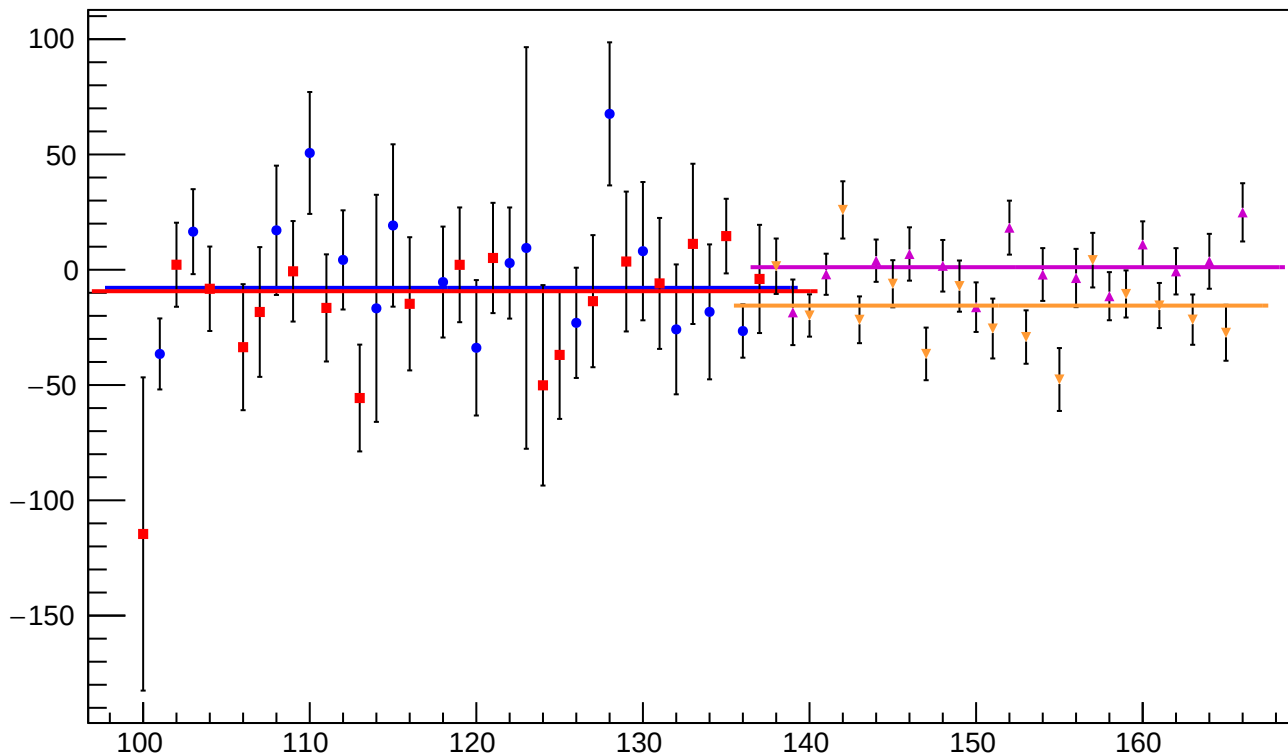


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -15.548 ± 2.869

χ^2/NDF : 30.4/14

Right Out: -9.309 ± 5.677

χ^2/NDF : 13.2/18

Left In: 1.114 ± 2.922

χ^2/NDF : 13.4/13

+ sign -13.950 ± 2.554

χ^2/NDF : 54.5/31

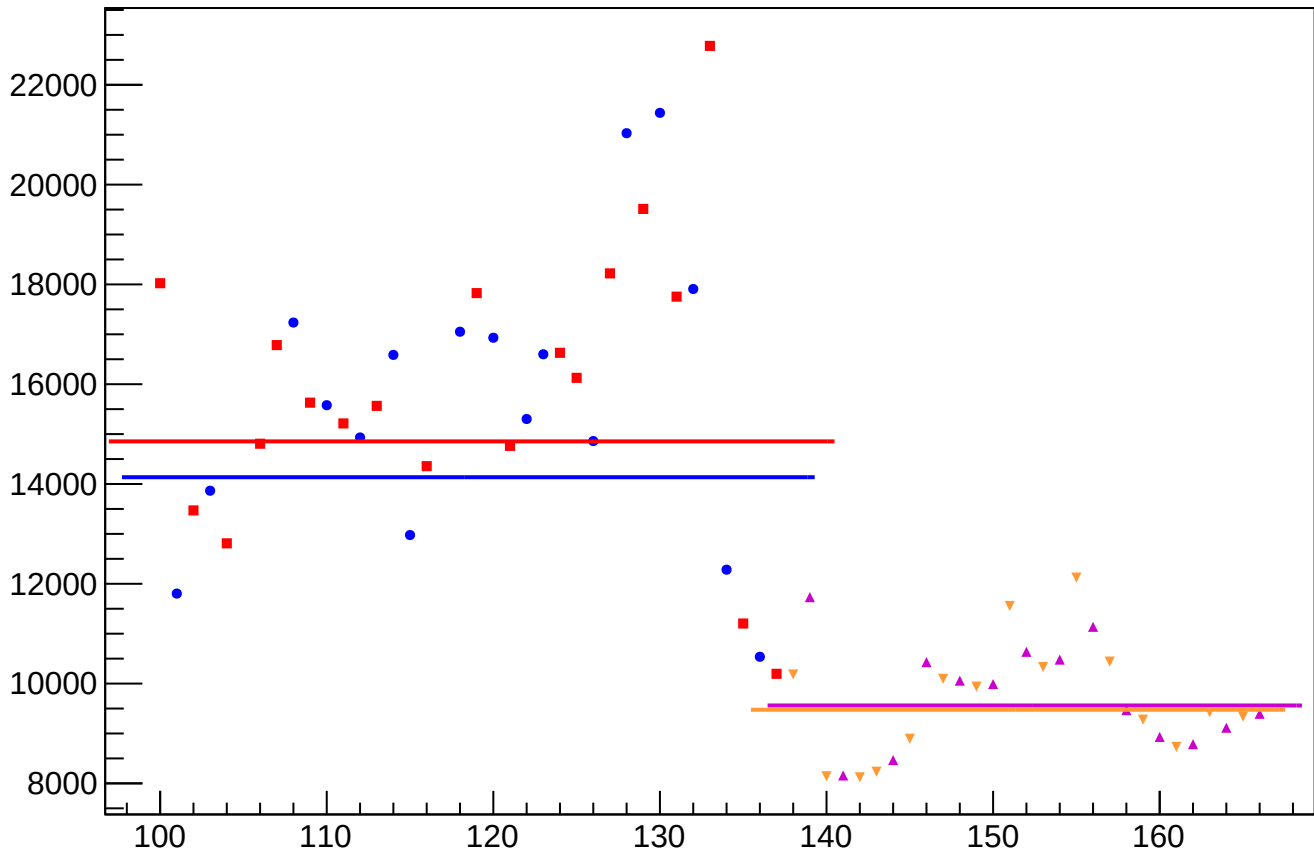
All: -7.620 ± 1.821

χ^2/NDF : 96.2/64

- sign -1.069 ± 2.598

χ^2/NDF : 29.3/32

diff_bpm4aX_rms vs Slug



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

Left Out: 9475.216+/-2.029 χ^2/NDF : 282444.0/14

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

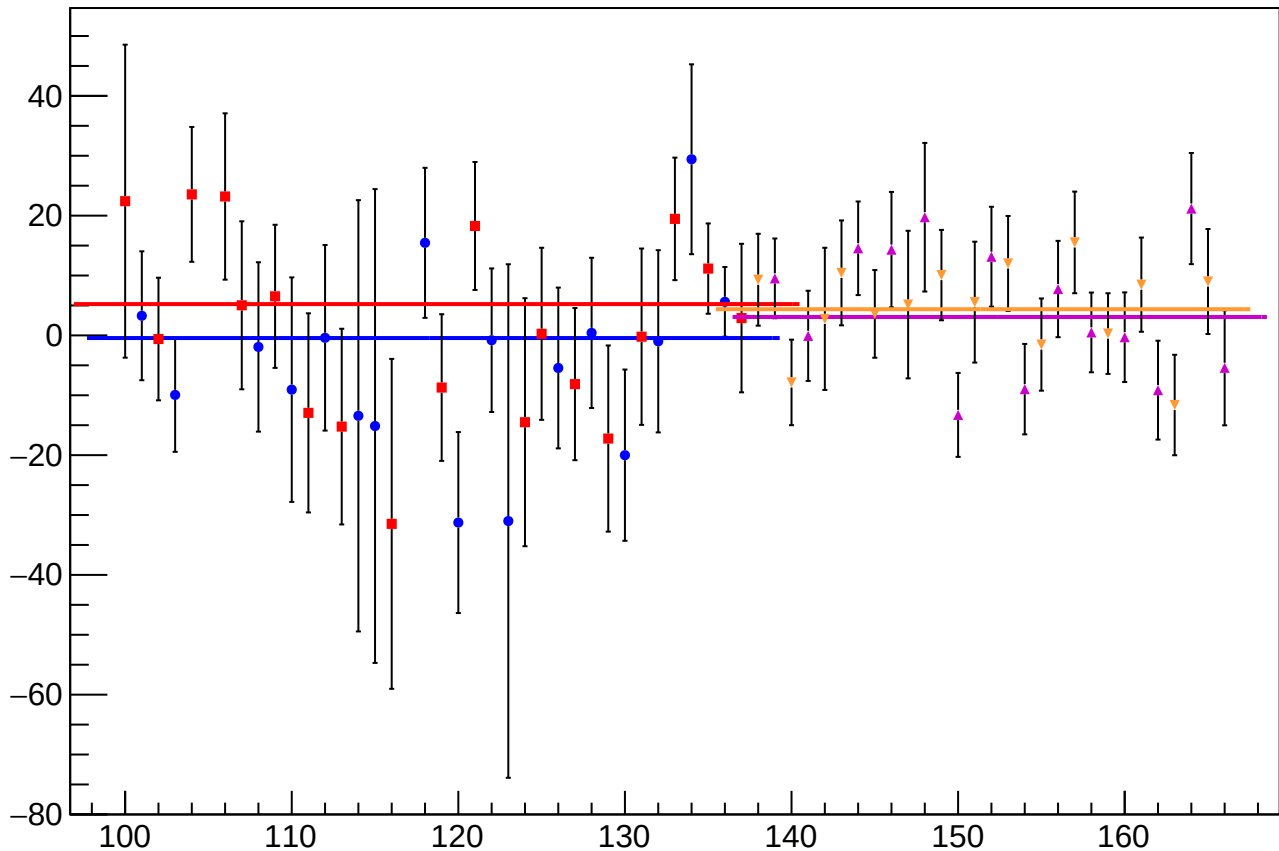
Left In: 9561.154+/-2.066 χ^2/NDF : 227042.2/13

+ sign 10441.793+/-1.806 χ^2/NDF : 1974342.5/31

All: 10553.772+/-1.288 χ^2/NDF : 4055532.8/6

- sign 10669.644+/-1.837 χ^2/NDF : 2073367.7/32

diff_bpm4aY_mean vs Slug



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

Left Out: 4.373 ± 2.125 χ^2/NDF : 12.2/14

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

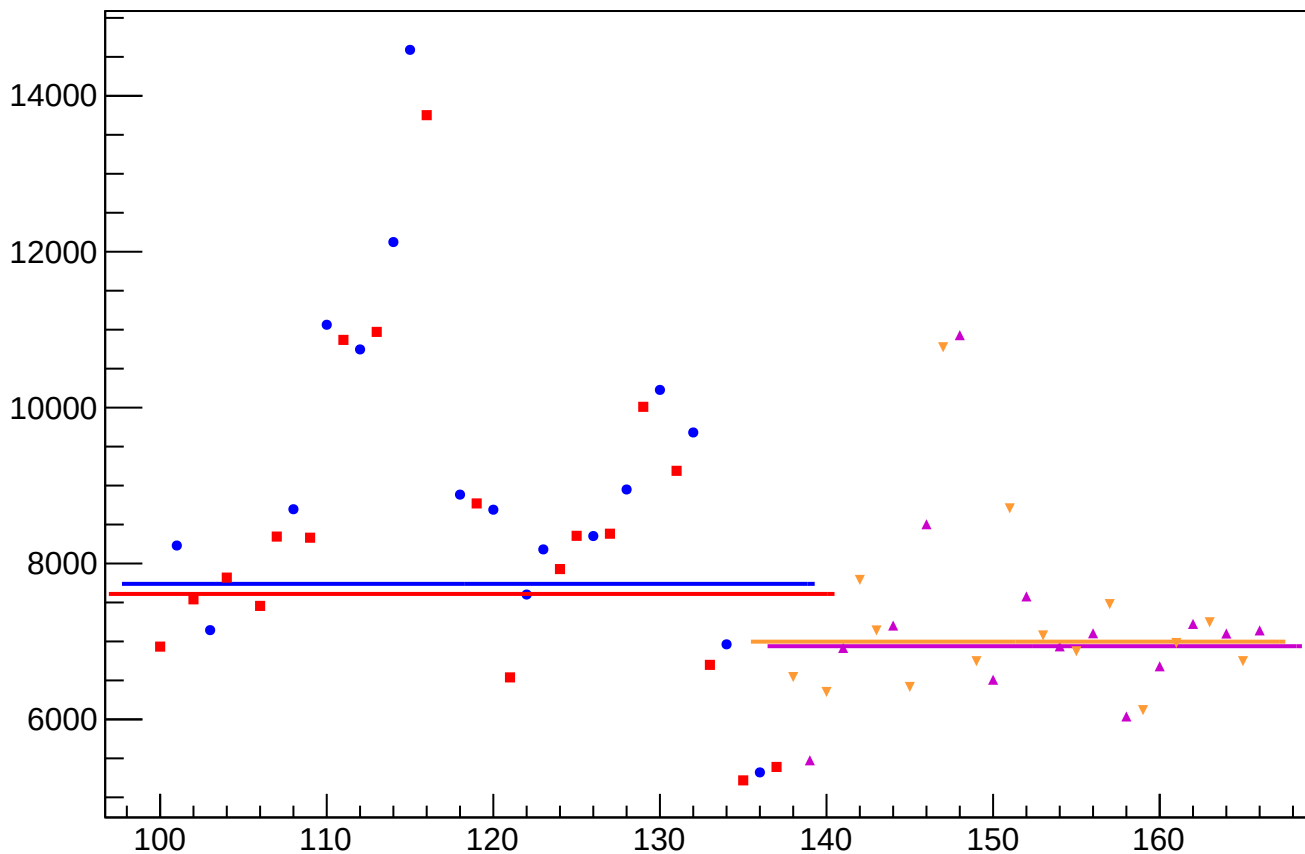
Left In: 3.075 ± 2.137 χ^2/NDF : 23.3/13

+ sign 2.813 ± 1.748 χ^2/NDF : 28.4/31

All: 3.323 ± 1.229 χ^2/NDF : 71.6/64

- sign 3.821 ± 1.728 χ^2/NDF : 43.0/32

diff_bpm4aY_rms vs Slug



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

Left Out: 6997.408+/-1.503 χ^2/NDF :337460.9/14

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

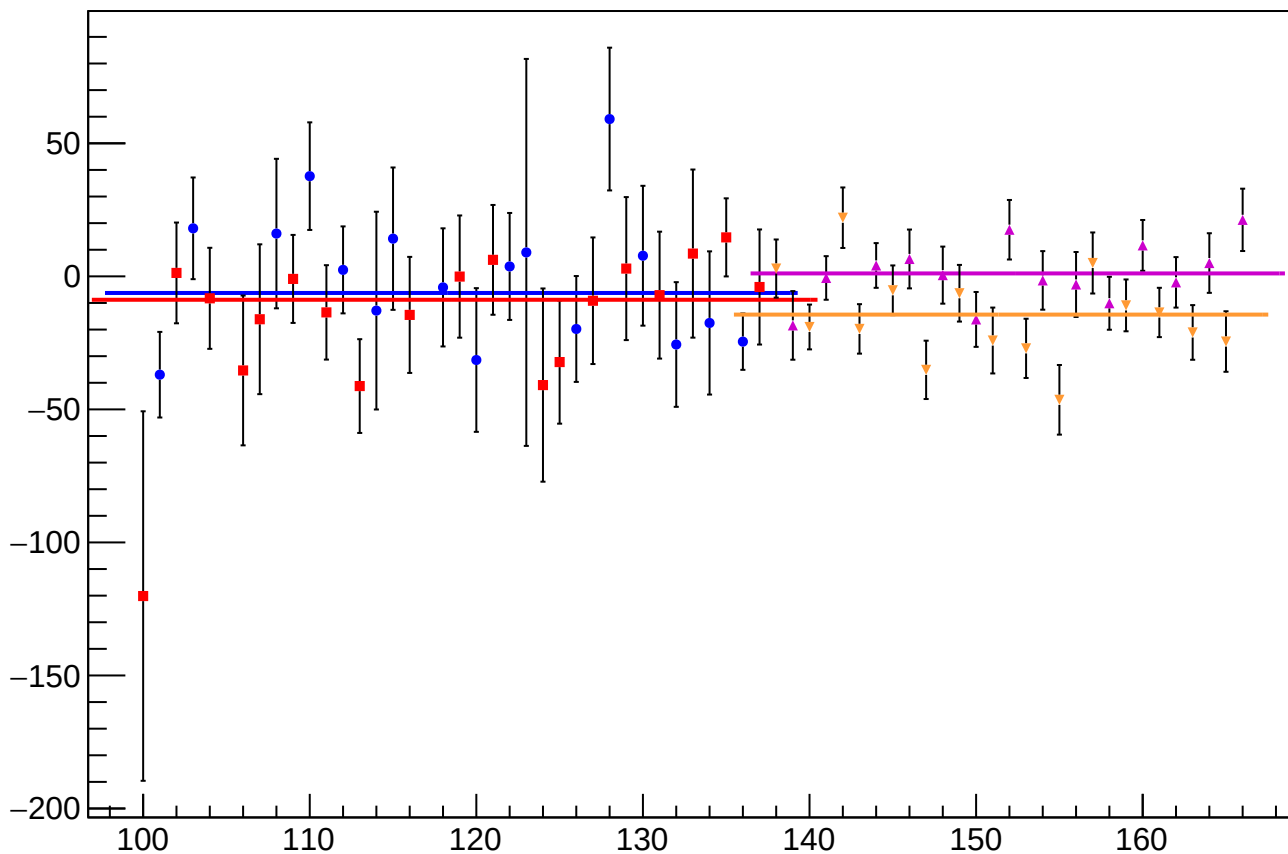
Left In: 6939.015+/-1.511 χ^2/NDF :421320.3/13

+ sign 7237.548+/-1.236 χ^2/NDF : 1157127.0/31

All: 7204.014+/-0.869 χ^2/NDF : 2327277.0/64

- sign 7171.242+/-1.222 χ^2/NDF : 1168694.2/32

diff_bpm4eX_mean vs Slug



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

Left Out: -14.372 ± 2.694 χ^2/NDF : 30.6/14

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

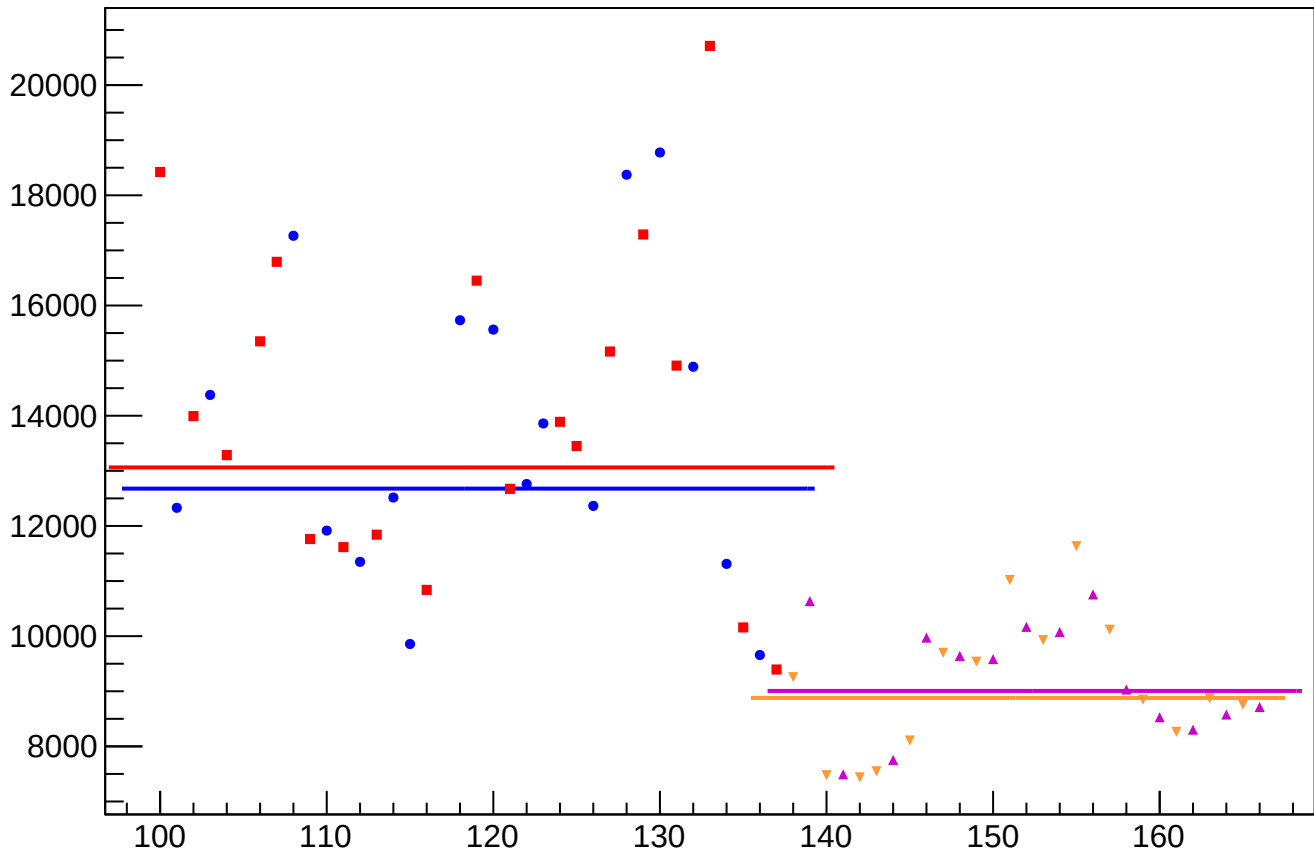
Left In: 1.104 ± 2.755 χ^2/NDF : 13.5/13

+ sign -12.554 ± 2.373 χ^2/NDF : 55.9/31

All: -6.974 ± 1.692 χ^2/NDF : 96.8/64

- sign -1.204 ± 2.413 χ^2/NDF : 29.7/32

diff_bpm4eX_rms vs Slug



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

Left Out: 8879.359+/-1.905 χ^2/NDF : 361999.1/14

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

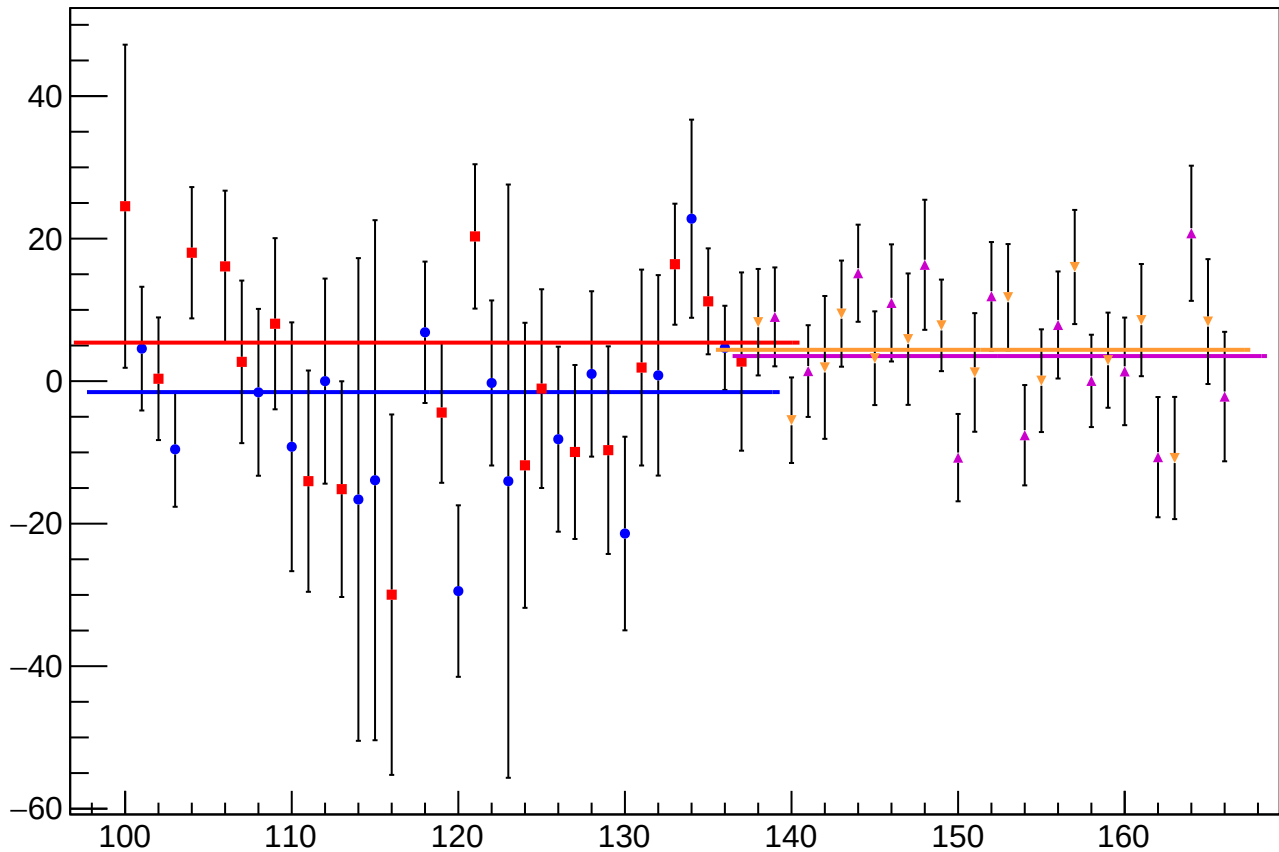
Left In: 9006.247+/-1.948 χ^2/NDF : 274970.3/13

+ sign 9729.153+/-1.678 χ^2/NDF : 1805287.3/31

All: 9838.309+/-1.196 χ^2/NDF : 3595829.8/64

- sign 9951.161+/-1.706 χ^2/NDF : 1781937.5/32

diff_bpm4eY_mean vs Slug



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

Left Out: 4.397 ± 1.942 χ^2/NDF : 11.1/14

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

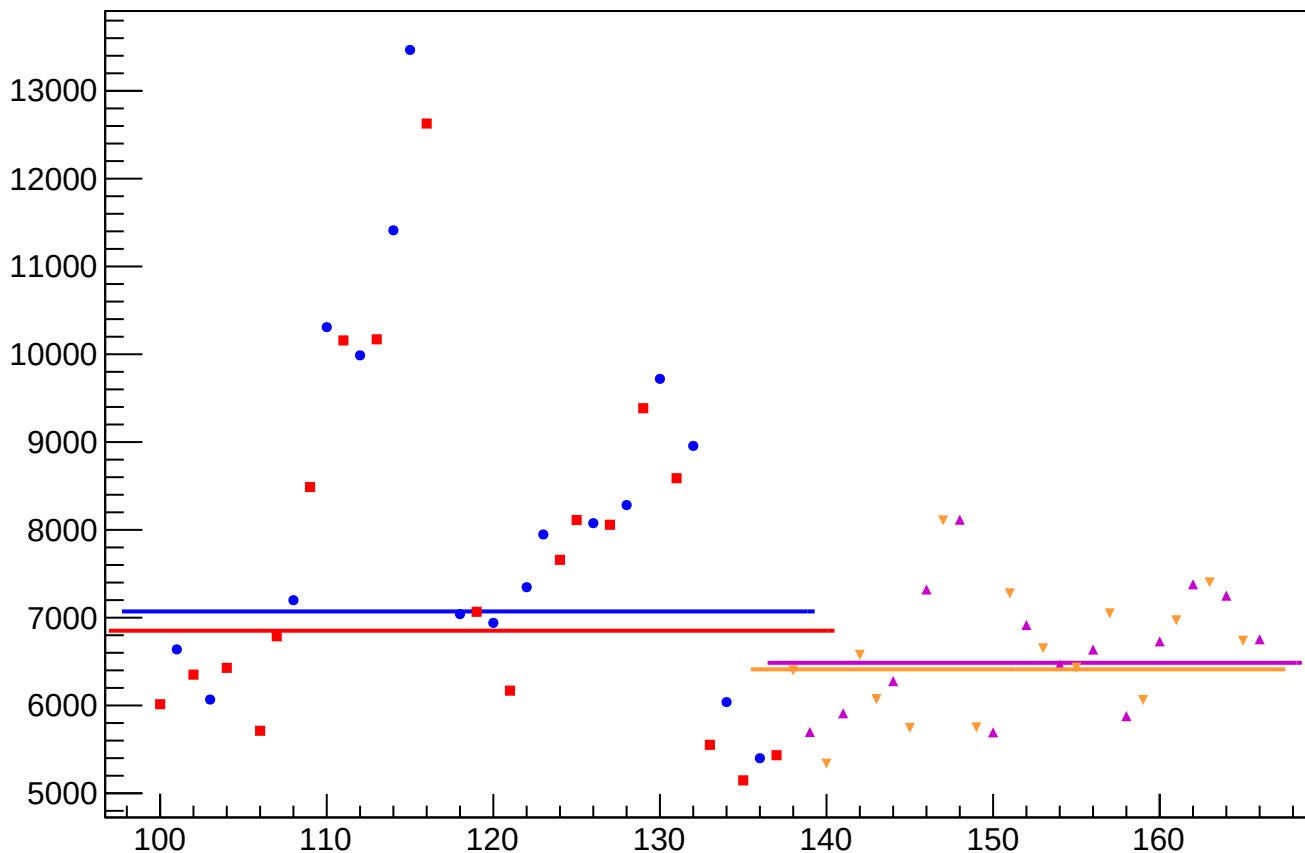
Left In: 3.518 ± 1.985 χ^2/NDF : 22.8/13

+ sign 2.461 ± 1.594 χ^2/NDF : 29.0/31

All: 3.334 ± 1.124 χ^2/NDF : 71.3/64

- sign 4.200 ± 1.587 χ^2/NDF : 41.7/32

diff_bpm4eY_rms vs Slug



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

Left Out: 6411.589+/-1.373 χ^2/NDF : 259411.1/14

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

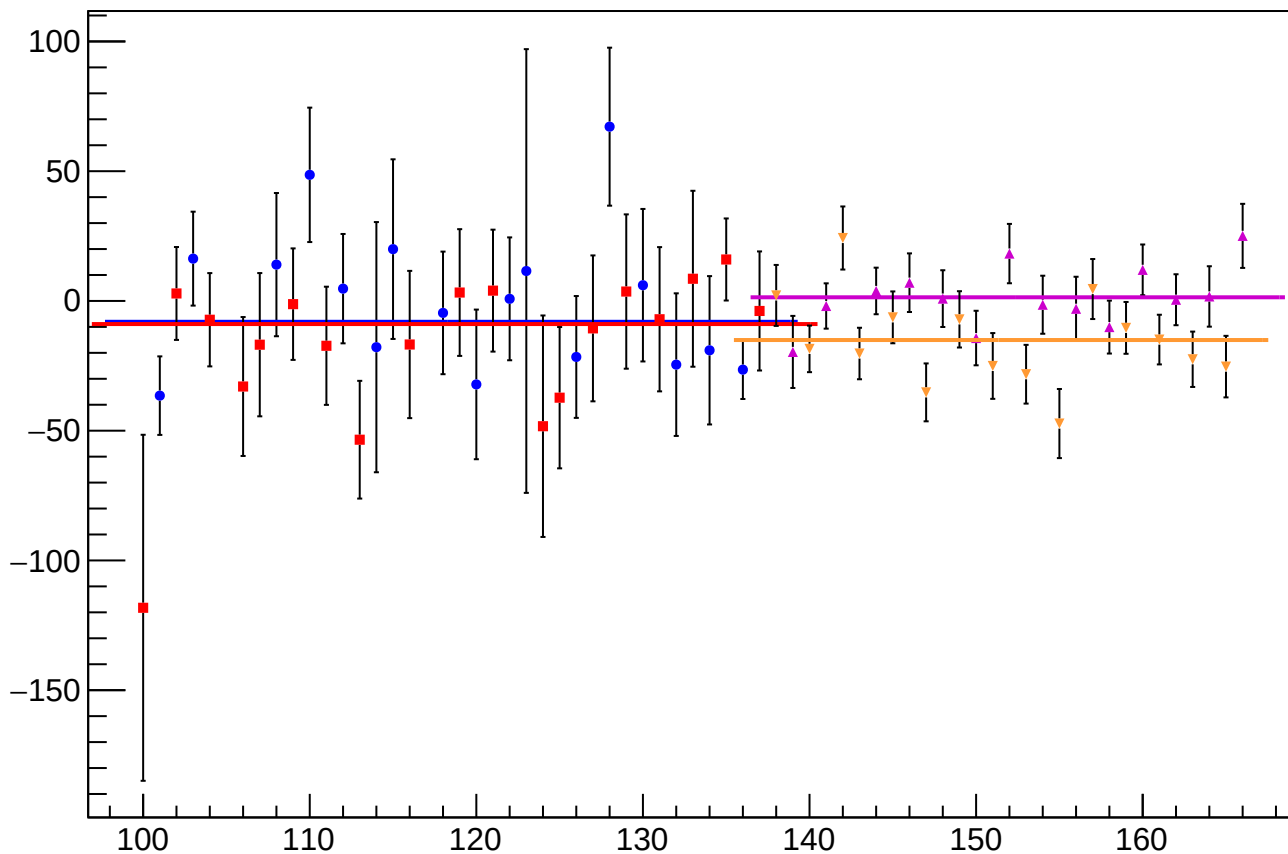
Left In: 6485.931+/-1.404 χ^2/NDF : 225568.1/13

+ sign 6626.736+/-1.127 χ^2/NDF : 935420.7/31

All: 6622.374+/-0.795 χ^2/NDF : 1869931.8/64

- sign 6618.051+/-1.122 χ^2/NDF : 934481.3/32

diff_bpm4acX_mean vs Slug



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

Left Out: -15.063 ± 2.805 χ^2/NDF : 29.8/14

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

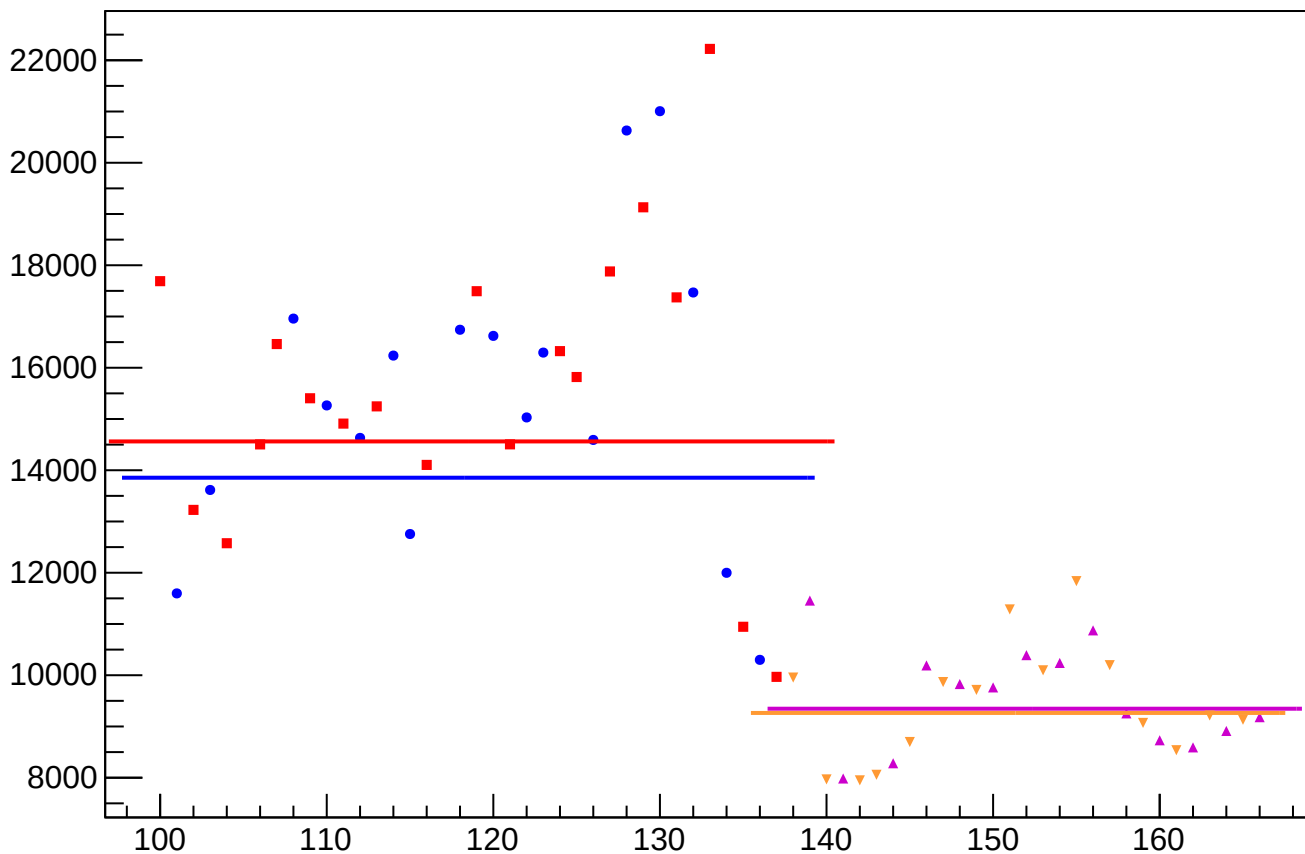
Left In: 1.405 ± 2.856 χ^2/NDF : 13.5/13

+ sign -13.612 ± 2.498 χ^2/NDF : 53.6/31

All: -7.288 ± 1.782 χ^2/NDF : 96.6/64

- sign -0.745 ± 2.541 χ^2/NDF : 29.9/32

diff_bpm4acX_rms vs Slug



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

Left Out: 9264.088+/-1.983 χ^2/NDF : 279211.0/14

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

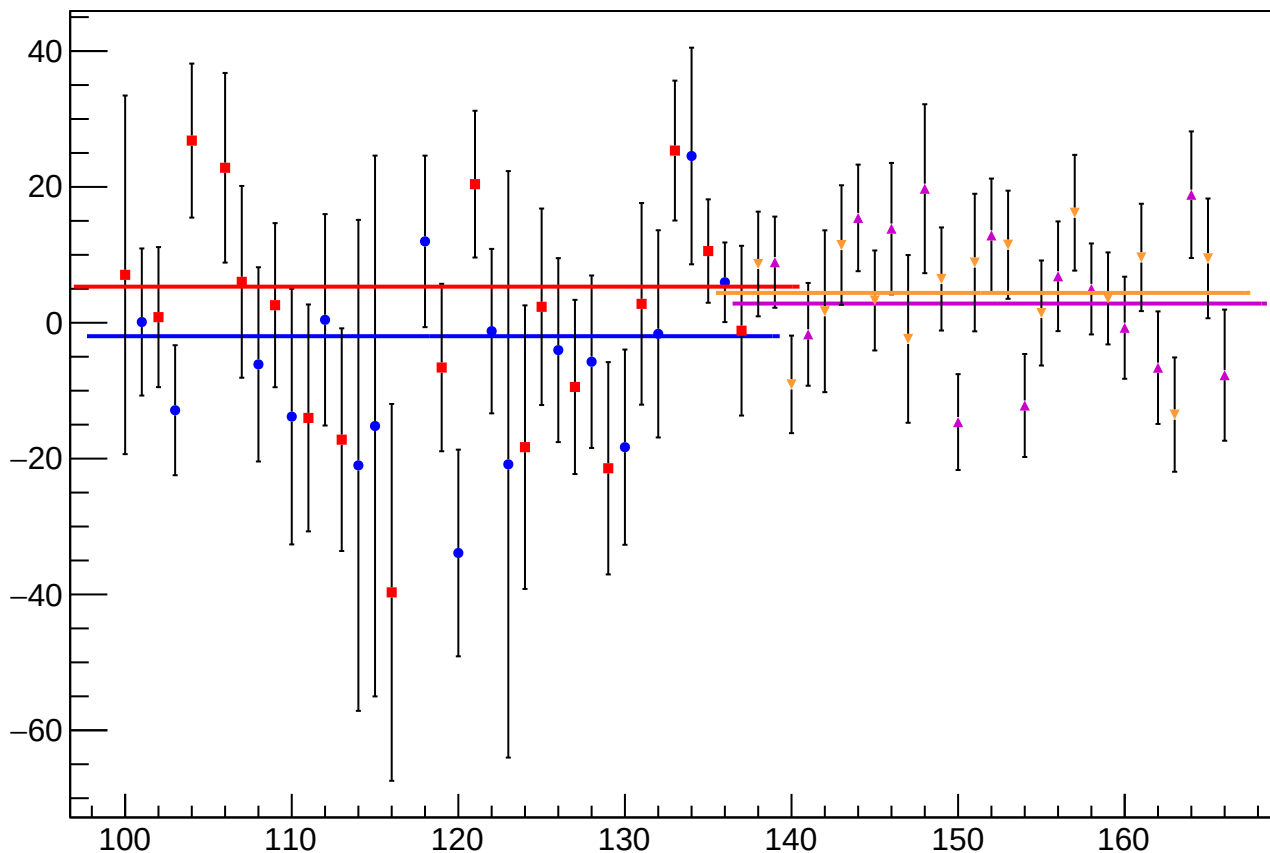
Left In: 9346.668+/-2.020 χ^2/NDF : 224338.6/13

+ sign 10212.012+/-1.767 χ^2/NDF : 1986543.5/31

All: 10320.999+/-1.260 χ^2/NDF : 4082928.6/6

- sign 10433.767+/-1.797 χ^2/NDF : 2088640.2/32

diff_bpm4acY_mean vs Slug



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

Left Out: 4.396+/-2.135 χ^2/NDF :13.3/14

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

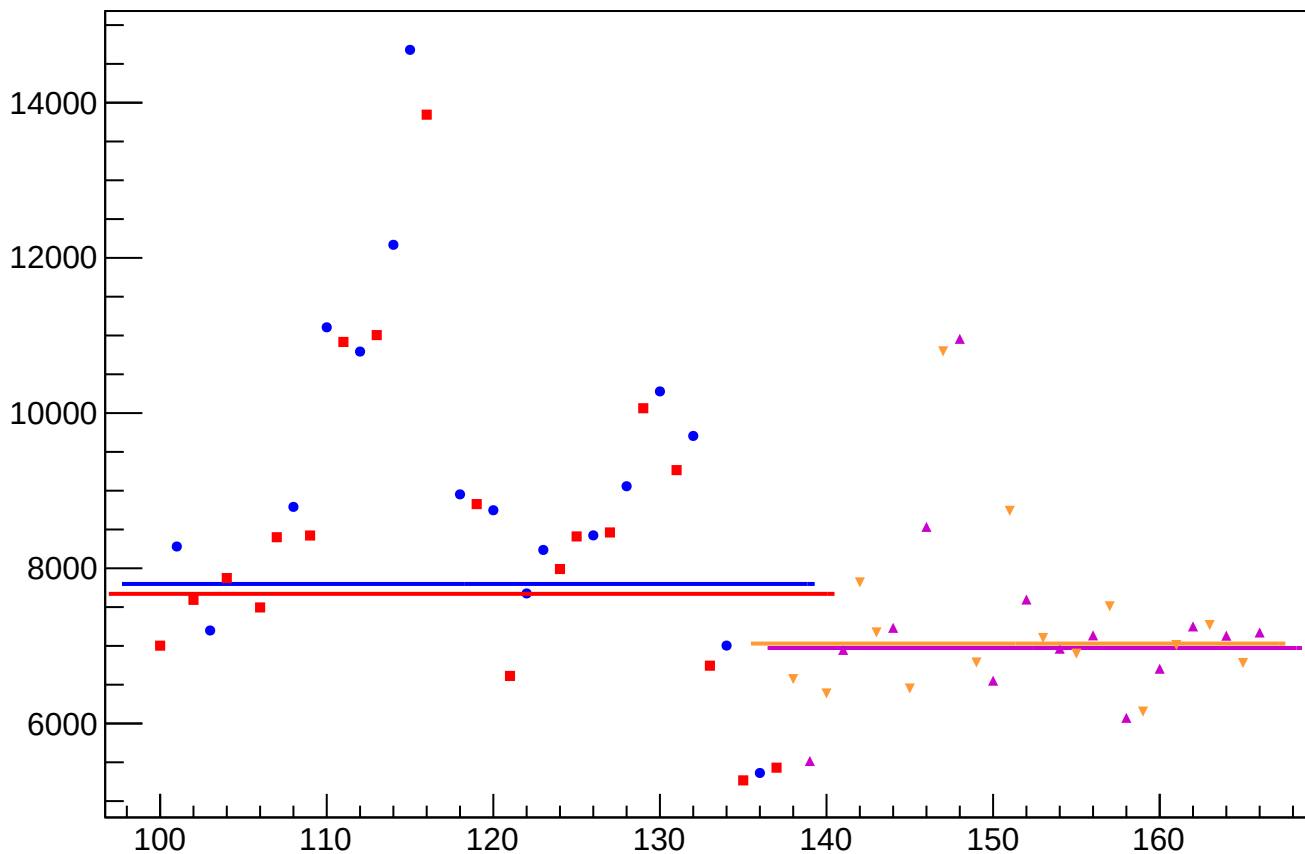
Left In: 2.828+/-2.147 χ^2/NDF :24.4/13

+ sign 2.340+/-1.757 χ^2/NDF : 30.2/31

All: 3.021+/-1.236 χ^2/NDF : 79.7/64

- sign 3.687+/-1.738 χ^2/NDF : 49.2/32

diff_bpm4acY_rms vs Slug



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

Left Out: 7030.009+/-1.510 χ^2/NDF : 333696.2/14

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

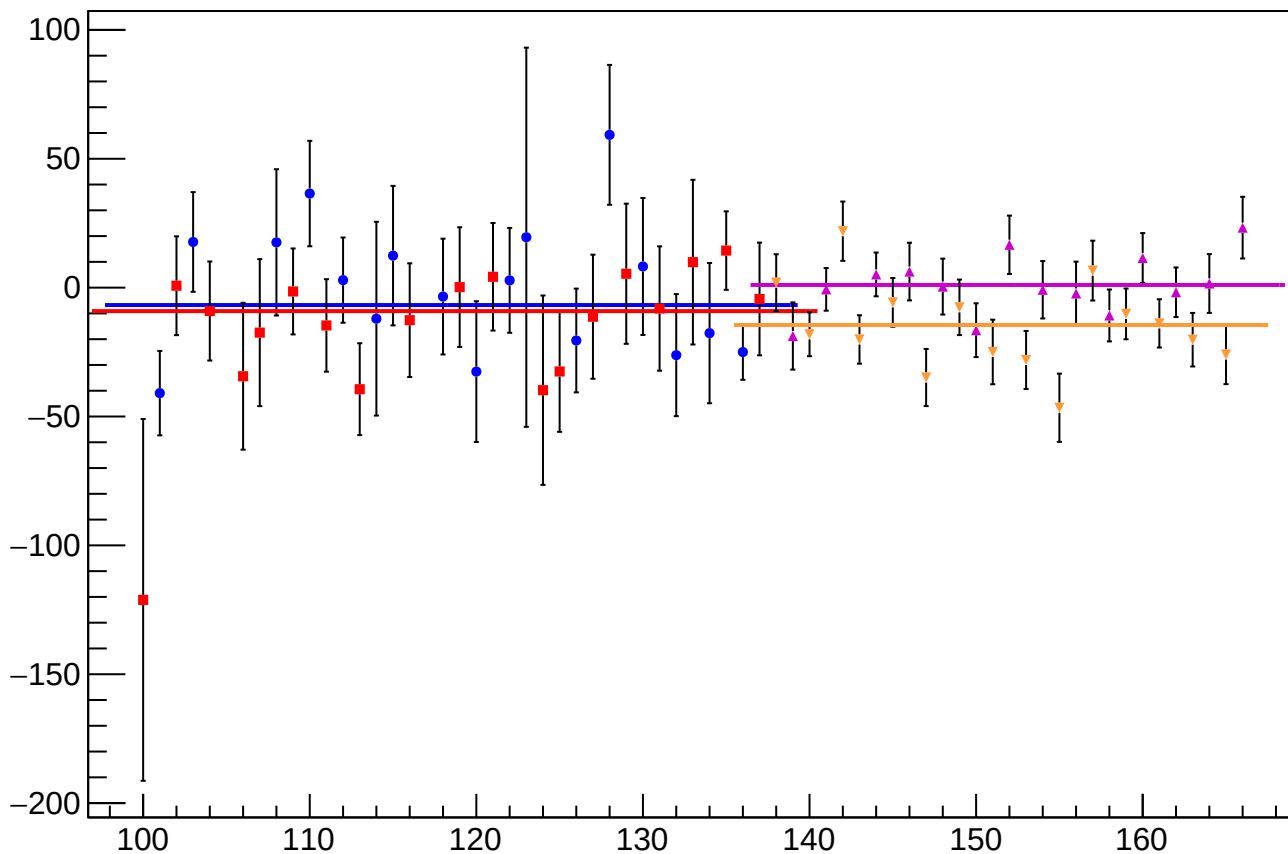
Left In: 6972.756+/-1.518 χ^2/NDF : 415047.6/13

+ sign 7277.822+/-1.243 χ^2/NDF : 1153517.8/31

All: 7245.286+/-0.874 χ^2/NDF : 2315500.8/64

- sign 7213.472+/-1.229 χ^2/NDF : 1160626.9/32

diff_bpm4ecX_mean vs Slug



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

Left Out: -14.495 ± 2.723 $\chi^2/\text{NDF}: 30.2/14$

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

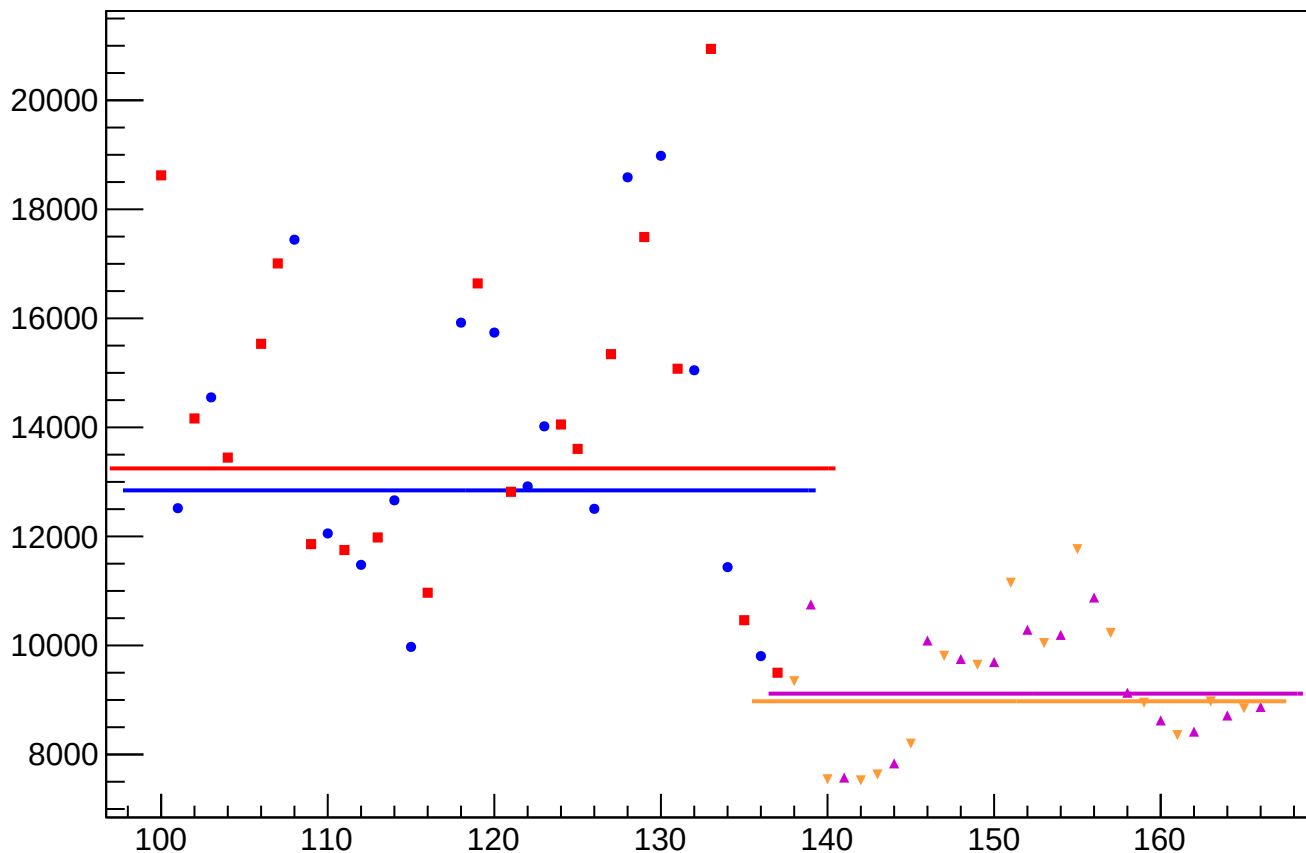
Left In: 1.036 ± 2.790 $\chi^2/\text{NDF}: 13.7/13$

+ sign -12.771 ± 2.401 $\chi^2/\text{NDF}: 55.7/31$

All: -7.149 ± 1.713 $\chi^2/\text{NDF}: 96.0/64$

- sign -1.320 ± 2.444 $\chi^2/\text{NDF}: 29.0/32$

diff_bpm4ecX_rms vs Slug



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

Left Out: 8976.233+/-1.926 χ^2/NDF : 363586.4/14

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

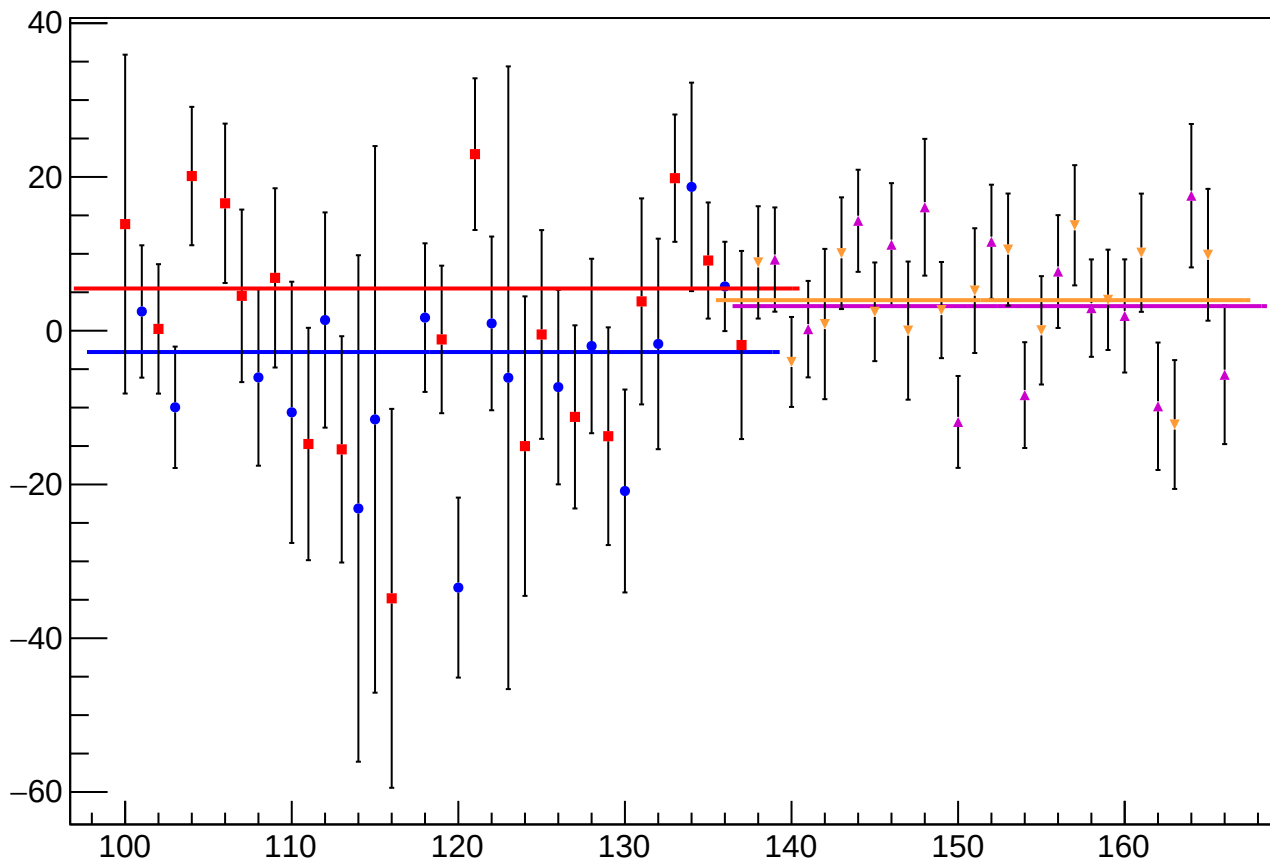
Left In: 9116.109+/-1.973 χ^2/NDF : 274206.0/13

+ sign 9838.395+/-1.697 χ^2/NDF : 1810302.2/31

All: 9955.089+/-1.211 χ^2/NDF : 3598735.8/64

- sign 10076.068+/-1.728 χ^2/NDF : 1778807.8/32

diff_bpm4ecY_mean vs Slug



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

Left Out: 3.973 ± 1.895 χ^2/NDF : 11.0/14

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

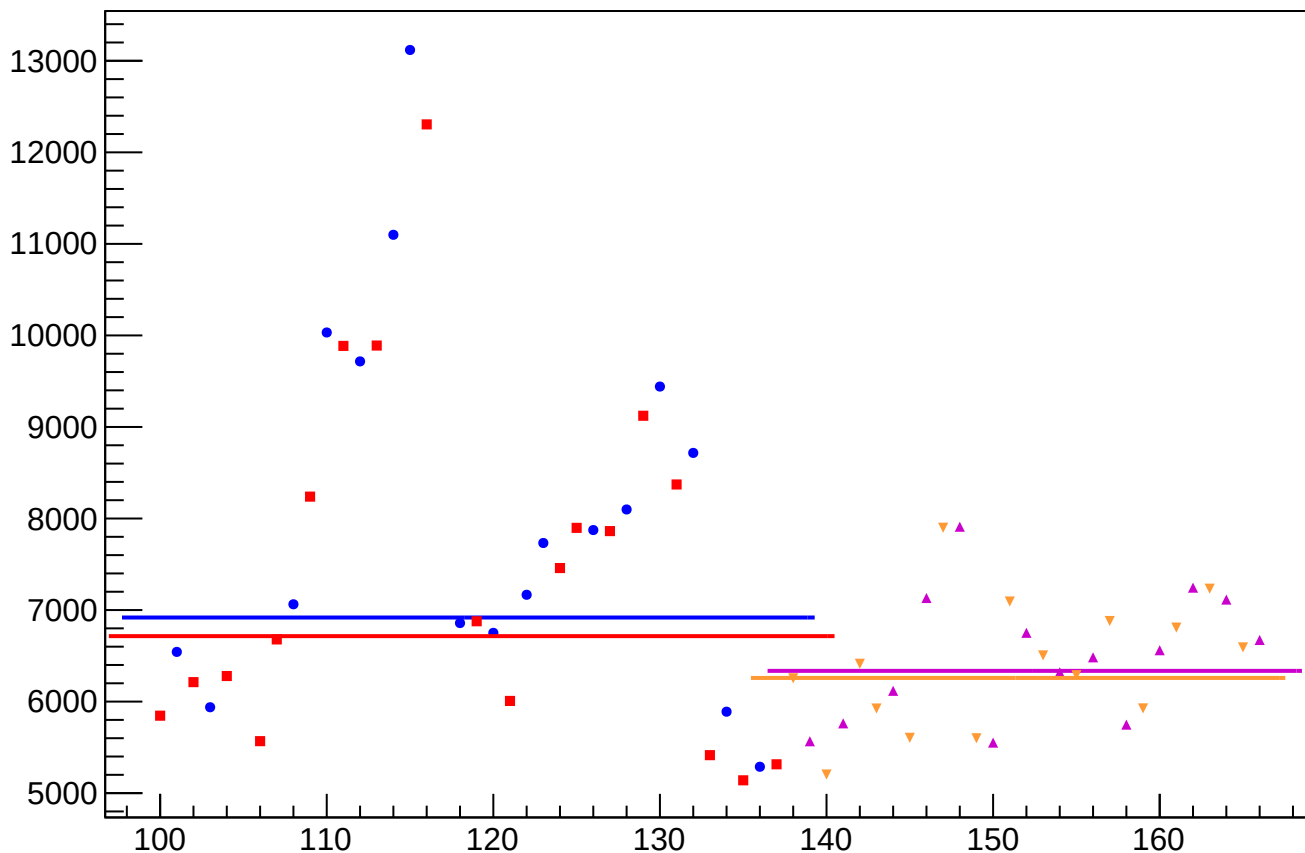
Left In: 3.197 ± 1.940 χ^2/NDF : 23.6/13

+ sign 1.781 ± 1.557 χ^2/NDF : 31.0/31

All: 2.905 ± 1.099 χ^2/NDF : 79.3/64

- sign 4.022 ± 1.552 χ^2/NDF : 47.3/32

diff_bpm4ecY_rms vs Slug



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

Left Out: 6258.416+/-1.340 χ^2/NDF : 261151.7/14

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

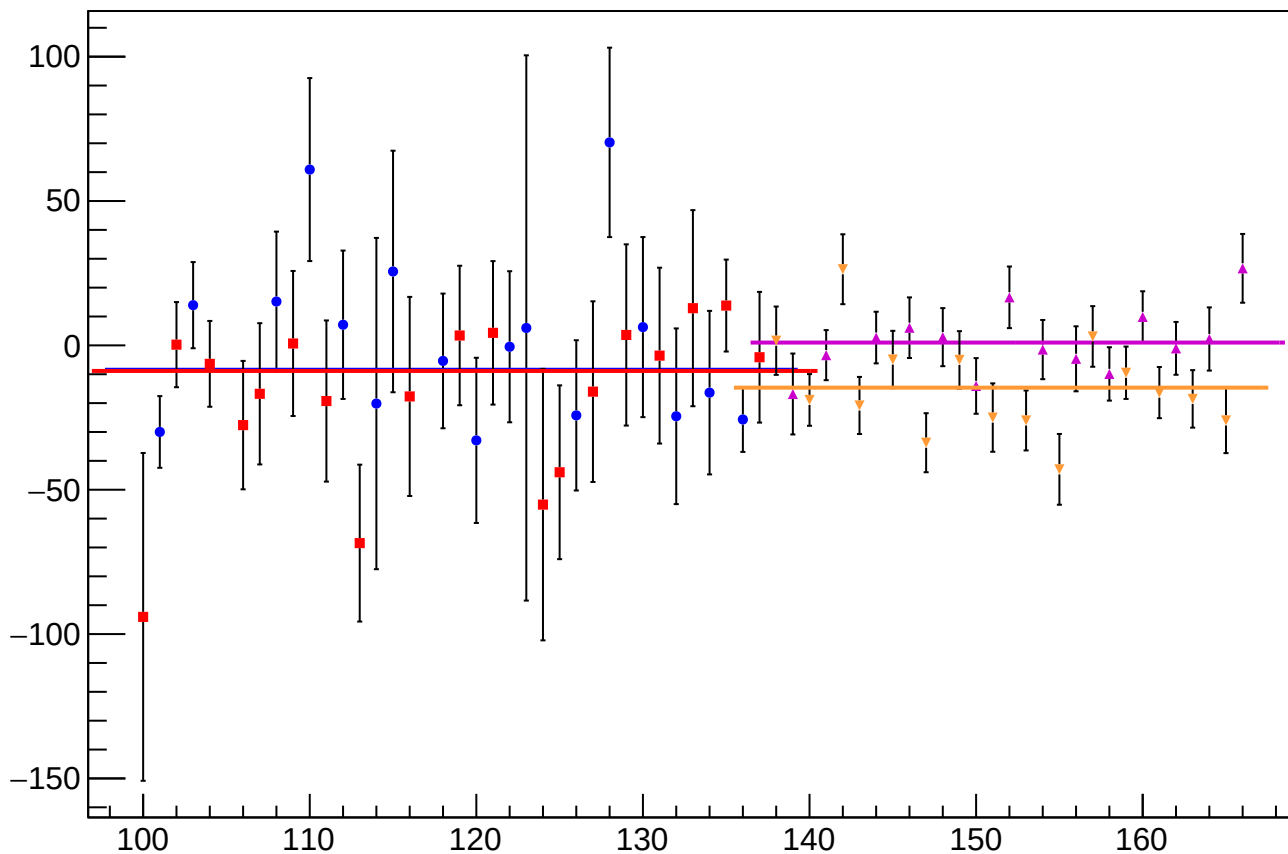
Left In: 6335.674+/-1.372 χ^2/NDF : 228368.5/13

+ sign 6472.926+/-1.101 χ^2/NDF : 927015.1/31

All: 6472.570+/-0.777 χ^2/NDF : 1838910.3/64

- sign 6472.216+/-1.098 χ^2/NDF : 911895.1/32

diff_bpm1X_mean vs Slug



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

Left Out: -14.643 ± 2.659 χ^2/NDF : 31.0/14

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

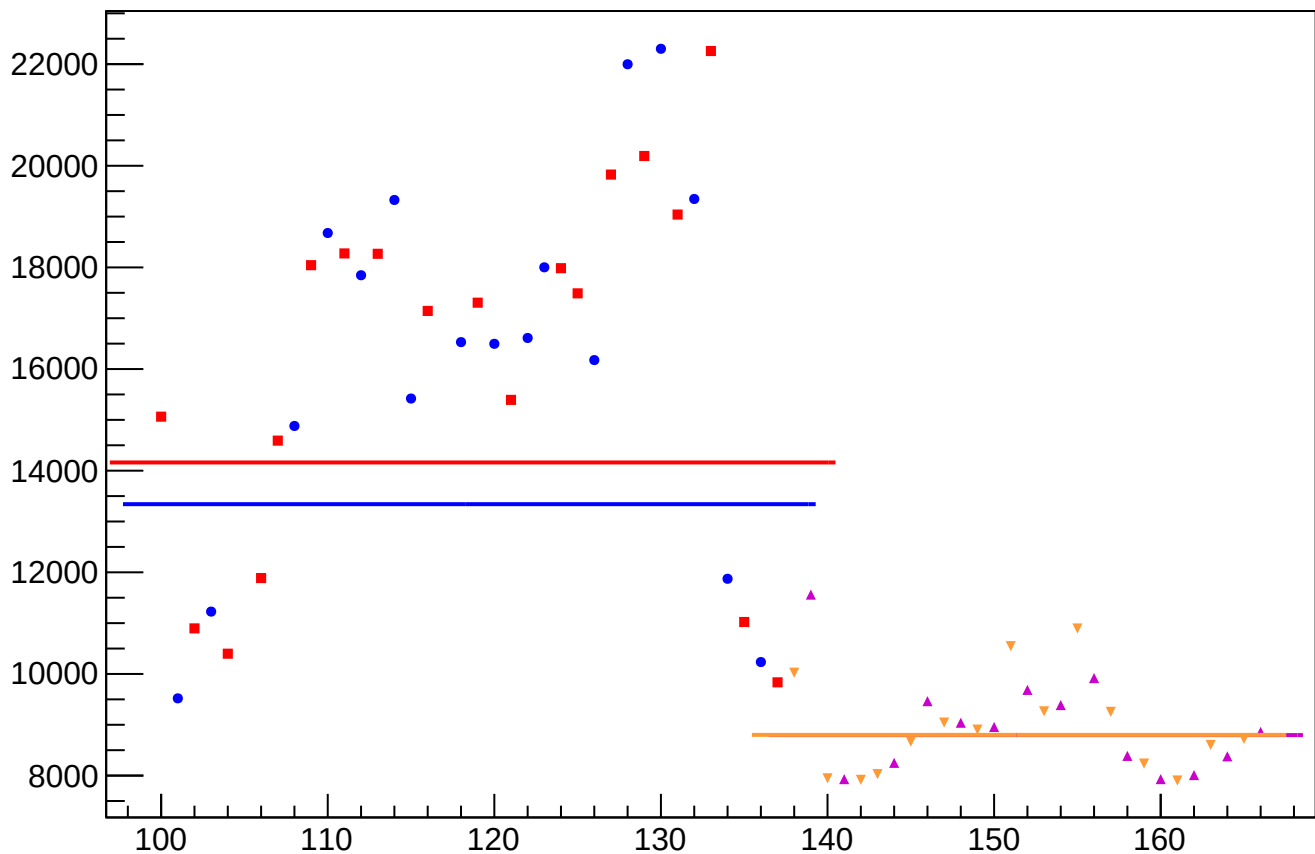
Left In: 0.972 ± 2.687 χ^2/NDF : 14.2/13

