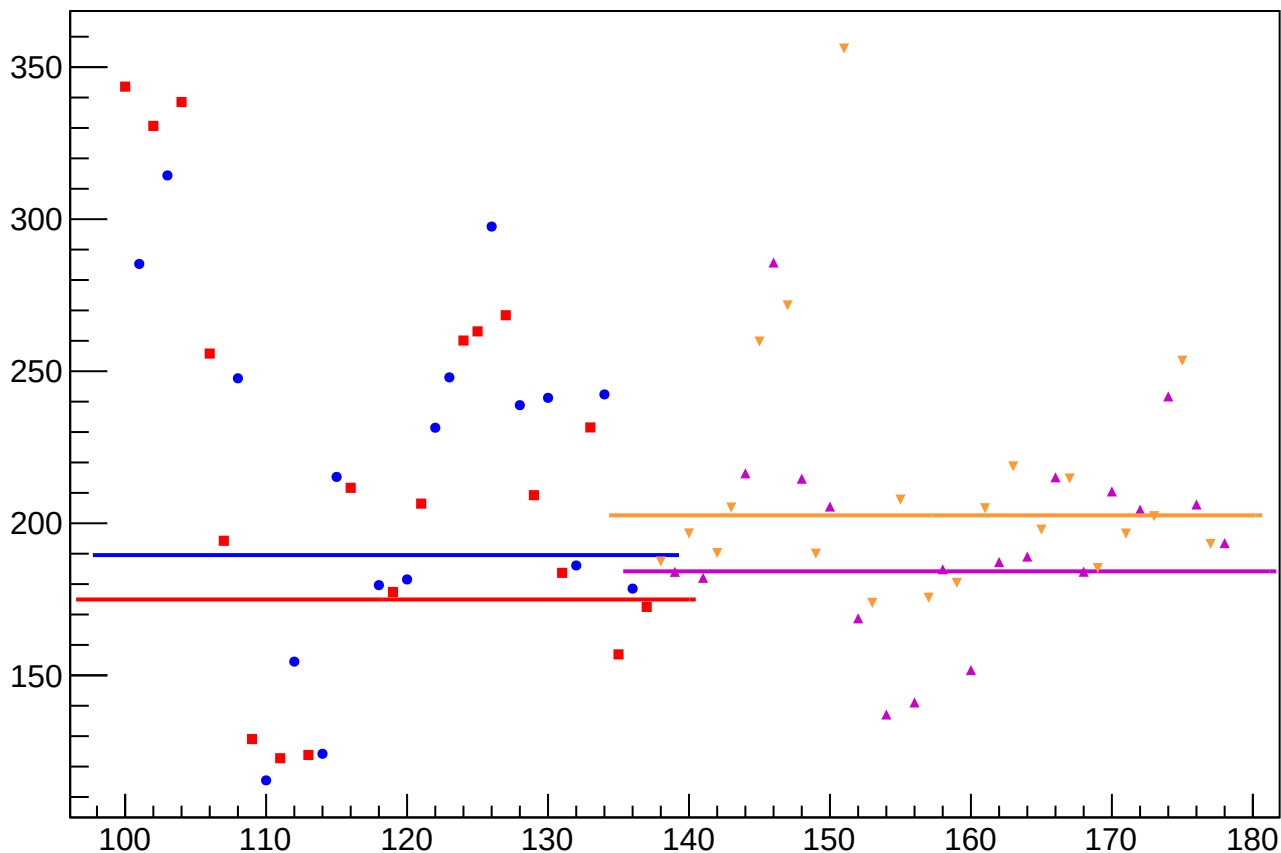
Left In: 1612.533+/-48.463 χ^2/NDF : 11312.3/19

+ sign 1204.409+/-43.177 χ^2/NDF : 6490.2/37

All: 1619.817+/-29.284 χ^2/NDF : 20641.3/76

- 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: 202.623+/-0.037 χ^2/NDF : 672848.7/20

Right Out: 174.944+/-0.050 χ^2/NDF : 1297106.6/18

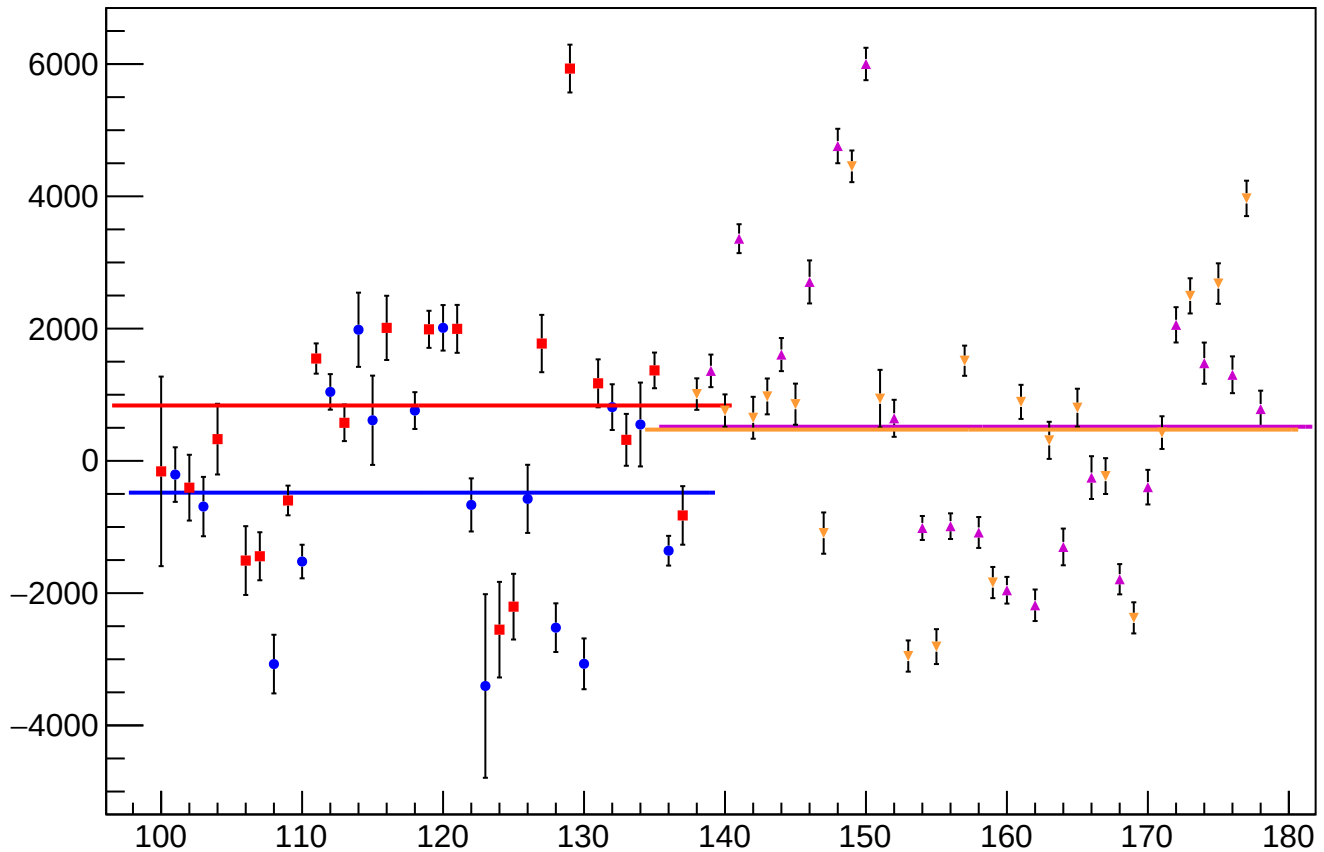
Left In: 184.200+/-0.034 χ^2/NDF : 867643.5/19

+ sign 198.526+/-0.031 χ^2/NDF : 1693069.1/37

All: 189.172+/-0.021 χ^2/NDF : 4055303.6/76

- 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: 472.752 ± 58.004 χ^2/NDF : 1234.5/20

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

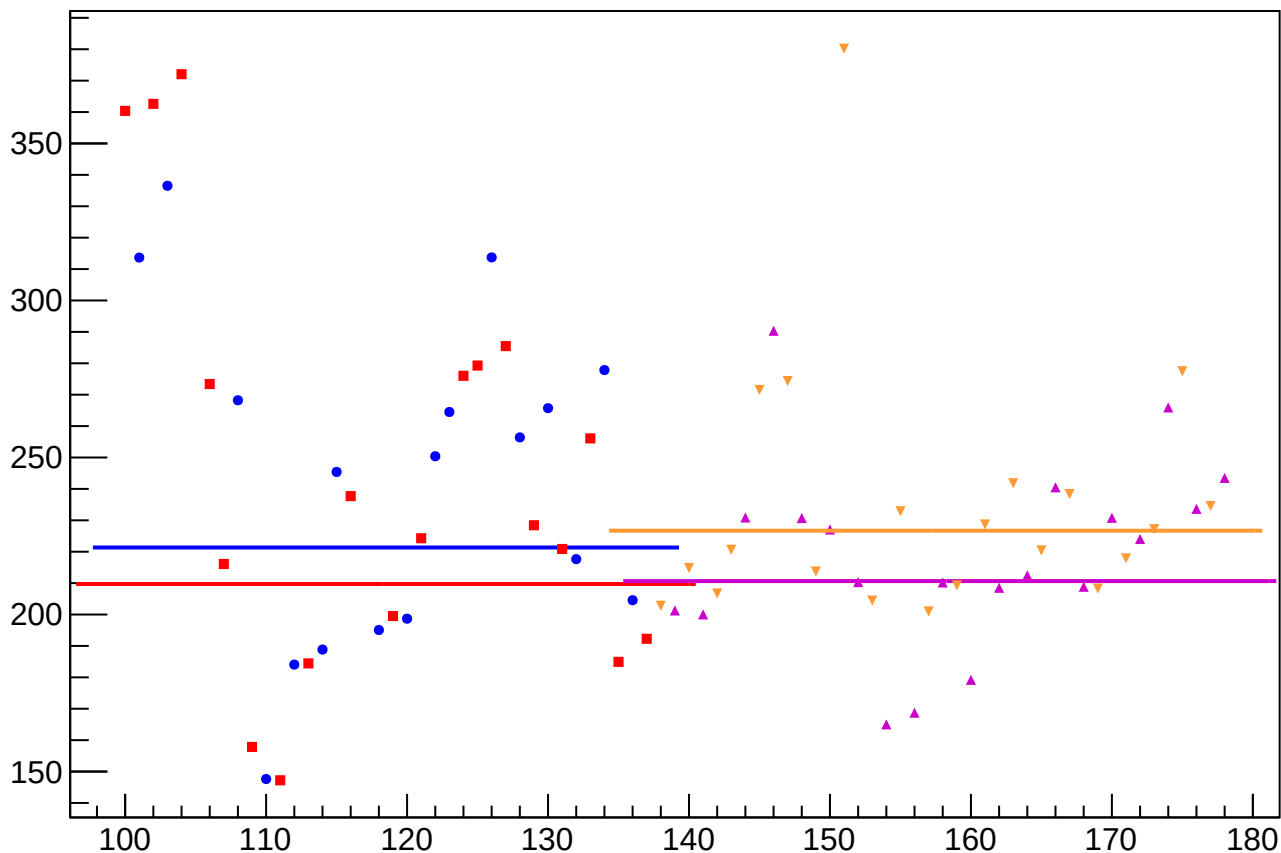
Left In: 516.322 ± 54.969 χ^2/NDF : 1682.9/19

+ sign 186.923 ± 48.536 χ^2/NDF : 1606.2/37

All: 414.081 ± 33.273 χ^2/NDF : 3776.2/76

- 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: 226.699 $\pm$ 0.041 χ^2 /NDF: 512754.4/20

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

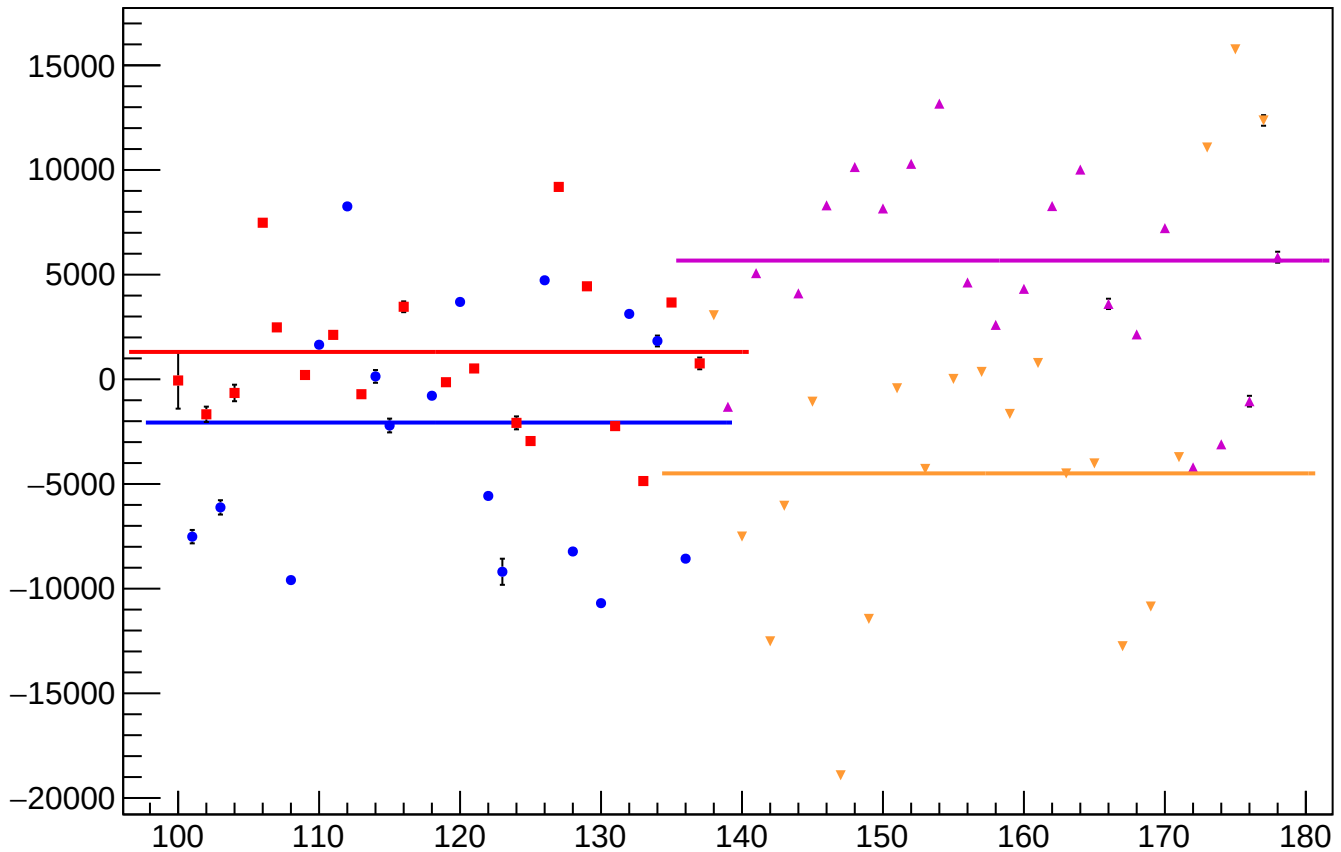
Left In: 210.646 $\pm$ 0.039 χ^2 /NDF: 569089.0/19

+ sign 225.093 $\pm$ 0.034 χ^2 /NDF: 1163556.1/37

All: 217.283 $\pm$ 0.024 χ^2 /NDF: 2714425.1/76

- 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: -4493.111 ± 34.797 $\chi^2/\text{NDF}: 49444.5/20$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

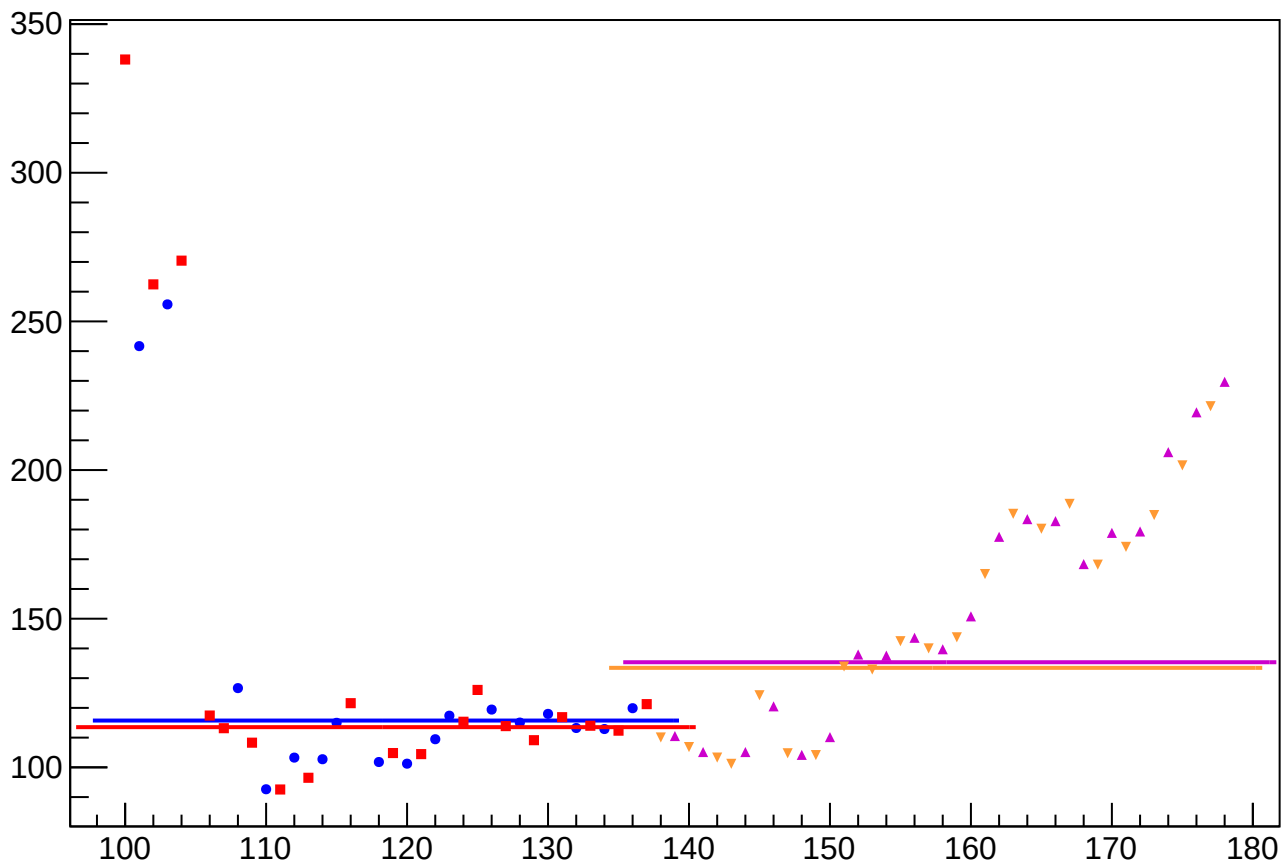
Left In: 5672.812 ± 35.753 $\chi^2/\text{NDF}: 14090.8/19$

+ sign -3641.039 ± 28.034 $\chi^2/\text{NDF}: 67686.4/37$

All: 176.992 ± 19.809 $\chi^2/\text{NDF}: 130481.5/76$

- sign 3984.008 ± 27.993 $\chi^2/\text{NDF}: 25751.2/38$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 133.469+/-0.025 χ^2/NDF : 1708605.7/20

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

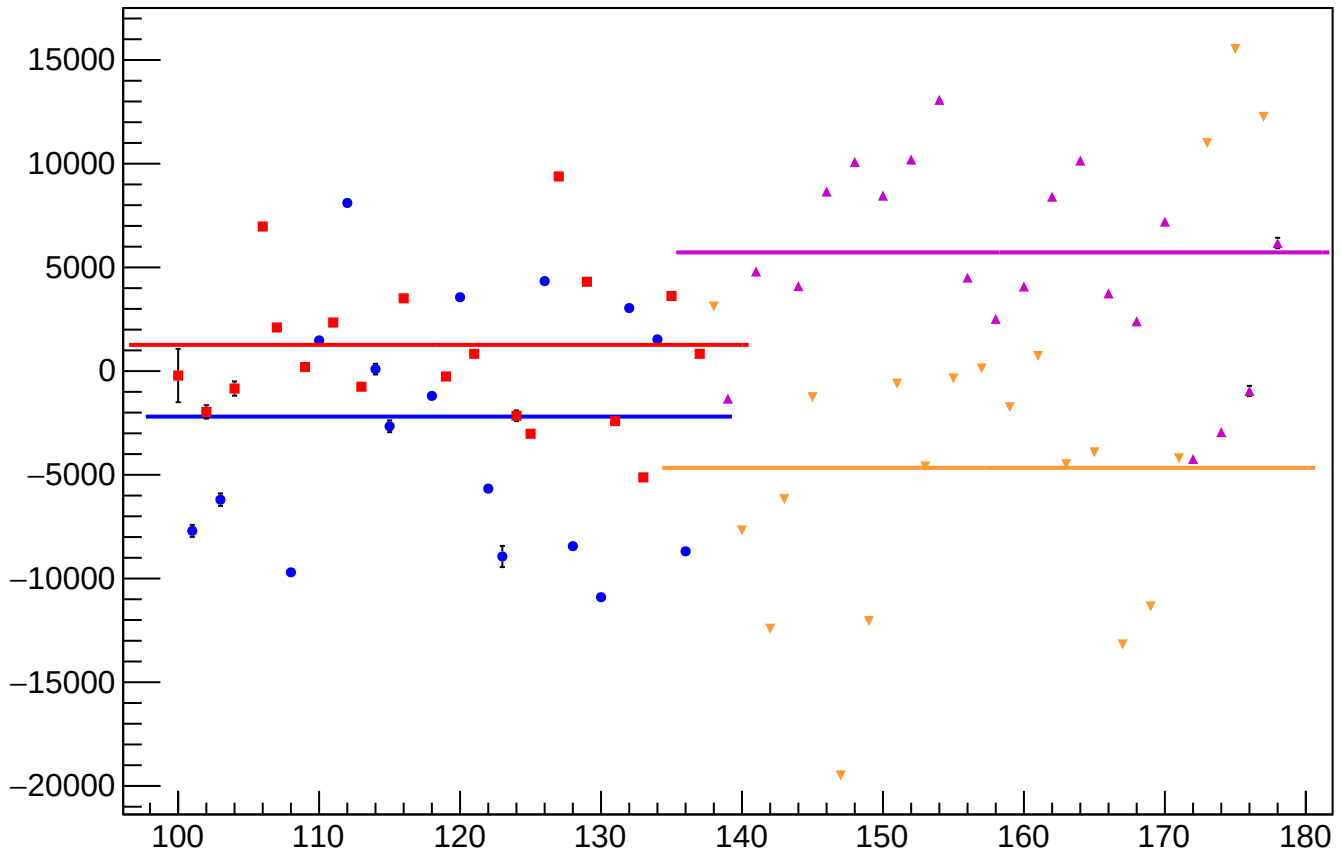
Left In: 135.355+/-0.025 χ^2/NDF : 1743908.8/19

+ sign 127.248+/-0.020 χ^2/NDF : 2634819.3/37

All: 127.076+/-0.014 χ^2/NDF : 5464207.6/76

- sign 126.906+/-0.020 χ^2/NDF : 2829239.4/38

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 $\chi^2/\text{NDF}: 22813.5/16$

Left Out: -4662.617 ± 31.581 $\chi^2/\text{NDF}: 58286.5/20$

Right Out: 1266.189 ± 38.048 $\chi^2/\text{NDF}: 8550.5/18$

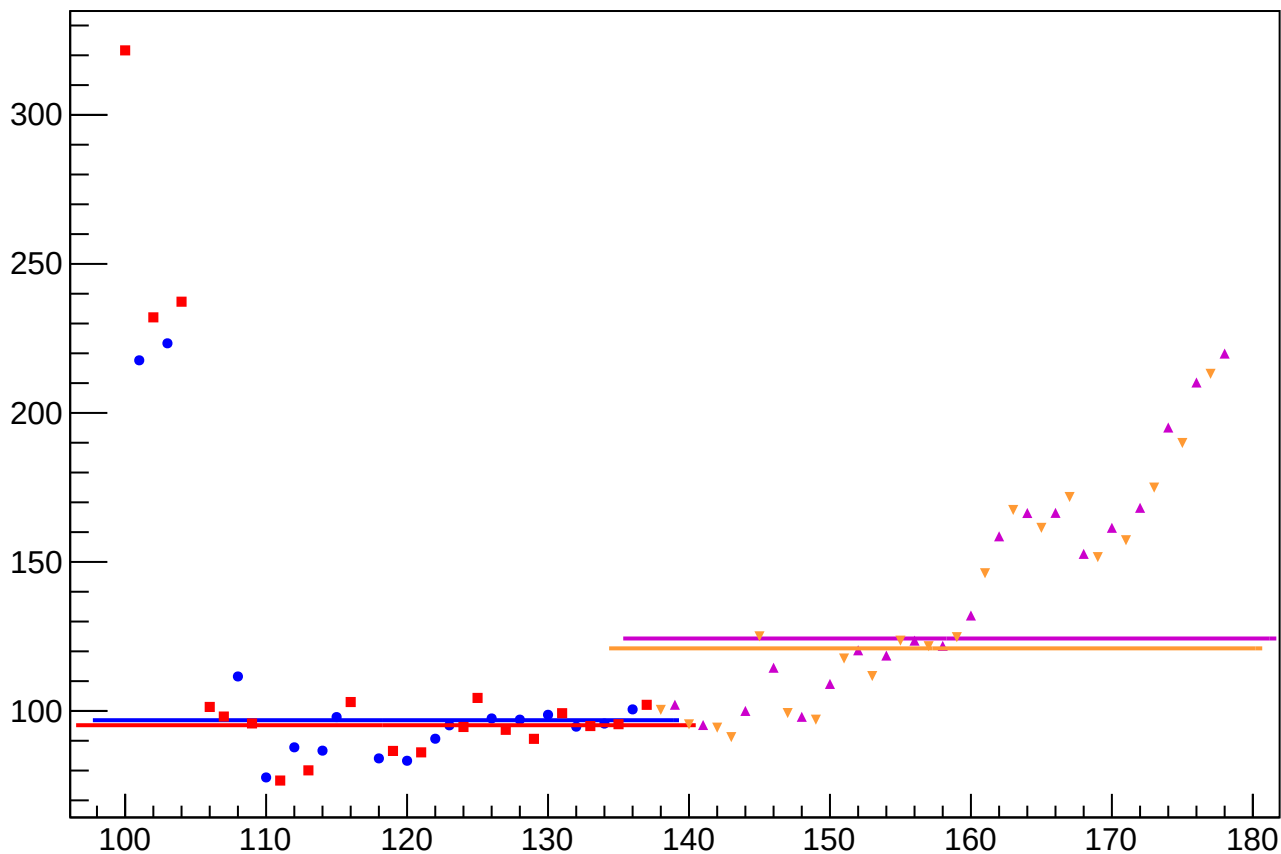
Left In: 5723.519 ± 32.815 $\chi^2/\text{NDF}: 16893.7/19$

+ sign -3712.399 ± 24.774 $\chi^2/\text{NDF}: 83453.5/37$

All: 43.362 ± 17.544 $\chi^2/\text{NDF}: 162876.4/76$

- sign 3822.225 ± 24.850 $\chi^2/\text{NDF}: 33314.2/38$

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 121.001+/-0.022 χ^2/NDF : 1712887.3/20

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

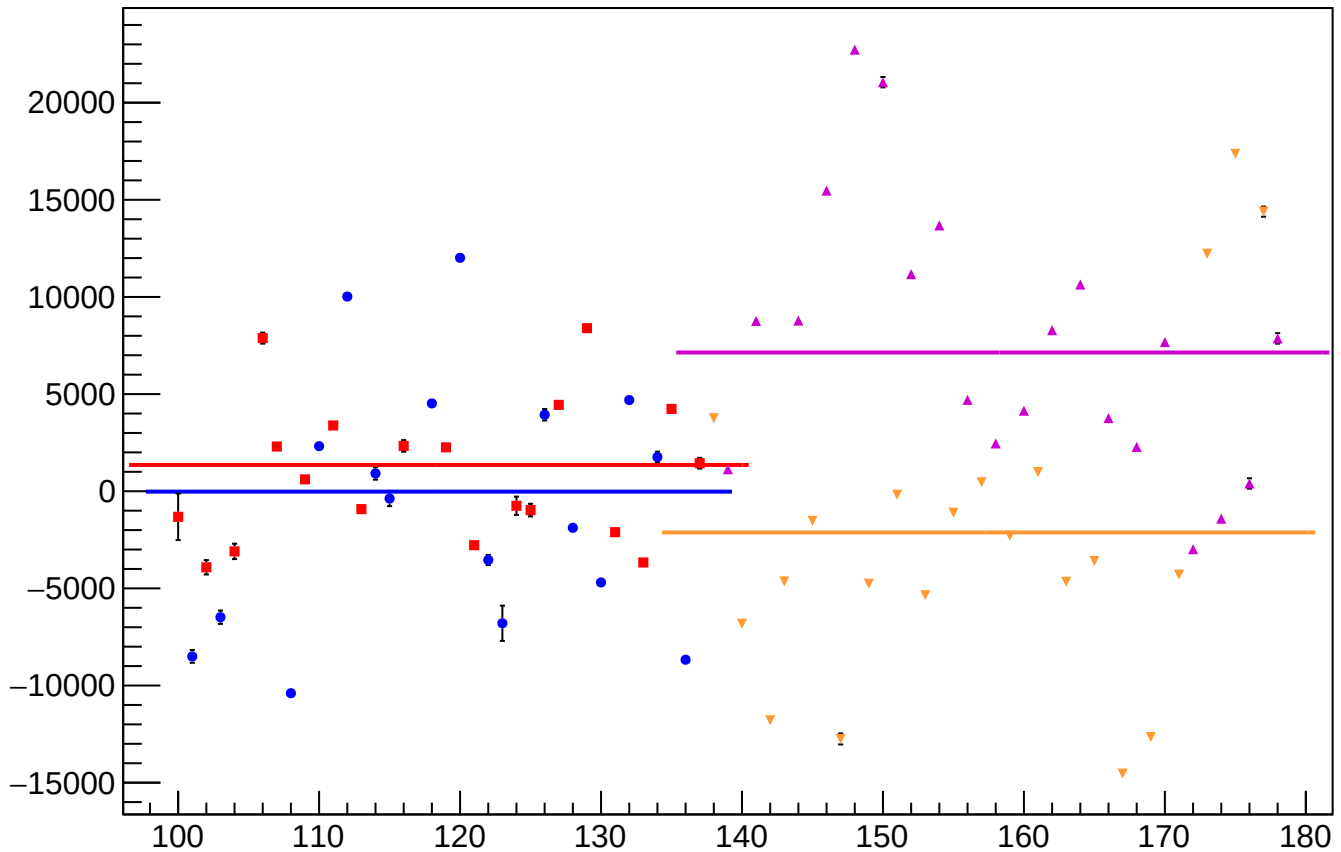
Left In: 124.311+/-0.023 χ^2/NDF : 1658382.7/19

+ sign 111.728+/-0.018 χ^2/NDF : 2978386.4/37

All: 111.813+/-0.012 χ^2/NDF : 6167382.9/76

- 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: -2120.408 ± 42.417 χ^2/NDF : 28414.2/20

Right Out: 1353.461 ± 52.367 χ^2/NDF : 3837.2/18

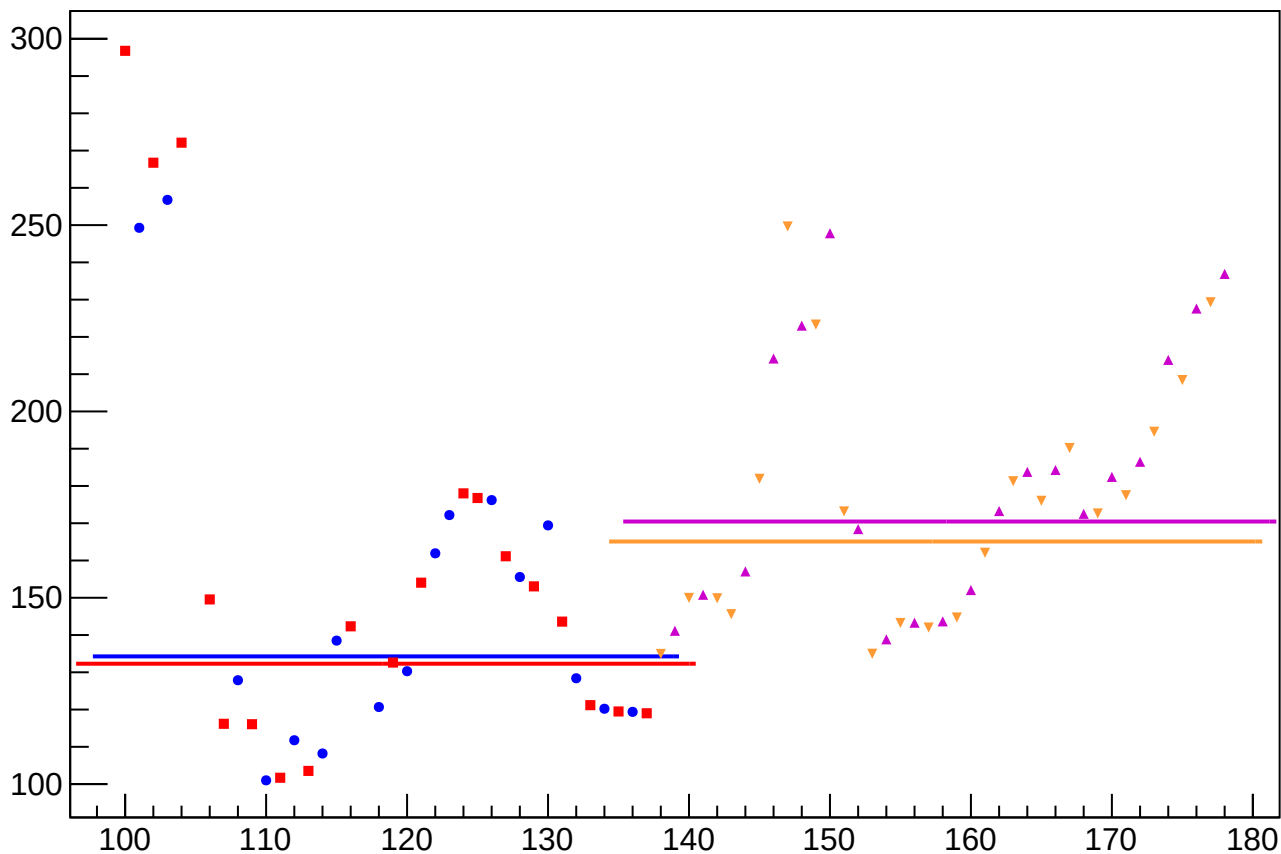
Left In: 7142.264 ± 44.445 χ^2/NDF : 17728.2/19

+ sign -1330.643 ± 33.507 χ^2/NDF : 45697.2/37

All: 1659.852 ± 23.826 χ^2/NDF : 90478.1/76

- 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: 165.096 $\pm$ 0.030 χ^2 /NDF: 891875.0/20

Right Out: 132.302 $\pm$ 0.037 χ^2 /NDF: 869892.7/18

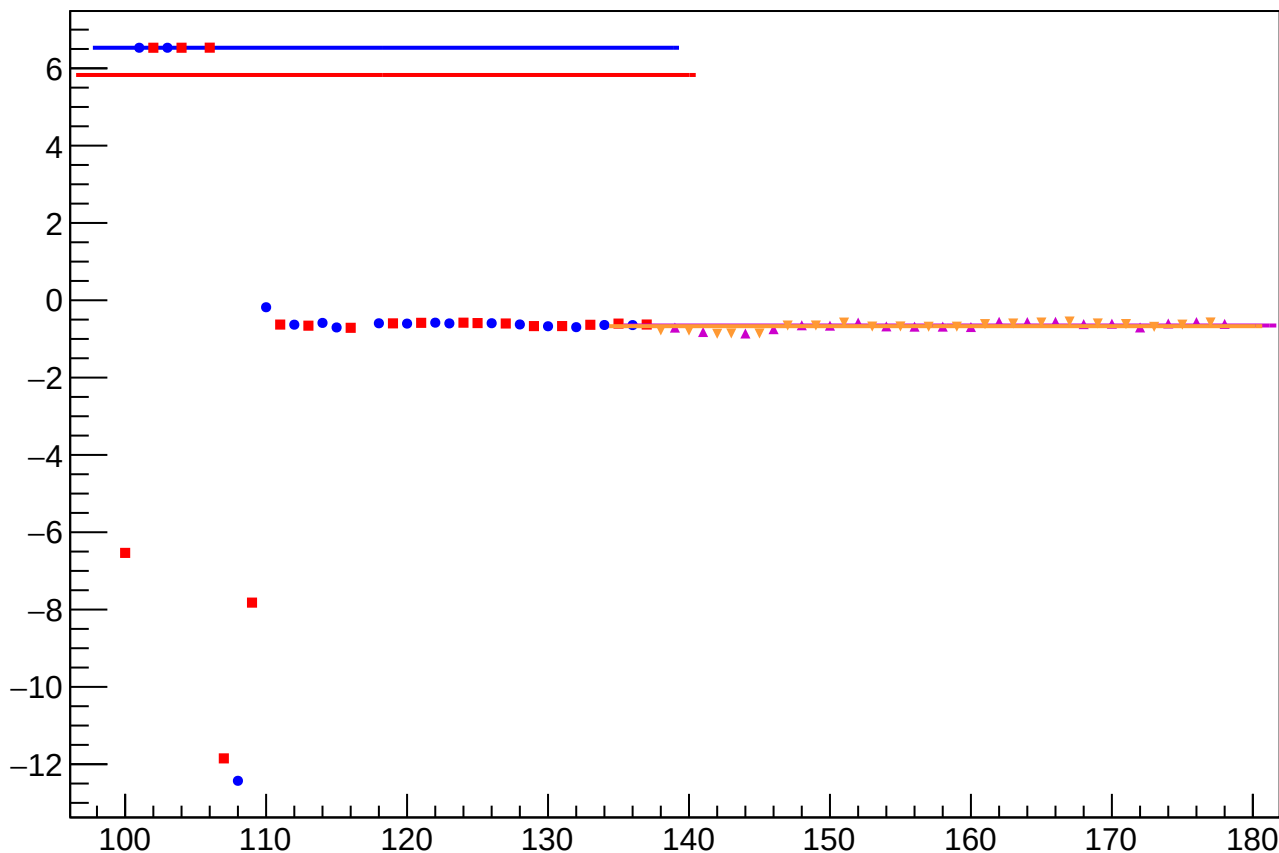
Left In: 170.458 $\pm$ 0.031 χ^2 /NDF: 942274.8/19

+ sign 153.505 $\pm$ 0.024 χ^2 /NDF: 2077761.5/37

All: 153.988 $\pm$ 0.017 χ^2 /NDF: 4507978.3/76

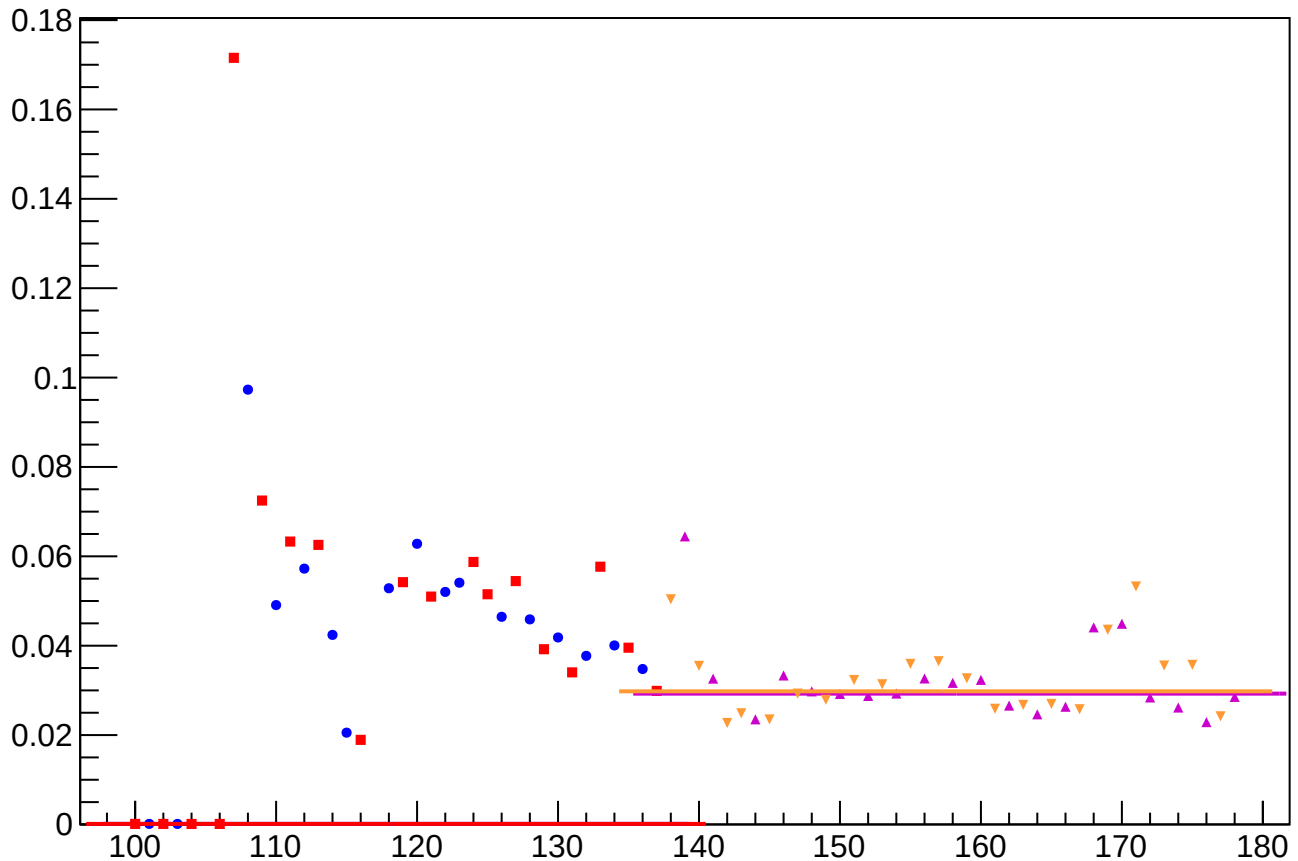
- sign 154.481 $\pm$ 0.024 χ^2 /NDF: 2429376.5/38

yield_cav4bX_mean vs Slug



Right In: 6.532+/-0.000	χ^2/NDF : 127906780672.7/16	+ sign 6.530+/-0.000	χ^2/NDF : 847361682574.9/37
Left Out: -0.670+/-0.000	χ^2/NDF : 139491885.6/20	All: 6.154+/-0.000	χ^2/NDF : 77737809966310
Right Out: 5.827+/-0.000	χ^2/NDF : 755948646460090.5/18	- sign 5.826+/-0.000	χ^2/NDF : 756539584700729.6/18
Left In: -0.653+/-0.000	χ^2/NDF : 112706612.9/19		

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.030+/-0.000 χ^2/NDF : 1138239.7/20

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

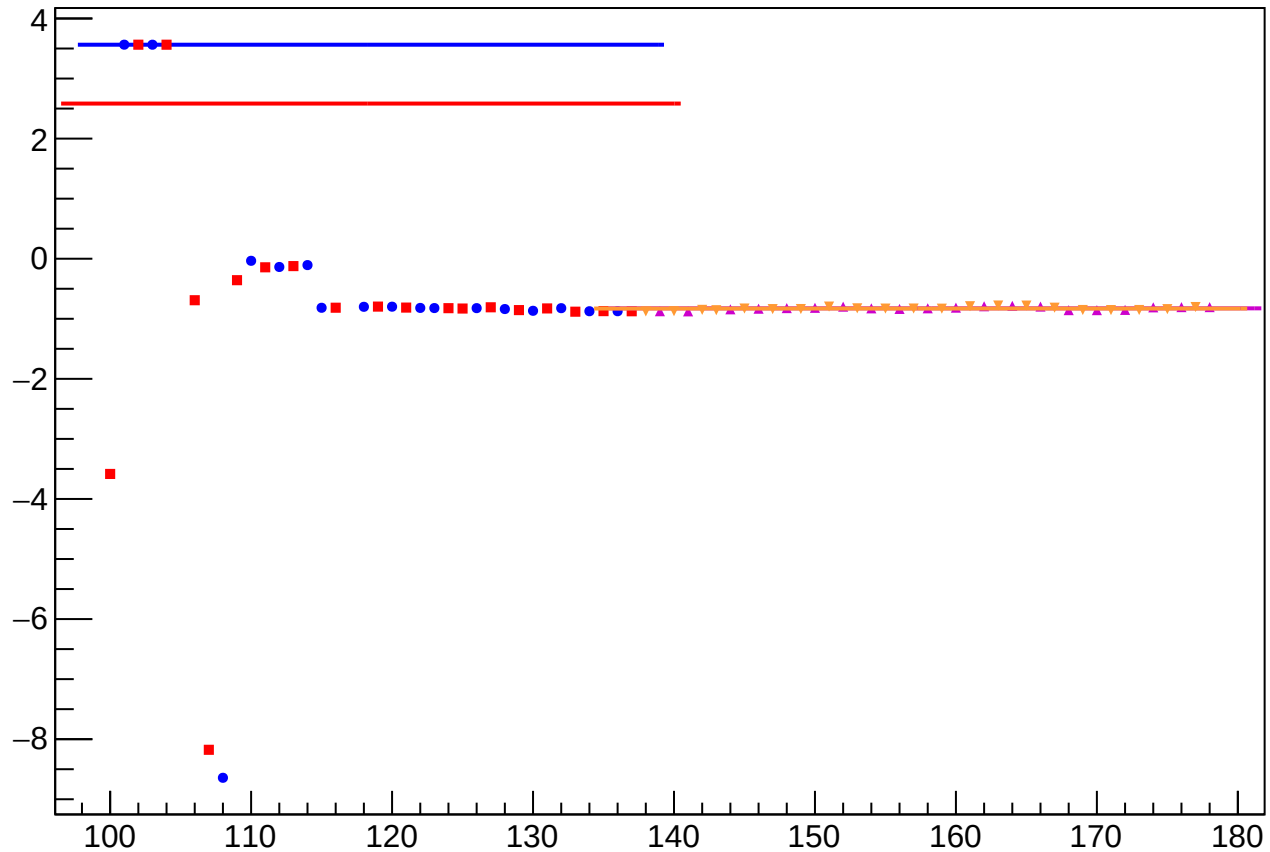
Left In: 0.029+/-0.000 χ^2/NDF : 1016374.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 34574655.6/37

All: 0.000+/-0.000 χ^2/NDF : 68880104.0/76

- sign 0.000+/-0.000 χ^2/NDF : 34304948.9/38

yield_cav4bY_mean vs Slug



Right In: 3.563±/0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.829±/0.000 χ^2/NDF : 153421661.0/20

Right Out: 2.583±/0.000 χ^2/NDF : 1253505323583154.2/18

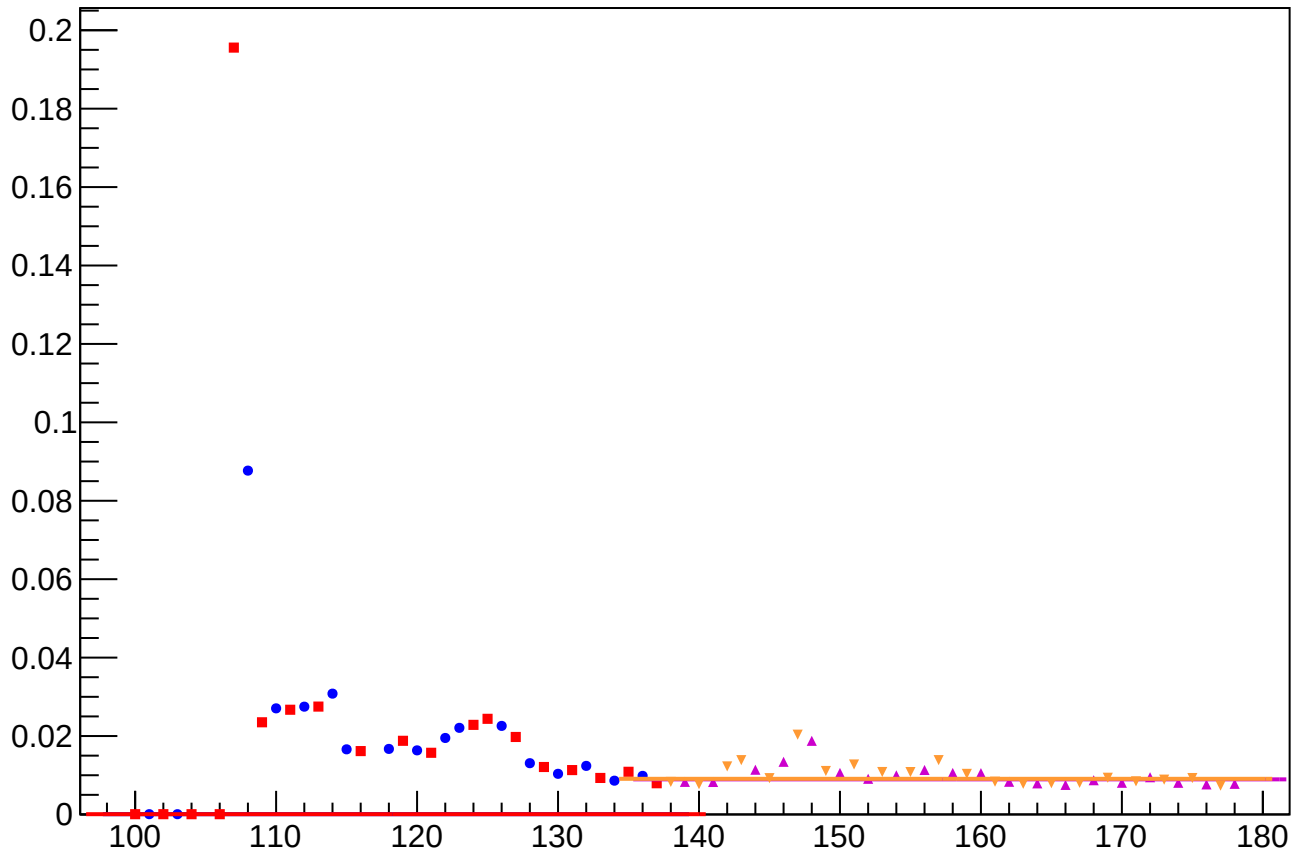
Left In: -0.826±/0.000 χ^2/NDF : 135672573.0/19

+ sign 3.561±/0.000 χ^2/NDF : 3511790114139.5/37

All: 3.038±/0.000 χ^2/NDF : 13869850184608

- sign 2.582±/0.000 χ^2/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 : 1172518.5/20

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

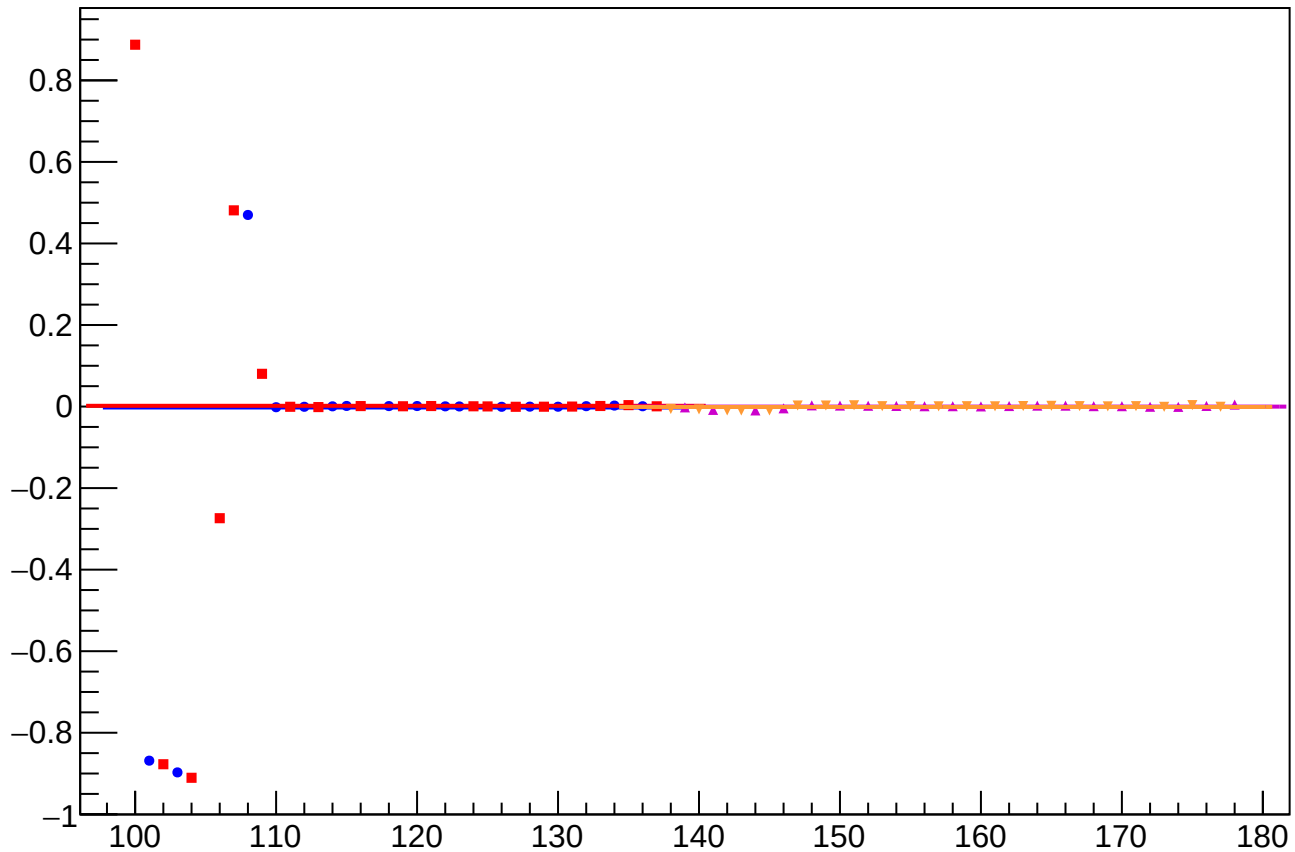
Left In: 0.009+/-0.000 χ^2/NDF : 898240.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 36537598.2/37

All: 0.000+/-0.000 χ^2/NDF : 72374763.9/76

- 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: -0.001+/-0.000 χ^2/NDF : 101818719.6/20

Right Out: 0.002+/-0.000 χ^2/NDF : 3041331104.7/18

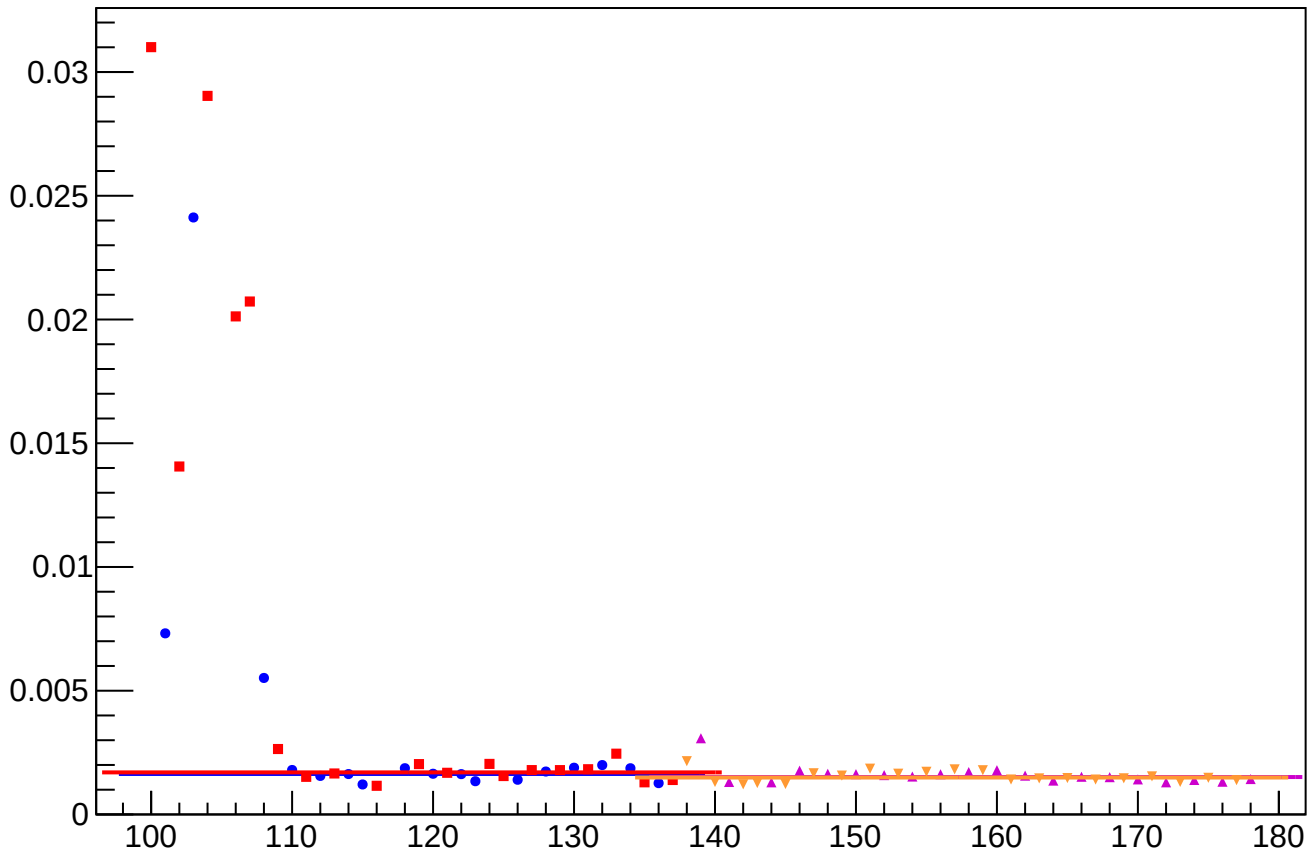
Left In: -0.000+/-0.000 χ^2/NDF : 77049942.3/19

+ sign -0.001+/-0.000 χ^2/NDF : 9899322984.8/37

All: -0.001+/-0.000 χ^2/NDF : 13031762787.6/37

- 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: 464616.9/20

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

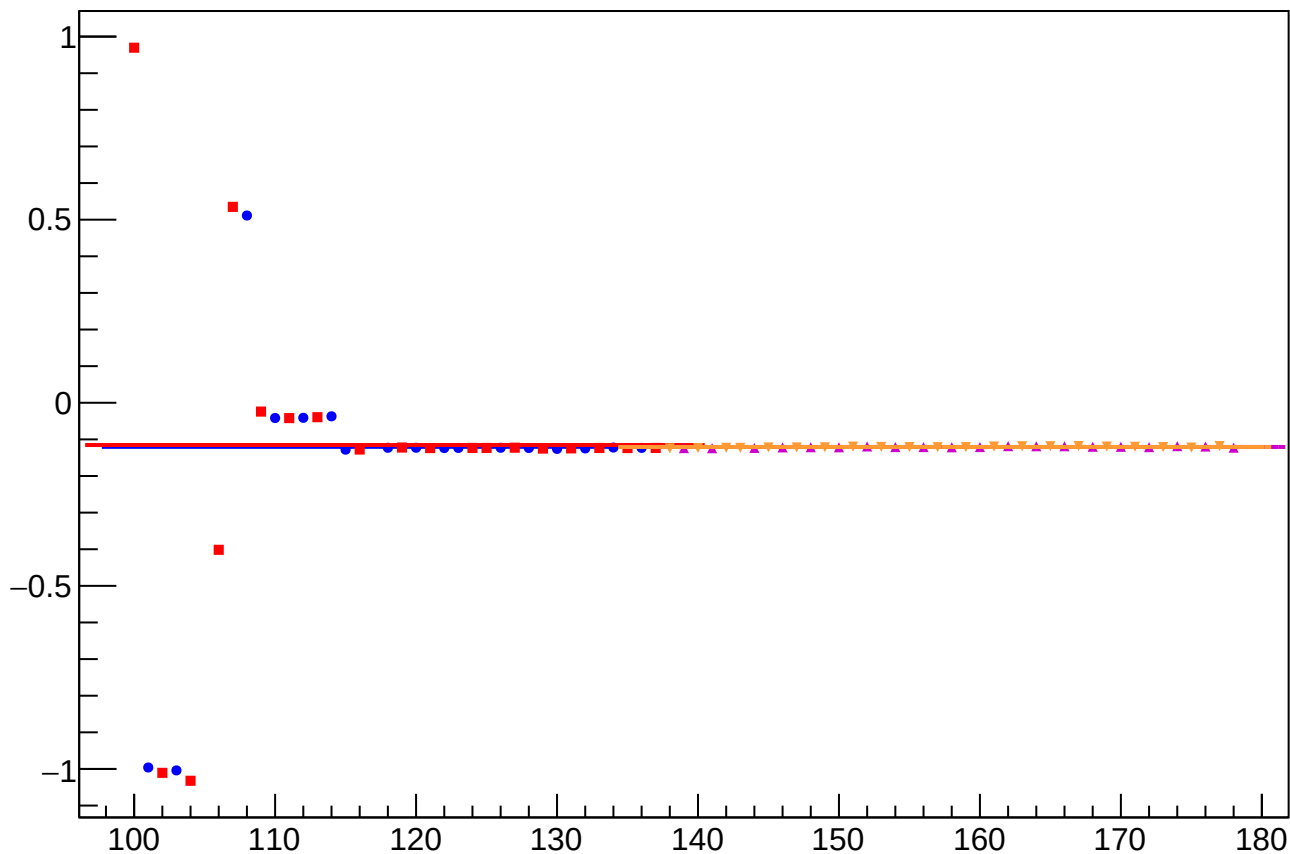
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 599421.7/19

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2436911.9/37

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6151841.3/76

- 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 : 41836721.3/20

Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

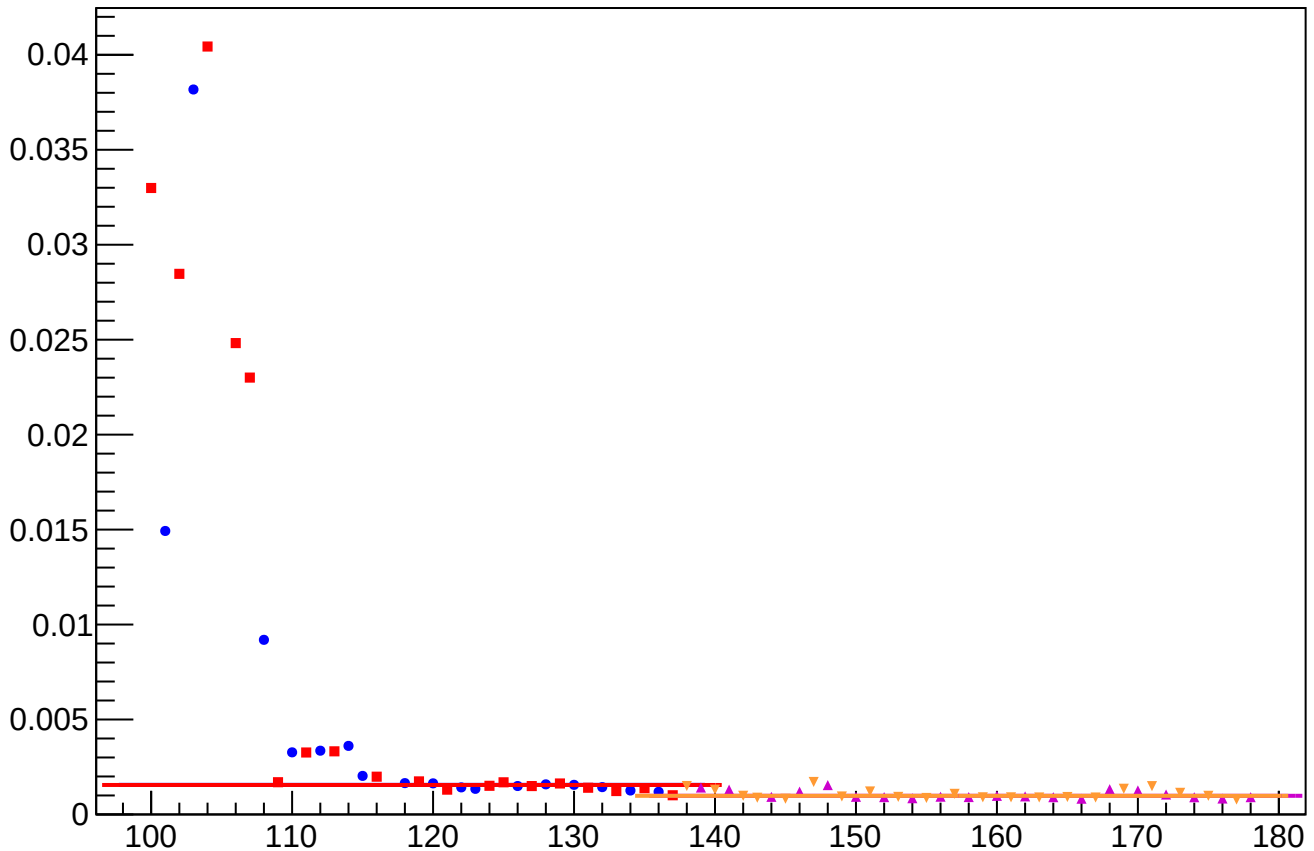
Left In: -0.121+/-0.000 χ^2/NDF : 37125663.3/19

+ sign -0.121+/-0.000 χ^2/NDF : 3974363940.1/37

All: -0.120+/-0.000 χ^2/NDF : 6518136789.2/7

- 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:1138033.4/20

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3538622.3/18

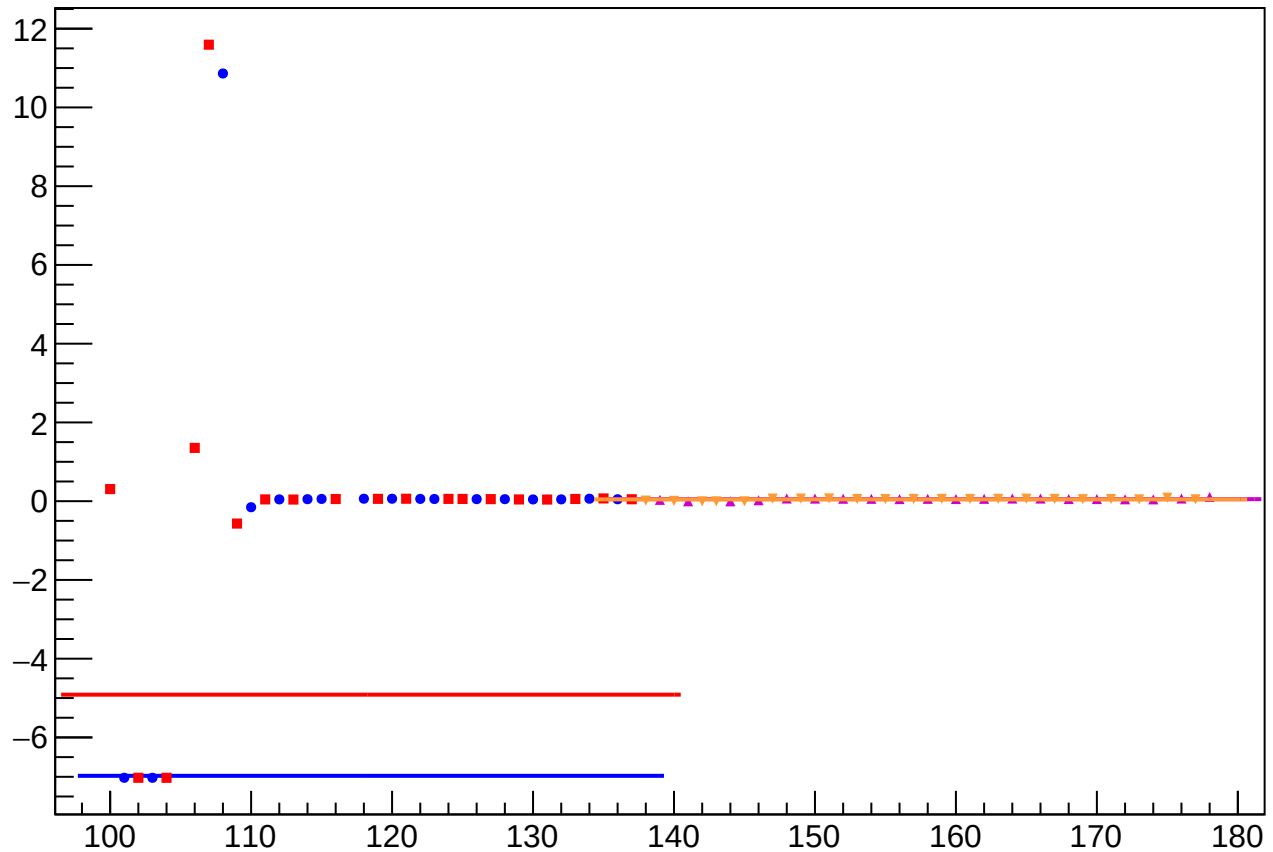
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:807726.1/19

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5163093.1/37

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10600876.9/76

- 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: 0.046+/-0.000 χ^2/NDF :112454524.2/20

Right Out: -4.914+/-0.000 χ^2/NDF : 365362215369689.4/18

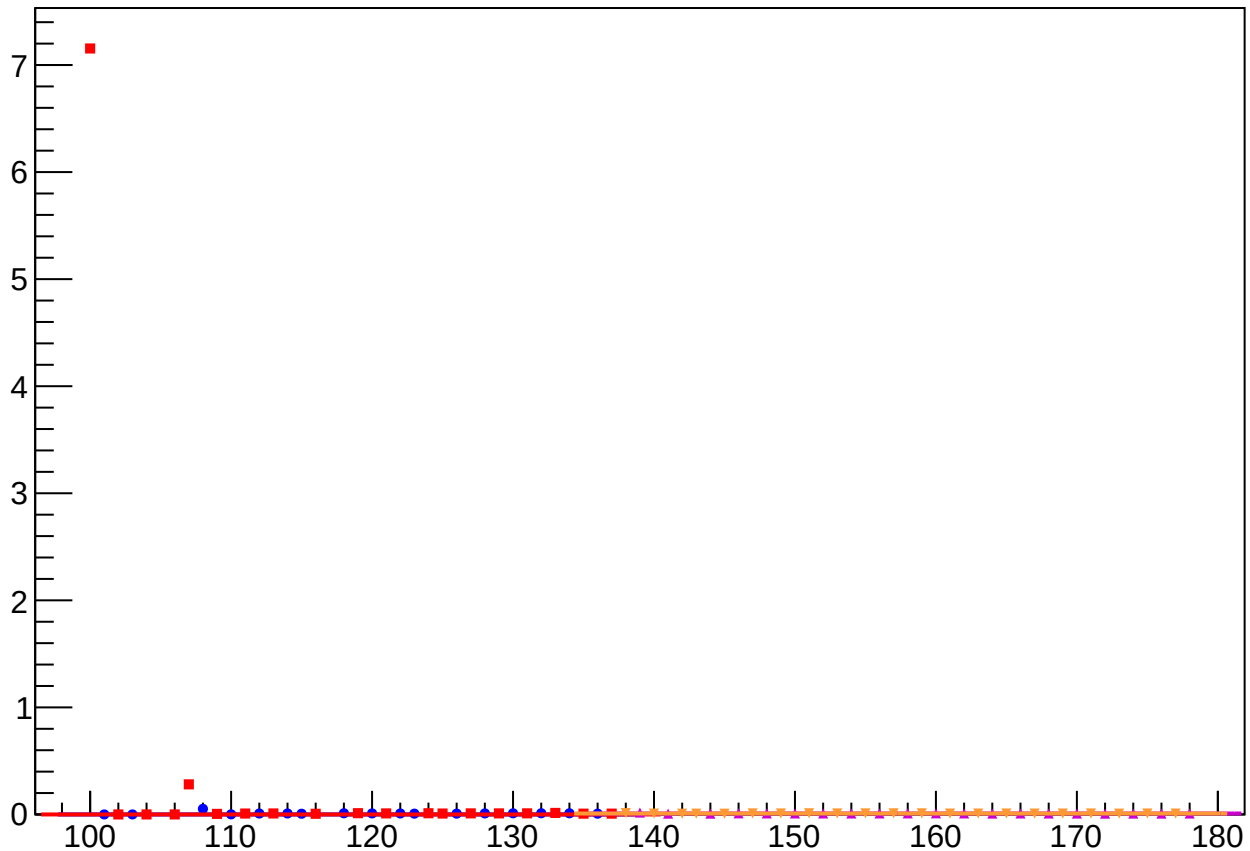
Left In: 0.052+/-0.000 χ^2/NDF :106273193.6/19

+ sign -6.930+/-0.000 χ^2/NDF : 16780018126114.8/16

All: -5.864+/-0.000 χ^2/NDF : 4415535077906.4/16

- sign -4.886+/-0.000 χ^2/NDF : 369177898298273.3/16

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.009+/-0.000 χ^2/NDF : 462220.1/20

Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

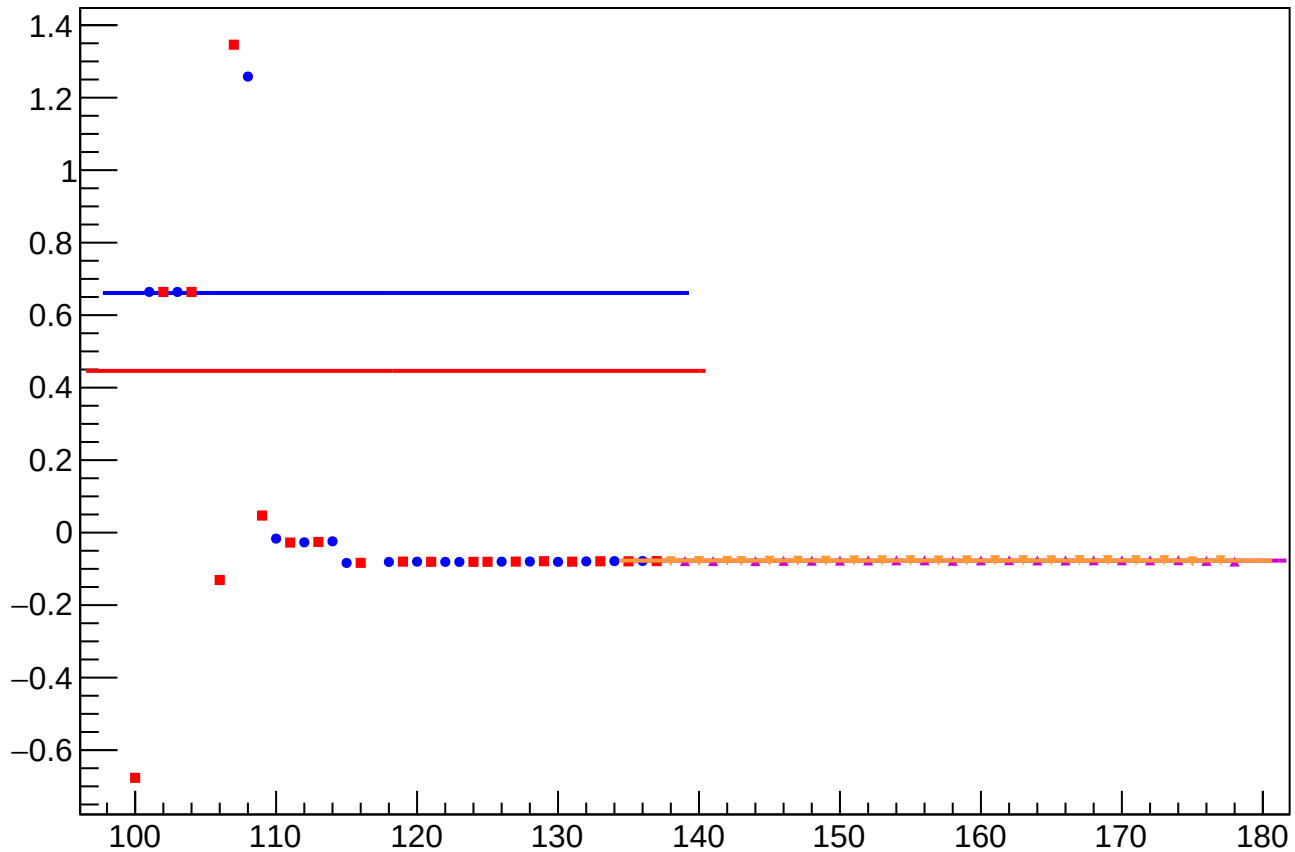
Left In: 0.009+/-0.000 χ^2/NDF : 591230.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 33027862.4/37

All: 0.000+/-0.000 χ^2/NDF : 66203261.4/76

- sign 0.000+/-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 : 52409007.1/20

Right Out: 0.446+/-0.000 χ^2/NDF : 405428604683882.5/18

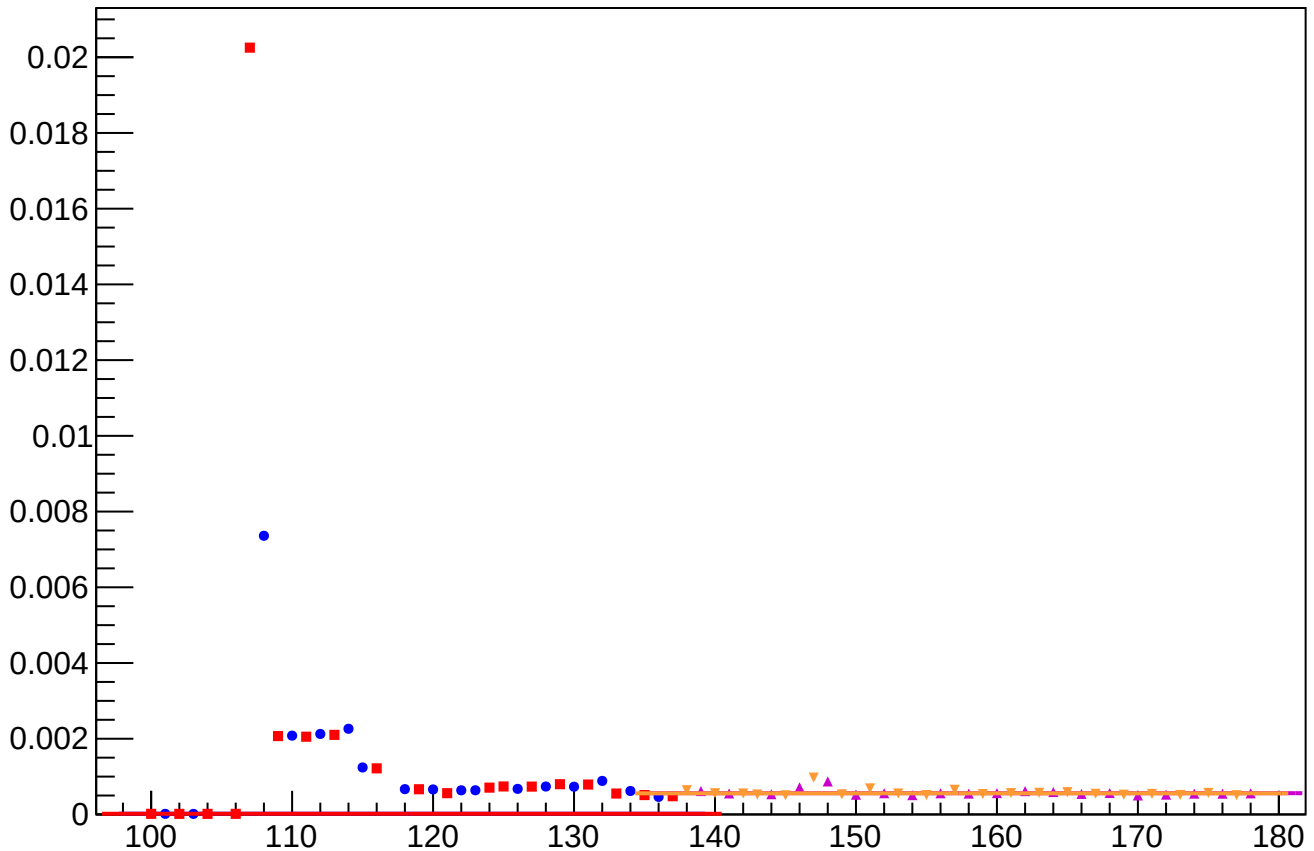
Left In: -0.077+/-0.000 χ^2/NDF : 46271276.8/19

+ sign 0.648+/-0.000 χ^2/NDF : 31440507832385.1/3

All: 0.538+/-0.000 χ^2/NDF : 51051898651197

- sign 0.438+/-0.000 χ^2/NDF : 417999376843973.3/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9997012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 455210.9/20

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

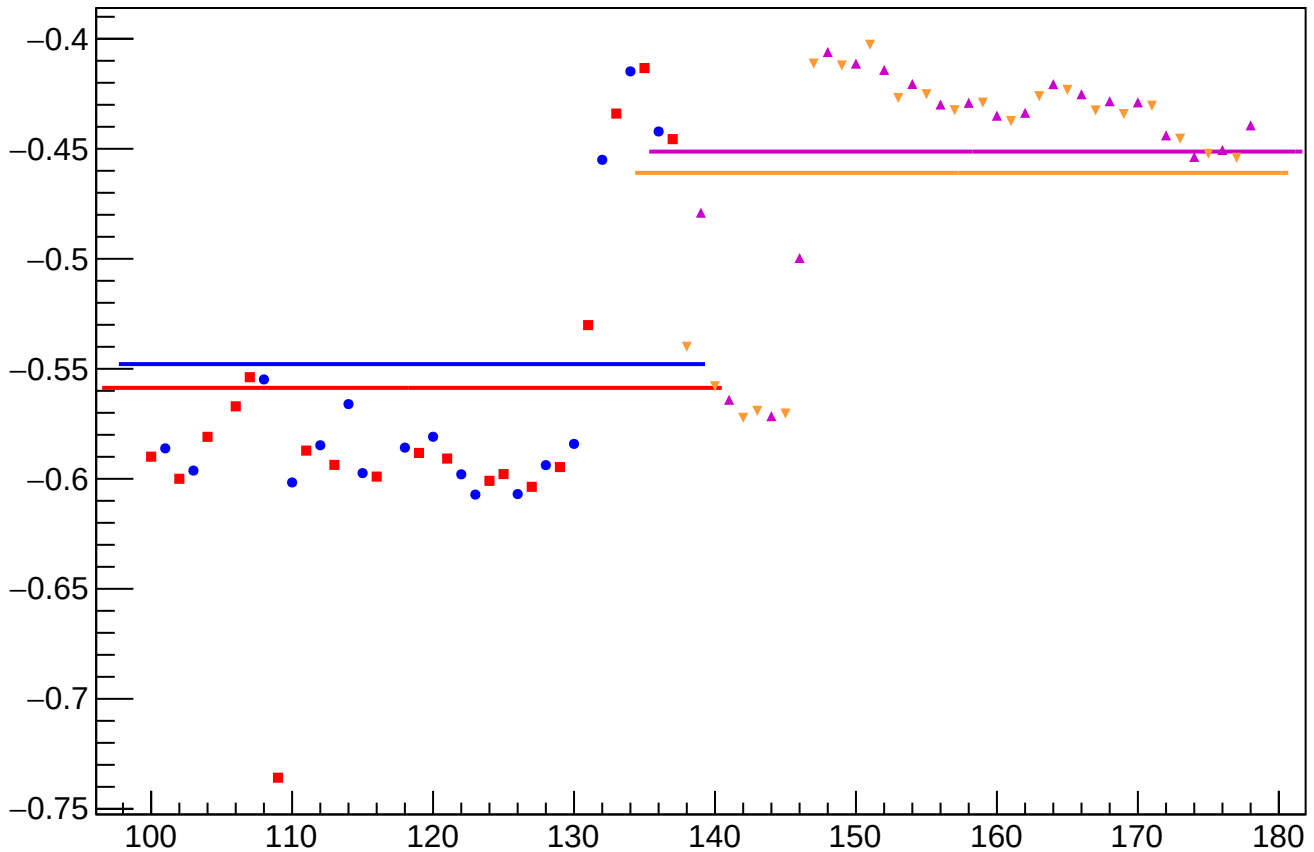
Left In: 0.001+/-0.000 χ^2/NDF : 353215.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 38012459.0/37

All: 0.000+/-0.000 χ^2/NDF : 74993142.6/76

- 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: -0.461+/-0.000 χ^2/NDF : 106563727.2/20

Right Out: -0.559+/-0.000 χ^2/NDF : 65682293.5/18

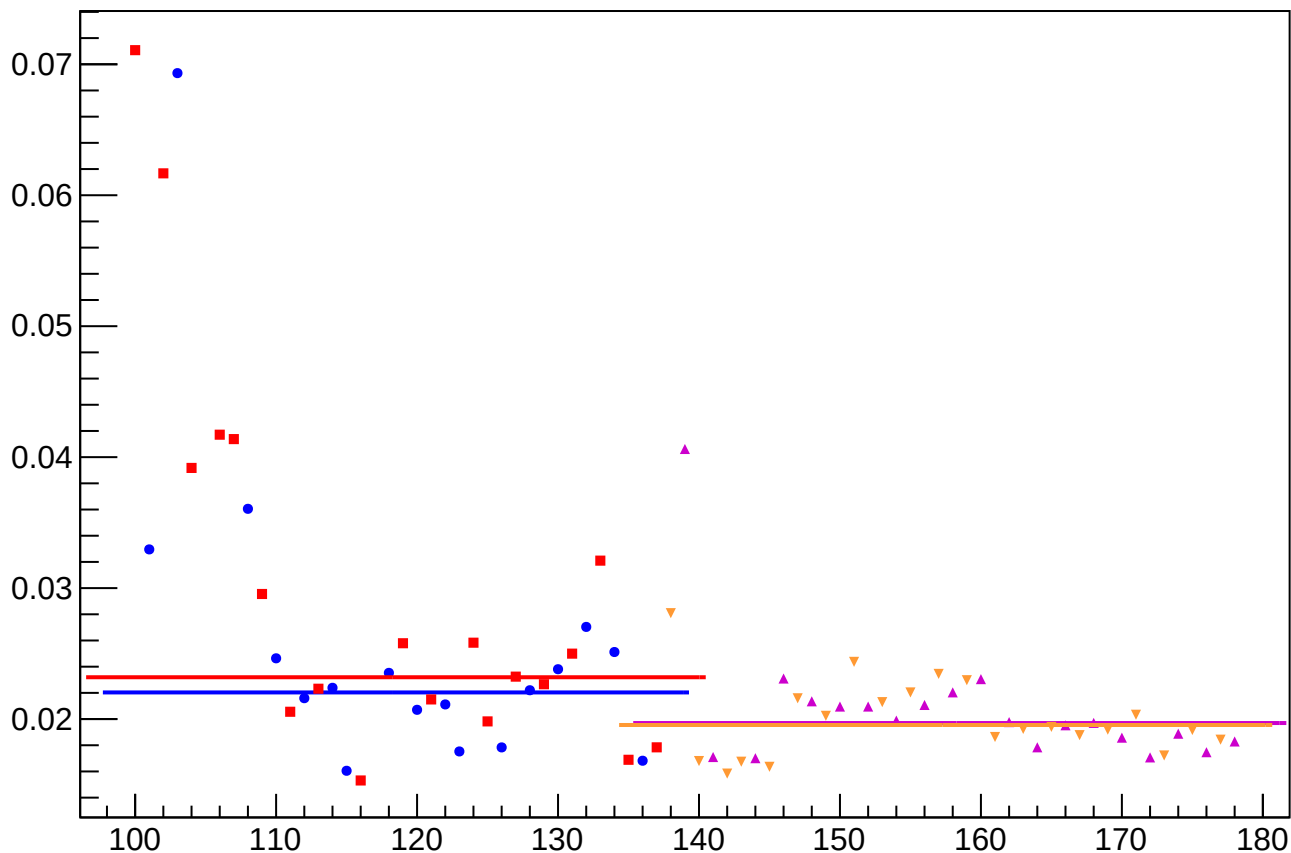
Left In: -0.451+/-0.000 χ^2/NDF : 75523832.6/19

+ sign -0.482+/-0.000 χ^2/NDF : 215455979.3/37

All: -0.479+/-0.000 χ^2/NDF : 444479457.1/76

- sign -0.477+/-0.000 χ^2/NDF : 228452832.1/38

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 958966.6/16

Left Out: 0.020+/-0.000 χ^2/NDF : 430816.9/20

Right Out: 0.023+/-0.000 χ^2/NDF : 1156989.7/18

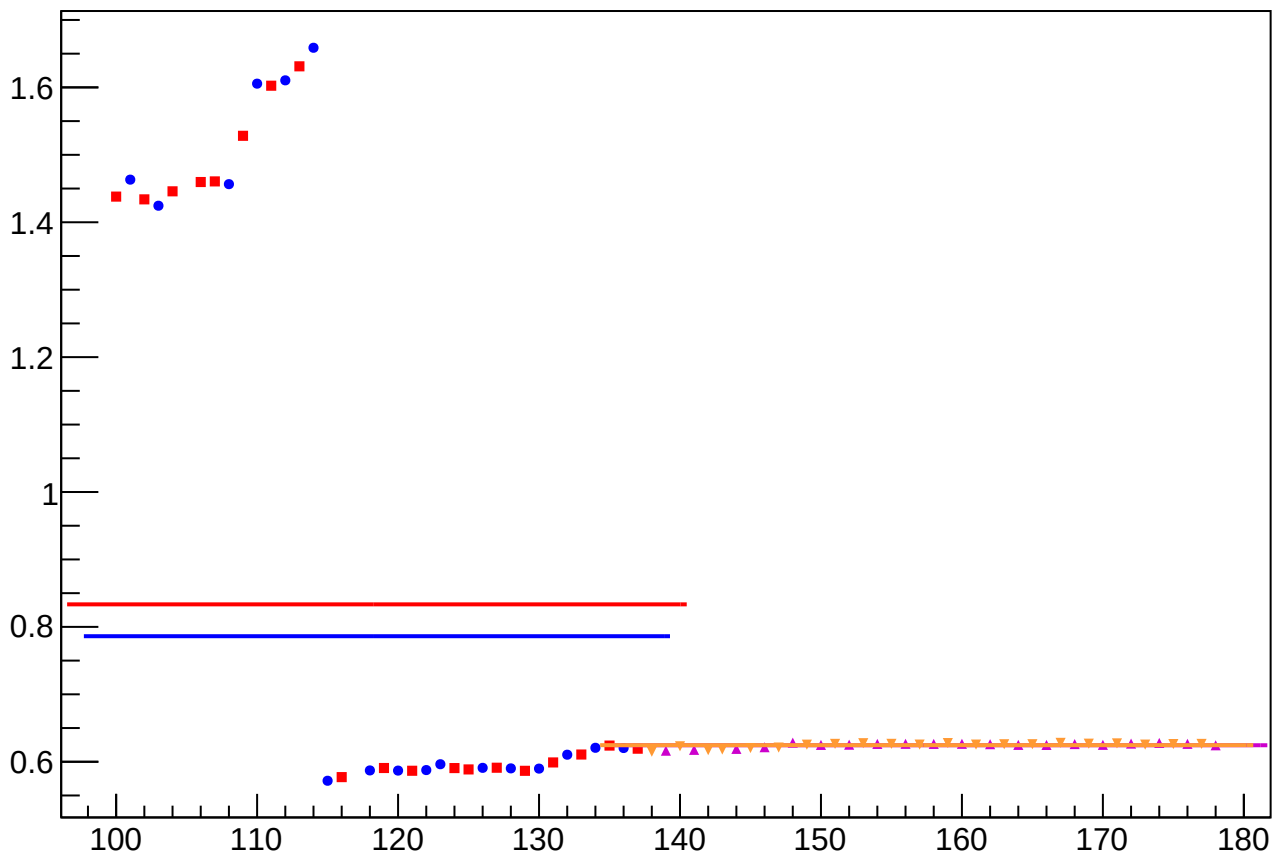
Left In: 0.020+/-0.000 χ^2/NDF : 582441.3/19

+ sign 0.020+/-0.000 χ^2/NDF : 1488416.8/37

All: 0.020+/-0.000 χ^2/NDF : 3418961.6/76

- sign 0.021+/-0.000 χ^2/NDF : 1924434.5/38

yield_bpm4aY_mean vs Slug



Right In: 0.786+/-0.000 χ^2/NDF : 3590113316.1/16

Left Out: 0.625+/-0.000 χ^2/NDF : 1285030.2/20

Right Out: 0.833+/-0.000 χ^2/NDF : 4156812252.4/18

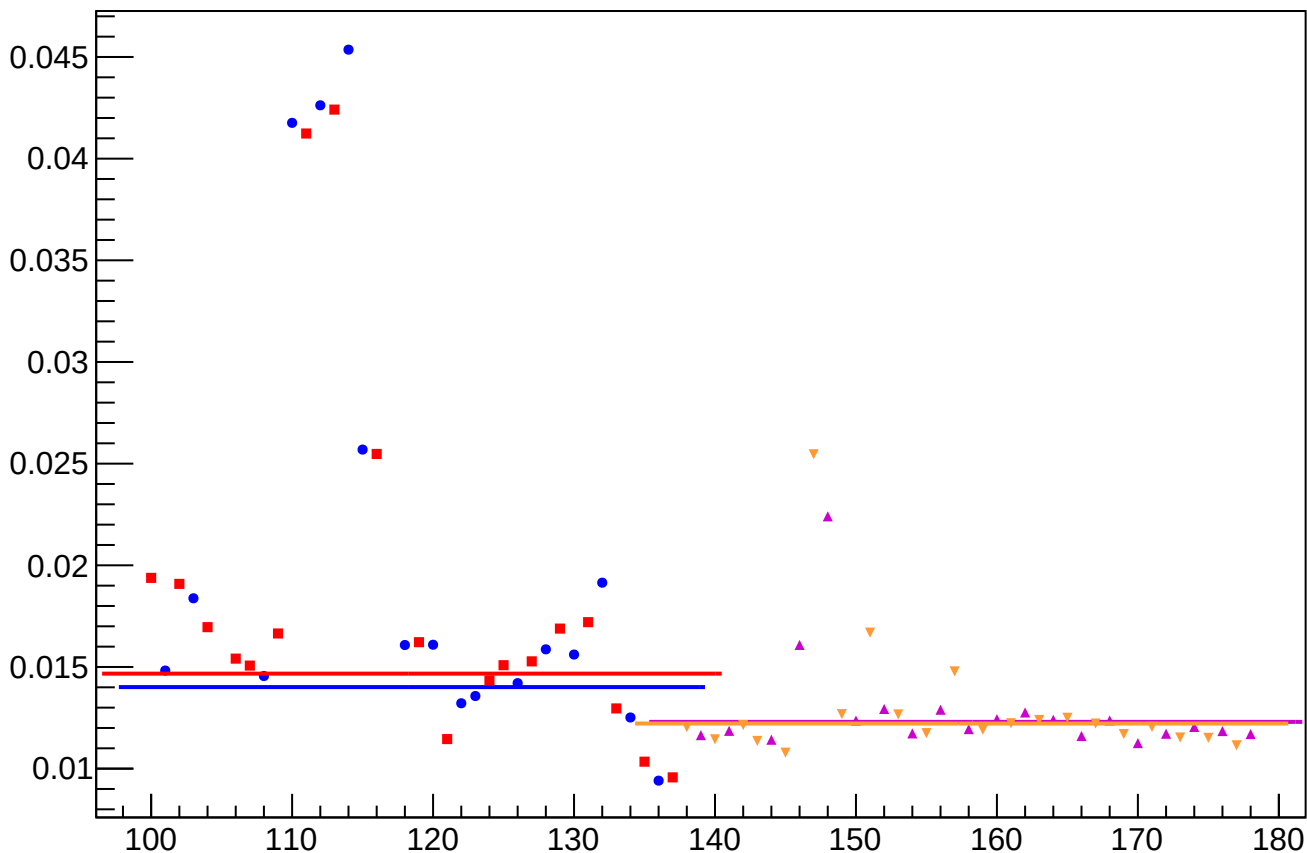
Left In: 0.624+/-0.000 χ^2/NDF : 1058310.7/19

+ sign 0.661+/-0.000 χ^2/NDF : 4178313225.6/37

All: 0.666+/-0.000 χ^2/NDF : 9291553785.0/70

- sign 0.671+/-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:627588.7/20

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1263462.0/18

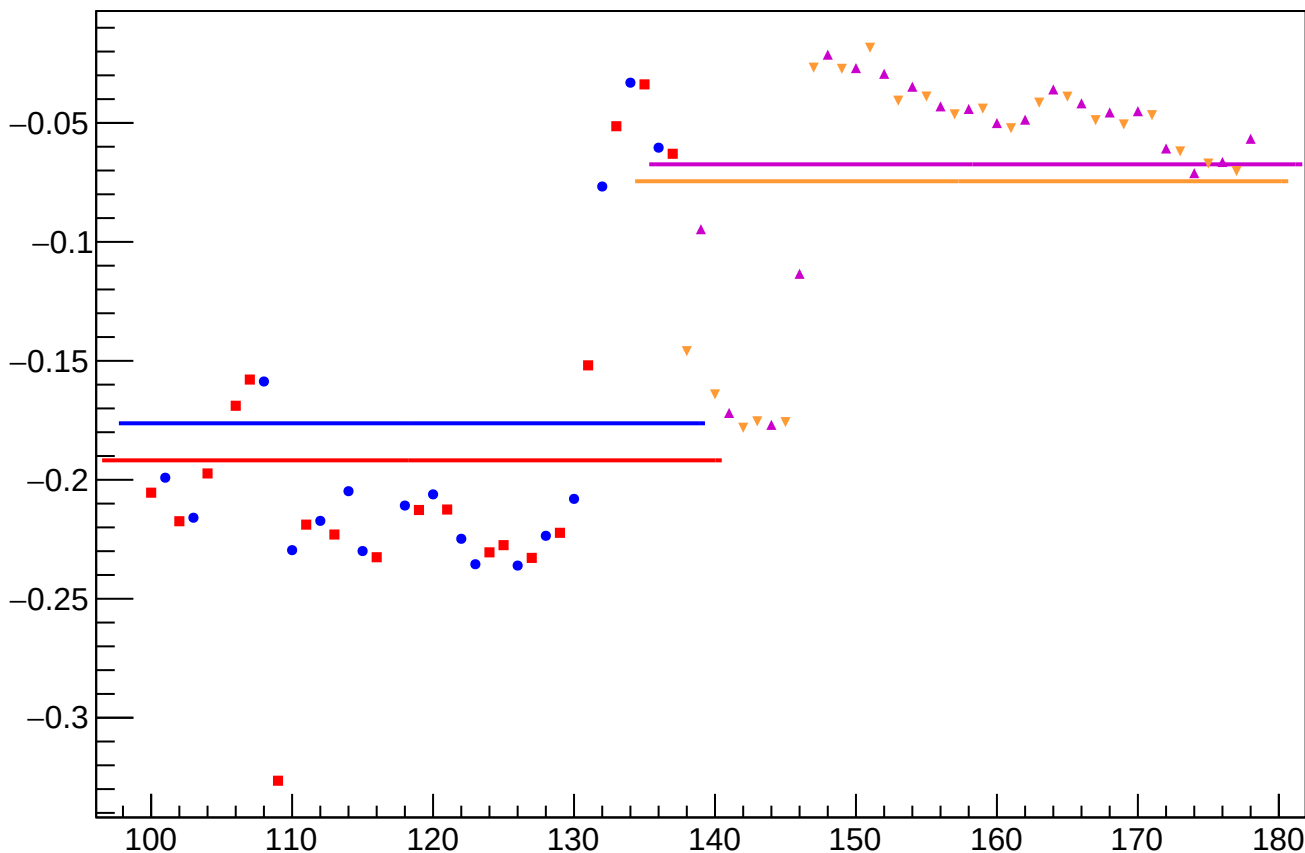
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:448305.2/19

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2176940.7/37

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4138950.6/76

- 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: -0.075+/-0.000 χ^2/NDF : 101348701.5/20

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

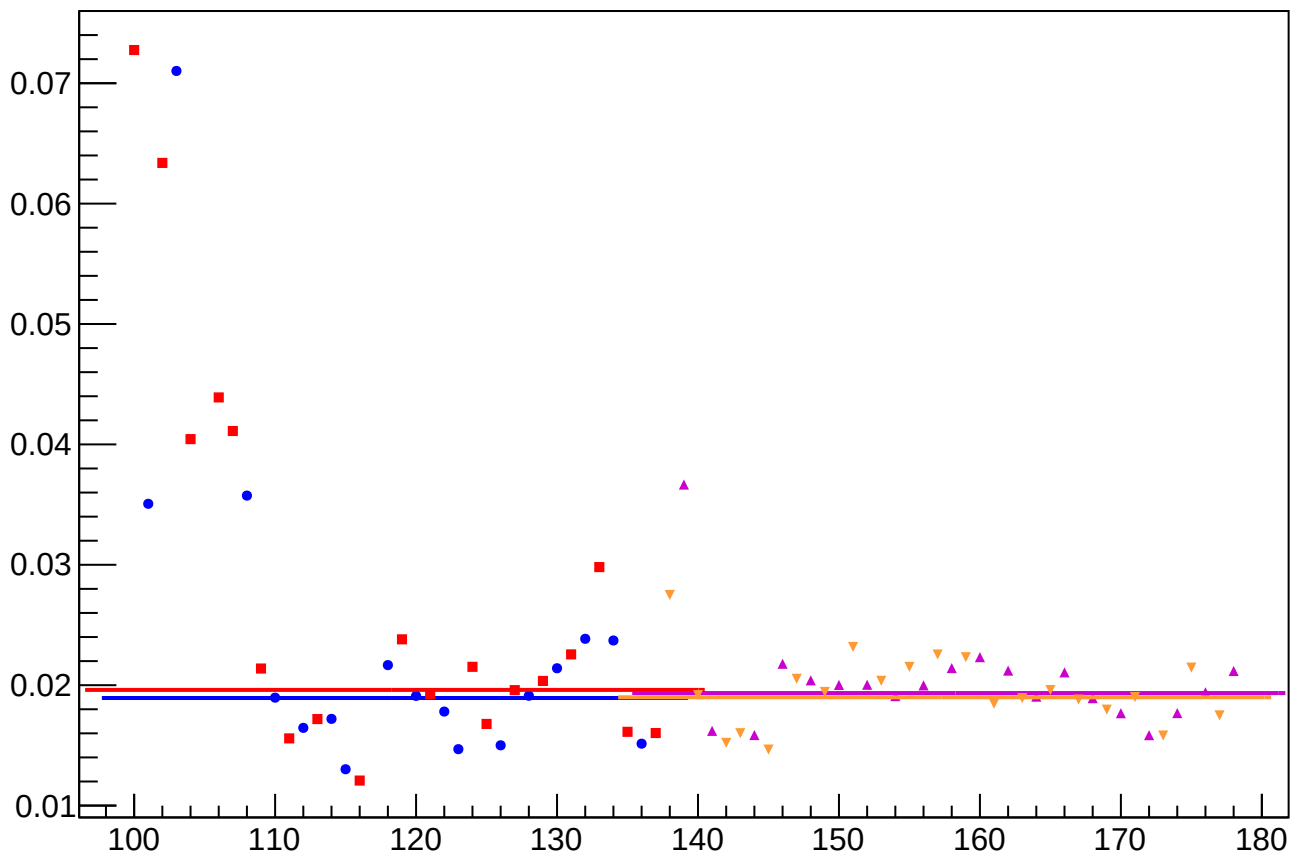
Left In: -0.067+/-0.000 χ^2/NDF : 75790513.0/19

+ sign -0.103+/-0.000 χ^2/NDF : 275232161.4/37

All: -0.103+/-0.000 χ^2/NDF : 583954972.3/76

- sign -0.103+/-0.000 χ^2/NDF : 308722240.5/38

yield_bpm4eX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1205858.0/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 505507.4/20

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1457660.9/18

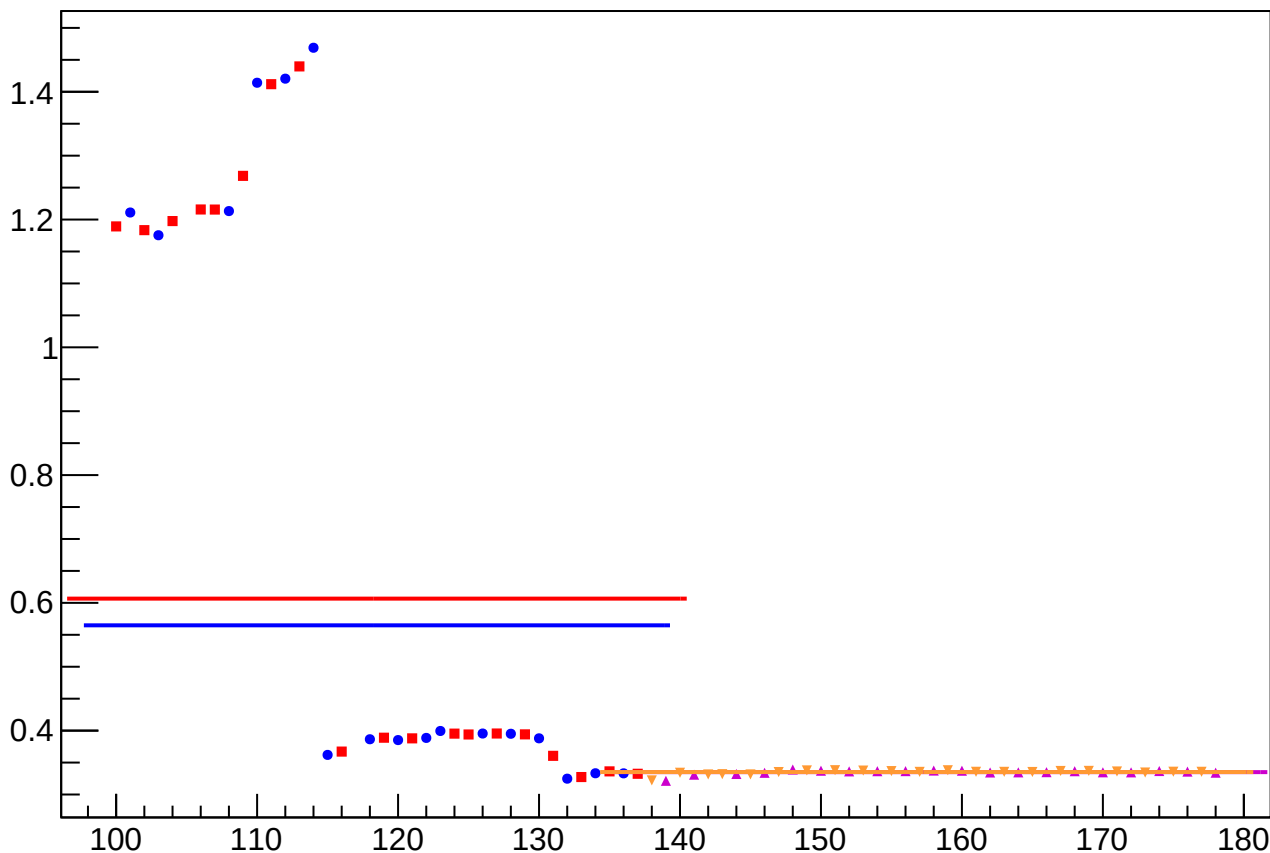
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 571776.2/19

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1711434.4/37

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3751744.3/76

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2030761.6/38

yield_bpm4eY_mean vs Slug



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.335+/-0.000 χ^2/NDF :1137145.0/20

Right Out: 0.607+/-0.000 χ^2/NDF : 5513752213.8/18

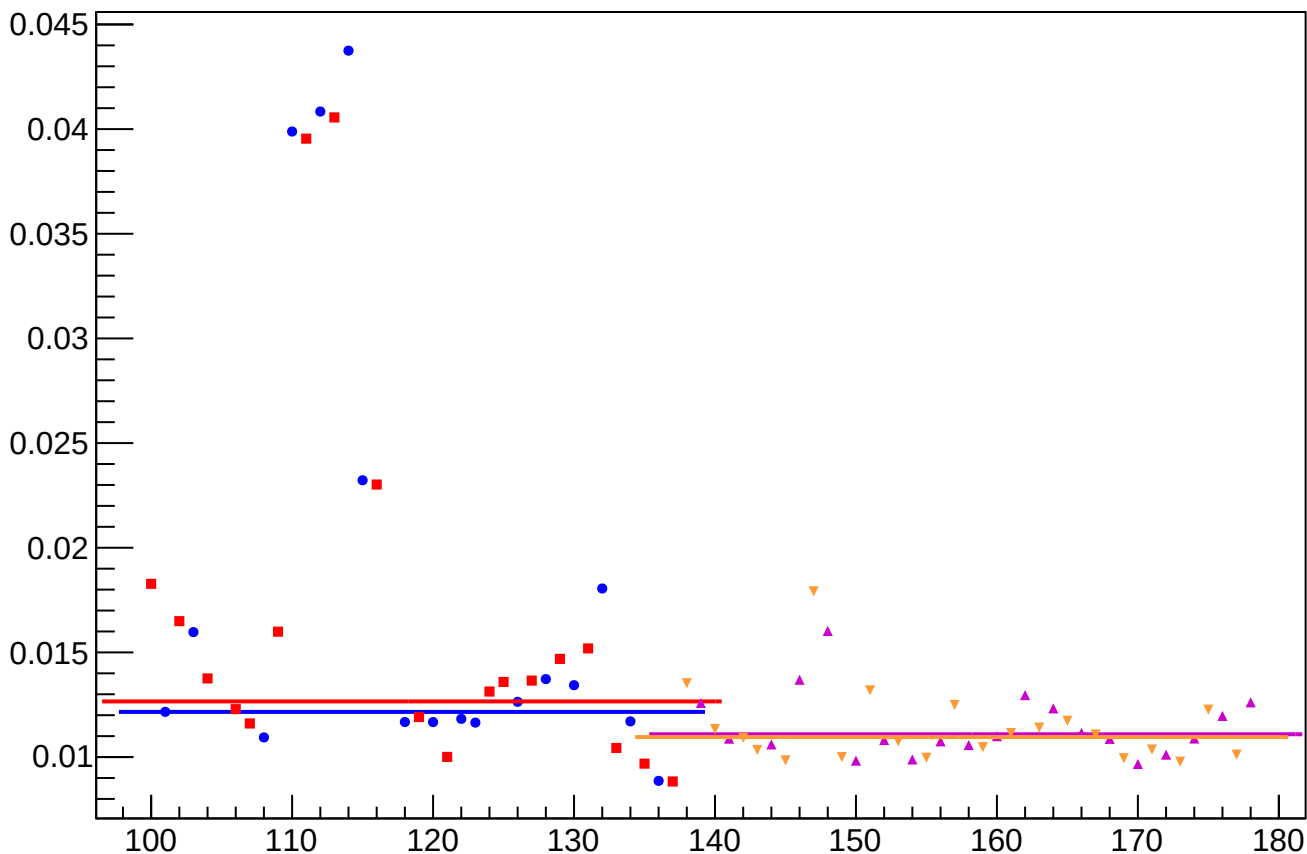
Left In: 0.335+/-0.000 χ^2/NDF :1198543.2/19

+ sign 0.389+/-0.000 χ^2/NDF : 6579518246.5/37

All: 0.394+/-0.000 χ^2/NDF : 14176163272.3/77

- sign 0.399+/-0.000 χ^2/NDF : 7588777678.1/38

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1309888.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 478691.4/20

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

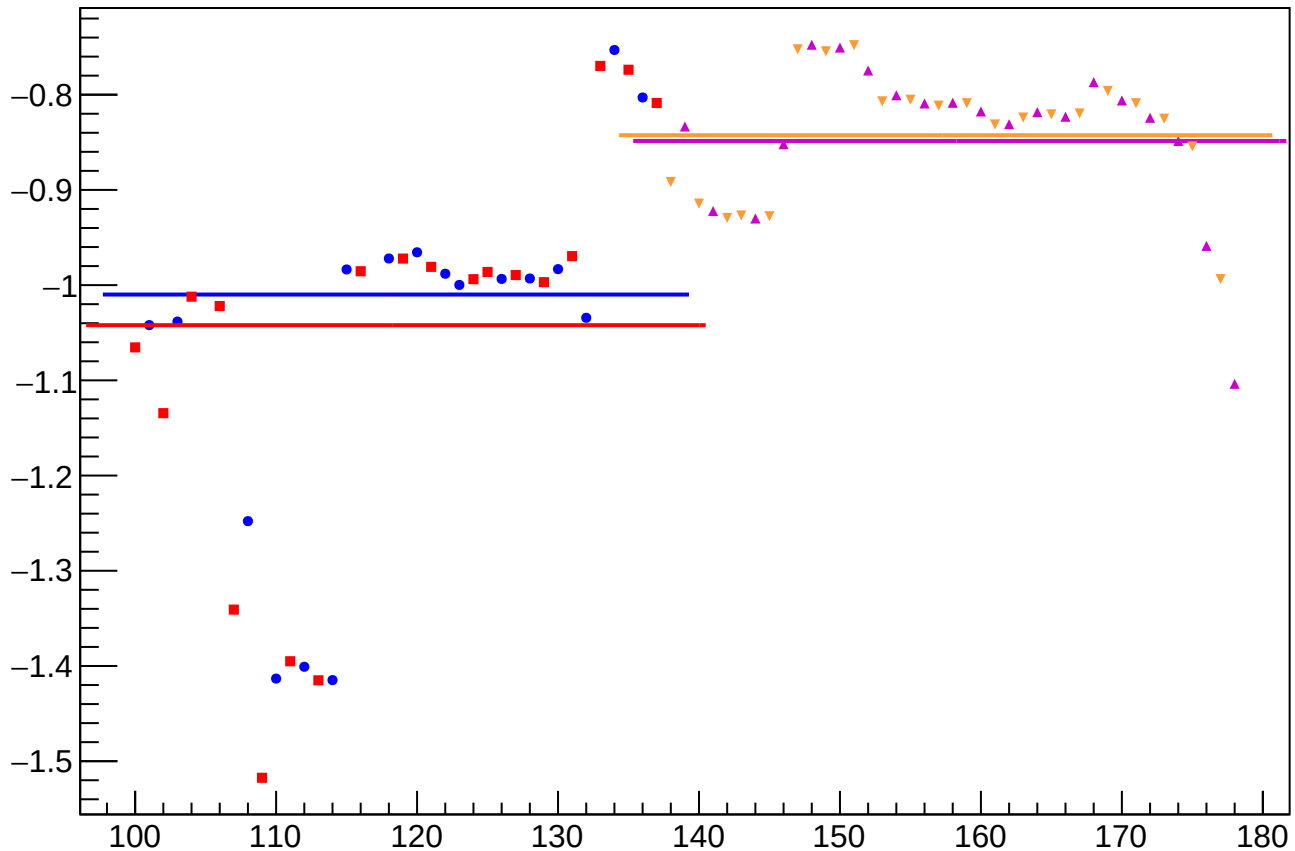
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 400091.6/19

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1873349.2/37

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3690307.8/76

- sign 0.011 $\pm$ 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: -0.843 ± 0.000 χ^2/NDF : 143921308.0/20

Right Out: -1.042 ± 0.000 χ^2/NDF : 530106141.8/18

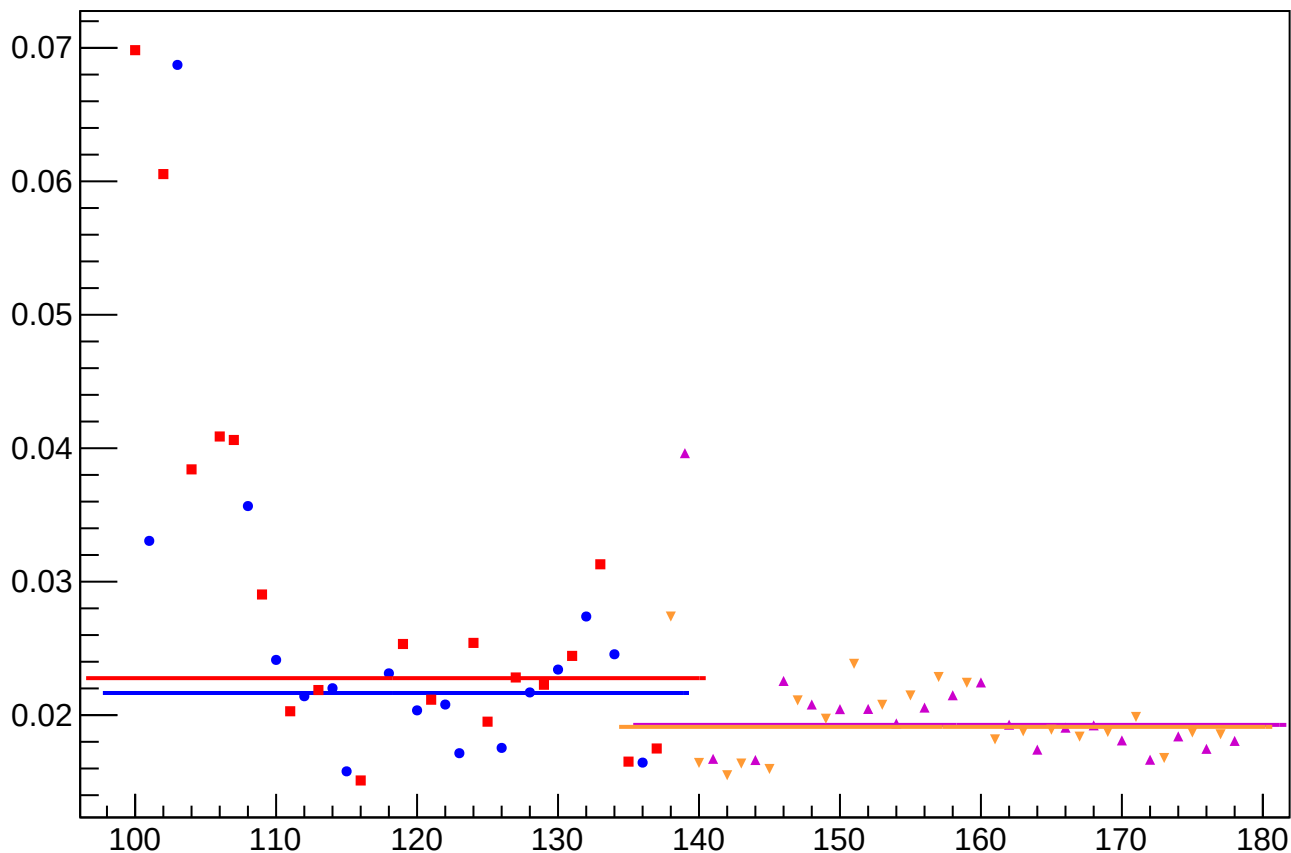
Left In: -0.849 ± 0.000 χ^2/NDF : 246174525.7/19

+ sign -0.883 ± 0.000 χ^2/NDF : 763051485.6/37

All: -0.888 ± 0.000 χ^2/NDF : 1836150461.1/7

- 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: 425391.8/20

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152617.8/18

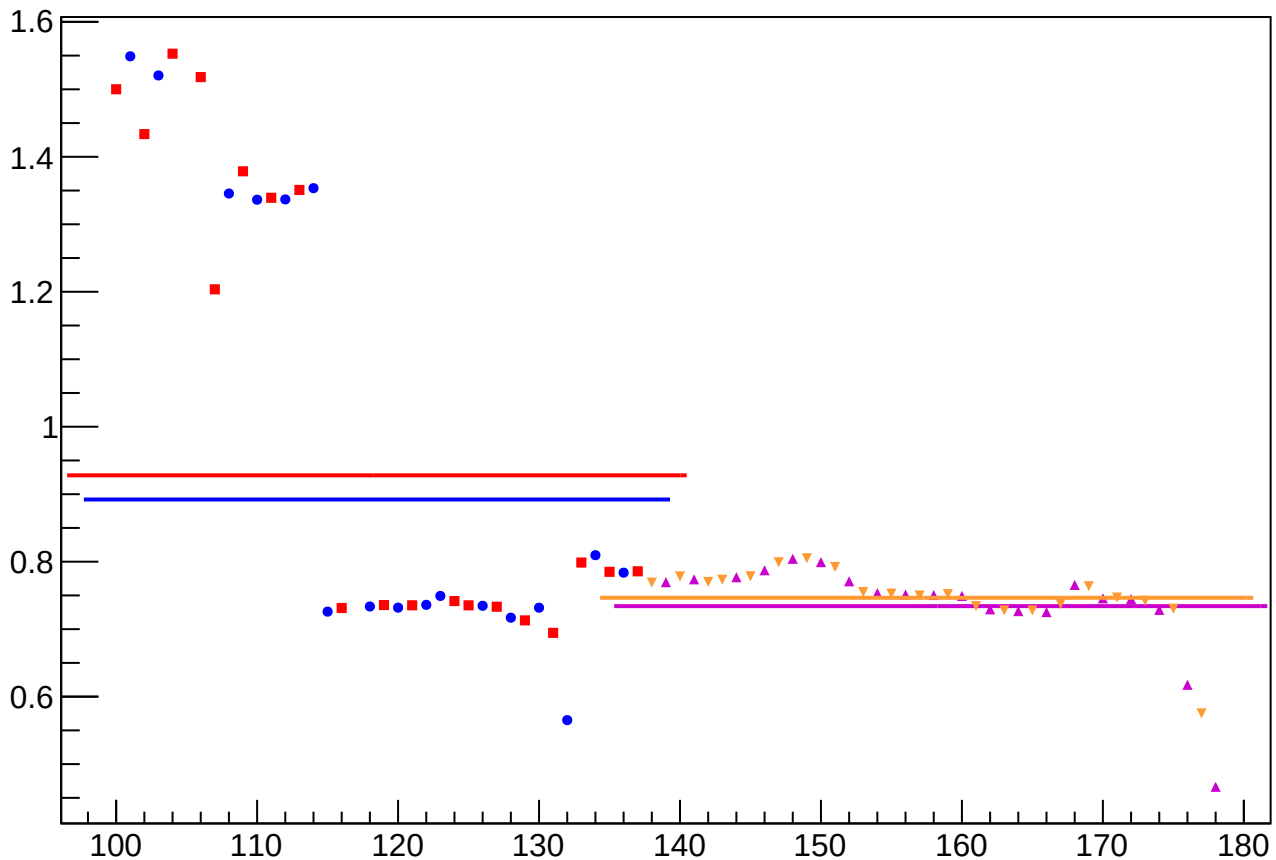
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 569988.6/19

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1515476.0/37

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3436650.6/76

- 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: 0.746 $\pm$ 0.000 χ^2 /NDF:220783973.2/20

+ sign 0.778 $\pm$ 0.000 χ^2 /NDF: 3096626356.6/37

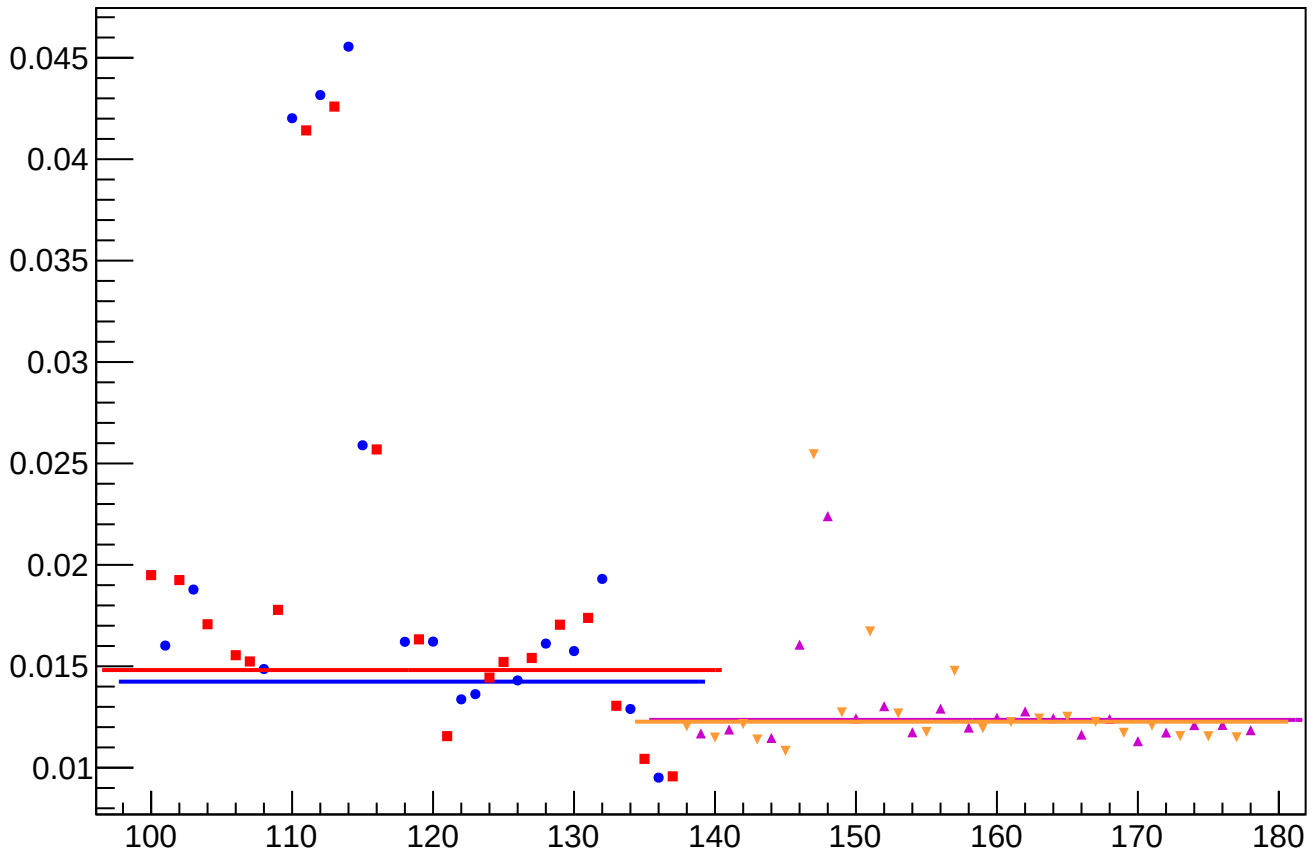
Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2437542089.2/18

All: 0.777 $\pm$ 0.000 χ^2 /NDF: 6873542940.3/70

Left In: 0.734 $\pm$ 0.000 χ^2 /NDF:539283157.7/19

- sign 0.777 $\pm$ 0.000 χ^2 /NDF: 3776775994.9/38

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 614913.4/20

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1274172.7/18

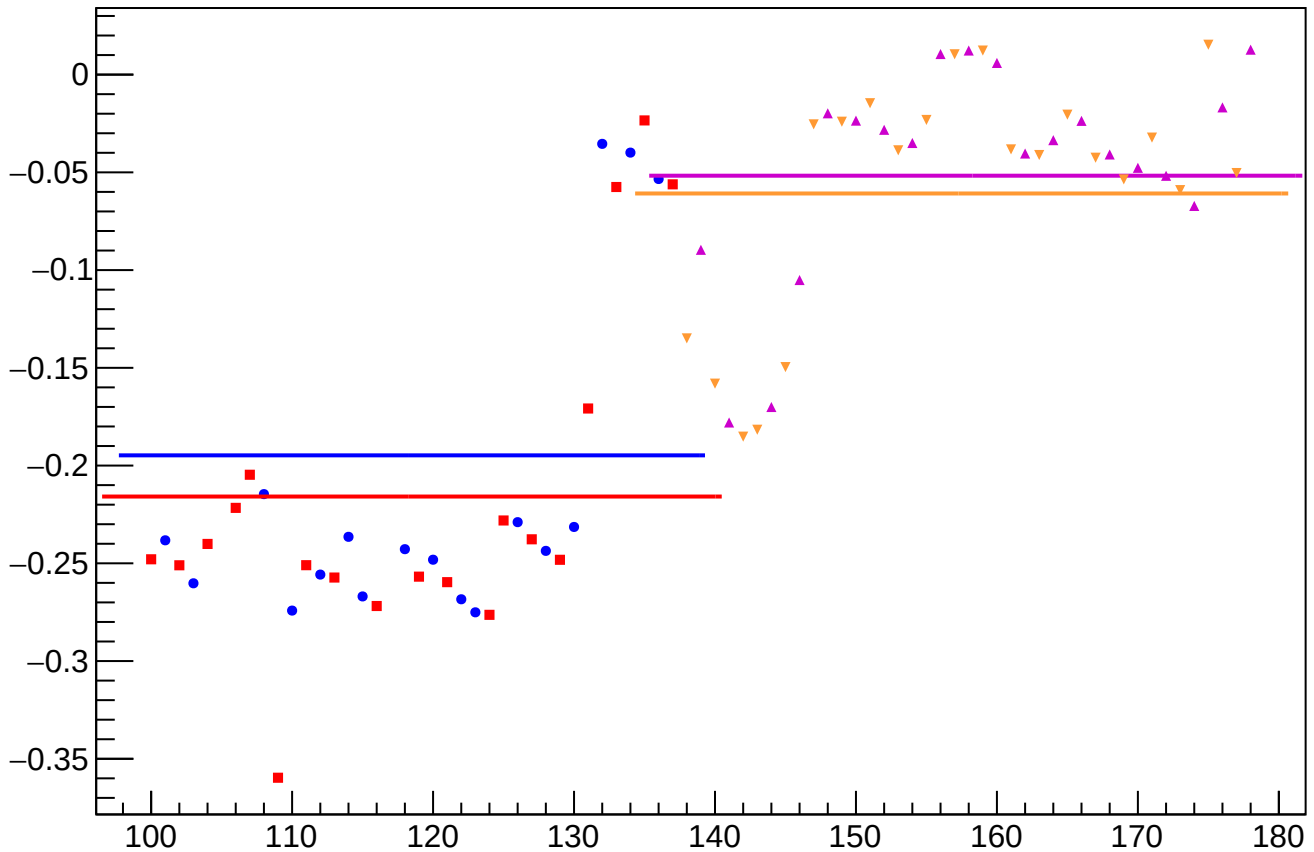
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 440670.7/19

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 2200335.6/37

All: 0.013 $\pm$ 0.000 χ^2/NDF : 4177125.3/76

- 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: -0.061 ± 0.000 χ^2/NDF : 126585895.6/20

Right Out: -0.216 ± 0.000 χ^2/NDF : 111983904.6/18

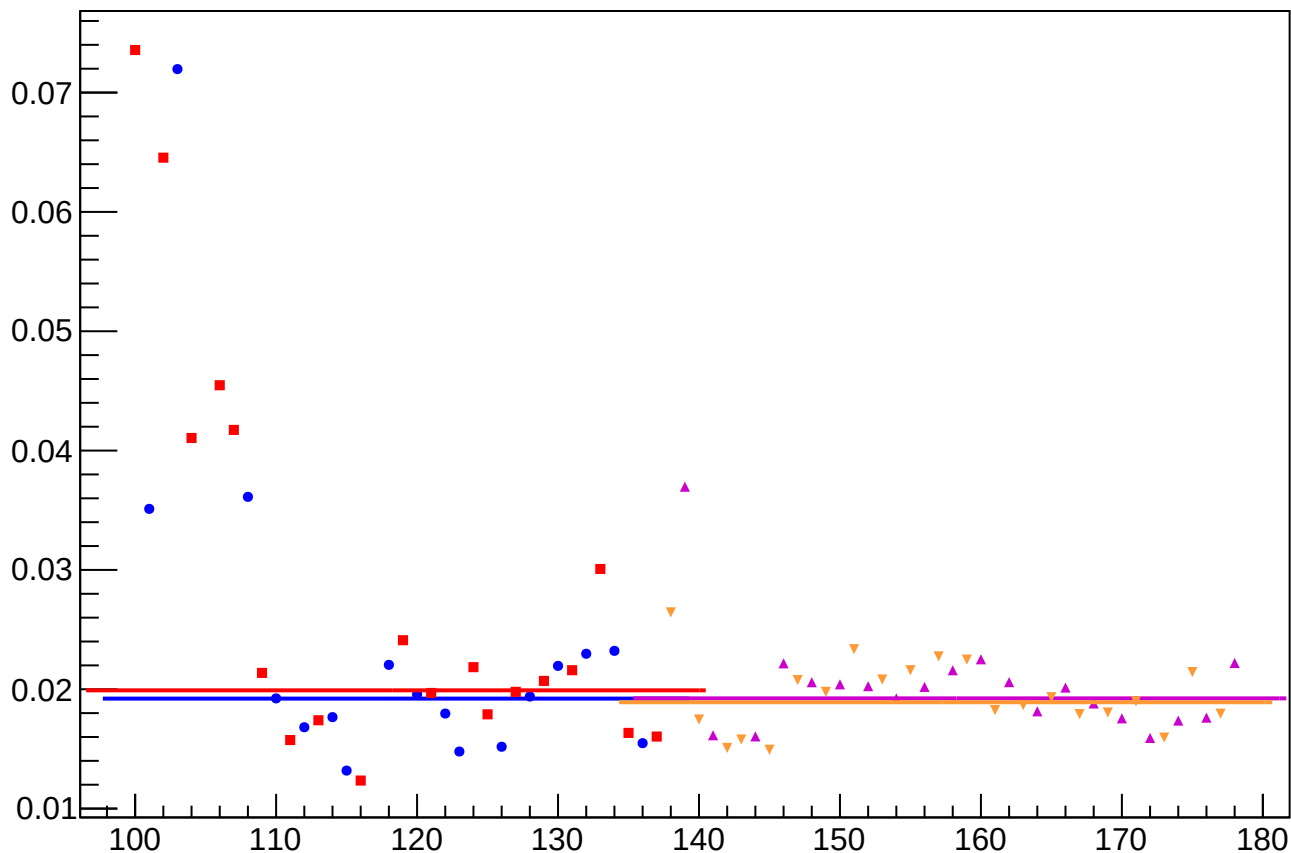
Left In: -0.052 ± 0.000 χ^2/NDF : 106060942.2/19

+ sign -0.098 ± 0.000 χ^2/NDF : 411568089.4/37

All: -0.098 ± 0.000 χ^2/NDF : 883092476.6/76

- 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: 497268.7/20

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1446950.0/18

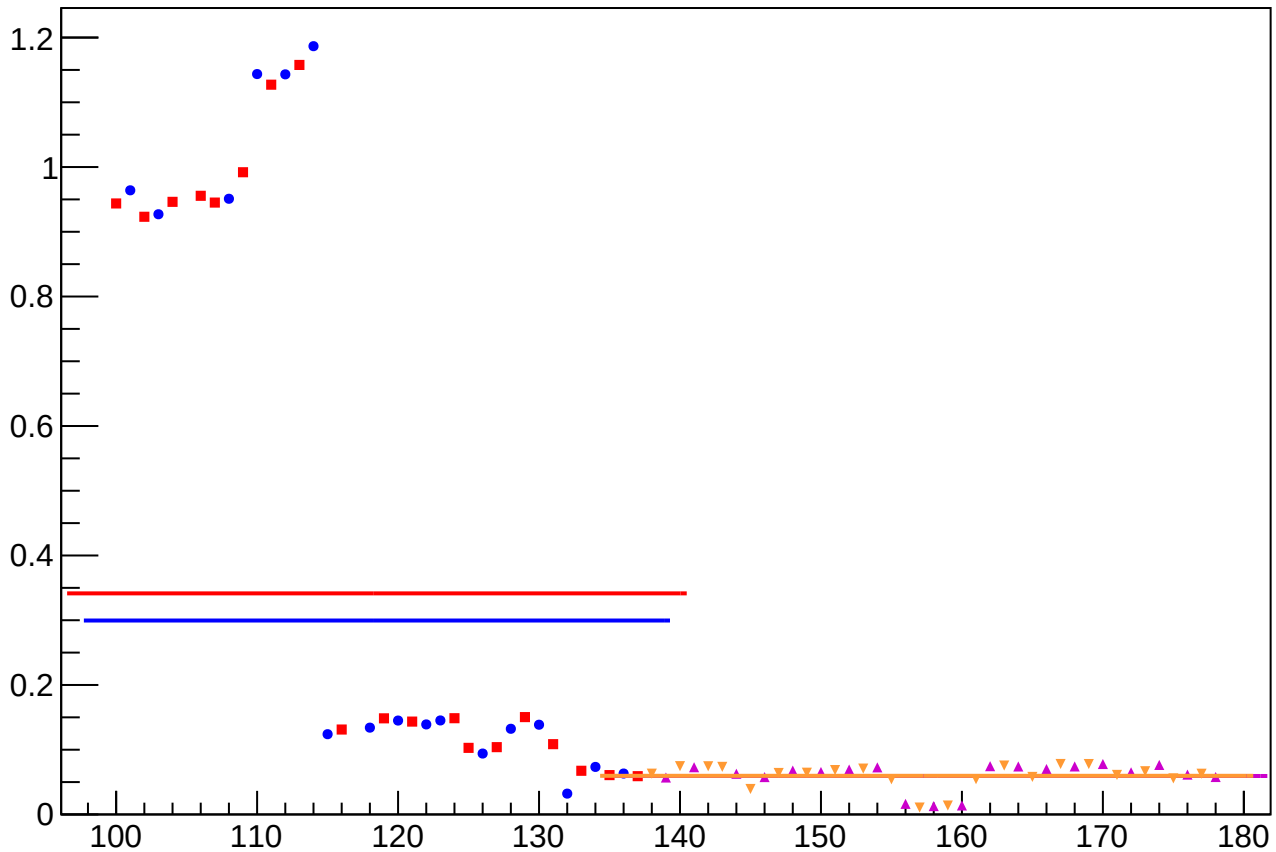
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 605924.5/19

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1676178.8/37

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3746390.4/76

- 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: 0.060 $\pm$ 0.000 χ^2/NDF : 44010642.6/20

Right Out: 0.341 $\pm$ 0.000 χ^2/NDF : 5450600455.1/18

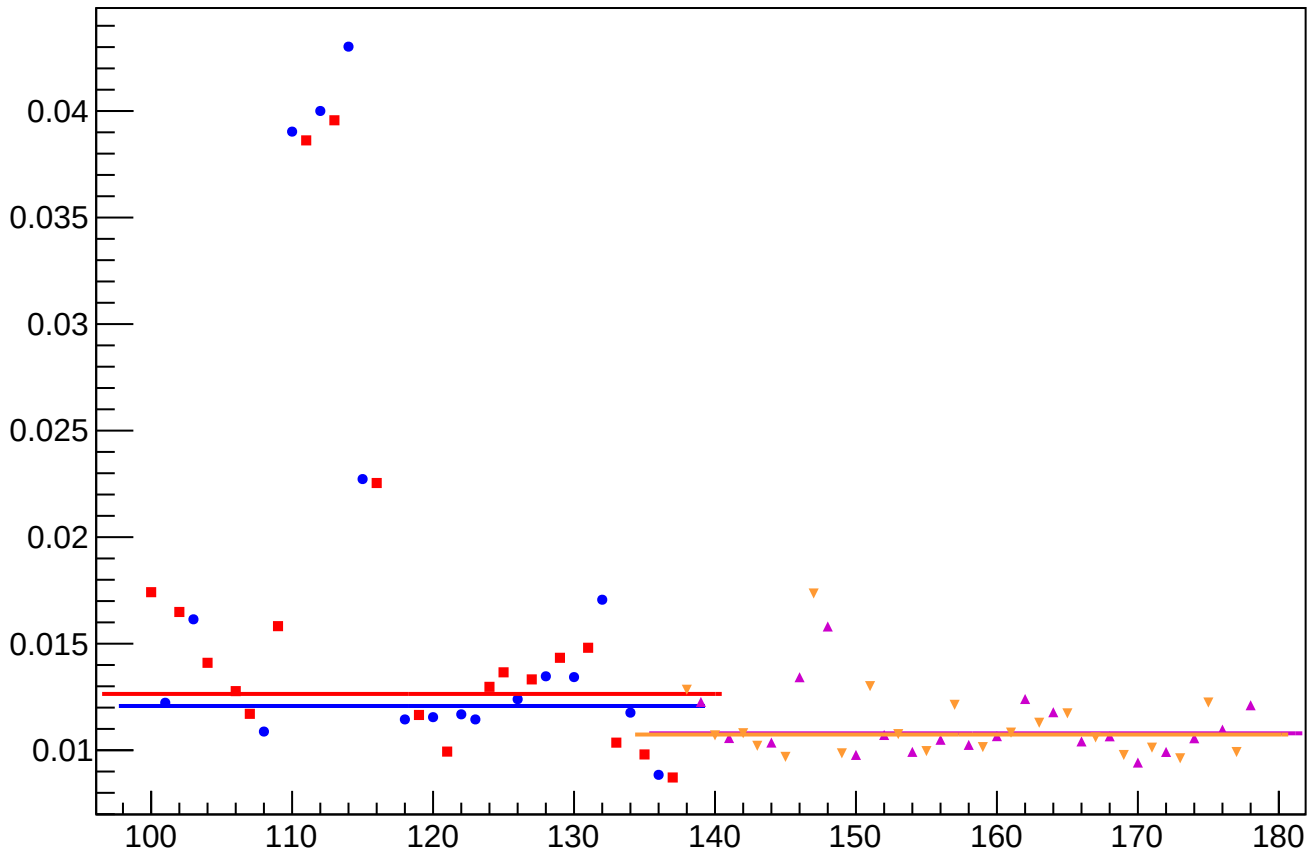
Left In: 0.059 $\pm$ 0.000 χ^2/NDF : 57226184.6/19

+ sign 0.115 $\pm$ 0.000 χ^2/NDF : 6930894282.8/37

All: 0.119 $\pm$ 0.000 χ^2/NDF : 14711277800.8/77

- 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 : 453127.5/20

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1237706.0/18

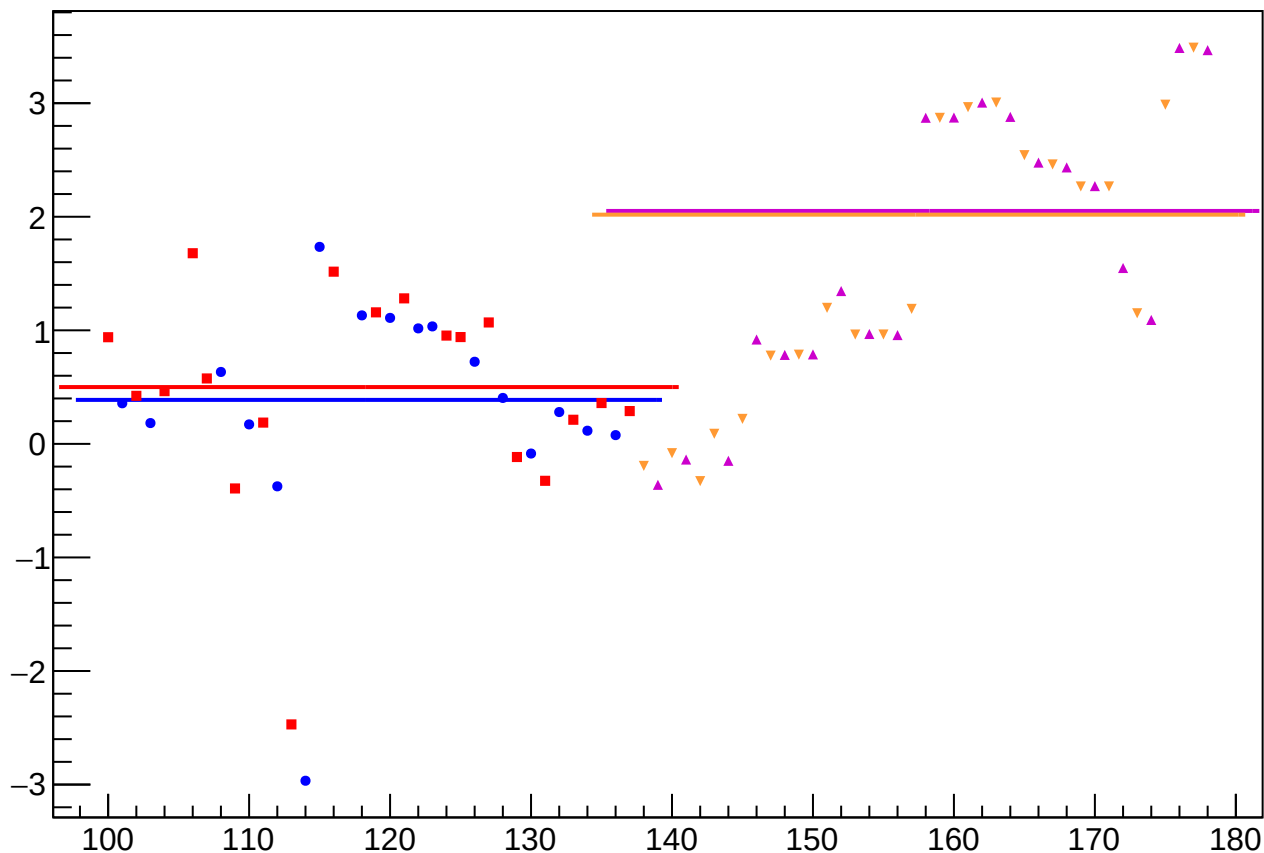
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 366275.8/19

