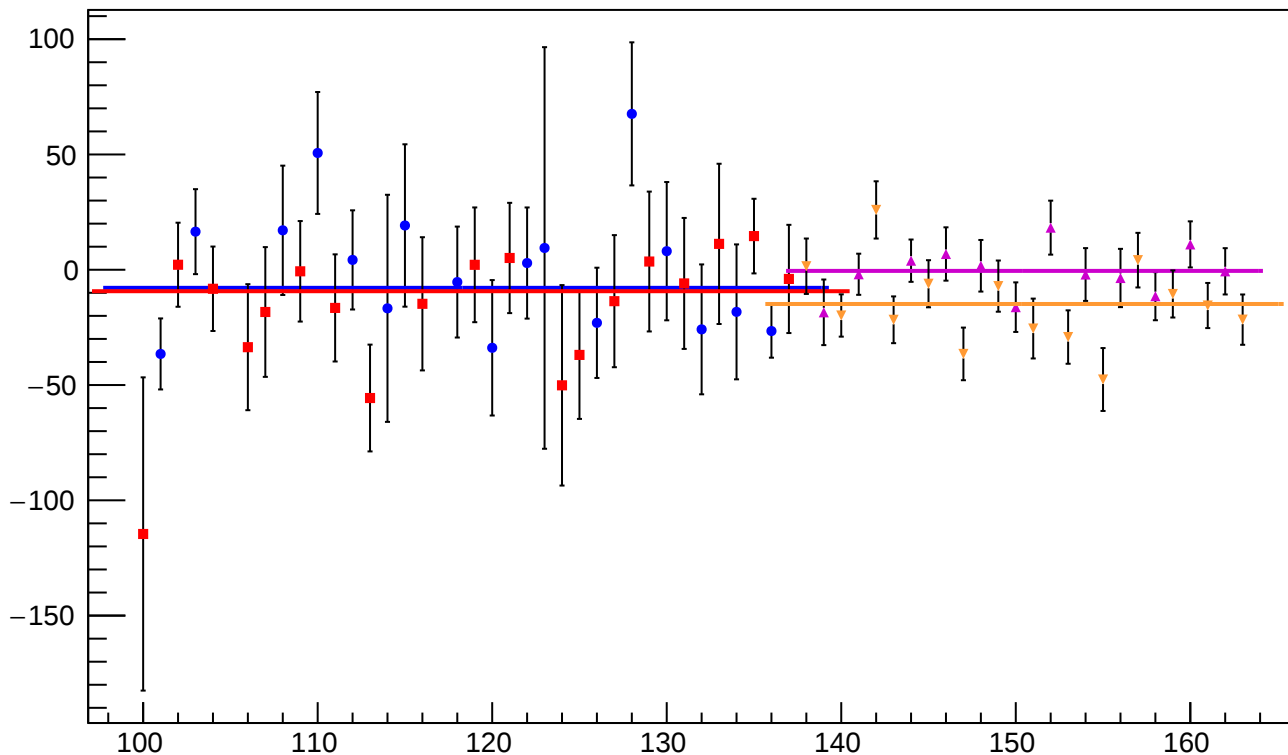


diff_bpm4aX_mean vs Slug



Right In: -7.841+/-5.608

χ^2/NDF : 22.6/16

Left Out: -14.849+/-2.953

χ^2/NDF : 29.4/13

Right Out: -9.309+/-5.677

χ^2/NDF : 13.2/18

Left In: -0.495+/-3.104

χ^2/NDF : 9.5/11

+ sign -13.328+/-2.613

χ^2/NDF : 53.2/30

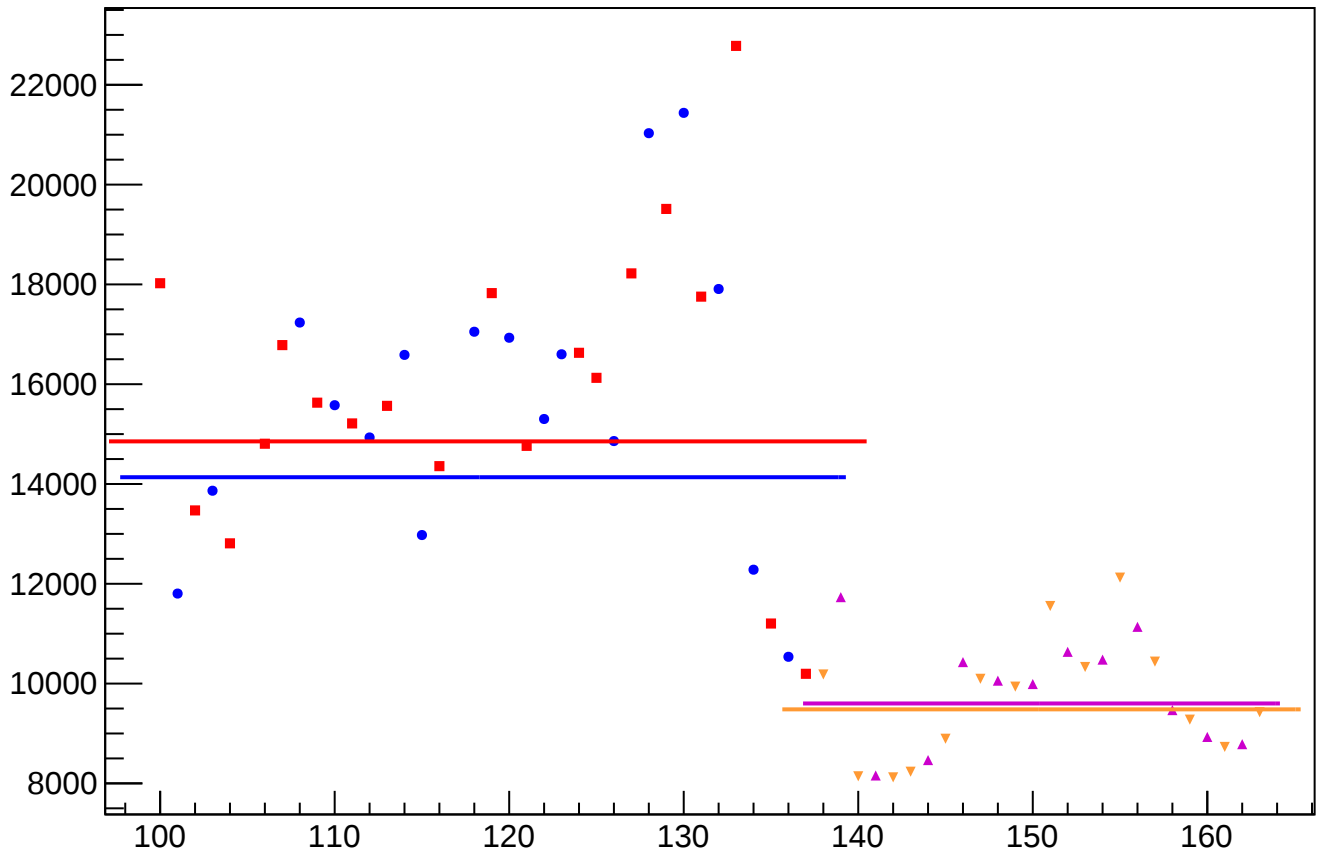
All: -8.150+/-1.885

χ^2/NDF : 86.0/61

- sign -2.524+/-2.723

χ^2/NDF : 24.6/30

diff_bpm4aX_rms vs Slug



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

Left Out: 9483.310+/-2.088 χ^2/NDF : 282175.3/13

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

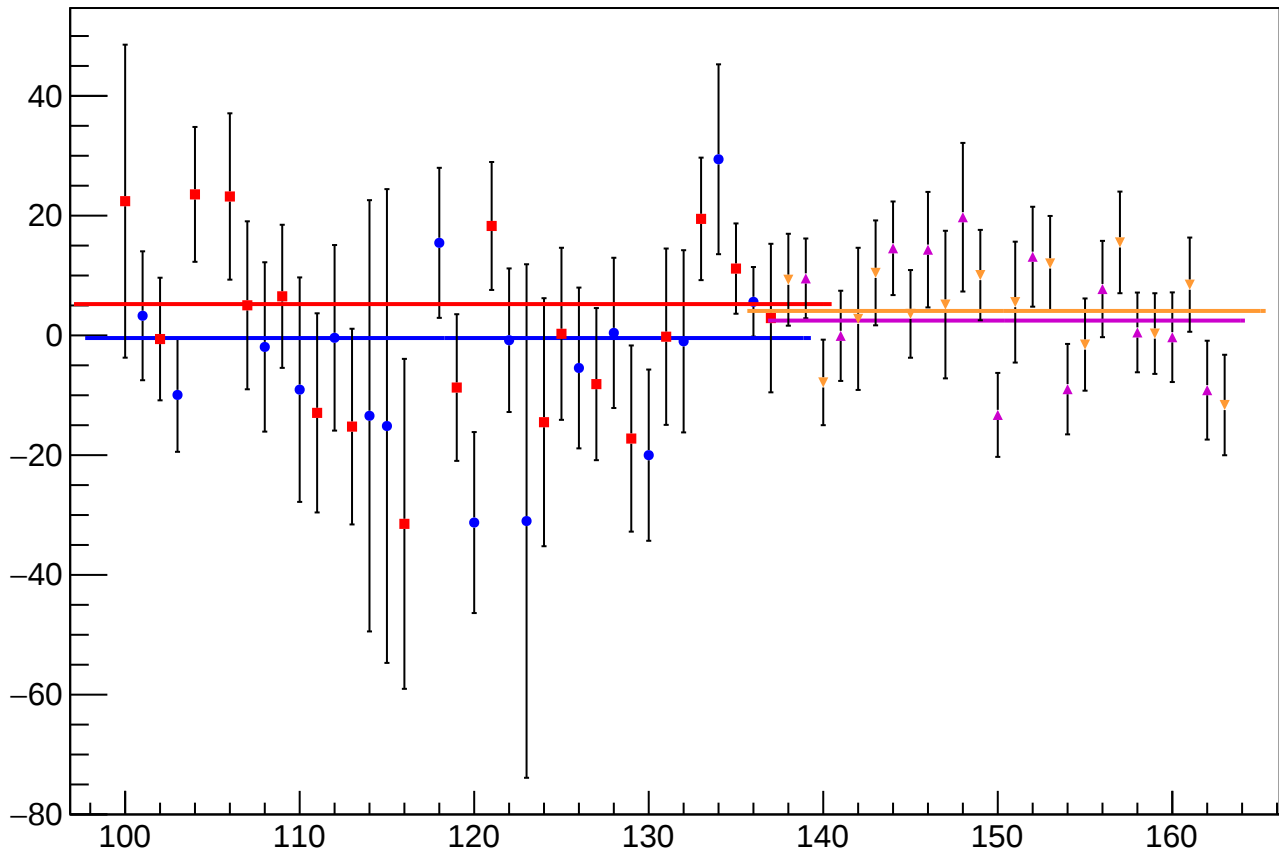
Left In: 9601.500+/-2.195 χ^2/NDF : 223555.1/11

+ sign 10492.989+/-1.847 χ^2/NDF : 1957027.3/30

All: 10645.020+/-1.333 χ^2/NDF : 3984746.6/60

- sign 10810.213+/-1.926 χ^2/NDF : 2013588.5/30

diff_bpm4aY_mean vs Slug



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

Left Out: 4.084 ± 2.191 χ^2/NDF : 11.9/13

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

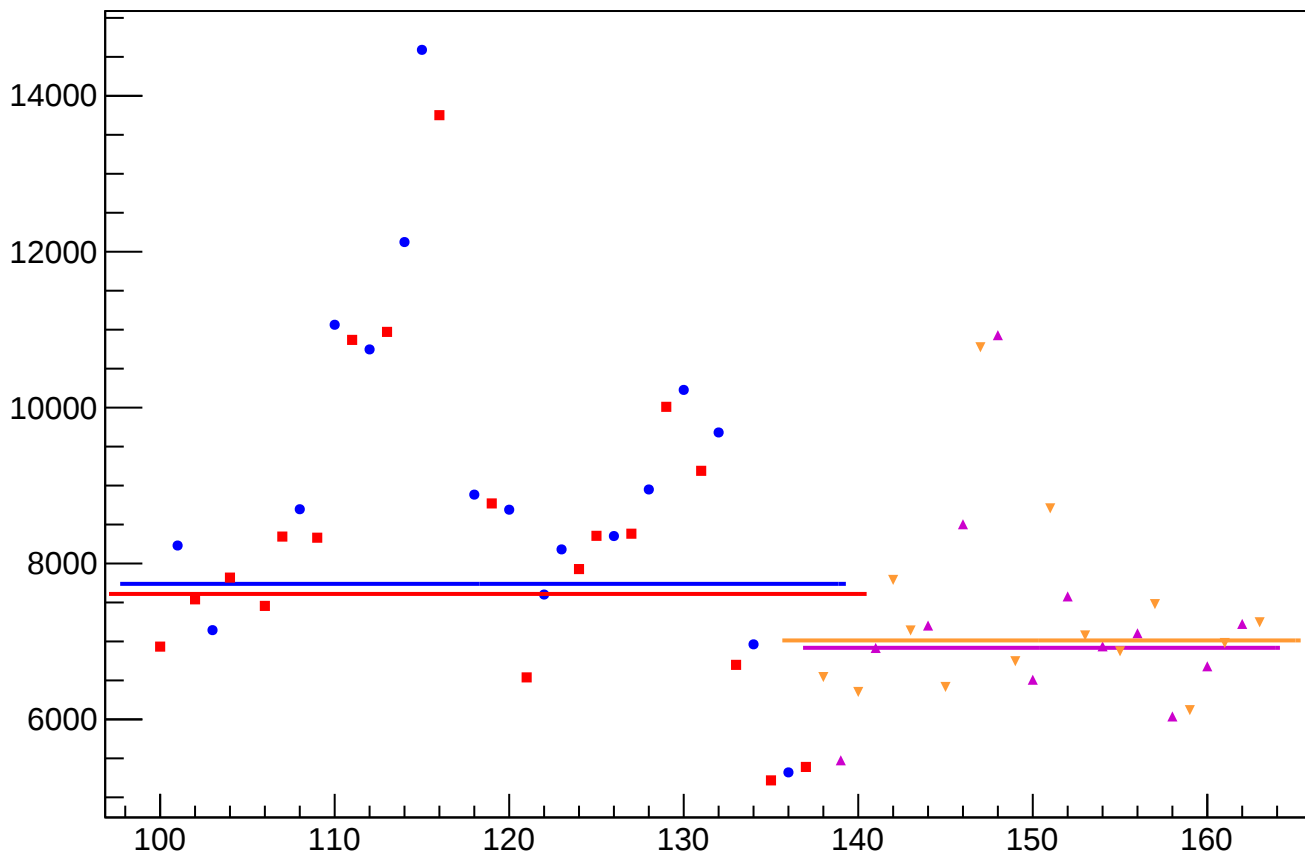
Left In: 2.473 ± 2.256 χ^2/NDF : 18.7/11

+ sign 2.558 ± 1.783 χ^2/NDF : 27.9/30

All: 3.026 ± 1.263 χ^2/NDF : 66.6/61

- sign 3.496 ± 1.789 χ^2/NDF : 38.6/30

diff_bpm4aY_rms vs Slug



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

Left Out: 7013.041+/-1.549 χ^2/NDF : 335727.1/13

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

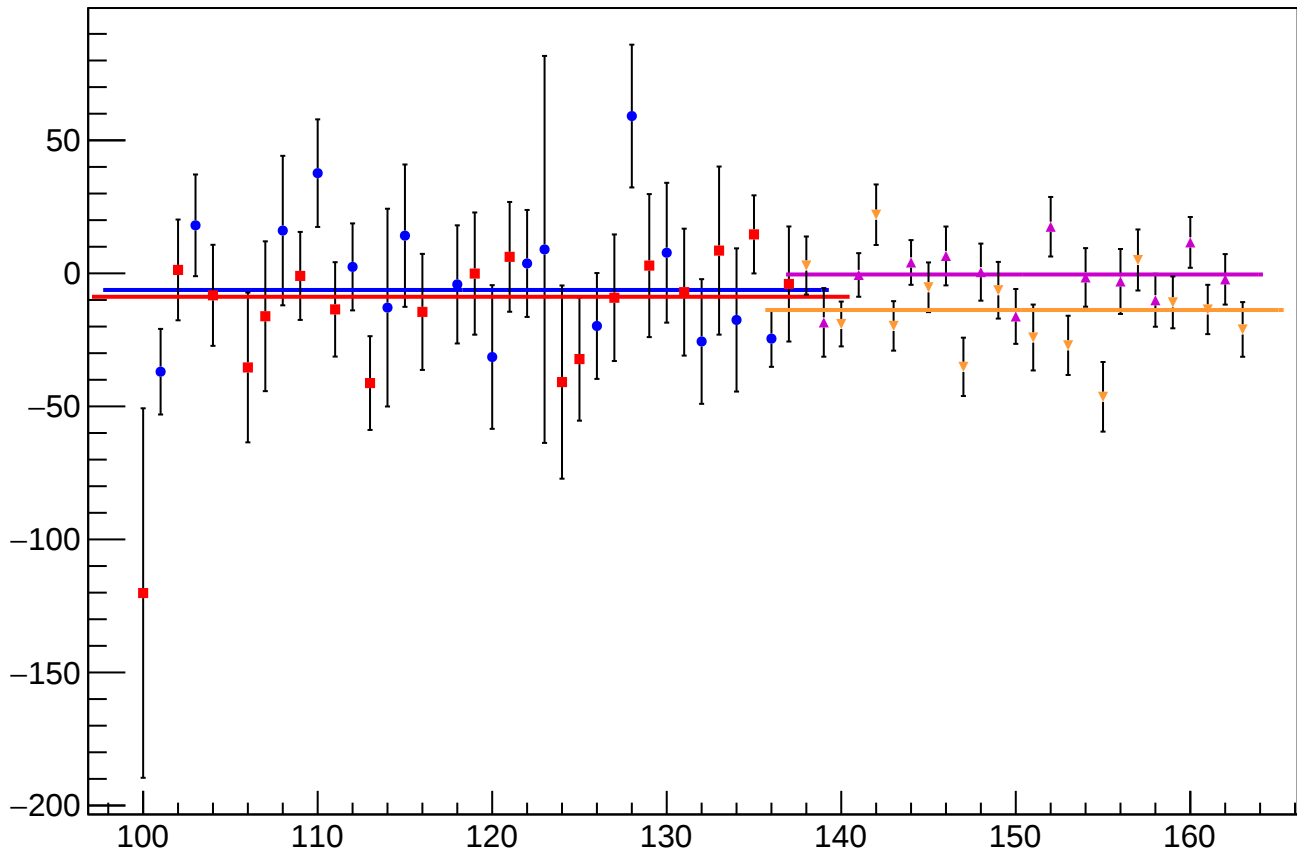
Left In: 6918.240+/-1.595 χ^2/NDF : 419646.6/11

+ sign 7257.840+/-1.261 χ^2/NDF : 1150607.7/30

All: 7216.464+/-0.893 χ^2/NDF : 2321322.1/63

- sign 7174.846+/-1.265 χ^2/NDF : 1168555.2/30

diff_bpm4eX_mean vs Slug



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

Left Out: -13.771 ± 2.773 χ^2/NDF : 29.8/13

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

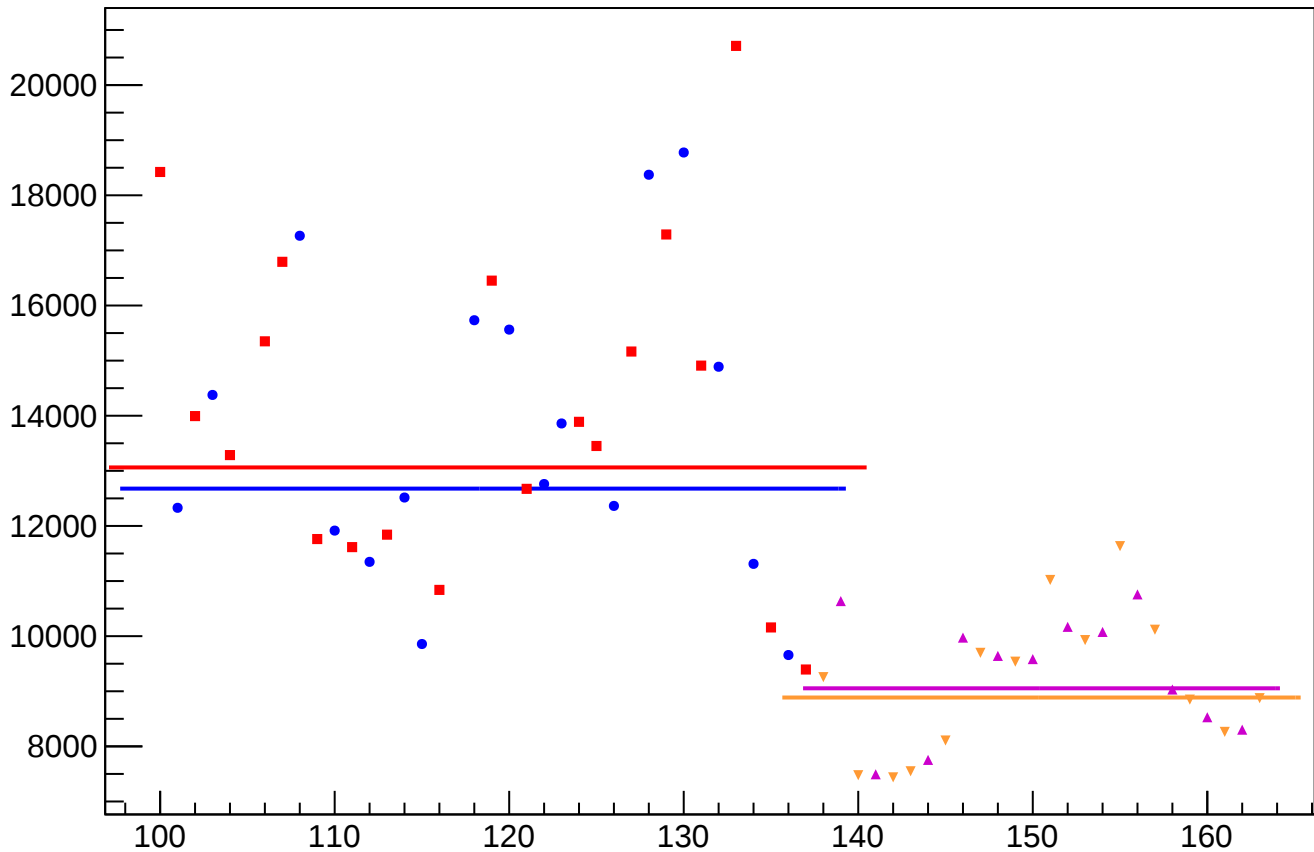
Left In: -0.422 ± 2.930 χ^2/NDF : 10.2/11

+ sign -12.010 ± 2.427 χ^2/NDF : 54.7/30

All: -7.480 ± 1.751 χ^2/NDF : 87.4/61

- sign -2.565 ± 2.528 χ^2/NDF : 25.4/30

diff_bpm4eX_rms vs Slug



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

Left Out: 8886.576+/-1.960 χ^2/NDF : 361757.5/13

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

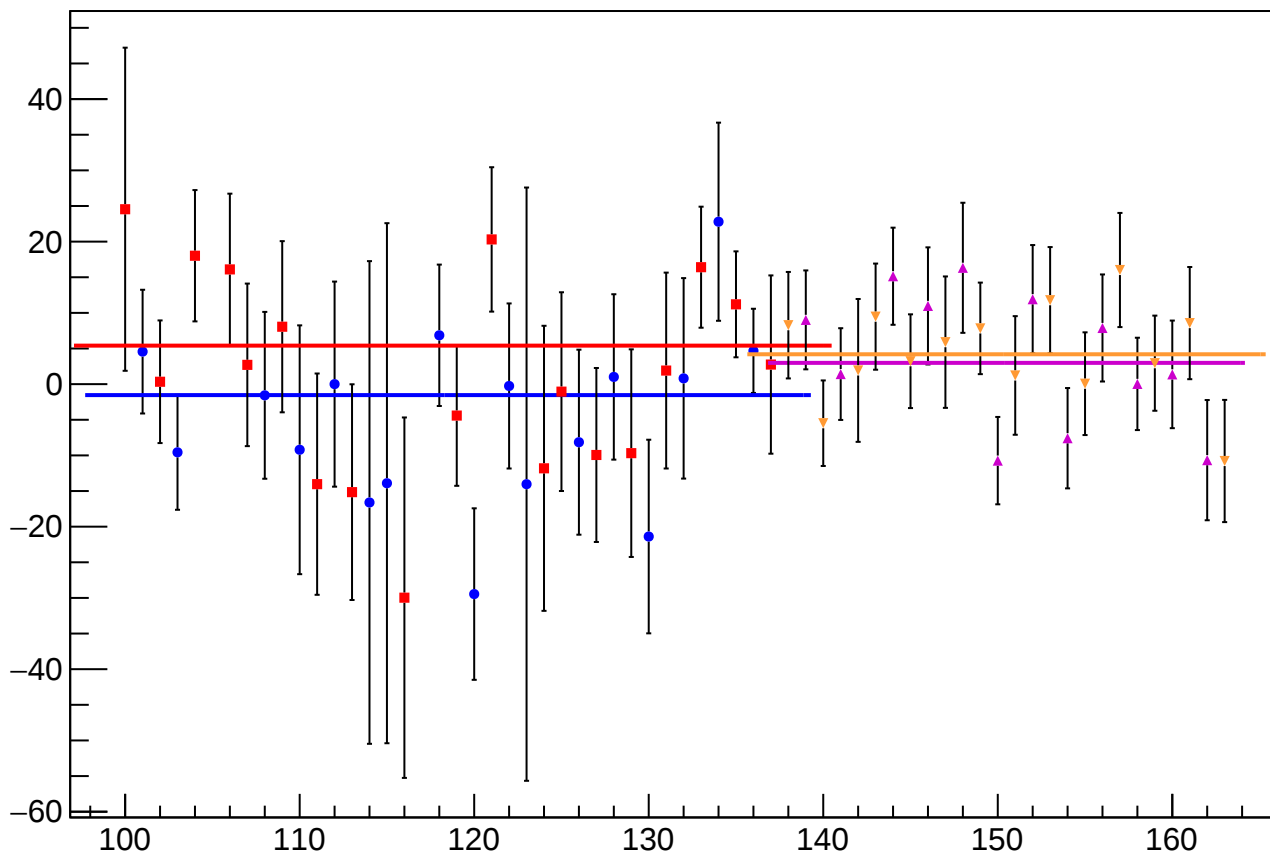
Left In: 9053.779+/-2.072 χ^2/NDF : 270283.7/11

+ sign 9773.367+/-1.716 χ^2/NDF : 1790038.9/30

All: 9919.755+/-1.238 χ^2/NDF : 3529754.8/63

- sign 10078.617+/-1.788 χ^2/NDF : 1724539.5/30

diff_bpm4eY_mean vs Slug



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

Left Out: 4.192 ± 1.991 χ^2/NDF : 10.9/13

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

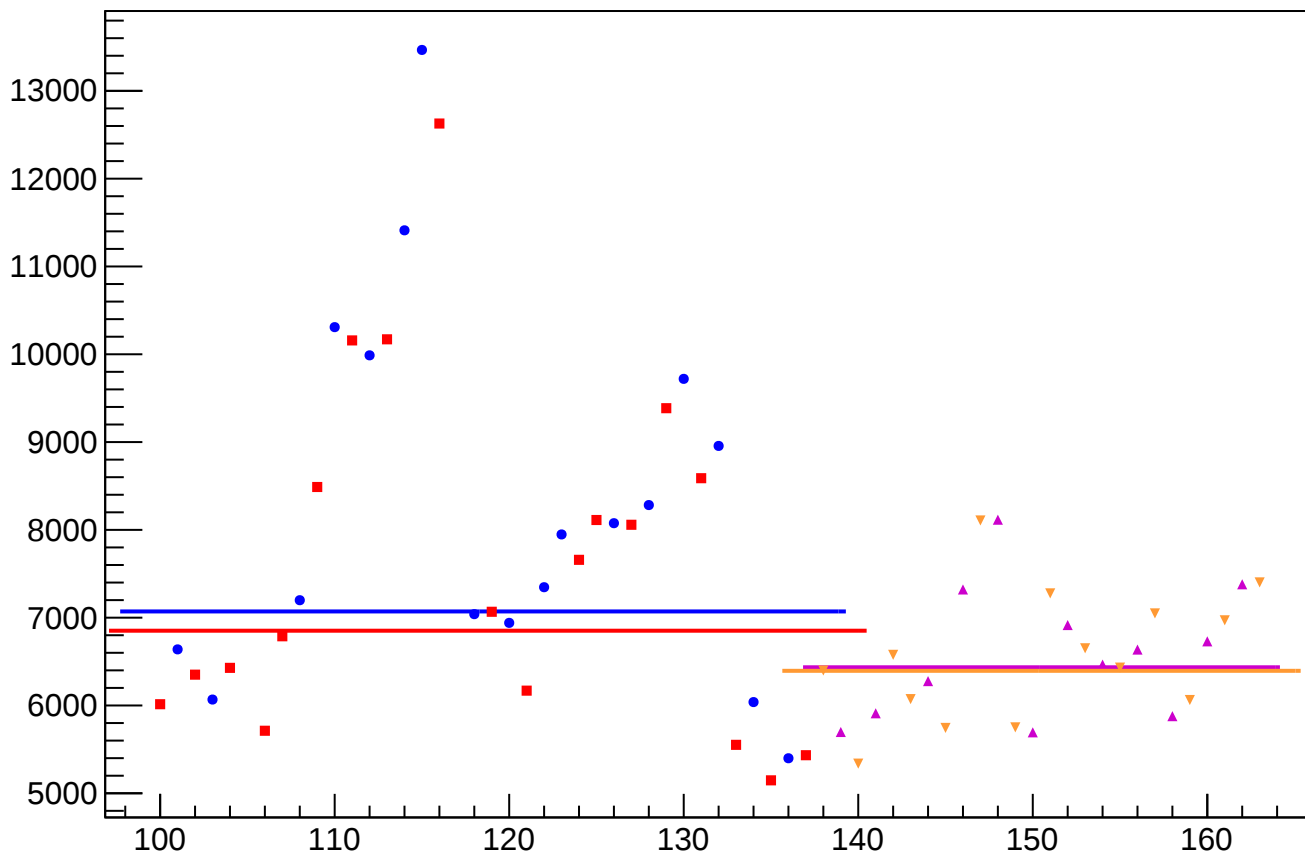
Left In: 2.986 ± 2.083 χ^2/NDF : 19.0/11

+ sign 2.259 ± 1.621 χ^2/NDF : 28.5/30

All: 3.079 ± 1.151 χ^2/NDF : 67.2/61

- sign 3.914 ± 1.635 χ^2/NDF : 38.1/30

diff_bpm4eY_rms vs Slug



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

Left Out: 6394.760 $\pm$ 1.408 χ^2 /NDF:256502.6/13

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

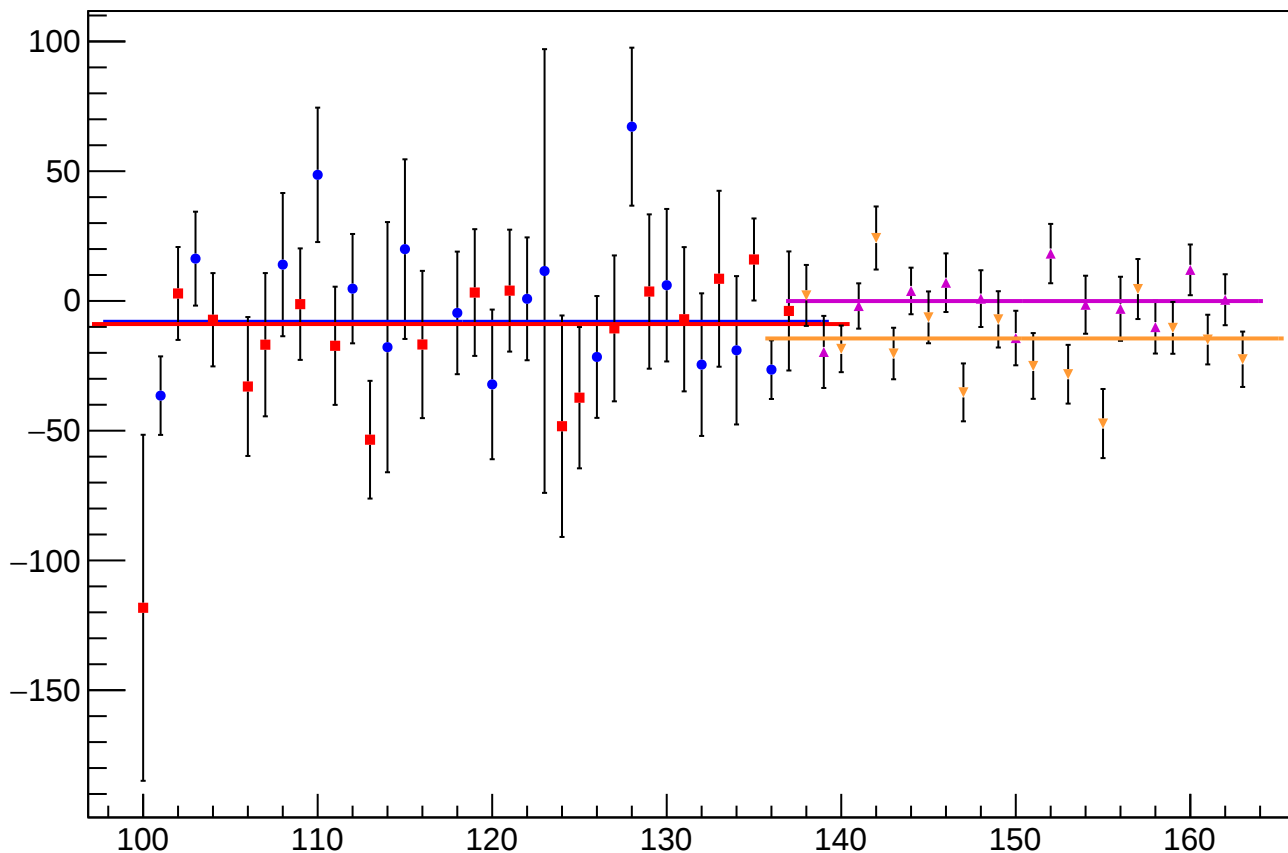
Left In: 6434.937 $\pm$ 1.473 χ^2 /NDF:209616.4/11

+ sign 6622.948 $\pm$ 1.146 χ^2 /NDF: 935090.7/30

All: 6609.015 $\pm$ 0.814 χ^2 /NDF: 1860113.9/63

- sign 6594.835 $\pm$ 1.156 χ^2 /NDF: 924725.0/30

diff_bpm4acX_mean vs Slug



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

Left Out: -14.456 ± 2.886 χ^2/NDF : 29.0/13

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

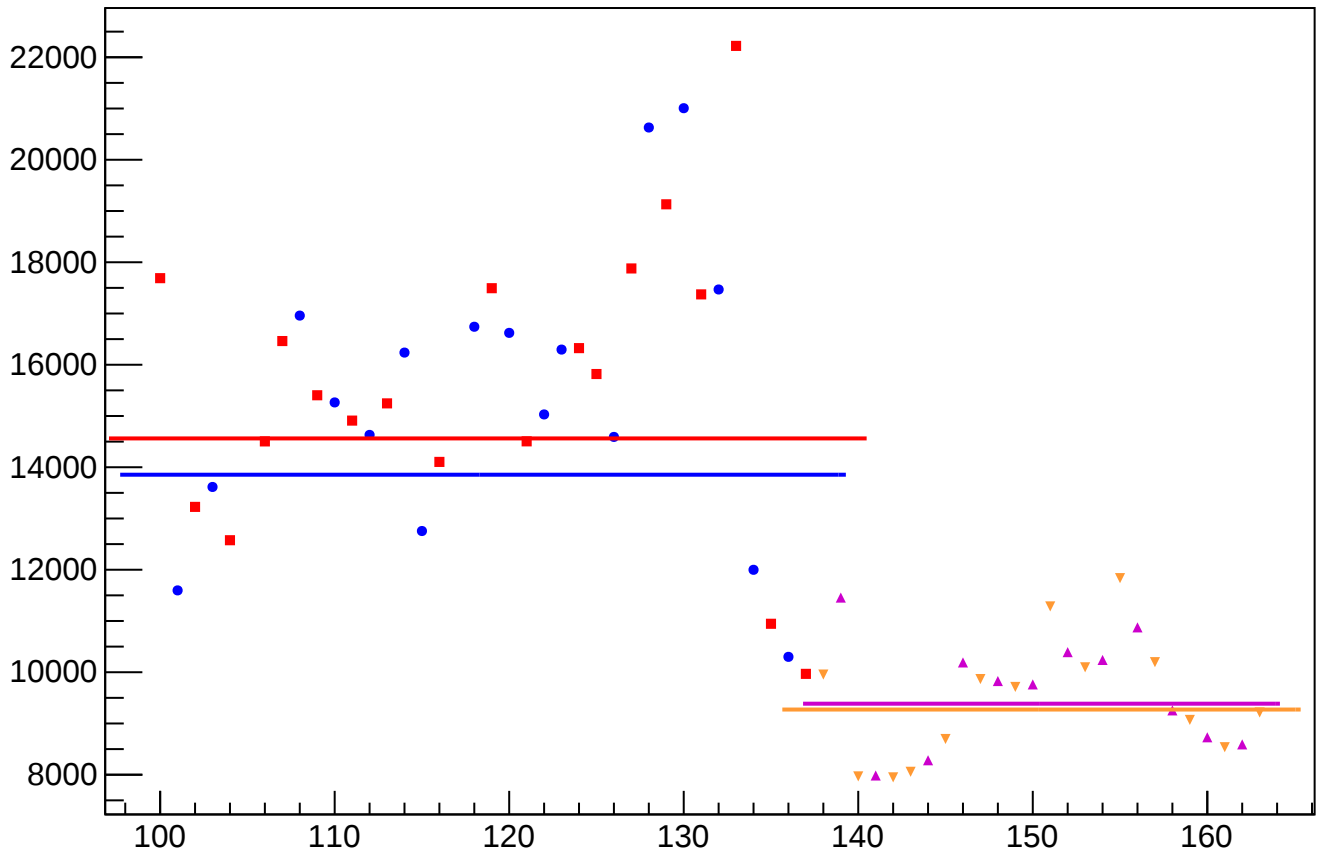
Left In: -0.047 ± 3.034 χ^2/NDF : 9.6/11

+ sign -13.069 ± 2.556 χ^2/NDF : 52.6/30

All: -7.801 ± 1.844 χ^2/NDF : 86.7/61

- sign -2.076 ± 2.664 χ^2/NDF : 25.2/30

diff_bpm4acX_rms vs Slug



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

Left Out: 9271.952+/-2.041 χ^2/NDF :278945.6/13

+ sign 10262.201+/-1.807 χ^2/NDF : 1969162.8/30

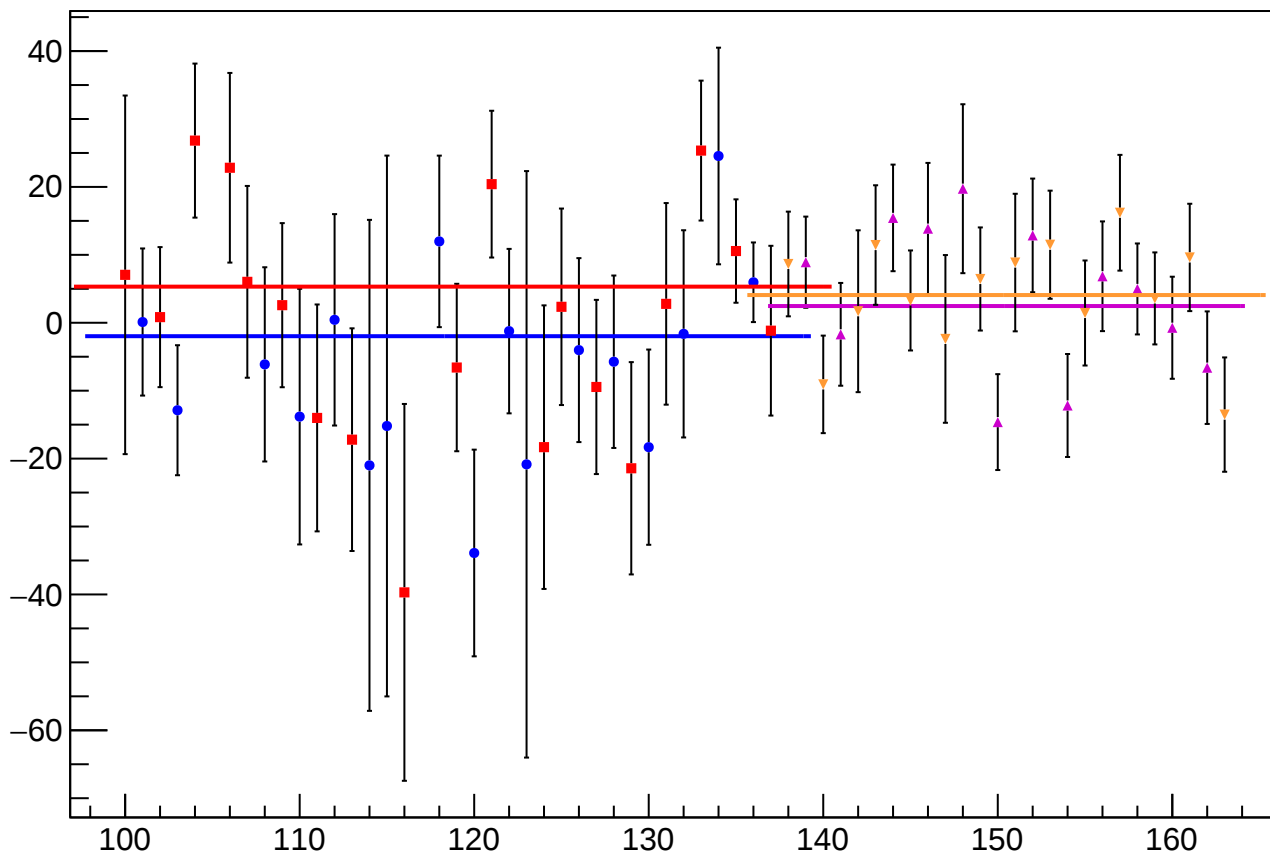
Right Out: 14562.308+/-3.936 χ^2/NDF : 474279.5/18

All: 10410.537+/-1.304 χ^2/NDF : 4011779.1/6

Left In: 9386.121+/-2.145 χ^2/NDF :220863.5/11

- sign 10571.715+/-1.884 χ^2/NDF : 2028556.6/30

diff_bpm4acY_mean vs Slug



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

Left Out: 4.079 ± 2.201 χ^2/NDF : 12.9/13

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

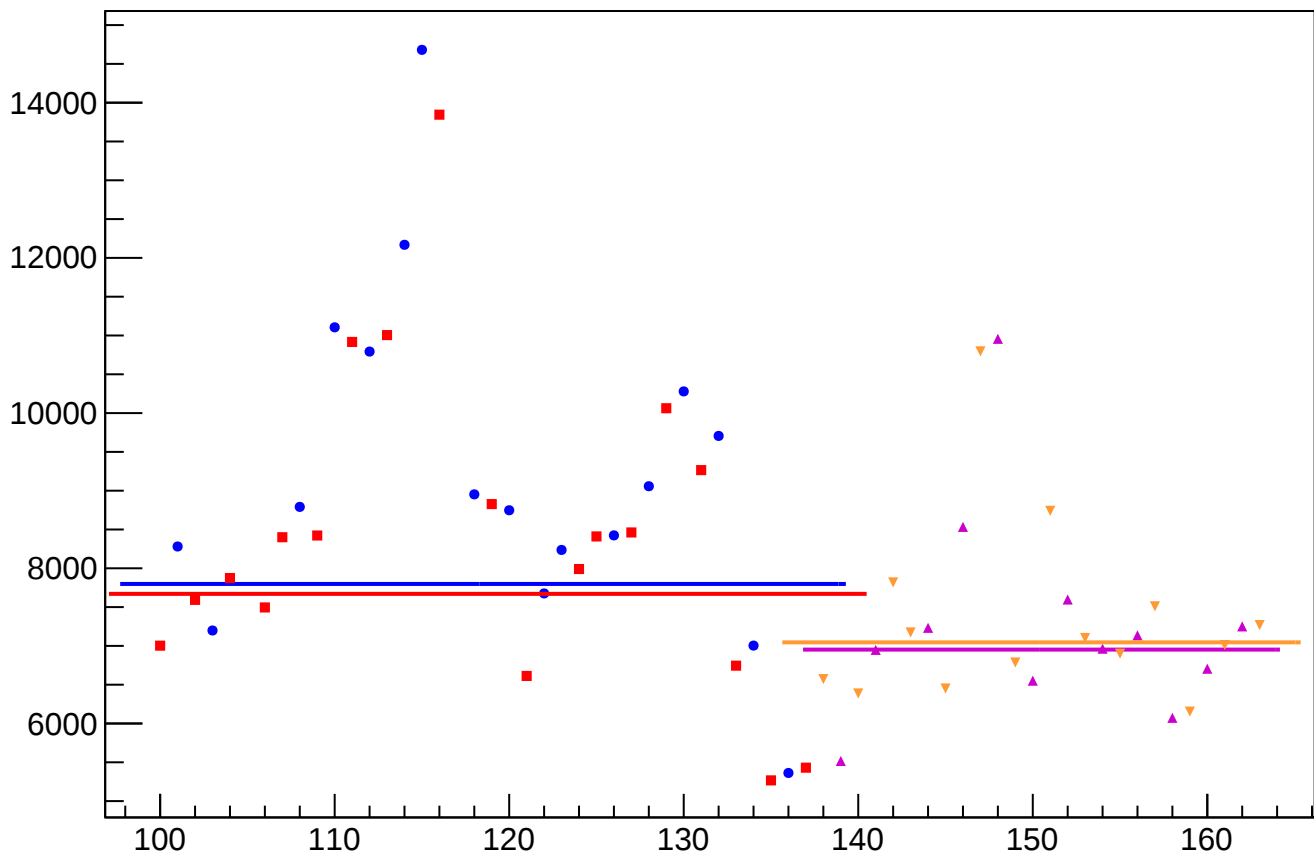
Left In: 2.462 ± 2.266 χ^2/NDF : 20.2/11

+ sign 2.045 ± 1.793 χ^2/NDF : 29.5/30

All: 2.779 ± 1.270 χ^2/NDF : 75.0/61

- sign 3.518 ± 1.799 χ^2/NDF : 45.1/30

diff_bpm4acY_rms vs Slug



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

Left Out: 7045.620+/-1.556 χ^2/NDF :331981.4/13

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

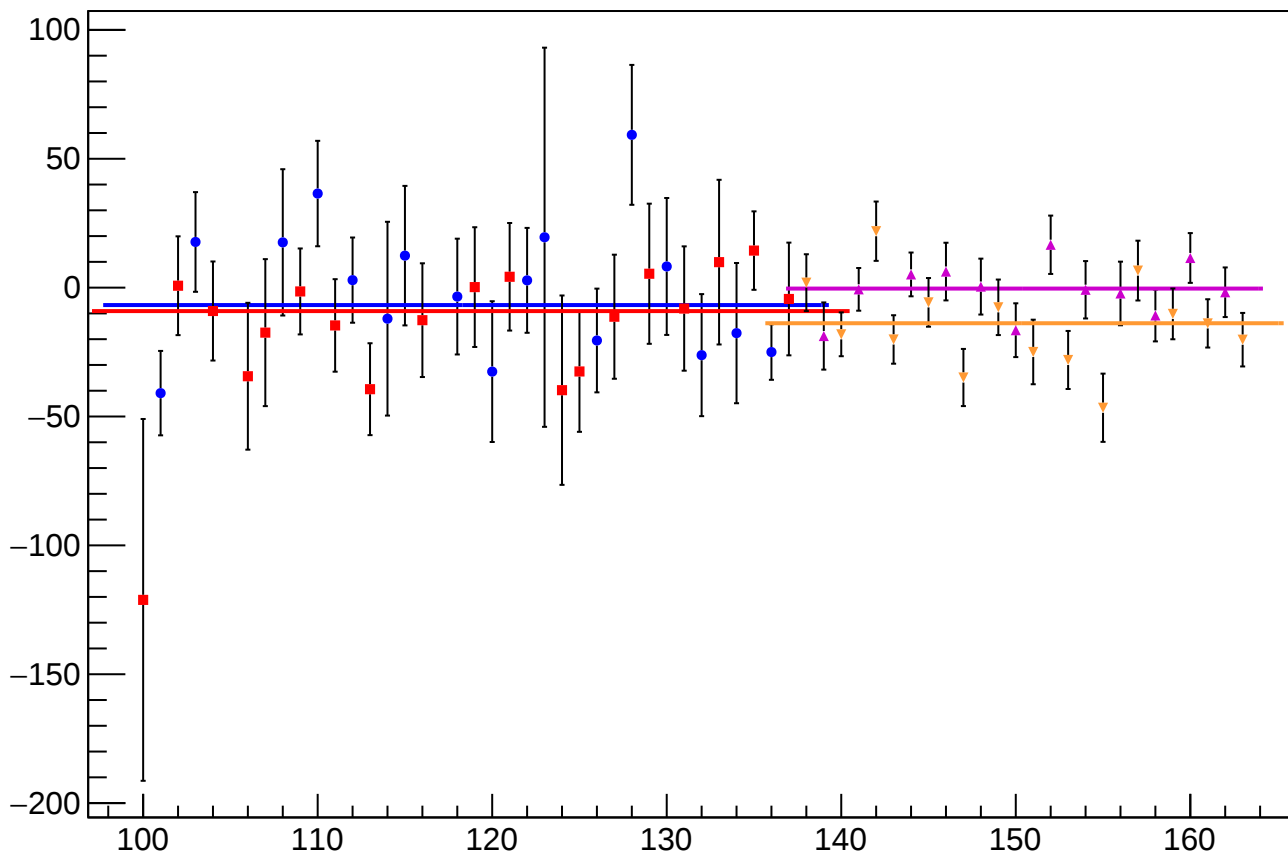
Left In: 6952.312+/-1.602 χ^2/NDF :413441.1/11

+ sign 7298.451+/-1.268 χ^2/NDF : 1146861.6/30

All: 7258.315+/-0.898 χ^2/NDF : 2309298.2/63

- sign 7217.917+/-1.272 χ^2/NDF : 1160426.2/30

diff_bpm4ecX_mean vs Slug



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

Left Out: -13.813 ± 2.803 χ^2/NDF : 29.2/13

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

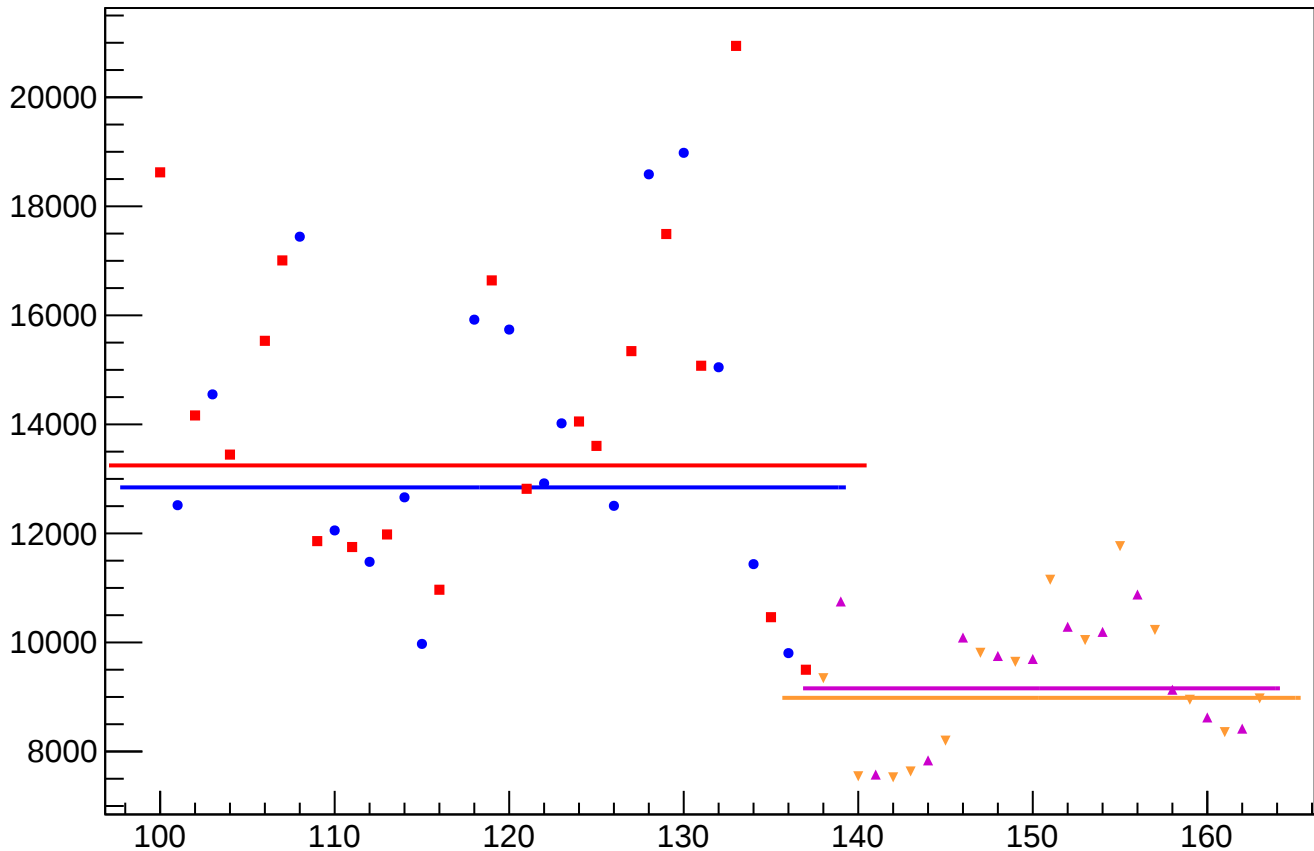
Left In: -0.367 ± 2.964 χ^2/NDF : 10.0/11

+ sign -12.169 ± 2.455 χ^2/NDF : 54.4/30

All: -7.579 ± 1.771 χ^2/NDF : 86.2/61

- sign -2.591 ± 2.559 χ^2/NDF : 24.5/30

diff_bpm4ecX_rms vs Slug



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

Left Out: 8983.919+/-1.982 χ^2/NDF : 363318.7/13

+ sign 9883.643+/-1.736 χ^2/NDF : 1794734.6/30

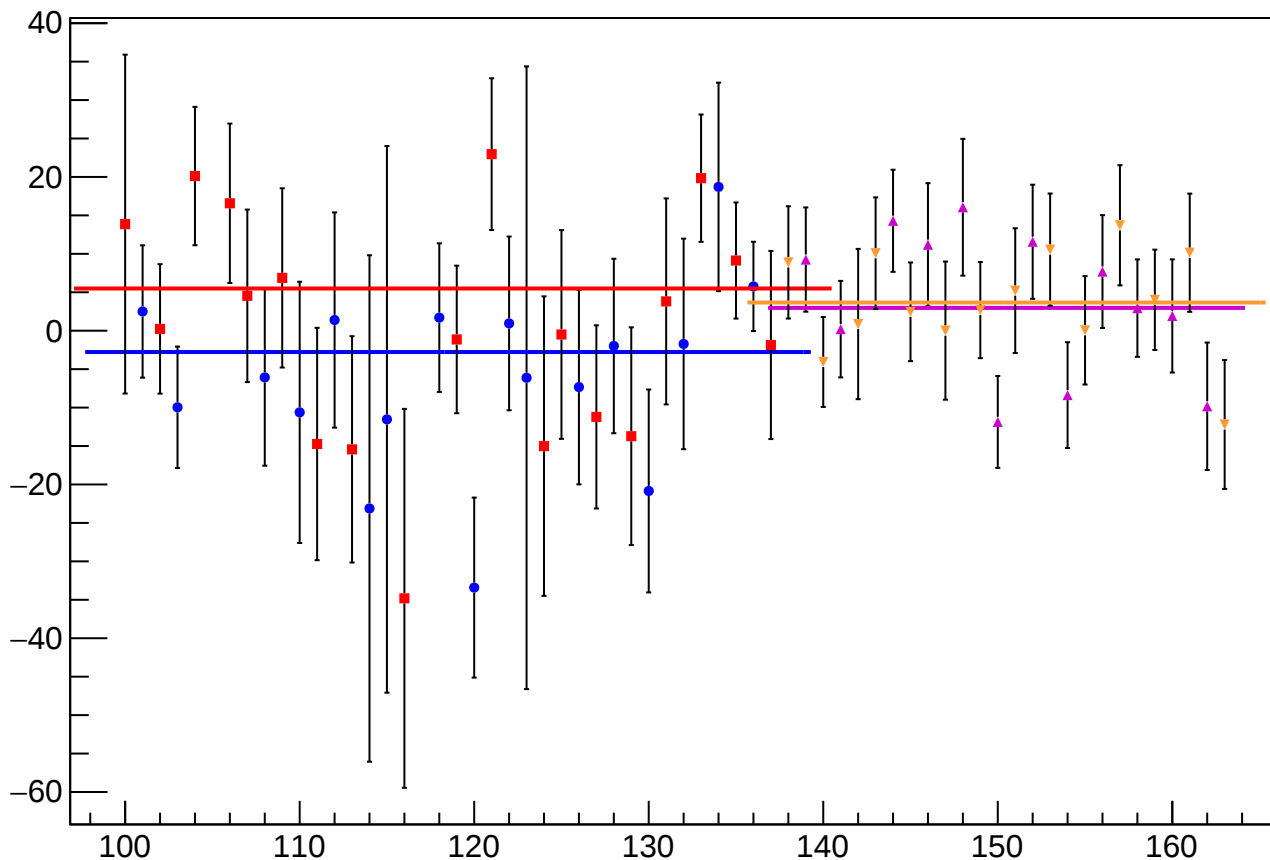
Right Out: 13247.253+/-3.585 χ^2/NDF : 485481.6/18

All: 10035.094+/-1.253 χ^2/NDF : 3536012.5/6

Left In: 9158.209+/-2.096 χ^2/NDF : 270494.8/11

- sign 10199.677+/-1.809 χ^2/NDF : 1725391.4/30

diff_bpm4ecY_mean vs Slug



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

Left Out: 3.670 ± 1.944 χ^2/NDF : 10.5/13

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

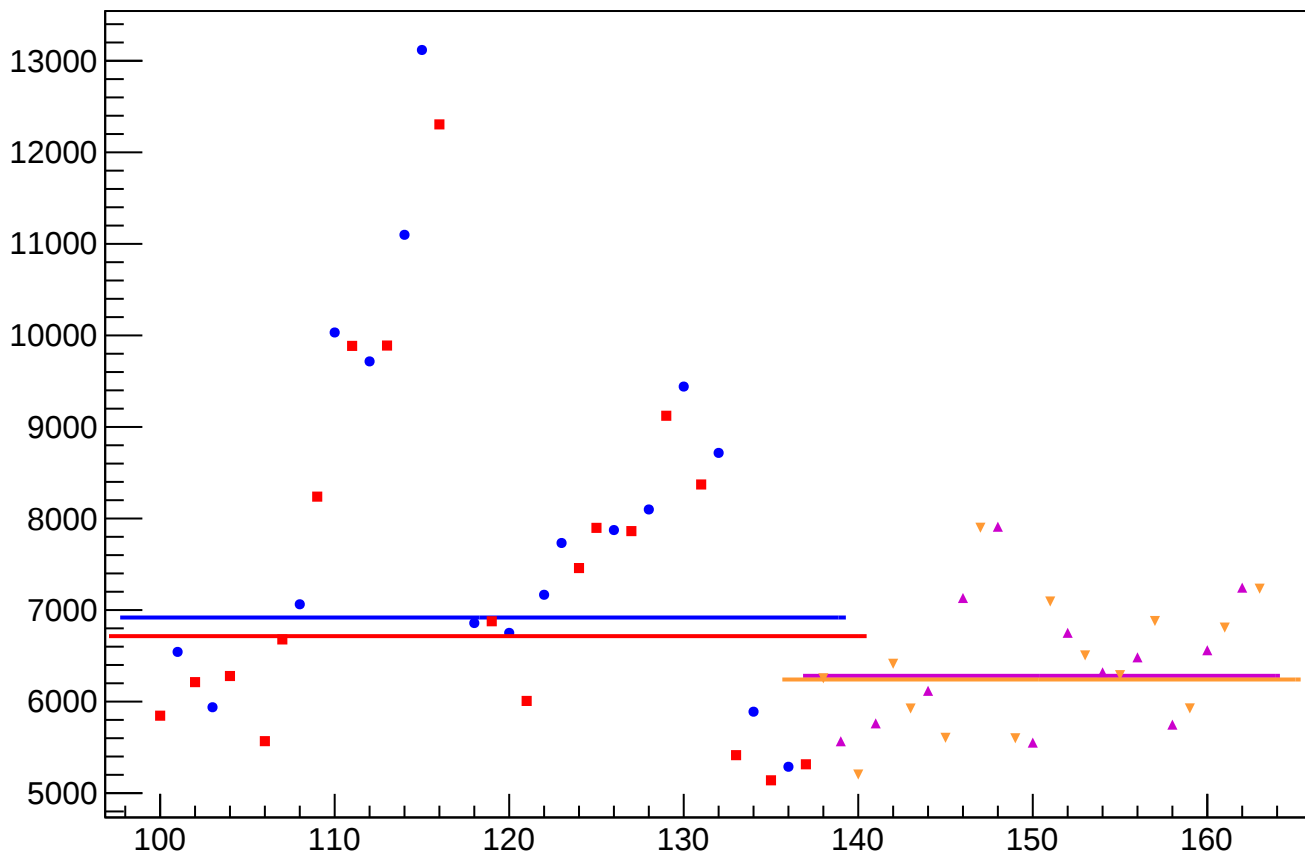
Left In: 2.968 ± 2.034 χ^2/NDF : 20.2/11

+ sign 1.504 ± 1.584 χ^2/NDF : 30.1/30

All: 2.706 ± 1.125 χ^2/NDF : 75.2/61

- sign 3.931 ± 1.599 χ^2/NDF : 44.0/30

diff_bpm4ecY_rms vs Slug



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

Left Out: 6241.270+/-1.374 χ^2/NDF : 257967.3/13

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

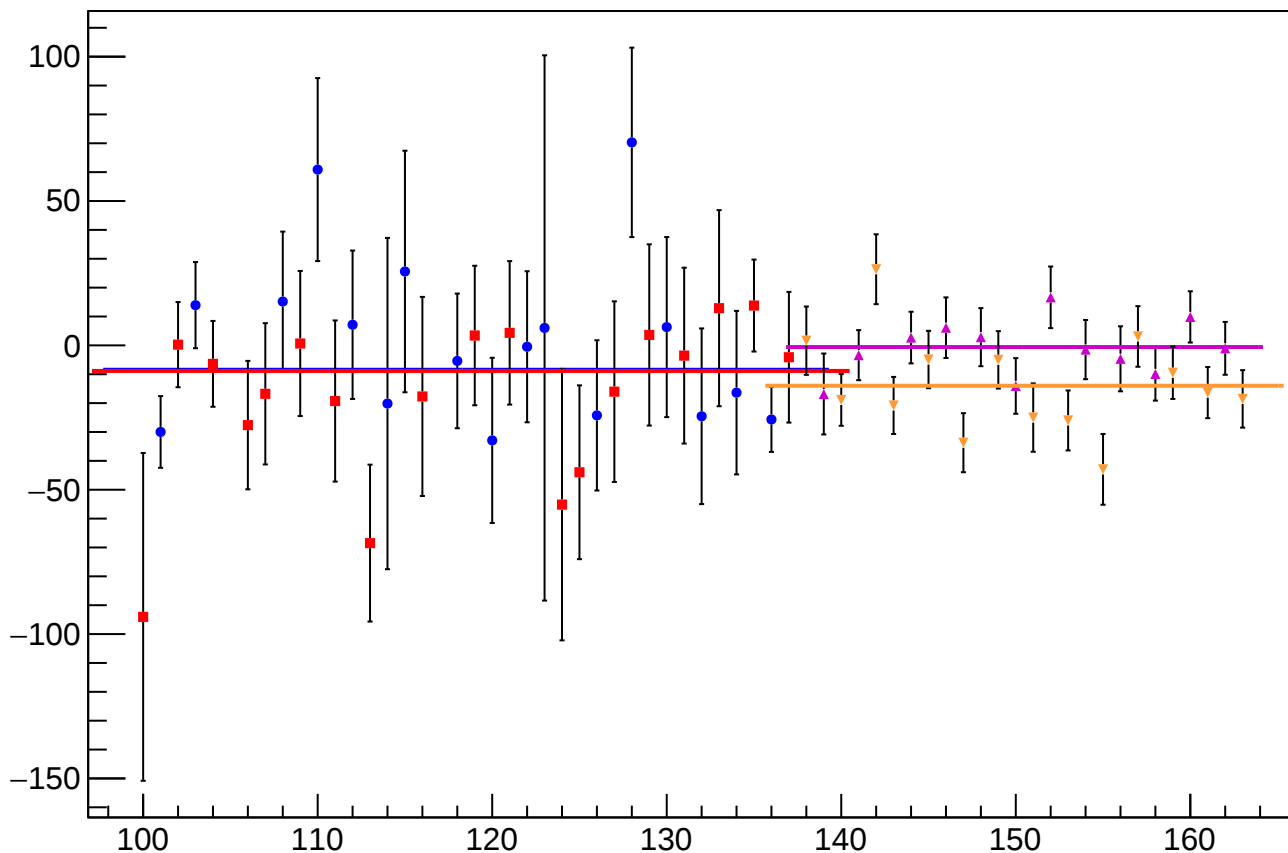
Left In: 6281.499+/-1.438 χ^2/NDF : 210207.3/11

+ sign 6468.862+/-1.120 χ^2/NDF : 926615.9/30

All: 6458.051+/-0.796 χ^2/NDF : 1827729.3/63

- sign 6447.030+/-1.131 χ^2/NDF : 900925.2/30

diff_bpm1X_mean vs Slug



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

Left Out: -13.980 ± 2.736 χ^2/NDF : 30.0/13

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

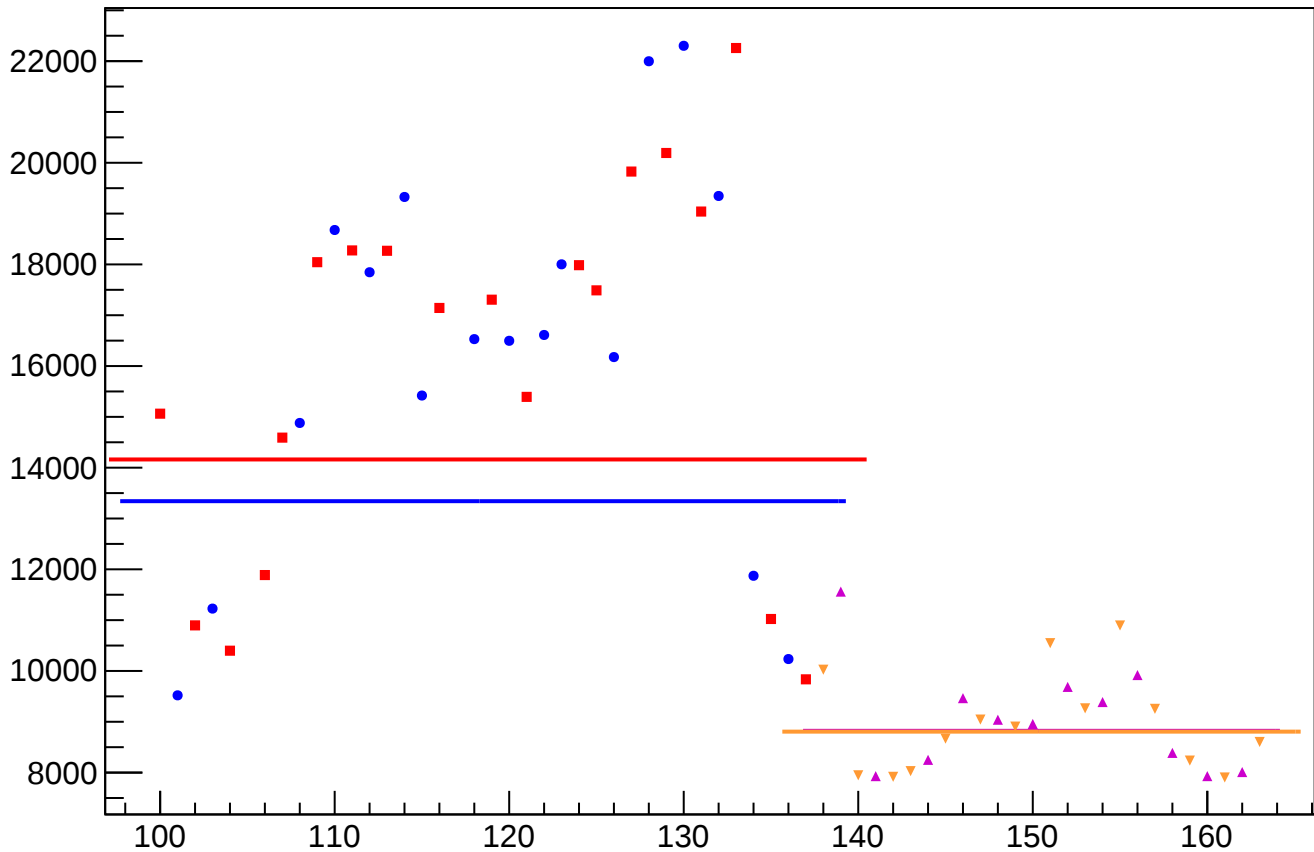
Left In: -0.583 ± 2.850 χ^2/NDF : 9.2/11

+ sign -12.848 ± 2.440 χ^2/NDF : 52.8/30

All: -7.782 ± 1.757 χ^2/NDF : 87.0/61

- sign -2.329 ± 2.531 χ^2/NDF : 25.2/30

diff_bpm1X_rms vs Slug



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

Left Out: 8806.018+/-1.935 χ^2/NDF : 202748.7/13

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

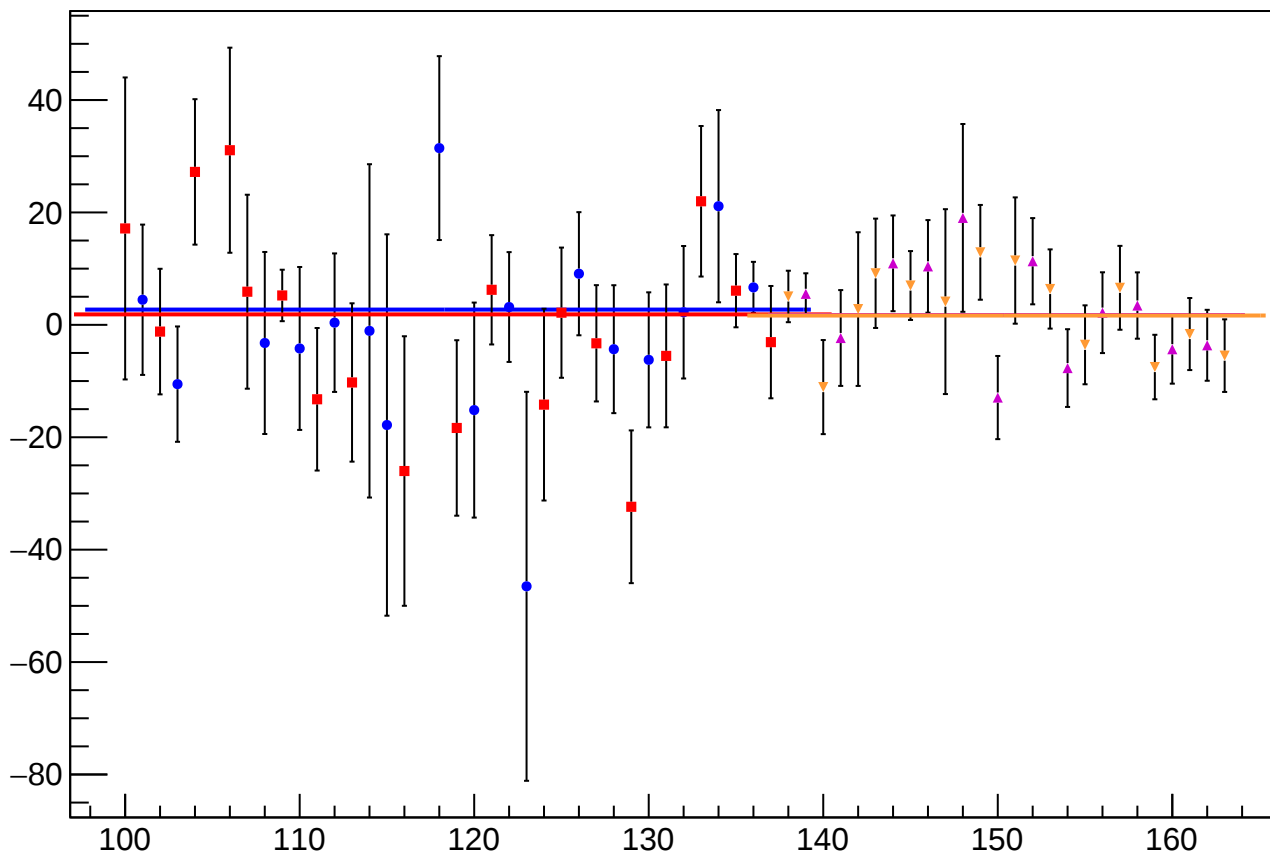
Left In: 8821.777+/-2.015 χ^2/NDF : 193052.8/11

+ sign 9734.271+/-1.725 χ^2/NDF : 2372077.3/30

All: 9837.872+/-1.242 χ^2/NDF : 4987144.0/63

- sign 9949.371+/-1.790 χ^2/NDF : 2607580.0/30

diff_bpm1Y_mean vs Slug



Right In: 2.717 ± 2.752 $\chi^2/\text{NDF}: 11.6/16$

Left Out: 1.661 ± 1.934 $\chi^2/\text{NDF}: 12.3/13$

Right Out: 1.861 ± 2.439 $\chi^2/\text{NDF}: 23.5/18$

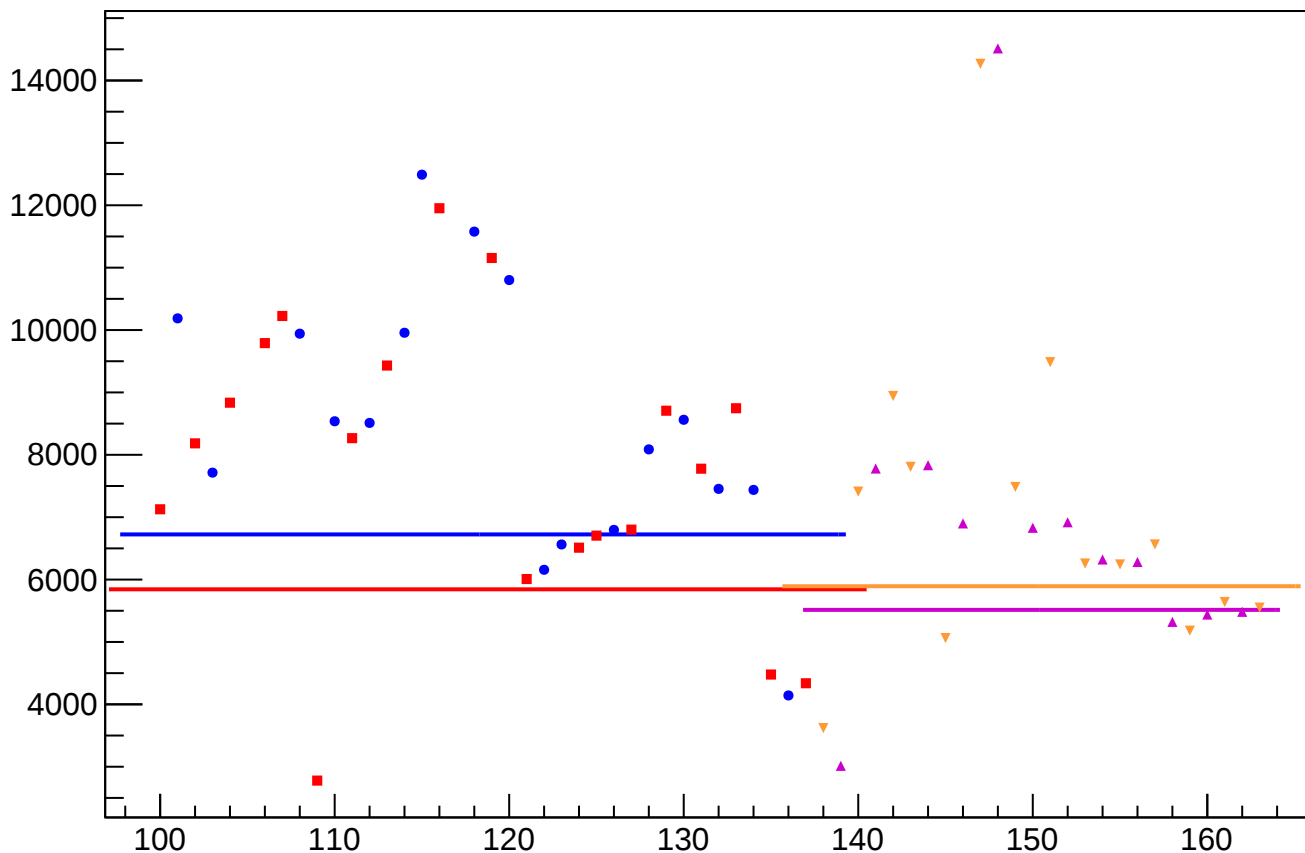
Left In: 1.742 ± 1.901 $\chi^2/\text{NDF}: 13.8/11$

+ sign 2.010 ± 1.583 $\chi^2/\text{NDF}: 24.0/30$

All: 1.893 ± 1.088 $\chi^2/\text{NDF}: 61.3/61$

- sign 1.787 ± 1.499 $\chi^2/\text{NDF}: 37.3/30$

diff_bpm1Y_rms vs Slug



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

Left Out: 5893.113+/-1.368 χ^2/NDF : 1632790.0/13

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

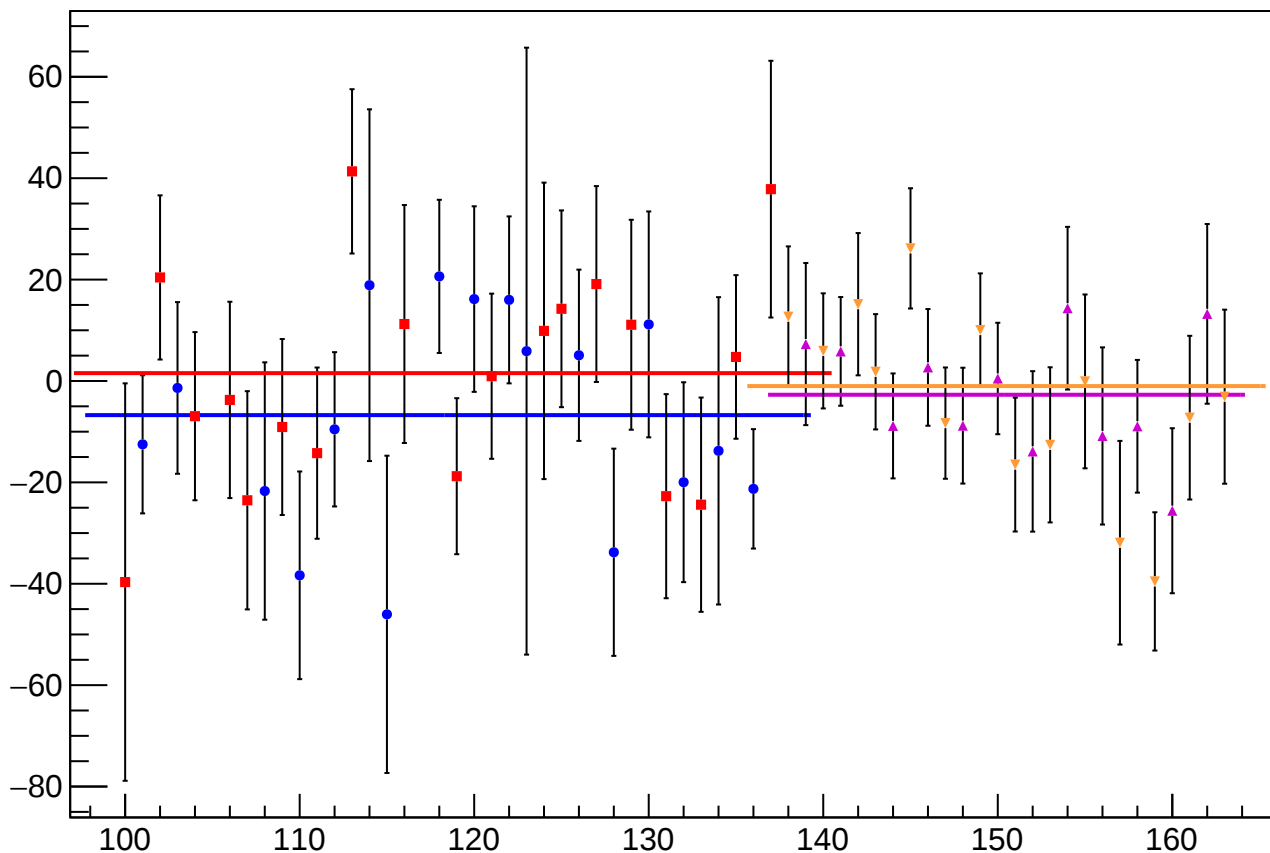
Left In: 5514.496+/-1.344 χ^2/NDF : 2044960.1/11

+ sign 6167.822+/-1.119 χ^2/NDF : 3146847.5/30

All: 5889.123+/-0.770 χ^2/NDF : 7609419.4/63

- sign 5638.962+/-1.060 χ^2/NDF : 4344869.6/30

diff_bpm11X_mean vs Slug



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

Left Out: -1.009 ± 3.588 χ^2/NDF : 21.9/13

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

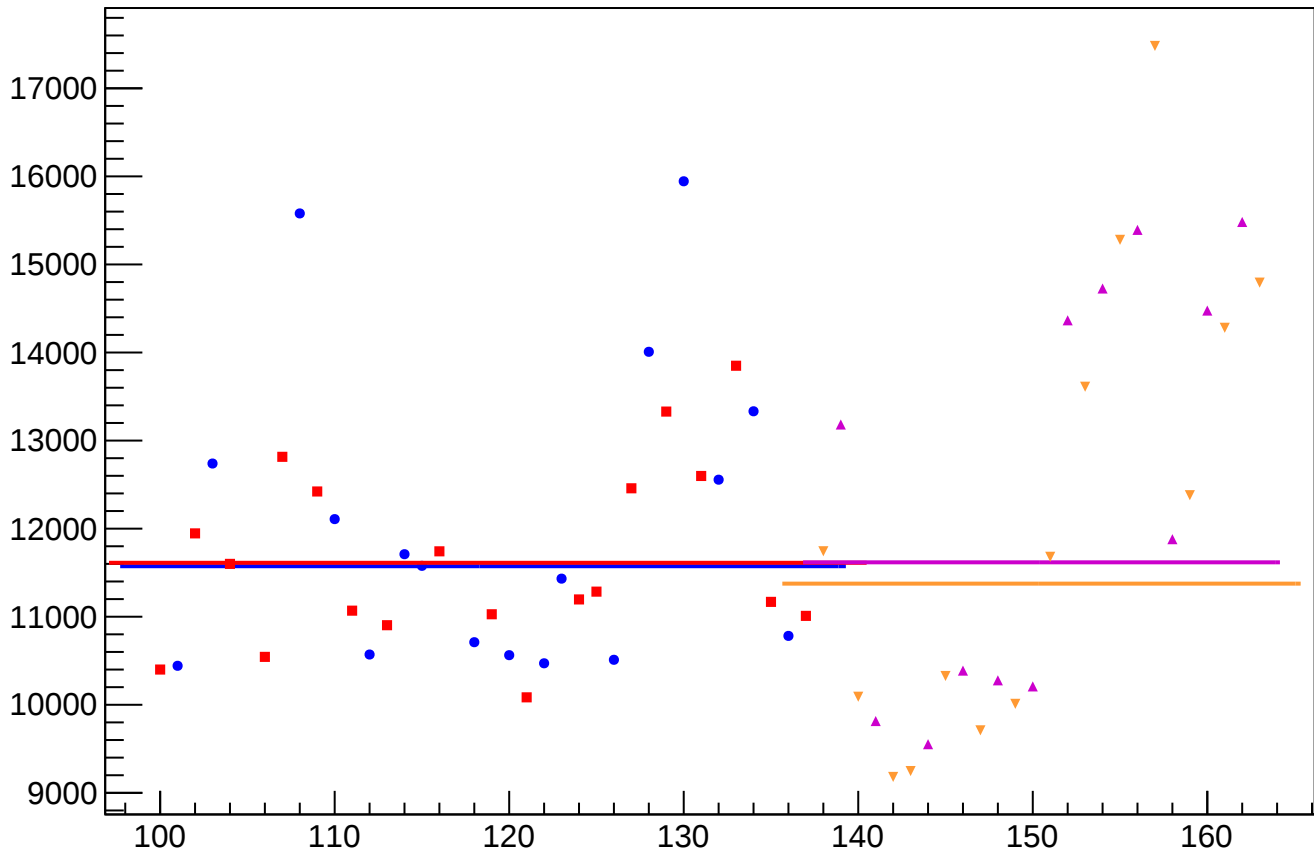
Left In: -2.718 ± 3.797 χ^2/NDF : 6.8/11

+ sign -3.227 ± 2.808 χ^2/NDF : 39.7/30

All: -2.079 ± 2.006 χ^2/NDF : 67.4/61

- sign -0.884 ± 2.867 χ^2/NDF : 27.3/30

diff_bpm11X_rms vs Slug



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

Left Out: 11375.662+/-2.537 χ^2/NDF : 724644.8/13

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

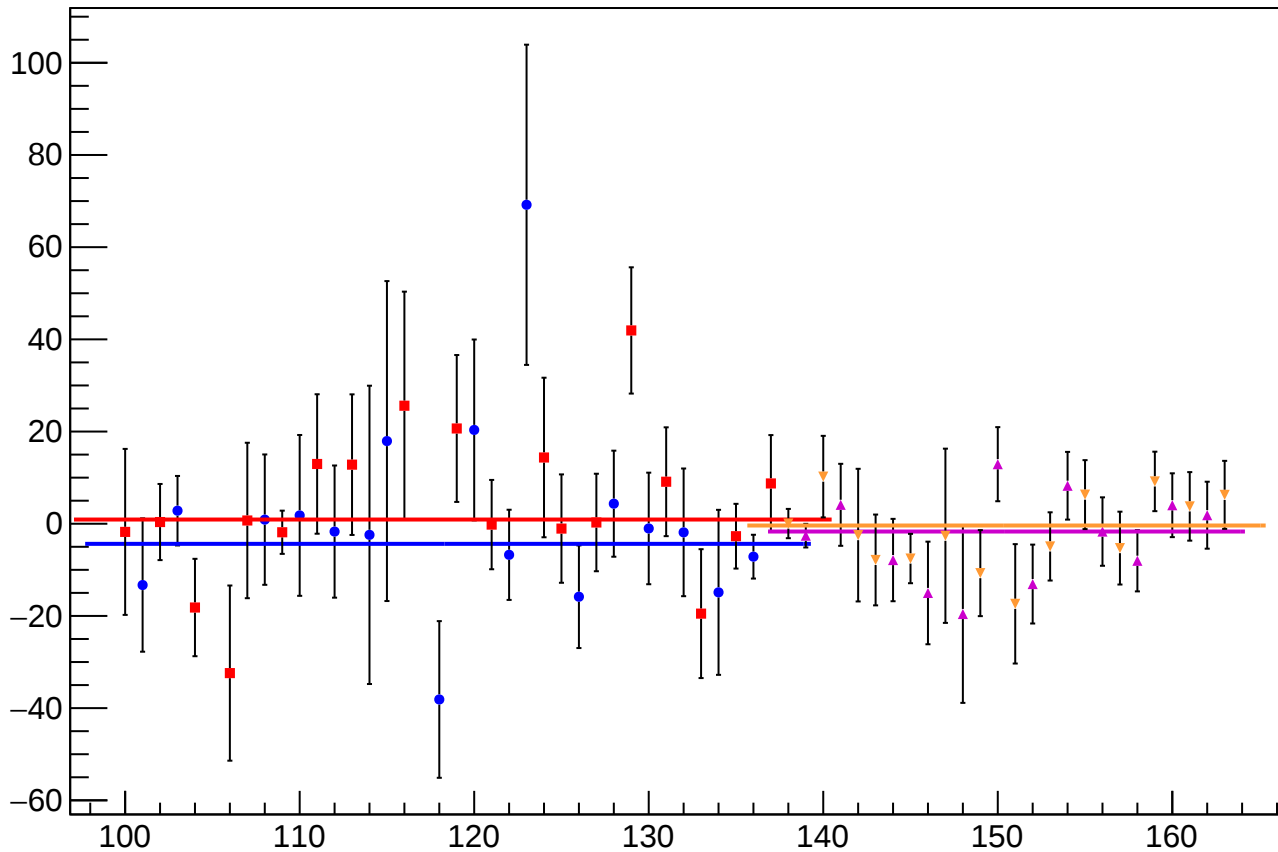
Left In: 11617.578+/-2.685 χ^2/NDF : 624769.0/11

+ sign 11452.278+/-1.986 χ^2/NDF : 965734.3/30

All: 11532.104+/-1.419 χ^2/NDF : 1688112.3/6

- sign 11615.274+/-2.027 χ^2/NDF : 719078.8/30

diff_bpm11Y_mean vs Slug



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

Left Out: -0.383 ± 1.842 χ^2/NDF : 11.7/13

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

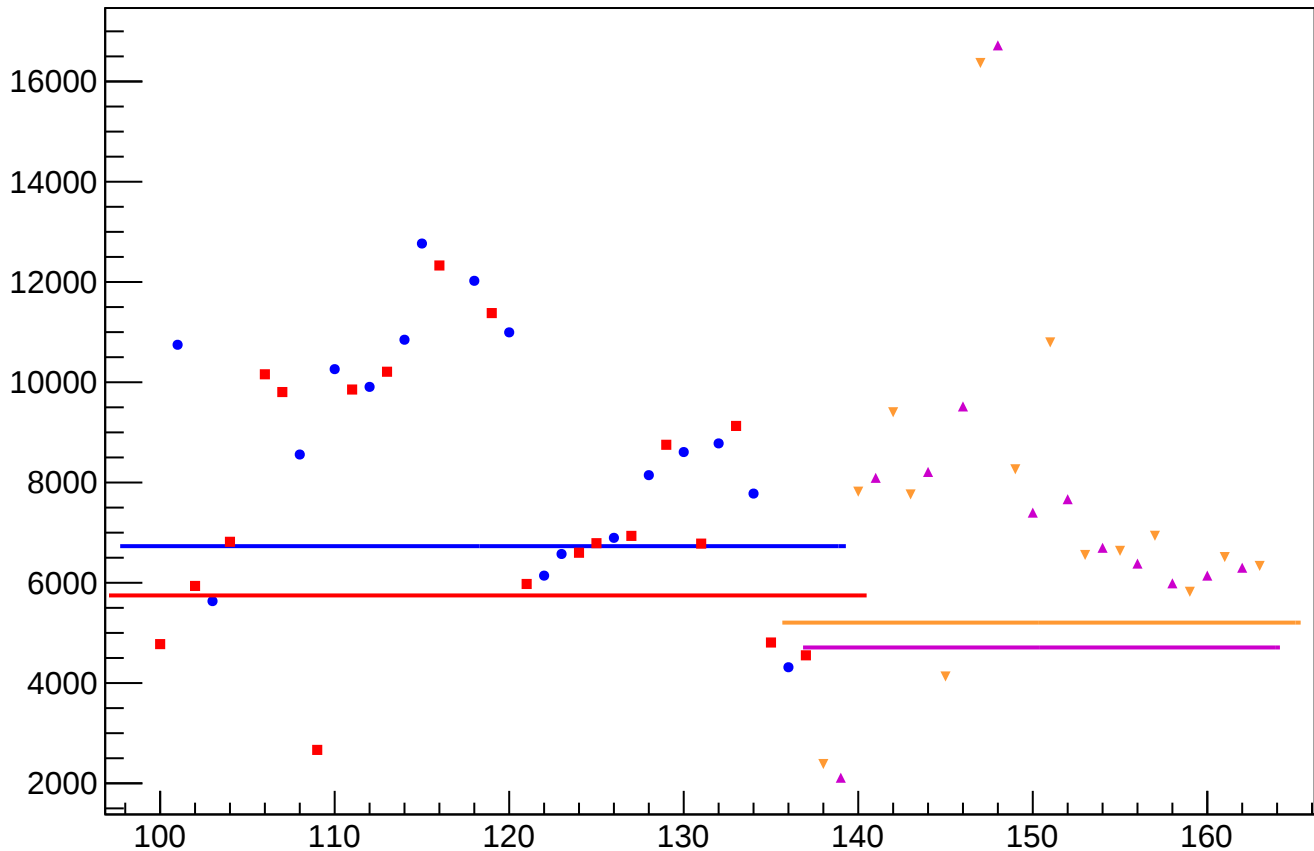
Left In: -1.689 ± 1.777 χ^2/NDF : 12.1/11

+ sign -1.599 ± 1.535 χ^2/NDF : 27.6/30

All: -1.161 ± 1.048 χ^2/NDF : 64.1/61

- sign -0.780 ± 1.434 χ^2/NDF : 36.3/30

diff_bpm11Y_rms vs Slug



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

Left Out: 5205.625+/-1.302 χ^2/NDF : 3783924.8/13

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

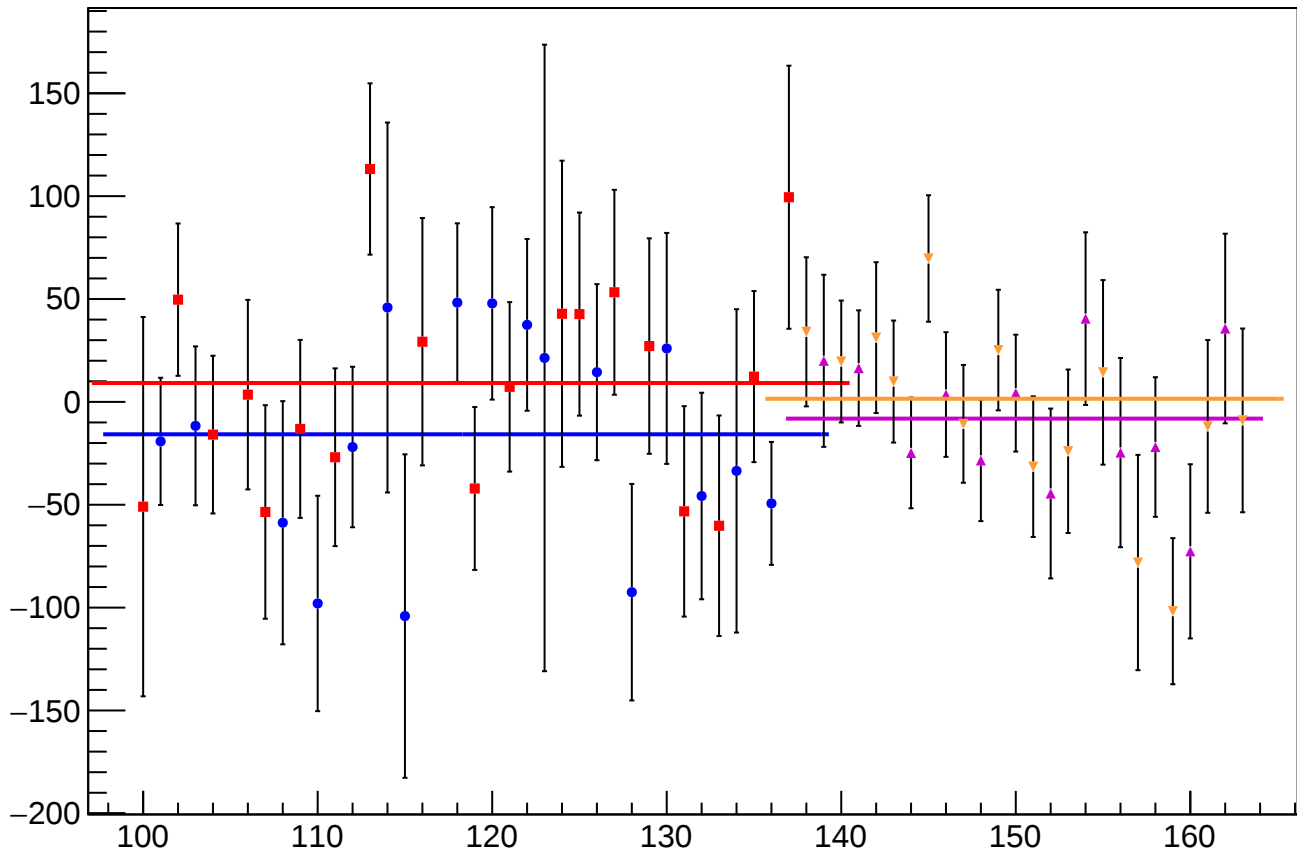
Left In: 4709.796+/-1.257 χ^2/NDF : 4771345.3/11

+ sign 5671.774+/-1.085 χ^2/NDF : 5648230.0/30

All: 5351.535+/-0.741 χ^2/NDF : 12983031.1/6

- sign 5072.173+/-1.014 χ^2/NDF : 7171789.9/30

diff_bpm12X_mean vs Slug



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

Left Out: 1.517 ± 9.350 χ^2/NDF : 20.0/13

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

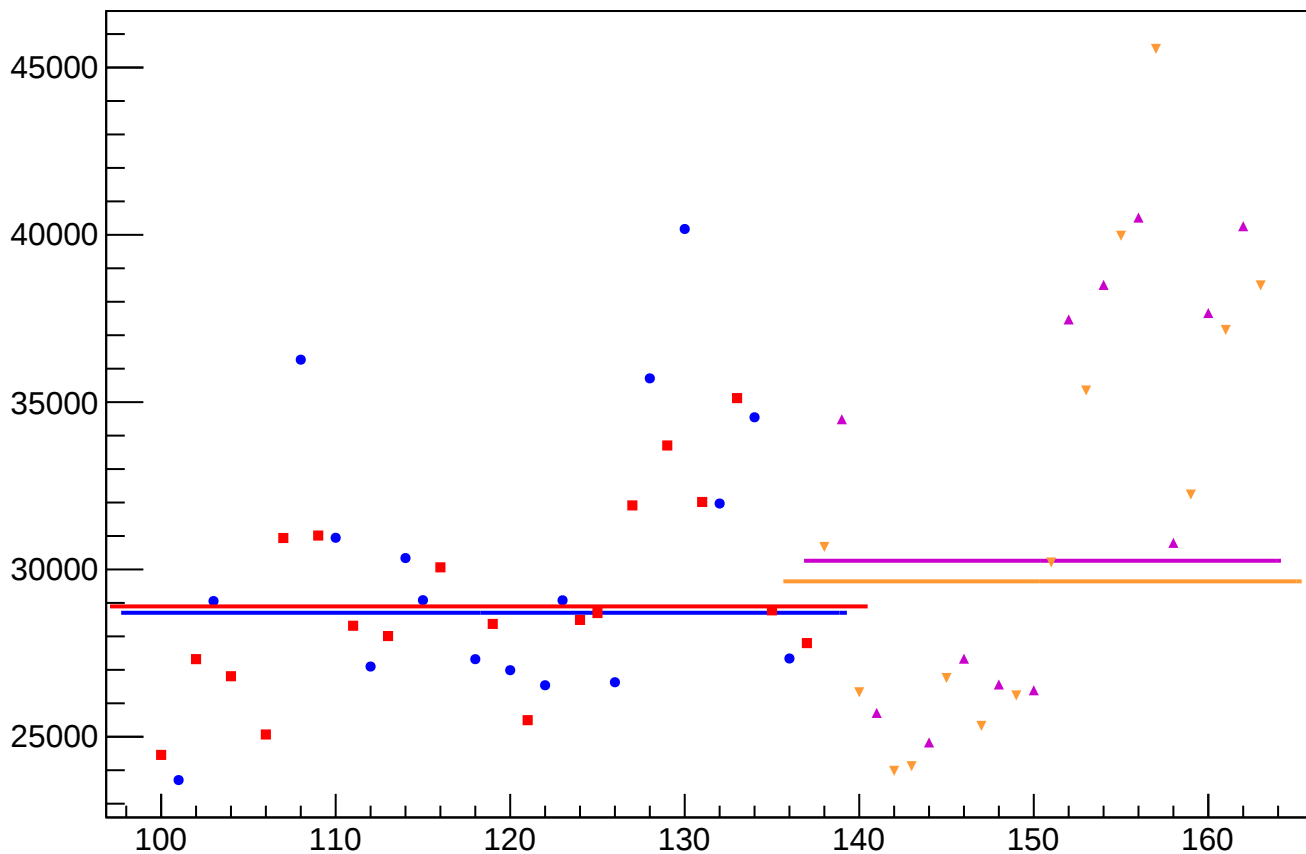
Left In: -8.131 ± 9.892 χ^2/NDF : 8.0/11

+ sign -5.569 ± 7.180 χ^2/NDF : 37.3/30

All: -2.989 ± 5.126 χ^2/NDF : 66.3/61

- sign -0.305 ± 7.322 χ^2/NDF : 28.7/30

diff_bpm12X_rms vs Slug



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

Left Out: 29644.819+/-6.612 χ^2/NDF : 719858.5/13

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

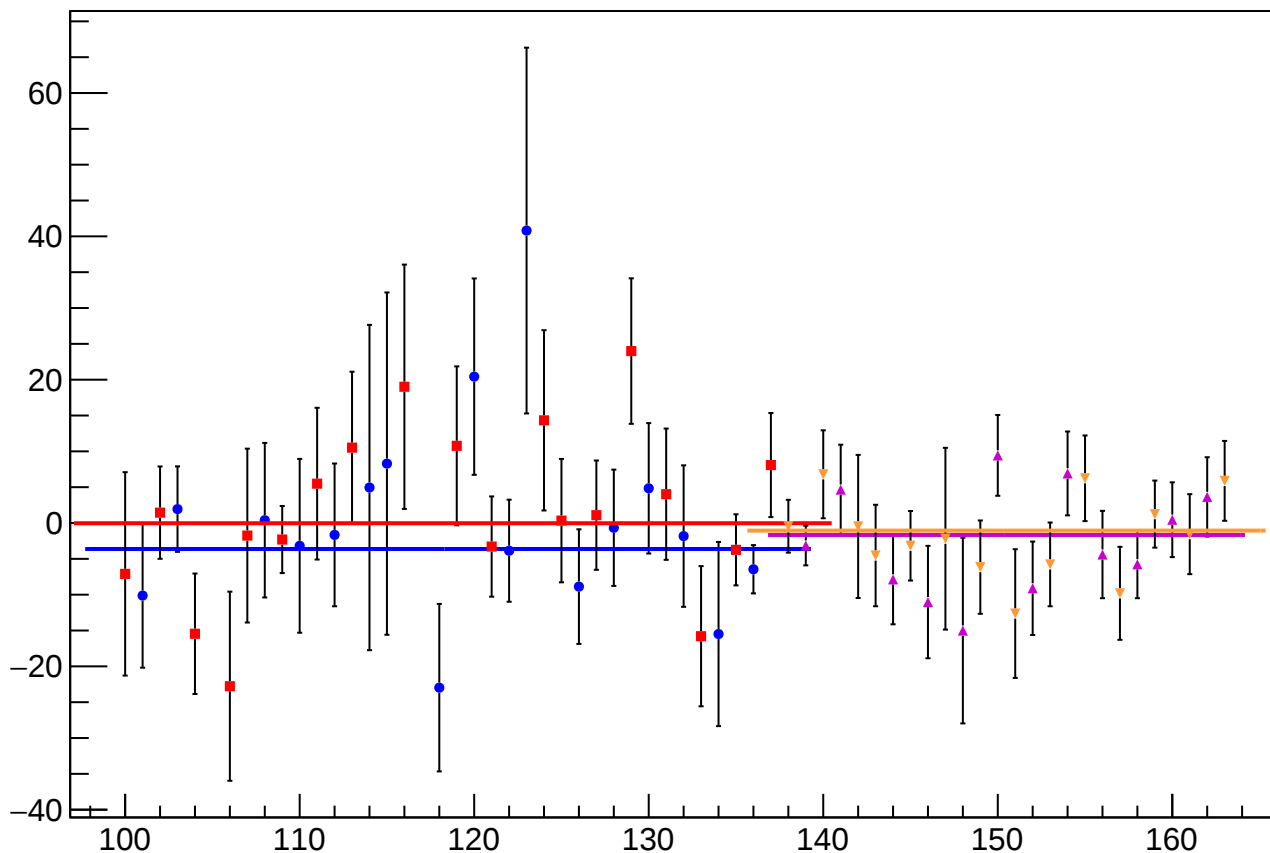
Left In: 30259.928+/-6.995 χ^2/NDF : 634886.5/11

+ sign 29259.353+/-5.077 χ^2/NDF : 979133.0/30

All: 29447.450+/-3.625 χ^2/NDF : 1745235.5/6

- sign 29643.064+/-5.177 χ^2/NDF : 763302.3/30

diff_bpm12Y_mean vs Slug



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

Left Out: -1.056 ± 1.570 χ^2/NDF : 10.1/13

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

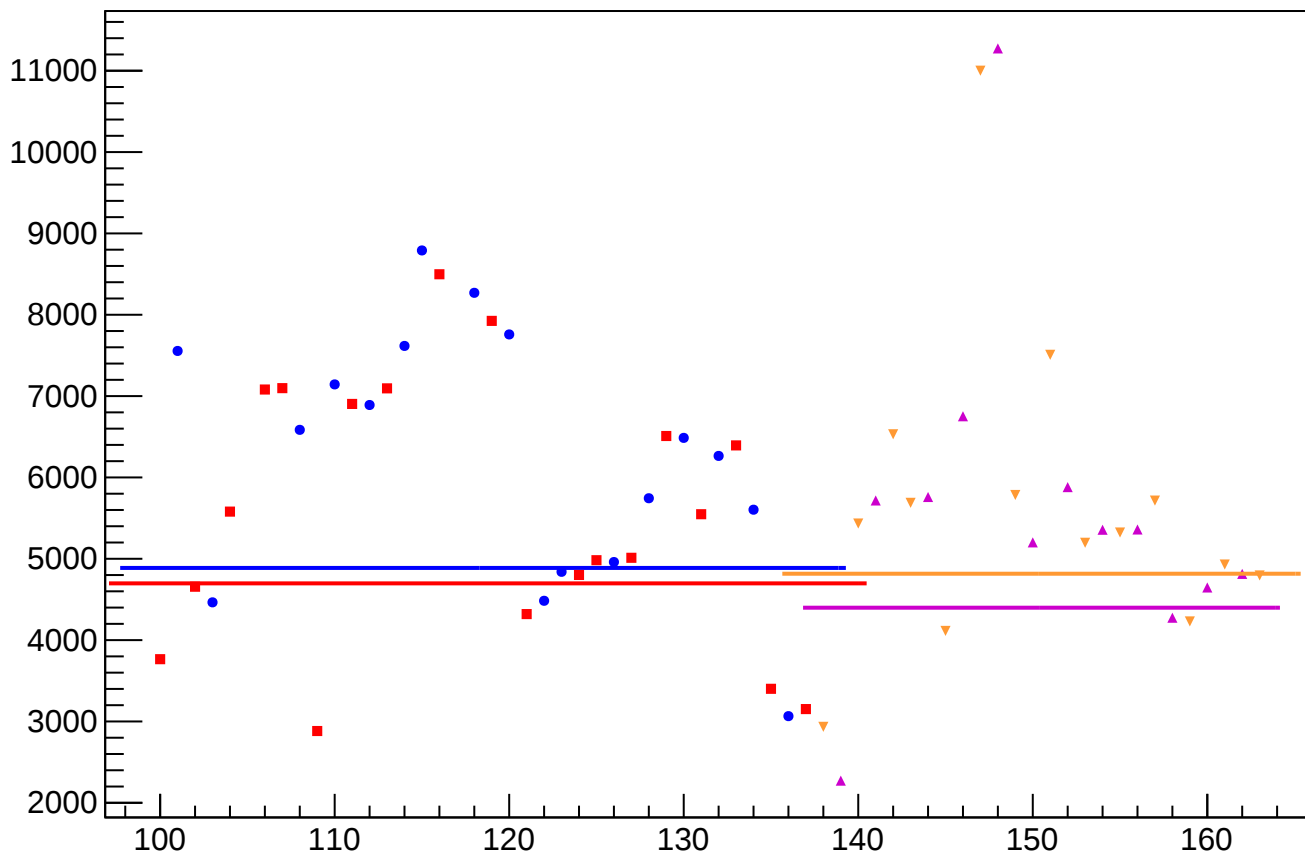
Left In: -1.667 ± 1.526 χ^2/NDF : 14.1/11

+ sign -2.031 ± 1.236 χ^2/NDF : 24.9/30

All: -1.505 ± 0.856 χ^2/NDF : 62.0/61

- sign -1.020 ± 1.187 χ^2/NDF : 36.7/30

diff_bpm12Y_rms vs Slug



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

Left Out: 4816.263 $\pm$ 1.110 χ^2 /NDF:1466669.1/13

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

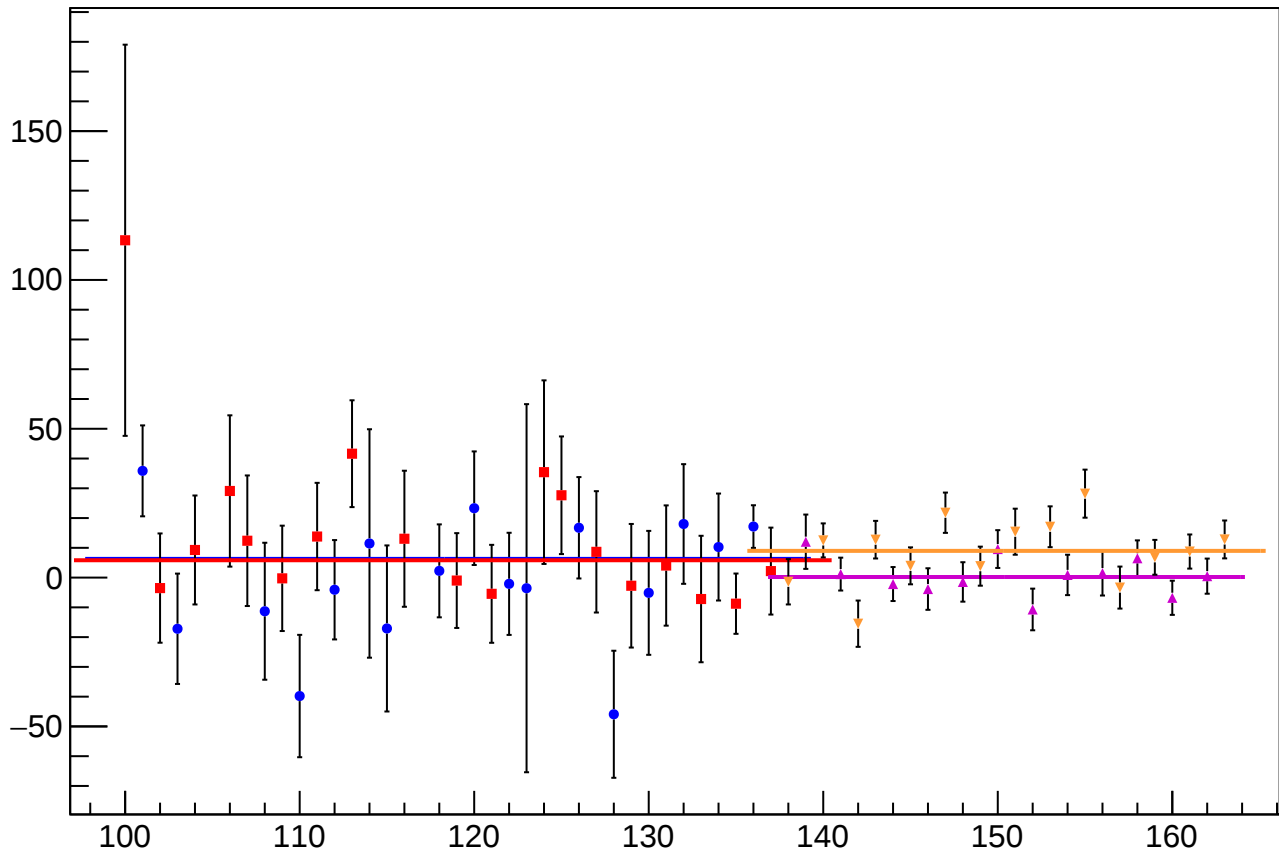
Left In: 4398.517 $\pm$ 1.079 χ^2 /NDF:2376921.8/11

+ sign 4843.319 $\pm$ 0.874 χ^2 /NDF: 2877531.0/30

All: 4673.371 $\pm$ 0.605 χ^2 /NDF: 6670596.1/63

- sign 4516.595 $\pm$ 0.840 χ^2 /NDF: 3720388.3/30

diff_bpm16X_mean vs Slug



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

Left Out: 8.977 ± 1.773 χ^2/NDF : 28.7/13

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

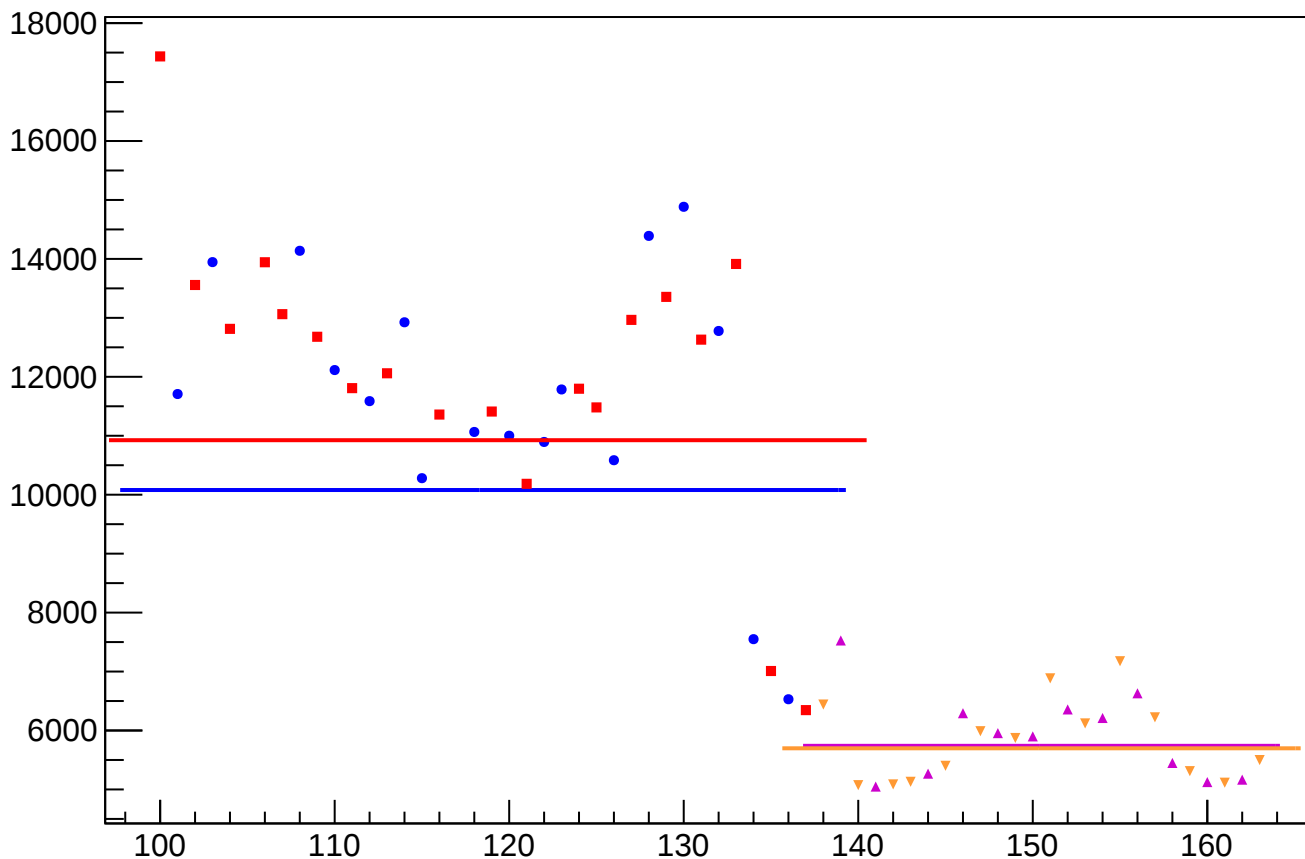
Left In: 0.200 ± 1.856 χ^2/NDF : 9.5/11

+ sign 8.547 ± 1.625 χ^2/NDF : 51.6/30

All: 4.996 ± 1.174 χ^2/NDF : 86.4/61

- sign 1.113 ± 1.699 χ^2/NDF : 24.8/30

diff_bpm16X_rms vs Slug



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

Left Out: 5697.923+/-1.253 χ^2/NDF : 245391.8/13

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

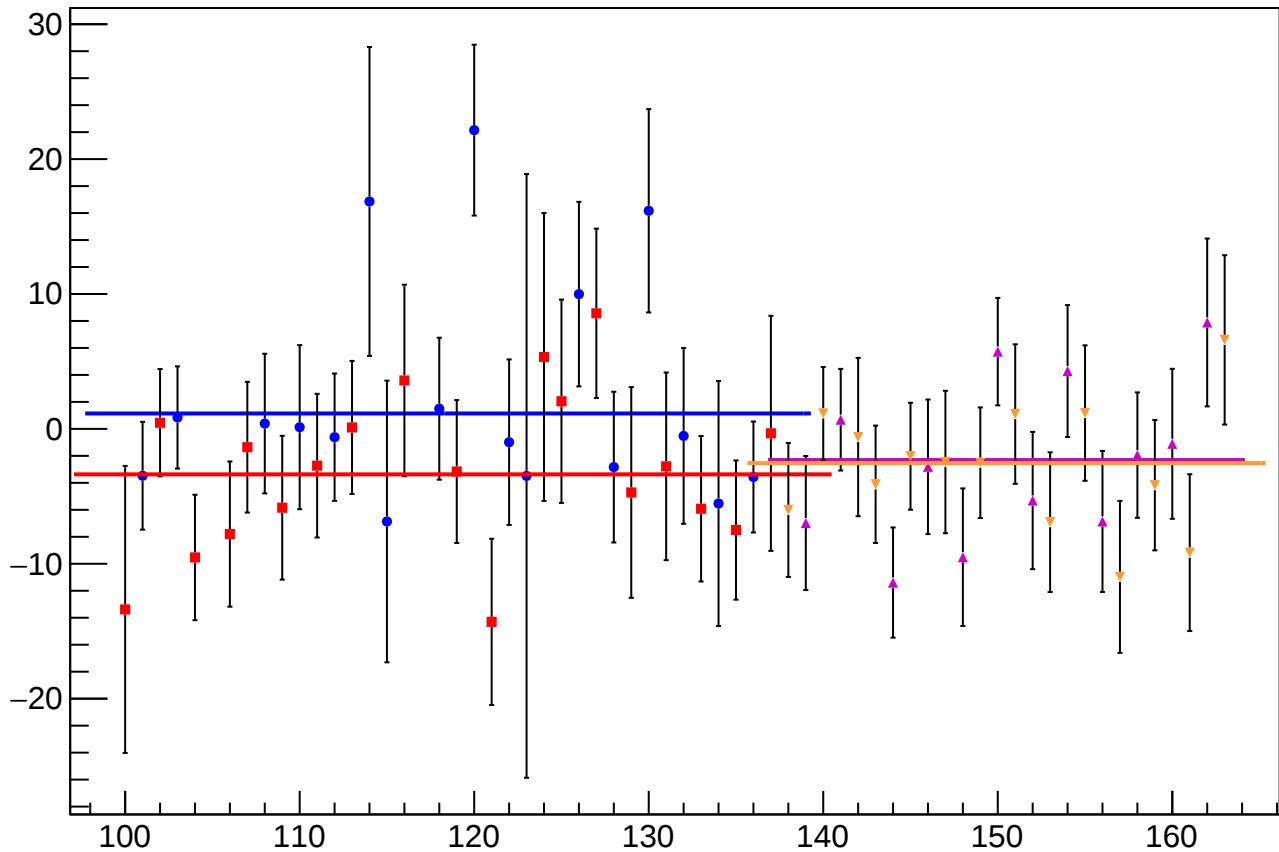
Left In: 5739.840+/-1.313 χ^2/NDF : 237545.2/11

+ sign 6398.279+/-1.149 χ^2/NDF : 3193098.7/30

All: 6485.416+/-0.830 χ^2/NDF : 6741543.8/63

- sign 6580.697+/-1.201 χ^2/NDF : 3536403.9/30

diff_bpm16Y_mean vs Slug



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

Left Out: -2.537 ± 1.281 χ^2/NDF : 9.4/13

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

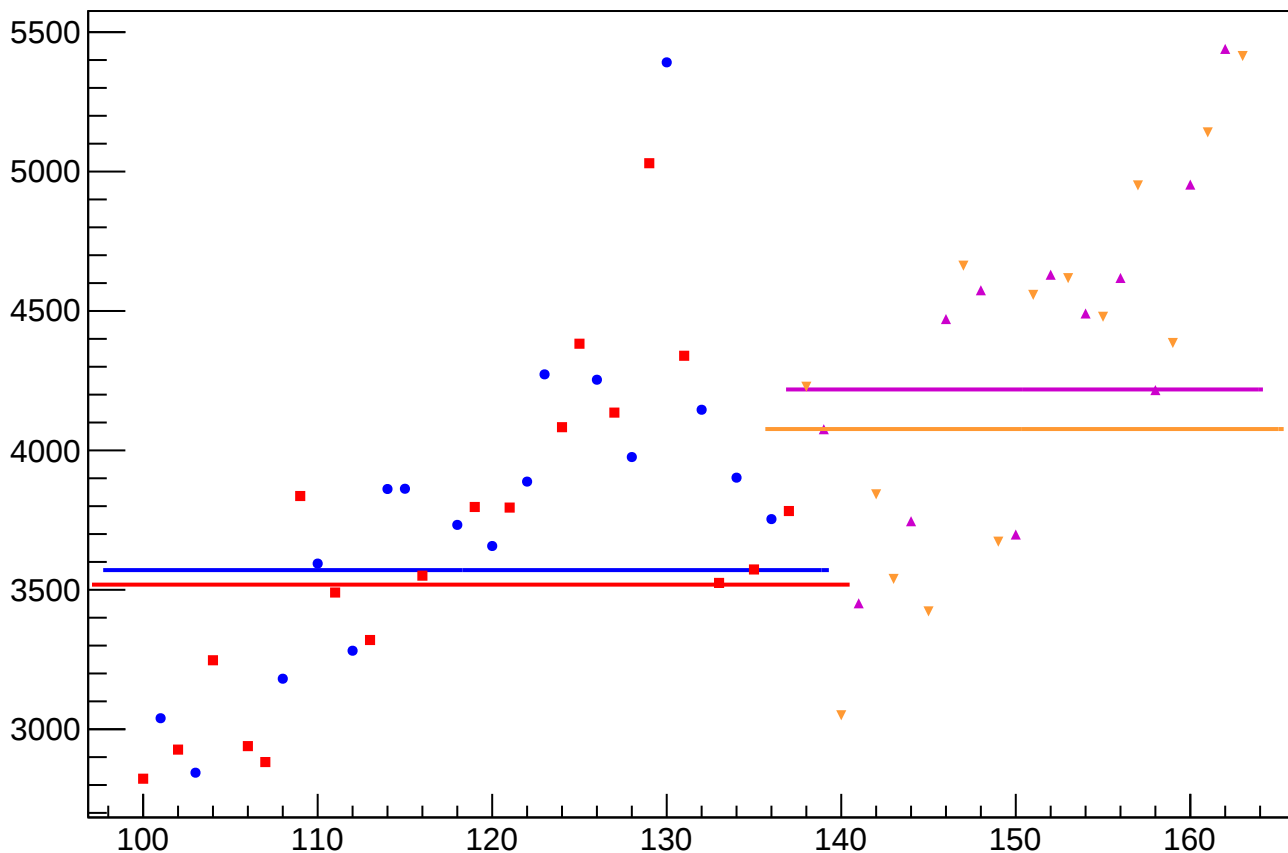
Left In: -2.311 ± 1.368 χ^2/NDF : 18.2/11

+ sign -0.854 ± 0.944 χ^2/NDF : 36.4/30

All: -1.842 ± 0.671 χ^2/NDF : 72.2/61

- sign -2.855 ± 0.955 χ^2/NDF : 33.6/30

diff_bpm16Y_rms vs Slug



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

Left Out: 4076.604 ± 0.906 $\chi^2/\text{NDF}: 578093.6/13$

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

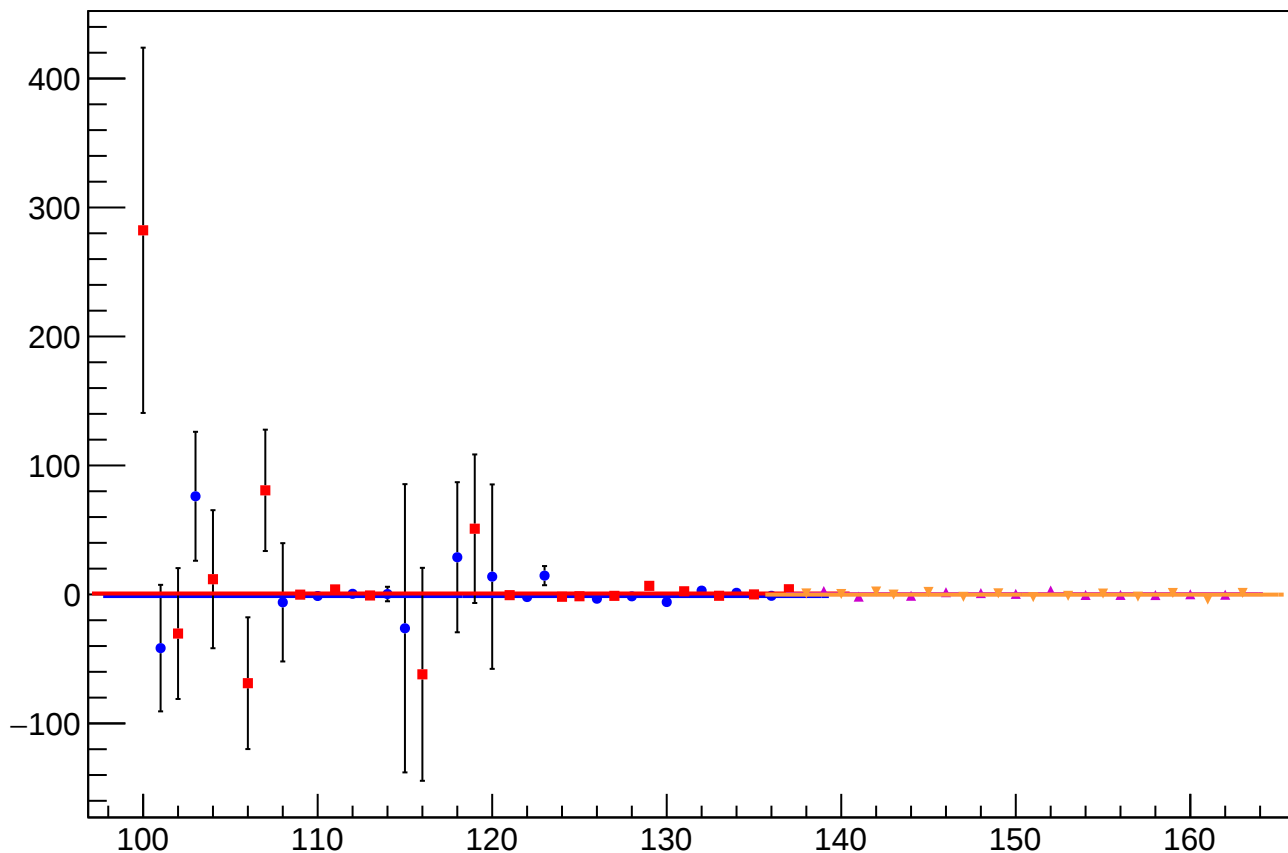
Left In: 4218.536 ± 0.968 $\chi^2/\text{NDF}: 303208.9/11$

+ sign 3845.203 ± 0.667 $\chi^2/\text{NDF}: 1030338.3/30$

All: 3852.228 ± 0.475 $\chi^2/\text{NDF}: 1895422.0/63$

- sign 3859.422 ± 0.675 $\chi^2/\text{NDF}: 864859.3/30$

diff_bpm1p02bX_mean vs Slug



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

Left Out: -0.136 ± 0.327 χ^2/NDF : 26.5/13

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

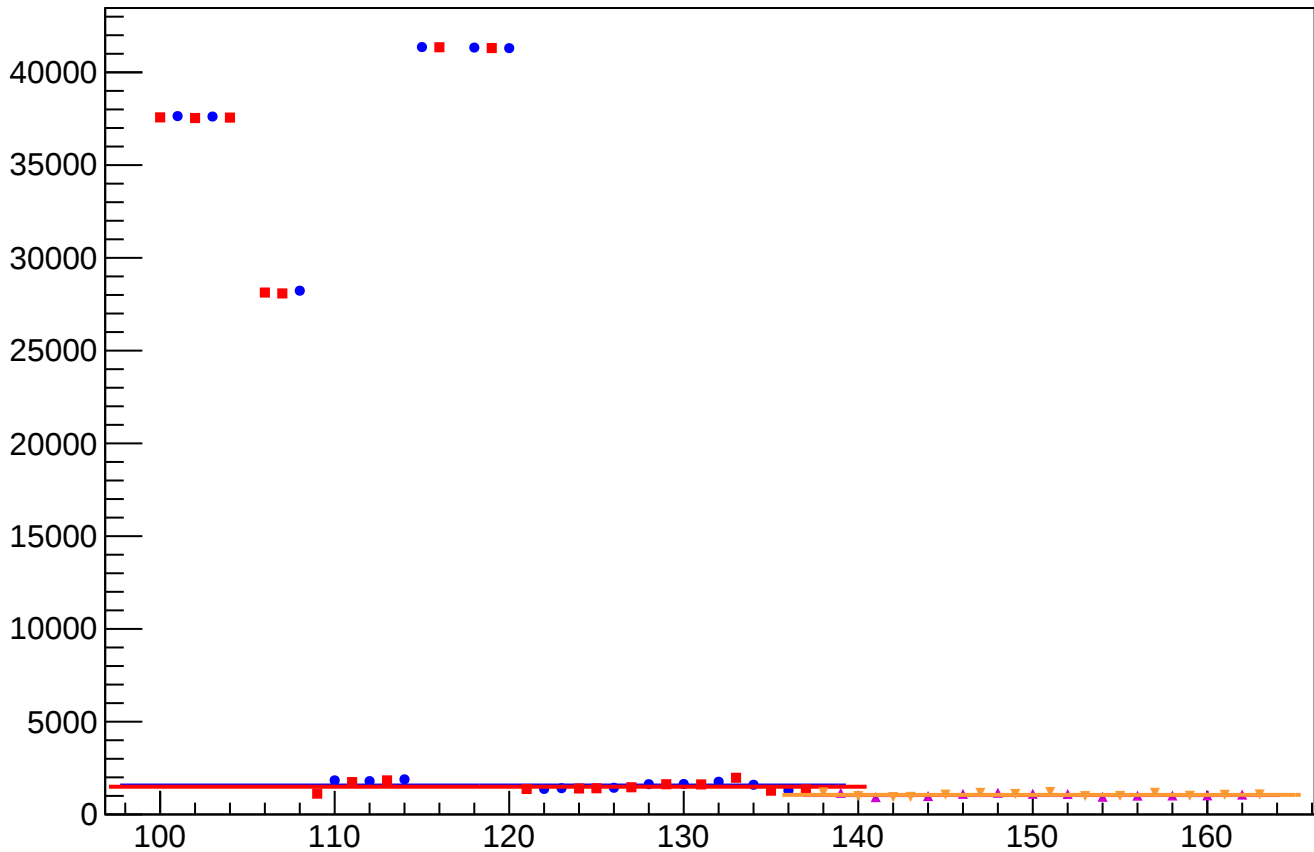
Left In: 0.224 ± 0.337 χ^2/NDF : 16.2/11

+ sign -0.317 ± 0.299 χ^2/NDF : 44.6/30

All: -0.005 ± 0.213 χ^2/NDF : 85.5/61

- sign 0.318 ± 0.304 χ^2/NDF : 38.7/30

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1055.076+/-0.231 χ^2/NDF : 129412.6/13

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

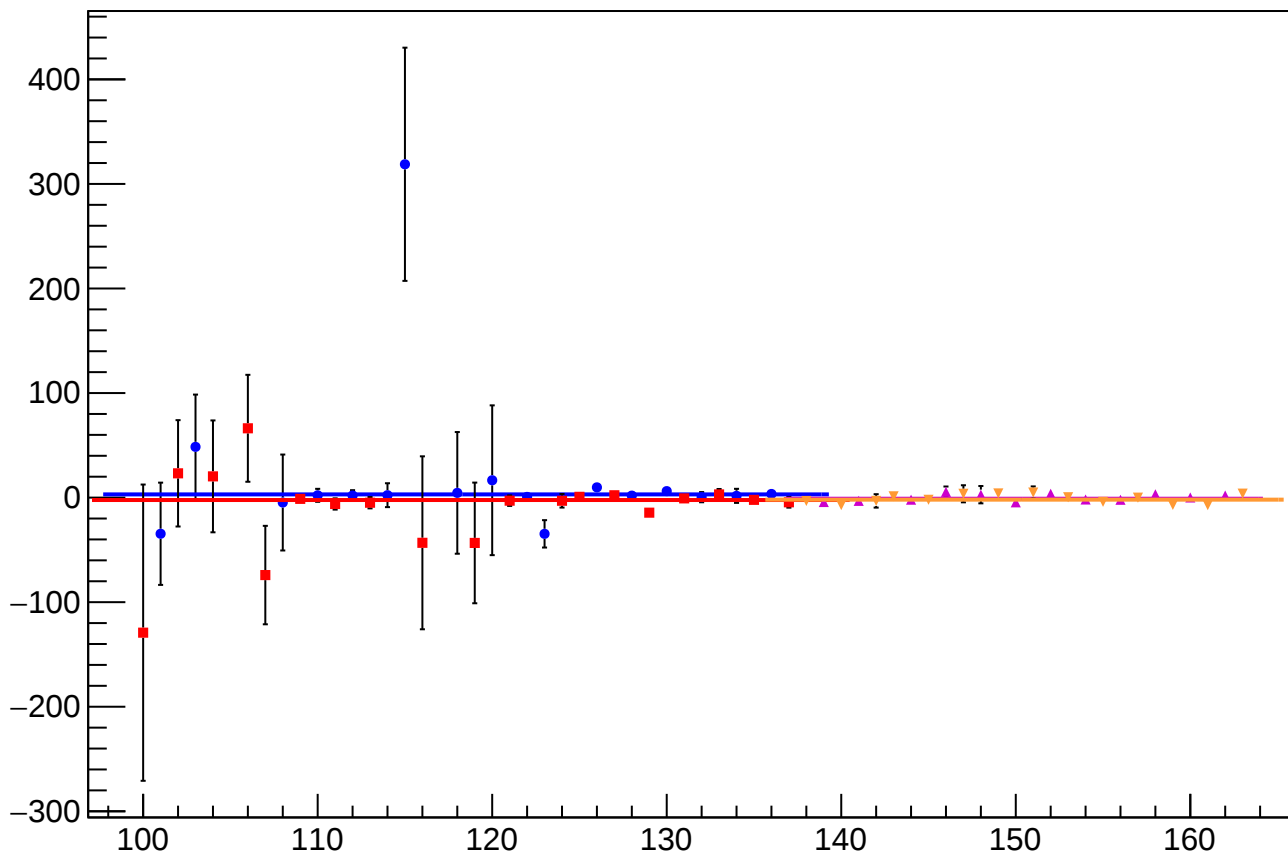
Left In: 1045.225+/-0.238 χ^2/NDF : 96808.5/11

+ sign 1135.893+/-0.212 χ^2/NDF : 5645481.5/30

All: 1131.902+/-0.151 χ^2/NDF : 11289454.9/6

- sign 1127.778+/-0.215 χ^2/NDF : 5643251.1/30

diff_bpm1p02bY_mean vs Slug



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

Left Out: -1.955 ± 1.063 χ^2/NDF : 11.8/13

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

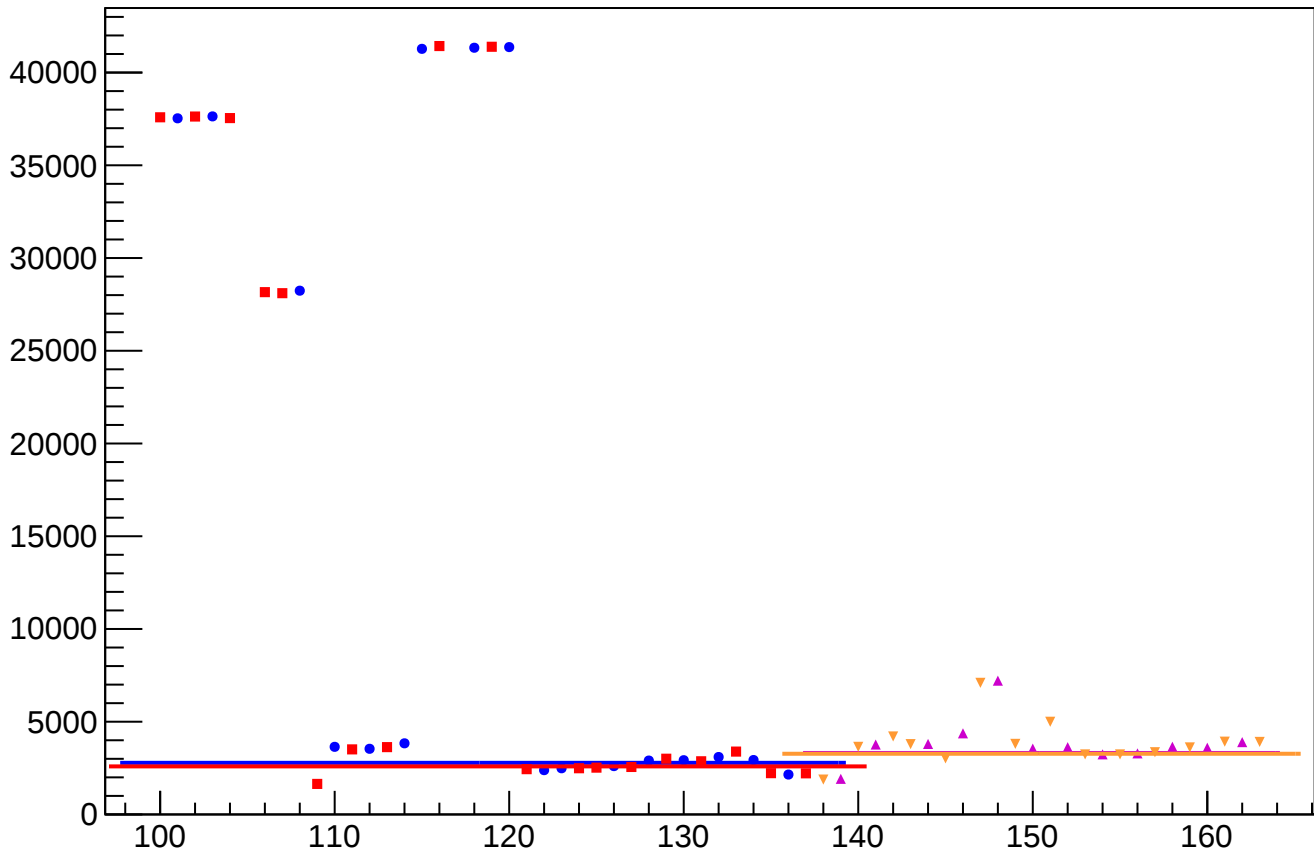
Left In: -1.062 ± 1.116 χ^2/NDF : 8.0/11

+ sign 0.017 ± 0.829 χ^2/NDF : 42.5/30

All: -0.803 ± 0.586 χ^2/NDF : 69.9/61

- sign -1.621 ± 0.828 χ^2/NDF : 25.5/30

diff_bpm1p02bY_rms vs Slug



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

Left Out: 3272.442+/-0.751 χ^2/NDF : 1591556.6/13

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

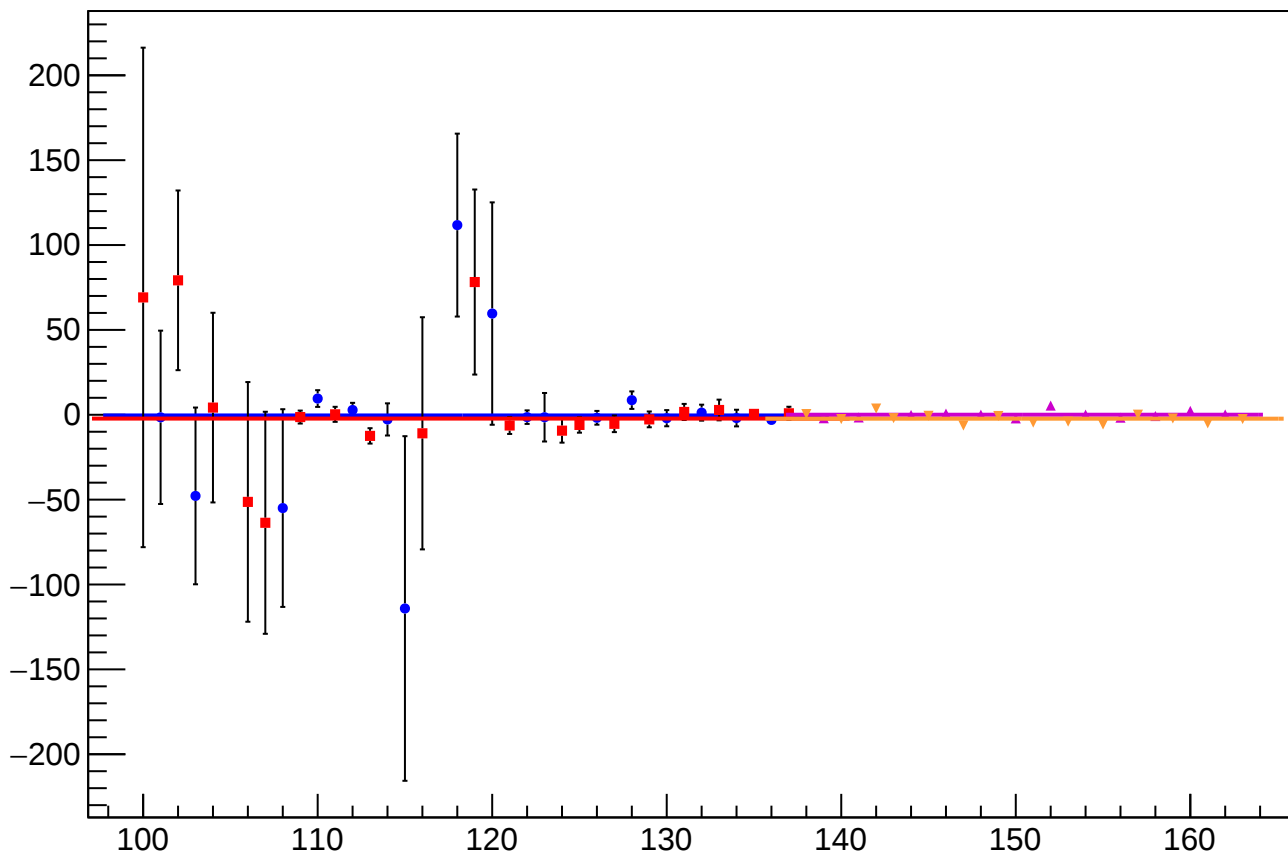
Left In: 3314.527+/-0.789 χ^2/NDF : 1355600.5/11

+ sign 3080.919+/-0.586 χ^2/NDF : 6334650.1/30

All: 3035.087+/-0.414 χ^2/NDF : 12927184.0/60

- sign 2989.350+/-0.585 χ^2/NDF : 6580308.0/30

diff_bpm1p03aX_mean vs Slug



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

Left Out: -2.307 ± 0.512 χ^2/NDF : 23.2/13

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

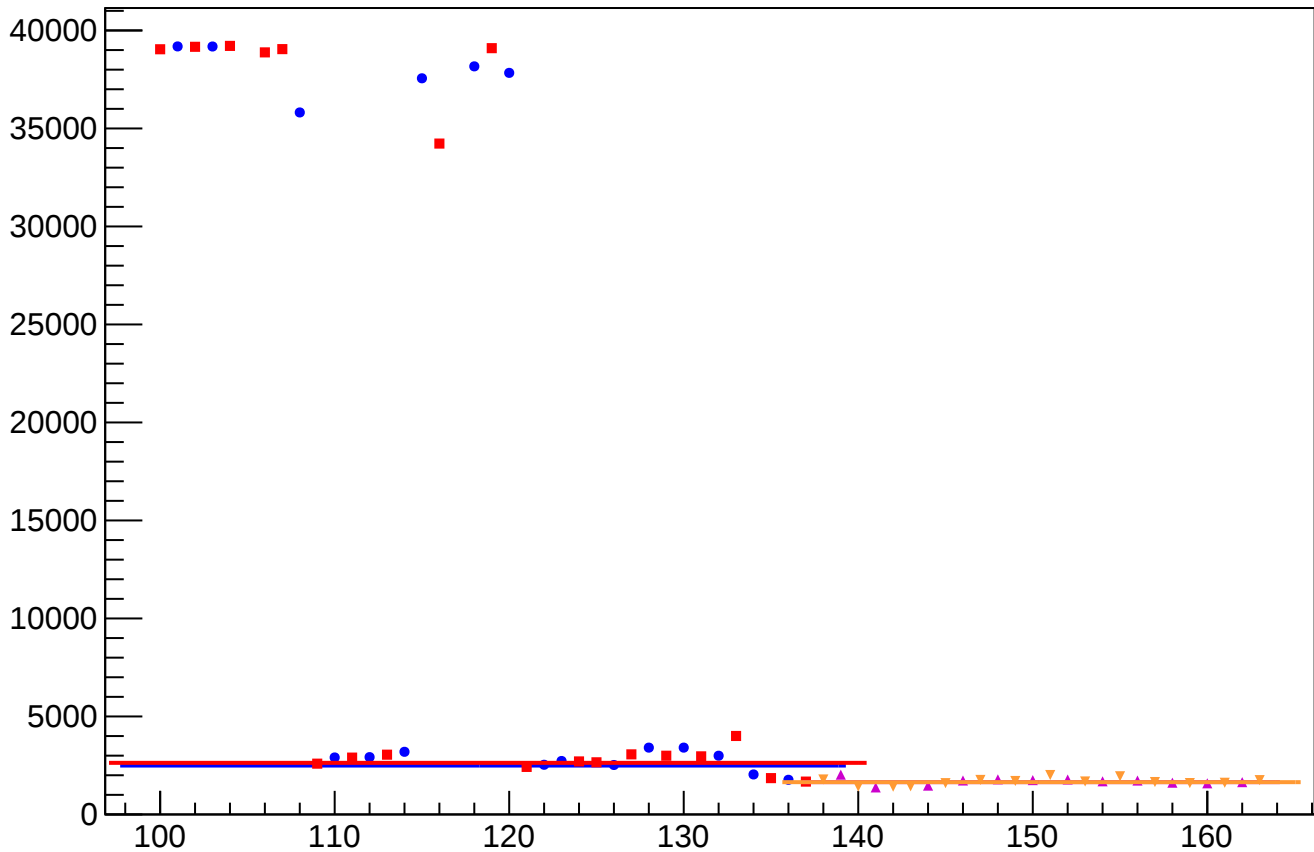
Left In: 0.022 ± 0.533 χ^2/NDF : 13.4/11

+ sign -2.021 ± 0.472 χ^2/NDF : 43.5/30

All: -1.207 ± 0.340 χ^2/NDF : 83.3/61

- sign -0.329 ± 0.490 χ^2/NDF : 33.6/30

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1647.643 $\pm$ 0.362 χ^2 /NDF: 209039.3/13

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

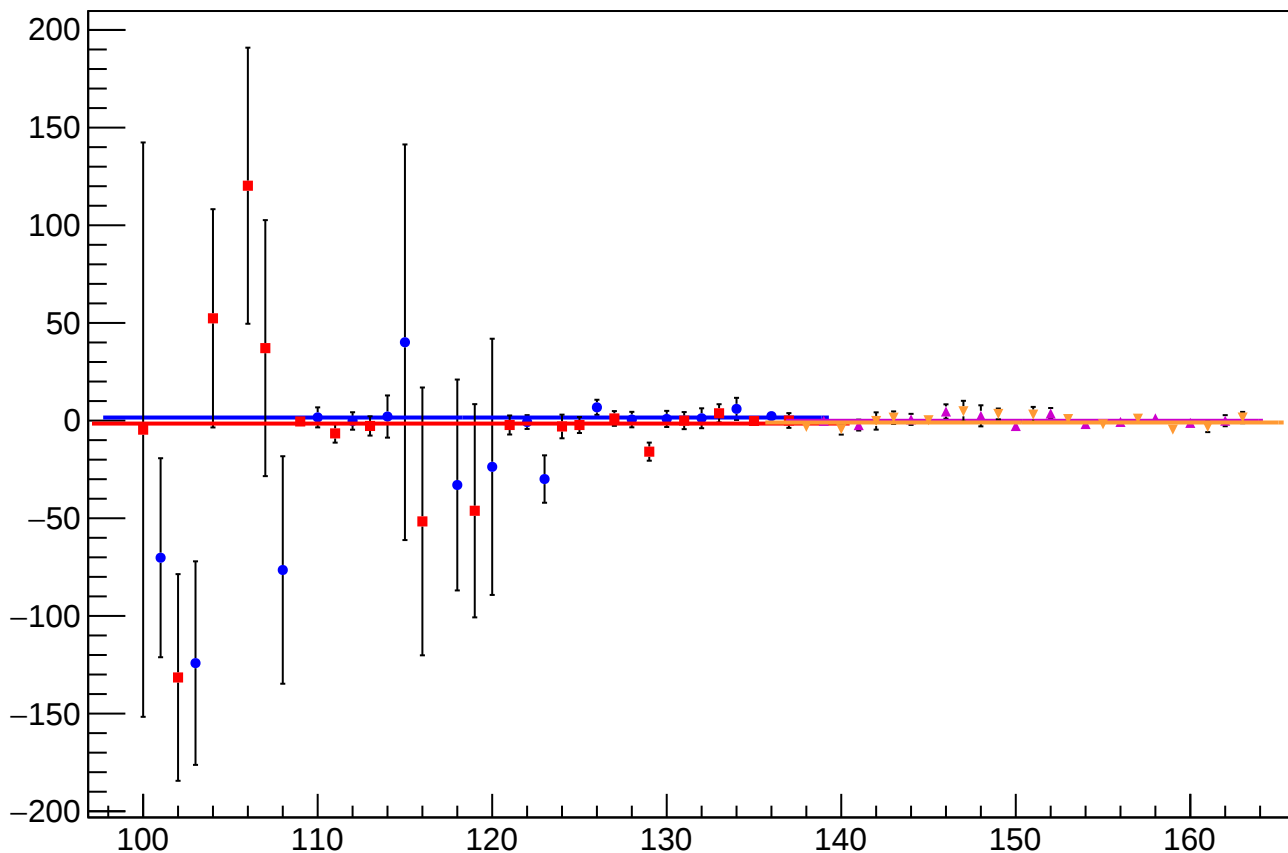
Left In: 1650.244 $\pm$ 0.377 χ^2 /NDF: 172871.3/11

+ sign 1774.881 $\pm$ 0.334 χ^2 /NDF: 5915512.5/30

All: 1788.076 $\pm$ 0.240 χ^2 /NDF: 12004515.0/60

- sign 1802.314 $\pm$ 0.347 χ^2 /NDF: 6085749.4/30

diff_bpm1p03aY_mean vs Slug



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

Left Out: -0.968 ± 0.695 χ^2/NDF : 14.5/13

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

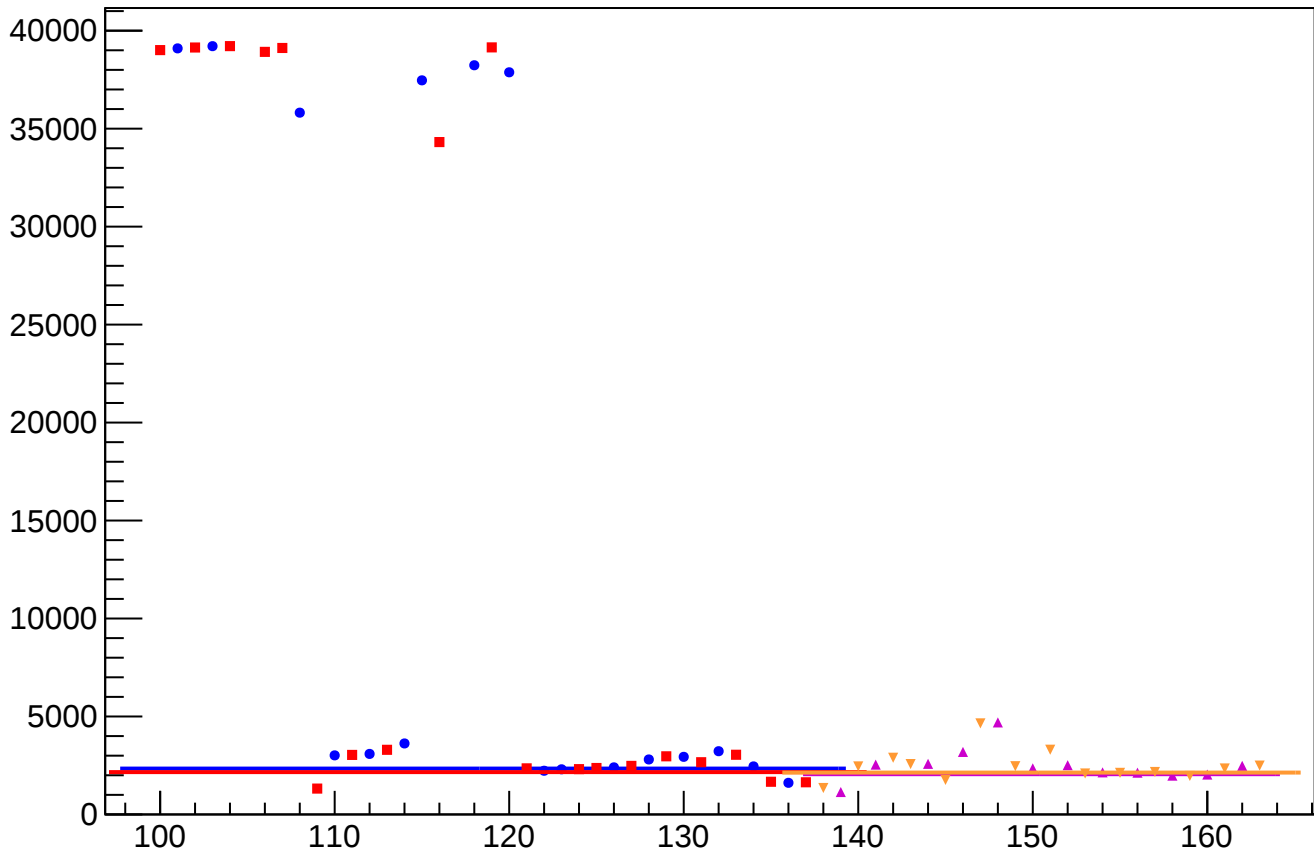
Left In: -0.093 ± 0.701 χ^2/NDF : 6.5/11

+ sign -0.281 ± 0.594 χ^2/NDF : 38.5/30

All: -0.406 ± 0.417 χ^2/NDF : 71.4/61

- sign -0.527 ± 0.585 χ^2/NDF : 32.8/30

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2137.562+/-0.491 χ^2/NDF : 1312960.1/13

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

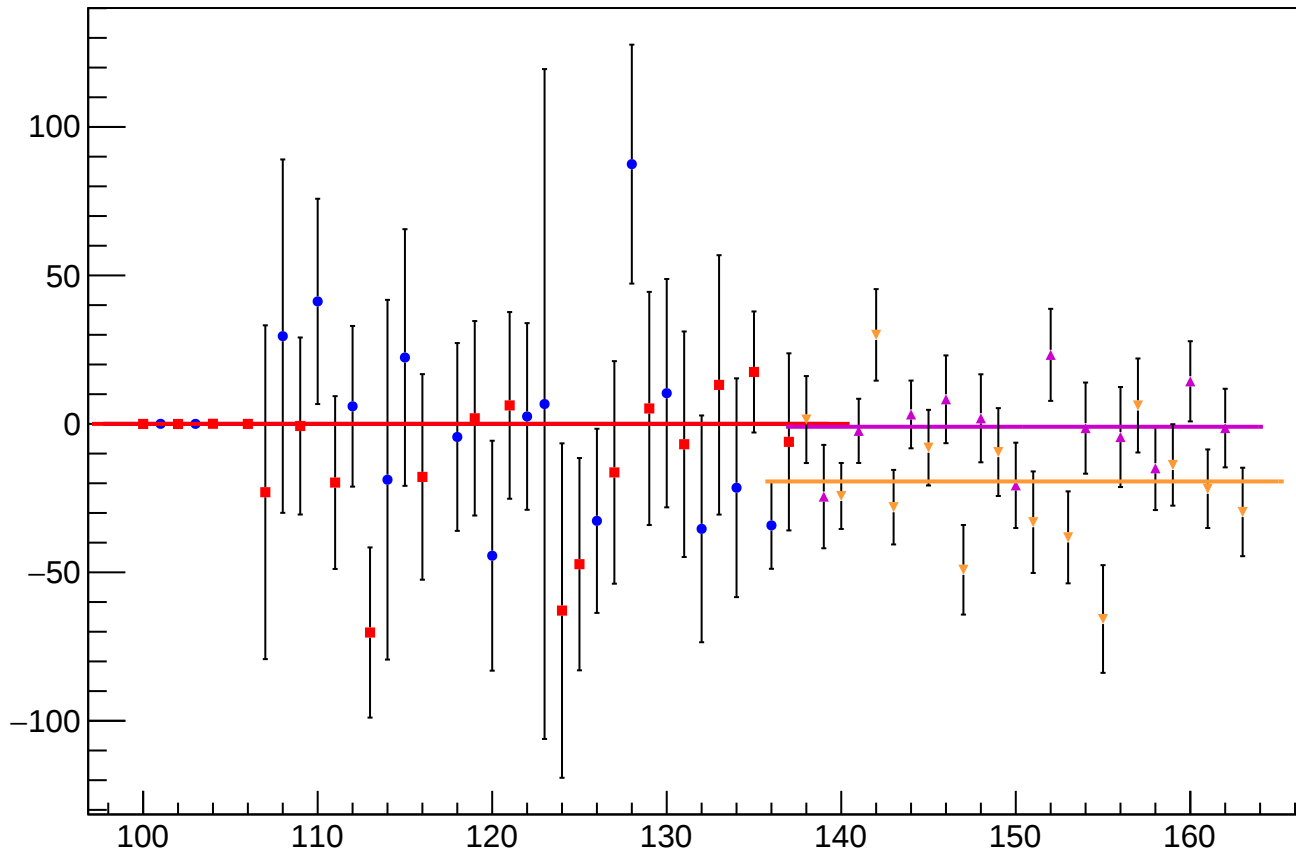
Left In: 2055.168+/-0.495 χ^2/NDF : 1794578.7/11

+ sign 2192.519+/-0.420 χ^2/NDF : 6366140.8/30

All: 2139.113+/-0.295 χ^2/NDF : 13505510.6/60

- sign 2087.309+/-0.414 χ^2/NDF : 7107506.1/30

diff_cav4bX_mean vs Slug



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

Left Out: -19.386 ± 3.819 χ^2/NDF : 30.0/13

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

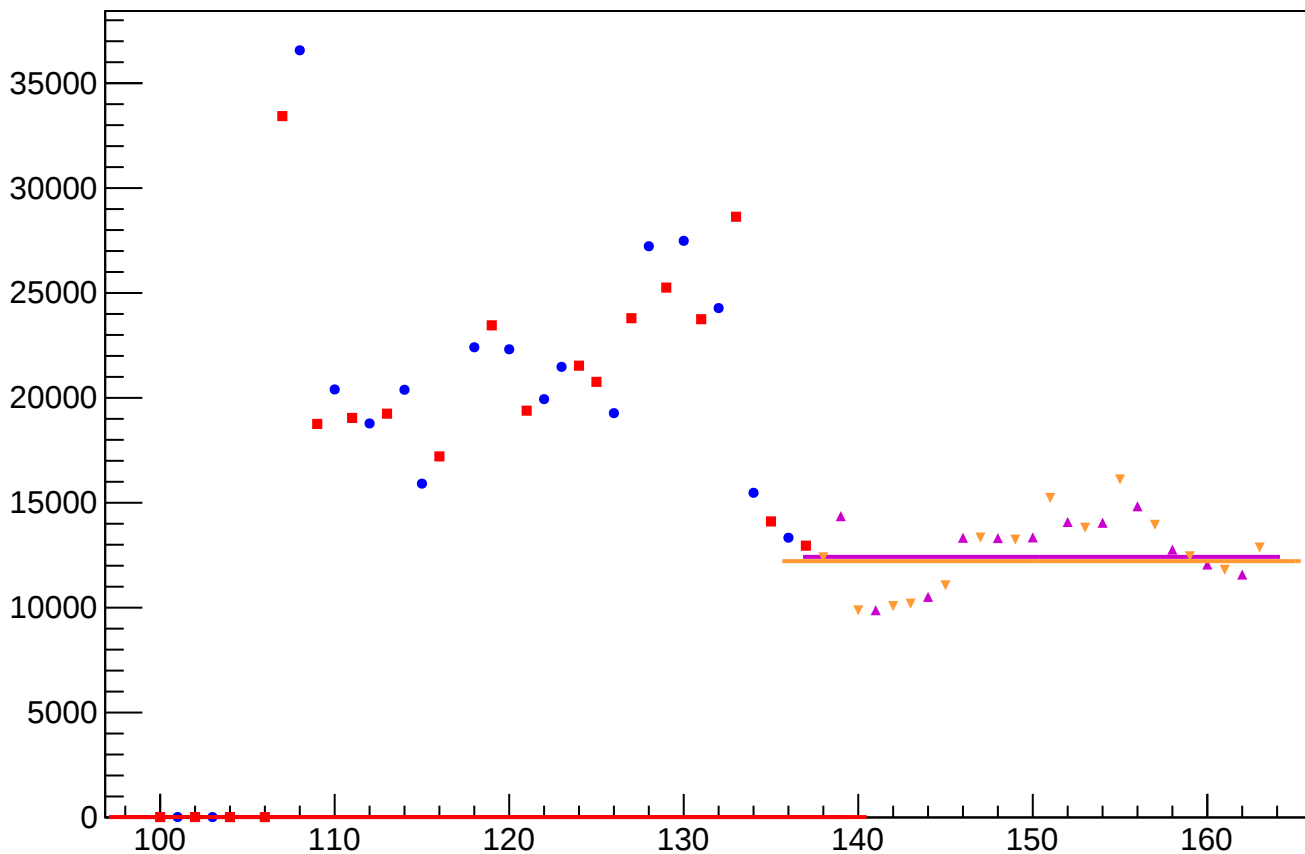
Left In: -0.971 ± 4.026 χ^2/NDF : 9.0/11

+ sign 0.013 ± 0.017 χ^2/NDF : 72.0/30

All: 0.008 ± 0.012 χ^2/NDF : 97.1/61

- sign 0.003 ± 0.016 χ^2/NDF : 25.0/30

diff_cav4bX_rms vs Slug



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

Left Out: 12217.066 $\pm$ 2.700 χ^2 /NDF: 422851.3/13

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

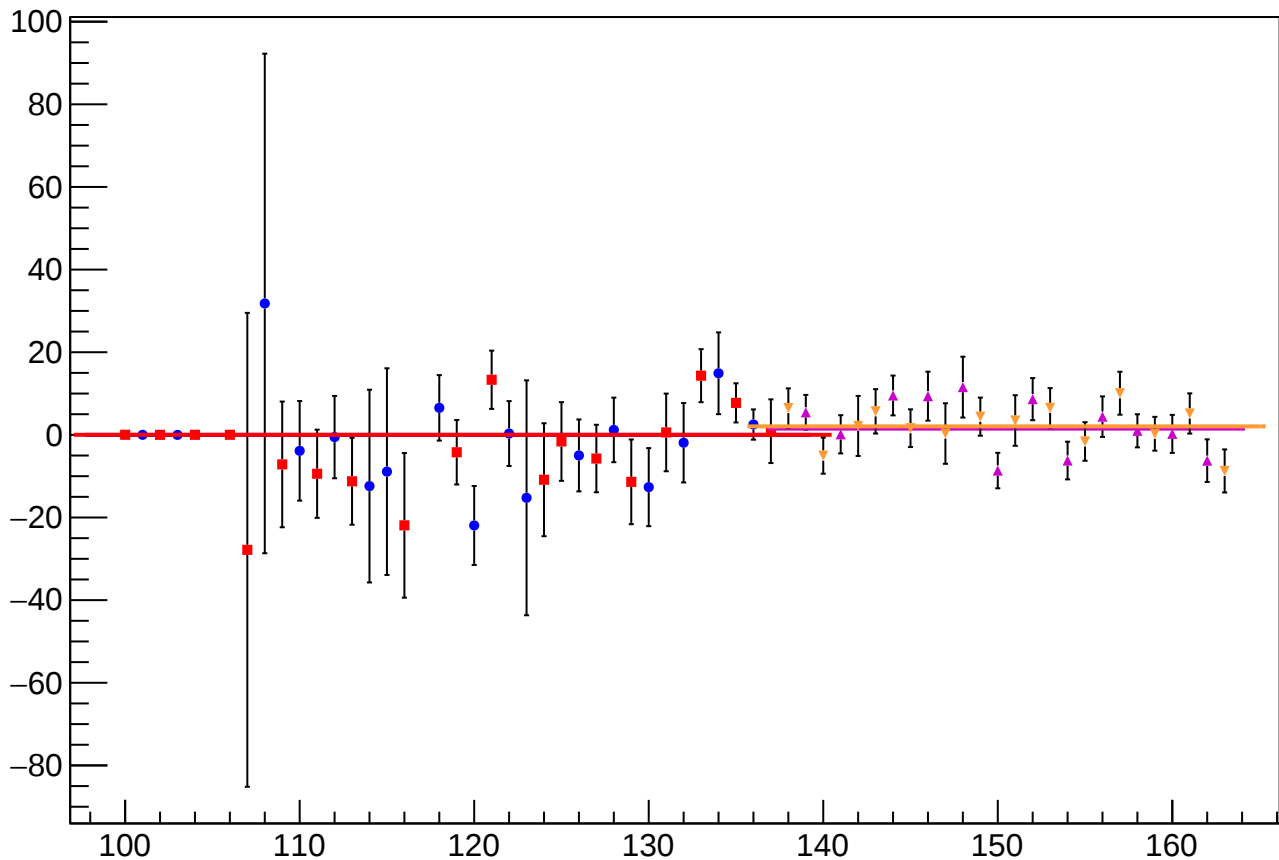
Left In: 12421.345 $\pm$ 2.847 χ^2 /NDF: 311894.2/11

+ sign 18.893 $\pm$ 0.012 χ^2 /NDF: 31815679.7/30

All: 18.687 $\pm$ 0.008 χ^2 /NDF: 62219978.7/61

- sign 18.509 $\pm$ 0.011 χ^2 /NDF: 30403771.4/30

diff_cav4bY_mean vs Slug



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

Left Out: 2.055 $\pm$ 1.341 χ^2 /NDF:13.1/13

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

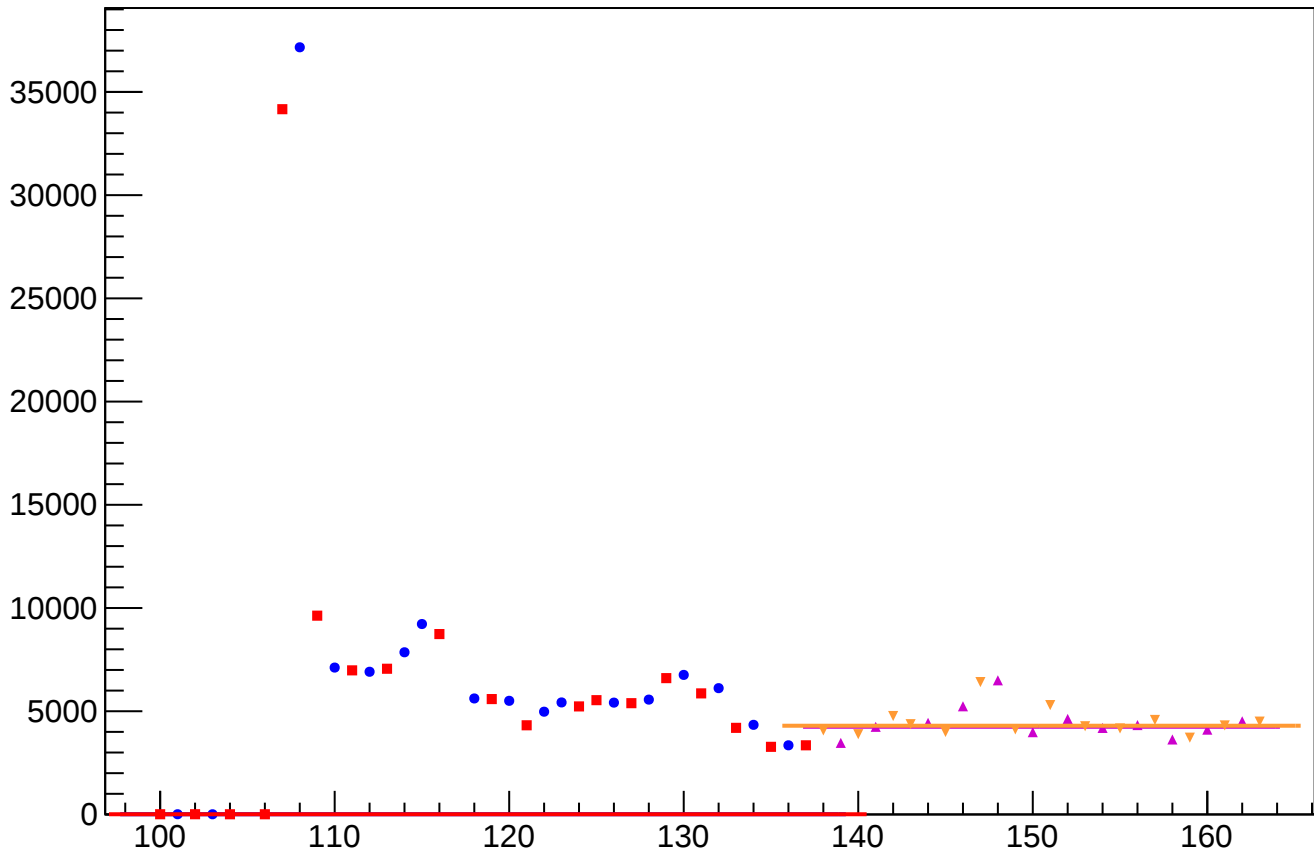
Left In: 1.514 $\pm$ 1.383 χ^2 /NDF:20.5/11

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 28.5/30

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 69.8/61

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 40.2/30

diff_cav4bY_rms vs Slug



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

Left Out: 4297.910+/-0.949 χ^2/NDF :312916.8/13

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

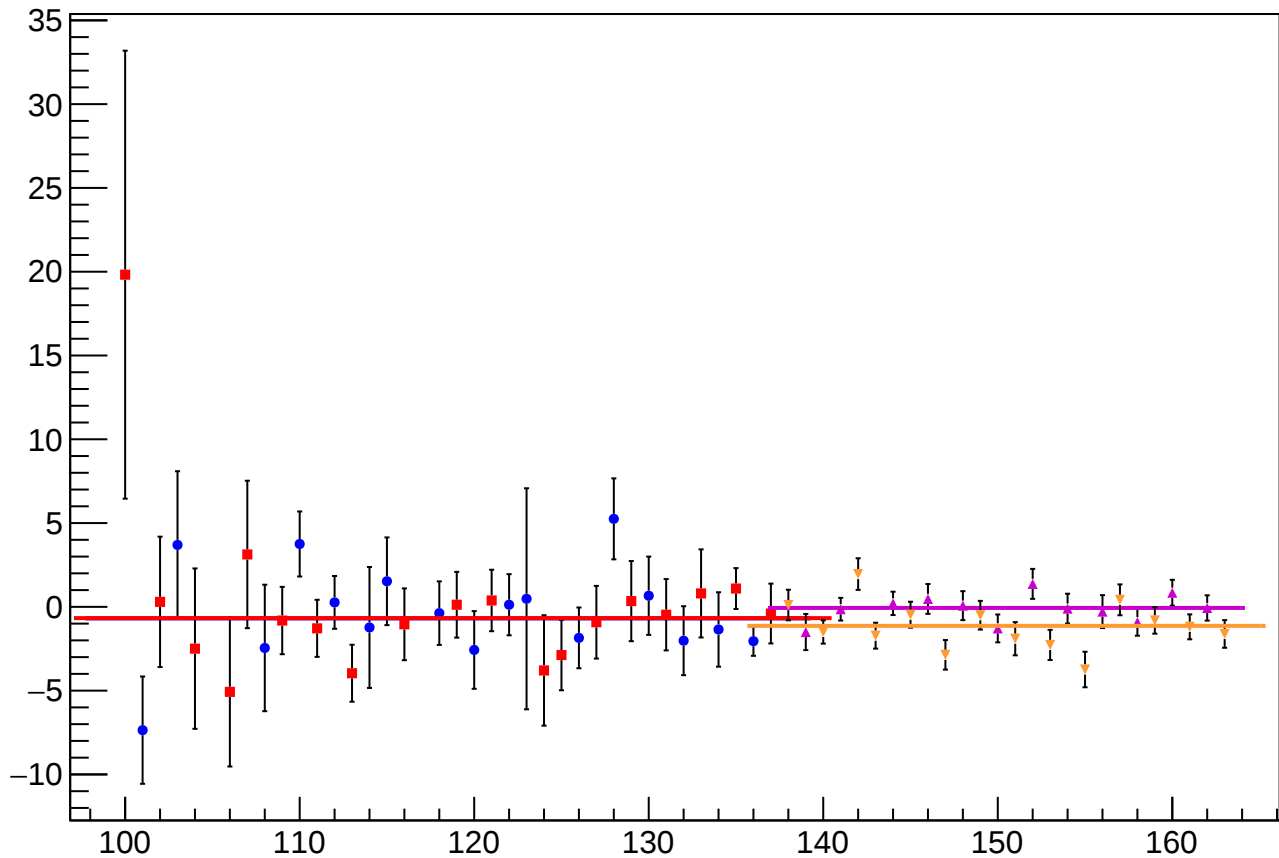
Left In: 4248.131+/-0.978 χ^2/NDF :388135.7/11

+ sign 10.141+/-0.007 χ^2/NDF : 31862791.8/30

All: 10.077+/-0.004 χ^2/NDF : 62184684.5/61

- sign 10.020+/-0.006 χ^2/NDF : 30321710.1/30

diff_cav4cX_mean vs Slug



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

Left Out: -1.134 ± 0.226 χ^2/NDF : 30.2/13

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

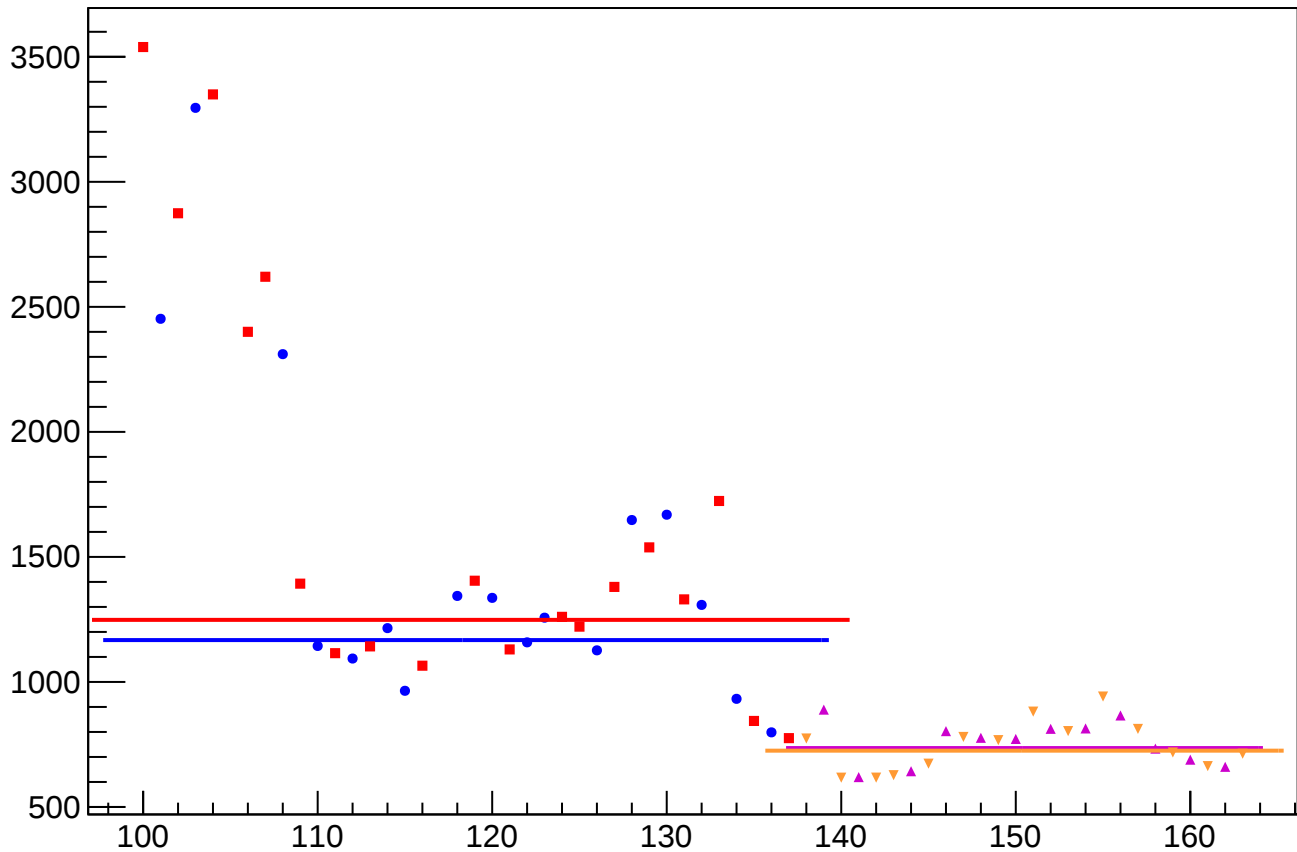
Left In: -0.065 ± 0.238 χ^2/NDF : 9.6/11

+ sign -1.054 ± 0.205 χ^2/NDF : 53.4/30

All: -0.637 ± 0.148 χ^2/NDF : 86.2/61

- sign -0.177 ± 0.215 χ^2/NDF : 24.1/30

diff_cav4cX_rms vs Slug



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

Left Out: 725.201 $\pm$ 0.160 χ^2 /NDF: 314455.3/13

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

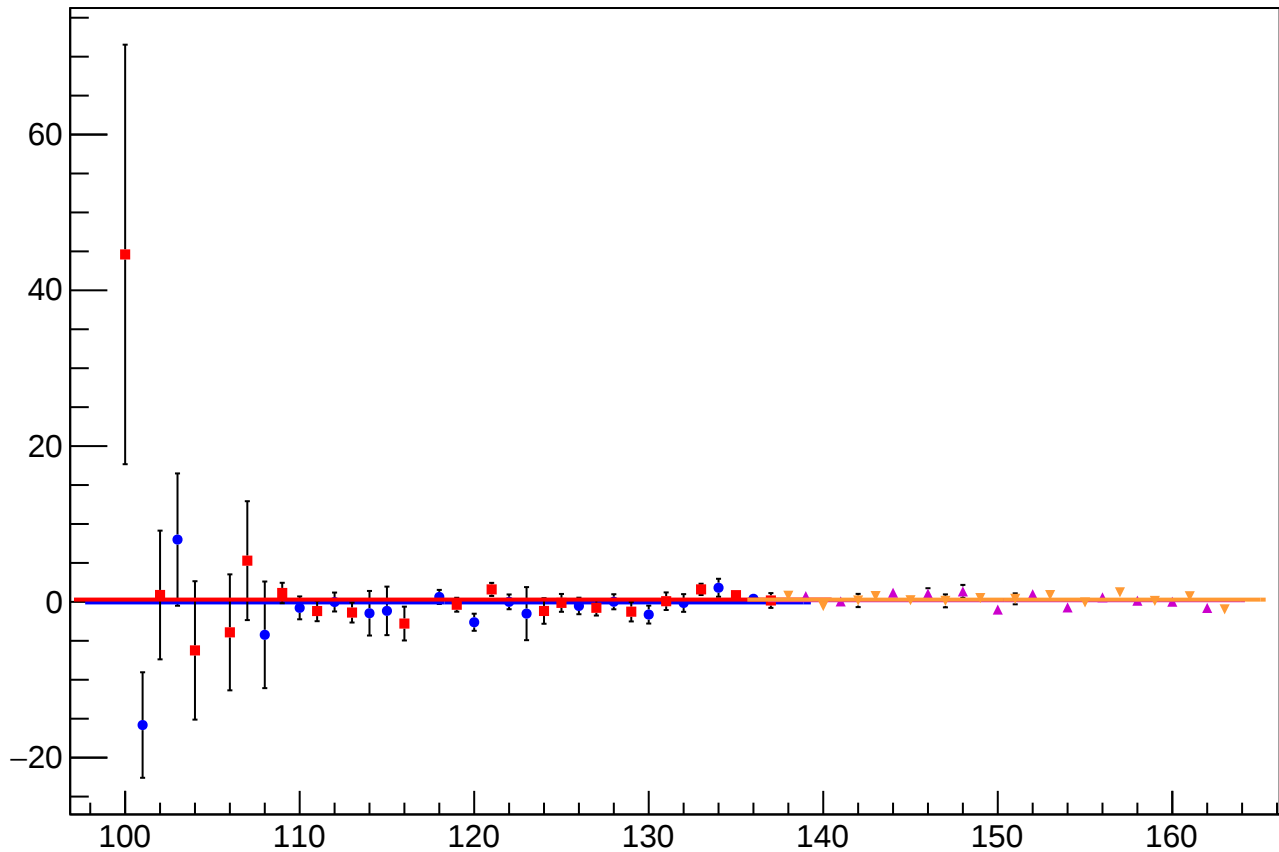
Left In: 735.560 $\pm$ 0.168 χ^2 /NDF: 247291.3/11

+ sign 804.806 $\pm$ 0.145 χ^2 /NDF: 3271507.4/30

All: 816.787 $\pm$ 0.105 χ^2 /NDF: 6897990.7/61

- sign 830.002 $\pm$ 0.152 χ^2 /NDF: 3612063.3/30

diff_cav4cY_mean vs Slug



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

Left Out: 0.287 ± 0.161 χ^2/NDF : 12.3/13

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

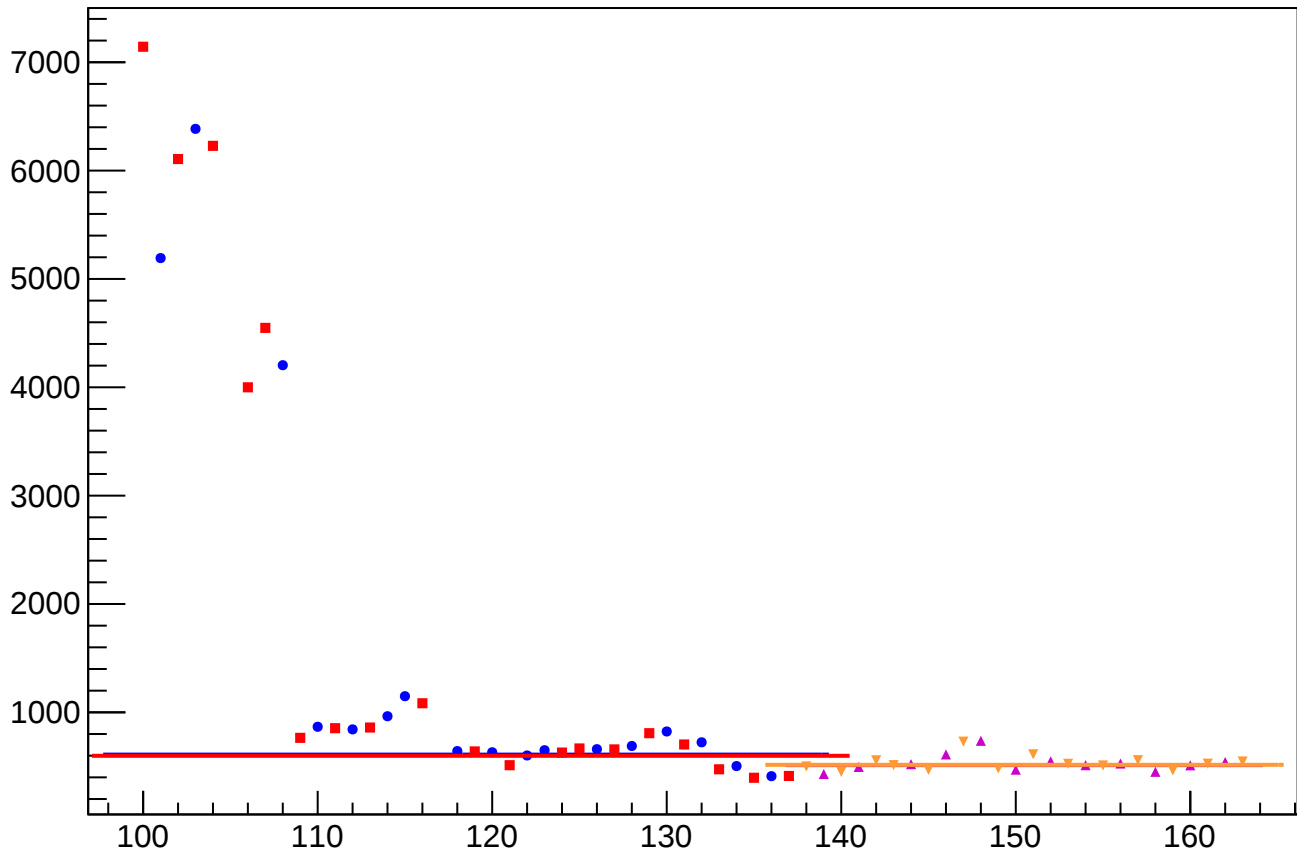
Left In: 0.210 ± 0.166 χ^2/NDF : 20.4/11

+ sign 0.193 ± 0.138 χ^2/NDF : 32.8/30

All: 0.213 ± 0.099 χ^2/NDF : 73.6/61

- sign 0.234 ± 0.141 χ^2/NDF : 40.7/30

diff_cav4cY_rms vs Slug



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

Left Out: 515.716 $\pm$ 0.114 χ^2 /NDF: 267989.6/13

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

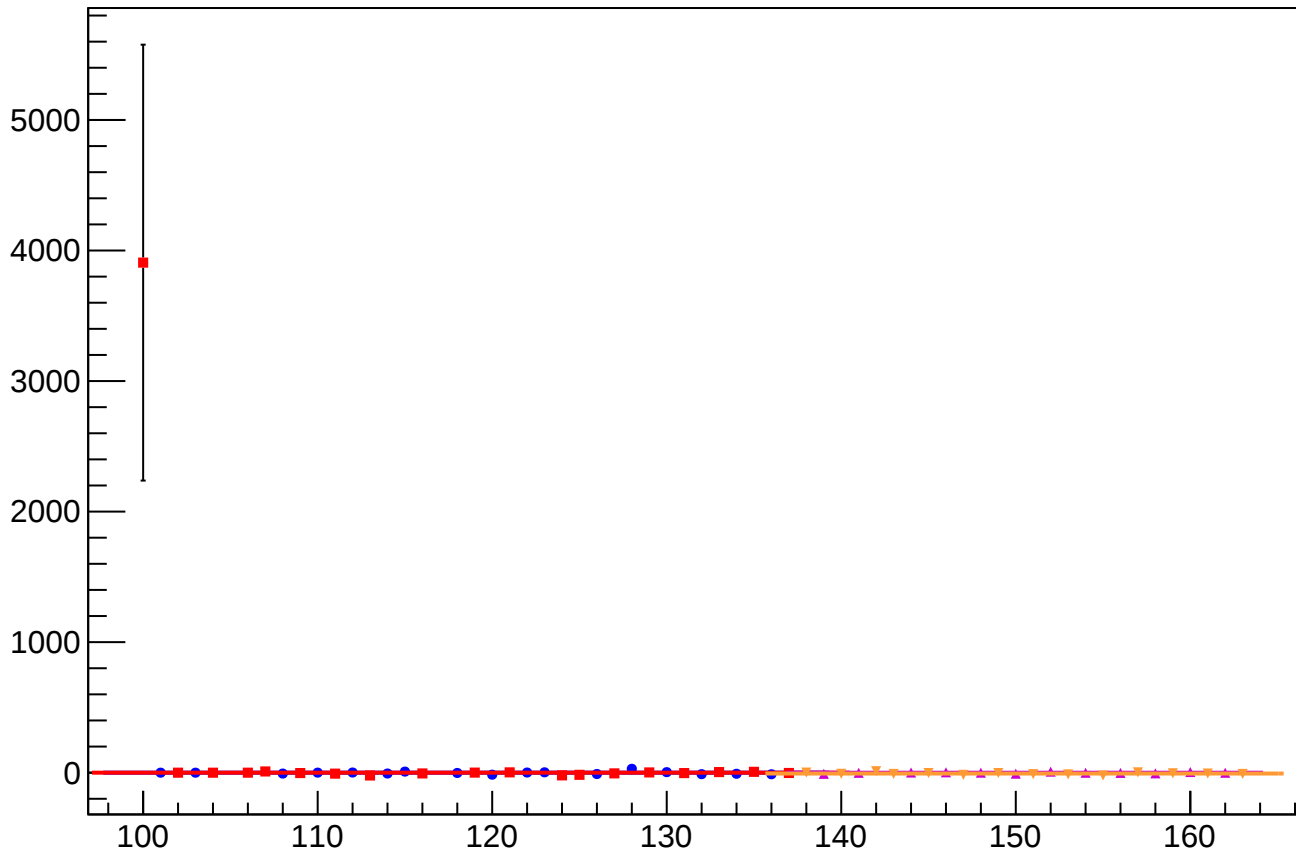
Left In: 512.758 $\pm$ 0.118 χ^2 /NDF: 293841.0/11

+ sign 540.507 $\pm$ 0.097 χ^2 /NDF: 3584631.3/30

All: 538.943 $\pm$ 0.070 χ^2 /NDF: 7584228.6/61

- sign 537.313 $\pm$ 0.100 χ^2 /NDF: 3999071.9/30

diff_cav4dX_mean vs Slug



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

Left Out: -6.541 ± 1.316 χ^2/NDF : 30.2/13

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

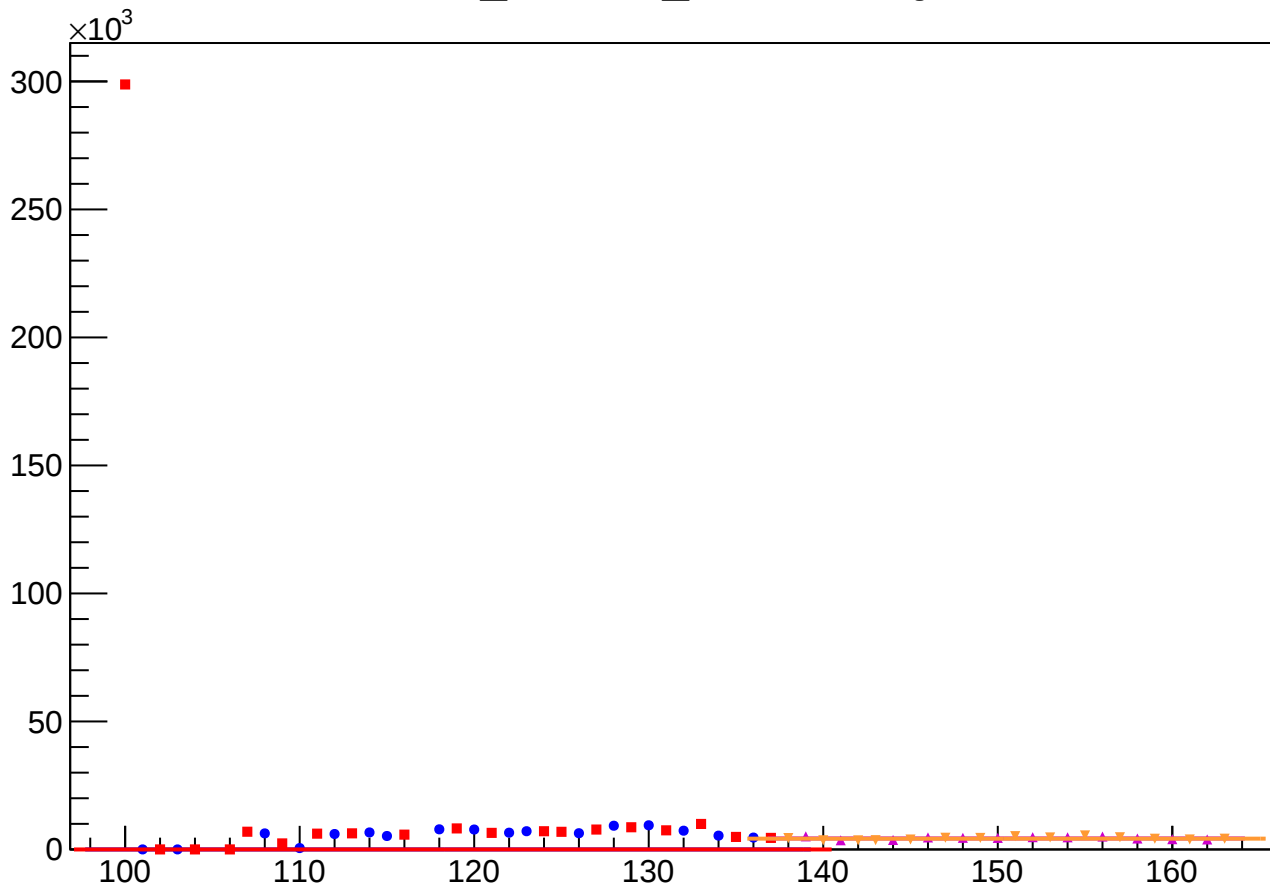
Left In: -0.351 ± 1.388 χ^2/NDF : 9.5/11

+ sign -0.023 ± 0.021 χ^2/NDF : 70.4/30

All: -0.025 ± 0.014 χ^2/NDF : 97.9/61

- sign -0.027 ± 0.020 χ^2/NDF : 27.5/30

diff_cav4dX_rms vs Slug



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

Left Out: 4221.466+/-0.931 χ^2/NDF : 333426.9/13

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

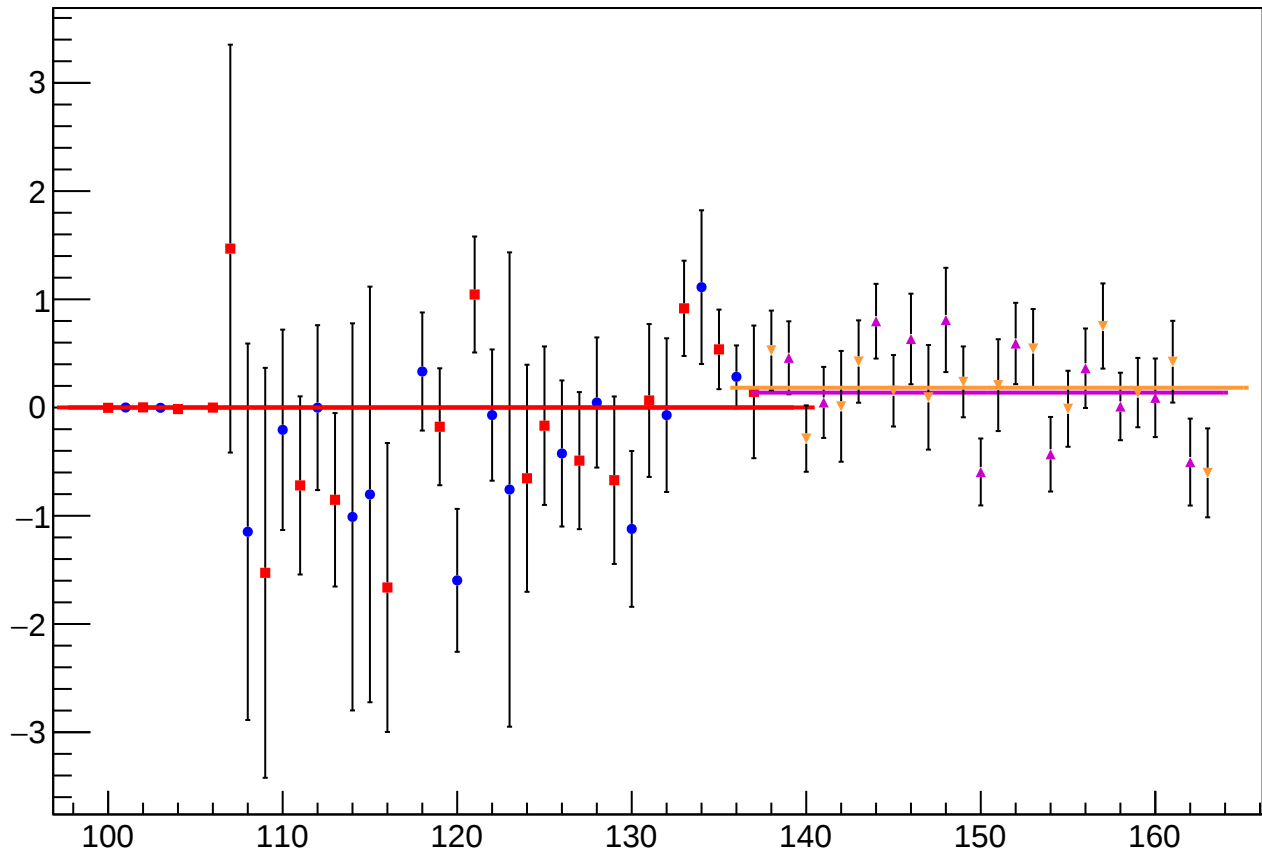
Left In: 4291.806+/-0.982 χ^2/NDF : 253133.6/11

+ sign 18.390+/-0.015 χ^2/NDF : 31237844.9/30

All: 18.256+/-0.010 χ^2/NDF : 61264791.5/61

- sign 18.136+/-0.014 χ^2/NDF : 30026789.6/30

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 13.8/16

Left Out: 0.183 $\pm$ 0.099 χ^2 /NDF:11.3/13

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 17.9/18

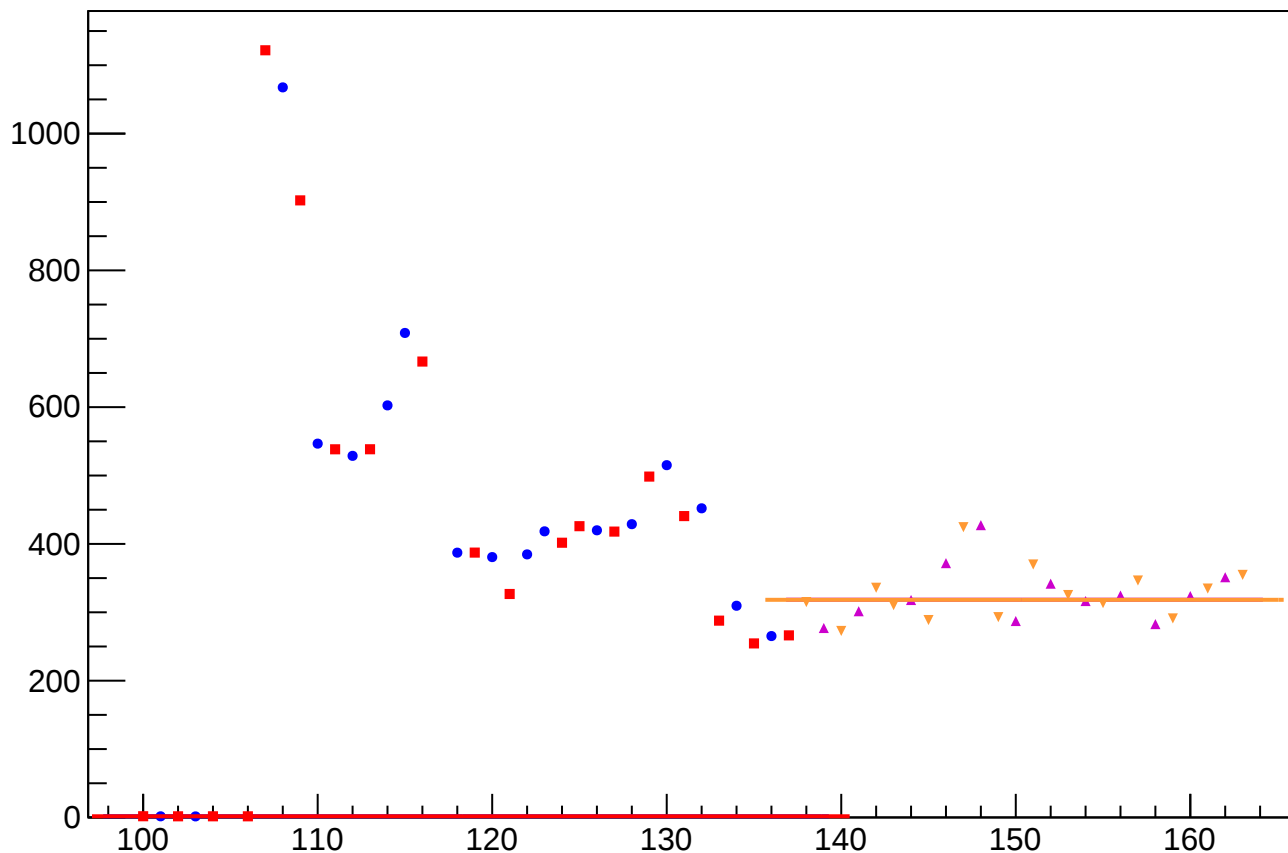
Left In: 0.138 $\pm$ 0.103 χ^2 /NDF:20.9/11

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 28.5/30

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 69.1/61

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 40.6/30

diff_cav4dY_rms vs Slug



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

Left Out: 318.266+/-0.070 χ^2/NDF : 247046.9/13

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

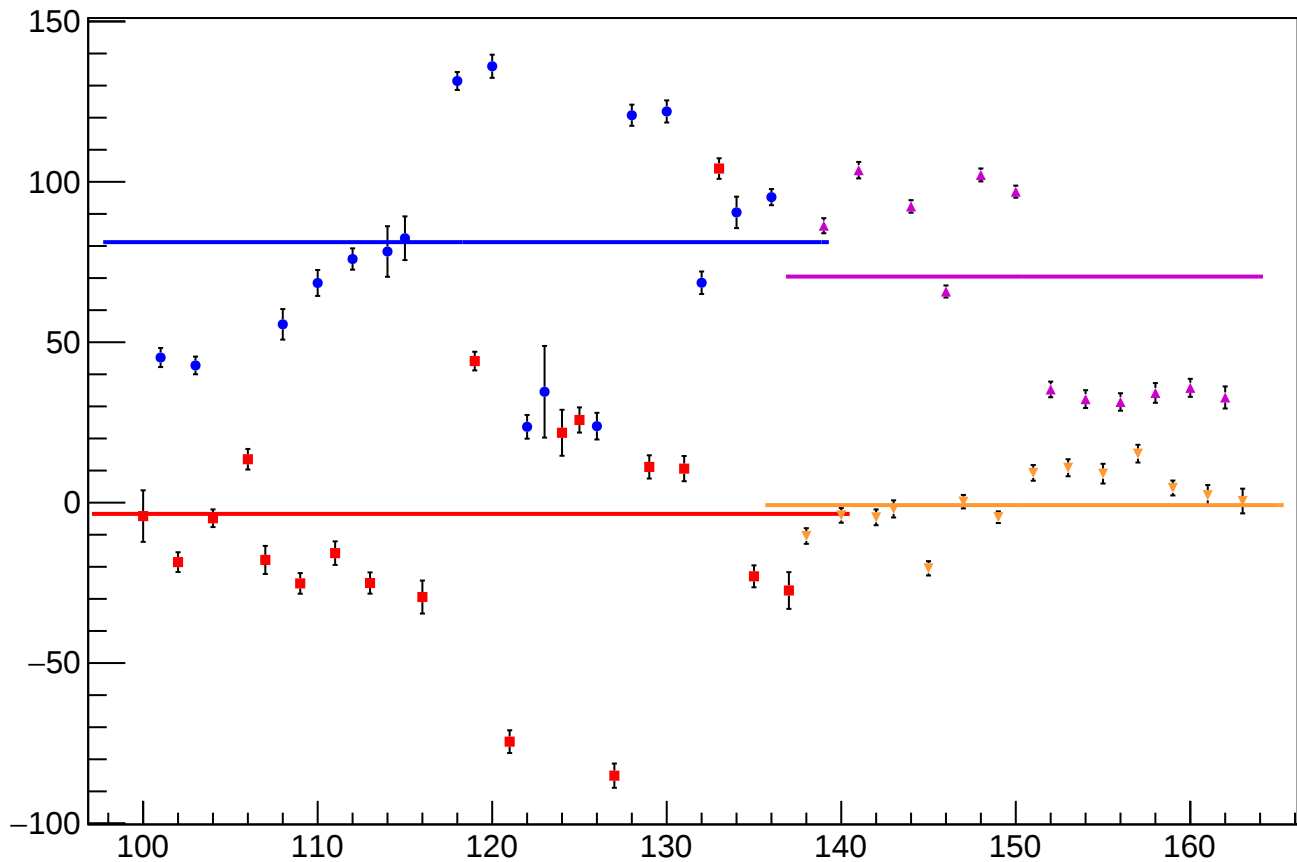
Left In: 318.401+/-0.073 χ^2/NDF : 239138.7/11

+ sign 1.831+/-0.001 χ^2/NDF : 31702701.4/30

All: 1.836+/-0.001 χ^2/NDF : 61515922.0/61

- sign 1.840+/-0.001 χ^2/NDF : 29813200.8/30

diff_bpm0i01X_mean vs Slug



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

Left Out: -0.775 $\pm$ 0.661 χ^2 /NDF: 188.6/13

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

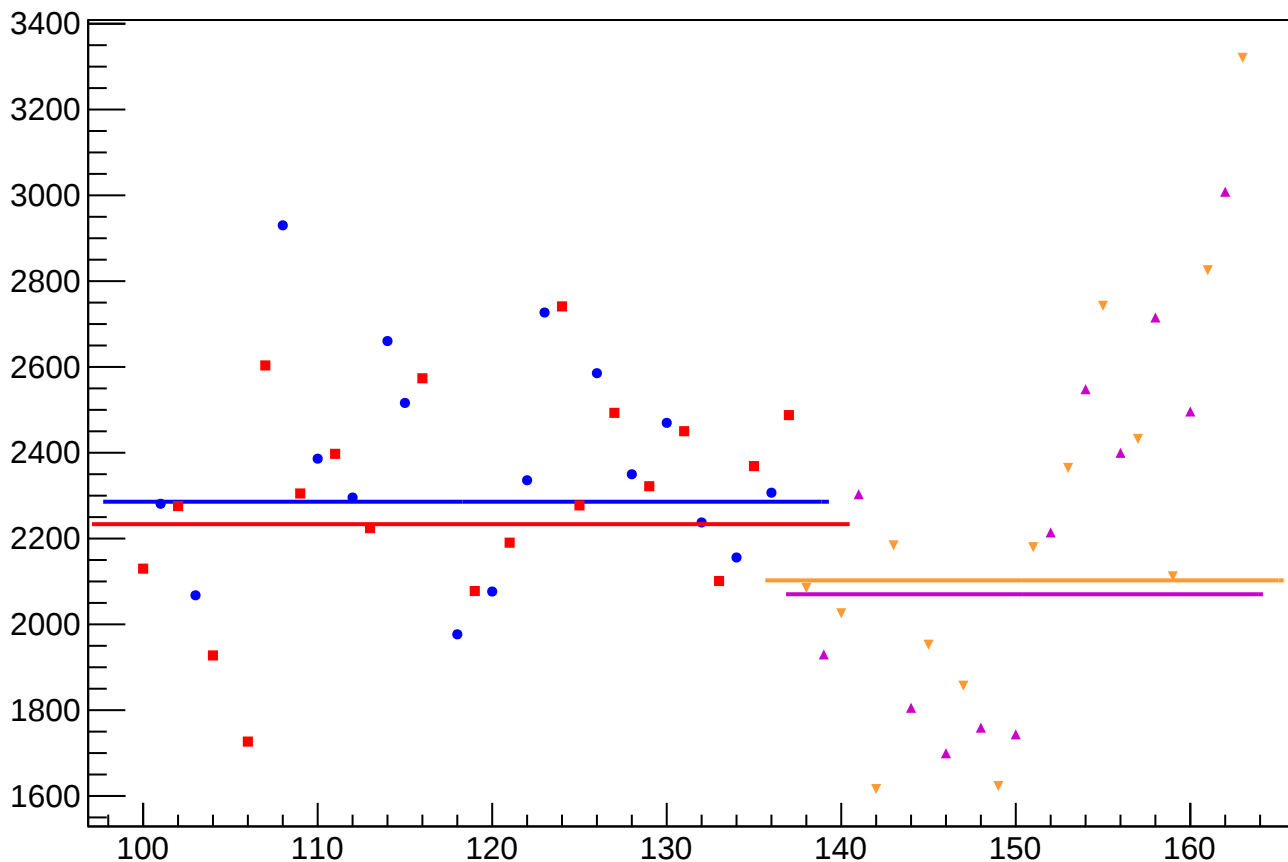
Left In: 70.469 $\pm$ 0.682 χ^2 /NDF: 1801.3/11

+ sign 28.555 $\pm$ 0.530 χ^2 /NDF: 7400.0/30

All: 34.870 $\pm$ 0.375 χ^2 /NDF: 16743.0/61

- sign 41.190 $\pm$ 0.530 χ^2 /NDF: 9058.8/30

diff_bpm0i01X_rms vs Slug



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

Left Out: 2102.510+/-0.467 χ^2/NDF : 698179.3/13

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

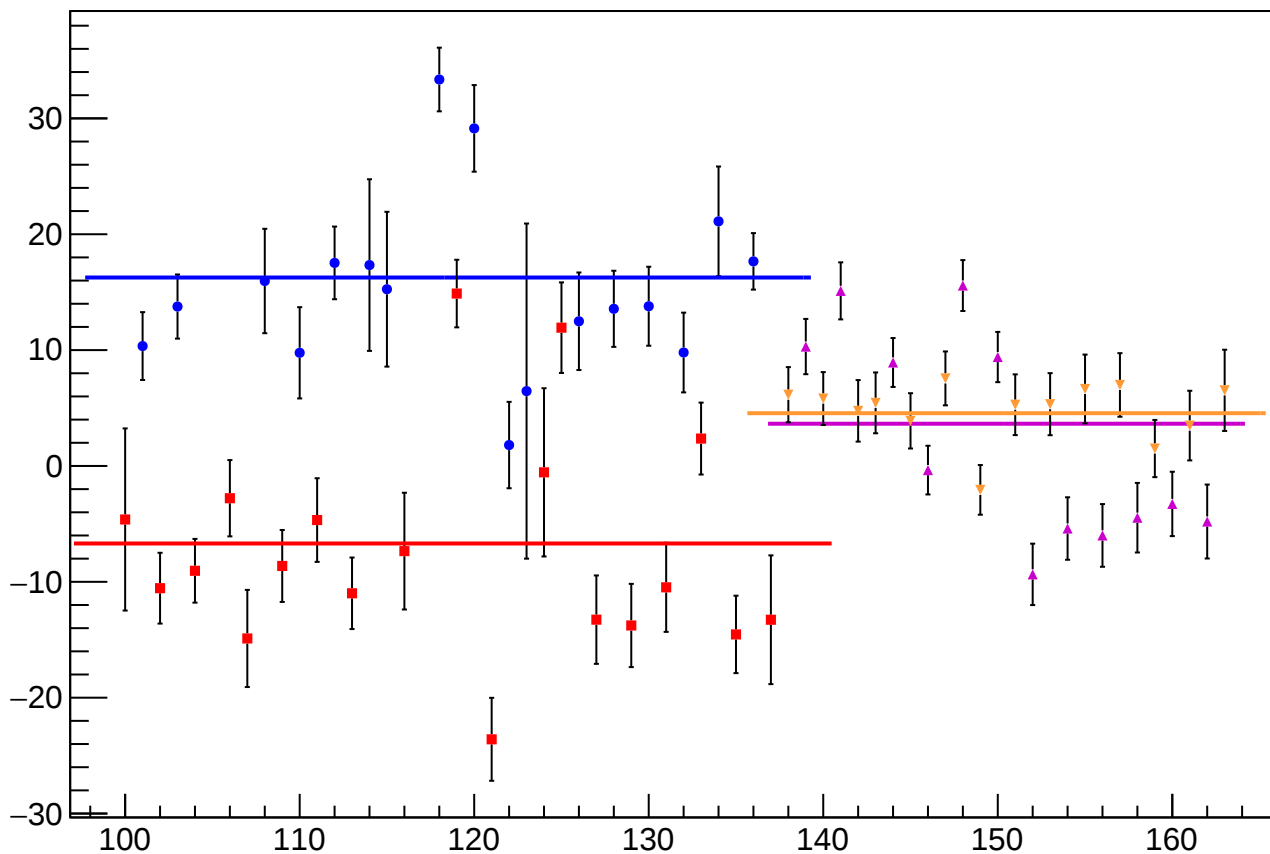
Left In: 2070.194+/-0.482 χ^2/NDF : 623233.3/11

+ sign 2168.109+/-0.375 χ^2/NDF : 862556.3/30

All: 2151.486+/-0.265 χ^2/NDF : 1682005.7/63

- sign 2134.846+/-0.375 χ^2/NDF : 815509.3/30

diff_bpm0i01Y_mean vs Slug



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

Left Out: 4.554 ± 0.687 χ^2/NDF : 15.6/13

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

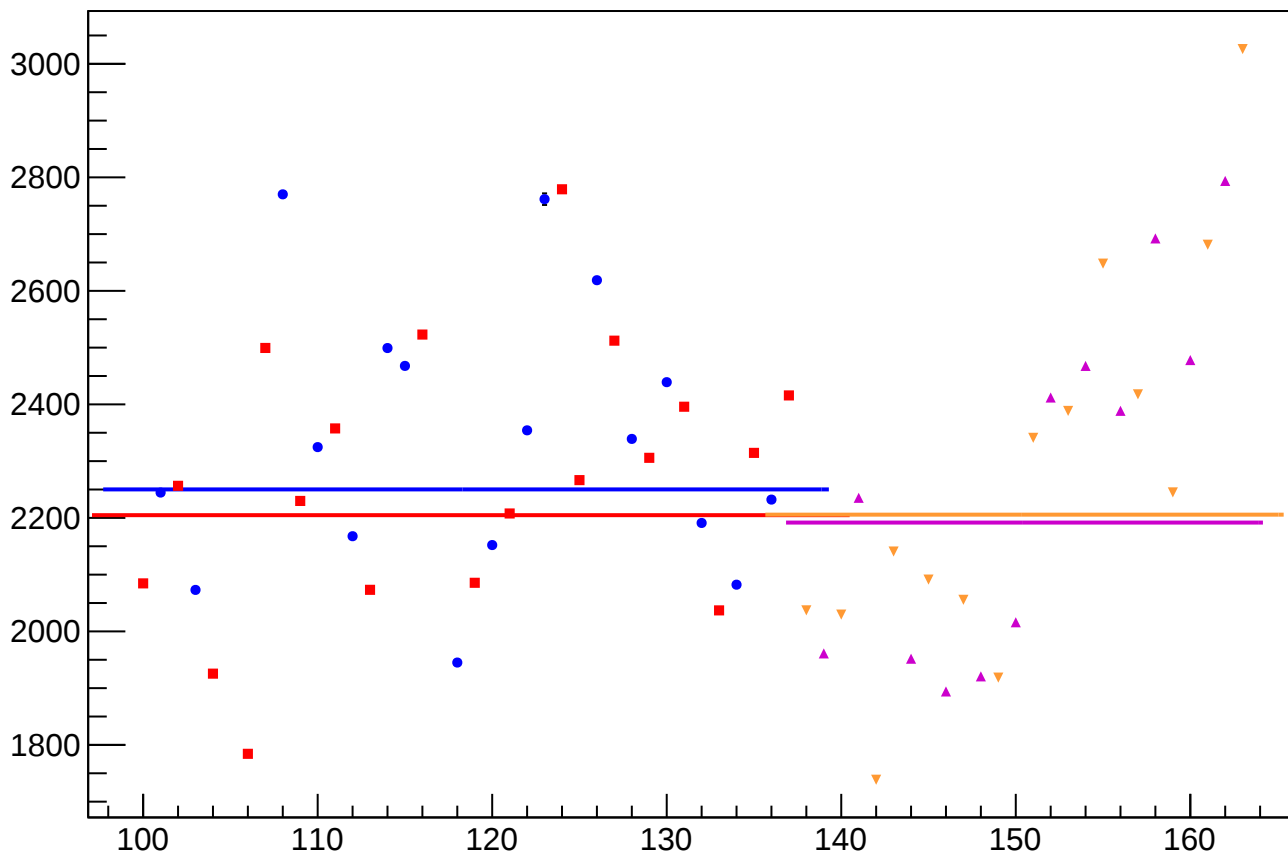
Left In: 3.645 ± 0.713 χ^2/NDF : 144.4/11

+ sign 9.040 ± 0.539 χ^2/NDF : 207.8/30

All: 4.166 ± 0.382 χ^2/NDF : 739.1/61

- sign -0.739 ± 0.541 χ^2/NDF : 367.5/30

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2205.695+/-0.486 χ^2/NDF : 364945.6/13

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

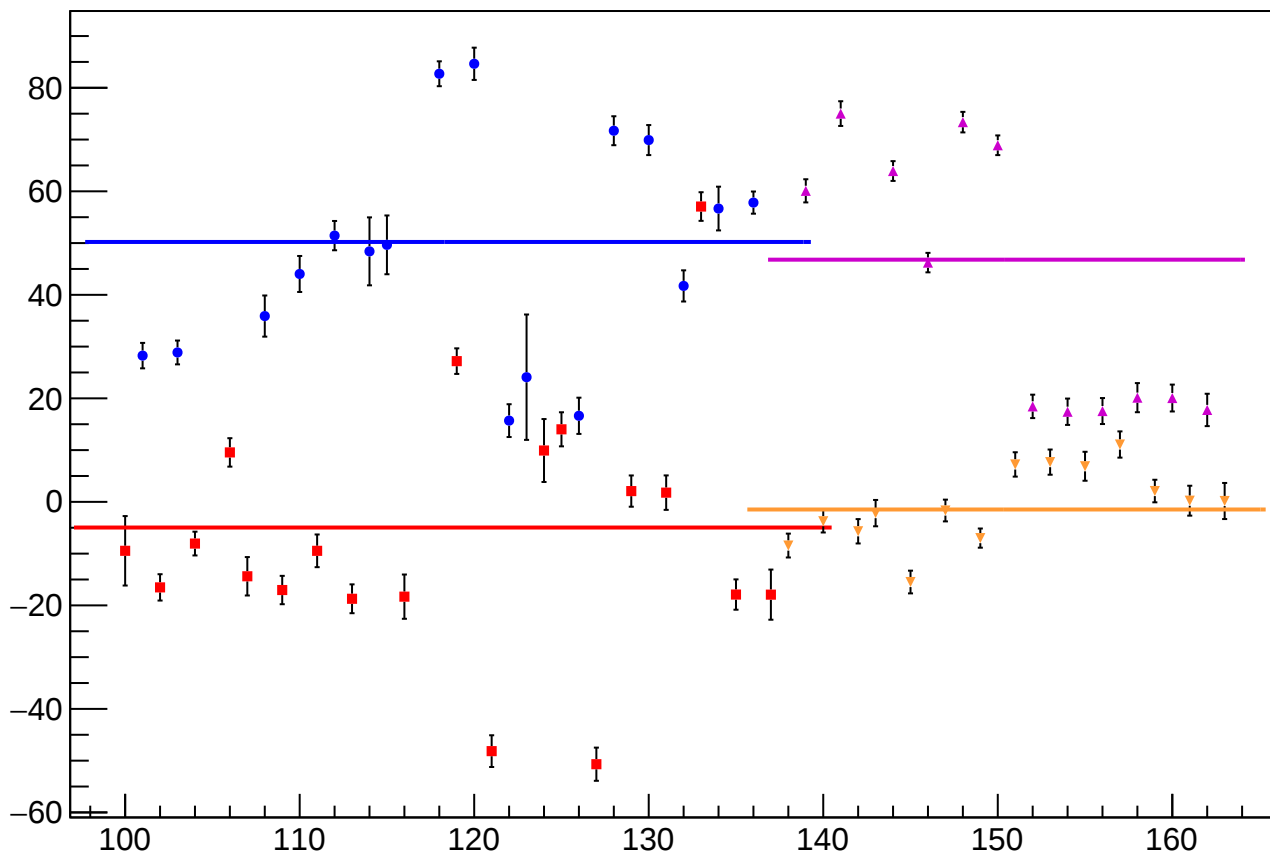
Left In: 2191.743+/-0.504 χ^2/NDF : 322195.2/11

+ sign 2222.733+/-0.381 χ^2/NDF : 465737.9/30

All: 2210.045+/-0.270 χ^2/NDF : 916664.8/61

- sign 2197.277+/-0.383 χ^2/NDF : 448706.6/30

diff_bpm0i01aX_mean vs Slug



Right In: 50.215+/-0.751 χ^2/NDF : 830.3/16

Left Out: -1.473+/-0.632 χ^2/NDF : 127.6/13

Right Out: -4.958+/-0.713 χ^2/NDF : 1262.6/18

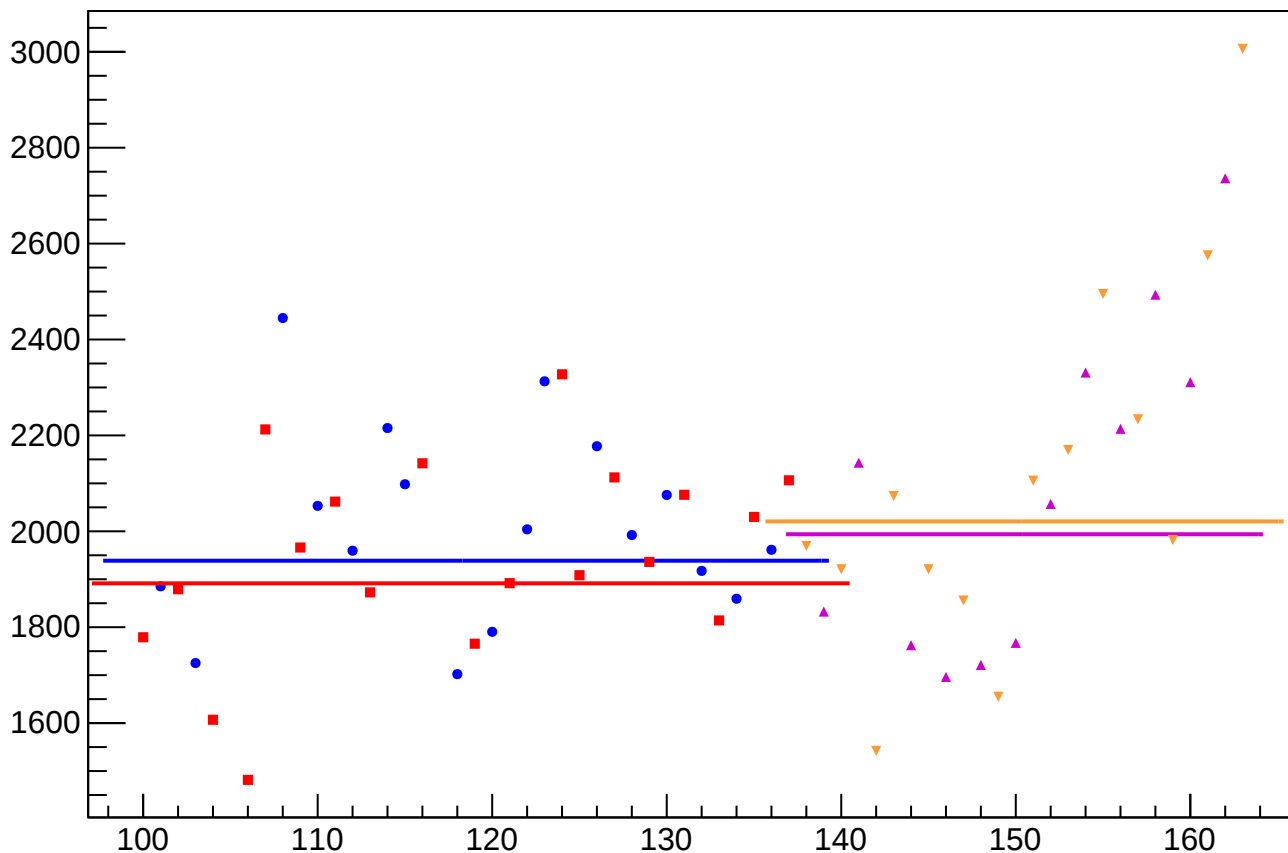
Left In: 46.793+/-0.653 χ^2/NDF : 1277.7/11

+ sign 19.951+/-0.483 χ^2/NDF : 3733.2/30

All: 21.587+/-0.341 χ^2/NDF : 9160.6/61

- sign 23.211+/-0.482 χ^2/NDF : 5404.6/30

diff_bpm0i01aX_rms vs Slug



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

Left Out: 2020.617 $\pm$ 0.447 χ^2 /NDF: 499262.7/13

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

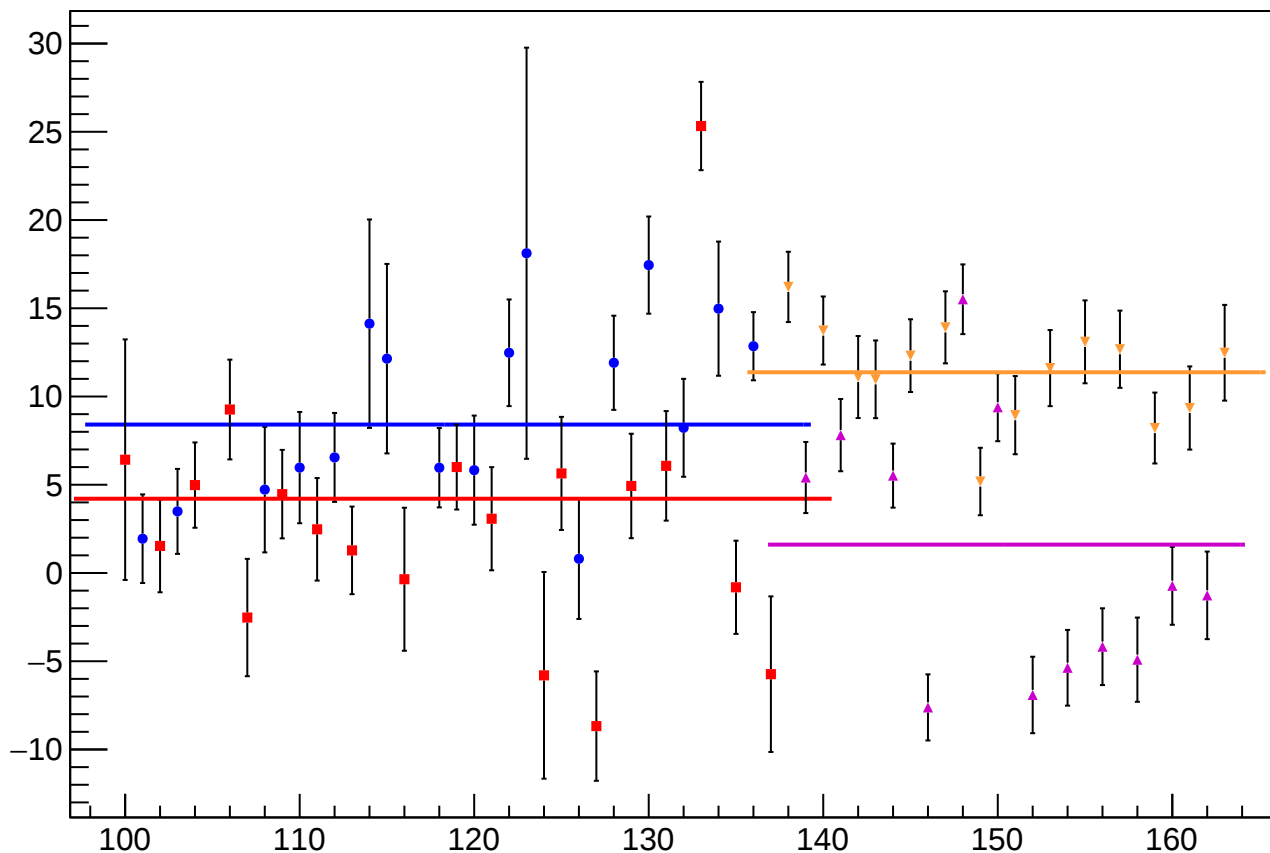
Left In: 1993.864 $\pm$ 0.462 χ^2 /NDF: 421316.8/11

+ sign 1986.659 $\pm$ 0.342 χ^2 /NDF: 613350.6/30

All: 1966.858 $\pm$ 0.241 χ^2 /NDF: 1210405.7/61

- sign 1947.204 $\pm$ 0.341 χ^2 /NDF: 590367.6/30

diff_bpm0i01aY_mean vs Slug



Right In: 8.411 ± 0.711 $\chi^2/\text{NDF}: 44.6/16$

Left Out: 11.374 ± 0.574 $\chi^2/\text{NDF}: 25.2/13$

Right Out: 4.208 ± 0.682 $\chi^2/\text{NDF}: 113.1/18$

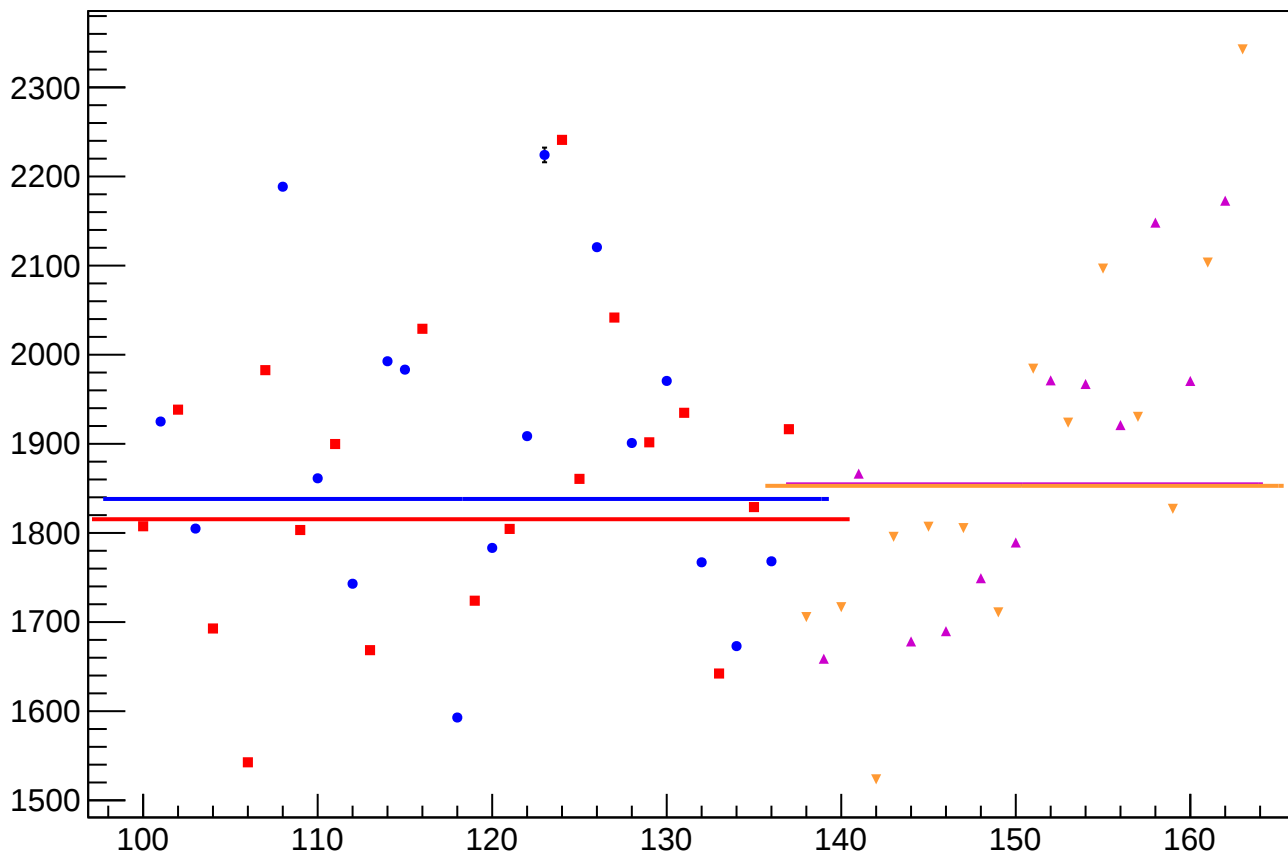
Left In: 1.607 ± 0.599 $\chi^2/\text{NDF}: 150.6/11$

+ sign 10.205 ± 0.447 $\chi^2/\text{NDF}: 80.3/30$

All: 6.502 ± 0.317 $\chi^2/\text{NDF}: 490.7/61$

- sign 2.740 ± 0.450 $\chi^2/\text{NDF}: 271.8/30$

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1852.885 $\pm$ 0.406 χ^2 /NDF: 196888.2/13