+ sign -13.431 ± 2.385 χ^2/NDF : 54.1/31

All: -7.252 ± 1.697 χ^2/NDF : 98.6/64

- sign -0.917 ± 2.415 χ^2/NDF : 31.0/32

diff_bpm1X_rms vs Slug



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

Left Out: 8801.290+/-1.880 χ^2/NDF : 202857.0/14

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

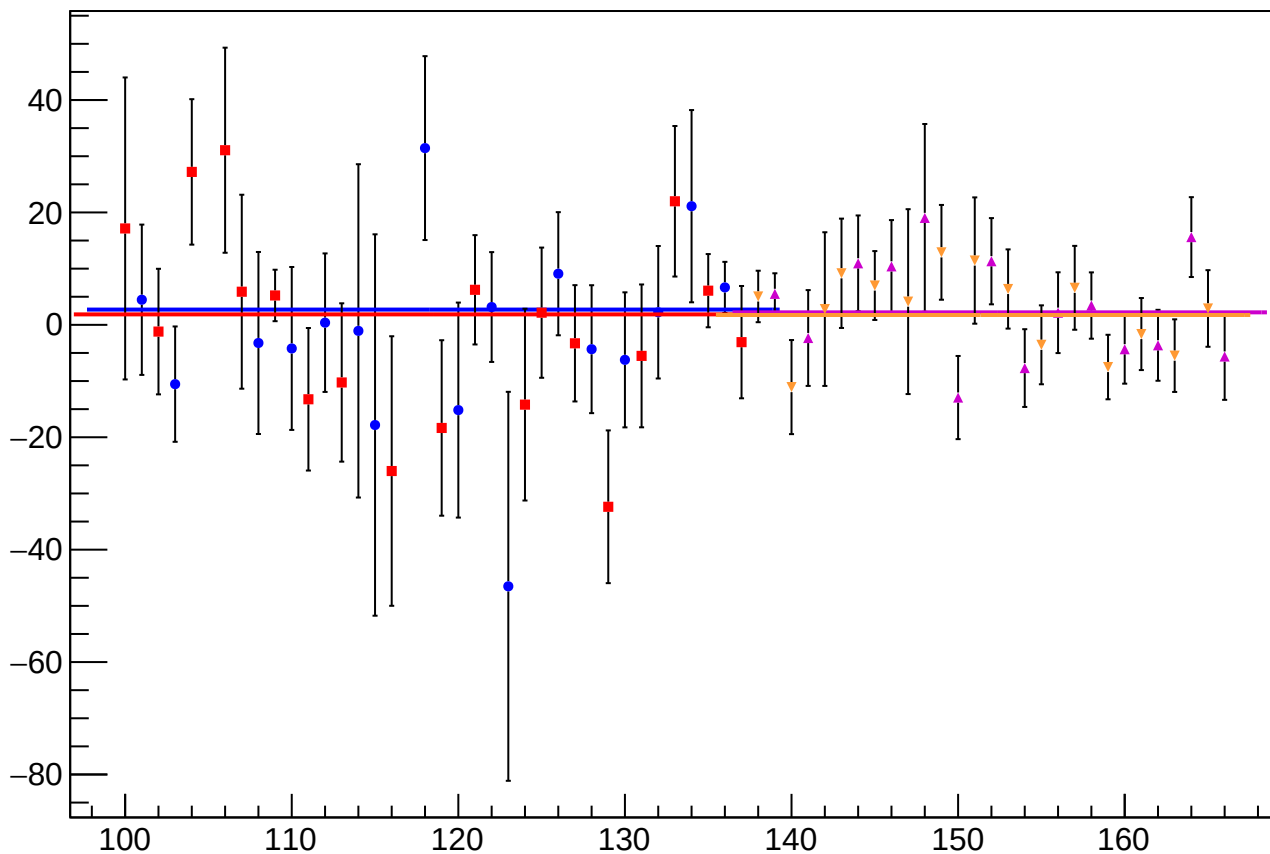
Left In: 8797.085+/-1.900 χ^2/NDF : 196176.7/13

+ sign 9689.289+/-1.687 χ^2/NDF : 2387400.7/31

All: 9757.890+/-1.200 χ^2/NDF : 5051154.4/64

- sign 9828.213+/-1.708 χ^2/NDF : 2660403.2/32

diff_bpm1Y_mean vs Slug



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

Left Out: 1.754 ± 1.861 χ^2/NDF : 12.3/14

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

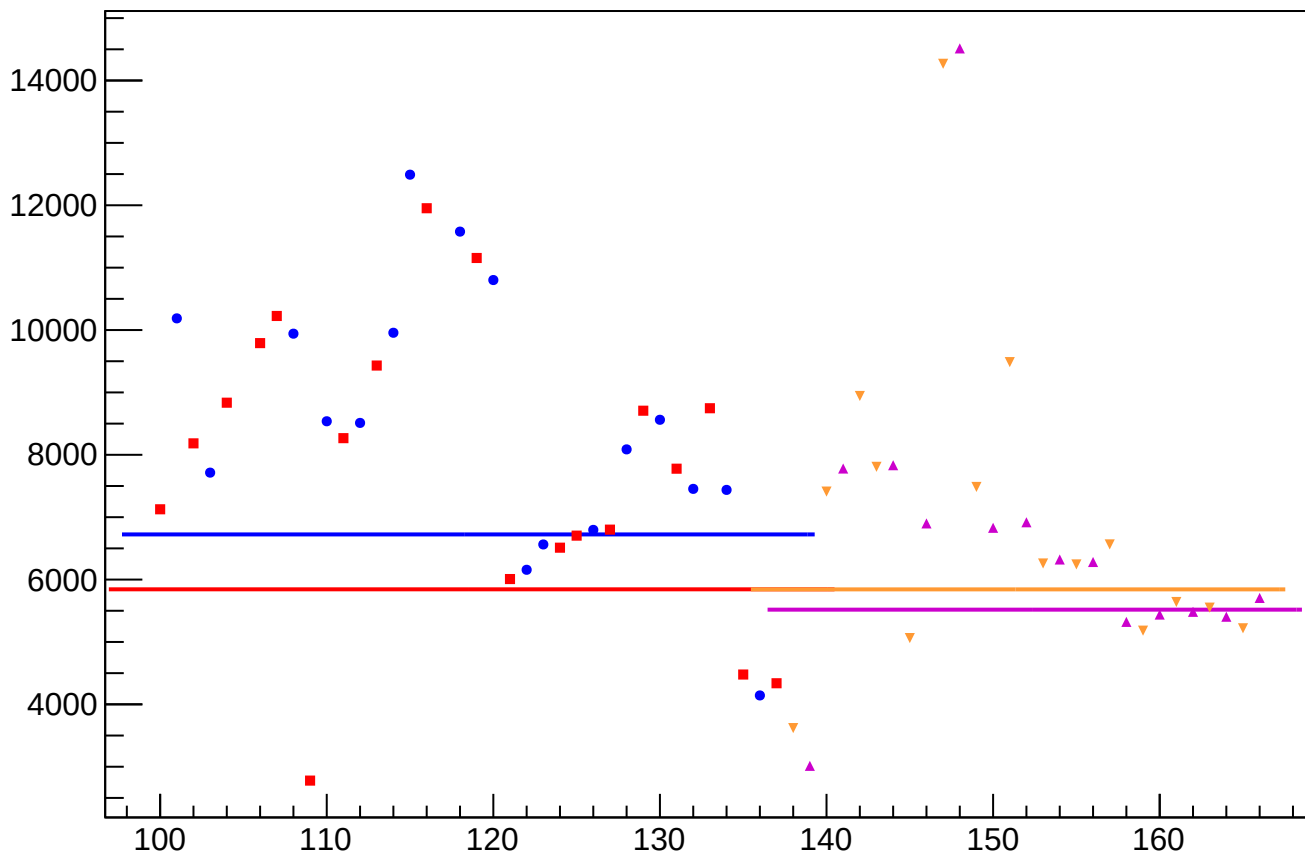
Left In: 2.224 ± 1.786 χ^2/NDF : 18.4/13

+ sign 2.056 ± 1.542 χ^2/NDF : 24.0/31

All: 2.078 ± 1.053 χ^2/NDF : 66.0/64

- sign 2.097 ± 1.441 χ^2/NDF : 42.0/32

diff_bpm1Y_rms vs Slug



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

Left Out: 5842.882+/-1.316 χ^2/NDF : 1650884.6/14

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

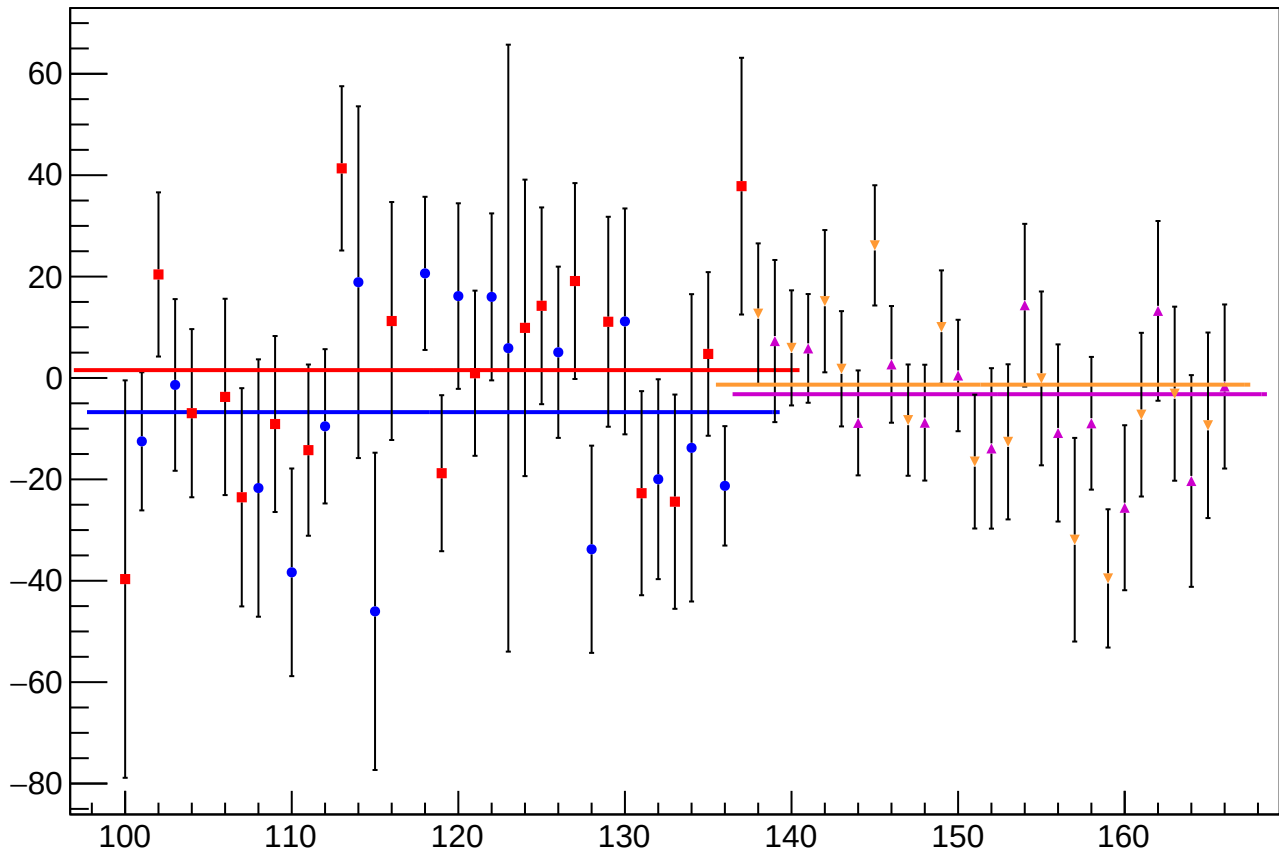
Left In: 5517.824+/-1.263 χ^2/NDF : 2046662.4/13

+ sign 6119.302+/-1.090 χ^2/NDF : 3183605.0/31

All: 5859.091+/-0.744 χ^2/NDF : 7637539.1/64

- sign 5631.661+/-1.019 χ^2/NDF : 4347142.9/32

diff_bpm11X_mean vs Slug



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

Left Out: -1.317 ± 3.521 χ^2/NDF : 22.1/14

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

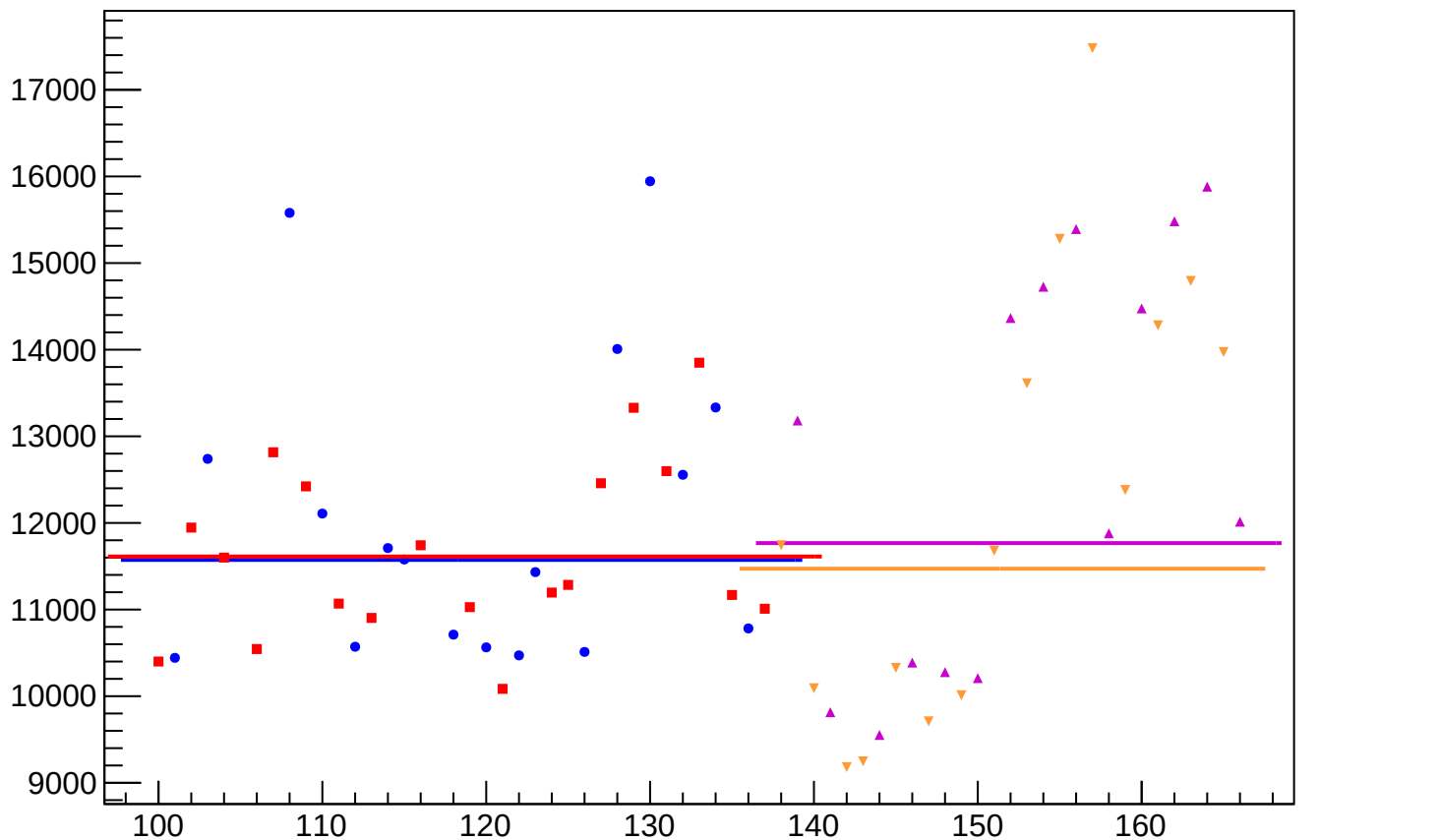
Left In: -3.200 ± 3.640 χ^2/NDF : 7.5/13

+ sign -3.368 ± 2.776 χ^2/NDF : 39.8/31

All: -2.320 ± 1.970 χ^2/NDF : 68.3/64

- sign -1.256 ± 2.797 χ^2/NDF : 28.2/32

diff_bpm11X_rms vs Slug



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

Left Out: 11471.795+/-2.490 χ^2/NDF : 763431.9/14

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

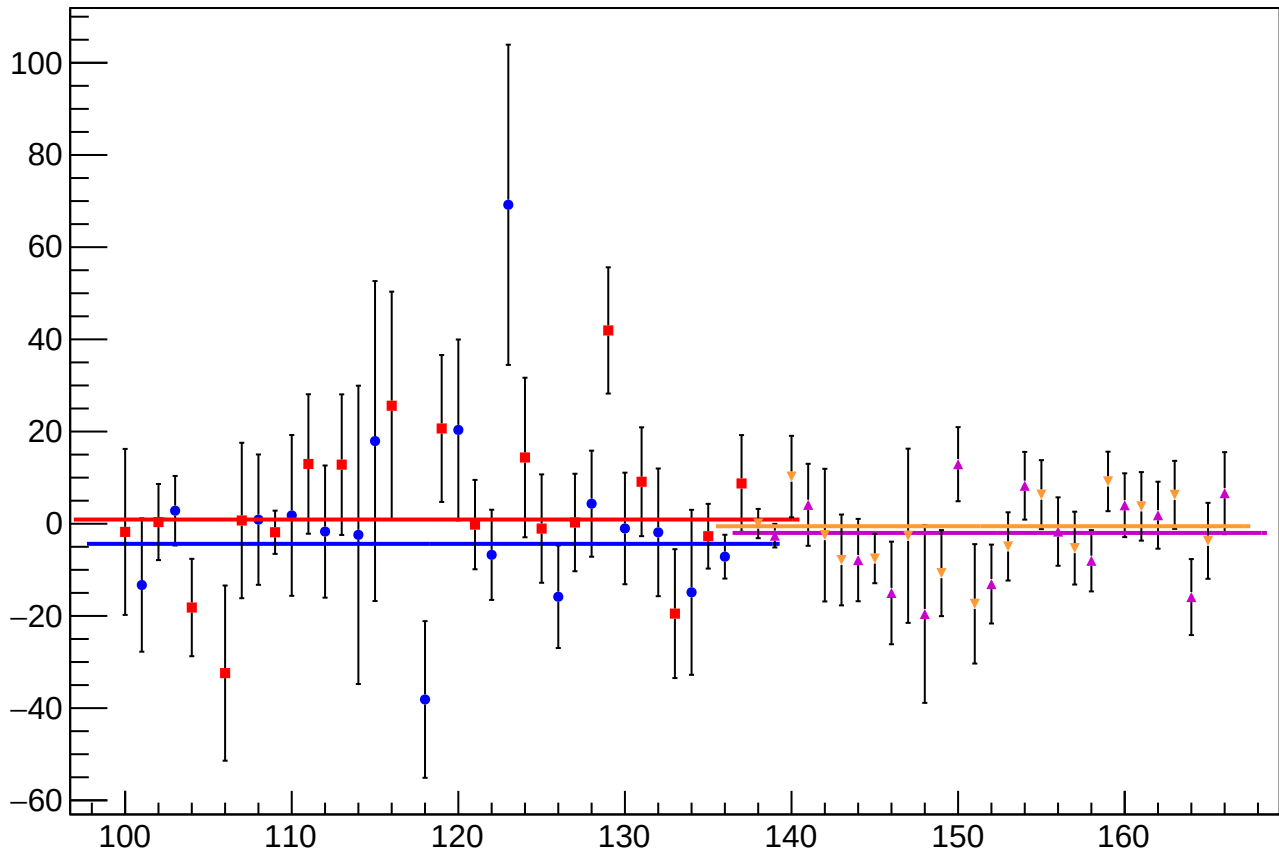
Left In: 11767.198+/-2.574 χ^2/NDF : 706002.7/13

+ sign 11510.274+/-1.963 χ^2/NDF : 1002797.9/31

All: 11606.277+/-1.393 χ^2/NDF : 1809413.9/6

- sign 11703.763+/-1.978 χ^2/NDF : 801795.0/32

diff_bpm11Y_mean vs Slug



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

Left Out: -0.541 ± 1.798 χ^2/NDF : 11.8/14

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

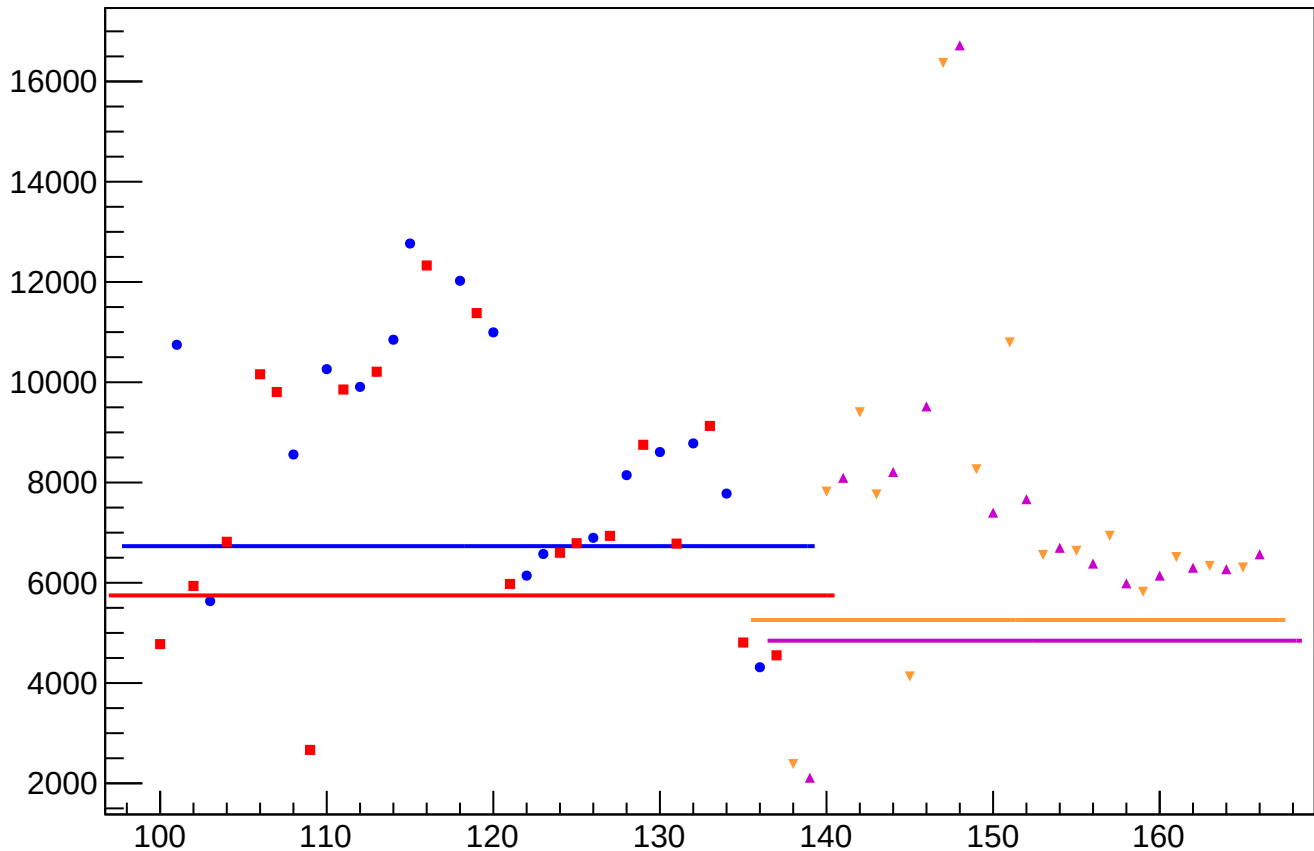
Left In: -1.991 ± 1.705 χ^2/NDF : 15.9/13

+ sign -1.669 ± 1.509 χ^2/NDF : 27.7/31

All: -1.325 ± 1.024 χ^2/NDF : 68.2/64

- sign -1.030 ± 1.395 χ^2/NDF : 40.4/32

diff_bpm11Y_rms vs Slug



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

Left Out: 5257.950+/-1.271 χ^2/NDF : 3817832.6/14

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

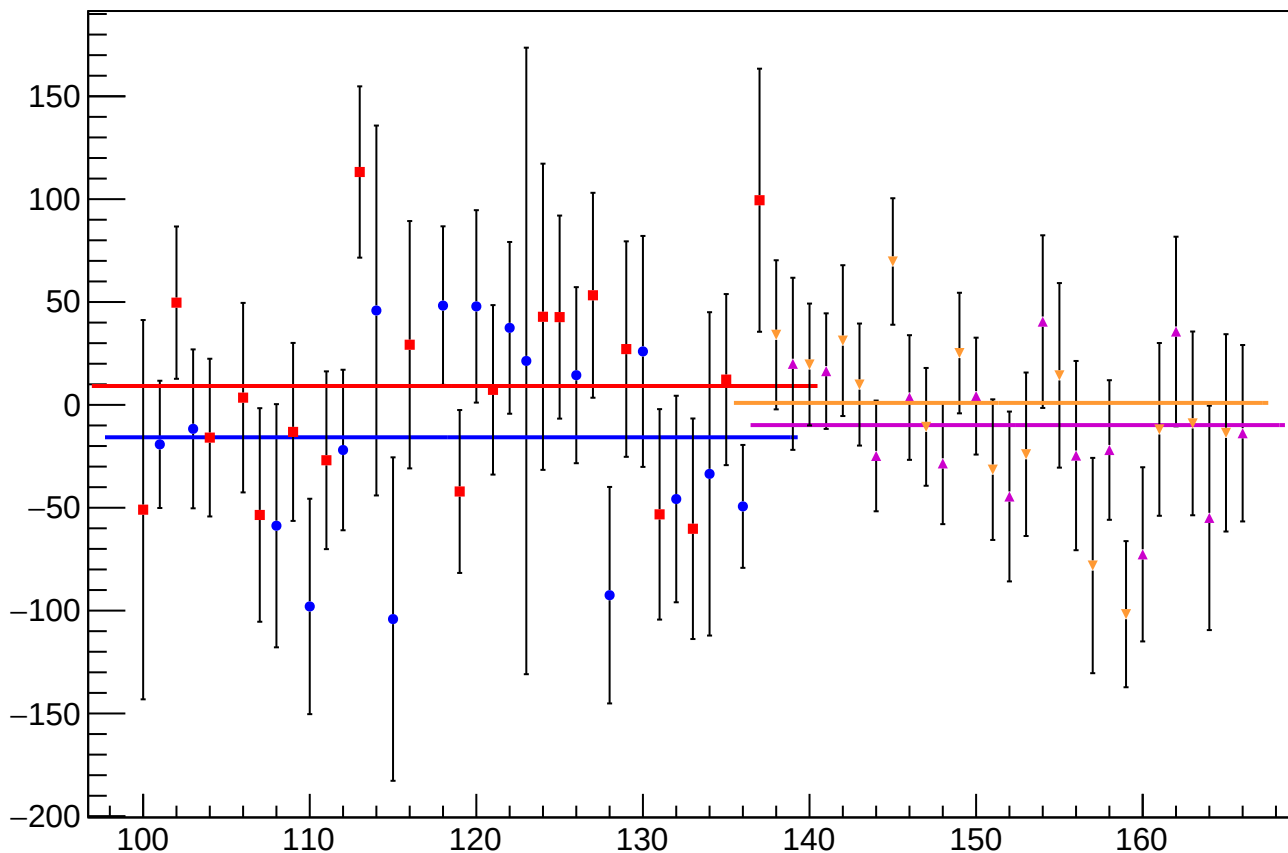
Left In: 4844.968+/-1.206 χ^2/NDF : 4918029.6/13

+ sign 5693.009+/-1.067 χ^2/NDF : 5659644.8/31

All: 5396.635+/-0.724 χ^2/NDF : 13068350.1/6

- sign 5143.366+/-0.986 χ^2/NDF : 7265612.9/32

diff_bpm12X_mean vs Slug



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

Left Out: 0.964 ± 9.178 χ^2/NDF : 20.1/14

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

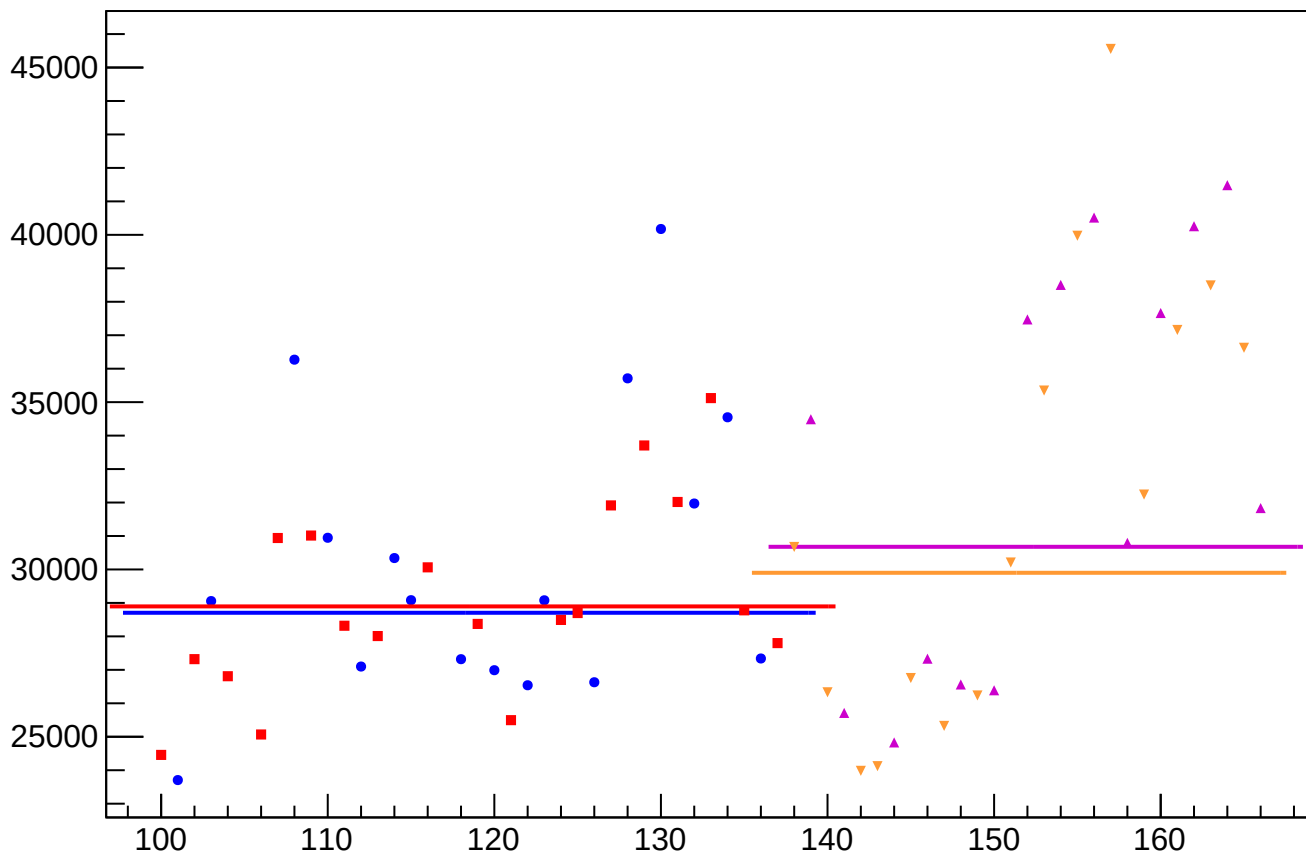
Left In: -9.825 ± 9.492 χ^2/NDF : 8.8/13

+ sign -5.745 ± 7.101 χ^2/NDF : 37.4/31

All: -3.698 ± 5.040 χ^2/NDF : 67.3/64

- sign -1.620 ± 7.155 χ^2/NDF : 29.8/32

diff_bpm12X_rms vs Slug



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

Left Out: 29900.413+/-6.490 χ^2/NDF : 760669.7/14

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

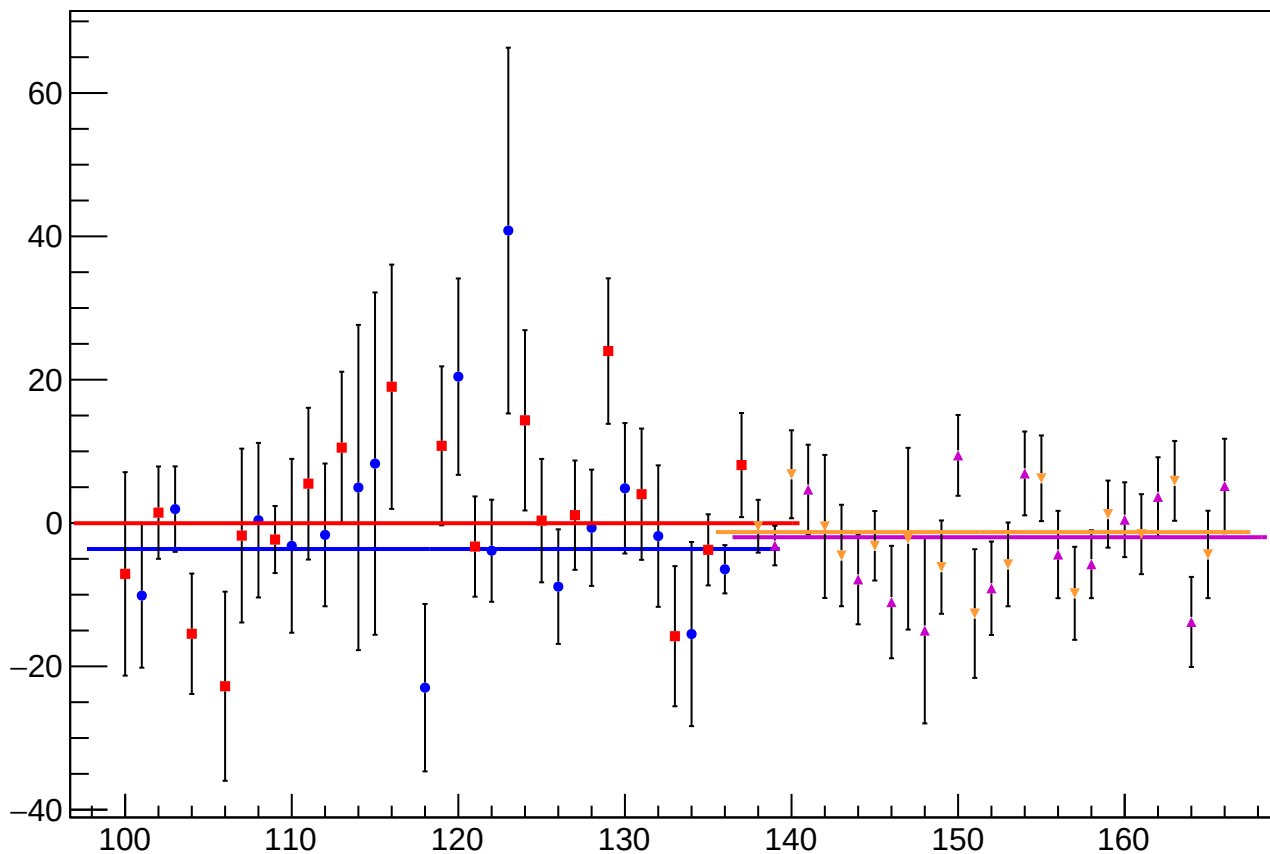
Left In: 30677.048+/-6.712 χ^2/NDF : 718436.4/13

+ sign 29420.801+/-5.021 χ^2/NDF : 1025269.5/31

All: 29662.486+/-3.564 χ^2/NDF : 1890008.4/6

- sign 29907.886+/-5.059 χ^2/NDF : 860069.1/32

diff_bpm12Y_mean vs Slug



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

Left Out: -1.262 ± 1.520 χ^2/NDF : 10.4/14

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

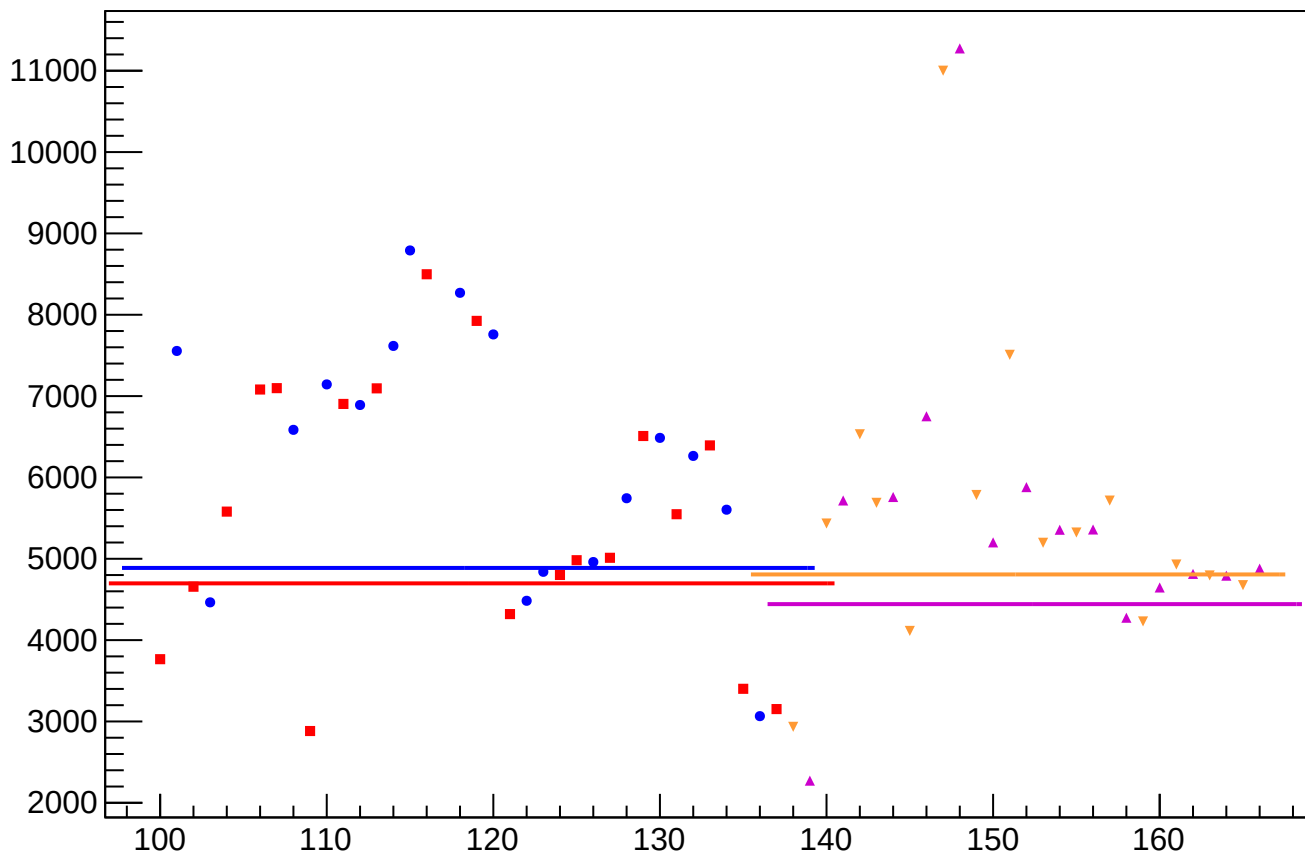
Left In: -1.981 ± 1.447 χ^2/NDF : 18.9/13

+ sign -2.124 ± 1.211 χ^2/NDF : 25.0/31

All: -1.669 ± 0.834 χ^2/NDF : 67.0/64

- sign -1.259 ± 1.149 χ^2/NDF : 41.7/32

diff_bpm12Y_rms vs Slug



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

Left Out: 4807.517+/-1.075 χ^2/NDF : 1467668.5/14

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

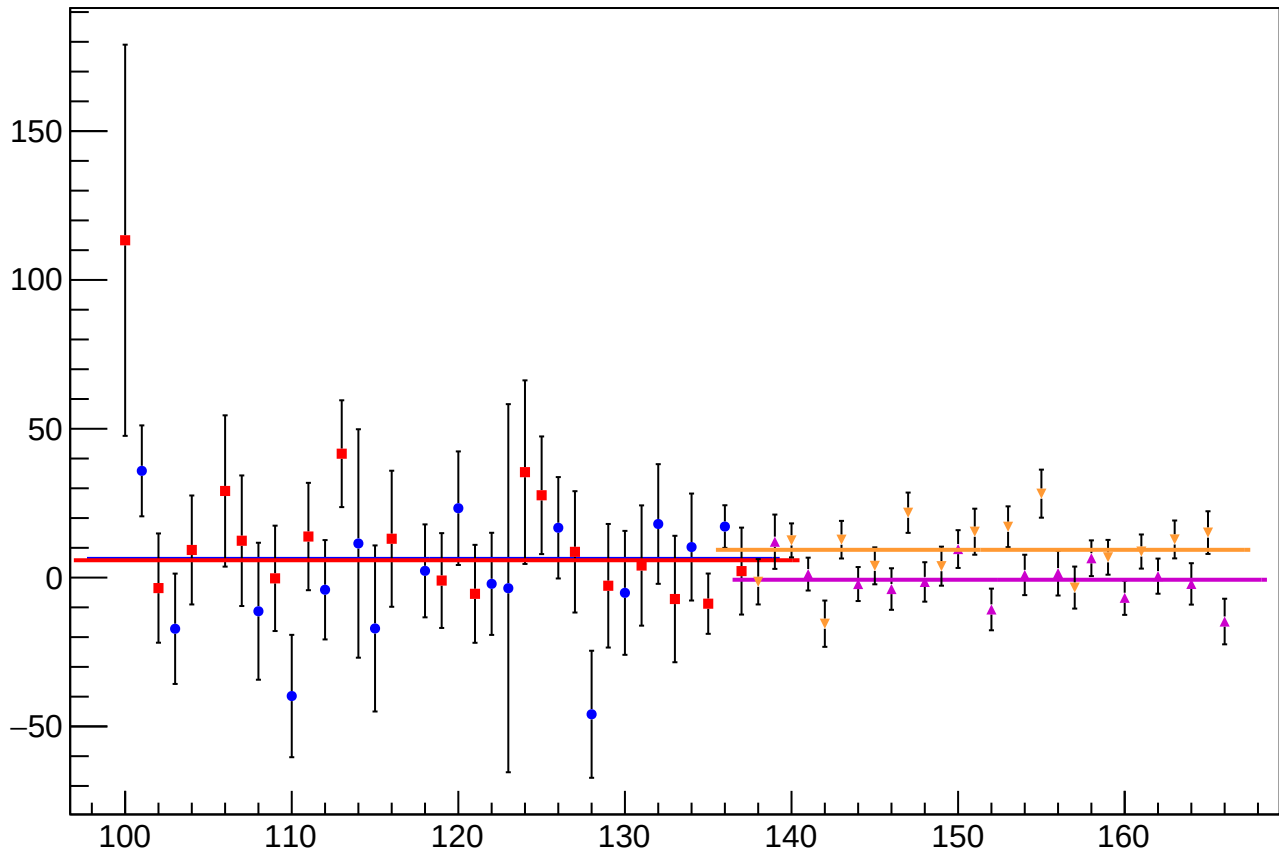
Left In: 4442.535+/-1.023 χ^2/NDF : 2393548.3/13

+ sign 4836.695+/-0.857 χ^2/NDF : 2878985.8/31

All: 4678.791+/-0.589 χ^2/NDF : 6673172.0/64

- sign 4536.816+/-0.812 χ^2/NDF : 3729661.2/32

diff_bpm16X_mean vs Slug



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

Left Out: 9.331 ± 1.721 χ^2/NDF : 29.4/14

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

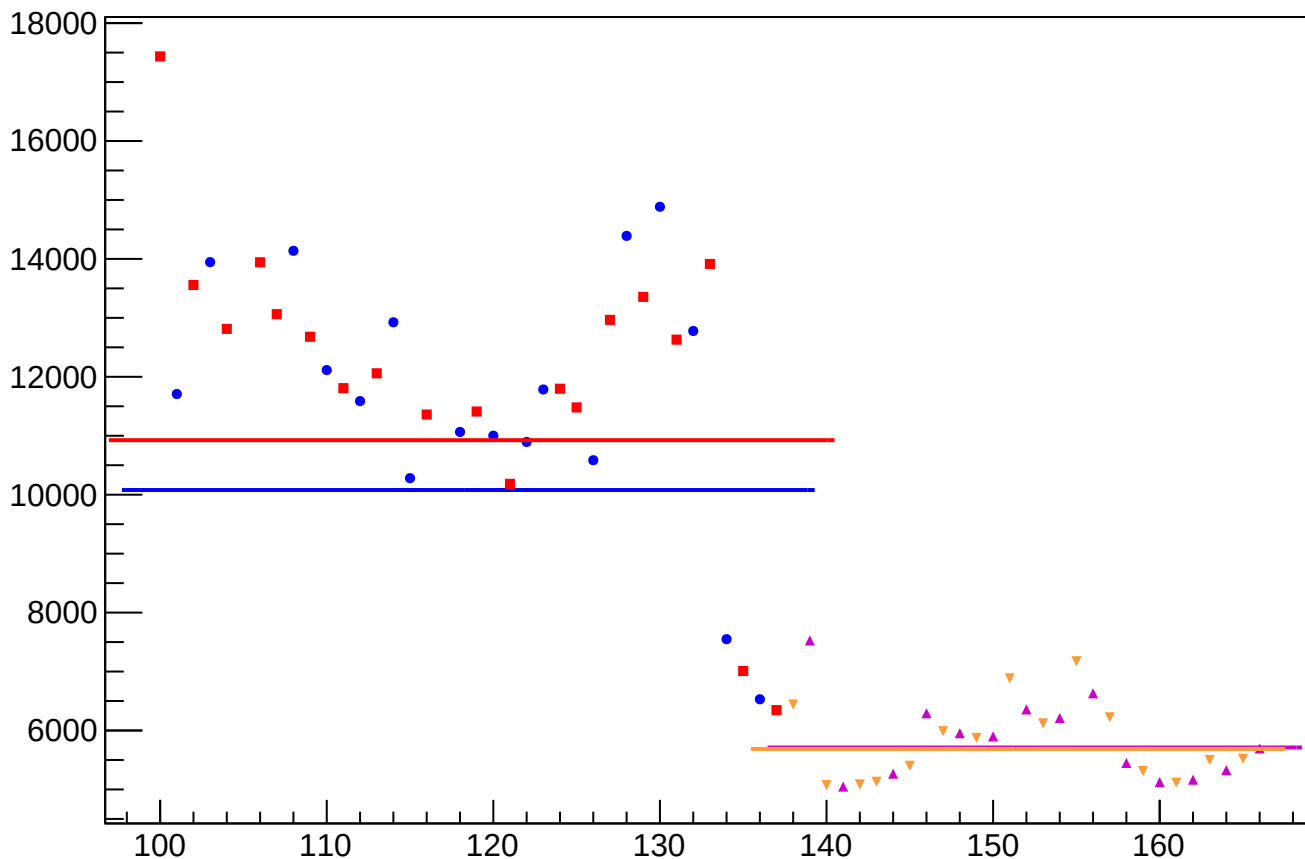
Left In: -0.724 ± 1.746 χ^2/NDF : 13.2/13

+ sign 8.868 ± 1.585 χ^2/NDF : 52.4/31

All: 4.629 ± 1.131 χ^2/NDF : 96.0/64

- sign 0.235 ± 1.614 χ^2/NDF : 29.0/32

diff_bpm16X_rms vs Slug



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

Left Out: 5687.751 $\pm$ 1.217 χ^2 /NDF:246535.1/14

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

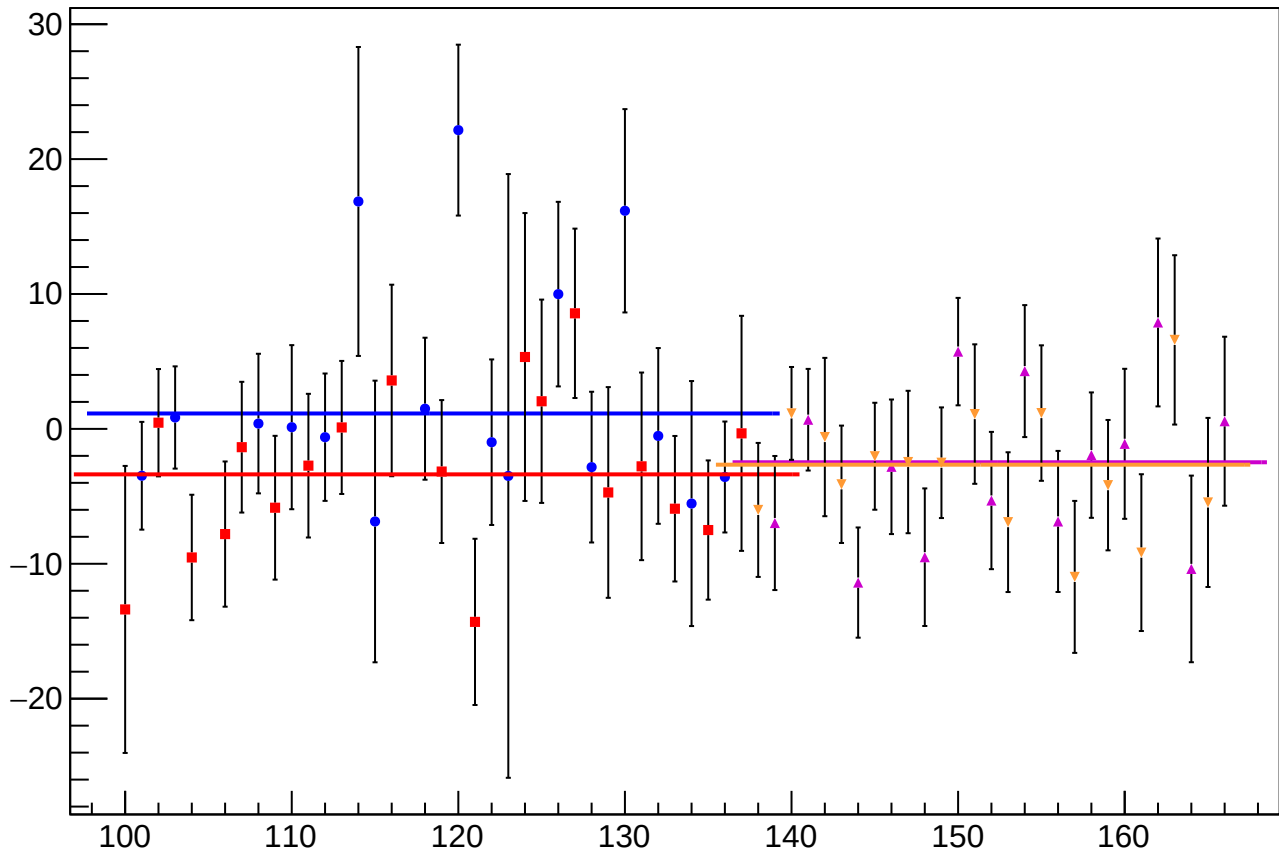
Left In: 5711.555 $\pm$ 1.235 χ^2 /NDF:244113.9/13

+ sign 6355.449 $\pm$ 1.121 χ^2 /NDF: 3221552.2/31

All: 6413.669 $\pm$ 0.799 χ^2 /NDF: 6846302.4/64

- sign 6474.031 $\pm$ 1.141 χ^2 /NDF: 3619251.7/32

diff_bpm16Y_mean vs Slug



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

Left Out: -2.654 ± 1.255 χ^2/NDF : 9.6/14

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

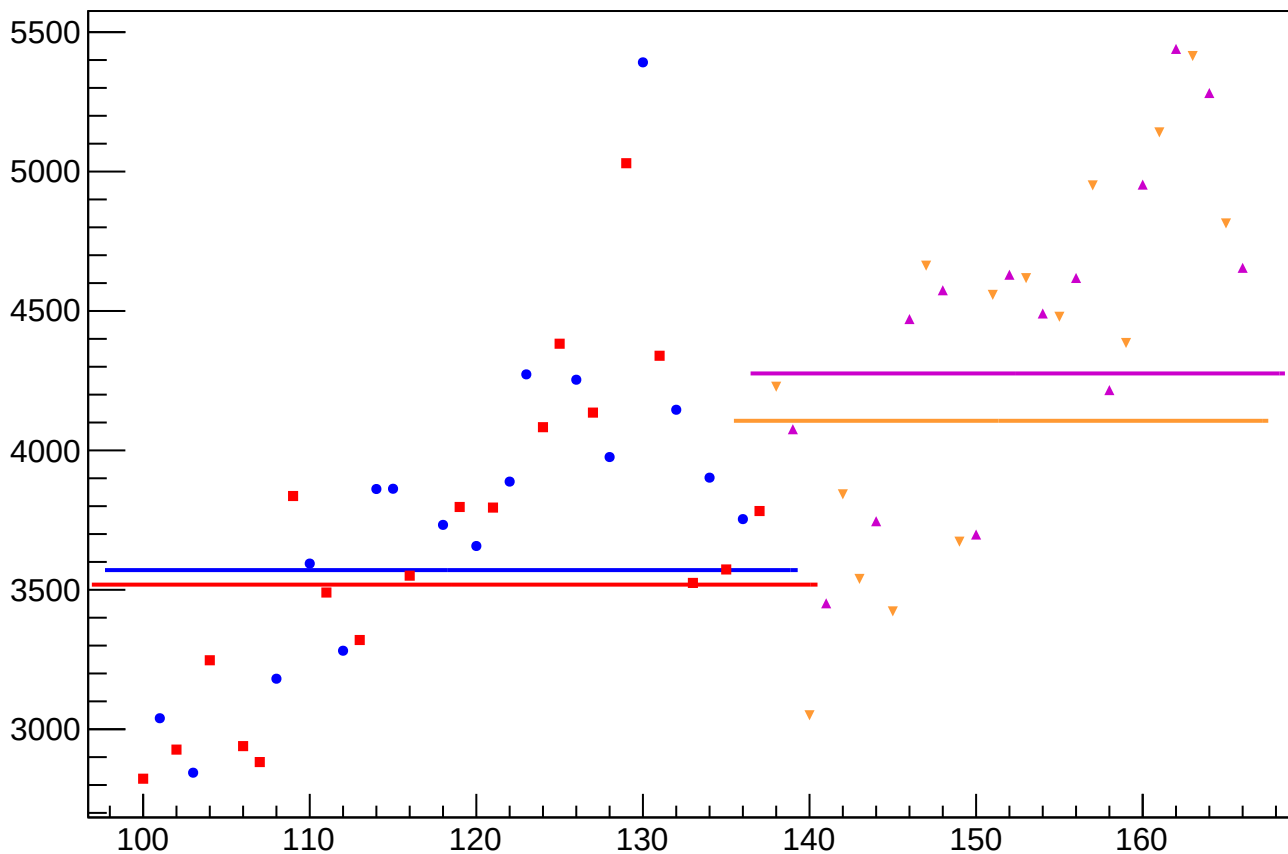
Left In: -2.475 ± 1.313 χ^2/NDF : 19.8/13

+ sign -0.956 ± 0.933 χ^2/NDF : 37.0/31

All: -1.934 ± 0.661 χ^2/NDF : 74.2/64

- sign -2.916 ± 0.935 χ^2/NDF : 35.1/32

diff_bpm16Y_rms vs Slug



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

Left Out: 4106.167+/-0.887 χ^2/NDF : 604661.4/14

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

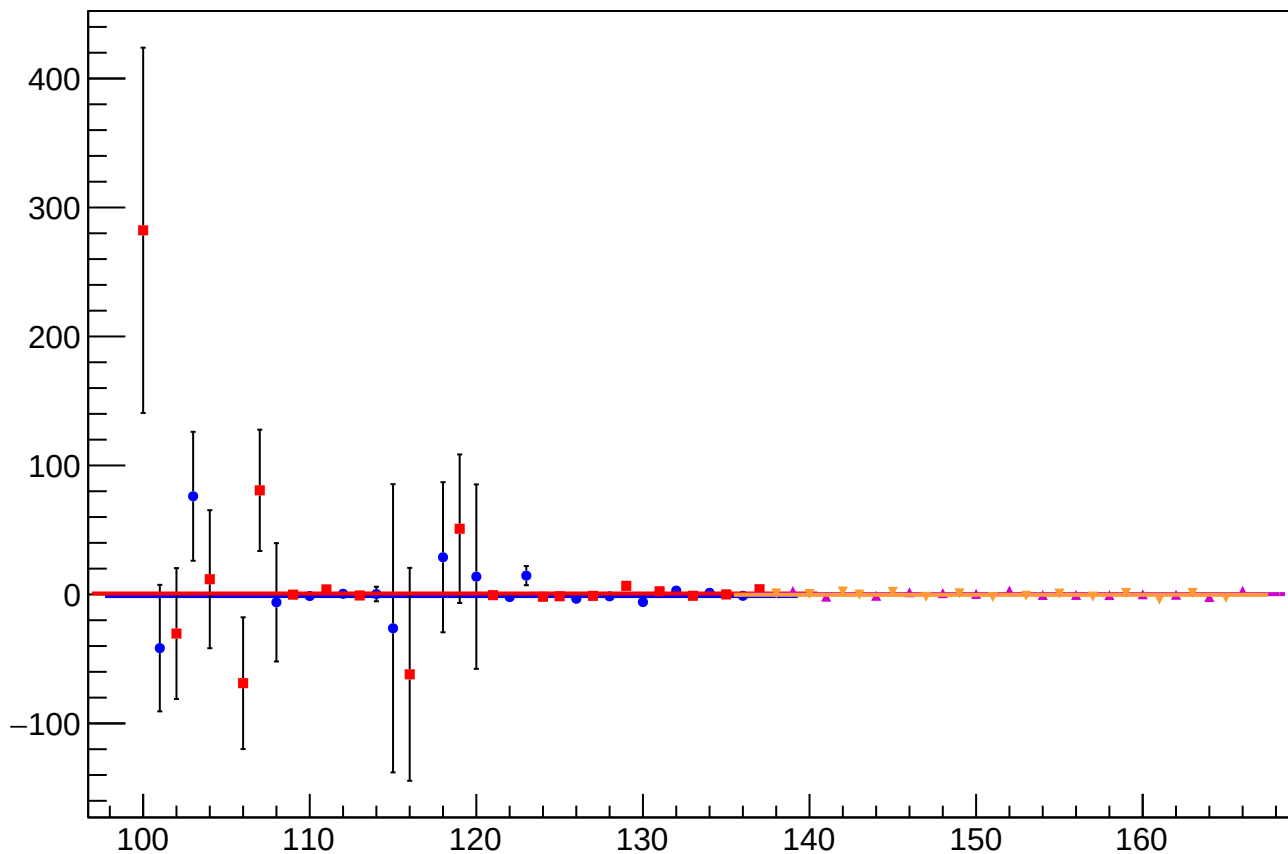
Left In: 4275.984+/-0.928 χ^2/NDF : 356328.9/13

+ sign 3866.672+/-0.660 χ^2/NDF : 1077054.6/31

All: 3884.874+/-0.467 χ^2/NDF : 2055871.9/64

- sign 3903.165+/-0.661 χ^2/NDF : 977291.5/32

diff_bpm1p02bX_mean vs Slug



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

Left Out: -0.277 ± 0.318 χ^2/NDF : 29.8/14

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

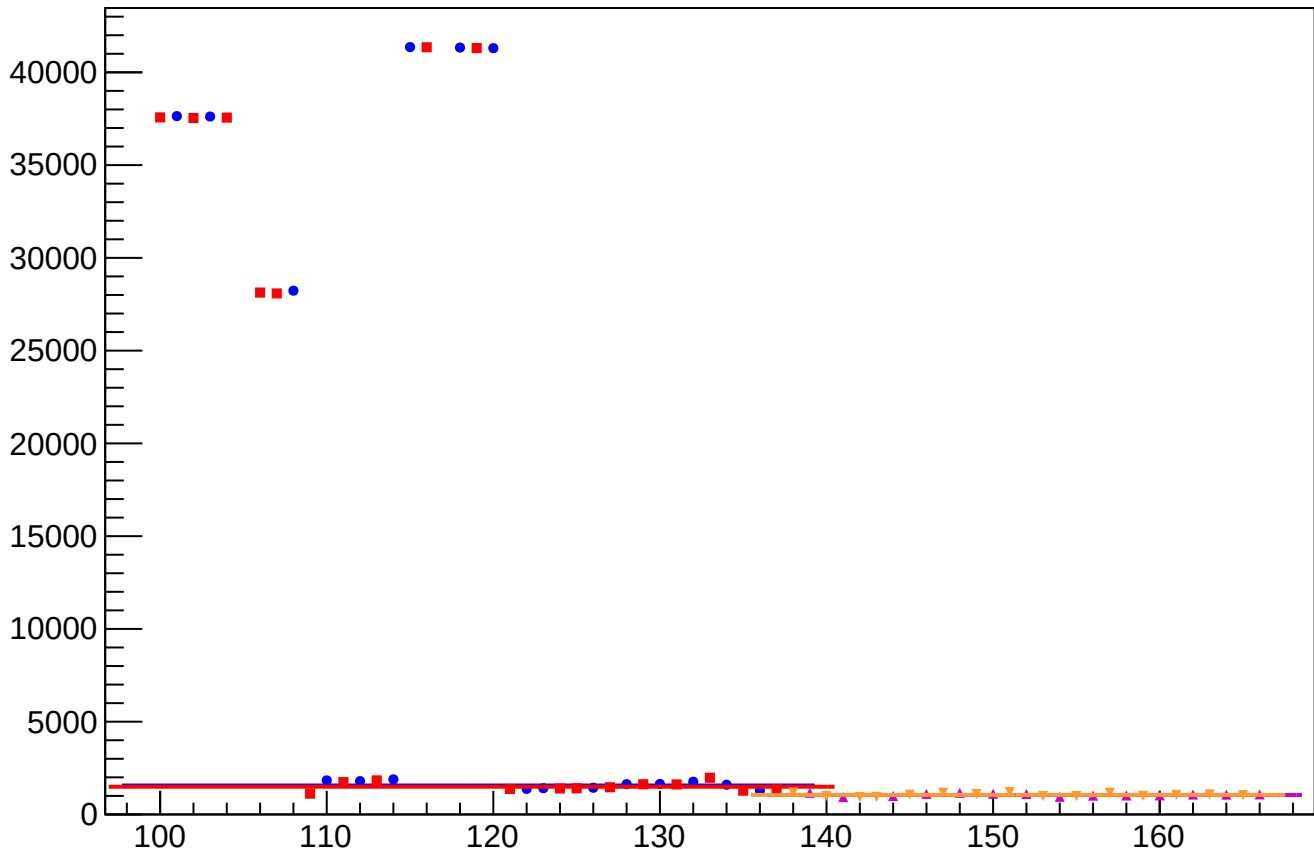
Left In: 0.236 ± 0.320 χ^2/NDF : 21.9/13

+ sign -0.427 ± 0.292 χ^2/NDF : 47.5/31

All: -0.052 ± 0.206 χ^2/NDF : 95.2/64

- sign 0.320 ± 0.291 χ^2/NDF : 44.4/32

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1054.294 $\pm$ 0.225 χ^2 /NDF: 129619.9/14

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

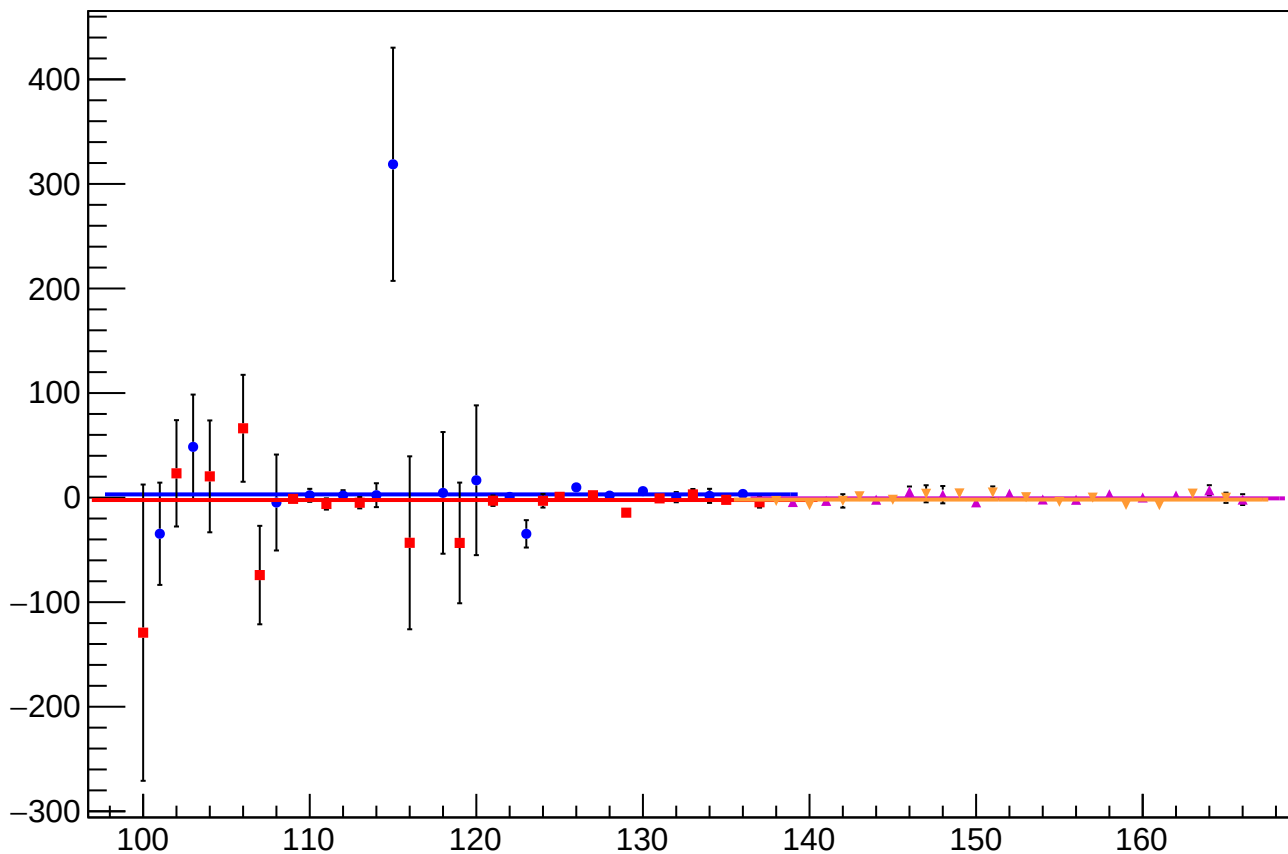
Left In: 1048.273 $\pm$ 0.226 χ^2 /NDF: 98493.8/13

+ sign 1131.445 $\pm$ 0.207 χ^2 /NDF: 5654901.1/31

All: 1127.411 $\pm$ 0.146 χ^2 /NDF: 11303901.6/6

- sign 1123.404 $\pm$ 0.206 χ^2 /NDF: 5648241.7/32

diff_bpm1p02bY_mean vs Slug



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

Left Out: -1.874+/-1.038 χ^2/NDF : 11.9/14

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

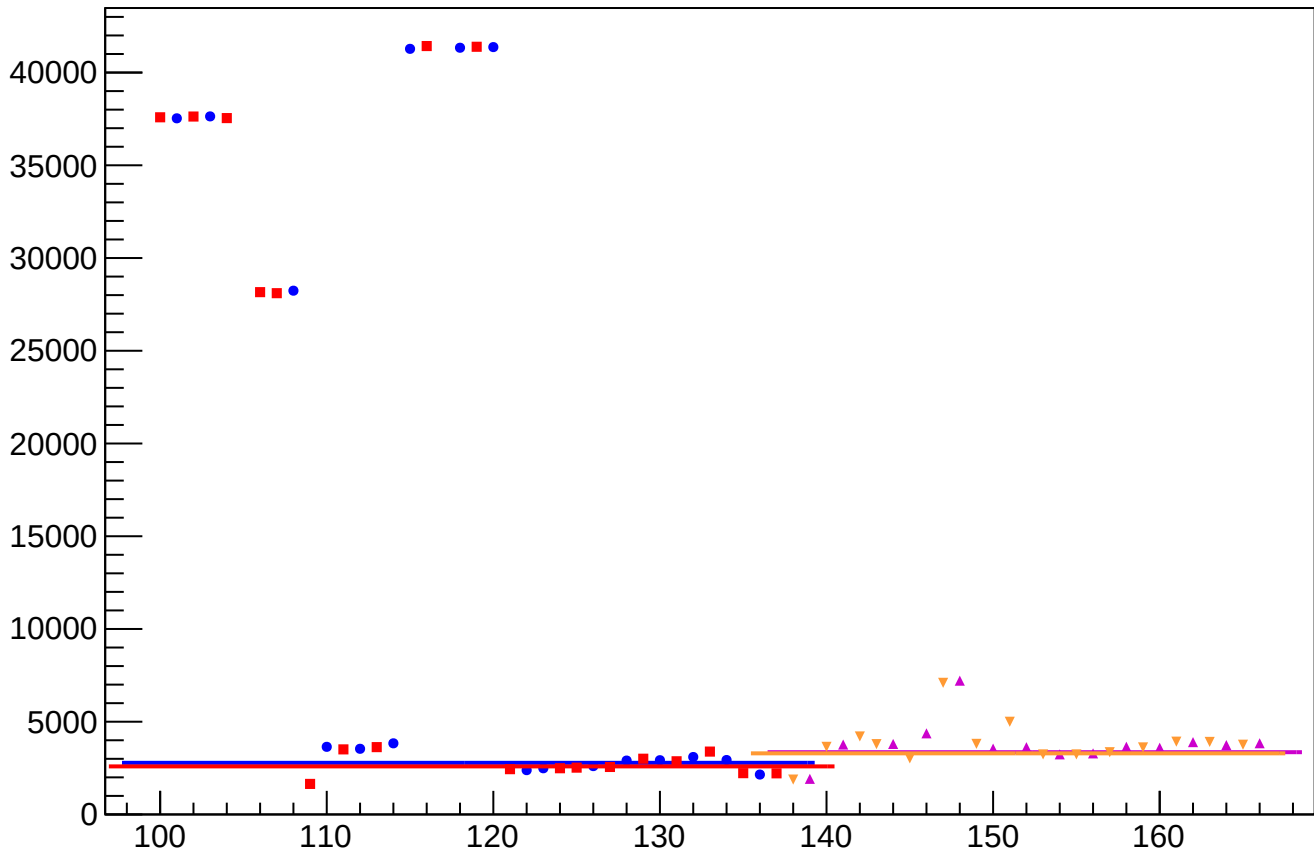
Left In: -0.716+/-1.064 χ^2/NDF : 10.6/13