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 1842576.3/37

All: 0.011 $\pm$ 0.000 χ^2/NDF : 3645928.7/76

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 1798648.3/38

yield_bpm1X_mean vs Slug



Right In: 0.387 ± 0.000 χ^2/NDF : 247912593.5/16

Left Out: 2.018 ± 0.000 χ^2/NDF : 37085749494.4/20

Right Out: 0.500 ± 0.000 χ^2/NDF : 983360928.1/18

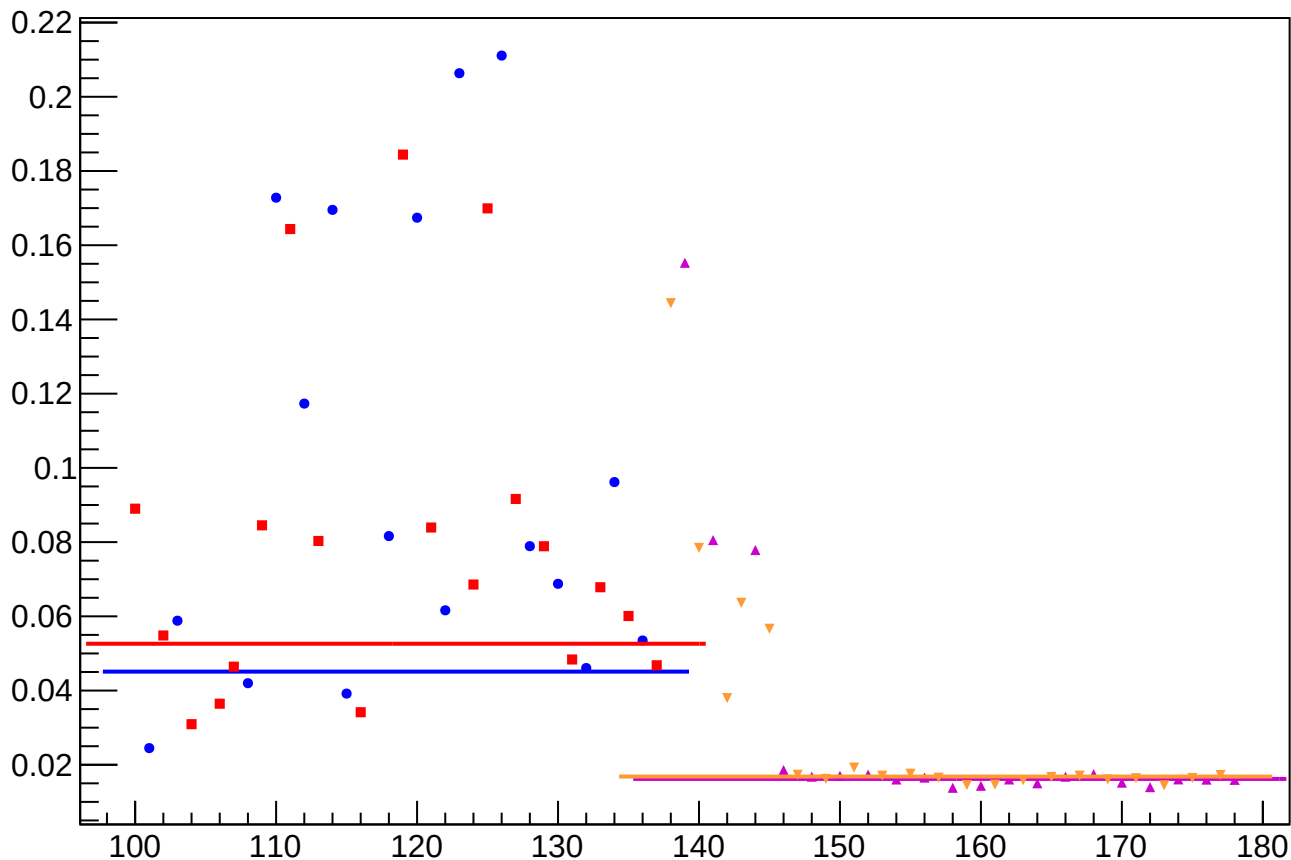
Left In: 2.051 ± 0.000 χ^2/NDF : 42150979049.1/19

+ sign 1.952 ± 0.000 χ^2/NDF : 41798425078.8/37

All: 1.977 ± 0.000 χ^2/NDF : 88459053932.6/7

- sign 2.001 ± 0.000 χ^2/NDF : 46608342754.2/38

yield_bpm1X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2846218.9/16

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 2776795.9/20

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2190515.9/18

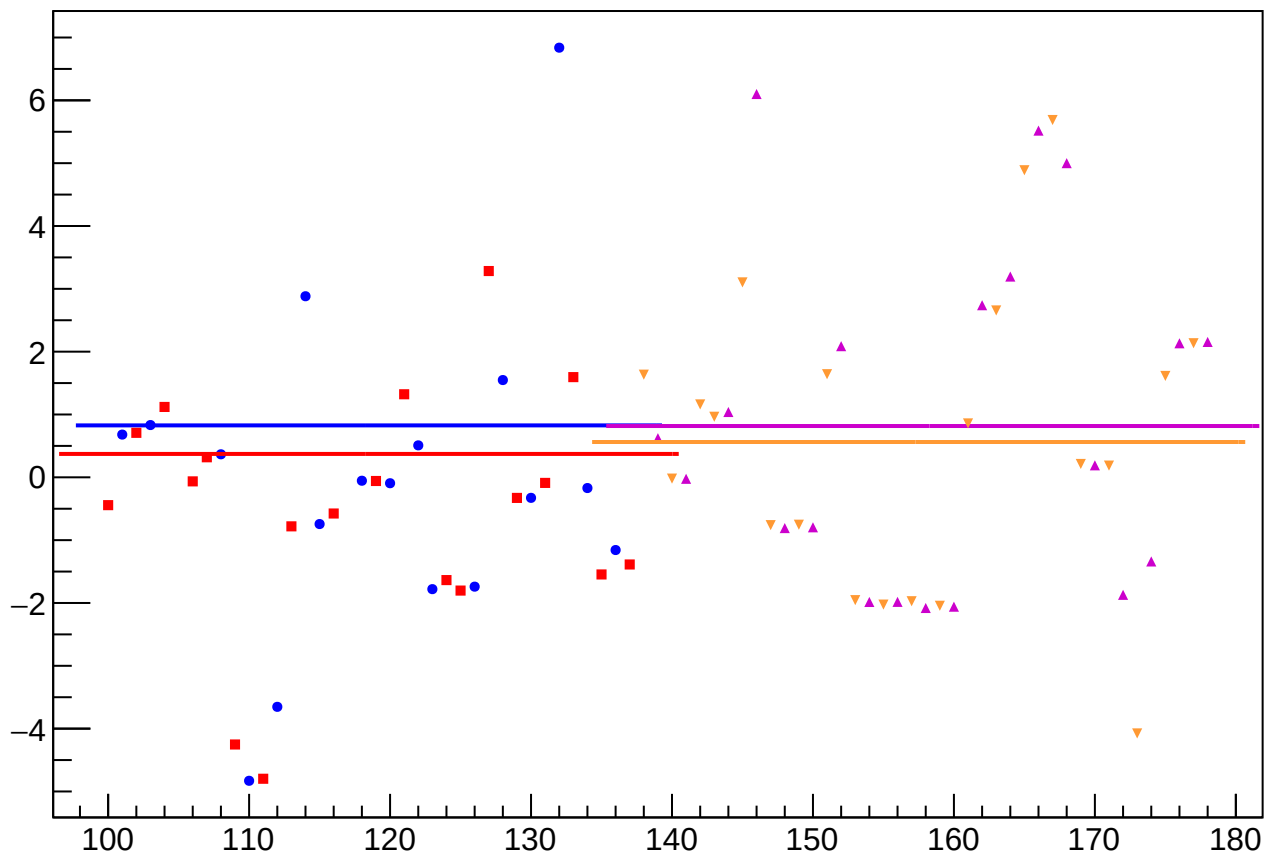
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF: 2381236.9/19

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 8306323.3/37

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 16727567.7/76

- sign 0.017 $\pm$ 0.000 χ^2 /NDF: 8404909.9/38

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 $\chi^2/\text{NDF}: 10936458870.4/16$

Left Out: 0.562 ± 0.000 $\chi^2/\text{NDF}: 484981645732.1/20$

Right Out: 0.372 ± 0.000 $\chi^2/\text{NDF}: 4972900338.2/18$

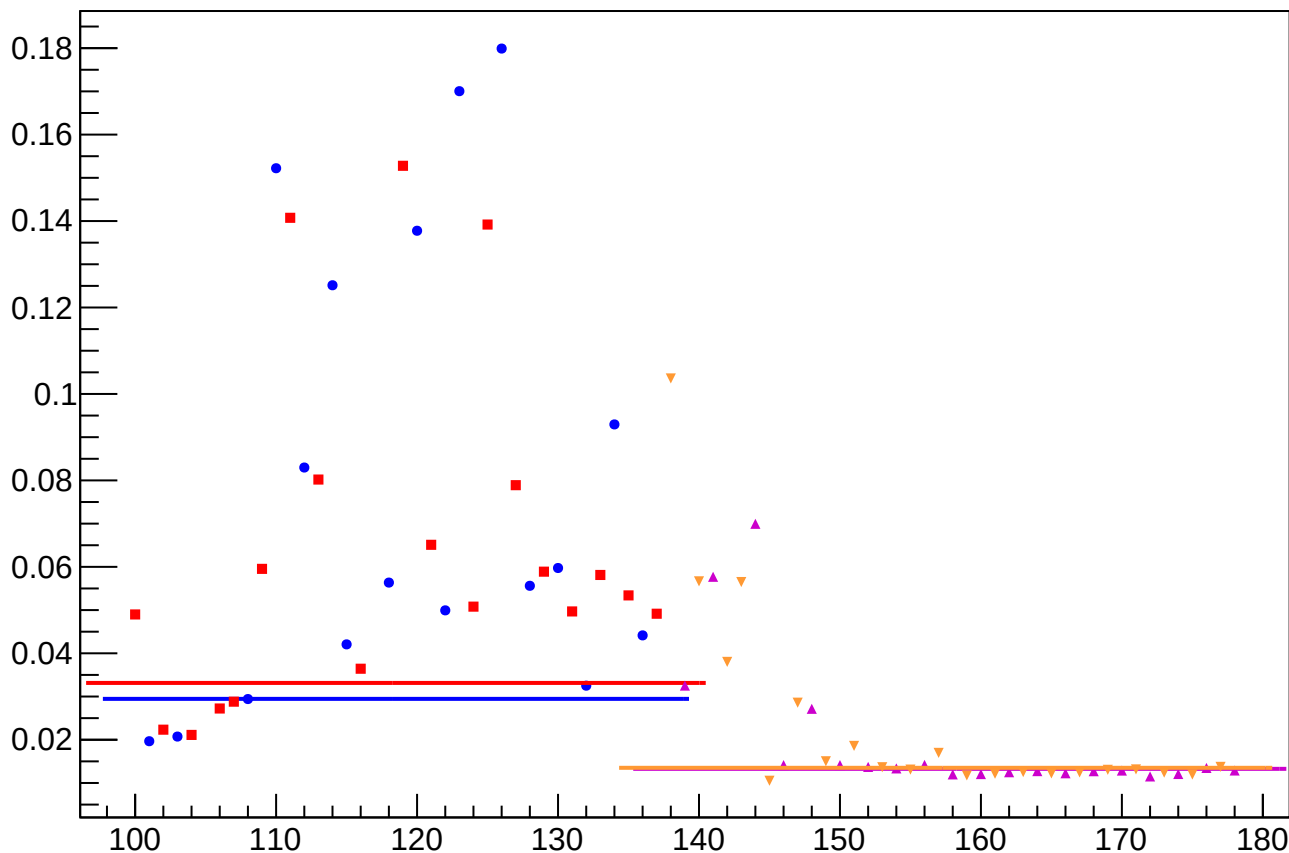
Left In: 0.817 ± 0.000 $\chi^2/\text{NDF}: 555040667496.4/19$

+ sign 0.576 ± 0.000 $\chi^2/\text{NDF}: 496178321877.2/37$

All: 0.689 ± 0.000 $\chi^2/\text{NDF}: 1058651764676.$

- sign 0.796 ± 0.000 $\chi^2/\text{NDF}: 560672315035.2/38$

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.014+/-0.000 χ^2/NDF : 2891407.0/20

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

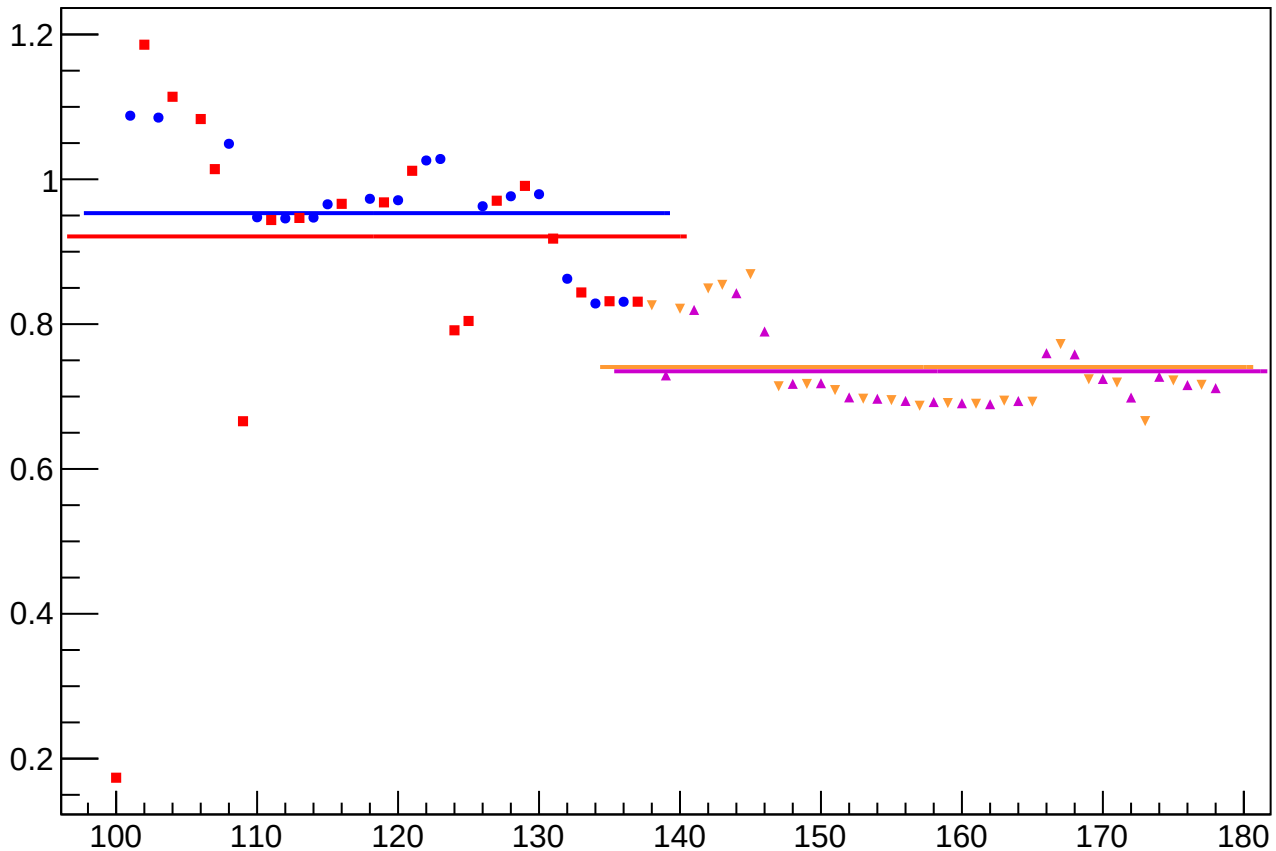
Left In: 0.013+/-0.000 χ^2/NDF : 1929008.6/19

+ sign 0.014+/-0.000 χ^2/NDF : 7839372.6/37

All: 0.014+/-0.000 χ^2/NDF : 15505348.4/76

- 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: 0.741 $\pm$ 0.000 χ^2 /NDF: 292003980.7/20

+ sign 0.803 $\pm$ 0.000 χ^2 /NDF: 1454637301.1/37

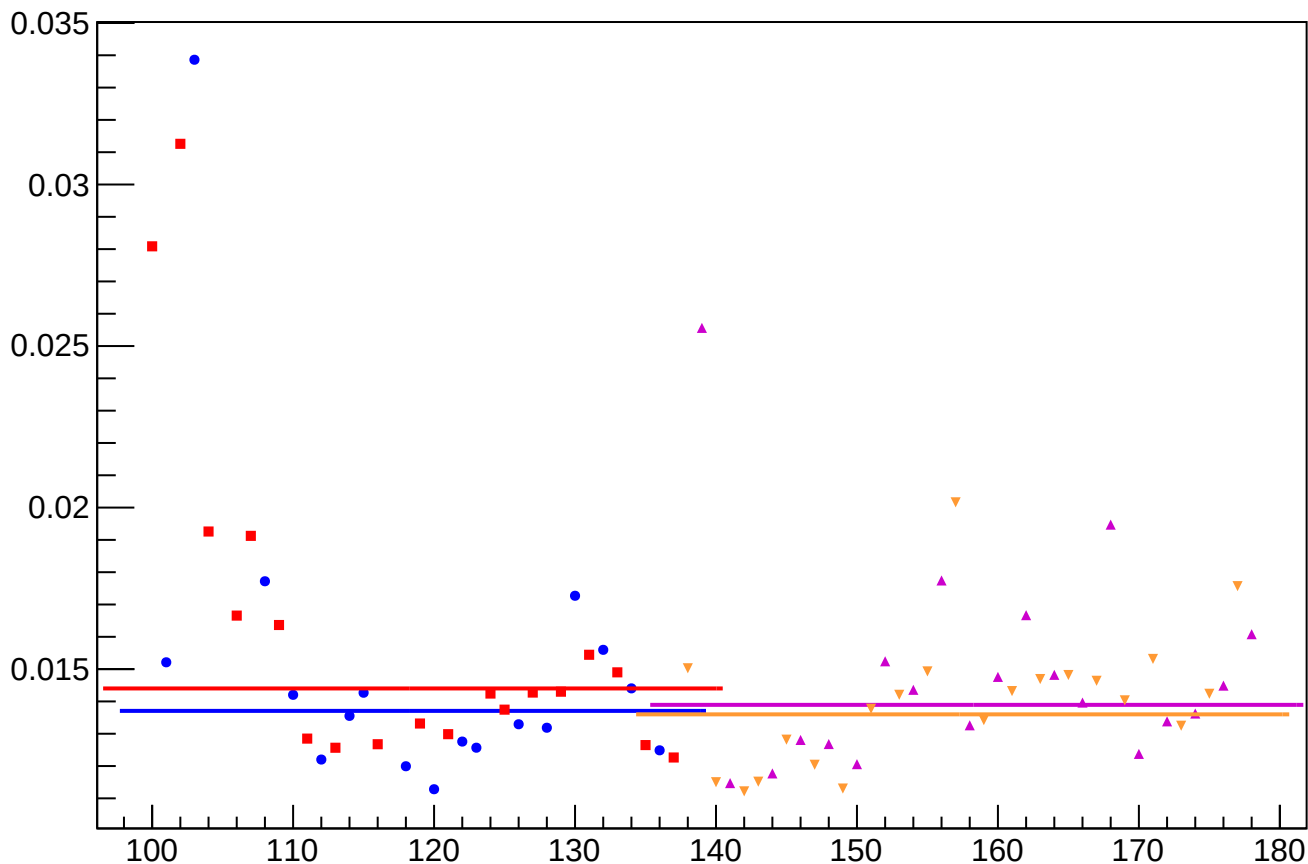
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374221279.1/18

All: 0.797 $\pm$ 0.000 χ^2 /NDF: 2724674155.2/76

- 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: 471026.5/20

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

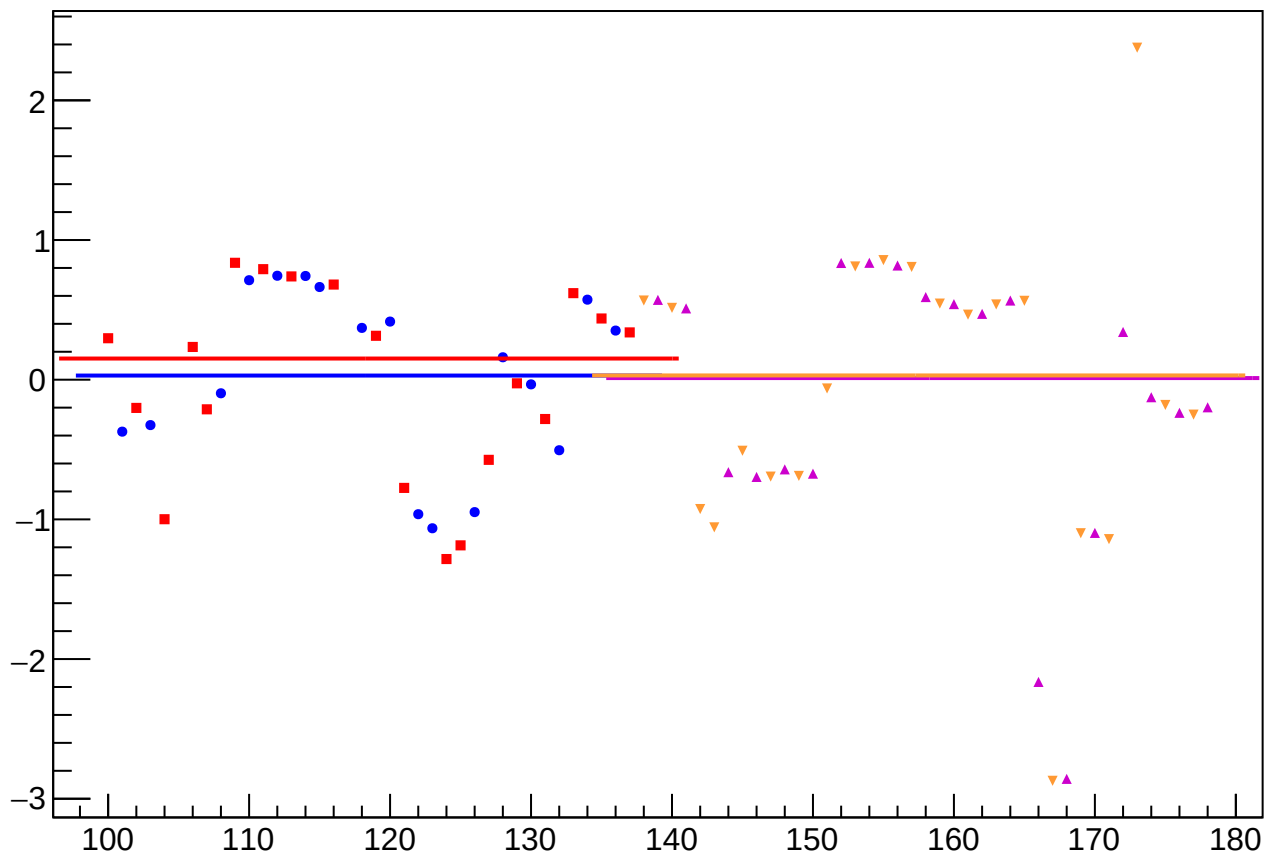
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 756207.4/19

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1017849.3/37

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2303893.9/76

- 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: 0.031 $\pm$ 0.000 χ^2 /NDF: 95482825883.5/20

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12661812059.7/18

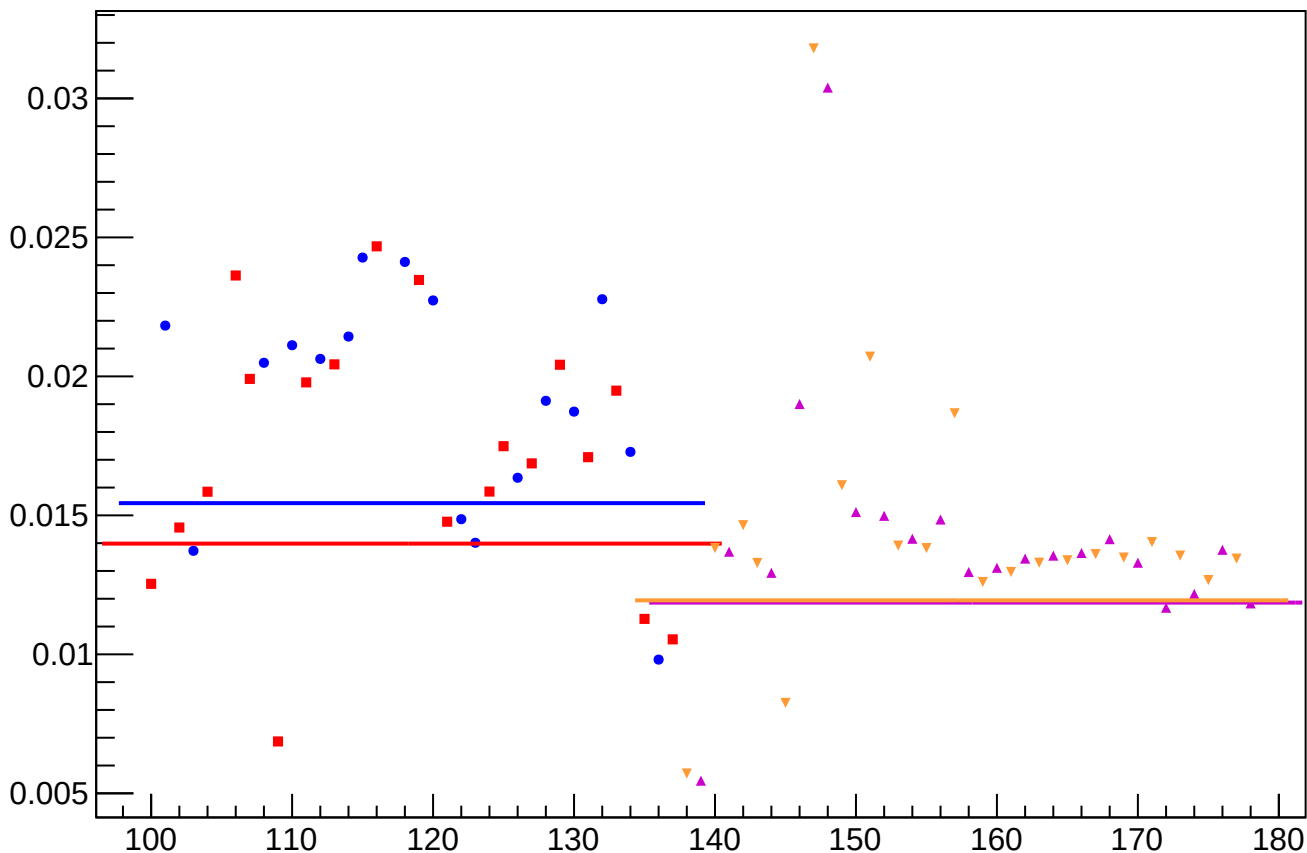
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 78759003823.1/19

+ sign 0.030 $\pm$ 0.000 χ^2 /NDF: 101777665242.1/37

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 193639408304.6

- sign 0.044 $\pm$ 0.000 χ^2 /NDF: 91849926158.5/38

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.012+/-0.000 χ^2/NDF : 3065211.6/20

Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

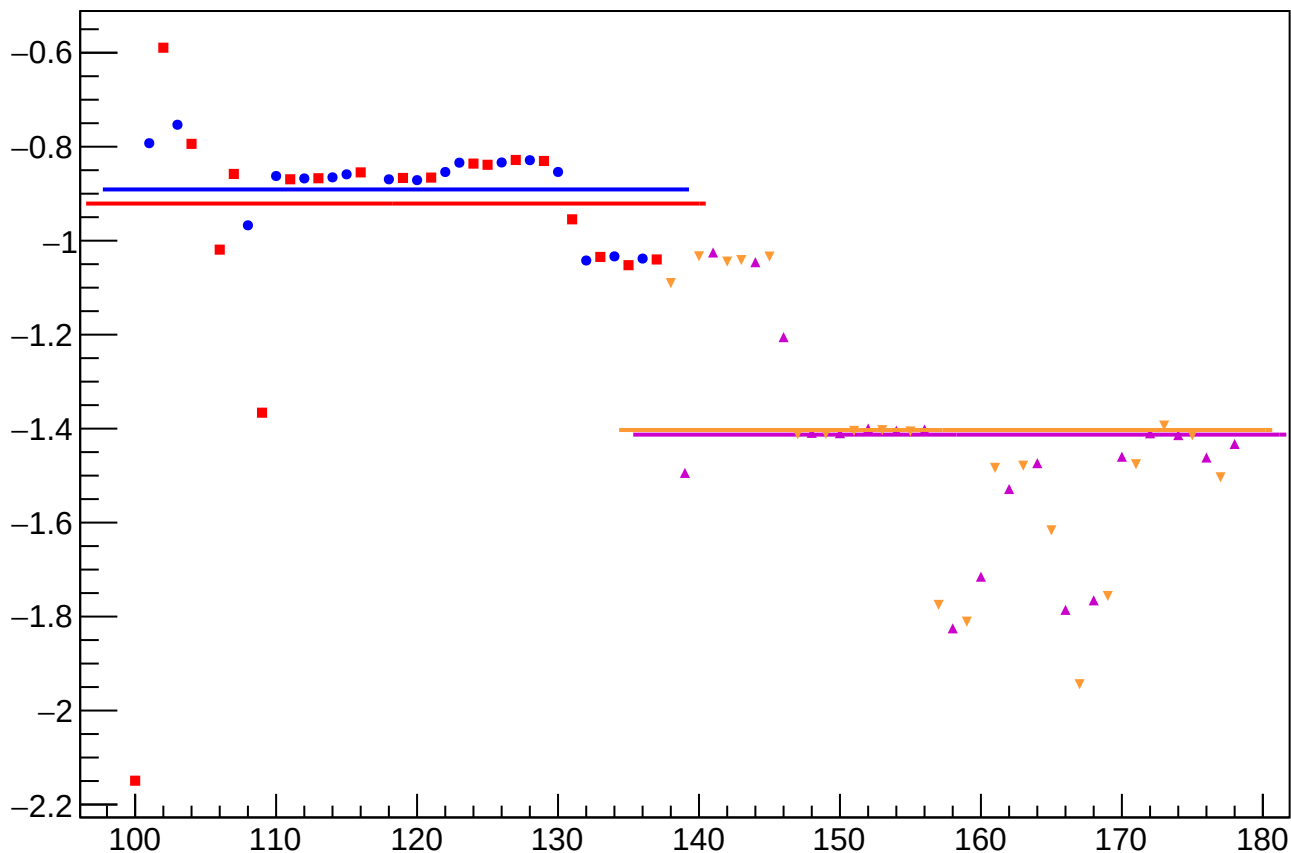
Left In: 0.012+/-0.000 χ^2/NDF : 2969083.4/19

+ sign 0.013+/-0.000 χ^2/NDF : 4690966.4/37

All: 0.012+/-0.000 χ^2/NDF : 9428174.5/76

- sign 0.012+/-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 : 721582853.1/20

Right Out: -0.921+/-0.000 χ^2/NDF : 131183059.9/18

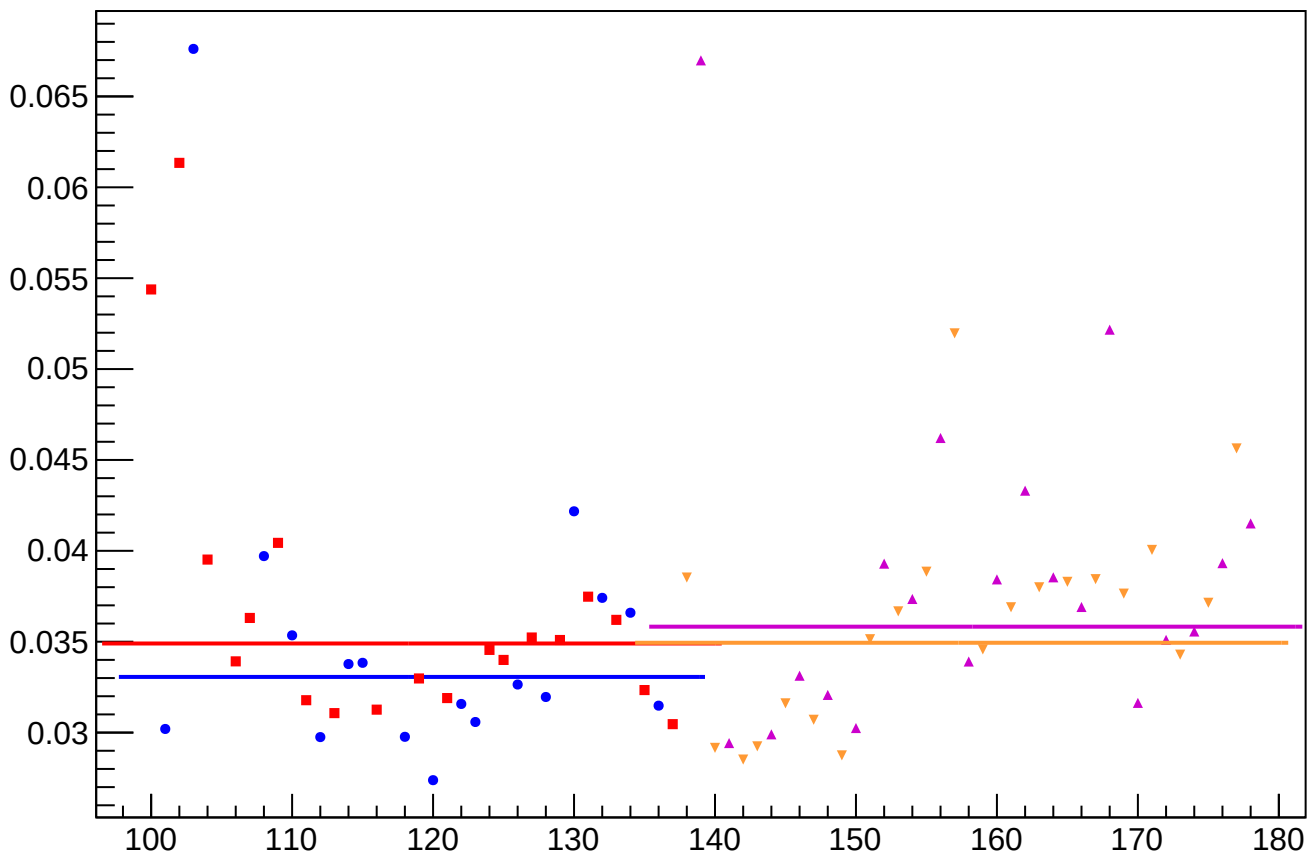
Left In: -1.413+/-0.000 χ^2/NDF : 512265965.9/19

+ sign -1.237+/-0.000 χ^2/NDF : 1711500819.8/37

All: -1.245+/-0.000 χ^2/NDF : 3182347095.8/7

- 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 : 534349.3/20

Right Out: 0.035+/-0.000 χ^2/NDF : 274270.8/18

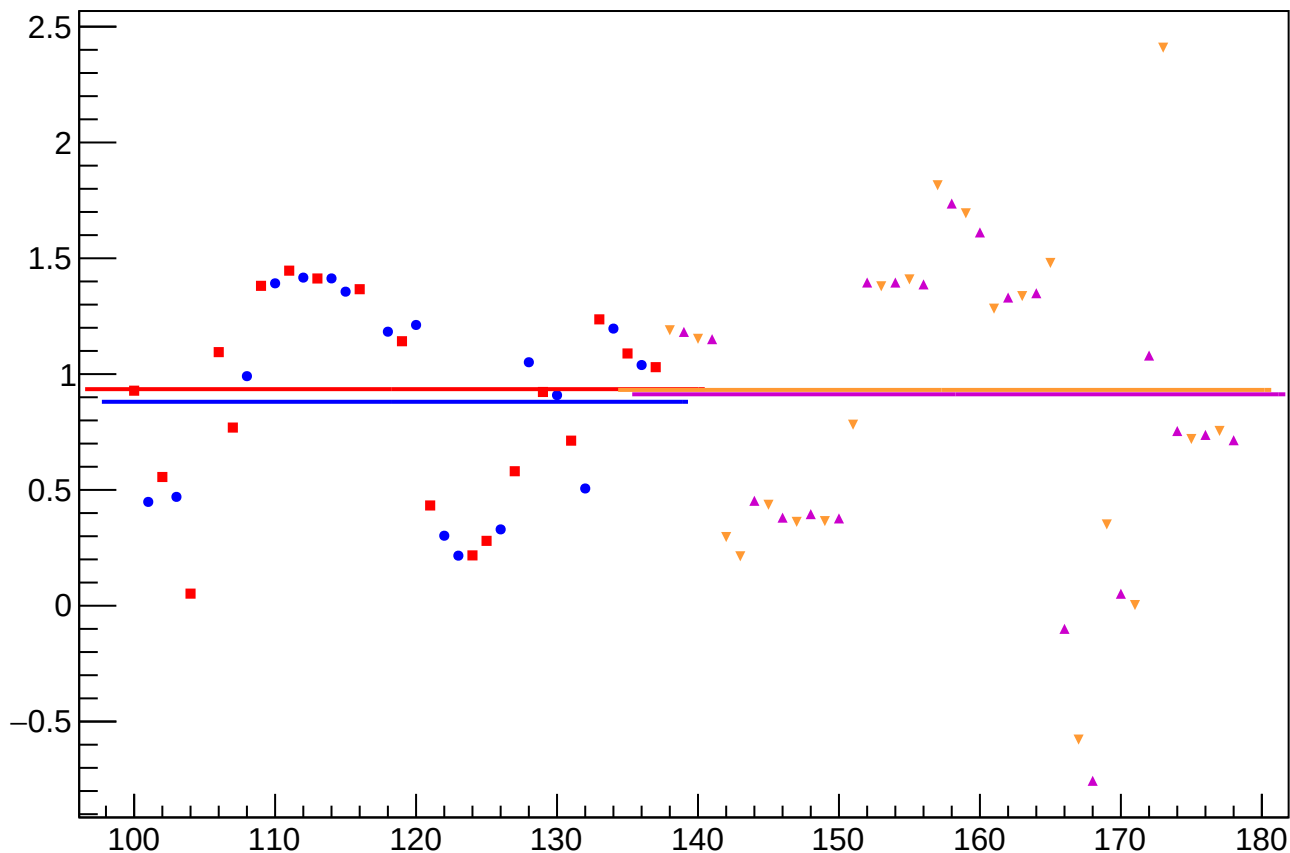
Left In: 0.036+/-0.000 χ^2/NDF : 848101.6/19

+ sign 0.034+/-0.000 χ^2/NDF : 969256.1/37

All: 0.035+/-0.000 χ^2/NDF : 2120382.6/76

- sign 0.036+/-0.000 χ^2/NDF : 1128214.2/38

yield_bpm12Y_mean vs Slug



Right In: 0.880 ± 0.000 χ^2/NDF : 6400108121.4/16

Left Out: 0.932 ± 0.000 χ^2/NDF : 82921289575.4/20

Right Out: 0.935 ± 0.000 χ^2/NDF : 9833525935.6/18

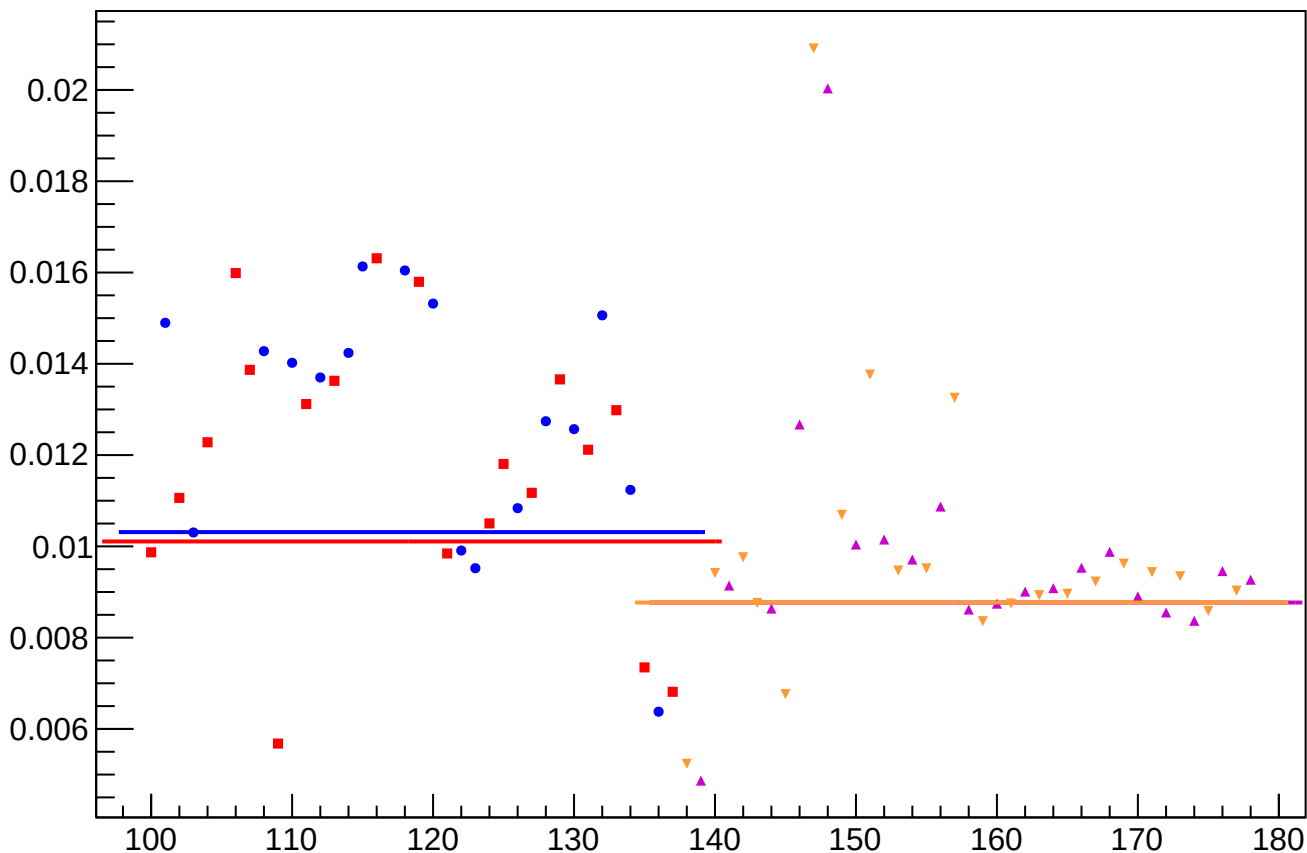
Left In: 0.913 ± 0.000 χ^2/NDF : 66173054207.0/19

+ sign 0.920 ± 0.000 χ^2/NDF : 89429599395.9/37

All: 0.919 ± 0.000 χ^2/NDF : 165458272487.9

- sign 0.918 ± 0.000 χ^2/NDF : 76028033766.6/38

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1231066.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 1695456.7/20

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

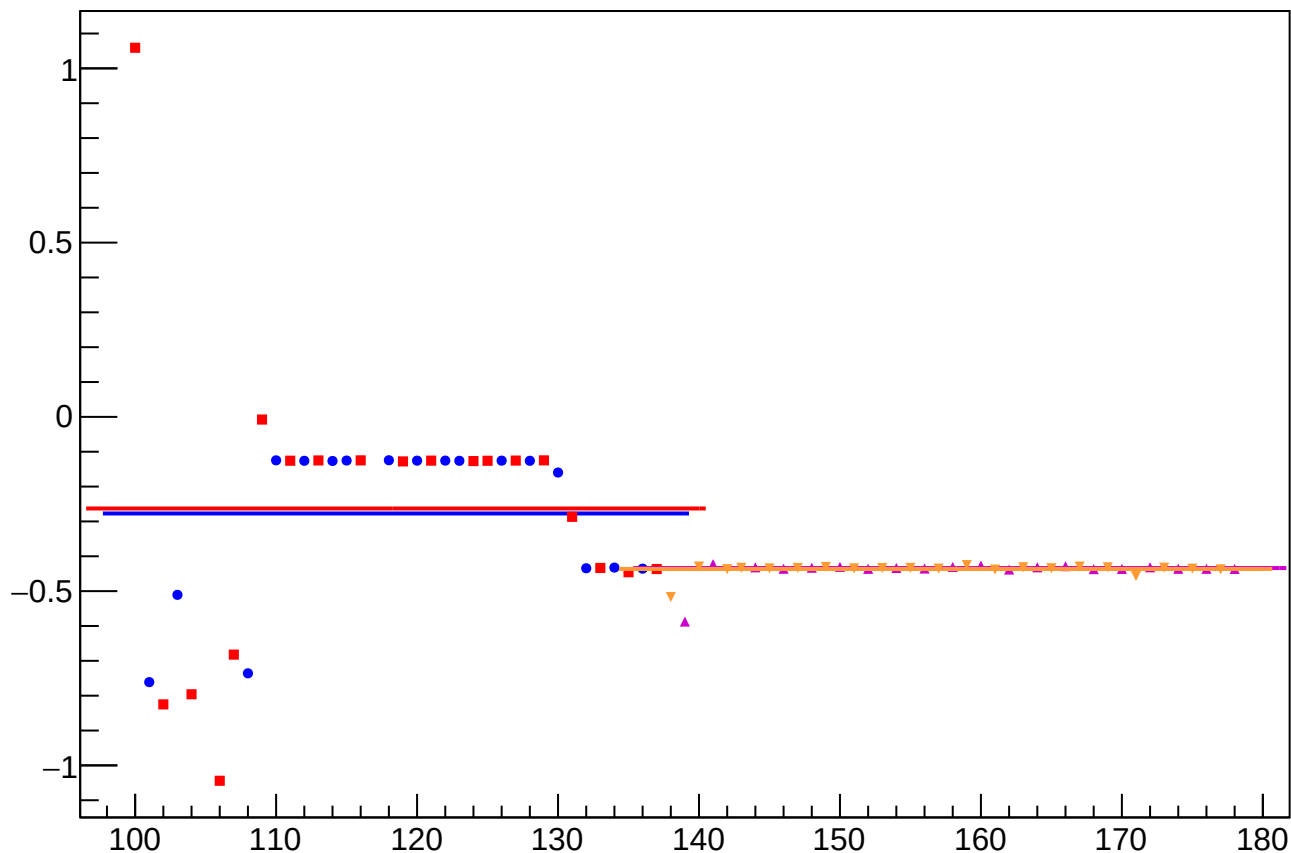
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1607872.2/19

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3122296.5/37

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6064110.3/76

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2941727.1/38

yield_bpm16X_mean vs Slug



Right In: -0.277 ± 0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.436 ± 0.000 χ^2/NDF : 28749787.4/20

Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

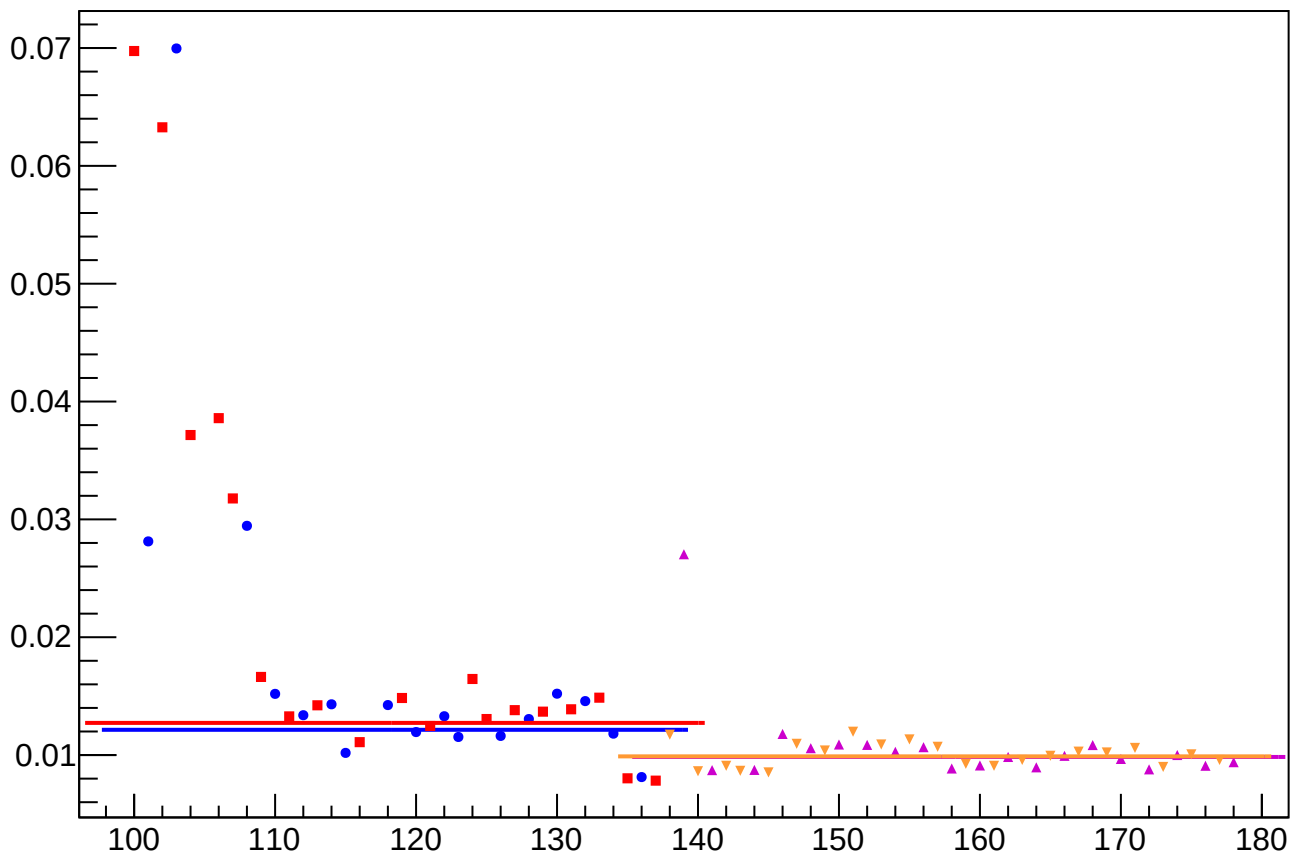
Left In: -0.434 ± 0.000 χ^2/NDF : 23787464.5/19

+ sign -0.406 ± 0.000 χ^2/NDF : 1625646639.2/37

All: -0.404 ± 0.000 χ^2/NDF : 3372136153.7/77

- 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: 248255.9/20

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1969165.0/18

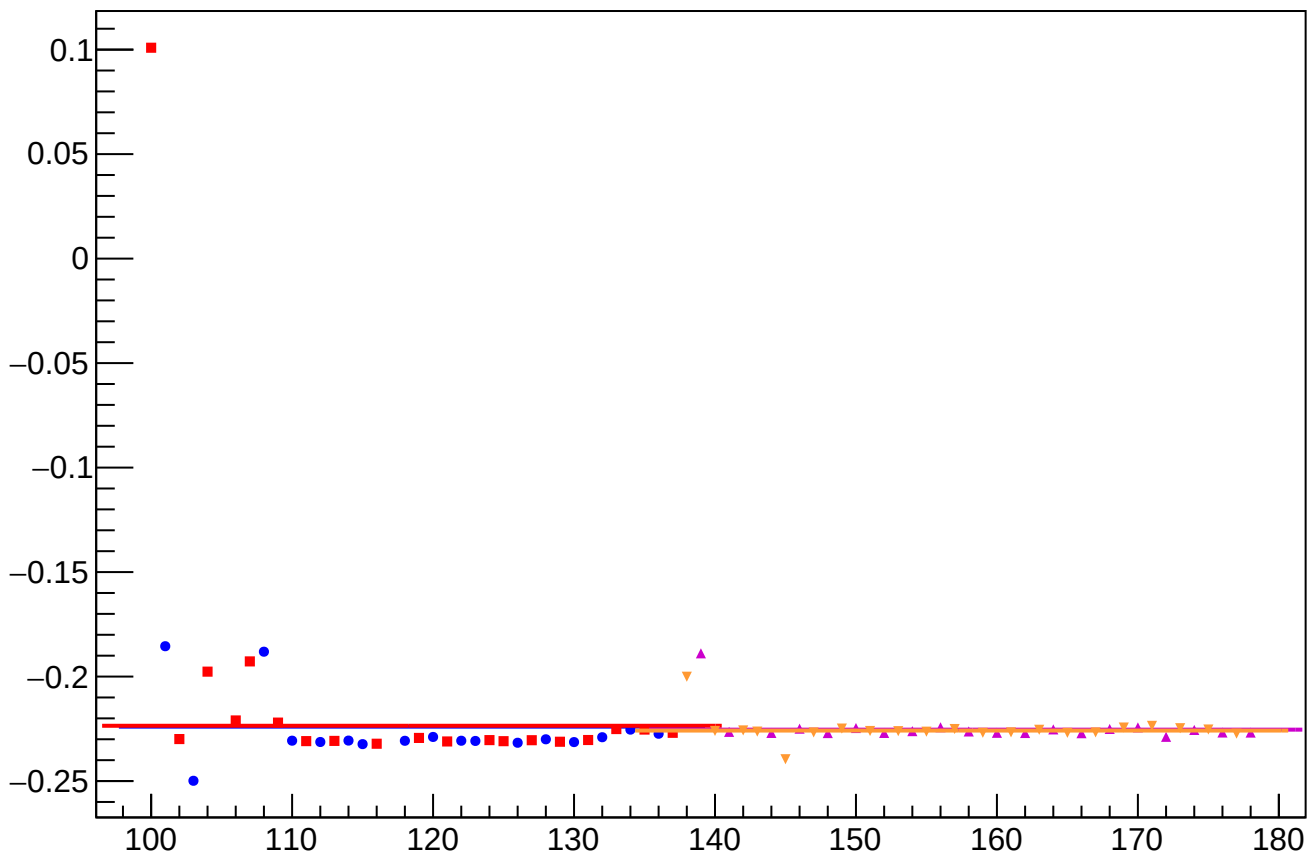
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 737302.9/19

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2239086.1/37

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5353957.6/76

- 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 : 20935934.1/20

+ sign -0.225+/-0.000 χ^2/NDF : 96301605.8/37

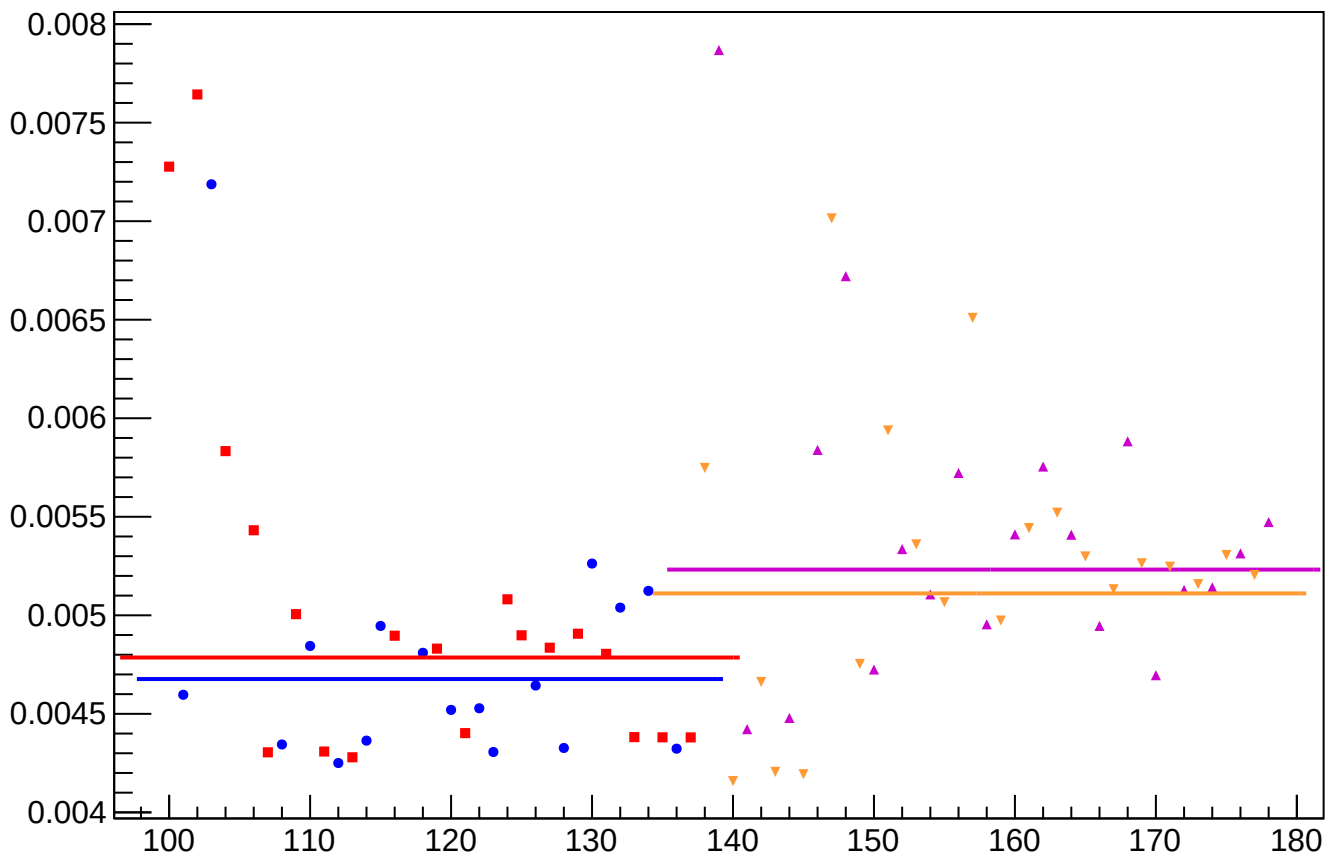
Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

All: -0.225+/-0.000 χ^2/NDF : 279940151.3/76

Left In: -0.225+/-0.000 χ^2/NDF : 14798735.4/19

- 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 : 454210.5/20

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

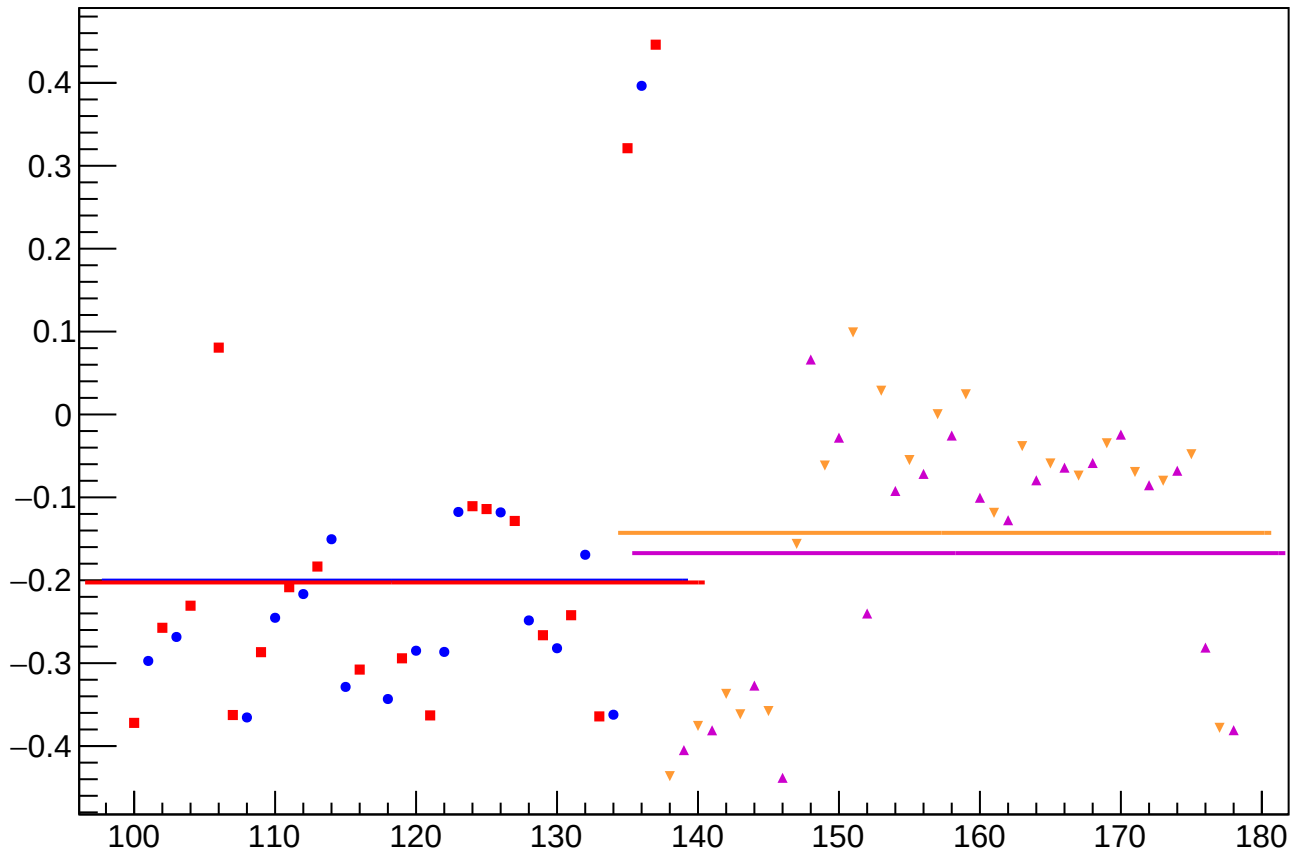
Left In: 0.005+/-0.000 χ^2/NDF : 429991.9/19

+ sign 0.005+/-0.000 χ^2/NDF : 705550.5/37

All: 0.005+/-0.000 χ^2/NDF : 1466325.5/76

- 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: -0.143 ± 0.000 χ^2/NDF : 13460852361.4/20

Right Out: -0.203 ± 0.000 χ^2/NDF : 5028268807.1/18

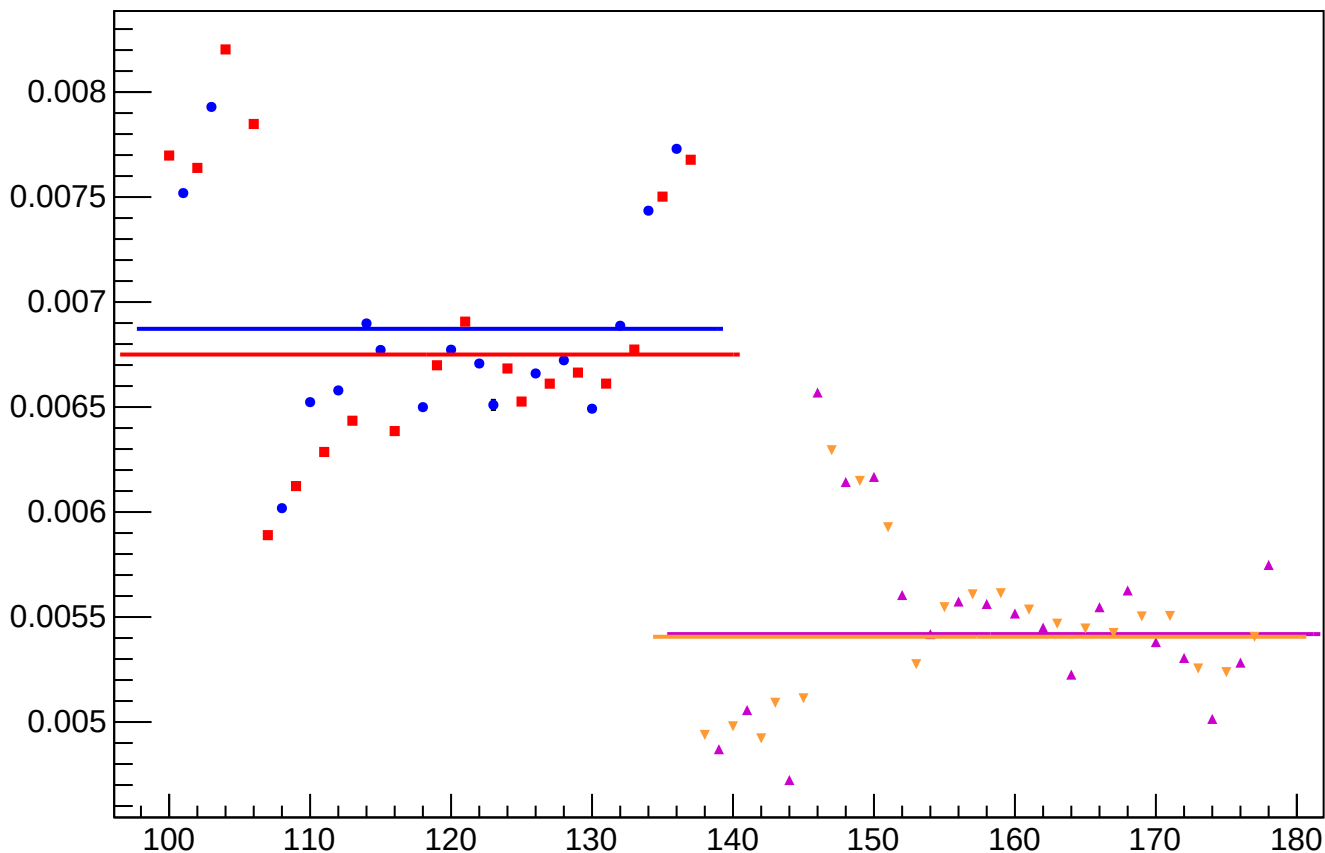
Left In: -0.167 ± 0.000 χ^2/NDF : 10637361765.7/19

+ sign -0.155 ± 0.000 χ^2/NDF : 19797251092.8/37

All: -0.165 ± 0.000 χ^2/NDF : 35742867128.1/38

- 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 : 109547.4/20

Right Out: 0.007+/-0.000 χ^2/NDF : 105124.4/18

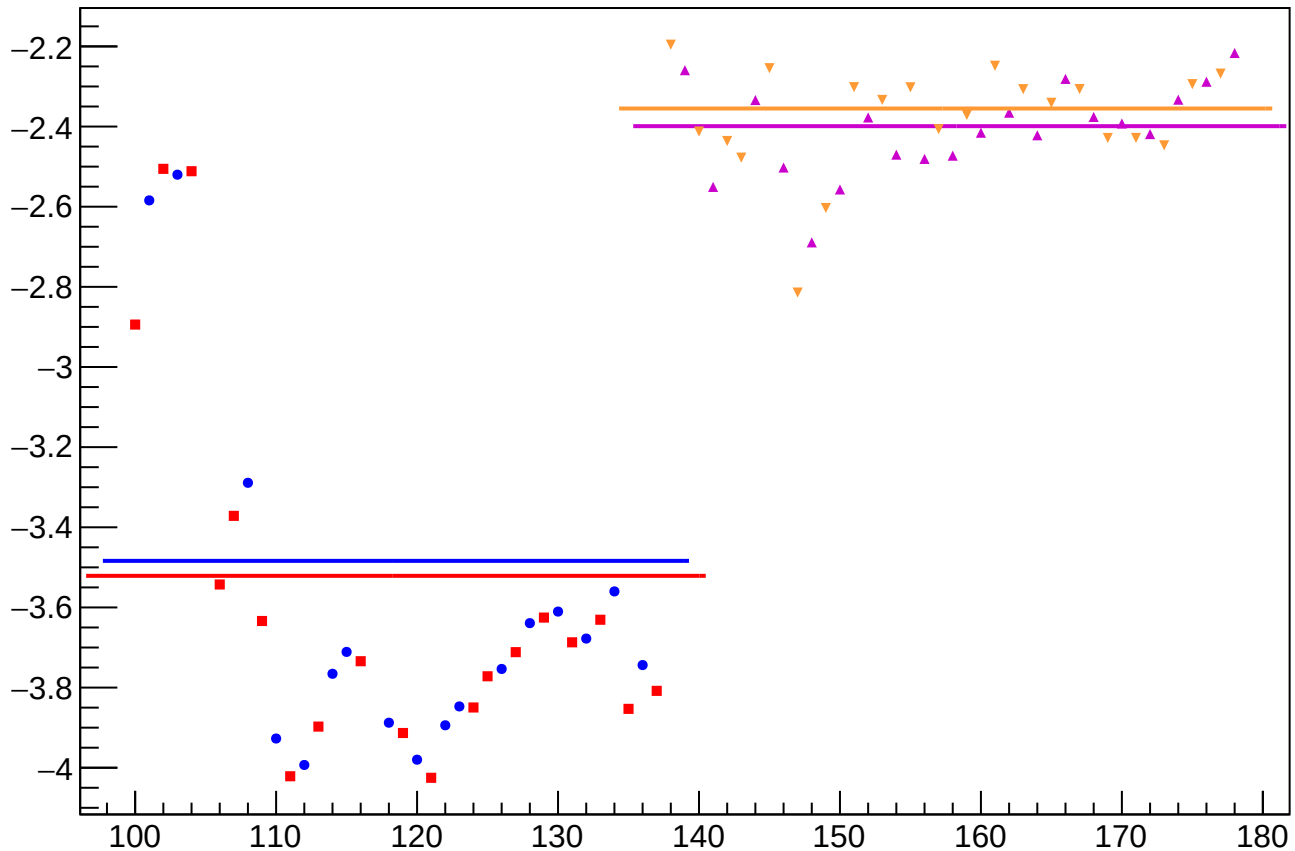
Left In: 0.005+/-0.000 χ^2/NDF : 164901.6/19

+ sign 0.006+/-0.000 χ^2/NDF : 658073.9/37

All: 0.006+/-0.000 χ^2/NDF : 1338255.3/76

- 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: -2.355+/-0.000 χ^2/NDF : 2015019581.6/20

Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

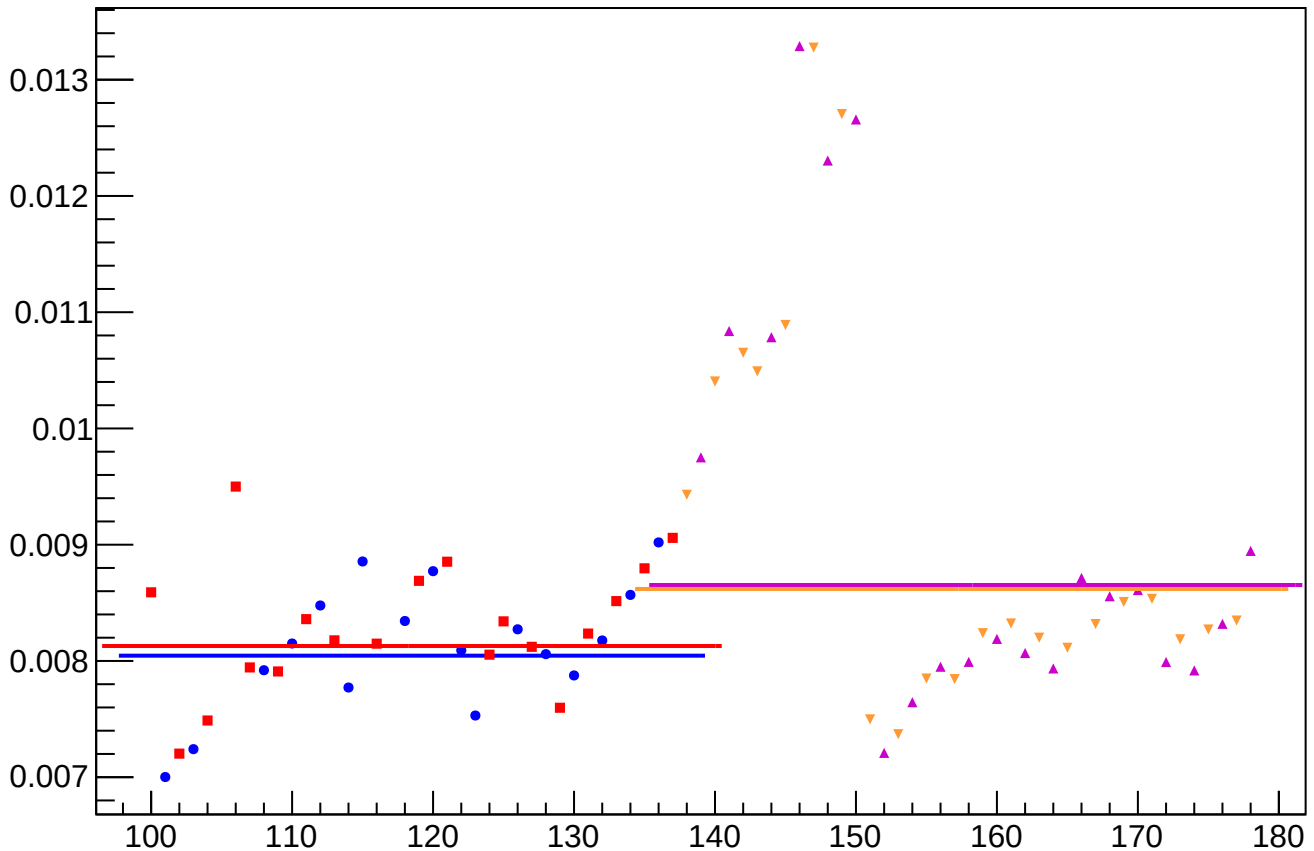
Left In: -2.399+/-0.000 χ^2/NDF : 1718720242.9/19

+ sign -2.736+/-0.000 χ^2/NDF : 114109123445.4/37

All: -2.763+/-0.000 χ^2/NDF : 226838531716.7

- 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 : 604831.2/20

Right Out: 0.008+/-0.000 χ^2/NDF : 57478.2/18

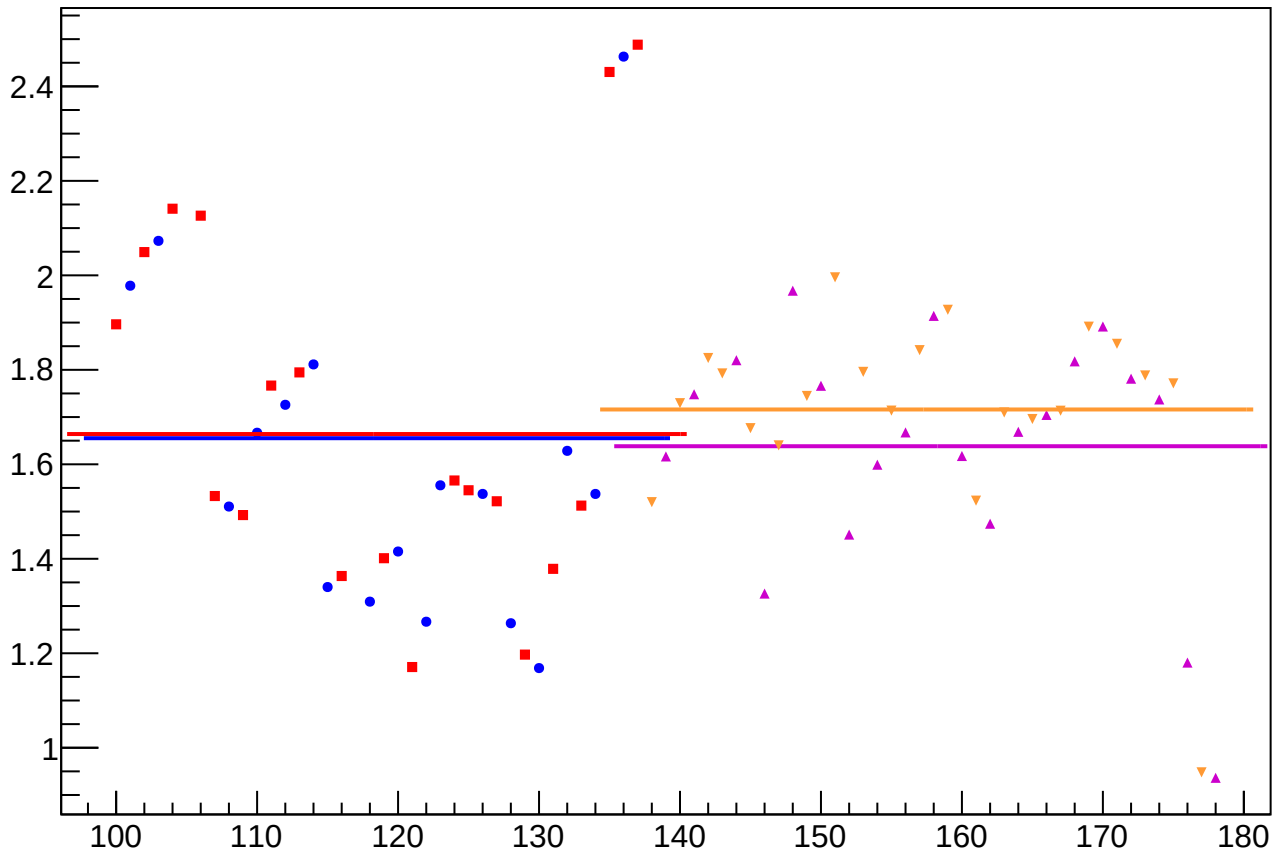
Left In: 0.009+/-0.000 χ^2/NDF : 730257.7/19