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

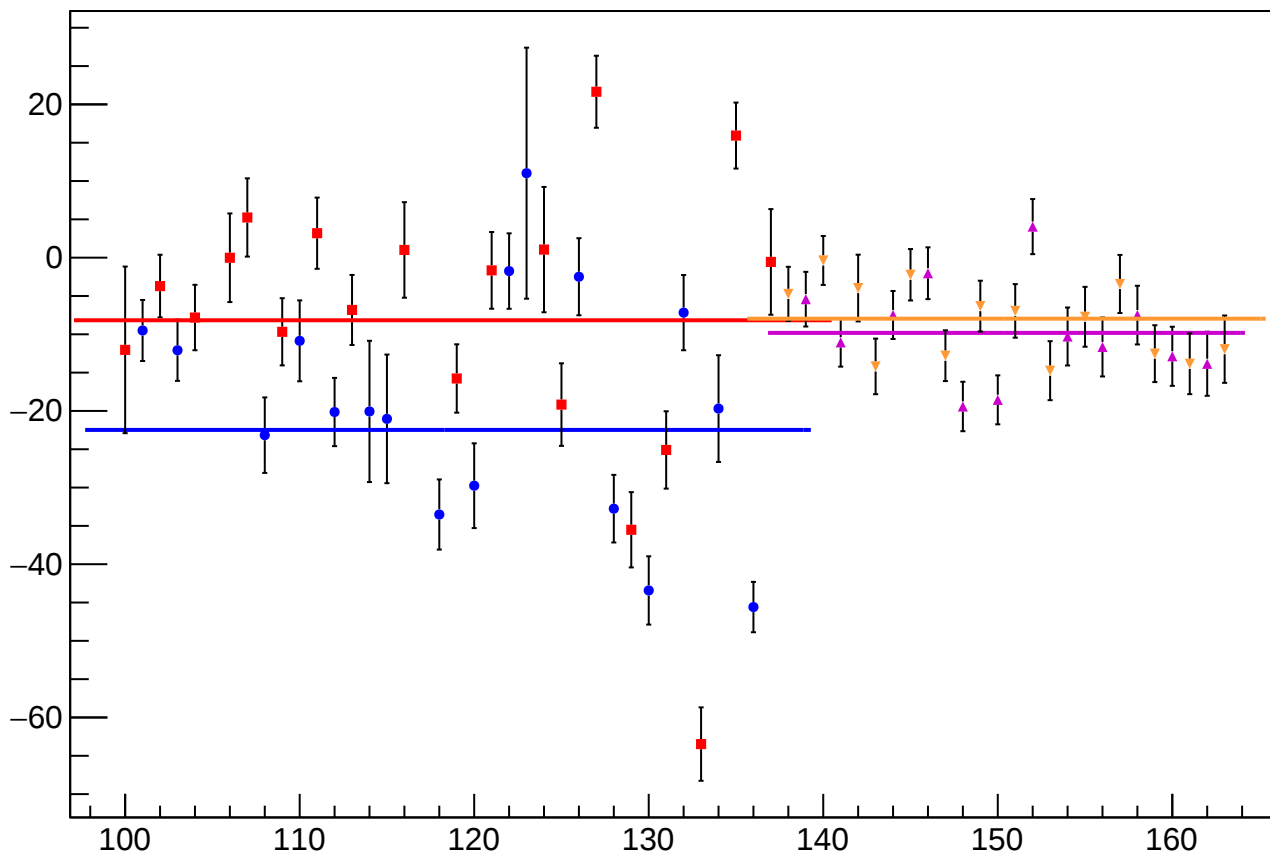
Left In: 1854.535 $\pm$ 0.424 χ^2 /NDF: 143168.7/11

+ sign 1847.069 $\pm$ 0.316 χ^2 /NDF: 280287.2/30

All: 1842.321 $\pm$ 0.224 χ^2 /NDF: 515043.9/61

- sign 1837.498 $\pm$ 0.318 χ^2 /NDF: 234301.2/30

diff_bpm0l01X_mean vs Slug



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

Left Out: -7.960 ± 0.976 χ^2/NDF : 24.7/13

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

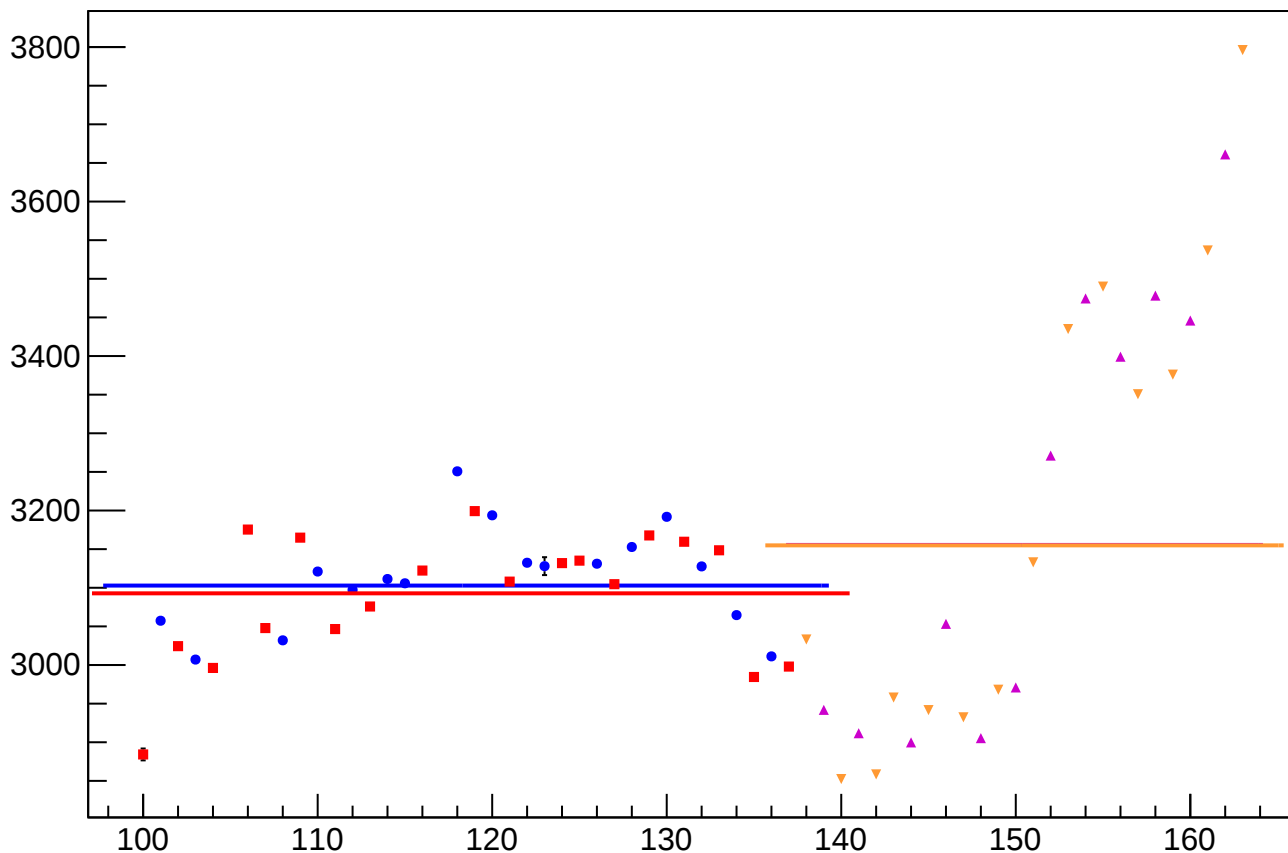
Left In: -9.814 ± 1.016 χ^2/NDF : 40.9/11

+ sign -13.769 ± 0.756 χ^2/NDF : 268.0/30

All: -11.456 ± 0.537 χ^2/NDF : 605.9/61

- sign -9.098 ± 0.763 χ^2/NDF : 319.0/30

diff_bpm0l01X_rms vs Slug



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

Left Out: 3154.898 $\pm$ 0.690 χ^2 /NDF:157941.3/13

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

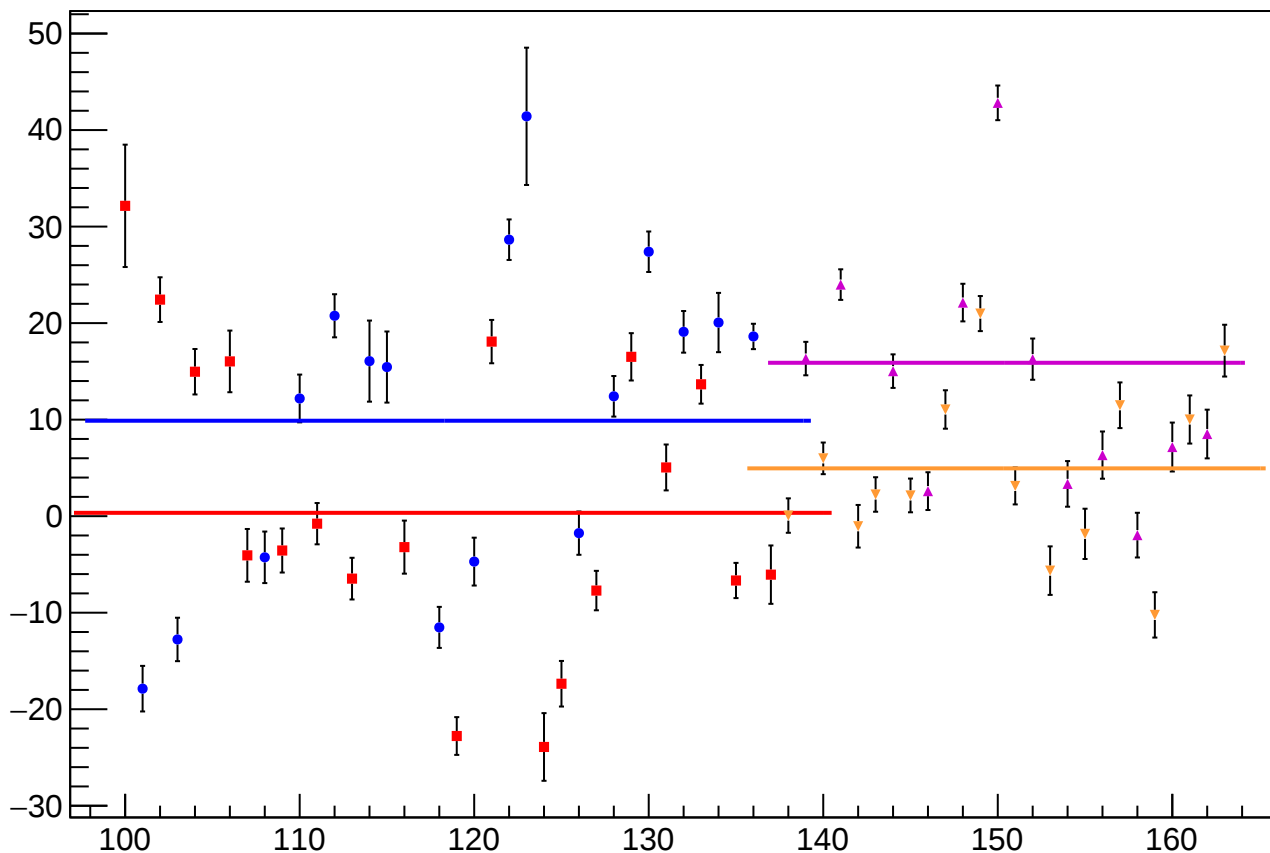
Left In: 3155.453 $\pm$ 0.718 χ^2 /NDF:132045.1/11

+ sign 3134.070 $\pm$ 0.534 χ^2 /NDF: 167563.5/30

All: 3131.151 $\pm$ 0.380 χ^2 /NDF: 310747.1/61

- sign 3128.174 $\pm$ 0.540 χ^2 /NDF: 143123.3/30

diff_bpm0l01Y_mean vs Slug



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

Left Out: 4.952 ± 0.548 χ^2/NDF : 207.1/13

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

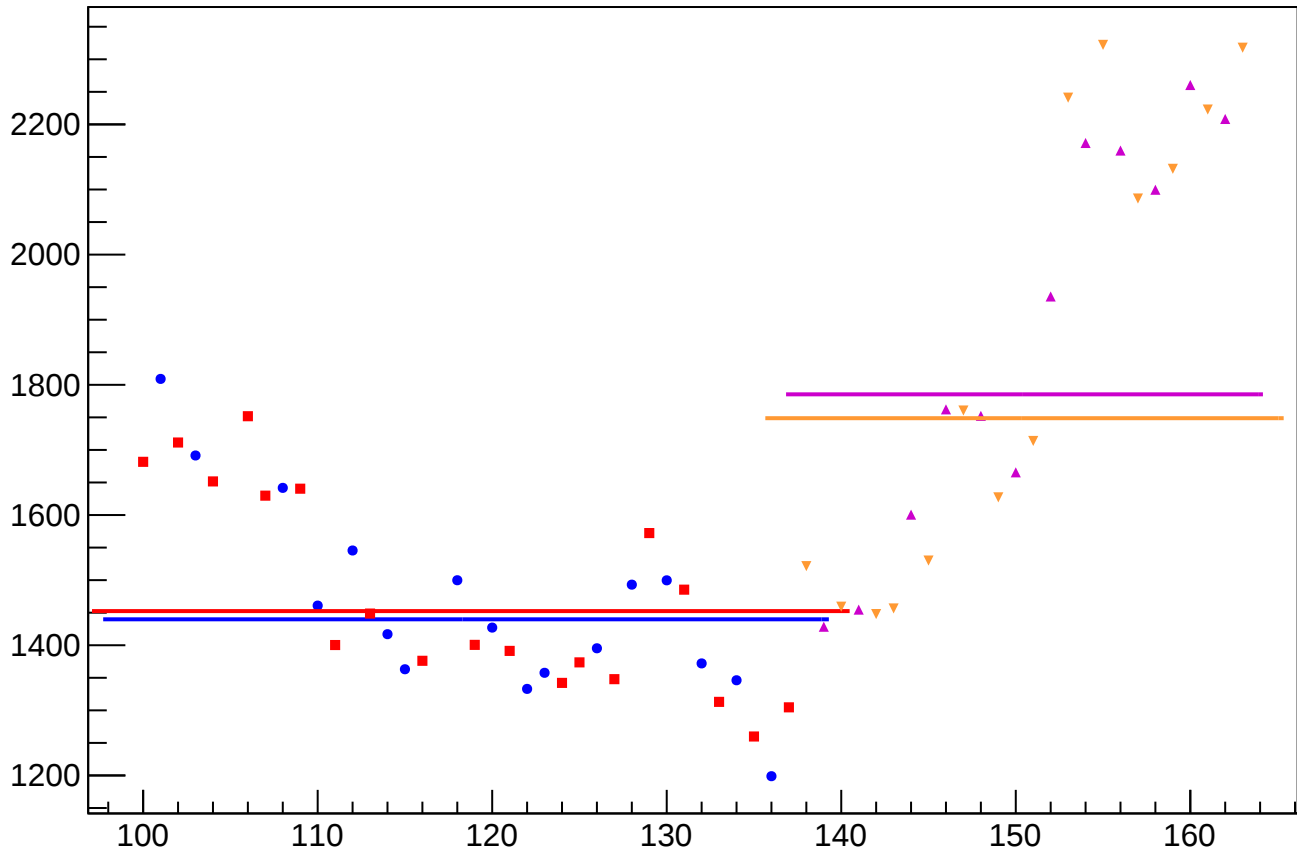
Left In: 15.891 ± 0.581 χ^2/NDF : 431.2/11

+ sign 7.370 ± 0.392 χ^2/NDF : 950.5/30

All: 7.507 ± 0.279 χ^2/NDF : 2390.3/61

- sign 7.648 ± 0.398 χ^2/NDF : 1439.6/30

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1748.741 $\pm$ 0.388 χ^2 /NDF: 656396.4/13

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

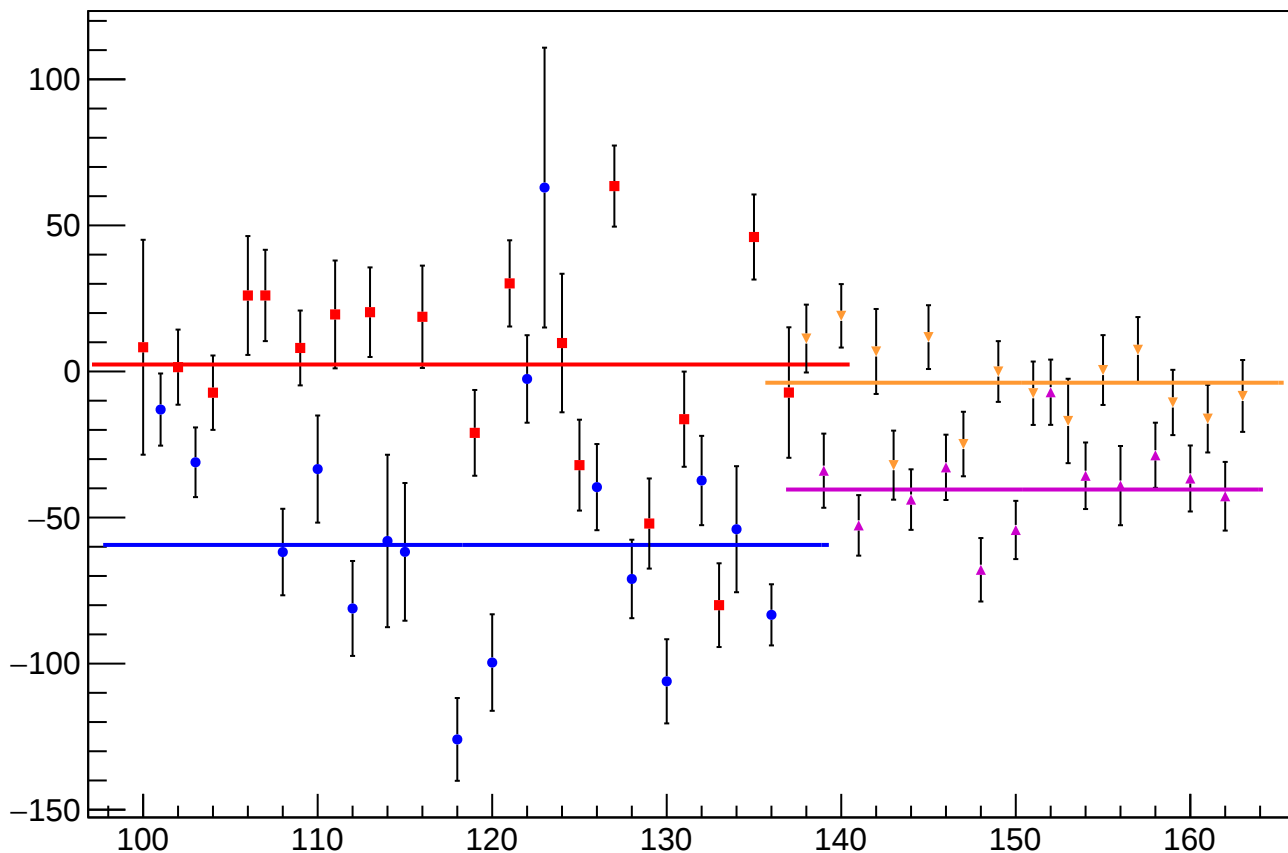
Left In: 1785.391 $\pm$ 0.411 χ^2 /NDF: 477780.2/11

+ sign 1597.405 $\pm$ 0.277 χ^2 /NDF: 1140245.4/30

All: 1603.028 $\pm$ 0.197 χ^2 /NDF: 2105577.6/63

- sign 1608.843 $\pm$ 0.282 χ^2 /NDF: 964493.4/30

diff_bpm0l02X_mean vs Slug



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

Left Out: -3.850 ± 3.102 χ^2/NDF : 21.9/13

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

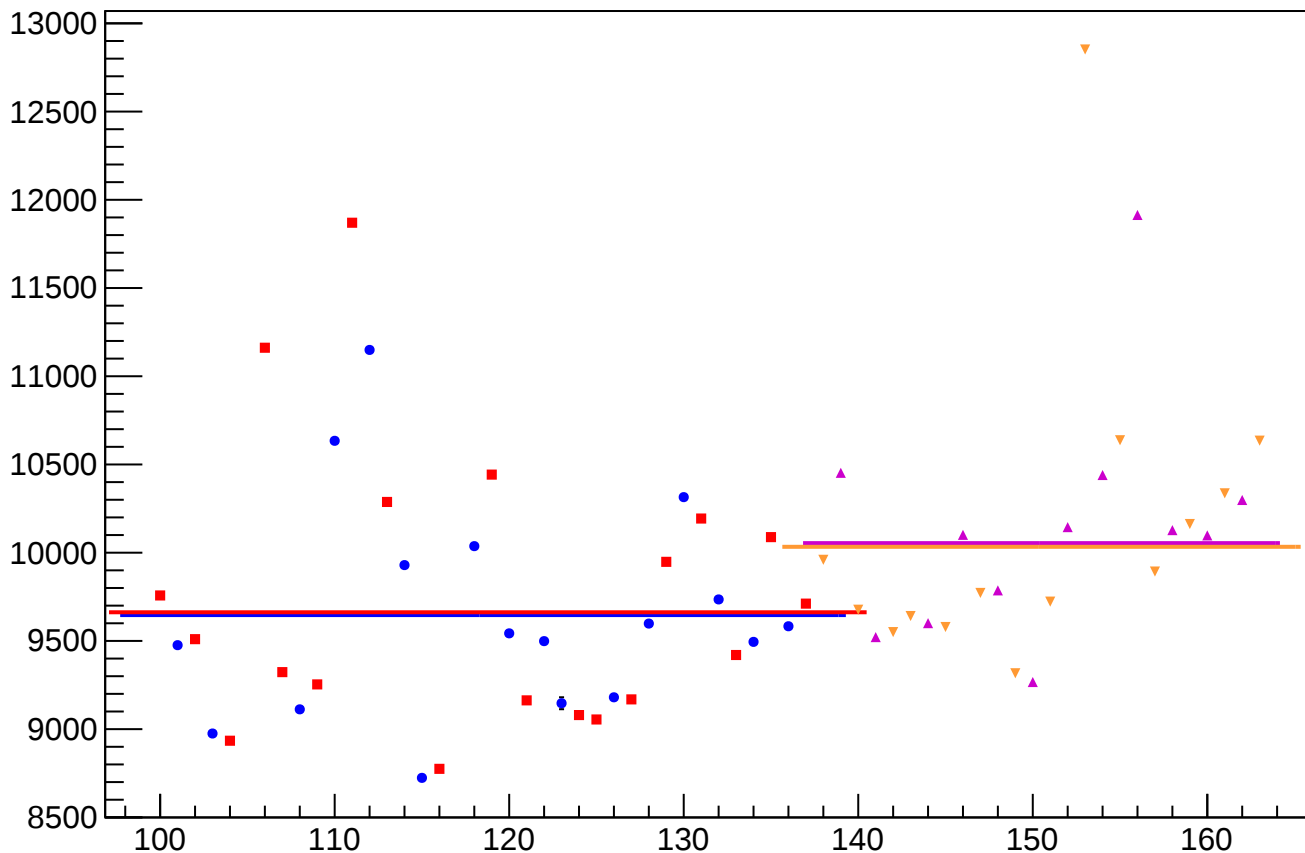
Left In: -40.410 ± 3.233 χ^2/NDF : 20.9/11

+ sign -26.557 ± 2.385 χ^2/NDF : 245.8/30

All: -24.047 ± 1.697 χ^2/NDF : 440.4/61

- sign -21.474 ± 2.414 χ^2/NDF : 192.3/30

diff_bpm0l02X_rms vs Slug



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

Left Out: 10033.385+/-2.193 χ^2/NDF : 110330.1/13

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

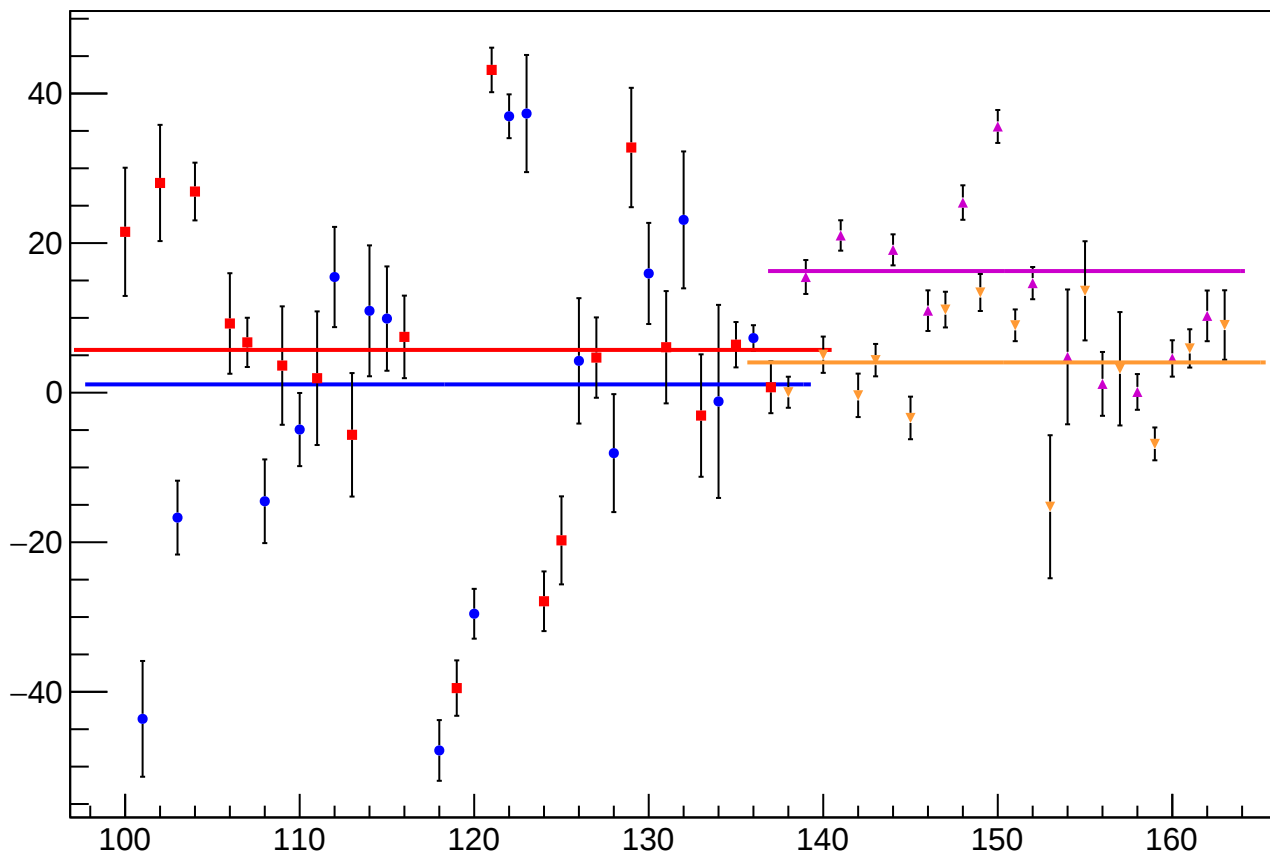
Left In: 10054.194+/-2.286 χ^2/NDF : 65854.1/11

+ sign 9875.159+/-1.686 χ^2/NDF : 167117.2/30

All: 9877.961+/-1.200 χ^2/NDF : 323556.2/61

- sign 9880.833+/-1.707 χ^2/NDF : 156433.4/30

diff_bpm0l02Y_mean vs Slug



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

Left Out: 4.044 ± 0.730 χ^2/NDF : 74.0/13

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

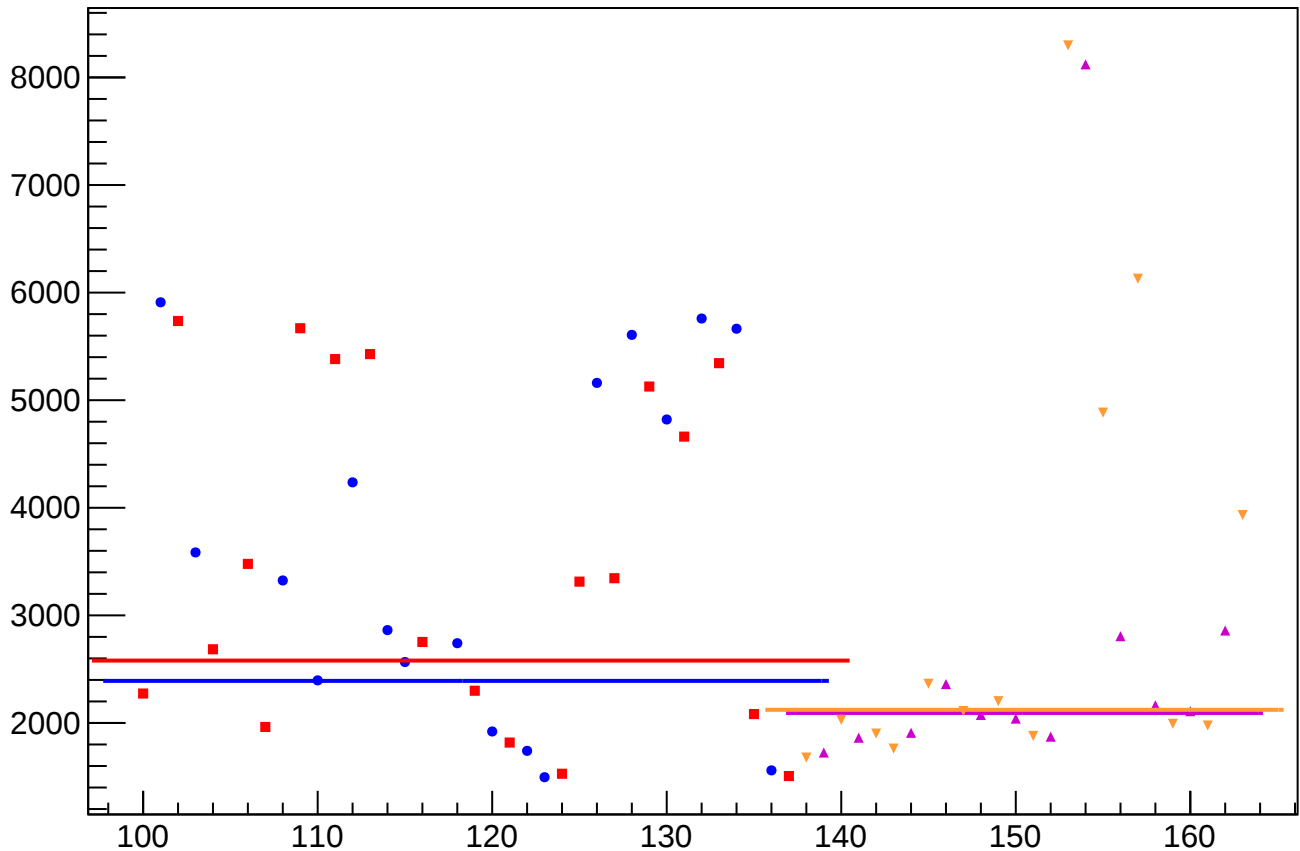
Left In: 16.262 ± 0.723 χ^2/NDF : 190.7/11

+ sign 3.106 ± 0.603 χ^2/NDF : 568.8/30

All: 8.073 ± 0.426 χ^2/NDF : 1416.3/61

- sign 13.043 ± 0.603 χ^2/NDF : 711.6/30

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2122.372+/-0.516 χ^2/NDF : 2260798.0/13

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

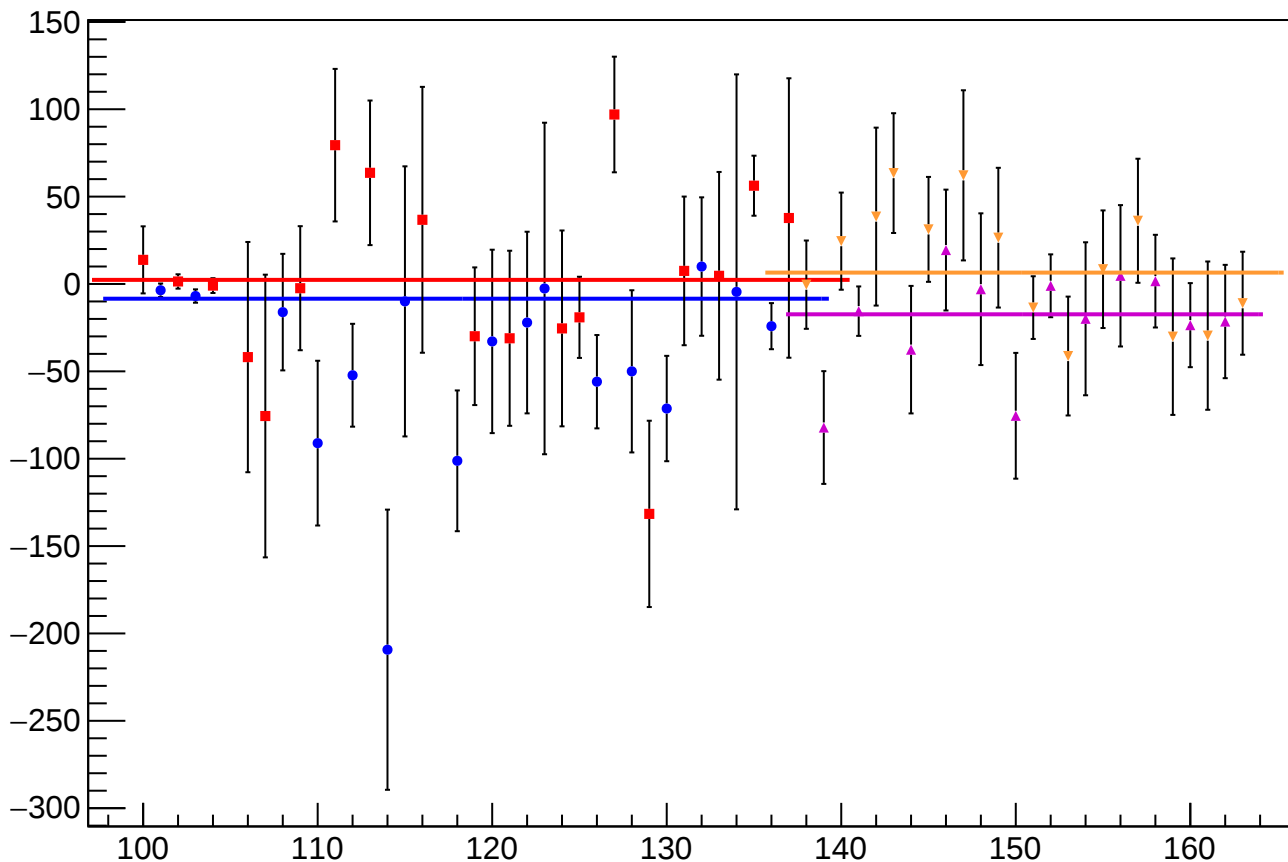
Left In: 2093.034+/-0.511 χ^2/NDF : 1190460.5/11

+ sign 2208.172+/-0.426 χ^2/NDF : 4947838.1/30

All: 2224.911+/-0.301 χ^2/NDF : 8783495.2/61

- sign 2241.663+/-0.426 χ^2/NDF : 3832568.8/30

diff_bpm0l03X_mean vs Slug



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

Left Out: 6.509 ± 8.420 χ^2/NDF : 11.6/13

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

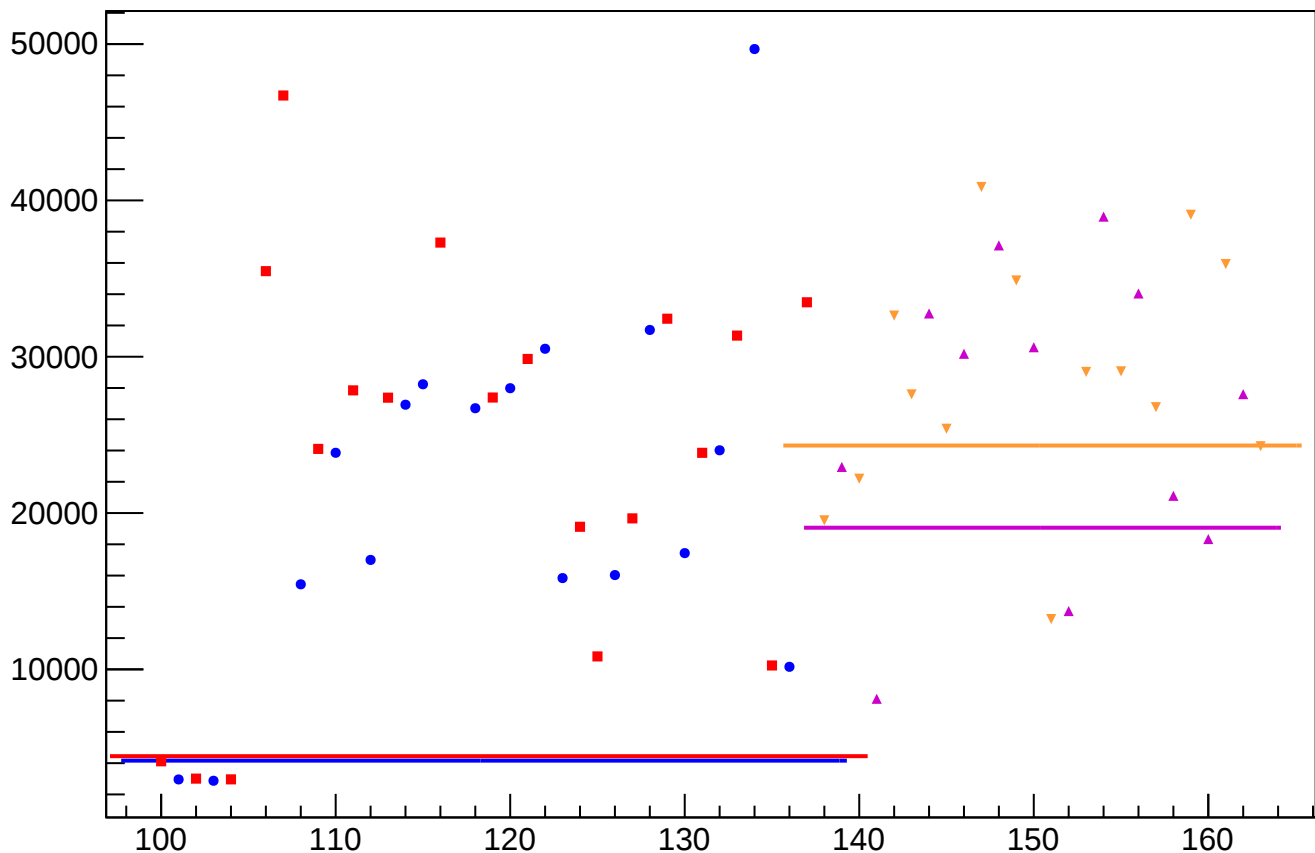
Left In: -17.355 ± 7.631 χ^2/NDF : 9.9/11

+ sign -7.141 ± 2.473 χ^2/NDF : 43.3/30

All: -3.759 ± 1.798 χ^2/NDF : 97.8/61

- sign 0.030 ± 2.618 χ^2/NDF : 50.5/30

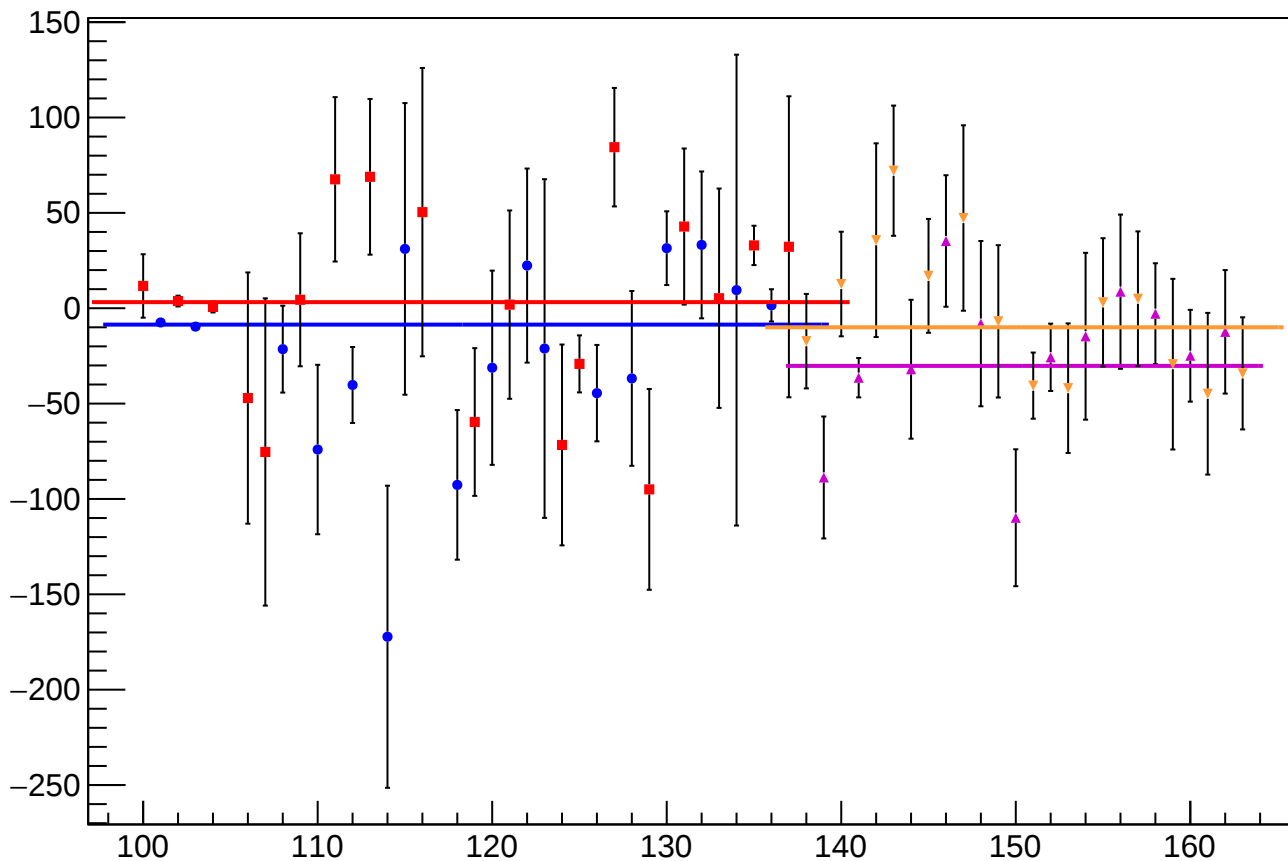
diff_bpm0l03X_rms vs Slug



Right In: 4162.318+/-1.830 χ^2/NDF : 5990070.5/16
 Left Out: 24320.201+/-5.954 χ^2/NDF : 1748385.9/13
 Right Out: 4447.123+/-1.971 χ^2/NDF : 7426930.4/18
 Left In: 19061.486+/-5.396 χ^2/NDF : 3282682.8/11

+ sign 5901.760+/-1.749 χ^2/NDF : 18213353.1/30
 All: 6026.776+/-1.271 χ^2/NDF : 35405843.4/6
 - sign 6166.823+/-1.851 χ^2/NDF : 17181655.9/30

diff_bpm0l03Y_mean vs Slug



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

Left Out: -9.985 ± 8.313 χ^2/NDF : 15.4/13

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

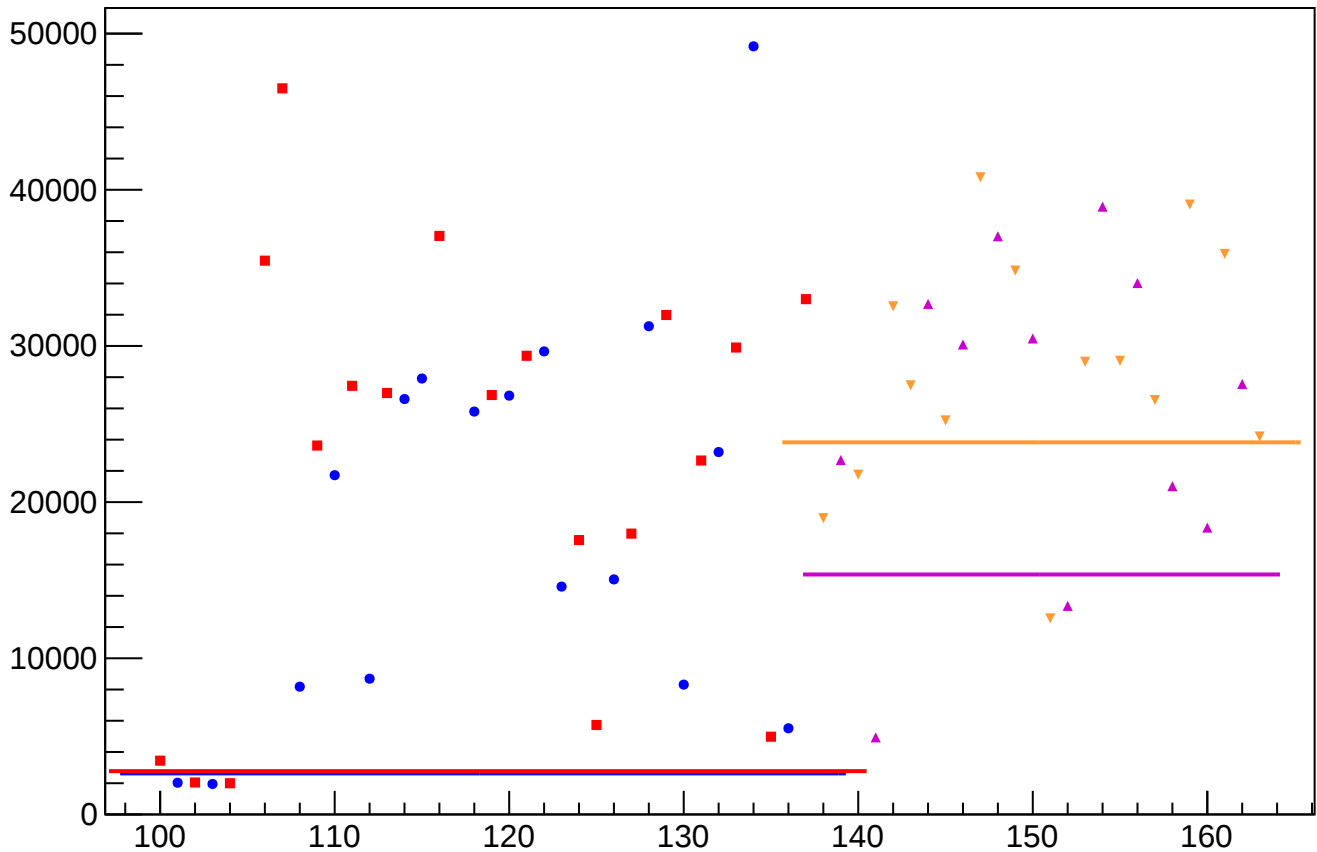
Left In: -30.232 ± 6.782 χ^2/NDF : 15.0/11

+ sign -8.648 ± 1.738 χ^2/NDF : 39.9/30

All: -4.259 ± 1.267 χ^2/NDF : 127.9/61

- sign 0.709 ± 1.849 χ^2/NDF : 74.4/30

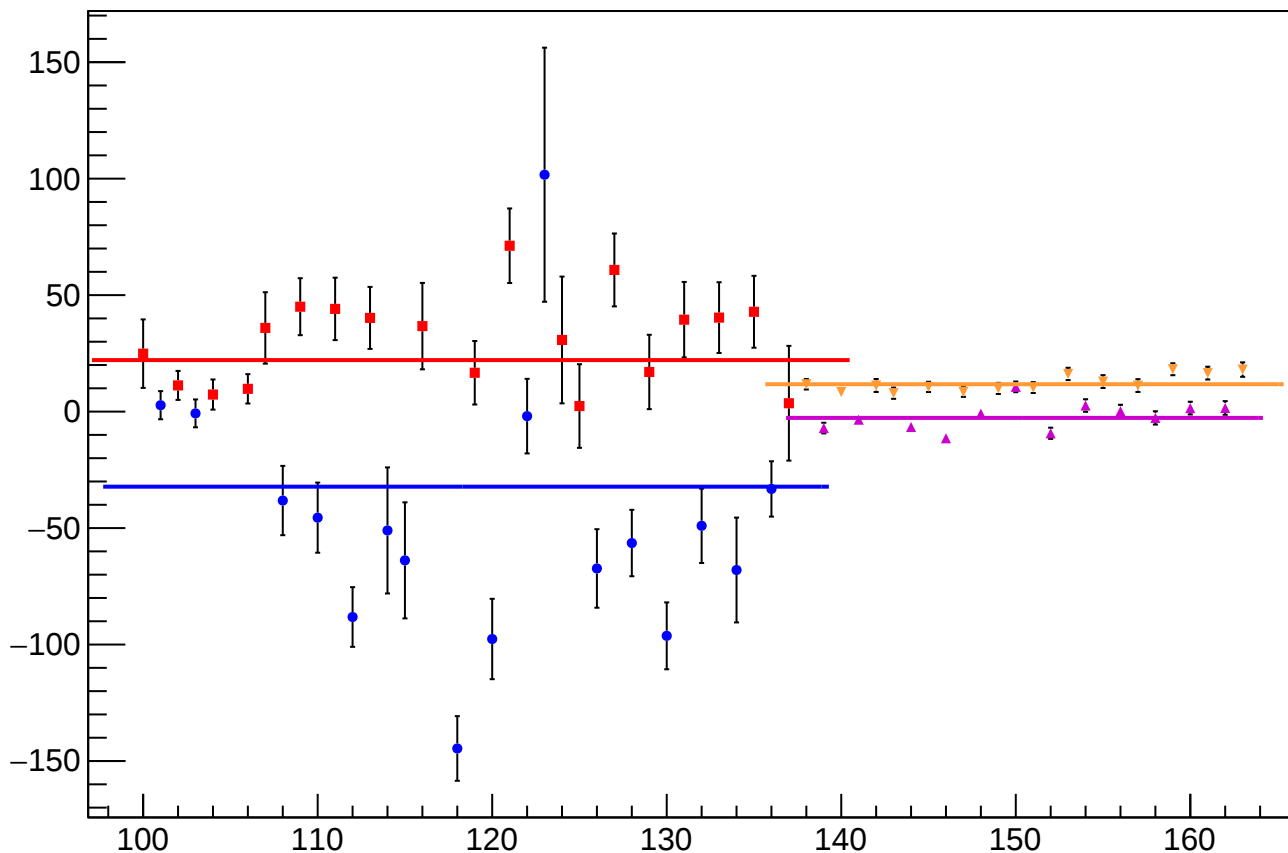
diff_bpm0l03Y_rms vs Slug



Right In: 2630.547 $\pm$ 1.257 χ^2 /NDF: 5588981.6/16
 Left Out: 23828.469 $\pm$ 5.878 χ^2 /NDF: 1914945.7/13
 Right Out: 2773.446 $\pm$ 1.359 χ^2 /NDF: 7835878.7/18
 Left In: 15366.599 $\pm$ 4.796 χ^2 /NDF: 5261955.6/11

+ sign 3557.598 $\pm$ 1.229 χ^2 /NDF: 19940027.9/30
 All: 3629.004 $\pm$ 0.896 χ^2 /NDF: 39427656.7/6
 - sign 3709.815 $\pm$ 1.308 χ^2 /NDF: 19480435.9/30

diff_bpm0l04X_mean vs Slug



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

Left Out: 11.750 ± 0.662 χ^2/NDF : 24.7/13

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

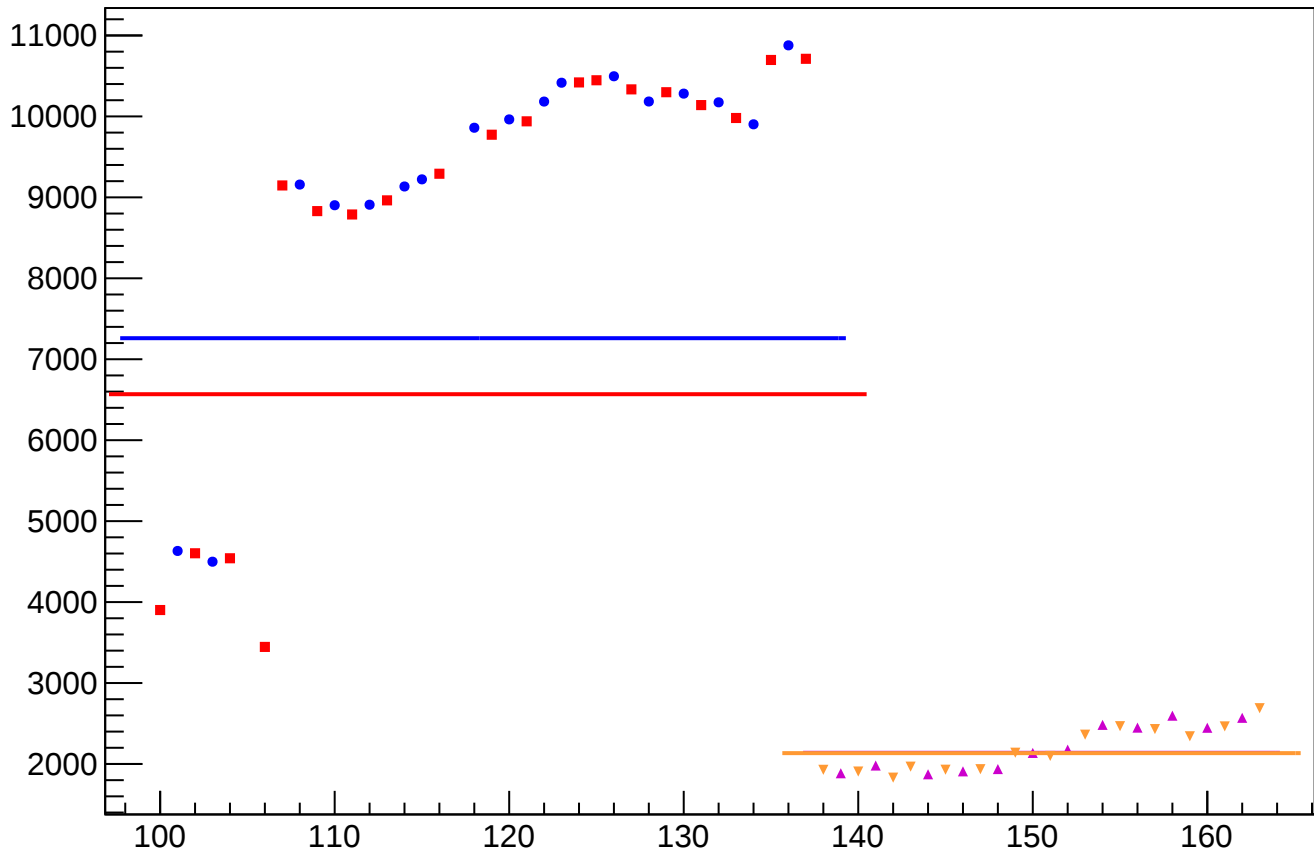
Left In: -2.699 ± 0.691 χ^2/NDF : 76.0/11

+ sign 9.683 ± 0.646 χ^2/NDF : 435.7/30

All: 4.459 ± 0.465 χ^2/NDF : 771.6/61

- sign -1.140 ± 0.669 χ^2/NDF : 200.7/30

diff_bpm0l04X_rms vs Slug



Right In: 7260.081+/-2.108 χ^2/NDF : 1636373.2/16

Left Out: 2133.915+/-0.468 χ^2/NDF : 279150.6/13

Right Out: 6568.180+/-1.887 χ^2/NDF : 2196546.0/18

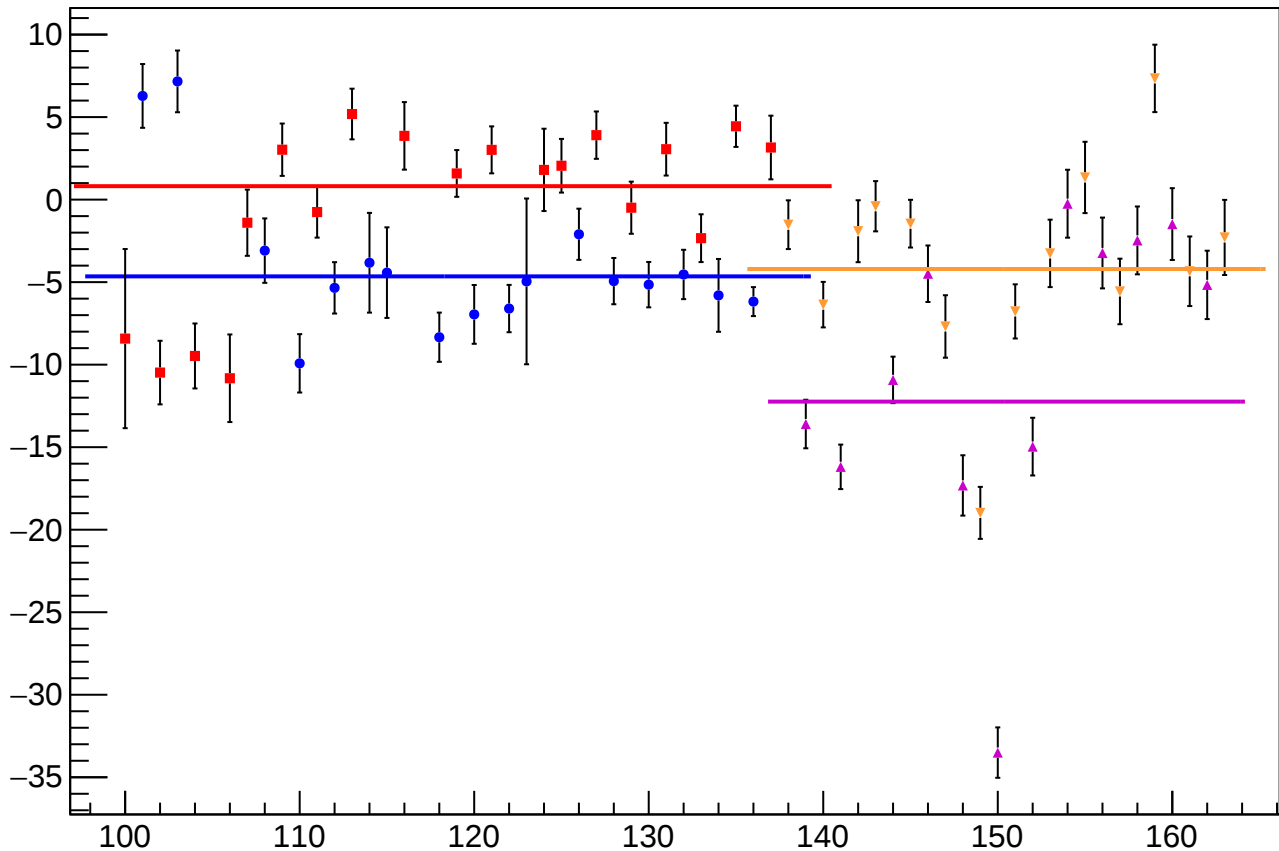
Left In: 2137.992+/-0.489 χ^2/NDF : 288931.3/11

+ sign 2374.896+/-0.457 χ^2/NDF : 7550130.5/30

All: 2394.980+/-0.329 χ^2/NDF : 15202325.9/6

- sign 2416.510+/-0.473 χ^2/NDF : 7648195.2/30

diff_bpm0l04Y_mean vs Slug



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

Left Out: -4.205 ± 0.466 χ^2/NDF : 150.9/13

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

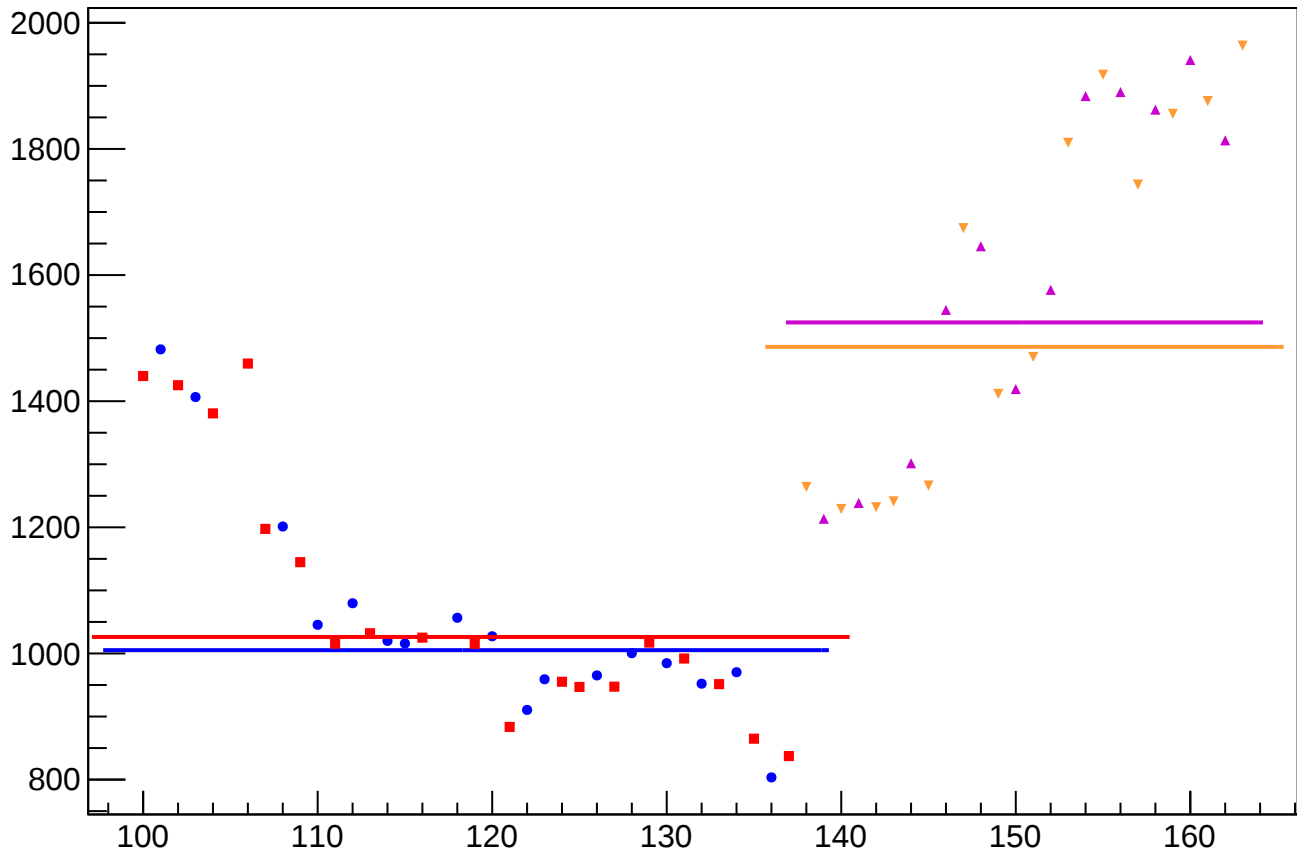
Left In: -12.240 ± 0.497 χ^2/NDF : 345.2/11

+ sign -4.466 ± 0.300 χ^2/NDF : 249.0/30

All: -4.304 ± 0.214 χ^2/NDF : 1146.6/61

- sign -4.136 ± 0.306 χ^2/NDF : 897.0/30

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1486.127 ± 0.330 $\chi^2/\text{NDF}: 659449.2/13$

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

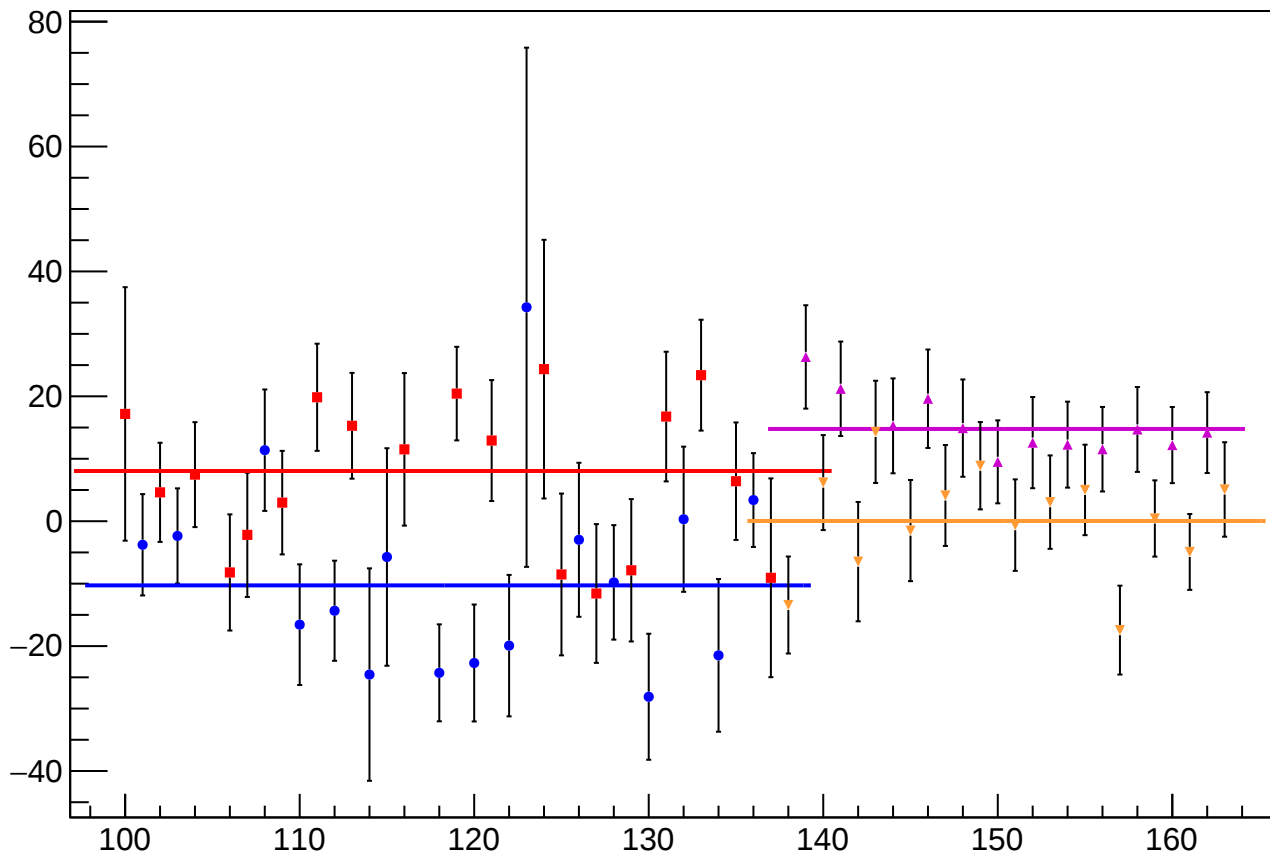
Left In: 1524.890 ± 0.351 $\chi^2/\text{NDF}: 535152.6/11$

+ sign 1204.693 ± 0.212 $\chi^2/\text{NDF}: 2265900.9/30$

All: 1209.893 ± 0.152 $\chi^2/\text{NDF}: 4385334.1/63$

- sign 1215.294 ± 0.216 $\chi^2/\text{NDF}: 2118211.0/30$

diff_bpm0l05X_mean vs Slug



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

Left Out: 0.040 ± 1.971 χ^2/NDF : 16.8/13

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

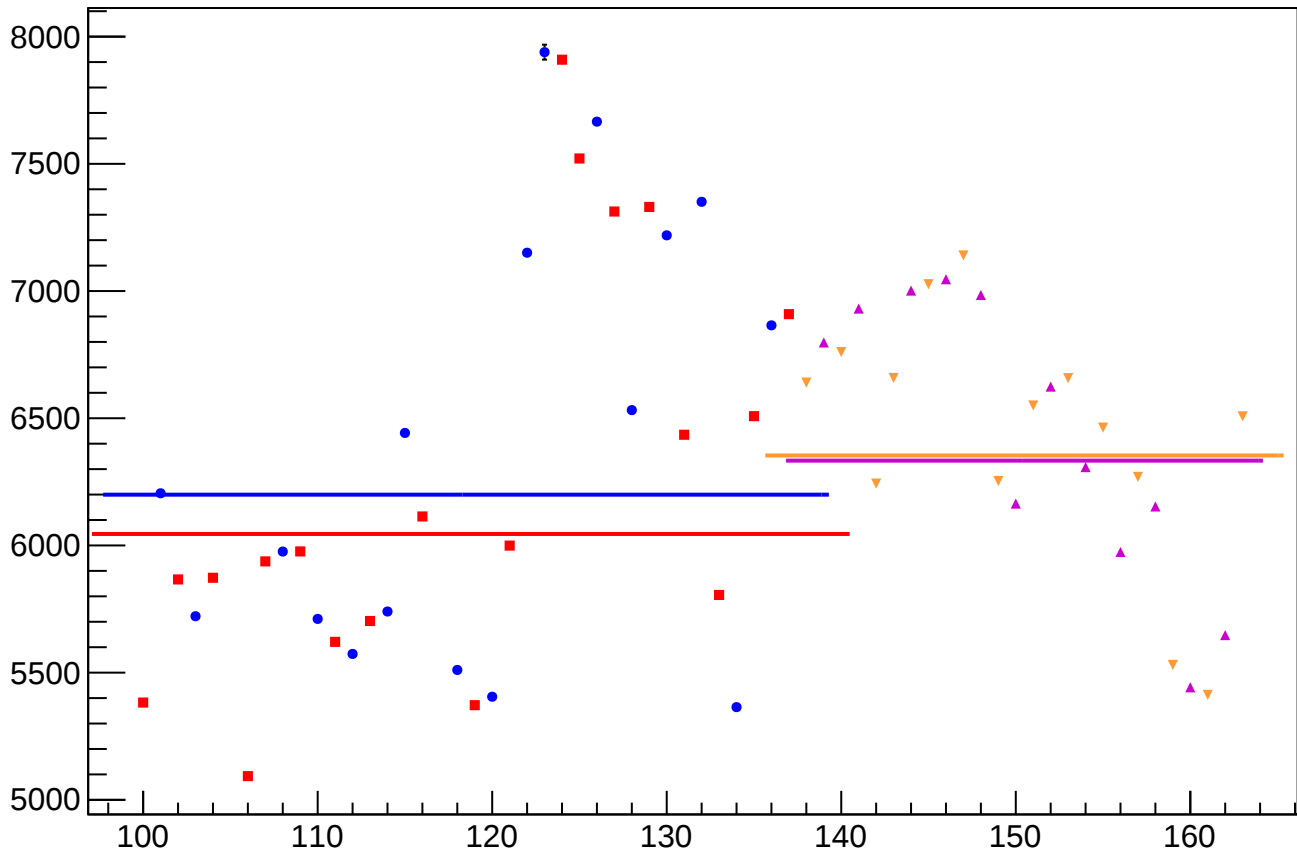
Left In: 14.773 ± 2.047 χ^2/NDF : 4.3/11

+ sign -4.099 ± 1.525 χ^2/NDF : 51.3/30

All: 3.847 ± 1.078 χ^2/NDF : 137.4/61

- sign 11.767 ± 1.523 χ^2/NDF : 31.9/30

diff_bpm0l05X_rms vs Slug



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

Left Out: 6353.663 $\pm$ 1.394 χ^2 /NDF: 135300.0/13

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

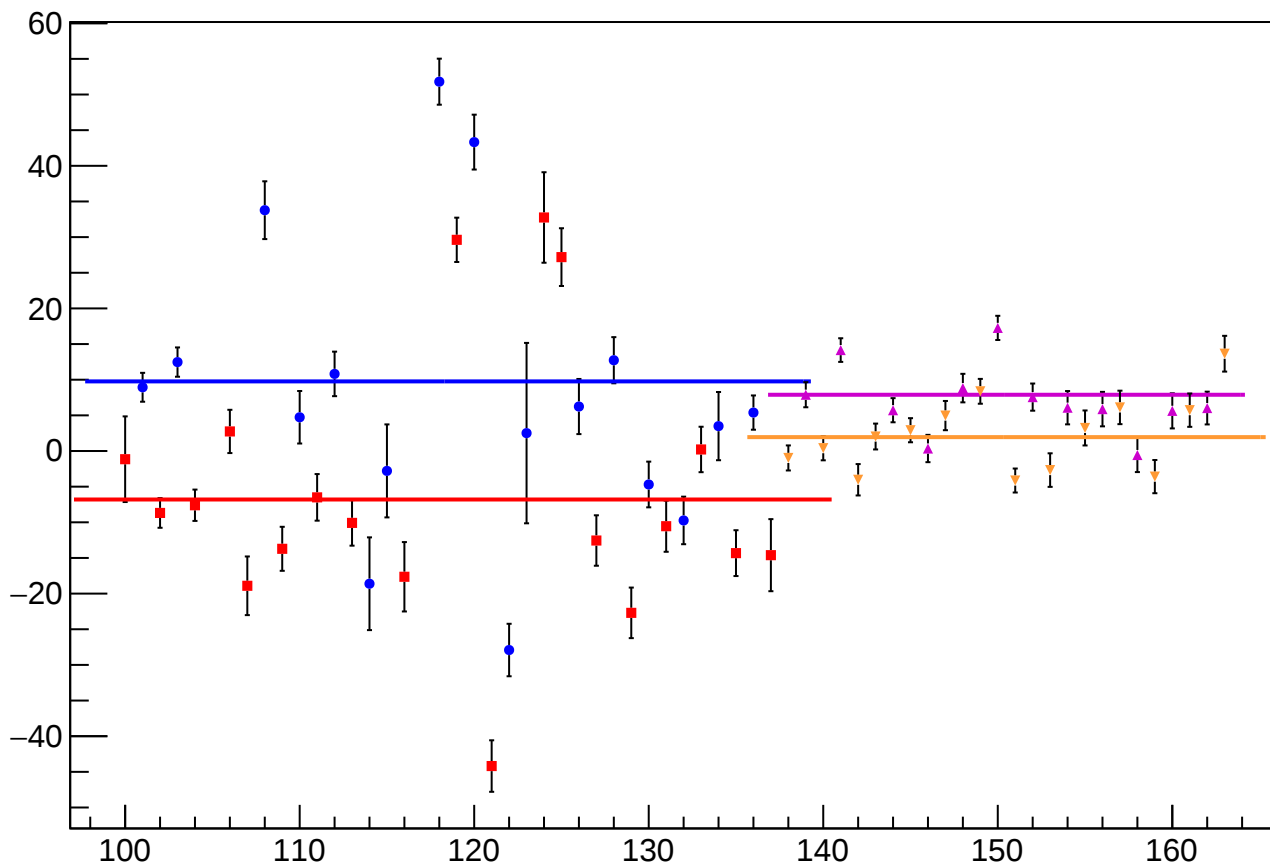
Left In: 6333.387 $\pm$ 1.447 χ^2 /NDF: 141278.3/11

+ sign 6291.861 $\pm$ 1.078 χ^2 /NDF: 311962.4/30

All: 6248.196 $\pm$ 0.762 χ^2 /NDF: 632548.3/61

- sign 6204.674 $\pm$ 1.077 χ^2 /NDF: 317312.4/30

diff_bpm0l05Y_mean vs Slug



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

Left Out: 1.947 ± 0.534 χ^2/NDF : 77.5/13

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

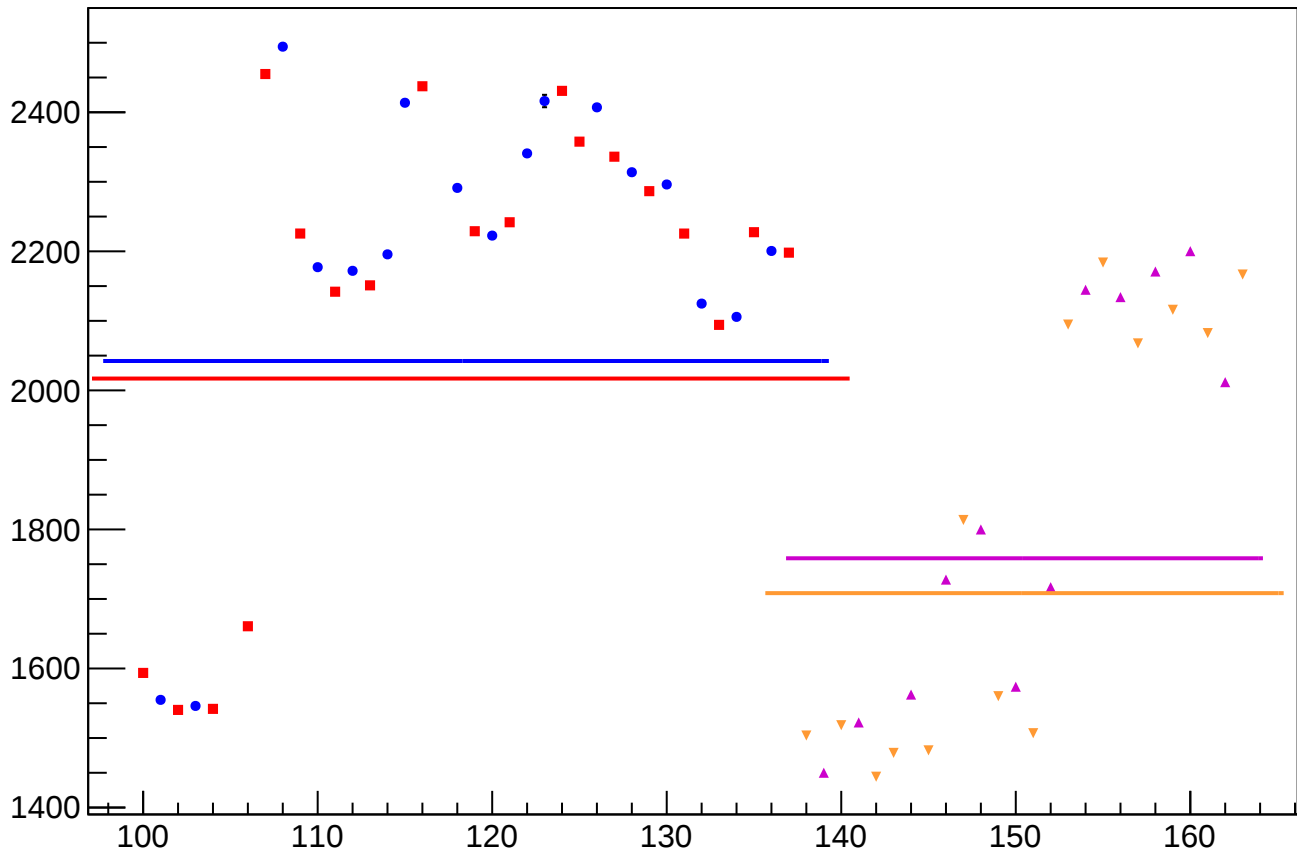
Left In: 7.889 ± 0.571 χ^2/NDF : 77.5/11

+ sign 4.371 ± 0.444 χ^2/NDF : 617.6/30

All: 3.527 ± 0.319 χ^2/NDF : 1361.3/61

- sign 2.629 ± 0.458 χ^2/NDF : 736.2/30

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1708.377+/-0.378 χ^2/NDF : 552127.6/13

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

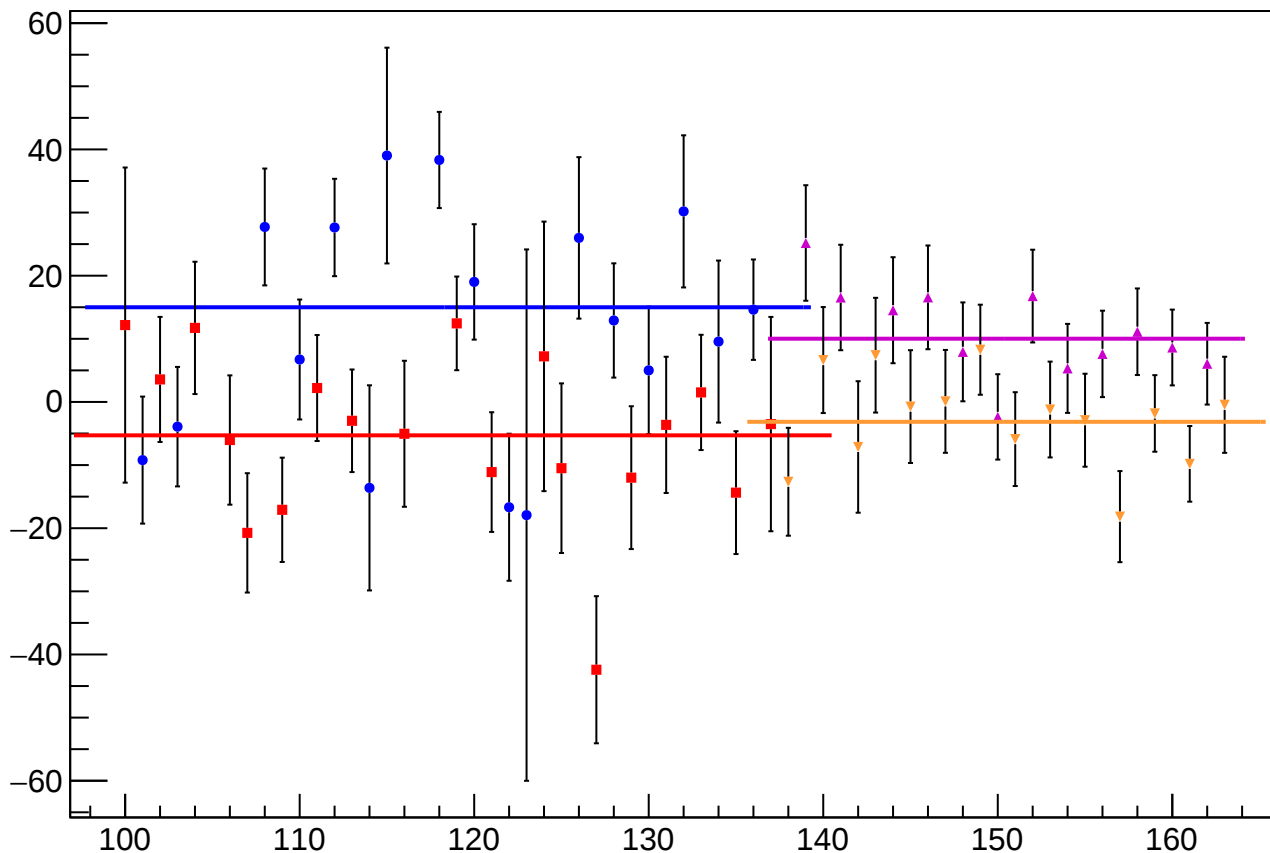
Left In: 1758.513+/-0.404 χ^2/NDF : 405939.8/11

+ sign 1811.914+/-0.314 χ^2/NDF : 1151210.1/30

All: 1830.893+/-0.225 χ^2/NDF : 2087029.8/63

- sign 1851.079+/-0.324 χ^2/NDF : 928269.4/30

diff_bpm0l06X_mean vs Slug



Right In: 14.997 ± 2.485 $\chi^2/\text{NDF}: 41.3/16$

Left Out: -3.146 ± 2.033 $\chi^2/\text{NDF}: 12.8/13$

Right Out: -5.291 ± 2.357 $\chi^2/\text{NDF}: 28.1/18$

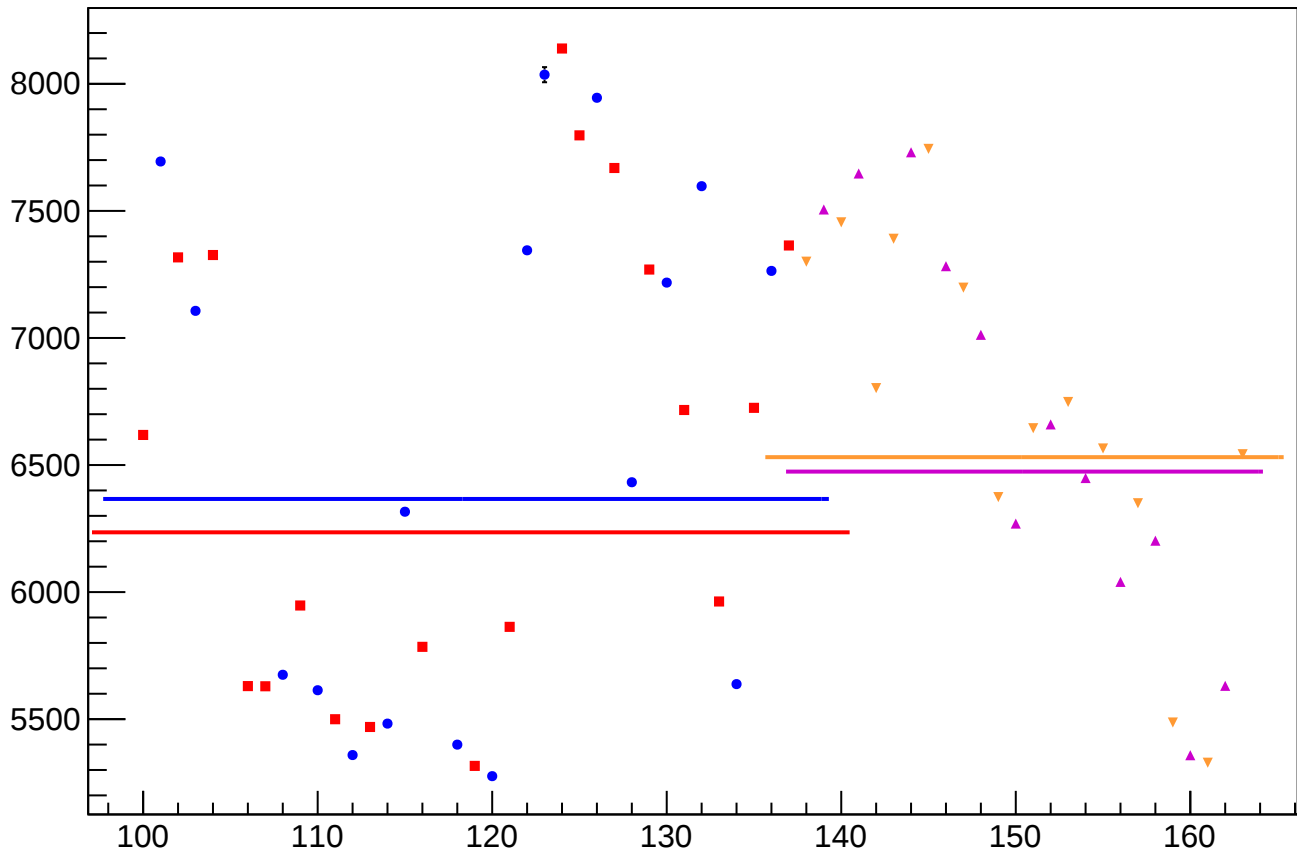
Left In: 10.017 ± 2.102 $\chi^2/\text{NDF}: 9.6/11$

+ sign 4.128 ± 1.574 $\chi^2/\text{NDF}: 86.1/30$

All: 3.681 ± 1.111 $\chi^2/\text{NDF}: 147.4/61$

- sign 3.237 ± 1.569 $\chi^2/\text{NDF}: 61.1/30$

diff_bpm0l06X_rms vs Slug



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

Left Out: 6530.967+/-1.438 χ^2/NDF : 254249.7/13

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

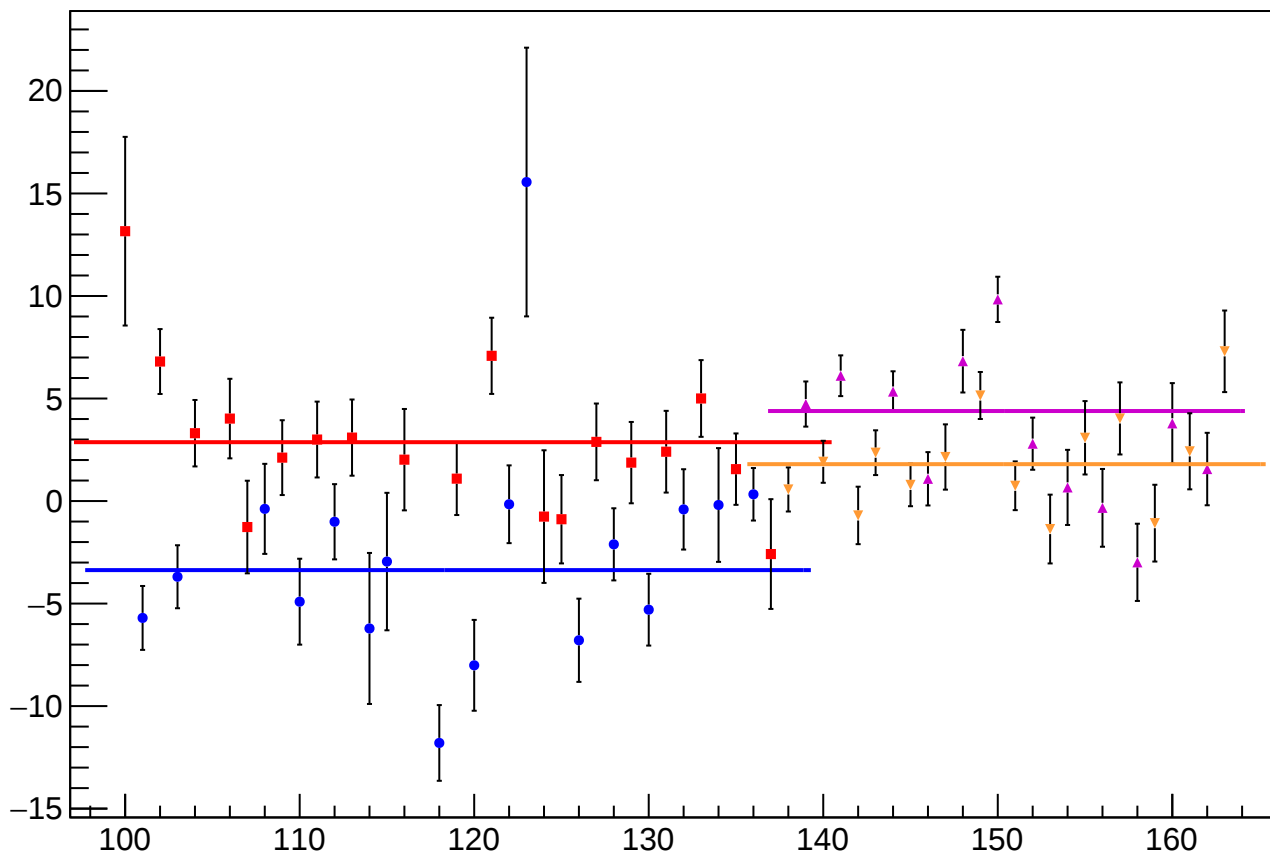
Left In: 6474.162+/-1.486 χ^2/NDF : 255893.2/11

+ sign 6465.026+/-1.113 χ^2/NDF : 545991.9/30

All: 6416.525+/-0.786 χ^2/NDF : 1060328.2/63

- sign 6368.321+/-1.109 χ^2/NDF : 510548.3/30

diff_bpm0l06Y_mean vs Slug



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

Left Out: 1.799 ± 0.359 χ^2/NDF : 30.9/13

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

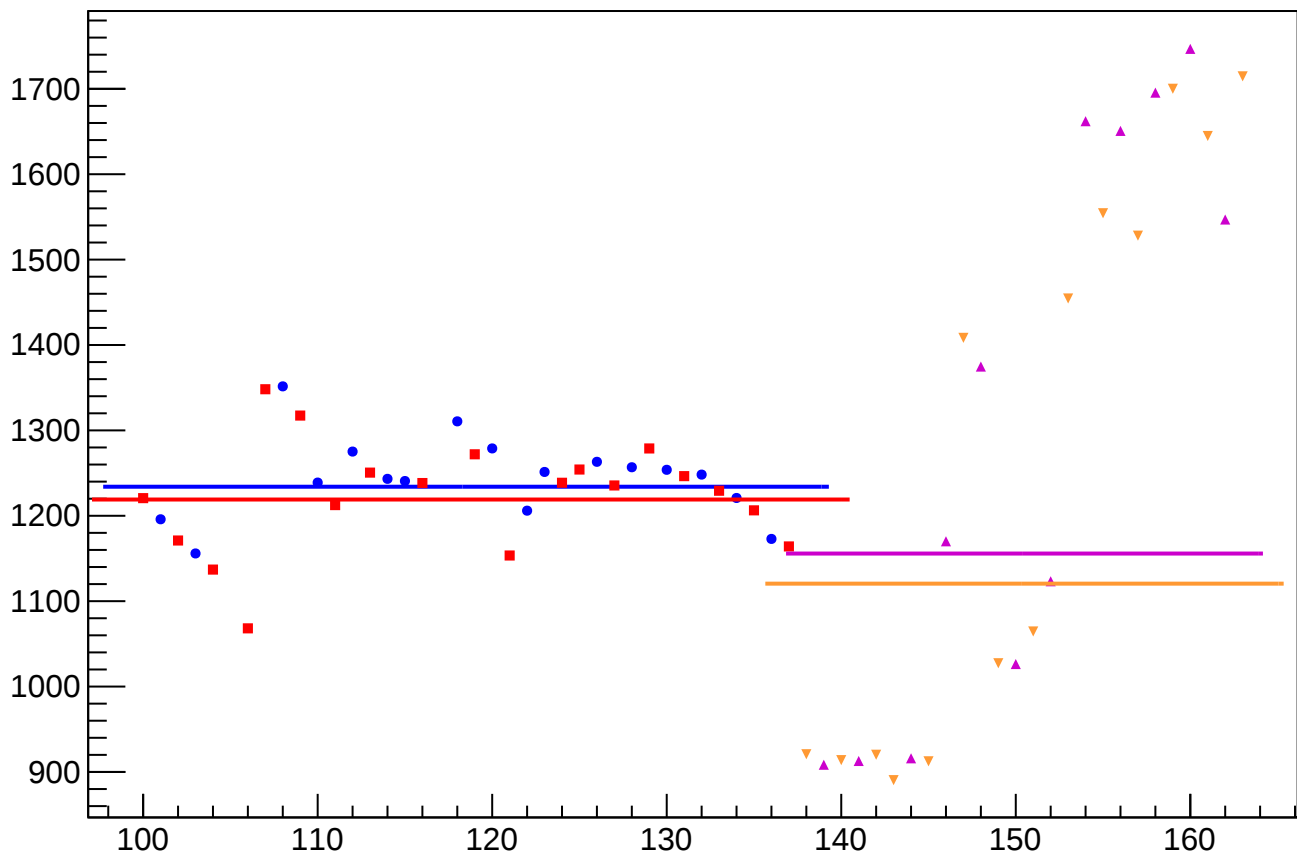
Left In: 4.390 ± 0.385 χ^2/NDF : 67.3/11

+ sign -0.075 ± 0.286 χ^2/NDF : 166.0/30

All: 1.791 ± 0.205 χ^2/NDF : 359.1/61

- sign 3.759 ± 0.294 χ^2/NDF : 105.8/30

diff_bpm0l06Y_rms vs Slug



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

Left Out: 1120.517+/-0.254 χ^2/NDF : 1277304.7/13

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

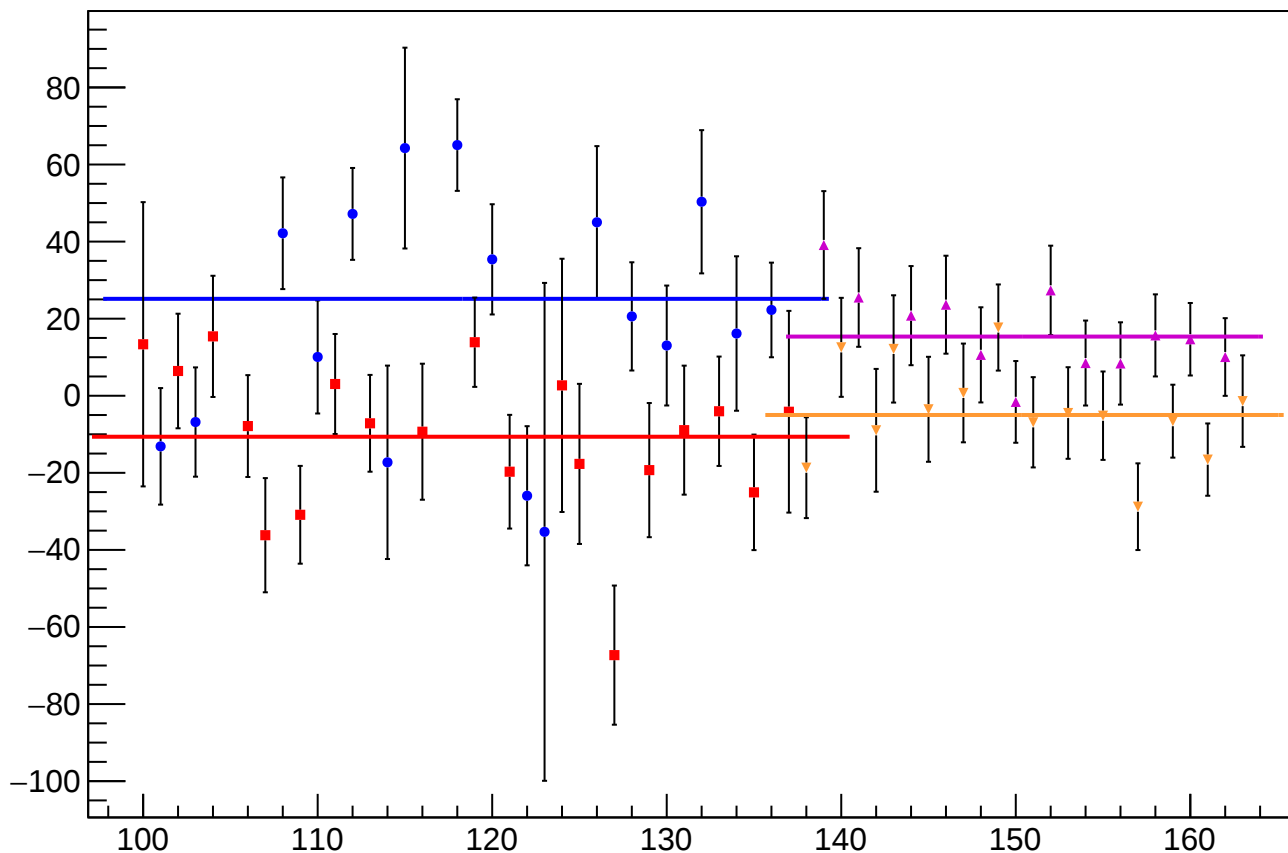
Left In: 1155.774+/-0.272 χ^2/NDF : 1140915.4/11

+ sign 1161.682+/-0.202 χ^2/NDF : 1373509.2/30

All: 1171.594+/-0.145 χ^2/NDF : 2582189.1/63

- sign 1182.051+/-0.208 χ^2/NDF : 1203756.1/30

diff_bpm0l07X_mean vs Slug



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

Left Out: -4.990 ± 3.162 $\chi^2/\text{NDF}: 15.0/13$

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

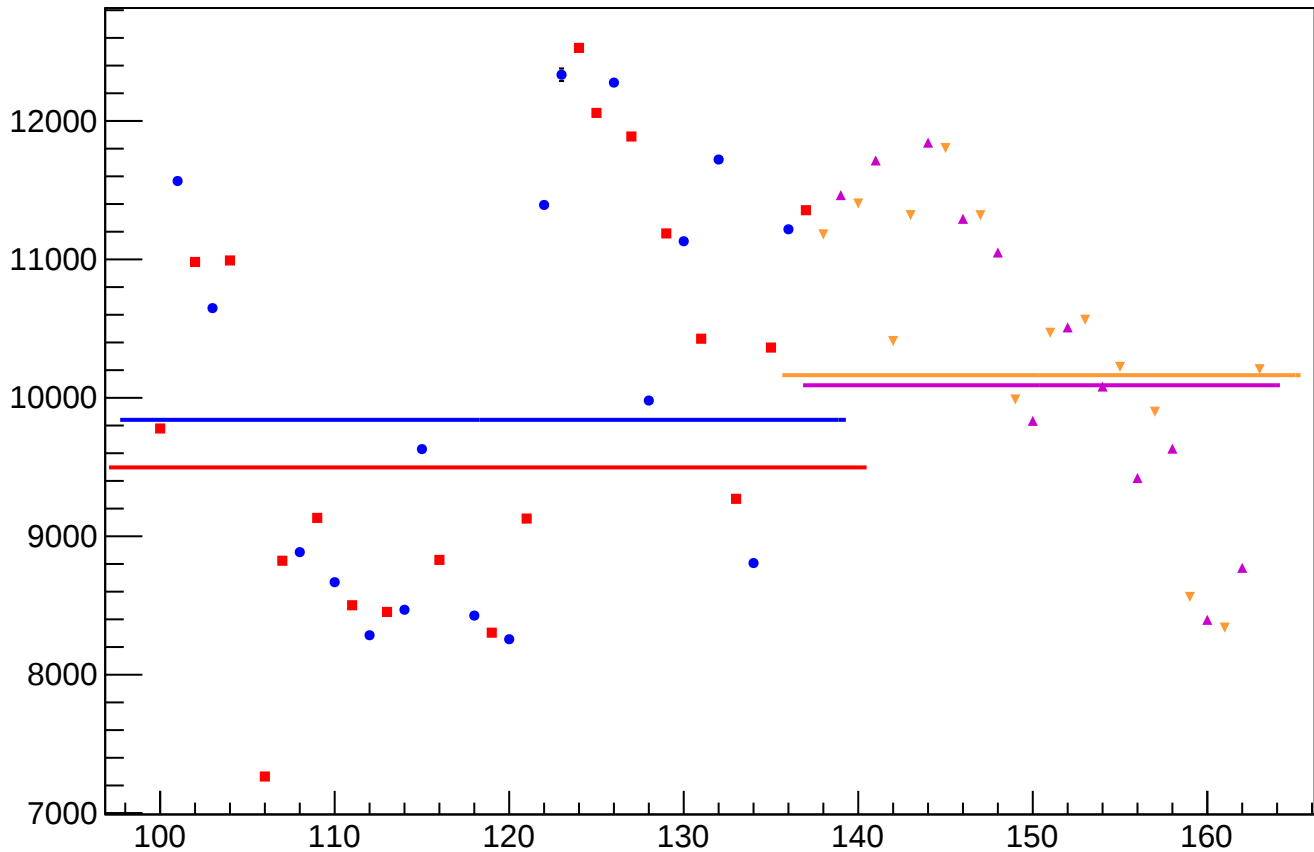
Left In: 15.354 ± 3.273 $\chi^2/\text{NDF}: 9.0/11$

+ sign 7.199 ± 2.440 $\chi^2/\text{NDF}: 98.7/30$

All: 5.371 ± 1.718 $\chi^2/\text{NDF}: 165.1/61$

- sign 3.573 ± 2.420 $\chi^2/\text{NDF}: 65.3/30$

diff_bpm0l07X_rms vs Slug



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

Left Out: 10163.737+/-2.236 χ^2/NDF : 228530.5/13

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

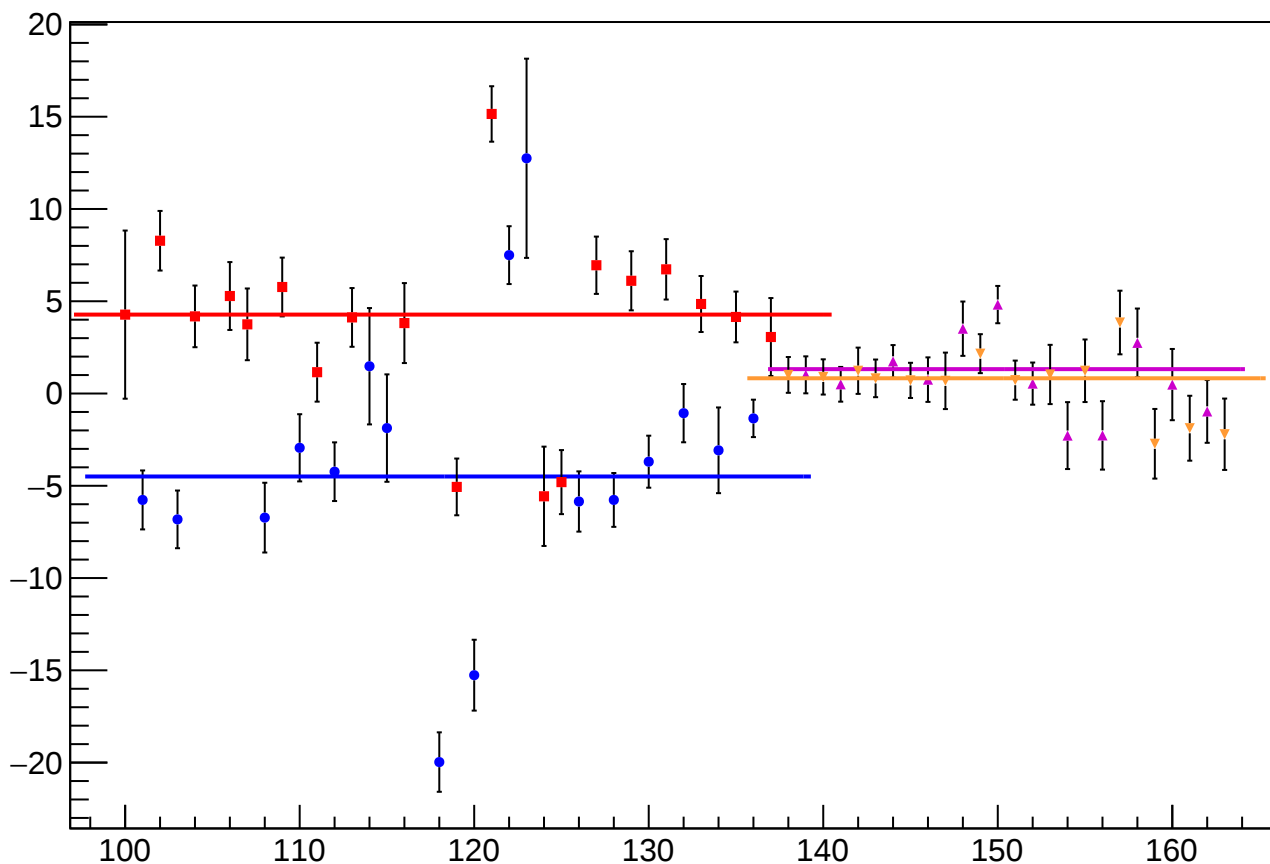
Left In: 10090.869+/-2.315 χ^2/NDF : 233111.3/11

+ sign 10033.285+/-1.726 χ^2/NDF : 497009.2/30

All: 9926.703+/-1.215 χ^2/NDF : 1044180.6/63

- sign 9821.864+/-1.711 χ^2/NDF : 539603.8/30

diff_bpm0l07Y_mean vs Slug



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

Left Out: 0.826 ± 0.333 χ^2/NDF : 13.3/13

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

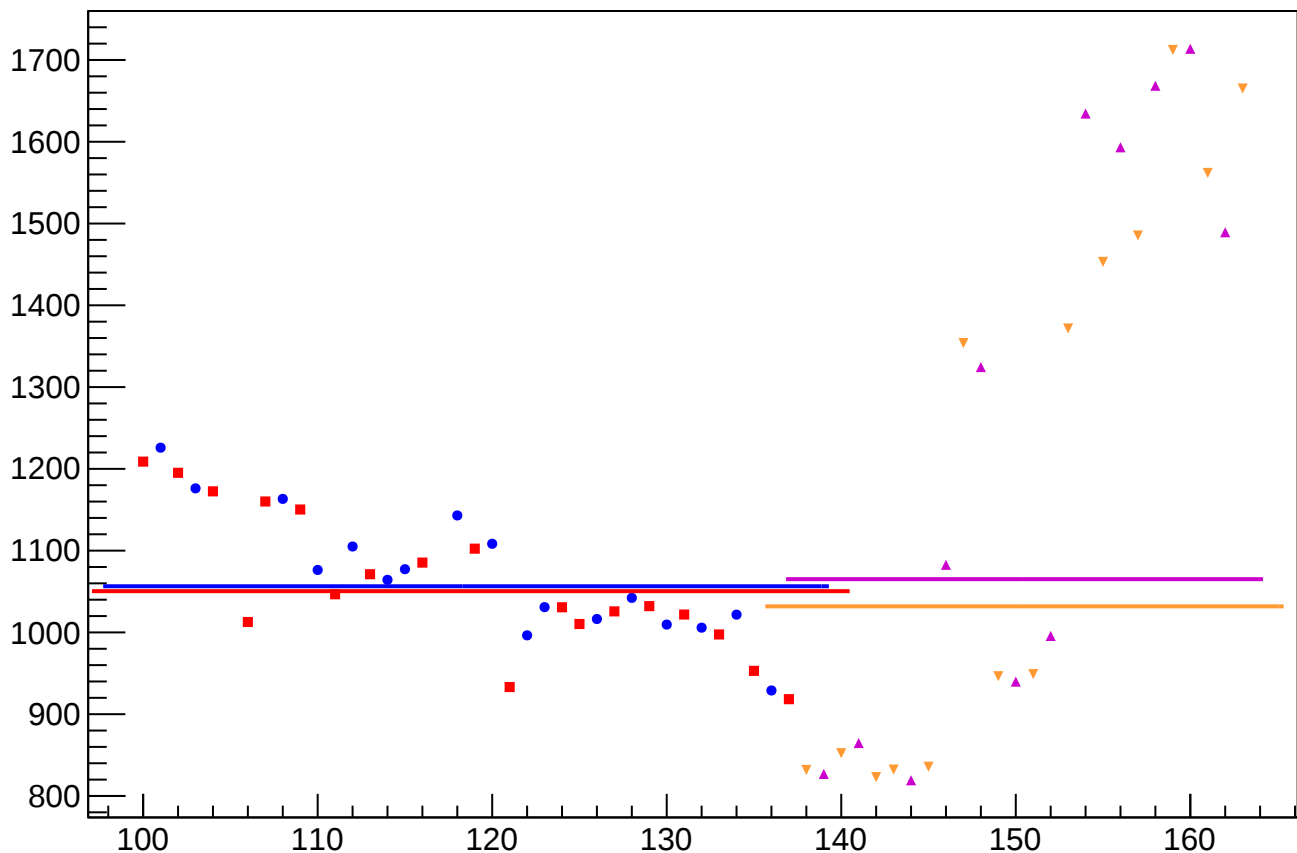
Left In: 1.321 ± 0.358 χ^2/NDF : 26.3/11

+ sign -1.302 ± 0.258 χ^2/NDF : 333.8/30

All: 0.626 ± 0.185 χ^2/NDF : 653.7/61

- sign 2.659 ± 0.265 χ^2/NDF : 205.3/30

diff_bpm0l07Y_rms vs Slug



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

Left Out: 1031.861 $\pm$ 0.236 χ^2 /NDF:1493808.2/13

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

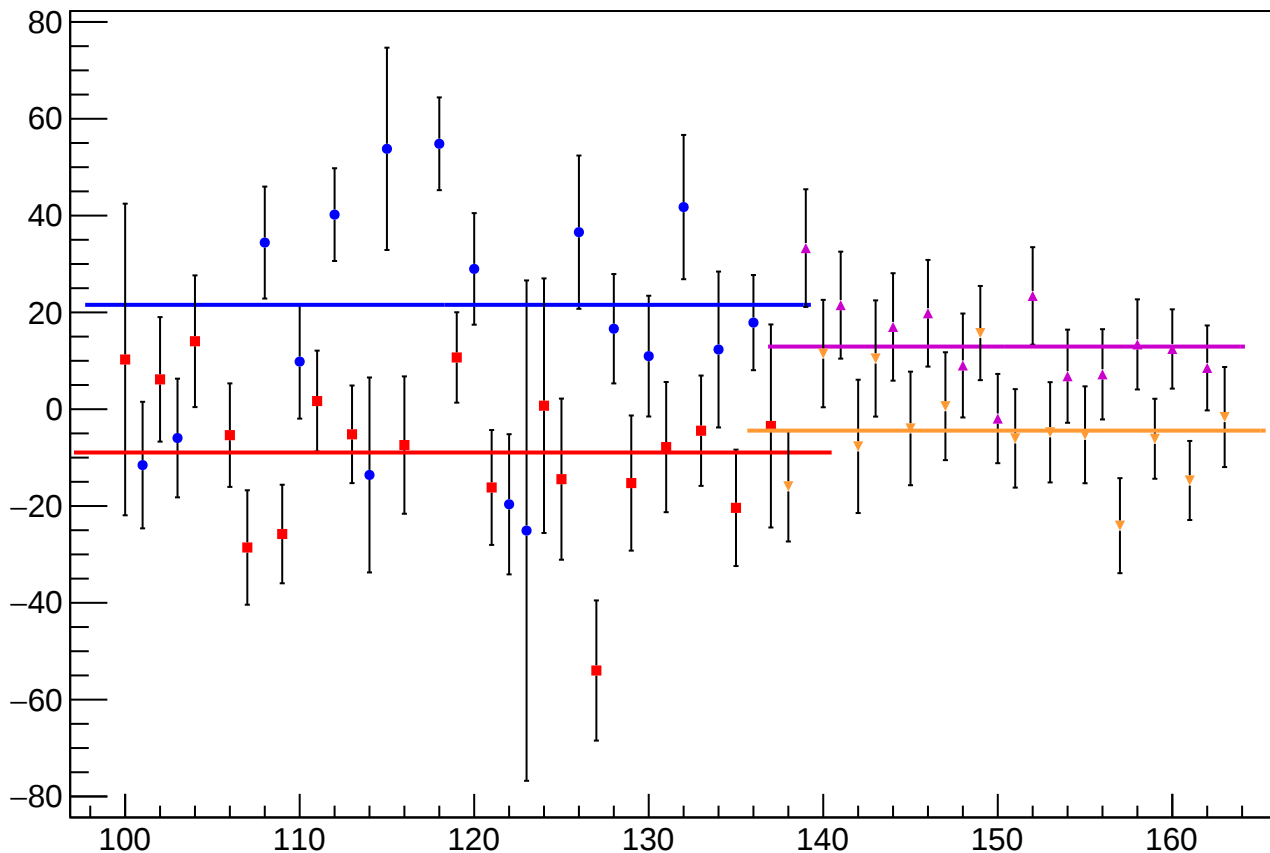
Left In: 1065.105 $\pm$ 0.253 χ^2 /NDF:1379213.7/11

+ sign 1041.684 $\pm$ 0.182 χ^2 /NDF: 1588933.3/30

All: 1049.855 $\pm$ 0.131 χ^2 /NDF: 3056179.6/61

- sign 1058.470 $\pm$ 0.187 χ^2 /NDF: 1463127.1/30

diff_bpm0l08X_mean vs Slug



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

Left Out: -4.424 $\pm$ 2.750 χ^2 /NDF:14.9/13

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

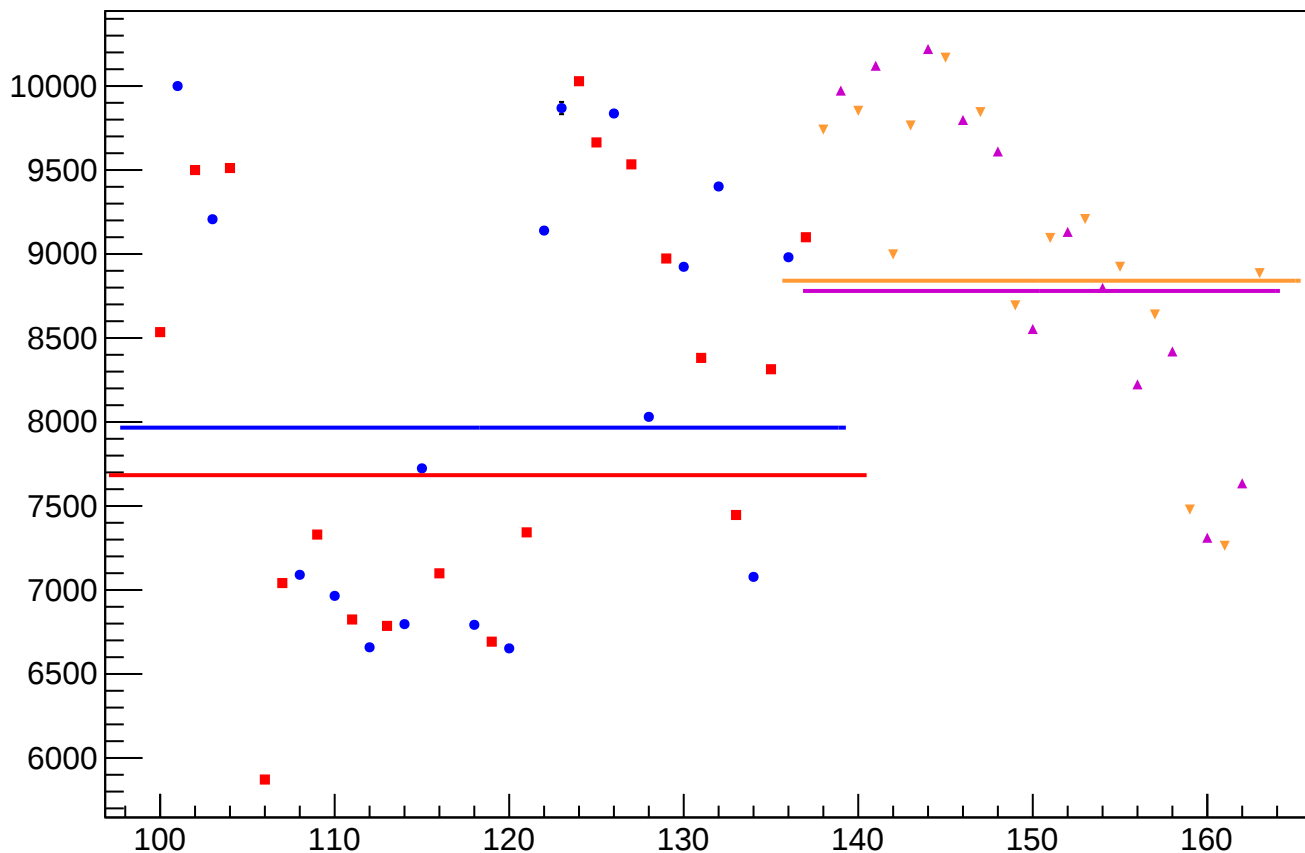
Left In: 12.940 $\pm$ 2.847 χ^2 /NDF:8.8/11

+ sign 6.976 $\pm$ 2.060 χ^2 /NDF: 102.5/30

All: 4.581 $\pm$ 1.448 χ^2 /NDF: 170.2/61

- sign 2.244 $\pm$ 2.036 χ^2 /NDF: 65.1/30

diff_bpm0l08X_rms vs Slug



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

Left Out: 8840.944 $\pm$ 1.944 χ^2 /NDF: 217230.7/13

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

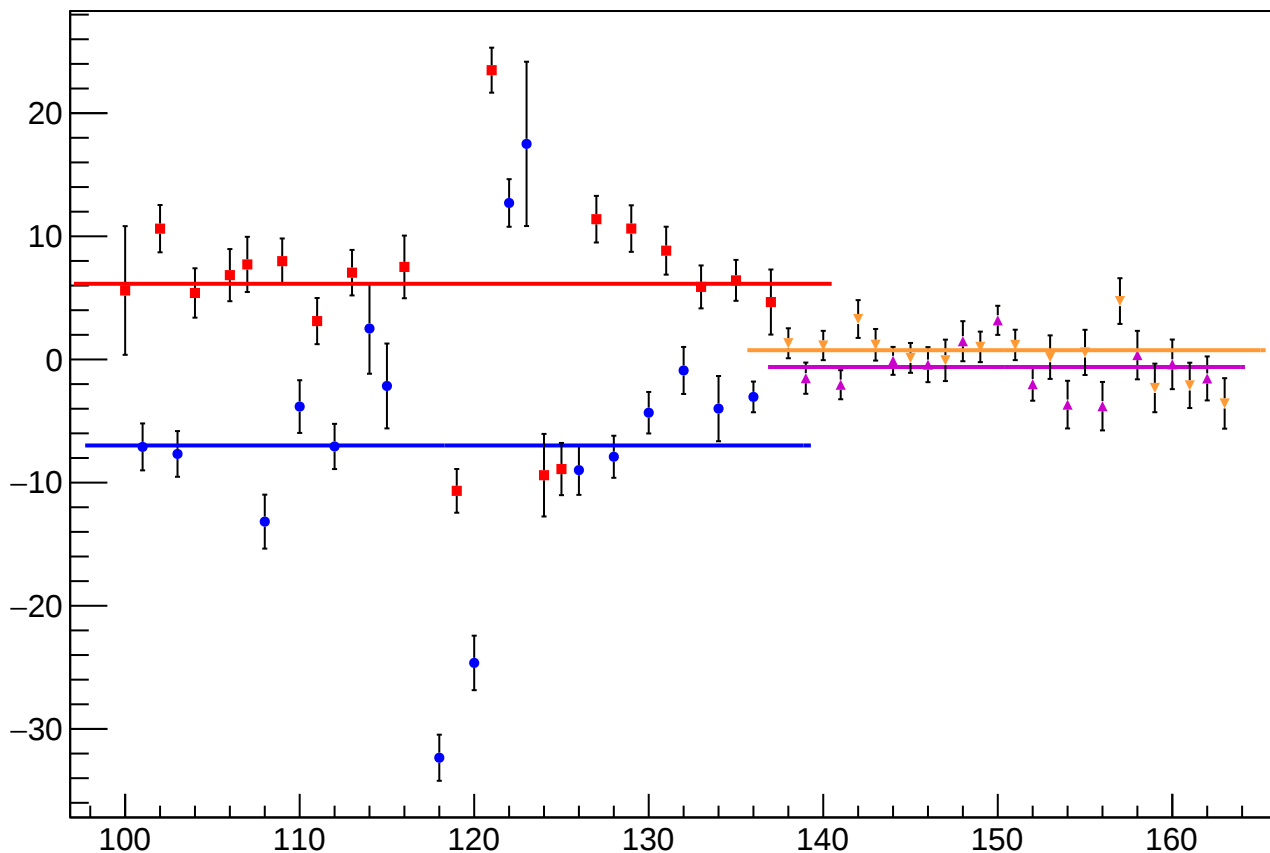
Left In: 8780.128 $\pm$ 2.013 χ^2 /NDF: 223564.6/11

+ sign 8457.287 $\pm$ 1.457 χ^2 /NDF: 602591.5/30

All: 8349.427 $\pm$ 1.024 χ^2 /NDF: 1297044.5/63

- sign 8244.100 $\pm$ 1.440 χ^2 /NDF: 683617.1/30

diff_bpm0l08Y_mean vs Slug



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

Left Out: 0.752 ± 0.394 χ^2/NDF : 17.8/13

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

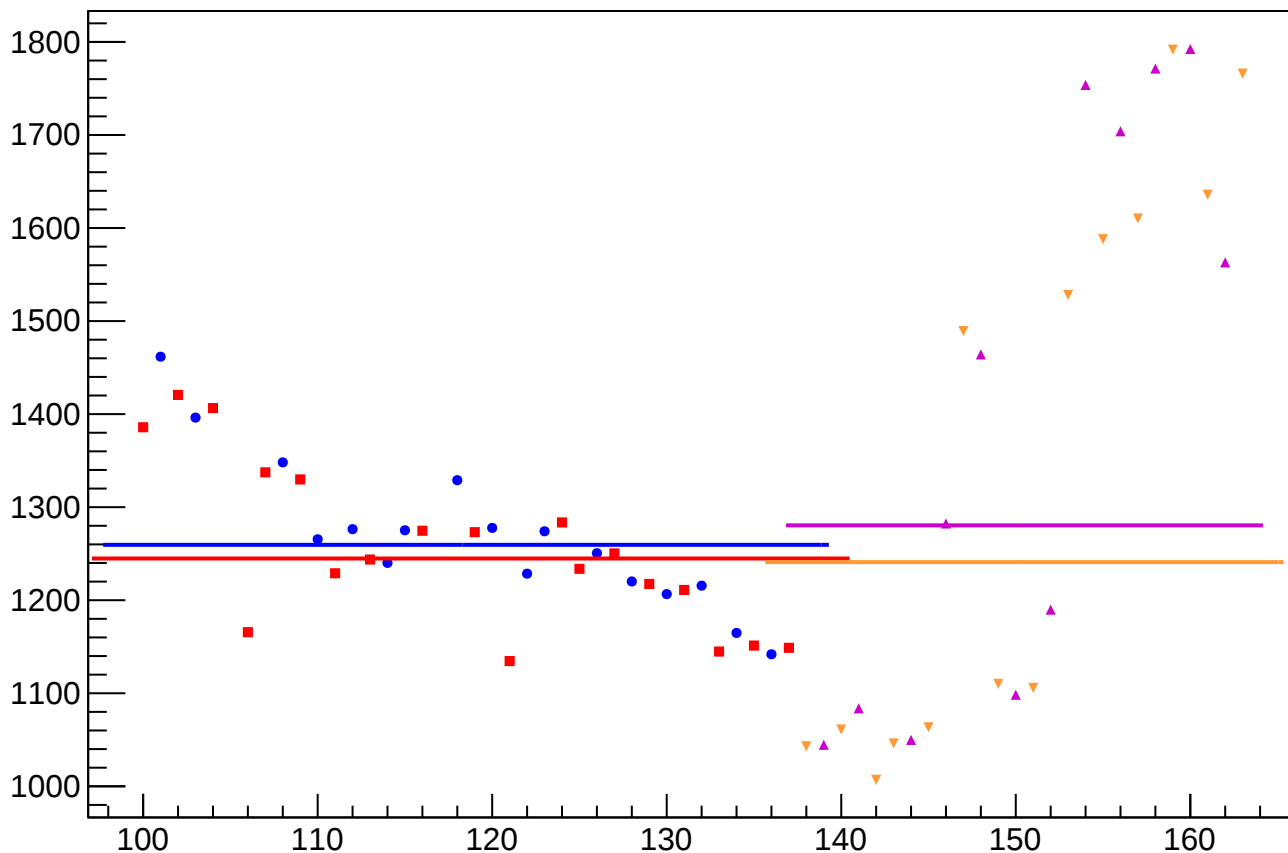
Left In: -0.612 ± 0.422 χ^2/NDF : 20.8/11

+ sign -2.312 ± 0.306 χ^2/NDF : 579.3/30

All: 0.004 ± 0.219 χ^2/NDF : 1110.2/61

- sign 2.431 ± 0.313 χ^2/NDF : 413.6/30

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1240.949 $\pm$ 0.278 χ^2 /NDF: 906697.1/13

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

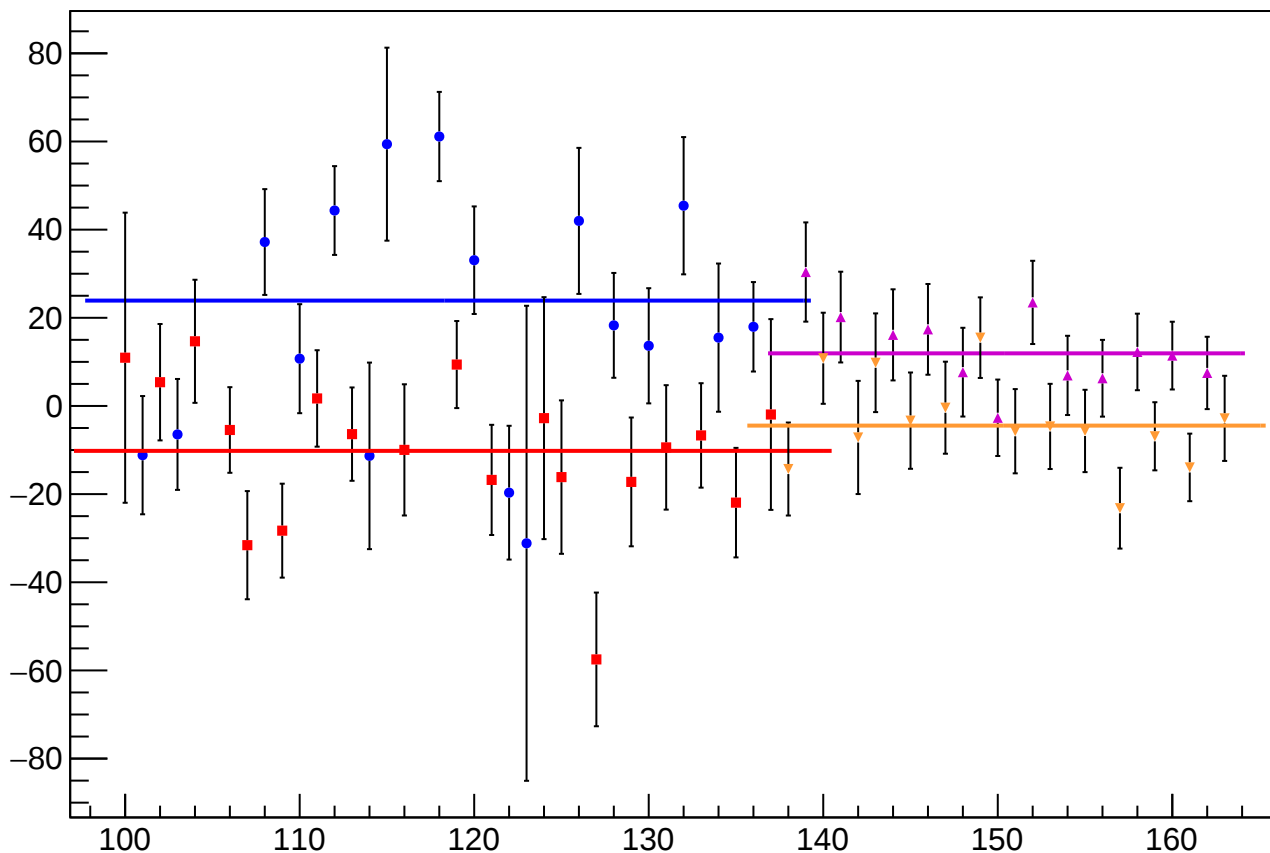
Left In: 1280.455 $\pm$ 0.299 χ^2 /NDF: 805639.3/11

+ sign 1248.308 $\pm$ 0.216 χ^2 /NDF: 973306.1/30

All: 1256.171 $\pm$ 0.155 χ^2 /NDF: 1854880.0/63

- sign 1264.411 $\pm$ 0.221 χ^2 /NDF: 878868.5/30

diff_bpm0l09X_mean vs Slug



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

Left Out: -4.457 ± 2.570 $\chi^2/\text{NDF}: 15.5/13$

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

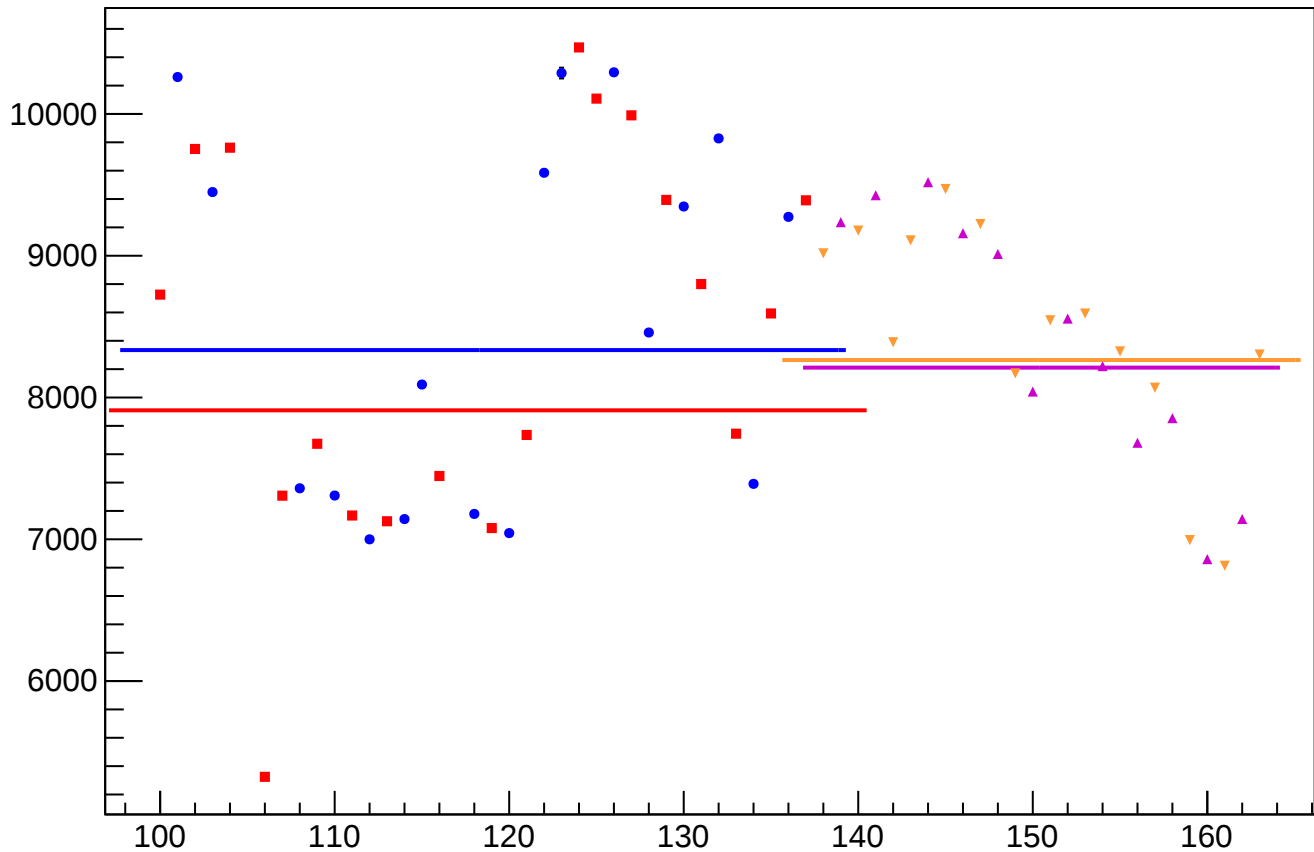
Left In: 11.935 ± 2.662 $\chi^2/\text{NDF}: 9.3/11$

+ sign 6.451 ± 2.016 $\chi^2/\text{NDF}: 114.8/30$

All: 4.306 ± 1.417 $\chi^2/\text{NDF}: 184.7/61$

- sign 2.209 ± 1.993 $\chi^2/\text{NDF}: 67.6/30$

diff_bpm0l09X_rms vs Slug



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

Left Out: 8264.299+/-1.817 χ^2/NDF : 209611.7/13

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

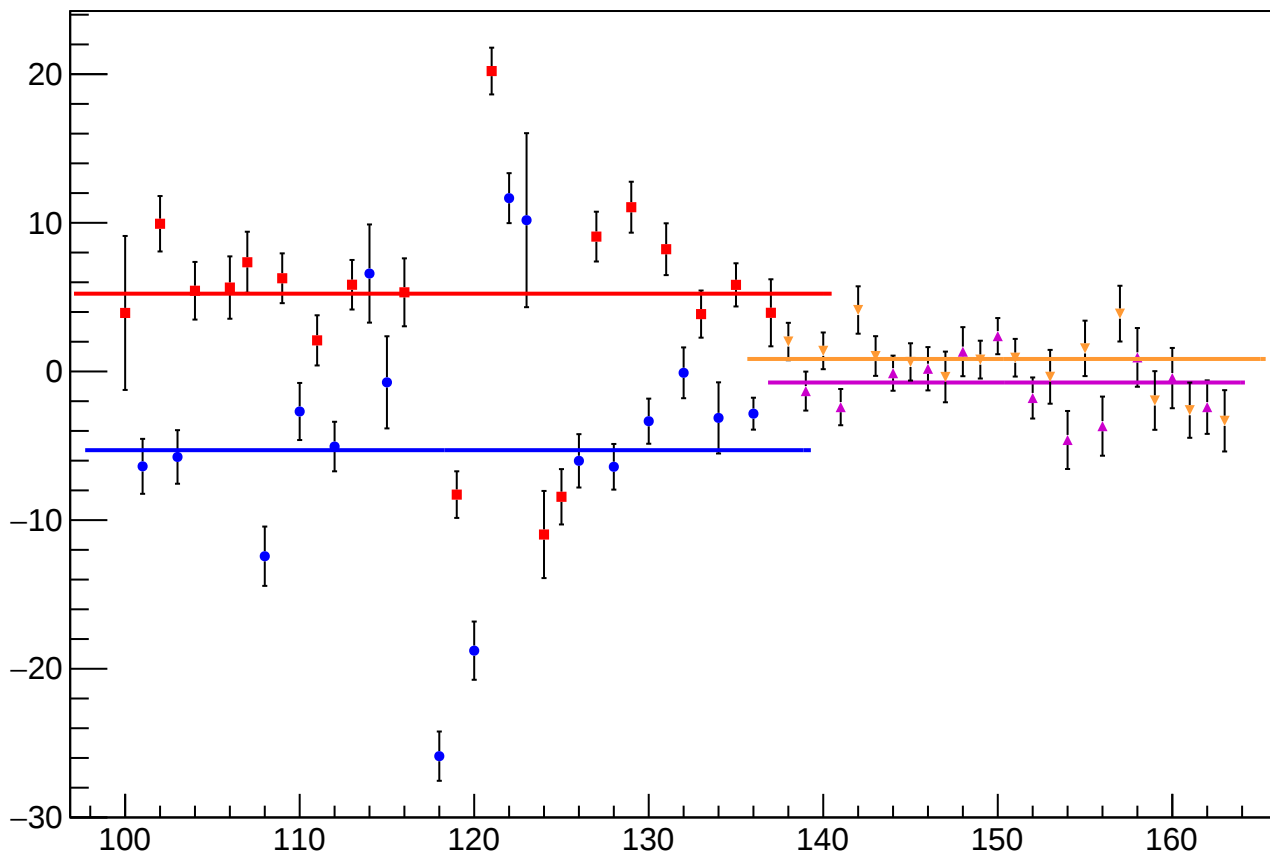
Left In: 8210.814+/-1.882 χ^2/NDF : 216067.7/11

+ sign 8291.301+/-1.425 χ^2/NDF : 482488.4/30

All: 8183.628+/-1.002 χ^2/NDF : 1111912.4/63

- sign 8078.415+/-1.409 χ^2/NDF : 618142.8/30

diff_bpm0l09Y_mean vs Slug



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

Left Out: 0.841 ± 0.404 χ^2/NDF : 18.6/13

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

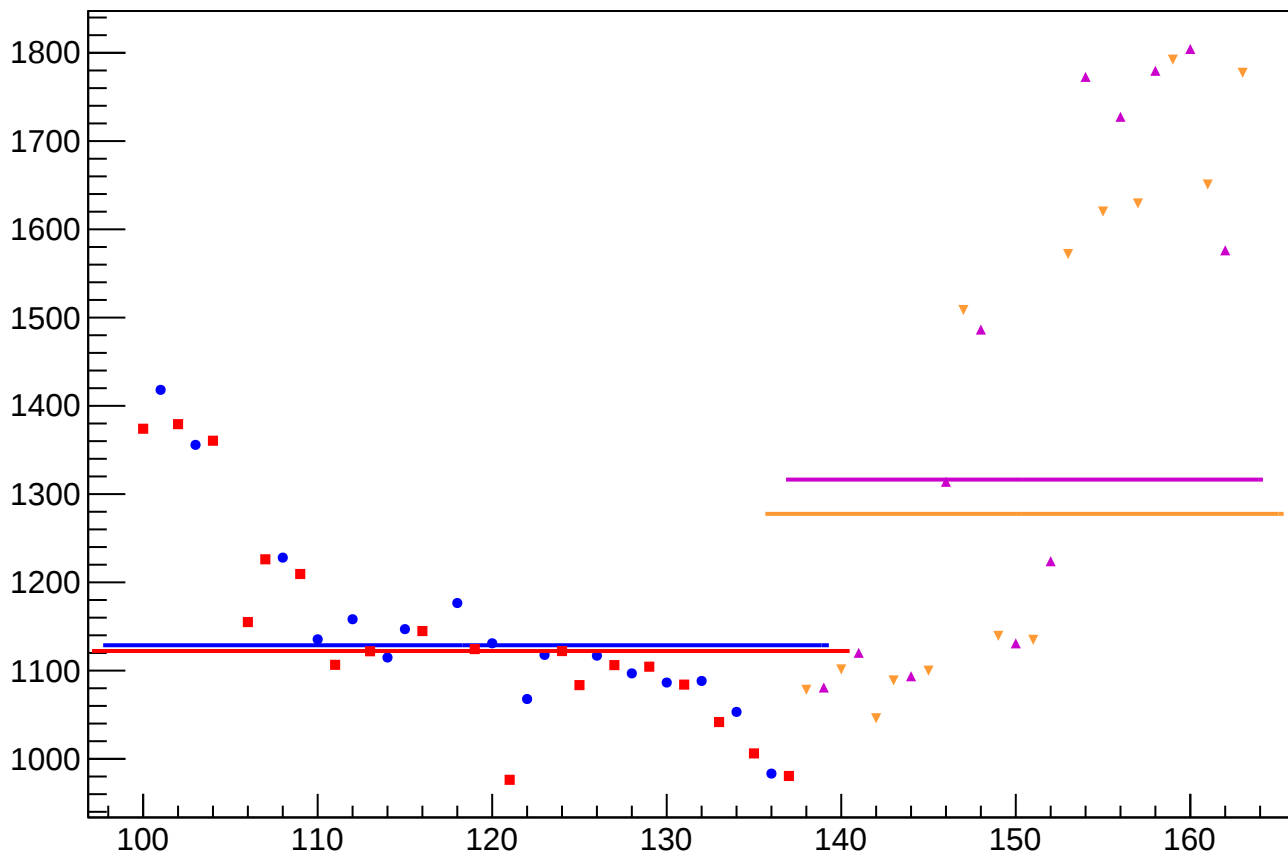
Left In: -0.743 ± 0.433 χ^2/NDF : 19.1/11

+ sign -1.989 ± 0.297 χ^2/NDF : 483.1/30

All: 0.129 ± 0.212 χ^2/NDF : 985.7/61

- sign 2.325 ± 0.302 χ^2/NDF : 398.8/30

diff_bpm0l09Y_rms vs Slug



Right In: 1128.740+/-0.309 χ^2/NDF : 133096.9/16

Left Out: 1277.605+/-0.286 χ^2/NDF : 824074.4/13

Right Out: 1122.238+/-0.298 χ^2/NDF : 129601.6/18

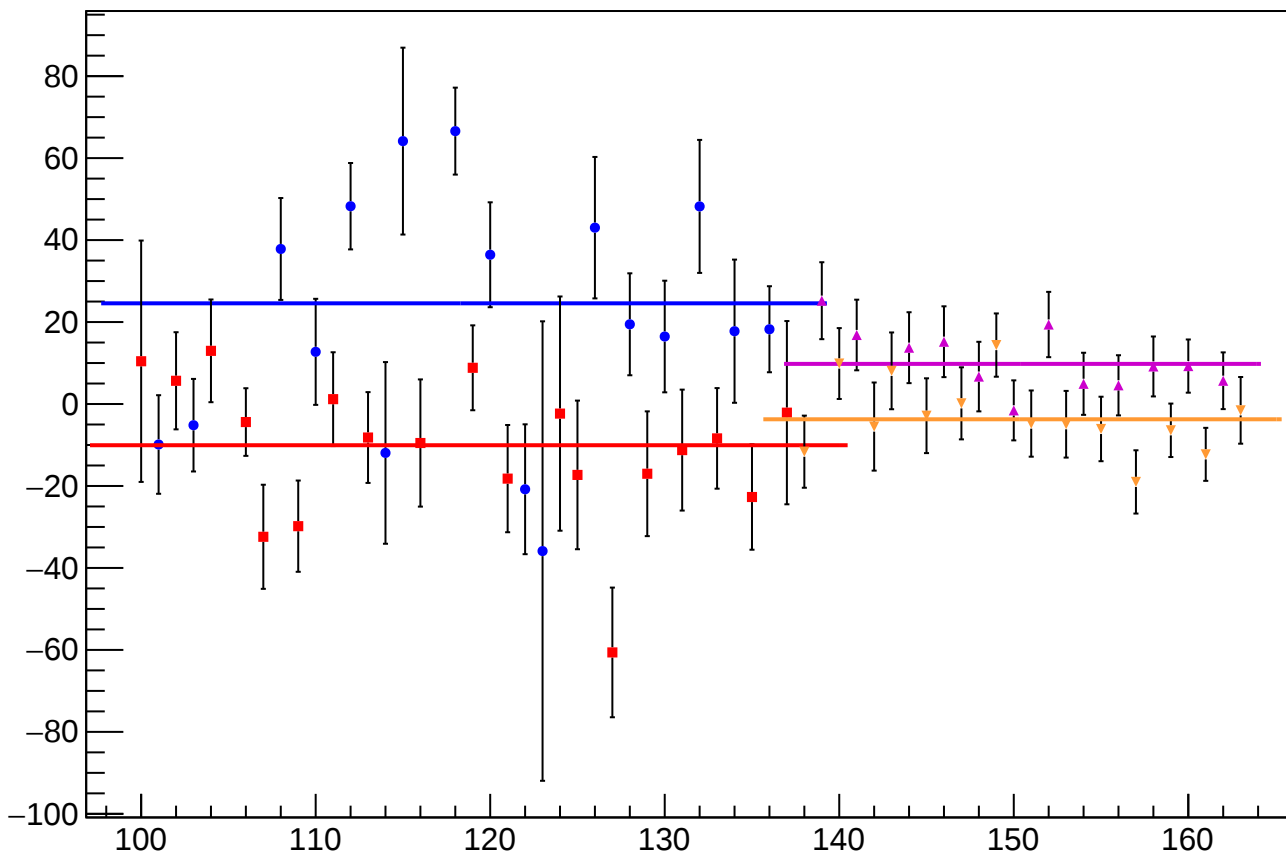
Left In: 1316.430+/-0.306 χ^2/NDF : 726515.1/11

+ sign 1208.953+/-0.210 χ^2/NDF : 1082318.6/30

All: 1212.775+/-0.150 χ^2/NDF : 2145550.9/63

- sign 1216.740+/-0.214 χ^2/NDF : 1062555.8/30

diff_bpm0l10X_mean vs Slug



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

Left Out: -3.727 ± 2.162 $\chi^2/\text{NDF}: 16.6/13$

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

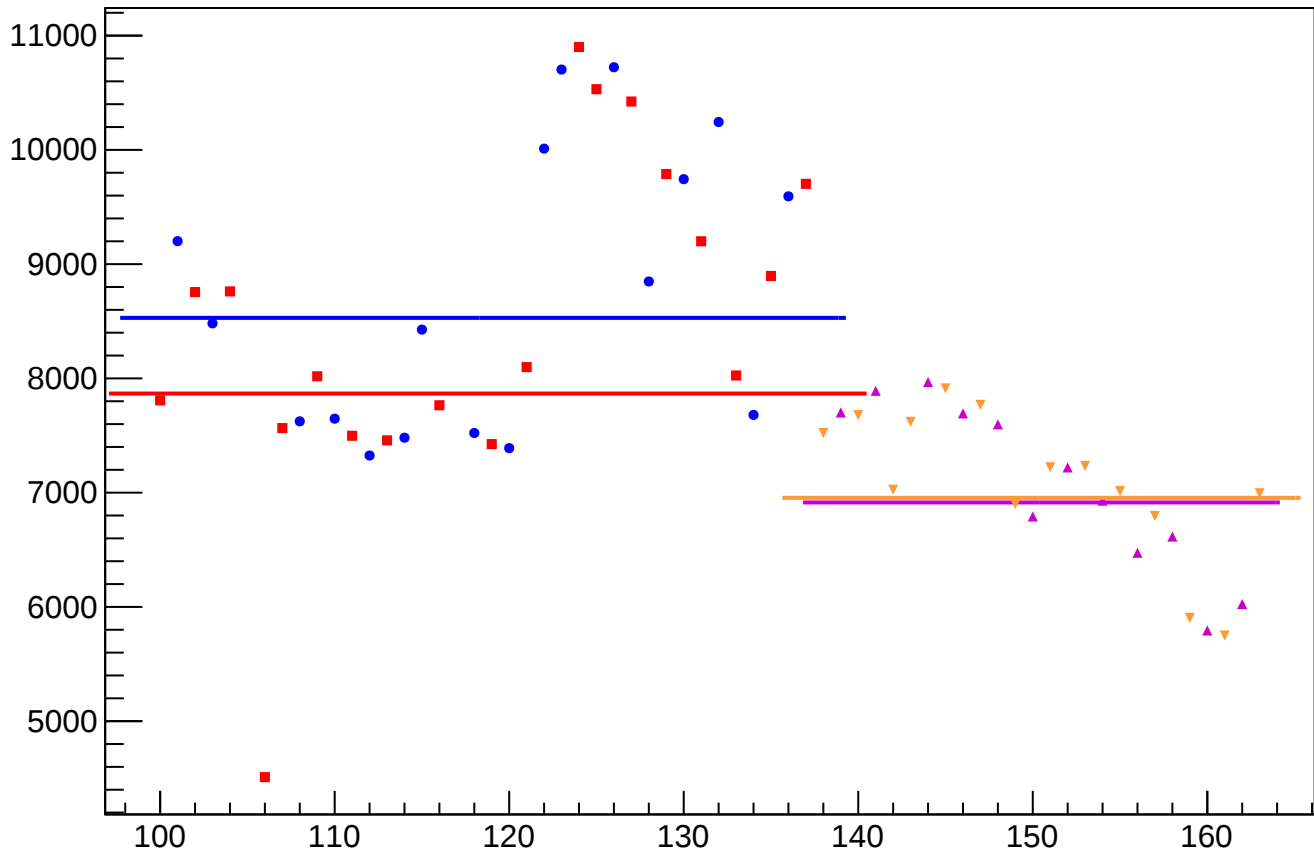
Left In: 9.790 ± 2.241 $\chi^2/\text{NDF}: 9.2/11$

+ sign 4.704 ± 1.811 $\chi^2/\text{NDF}: 125.8/30$

All: 3.697 ± 1.276 $\chi^2/\text{NDF}: 192.5/61$

- sign 2.706 ± 1.797 $\chi^2/\text{NDF}: 66.1/30$

diff_bpm0l10X_rms vs Slug



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

Left Out: 6954.694+/-1.529 χ^2/NDF : 198694.1/13

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

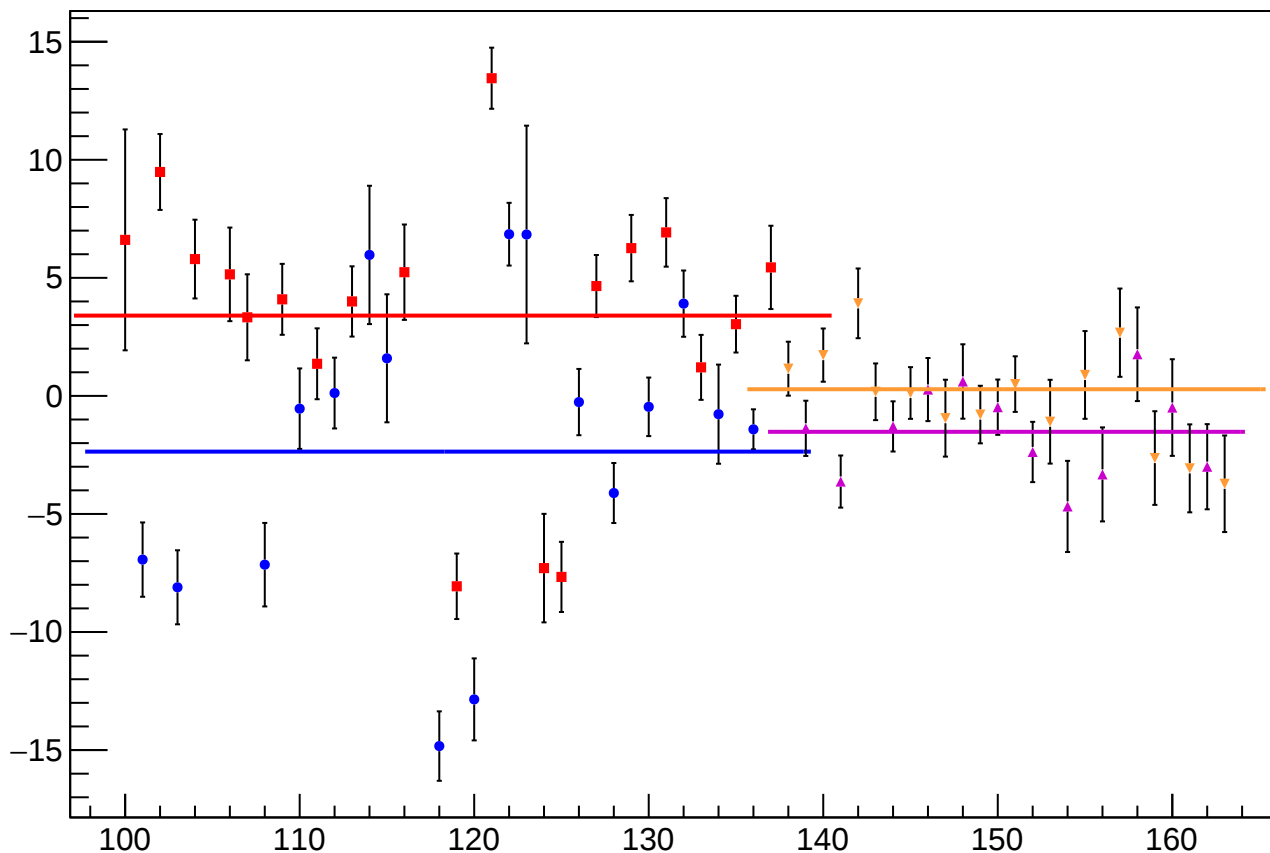
Left In: 6914.350+/-1.584 χ^2/NDF : 205412.1/11

+ sign 7424.012+/-1.281 χ^2/NDF : 723386.3/30

All: 7338.621+/-0.902 χ^2/NDF : 1622650.8/63

- sign 7254.587+/-1.271 χ^2/NDF : 890445.5/30

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.282 ± 0.378 χ^2/NDF : 21.3/13

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

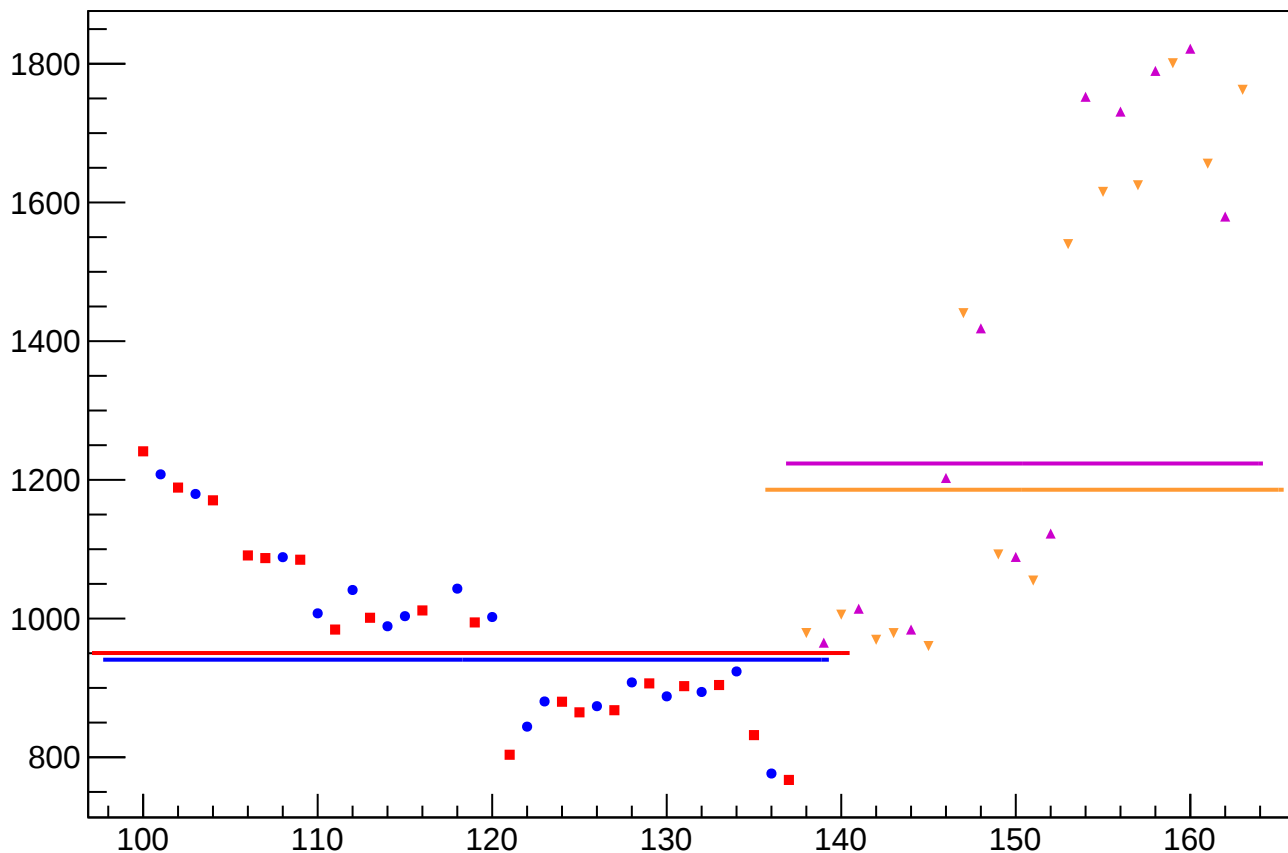
Left In: -1.521 ± 0.406 χ^2/NDF : 15.7/11

+ sign -1.084 ± 0.263 χ^2/NDF : 278.5/30

All: 0.056 ± 0.188 χ^2/NDF : 656.8/61

- sign 1.248 ± 0.269 χ^2/NDF : 339.8/30

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1185.767 $\pm$ 0.268 χ^2 /NDF:1164561.1/13

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

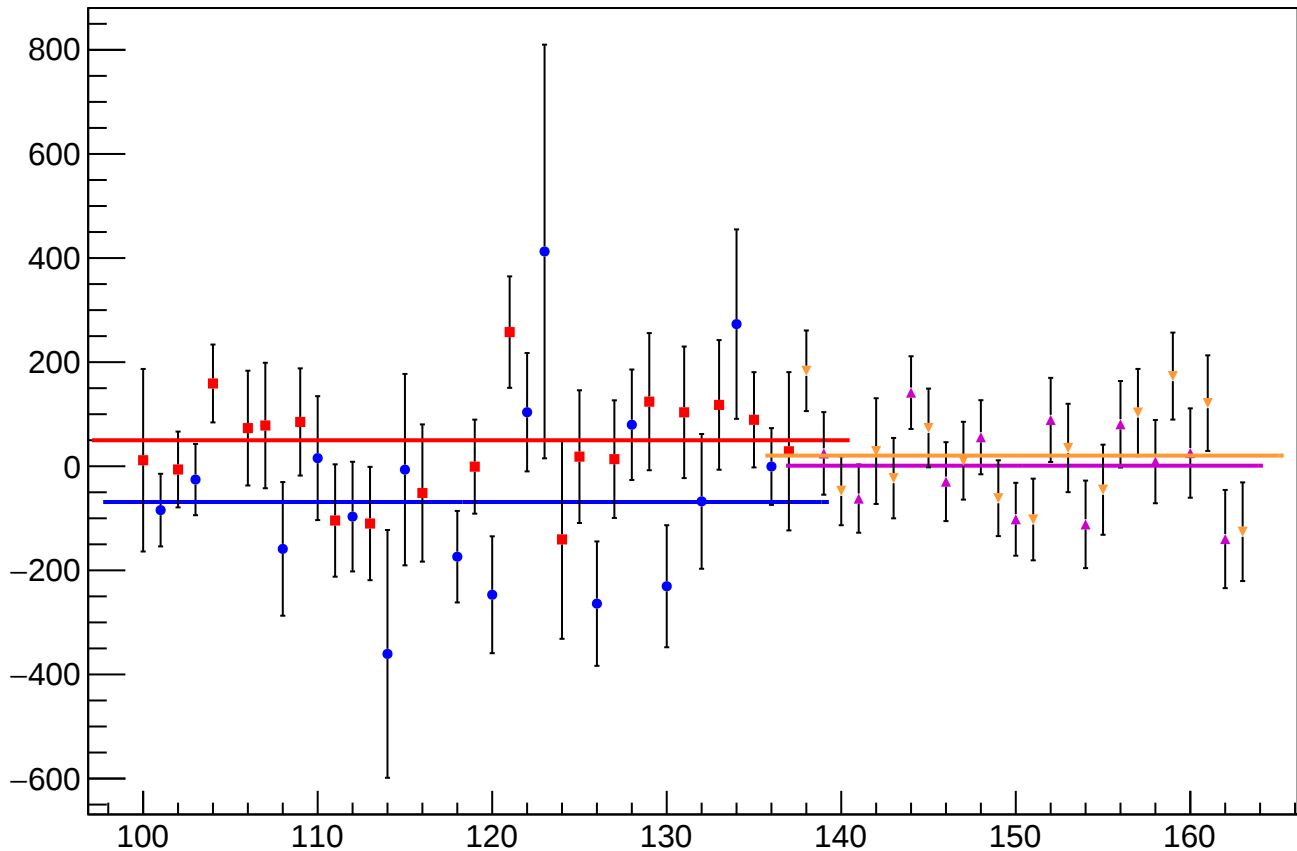
Left In: 1223.603 $\pm$ 0.287 χ^2 /NDF:1032740.1/11

+ sign 1059.020 $\pm$ 0.186 χ^2 /NDF: 1840414.6/30

All: 1064.335 $\pm$ 0.133 χ^2 /NDF: 3604868.0/63

- sign 1069.885 $\pm$ 0.190 χ^2 /NDF: 1762782.1/30

diff_bpm0r03X_mean vs Slug



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

Left Out: 20.496 ± 21.557 χ^2/NDF : 18.5/13

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

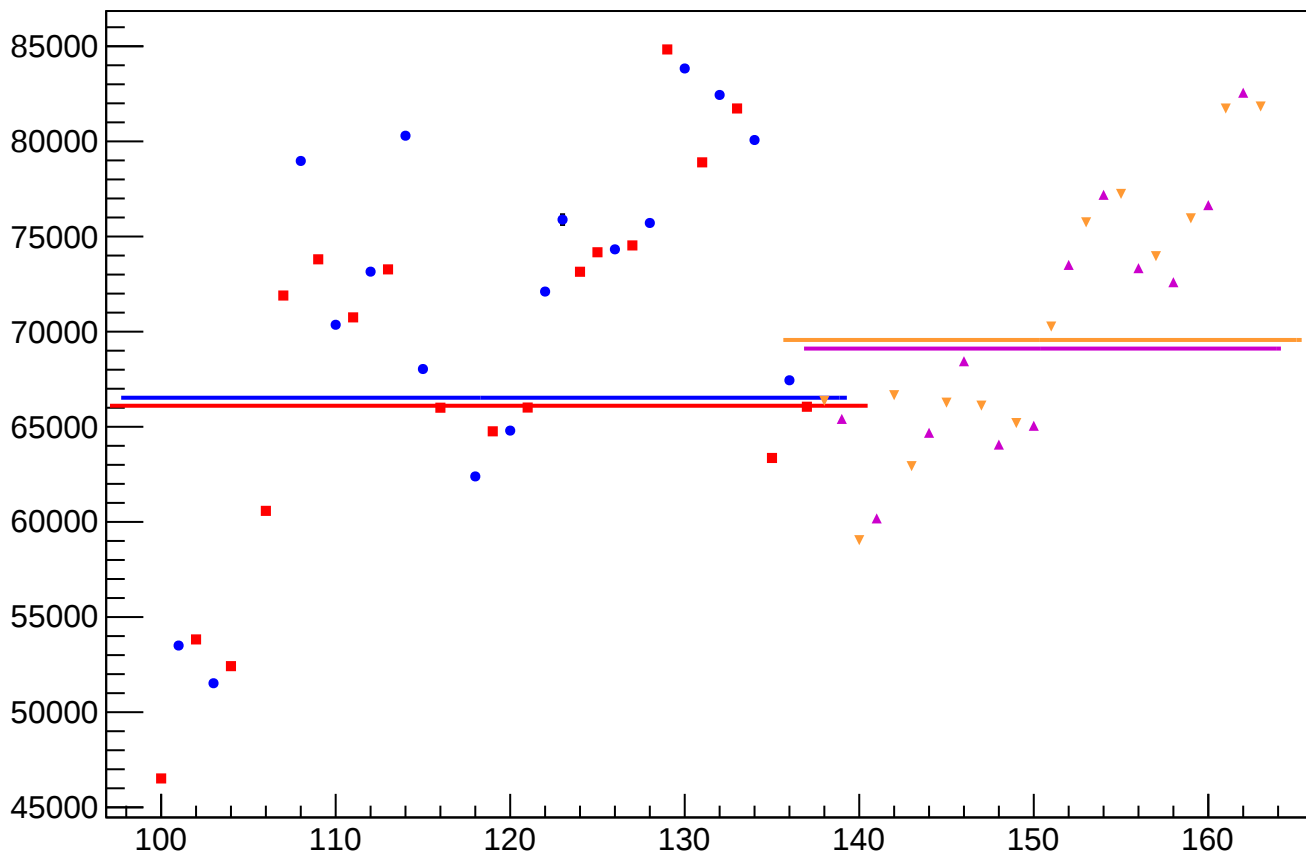
Left In: 1.092 ± 22.275 χ^2/NDF : 14.2/11

+ sign -15.927 ± 16.581 χ^2/NDF : 47.3/30

All: 3.321 ± 11.744 χ^2/NDF : 80.3/61

- sign 22.699 ± 16.637 χ^2/NDF : 30.3/30

diff_bpm0r03X_rms vs Slug



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

Left Out: 69563.594+/-15.243 χ^2/NDF : 197897.8/13

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

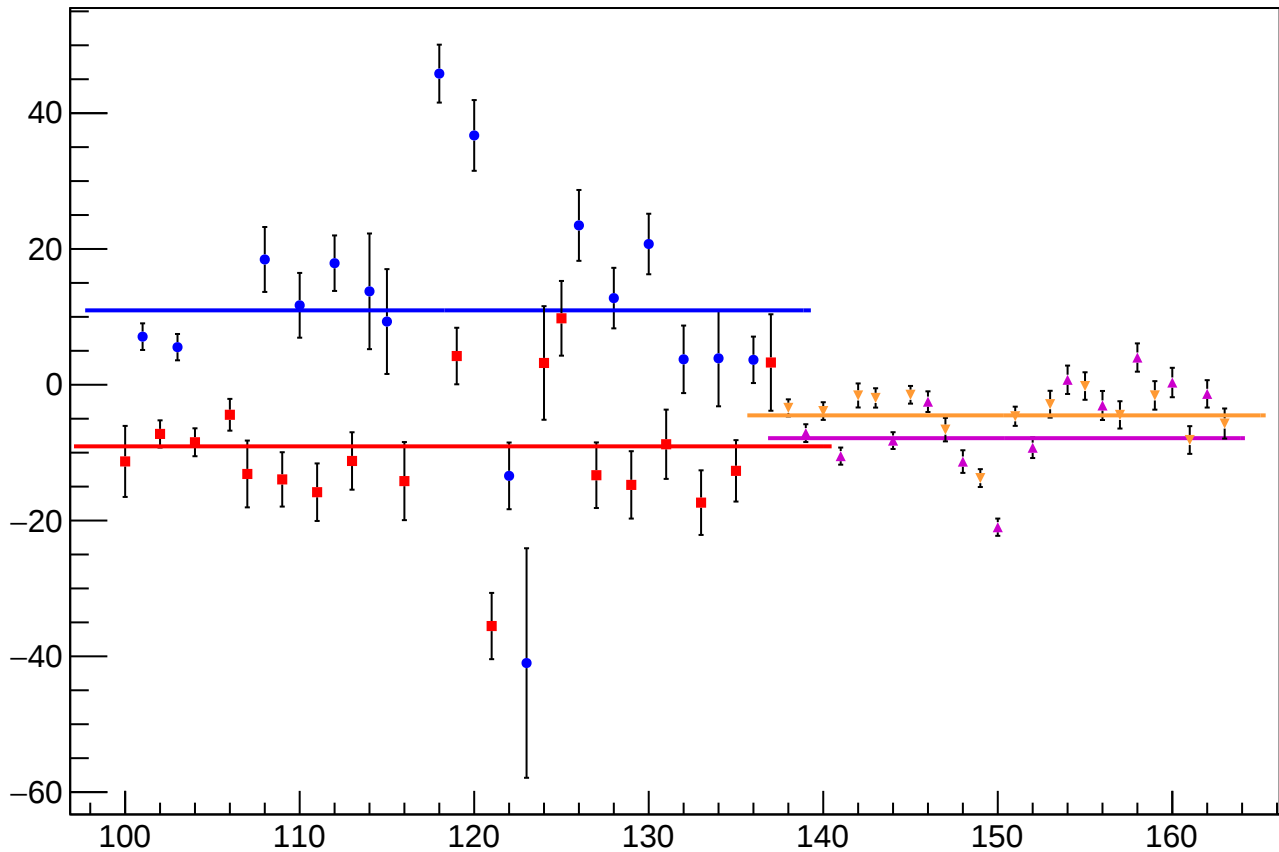
Left In: 69110.491+/-15.751 χ^2/NDF : 155784.5/11

+ sign 68323.568+/-11.724 χ^2/NDF : 534989.2/30

All: 68053.671+/-8.304 χ^2/NDF : 1006412.7/6

- sign 67781.950+/-11.764 χ^2/NDF : 470360.1/30

diff_bpm0r03Y_mean vs Slug



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

Left Out: -4.509 ± 0.428 χ^2/NDF : 73.9/13

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

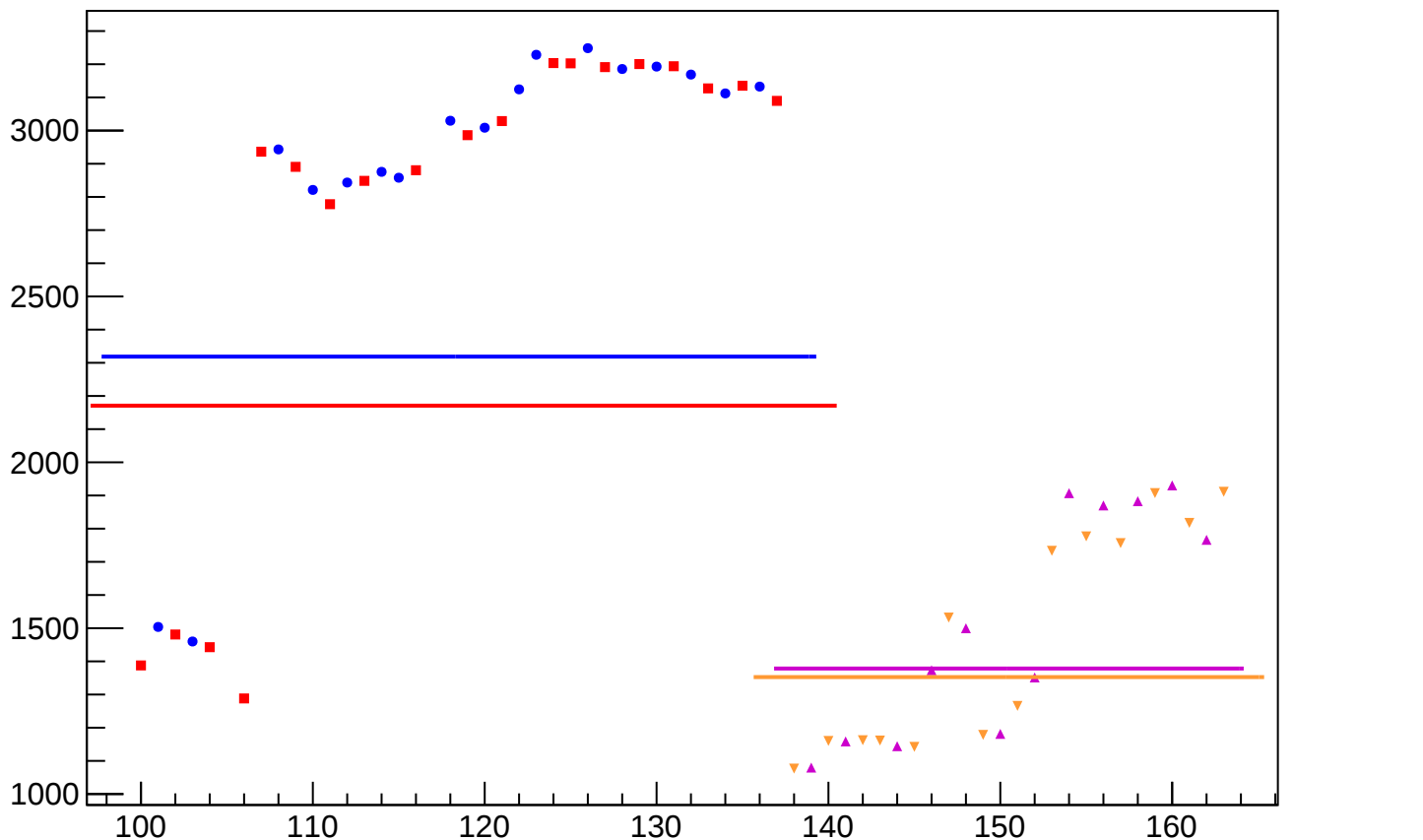
Left In: -7.867 ± 0.454 χ^2/NDF : 208.2/11

+ sign -1.866 ± 0.390 χ^2/NDF : 457.8/30

All: -4.898 ± 0.280 χ^2/NDF : 865.4/61

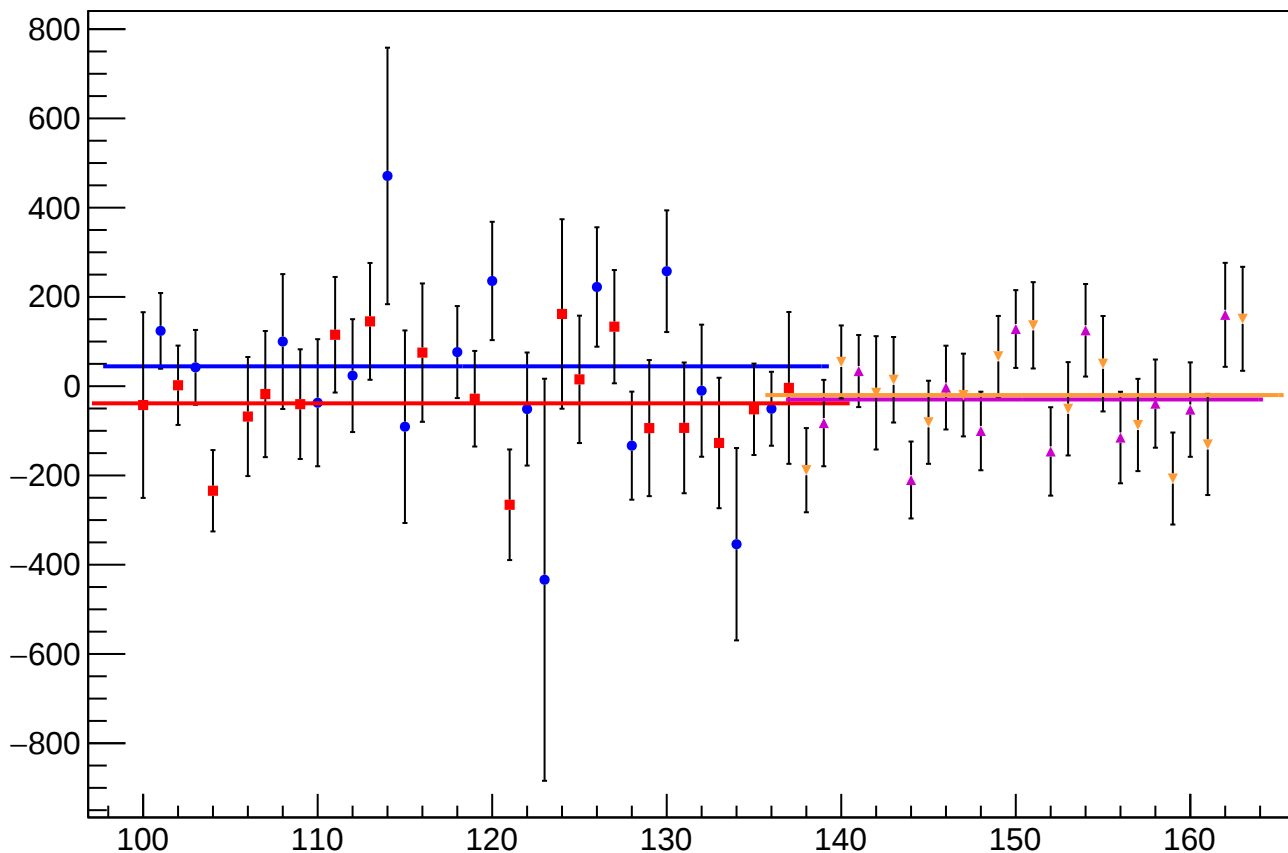
- sign -8.126 ± 0.402 χ^2/NDF : 282.8/30

diff_bpm0r03Y_rms vs Slug



Right In: 2318.624+/-0.667	χ^2/NDF : 1408300.4/16	+ sign 1517.654+/-0.276	χ^2/NDF : 4076379.7/30
Left Out: 1352.598+/-0.303	χ^2/NDF : 928505.7/13	All: 1532.965+/-0.198	χ^2/NDF : 7999192.1/63
Right Out: 2170.786+/-0.613	χ^2/NDF : 1753687.8/18	- sign 1549.265+/-0.284	χ^2/NDF : 3916444.1/30
Left In: 1378.423+/-0.321	χ^2/NDF : 850462.0/11		

diff_bpm0r05X_mean vs Slug



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

Left Out: -19.927 ± 26.613 χ^2/NDF : 15.4/13

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

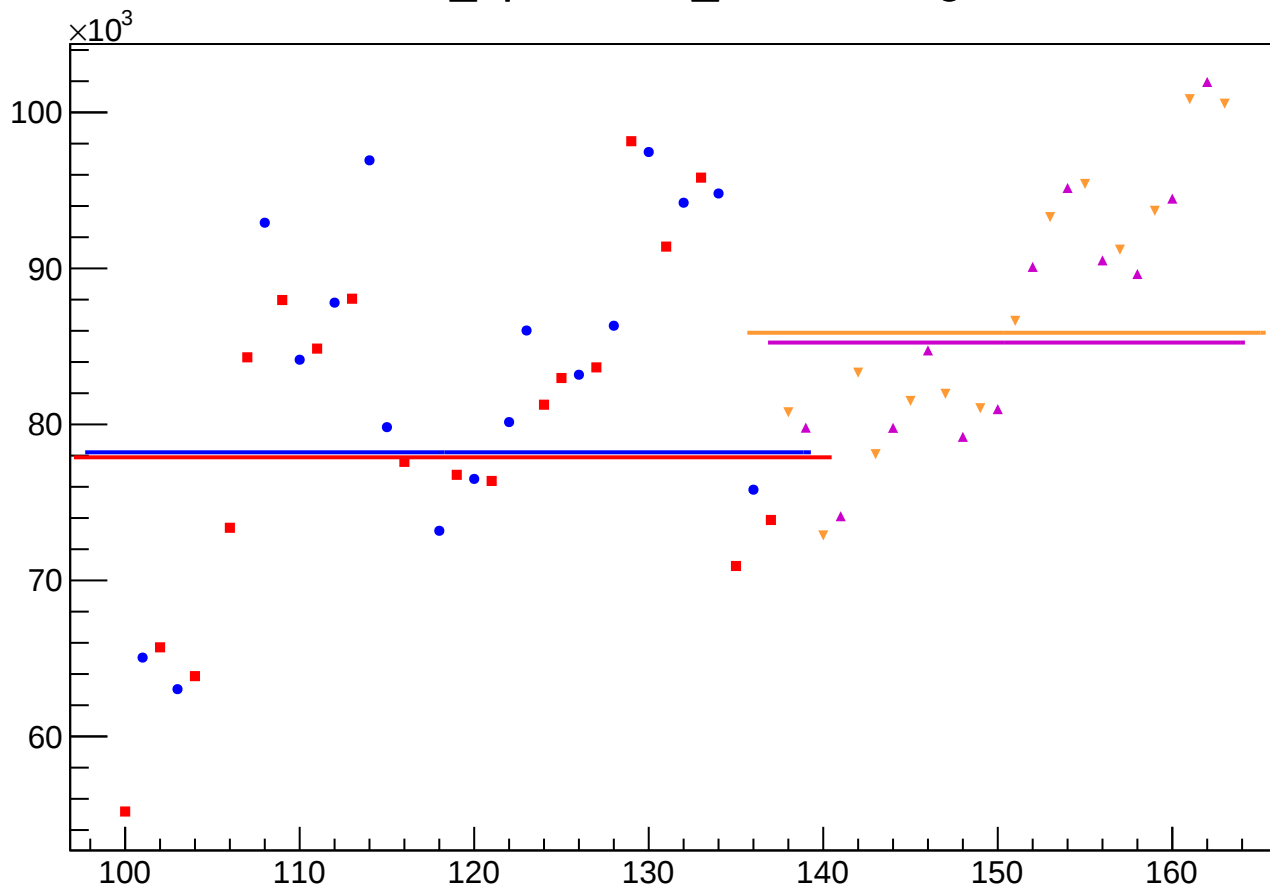
Left In: -29.791 ± 27.479 χ^2/NDF : 16.3/11

+ sign 7.986 ± 20.033 χ^2/NDF : 37.1/30

All: -12.857 ± 14.184 χ^2/NDF : 71.3/61

- sign -33.812 ± 20.087 χ^2/NDF : 32.1/30

diff_bpm0r05X_rms vs Slug



Right In: 78213.025 $\pm$ 21.519 χ^2 /NDF: 251056.7/16

Left Out: 85876.140 $\pm$ 18.818 χ^2 /NDF: 193622.4/13

Right Out: 77891.938 $\pm$ 20.814 χ^2 /NDF: 246970.2/18

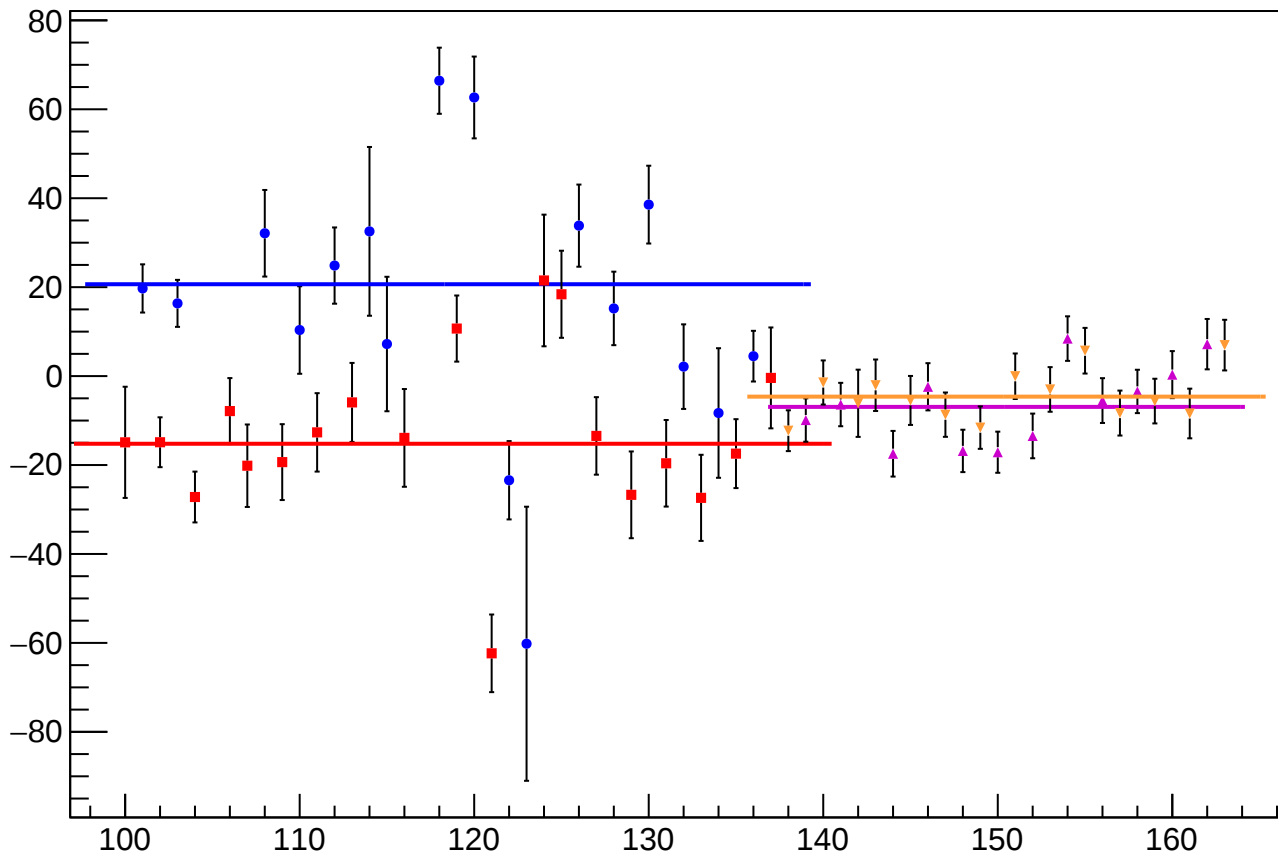
Left In: 85247.336 $\pm$ 19.431 χ^2 /NDF: 155284.9/11

+ sign 82555.263 $\pm$ 14.166 χ^2 /NDF: 516540.3/30

All: 82189.661 $\pm$ 10.030 χ^2 /NDF: 986860.9/60

- sign 81822.110 $\pm$ 14.203 χ^2 /NDF: 468984.9/30

diff_bpm0r05Y_mean vs Slug



Right In: 20.657 $\pm$ 2.036 χ^2 /NDF: 117.7/16

Left Out: -4.618 $\pm$ 1.400 χ^2 /NDF: 16.4/13

Right Out: -15.216 $\pm$ 1.955 χ^2 /NDF: 71.3/18

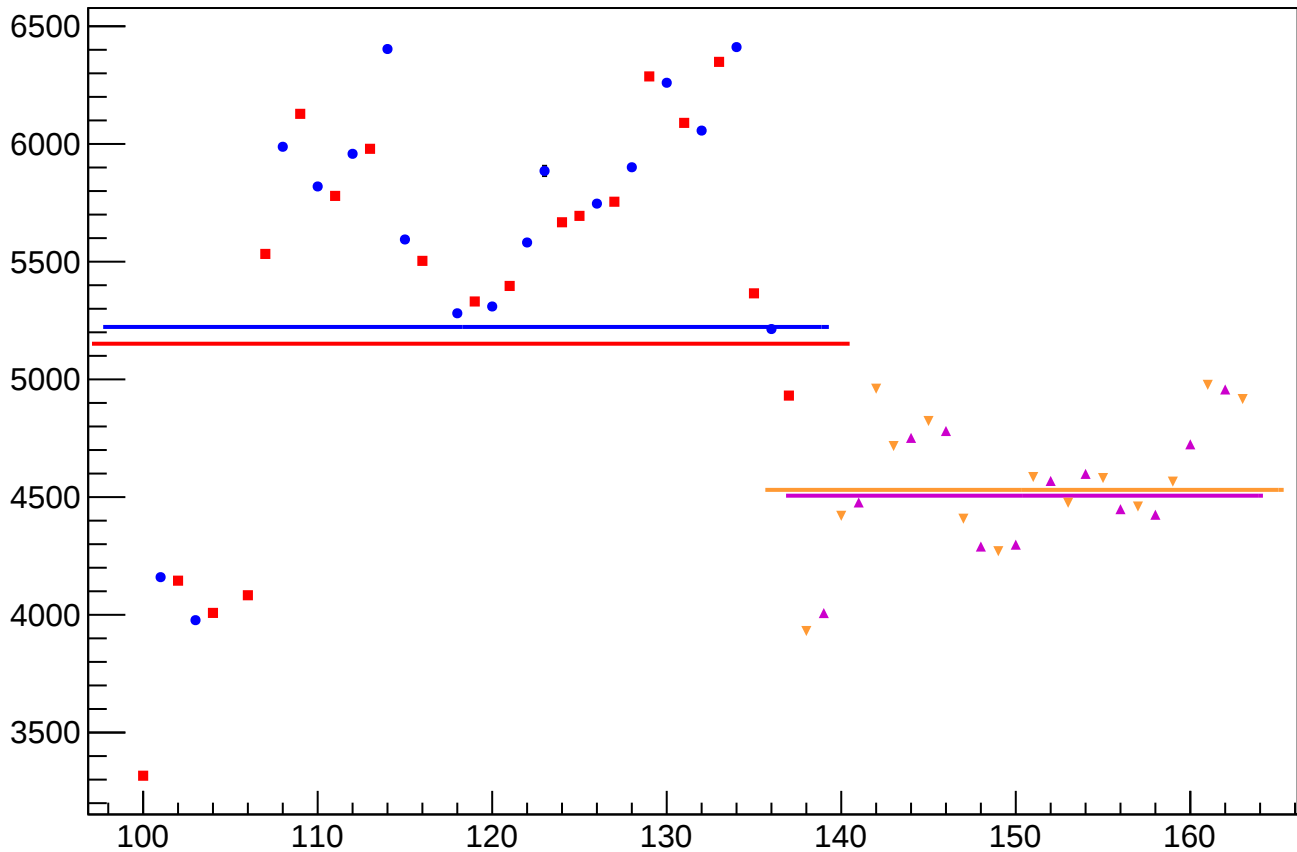
Left In: -6.925 $\pm$ 1.449 χ^2 /NDF: 34.3/11

+ sign 3.497 $\pm$ 1.154 χ^2 /NDF: 238.8/30

All: -3.124 $\pm$ 0.819 χ^2 /NDF: 422.4/61

- sign -9.865 $\pm$ 1.164 χ^2 /NDF: 117.2/30

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4530.728 $\pm$ 0.990 χ^2 /NDF: 79572.2/13

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

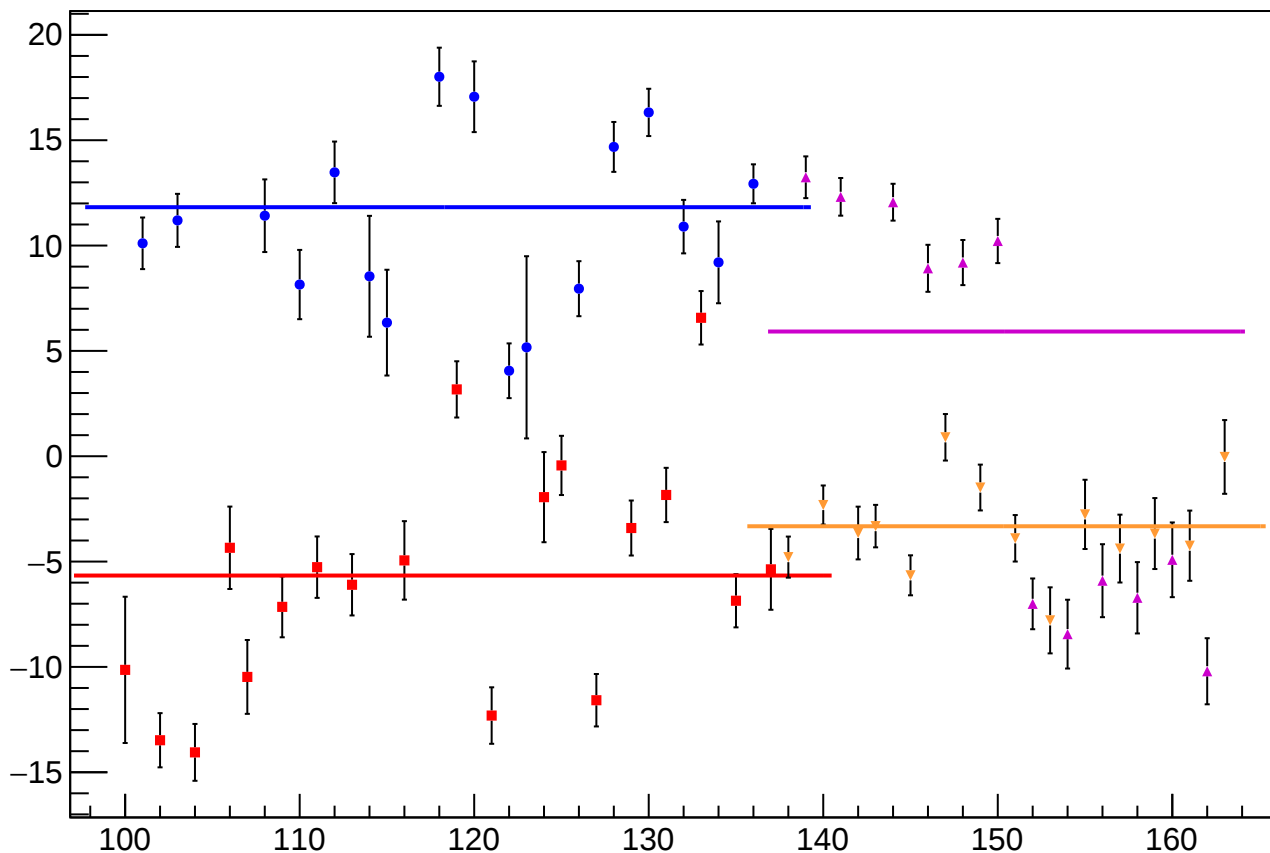
Left In: 4506.016 $\pm$ 1.025 χ^2 /NDF: 57007.0/11

+ sign 4752.912 $\pm$ 0.816 χ^2 /NDF: 548969.5/30

All: 4744.011 $\pm$ 0.579 χ^2 /NDF: 1134660.9/63

- sign 4734.948 $\pm$ 0.823 χ^2 /NDF: 585451.1/30

diff_bpm2i01X_mean vs Slug



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

Left Out: -3.324 $\pm$ 0.322 χ^2 /NDF:39.8/13

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

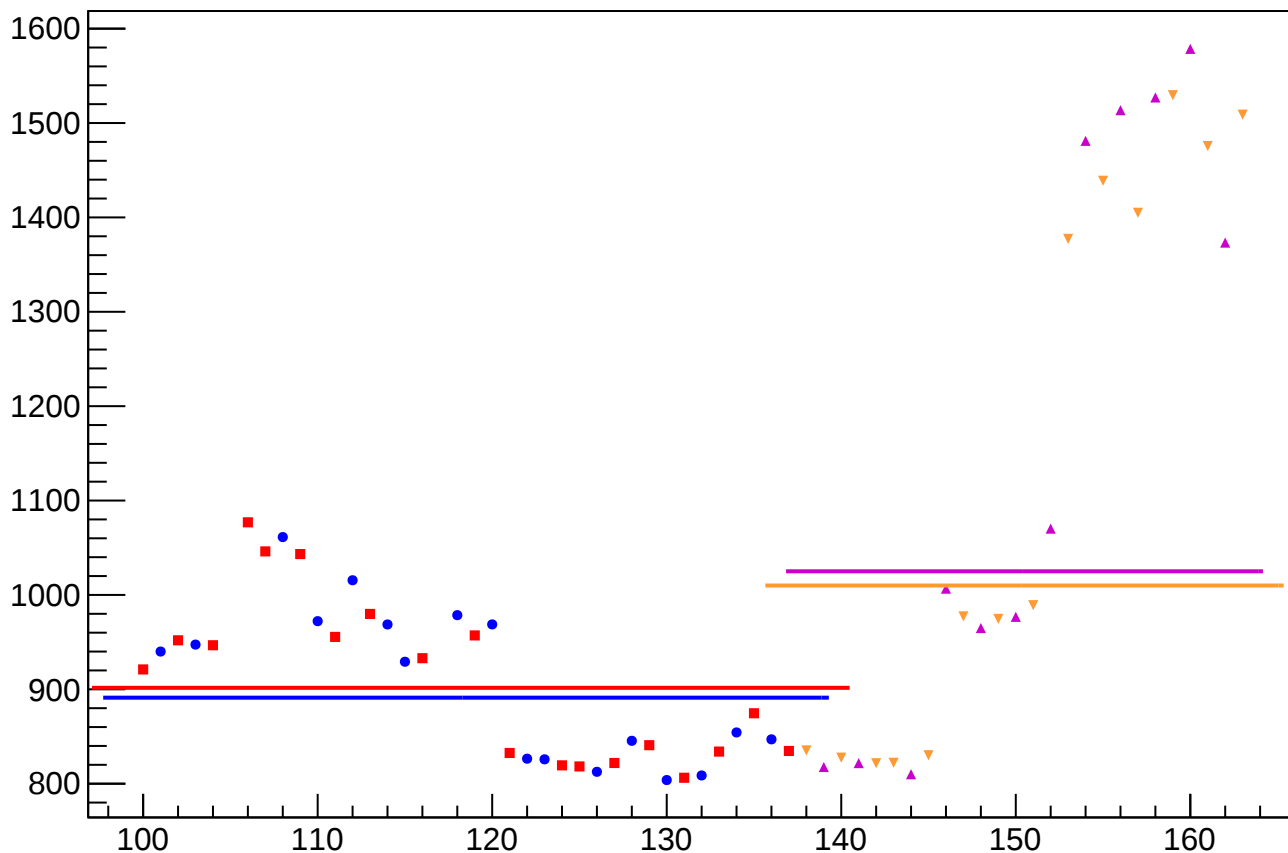
Left In: 5.920 $\pm$ 0.340 χ^2 /NDF:626.2/11

+ sign 3.741 $\pm$ 0.235 χ^2 /NDF: 1187.9/30

All: 1.954 $\pm$ 0.168 χ^2 /NDF: 2814.1/61

- sign 0.095 $\pm$ 0.240 χ^2 /NDF: 1508.5/30

diff_bpm2i01X_rms vs Slug



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

Left Out: 1009.989 ± 0.228 $\chi^2/\text{NDF}: 1208108.3/13$

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

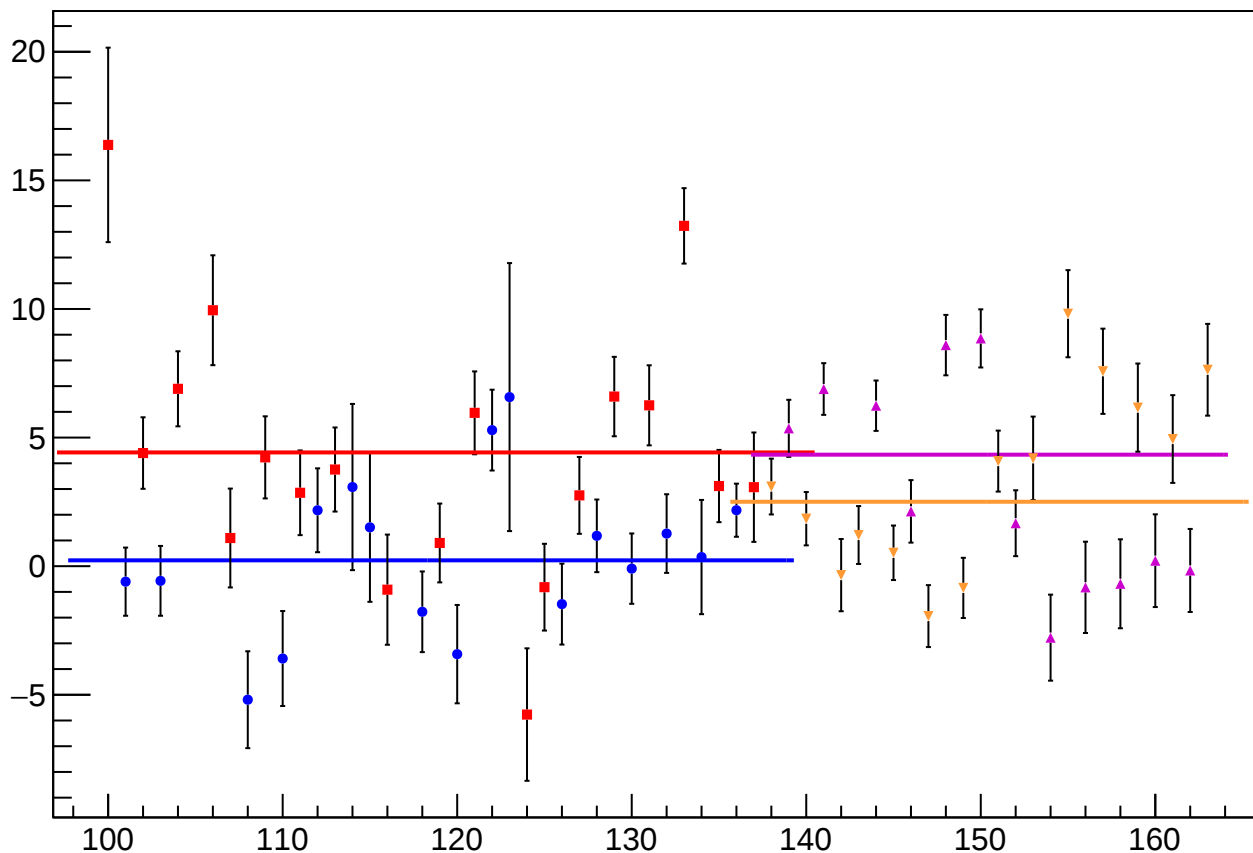
Left In: 1025.056 ± 0.241 $\chi^2/\text{NDF}: 1110209.0/11$

+ sign 954.552 ± 0.166 $\chi^2/\text{NDF}: 1436744.8/30$

All: 958.677 ± 0.119 $\chi^2/\text{NDF}: 2795111.9/61$

- sign 962.970 ± 0.170 $\chi^2/\text{NDF}: 1357112.4/30$

diff_bpm2i01Y_mean vs Slug



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

Left Out: 2.505 ± 0.349 χ^2/NDF : 77.2/13

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

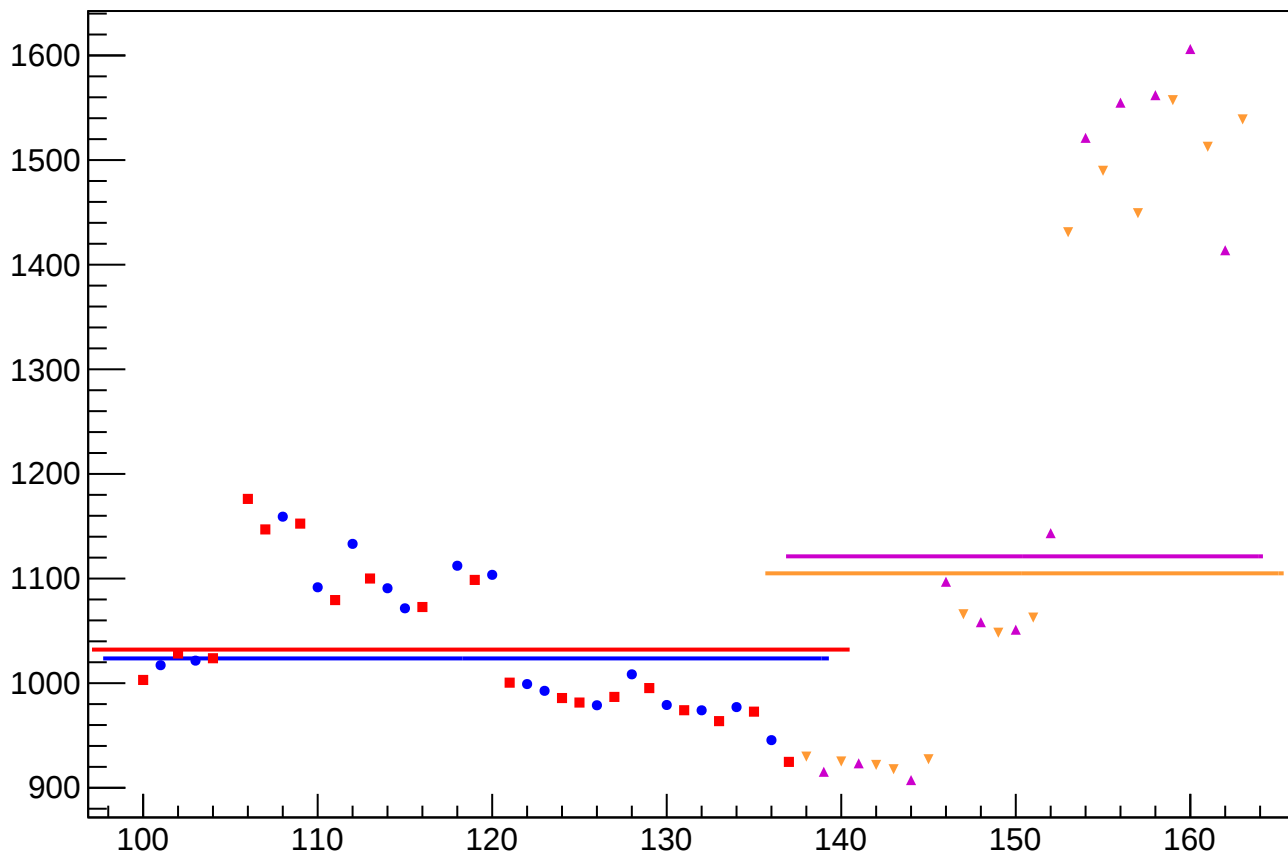
Left In: 4.335 ± 0.369 χ^2/NDF : 95.8/11

+ sign 1.505 ± 0.262 χ^2/NDF : 134.4/30

All: 2.912 ± 0.187 χ^2/NDF : 392.6/61

- sign 4.377 ± 0.267 χ^2/NDF : 199.2/30

diff_bpm2i01Y_rms vs Slug



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

Left Out: 1104.982+/-0.247 χ^2/NDF : 909349.0/13

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

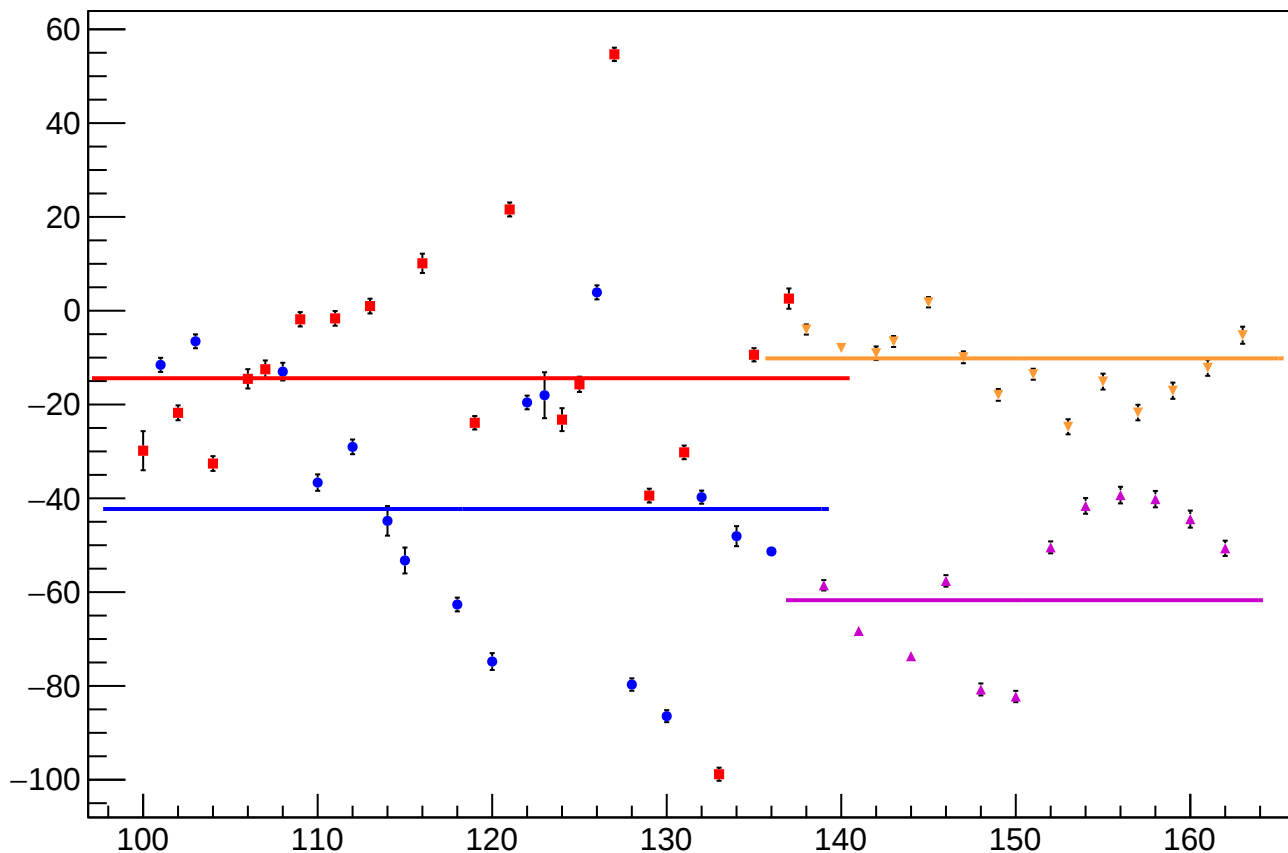
Left In: 1121.230+/-0.261 χ^2/NDF : 830776.8/11

+ sign 1069.277+/-0.185 χ^2/NDF : 1009287.4/30

All: 1073.916+/-0.132 χ^2/NDF : 1956324.9/63

- sign 1078.744+/-0.189 χ^2/NDF : 945755.1/30

diff_bpm2i02X_mean vs Slug



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

Left Out: -10.161 ± 0.357 χ^2/NDF : 375.1/13

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

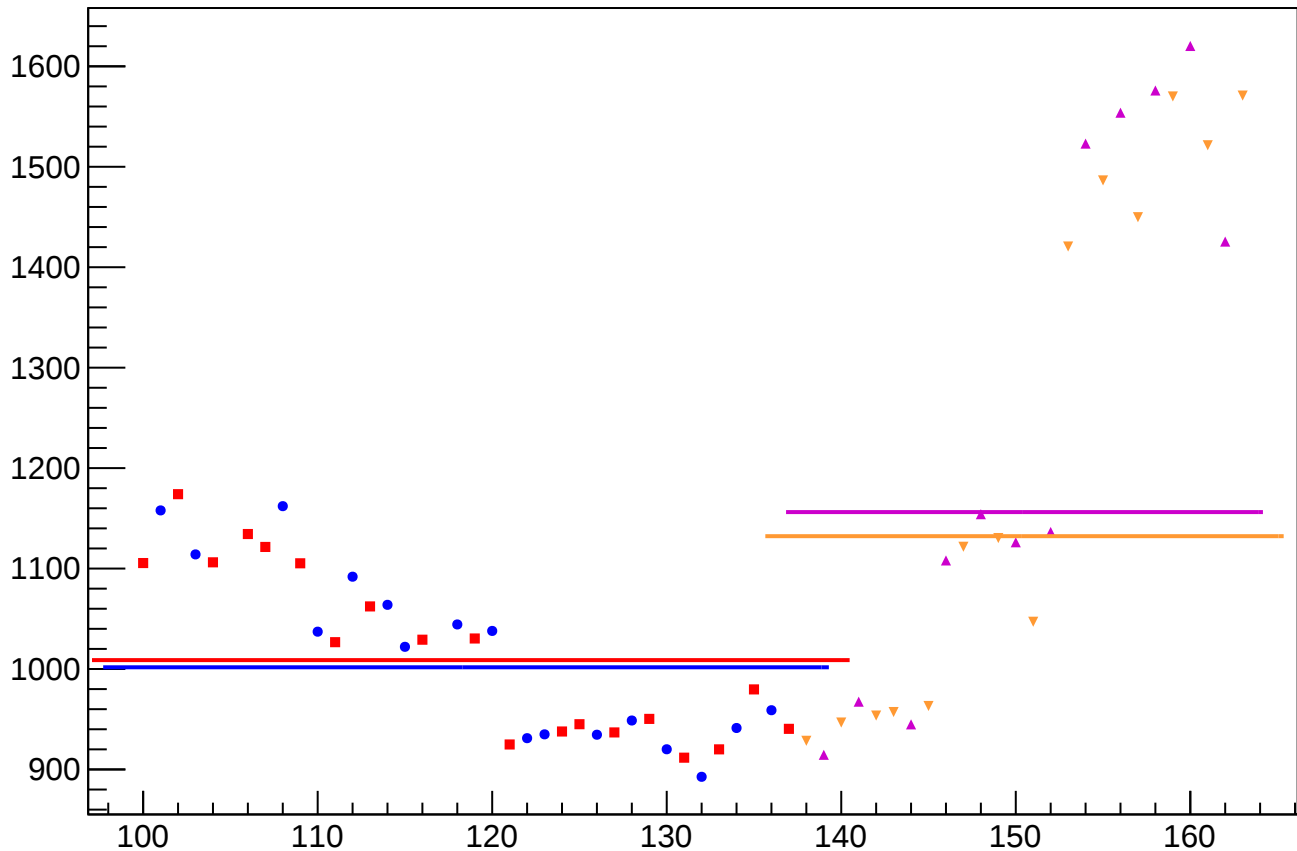
Left In: -61.721 ± 0.380 χ^2/NDF : 1373.4/11

+ sign -24.943 ± 0.263 χ^2/NDF : 9217.0/30

All: -31.321 ± 0.188 χ^2/NDF : 27254.3/61

- sign -37.968 ± 0.268 χ^2/NDF : 16833.0/30

diff_bpm2i02X_rms vs Slug



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

Left Out: 1132.235 $\pm$ 0.253 χ^2 /NDF: 836486.9/13

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

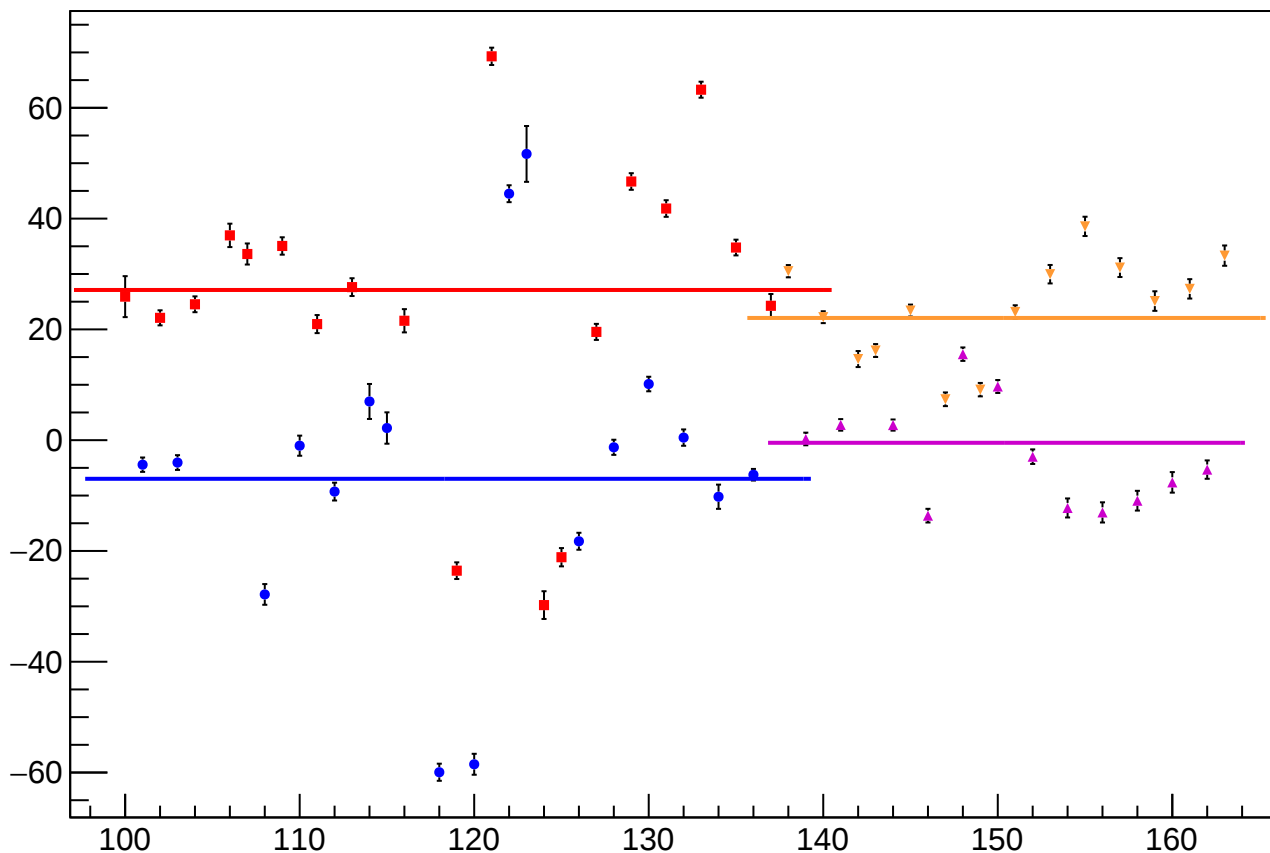
Left In: 1156.218 $\pm$ 0.269 χ^2 /NDF: 746501.7/11

+ sign 1072.157 $\pm$ 0.186 χ^2 /NDF: 1054689.2/30

All: 1077.102 $\pm$ 0.133 χ^2 /NDF: 2049044.3/63

- sign 1082.256 $\pm$ 0.190 χ^2 /NDF: 992907.2/30

diff_bpm2i02Y_mean vs Slug



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

Left Out: 22.064 ± 0.359 χ^2/NDF : 557.6/13

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

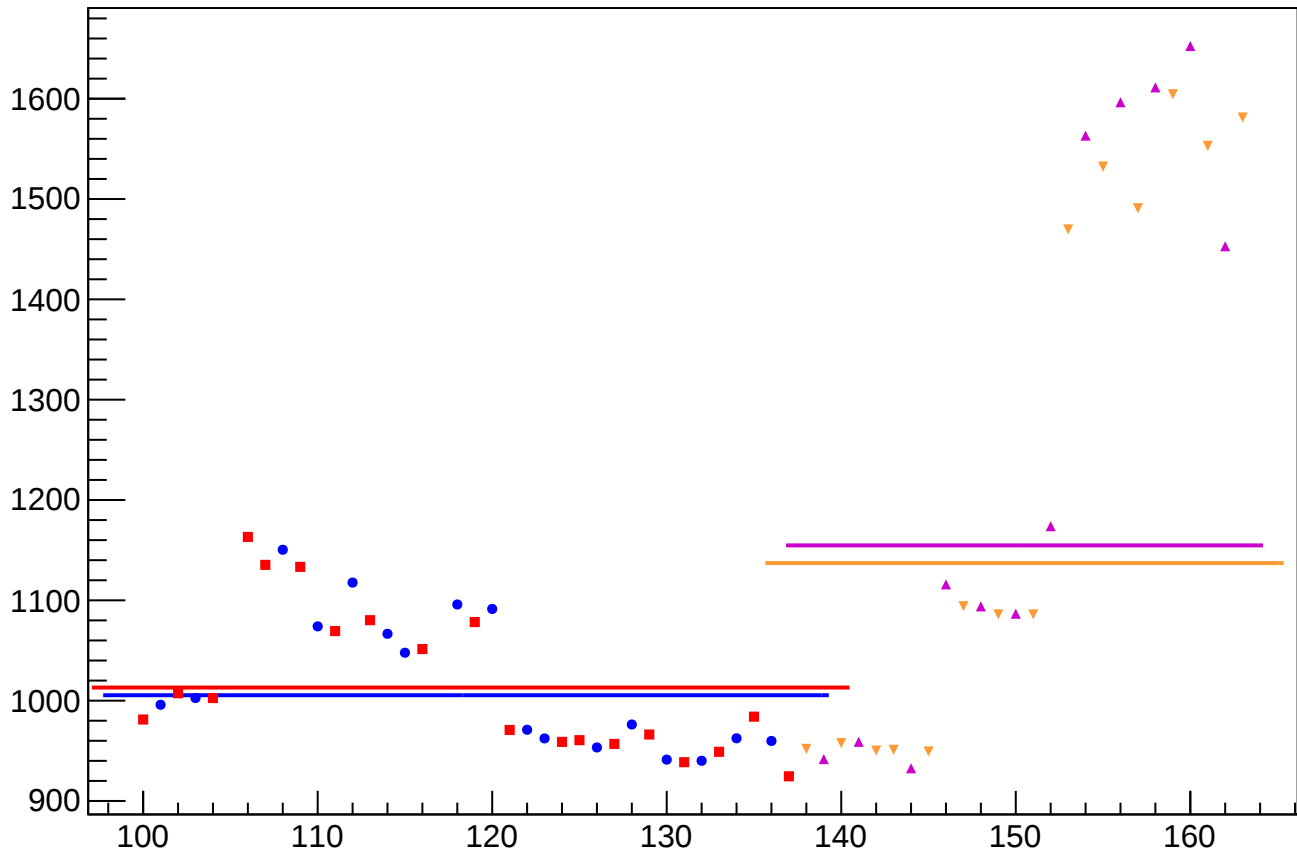
Left In: -0.474 ± 0.380 χ^2/NDF : 538.5/11

+ sign 8.649 ± 0.264 χ^2/NDF : 7208.8/30

All: 10.950 ± 0.188 χ^2/NDF : 14824.4/61

- sign 13.336 ± 0.269 χ^2/NDF : 7460.5/30

diff_bpm2i02Y_rms vs Slug



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

Left Out: 1137.121+/-0.254 χ^2/NDF : 904410.4/13

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

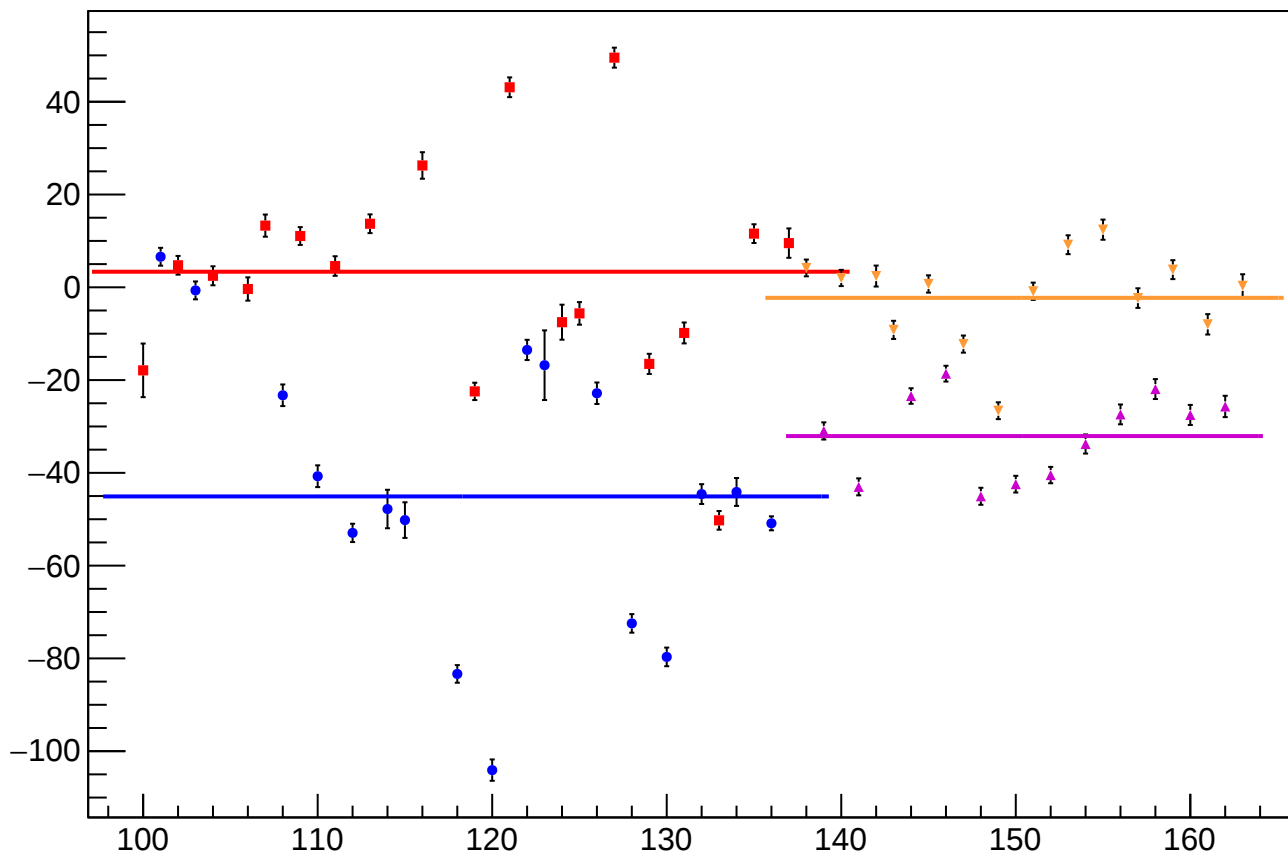
Left In: 1154.762+/-0.269 χ^2/NDF : 822043.3/11

+ sign 1076.273+/-0.186 χ^2/NDF : 1083022.9/30

All: 1079.985+/-0.133 χ^2/NDF : 2108332.8/63

- sign 1083.835+/-0.190 χ^2/NDF : 1024502.5/30

diff_bpm0i02X_mean vs Slug



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

Left Out: -2.269 ± 0.531 χ^2/NDF : 341.8/13

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

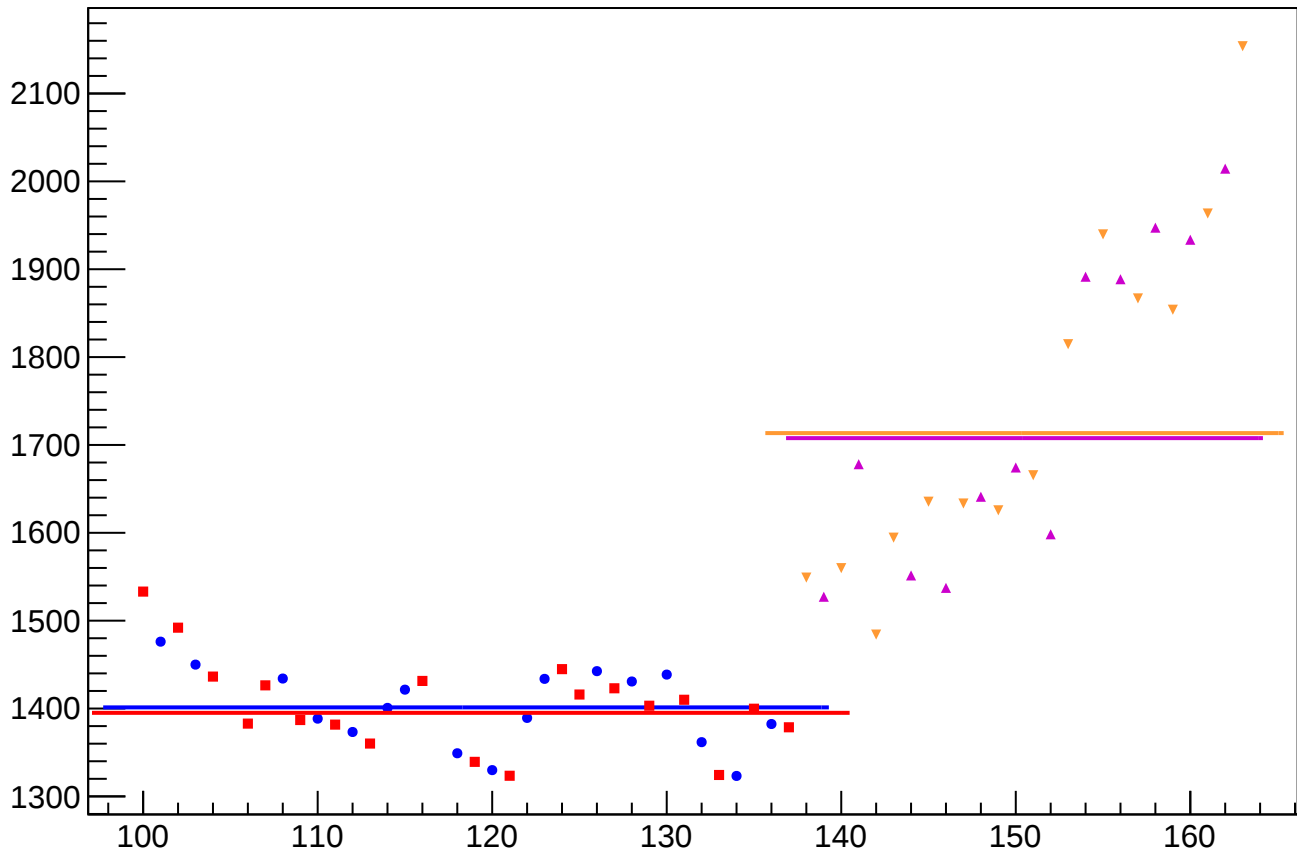
Left In: -32.069 ± 0.551 χ^2/NDF : 270.7/11

+ sign -23.319 ± 0.378 χ^2/NDF : 6778.5/30

All: -18.359 ± 0.268 χ^2/NDF : 11577.4/61

- sign -13.385 ± 0.379 χ^2/NDF : 4454.8/30

diff_bpm0i02X_rms vs Slug



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

Left Out: 1713.492 ± 0.375 χ^2/NDF : 208166.3/13

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

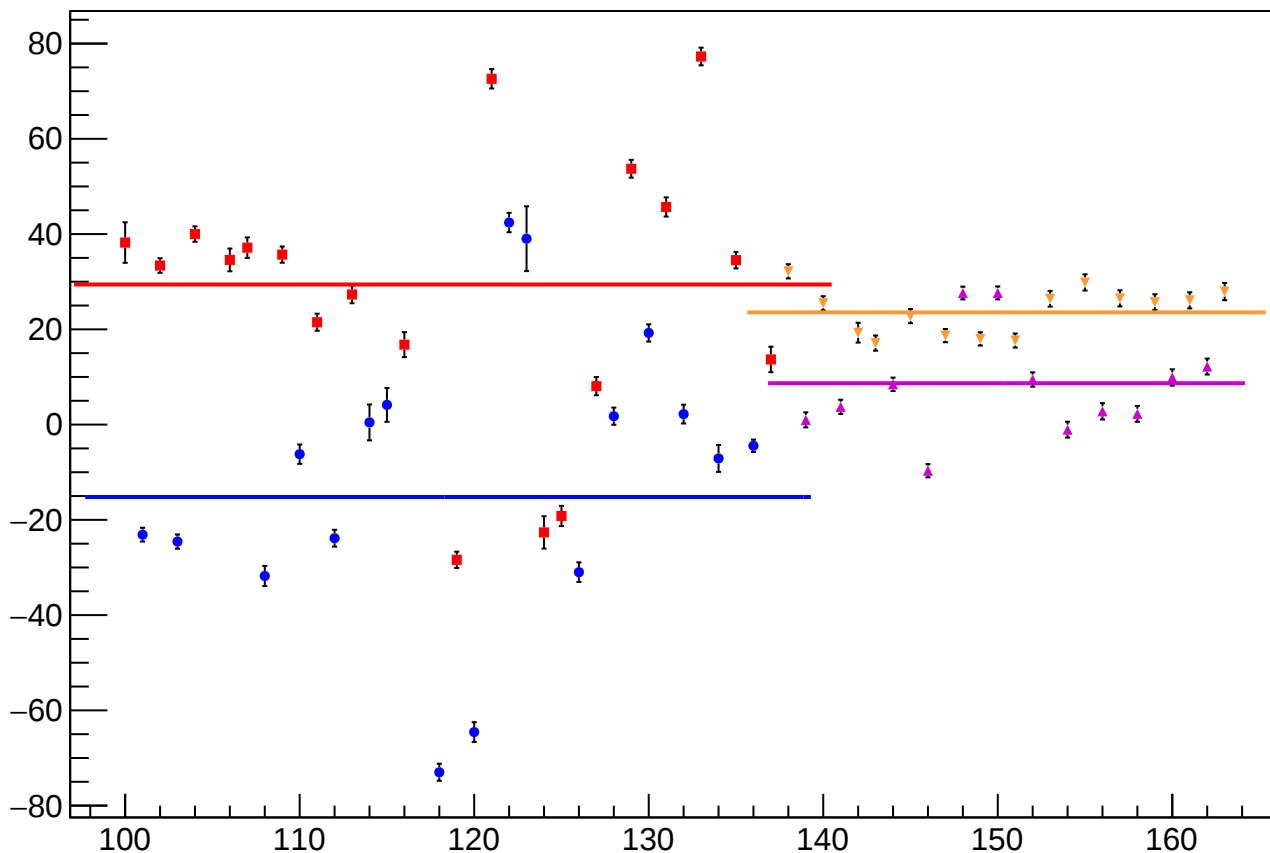
Left In: 1707.763 ± 0.390 χ^2/NDF : 180412.3/11

+ sign 1559.995 ± 0.268 χ^2/NDF : 561182.8/30

All: 1551.441 ± 0.189 χ^2/NDF : 1098491.3/63

- sign 1542.864 ± 0.268 χ^2/NDF : 535262.2/30

diff_bpm0i02Y_mean vs Slug



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

Left Out: 23.557 ± 0.425 χ^2/NDF : 129.0/13

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

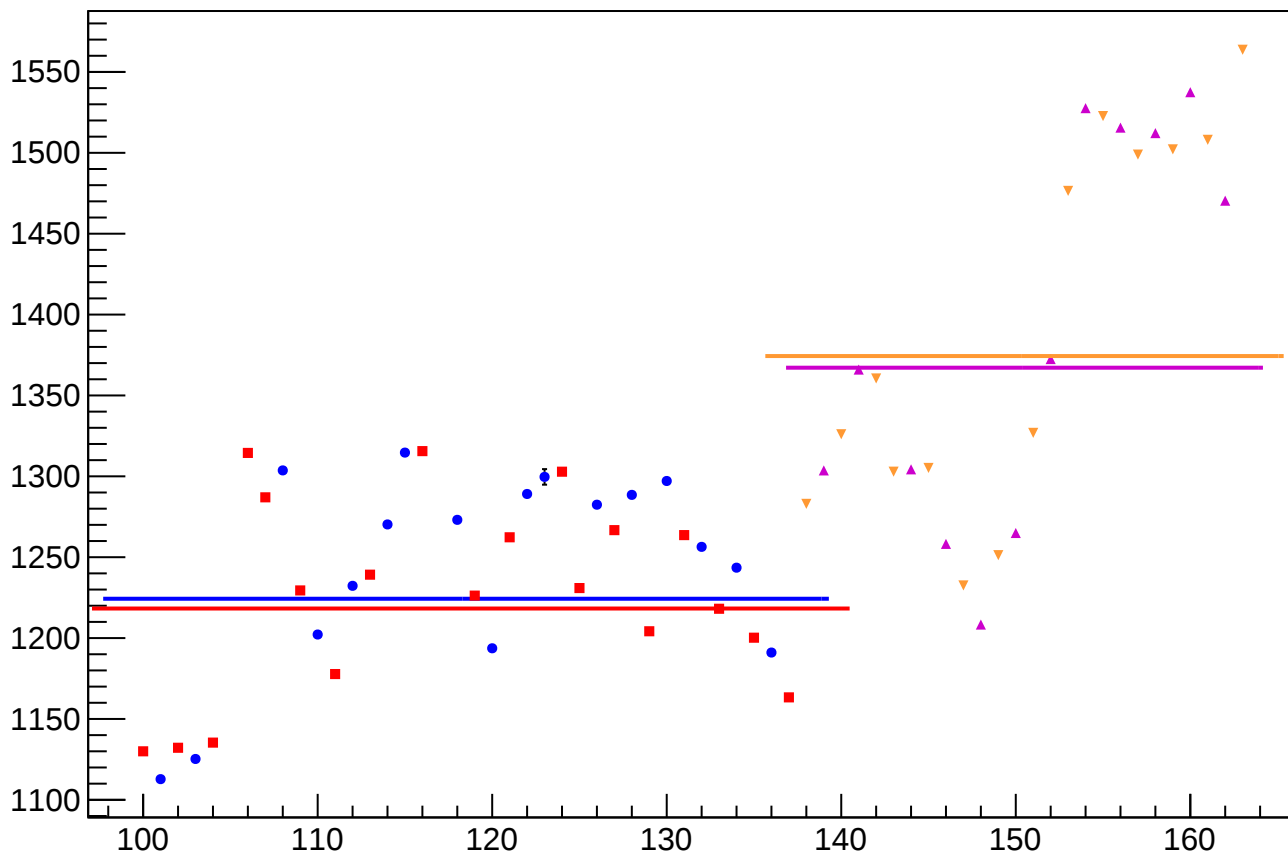
Left In: 8.692 ± 0.440 χ^2/NDF : 668.9/11

+ sign 6.209 ± 0.316 χ^2/NDF : 7214.7/30

All: 12.430 ± 0.224 χ^2/NDF : 13275.1/61

- sign -18.690 ± 0.317 χ^2/NDF : 5282.1/30

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1374.358+/-0.300 χ^2/NDF :136210.1/13