+ sign 0.012+/-0.817 χ^2/NDF : 42.5/31

All: -0.700+/-0.574 χ^2/NDF : 72.4/64

- sign -1.394+/-0.806 χ^2/NDF : 28.5/32

diff_bpm1p02bY_rms vs Slug



Right In: 2783.989 ± 0.936 $\chi^2/\text{NDF}: 4577424.2/16$

Left Out: 3294.490 ± 0.734 $\chi^2/\text{NDF}: 1610604.5/14$

Right Out: 2591.161 ± 0.873 $\chi^2/\text{NDF}: 4846722.1/18$

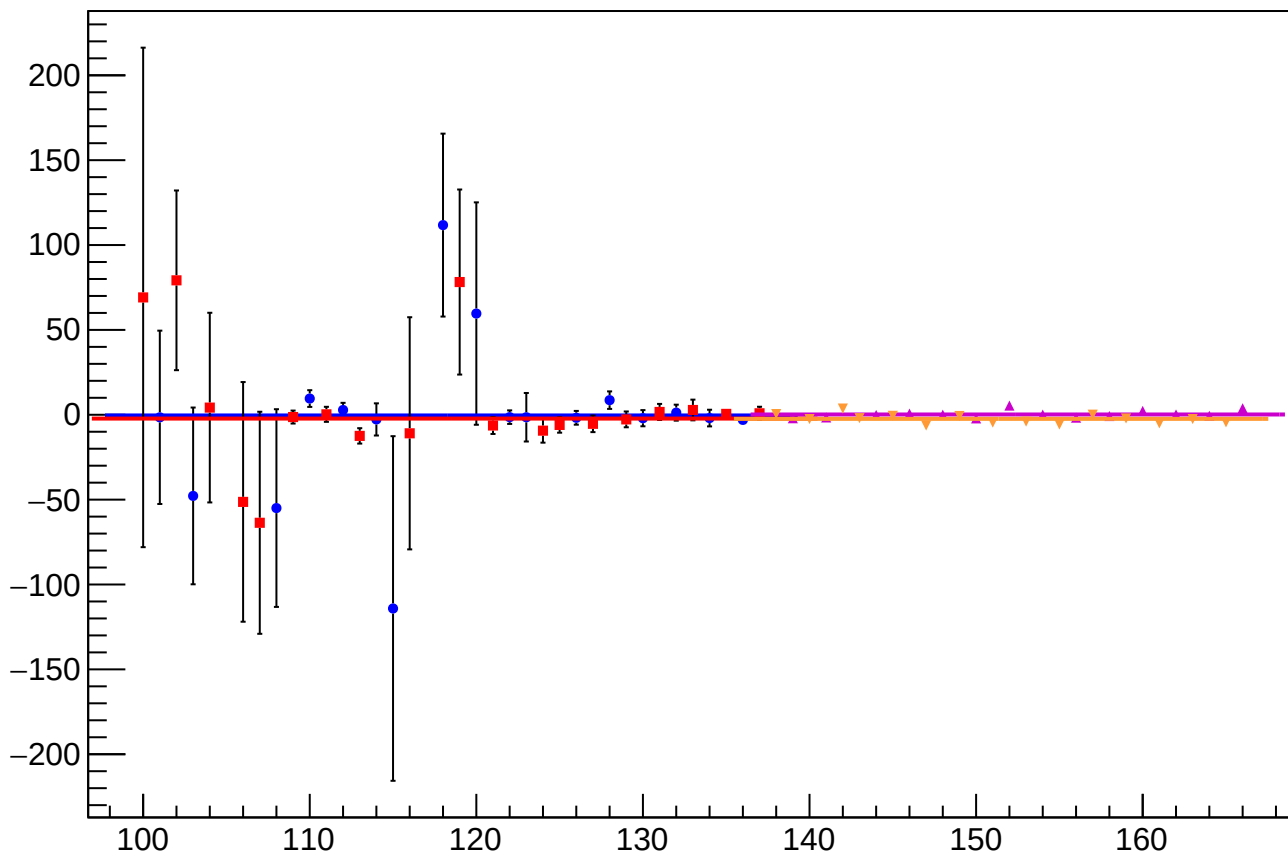
Left In: 3357.094 ± 0.753 $\chi^2/\text{NDF}: 1388374.5/13$

+ sign 3099.921 ± 0.578 $\chi^2/\text{NDF}: 6372257.0/31$

All: 3064.765 ± 0.406 $\chi^2/\text{NDF}: 13056285.9/6$

- sign 3030.532 ± 0.570 $\chi^2/\text{NDF}: 6676717.9/32$

diff_bpm1p03aX_mean vs Slug



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

Left Out: -2.415 ± 0.499 χ^2/NDF : 24.1/14

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

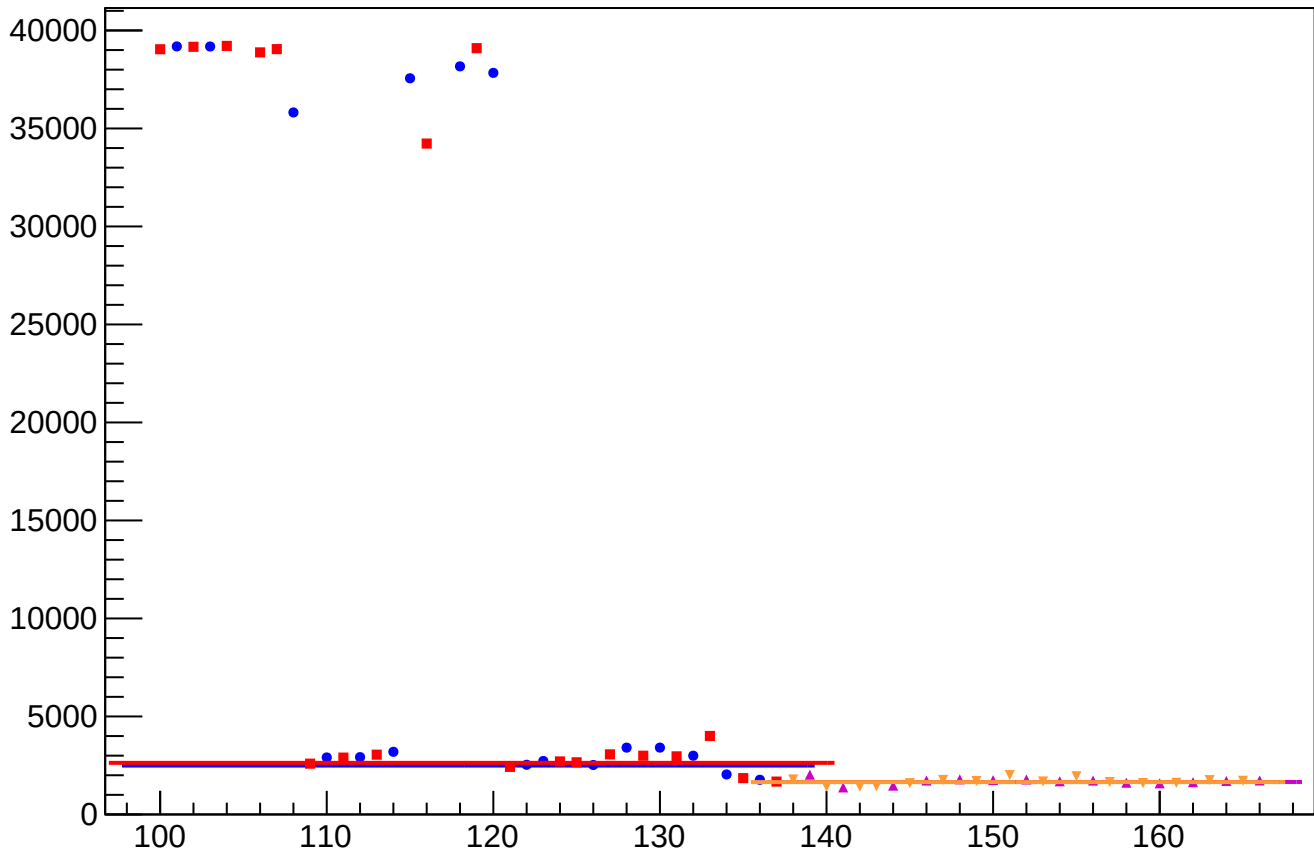
Left In: 0.169 ± 0.506 χ^2/NDF : 16.0/13

+ sign -2.126 ± 0.462 χ^2/NDF : 44.7/31

All: -1.165 ± 0.329 χ^2/NDF : 90.2/64

- sign -0.173 ± 0.469 χ^2/NDF : 36.7/32

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1651.143 $\pm$ 0.353 χ^2 /NDF: 210909.4/14

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

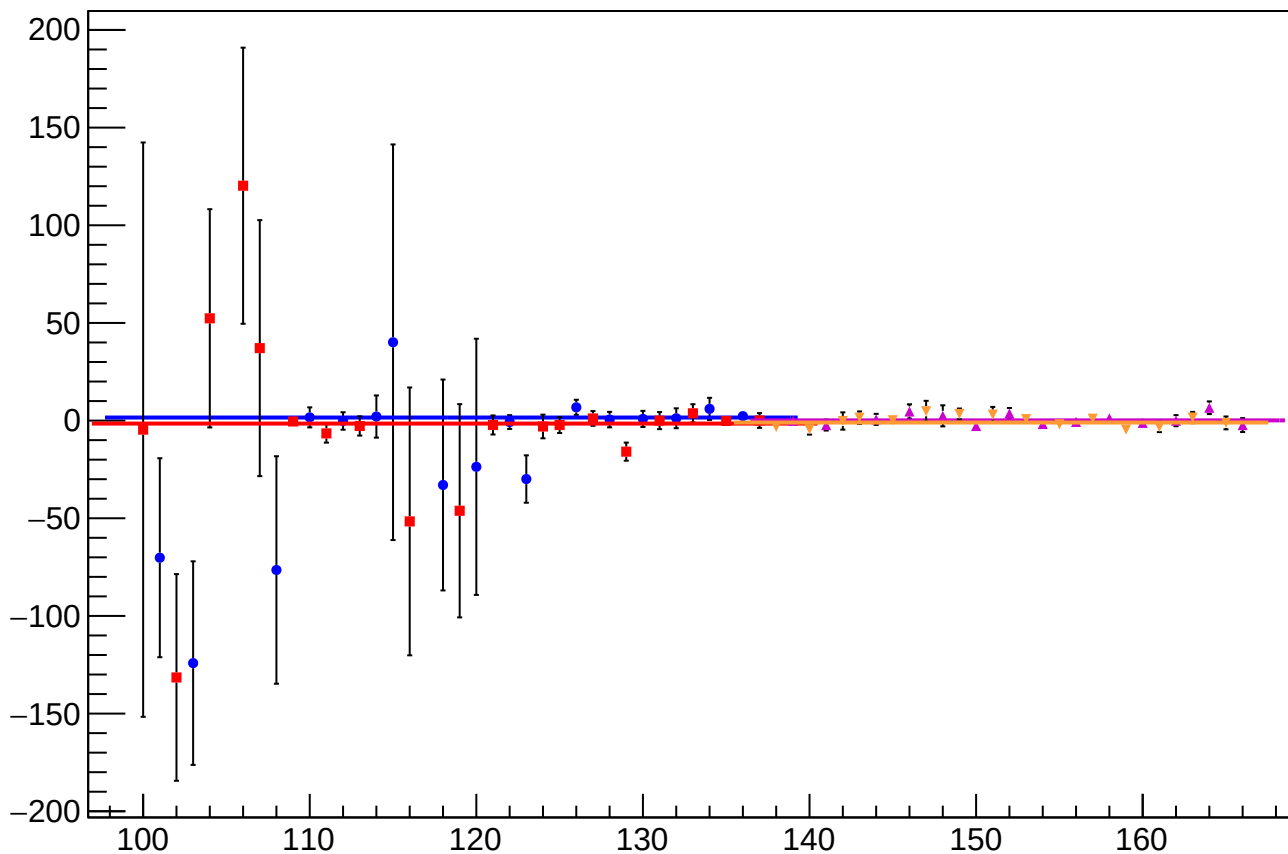
Left In: 1657.293 $\pm$ 0.358 χ^2 /NDF: 176547.5/13

+ sign 1772.426 $\pm$ 0.326 χ^2 /NDF: 5916776.4/31

All: 1783.791 $\pm$ 0.233 χ^2 /NDF: 12009661.1/6

- sign 1795.521 $\pm$ 0.332 χ^2 /NDF: 6090420.3/32

diff_bpm1p03aY_mean vs Slug



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

Left Out: -0.977 ± 0.680 χ^2/NDF : 14.5/14

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

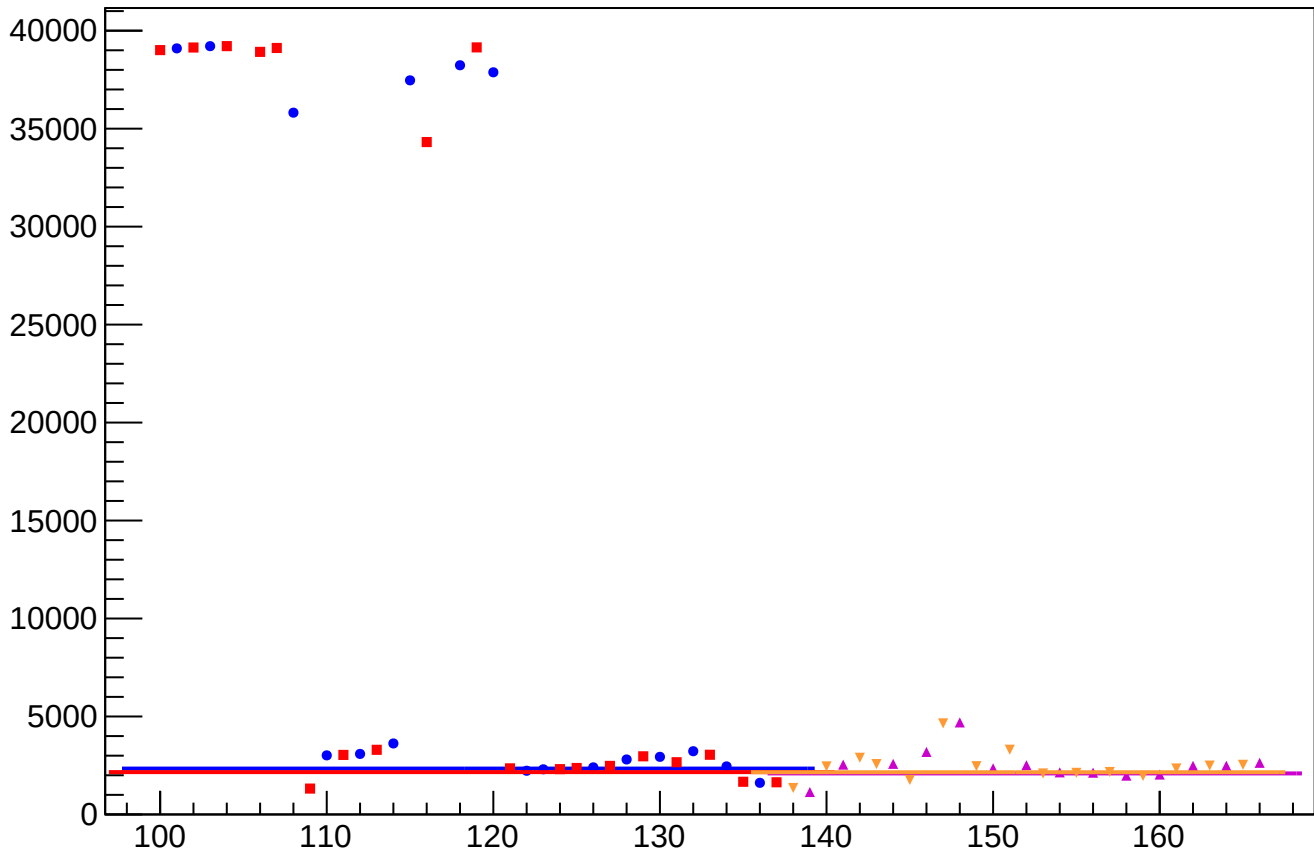
Left In: 0.114 ± 0.673 χ^2/NDF : 11.1/13

+ sign -0.309 ± 0.584 χ^2/NDF : 38.6/31

All: -0.333 ± 0.407 χ^2/NDF : 76.3/64

- sign -0.355 ± 0.568 χ^2/NDF : 37.8/32

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2154.439 $\pm$ 0.481 χ^2 /NDF:1340623.9/14

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

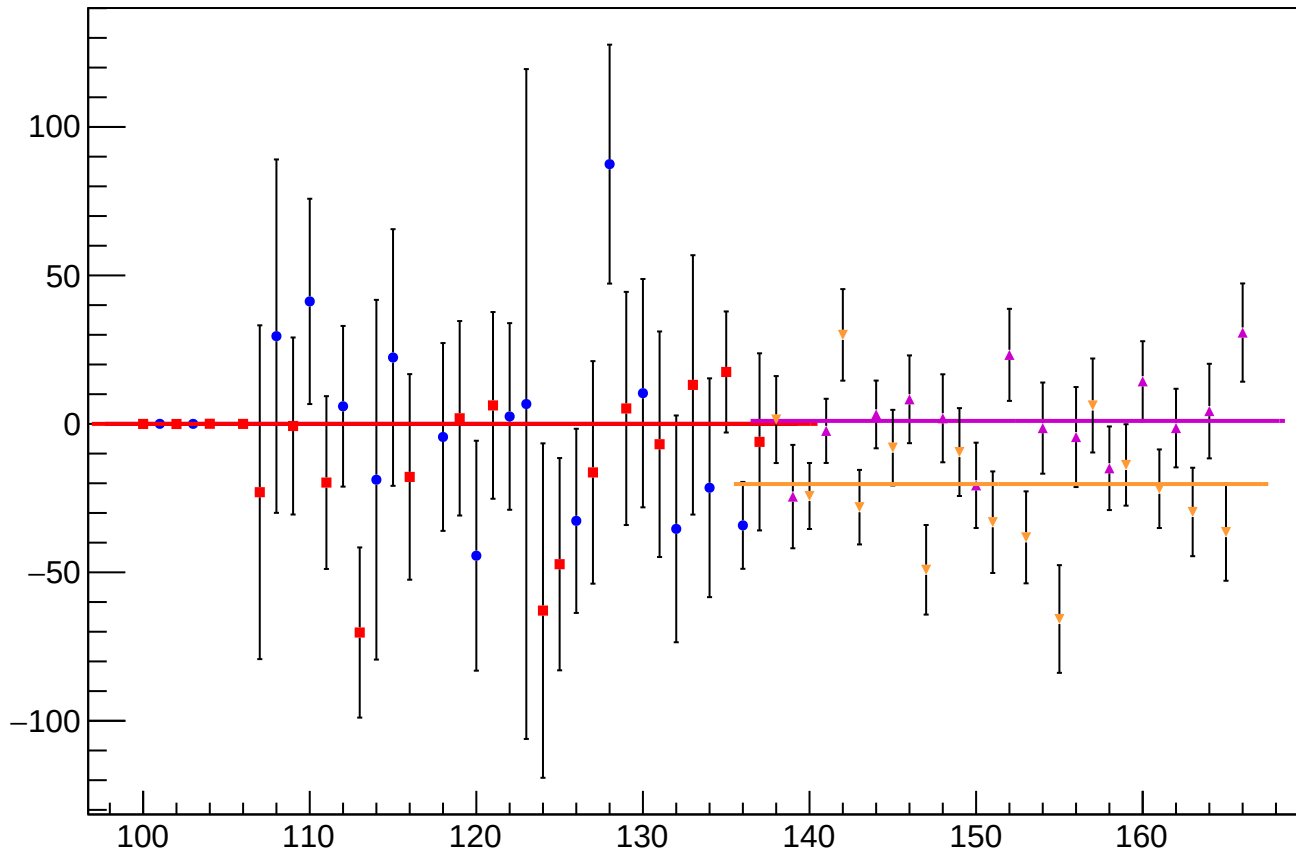
Left In: 2094.445 $\pm$ 0.476 χ^2 /NDF:1876422.0/13

+ sign 2203.253 $\pm$ 0.413 χ^2 /NDF: 6386896.7/31

All: 2157.136 $\pm$ 0.288 χ^2 /NDF: 13592225.9/6

- sign 2113.541 $\pm$ 0.402 χ^2 /NDF: 7181104.5/32

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 16.2/16$

Left Out: -20.262 ± 3.719 $\chi^2/\text{NDF}: 31.0/14$

Right Out: 0.003 ± 0.016 $\chi^2/\text{NDF}: 15.9/18$

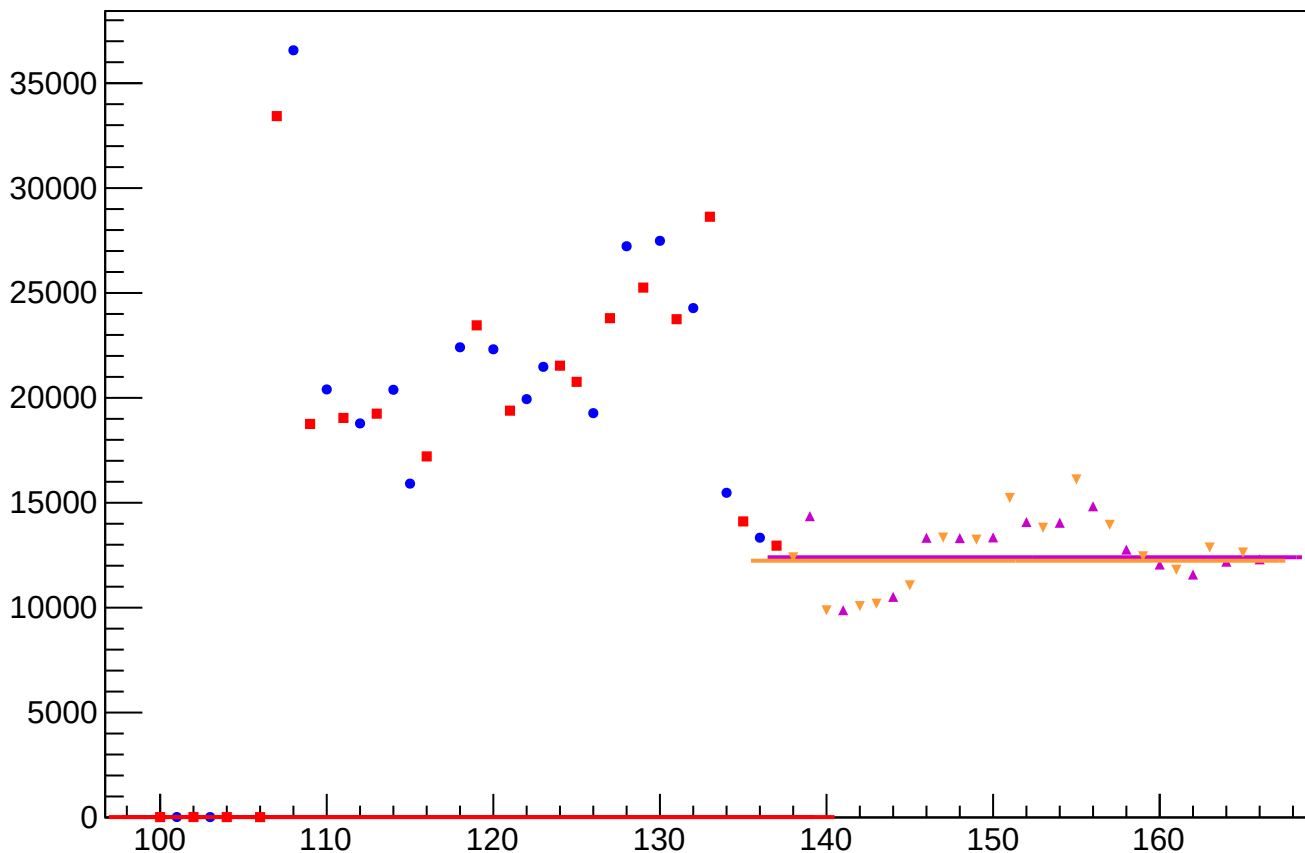
Left In: 1.001 ± 3.799 $\chi^2/\text{NDF}: 12.6/13$

+ sign 0.013 ± 0.017 $\chi^2/\text{NDF}: 76.9/31$

All: 0.008 ± 0.012 $\chi^2/\text{NDF}: 105.6/64$

- sign 0.003 ± 0.016 $\chi^2/\text{NDF}: 28.5/32$

diff_cav4bX_rms vs Slug



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

Left Out: 12238.309 $\pm$ 2.630 χ^2 /NDF: 424055.0/14

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

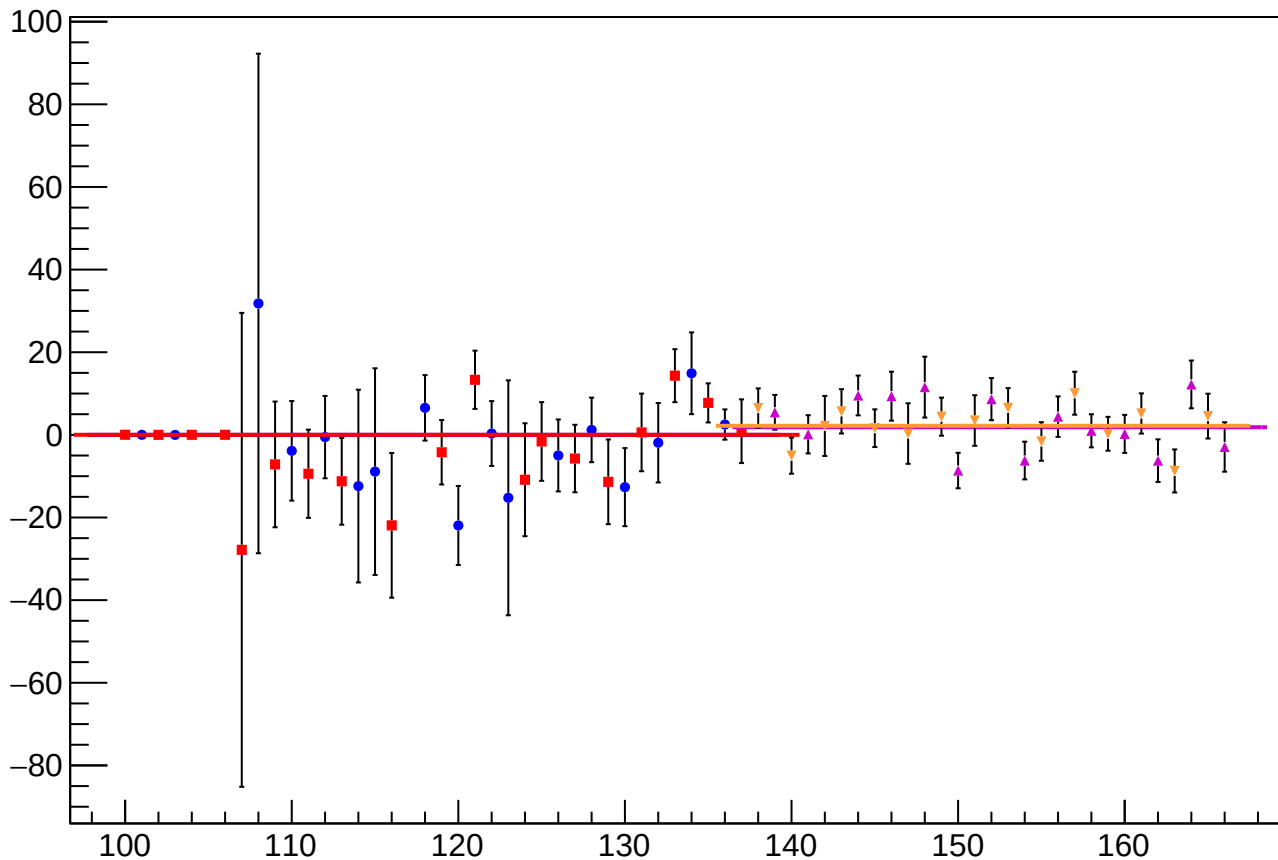
Left In: 12402.238 $\pm$ 2.686 χ^2 /NDF: 312351.1/13

+ sign 18.907 $\pm$ 0.012 χ^2 /NDF: 32998116.3/31

All: 18.706 $\pm$ 0.008 χ^2 /NDF: 65673316.5/64

- sign 18.533 $\pm$ 0.011 χ^2 /NDF: 32674699.4/32

diff_cav4bY_mean vs Slug



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

Left Out: 2.198 $\pm$ 1.302 χ^2 /NDF:13.3/14

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

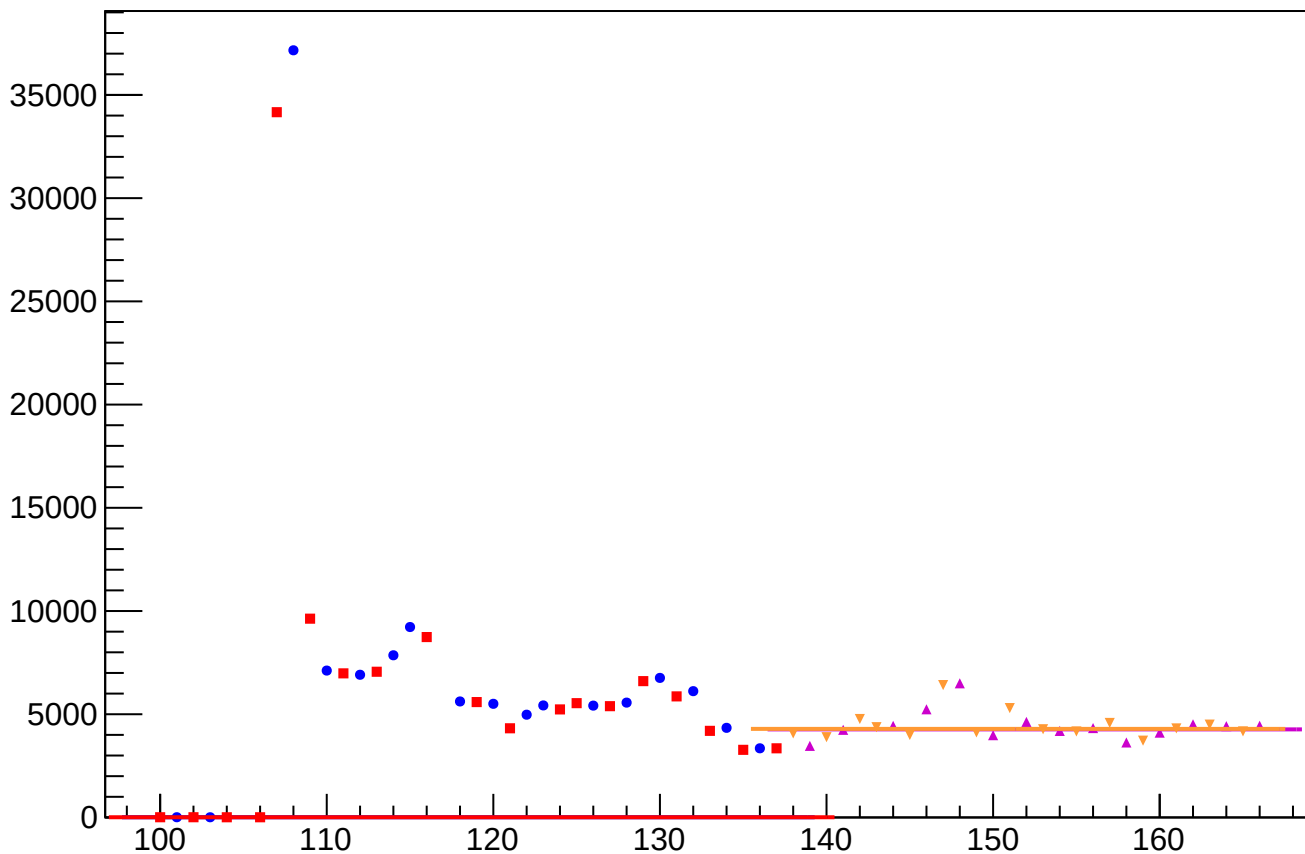
Left In: 1.851 $\pm$ 1.313 χ^2 /NDF:24.4/13

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 29.2/31

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 75.2/64

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 44.9/32

diff_cav4bY_rms vs Slug



Right In: 9.939 $\pm$ 0.007 χ^2 /NDF: 11114526.8/16

Left Out: 4290.502 $\pm$ 0.921 χ^2 /NDF:313973.8/14

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11159992.3/18

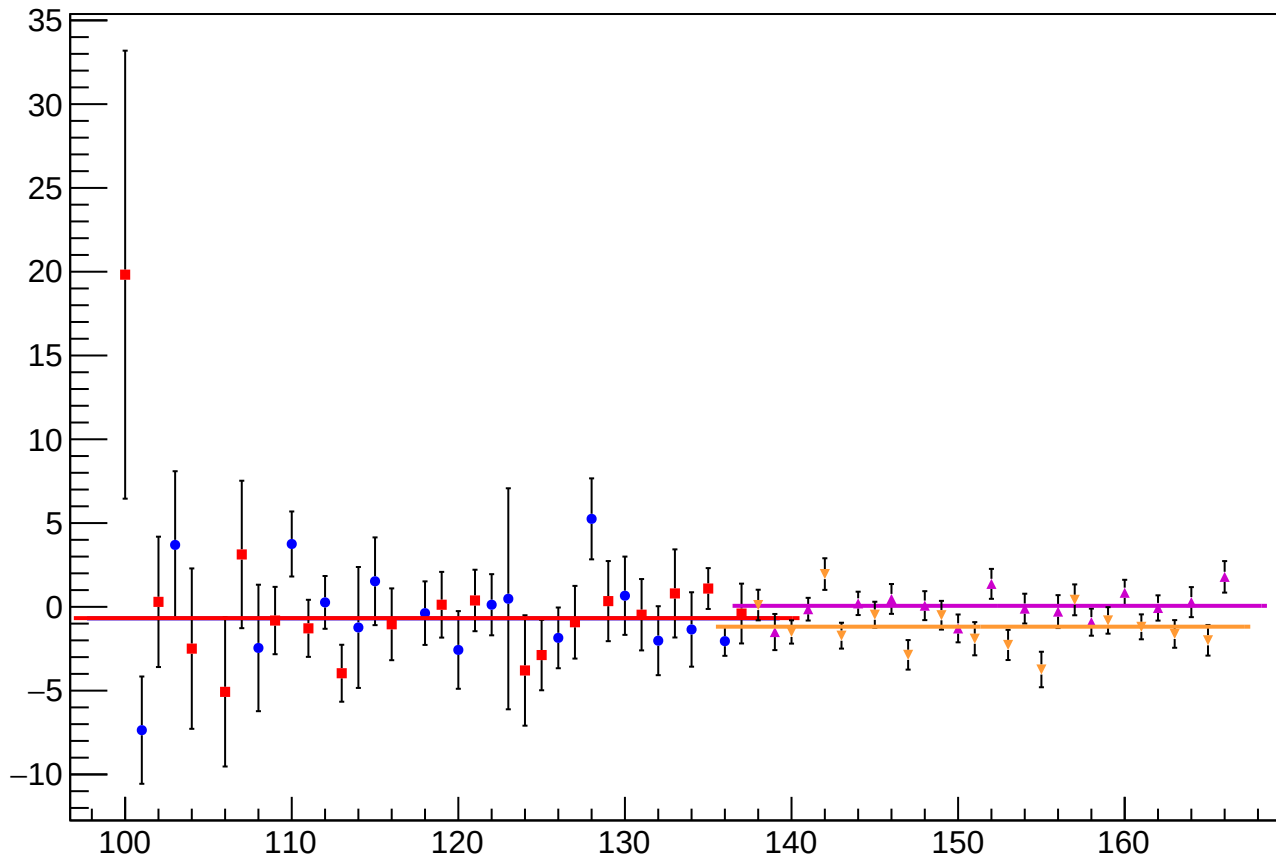
Left In: 4266.496 $\pm$ 0.928 χ^2 /NDF:391683.1/13

+ sign 10.153 $\pm$ 0.007 χ^2 /NDF: 33040557.0/31

All: 10.093 $\pm$ 0.004 χ^2 /NDF: 65626171.6/64

- sign 10.039 $\pm$ 0.006 χ^2 /NDF: 32585452.9/32

diff_cav4cX_mean vs Slug



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

Left Out: -1.183 ± 0.219 χ^2/NDF : 31.0/14

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

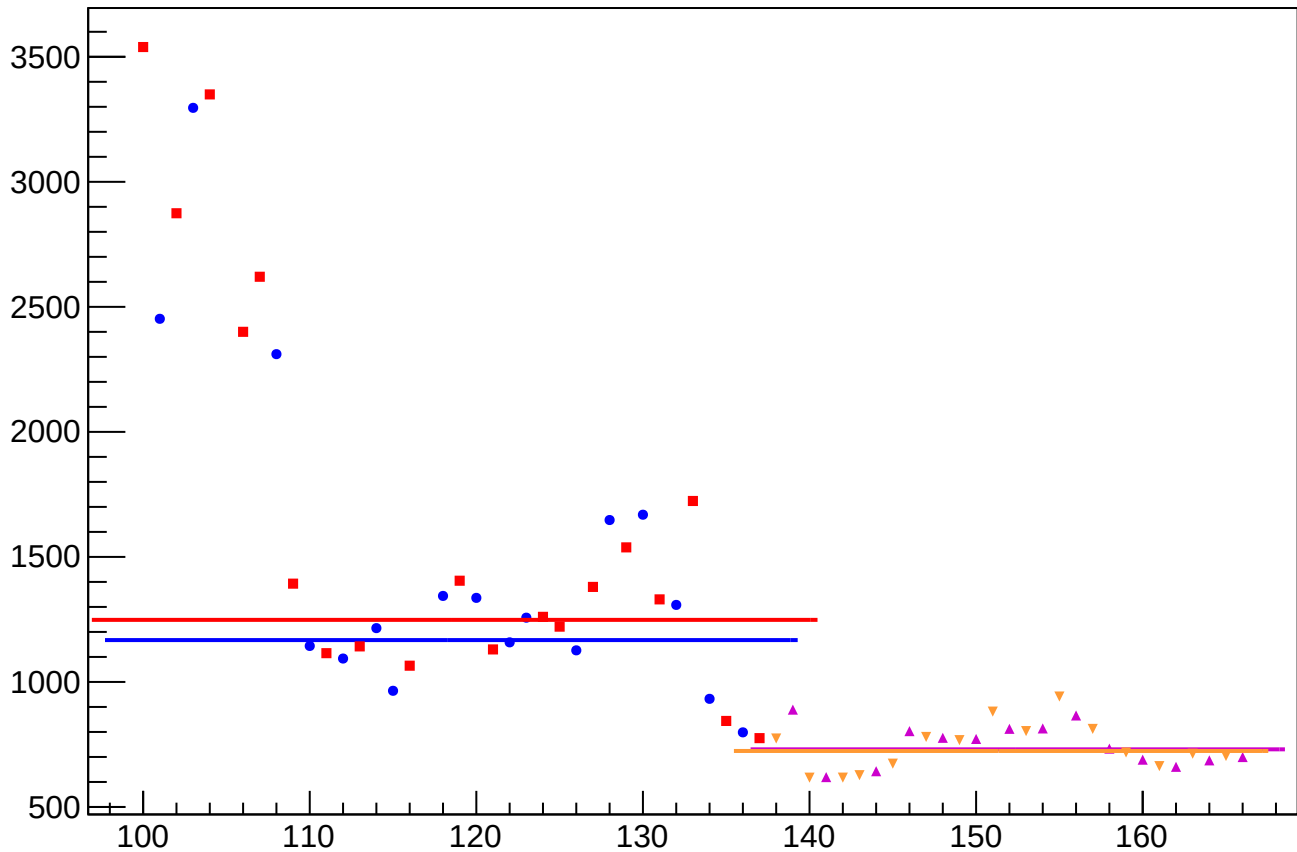
Left In: 0.061 ± 0.223 χ^2/NDF : 13.3/13

+ sign -1.099 ± 0.200 χ^2/NDF : 54.4/31

All: -0.591 ± 0.143 χ^2/NDF : 96.0/64

- sign -0.061 ± 0.204 χ^2/NDF : 28.4/32

diff_cav4cX_rms vs Slug



Right In: 1167.397+/-0.341 χ^2 /NDF: 1578328.1/16

Left Out: 723.970+/-0.155 χ^2 /NDF: 315484.4/14

Right Out: 1248.241+/-0.354 χ^2 /NDF: 1654028.9/18

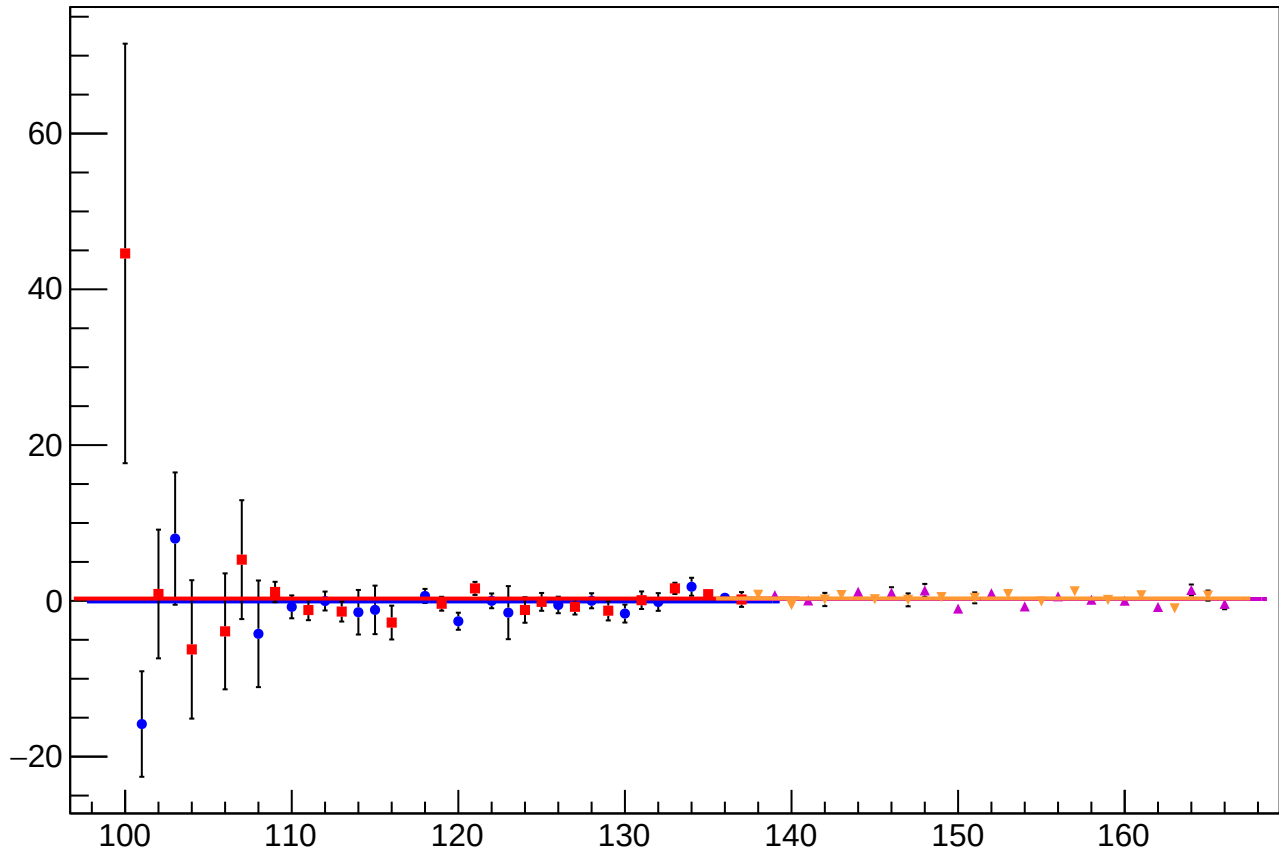
Left In: 730.486+/-0.158 χ^2 /NDF: 255180.9/13

+ sign 799.988+/-0.141 χ^2 /NDF: 3294743.9/31

All: 808.038+/-0.101 χ^2 /NDF: 6994294.5/64

- sign 816.440+/-0.144 χ^2 /NDF: 3692907.3/32

diff_cav4cY_mean vs Slug



Right In: -0.072 ± 0.269 $\chi^2/\text{NDF}: 19.2/16$

Left Out: 0.310 ± 0.156 $\chi^2/\text{NDF}: 12.6/14$

Right Out: 0.294 ± 0.264 $\chi^2/\text{NDF}: 20.2/18$

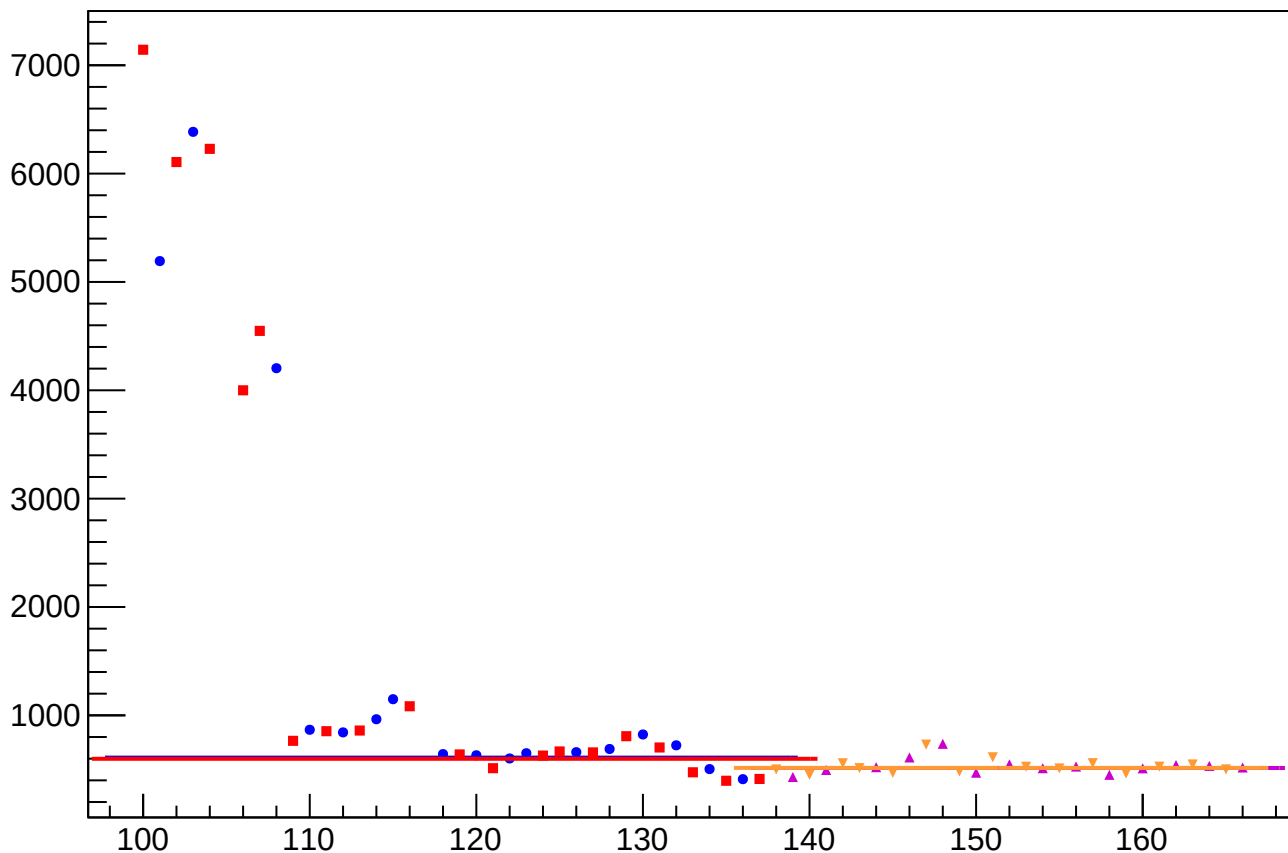
Left In: 0.241 ± 0.158 $\chi^2/\text{NDF}: 24.0/13$

+ sign 0.213 ± 0.135 $\chi^2/\text{NDF}: 33.3/31$

All: 0.234 ± 0.096 $\chi^2/\text{NDF}: 77.6/64$

- sign 0.255 ± 0.135 $\chi^2/\text{NDF}: 44.2/32$

diff_cav4cY_rms vs Slug



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

Left Out: 514.872 $\pm$ 0.110 χ^2 /NDF: 268950.2/14

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

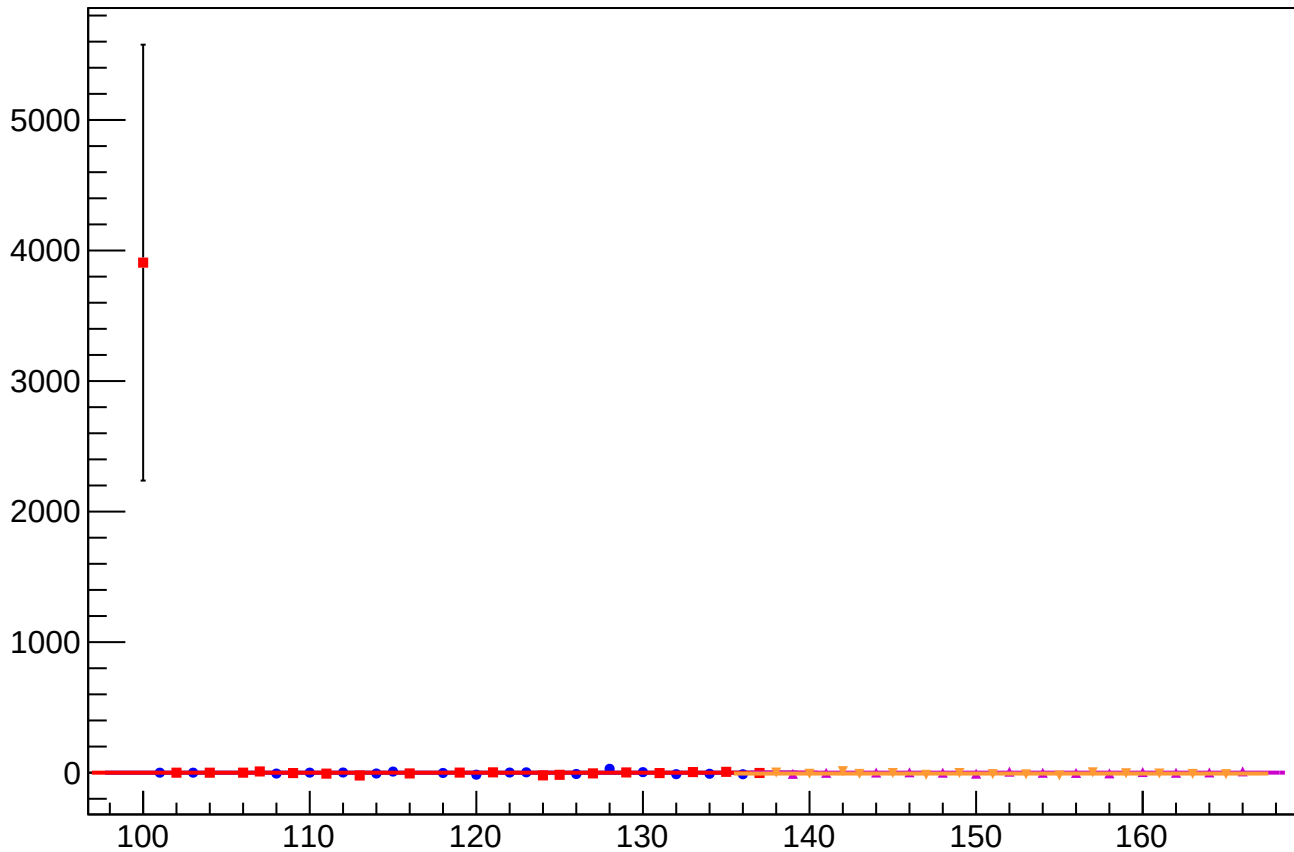
Left In: 514.126 $\pm$ 0.112 χ^2 /NDF: 295604.7/13

+ sign 538.813 $\pm$ 0.095 χ^2 /NDF: 3591669.0/31

All: 537.646 $\pm$ 0.068 χ^2 /NDF: 7592431.5/64

- sign 536.471 $\pm$ 0.096 χ^2 /NDF: 4000462.3/32

diff_cav4dX_mean vs Slug



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

Left Out: -6.831 ± 1.278 χ^2/NDF : 31.1/14

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

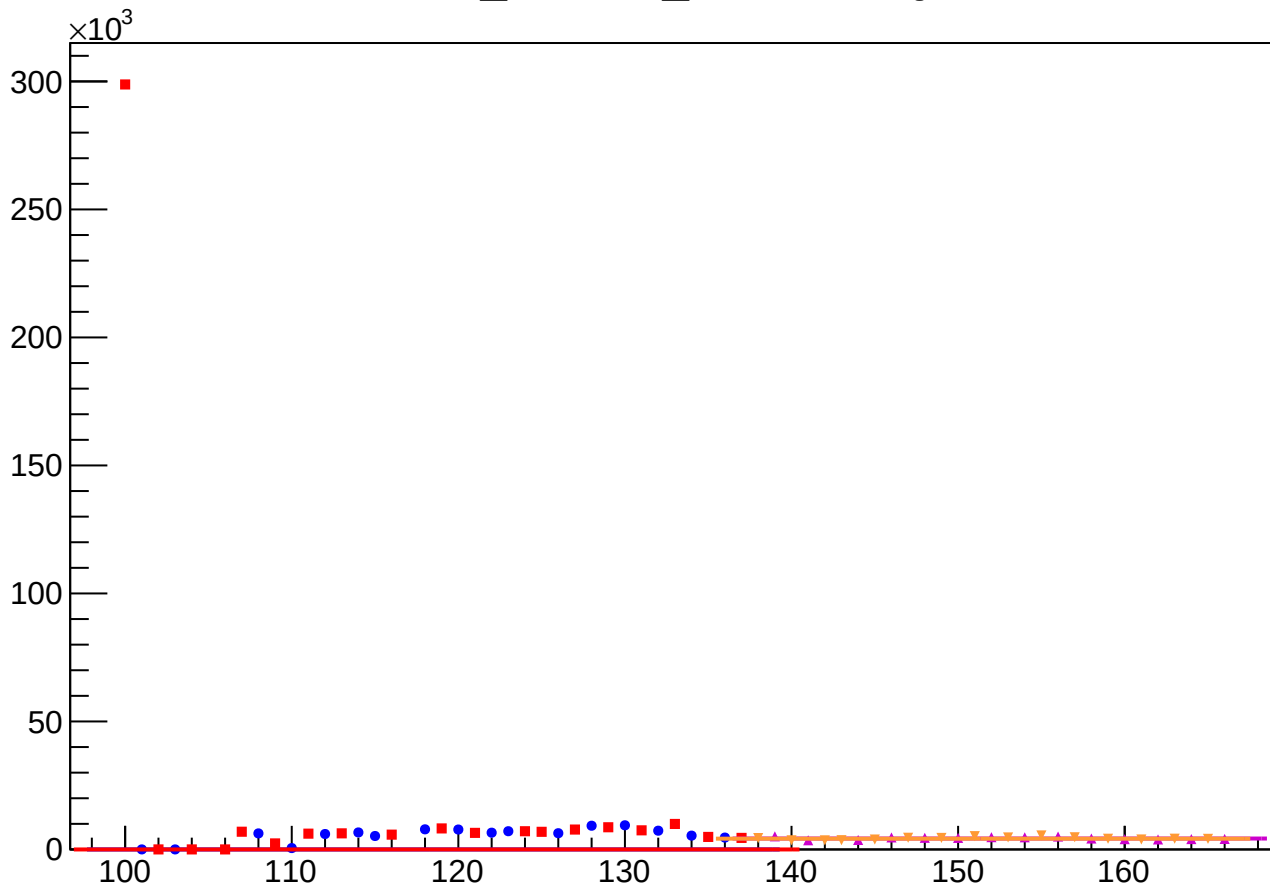
Left In: 0.380 ± 1.305 χ^2/NDF : 13.0/13

+ sign -0.023 ± 0.021 χ^2/NDF : 75.1/31

All: -0.025 ± 0.014 χ^2/NDF : 106.2/64

- sign -0.027 ± 0.020 χ^2/NDF : 31.0/32

diff_cav4dX_rms vs Slug



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

Left Out: 4217.102 ± 0.904 χ^2/NDF : 333816.5/14

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

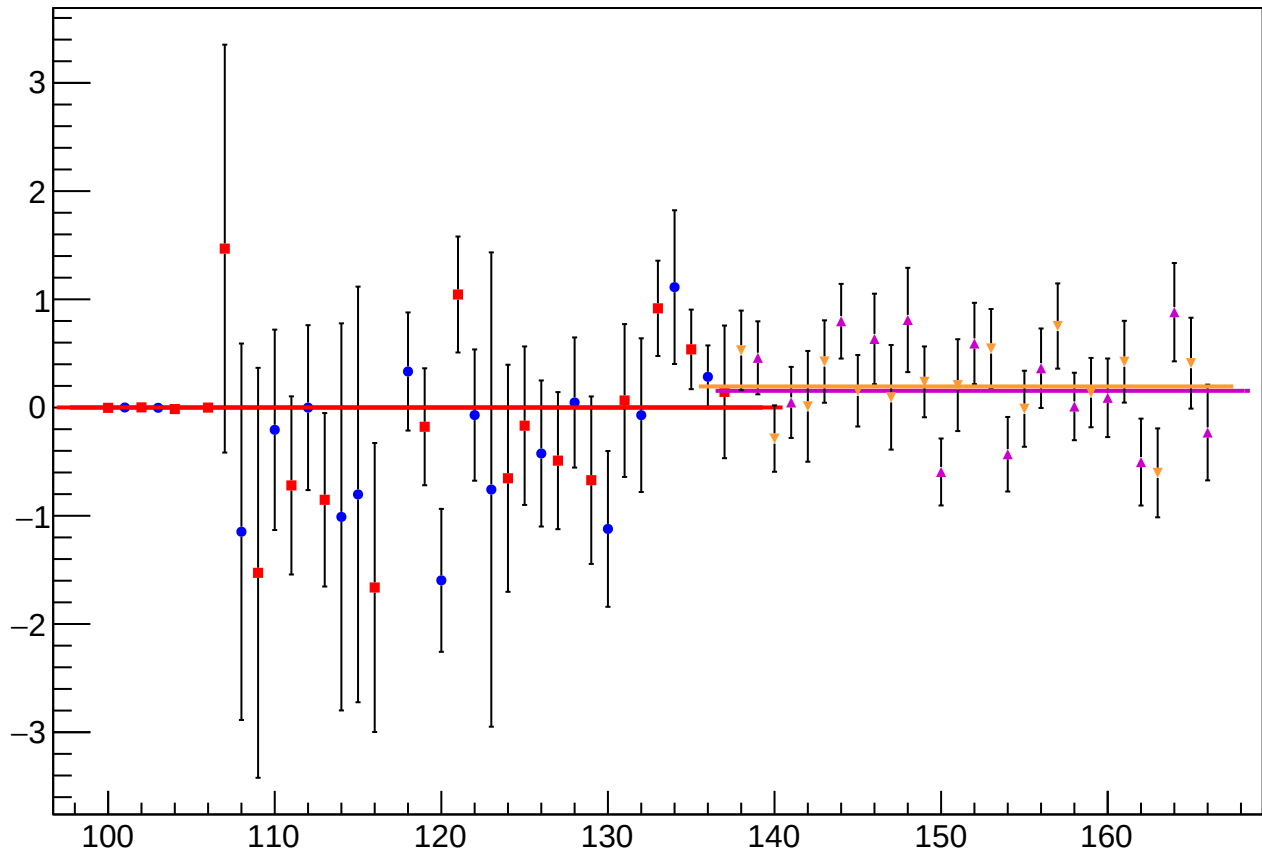
Left In: 4267.195 ± 0.923 χ^2/NDF : 258626.9/13

+ sign 18.452 ± 0.015 χ^2/NDF : 32413095.9/31

All: 18.343 ± 0.010 χ^2/NDF : 64698102.0/64

- sign 18.244 ± 0.014 χ^2/NDF : 32284901.9/32

diff_cav4dY_mean vs Slug



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

Left Out: 0.195 $\pm$ 0.096 χ^2 /NDF:11.6/14

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

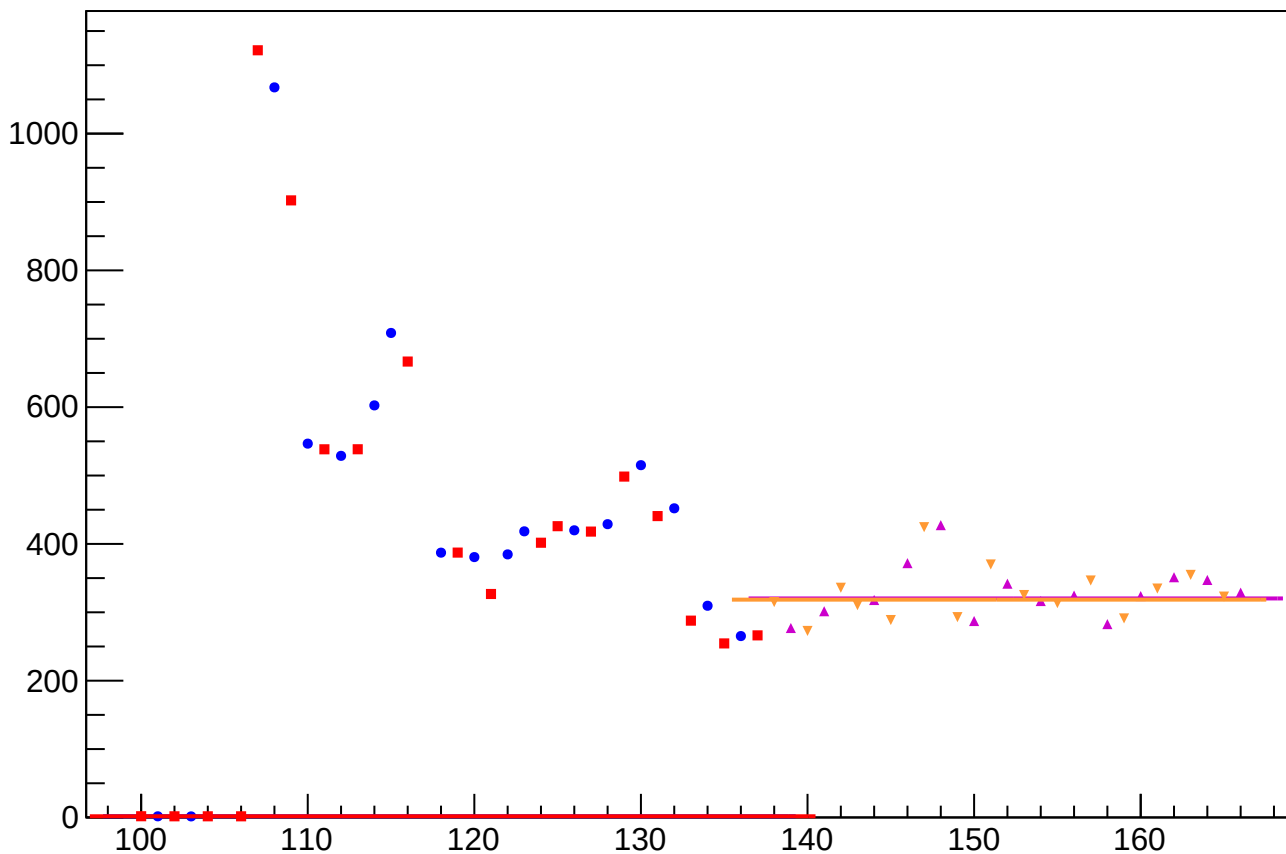
Left In: 0.155 $\pm$ 0.098 χ^2 /NDF:24.3/13

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 29.4/31

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 74.1/64

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 44.6/32

diff_cav4dY_rms vs Slug



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

Left Out: 318.513+/-0.068 χ^2/NDF : 247282.6/14

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

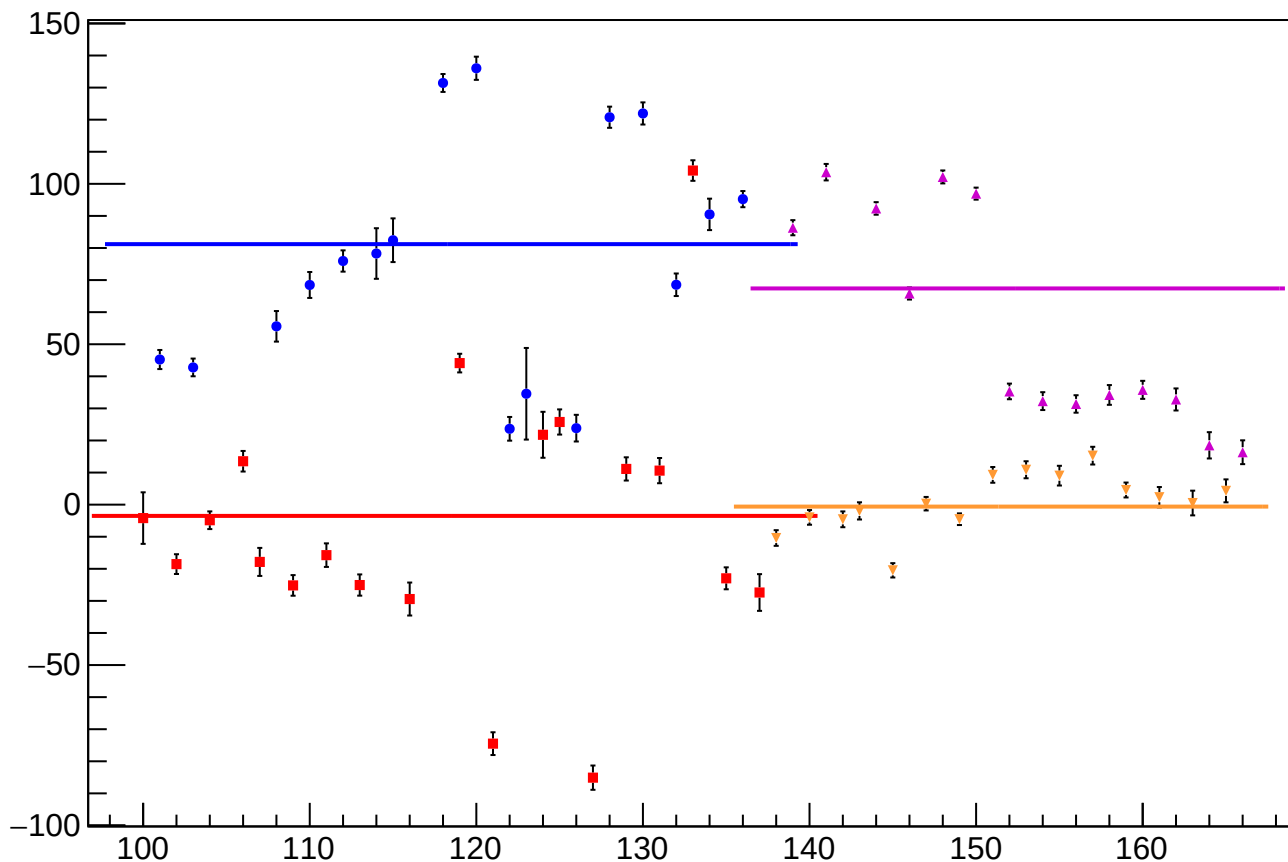
Left In: 320.260+/-0.069 χ^2/NDF : 247621.7/13

+ sign 1.839+/-0.001 χ^2/NDF : 32872140.2/31

All: 1.846+/-0.001 χ^2/NDF : 64935191.7/64

- sign 1.853+/-0.001 χ^2/NDF : 32063002.1/32

diff_bpm0i01X_mean vs Slug



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

Left Out: -0.608 ± 0.650 χ^2/NDF : 190.6/14

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

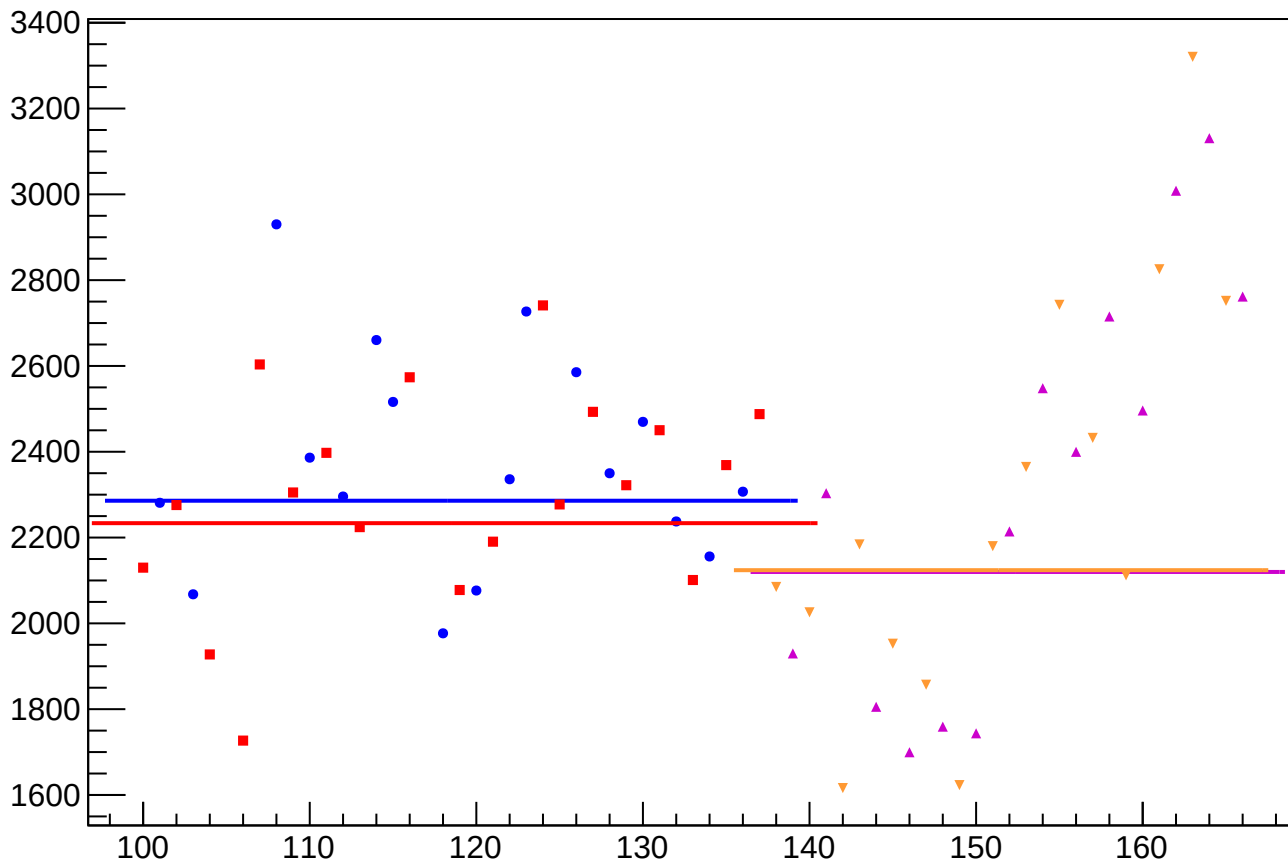
Left In: 67.394 ± 0.662 χ^2/NDF : 2153.1/13