+ sign 0.008+/-0.000 χ^2/NDF : 720728.1/37

All: 0.008+/-0.000 χ^2/NDF : 1545822.4/76

- 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: 1.716 ± 0.000 χ^2/NDF : 6547833419.8/20

Right Out: 1.664 ± 0.000 χ^2/NDF : 5944262279.7/18

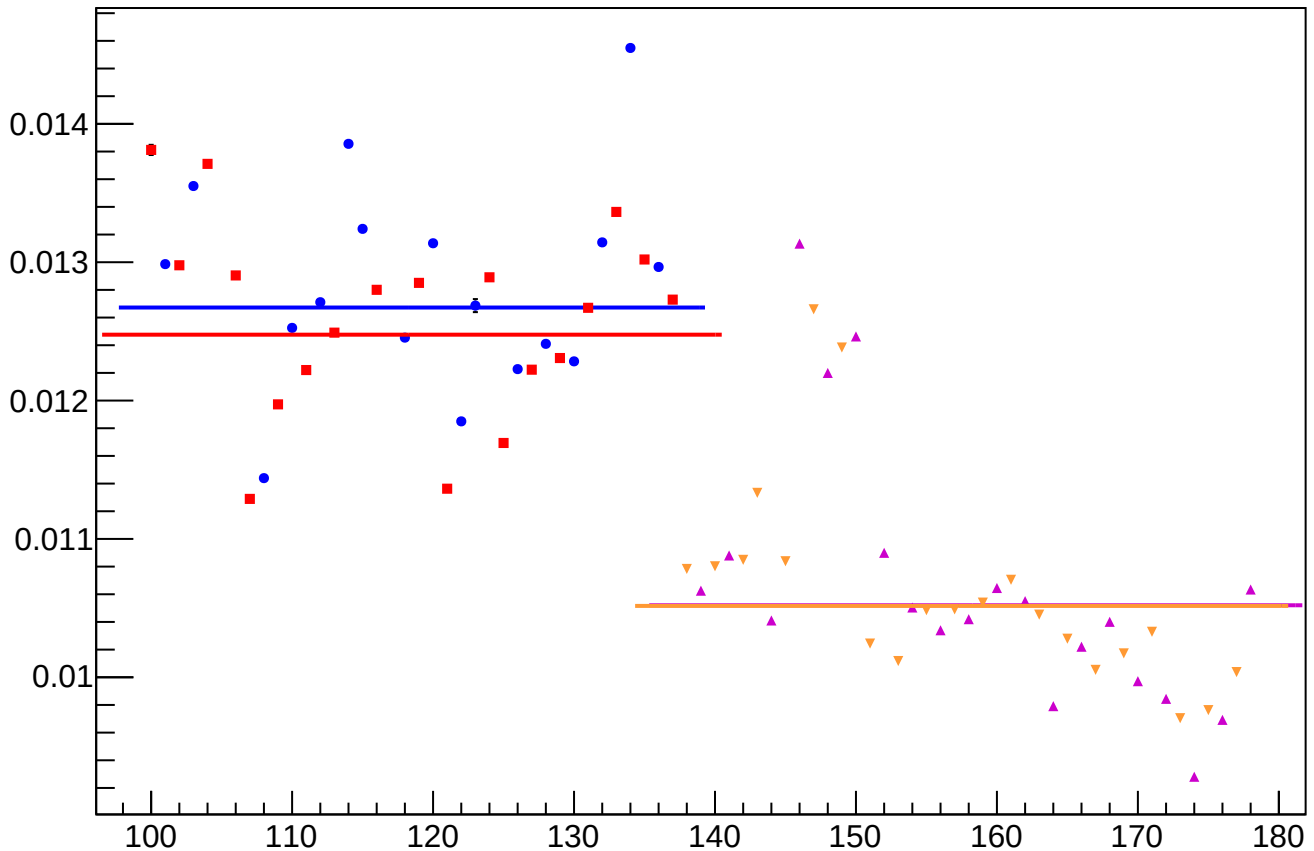
Left In: 1.638 ± 0.000 χ^2/NDF : 8299772237.2/19

+ sign 1.702 ± 0.000 χ^2/NDF : 13140669169.9/37

All: 1.673 ± 0.000 χ^2/NDF : 27699207050.4/7

- sign 1.645 ± 0.000 χ^2/NDF : 14266149735.4/38

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 31801.3/16

Left Out: 0.011+/-0.000 χ^2/NDF :119460.0/20

Right Out: 0.012+/-0.000 χ^2/NDF : 39134.8/18

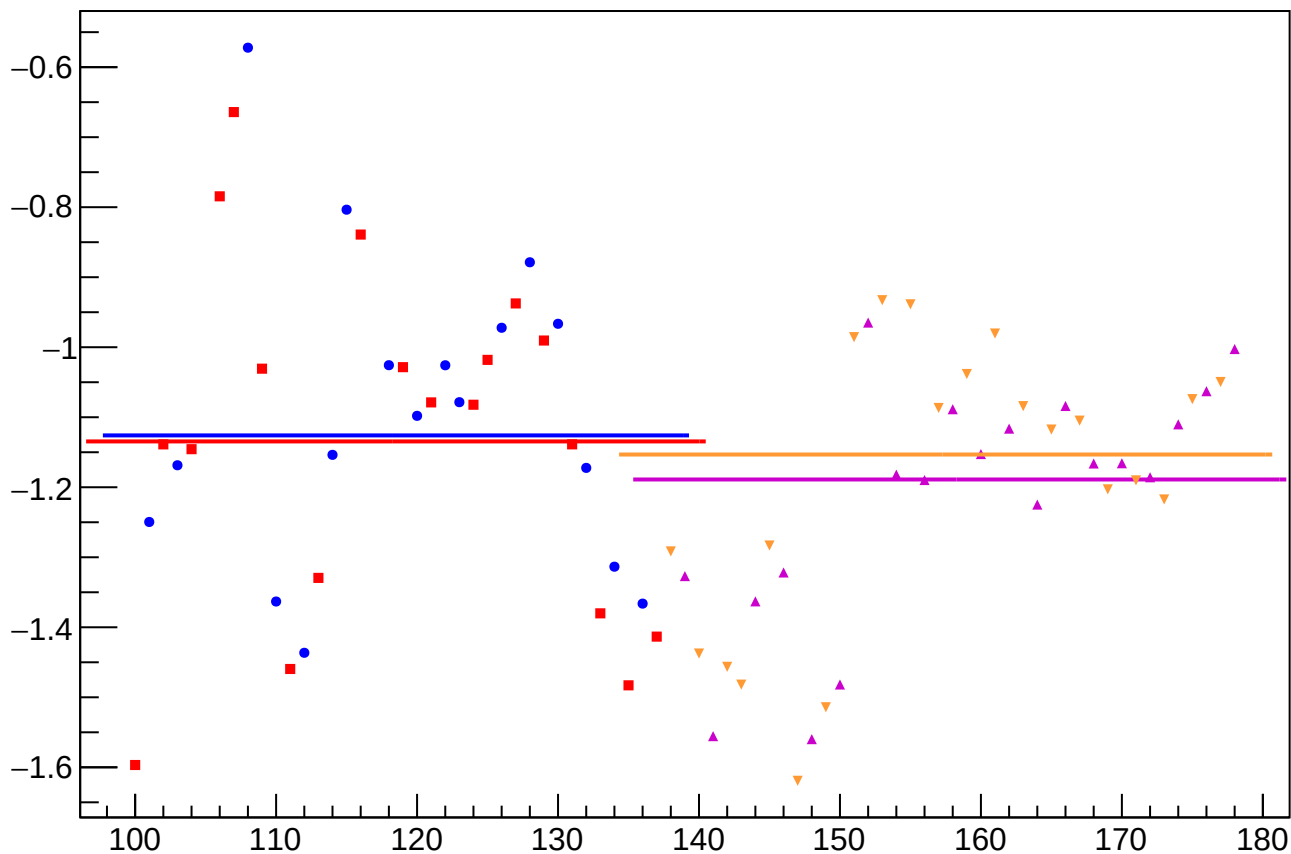
Left In: 0.011+/-0.000 χ^2/NDF :181851.1/19

+ sign 0.011+/-0.000 χ^2/NDF : 443957.1/37

All: 0.011+/-0.000 χ^2/NDF : 918964.4/76

- sign 0.011+/-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: -1.153+/-0.000 χ^2/NDF : 7471714695.9/20

Right Out: -1.135+/-0.000 χ^2/NDF : 3677461023.4/18

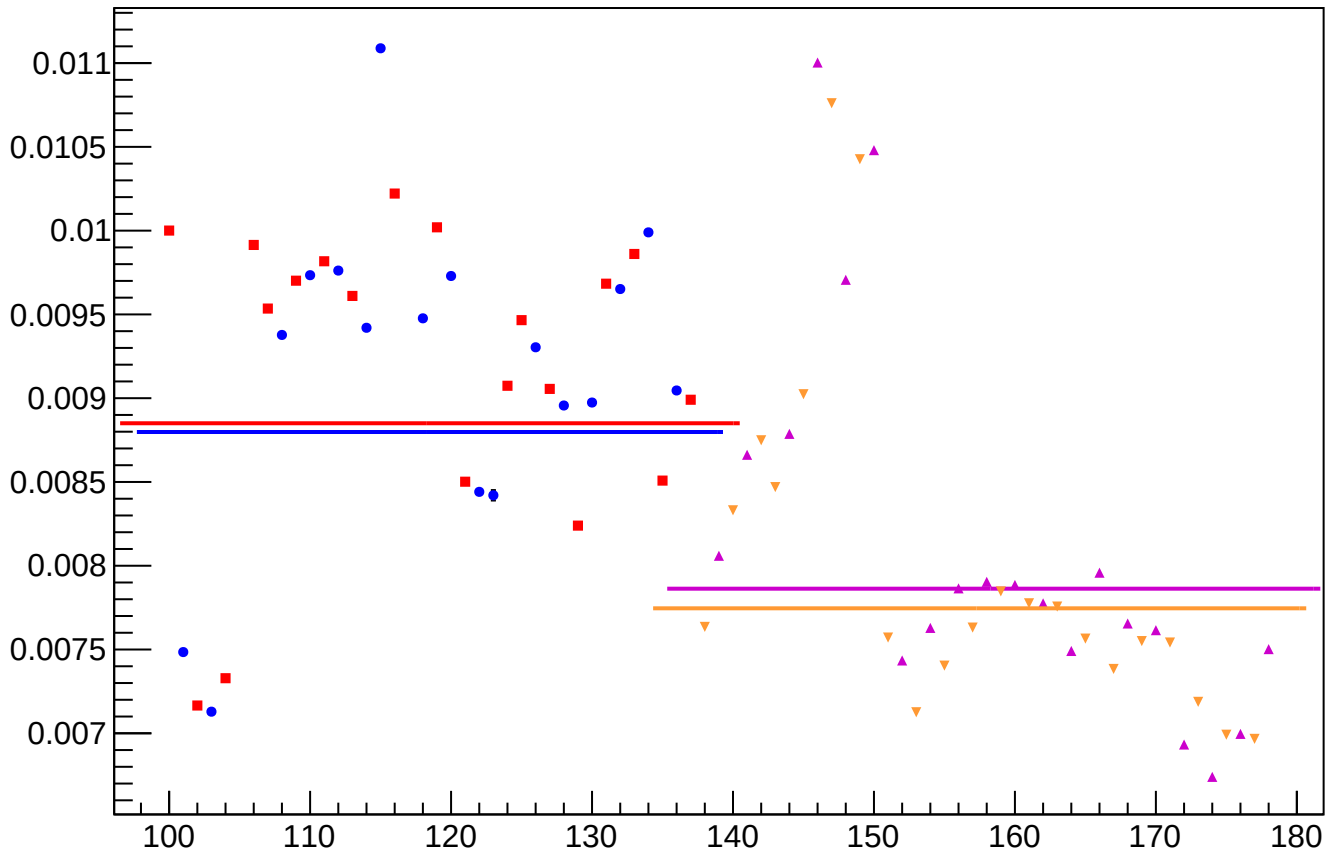
Left In: -1.189+/-0.000 χ^2/NDF : 5481307663.5/19

+ sign -1.146+/-0.000 χ^2/NDF : 11092366948.9/37

All: -1.160+/-0.000 χ^2/NDF : 20560603398.0/38

- 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 : 309140.1/20

Right Out: 0.009+/-0.000 χ^2/NDF : 173958.0/18

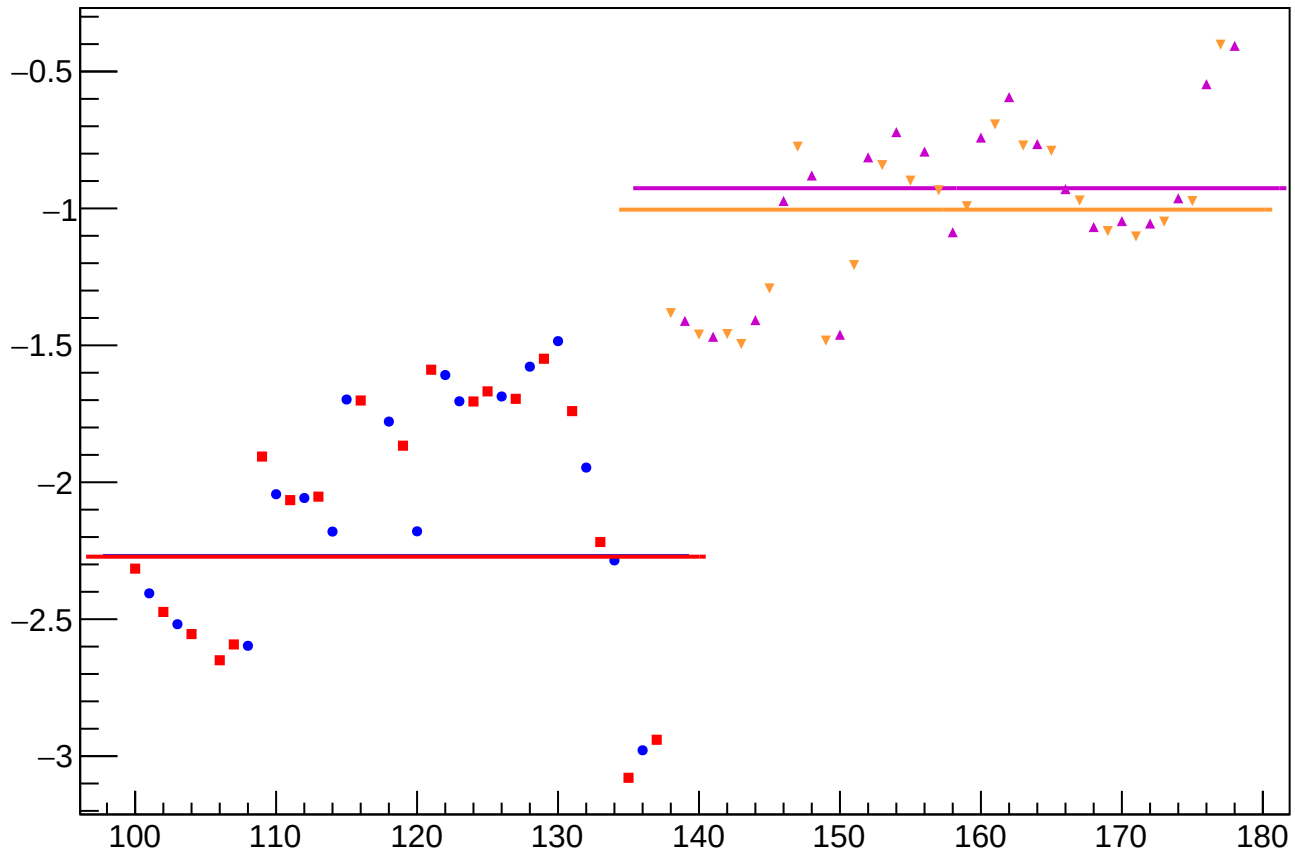
Left In: 0.008+/-0.000 χ^2/NDF : 376928.1/19

+ sign 0.008+/-0.000 χ^2/NDF : 597022.8/37

All: 0.008+/-0.000 χ^2/NDF : 1272875.0/76

- 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: -1.004+/-0.000 χ^2/NDF : 27509514312.7/20

Right Out: -2.272+/-0.000 χ^2/NDF : 19009331715.4/18

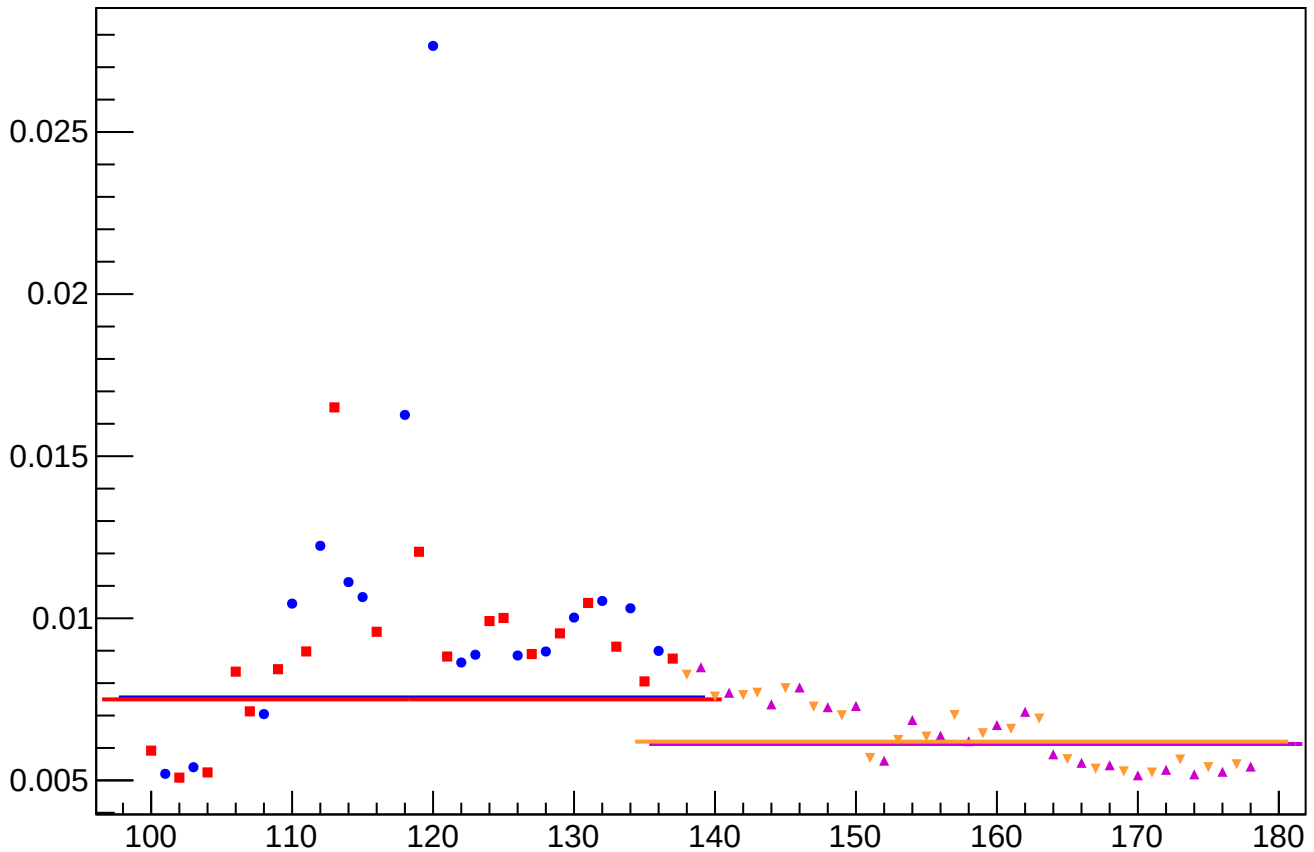
Left In: -0.926+/-0.000 χ^2/NDF : 30389199677.9/19

+ sign -1.246+/-0.000 χ^2/NDF : 159022071353.1/37

All: -1.226+/-0.000 χ^2/NDF : 351430930418.1

- 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 :587035.5/20

Right Out: 0.007+/-0.000 χ^2/NDF : 933998.1/18

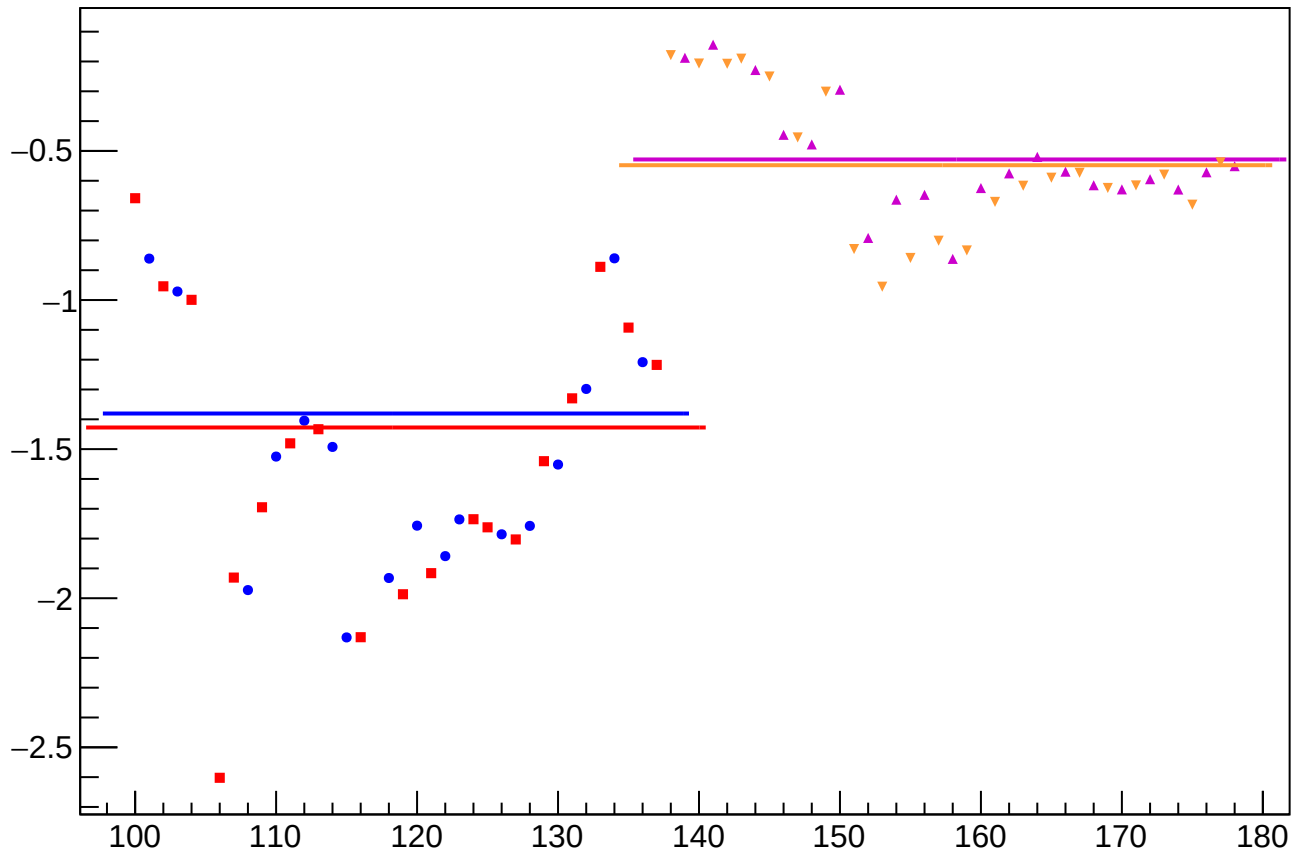
Left In: 0.006+/-0.000 χ^2/NDF :666173.8/19

+ sign 0.006+/-0.000 χ^2/NDF : 2072817.7/37

All: 0.006+/-0.000 χ^2/NDF : 3972331.4/76

- 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 : 46180383075.1/20

Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

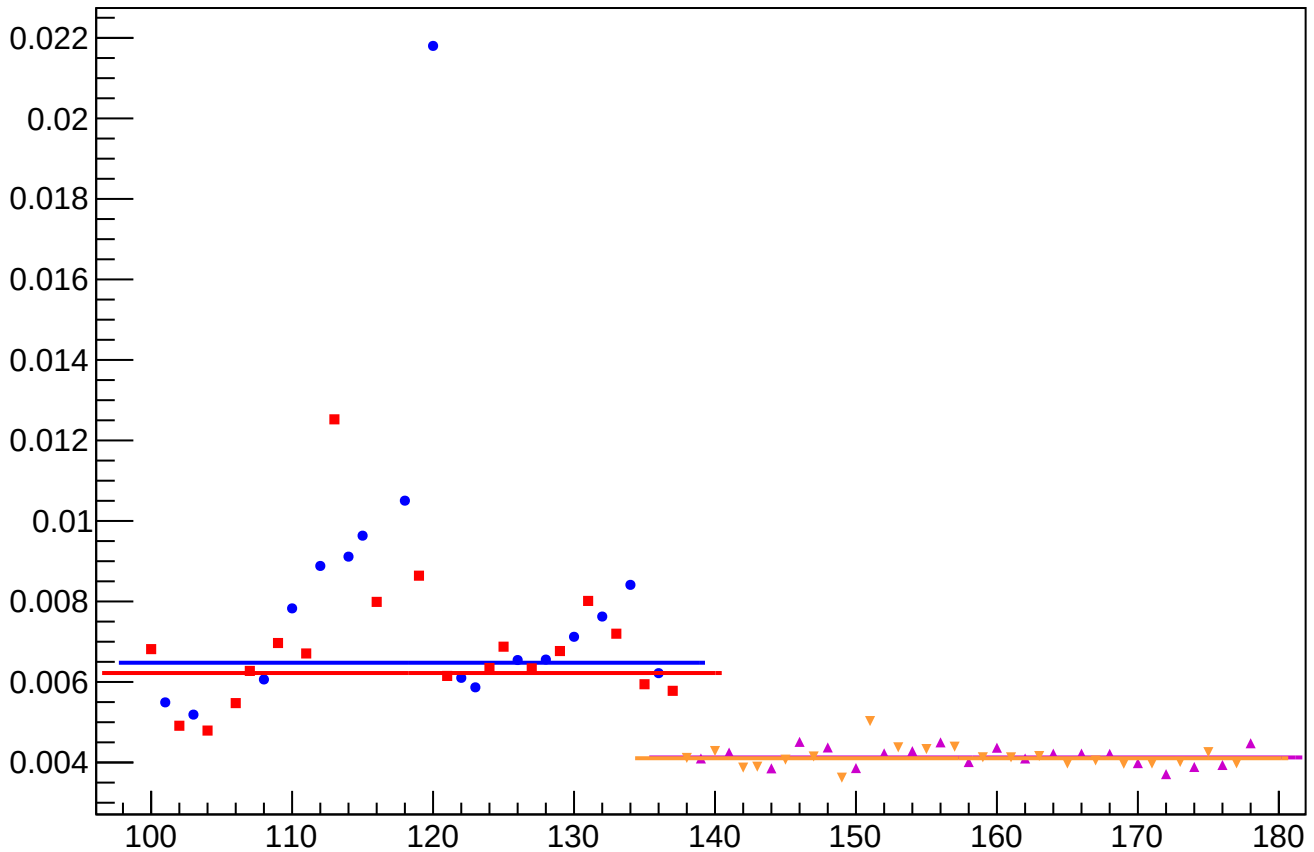
Left In: -0.529+/-0.000 χ^2/NDF : 30499290452.7/19

+ sign -0.657+/-0.000 χ^2/NDF : 144352421149.0/37

All: -0.662+/-0.000 χ^2/NDF : 308352405982.1

- sign -0.667+/-0.000 χ^2/NDF : 163955587254.6/38

yield_bpm0i05Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 572678.4/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 98604.8/20

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 423437.1/18

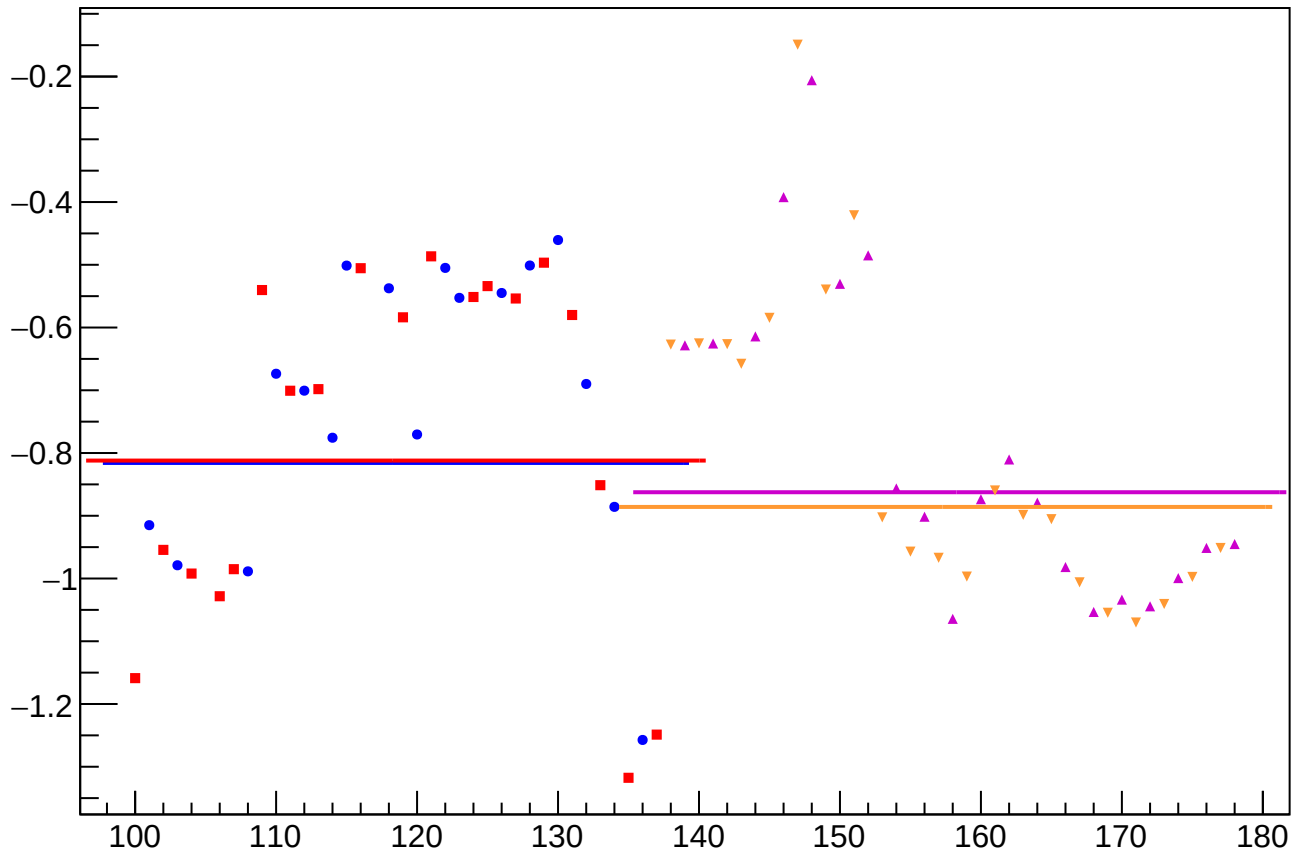
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 87294.1/19

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1940510.1/37

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 3582705.6/76

- sign 0.004 $\pm$ 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: -0.886+/-0.000 χ^2/NDF : 40104611133.1/20

Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

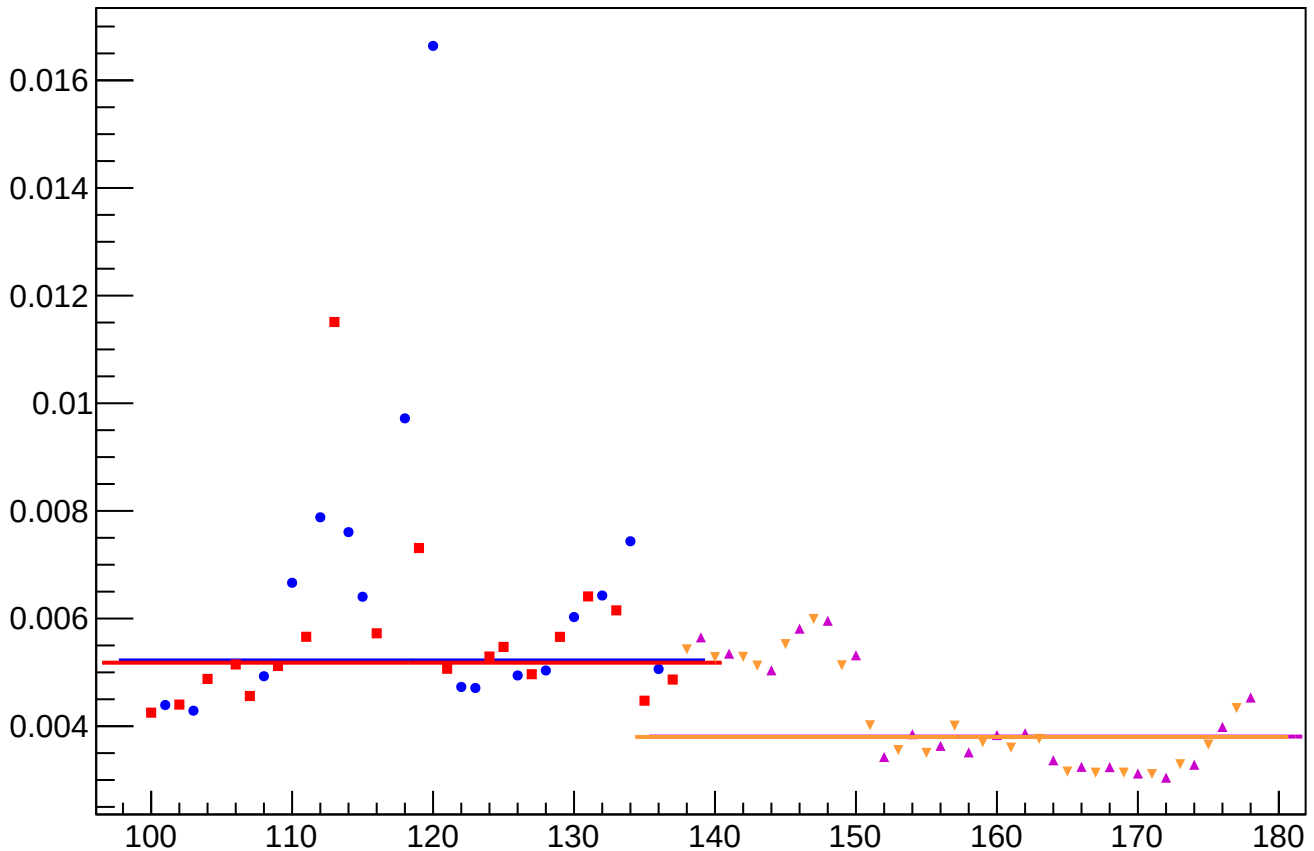
Left In: -0.862+/-0.000 χ^2/NDF : 43624603464.1/19

+ sign -0.874+/-0.000 χ^2/NDF : 55079829717.5/37

All: -0.864+/-0.000 χ^2/NDF : 116240931929.8

- sign -0.853+/-0.000 χ^2/NDF : 60898504588.5/38

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 664386.8/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1148652.9/20

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 363781.3/18

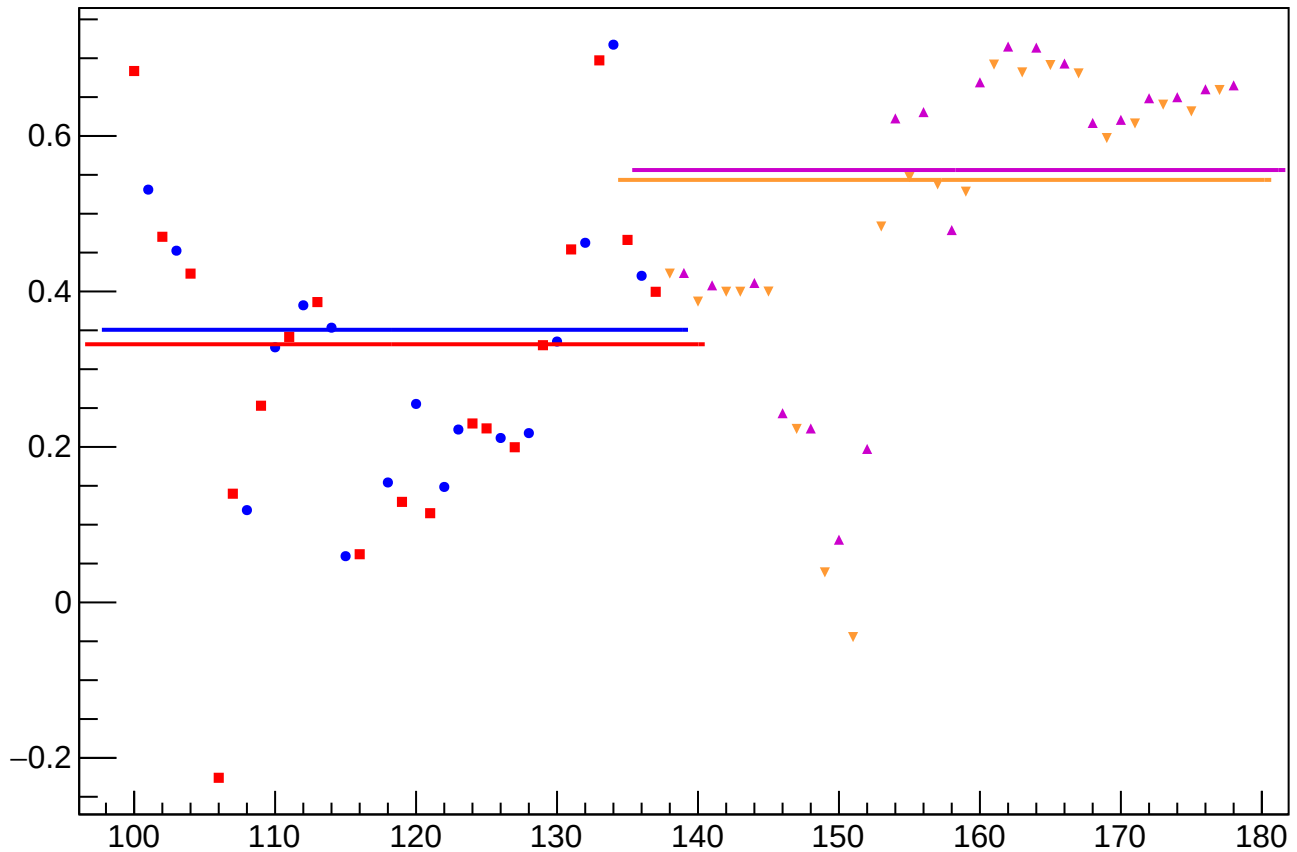
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1227909.2/19

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2472155.5/37

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4742299.6/76

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2269350.7/38

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.544+/-0.000 χ^2/NDF : 41729251773.5/20

Right Out: 0.332+/-0.000 χ^2/NDF : 11796213425.9/18

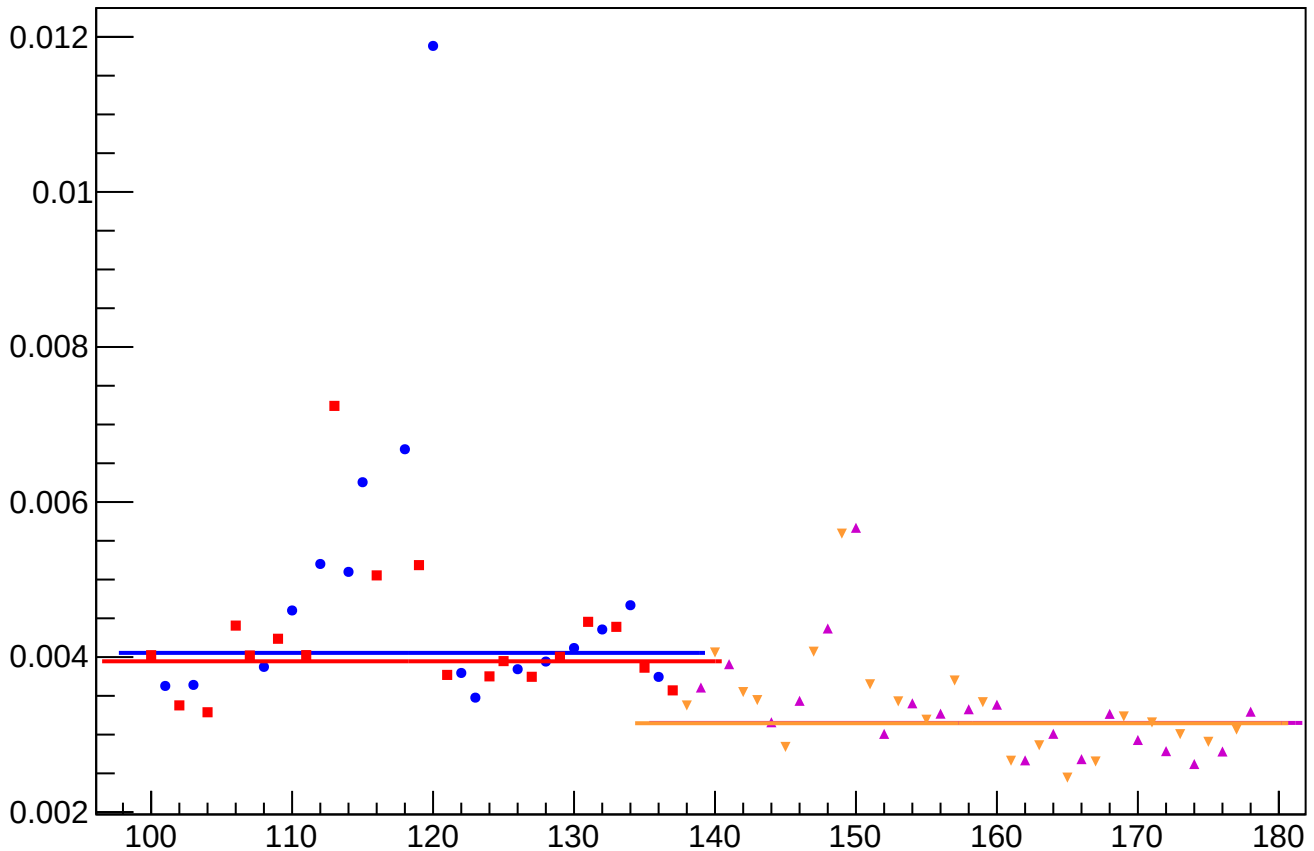
Left In: 0.556+/-0.000 χ^2/NDF : 39895645215.7/19

+ sign 0.505+/-0.000 χ^2/NDF : 59462400033.9/37

All: 0.506+/-0.000 χ^2/NDF : 126522444191.6

- sign 0.506+/-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 : 726446.8/20

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 260968.0/18

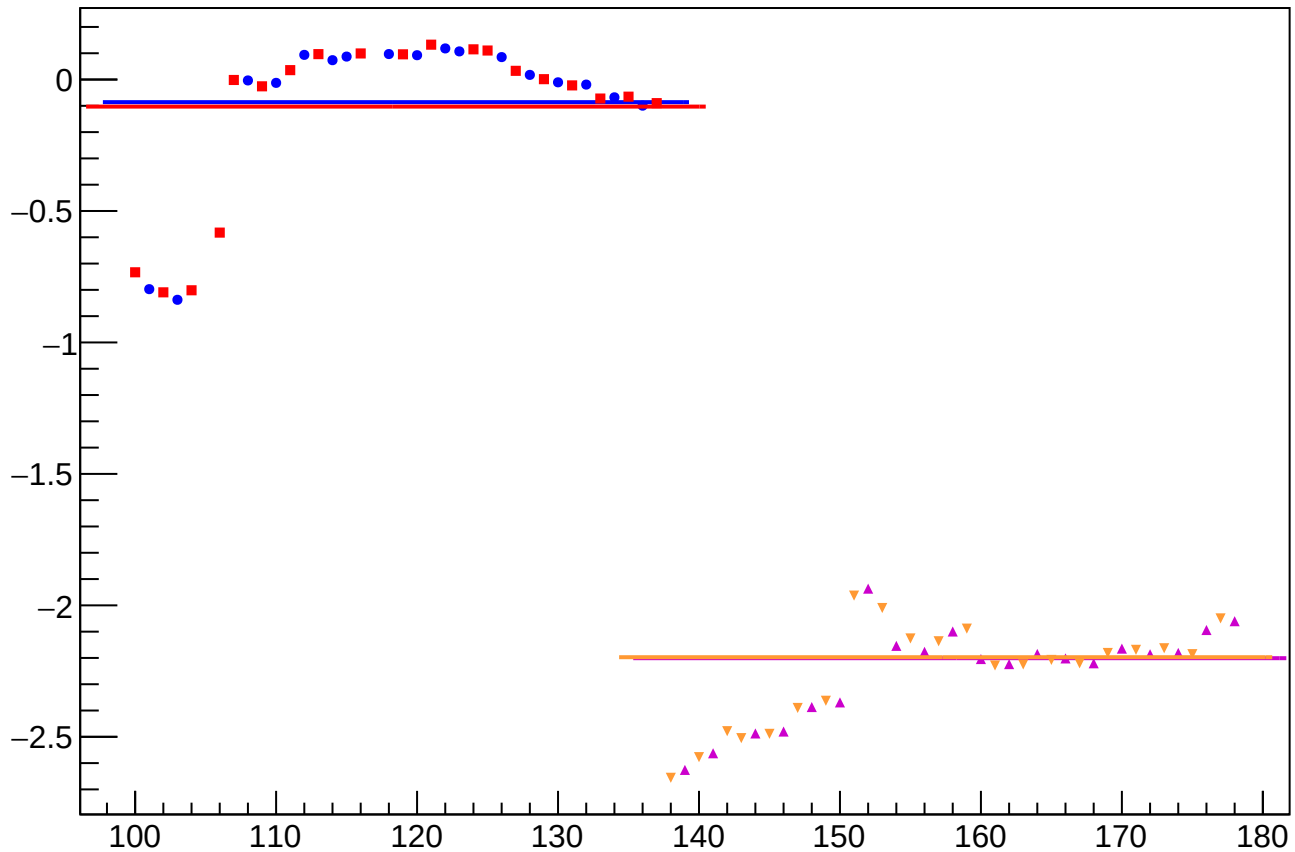
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 711679.9/19

+ sign 0.003 $\pm$ 0.000 χ^2/NDF : 1639106.3/37

All: 0.003 $\pm$ 0.000 χ^2/NDF : 2998446.4/76

- 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: -2.197+/-0.000 χ^2/NDF : 3703122505.8/20

Right Out: -0.103+/-0.000 χ^2/NDF : 5553039516.7/18

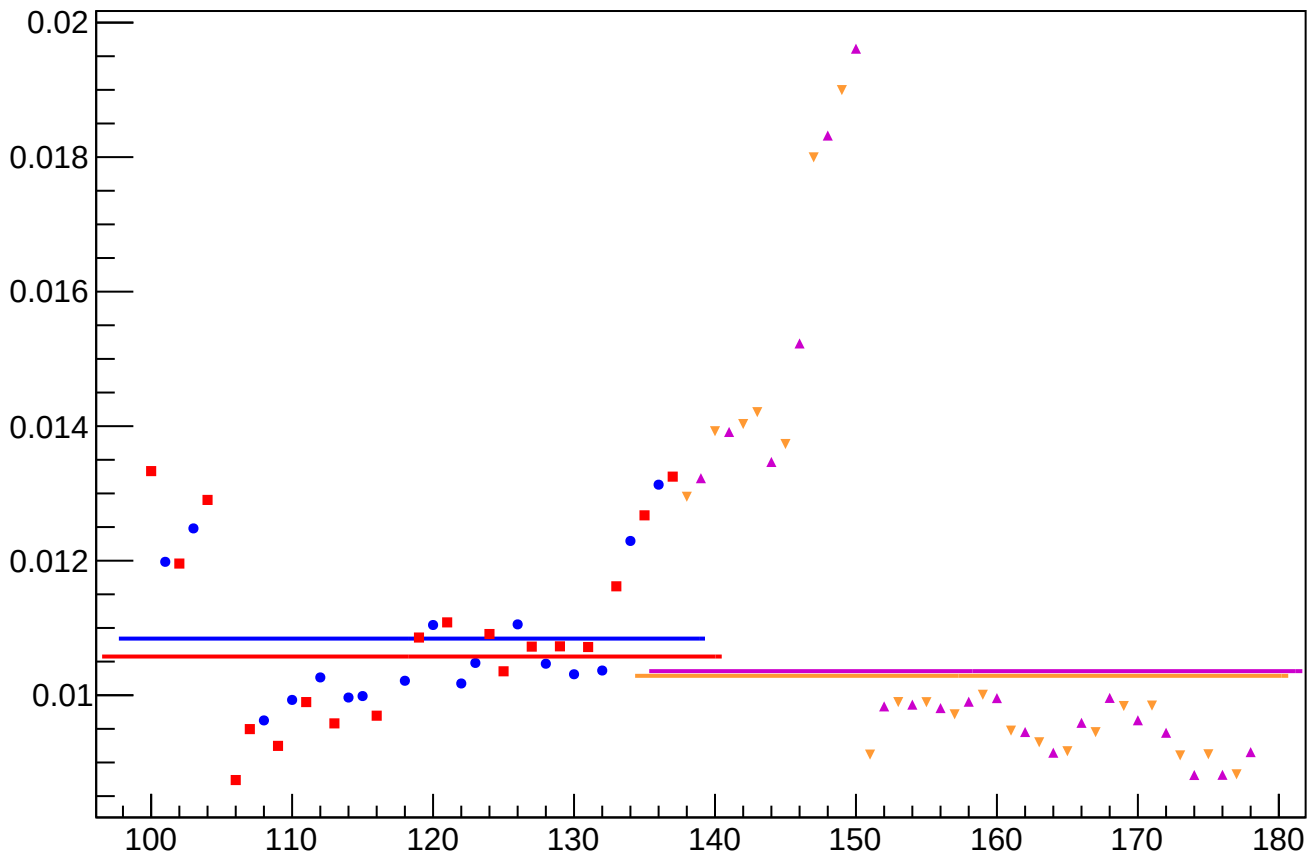
Left In: -2.201+/-0.000 χ^2/NDF : 3092518643.0/19

+ sign -1.598+/-0.000 χ^2/NDF : 188902344920.4/37

All: -1.570+/-0.000 χ^2/NDF : 387153085520.2

- 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 :1243749.8/20

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

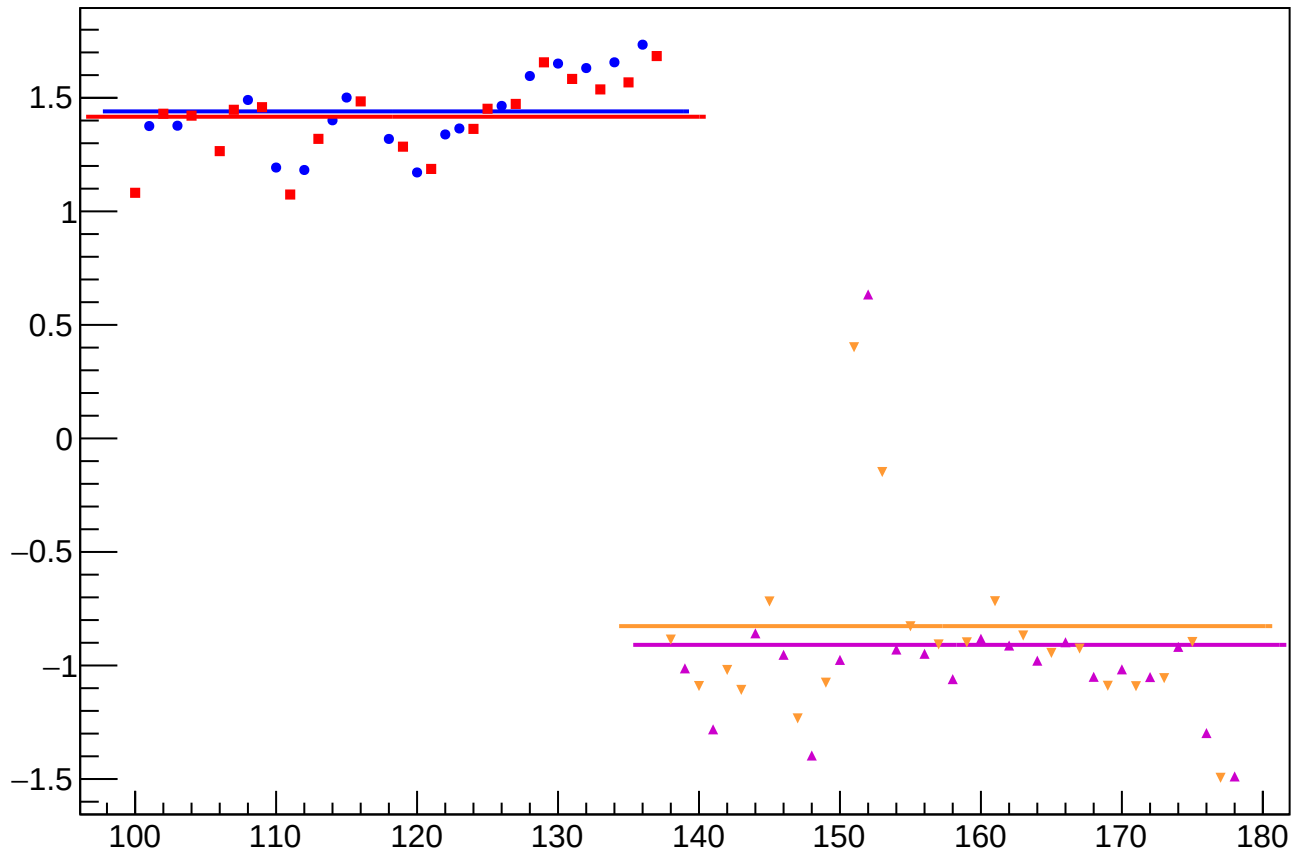
Left In: 0.010+/-0.000 χ^2/NDF :1320208.1/19

+ sign 0.010+/-0.000 χ^2/NDF : 1392782.5/37

All: 0.010+/-0.000 χ^2/NDF : 2896090.2/76

- sign 0.010+/-0.000 χ^2/NDF : 1503233.4/38

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.827 $\pm$ 0.000 χ^2 /NDF: 40727999627.7/20

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

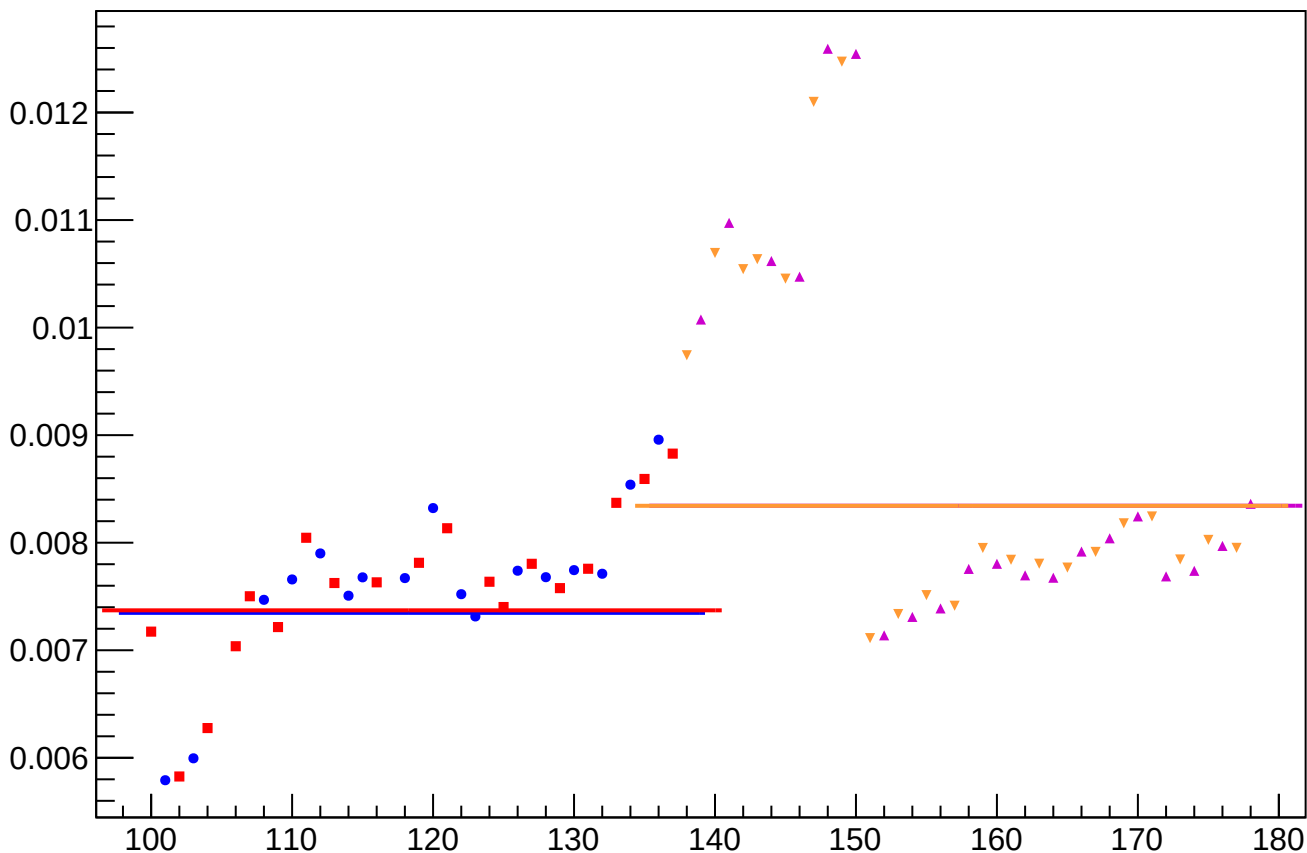
Left In: -0.909 $\pm$ 0.000 χ^2 /NDF: 47412305817.7/19

+ sign -0.018 $\pm$ 0.000 χ^2 /NDF: 447602610650.0/37

All: -0.027 $\pm$ 0.000 χ^2 /NDF: 933983060433.3

- sign -0.036 $\pm$ 0.000 χ^2 /NDF: 486326704678.1/38

yield_bpm1i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 228163.6/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 756046.8/20

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 172689.5/18

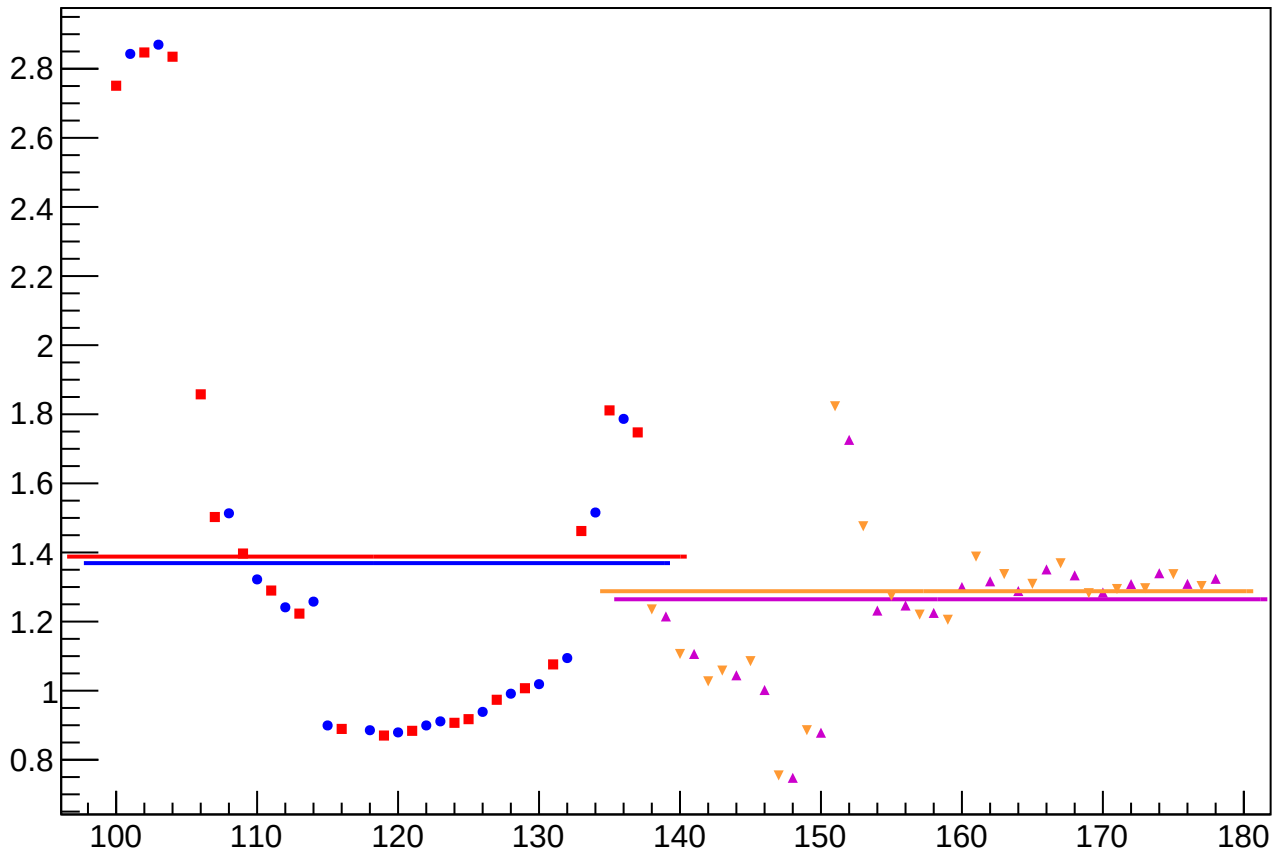
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 829966.4/19

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 1139765.5/37

All: 0.008 $\pm$ 0.000 χ^2/NDF : 2295001.0/76

- sign 0.008 $\pm$ 0.000 χ^2/NDF : 1155204.2/38

yield_bpm1i04X_mean vs Slug



Right In: 1.369 $\pm$ 0.000 χ^2 /NDF: 54205395389.8/16

Left Out: 1.288 $\pm$ 0.000 χ^2 /NDF: 9157570955.0/20

Right Out: 1.388 $\pm$ 0.000 χ^2 /NDF: 49900245868.0/18

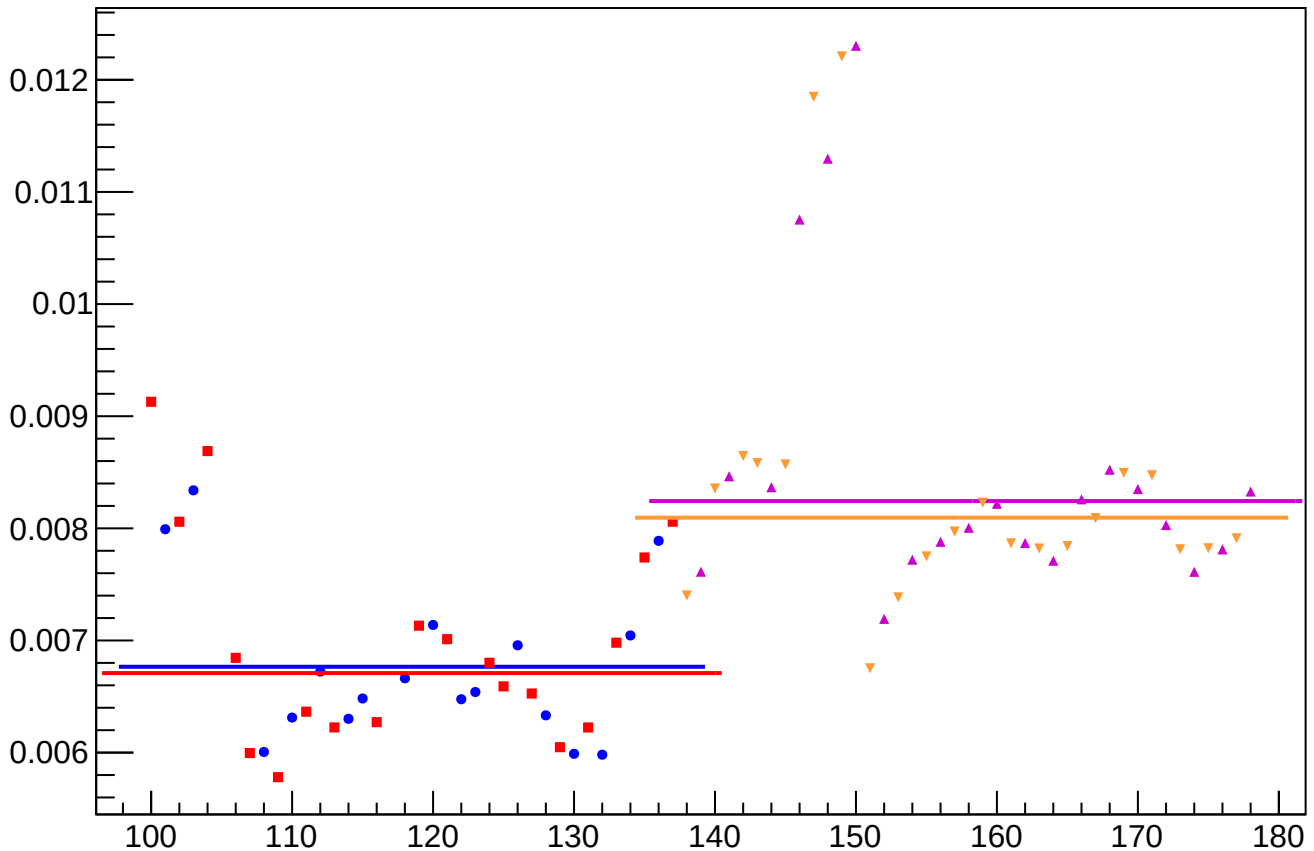
Left In: 1.265 $\pm$ 0.000 χ^2 /NDF: 7444352750.9/19

+ sign 1.319 $\pm$ 0.000 χ^2 /NDF: 63950763266.0/37

All: 1.318 $\pm$ 0.000 χ^2 /NDF: 122684365306.7

- sign 1.316 $\pm$ 0.000 χ^2 /NDF: 58731529097.0/38

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 159554.9/16

Left Out: 0.008+/-0.000 χ^2/NDF : 422439.1/20

Right Out: 0.007+/-0.000 χ^2/NDF : 187826.7/18

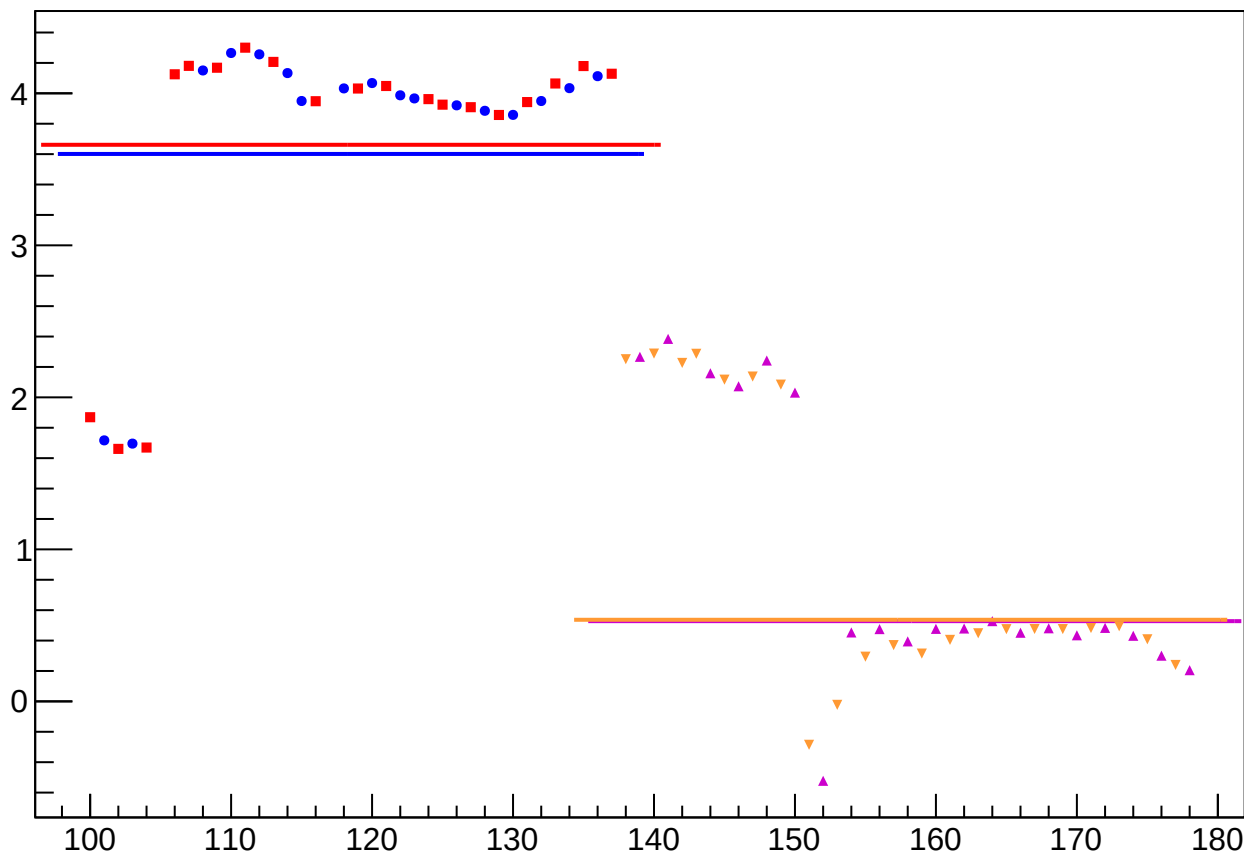
Left In: 0.008+/-0.000 χ^2/NDF : 447023.4/19

+ sign 0.008+/-0.000 χ^2/NDF : 896328.8/37

All: 0.008+/-0.000 χ^2/NDF : 1959255.3/76

- 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: 0.537 $\pm$ 0.000 χ^2 /NDF: 263207760764.0/20

Right Out: 3.661 $\pm$ 0.000 χ^2 /NDF: 192519897222.5/18

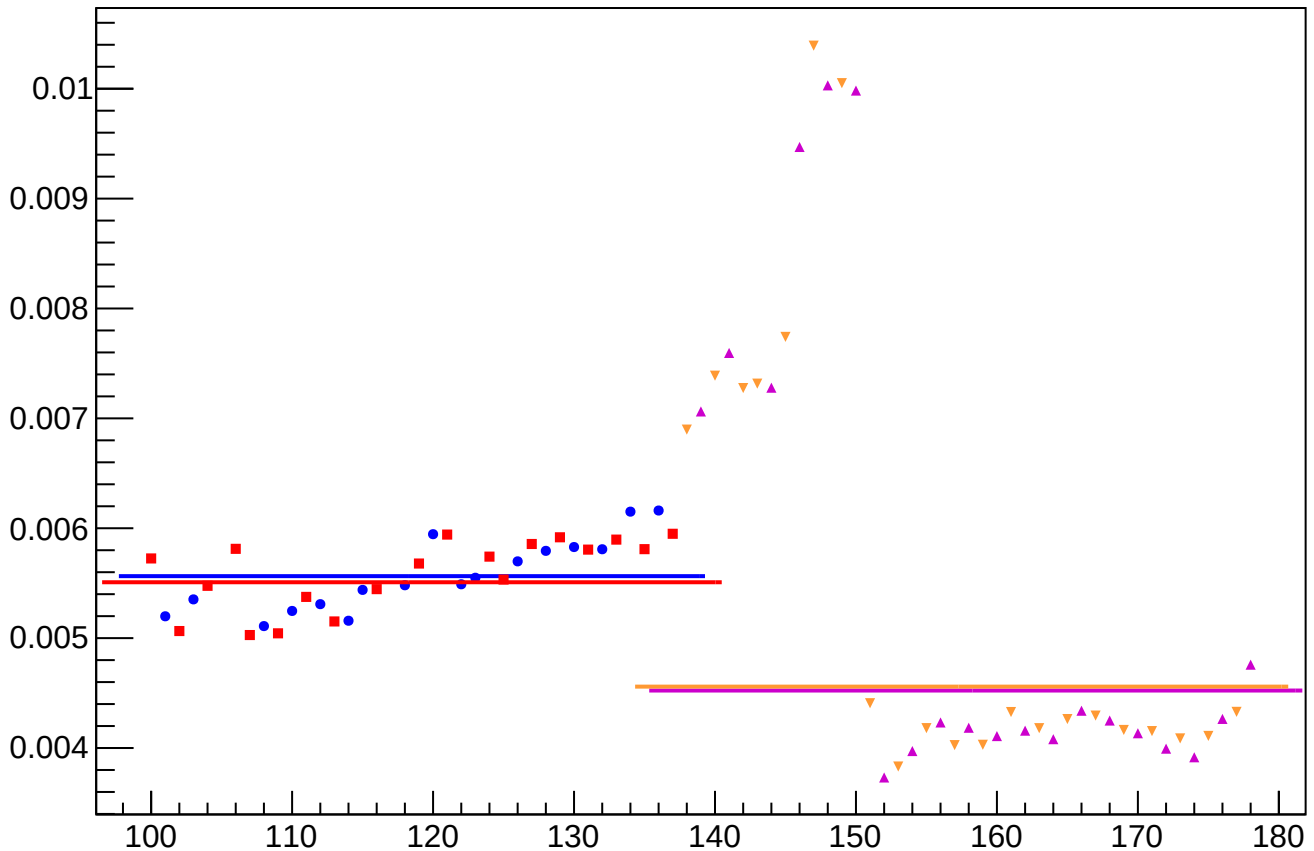
Left In: 0.528 $\pm$ 0.000 χ^2 /NDF: 262049015877.1/19