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

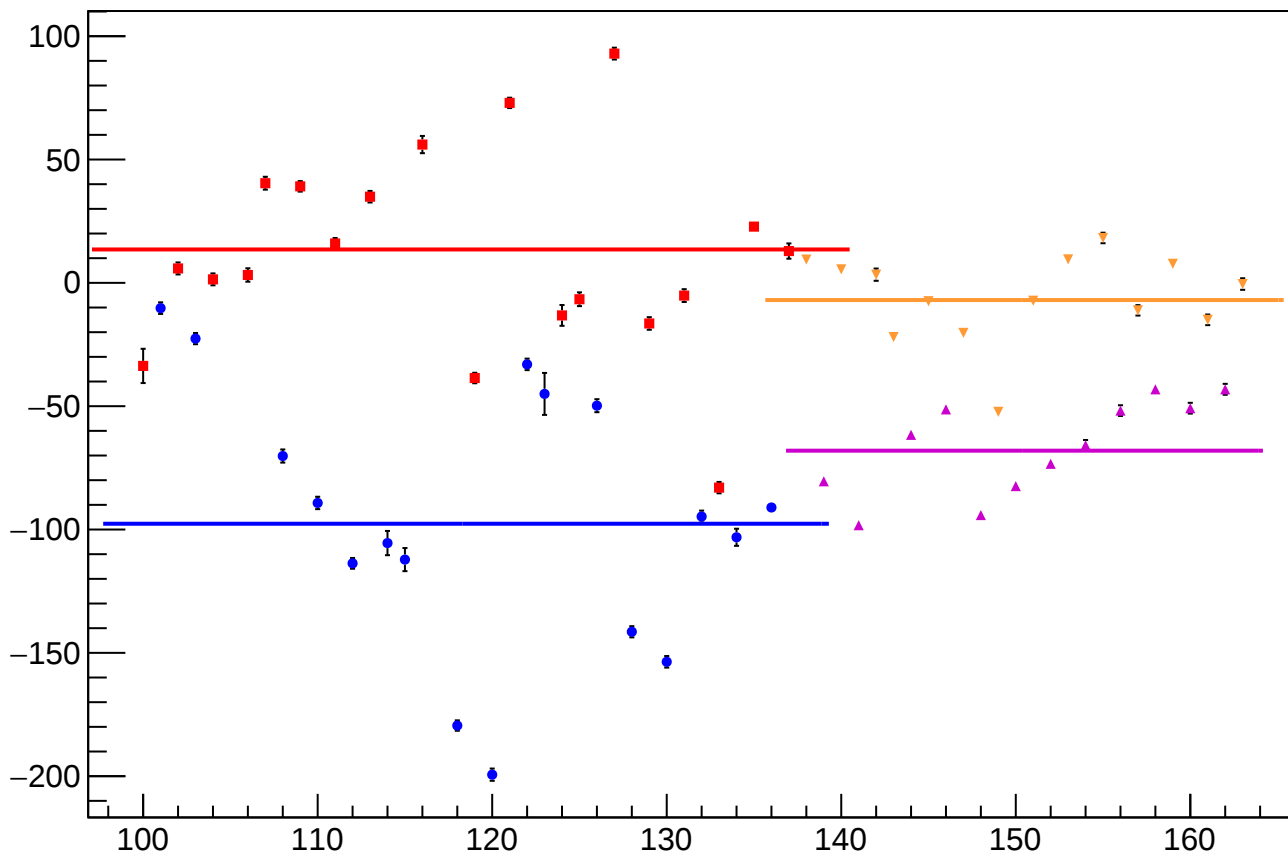
Left In: 1367.158+/-0.311 χ^2/NDF :134682.2/11

+ sign 1307.202+/-0.223 χ^2/NDF : 286571.4/30

All: 1301.289+/-0.158 χ^2/NDF : 560494.0/61

- sign 1295.338+/-0.224 χ^2/NDF : 272516.2/30

diff_bpm0i02aX_mean vs Slug



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

Left Out: -6.968 ± 0.532 χ^2/NDF : 1150.8/13

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

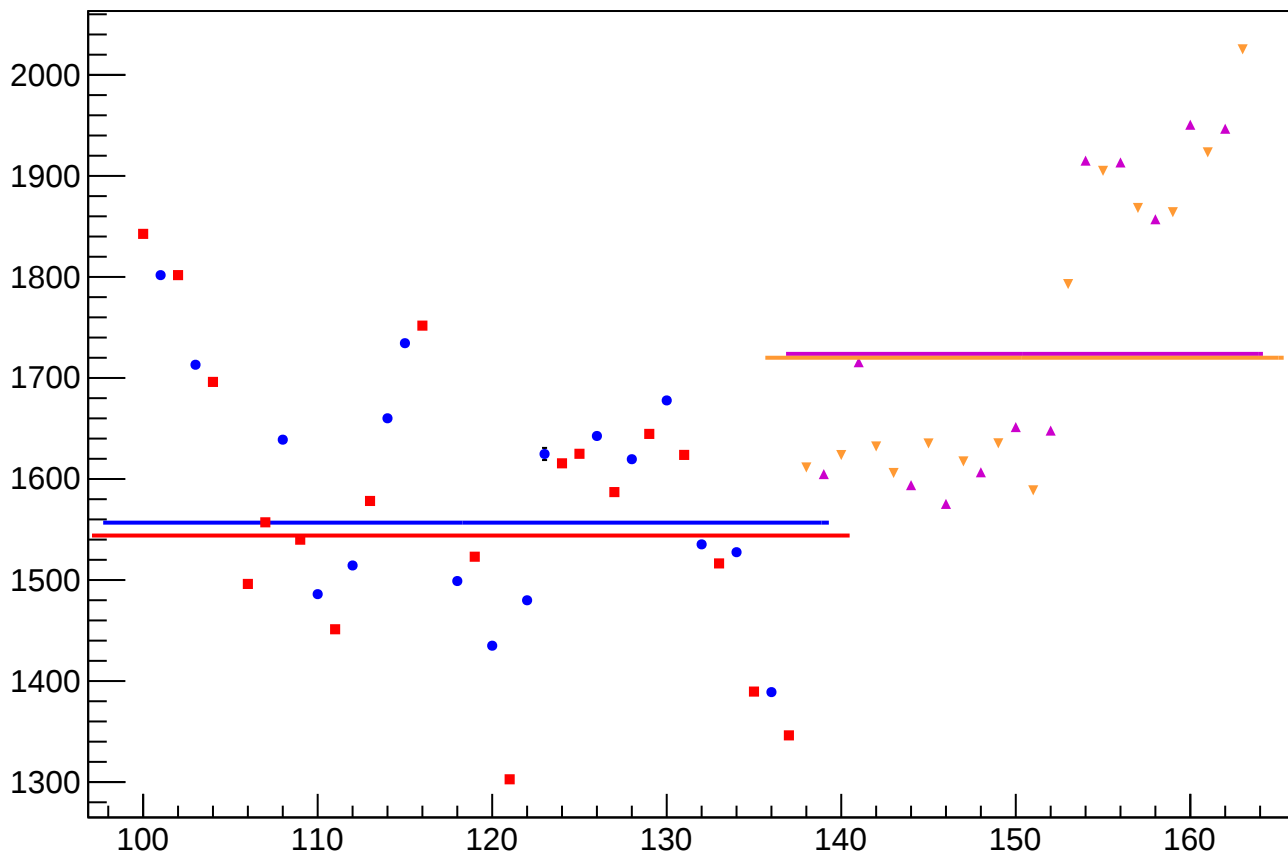
Left In: -68.036 ± 0.555 χ^2/NDF : 1087.1/11

+ sign -46.791 ± 0.398 χ^2/NDF : 21845.3/30

All: -37.936 ± 0.283 χ^2/NDF : 39384.9/61

- sign -28.972 ± 0.401 χ^2/NDF : 16545.9/30

diff_bpm0i02aX_rms vs Slug



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

Left Out: 1720.027 $\pm$ 0.376 χ^2 /NDF:136200.4/13

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

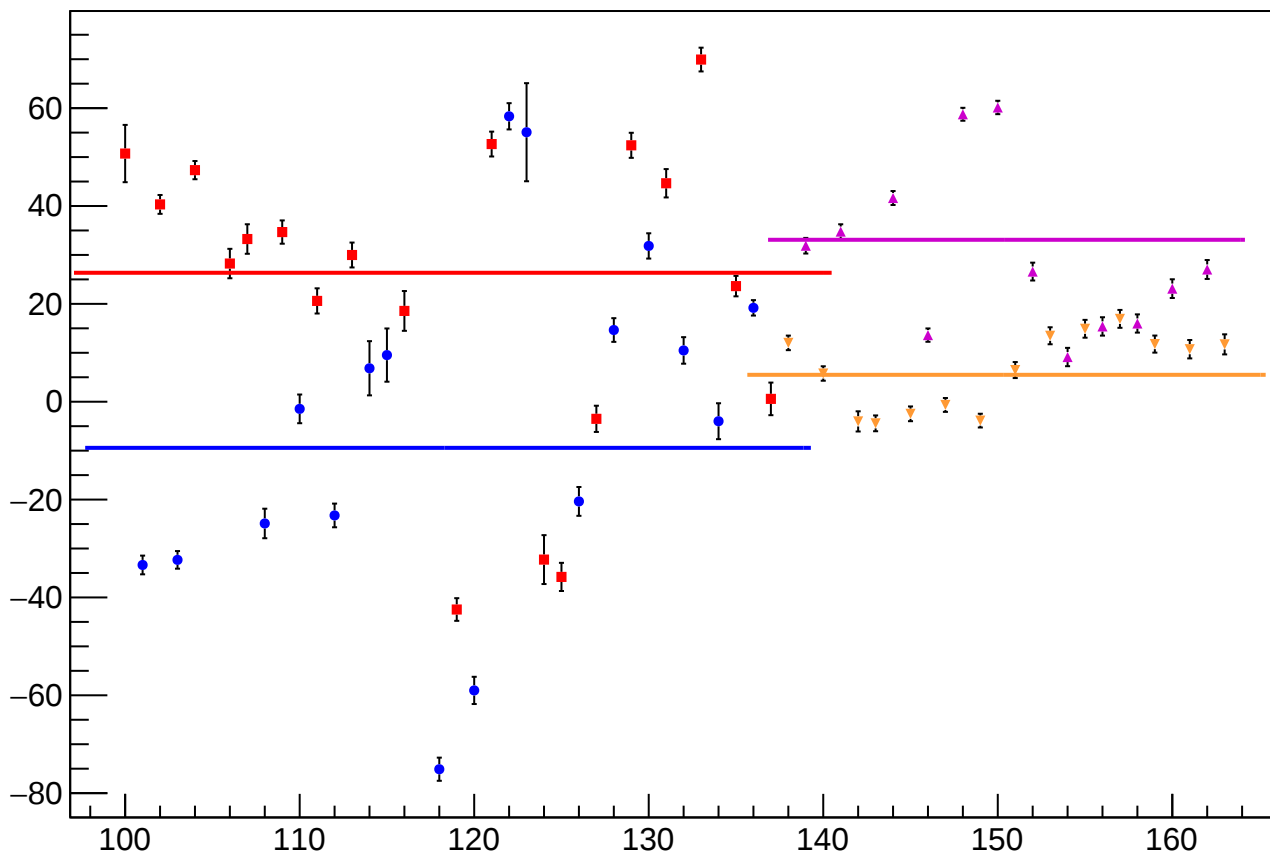
Left In: 1723.851 $\pm$ 0.393 χ^2 /NDF:131130.9/11

+ sign 1648.351 $\pm$ 0.282 χ^2 /NDF: 300406.7/30

All: 1643.078 $\pm$ 0.200 χ^2 /NDF: 633139.3/61

- sign 1637.741 $\pm$ 0.284 χ^2 /NDF: 332028.0/30

diff_bpm0i02aY_mean vs Slug



Right In: -9.427 ± 0.626 χ^2/NDF : 2924.1/16

Left Out: 5.499 ± 0.442 χ^2/NDF : 286.8/13

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

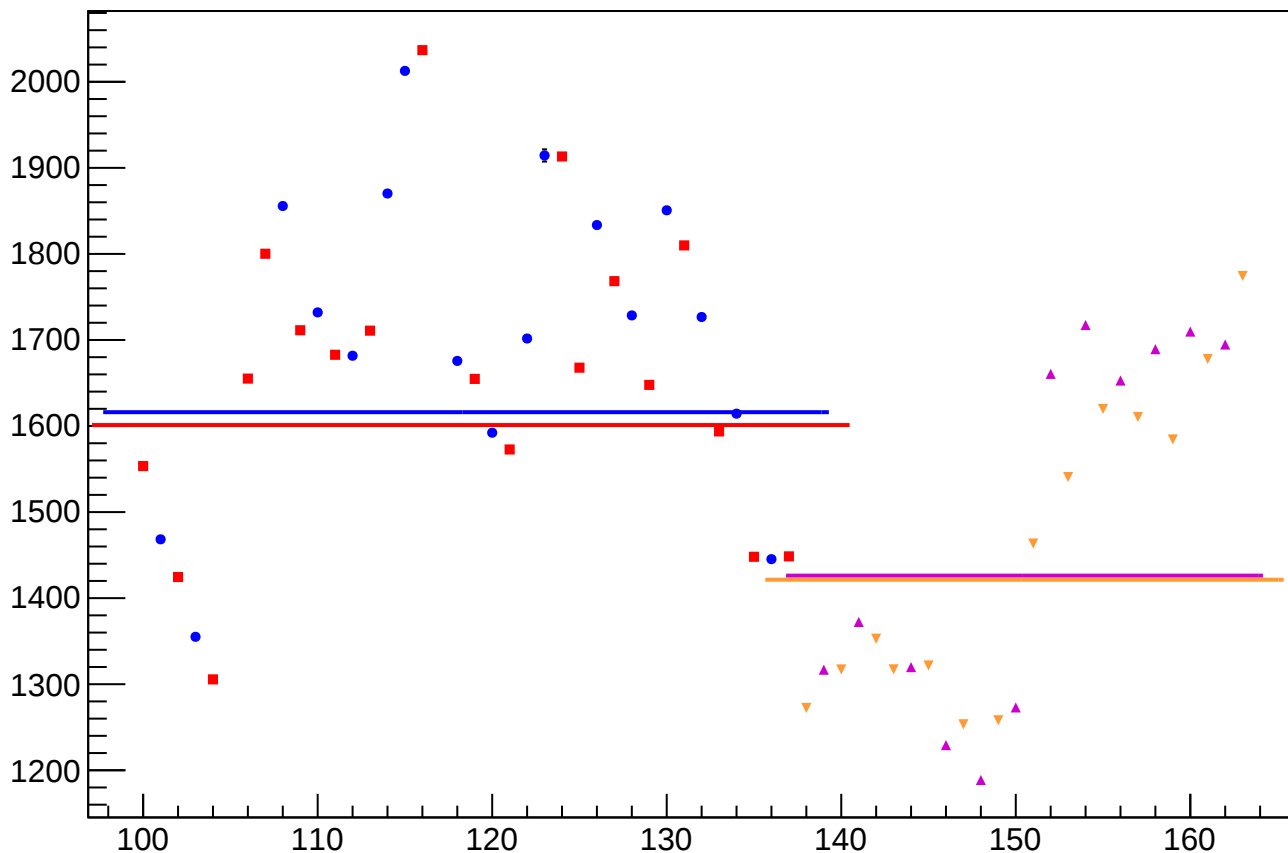
Left In: 33.096 ± 0.463 χ^2/NDF : 1395.5/11

+ sign 0.545 ± 0.361 χ^2/NDF : 3590.2/30

All: 15.317 ± 0.257 χ^2/NDF : 10944.7/61

- sign 30.596 ± 0.367 χ^2/NDF : 3946.2/30

diff_bpm0i02aY_rms vs Slug



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

Left Out: 1421.423+/-0.312 χ^2/NDF : 274239.2/13

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

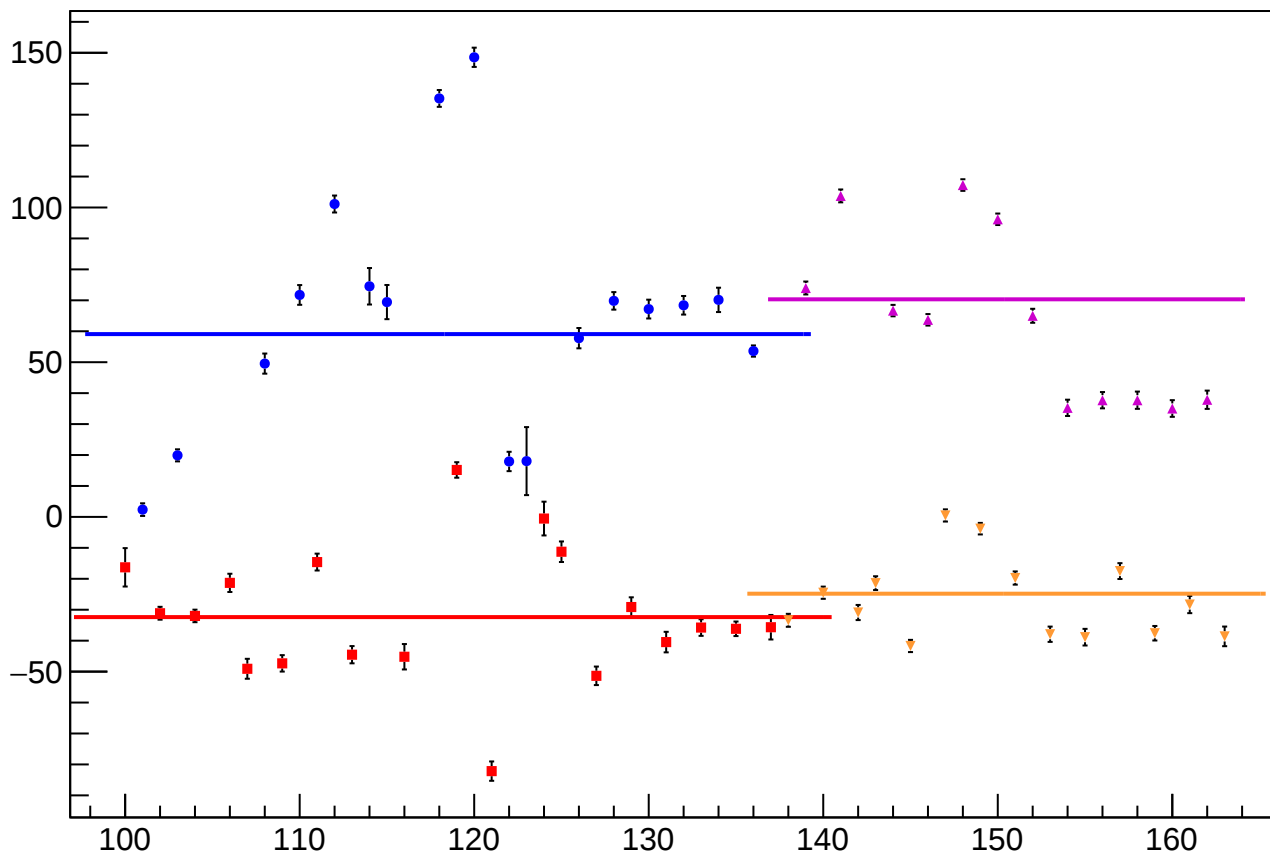
Left In: 1426.151+/-0.327 χ^2/NDF : 387303.2/11

+ sign 1486.029+/-0.255 χ^2/NDF : 552871.6/30

All: 1488.487+/-0.182 χ^2/NDF : 1200061.3/63

- sign 1491.030+/-0.260 χ^2/NDF : 647000.8/30

diff_bpm0i05X_mean vs Slug



Right In: 59.081 ± 0.699 χ^2/NDF : 3293.6/16

Left Out: -24.819 ± 0.605 χ^2/NDF : 508.9/13

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

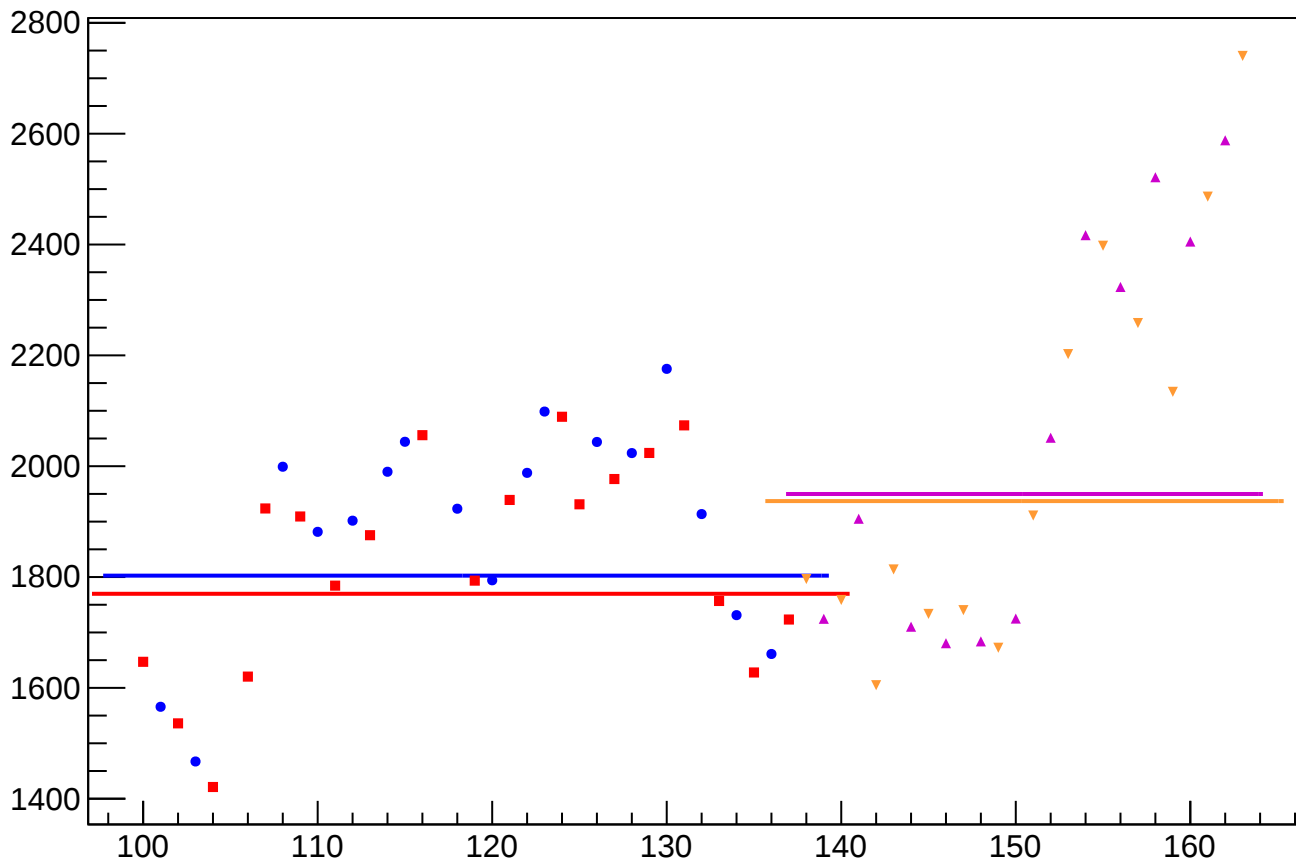
Left In: 70.323 ± 0.635 χ^2/NDF : 1623.1/11

+ sign 11.071 ± 0.457 χ^2/NDF : 12035.7/30

All: 16.228 ± 0.324 χ^2/NDF : 27249.3/61

- sign 21.437 ± 0.460 χ^2/NDF : 14958.2/30

diff_bpm0i05X_rms vs Slug



Right In: 1802.524+/-0.495 χ^2/NDF : 184069.0/16

Left Out: 1937.055+/-0.428 χ^2/NDF : 483027.6/13

Right Out: 1769.772+/-0.471 χ^2/NDF : 177893.4/18

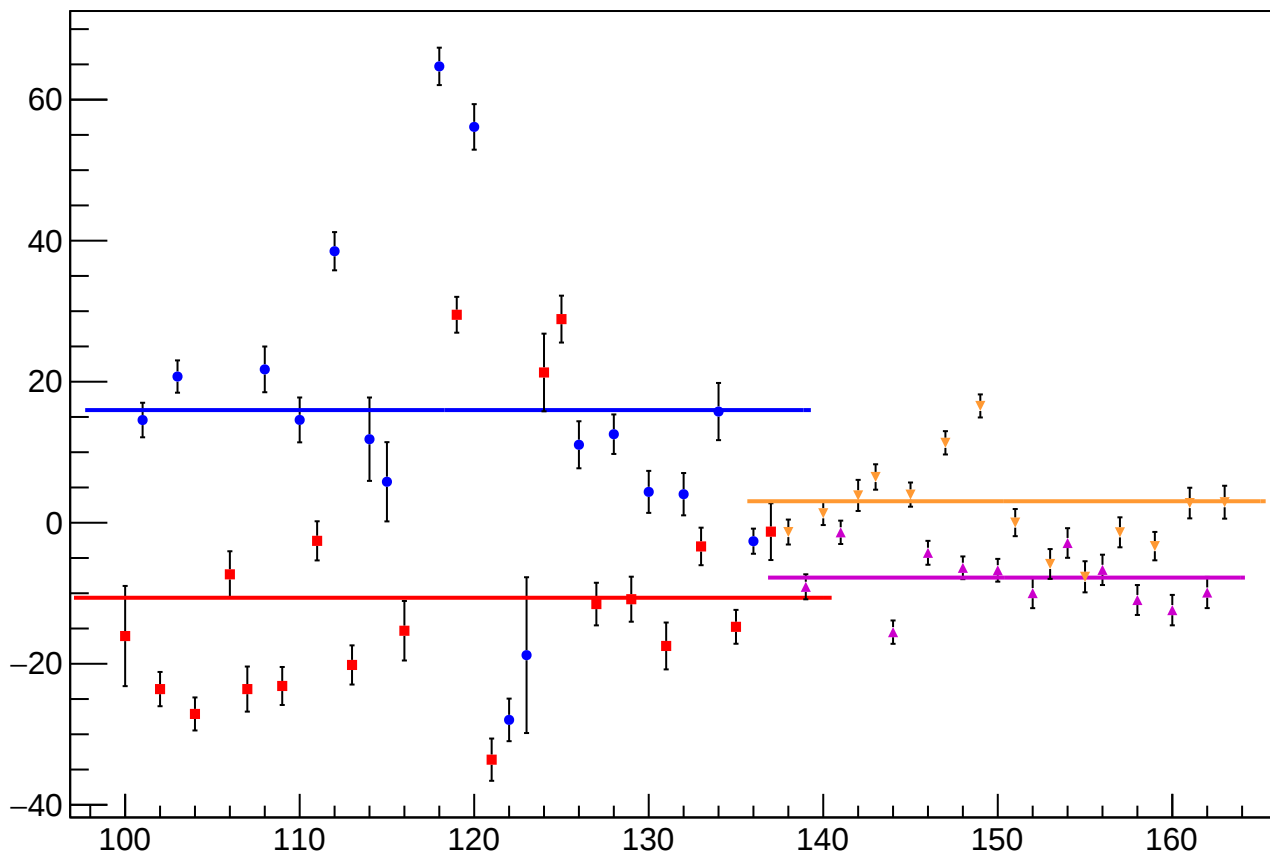
Left In: 1949.849+/-0.449 χ^2/NDF : 510282.6/11

+ sign 1879.507+/-0.323 χ^2/NDF : 709433.6/30

All: 1871.860+/-0.229 χ^2/NDF : 1475240.7/63

- sign 1864.135+/-0.325 χ^2/NDF : 764683.7/30

diff_bpm0i05Y_mean vs Slug



Right In: 15.976 $\pm$ 0.722 χ^2 /NDF: 938.4/16

Left Out: 3.049 $\pm$ 0.511 χ^2 /NDF: 162.7/13

Right Out: -10.638 $\pm$ 0.693 χ^2 /NDF: 642.1/18

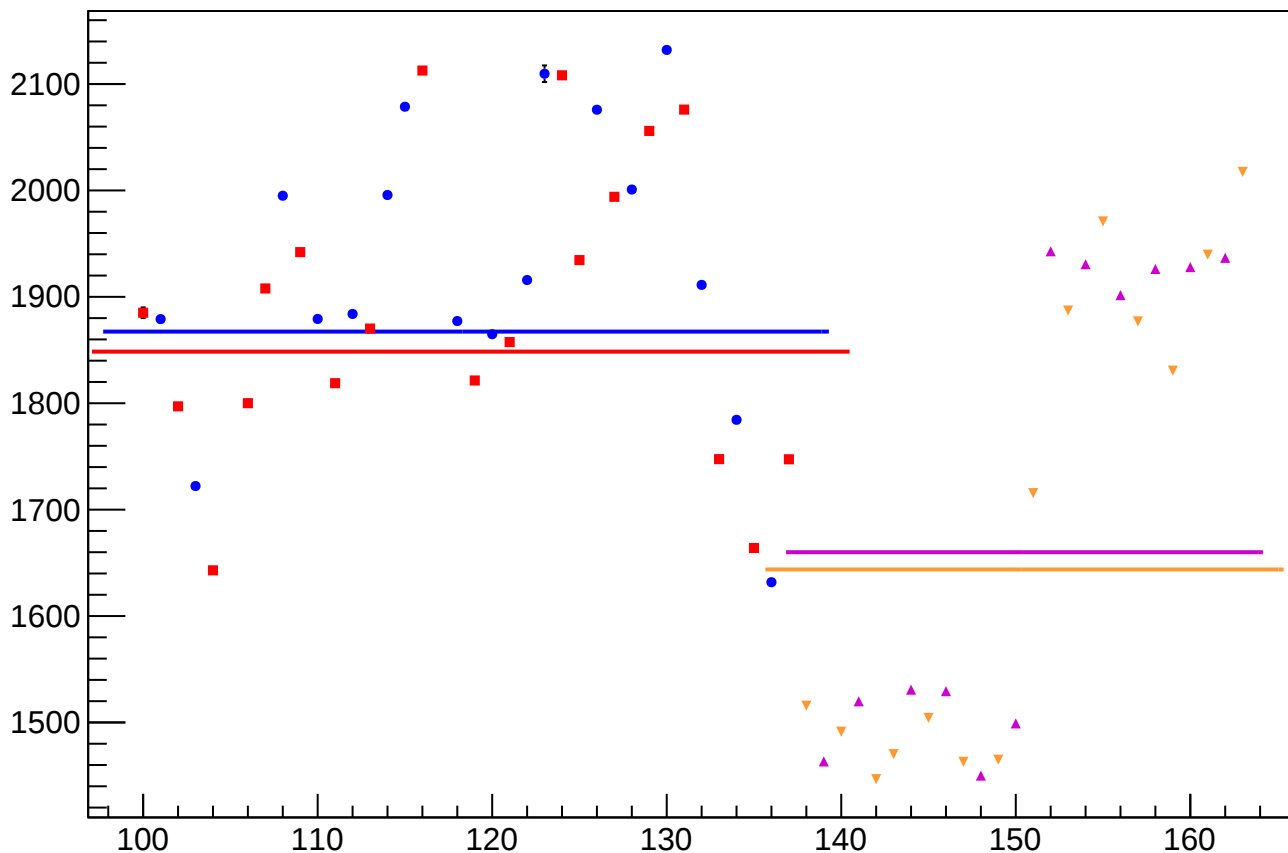
Left In: -7.780 $\pm$ 0.537 χ^2 /NDF: 57.4/11

+ sign 7.364 $\pm$ 0.417 χ^2 /NDF: 1314.8/30

All: -0.597 $\pm$ 0.297 χ^2 /NDF: 2767.6/61

- sign -8.851 $\pm$ 0.425 χ^2 /NDF: 710.1/30

diff_bpm0i05Y_rms vs Slug



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

Left Out: 1643.780+/-0.361 χ^2/NDF : 325524.6/13

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

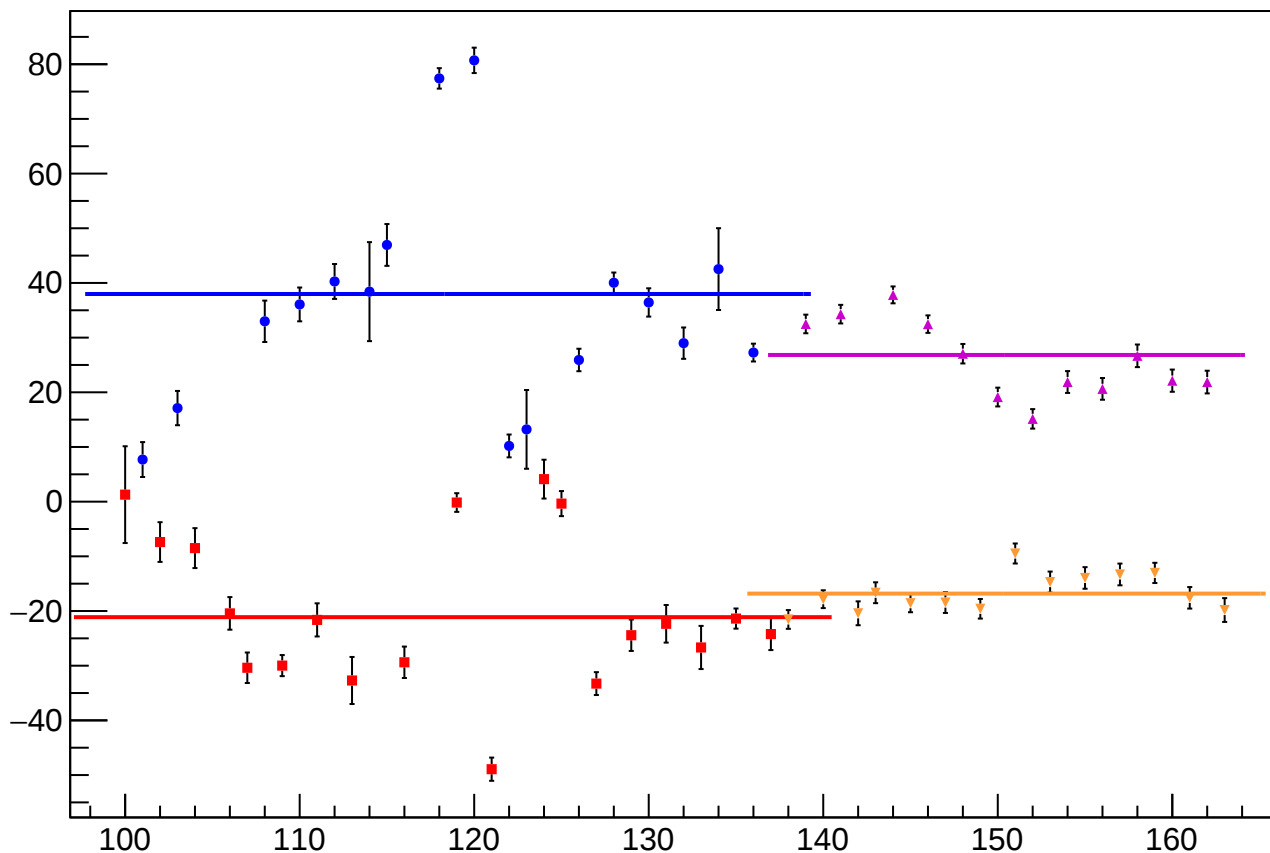
Left In: 1659.998+/-0.380 χ^2/NDF : 303930.6/11

+ sign 1718.407+/-0.295 χ^2/NDF : 534332.3/30

All: 1724.435+/-0.210 χ^2/NDF : 1004077.1/63

- sign 1730.684+/-0.300 χ^2/NDF : 468893.4/30

diff_bpm0i07X_mean vs Slug



Right In: 37.979 ± 0.637 χ^2/NDF : 1204.3/16

Left Out: -16.817 ± 0.500 χ^2/NDF : 43.7/13

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

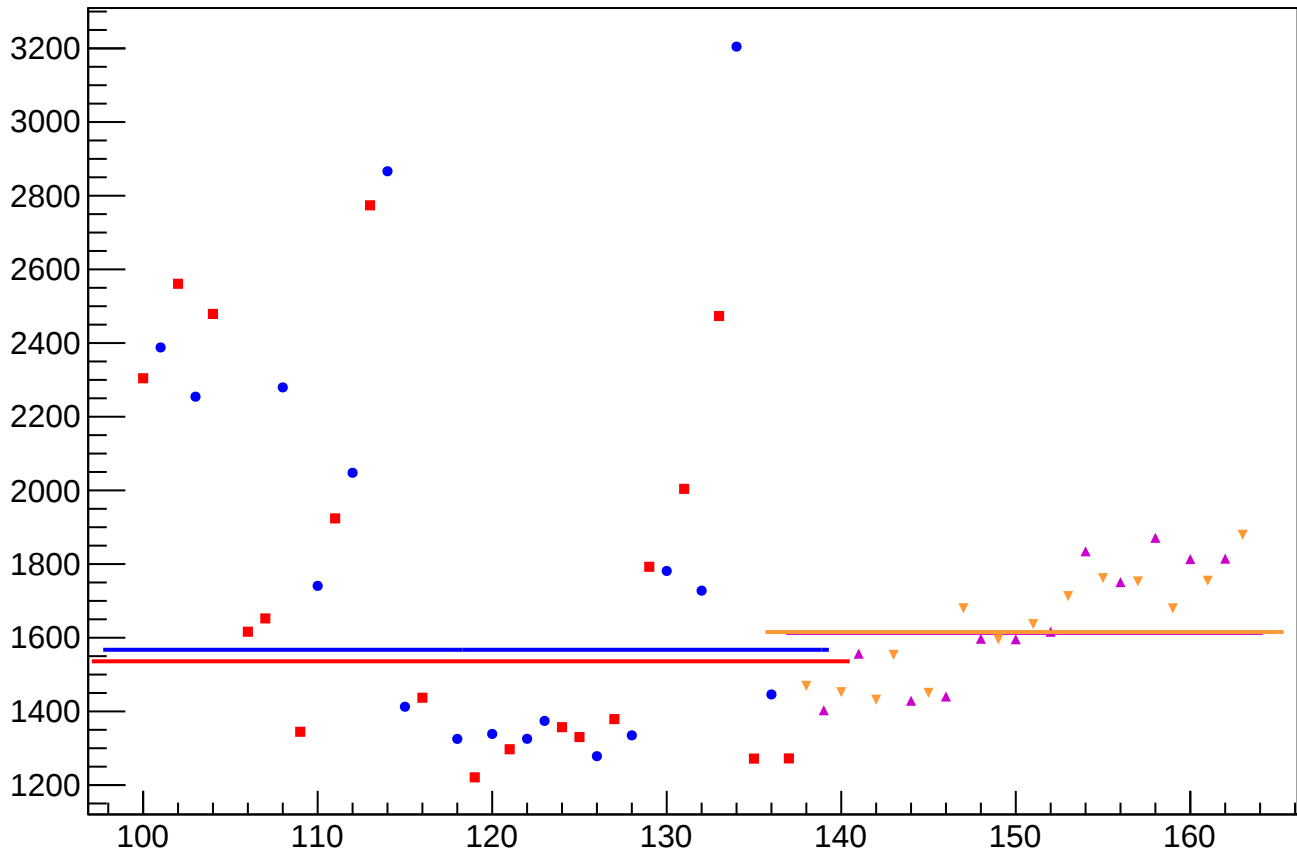
Left In: 26.829 ± 0.521 χ^2/NDF : 183.5/11

+ sign 4.071 ± 0.394 χ^2/NDF : 5821.8/30

All: 5.297 ± 0.279 χ^2/NDF : 10182.5/61

- sign 6.537 ± 0.396 χ^2/NDF : 4341.3/30

diff_bpm0i07X_rms vs Slug



Right In: 1567.328+/-0.451 χ^2/NDF : 673450.6/16

Left Out: 1615.493+/-0.354 χ^2/NDF : 141139.8/13

Right Out: 1535.967+/-0.430 χ^2/NDF : 882098.2/18

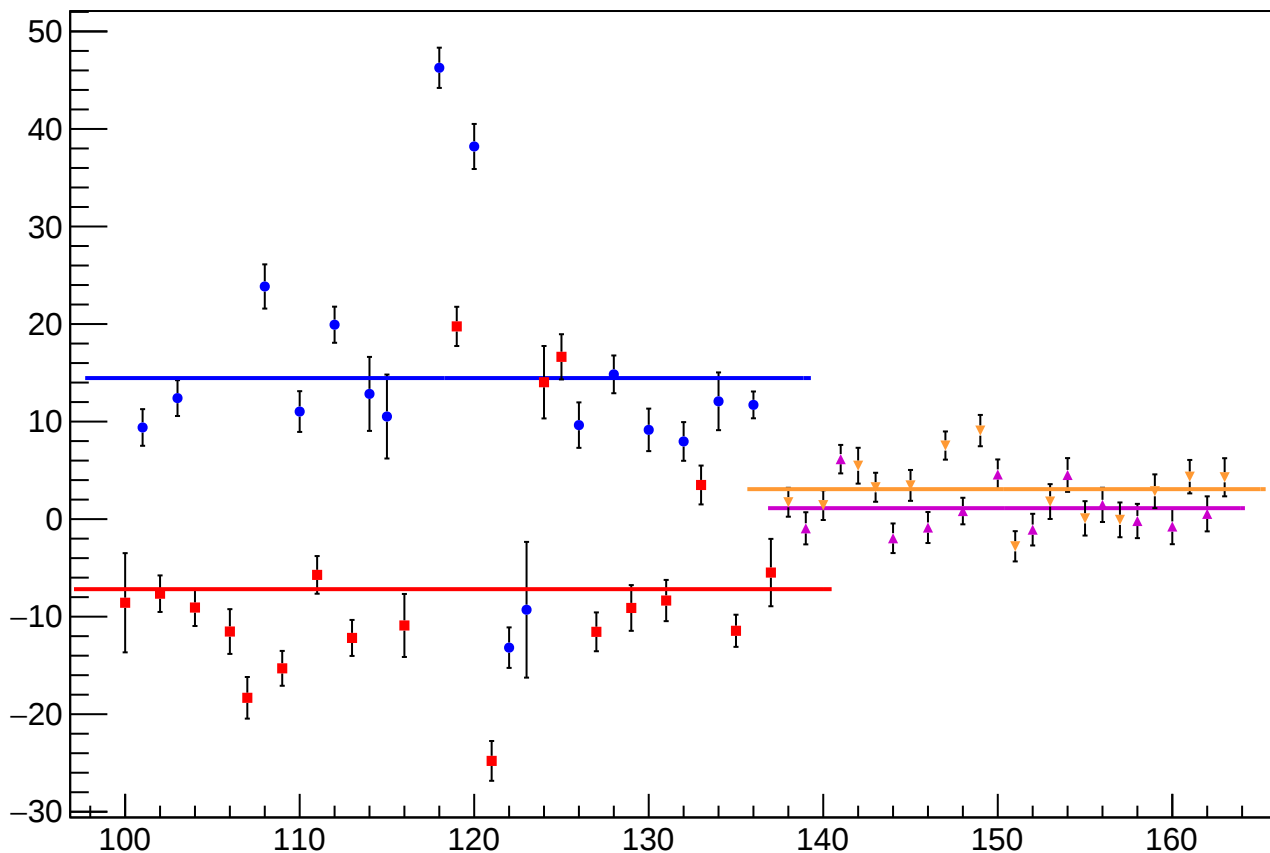
Left In: 1613.122+/-0.368 χ^2/NDF : 188511.8/11

+ sign 1597.133+/-0.278 χ^2/NDF : 821658.0/30

All: 1588.850+/-0.197 χ^2/NDF : 1912607.4/63

- sign 1580.473+/-0.280 χ^2/NDF : 1089167.0/30

diff_bpm0i07Y_mean vs Slug



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

Left Out: 3.073 ± 0.438 χ^2/NDF : 49.1/13

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

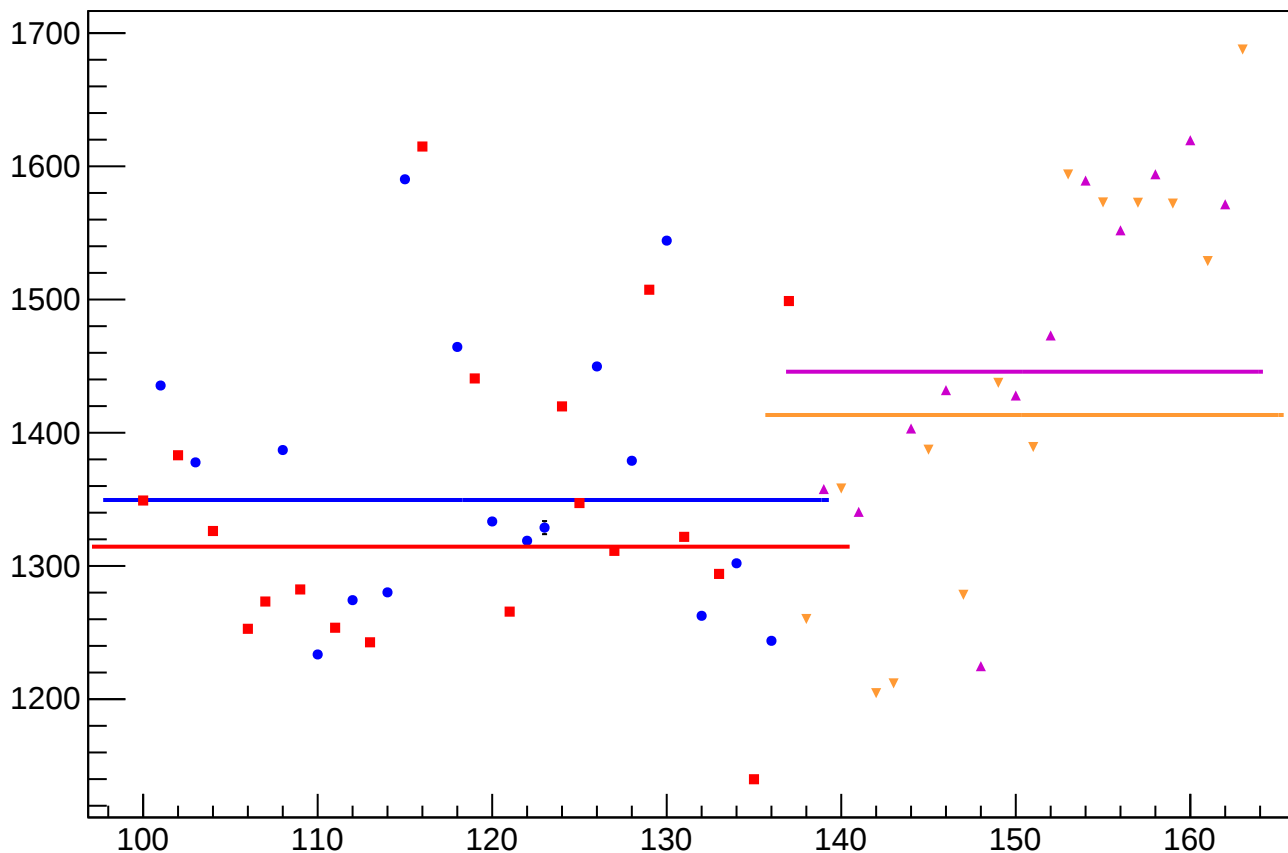
Left In: 1.123 ± 0.466 χ^2/NDF : 31.7/11

+ sign 7.771 ± 0.336 χ^2/NDF : 923.3/30

All: 2.541 ± 0.239 χ^2/NDF : 2088.8/61

- sign -2.783 ± 0.339 χ^2/NDF : 676.7/30

diff_bpm0i07Y_rms vs Slug



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

Left Out: 1413.328 ± 0.310 $\chi^2/\text{NDF}: 223613.9/13$

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

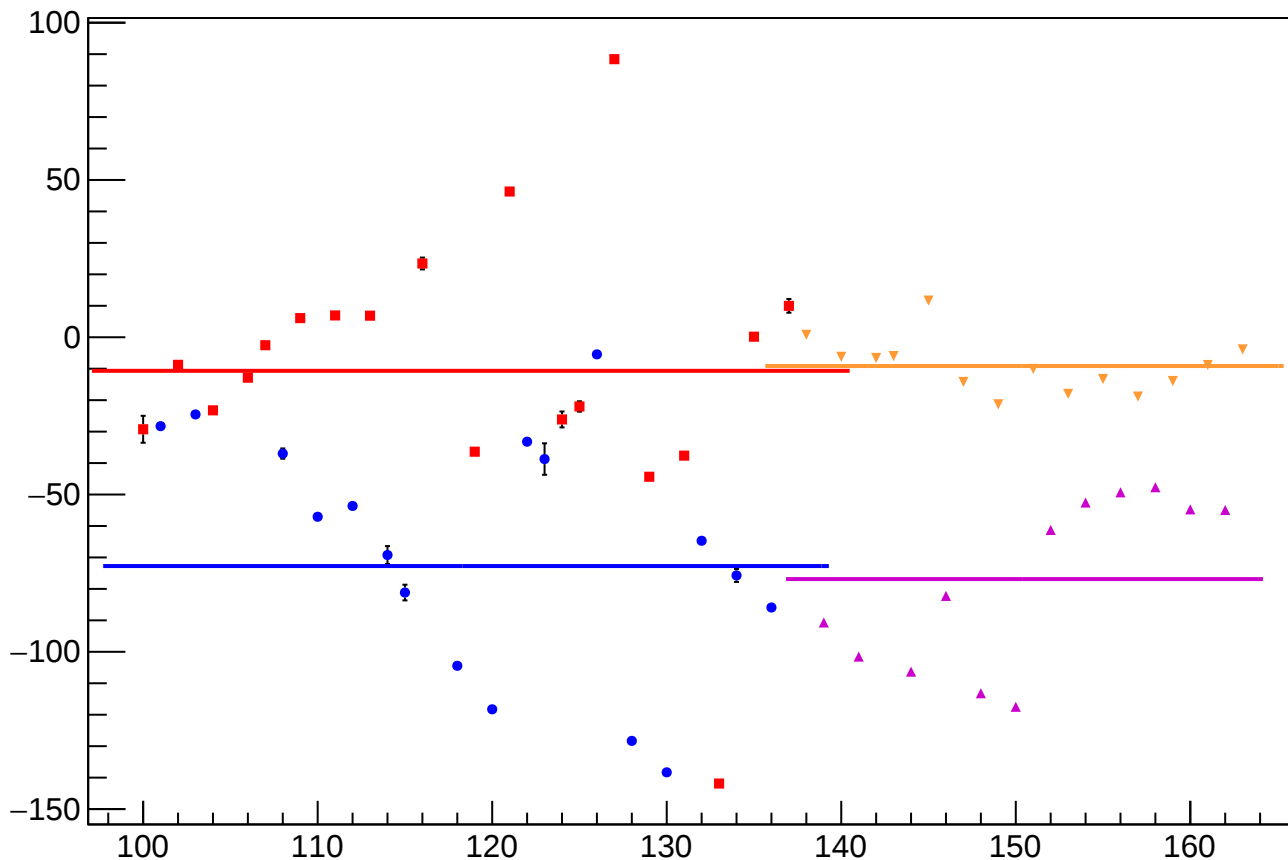
Left In: 1445.818 ± 0.329 $\chi^2/\text{NDF}: 134845.1/11$

+ sign 1387.006 ± 0.238 $\chi^2/\text{NDF}: 305755.4/30$

All: 1385.532 ± 0.169 $\chi^2/\text{NDF}: 596376.7/61$

- sign 1384.033 ± 0.240 $\chi^2/\text{NDF}: 290543.8/30$

diff_bpm1i02X_mean vs Slug



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

Left Out: -9.151 ± 0.291 $\chi^2/\text{NDF}: 826.6/13$

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

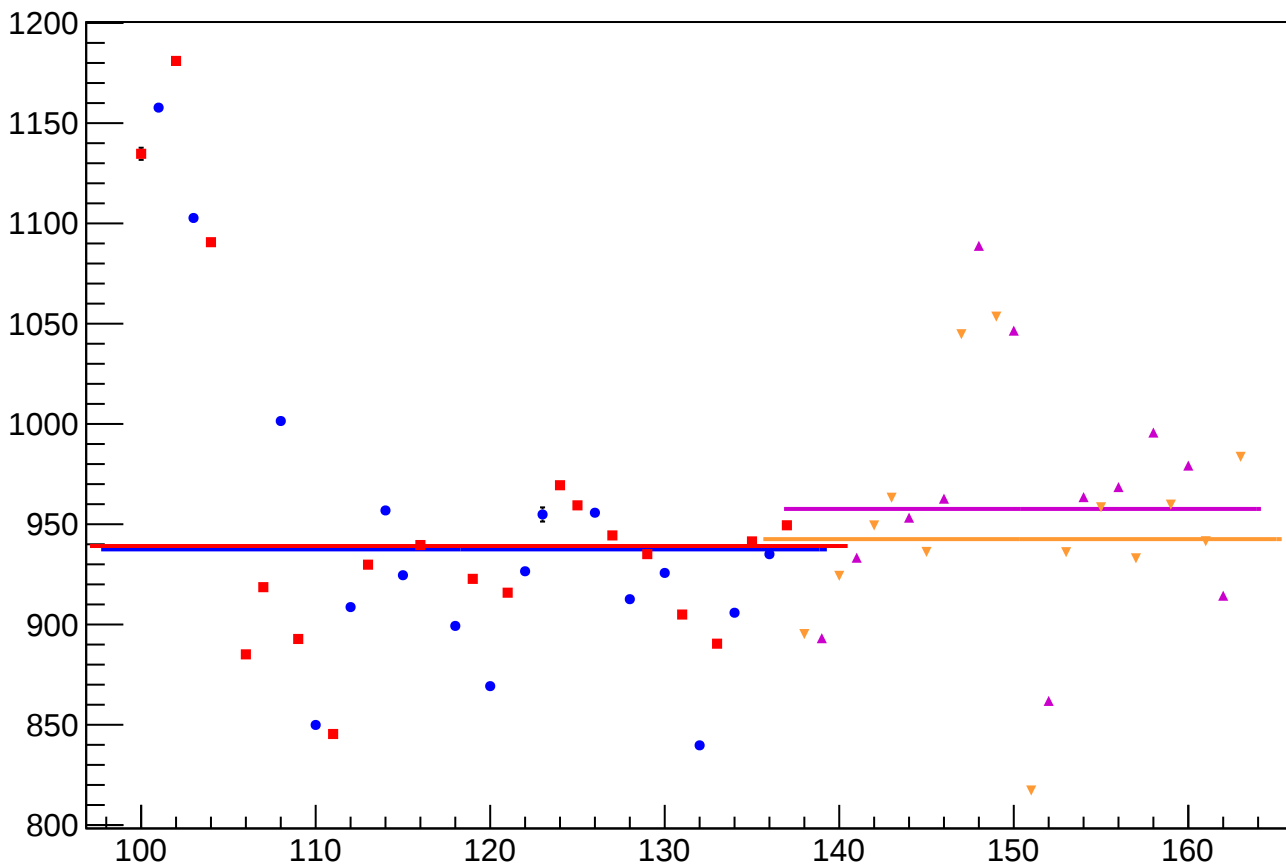
Left In: -76.880 ± 0.308 $\chi^2/\text{NDF}: 6790.7/11$

+ sign -34.109 ± 0.227 $\chi^2/\text{NDF}: 31226.6/30$

All: -41.003 ± 0.162 $\chi^2/\text{NDF}: 78088.7/61$

- sign -48.197 ± 0.232 $\chi^2/\text{NDF}: 44977.4/30$

diff_bpm1i02X_rms vs Slug



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

Left Out: 942.574 $\pm$ 0.206 χ^2 /NDF: 79864.8/13

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

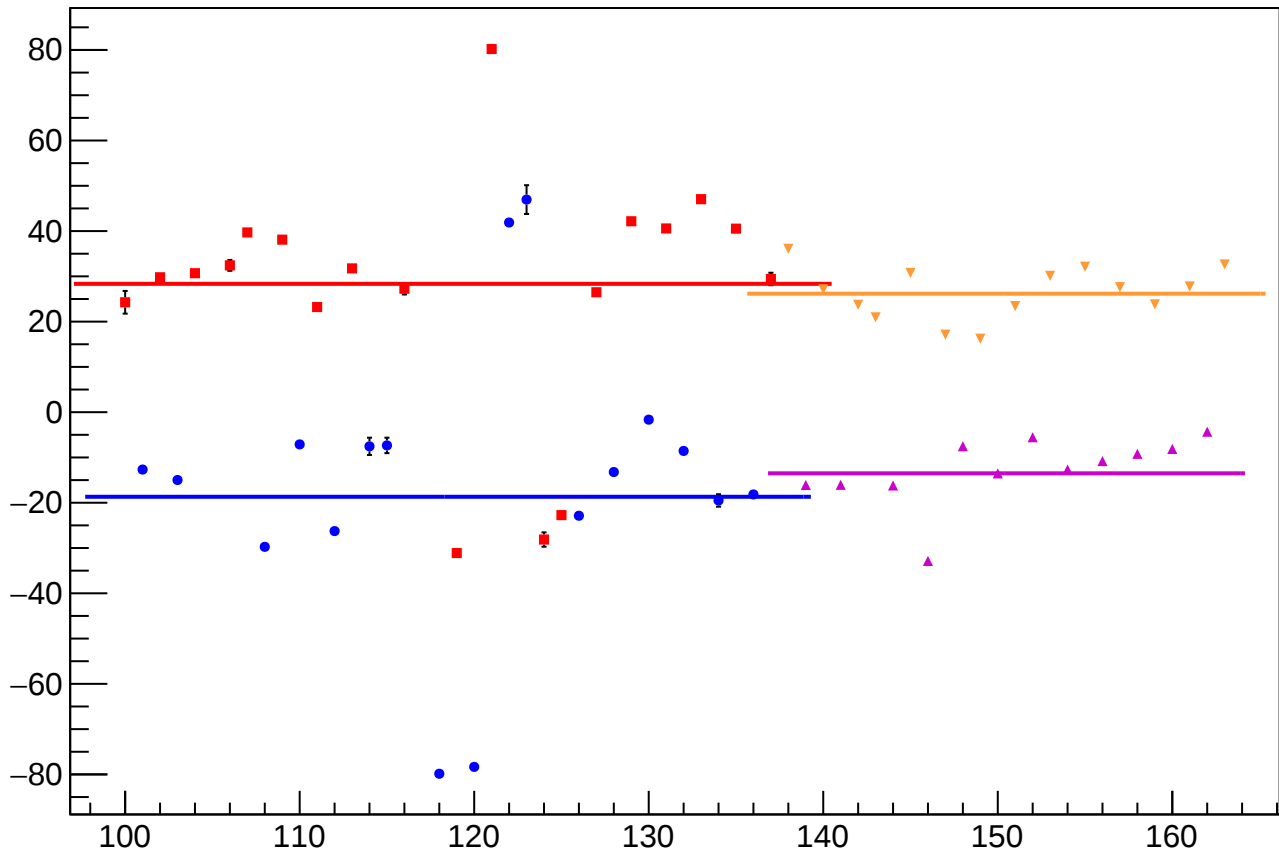
Left In: 957.632 $\pm$ 0.218 χ^2 /NDF: 71491.2/11

+ sign 940.565 $\pm$ 0.161 χ^2 /NDF: 178415.1/30

All: 944.996 $\pm$ 0.115 χ^2 /NDF: 344839.8/61

- sign 949.621 $\pm$ 0.164 χ^2 /NDF: 164867.1/30

diff_bpm1i02Y_mean vs Slug



Right In: -18.683 ± 0.243 $\chi^2/\text{NDF}: 13006.2/16$

Left Out: 26.171 ± 0.223 $\chi^2/\text{NDF}: 692.8/13$

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

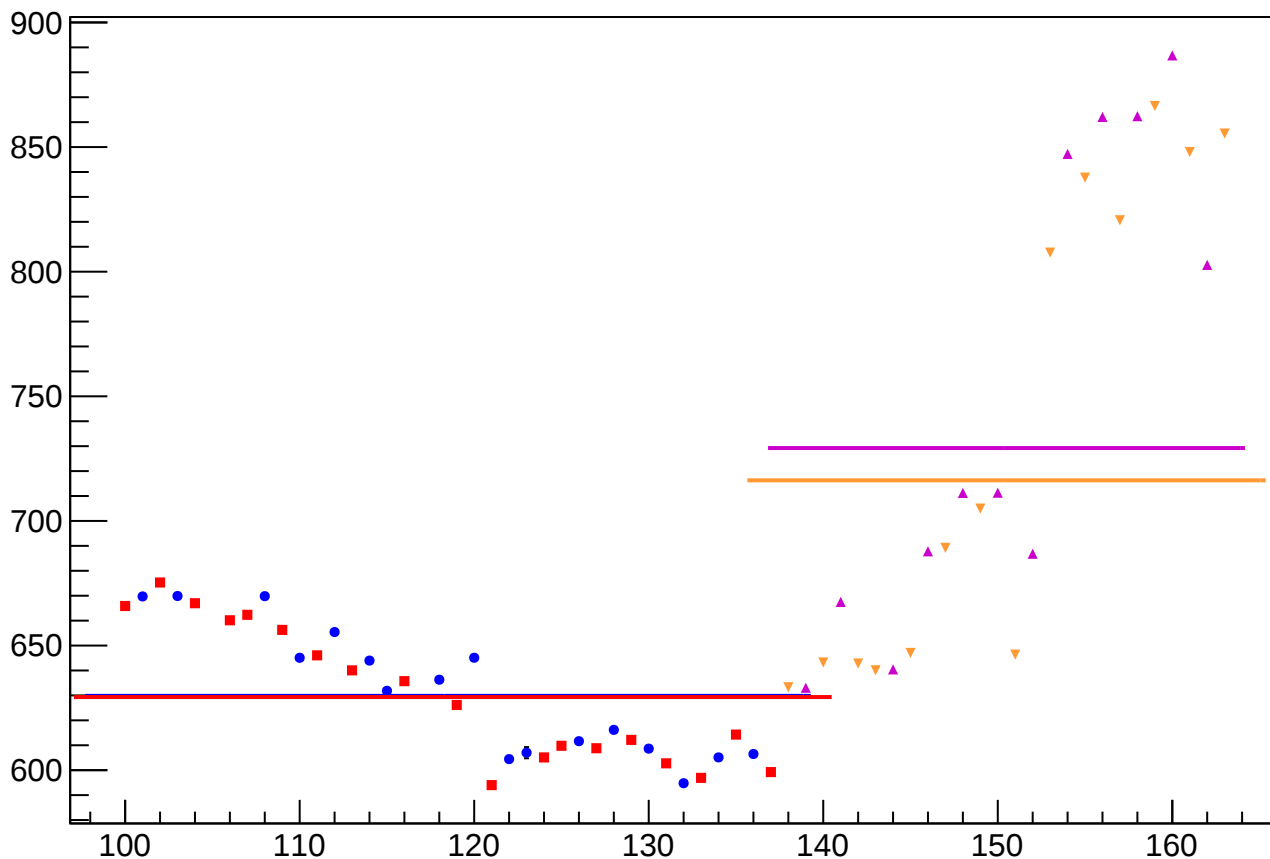
Left In: -13.500 ± 0.236 $\chi^2/\text{NDF}: 1010.7/11$

+ sign 5.656 ± 0.164 $\chi^2/\text{NDF}: 32239.0/30$

All: 6.548 ± 0.117 $\chi^2/\text{NDF}: 61577.9/61$

- sign 7.467 ± 0.167 $\chi^2/\text{NDF}: 29278.9/30$

diff_bpm1i02Y_rms vs Slug



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

Left Out: 716.295 $\pm$ 0.158 χ^2 /NDF: 320735.4/13

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

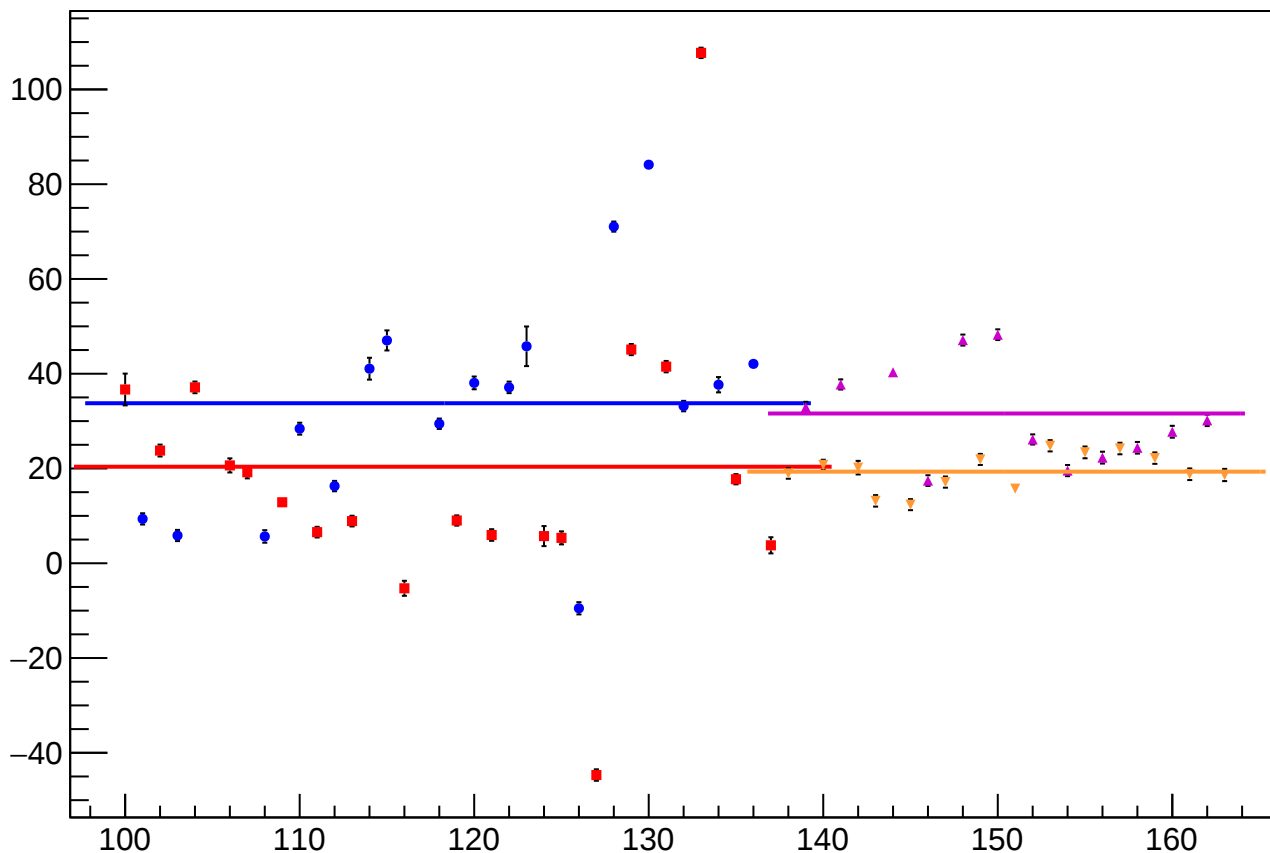
Left In: 729.244 $\pm$ 0.167 χ^2 /NDF: 264717.6/11

+ sign 676.742 $\pm$ 0.116 χ^2 /NDF: 481874.2/30

All: 677.946 $\pm$ 0.083 χ^2 /NDF: 952004.4/61

- sign 679.188 $\pm$ 0.118 χ^2 /NDF: 469911.4/30

diff_bpm1i04X_mean vs Slug



Right In: 33.773 $\pm$ 0.300 χ^2 /NDF: 6487.9/16

Left Out: 19.332 $\pm$ 0.318 χ^2 /NDF:137.5/13

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

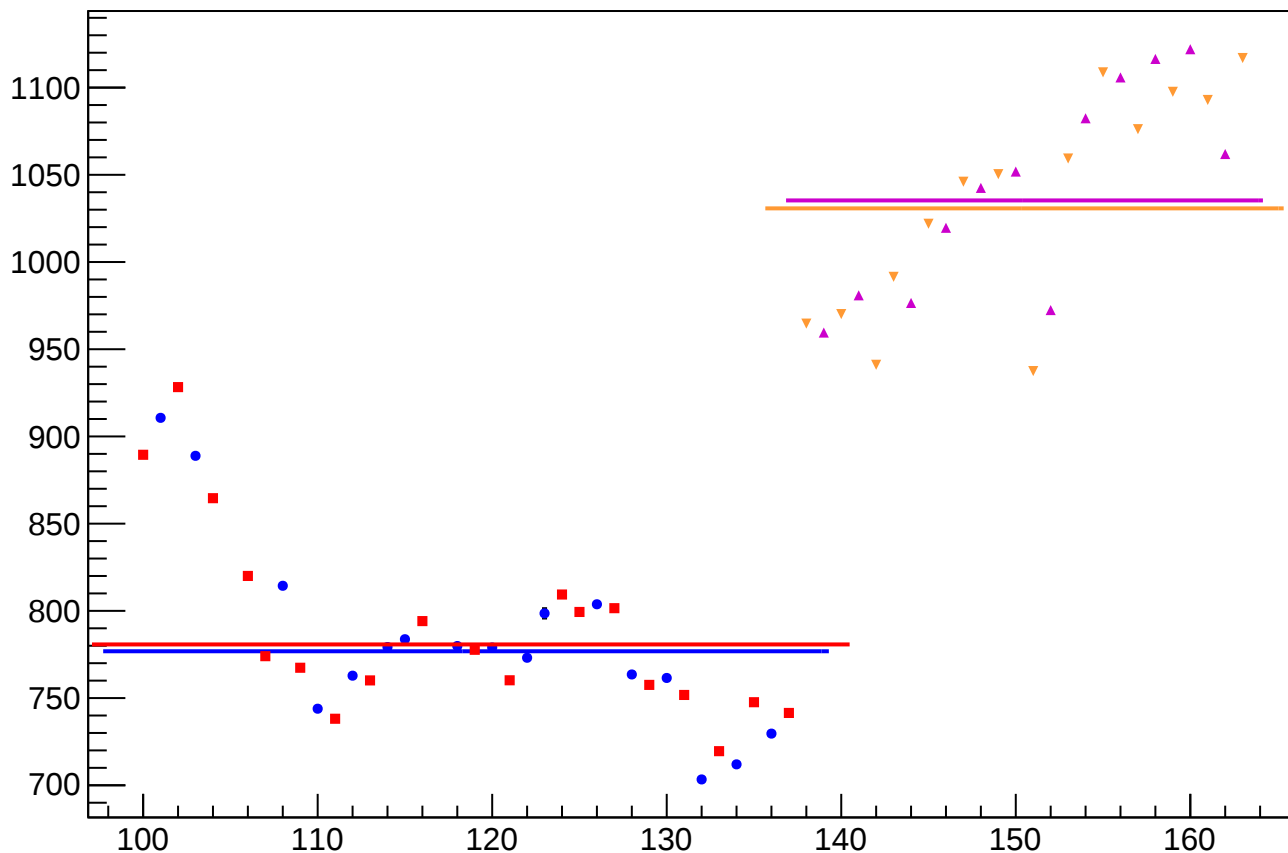
Left In: 31.606 $\pm$ 0.333 χ^2 /NDF:884.7/11

+ sign 26.983 $\pm$ 0.218 χ^2 /NDF: 7715.6/30

All: 26.131 $\pm$ 0.155 χ^2 /NDF: 20561.0/61

- sign 25.268 $\pm$ 0.220 χ^2 /NDF: 12814.7/30

diff_bpm1i04X_rms vs Slug



Right In: 776.838 $\pm$ 0.212 χ^2 /NDF: 67487.1/16

Left Out: 1030.755 $\pm$ 0.225 χ^2 /NDF: 71863.8/13

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

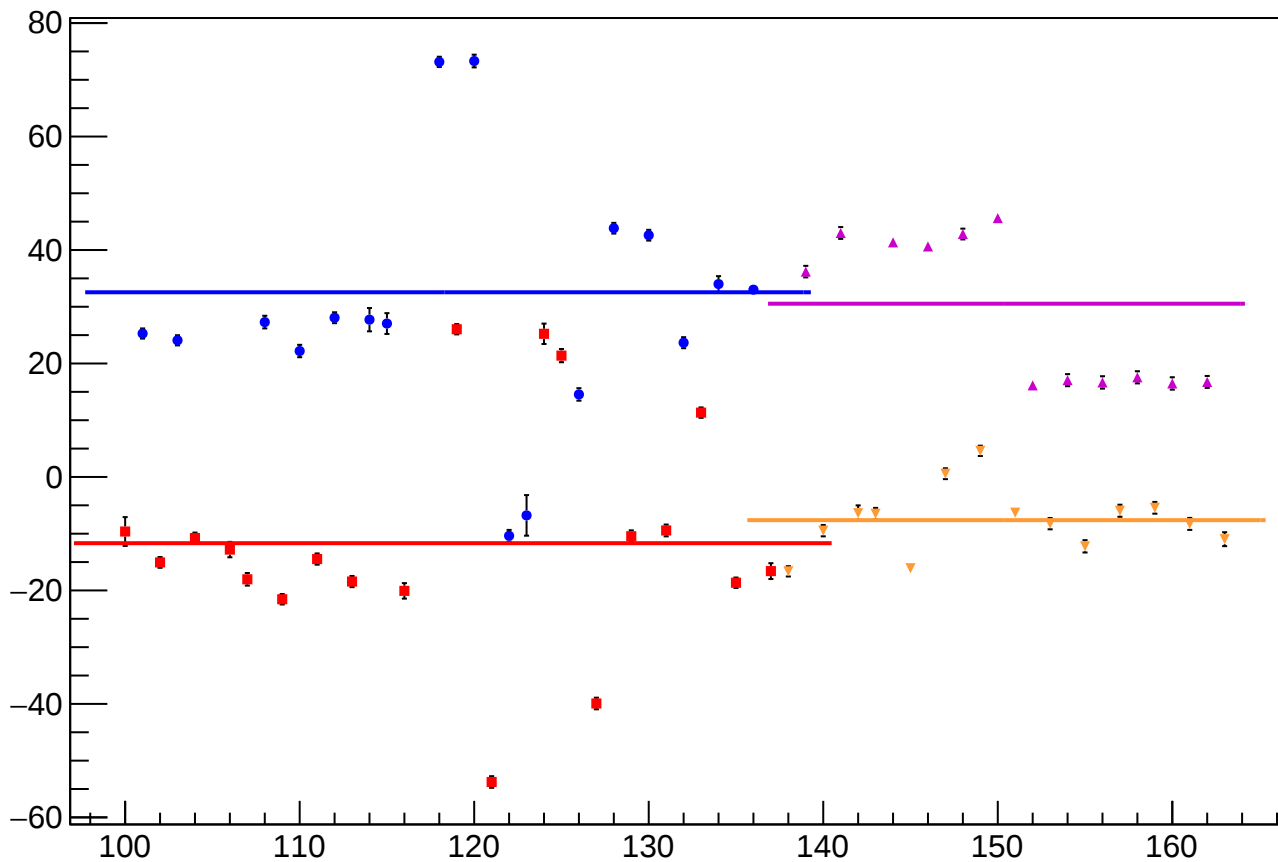
Left In: 1035.316 $\pm$ 0.235 χ^2 /NDF: 56373.6/11

+ sign 896.227 $\pm$ 0.154 χ^2 /NDF: 813490.0/30

All: 893.965 $\pm$ 0.110 χ^2 /NDF: 1587663.0/61

- sign 891.672 $\pm$ 0.155 χ^2 /NDF: 773740.4/30

diff_bpm1i04Y_mean vs Slug



Right In: 32.552 ± 0.253 χ^2/NDF : 6073.0/16

Left Out: -7.613 ± 0.268 χ^2/NDF : 484.0/13

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

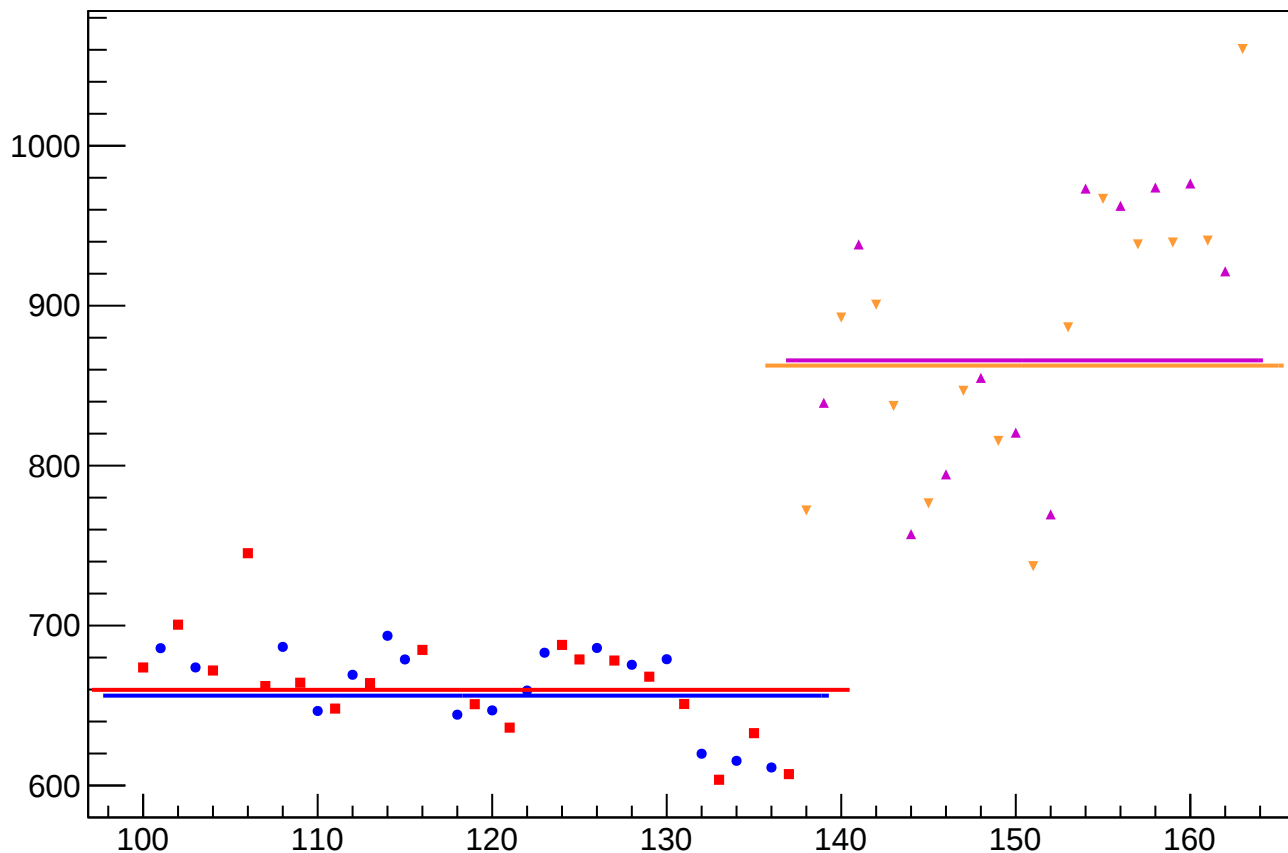
Left In: 30.536 ± 0.280 χ^2/NDF : 2025.0/11

+ sign 13.614 ± 0.184 χ^2/NDF : 18453.8/30

All: 10.224 ± 0.131 χ^2/NDF : 40290.0/61

- sign 6.779 ± 0.185 χ^2/NDF : 21150.6/30

diff_bpm1i04Y_rms vs Slug



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

Left Out: 862.550 $\pm$ 0.189 χ^2 /NDF:199286.9/13

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

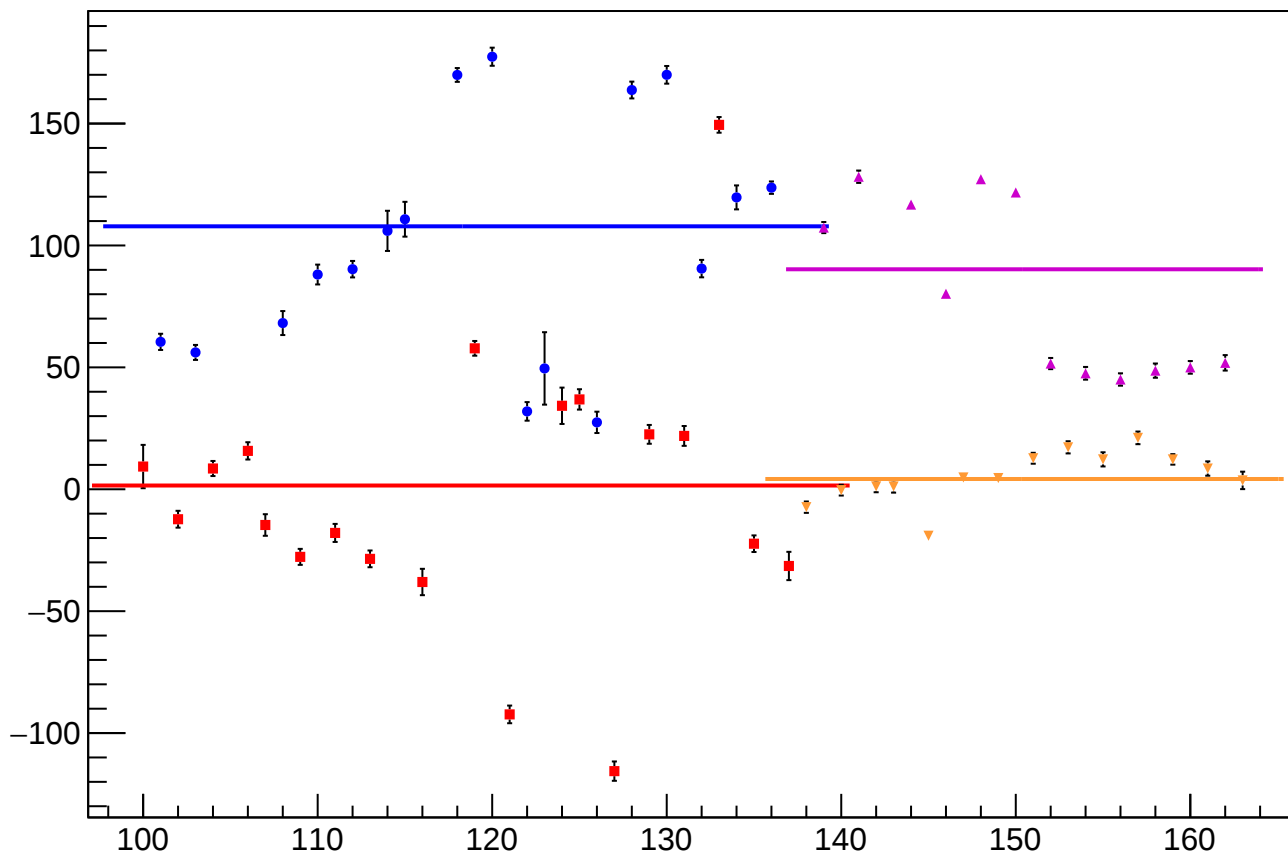
Left In: 865.812 $\pm$ 0.198 χ^2 /NDF:172021.0/11

+ sign 753.486 $\pm$ 0.130 χ^2 /NDF: 850974.8/30

All: 751.693 $\pm$ 0.092 χ^2 /NDF: 1659914.5/61

- sign 749.870 $\pm$ 0.131 χ^2 /NDF: 808555.9/30

diff_bpm1i06X_mean vs Slug



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

Left Out: 4.216 ± 0.615 χ^2/NDF : 271.5/13

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

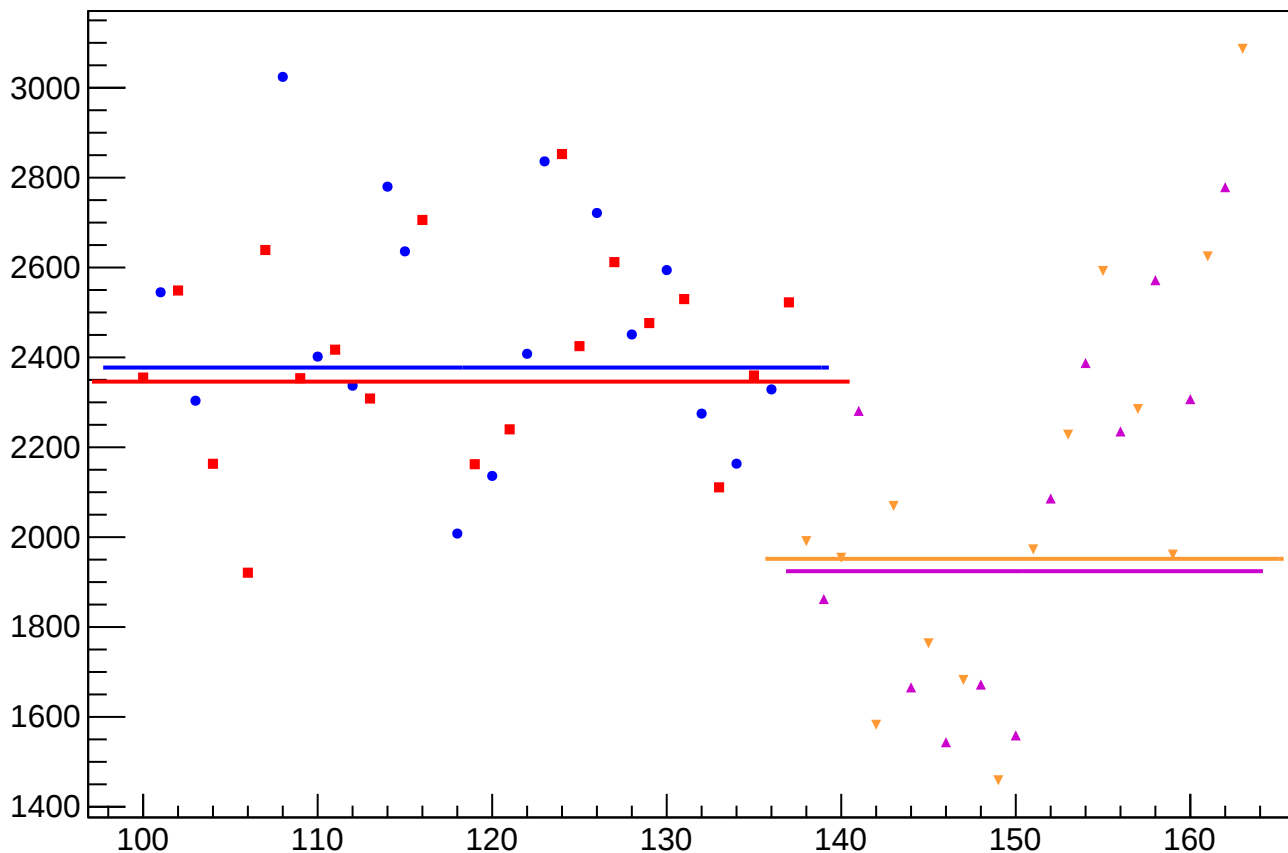
Left In: 90.229 ± 0.635 χ^2/NDF : 2717.2/11

+ sign 36.152 ± 0.512 χ^2/NDF : 11830.5/30

All: 48.005 ± 0.363 χ^2/NDF : 26802.3/61

- sign 60.037 ± 0.515 χ^2/NDF : 13889.9/30

diff_bpm1i06X_rms vs Slug



Right In: 2377.423+/-0.652 χ^2/NDF : 119648.6/16

Left Out: 1951.785+/-0.435 χ^2/NDF : 750966.8/13

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

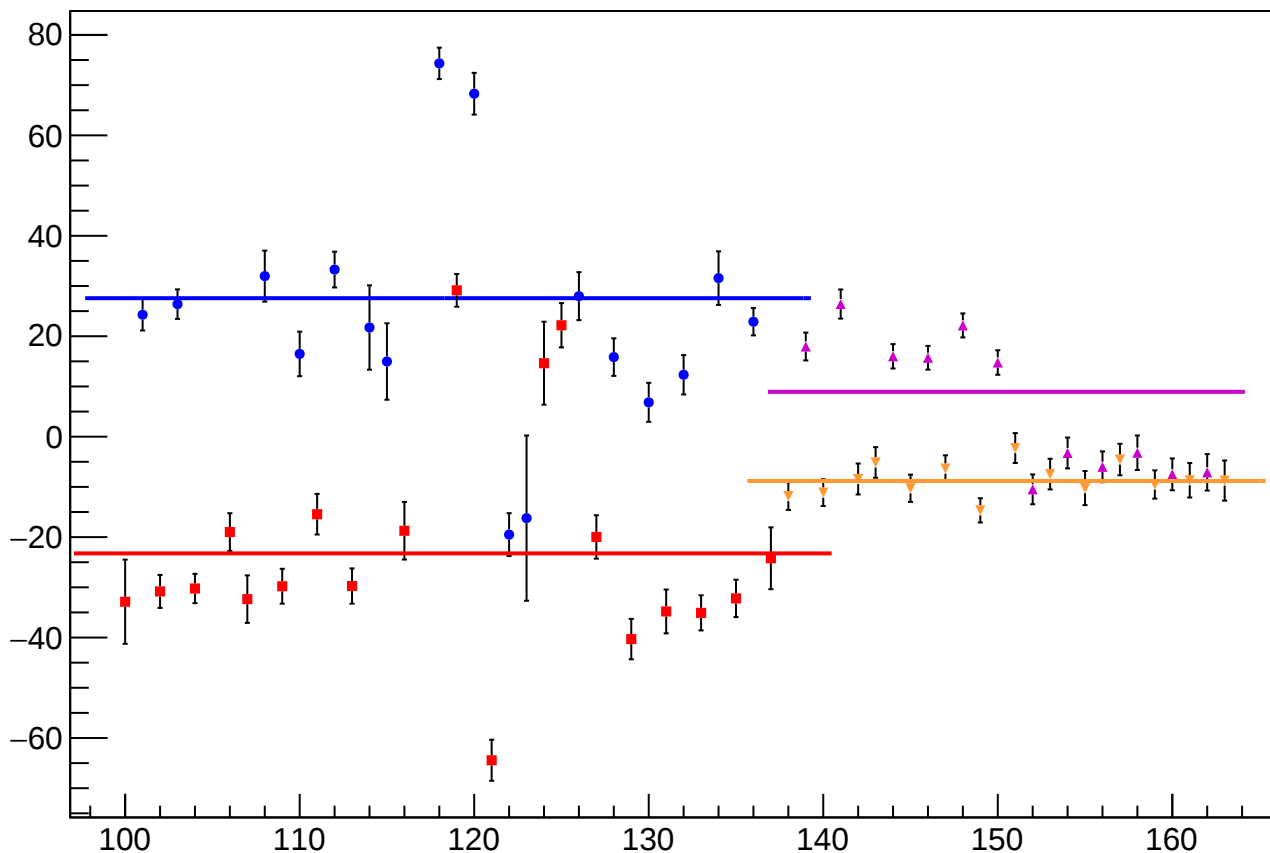
Left In: 1924.266+/-0.449 χ^2/NDF : 700542.3/11

+ sign 2082.946+/-0.362 χ^2/NDF : 1165802.3/30

All: 2075.470+/-0.257 χ^2/NDF : 2276337.7/63

- sign 2067.881+/-0.364 χ^2/NDF : 1109674.6/30

diff_bpm1i06Y_mean vs Slug



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

Left Out: -8.821+/-0.786 χ^2 /NDF:17.6/13

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

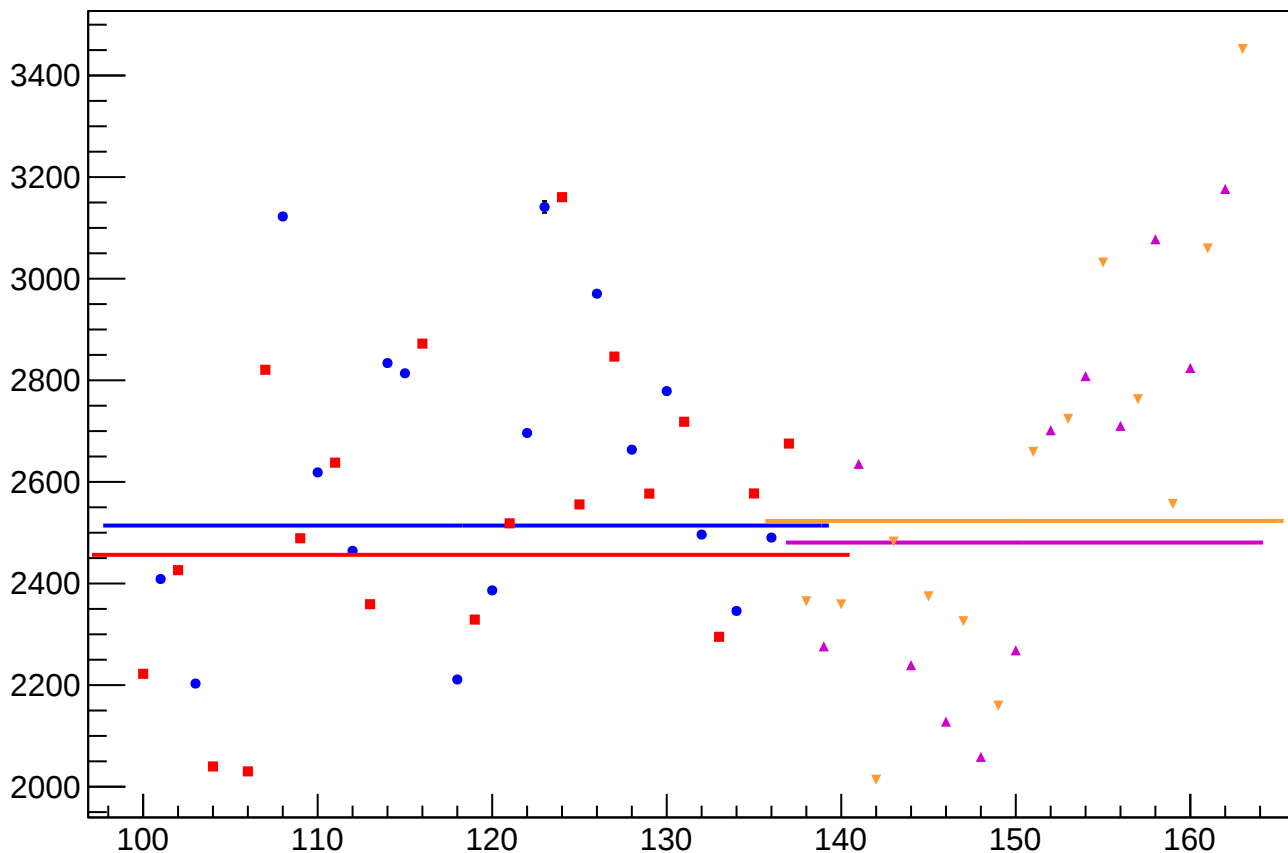
Left In: 8.933+/-0.809 χ^2 /NDF:241.0/11

+ sign 5.510+/-0.612 χ^2 /NDF: 1382.4/30

All: 0.247+/-0.432 χ^2 /NDF: 3012.7/61

- sign -4.982+/-0.610 χ^2 /NDF: 1482.6/30

diff_bpm1i06Y_rms vs Slug



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

Left Out: 2523.195 $\pm$ 0.555 χ^2 /NDF: 358380.1/13

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

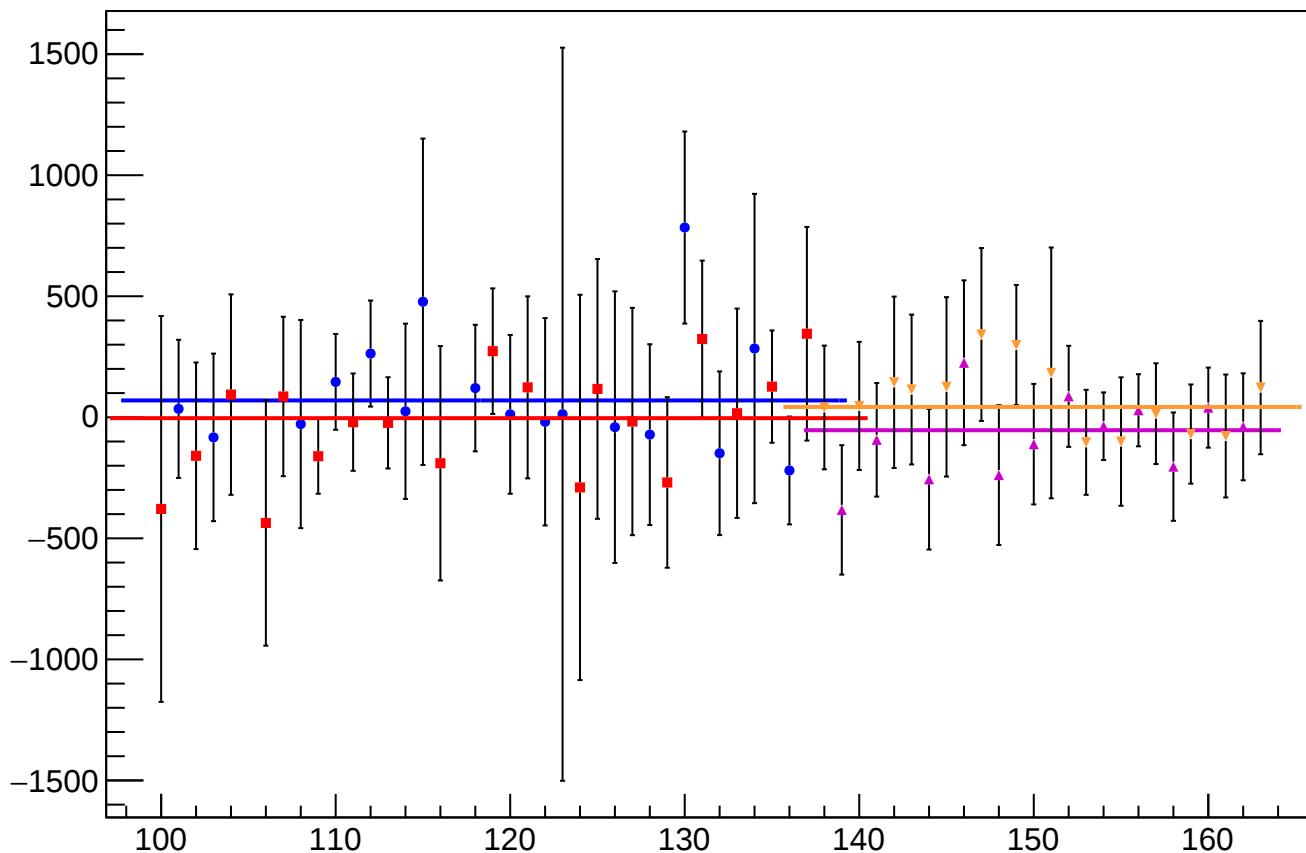
Left In: 2480.656 $\pm$ 0.572 χ^2 /NDF: 360906.9/11

+ sign 2519.609 $\pm$ 0.433 χ^2 /NDF: 479447.2/30

All: 2494.818 $\pm$ 0.305 χ^2 /NDF: 997409.4/61

- sign 2470.192 $\pm$ 0.431 χ^2 /NDF: 511413.0/30

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: 42.610 ± 71.757 χ^2/NDF : 3.4/13

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

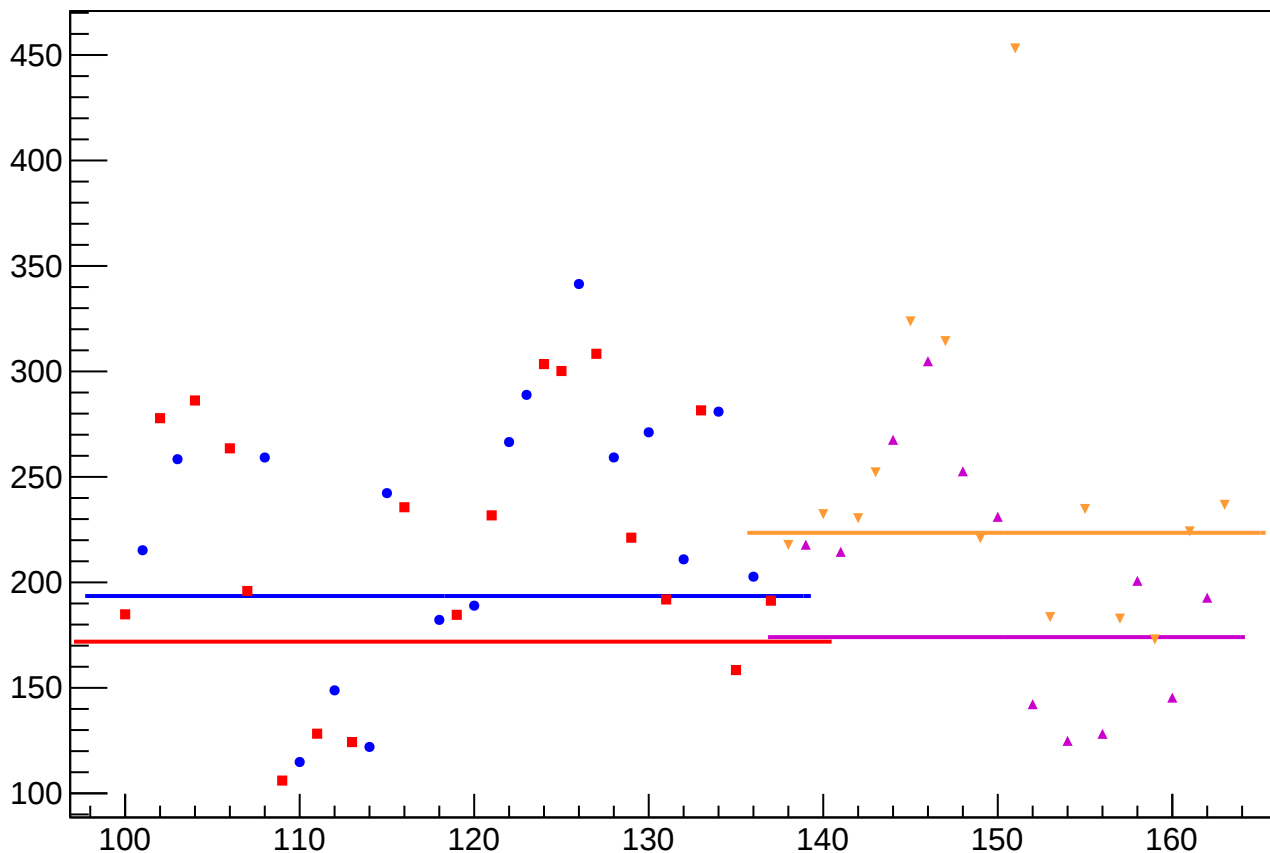
Left In: -53.427 ± 60.069 χ^2/NDF : 4.7/11

+ sign 54.801 ± 53.123 χ^2/NDF : 10.8/30

All: 4.649 ± 34.592 χ^2/NDF : 23.7/61

- sign -32.273 ± 45.580 χ^2/NDF : 11.4/30

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: 223.494 $\pm$ 0.051 χ^2 /NDF: 964559.9/13

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

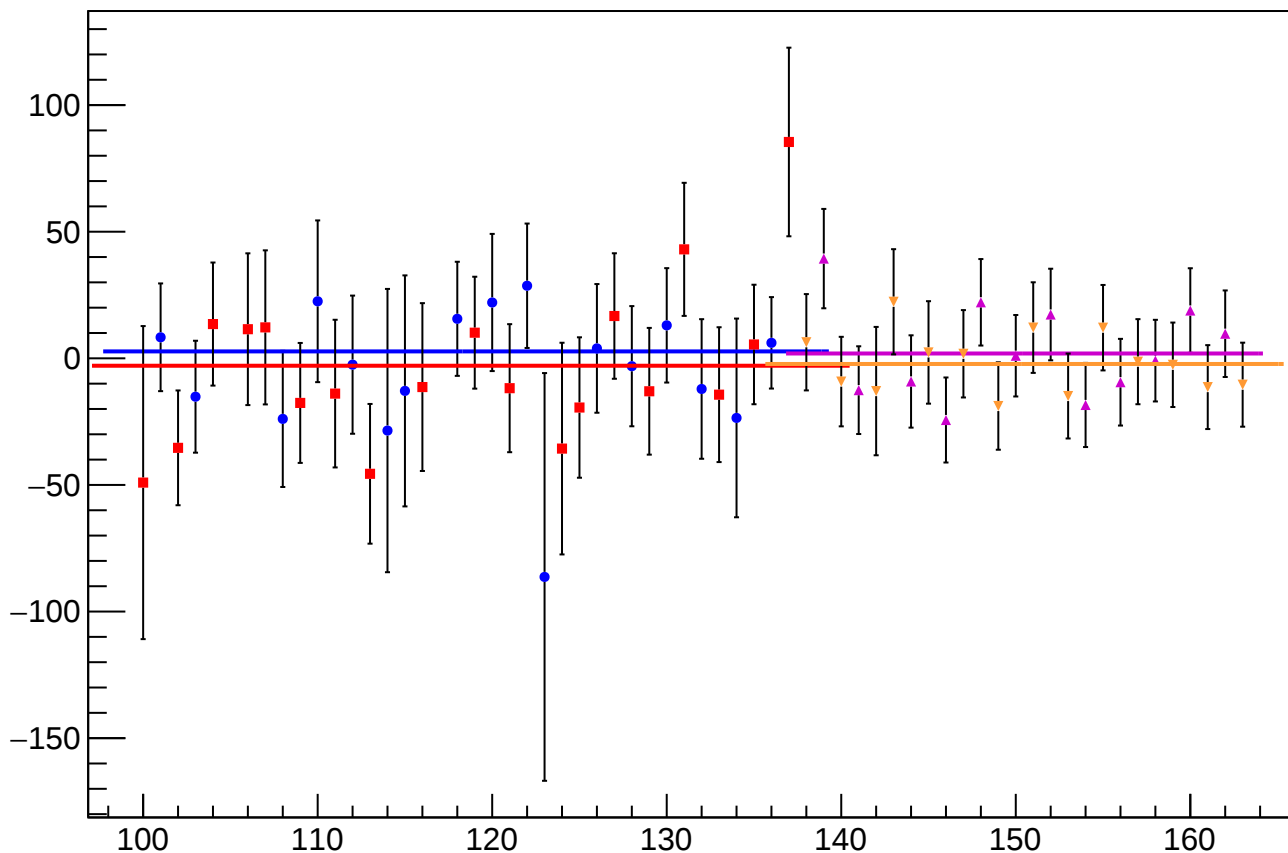
Left In: 174.054 $\pm$ 0.042 χ^2 /NDF: 1455891.6/11

+ sign 209.954 $\pm$ 0.038 χ^2 /NDF: 2132557.6/30

All: 188.750 $\pm$ 0.024 χ^2 /NDF: 5719619.8/61

- sign 173.141 $\pm$ 0.032 χ^2 /NDF: 3033866.0/30

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



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

Left Out: -2.233 ± 4.789 χ^2/NDF : 5.5/13

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

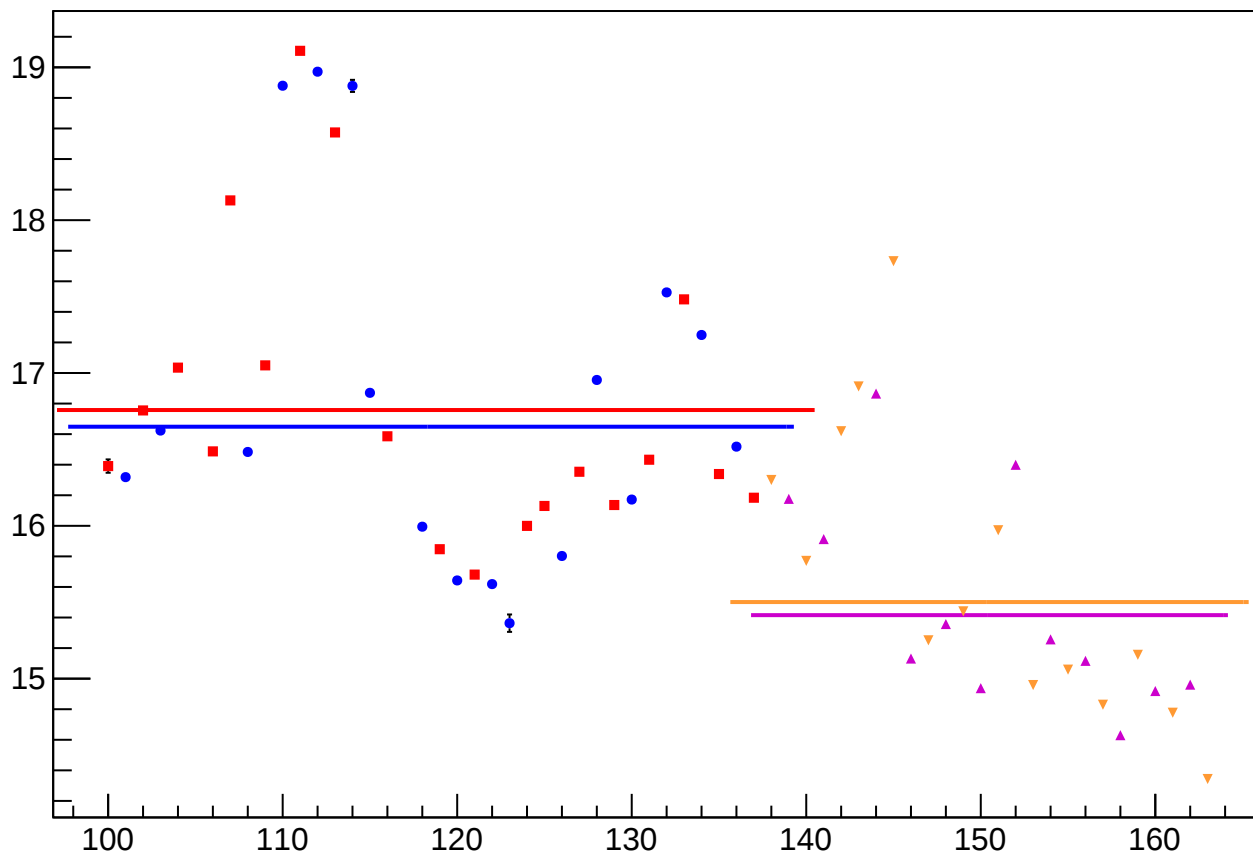
Left In: 1.909 ± 4.955 χ^2/NDF : 12.5/11

+ sign -0.459 ± 3.839 χ^2/NDF : 12.6/30

All: -0.206 ± 2.732 χ^2/NDF : 43.2/61

- sign 0.053 ± 3.890 χ^2/NDF : 30.6/30

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: 15.501 $\pm$ 0.003 χ^2 /NDF: 64329.5/13

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

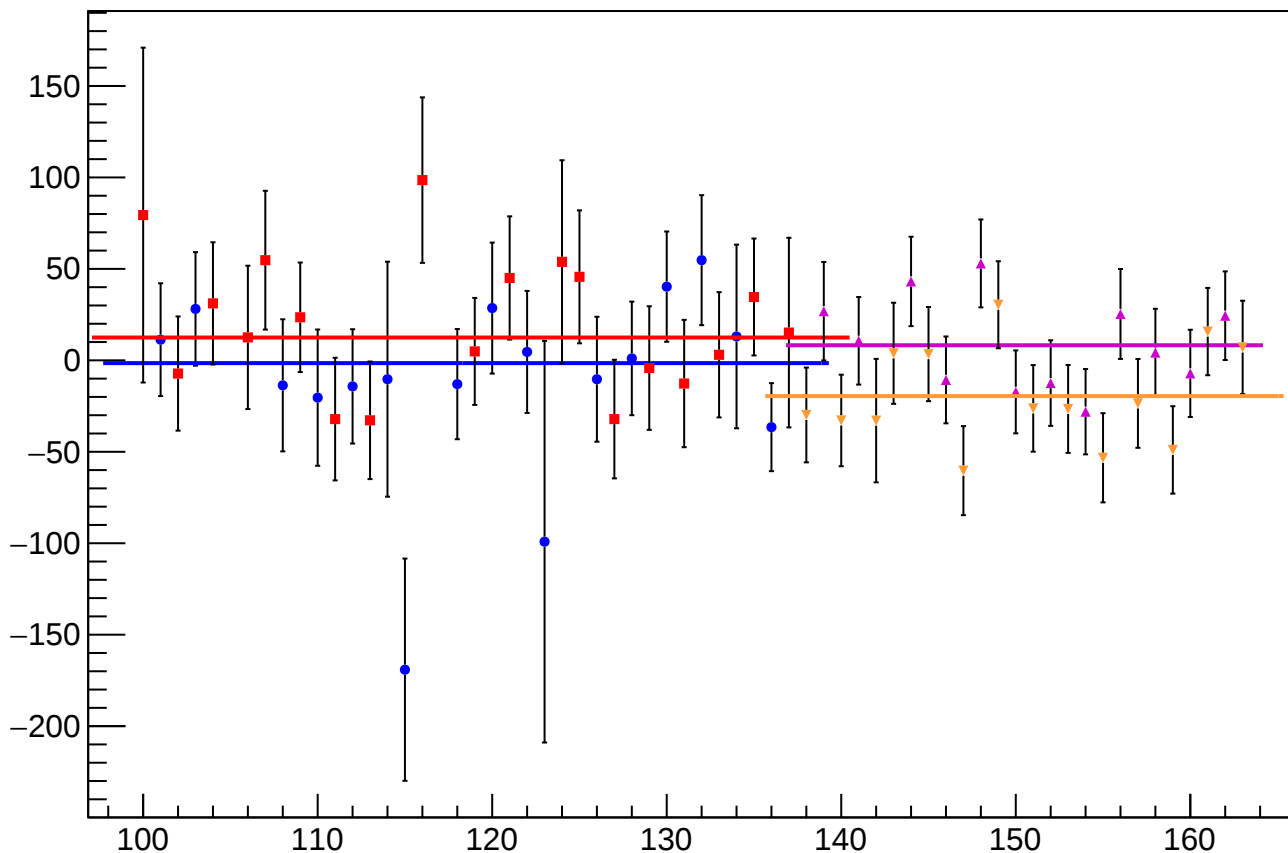
Left In: 15.416 $\pm$ 0.004 χ^2 /NDF: 34315.2/11

+ sign 15.911 $\pm$ 0.003 χ^2 /NDF: 147900.6/30

All: 15.921 $\pm$ 0.002 χ^2 /NDF: 278507.1/61

- sign 15.931 $\pm$ 0.003 χ^2 /NDF: 130580.6/30

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: -19.547 ± 6.716 χ^2/NDF : 16.2/13

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

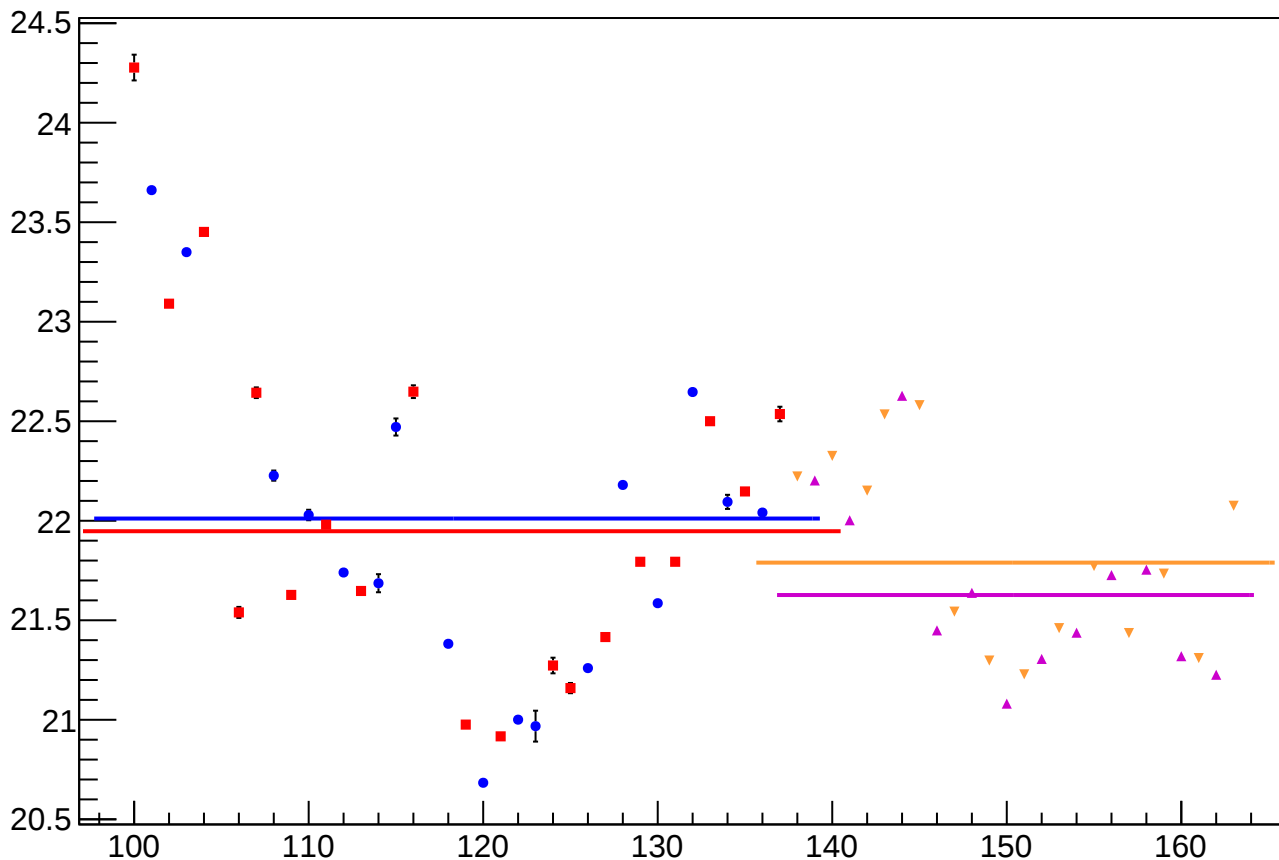
Left In: 8.245 ± 6.938 χ^2/NDF : 12.5/11

+ sign -12.605 ± 5.266 χ^2/NDF : 36.6/30

All: -1.370 ± 3.735 χ^2/NDF : 74.0/61

- sign 10.007 ± 5.299 χ^2/NDF : 28.2/30

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.011 $\pm$ 0.006 χ^2 /NDF: 17546.9/16

Left Out: 21.790 $\pm$ 0.005 χ^2 /NDF: 9101.3/13

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

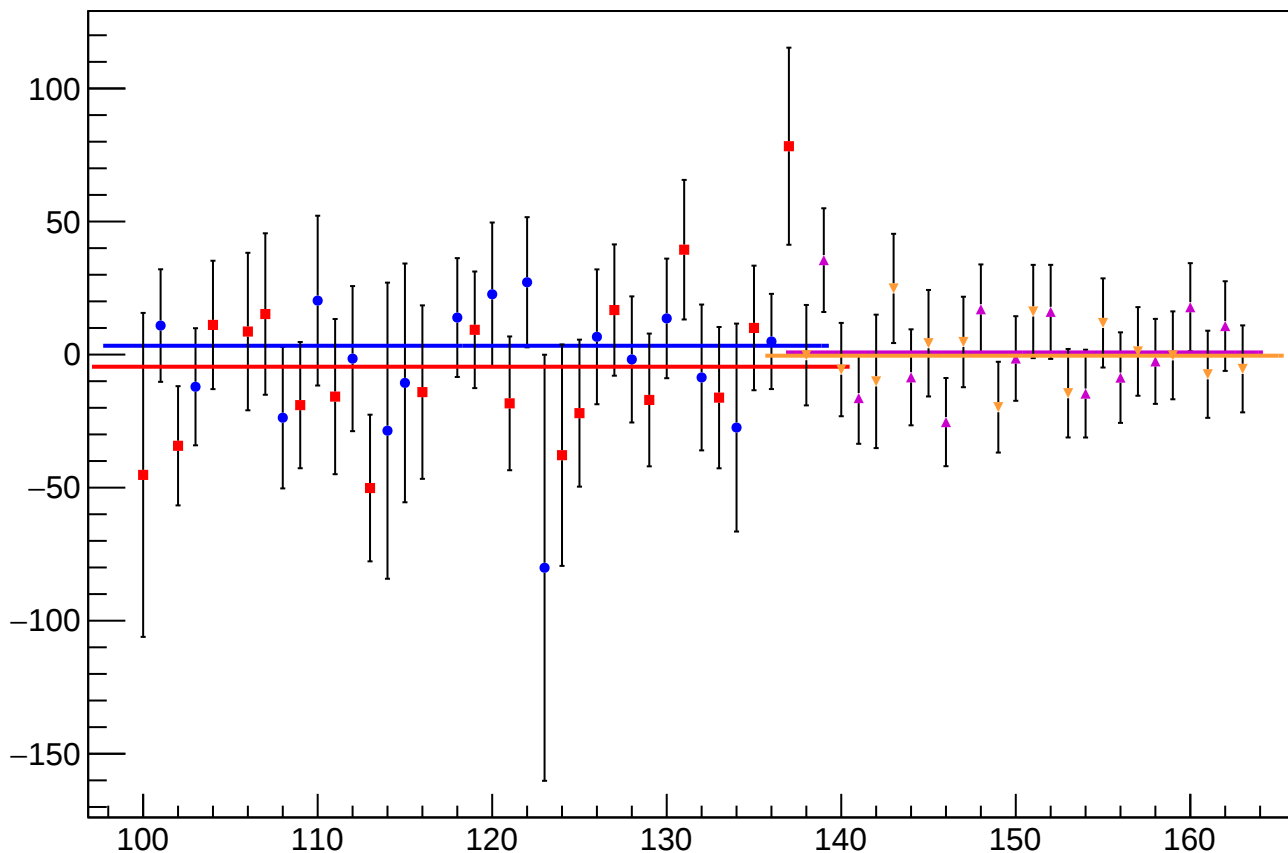
Left In: 21.627 $\pm$ 0.005 χ^2 /NDF: 7513.0/11

+ sign 21.875 $\pm$ 0.004 χ^2 /NDF: 27486.1/30

All: 21.818 $\pm$ 0.003 χ^2 /NDF: 53841.0/61

- sign 21.760 $\pm$ 0.004 χ^2 /NDF: 25884.6/30

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.317 ± 6.388 $\chi^2/\text{NDF}: 6.3/16$

Left Out: -0.417 ± 4.735 $\chi^2/\text{NDF}: 5.6/13$

Right Out: -4.561 ± 6.244 $\chi^2/\text{NDF}: 17.7/18$

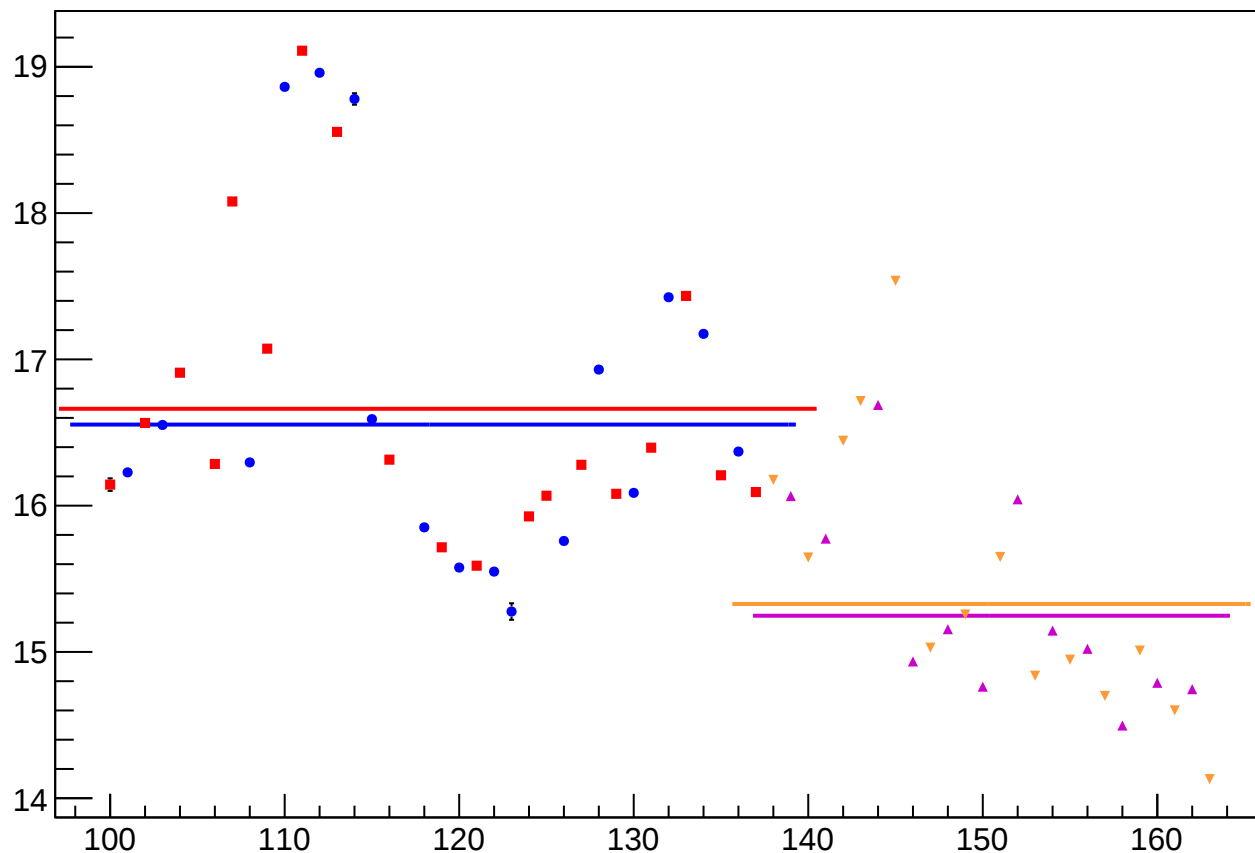
Left In: 0.813 ± 4.900 $\chi^2/\text{NDF}: 11.3/11$

+ sign 0.907 ± 3.804 $\chi^2/\text{NDF}: 12.1/30$

All: -0.150 ± 2.708 $\chi^2/\text{NDF}: 41.7/61$

- sign -1.236 ± 3.855 $\chi^2/\text{NDF}: 29.4/30$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.554 ± 0.005 $\chi^2/\text{NDF}: 44475.2/16$

Left Out: 15.328 ± 0.003 $\chi^2/\text{NDF}: 64547.2/13$

Right Out: 16.662 ± 0.004 $\chi^2/\text{NDF}: 43063.6/18$

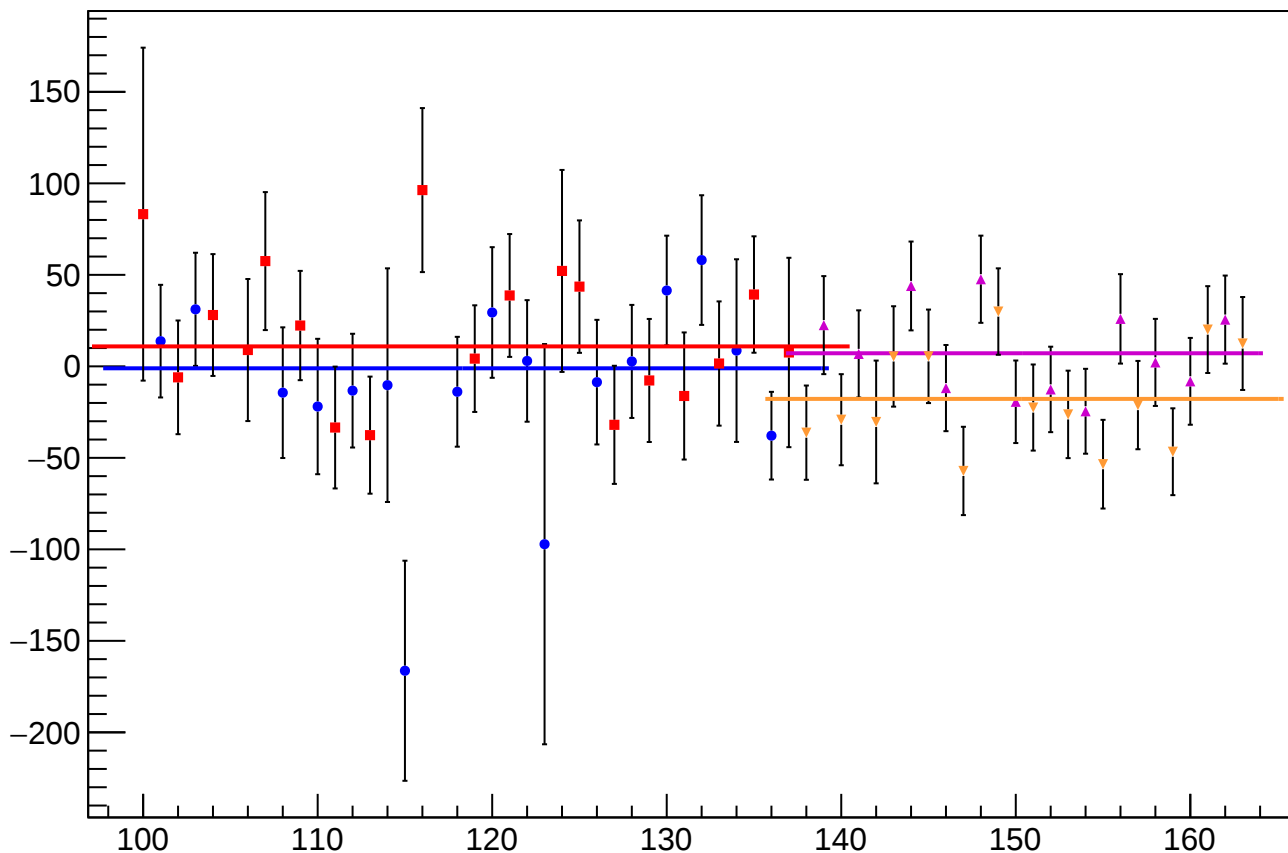
Left In: 15.248 ± 0.003 $\chi^2/\text{NDF}: 33022.4/11$

+ sign 15.763 ± 0.003 $\chi^2/\text{NDF}: 156599.2/30$

All: 15.775 ± 0.002 $\chi^2/\text{NDF}: 296268.2/61$

- sign 15.787 ± 0.003 $\chi^2/\text{NDF}: 139629.6/30$

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: -17.785 ± 6.672 χ^2/NDF : 17.0/13

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

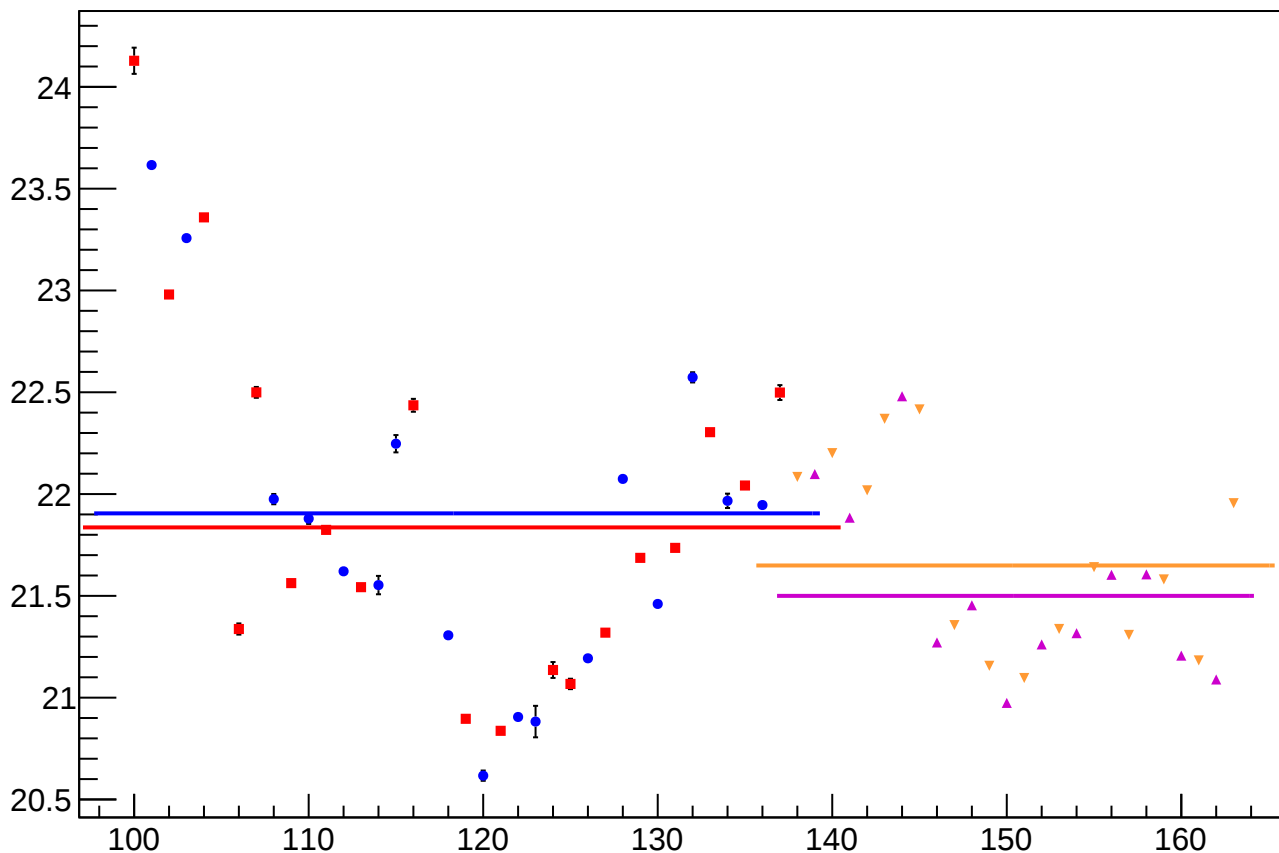
Left In: 7.152 ± 6.897 χ^2/NDF : 11.8/11

+ sign -11.360 ± 5.235 χ^2/NDF : 37.8/30

All: -1.390 ± 3.714 χ^2/NDF : 73.3/61

- sign 8.712 ± 5.270 χ^2/NDF : 28.1/30

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: 21.649 $\pm$ 0.005 χ^2 /NDF: 9062.7/13

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

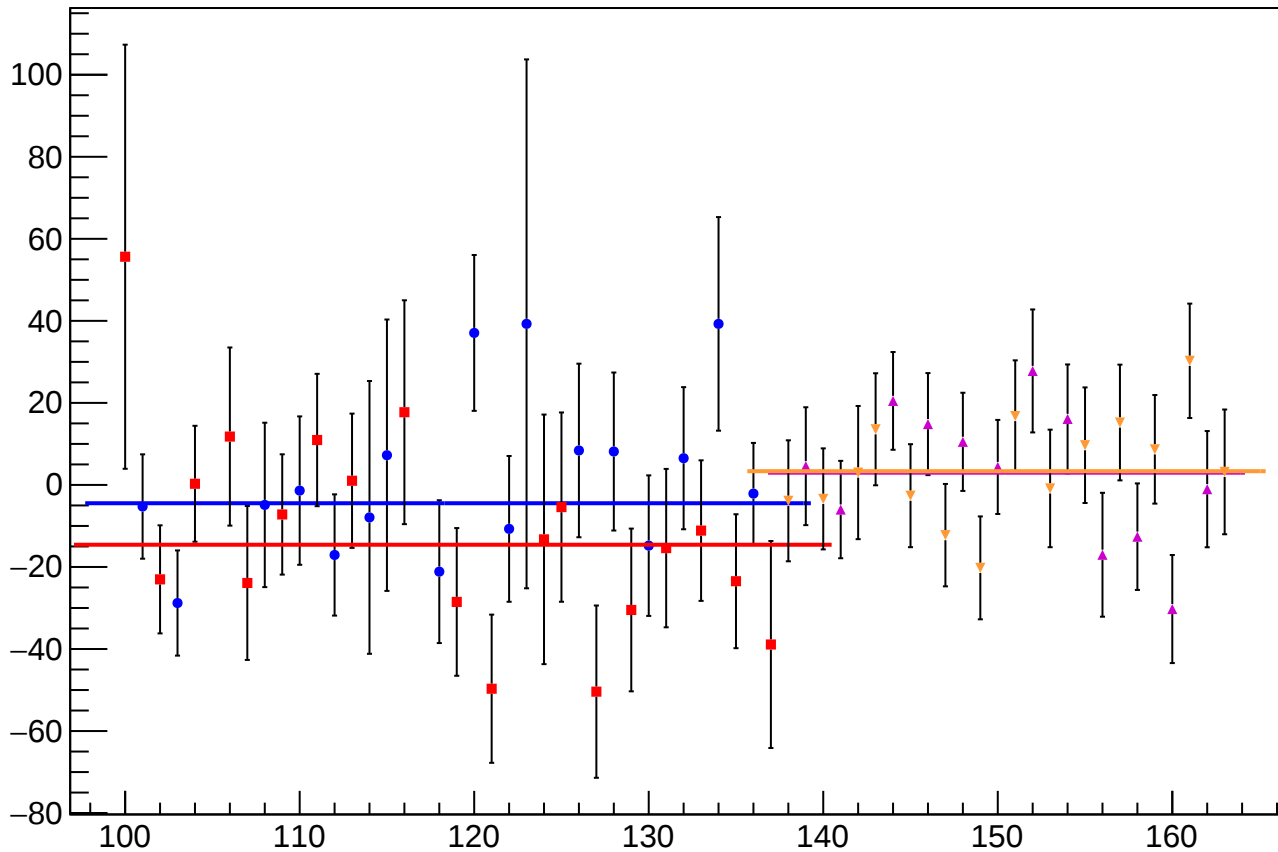
Left In: 21.500 $\pm$ 0.005 χ^2 /NDF: 7360.9/11

+ sign 21.748 $\pm$ 0.004 χ^2 /NDF: 27988.1/30

All: 21.694 $\pm$ 0.003 χ^2 /NDF: 53999.0/61

- sign 21.640 $\pm$ 0.004 χ^2 /NDF: 25590.4/30

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.461 ± 4.329 χ^2/NDF : 15.2/16

Left Out: 3.352 ± 3.652 χ^2/NDF : 12.3/13

Right Out: -14.579 ± 4.264 χ^2/NDF : 19.5/18

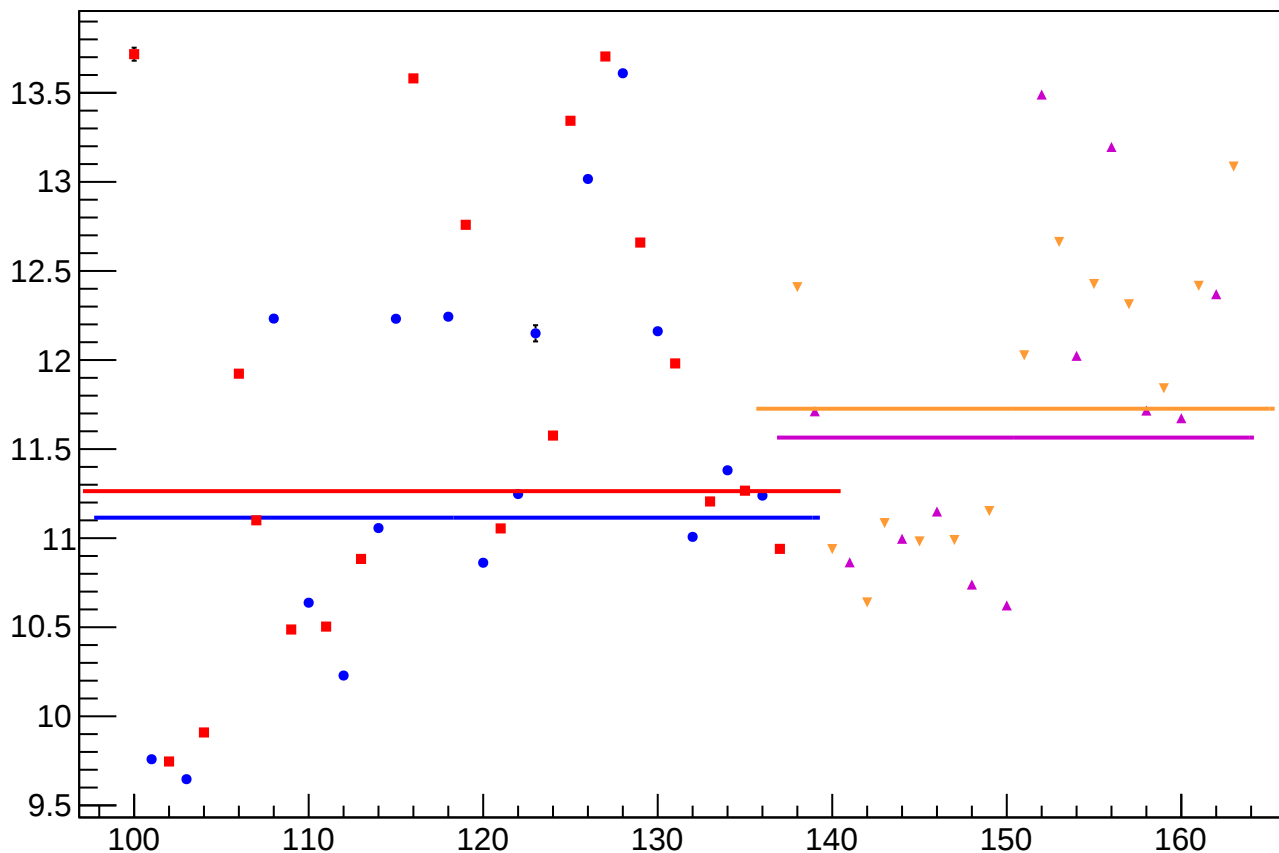
Left In: 2.985 ± 3.747 χ^2/NDF : 17.4/11

+ sign 0.104 ± 2.791 χ^2/NDF : 29.4/30

All: -2.262 ± 1.982 χ^2/NDF : 77.3/61

- sign -4.669 ± 2.815 χ^2/NDF : 46.5/30

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.115 ± 0.003 χ^2/NDF : 133059.3/16

Left Out: 11.727 ± 0.003 χ^2/NDF : 83008.3/13

Right Out: 11.264 ± 0.003 χ^2/NDF : 147483.5/18

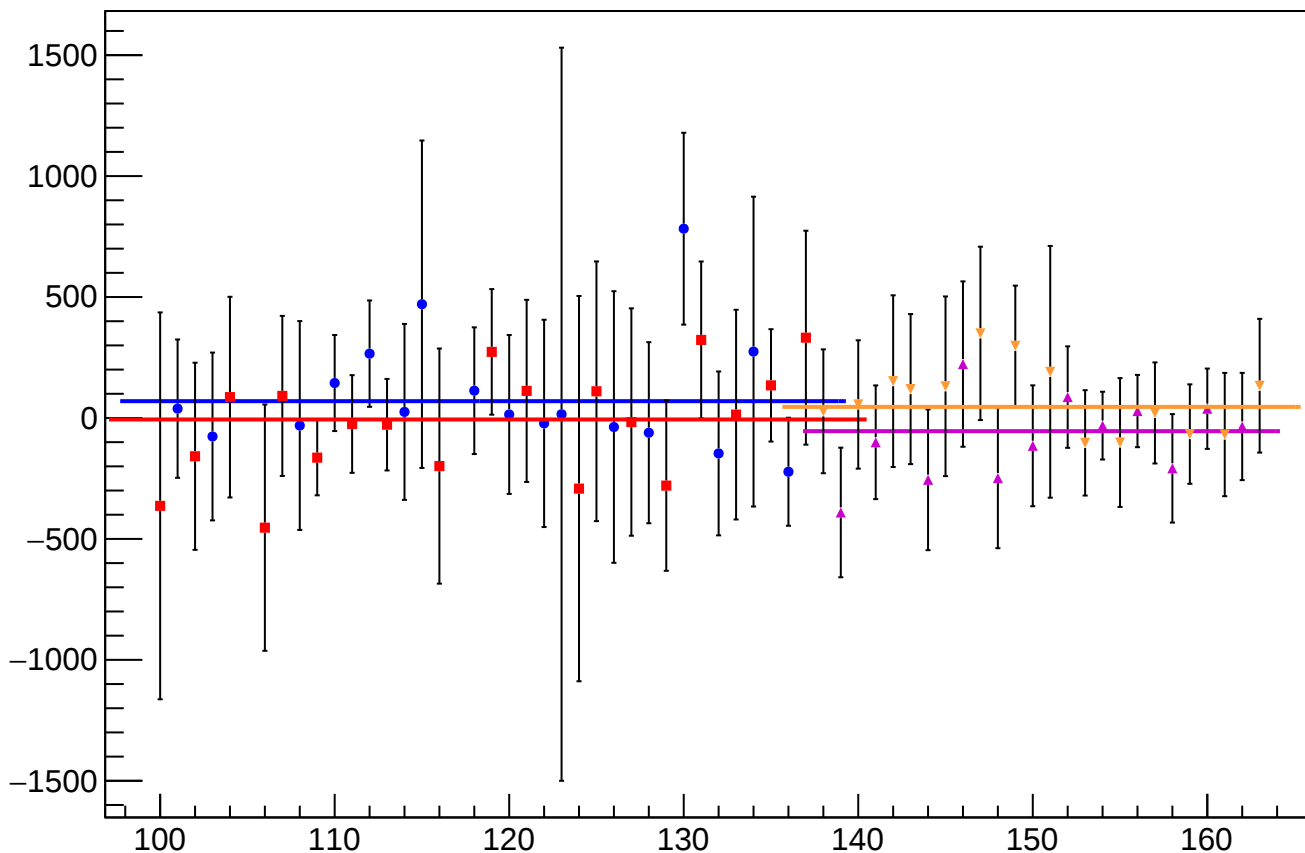
Left In: 11.565 ± 0.003 χ^2/NDF : 102549.5/11

+ sign 11.472 ± 0.002 χ^2/NDF : 239398.8/30

All: 11.453 ± 0.001 χ^2/NDF : 495233.5/61

- sign 11.434 ± 0.002 χ^2/NDF : 255643.0/30

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: 45.841 ± 72.002 χ^2/NDF : 3.4/13

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

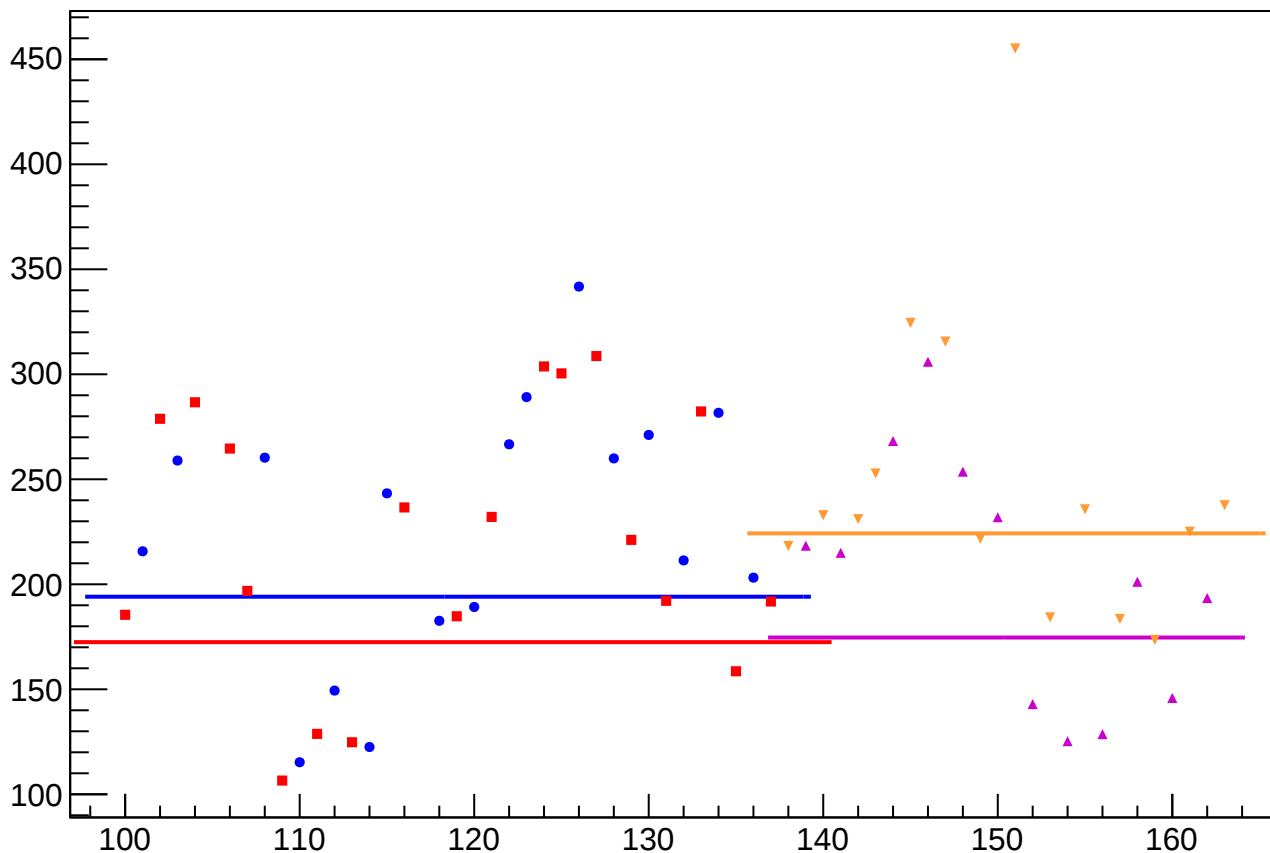
Left In: -54.504 ± 60.271 χ^2/NDF : 4.8/11

+ sign 56.529 ± 53.286 χ^2/NDF : 10.7/30

All: 4.391 ± 34.700 χ^2/NDF : 24.0/61

- sign -33.999 ± 45.724 χ^2/NDF : 11.6/30

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: 224.259 $\pm$ 0.051 χ^2 /NDF:963901.9/13

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

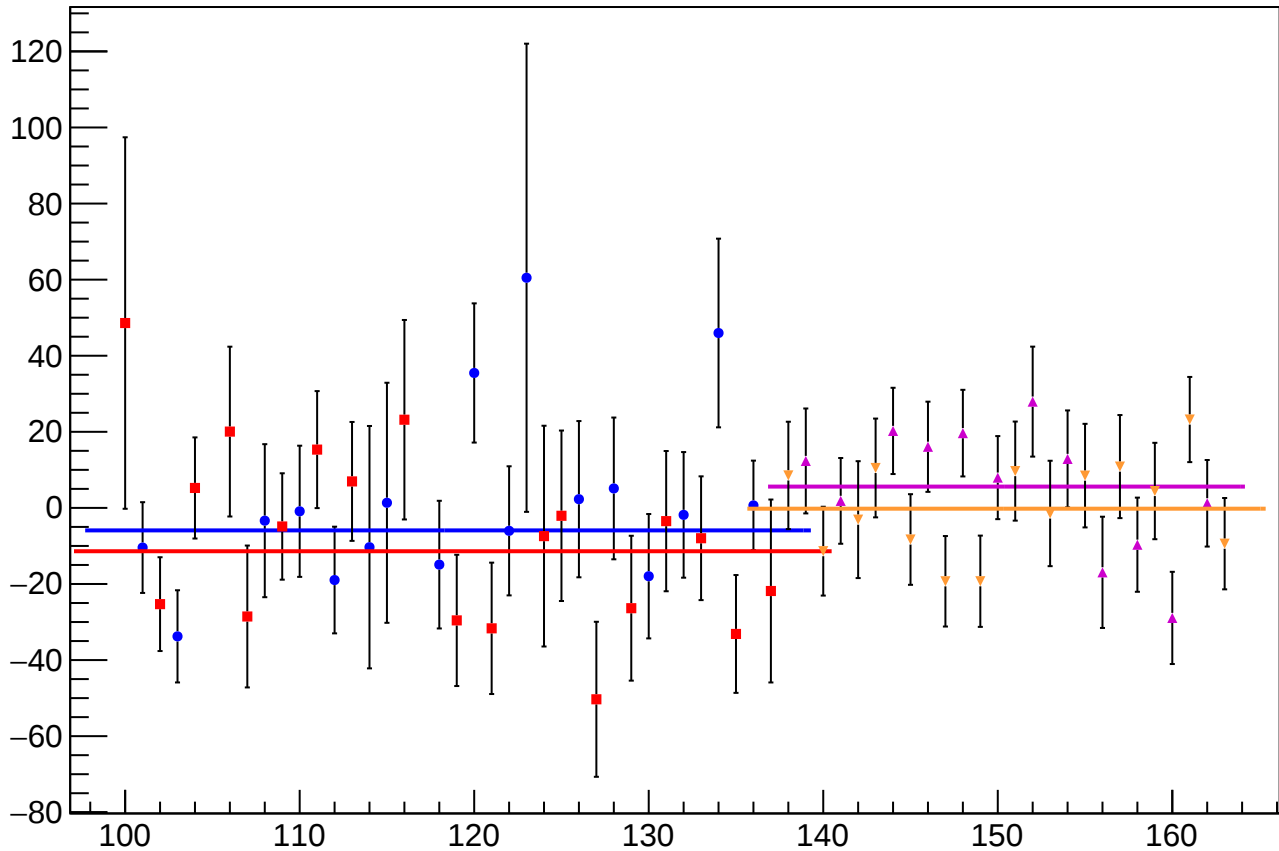
Left In: 174.648 $\pm$ 0.043 χ^2 /NDF:1453658.2/11

+ sign 210.609 $\pm$ 0.038 χ^2 /NDF: 2128199.5/30

All: 189.361 $\pm$ 0.025 χ^2 /NDF: 5704622.8/61

- sign 173.716 $\pm$ 0.032 χ^2 /NDF: 3024248.6/30

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: -0.209 ± 3.396 χ^2/NDF : 14.3/13

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

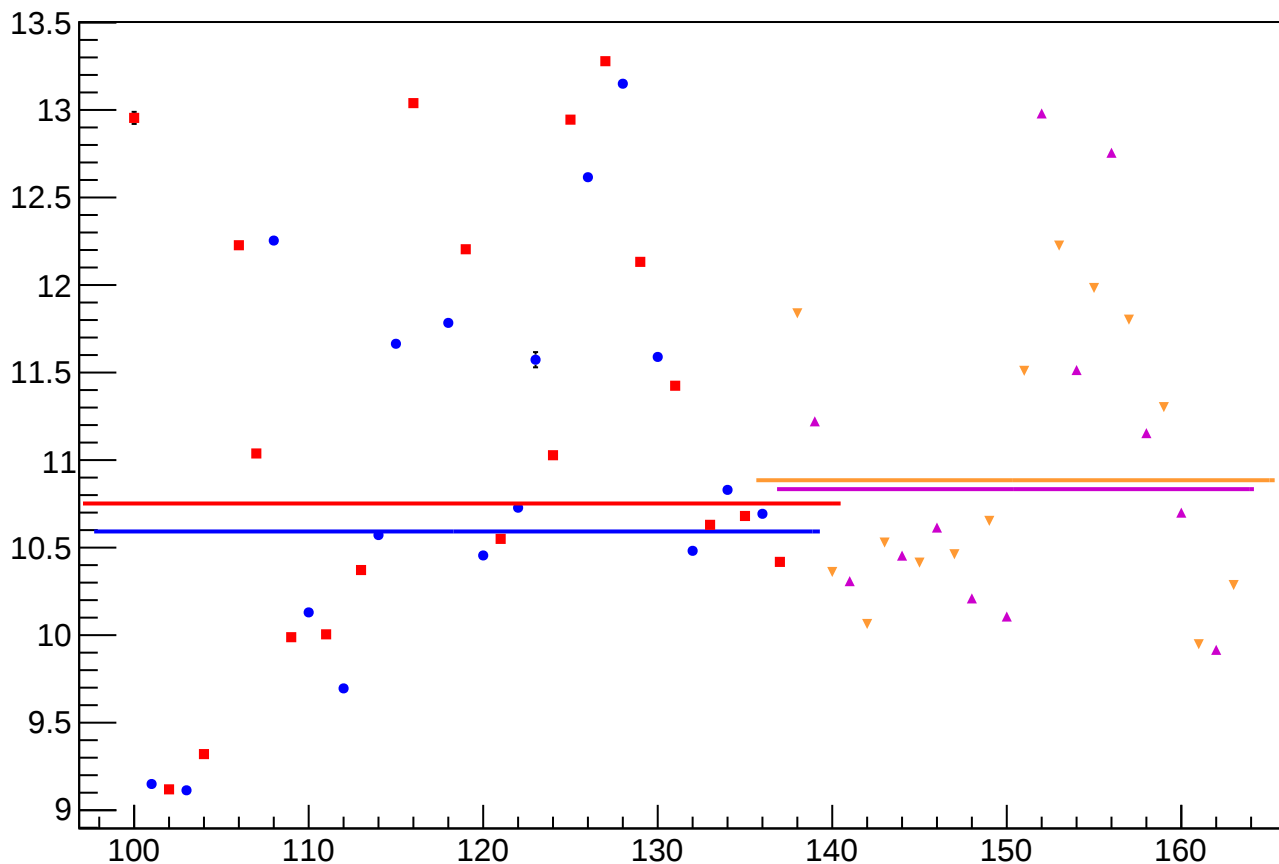
Left In: 5.602 ± 3.518 χ^2/NDF : 19.2/11

+ sign -2.508 ± 2.624 χ^2/NDF : 34.3/30

All: -2.084 ± 1.869 χ^2/NDF : 86.4/61

- sign -1.646 ± 2.664 χ^2/NDF : 52.1/30

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



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

Left Out: 10.885 ± 0.002 χ^2/NDF : 93431.0/13

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

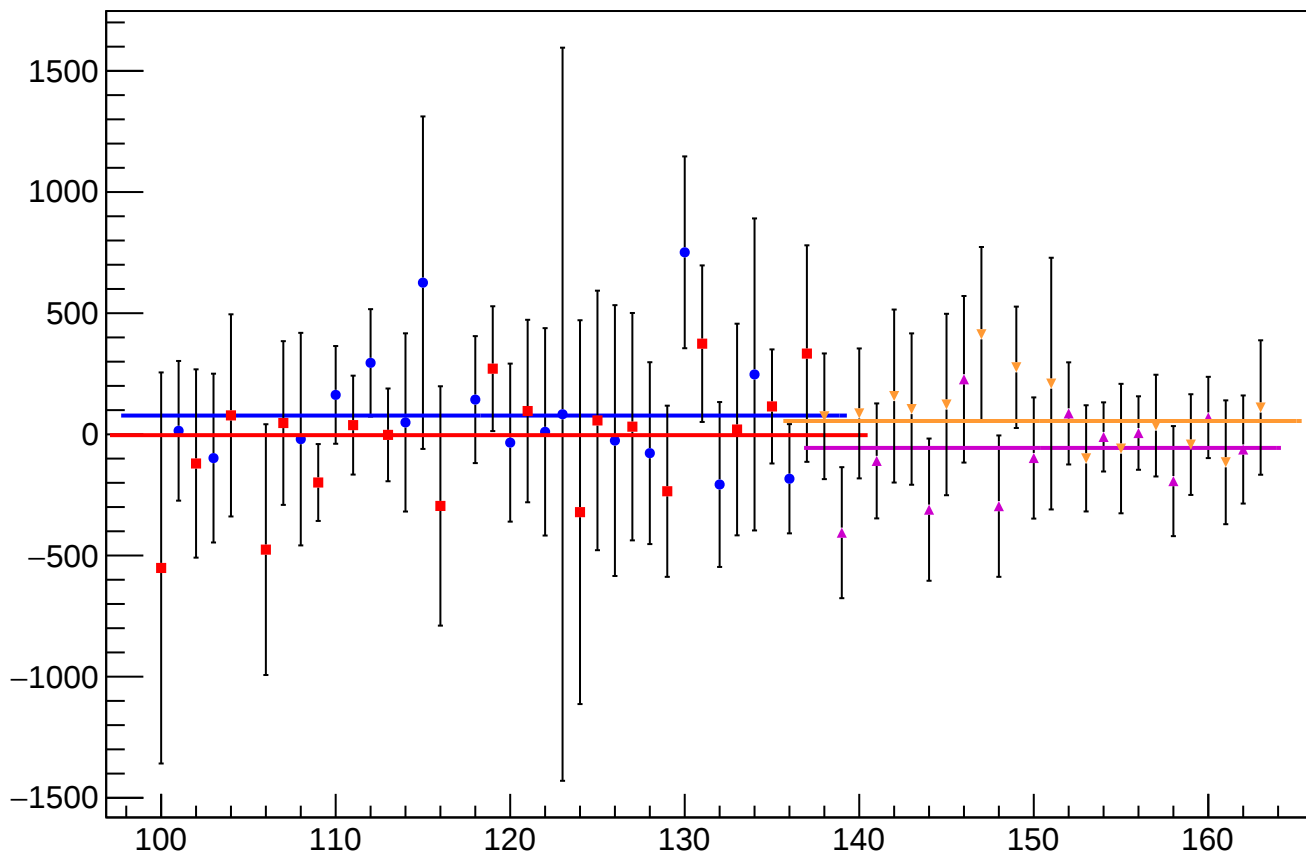
Left In: 10.834 ± 0.002 χ^2/NDF : 122677.4/11

+ sign 10.767 ± 0.002 χ^2/NDF : 259814.8/30

All: 10.783 ± 0.001 χ^2/NDF : 559998.1/61

- sign 10.799 ± 0.002 χ^2/NDF : 300036.1/30

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: 55.160 $\pm$ 72.481 χ^2 /NDF: 3.4/13

Right Out: -3.305 $\pm$ 70.855 χ^2 /NDF: 7.4/18

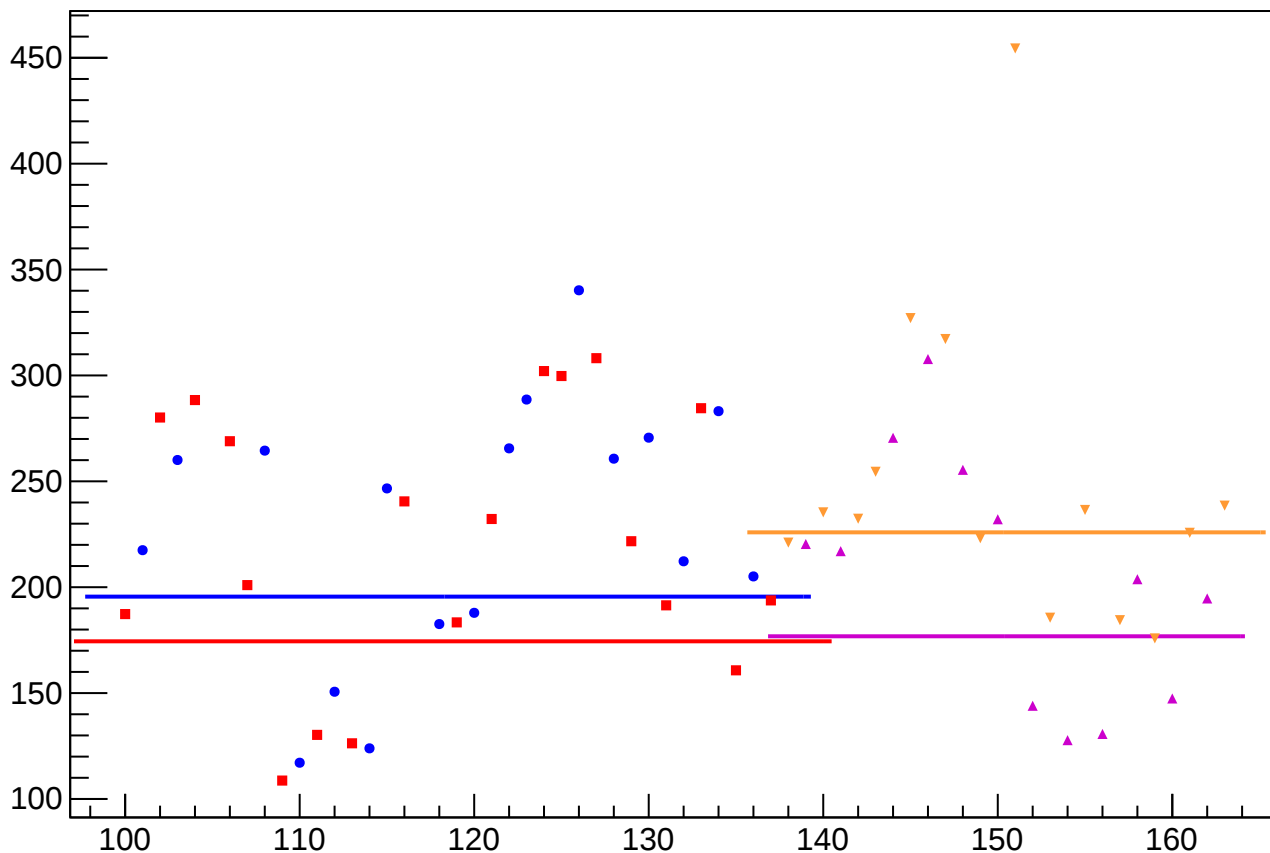
Left In: -55.978 $\pm$ 60.926 χ^2 /NDF: 5.5/11

+ sign 65.306 $\pm$ 53.638 χ^2 /NDF: 11.0/30

All: 8.528 $\pm$ 35.004 χ^2 /NDF: 26.1/61

- sign -33.588 $\pm$ 46.196 χ^2 /NDF: 13.2/30

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.551+/-0.056 χ^2/NDF : 979937.7/16

Left Out: 225.905+/-0.051 χ^2/NDF : 951639.0/13

Right Out: 174.449+/-0.050 χ^2/NDF : 1528629.1/18

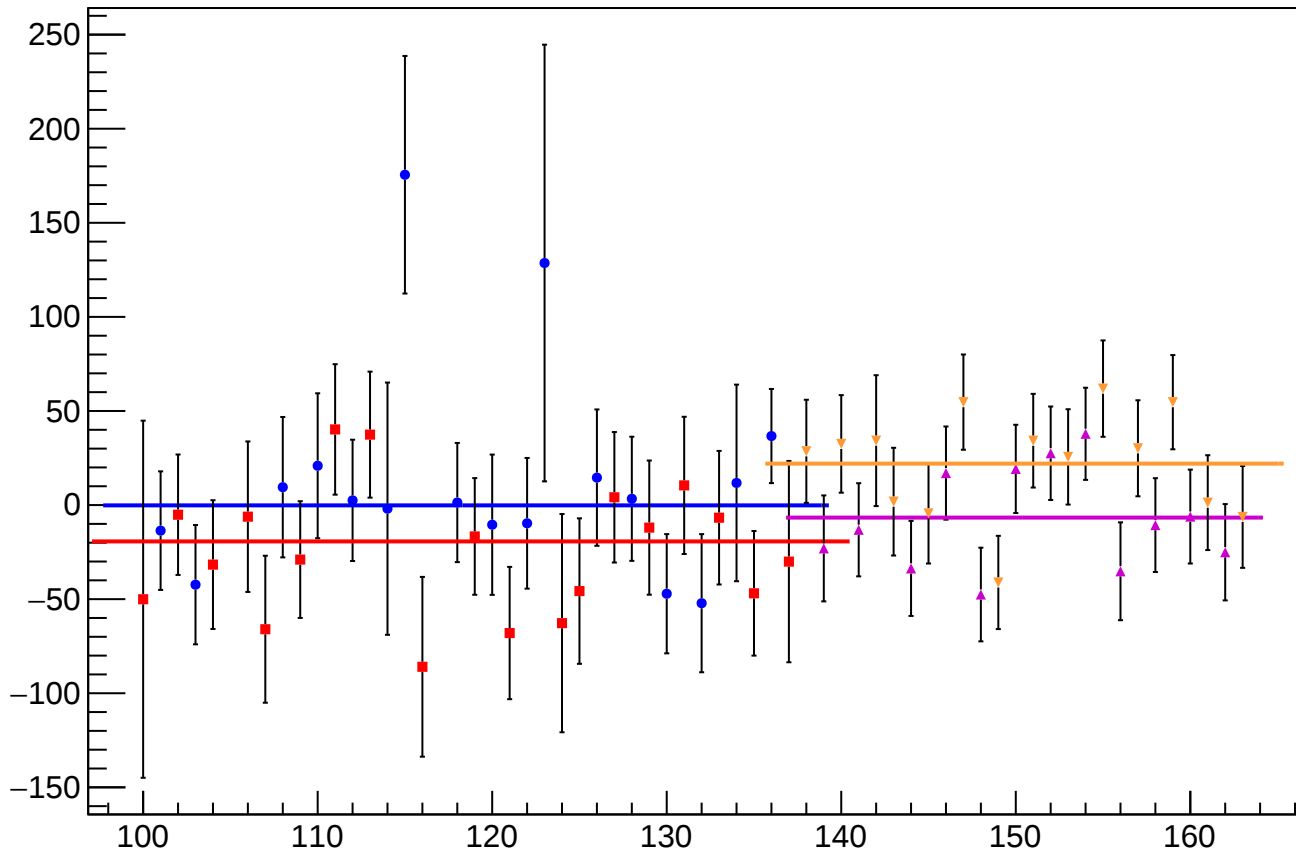
Left In: 176.823+/-0.043 χ^2/NDF : 1418414.9/11

+ sign 212.174+/-0.038 χ^2/NDF : 2090243.9/30

All: 191.299+/-0.025 χ^2/NDF : 5566225.5/61

- sign 175.814+/-0.033 χ^2/NDF : 2948334.9/30

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: 22.018 ± 7.029 χ^2/NDF : 16.3/13

Right Out: -19.316 ± 8.554 χ^2/NDF : 14.8/18

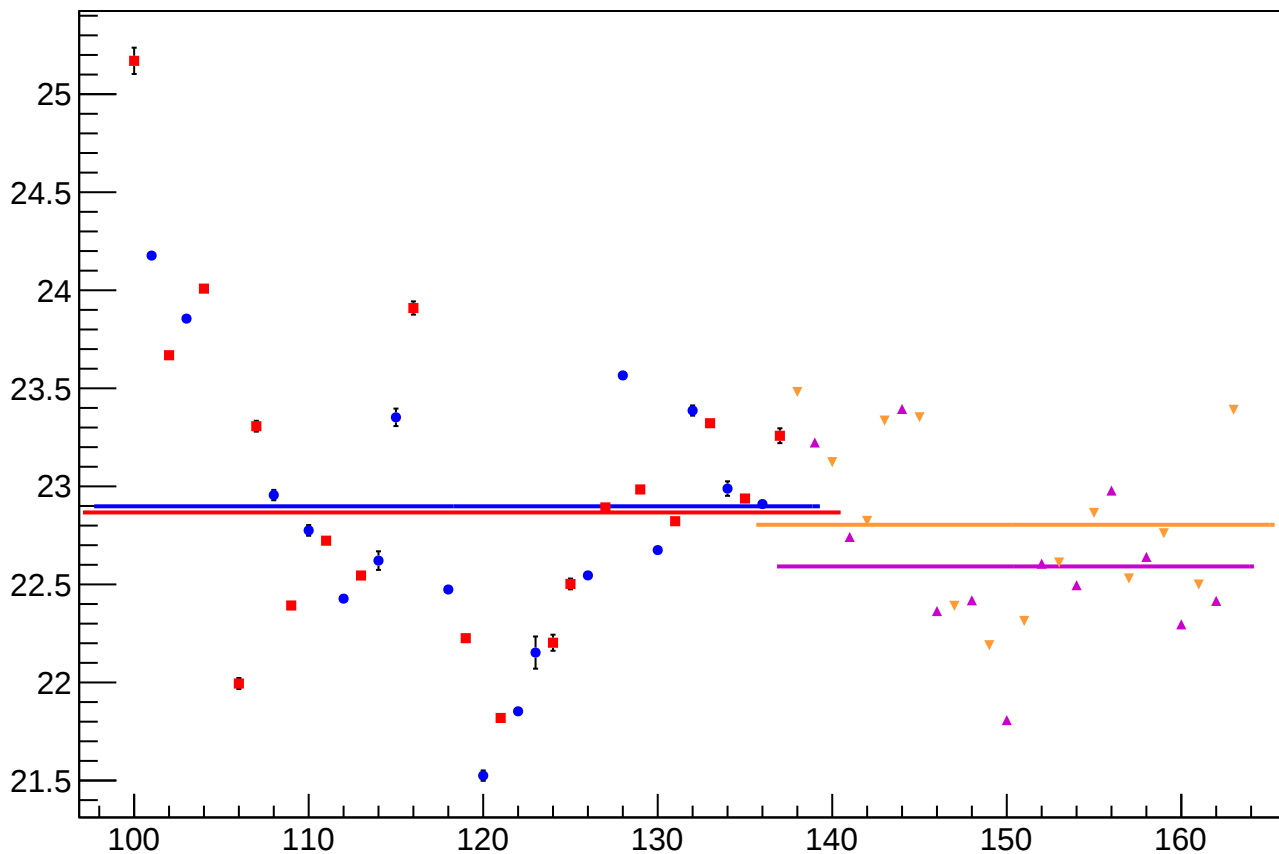
Left In: -6.656 ± 7.248 χ^2/NDF : 13.3/11

+ sign 13.412 ± 5.498 χ^2/NDF : 38.2/30

All: 0.804 ± 3.899 χ^2/NDF : 78.2/61

- sign -11.947 ± 5.530 χ^2/NDF : 29.4/30

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.898 $\pm$ 0.006 χ^2/NDF : 12143.3/16

Left Out: 22.804 $\pm$ 0.005 χ^2/NDF : 7198.1/13

Right Out: 22.867 $\pm$ 0.006 χ^2/NDF : 11048.4/18

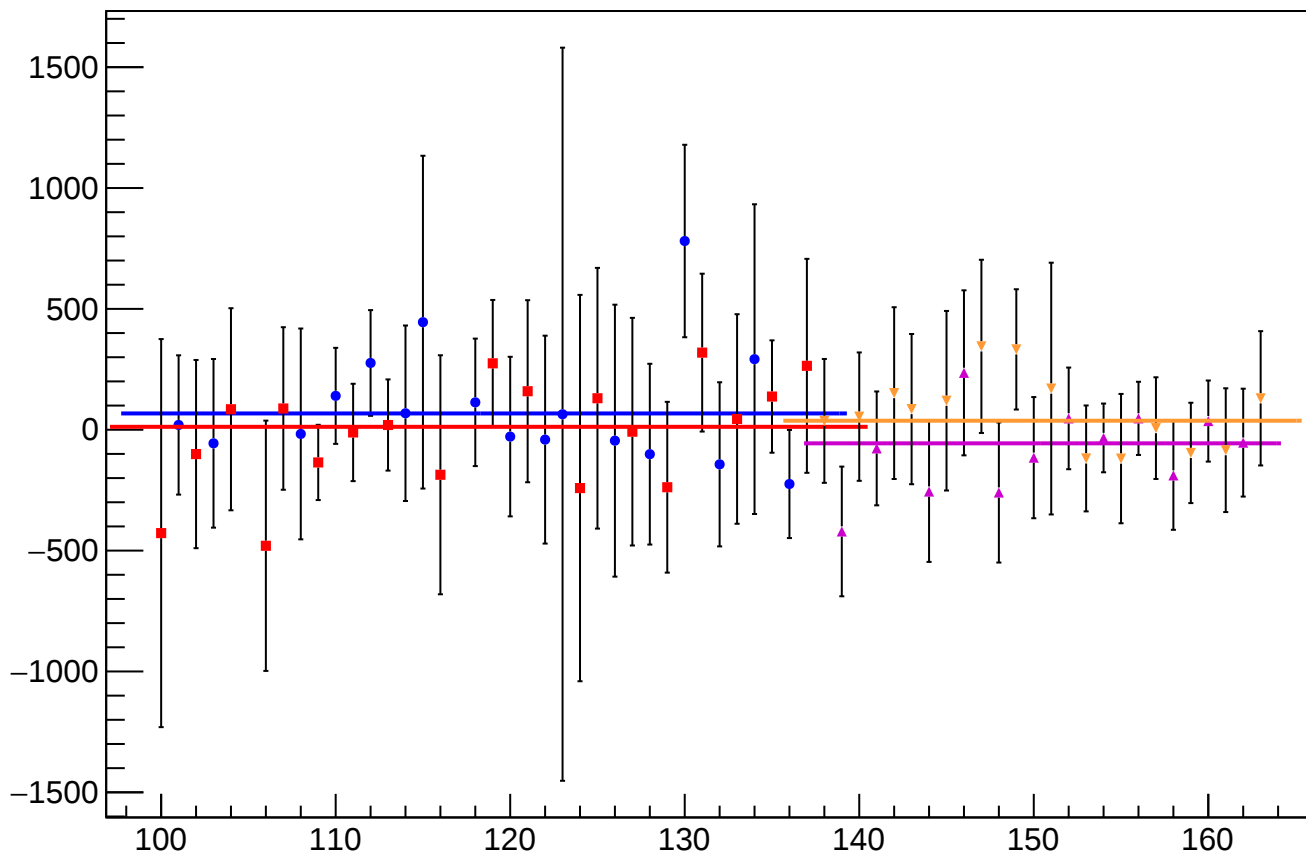
Left In: 22.592 $\pm$ 0.005 χ^2/NDF : 6457.8/11

+ sign 22.841 $\pm$ 0.004 χ^2/NDF : 19480.4/30

All: 22.774 $\pm$ 0.003 χ^2/NDF : 38783.6/61

- sign 22.707 $\pm$ 0.004 χ^2/NDF : 18712.3/30

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: 37.366 $\pm$ 72.285 χ^2 /NDF: 4.0/13

Right Out: 12.117 $\pm$ 70.355 χ^2 /NDF: 5.8/18

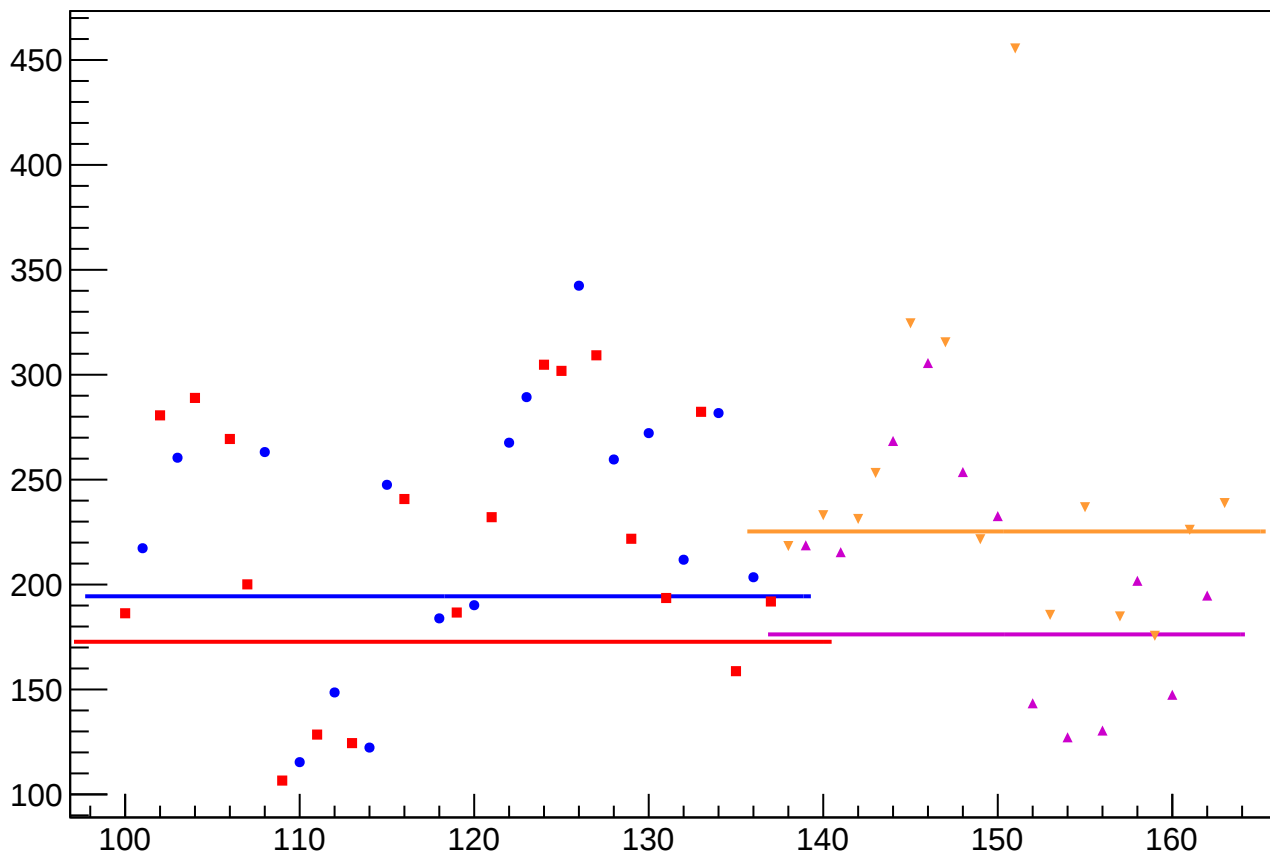
Left In: -56.213 $\pm$ 60.723 χ^2 /NDF: 5.0/11

+ sign 50.999 $\pm$ 53.453 χ^2 /NDF: 11.5/30

All: 6.136 $\pm$ 34.853 χ^2 /NDF: 24.0/61

- sign -27.042 $\pm$ 45.969 χ^2 /NDF: 11.3/30

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.411 $\pm$ 0.056 χ^2 /NDF: 1019913.2/16

Left Out: 225.313 $\pm$ 0.051 χ^2 /NDF: 943474.4/13

Right Out: 172.730 $\pm$ 0.050 χ^2 /NDF: 1596758.0/18

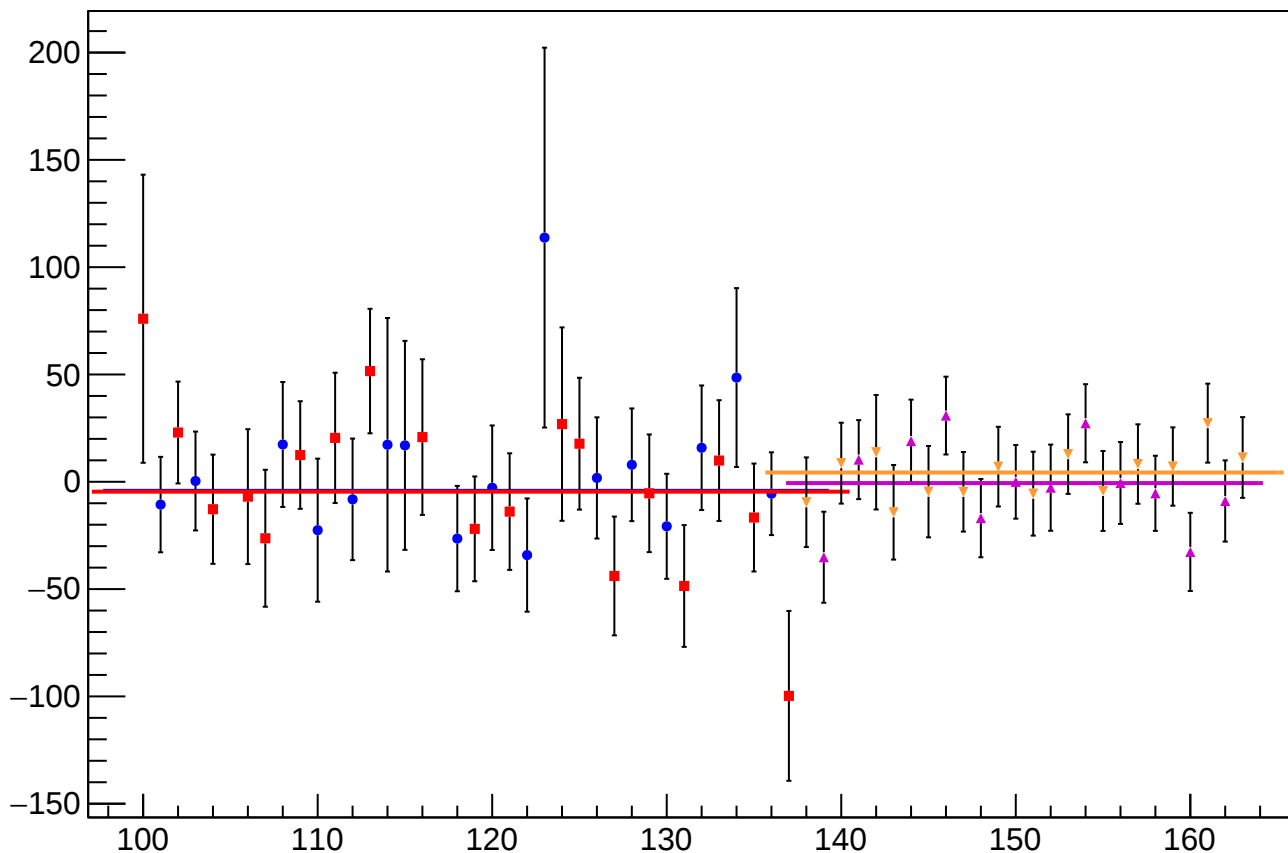
Left In: 176.247 $\pm$ 0.043 χ^2 /NDF: 1405024.8/11

+ sign 211.309 $\pm$ 0.038 χ^2 /NDF: 2129029.3/30

All: 190.290 $\pm$ 0.025 χ^2 /NDF: 5671603.2/61

- sign 174.746 $\pm$ 0.033 χ^2 /NDF: 3004646.6/30

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.223 ± 6.871 χ^2/NDF : 8.0/16

Left Out: 4.320 ± 5.220 χ^2/NDF : 4.2/13

Right Out: -4.599 ± 6.725 χ^2/NDF : 21.1/18

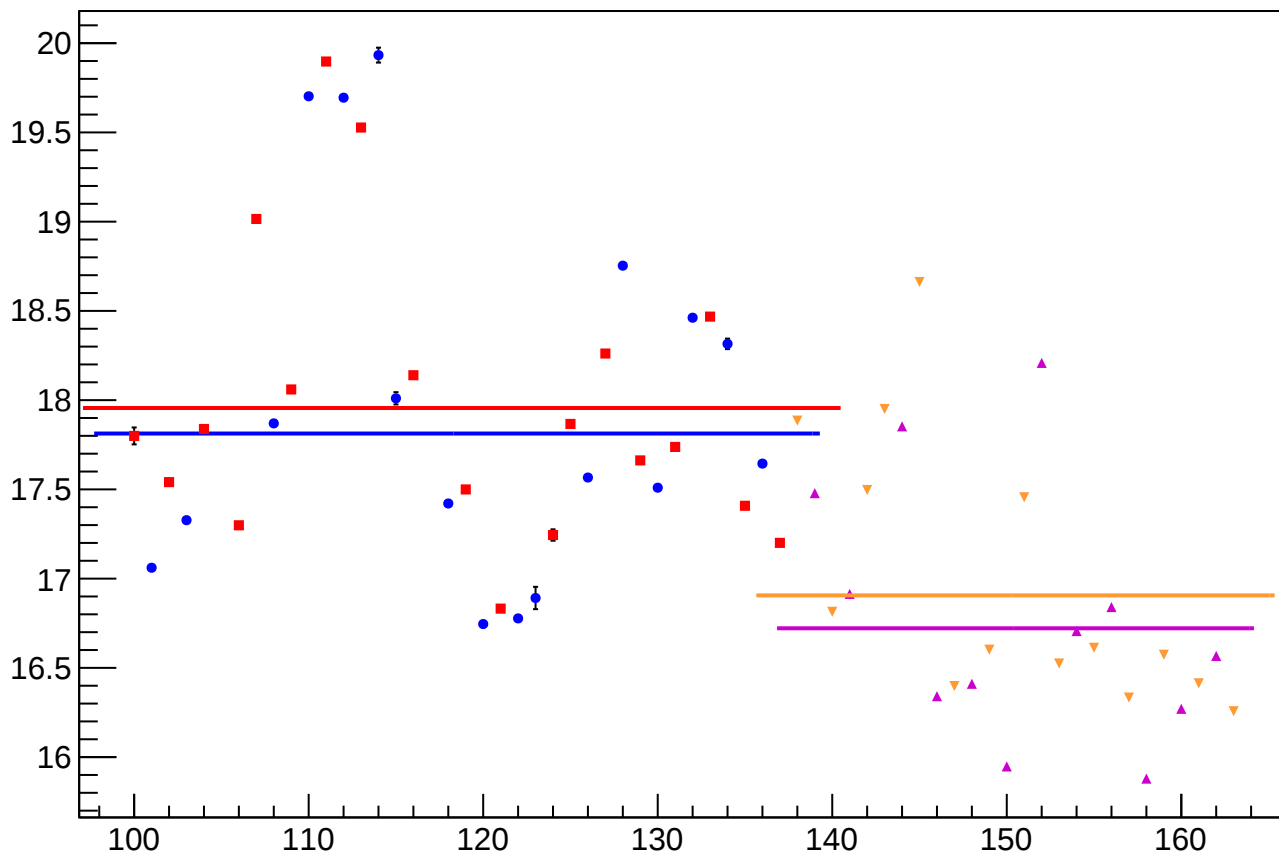
Left In: -0.601 ± 5.375 χ^2/NDF : 13.6/11

+ sign 1.194 ± 4.157 χ^2/NDF : 13.2/30

All: -0.466 ± 2.954 χ^2/NDF : 48.4/61

- sign -2.159 ± 4.199 χ^2/NDF : 34.9/30

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: 16.906 $\pm$ 0.004 χ^2 /NDF:34870.7/13

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25445.3/18

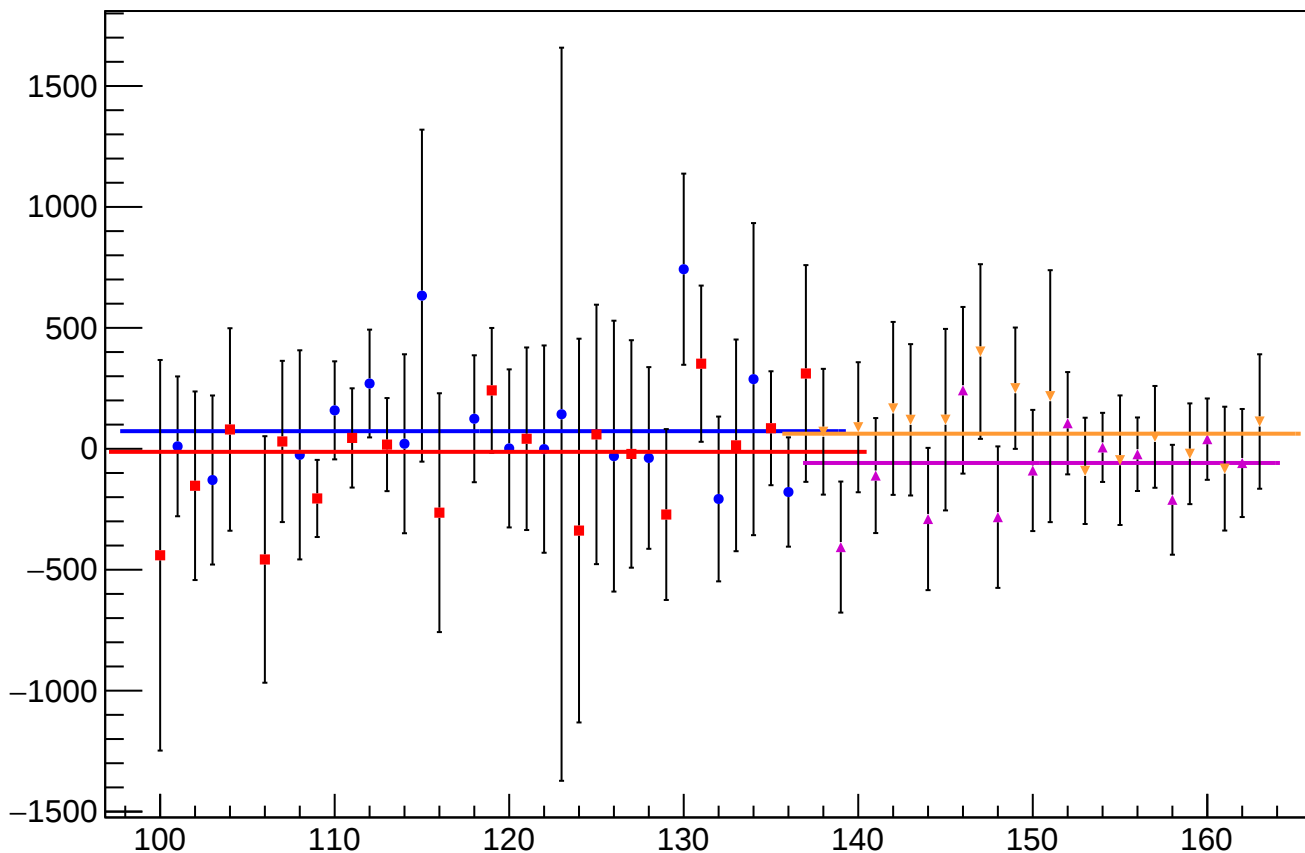
Left In: 16.722 $\pm$ 0.004 χ^2 /NDF:32206.1/11

+ sign 17.238 $\pm$ 0.003 χ^2 /NDF: 88993.2/30

All: 17.221 $\pm$ 0.002 χ^2 /NDF: 187818.1/61

- sign 17.203 $\pm$ 0.003 χ^2 /NDF: 98754.2/30

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: 62.449+/-72.646 χ^2/NDF : 2.9/13

Right Out: -12.565+/-71.013 χ^2/NDF : 6.7/18

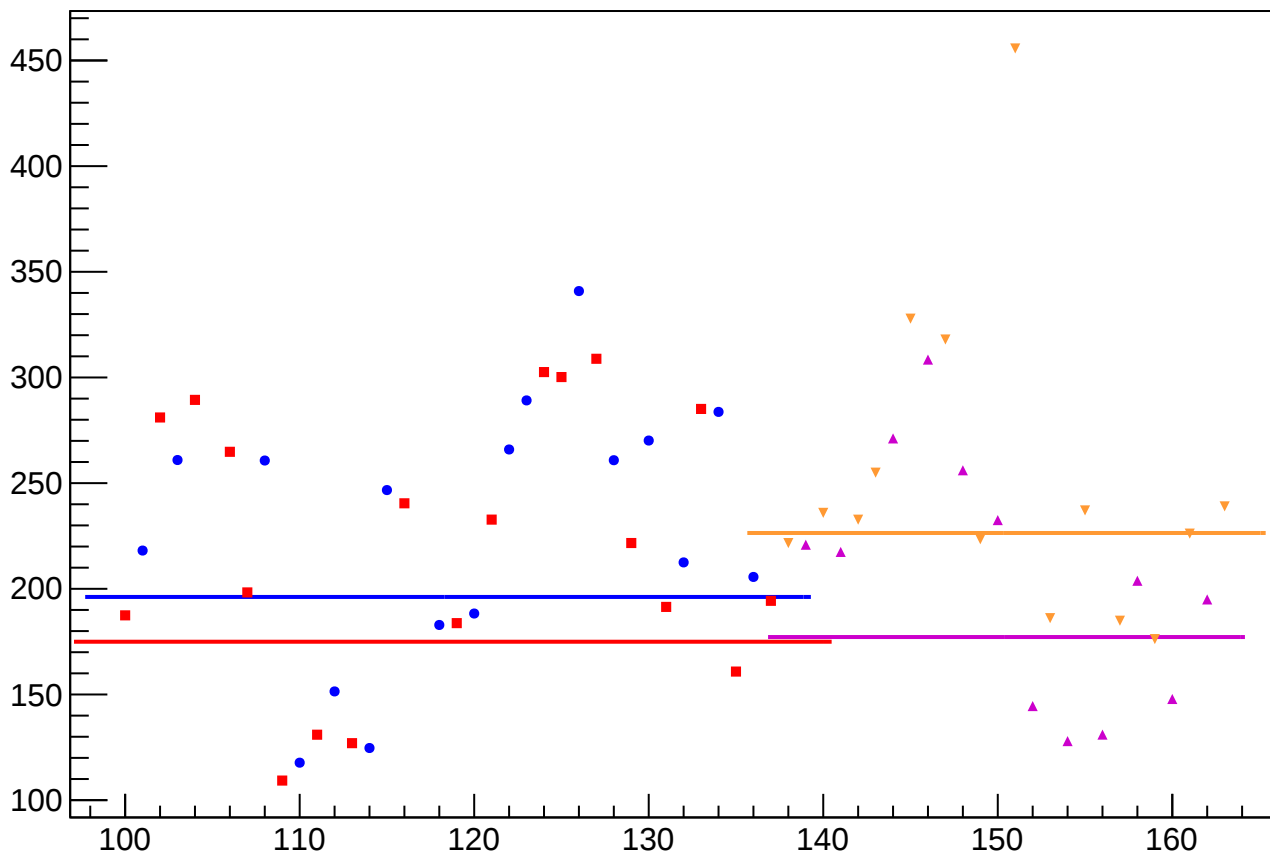
Left In: -58.576+/-61.050 χ^2/NDF : 5.3/11

+ sign 67.170+/-53.765 χ^2/NDF : 10.1/30

All: 6.189+/-35.081 χ^2/NDF : 24.6/61

- sign -39.022+/-46.294 χ^2/NDF : 12.3/30

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.151+/-0.057 χ^2/NDF : 964998.4/16

Left Out: 226.418+/-0.051 χ^2/NDF : 951533.7/13

+ sign 212.730+/-0.038 χ^2/NDF : 2073543.7/30

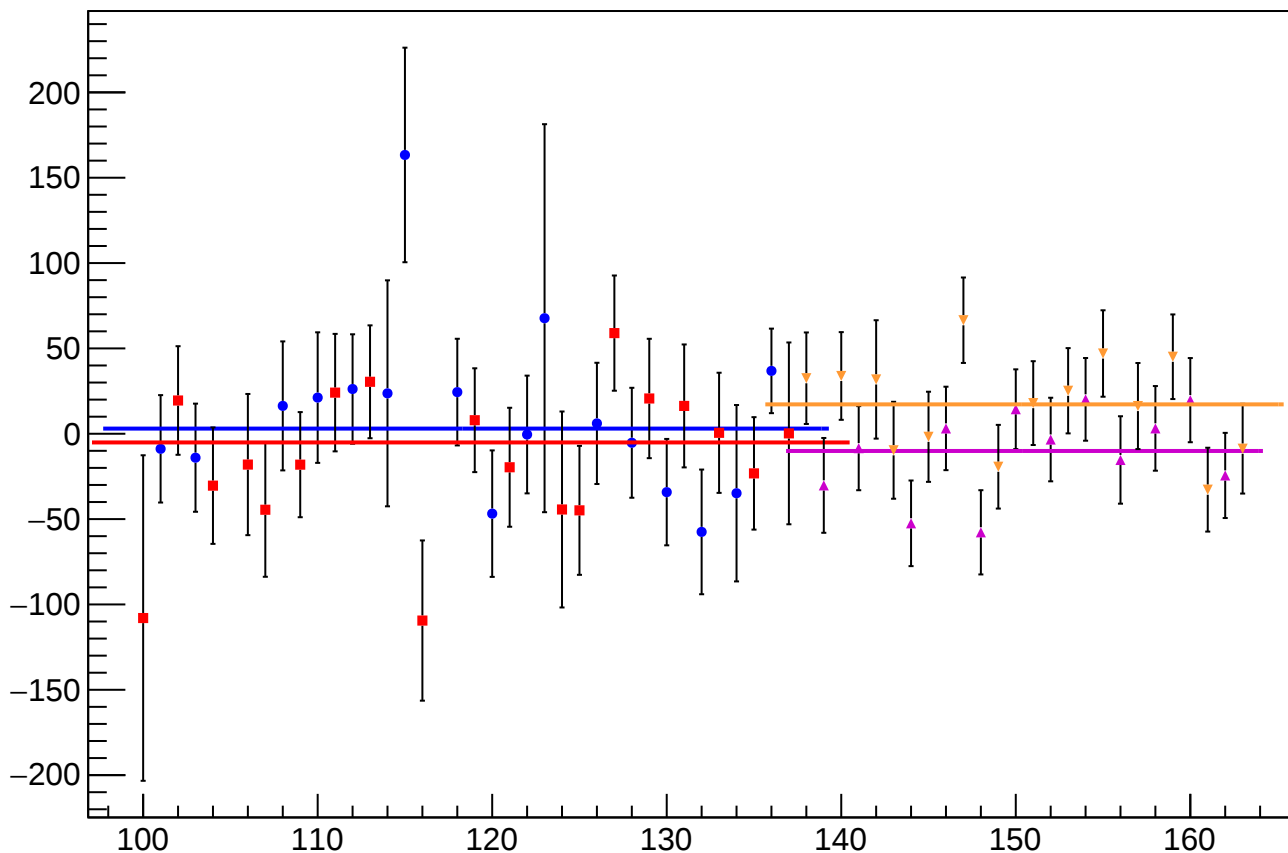
Right Out: 174.965+/-0.050 χ^2/NDF : 1510956.5/18

All: 191.776+/-0.025 χ^2/NDF : 5532308.7/61

- sign 176.241+/-0.033 χ^2/NDF : 2929785.5/30

Left In: 177.185+/-0.043 χ^2/NDF : 1417705.1/11

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



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

Left Out: 17.214 ± 6.934 $\chi^2/\text{NDF}: 16.3/13$

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

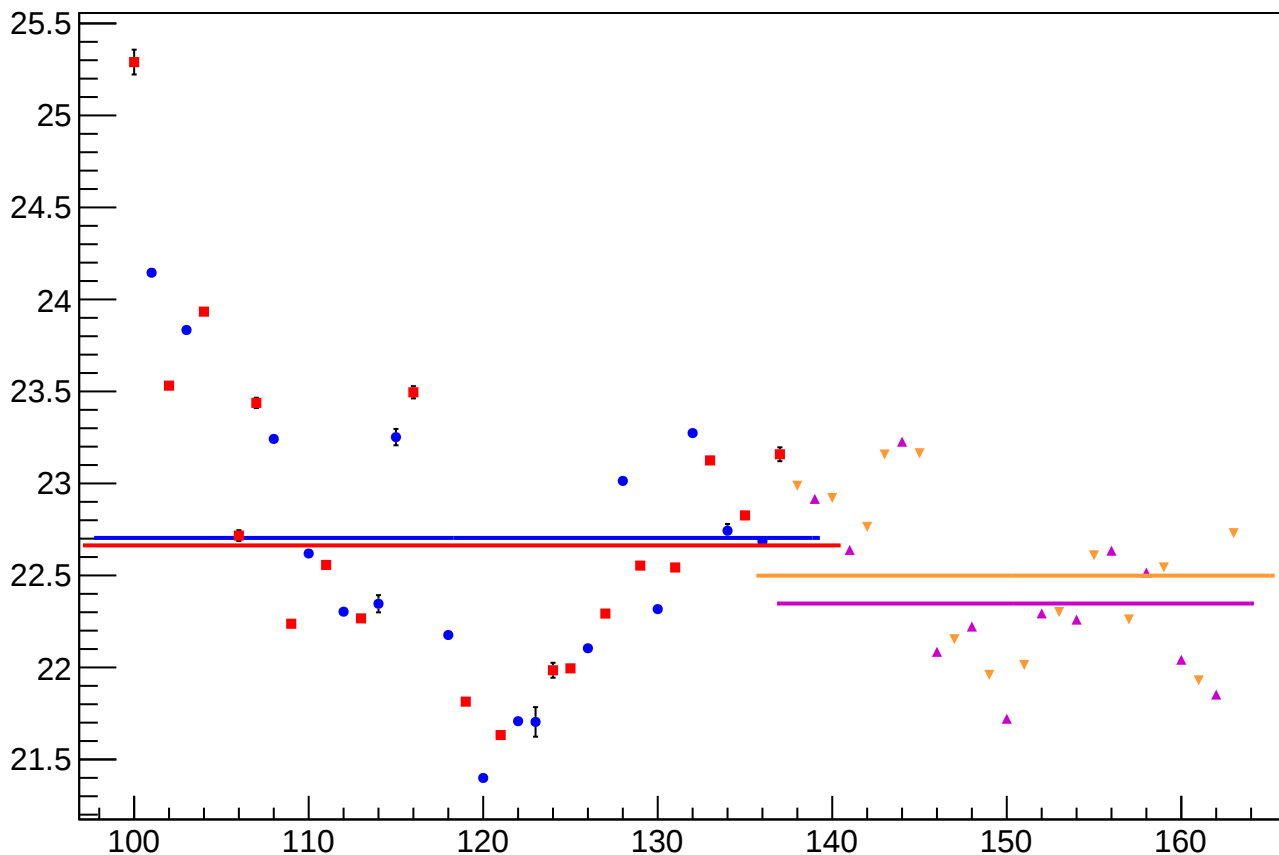
Left In: -10.088 ± 7.169 $\chi^2/\text{NDF}: 12.3/11$

+ sign 11.740 ± 5.435 $\chi^2/\text{NDF}: 35.1/30$

All: 1.939 ± 3.857 $\chi^2/\text{NDF}: 71.3/61$

- sign -8.005 ± 5.474 $\chi^2/\text{NDF}: 29.6/30$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.704 $\pm$ 0.006 χ^2 /NDF: 14105.8/16

Left Out: 22.499 $\pm$ 0.005 χ^2 /NDF: 7371.5/13

Right Out: 22.663 $\pm$ 0.006 χ^2 /NDF: 12943.4/18

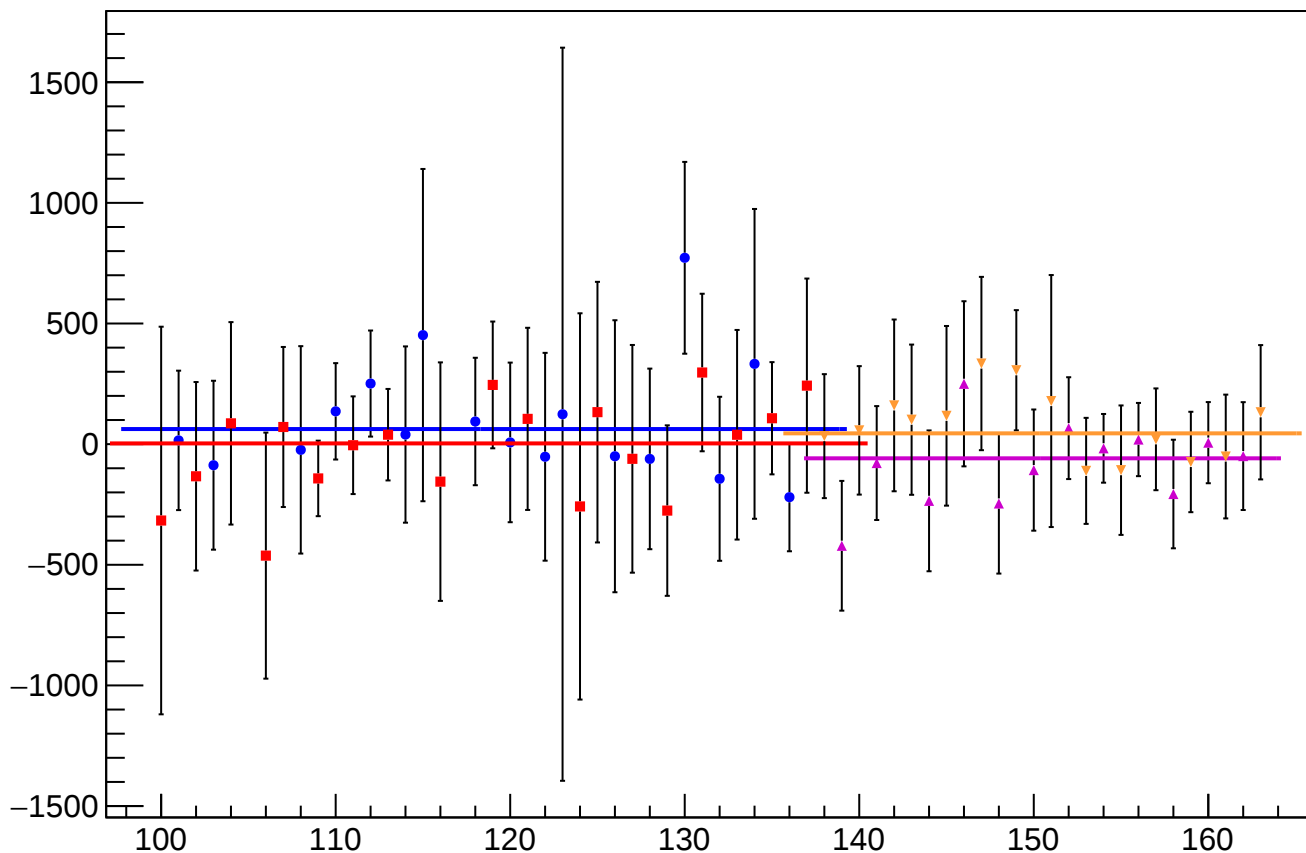
Left In: 22.347 $\pm$ 0.005 χ^2 /NDF: 6770.0/11

+ sign 22.578 $\pm$ 0.004 χ^2 /NDF: 22152.0/30

All: 22.529 $\pm$ 0.003 χ^2 /NDF: 43811.9/61

- sign 22.479 $\pm$ 0.004 χ^2 /NDF: 21331.4/30

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: 44.739+/-72.450 χ^2/NDF : 3.4/13

Right Out: 3.038+/-70.518 χ^2/NDF : 5.2/18

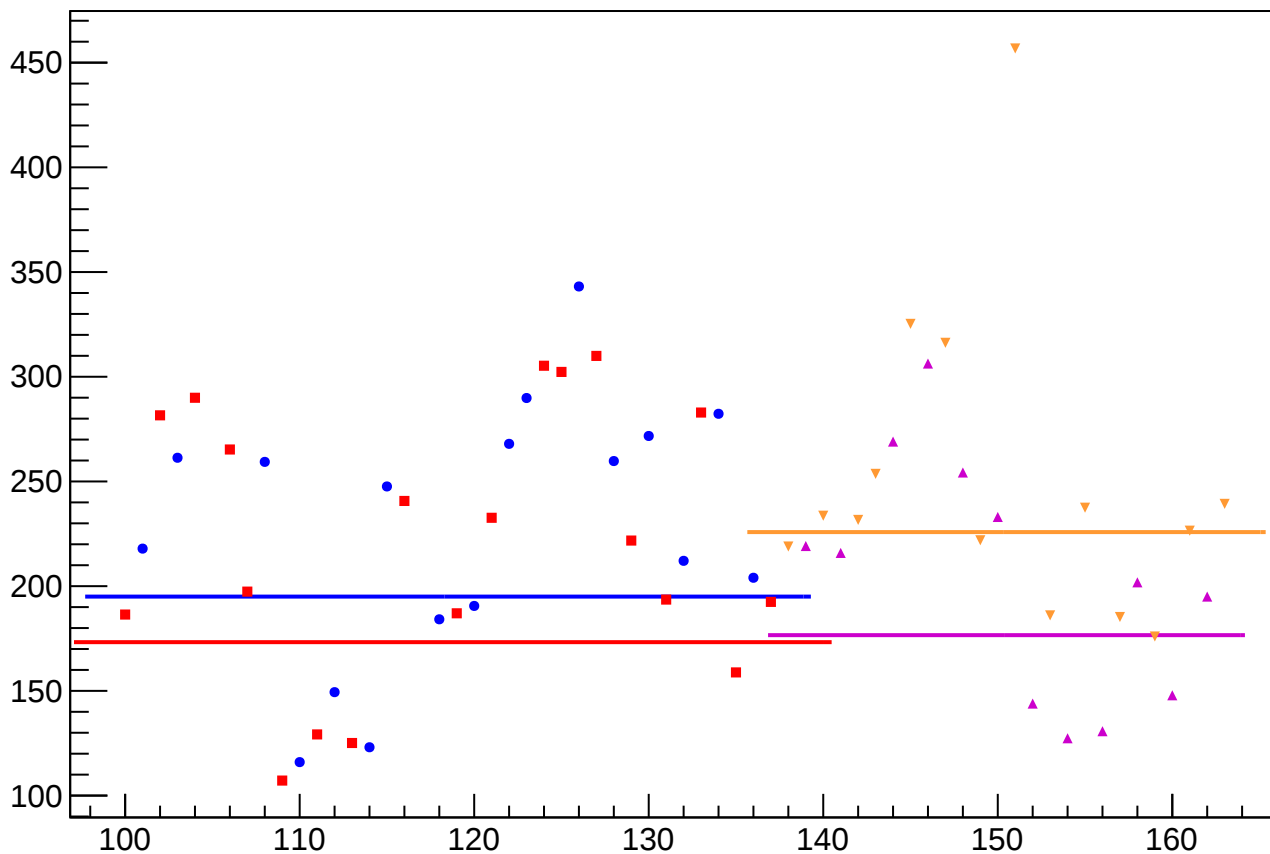
Left In: -58.763+/-60.846 χ^2/NDF : 4.7/11

+ sign 52.819+/-53.581 χ^2/NDF : 10.5/30

All: 3.827+/-34.932 χ^2/NDF : 22.3/61

- sign -32.388+/-46.068 χ^2/NDF : 10.4/30

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: 225.824 $\pm$ 0.051 χ^2 /NDF: 943390.4/13

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

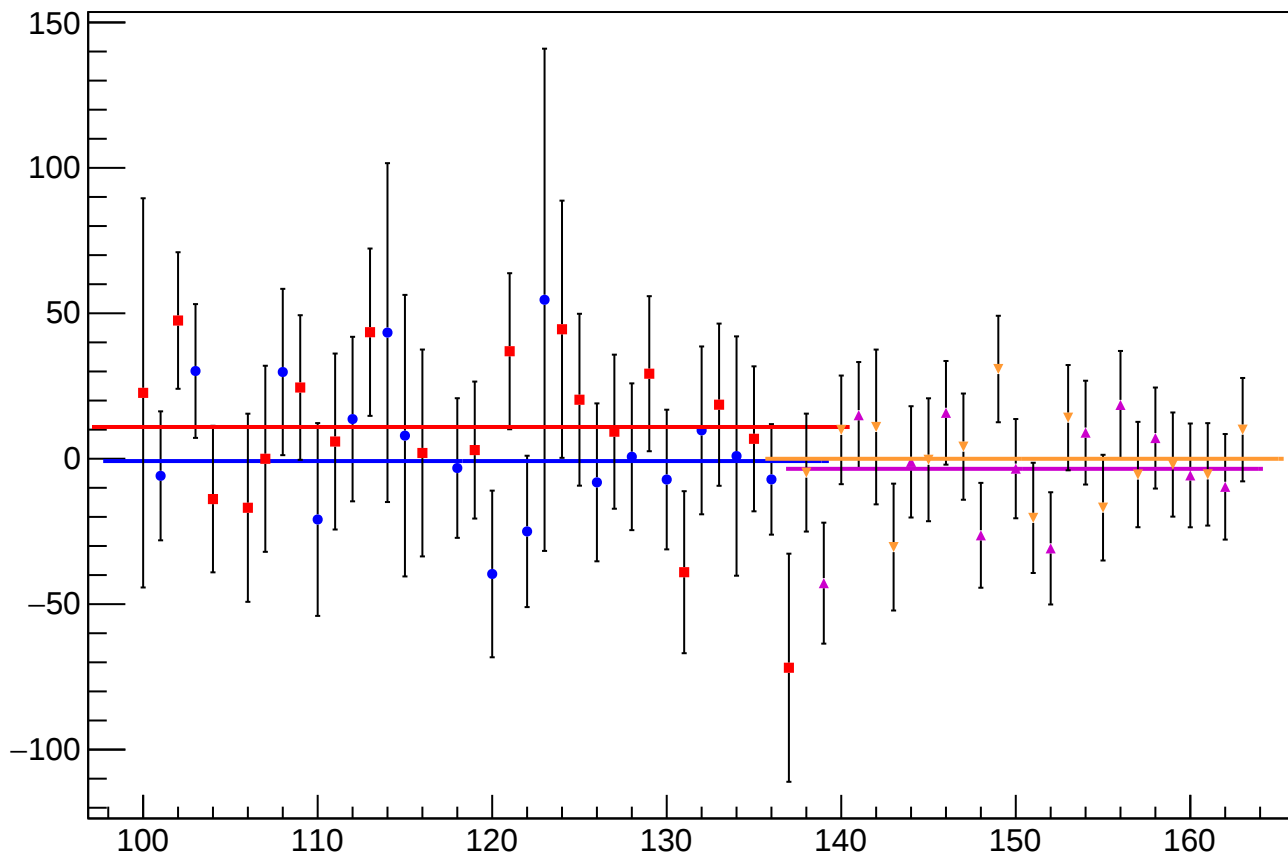
Left In: 176.607 $\pm$ 0.043 χ^2 /NDF: 1404404.1/11

+ sign 211.869 $\pm$ 0.038 χ^2 /NDF: 2111458.3/30

All: 190.774 $\pm$ 0.025 χ^2 /NDF: 5635838.2/61

- sign 175.179 $\pm$ 0.033 χ^2 /NDF: 2985187.3/30

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: -0.023 ± 5.099 χ^2/NDF : 8.5/13

Right Out: 10.912 ± 6.626 χ^2/NDF : 15.9/18

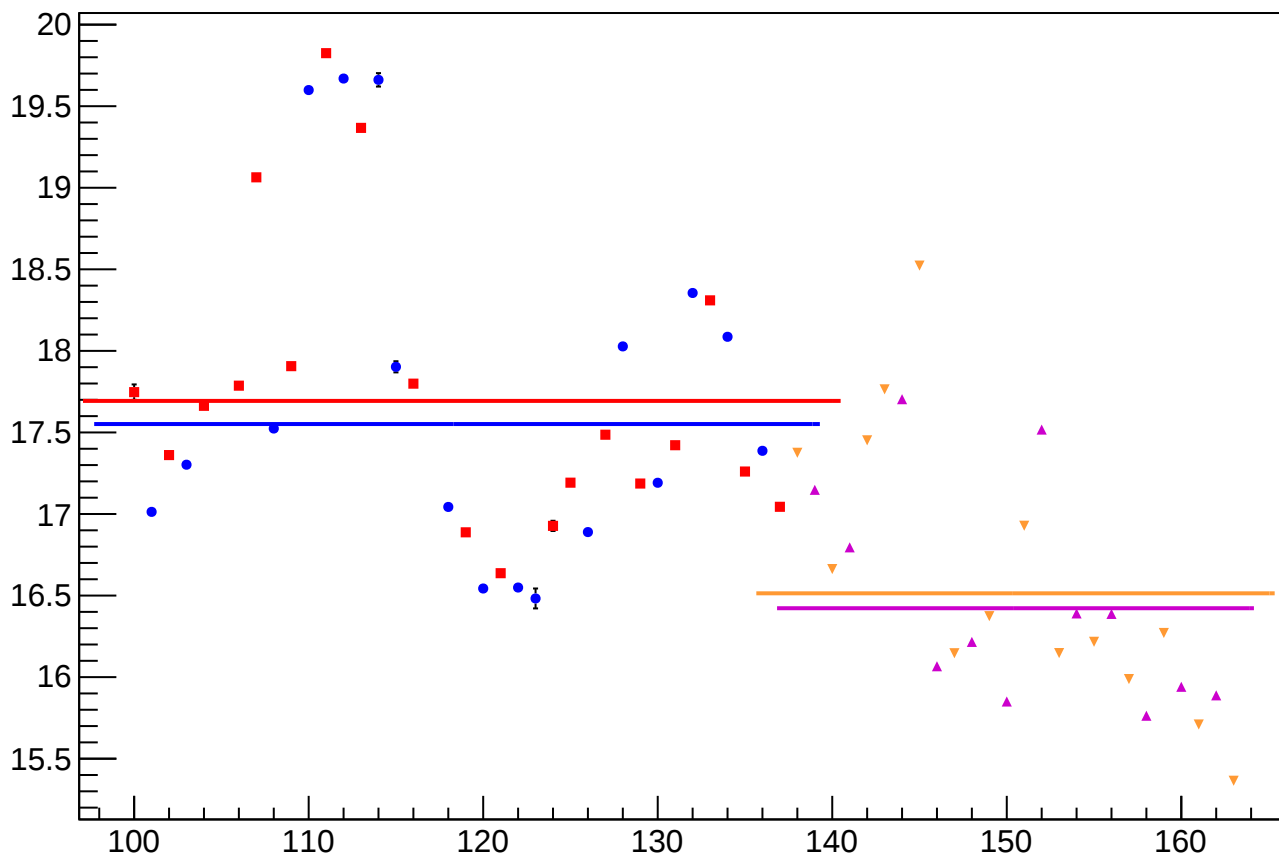
Left In: -3.475 ± 5.276 χ^2/NDF : 11.8/11

+ sign -0.304 ± 4.073 χ^2/NDF : 16.2/30

All: 0.885 ± 2.899 χ^2/NDF : 47.0/61

- sign 2.107 ± 4.128 χ^2/NDF : 30.6/30

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 ± 0.005 $\chi^2/\text{NDF}: 34027.1/16$

Left Out: 16.514 ± 0.004 $\chi^2/\text{NDF}: 48693.7/13$

Right Out: 17.693 ± 0.005 $\chi^2/\text{NDF}: 30742.0/18$

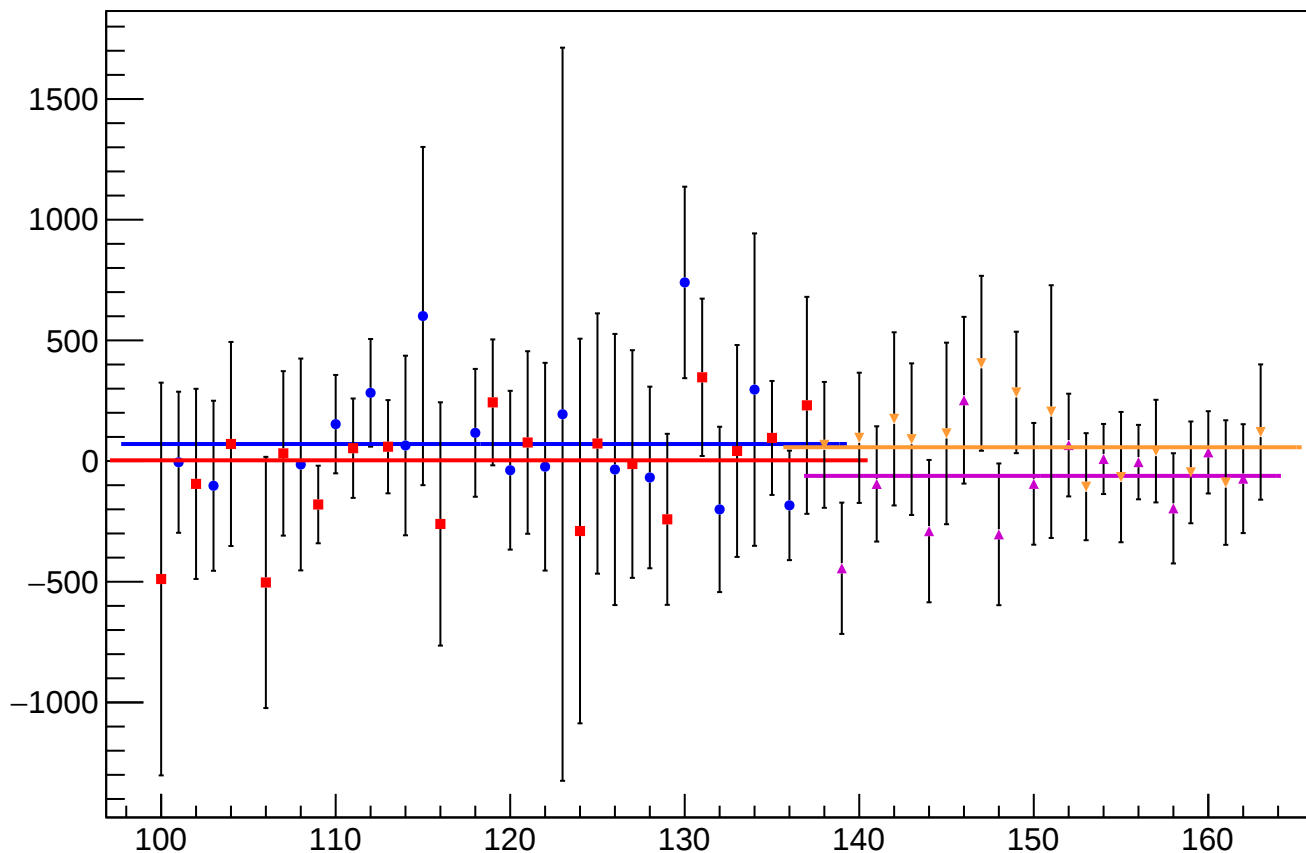
Left In: 16.422 ± 0.004 $\chi^2/\text{NDF}: 28074.7/11$

+ sign 16.889 ± 0.003 $\chi^2/\text{NDF}: 112702.1/30$

All: 16.902 ± 0.002 $\chi^2/\text{NDF}: 216589.1/61$

- sign 16.916 ± 0.003 $\chi^2/\text{NDF}: 103846.3/30$

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: 57.290 $\pm$ 73.146 χ^2 /NDF: 3.4/13

Right Out: 3.063 $\pm$ 71.508 χ^2 /NDF: 6.2/18

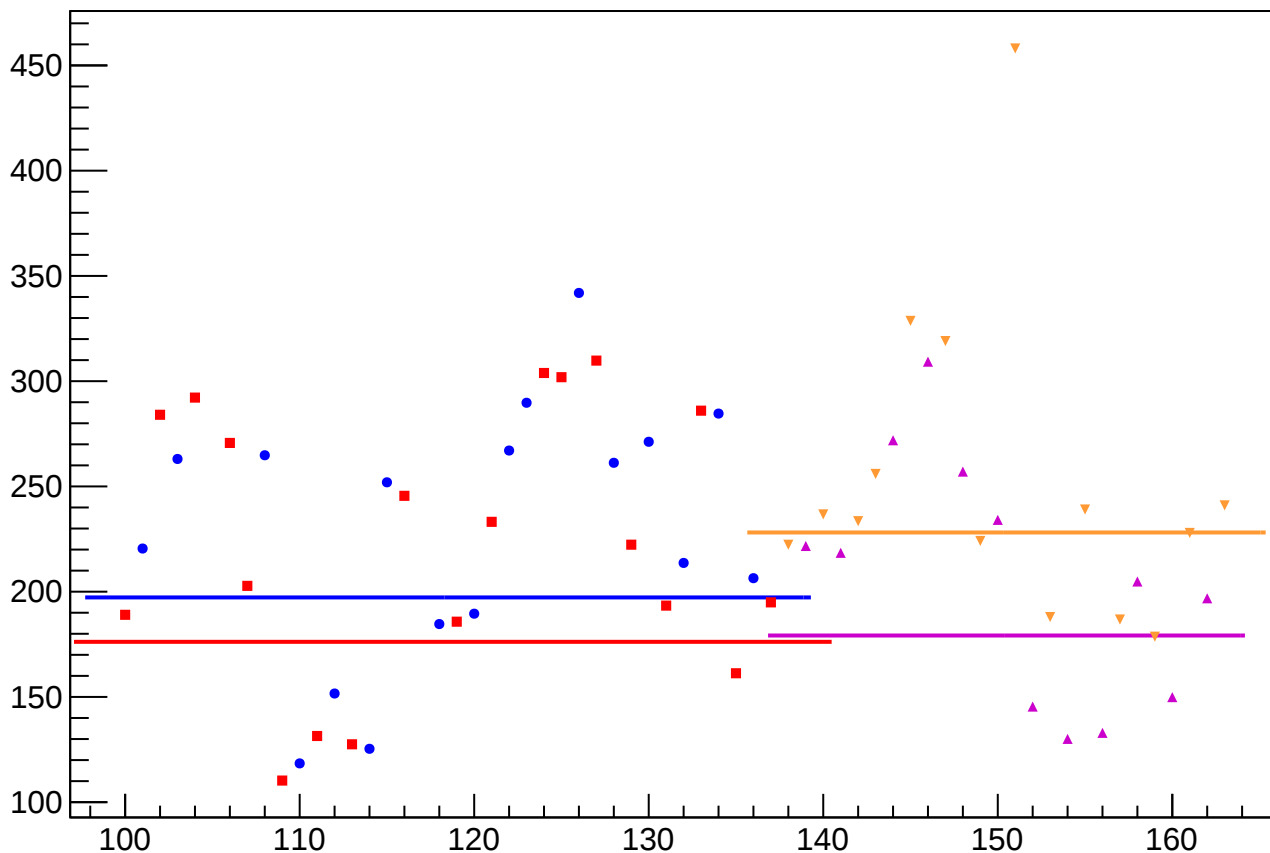
Left In: -61.356 $\pm$ 61.652 χ^2 /NDF: 5.5/11

+ sign 63.332 $\pm$ 54.108 χ^2 /NDF: 10.6/30

All: 7.609 $\pm$ 35.350 χ^2 /NDF: 24.6/61

- sign -33.888 $\pm$ 46.693 χ^2 /NDF: 12.2/30

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: 228.125 $\pm$ 0.052 χ^2 /NDF: 933228.7/13

Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

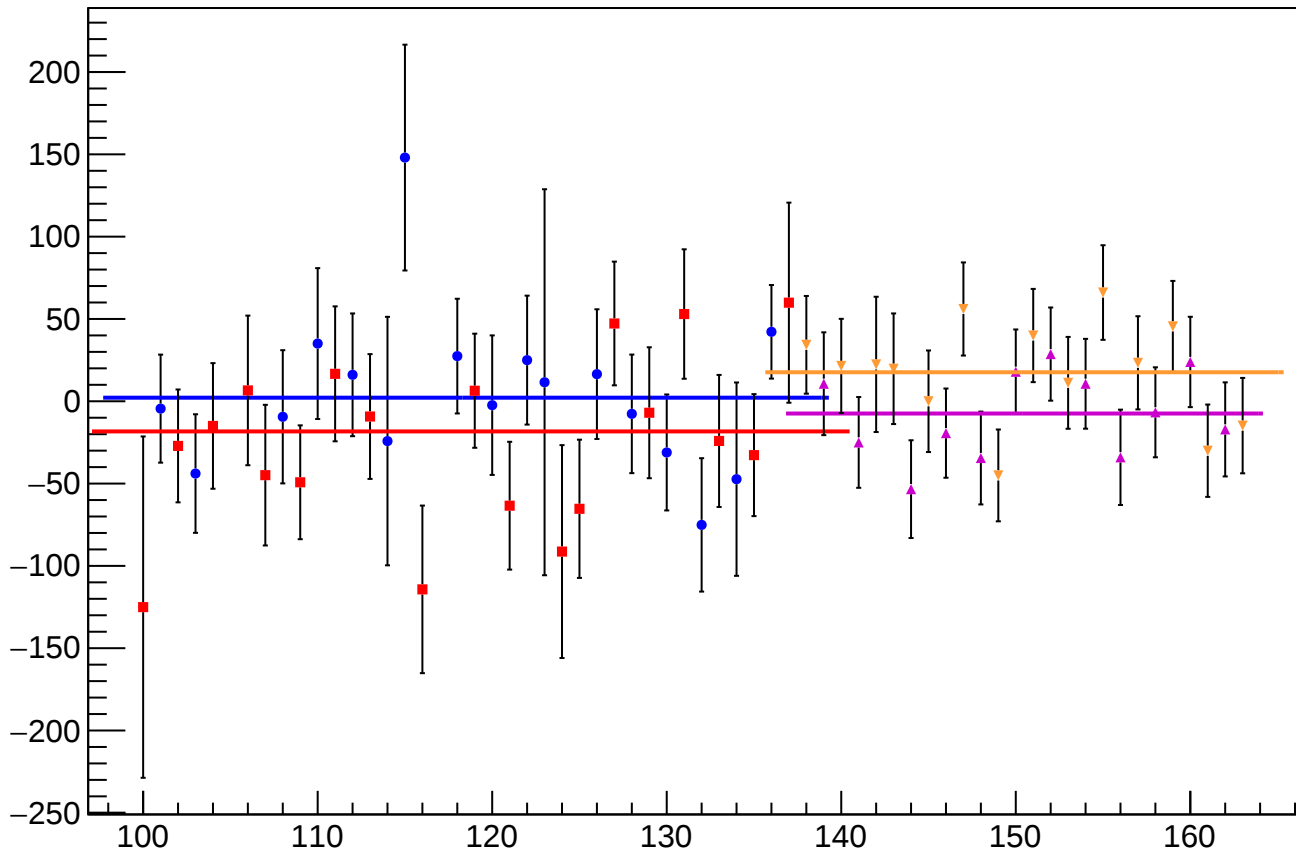
Left In: 179.179 $\pm$ 0.044 χ^2 /NDF: 1375563.6/11

+ sign 214.154 $\pm$ 0.038 χ^2 /NDF: 2063909.0/30

All: 193.375 $\pm$ 0.025 χ^2 /NDF: 5475815.2/61

- sign 177.901 $\pm$ 0.033 χ^2 /NDF: 2897288.5/30

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.178+/-9.825 χ^2/NDF : 15.4/16

Left Out: 17.630+/-7.860 χ^2/NDF : 16.3/13

Right Out: -18.320+/-9.497 χ^2/NDF : 19.6/18

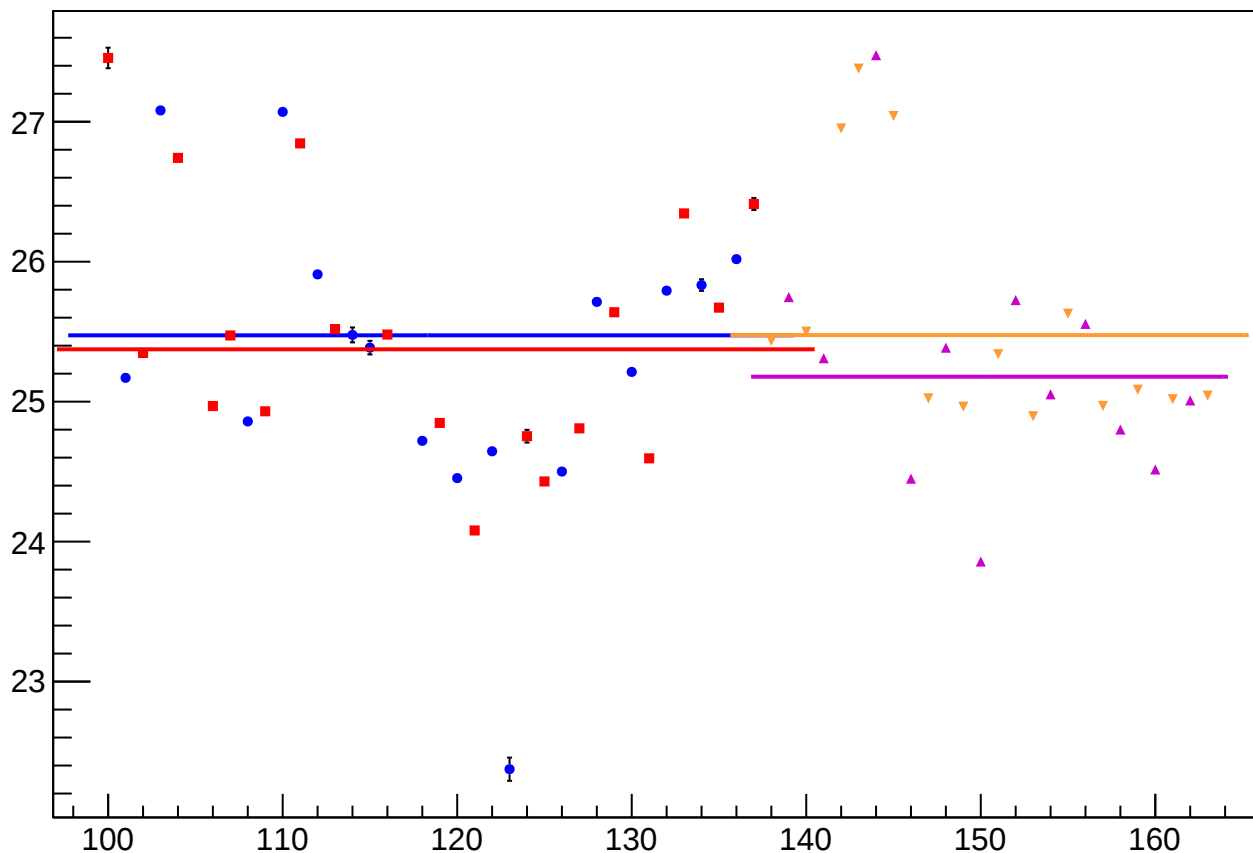
Left In: -7.439+/-8.087 χ^2/NDF : 9.6/11