+ sign 28.034 ± 0.524 χ^2/NDF : 7445.0/31

All: 34.227 ± 0.369 χ^2/NDF : 16854.0/64

- sign 40.336 ± 0.520 χ^2/NDF : 9131.6/32

diff_bpm0i01X_rms vs Slug



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

Left Out: 2123.957+/-0.460 χ^2/NDF : 761897.4/14

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

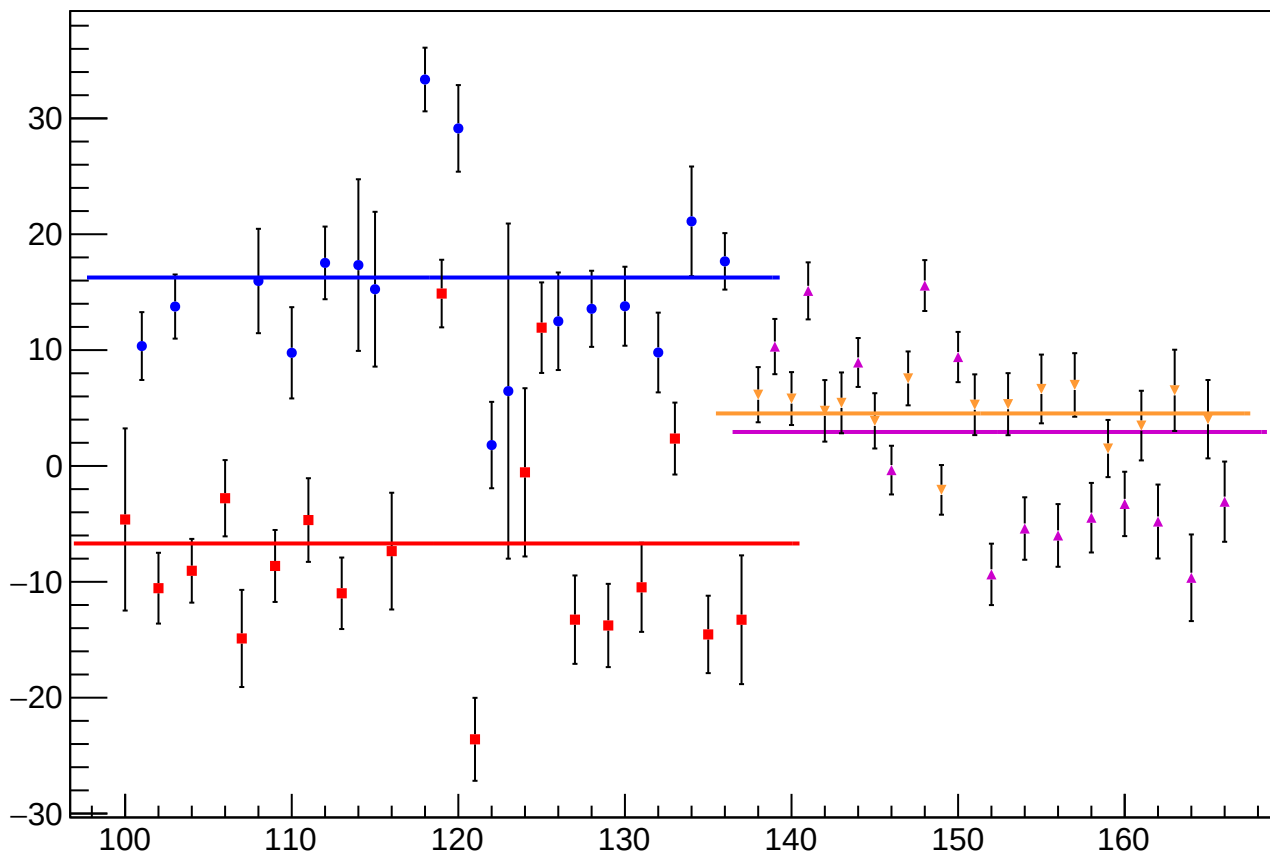
Left In: 2119.830+/-0.468 χ^2/NDF : 815316.3/13

+ sign 2180.640+/-0.371 χ^2/NDF : 914663.7/31

All: 2171.873+/-0.261 χ^2/NDF : 1900470.9/64

- sign 2163.227+/-0.368 χ^2/NDF : 984695.7/32

diff_bpm0i01Y_mean vs Slug



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

Left Out: 4.533 ± 0.673 $\chi^2/\text{NDF}: 15.6/14$

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

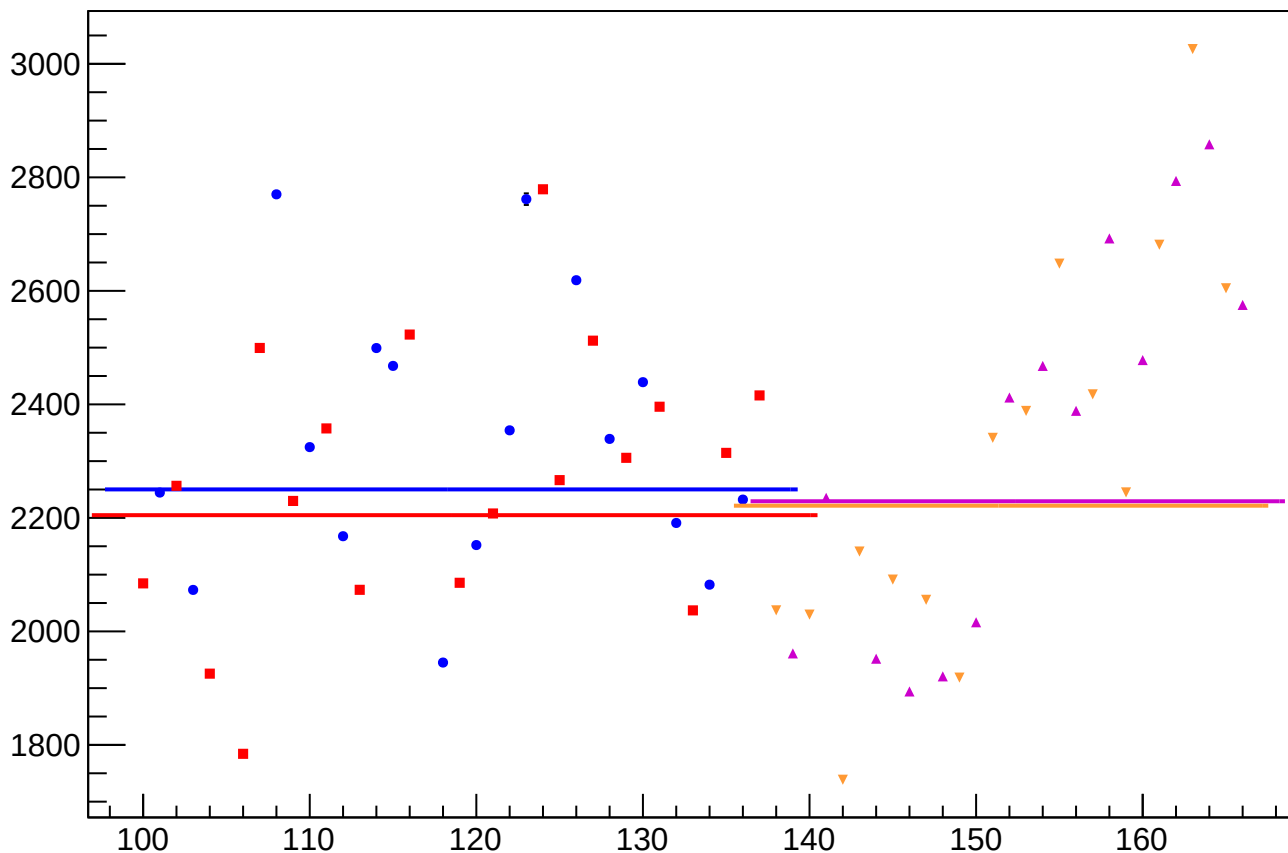
Left In: 2.933 ± 0.687 $\chi^2/\text{NDF}: 159.8/13$

+ sign 8.916 ± 0.533 $\chi^2/\text{NDF}: 209.9/31$

All: 3.940 ± 0.375 $\chi^2/\text{NDF}: 756.8/64$

- sign -0.972 ± 0.529 $\chi^2/\text{NDF}: 373.5/32$

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2221.480+/-0.476 χ^2/NDF : 391650.1/14

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

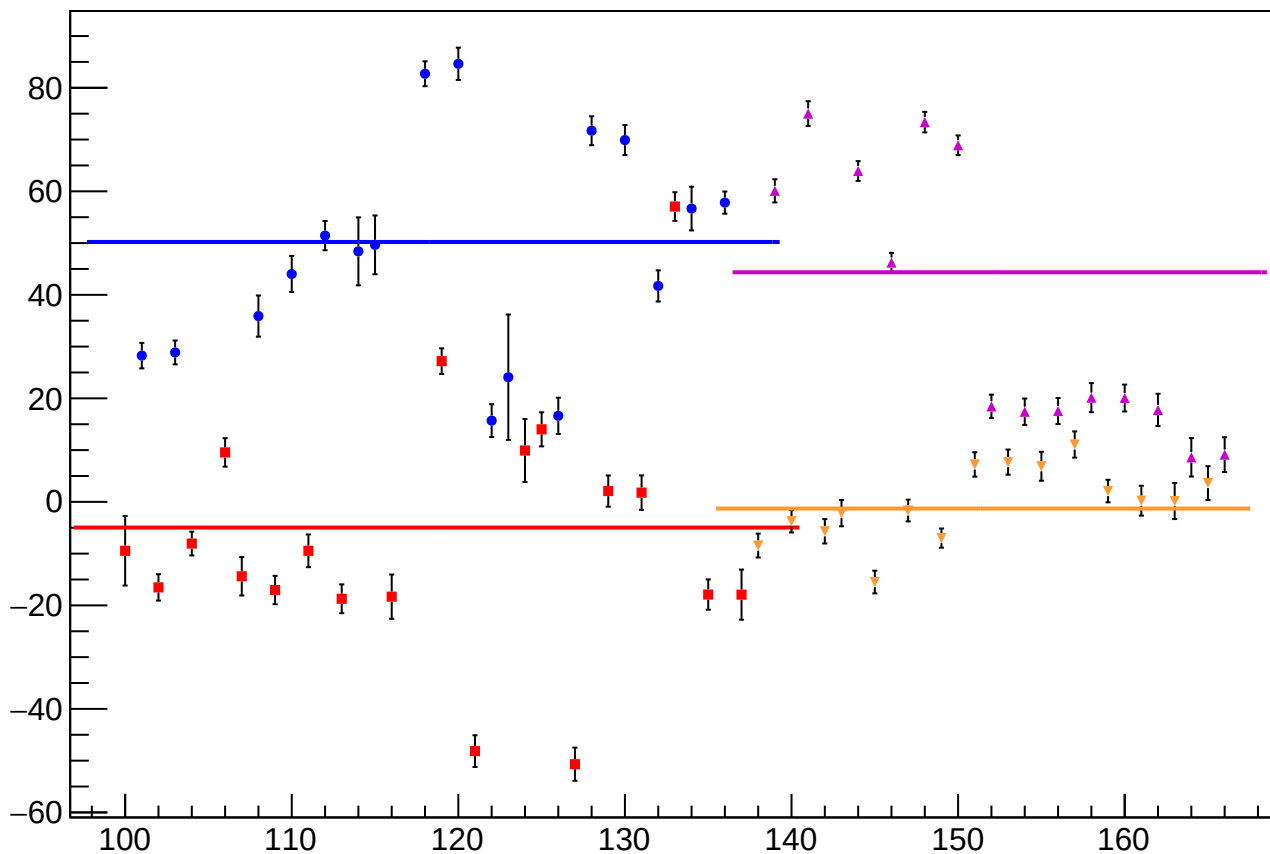
Left In: 2229.293+/-0.485 χ^2/NDF : 404304.1/13

+ sign 2232.199+/-0.377 χ^2/NDF : 490586.5/31

All: 2225.732+/-0.265 χ^2/NDF : 1022737.7/64

- sign 2219.349+/-0.374 χ^2/NDF : 531565.5/32

diff_bpm0i01aX_mean vs Slug



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

Left Out: -1.289+/-0.620 χ^2/NDF : 130.0/14

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

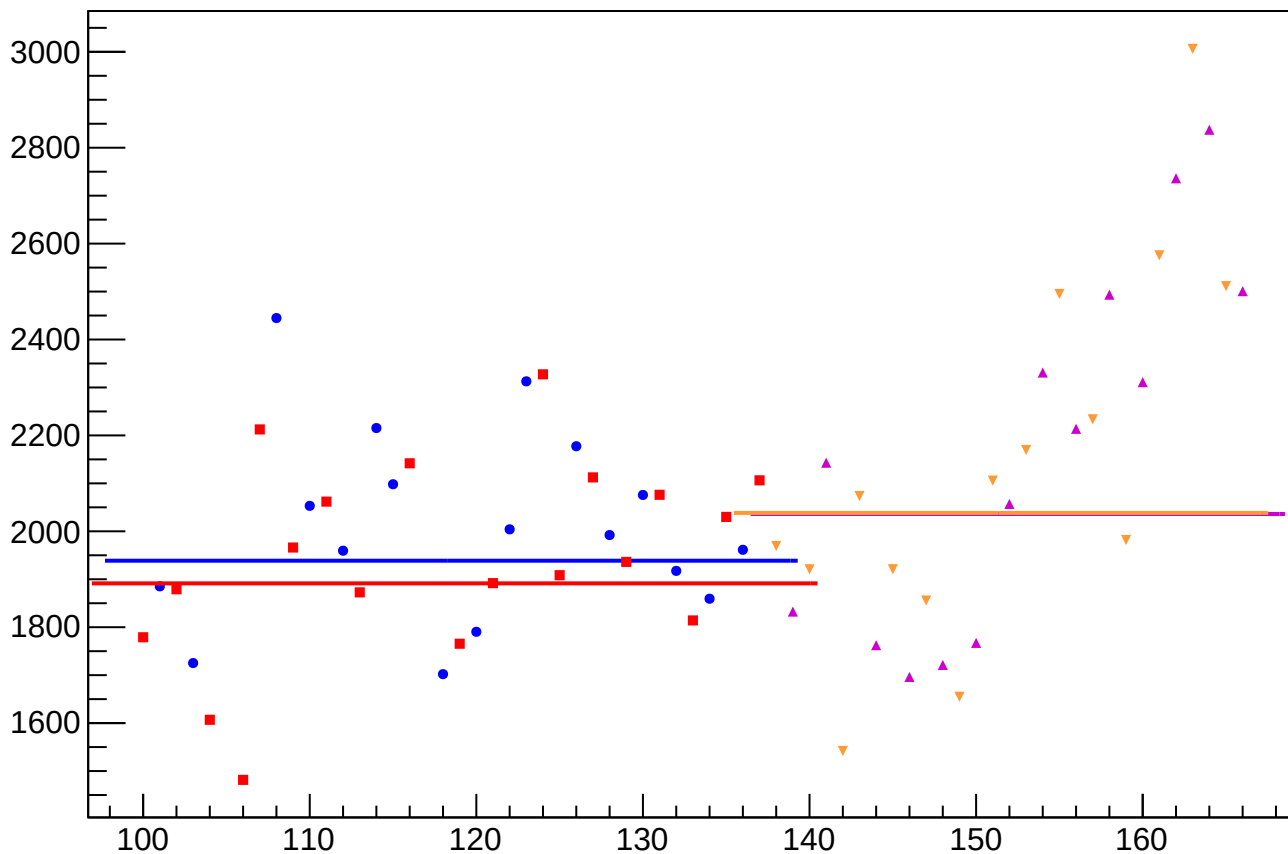
Left In: 44.360+/-0.631 χ^2/NDF : 1494.1/13

+ sign 19.601+/-0.478 χ^2/NDF : 3757.6/31

All: 21.165+/-0.336 χ^2/NDF : 9215.2/64

- sign 22.696+/-0.473 χ^2/NDF : 5436.4/32

diff_bpm0i01aX_rms vs Slug



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

Left Out: 2038.336 $\pm$ 0.439 χ^2 /NDF: 542843.8/14

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

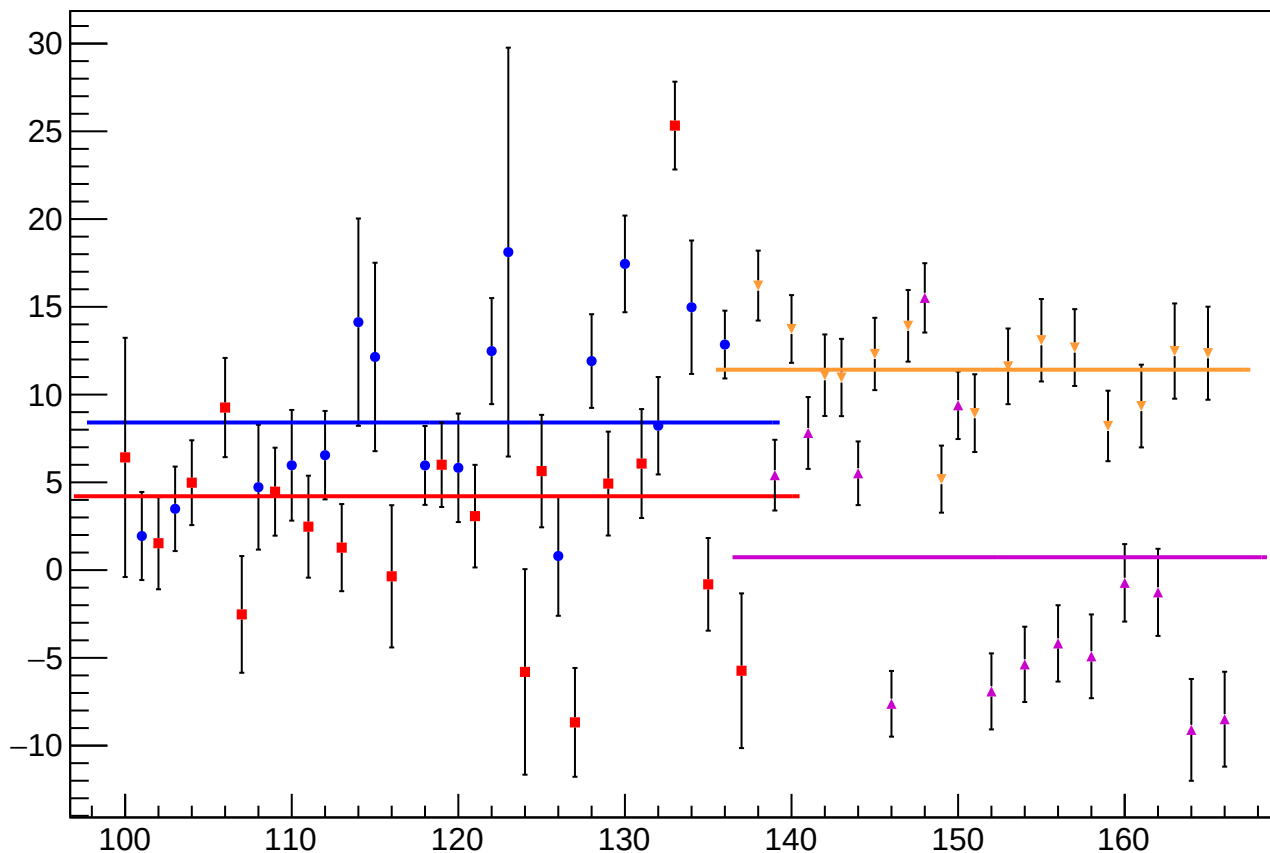
Left In: 2036.130 $\pm$ 0.447 χ^2 /NDF: 561003.2/13

+ sign 1997.920 $\pm$ 0.338 χ^2 /NDF: 663929.0/31

All: 1985.109 $\pm$ 0.238 χ^2 /NDF: 1420507.0/64

- sign 1972.582 $\pm$ 0.334 χ^2 /NDF: 753738.6/32

diff_bpm0i01aY_mean vs Slug



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

Left Out: 11.418 ± 0.561 χ^2/NDF : 25.3/14

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

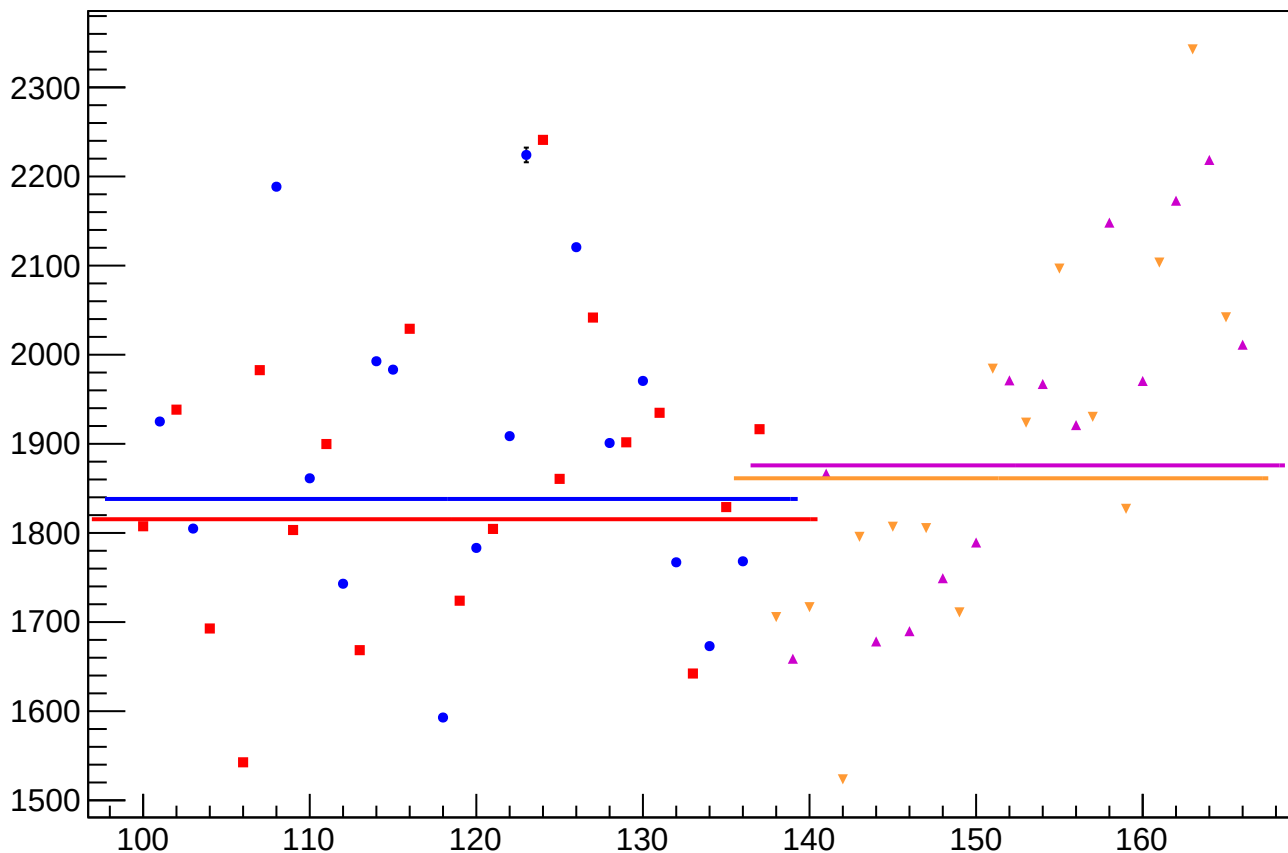
Left In: 0.734 ± 0.573 χ^2/NDF : 175.8/13

+ sign 10.265 ± 0.441 χ^2/NDF : 80.9/31

All: 6.205 ± 0.311 χ^2/NDF : 554.3/64

- sign 2.172 ± 0.439 χ^2/NDF : 304.1/32

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1861.352 $\pm$ 0.397 χ^2 /NDF: 206603.5/14

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

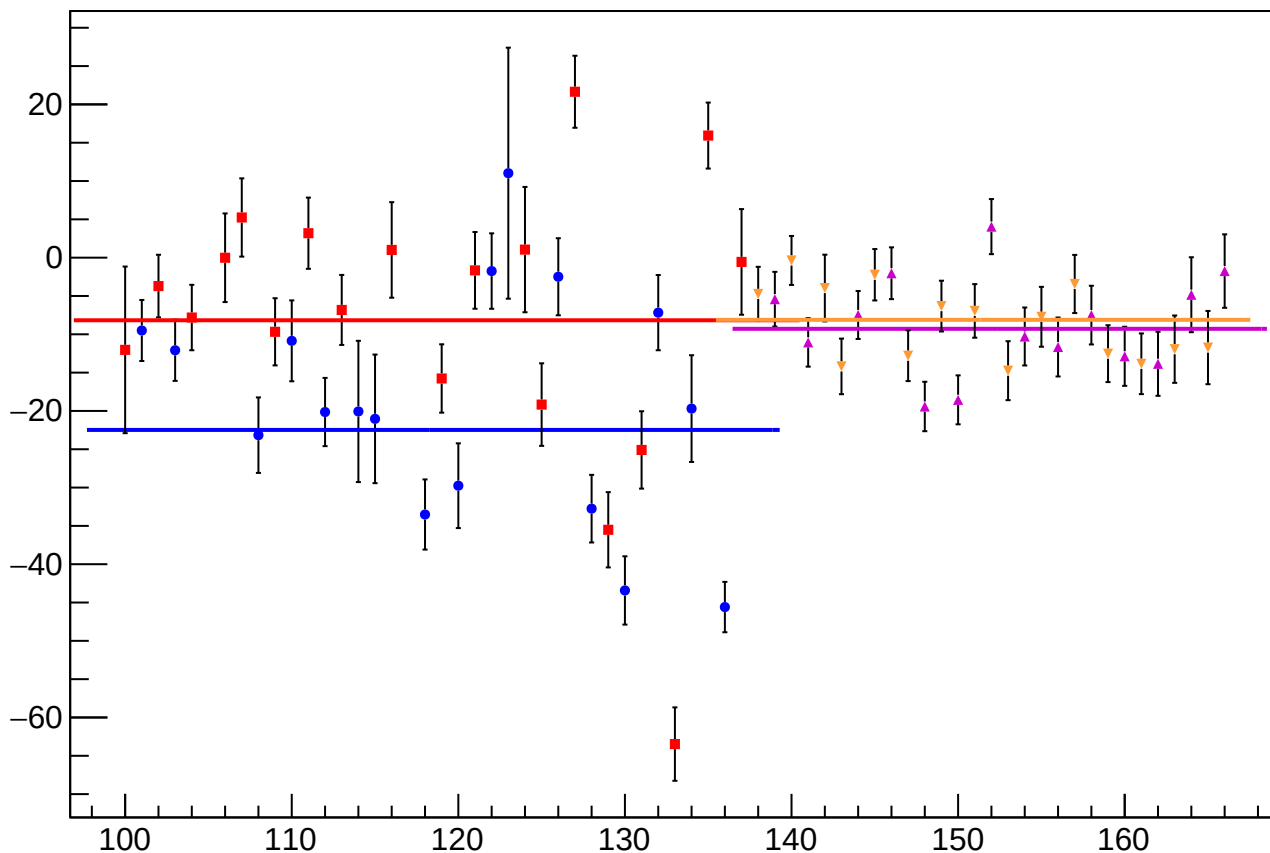
Left In: 1875.811 $\pm$ 0.406 χ^2 /NDF: 178626.2/13

+ sign 1852.449 $\pm$ 0.311 χ^2 /NDF: 290795.0/31

All: 1851.625 $\pm$ 0.220 χ^2 /NDF: 566039.5/64

- sign 1850.806 $\pm$ 0.310 χ^2 /NDF: 275230.6/32

diff_bpm0l01X_mean vs Slug



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

Left Out: -8.111 ± 0.956 χ^2/NDF : 25.3/14

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

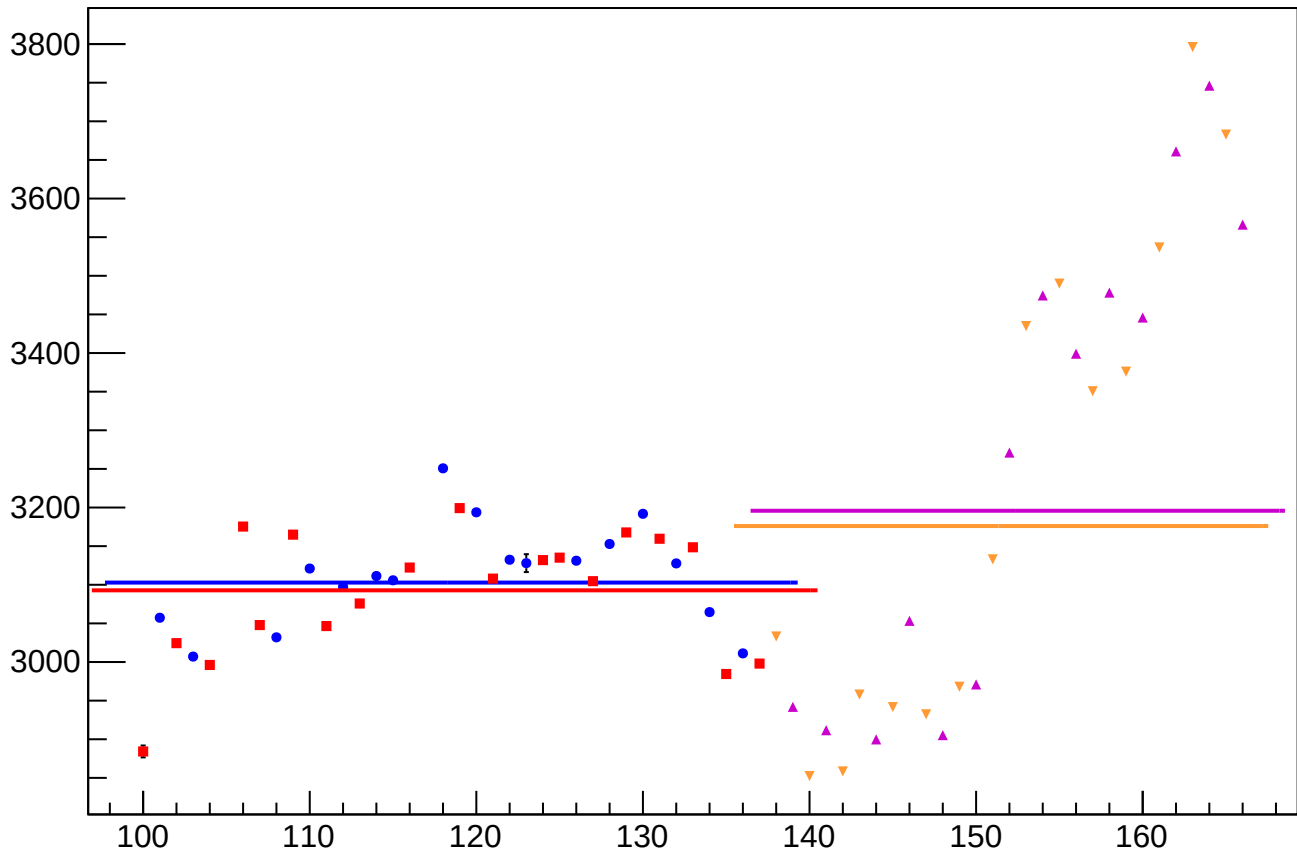
Left In: -9.284 ± 0.974 χ^2/NDF : 44.5/13

+ sign -13.719 ± 0.746 χ^2/NDF : 268.2/31

All: -11.265 ± 0.527 χ^2/NDF : 611.7/64

- sign -8.822 ± 0.745 χ^2/NDF : 322.0/32

diff_bpm0l01X_rms vs Slug



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

Left Out: 3176.024 $\pm$ 0.676 χ^2 /NDF: 181368.6/14

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

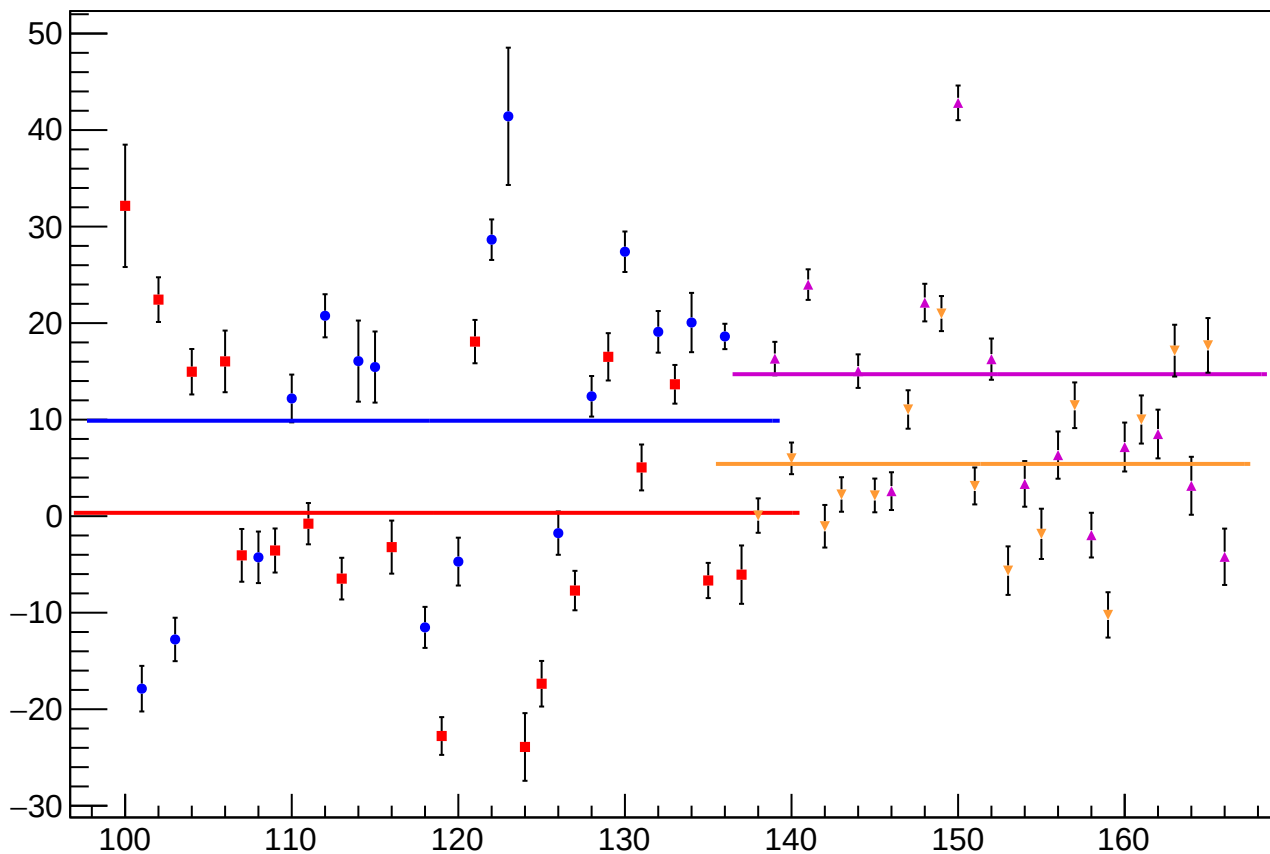
Left In: 3195.823 $\pm$ 0.688 χ^2 /NDF: 172485.7/13

+ sign 3147.457 $\pm$ 0.528 χ^2 /NDF: 193287.8/31

All: 3150.281 $\pm$ 0.373 χ^2 /NDF: 382883.3/64

- sign 3153.093 $\pm$ 0.527 χ^2 /NDF: 189538.3/32

diff_bpm0l01Y_mean vs Slug



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

Left Out: 5.414 ± 0.538 χ^2/NDF : 226.7/14

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

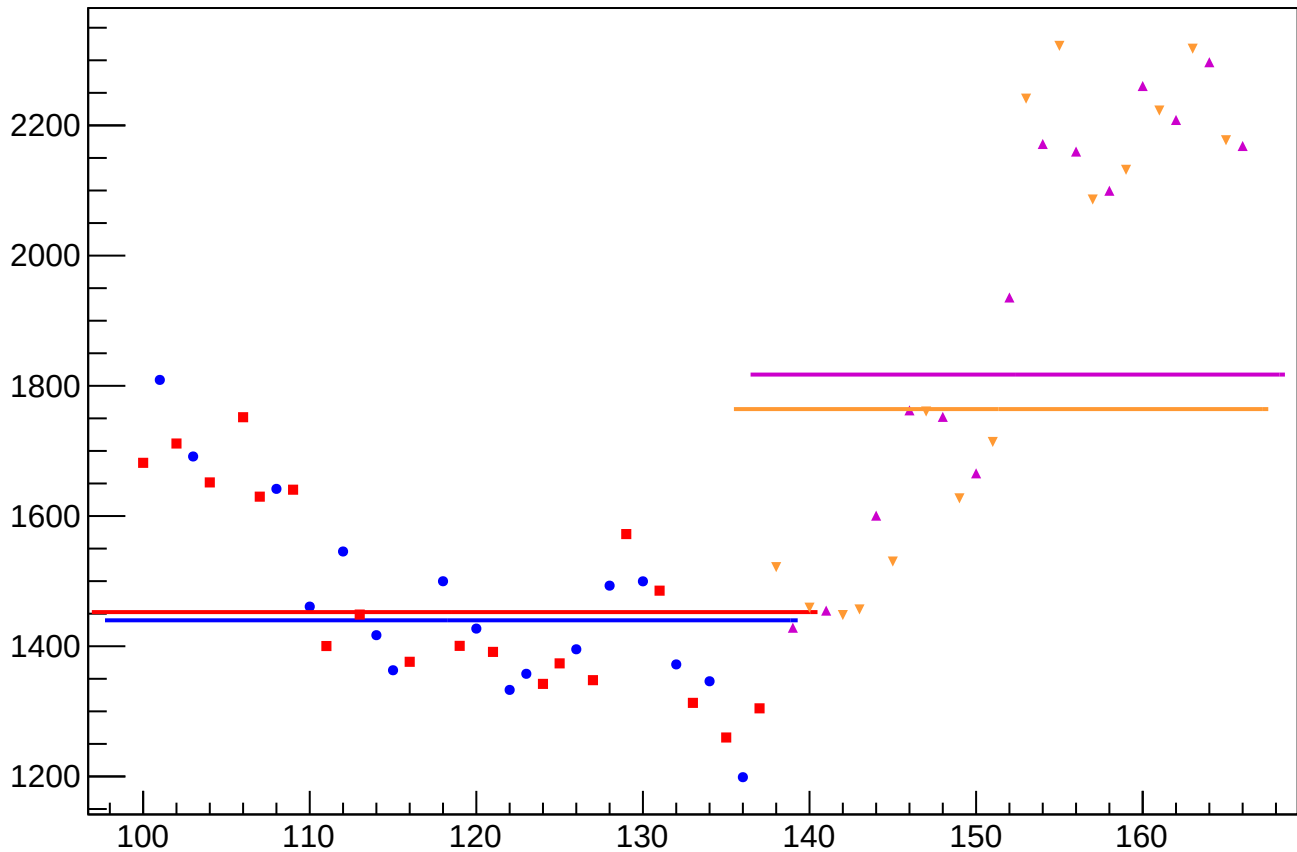
Left In: 14.708 ± 0.560 χ^2/NDF : 492.2/13

+ sign 7.564 ± 0.388 χ^2/NDF : 963.5/31

All: 7.462 ± 0.275 χ^2/NDF : 2421.5/64

- sign 7.358 ± 0.391 χ^2/NDF : 1457.8/32

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1764.263+/-0.381 χ^2/NDF : 700640.9/14

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

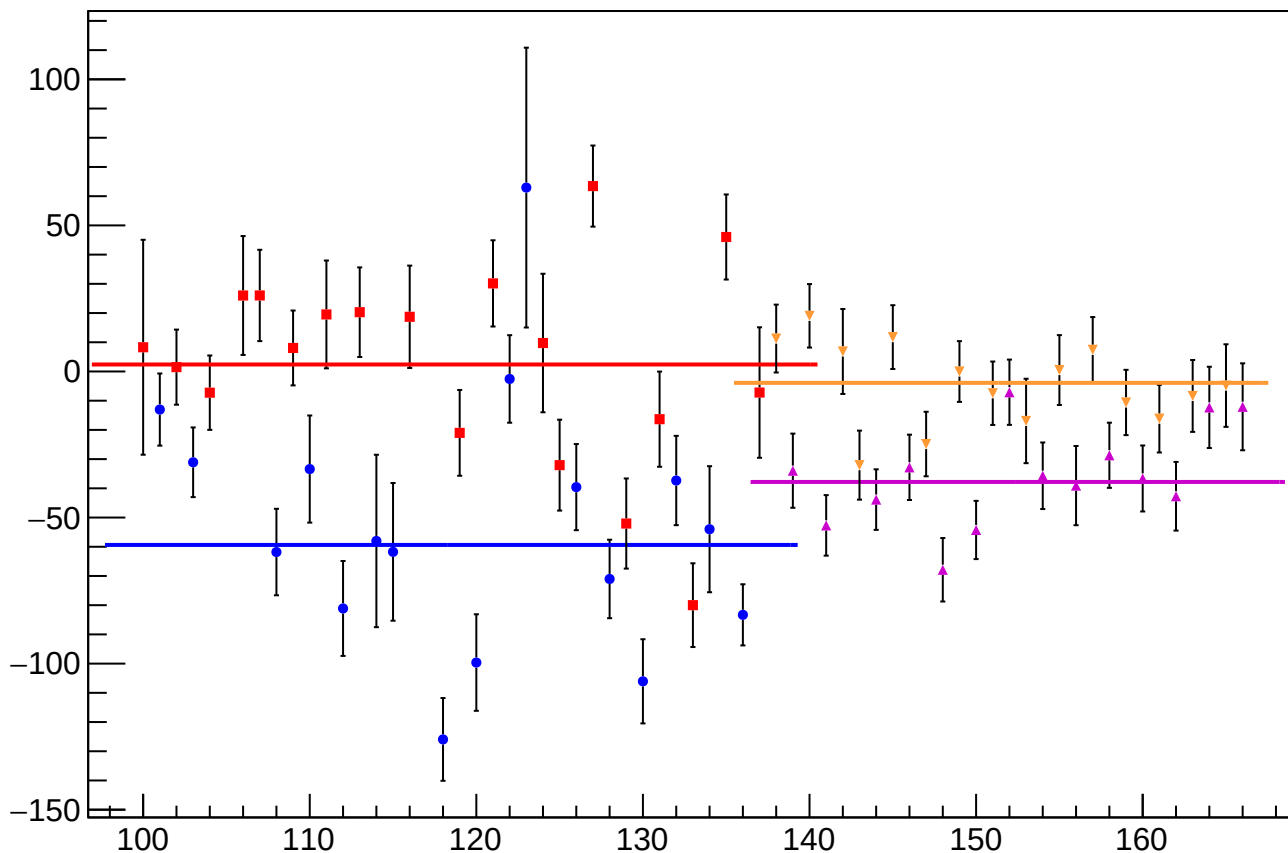
Left In: 1817.274+/-0.396 χ^2/NDF : 563808.8/13

+ sign 1608.313+/-0.274 χ^2/NDF : 1222730.4/31

All: 1619.351+/-0.195 χ^2/NDF : 2362892.4/64

- sign 1630.579+/-0.277 χ^2/NDF : 1136895.1/32

diff_bpm0l02X_mean vs Slug



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

Left Out: -3.895 ± 3.030 χ^2/NDF : 21.9/14

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

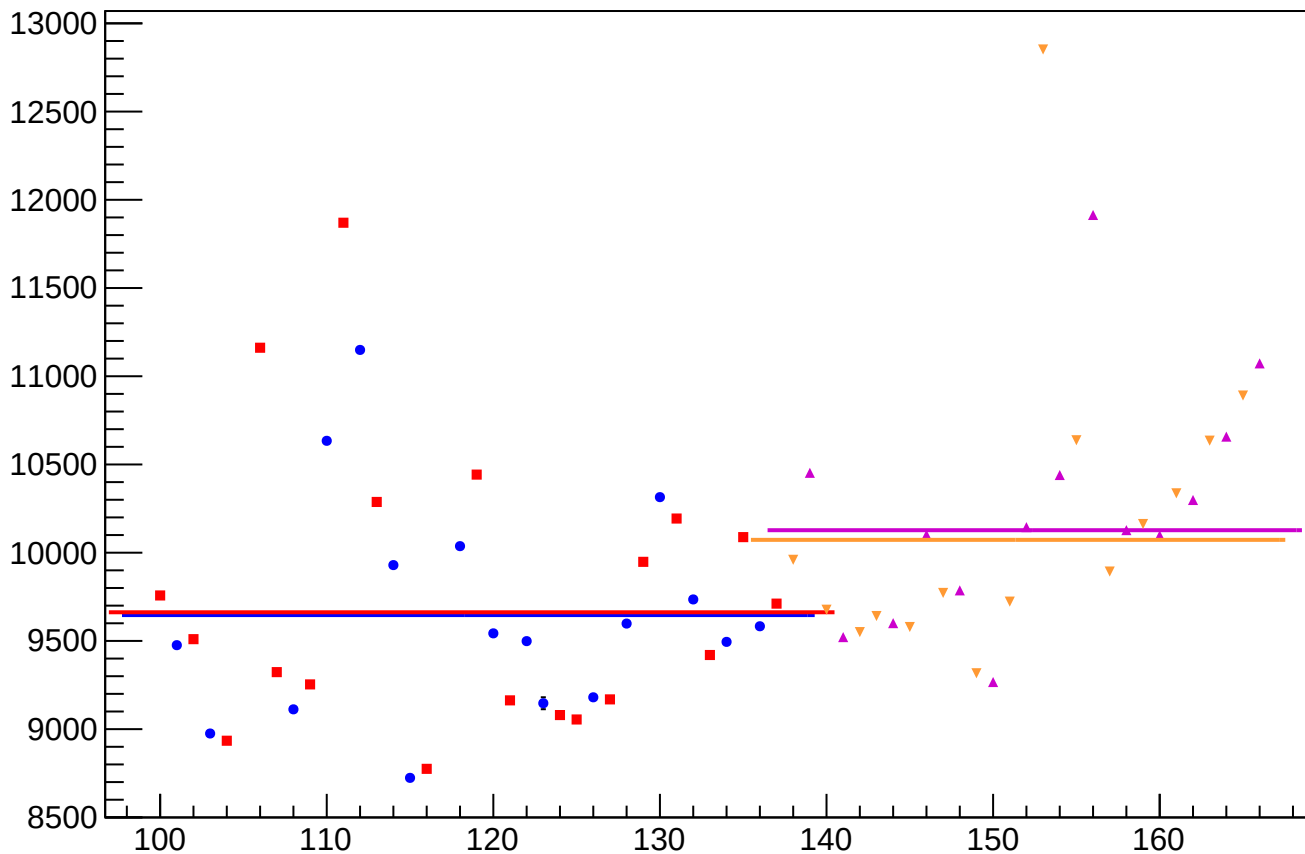
Left In: -37.816 ± 3.081 χ^2/NDF : 27.9/13

+ sign -25.956 ± 2.351 χ^2/NDF : 248.1/31

All: -23.465 ± 1.662 χ^2/NDF : 443.5/64

- sign -20.979 ± 2.349 χ^2/NDF : 193.1/32

diff_bpm0l02X_rms vs Slug



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

Left Out: 10072.778+/-2.142 χ^2/NDF : 117351.1/14

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

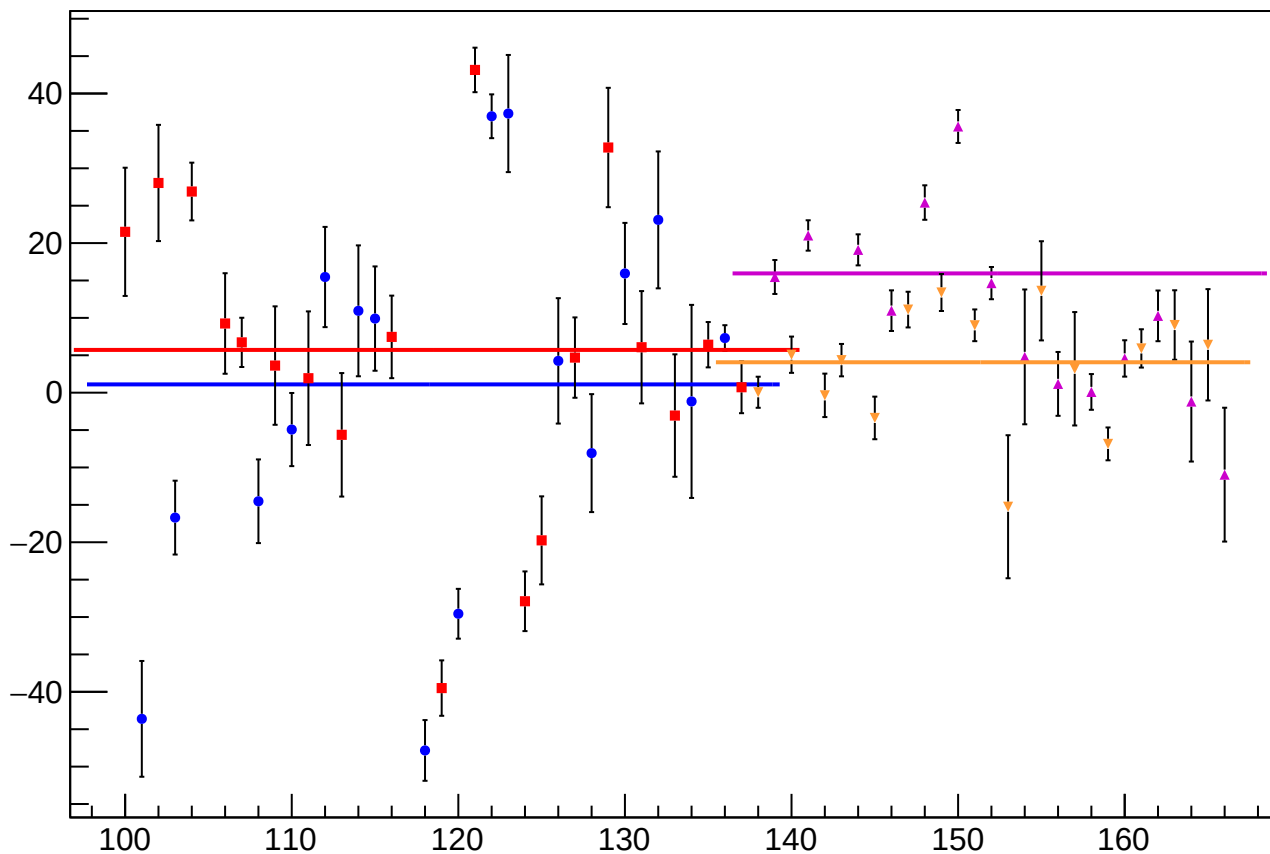
Left In: 10127.495+/-2.179 χ^2/NDF : 77864.8/13

+ sign 9903.267+/-1.663 χ^2/NDF : 177157.5/31

All: 9917.998+/-1.175 χ^2/NDF : 351851.8/64

- sign 9932.700+/-1.661 χ^2/NDF : 174537.5/32

diff_bpm0l02Y_mean vs Slug



Right In: 1.106 ± 1.066 $\chi^2/\text{NDF}: 489.7/16$

Left Out: 4.066 ± 0.727 $\chi^2/\text{NDF}: 74.1/14$

Right Out: 5.716 ± 1.091 $\chi^2/\text{NDF}: 456.0/18$

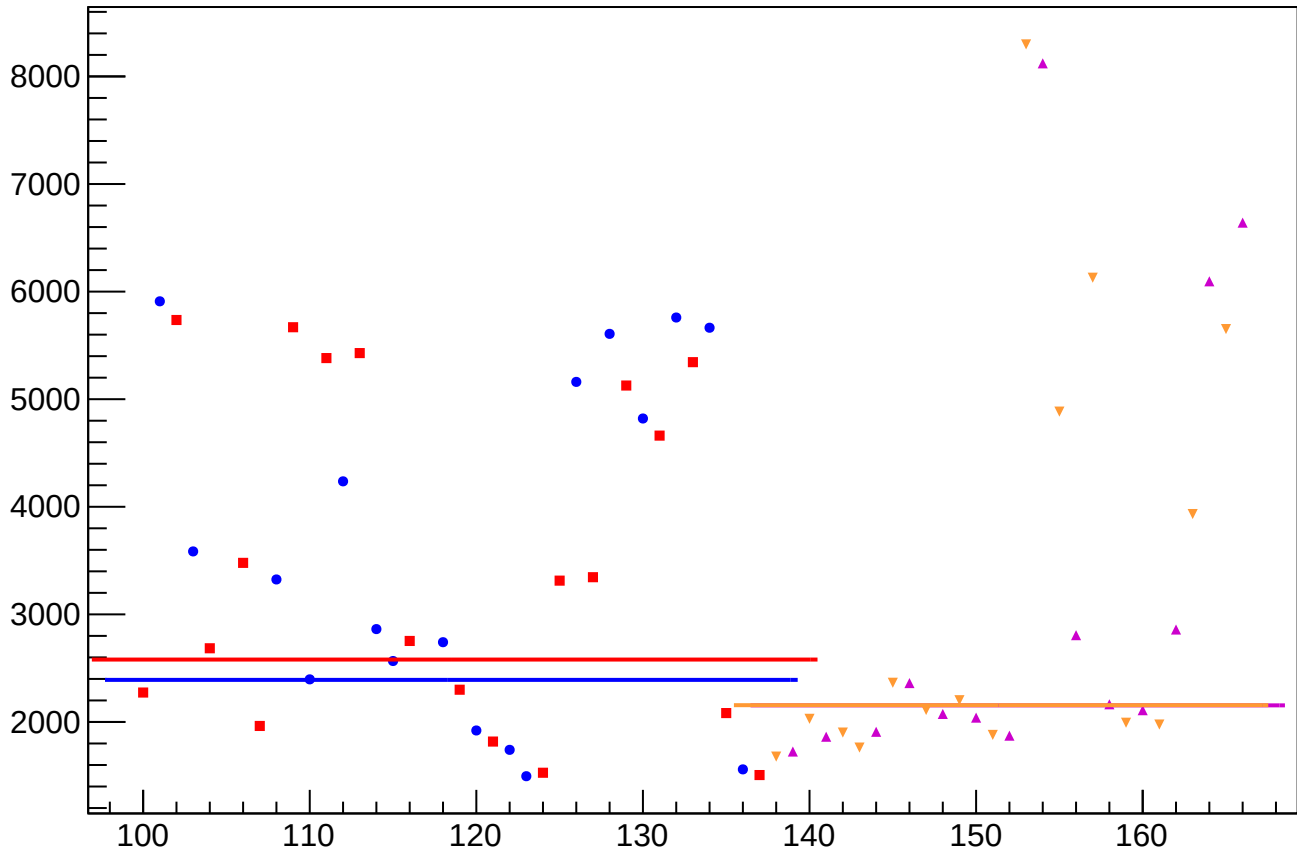
Left In: 15.947 ± 0.718 $\chi^2/\text{NDF}: 204.5/13$

+ sign 3.128 ± 0.601 $\chi^2/\text{NDF}: 569.0/31$

All: 7.999 ± 0.424 $\chi^2/\text{NDF}: 1422.2/64$

- sign 12.856 ± 0.600 $\chi^2/\text{NDF}: 721.8/32$

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2156.011 $\pm$ 0.514 χ^2 /NDF: 2706075.4/14

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

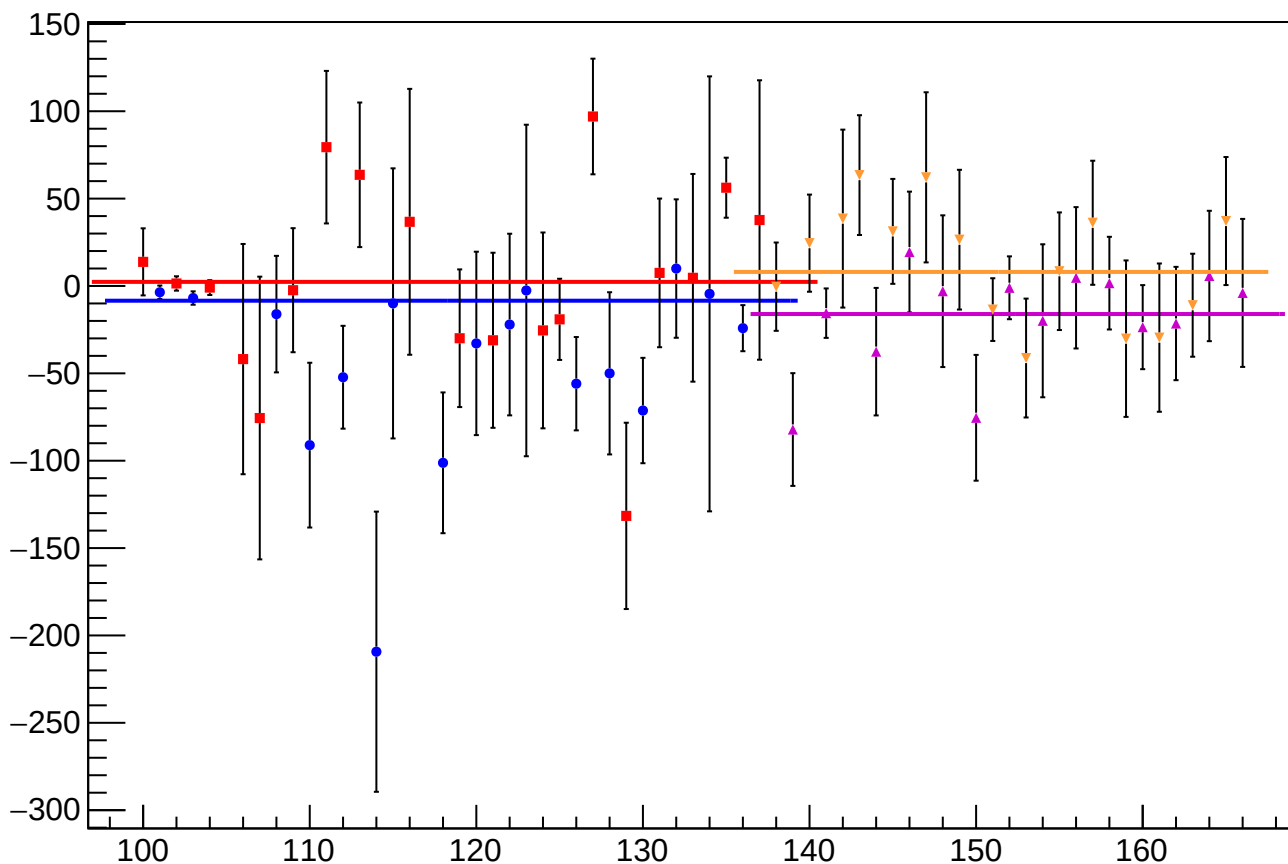
Left In: 2154.356 $\pm$ 0.508 χ^2 /NDF: 2190339.8/13

+ sign 2230.585 $\pm$ 0.425 χ^2 /NDF: 5373022.9/31

All: 2256.809 $\pm$ 0.300 χ^2 /NDF: 10148696.5/6

- sign 2282.960 $\pm$ 0.424 χ^2 /NDF: 4768057.4/32

diff_bpm0l03X_mean vs Slug



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

Left Out: 8.047 ± 8.206 χ^2/NDF : 12.2/14

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

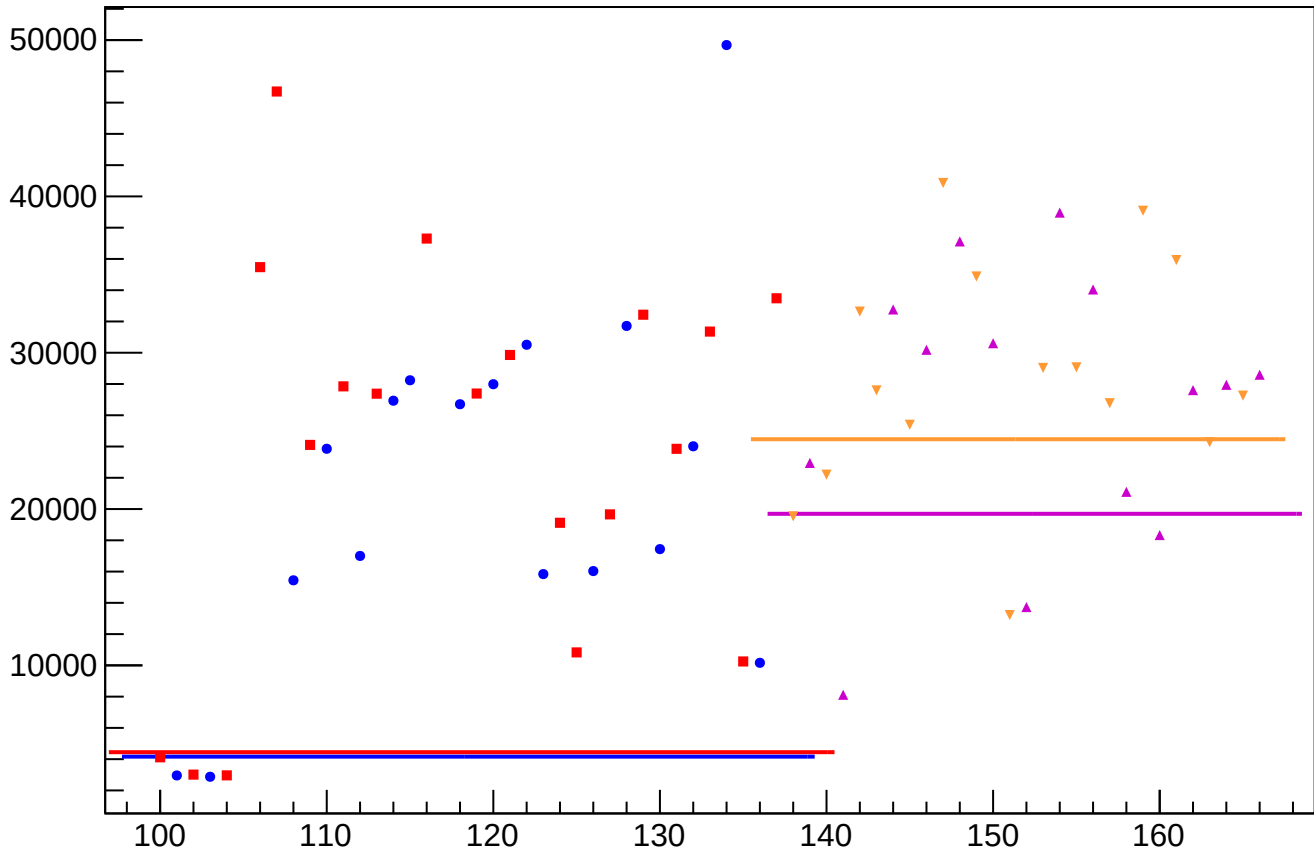
Left In: -16.052 ± 7.363 χ^2/NDF : 10.4/13

+ sign -6.940 ± 2.468 χ^2/NDF : 44.8/31

All: -3.640 ± 1.792 χ^2/NDF : 99.1/64

- sign 0.042 ± 2.606 χ^2/NDF : 50.5/32

diff_bpm0l03X_rms vs Slug



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

Left Out: 24467.509+/-5.802 χ^2/NDF : 1760592.4/14

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

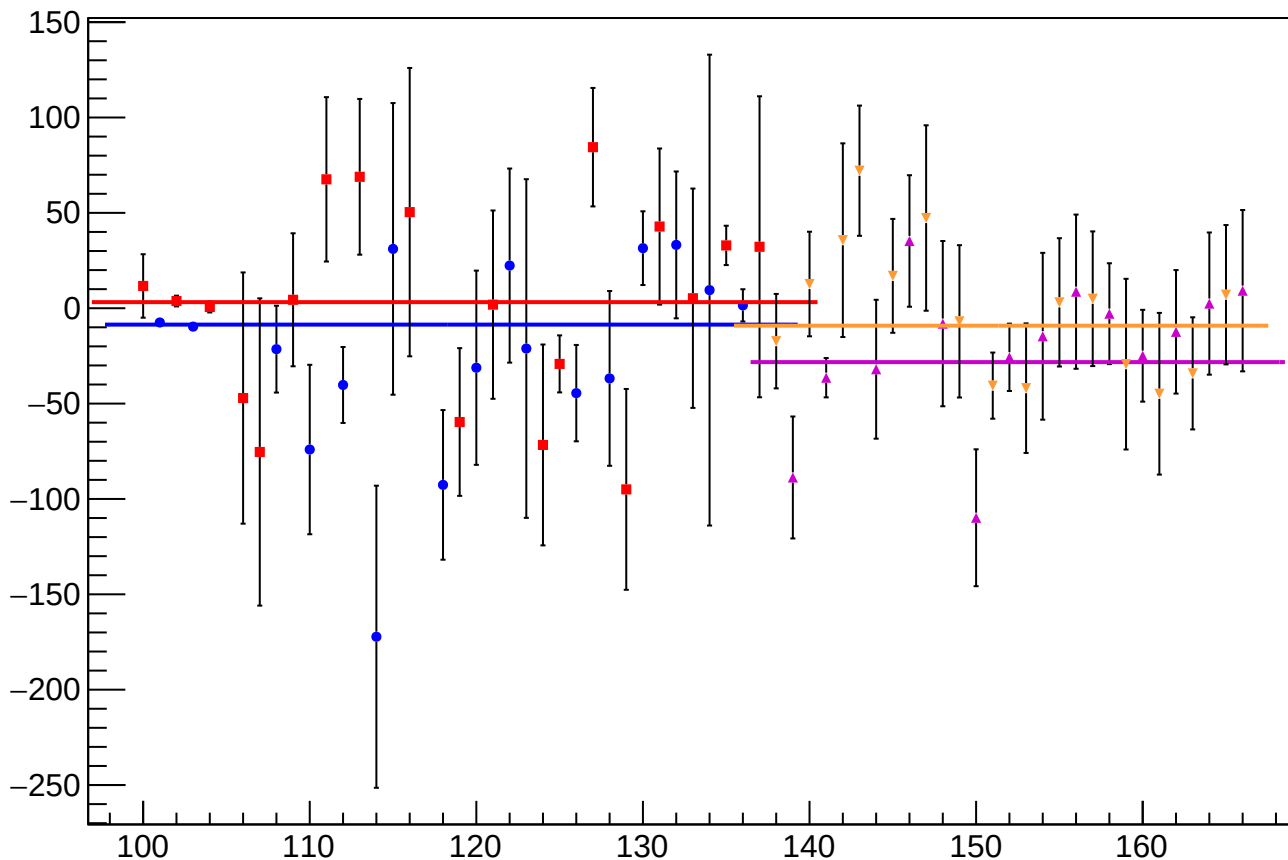
Left In: 19695.604+/-5.206 χ^2/NDF : 3482632.1/13

+ sign 5998.623+/-1.745 χ^2/NDF : 18889682.4/31

All: 6168.516+/-1.267 χ^2/NDF : 37323051.0/6

- sign 6358.045+/-1.843 χ^2/NDF : 18413312.8/32

diff_bpm0l03Y_mean vs Slug



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

Left Out: -9.144 ± 8.106 χ^2/NDF : 15.6/14

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

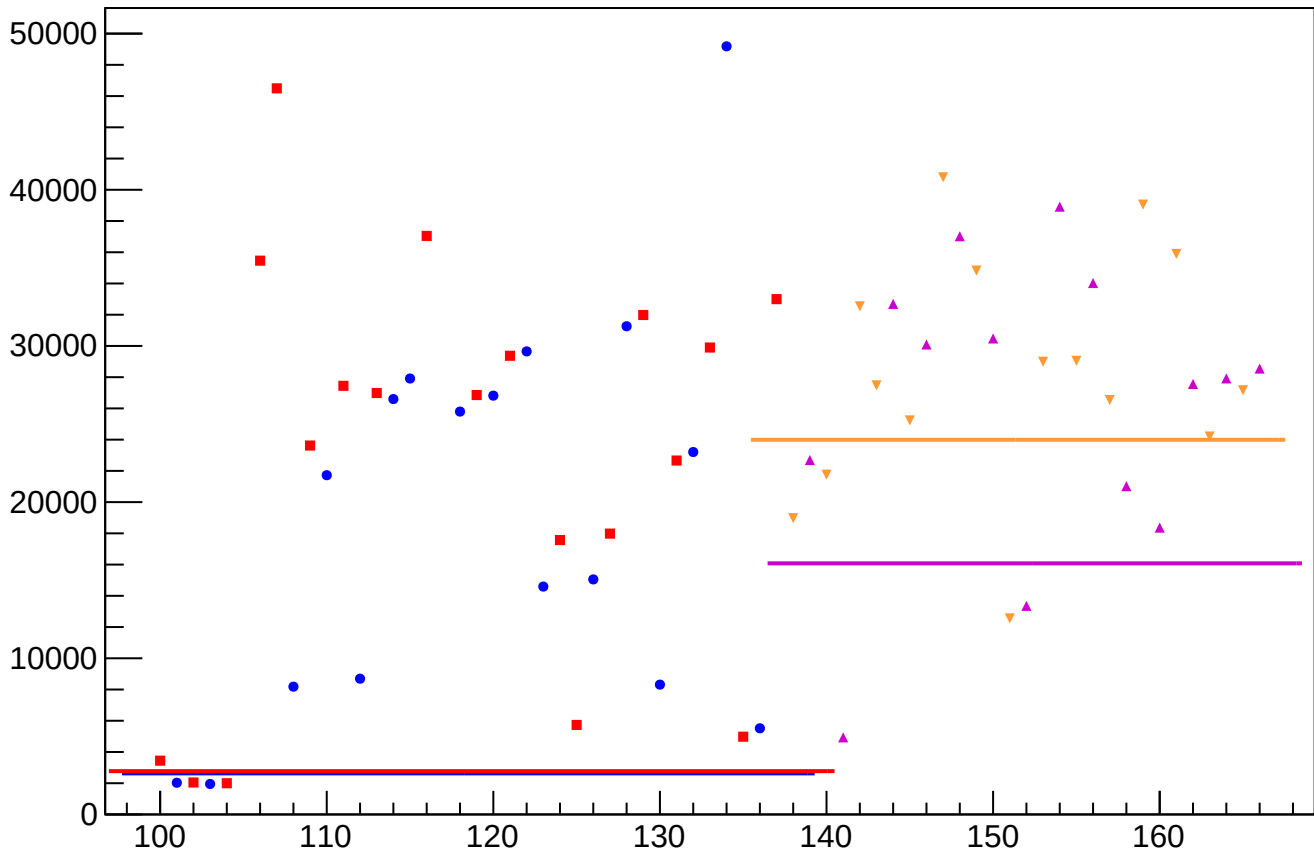
Left In: -28.253 ± 6.591 χ^2/NDF : 16.6/13