+ sign 1.274 $\pm$ 0.000 χ^2 /NDF: 1988666949553.0/37

All: 1.298 $\pm$ 0.000 χ^2 /NDF: 4125171696258.0/74

- 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 :2021000.7/20

Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

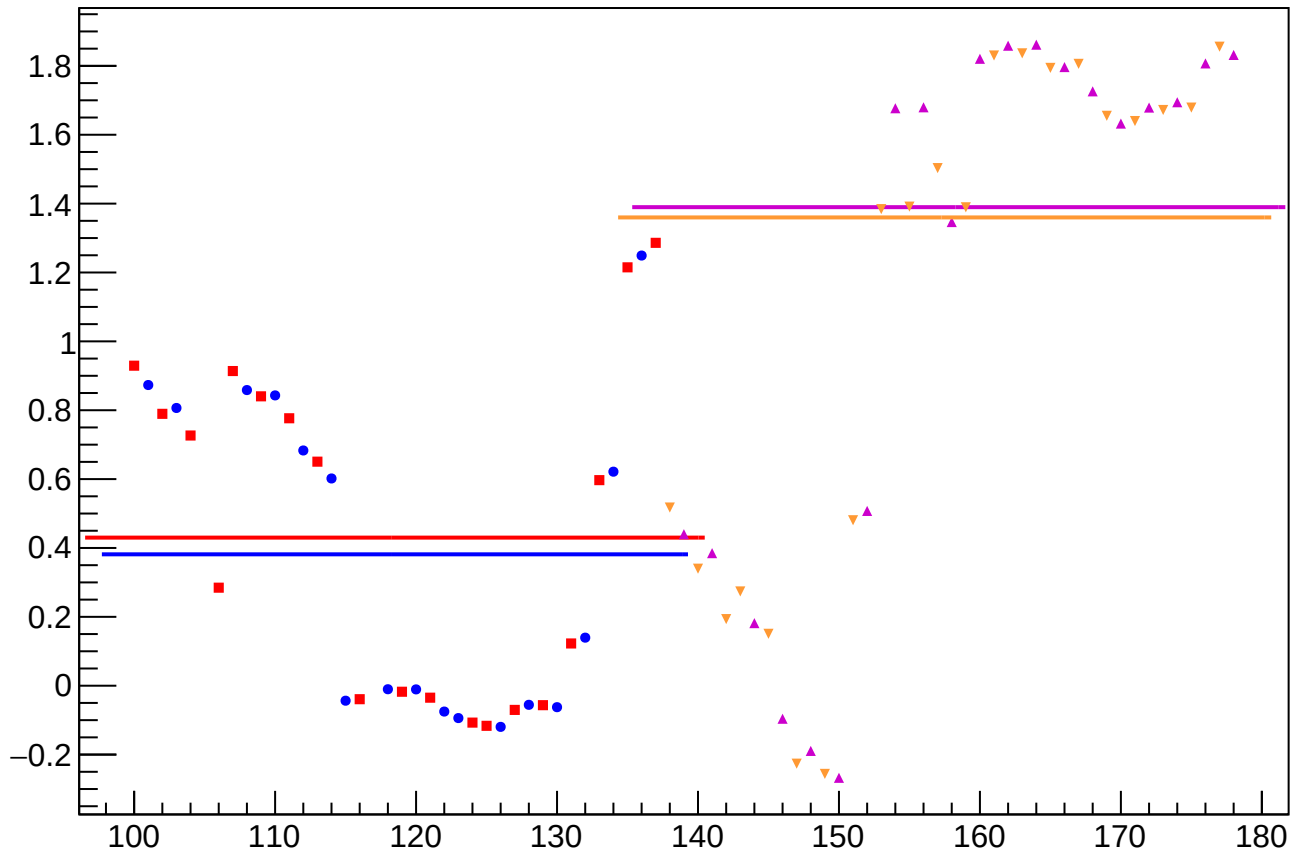
Left In: 0.005+/-0.000 χ^2/NDF :2225728.0/19

+ sign 0.005+/-0.000 χ^2/NDF : 2400063.5/37

All: 0.005+/-0.000 χ^2/NDF : 5011553.9/76

- 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: 1.360 $\pm$ 0.000 χ^2 /NDF: 44982615839.4/20

Right Out: 0.430 $\pm$ 0.000 χ^2 /NDF: 6676199135.9/18

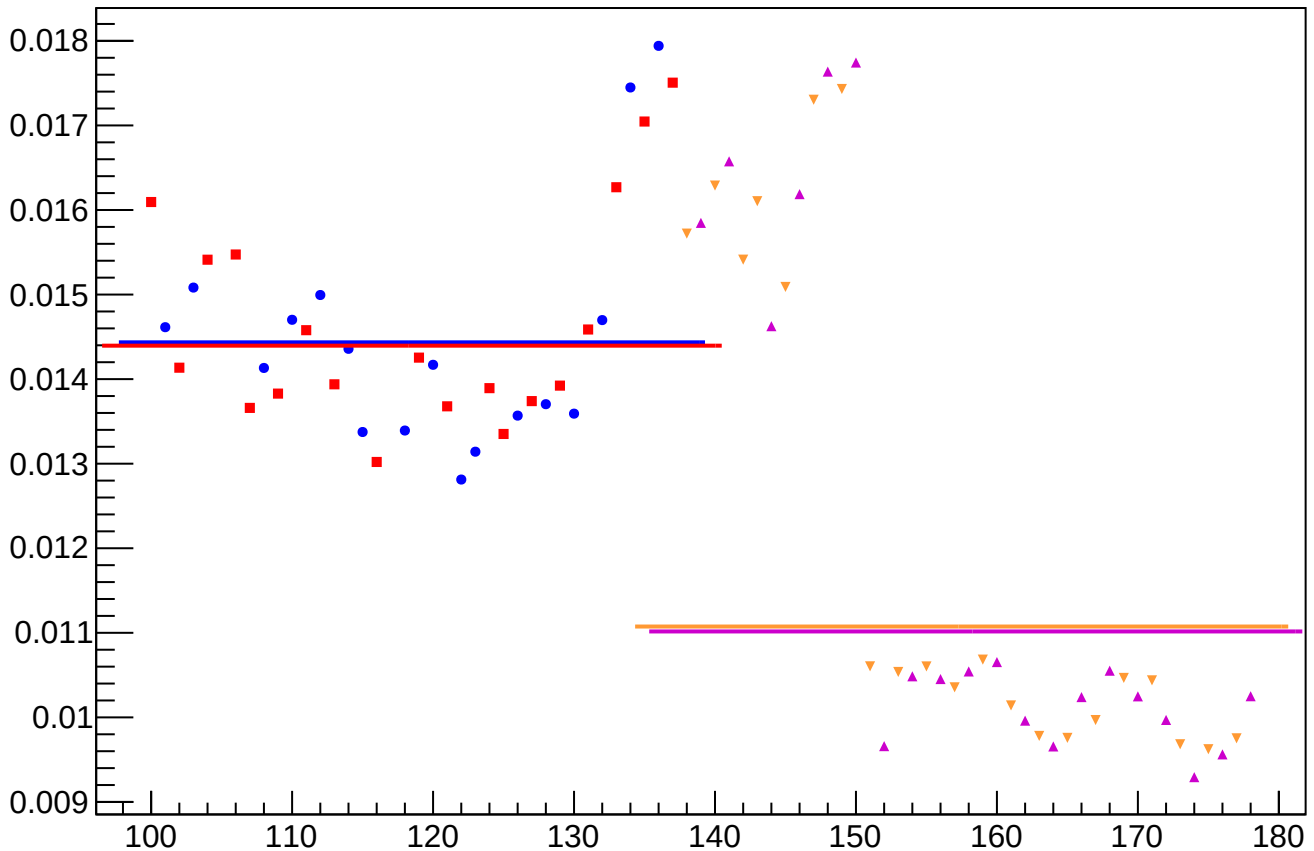
Left In: 1.390 $\pm$ 0.000 χ^2 /NDF: 50557236849.5/19

+ sign 1.158 $\pm$ 0.000 χ^2 /NDF: 76253061295.9/37

All: 1.170 $\pm$ 0.000 χ^2 /NDF: 157685187131.2

- sign 1.181 $\pm$ 0.000 χ^2 /NDF: 81389991109.3/38

yield_bpm1i06X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 110224.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:1206326.0/20

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 74531.6/18

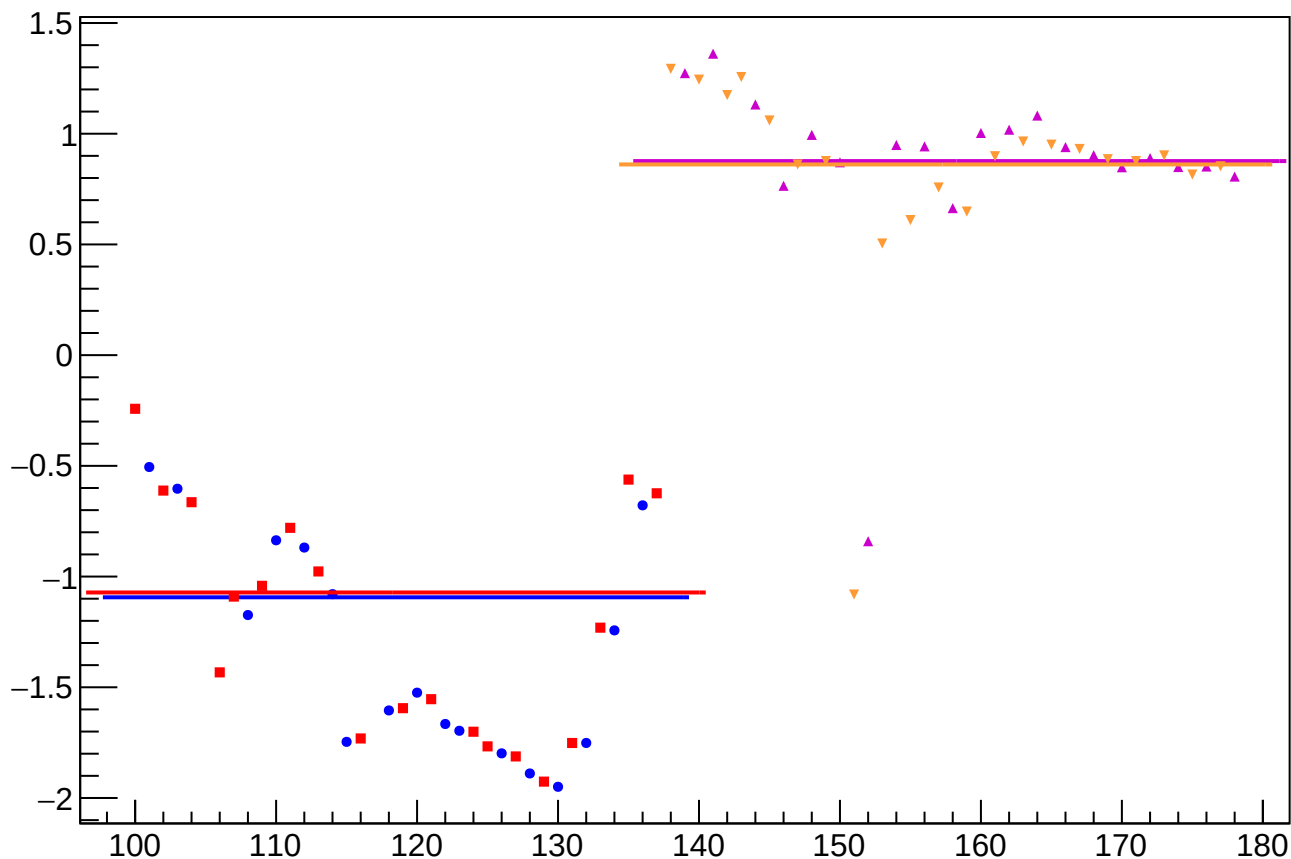
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:1261658.0/19

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1886352.6/37

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3821761.5/76

- sign 0.012 $\pm$ 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: 0.861+/-0.000 χ^2/NDF : 125042078716.8/20

Right Out: -1.072+/-0.000 χ^2/NDF : 46896017480.0/18

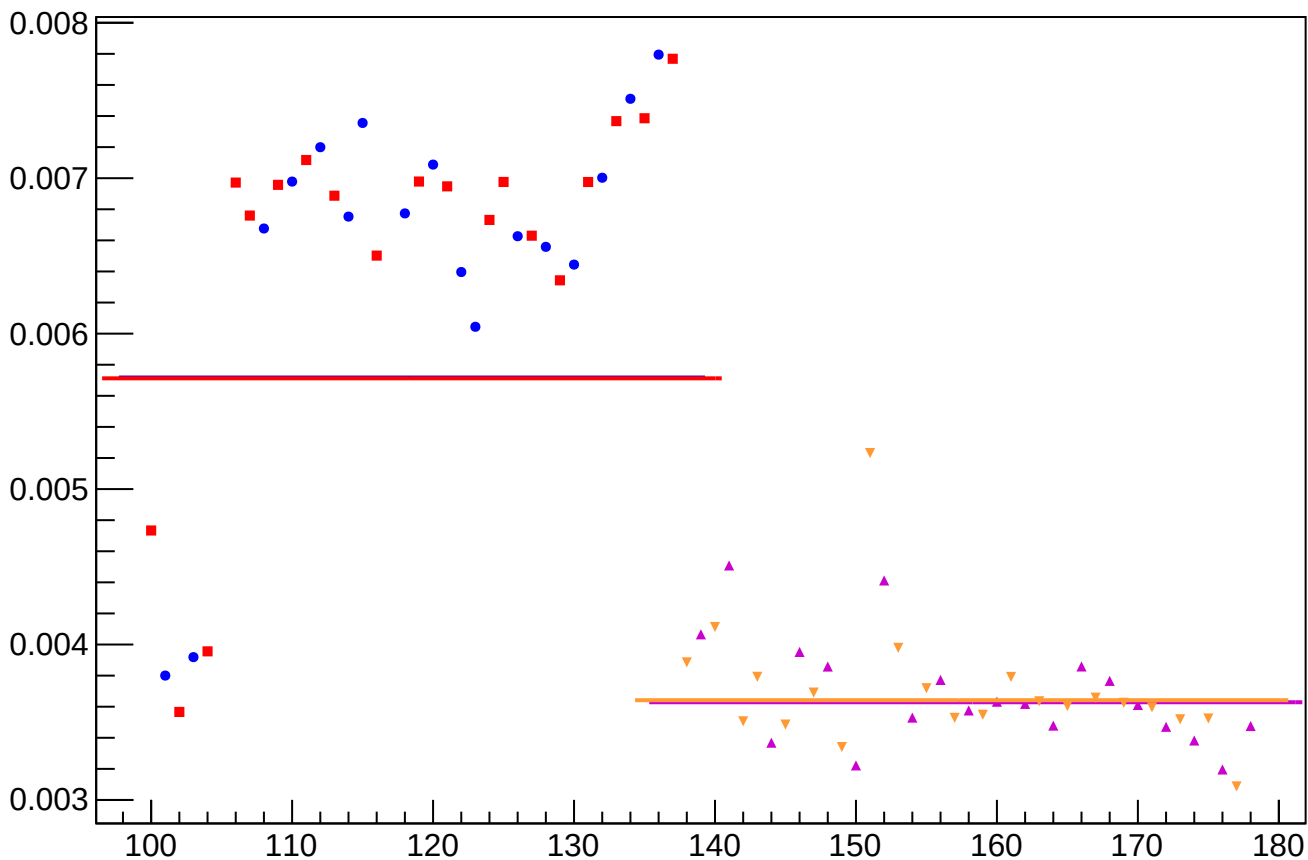
Left In: 0.876+/-0.000 χ^2/NDF : 146241932256.5/19

+ sign 0.579+/-0.000 χ^2/NDF : 775067241690.3/37

All: 0.580+/-0.000 χ^2/NDF : 1576677581319.

- 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:221595.8/20

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 923899.1/18

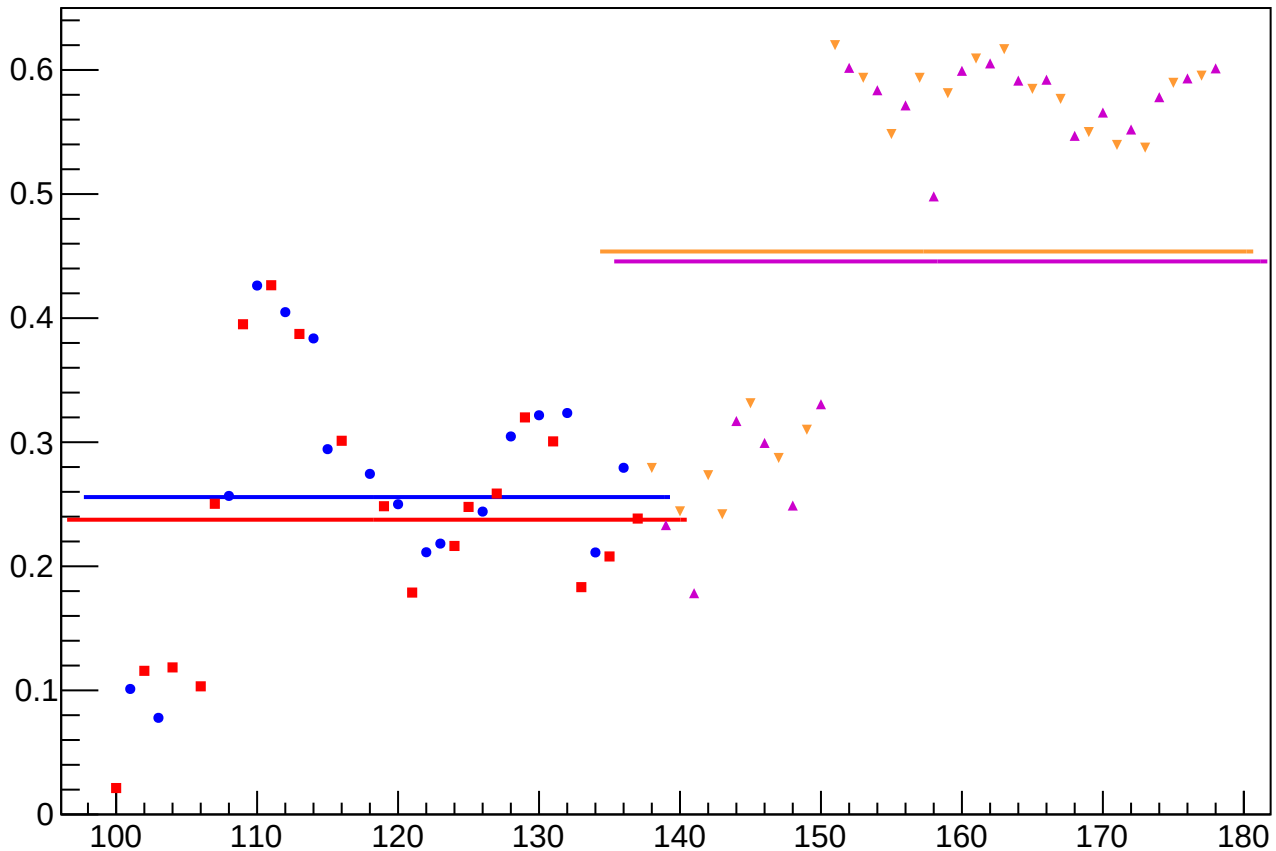
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:219136.1/19

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2399005.5/37

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4934262.4/76

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2535248.7/38

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.454+/-0.000 χ^2/NDF : 94157330751.2/20

Right Out: 0.238+/-0.000 χ^2/NDF : 26057284646.9/18

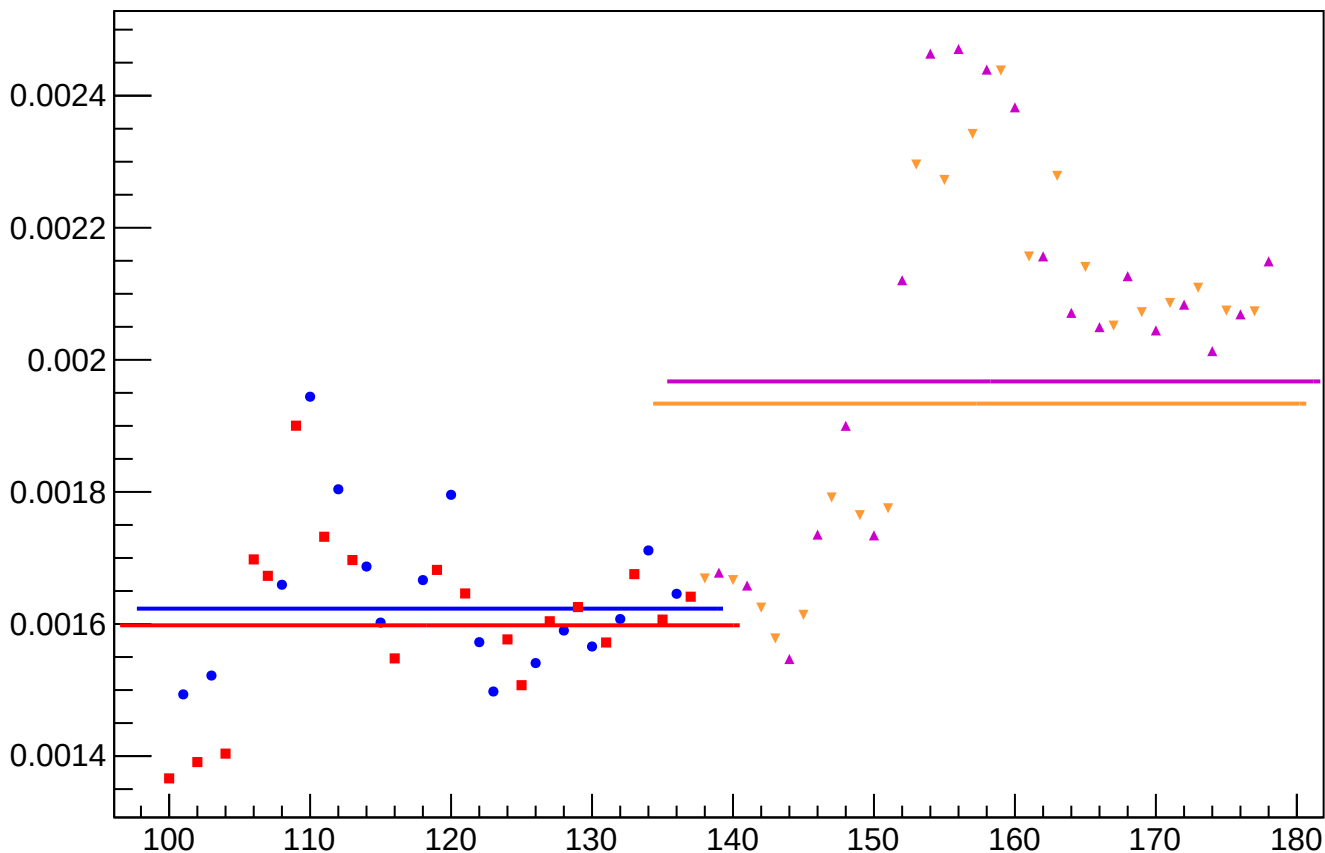
Left In: 0.446+/-0.000 χ^2/NDF : 95742806312.3/19

+ sign 0.380+/-0.000 χ^2/NDF : 175571946544.0/37

All: 0.370+/-0.000 χ^2/NDF : 367856675292.4

- sign 0.359+/-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 : 569124.2/20

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

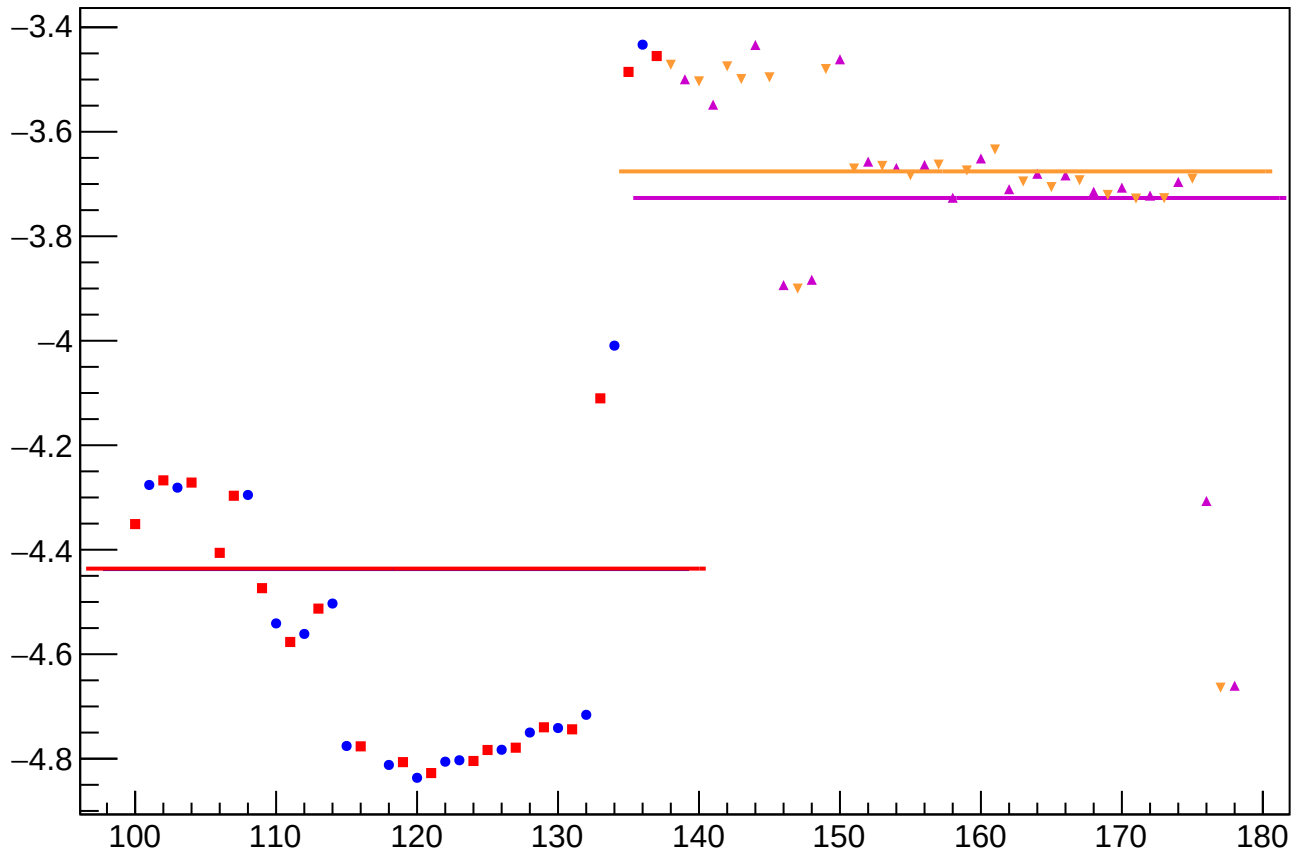
Left In: 0.002+/-0.000 χ^2/NDF : 580780.5/19

+ sign 0.002+/-0.000 χ^2/NDF : 917069.5/37

All: 0.002+/-0.000 χ^2/NDF : 2023753.3/76

- 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: -3.676+/-0.000 χ^2/NDF : 194501219354.3/20

Right Out: -4.436+/-0.000 χ^2/NDF : 325183860699.4/18

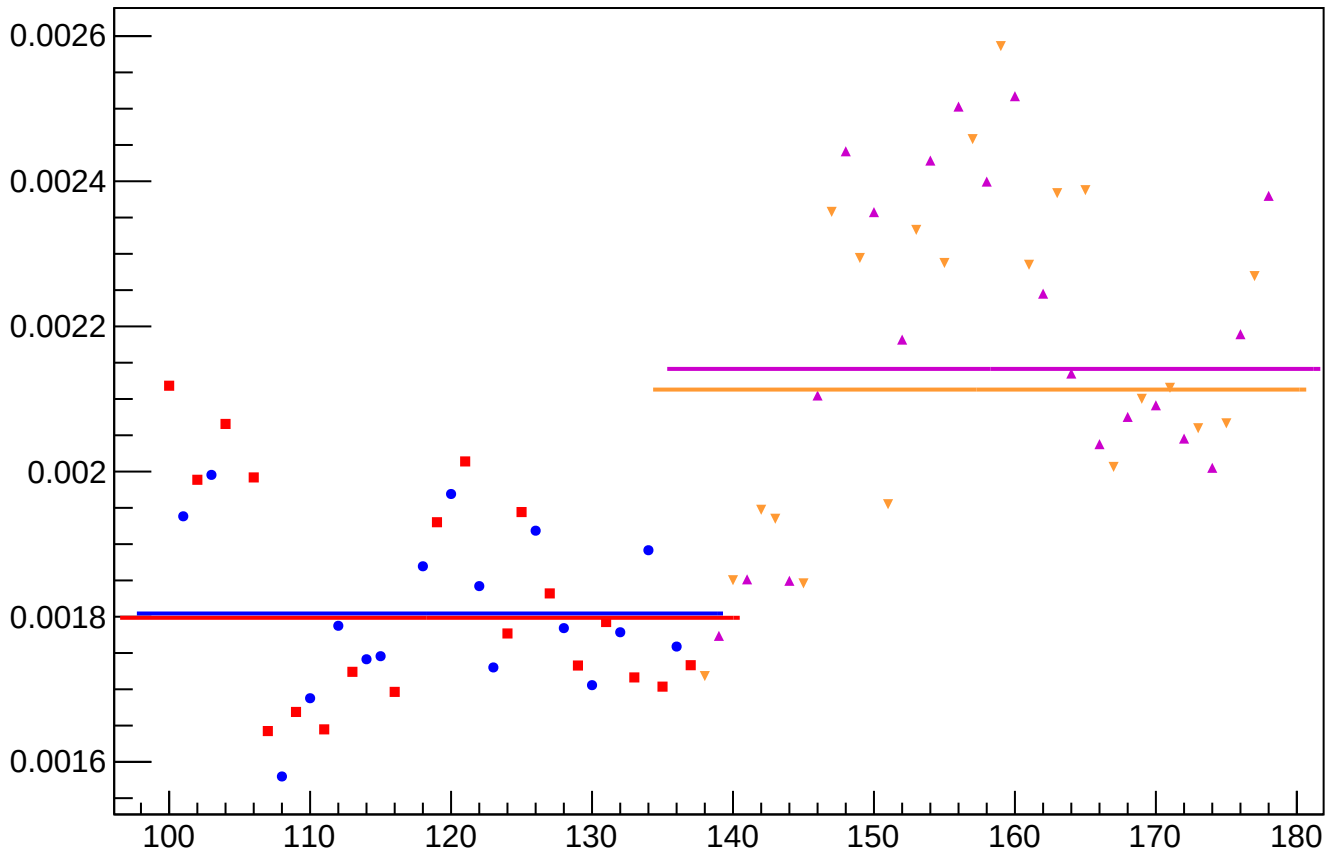
Left In: -3.727+/-0.000 χ^2/NDF : 232336442309.5/19

+ sign -3.956+/-0.000 χ^2/NDF : 1318706226060.8/3

All: -3.981+/-0.000 χ^2/NDF : 2531553197042

- 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 :351927.7/20

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

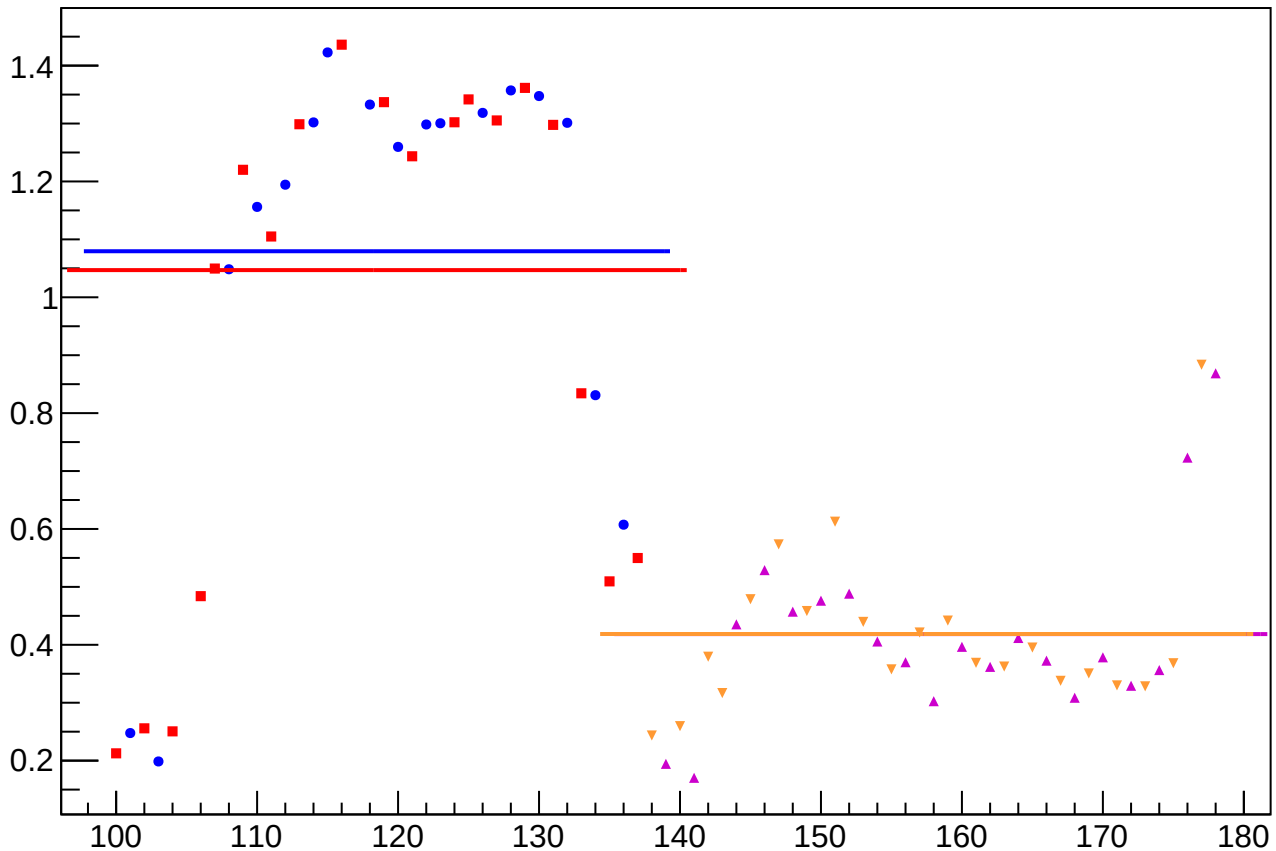
Left In: 0.002+/-0.000 χ^2/NDF :322445.7/19

+ sign 0.002+/-0.000 χ^2/NDF : 641377.7/37

All: 0.002+/-0.000 χ^2/NDF : 1348229.8/76

- 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: 0.419 $\pm$ 0.000 χ^2 /NDF: 3787336896.2/20

+ sign 0.684 $\pm$ 0.000 χ^2 /NDF: 53259358677.0/37

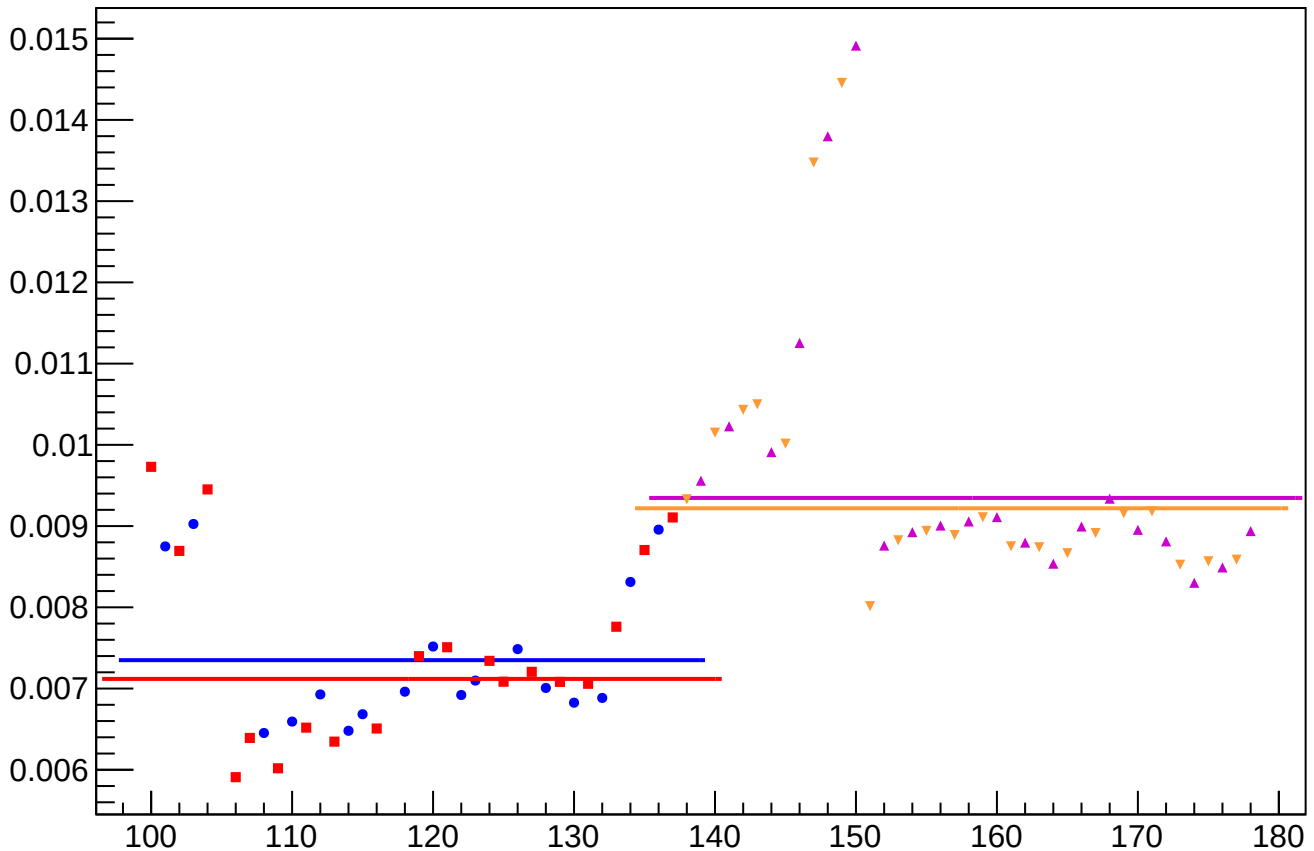
Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

All: 0.691 $\pm$ 0.000 χ^2 /NDF: 107603108823.7

Left In: 0.419 $\pm$ 0.000 χ^2 /NDF: 4390671058.0/19

- 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 : 505404.9/20

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

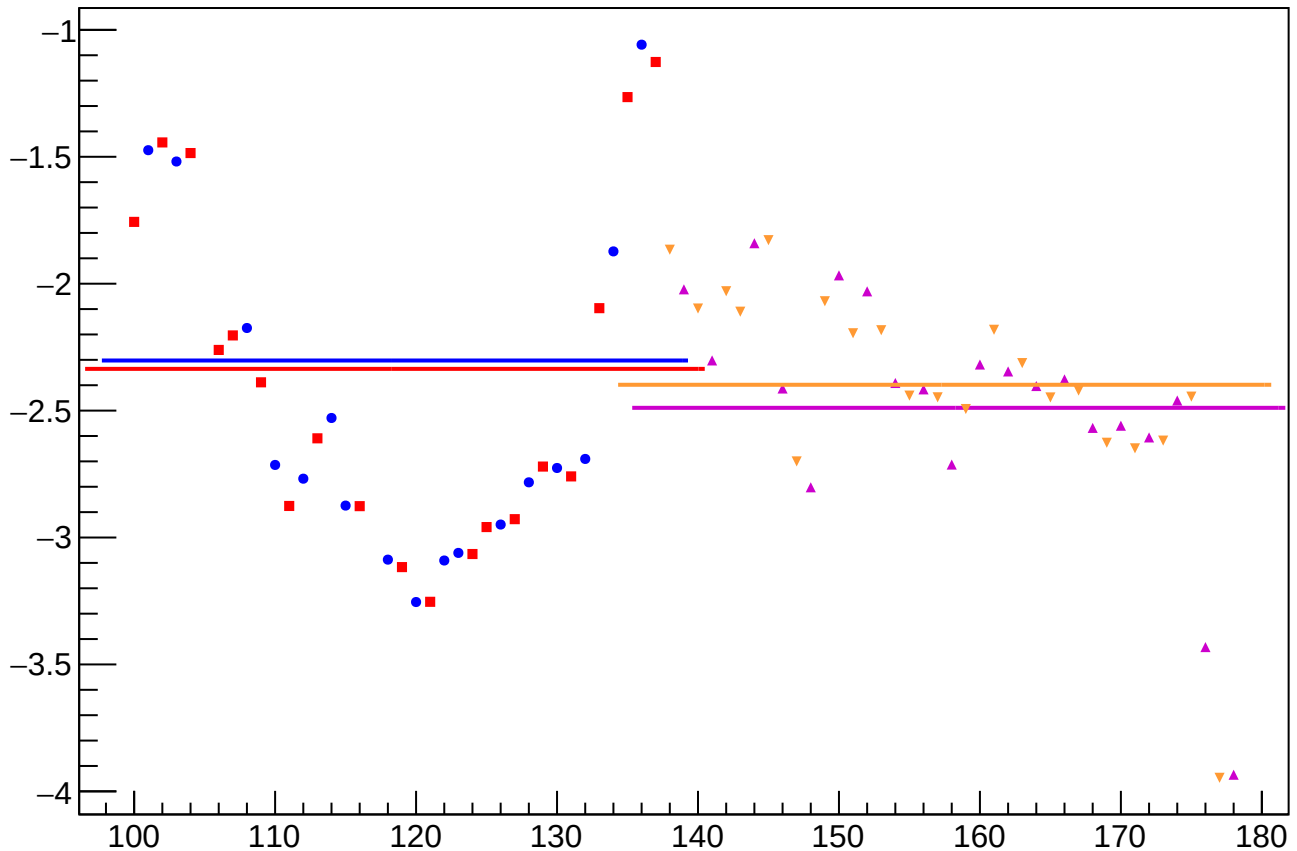
Left In: 0.009+/-0.000 χ^2/NDF : 555494.2/19

+ sign 0.008+/-0.000 χ^2/NDF : 1197586.0/37

All: 0.008+/-0.000 χ^2/NDF : 2775916.8/76

- 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: -2.398+/-0.000 χ^2/NDF : 37994089460.1/20

Right Out: -2.336+/-0.000 χ^2/NDF : 64499162456.4/18

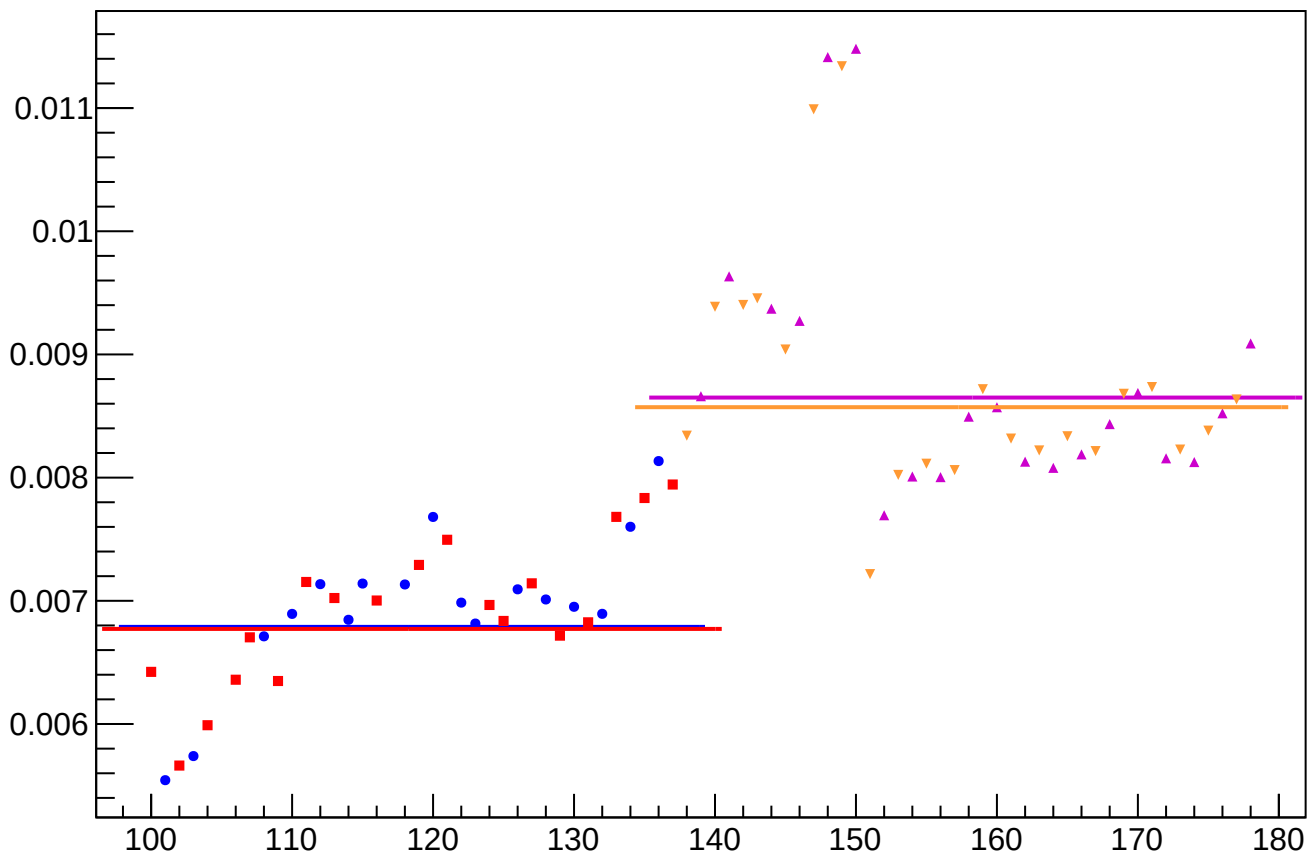
Left In: -2.489+/-0.000 χ^2/NDF : 42179732181.3/19

+ sign -2.360+/-0.000 χ^2/NDF : 112534736808.9/37

All: -2.391+/-0.000 χ^2/NDF : 221996411634.8

- 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 : 294045.9/20

Right Out: 0.007+/-0.000 χ^2/NDF : 123244.0/18

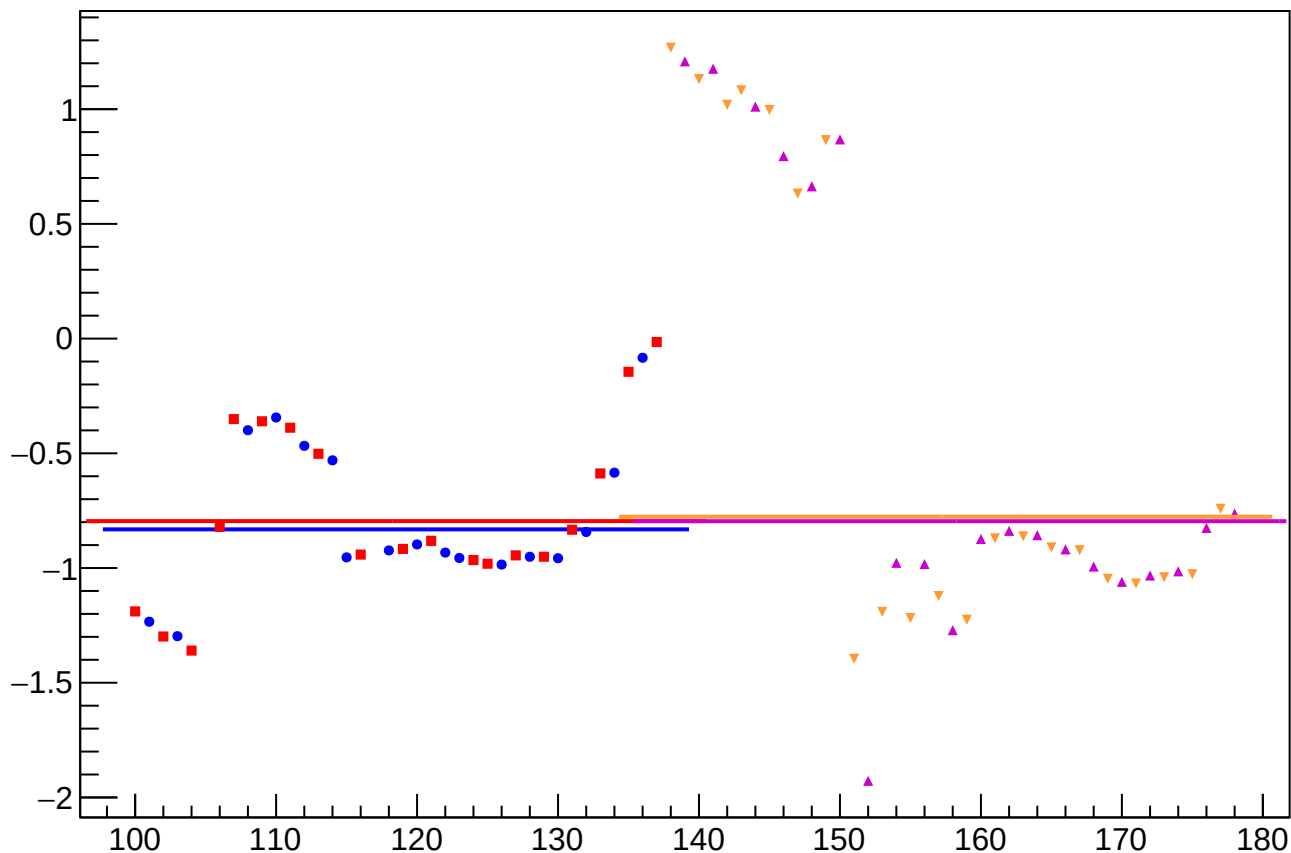
Left In: 0.009+/-0.000 χ^2/NDF : 313083.9/19

+ sign 0.008+/-0.000 χ^2/NDF : 1005148.2/37

All: 0.008+/-0.000 χ^2/NDF : 2059859.6/76

- sign 0.008+/-0.000 χ^2/NDF : 1054681.8/38

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.776 ± 0.000 χ^2/NDF : 118480470233.1/20

Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

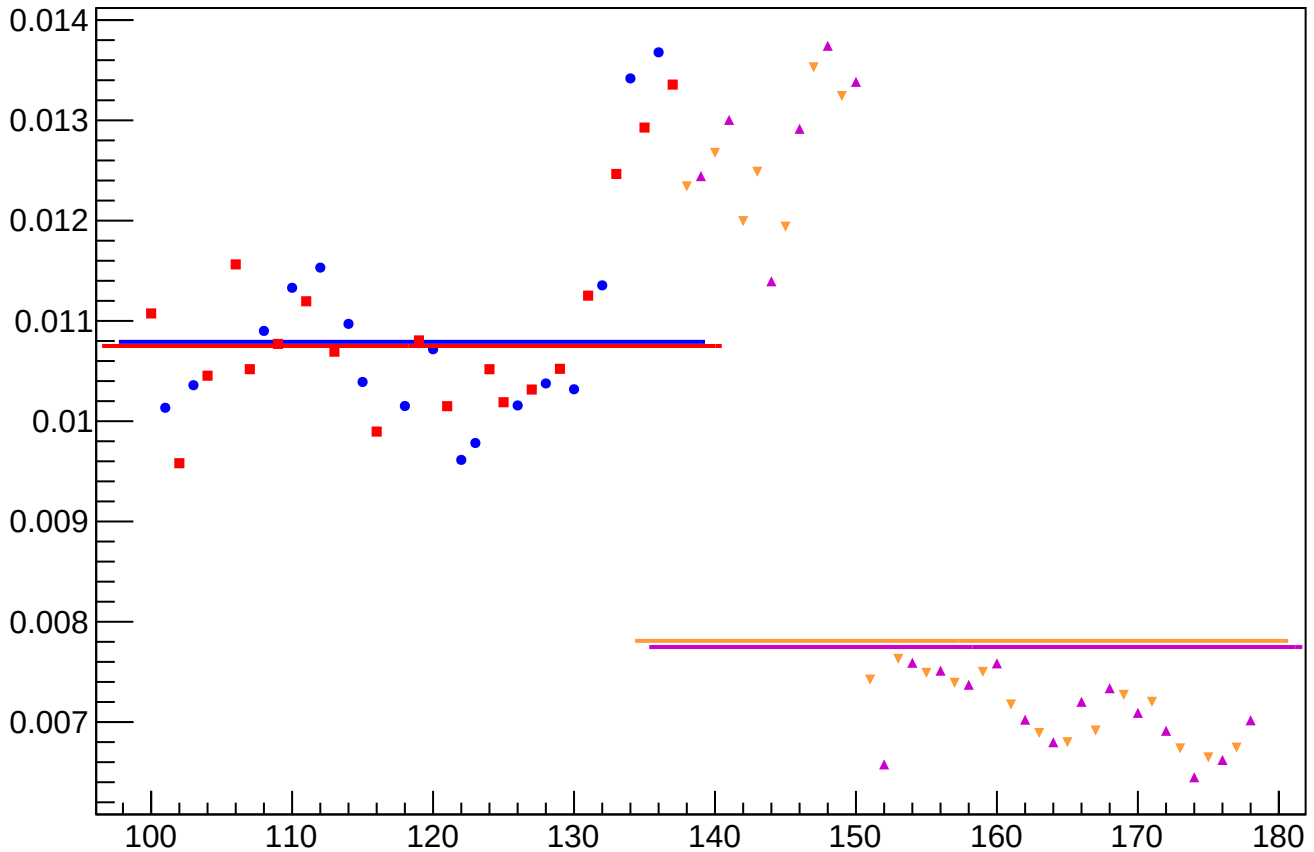
Left In: -0.796 ± 0.000 χ^2/NDF : 123390128723.9/19

+ sign -0.787 ± 0.000 χ^2/NDF : 125310740185.3/37

All: -0.791 ± 0.000 χ^2/NDF : 256534299123.6

- sign -0.796 ± 0.000 χ^2/NDF : 131211880330.6/38

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.008+/-0.000 χ^2/NDF : 1675606.6/20

Right Out: 0.011+/-0.000 χ^2/NDF : 90220.8/18

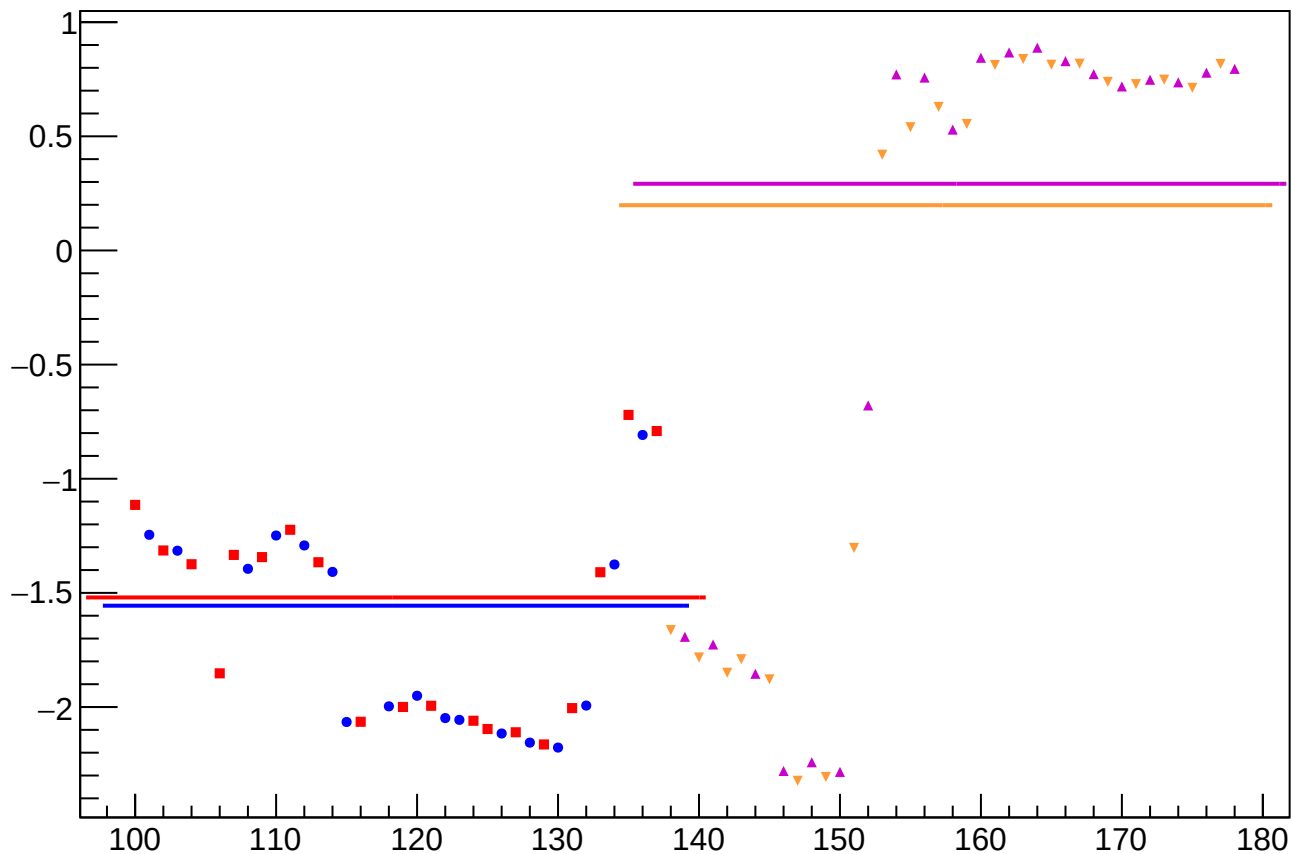
Left In: 0.008+/-0.000 χ^2/NDF : 1740245.9/19

+ sign 0.008+/-0.000 χ^2/NDF : 2613764.7/37

All: 0.008+/-0.000 χ^2/NDF : 5304329.5/76

- sign 0.008+/-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: 0.198 ± 0.000 χ^2/NDF : 2424395657865.4/20

Right Out: -1.520 ± 0.000 χ^2/NDF : 138464991806.4/18

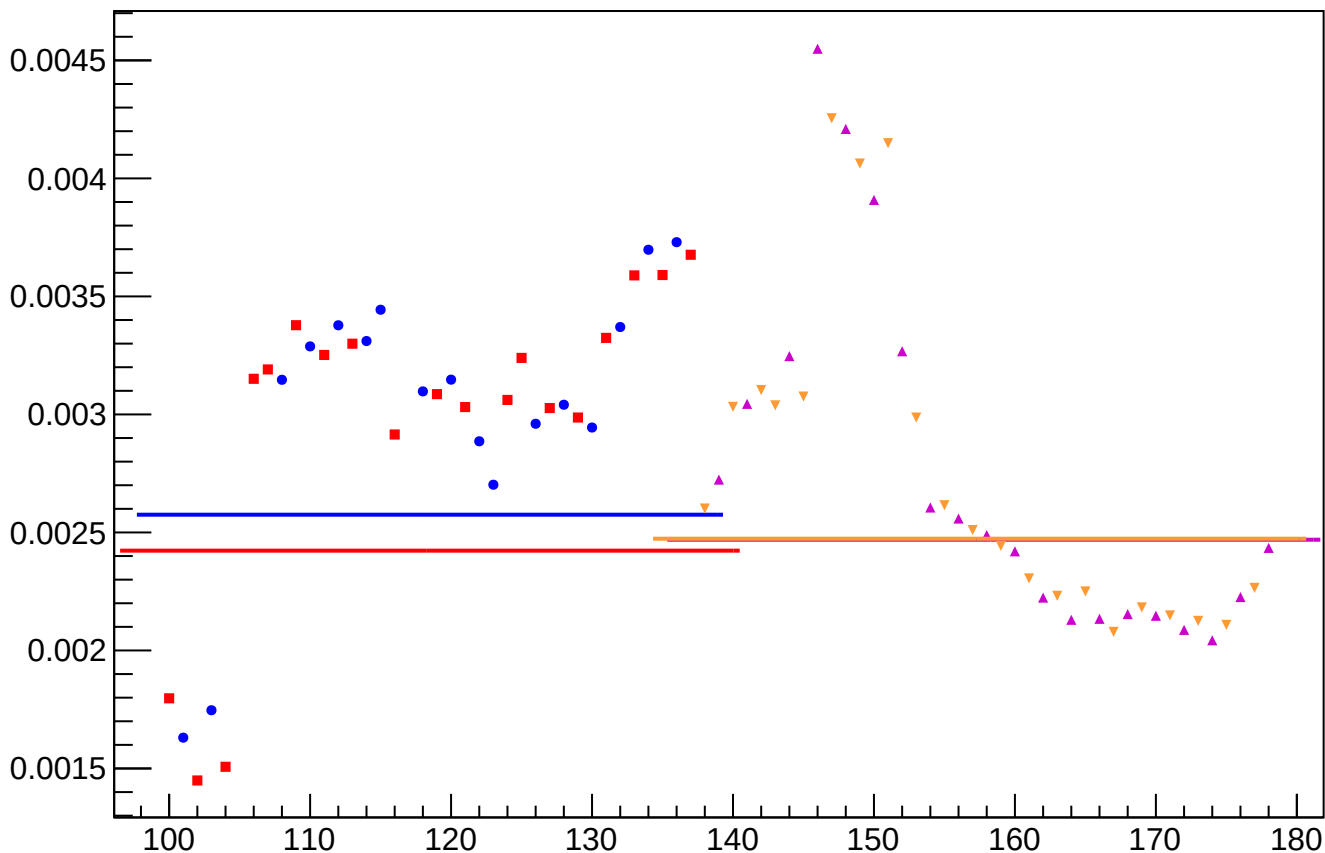
Left In: 0.292 ± 0.000 χ^2/NDF : 2214323715337.6/19

+ sign -0.284 ± 0.000 χ^2/NDF : 4484215941707.2/3

All: -0.273 ± 0.000 χ^2/NDF : 9040900463924

- sign -0.261 ± 0.000 χ^2/NDF : 4555881911654.3/3

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 1013833.9/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1057268.3/20

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 1490134.1/18

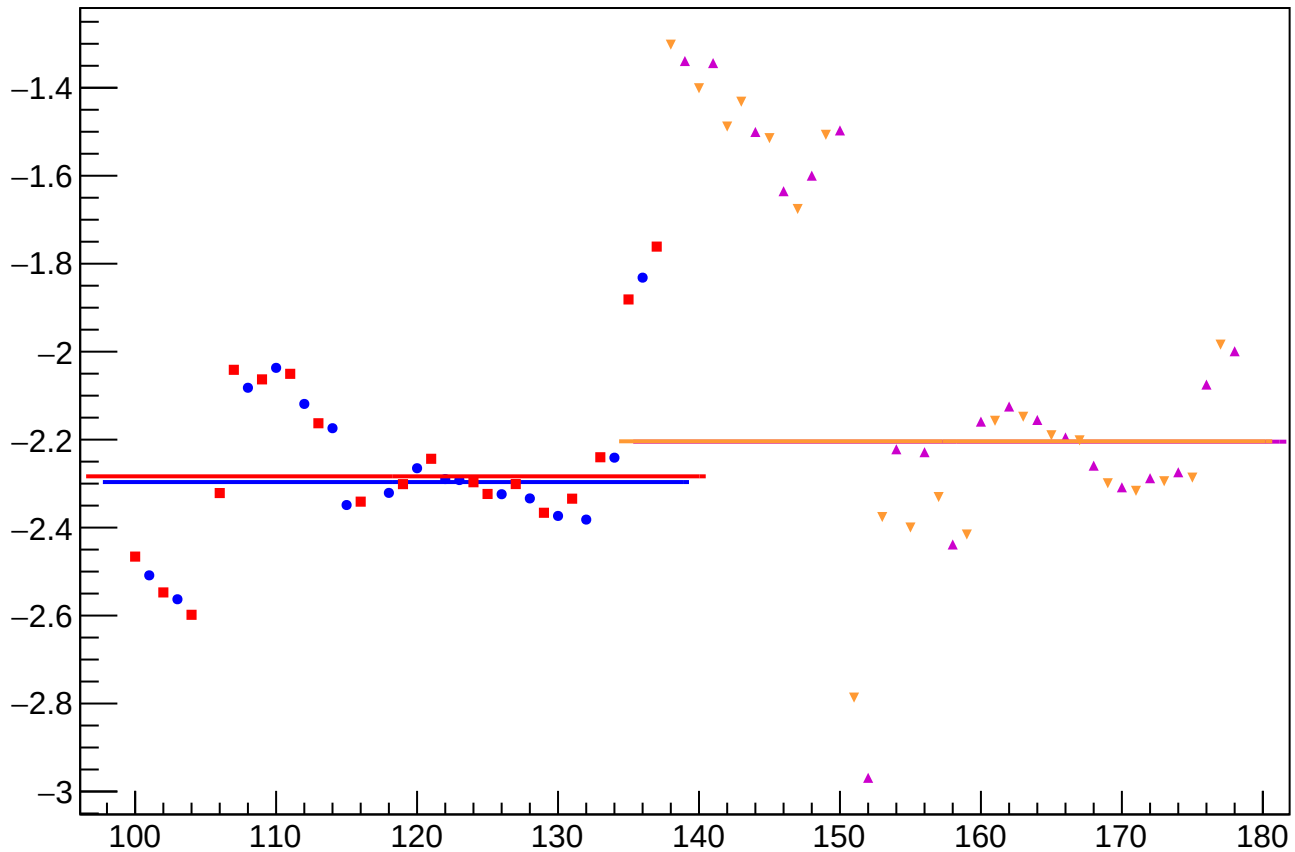
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1131792.6/19

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2083892.0/37

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 4715441.2/76

- sign 0.002 $\pm$ 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: -2.204+/-0.000 χ^2/NDF : 55039429693.8/20

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

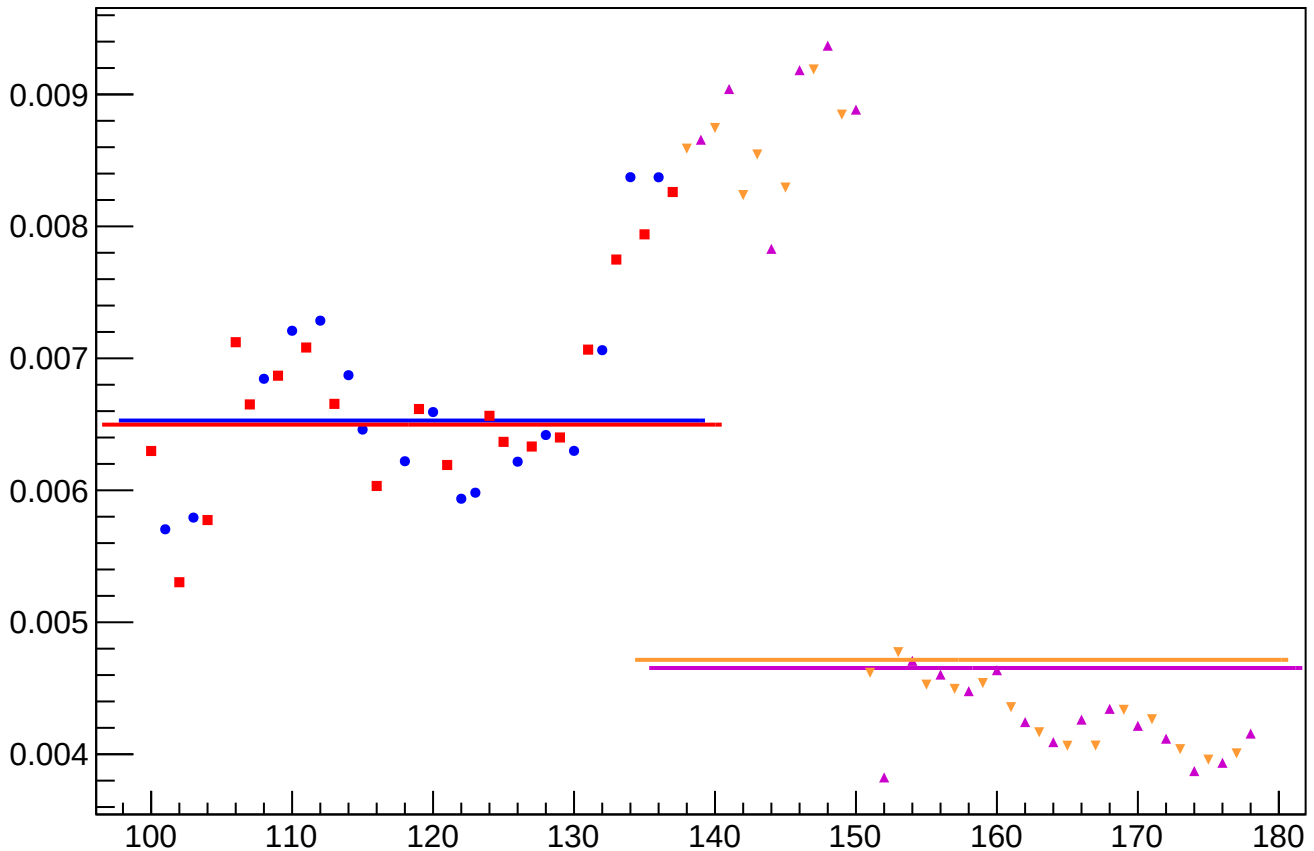
Left In: -2.205+/-0.000 χ^2/NDF : 70013540232.1/19

+ sign -2.222+/-0.000 χ^2/NDF : 61873384212.6/37

All: -2.221+/-0.000 χ^2/NDF : 139232037626.9

- sign -2.221+/-0.000 χ^2/NDF : 77358159503.9/38

yield_bpm0i01aX_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 176467.7/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:2270803.4/20

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 164144.2/18

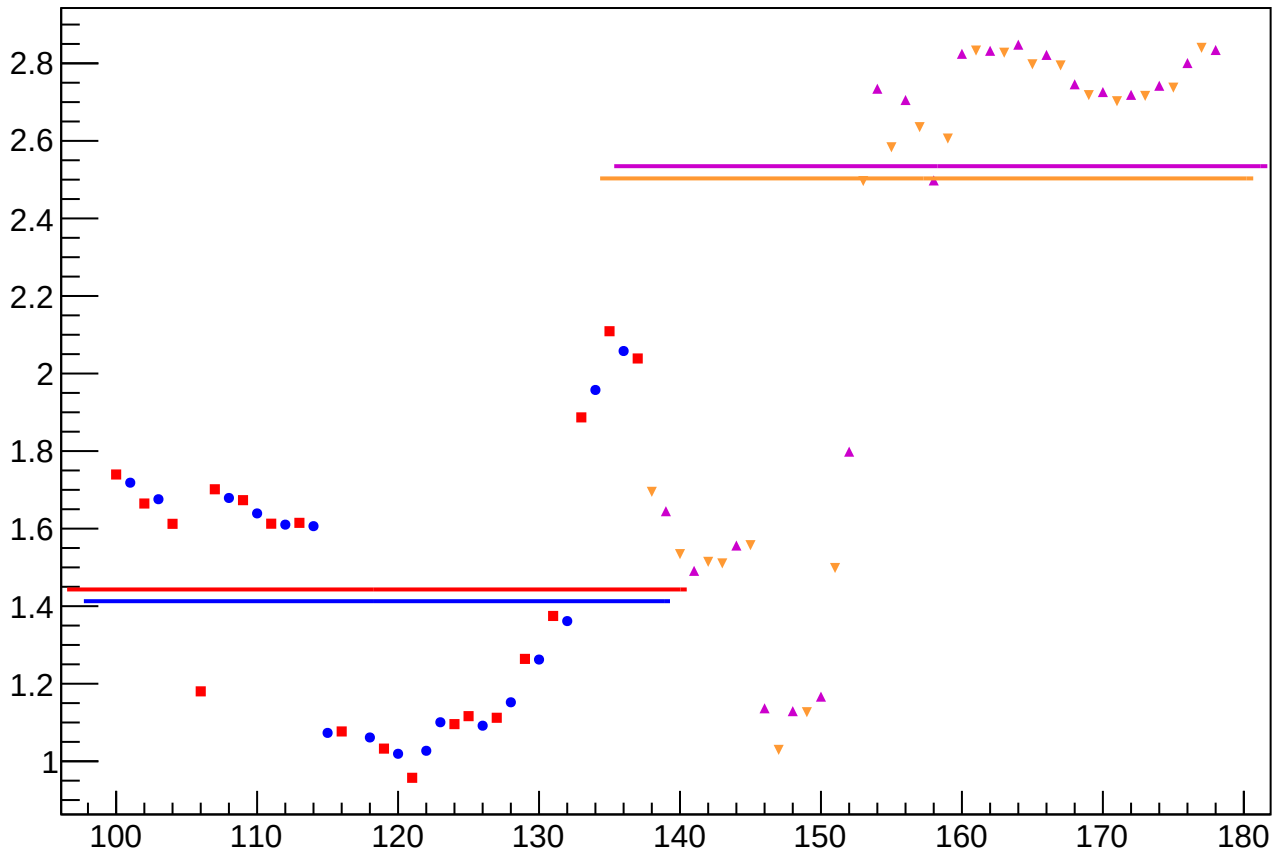
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:2354284.0/19

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3252405.0/37

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 6644162.0/76

- sign 0.005 $\pm$ 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: 2.503+/-0.000 χ^2/NDF : 253163598176.1/20

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

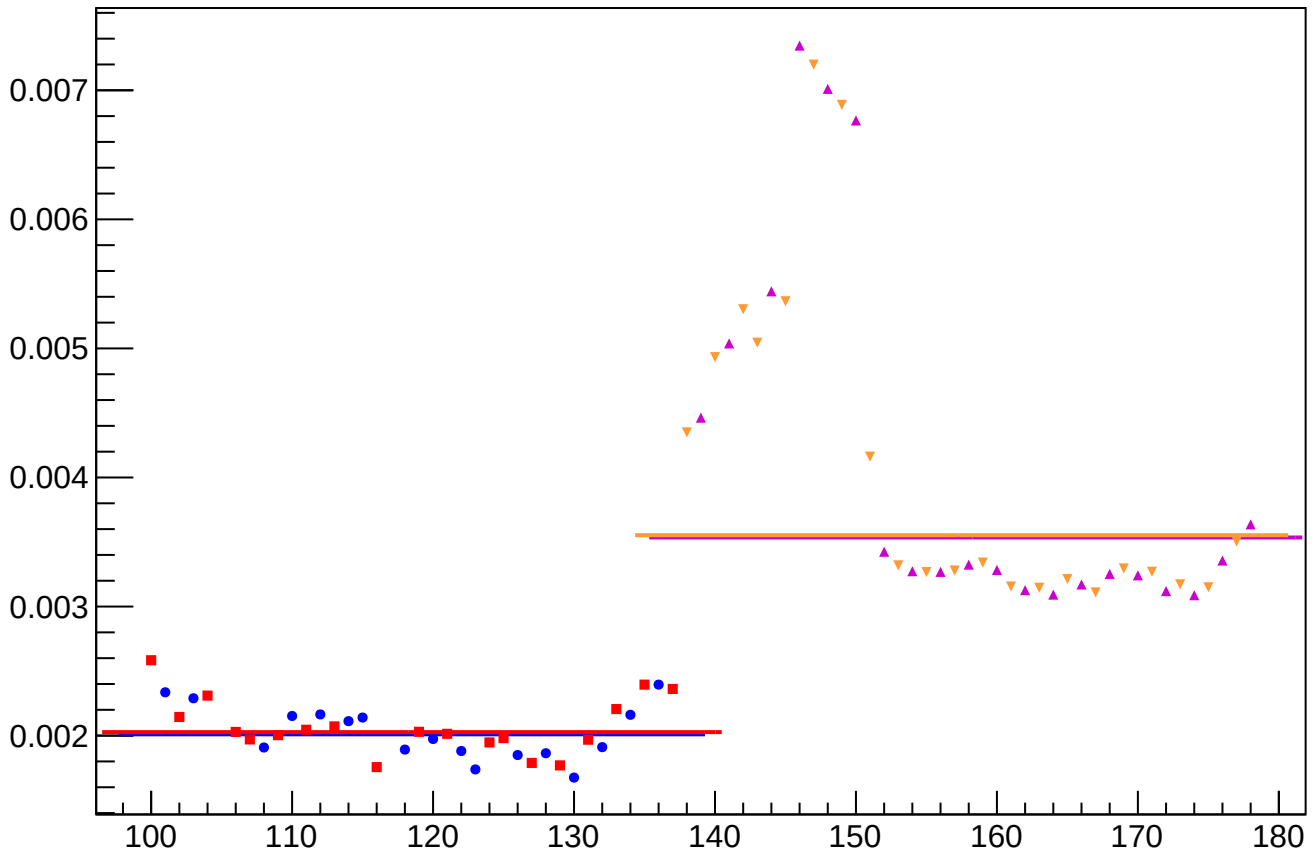
Left In: 2.535+/-0.000 χ^2/NDF : 250894773031.4/19

+ sign 1.875+/-0.000 χ^2/NDF : 1194893447692.0/37

All: 1.883+/-0.000 χ^2/NDF : 2391980633636.