+ sign 11.600+/-6.137 χ^2/NDF : 33.2/30

All: -0.168+/-4.347 χ^2/NDF : 70.4/61

- sign -12.013+/-6.157 χ^2/NDF : 29.9/30

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: 25.475+/-0.006 χ^2/NDF : 18327.2/13

Right Out: 25.374+/-0.007 χ^2/NDF : 13581.2/18

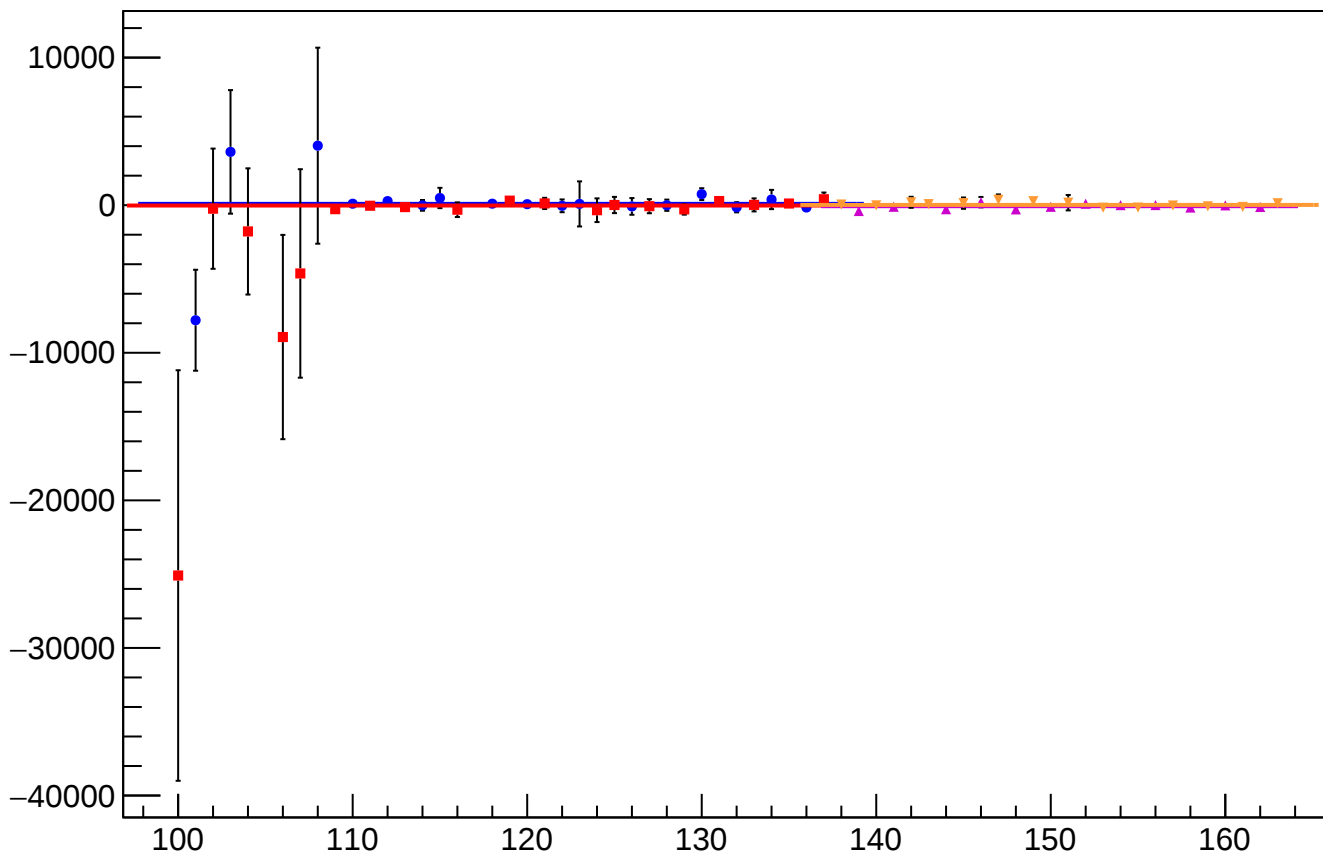
Left In: 25.178+/-0.006 χ^2/NDF : 22274.8/11

+ sign 25.475+/-0.004 χ^2/NDF : 32388.4/30

All: 25.368+/-0.003 χ^2/NDF : 69952.7/61

- sign 25.260+/-0.004 χ^2/NDF : 36349.1/30

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: 18.202+/-74.185 χ^2/NDF : 4.1/13

Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

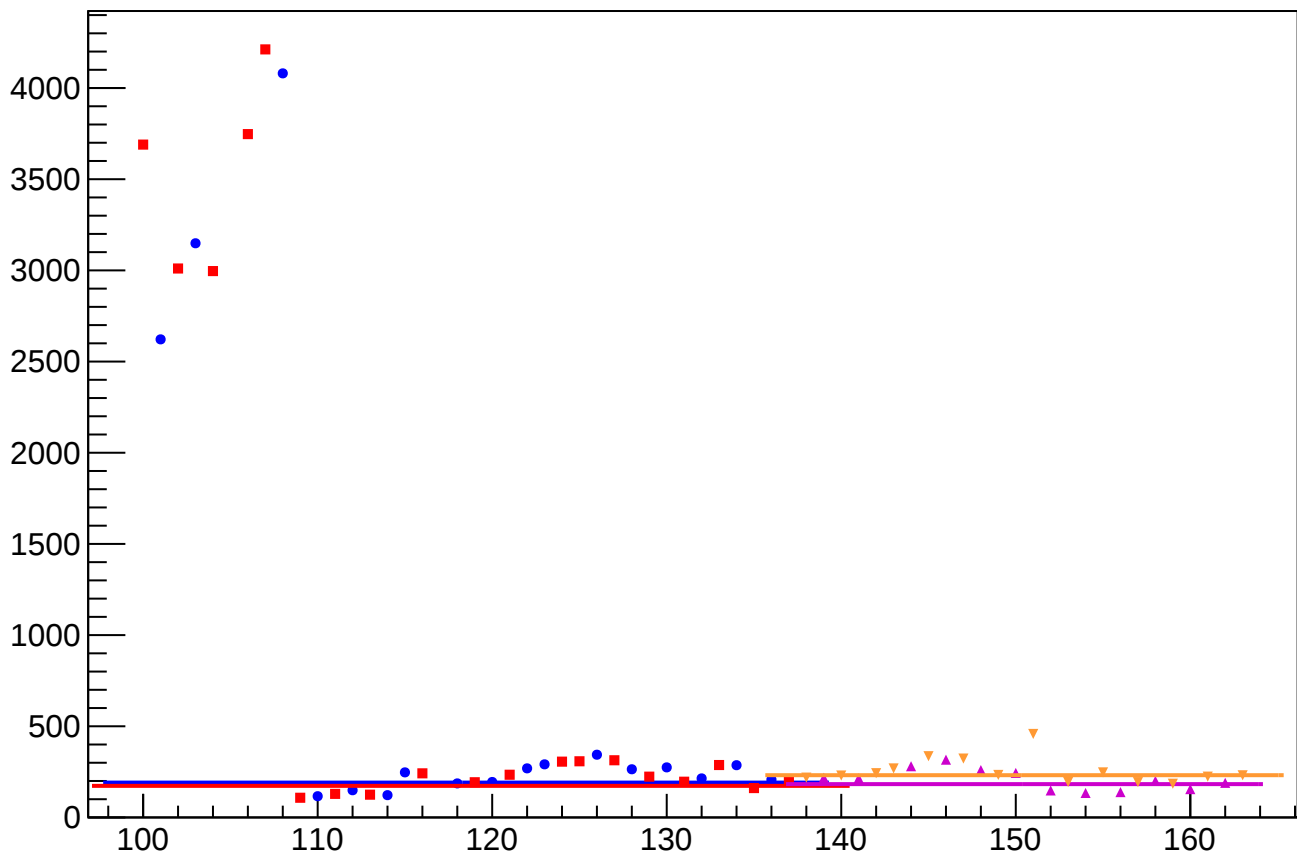
Left In: -67.420+/-62.688 χ^2/NDF : 4.5/11

+ sign 48.017+/-56.620 χ^2/NDF : 16.7/30

All: -7.833+/-37.289 χ^2/NDF : 35.1/61

- sign -50.610+/-49.553 χ^2/NDF : 16.6/30

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: 231.758+/-0.052 χ^2/NDF : 893377.7/13

Right Out: 173.269+/-0.057 χ^2/NDF : 4207191.5/18

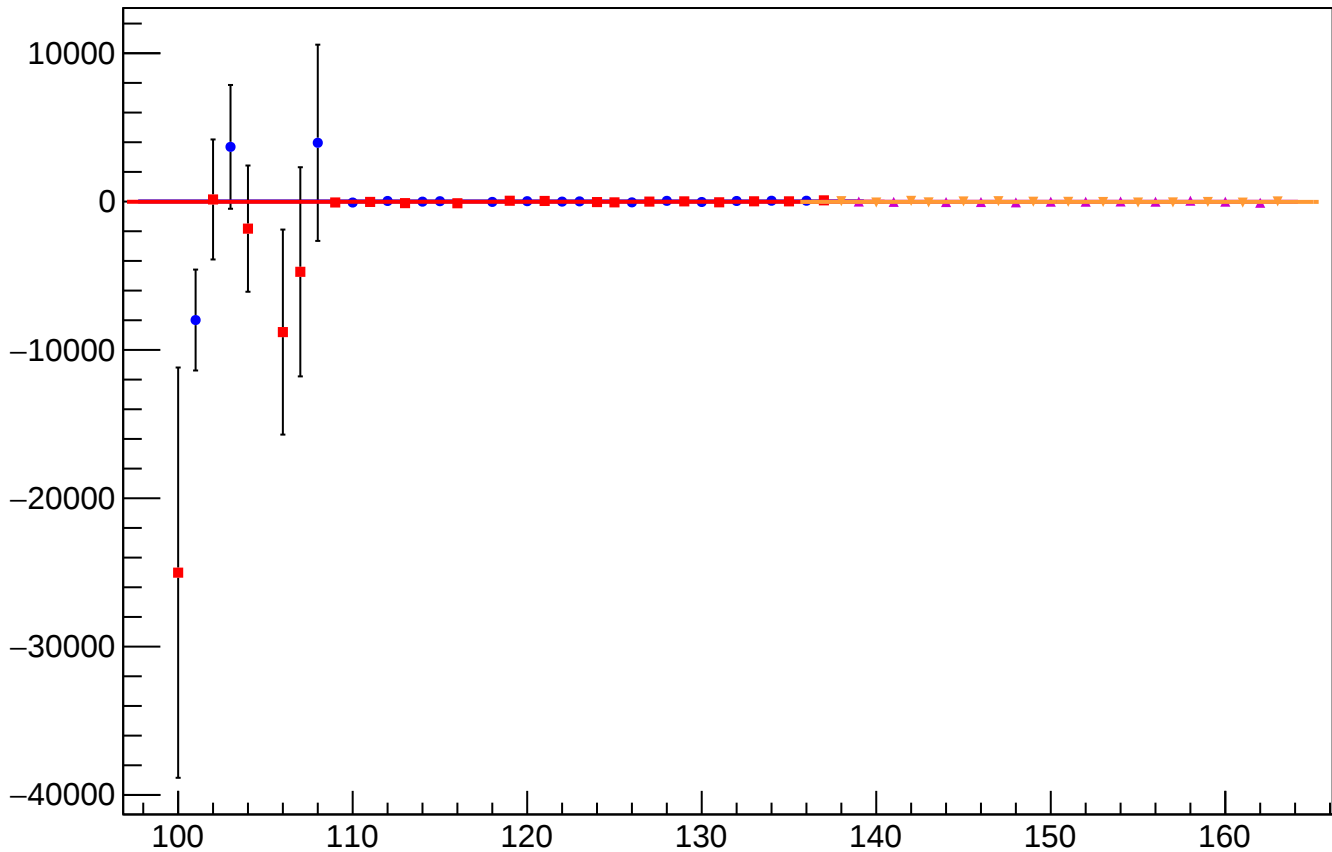
Left In: 182.789+/-0.044 χ^2/NDF : 1279944.0/11

+ sign 214.822+/-0.040 χ^2/NDF : 4714817.5/30

All: 194.660+/-0.026 χ^2/NDF : 10667092.0/63

- sign 179.218+/-0.035 χ^2/NDF : 5504441.0/30

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: -21.098+/-9.108 χ^2/NDF : 15.4/13

Right Out: -12.947+/-12.227 χ^2/NDF : 24.4/18

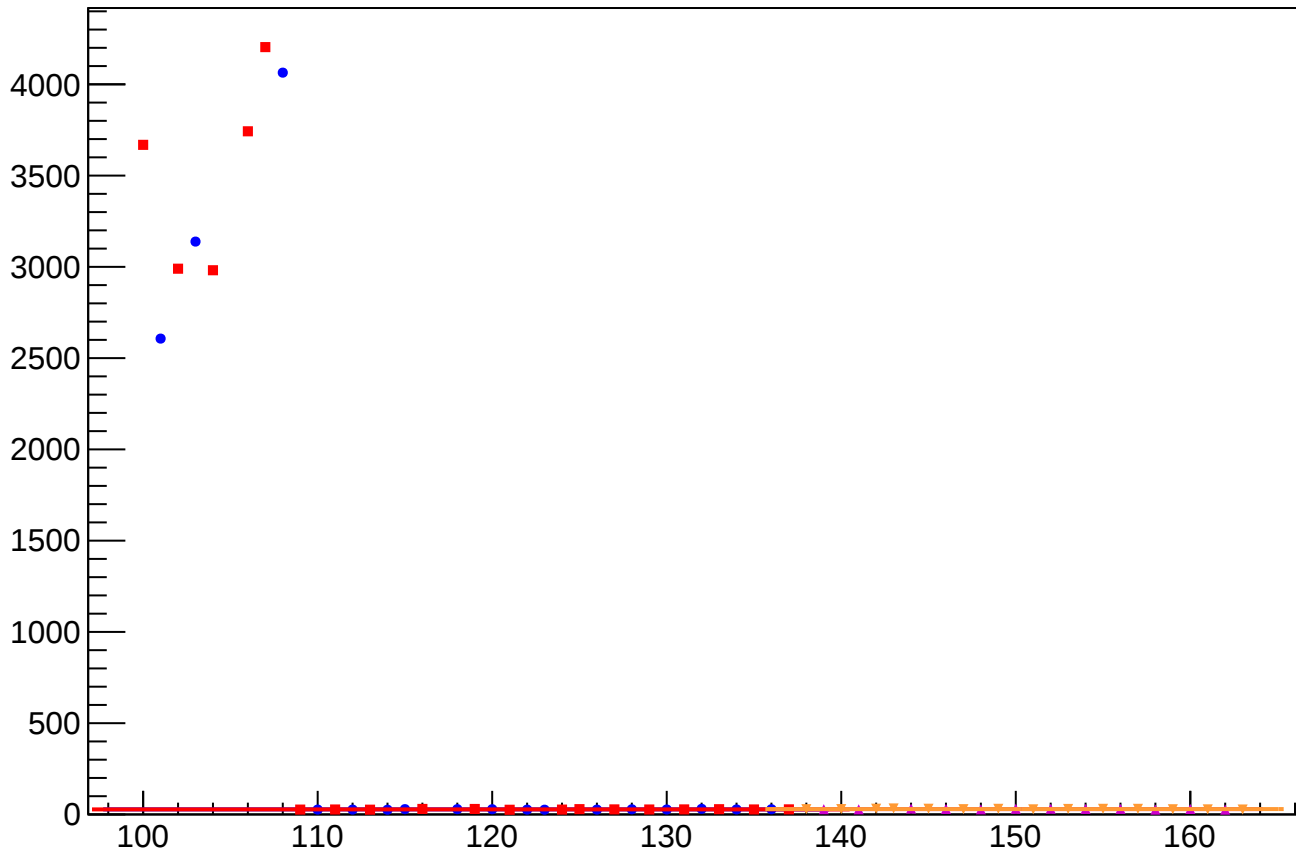
Left In: -13.414+/-9.467 χ^2/NDF : 13.8/11

+ sign -9.813+/-7.296 χ^2/NDF : 38.0/30

All: -11.482+/-5.225 χ^2/NDF : 76.3/61

- sign -13.239+/-7.485 χ^2/NDF : 38.2/30

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: 29.472 $\pm$ 0.006 χ^2 /NDF: 58020.5/13

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

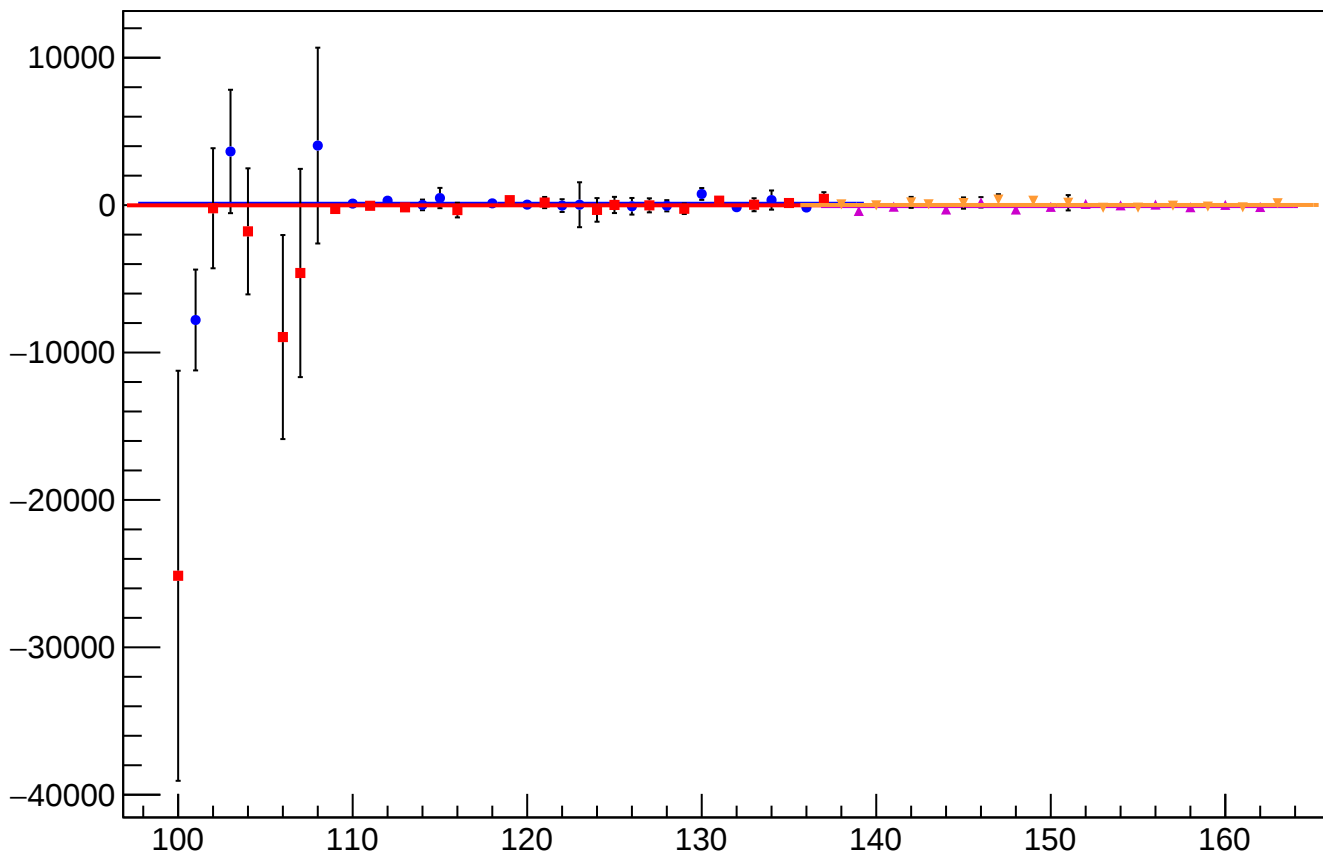
Left In: 29.396 $\pm$ 0.007 χ^2 /NDF: 79155.8/11

+ sign 28.886 $\pm$ 0.005 χ^2 /NDF: 3108015.9/30

All: 28.824 $\pm$ 0.004 χ^2 /NDF: 6688492.5/61

- sign 28.758 $\pm$ 0.005 χ^2 /NDF: 3580175.6/30

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: 10.645 $\pm$ 74.021 χ^2 /NDF: 4.7/13

Right Out: -12.772 $\pm$ 80.640 χ^2 /NDF: 12.7/18

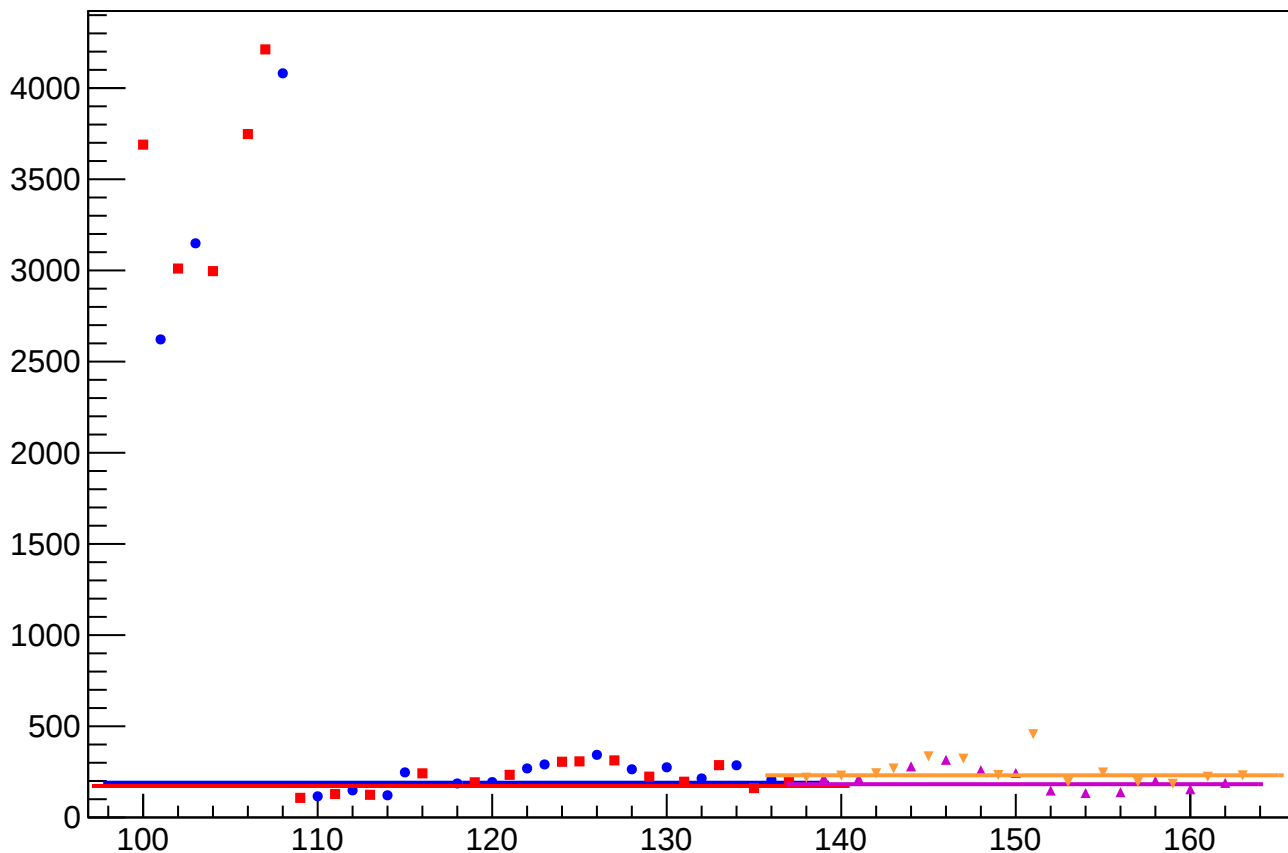
Left In: -65.088 $\pm$ 62.566 χ^2 /NDF: 4.7/11

+ sign 44.995 $\pm$ 56.474 χ^2 /NDF: 17.8/30

All: -6.203 $\pm$ 37.196 χ^2 /NDF: 36.9/61

- sign -45.429 $\pm$ 49.432 χ^2 /NDF: 17.6/30

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: 231.249+/-0.052 χ^2/NDF : 893378.5/13

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

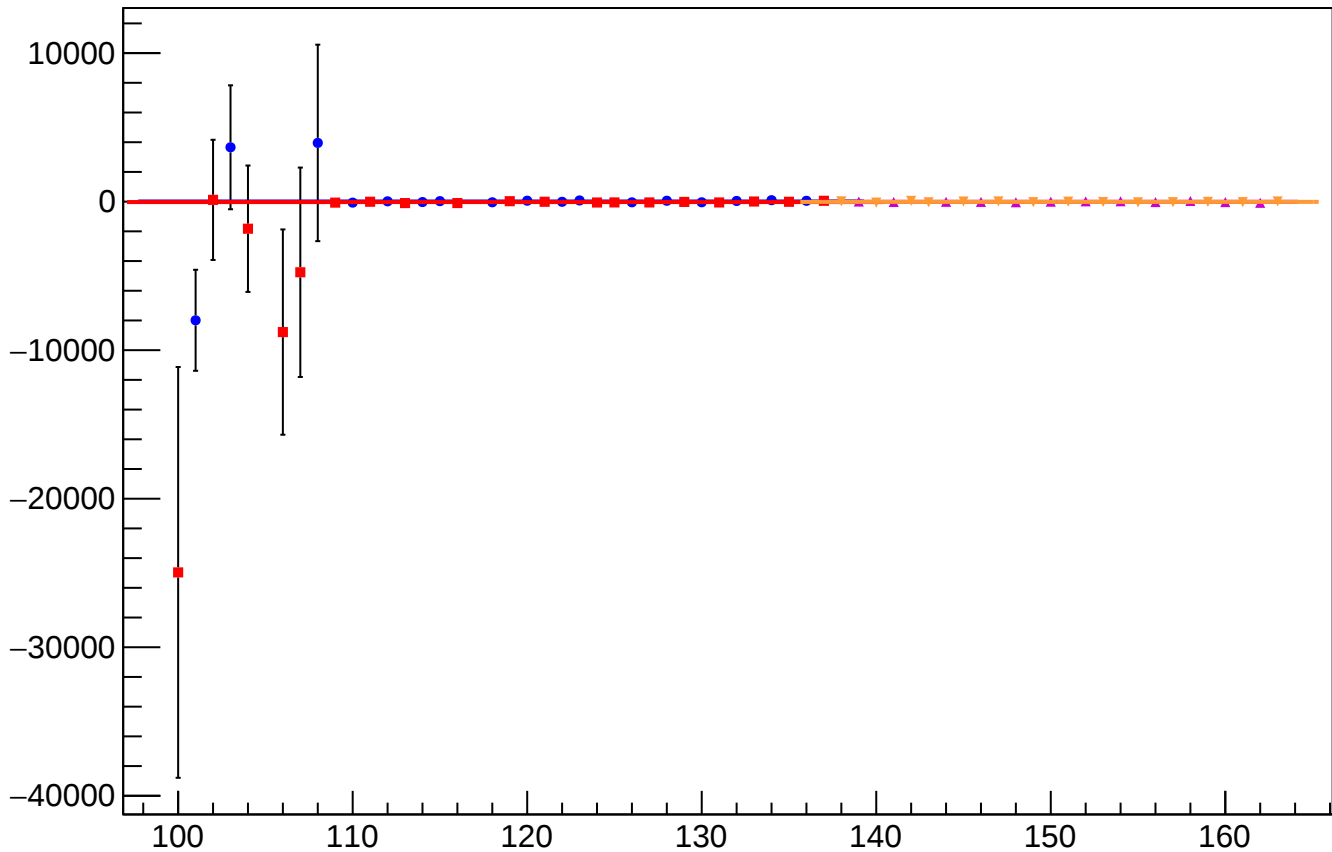
Left In: 182.434+/-0.044 χ^2/NDF : 1280208.3/11

+ sign 214.213+/-0.040 χ^2/NDF : 4730438.4/30

All: 194.128+/-0.026 χ^2/NDF : 10694406.4/63

- sign 178.739+/-0.035 χ^2/NDF : 5517153.6/30

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.600 ± 12.273 χ^2/NDF : 23.2/16

Left Out: -16.053 ± 9.186 χ^2/NDF : 10.0/13

Right Out: -29.627 ± 12.328 χ^2/NDF : 16.5/18

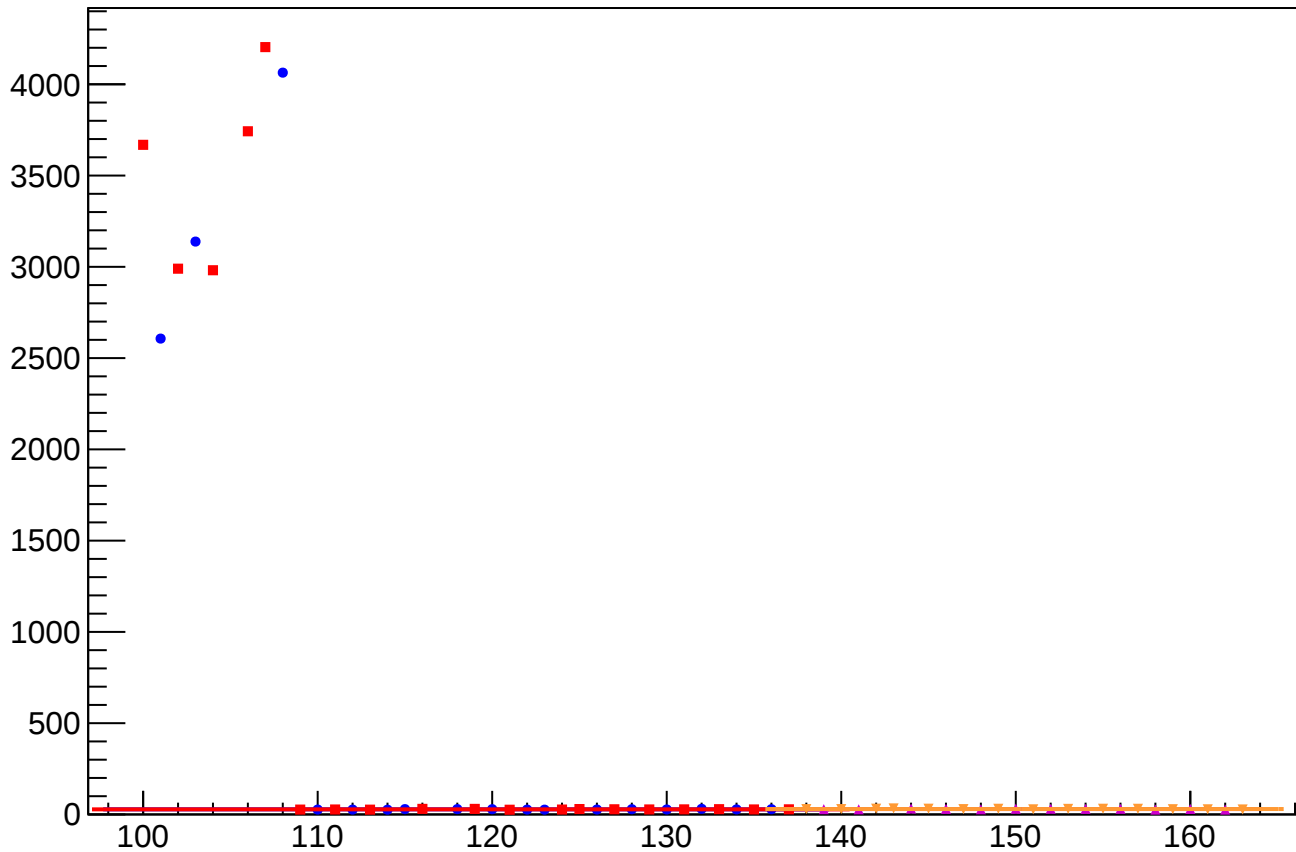
Left In: -10.939 ± 9.528 χ^2/NDF : 12.6/11

+ sign -6.842 ± 7.354 χ^2/NDF : 36.0/30

All: -12.247 ± 5.264 χ^2/NDF : 67.7/61

- sign -17.927 ± 7.539 χ^2/NDF : 30.6/30

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.023 $\pm$ 0.009 χ^2 /NDF: 3027003.0/16

Left Out: 29.722 $\pm$ 0.006 χ^2 /NDF: 58198.2/13

Right Out: 27.917 $\pm$ 0.009 χ^2 /NDF: 3479610.6/18

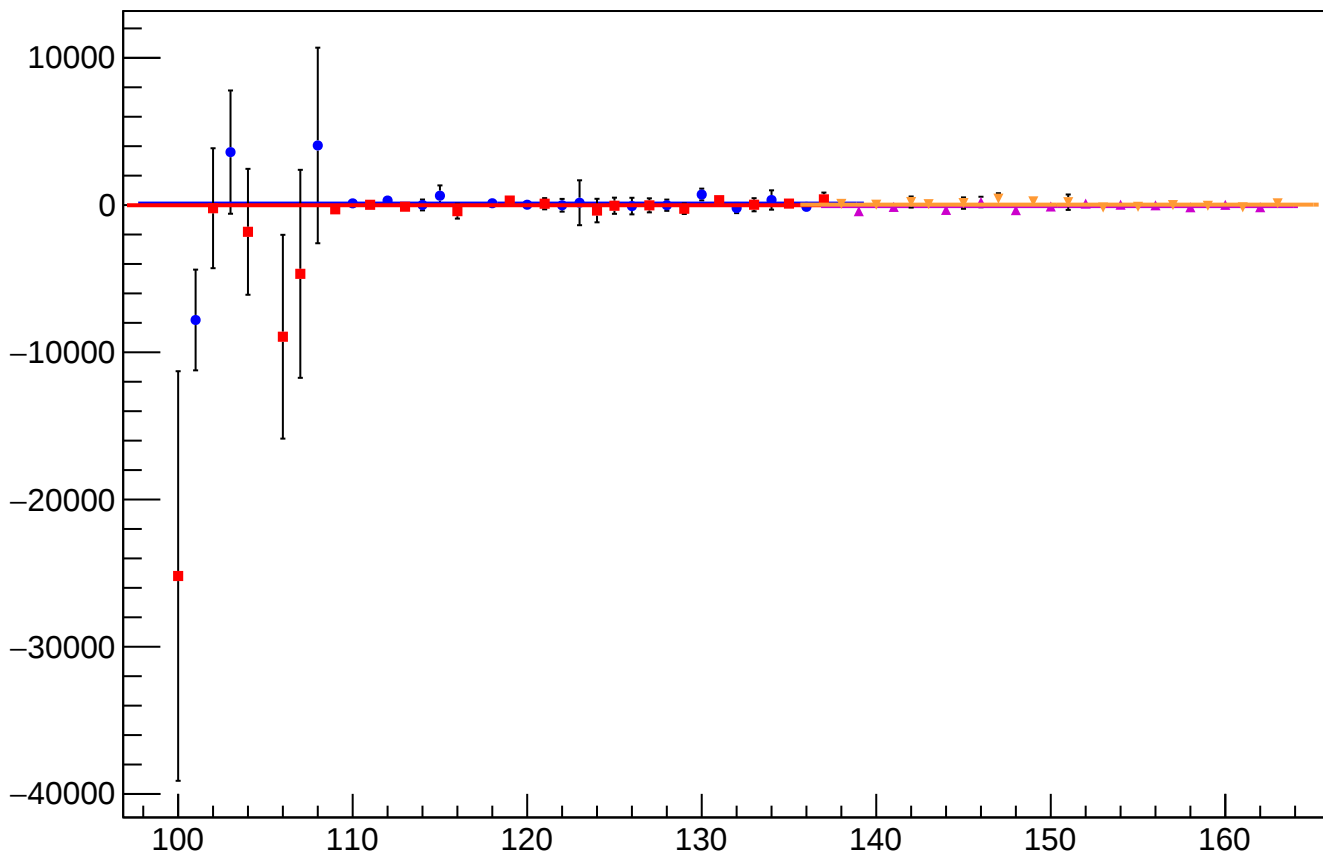
Left In: 29.589 $\pm$ 0.007 χ^2 /NDF: 79283.8/11

+ sign 29.112 $\pm$ 0.005 χ^2 /NDF: 3109757.1/30

All: 29.040 $\pm$ 0.004 χ^2 /NDF: 6692087.7/61

- sign 28.964 $\pm$ 0.005 χ^2 /NDF: 3581937.9/30

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: 30.226 $\pm$ 74.881 χ^2 /NDF: 4.1/13

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

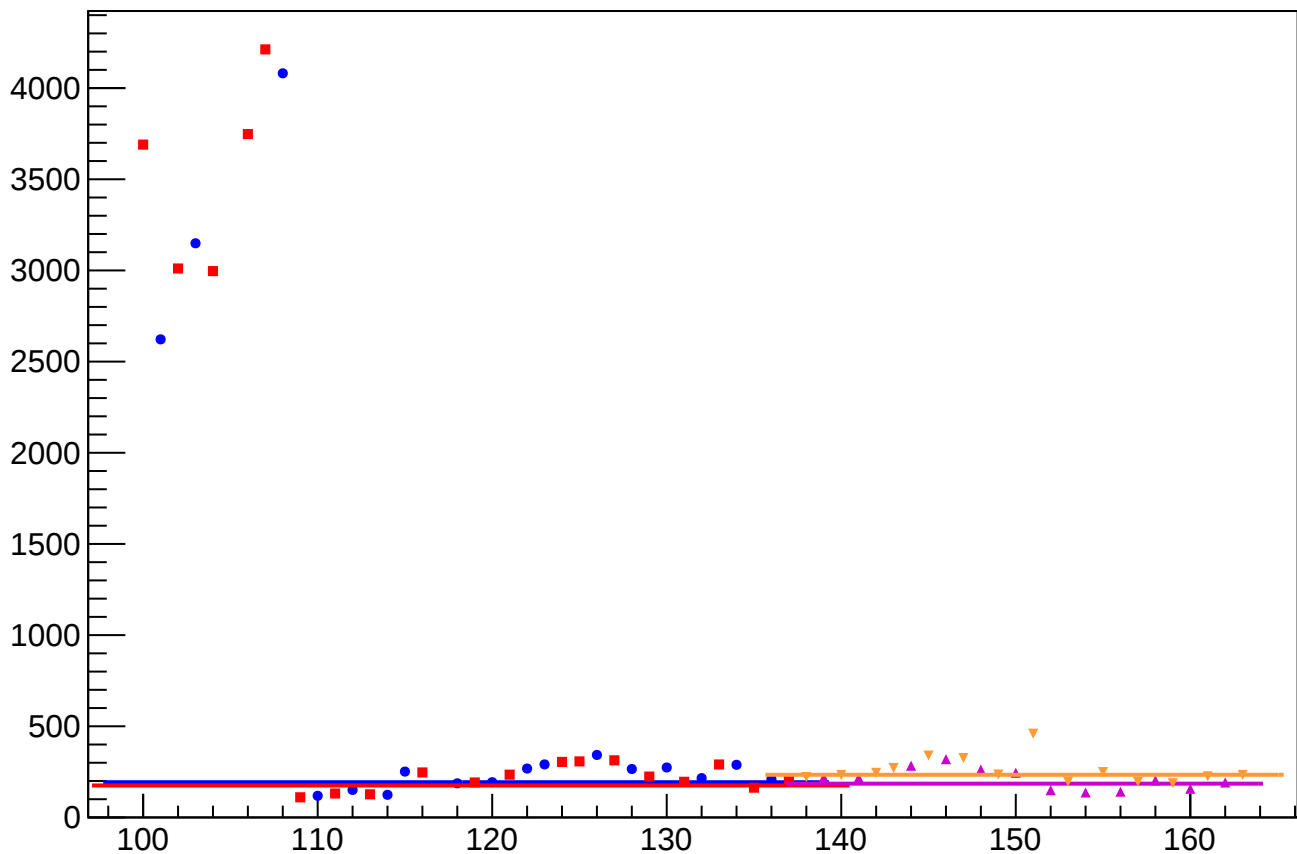
Left In: -70.317 $\pm$ 63.488 χ^2 /NDF: 5.5/11

+ sign 60.119 $\pm$ 57.135 χ^2 /NDF: 16.9/30

All: -1.008 $\pm$ 37.685 χ^2 /NDF: 37.0/61

- sign -48.080 $\pm$ 50.137 χ^2 /NDF: 18.0/30

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: 234.059+/-0.053 χ^2/NDF : 883904.9/13

Right Out: 175.485+/-0.058 χ^2/NDF : 4165391.7/18

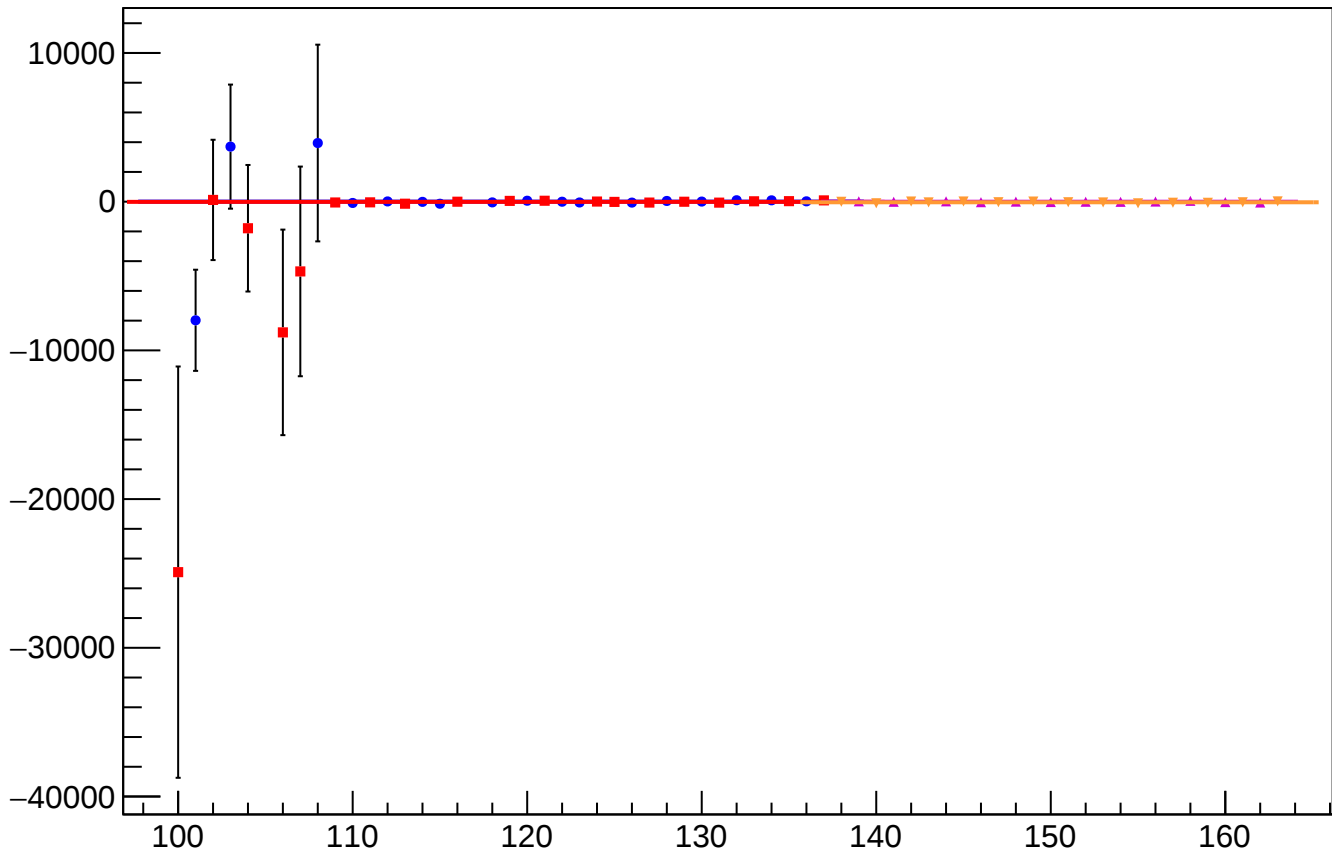
Left In: 185.339+/-0.045 χ^2/NDF : 1254546.4/11

+ sign 216.983+/-0.040 χ^2/NDF : 4668946.8/30

All: 197.010+/-0.027 χ^2/NDF : 10539611.7/63

- sign 181.630+/-0.035 χ^2/NDF : 5438068.6/30

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.651 ± 14.935 χ^2/NDF : 20.4/16

Left Out: -40.194 ± 10.822 χ^2/NDF : 14.3/13

Right Out: -12.487 ± 14.947 χ^2/NDF : 21.7/18

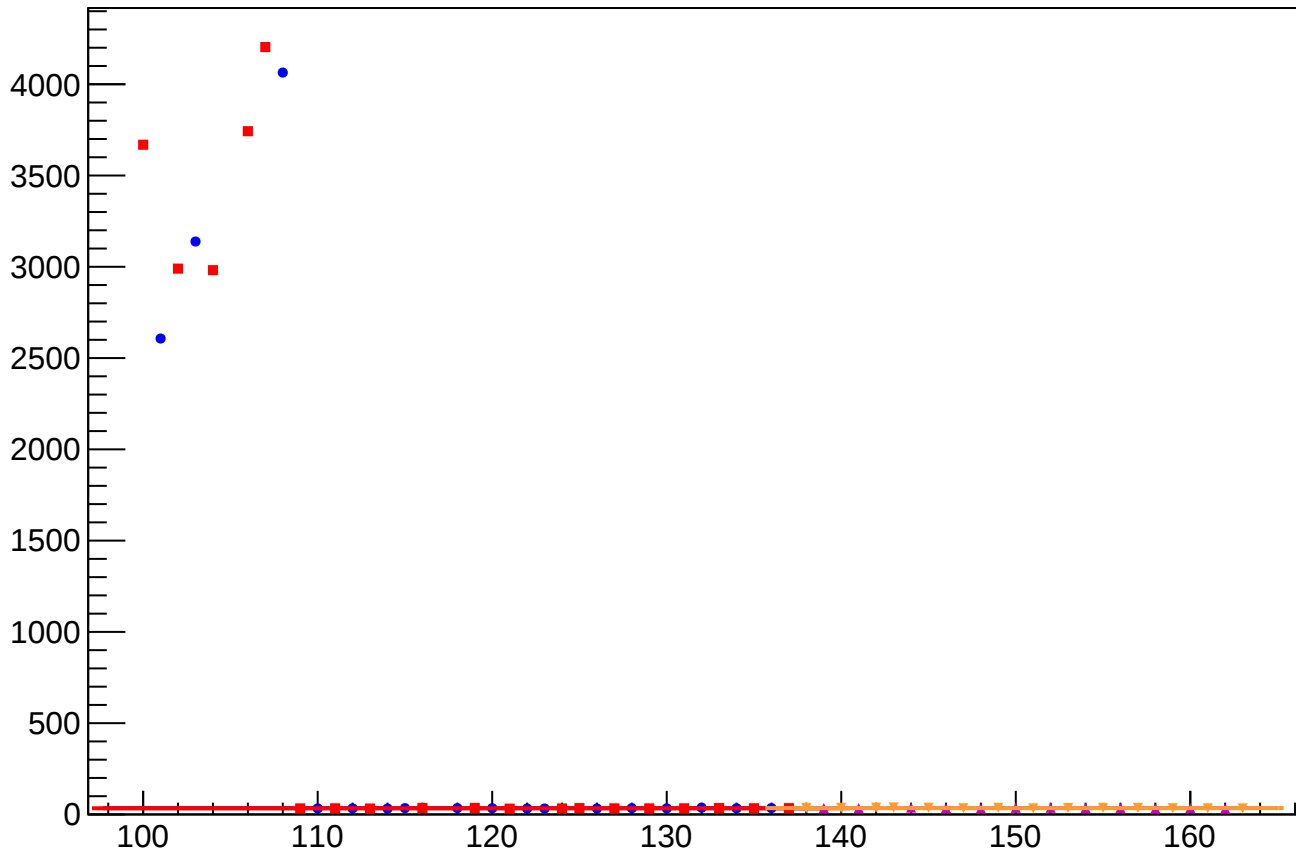
Left In: -3.463 ± 11.263 χ^2/NDF : 7.1/11

+ sign -24.756 ± 8.763 χ^2/NDF : 40.6/30

All: -15.979 ± 6.277 χ^2/NDF : 71.6/61

- sign -6.731 ± 8.995 χ^2/NDF : 29.0/30

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: 35.063 $\pm$ 0.008 χ^2 /NDF:32310.9/13

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

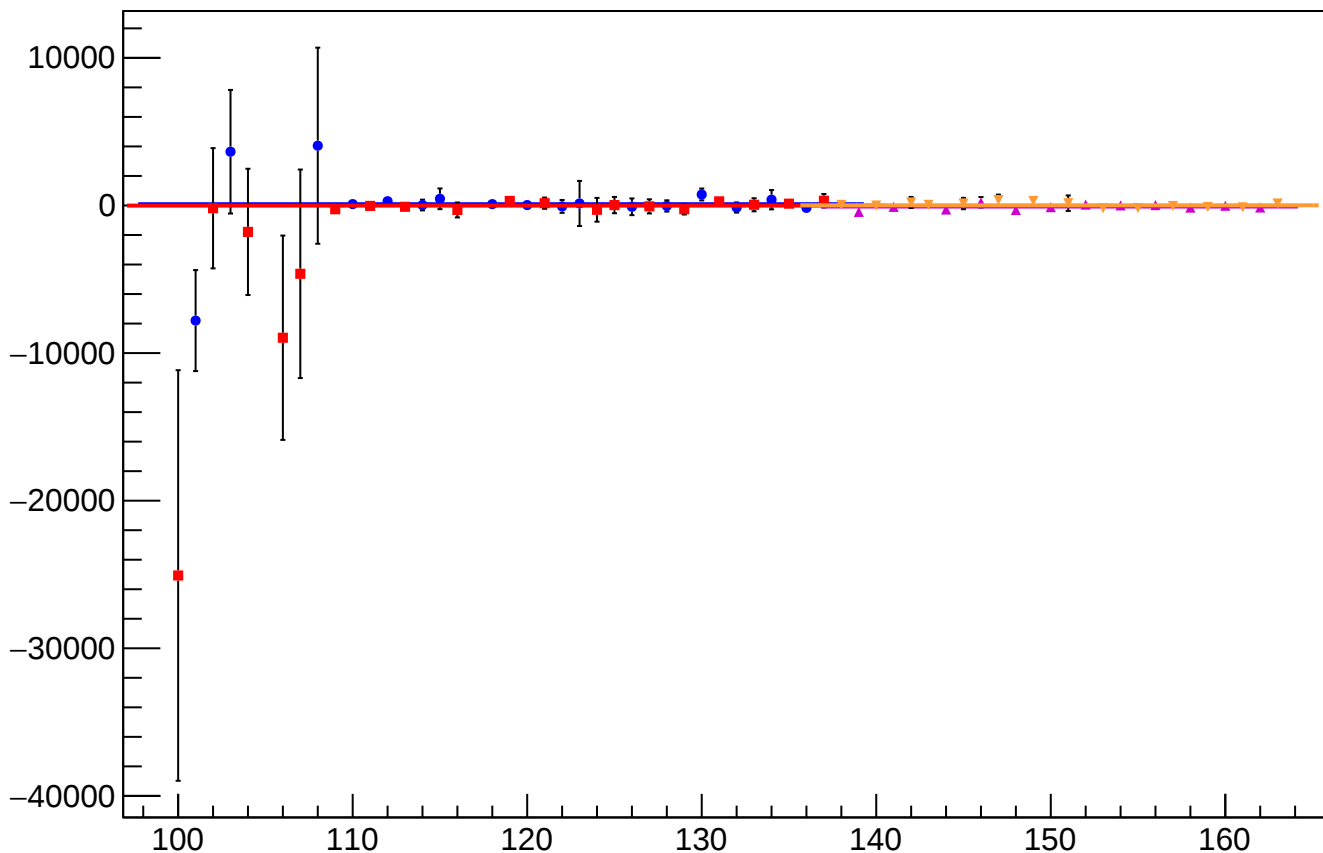
Left In: 35.044 $\pm$ 0.008 χ^2 /NDF:35783.2/11

+ sign 34.745 $\pm$ 0.006 χ^2 /NDF: 3043602.1/30

All: 34.691 $\pm$ 0.004 χ^2 /NDF: 6538742.3/61

- sign 34.634 $\pm$ 0.006 χ^2 /NDF: 3494986.3/30

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.041+/-87.947 χ^2/NDF : 12.4/16

Left Out: 13.441+/-74.683 χ^2/NDF : 4.7/13

Right Out: -7.296+/-81.208 χ^2/NDF : 11.1/18

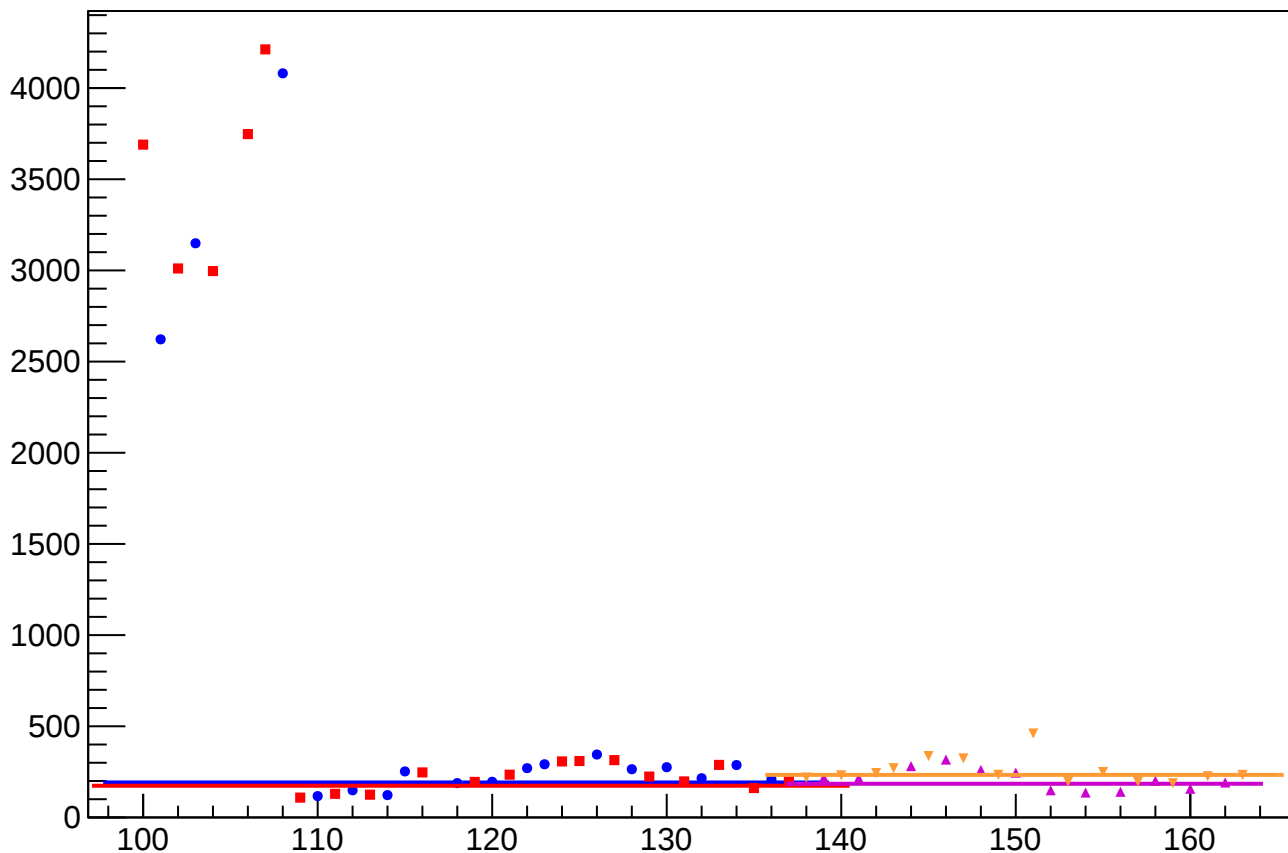
Left In: -70.604+/-63.290 χ^2/NDF : 4.8/11

+ sign 43.858+/-56.927 χ^2/NDF : 17.4/30

All: -7.324+/-37.533 χ^2/NDF : 35.2/61

- sign -46.681+/-49.920 χ^2/NDF : 16.3/30

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 191.880+/-0.062 χ^2/NDF : 3573060.2/16

Left Out: 233.454+/-0.053 χ^2/NDF : 877027.8/13

Right Out: 173.928+/-0.057 χ^2/NDF : 4211385.1/18

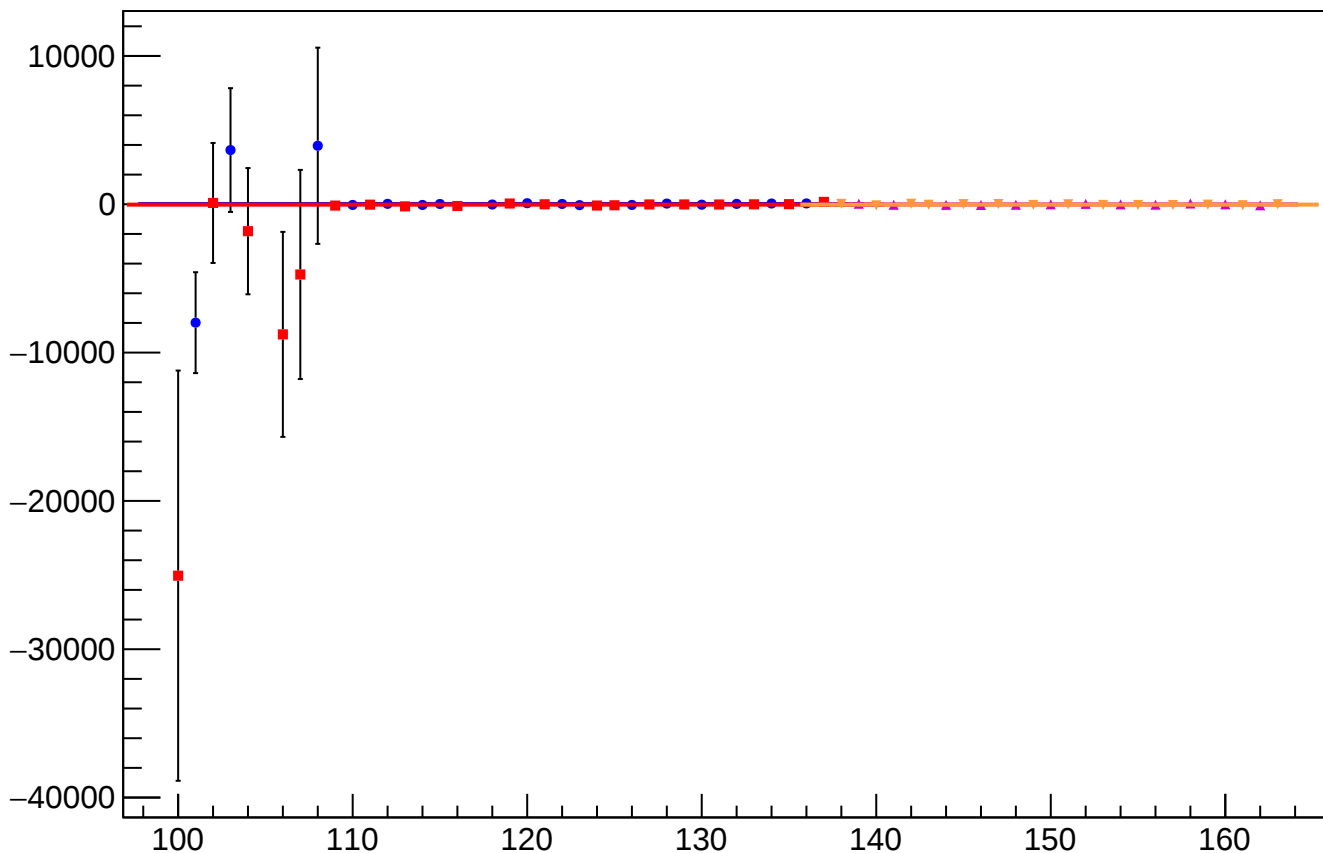
Left In: 184.786+/-0.045 χ^2/NDF : 1240175.2/11

+ sign 216.036+/-0.040 χ^2/NDF : 4709759.5/30

All: 196.051+/-0.027 χ^2/NDF : 10619591.4/63

- sign 180.683+/-0.035 χ^2/NDF : 5473806.9/30

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: -22.705+/-9.815 χ^2/NDF : 11.0/13

Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

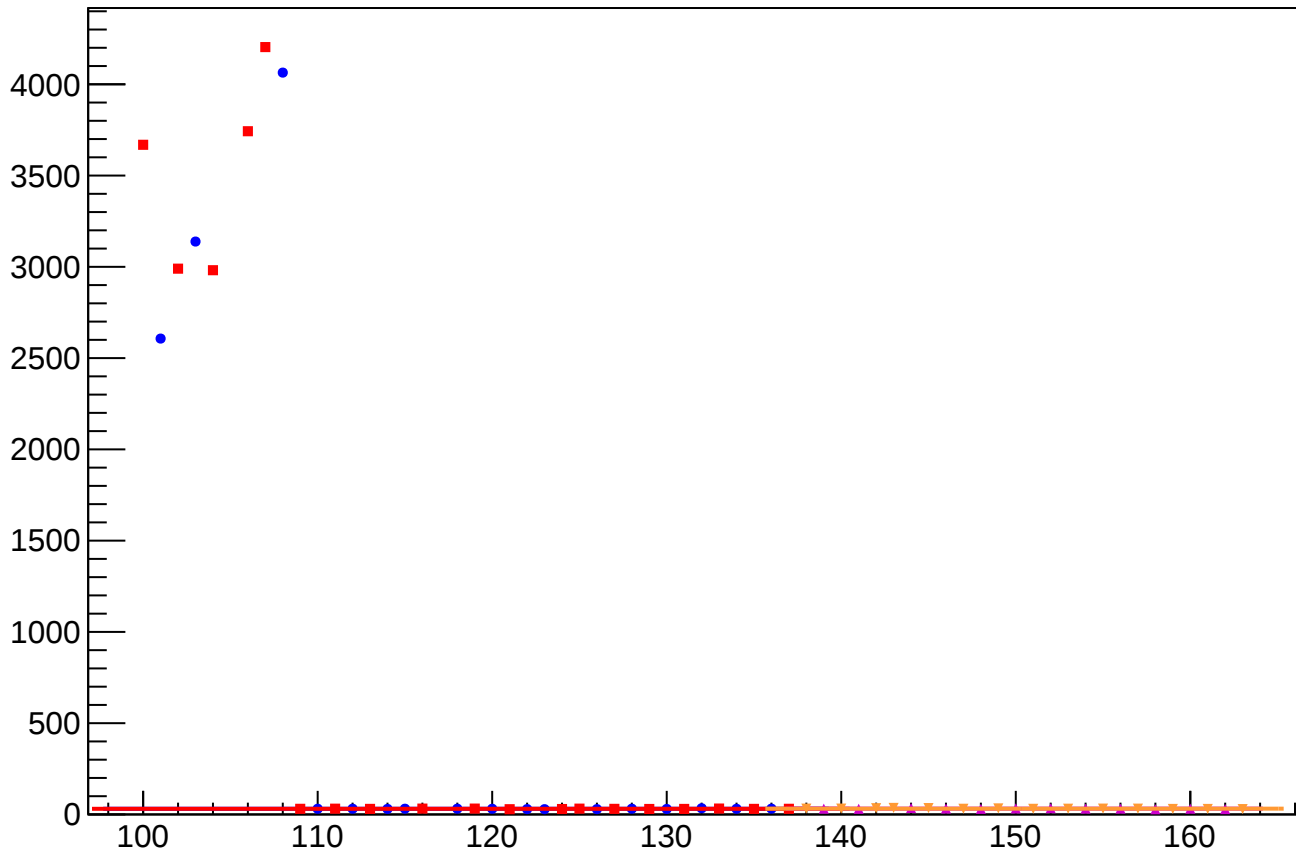
Left In: -10.315+/-10.207 χ^2/NDF : 12.4/11

+ sign -10.115+/-7.962 χ^2/NDF : 31.0/30

All: -12.491+/-5.704 χ^2/NDF : 71.6/61

- sign -14.996+/-8.176 χ^2/NDF : 40.4/30

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: 31.764 $\pm$ 0.007 χ^2 /NDF: 58706.8/13

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

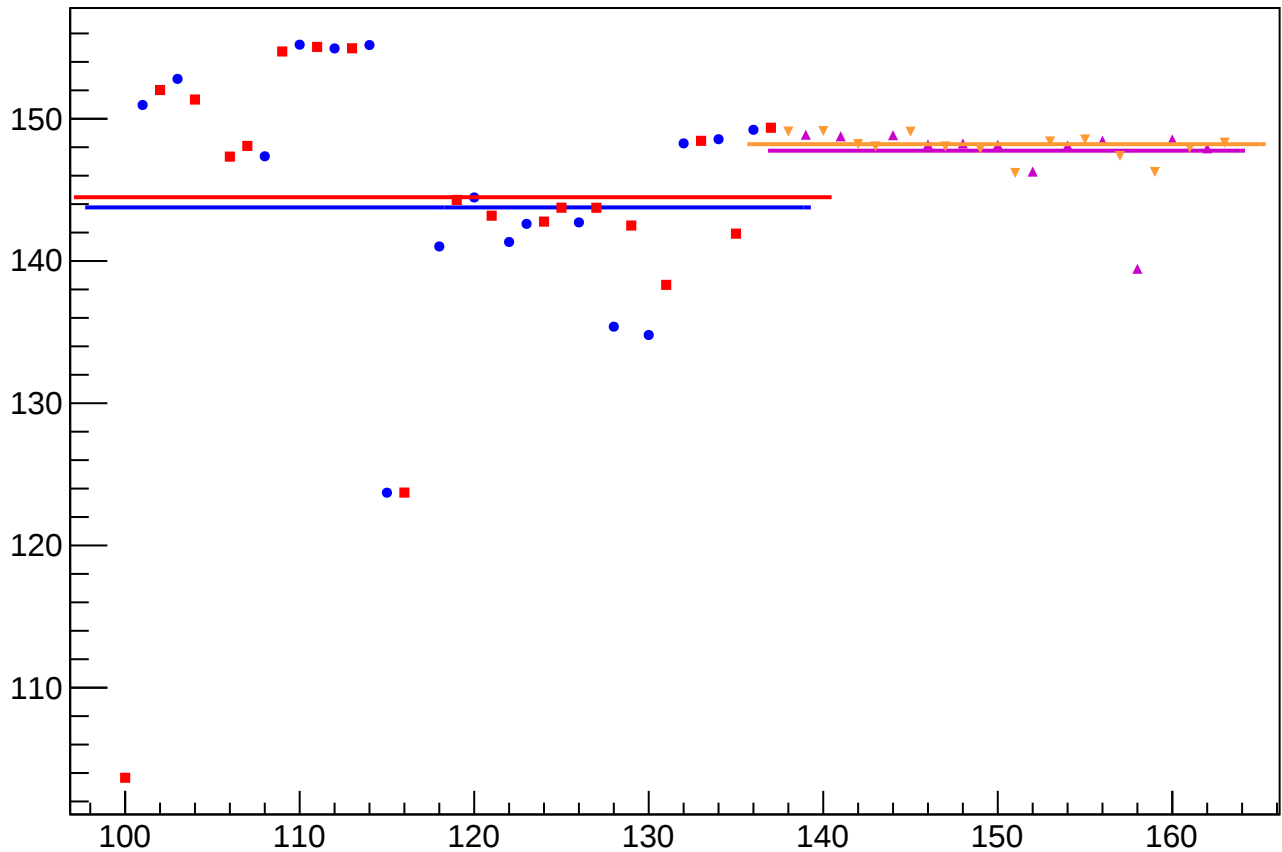
Left In: 31.705 $\pm$ 0.007 χ^2 /NDF: 64852.0/11

+ sign 31.546 $\pm$ 0.006 χ^2 /NDF: 3076018.1/30

All: 31.494 $\pm$ 0.004 χ^2 /NDF: 6603780.9/61

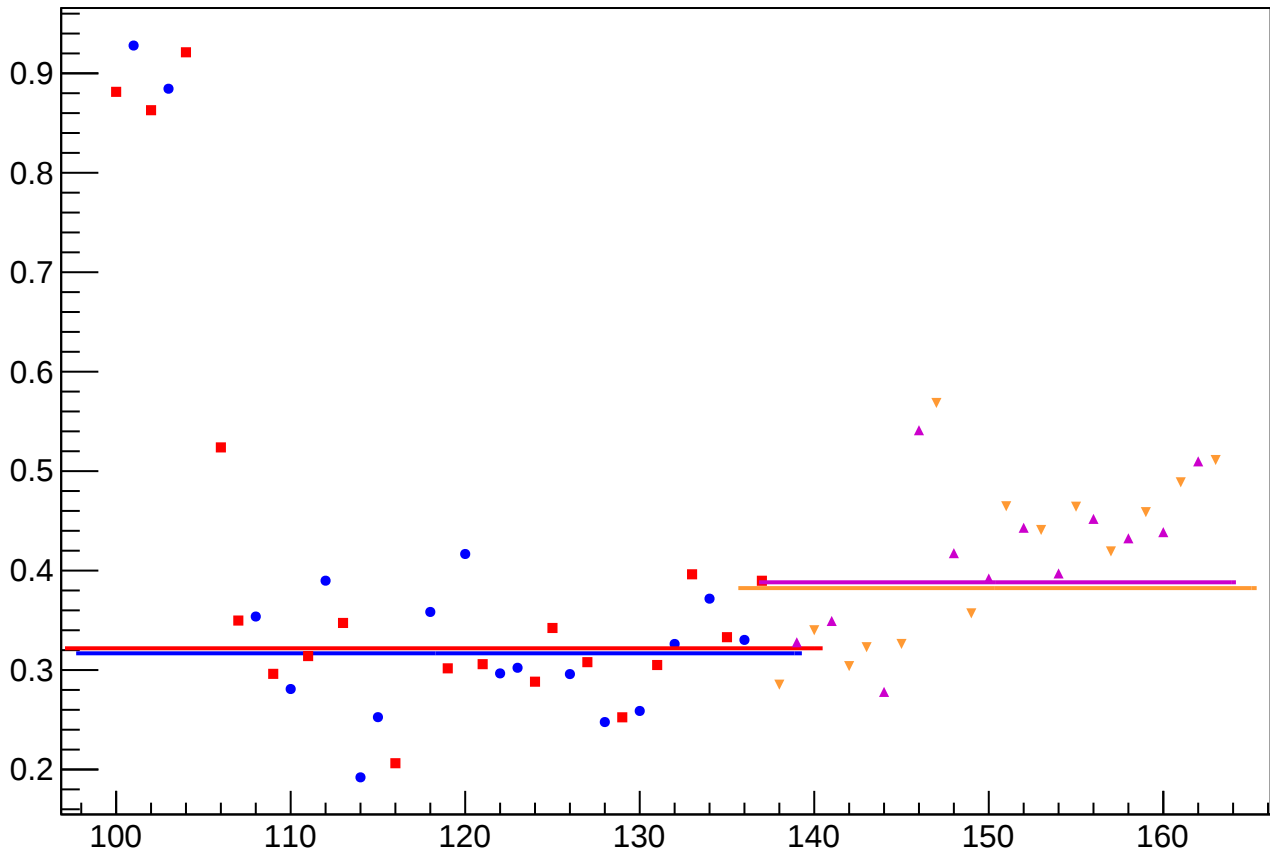
- sign 31.439 $\pm$ 0.006 χ^2 /NDF: 3527586.7/30

yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000	χ^2 /NDF: 3532173868.5/16	+ sign 146.182 $\pm$ 0.000	χ^2 /NDF: 4180148607.9/30
Left Out: 148.215 $\pm$ 0.000	χ^2 /NDF: 50631695.3/13	All: 146.175 $\pm$ 0.000	χ^2 /NDF: 8995110590.9
Right Out: 144.486 $\pm$ 0.000	χ^2 /NDF: 4183608291.3/18	- sign 146.167 $\pm$ 0.000	χ^2 /NDF: 4814948361.2/30
Left In: 147.757 $\pm$ 0.000	χ^2 /NDF: 320135432.7/11		

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1278613.2/16

Left Out: 0.382 $\pm$ 0.000 χ^2 /NDF: 839047.1/13

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1217762.5/18

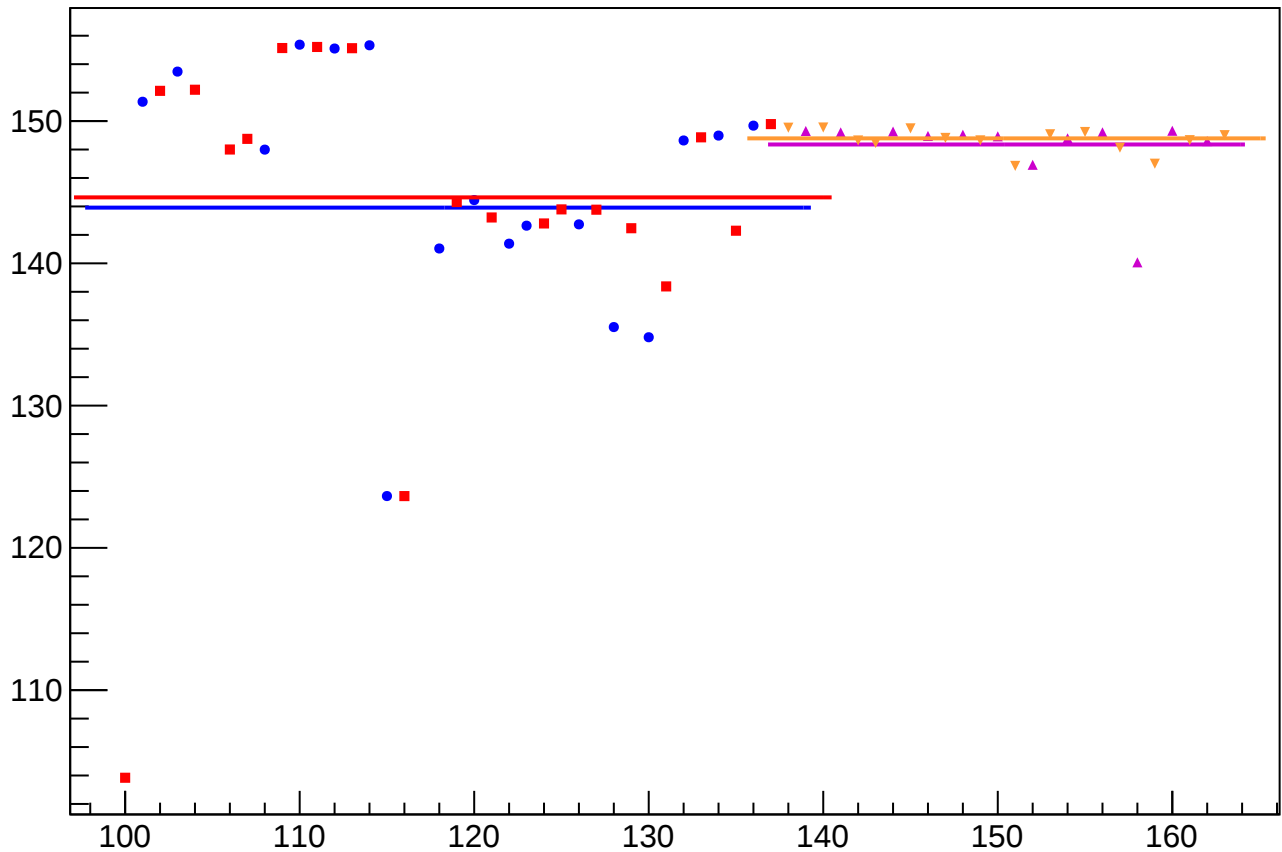
Left In: 0.388 $\pm$ 0.000 χ^2 /NDF: 636564.0/11

+ sign 0.352 $\pm$ 0.000 χ^2 /NDF: 2377468.6/30

All: 0.354 $\pm$ 0.000 χ^2 /NDF: 4489397.4/61

- sign 0.356 $\pm$ 0.000 χ^2 /NDF: 2110424.6/30

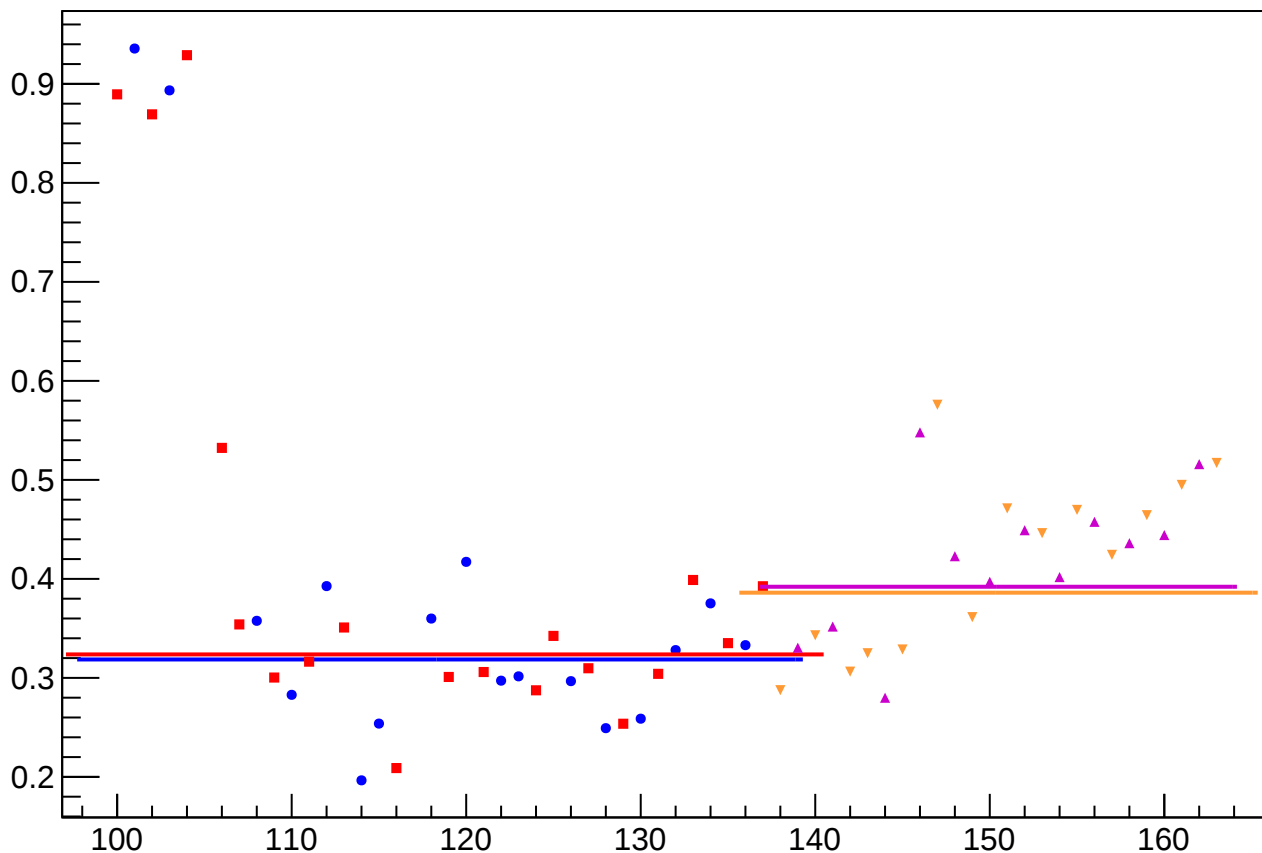
yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16
 Left Out: 148.784 $\pm$ 0.000 χ^2 /NDF: 39849951.0/13
 Right Out: 144.637 $\pm$ 0.000 χ^2 /NDF: 4210524953.9/18
 Left In: 148.355 $\pm$ 0.000 χ^2 /NDF: 309577985.1/11

+ sign 146.548 $\pm$ 0.000 χ^2 /NDF: 4329478498.0/30
 All: 146.544 $\pm$ 0.000 χ^2 /NDF: 9245269740.5
 - sign 146.539 $\pm$ 0.000 χ^2 /NDF: 4915786516.2/30

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 ± 0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.386 ± 0.000 χ^2/NDF : 855194.1/13

Right Out: 0.324 ± 0.000 χ^2/NDF : 1220898.3/18

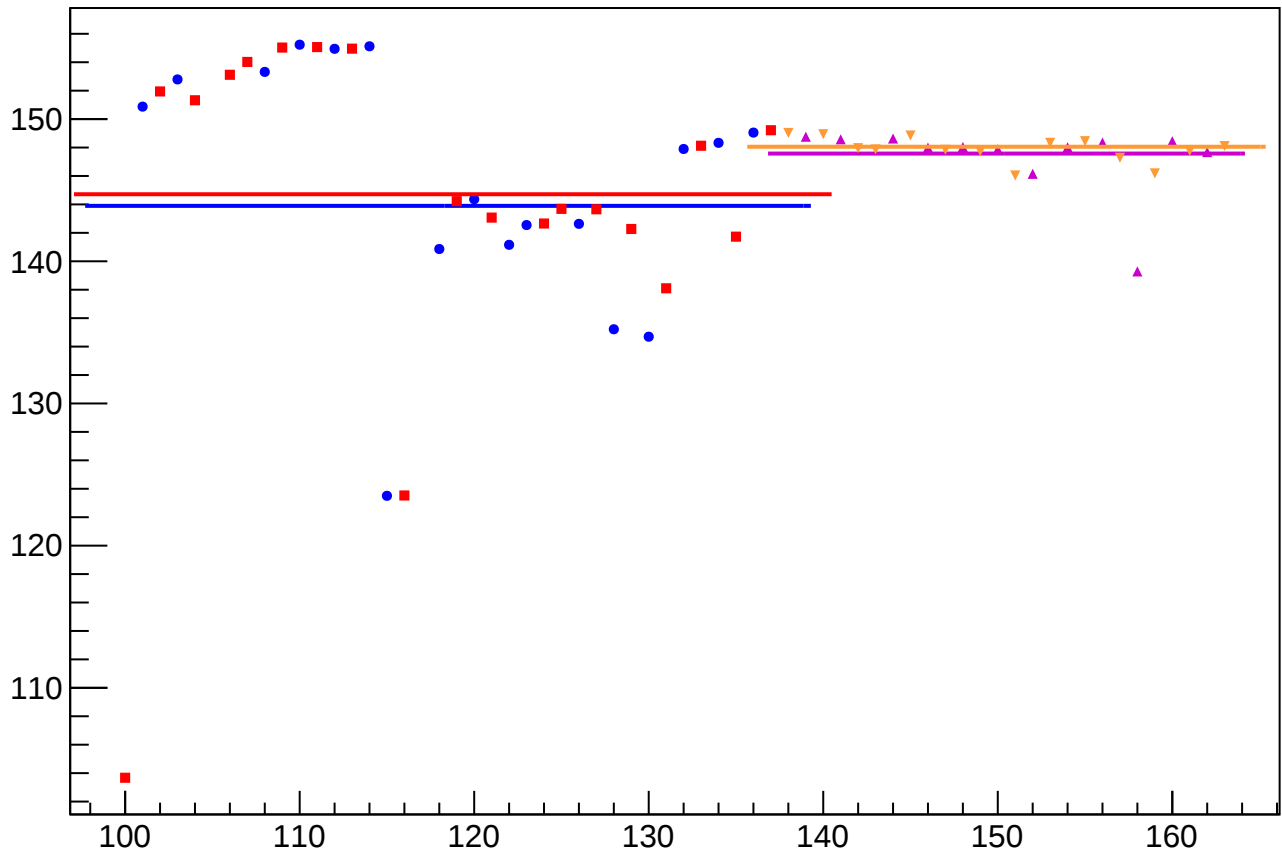
Left In: 0.392 ± 0.000 χ^2/NDF : 650507.8/11

+ sign 0.355 ± 0.000 χ^2/NDF : 2406845.2/30

All: 0.357 ± 0.000 χ^2/NDF : 4547198.5/61

- sign 0.359 ± 0.000 χ^2/NDF : 2138835.6/30

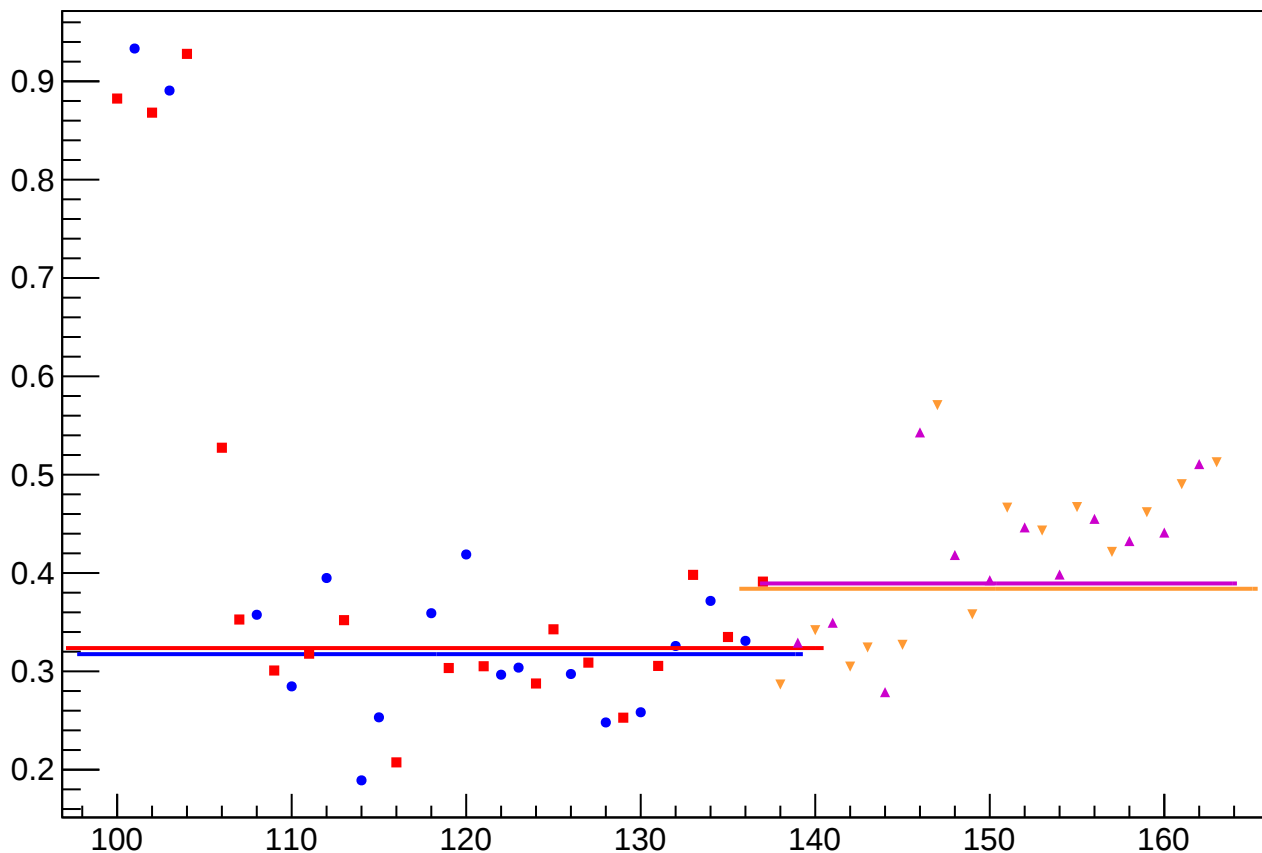
yield_bcm_an_us_mean vs Slug



Right In: 143.899 $\pm$ 0.000 χ^2 /NDF: 3749888331.0/16
 Left Out: 148.056 $\pm$ 0.000 χ^2 /NDF: 48942699.4/13
 Right Out: 144.715 $\pm$ 0.000 χ^2 /NDF: 4474458988.7/18
 Left In: 147.576 $\pm$ 0.000 χ^2 /NDF: 318756342.0/11

+ sign 146.153 $\pm$ 0.000 χ^2 /NDF: 4317400062.5/30
 All: 146.171 $\pm$ 0.000 χ^2 /NDF: 9346686959.8
 - sign 146.189 $\pm$ 0.000 χ^2 /NDF: 5029210273.8/30

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.384 ± 0.000 χ^2/NDF : 840821.9/13

Right Out: 0.324 ± 0.000 χ^2/NDF : 1221676.7/18

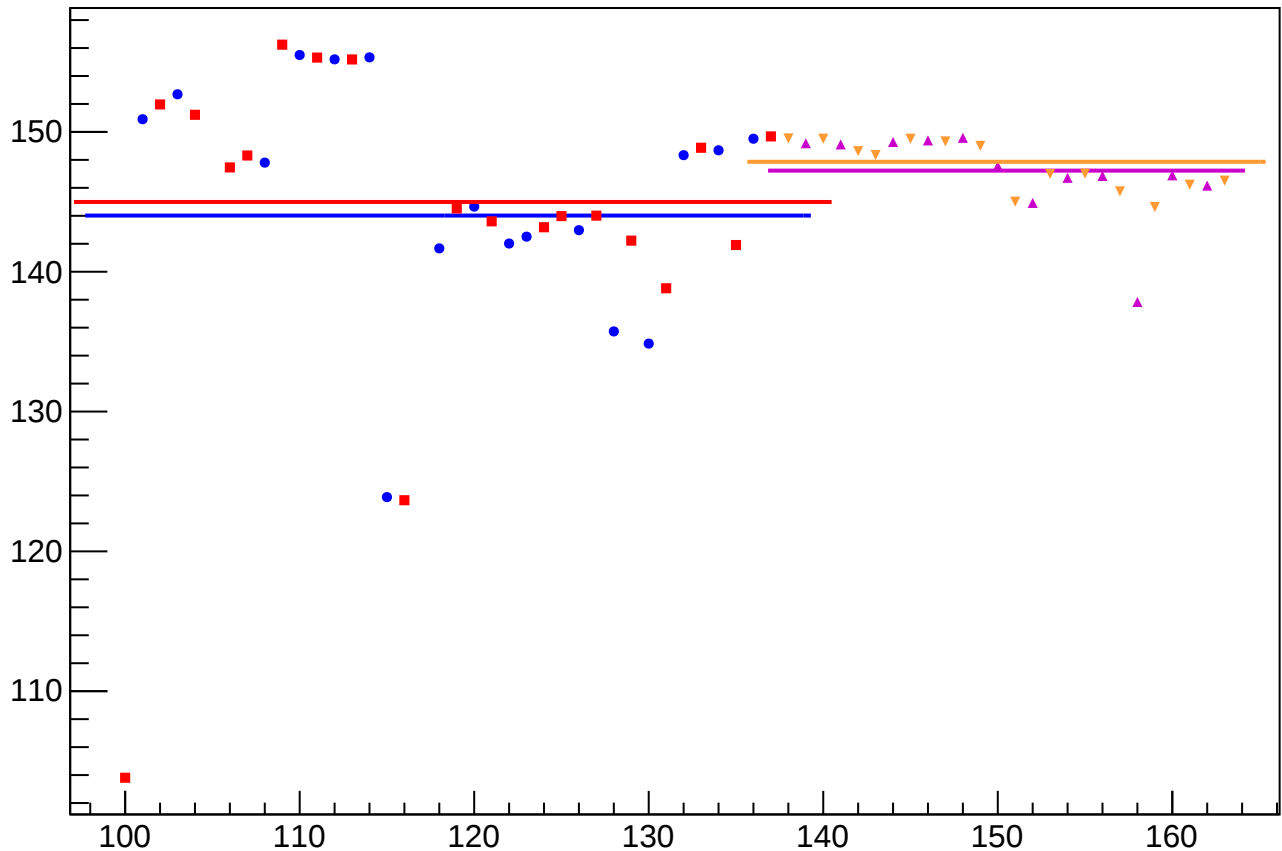
Left In: 0.389 ± 0.000 χ^2/NDF : 639838.1/11

+ sign 0.354 ± 0.000 χ^2/NDF : 2399191.2/30

All: 0.355 ± 0.000 χ^2/NDF : 4511564.4/61

- sign 0.358 ± 0.000 χ^2/NDF : 2110505.3/30

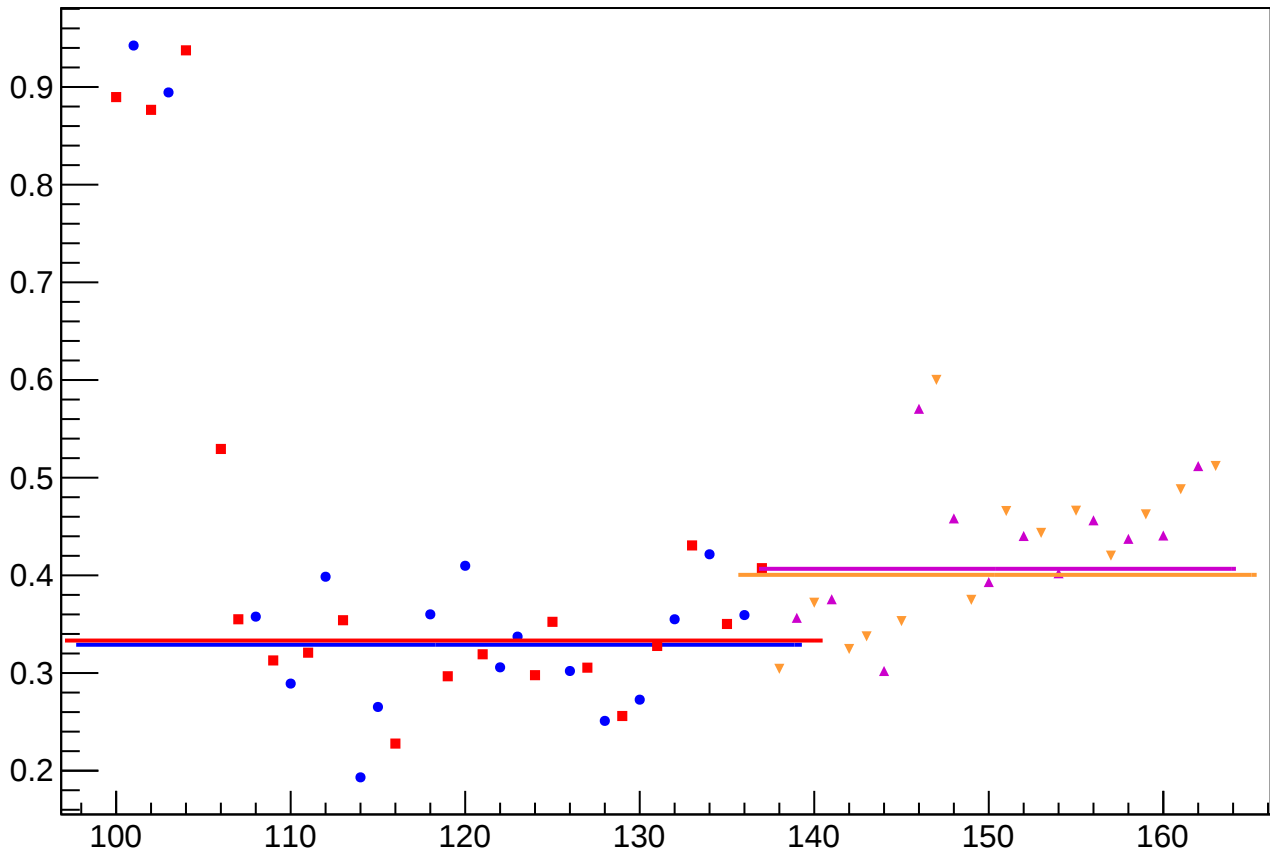
yield_bcm_dg_us_mean vs Slug



Right In: 144.018 $\pm$ 0.000 χ^2 /NDF: 3238525527.6/16
 Left Out: 147.864 $\pm$ 0.000 χ^2 /NDF:170908671.5/13
 Right Out: 144.990 $\pm$ 0.000 χ^2 /NDF: 3853449012.9/18
 Left In: 147.232 $\pm$ 0.000 χ^2 /NDF:482129384.7/11

+ sign 146.098 $\pm$ 0.000 χ^2 /NDF: 3820722295.6/30
 All: 146.115 $\pm$ 0.000 χ^2 /NDF: 8291478460.7
 - sign 146.133 $\pm$ 0.000 χ^2 /NDF: 4470689065.4/30

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.401 ± 0.000 χ^2/NDF : 657949.4/13

Right Out: 0.333 ± 0.000 χ^2/NDF : 1182496.7/18

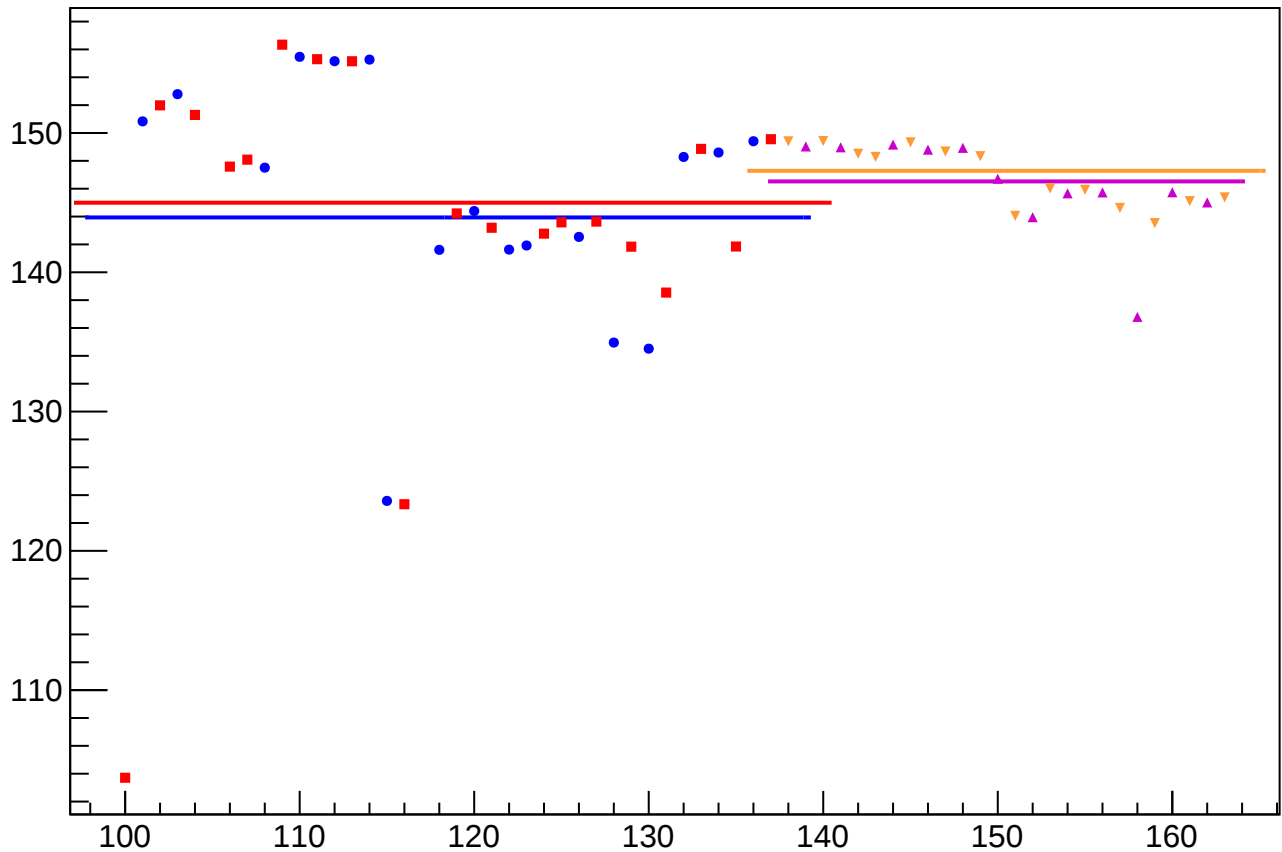
Left In: 0.407 ± 0.000 χ^2/NDF : 492262.0/11

+ sign 0.368 ± 0.000 χ^2/NDF : 2218646.4/30

All: 0.369 ± 0.000 χ^2/NDF : 4184323.2/61

- sign 0.371 ± 0.000 χ^2/NDF : 1964656.4/30

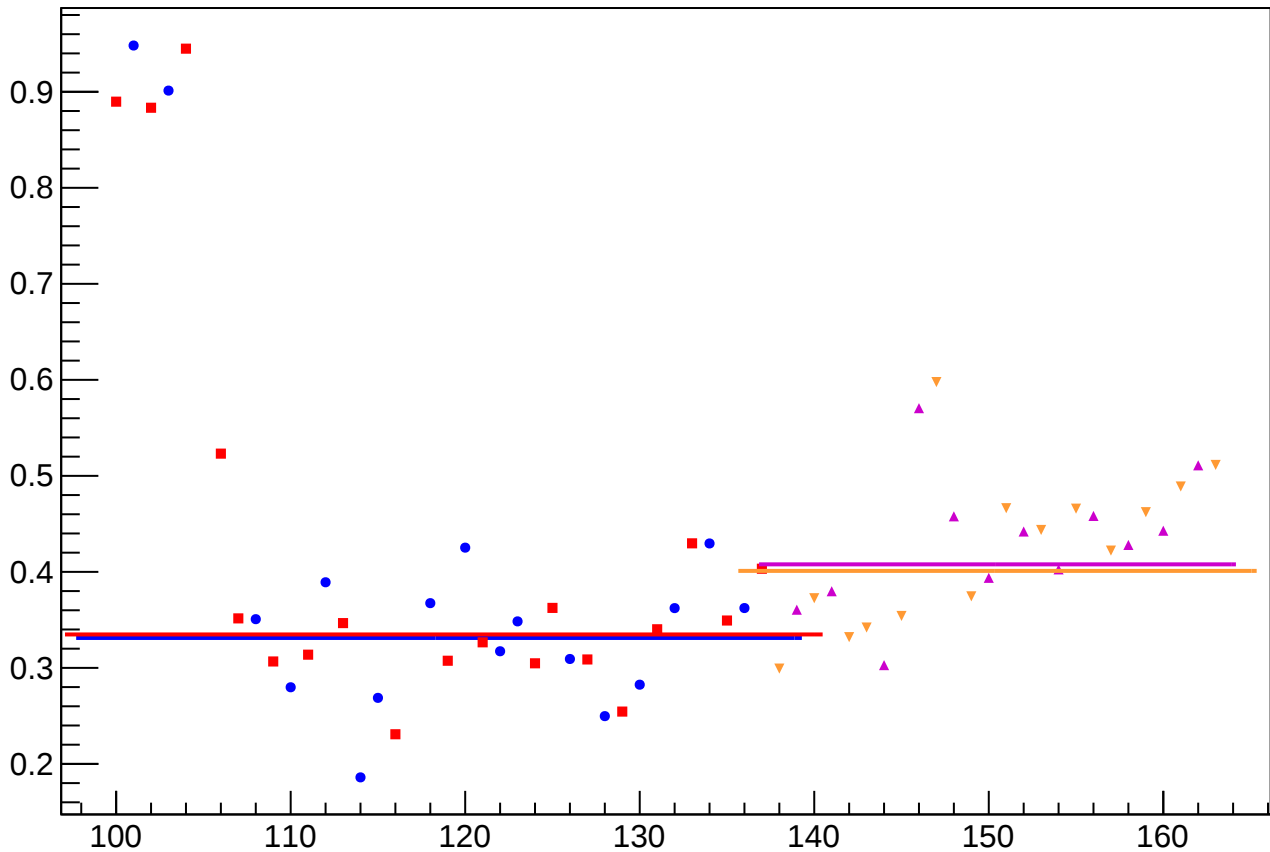
yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16
 Left Out: 147.286 $\pm$ 0.000 χ^2 /NDF: 259587424.2/13
 Right Out: 144.995 $\pm$ 0.000 χ^2 /NDF: 3934069043.2/18
 Left In: 146.524 $\pm$ 0.000 χ^2 /NDF: 588723902.7/11

+ sign 145.759 $\pm$ 0.000 χ^2 /NDF: 3947025011.0/30
 All: 145.767 $\pm$ 0.000 χ^2 /NDF: 8532110260.3
 - sign 145.776 $\pm$ 0.000 χ^2 /NDF: 4585069579.9/30

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 $\pm$ 0.000 χ^2 /NDF: 1295749.0/16

Left Out: 0.401 $\pm$ 0.000 χ^2 /NDF:656571.4/13

Right Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1172239.8/18

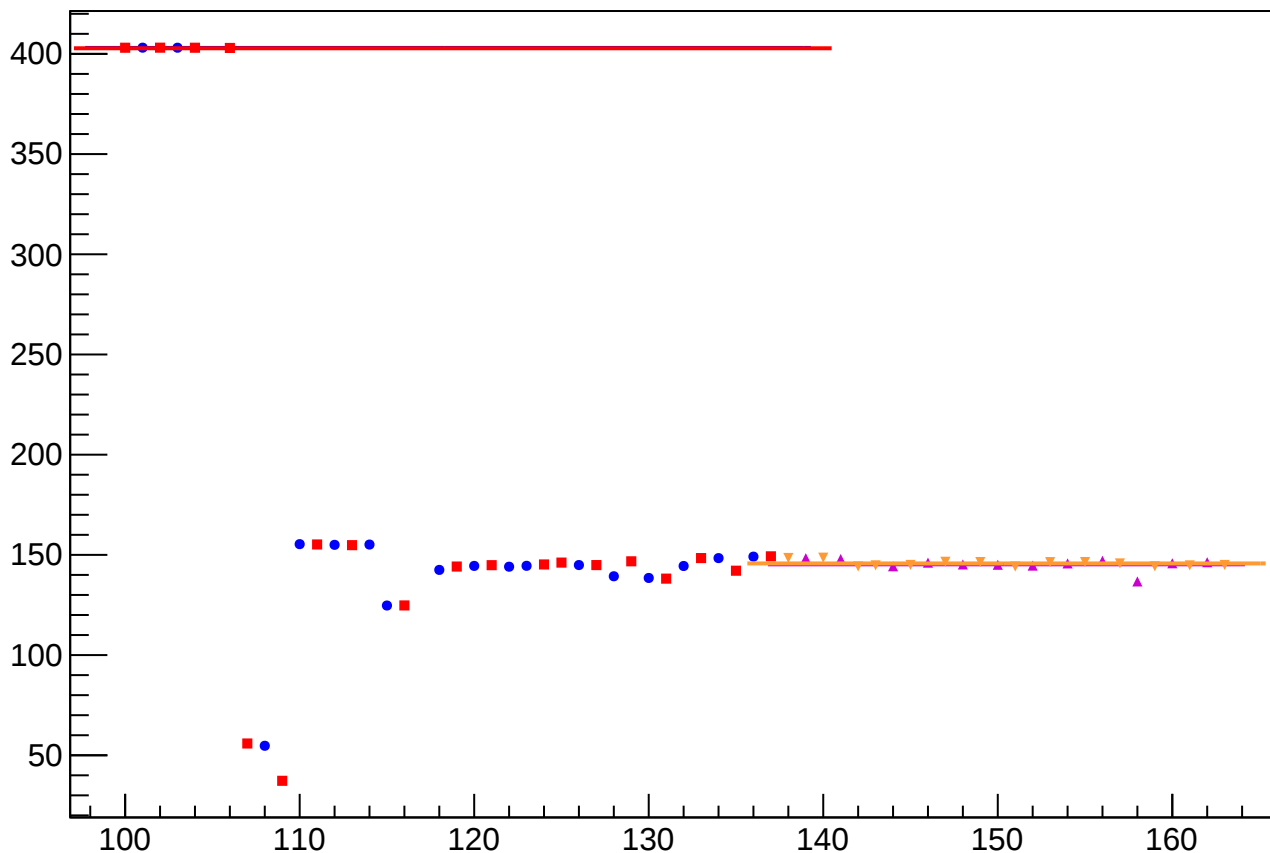
Left In: 0.408 $\pm$ 0.000 χ^2 /NDF:476714.5/11

+ sign 0.369 $\pm$ 0.000 χ^2 /NDF: 2220496.0/30

All: 0.371 $\pm$ 0.000 χ^2 /NDF: 4154393.9/61

- sign 0.372 $\pm$ 0.000 χ^2 /NDF: 1932947.7/30

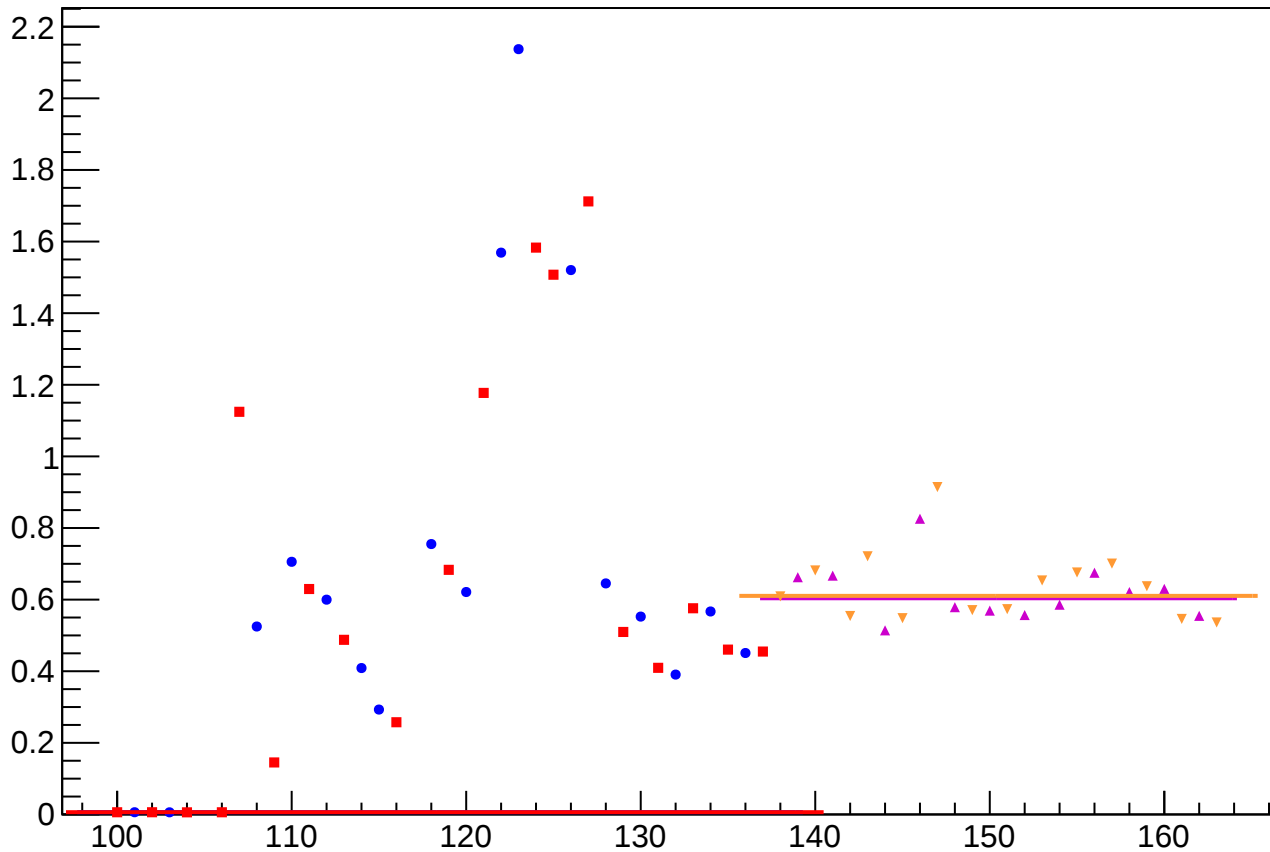
yield_cav4bQ_mean vs Slug



Right In: 402.957 $\pm$ 0.000 χ^2 /NDF: 1096710296821.6/16
 Left Out: 145.731 $\pm$ 0.000 χ^2 /NDF: 40000165.9/13
 Right Out: 402.799 $\pm$ 0.000 χ^2 /NDF: 3103890772575.4/18
 Left In: 145.281 $\pm$ 0.000 χ^2 /NDF: 128890344.2/11

+ sign 402.798 $\pm$ 0.000 χ^2 /NDF: 2374045738119.3
 All: 402.728 $\pm$ 0.000 χ^2 /NDF: 667321877348
 - sign 402.667 $\pm$ 0.000 χ^2 /NDF: 4298889558698.1

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.610+/-0.000 χ^2/NDF : 247826.7/13

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

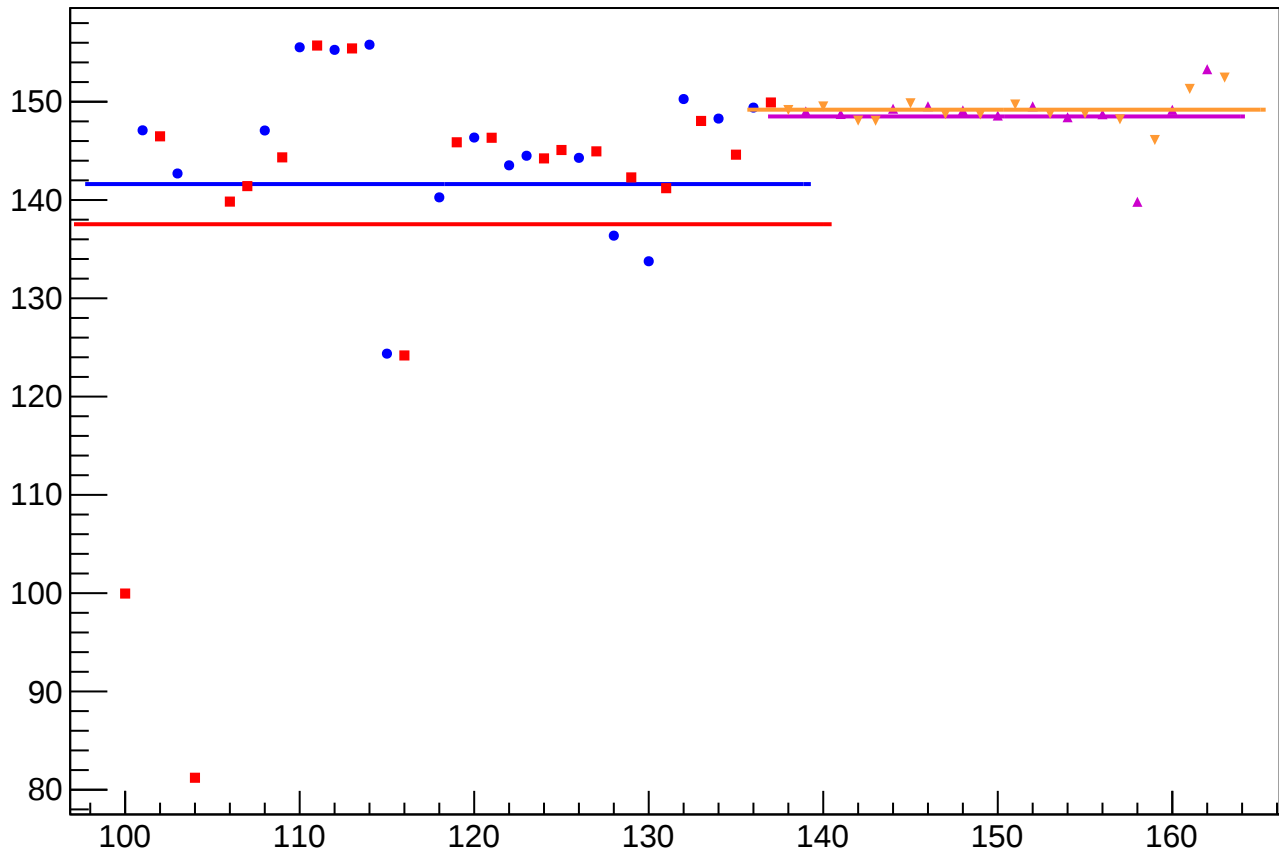
Left In: 0.604+/-0.000 χ^2/NDF : 168539.6/11

+ sign 0.007+/-0.000 χ^2/NDF : 23500628.6/30

All: 0.007+/-0.000 χ^2/NDF : 45744901.3/61

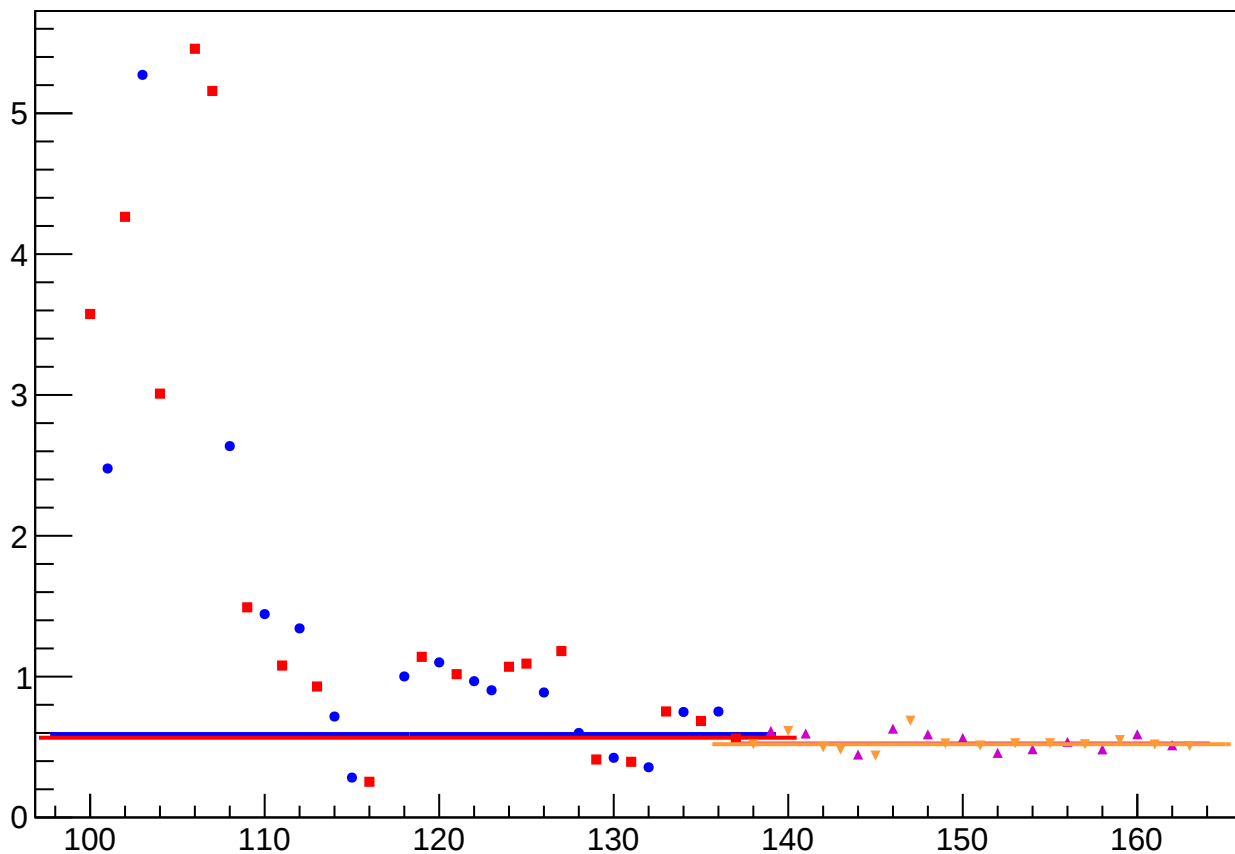
- sign 0.007+/-0.000 χ^2/NDF : 22244058.6/30

yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000	χ^2 /NDF: 982037737.7/16	+ sign 147.450 $\pm$ 0.000	χ^2 /NDF: 1508558009.1/30
Left Out: 149.190 $\pm$ 0.000	χ^2 /NDF: 80176321.2/13	All: 146.596 $\pm$ 0.000	χ^2 /NDF: 4150678171.6
Right Out: 137.536 $\pm$ 0.000	χ^2 /NDF: 1315768553.6/18	- sign 145.687 $\pm$ 0.000	χ^2 /NDF: 2575856185.1/30
Left In: 148.502 $\pm$ 0.000	χ^2 /NDF: 310768141.0/11		

yield_cav4cQ_rms vs Slug



Right In: 0.592 ± 0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.520 ± 0.000 χ^2/NDF : 169294.3/13

Right Out: 0.566 ± 0.000 χ^2/NDF : 4682140.9/18

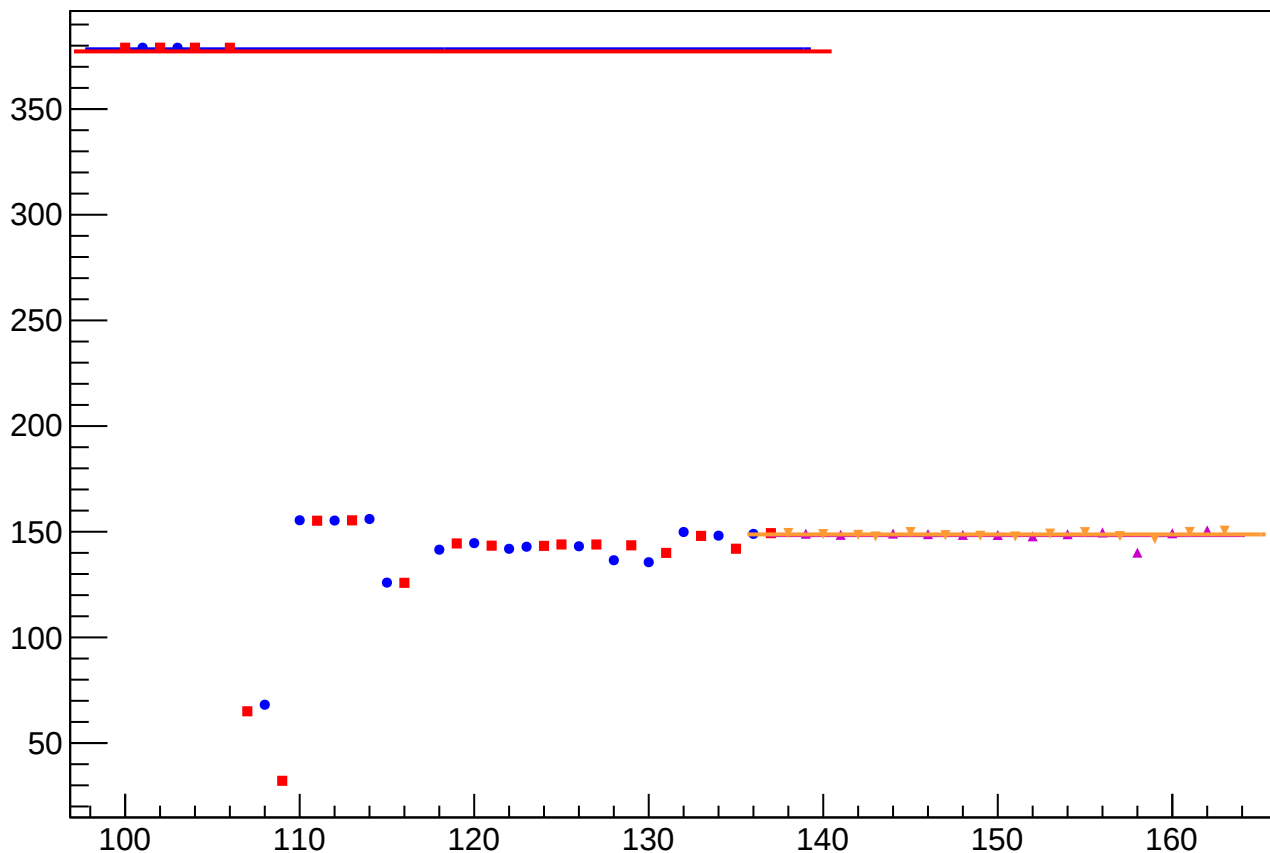
Left In: 0.524 ± 0.000 χ^2/NDF : 221964.7/11

+ sign 0.537 ± 0.000 χ^2/NDF : 3772071.6/30

All: 0.536 ± 0.000 χ^2/NDF : 8703695.2/61

- sign 0.535 ± 0.000 χ^2/NDF : 4931529.7/30

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.734+/-0.000 χ^2/NDF : 51771128.0/13

Right Out: 377.289+/-0.000 χ^2/NDF : 8279468194444.1/18

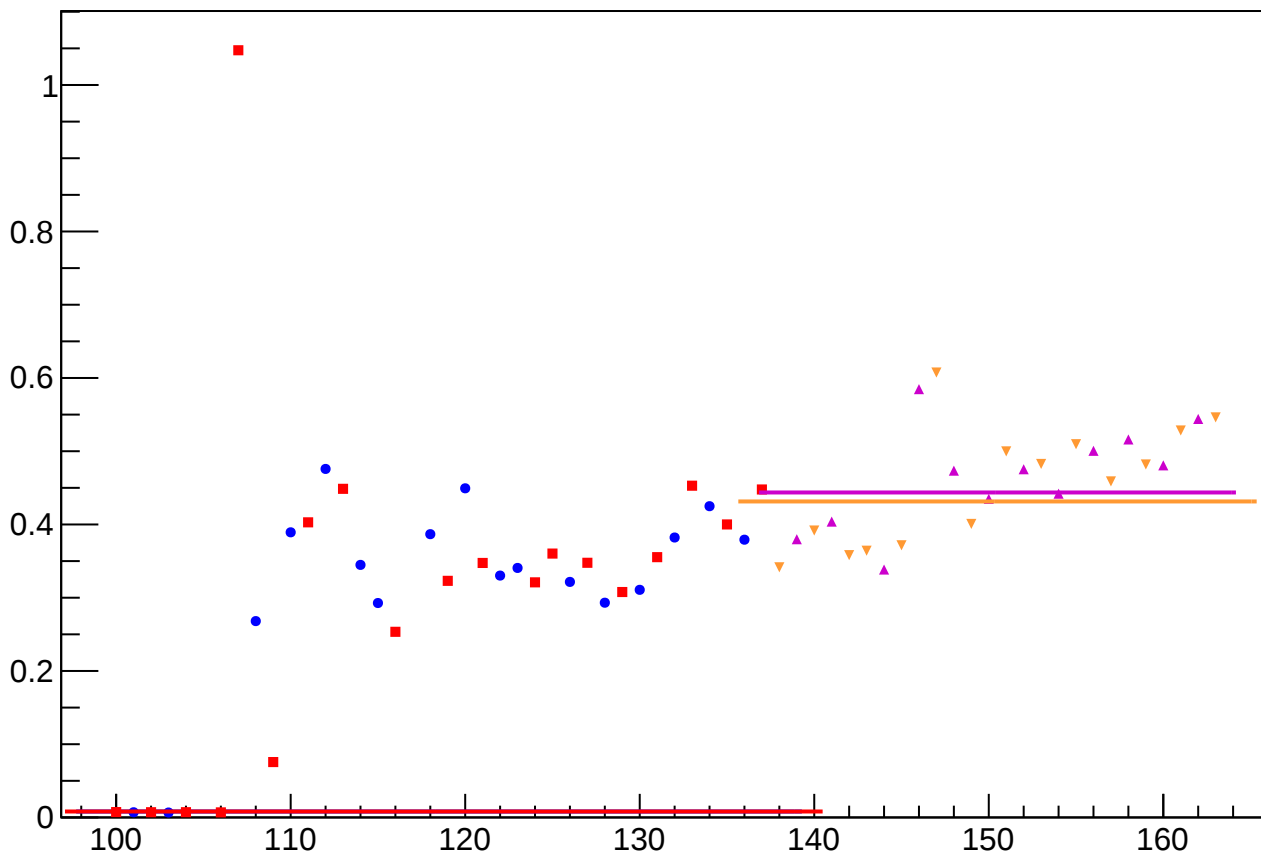
Left In: 148.403+/-0.000 χ^2/NDF : 223405061.9/11

+ sign 377.374+/-0.000 χ^2/NDF : 5286230420199.3

All: 376.956+/-0.000 χ^2/NDF : 16003358096

- sign 376.589+/-0.000 χ^2/NDF : 10712741333633.7

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9885759.8/16

Left Out: 0.431 $\pm$ 0.000 χ^2 /NDF:586286.5/13

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9535410.6/18

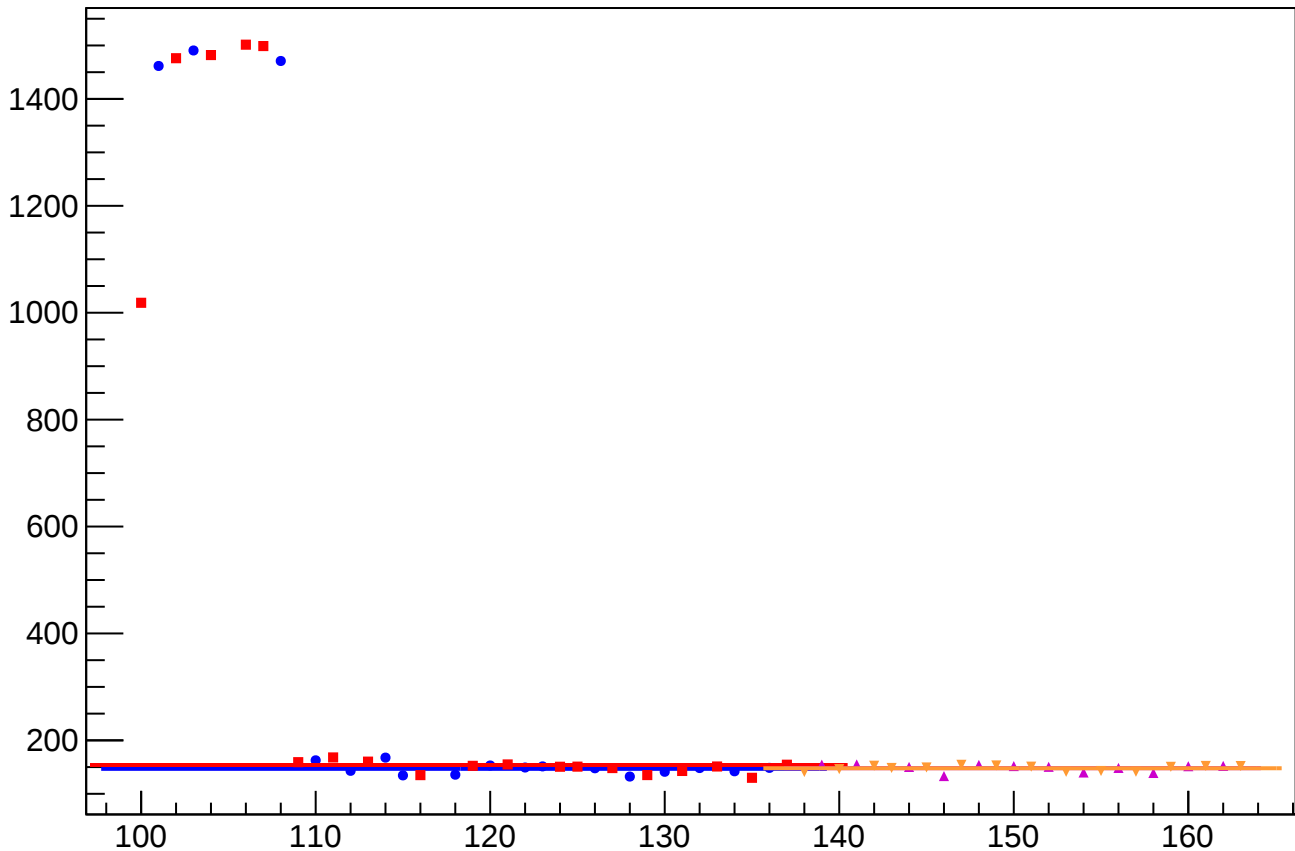
Left In: 0.444 $\pm$ 0.000 χ^2 /NDF:431658.9/11

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 29337970.7/30

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 56926391.6/61

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 27586948.4/30

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 147.811+/-0.000 χ^2/NDF : 239107611.9/13

Right Out: 153.887+/-0.000 χ^2/NDF : 33738118250.9/18

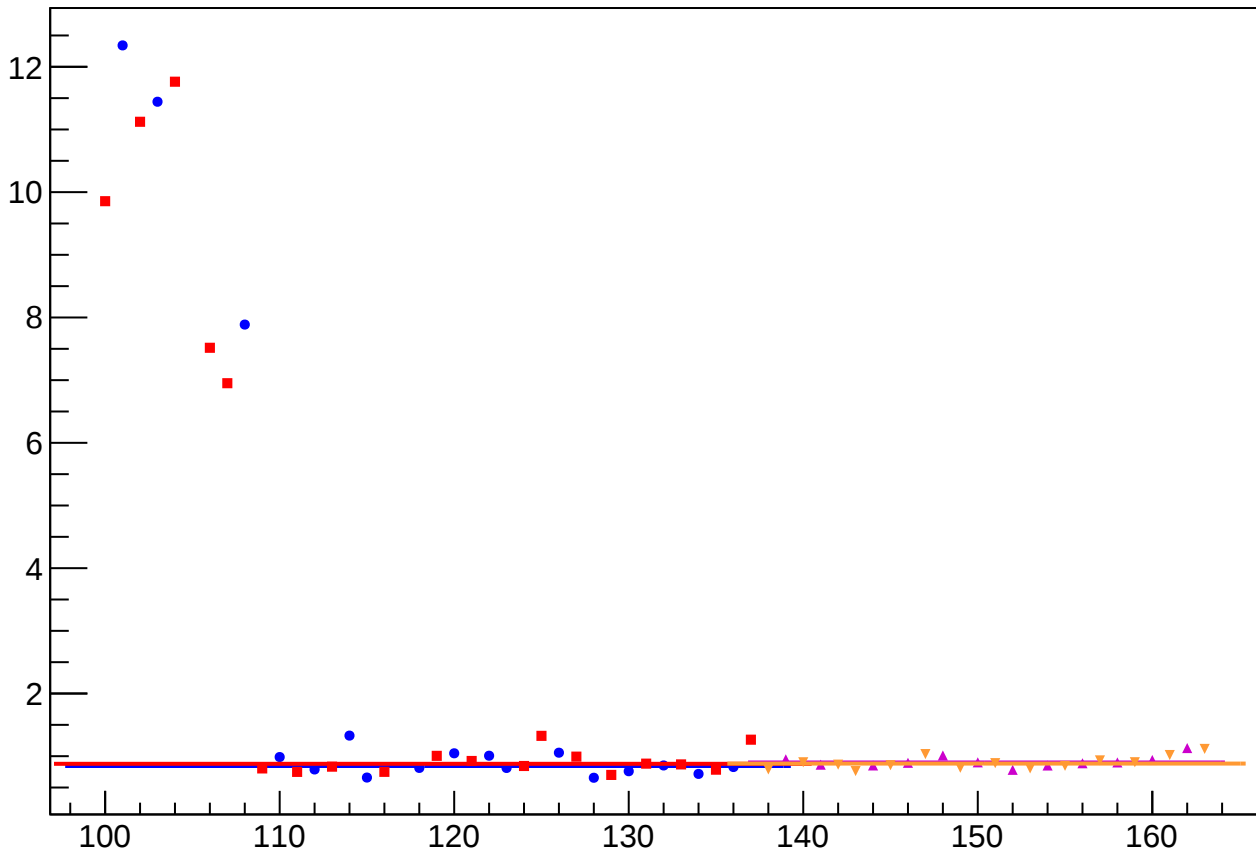
Left In: 147.963+/-0.000 χ^2/NDF : 448987097.8/11

+ sign 147.445+/-0.000 χ^2/NDF : 24594187348.0/30

All: 148.713+/-0.000 χ^2/NDF : 58953922046.0/30

- sign 150.068+/-0.000 χ^2/NDF : 34306790607.3/30

yield_bcm0l02_rms vs Slug



Right In: 0.844 ± 0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.882 ± 0.000 χ^2/NDF : 174928.6/13

Right Out: 0.878 ± 0.000 χ^2/NDF : 2812500.6/18

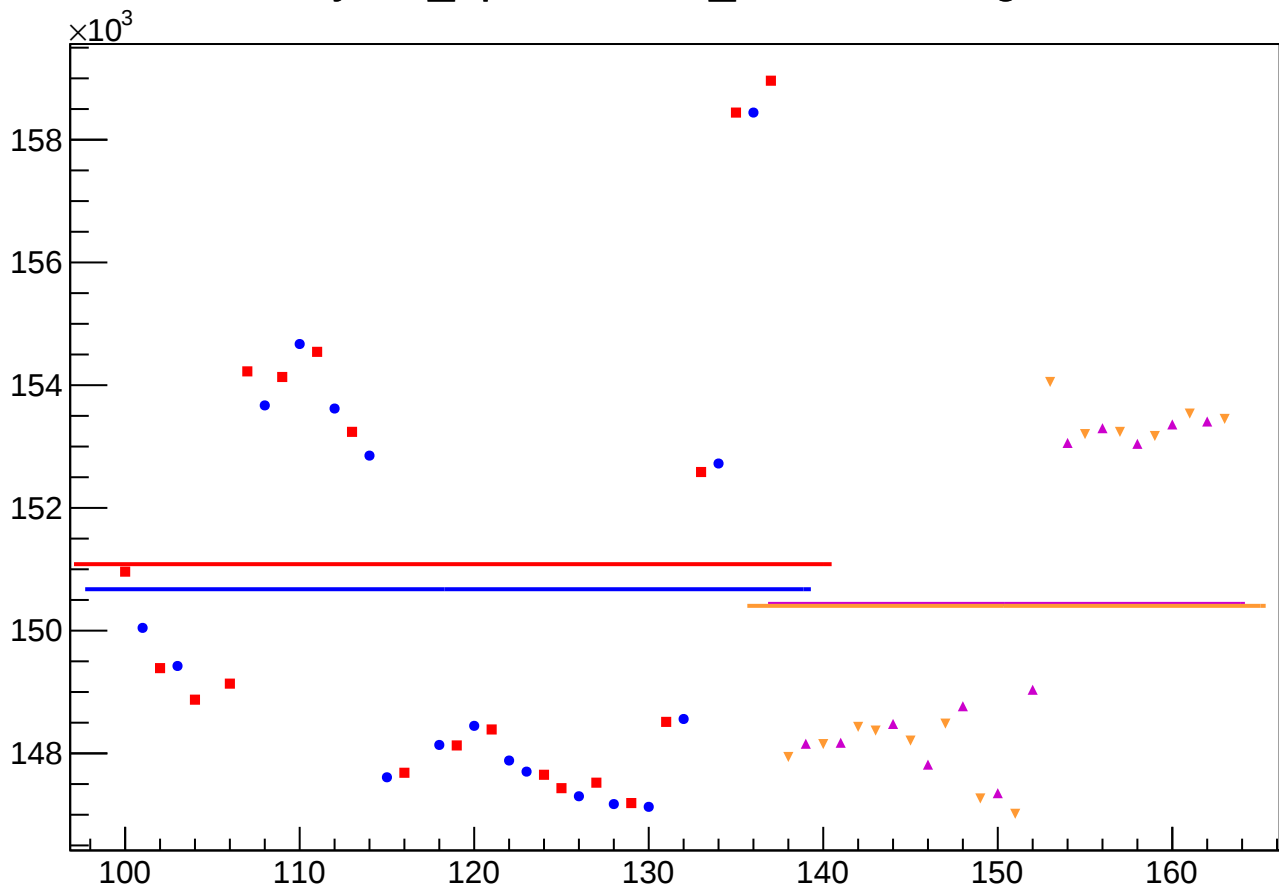
Left In: 0.900 ± 0.000 χ^2/NDF : 117052.9/11

+ sign 0.869 ± 0.000 χ^2/NDF : 2855916.7/30

All: 0.880 ± 0.000 χ^2/NDF : 5796718.4/61

- sign 0.892 ± 0.000 χ^2/NDF : 2932683.6/30

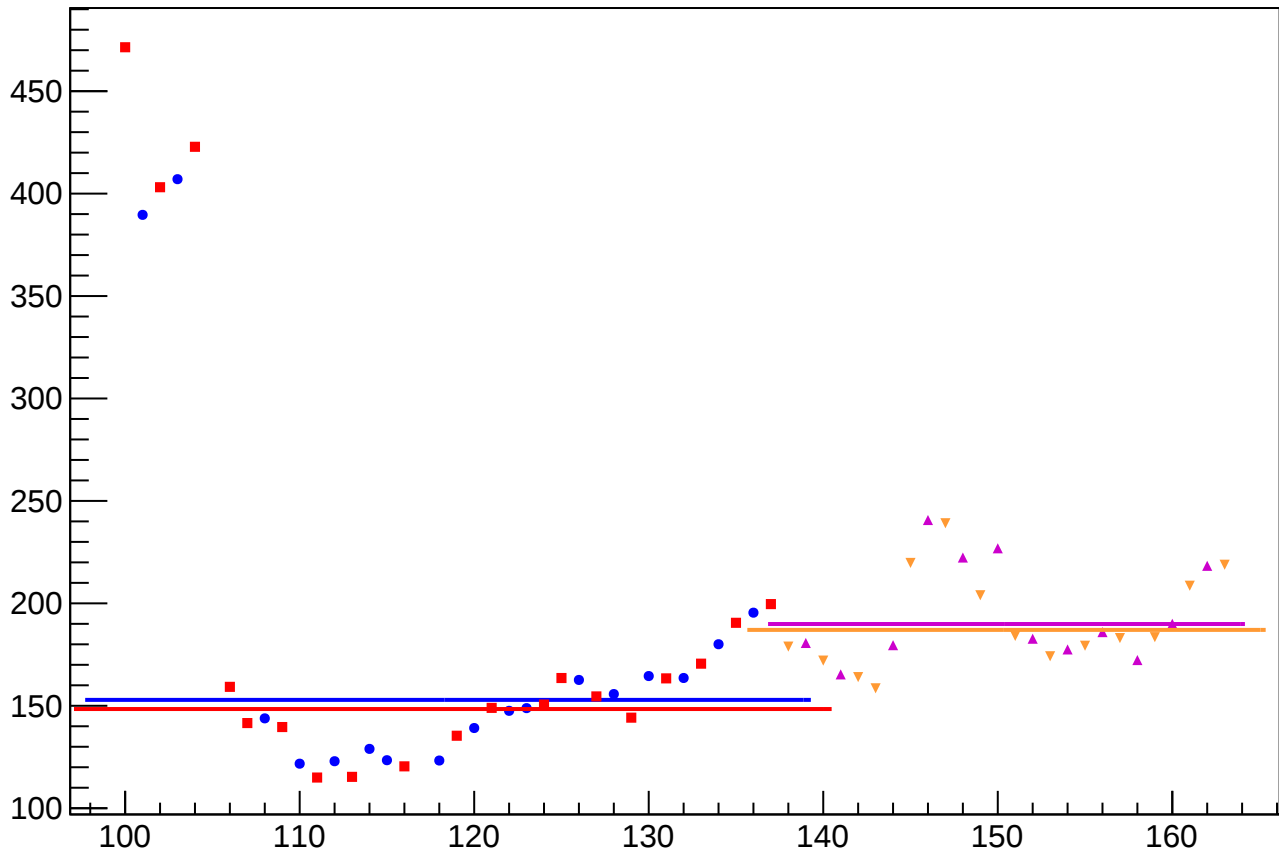
yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 $\pm$ 0.063 χ^2 /NDF: 3309974859.4/16
 Left Out: 150404.170 $\pm$ 0.058 χ^2 /NDF: 2249483017.7/13
 Right Out: 151083.268 $\pm$ 0.060 χ^2 /NDF: 3300830370.5/18
 Left In: 150436.135 $\pm$ 0.062 χ^2 /NDF: 1588133794.3/11

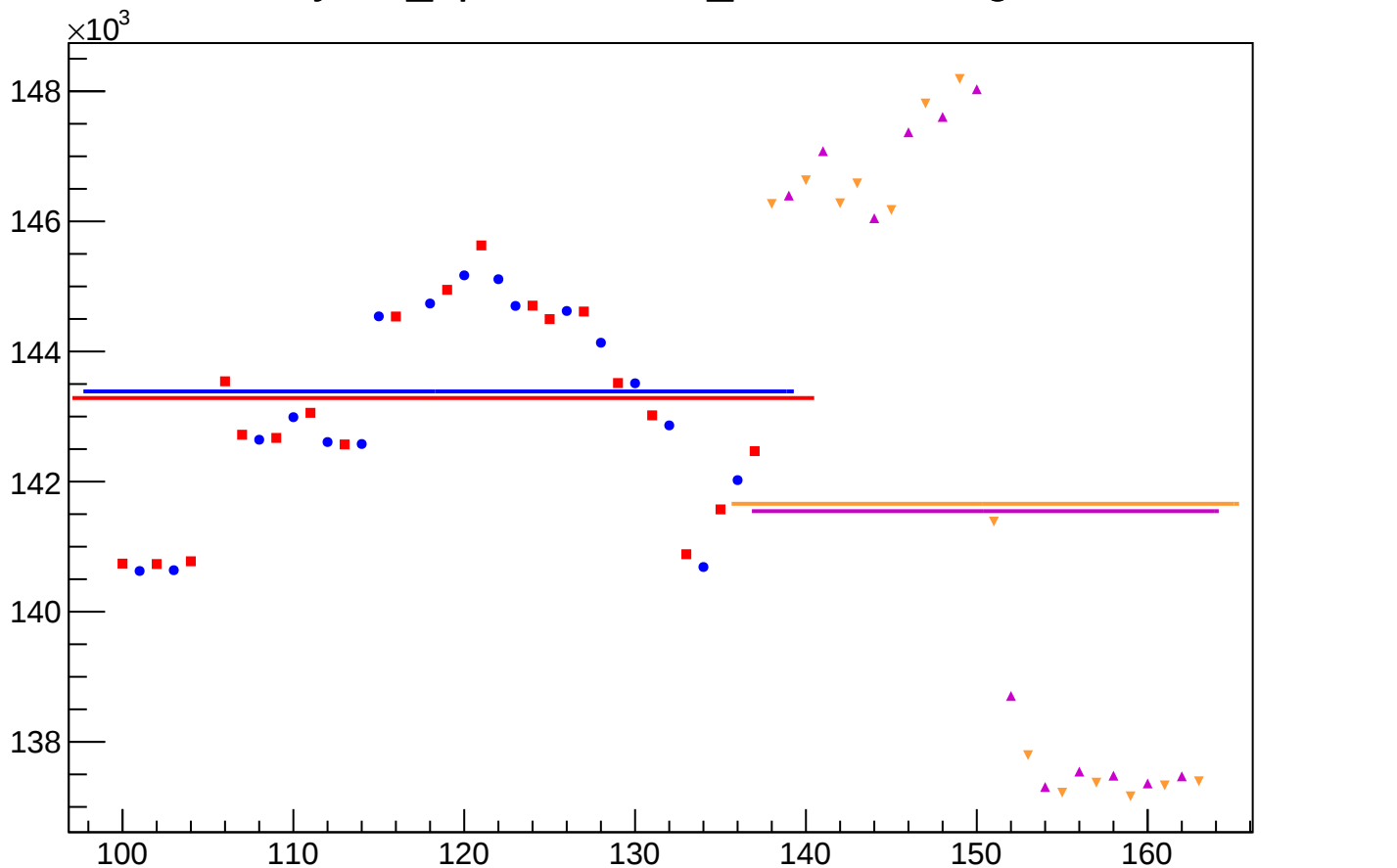
+ sign 150529.475 $\pm$ 0.043 χ^2 /NDF: 5569402796.9
 All: 150649.804 $\pm$ 0.030 χ^2 /NDF: 105309684
 - sign 150770.654 $\pm$ 0.043 χ^2 /NDF: 4945741288.0

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16 + sign 171.240 $\pm$ 0.030 χ^2 /NDF: 1724472.9/30
 Left Out: 187.044 $\pm$ 0.041 χ^2 /NDF:254009.5/13
 Right Out: 148.418 $\pm$ 0.042 χ^2 /NDF: 1191577.6/18 All: 169.855 $\pm$ 0.021 χ^2 /NDF: 3637275.8/61
 Left In: 189.915 $\pm$ 0.044 χ^2 /NDF:250100.1/11 - sign 168.464 $\pm$ 0.030 χ^2 /NDF: 1908611.3/30

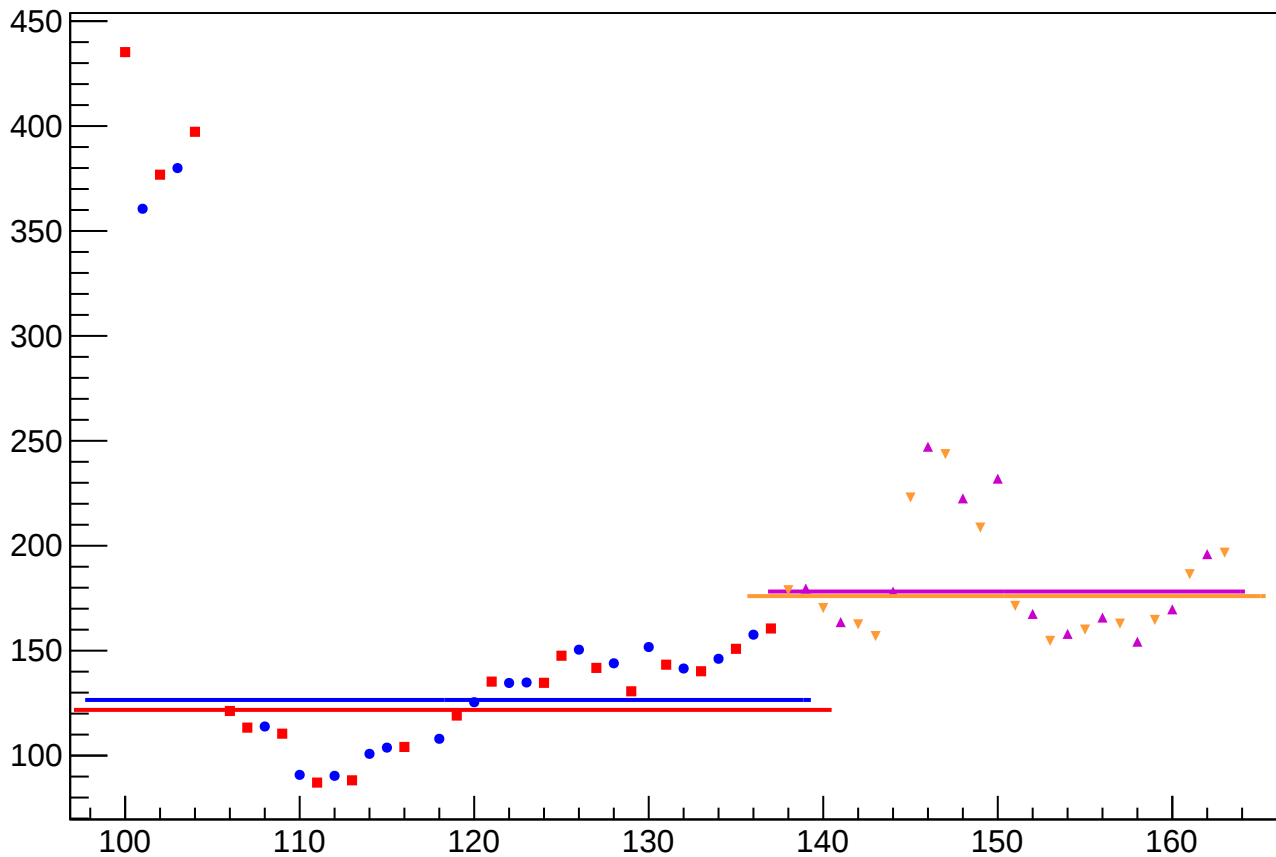
yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099 $\pm$ 0.053 χ^2 /NDF: 521299875.7/16
 Left Out: 141659.035 $\pm$ 0.055 χ^2 /NDF: 6701124339.6/13
 Right Out: 143284.757 $\pm$ 0.049 χ^2 /NDF: 608634820.1/18
 Left In: 141545.706 $\pm$ 0.058 χ^2 /NDF: 6336667480.0/11

+ sign 142561.779 $\pm$ 0.038 χ^2 /NDF: 7735483370.4
 All: 142561.747 $\pm$ 0.027 χ^2 /NDF: 152023411
 - sign 142561.715 $\pm$ 0.038 χ^2 /NDF: 7466857796.9/

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 176.001 $\pm$ 0.039 χ^2 /NDF:338766.2/13

Right Out: 121.772 $\pm$ 0.035 χ^2 /NDF: 1463829.4/18

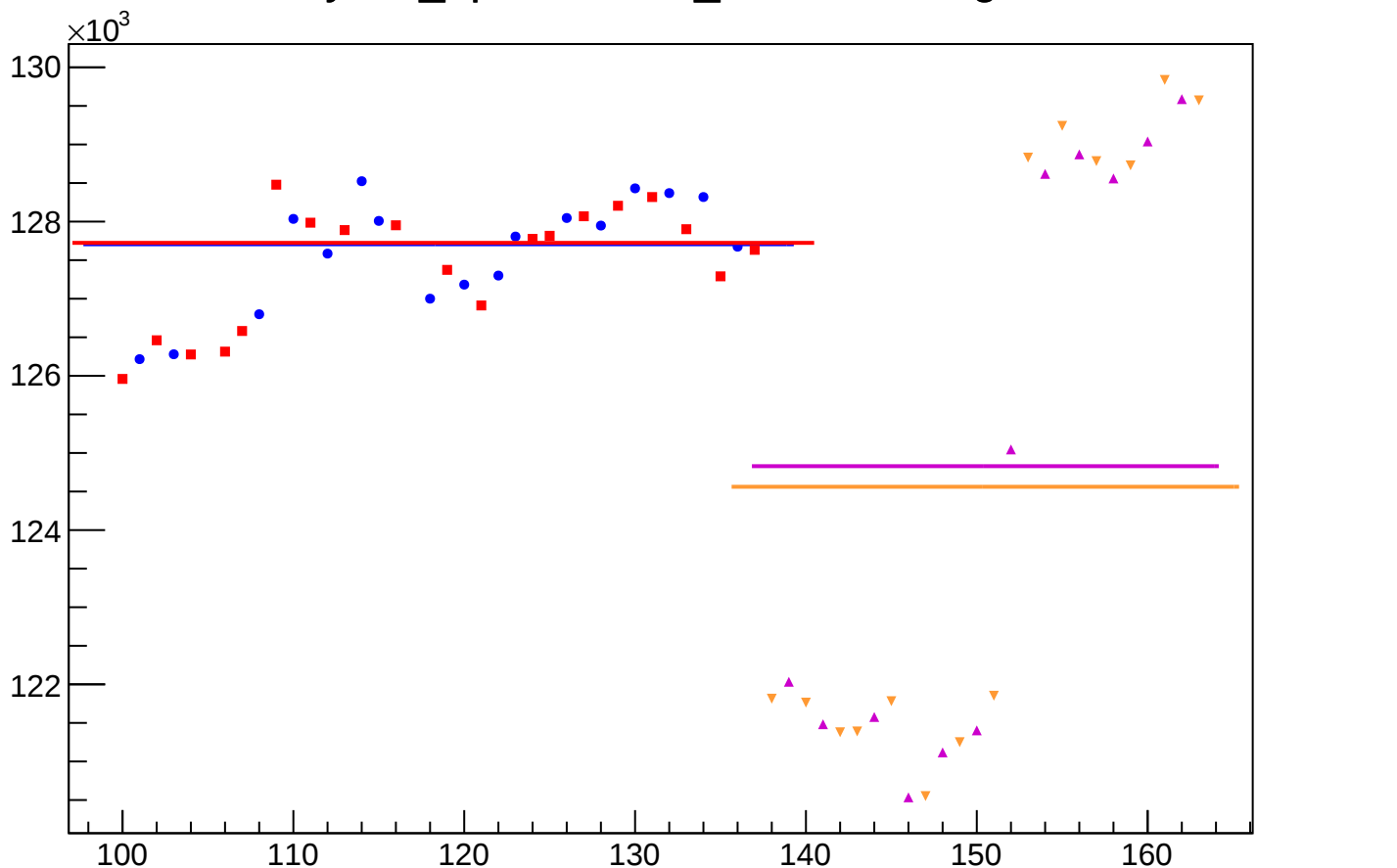
Left In: 178.184 $\pm$ 0.041 χ^2 /NDF:388345.4/11

+ sign 150.149 $\pm$ 0.027 χ^2 /NDF: 2621977.5/30

All: 147.650 $\pm$ 0.019 χ^2 /NDF: 5588699.3/61

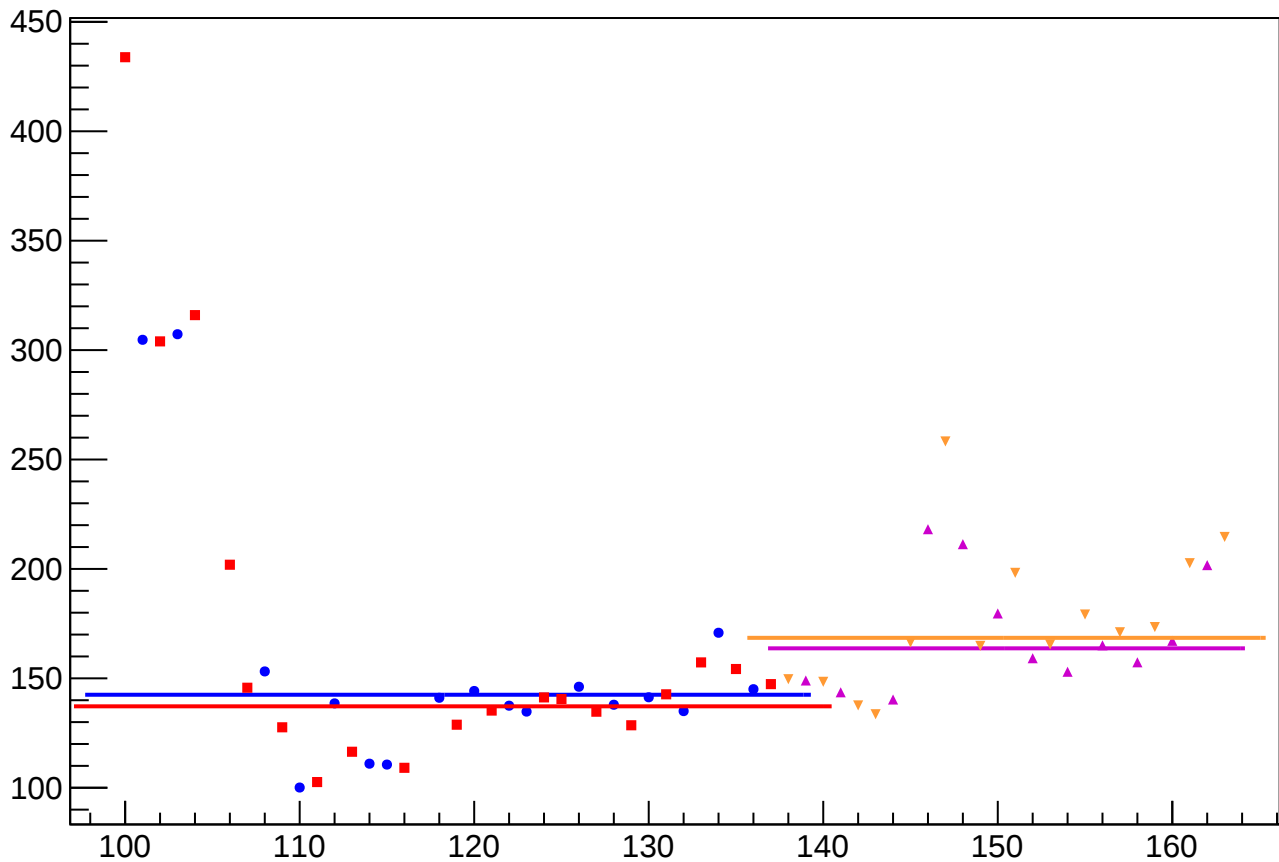
- sign 145.226 $\pm$ 0.027 χ^2 /NDF: 2949779.6/30

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194+/-0.058	χ^2/NDF : 97860521.1/16	+ sign 126004.611+/-0.039	χ^2/NDF : 6519249301.9
Left Out: 124561.754+/-0.053	χ^2/NDF : 4834109918.7/13	All: 126133.306+/-0.027	χ^2/NDF : 123980670
Right Out: 127724.256+/-0.055	χ^2/NDF : 112614317.2/18	- sign 126255.173+/-0.038	χ^2/NDF : 5857970903.7/11
Left In: 124828.756+/-0.054	χ^2/NDF : 4314659964.8/11		

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 168.512 $\pm$ 0.038 χ^2 /NDF: 521552.2/13

Right Out: 137.211 $\pm$ 0.039 χ^2 /NDF: 957317.1/18

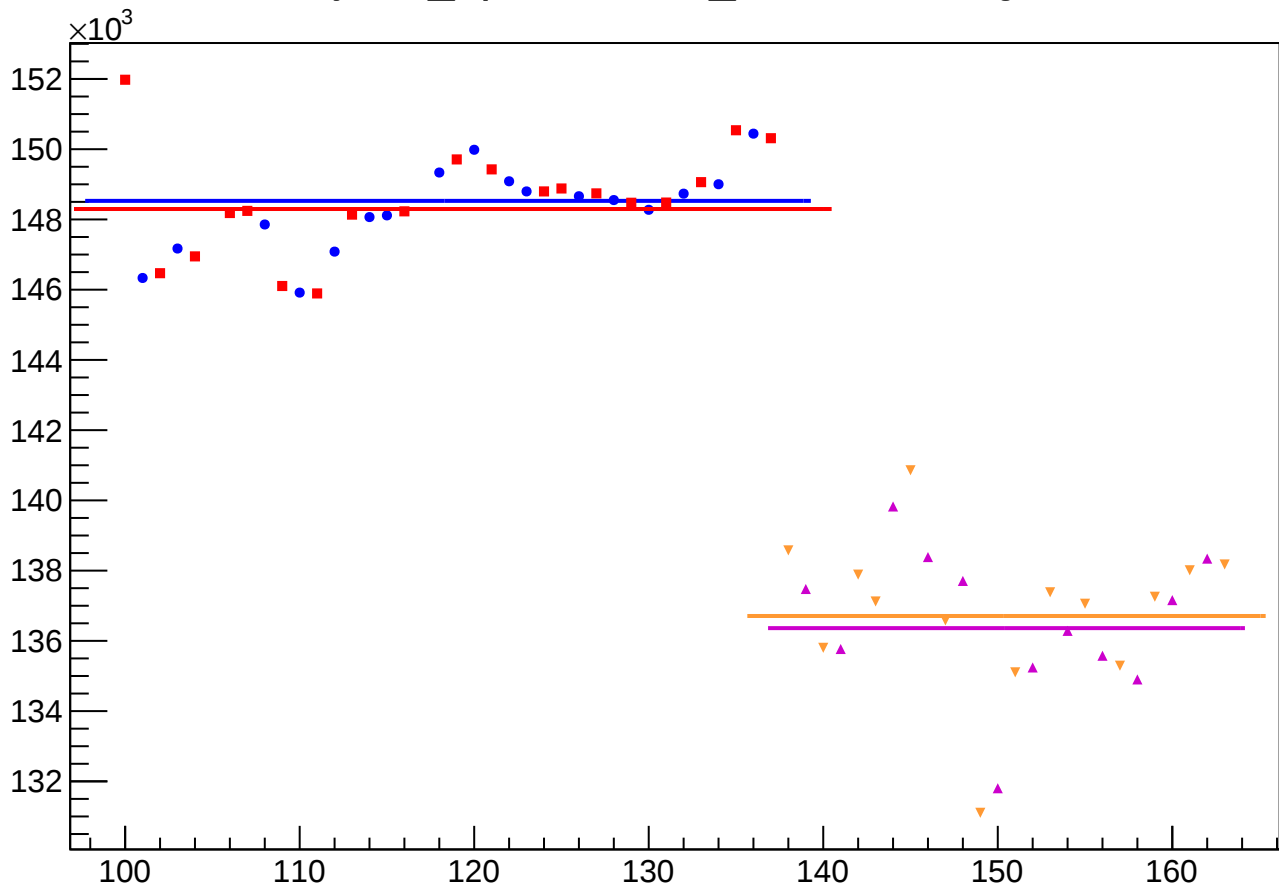
Left In: 163.712 $\pm$ 0.038 χ^2 /NDF: 347577.7/11

+ sign 156.577 $\pm$ 0.028 χ^2 /NDF: 1575030.9/30

All: 153.536 $\pm$ 0.019 χ^2 /NDF: 3142879.9/61

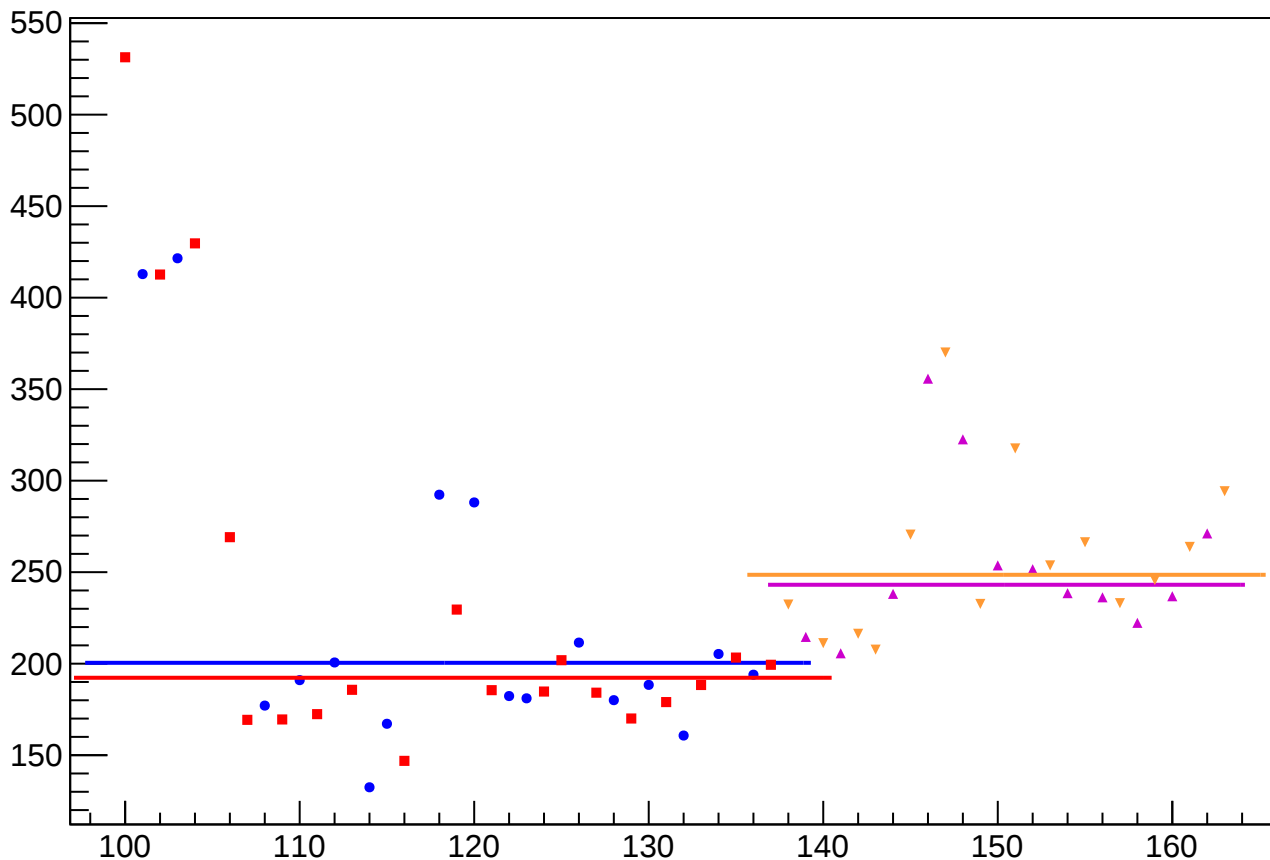
- sign 150.657 $\pm$ 0.027 χ^2 /NDF: 1544573.9/30

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 ± 0.082 $\chi^2/\text{NDF}: 209986594.2/16$
 Left Out: 136708.274 ± 0.078 $\chi^2/\text{NDF}: 809694964.0/13$
 Right Out: 148297.126 ± 0.076 $\chi^2/\text{NDF}: 293244556.5/18$
 Left In: 136362.657 ± 0.080 $\chi^2/\text{NDF}: 626474611.4/11$

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 248.566 $\pm$ 0.055 χ^2 /NDF: 436068.4/13

Right Out: 192.304 $\pm$ 0.054 χ^2 /NDF: 844504.1/18

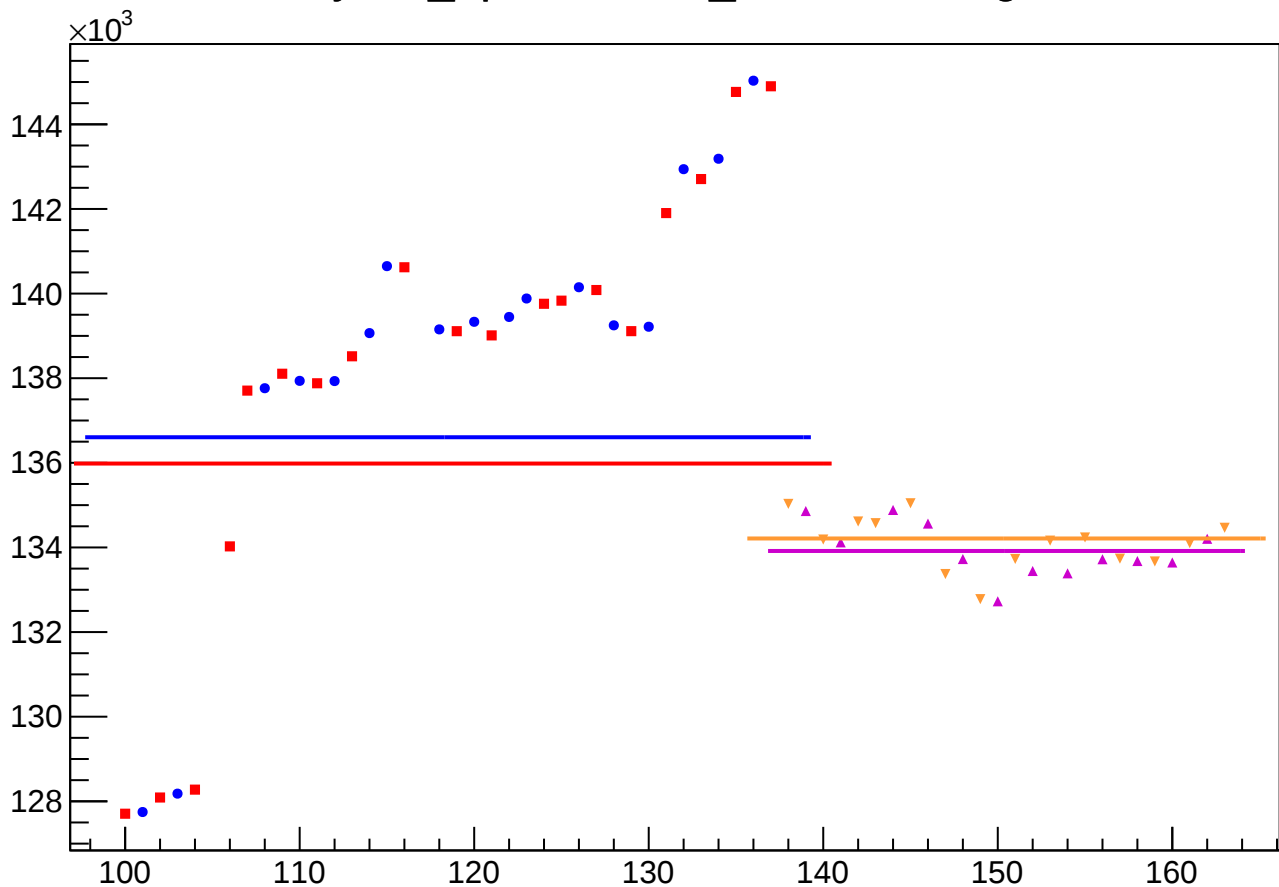
Left In: 243.116 $\pm$ 0.056 χ^2 /NDF: 368255.0/11

+ sign 225.651 $\pm$ 0.040 χ^2 /NDF: 1732175.2/30

All: 221.050 $\pm$ 0.028 χ^2 /NDF: 3395199.3/61

- sign 216.699 $\pm$ 0.039 χ^2 /NDF: 1637360.3/30

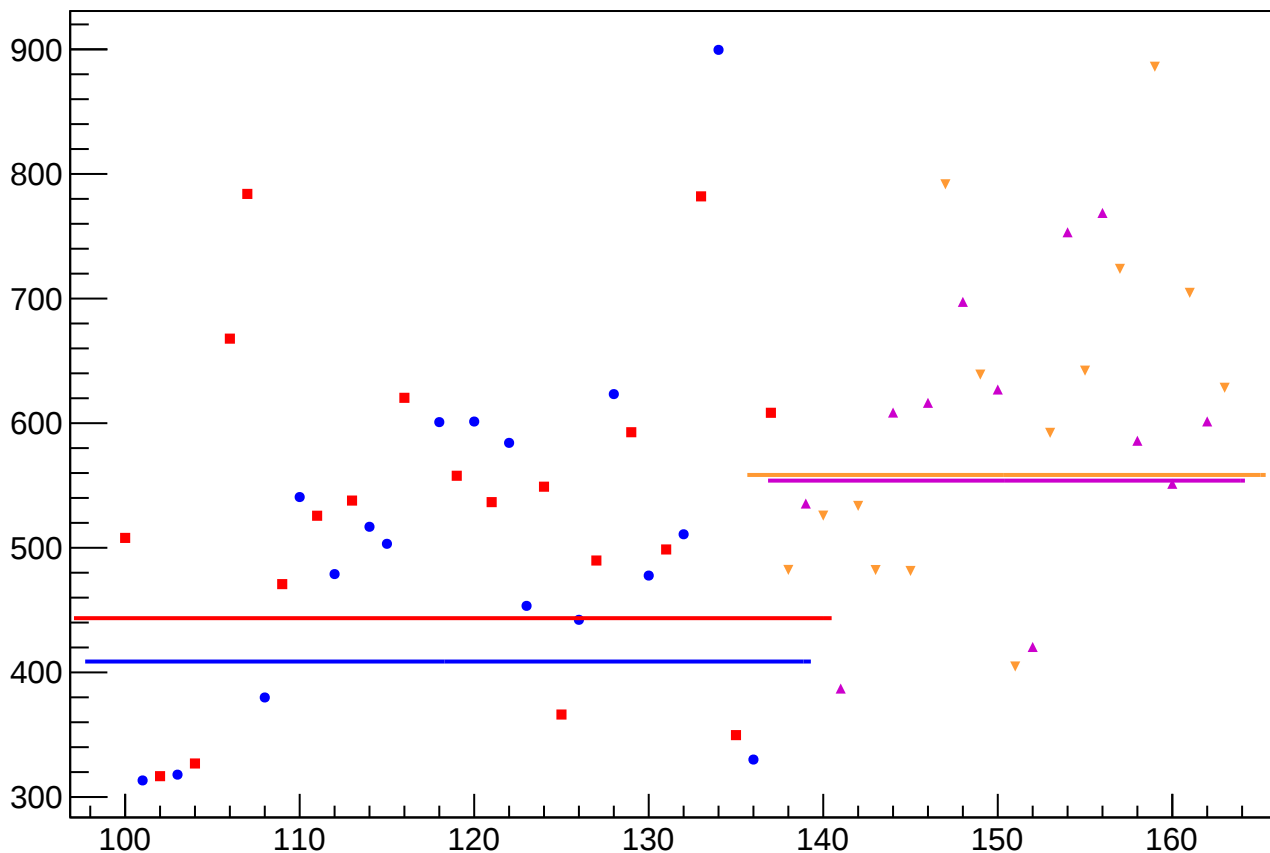
yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16
 Left Out: 134211.981 $\pm$ 0.186 χ^2 /NDF: 11013199.6/13
 Right Out: 135982.842 $\pm$ 0.183 χ^2 /NDF: 1082431147.9/18
 Left In: 133916.695 $\pm$ 0.196 χ^2 /NDF: 9154575.0/11

+ sign 135502.621 $\pm$ 0.126 χ^2 /NDF: 1595079192.9
 All: 135275.413 $\pm$ 0.092 χ^2 /NDF: 275319002
 - sign 135020.015 $\pm$ 0.133 χ^2 /NDF: 1151194559.7

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 $\pm$ 0.121 χ^2/NDF : 823262.8/16

Left Out: 558.458 $\pm$ 0.131 χ^2/NDF : 818804.2/13

Right Out: 443.521 $\pm$ 0.129 χ^2/NDF : 917492.4/18

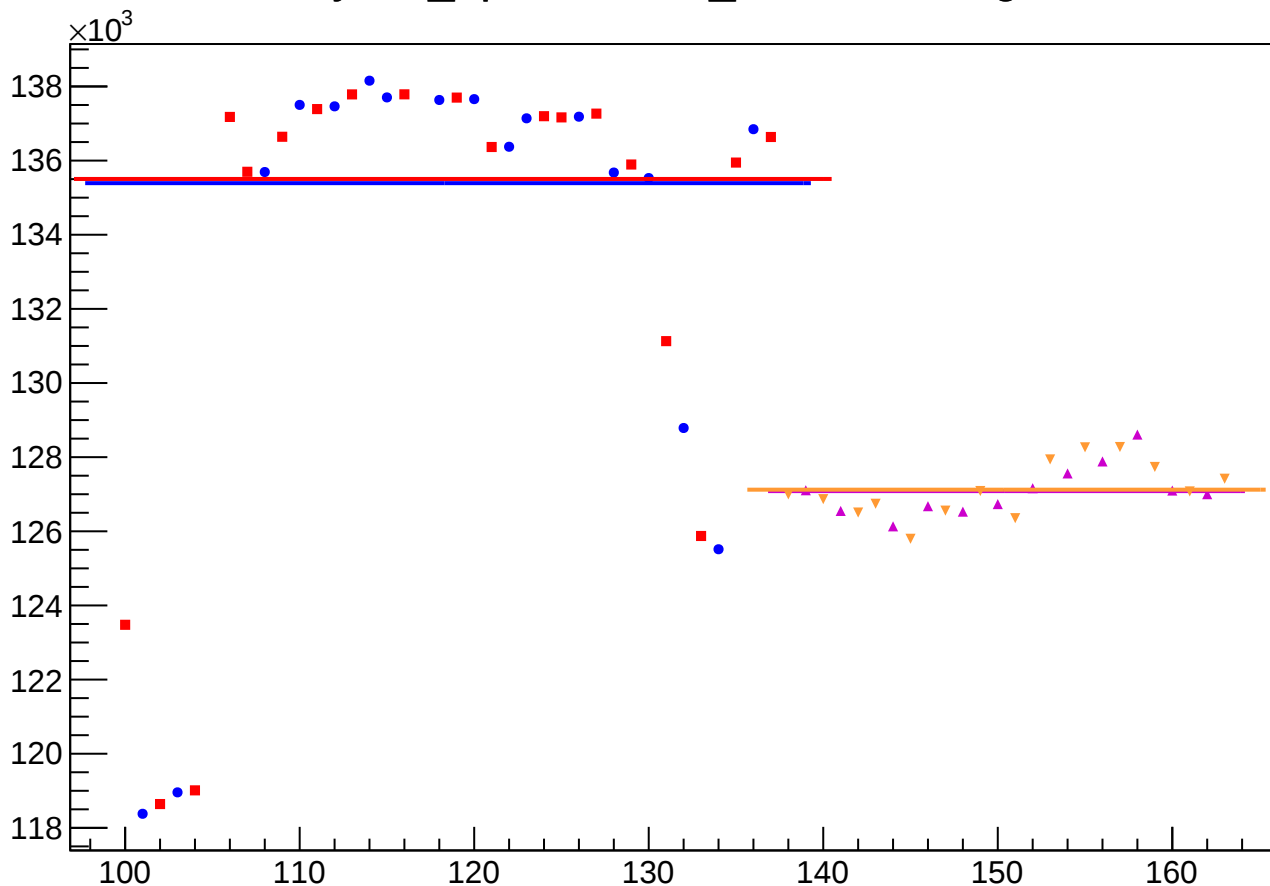
Left In: 553.905 $\pm$ 0.138 χ^2/NDF : 704906.6/11

+ sign 477.691 $\pm$ 0.089 χ^2/NDF : 2344695.8/30

All: 485.821 $\pm$ 0.065 χ^2/NDF : 4325079.6/61

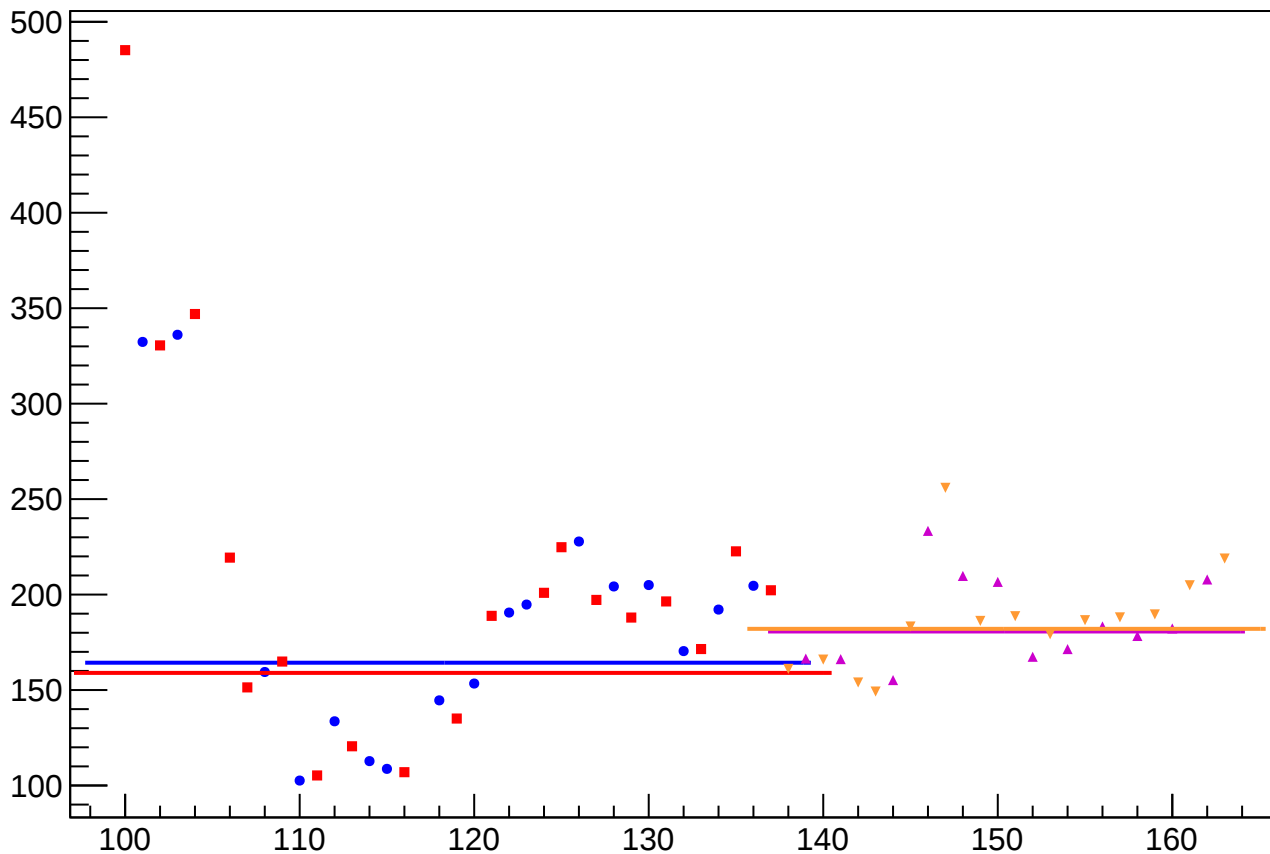
- sign 494.960 $\pm$ 0.094 χ^2/NDF : 1962673.0/30

yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16
 Left Out: 127122.915 $\pm$ 0.057 χ^2 /NDF: 152251600.3/13
 Right Out: 135504.836 $\pm$ 0.064 χ^2 /NDF: 4730667469.8/18
 Left In: 127084.249 $\pm$ 0.059 χ^2 /NDF: 131481167.3/11
 All: 130728.983 $\pm$ 0.031 χ^2 /NDF: 275628428
 + sign 130533.183 $\pm$ 0.044 χ^2 /NDF: 13352729719.1
 - sign 130921.468 $\pm$ 0.043 χ^2 /NDF: 14170556253.1

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 $\pm$ 0.048 χ^2 /NDF: 1230487.8/16

Left Out: 182.051 $\pm$ 0.040 χ^2 /NDF: 328305.6/13

Right Out: 158.977 $\pm$ 0.046 χ^2 /NDF: 1384059.2/18

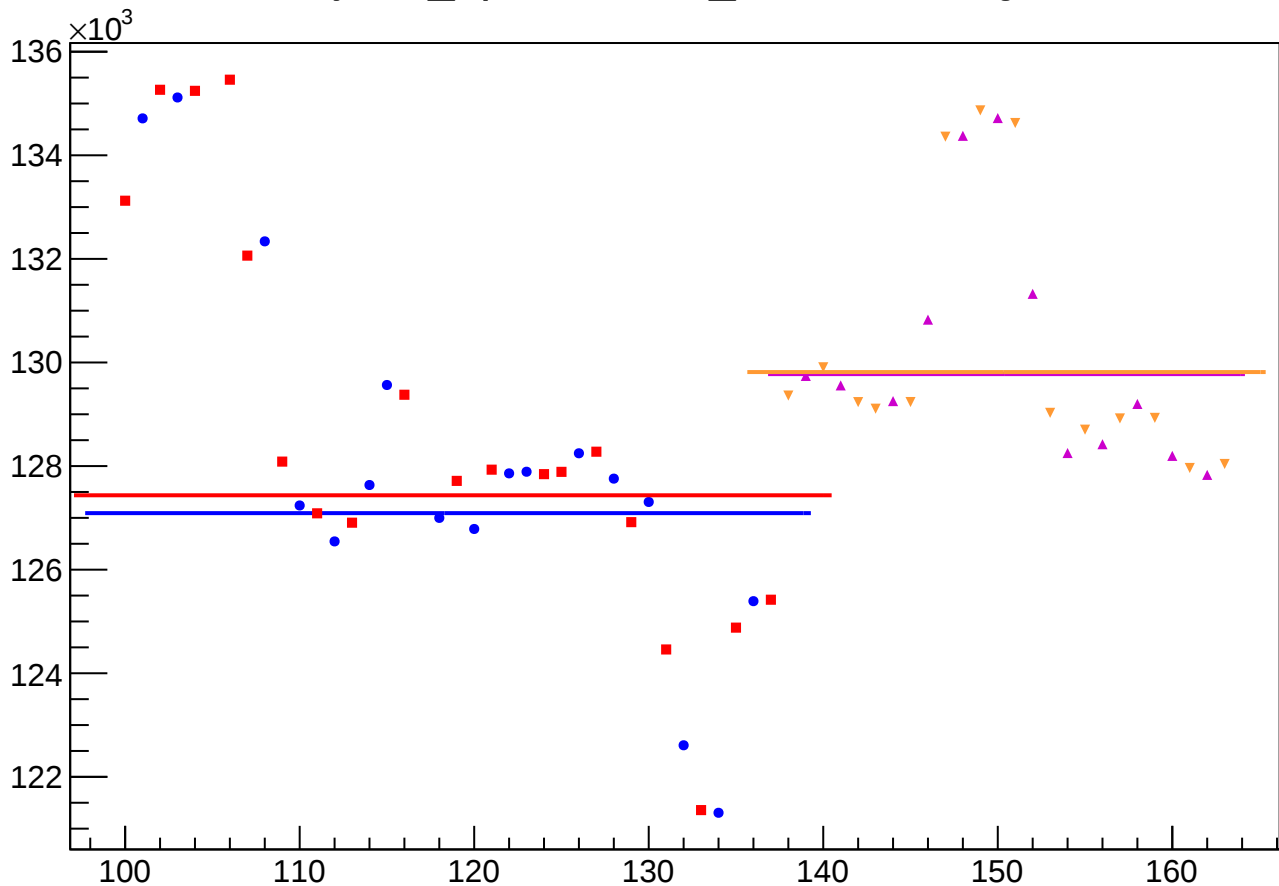
Left In: 180.669 $\pm$ 0.042 χ^2 /NDF: 246801.9/11

+ sign 174.735 $\pm$ 0.031 χ^2 /NDF: 1638155.3/30

All: 172.743 $\pm$ 0.022 χ^2 /NDF: 3400741.4/61

- sign 170.784 $\pm$ 0.031 χ^2 /NDF: 1754396.7/30

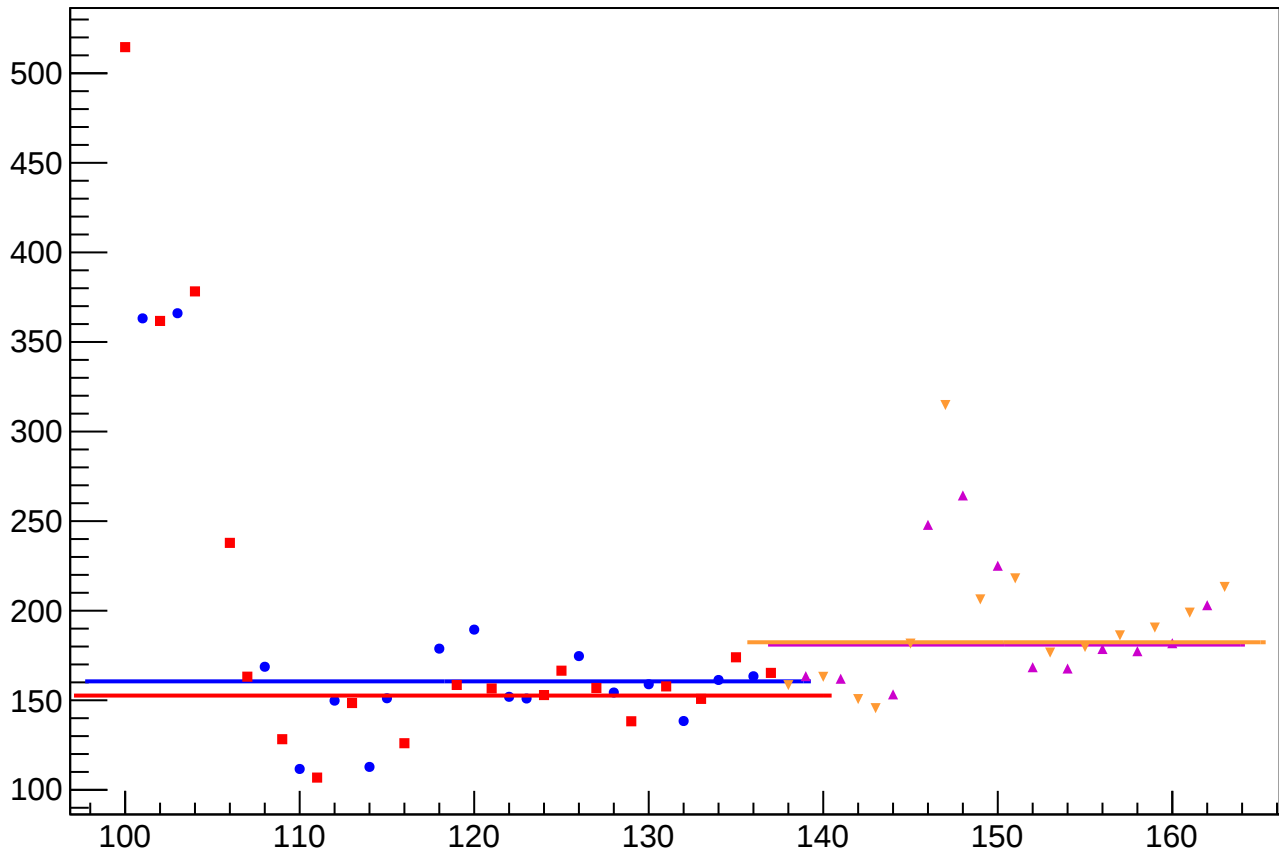
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$
 Left Out: 129815.123 ± 0.058 $\chi^2/\text{NDF}: 1240559721.6/13$
 Right Out: 127436.101 ± 0.062 $\chi^2/\text{NDF}: 2079075713.9/18$
 Left In: 129775.523 ± 0.059 $\chi^2/\text{NDF}: 988670428.7/11$

+ sign 128639.547 ± 0.044 $\chi^2/\text{NDF}: 3916855761.3$
 All: 128643.089 ± 0.031 $\chi^2/\text{NDF}: 773218998$
 - sign 128646.500 ± 0.043 $\chi^2/\text{NDF}: 3815321251.0$

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 ± 0.047 χ^2/NDF : 942747.0/16

Left Out: 182.382 ± 0.041 χ^2/NDF : 556200.2/13

Right Out: 152.629 ± 0.044 χ^2/NDF : 1086504.4/18

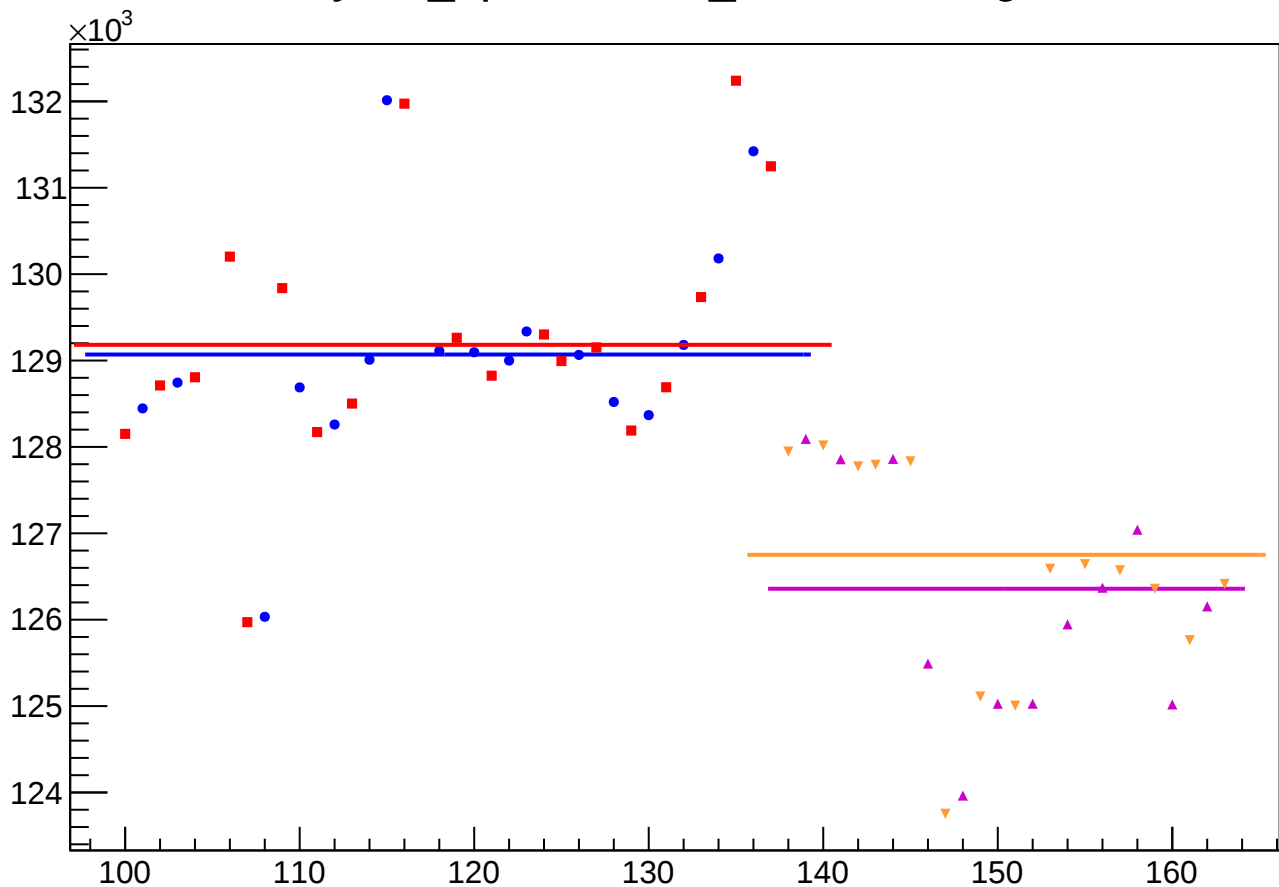
Left In: 181.076 ± 0.042 χ^2/NDF : 465916.1/11

+ sign 172.965 ± 0.031 χ^2/NDF : 1622036.5/30

All: 170.104 ± 0.022 χ^2/NDF : 3412479.6/61

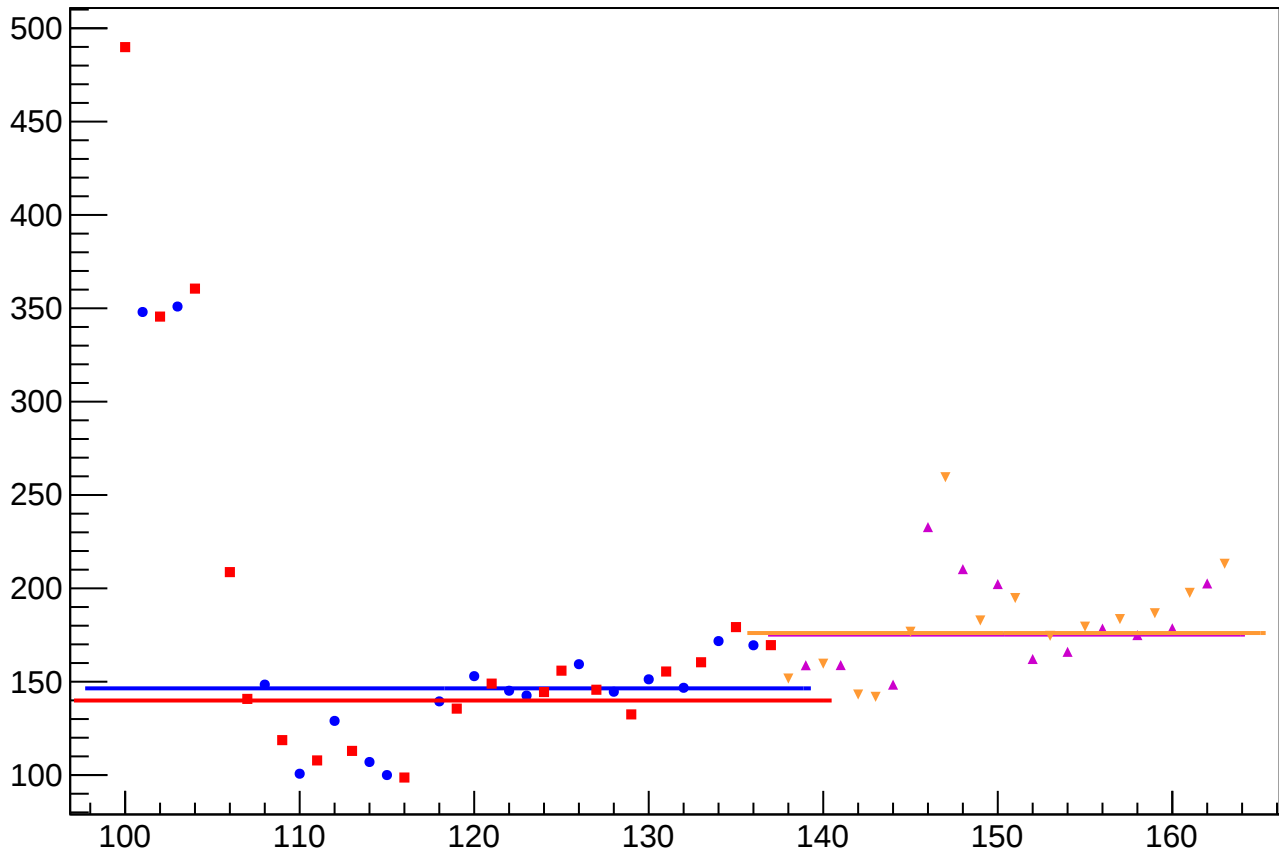
- sign 167.347 ± 0.030 χ^2/NDF : 1773500.9/30

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 $\pm$ 0.060	χ^2 /NDF: 476692316.5/16	+ sign 127815.975 $\pm$ 0.041	χ^2 /NDF: 1713767198.0/17
Left Out: 126751.234 $\pm$ 0.055	χ^2 /NDF: 434242199.3/13	All: 127806.775 $\pm$ 0.029	χ^2 /NDF: 408873672.0/14
Right Out: 129181.887 $\pm$ 0.056	χ^2 /NDF: 625597399.6/18	- sign 127797.900 $\pm$ 0.040	χ^2 /NDF: 2374869514.7/19
Left In: 126358.256 $\pm$ 0.057	χ^2 /NDF: 507199569.1/11		

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 ± 0.043 χ^2/NDF : 1064791.0/16

Left Out: 176.073 ± 0.039 χ^2/NDF : 421843.6/13

Right Out: 139.929 ± 0.040 χ^2/NDF : 1203570.9/18

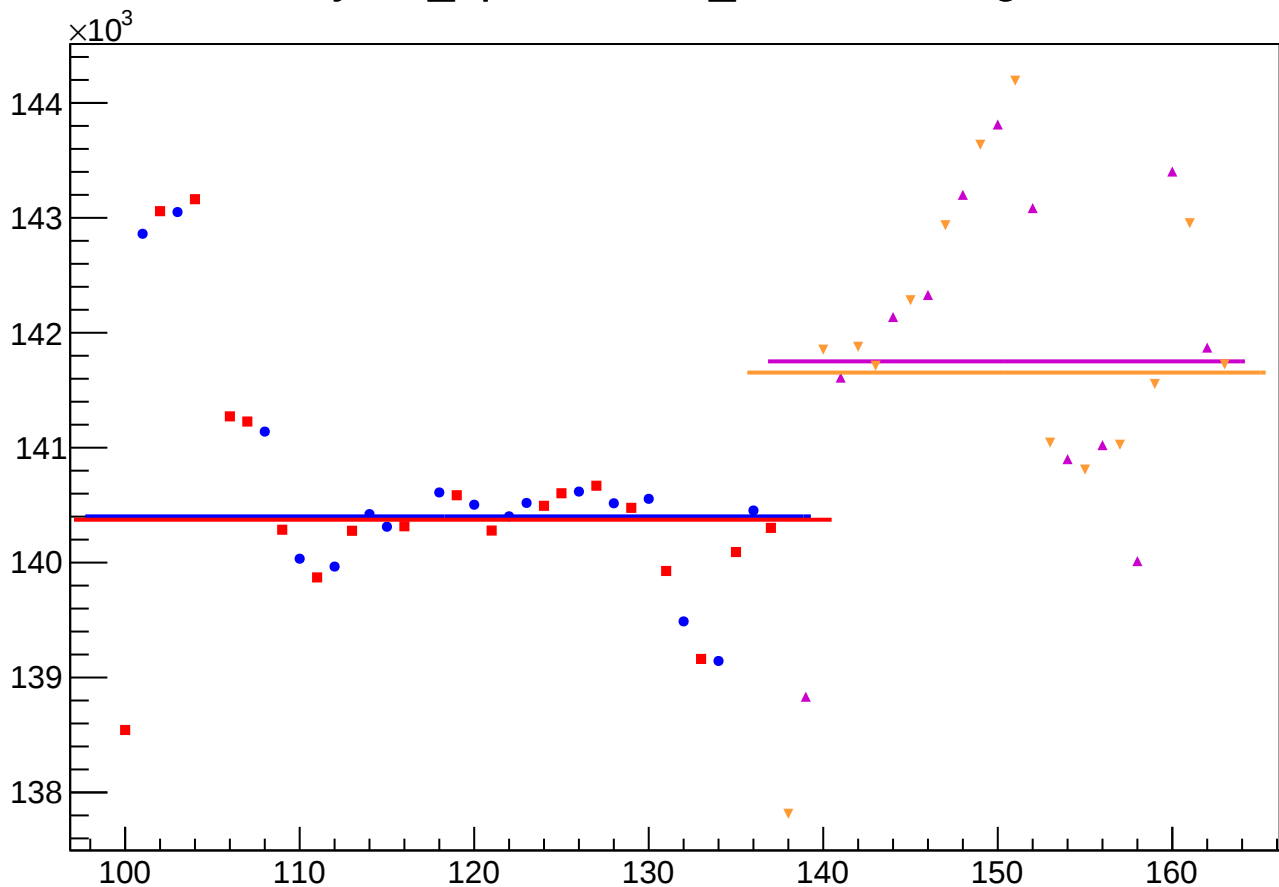
Left In: 175.215 ± 0.040 χ^2/NDF : 301770.3/11

+ sign 162.463 ± 0.029 χ^2/NDF : 1748995.4/30

All: 159.797 ± 0.020 χ^2/NDF : 3659069.0/61

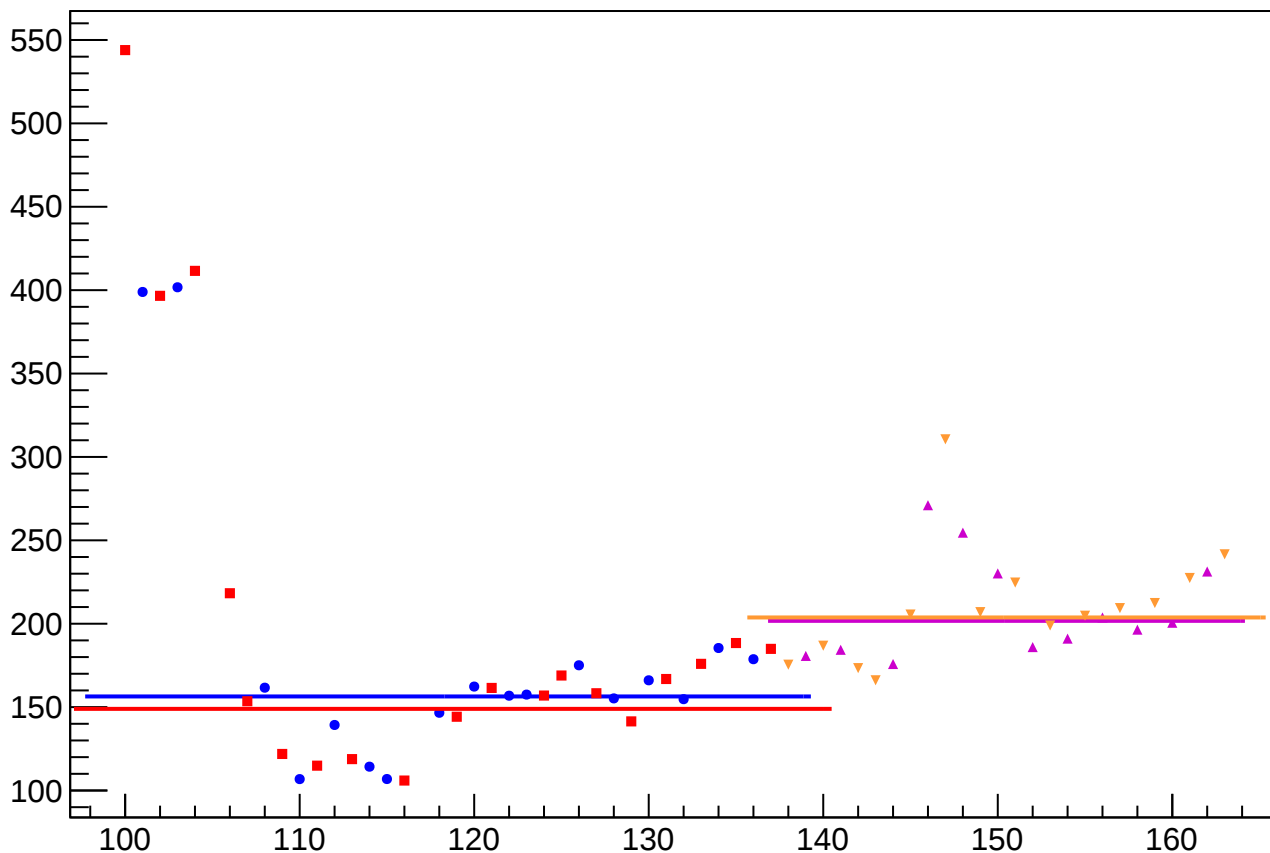
- sign 157.224 ± 0.028 χ^2/NDF : 1893270.4/30

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 $\pm$ 0.064	χ^2 /NDF: 88071774.7/16	+ sign 141028.678 $\pm$ 0.045	χ^2 /NDF: 861392920.9/3
Left Out: 141653.686 $\pm$ 0.064	χ^2 /NDF: 583885182.8/13	All: 141011.662 $\pm$ 0.032	χ^2 /NDF: 166355343
Right Out: 140373.163 $\pm$ 0.060	χ^2 /NDF: 99854533.3/18	- sign 140995.496 $\pm$ 0.044	χ^2 /NDF: 801887422.7/3
Left In: 141751.090 $\pm$ 0.066	χ^2 /NDF: 462642106.1/11		

yield_bpm0l07WS_rms vs Slug



Right In: 156.394+/-0.046 χ^2/NDF : 1154804.2/16

Left Out: 203.753+/-0.045 χ^2/NDF : 396636.6/13

Right Out: 148.949+/-0.042 χ^2/NDF : 1307651.5/18

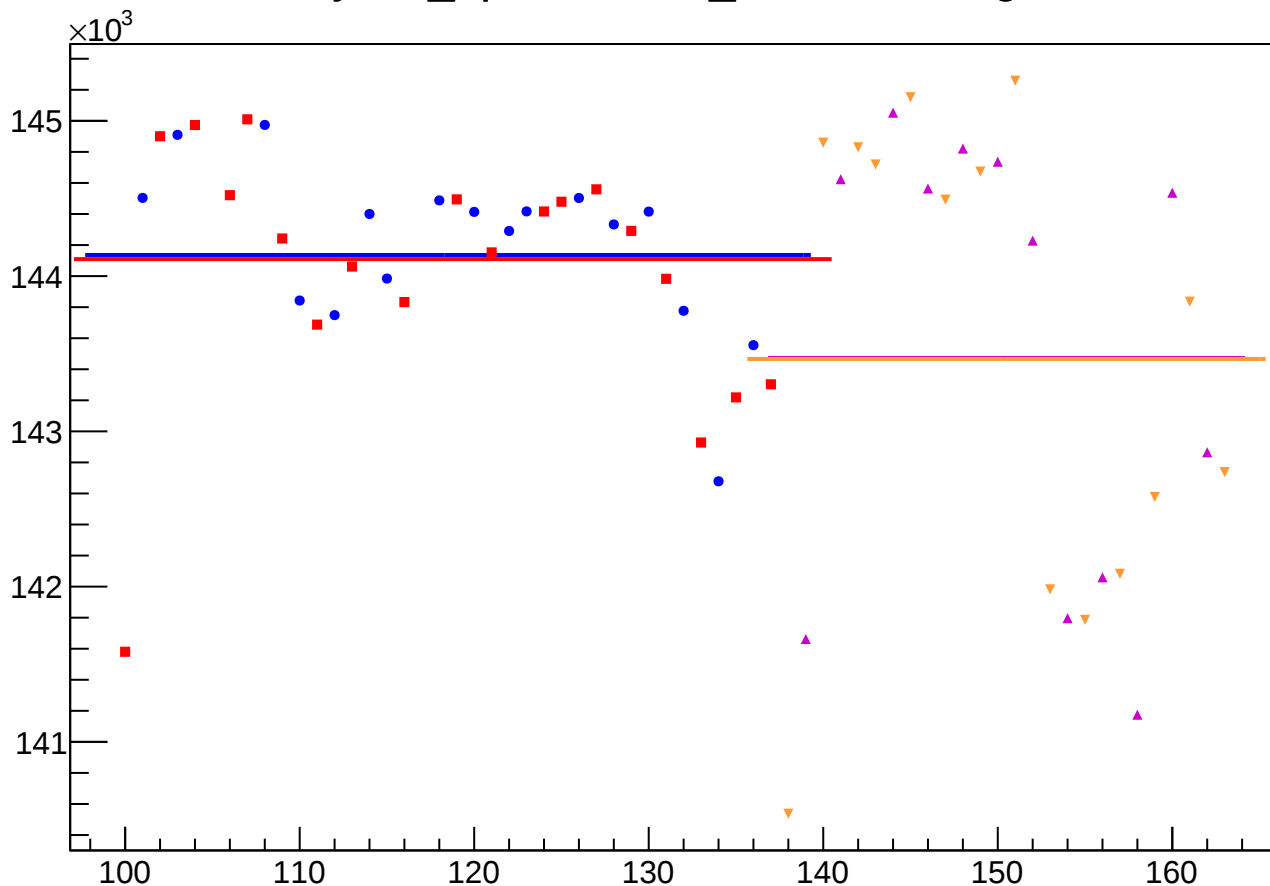
Left In: 201.724+/-0.047 χ^2/NDF : 308255.2/11

+ sign 180.105+/-0.032 χ^2/NDF : 2093841.8/30

All: 176.351+/-0.022 χ^2/NDF : 4438652.8/61

- sign 172.785+/-0.031 χ^2/NDF : 2318231.7/30

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067

χ^2 /NDF: 47069480.3/16

Left Out: 143466.389 $\pm$ 0.064

χ^2 /NDF: 592551660.0/13

Right Out: 144109.419 $\pm$ 0.062

χ^2 /NDF: 65258627.2/18

Left In: 143472.528 $\pm$ 0.066

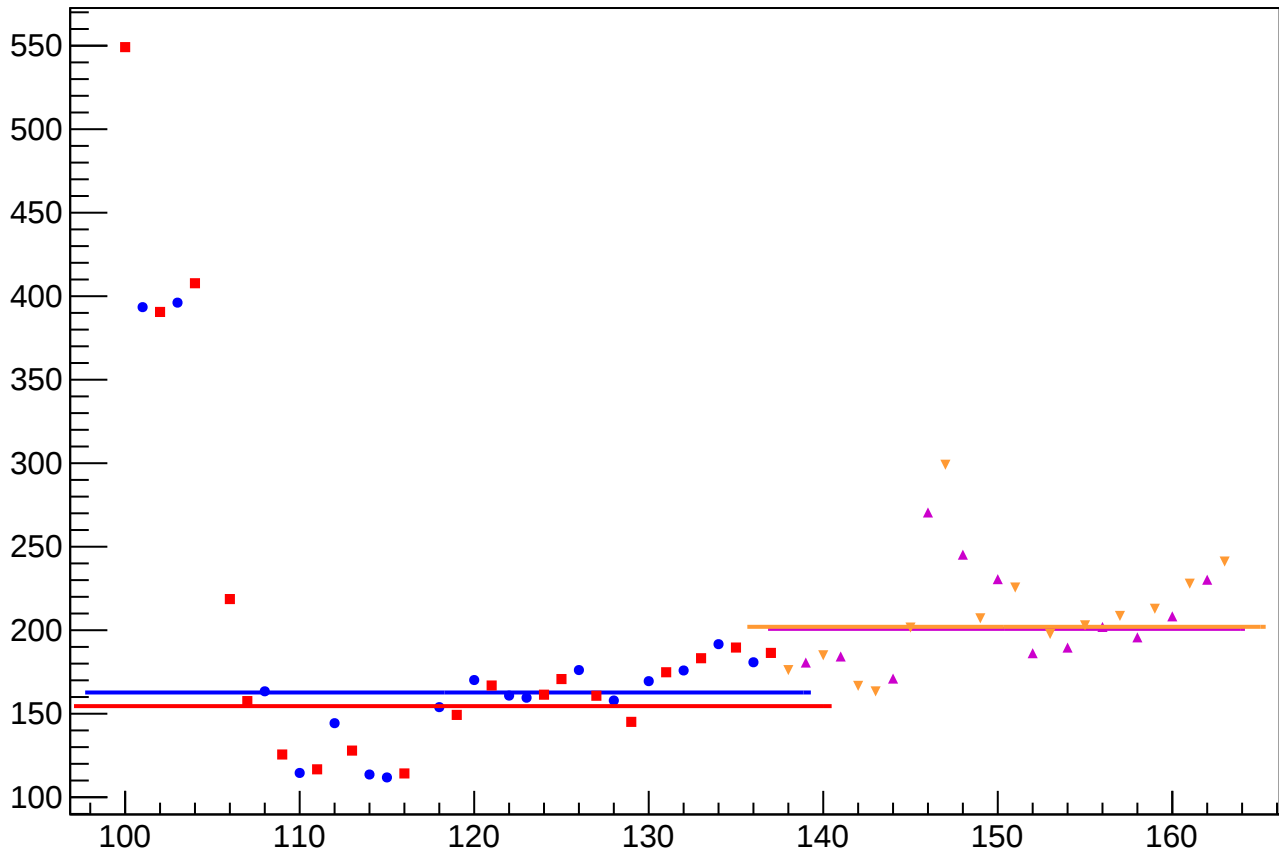
χ^2 /NDF: 486638932.8/11

+ sign 143785.400 $\pm$ 0.046 χ^2 /NDF: 692307935.2/3

All: 143797.960 $\pm$ 0.032 χ^2 /NDF: 129417917

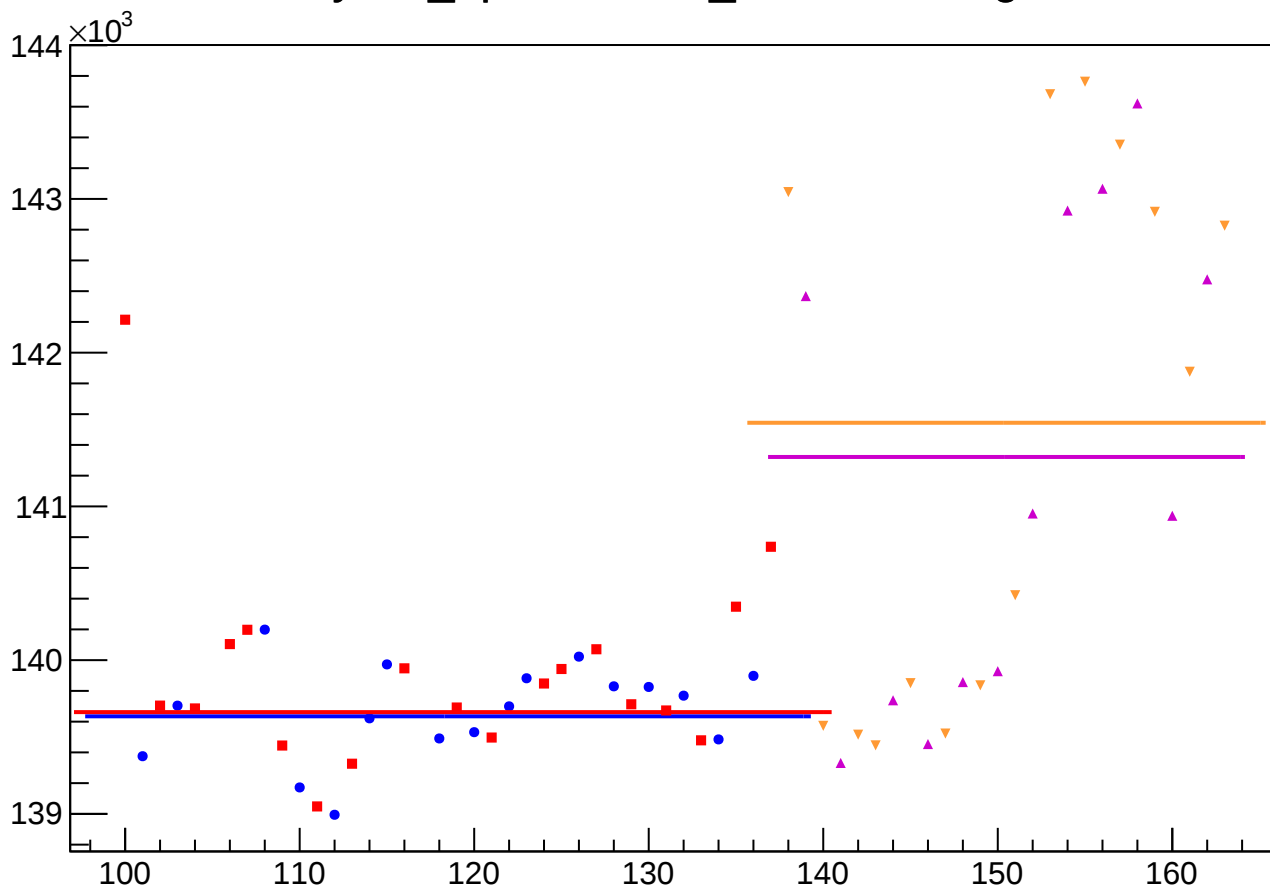
- sign 143809.953 $\pm$ 0.045 χ^2 /NDF: 601726029.6/3

yield_bpm0l08WS_rms vs Slug



Right In: 162.714+/-0.047	χ^2/NDF : 1066482.0/16	+ sign 183.309+/-0.033	χ^2/NDF : 1830262.8/30
Left Out: 202.042+/-0.045	χ^2/NDF : 400423.8/13	All: 179.723+/-0.023	χ^2/NDF : 3905436.1/61
Right Out: 154.547+/-0.044	χ^2/NDF : 1217495.9/18	- sign 176.299+/-0.032	χ^2/NDF : 2051500.5/30
Left In: 200.808+/-0.046	χ^2/NDF : 308209.0/11		

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 $\pm$ 0.068 χ^2 /NDF: 24844912.0/16

Left Out: 141544.053 $\pm$ 0.067 χ^2 /NDF: 668000784.7/13

Right Out: 139661.970 $\pm$ 0.063 χ^2 /NDF: 38372985.0/18

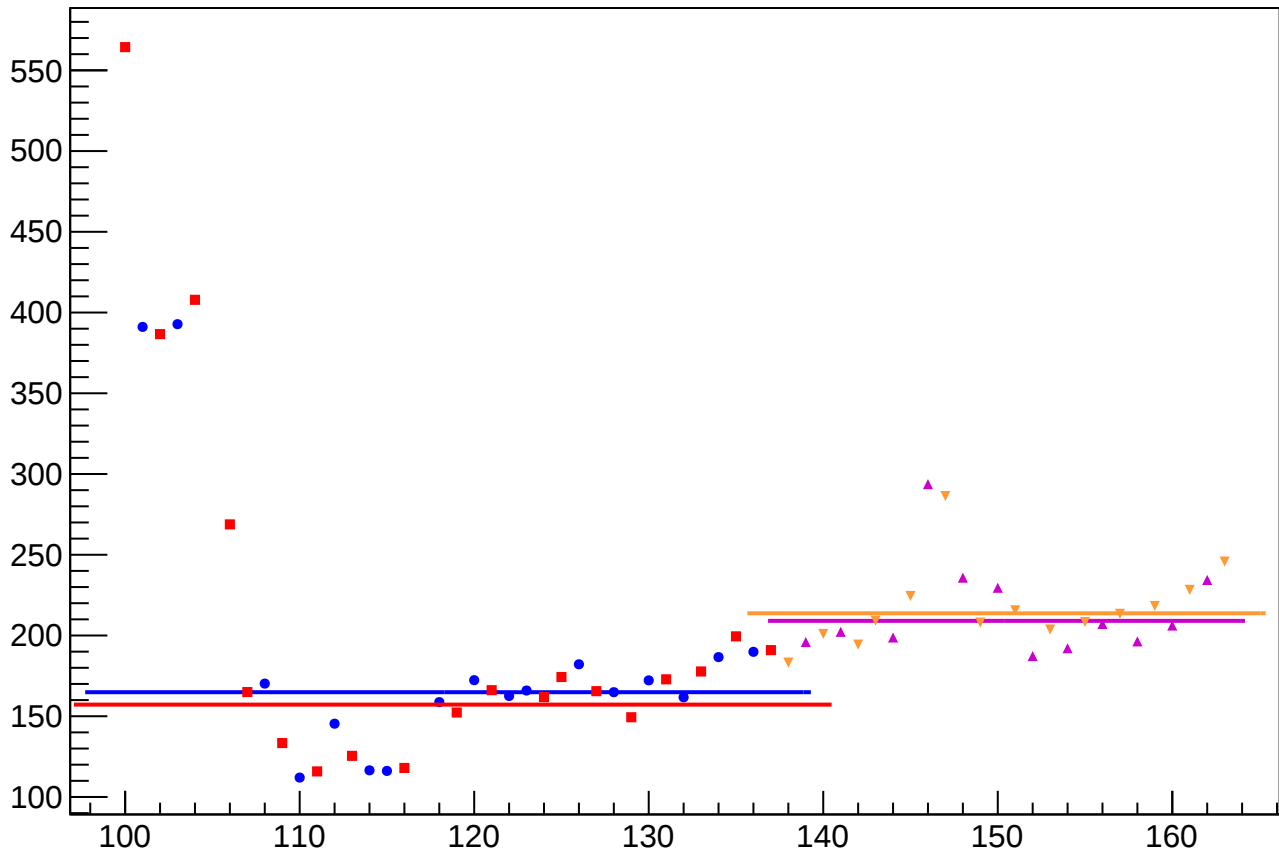
Left In: 141321.599 $\pm$ 0.068 χ^2 /NDF: 492531724.1/11

+ sign 140601.086 $\pm$ 0.048 χ^2 /NDF: 1094527071.4

All: 140510.985 $\pm$ 0.033 χ^2 /NDF: 195142016

- sign 140425.804 $\pm$ 0.046 χ^2 /NDF: 849931631.5/3

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 ± 0.048 χ^2/NDF : 1066270.8/16

Left Out: 213.762 ± 0.047 χ^2/NDF : 196508.4/13

Right Out: 157.207 ± 0.045 χ^2/NDF : 1245030.9/18

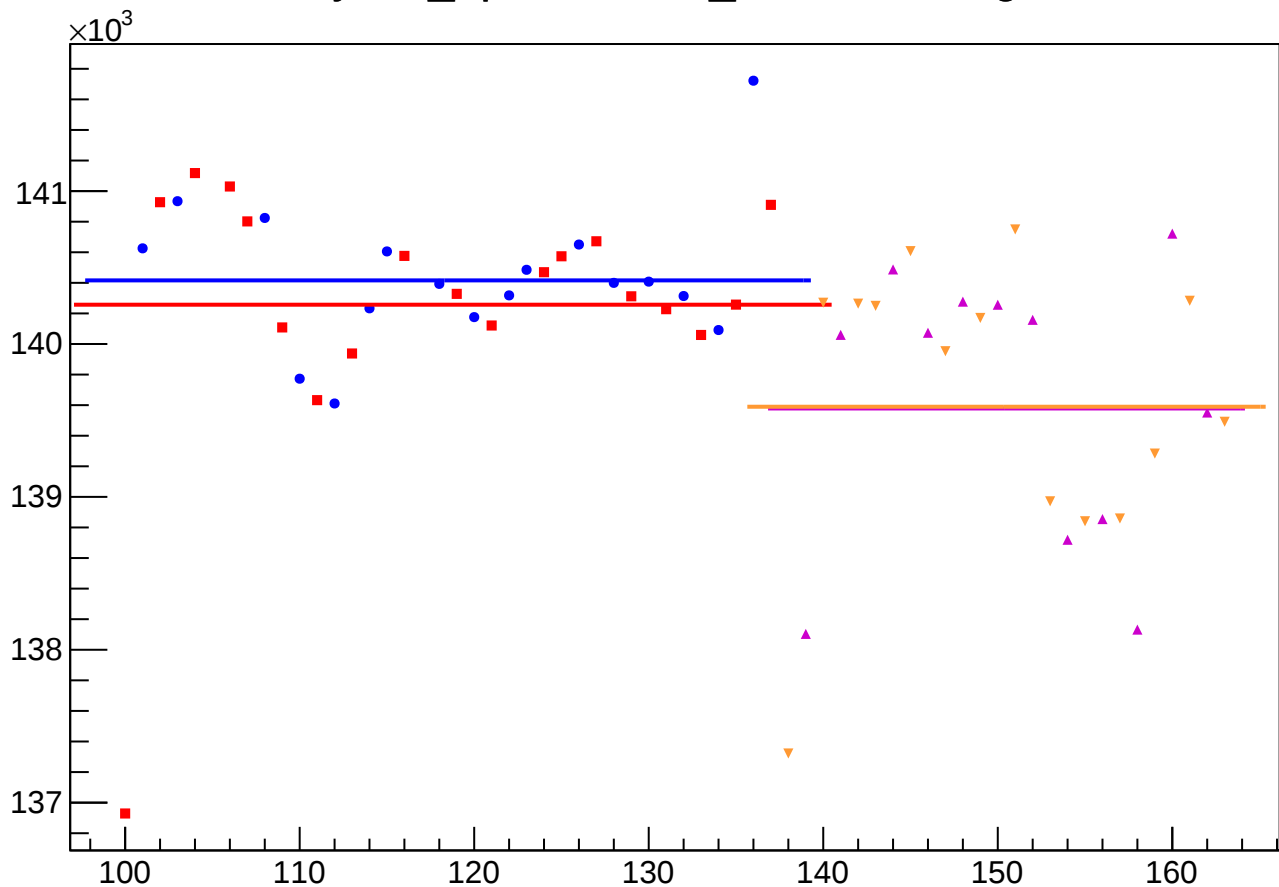
Left In: 209.071 ± 0.048 χ^2/NDF : 234932.0/11

+ sign 189.623 ± 0.034 χ^2/NDF : 1789242.8/30

All: 185.230 ± 0.023 χ^2/NDF : 3925414.6/61

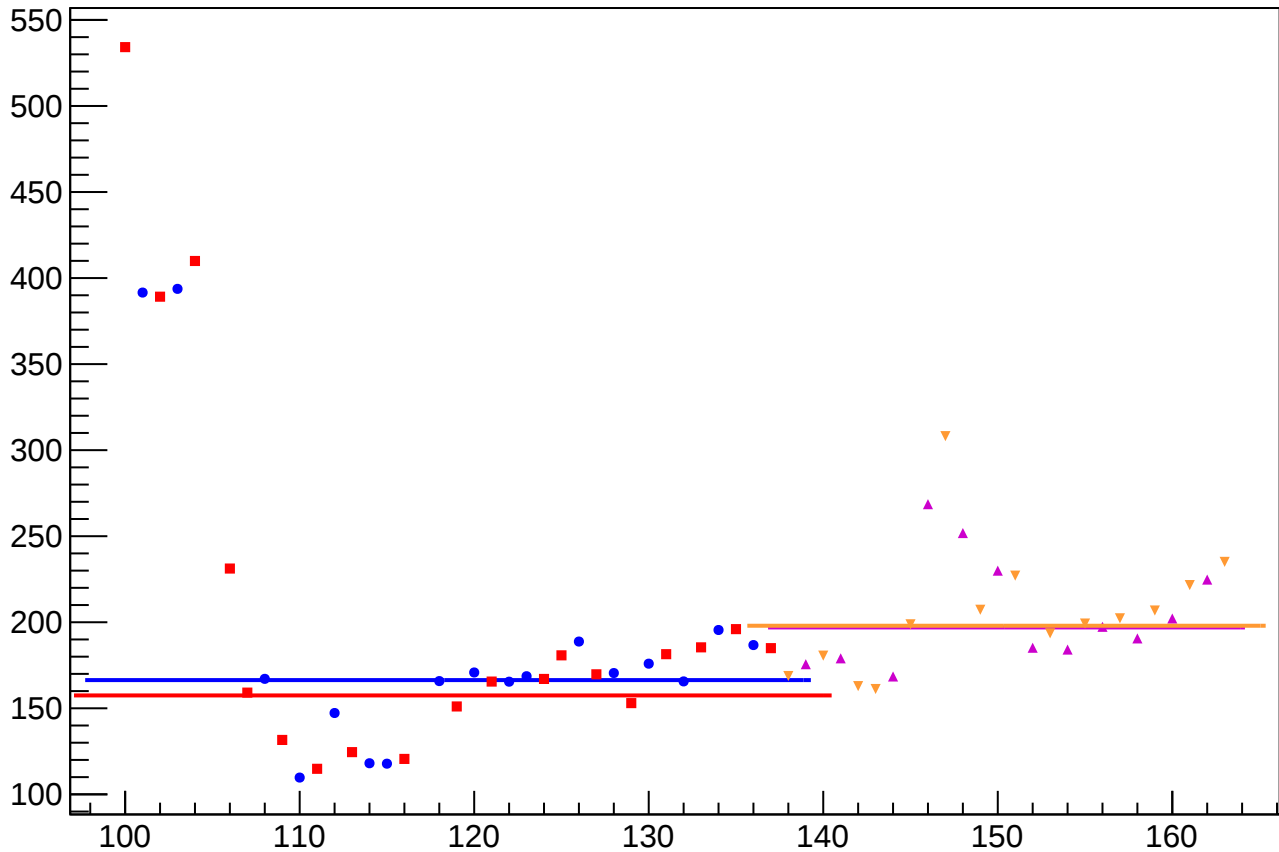
- sign 181.077 ± 0.033 χ^2/NDF : 2103077.1/30

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 $\pm$ 0.068	χ^2 /NDF: 69975821.3/16	+ sign 139965.092 $\pm$ 0.046	χ^2 /NDF: 391985233.7/3
Left Out: 139589.632 $\pm$ 0.062	χ^2 /NDF: 242334583.8/13	All: 139944.306 $\pm$ 0.032	χ^2 /NDF: 689596343
Right Out: 140256.992 $\pm$ 0.063	χ^2 /NDF: 38063371.4/18	- sign 139924.416 $\pm$ 0.045	χ^2 /NDF: 297213269.2/3
Left In: 139578.183 $\pm$ 0.064	χ^2 /NDF: 202528446.5/11		

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 χ^2/NDF : 1080964.8/16

Left Out: 197.973 ± 0.044 χ^2/NDF : 449598.2/13

+ sign 183.623 ± 0.033 χ^2/NDF : 1763321.0/30

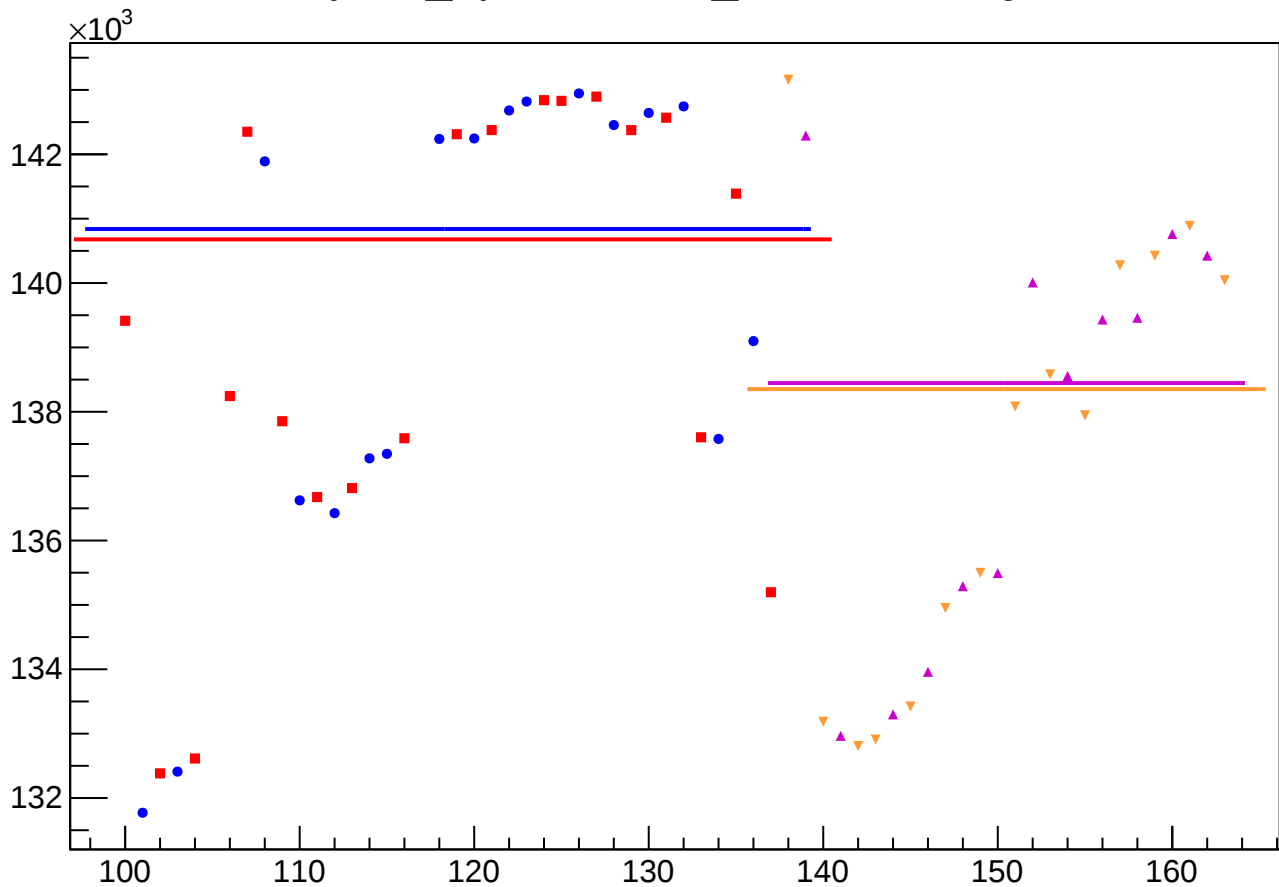
Right Out: 157.475 ± 0.045 χ^2/NDF : 1229886.8/18