+ sign -8.612 ± 1.736 χ^2/NDF : 40.1/31

All: -4.225 ± 1.265 χ^2/NDF : 128.1/64

- sign 0.729 ± 1.845 χ^2/NDF : 74.4/32

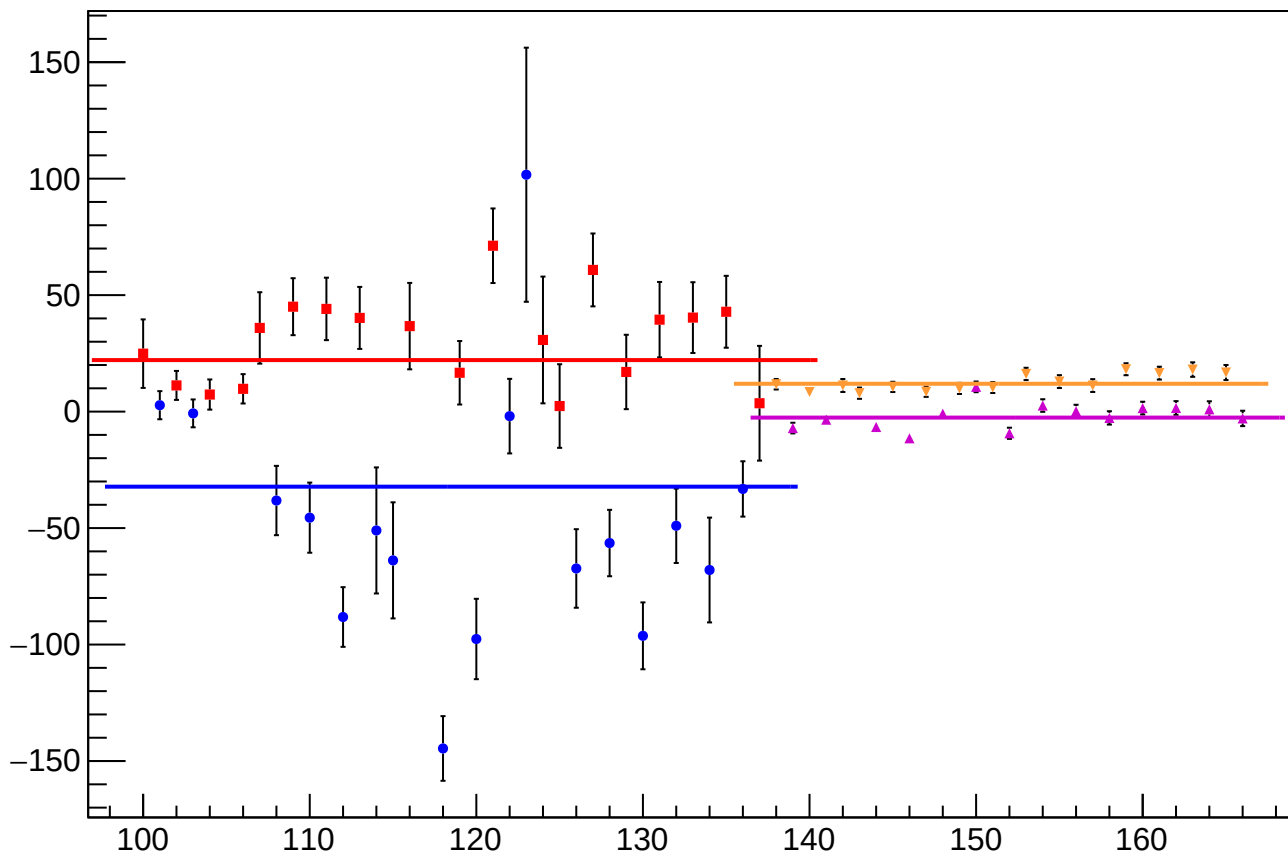
diff_bpm0l03Y_rms vs Slug



Right In: 2630.547 $\pm$ 1.257 χ^2 /NDF: 5588981.6/16
 Left Out: 23992.606 $\pm$ 5.732 χ^2 /NDF: 1930780.0/14
 Right Out: 2773.446 $\pm$ 1.359 χ^2 /NDF: 7835878.7/18
 Left In: 16079.240 $\pm$ 4.661 χ^2 /NDF: 5659730.2/13

+ sign 3610.941 $\pm$ 1.228 χ^2 /NDF: 20773278.5/31
 All: 3707.445 $\pm$ 0.894 χ^2 /NDF: 41793683.7/6
 - sign 3816.431 $\pm$ 1.305 χ^2 /NDF: 21007252.1/32

diff_bpm0l04X_mean vs Slug



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

Left Out: 11.952 ± 0.649 χ^2/NDF : 27.0/14

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

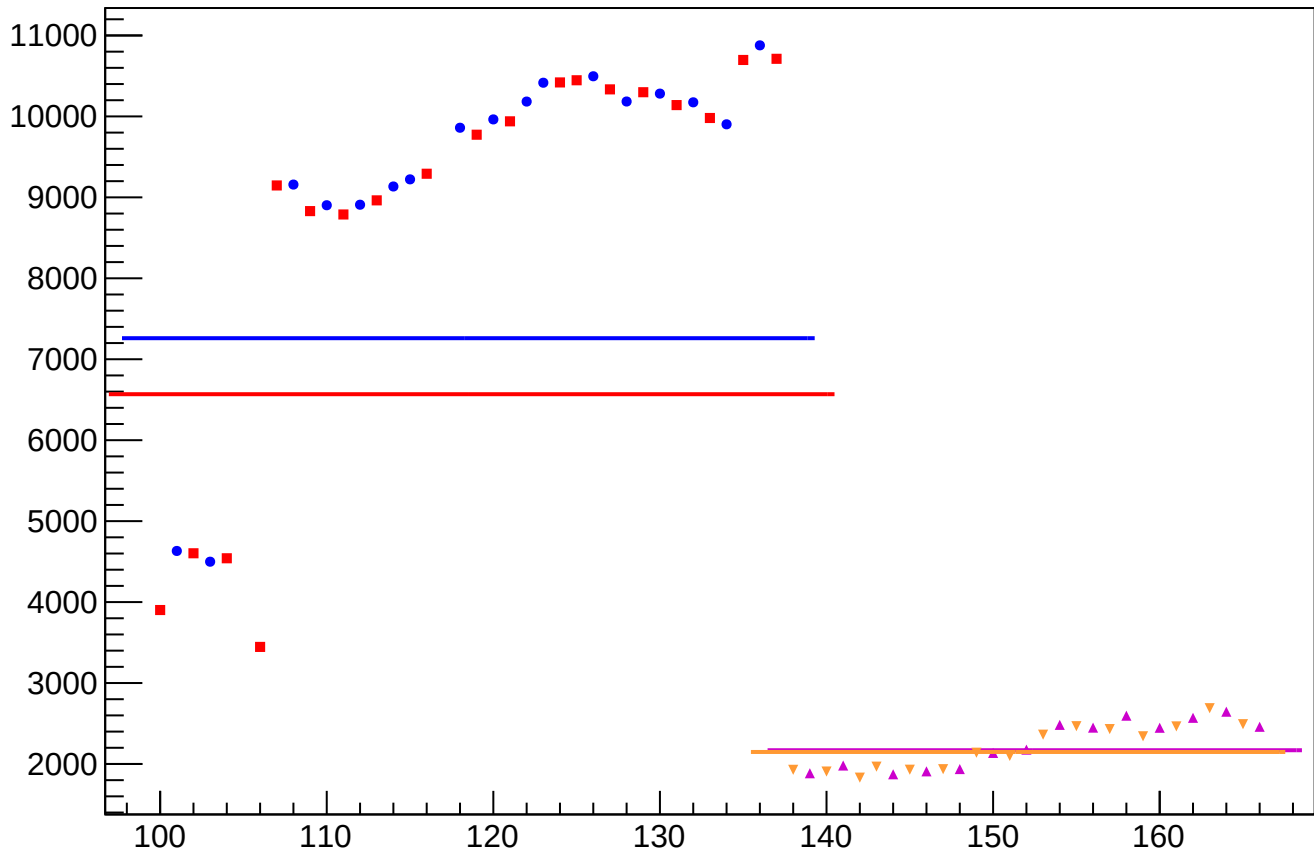
Left In: -2.573 ± 0.664 χ^2/NDF : 77.1/13

+ sign 9.955 ± 0.634 χ^2/NDF : 440.3/31

All: 4.503 ± 0.452 χ^2/NDF : 792.1/64

- sign -1.134 ± 0.644 χ^2/NDF : 201.3/32

diff_bpm0l04X_rms vs Slug



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

Left Out: 2148.299+/-0.459 χ^2/NDF :302607.5/14

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

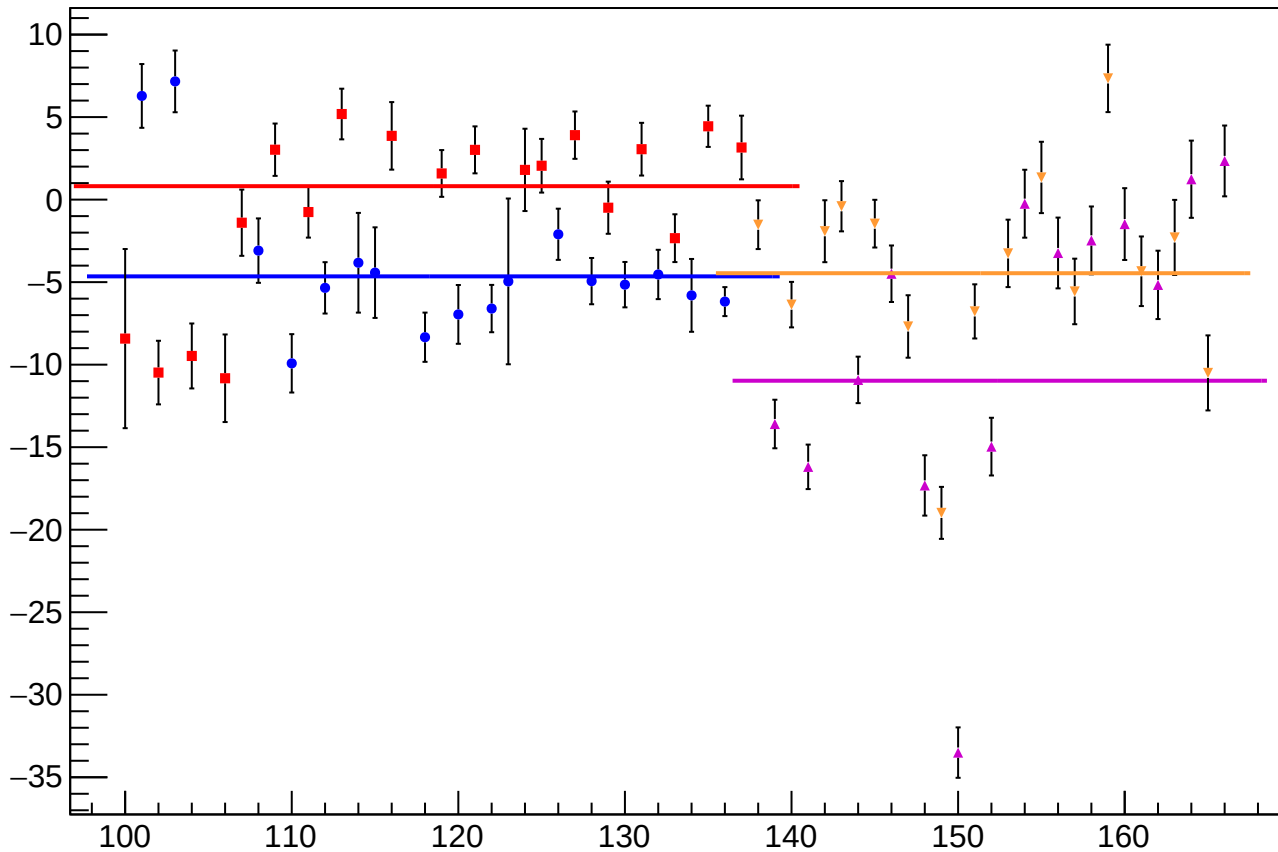
Left In: 2169.737+/-0.470 χ^2/NDF :346510.8/13

+ sign 2379.373+/-0.448 χ^2/NDF : 7552627.4/31

All: 2402.364+/-0.320 χ^2/NDF : 15214883.1/6

- sign 2426.129+/-0.456 χ^2/NDF : 7656905.1/32

diff_bpm0l04Y_mean vs Slug



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

Left Out: -4.459+/-0.457 χ^2 /NDF:158.2/14

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

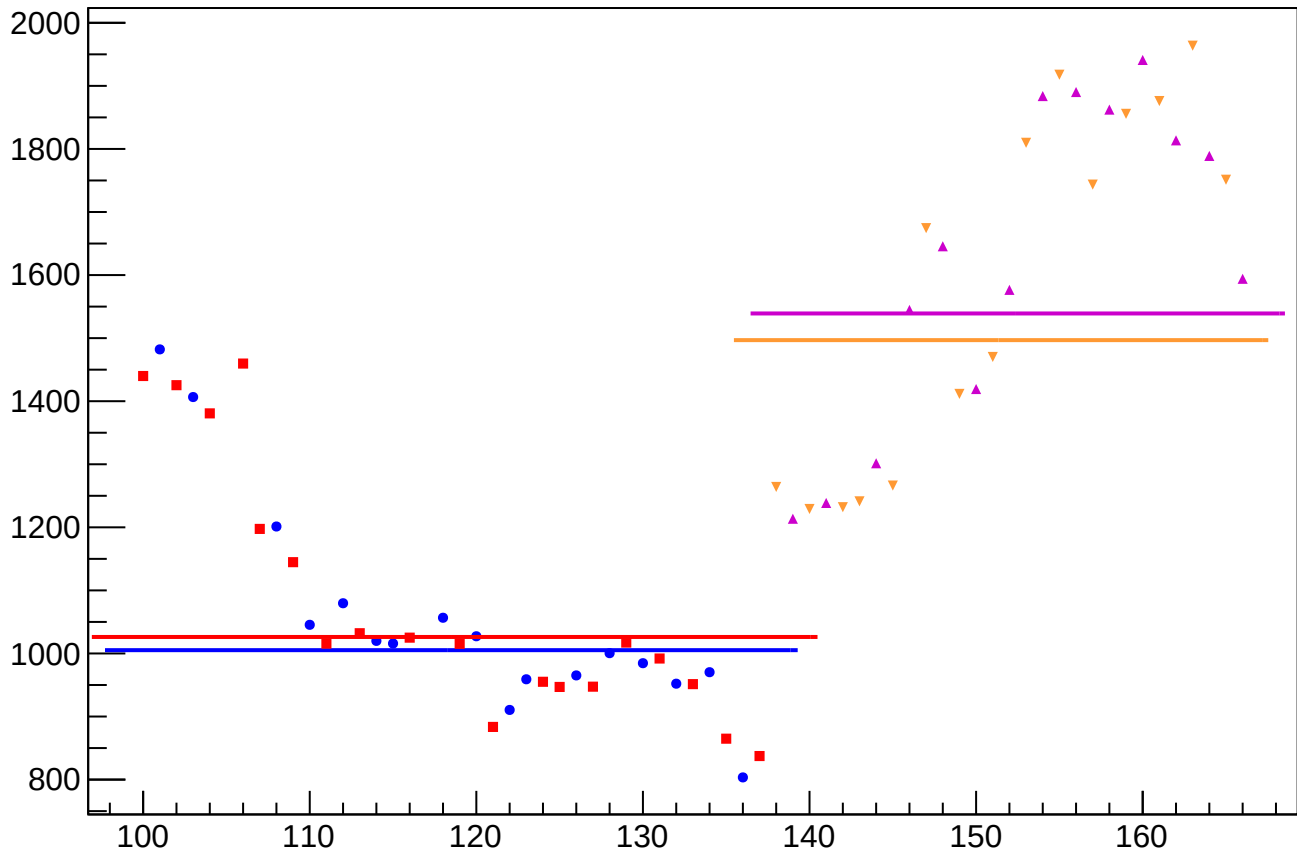
Left In: -10.974+/-0.474 χ^2 /NDF:417.4/13

+ sign -4.569+/-0.298 χ^2 /NDF: 255.9/31

All: -4.248+/-0.212 χ^2 /NDF: 1169.1/64

- sign -3.920+/-0.301 χ^2 /NDF: 910.9/32

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1496.827 $\pm$ 0.323 χ^2 /NDF: 685526.7/14

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

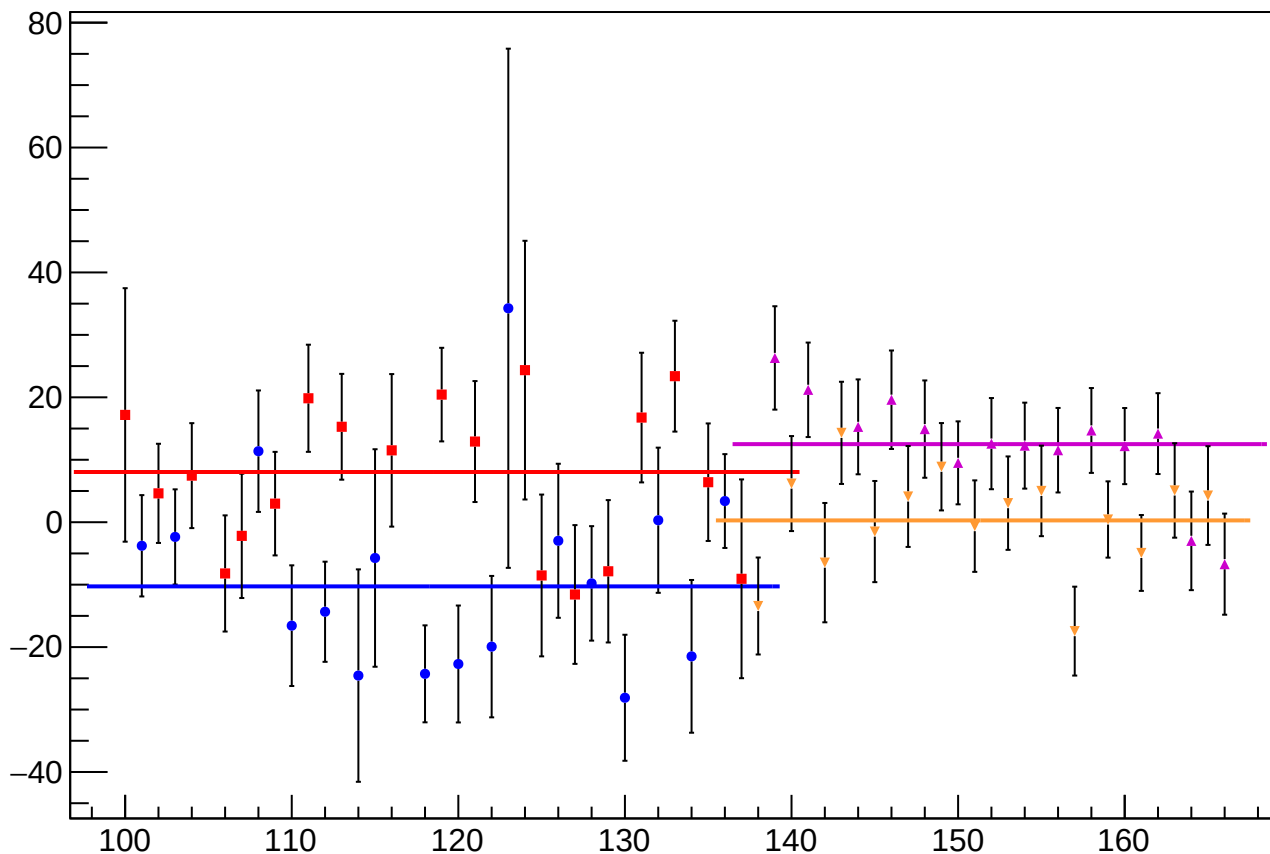
Left In: 1539.123 $\pm$ 0.335 χ^2 /NDF: 560921.0/13

+ sign 1214.065 $\pm$ 0.211 χ^2 /NDF: 2379444.6/31

All: 1223.047 $\pm$ 0.150 χ^2 /NDF: 4677655.3/64

- sign 1232.196 $\pm$ 0.212 χ^2 /NDF: 2294537.1/32

diff_bpm0l05X_mean vs Slug



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

Left Out: 0.288 ± 1.912 χ^2/NDF : 17.1/14

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

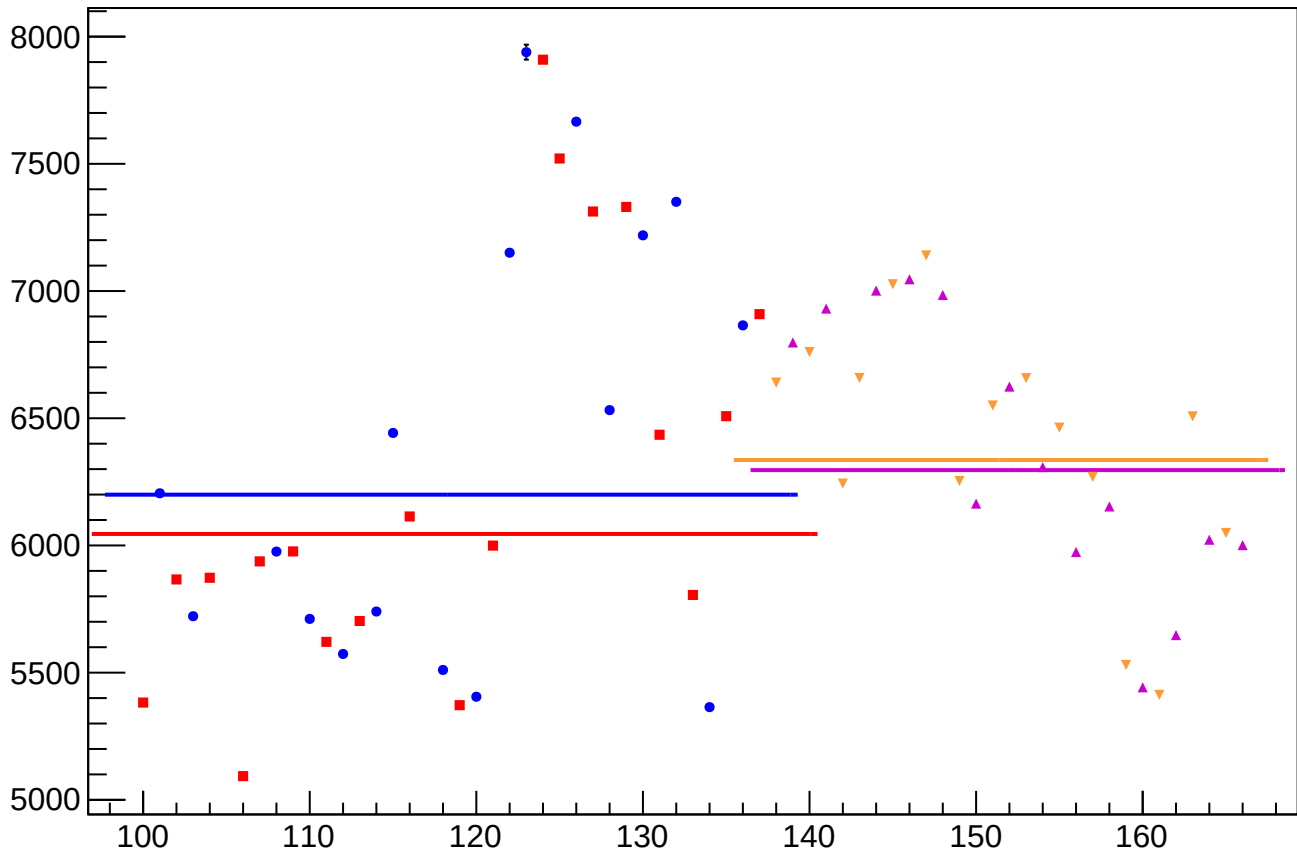
Left In: 12.504 ± 1.924 χ^2/NDF : 15.0/13

+ sign -3.798 ± 1.497 χ^2/NDF : 52.4/31

All: 3.556 ± 1.049 χ^2/NDF : 139.8/64

- sign 10.645 ± 1.470 χ^2/NDF : 40.0/32

diff_bpm0l05X_rms vs Slug



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

Left Out: 6335.835 $\pm$ 1.352 χ^2 /NDF:138094.8/14

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

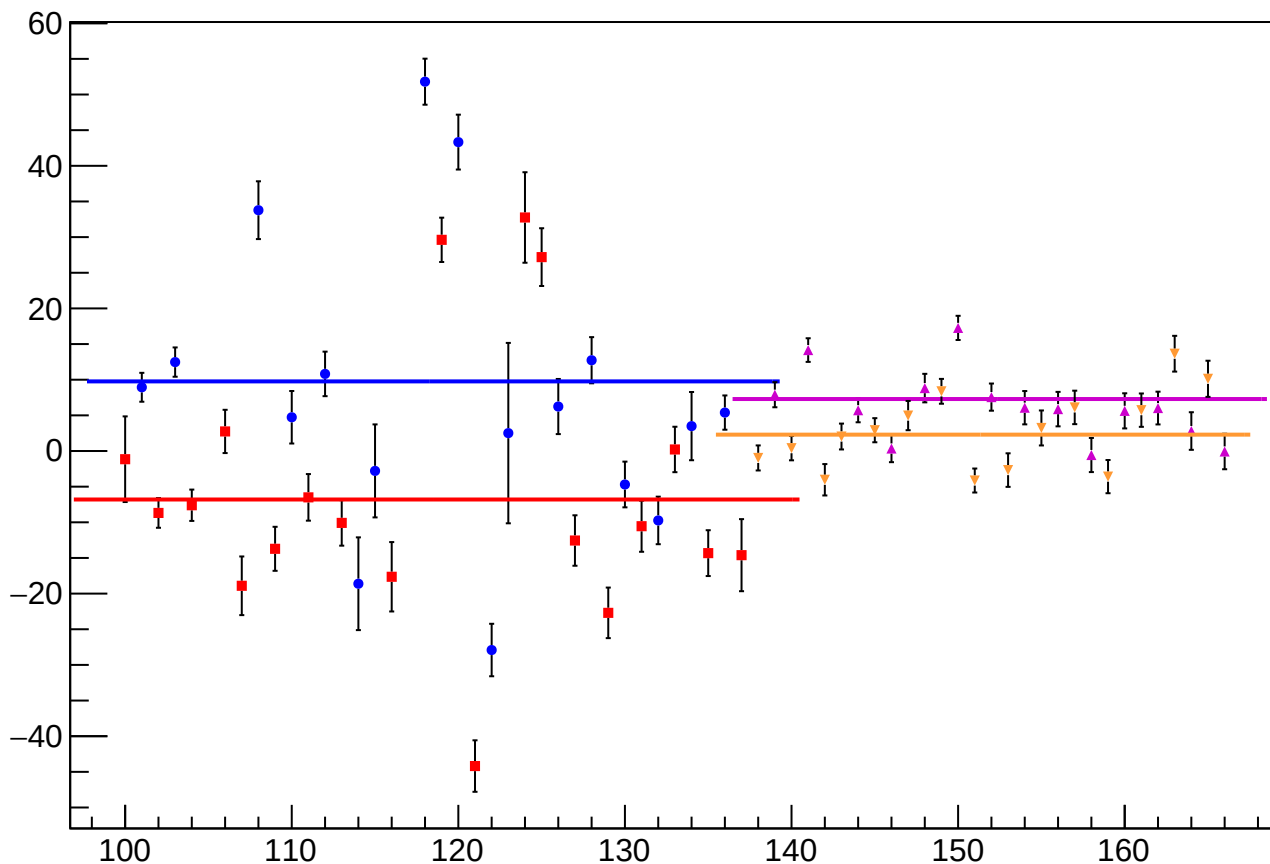
Left In: 6296.150 $\pm$ 1.361 χ^2 /NDF:146995.2/13

+ sign 6283.148 $\pm$ 1.059 χ^2 /NDF: 313780.4/31

All: 6236.559 $\pm$ 0.742 χ^2 /NDF: 637064.3/64

- sign 6191.651 $\pm$ 1.040 χ^2 /NDF: 319481.8/32

diff_bpm0l05Y_mean vs Slug



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

Left Out: 2.295 ± 0.523 χ^2/NDF : 87.5/14

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

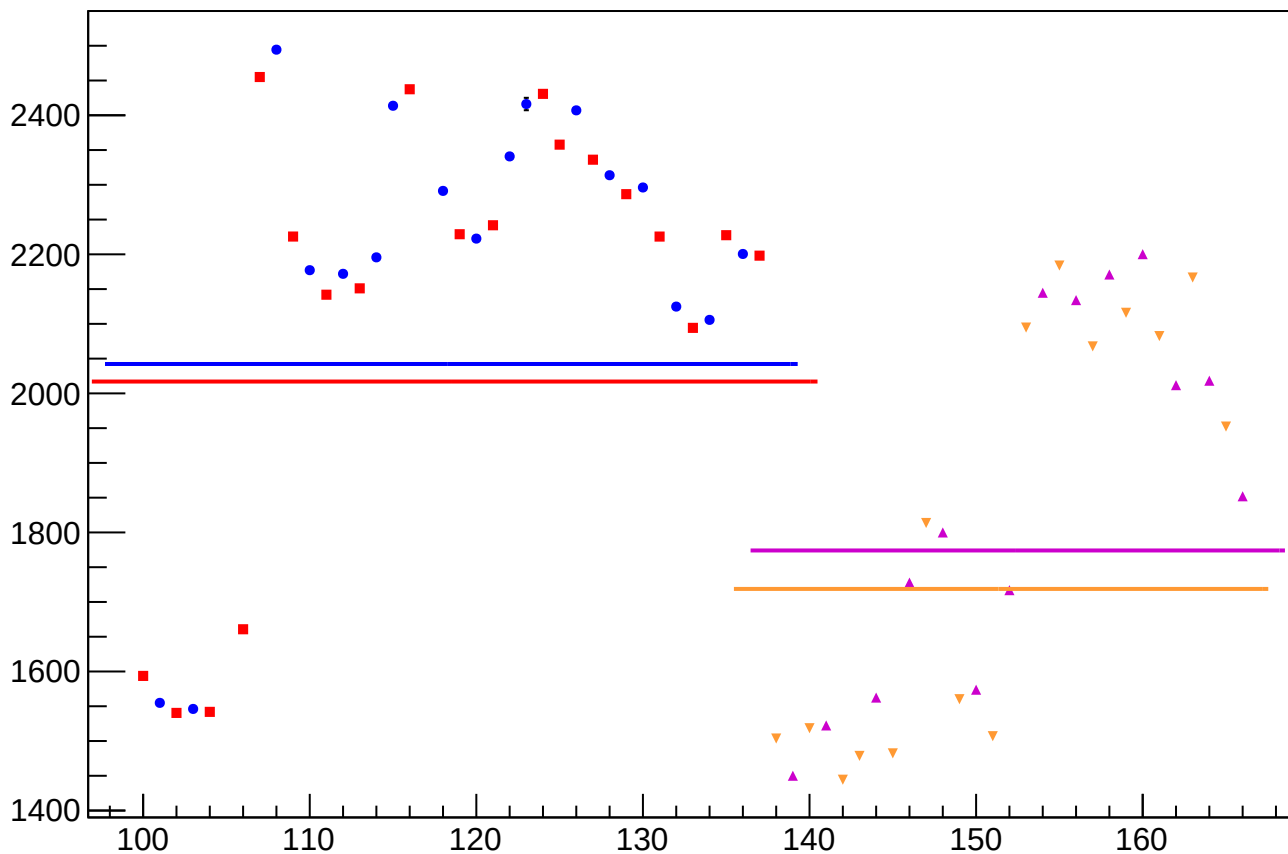
Left In: 7.291 ± 0.545 χ^2/NDF : 90.2/13

+ sign 4.542 ± 0.437 χ^2/NDF : 622.7/31

All: 3.560 ± 0.311 χ^2/NDF : 1370.2/64

- sign 2.548 ± 0.444 χ^2/NDF : 737.3/32

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1718.759 $\pm$ 0.370 χ^2 /NDF: 569873.9/14

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

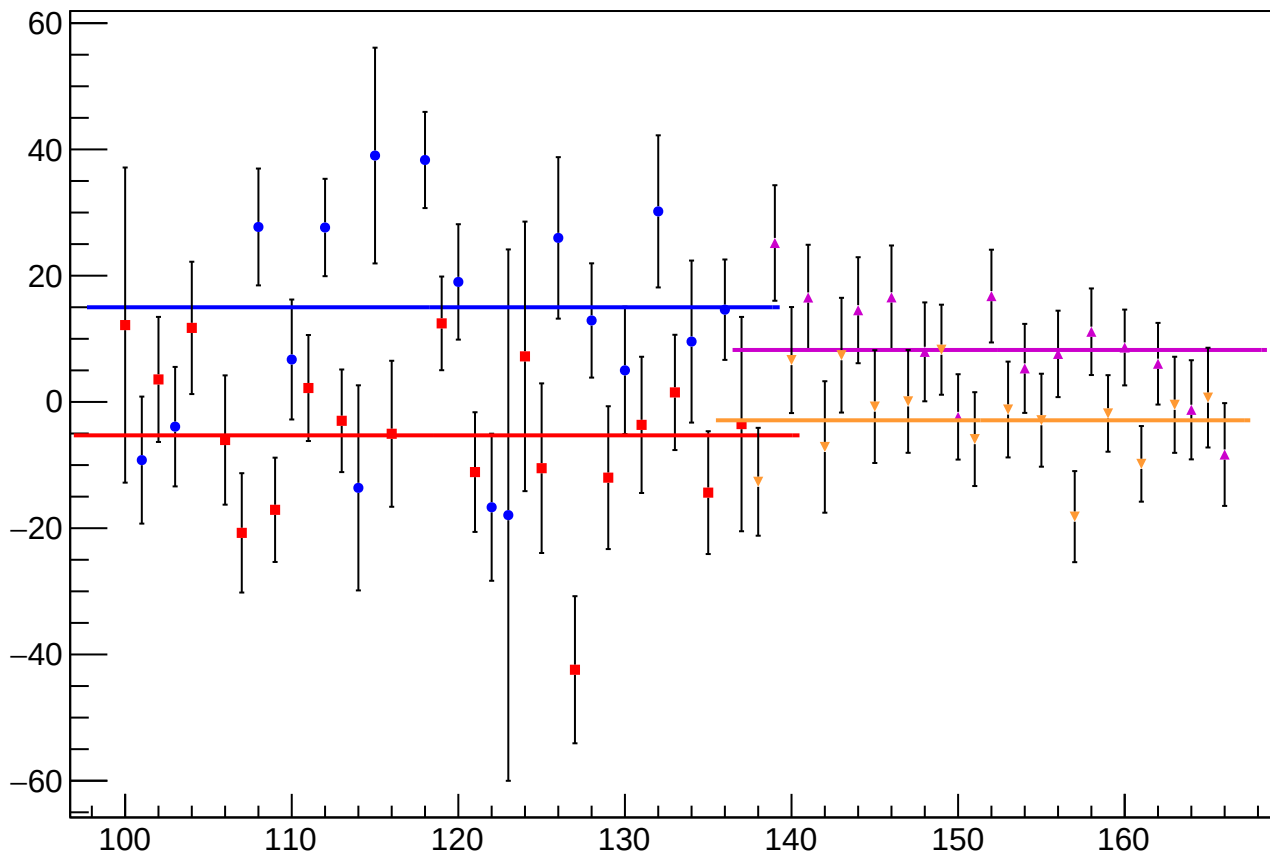
Left In: 1774.067 $\pm$ 0.385 χ^2 /NDF: 426528.4/13

+ sign 1816.092 $\pm$ 0.309 χ^2 /NDF: 1157166.1/31

All: 1835.668 $\pm$ 0.220 χ^2 /NDF: 2101388.3/64

- sign 1855.841 $\pm$ 0.314 χ^2 /NDF: 936075.5/32

diff_bpm0l06X_mean vs Slug



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

Left Out: -2.908 ± 1.969 $\chi^2/\text{NDF}: 13.1/14$

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

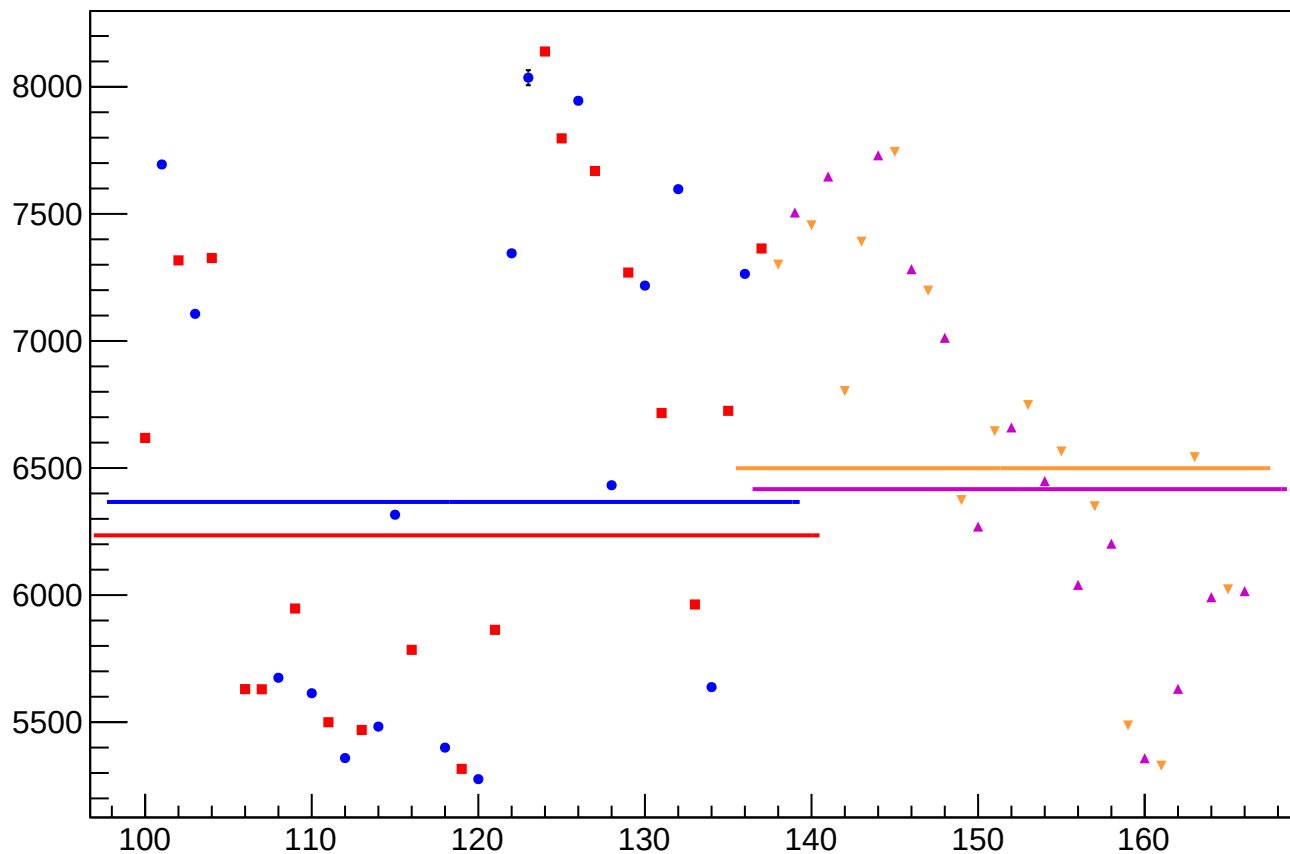
Left In: 8.234 ± 1.970 $\chi^2/\text{NDF}: 15.9/13$

+ sign 3.996 ± 1.543 $\chi^2/\text{NDF}: 86.3/31$

All: 3.321 ± 1.080 $\chi^2/\text{NDF}: 150.0/64$

- sign 2.672 ± 1.512 $\chi^2/\text{NDF}: 63.3/32$

diff_bpm0l06X_rms vs Slug



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

Left Out: 6499.388+/-1.392 χ^2/NDF : 262017.5/14

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

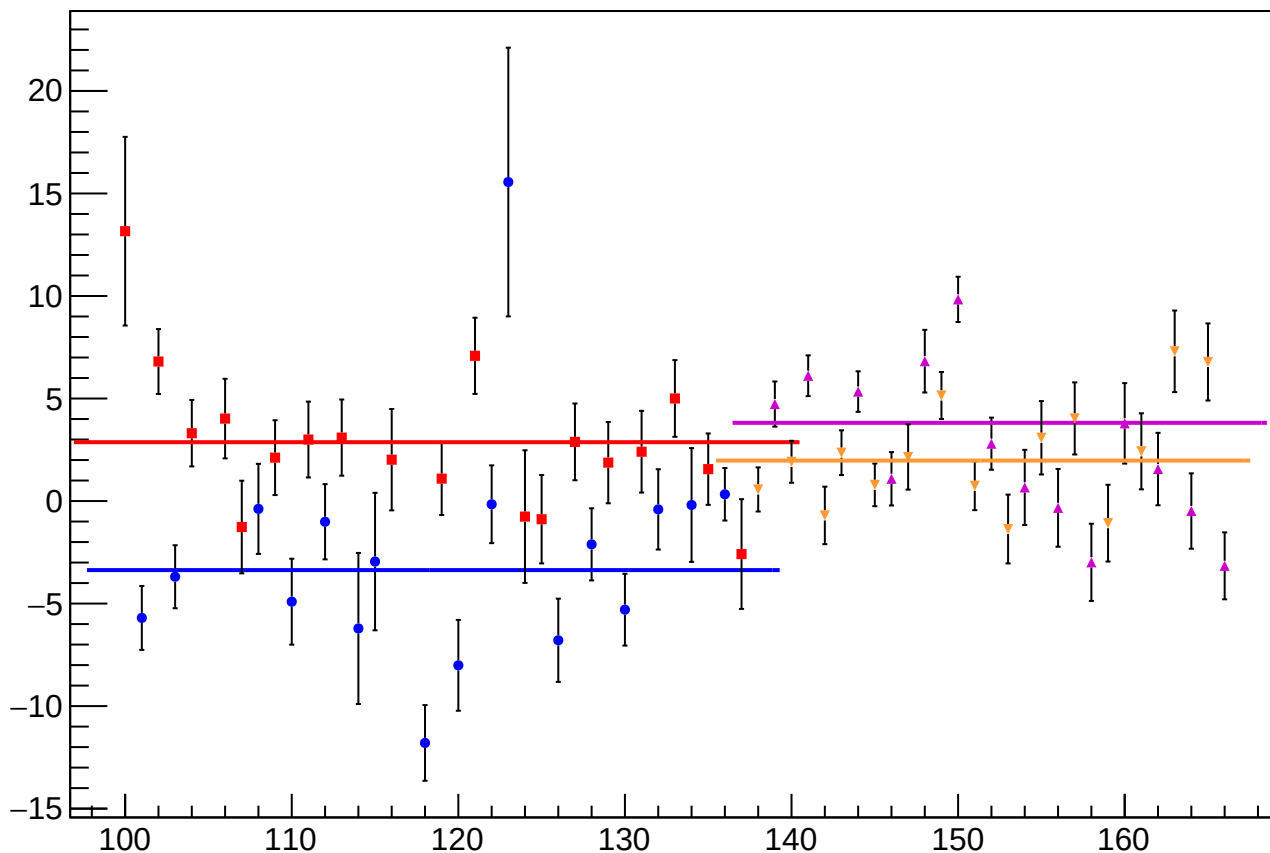
Left In: 6416.942+/-1.393 χ^2/NDF : 268101.6/13

+ sign 6448.141+/-1.091 χ^2/NDF : 552025.5/31

All: 6394.074+/-0.764 χ^2/NDF : 1075141.5/64

- sign 6342.202+/-1.069 χ^2/NDF : 518306.4/32

diff_bpm0l06Y_mean vs Slug



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

Left Out: 1.974 ± 0.352 $\chi^2/\text{NDF}: 37.7/14$

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

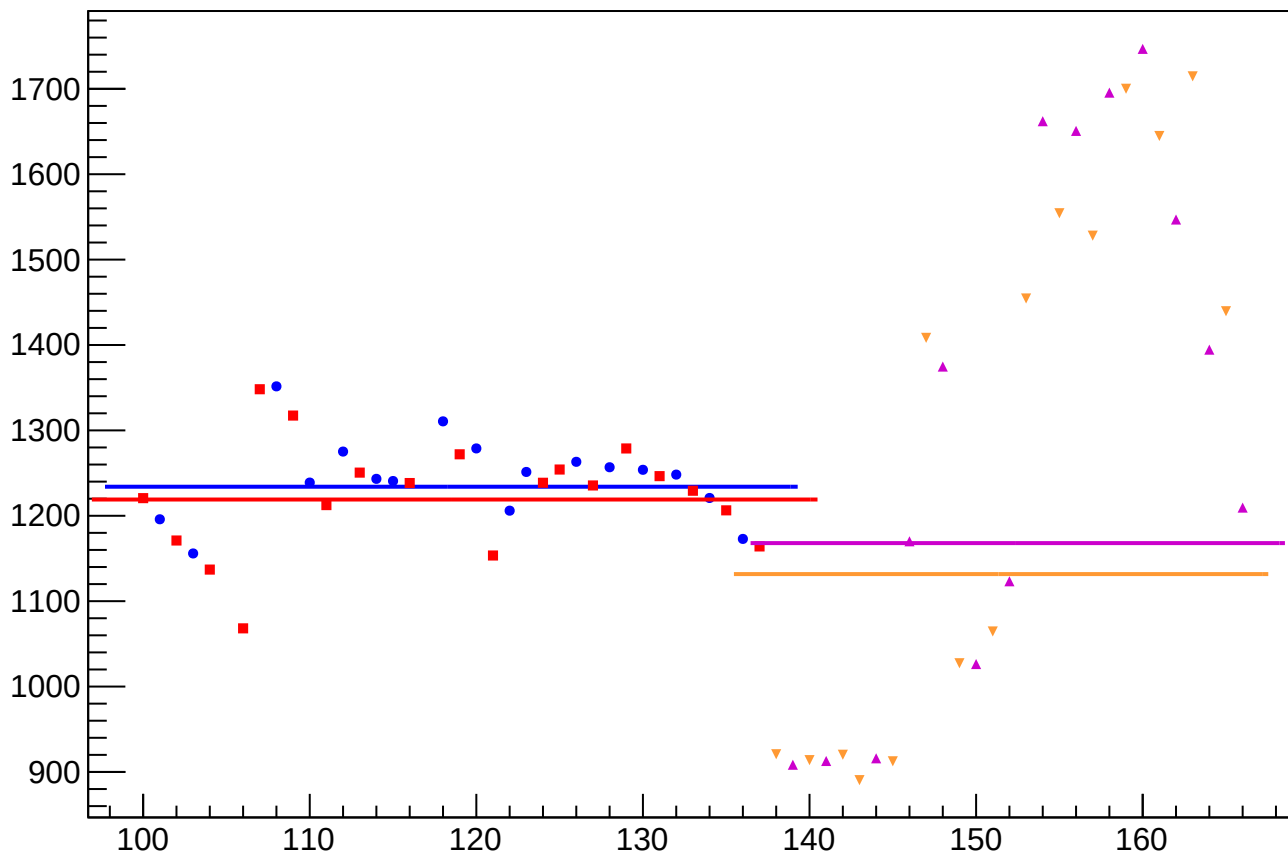
Left In: 3.815 ± 0.367 $\chi^2/\text{NDF}: 93.2/13$

+ sign 0.080 ± 0.283 $\chi^2/\text{NDF}: 179.0/31$

All: 1.745 ± 0.201 $\chi^2/\text{NDF}: 376.8/64$

- sign 3.444 ± 0.286 $\chi^2/\text{NDF}: 127.9/32$

diff_bpm0l06Y_rms vs Slug



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

Left Out: 1131.722+/-0.249 χ^2/NDF : 1332871.0/14

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

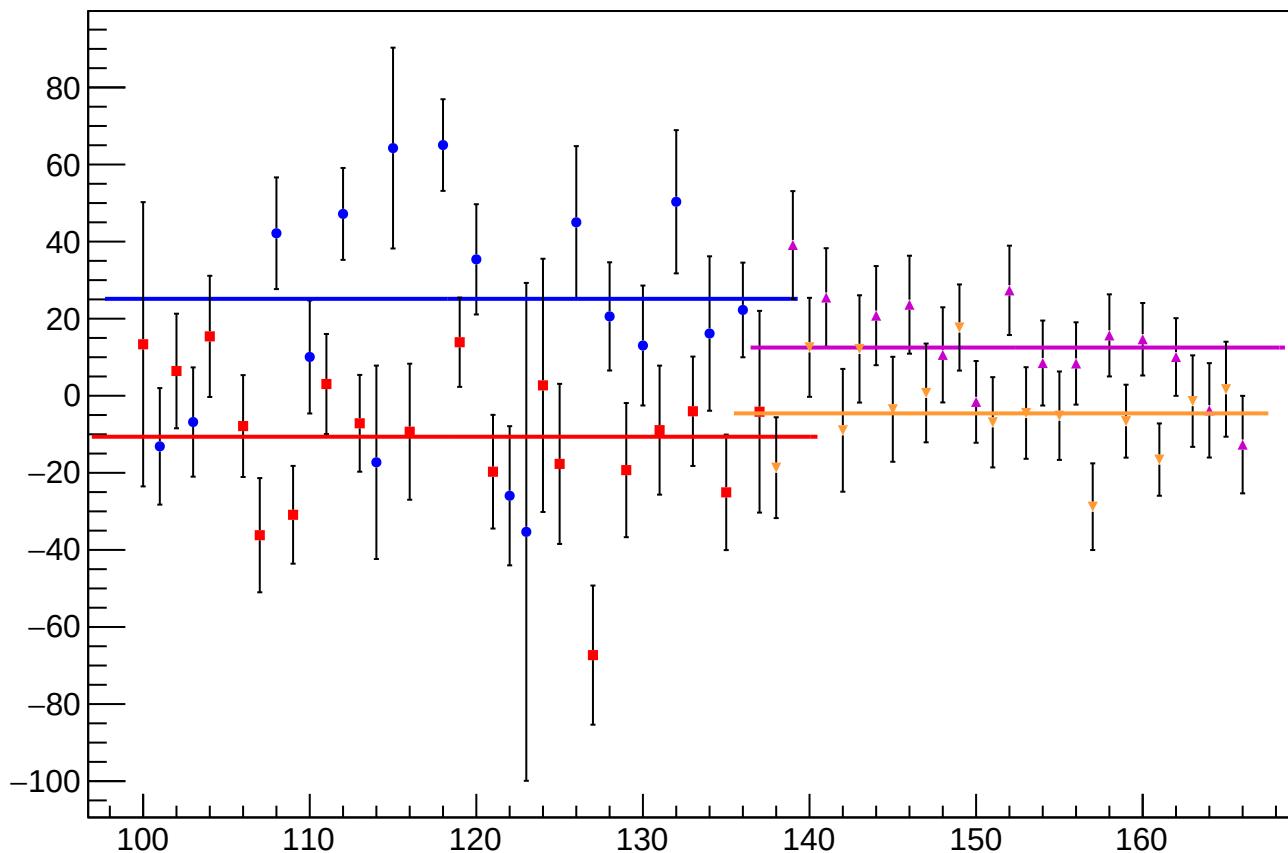
Left In: 1168.005+/-0.259 χ^2/NDF : 1174616.6/13

+ sign 1167.983+/-0.200 χ^2/NDF : 1416204.3/31

All: 1177.910+/-0.142 χ^2/NDF : 2651352.0/64

- sign 1188.038+/-0.202 χ^2/NDF : 1230179.1/32

diff_bpm0l07X_mean vs Slug



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

Left Out: -4.577 ± 3.063 $\chi^2/\text{NDF}: 15.3/14$

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

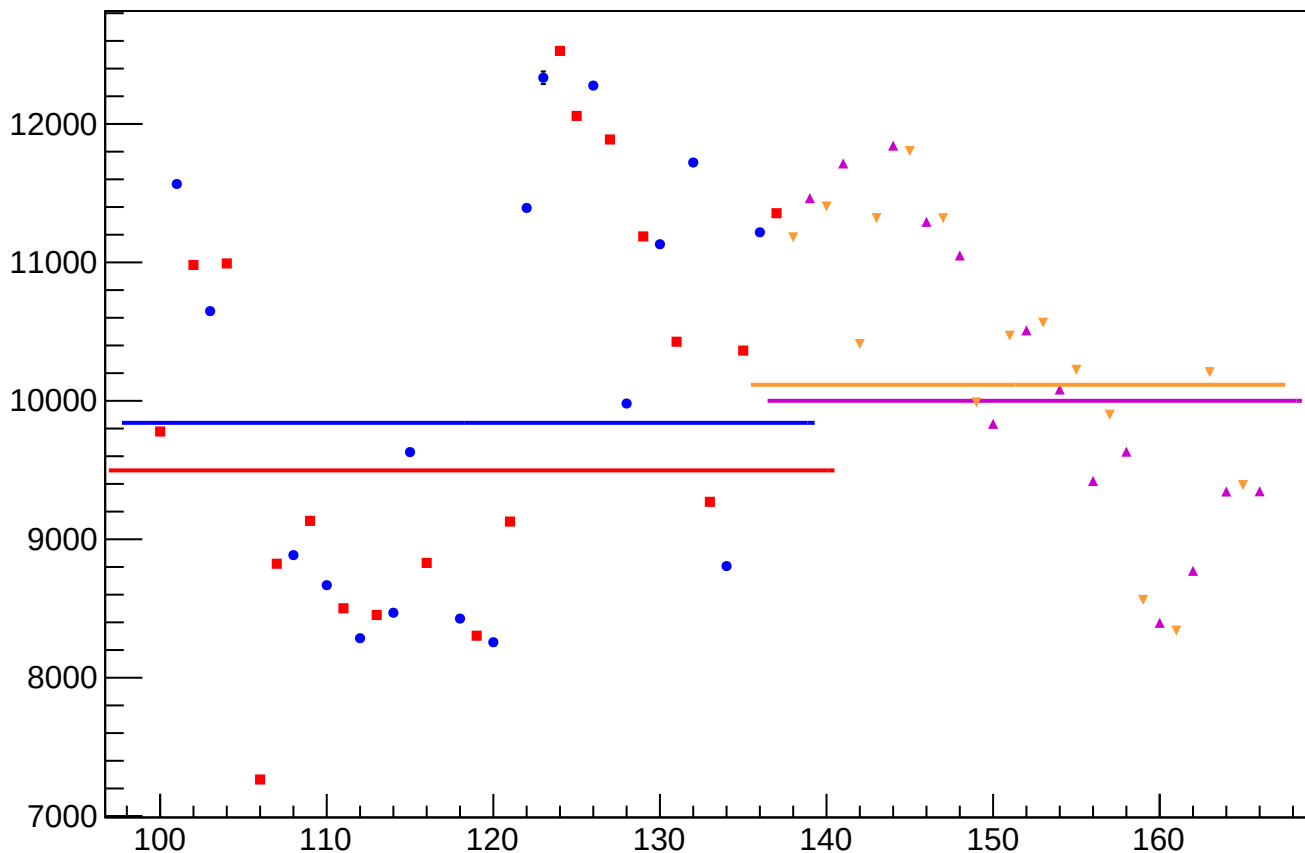
Left In: 12.505 ± 3.068 $\chi^2/\text{NDF}: 15.5/13$

+ sign 6.991 ± 2.394 $\chi^2/\text{NDF}: 98.9/31$

All: 4.818 ± 1.671 $\chi^2/\text{NDF}: 167.6/64$

- sign 2.753 ± 2.334 $\chi^2/\text{NDF}: 67.1/32$

diff_bpm0l07X_rms vs Slug



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

Left Out: 10116.031+/-2.166 χ^2/NDF : 235898.5/14

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

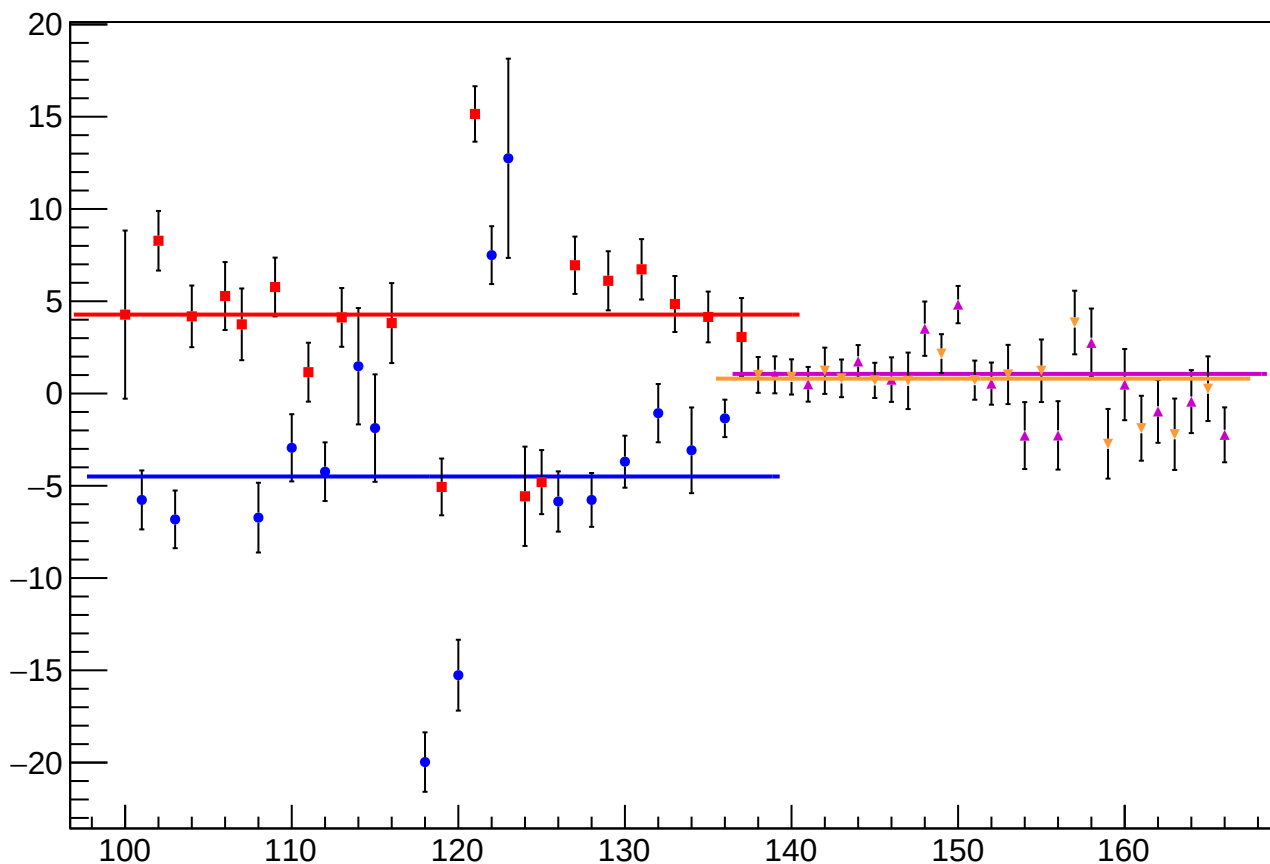
Left In: 10000.352+/-2.169 χ^2/NDF : 245692.8/13

+ sign 10009.067+/-1.693 χ^2/NDF : 502228.5/31

All: 9895.930+/-1.182 χ^2/NDF : 1055978.2/64

- sign 9788.412+/-1.650 χ^2/NDF : 545037.0/32

diff_bpm0l07Y_mean vs Slug



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

Left Out: 0.806 ± 0.327 χ^2/NDF : 13.4/14

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

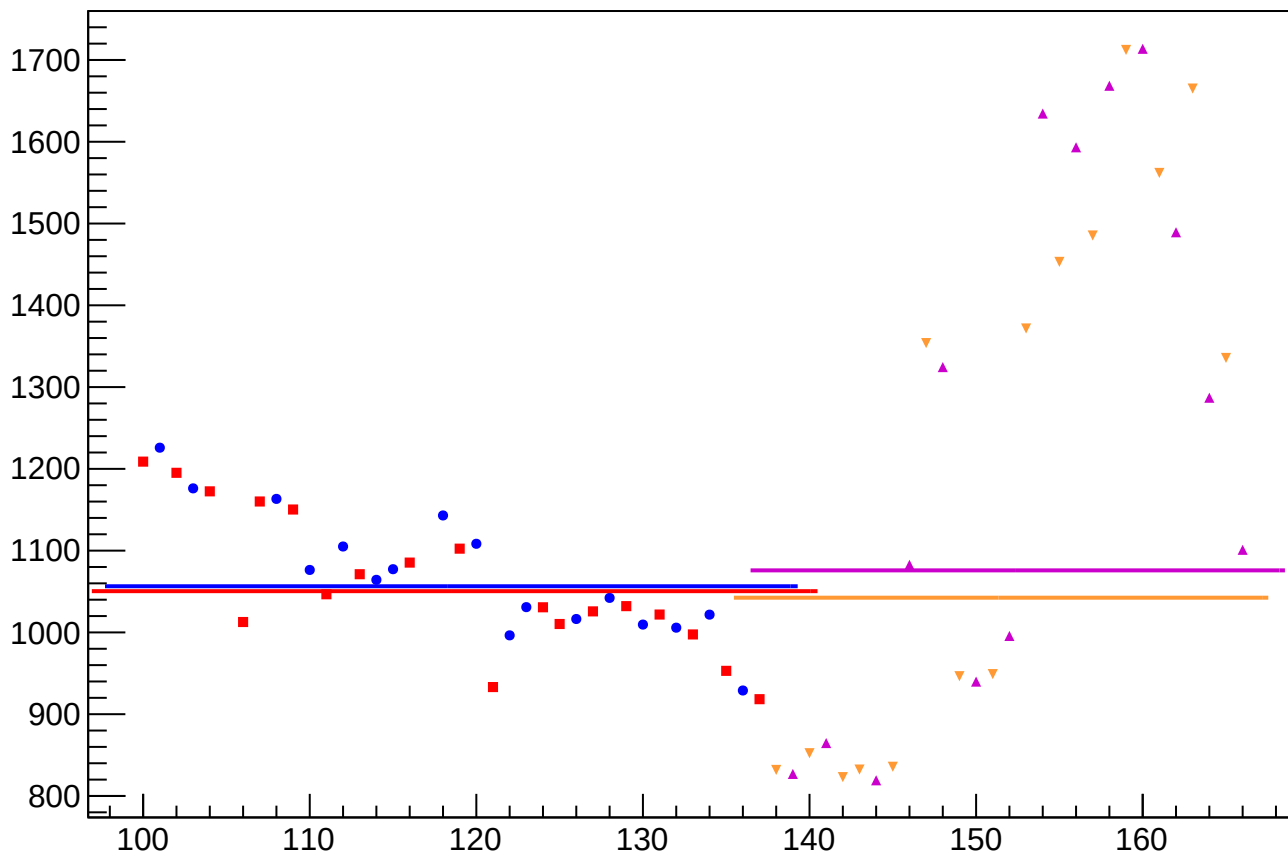
Left In: 1.063 ± 0.341 χ^2/NDF : 32.5/13

+ sign -1.268 ± 0.255 χ^2/NDF : 334.5/31

All: 0.568 ± 0.181 χ^2/NDF : 657.8/64

- sign 2.441 ± 0.258 χ^2/NDF : 218.7/32

diff_bpm0l07Y_rms vs Slug



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

Left Out: 1042.465 $\pm$ 0.231 χ^2 /NDF:1551878.5/14

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

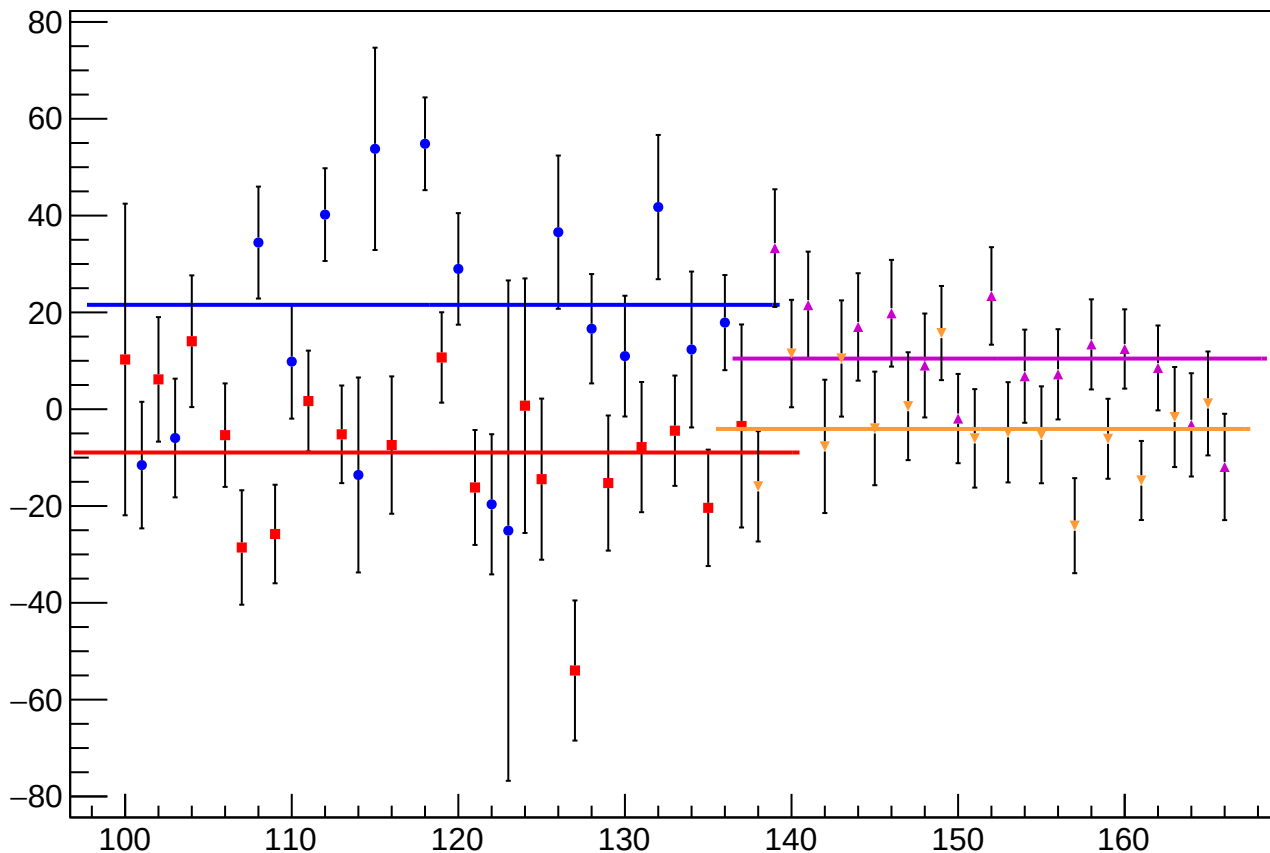
Left In: 1075.873 $\pm$ 0.241 χ^2 /NDF:1412246.9/13

+ sign 1047.931 $\pm$ 0.181 χ^2 /NDF: 1644078.0/31

All: 1056.367 $\pm$ 0.128 χ^2 /NDF: 3147895.8/64

- sign 1064.974 $\pm$ 0.182 χ^2 /NDF: 1499406.1/32

diff_bpm0l08X_mean vs Slug



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

Left Out: -4.078 $\pm$ 2.664 χ^2/NDF : 15.2/14

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

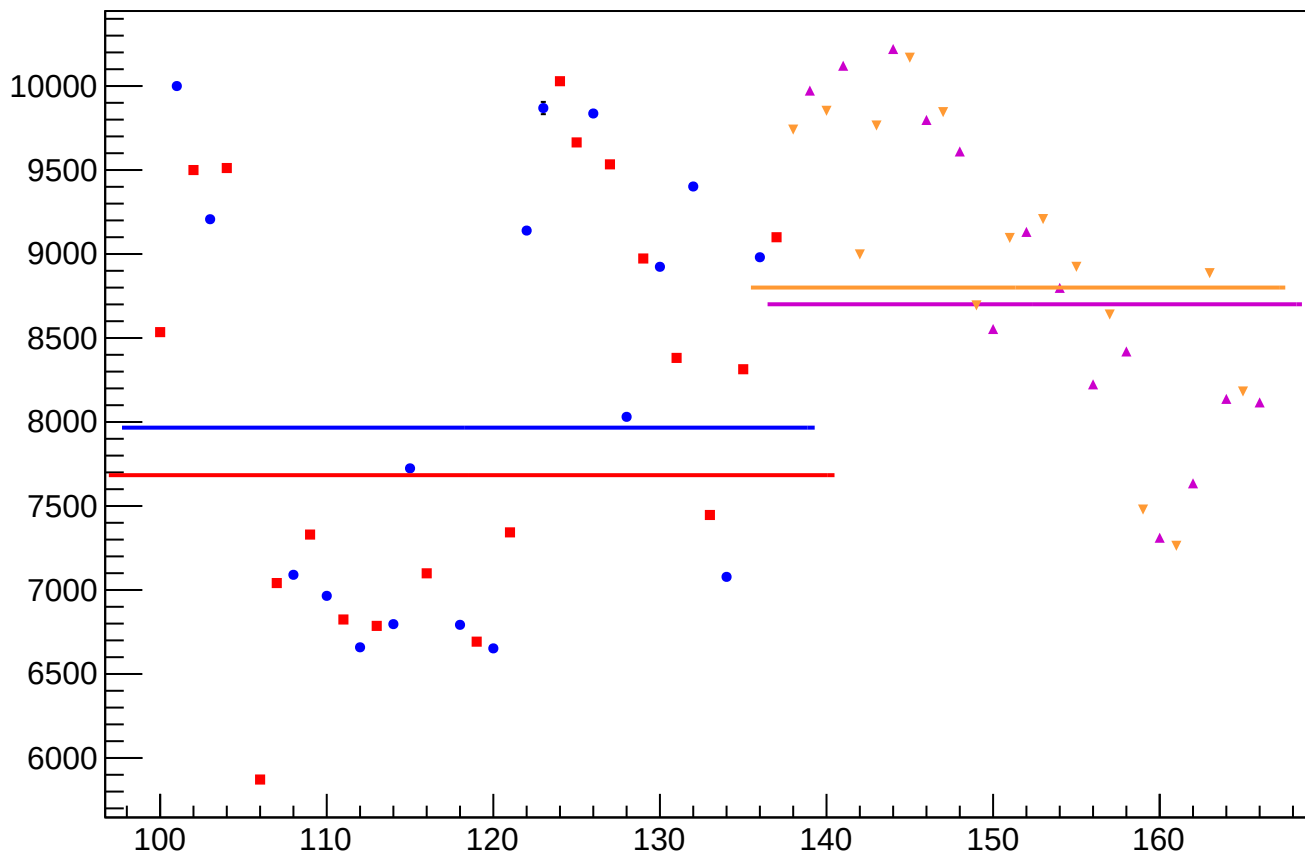
Left In: 10.460 $\pm$ 2.669 χ^2/NDF : 15.3/13