- 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 :1350501.1/20

Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

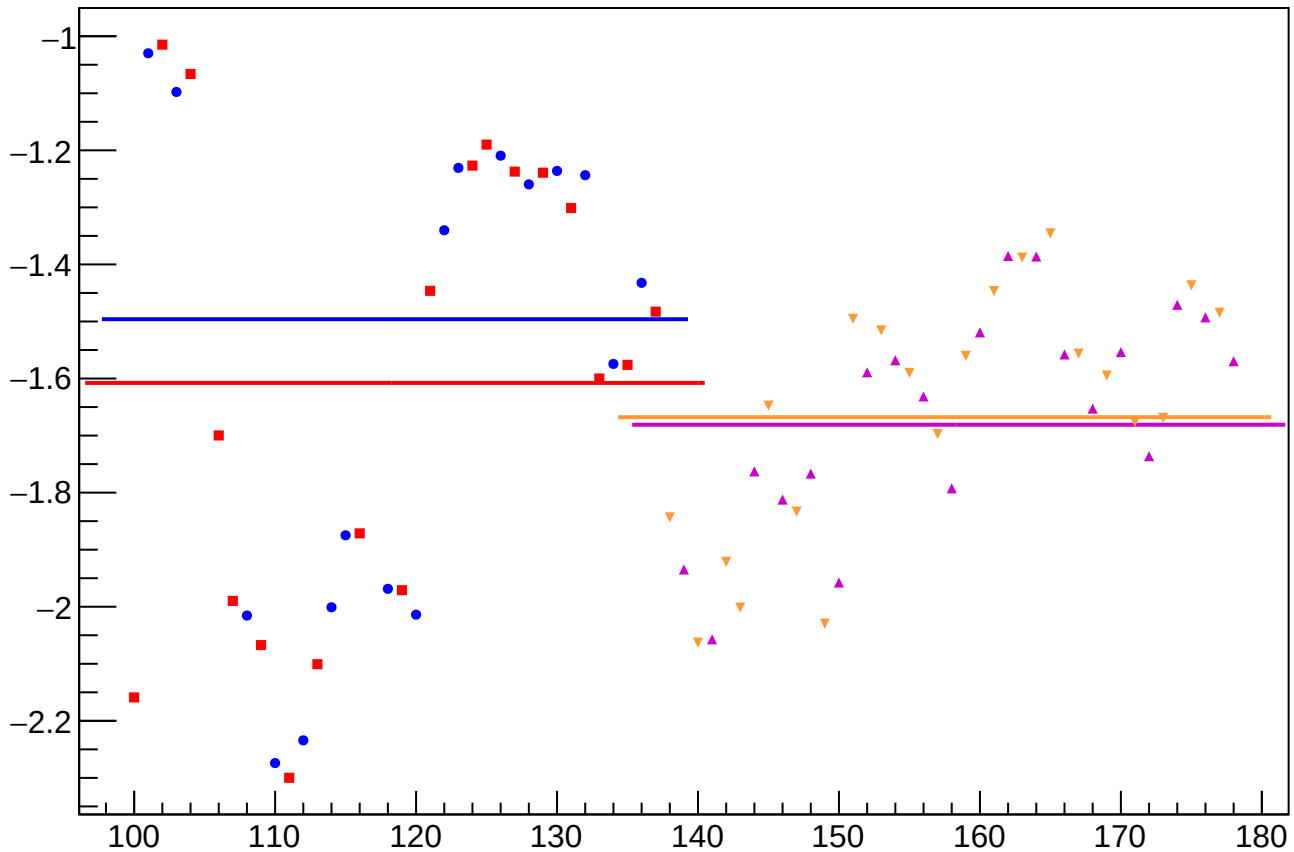
Left In: 0.004+/-0.000 χ^2/NDF :1537100.6/19

+ sign 0.003+/-0.000 χ^2/NDF : 4582394.0/37

All: 0.003+/-0.000 χ^2/NDF : 9172527.0/76

- 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: -1.668+/-0.000 χ^2/NDF : 17508422059.4/20

Right Out: -1.608+/-0.000 χ^2/NDF : 27836461057.4/18

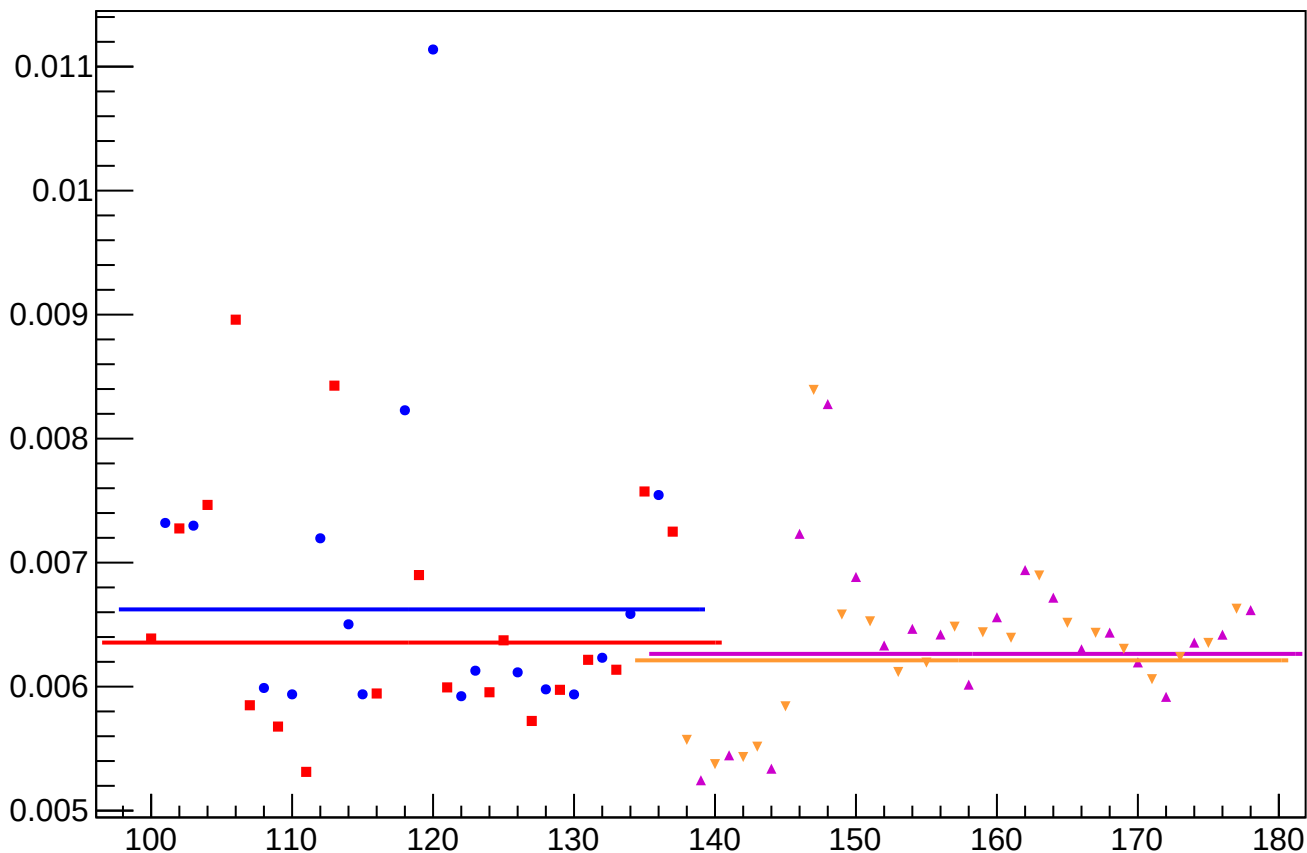
Left In: -1.681+/-0.000 χ^2/NDF : 13135171757.9/19

+ sign -1.623+/-0.000 χ^2/NDF : 43049899999.3/37

All: -1.641+/-0.000 χ^2/NDF : 84974602884.5/38

- 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 : 234568.3/20

Right Out: 0.006+/-0.000 χ^2/NDF : 227861.1/18

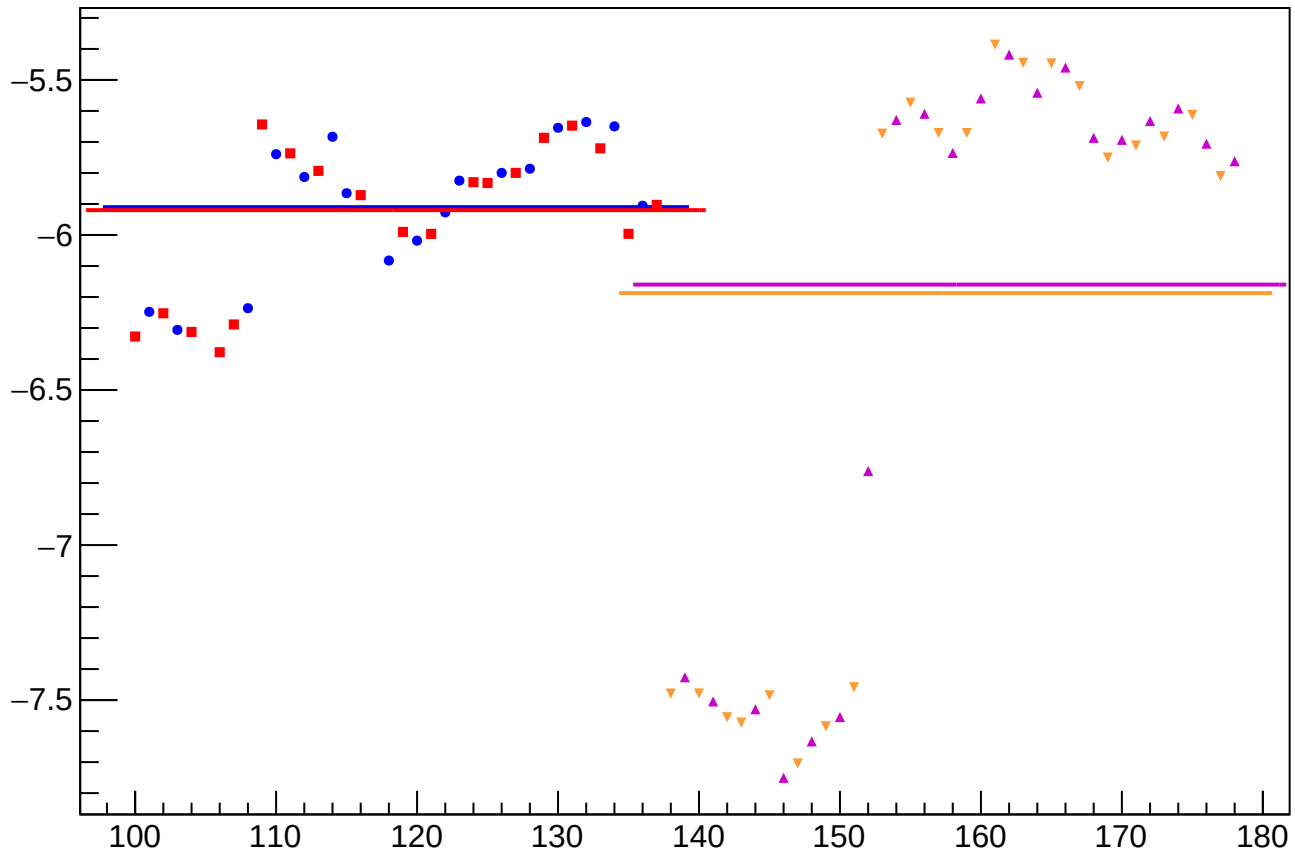
Left In: 0.006+/-0.000 χ^2/NDF : 298719.4/19

+ sign 0.006+/-0.000 χ^2/NDF : 501713.4/37

All: 0.006+/-0.000 χ^2/NDF : 1030602.4/76

- 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: -6.187+/-0.000 χ^2/NDF : 178535889707.7/20

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

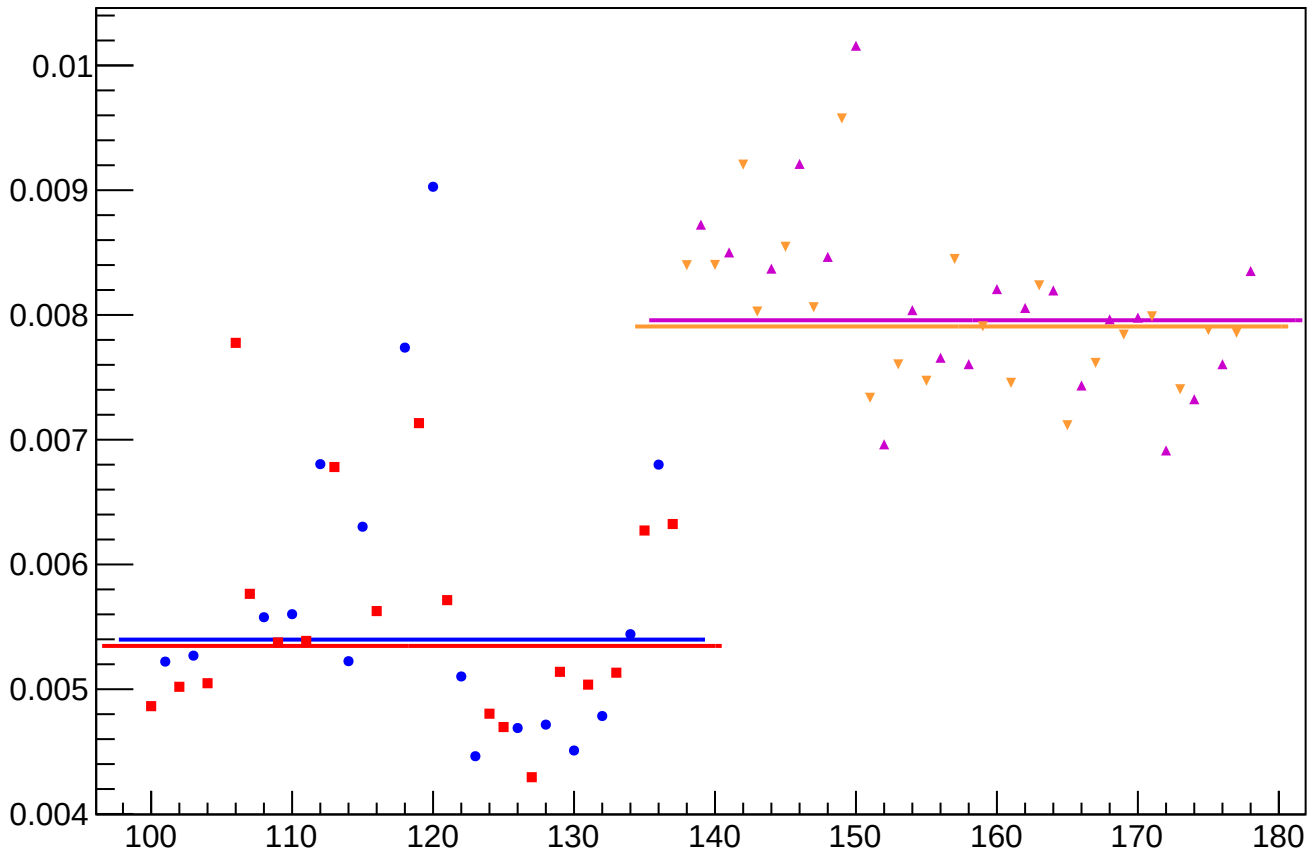
Left In: -6.160+/-0.000 χ^2/NDF : 154942115180.3/19

+ sign -6.056+/-0.000 χ^2/NDF : 197910581710.6/37

All: -6.048+/-0.000 χ^2/NDF : 372105895083.2

- 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 :123215.6/20

Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

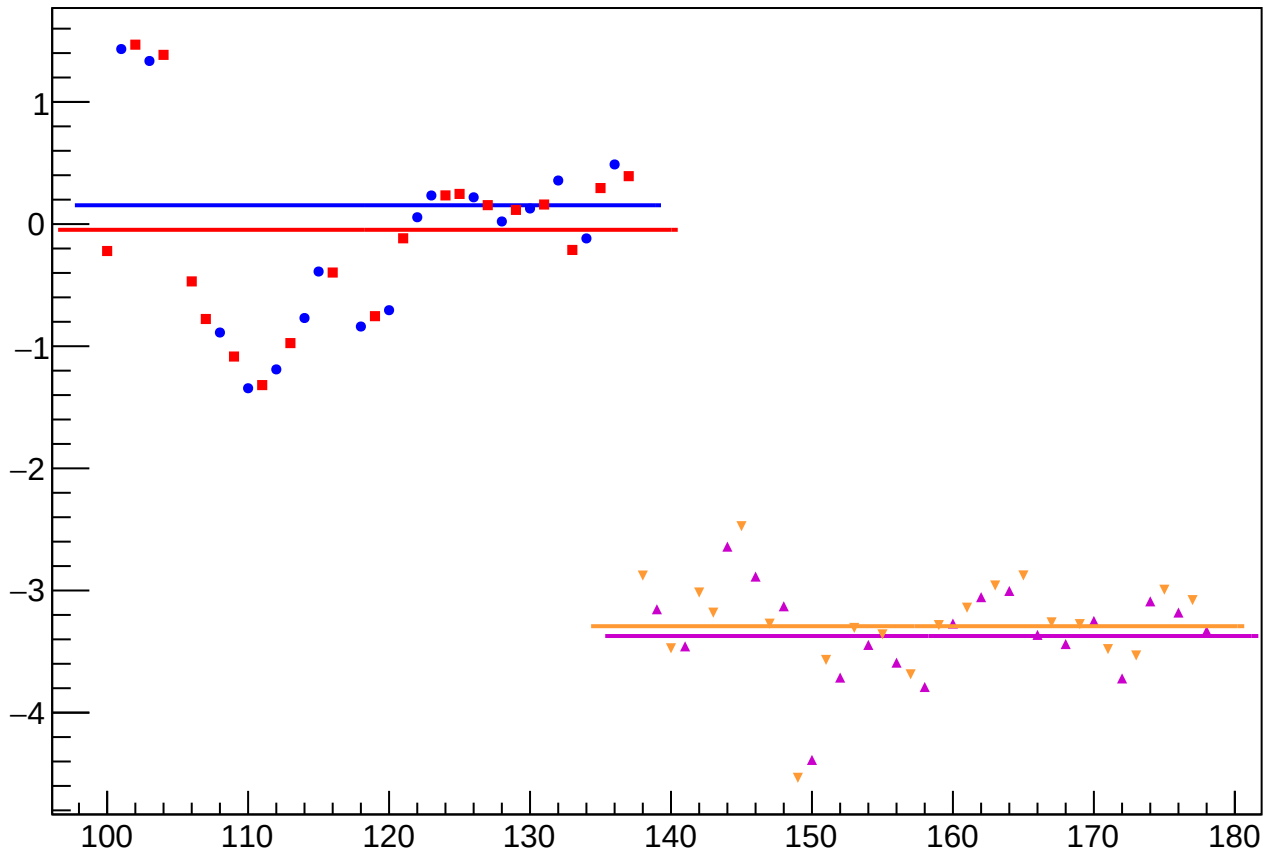
Left In: 0.008+/-0.000 χ^2/NDF :207593.3/19

+ sign 0.007+/-0.000 χ^2/NDF : 1843263.3/37

All: 0.007+/-0.000 χ^2/NDF : 3816671.2/76

- 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: -3.292+/-0.000 χ^2/NDF : 8693431290.7/20

Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

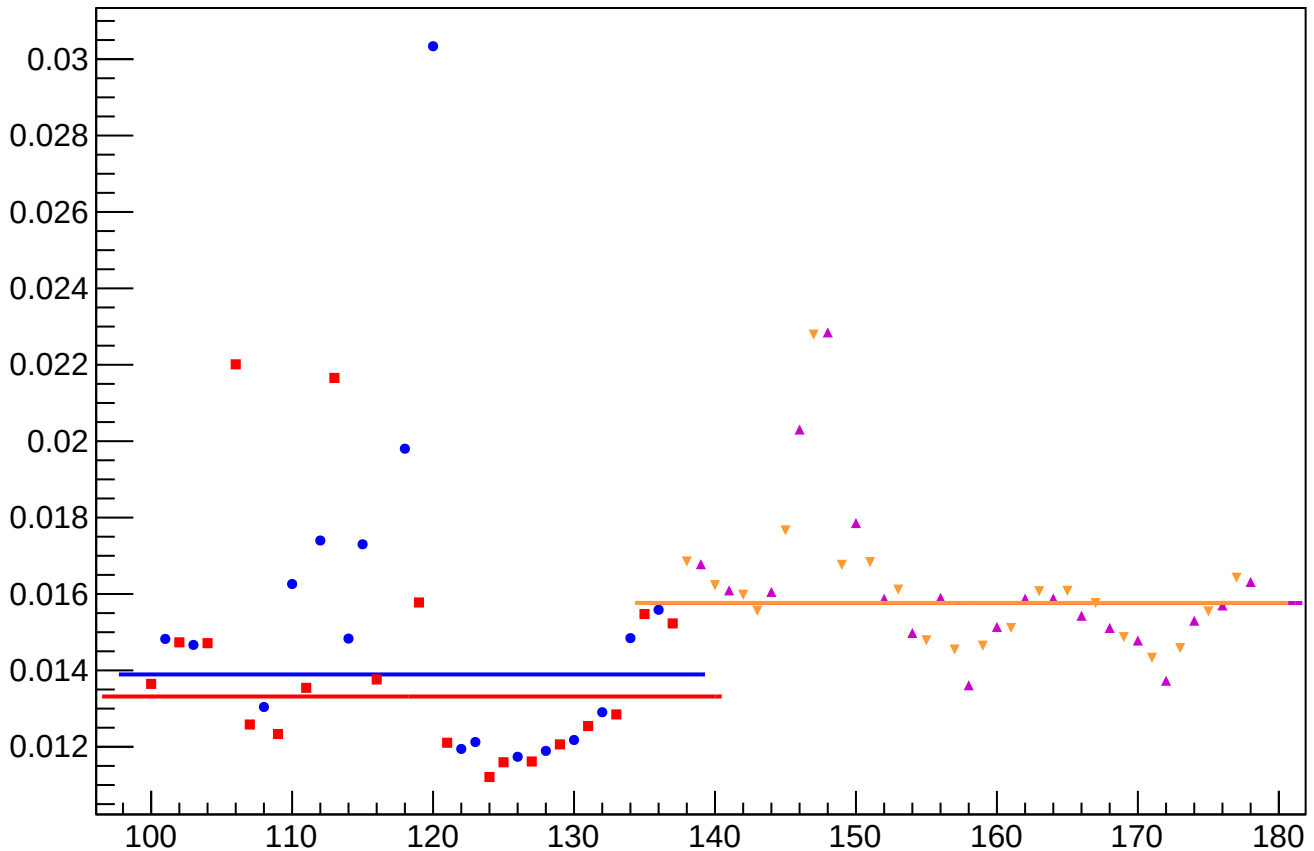
Left In: -3.373+/-0.000 χ^2/NDF : 7738000270.0/19

+ sign -2.137+/-0.000 χ^2/NDF : 267852120627.7/37

All: -2.121+/-0.000 χ^2/NDF : 546327288209.5

- sign -2.106+/-0.000 χ^2/NDF : 278431481088.4/38

yield_bpm0l02X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 400569.4/16

Left Out: 0.016 $\pm$ 0.000 χ^2 /NDF:234257.0/20

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 291358.0/18

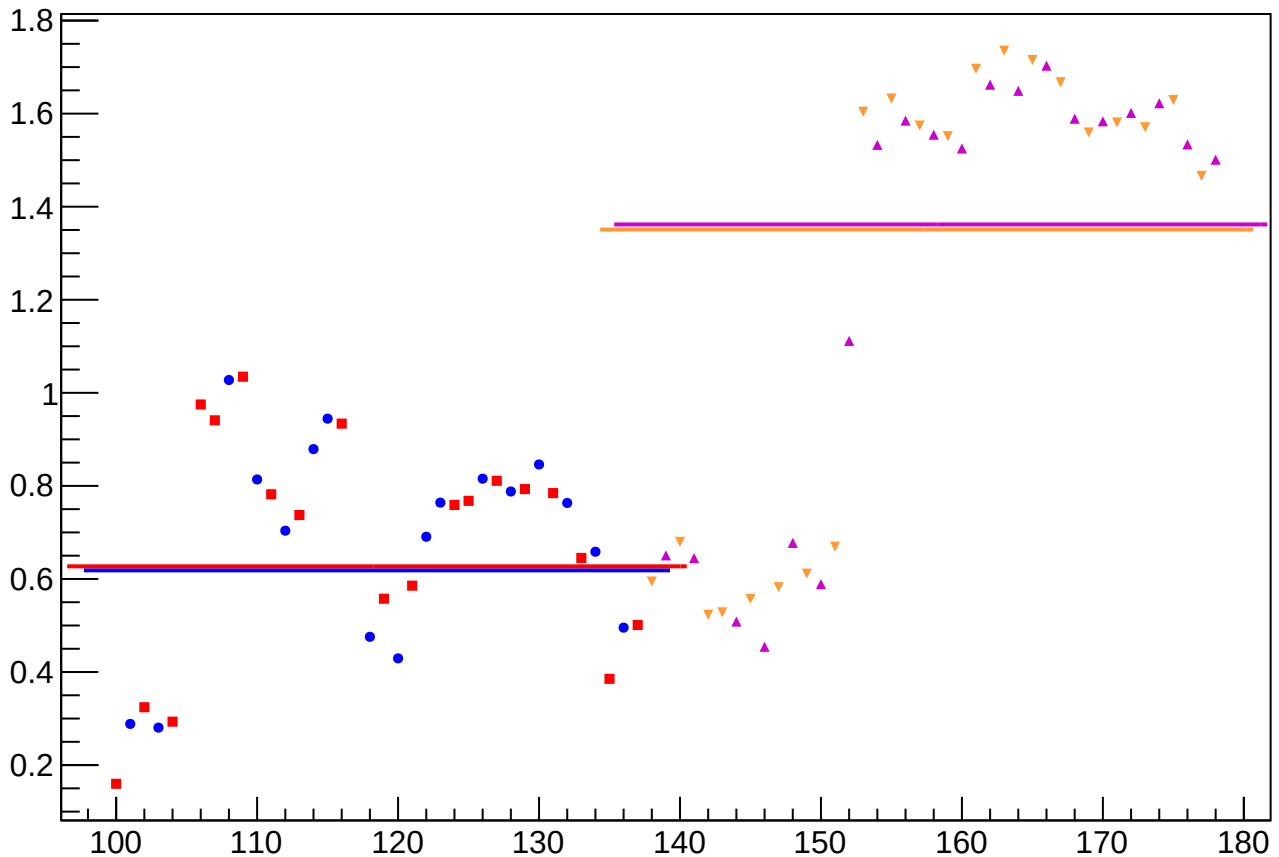
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:329866.5/19

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 777831.1/37

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 1677871.5/76

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 891204.5/38

yield_bpm0l02Y_mean vs Slug



Right In: 0.619 $\pm$ 0.000 χ^2 /NDF: 5416939288.1/16

Left Out: 1.351 $\pm$ 0.000 χ^2 /NDF: 72249887205.1/20

Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6337935219.4/18

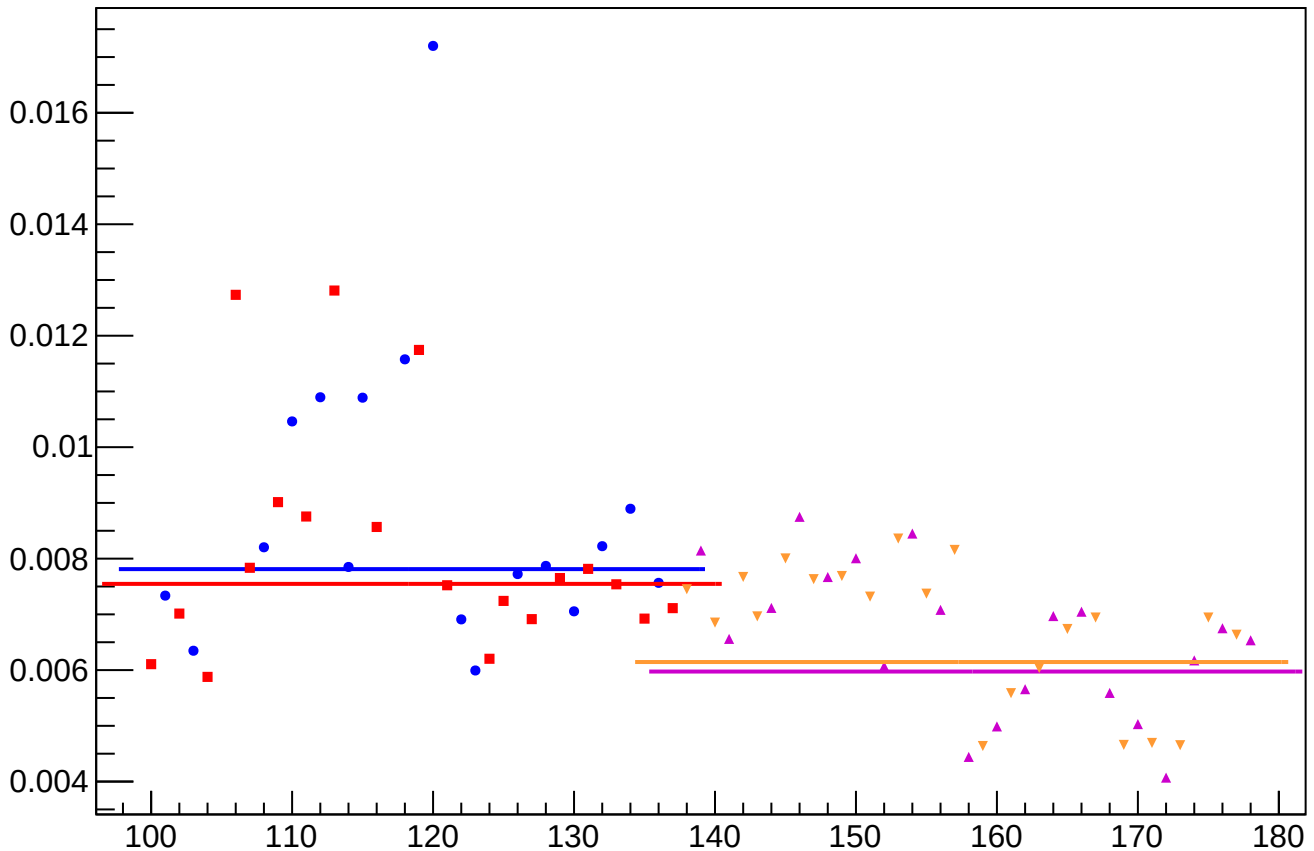
Left In: 1.362 $\pm$ 0.000 χ^2 /NDF: 62791000903.2/19

+ sign 1.202 $\pm$ 0.000 χ^2 /NDF: 118418723912.9/37

All: 1.202 $\pm$ 0.000 χ^2 /NDF: 233485921295.8

- sign 1.202 $\pm$ 0.000 χ^2 /NDF: 115067192784.3/38

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 466827.3/16

Left Out: 0.006+/-0.000 χ^2/NDF :1251319.7/20

Right Out: 0.008+/-0.000 χ^2/NDF : 441823.4/18

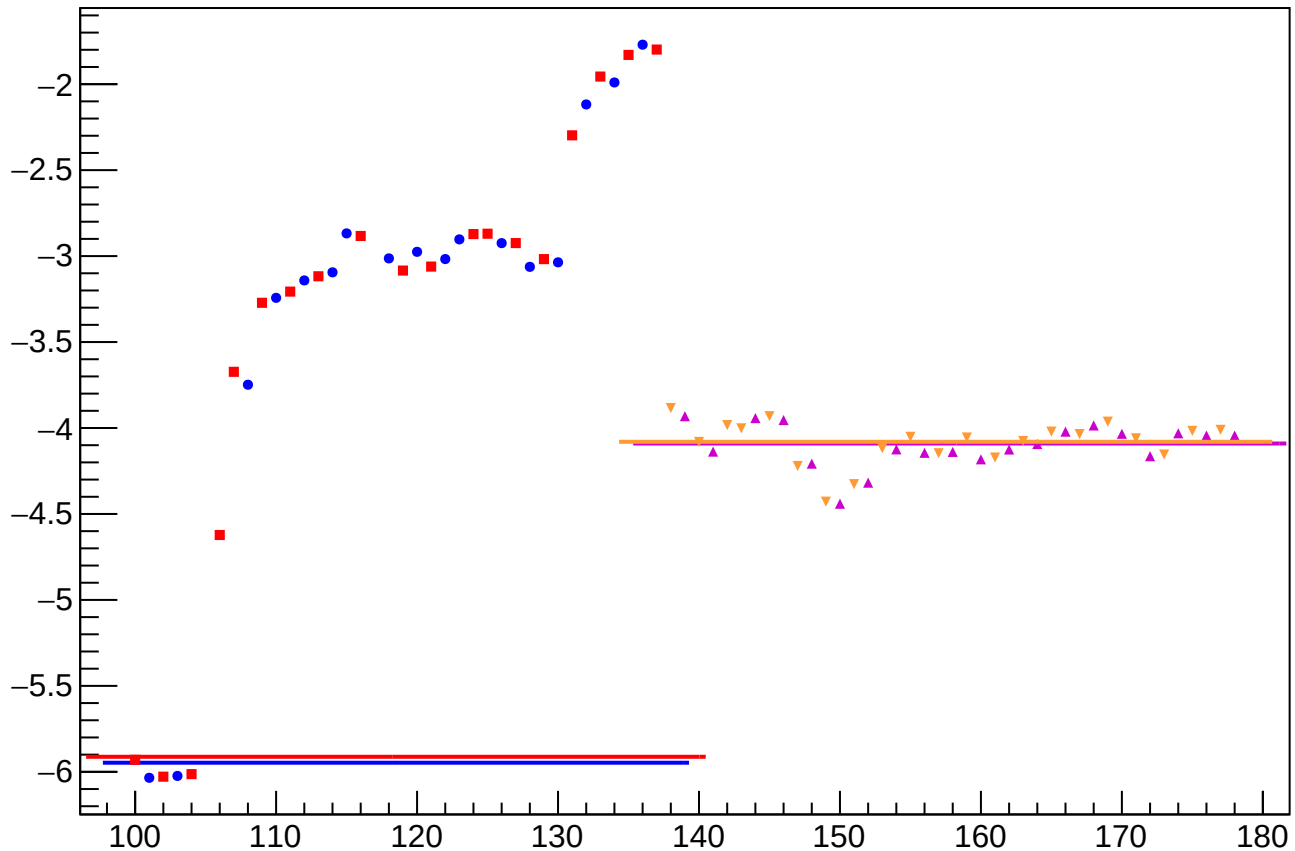
Left In: 0.006+/-0.000 χ^2/NDF :1329719.2/19

+ sign 0.006+/-0.000 χ^2/NDF : 2140480.7/37

All: 0.006+/-0.000 χ^2/NDF : 4346803.5/76

- sign 0.006+/-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: -4.080+/-0.000 χ^2/NDF : 35382873.9/20

Right Out: -5.912+/-0.000 χ^2/NDF : 14619971495.0/18

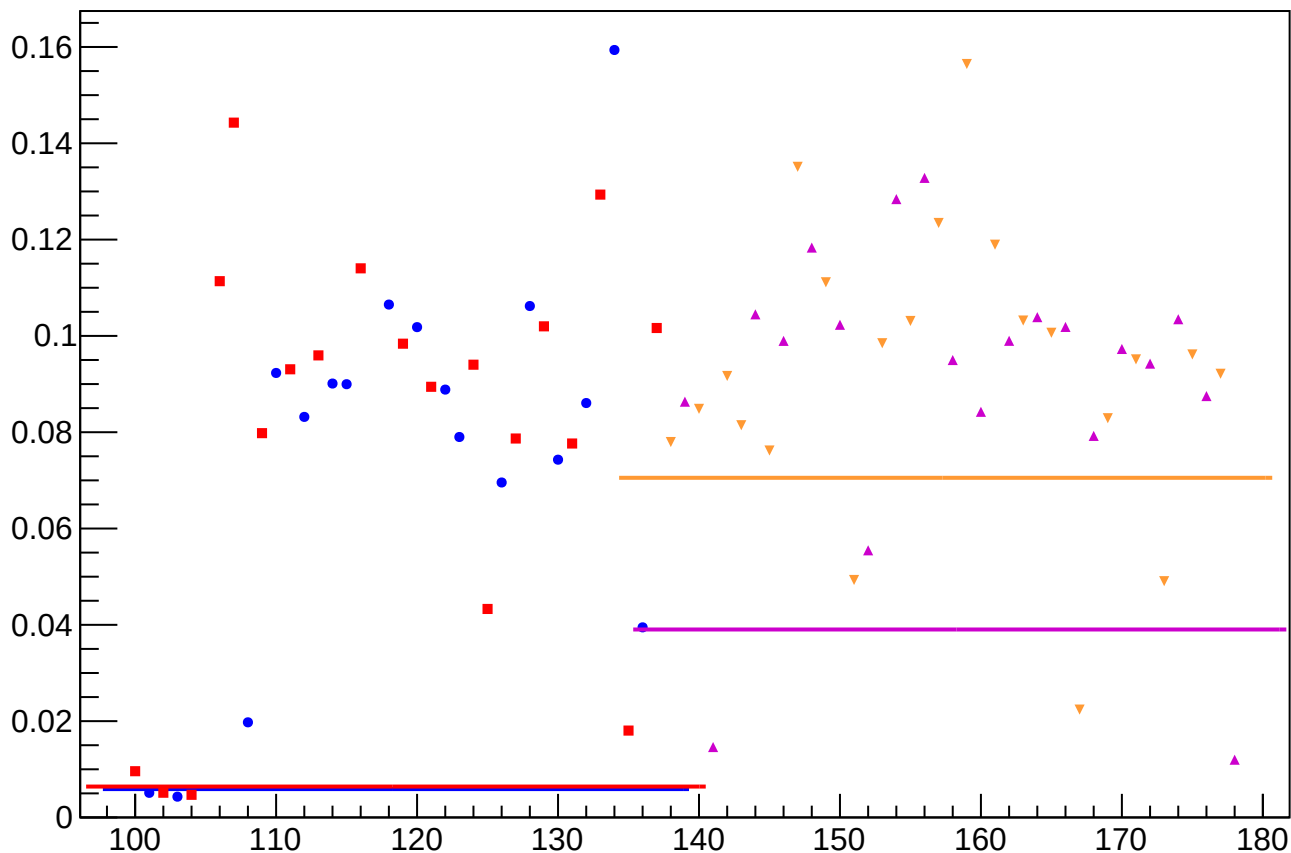
Left In: -4.090+/-0.000 χ^2/NDF : 33590092.1/19

+ sign -5.865+/-0.000 χ^2/NDF : 20409173719.1/37

All: -5.807+/-0.000 χ^2/NDF : 47530811191.4/40

- 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 : 4916252.8/20

Right Out: 0.006+/-0.000 χ^2/NDF : 8498586.9/18

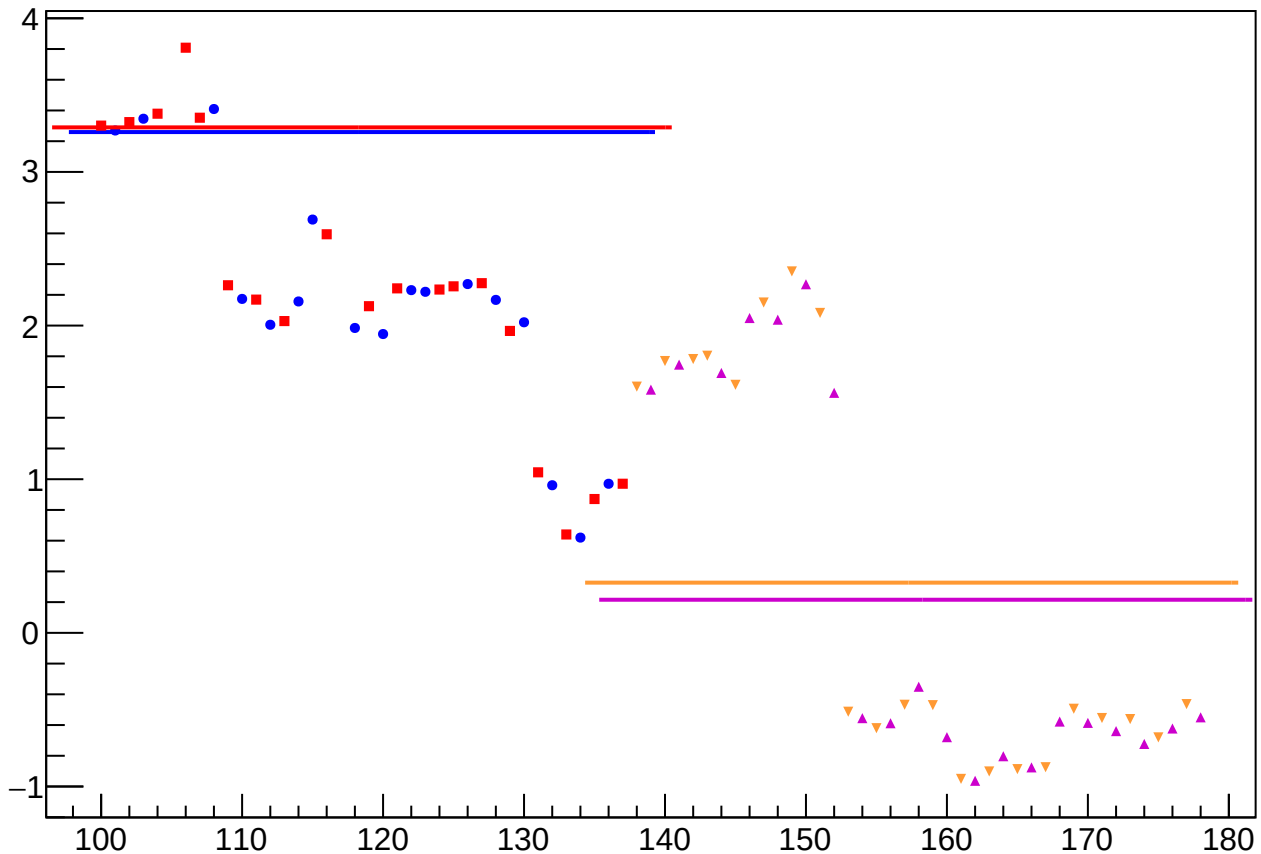
Left In: 0.039+/-0.000 χ^2/NDF : 12113635.4/19

+ sign 0.009+/-0.000 χ^2/NDF : 30136041.1/37

All: 0.009+/-0.000 χ^2/NDF : 58533014.1/76

- 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: 0.327+/-0.000 χ^2/NDF : 2988460374.1/20

Right Out: 3.290+/-0.000 χ^2/NDF : 3262231575.5/18

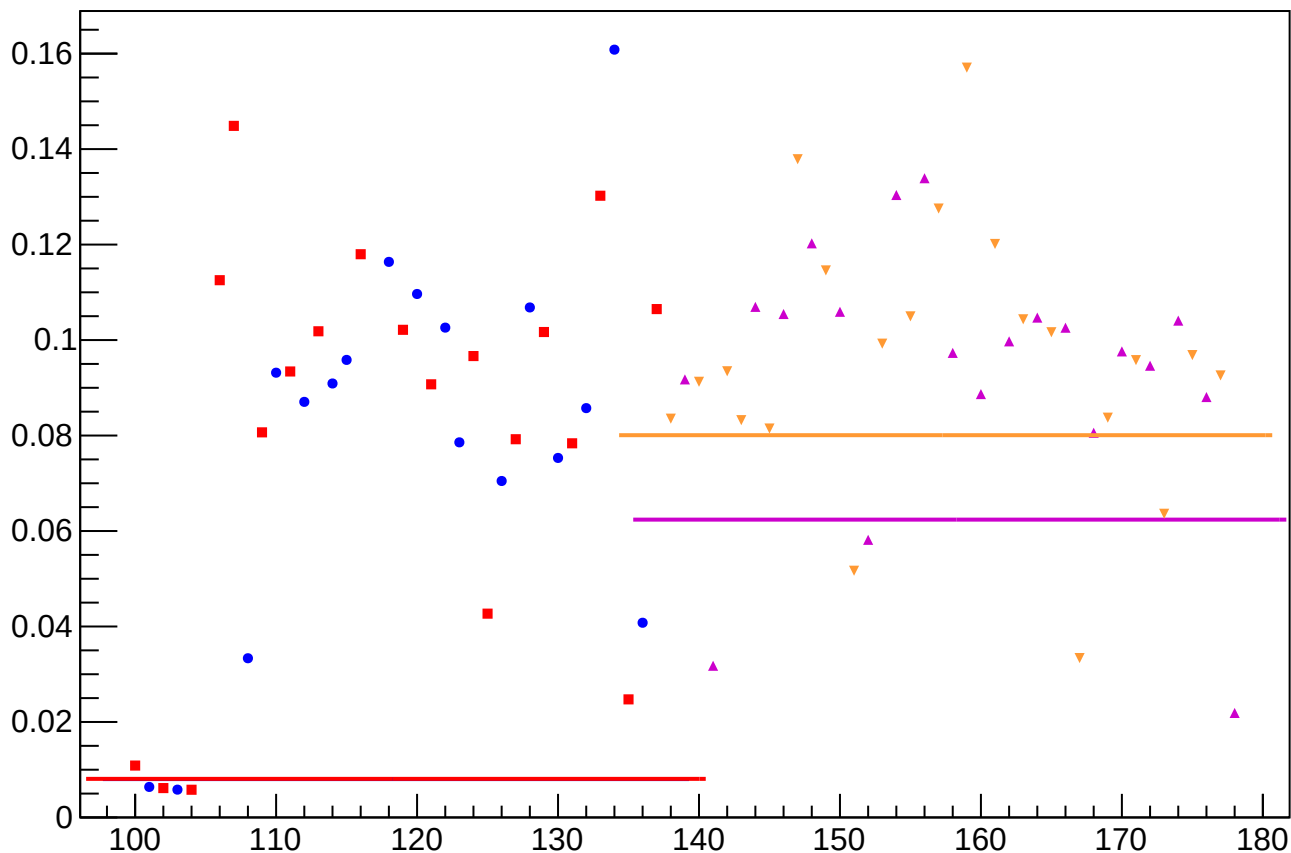
Left In: 0.216+/-0.000 χ^2/NDF : 3059397868.9/19

+ sign 3.083+/-0.000 χ^2/NDF : 20828320897.6/37

All: 3.061+/-0.000 χ^2/NDF : 47652022934.9/7

- 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: 0.080 $\pm$ 0.000 χ^2 /NDF:3140256.3/20

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

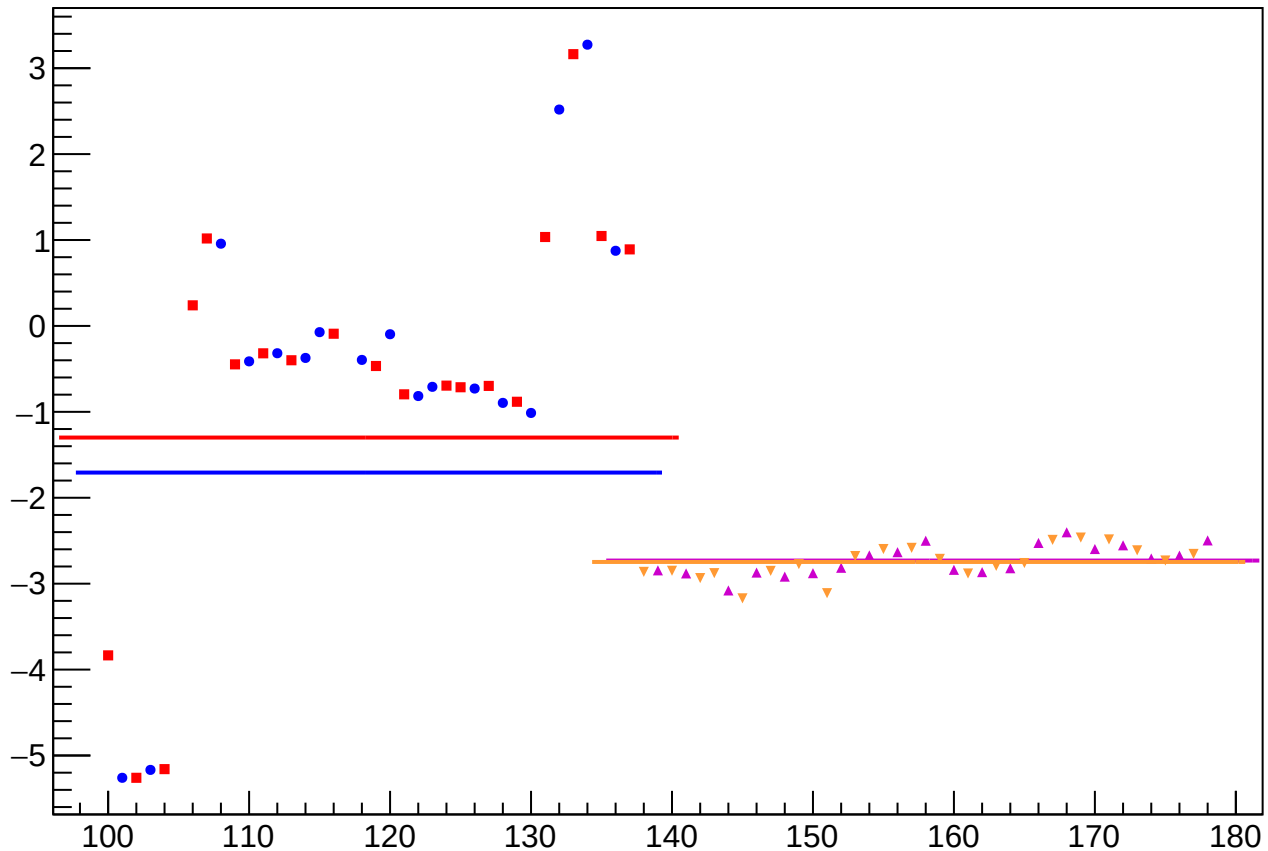
Left In: 0.062 $\pm$ 0.000 χ^2 /NDF:6589296.7/19

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 28883489.7/37

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 56557003.3/76

- 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: -2.747+/-0.000 χ^2/NDF : 8762493798.1/20

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

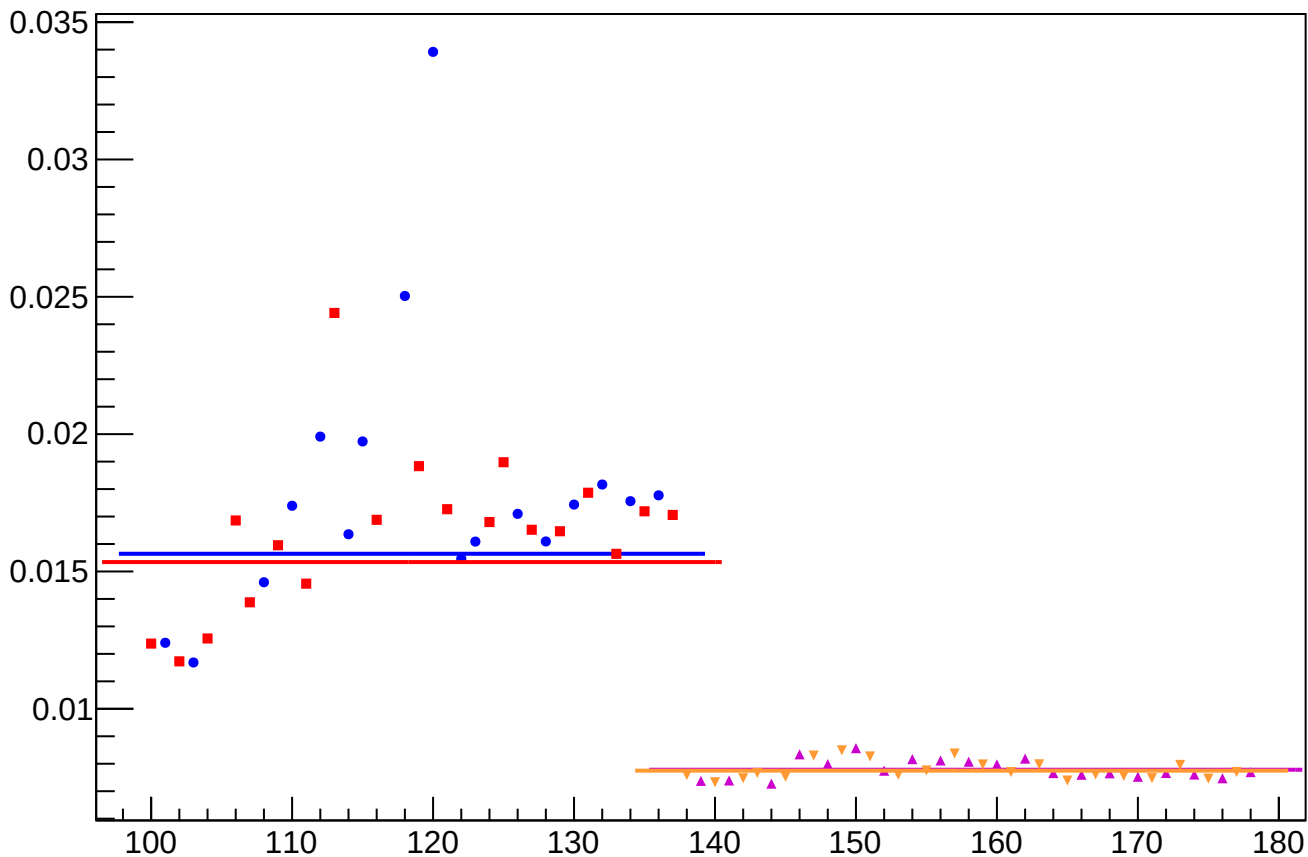
Left In: -2.731+/-0.000 χ^2/NDF : 7858484223.3/19

+ sign -2.661+/-0.000 χ^2/NDF : 197614439137.5/37

All: -2.627+/-0.000 χ^2/NDF : 432898176352.5

- sign -2.592+/-0.000 χ^2/NDF : 234643751305.7/38

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 578244.3/16

Left Out: 0.015+/-0.000 χ^2/NDF : 353806.7/18

Right Out: 0.016+/-0.000 χ^2/NDF : 578244.3/16

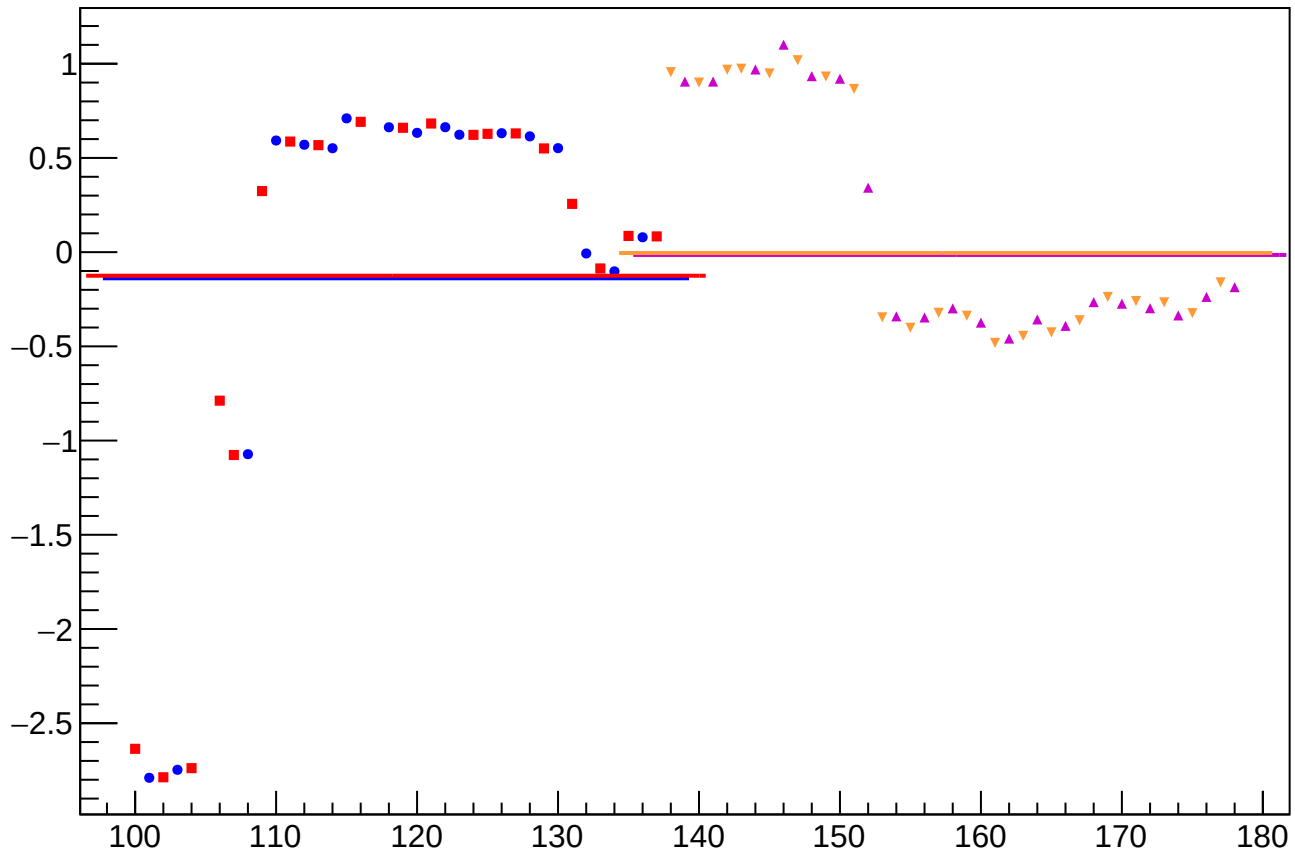
Left In: 0.008+/-0.000 χ^2/NDF : 58128.5/19

+ sign 0.008+/-0.000 χ^2/NDF : 3249512.4/37

All: 0.008+/-0.000 χ^2/NDF : 6383121.6/76

- sign 0.009+/-0.000 χ^2/NDF : 3130349.2/38

yield_bpm0l04Y_mean vs Slug



Right In: -0.139+/-0.000 χ^2/NDF : 715049983856.2/16

Left Out: -0.005+/-0.000 χ^2/NDF : 131574116622.0/20

Right Out: -0.125+/-0.000 χ^2/NDF : 761496762534.7/18

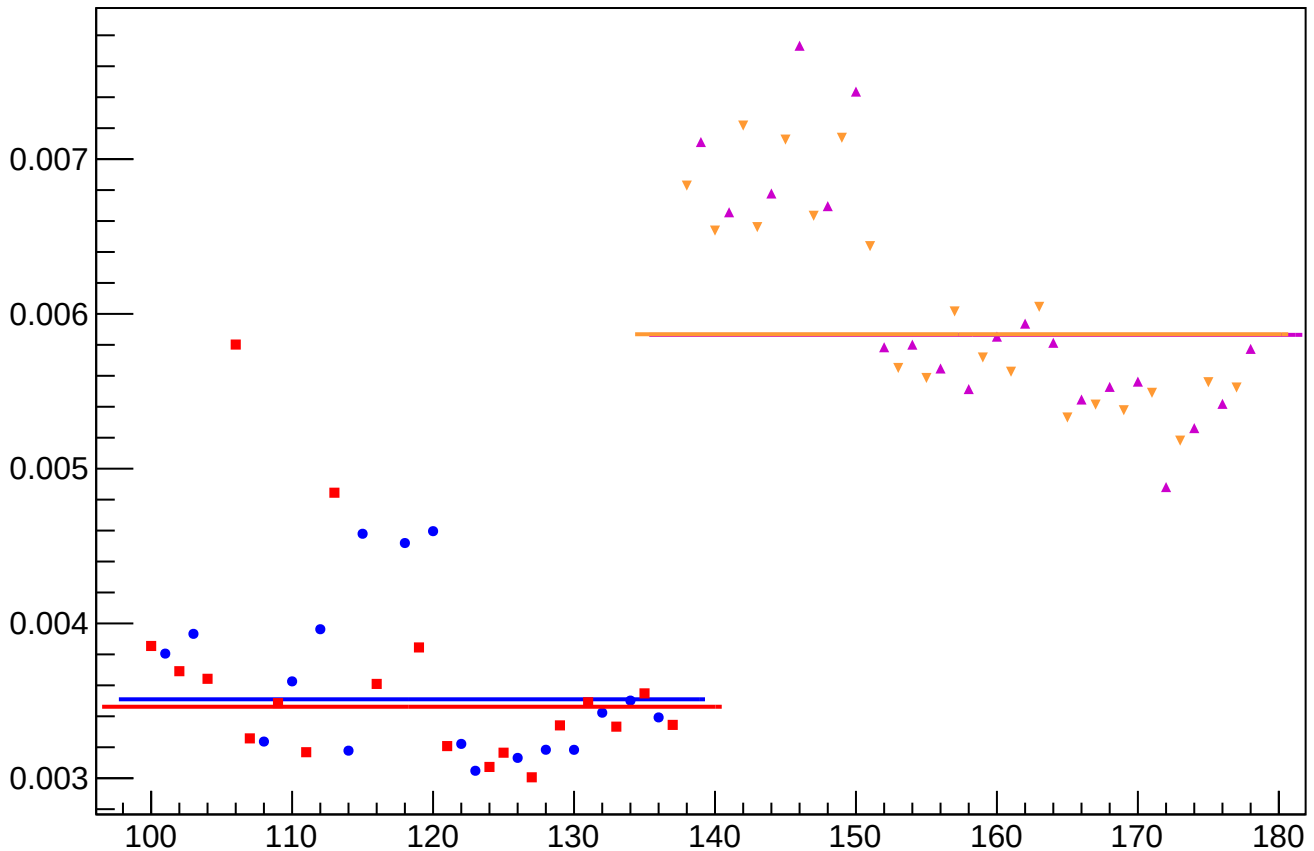
Left In: -0.015+/-0.000 χ^2/NDF : 112500288844.2/19

+ sign -0.078+/-0.000 χ^2/NDF : 850767873969.8/37

All: -0.078+/-0.000 χ^2/NDF : 1727658637031

- 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 : 281316.3/20

Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

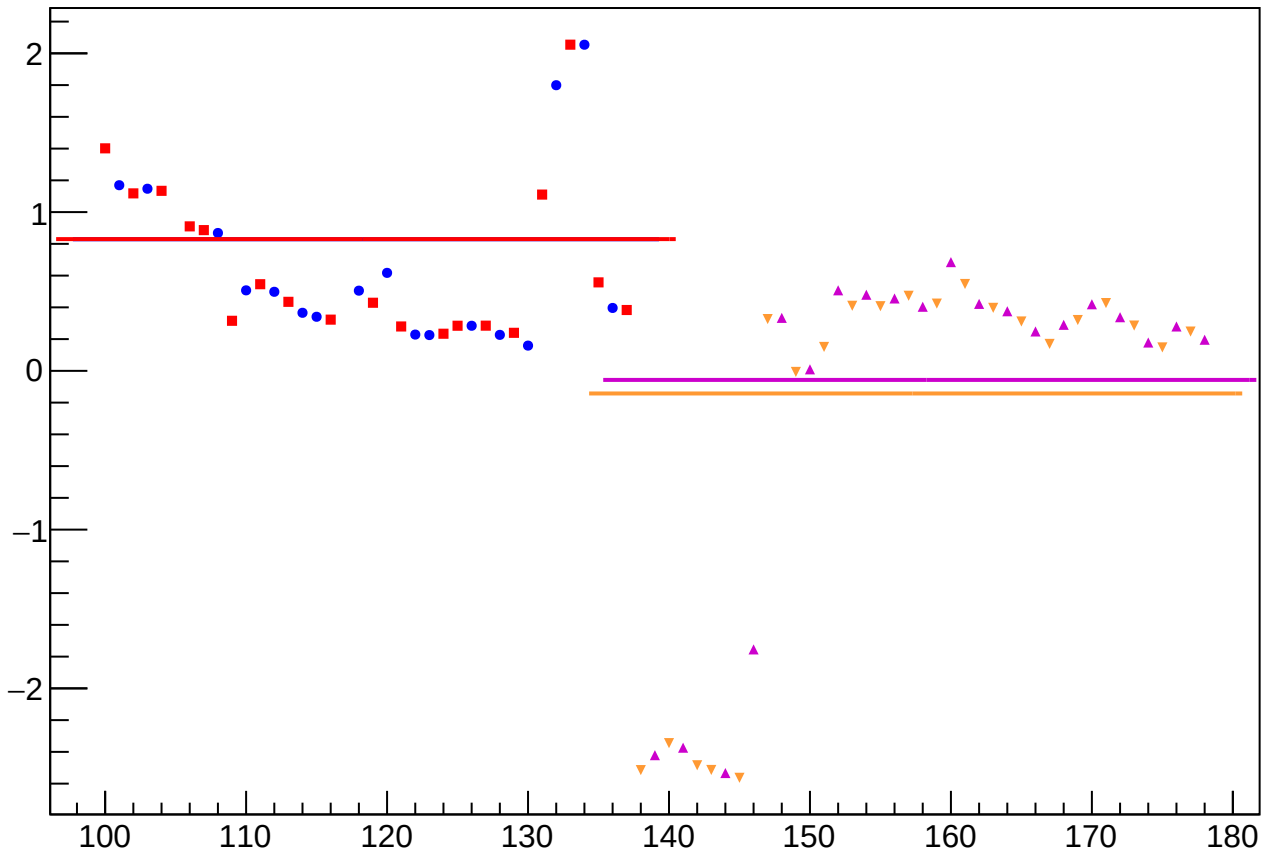
Left In: 0.006+/-0.000 χ^2/NDF : 362815.6/19

+ sign 0.005+/-0.000 χ^2/NDF : 3015020.1/37

All: 0.005+/-0.000 χ^2/NDF : 6349397.5/76

- 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: -0.142+/-0.000 χ^2/NDF : 482113050694.6/20

Right Out: 0.830+/-0.000 χ^2/NDF : 33335665437.8/18

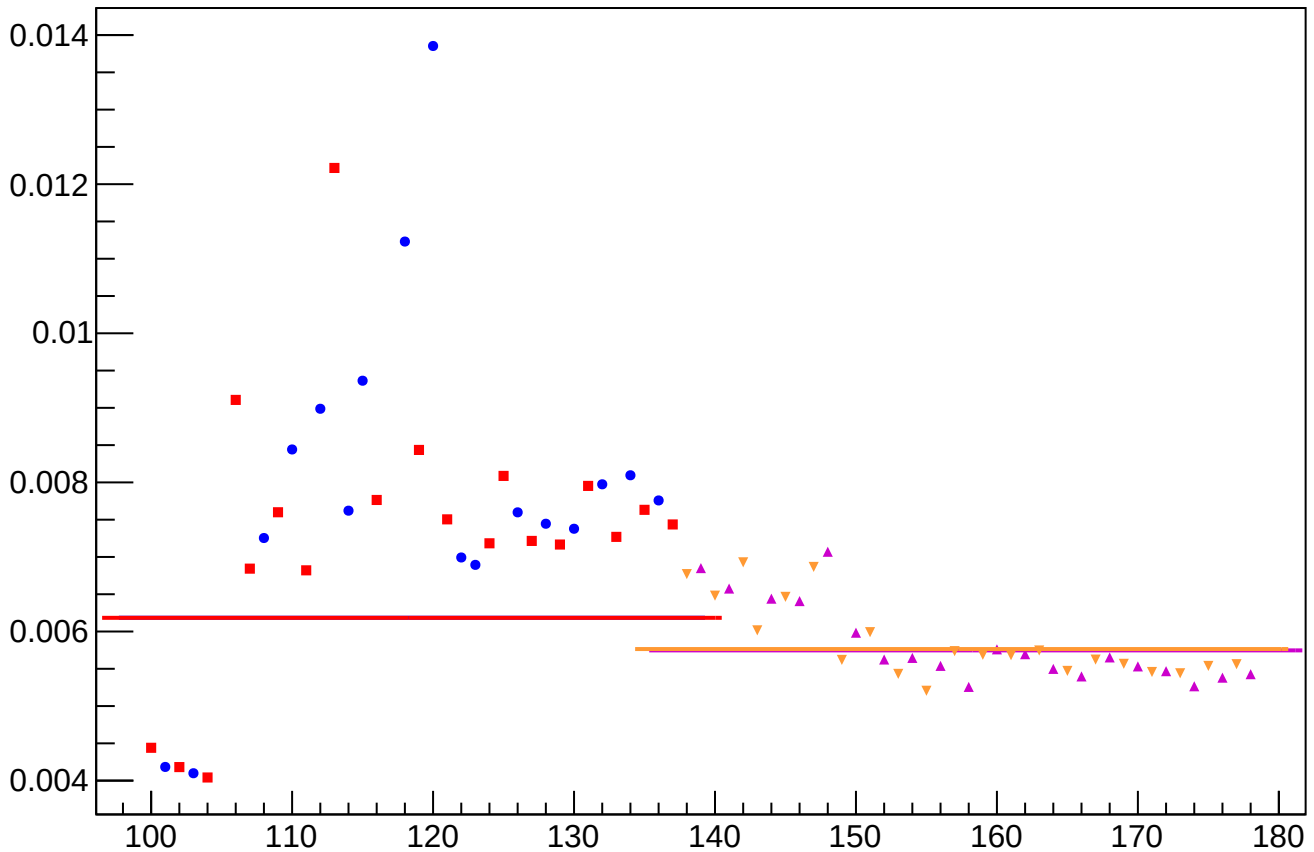
Left In: -0.057+/-0.000 χ^2/NDF : 411320066311.7/19

+ sign 0.090+/-0.000 χ^2/NDF : 613638938217.5/37

All: 0.131+/-0.000 χ^2/NDF : 1148994712058.