All: 180.153 ± 0.023 χ^2/NDF : 3745172.7/61

Left In: 196.983 ± 0.046 χ^2/NDF : 346177.3/11

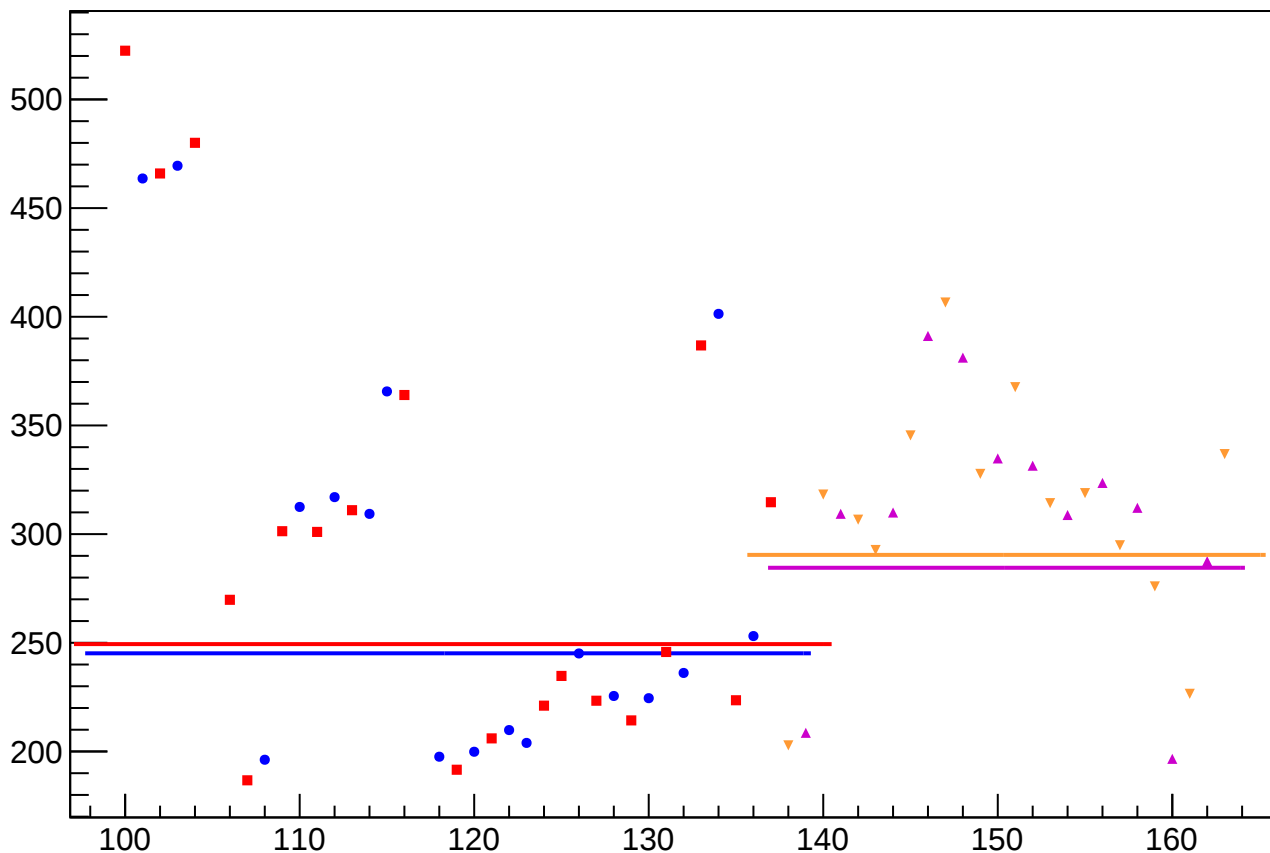
- sign 176.832 ± 0.032 χ^2/NDF : 1959669.3/30

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100	χ^2 /NDF: 822682996.3/16	+ sign 139503.061 $\pm$ 0.068	χ^2 /NDF: 2544792554.3
Left Out: 138352.165 $\pm$ 0.093	χ^2 /NDF: 1389910664.5/13	All: 139509.066 $\pm$ 0.048	χ^2 /NDF: 474667767
Right Out: 140678.513 $\pm$ 0.099	χ^2 /NDF: 840695274.4/18	- sign 139515.166 $\pm$ 0.069	χ^2 /NDF: 2201869416.4/11
Left In: 138446.348 $\pm$ 0.095	χ^2 /NDF: 1096760513.1/11		

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 ± 0.071 χ^2/NDF : 869491.6/16

Left Out: 290.445 ± 0.066 χ^2/NDF : 707462.7/13

Right Out: 249.397 ± 0.070 χ^2/NDF : 1009731.2/18

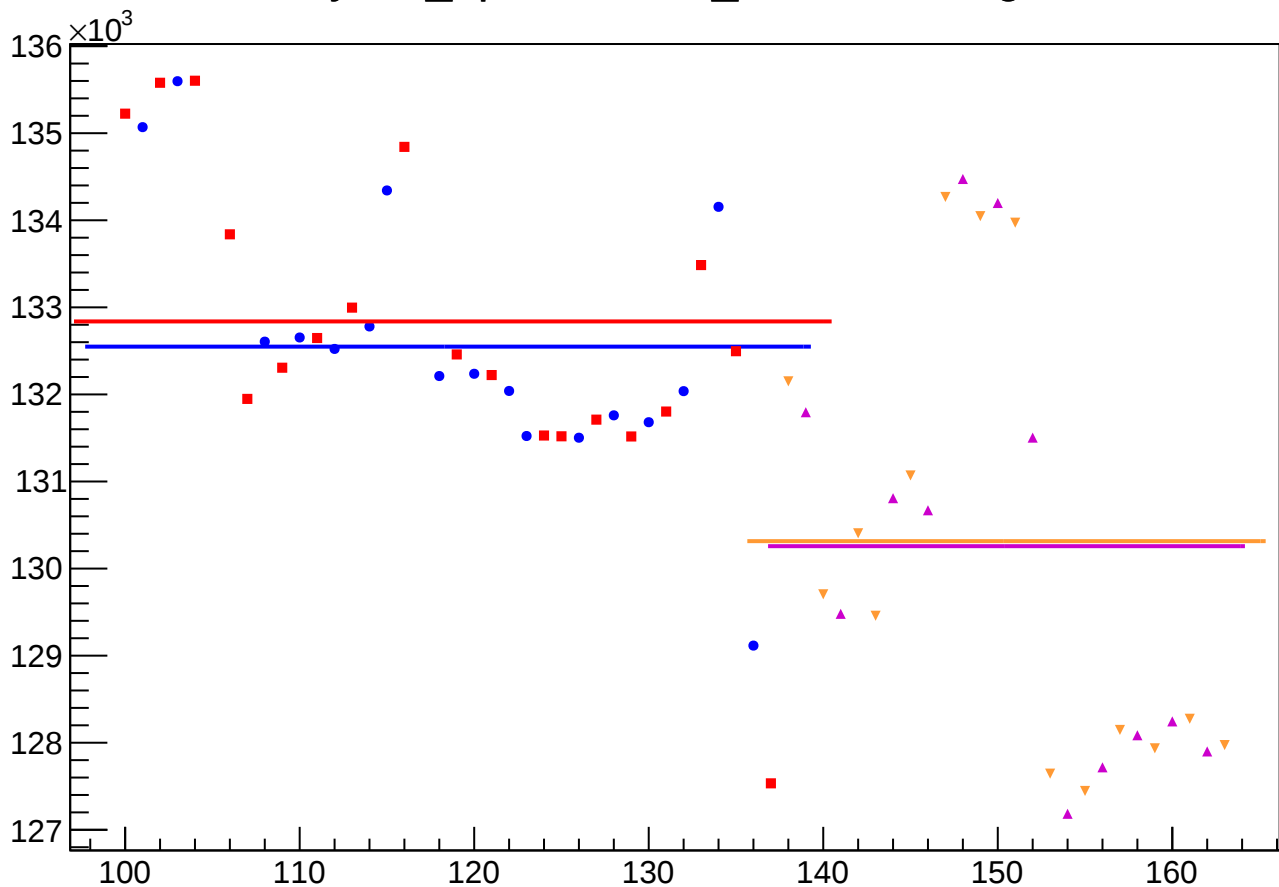
Left In: 284.517 ± 0.067 χ^2/NDF : 835273.0/11

+ sign 269.488 ± 0.048 χ^2/NDF : 1797260.1/30

All: 268.601 ± 0.034 χ^2/NDF : 3773858.5/61

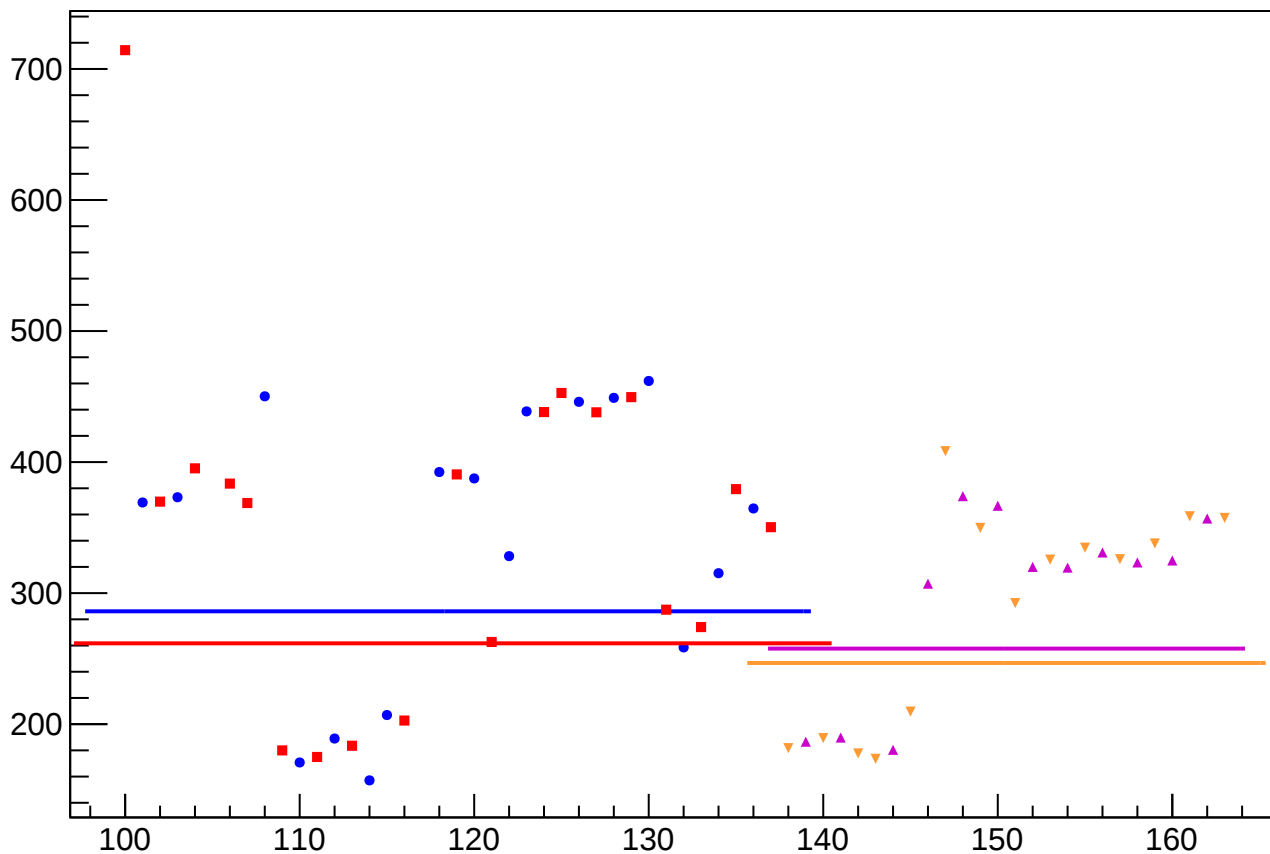
- sign 267.700 ± 0.048 χ^2/NDF : 1975913.5/30

yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 $\pm$ 0.119 χ^2 /NDF: 161115079.9/16
 Left Out: 130314.992 $\pm$ 0.081 χ^2 /NDF: 627586961.1/13
 Right Out: 132838.294 $\pm$ 0.107 χ^2 /NDF: 149611447.6/18
 Left In: 130257.174 $\pm$ 0.087 χ^2 /NDF: 504349247.9/11
 + sign 131018.134 $\pm$ 0.067 χ^2 /NDF: 1028678492.8
 All: 131150.856 $\pm$ 0.048 χ^2 /NDF: 203983378
 - sign 131286.173 $\pm$ 0.068 χ^2 /NDF: 1003223671.0

yield_bpm0r05WS_rms vs Slug



Right In: 286.122 ± 0.084 χ^2/NDF : 1525266.4/16

Left Out: 246.693 ± 0.057 χ^2/NDF : 1832207.2/13

Right Out: 261.686 ± 0.076 χ^2/NDF : 1623174.1/18

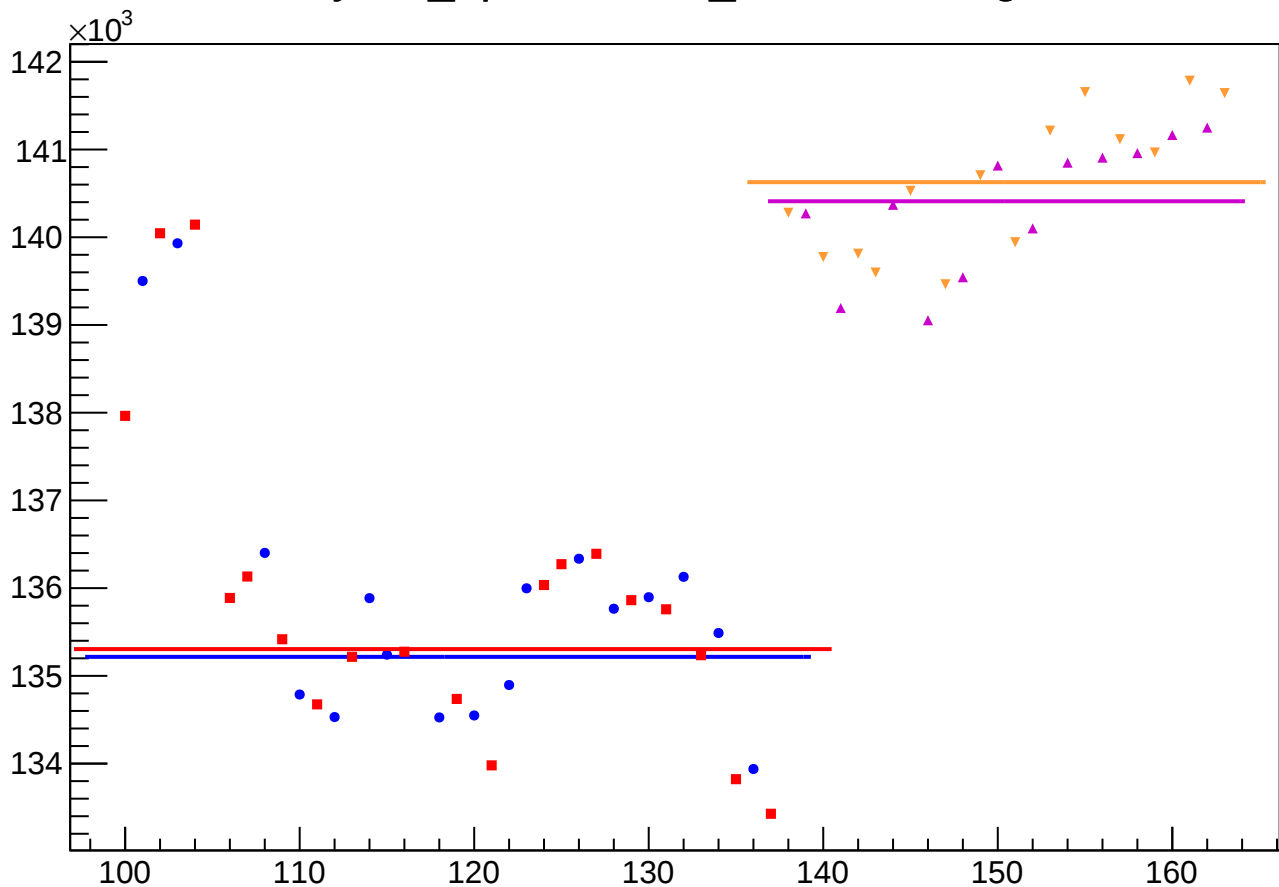
Left In: 257.663 ± 0.062 χ^2/NDF : 1503947.8/11

+ sign 259.104 ± 0.047 χ^2/NDF : 3506996.8/30

All: 259.185 ± 0.034 χ^2/NDF : 6635821.6/61

- sign 259.267 ± 0.048 χ^2/NDF : 3128818.9/30

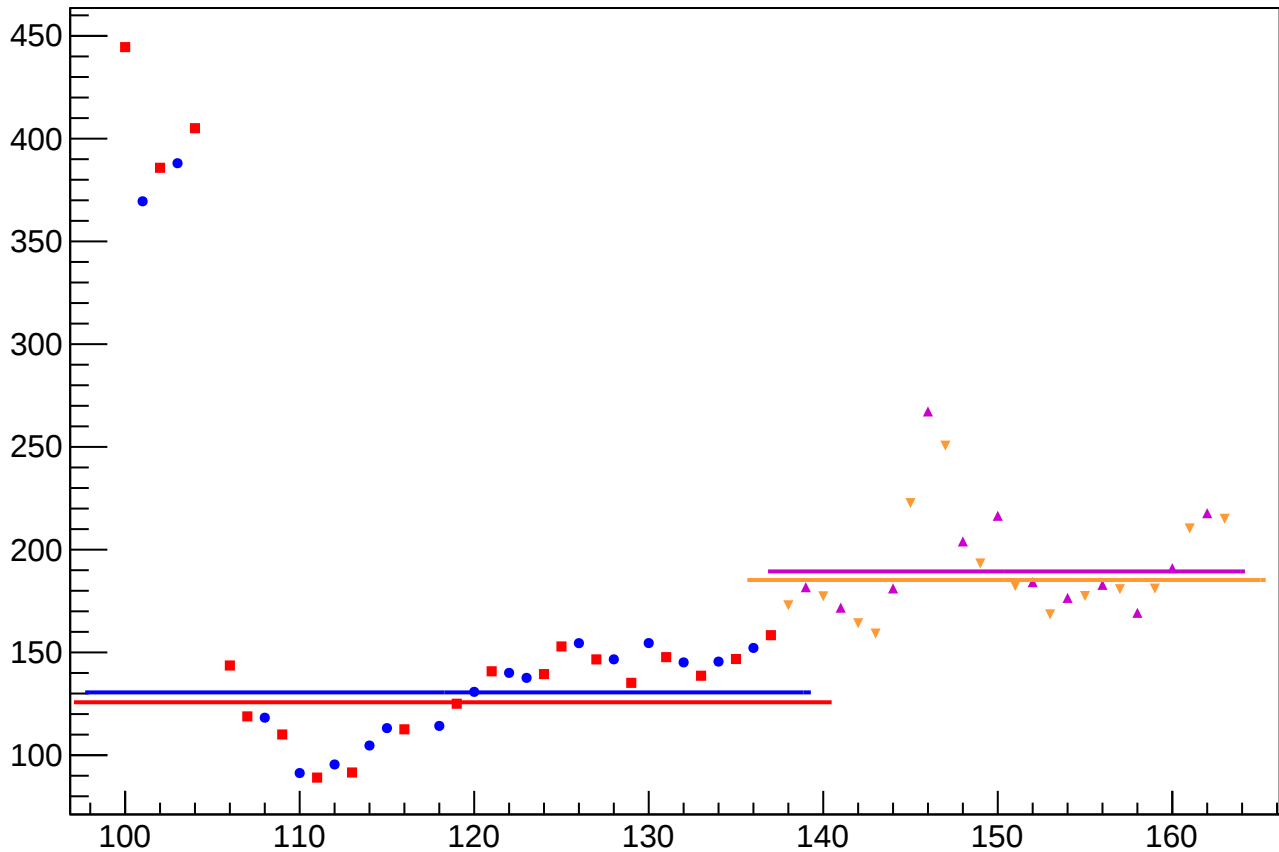
yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 ± 0.054 $\chi^2/\text{NDF}: 371347707.3/16$
 Left Out: 140628.150 ± 0.058 $\chi^2/\text{NDF}: 169142257.4/13$
 Right Out: 135305.135 ± 0.051 $\chi^2/\text{NDF}: 357636841.6/18$
 Left In: 140410.295 ± 0.062 $\chi^2/\text{NDF}: 124020959.2/11$

+ sign 137733.948 ± 0.040 $\chi^2/\text{NDF}: 5151248126.8$
 All: 137553.047 ± 0.028 $\chi^2/\text{NDF}: 971426495$
 - sign 137375.025 ± 0.039 $\chi^2/\text{NDF}: 4521926239.5$

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 ± 0.038 χ^2/NDF : 1373104.9/16

Left Out: 185.234 ± 0.041 χ^2/NDF : 275480.0/13

+ sign 155.989 ± 0.028 χ^2/NDF : 2590149.3/30

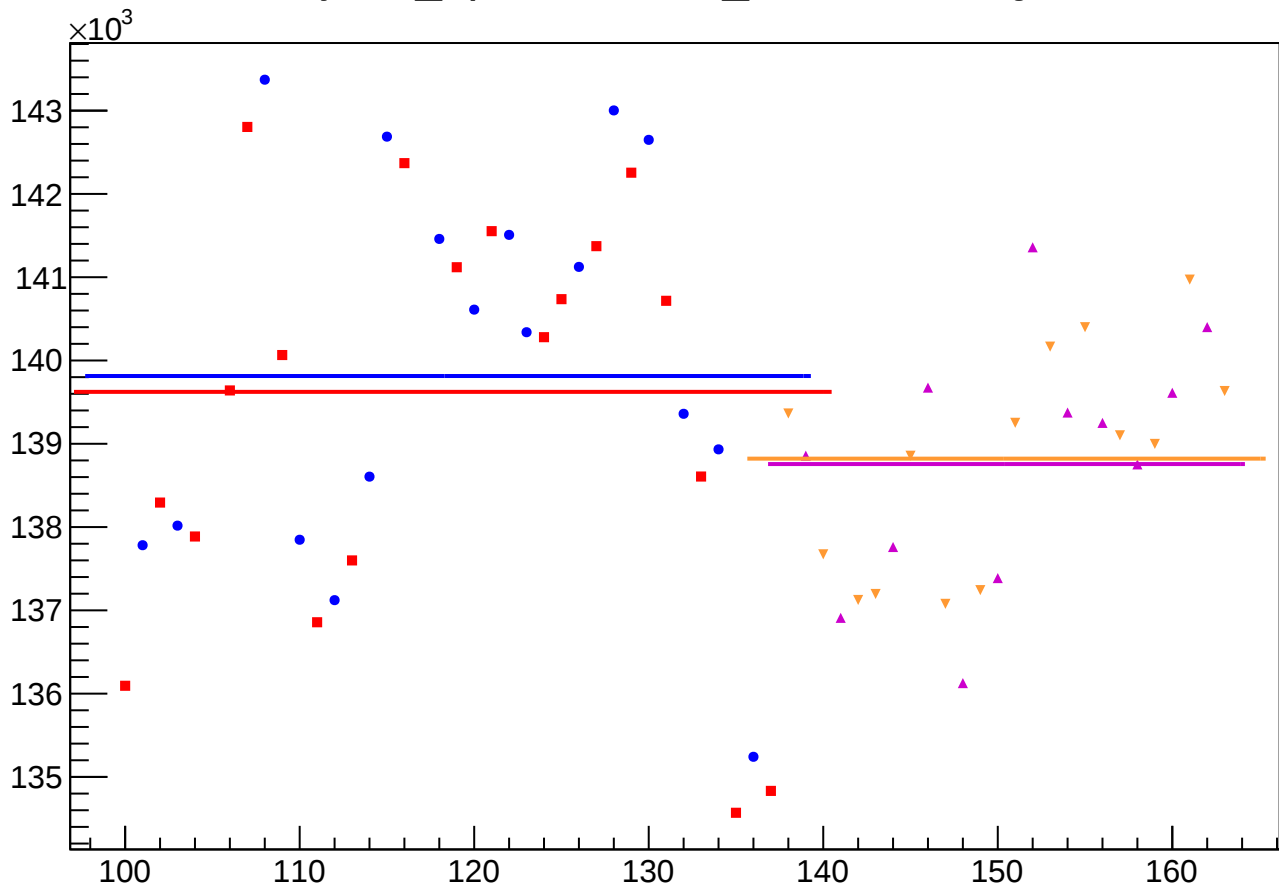
Right Out: 125.746 ± 0.036 χ^2/NDF : 1440002.5/18

All: 153.756 ± 0.020 χ^2/NDF : 5544072.4/61

- sign 151.560 ± 0.028 χ^2/NDF : 2941408.8/30

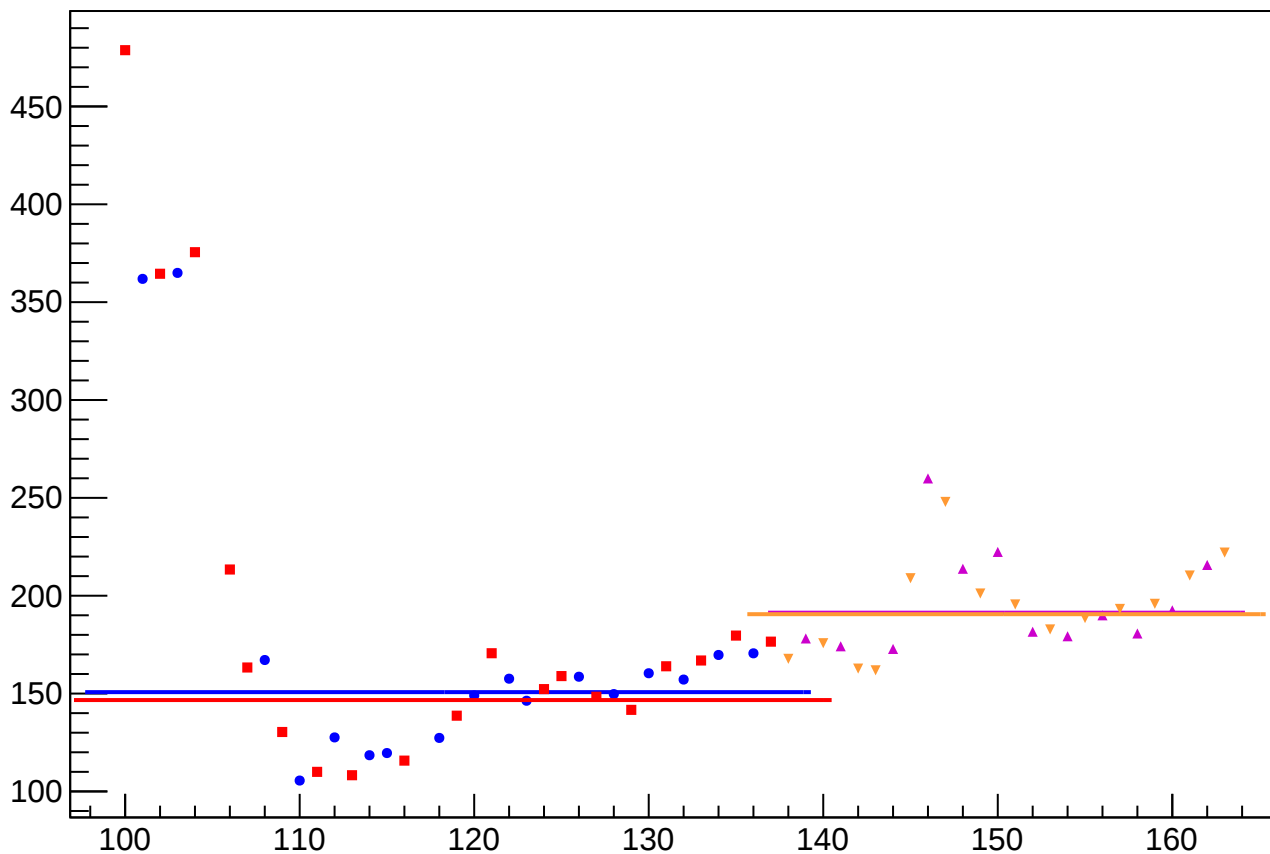
Left In: 189.413 ± 0.044 χ^2/NDF : 244630.1/11

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 $\pm$ 0.062	χ^2 /NDF: 1689865533.6/16	+ sign 139302.617 $\pm$ 0.043	χ^2 /NDF: 2250866676.7
Left Out: 138821.561 $\pm$ 0.060	χ^2 /NDF: 428773504.3/13	All: 139258.905 $\pm$ 0.030	χ^2 /NDF: 437771952
Right Out: 139623.387 $\pm$ 0.059	χ^2 /NDF: 1505731109.1/18	- sign 139215.541 $\pm$ 0.043	χ^2 /NDF: 2124805660.8/
Left In: 138756.528 $\pm$ 0.063	χ^2 /NDF: 517577173.3/11		

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733 ± 0.044 χ^2/NDF : 1050071.6/16

Left Out: 190.560 ± 0.042 χ^2/NDF : 248554.2/13

Right Out: 146.686 ± 0.042 χ^2/NDF : 1203106.6/18

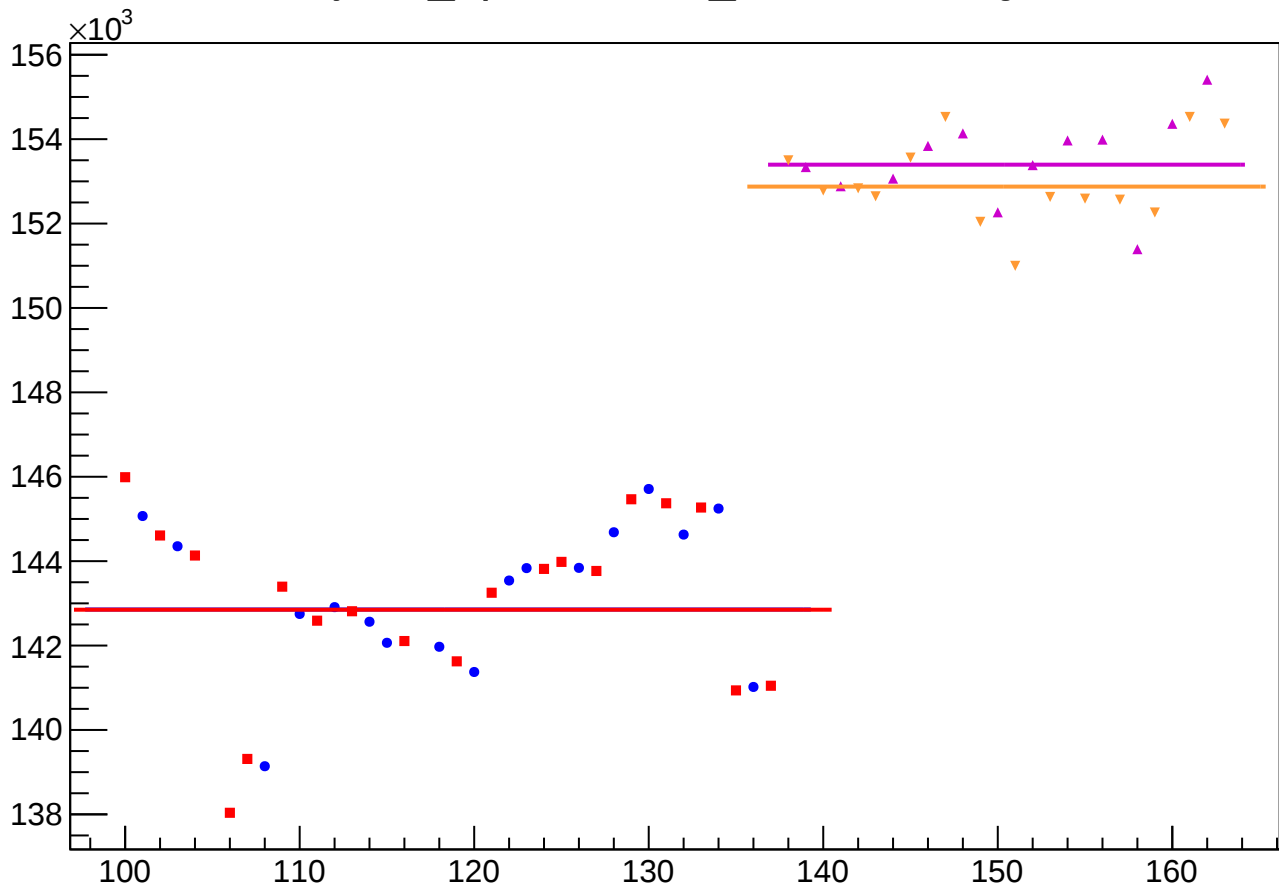
Left In: 191.331 ± 0.044 χ^2/NDF : 236481.0/11

+ sign 171.249 ± 0.030 χ^2/NDF : 1724815.7/30

All: 169.463 ± 0.022 χ^2/NDF : 3709691.9/61

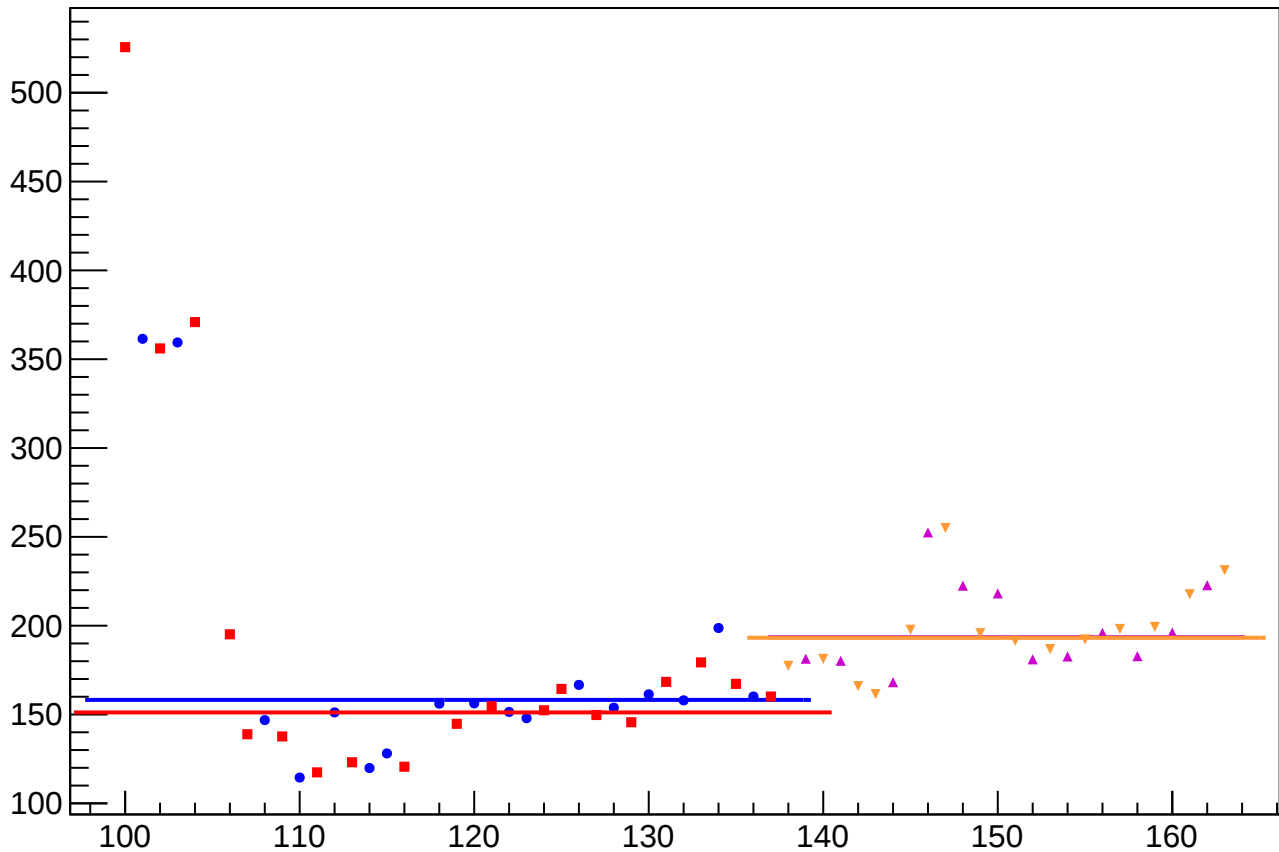
- sign 167.691 ± 0.030 χ^2/NDF : 1978041.0/30

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065	χ^2 /NDF: 740367386.5/16	+ sign 148172.188 $\pm$ 0.044	χ^2 /NDF: 13713789377.
Left Out: 152875.906 $\pm$ 0.061	χ^2 /NDF: 227368619.8/13	All: 148024.792 $\pm$ 0.031	χ^2 /NDF: 293726030
Right Out: 142849.362 $\pm$ 0.060	χ^2 /NDF: 850066807.5/18	- sign 147881.553 $\pm$ 0.044	χ^2 /NDF: 15636985229.7
Left In: 153395.507 $\pm$ 0.063	χ^2 /NDF: 237867933.4/11		

yield_bpm0i05WS_rms vs Slug



Right In: 158.233 $\pm$ 0.046 χ^2 /NDF: 883513.4/16

Left Out: 193.213 $\pm$ 0.043 χ^2 /NDF: 245834.9/13

Right Out: 151.174 $\pm$ 0.043 χ^2 /NDF: 1003301.6/18

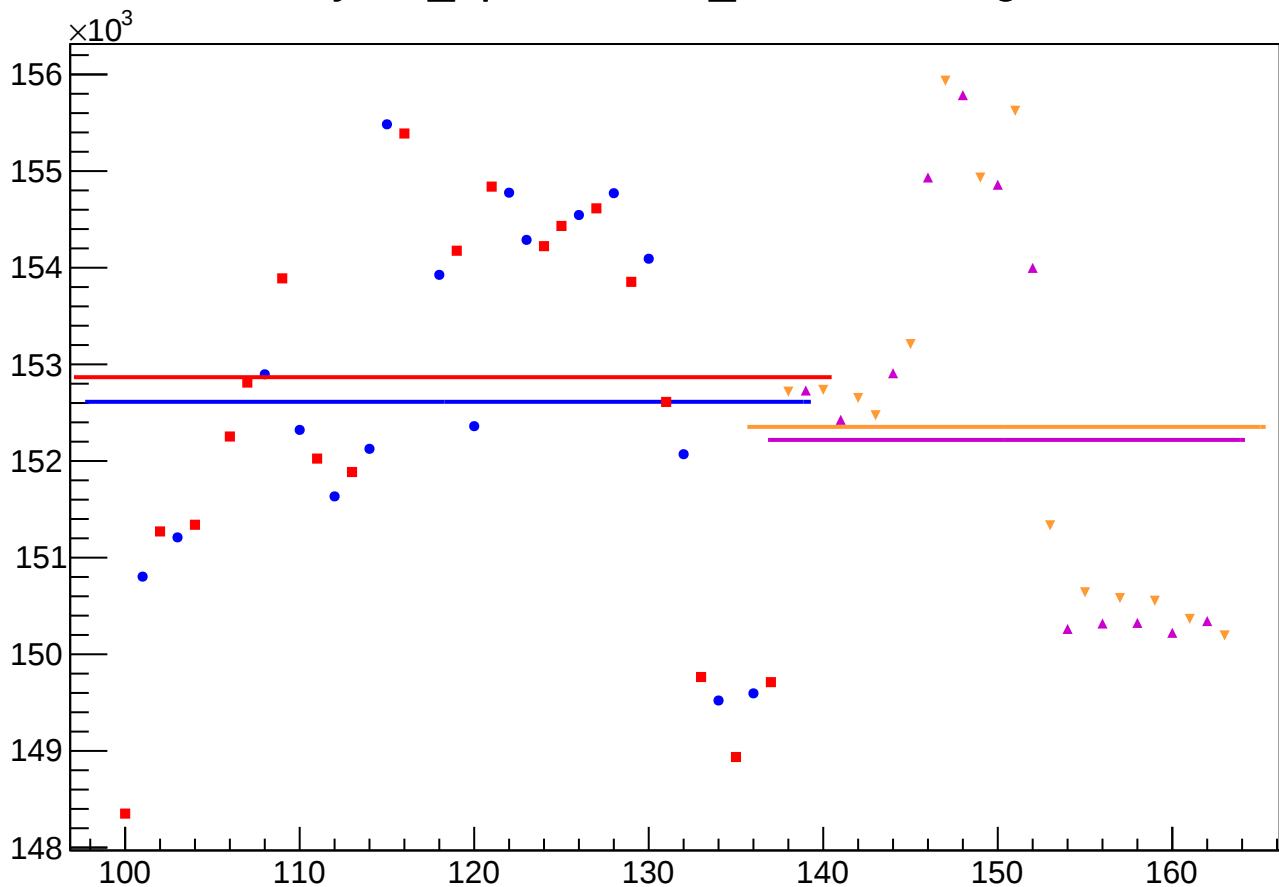
Left In: 193.534 $\pm$ 0.045 χ^2 /NDF: 232675.7/11

+ sign 176.795 $\pm$ 0.031 χ^2 /NDF: 1439929.5/30

All: 174.052 $\pm$ 0.022 χ^2 /NDF: 3160462.1/61

- sign 171.386 $\pm$ 0.031 χ^2 /NDF: 1705414.4/30

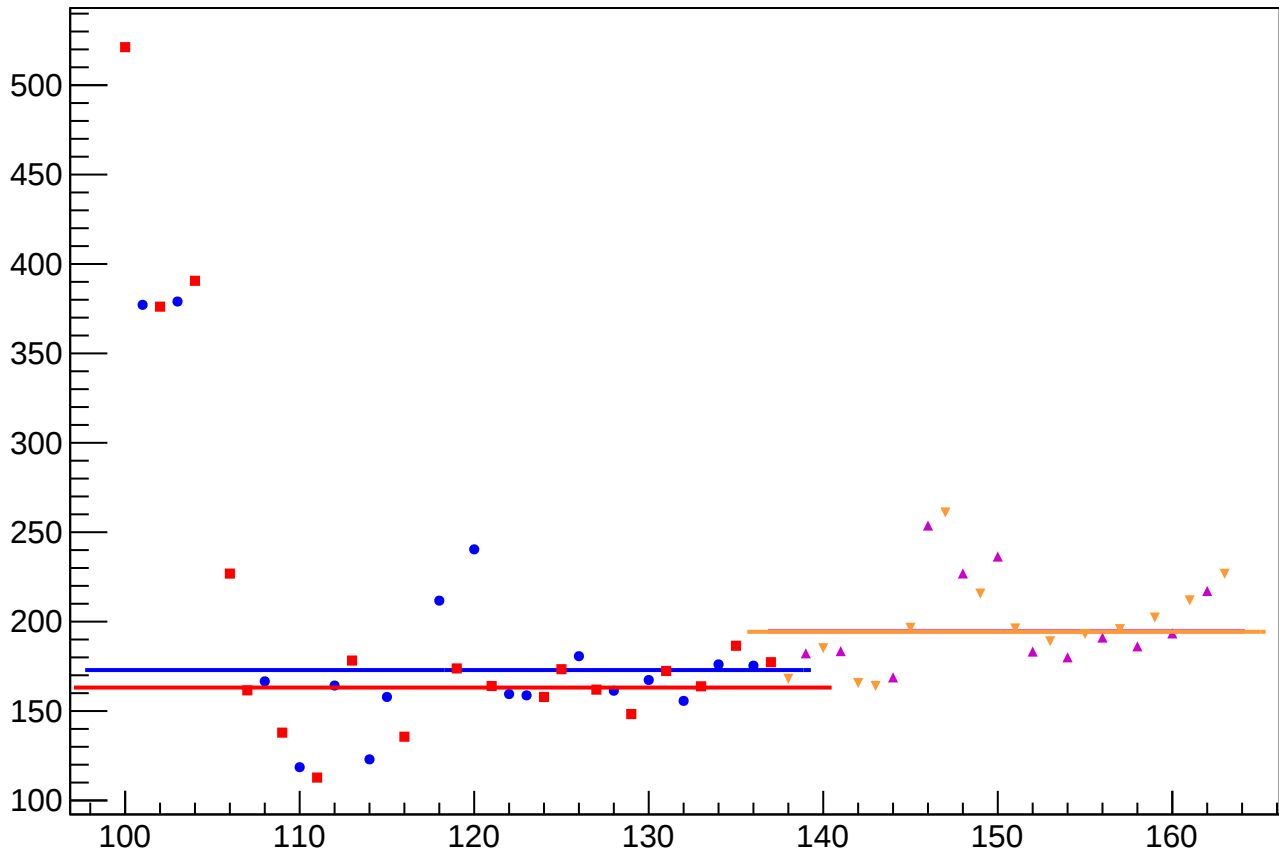
yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16
 Left Out: 152353.153 $\pm$ 0.061 χ^2 /NDF: 850372997.9/13
 Right Out: 152867.453 $\pm$ 0.066 χ^2 /NDF: 719075986.4/18
 Left In: 152218.292 $\pm$ 0.063 χ^2 /NDF: 885068061.0/11

+ sign 152461.047 $\pm$ 0.047 χ^2 /NDF: 1479338115.9
 All: 152495.481 $\pm$ 0.033 χ^2 /NDF: 313469507
 - sign 152528.826 $\pm$ 0.046 χ^2 /NDF: 1654279390.3/

yield_bpm0i07WS_rms vs Slug



Right In: 172.921 ± 0.051 χ^2/NDF : 941954.0/16

Left Out: 194.320 ± 0.043 χ^2/NDF : 270772.5/13

Right Out: 163.138 ± 0.047 χ^2/NDF : 1033751.2/18

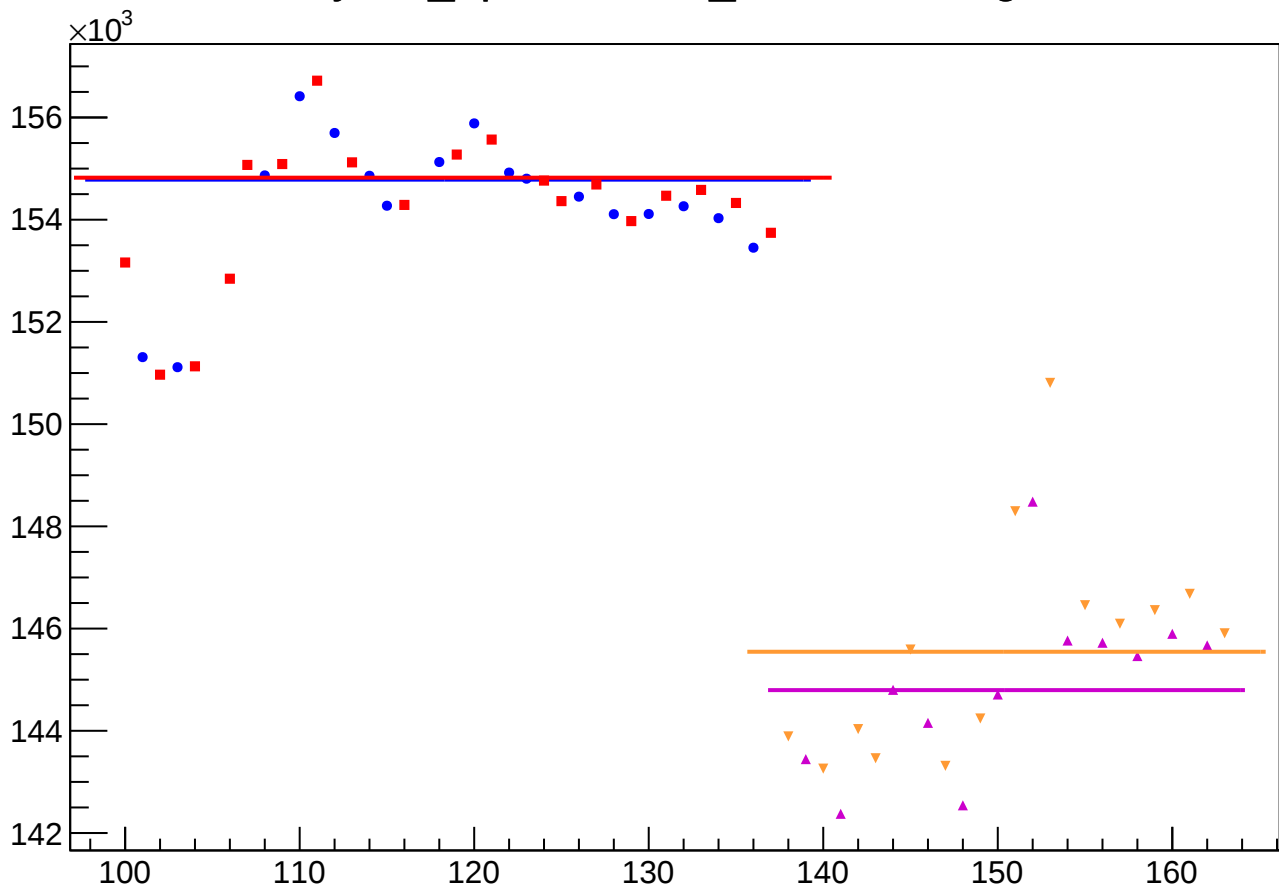
Left In: 194.559 ± 0.045 χ^2/NDF : 259855.5/11

+ sign 185.420 ± 0.033 χ^2/NDF : 1315446.4/30

All: 182.427 ± 0.023 χ^2/NDF : 2860252.9/61

- sign 179.529 ± 0.032 χ^2/NDF : 1528522.3/30

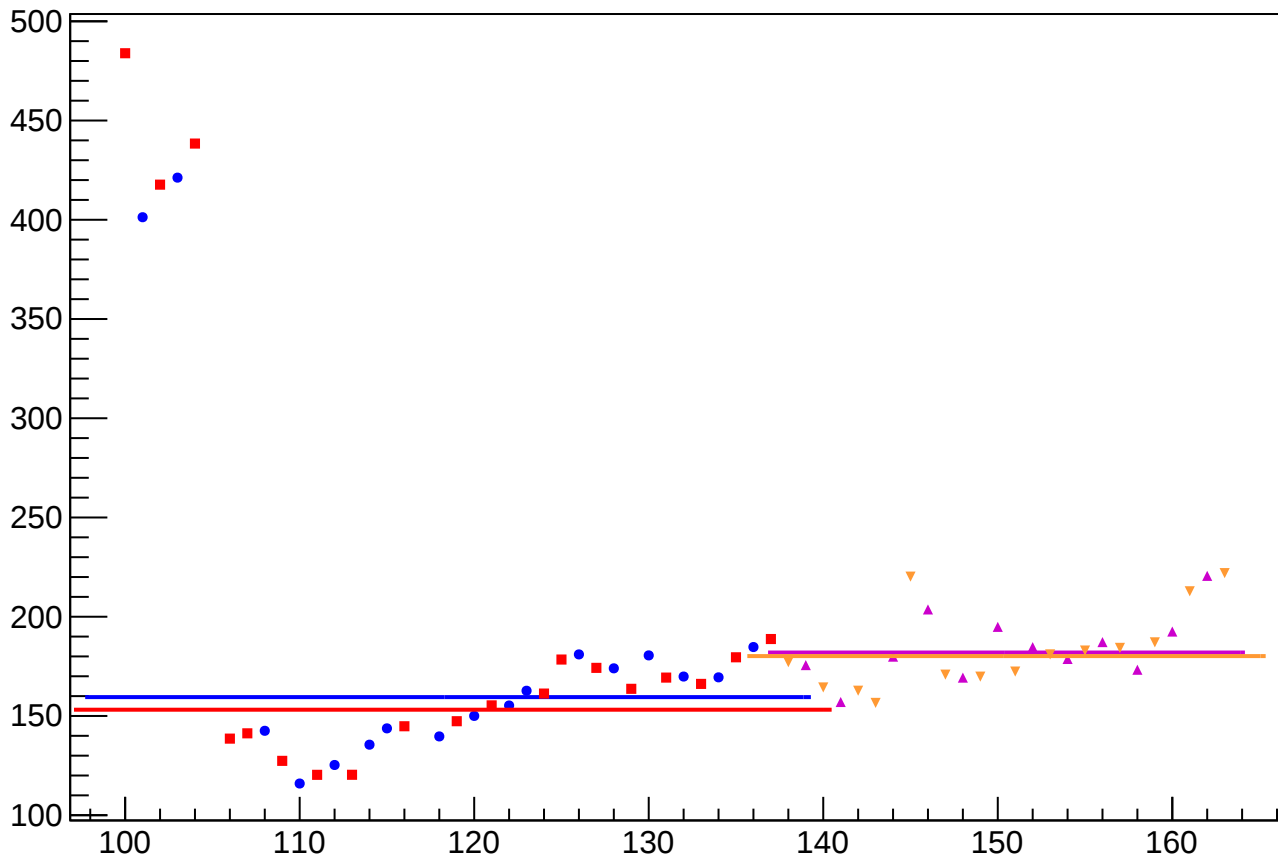
yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16
 Left Out: 145546.692 $\pm$ 0.056 χ^2 /NDF: 1481718050.5/13
 Right Out: 154822.113 $\pm$ 0.061 χ^2 /NDF: 293850525.9/18
 Left In: 144795.986 $\pm$ 0.059 χ^2 /NDF: 808150011.3/11

+ sign 149477.114 $\pm$ 0.043 χ^2 /NDF: 13219538175.
 All: 149562.549 $\pm$ 0.030 χ^2 /NDF: 283255928.
 - sign 149646.836 $\pm$ 0.042 χ^2 /NDF: 15098079228.6

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 180.167 $\pm$ 0.040 χ^2 /NDF: 211699.6/13

Right Out: 153.153 $\pm$ 0.043 χ^2 /NDF: 1173739.7/18

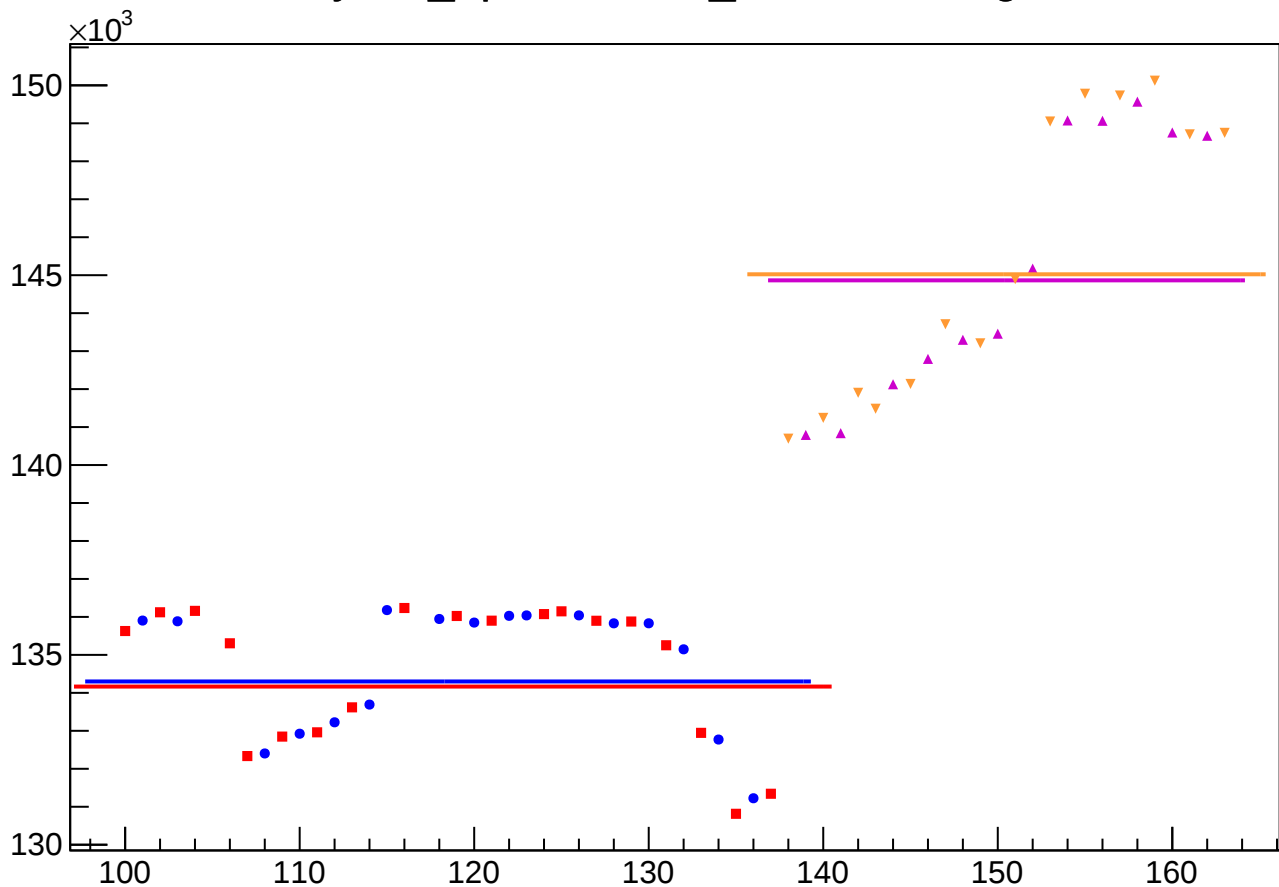
Left In: 181.965 $\pm$ 0.042 χ^2 /NDF: 136550.9/11

+ sign 171.375 $\pm$ 0.030 χ^2 /NDF: 1458357.7/30

All: 169.689 $\pm$ 0.021 χ^2 /NDF: 3006012.5/61

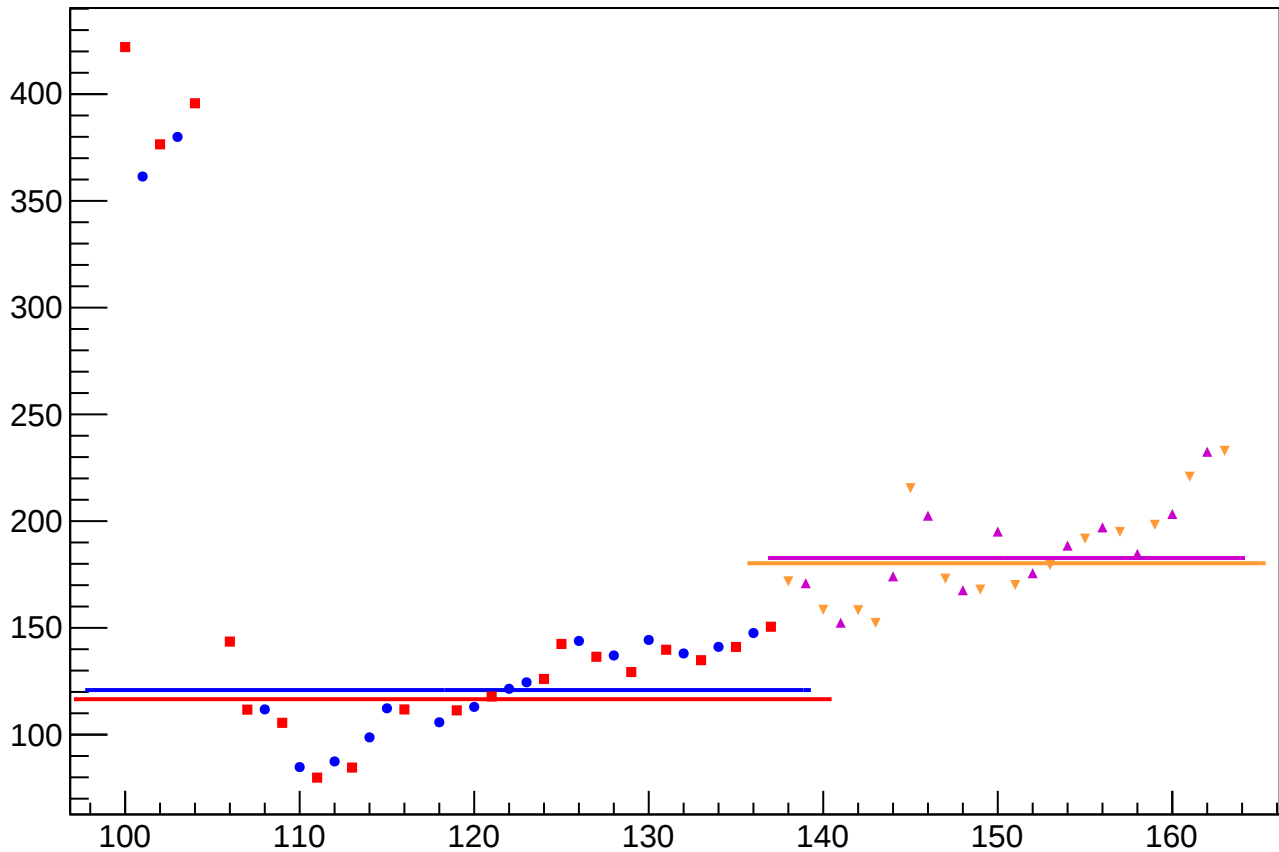
- sign 168.025 $\pm$ 0.030 χ^2 /NDF: 1541442.0/30

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16
 Left Out: 145023.775 $\pm$ 0.056 χ^2 /NDF: 3949856407.8/13
 Right Out: 134165.615 $\pm$ 0.047 χ^2 /NDF: 1211471052.4/18
 Left In: 144864.075 $\pm$ 0.059 χ^2 /NDF: 3162363006.6/11
 All: 138684.989 $\pm$ 0.026 χ^2 /NDF: 495952523
 + sign 139050.808 $\pm$ 0.038 χ^2 /NDF: 25201819551.
 - sign 138329.447 $\pm$ 0.037 χ^2 /NDF: 24206489579.2

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 180.279 $\pm$ 0.040 χ^2 /NDF:307997.4/13

Right Out: 116.595 $\pm$ 0.034 χ^2 /NDF: 1541338.5/18

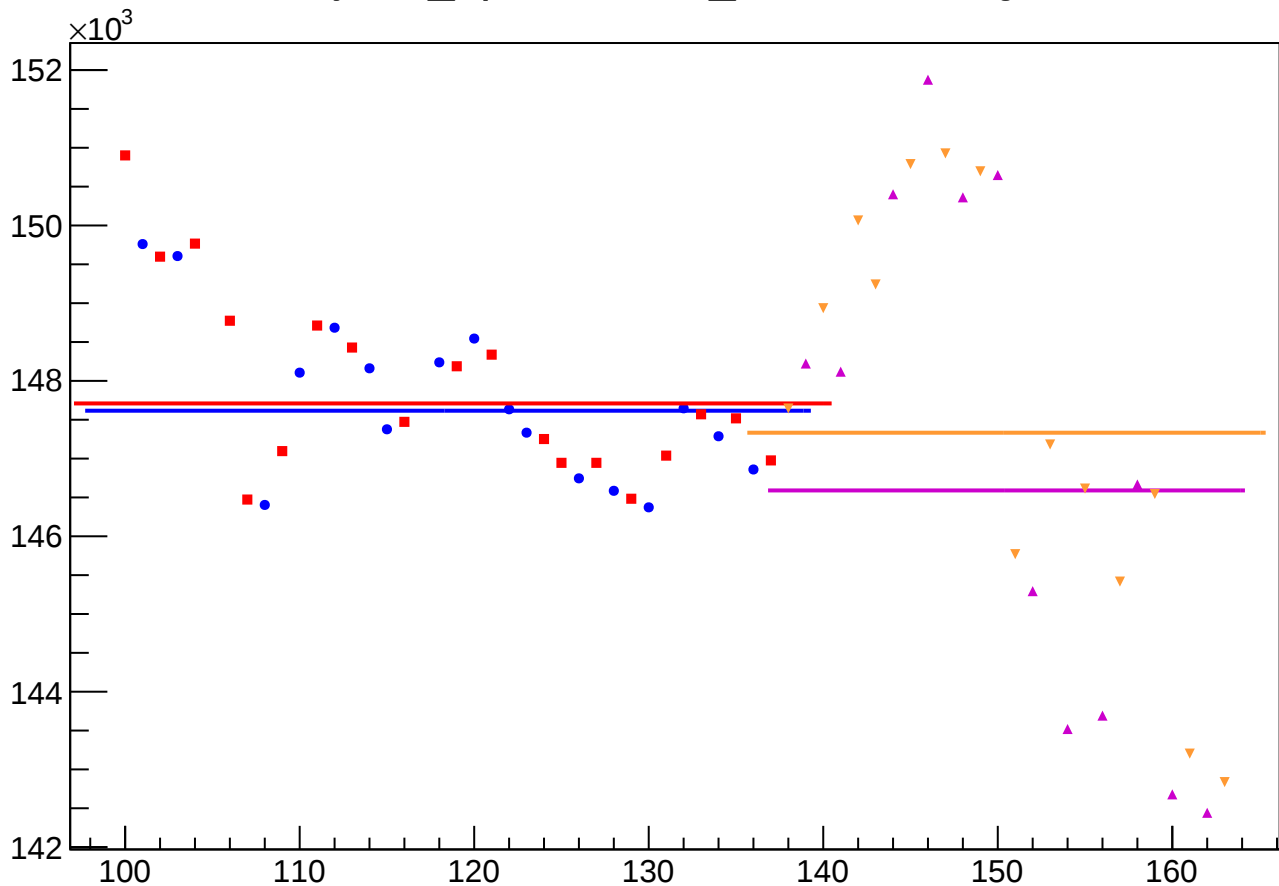
Left In: 182.727 $\pm$ 0.042 χ^2 /NDF:210521.1/11

+ sign 147.191 $\pm$ 0.027 χ^2 /NDF: 3005557.3/30

All: 144.727 $\pm$ 0.019 χ^2 /NDF: 6290030.2/61

- sign 142.333 $\pm$ 0.026 χ^2 /NDF: 3267522.4/30

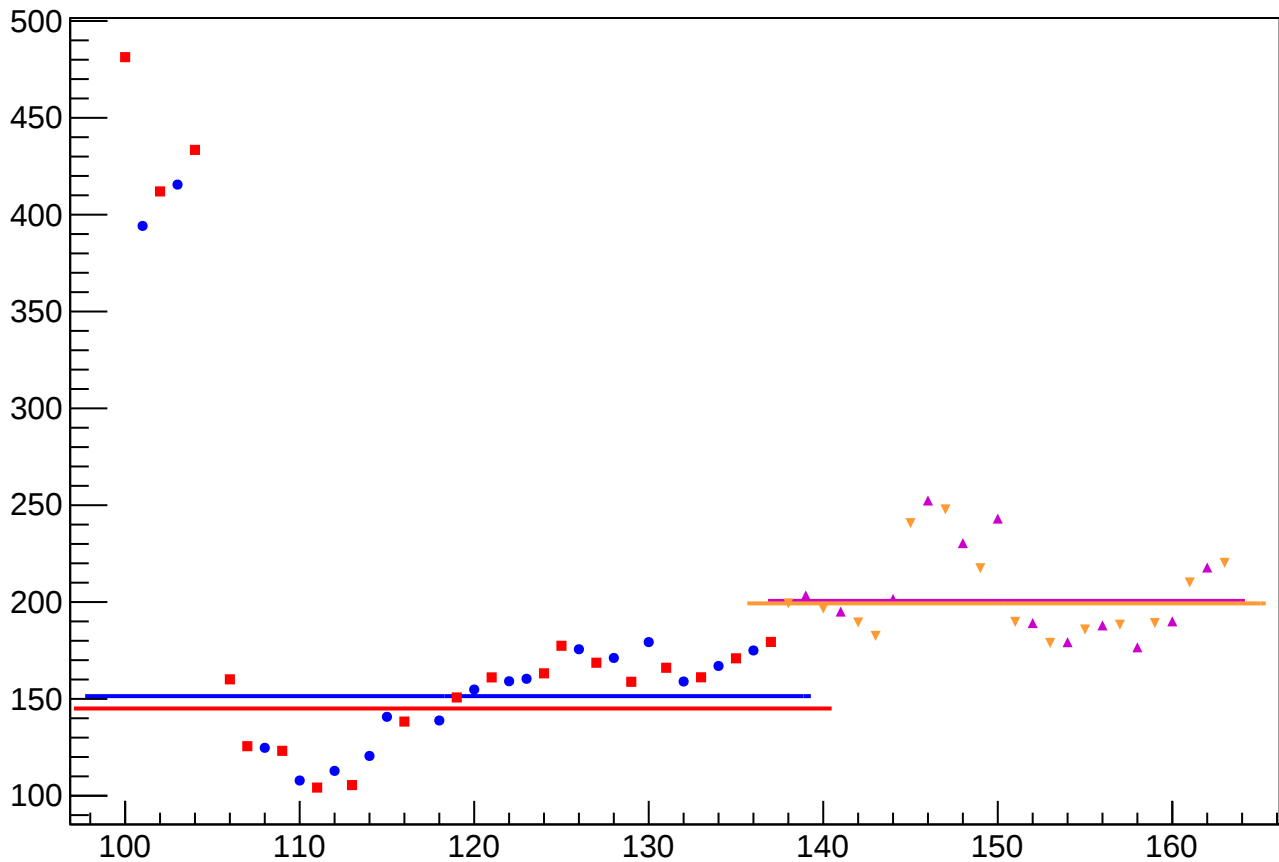
yield_bpm1i06WS_mean vs Slug



Right In: 147616.150+/-0.062 χ^2 /NDF: 199263428.7/16
 Left Out: 147332.995+/-0.062 χ^2 /NDF: 1494374388.4/13
 Right Out: 147709.723+/-0.058 χ^2 /NDF: 203906685.9/18
 Left In: 146590.168+/-0.065 χ^2 /NDF: 2273100494.9/11

+ sign 147474.117+/-0.044 χ^2 /NDF: 1703938871.4
 All: 147341.087+/-0.031 χ^2 /NDF: 436269518
 - sign 147211.922+/-0.043 χ^2 /NDF: 2640830737.5/

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 199.309 $\pm$ 0.044 χ^2 /NDF:189556.1/13

Right Out: 145.039 $\pm$ 0.041 χ^2 /NDF: 1375972.0/18

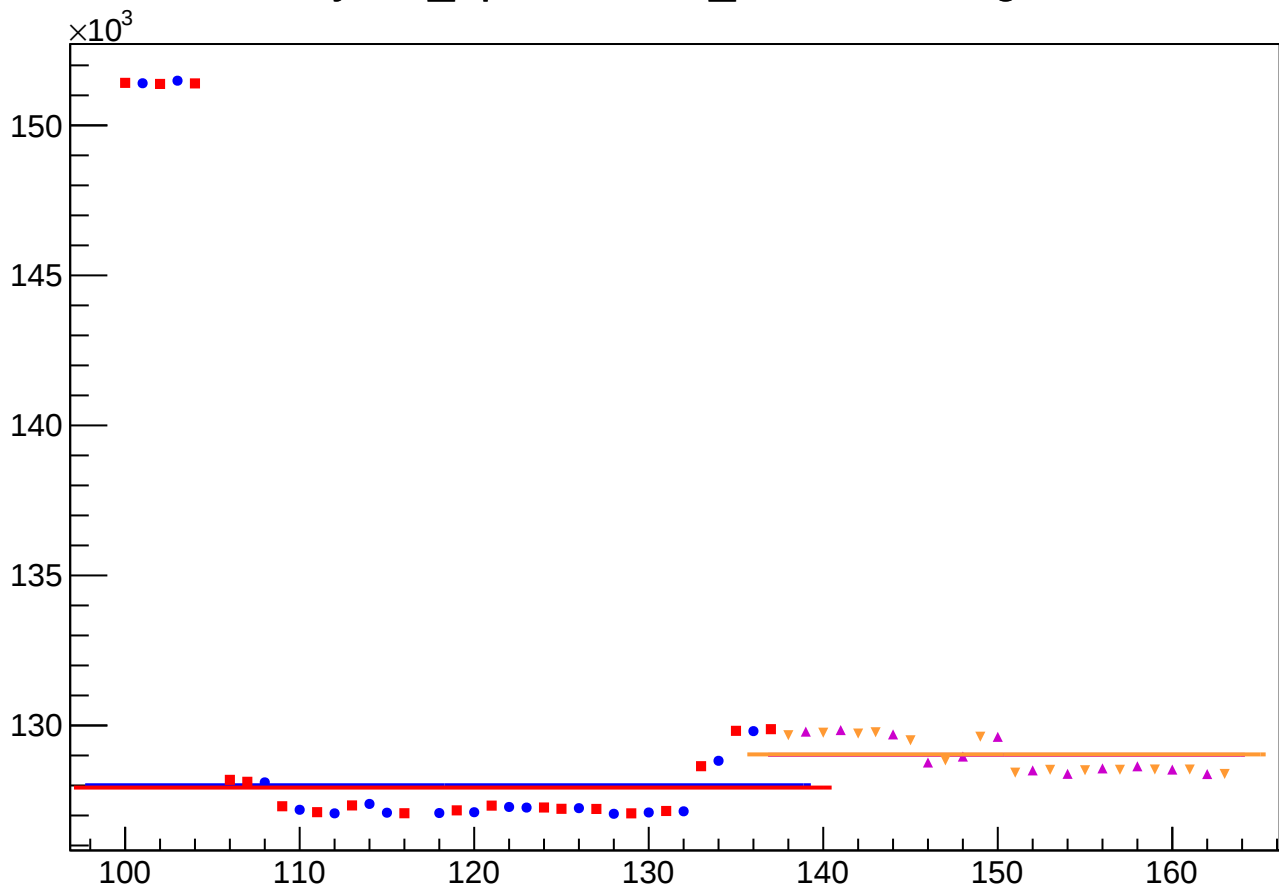
Left In: 200.592 $\pm$ 0.046 χ^2 /NDF:228412.5/11

+ sign 175.443 $\pm$ 0.031 χ^2 /NDF: 2036594.8/30

All: 172.550 $\pm$ 0.022 χ^2 /NDF: 4464670.6/61

- sign 169.741 $\pm$ 0.031 χ^2 /NDF: 2411115.1/30

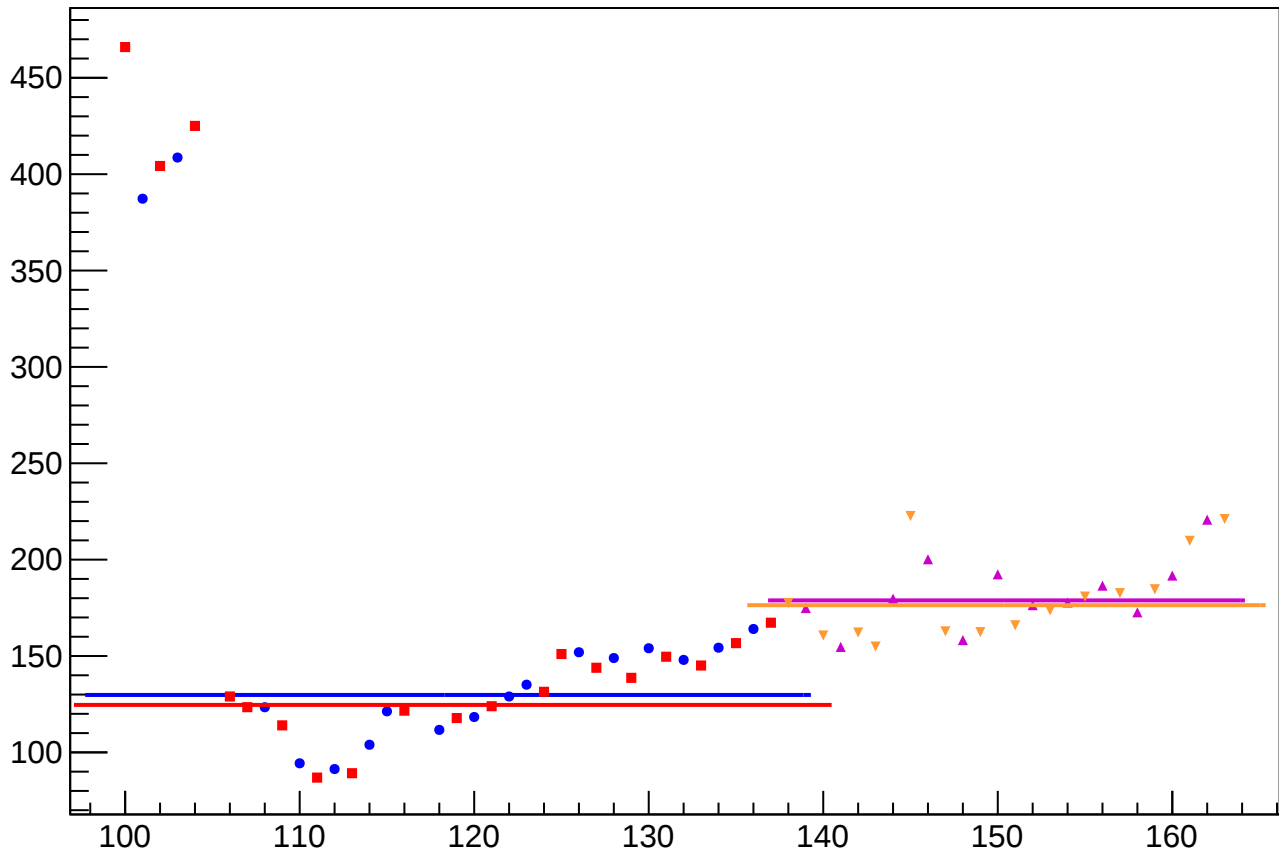
yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16
 Left Out: 129035.850 $\pm$ 0.055 χ^2 /NDF: 109971307.1/13
 Right Out: 127930.136 $\pm$ 0.050 χ^2 /NDF: 3768176193.0/18
 Left In: 129020.521 $\pm$ 0.058 χ^2 /NDF: 96618352.7/11

+ sign 128512.835 $\pm$ 0.039 χ^2 /NDF: 4607224851.8
 All: 128455.119 $\pm$ 0.027 χ^2 /NDF: 867787103
 - sign 128399.070 $\pm$ 0.038 χ^2 /NDF: 4066238478.9

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16

Left Out: 176.367 $\pm$ 0.039 χ^2 /NDF: 249216.1/13

Right Out: 124.625 $\pm$ 0.036 χ^2 /NDF: 1531827.4/18

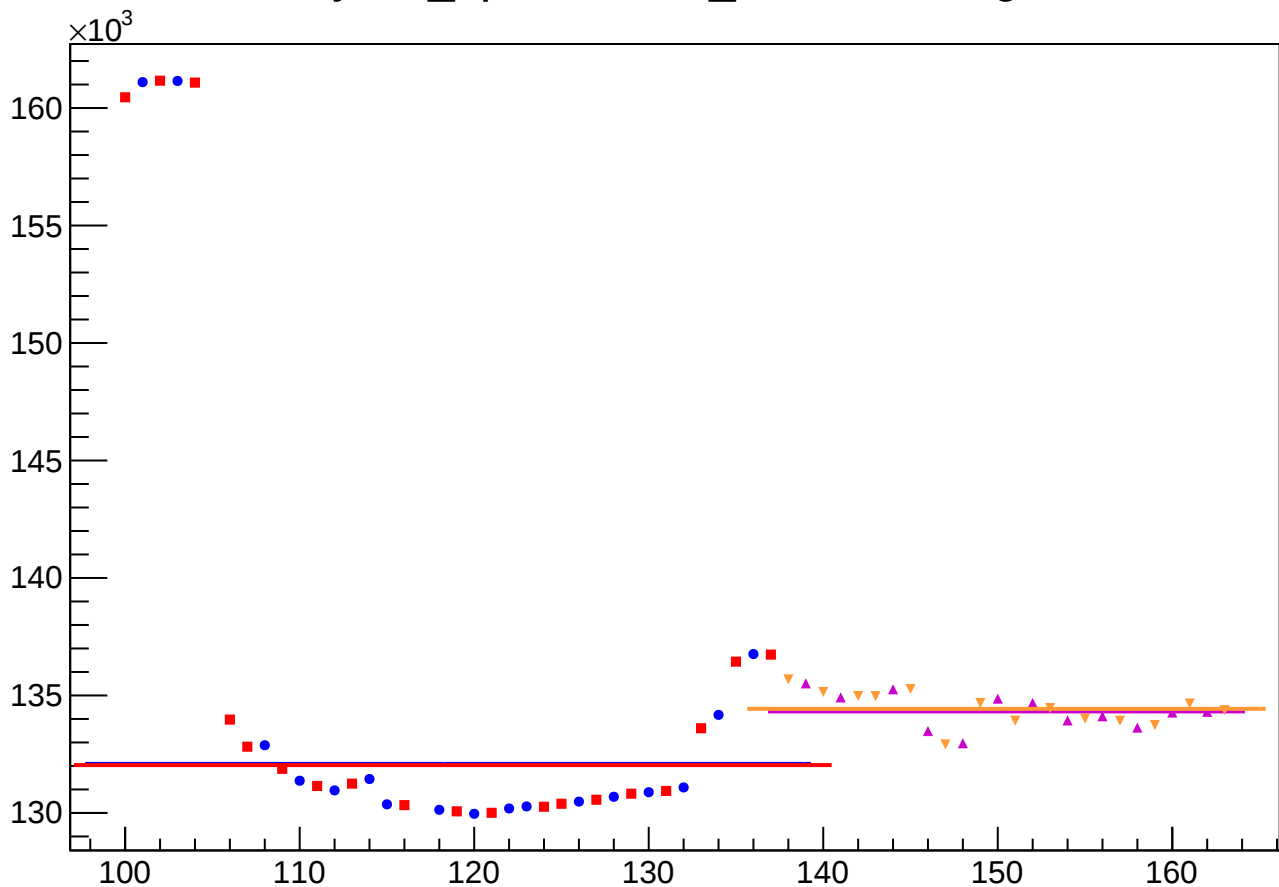
Left In: 178.852 $\pm$ 0.041 χ^2 /NDF: 162365.7/11

+ sign 152.684 $\pm$ 0.027 χ^2 /NDF: 2462248.9/30

All: 150.280 $\pm$ 0.019 χ^2 /NDF: 5168198.1/61

- sign 147.946 $\pm$ 0.027 χ^2 /NDF: 2690656.6/30

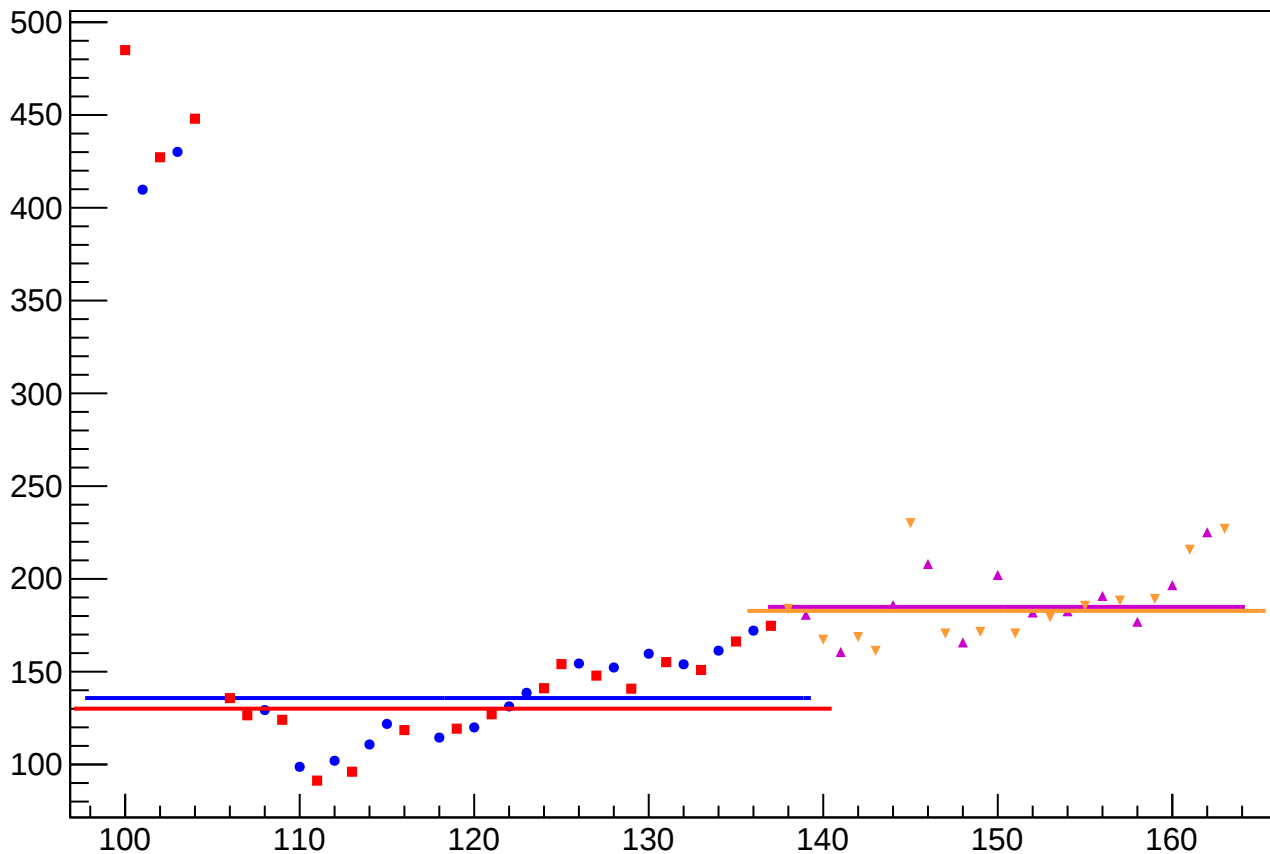
yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 ± 0.057 $\chi^2/\text{NDF}: 6733230928.7/16$
 Left Out: 134432.812 ± 0.057 $\chi^2/\text{NDF}: 160527247.2/13$
 Right Out: 132037.539 ± 0.053 $\chi^2/\text{NDF}: 5882115872.9/18$
 Left In: 134320.887 ± 0.060 $\chi^2/\text{NDF}: 155570918.6/11$

+ sign 133249.177 ± 0.040 $\chi^2/\text{NDF}: 7747244056.7/13$
 All: 133137.397 ± 0.028 $\chi^2/\text{NDF}: 146207412.5/13$
 - sign 133029.154 ± 0.040 $\chi^2/\text{NDF}: 6858240512.5/13$

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 182.772 $\pm$ 0.040 χ^2 /NDF:228006.1/13

Right Out: 130.070 $\pm$ 0.037 χ^2 /NDF: 1503997.6/18

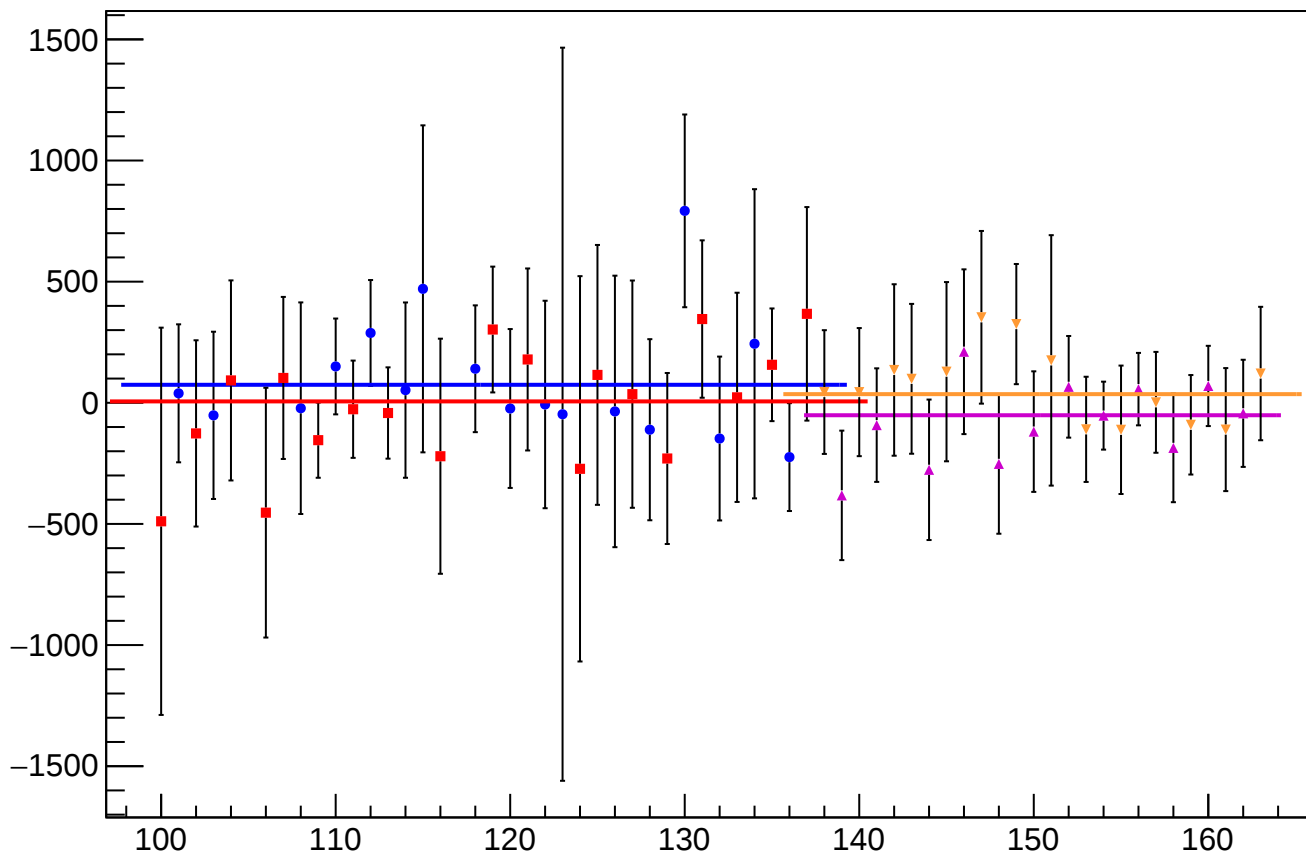
Left In: 184.911 $\pm$ 0.042 χ^2 /NDF:152399.0/11

+ sign 159.072 $\pm$ 0.028 χ^2 /NDF: 2354326.4/30

All: 156.437 $\pm$ 0.020 χ^2 /NDF: 4974376.1/61

- sign 153.886 $\pm$ 0.028 χ^2 /NDF: 2603102.1/30

asym_bcm_an_ds_mean vs Slug



Right In: 74.294 ± 79.018 χ^2/NDF : 7.7/16

Left Out: 35.701 ± 71.758 χ^2/NDF : 4.0/13

Right Out: 5.739 ± 70.069 χ^2/NDF : 7.1/18

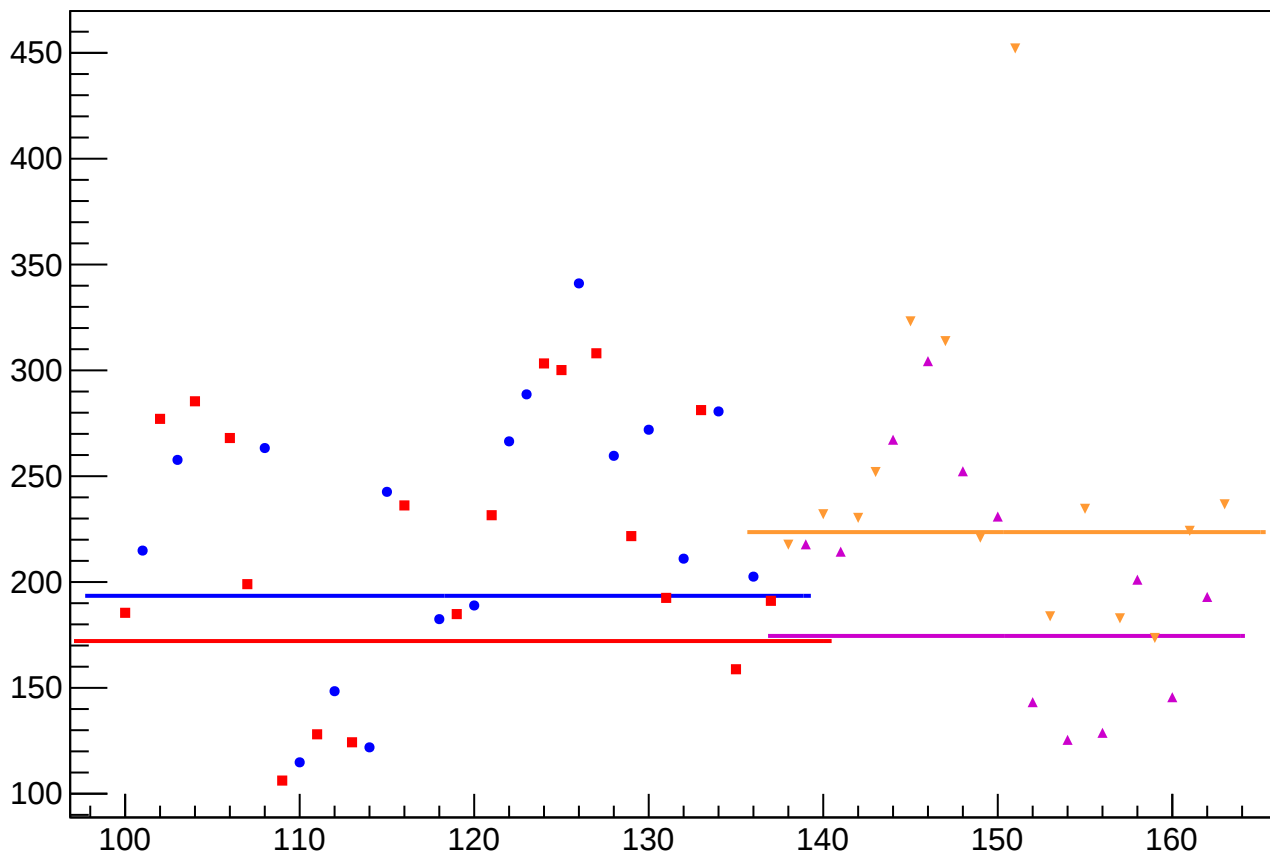
Left In: -51.378 ± 60.187 χ^2/NDF : 5.0/11

+ sign 53.144 ± 53.122 χ^2/NDF : 11.8/30

All: 6.975 ± 34.625 χ^2/NDF : 25.7/61

- sign -27.128 ± 45.656 χ^2/NDF : 12.5/30

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 223.588 $\pm$ 0.051 χ^2 /NDF:955270.8/13

+ sign 209.984 $\pm$ 0.038 χ^2 /NDF: 2131511.3/30

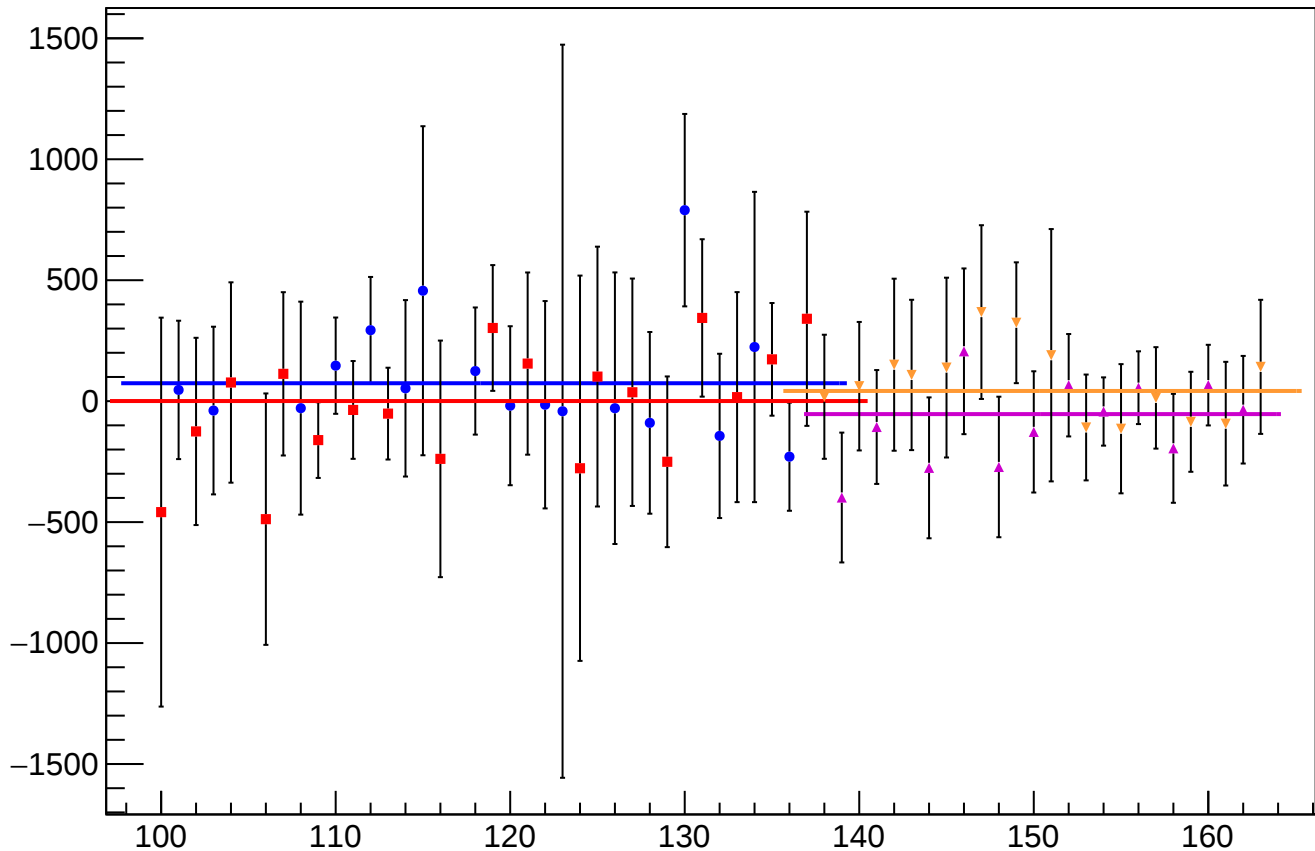
Right Out: 172.122 $\pm$ 0.050 χ^2 /NDF: 1579840.2/18

All: 189.008 $\pm$ 0.024 χ^2 /NDF: 5689555.4/61

- sign 173.514 $\pm$ 0.032 χ^2 /NDF: 3015880.2/30

Left In: 174.541 $\pm$ 0.043 χ^2 /NDF:1434668.9/11

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098 $\pm$ 79.404 χ^2 /NDF: 7.6/16

Left Out: 42.171 $\pm$ 72.218 χ^2 /NDF: 4.0/13

Right Out: 0.503 $\pm$ 70.437 χ^2 /NDF: 7.3/18

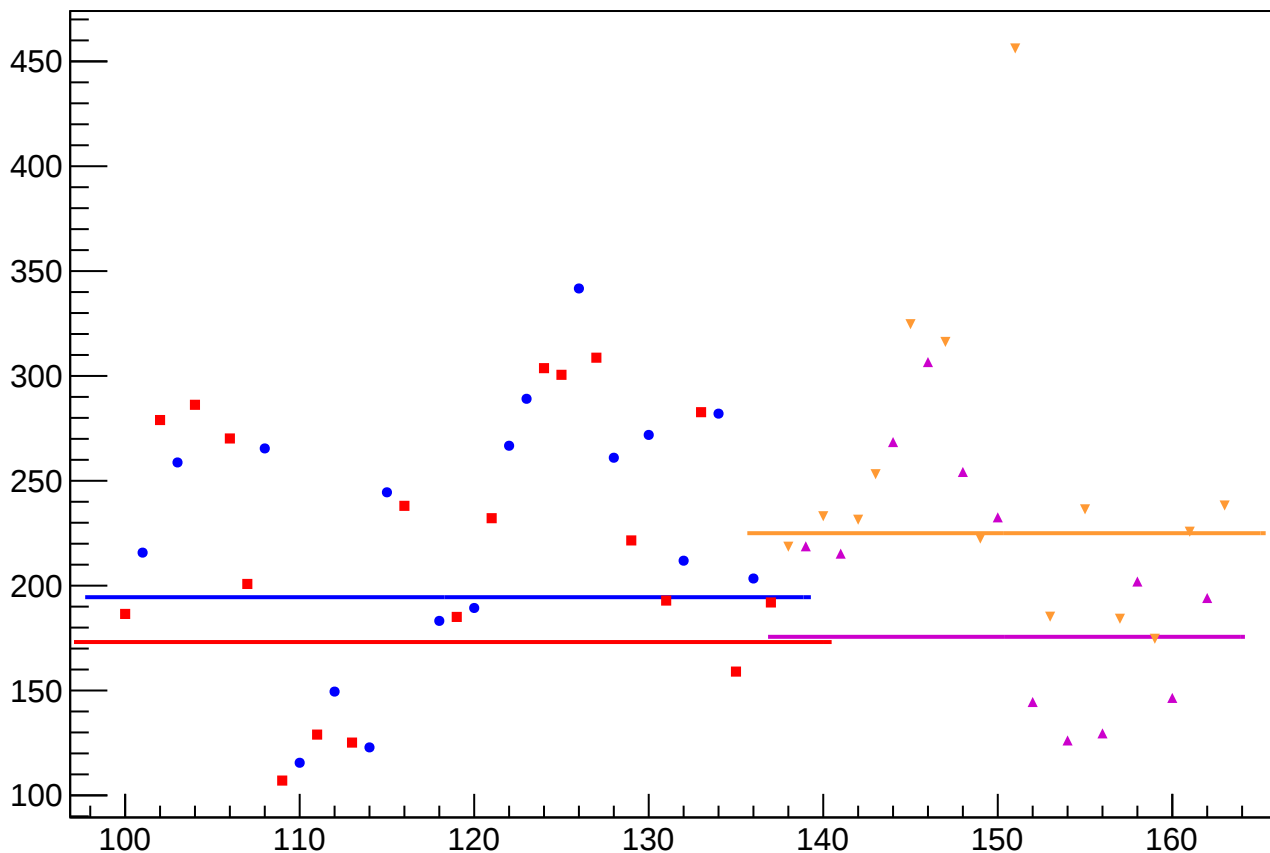
Left In: -53.494 $\pm$ 60.553 χ^2 /NDF: 5.3/11

+ sign 56.625 $\pm$ 53.426 χ^2 /NDF: 11.7/30

All: 6.488 $\pm$ 34.823 χ^2 /NDF: 26.1/61

- sign -30.547 $\pm$ 45.918 χ^2 /NDF: 12.9/30

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 225.016 $\pm$ 0.051 χ^2 /NDF:954793.4/13

Right Out: 173.111 $\pm$ 0.050 χ^2 /NDF: 1567374.3/18

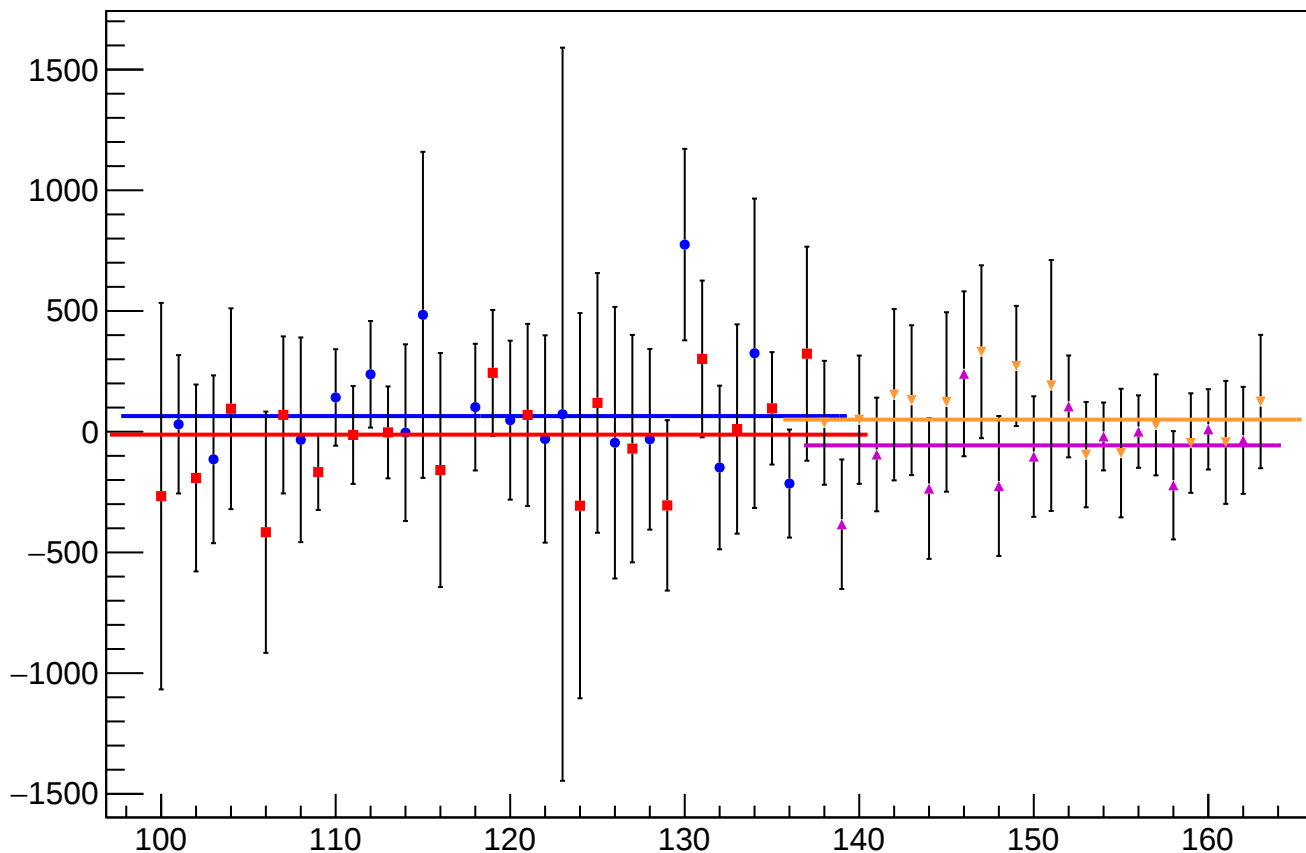
Left In: 175.602 $\pm$ 0.043 χ^2 /NDF:1432675.7/11

+ sign 211.199 $\pm$ 0.038 χ^2 /NDF: 2125011.6/30

All: 190.117 $\pm$ 0.025 χ^2 /NDF: 5667984.4/61

- sign 174.544 $\pm$ 0.032 χ^2 /NDF: 3001488.3/30

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 50.277 ± 72.064 χ^2/NDF : 2.8/13

Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

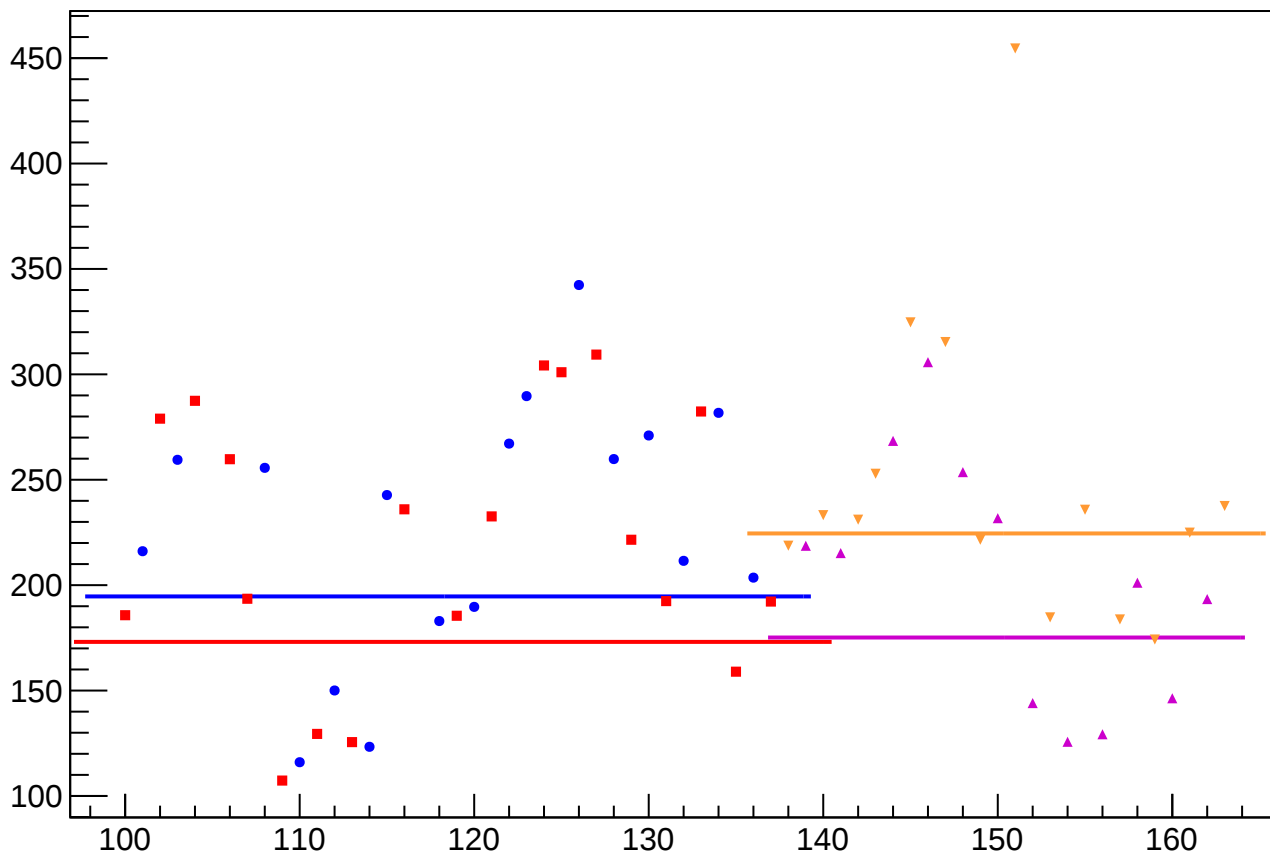
Left In: -56.482 ± 60.406 χ^2/NDF : 4.5/11

+ sign 56.807 ± 53.362 χ^2/NDF : 9.9/30

All: 2.450 ± 34.768 χ^2/NDF : 22.2/61

- sign -37.648 ± 45.832 χ^2/NDF : 10.6/30

asym_bcm_an_us_rms vs Slug



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 224.529 $\pm$ 0.051 χ^2 /NDF: 956210.6/13

Right Out: 173.089 $\pm$ 0.050 χ^2 /NDF: 1544540.9/18

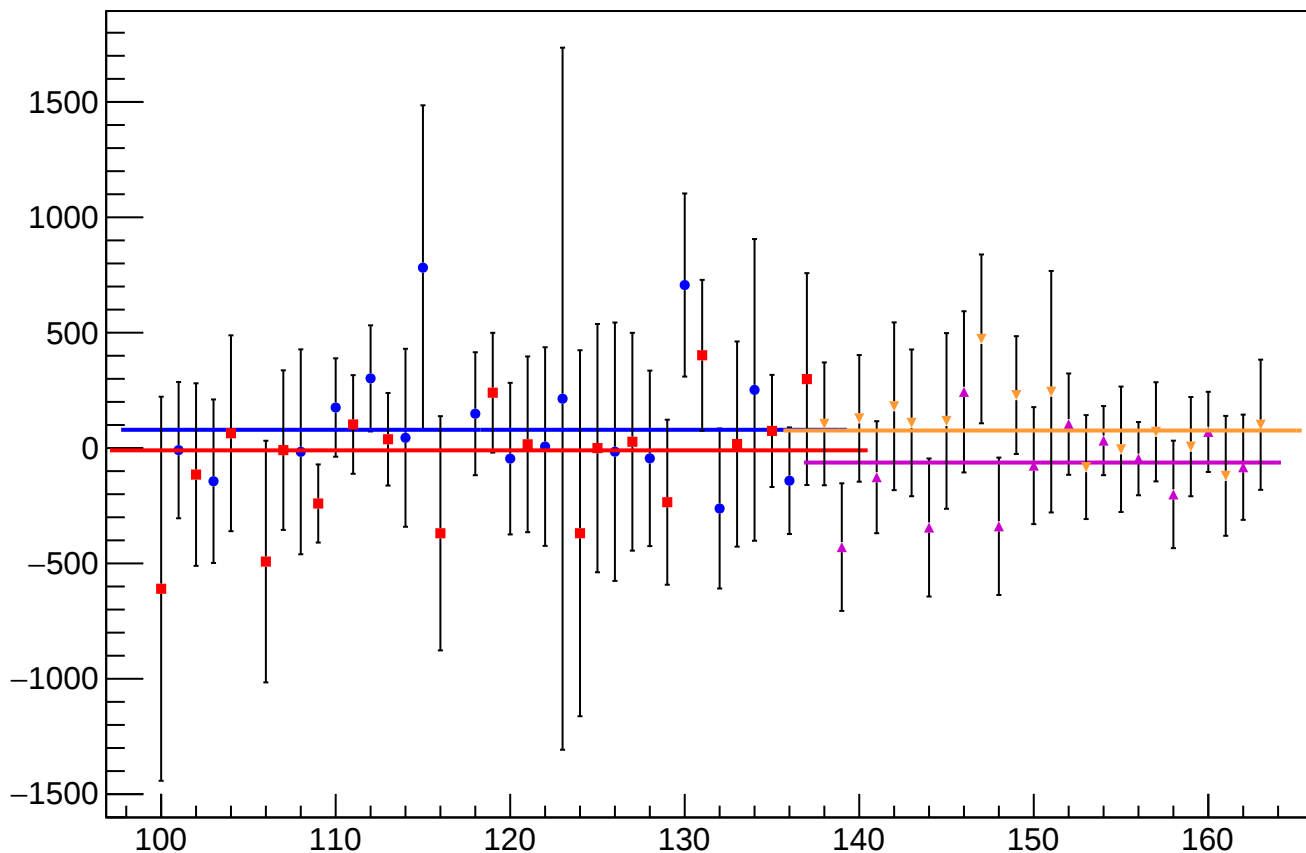
Left In: 175.161 $\pm$ 0.043 χ^2 /NDF: 1435986.3/11

+ sign 211.034 $\pm$ 0.038 χ^2 /NDF: 2098284.5/30

All: 189.884 $\pm$ 0.025 χ^2 /NDF: 5625758.3/61

- sign 174.282 $\pm$ 0.032 χ^2 /NDF: 2981525.8/30

asym_bcm_dg_us_mean vs Slug



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 75.991+/-74.104 χ^2/NDF : 3.1/13

Right Out: -9.982+/-73.310 χ^2/NDF : 7.9/18

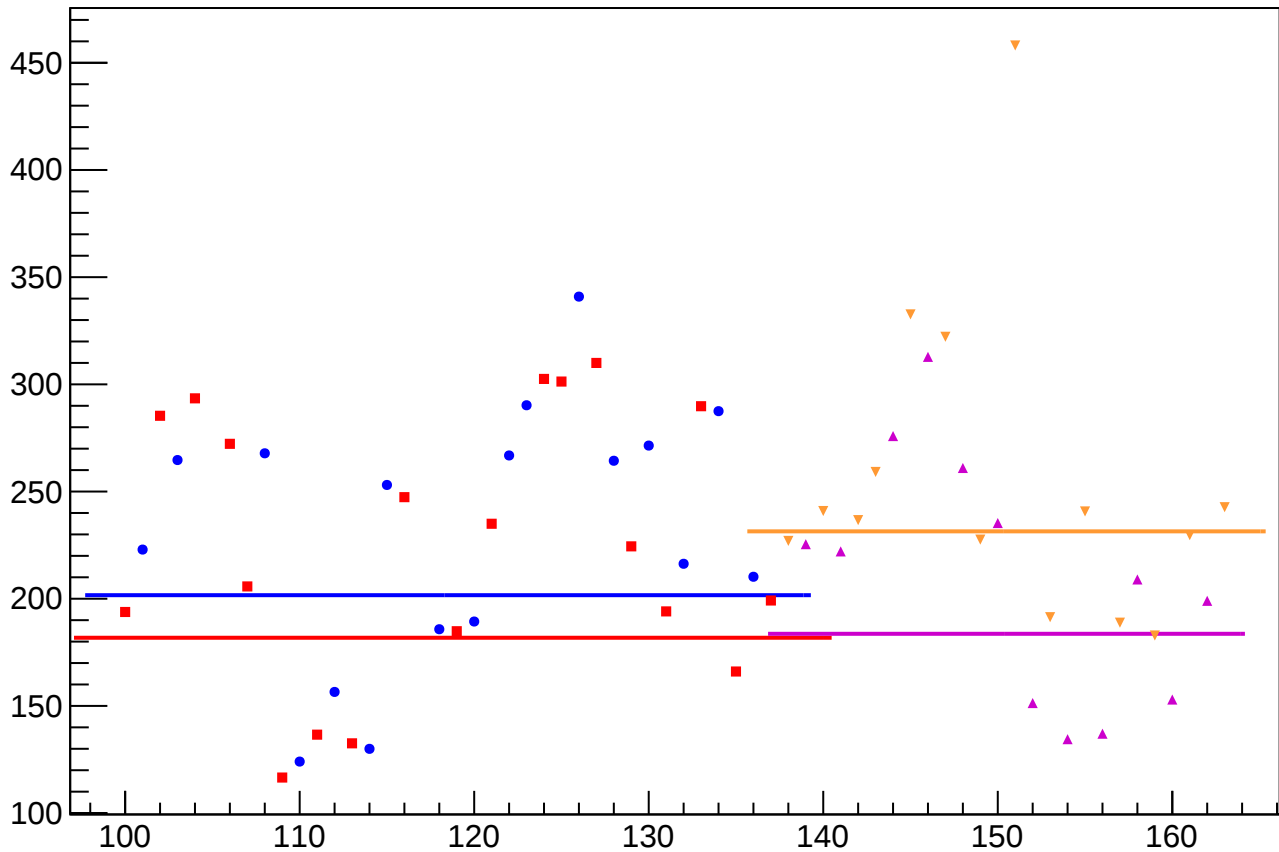
Left In: -62.826+/-62.980 χ^2/NDF : 6.3/11

+ sign 77.404+/-54.942 χ^2/NDF : 10.6/30

All: 10.327+/-36.050 χ^2/NDF : 27.6/61

- sign -40.386+/-47.772 χ^2/NDF : 14.4/30

asym_bcm_dg_us_rms vs Slug



Right In: 201.654+/-0.058 χ^2/NDF : 883179.7/16

Left Out: 231.429+/-0.052 χ^2/NDF : 908118.5/13

Right Out: 181.797+/-0.052 χ^2/NDF : 1377449.9/18

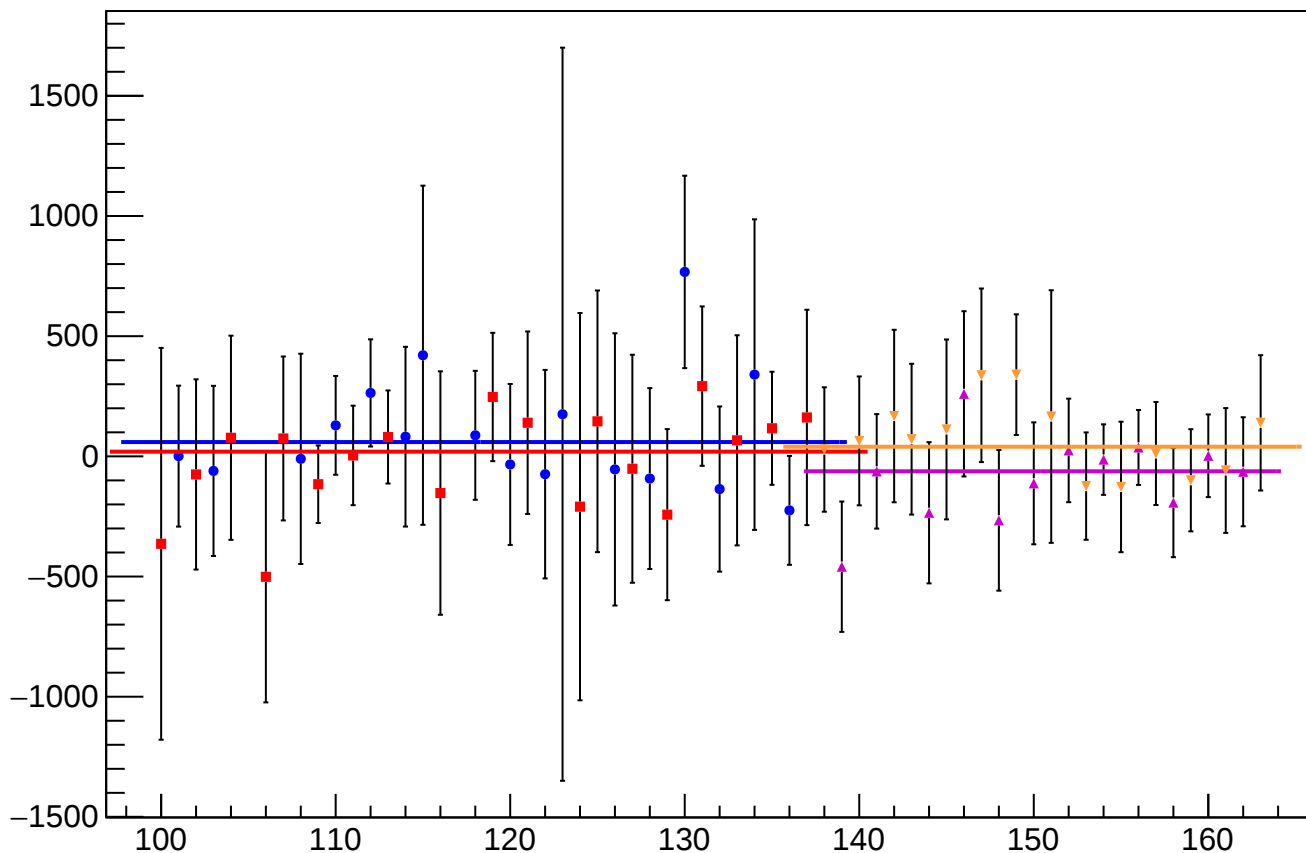
Left In: 183.641+/-0.045 χ^2/NDF : 1304007.3/11

+ sign 218.021+/-0.039 χ^2/NDF : 1936692.9/30

All: 197.997+/-0.025 χ^2/NDF : 5085386.9/61

- sign 182.858+/-0.034 χ^2/NDF : 2682185.1/30

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496+/-80.808 χ^2/NDF : 7.0/16

Left Out: 40.127+/-73.312 χ^2/NDF : 4.0/13

Right Out: 19.541+/-71.866 χ^2/NDF : 4.7/18

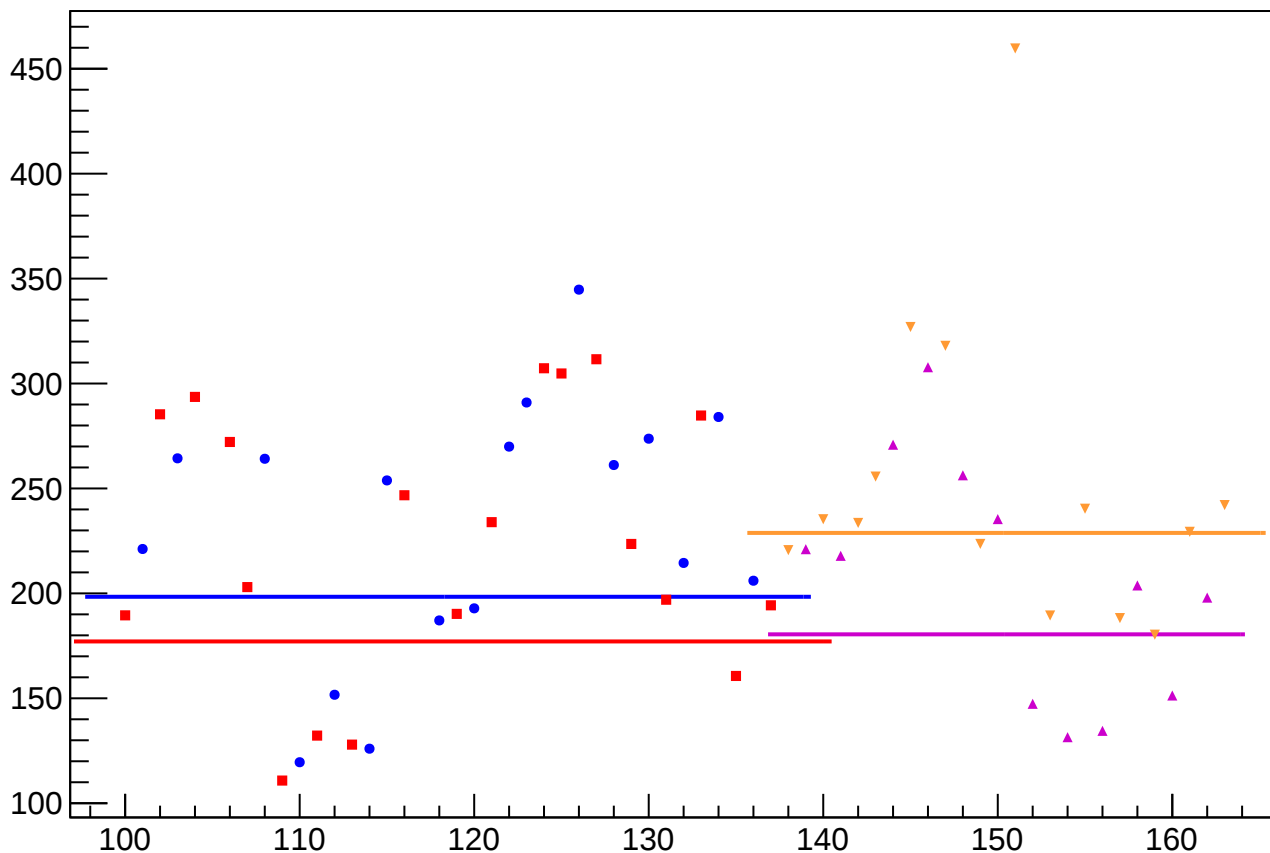
Left In: -62.156+/-61.990 χ^2/NDF : 5.0/11

+ sign 48.872+/-54.297 χ^2/NDF : 11.0/30

All: 5.278+/-35.510 χ^2/NDF : 22.7/61

- sign -27.303+/-46.940 χ^2/NDF : 10.5/30

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 228.813 $\pm$ 0.052 χ^2 /NDF: 910459.6/13

Right Out: 177.096 $\pm$ 0.051 χ^2 /NDF: 1524763.6/18

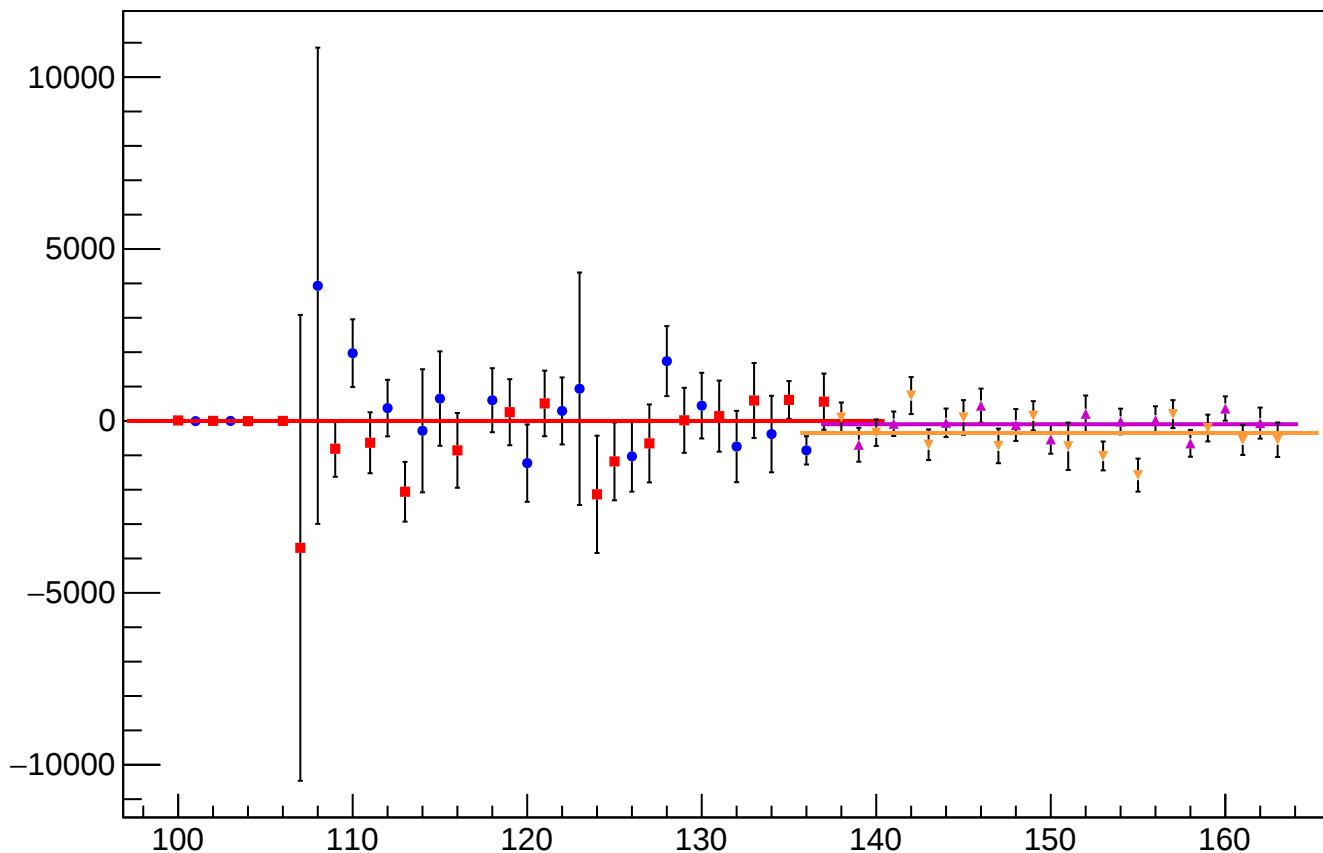
Left In: 180.481 $\pm$ 0.044 χ^2 /NDF: 1320037.5/11

+ sign 215.072 $\pm$ 0.038 χ^2 /NDF: 2029744.5/30

All: 194.450 $\pm$ 0.025 χ^2 /NDF: 5381239.2/61

- sign 179.037 $\pm$ 0.033 χ^2 /NDF: 2847345.2/30

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -350.309 ± 121.466 χ^2/NDF : 20.1/13

Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

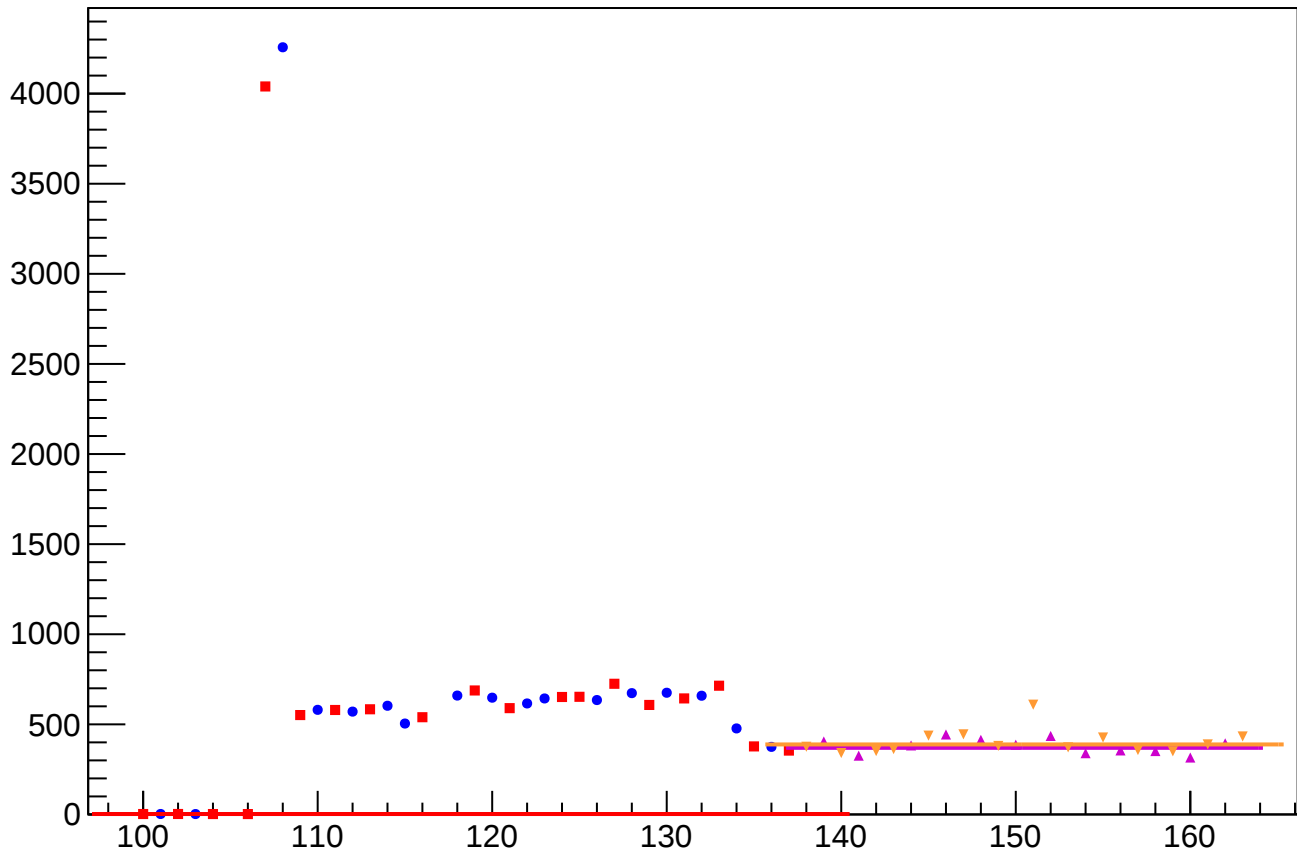
Left In: -95.705 ± 120.753 χ^2/NDF : 7.9/11

+ sign -1.649 ± 2.251 χ^2/NDF : 45.3/30

All: -1.174 ± 1.540 χ^2/NDF : 73.3/61

- sign -0.756 ± 2.111 χ^2/NDF : 27.9/30

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 388.554+/-0.086 χ^2/NDF : 360069.0/13

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

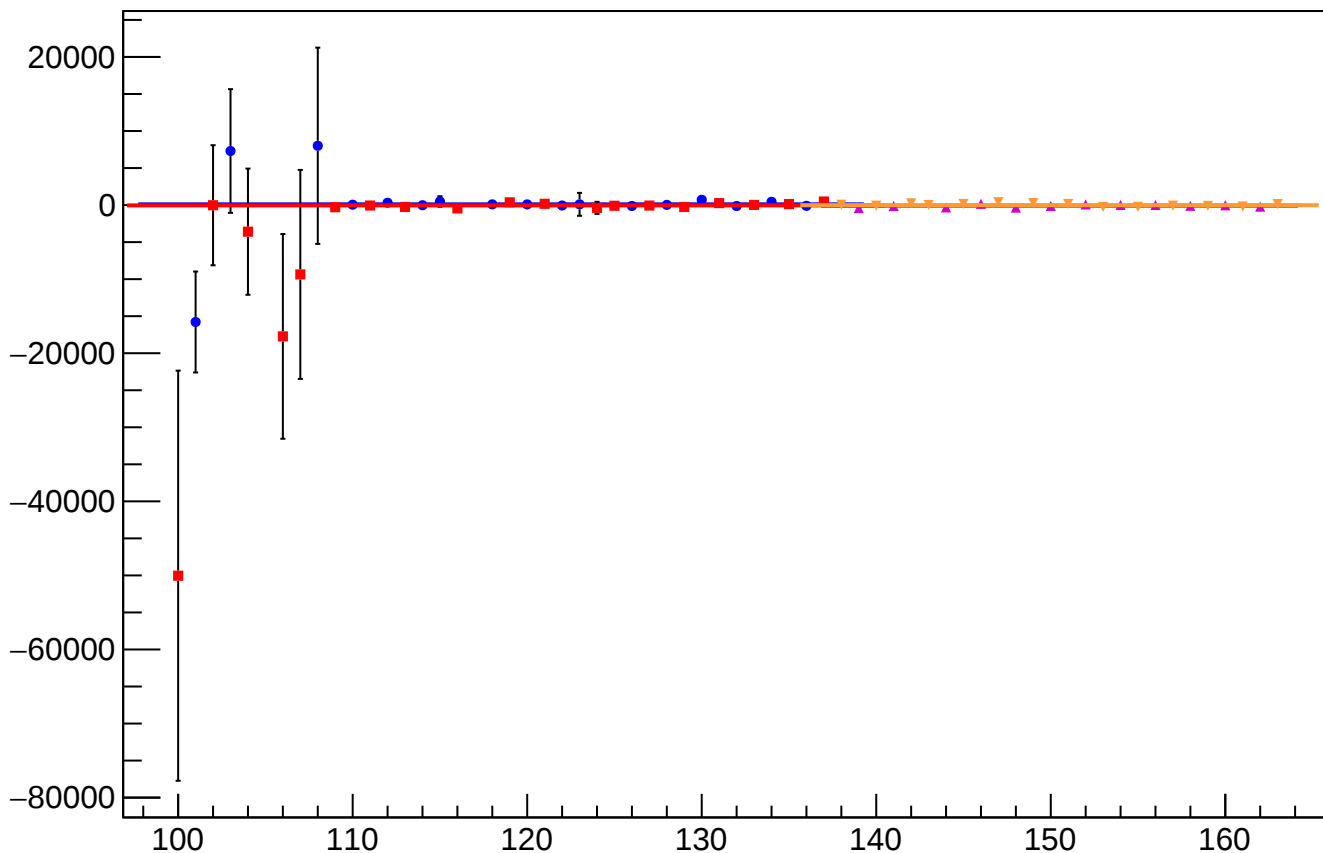
Left In: 369.735+/-0.085 χ^2/NDF : 211293.3/11

+ sign 2.589+/-0.002 χ^2/NDF : 31408507.5/30

All: 2.568+/-0.001 χ^2/NDF : 61266285.2/61

- sign 2.549+/-0.001 χ^2/NDF : 29857436.8/30

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: -12.469+/-77.319 χ^2/NDF : 5.5/13

Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

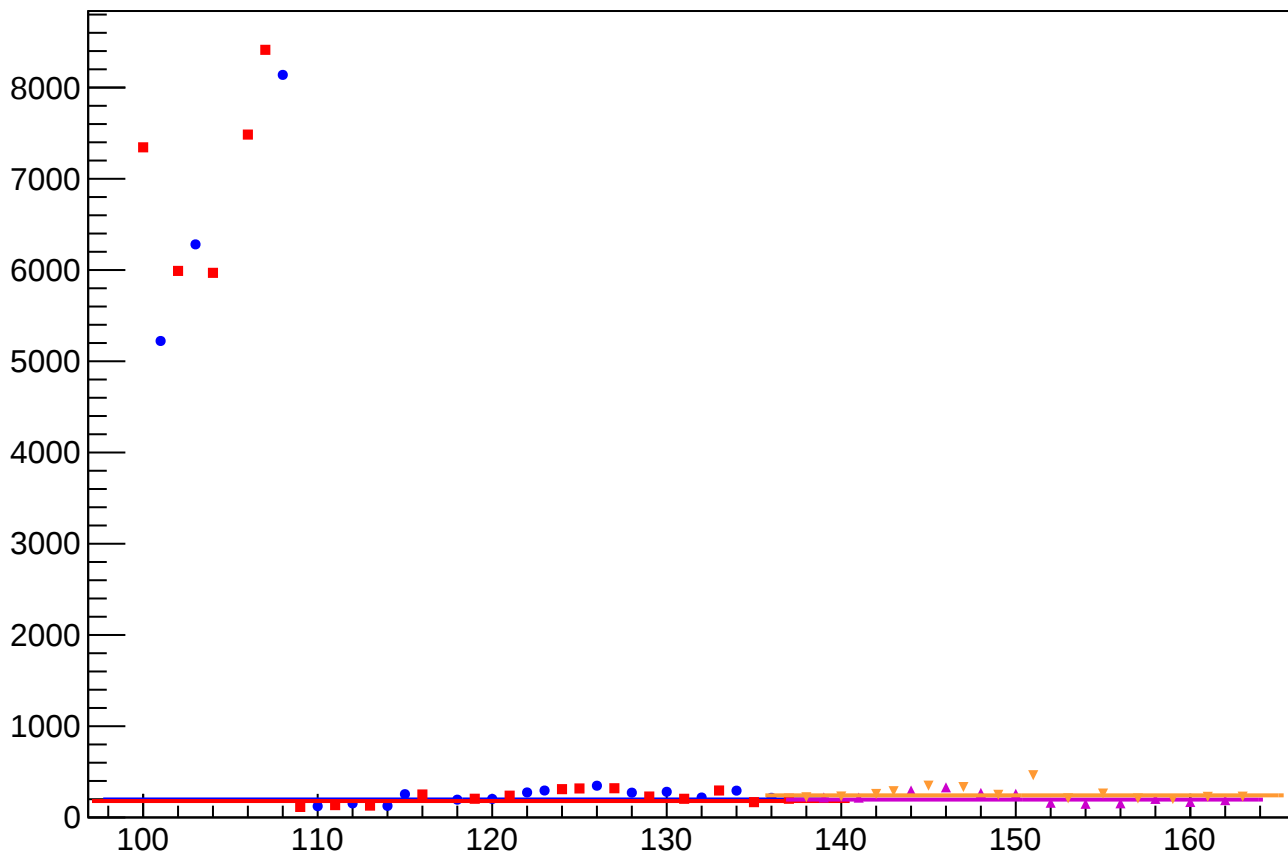
Left In: -82.873+/-66.600 χ^2/NDF : 4.8/11

+ sign 34.199+/-58.884 χ^2/NDF : 18.2/30

All: -22.550+/-39.105 χ^2/NDF : 38.7/61

- sign -67.326+/-52.305 χ^2/NDF : 18.9/30

asym_cav4cQ_rms vs Slug



Right In: 197.086 $\pm$ 0.064 χ^2 /NDF: 3693614.0/16

Left Out: 242.345 $\pm$ 0.055 χ^2 /NDF:824301.2/13

Right Out: 179.949 $\pm$ 0.060 χ^2 /NDF: 4321173.8/18

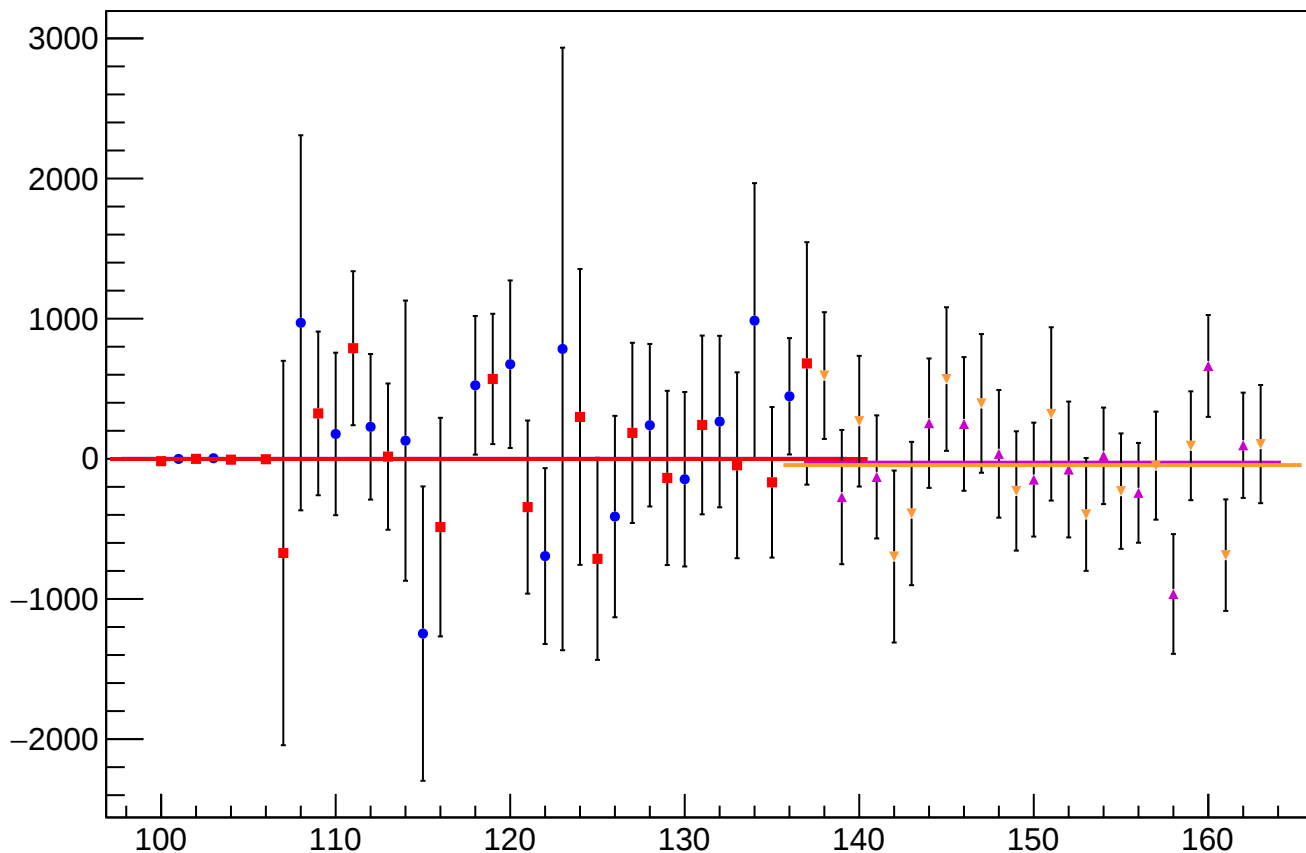
Left In: 195.880 $\pm$ 0.047 χ^2 /NDF:1051439.2/11

+ sign 223.336 $\pm$ 0.042 χ^2 /NDF: 4805742.0/30

All: 204.577 $\pm$ 0.028 χ^2 /NDF: 10585344.1/63

- sign 189.775 $\pm$ 0.037 χ^2 /NDF: 5416462.1/30

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: -44.923 ± 120.079 χ^2/NDF : 10.6/13

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

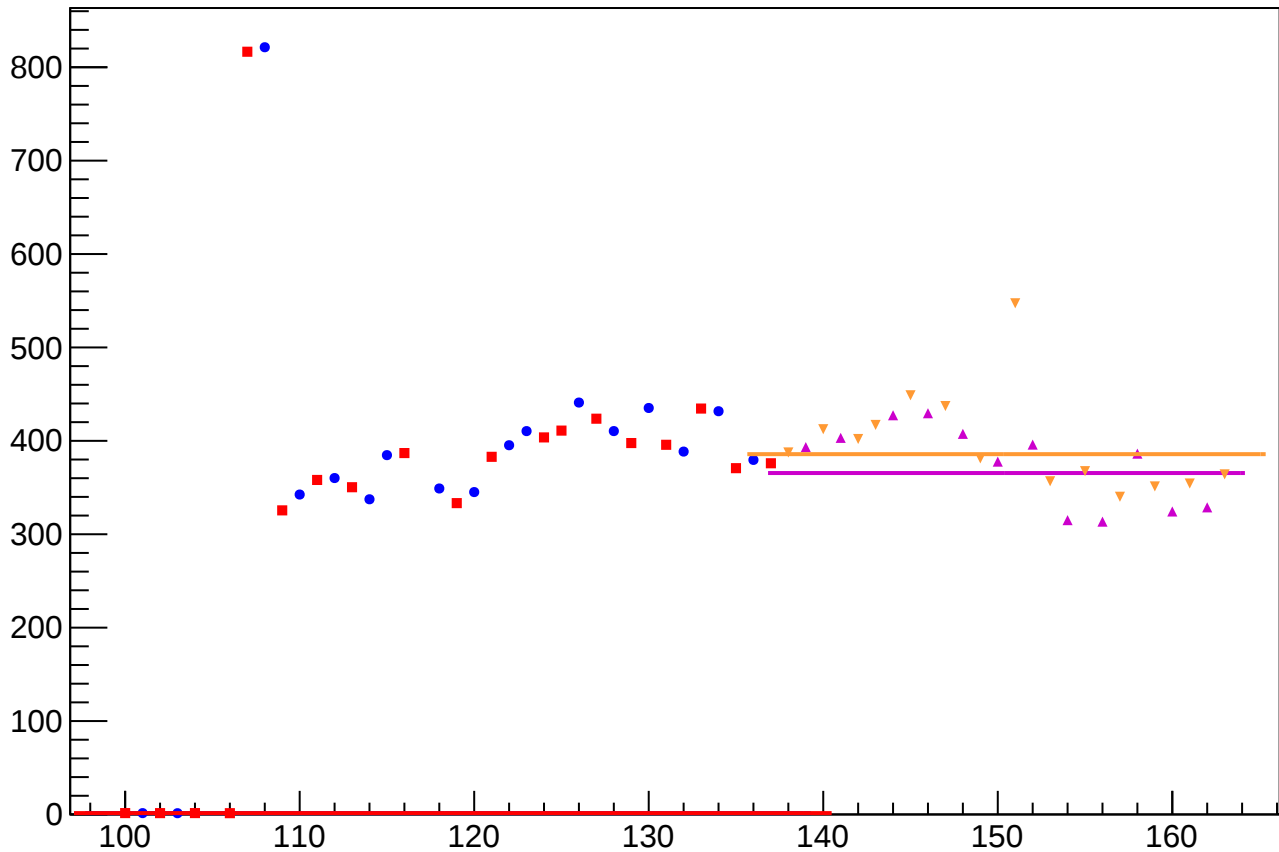
Left In: -27.514 ± 119.333 χ^2/NDF : 10.1/11

+ sign -0.147 ± 1.736 χ^2/NDF : 20.5/30

All: -0.778 ± 1.185 χ^2/NDF : 40.5/61

- sign -1.328 ± 1.622 χ^2/NDF : 19.7/30

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 385.750+/-0.085 χ^2/NDF : 279945.5/13

Right Out: 1.451+/-0.001 χ^2/NDF : 10880737.7/18

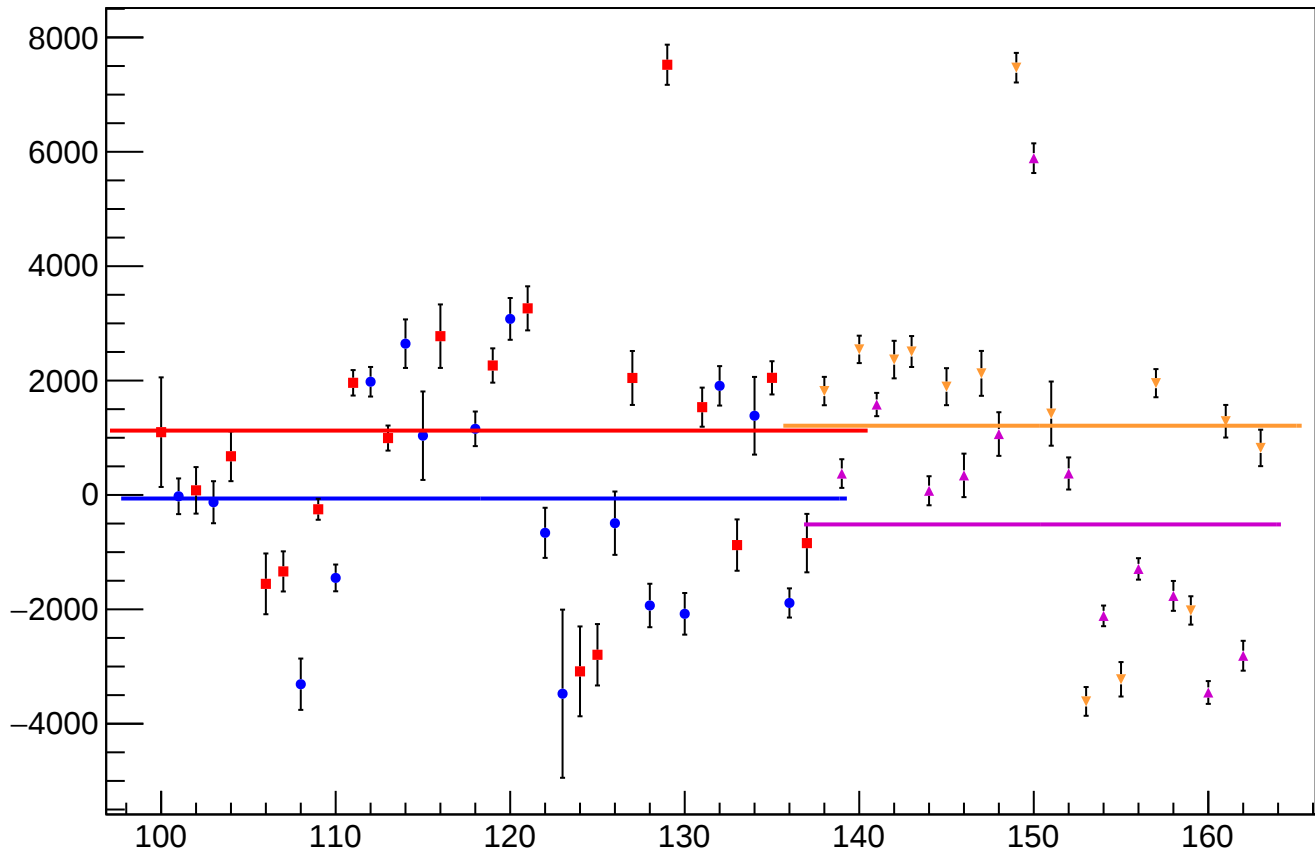
Left In: 365.537+/-0.084 χ^2/NDF : 255192.7/11

+ sign 1.533+/-0.001 χ^2/NDF : 31718361.1/30

All: 1.525+/-0.001 χ^2/NDF : 61468270.2/61

- sign 1.518+/-0.001 χ^2/NDF : 29749831.3/30

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 $\chi^2/\text{NDF}: 433.9/16$

Left Out: 1210.663 ± 76.131 $\chi^2/\text{NDF}: 1432.3/13$

Right Out: 1125.437 ± 78.370 $\chi^2/\text{NDF}: 671.2/18$

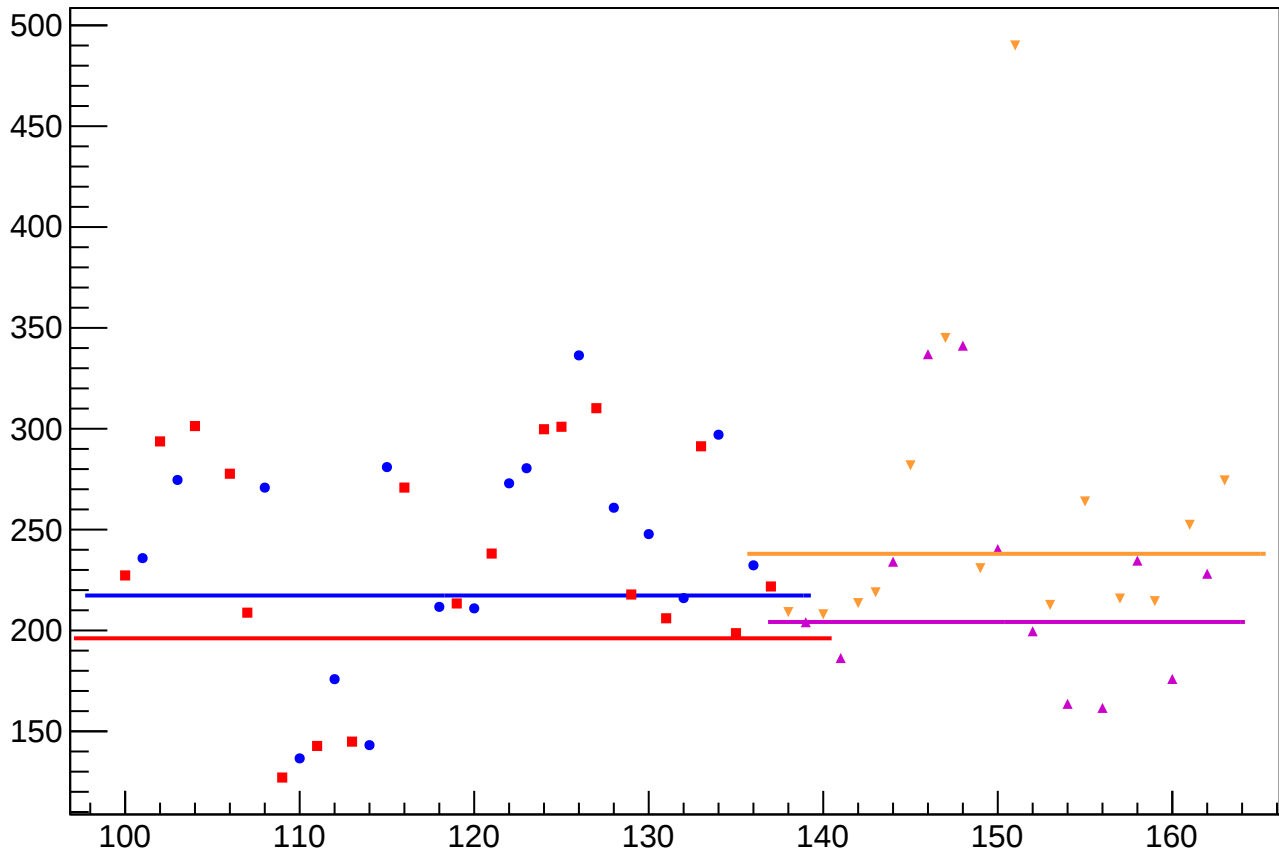
Left In: -515.241 ± 68.936 $\chi^2/\text{NDF}: 1178.3/11$

+ sign 661.716 ± 57.413 $\chi^2/\text{NDF}: 1986.8/30$

All: 407.270 ± 38.444 $\chi^2/\text{NDF}: 4119.0/61$

- sign 200.458 ± 51.761 $\chi^2/\text{NDF}: 2096.6/30$

asym_bcm0l02_rms vs Slug



Right In: 217.330 $\pm$ 0.062 χ^2 /NDF: 652722.5/16

Left Out: 238.003 $\pm$ 0.054 χ^2 /NDF: 770580.1/13

Right Out: 196.105 $\pm$ 0.055 χ^2 /NDF: 1190733.6/18

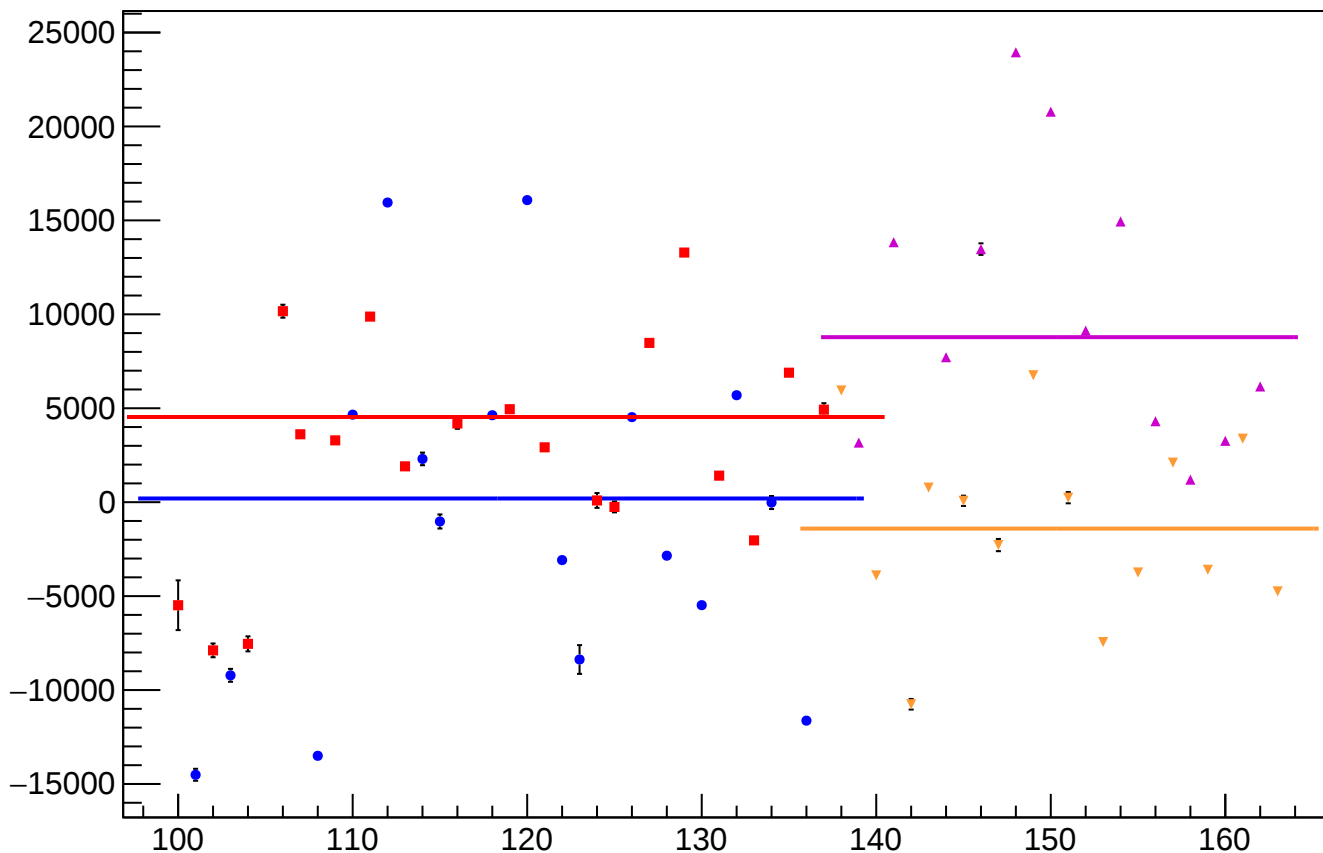
Left In: 204.209 $\pm$ 0.049 χ^2 /NDF: 872385.6/11

+ sign 229.087 $\pm$ 0.041 χ^2 /NDF: 1486908.4/30

All: 213.413 $\pm$ 0.027 χ^2 /NDF: 3832298.6/61

- sign 200.674 $\pm$ 0.037 χ^2 /NDF: 2075174.6/30

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -1405.497+/-53.485 χ^2/NDF : 7572.5/13

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

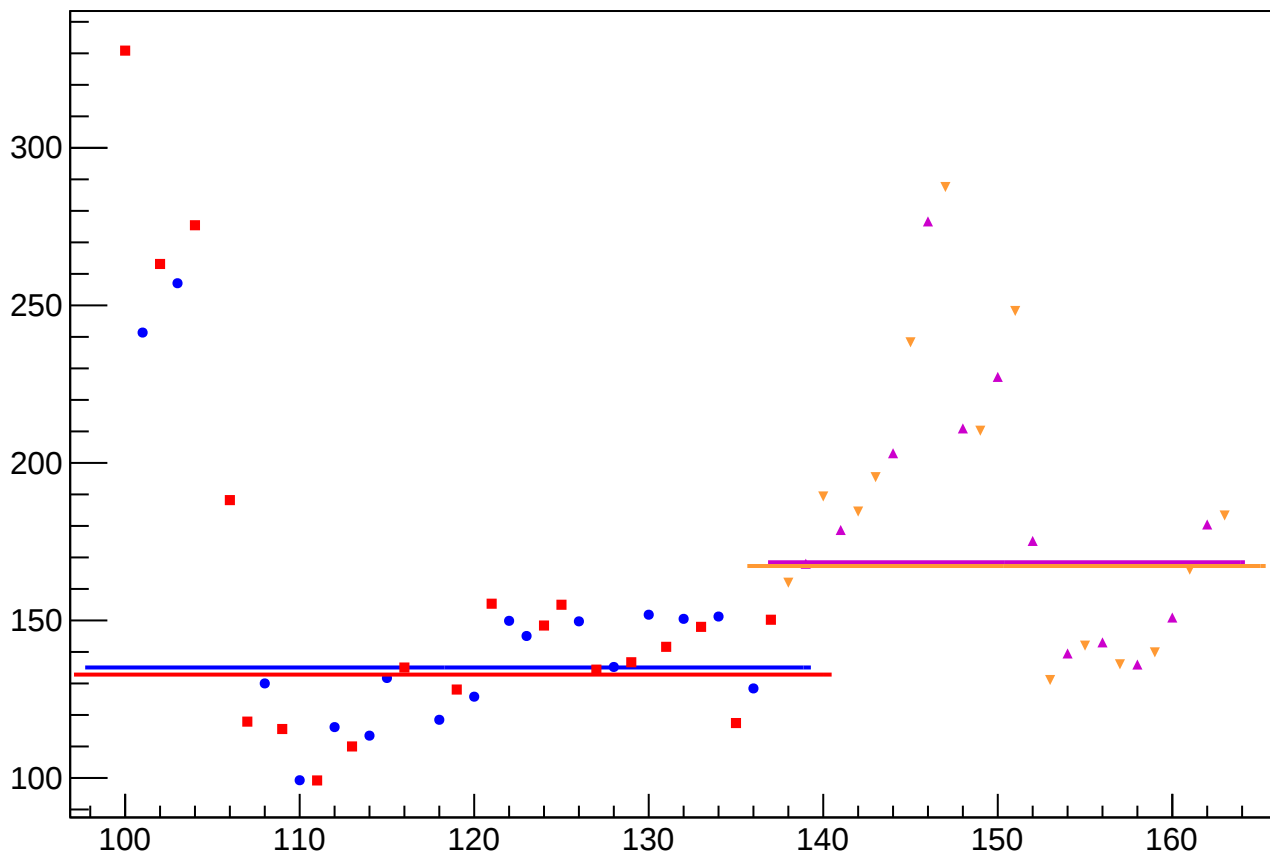
Left In: 8783.759+/-56.371 χ^2/NDF : 14007.7/11

+ sign -623.678+/-38.276 χ^2/NDF : 38668.8/30

All: 2929.500+/-27.110 χ^2/NDF : 80492.3/61

- sign 6506.519+/-38.404 χ^2/NDF : 24530.3/30

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 167.280 $\pm$ 0.038 χ^2 /NDF:1000747.6/13

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

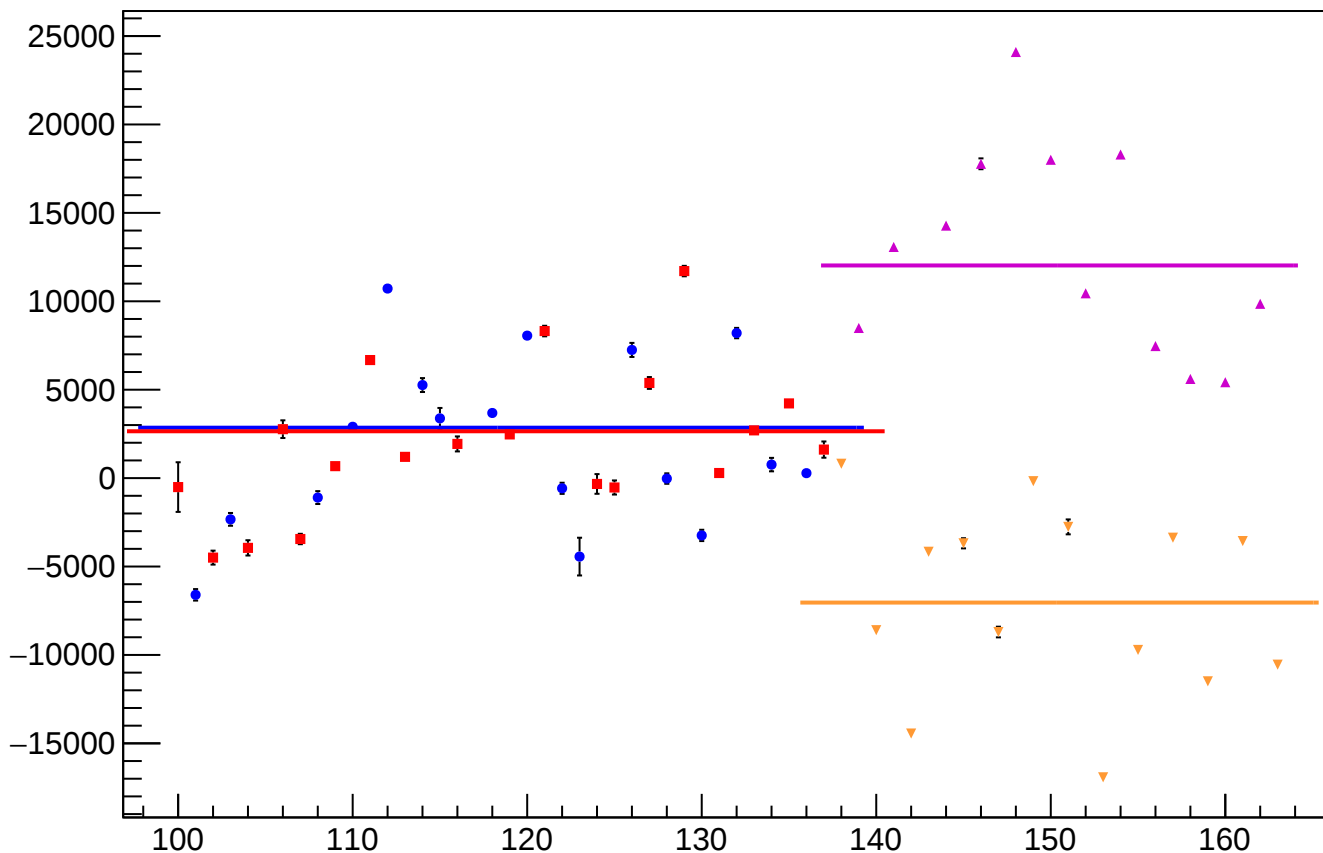
Left In: 168.469 $\pm$ 0.040 χ^2 /NDF:720135.1/11

+ sign 151.566 $\pm$ 0.027 χ^2 /NDF: 2013286.1/30

All: 150.469 $\pm$ 0.019 χ^2 /NDF: 3996619.3/61

- sign 149.363 $\pm$ 0.027 χ^2 /NDF: 1980031.2/30

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -7038.282+/-61.599 χ^2/NDF : 7653.4/13

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

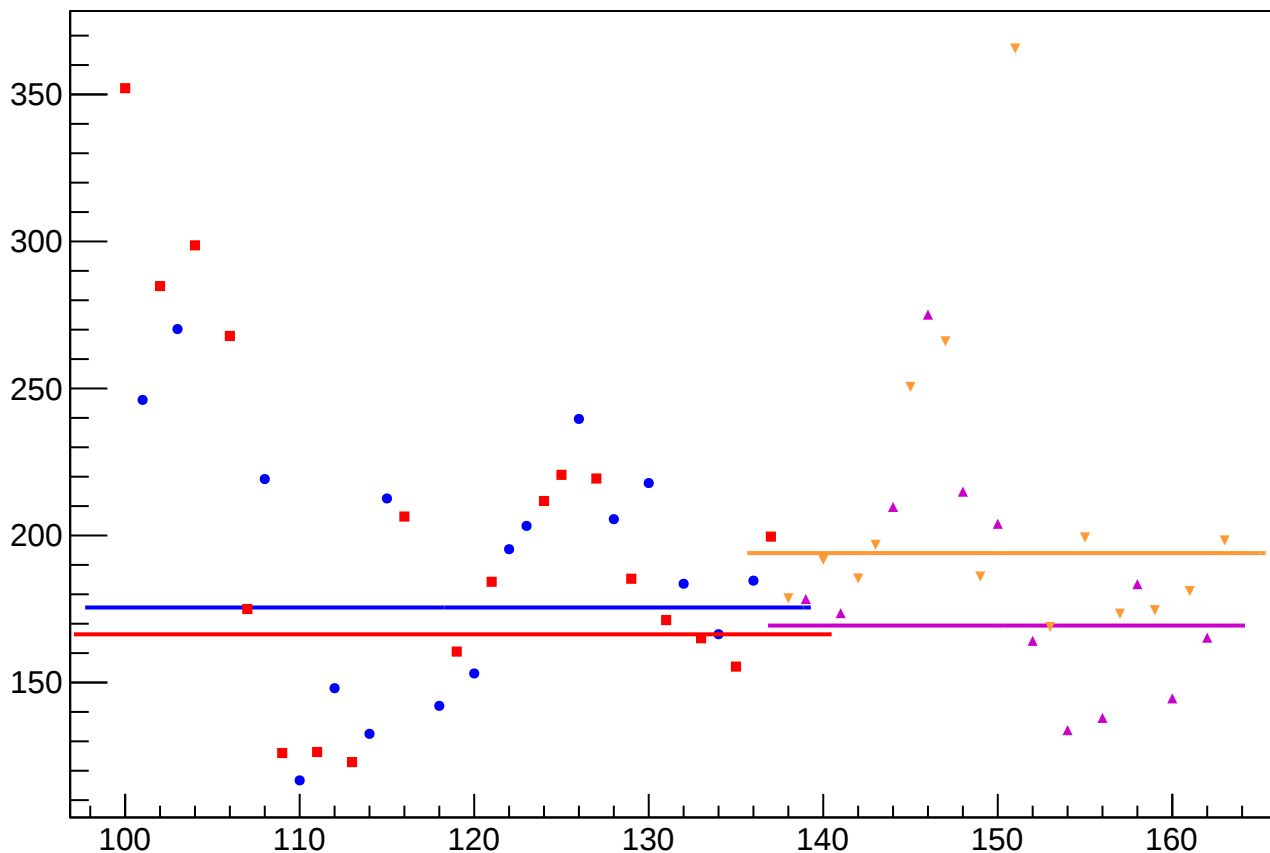
Left In: 12026.439+/-56.755 χ^2/NDF : 9355.8/11

+ sign -2774.208+/-46.459 χ^2/NDF : 22945.4/30

All: 3045.571+/-31.541 χ^2/NDF : 76244.6/61

- sign 8021.262+/-42.958 χ^2/NDF : 24191.1/30

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 194.027 $\pm$ 0.044 χ^2 /NDF: 620297.7/13

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

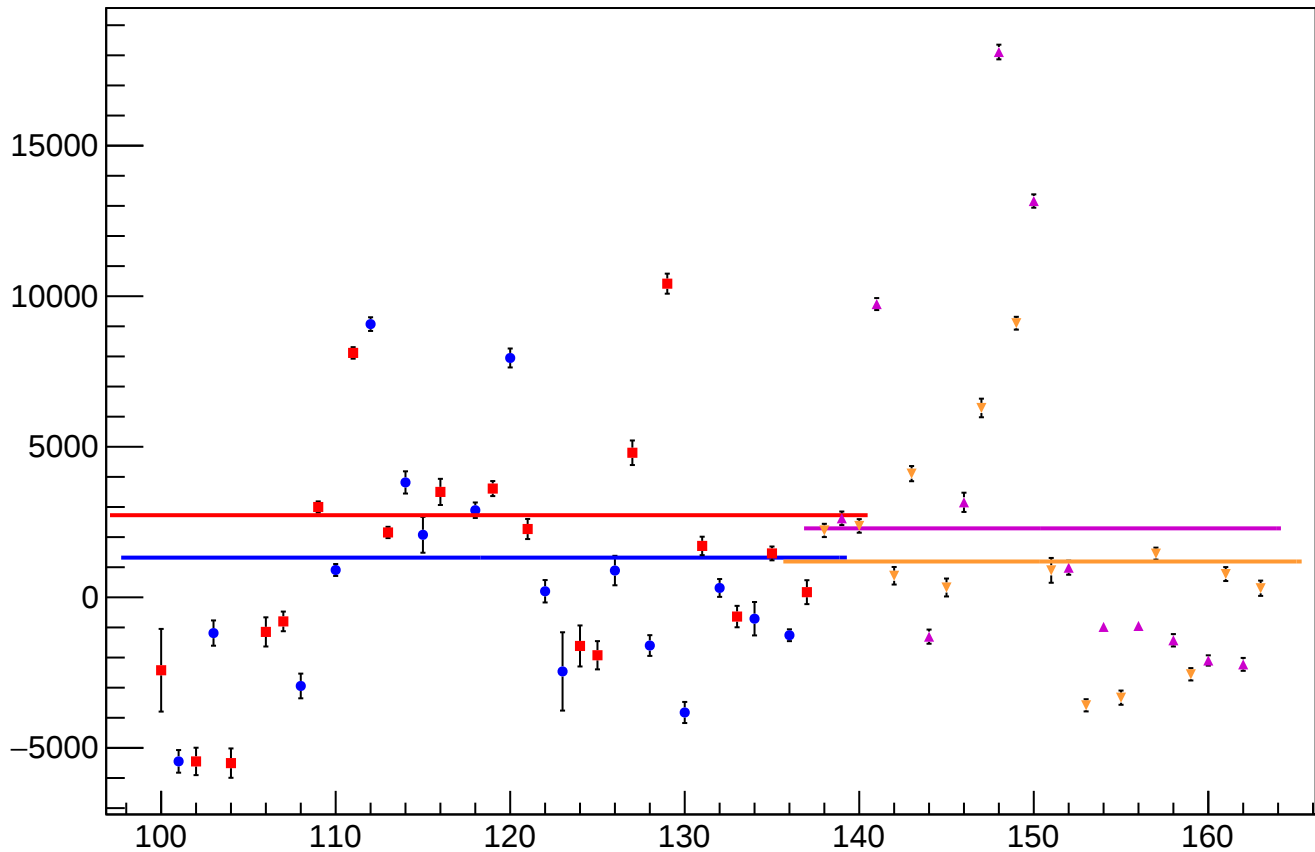
Left In: 169.375 $\pm$ 0.040 χ^2 /NDF: 675357.8/11

+ sign 186.045 $\pm$ 0.033 χ^2 /NDF: 1387829.5/30

All: 176.372 $\pm$ 0.022 χ^2 /NDF: 3155917.3/61

- sign 168.101 $\pm$ 0.030 χ^2 /NDF: 1607251.1/30

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1190.162+/-64.203 χ^2/NDF : 3116.6/13

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

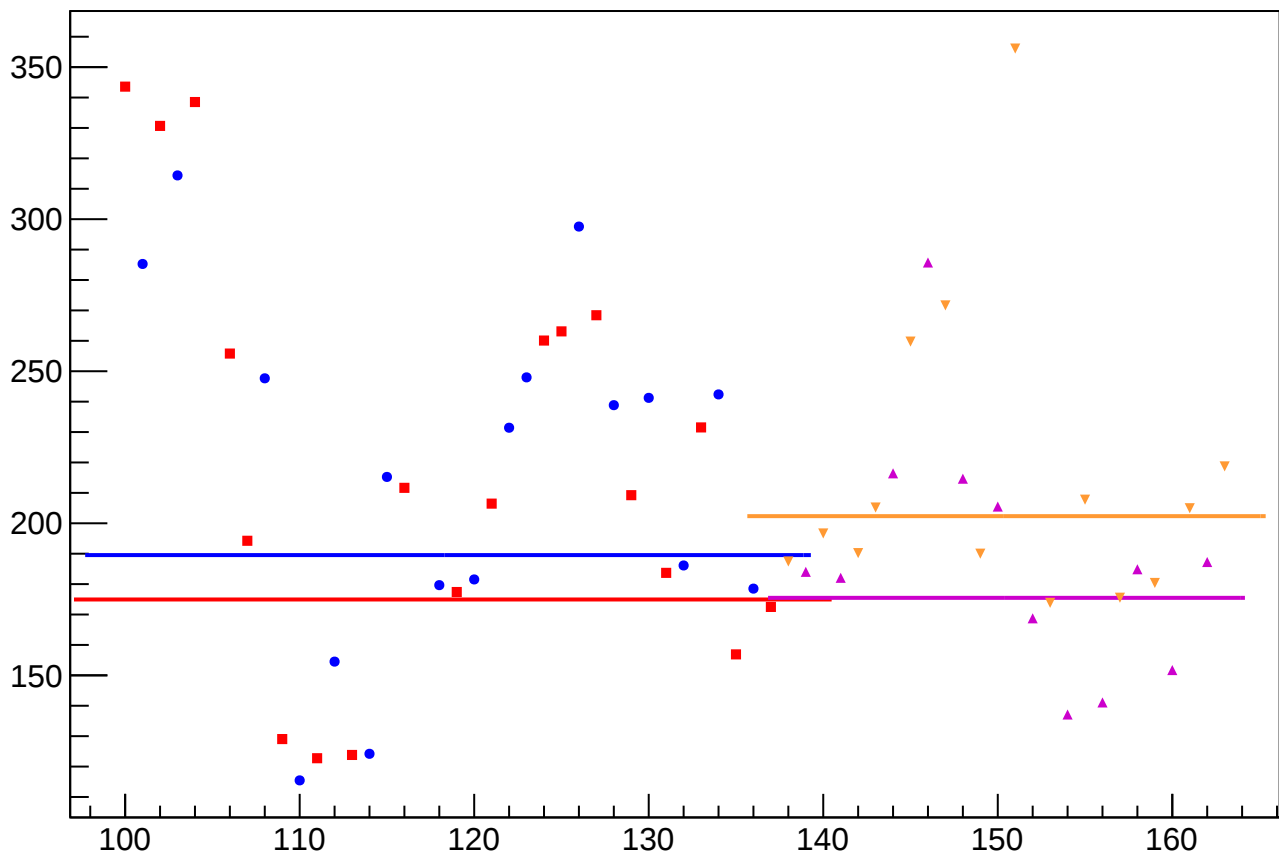
Left In: 2290.621+/-58.822 χ^2/NDF : 10568.5/11

+ sign 1242.886+/-49.349 χ^2/NDF : 5785.3/30

All: 1913.135+/-33.268 χ^2/NDF : 19210.7/61

- sign 2471.468+/-45.041 χ^2/NDF : 13087.3/30

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 202.346 $\pm$ 0.045 χ^2 /NDF: 582333.9/13

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

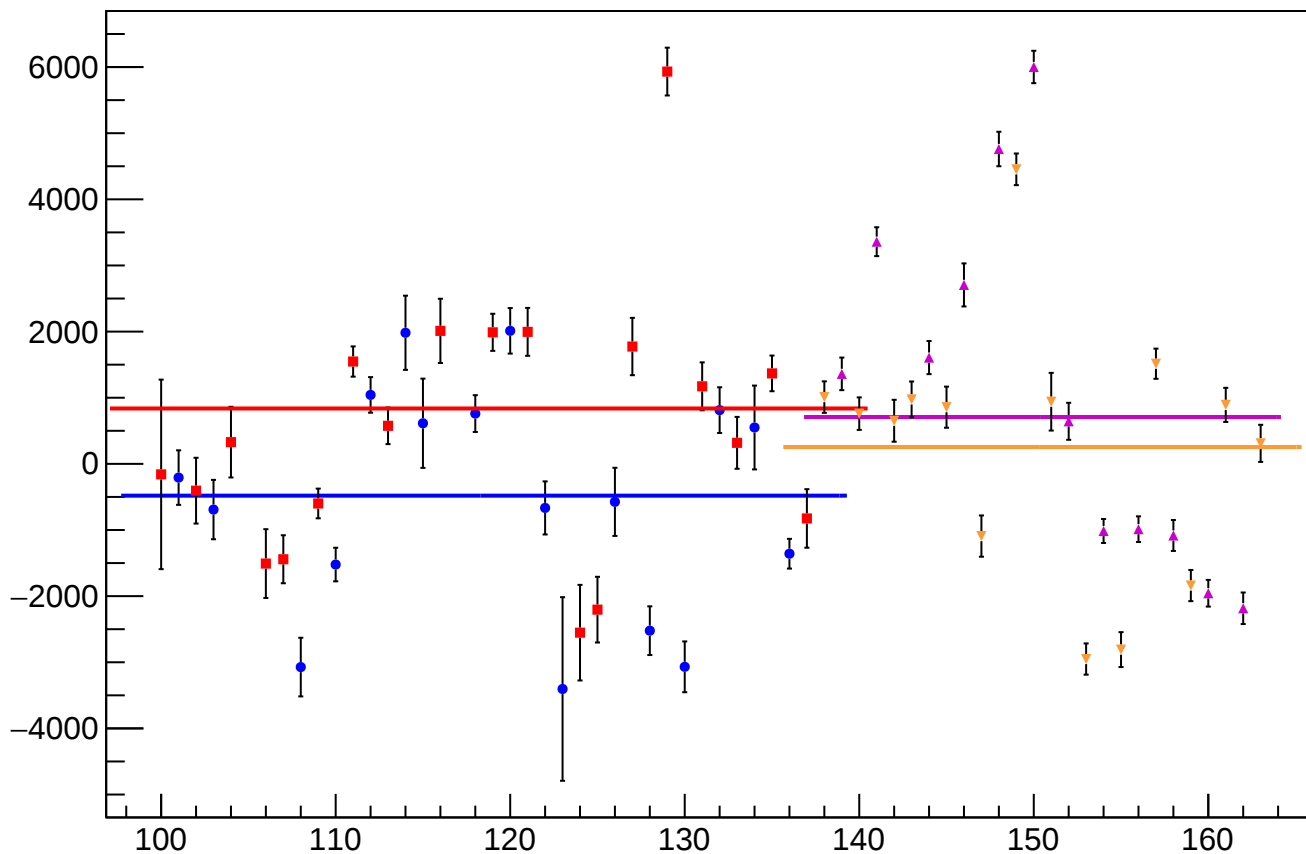
Left In: 175.486 $\pm$ 0.042 χ^2 /NDF: 660090.4/11

+ sign 197.108 $\pm$ 0.035 χ^2 /NDF: 1595614.9/30

All: 185.189 $\pm$ 0.024 χ^2 /NDF: 3766707.2/61

- sign 175.261 $\pm$ 0.032 χ^2 /NDF: 1957267.2/30

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 254.797 ± 71.009 χ^2/NDF : 790.4/13

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

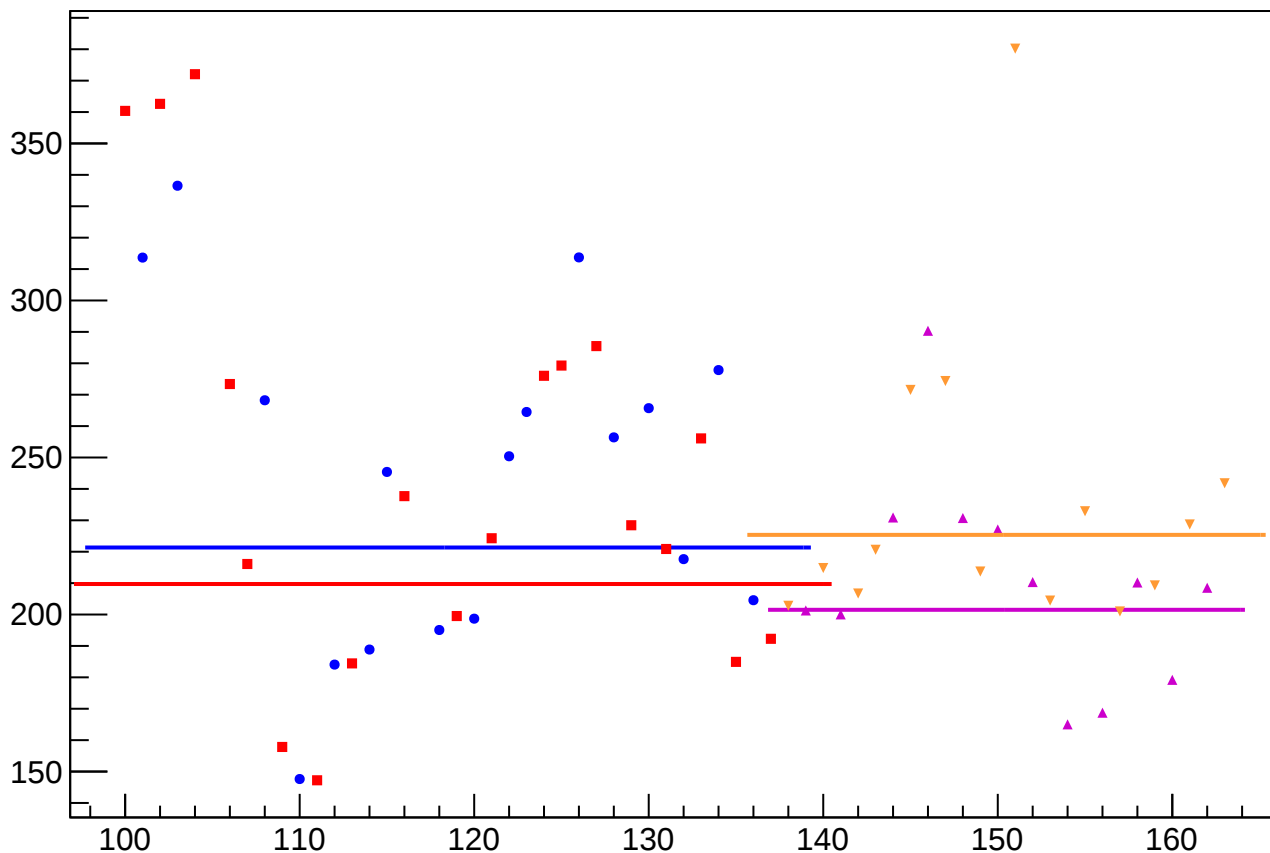
Left In: 708.645 ± 66.748 χ^2/NDF : 1460.5/11

+ sign -32.657 ± 55.419 χ^2/NDF : 1123.0/30

All: 390.081 ± 37.854 χ^2/NDF : 3129.4/61

- sign 759.792 ± 51.827 χ^2/NDF : 1897.3/30

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 225.364 $\pm$ 0.050 χ^2 /NDF: 435866.7/13

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

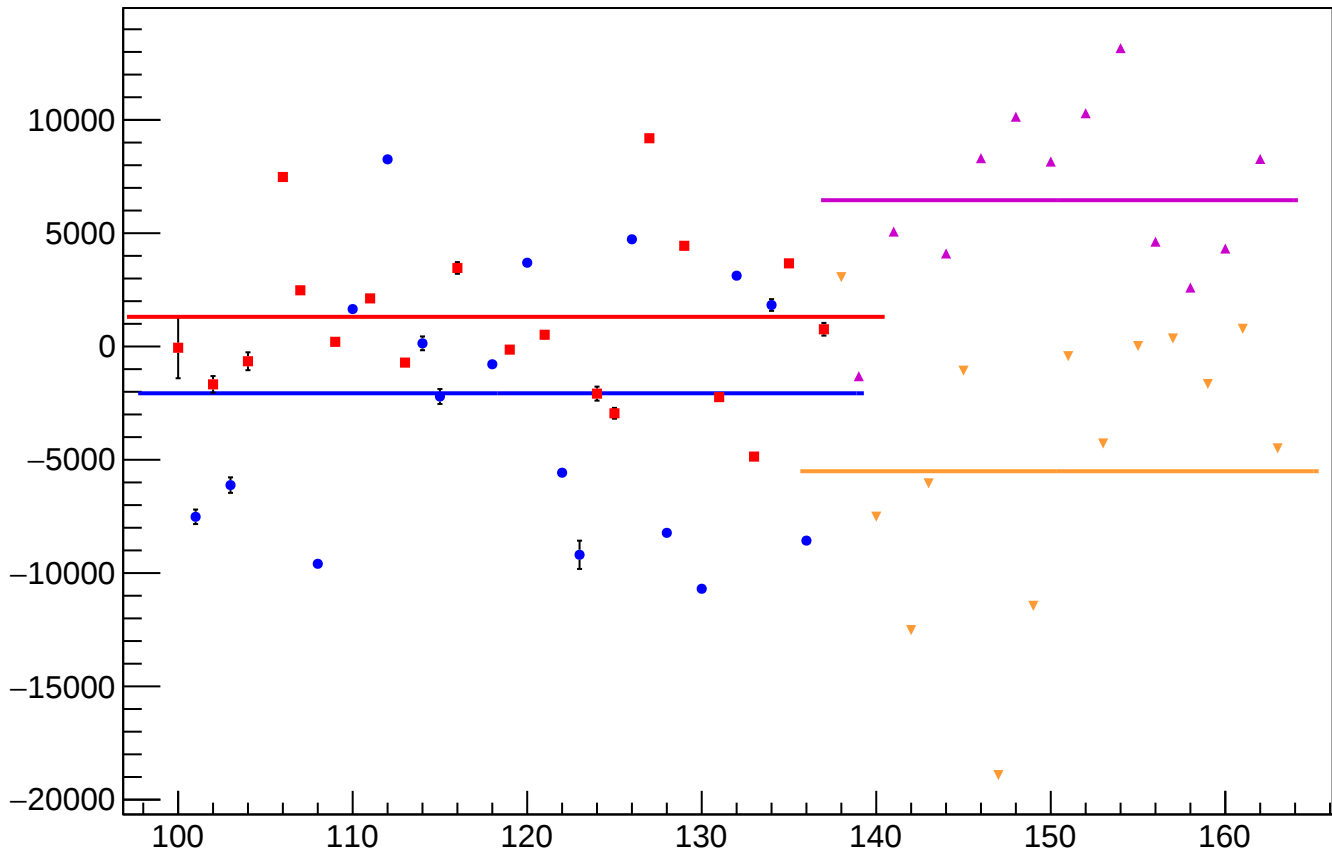
Left In: 201.505 $\pm$ 0.047 χ^2 /NDF: 392594.3/11

+ sign 223.792 $\pm$ 0.039 χ^2 /NDF: 1084063.3/30

All: 213.642 $\pm$ 0.027 χ^2 /NDF: 2498348.4/61

- sign 204.766 $\pm$ 0.037 χ^2 /NDF: 1288532.8/30

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -5504.459 ± 38.476 $\chi^2/\text{NDF}: 28162.0/13$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

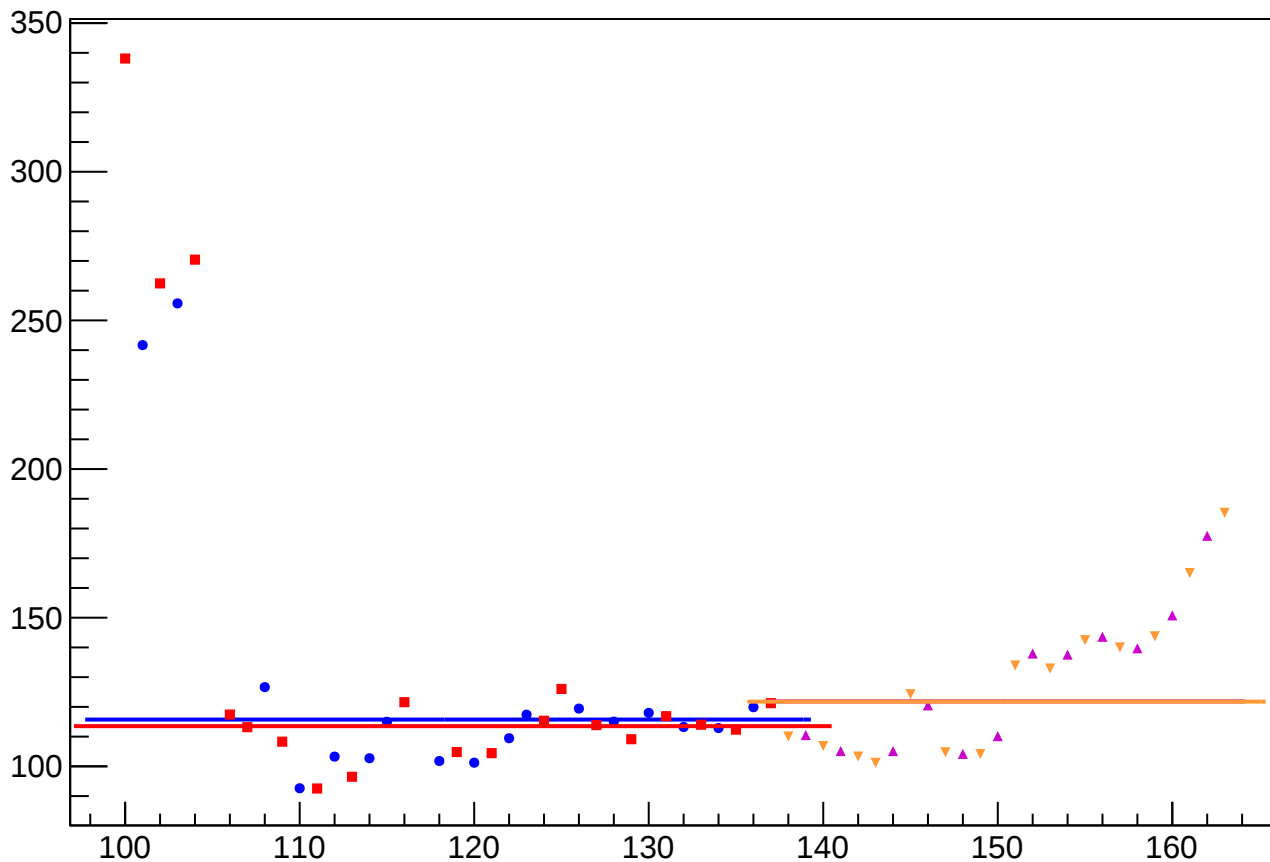
Left In: 6455.789 ± 39.960 $\chi^2/\text{NDF}: 8747.7/11$

+ sign -4135.670 ± 29.854 $\chi^2/\text{NDF}: 47875.2/30$

All: 21.749 ± 21.119 $\chi^2/\text{NDF}: 108653.3/61$

- sign 4186.490 ± 29.880 $\chi^2/\text{NDF}: 21957.2/30$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 $\pm$ 0.033 χ^2 /NDF: 744017.7/16

Left Out: 121.768 $\pm$ 0.027 χ^2 /NDF: 617493.4/13

Right Out: 113.519 $\pm$ 0.032 χ^2 /NDF: 796640.6/18

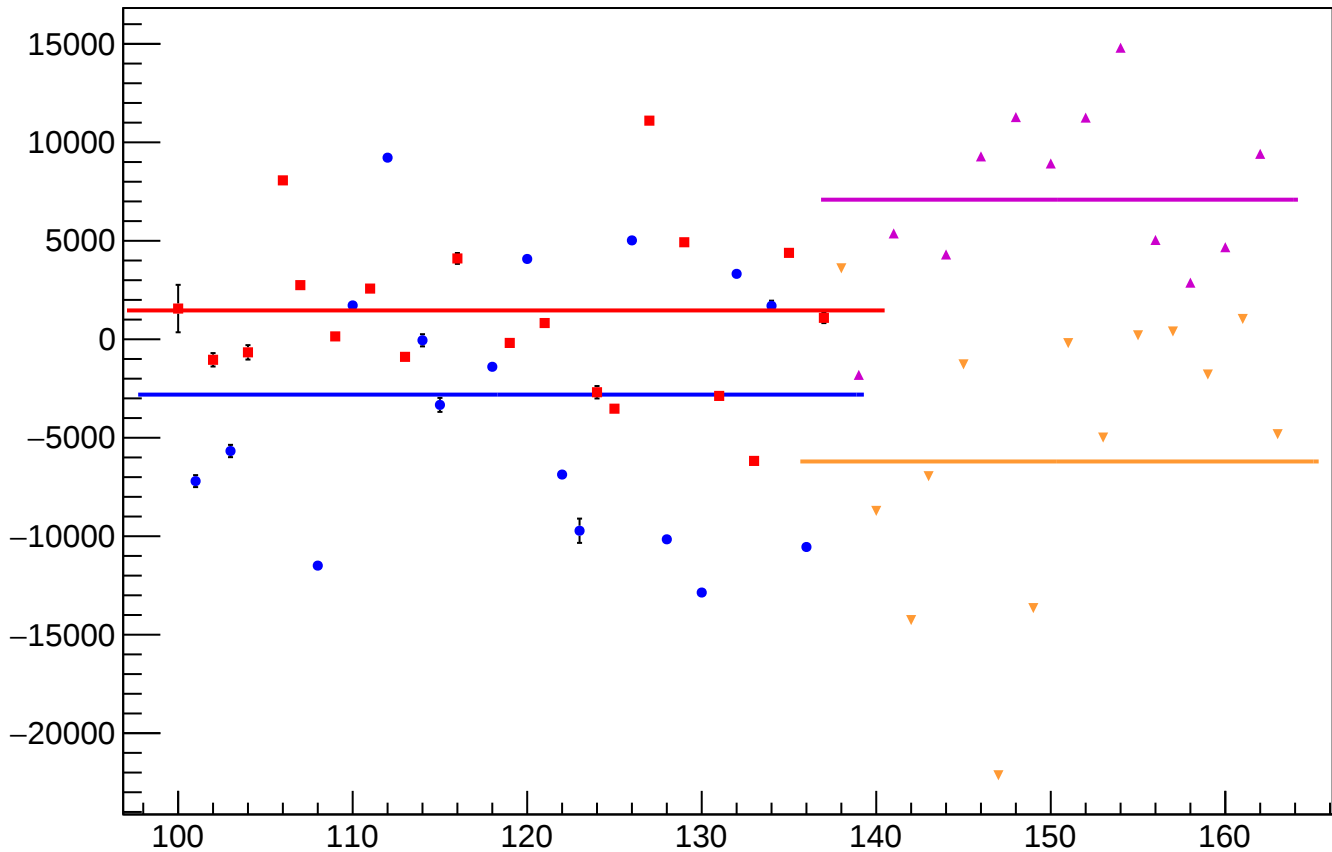
Left In: 121.851 $\pm$ 0.028 χ^2 /NDF: 476586.7/11

+ sign 119.369 $\pm$ 0.021 χ^2 /NDF: 1381044.1/30

All: 118.774 $\pm$ 0.015 χ^2 /NDF: 2694200.4/61

- sign 118.178 $\pm$ 0.021 χ^2 /NDF: 1311565.6/30

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 $\chi^2/\text{NDF}: 21263.1/16$

Left Out: -6204.114 ± 40.866 $\chi^2/\text{NDF}: 34002.7/13$

Right Out: 1465.074 ± 46.394 $\chi^2/\text{NDF}: 8004.7/18$

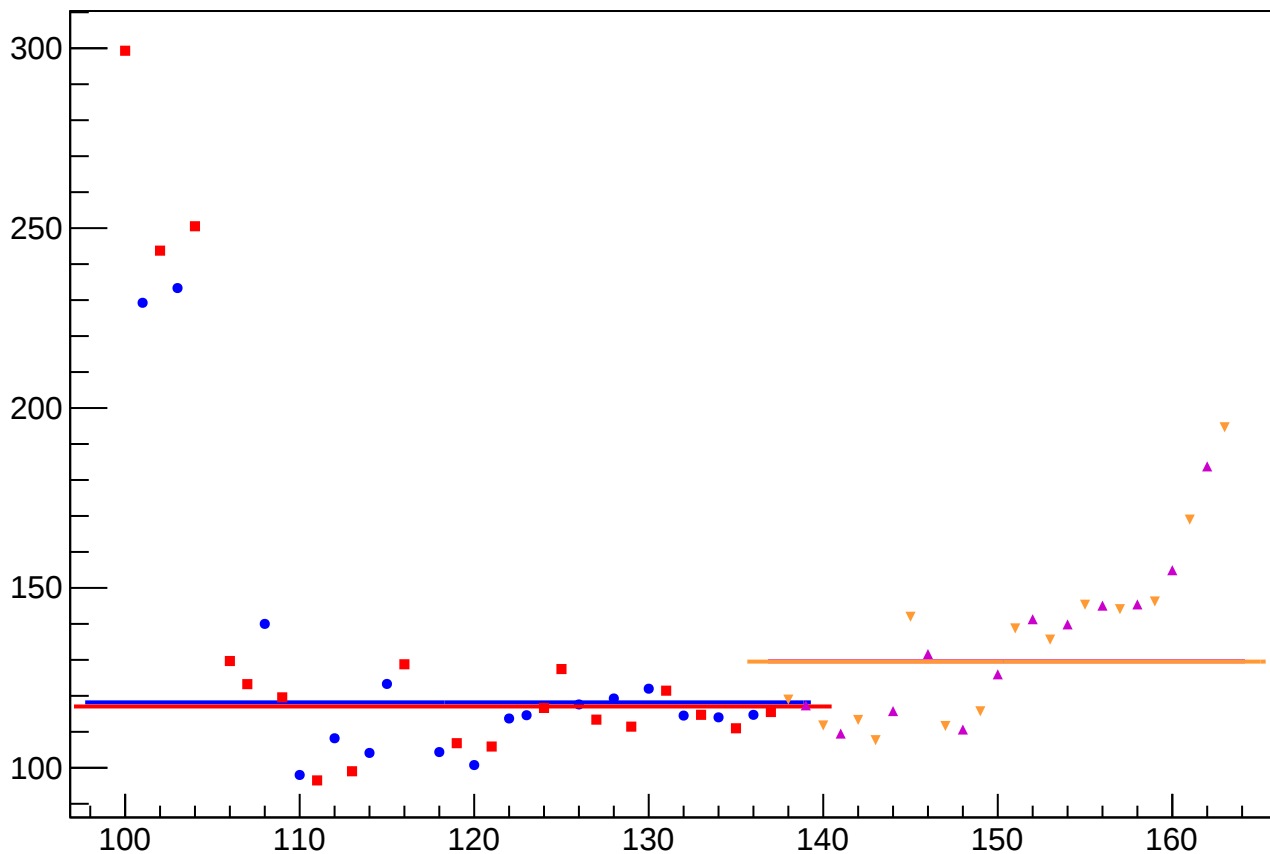
Left In: 7088.515 ± 42.438 $\chi^2/\text{NDF}: 10315.0/11$

+ sign -4787.172 ± 31.193 $\chi^2/\text{NDF}: 58146.4/30$

All: -148.085 ± 22.099 $\chi^2/\text{NDF}: 128871.1/61$

- sign 4526.787 ± 31.313 $\chi^2/\text{NDF}: 26318.7/30$

asym_bpm2i01WS_rms vs Slug



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 129.519+/-0.029 χ^2/NDF : 510448.8/13

Right Out: 117.046+/-0.033 χ^2/NDF : 690635.5/18

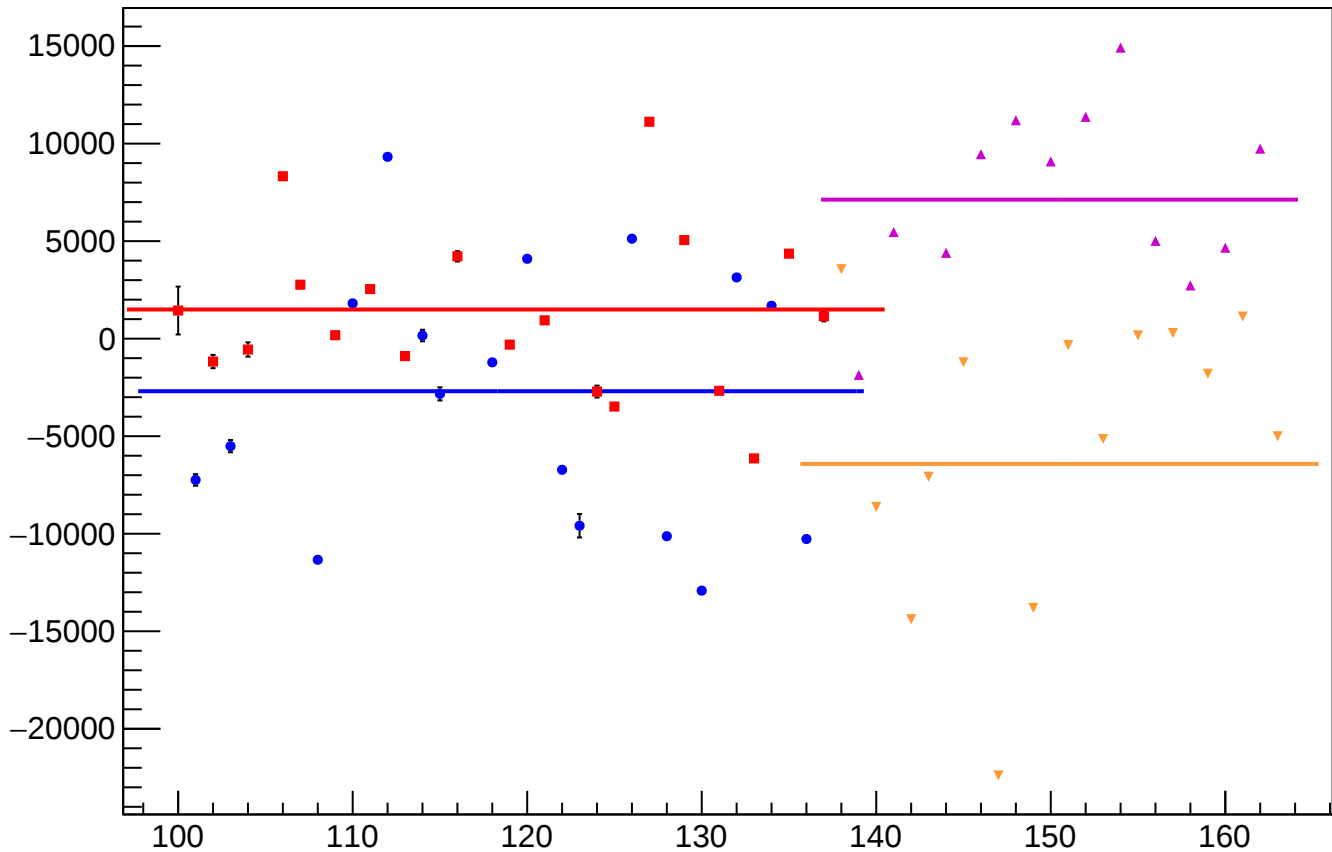
Left In: 129.601+/-0.030 χ^2/NDF : 372491.3/11

+ sign 124.790+/-0.022 χ^2/NDF : 1210873.6/30

All: 124.337+/-0.016 χ^2/NDF : 2354591.7/61

- sign 123.881+/-0.022 χ^2/NDF : 1142872.5/30

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 $\chi^2/\text{NDF}: 22860.3/16$

Left Out: -6420.849 ± 39.855 $\chi^2/\text{NDF}: 37165.7/13$

Right Out: 1495.744 ± 44.445 $\chi^2/\text{NDF}: 8717.2/18$

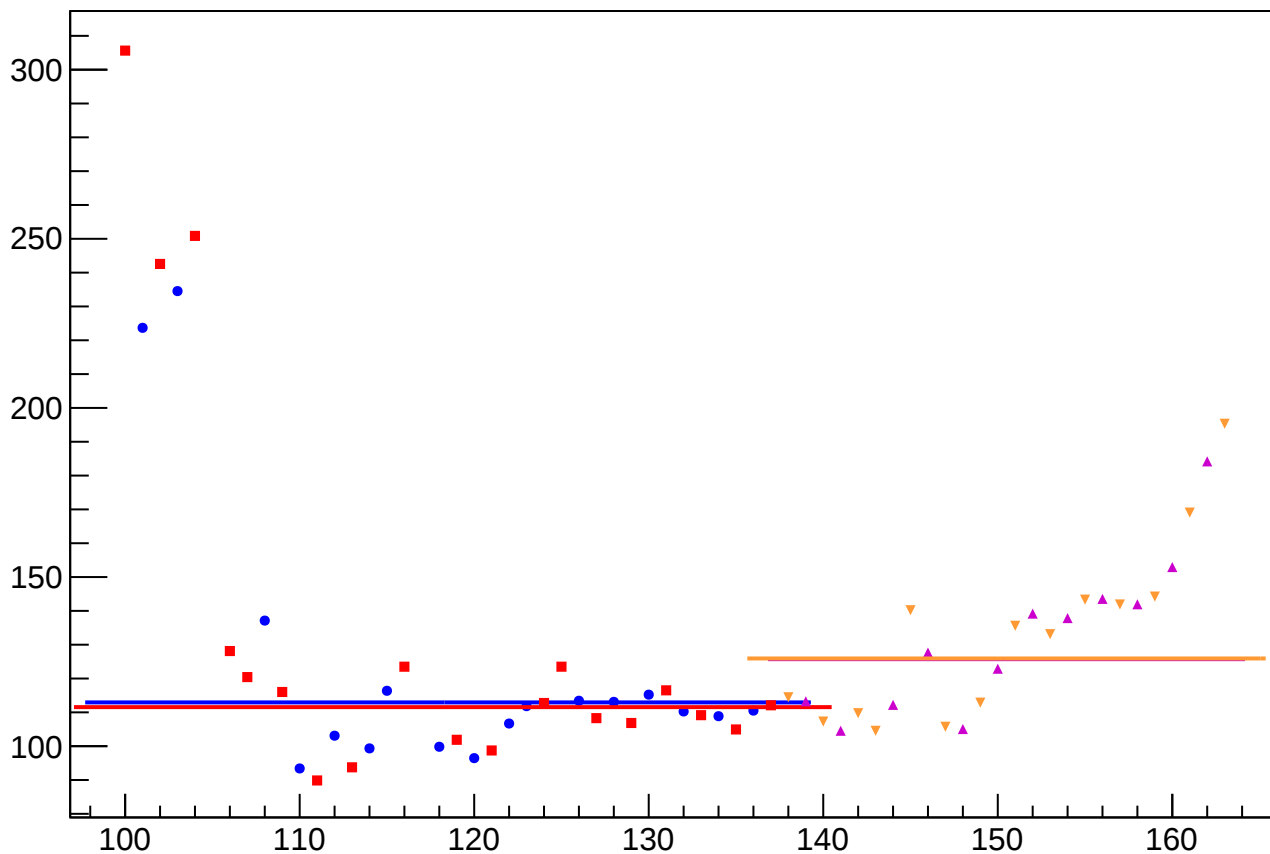
Left In: 7128.610 ± 41.295 $\chi^2/\text{NDF}: 11122.1/11$

+ sign -4836.626 ± 30.219 $\chi^2/\text{NDF}: 63742.7/30$

All: -164.139 ± 21.380 $\chi^2/\text{NDF}: 140072.2/61$

- sign 4518.796 ± 30.252 $\chi^2/\text{NDF}: 28459.8/30$

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 125.928 $\pm$ 0.028 χ^2 /NDF: 594088.0/13

Right Out: 111.544 $\pm$ 0.031 χ^2 /NDF: 765502.6/18

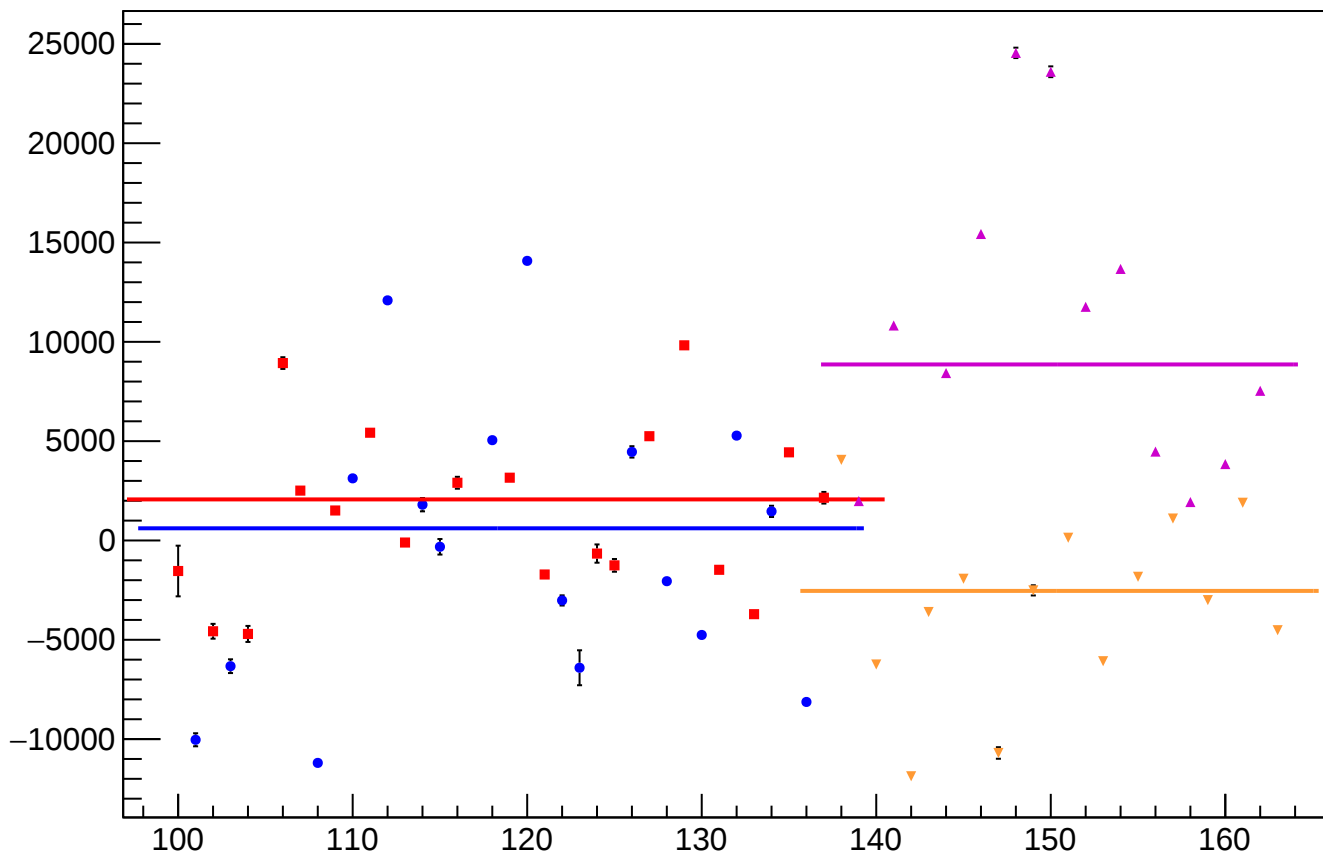
Left In: 125.721 $\pm$ 0.029 χ^2 /NDF: 445148.5/11

+ sign 120.407 $\pm$ 0.021 χ^2 /NDF: 1364660.0/30

All: 119.780 $\pm$ 0.015 χ^2 /NDF: 2686257.4/61

- sign 119.152 $\pm$ 0.021 χ^2 /NDF: 1319876.1/30

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -2538.869 ± 48.599 $\chi^2/\text{NDF}: 6736.2/13$

Right Out: 2067.410 ± 53.931 $\chi^2/\text{NDF}: 4642.7/18$

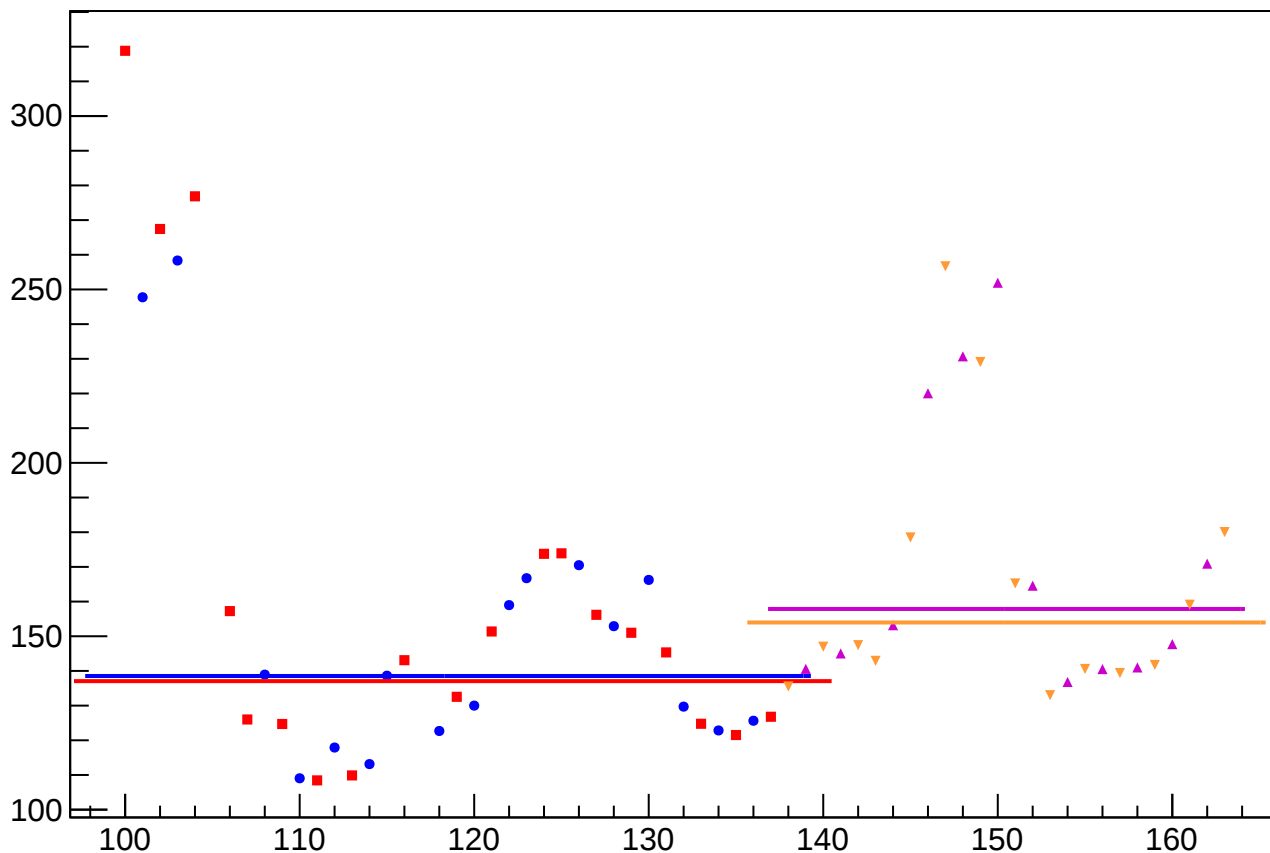
Left In: 8861.955 ± 52.100 $\chi^2/\text{NDF}: 13903.7/11$

+ sign -1186.709 ± 36.722 $\chi^2/\text{NDF}: 26783.8/30$

All: 2129.301 ± 26.227 $\chi^2/\text{NDF}: 70185.1/61$

- sign 5581.971 ± 37.471 $\chi^2/\text{NDF}: 26756.7/30$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 ± 0.040 χ^2/NDF : 668941.7/16

Left Out: 153.971 ± 0.034 χ^2/NDF : 611606.4/13

Right Out: 137.061 ± 0.038 χ^2/NDF : 755491.9/18

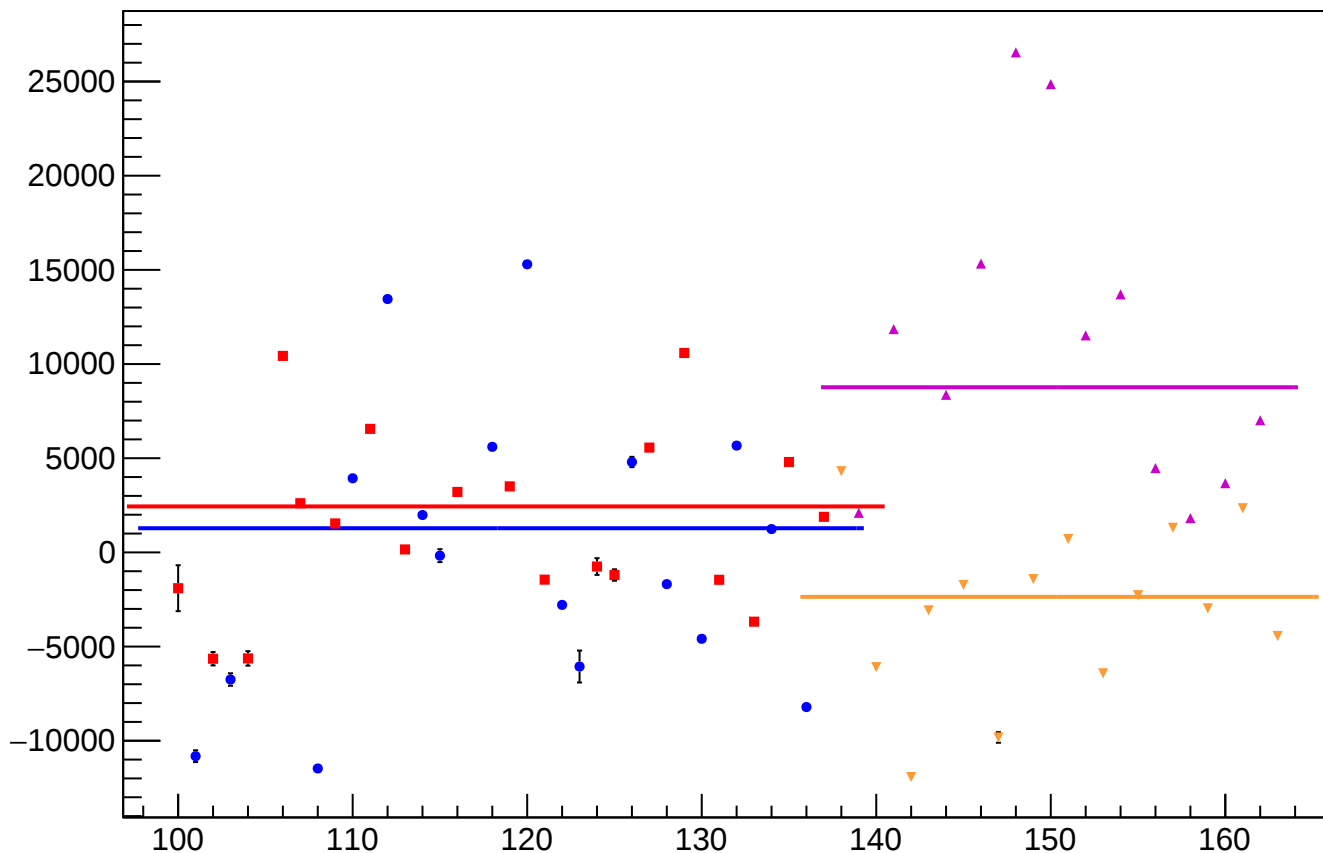
Left In: 157.870 ± 0.037 χ^2/NDF : 663894.3/11

+ sign 147.351 ± 0.026 χ^2/NDF : 1367039.3/30

All: 147.583 ± 0.019 χ^2/NDF : 2940606.1/61

- sign 147.824 ± 0.026 χ^2/NDF : 1573403.9/30

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -2360.567+/-43.164 χ^2/NDF : 9045.4/13

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

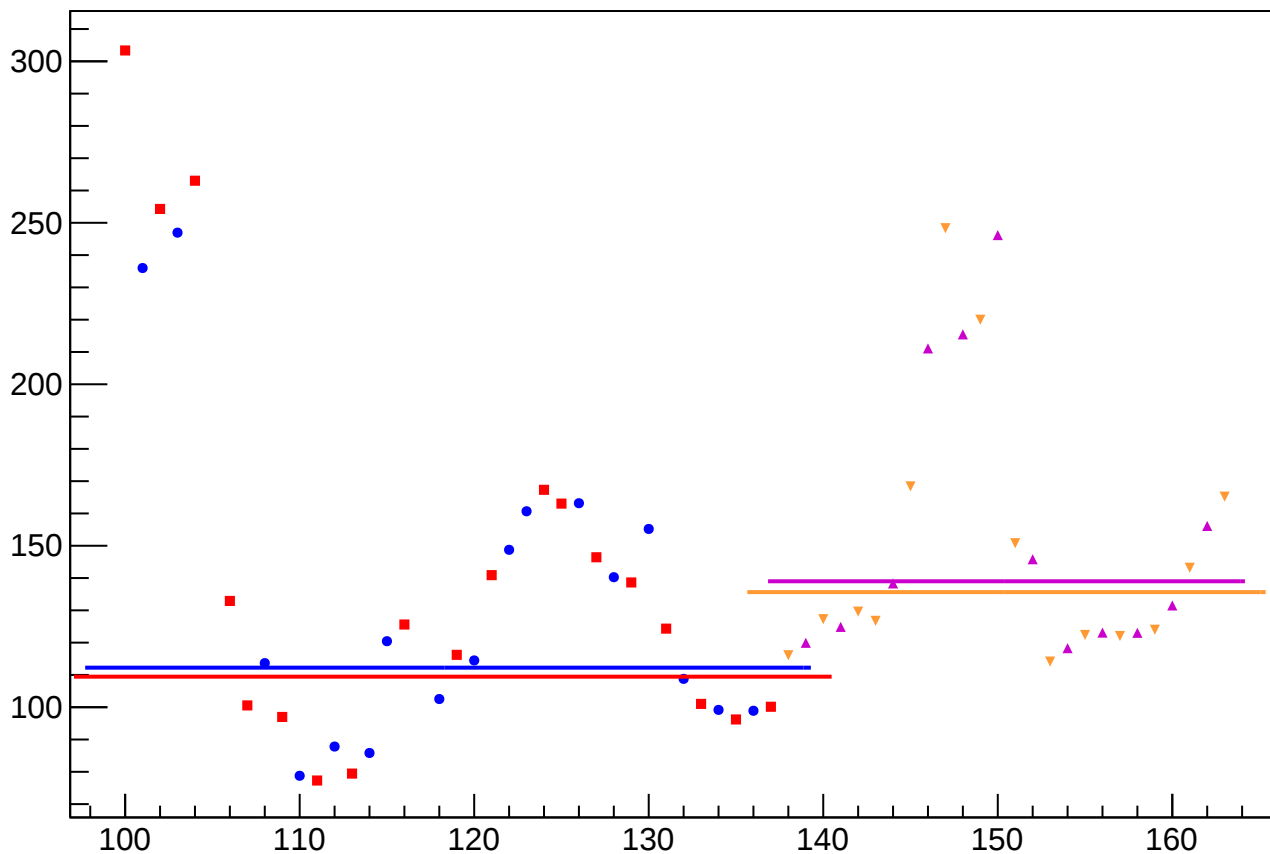
Left In: 8767.365+/-46.345 χ^2/NDF : 18636.5/11

+ sign -676.985+/-31.658 χ^2/NDF : 42878.6/30

All: 2356.887+/-22.512 χ^2/NDF : 97513.1/61

- sign 5460.166+/-32.018 χ^2/NDF : 36056.4/30

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 135.643+/-0.031 χ^2/NDF : 841581.8/13

Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

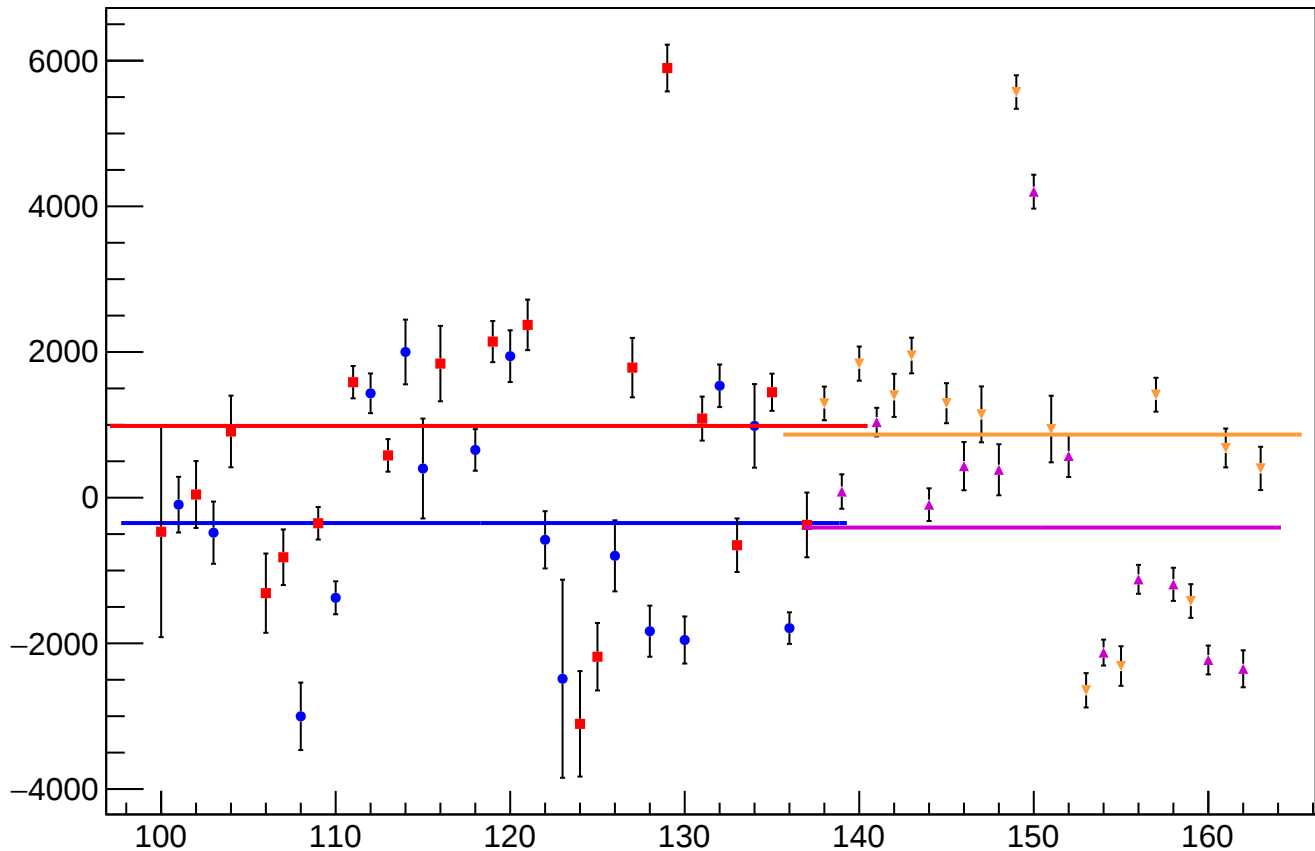
Left In: 138.999+/-0.033 χ^2/NDF : 891518.0/11

+ sign 124.834+/-0.022 χ^2/NDF : 2238547.1/30

All: 124.204+/-0.016 χ^2/NDF : 4825994.1/61

- sign 123.559+/-0.023 χ^2/NDF : 2585842.9/30

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 866.037 ± 70.245 χ^2/NDF : 928.2/13

Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

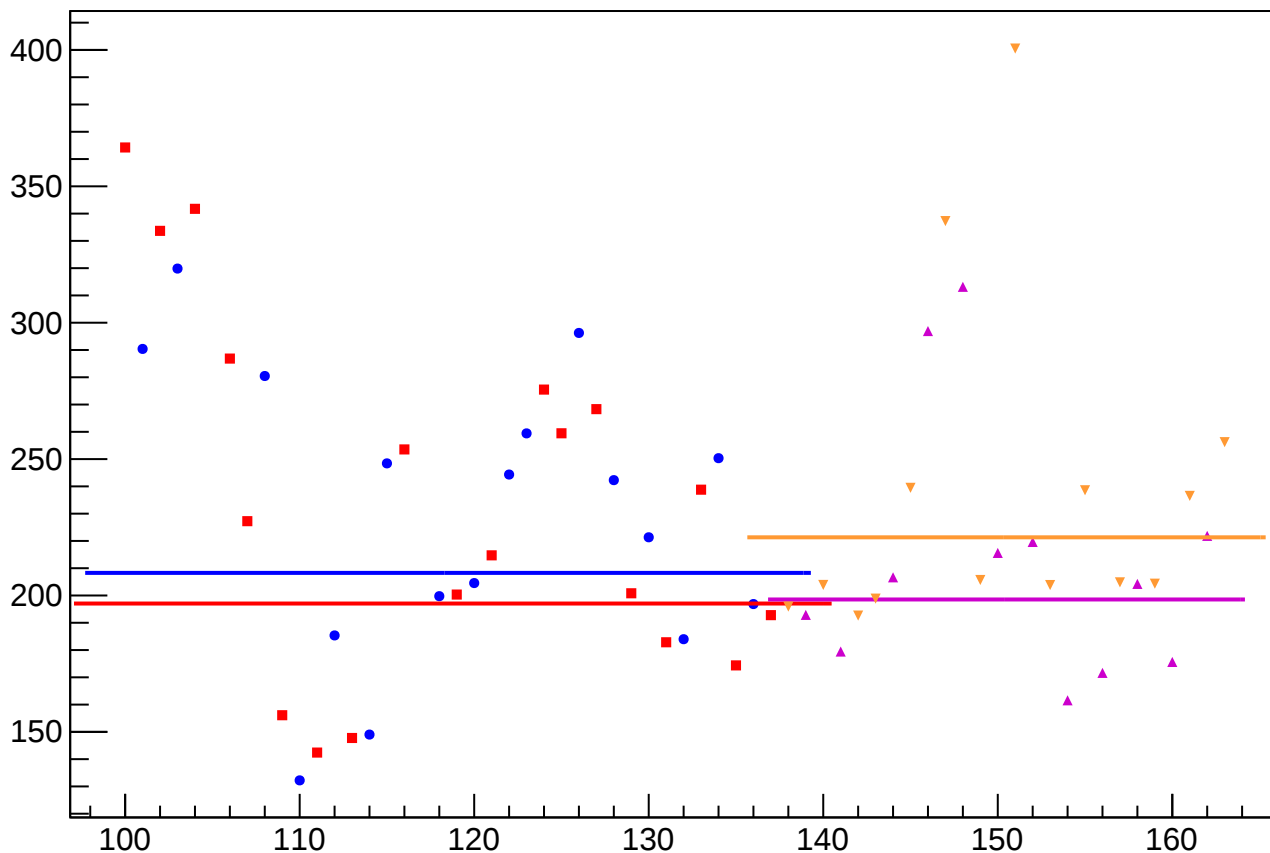
Left In: -410.160 ± 66.100 χ^2/NDF : 737.4/11

+ sign 365.191 ± 53.840 χ^2/NDF : 1368.8/30

All: 264.171 ± 36.772 χ^2/NDF : 2776.4/61

- sign 175.851 ± 50.342 χ^2/NDF : 1401.1/30

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 $\pm$ 0.059 χ^2 /NDF: 698491.0/16

Left Out: 221.323 $\pm$ 0.050 χ^2 /NDF: 652704.3/13

Right Out: 197.051 $\pm$ 0.055 χ^2 /NDF: 926786.6/18

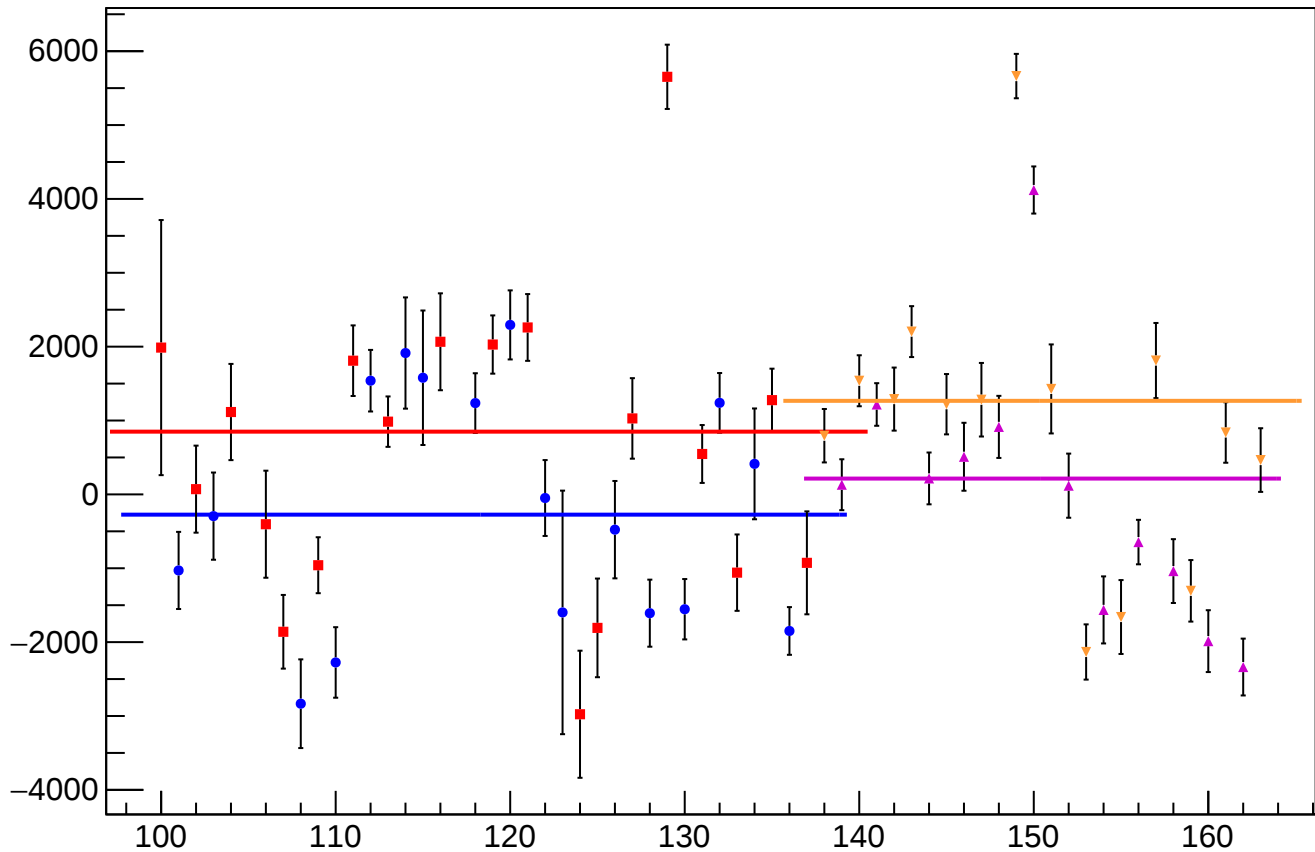
Left In: 198.538 $\pm$ 0.047 χ^2 /NDF: 602894.7/11

+ sign 215.946 $\pm$ 0.038 χ^2 /NDF: 1379610.0/30

All: 206.325 $\pm$ 0.026 χ^2 /NDF: 3029410.3/61

- sign 197.914 $\pm$ 0.036 χ^2 /NDF: 1530106.6/30

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 1266.548 ± 107.884 χ^2/NDF : 384.6/13

Right Out: 849.413 ± 115.349 χ^2/NDF : 263.3/18

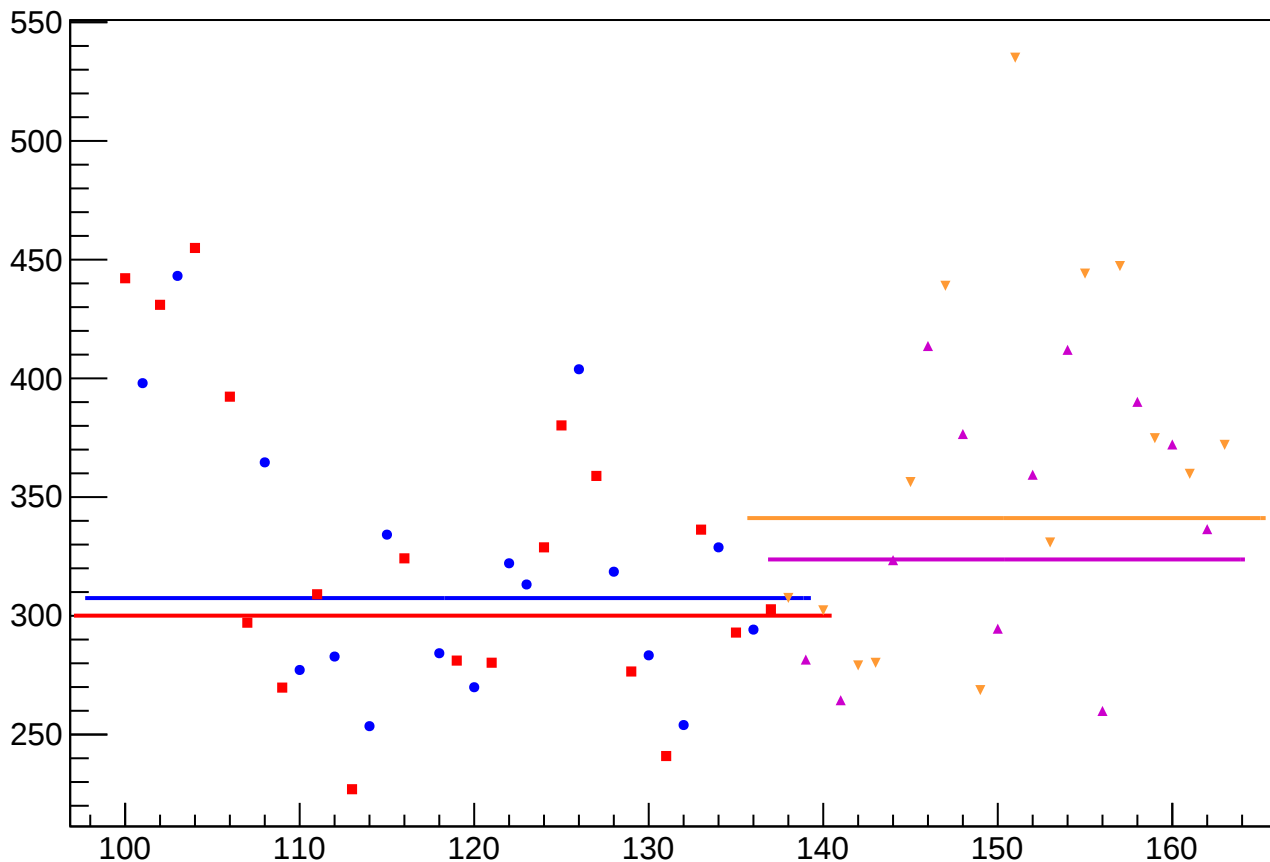
Left In: 214.073 ± 106.723 χ^2/NDF : 268.8/11

+ sign 586.194 ± 80.621 χ^2/NDF : 646.3/30

All: 545.511 ± 56.183 χ^2/NDF : 1195.2/61

- sign 507.101 ± 78.337 χ^2/NDF : 548.4/30

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 $\pm$ 0.086 χ^2 /NDF: 323096.7/16

Left Out: 341.157 $\pm$ 0.076 χ^2 /NDF: 751498.4/13

Right Out: 300.069 $\pm$ 0.082 χ^2 /NDF: 490398.9/18

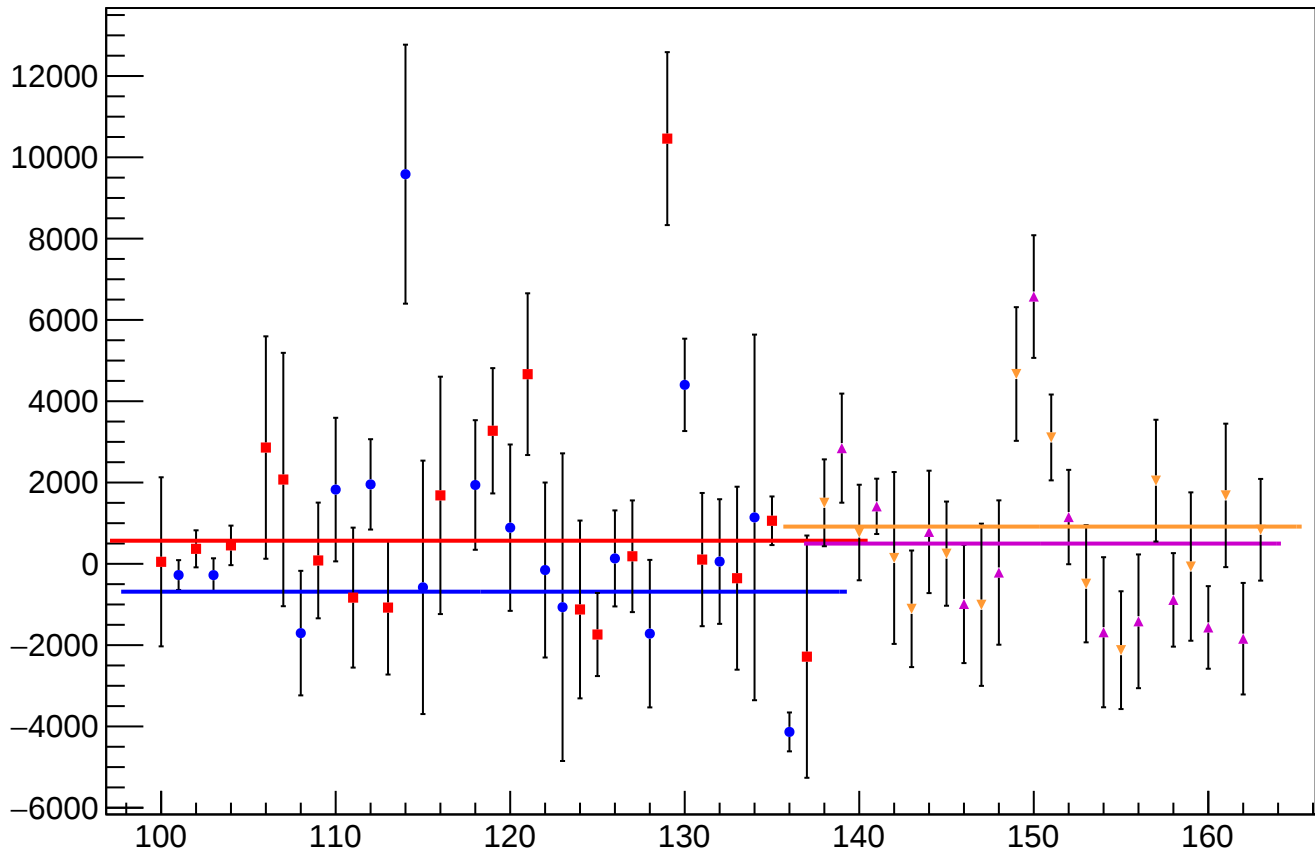
Left In: 323.735 $\pm$ 0.075 χ^2 /NDF: 494371.2/11

+ sign 326.281 $\pm$ 0.057 χ^2 /NDF: 1160708.6/30

All: 319.357 $\pm$ 0.040 χ^2 /NDF: 2219515.4/61

- sign 312.820 $\pm$ 0.055 χ^2 /NDF: 1030127.1/30

asym_bpm0l03WS_mean vs Slug



Right In: -685.056 ± 210.341 χ^2/NDF : 97.4/16

Left Out: 915.974 ± 375.279 χ^2/NDF : 19.6/13

Right Out: 568.651 ± 243.251 χ^2/NDF : 39.7/18

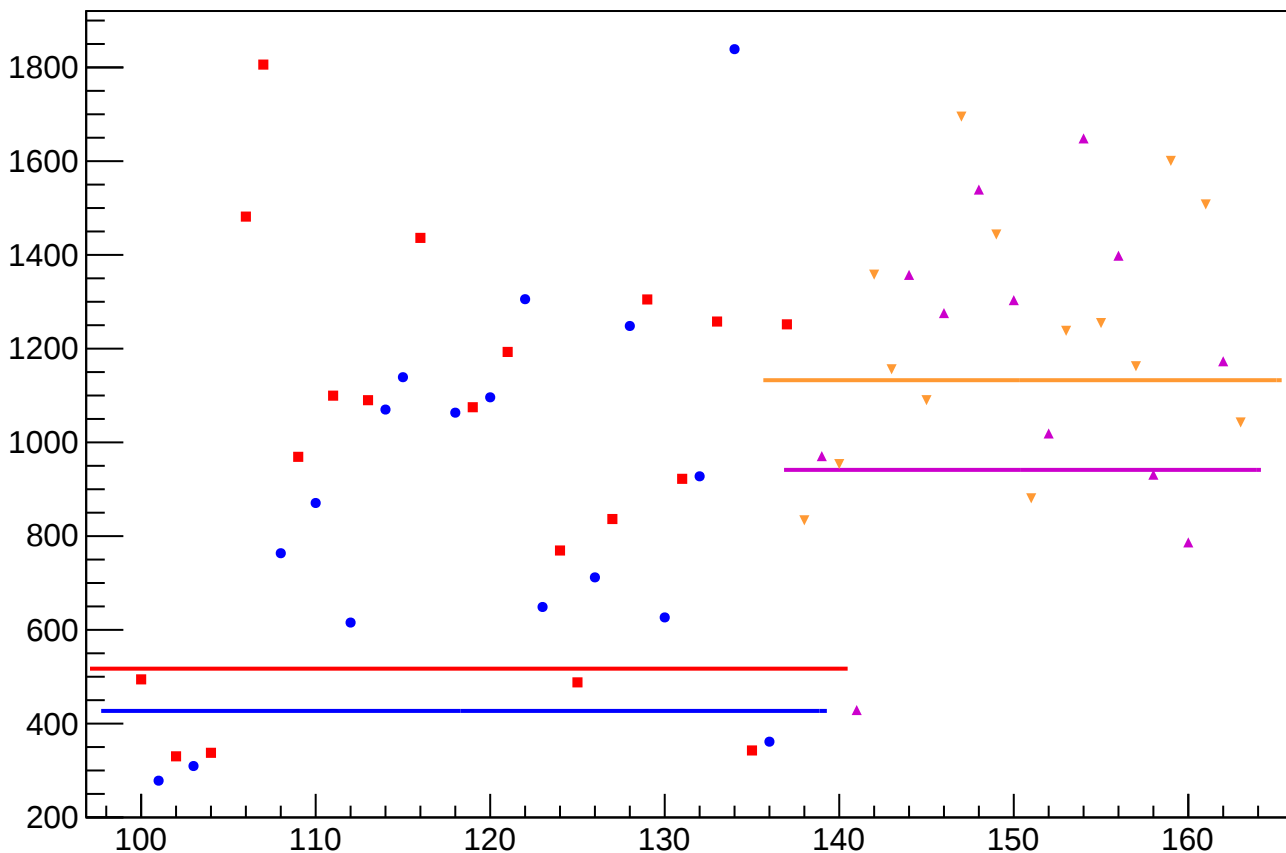
Left In: 498.195 ± 352.564 χ^2/NDF : 33.9/11

+ sign -302.326 ± 183.485 χ^2/NDF : 130.8/30

All: 84.876 ± 135.274 χ^2/NDF : 214.2/61

- sign 545.928 ± 200.220 χ^2/NDF : 73.6/30

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1132.668+/-0.265 χ^2/NDF : 830492.9/13

Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

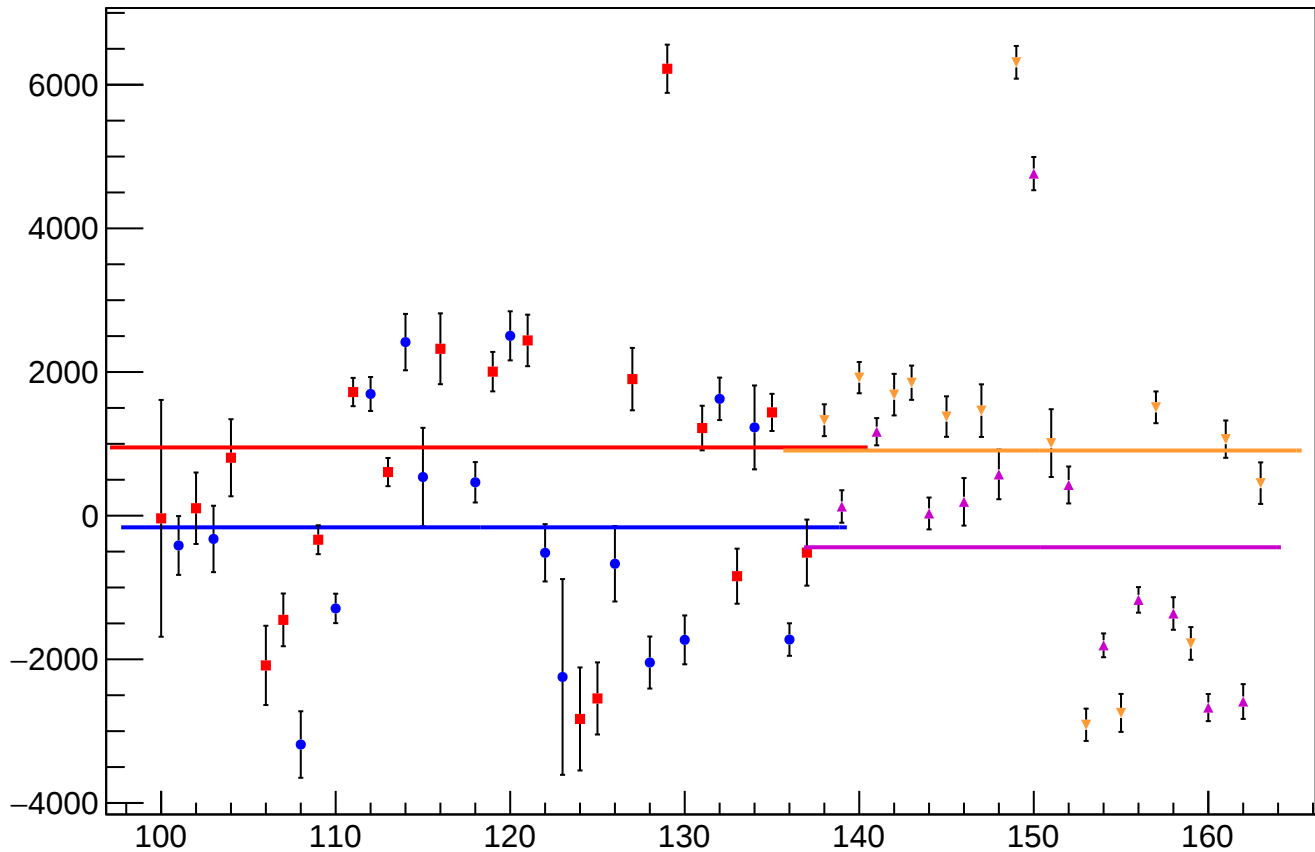
Left In: 941.345+/-0.249 χ^2/NDF : 2295694.5/11

+ sign 595.752+/-0.130 χ^2/NDF : 9076125.1/30

All: 622.346+/-0.096 χ^2/NDF : 17029705.4/63

- sign 654.013+/-0.142 χ^2/NDF : 7861534.8/30

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 χ^2/NDF : 387.6/16

Left Out: 907.177 ± 68.159 χ^2/NDF : 1243.9/13

Right Out: 950.093 ± 75.133 χ^2/NDF : 539.8/18

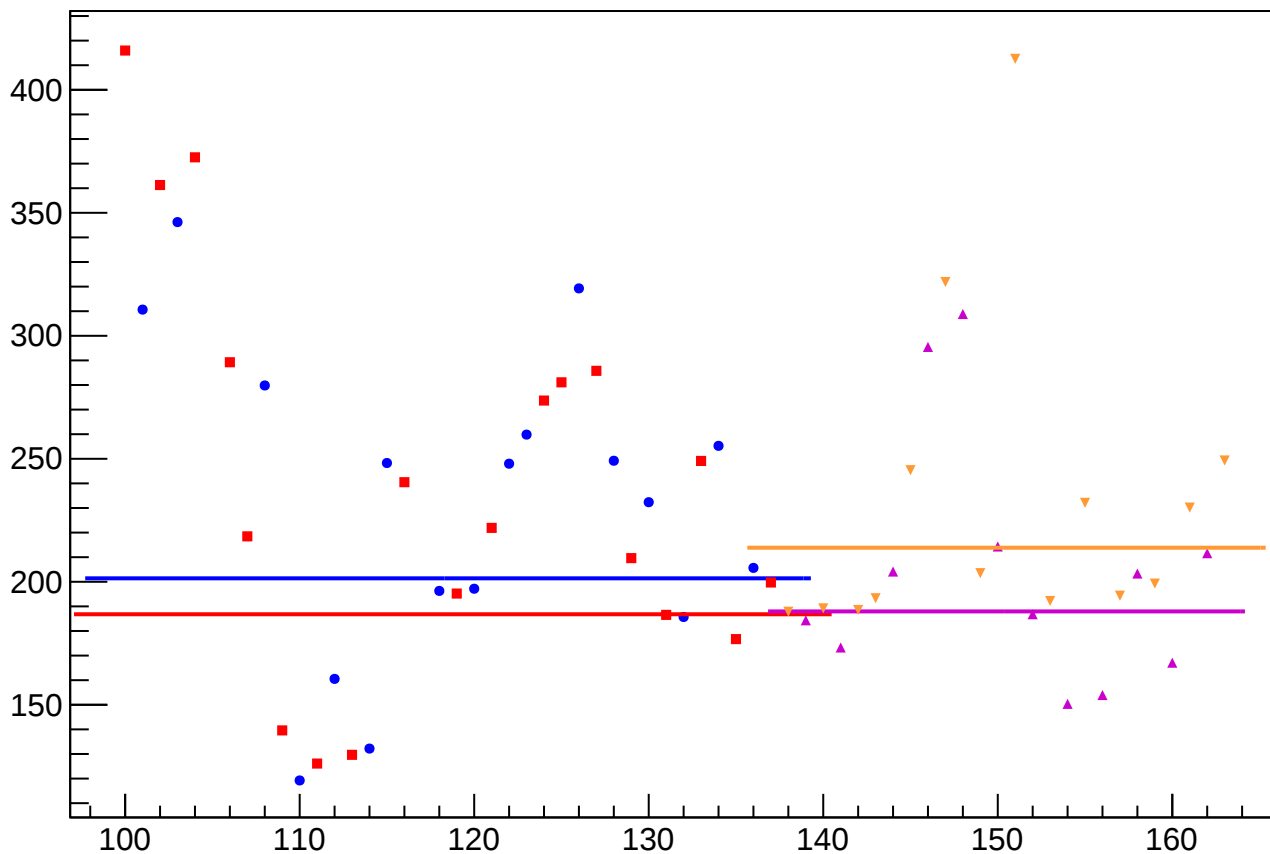
Left In: -439.838 ± 63.051 χ^2/NDF : 931.7/11

+ sign 472.378 ± 52.507 χ^2/NDF : 1731.6/30

All: 289.366 ± 35.547 χ^2/NDF : 3426.3/61

- sign 134.519 ± 48.298 χ^2/NDF : 1672.3/30

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 213.856 $\pm$ 0.048 χ^2 /NDF: 730724.3/13

Right Out: 186.797 $\pm$ 0.053 χ^2 /NDF: 1393162.0/18

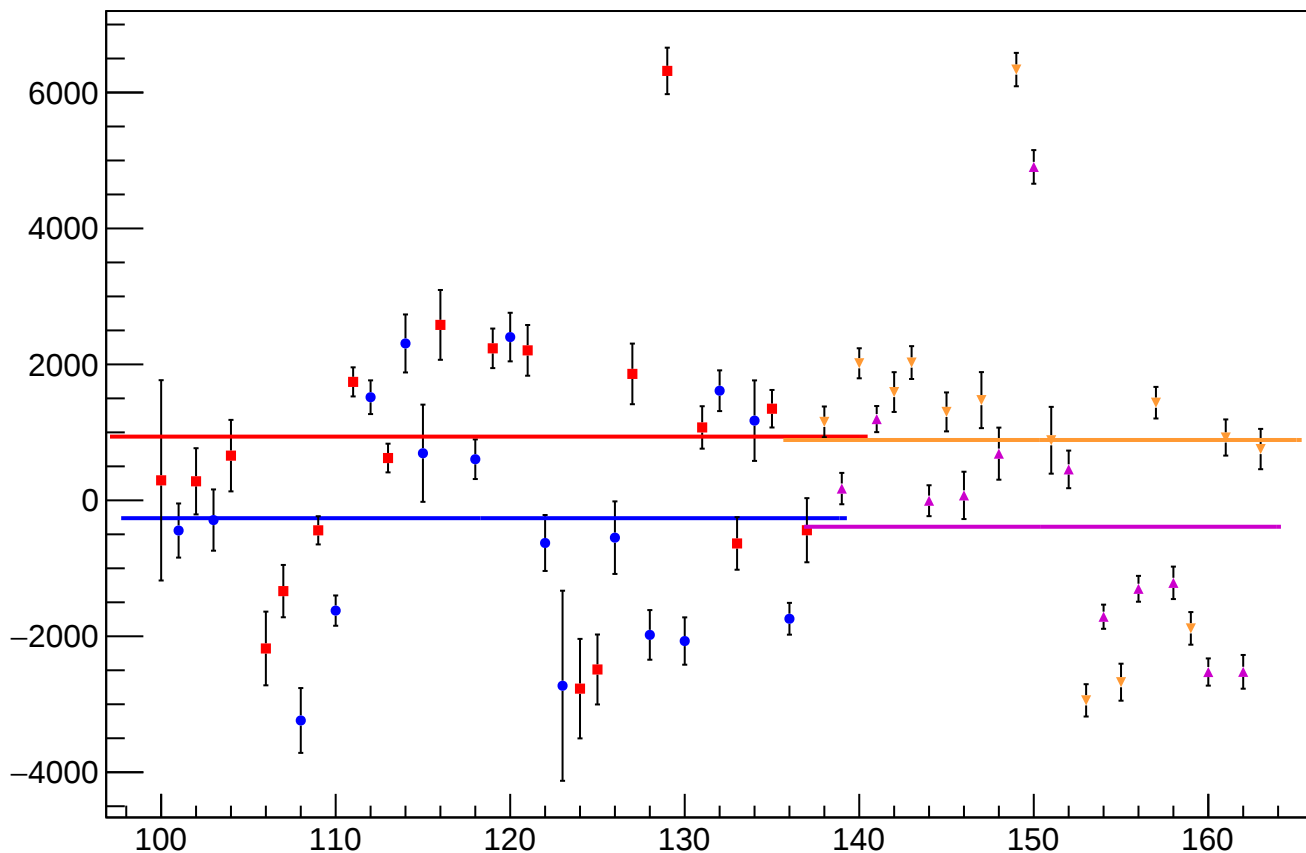
Left In: 187.956 $\pm$ 0.045 χ^2 /NDF: 733499.0/11

+ sign 208.796 $\pm$ 0.037 χ^2 /NDF: 1813863.2/30

All: 197.248 $\pm$ 0.025 χ^2 /NDF: 4119403.8/61

- sign 187.477 $\pm$ 0.034 χ^2 /NDF: 2126939.8/30

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 888.052 ± 70.684 χ^2/NDF : 1122.0/13

Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

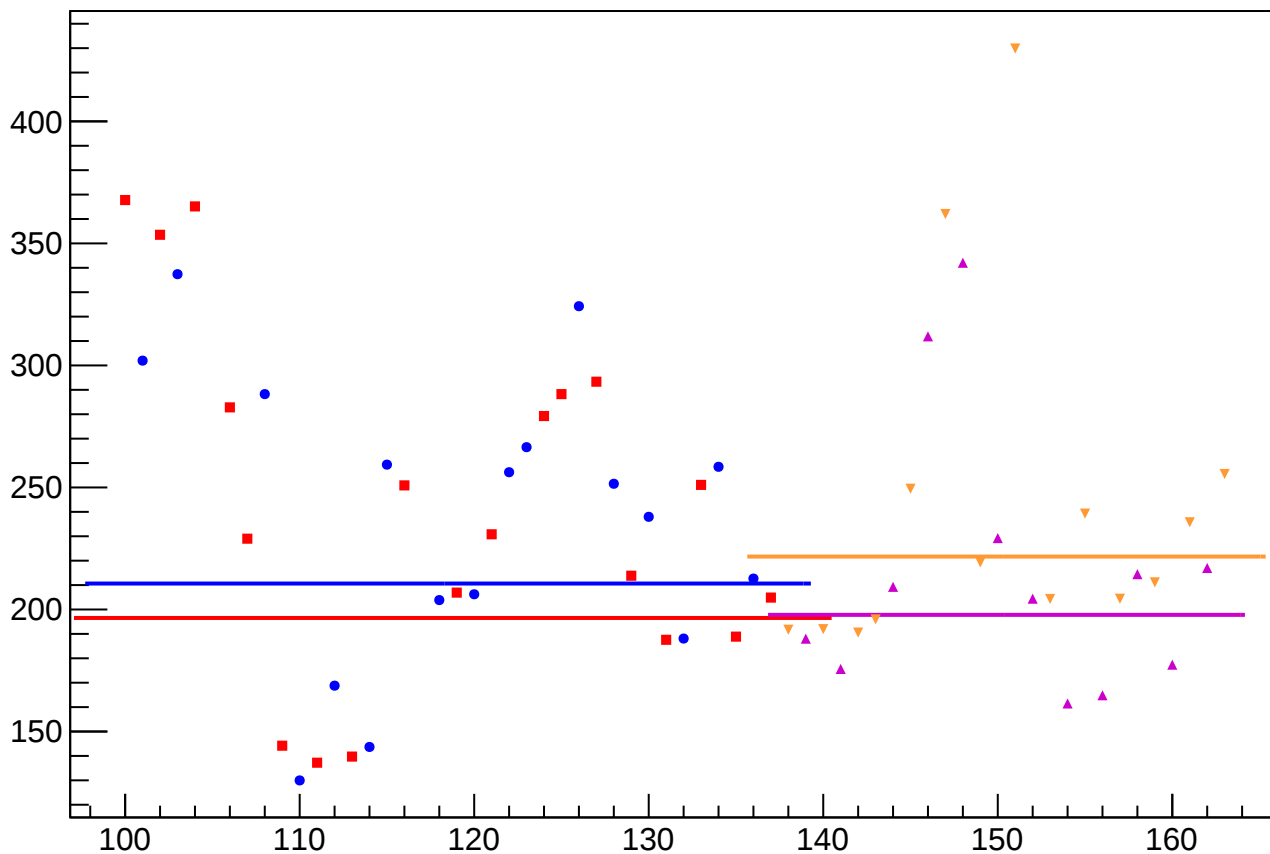
Left In: -388.384 ± 66.263 χ^2/NDF : 831.8/11

+ sign 420.582 ± 54.461 χ^2/NDF : 1598.3/30

All: 282.862 ± 37.076 χ^2/NDF : 3130.7/61

- sign 163.893 ± 50.618 χ^2/NDF : 1520.5/30

asym_bpm0l05WS_rms vs Slug



Right In: 210.636 $\pm$ 0.060 χ^2 /NDF: 875776.4/16

Left Out: 221.686 $\pm$ 0.050 χ^2 /NDF: 792116.8/13

Right Out: 196.528 $\pm$ 0.055 χ^2 /NDF: 1205091.0/18

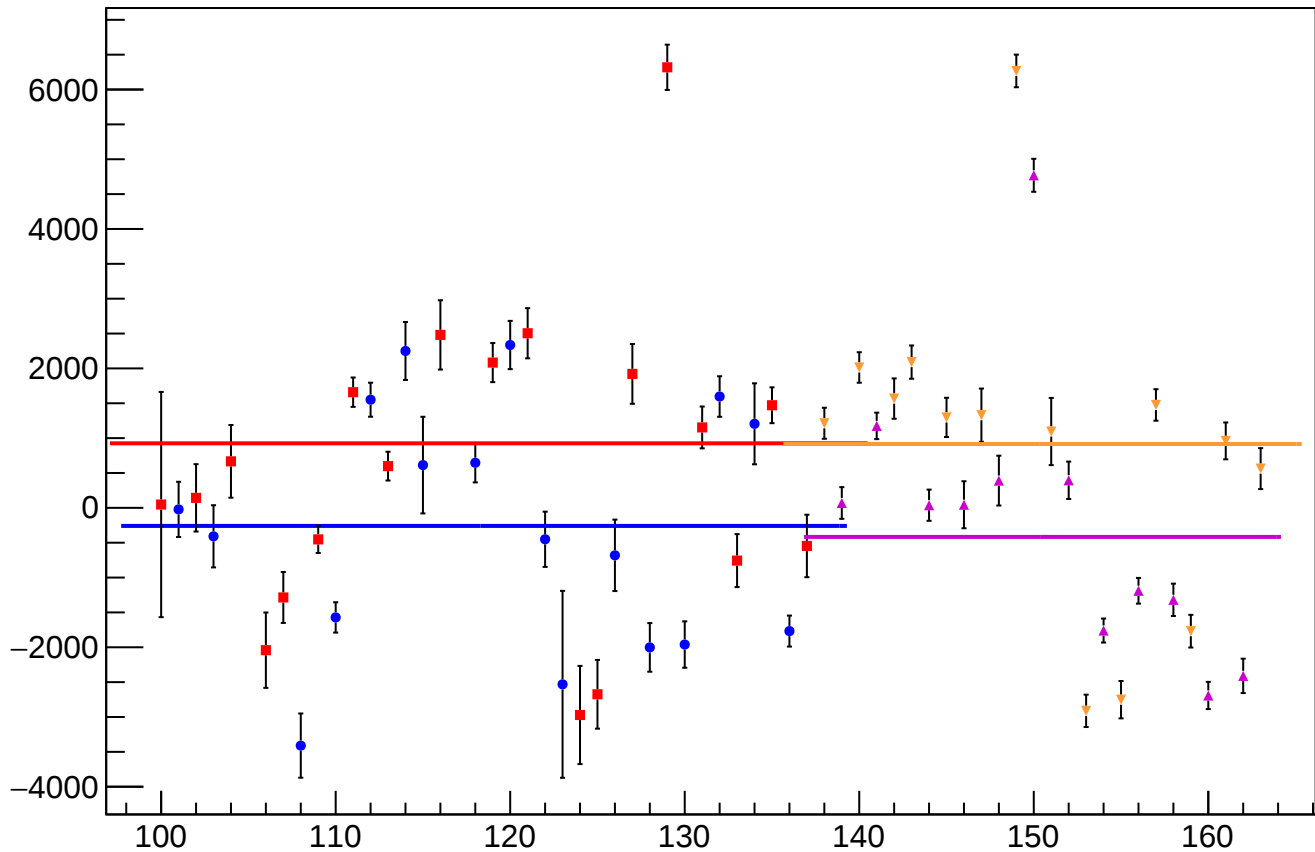
Left In: 197.799 $\pm$ 0.047 χ^2 /NDF: 753382.2/11

+ sign 217.196 $\pm$ 0.039 χ^2 /NDF: 1687756.5/30

All: 206.505 $\pm$ 0.026 χ^2 /NDF: 3790182.8/61

- sign 197.270 $\pm$ 0.036 χ^2 /NDF: 1958779.5/30

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 $\chi^2/\text{NDF}: 391.2/16$

Left Out: 915.735 ± 69.196 $\chi^2/\text{NDF}: 1180.7/13$

Right Out: 925.534 ± 75.503 $\chi^2/\text{NDF}: 581.9/18$

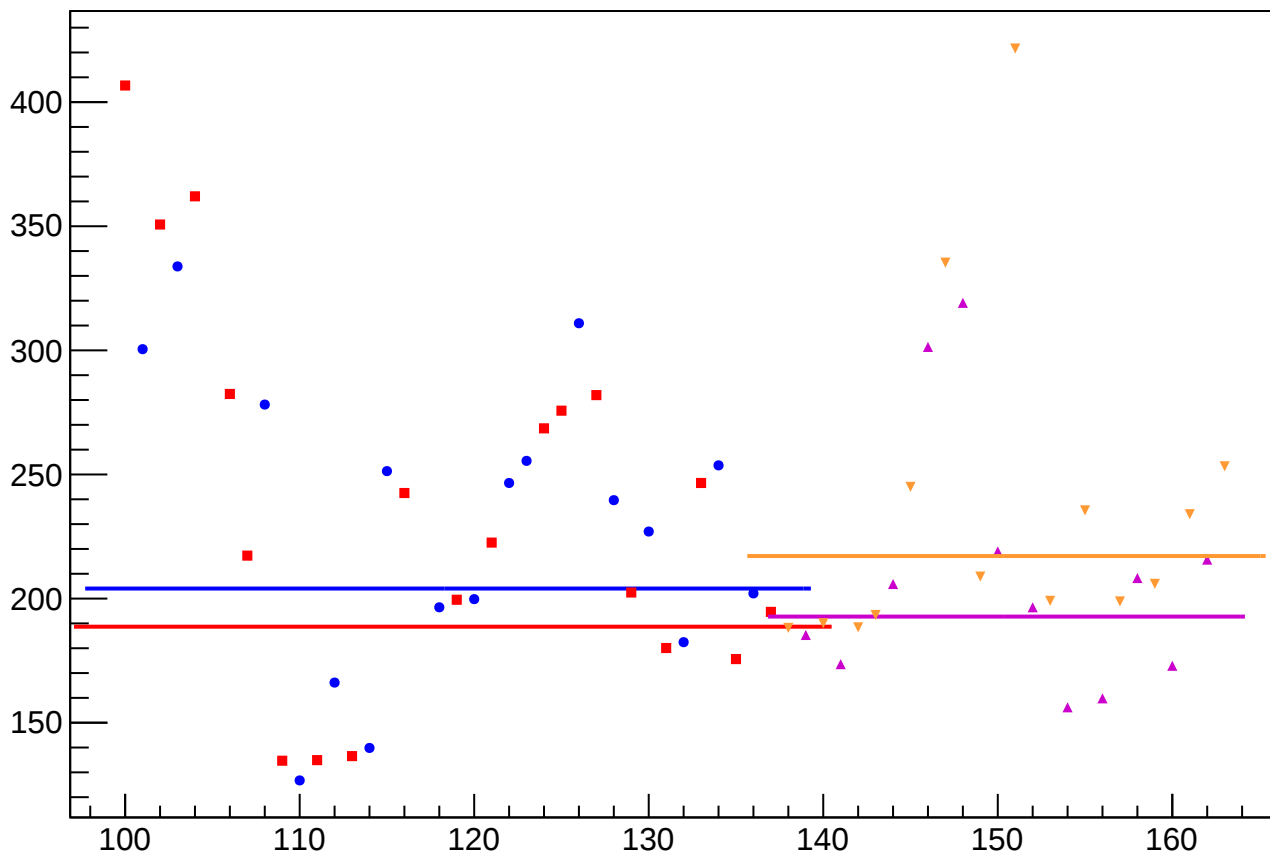
Left In: -416.883 ± 64.560 $\chi^2/\text{NDF}: 871.1/11$

+ sign 432.630 ± 53.096 $\chi^2/\text{NDF}: 1690.5/30$

All: 280.232 ± 36.037 $\chi^2/\text{NDF}: 3341.3/61$

- sign 150.080 ± 49.068 $\chi^2/\text{NDF}: 1635.5/30$

asym_bpm0l06WS_rms vs Slug



Right In: 204.051 $\pm$ 0.059 χ^2 /NDF: 868423.0/16

Left Out: 217.142 $\pm$ 0.049 χ^2 /NDF: 755154.5/13

Right Out: 188.681 $\pm$ 0.053 χ^2 /NDF: 1251107.4/18

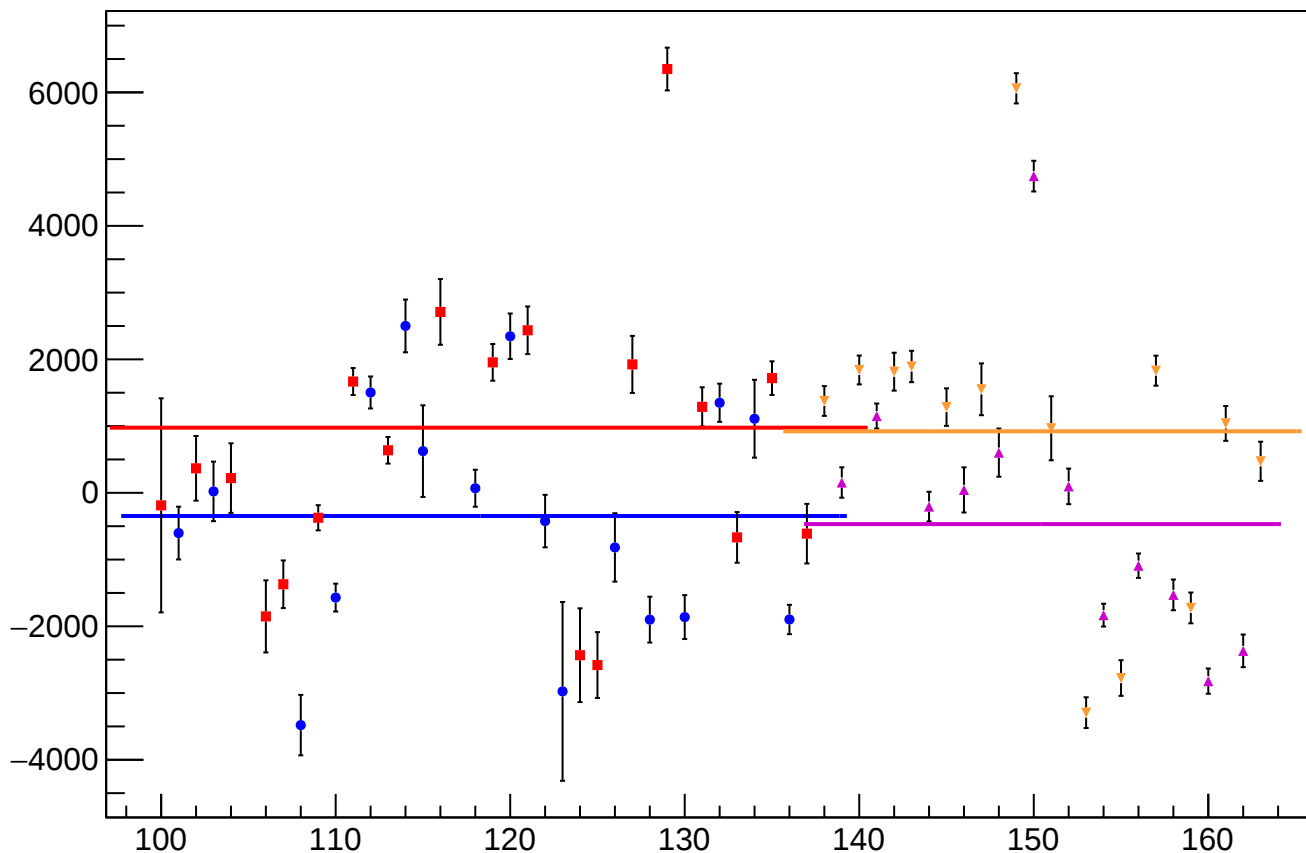
Left In: 192.754 $\pm$ 0.046 χ^2 /NDF: 713287.4/11

+ sign 211.759 $\pm$ 0.038 χ^2 /NDF: 1653010.9/30

All: 200.580 $\pm$ 0.025 χ^2 /NDF: 3785127.5/61

- sign 191.033 $\pm$ 0.035 χ^2 /NDF: 1967757.3/30

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 922.199 ± 68.536 χ^2/NDF : 1245.2/13

Right Out: 976.286 ± 73.889 χ^2/NDF : 585.7/18

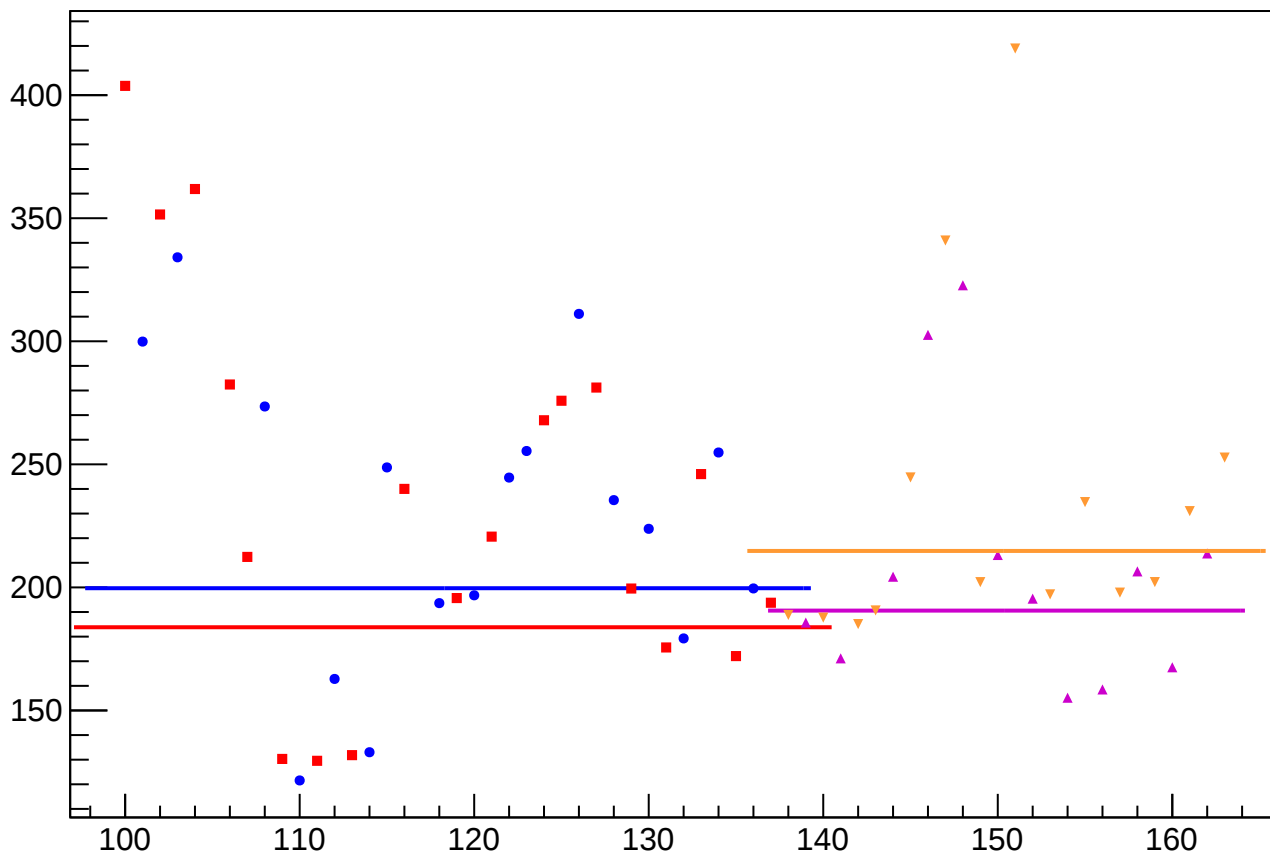
Left In: -468.557 ± 63.892 χ^2/NDF : 923.8/11

+ sign 394.970 ± 52.406 χ^2/NDF : 1786.8/30

All: 262.363 ± 35.528 χ^2/NDF : 3526.9/61

- sign 149.582 ± 48.330 χ^2/NDF : 1728.3/30

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 214.813 $\pm$ 0.048 χ^2 /NDF: 785662.6/13

Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

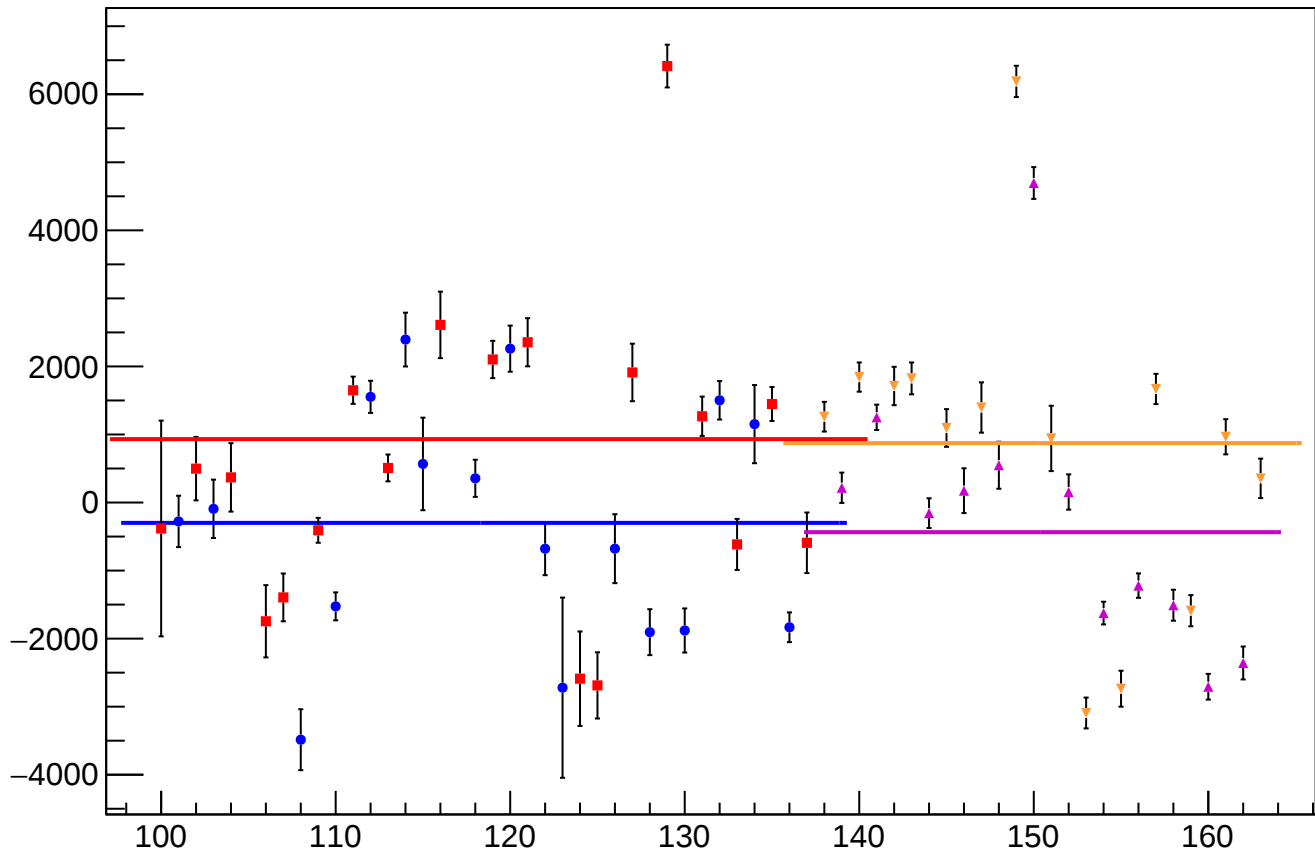
Left In: 190.573 $\pm$ 0.045 χ^2 /NDF: 741219.1/11

+ sign 208.524 $\pm$ 0.037 χ^2 /NDF: 1769375.5/30

All: 197.259 $\pm$ 0.025 χ^2 /NDF: 4040805.9/61

- sign 187.679 $\pm$ 0.034 χ^2 /NDF: 2100435.7/30

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 873.686 ± 67.855 χ^2/NDF : 1210.8/13

Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

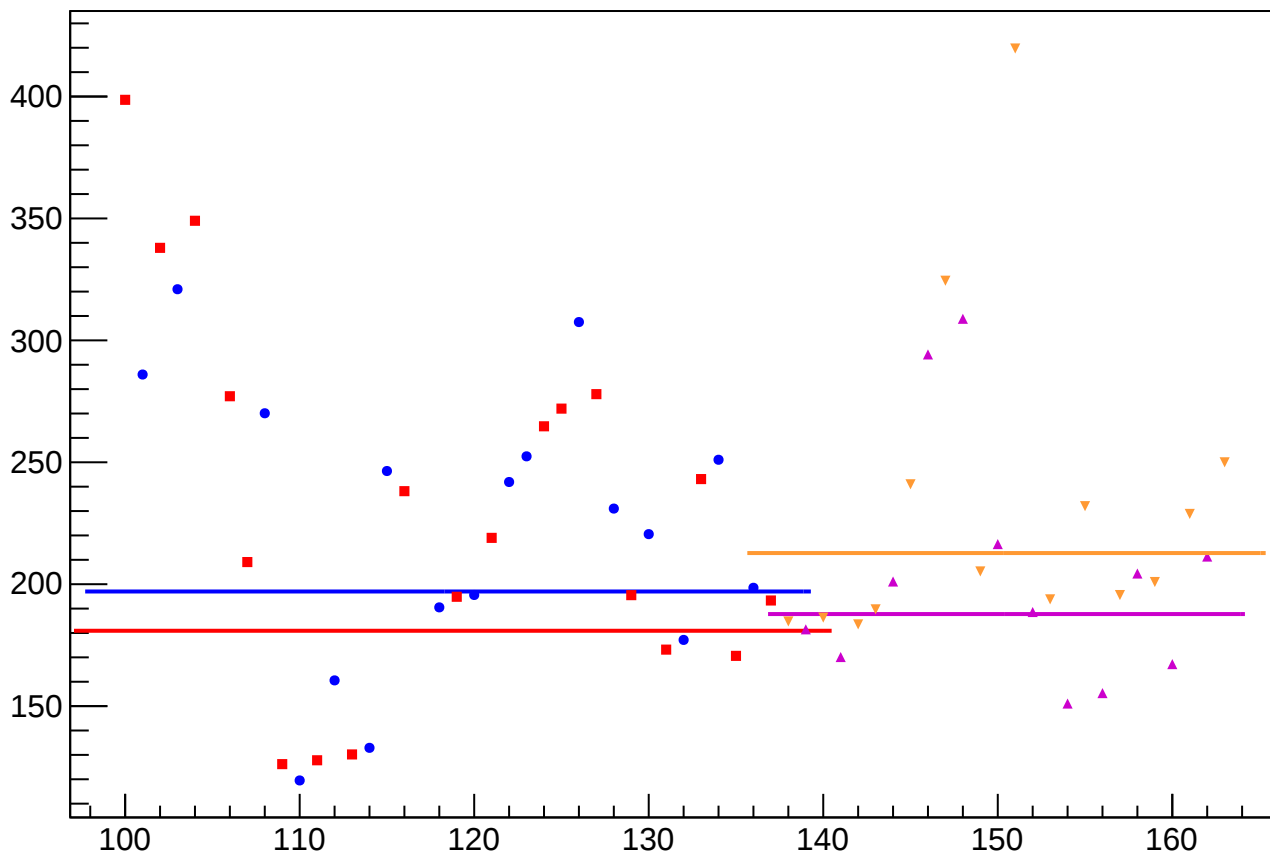
Left In: -435.382 ± 62.971 χ^2/NDF : 891.6/11

+ sign 384.195 ± 51.791 χ^2/NDF : 1742.0/30

All: 257.388 ± 35.051 χ^2/NDF : 3461.4/61

- sign 150.219 ± 47.612 χ^2/NDF : 1708.3/30

asym_bpm0l08WS_rms vs Slug



Right In: 197.013 ± 0.057 χ^2/NDF : 911923.5/16

Left Out: 212.776 ± 0.048 χ^2/NDF : 764266.2/13

Right Out: 180.906 ± 0.051 χ^2/NDF : 1345685.7/18

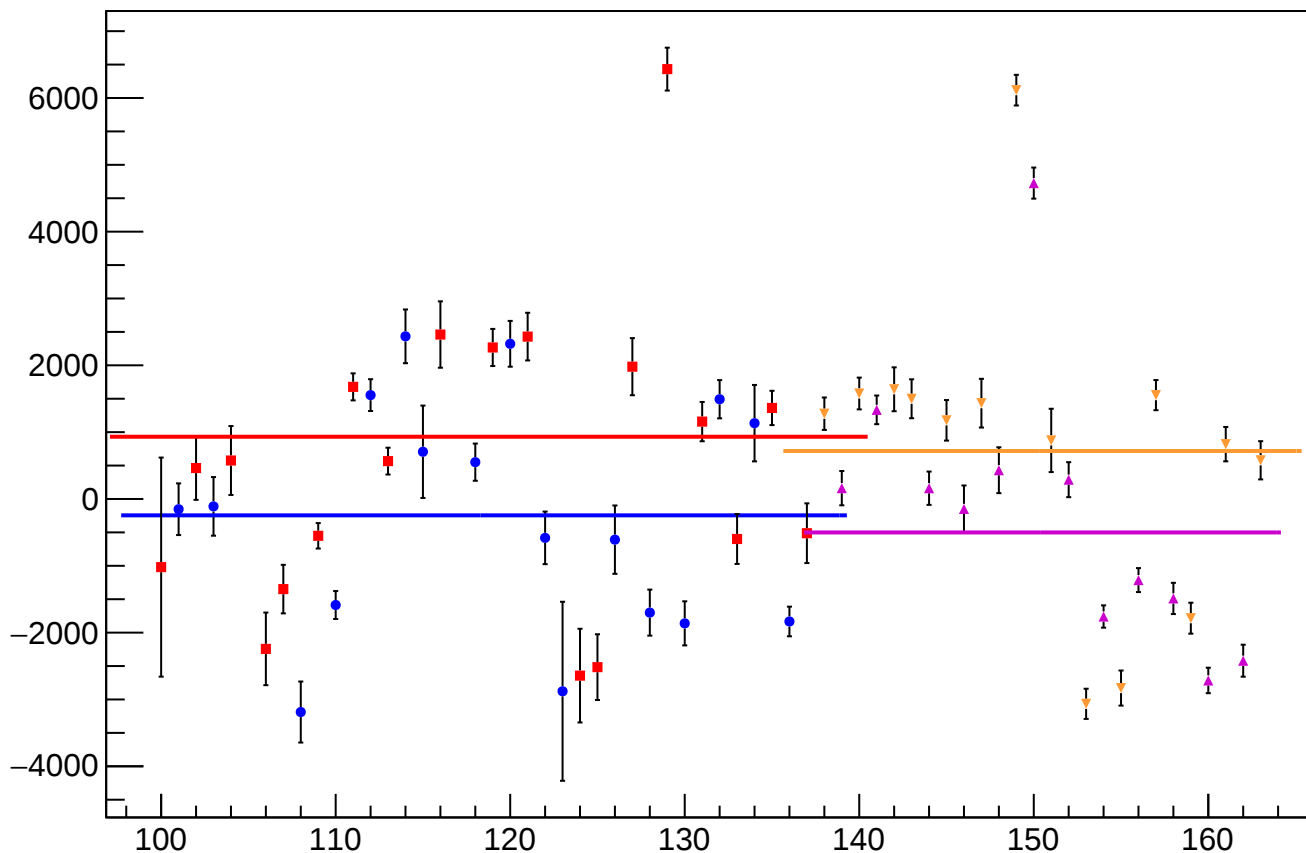
Left In: 187.758 ± 0.045 χ^2/NDF : 727176.5/11

+ sign 206.196 ± 0.037 χ^2/NDF : 1721238.2/30

All: 194.613 ± 0.025 χ^2/NDF : 3988837.4/61

- sign 184.823 ± 0.034 χ^2/NDF : 2083004.1/30

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 $\chi^2/\text{NDF}: 391.4/16$

Left Out: 717.946 ± 71.189 $\chi^2/\text{NDF}: 1188.0/13$

Right Out: 931.272 ± 74.206 $\chi^2/\text{NDF}: 609.7/18$

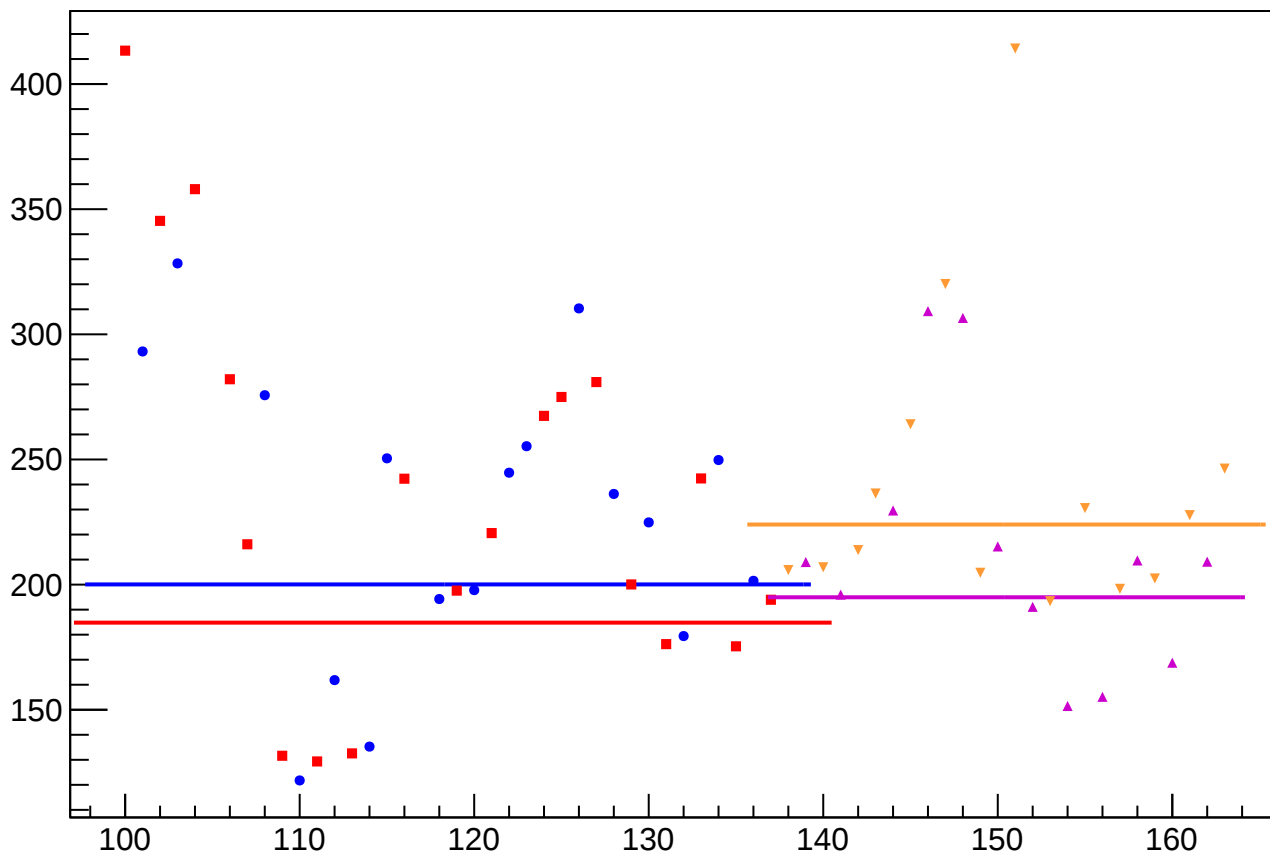
Left In: -500.877 ± 65.528 $\chi^2/\text{NDF}: 899.9/11$

+ sign 300.628 ± 53.585 $\chi^2/\text{NDF}: 1658.7/30$

All: 206.059 ± 36.208 $\chi^2/\text{NDF}: 3383.3/61$

- sign 126.600 ± 49.118 $\chi^2/\text{NDF}: 1718.9/30$

asym_bpm0l09WS_rms vs Slug



Right In: 200.078 $\pm$ 0.058 χ^2 /NDF: 918309.2/16

Left Out: 224.005 $\pm$ 0.050 χ^2 /NDF: 631570.5/13

Right Out: 184.807 $\pm$ 0.052 χ^2 /NDF: 1318267.6/18

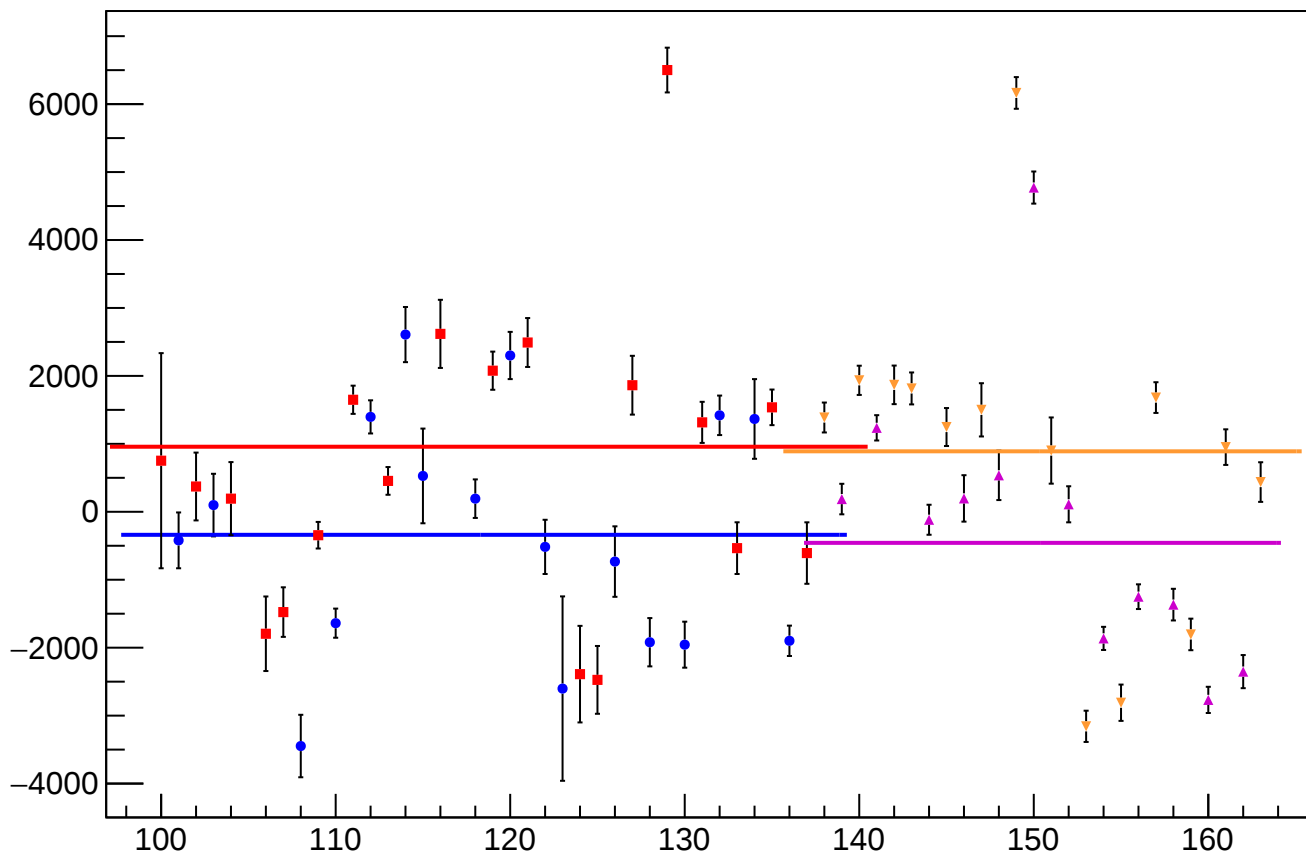
Left In: 194.943 $\pm$ 0.046 χ^2 /NDF: 770609.1/11

+ sign 213.635 $\pm$ 0.038 χ^2 /NDF: 1647802.0/30

All: 201.064 $\pm$ 0.026 χ^2 /NDF: 3960189.8/61

- sign 190.502 $\pm$ 0.035 χ^2 /NDF: 2109842.7/30

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 $\chi^2/\text{NDF}: 389.5/16$

Left Out: 890.018 ± 68.680 $\chi^2/\text{NDF}: 1222.3/13$

Right Out: 957.615 ± 75.749 $\chi^2/\text{NDF}: 570.3/18$

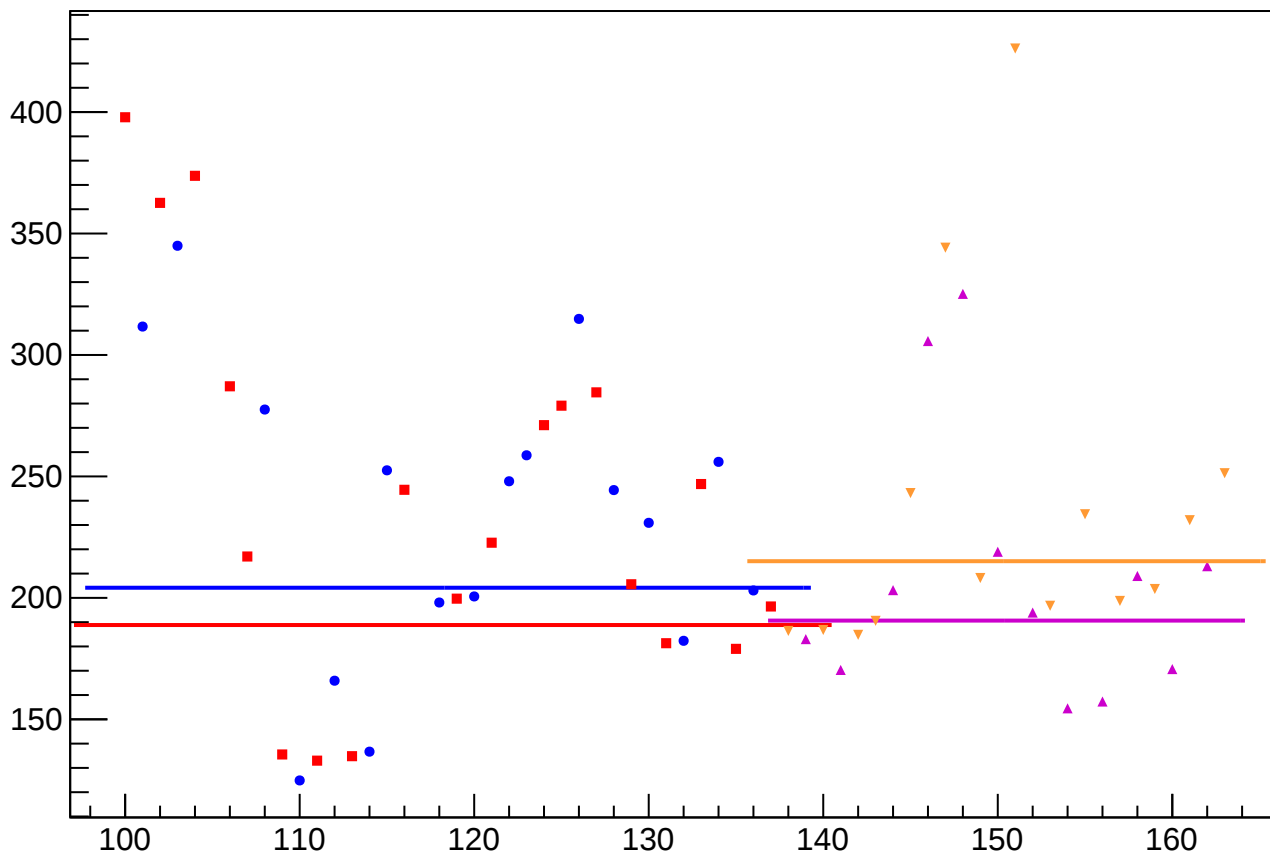
Left In: -457.211 ± 63.993 $\chi^2/\text{NDF}: 904.8/11$

+ sign 391.402 ± 52.946 $\chi^2/\text{NDF}: 1741.7/30$

All: 251.378 ± 35.916 $\chi^2/\text{NDF}: 3433.3/61$

- sign 132.015 ± 48.884 $\chi^2/\text{NDF}: 1678.6/30$

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 $\pm$ 0.059 χ^2 /NDF: 947438.5/16

Left Out: 215.100 $\pm$ 0.049 χ^2 /NDF: 805092.5/13

Right Out: 188.821 $\pm$ 0.054 χ^2 /NDF: 1314891.2/18

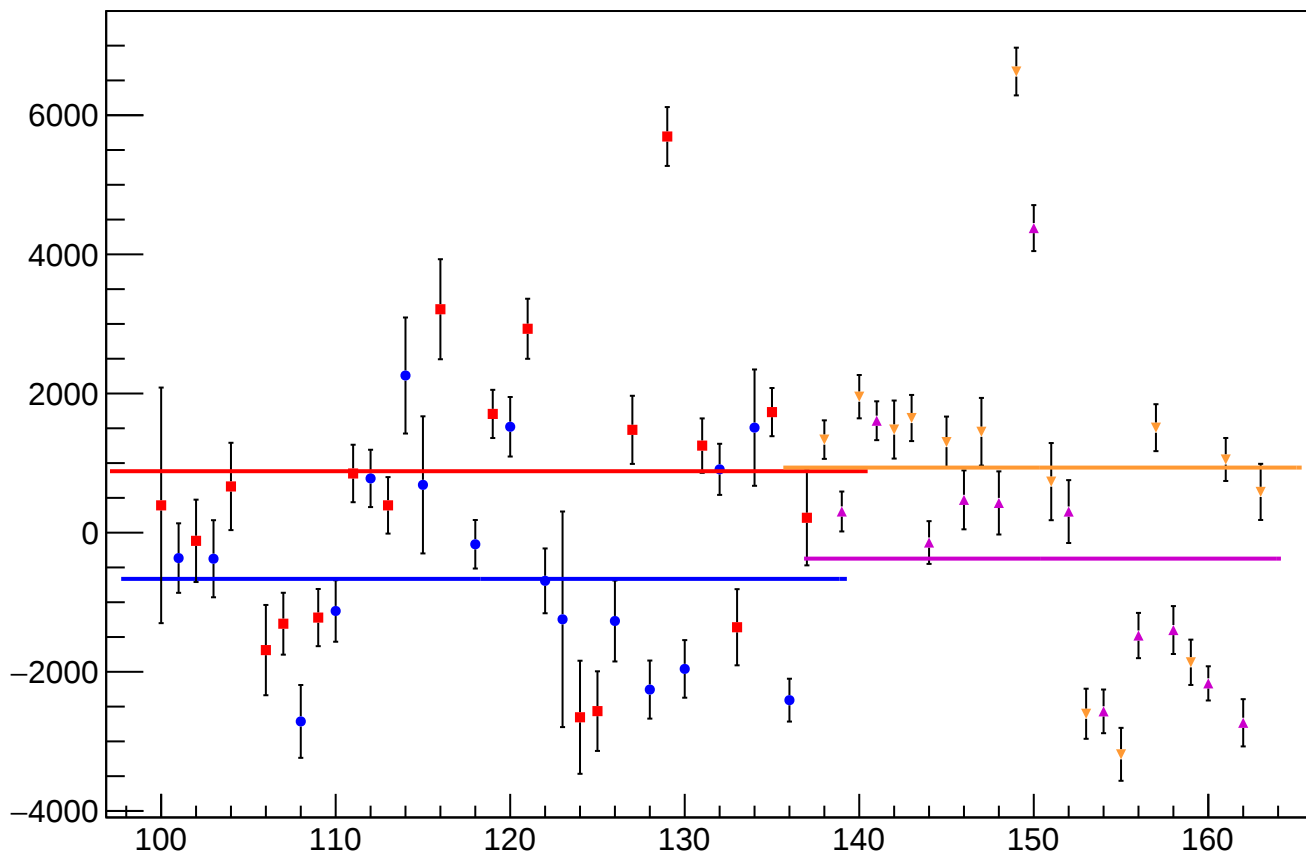
Left In: 190.648 $\pm$ 0.045 χ^2 /NDF: 768950.2/11

+ sign 210.668 $\pm$ 0.037 χ^2 /NDF: 1773062.2/30

All: 199.450 $\pm$ 0.025 χ^2 /NDF: 4023896.9/61

- sign 189.887 $\pm$ 0.035 χ^2 /NDF: 2084520.5/30

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 $\chi^2/\text{NDF}: 154.3/16$

Left Out: 935.325 ± 94.885 $\chi^2/\text{NDF}: 588.6/13$

Right Out: 883.255 ± 110.875 $\chi^2/\text{NDF}: 320.1/18$

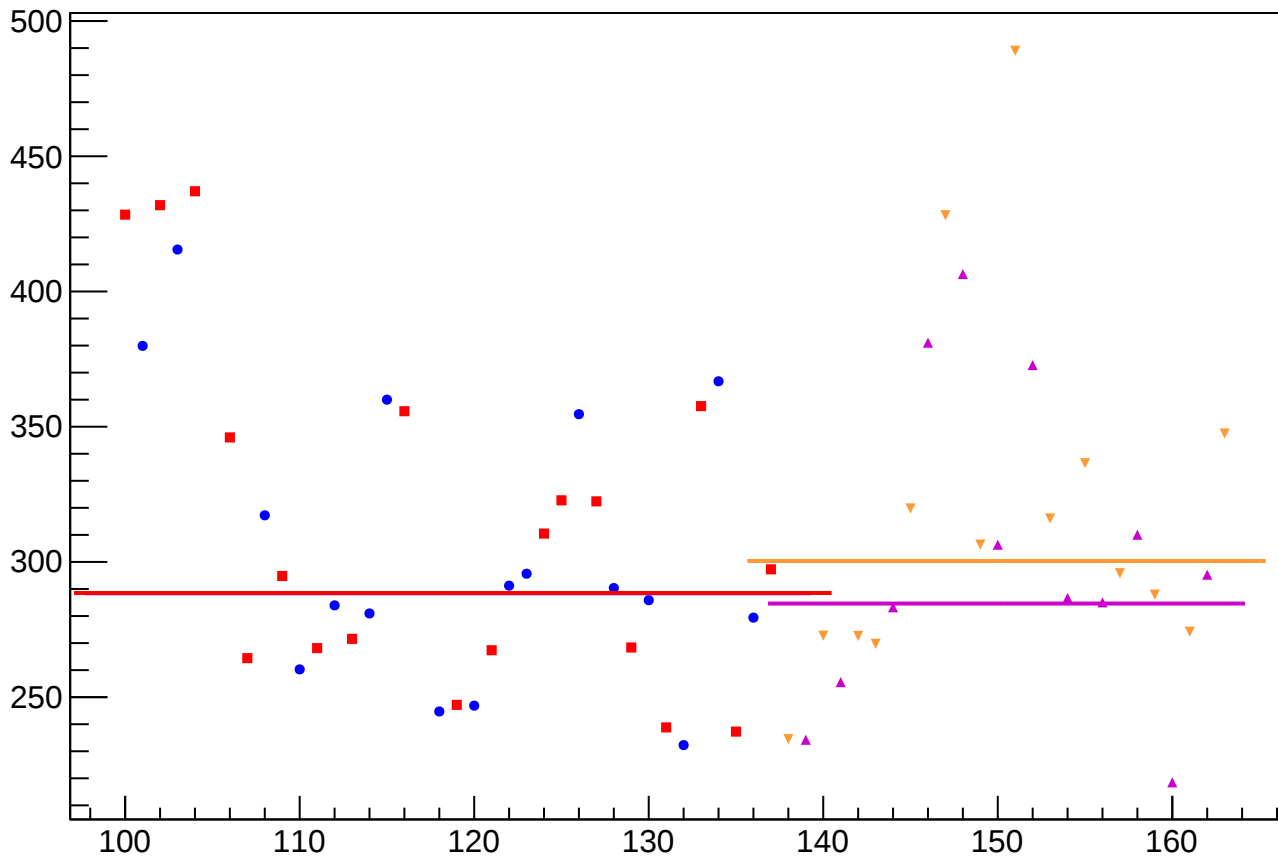
Left In: -373.151 ± 93.937 $\chi^2/\text{NDF}: 443.4/11$

+ sign 280.294 ± 72.915 $\chi^2/\text{NDF}: 859.3/30$

All: 214.969 ± 51.114 $\chi^2/\text{NDF}: 1699.0/61$

- sign 151.853 ± 71.672 $\chi^2/\text{NDF}: 838.2/30$

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 $\pm$ 0.081 χ^2 /NDF: 339820.0/16

Left Out: 300.343 $\pm$ 0.067 χ^2 /NDF: 597450.1/13

Right Out: 288.522 $\pm$ 0.078 χ^2 /NDF: 455410.1/18

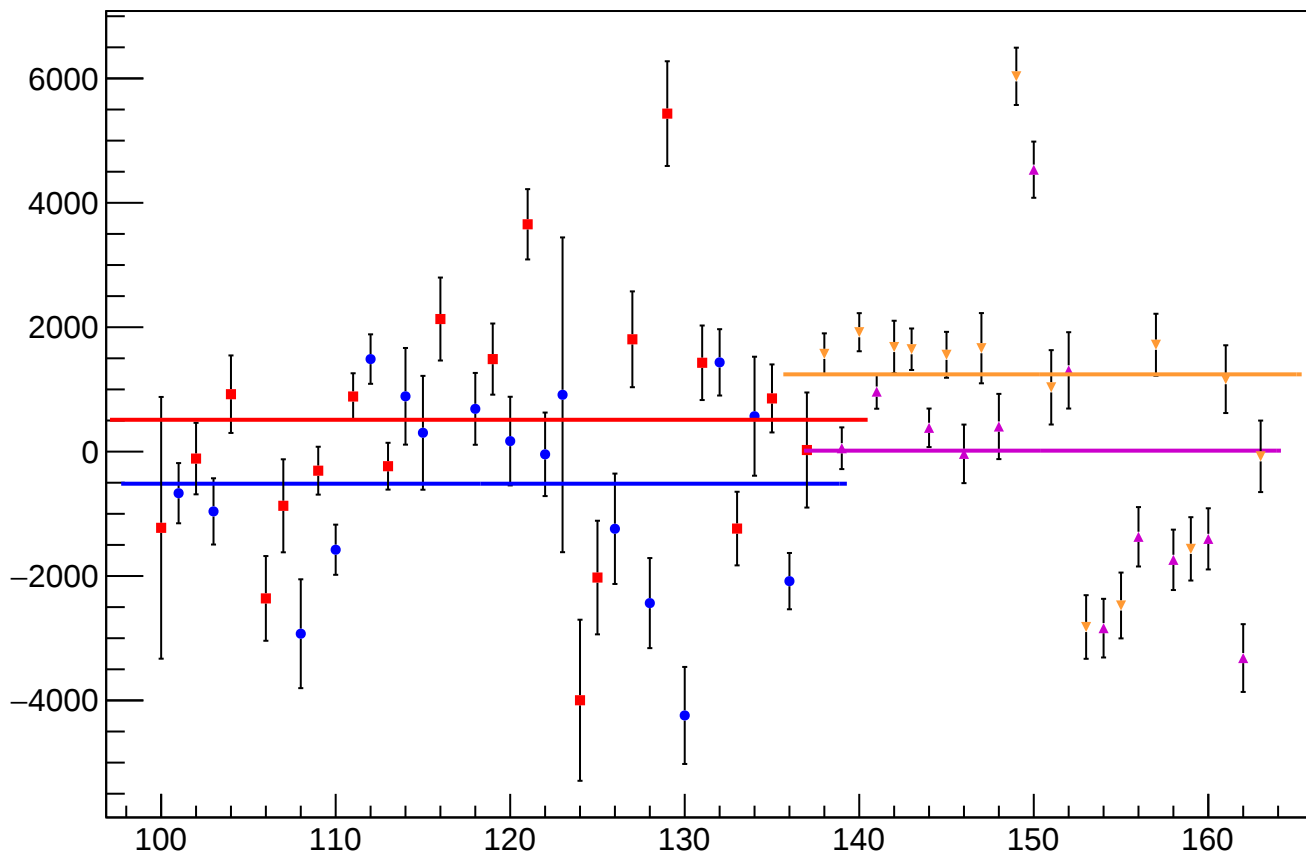
Left In: 284.616 $\pm$ 0.066 χ^2 /NDF: 573726.3/11

+ sign 295.464 $\pm$ 0.052 χ^2 /NDF: 950183.3/30

All: 290.777 $\pm$ 0.036 χ^2 /NDF: 1997014.2/61

- sign 286.248 $\pm$ 0.051 χ^2 /NDF: 1030581.2/30

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 $\chi^2/\text{NDF}: 108.0/16$

Left Out: 1242.333 ± 116.173 $\chi^2/\text{NDF}: 267.0/13$

Right Out: 511.851 ± 135.798 $\chi^2/\text{NDF}: 141.3/18$

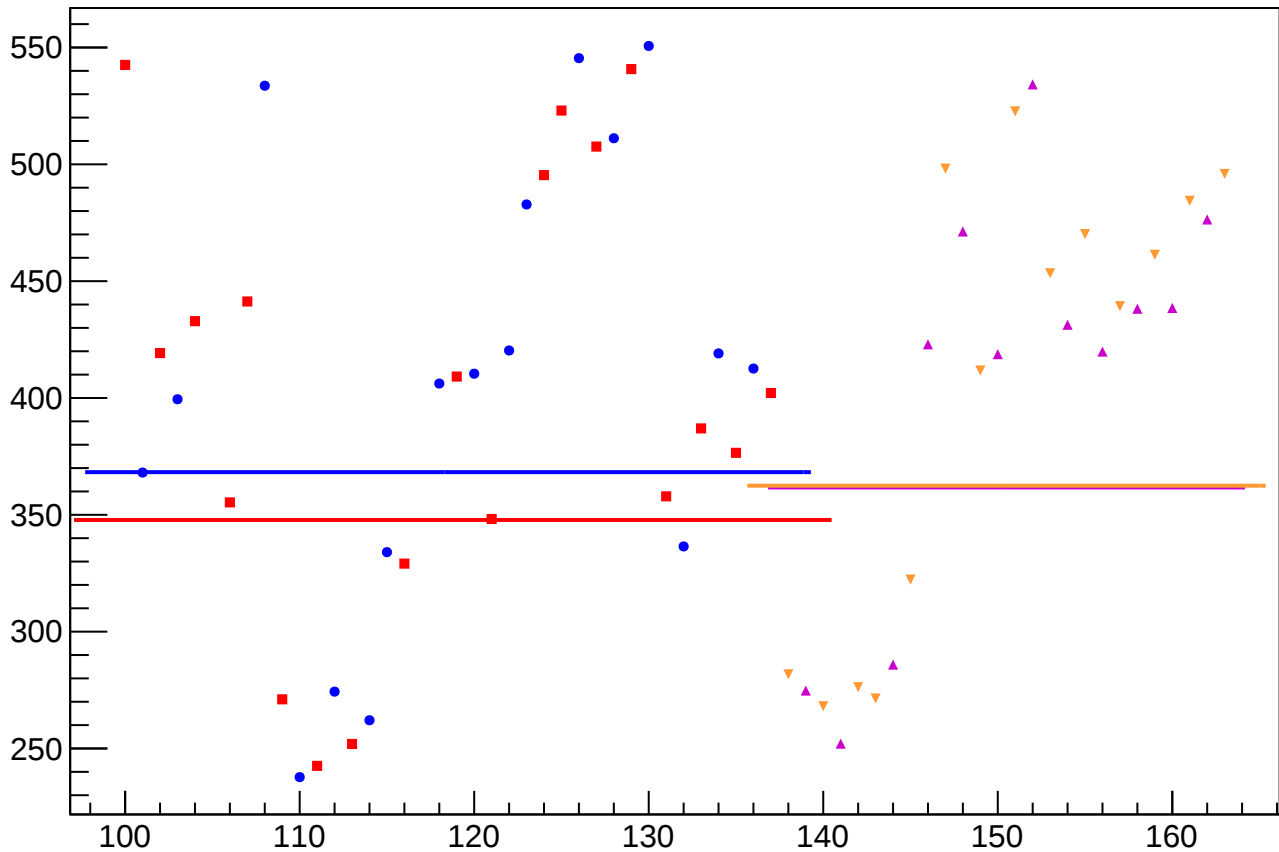
Left In: 15.510 ± 120.509 $\chi^2/\text{NDF}: 222.2/11$

+ sign 568.228 ± 91.224 $\chi^2/\text{NDF}: 462.8/30$

All: 399.199 ± 64.117 $\chi^2/\text{NDF}: 840.5/61$

- sign 234.178 ± 90.136 $\chi^2/\text{NDF}: 371.0/30$

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 362.467+/-0.082 χ^2/NDF :1324445.3/13

Right Out: 347.802+/-0.096 χ^2/NDF : 821862.5/18

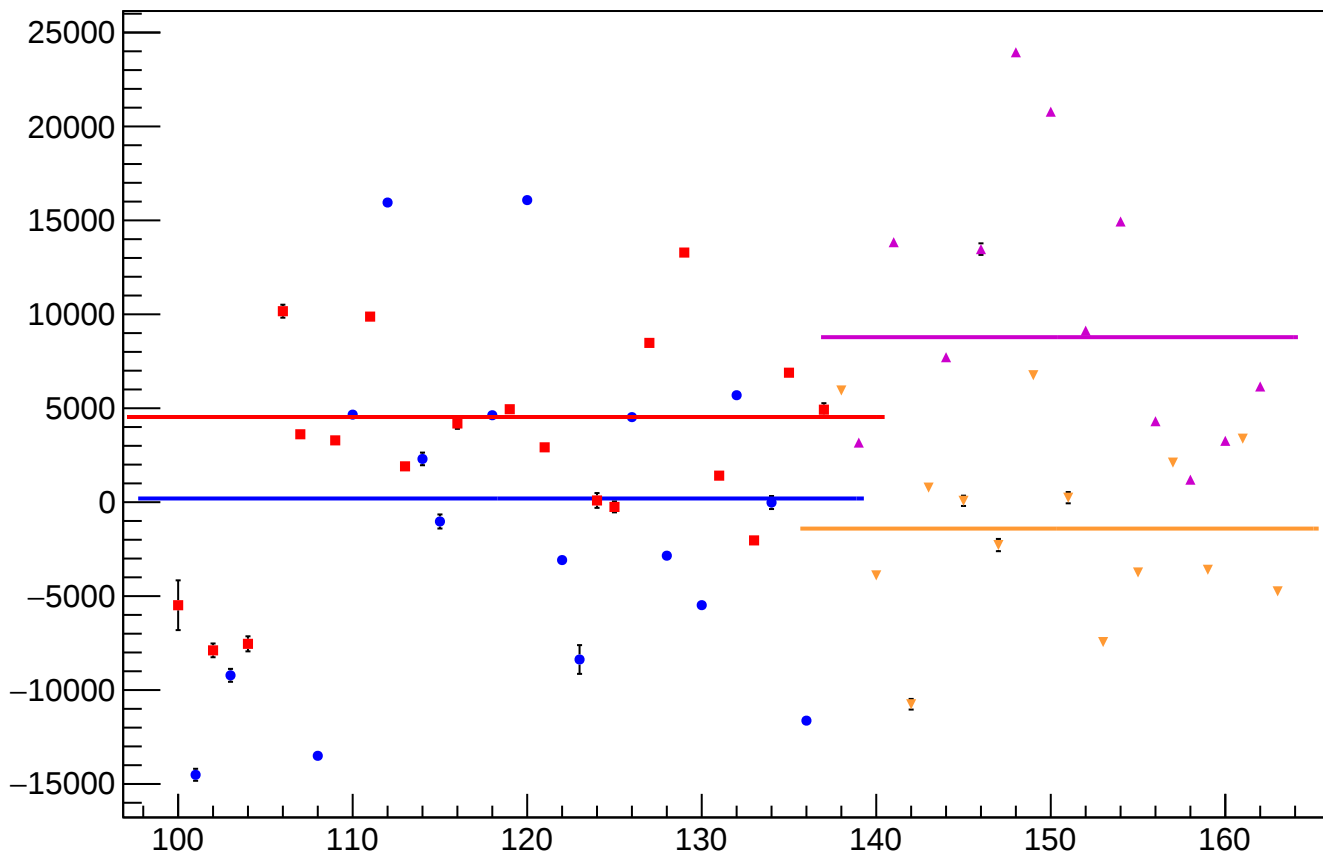
Left In: 361.700+/-0.085 χ^2/NDF :1143097.8/11

+ sign 364.690+/-0.065 χ^2/NDF : 2096471.1/30

All: 360.079+/-0.045 χ^2/NDF : 4083248.9/61

- sign 355.577+/-0.064 χ^2/NDF : 1976679.2/30

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -1405.497+/-53.485 χ^2/NDF : 7572.5/13

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

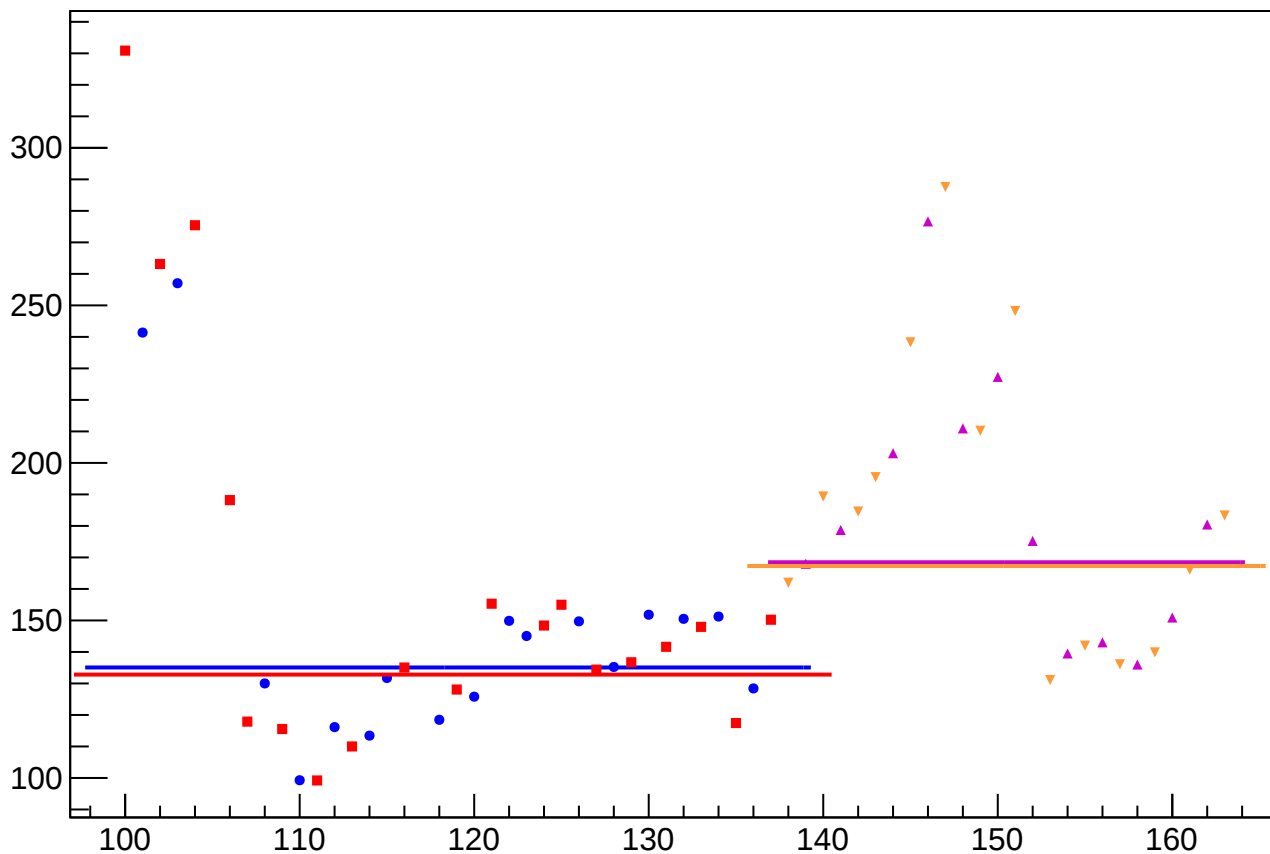
Left In: 8783.759+/-56.371 χ^2/NDF : 14007.7/11

+ sign -623.678+/-38.276 χ^2/NDF : 38668.8/30

All: 2929.500+/-27.110 χ^2/NDF : 80492.3/61

- sign 6506.519+/-38.404 χ^2/NDF : 24530.3/30

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 167.280 $\pm$ 0.038 χ^2 /NDF:1000747.6/13

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

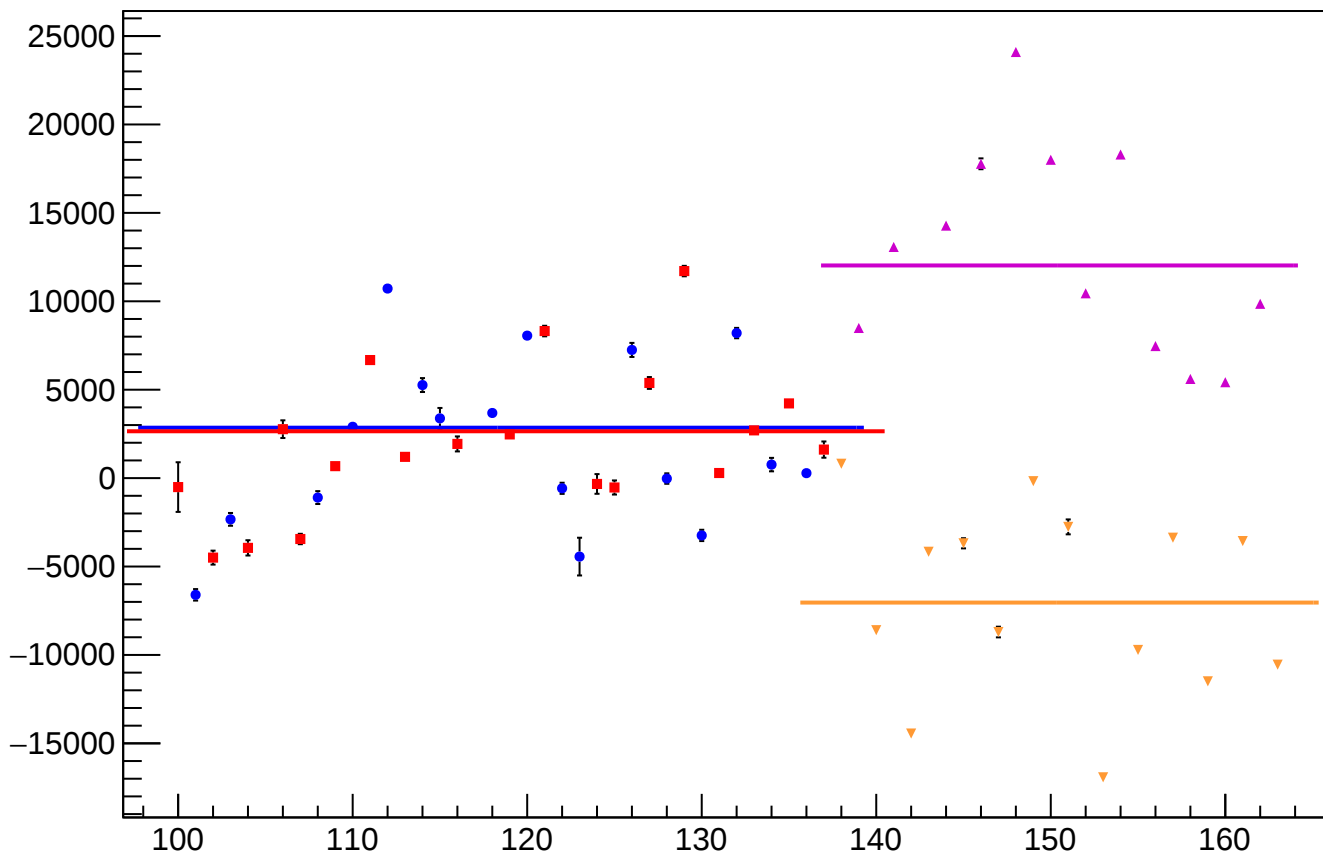
Left In: 168.469 $\pm$ 0.040 χ^2 /NDF:720135.1/11

+ sign 151.566 $\pm$ 0.027 χ^2 /NDF: 2013286.1/30

All: 150.469 $\pm$ 0.019 χ^2 /NDF: 3996619.3/61

- sign 149.363 $\pm$ 0.027 χ^2 /NDF: 1980031.2/30

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -7038.282+/-61.599 χ^2/NDF : 7653.4/13

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

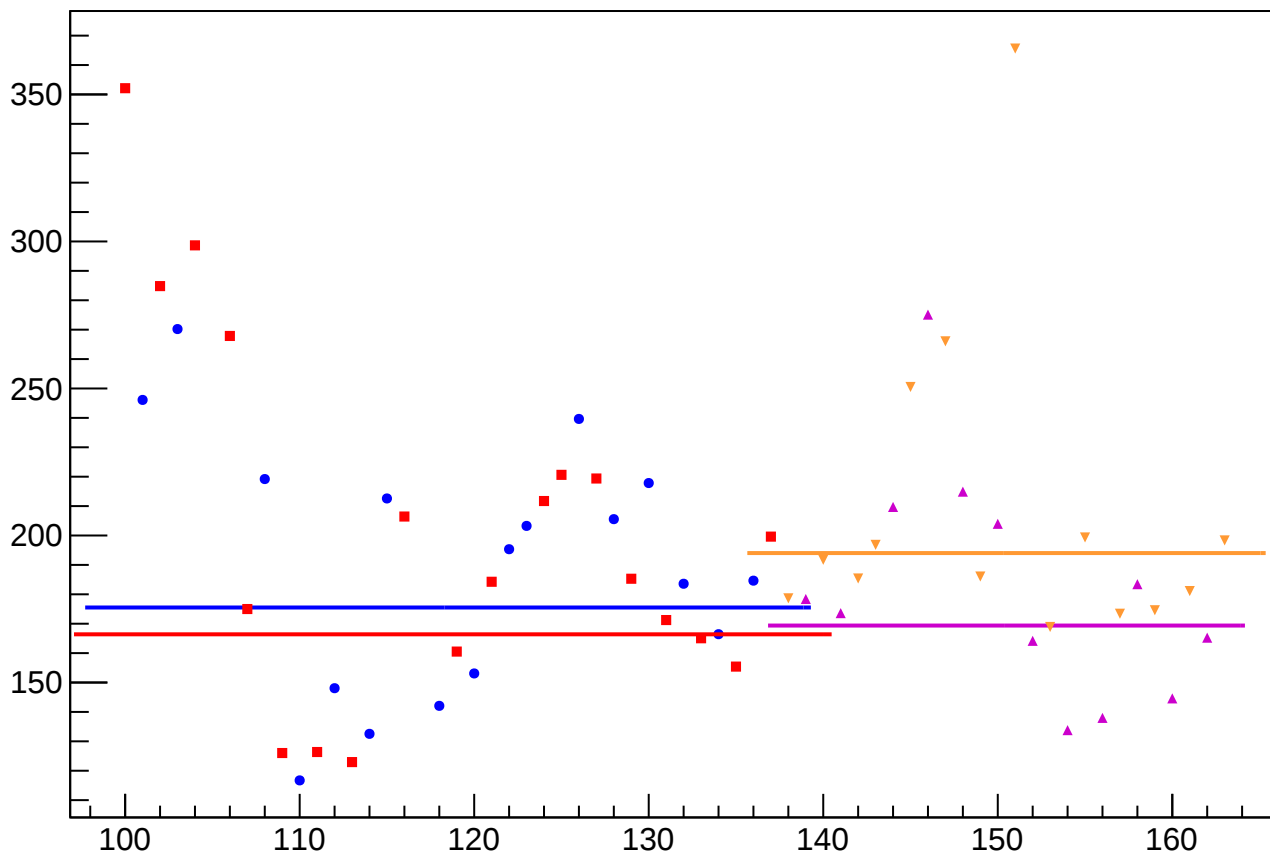
Left In: 12026.439+/-56.755 χ^2/NDF : 9355.8/11

+ sign -2774.208+/-46.459 χ^2/NDF : 22945.4/30

All: 3045.571+/-31.541 χ^2/NDF : 76244.6/61

- sign 8021.262+/-42.958 χ^2/NDF : 24191.1/30

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 194.027 $\pm$ 0.044 χ^2 /NDF: 620297.7/13

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

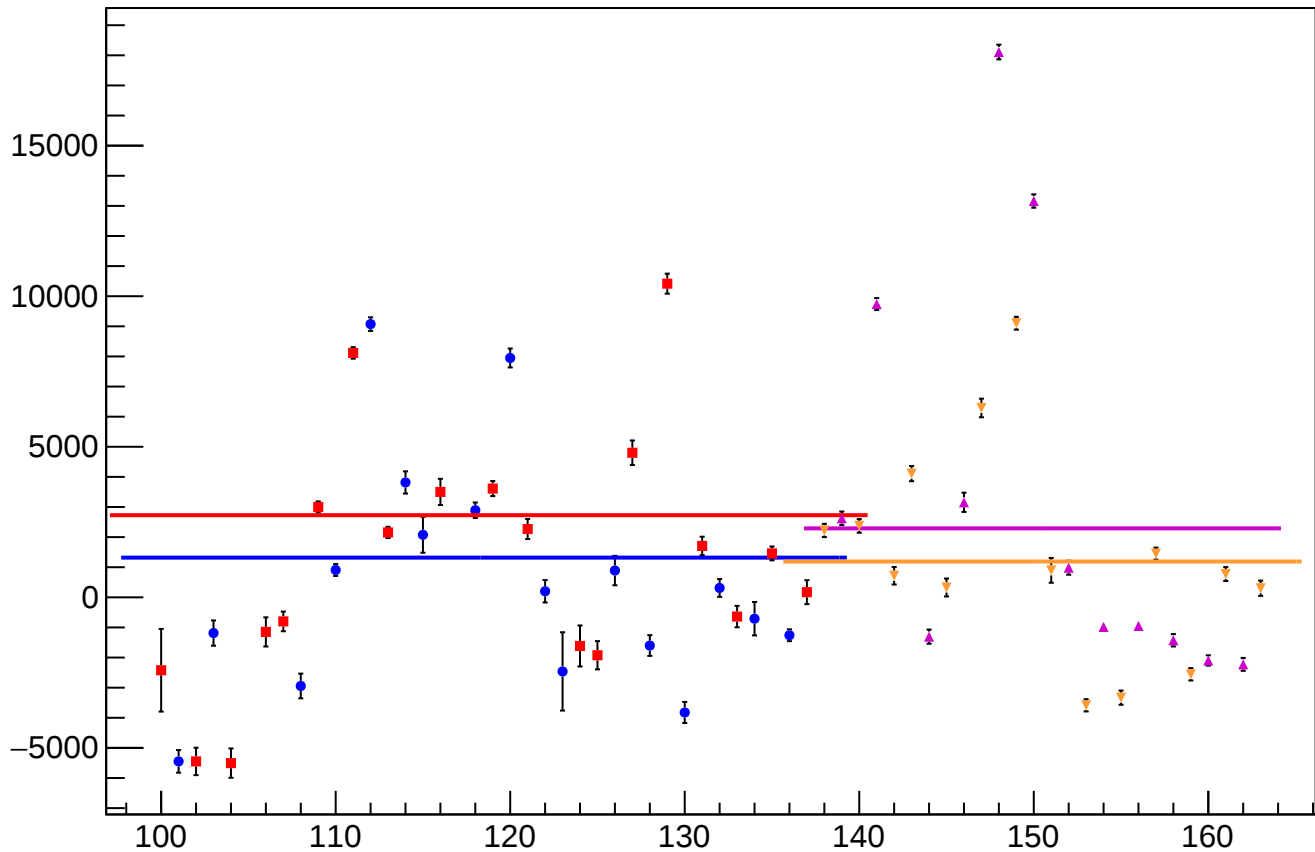
Left In: 169.375 $\pm$ 0.040 χ^2 /NDF: 675357.8/11

+ sign 186.045 $\pm$ 0.033 χ^2 /NDF: 1387829.5/30

All: 176.372 $\pm$ 0.022 χ^2 /NDF: 3155917.3/61

- sign 168.101 $\pm$ 0.030 χ^2 /NDF: 1607251.1/30

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1190.162+/-64.203 χ^2/NDF : 3116.6/13

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

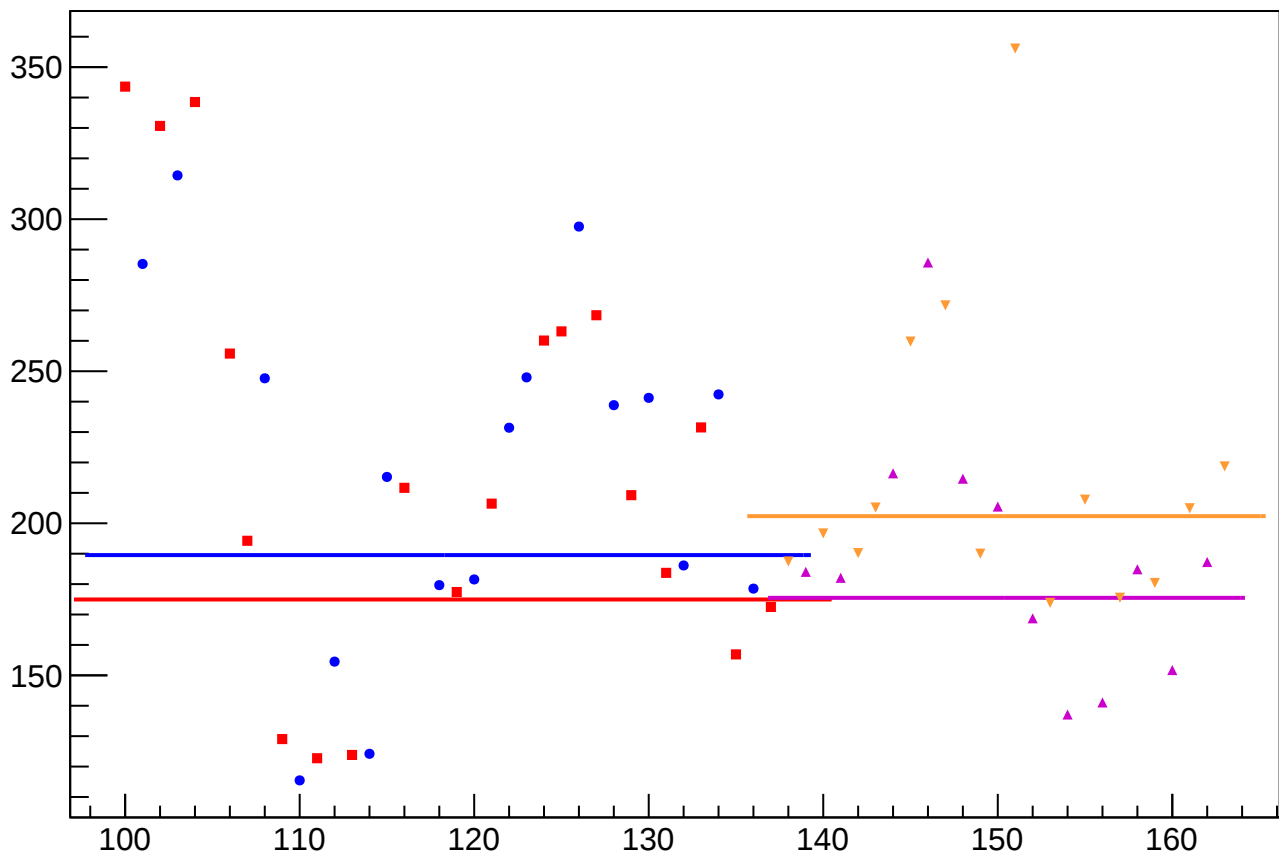
Left In: 2290.621+/-58.822 χ^2/NDF : 10568.5/11

+ sign 1242.886+/-49.349 χ^2/NDF : 5785.3/30

All: 1913.135+/-33.268 χ^2/NDF : 19210.7/61

- sign 2471.468+/-45.041 χ^2/NDF : 13087.3/30

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 202.346 $\pm$ 0.045 χ^2 /NDF: 582333.9/13

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

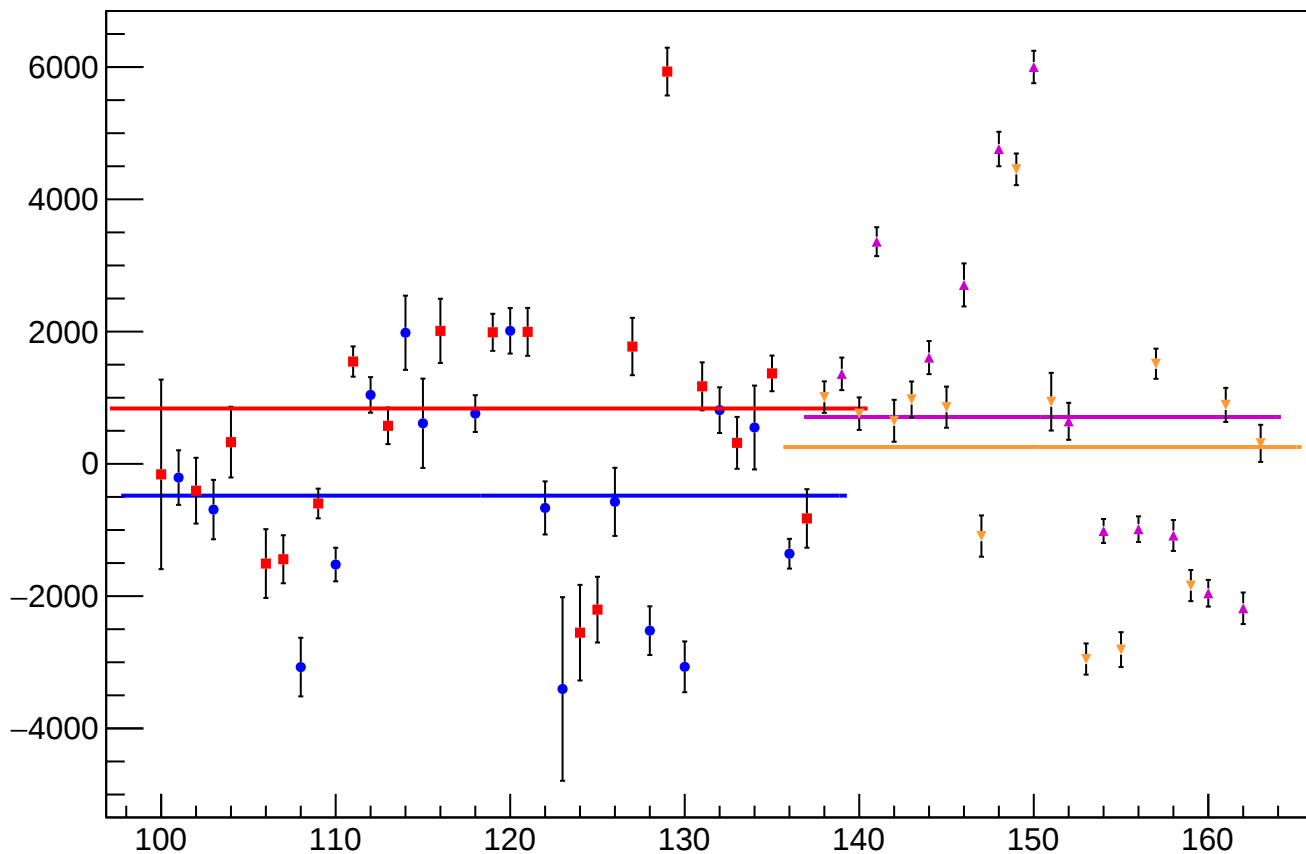
Left In: 175.486 $\pm$ 0.042 χ^2 /NDF: 660090.4/11

+ sign 197.108 $\pm$ 0.035 χ^2 /NDF: 1595614.9/30

All: 185.189 $\pm$ 0.024 χ^2 /NDF: 3766707.2/61

- sign 175.261 $\pm$ 0.032 χ^2 /NDF: 1957267.2/30

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 254.797 ± 71.009 χ^2/NDF : 790.4/13

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

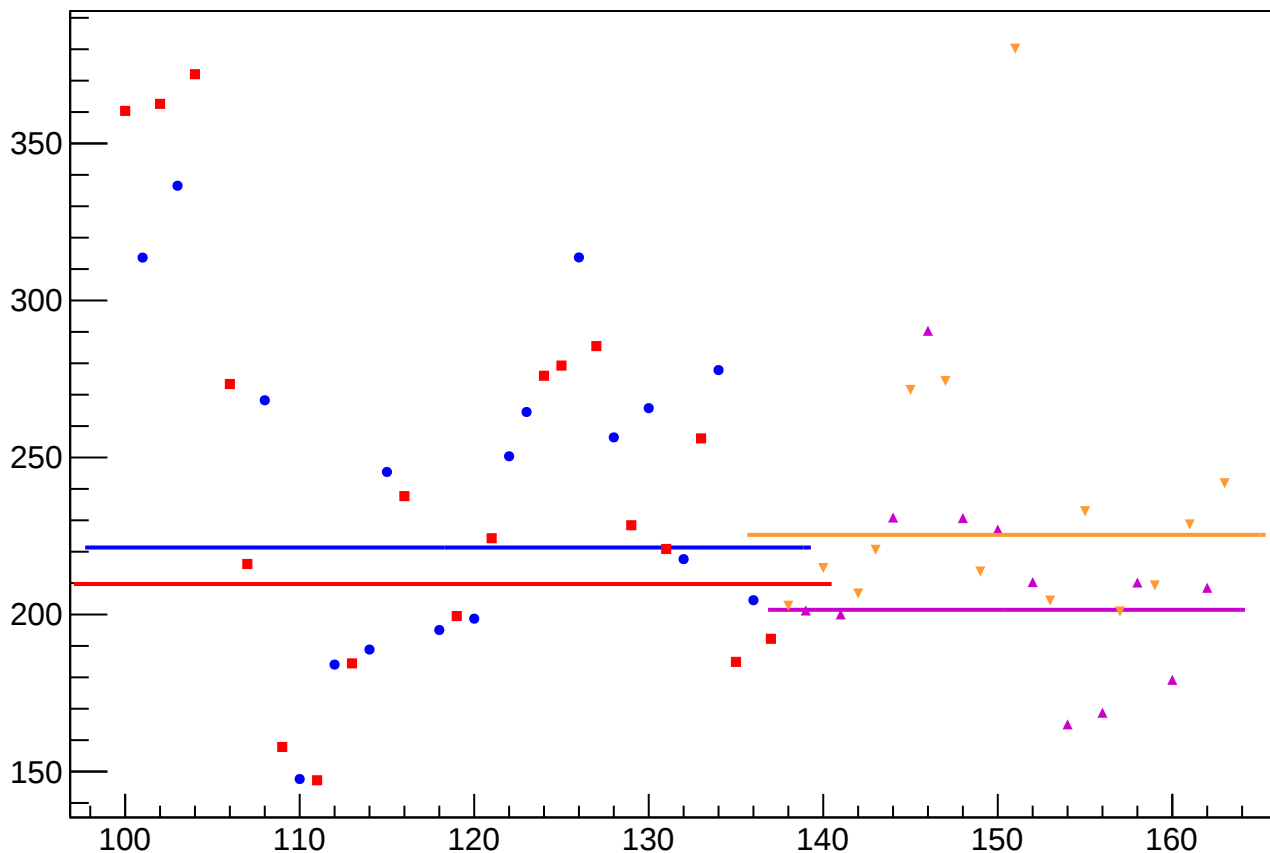
Left In: 708.645 ± 66.748 χ^2/NDF : 1460.5/11

+ sign -32.657 ± 55.419 χ^2/NDF : 1123.0/30

All: 390.081 ± 37.854 χ^2/NDF : 3129.4/61

- sign 759.792 ± 51.827 χ^2/NDF : 1897.3/30

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 225.364 $\pm$ 0.050 χ^2 /NDF: 435866.7/13

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

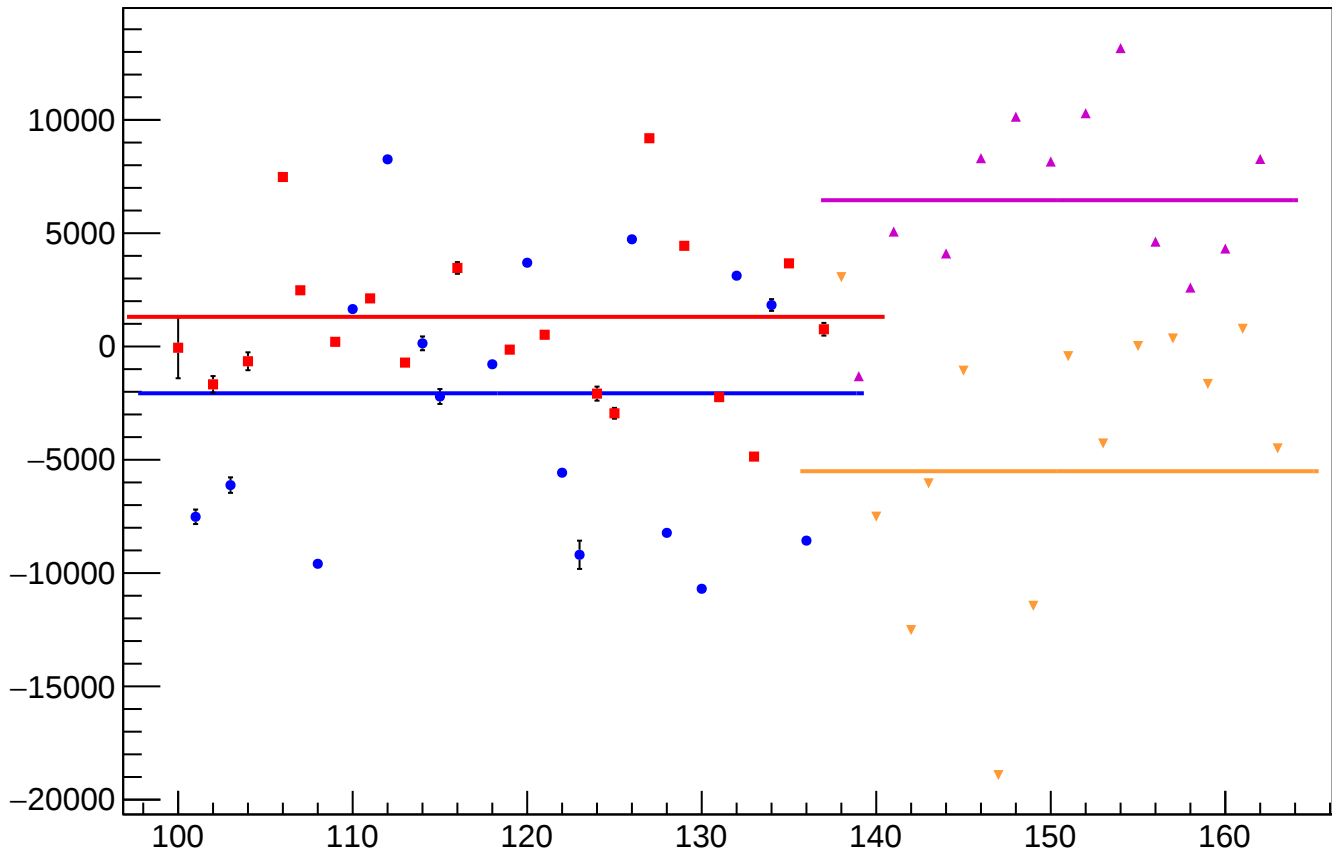
Left In: 201.505 $\pm$ 0.047 χ^2 /NDF: 392594.3/11

+ sign 223.792 $\pm$ 0.039 χ^2 /NDF: 1084063.3/30

All: 213.642 $\pm$ 0.027 χ^2 /NDF: 2498348.4/61

- sign 204.766 $\pm$ 0.037 χ^2 /NDF: 1288532.8/30

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -5504.459 ± 38.476 $\chi^2/\text{NDF}: 28162.0/13$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

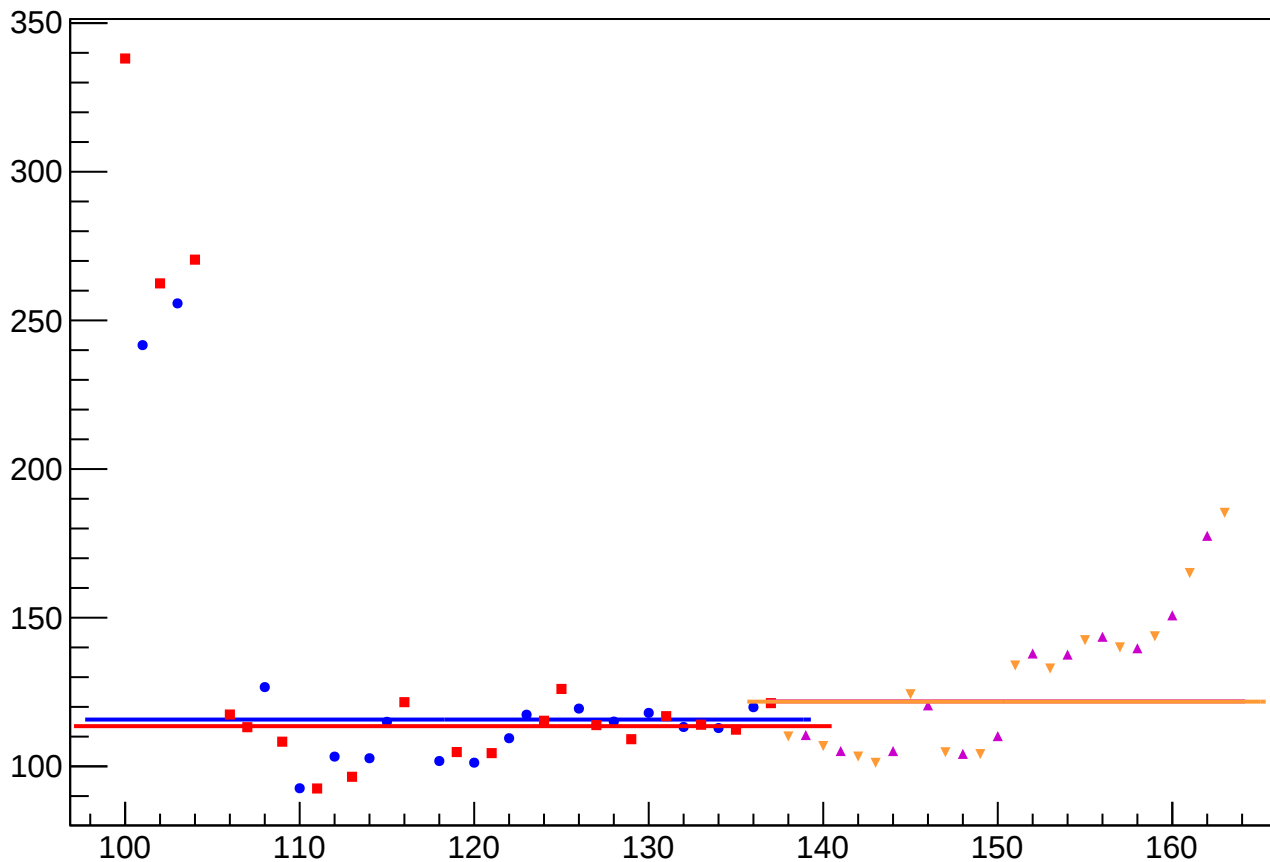
Left In: 6455.789 ± 39.960 $\chi^2/\text{NDF}: 8747.7/11$

+ sign -4135.670 ± 29.854 $\chi^2/\text{NDF}: 47875.2/30$

All: 21.749 ± 21.119 $\chi^2/\text{NDF}: 108653.3/61$

- sign 4186.490 ± 29.880 $\chi^2/\text{NDF}: 21957.2/30$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 $\pm$ 0.033 χ^2 /NDF: 744017.7/16

Left Out: 121.768 $\pm$ 0.027 χ^2 /NDF: 617493.4/13

Right Out: 113.519 $\pm$ 0.032 χ^2 /NDF: 796640.6/18

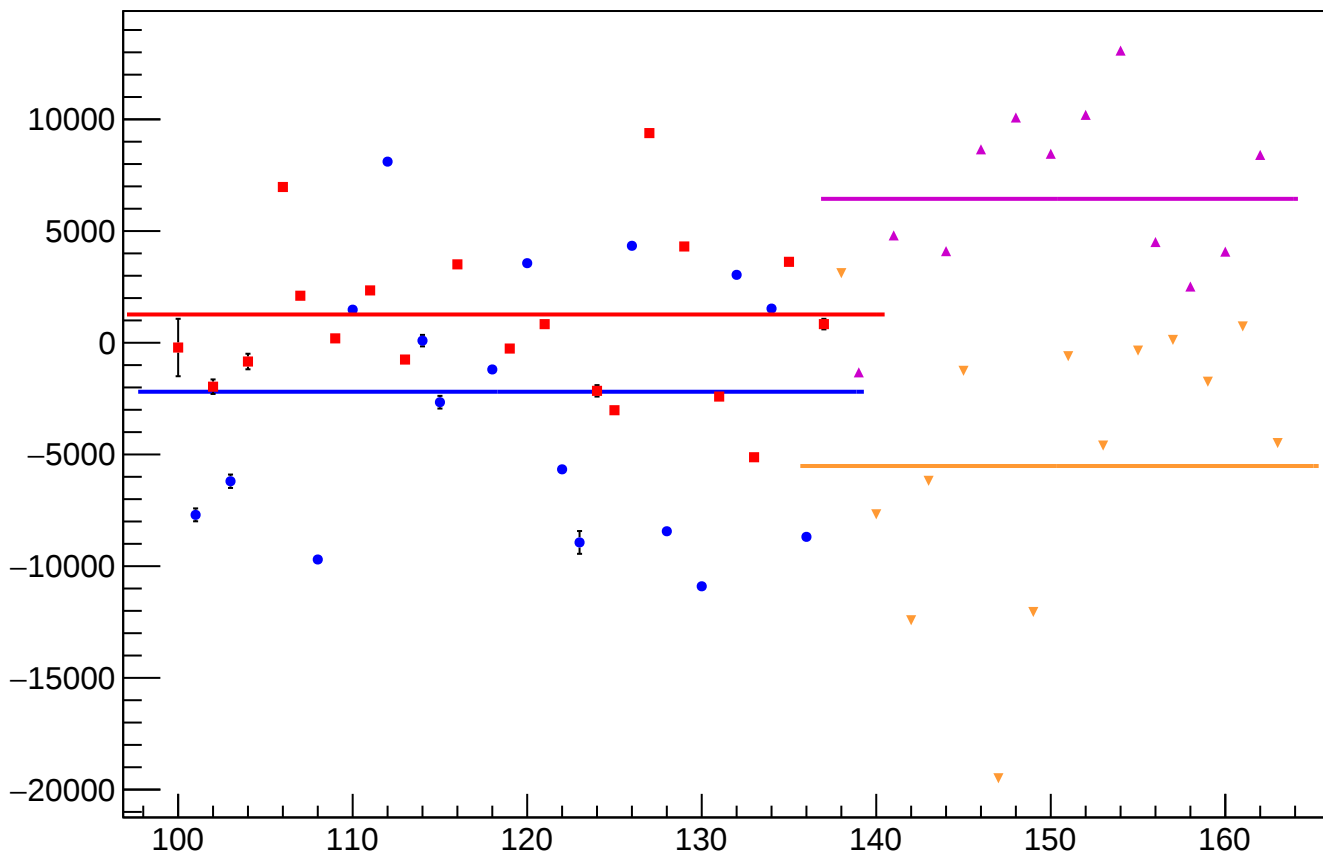
Left In: 121.851 $\pm$ 0.028 χ^2 /NDF: 476586.7/11

+ sign 119.369 $\pm$ 0.021 χ^2 /NDF: 1381044.1/30

All: 118.774 $\pm$ 0.015 χ^2 /NDF: 2694200.4/61

- sign 118.178 $\pm$ 0.021 χ^2 /NDF: 1311565.6/30

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 $\chi^2/\text{NDF}: 22813.5/16$

Left Out: -5516.425 ± 34.815 $\chi^2/\text{NDF}: 34228.5/13$

Right Out: 1266.189 ± 38.048 $\chi^2/\text{NDF}: 8550.5/18$

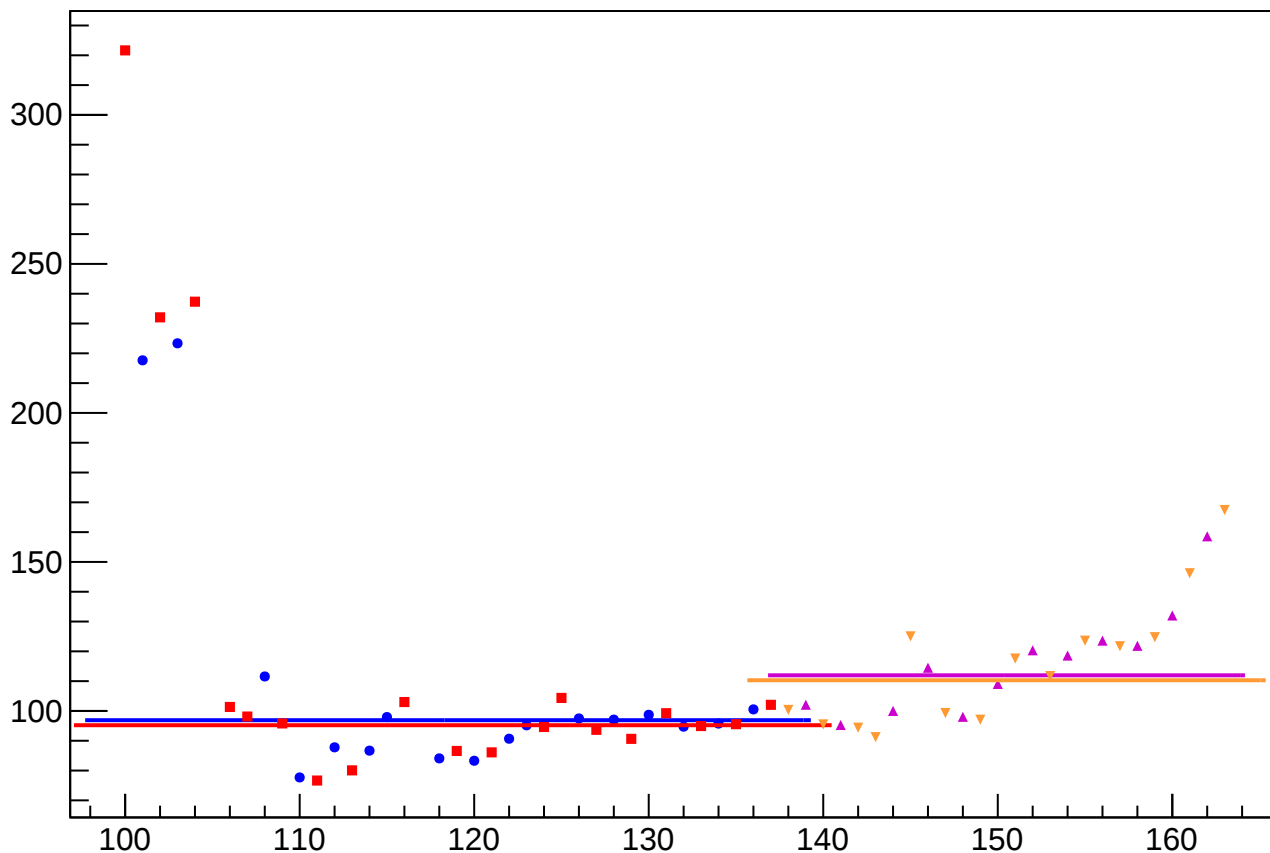
Left In: 6442.066 ± 36.610 $\chi^2/\text{NDF}: 10919.7/11$

+ sign -4081.361 ± 26.245 $\chi^2/\text{NDF}: 60977.6/30$

All: -84.528 ± 18.606 $\chi^2/\text{NDF}: 136680.9/61$

- sign 3953.778 ± 26.381 $\chi^2/\text{NDF}: 29079.2/30$

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 110.295+/-0.025 χ^2/NDF : 526750.1/13

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

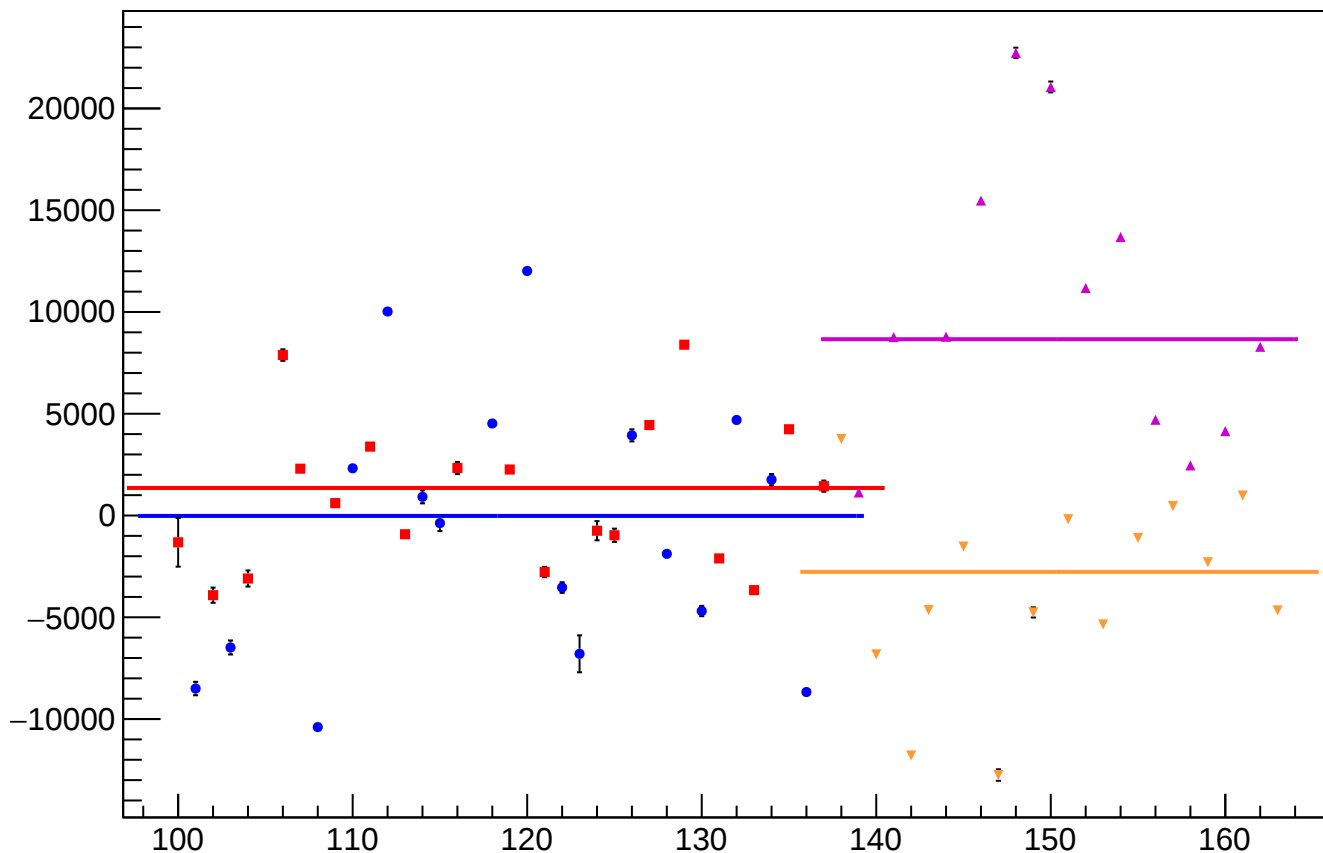
Left In: 111.961+/-0.026 χ^2/NDF : 325691.2/11

+ sign 104.509+/-0.019 χ^2/NDF : 1471901.3/30

All: 104.211+/-0.013 χ^2/NDF : 2859121.2/61

- sign 103.910+/-0.019 χ^2/NDF : 1386700.4/30

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -2769.329 ± 49.289 χ^2/NDF : 6705.8/13

Right Out: 1353.461 ± 52.367 χ^2/NDF : 3837.2/18

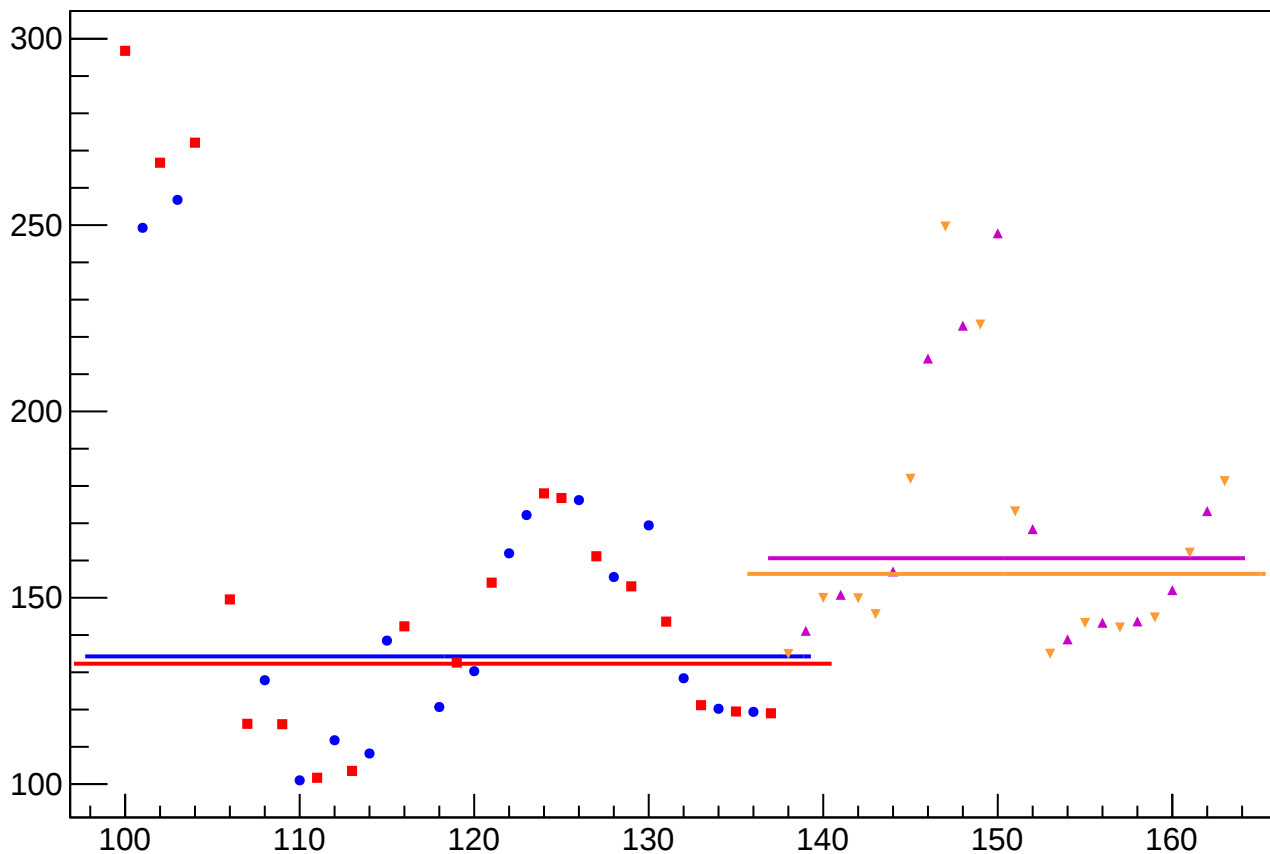
Left In: 8661.897 ± 52.886 χ^2/NDF : 11954.0/11

+ sign -1535.941 ± 36.599 χ^2/NDF : 24462.7/30

All: 1663.942 ± 26.093 χ^2/NDF : 65442.3/61

- sign 4971.651 ± 37.211 χ^2/NDF : 25434.1/30

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 ± 0.039 χ^2/NDF : 788647.0/16

Left Out: 156.407 ± 0.035 χ^2/NDF : 562573.1/13

Right Out: 132.302 ± 0.037 χ^2/NDF : 869892.7/18

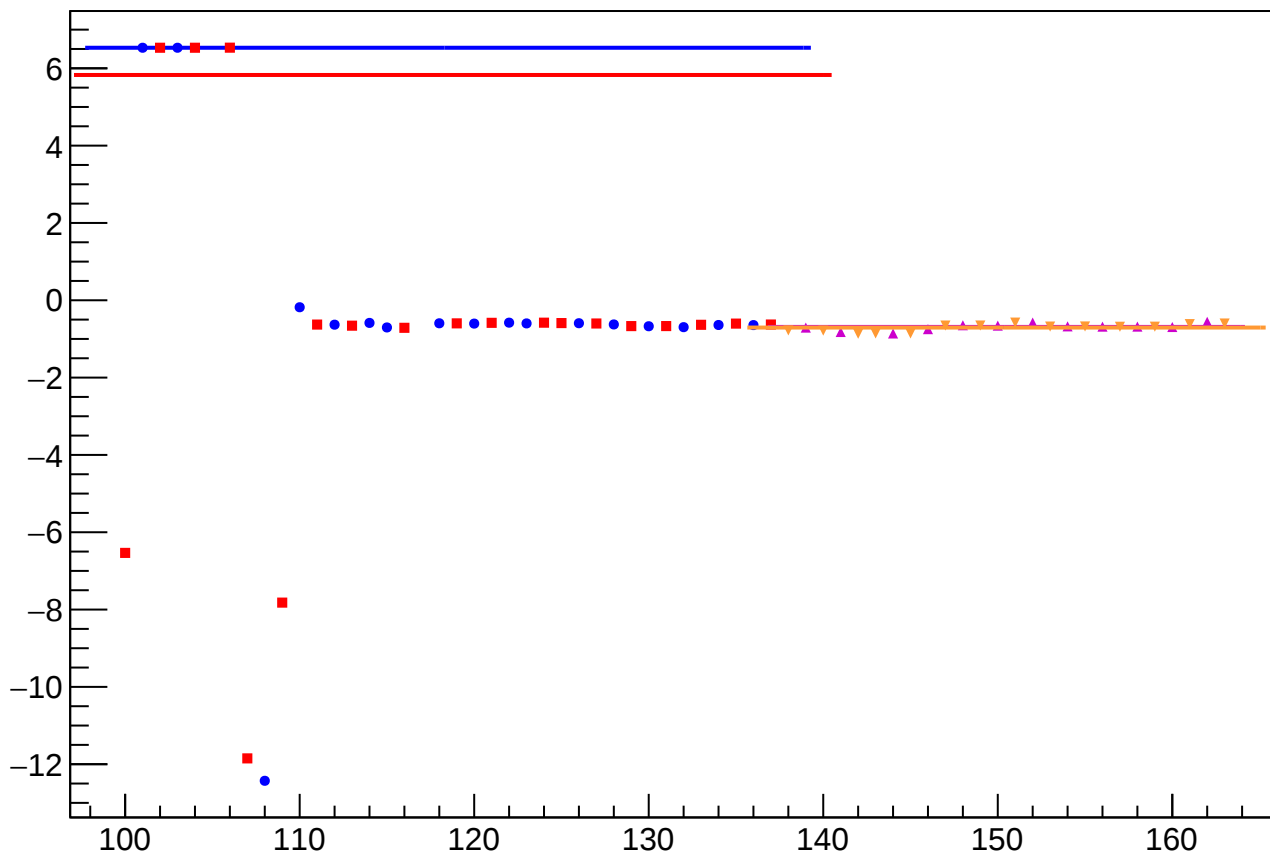
Left In: 160.612 ± 0.037 χ^2/NDF : 570587.0/11

+ sign 146.475 ± 0.026 χ^2/NDF : 1532245.6/30

All: 146.398 ± 0.018 χ^2/NDF : 3262126.0/61

- sign 146.318 ± 0.026 χ^2/NDF : 1729862.3/30

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

Left Out: -0.706 $\pm$ 0.000 χ^2 /NDF: 93995052.8/13

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755948646460090.5/18

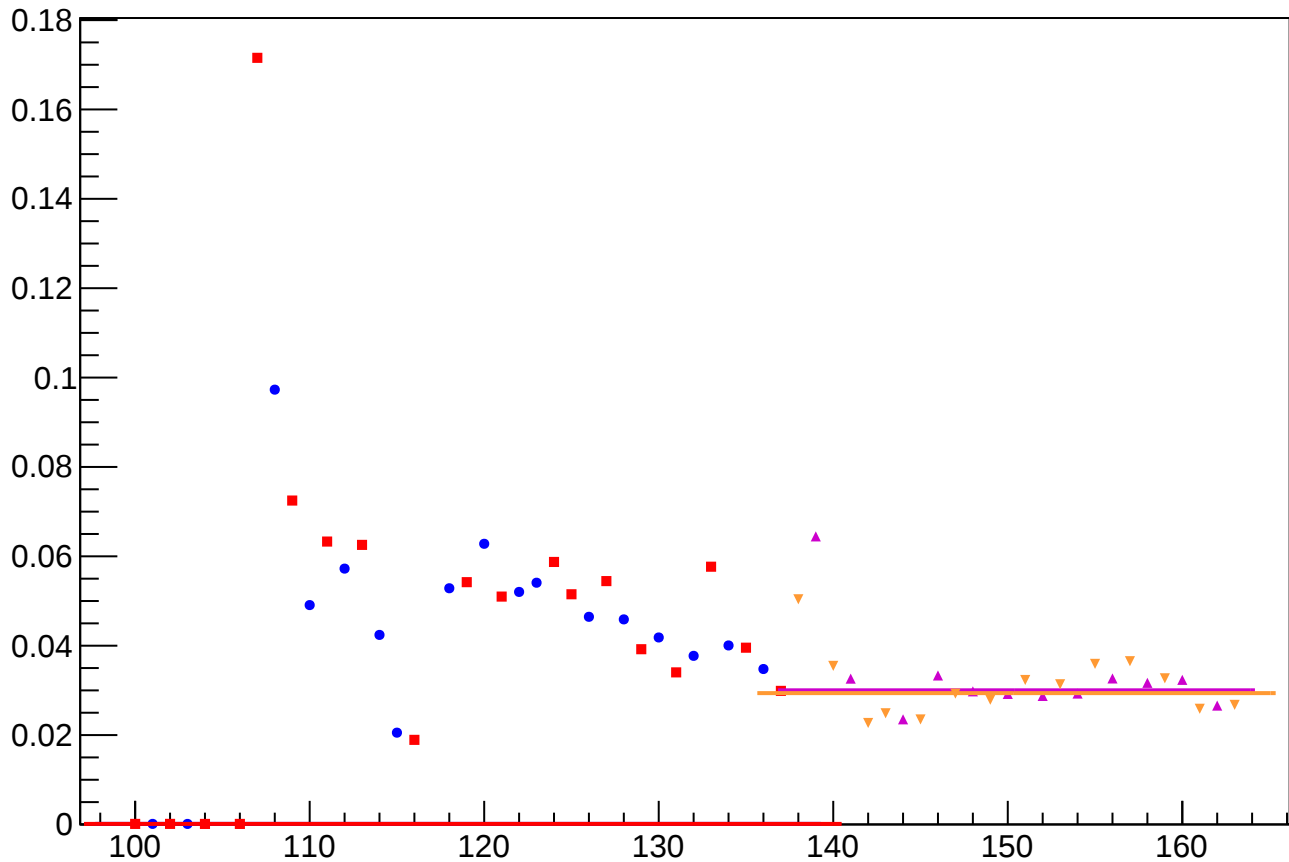
Left In: -0.689 $\pm$ 0.000 χ^2 /NDF: 73304625.6/11

+ sign 6.531 $\pm$ 0.000 χ^2 /NDF: 628997240036.5/30

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 77693225542600

- sign 5.827 $\pm$ 0.000 χ^2 /NDF: 756313265414290.1/18

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.029+/-0.000 χ^2/NDF : 561972.2/13

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

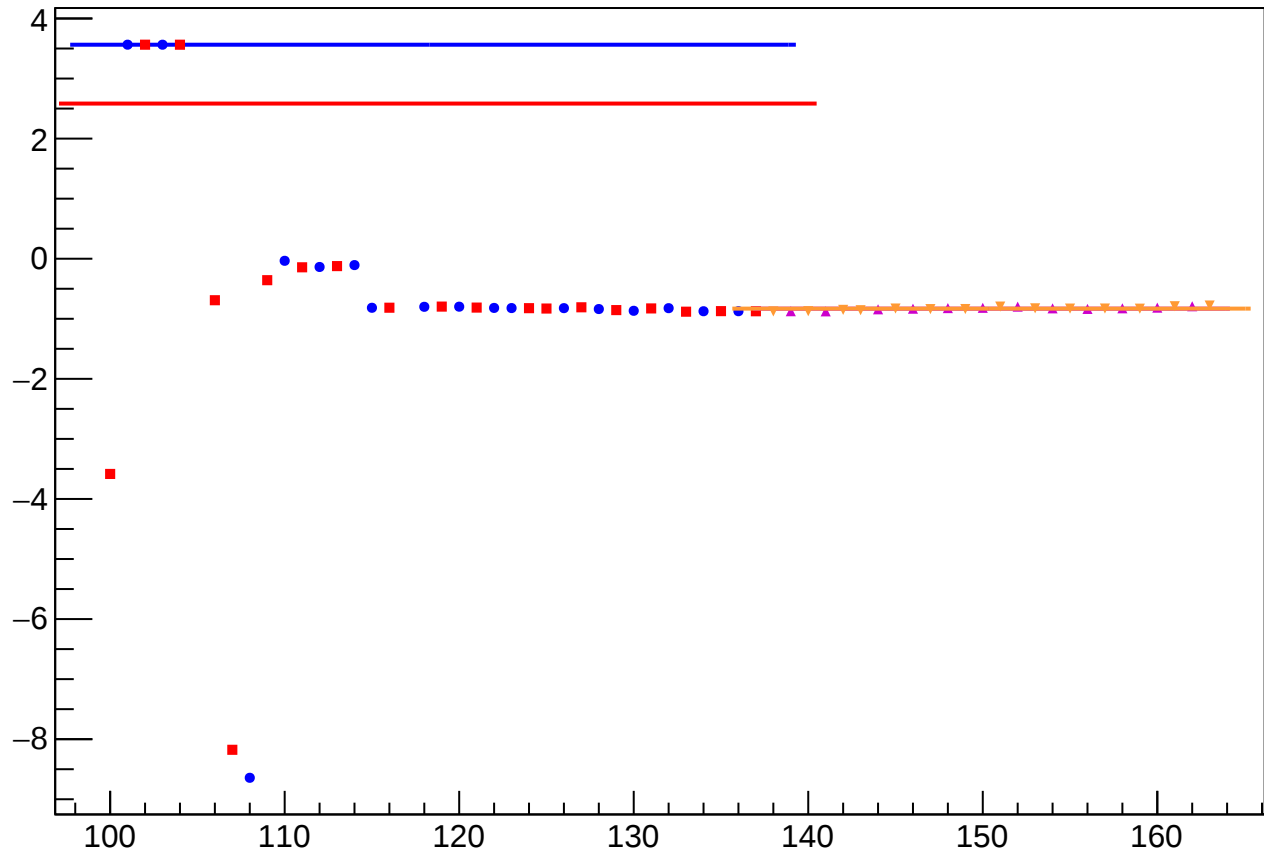
Left In: 0.030+/-0.000 χ^2/NDF : 536711.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 25973631.1/30

All: 0.000+/-0.000 χ^2/NDF : 51224721.4/61

- sign 0.000+/-0.000 χ^2/NDF : 25250580.7/30

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.831+/-0.000 χ^2/NDF : 101547639.3/13

Right Out: 2.583+/-0.000 χ^2/NDF : 1253505323583154.2/18

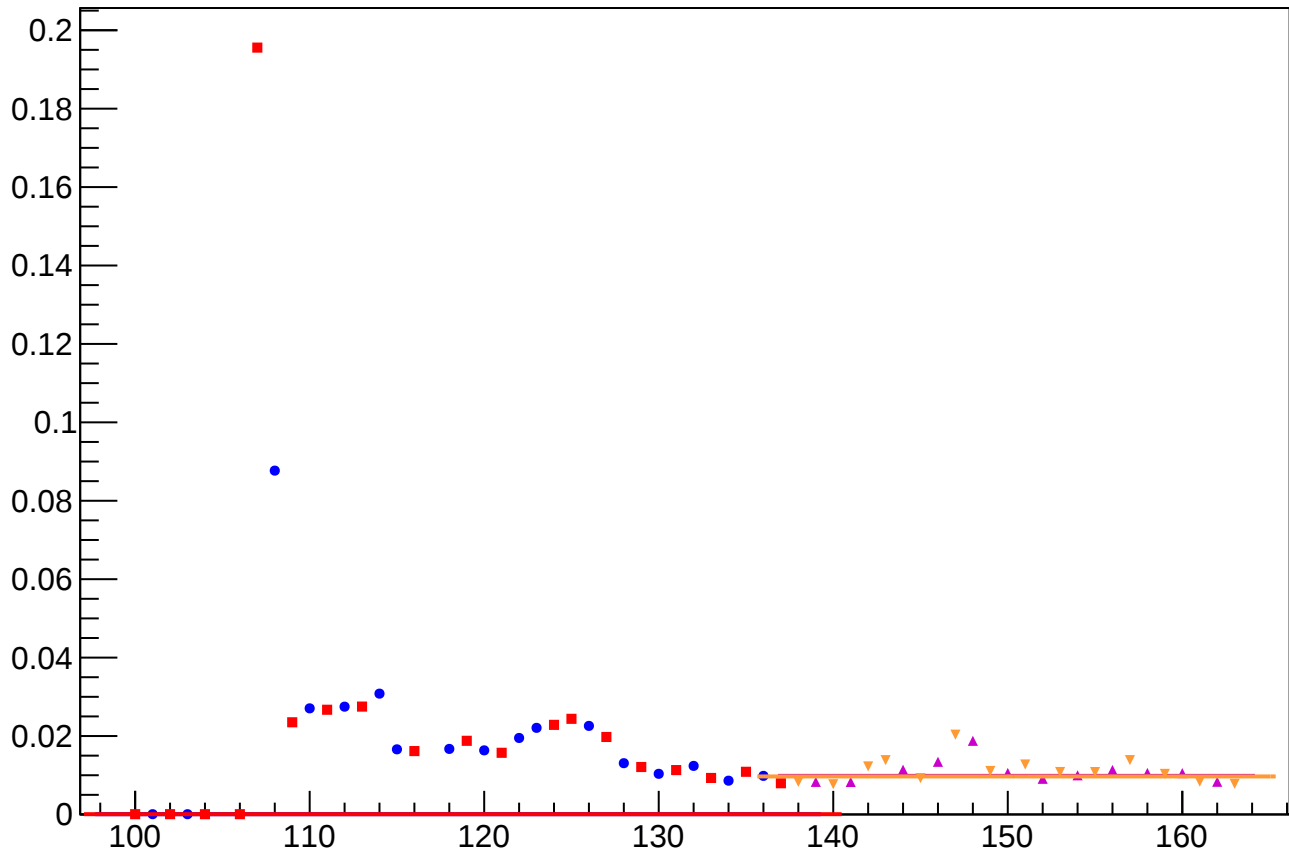
Left In: -0.832+/-0.000 χ^2/NDF : 71665330.7/11

+ sign 3.562+/-0.000 χ^2/NDF : 2131848307390.0/30

All: 3.039+/-0.000 χ^2/NDF : 13846952908050

- sign 2.582+/-0.000 χ^2/NDF : 1254404120311698.0

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.010+/-0.000 χ^2/NDF :965625.8/13

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

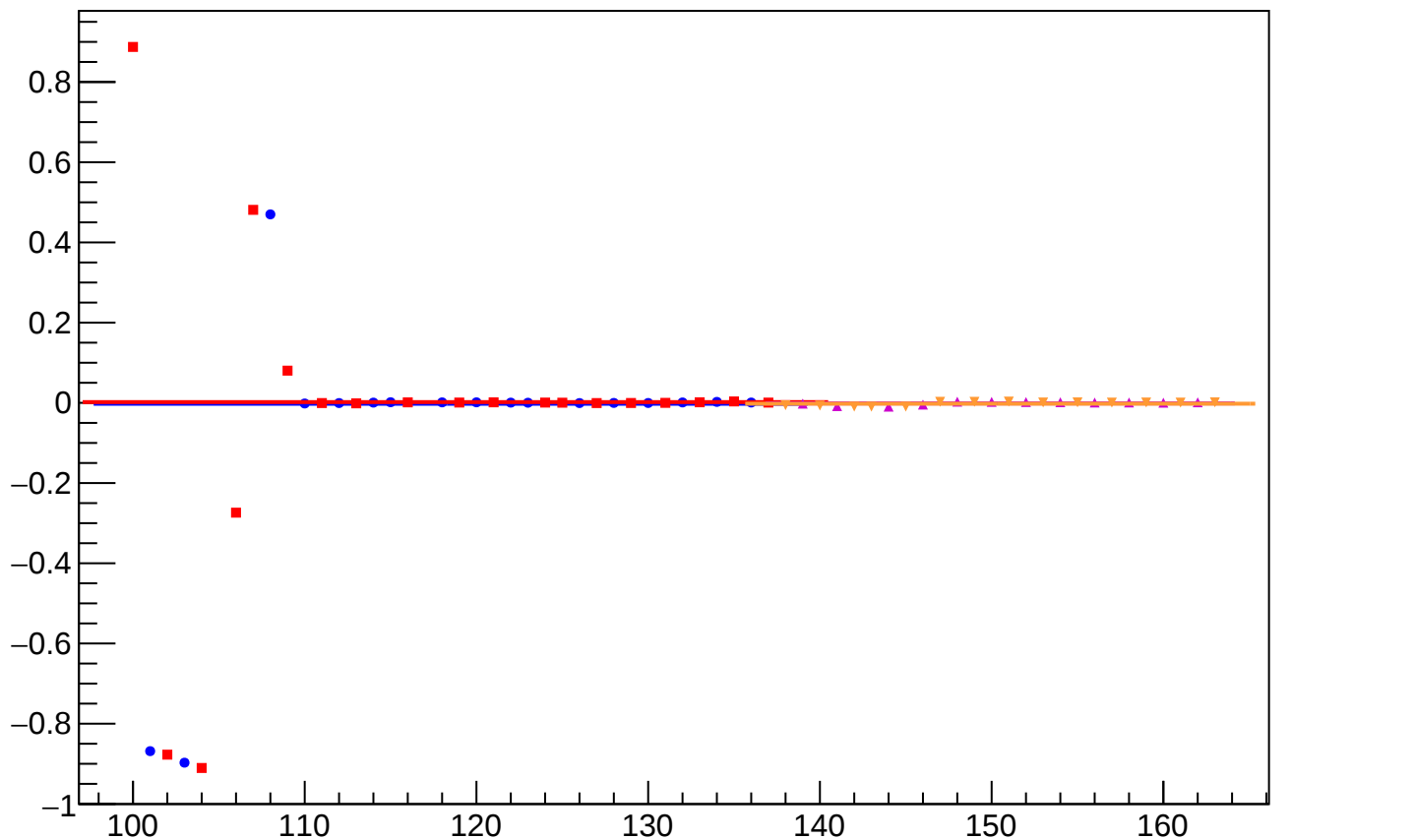
Left In: 0.010+/-0.000 χ^2/NDF :612597.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 26599314.8/30

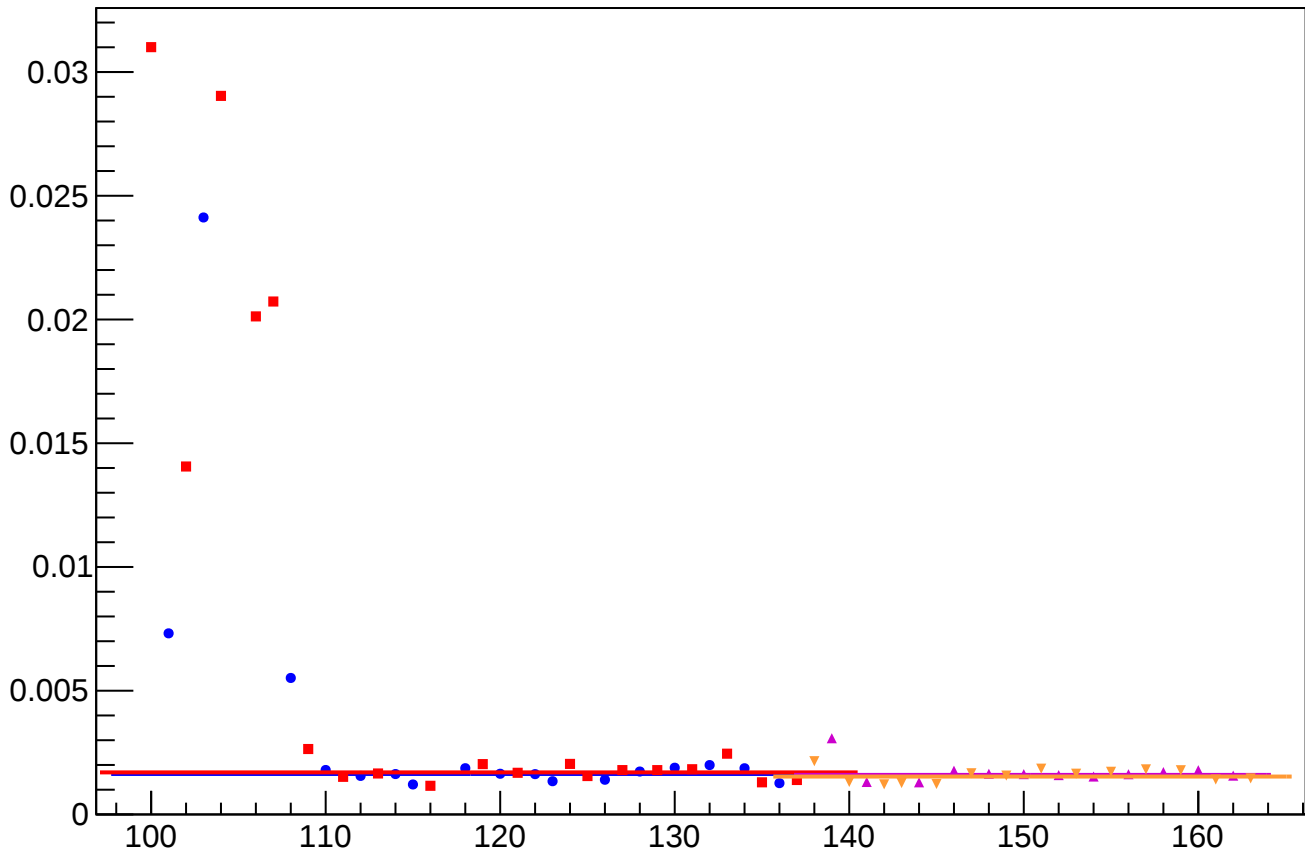
All: 0.000+/-0.000 χ^2/NDF : 51804182.8/61

- sign 0.000+/-0.000 χ^2/NDF : 25204118.6/30

yield_cav4cX_mean vs Slug



yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1919127.9/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:417809.2/13

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

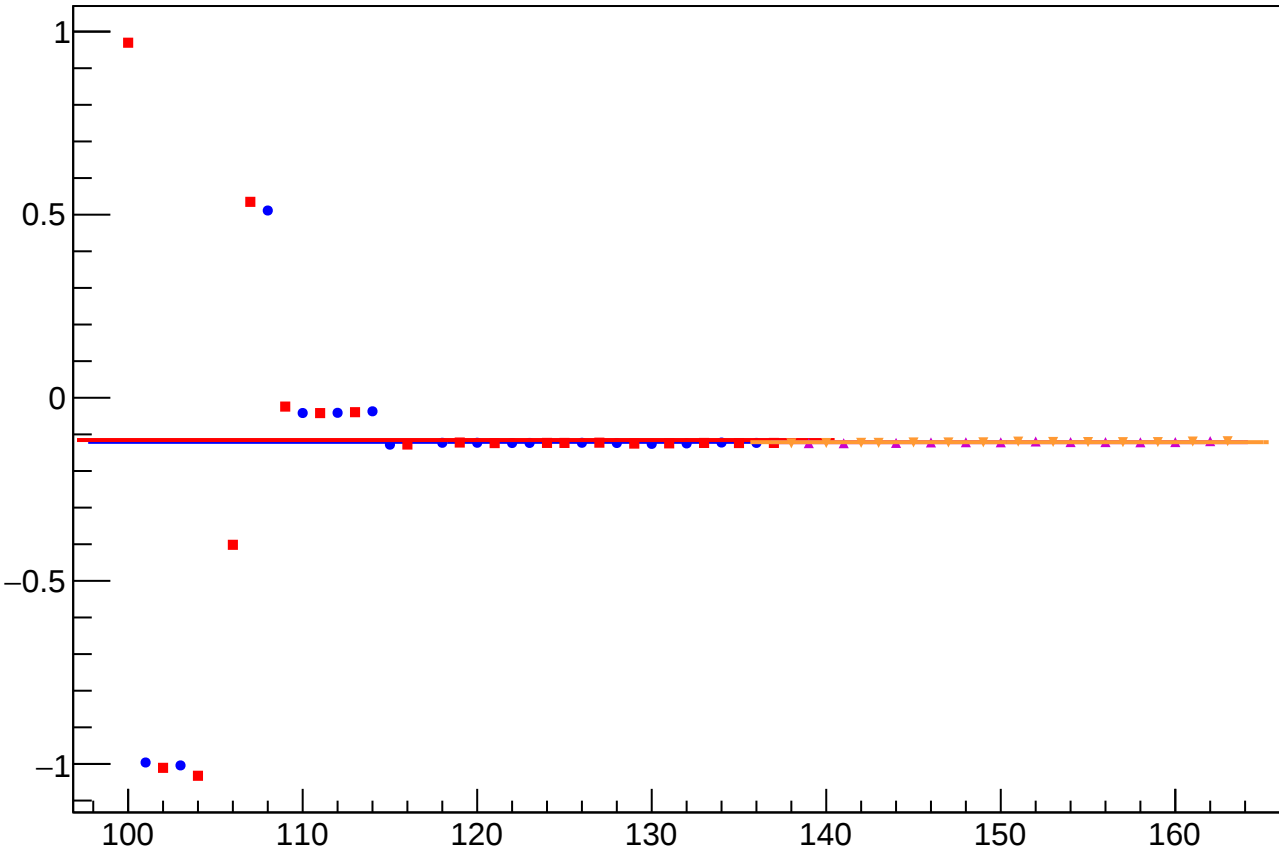
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:472259.7/11

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2361972.9/30

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5902363.1/61

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3518738.1/30

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 393231162.8/16

Left Out: -0.121+/-0.000 χ^2/NDF :20466579.2/13

Right Out: -0.115 ± 0.000 χ^2/NDF : 2457092455.9/18

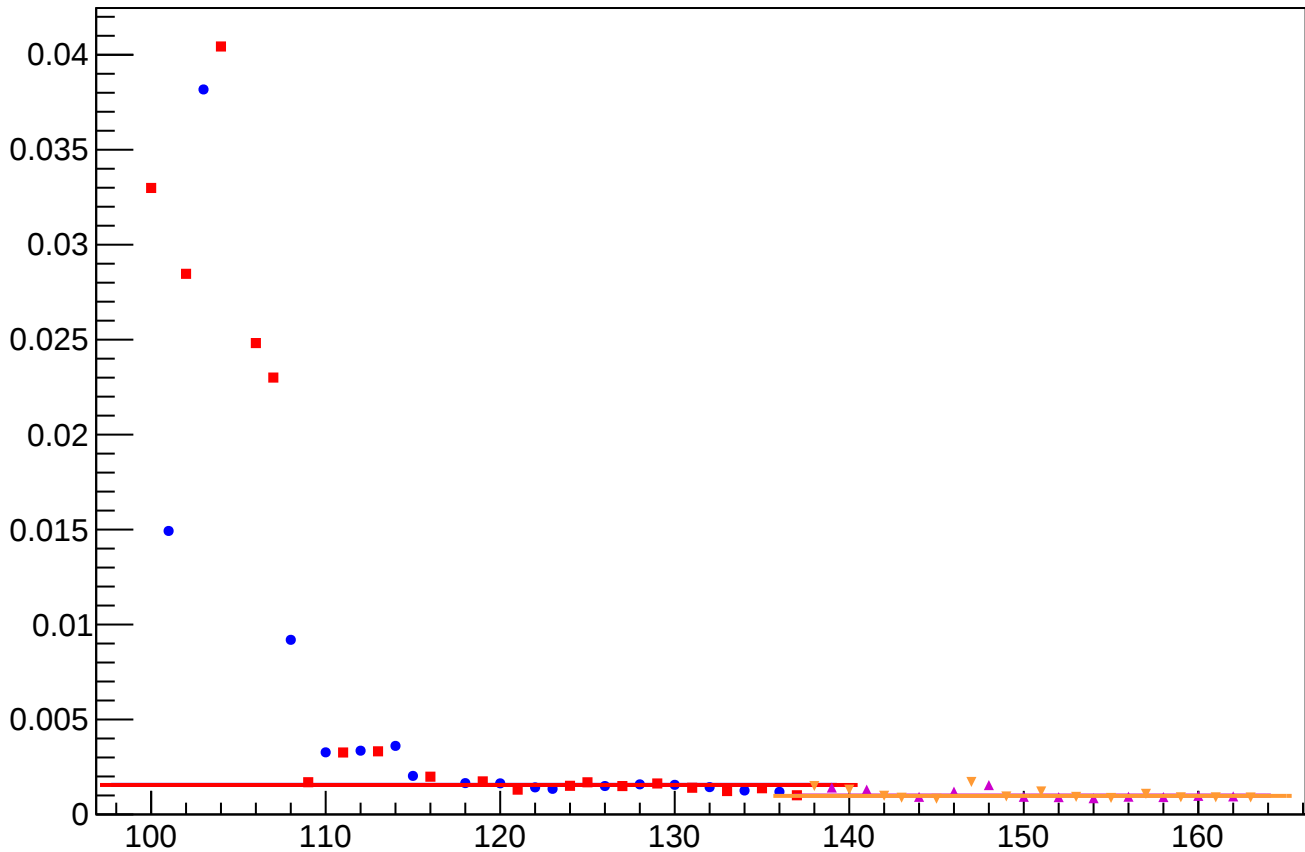
Left In: -0.121+/-0.000 χ^2/NDF :19730487.6/11

+ sign -0.121+/-0.000 χ^2/NDF : 3954125229.9/30

All: -0.121 ± 0.000 χ^2/NDF : 6488300595.4/6

- sign -0.120+/-0.000 χ^2/NDF : 2529569878.5/30

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: 711672.0/13

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3538622.3/18

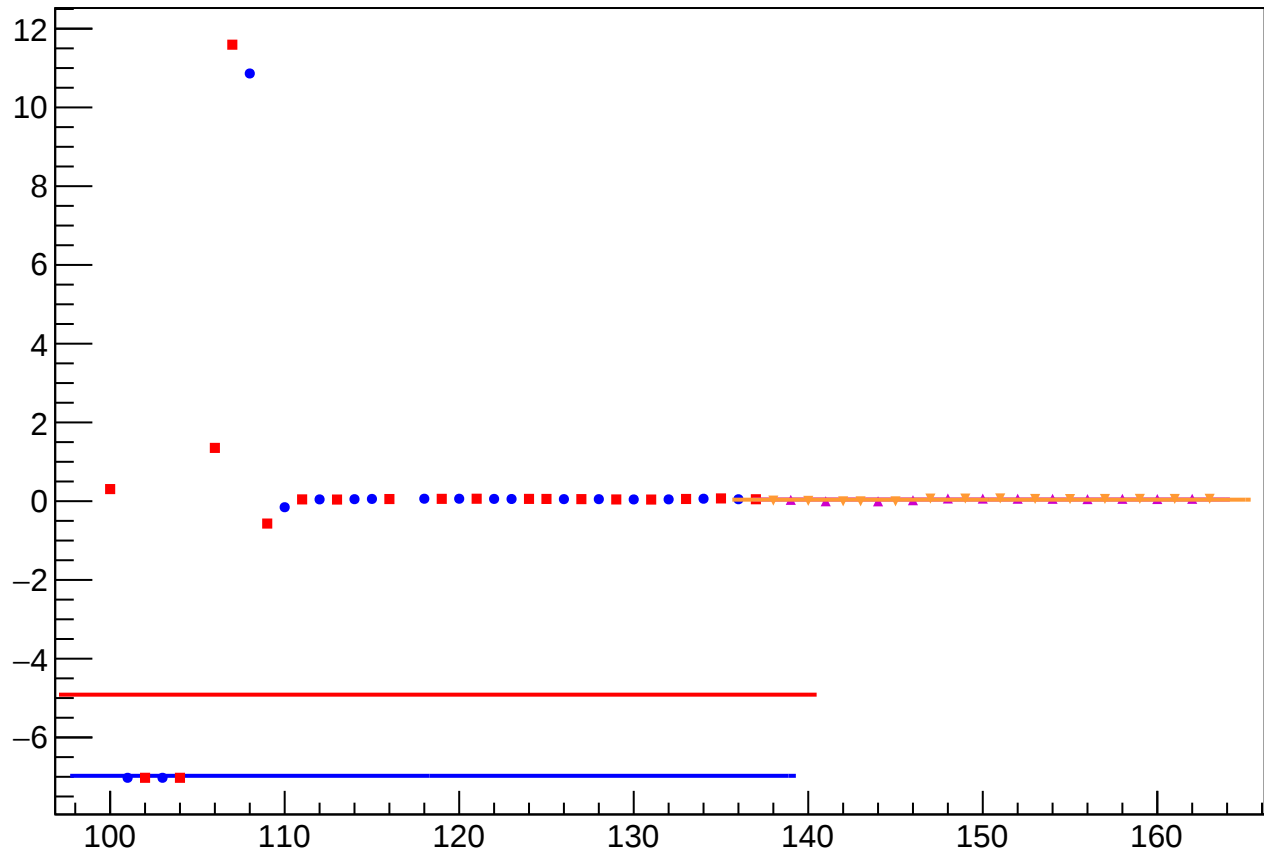
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 520539.0/11

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4691149.1/30

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 9729396.7/61

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5032982.7/30

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2 /NDF: 8787948713830.4/16

Left Out: 0.038+/-0.000 χ^2 /NDF:87229469.6/13

Right Out: -4.914+/-0.000 χ^2 /NDF: 365362215369689.4/18

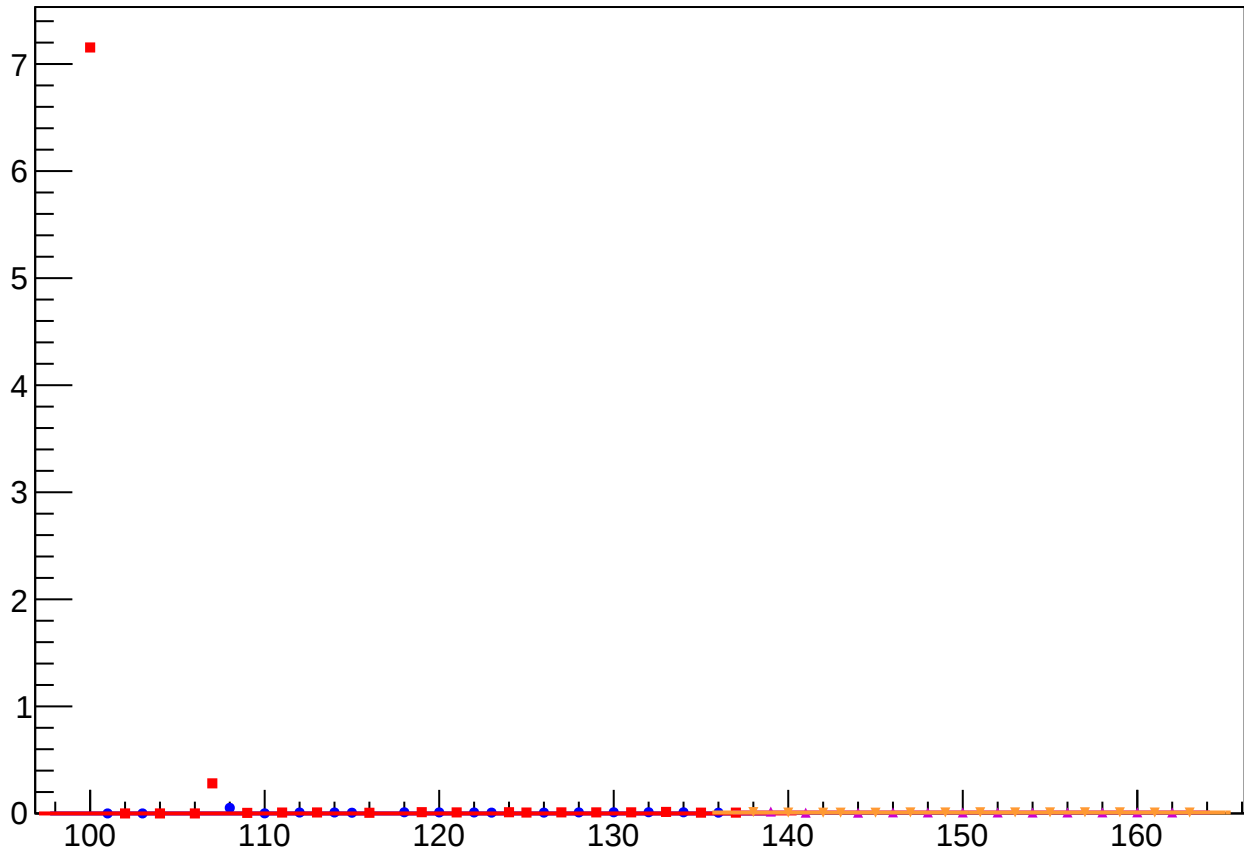
Left In: 0.043+/-0.000 χ^2 /NDF:66616405.9/11

+ sign -6.947+/-0.000 χ^2 /NDF: 13729933849064.4/16

All: -5.879+/-0.000 χ^2 /NDF: 4369729973281.4/16

- sign -4.898+/-0.000 χ^2 /NDF: 367511615994158.2/16

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 :411236.1/13

Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

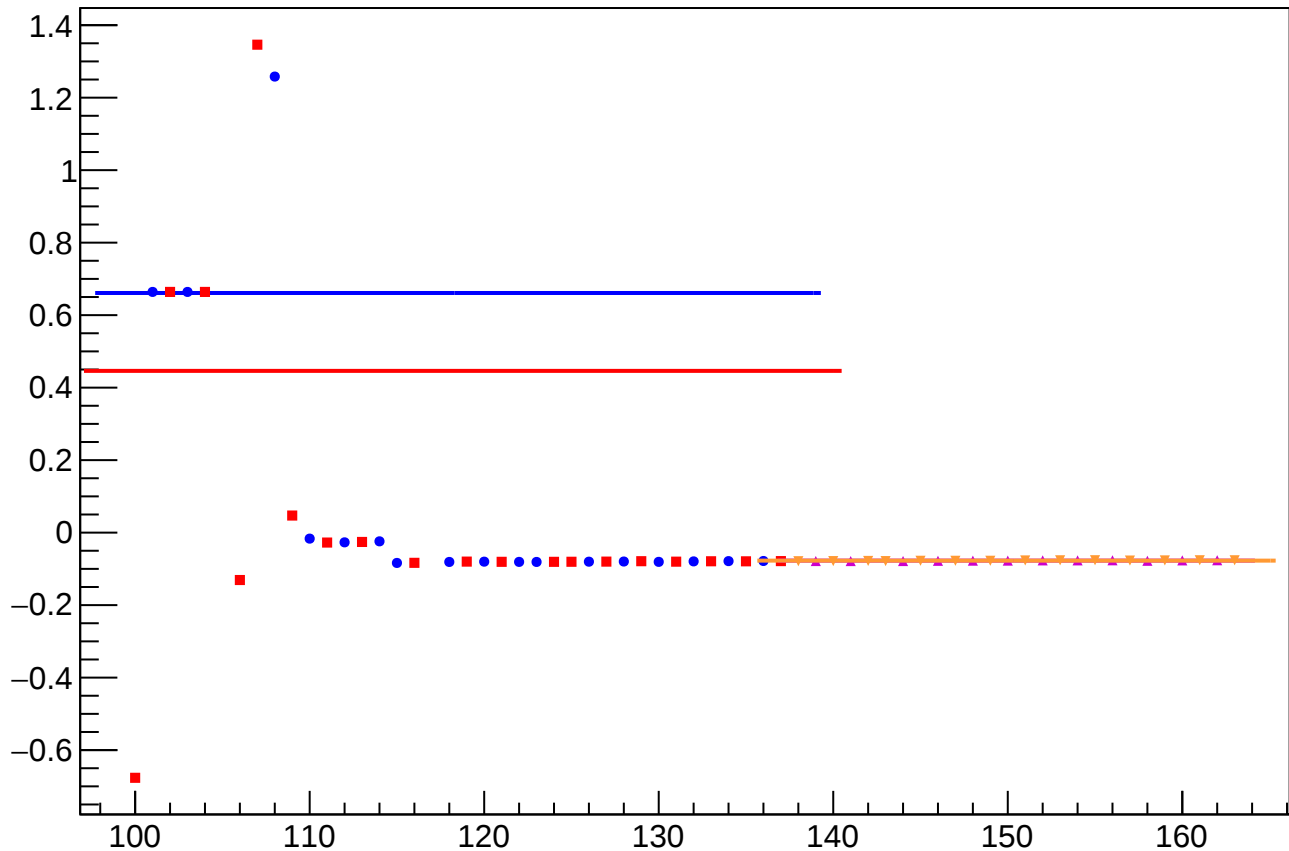
Left In: 0.009+/-0.000 χ^2/NDF :476070.4/11

+ sign 0.000+/-0.000 χ^2/NDF : 24528994.5/30

All: 0.000+/-0.000 χ^2/NDF : 48673105.8/61

- sign 0.000+/-0.000 χ^2/NDF : 24141736.1/30

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 : 26083799.0/13

Right Out: 0.446+/-0.000 χ^2/NDF : 405428604683882.5/18

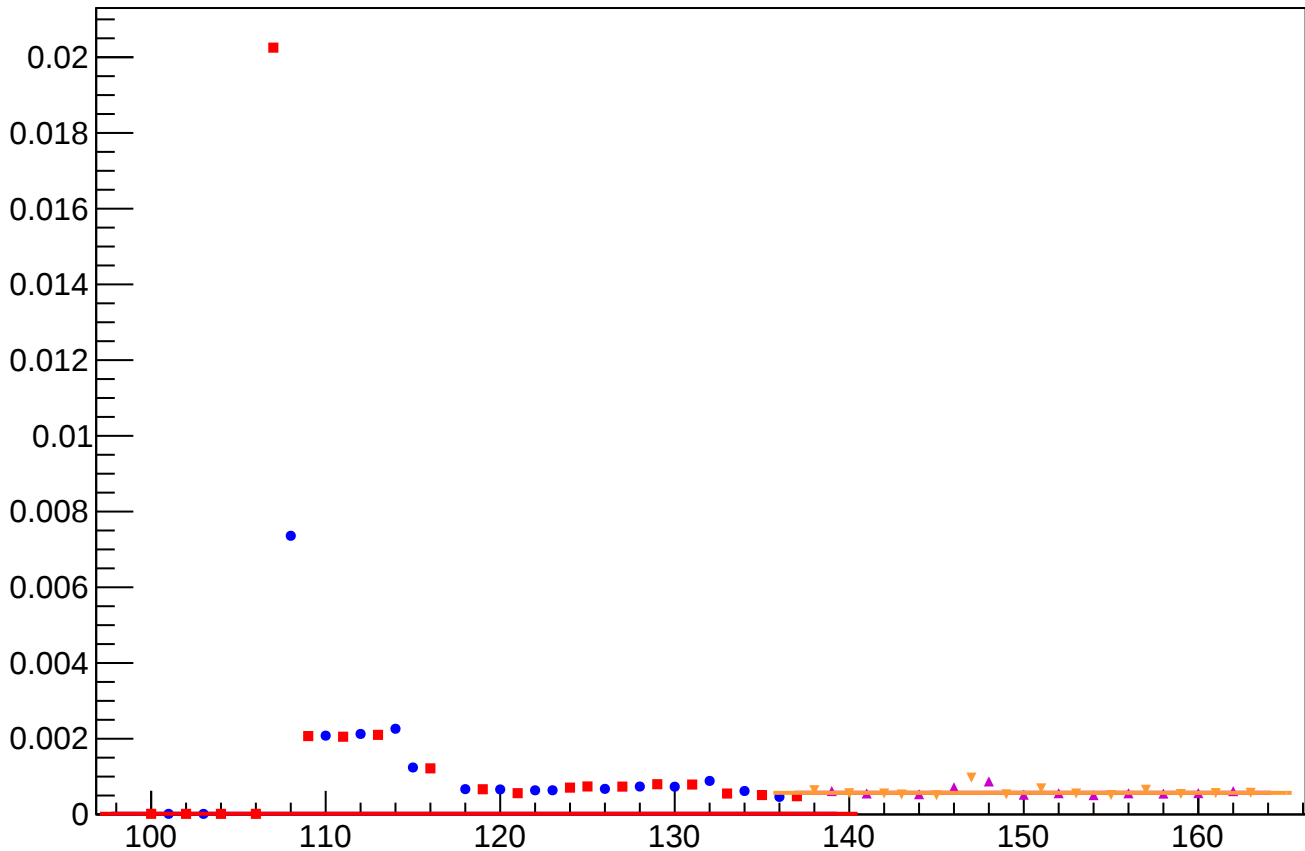
Left In: -0.077+/-0.000 χ^2/NDF : 18664202.4/11

+ sign 0.653+/-0.000 χ^2/NDF : 22017624153822.3/3

All: 0.542+/-0.000 χ^2/NDF : 49665295830010

- sign 0.441+/-0.000 χ^2/NDF : 413041572685866.8/3

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 : 407004.5/13

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

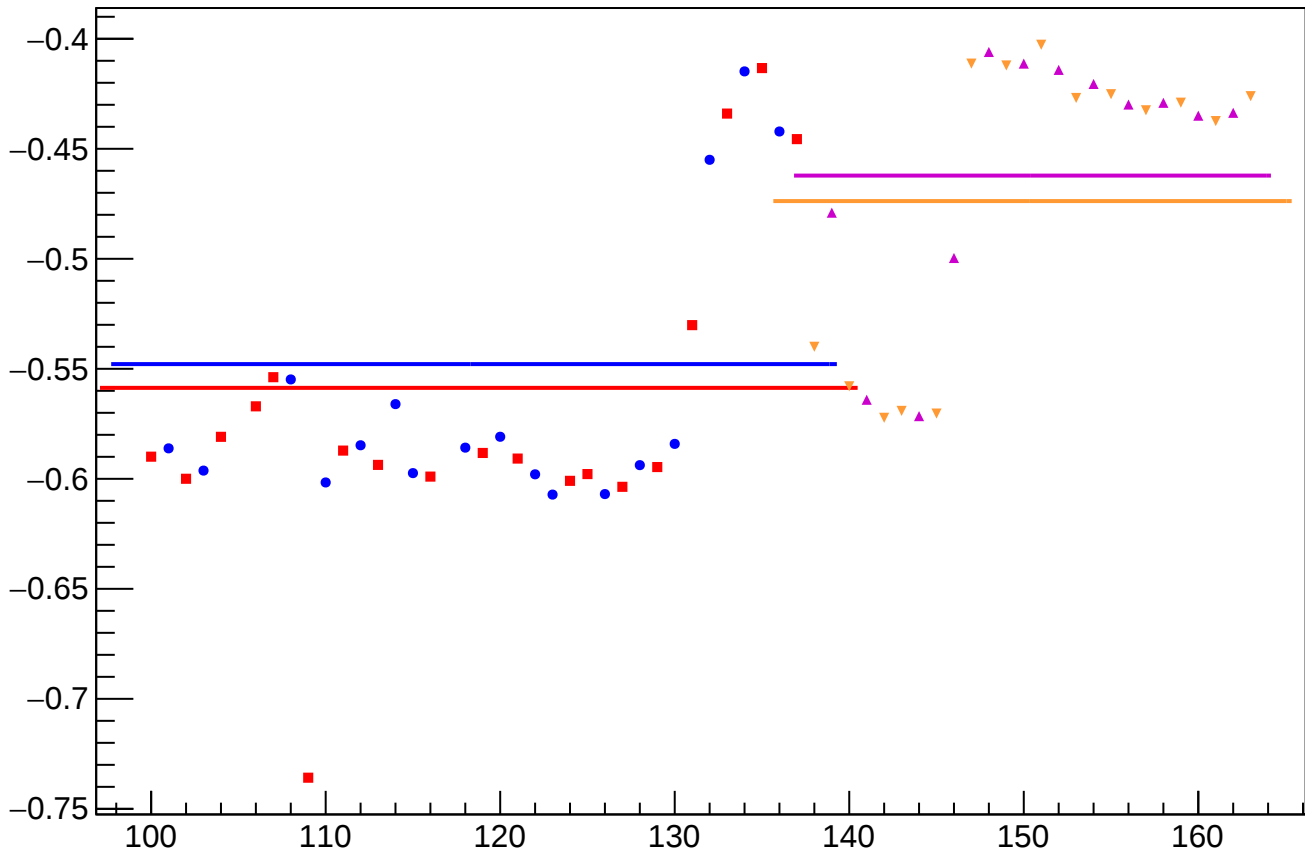
Left In: 0.001+/-0.000 χ^2/NDF : 311406.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 28684482.6/30

All: 0.000+/-0.000 χ^2/NDF : 55606698.8/61

- sign 0.000+/-0.000 χ^2/NDF : 26919311.2/30

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.474+/-0.000 χ^2/NDF : 96183525.4/13

Right Out: -0.559+/-0.000 χ^2/NDF : 65682293.5/18

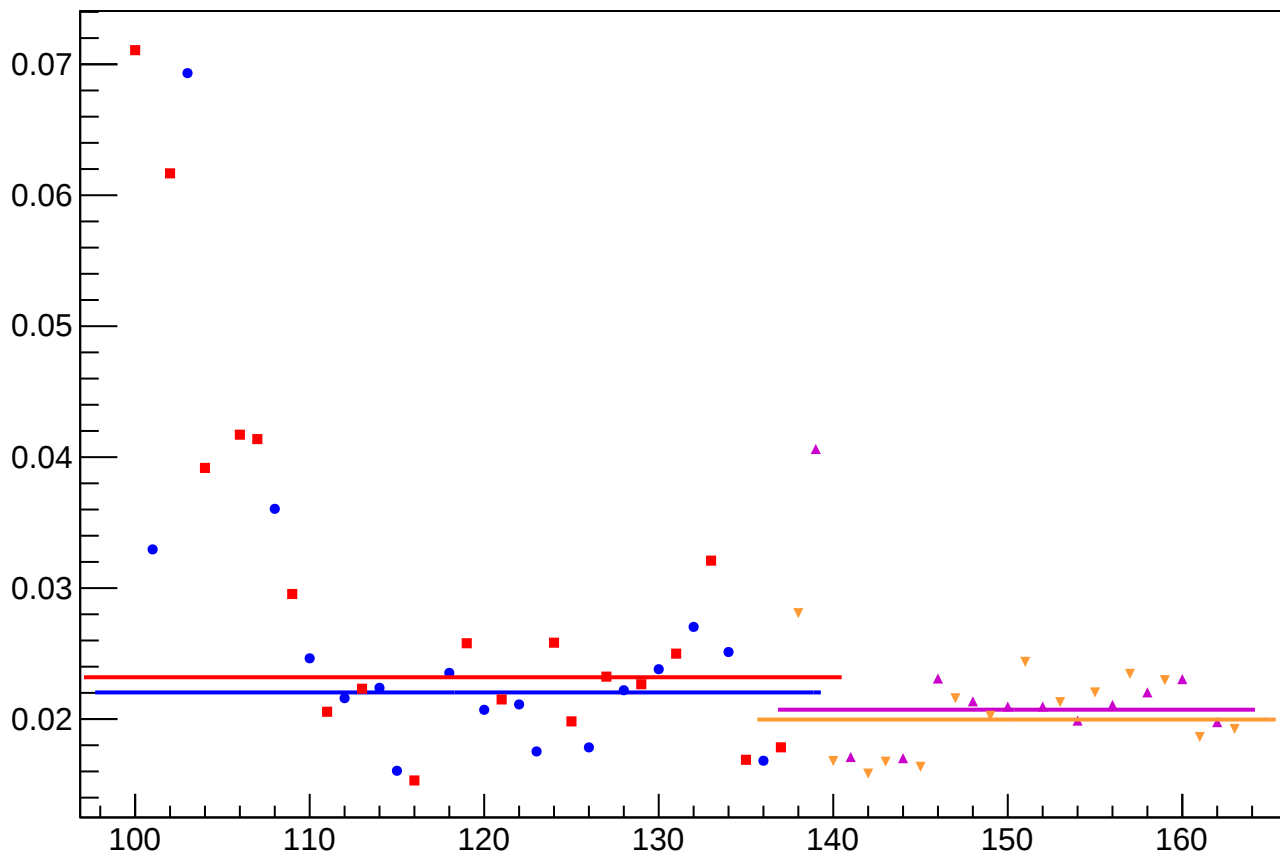
Left In: -0.462+/-0.000 χ^2/NDF : 68838669.0/11

+ sign -0.499+/-0.000 χ^2/NDF : 182977667.1/30

All: -0.498+/-0.000 χ^2/NDF : 377083147.6/61

- sign -0.496+/-0.000 χ^2/NDF : 194023340.8/30

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 958966.6/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:391981.2/13

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156989.7/18

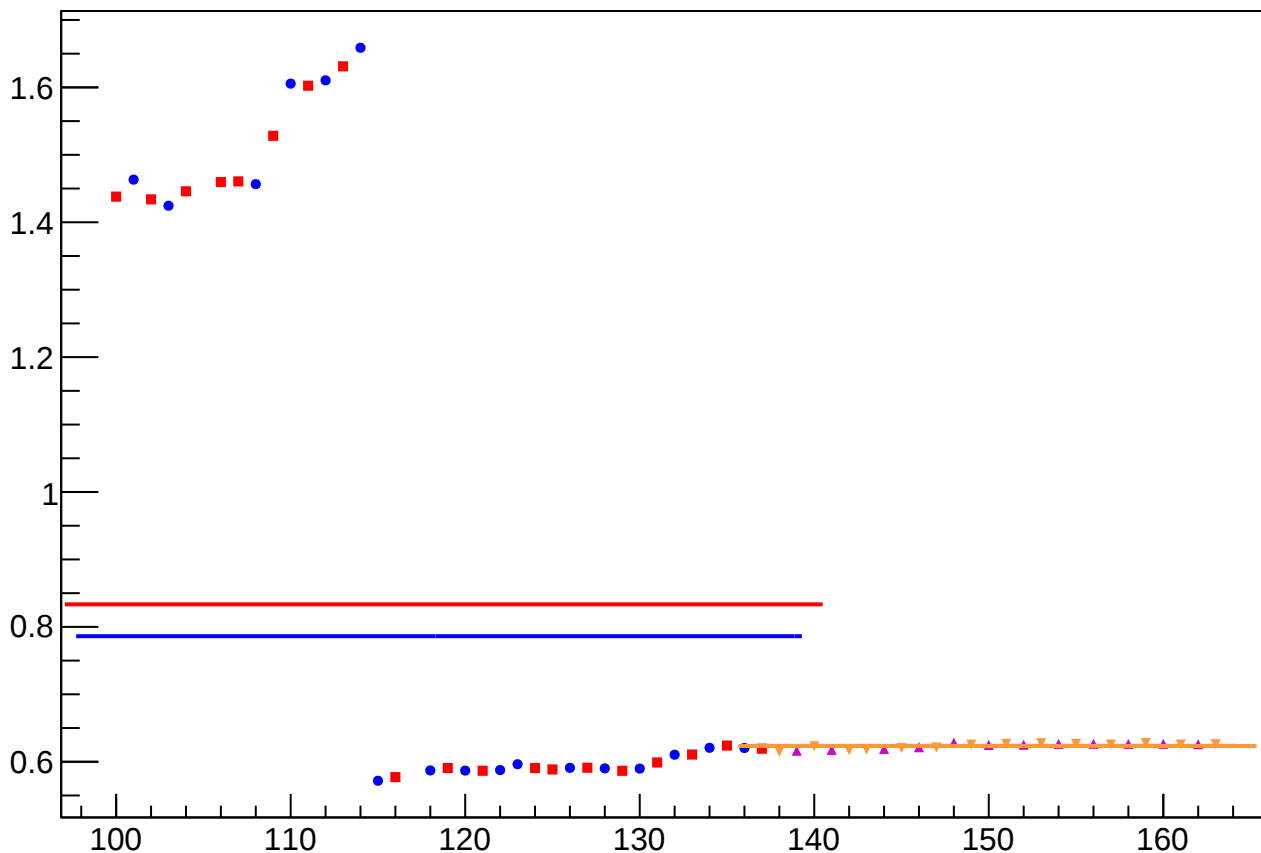
Left In: 0.021 $\pm$ 0.000 χ^2 /NDF:475756.5/11

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1410565.5/30

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3147332.8/61

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 1711196.9/30

yield_bpm4aY_mean vs Slug



Right In: 0.786 $\pm$ 0.000 χ^2 /NDF: 3590113316.1/16

Left Out: 0.623 $\pm$ 0.000 χ^2 /NDF:1020299.3/13

Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4156812252.4/18

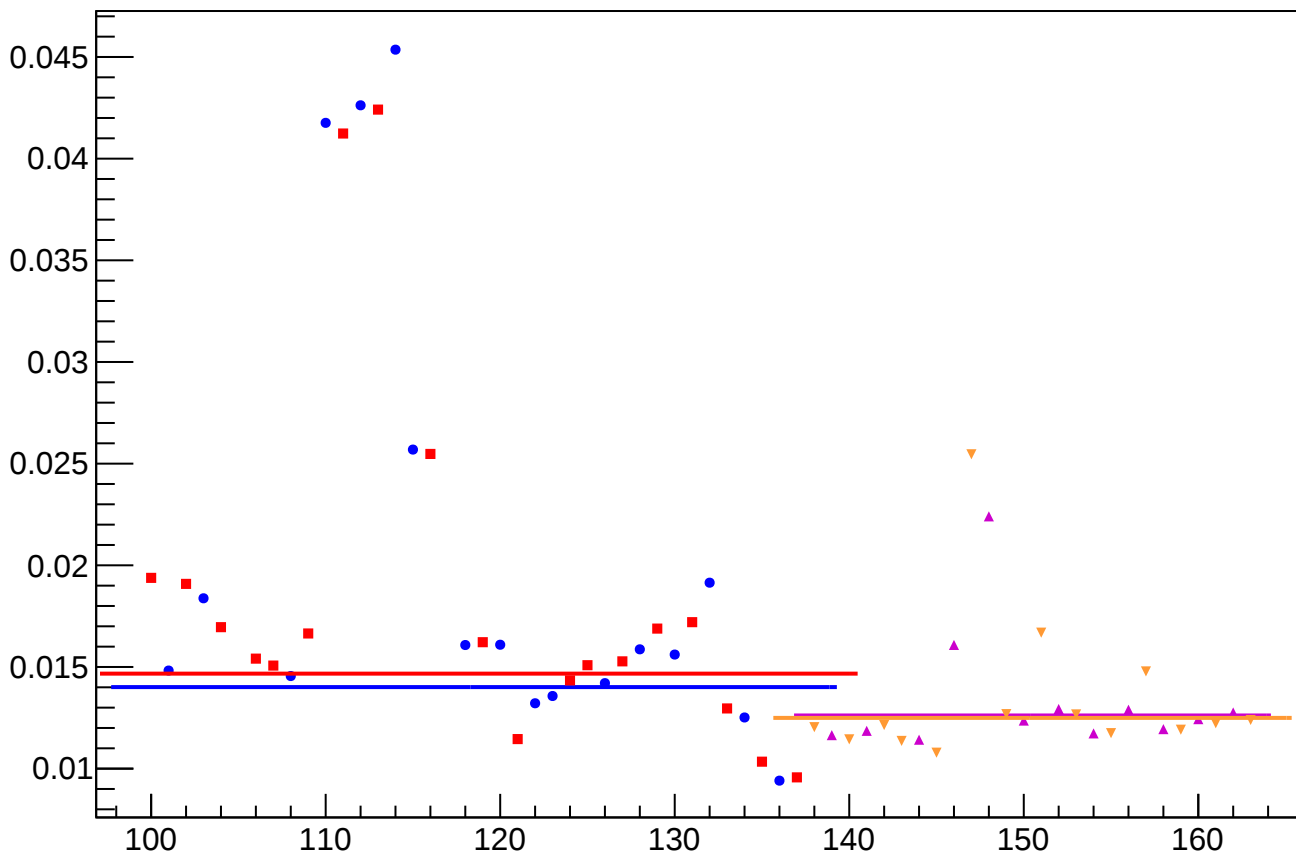
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:870416.8/11

+ sign 0.675 $\pm$ 0.000 χ^2 /NDF: 4116724714.6/30

All: 0.683 $\pm$ 0.000 χ^2 /NDF: 9118183446.9/63

- sign 0.692 $\pm$ 0.000 χ^2 /NDF: 4988345569.4/30

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 :588417.4/13

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1263462.0/18

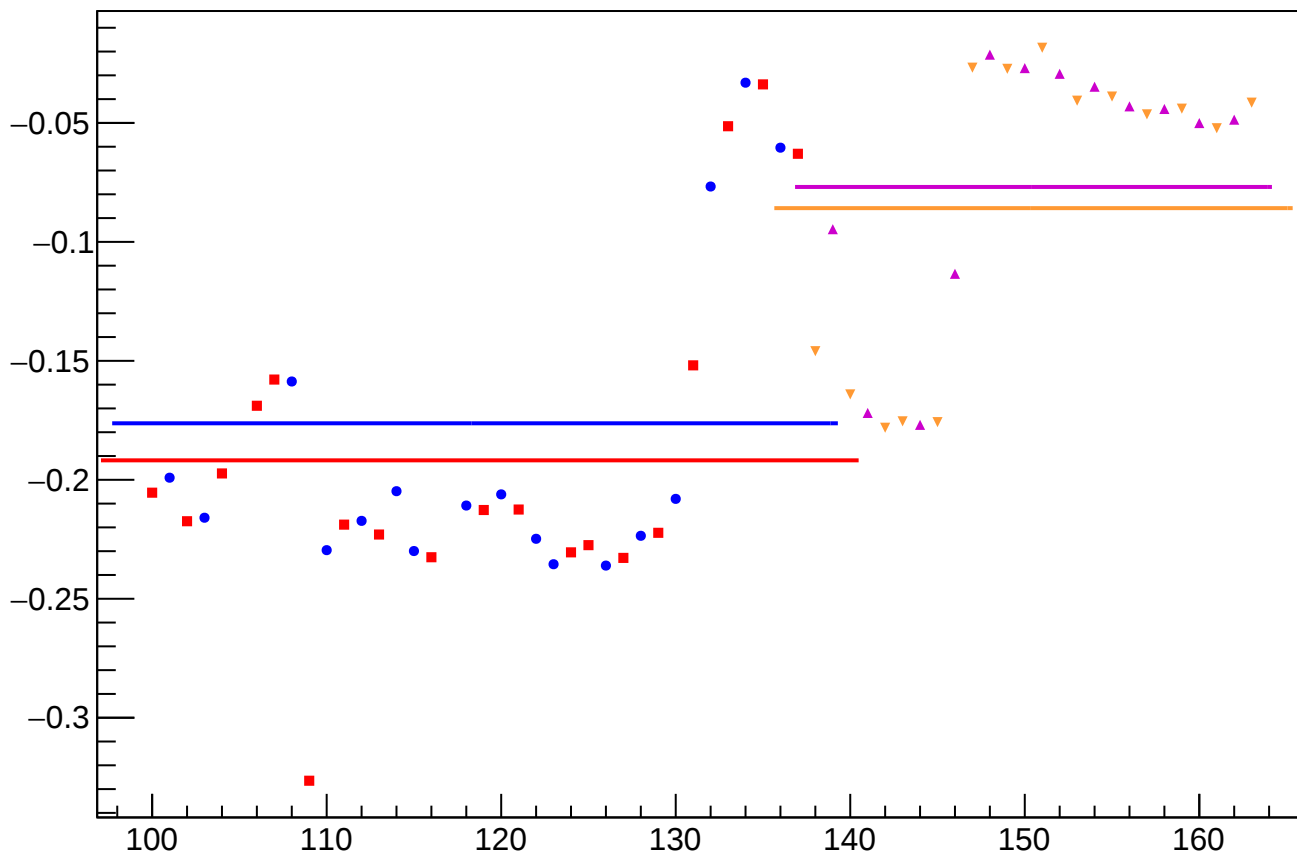
Left In: 0.013 $\pm$ 0.000 χ^2/NDF :409246.9/11

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 2084356.0/30

All: 0.013 $\pm$ 0.000 χ^2/NDF : 3925355.6/61

- sign 0.013 $\pm$ 0.000 χ^2/NDF : 1832354.5/30

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.086+/-0.000 χ^2/NDF : 92414520.9/13

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

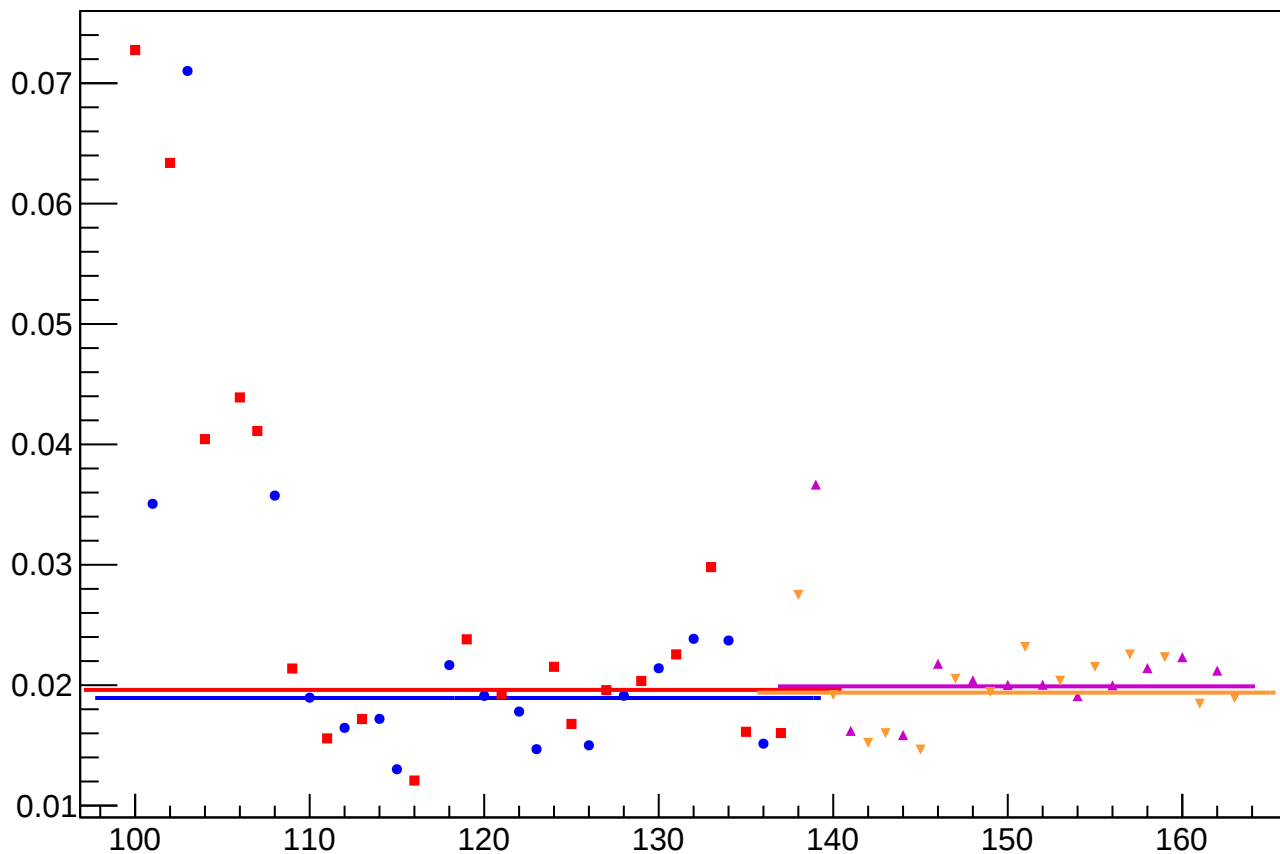
Left In: -0.077+/-0.000 χ^2/NDF : 69631760.3/11

+ sign -0.121+/-0.000 χ^2/NDF : 232587285.3/30

All: -0.122+/-0.000 χ^2/NDF : 491852067.3/61

- sign -0.124+/-0.000 χ^2/NDF : 259116006.0/30

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 416800.2/13

Right Out: 0.020+/-0.000 χ^2/NDF : 1457660.9/18

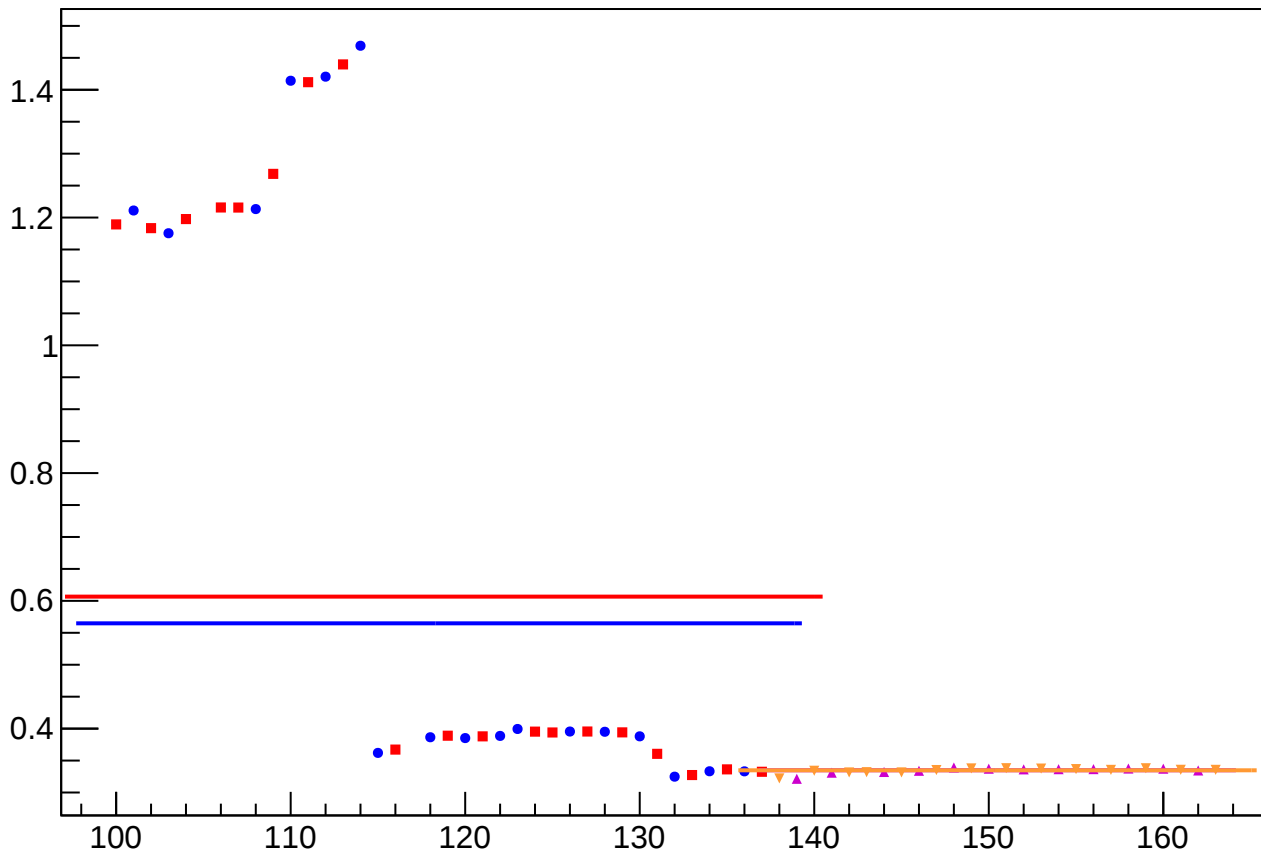
Left In: 0.020+/-0.000 χ^2/NDF : 467304.0/11

+ sign 0.019+/-0.000 χ^2/NDF : 1626068.9/30

All: 0.019+/-0.000 χ^2/NDF : 3563806.5/61

- sign 0.020+/-0.000 χ^2/NDF : 1926342.3/30

yield_bpm4eY_mean vs Slug



Right In: 0.565 $\pm$ 0.000 χ^2 /NDF: 5030969499.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1068584.1/13

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5513752213.8/18

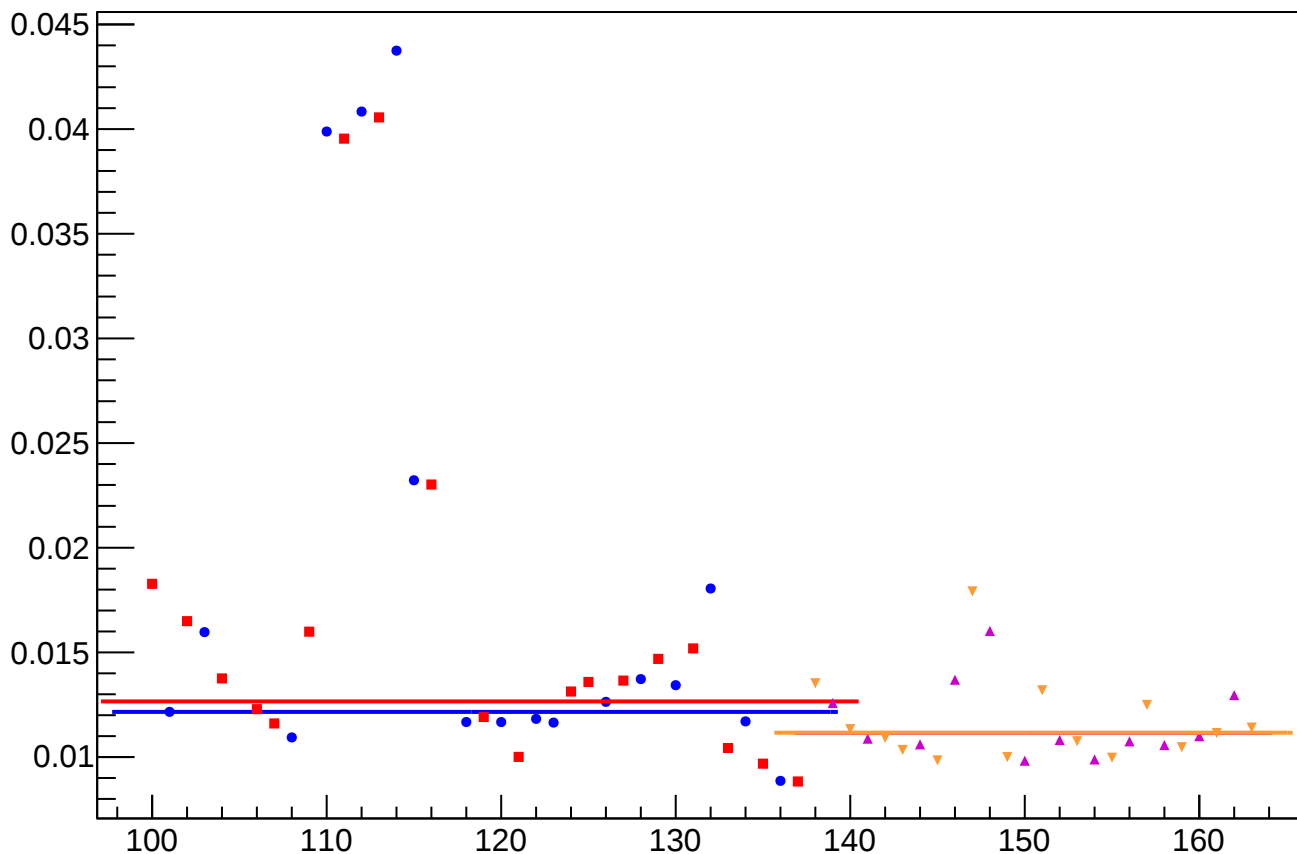
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1153883.5/11

+ sign 0.410 $\pm$ 0.000 χ^2 /NDF: 6399822926.4/30

All: 0.417 $\pm$ 0.000 χ^2 /NDF: 13743897404.2/60

- sign 0.425 $\pm$ 0.000 χ^2 /NDF: 7330870780.9/30

yield_bpm4eY_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1309888.8/16

Left Out: 0.011 ± 0.000 χ^2/NDF : 395580.8/13

Right Out: 0.013 ± 0.000 χ^2/NDF : 1270689.5/18

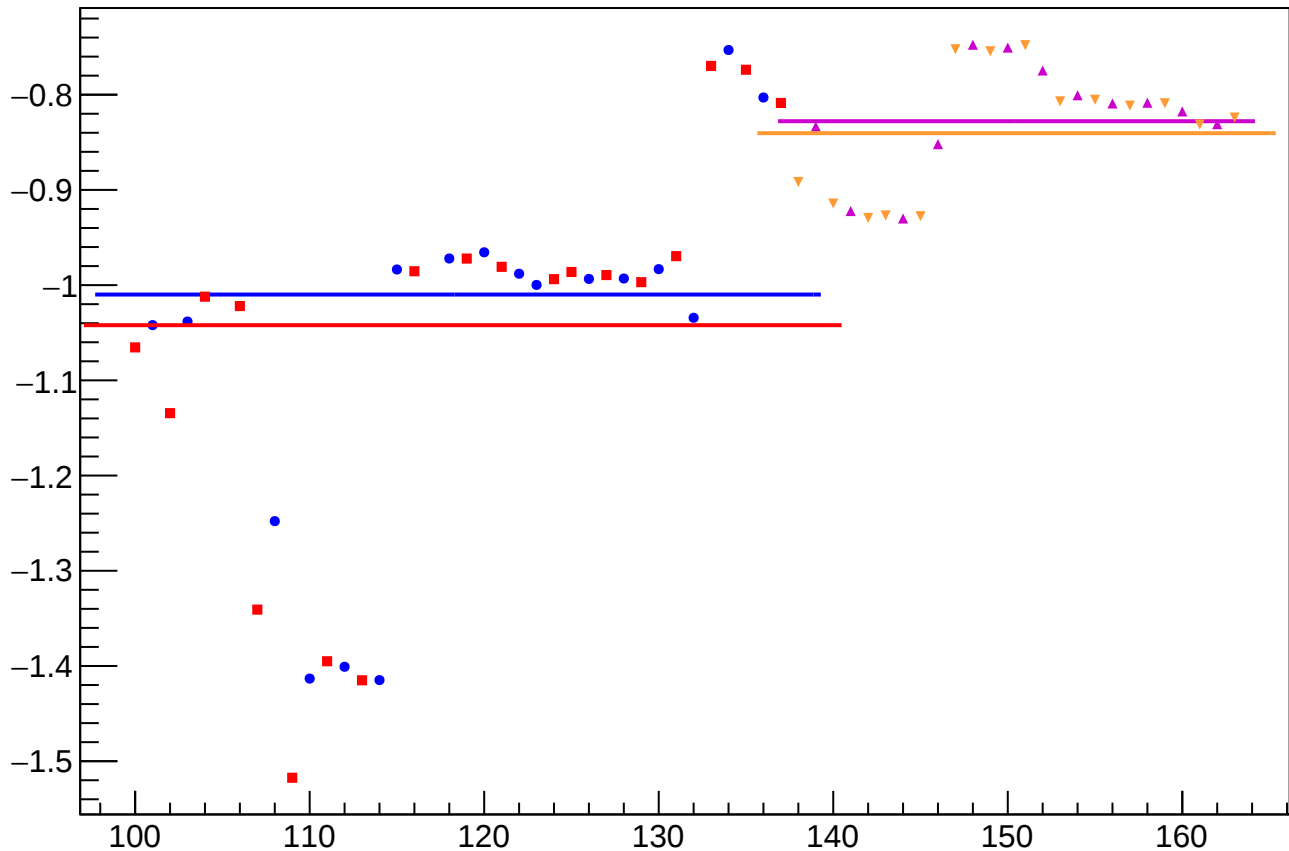
Left In: 0.011 ± 0.000 χ^2/NDF : 311609.8/11

+ sign 0.011 ± 0.000 χ^2/NDF : 1756557.1/30

All: 0.012 ± 0.000 χ^2/NDF : 3453381.3/61

- sign 0.012 ± 0.000 χ^2/NDF : 1693731.8/30

yield_bpm4acX_mean vs Slug



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.840+/-0.000 χ^2/NDF : 92168171.2/13

Right Out: -1.042+/-0.000 χ^2/NDF : 530106141.8/18

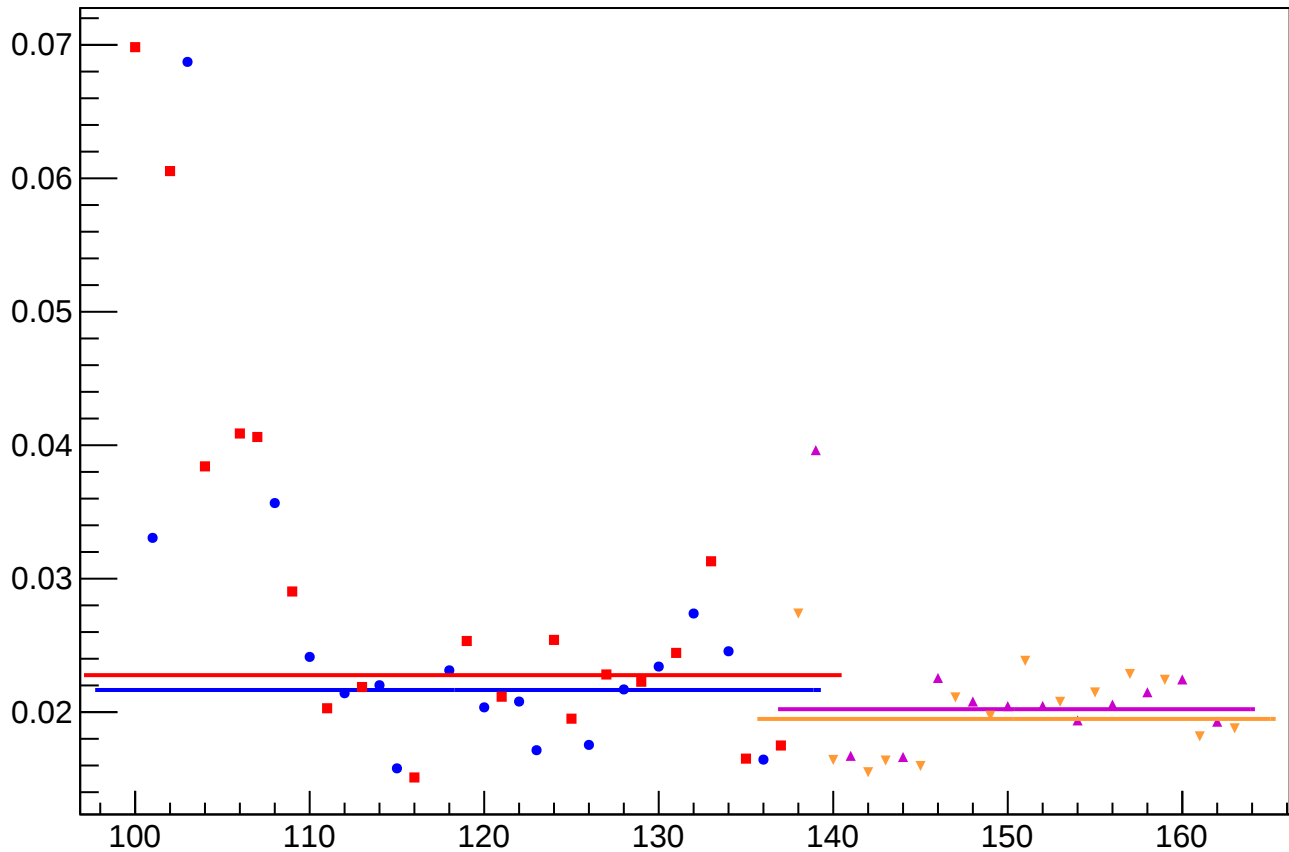
Left In: -0.828+/-0.000 χ^2/NDF : 70017054.5/11

+ sign -0.897+/-0.000 χ^2/NDF : 687409390.7/30

All: -0.900+/-0.000 χ^2/NDF : 1593363925.3/6

- sign -0.903+/-0.000 χ^2/NDF : 905379558.2/30

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: 390035.1/13

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152617.8/18

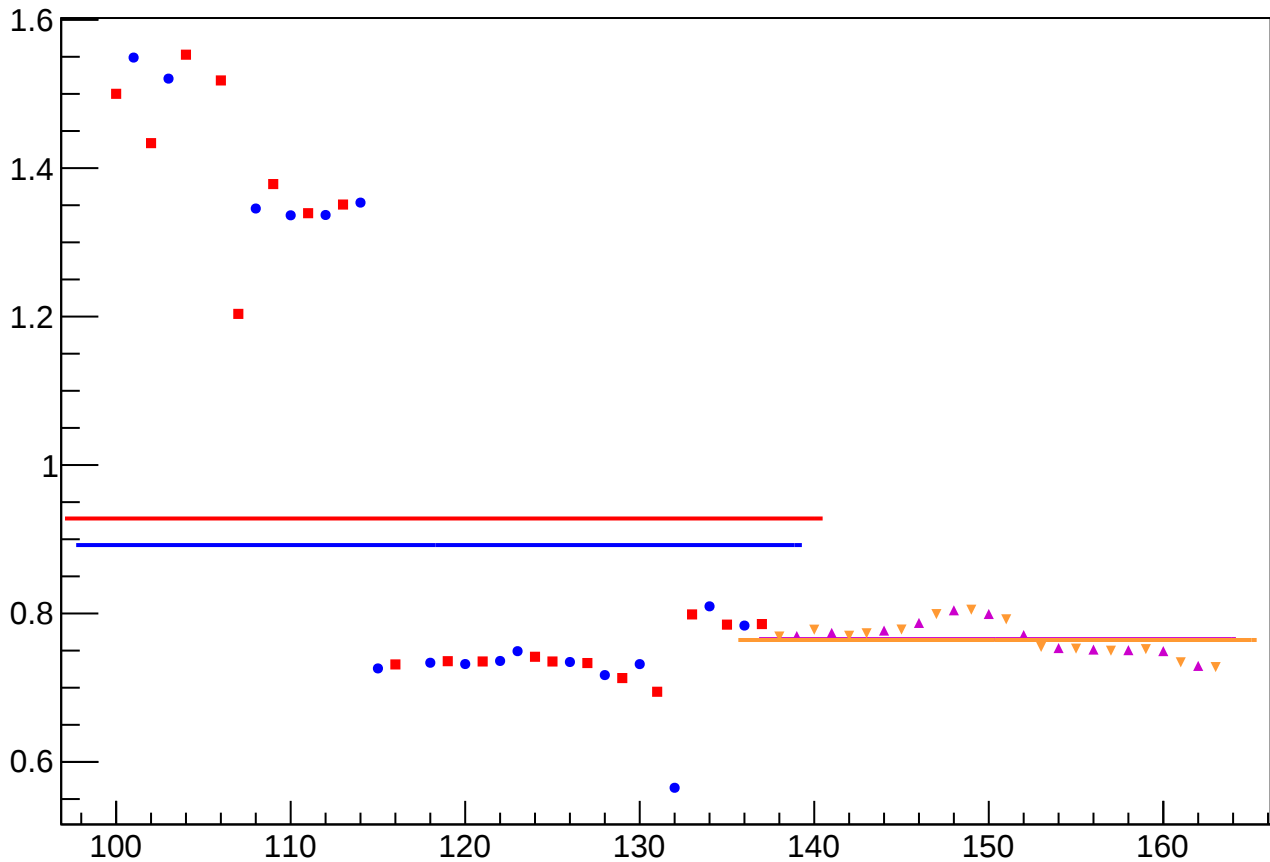
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 472660.9/11