+ sign 6.770 $\pm$ 2.023 χ^2/NDF : 102.8/31

All: 4.114 $\pm$ 1.410 χ^2/NDF : 173.0/64

- sign 1.603 $\pm$ 1.967 χ^2/NDF : 66.9/32

diff_bpm0l08X_rms vs Slug



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

Left Out: 8800.339 $\pm$ 1.884 χ^2 /NDF: 224313.0/14

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

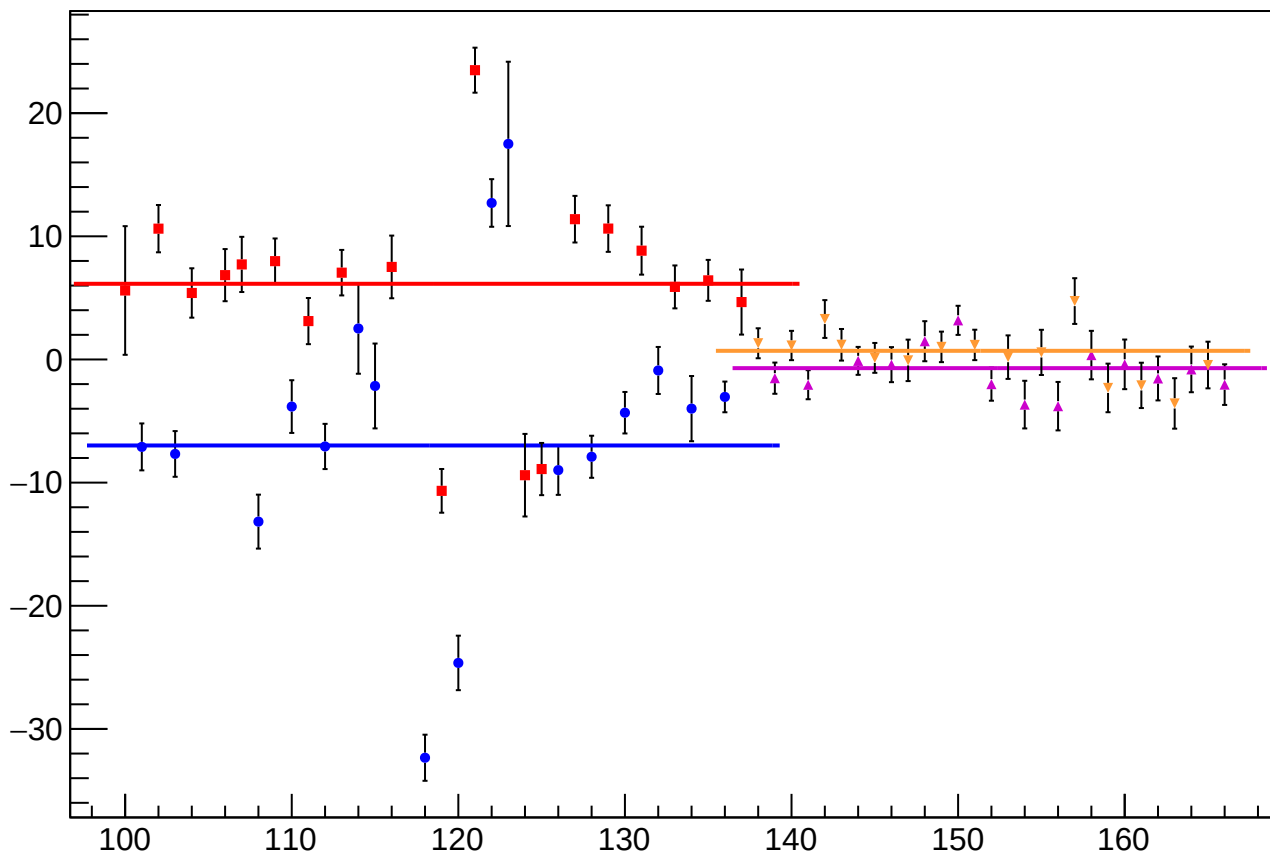
Left In: 8700.766 $\pm$ 1.887 χ^2 /NDF: 236346.1/13

+ sign 8447.491 $\pm$ 1.431 χ^2 /NDF: 603864.3/31

All: 8338.989 $\pm$ 0.997 χ^2 /NDF: 1299110.1/64

- sign 8236.393 $\pm$ 1.391 χ^2 /NDF: 684054.5/32

diff_bpm0l08Y_mean vs Slug



Right In: -6.984 ± 0.486 $\chi^2/\text{NDF}: 408.5/16$

Left Out: 0.702 ± 0.385 $\chi^2/\text{NDF}: 18.2/14$

Right Out: 6.145 ± 0.467 $\chi^2/\text{NDF}: 277.5/18$

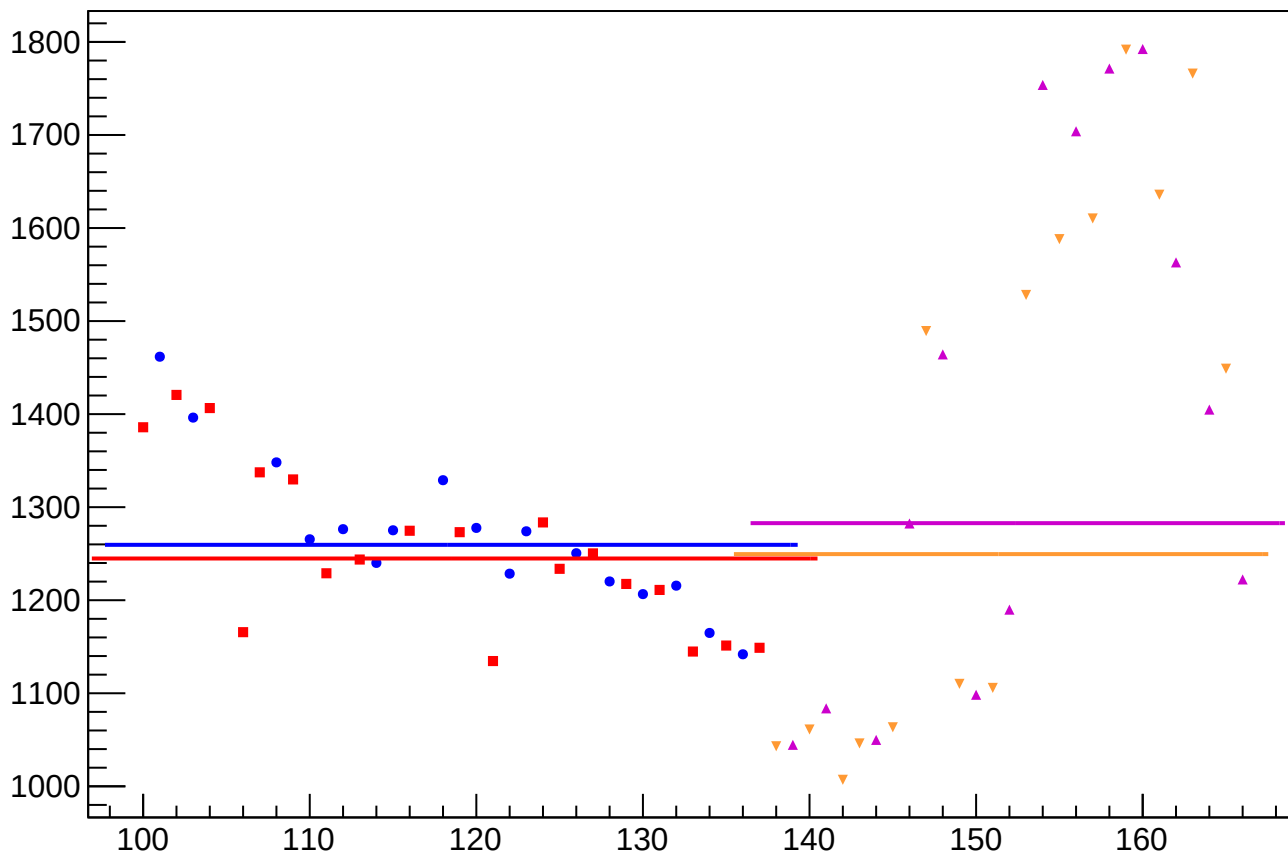
Left In: -0.705 ± 0.400 $\chi^2/\text{NDF}: 21.6/13$

+ sign -2.264 ± 0.302 $\chi^2/\text{NDF}: 580.2/31$

All: -0.047 ± 0.214 $\chi^2/\text{NDF}: 1111.9/64$

- sign 2.193 ± 0.304 $\chi^2/\text{NDF}: 423.4/32$

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1249.557 $\pm$ 0.273 χ^2 /NDF: 929788.6/14

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

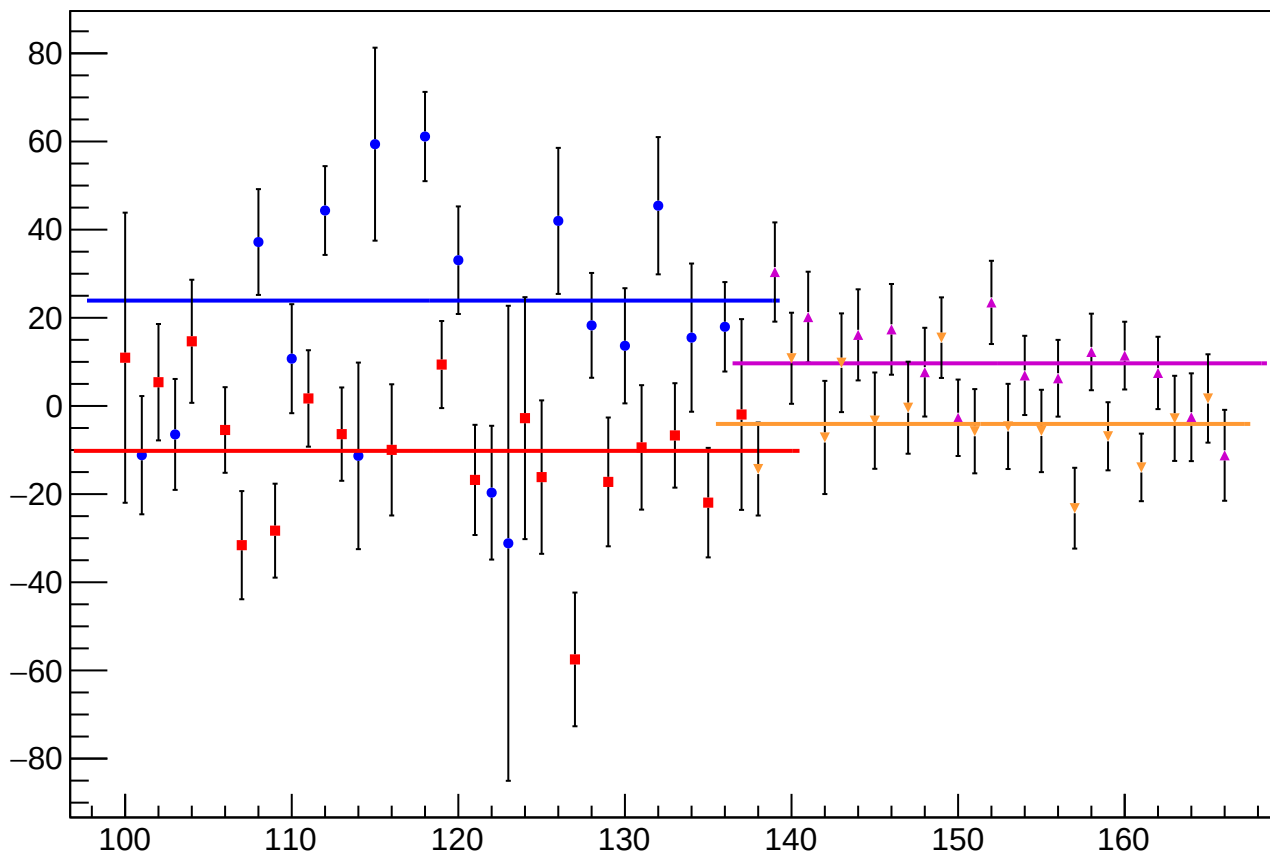
Left In: 1282.824 $\pm$ 0.283 χ^2 /NDF: 817053.1/13

+ sign 1253.407 $\pm$ 0.214 χ^2 /NDF: 995149.8/31

All: 1260.045 $\pm$ 0.151 χ^2 /NDF: 1888616.2/64

- sign 1266.751 $\pm$ 0.215 χ^2 /NDF: 891524.3/32

diff_bpm0l09X_mean vs Slug



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

Left Out: -4.078 ± 2.489 $\chi^2/\text{NDF}: 15.9/14$

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

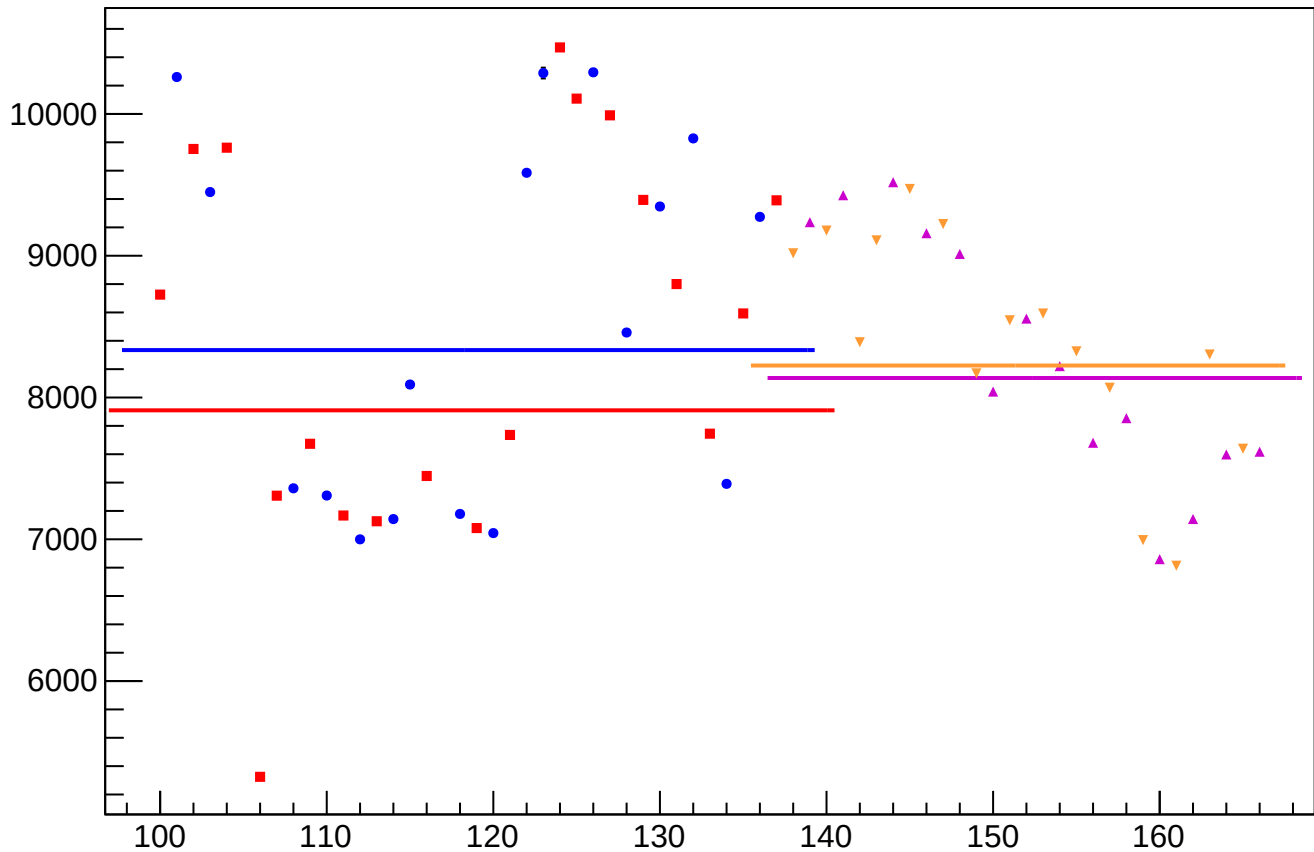
Left In: 9.671 ± 2.495 $\chi^2/\text{NDF}: 15.6/13$

+ sign 6.266 ± 1.976 $\chi^2/\text{NDF}: 115.0/31$

All: 3.849 ± 1.377 $\chi^2/\text{NDF}: 187.4/64$

- sign -1.568 ± 1.920 $\chi^2/\text{NDF}: 69.4/32$

diff_bpm0l09X_rms vs Slug



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

Left Out: 8225.733 ± 1.760 χ^2/NDF : 216916.4/14

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

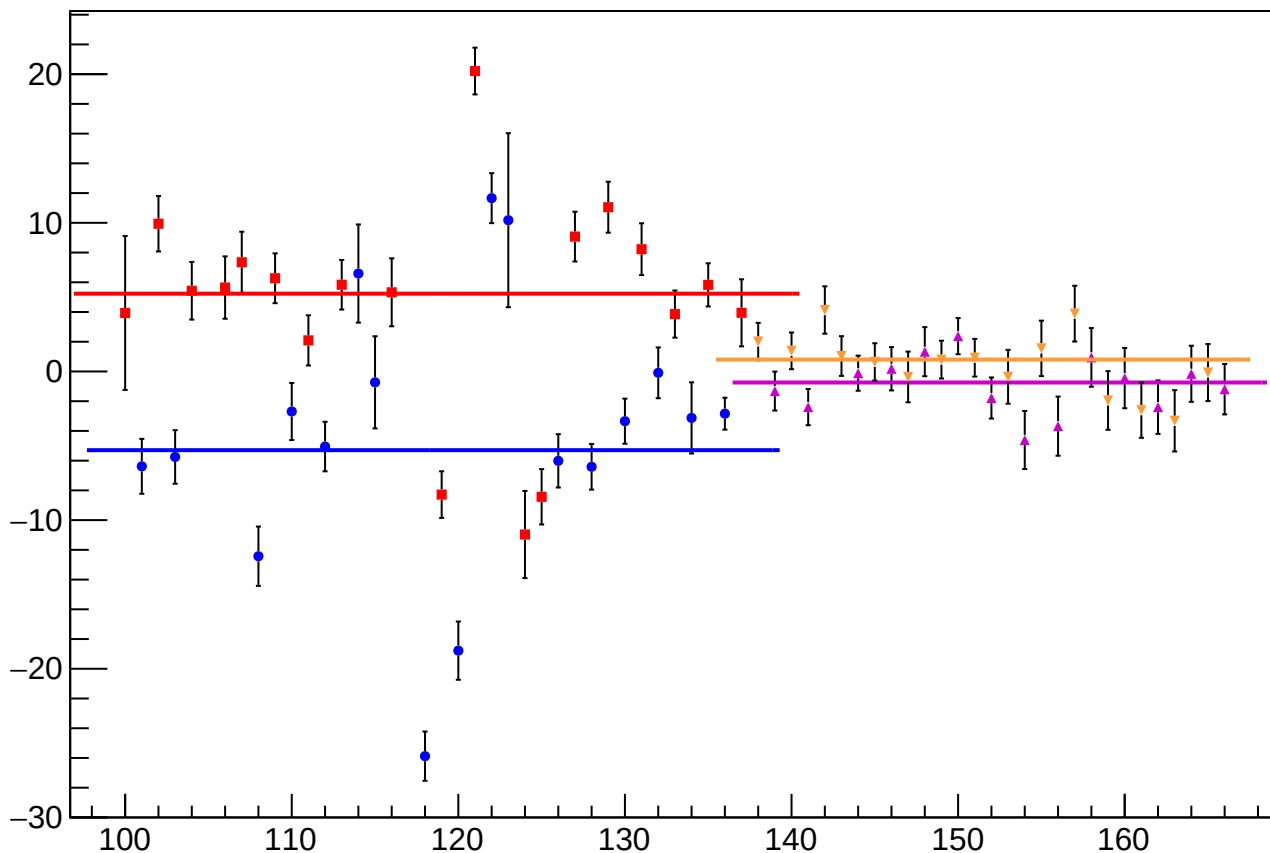
Left In: 8137.658 ± 1.764 χ^2/NDF : 228521.9/13

+ sign 8265.942 ± 1.397 χ^2/NDF : 490630.7/31

All: 8152.070 ± 0.974 χ^2/NDF : 1129692.5/64

- sign 8044.616 ± 1.358 χ^2/NDF : 626156.8/32

diff_bpm0l09Y_mean vs Slug



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

Left Out: 0.802 ± 0.395 χ^2/NDF : 18.9/14

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

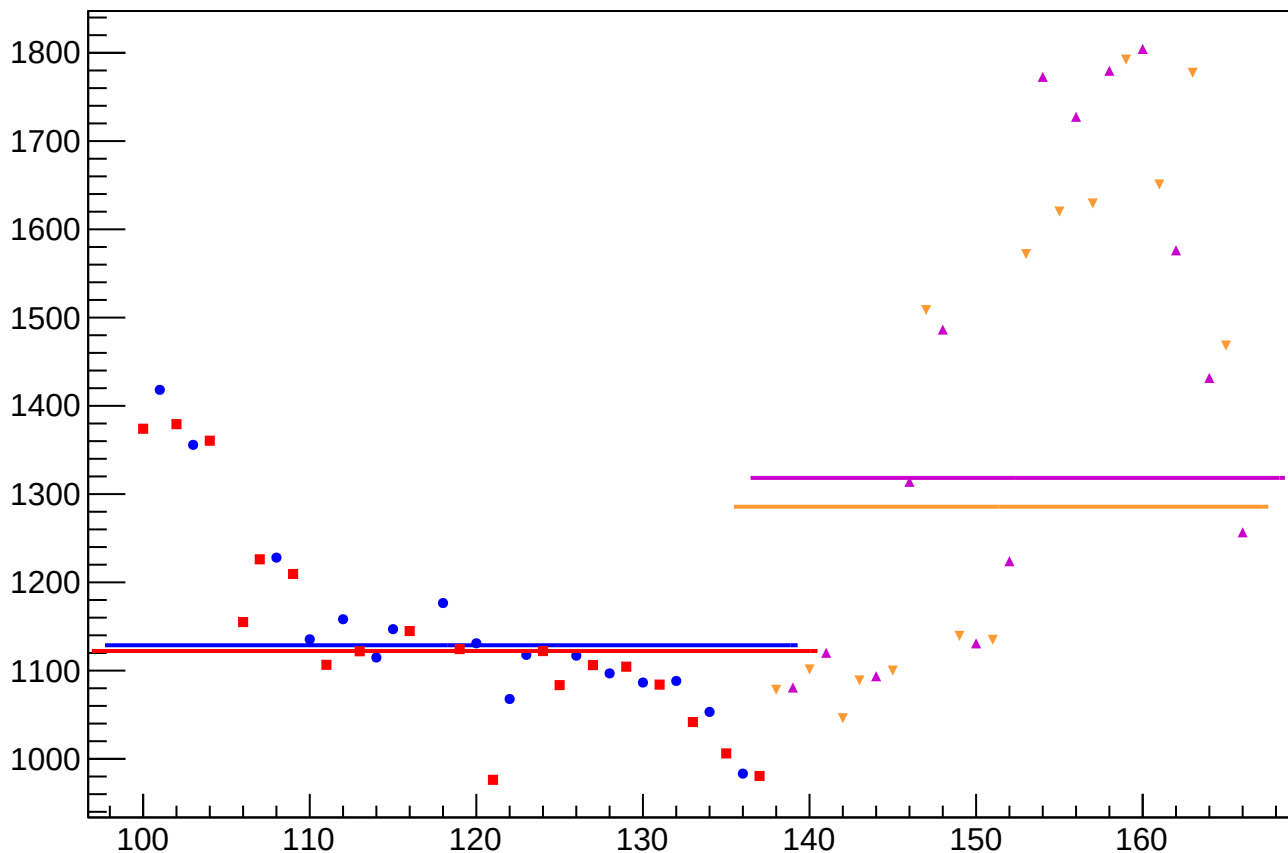
Left In: -0.742 ± 0.410 χ^2/NDF : 19.3/13

+ sign -1.944 ± 0.293 χ^2/NDF : 484.1/31

All: 0.103 ± 0.208 χ^2/NDF : 986.3/64

- sign 2.159 ± 0.294 χ^2/NDF : 404.5/32

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1285.712 $\pm$ 0.280 χ^2 /NDF: 843003.0/14

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

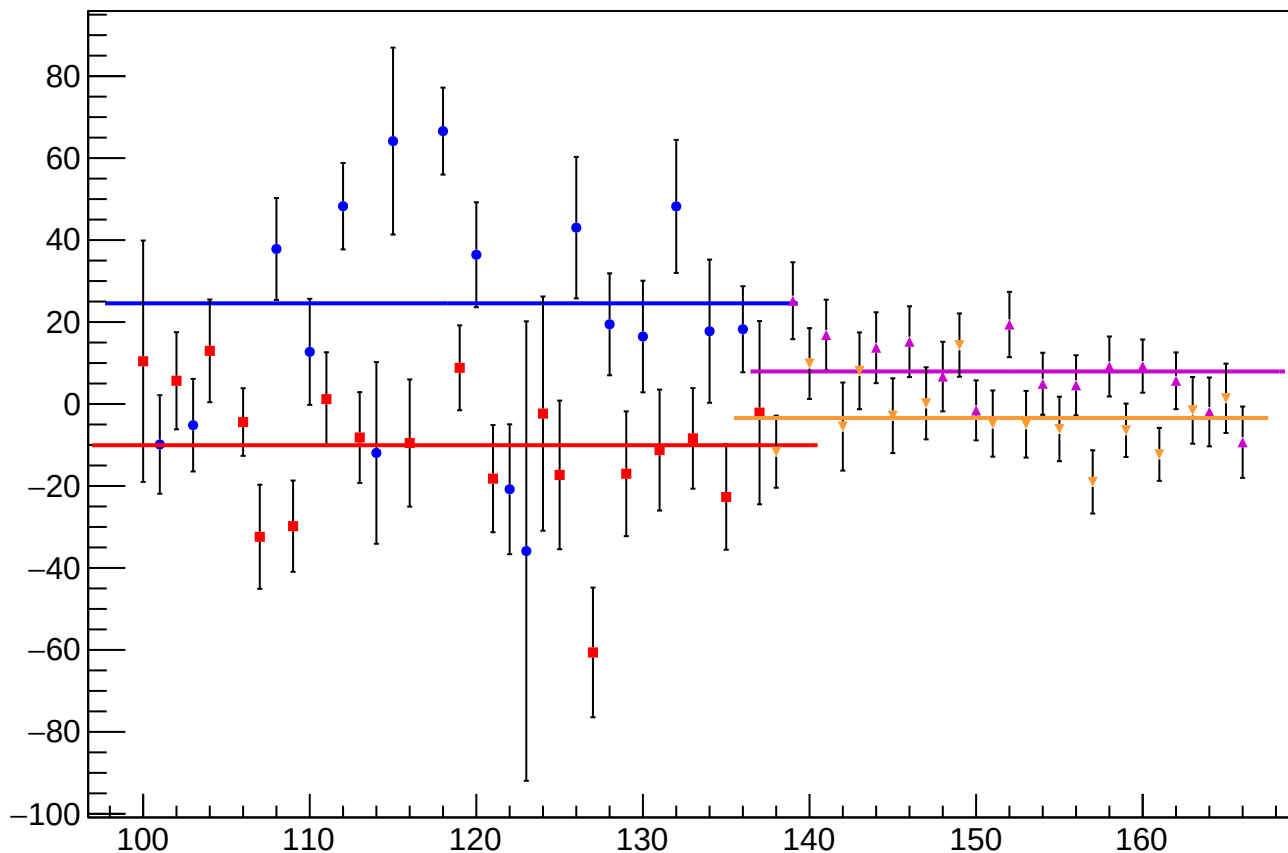
Left In: 1318.367 $\pm$ 0.290 χ^2 /NDF: 736400.6/13

+ sign 1215.012 $\pm$ 0.207 χ^2 /NDF: 1118030.8/31

All: 1219.071 $\pm$ 0.147 χ^2 /NDF: 2207435.3/64

- sign 1223.147 $\pm$ 0.208 χ^2 /NDF: 1088636.2/32

diff_bpm0l10X_mean vs Slug



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

Left Out: -3.412 ± 2.094 $\chi^2/\text{NDF}: 17.0/14$

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

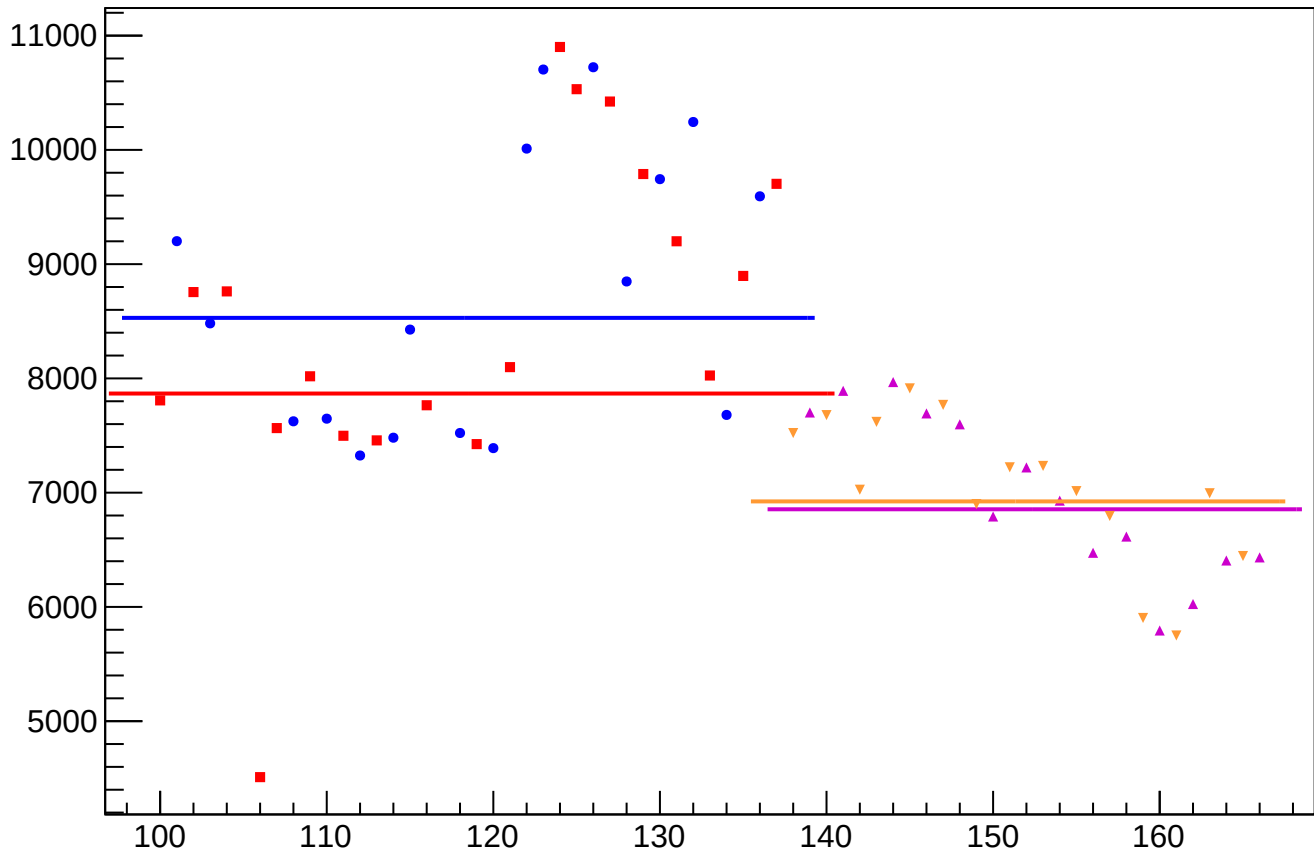
Left In: 7.944 ± 2.101 $\chi^2/\text{NDF}: 15.2/13$

+ sign 4.559 ± 1.771 $\chi^2/\text{NDF}: 125.9/31$

All: 3.265 ± 1.235 $\chi^2/\text{NDF}: 195.1/64$

- sign 2.041 ± 1.722 $\chi^2/\text{NDF}: 68.1/32$

diff_bpm0l10X_rms vs Slug



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

Left Out: 6923.464+/-1.481 χ^2/NDF : 205498.5/14

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

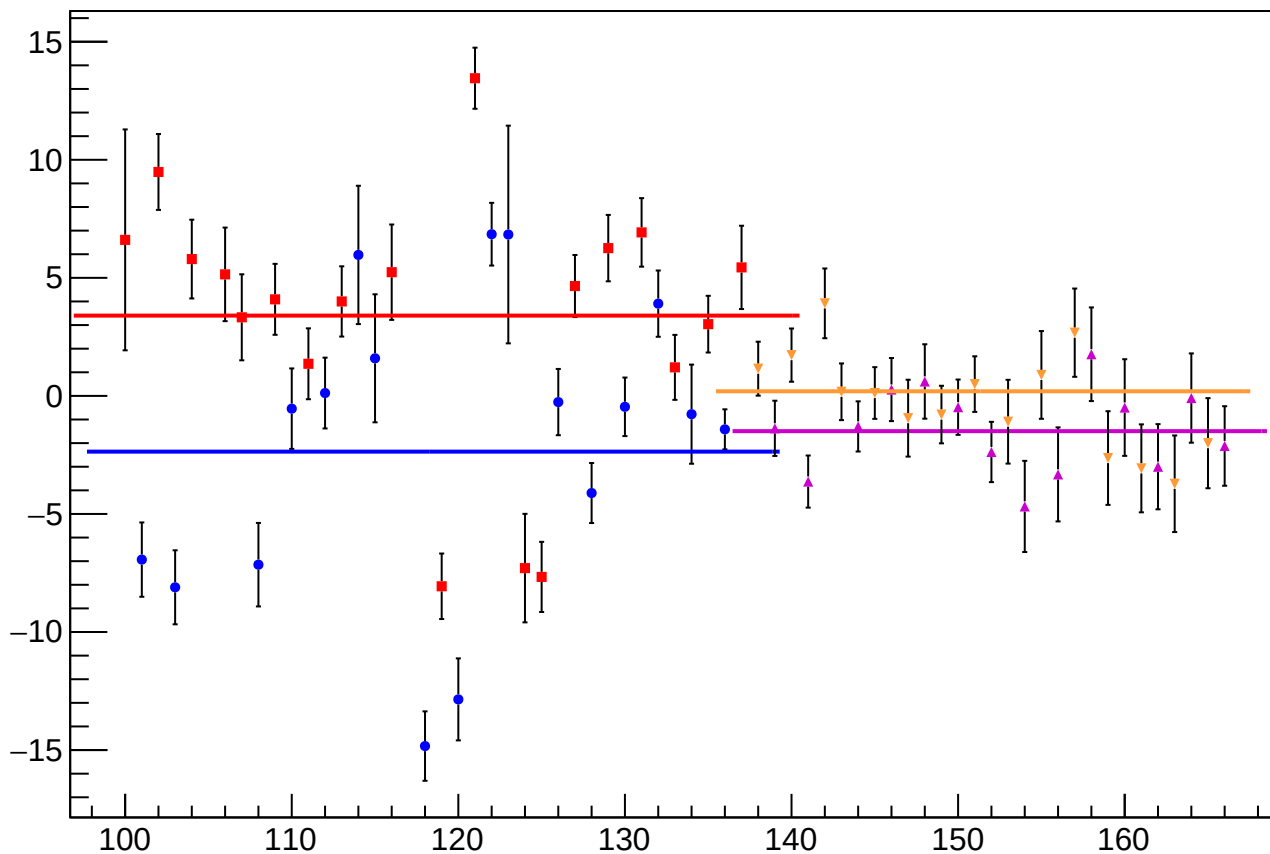
Left In: 6854.536+/-1.486 χ^2/NDF : 217215.8/13

+ sign 7381.091+/-1.252 χ^2/NDF : 748985.6/31

All: 7281.211+/-0.873 χ^2/NDF : 1686908.6/64

- sign 7186.758+/-1.218 χ^2/NDF : 925548.1/32

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.196 ± 0.371 χ^2/NDF : 22.7/14

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

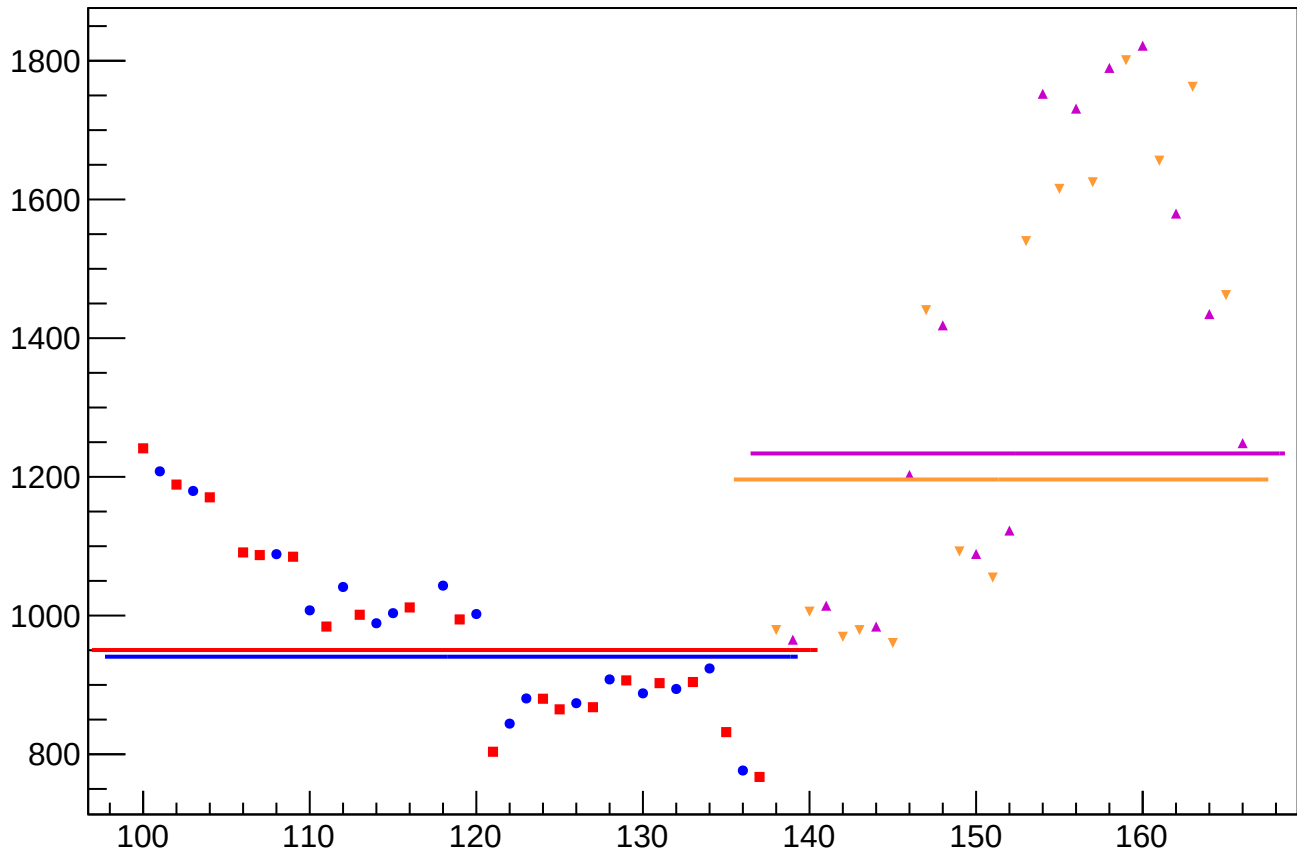
Left In: -1.493 ± 0.386 χ^2/NDF : 16.4/13

+ sign -1.101 ± 0.260 χ^2/NDF : 278.7/31

All: 0.009 ± 0.185 χ^2/NDF : 659.5/64

- sign 1.140 ± 0.263 χ^2/NDF : 344.1/32

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1196.215 $\pm$ 0.262 χ^2 /NDF:1204904.0/14

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

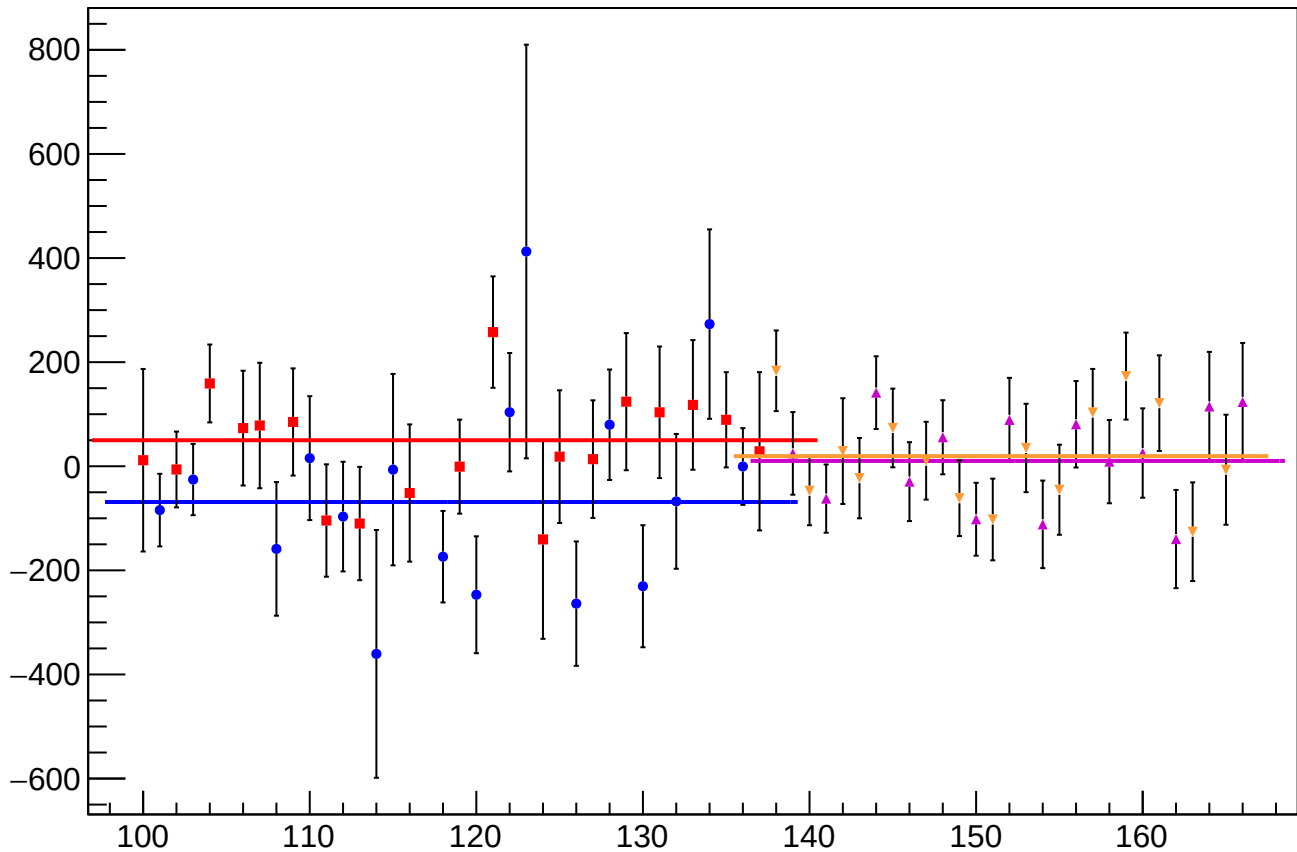
Left In: 1233.747 $\pm$ 0.273 χ^2 /NDF:1056757.4/13

+ sign 1066.525 $\pm$ 0.184 χ^2 /NDF: 1927968.3/31

All: 1073.839 $\pm$ 0.131 χ^2 /NDF: 3787205.7/64

- sign 1081.282 $\pm$ 0.186 χ^2 /NDF: 1856054.8/32

diff_bpm0r03X_mean vs Slug



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

Left Out: 19.412 ± 21.122 χ^2/NDF : 18.6/14

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

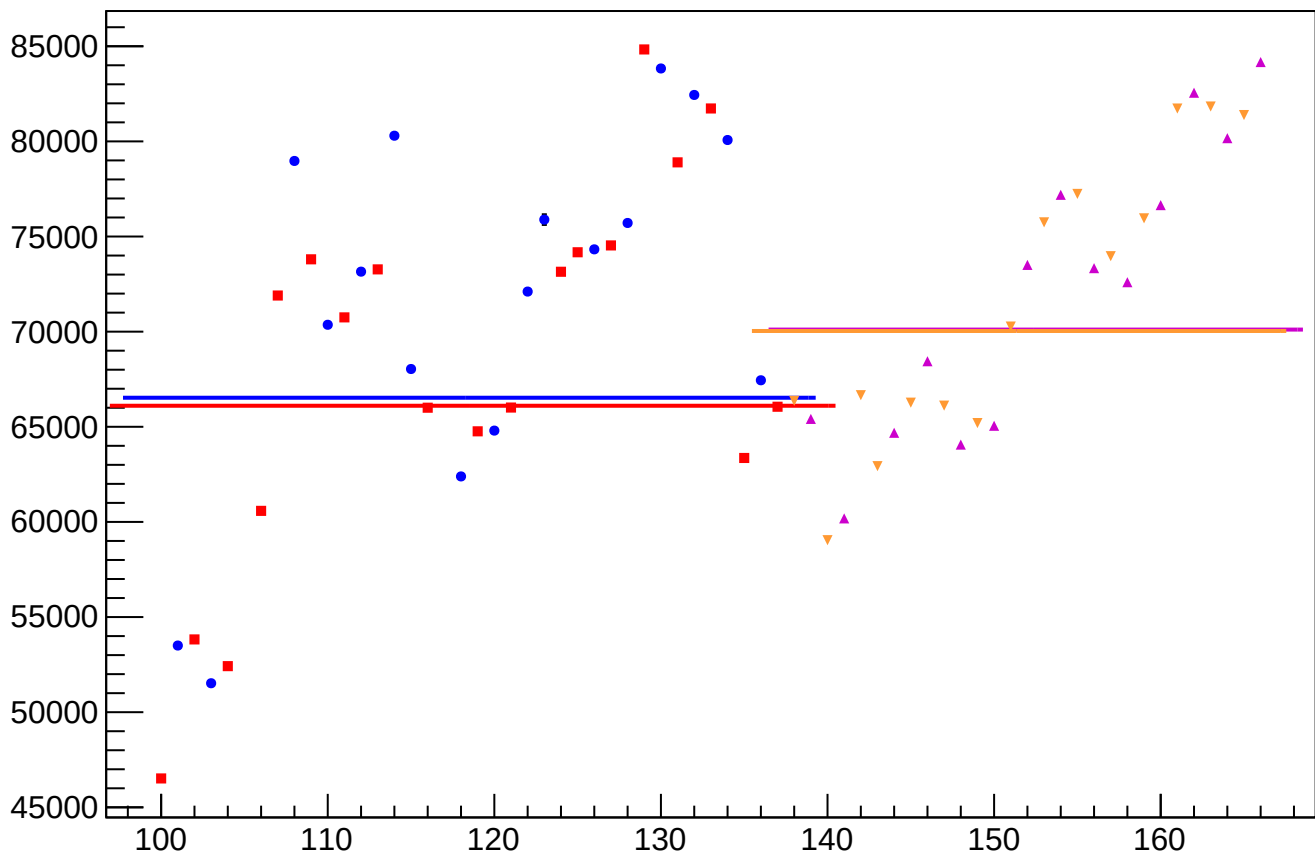
Left In: 10.211 ± 21.396 χ^2/NDF : 16.4/13

+ sign -15.704 ± 16.381 χ^2/NDF : 47.3/31

All: 5.805 ± 11.540 χ^2/NDF : 82.5/64

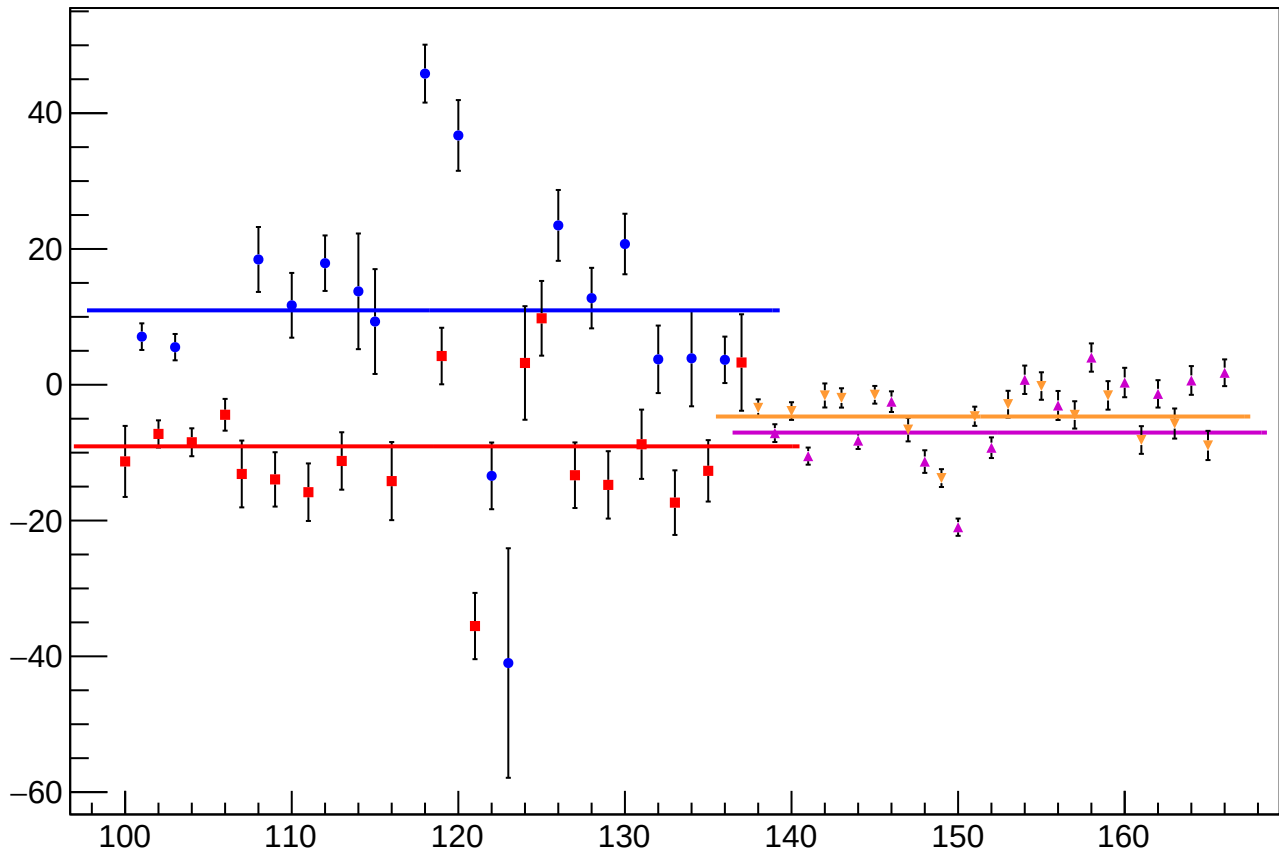
- sign 27.000 ± 16.261 χ^2/NDF : 31.8/32

diff_bpm0r03X_rms vs Slug



Right In: 66527.251+/-18.347	χ^2/NDF : 320887.2/16	+ sign 68637.208+/-11.583	χ^2/NDF : 564790.1/31
Left Out: 70035.588+/-14.936	χ^2/NDF : 221910.7/14	All: 68526.817+/-8.160	χ^2/NDF : 1102085.9/6
Right Out: 66105.849+/-17.692	χ^2/NDF : 298485.4/18	- sign 68418.036+/-11.498	χ^2/NDF : 537115.5/32
Left In: 70108.942+/-15.129	χ^2/NDF : 209057.6/13		

diff_bpm0r03Y_mean vs Slug



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

Left Out: -4.678 ± 0.420 χ^2/NDF : 78.0/14

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

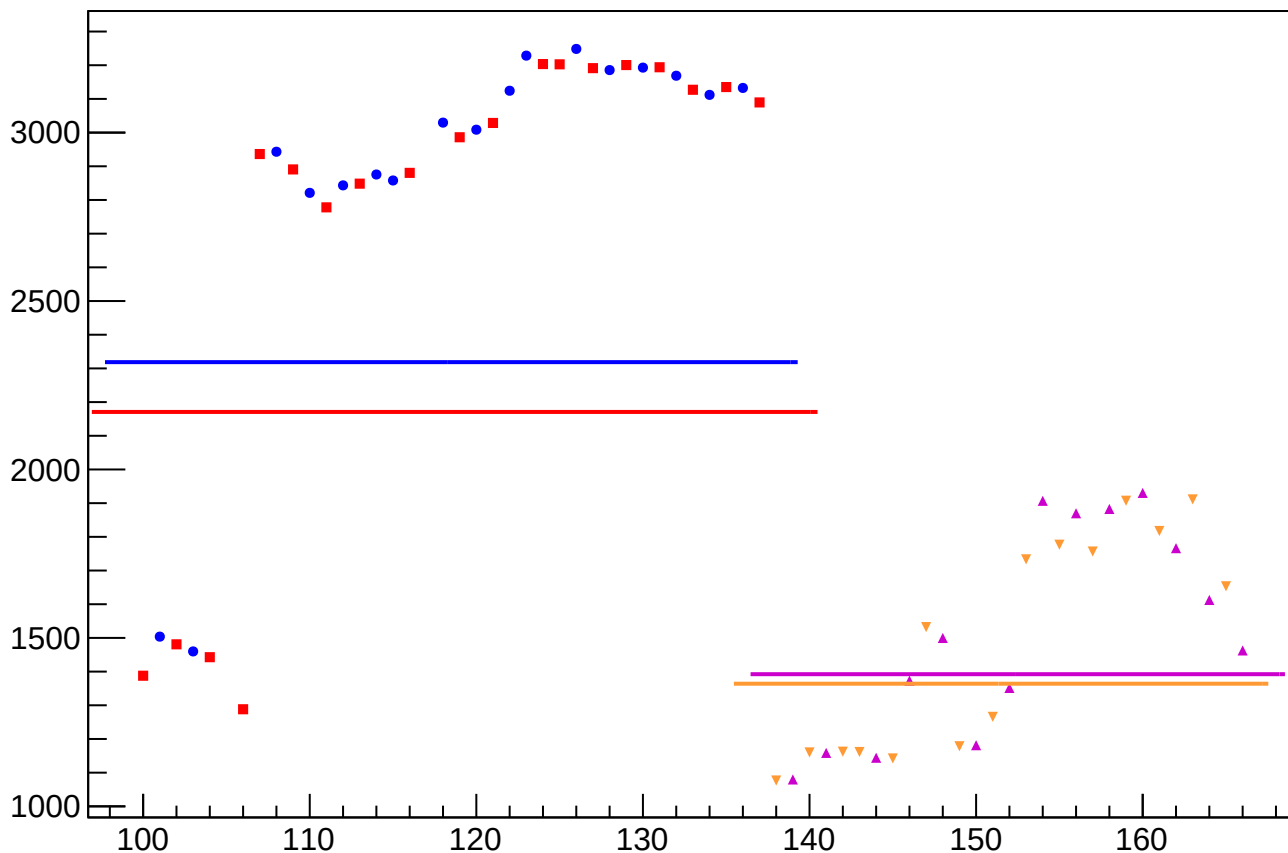
Left In: -7.045 ± 0.433 χ^2/NDF : 244.6/13

+ sign -2.091 ± 0.384 χ^2/NDF : 468.2/31

All: -4.744 ± 0.273 χ^2/NDF : 886.9/64

- sign -7.450 ± 0.387 χ^2/NDF : 322.1/32

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1364.052 $\pm$ 0.297 χ^2 /NDF: 966072.7/14

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

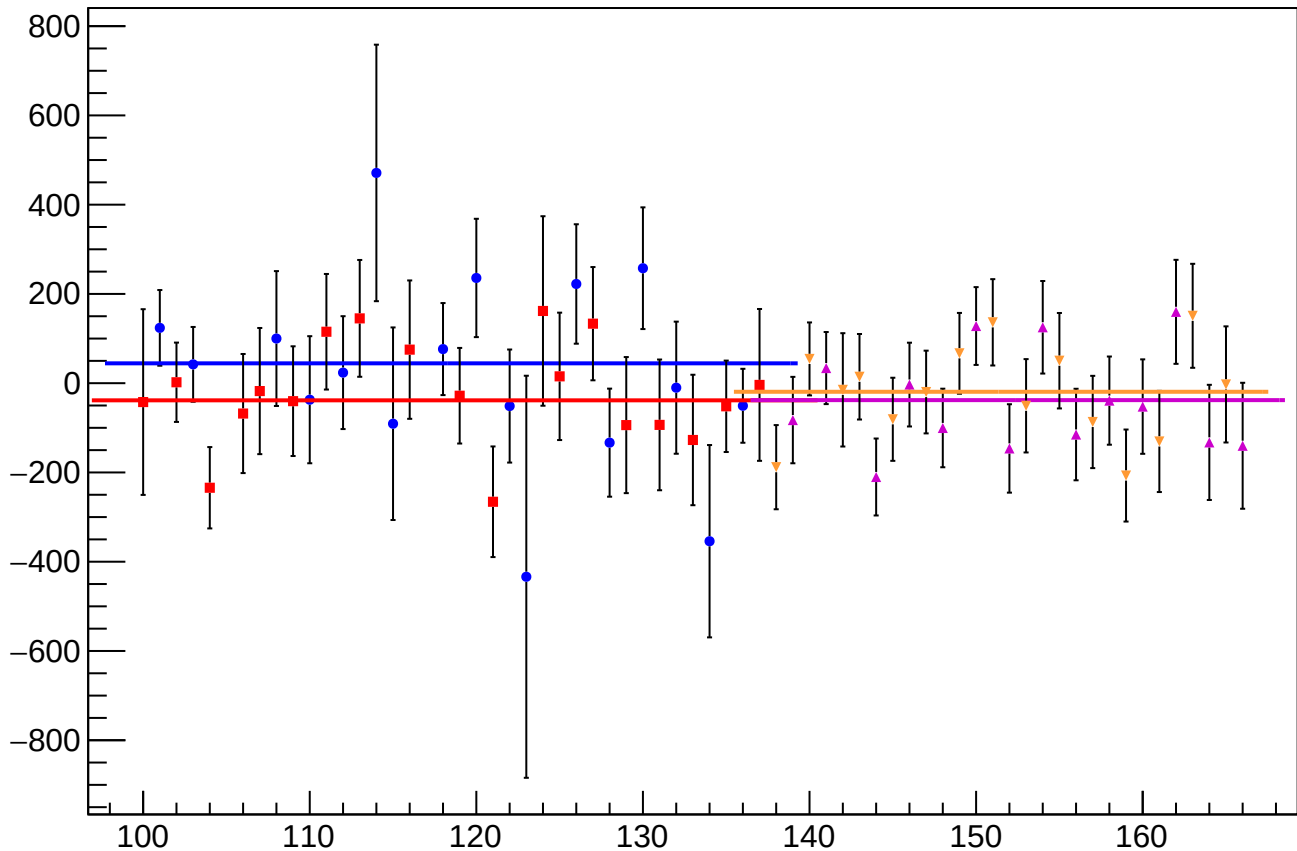
Left In: 1392.307 $\pm$ 0.306 χ^2 /NDF: 876545.5/13

+ sign 1521.965 $\pm$ 0.271 χ^2 /NDF: 4084069.6/31

All: 1534.873 $\pm$ 0.193 χ^2 /NDF: 8010712.7/64

- sign 1548.043 $\pm$ 0.274 χ^2 /NDF: 3922068.6/32

diff_bpm0r05X_mean vs Slug



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

Left Out: -19.238+/-26.073 χ^2/NDF : 15.5/14

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

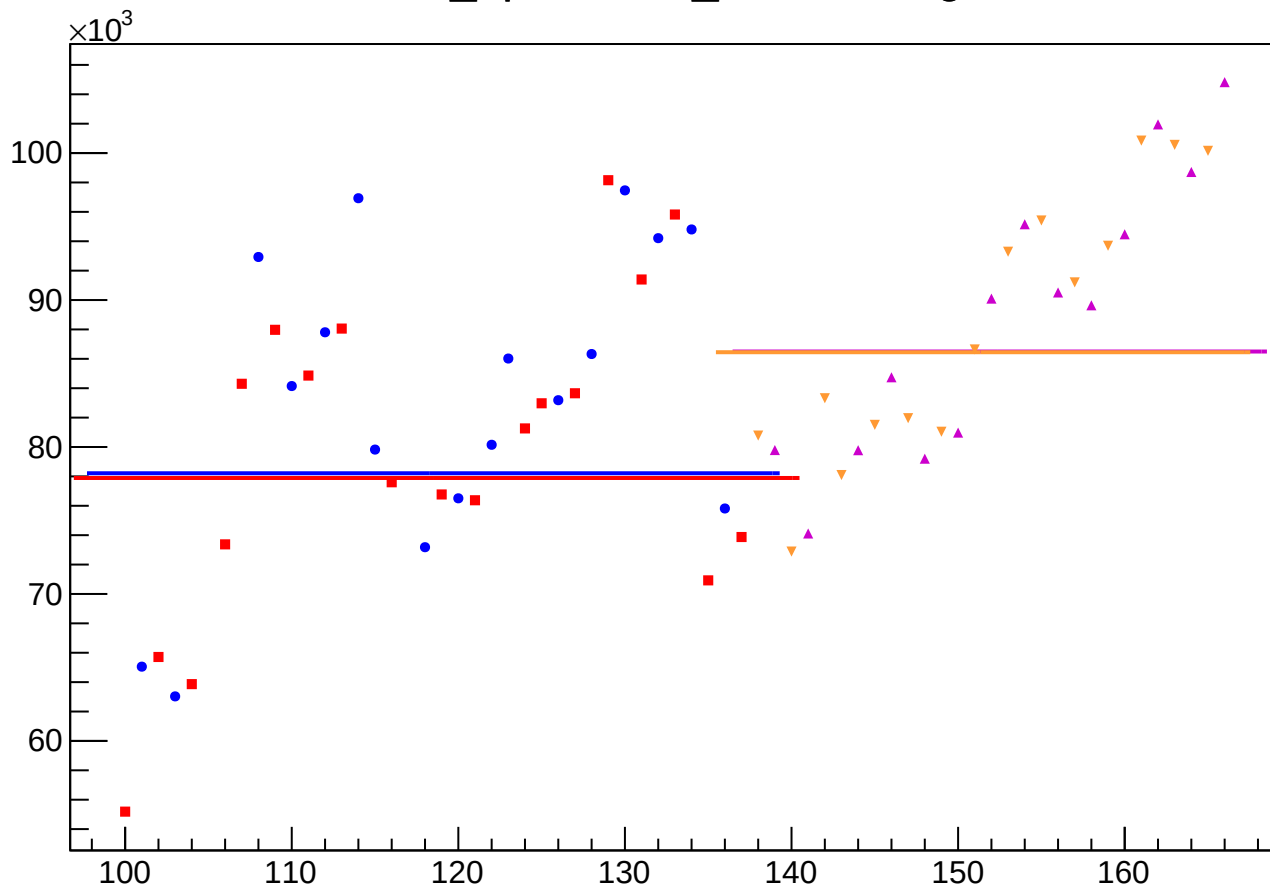
Left In: -37.964+/-26.402 χ^2/NDF : 17.5/13

+ sign 7.737+/-19.800 χ^2/NDF : 37.1/31

All: -15.386+/-13.949 χ^2/NDF : 73.0/64

- sign -38.170+/-19.654 χ^2/NDF : 33.2/32

diff_bpm0r05X_rms vs Slug



Right In: 78213.025+/-21.519 χ^2/NDF : 251056.7/16

Left Out: 86449.562+/-18.437 χ^2/NDF : 216740.1/14

Right Out: 77891.938+/-20.814 χ^2/NDF : 246970.2/18

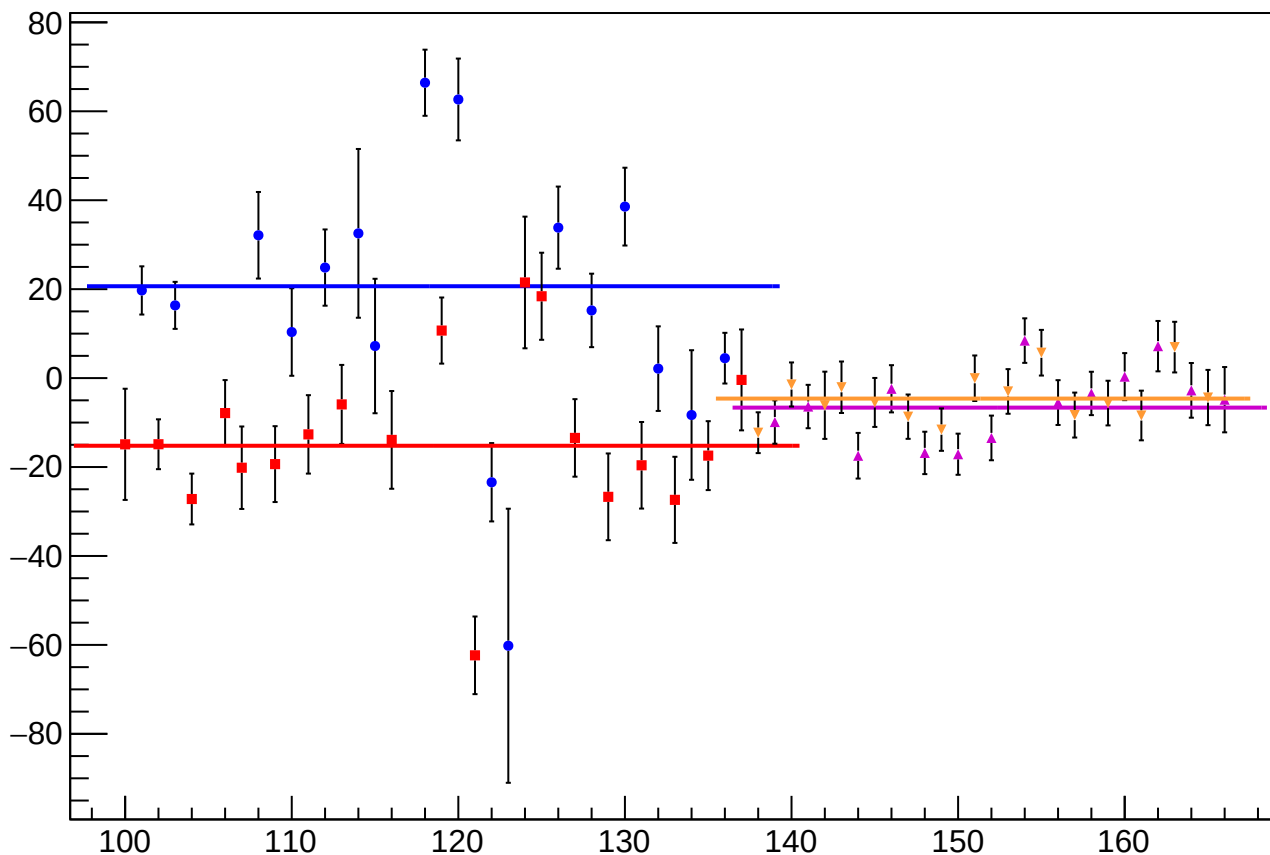
Left In: 86496.582+/-18.669 χ^2/NDF : 211096.8/13

+ sign 82962.861+/-14.001 χ^2/NDF : 552285.5/31

All: 82810.472+/-9.863 χ^2/NDF : 1105299.9/6

- sign 82660.320+/-13.898 χ^2/NDF : 552779.2/32

diff_bpm0r05Y_mean vs Slug



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

Left Out: -4.606 ± 1.366 χ^2/NDF : 16.4/14

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

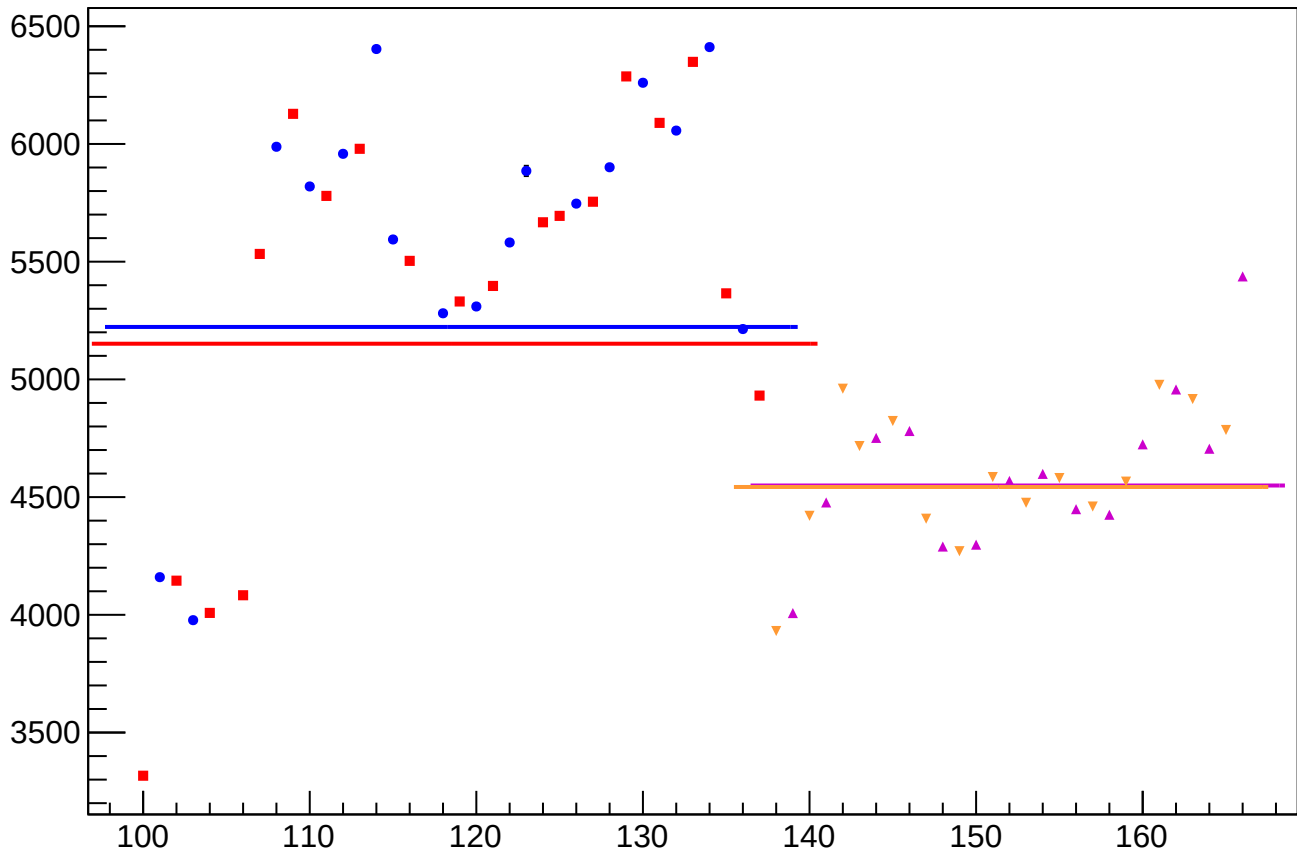
Left In: -6.640 ± 1.385 χ^2/NDF : 34.8/13

+ sign 3.235 ± 1.134 χ^2/NDF : 240.3/31

All: -3.159 ± 0.801 χ^2/NDF : 422.5/64

- sign -9.506 ± 1.130 χ^2/NDF : 118.9/32

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4543.012 $\pm$ 0.966 χ^2/NDF : 82761.1/14