- sign 0.171+/-0.000 χ^2/NDF : 533414708159.3/38

yield_bpm0l05X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1228962.4/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:171209.6/20

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1026836.0/18

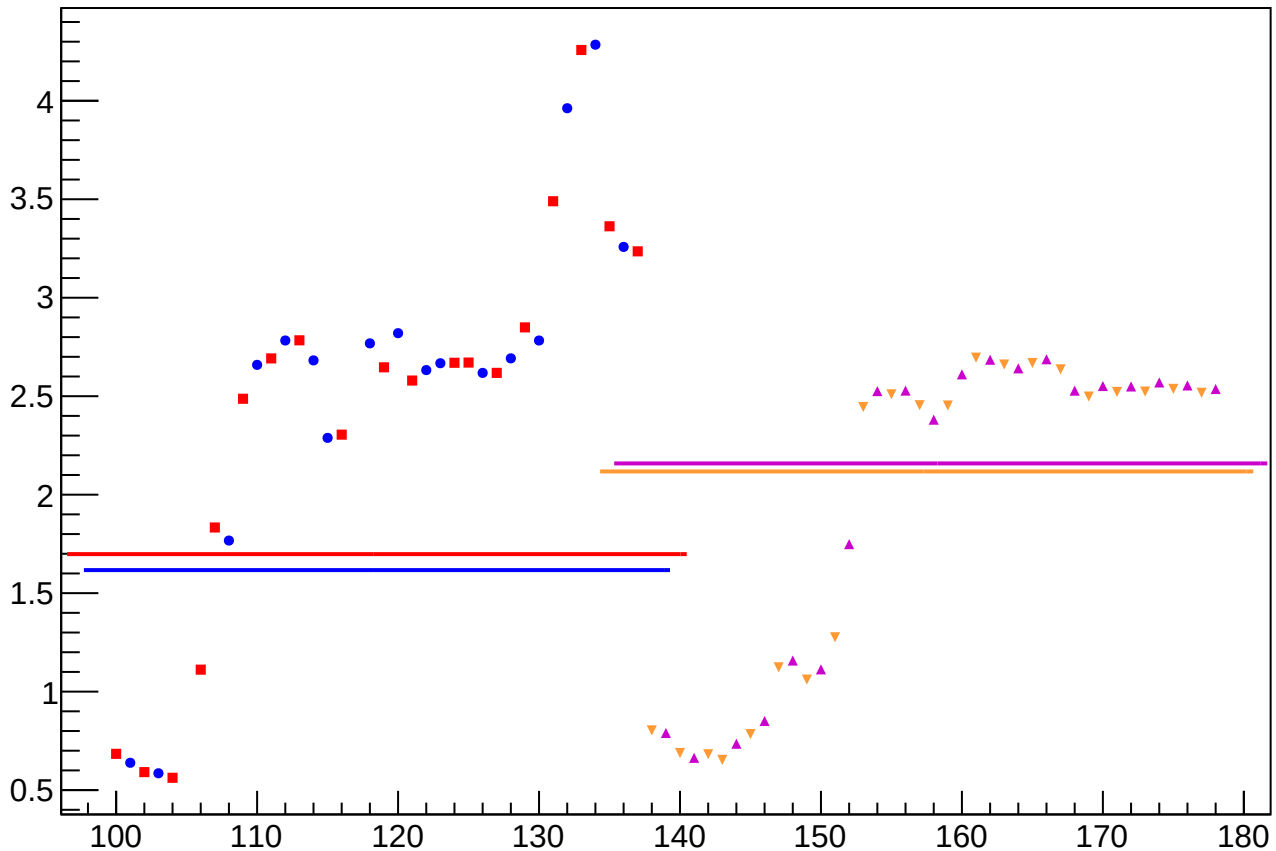
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:200978.8/19

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1437493.6/37

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 2708370.6/76

- sign 0.006 $\pm$ 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: 2.118+/-0.000 χ^2/NDF : 277463980888.8/20

Right Out: 1.698+/-0.000 χ^2/NDF : 227408345801.7/18

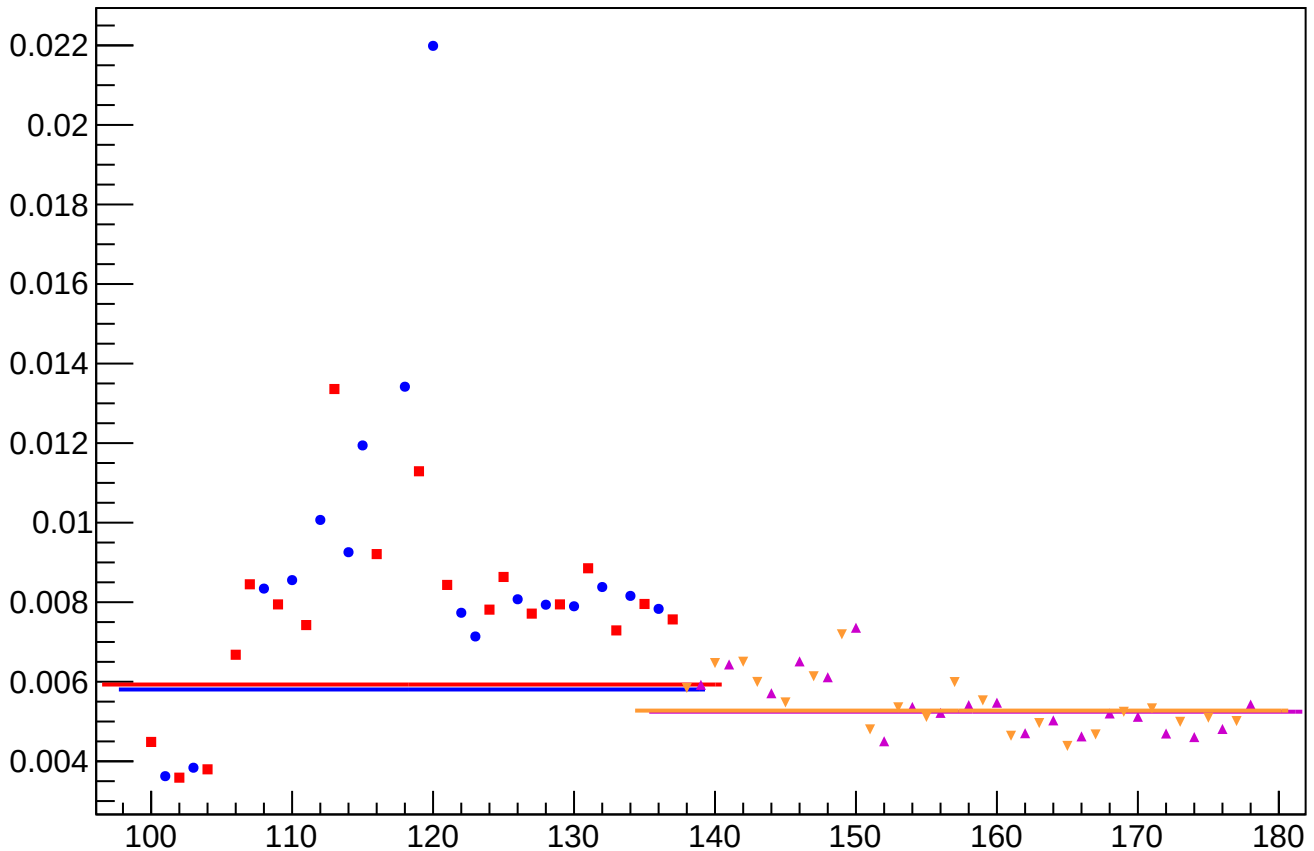
Left In: 2.159+/-0.000 χ^2/NDF : 245723179883.4/19

+ sign 2.008+/-0.000 χ^2/NDF : 508385836738.2/37

All: 2.030+/-0.000 χ^2/NDF : 1007043262658.

- 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 : 374501.1/20

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

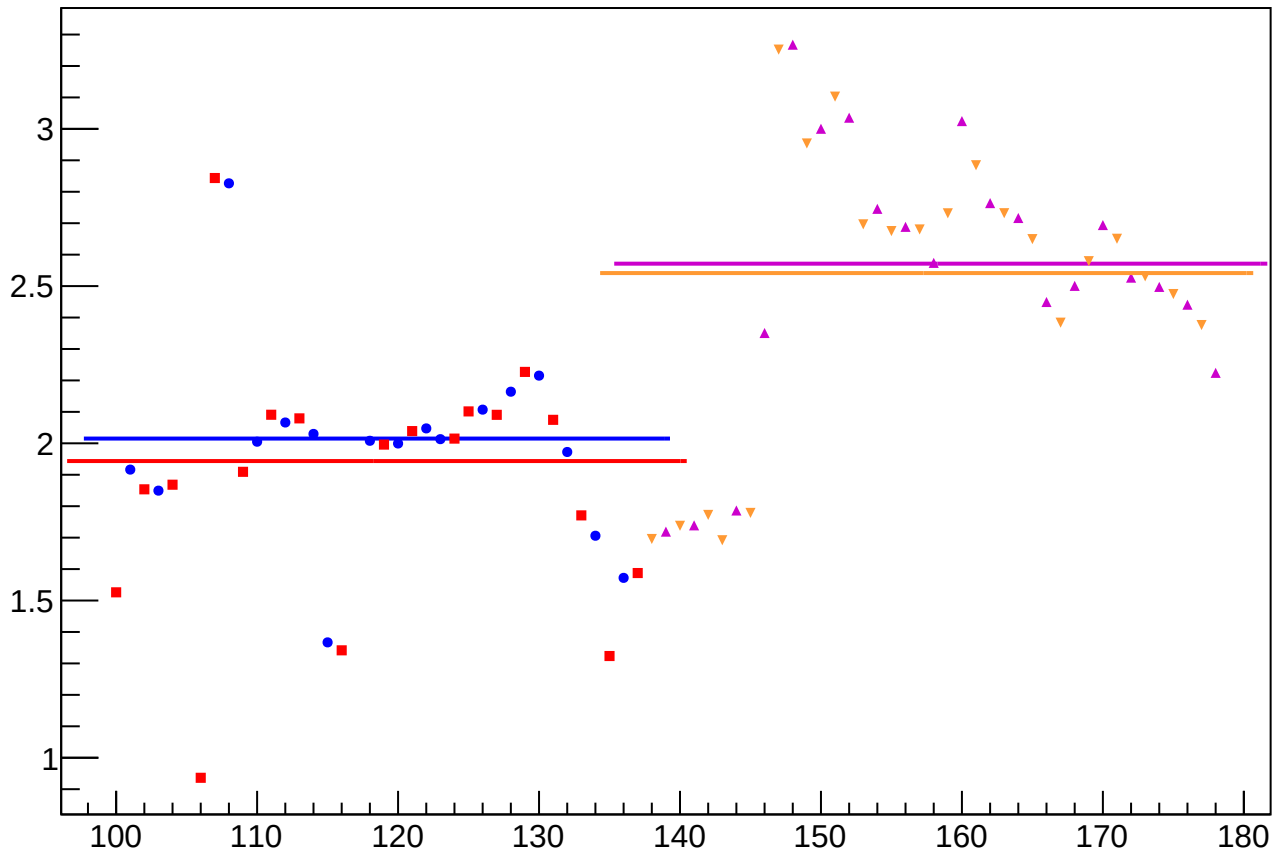
Left In: 0.005+/-0.000 χ^2/NDF : 417933.8/19

+ sign 0.005+/-0.000 χ^2/NDF : 2355455.3/37

All: 0.005+/-0.000 χ^2/NDF : 4568570.5/76

- 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: 2.541+/-0.000 χ^2/NDF : 49273317202.3/20

Right Out: 1.944+/-0.000 χ^2/NDF : 21427099579.0/18

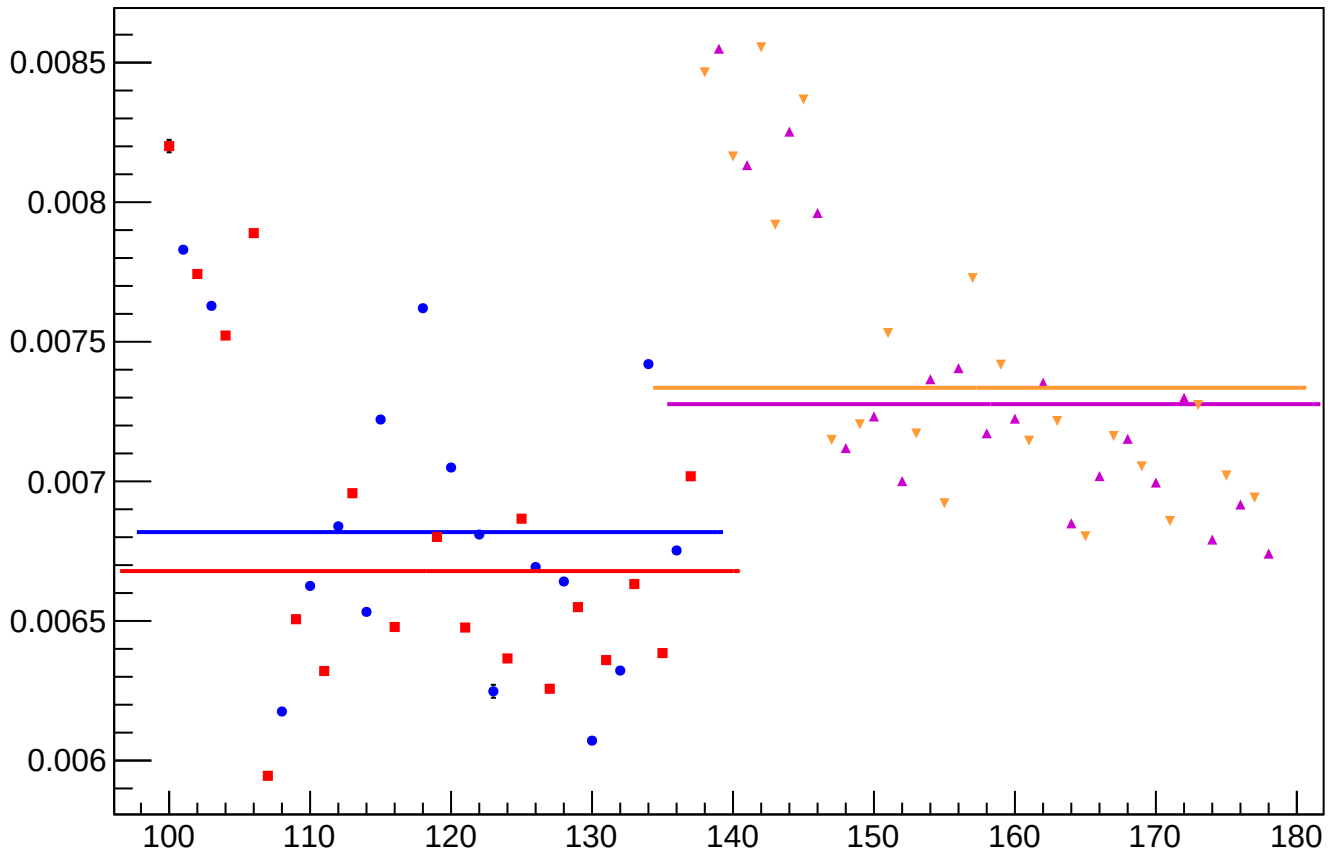
Left In: 2.571+/-0.000 χ^2/NDF : 44006151519.5/19

+ sign 2.368+/-0.000 χ^2/NDF : 86914489921.8/37

All: 2.359+/-0.000 χ^2/NDF : 191218711999.1

- sign 2.350+/-0.000 χ^2/NDF : 104234553528.9/38

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 75813.9/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:124754.9/20

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 75718.4/18

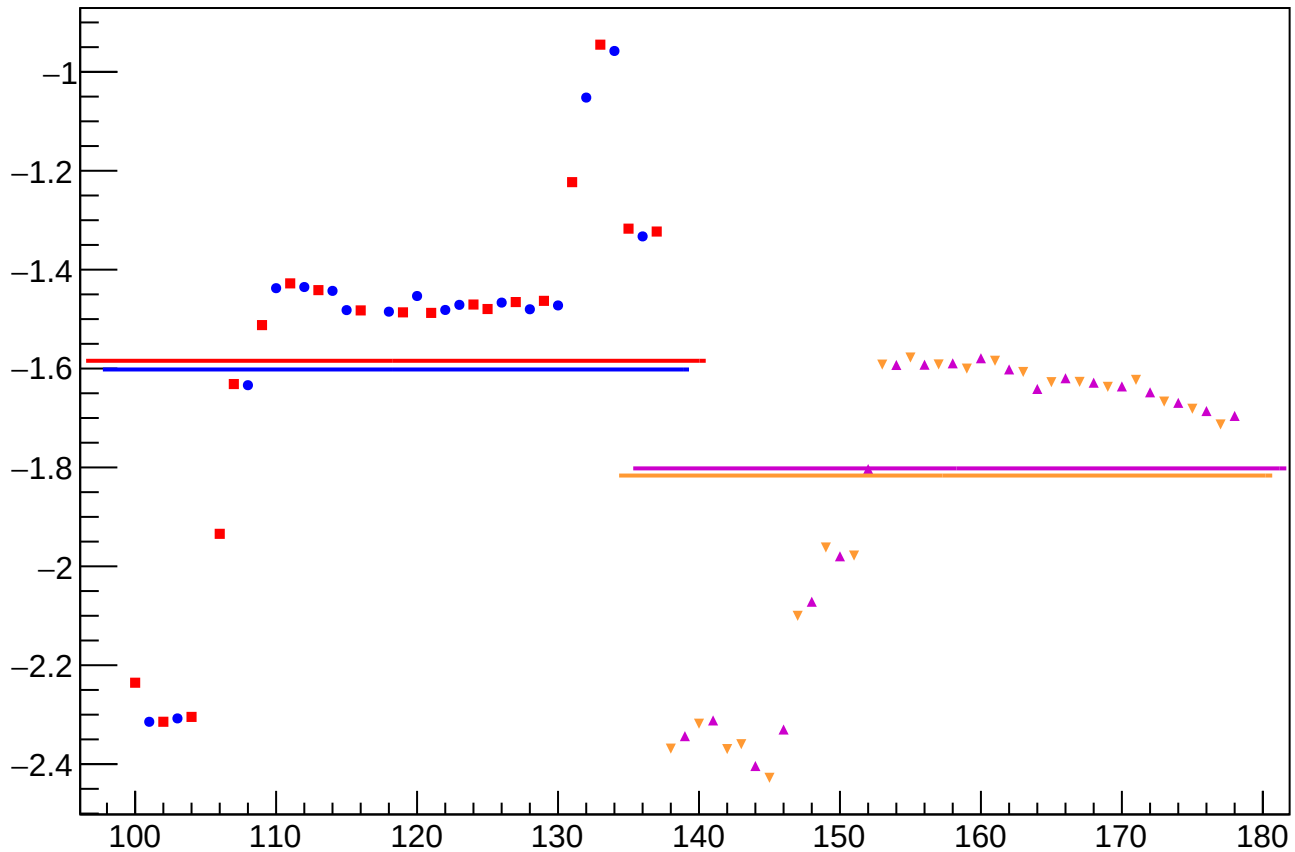
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:115569.5/19

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 249604.1/37

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 515476.0/76

- sign 0.007 $\pm$ 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: -1.816+/-0.000 χ^2/NDF : 175965432182.6/20

Right Out: -1.584+/-0.000 χ^2/NDF : 143578606614.3/18

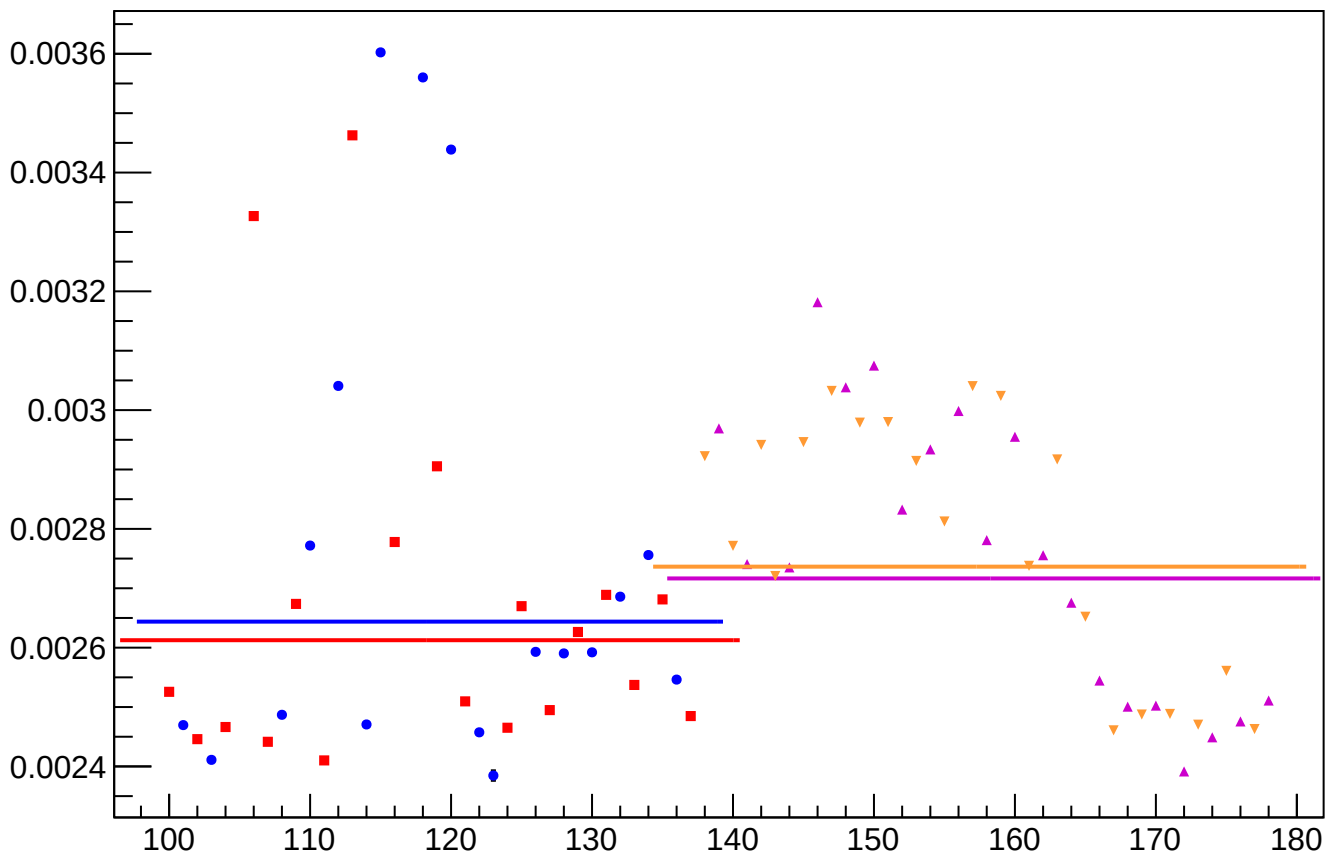
Left In: -1.802+/-0.000 χ^2/NDF : 157240285727.9/19

+ sign -1.750+/-0.000 χ^2/NDF : 344675861543.3/37

All: -1.740+/-0.000 χ^2/NDF : 677150799032.9

- 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 : 185561.4/20

Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

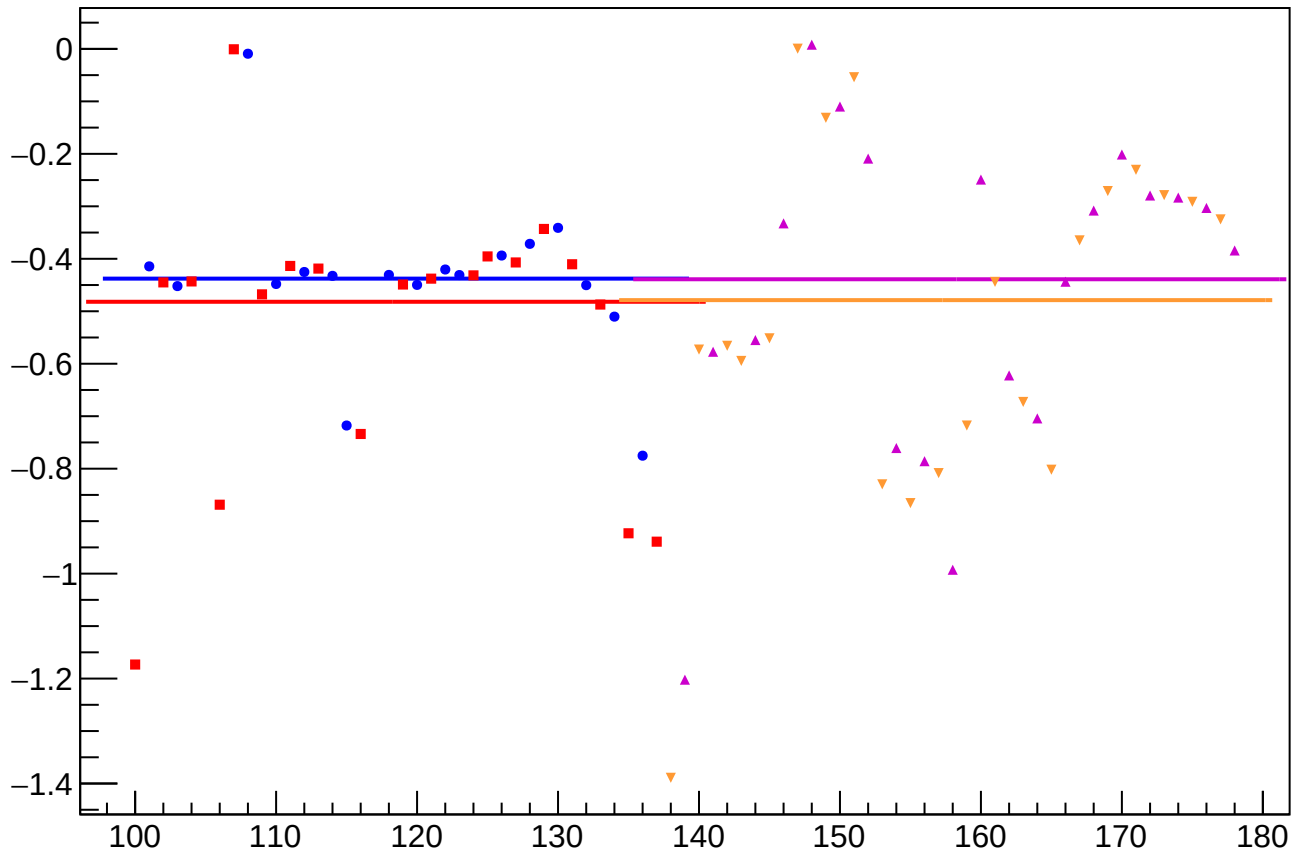
Left In: 0.003+/-0.000 χ^2/NDF : 210791.5/19

+ sign 0.003+/-0.000 χ^2/NDF : 347565.3/37

All: 0.003+/-0.000 χ^2/NDF : 679739.9/76

- 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: -0.479+/-0.000 χ^2 /NDF: 9604143565.4/20

Right Out: -0.482+/-0.000 χ^2 /NDF: 2694625740.7/18

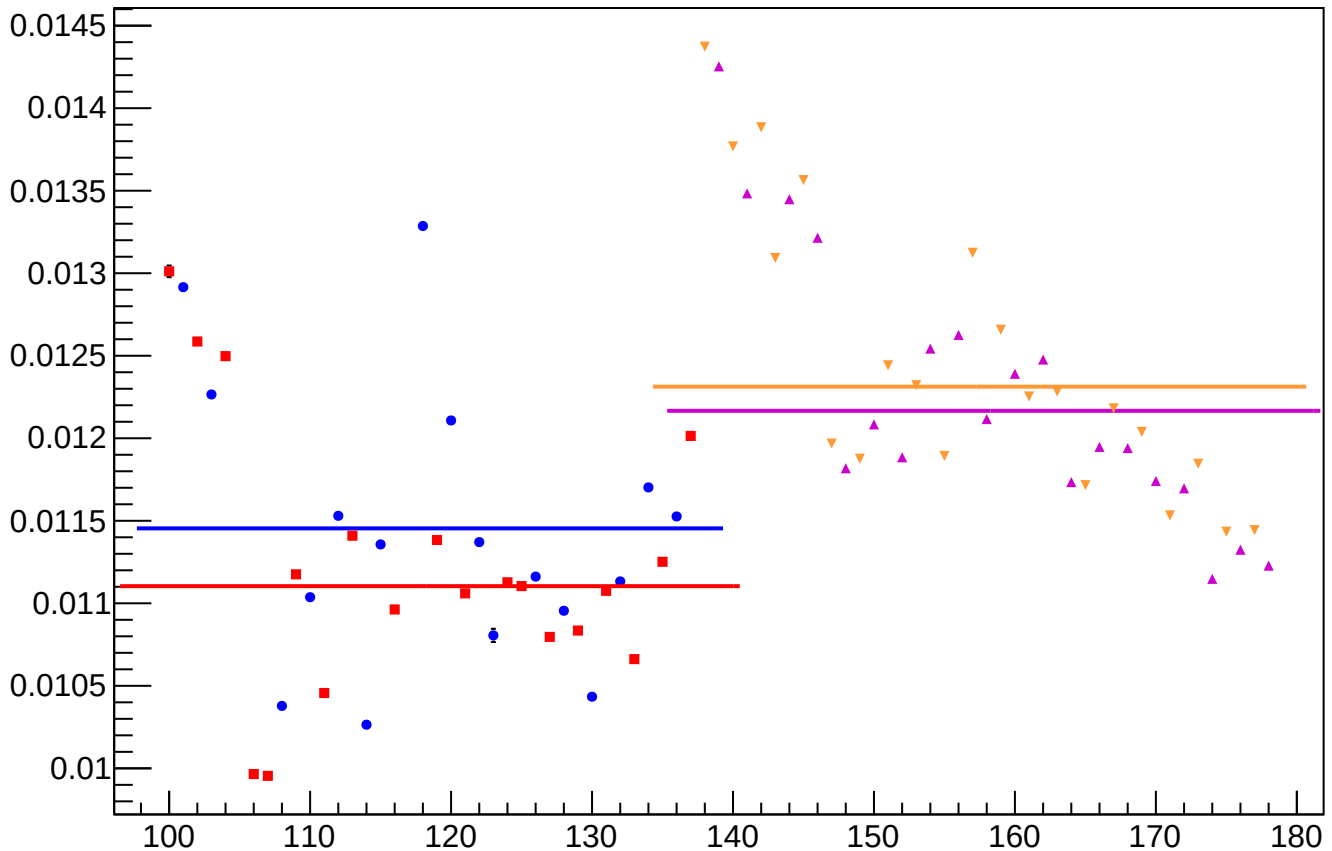
Left In: -0.439+/-0.000 χ^2 /NDF: 8281185415.0/19

+ sign -0.465+/-0.000 χ^2 /NDF: 11122008615.3/37

All: -0.460+/-0.000 χ^2 /NDF: 22172737164.0/37

- 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 :114540.3/20

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

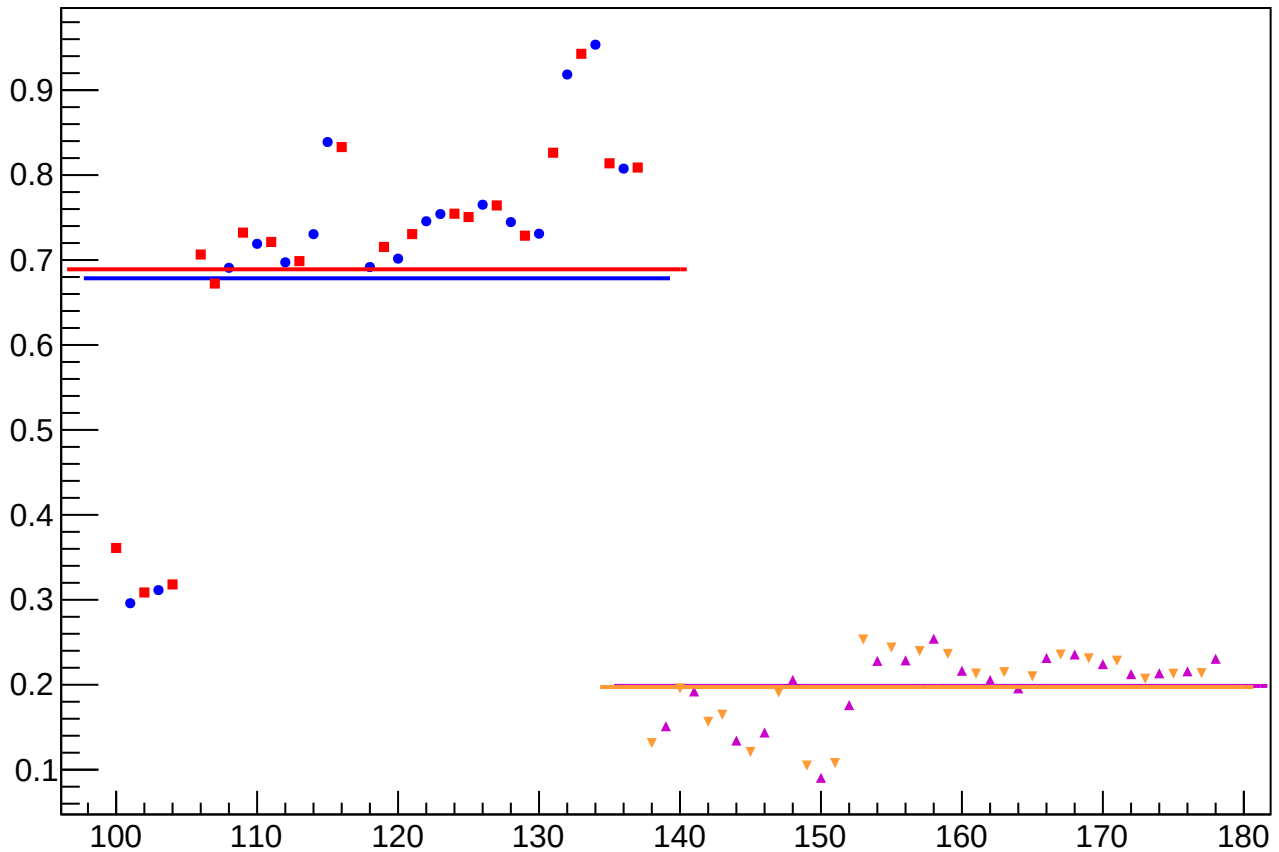
Left In: 0.012+/-0.000 χ^2/NDF :112242.8/19

+ sign 0.012+/-0.000 χ^2/NDF : 227827.0/37

All: 0.012+/-0.000 χ^2/NDF : 486436.8/76

- 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: 0.197 $\pm$ 0.000 χ^2 /NDF: 6644898587.1/20

Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

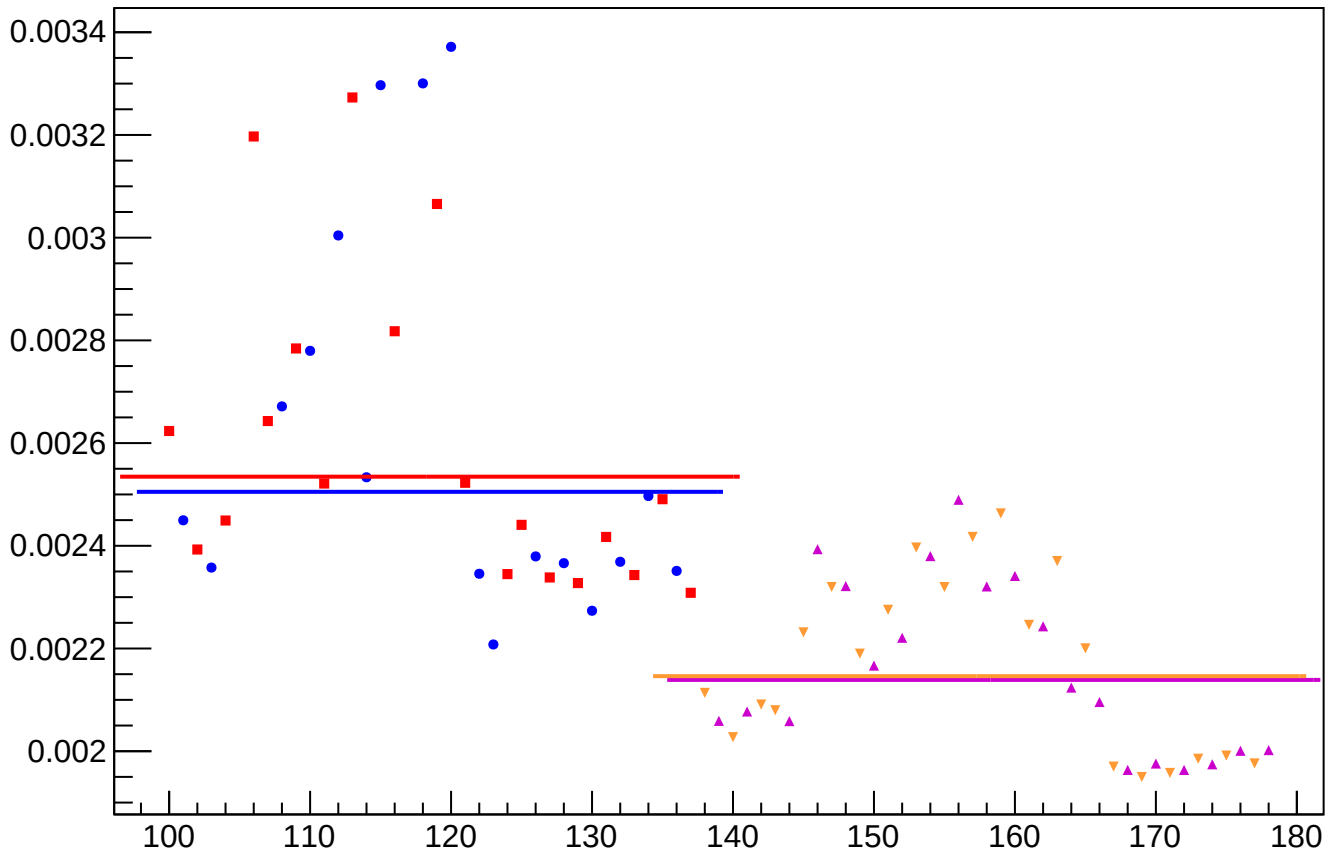
Left In: 0.199 $\pm$ 0.000 χ^2 /NDF: 5509430573.4/19

+ sign 0.309 $\pm$ 0.000 χ^2 /NDF: 225870318823.4/37

All: 0.312 $\pm$ 0.000 χ^2 /NDF: 457883402565.8

- 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 :187444.9/20

Right Out: 0.003+/-0.000 χ^2/NDF : 131609.0/18

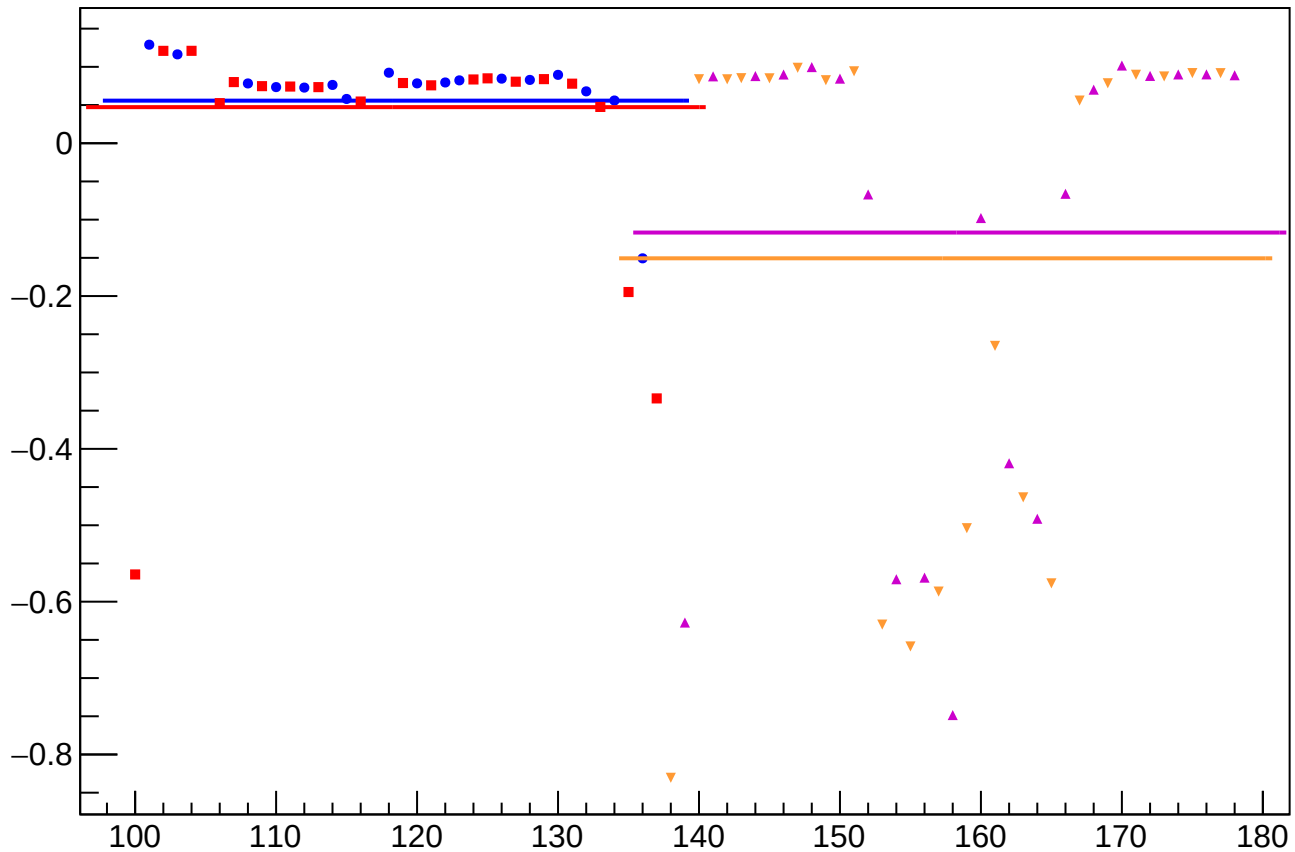
Left In: 0.002+/-0.000 χ^2/NDF :169725.6/19

+ sign 0.002+/-0.000 χ^2/NDF : 564082.2/37

All: 0.002+/-0.000 χ^2/NDF : 1114263.9/76

- sign 0.002+/-0.000 χ^2/NDF : 550106.2/38

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.151+/-0.000 χ^2/NDF : 12574428752.4/20

Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

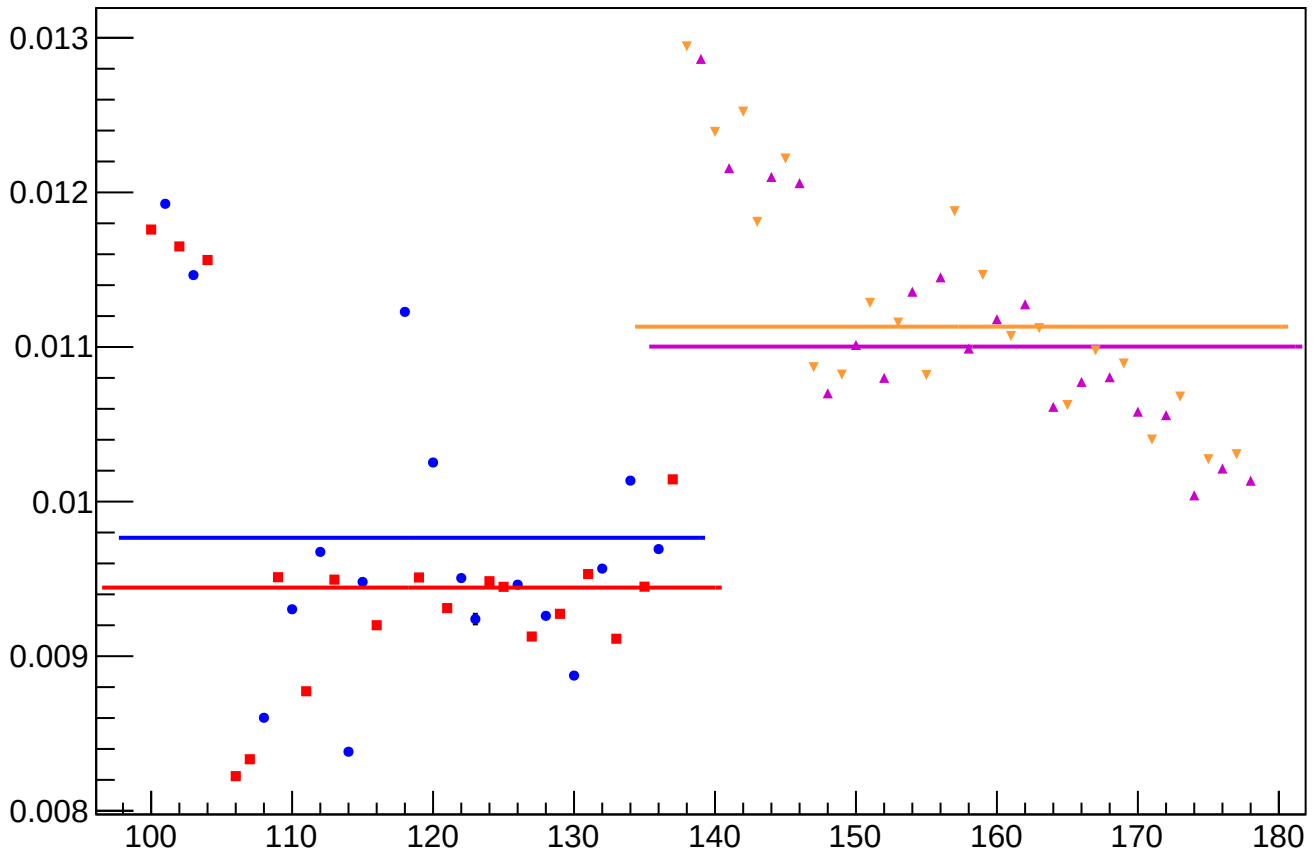
Left In: -0.117+/-0.000 χ^2/NDF : 10454505821.3/19

+ sign -0.077+/-0.000 χ^2/NDF : 14846039036.4/37

All: -0.065+/-0.000 χ^2/NDF : 27451190709.8/37

- sign -0.053+/-0.000 χ^2/NDF : 12550135646.9/38

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 116638.3/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:112537.8/20

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 110693.8/18

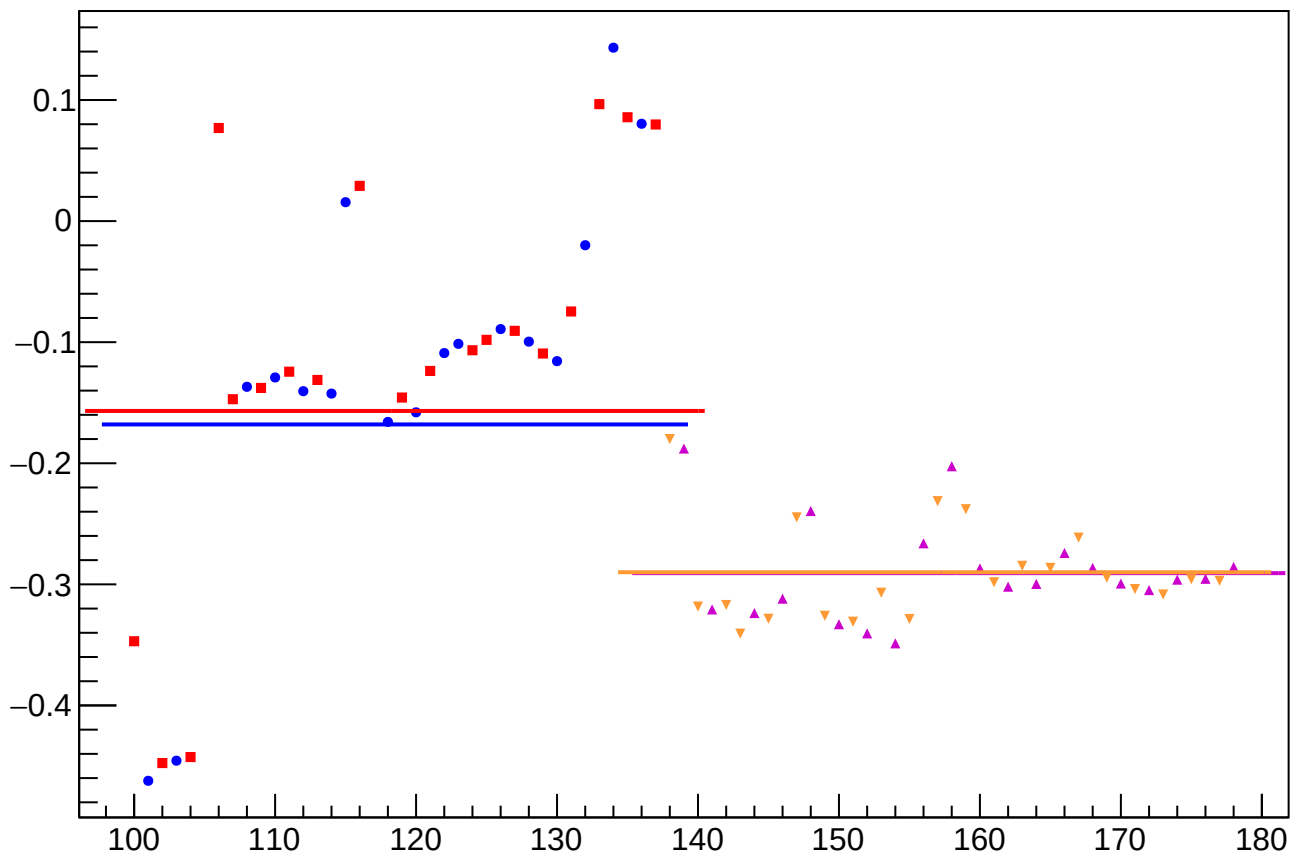
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:114254.8/19

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 391086.2/37

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 858051.6/76

- sign 0.010 $\pm$ 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 : 2856539265.8/20

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

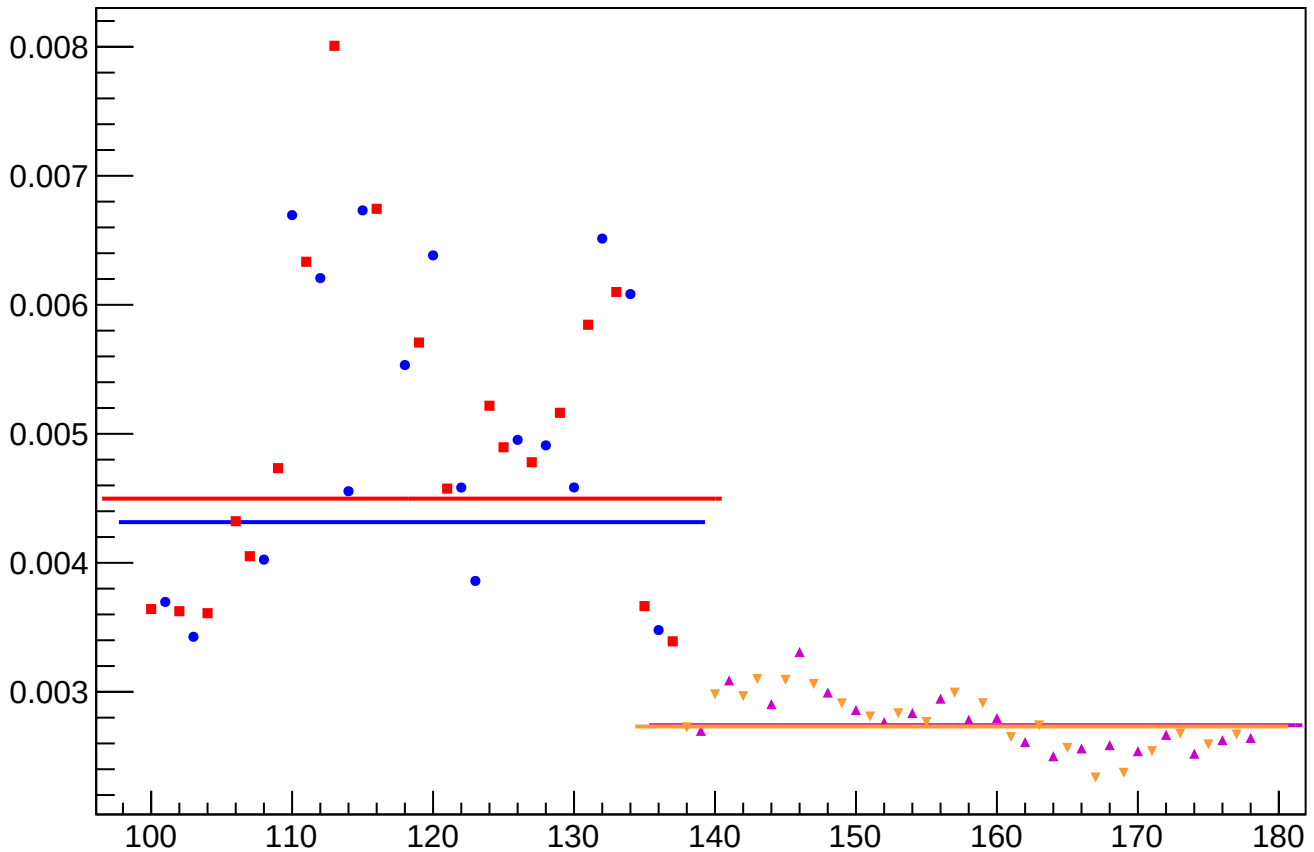
Left In: -0.291+/-0.000 χ^2/NDF : 3122889674.2/19

+ sign -0.274+/-0.000 χ^2/NDF : 19214875348.4/37

All: -0.273+/-0.000 χ^2/NDF : 38136044514.8/37

- 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 :196533.2/20

Right Out: 0.004+/-0.000 χ^2/NDF : 649708.4/18

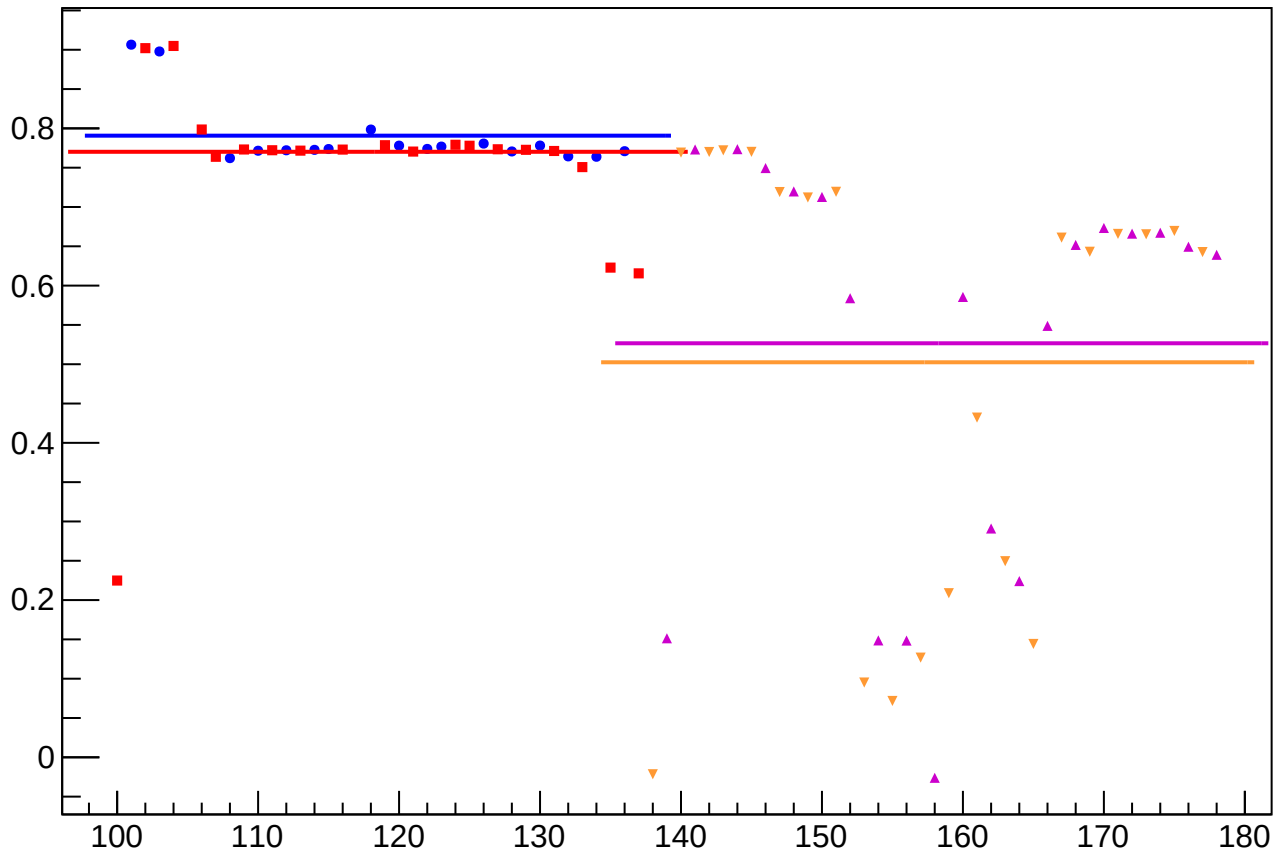
Left In: 0.003+/-0.000 χ^2/NDF :142935.4/19

+ sign 0.003+/-0.000 χ^2/NDF : 2172069.6/37

All: 0.003+/-0.000 χ^2/NDF : 4607927.7/76

- 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: 0.502 $\pm$ 0.000 χ^2 /NDF: 9217928554.3/20

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375442189.7/18

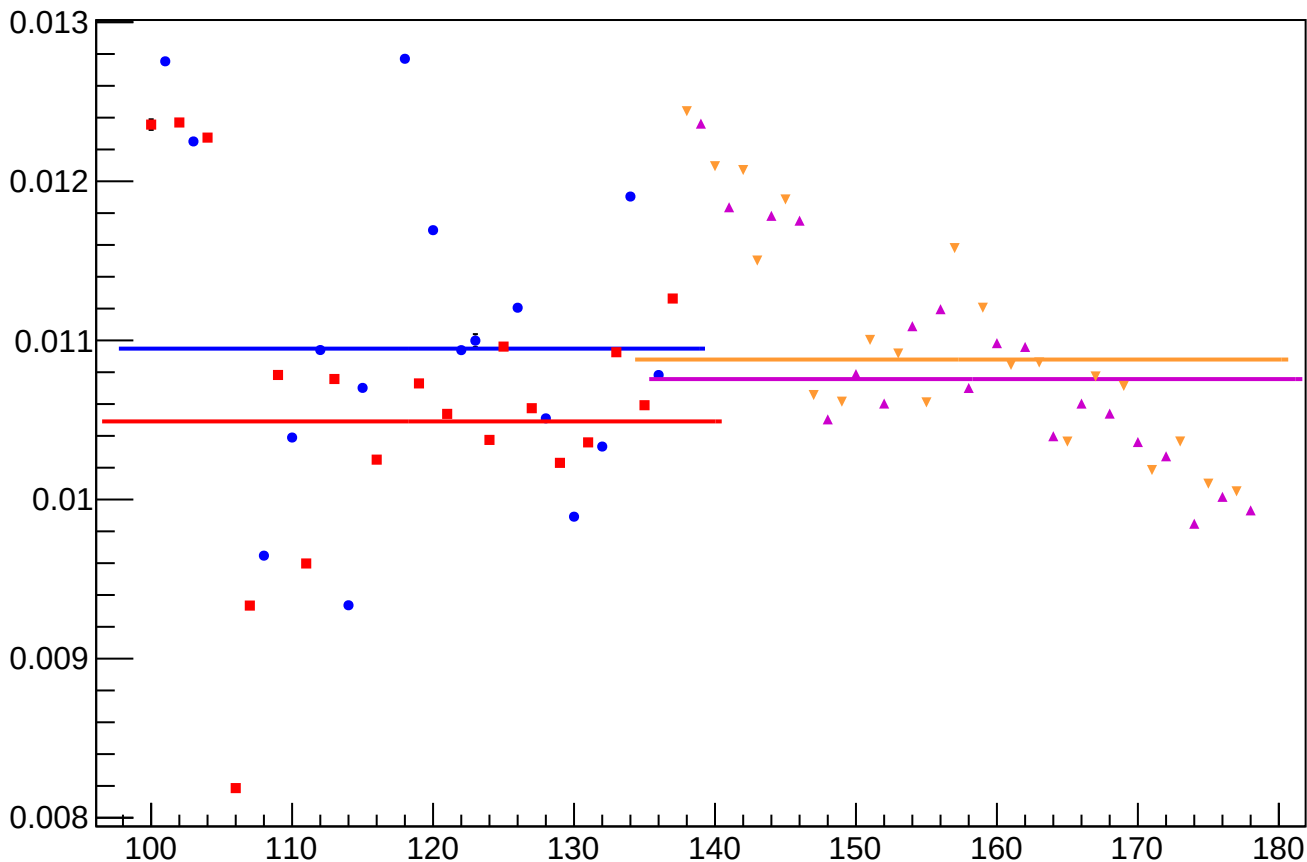
Left In: 0.527 $\pm$ 0.000 χ^2 /NDF: 7680599958.3/19

+ sign 0.588 $\pm$ 0.000 χ^2 /NDF: 12471163375.1/37

All: 0.597 $\pm$ 0.000 χ^2 /NDF: 23059634438.6/7

- sign 0.607 $\pm$ 0.000 χ^2 /NDF: 10555251390.2/38

yield_bpm0l09X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 98551.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:101935.6/20

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 119420.8/18

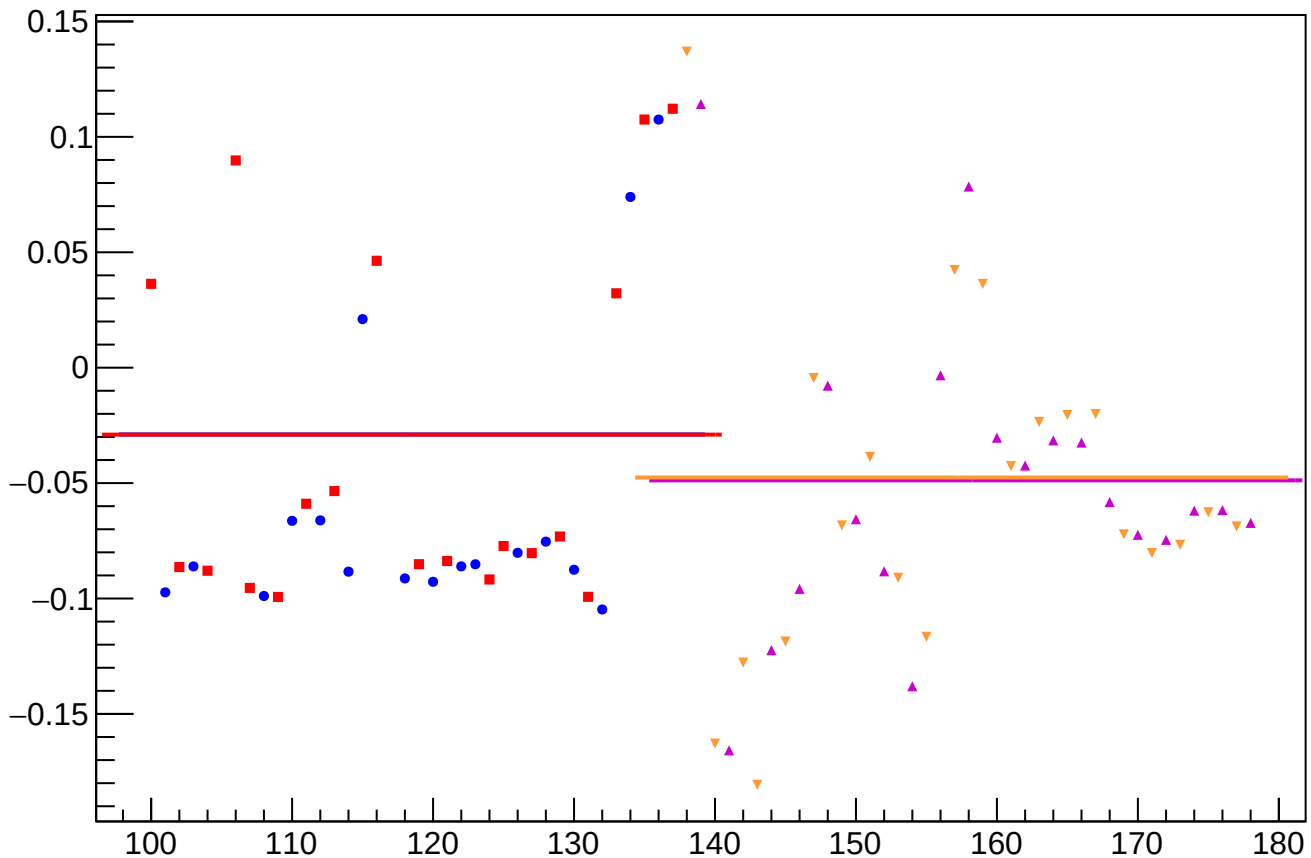
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:103650.9/19

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 200843.1/37

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 439774.3/76

- sign 0.011 $\pm$ 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: -0.048+/-0.000 χ^2/NDF : 7128550482.2/20

Right Out: -0.029+/-0.000 χ^2/NDF : 2113349669.8/18

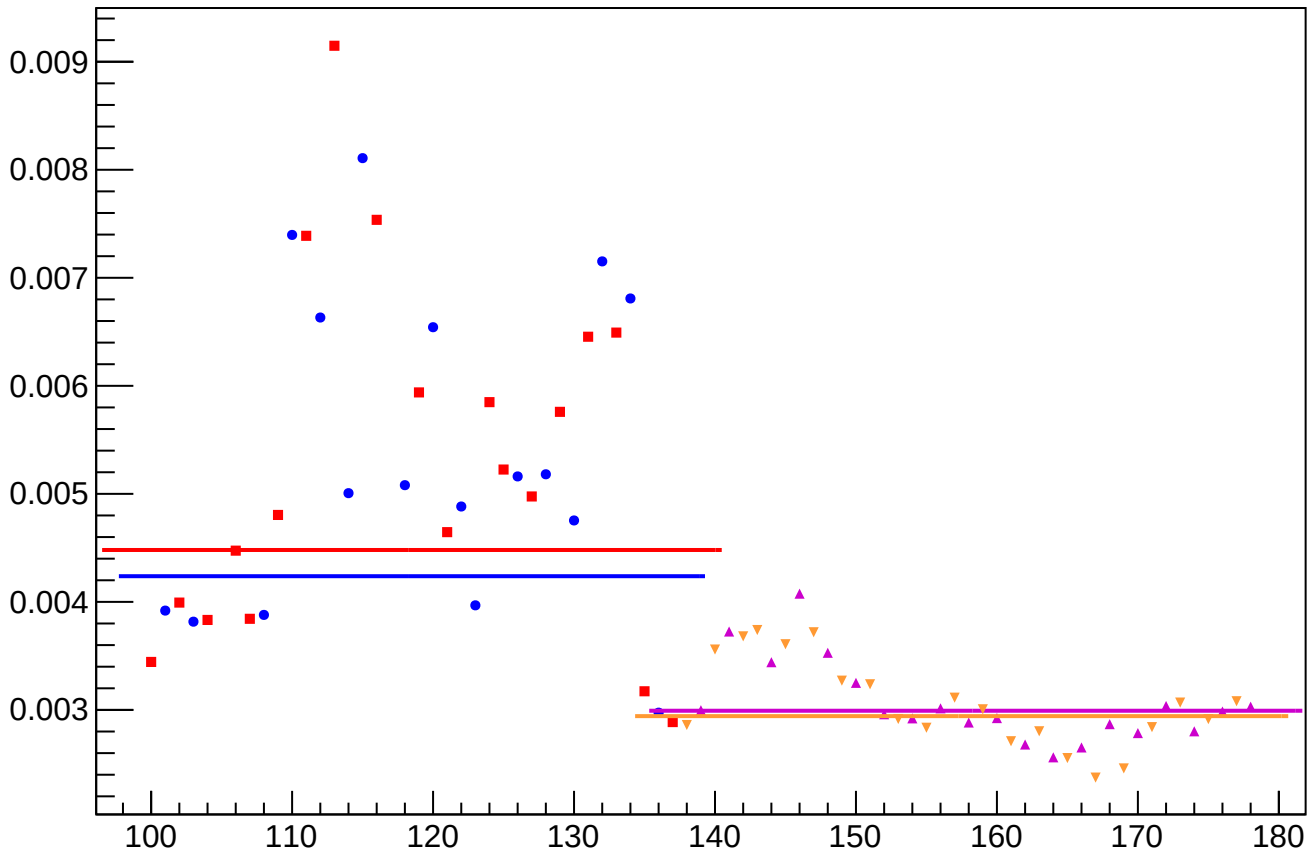
Left In: -0.049+/-0.000 χ^2/NDF : 6077040638.1/19

+ sign -0.045+/-0.000 χ^2/NDF : 9664192643.6/37

All: -0.045+/-0.000 χ^2/NDF : 17952322274.2/38

- sign -0.046+/-0.000 χ^2/NDF : 8287102435.8/38

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 881584.1/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 467246.1/20

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 984186.1/18

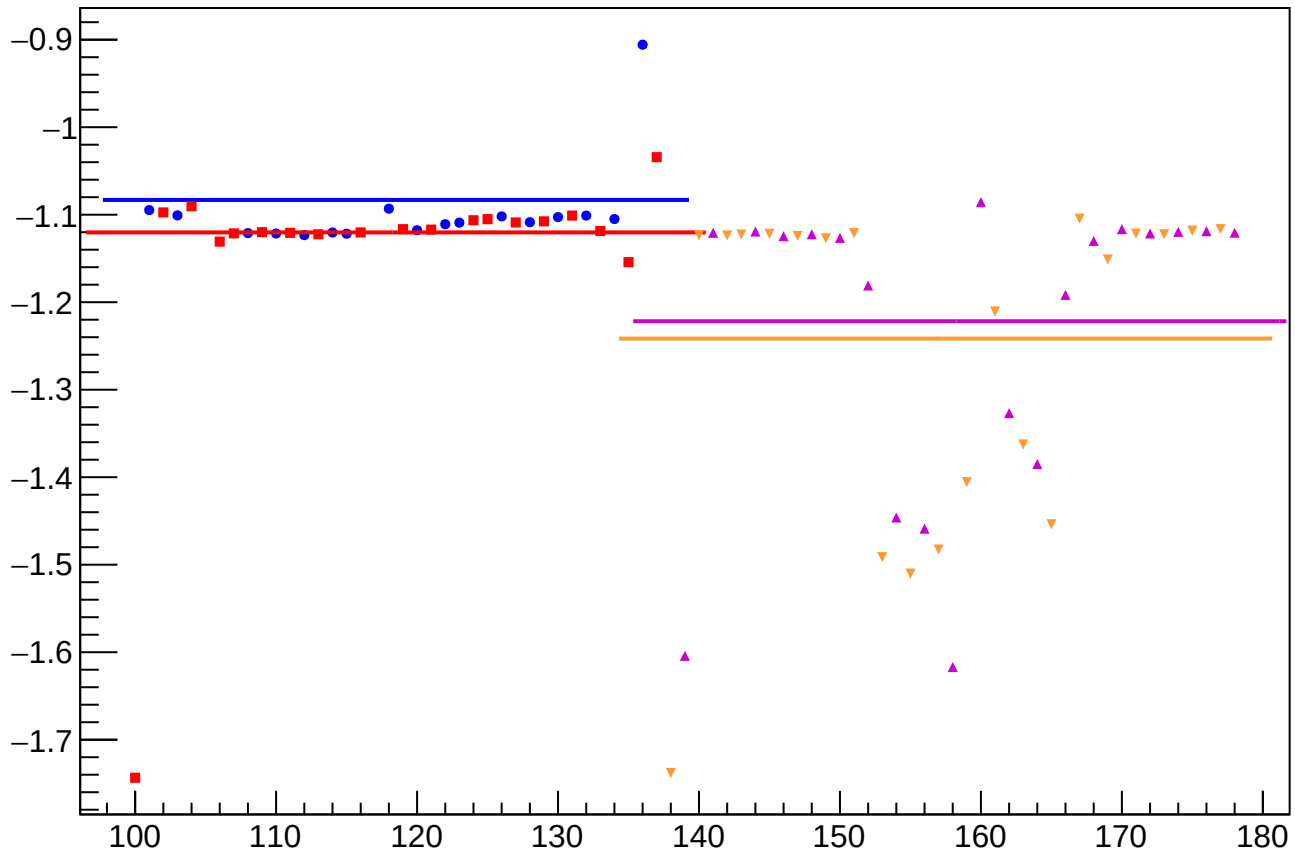
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 316314.1/19