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1441462.0/30

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3178260.4/61

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1711832.8/30

yield_bpm4acY_mean vs Slug



Right In: 0.892 $\pm$ 0.000 χ^2 /NDF: 2413732173.6/16

Left Out: 0.764 $\pm$ 0.000 χ^2 /NDF:28307999.5/13

+ sign 0.804 $\pm$ 0.000 χ^2 /NDF: 2757614169.3/30

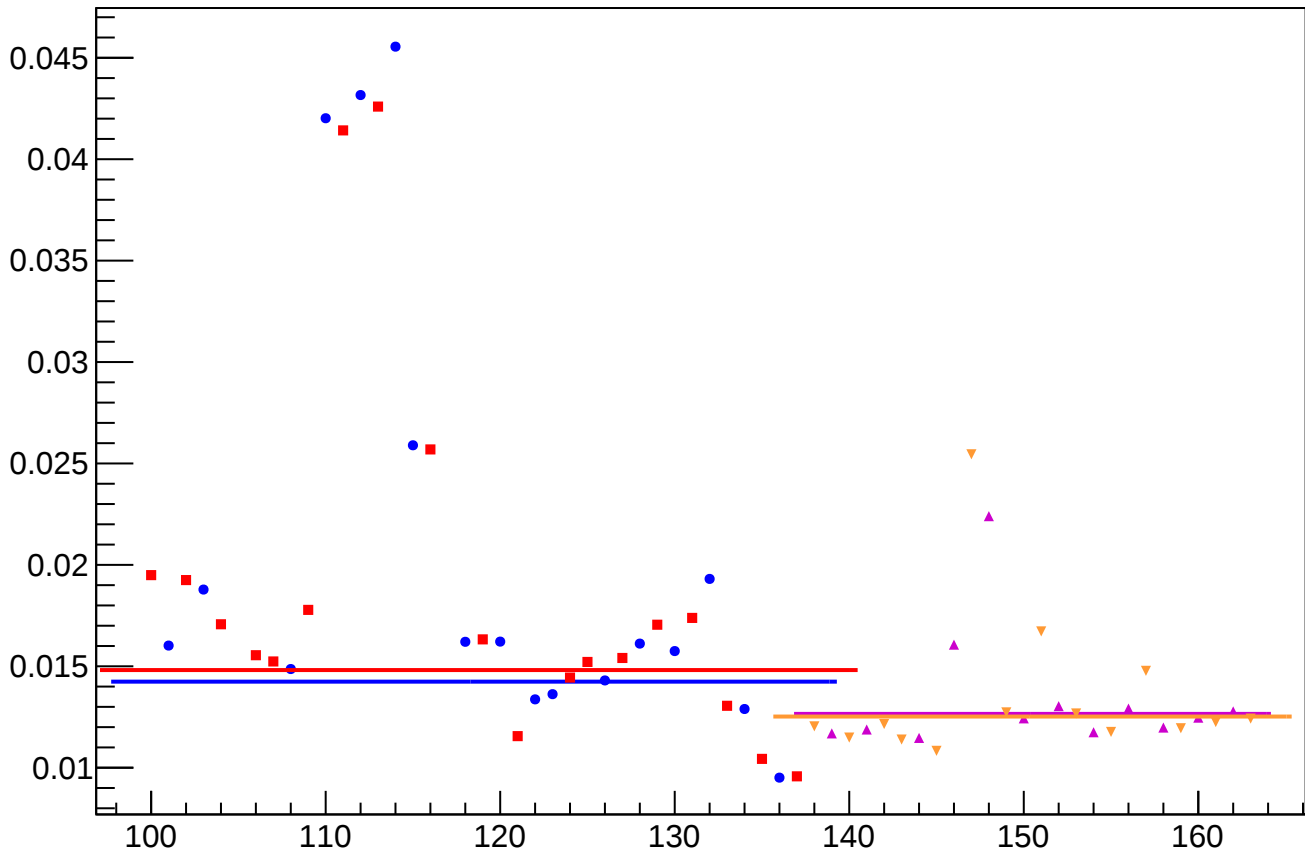
Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2437542089.2/18

All: 0.810 $\pm$ 0.000 χ^2 /NDF: 5714624915.4/63

Left In: 0.766 $\pm$ 0.000 χ^2 /NDF:21853831.9/11

- sign 0.818 $\pm$ 0.000 χ^2 /NDF: 2948198263.2/30

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1415681.3/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:583858.8/13

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1274172.7/18

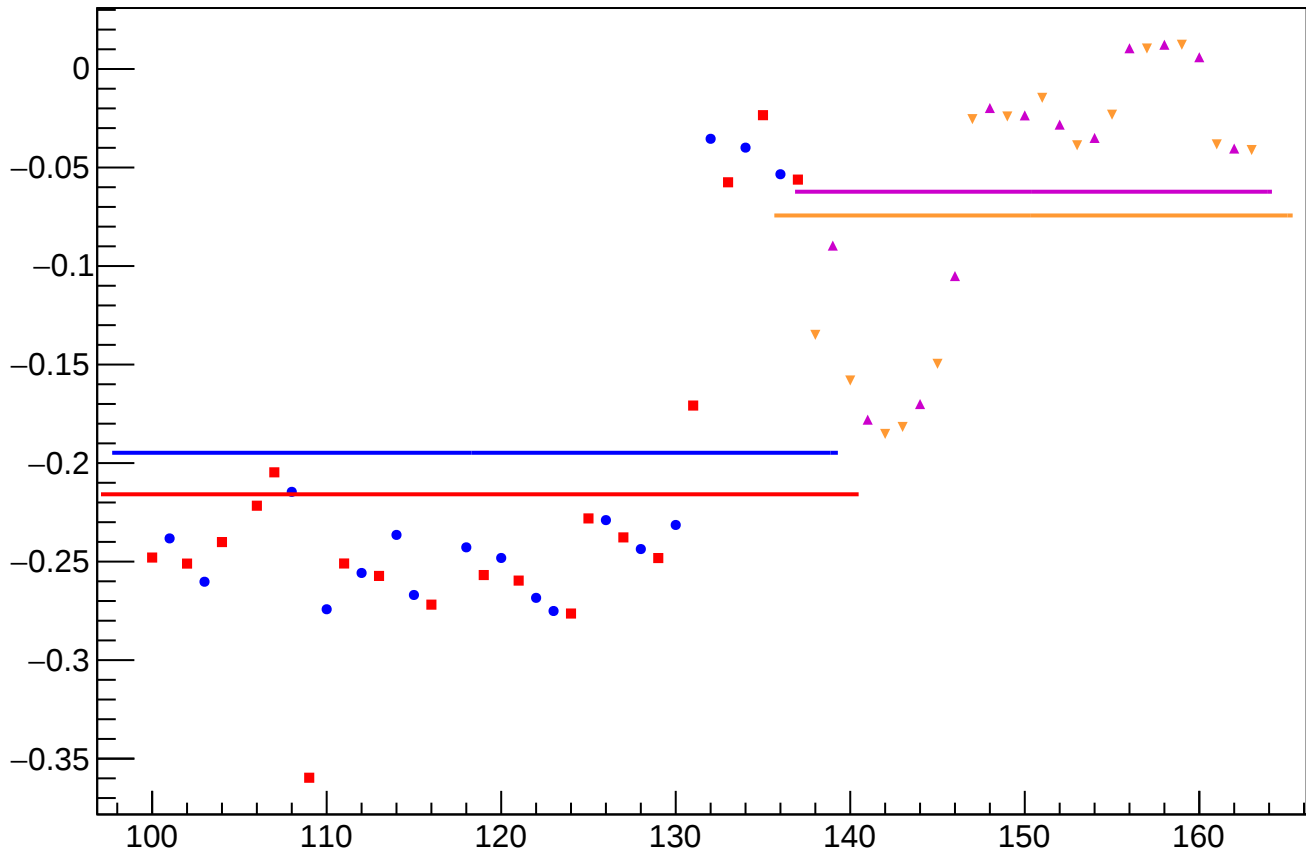
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:405015.6/11

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2113766.9/30

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3973659.5/61

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1852153.8/30

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.074+/-0.000 χ^2/NDF : 109119982.4/13

Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

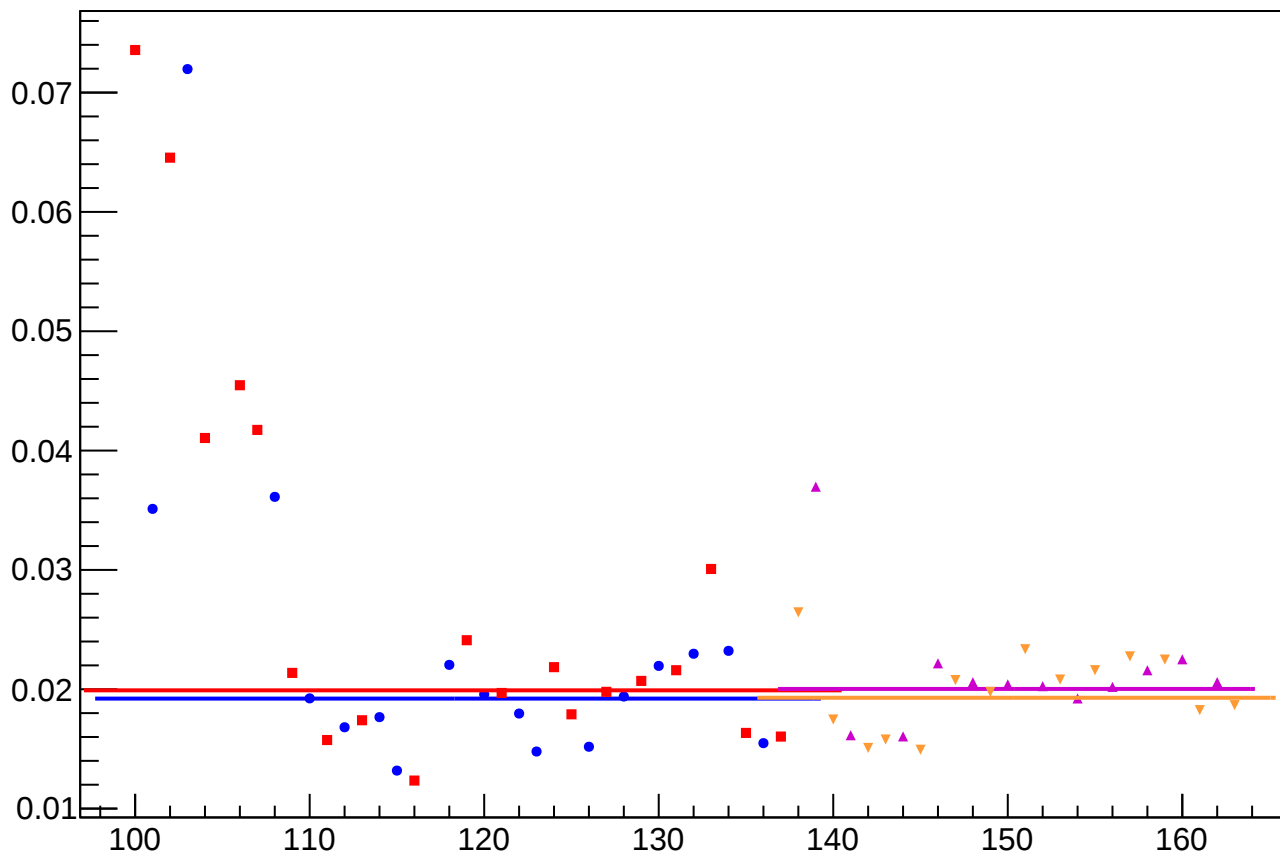
Left In: -0.062+/-0.000 χ^2/NDF : 94140276.6/11

+ sign -0.120+/-0.000 χ^2/NDF : 340024122.6/30

All: -0.122+/-0.000 χ^2/NDF : 730560266.7/61

- sign -0.124+/-0.000 χ^2/NDF : 390243449.6/30

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.019+/-0.000 χ^2/NDF : 419406.1/13

Right Out: 0.020+/-0.000 χ^2/NDF : 1446950.0/18

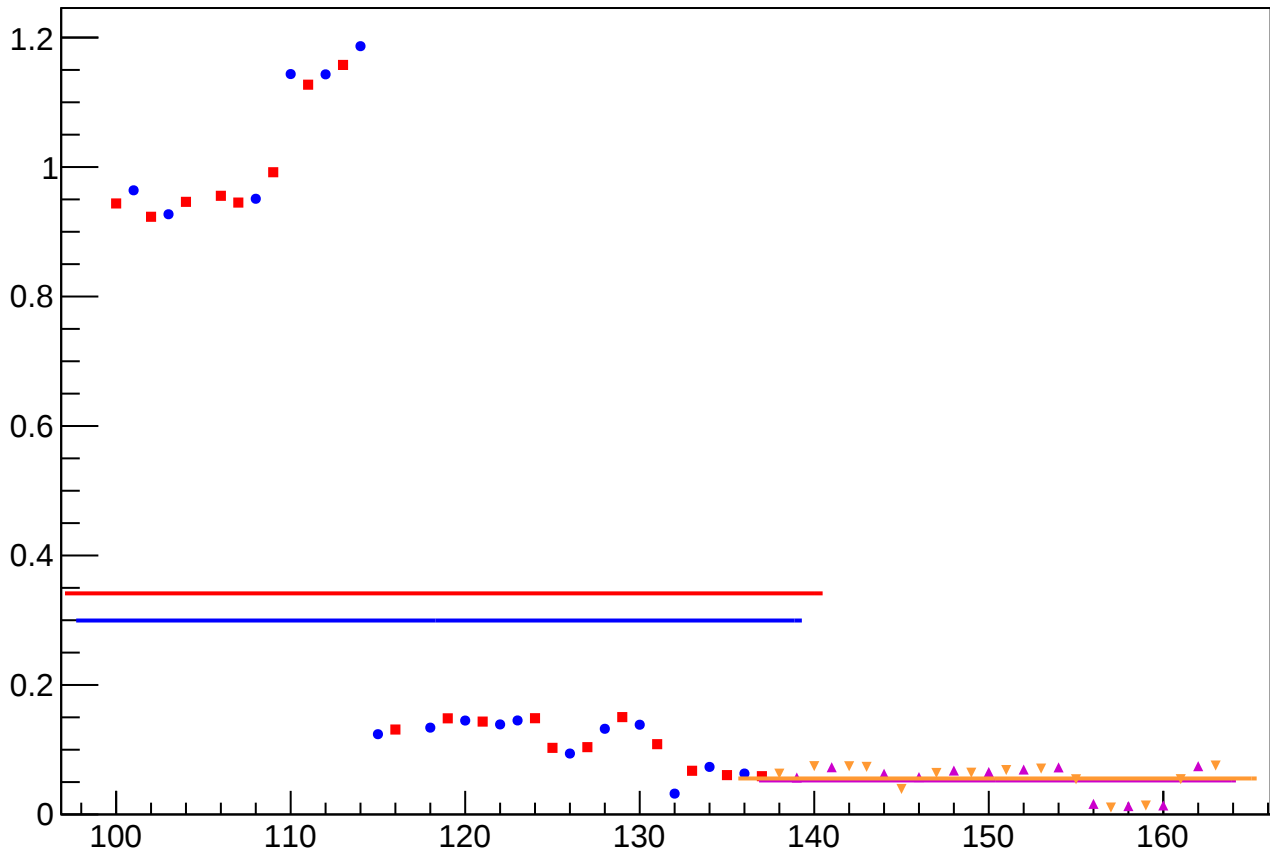
Left In: 0.020+/-0.000 χ^2/NDF : 470627.1/11

+ sign 0.019+/-0.000 χ^2/NDF : 1596573.9/30

All: 0.020+/-0.000 χ^2/NDF : 3531986.9/61

- sign 0.020+/-0.000 χ^2/NDF : 1917791.5/30

yield_bpm4ecY_mean vs Slug



Right In: 0.300 $\pm$ 0.000 χ^2 /NDF: 5165052137.6/16

Left Out: 0.056 $\pm$ 0.000 χ^2 /NDF:37054105.3/13

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5450600455.1/18

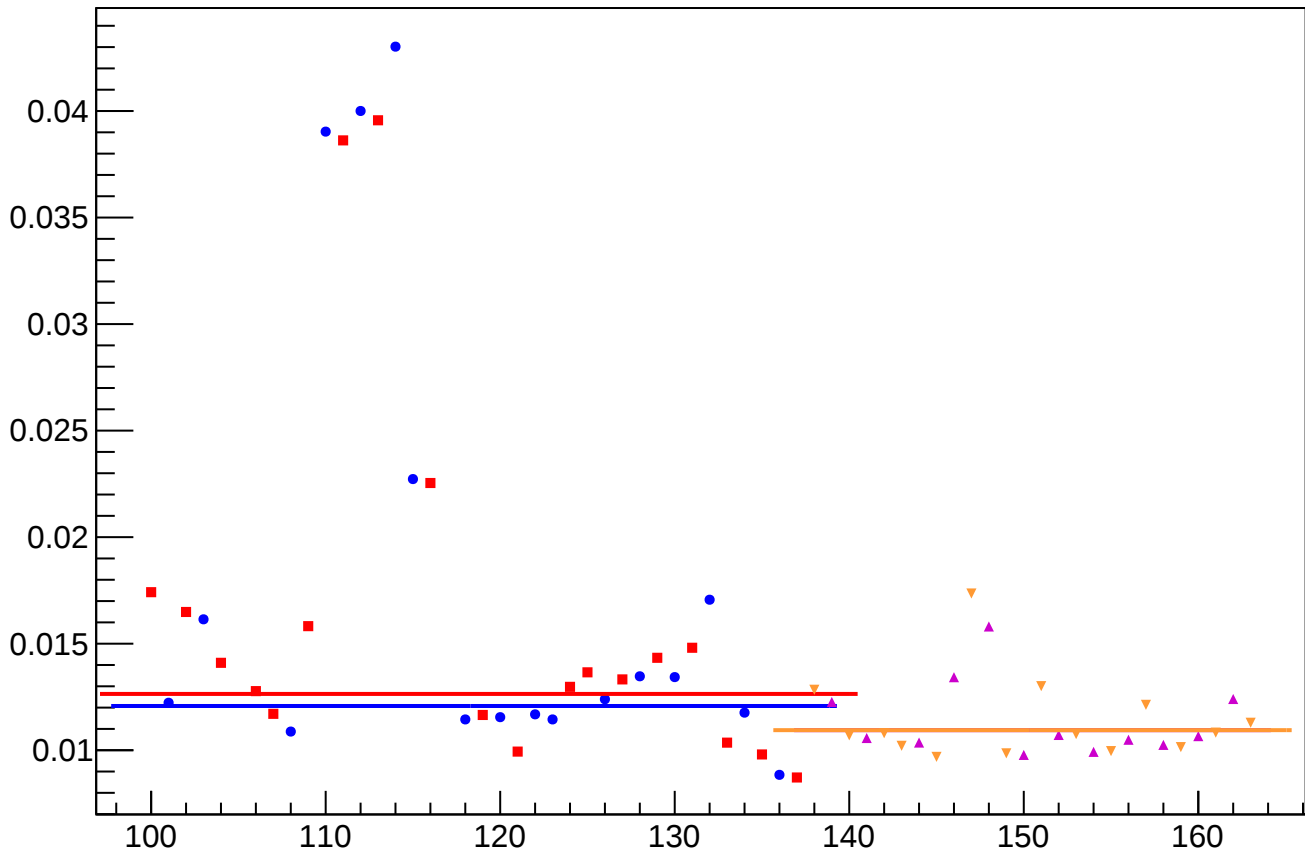
Left In: 0.053 $\pm$ 0.000 χ^2 /NDF:45455319.5/11

+ sign 0.134 $\pm$ 0.000 χ^2 /NDF: 6776397536.3/30

All: 0.140 $\pm$ 0.000 χ^2 /NDF: 14364169481.5/6

- sign 0.146 $\pm$ 0.000 χ^2 /NDF: 7578719530.6/30

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:364562.7/13

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1237706.0/18

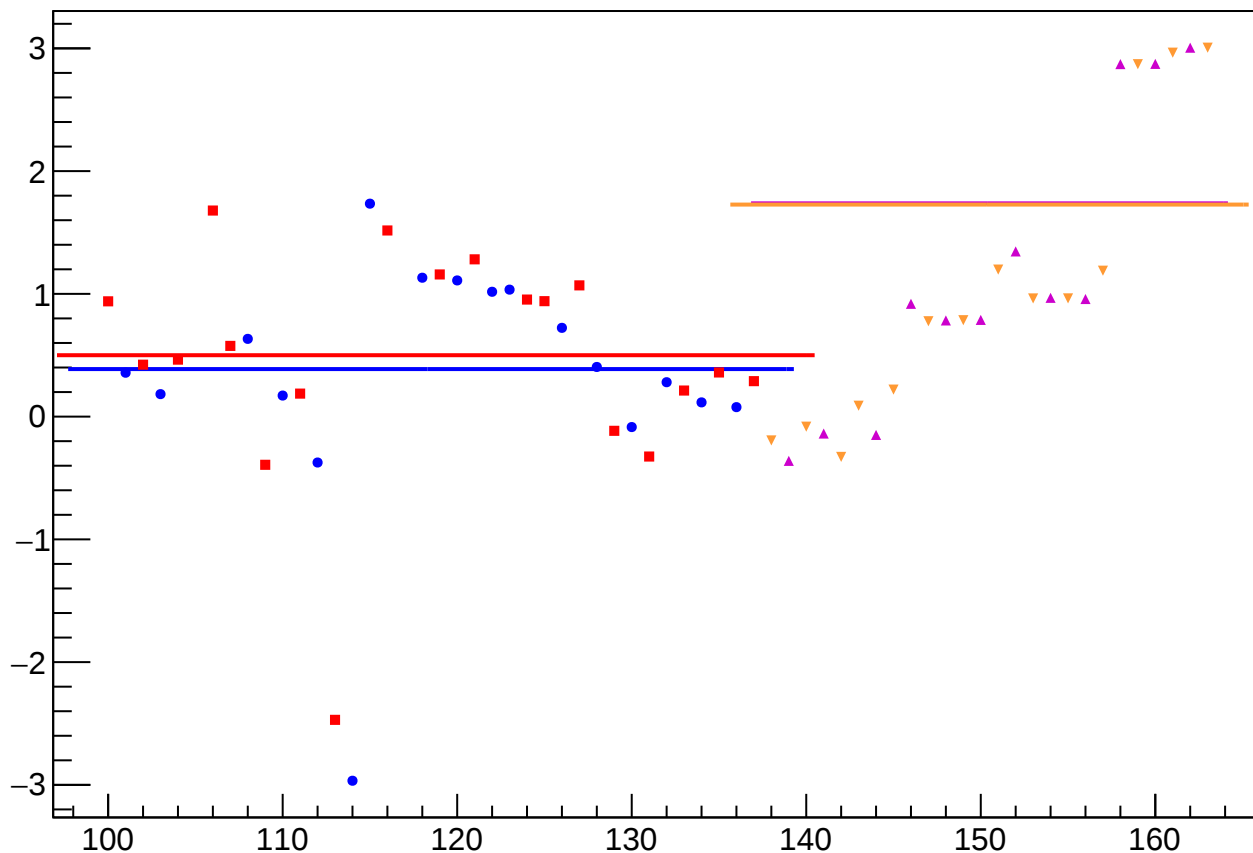
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:293397.7/11

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1714731.5/30

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3394260.2/61

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1675408.4/30

yield_bpm1X_mean vs Slug



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 247912593.5/16

Left Out: 1.727 $\pm$ 0.000 χ^2 /NDF: 23818968975.1/13

Right Out: 0.500 $\pm$ 0.000 χ^2 /NDF: 983360928.1/18

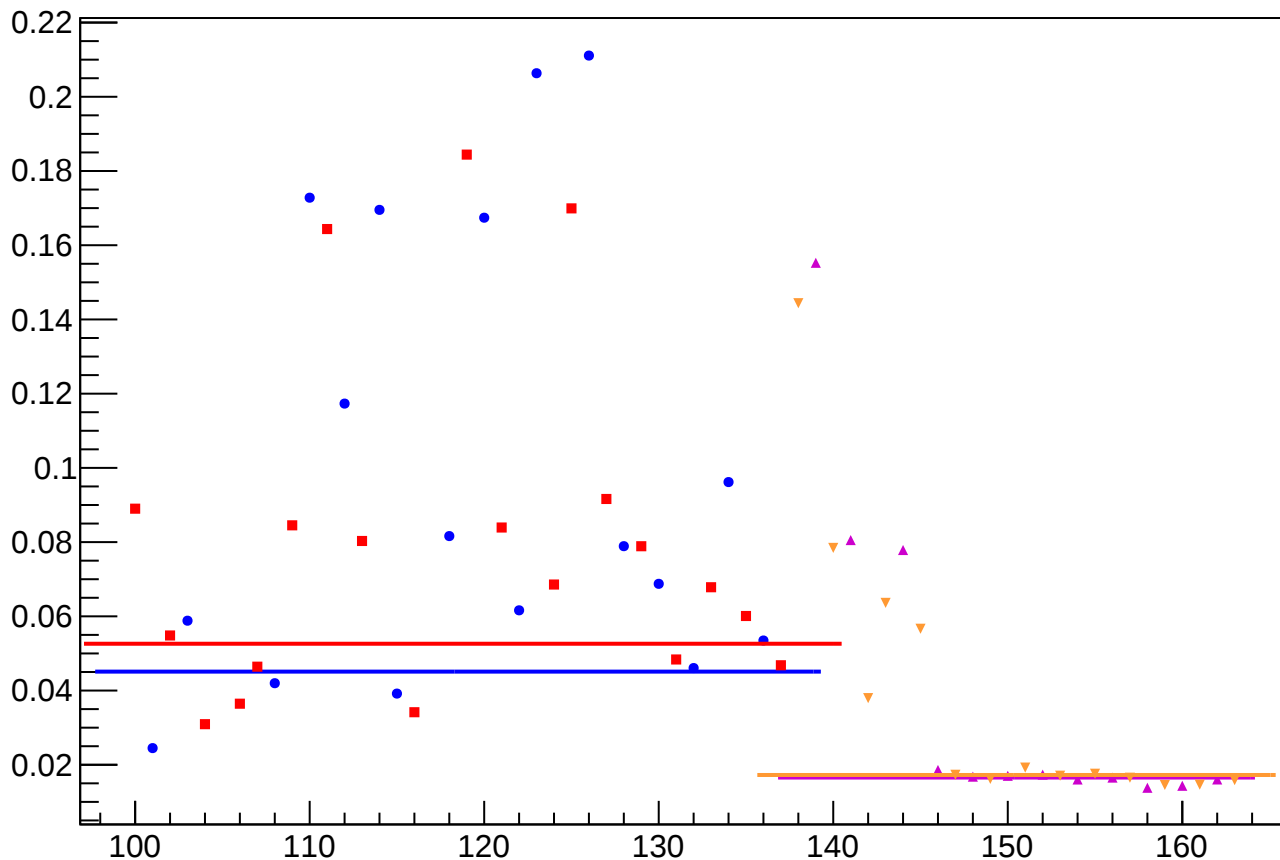
Left In: 1.738 $\pm$ 0.000 χ^2 /NDF: 23683215022.2/11

+ sign 1.636 $\pm$ 0.000 χ^2 /NDF: 26992663785.8/30

All: 1.651 $\pm$ 0.000 χ^2 /NDF: 53826628011.9/6

- sign 1.667 $\pm$ 0.000 χ^2 /NDF: 26821389706.8/30

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.017+/-0.000 χ^2/NDF :2728476.5/13

Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

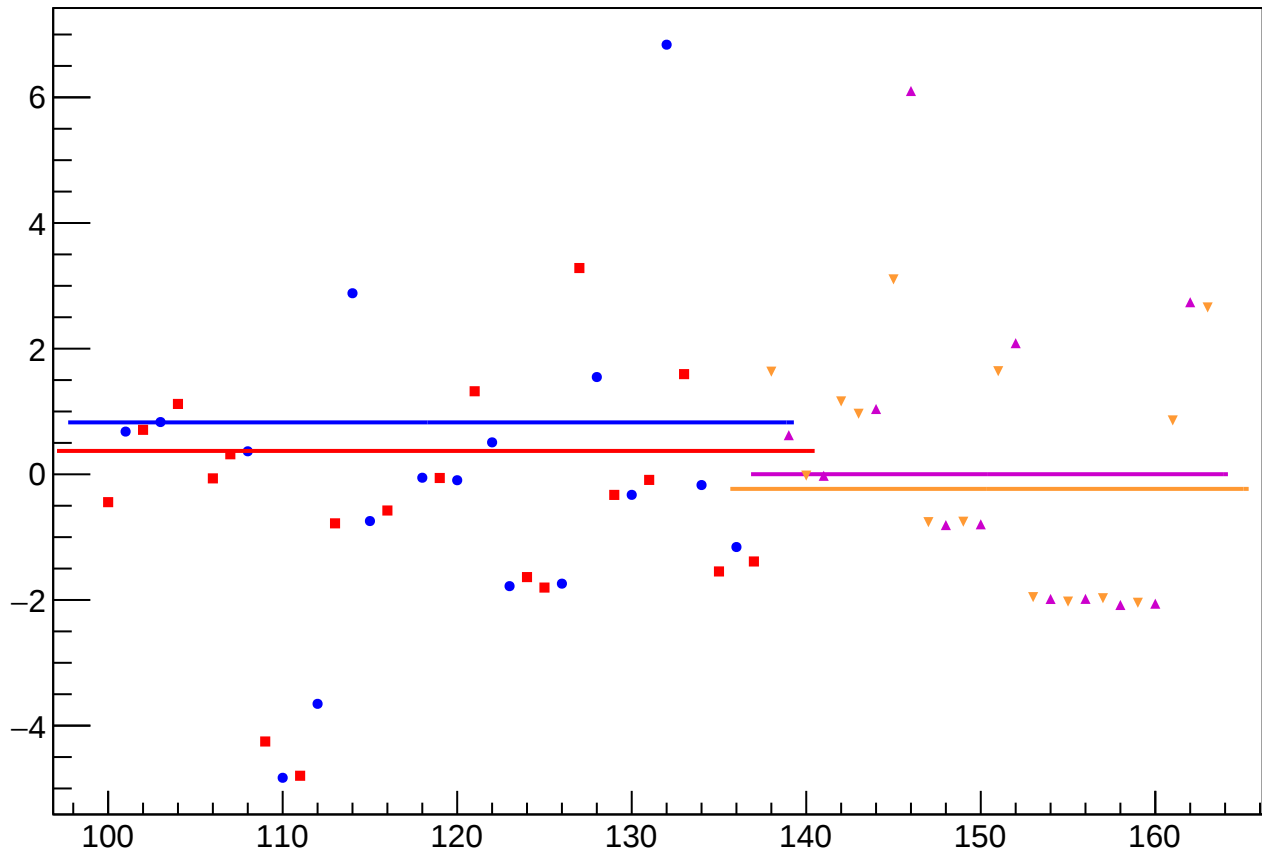
Left In: 0.017+/-0.000 χ^2/NDF :2325229.6/11

+ sign 0.019+/-0.000 χ^2/NDF : 8102820.5/30

All: 0.019+/-0.000 χ^2/NDF : 16286020.0/61

- sign 0.019+/-0.000 χ^2/NDF : 8175673.5/30

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 χ^2/NDF : 10936458870.4/16

Left Out: -0.232 ± 0.000 χ^2/NDF : 138709502387.8/13

Right Out: 0.372 ± 0.000 χ^2/NDF : 4972900338.2/18

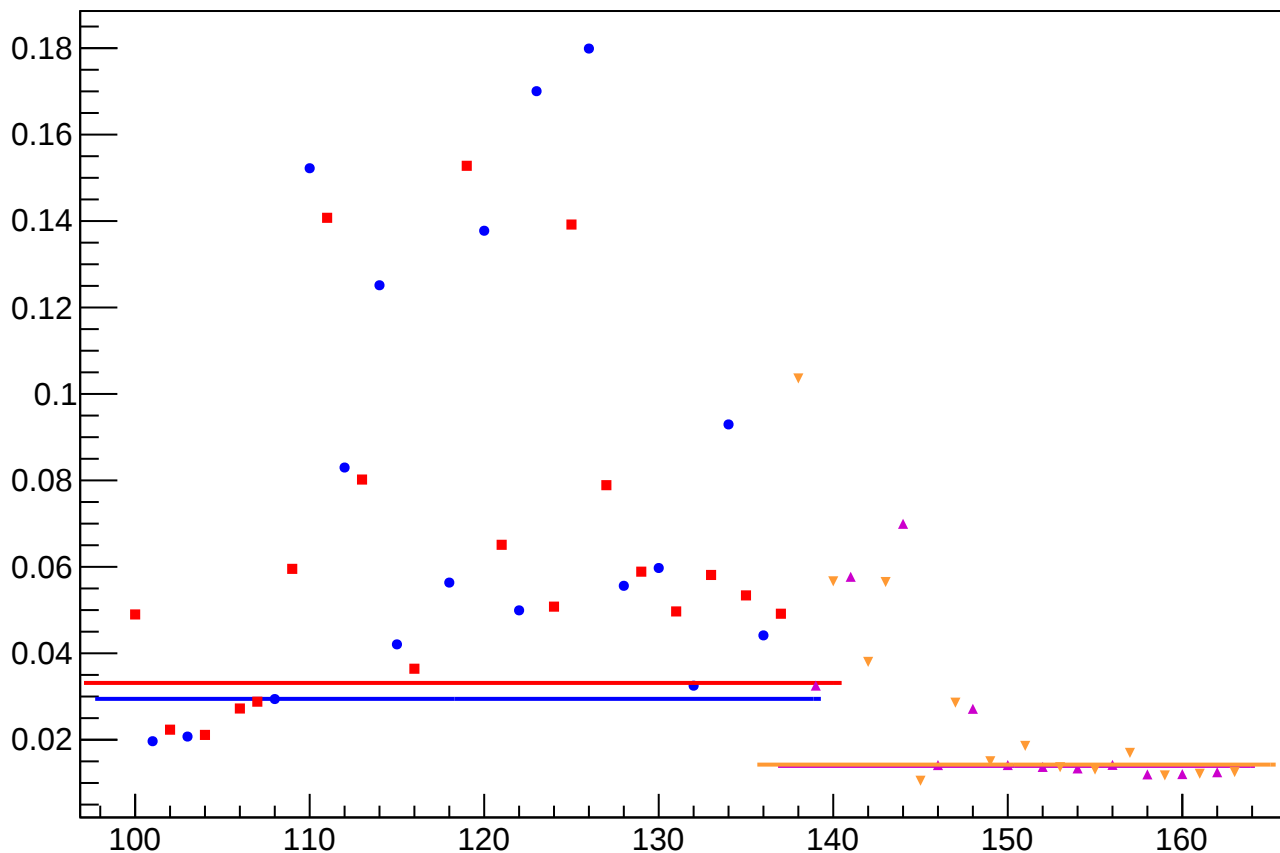
Left In: 0.002 ± 0.000 χ^2/NDF : 267363769535.3/11

+ sign -0.130 ± 0.000 χ^2/NDF : 153628234890.4/30

All: -0.048 ± 0.000 χ^2/NDF : 426947785744.3

- sign 0.033 ± 0.000 χ^2/NDF : 272776008389.2/30

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 : 2784049.2/13

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

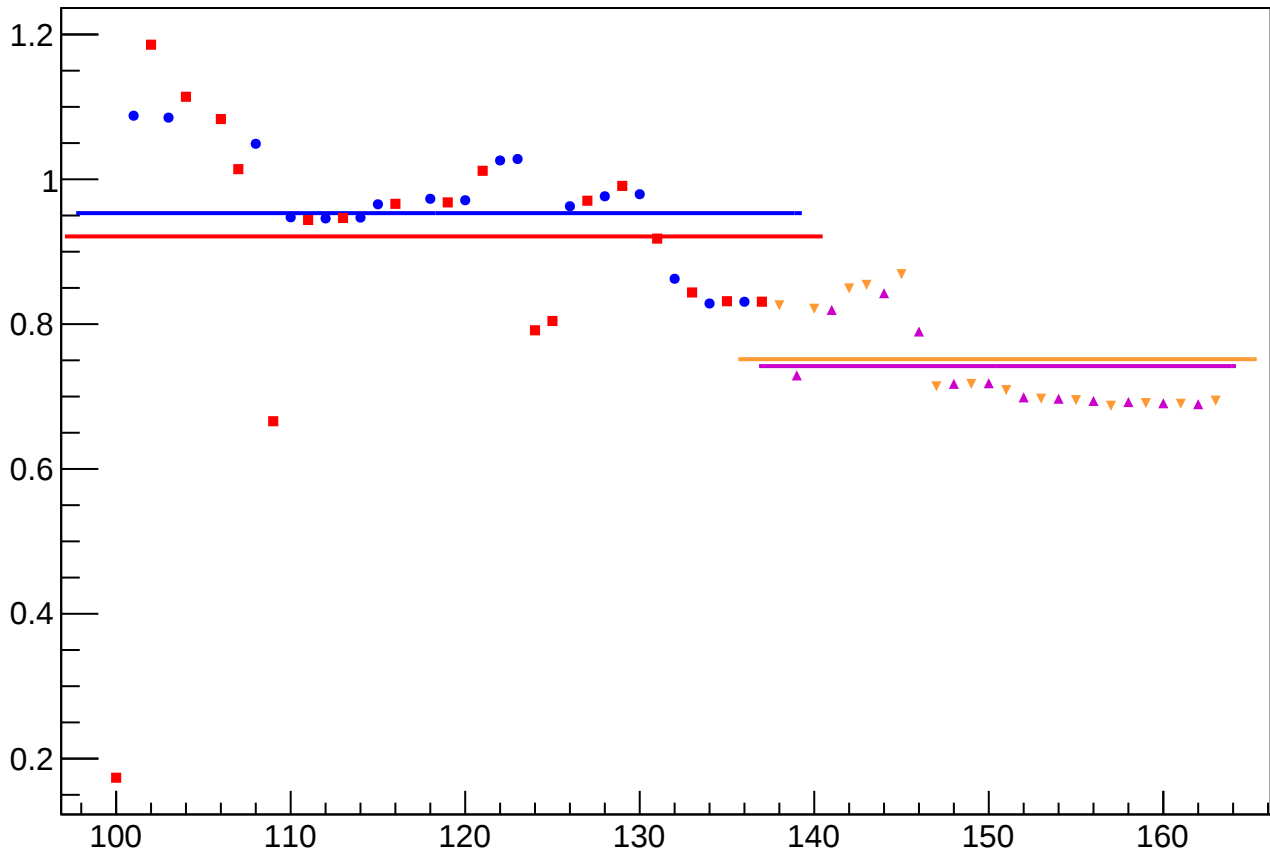
Left In: 0.014+/-0.000 χ^2/NDF : 1834693.9/11

+ sign 0.016+/-0.000 χ^2/NDF : 7482595.9/30

All: 0.016+/-0.000 χ^2/NDF : 14774881.7/61

- sign 0.016+/-0.000 χ^2/NDF : 7291495.5/30

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.752 $\pm$ 0.000 χ^2 /NDF: 249996619.7/13

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374221279.1/18

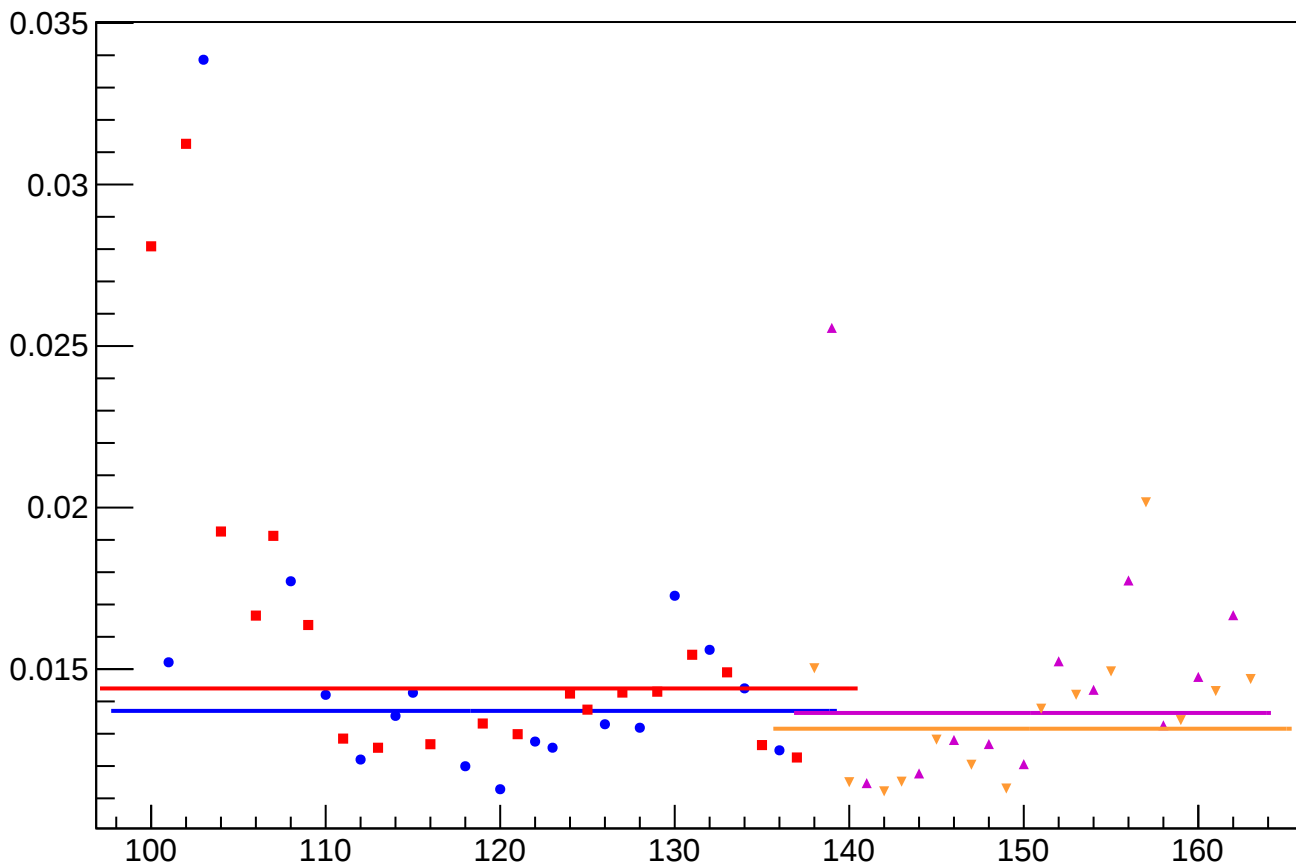
Left In: 0.742 $\pm$ 0.000 χ^2 /NDF: 149385591.8/11

+ sign 0.827 $\pm$ 0.000 χ^2 /NDF: 1215510247.1/30

All: 0.820 $\pm$ 0.000 χ^2 /NDF: 2320415004.9/63

- sign 0.812 $\pm$ 0.000 χ^2 /NDF: 1096494190.2/30

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 546317.6/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:341434.2/13

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

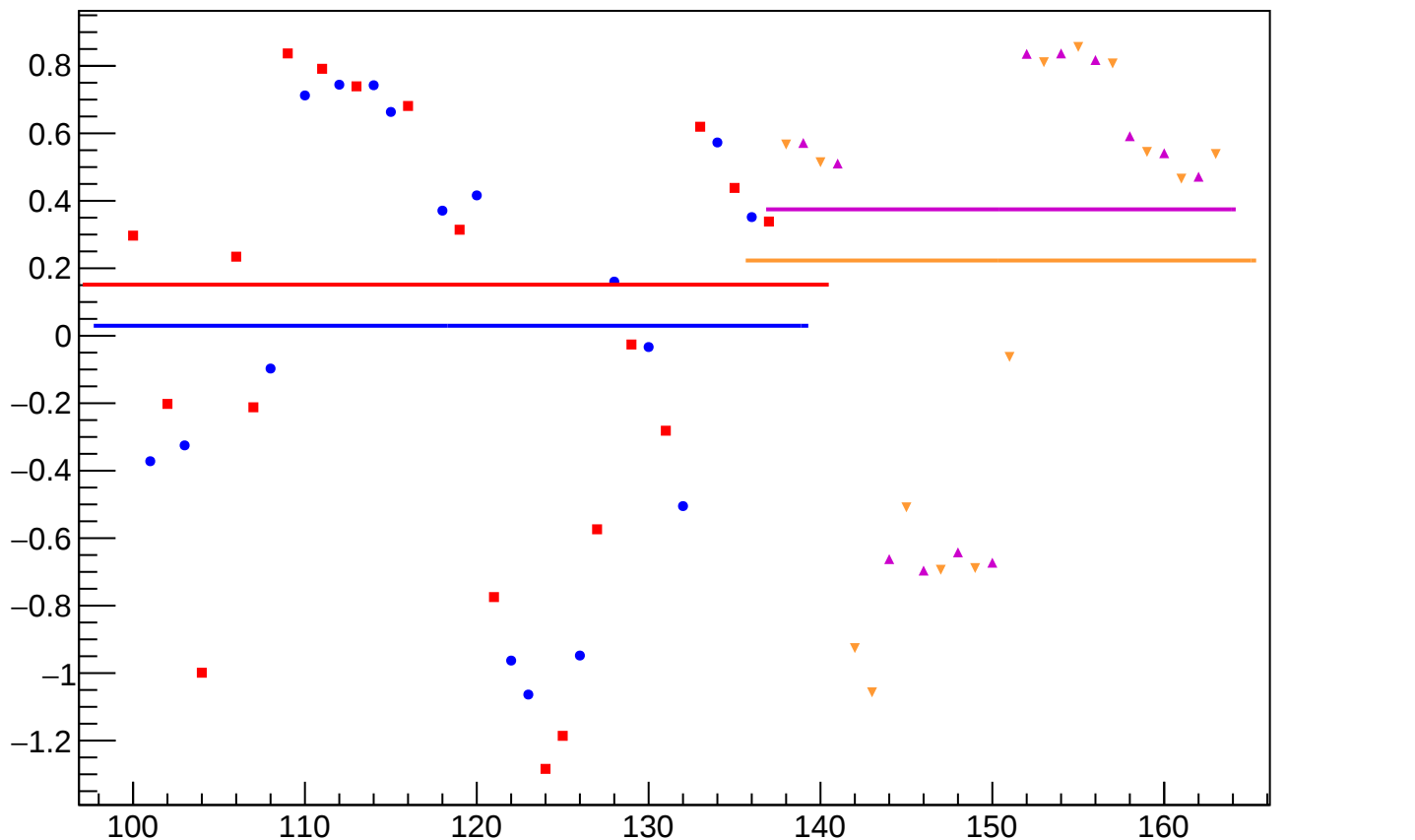
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:566162.8/11

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 899590.2/30

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2014506.1/61

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1088469.6/30

yield_bpm11Y_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.223 $\pm$ 0.000 χ^2 /NDF:23909261370.8/13

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12661812059.7/18

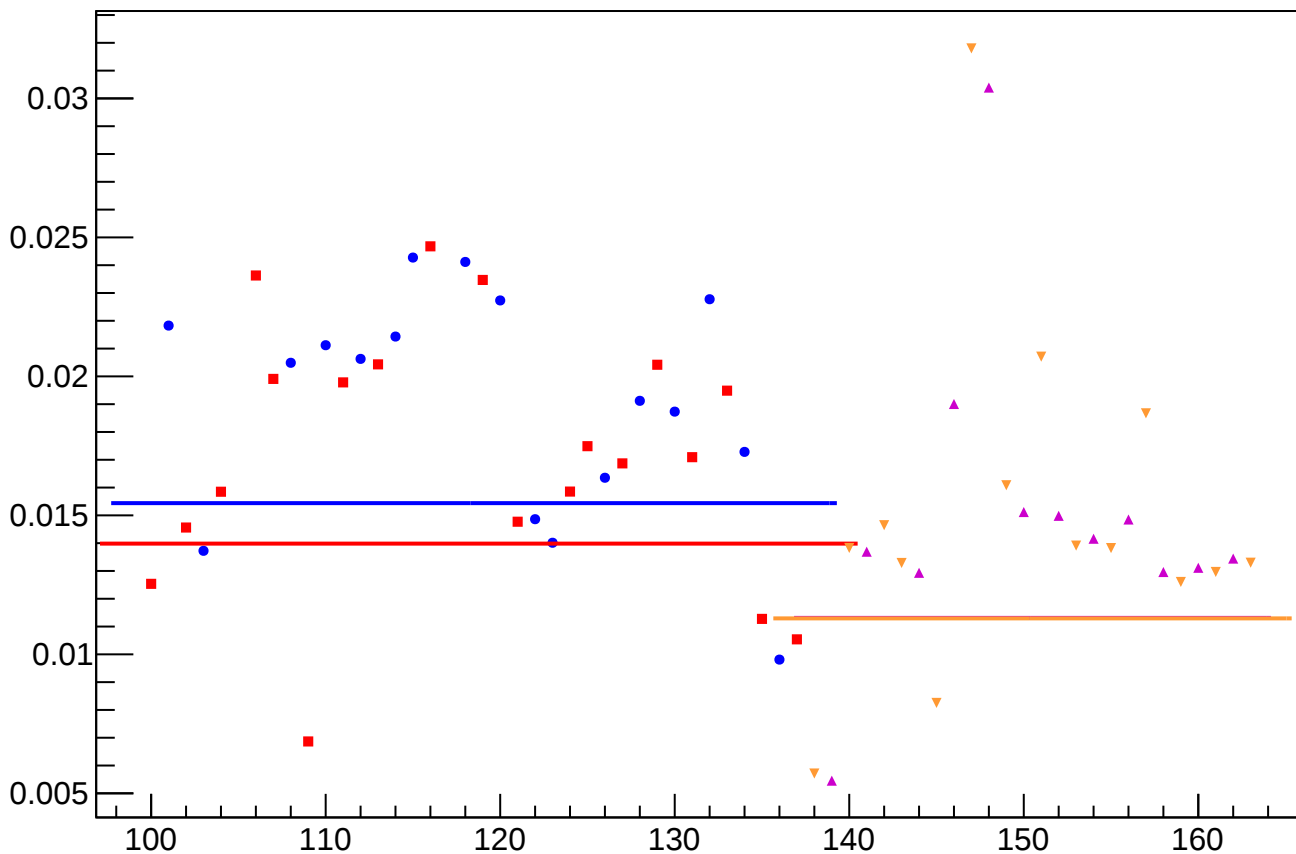
Left In: 0.375 $\pm$ 0.000 χ^2 /NDF:16055163709.8/11

+ sign 0.172 $\pm$ 0.000 χ^2 /NDF: 30856279846.6/30

All: 0.238 $\pm$ 0.000 χ^2 /NDF: 61325218919.9/6

- sign 0.304 $\pm$ 0.000 χ^2 /NDF: 29689165361.2/30

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.011+/-0.000 χ^2/NDF : 2874176.6/13

Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

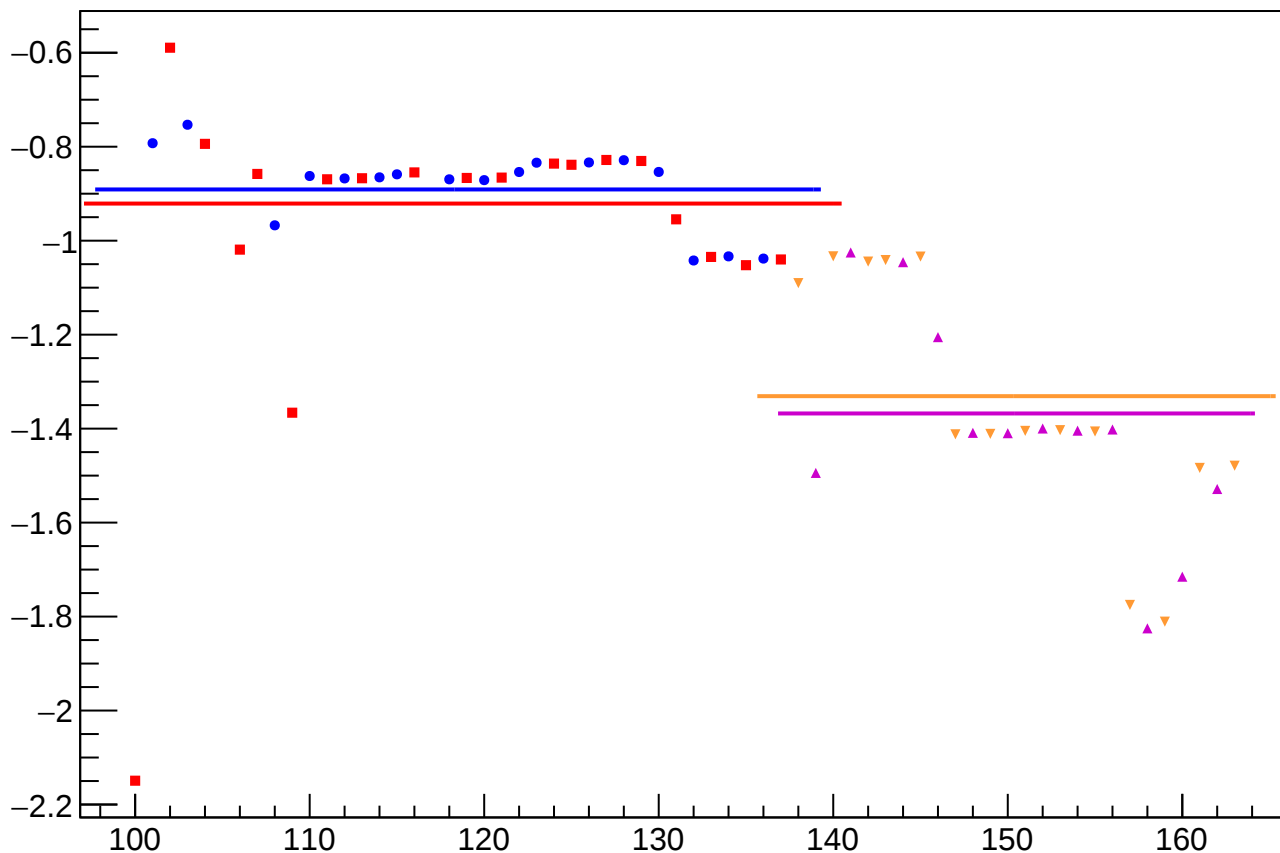
Left In: 0.011+/-0.000 χ^2/NDF : 2806528.2/11

+ sign 0.012+/-0.000 χ^2/NDF : 4635422.7/30

All: 0.012+/-0.000 χ^2/NDF : 9286316.7/61

- sign 0.012+/-0.000 χ^2/NDF : 4646097.6/30

yield_bpm12X_mean vs Slug



Right In: -0.891 ± 0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.331 ± 0.000 χ^2/NDF : 460772748.6/13

Right Out: -0.921 ± 0.000 χ^2/NDF : 131183059.9/18

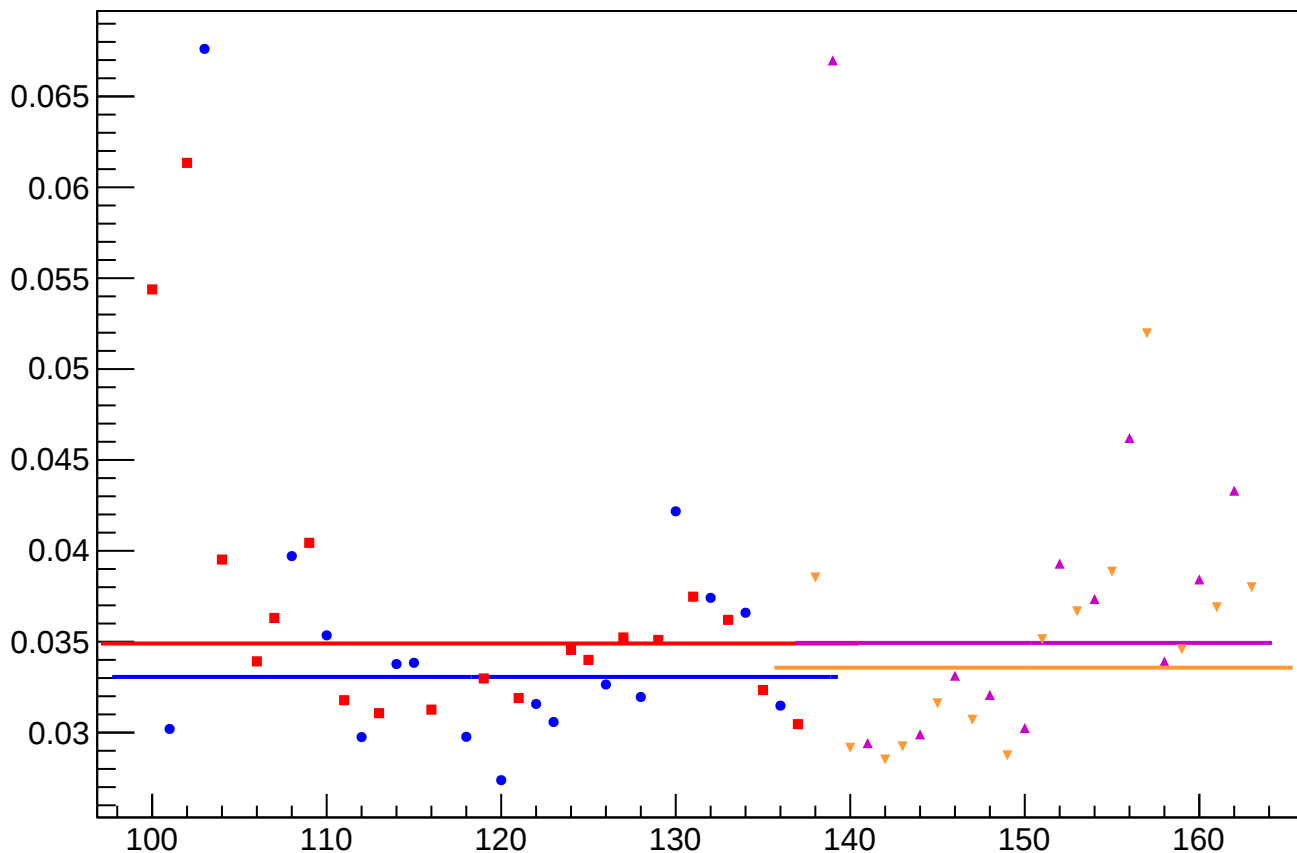
Left In: -1.368 ± 0.000 χ^2/NDF : 410912250.5/11

+ sign -1.153 ± 0.000 χ^2/NDF : 1120149811.5/30

All: -1.165 ± 0.000 χ^2/NDF : 2248893538.1/6

- sign -1.179 ± 0.000 χ^2/NDF : 1124559466.4/30

yield_bpm12X_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 409286.7/16

Left Out: 0.034 $\pm$ 0.000 χ^2 /NDF:372068.1/13

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 274270.8/18

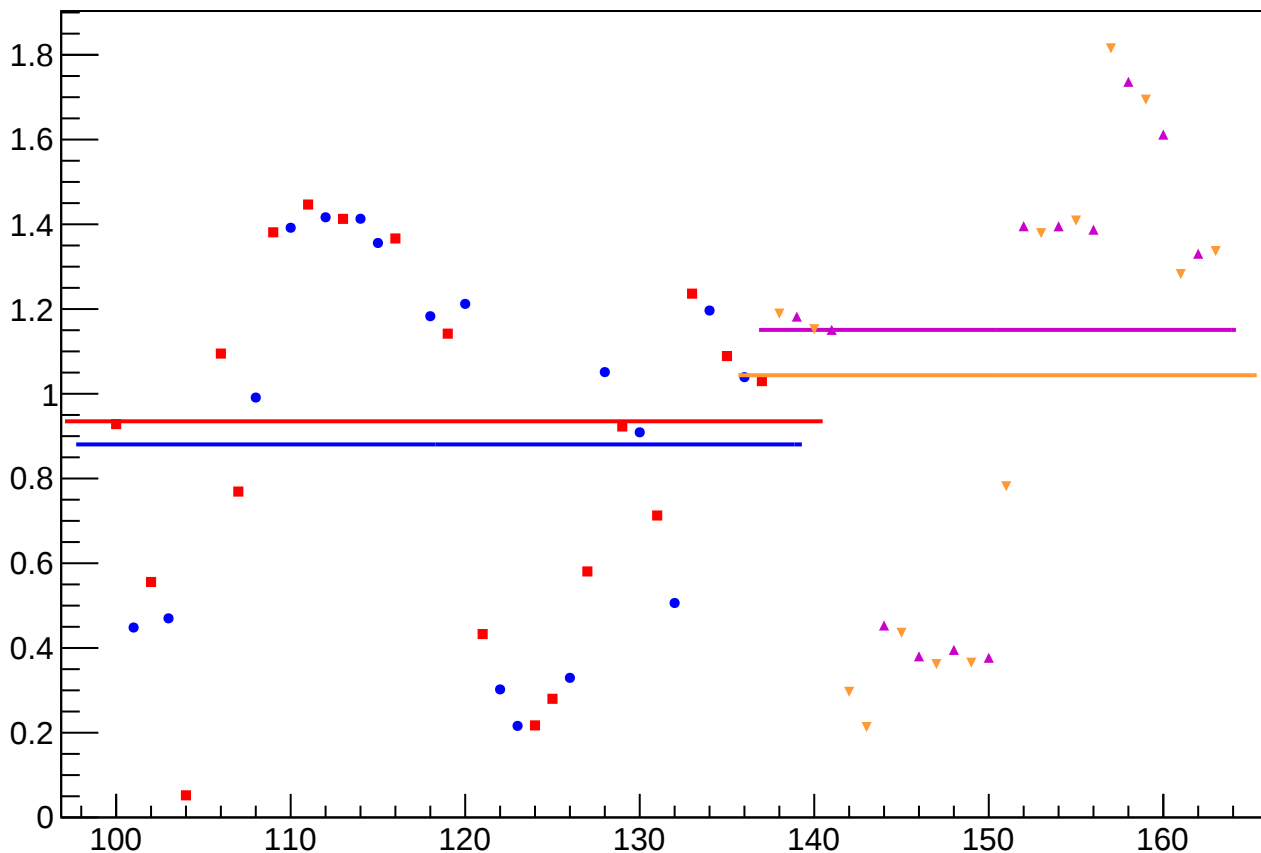
Left In: 0.035 $\pm$ 0.000 χ^2 /NDF:617609.1/11

+ sign 0.033 $\pm$ 0.000 χ^2 /NDF: 783013.5/30

All: 0.034 $\pm$ 0.000 χ^2 /NDF: 1705368.3/61

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 891886.2/30

yield_bpm12Y_mean vs Slug



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 1.044 $\pm$ 0.000 χ^2 /NDF: 29388445877.4/13

Right Out: 0.935 $\pm$ 0.000 χ^2 /NDF: 9833525935.6/18

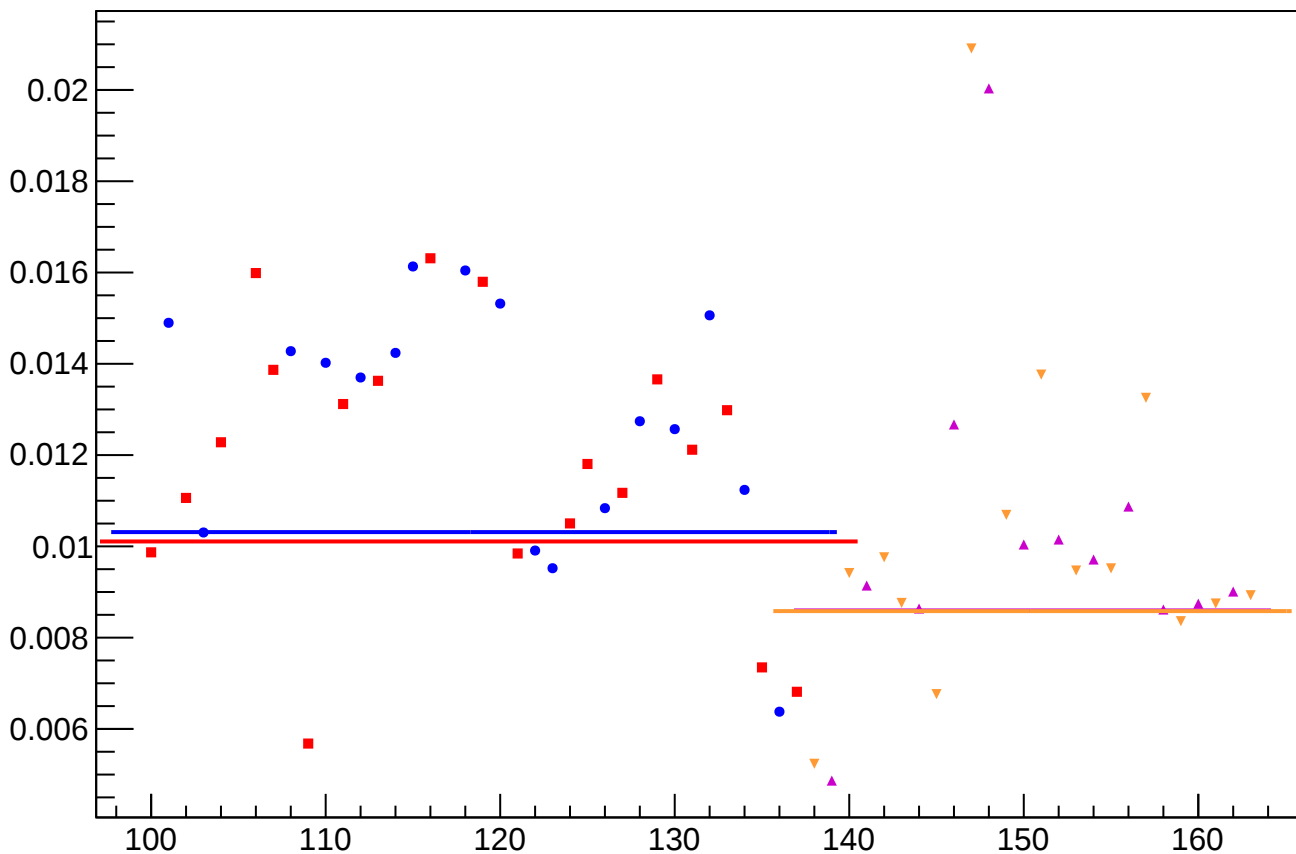
Left In: 1.151 $\pm$ 0.000 χ^2 /NDF: 21728382453.2/11

+ sign 0.995 $\pm$ 0.000 χ^2 /NDF: 36775939957.1/30

All: 1.037 $\pm$ 0.000 χ^2 /NDF: 70737476028.8/6

- sign 1.079 $\pm$ 0.000 χ^2 /NDF: 33341582069.0/30

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: 1655633.6/13

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

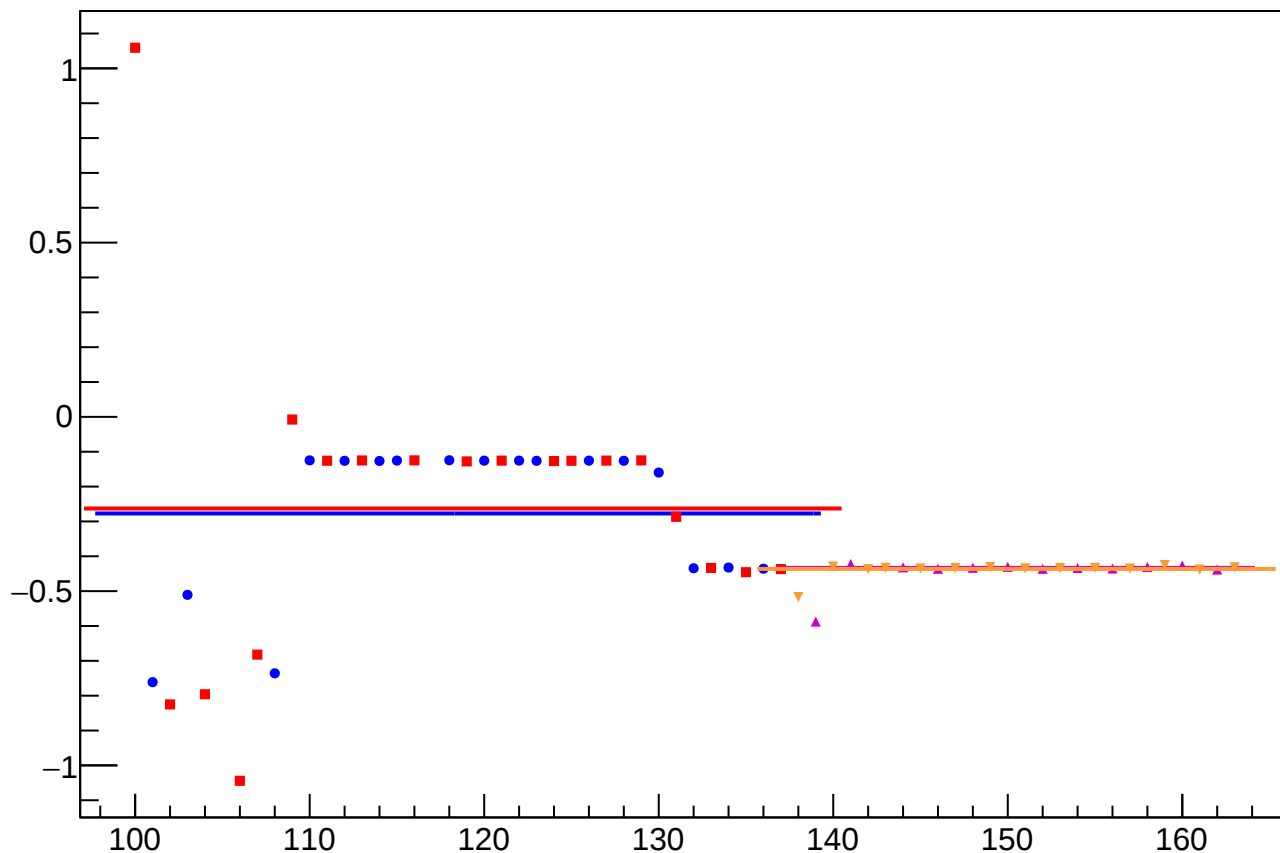
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1557248.6/11

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3108650.7/30

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6018933.2/61

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2910282.4/30

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 : 25595877.1/13

Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

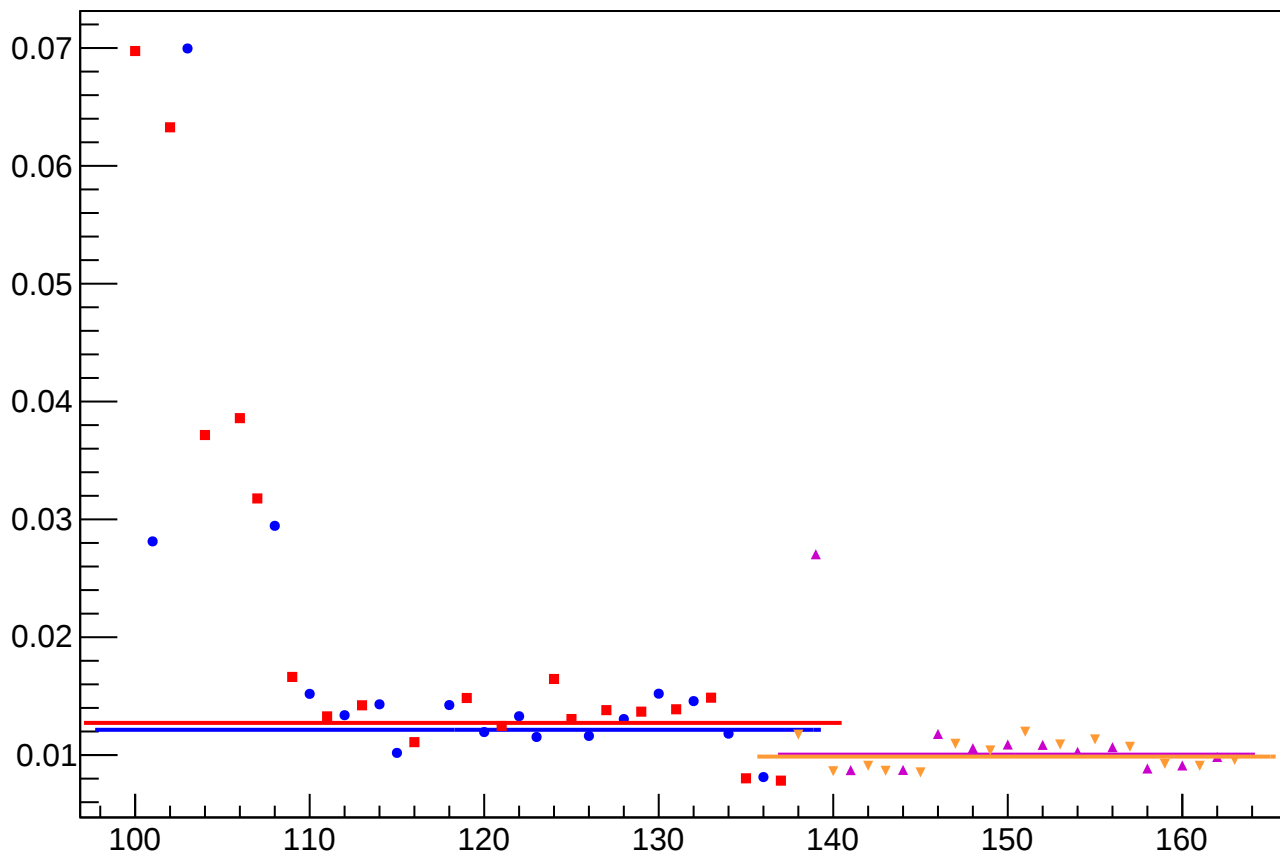
Left In: -0.433 ± 0.000 χ^2/NDF : 23350215.6/11

+ sign -0.394 ± 0.000 χ^2/NDF : 1560610465.7/30

All: -0.390 ± 0.000 χ^2/NDF : 3226161103.9/6

- sign -0.387 ± 0.000 χ^2/NDF : 1662358756.8/30

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:224039.8/13

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1969165.0/18

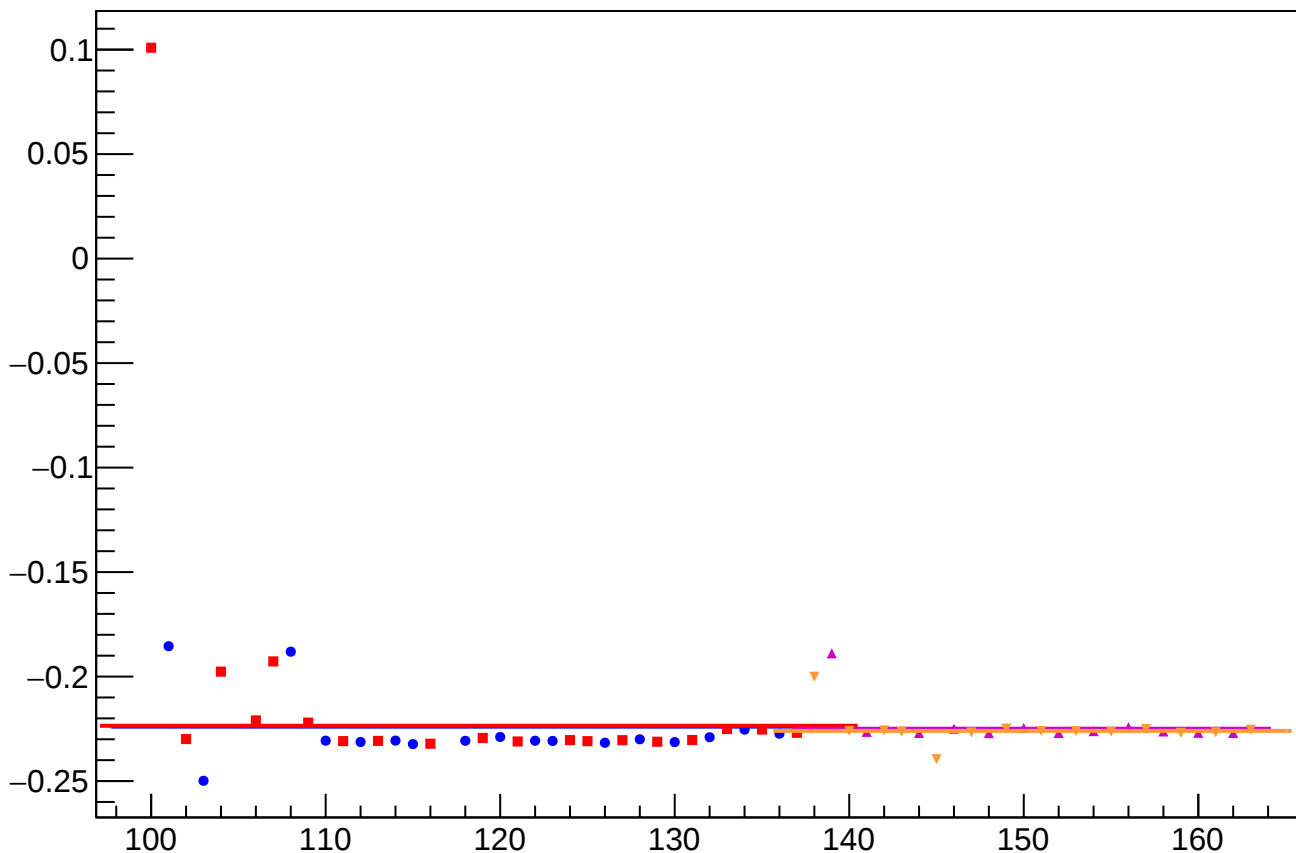
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:680266.7/11

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2194483.9/30

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5169119.7/61

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2964151.5/30

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 : 20582952.8/13

Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

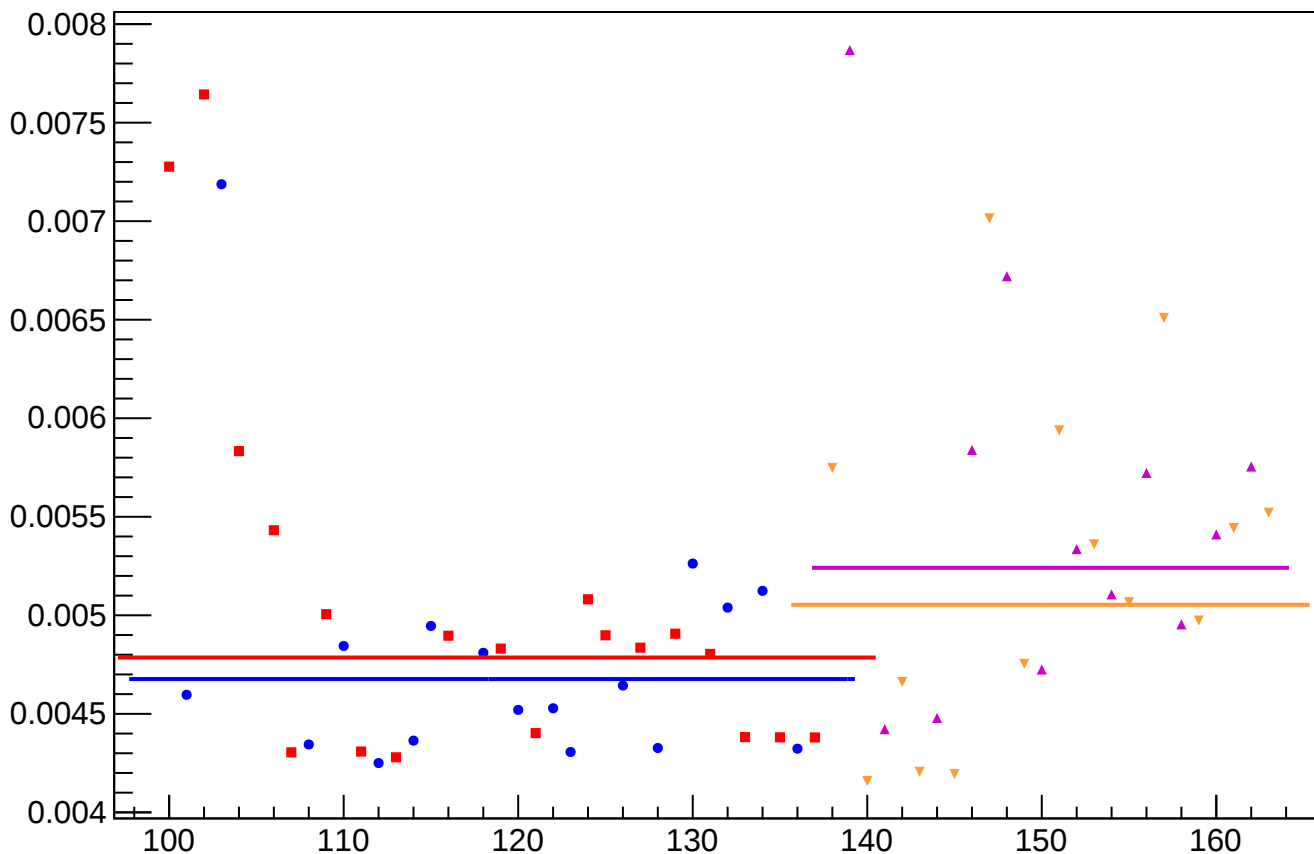
Left In: -0.225+/-0.000 χ^2/NDF : 14244651.2/11

+ sign -0.225+/-0.000 χ^2/NDF : 95951725.4/30

All: -0.225+/-0.000 χ^2/NDF : 278832540.6/61

- sign -0.224+/-0.000 χ^2/NDF : 182672296.2/30

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 : 445172.3/13

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

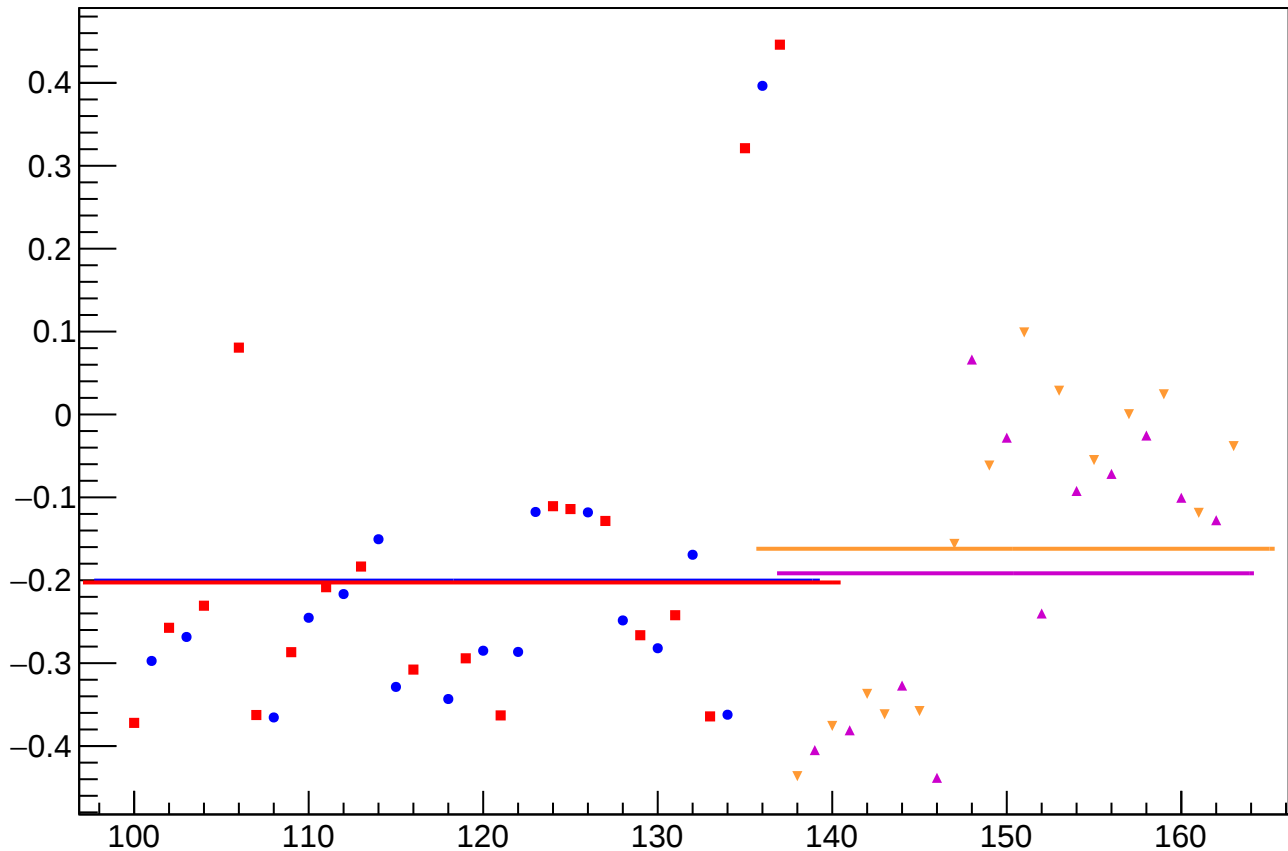
Left In: 0.005+/-0.000 χ^2/NDF : 381363.6/11

+ sign 0.005+/-0.000 χ^2/NDF : 671716.9/30

All: 0.005+/-0.000 χ^2/NDF : 1375752.4/61

- sign 0.005+/-0.000 χ^2/NDF : 692070.7/30

yield_bpm0i02X_mean vs Slug



Right In: -0.200+/-0.000 χ^2 /NDF: 5973556486.0/16

Left Out: -0.162+/-0.000 χ^2 /NDF: 10816003561.5/13

Right Out: -0.203+/-0.000 χ^2 /NDF: 5028268807.1/18

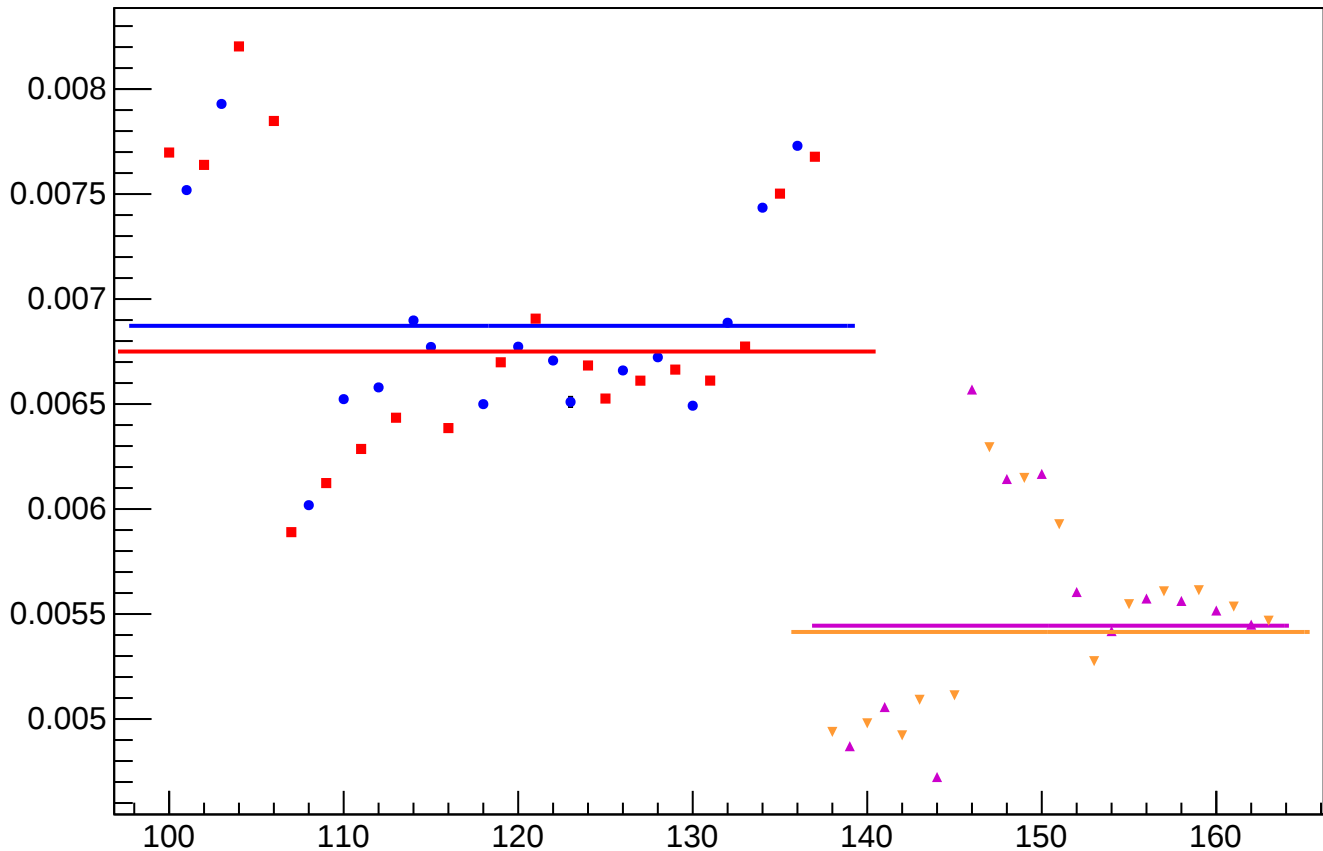
Left In: -0.192+/-0.000 χ^2 /NDF: 7397567278.1/11

+ sign -0.173+/-0.000 χ^2 /NDF: 16934356097.7/30

All: -0.184+/-0.000 χ^2 /NDF: 29483850681.8/30

- sign -0.195+/-0.000 χ^2 /NDF: 12438103889.0/30

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 : 105535.0/13

Right Out: 0.007+/-0.000 χ^2/NDF : 105124.4/18

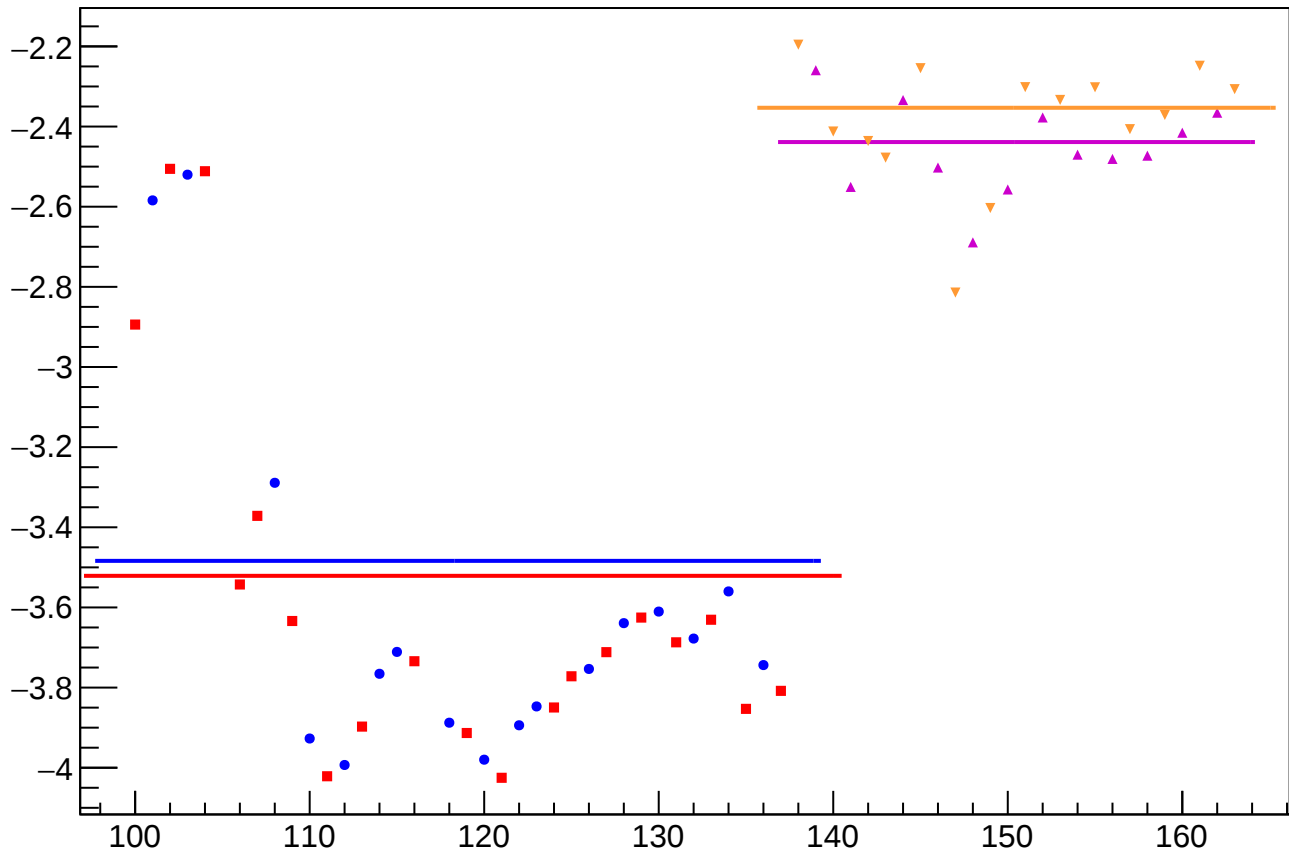
Left In: 0.005+/-0.000 χ^2/NDF : 143886.2/11

+ sign 0.006+/-0.000 χ^2/NDF : 600650.1/30

All: 0.006+/-0.000 χ^2/NDF : 1192909.4/61

- sign 0.006+/-0.000 χ^2/NDF : 591660.5/30

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.353+/-0.000 χ^2/NDF : 1652729378.9/13

Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

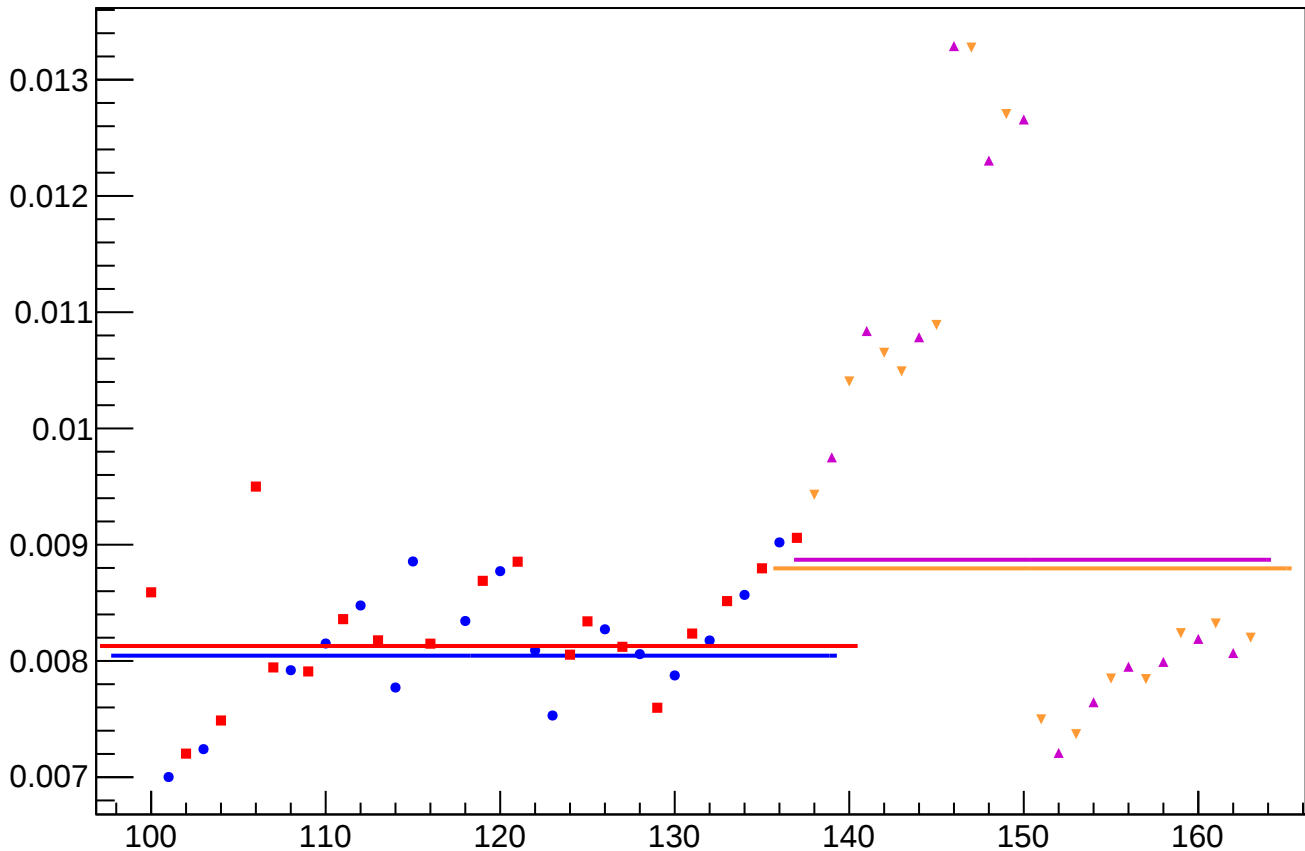
Left In: -2.439+/-0.000 χ^2/NDF : 932105661.9/11

+ sign -2.862+/-0.000 χ^2/NDF : 99480990819.6/30

All: -2.909+/-0.000 χ^2/NDF : 190397807742.0

- sign -2.958+/-0.000 χ^2/NDF : 89921142935.8/30

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 : 581610.0/13

Right Out: 0.008+/-0.000 χ^2/NDF : 57478.2/18

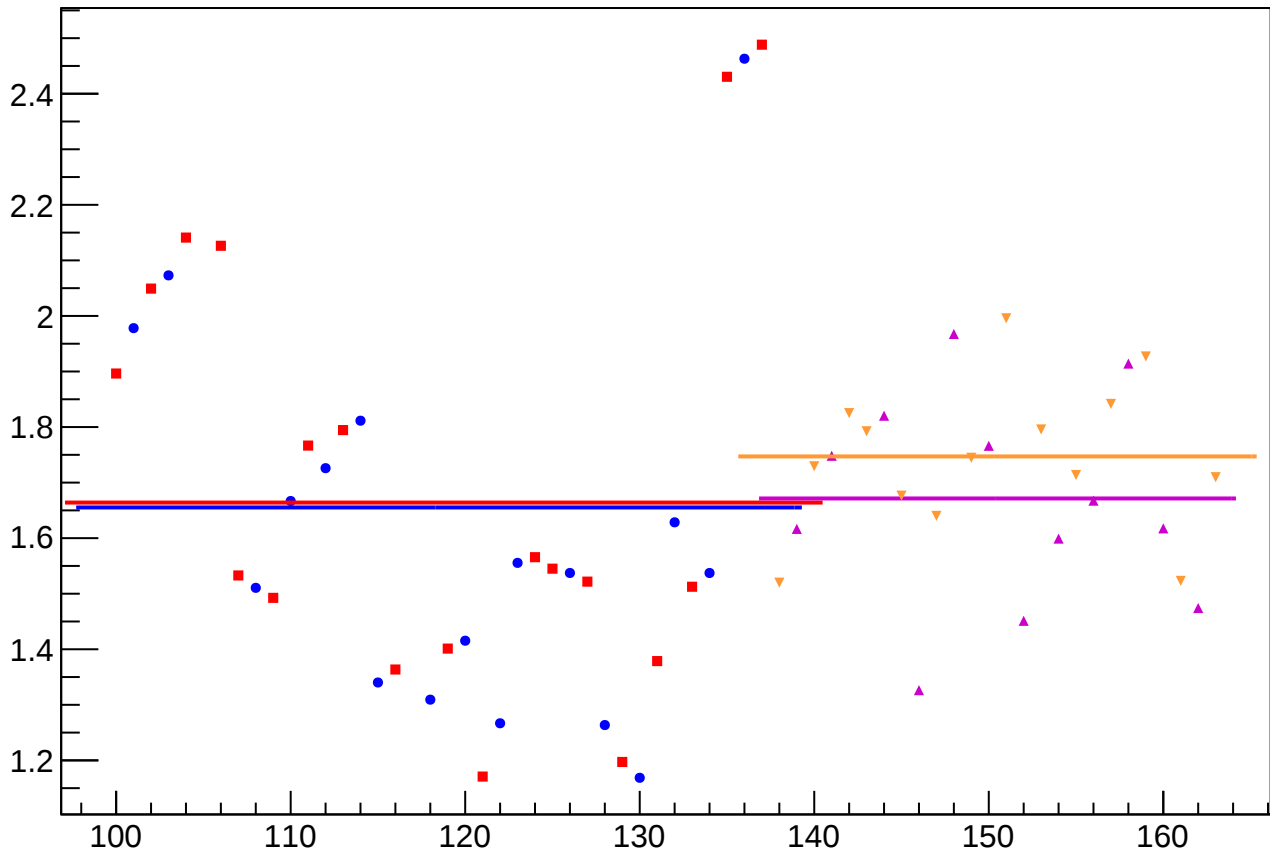
Left In: 0.009+/-0.000 χ^2/NDF : 683865.7/11

+ sign 0.008+/-0.000 χ^2/NDF : 715936.7/30

All: 0.008+/-0.000 χ^2/NDF : 1516701.4/61

- sign 0.009+/-0.000 χ^2/NDF : 800063.8/30

yield_bpm0i02aX_mean vs Slug



Right In: 1.655 $\pm$ 0.000 χ^2 /NDF: 6476474909.3/16

Left Out: 1.747 $\pm$ 0.000 χ^2 /NDF:1503267054.5/13

Right Out: 1.664 $\pm$ 0.000 χ^2 /NDF: 5944262279.7/18

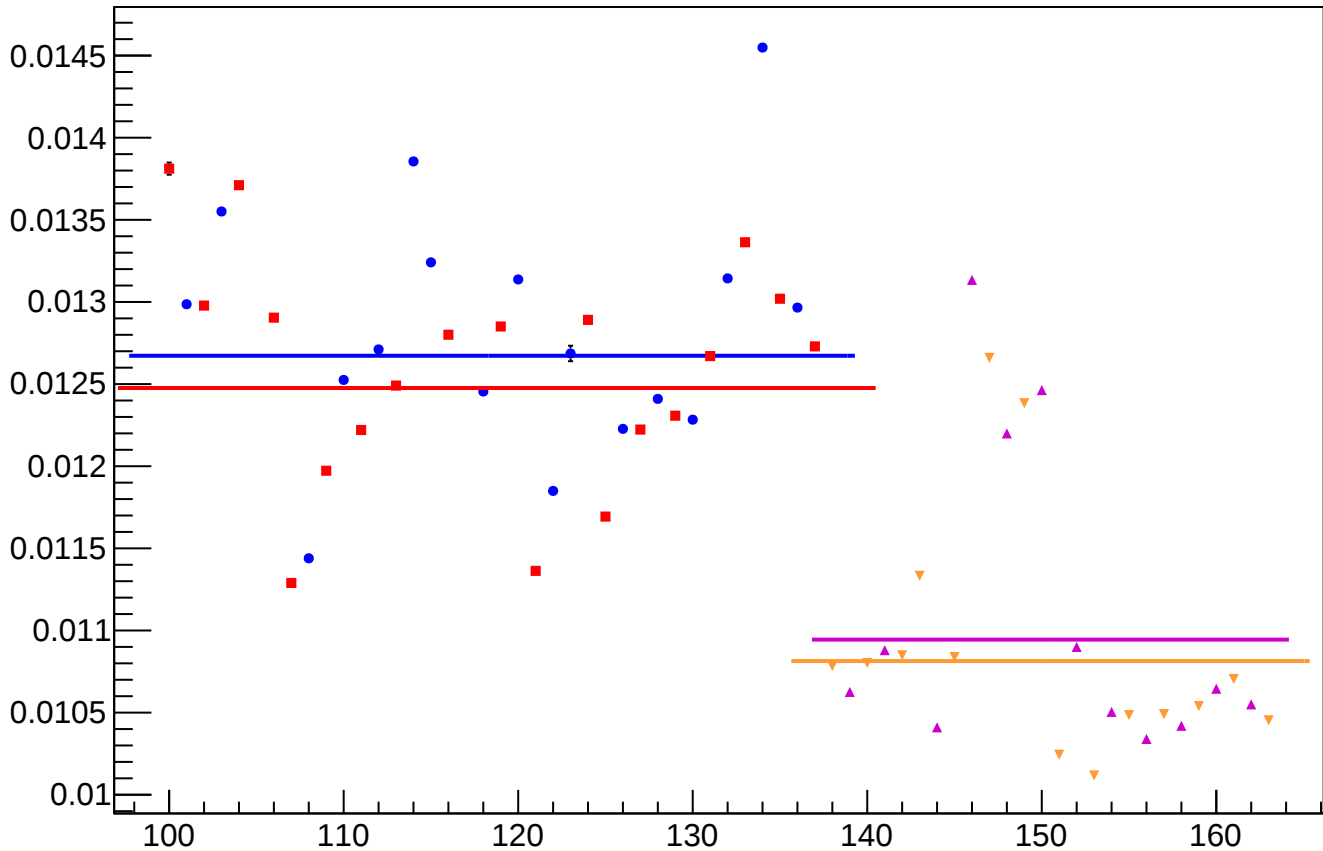
Left In: 1.671 $\pm$ 0.000 χ^2 /NDF:2242039907.4/11

+ sign 1.717 $\pm$ 0.000 χ^2 /NDF: 8212636911.4/30

All: 1.694 $\pm$ 0.000 χ^2 /NDF: 16545525195.8/6

- sign 1.669 $\pm$ 0.000 χ^2 /NDF: 8187819231.4/30

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 : 74567.0/13

Right Out: 0.012+/-0.000 χ^2/NDF : 39134.8/18

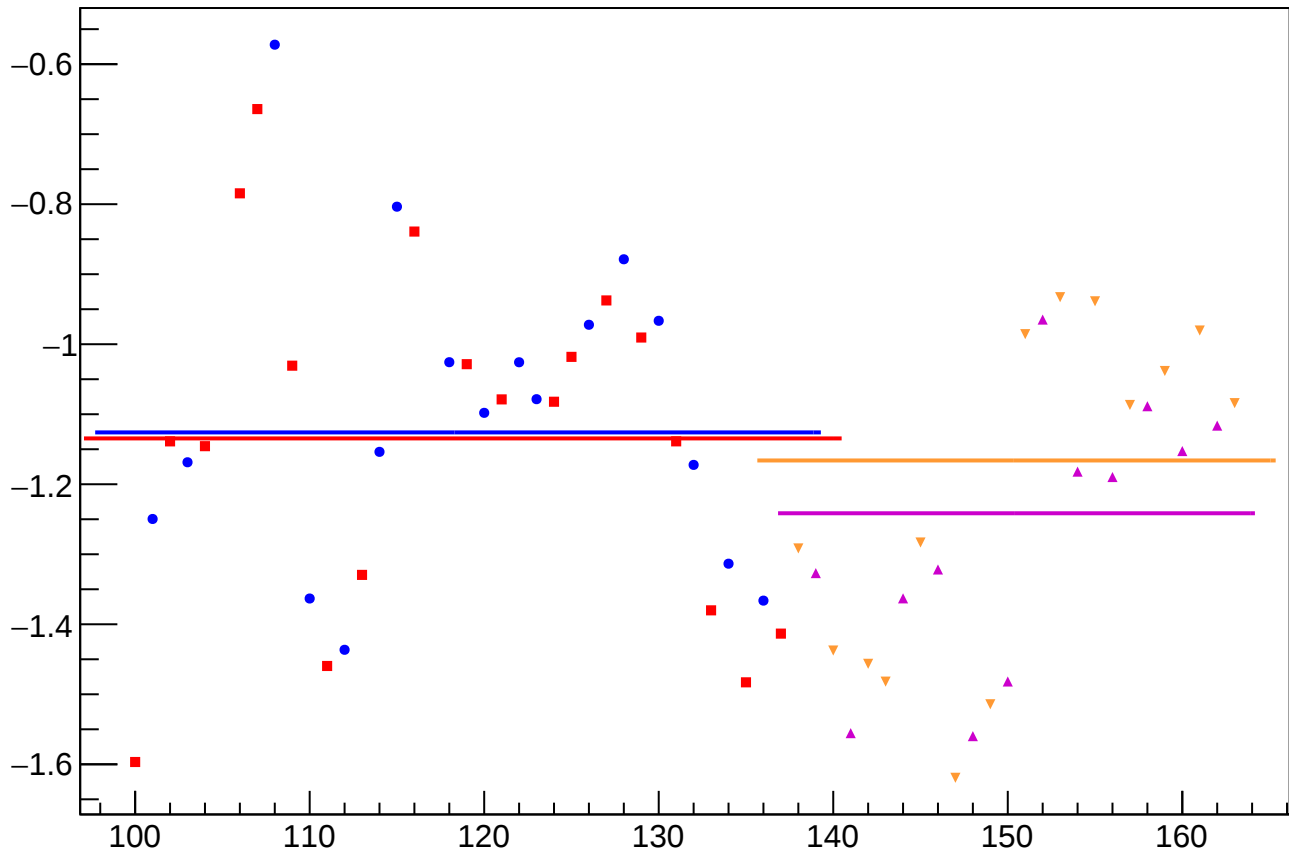
Left In: 0.011+/-0.000 χ^2/NDF : 98589.1/11

+ sign 0.011+/-0.000 χ^2/NDF : 296957.4/30

All: 0.011+/-0.000 χ^2/NDF : 566962.5/61

- sign 0.012+/-0.000 χ^2/NDF : 269002.6/30

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.166+/-0.000 χ^2/NDF : 7023917905.3/13

Right Out: -1.135+/-0.000 χ^2/NDF : 3677461023.4/18

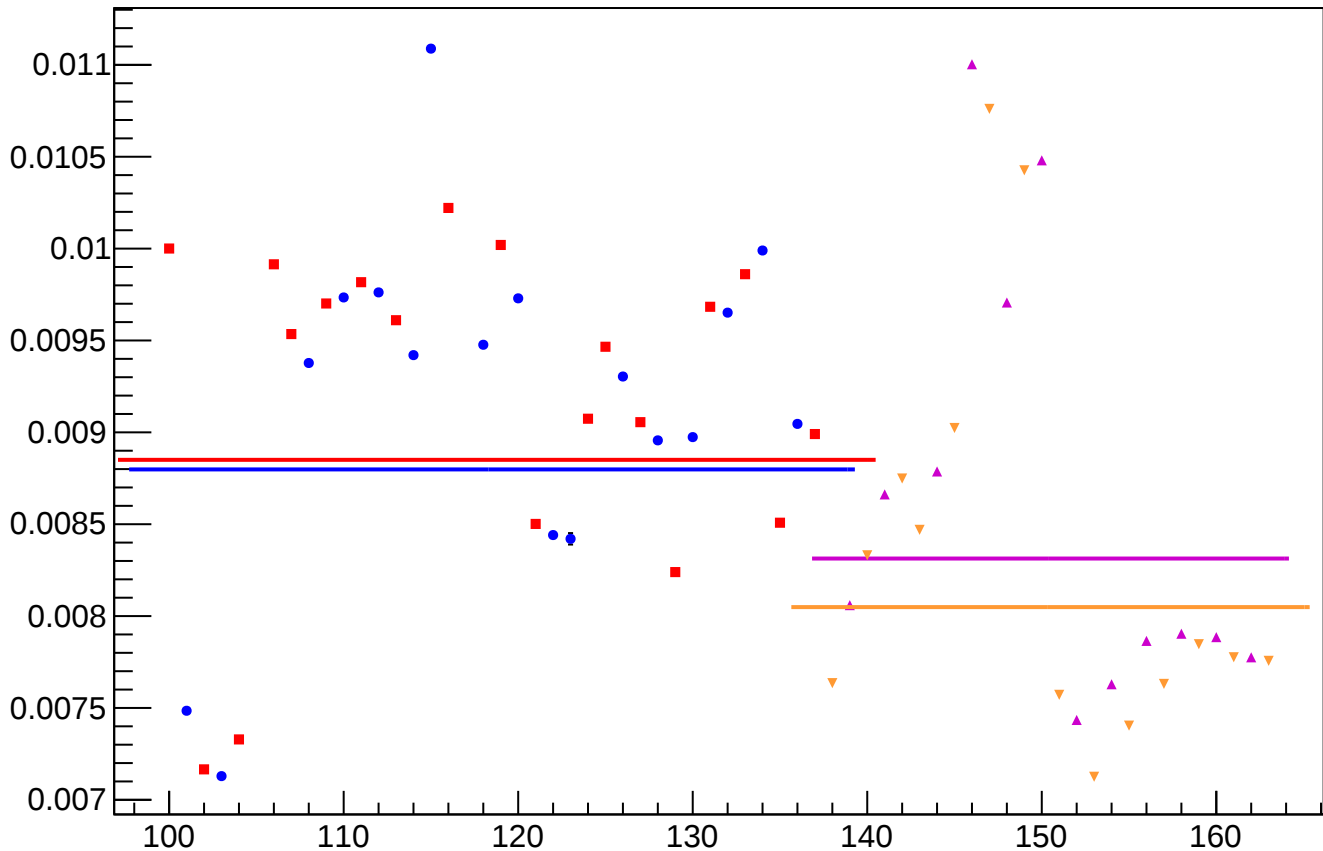
Left In: -1.241+/-0.000 χ^2/NDF : 4212465839.2/11

+ sign -1.152+/-0.000 χ^2/NDF : 10683453646.9/30

All: -1.174+/-0.000 χ^2/NDF : 19404339024.3/30

- sign -1.199+/-0.000 χ^2/NDF : 8472489047.4/30

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 :229594.5/13

Right Out: 0.009+/-0.000 χ^2/NDF : 173958.0/18

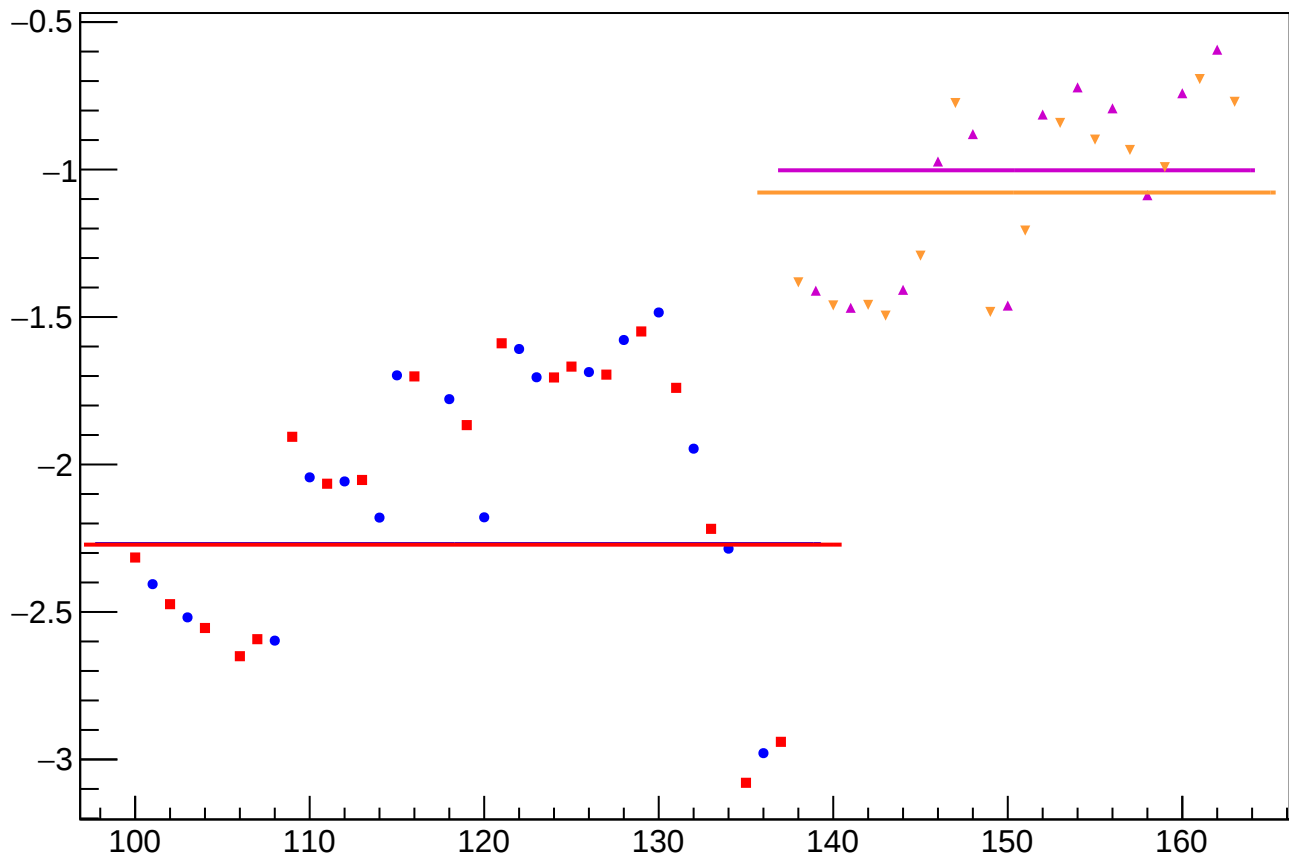
Left In: 0.008+/-0.000 χ^2/NDF :228581.7/11

+ sign 0.008+/-0.000 χ^2/NDF : 440426.6/30

All: 0.008+/-0.000 χ^2/NDF : 881925.4/61

- sign 0.009+/-0.000 χ^2/NDF : 431962.1/30

yield_bpm0i05X_mean vs Slug



Right In: -2.270 ± 0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.078 ± 0.000 χ^2/NDF : 16008669369.9/13

Right Out: -2.272 ± 0.000 χ^2/NDF : 19009331715.4/18

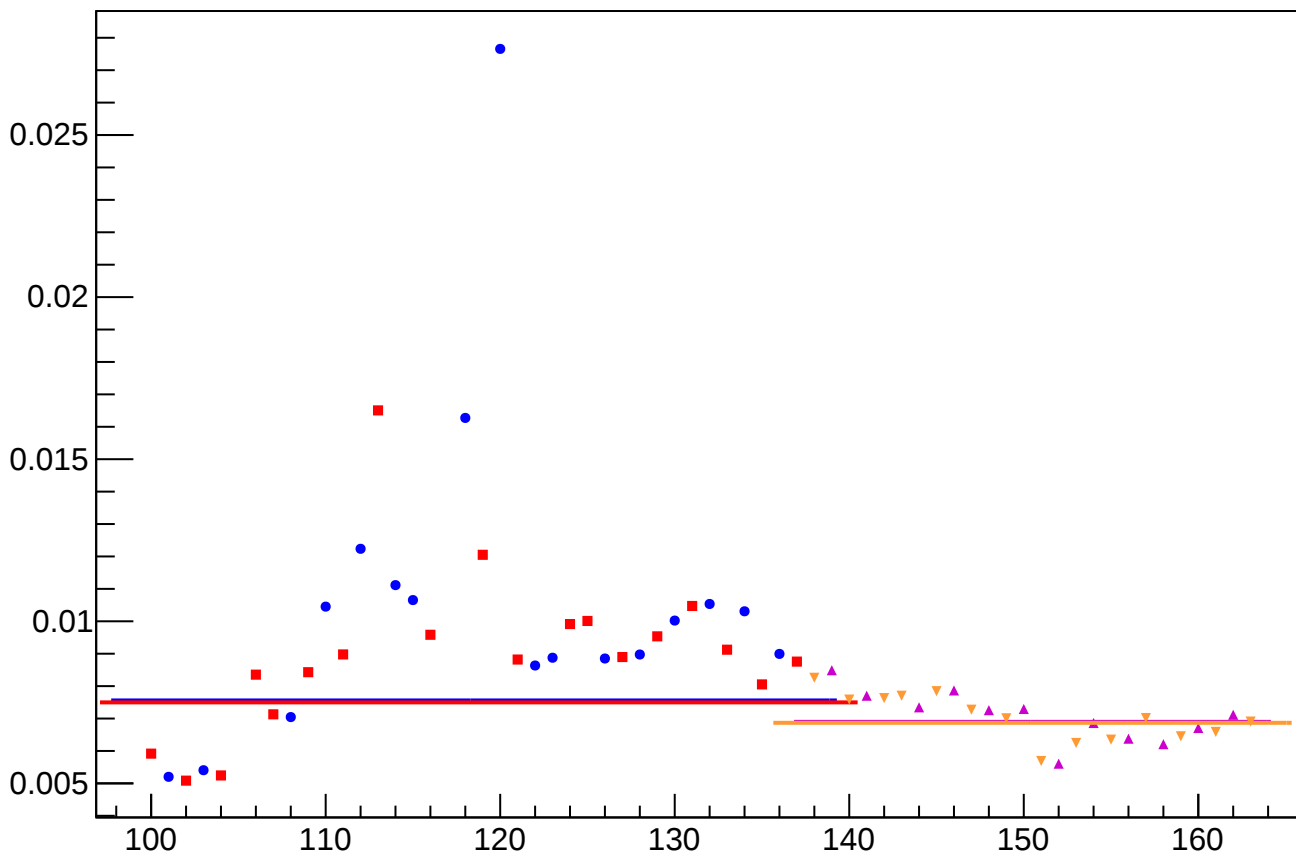
Left In: -1.003 ± 0.000 χ^2/NDF : 16850611578.1/11

+ sign -1.443 ± 0.000 χ^2/NDF : 120253992703.2/30

All: -1.443 ± 0.000 χ^2/NDF : 260666478009.5

- sign -1.444 ± 0.000 χ^2/NDF : 140412055178.1/30

yield_bpm0i05X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1221004.0/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:189725.3/13

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 933998.1/18

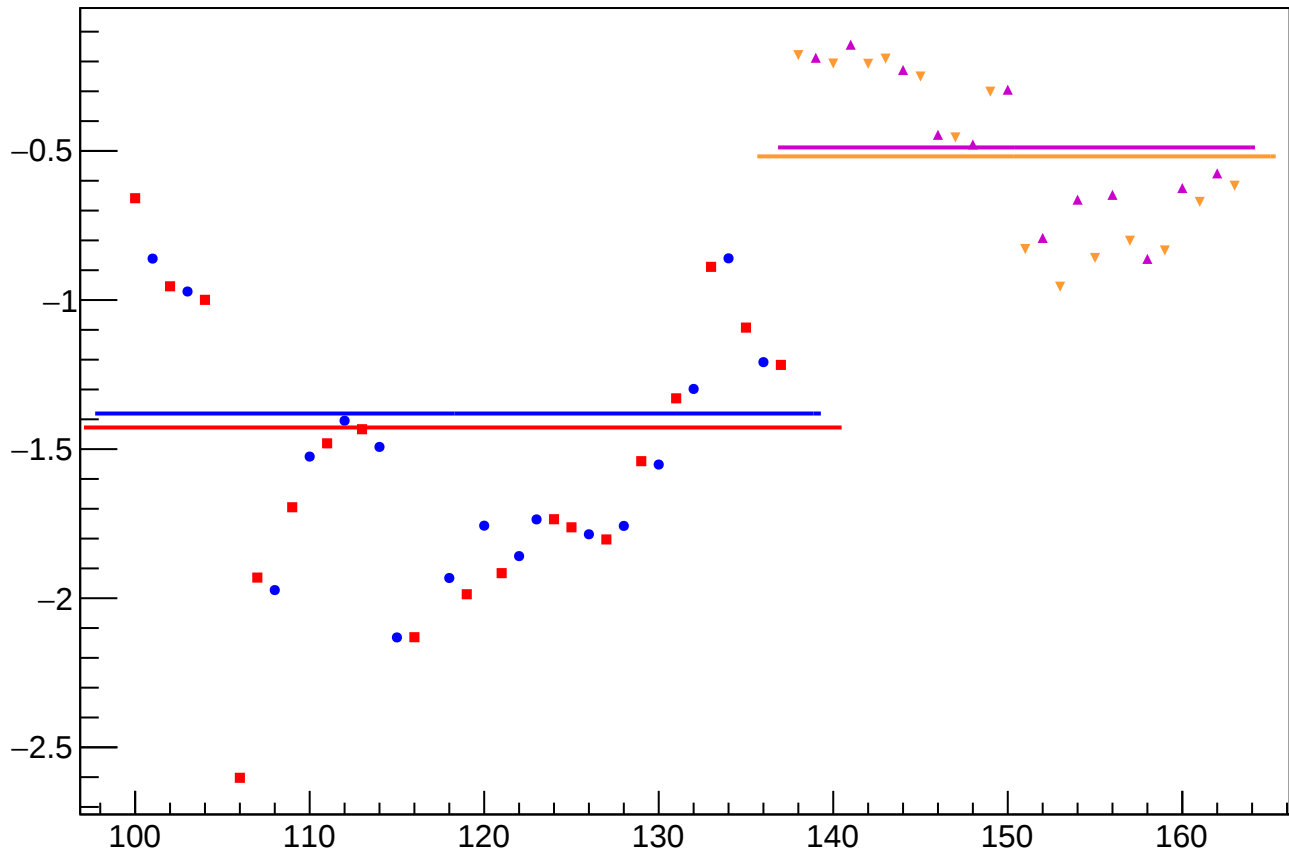
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:210495.3/11

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1468849.1/30

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 2660401.7/61

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1191340.6/30

yield_bpm0i05Y_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.518+/-0.000 χ^2/NDF : 44307741538.9/13

Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

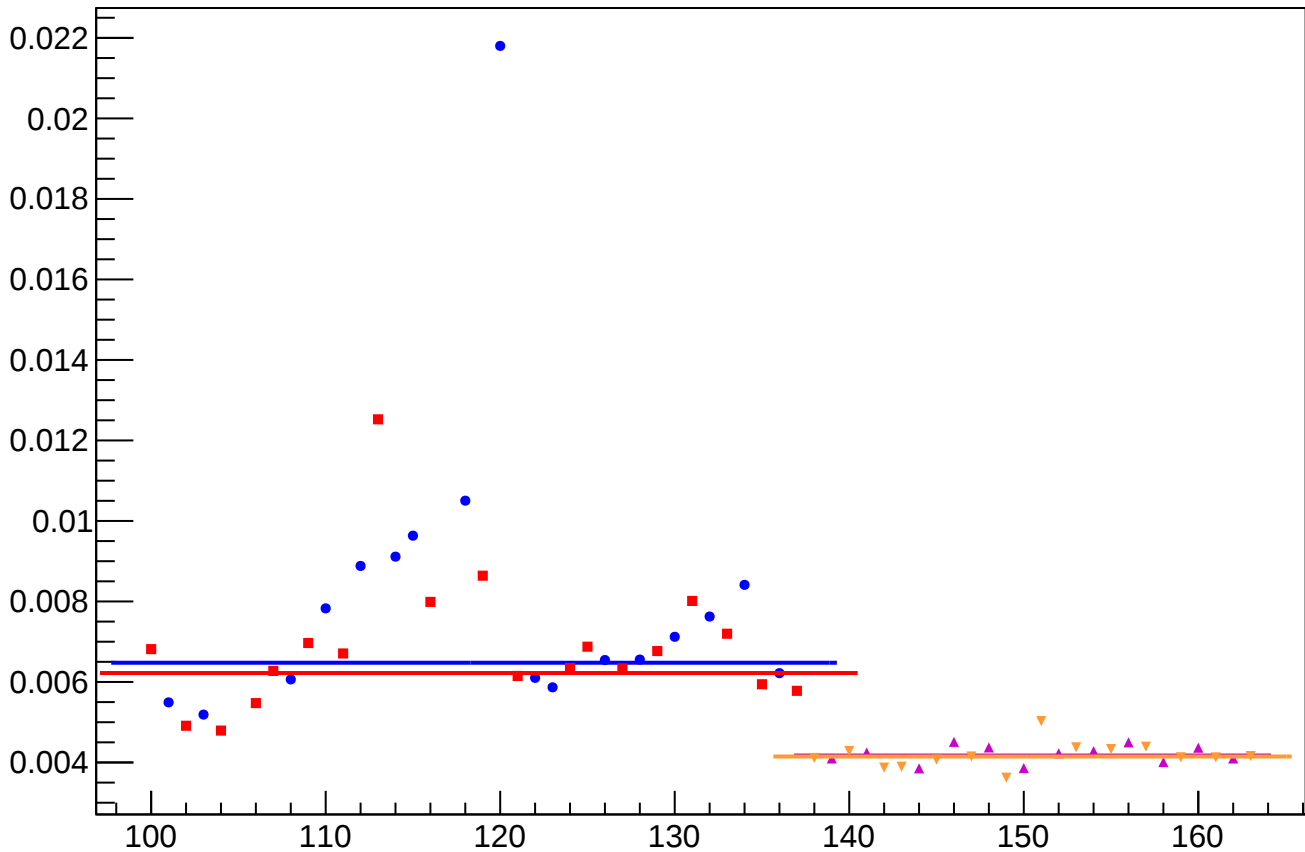
Left In: -0.488+/-0.000 χ^2/NDF : 28021783113.0/11

+ sign -0.684+/-0.000 χ^2/NDF : 142295328668.4/30

All: -0.695+/-0.000 χ^2/NDF : 303043356044.1

- sign -0.706+/-0.000 χ^2/NDF : 160587687945.5/30

yield_bpm0i05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 572678.4/16

Left Out: 0.004+/-0.000 χ^2/NDF :87314.9/13

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

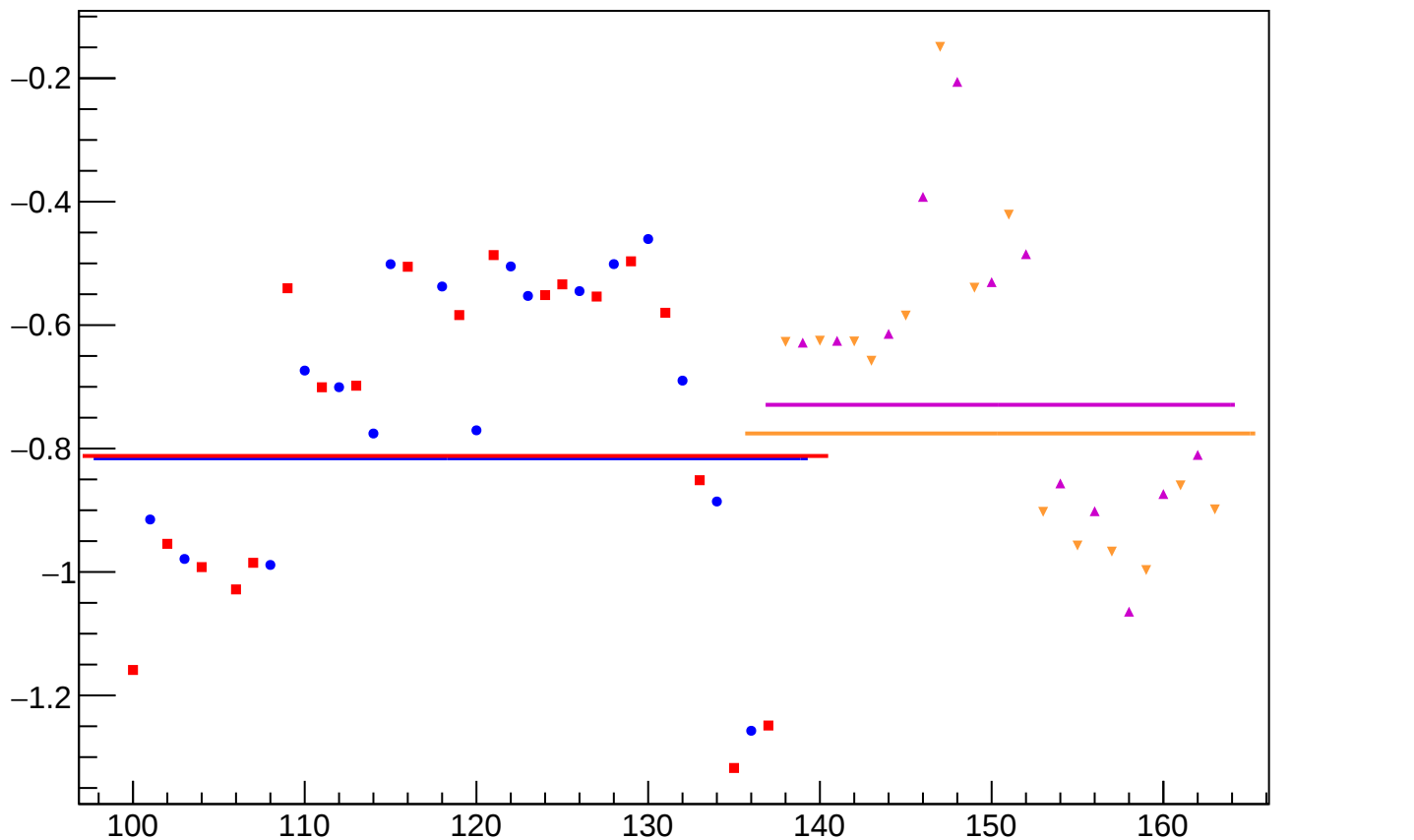
Left In: 0.004+/-0.000 χ^2/NDF :46624.2/11

+ sign 0.005+/-0.000 χ^2/NDF : 1798331.6/30

All: 0.005+/-0.000 χ^2/NDF : 3250433.2/61

- sign 0.005+/-0.000 χ^2/NDF : 1450302.1/30

yield_bpm0i07X_mean vs Slug



Right In: -0.816 ± 0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.776 ± 0.000 χ^2/NDF : 25282397091.8/13

Right Out: -0.812 ± 0.000 χ^2/NDF : 16815852448.9/18

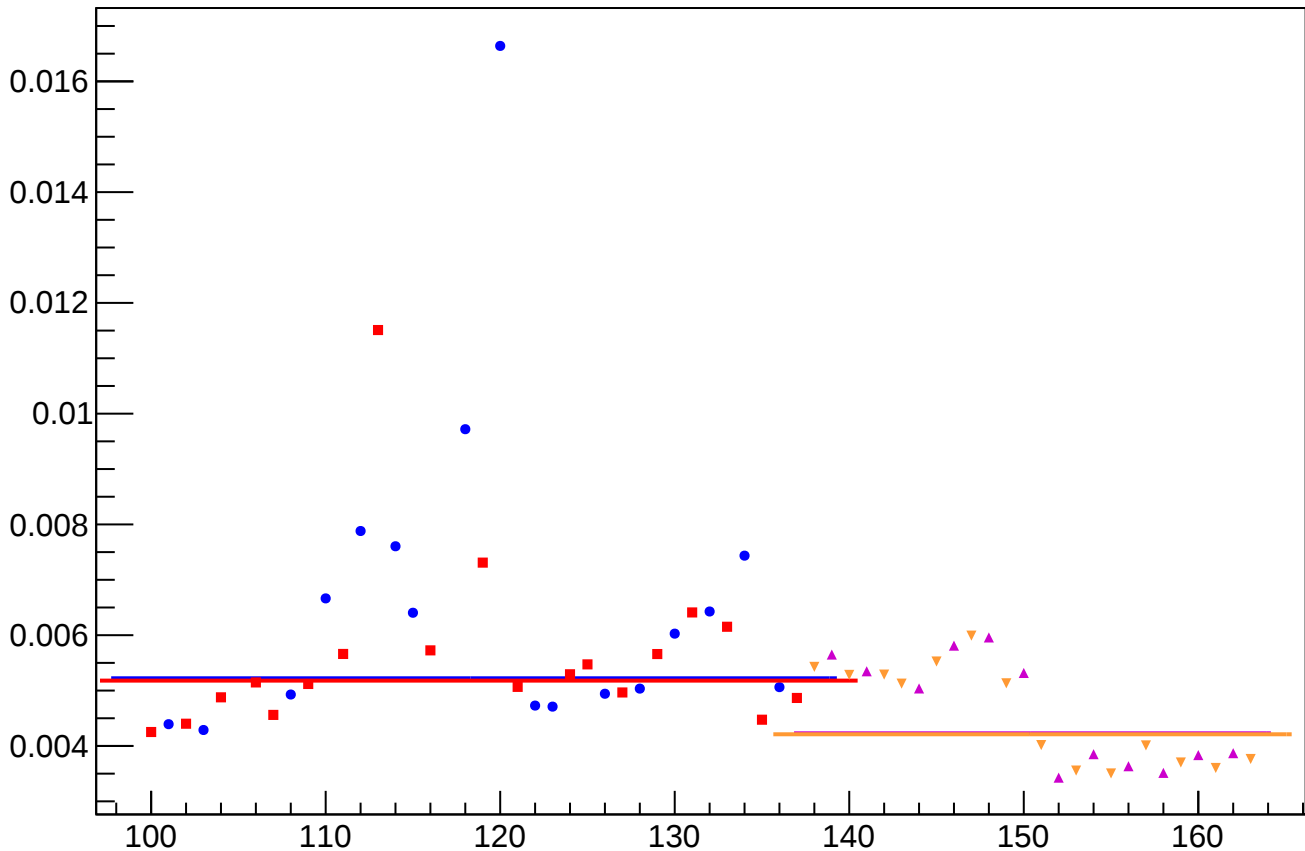
Left In: -0.729 ± 0.000 χ^2/NDF : 24933776564.3/11

+ sign -0.787 ± 0.000 χ^2/NDF : 39685740290.4/30

All: -0.771 ± 0.000 χ^2/NDF : 82827254907.6/30

- sign -0.755 ± 0.000 χ^2/NDF : 42792105733.6/30

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 664386.8/16

Left Out: 0.004+/-0.000 χ^2/NDF : 656889.3/13

Right Out: 0.005+/-0.000 χ^2/NDF : 363781.3/18

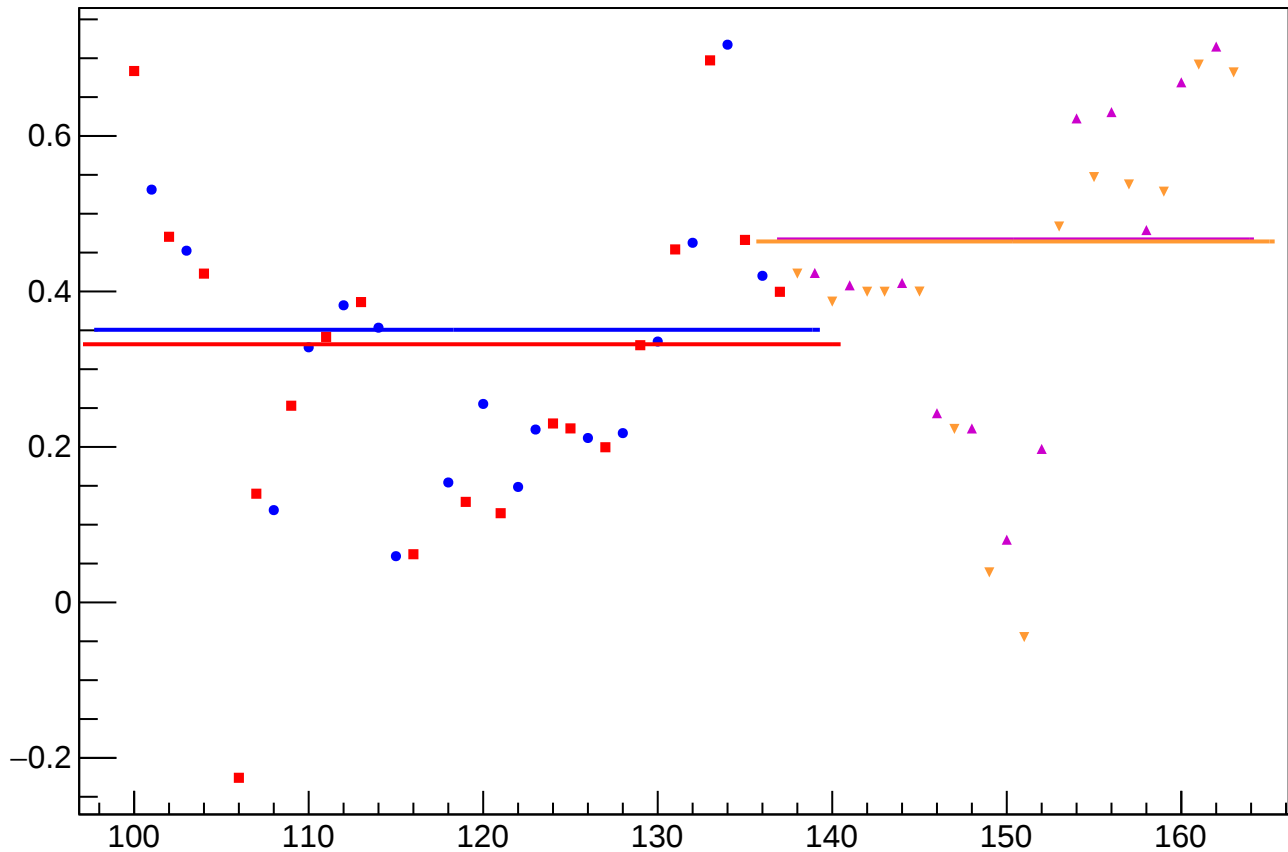
Left In: 0.004+/-0.000 χ^2/NDF : 718777.6/11

+ sign 0.004+/-0.000 χ^2/NDF : 1612084.3/30

All: 0.005+/-0.000 χ^2/NDF : 2970481.9/61

- sign 0.005+/-0.000 χ^2/NDF : 1357276.5/30

yield_bpm0i07Y_mean vs Slug



Right In: 0.351 $\pm$ 0.000 χ^2 /NDF: 7410859446.3/16

Left Out: 0.464 $\pm$ 0.000 χ^2 /NDF: 29577489601.1/13

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 11796213425.9/18

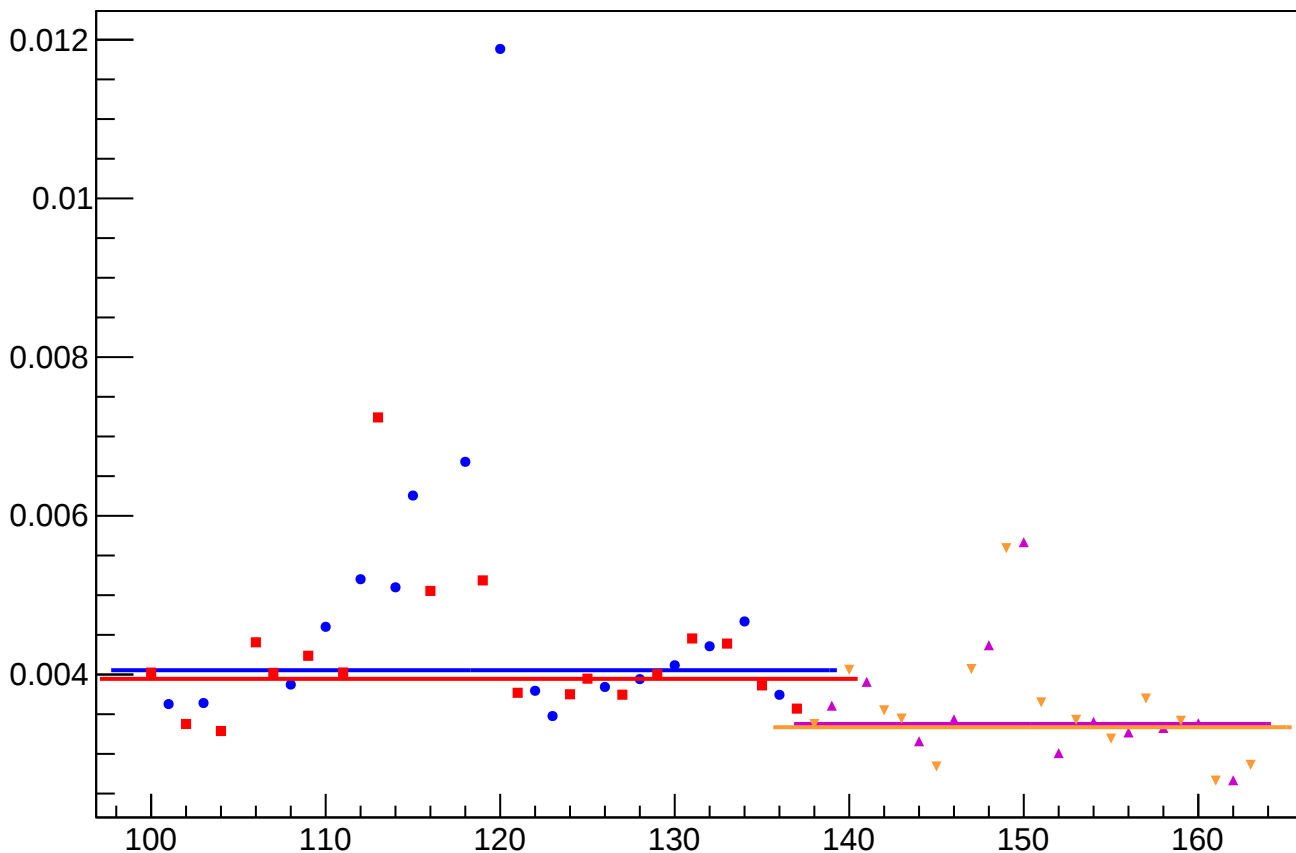
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 27075244894.4/11

+ sign 0.430 $\pm$ 0.000 χ^2 /NDF: 40103594217.0/30

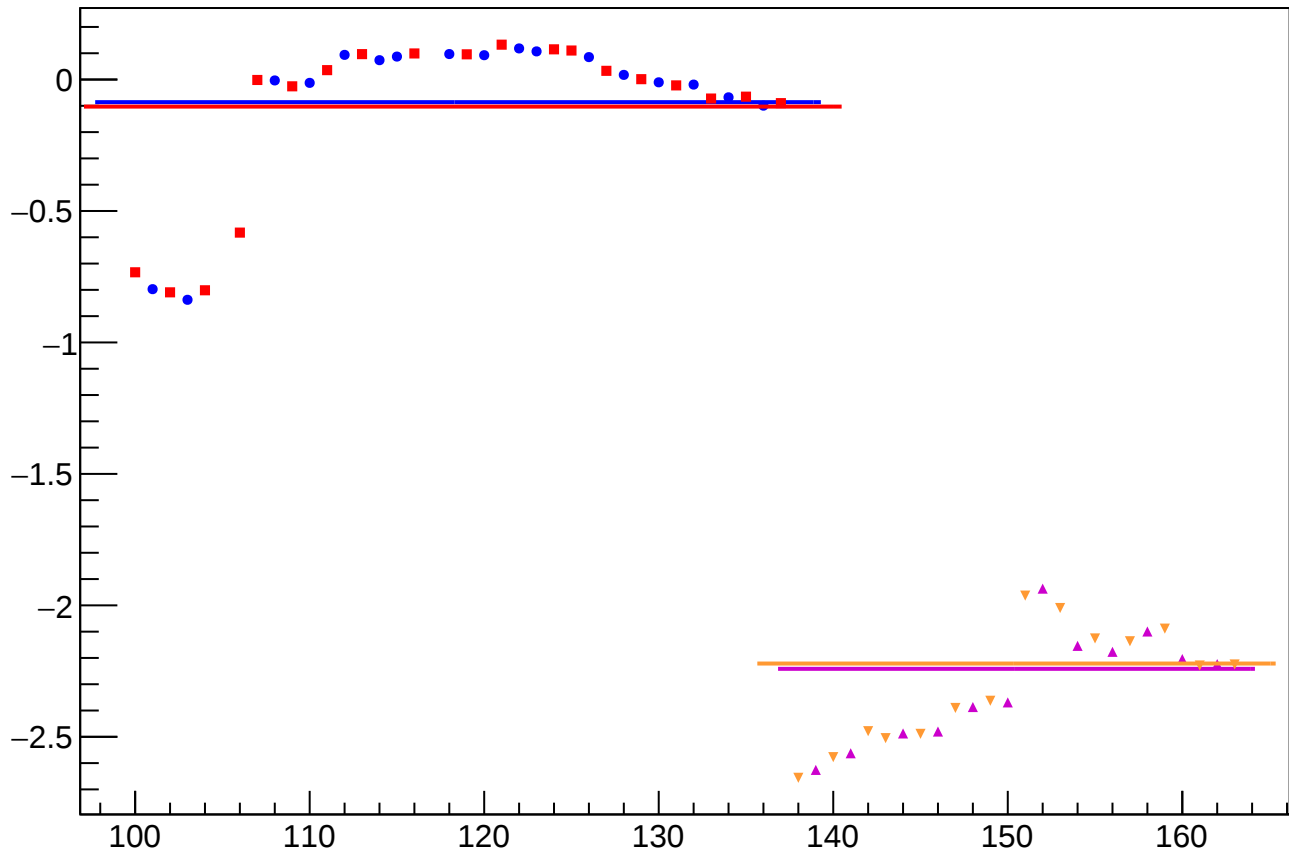
All: 0.425 $\pm$ 0.000 χ^2 /NDF: 83674928129.9/6

- sign 0.420 $\pm$ 0.000 χ^2 /NDF: 43512991982.3/30

yield_bpm0i07Y_rms vs Slug



yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.221+/-0.000 χ^2/NDF : 3413503356.0/13

Right Out: -0.103+/-0.000 χ^2/NDF : 5553039516.7/18

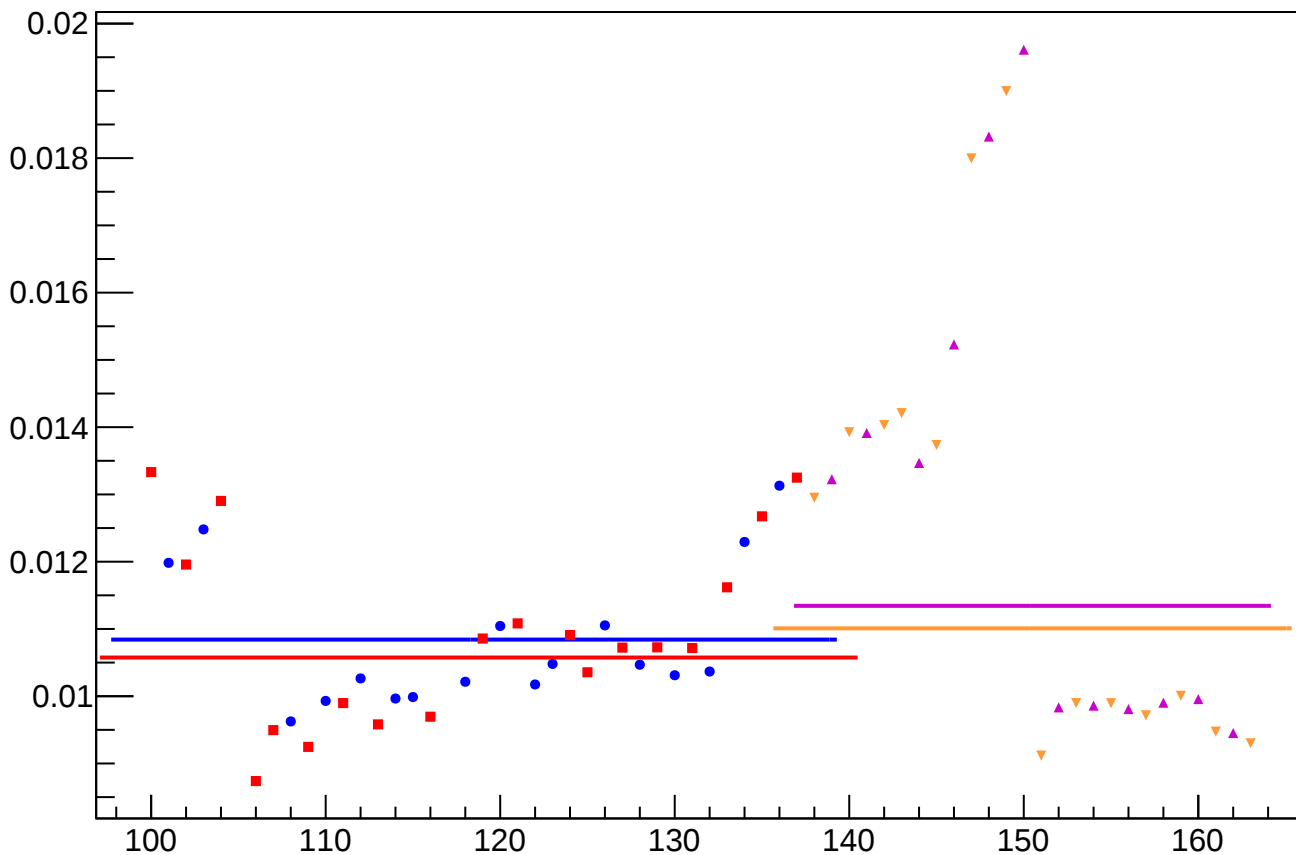
Left In: -2.241+/-0.000 χ^2/NDF : 2662205564.9/11

+ sign -1.349+/-0.000 χ^2/NDF : 160709051336.2/30

All: -1.295+/-0.000 χ^2/NDF : 322093591817.6

- sign -1.239+/-0.000 χ^2/NDF : 160558146415.5/30

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 1028070.9/13

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

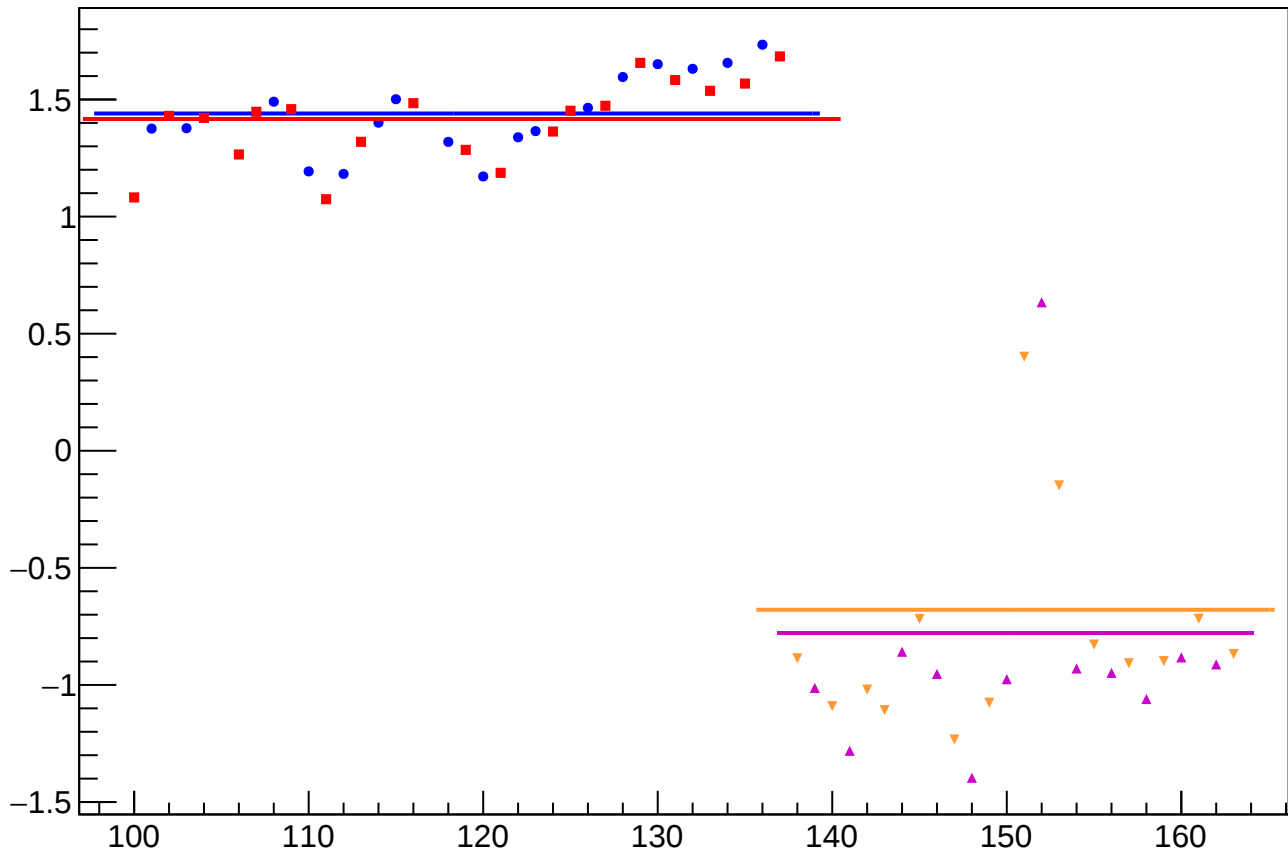
Left In: 0.011+/-0.000 χ^2/NDF : 1012879.5/11

+ sign 0.011+/-0.000 χ^2/NDF : 1154201.3/30

All: 0.011+/-0.000 χ^2/NDF : 2385661.2/61

- sign 0.011+/-0.000 χ^2/NDF : 1231211.7/30

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.679 $\pm$ 0.000 χ^2 /NDF: 29706772260.1/13

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

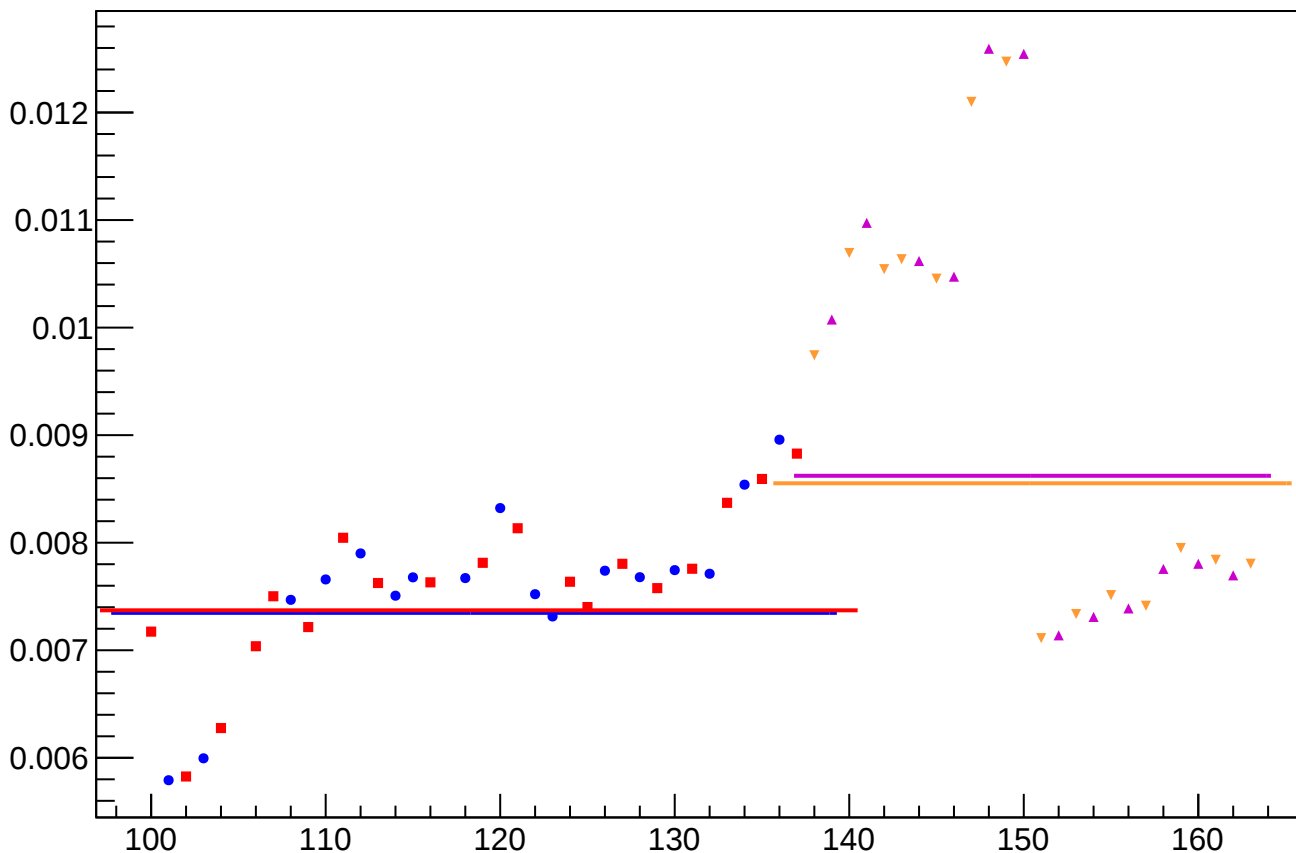
Left In: -0.778 $\pm$ 0.000 χ^2 /NDF: 39121200467.4/11

+ sign 0.317 $\pm$ 0.000 χ^2 /NDF: 323725101993.9/30

All: 0.327 $\pm$ 0.000 χ^2 /NDF: 671381536645.7

- sign 0.338 $\pm$ 0.000 χ^2 /NDF: 347599763306.9/30

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 228163.6/16

Left Out: 0.009+/-0.000 χ^2/NDF : 719839.1/13

Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

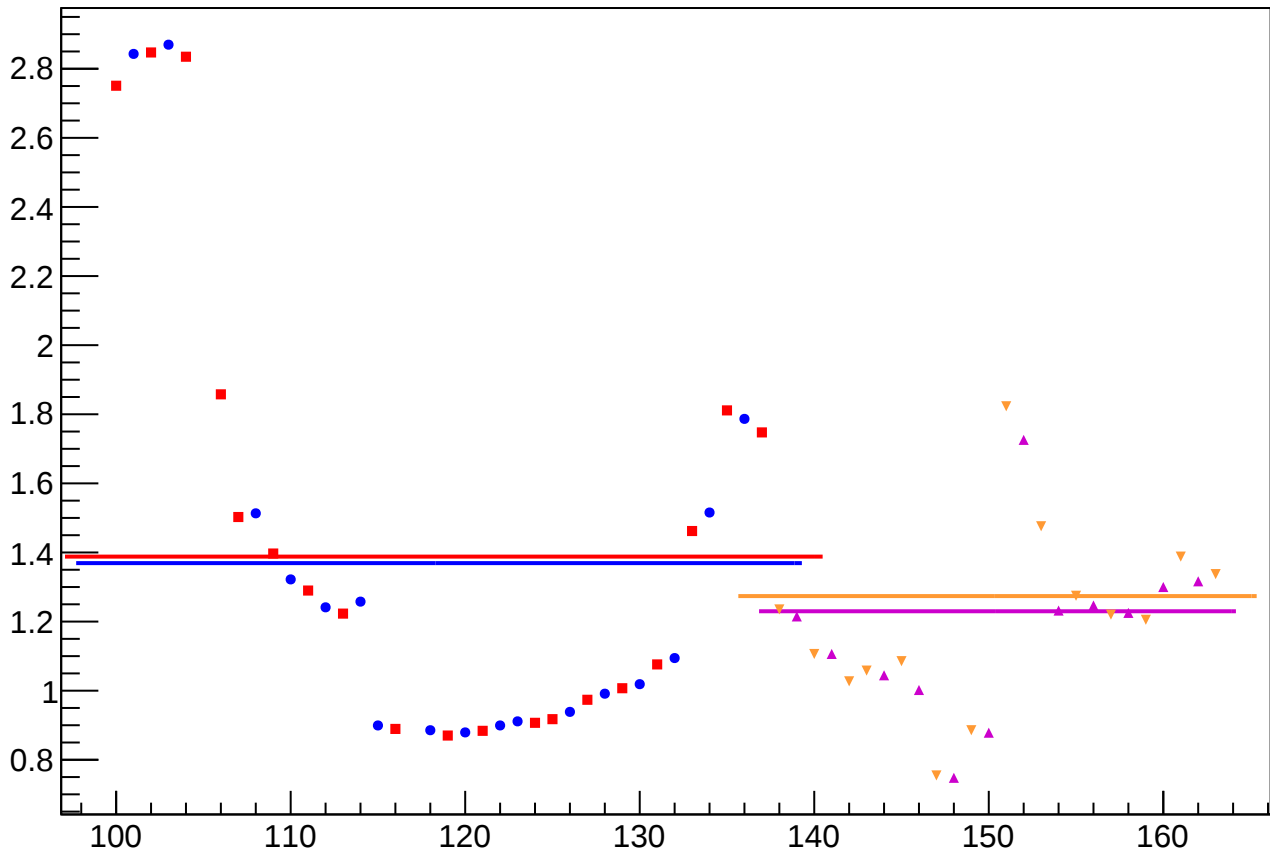
Left In: 0.009+/-0.000 χ^2/NDF : 773442.9/11

+ sign 0.008+/-0.000 χ^2/NDF : 1135751.6/30

All: 0.008+/-0.000 χ^2/NDF : 2280591.7/61

- sign 0.008+/-0.000 χ^2/NDF : 1144840.1/30

yield_bpm1i04X_mean vs Slug



Right In: 1.369 ± 0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.274 ± 0.000 χ^2/NDF : 9008890462.5/13

Right Out: 1.388 ± 0.000 χ^2/NDF : 49900245868.0/18

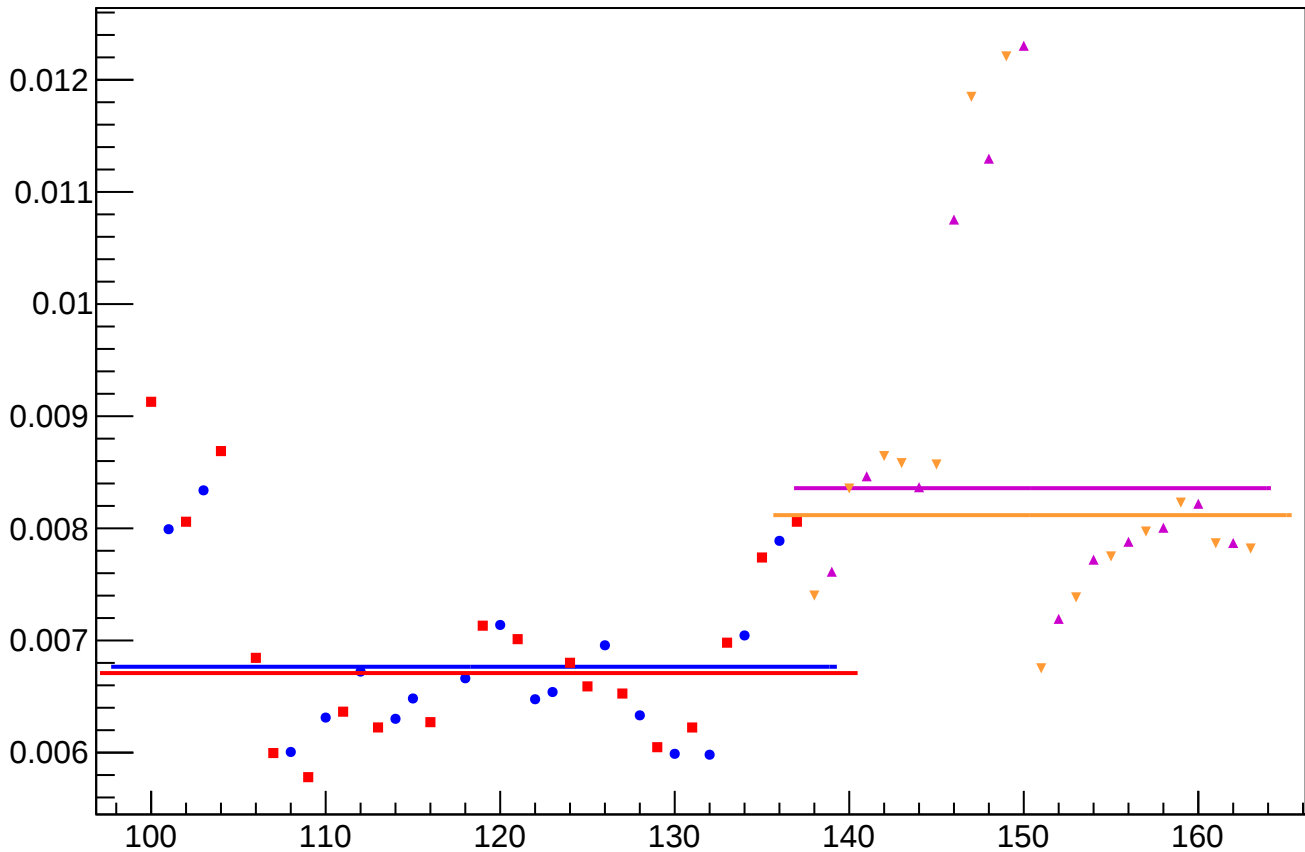
Left In: 1.230 ± 0.000 χ^2/NDF : 7004840717.9/11

+ sign 1.321 ± 0.000 χ^2/NDF : 63884782839.6/30

All: 1.318 ± 0.000 χ^2/NDF : 122578655321.6

- sign 1.315 ± 0.000 χ^2/NDF : 58690125623.9/30

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 : 409764.8/13

Right Out: 0.007+/-0.000 χ^2/NDF : 187826.7/18

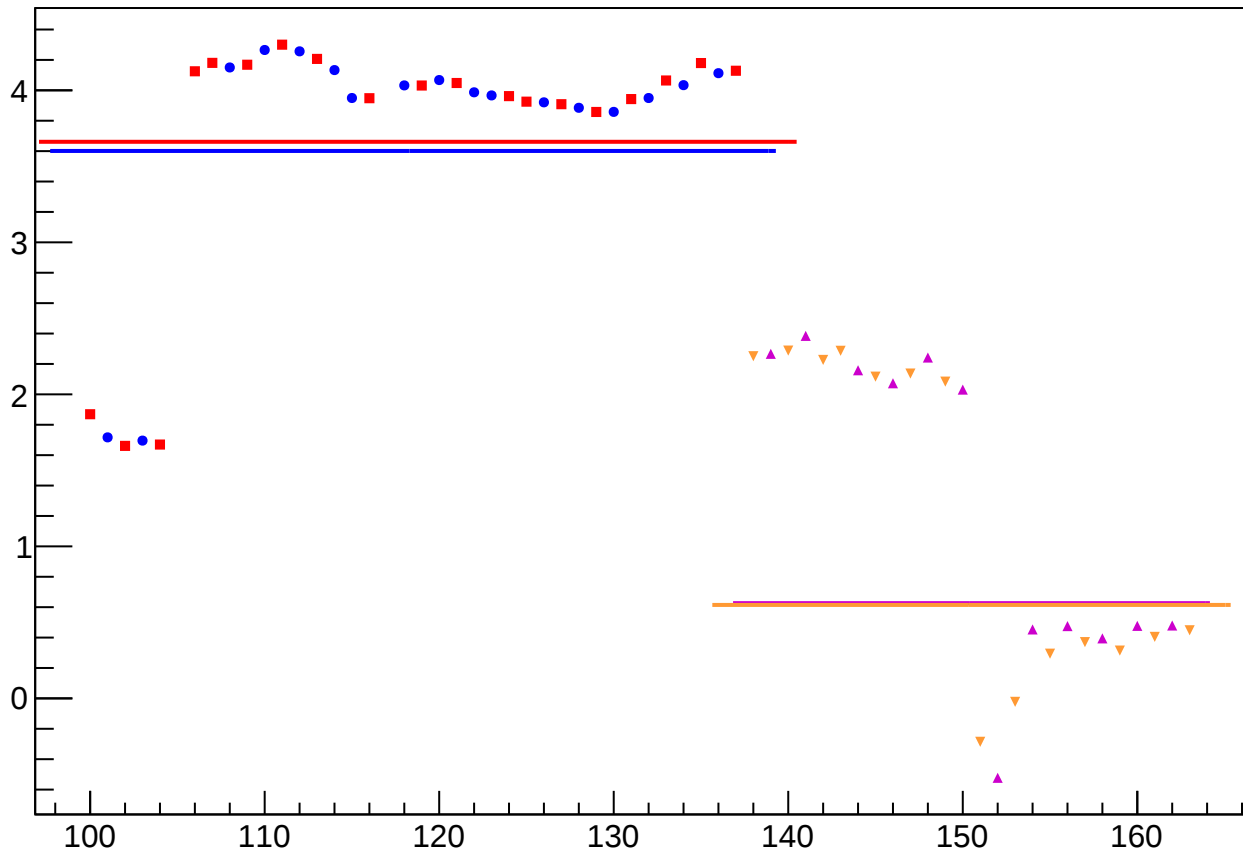
Left In: 0.008+/-0.000 χ^2/NDF : 420282.9/11

+ sign 0.007+/-0.000 χ^2/NDF : 838626.0/30

All: 0.007+/-0.000 χ^2/NDF : 1834723.1/61

- sign 0.007+/-0.000 χ^2/NDF : 996062.7/30

yield_bpm1i04Y_mean vs Slug



Right In: 3.601 $\pm$ 0.000 χ^2/NDF : 185806937655.3/16

Left Out: 0.615 $\pm$ 0.000 χ^2/NDF : 255784421076.3/13

Right Out: 3.661 $\pm$ 0.000 χ^2/NDF : 192519897222.5/18

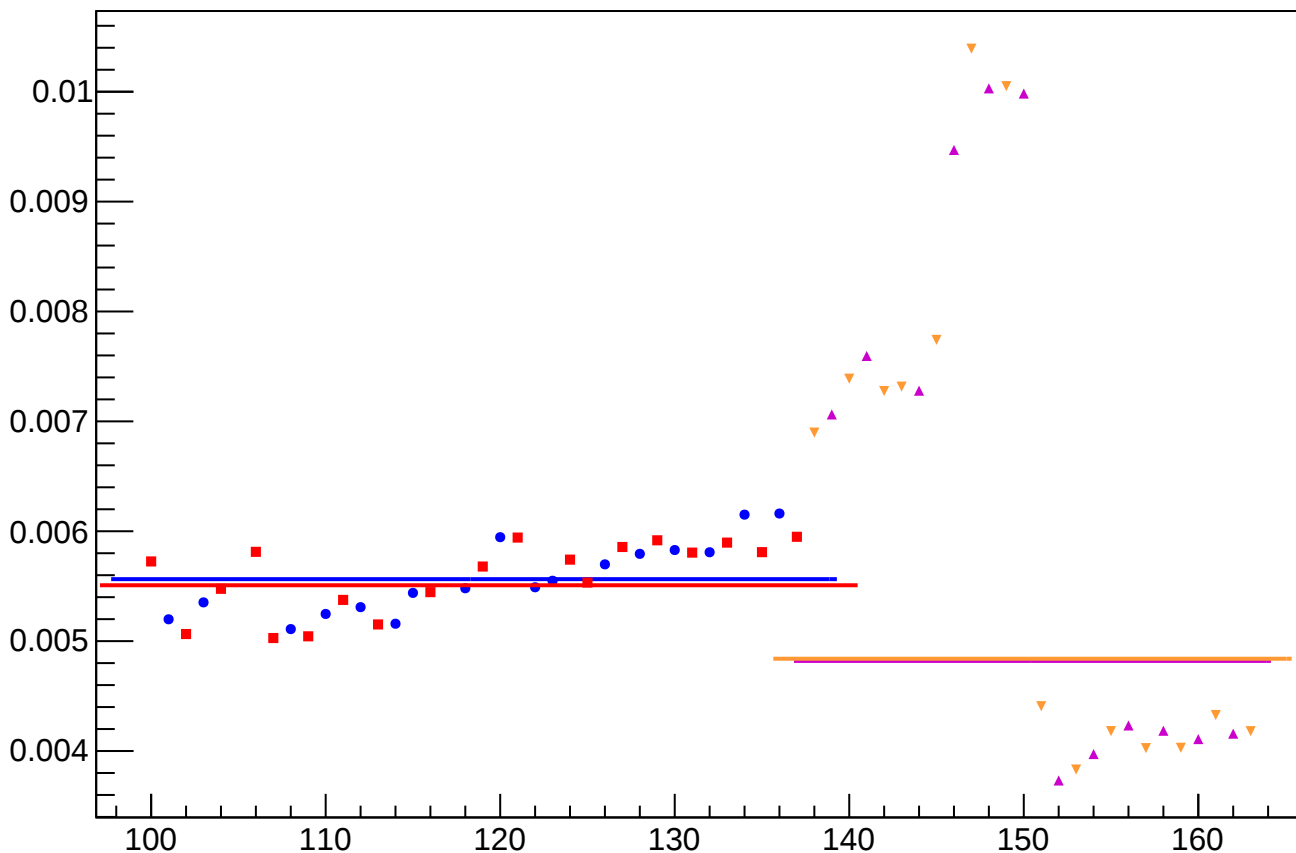
Left In: 0.627 $\pm$ 0.000 χ^2/NDF : 251807426157.4/11

+ sign 1.689 $\pm$ 0.000 χ^2/NDF : 1674847954833.5/30

All: 1.752 $\pm$ 0.000 χ^2/NDF : 3407657307298.5/30

- sign 1.816 $\pm$ 0.000 χ^2/NDF : 1727973509841.7/30

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 :1876904.4/13

Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

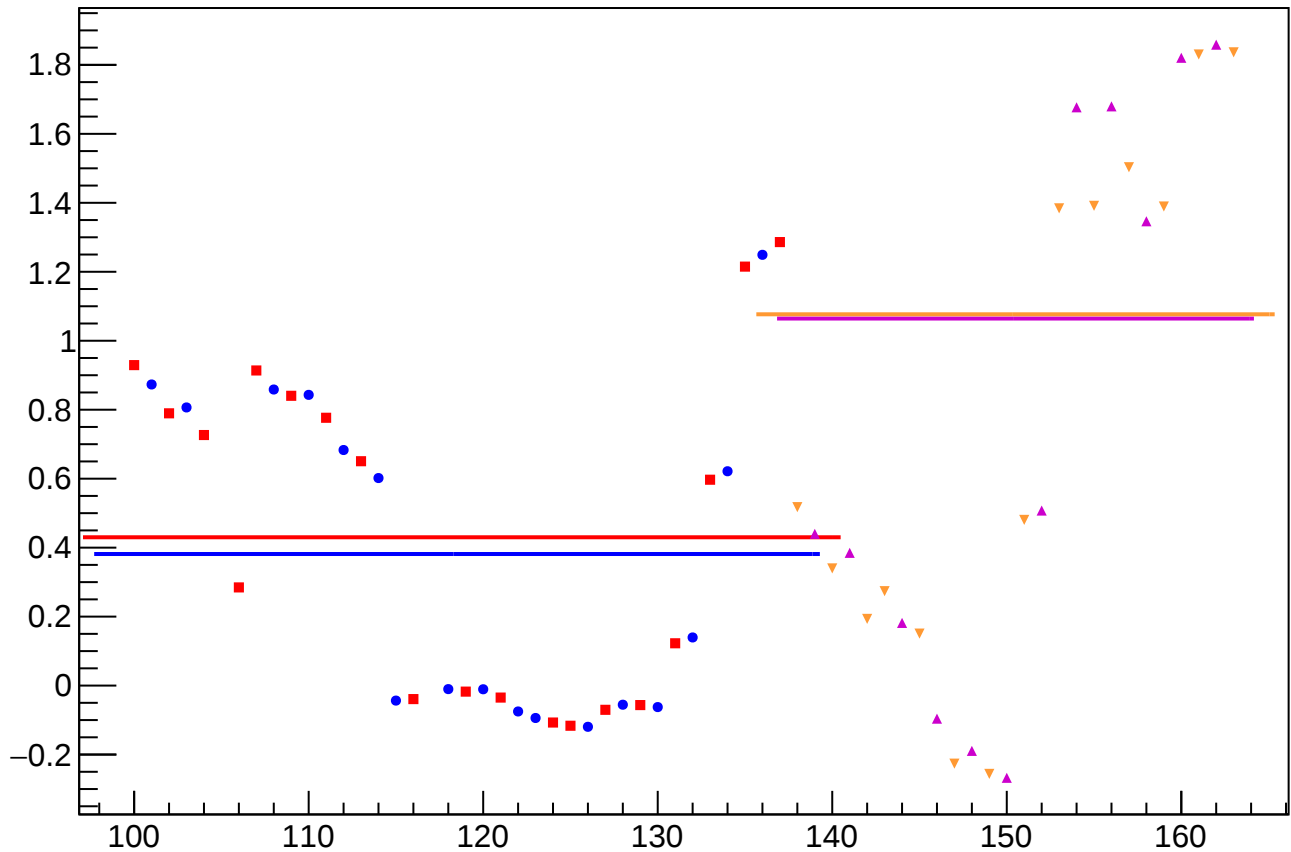
Left In: 0.005+/-0.000 χ^2/NDF :2057990.0/11

+ sign 0.005+/-0.000 χ^2/NDF : 2069573.2/30

All: 0.005+/-0.000 χ^2/NDF : 4312417.1/61

- sign 0.005+/-0.000 χ^2/NDF : 2242780.6/30

yield_bpm1i06X_mean vs Slug



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 1.077+/-0.000 χ^2/NDF :31881939979.2/13

Right Out: 0.430+/-0.000 χ^2/NDF : 6676199135.9/18

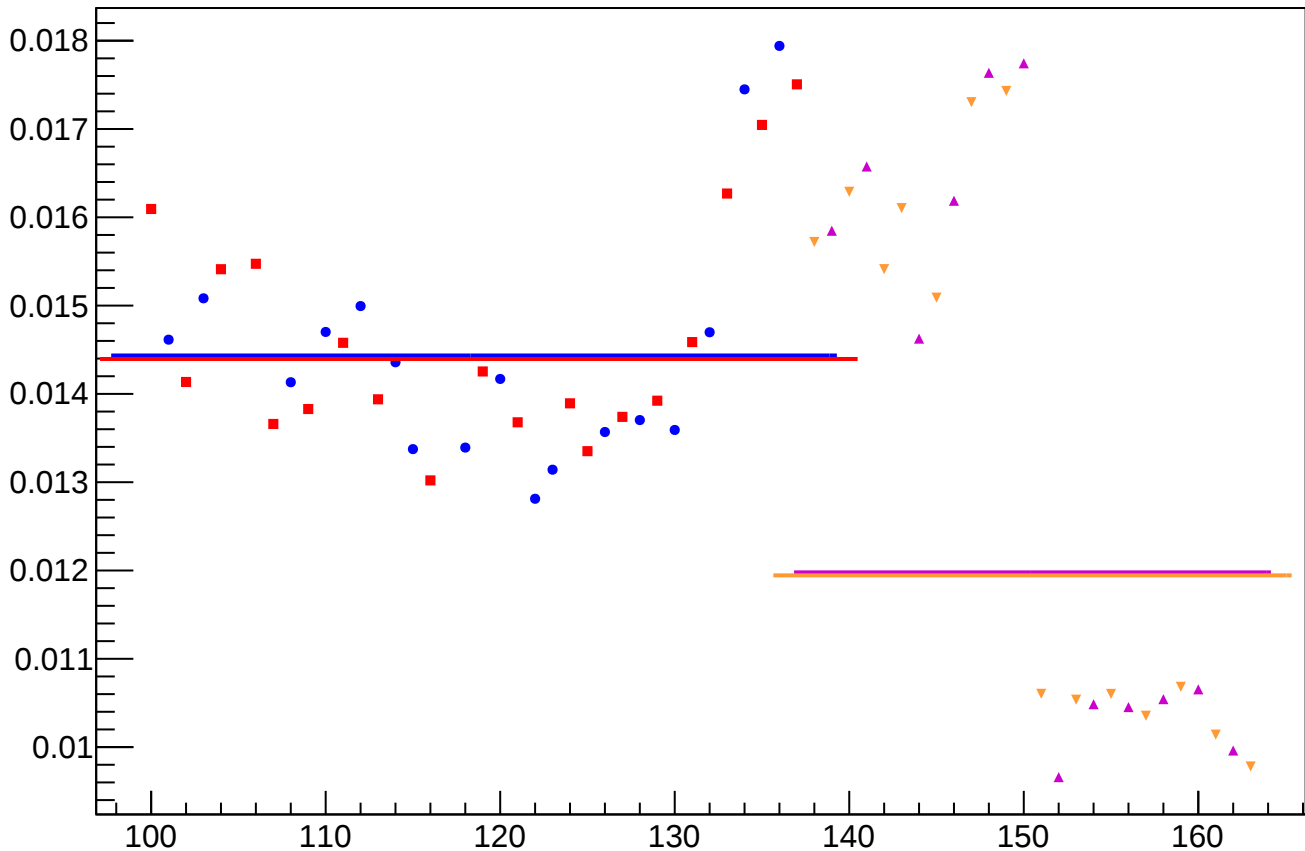
Left In: 1.064+/-0.000 χ^2/NDF :36084943323.8/11

+ sign 0.858+/-0.000 χ^2/NDF : 49528394152.5/30

All: 0.852+/-0.000 χ^2/NDF : 101119065380.6

- sign 0.845+/-0.000 χ^2/NDF : 51582886407.9/30

yield_bpm1i06X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 110224.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 953964.1/13

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 74531.6/18

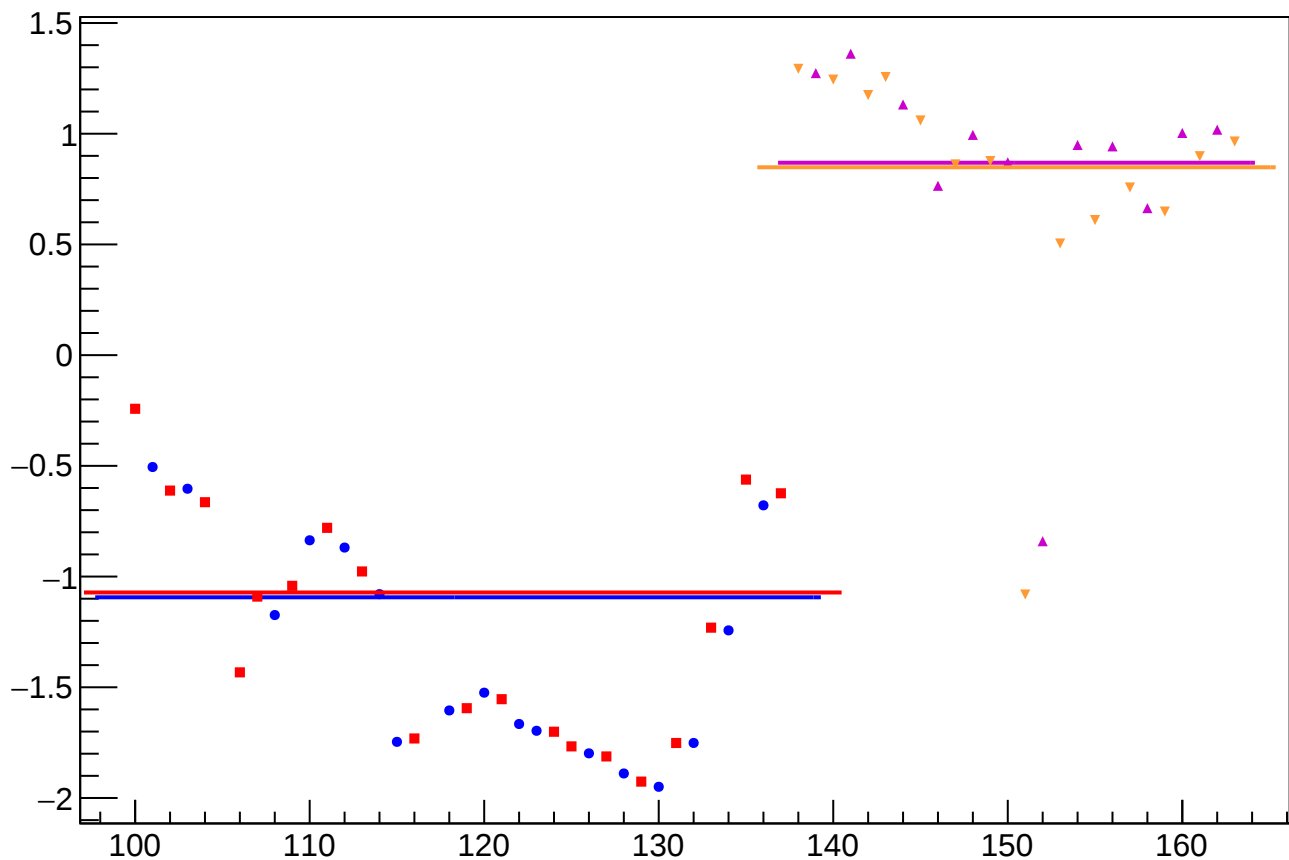
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 994285.1/11

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1334199.3/30

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 2659864.4/61

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1324954.6/30

yield_bpm1i06Y_mean vs Slug



Right In: -1.094 ± 0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.848 ± 0.000 χ^2/NDF : 124052862472.3/13

Right Out: -1.072 ± 0.000 χ^2/NDF : 46896017480.0/18

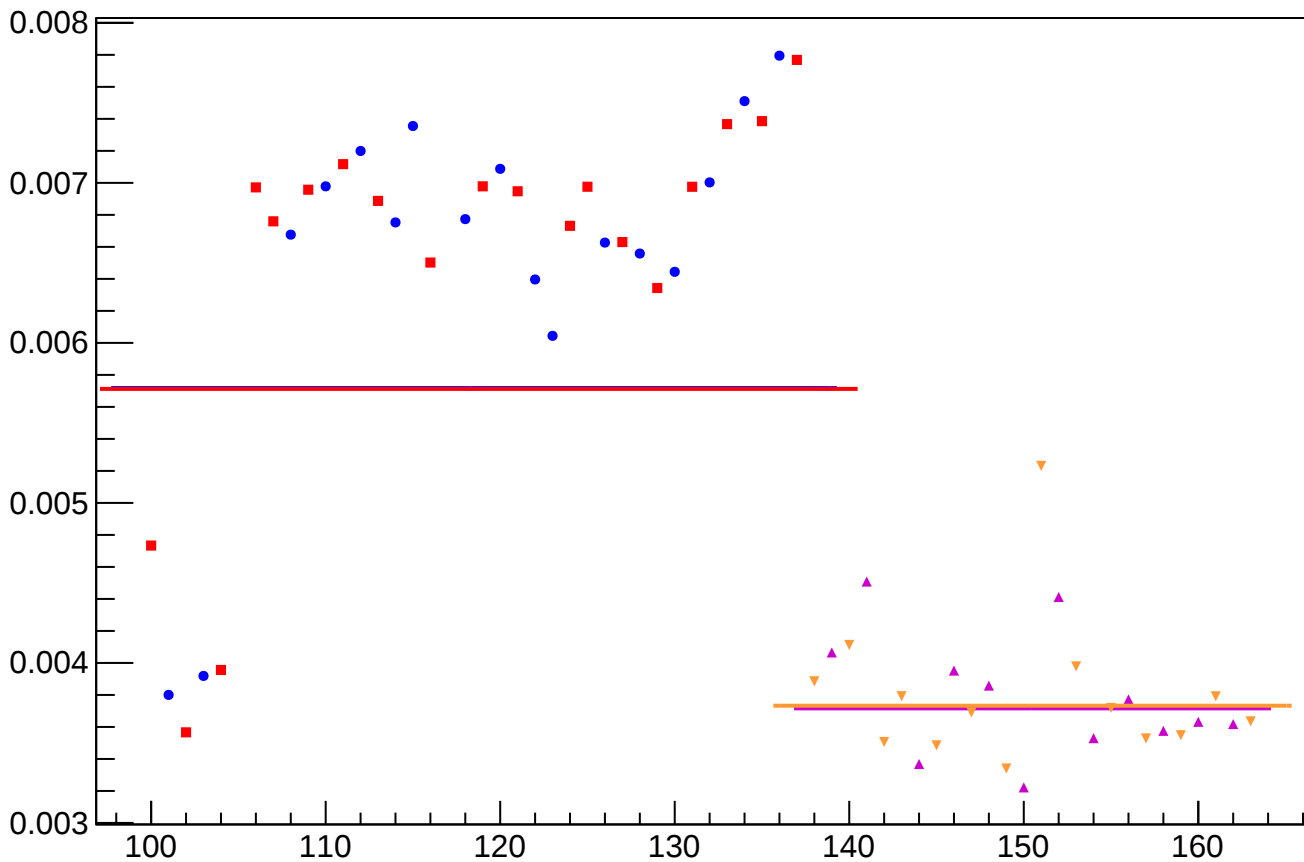
Left In: 0.869 ± 0.000 χ^2/NDF : 143667785157.2/11

+ sign 0.434 ± 0.000 χ^2/NDF : 719093162568.7/30

All: 0.427 ± 0.000 χ^2/NDF : 1456484407332.

- sign 0.420 ± 0.000 χ^2/NDF : 737300964180.4/30

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:159517.6/13

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 923899.1/18

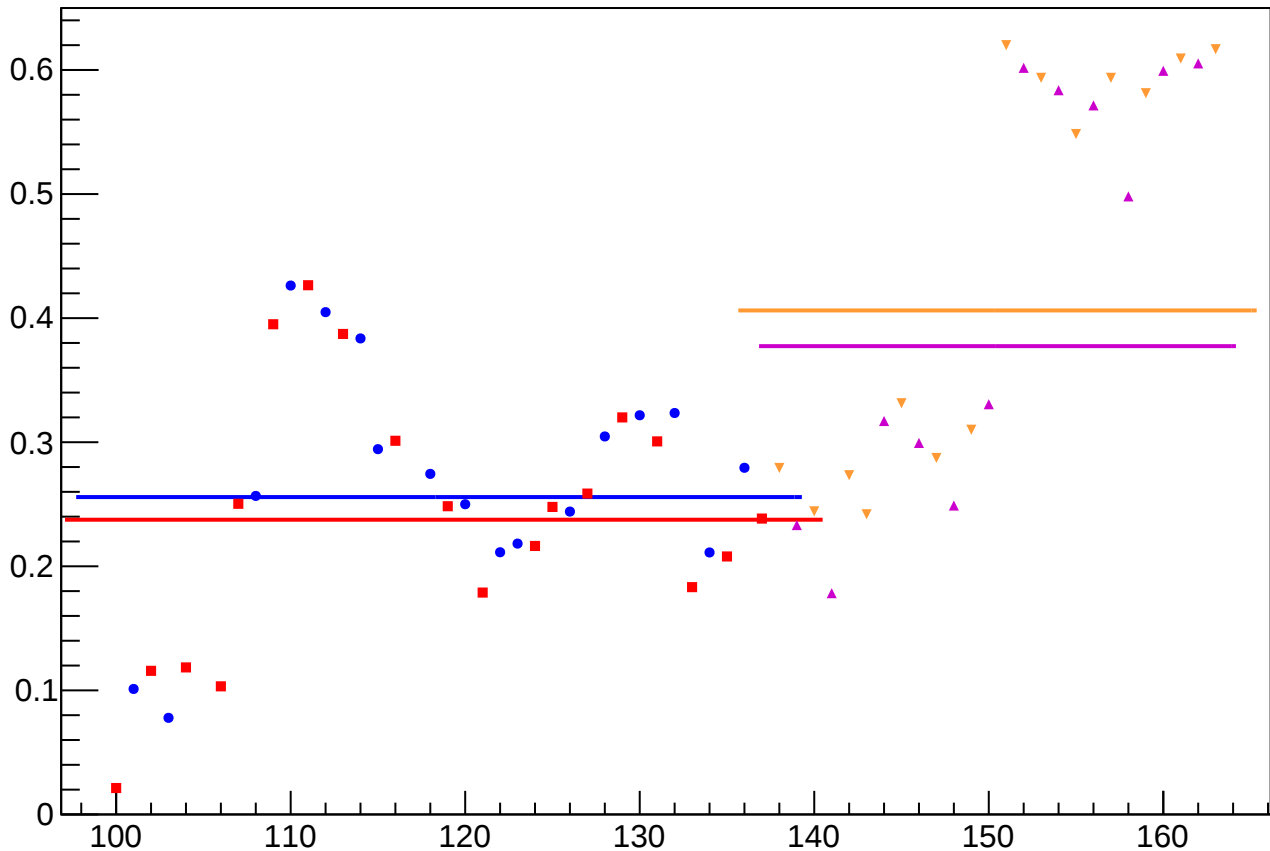
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:164020.7/11

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2123442.1/30

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4368686.8/61

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2244823.8/30

yield_bpm2i01X_mean vs Slug



Right In: 0.256 $\pm$ 0.000 χ^2 /NDF: 21365489849.4/16

Left Out: 0.406 $\pm$ 0.000 χ^2 /NDF: 71317641697.6/13

Right Out: 0.238 $\pm$ 0.000 χ^2 /NDF: 26057284646.9/18

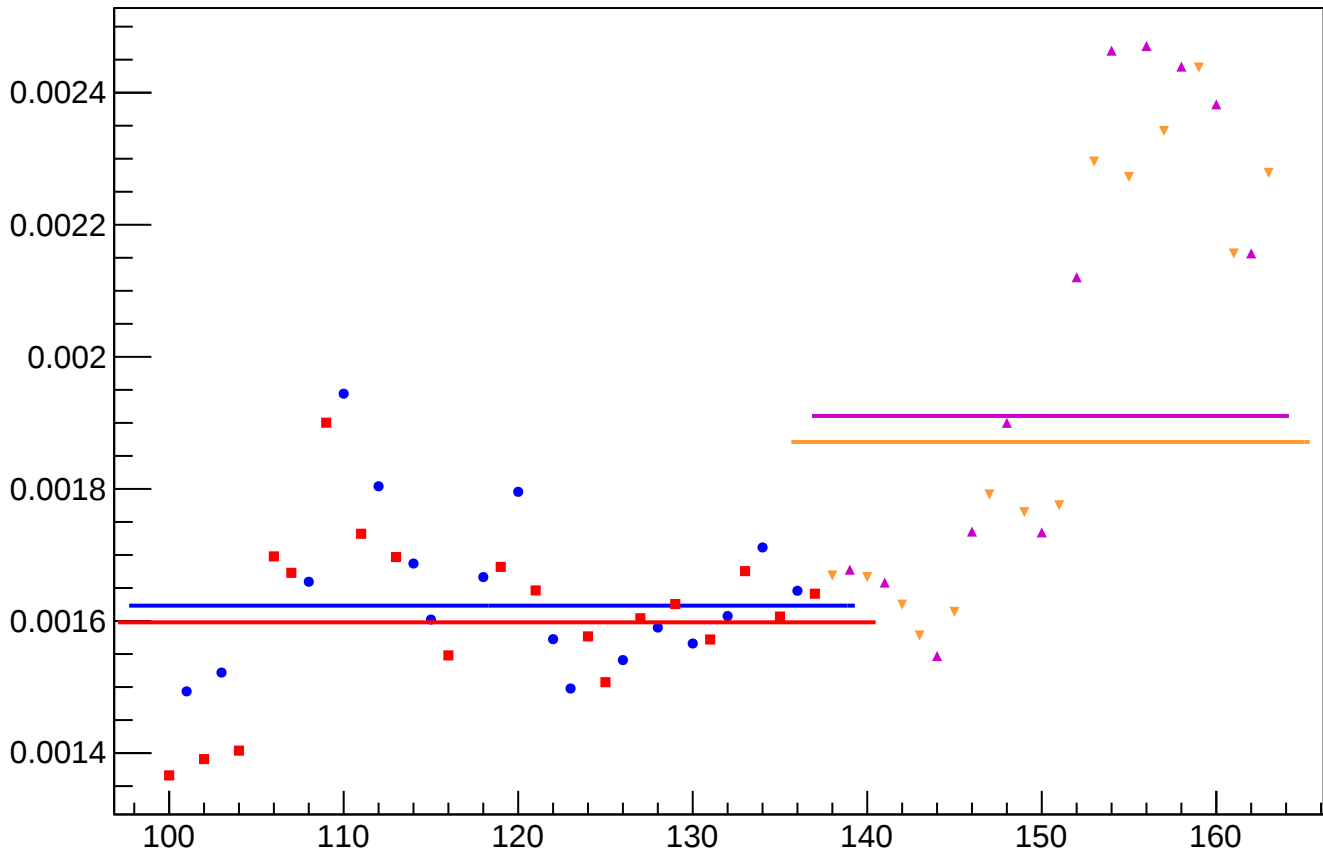
Left In: 0.377 $\pm$ 0.000 χ^2 /NDF: 60859630716.5/11

+ sign 0.337 $\pm$ 0.000 χ^2 /NDF: 122691805238.3/30

All: 0.321 $\pm$ 0.000 χ^2 /NDF: 238064286461.8

- sign 0.305 $\pm$ 0.000 χ^2 /NDF: 112582706318.1/30

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 : 490189.3/13

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

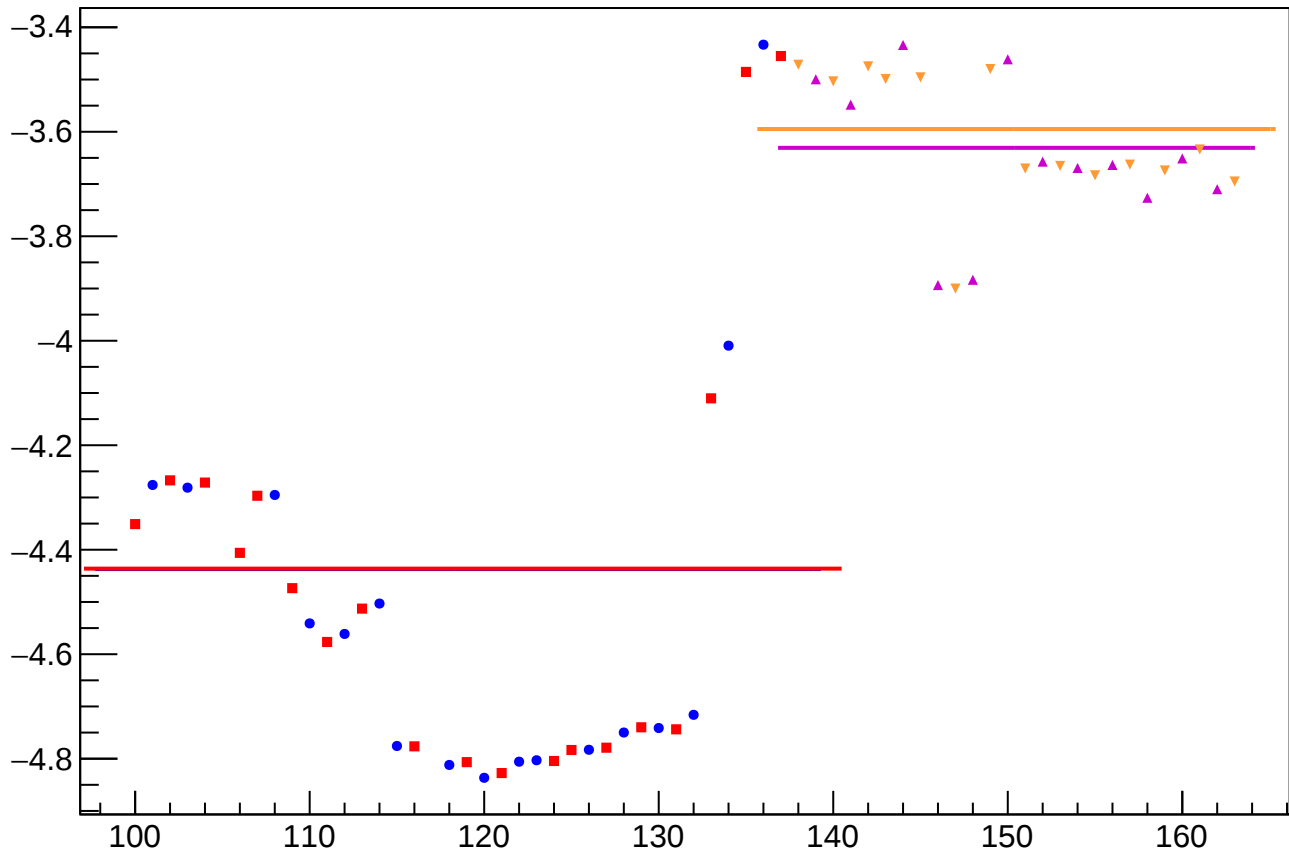
Left In: 0.002+/-0.000 χ^2/NDF : 528402.5/11

+ sign 0.002+/-0.000 χ^2/NDF : 705466.5/30

All: 0.002+/-0.000 χ^2/NDF : 1581175.0/61

- sign 0.002+/-0.000 χ^2/NDF : 875268.3/30

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.595+/-0.000 χ^2/NDF : 31200359552.2/13

Right Out: -4.436+/-0.000 χ^2/NDF : 325183860699.4/18

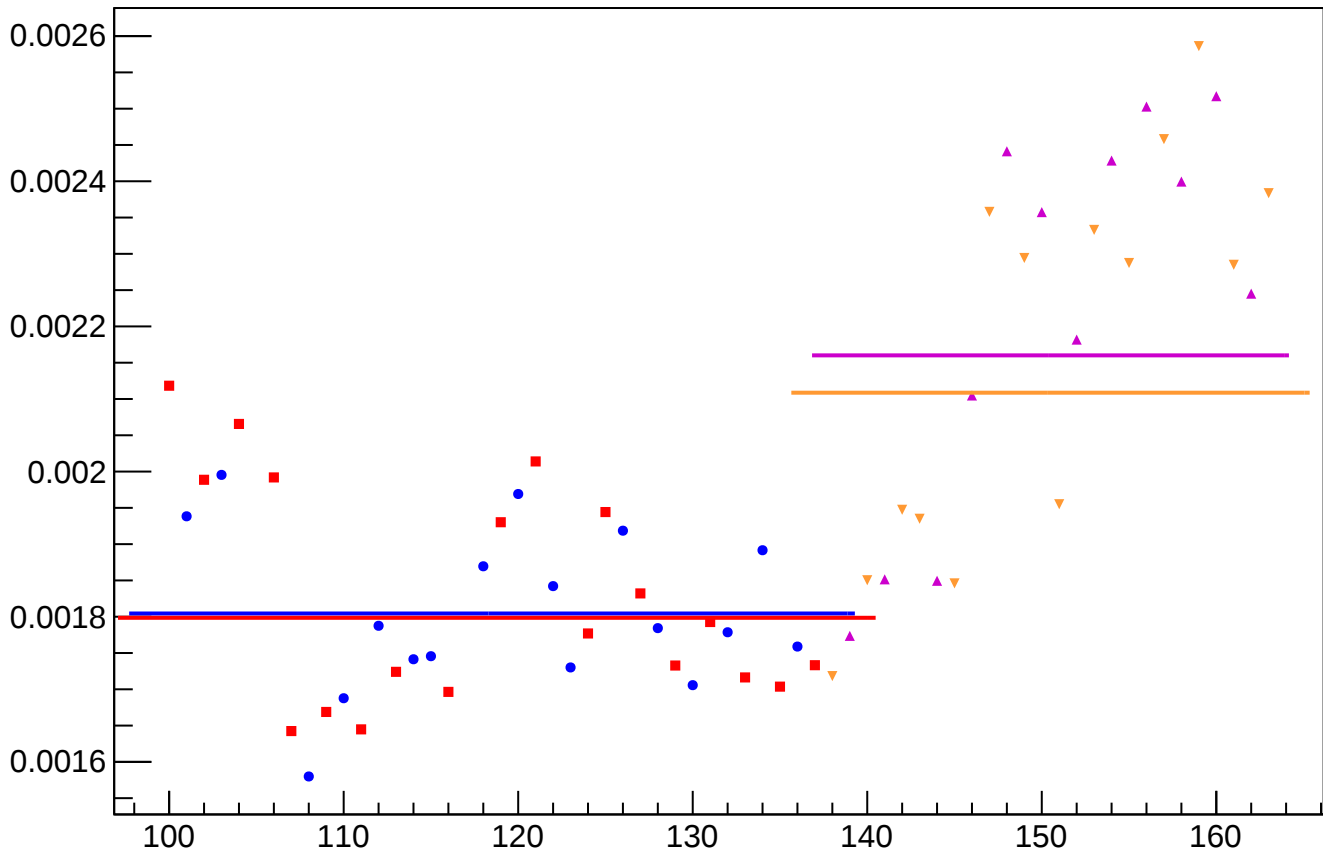
Left In: -3.631+/-0.000 χ^2/NDF : 42405410344.5/11

+ sign -3.989+/-0.000 χ^2/NDF : 1177251008518.5/3

All: -4.017+/-0.000 χ^2/NDF : 2220482423396

- sign -4.045+/-0.000 χ^2/NDF : 1036742621686.6/3

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 : 323377.1/13

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

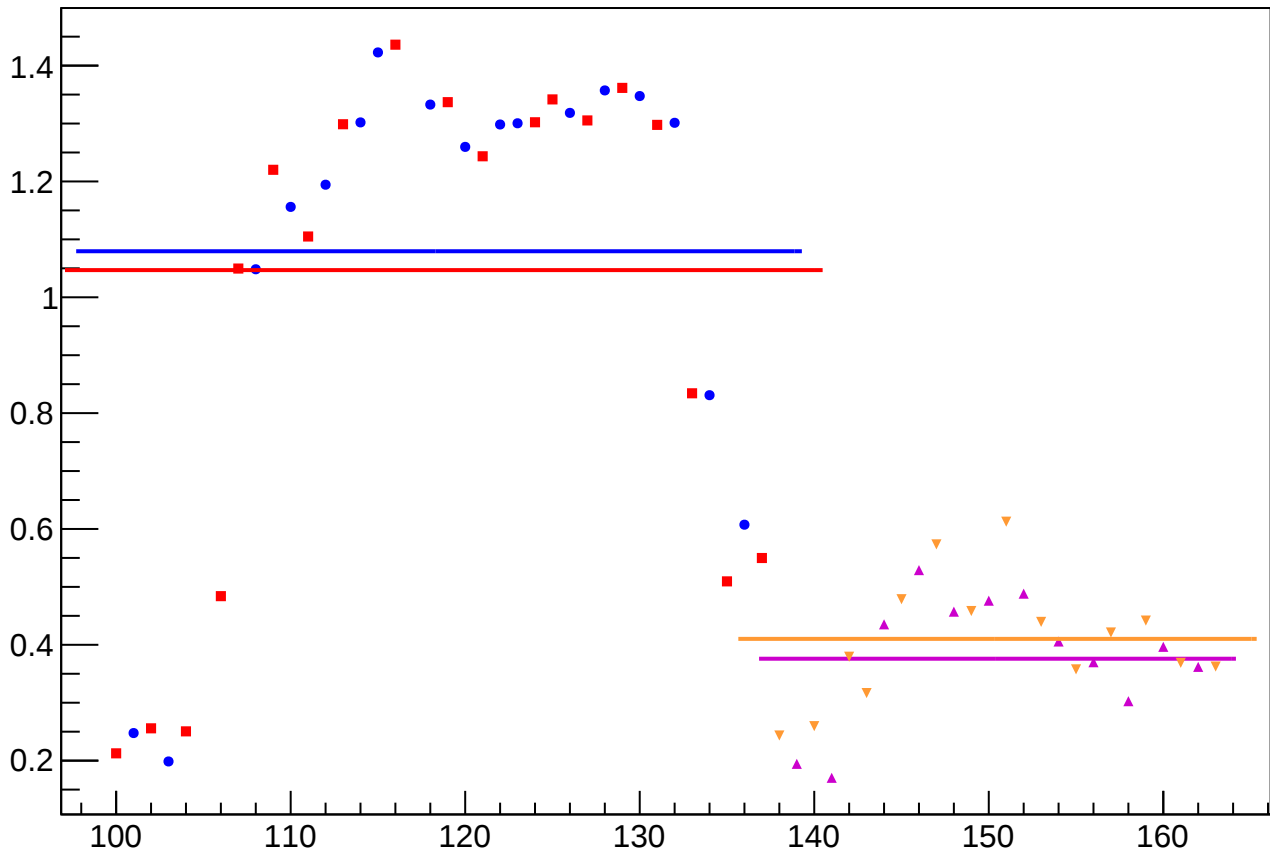
Left In: 0.002+/-0.000 χ^2/NDF : 289440.6/11

+ sign 0.002+/-0.000 χ^2/NDF : 569059.2/30

All: 0.002+/-0.000 χ^2/NDF : 1209508.0/61

- sign 0.002+/-0.000 χ^2/NDF : 640178.8/30

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.410 $\pm$ 0.000 χ^2 /NDF: 1214909119.7/13

+ sign 0.757 $\pm$ 0.000 χ^2 /NDF: 45142632594.1/30

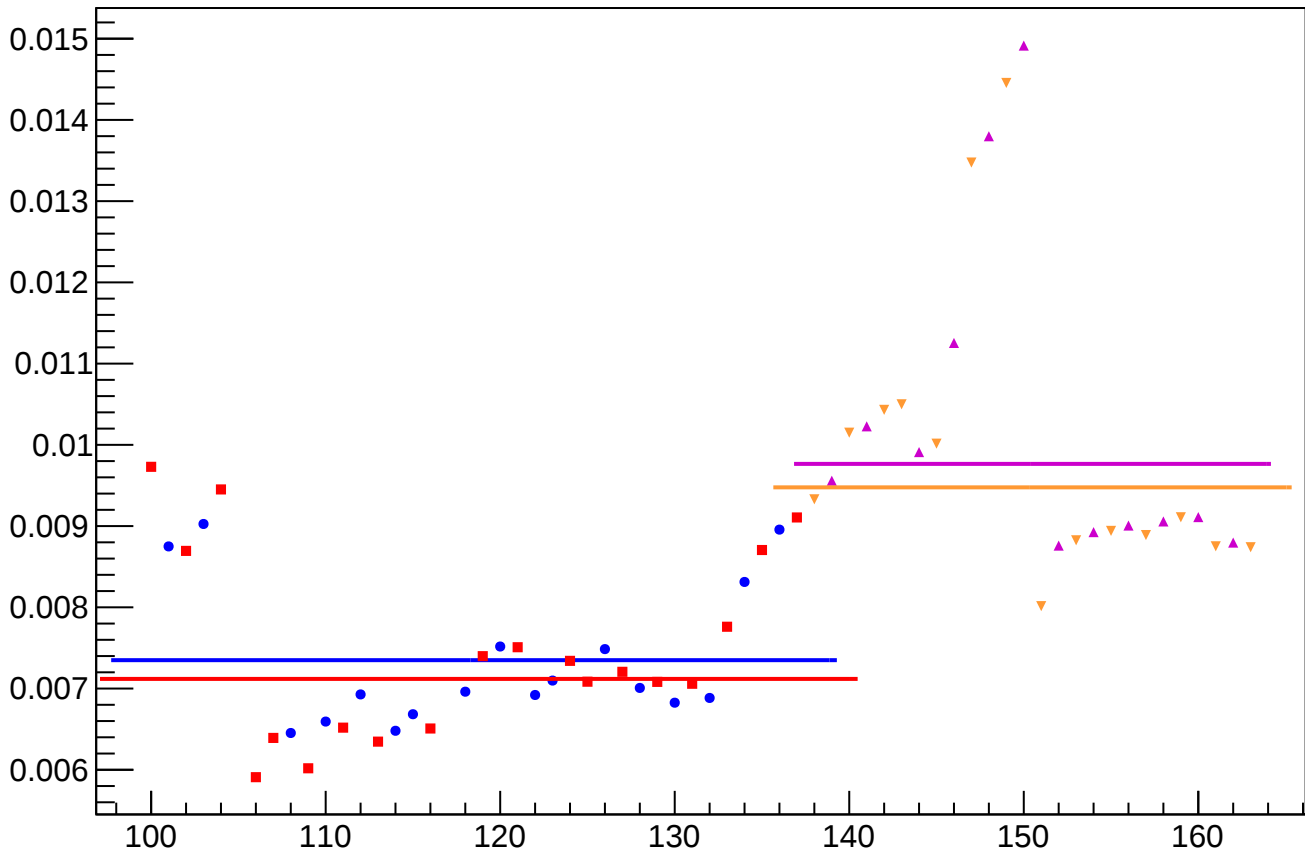
Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

All: 0.762 $\pm$ 0.000 χ^2 /NDF: 91769650198.5/6

- sign 0.767 $\pm$ 0.000 χ^2 /NDF: 46616447040.8/30

Left In: 0.376 $\pm$ 0.000 χ^2 /NDF: 1035201413.2/11

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 : 455823.3/13

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

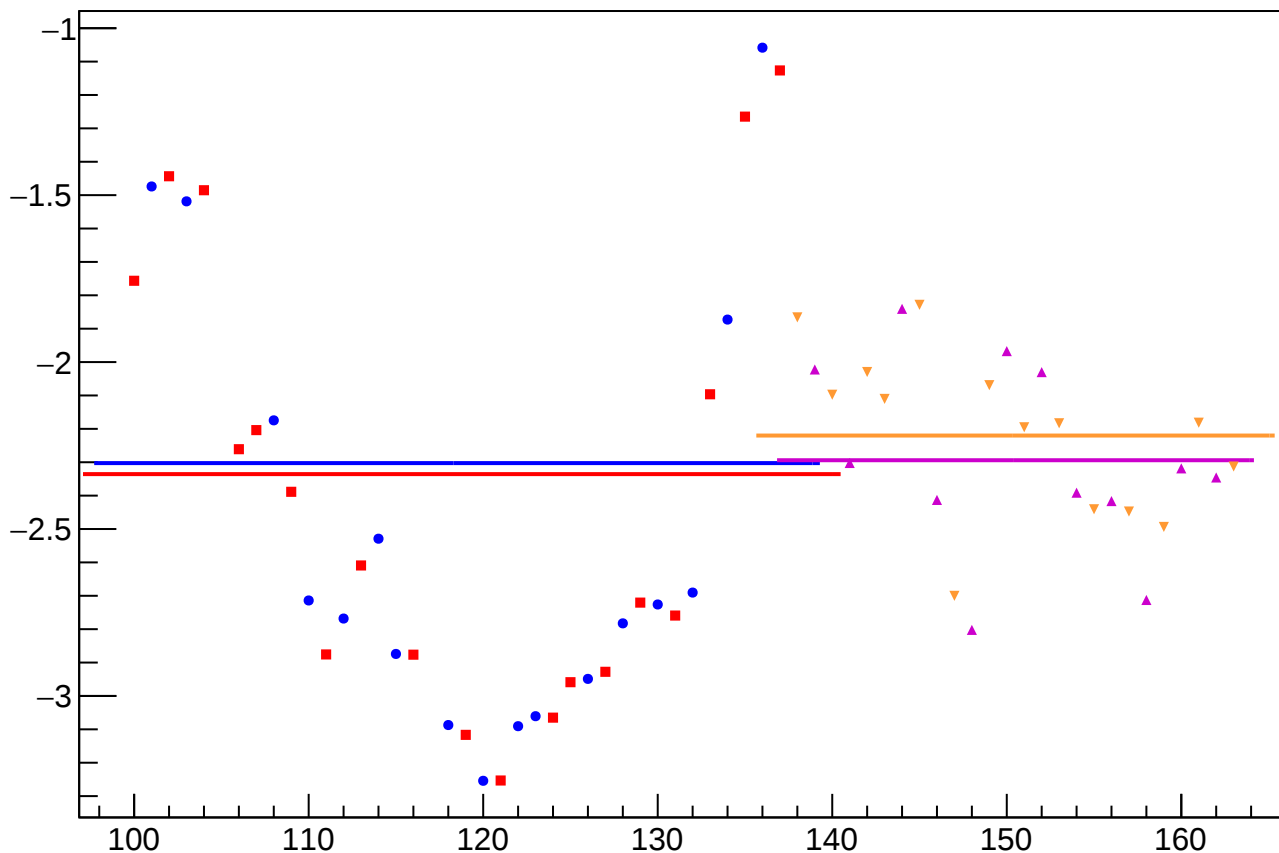
Left In: 0.010+/-0.000 χ^2/NDF : 459036.7/11

+ sign 0.008+/-0.000 χ^2/NDF : 1169994.9/30

All: 0.008+/-0.000 χ^2/NDF : 2699489.5/61

- sign 0.008+/-0.000 χ^2/NDF : 1524221.0/30

yield_bpm2i02Y_mean vs Slug



Right In: -2.303 ± 0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.220 ± 0.000 χ^2/NDF : 6943623835.8/13

Right Out: -2.336 ± 0.000 χ^2/NDF : 64499162456.4/18

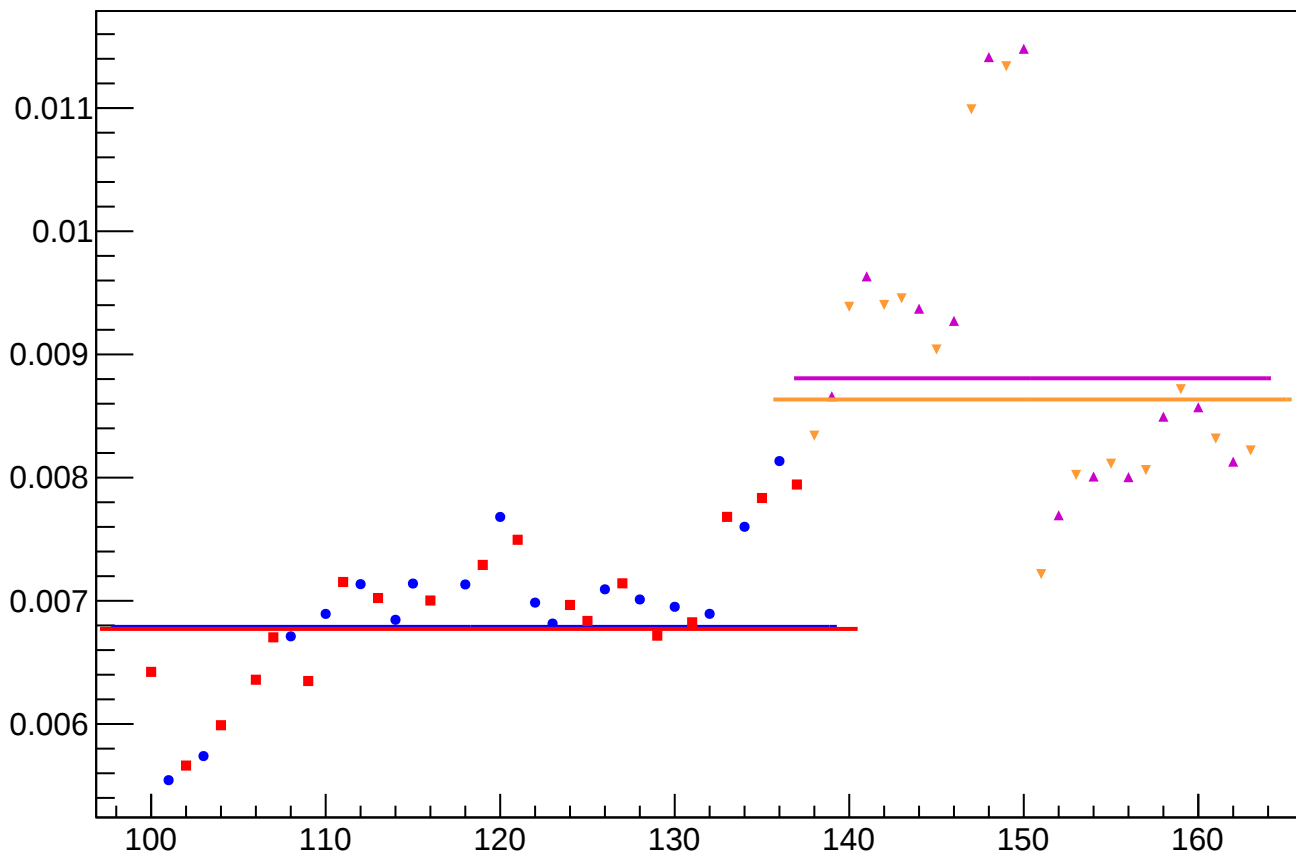
Left In: -2.294 ± 0.000 χ^2/NDF : 8408886109.5/11

+ sign -2.262 ± 0.000 χ^2/NDF : 81180388093.3/30

All: -2.289 ± 0.000 χ^2/NDF : 154629161141.6

- sign -2.317 ± 0.000 χ^2/NDF : 73026308500.1/30

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 : 284757.7/13

Right Out: 0.007+/-0.000 χ^2/NDF : 123244.0/18

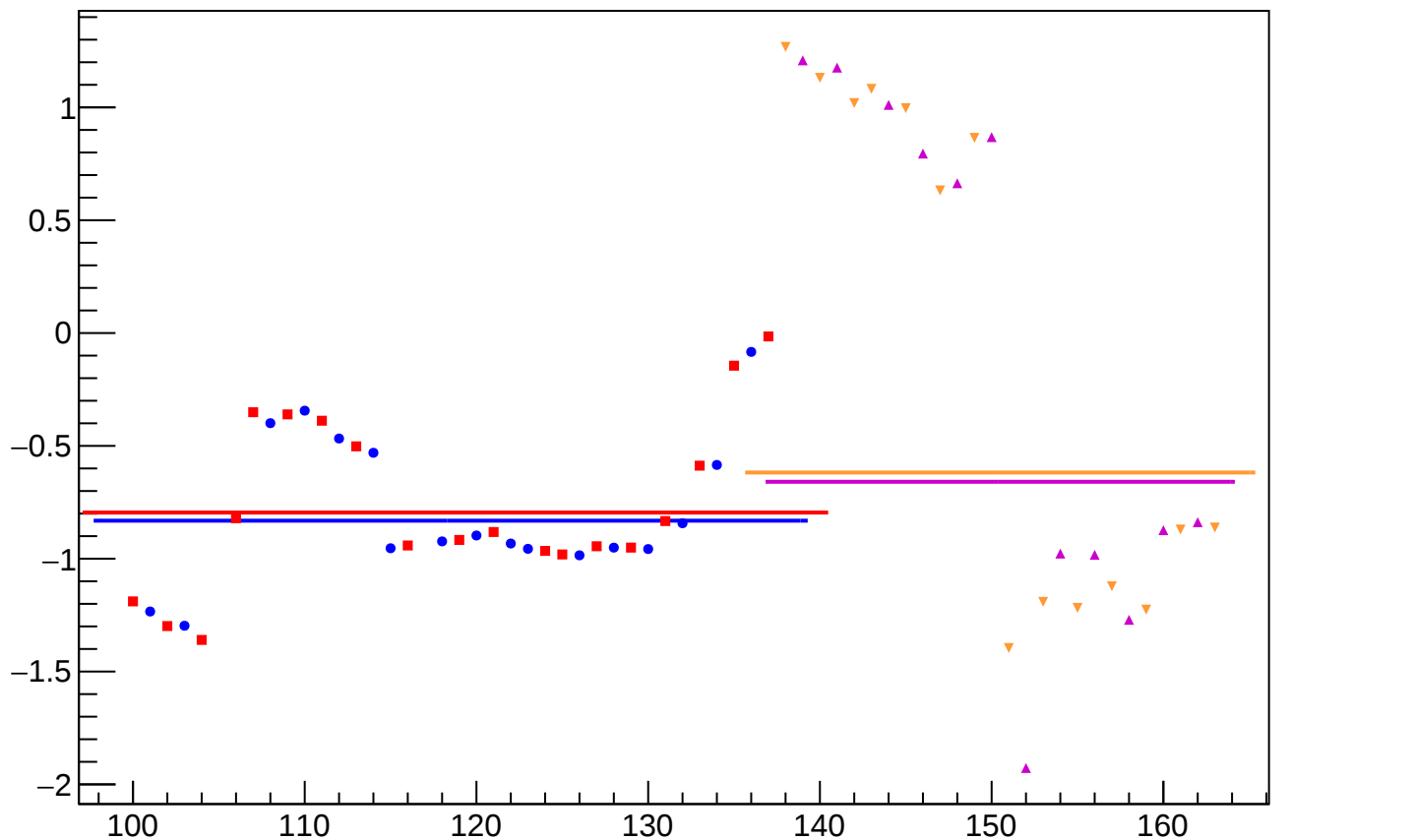
Left In: 0.009+/-0.000 χ^2/NDF : 281385.8/11

+ sign 0.008+/-0.000 χ^2/NDF : 931155.6/30

All: 0.008+/-0.000 χ^2/NDF : 1901990.2/61

- sign 0.008+/-0.000 χ^2/NDF : 970752.8/30

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.618 ± 0.000 χ^2/NDF : 110008860458.7/13

Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

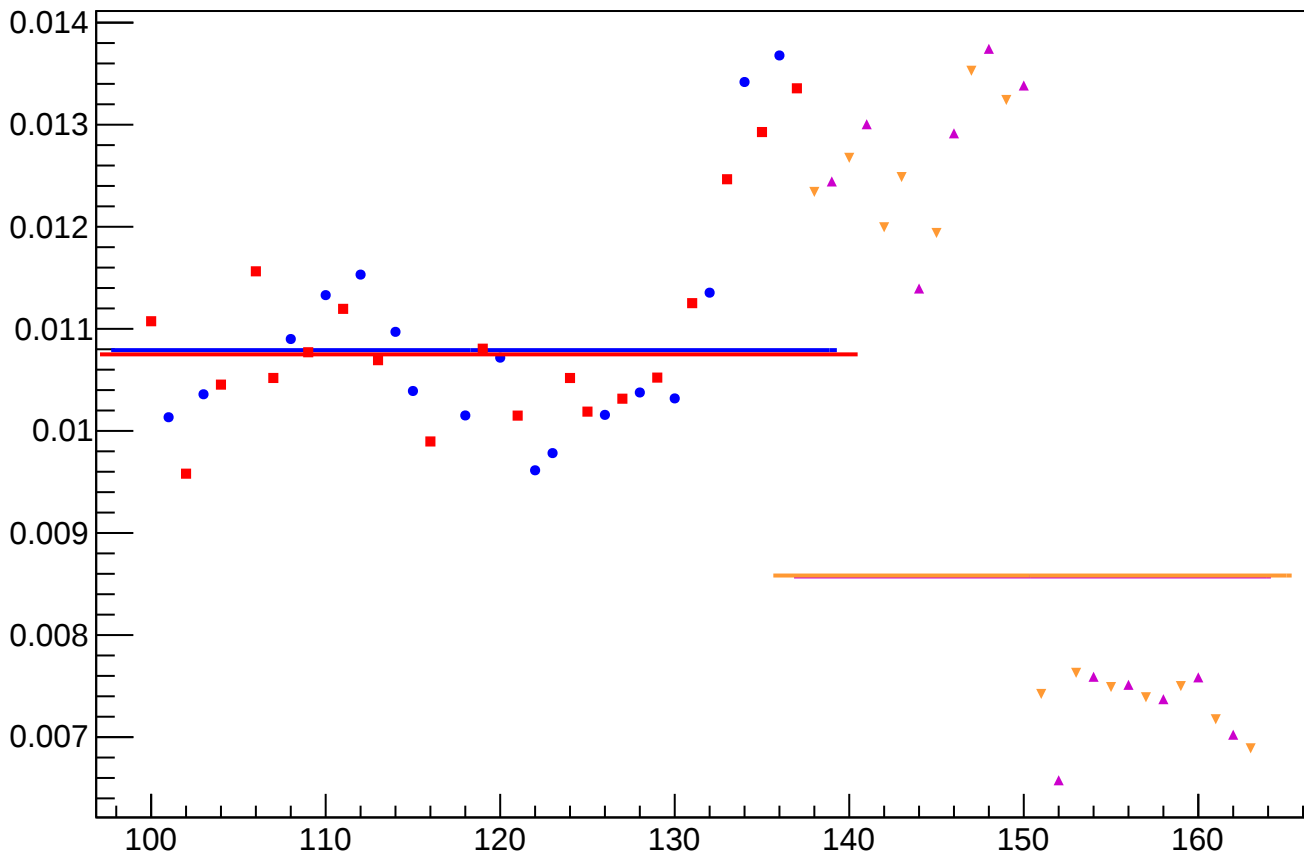
Left In: -0.659 ± 0.000 χ^2/NDF : 117575016940.6/11

+ sign -0.683 ± 0.000 χ^2/NDF : 118494543713.0/30

All: -0.693 ± 0.000 χ^2/NDF : 244676833337.0

- sign -0.704 ± 0.000 χ^2/NDF : 126138634930.0/30

yield_bpm0i01X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 125802.4/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1323758.1/13

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 90220.8/18

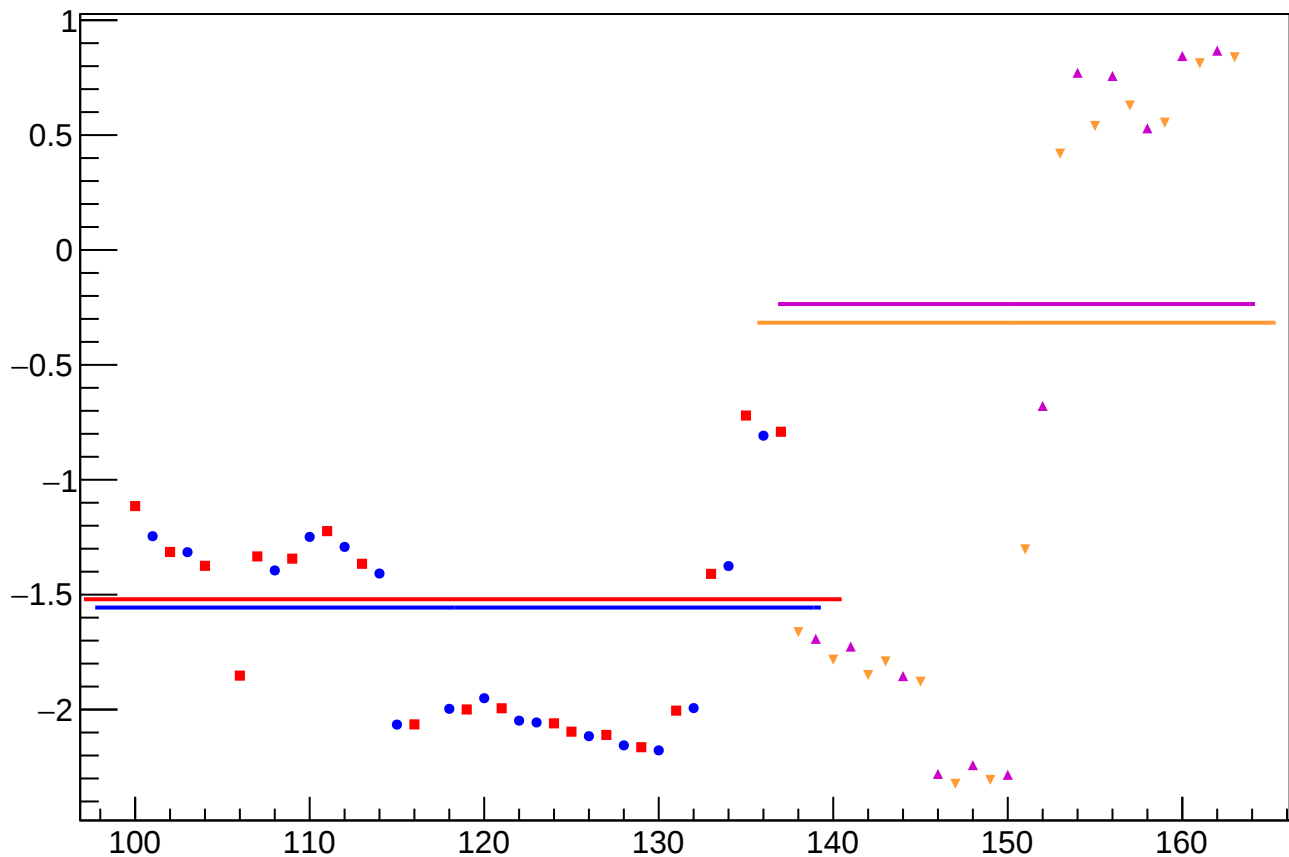
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1391390.6/11

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1833468.3/30

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 3692828.7/61

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1858971.0/30

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -0.317+/-0.000 χ^2/NDF : 1765845814870.0/13

Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

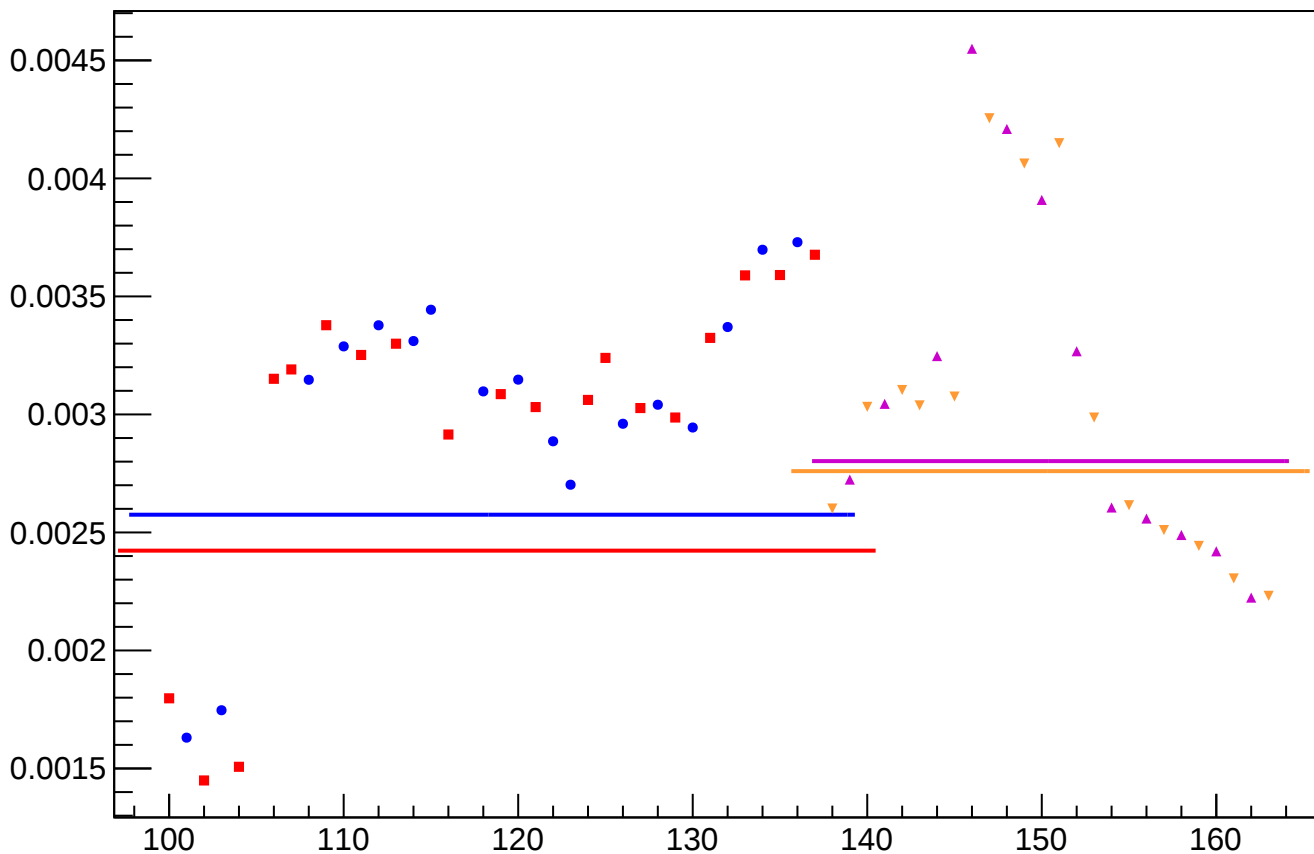
Left In: -0.235+/-0.000 χ^2/NDF : 1649573976634.2/11

+ sign -0.837+/-0.000 χ^2/NDF : 2681808011951.5/3

All: -0.843+/-0.000 χ^2/NDF : 5301380496902

- sign -0.850+/-0.000 χ^2/NDF : 2619395988665.7/30

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003+/-0.000 χ^2/NDF : 642524.3/13

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

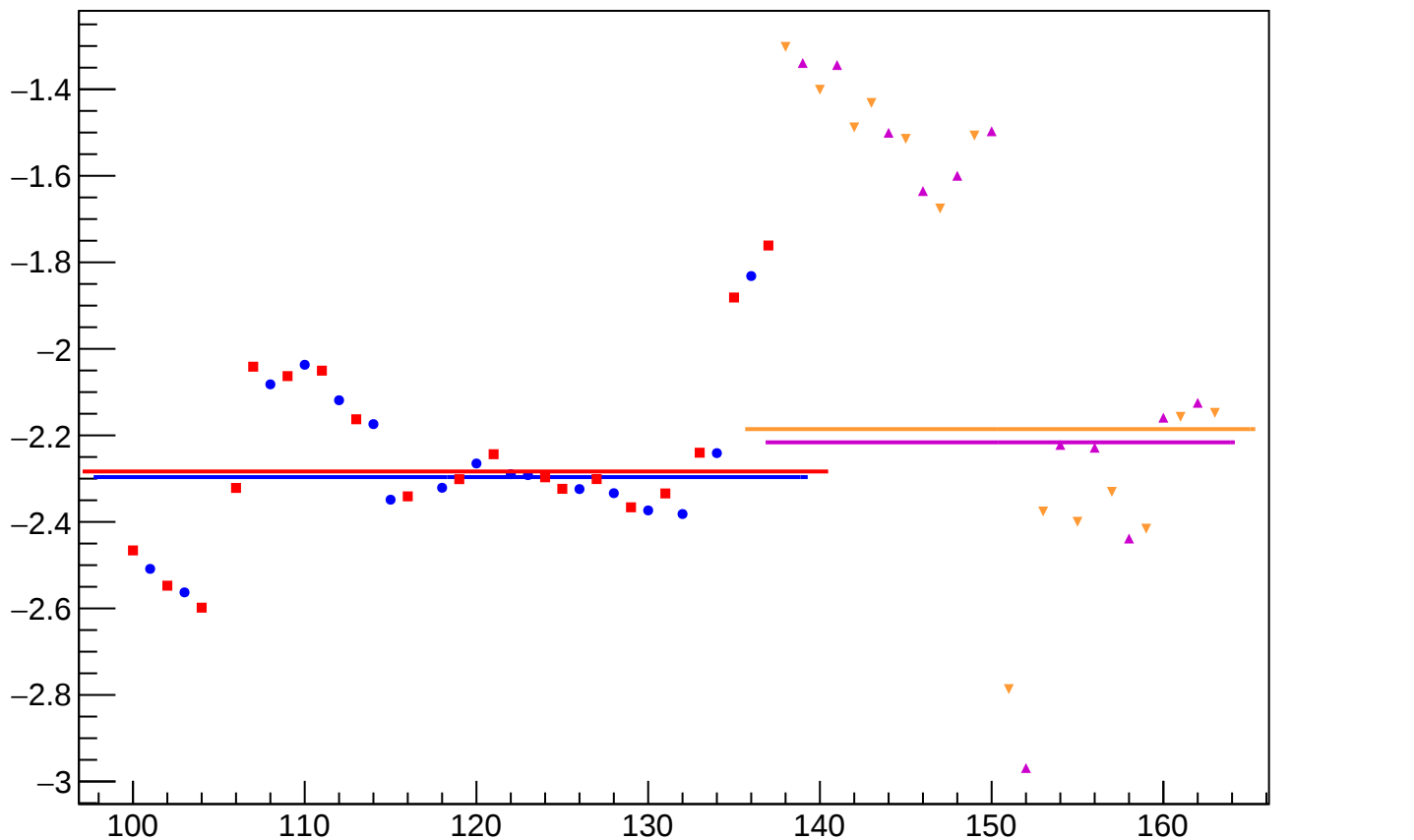
Left In: 0.003+/-0.000 χ^2/NDF : 656800.4/11

+ sign 0.003+/-0.000 χ^2/NDF : 1690108.2/30

All: 0.003+/-0.000 χ^2/NDF : 3989668.7/61

- sign 0.003+/-0.000 χ^2/NDF : 2291879.4/30

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.186+/-0.000 χ^2/NDF : 51015979682.1/13

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

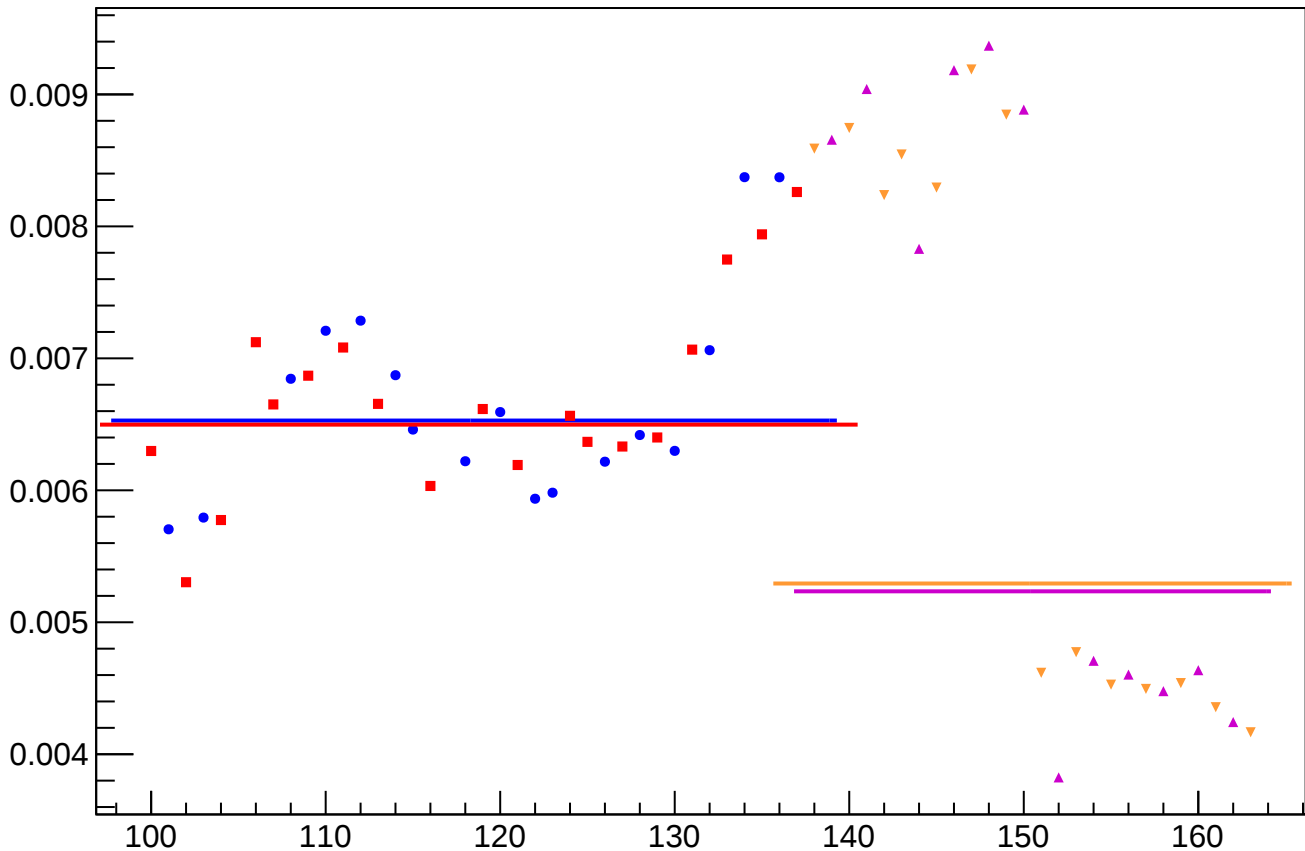
Left In: -2.216+/-0.000 χ^2/NDF : 66125968751.2/11

+ sign -2.221+/-0.000 χ^2/NDF : 58075541937.1/30

All: -2.230+/-0.000 χ^2/NDF : 131310427205.2

- sign -2.239+/-0.000 χ^2/NDF : 73152440686.6/30

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 176467.7/16

Left Out: 0.005+/-0.000 χ^2/NDF :1807270.2/13

Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

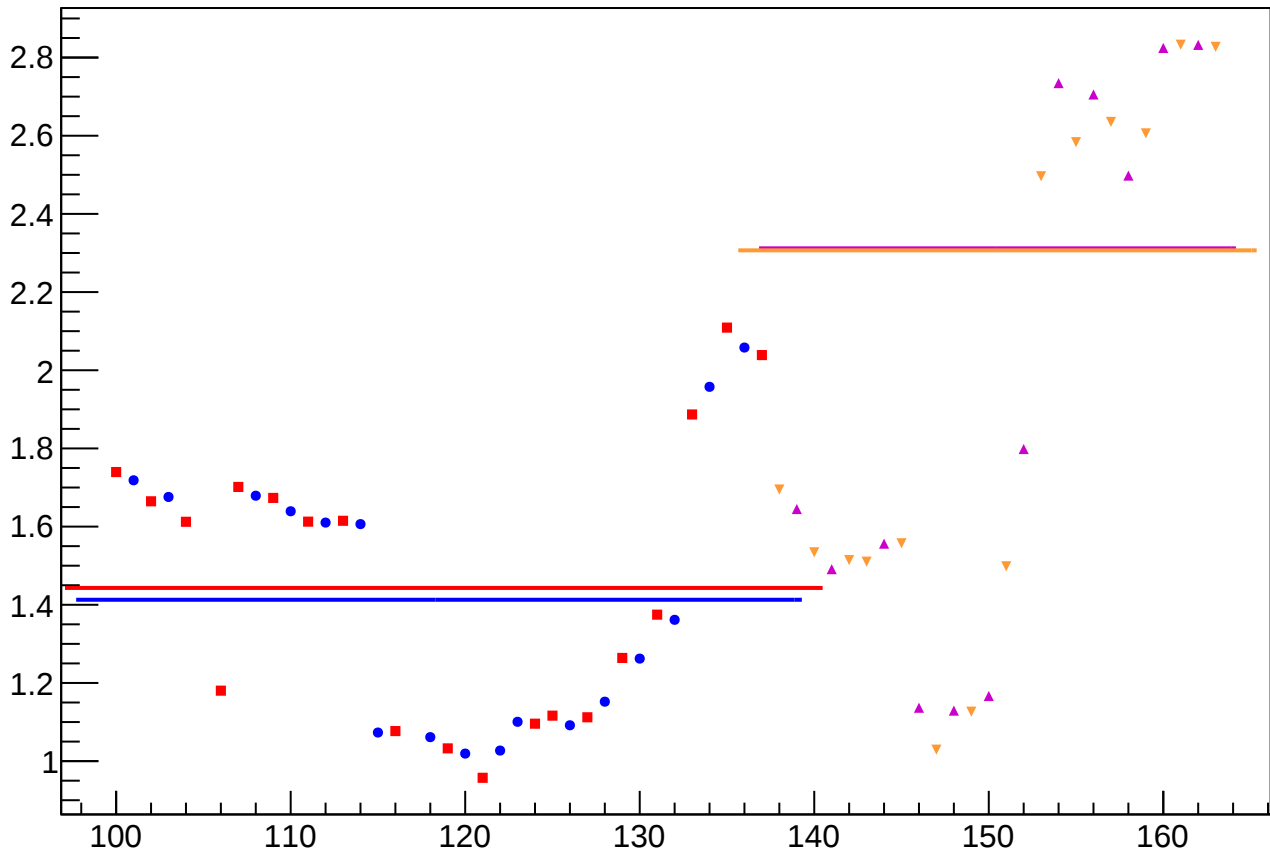
Left In: 0.005+/-0.000 χ^2/NDF :1940989.2/11

+ sign 0.006+/-0.000 χ^2/NDF : 2299976.9/30

All: 0.006+/-0.000 χ^2/NDF : 4741278.9/61

- sign 0.006+/-0.000 χ^2/NDF : 2441200.0/30

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.307+/-0.000 χ^2/NDF : 196511838597.6/13

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

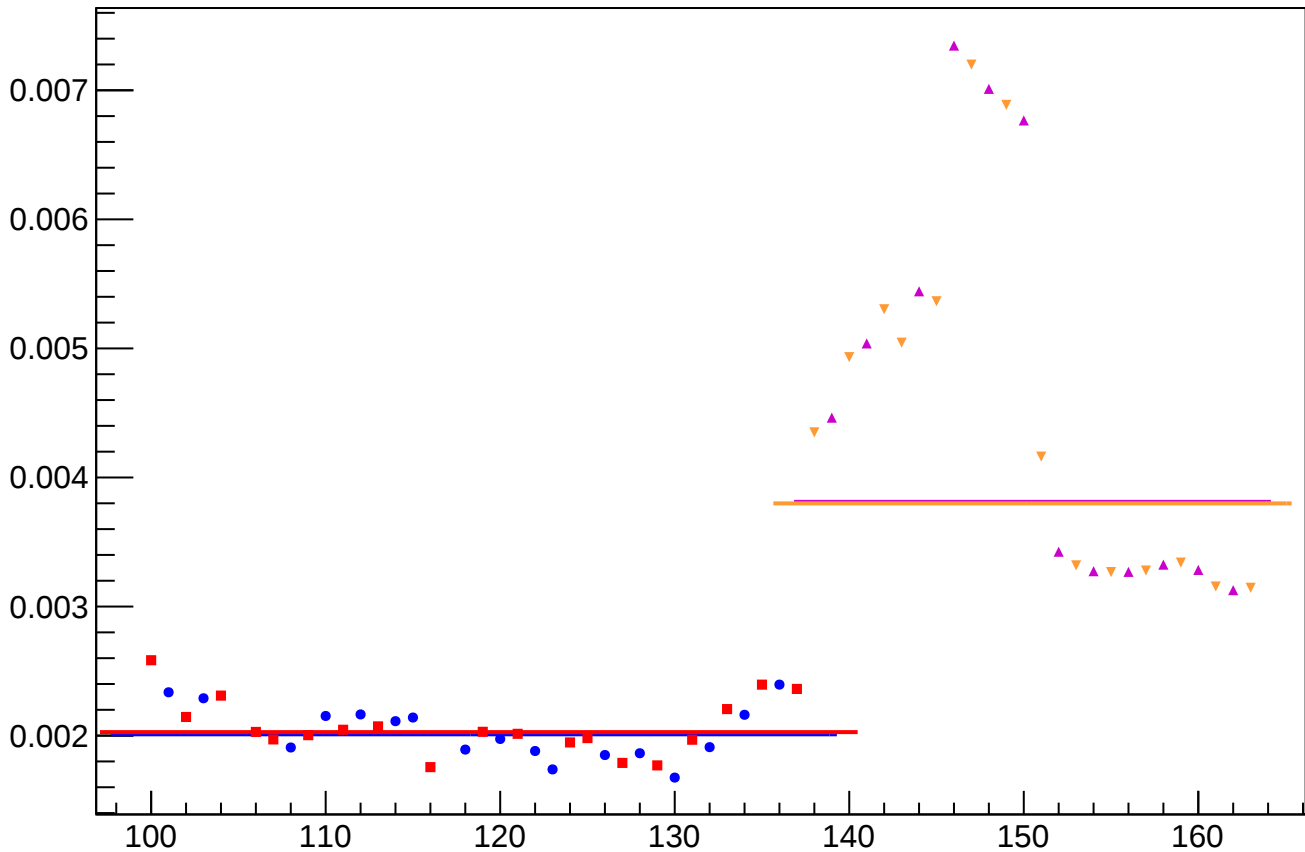
Left In: 2.312+/-0.000 χ^2/NDF : 190953609907.2/11

+ sign 1.674+/-0.000 χ^2/NDF : 725752967183.7/30

All: 1.674+/-0.000 χ^2/NDF : 1406037242574.