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

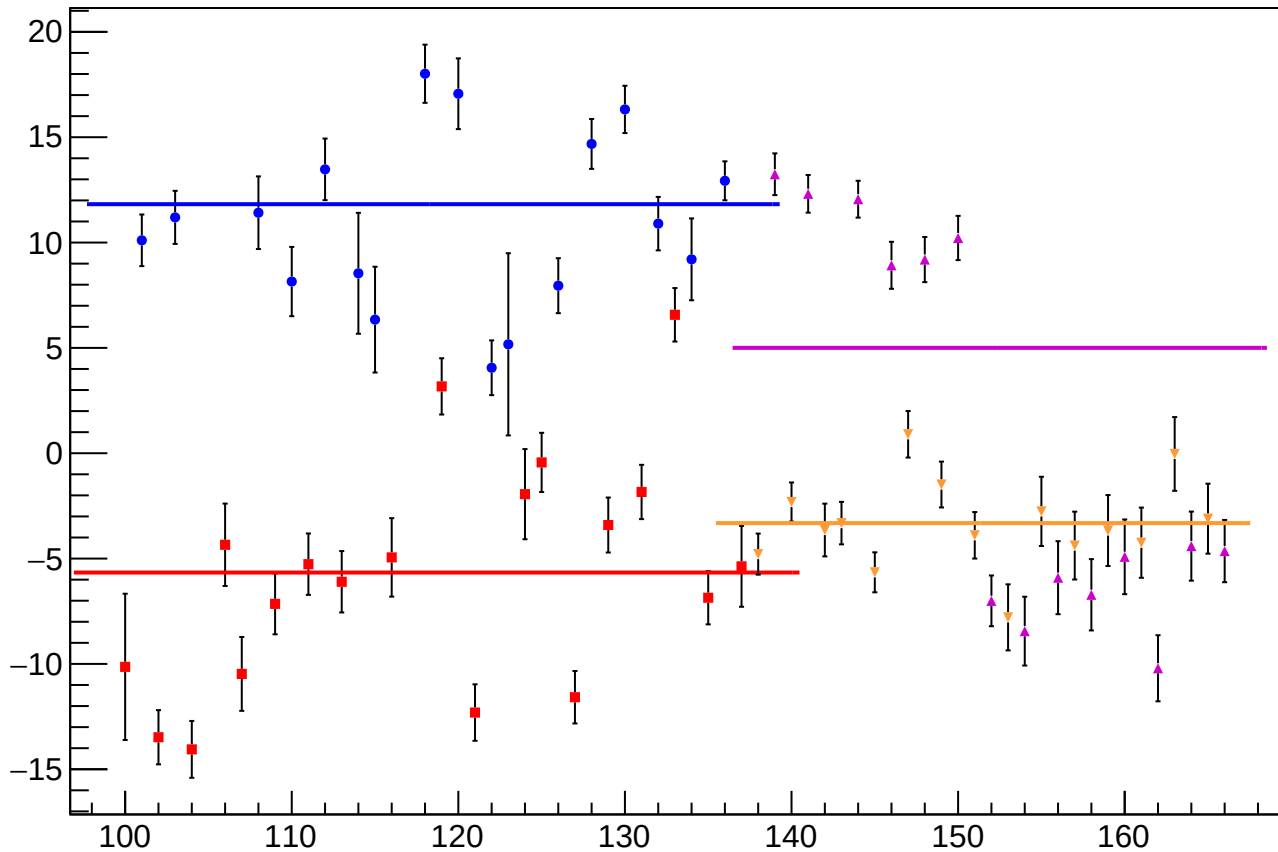
Left In: 4549.283 $\pm$ 0.979 χ^2/NDF : 89342.8/13

+ sign 4753.985 $\pm$ 0.802 χ^2/NDF : 549021.4/31

All: 4752.284 $\pm$ 0.566 χ^2/NDF : 1152450.0/64

- sign 4750.596 $\pm$ 0.799 χ^2/NDF : 603419.6/32

diff_bpm2i01X_mean vs Slug



Right In: 11.821 ± 0.344 χ^2/NDF : 117.0/16

Left Out: -3.316 ± 0.316 χ^2/NDF : 39.8/14

Right Out: -5.663 ± 0.338 χ^2/NDF : 300.1/18

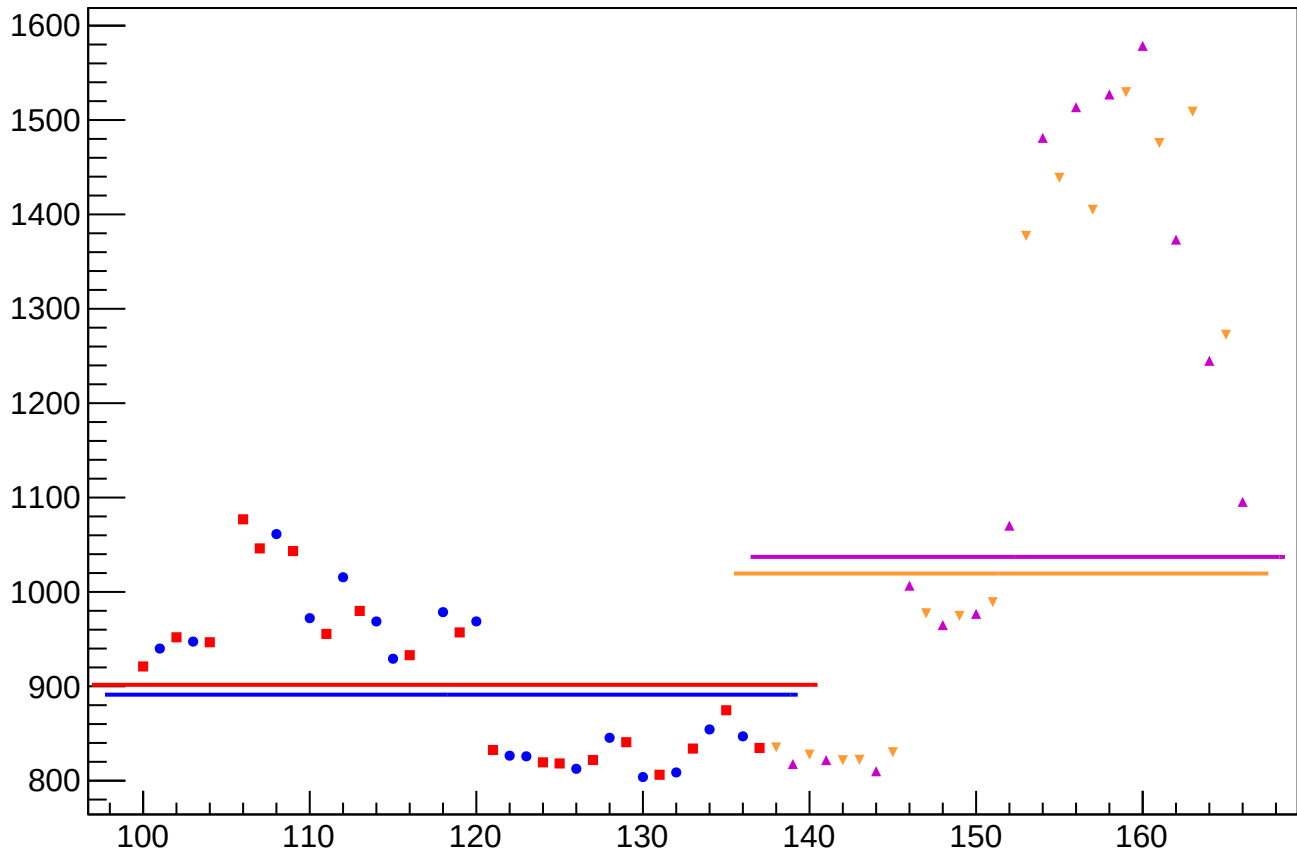
Left In: 5.002 ± 0.325 χ^2/NDF : 709.1/13

+ sign 3.606 ± 0.233 χ^2/NDF : 1204.6/31

All: 1.757 ± 0.165 χ^2/NDF : 2857.0/64

- sign -0.116 ± 0.234 χ^2/NDF : 1525.6/32

diff_bpm2i01X_rms vs Slug



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

Left Out: 1019.509 ± 0.224 $\chi^2/\text{NDF}: 1256269.5/14$

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

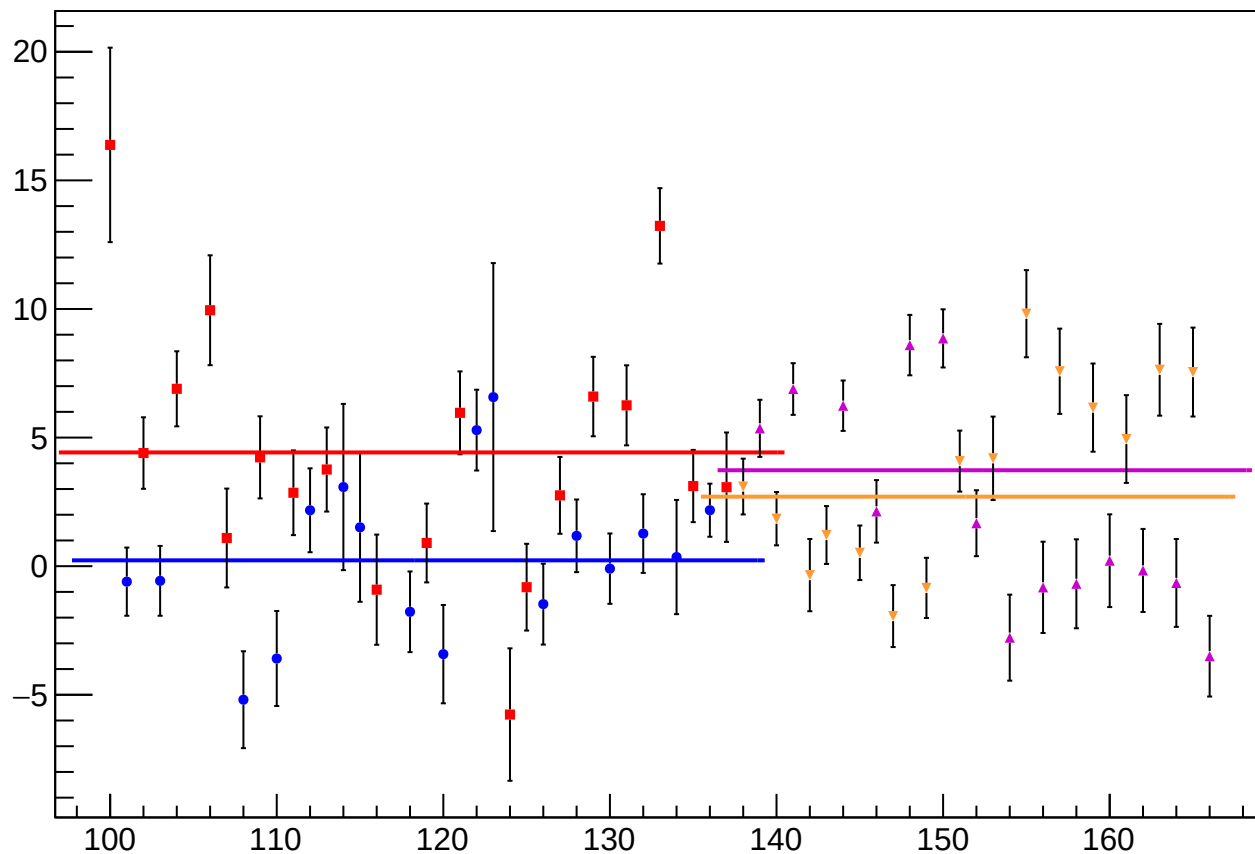
Left In: 1037.108 ± 0.230 $\chi^2/\text{NDF}: 1147944.8/13$

+ sign 960.810 ± 0.165 $\chi^2/\text{NDF}: 1508615.3/31$

All: 966.404 ± 0.117 $\chi^2/\text{NDF}: 2940232.5/64$

- sign 972.072 ± 0.166 $\chi^2/\text{NDF}: 1429295.3/32$

diff_bpm2i01Y_mean vs Slug



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

Left Out: 2.703 ± 0.342 χ^2/NDF : 85.4/14

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

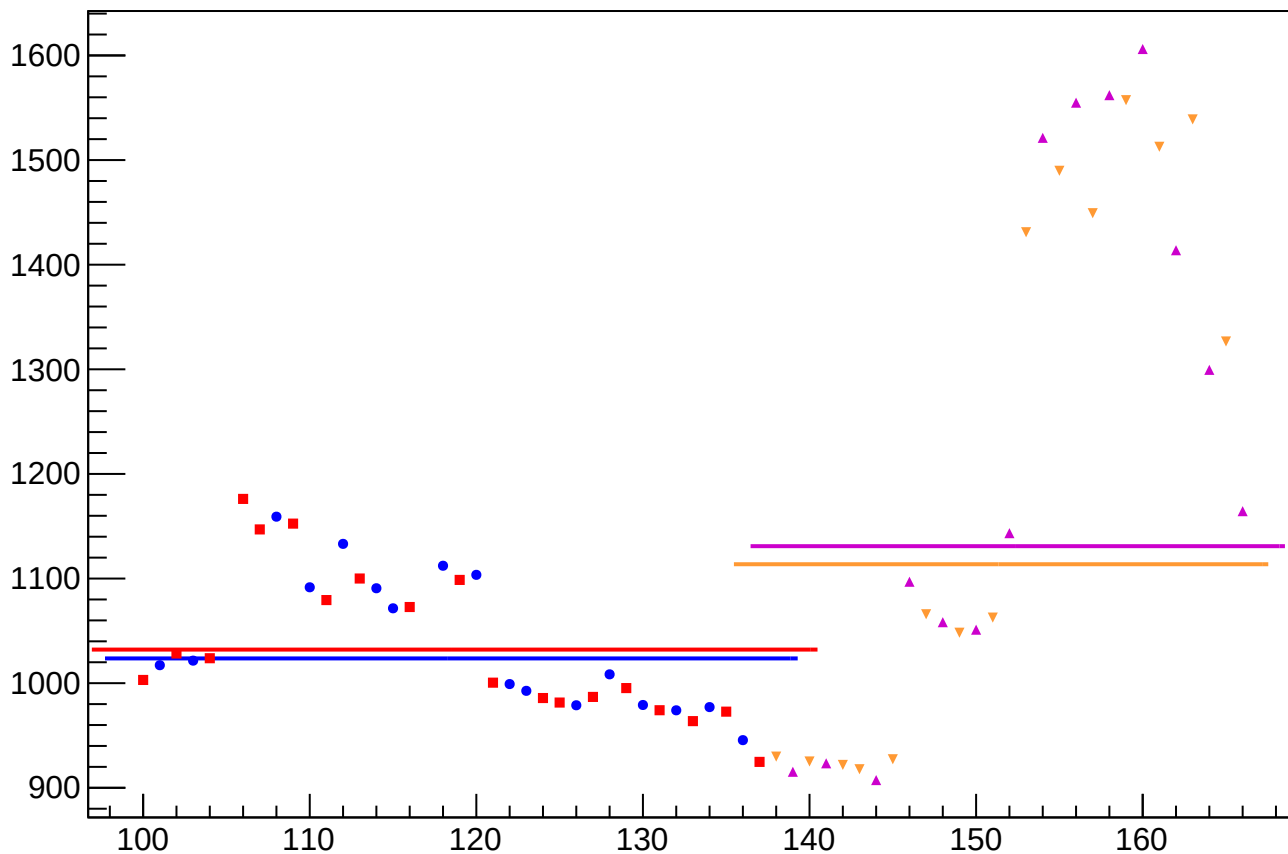
Left In: 3.730 ± 0.352 χ^2/NDF : 126.3/13

+ sign 1.640 ± 0.259 χ^2/NDF : 146.4/31

All: 2.836 ± 0.183 χ^2/NDF : 420.7/64

- sign 4.044 ± 0.260 χ^2/NDF : 231.4/32

diff_bpm2i01Y_rms vs Slug



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

Left Out: 1113.685+/-0.242 χ^2/NDF : 940945.6/14

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

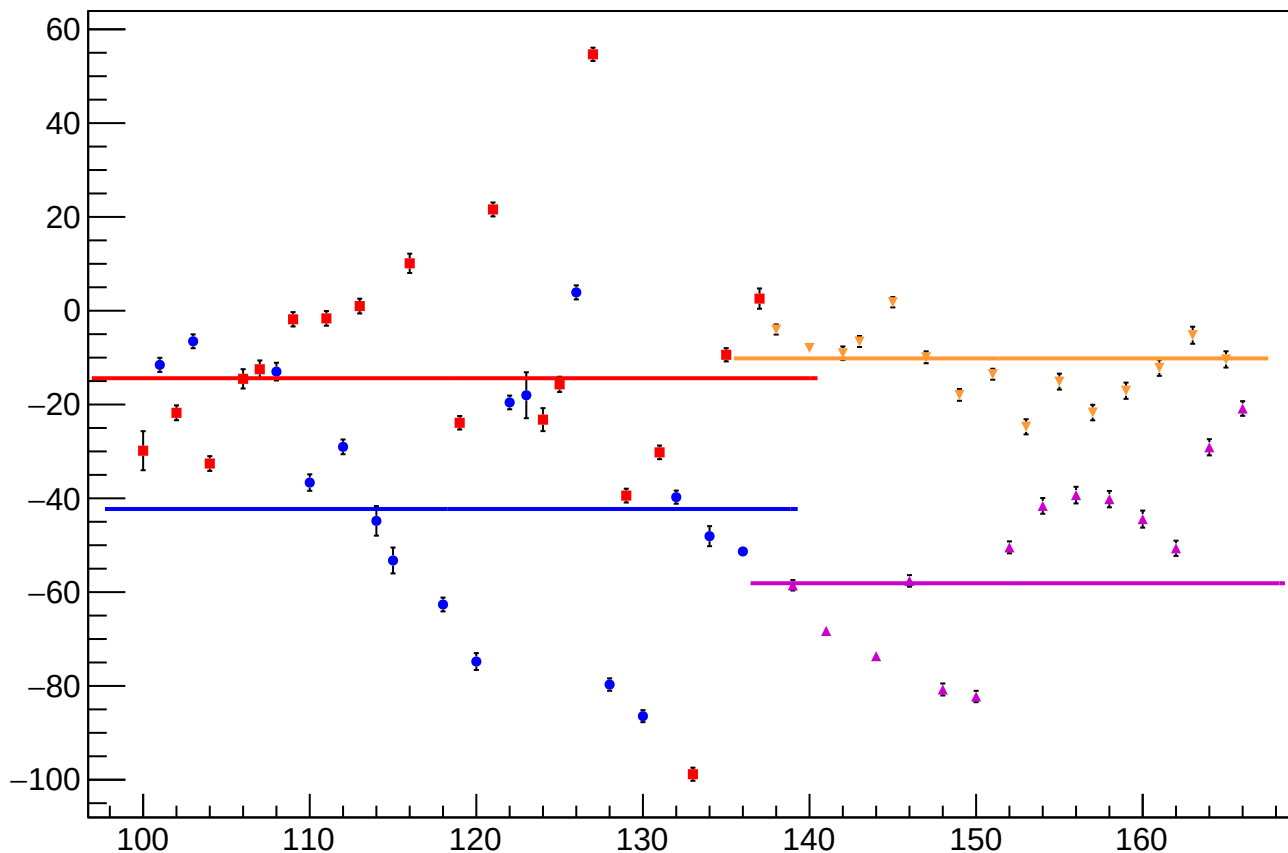
Left In: 1130.951+/-0.249 χ^2/NDF : 852541.8/13

+ sign 1075.046+/-0.183 χ^2/NDF : 1052631.6/31

All: 1080.603+/-0.130 χ^2/NDF : 2037949.3/64

- sign 1086.219+/-0.184 χ^2/NDF : 983463.2/32

diff_bpm2i02X_mean vs Slug



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

Left Out: -10.170 ± 0.350 $\chi^2/\text{NDF}: 375.1/14$

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

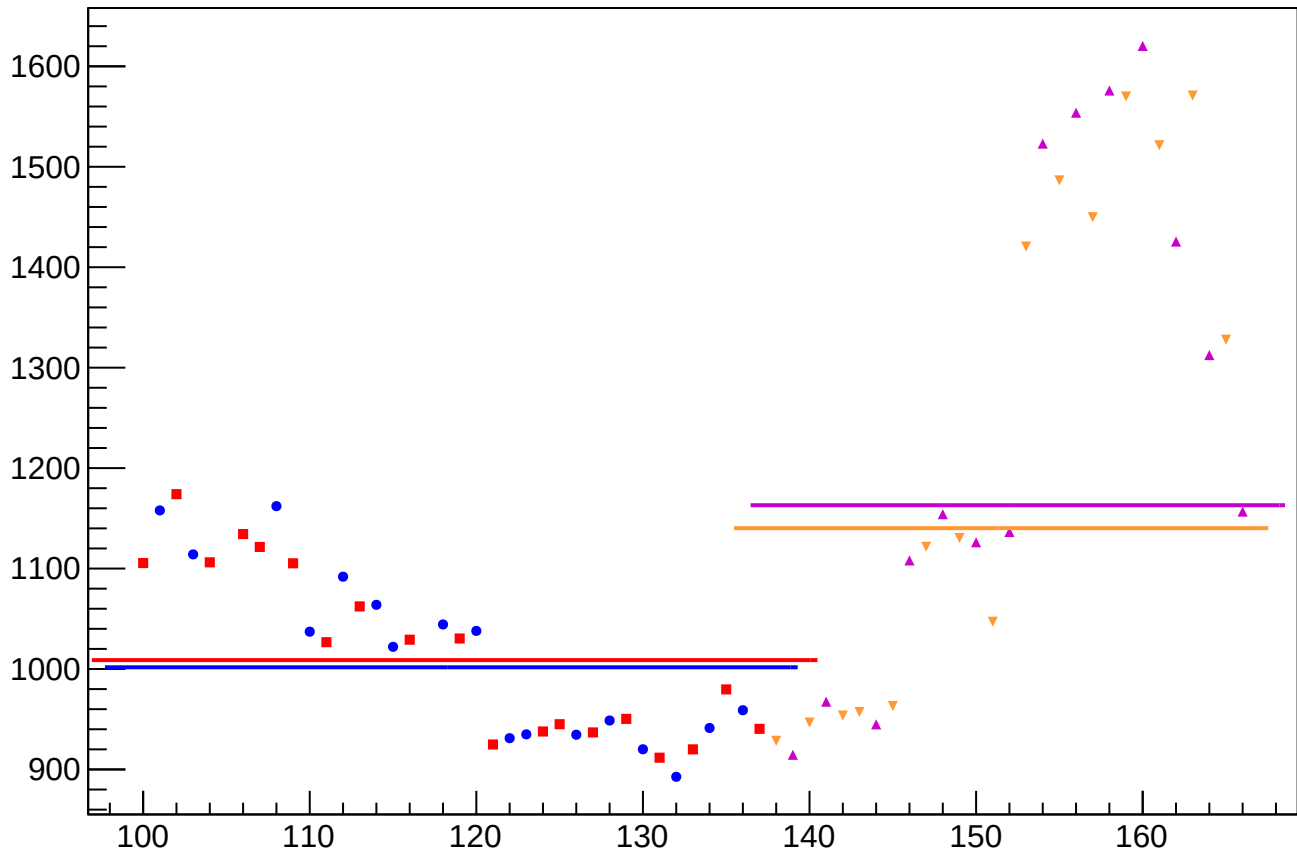
Left In: -58.107 ± 0.361 $\chi^2/\text{NDF}: 2316.7/13$

+ sign -24.616 ± 0.260 $\chi^2/\text{NDF}: 9286.1/31$

All: -30.913 ± 0.184 $\chi^2/\text{NDF}: 27442.4/64$

- sign -37.285 ± 0.261 $\chi^2/\text{NDF}: 16973.0/32$

diff_bpm2i02X_rms vs Slug



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

Left Out: 1140.233 $\pm$ 0.248 χ^2 /NDF: 860969.7/14

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

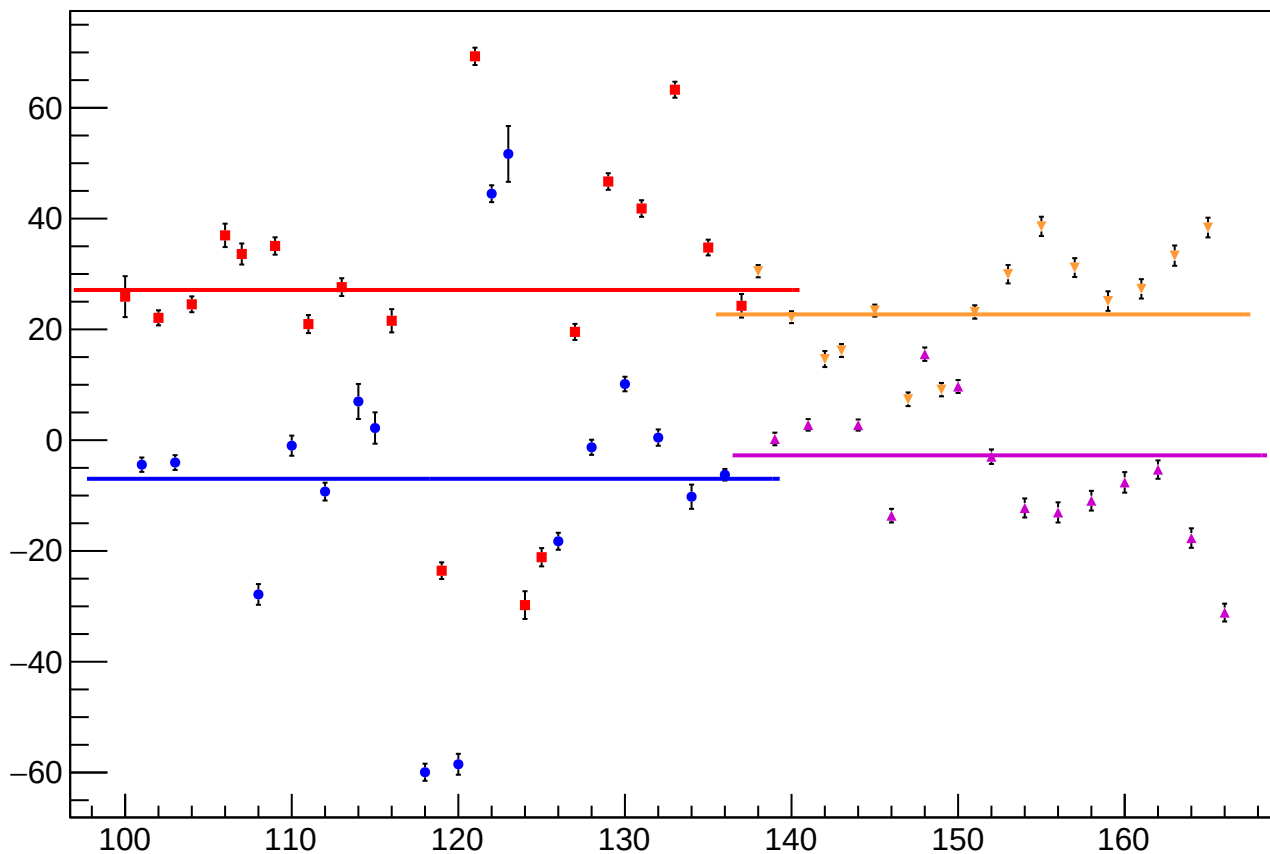
Left In: 1163.066 $\pm$ 0.255 χ^2 /NDF: 762152.2/13

+ sign 1077.907 $\pm$ 0.184 χ^2 /NDF: 1097320.7/31

All: 1083.723 $\pm$ 0.130 χ^2 /NDF: 2130751.0/64

- sign 1089.608 $\pm$ 0.185 χ^2 /NDF: 1031411.6/32

diff_bpm2i02Y_mean vs Slug



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

Left Out: 22.705 ± 0.352 χ^2/NDF : 638.5/14

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

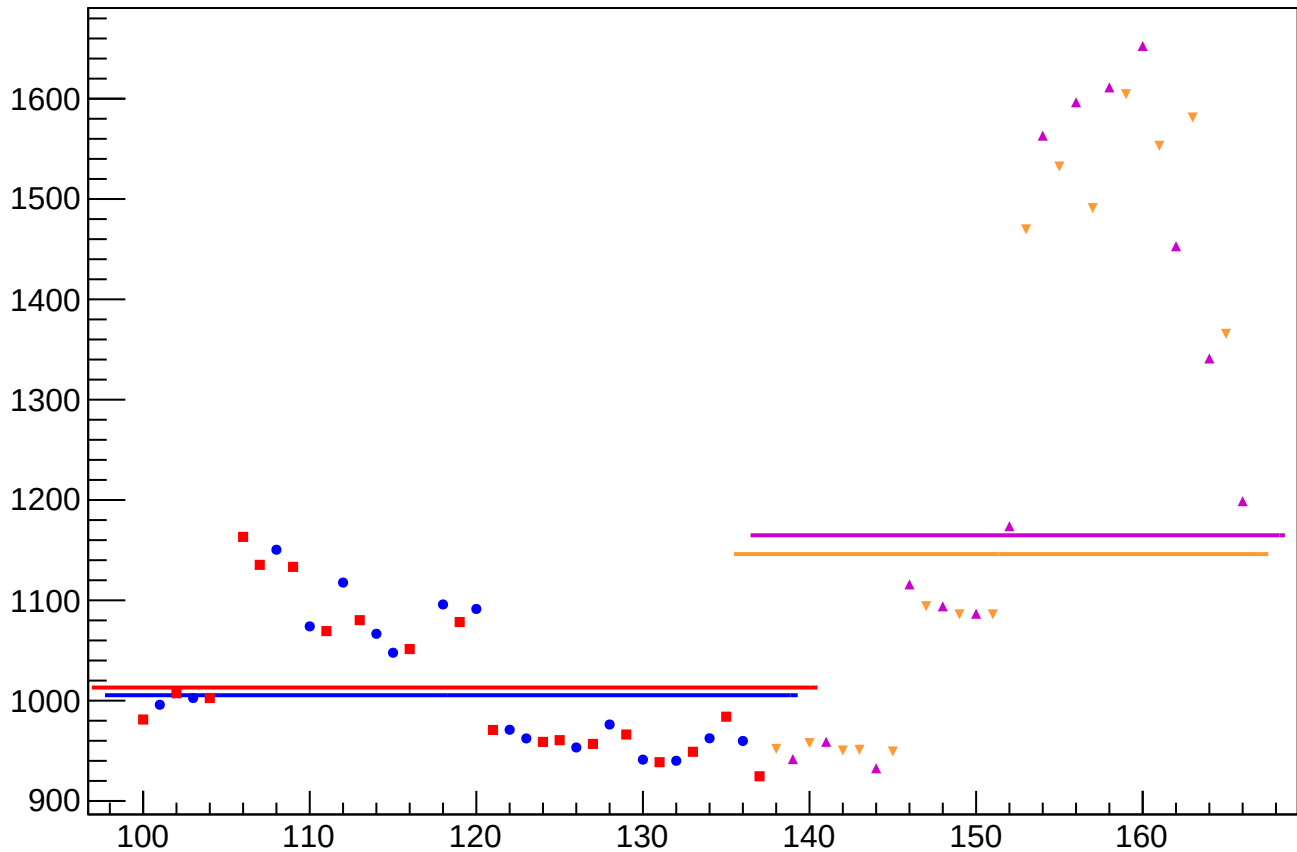
Left In: -2.740 ± 0.362 χ^2/NDF : 954.7/13

+ sign 9.288 ± 0.261 χ^2/NDF : 7482.2/31

All: 10.380 ± 0.185 χ^2/NDF : 15995.1/64

- sign 11.481 ± 0.262 χ^2/NDF : 8477.7/32

diff_bpm2i02Y_rms vs Slug



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

Left Out: 1146.083+/-0.249 χ^2/NDF : 936093.0/14

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

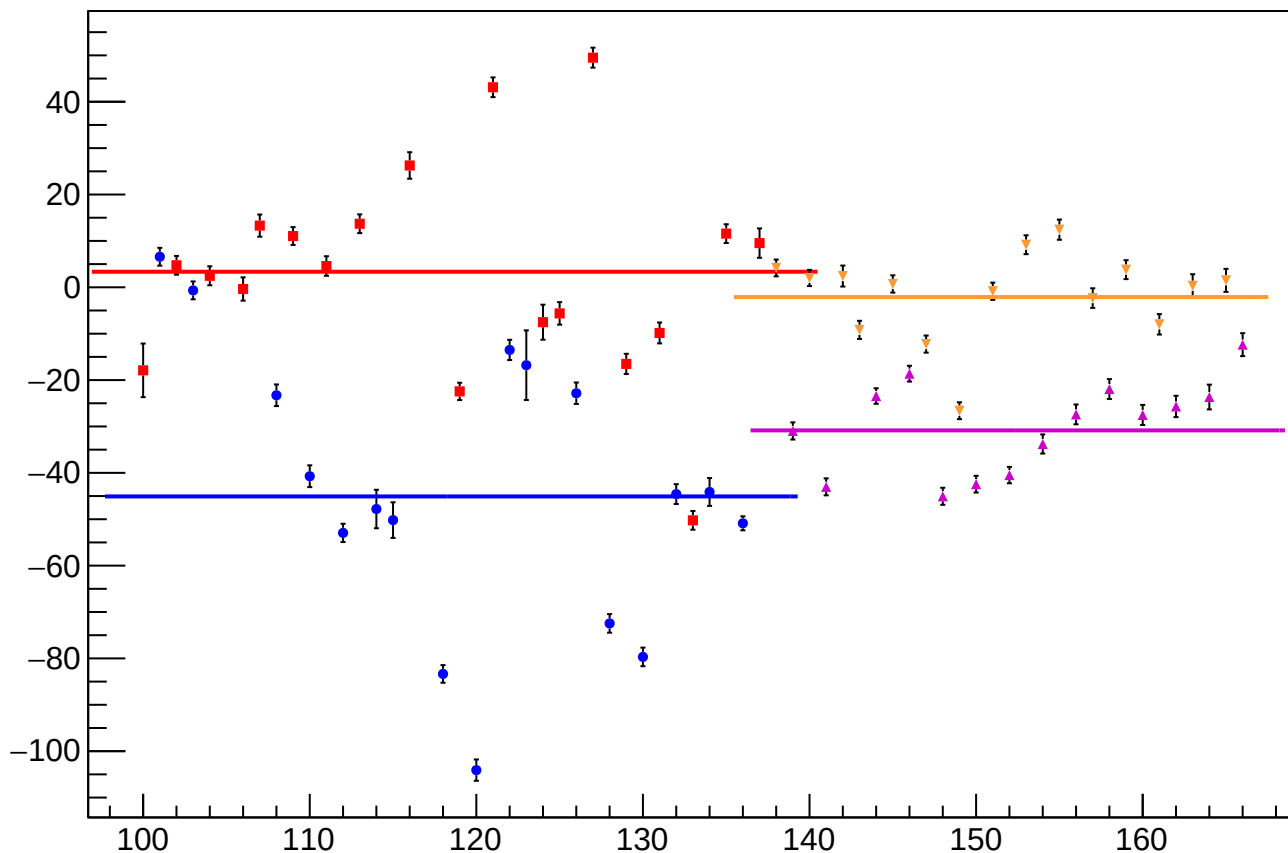
Left In: 1164.838+/-0.256 χ^2/NDF : 844342.9/13

+ sign 1082.492+/-0.184 χ^2/NDF : 1134770.0/31

All: 1087.497+/-0.131 χ^2/NDF : 2211298.6/64

- sign 1092.545+/-0.185 χ^2/NDF : 1075049.4/32

diff_bpm0i02X_mean vs Slug



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

Left Out: -2.104 ± 0.519 χ^2/NDF : 344.0/14

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

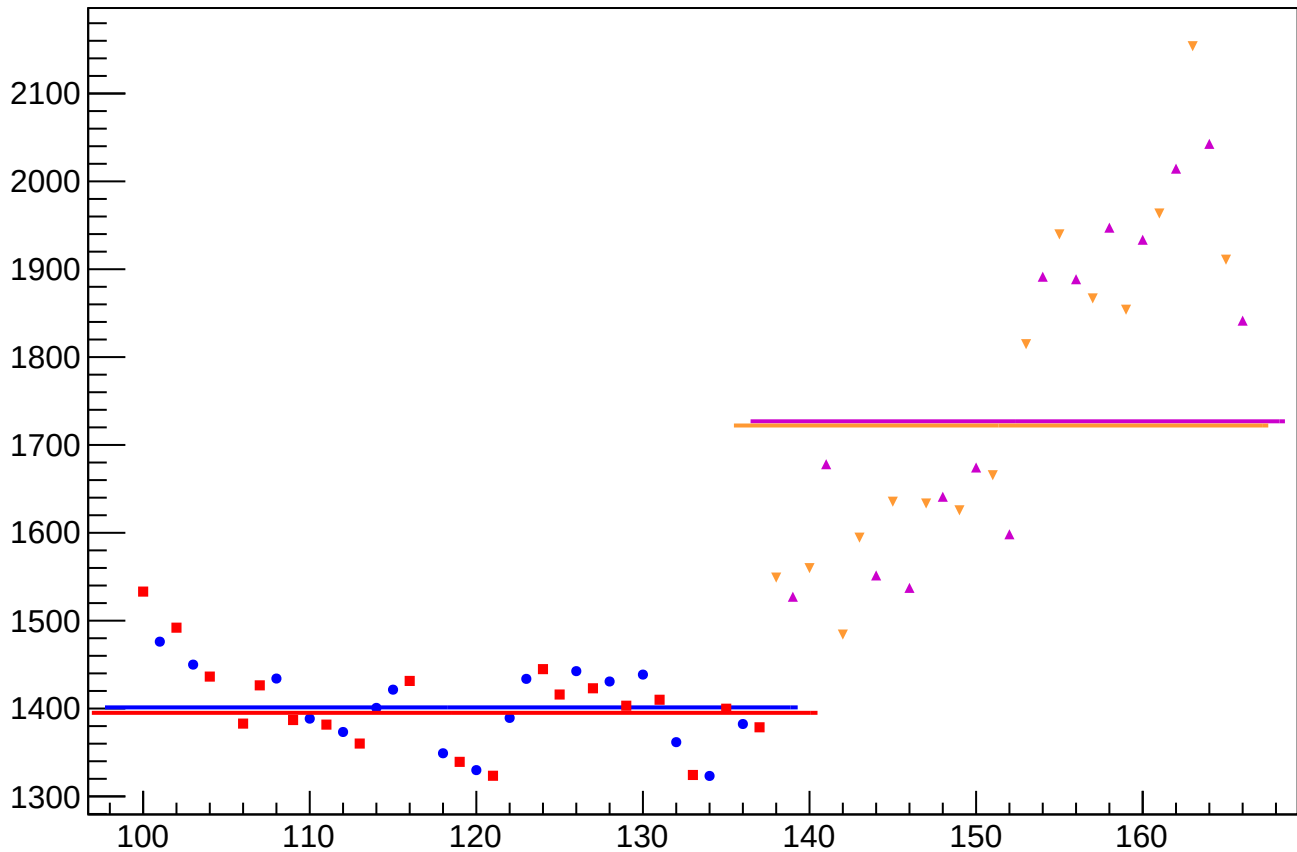
Left In: -30.846 ± 0.527 χ^2/NDF : 338.7/13

+ sign -22.755 ± 0.374 χ^2/NDF : 6876.3/31

All: -18.119 ± 0.263 χ^2/NDF : 11650.4/64

- sign -13.560 ± 0.371 χ^2/NDF : 4469.5/32

diff_bpm0i02X_rms vs Slug



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

Left Out: 1722.134+/-0.367 χ^2/NDF : 220273.7/14

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

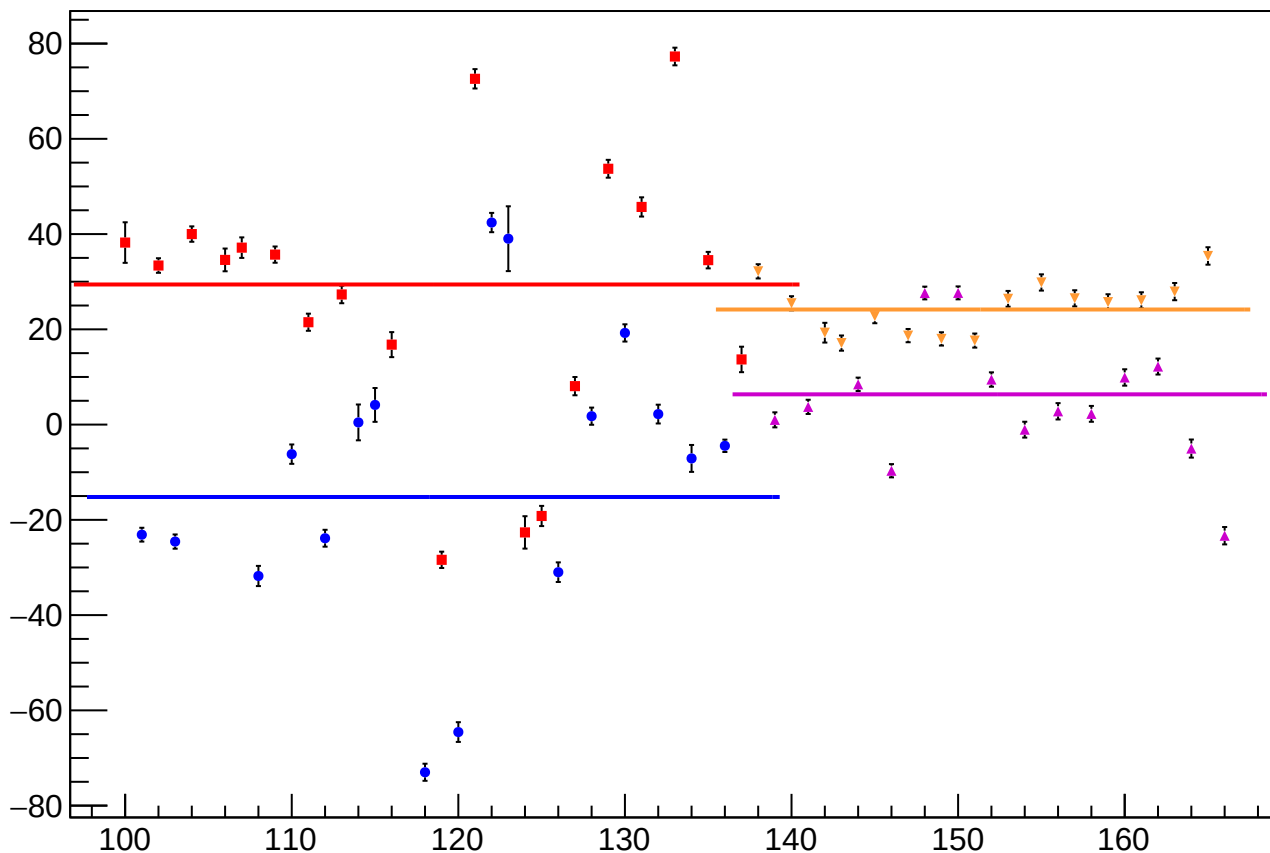
Left In: 1726.908+/-0.373 χ^2/NDF : 215092.4/13

+ sign 1567.976+/-0.265 χ^2/NDF : 600288.5/31

All: 1563.562+/-0.186 χ^2/NDF : 1231427.1/64

- sign 1559.222+/-0.262 χ^2/NDF : 630586.4/32

diff_bpm0i02Y_mean vs Slug



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

Left Out: 24.164 ± 0.414 χ^2/NDF : 168.8/14

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

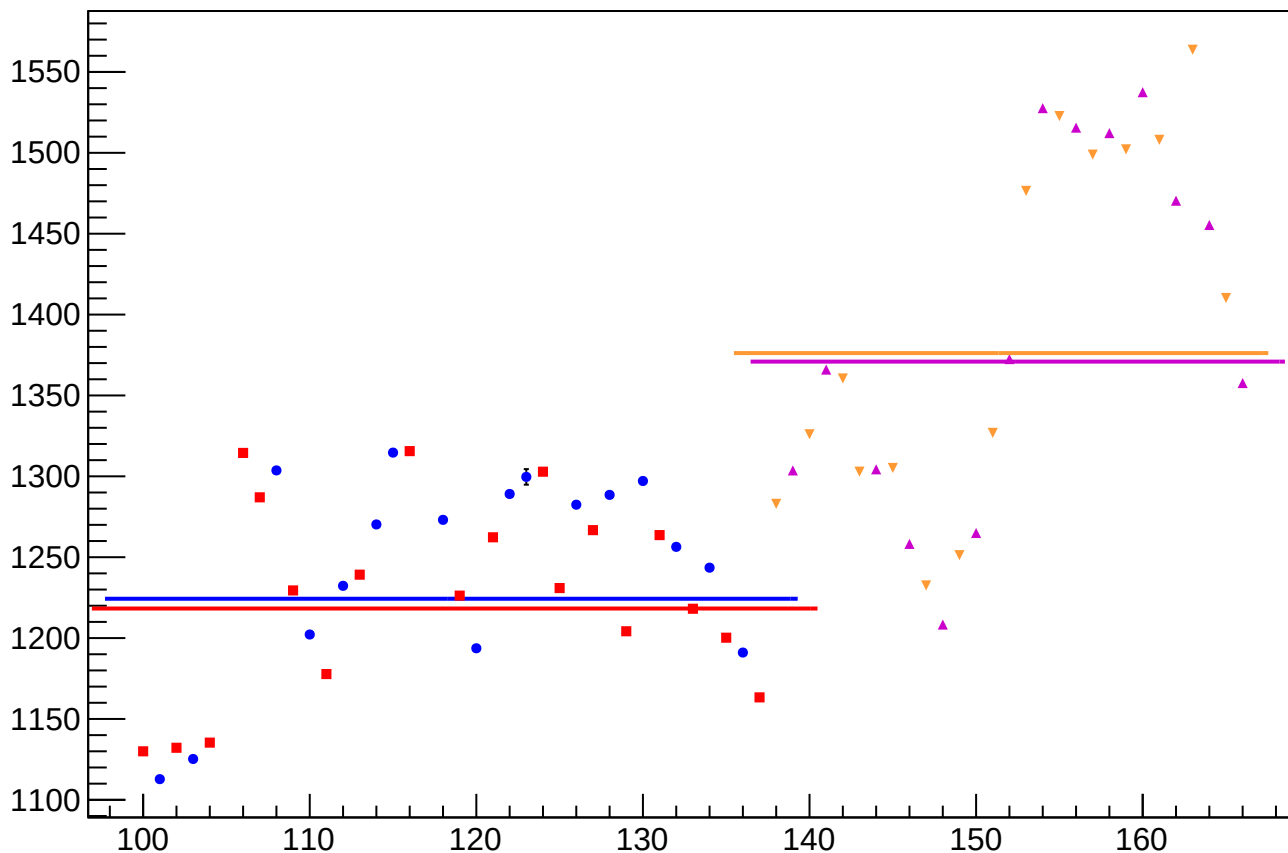
Left In: 6.353 ± 0.418 χ^2/NDF : 997.6/13

+ sign 7.054 ± 0.311 χ^2/NDF : 7461.8/31

All: 12.013 ± 0.219 χ^2/NDF : 13897.4/64

- sign 16.870 ± 0.308 χ^2/NDF : 5933.1/32

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1376.194+/-0.293 χ^2/NDF : 136940.2/14

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

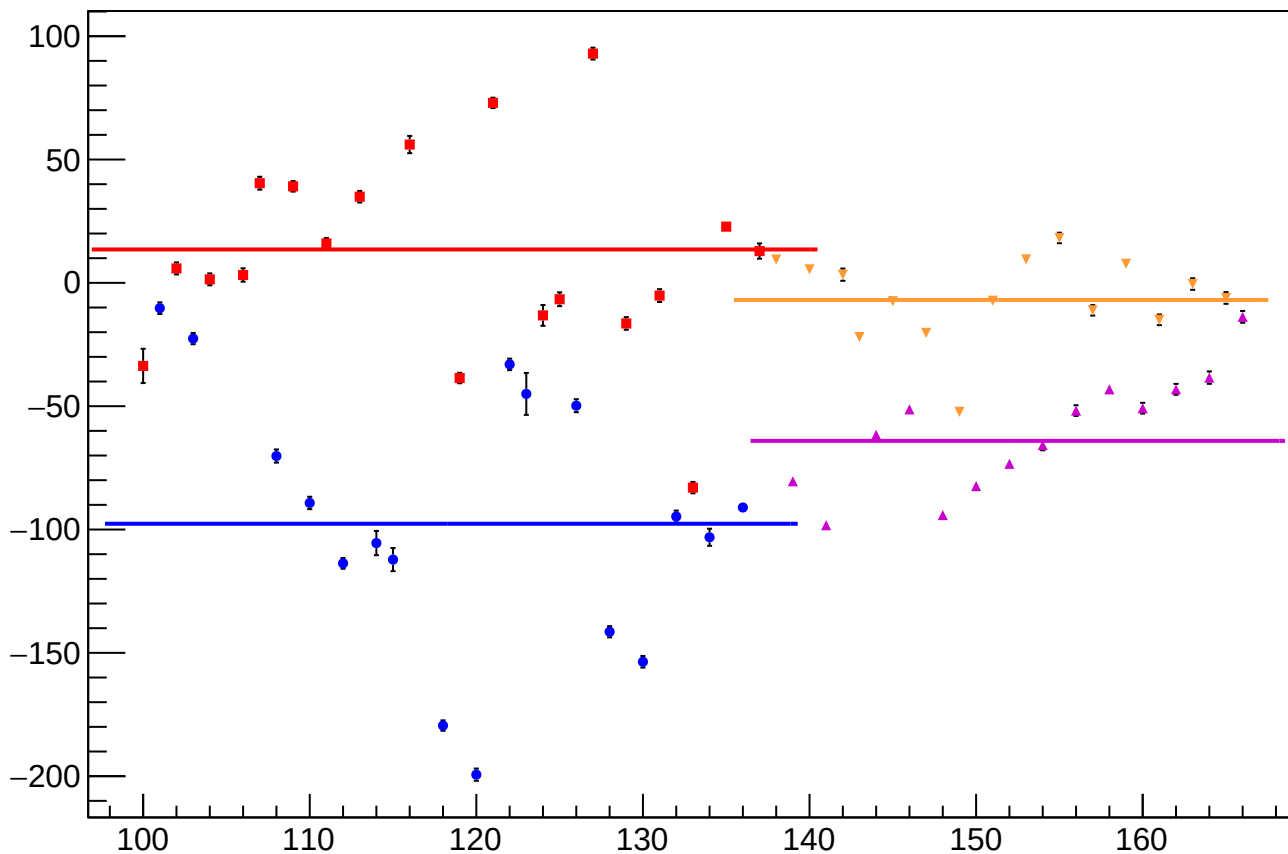
Left In: 1370.921+/-0.295 χ^2/NDF : 138882.6/13

+ sign 1310.183+/-0.220 χ^2/NDF : 292729.3/31

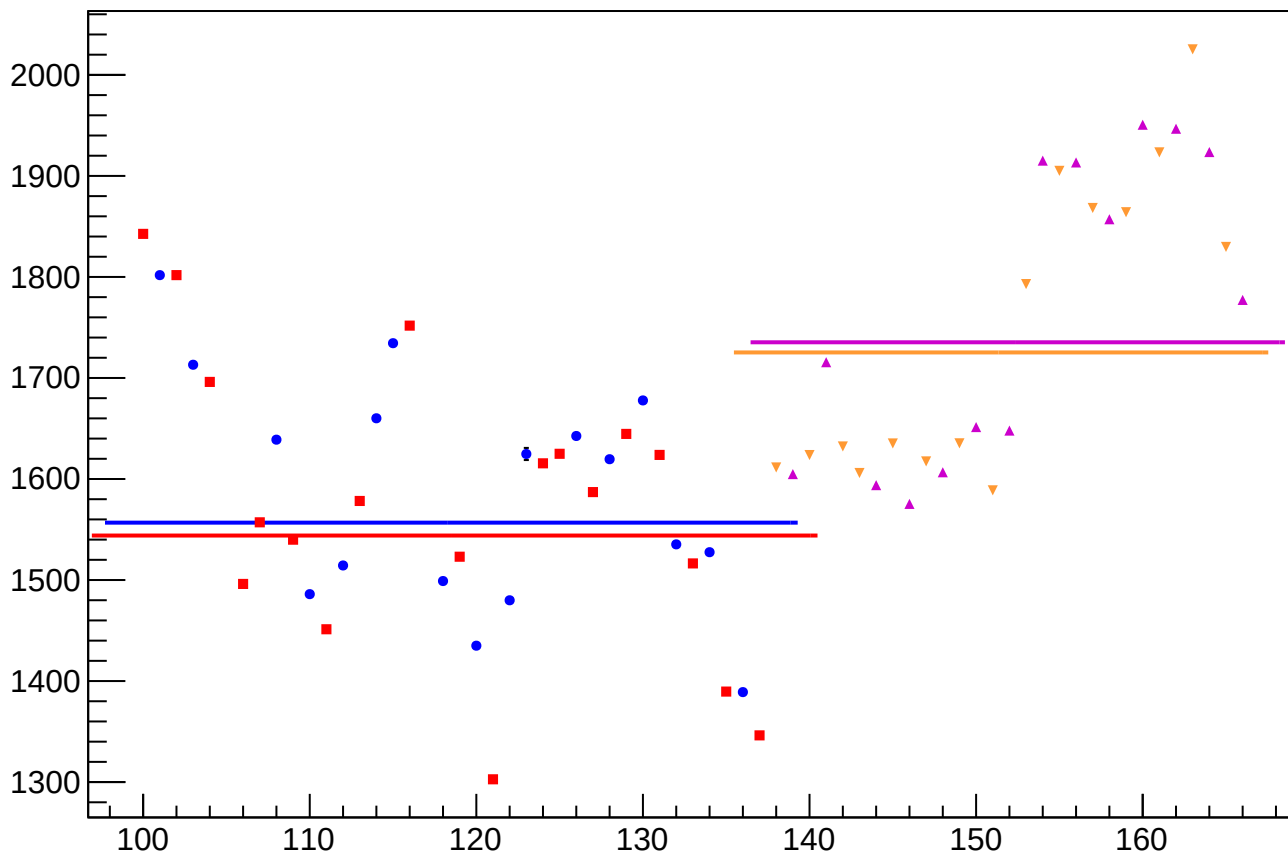
All: 1305.704+/-0.155 χ^2/NDF : 581822.8/64

- sign 1301.317+/-0.218 χ^2/NDF : 288273.9/32

diff_bpm0i02aX_mean vs Slug



diff_bpm0i02aX_rms vs Slug



Right In: 1556.799 ± 0.425 χ^2/NDF : 81549.2/16

Left Out: 1725.271 ± 0.367 χ^2/NDF : 140265.1/14

Right Out: 1544.034 ± 0.410 χ^2/NDF : 100501.7/18

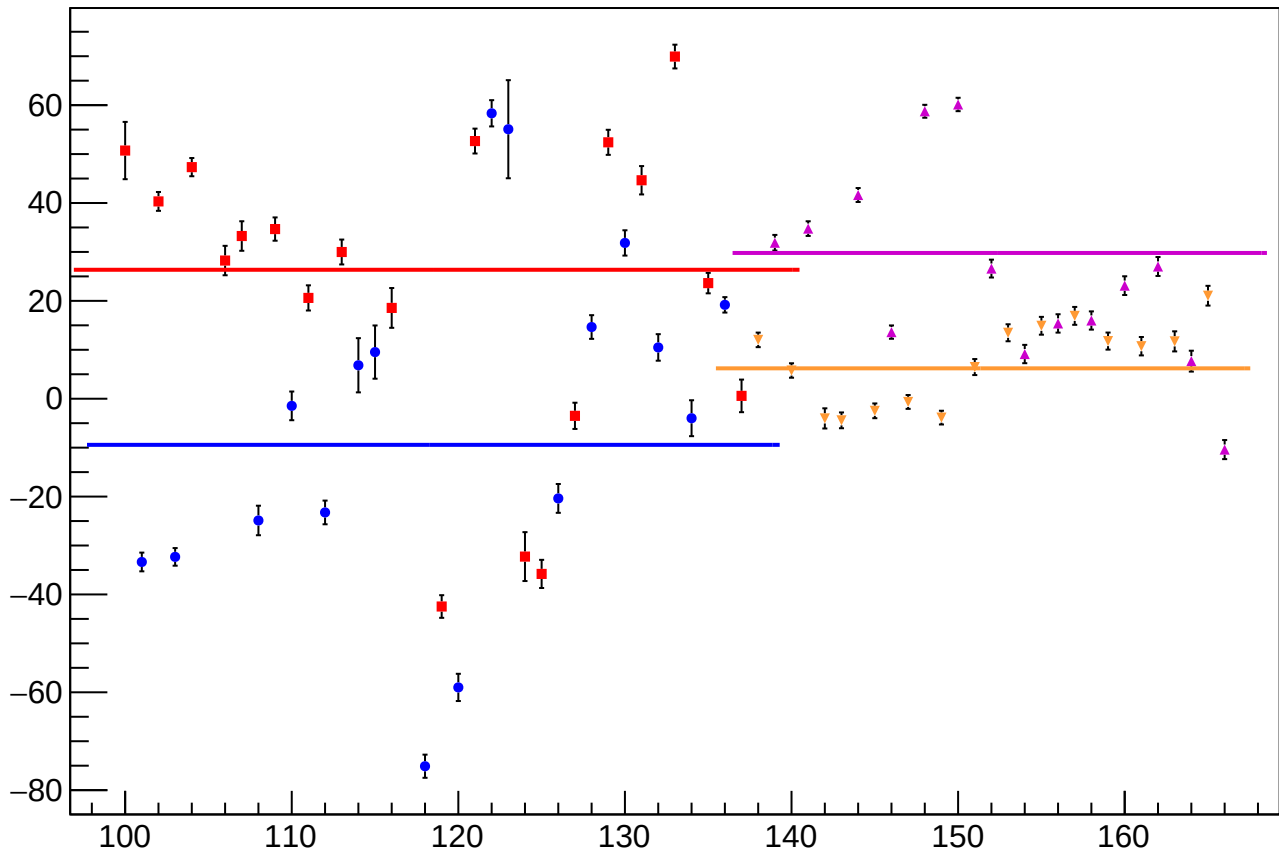
Left In: 1735.319 ± 0.374 χ^2/NDF : 143834.4/13

+ sign 1653.319 ± 0.278 χ^2/NDF : 311756.5/31

All: 1650.835 ± 0.196 χ^2/NDF : 675176.2/64

- sign 1648.380 ± 0.276 χ^2/NDF : 363260.8/32

diff_bpm0i02aY_mean vs Slug



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

Left Out: 6.209 ± 0.431 χ^2/NDF : 343.5/14

Right Out: 26.354 ± 0.603 χ^2/NDF : 2472.1/18

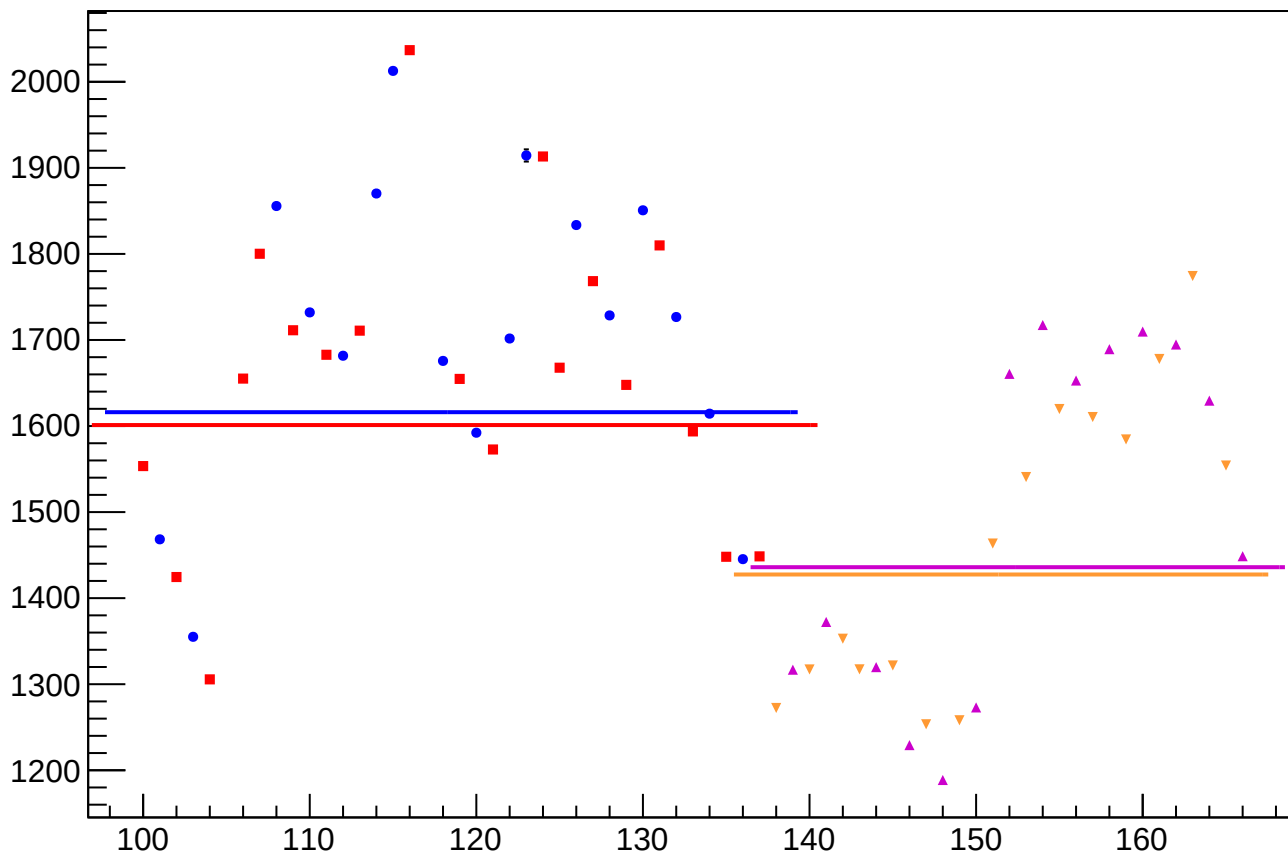
Left In: 29.791 ± 0.441 χ^2/NDF : 1979.0/13

+ sign 1.180 ± 0.355 χ^2/NDF : 3690.2/31

All: 14.872 ± 0.251 χ^2/NDF : 11136.5/64

- sign 28.595 ± 0.356 χ^2/NDF : 4472.3/32

diff_bpm0i02aY_rms vs Slug



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

Left Out: 1427.482+/-0.305 χ^2/NDF : 282487.4/14

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

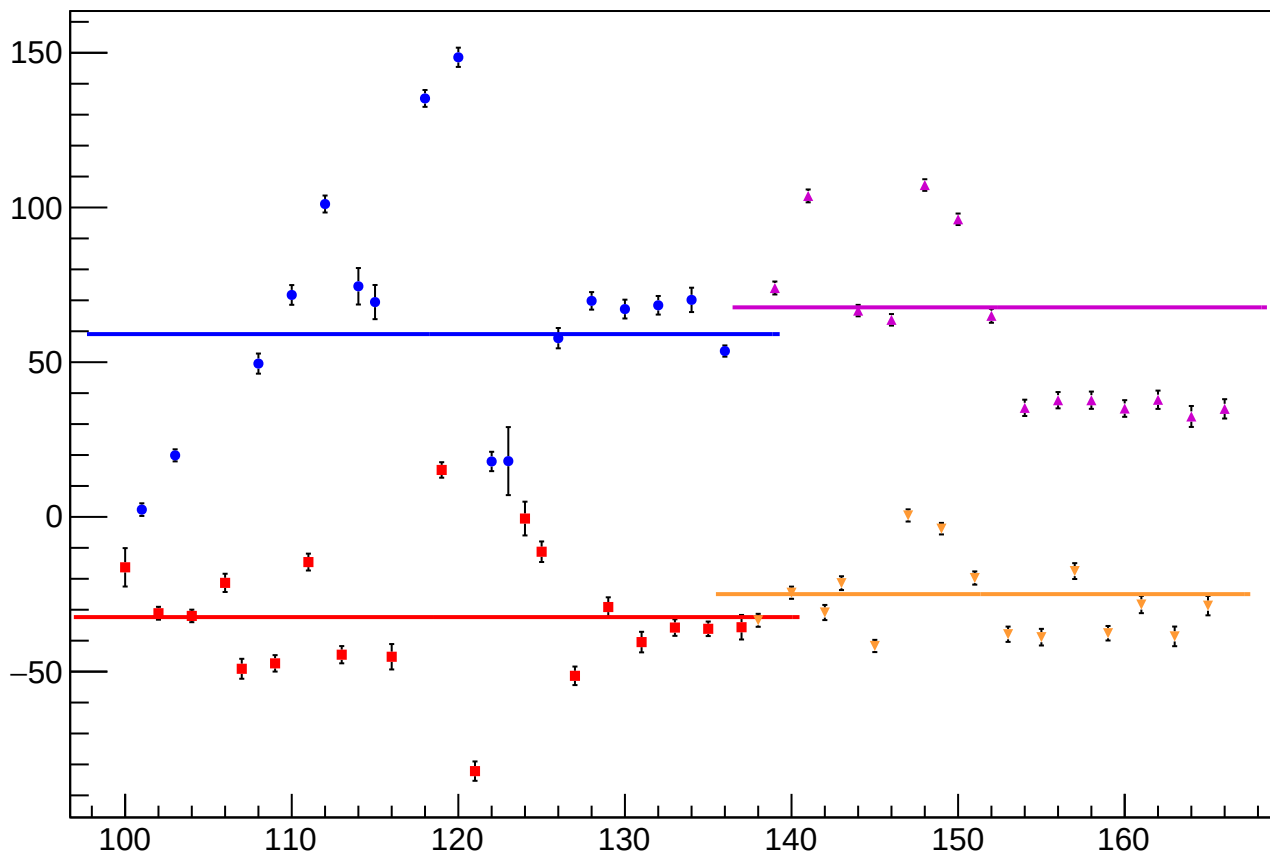
Left In: 1435.970+/-0.311 χ^2/NDF : 404741.9/13

+ sign 1488.138+/-0.251 χ^2/NDF : 555076.7/31

All: 1490.800+/-0.178 χ^2/NDF : 1211573.2/64

- sign 1493.469+/-0.251 χ^2/NDF : 656271.6/32

diff_bpm0i05X_mean vs Slug



Right In: 59.081 ± 0.699 χ^2/NDF : 3293.6/16

Left Out: -24.958 ± 0.594 χ^2/NDF : 510.4/14

Right Out: -32.382 ± 0.666 χ^2/NDF : 891.5/18

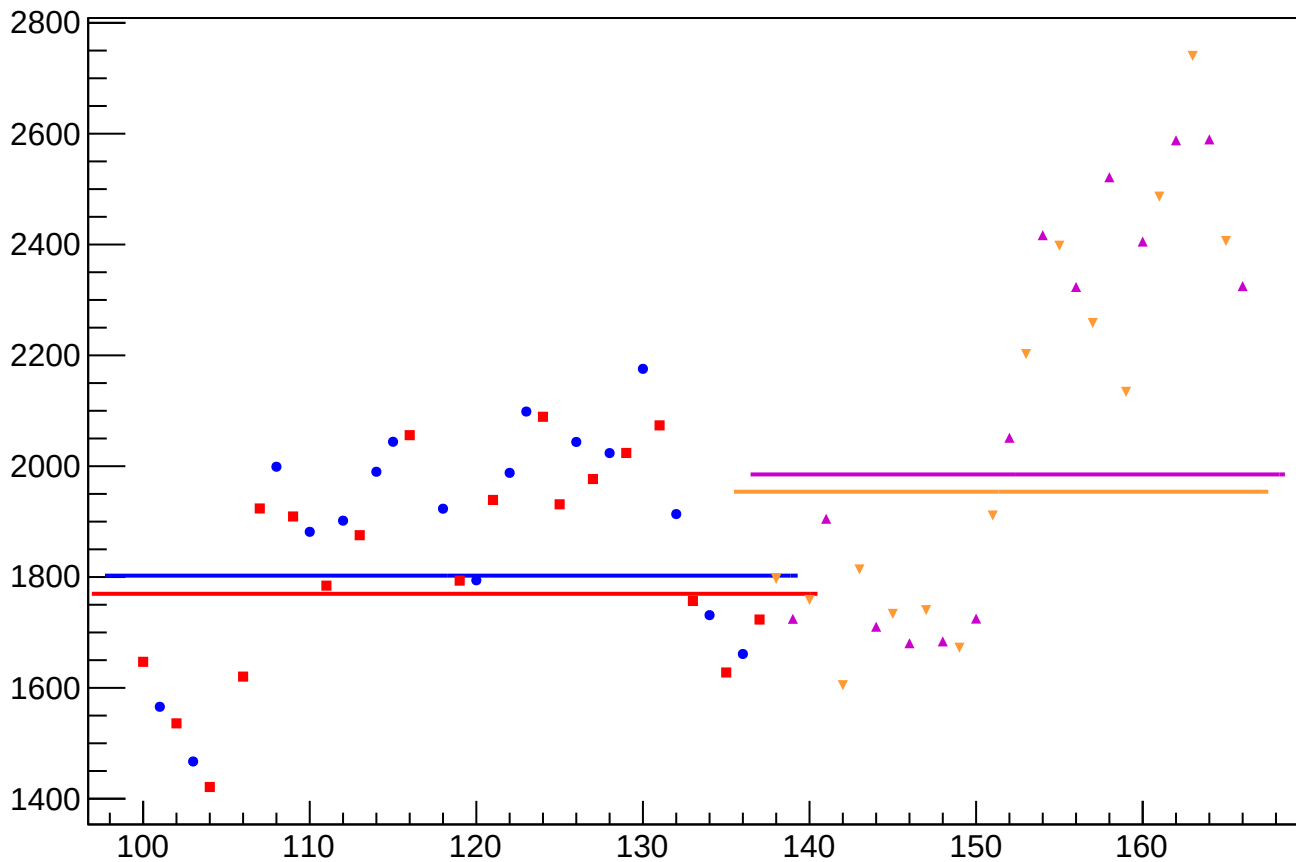
Left In: 67.728 ± 0.612 χ^2/NDF : 1858.3/13