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2215256.3/37

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4619816.1/76

- sign 0.003 $\pm$ 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: -1.242+/-0.000 χ^2 /NDF: 4906885260.3/20

Right Out: -1.120+/-0.000 χ^2 /NDF: 220571280.7/18

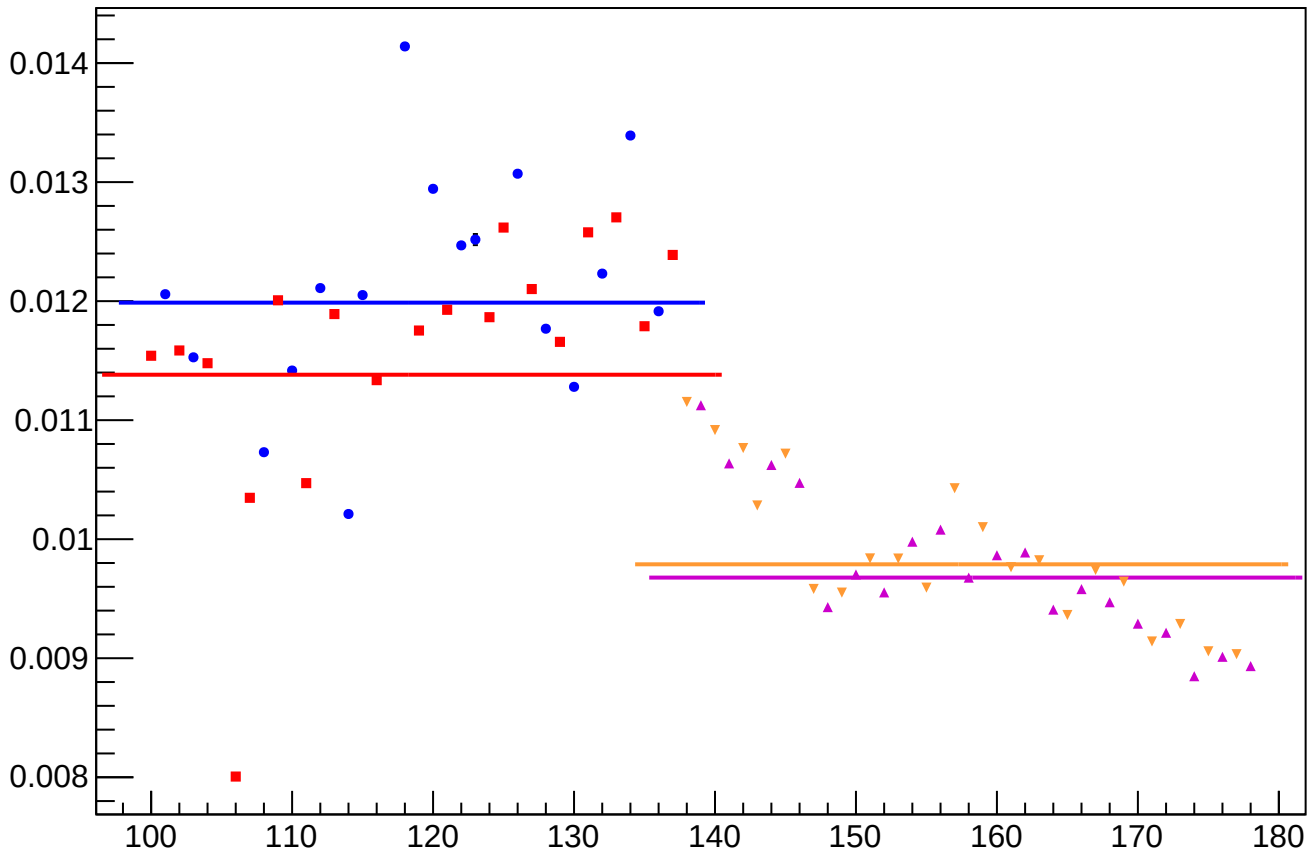
Left In: -1.222+/-0.000 χ^2 /NDF: 4310147110.9/19

+ sign -1.207+/-0.000 χ^2 /NDF: 5986661090.4/37

All: -1.201+/-0.000 χ^2 /NDF: 10937374559.2/37

- sign -1.196+/-0.000 χ^2 /NDF: 4939804962.3/38

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 60402.0/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:102649.3/20

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

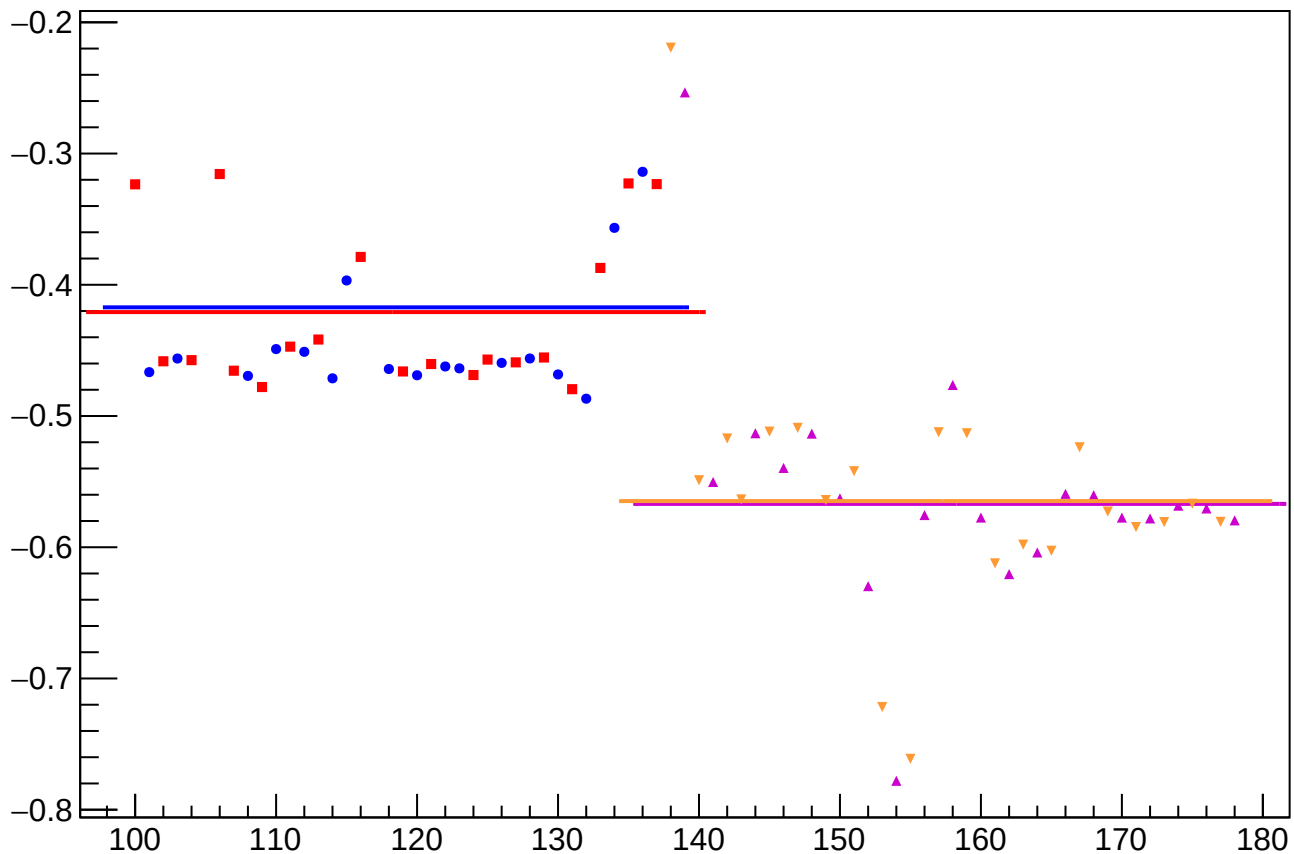
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:103459.0/19

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 500842.5/37

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 995446.5/76

- sign 0.010 $\pm$ 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: -0.565+/-0.000 χ^2 /NDF:13329606118.4/20

Right Out: -0.421+/-0.000 χ^2 /NDF: 1646463410.7/18

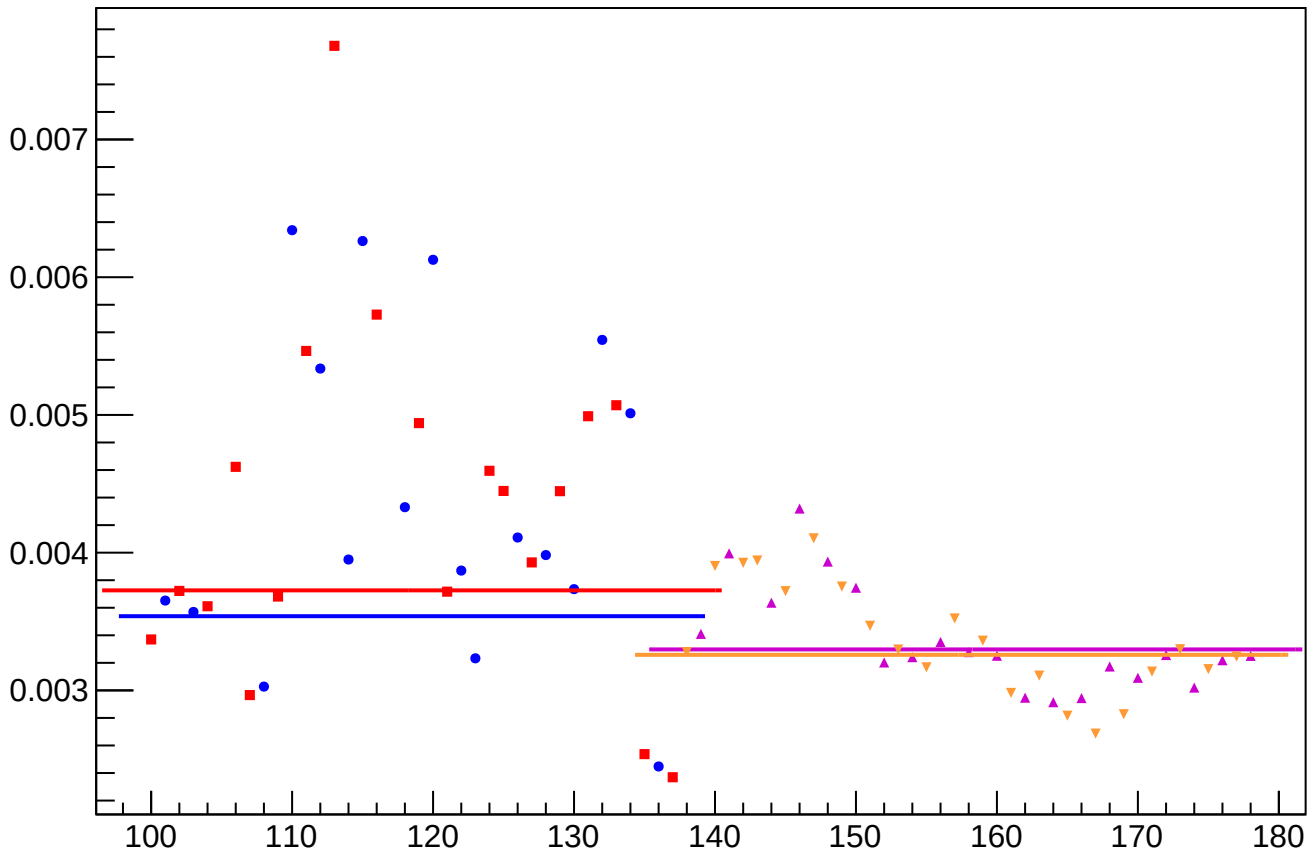
Left In: -0.567+/-0.000 χ^2 /NDF:10445096109.1/19

+ sign -0.530+/-0.000 χ^2 /NDF: 22577500714.8/37

All: -0.531+/-0.000 χ^2 /NDF: 41508194817.7/

- 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:374563.8/20

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 898447.6/18

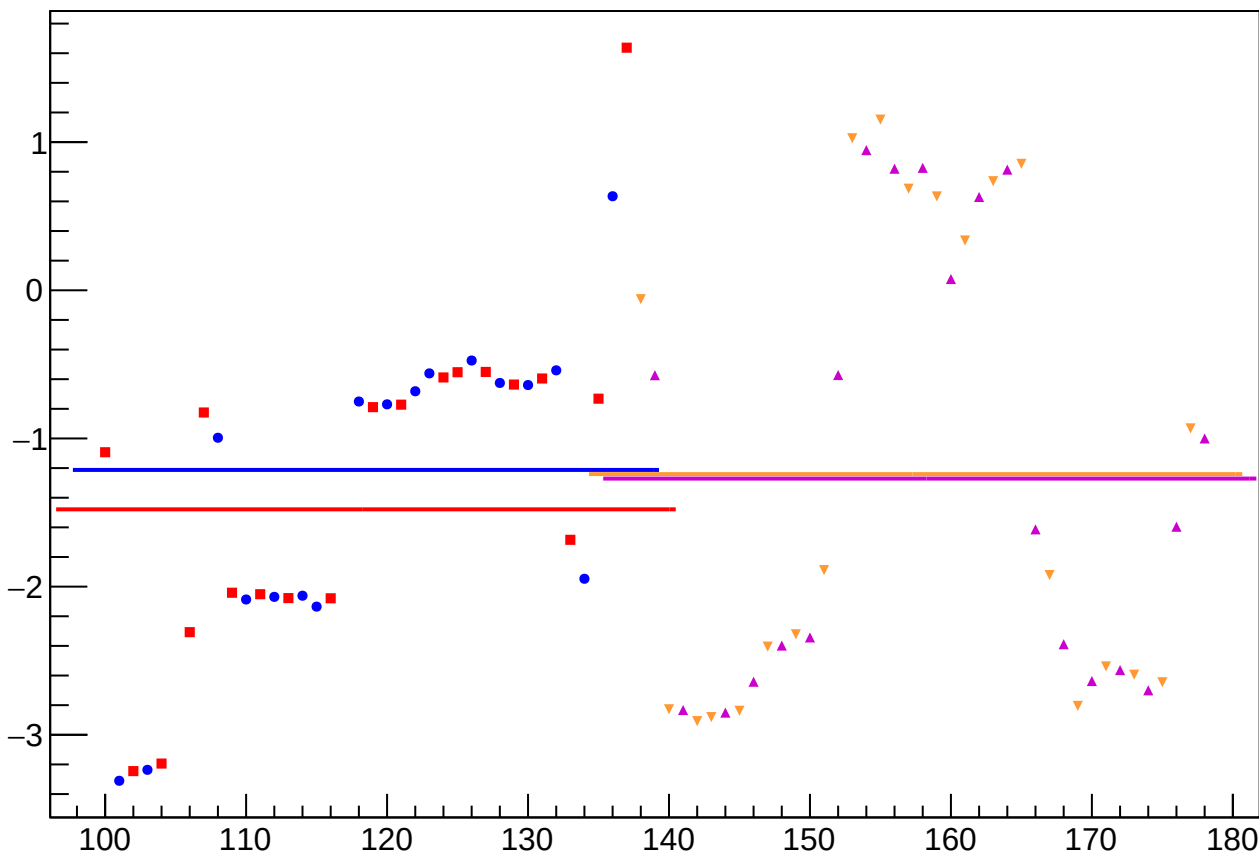
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:277527.9/19

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1262767.1/37

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2566641.5/76

- 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: -1.241+/-0.000 χ^2 /NDF: 6726296782.8/20

Right Out: -1.478+/-0.000 χ^2 /NDF: 1578264383.8/18

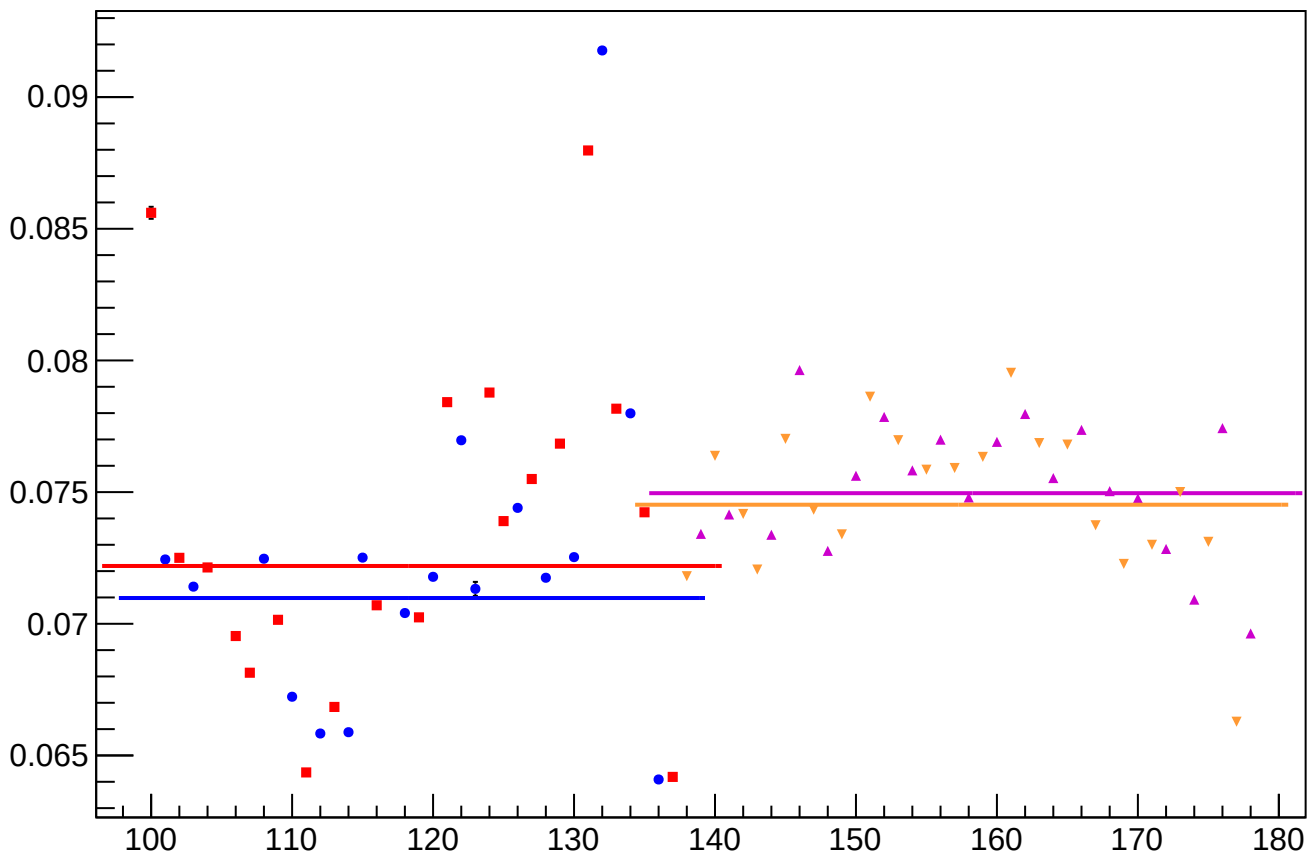
Left In: -1.271+/-0.000 χ^2 /NDF: 5523326059.9/19

+ sign -1.232+/-0.000 χ^2 /NDF: 8719858688.7/37

All: -1.285+/-0.000 χ^2 /NDF: 15883594367.0/38

- 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: 0.075+/-0.000 χ^2/NDF : 49871.0/20

Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

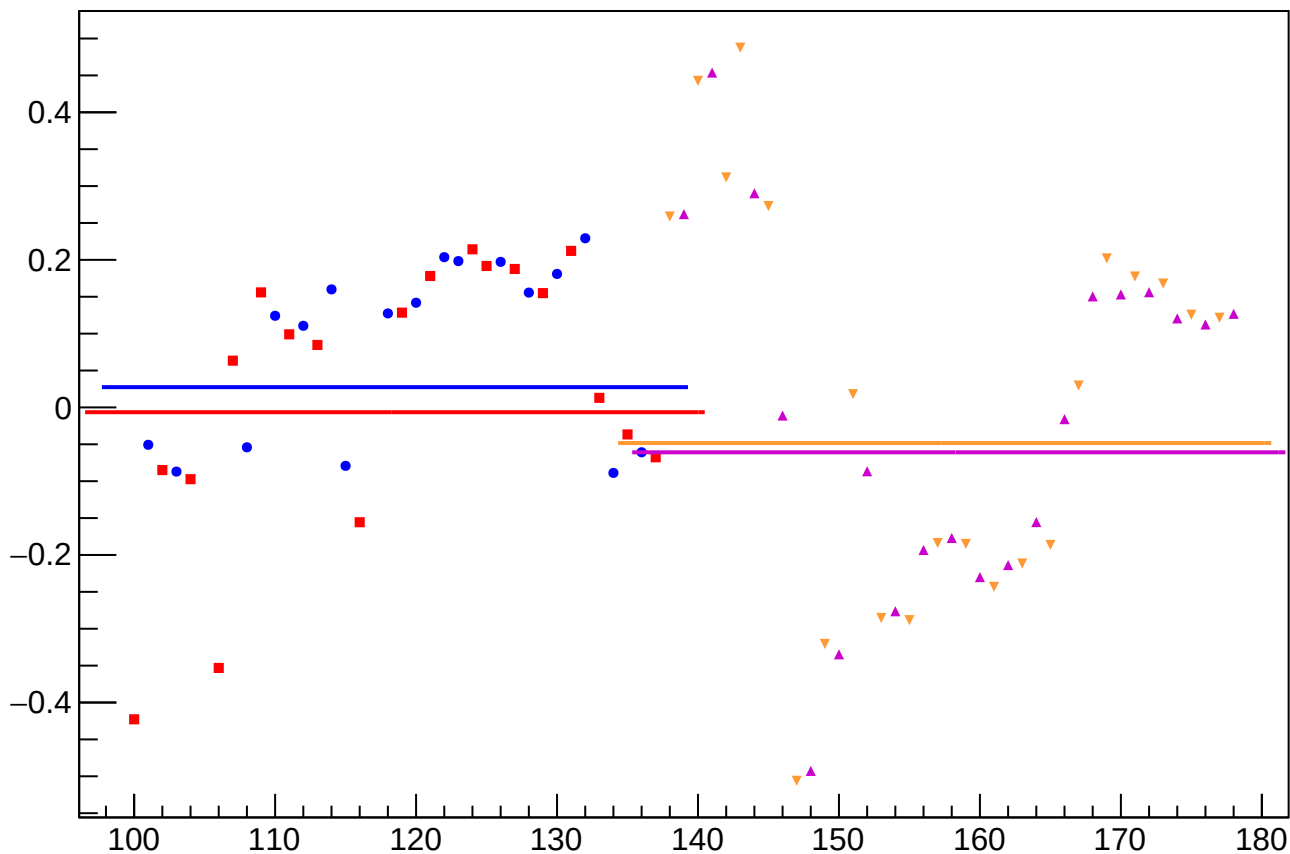
Left In: 0.075+/-0.000 χ^2/NDF : 32659.4/19

+ sign 0.073+/-0.000 χ^2/NDF : 149795.2/37

All: 0.074+/-0.000 χ^2/NDF : 271043.3/76

- 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: -0.048+/-0.000 χ^2/NDF : 18915766384.1/20

+ sign -0.040+/-0.000 χ^2/NDF : 19700662713.4/37

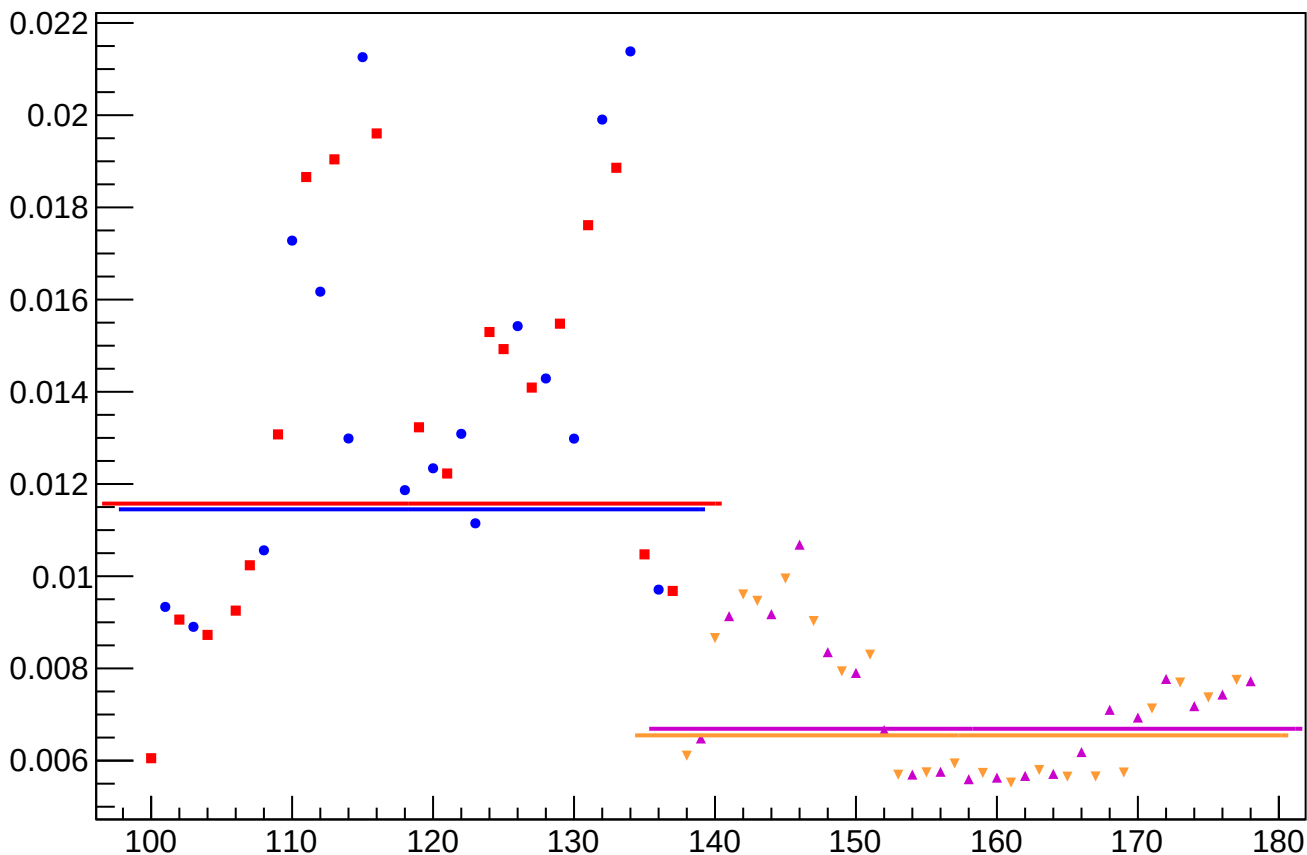
Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

All: -0.047+/-0.000 χ^2/NDF : 35739749542.1/37

Left In: -0.061+/-0.000 χ^2/NDF : 14685520068.2/19

- 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:1039557.9/20

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 997161.1/18

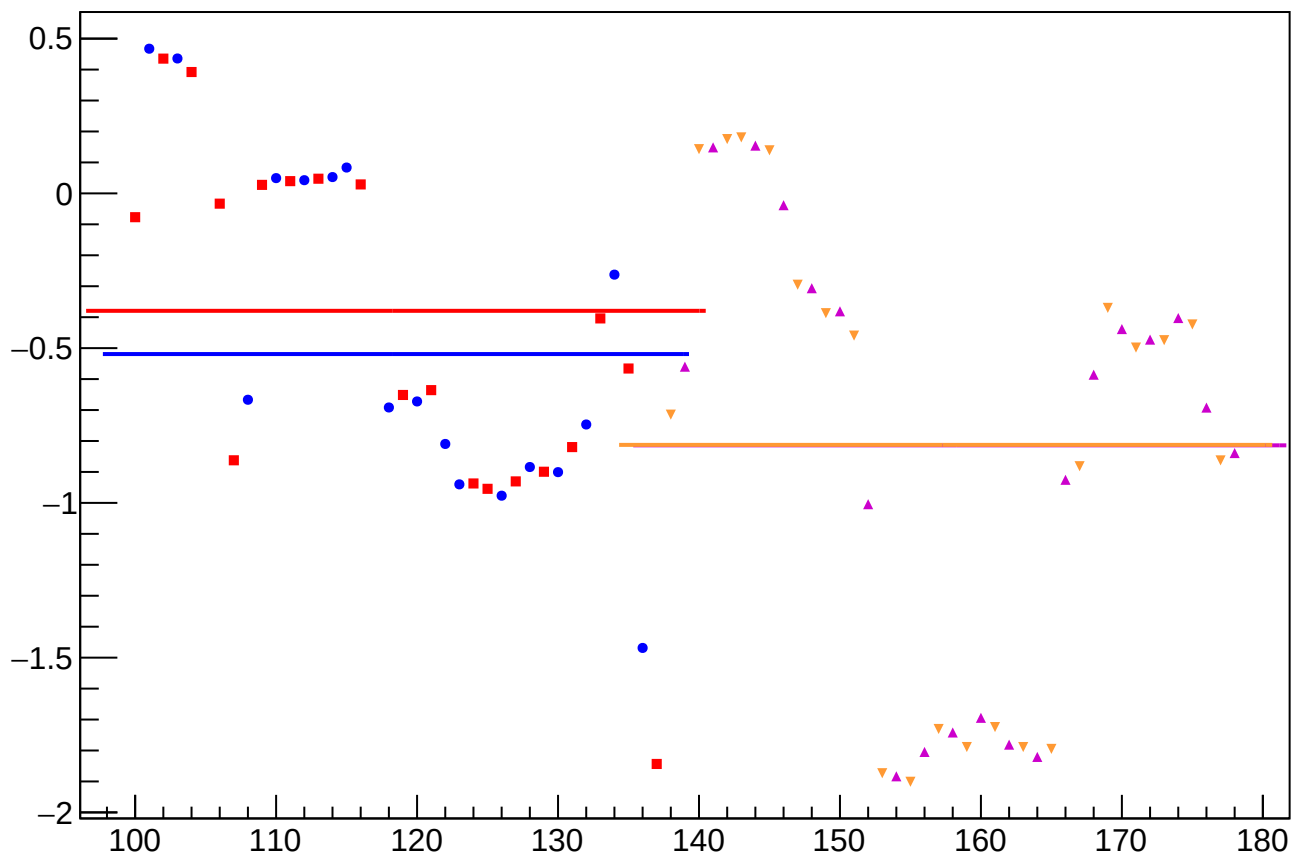
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:881893.1/19

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3583579.8/37

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7327096.8/76

- 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: -0.813 ± 0.000 χ^2/NDF : 1082004268.6/20

Right Out: -0.379 ± 0.000 χ^2/NDF : 268621179.0/18

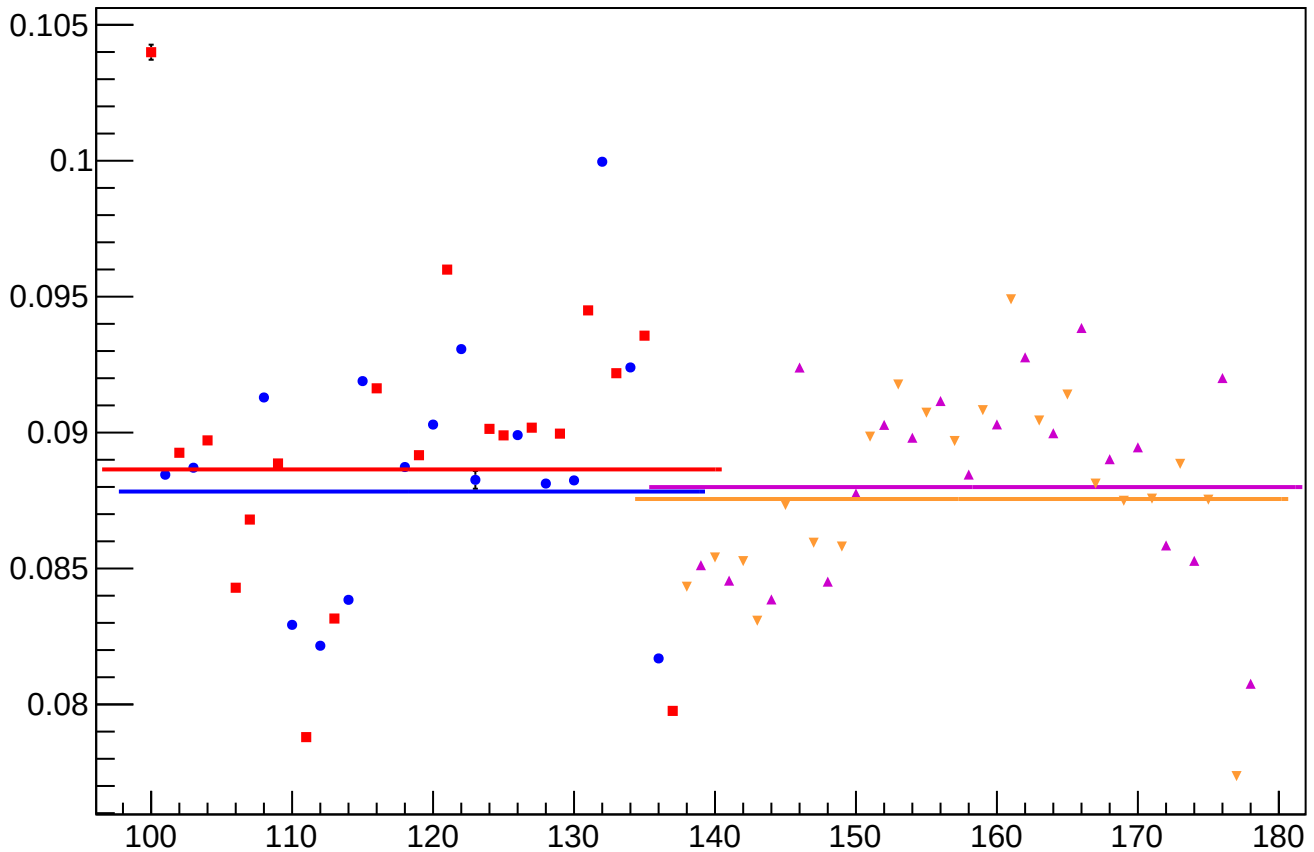
Left In: -0.814 ± 0.000 χ^2/NDF : 919192439.9/19

+ sign -0.725 ± 0.000 χ^2/NDF : 1473821205.8/37

All: -0.702 ± 0.000 χ^2/NDF : 2781948662.0/7

- sign -0.678 ± 0.000 χ^2/NDF : 1304858424.1/38

yield_bpm0r05X_rms vs Slug



Right In: 0.088+/-0.000 χ^2/NDF : 34954.4/16

Left Out: 0.088+/-0.000 χ^2/NDF : 58456.7/20

Right Out: 0.089+/-0.000 χ^2/NDF : 39722.9/18

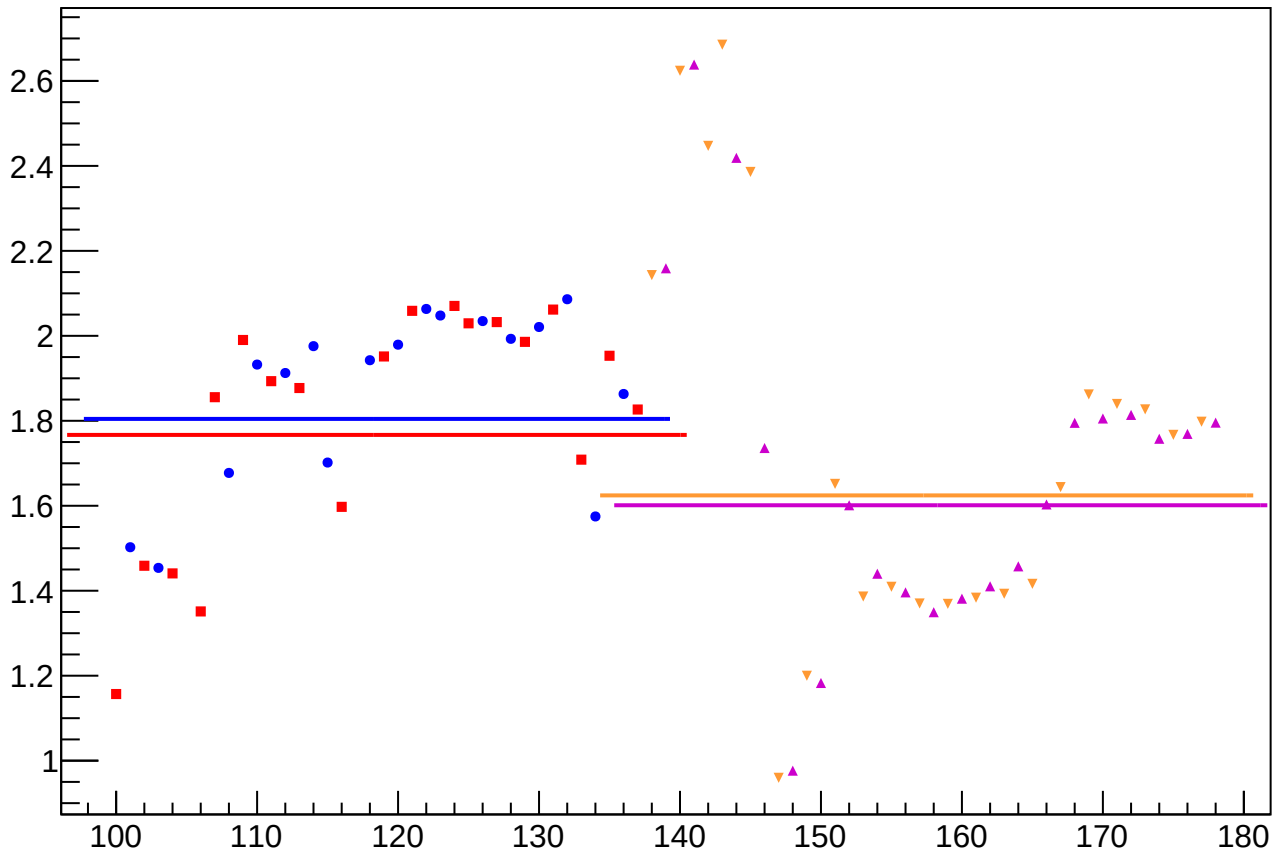
Left In: 0.088+/-0.000 χ^2/NDF : 46514.1/19

+ sign 0.088+/-0.000 χ^2/NDF : 93503.1/37

All: 0.088+/-0.000 χ^2/NDF : 181173.8/76

- sign 0.088+/-0.000 χ^2/NDF : 86759.9/38

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 25497792887.5/20

Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1709259284.5/18

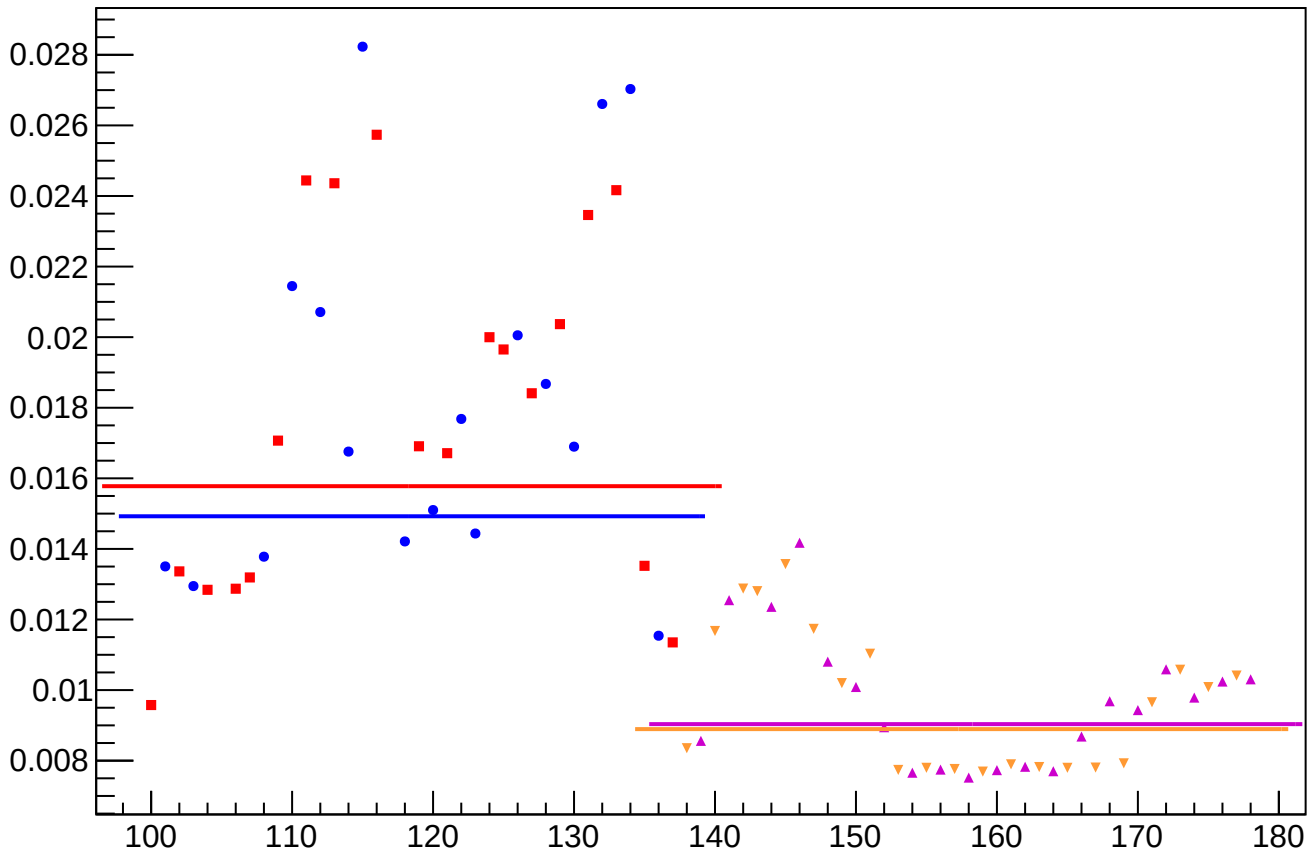
Left In: 1.601 $\pm$ 0.000 χ^2 /NDF: 19999652666.2/19

+ sign 1.646 $\pm$ 0.000 χ^2 /NDF: 27389017584.3/37

All: 1.634 $\pm$ 0.000 χ^2 /NDF: 49745986273.6/7

- sign 1.621 $\pm$ 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 : 958387.0/20

Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

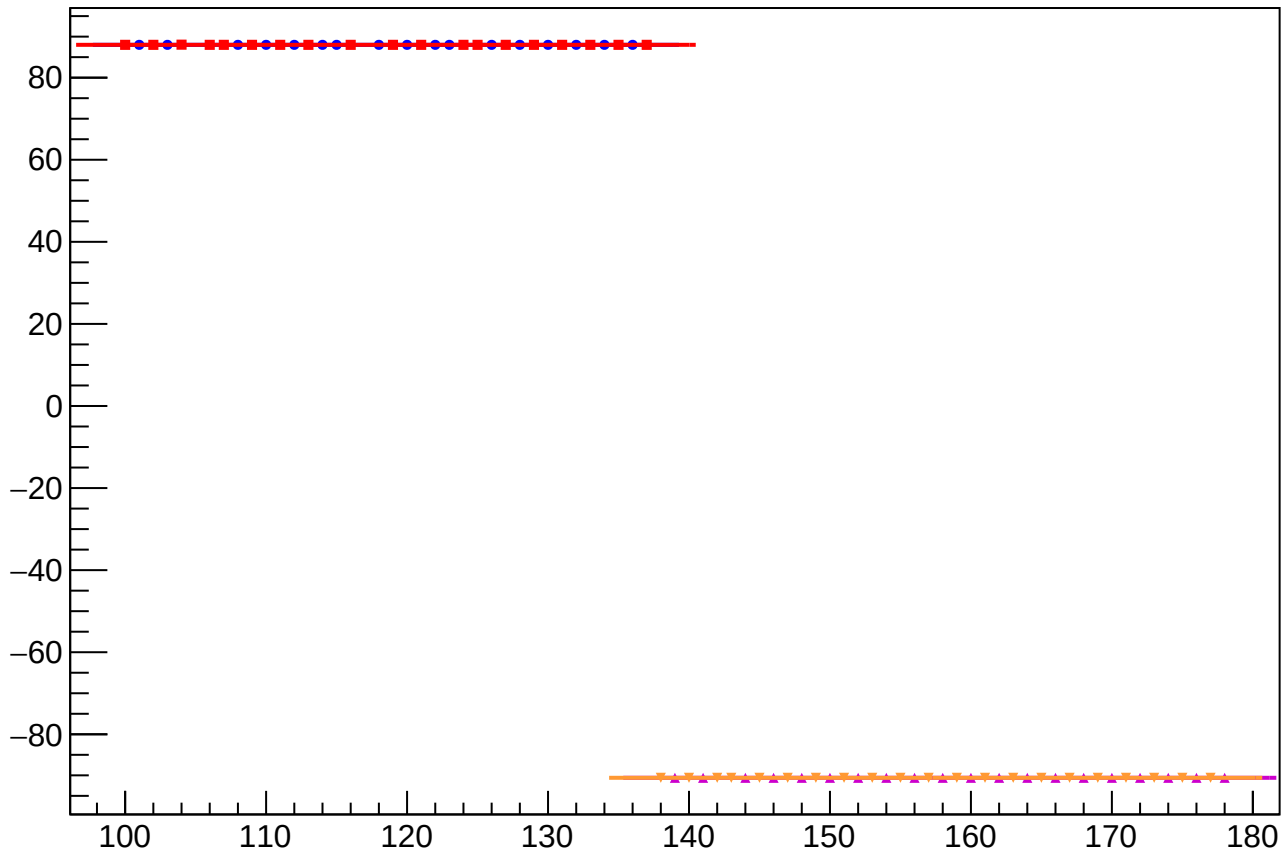
Left In: 0.009+/-0.000 χ^2/NDF : 837630.6/19

+ sign 0.010+/-0.000 χ^2/NDF : 3250085.5/37

All: 0.010+/-0.000 χ^2/NDF : 6818730.2/76

- sign 0.010+/-0.000 χ^2/NDF : 3558402.9/38

epics_VWienAngles_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 1852068.7/16

Left Out: -90.599+/-0.000 χ^2/NDF : 6193757.2/20

Right Out: 88.004+/-0.000 χ^2/NDF : 77545892857504626270604886016.0/18

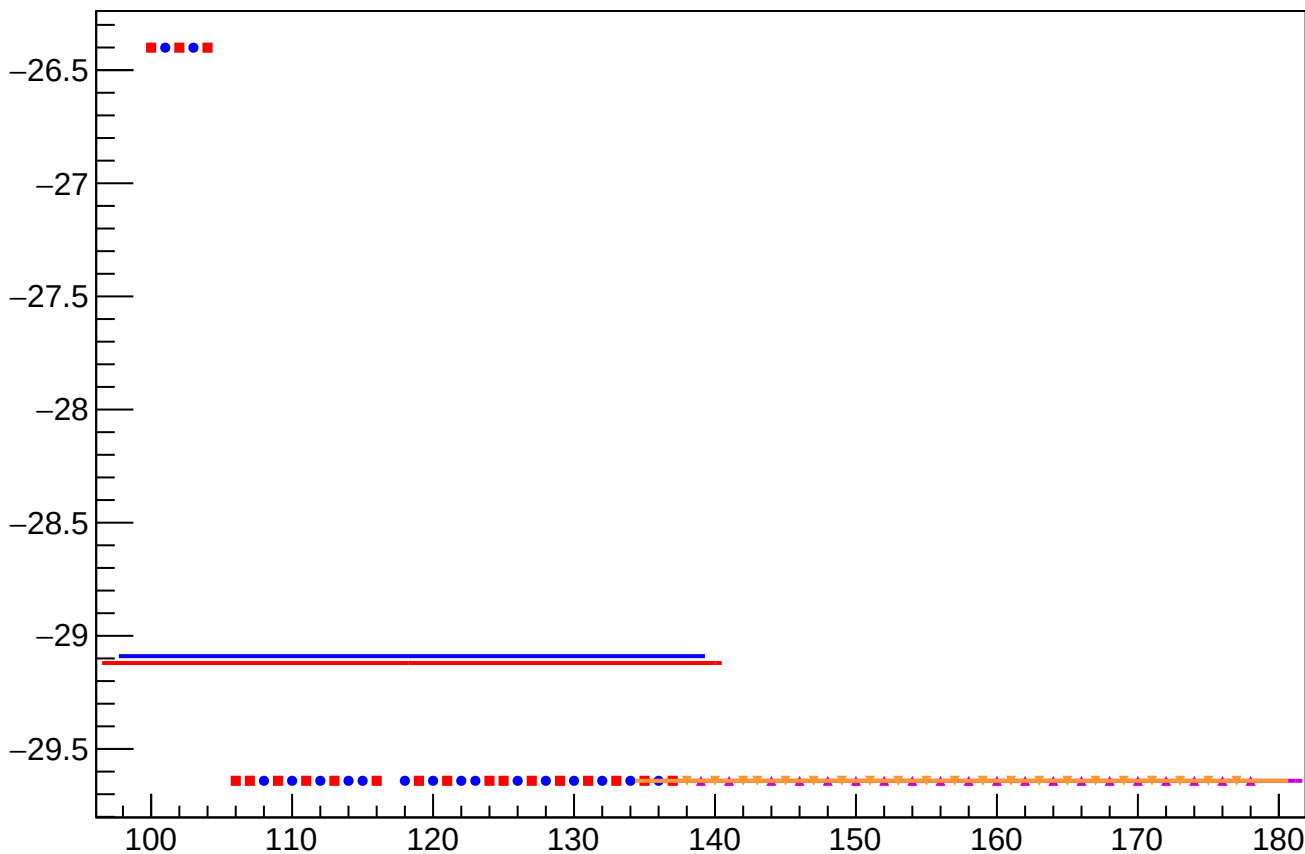
Left In: -90.599+/-0.000 χ^2/NDF : 5476638.4/19

+ sign -37.311+/-0.000 χ^2/NDF : 155321946172312

All: -36.154+/-0.000 χ^2/NDF : 313989825352

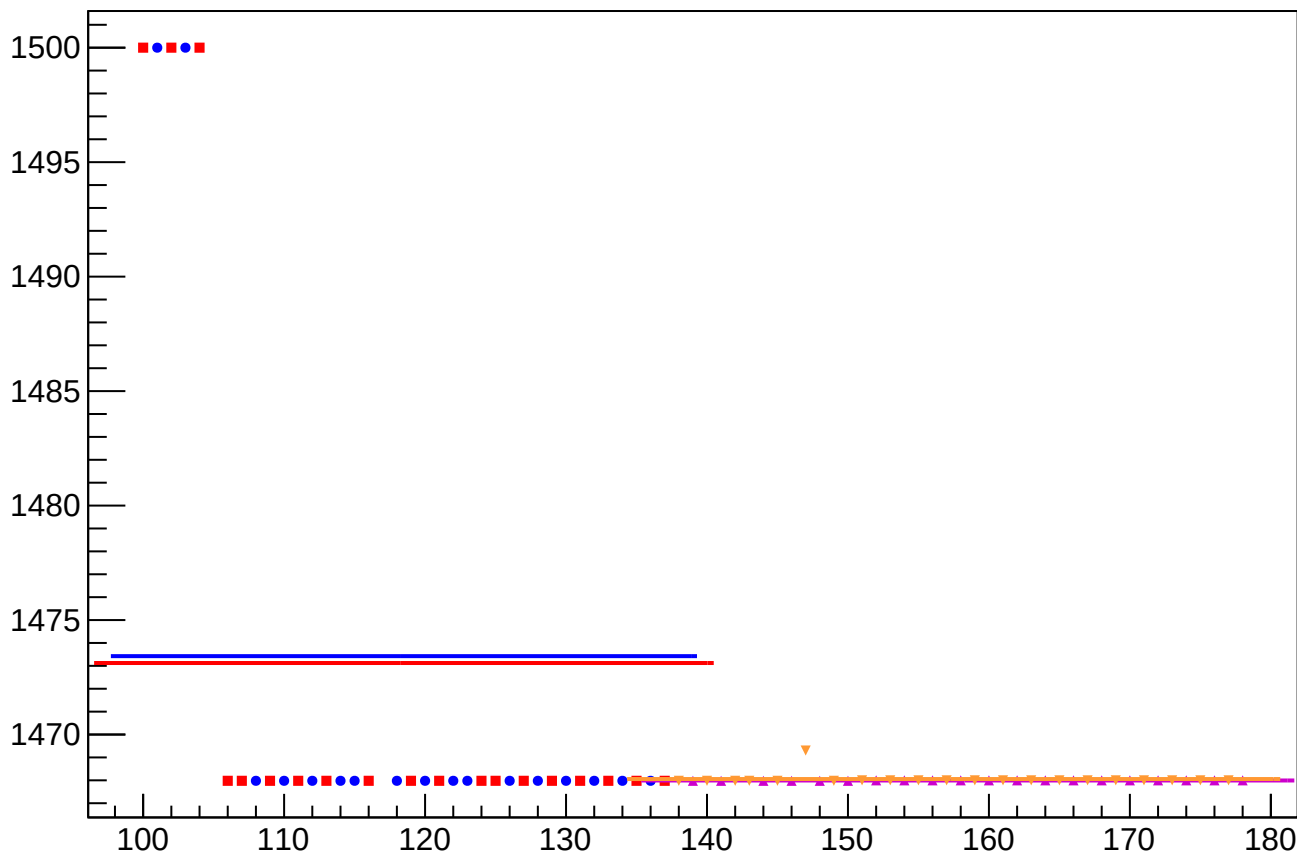
- sign -34.993+/-0.000 χ^2/NDF : 1586054737416269

epics_HWienAngles_mean vs Slug



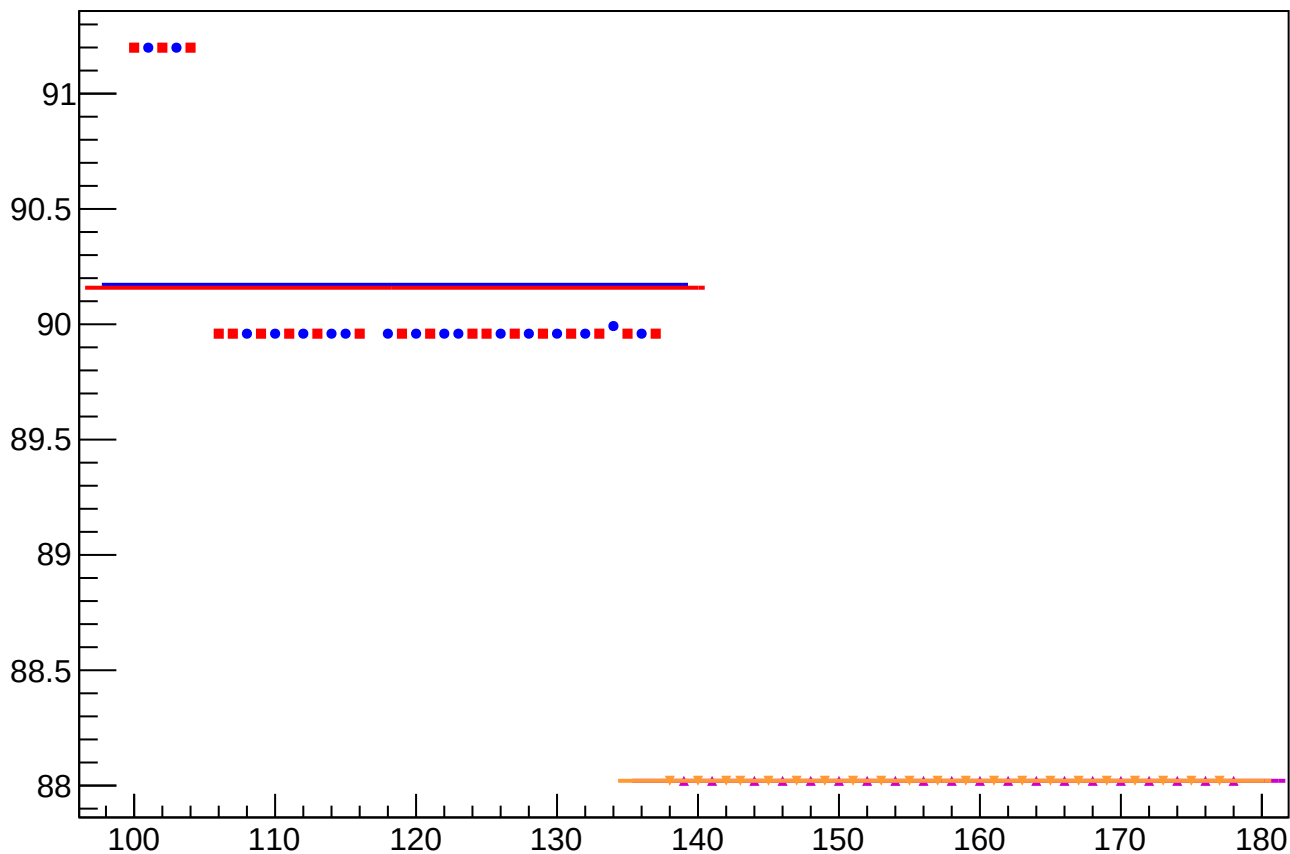
Right In: -29.090+/-0.000 χ^2/NDF : 1028099246109521929793835198578688.0/16
 Left Out: -29.641+/-0.000 χ^2/NDF : 230726.0/20 + sign -29.476+/-0.000 χ^2/NDF : 117587562098020
 Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18 All: -29.477+/-0.000 χ^2/NDF : 233269101881
 Left In: -29.641+/-0.000 χ^2/NDF : 333984.8/19 - 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: 1468.056+/-0.000 χ^2/NDF : 127166964591025559887956343259136.0/20
 Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18
 Left In: 1467.993+/-0.000 χ^2/NDF : 13753187228886906226153095168.0/19
 All: 1469.624+/-0.000 χ^2/NDF : 22750656539
 + sign 1469.658+/-0.000 χ^2/NDF : 11457805207780
 - 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 : 4942888.8/20

Right Out: 90.159+/-0.000 χ^2/NDF : 149705165651000025160777180643328.0/18

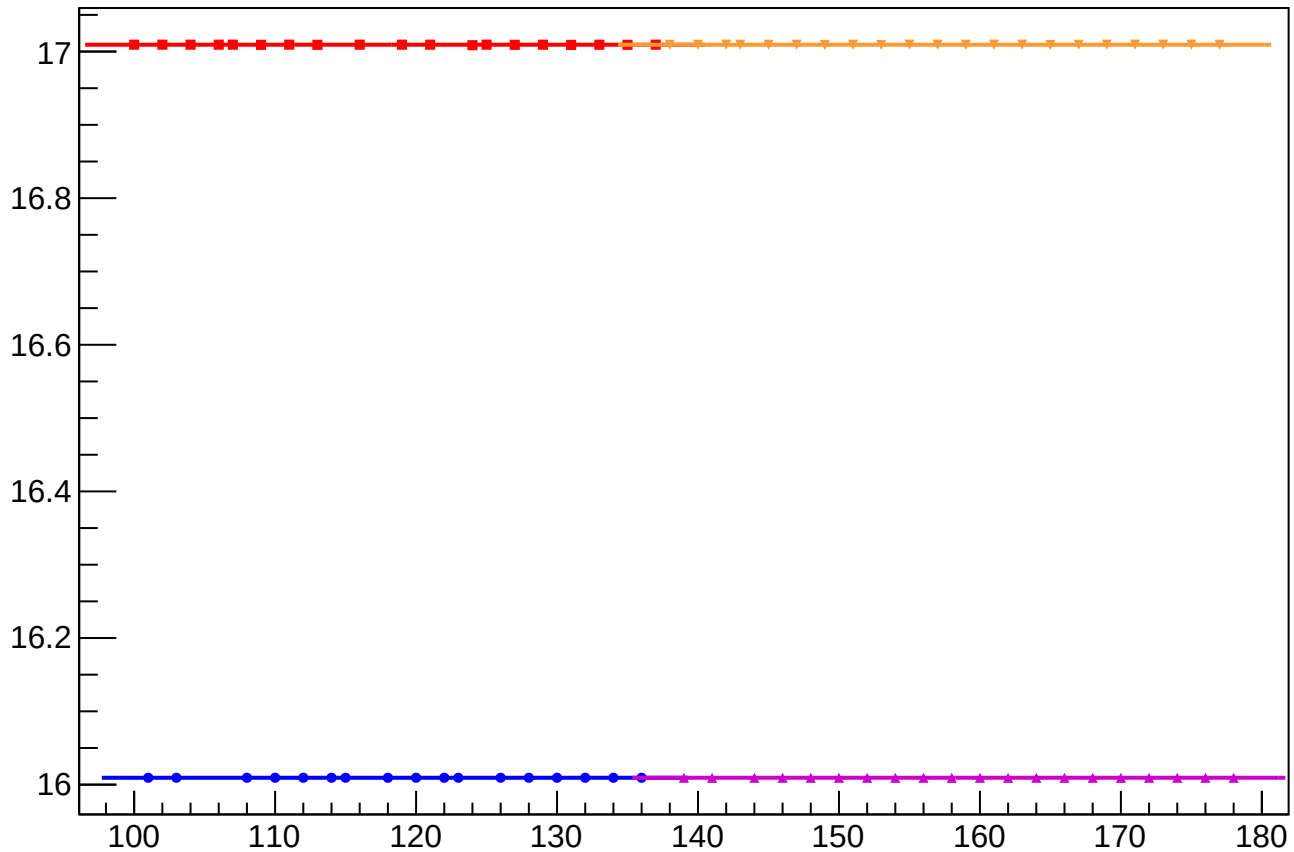
Left In: 88.021+/-0.000 χ^2/NDF : 5490976.8/19

+ sign 88.662+/-0.000 χ^2/NDF : 2402067802113965

All: 88.674+/-0.000 χ^2/NDF : 4824830481849

- 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: 23291282091101234567053312.0/20

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12516014336037541461884928.0/18

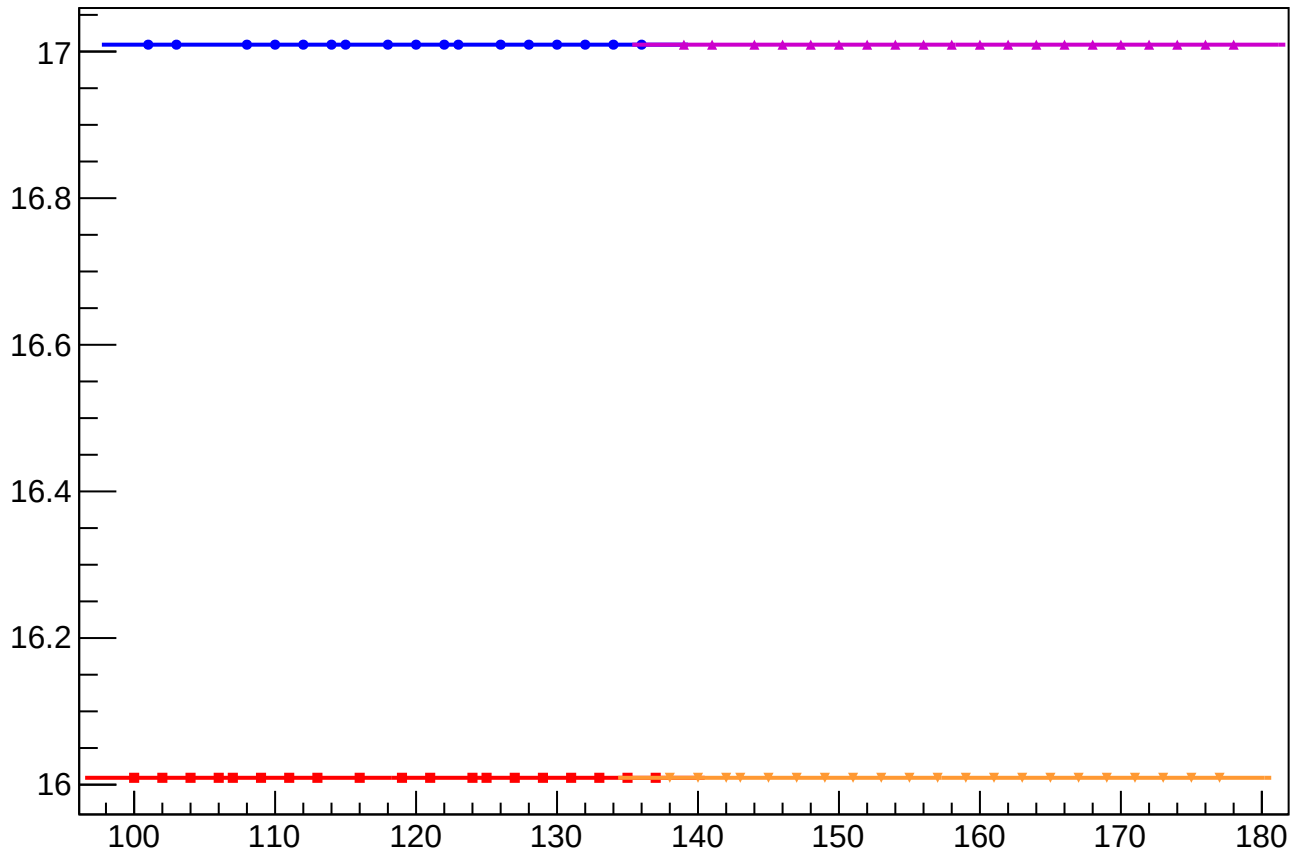
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127243494275687670349824.0/19

+ sign 16.704 $\pm$ 0.000 χ^2 /NDF: 4596548954427238

All: 16.510 $\pm$ 0.000 χ^2 /NDF: 1078763992226

- 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: 59764.1/20

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 39518.8/18

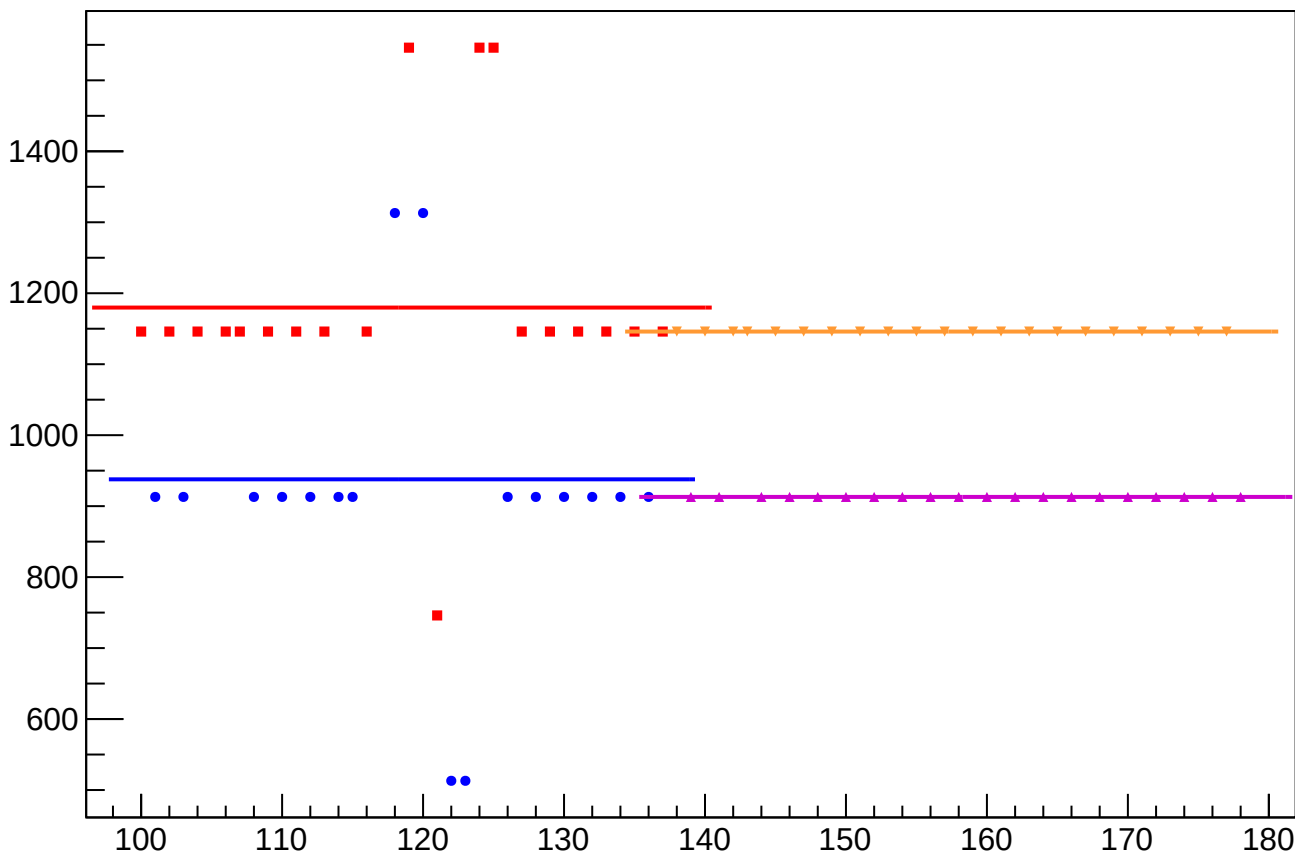
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 114307265846797251117056.0/19

+ sign 16.301 $\pm$ 0.000 χ^2 /NDF: 4689409691629892

All: 16.498 $\pm$ 0.000 χ^2 /NDF: 1135946872368

- sign 16.695 $\pm$ 0.000 χ^2 /NDF: 4903824830907475

epics_RTPAPOSUCNTs_mean vs Slug



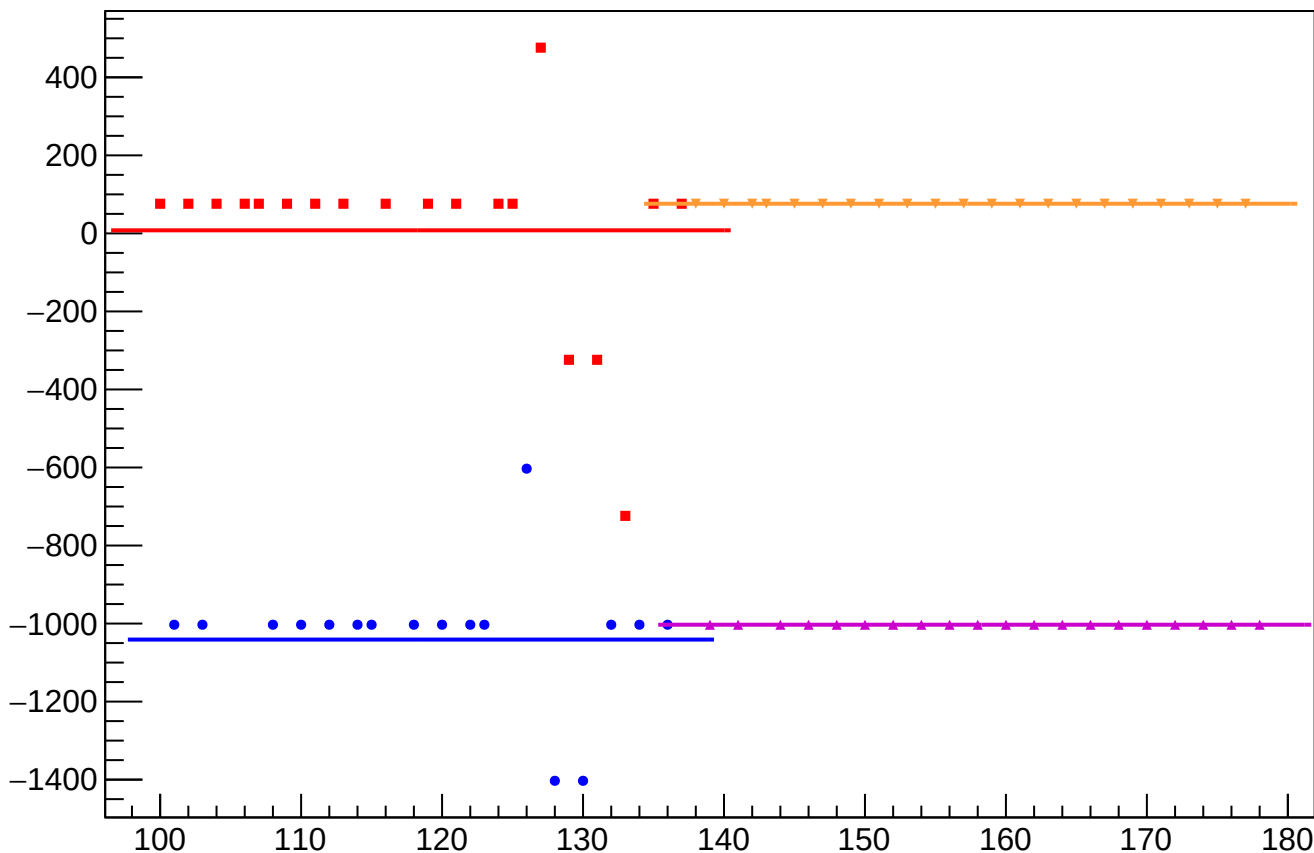
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 5202626768434015163486568448.0/20

Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18

Left In: 912.995+/-0.000 χ^2/NDF : 24474191532429700505142296576.0/19

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16
 Left Out: 76.011+/-0.000 χ^2/NDF : 10601909425478861398258745344.0/20
 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: -472.448+/-0.000 χ^2/NDF : 13978804994
 + sign -257.276+/-0.000 χ^2/NDF : 63026162432643
 - sign -688.269+/-0.000 χ^2/NDF : 55191143732265