- sign 1.674+/-0.000 χ^2/NDF : 680283925675.6/30

yield_bpm0i01aY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 152530.4/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1161796.6/13

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 103926.2/18

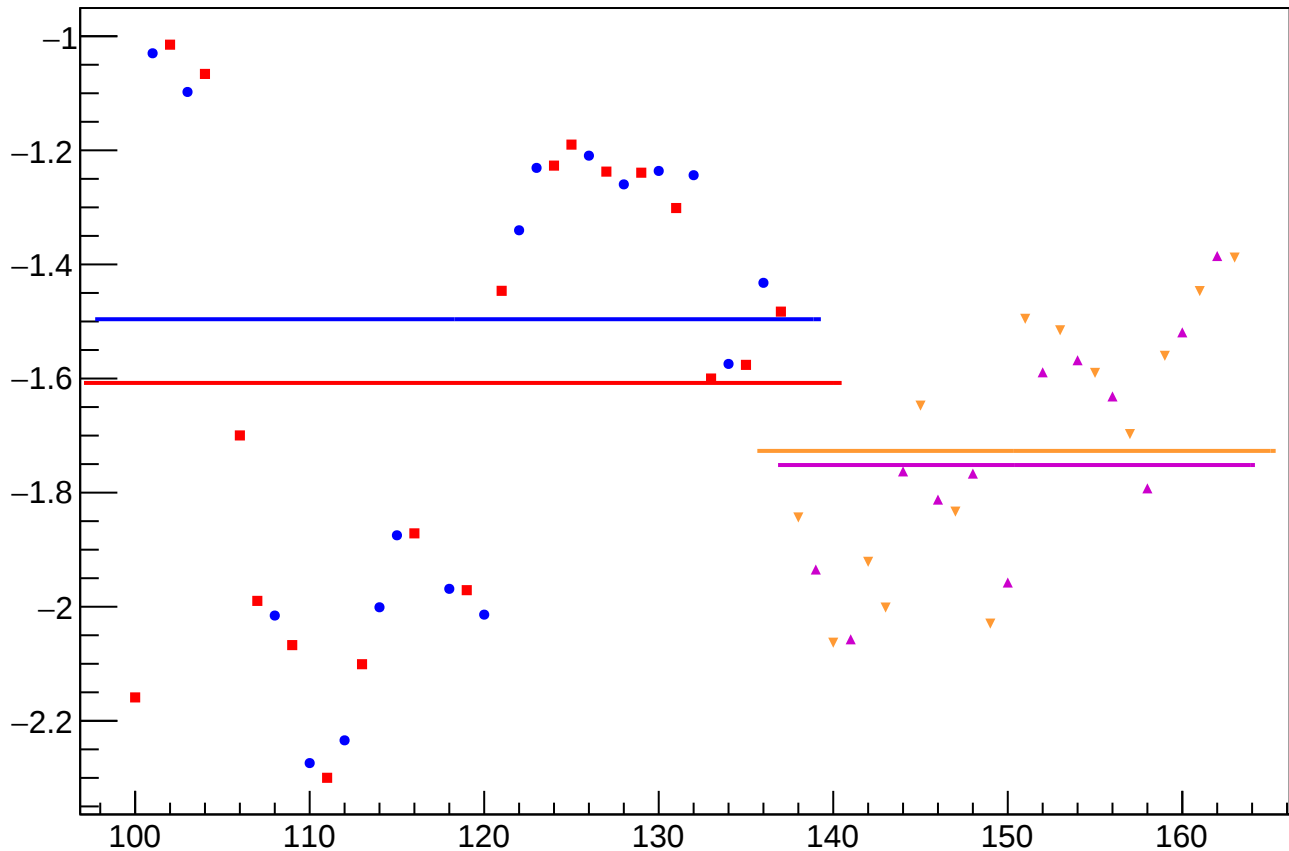
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1328163.9/11

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4171690.6/30

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 8271330.9/61

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4097338.1/30

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.727+/-0.000 χ^2/NDF : 13228744027.8/13

Right Out: -1.608+/-0.000 χ^2/NDF : 27836461057.4/18

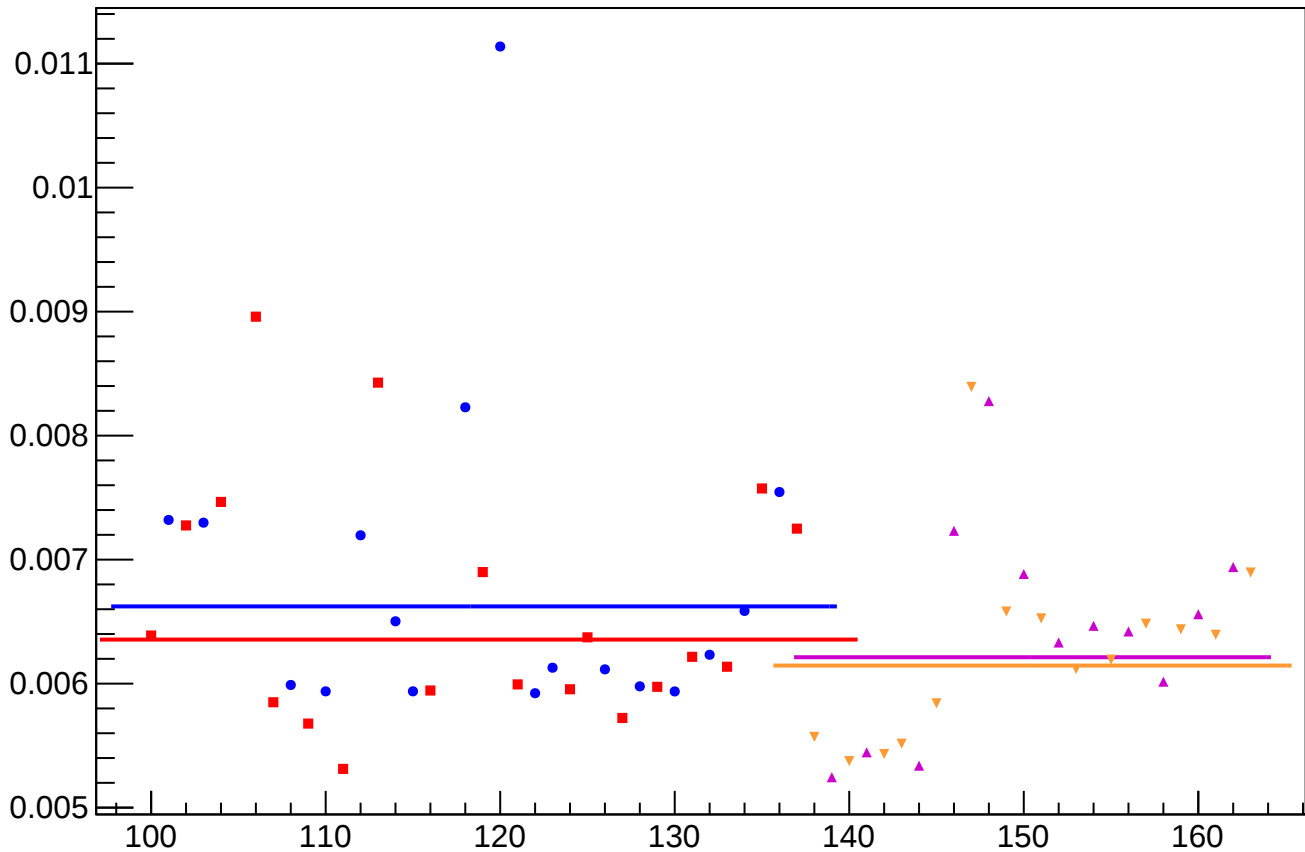
Left In: -1.752+/-0.000 χ^2/NDF : 8641727591.1/11

+ sign -1.647+/-0.000 χ^2/NDF : 40576545414.5/30

All: -1.669+/-0.000 χ^2/NDF : 79455715209.6/30

- sign -1.692+/-0.000 χ^2/NDF : 38463680192.8/30

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 232630.4/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 219908.7/13

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 227861.1/18

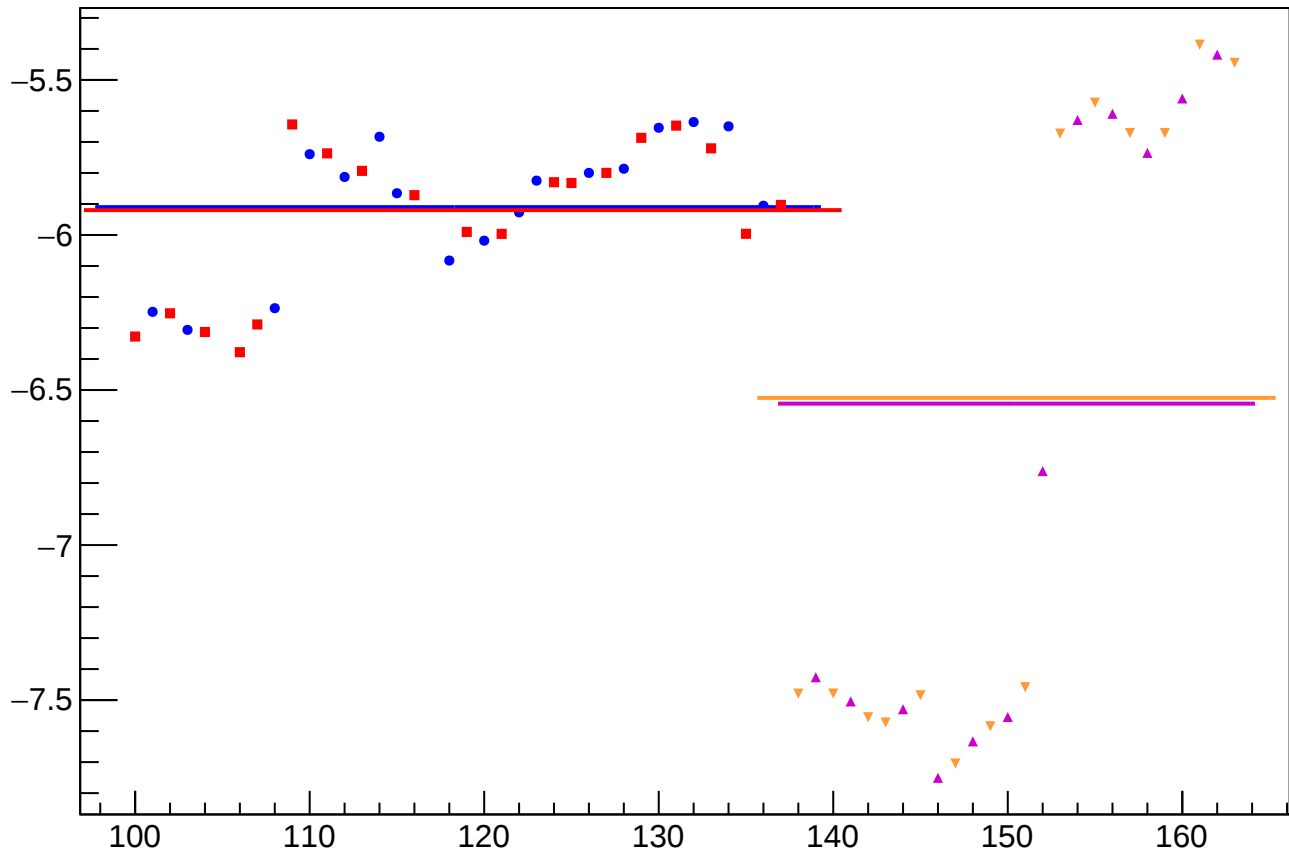
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 280704.9/11

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 493738.9/30

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1006826.3/61

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 512448.6/30

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.525+/-0.000 χ^2/NDF : 136107869909.5/13

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

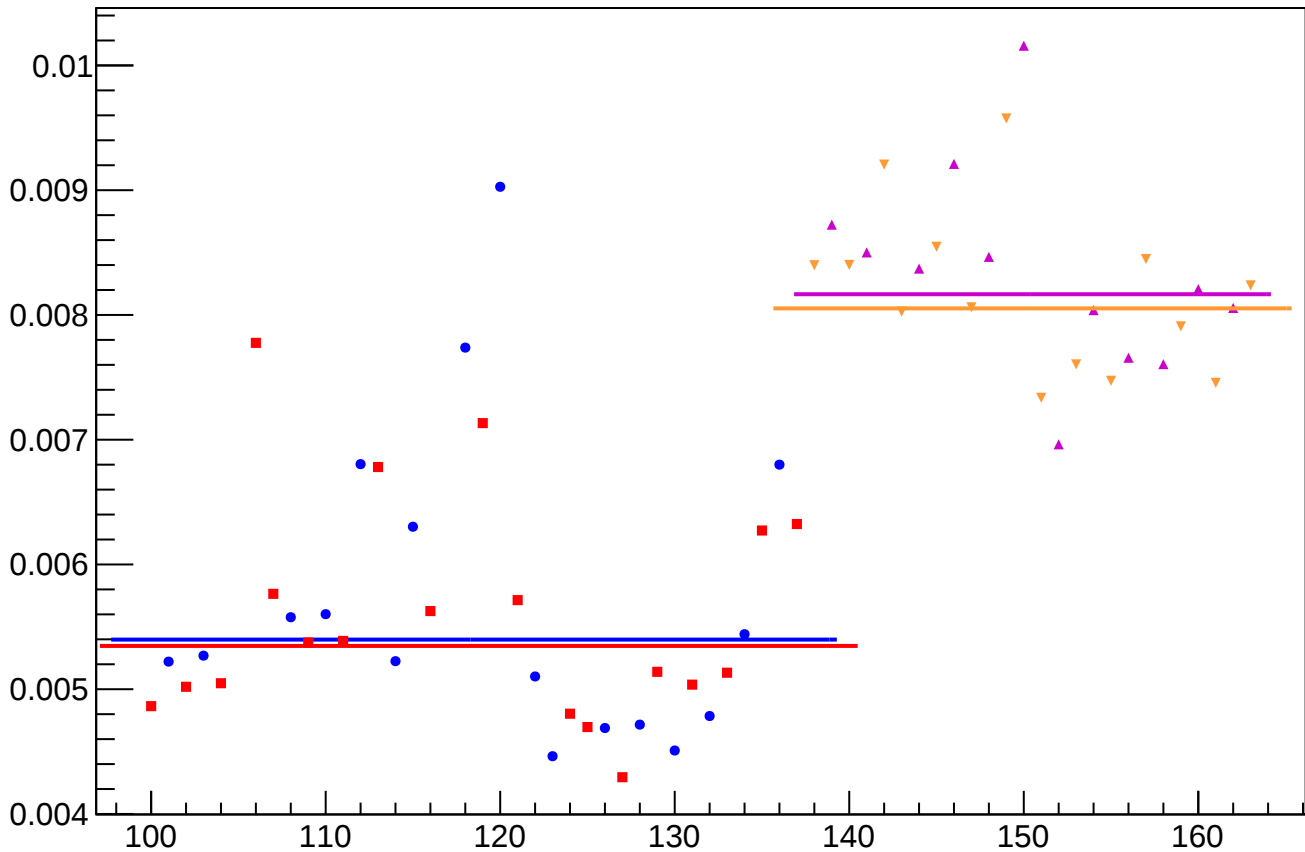
Left In: -6.544+/-0.000 χ^2/NDF : 110026739167.5/11

+ sign -6.161+/-0.000 χ^2/NDF : 178499836273.1/30

All: -6.154+/-0.000 χ^2/NDF : 332915321946.5

- sign -6.147+/-0.000 χ^2/NDF : 154383580907.7/30

yield_bpm0l01Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 371347.4/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:94064.2/13

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 249377.5/18

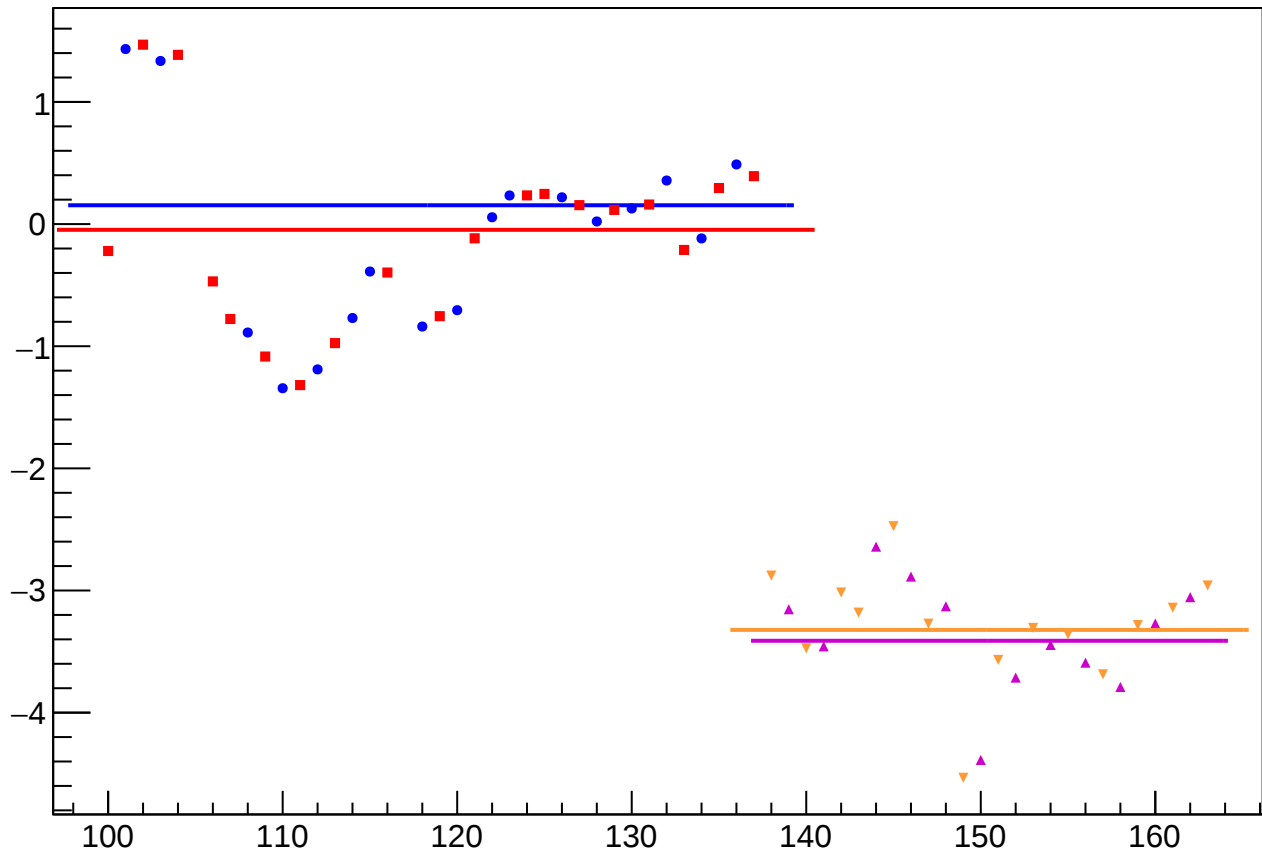
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:141228.7/11

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1629278.4/30

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 3312172.9/61

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1679043.2/30

yield_bpm0l02X_mean vs Slug



Right In: 0.154 $\pm$ 0.000 χ^2 /NDF: 16988256953.8/16

Left Out: -3.323 $\pm$ 0.000 χ^2 /NDF: 7504648950.8/13

Right Out: -0.047 $\pm$ 0.000 χ^2 /NDF: 21211430471.1/18

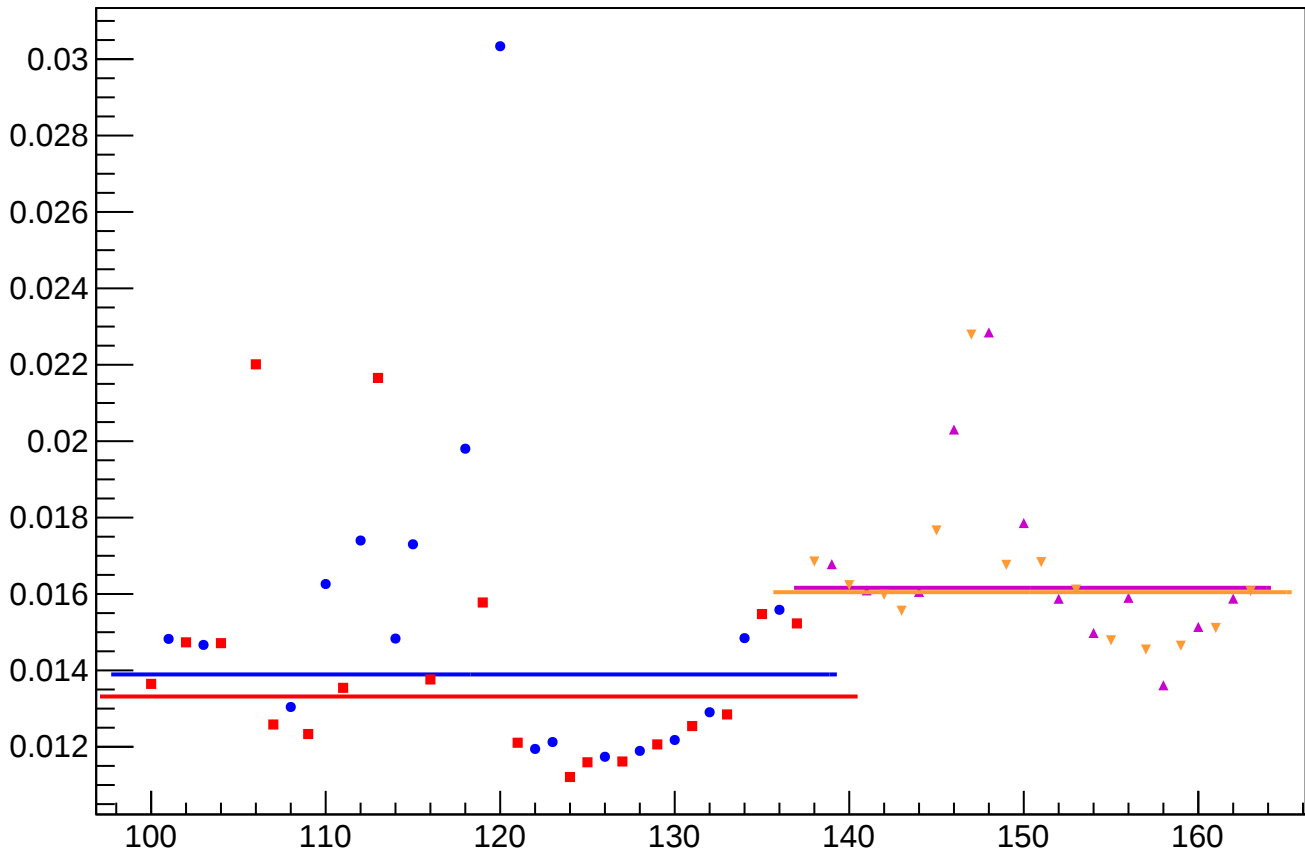
Left In: -3.412 $\pm$ 0.000 χ^2 /NDF: 6490602549.4/11

+ sign -1.783 $\pm$ 0.000 χ^2 /NDF: 231041645697.6/30

All: -1.737 $\pm$ 0.000 χ^2 /NDF: 460635294638.5

- sign -1.692 $\pm$ 0.000 χ^2 /NDF: 229302916303.6/30

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 400569.4/16

Left Out: 0.016+/-0.000 χ^2/NDF :194148.9/13

Right Out: 0.013+/-0.000 χ^2/NDF : 291358.0/18

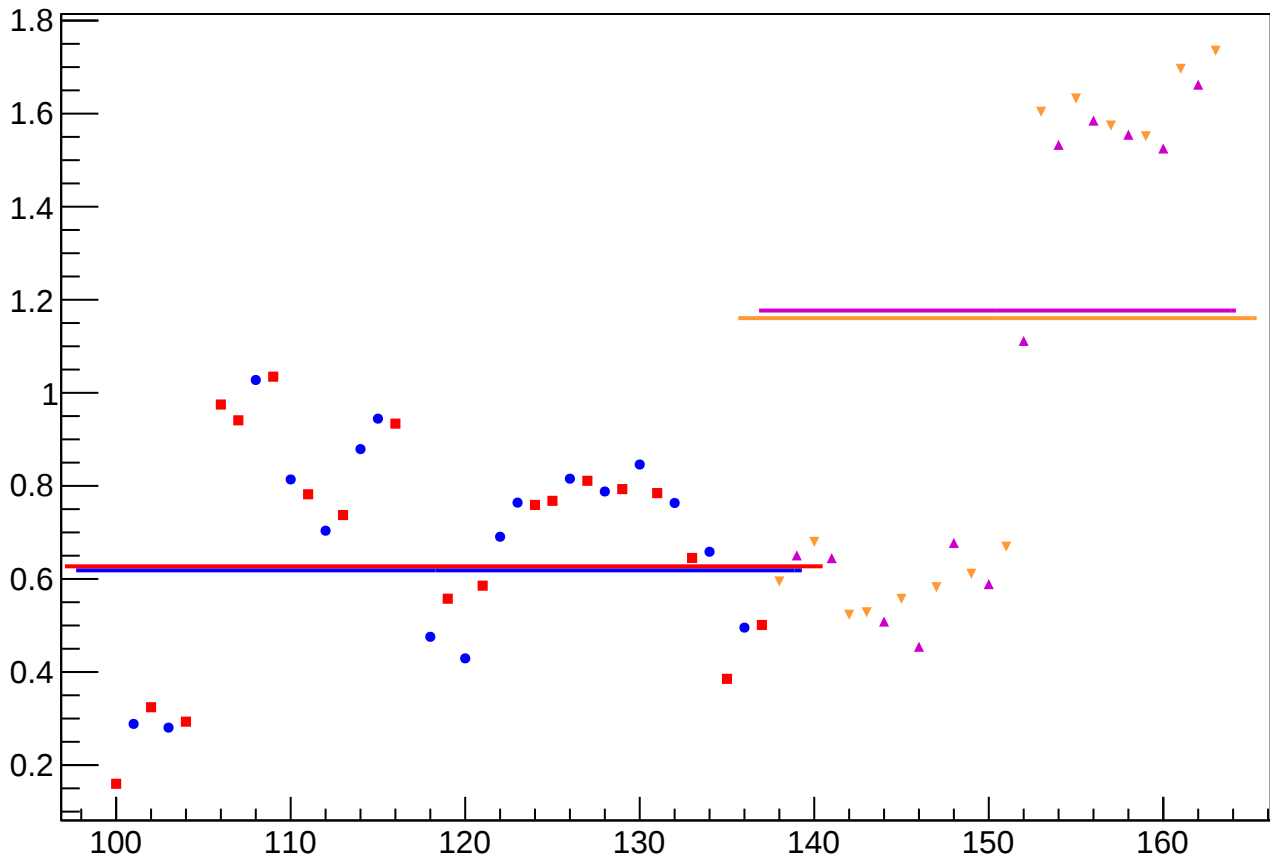
Left In: 0.016+/-0.000 χ^2/NDF :274488.0/11

+ sign 0.015+/-0.000 χ^2/NDF : 753063.0/30

All: 0.015+/-0.000 χ^2/NDF : 1617688.5/61

- sign 0.015+/-0.000 χ^2/NDF : 854185.7/30

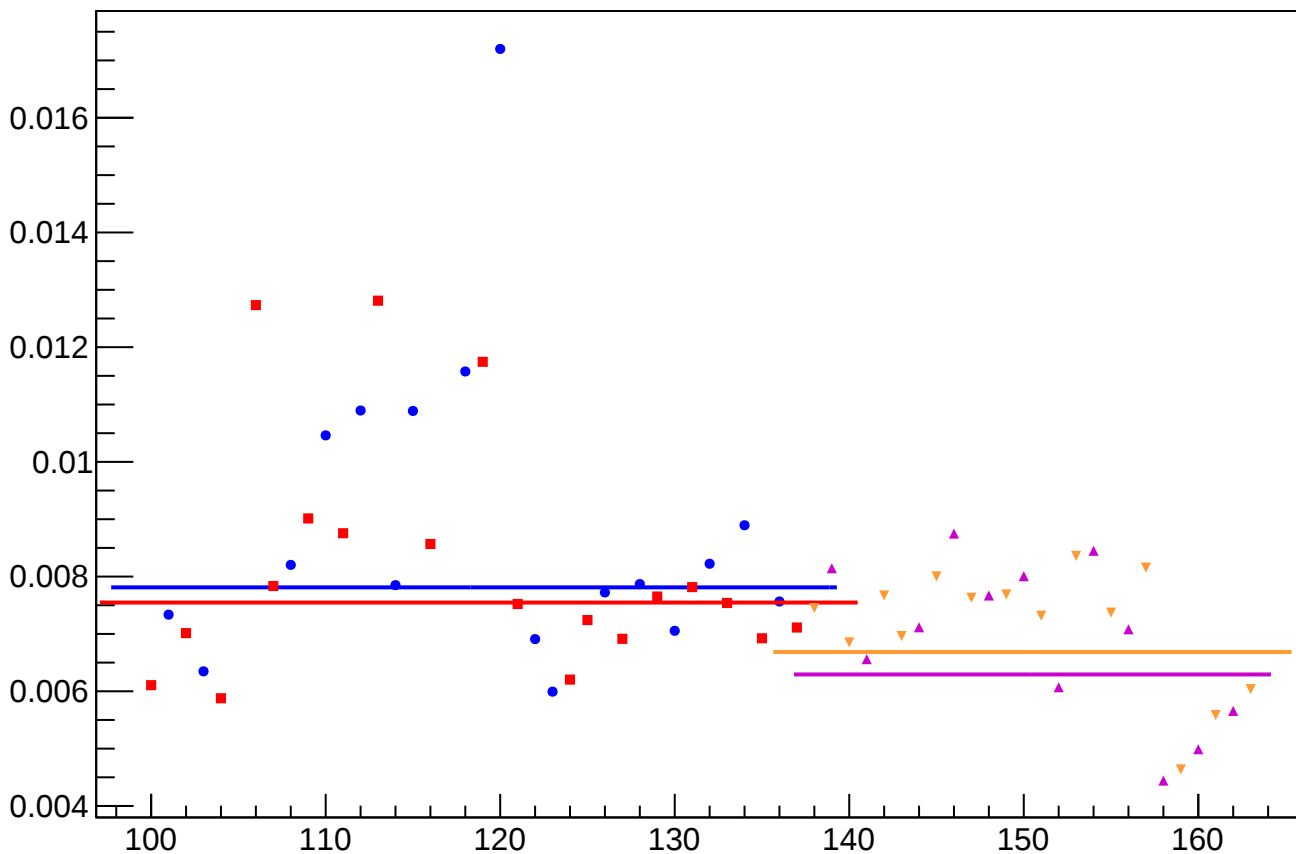
yield_bpm0l02Y_mean vs Slug



Right In: 0.619 ± 0.000 χ^2/NDF : 5416939288.1/16
 Left Out: 1.160 ± 0.000 χ^2/NDF : 54883818611.9/13
 Right Out: 0.627 ± 0.000 χ^2/NDF : 6337935219.4/18
 Left In: 1.177 ± 0.000 χ^2/NDF : 45710666109.0/11

+ sign 0.989 ± 0.000 χ^2/NDF : 79466878193.2/30
 All: 0.991 ± 0.000 χ^2/NDF : 153401927526.2
 - sign 0.993 ± 0.000 χ^2/NDF : 73932563392.3/30

yield_bpm0l02Y_rms vs Slug



Right In: 0.008 ± 0.000 χ^2/NDF : 466827.3/16

Left Out: 0.007 ± 0.000 χ^2/NDF : 615314.0/13

Right Out: 0.008 ± 0.000 χ^2/NDF : 441823.4/18

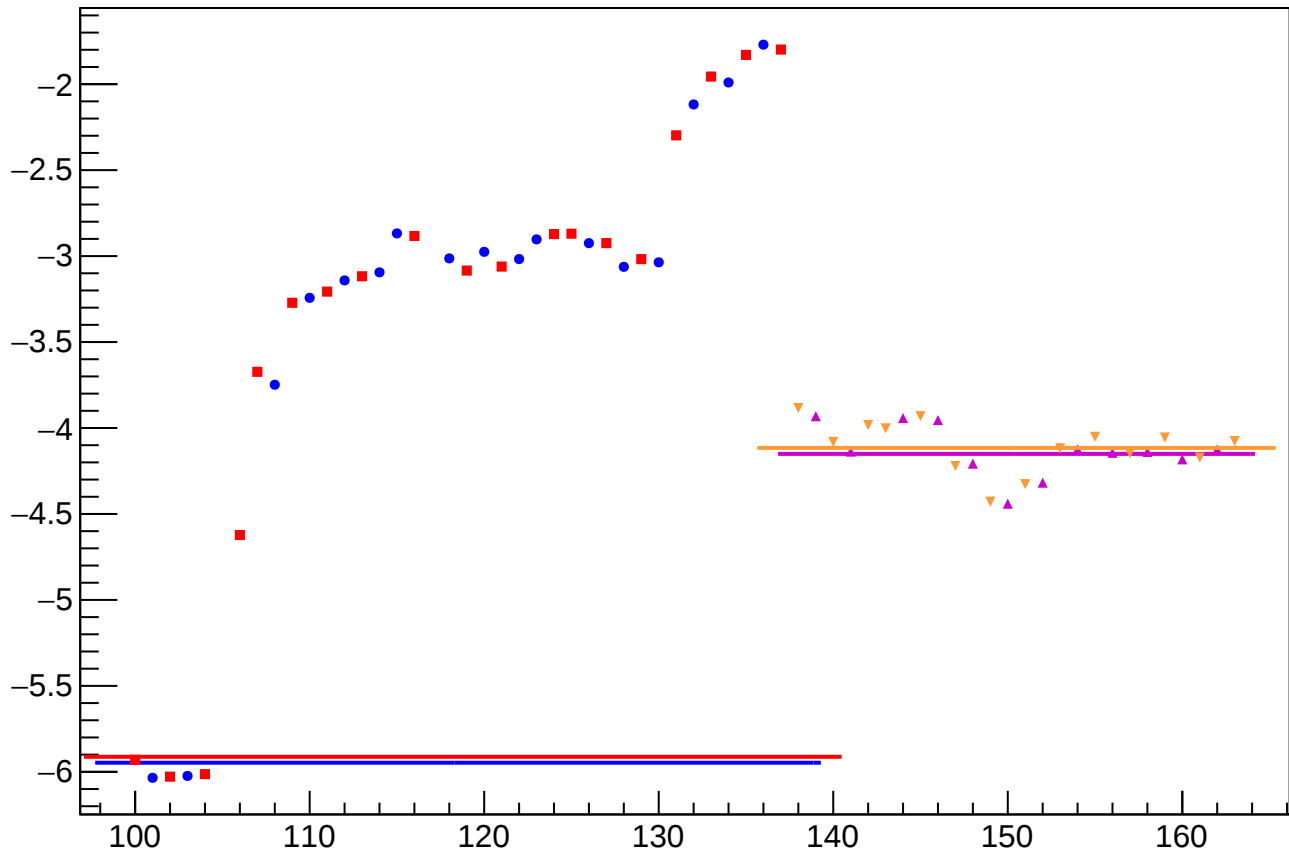
Left In: 0.006 ± 0.000 χ^2/NDF : 836313.3/11

+ sign 0.007 ± 0.000 χ^2/NDF : 1247694.7/30

All: 0.007 ± 0.000 χ^2/NDF : 2787621.3/61

- sign 0.007 ± 0.000 χ^2/NDF : 1505885.4/30

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.116+/-0.000 χ^2/NDF : 29815838.4/13

Right Out: -5.912+/-0.000 χ^2/NDF : 14619971495.0/18

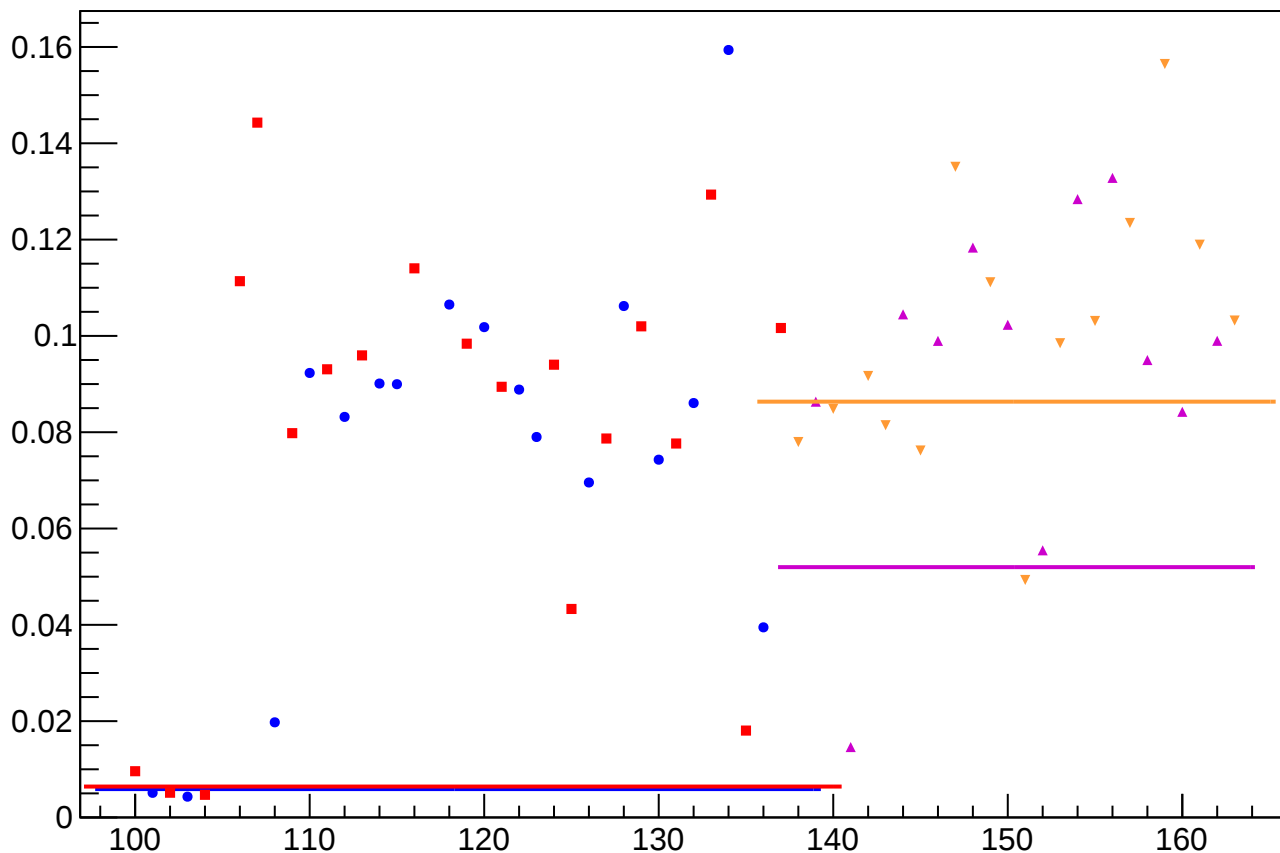
Left In: -4.151+/-0.000 χ^2/NDF : 21099057.9/11

+ sign -5.905+/-0.000 χ^2/NDF : 16872561097.4/30

All: -5.874+/-0.000 χ^2/NDF : 36725341408.2

- sign -5.836+/-0.000 χ^2/NDF : 19751326627.0/30

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2/NDF : 7934545.2/16

Left Out: 0.086 $\pm$ 0.000 χ^2/NDF :1527653.5/13

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 8498586.9/18

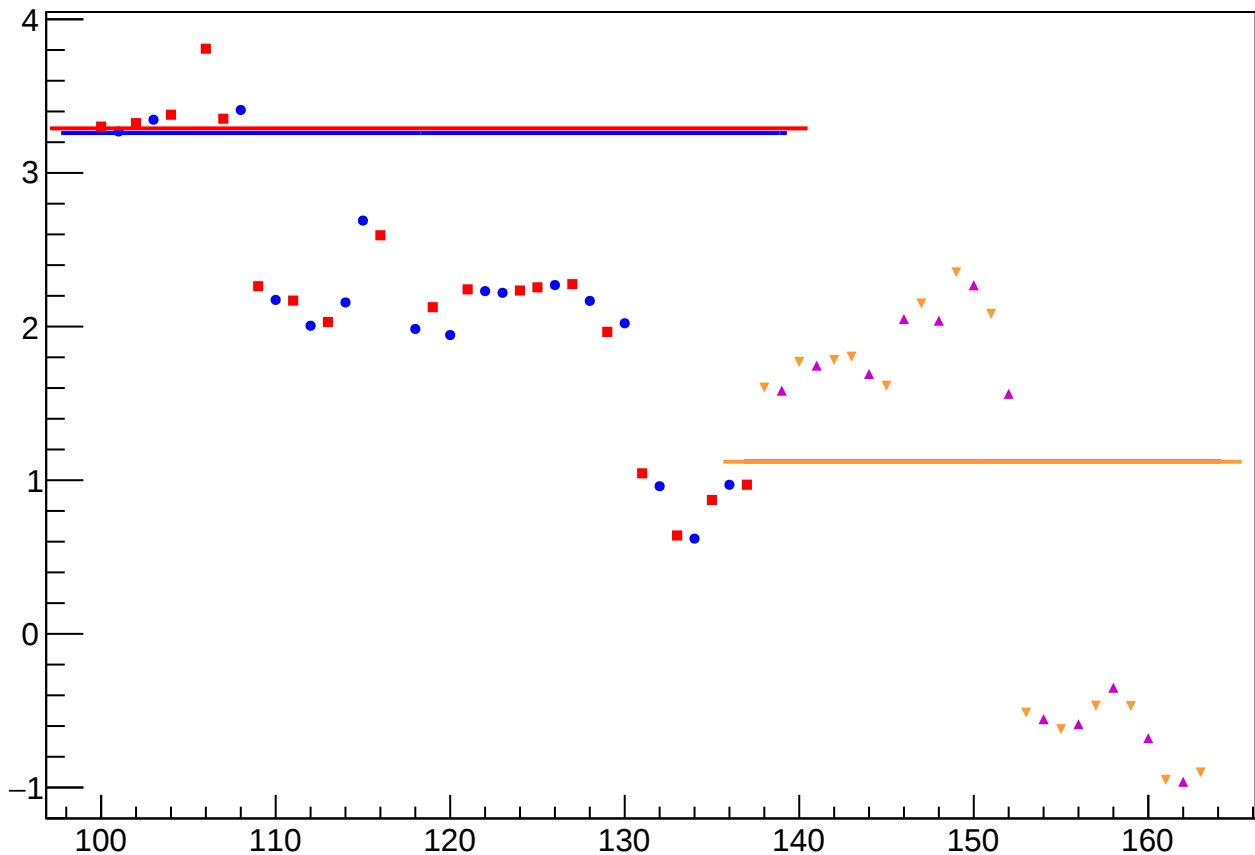
Left In: 0.052 $\pm$ 0.000 χ^2/NDF :5872295.1/11

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 23657912.2/30

All: 0.008 $\pm$ 0.000 χ^2/NDF : 44881757.7/61

- sign 0.008 $\pm$ 0.000 χ^2/NDF : 21206530.8/30

yield_bpm0l03Y_mean vs Slug



Right In: 3.259 $\pm$ 0.000 χ^2/NDF : 2921931976.8/16

Left Out: 1.120 $\pm$ 0.000 χ^2/NDF : 1472529191.3/13

Right Out: 3.290 $\pm$ 0.000 χ^2/NDF : 3262231575.5/18

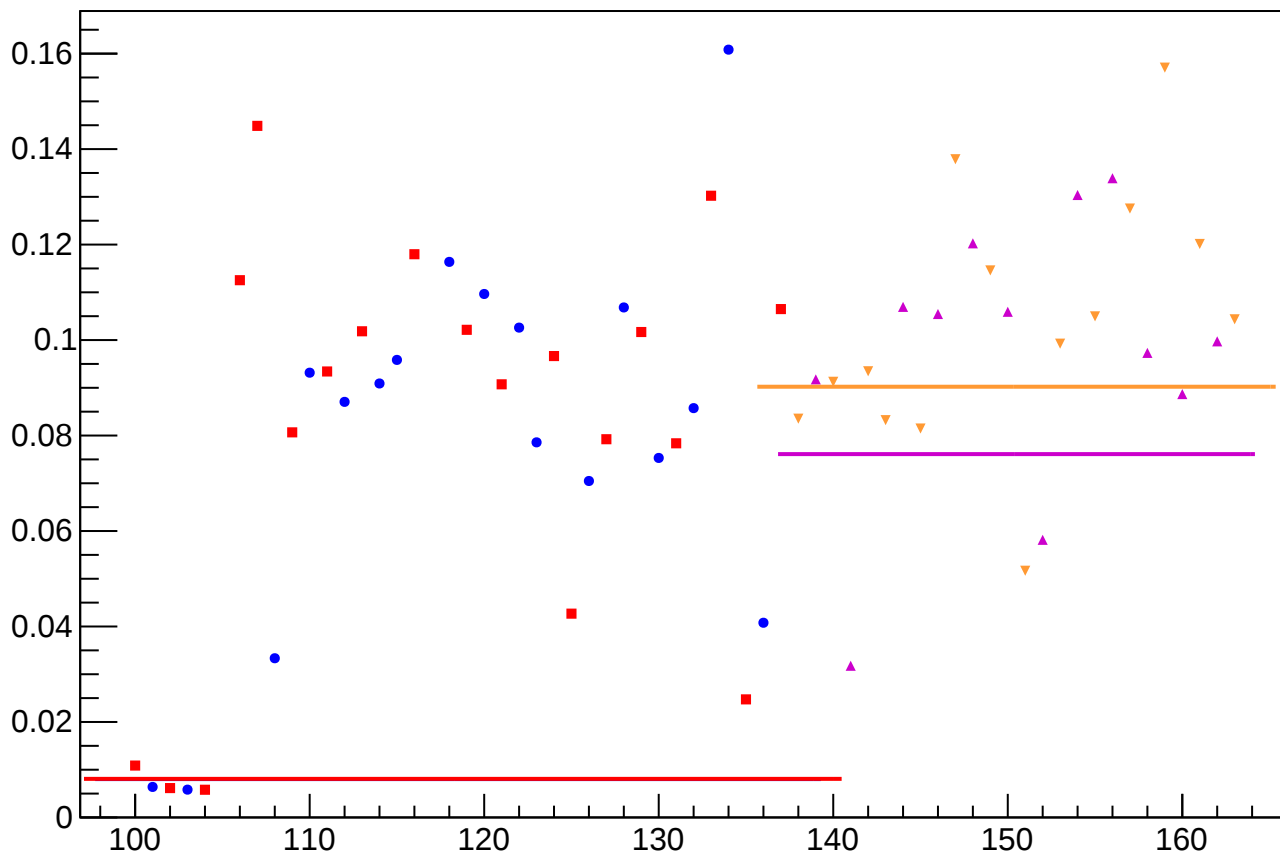
Left In: 1.122 $\pm$ 0.000 χ^2/NDF : 1318016089.0/11

+ sign 3.185 $\pm$ 0.000 χ^2/NDF : 8977426805.4/30

All: 3.193 $\pm$ 0.000 χ^2/NDF : 18581987758.1/6

- sign 3.202 $\pm$ 0.000 χ^2/NDF : 9600166159.0/30

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.090 $\pm$ 0.000 χ^2 /NDF:1391987.5/13

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

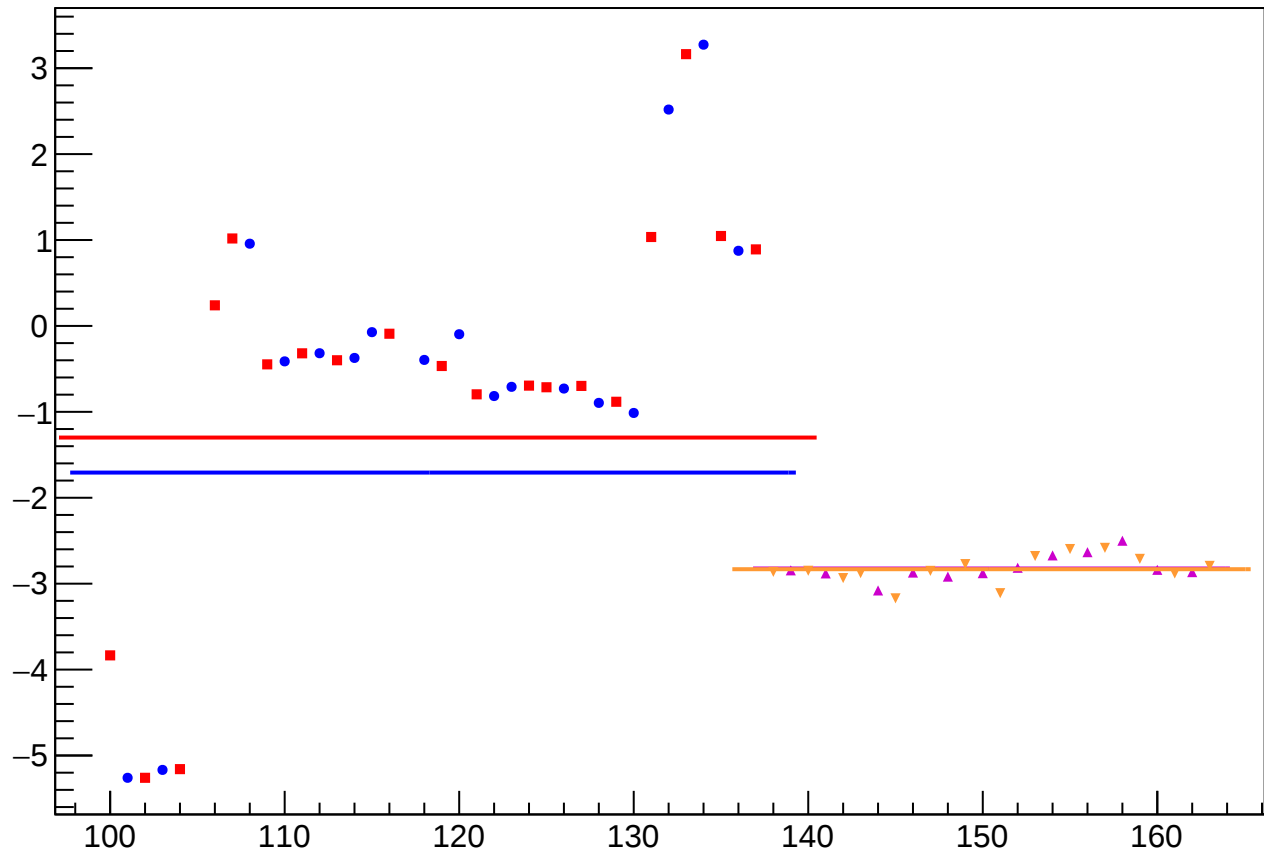
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:2613101.2/11

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 22664103.4/30

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 43474500.0/61

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 20810248.2/30

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.832+/-0.000 χ^2/NDF : 4357391785.9/13

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

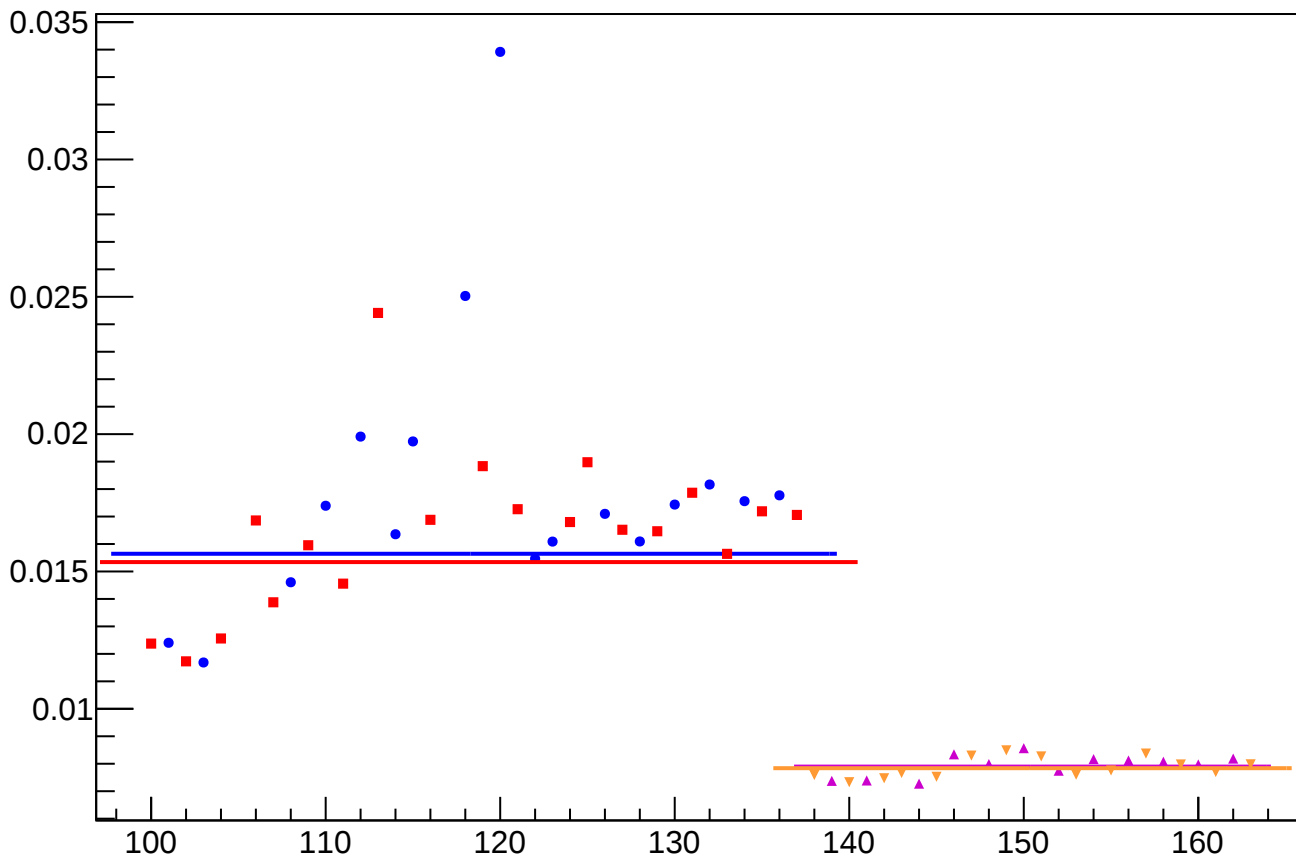
Left In: -2.823+/-0.000 χ^2/NDF : 3223200211.0/11

+ sign -2.693+/-0.000 χ^2/NDF : 195881955291.0/30

All: -2.645+/-0.000 χ^2/NDF : 429970253790.1

- sign -2.594+/-0.000 χ^2/NDF : 233204159569.3/30

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 578244.3/16

Left Out: 0.008+/-0.000 χ^2/NDF : 40517.8/13

Right Out: 0.015+/-0.000 χ^2/NDF : 353806.7/18

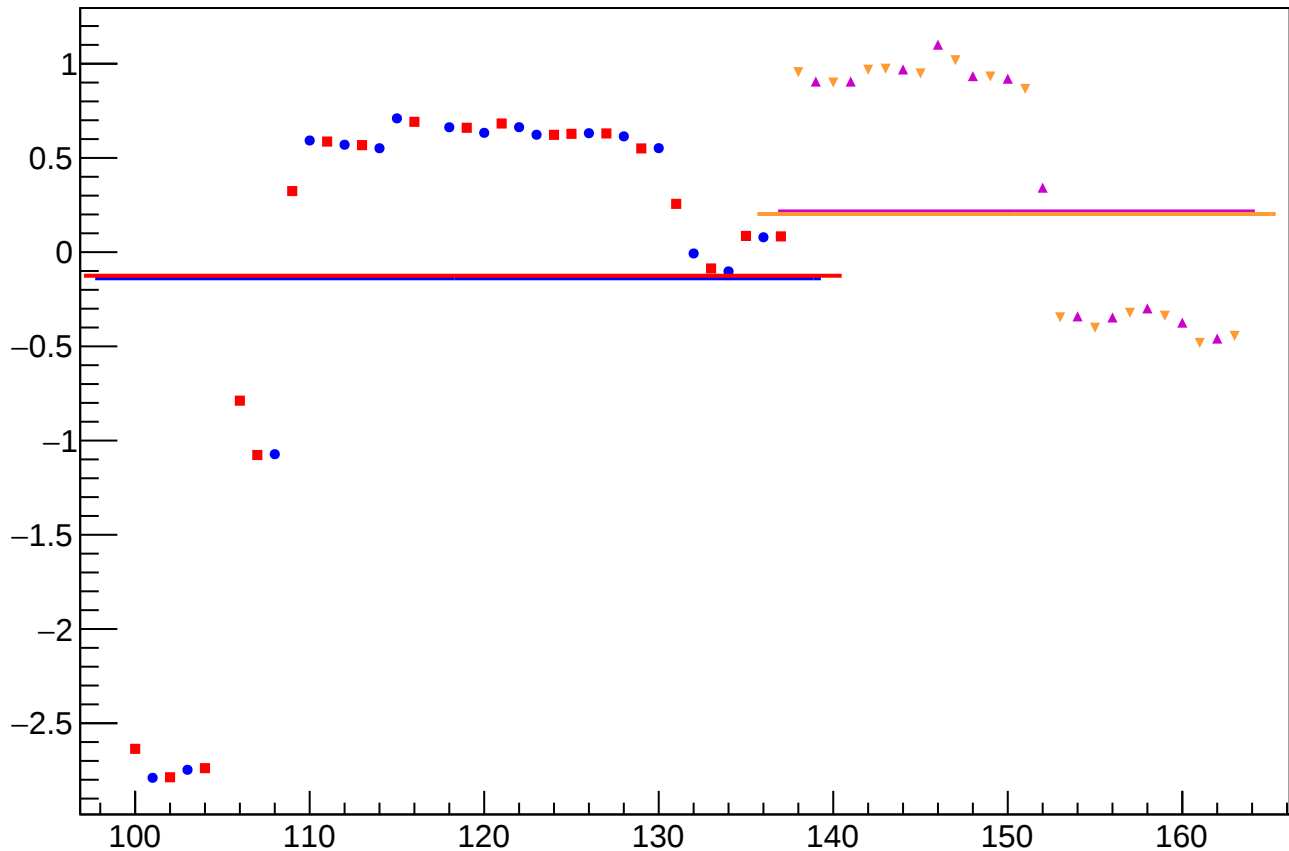
Left In: 0.008+/-0.000 χ^2/NDF : 47340.8/11

+ sign 0.009+/-0.000 χ^2/NDF : 3065880.0/30

All: 0.009+/-0.000 χ^2/NDF : 5955802.7/61

- sign 0.009+/-0.000 χ^2/NDF : 2881553.6/30

yield_bpm0l04Y_mean vs Slug



Right In: -0.139 $\pm$ 0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.203 $\pm$ 0.000 χ^2/NDF : 106071431668.7/13

Right Out: -0.125 $\pm$ 0.000 χ^2/NDF : 761496762534.7/18

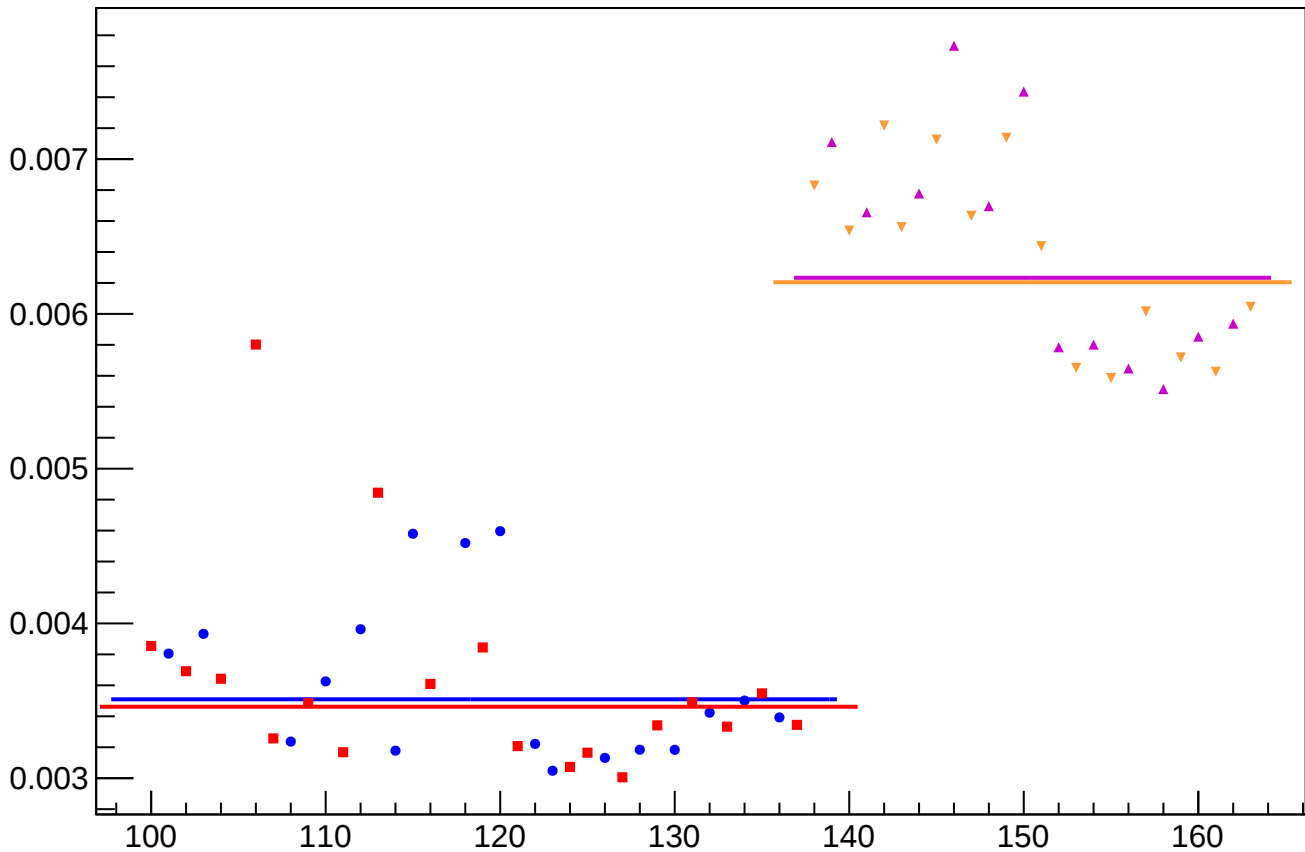
Left In: 0.216 $\pm$ 0.000 χ^2/NDF : 85775989804.9/11

+ sign -0.030 $\pm$ 0.000 χ^2/NDF : 840228037037.4/30

All: -0.029 $\pm$ 0.000 χ^2/NDF : 1706129096734

- sign -0.028 $\pm$ 0.000 χ^2/NDF : 865899792539.7/30

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 :147325.4/13

Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

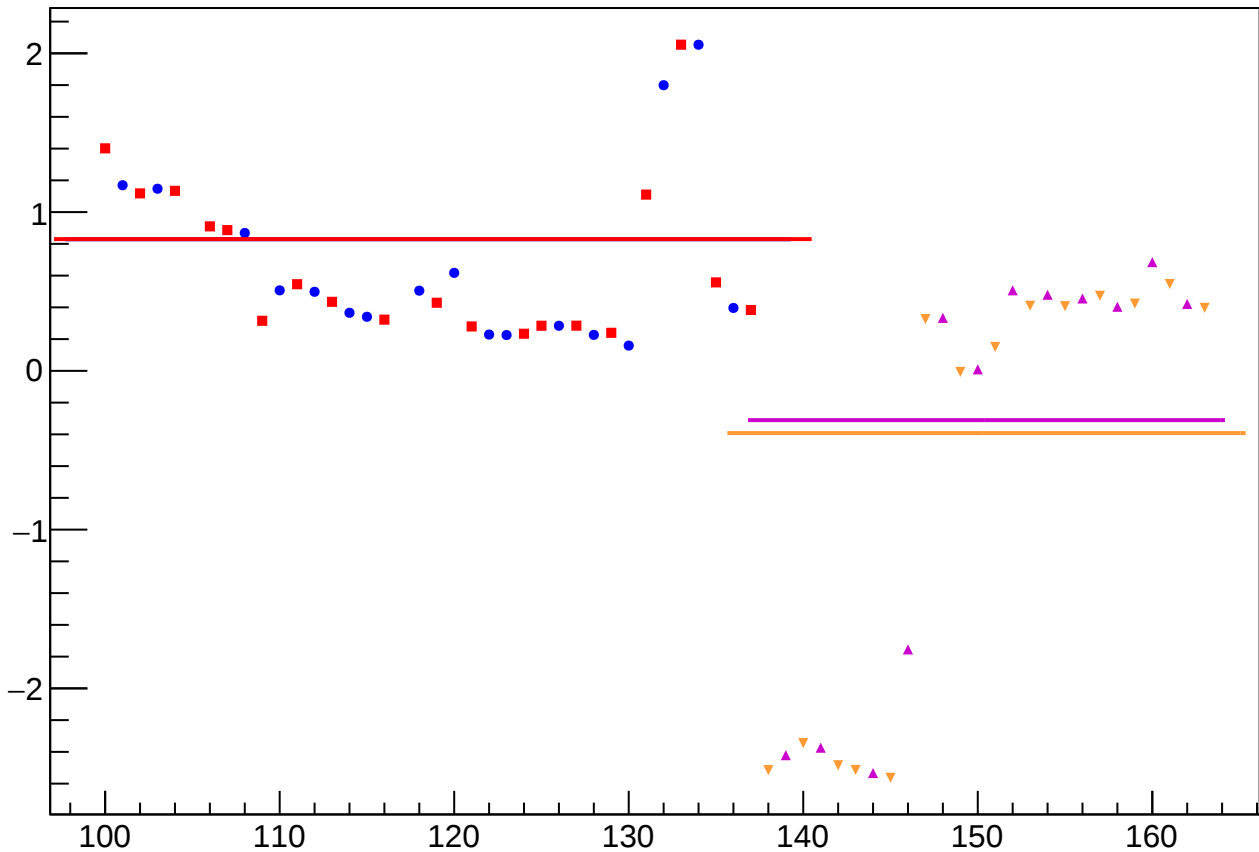
Left In: 0.006+/-0.000 χ^2/NDF :198802.6/11

+ sign 0.004+/-0.000 χ^2/NDF : 2699962.7/30

All: 0.004+/-0.000 χ^2/NDF : 5585646.2/61

- sign 0.004+/-0.000 χ^2/NDF : 2874868.7/30

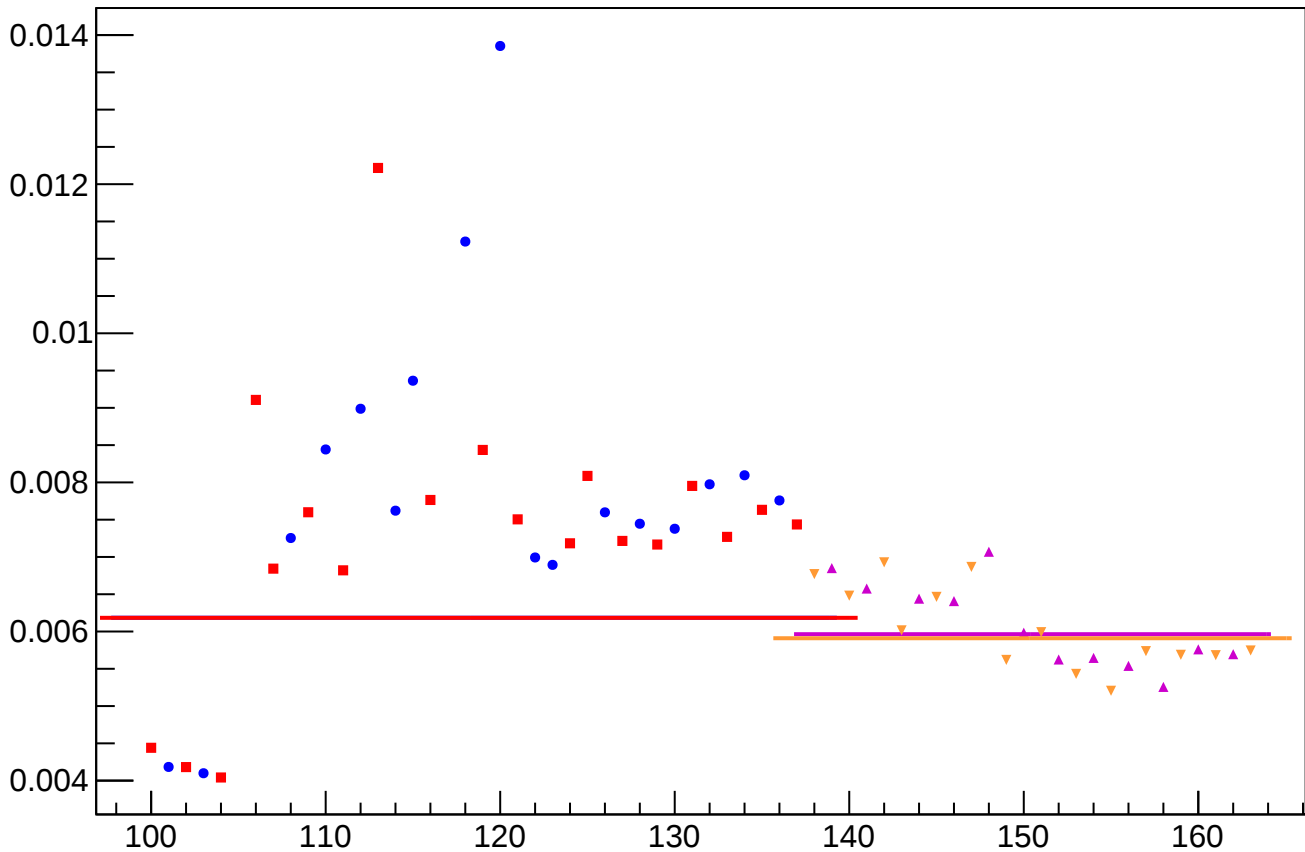
yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16
 Left Out: -0.392+/-0.000 χ^2/NDF : 434943724500.4/13
 Right Out: 0.830+/-0.000 χ^2/NDF : 33335665437.8/18
 Left In: -0.310+/-0.000 χ^2/NDF : 371781651722.2/11

+ sign 0.017+/-0.000 χ^2/NDF : 604506720562.6/30
 All: 0.066+/-0.000 χ^2/NDF : 1135112886969.
 - sign 0.117+/-0.000 χ^2/NDF : 528520542789.7/30

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :138955.0/13

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

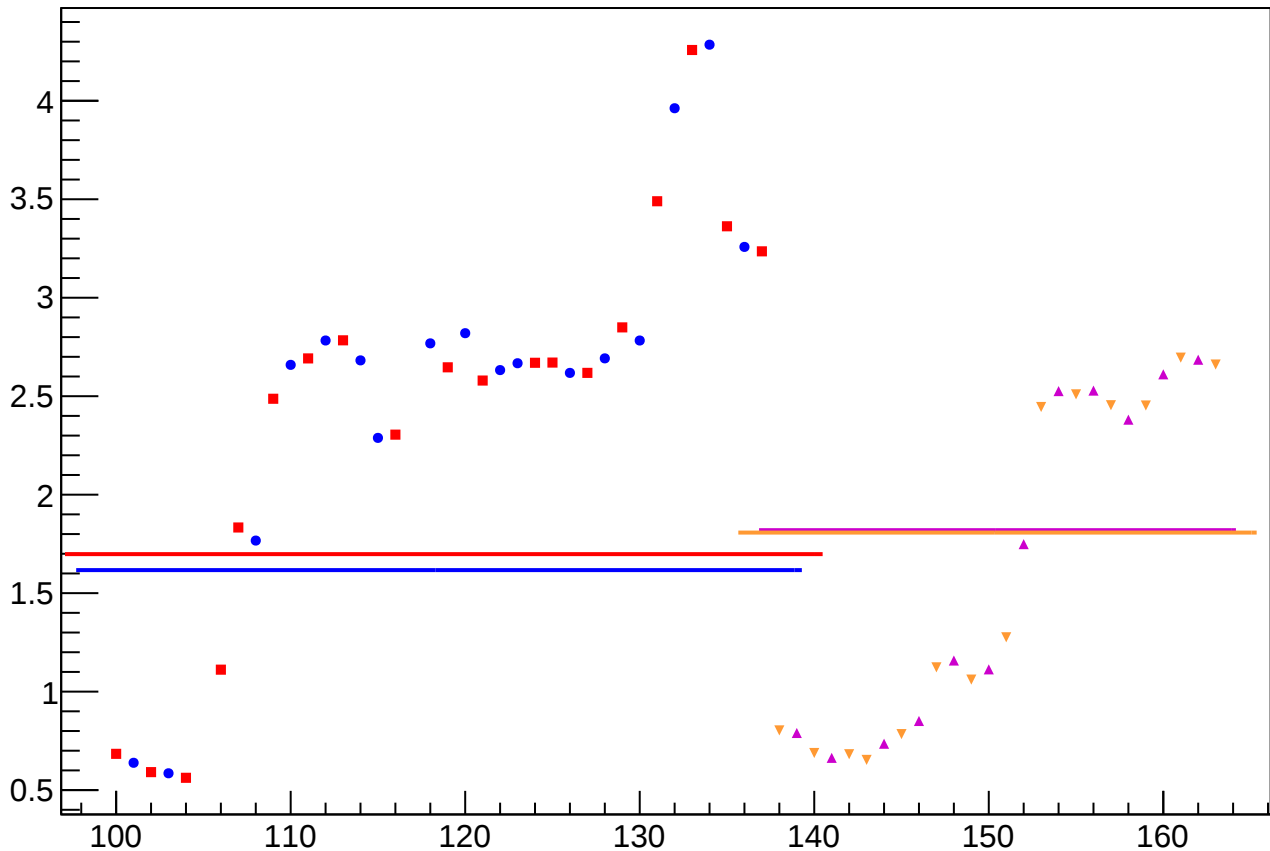
Left In: 0.006+/-0.000 χ^2/NDF :140068.9/11

+ sign 0.006+/-0.000 χ^2/NDF : 1381902.1/30

All: 0.006+/-0.000 χ^2/NDF : 2558773.9/61

- sign 0.006+/-0.000 χ^2/NDF : 1176054.8/30

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 1.808+/-0.000 χ^2/NDF : 206844997413.7/13

Right Out: 1.698+/-0.000 χ^2/NDF : 227408345801.7/18

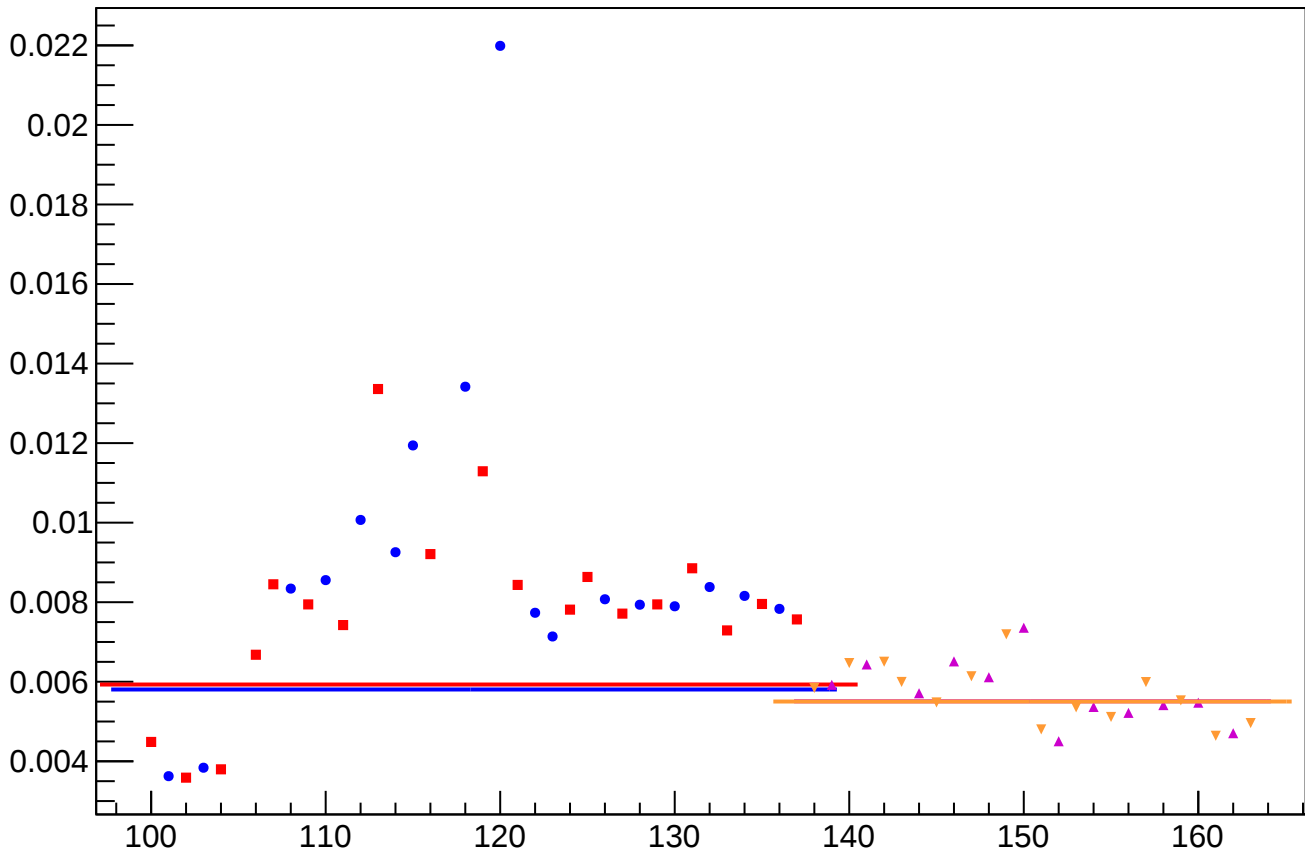
Left In: 1.820+/-0.000 χ^2/NDF : 173690349648.8/11

+ sign 1.746+/-0.000 χ^2/NDF : 413248070443.4/30

All: 1.761+/-0.000 χ^2/NDF : 816017041793.6

- sign 1.777+/-0.000 χ^2/NDF : 402557995874.0/30

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 260576.5/13

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

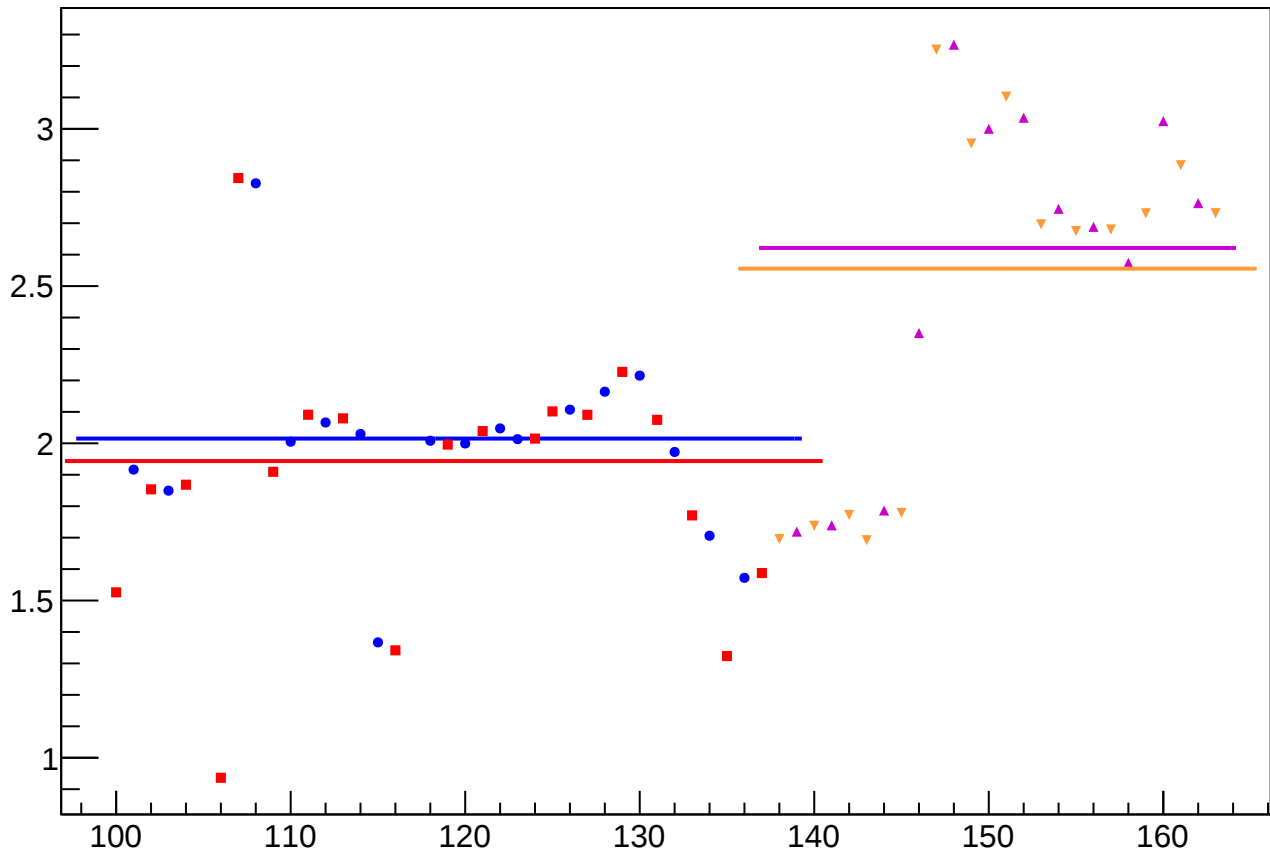
Left In: 0.006+/-0.000 χ^2/NDF : 297348.0/11

+ sign 0.006+/-0.000 χ^2/NDF : 2196267.7/30

All: 0.006+/-0.000 χ^2/NDF : 4215662.2/61

- sign 0.006+/-0.000 χ^2/NDF : 2018019.6/30

yield_bpm0l06X_mean vs Slug



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.556+/-0.000 χ^2/NDF : 48004794453.6/13

Right Out: 1.944+/-0.000 χ^2/NDF : 21427099579.0/18

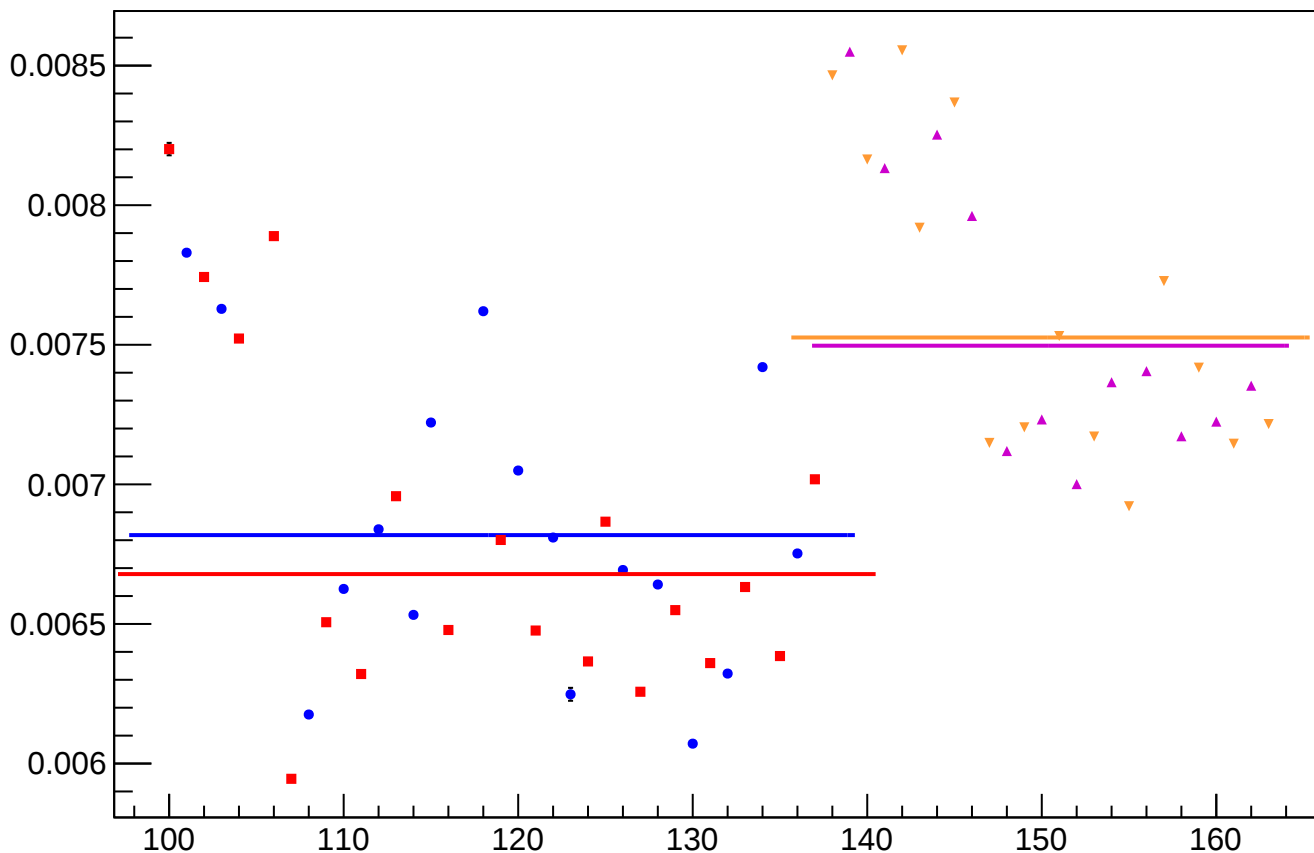
Left In: 2.621+/-0.000 χ^2/NDF : 40474635413.9/11

+ sign 2.318+/-0.000 χ^2/NDF : 82640796378.1/30

All: 2.307+/-0.000 χ^2/NDF : 180916607728.0

- sign 2.296+/-0.000 χ^2/NDF : 98196085136.0/30

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 75813.9/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:86122.1/13

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 75718.4/18

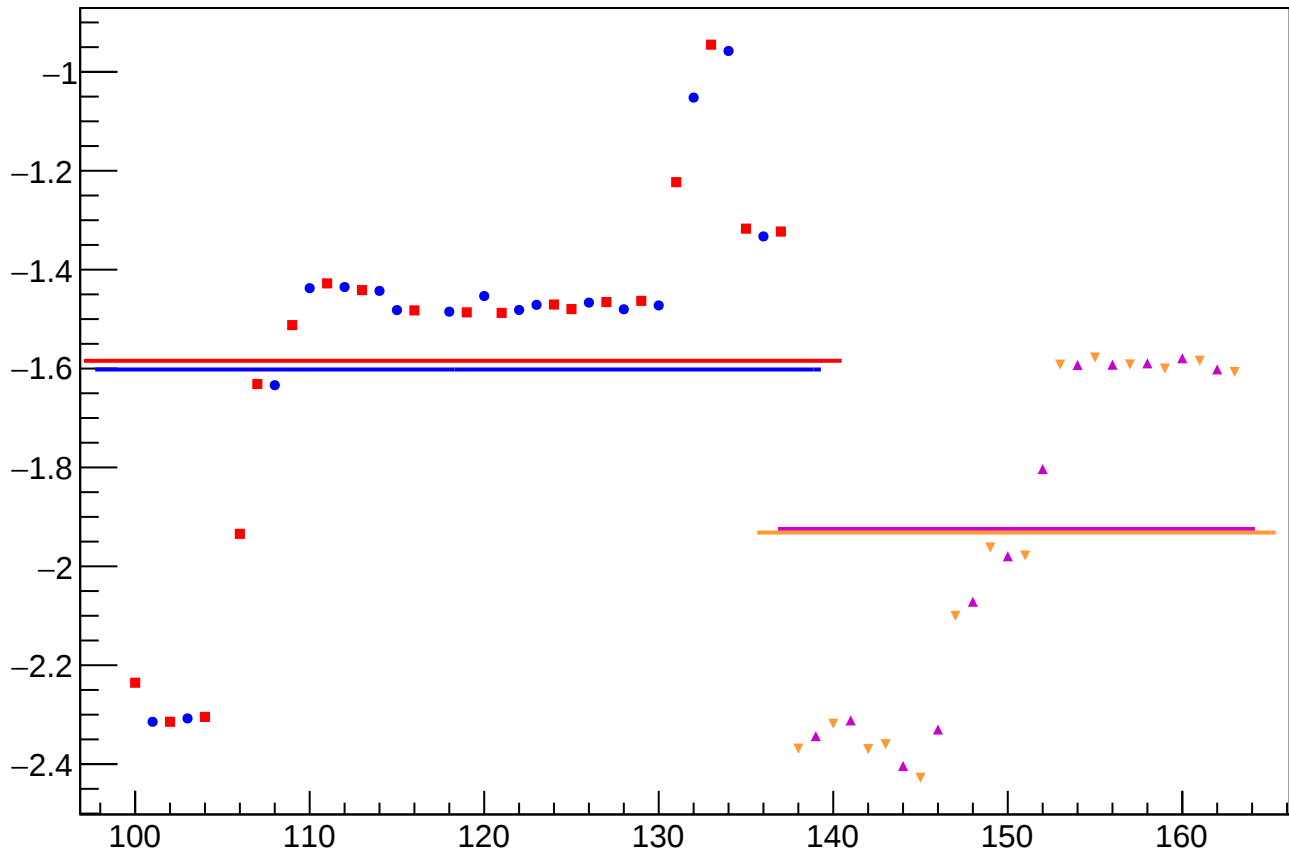
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:69807.4/11

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 238792.7/30

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 493987.5/61

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 251285.9/30

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -1.932+/-0.000 χ^2/NDF : 137930011507.7/13

Right Out: -1.584+/-0.000 χ^2/NDF : 143578606614.3/18

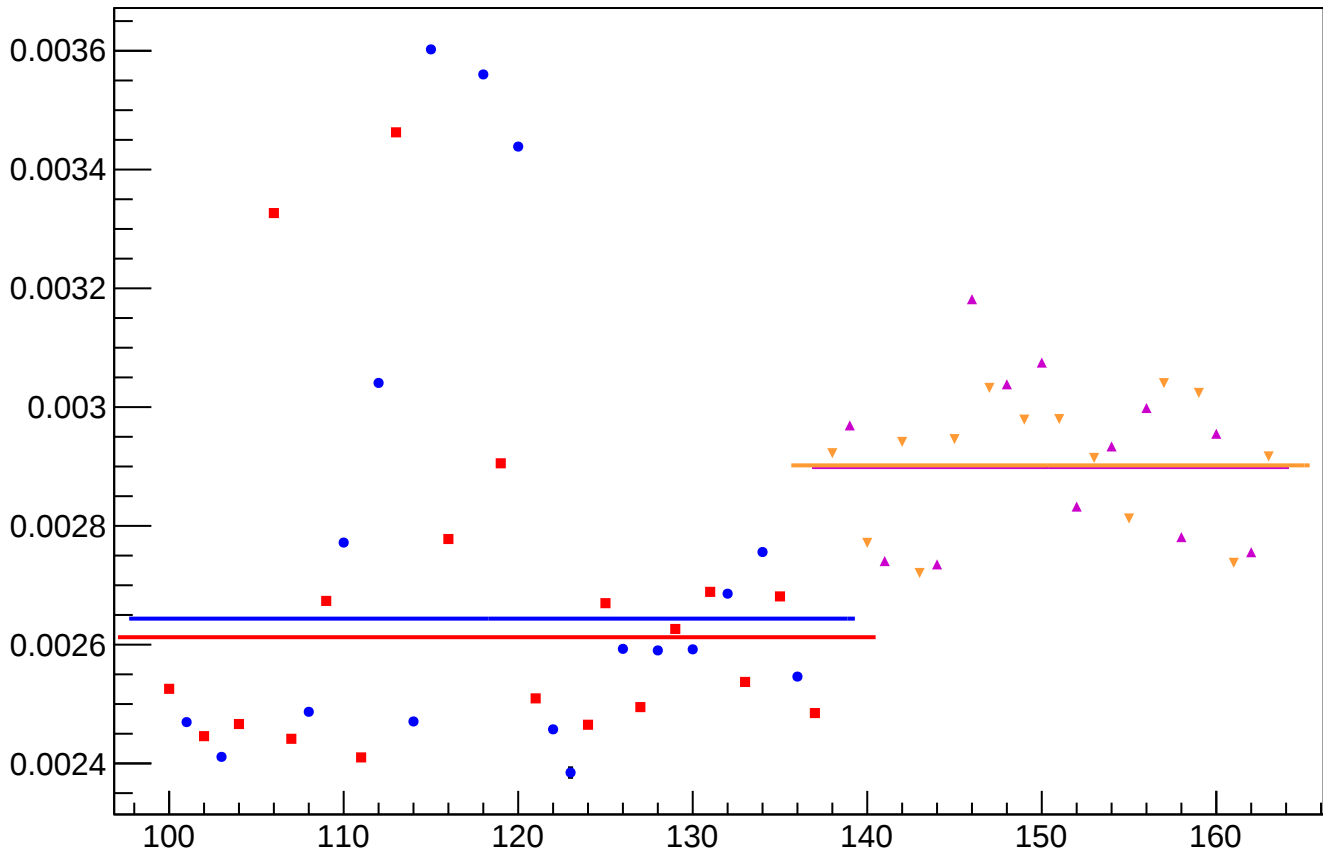
Left In: -1.924+/-0.000 χ^2/NDF : 120630136534.8/11

+ sign -1.788+/-0.000 χ^2/NDF : 333300574471.3/30

All: -1.776+/-0.000 χ^2/NDF : 657756808166.6

- sign -1.764+/-0.000 χ^2/NDF : 323837098441.7/30

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 :26646.1/13

Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

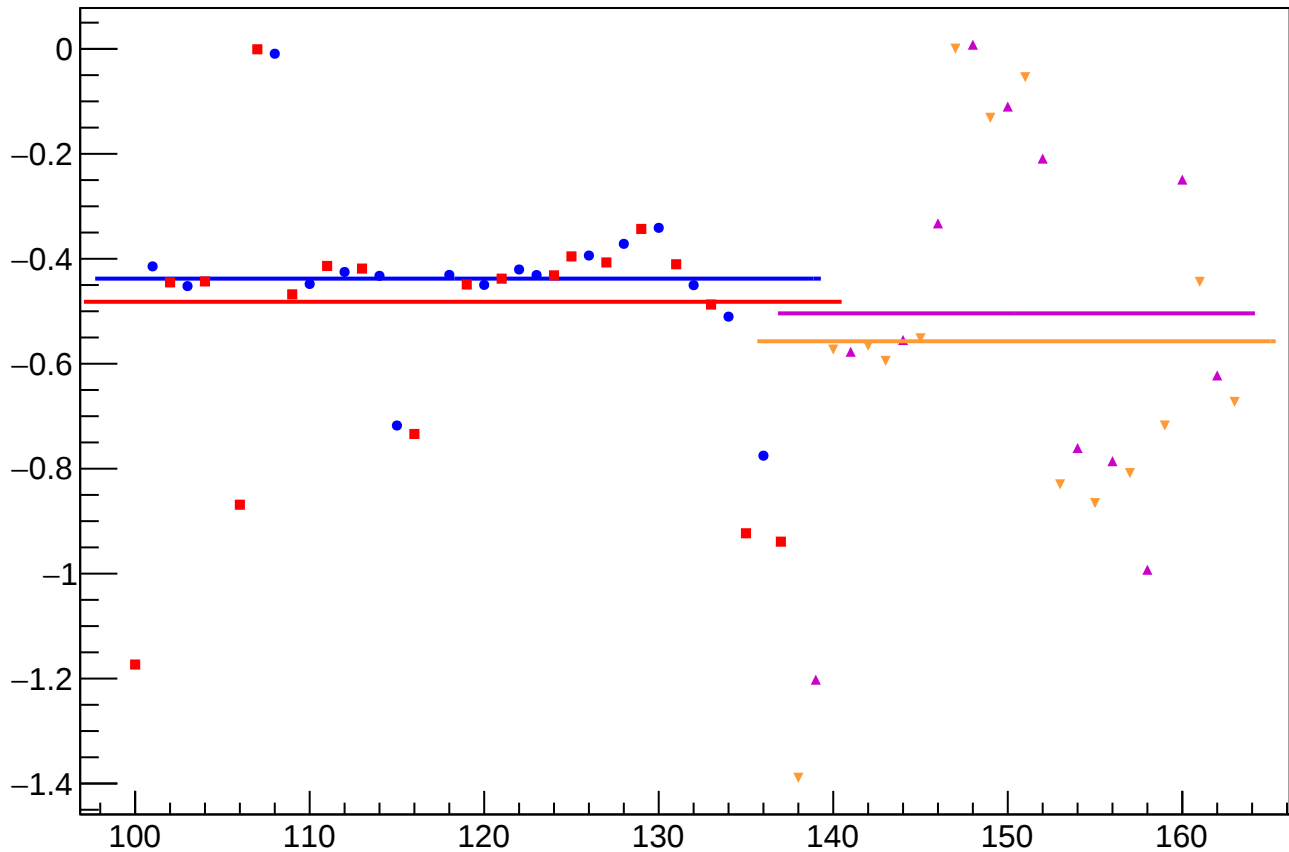
Left In: 0.003+/-0.000 χ^2/NDF :41716.9/11

+ sign 0.003+/-0.000 χ^2/NDF : 245598.2/30

All: 0.003+/-0.000 χ^2/NDF : 478670.2/61

- sign 0.003+/-0.000 χ^2/NDF : 231686.2/30

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.557+/-0.000 χ^2/NDF : 7582641295.2/13

Right Out: -0.482+/-0.000 χ^2/NDF : 2694625740.7/18

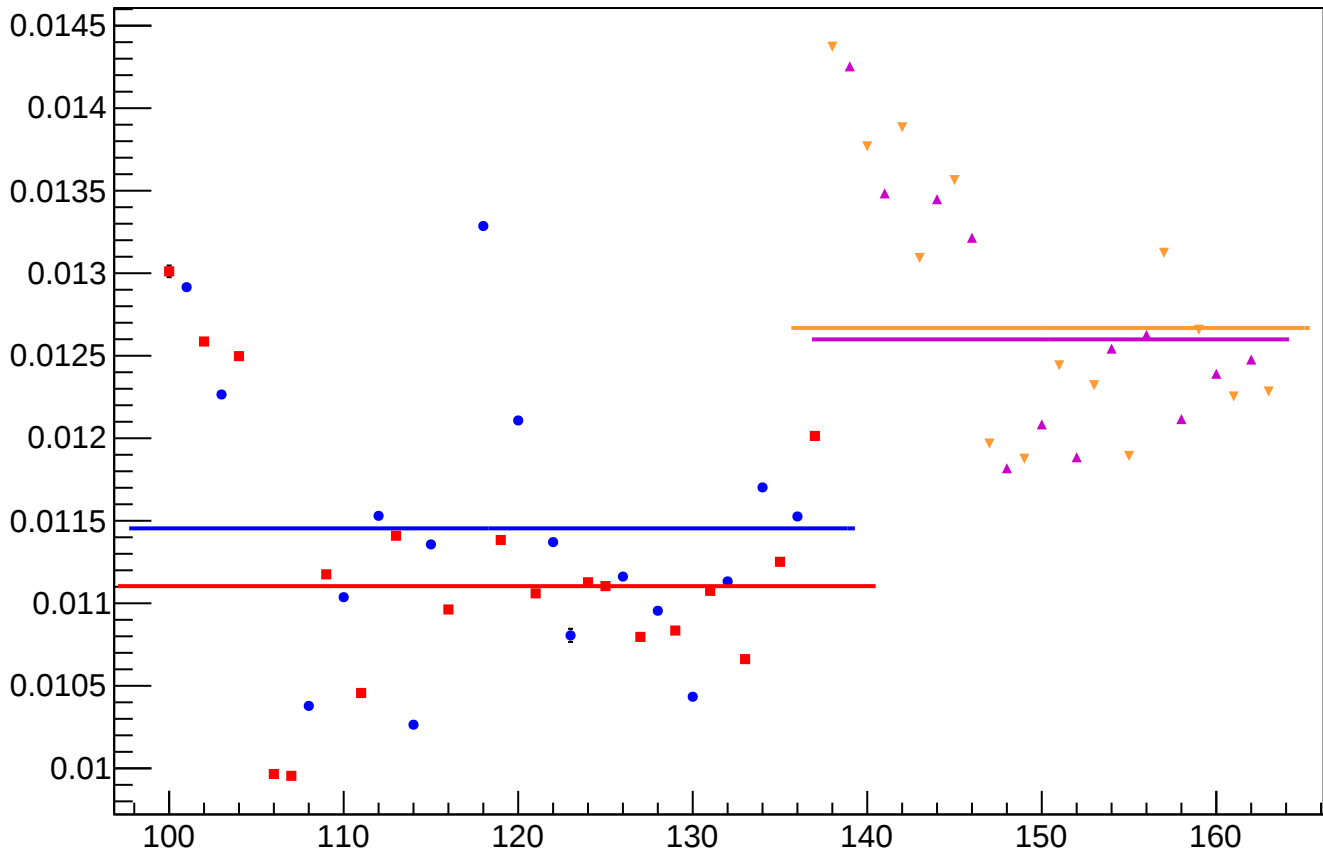
Left In: -0.504+/-0.000 χ^2/NDF : 6934708345.1/11

+ sign -0.504+/-0.000 χ^2/NDF : 9436663829.2/30

All: -0.499+/-0.000 χ^2/NDF : 19086932565.0/30

- sign -0.493+/-0.000 χ^2/NDF : 9643287668.7/30

yield_bpm0l07X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 64687.8/16

Left Out: 0.013+/-0.000 χ^2/NDF : 67191.9/13

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

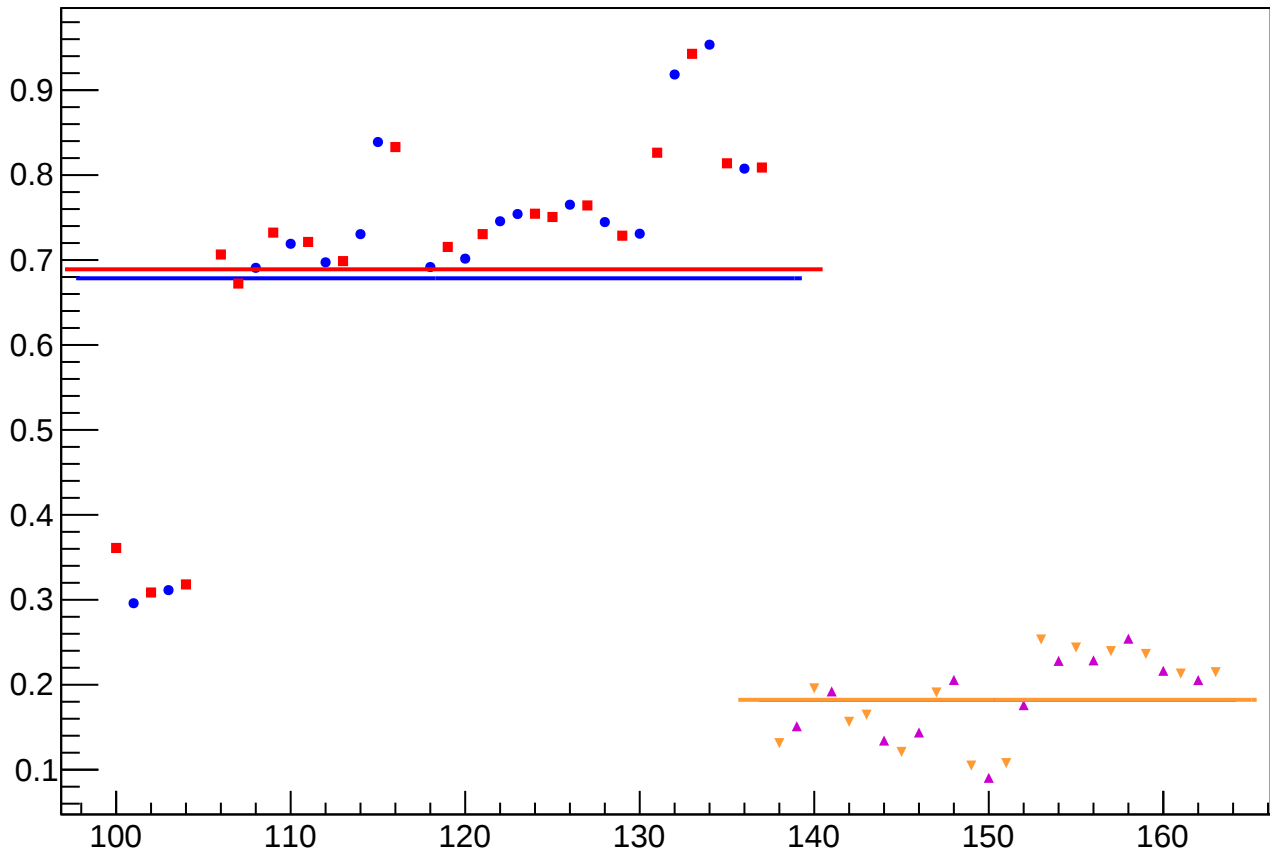
Left In: 0.013+/-0.000 χ^2/NDF : 52761.3/11

+ sign 0.012+/-0.000 χ^2/NDF : 212869.0/30

All: 0.012+/-0.000 χ^2/NDF : 457450.0/61

- sign 0.012+/-0.000 χ^2/NDF : 236548.6/30

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.182 $\pm$ 0.000 χ^2 /NDF: 5315386582.0/13

+ sign 0.347 $\pm$ 0.000 χ^2 /NDF: 211003085042.9/30

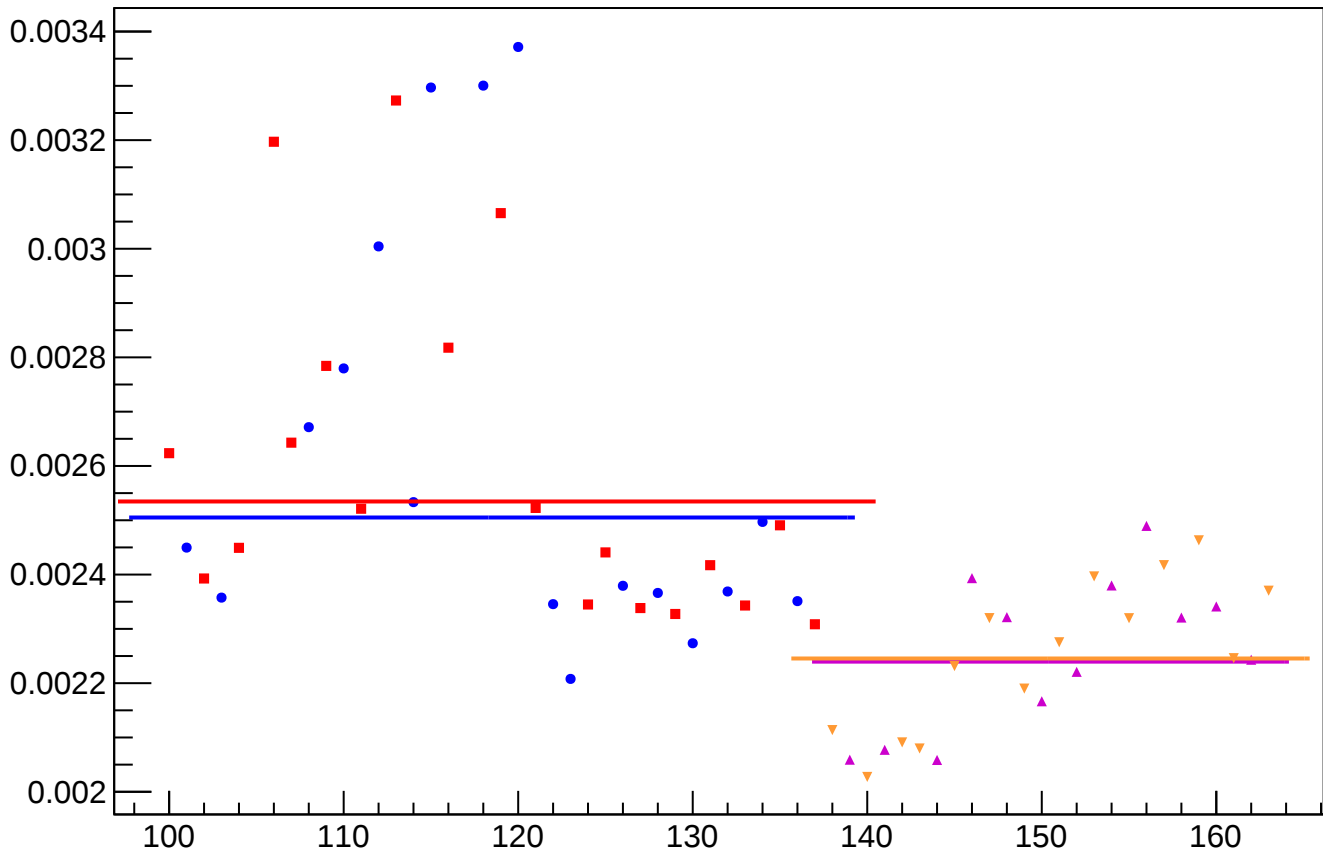
Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

All: 0.354 $\pm$ 0.000 χ^2 /NDF: 424170737684.7

Left In: 0.182 $\pm$ 0.000 χ^2 /NDF: 4093841863.3/11

- sign 0.361 $\pm$ 0.000 χ^2 /NDF: 212848979096.9/30

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 : 72435.6/13

Right Out: 0.003+/-0.000 χ^2/NDF : 131609.0/18

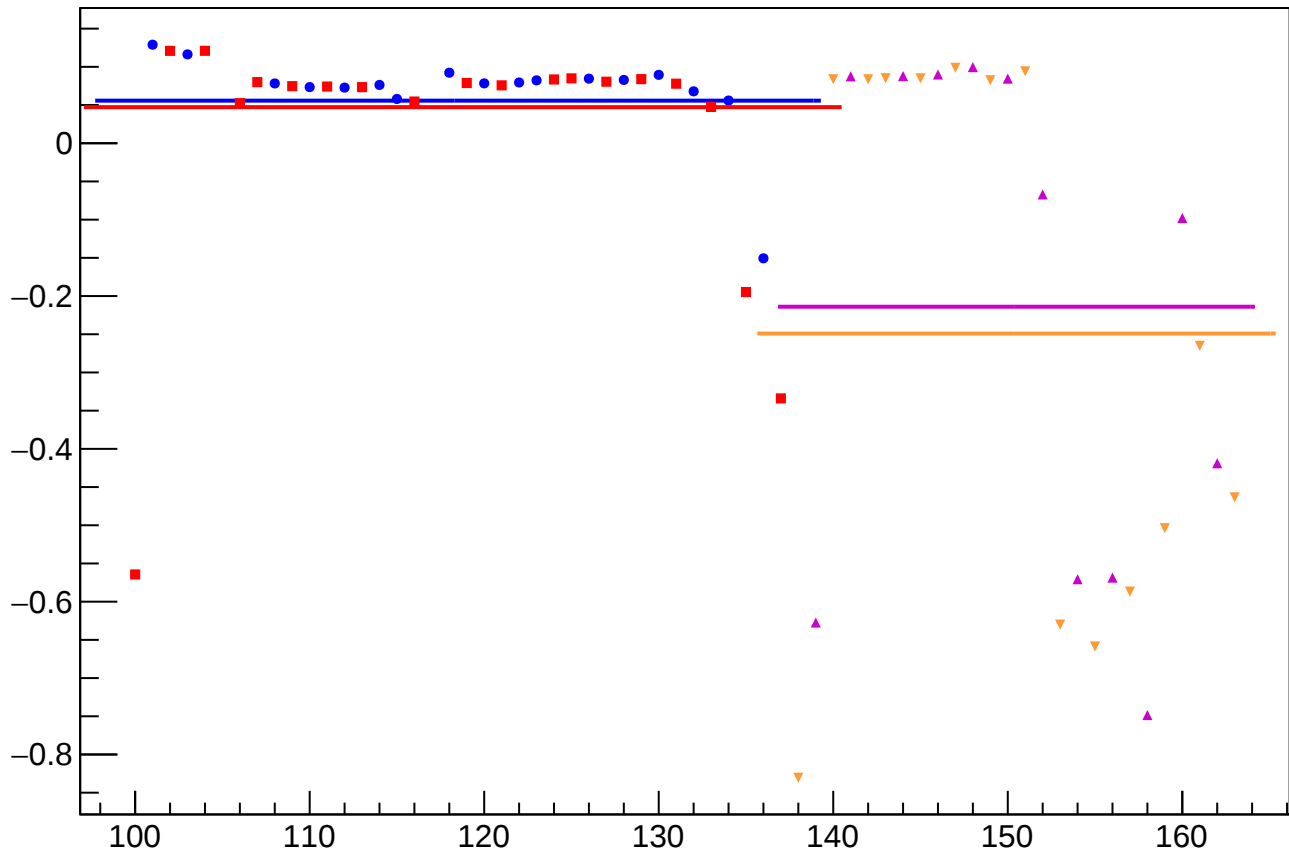
Left In: 0.002+/-0.000 χ^2/NDF : 70850.0/11

+ sign 0.002+/-0.000 χ^2/NDF : 339495.7/30

All: 0.002+/-0.000 χ^2/NDF : 659772.6/61

- sign 0.002+/-0.000 χ^2/NDF : 319813.9/30

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.249+/-0.000 χ^2/NDF : 8682965430.0/13

Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

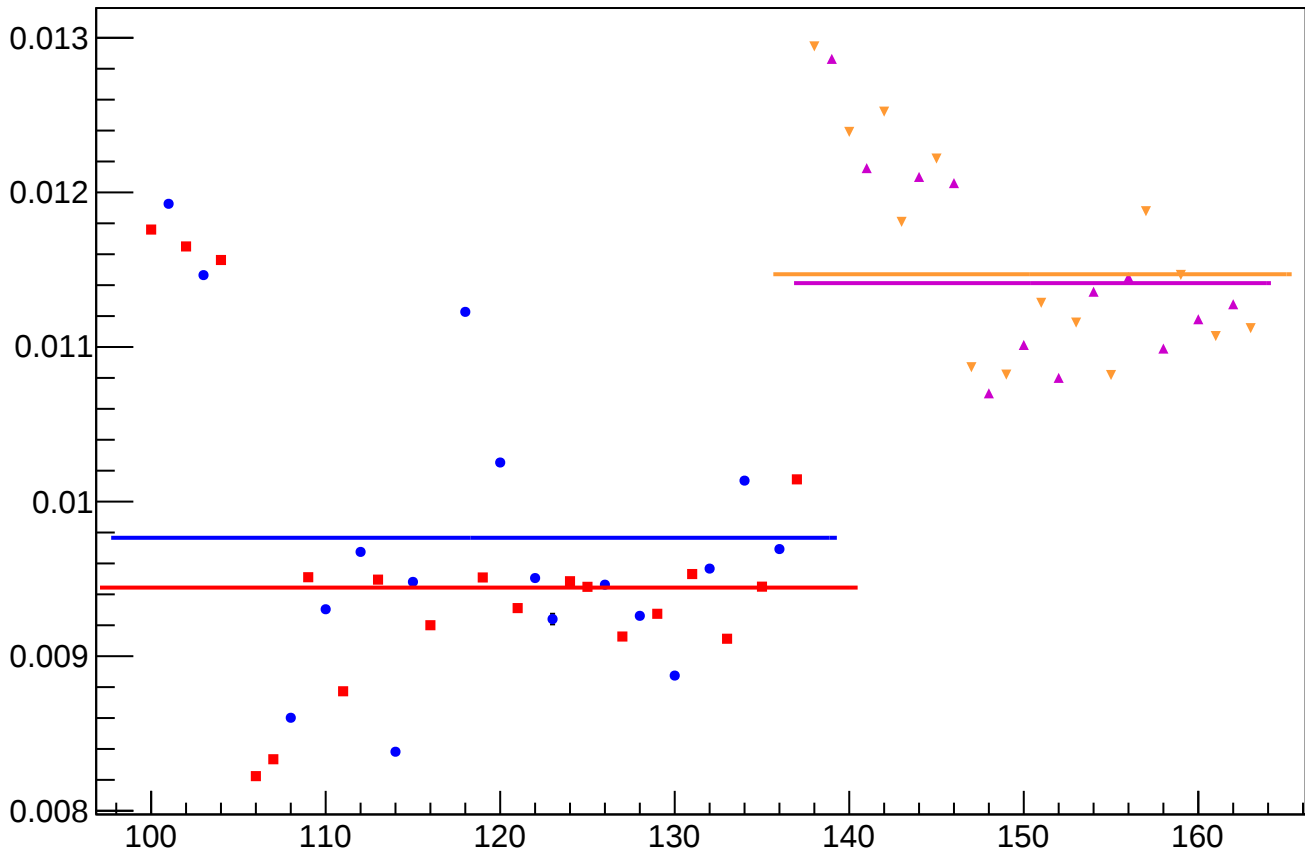
Left In: -0.214+/-0.000 χ^2/NDF : 7300922053.5/11

+ sign -0.105+/-0.000 χ^2/NDF : 12420010183.9/30

All: -0.091+/-0.000 χ^2/NDF : 23118910131.6/30

- sign -0.078+/-0.000 χ^2/NDF : 10642318007.6/30

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: 60162.5/13

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 110693.8/18

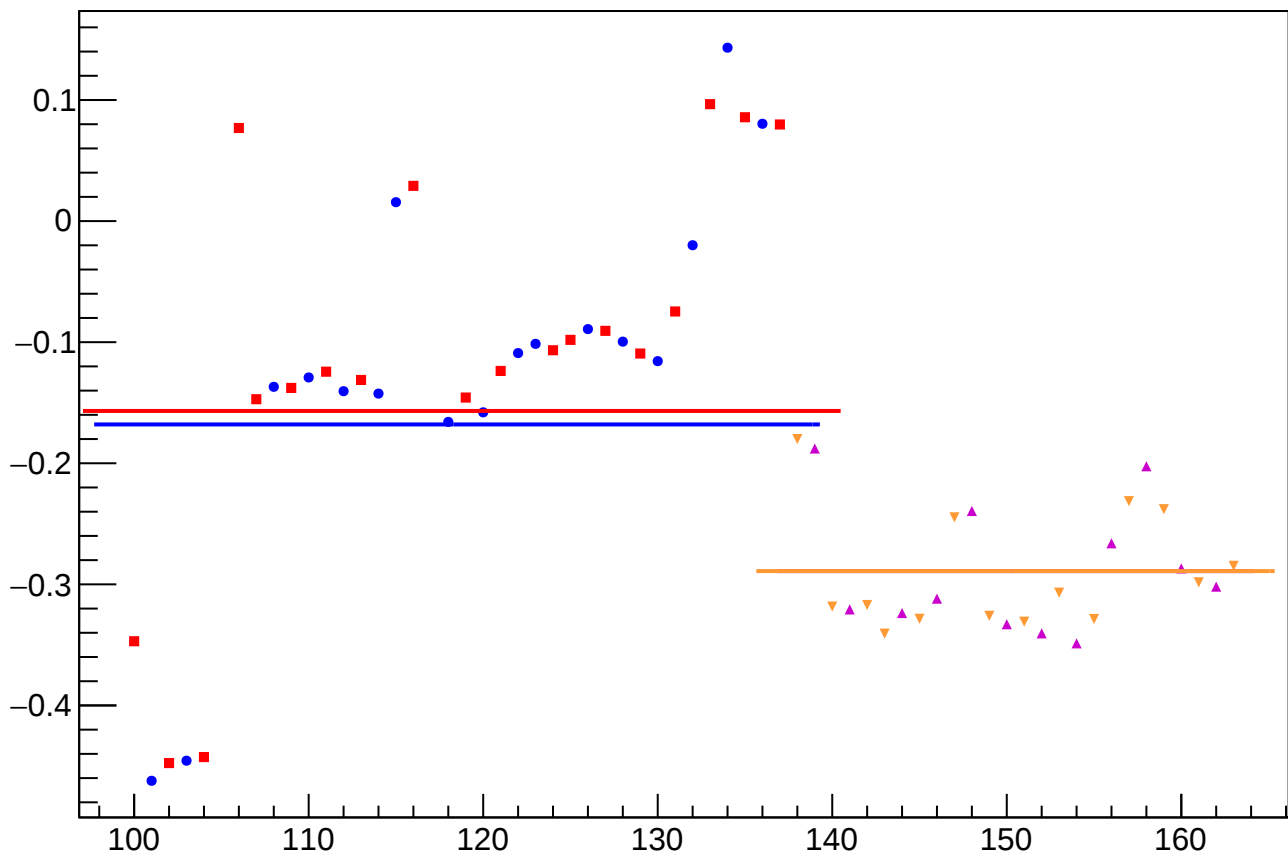
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 49515.9/11

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 384113.2/30

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 842653.8/61

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 446899.8/30

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2 /NDF: 12331812610.6/16

Left Out: -0.289+/-0.000 χ^2 /NDF: 2668726913.7/13

Right Out: -0.157+/-0.000 χ^2 /NDF: 11026962470.3/18

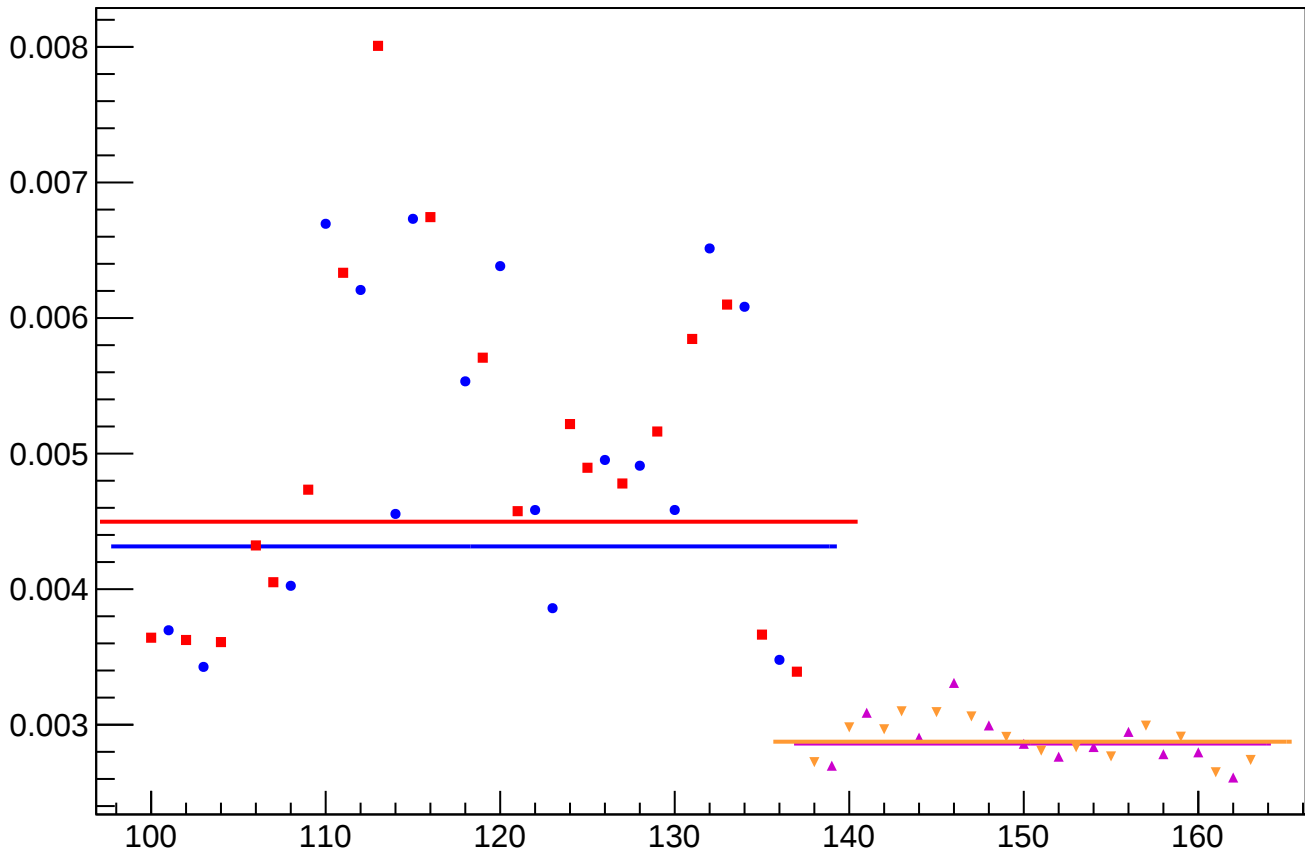
Left In: -0.289+/-0.000 χ^2 /NDF: 3052047550.4/11

+ sign -0.264+/-0.000 χ^2 /NDF: 18634434350.2/30

All: -0.262+/-0.000 χ^2 /NDF: 36948168445.0/30

- sign -0.261+/-0.000 χ^2 /NDF: 18305027015.1/30

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 619744.7/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 46752.3/13

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 649708.4/18

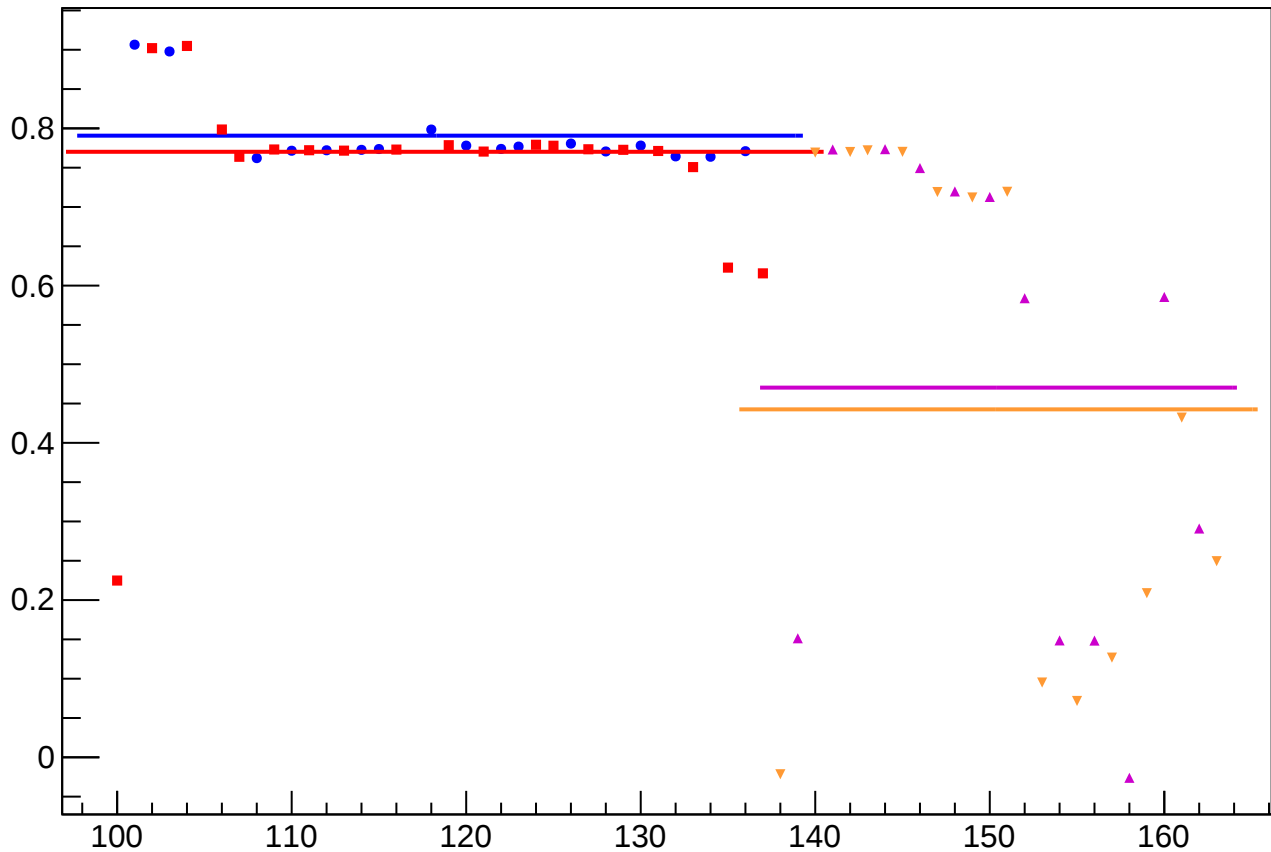
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 61951.4/11

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1694638.0/30

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3702656.4/61

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2005546.4/30

yield_bpm0l09X_mean vs Slug



Right In: 0.791+/-0.000 χ^2/NDF : 106705767.1/16

Left Out: 0.443+/-0.000 χ^2/NDF : 7206441891.4/13

Right Out: 0.770+/-0.000 χ^2/NDF : 375442189.7/18

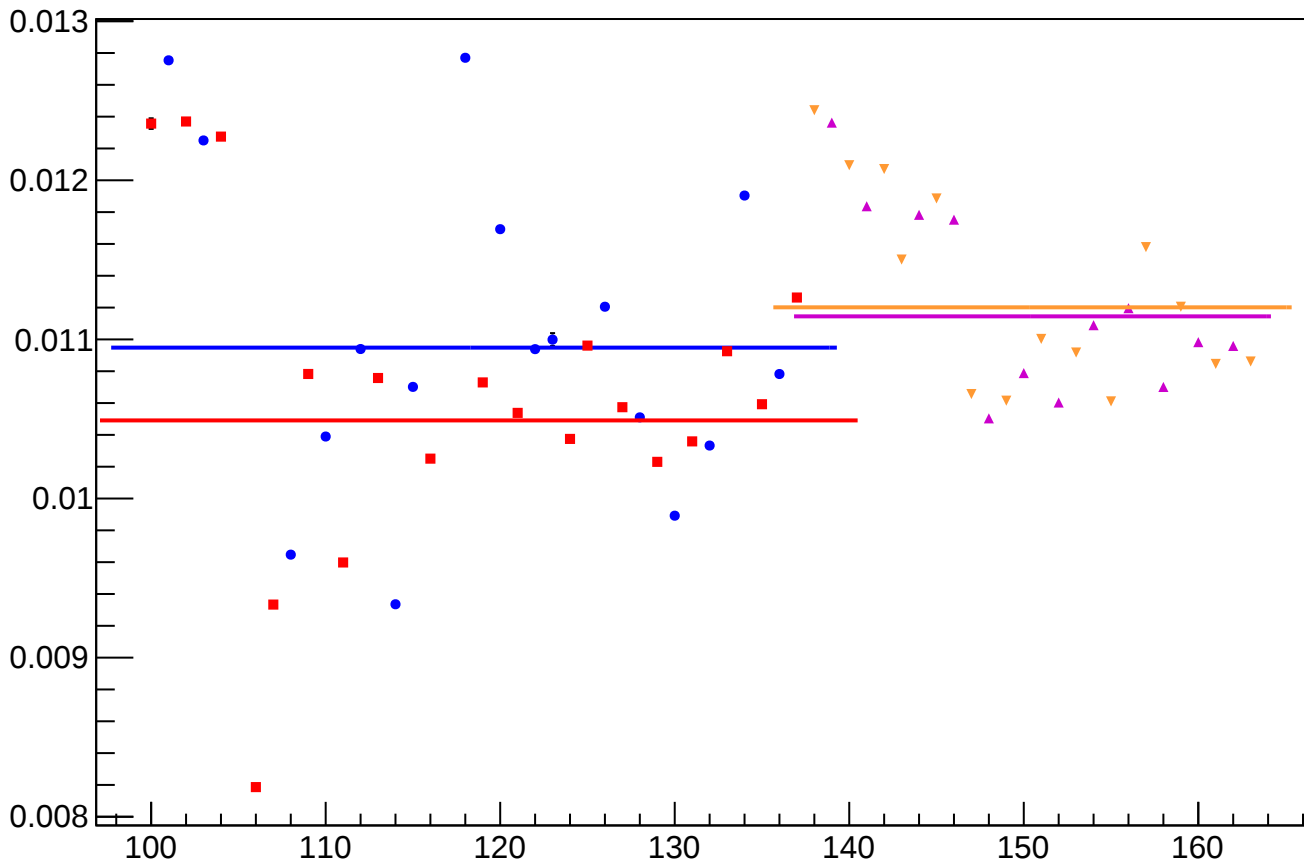
Left In: 0.470+/-0.000 χ^2/NDF : 6197458485.3/11

+ sign 0.583+/-0.000 χ^2/NDF : 11208054955.5/30

All: 0.595+/-0.000 χ^2/NDF : 20888271046.3/6

- sign 0.607+/-0.000 χ^2/NDF : 9639423266.3/30

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 98551.4/16

Left Out: 0.011+/-0.000 χ^2/NDF : 51107.9/13

Right Out: 0.010+/-0.000 χ^2/NDF : 119420.8/18

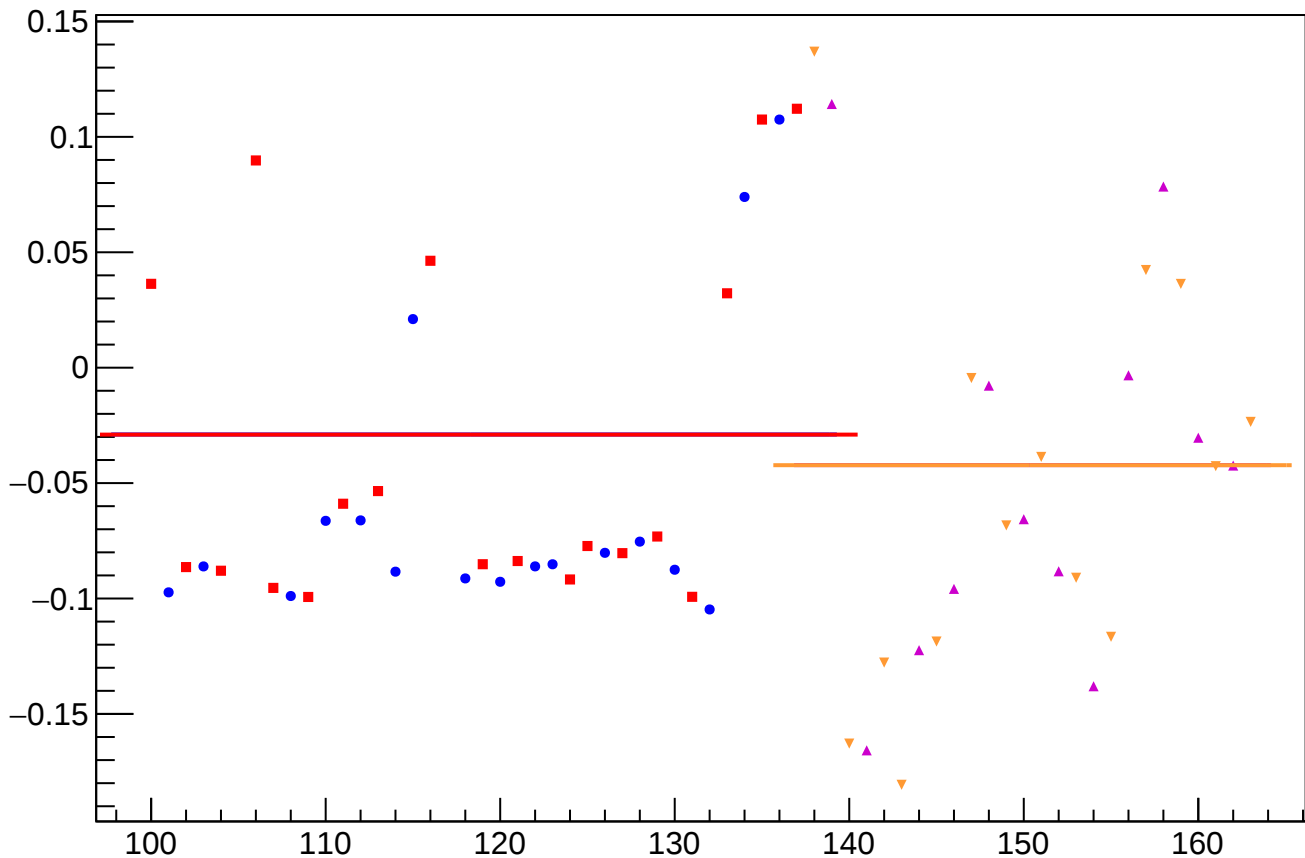
Left In: 0.011+/-0.000 χ^2/NDF : 42411.9/11

+ sign 0.011+/-0.000 χ^2/NDF : 153781.4/30

All: 0.011+/-0.000 χ^2/NDF : 353462.4/61

- sign 0.011+/-0.000 χ^2/NDF : 190983.4/30

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.042+/-0.000 χ^2/NDF : 6631494802.4/13

Right Out: -0.029+/-0.000 χ^2/NDF : 2113349669.8/18

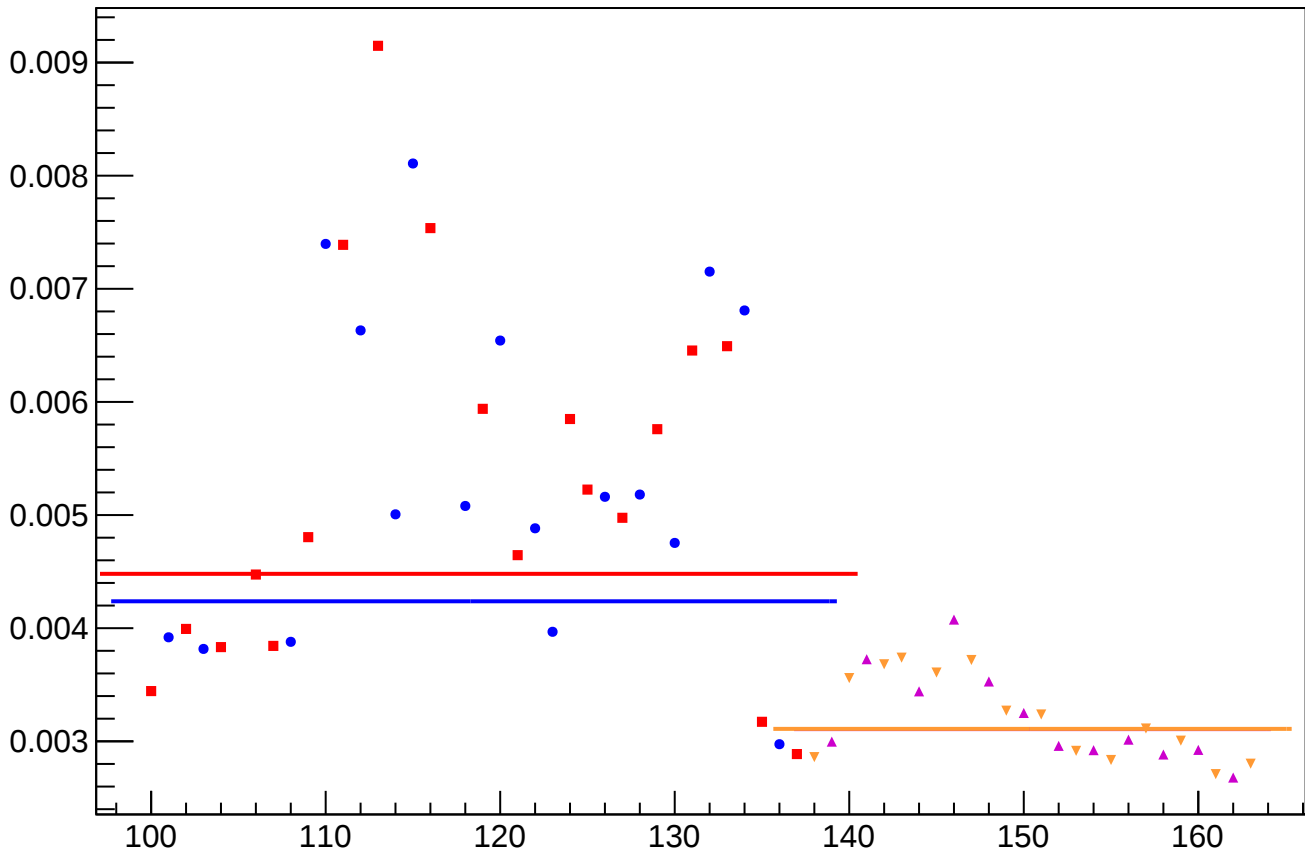
Left In: -0.042+/-0.000 χ^2/NDF : 5822976727.0/11

+ sign -0.039+/-0.000 χ^2/NDF : 9118752572.1/30

All: -0.039+/-0.000 χ^2/NDF : 17093724798.8/30

- sign -0.039+/-0.000 χ^2/NDF : 7974967471.6/30

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:227482.2/13

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 984186.1/18

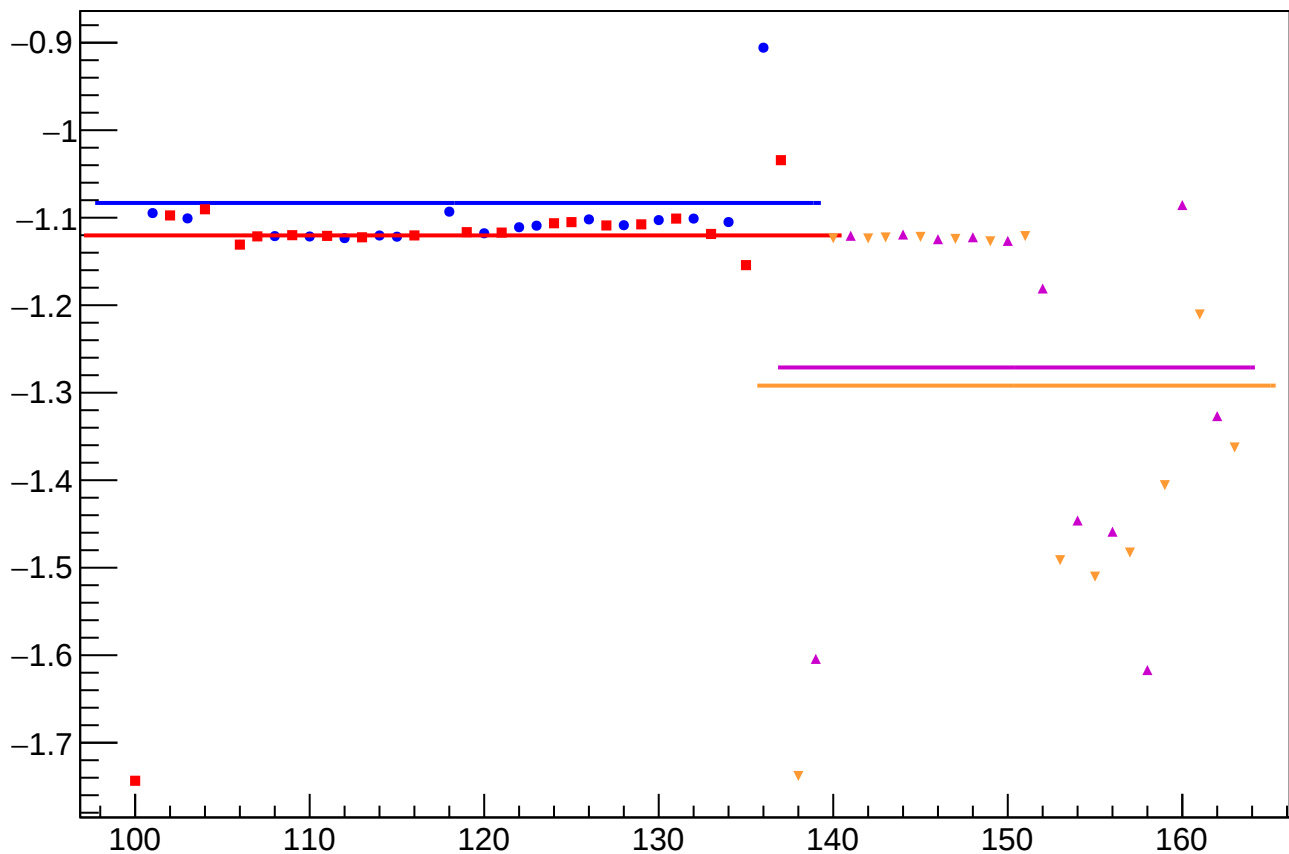
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:223472.2/11

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1702530.2/30

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3749295.1/61

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2041855.6/30

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2 /NDF: 202920901.6/16

Left Out: -1.292+/-0.000 χ^2 /NDF: 3592012642.0/13

Right Out: -1.120+/-0.000 χ^2 /NDF: 220571280.7/18

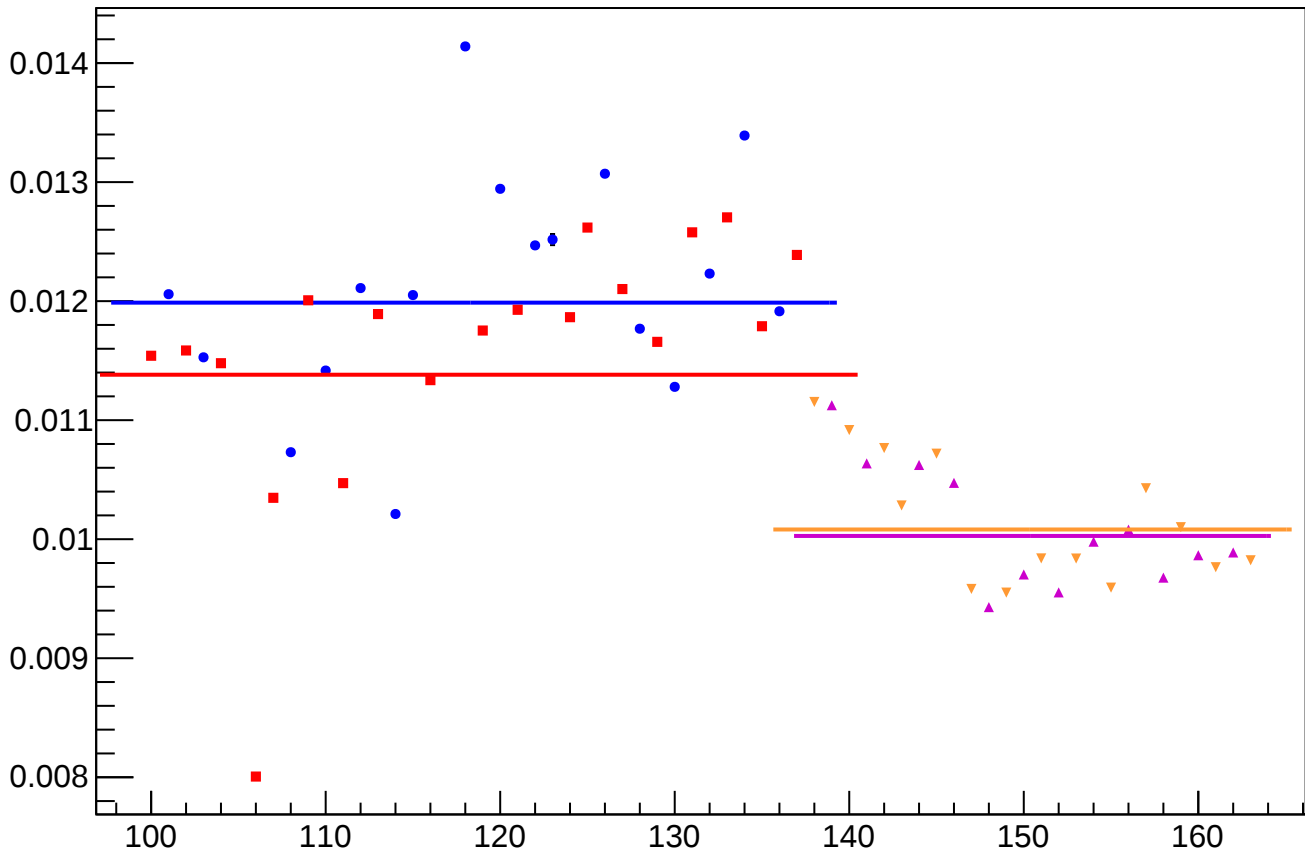
Left In: -1.271+/-0.000 χ^2 /NDF: 3353563178.0/11

+ sign -1.227+/-0.000 χ^2 /NDF: 5139577518.1/30

All: -1.222+/-0.000 χ^2 /NDF: 9488435894.7/6

- sign -1.216+/-0.000 χ^2 /NDF: 4340768671.7/30

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:49469.0/13

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

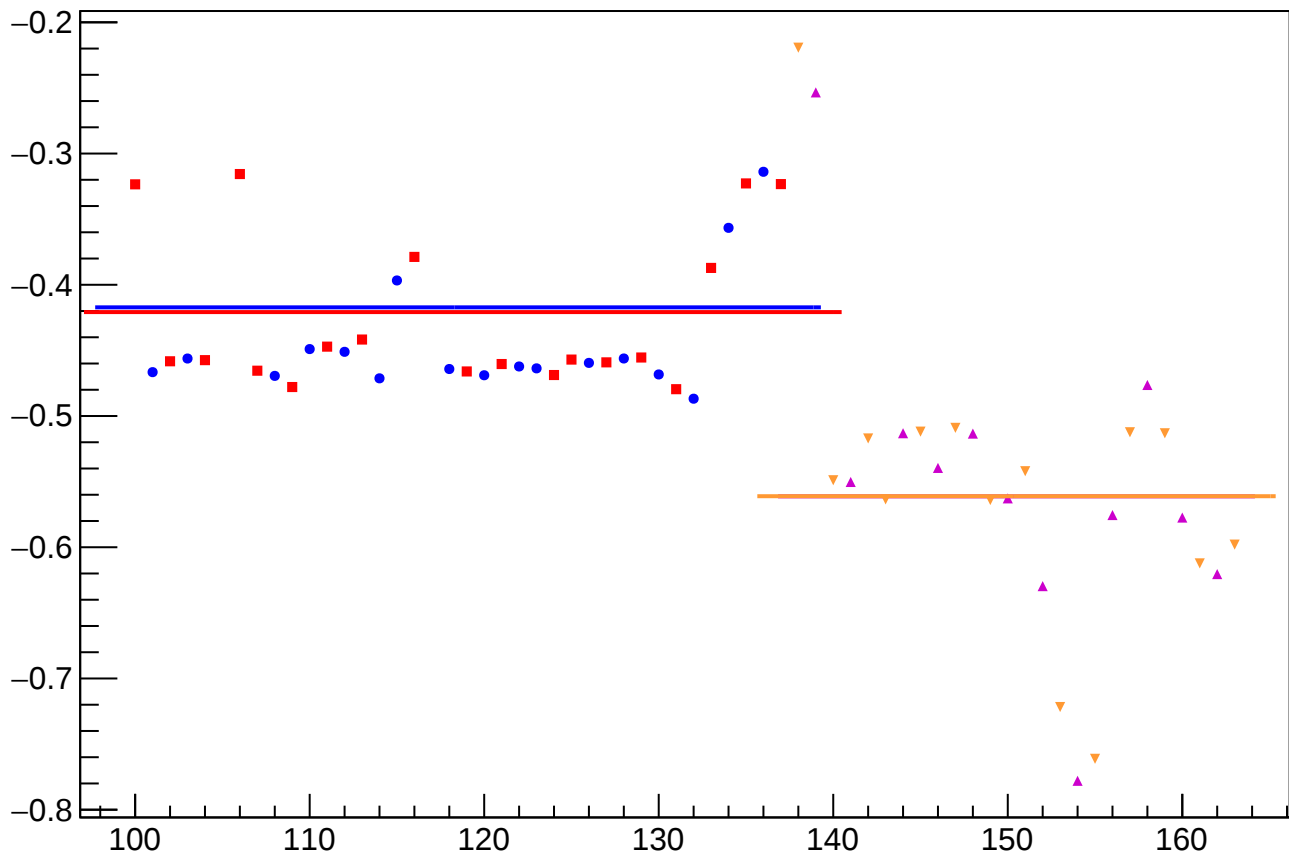
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:41138.4/11

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 333979.4/30

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 656662.1/61

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 319175.7/30

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.561+/-0.000 χ^2/NDF : 12960828155.8/13

Right Out: -0.421+/-0.000 χ^2/NDF : 1646463410.7/18

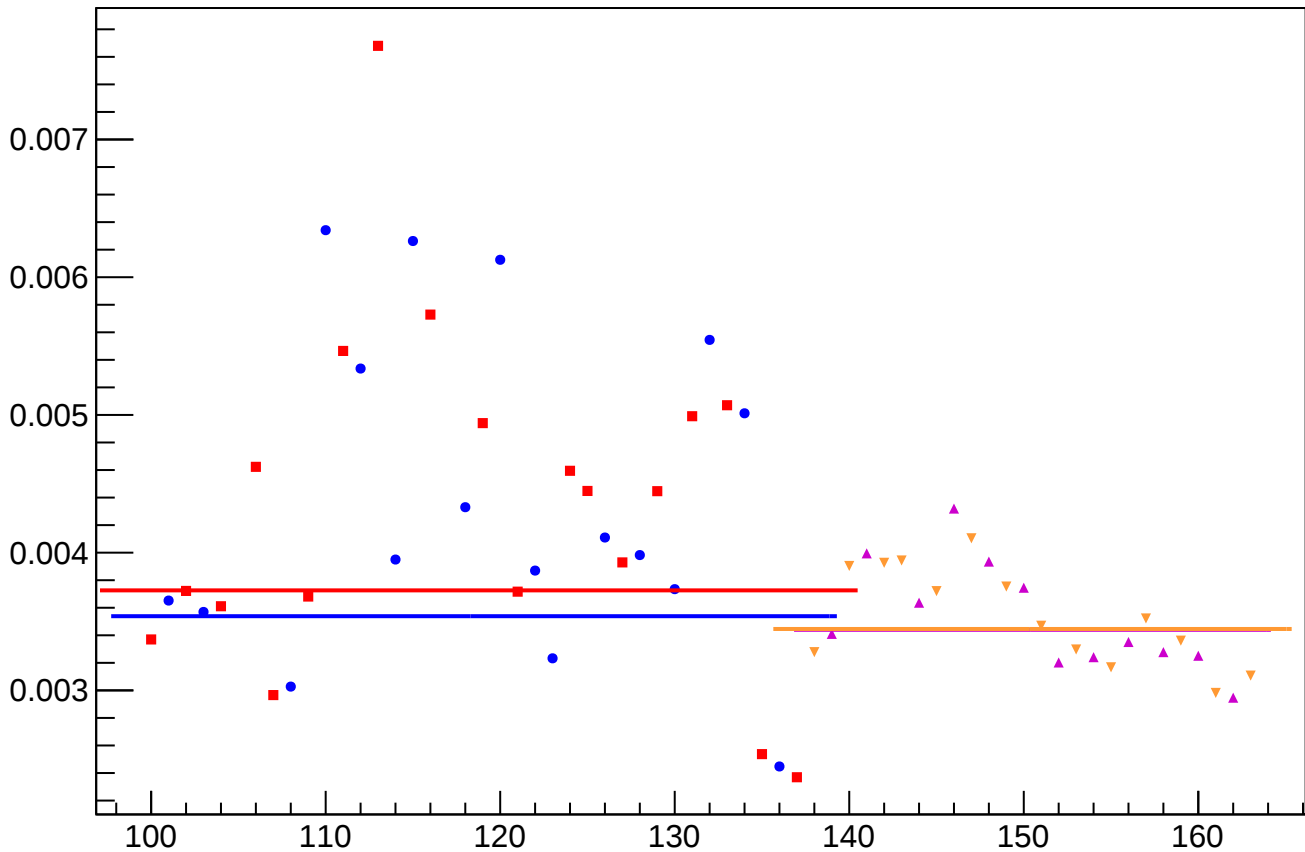
Left In: -0.561+/-0.000 χ^2/NDF : 10292006112.9/11

+ sign -0.511+/-0.000 χ^2/NDF : 20858648529.8/30

All: -0.511+/-0.000 χ^2/NDF : 38127142877.5/30

- sign -0.511+/-0.000 χ^2/NDF : 17268483933.4/30

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:177705.4/13

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 898447.6/18

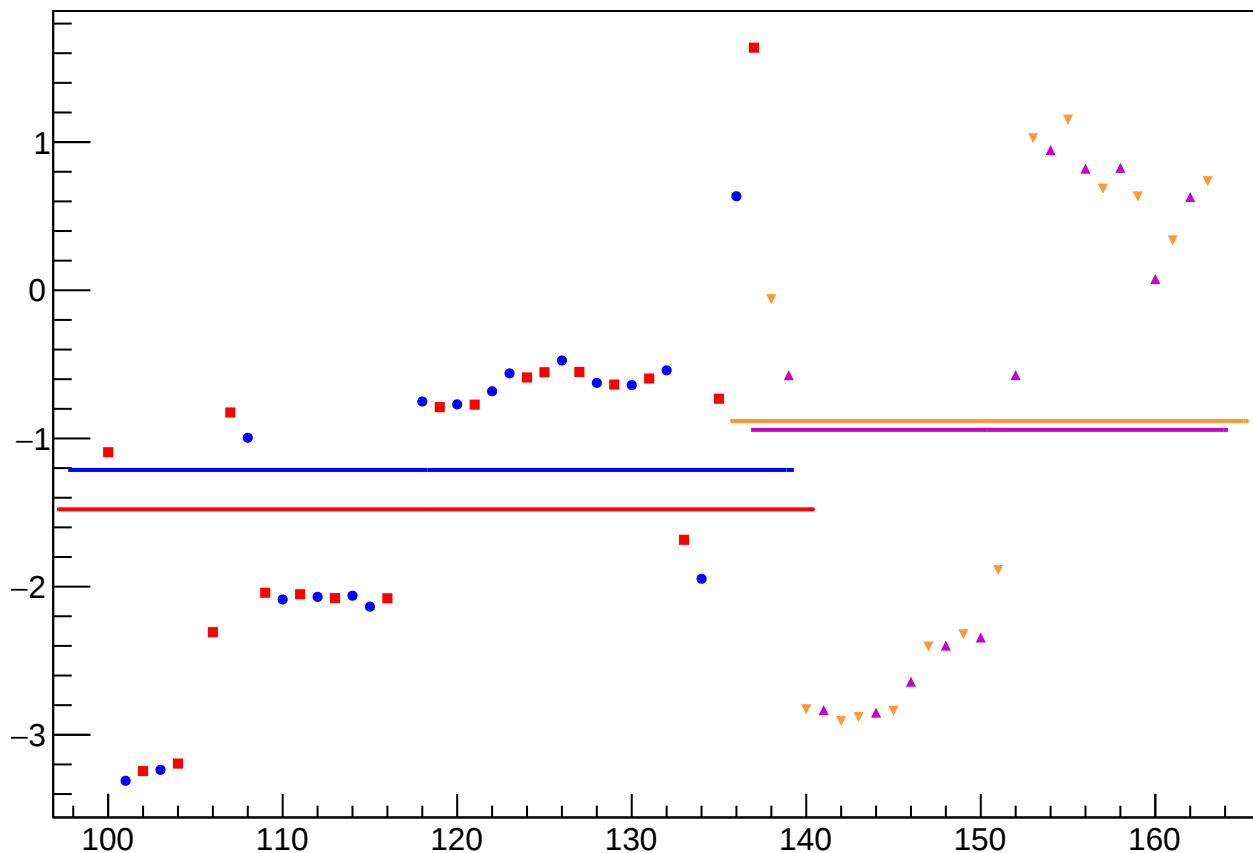
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:189357.2/11

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1018728.9/30

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 2155893.9/61

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1132144.3/30

yield_bpm0r03X_mean vs Slug



Right In: -1.212 $\pm$ 0.000 χ^2 /NDF: 1992853443.9/16

Left Out: -0.882 $\pm$ 0.000 χ^2 /NDF: 4822558074.0/13

Right Out: -1.478 $\pm$ 0.000 χ^2 /NDF: 1578264383.8/18

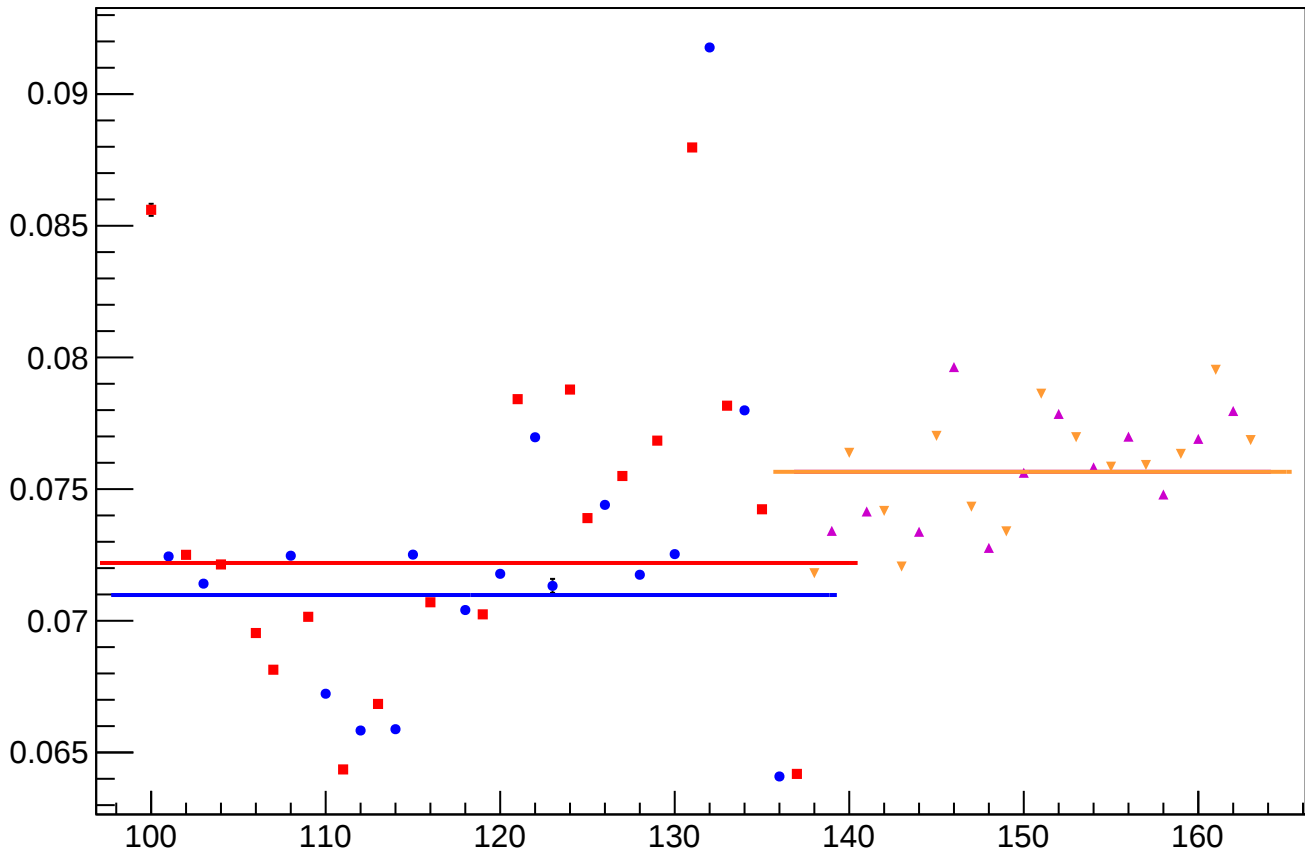
Left In: -0.942 $\pm$ 0.000 χ^2 /NDF: 3901706880.7/11

+ sign -1.021 $\pm$ 0.000 χ^2 /NDF: 6897975962.8/30

All: -1.100 $\pm$ 0.000 χ^2 /NDF: 12629948863.2/30

- sign -1.181 $\pm$ 0.000 χ^2 /NDF: 5692759245.6/30

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.076+/-0.000 χ^2/NDF : 17264.3/13

Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

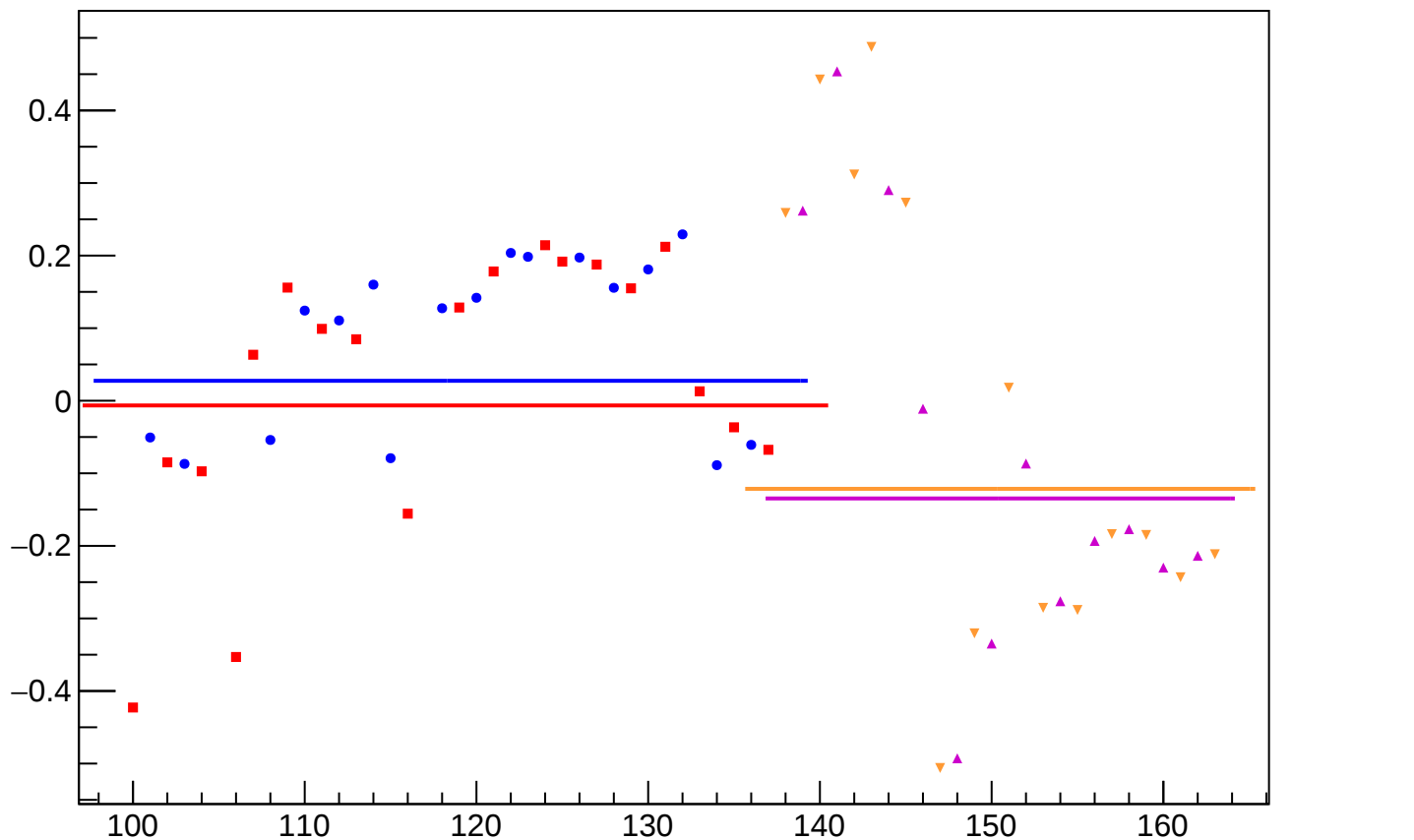
Left In: 0.076+/-0.000 χ^2/NDF : 13446.2/11

+ sign 0.074+/-0.000 χ^2/NDF : 127964.9/30

All: 0.074+/-0.000 χ^2/NDF : 232917.6/61

- sign 0.074+/-0.000 χ^2/NDF : 104409.9/30

yield_bpm0r03Y_mean vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 562337631.4/16

Left Out: -0.121 $\pm$ 0.000 χ^2 /NDF: 13678234110.5/13

Right Out: -0.007 $\pm$ 0.000 χ^2 /NDF: 1199278894.0/18

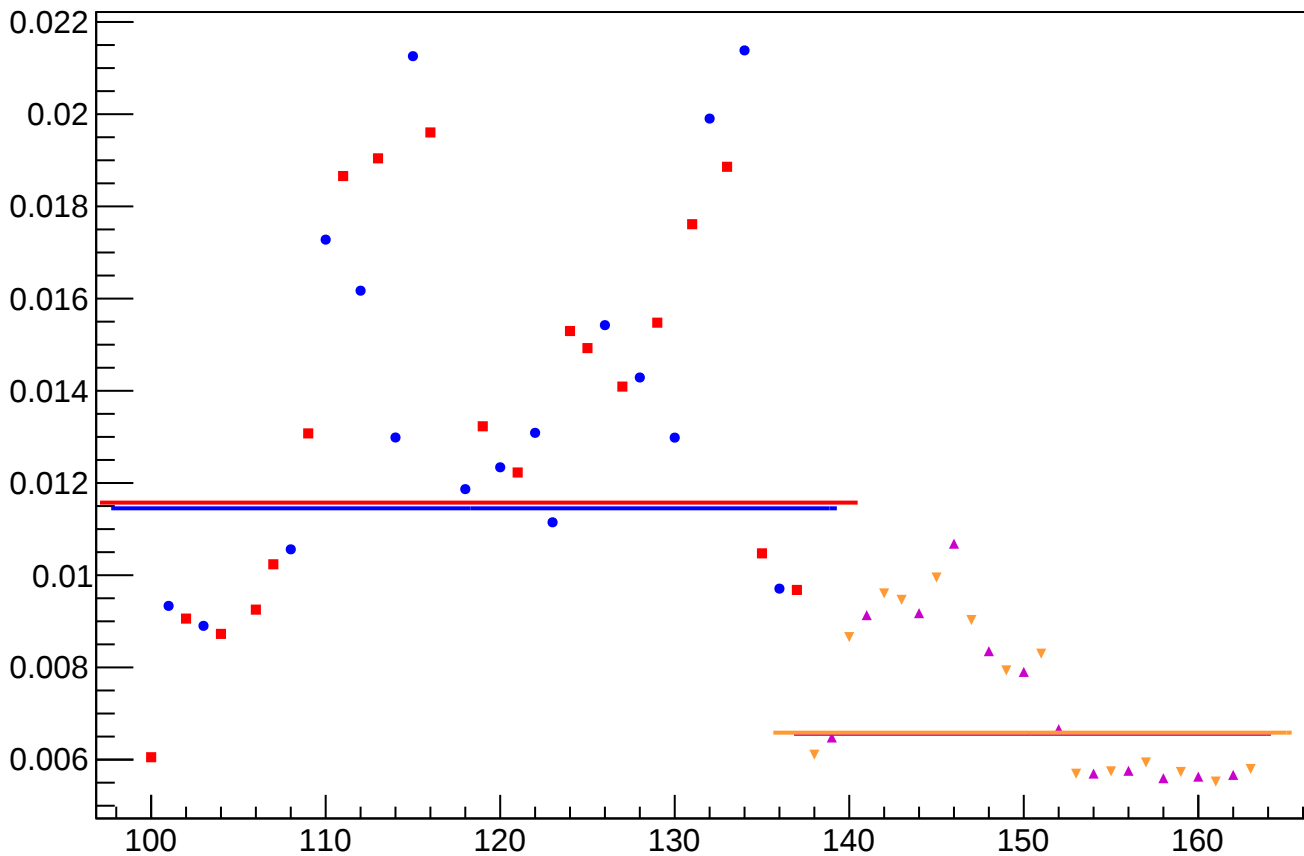
Left In: -0.135 $\pm$ 0.000 χ^2 /NDF: 10196990739.6/11

+ sign -0.096 $\pm$ 0.000 χ^2 /NDF: 15048561393.9/30

All: -0.104 $\pm$ 0.000 χ^2 /NDF: 27071749396.6/30

- sign -0.112 $\pm$ 0.000 χ^2 /NDF: 11993346977.0/30

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:843802.3/13

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 997161.1/18

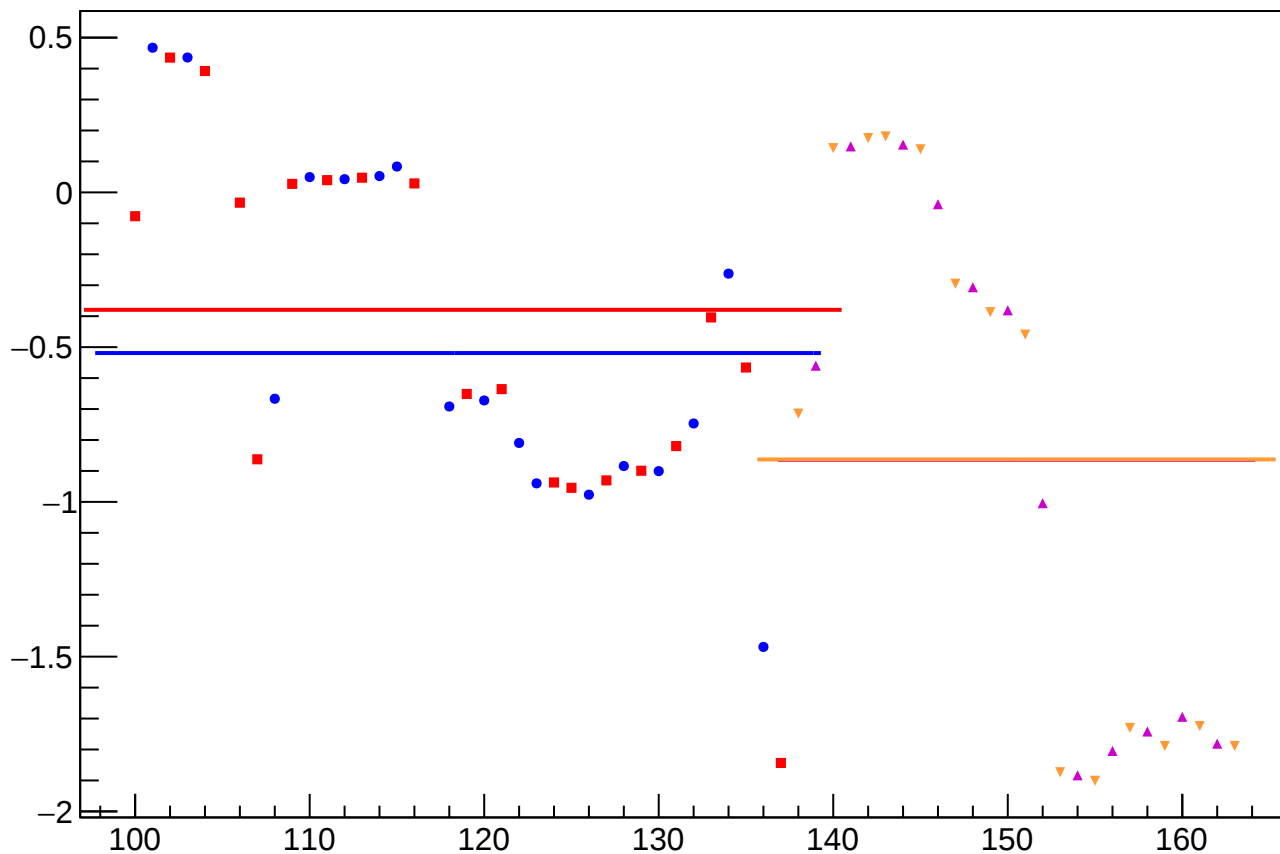
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:754618.4/11

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3249844.2/30

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 6831827.7/61

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3581245.5/30

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.863 ± 0.000 χ^2/NDF : 952249441.2/13

Right Out: -0.379 ± 0.000 χ^2/NDF : 268621179.0/18

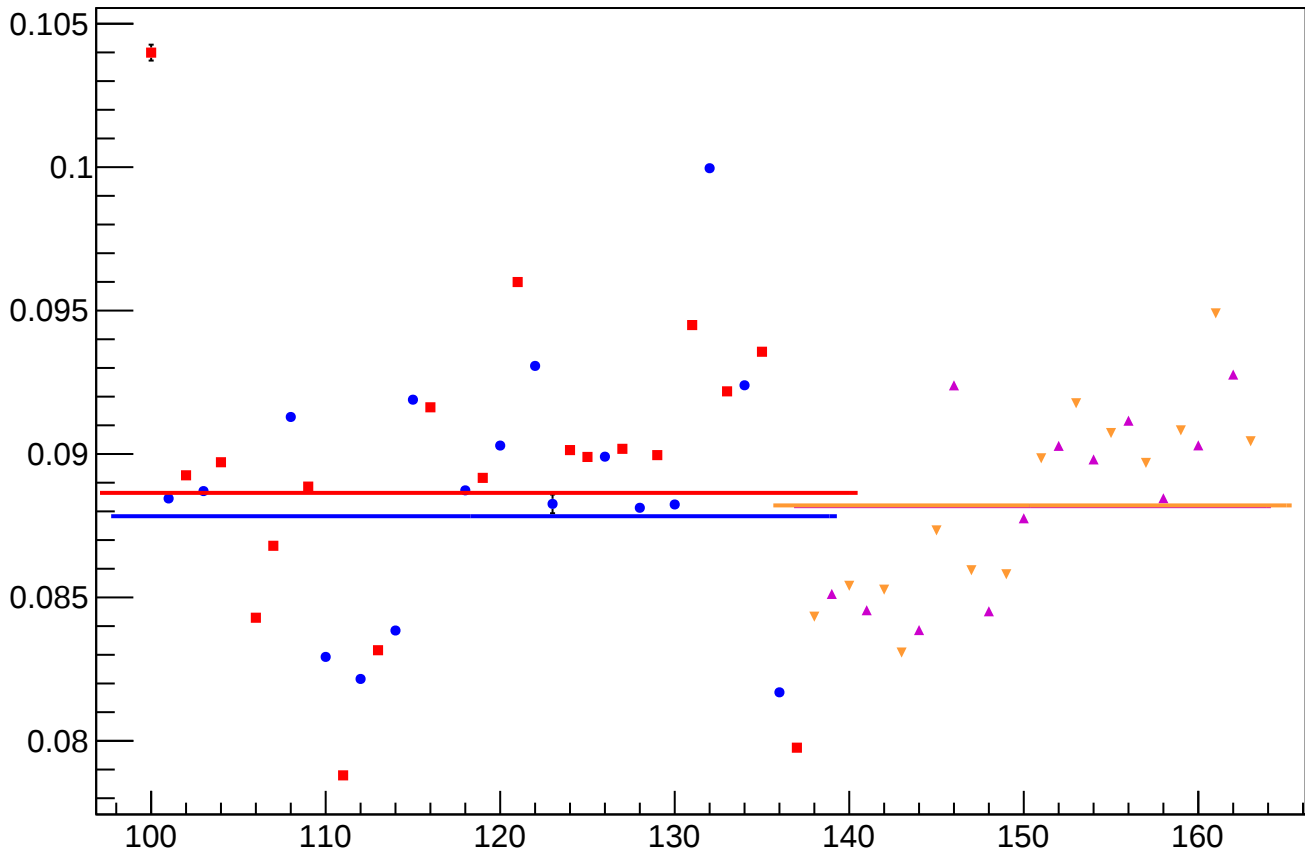
Left In: -0.865 ± 0.000 χ^2/NDF : 792939650.4/11

+ sign -0.728 ± 0.000 χ^2/NDF : 1353860928.9/30

All: -0.695 ± 0.000 χ^2/NDF : 2543331341.4/6

- sign -0.660 ± 0.000 χ^2/NDF : 1184444055.1/30

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34954.4/16

Left Out: 0.088 $\pm$ 0.000 χ^2 /NDF: 27988.5/13

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 39722.9/18

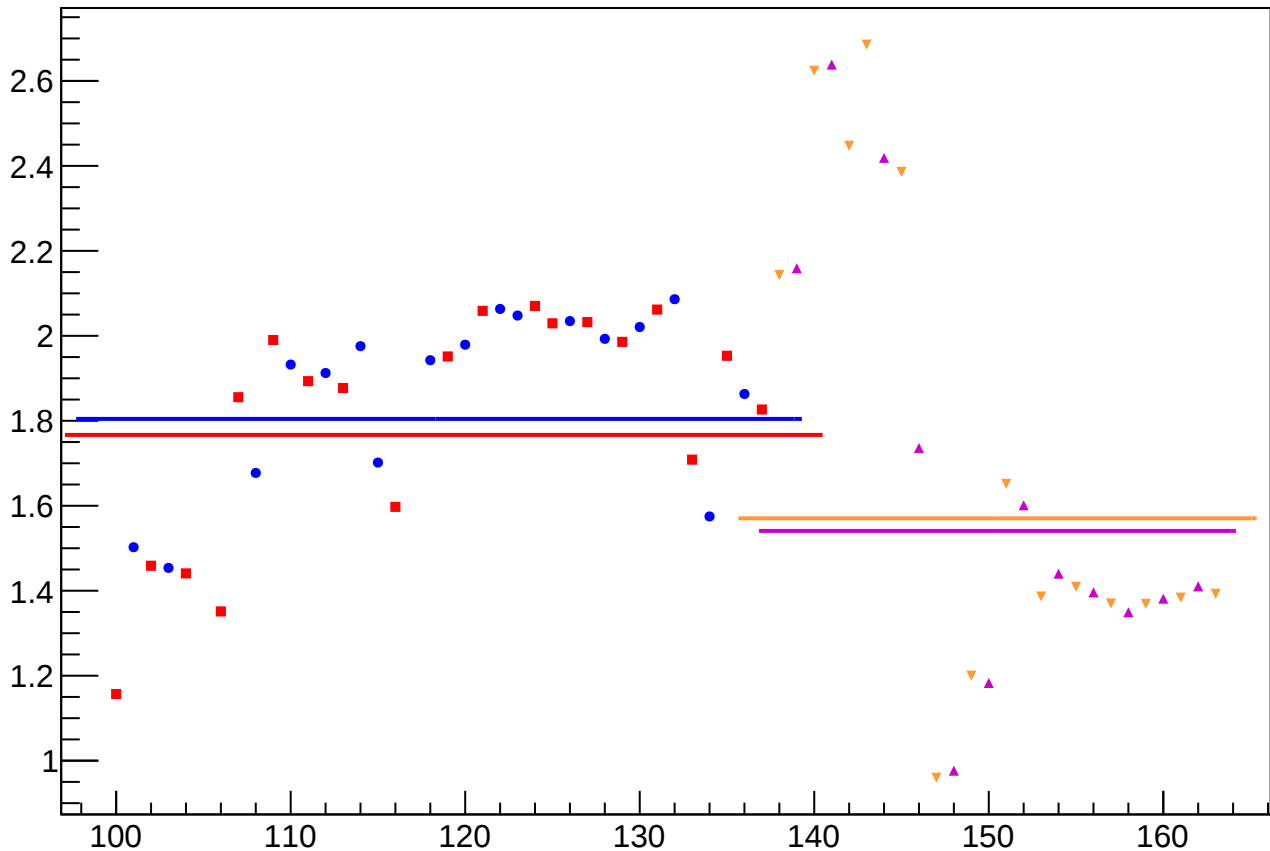
Left In: 0.088 $\pm$ 0.000 χ^2 /NDF: 23392.6/11

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 63092.3/30

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 126650.0/61

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 63339.4/30

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.570 $\pm$ 0.000 χ^2 /NDF: 23022528379.3/13

Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1709259284.5/18

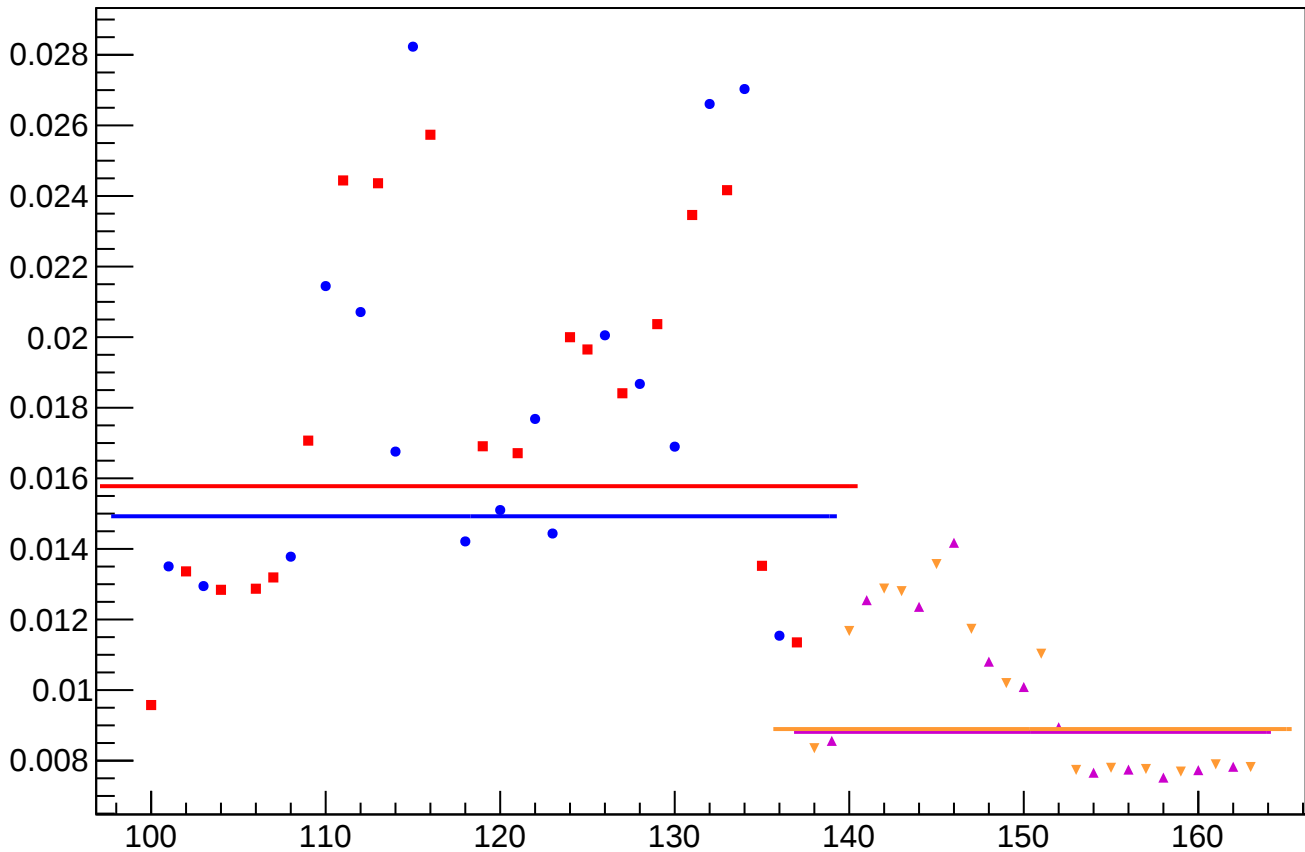
Left In: 1.541 $\pm$ 0.000 χ^2 /NDF: 17806218781.8/11

+ sign 1.612 $\pm$ 0.000 χ^2 /NDF: 25344465639.2/30

All: 1.597 $\pm$ 0.000 χ^2 /NDF: 45949426774.3/6

- sign 1.580 $\pm$ 0.000 χ^2 /NDF: 20535807703.6/30

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 : 782684.1/13

Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

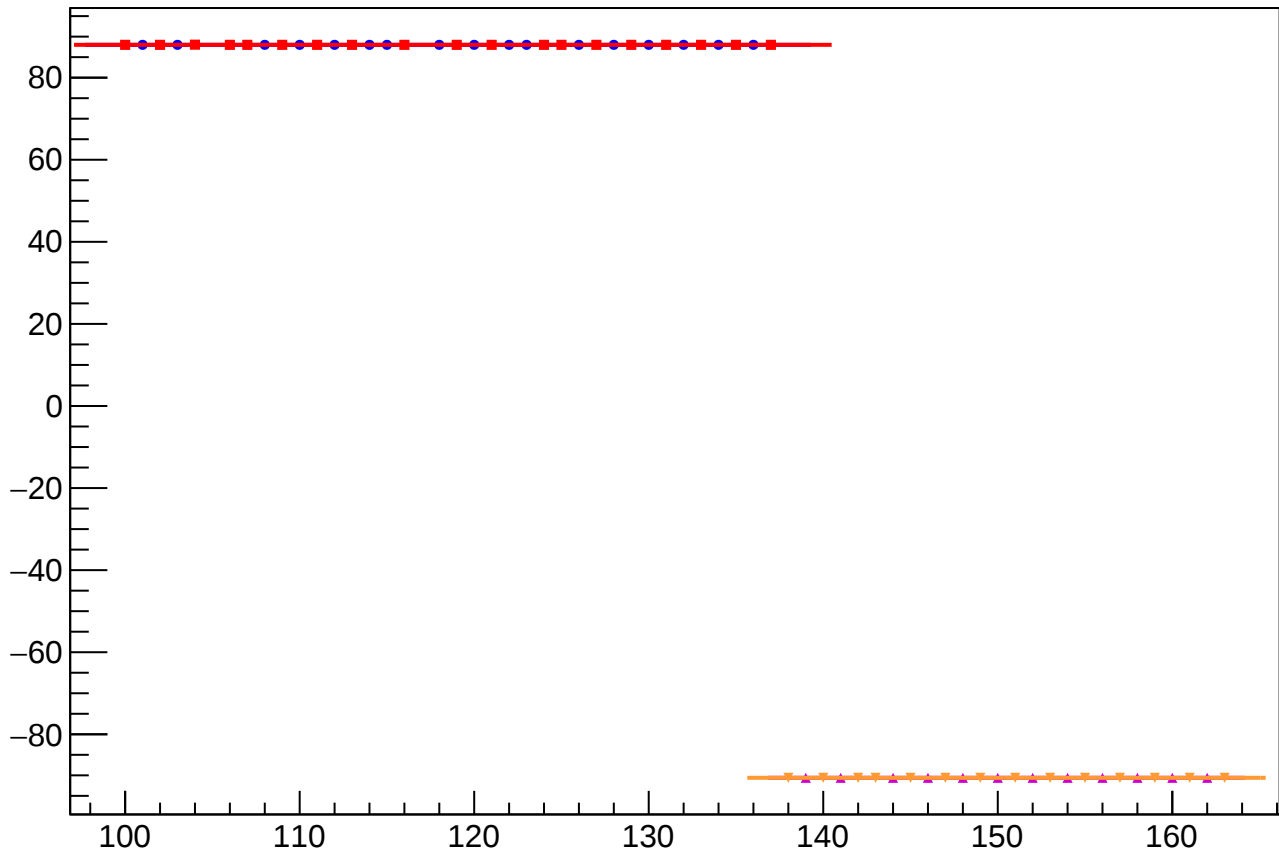
Left In: 0.009+/-0.000 χ^2/NDF : 701351.8/11

+ sign 0.010+/-0.000 χ^2/NDF : 2973186.6/30

All: 0.010+/-0.000 χ^2/NDF : 6398398.9/61

- sign 0.010+/-0.000 χ^2/NDF : 3424298.5/30

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1852068.7/16

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 3888112.4/13

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77545892857504626270604886016.0/18

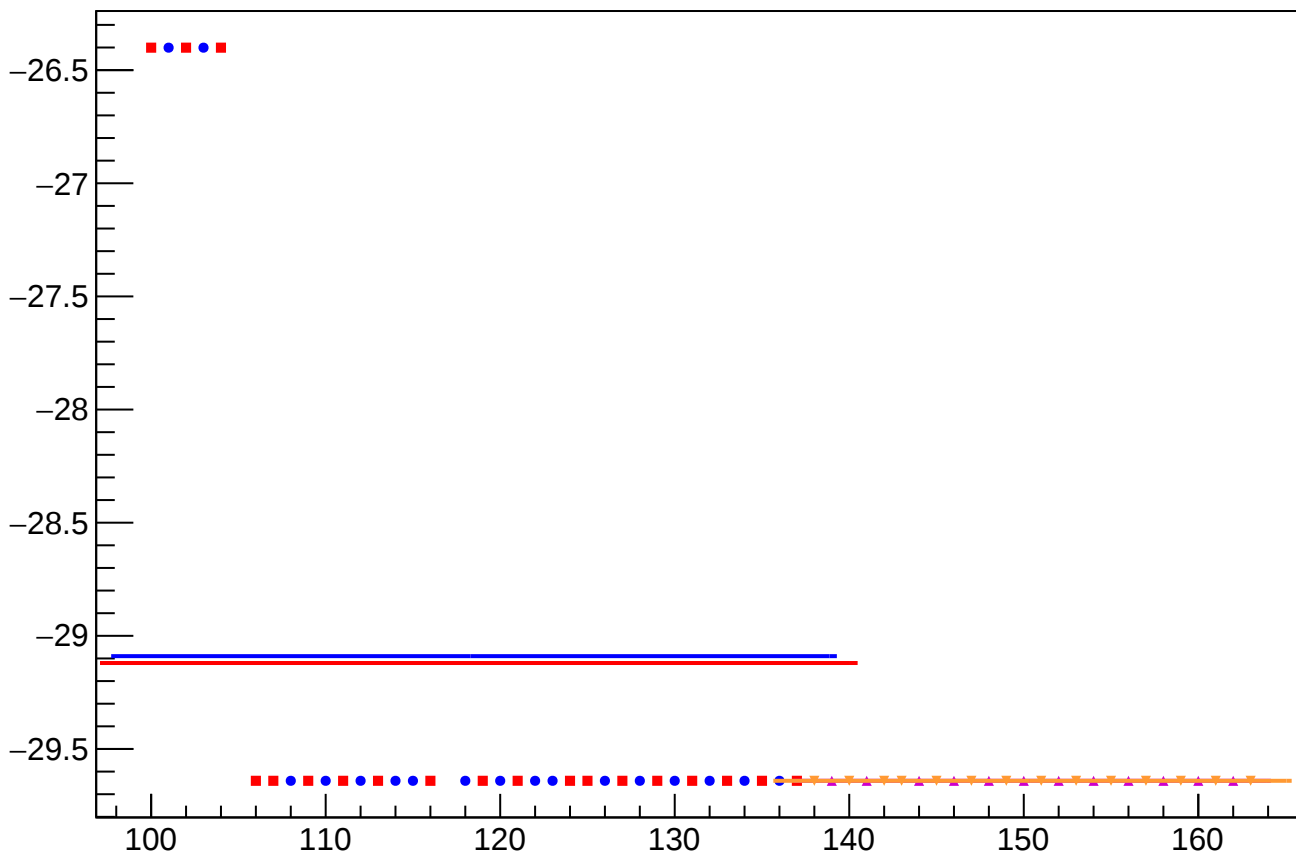
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 1471597.9/11

+ sign -20.965 $\pm$ 0.000 χ^2 /NDF: 135061697104718

All: -18.363 $\pm$ 0.000 χ^2 /NDF: 268996851815

- sign -15.671 $\pm$ 0.000 χ^2 /NDF: 1336899073357093

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 : 180933.1/13

Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18

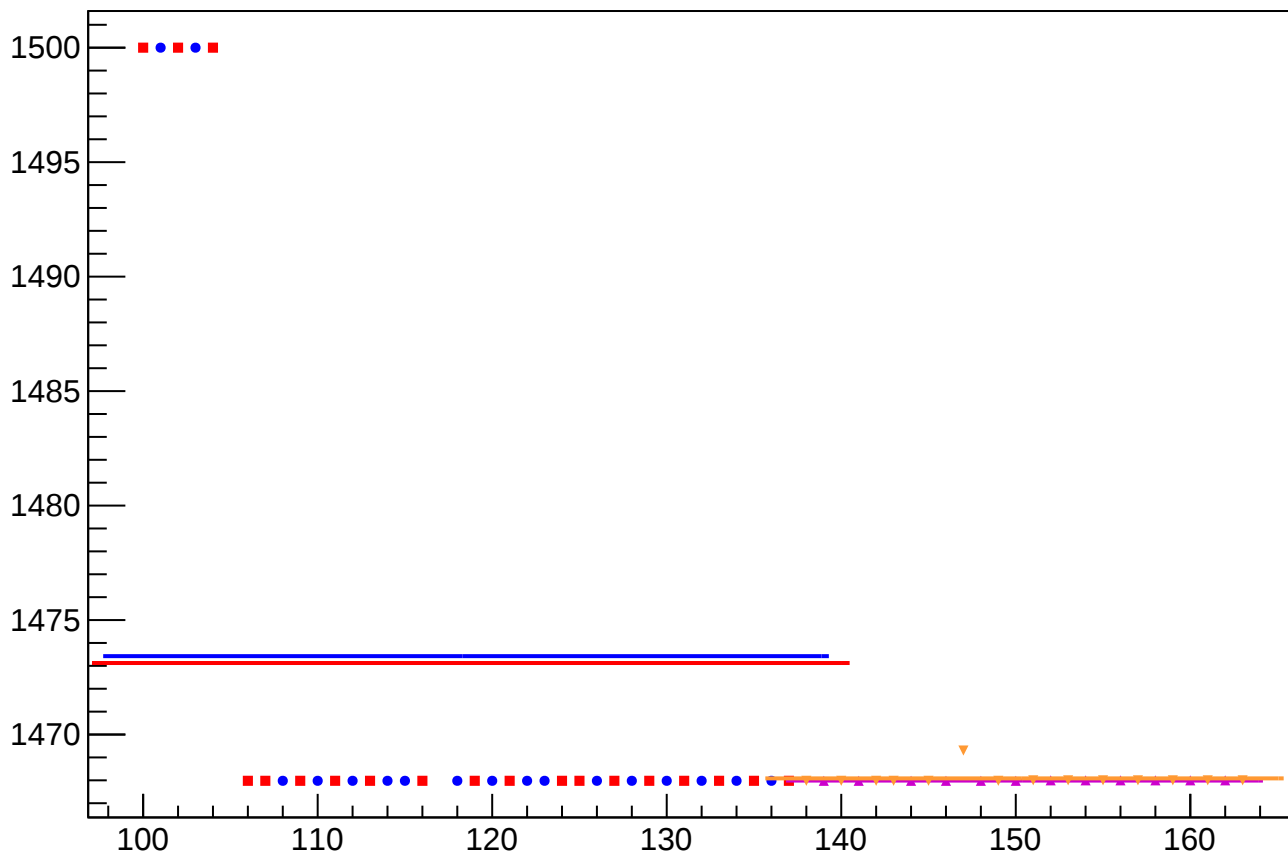
Left In: -29.641+/-0.000 χ^2/NDF : 48328.8/11

+ sign -29.426+/-0.000 χ^2/NDF : 115659961887639

All: -29.424+/-0.000 χ^2/NDF : 229225485655

- sign -29.422+/-0.000 χ^2/NDF : 1135643909355006

epics_psub_pl_poss_mean vs Slug



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.085+/-0.000 χ^2/NDF : 124513214684727570080253335306240.0/13

Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18

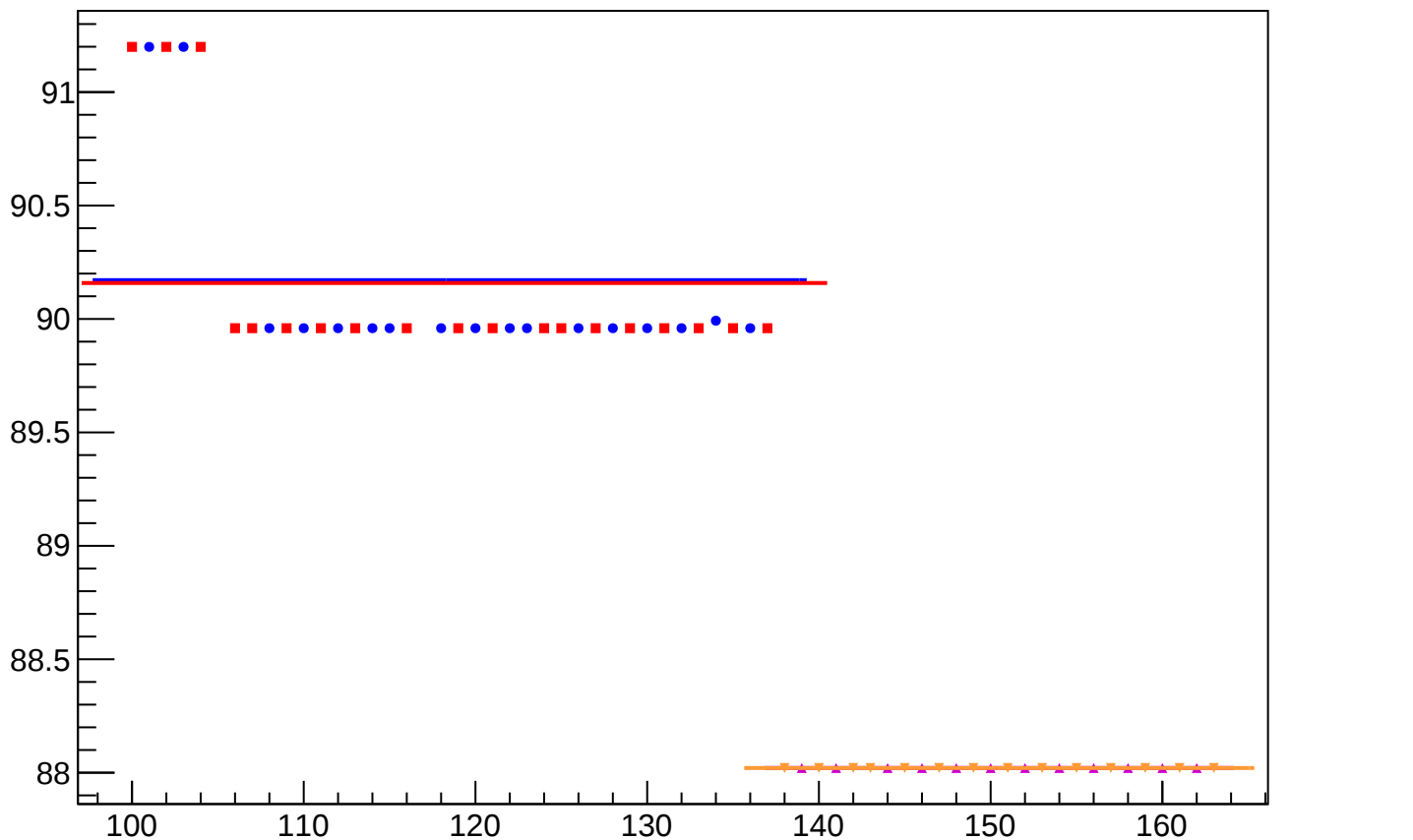
Left In: 1467.989+/-0.000 χ^2/NDF : 99899099071245765713990778880.0/11

+ sign 1470.166+/-0.000 χ^2/NDF : 11261575143375

All: 1470.155+/-0.000 χ^2/NDF : 22349926065

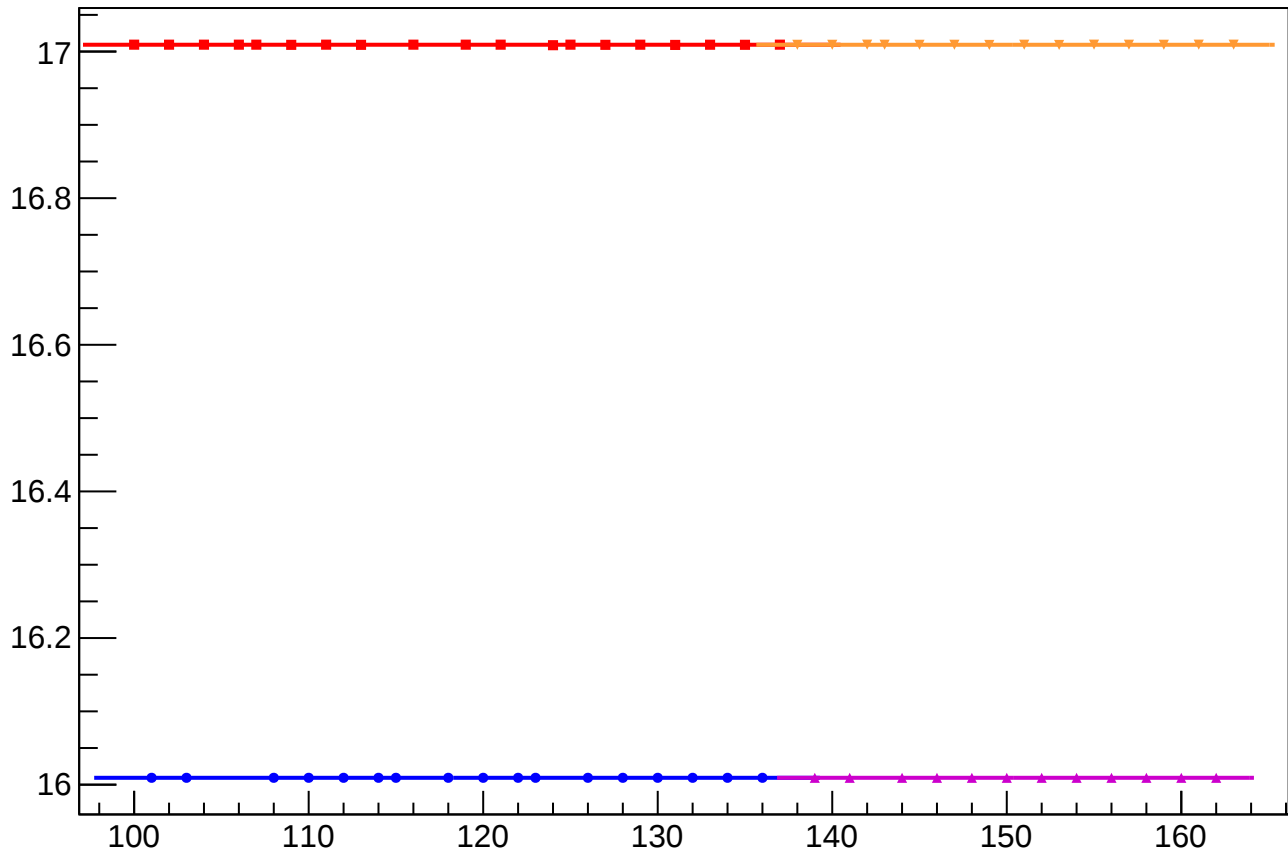
- sign 1470.143+/-0.000 χ^2/NDF : 11088304650235

epics_Phi_FGs_mean vs Slug



Right In: 90.171 $\pm$ 0.000 χ^2 /NDF: 150316905454500935857801185460224.0/16
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF:3150394.9/13 + sign 88.859 $\pm$ 0.000 χ^2 /NDF: 2108348626371176
 Right Out: 90.159 $\pm$ 0.000 χ^2 /NDF: 149705165651000025160777180643328.0/18 All: 88.888 $\pm$ 0.000 χ^2 /NDF: 4176458984015
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF:1399502.4/11 - sign 88.918 $\pm$ 0.000 χ^2 /NDF: 2065122113549281

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 : 13382504132305767798669312.0/13

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 12516014336037541461884928.0/18

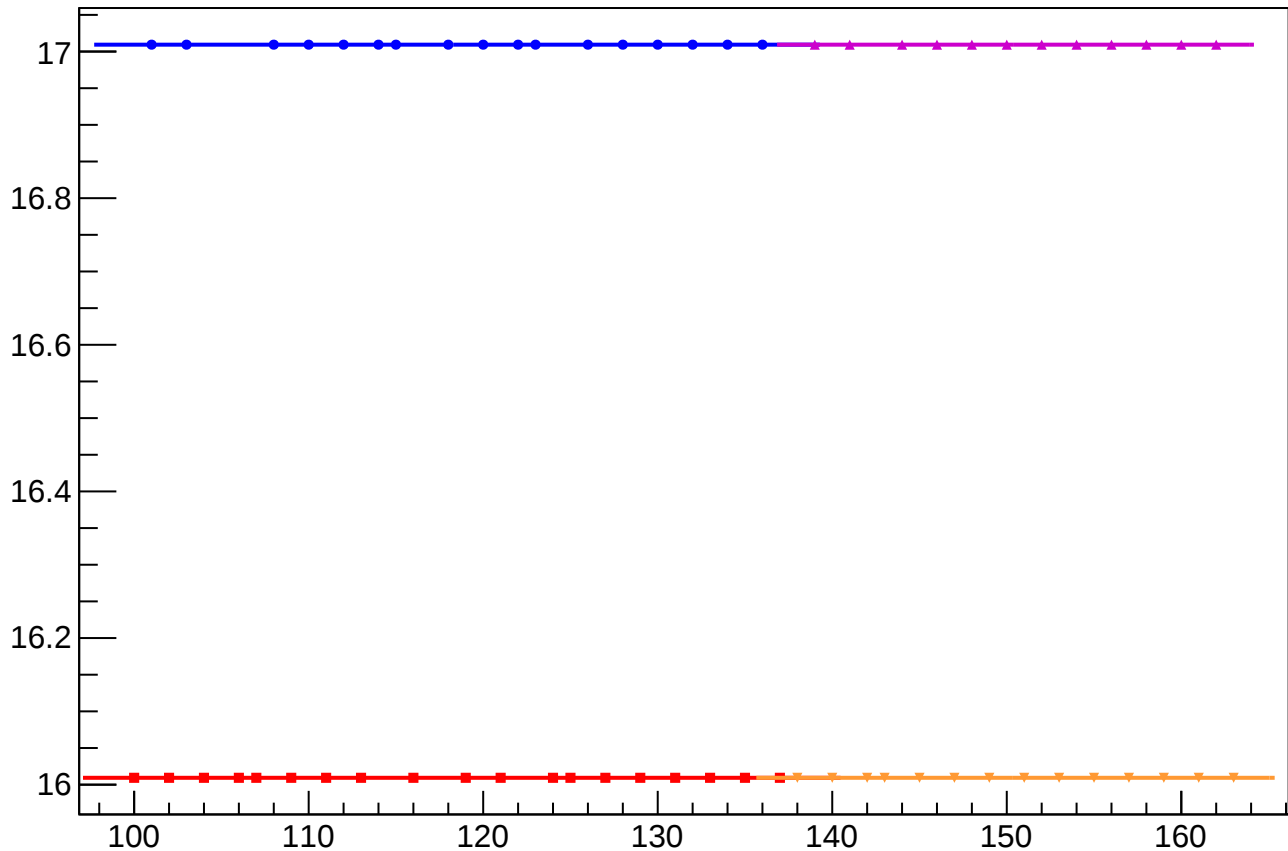
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 37903.2/11

+ sign 16.607 $\pm$ 0.000 χ^2/NDF : 3954871705589736

All: 16.516 $\pm$ 0.000 χ^2/NDF : 8071652460829

- sign 16.422 $\pm$ 0.000 χ^2/NDF : 3840778981744139

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2 /NDF: 132629.6/16

Left Out: 16.009+/-0.000 χ^2 /NDF: 40881.9/13

Right Out: 16.009+/-0.000 χ^2 /NDF: 39518.8/18

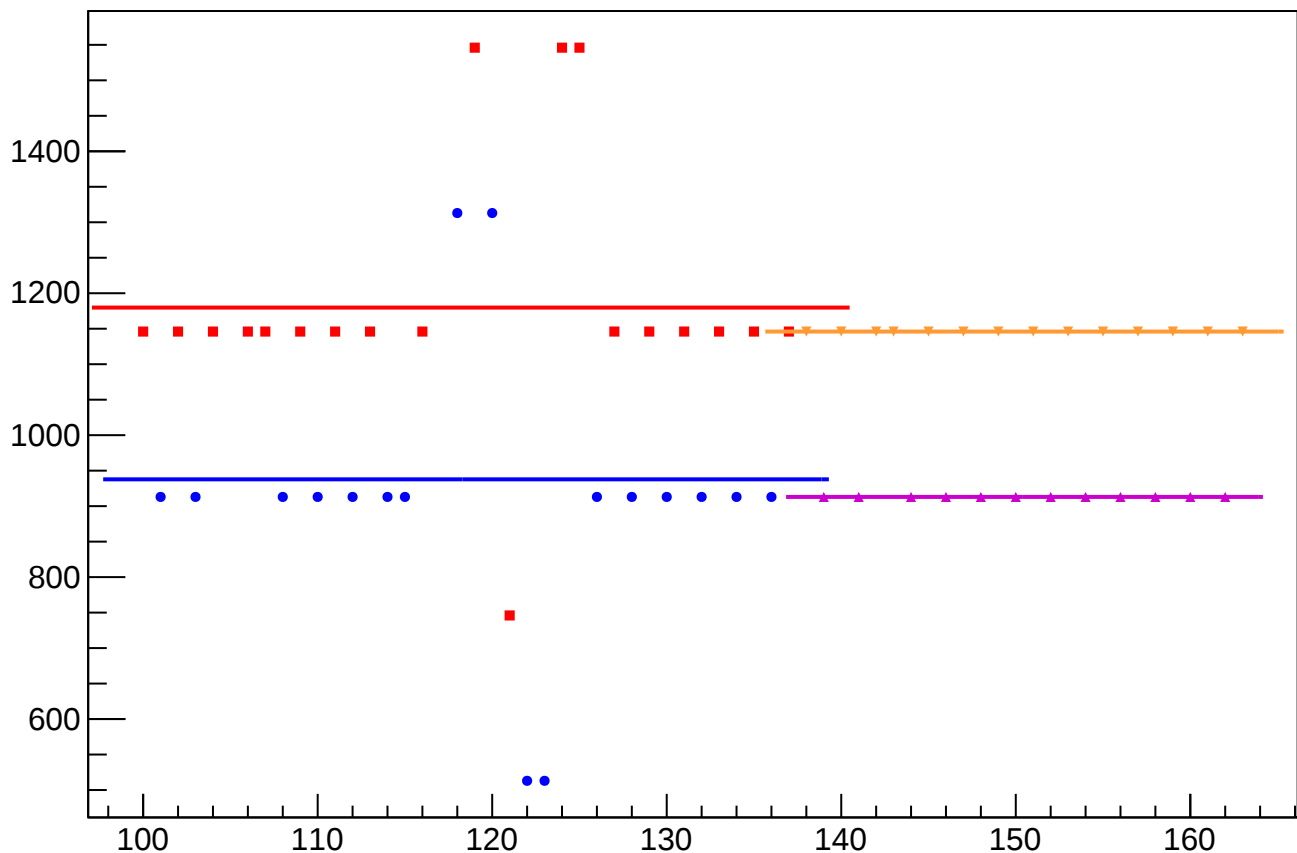
Left In: 17.009+/-0.000 χ^2 /NDF: 18364.7/11

+ sign 16.390+/-0.000 χ^2 /NDF: 4101356321839033

All: 16.488+/-0.000 χ^2 /NDF: 8589938988959

- sign 16.589+/-0.000 χ^2 /NDF: 4146327849588354

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 : 3925709817734859488766197760.0/13

Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18

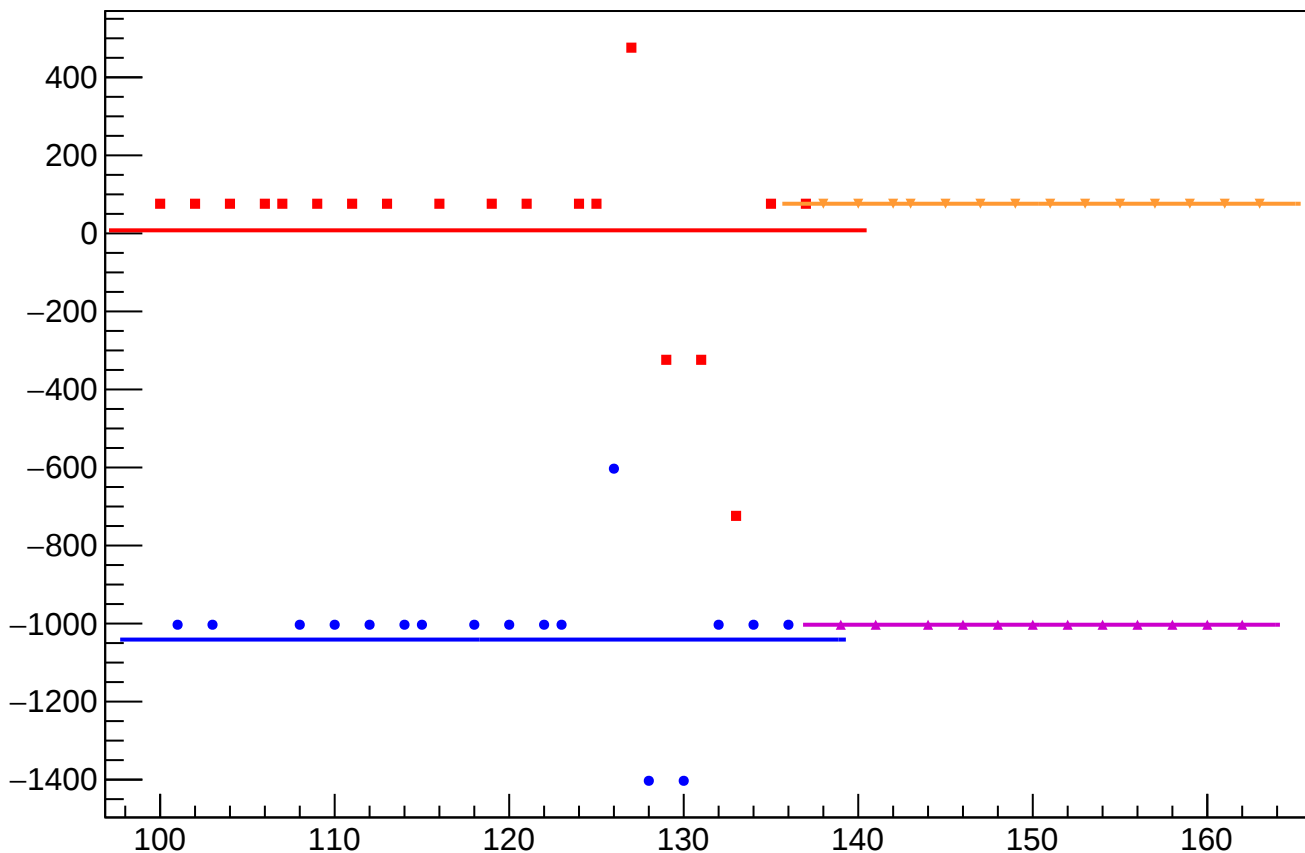
Left In: 912.994+/-0.000 χ^2/NDF : 13162467717235277240723308544.0/11

All: 1045.212+/-0.000 χ^2/NDF : 91858736963

+ sign 1064.824+/-0.000 χ^2/NDF : 39214679199788

- sign 1024.928+/-0.000 χ^2/NDF : 51251292842134

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 : 9291634271305140342240575488.0/13

Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18

Left In: -1002.989+/-0.000 χ^2/NDF : 1307502855883668168323891200.0/11

All: -467.362+/-0.000 χ^2/NDF : 10652271456

+ sign -359.509+/-0.000 χ^2/NDF : 55100795932144

- sign -578.912+/-0.000 χ^2/NDF : 472098617962583