+ sign 10.238 ± 0.453 χ^2/NDF : 12194.0/31

All: 16.099 ± 0.319 χ^2/NDF : 27514.2/64

- sign 21.913 ± 0.451 χ^2/NDF : 14986.3/32

diff_bpm0i05X_rms vs Slug



Right In: 1802.524+/-0.495 χ^2/NDF : 184069.0/16

Left Out: 1953.973+/-0.420 χ^2/NDF : 526437.5/14

Right Out: 1769.772+/-0.471 χ^2/NDF : 177893.4/18

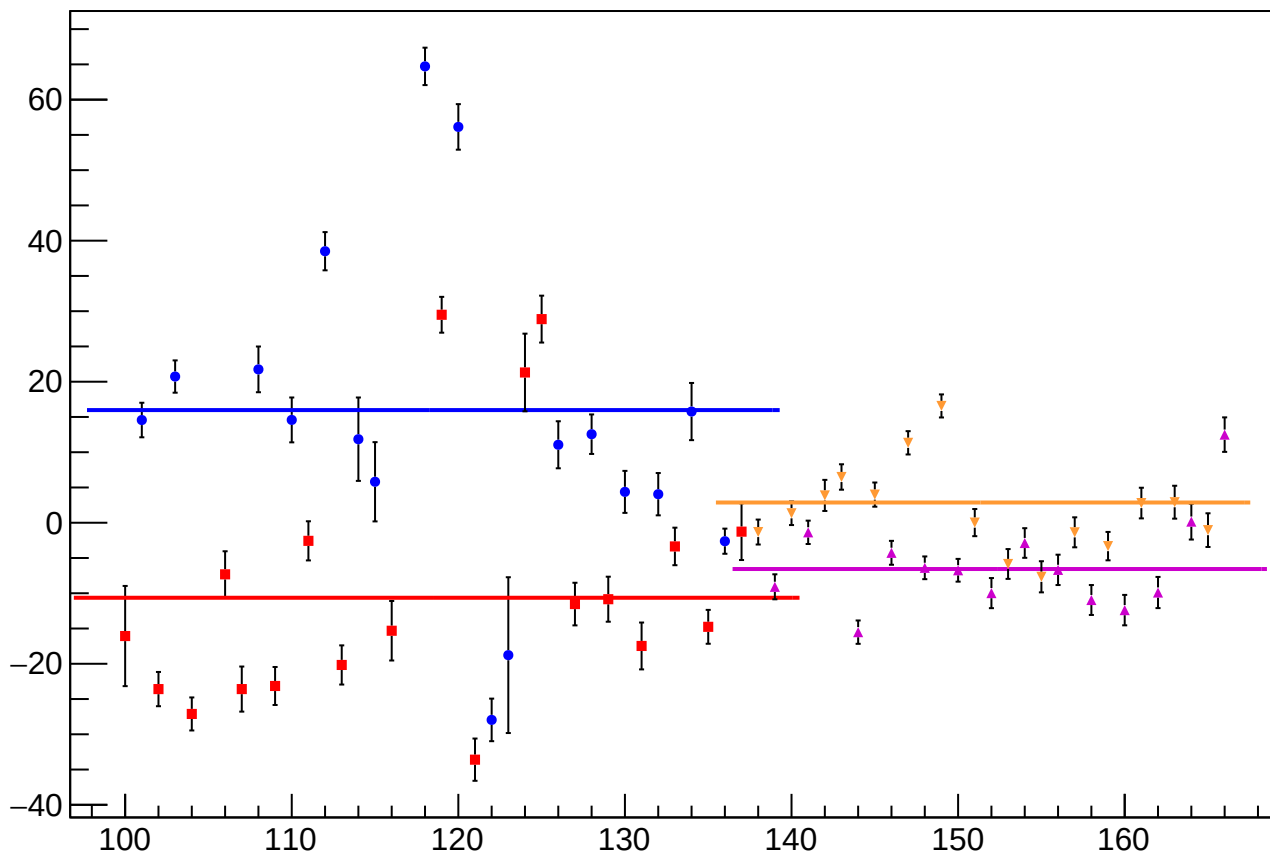
Left In: 1985.154+/-0.433 χ^2/NDF : 603841.1/13

+ sign 1890.545+/-0.320 χ^2/NDF : 765001.6/31

All: 1888.557+/-0.226 χ^2/NDF : 1660091.7/64

- sign 1886.585+/-0.319 χ^2/NDF : 895013.3/32

diff_bpm0i05Y_mean vs Slug



Right In: 15.976 ± 0.722 χ^2/NDF : 938.4/16

Left Out: 2.870 ± 0.500 χ^2/NDF : 165.5/14

Right Out: -10.638 ± 0.693 χ^2/NDF : 642.1/18

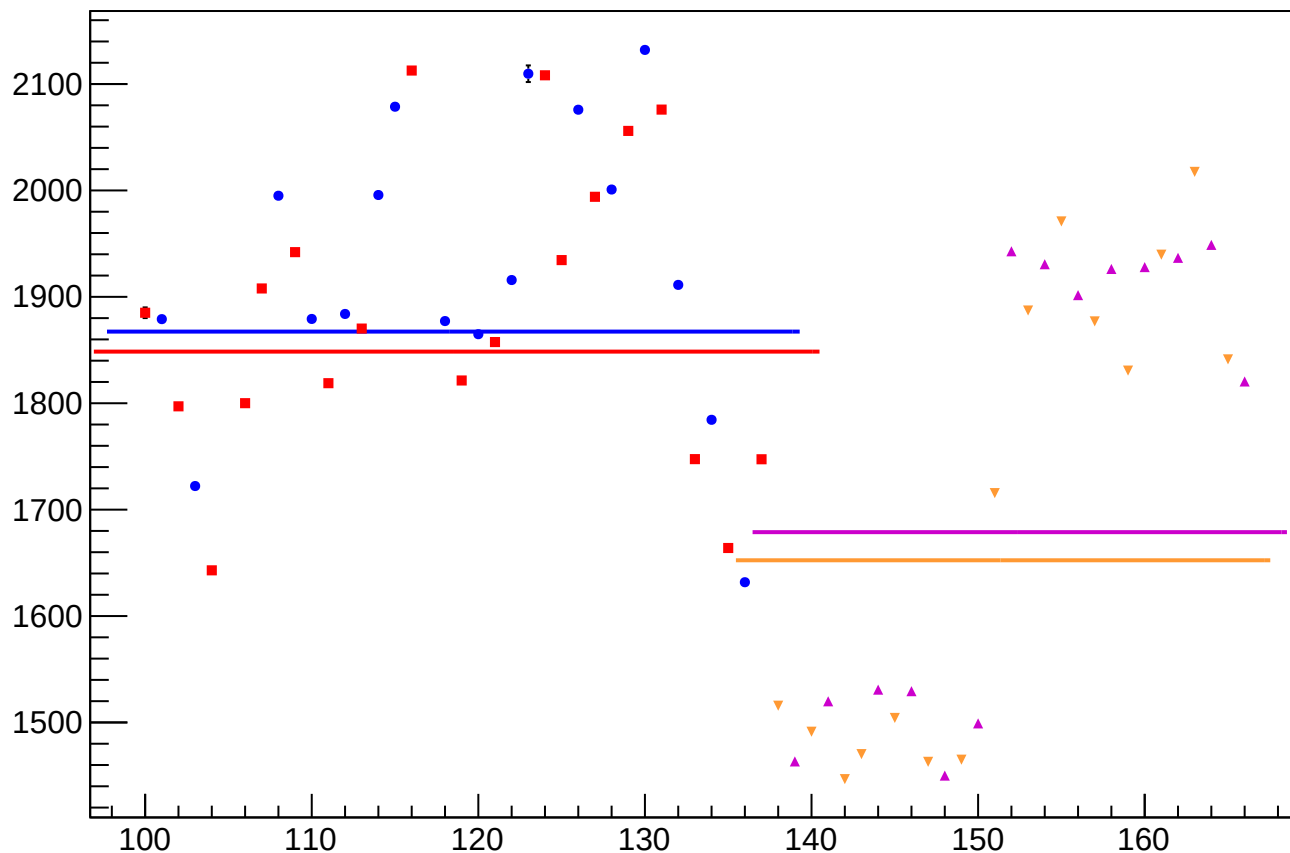
Left In: -6.562 ± 0.514 χ^2/NDF : 130.2/13

+ sign 7.116 ± 0.411 χ^2/NDF : 1326.9/31

All: -0.408 ± 0.291 χ^2/NDF : 2795.9/64

- sign -8.007 ± 0.413 χ^2/NDF : 794.6/32

diff_bpm0i05Y_rms vs Slug



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

Left Out: 1652.411+/-0.353 χ^2/NDF : 338588.4/14

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

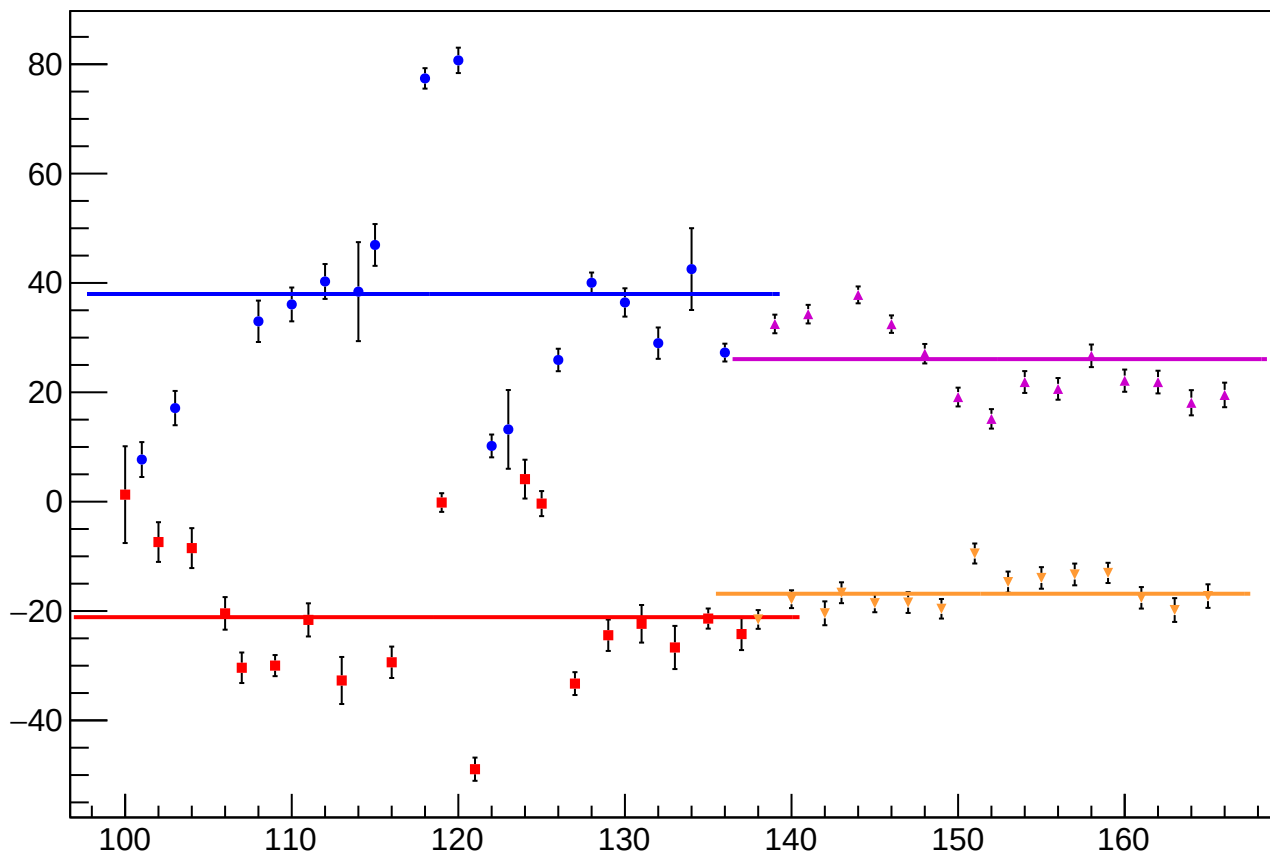
Left In: 1678.849+/-0.363 χ^2/NDF : 335622.6/13

+ sign 1722.037+/-0.290 χ^2/NDF : 539462.2/31

All: 1730.468+/-0.206 χ^2/NDF : 1026641.5/64

- sign 1738.982+/-0.292 χ^2/NDF : 485485.7/32

diff_bpm0i07X_mean vs Slug



Right In: 37.979 $\pm$ 0.637 χ^2 /NDF: 1204.3/16

Left Out: -16.840 $\pm$ 0.487 χ^2 /NDF: 43.8/14

Right Out: -21.124 $\pm$ 0.608 χ^2 /NDF: 573.6/18

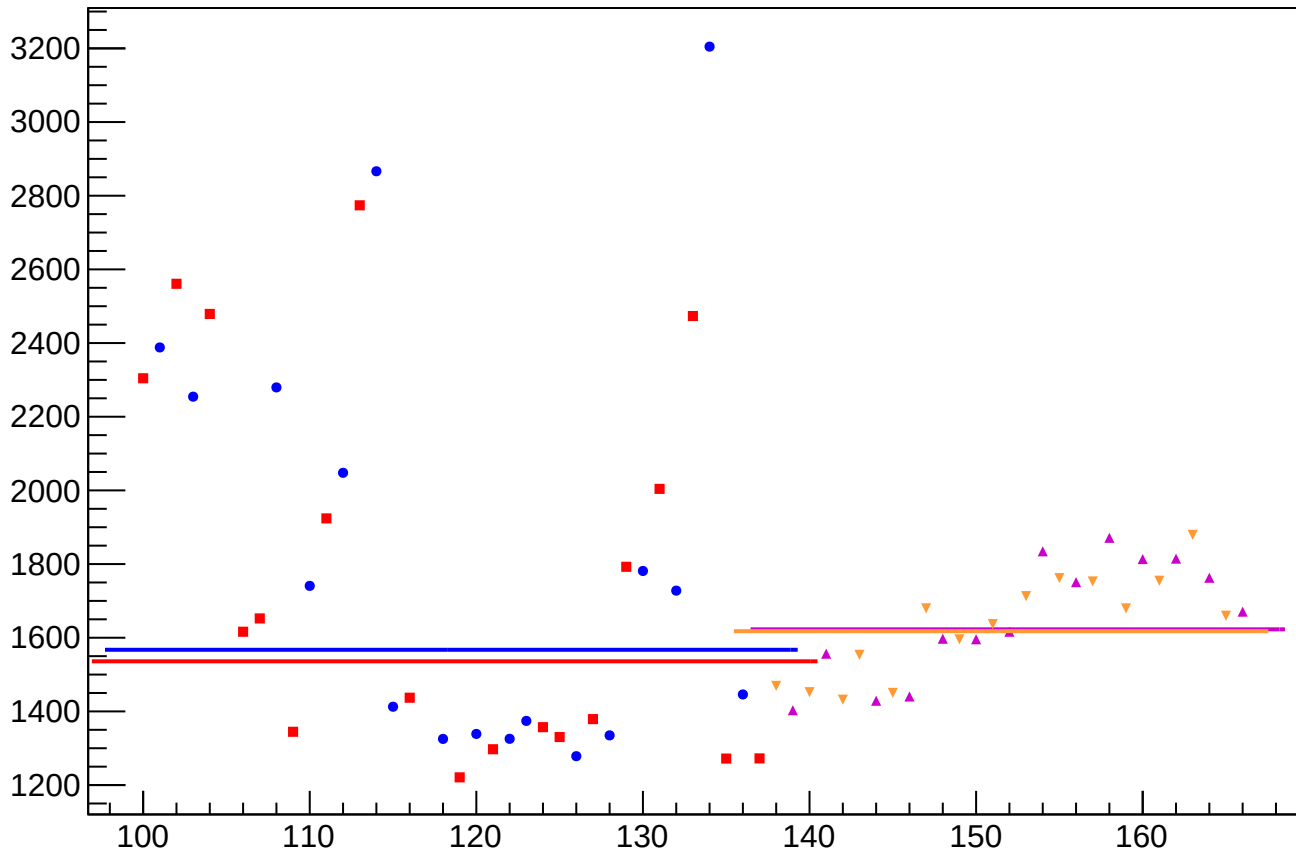
Left In: 26.068 $\pm$ 0.496 χ^2 /NDF: 206.1/13

+ sign 3.384 $\pm$ 0.387 χ^2 /NDF: 5916.5/31

All: 5.325 $\pm$ 0.273 χ^2 /NDF: 10362.9/64

- sign 7.238 $\pm$ 0.384 χ^2 /NDF: 4396.5/32

diff_bpm0i07X_rms vs Slug



Right In: 1567.328+/-0.451 χ^2 /NDF: 673450.6/16

Left Out: 1617.756+/-0.345 χ^2 /NDF: 141941.5/14

Right Out: 1535.967+/-0.430 χ^2 /NDF: 882098.2/18

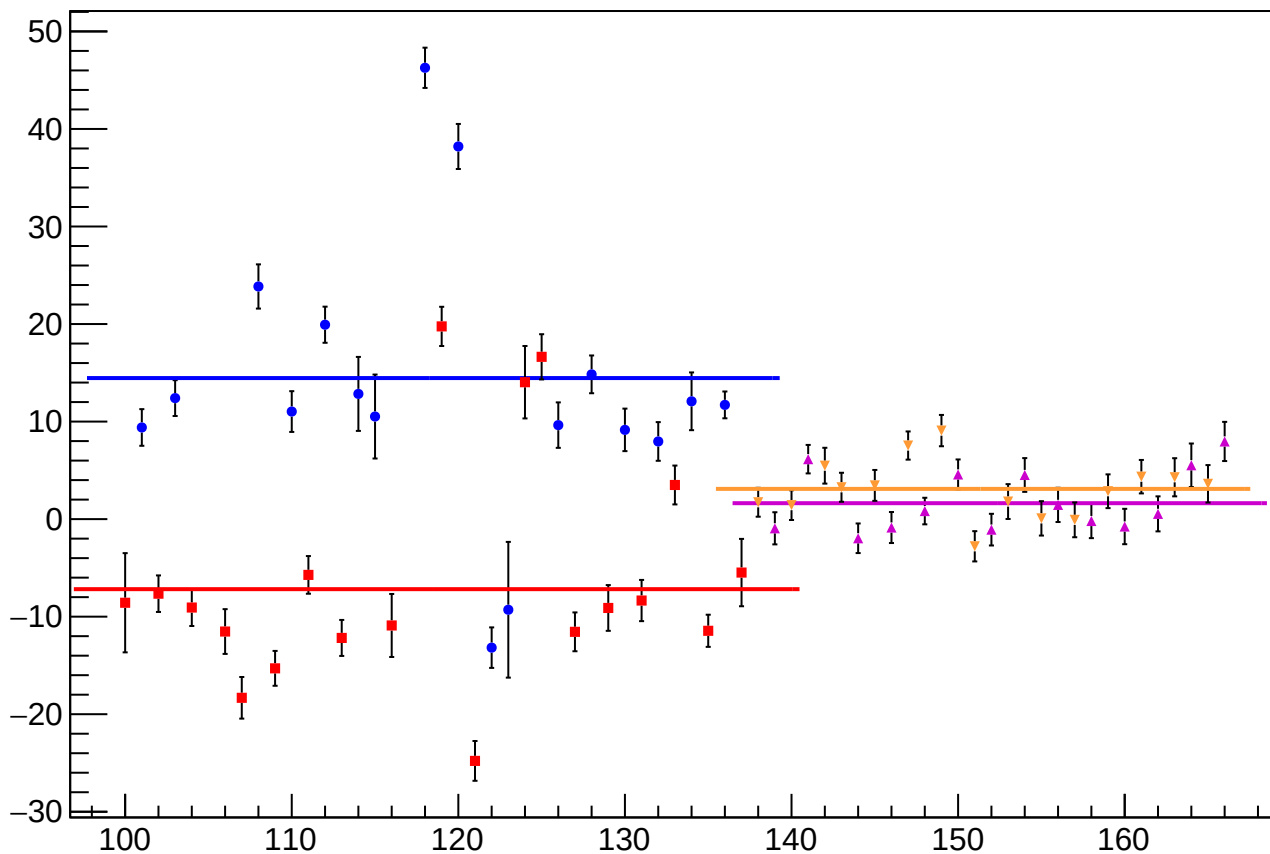
Left In: 1622.860+/-0.351 χ^2 /NDF: 197501.3/13

+ sign 1599.152+/-0.274 χ^2 /NDF: 823293.1/31

All: 1593.630+/-0.193 χ^2 /NDF: 1928223.2/64

- sign 1588.189+/-0.272 χ^2 /NDF: 1104122.1/32

diff_bpm0i07Y_mean vs Slug



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

Left Out: 3.100 $\pm$ 0.427 χ^2 /NDF: 49.1/14

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

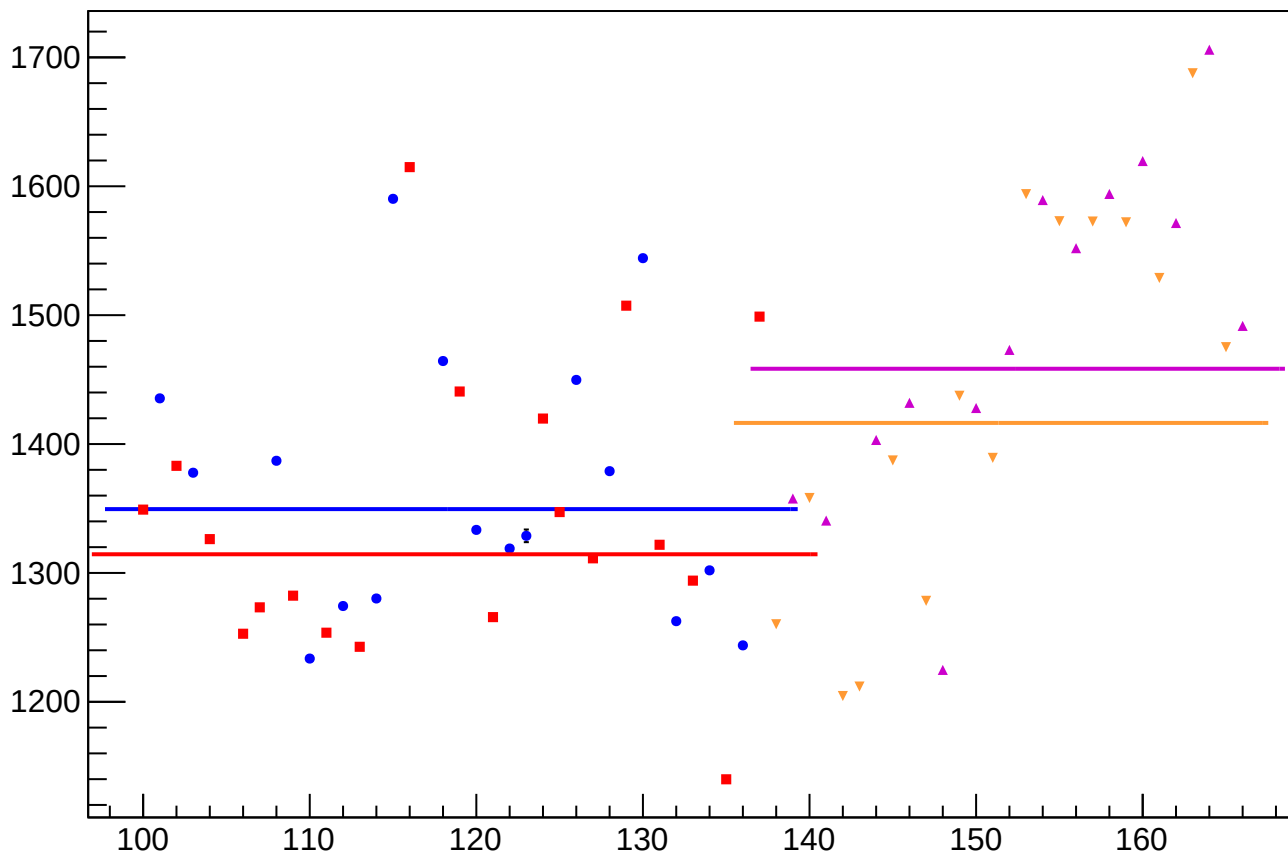
Left In: 1.633 $\pm$ 0.445 χ^2 /NDF: 45.9/13

+ sign 7.647 $\pm$ 0.331 χ^2 /NDF: 927.8/31

All: 2.664 $\pm$ 0.234 χ^2 /NDF: 2097.9/64

- sign -2.310 $\pm$ 0.331 χ^2 /NDF: 717.2/32

diff_bpm0i07Y_rms vs Slug



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

Left Out: 1416.394 $\pm$ 0.302 χ^2 /NDF:225586.7/14

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

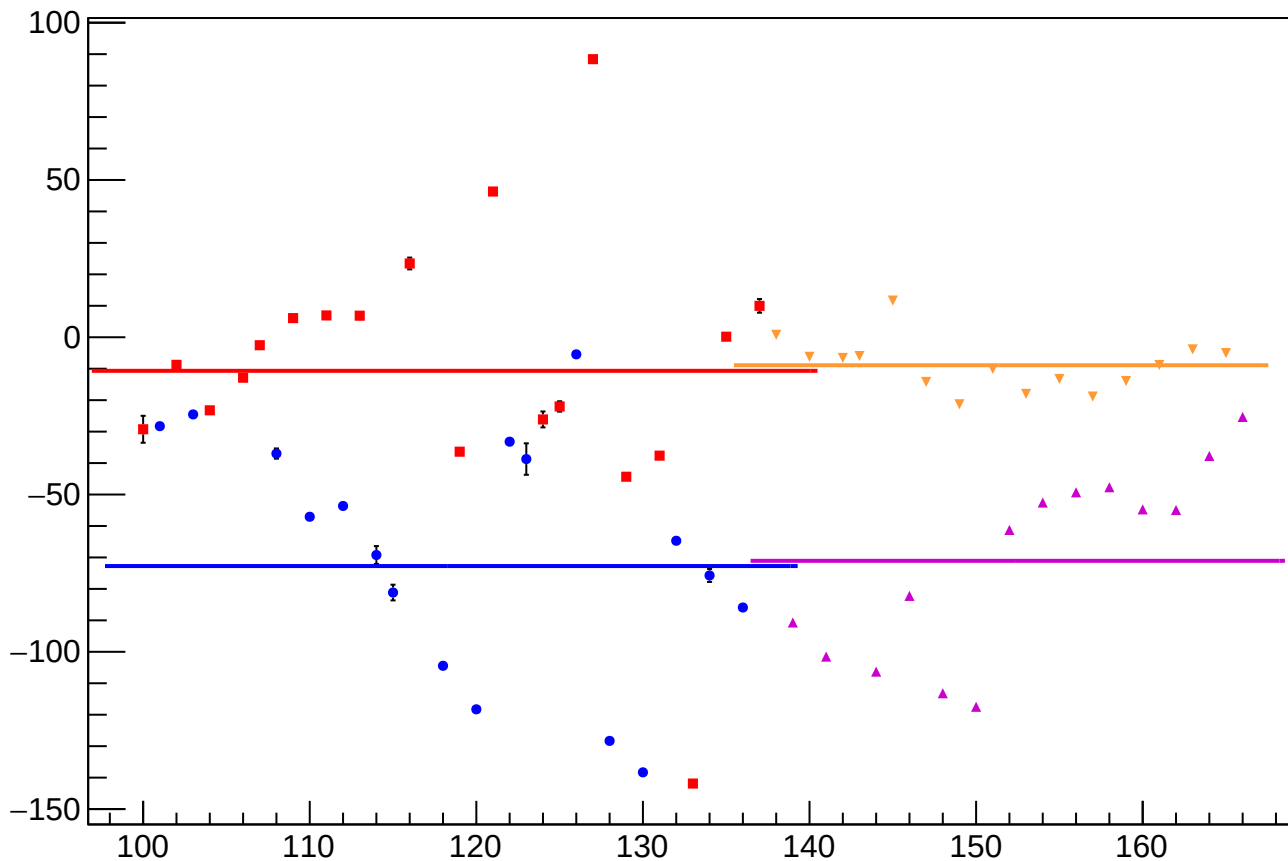
Left In: 1458.419 $\pm$ 0.315 χ^2 /NDF:161509.1/13

+ sign 1389.627 $\pm$ 0.234 χ^2 /NDF: 309848.7/31

All: 1391.831 $\pm$ 0.165 χ^2 /NDF: 646179.5/64

- sign 1394.029 $\pm$ 0.234 χ^2 /NDF: 336153.8/32

diff_bpm1i02X_mean vs Slug



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

Left Out: -8.903 ± 0.282 $\chi^2/\text{NDF}: 838.6/14$

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

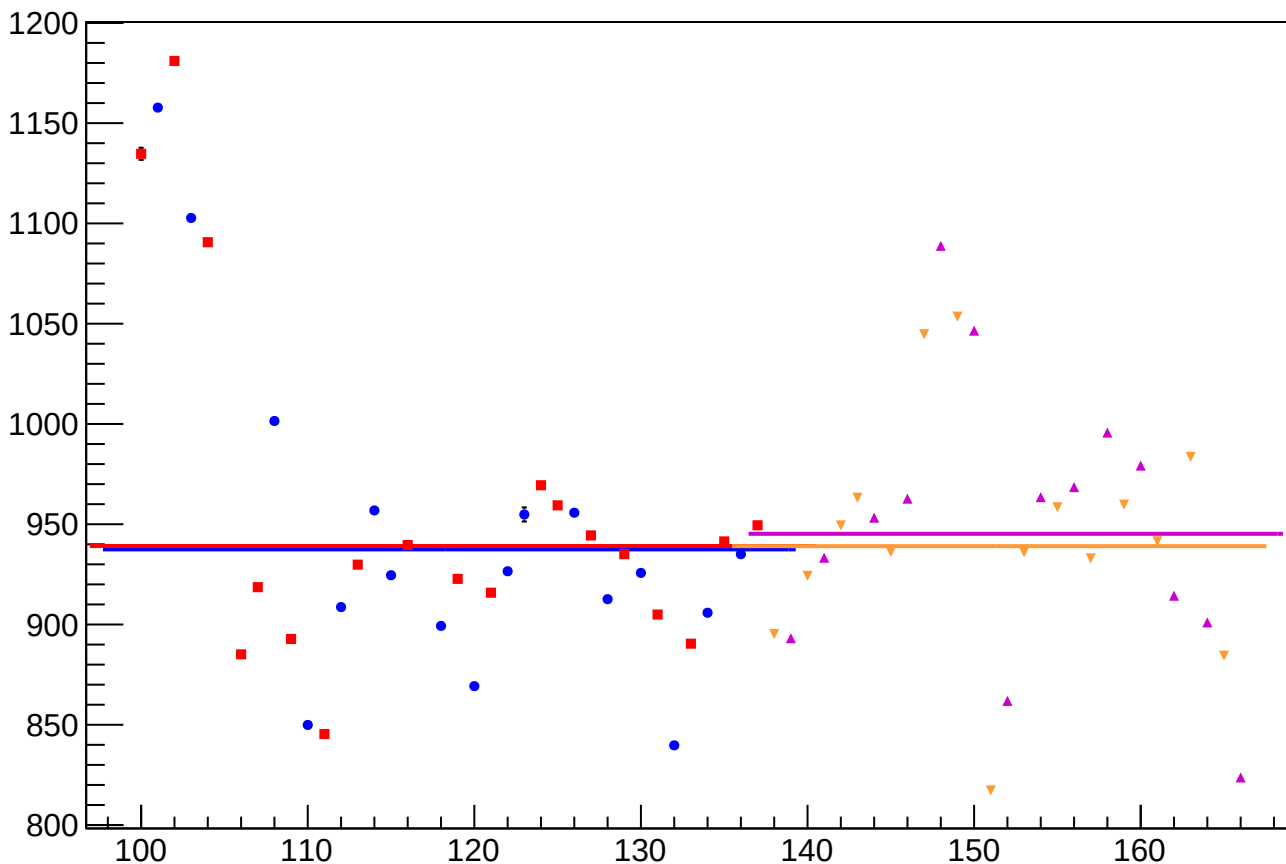
Left In: -71.070 ± 0.288 $\chi^2/\text{NDF}: 9649.5/13$

+ sign -33.018 ± 0.223 $\chi^2/\text{NDF}: 31842.4/31$

All: -39.952 ± 0.158 $\chi^2/\text{NDF}: 79231.1/64$

- sign -46.899 ± 0.223 $\chi^2/\text{NDF}: 45447.8/32$

diff_bpm1i02X_rms vs Slug



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

Left Out: 939.067 $\pm$ 0.200 χ^2 /NDF: 84668.7/14

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

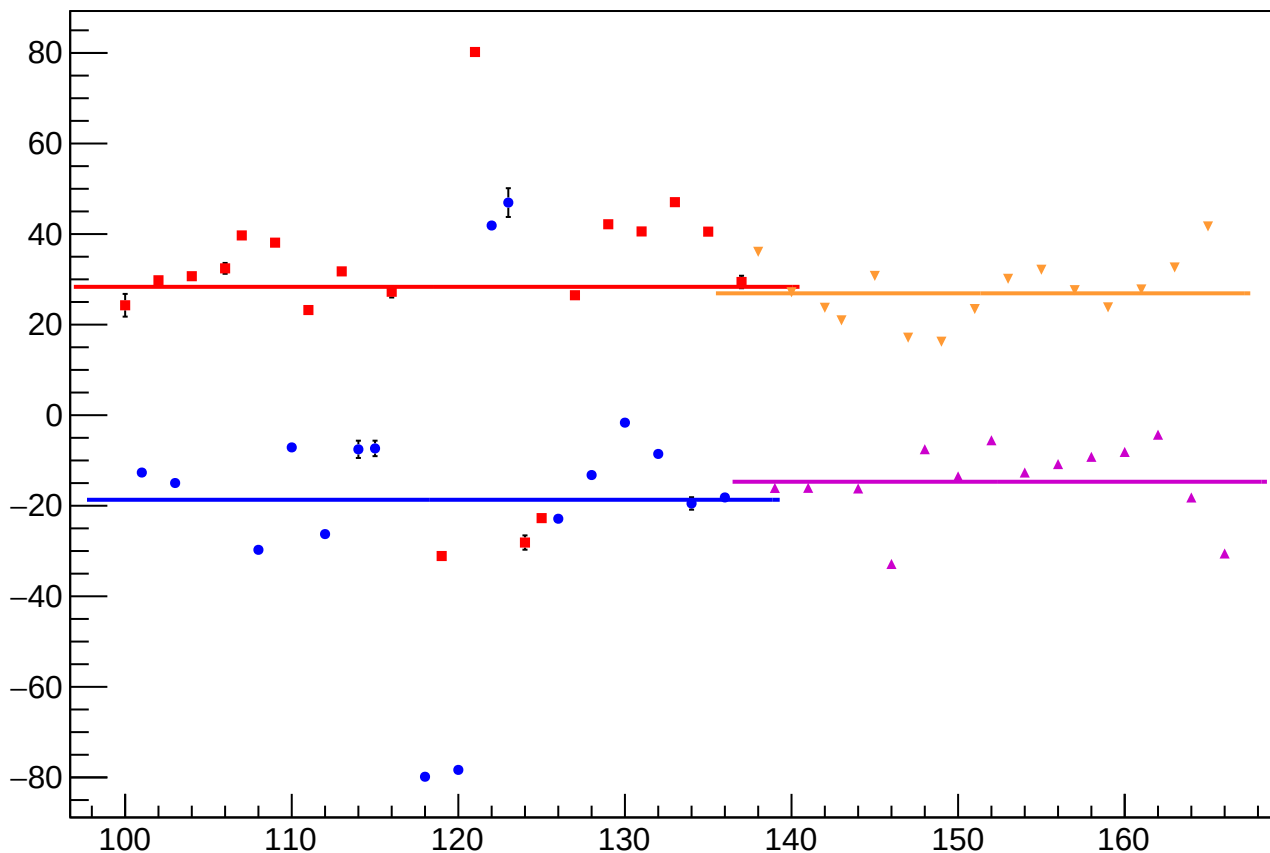
Left In: 945.226 $\pm$ 0.203 χ^2 /NDF: 101589.7/13

+ sign 938.458 $\pm$ 0.157 χ^2 /NDF: 183001.1/31

All: 940.622 $\pm$ 0.111 χ^2 /NDF: 375580.1/64

- sign 942.790 $\pm$ 0.158 χ^2 /NDF: 192200.9/32

diff_bpm1i02Y_mean vs Slug



Right In: -18.683 ± 0.243 χ^2/NDF : 13006.2/16

Left Out: 26.912 ± 0.217 χ^2/NDF : 924.5/14

Right Out: 28.347 ± 0.235 χ^2/NDF : 12508.1/18

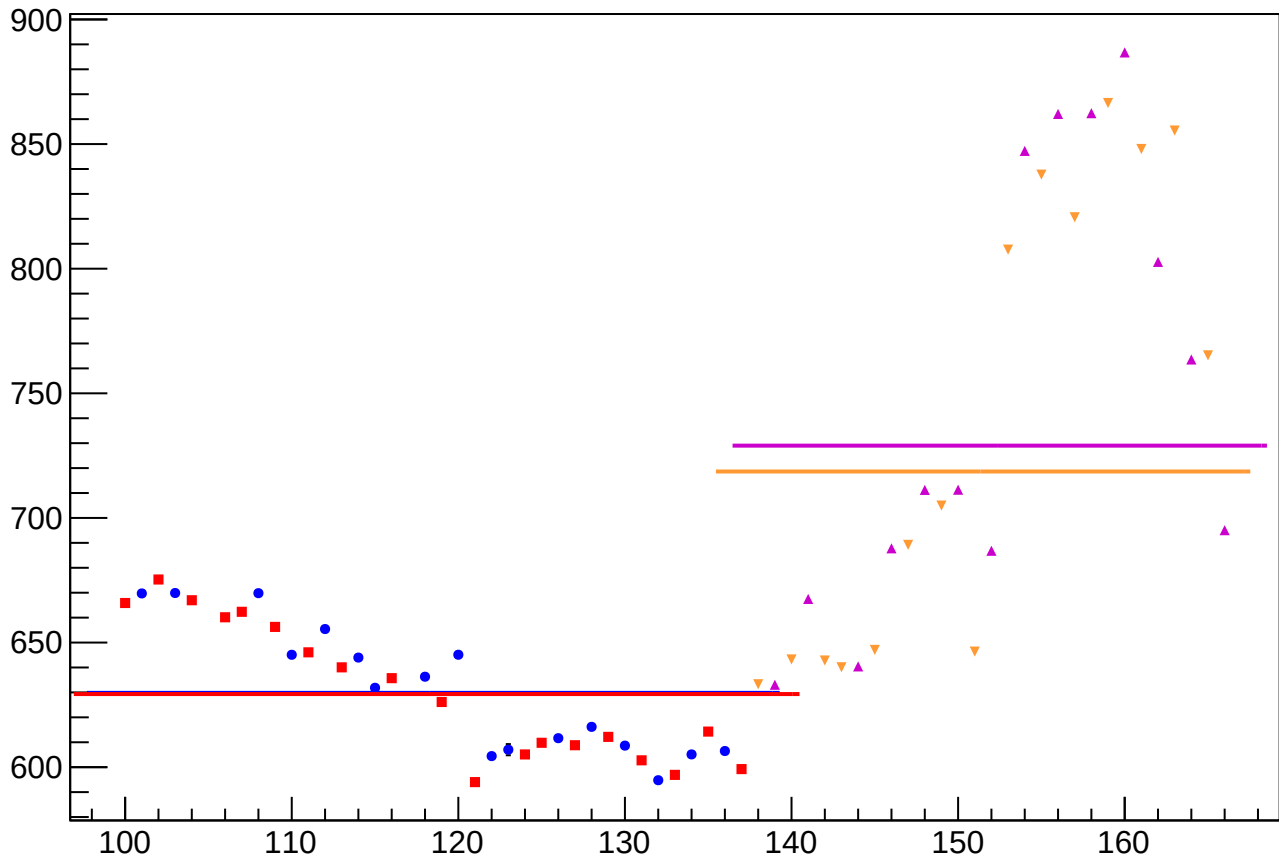
Left In: -14.702 ± 0.223 χ^2/NDF : 1335.7/13

+ sign 6.611 ± 0.162 χ^2/NDF : 33516.8/31

All: 6.133 ± 0.114 χ^2/NDF : 64997.9/64

- sign 5.655 ± 0.162 χ^2/NDF : 31463.6/32

diff_bpm1i02Y_rms vs Slug



Right In: 629.815 $\pm$ 0.172 χ^2 /NDF: 23298.3/16

Left Out: 718.634 $\pm$ 0.154 χ^2 /NDF: 325348.0/14

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

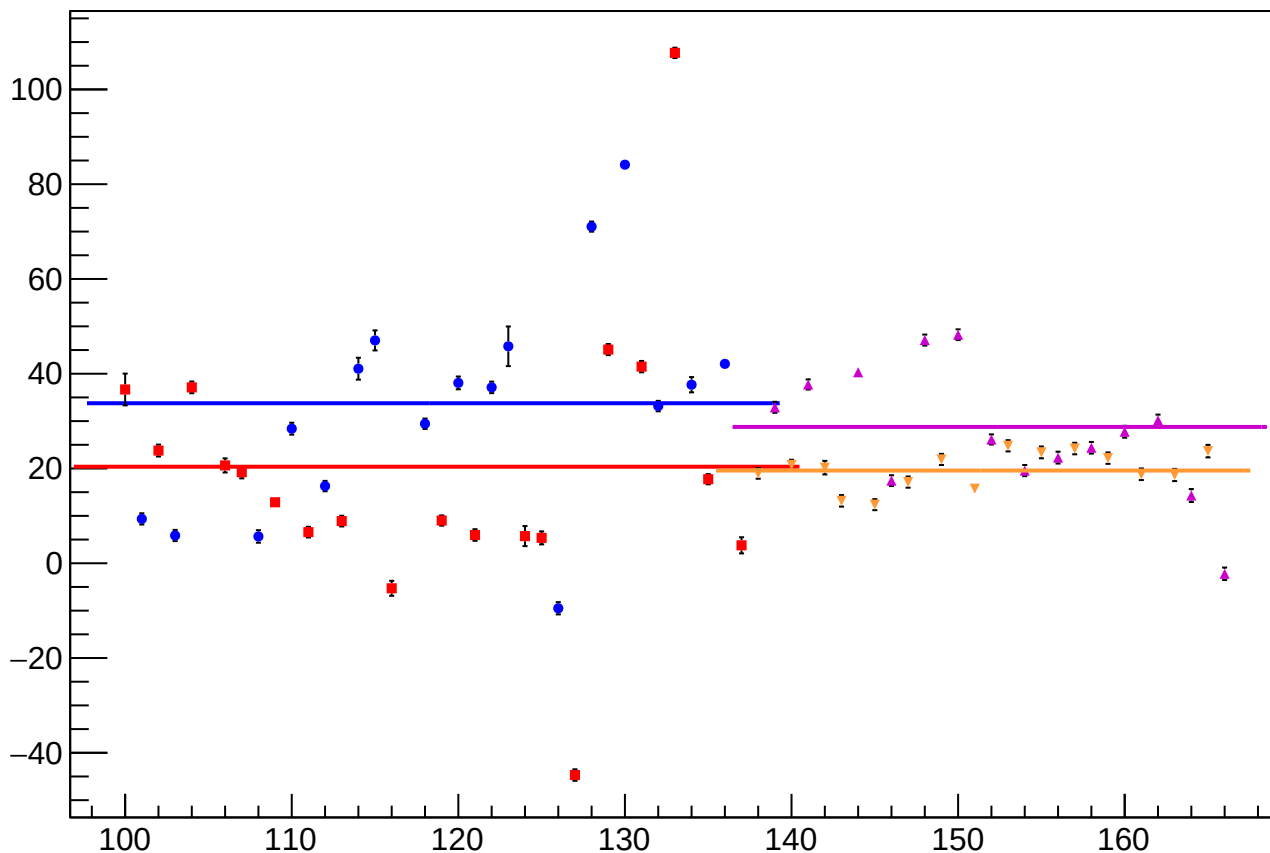
Left In: 729.010 $\pm$ 0.158 χ^2 /NDF: 269742.8/13

+ sign 679.088 $\pm$ 0.114 χ^2 /NDF: 497292.3/31

All: 680.483 $\pm$ 0.081 χ^2 /NDF: 981779.9/64

- sign 681.879 $\pm$ 0.114 χ^2 /NDF: 484190.5/32

diff_bpm1i04X_mean vs Slug



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

Left Out: 19.569 ± 0.310 χ^2/NDF : 147.6/14

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

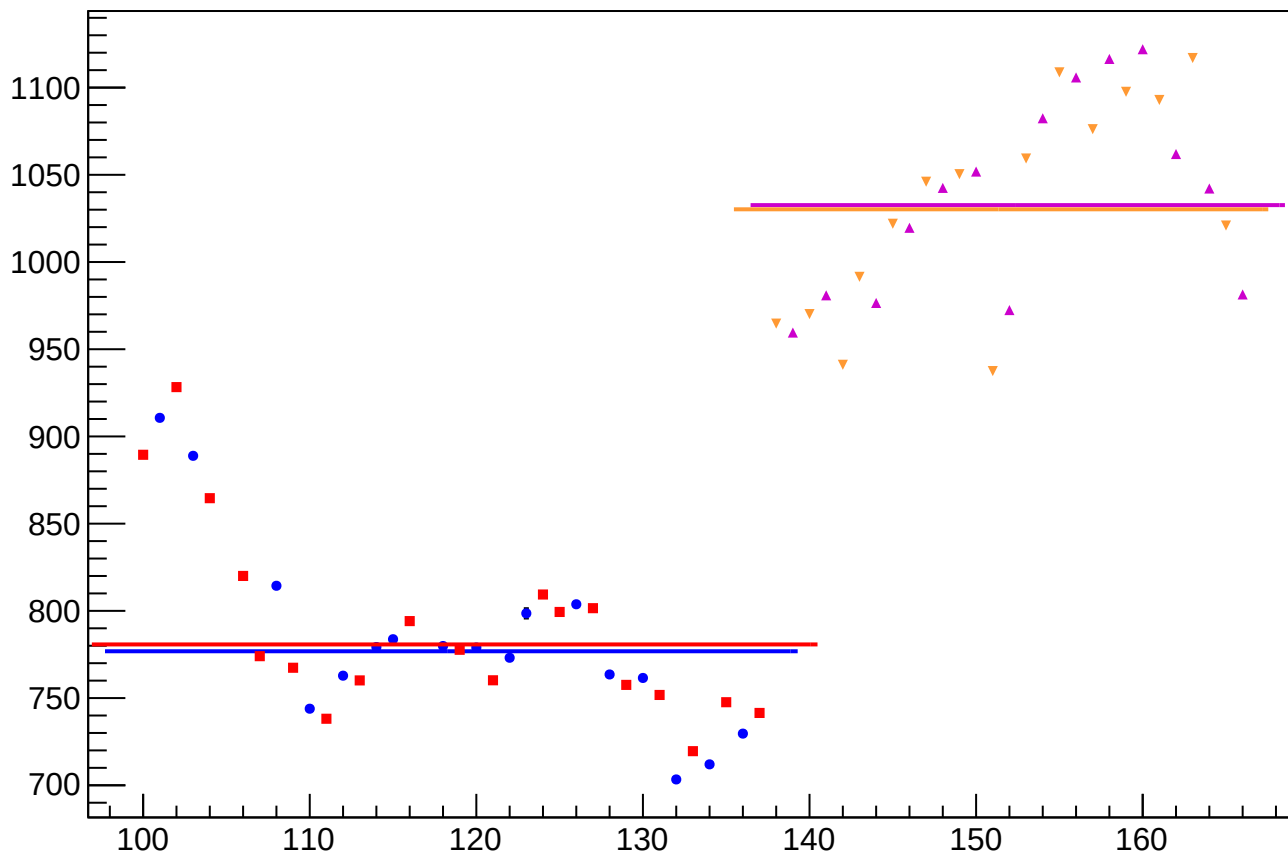
Left In: 28.770 ± 0.314 χ^2/NDF : 1621.7/13

+ sign 26.895 ± 0.215 χ^2/NDF : 7721.7/31

All: 25.577 ± 0.152 χ^2/NDF : 21088.2/64

- sign 24.274 ± 0.214 χ^2/NDF : 13292.0/32

diff_bpm1i04X_rms vs Slug



Right In: 776.838 $\pm$ 0.212 χ^2 /NDF: 67487.1/16

Left Out: 1030.218 $\pm$ 0.219 χ^2 /NDF: 71968.0/14

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

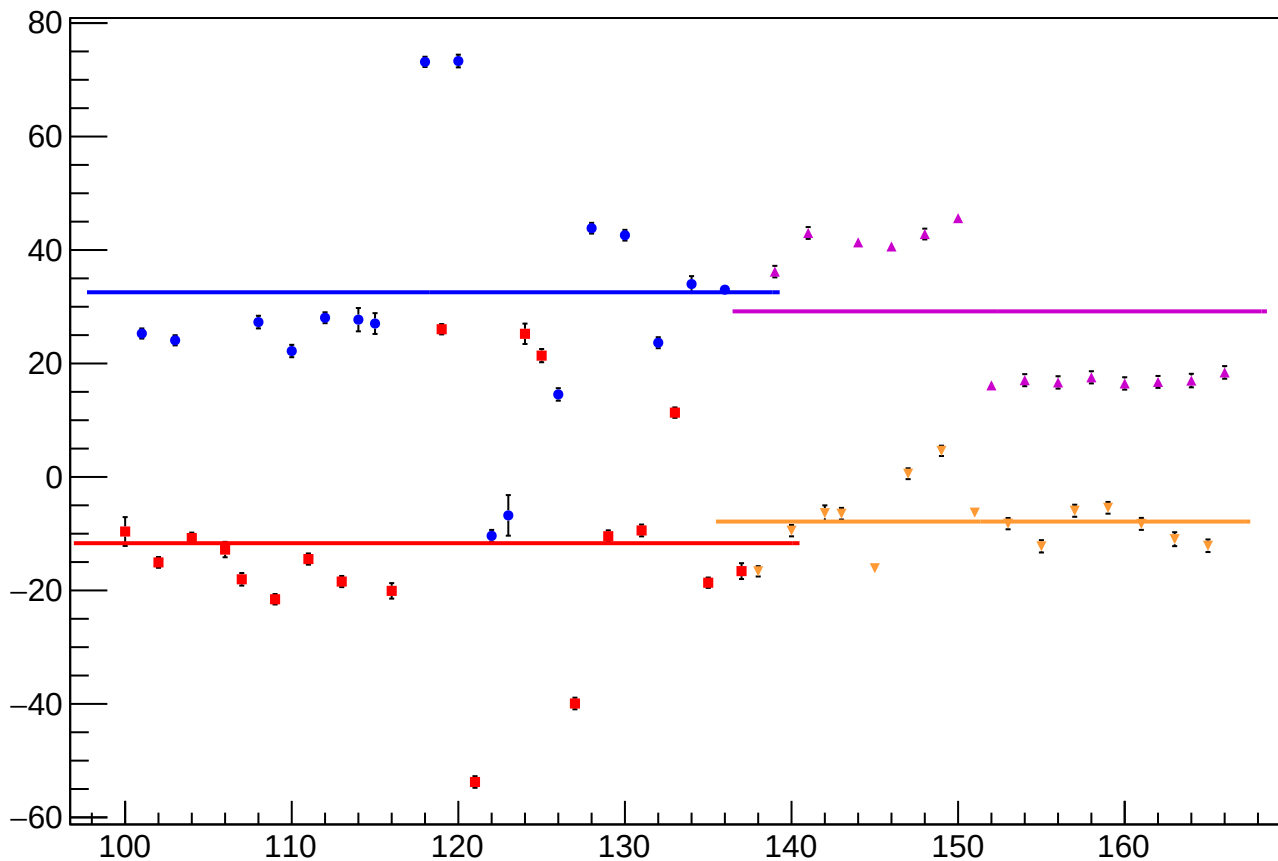
Left In: 1032.624 $\pm$ 0.222 χ^2 /NDF: 59614.8/13

+ sign 899.521 $\pm$ 0.152 χ^2 /NDF: 830730.7/31

All: 898.629 $\pm$ 0.107 χ^2 /NDF: 1636572.1/64

- sign 897.748 $\pm$ 0.151 χ^2 /NDF: 805773.1/32

diff_bpm1i04Y_mean vs Slug



Right In: 32.552+/-0.253 χ^2 /NDF: 6073.0/16

Left Out: -7.861+/-0.260 χ^2 /NDF: 499.5/14

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

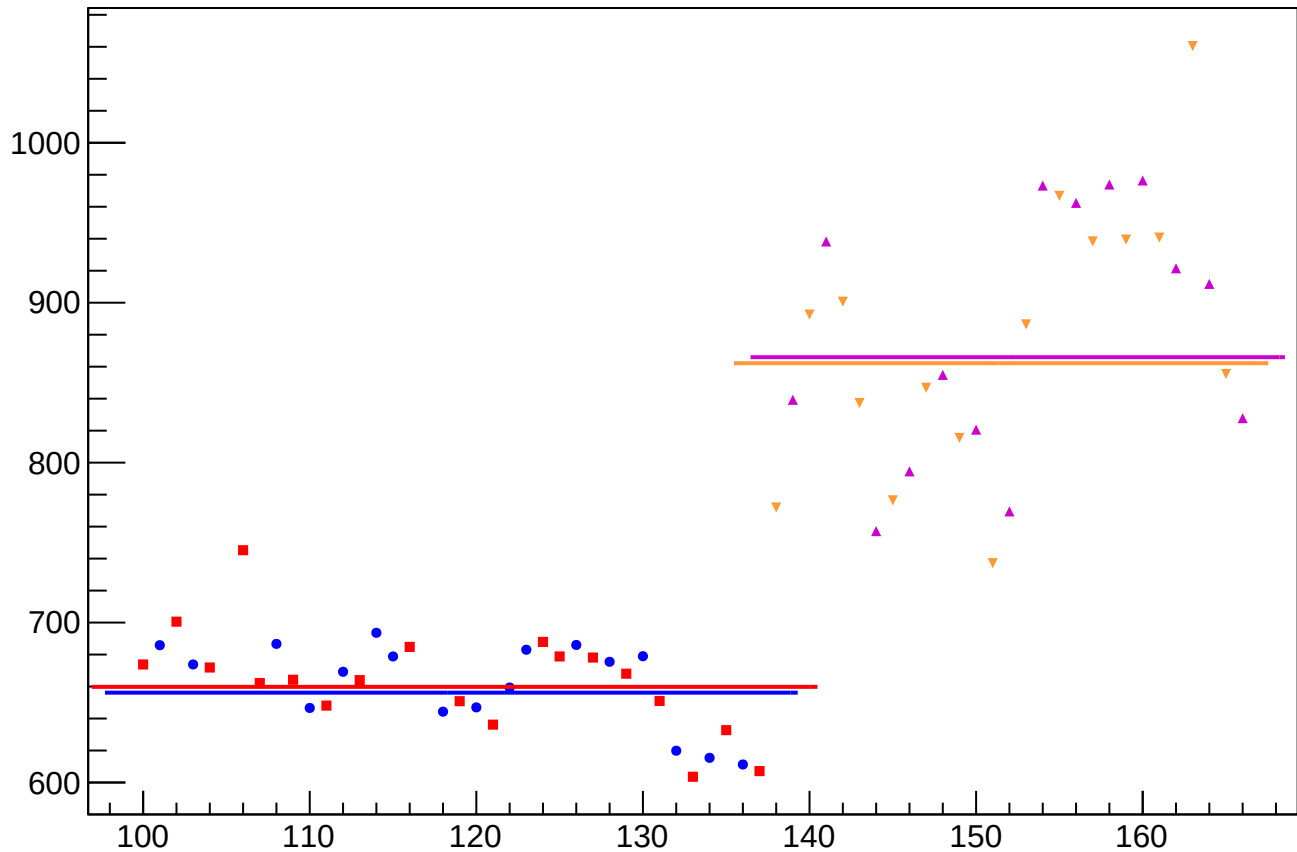
Left In: 29.184+/-0.265 χ^2 /NDF: 2245.7/13

+ sign 12.928+/-0.181 χ^2 /NDF: 18975.8/31

All: 10.113+/-0.128 χ^2 /NDF: 40780.0/64

- sign 7.319+/-0.181 χ^2 /NDF: 21324.1/32

diff_bpm1i04Y_rms vs Slug



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

Left Out: 862.158 $\pm$ 0.184 χ^2 /NDF:199365.0/14

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

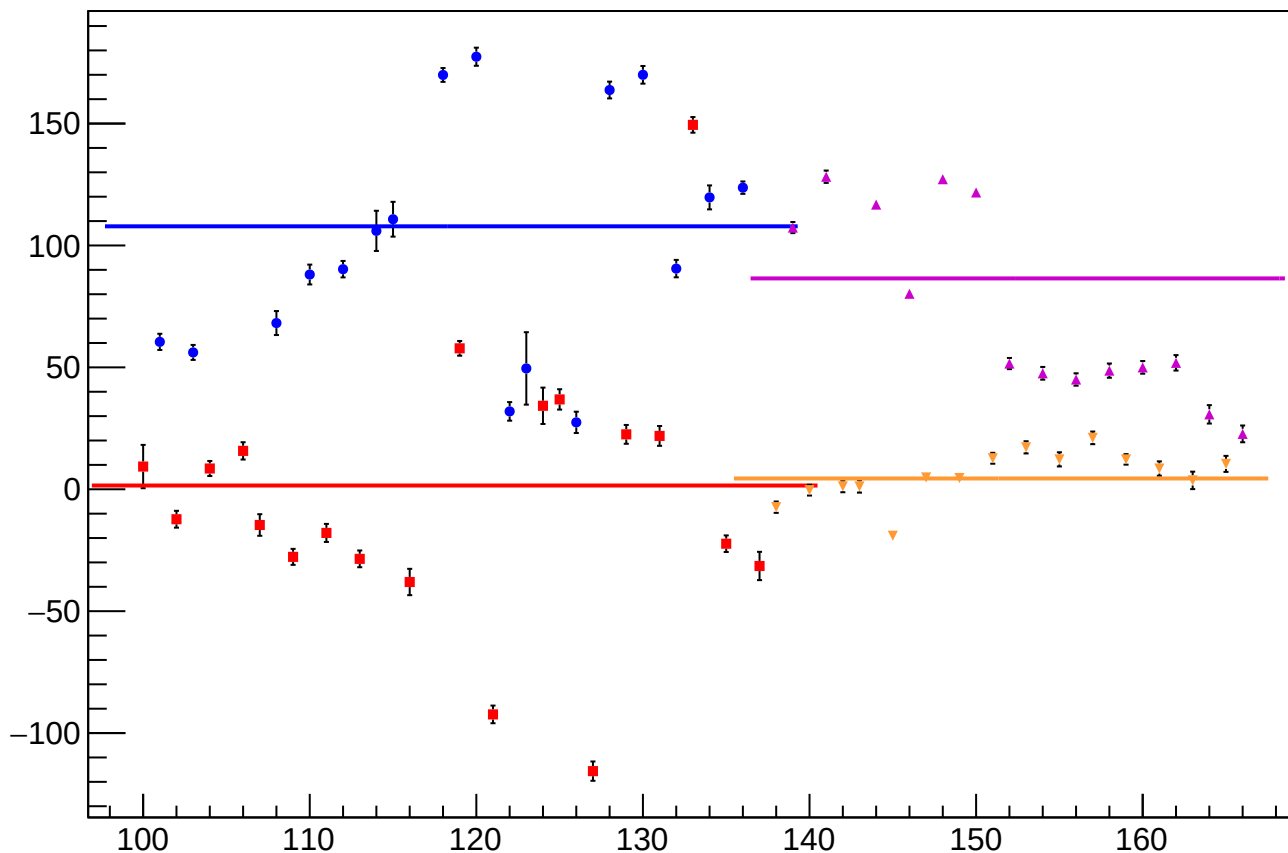
Left In: 865.919 $\pm$ 0.187 χ^2 /NDF:177308.2/13

+ sign 756.200 $\pm$ 0.128 χ^2 /NDF: 867346.5/31

All: 755.911 $\pm$ 0.091 χ^2 /NDF: 1720392.1/64

- sign 755.624 $\pm$ 0.128 χ^2 /NDF: 853035.5/32

diff_bpm1i06X_mean vs Slug



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

Left Out: 4.425 ± 0.605 χ^2/NDF : 275.0/14

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

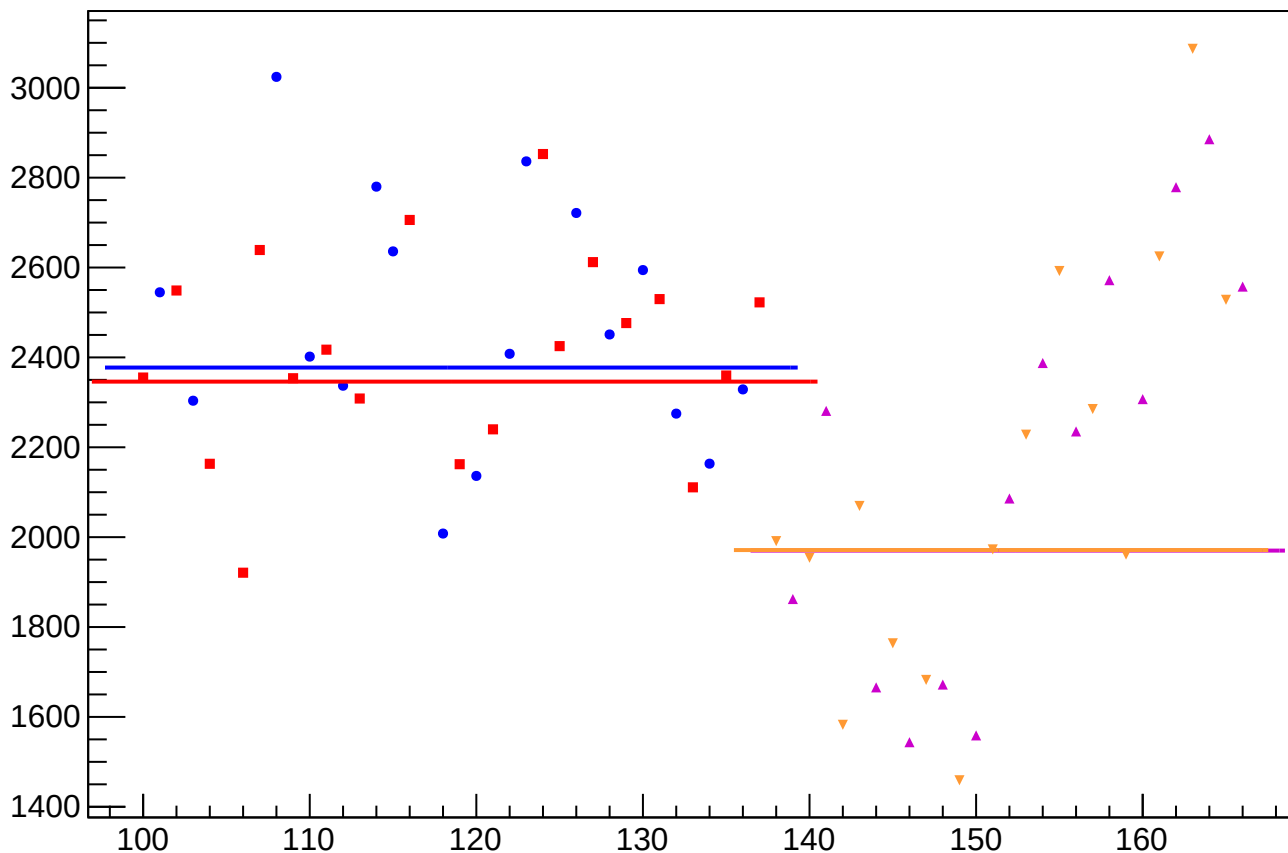
Left In: 86.484 ± 0.616 χ^2/NDF : 3313.7/13

+ sign 35.543 ± 0.505 χ^2/NDF : 11890.4/31

All: 47.133 ± 0.357 χ^2/NDF : 27002.2/64

- sign 58.708 ± 0.505 χ^2/NDF : 14061.0/32

diff_bpm1i06X_rms vs Slug



Right In: 2377.423+/-0.652 χ^2/NDF : 119648.6/16

Left Out: 1971.291+/-0.427 χ^2/NDF : 810418.0/14

Right Out: 2346.121+/-0.625 χ^2/NDF : 108257.3/18

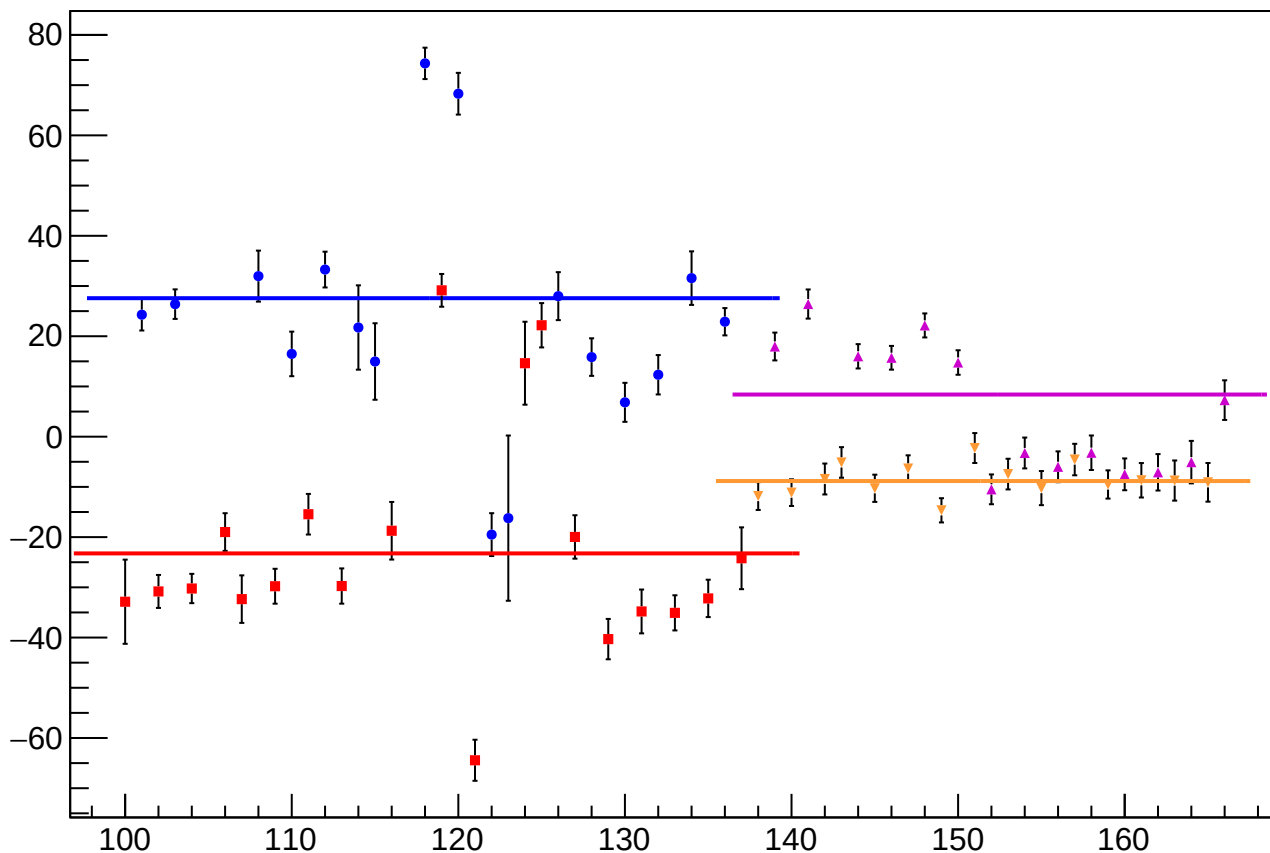
Left In: 1970.108+/-0.435 χ^2/NDF : 886785.0/13

+ sign 2093.481+/-0.357 χ^2/NDF : 1201649.1/31

All: 2093.273+/-0.253 χ^2/NDF : 2440597.9/64

- sign 2093.065+/-0.357 χ^2/NDF : 1238948.1/32

diff_bpm1i06Y_mean vs Slug



Right In: 27.577 $\pm$ 0.975 χ^2 /NDF: 519.6/16

Left Out: -8.832 $\pm$ 0.770 χ^2 /NDF: 17.6/14

Right Out: -23.243 $\pm$ 0.927 χ^2 /NDF: 557.9/18

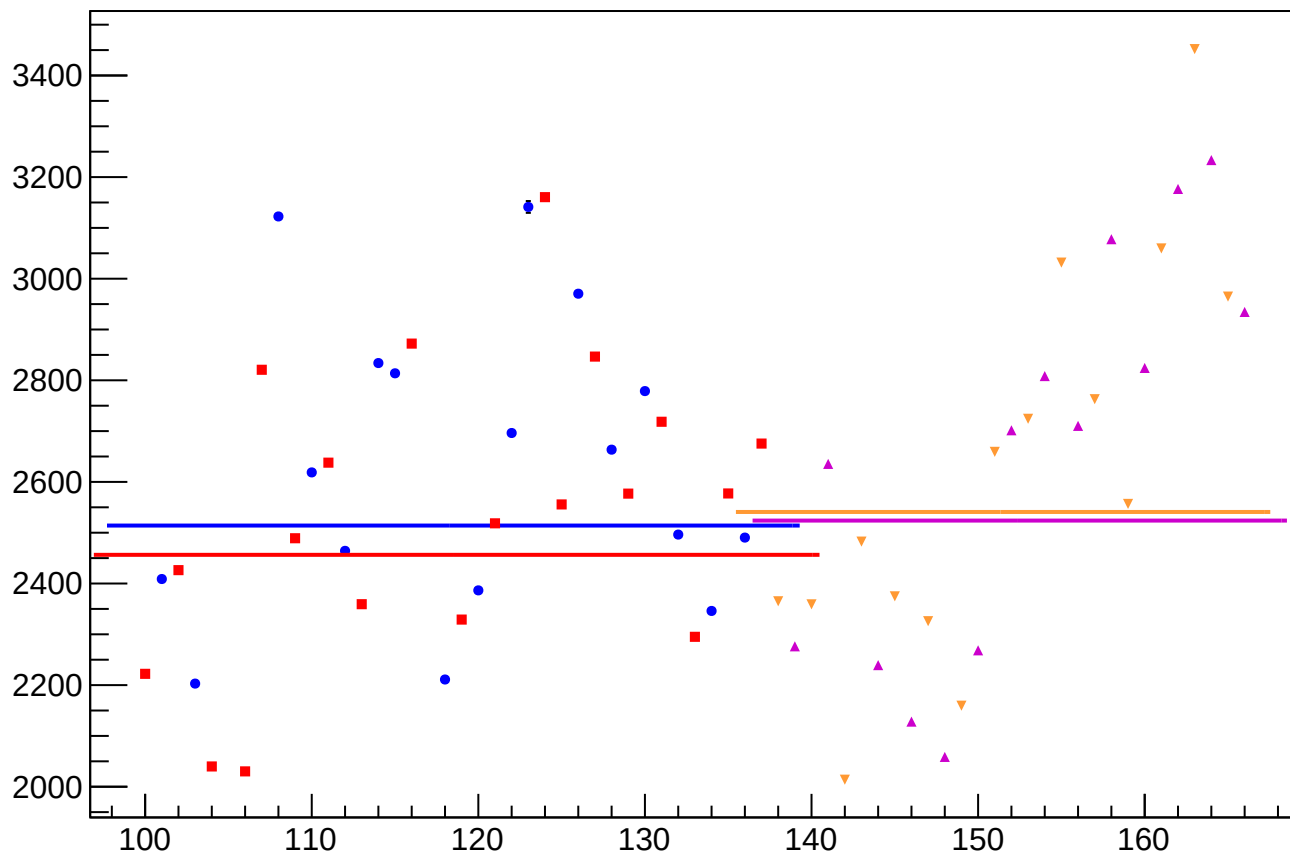
Left In: 8.393 $\pm$ 0.779 χ^2 /NDF: 251.6/13

+ sign 5.151 $\pm$ 0.604 χ^2 /NDF: 1396.5/31

All: 0.161 $\pm$ 0.424 χ^2 /NDF: 3023.2/64

- sign -4.704 $\pm$ 0.596 χ^2 /NDF: 1492.0/32

diff_bpm1i06Y_rms vs Slug



Right In: 2514.088+/-0.689 χ^2/NDF : 120961.3/16

Left Out: 2540.834+/-0.544 χ^2/NDF : 383623.6/14

Right Out: 2456.460+/-0.655 χ^2/NDF : 149732.7/18

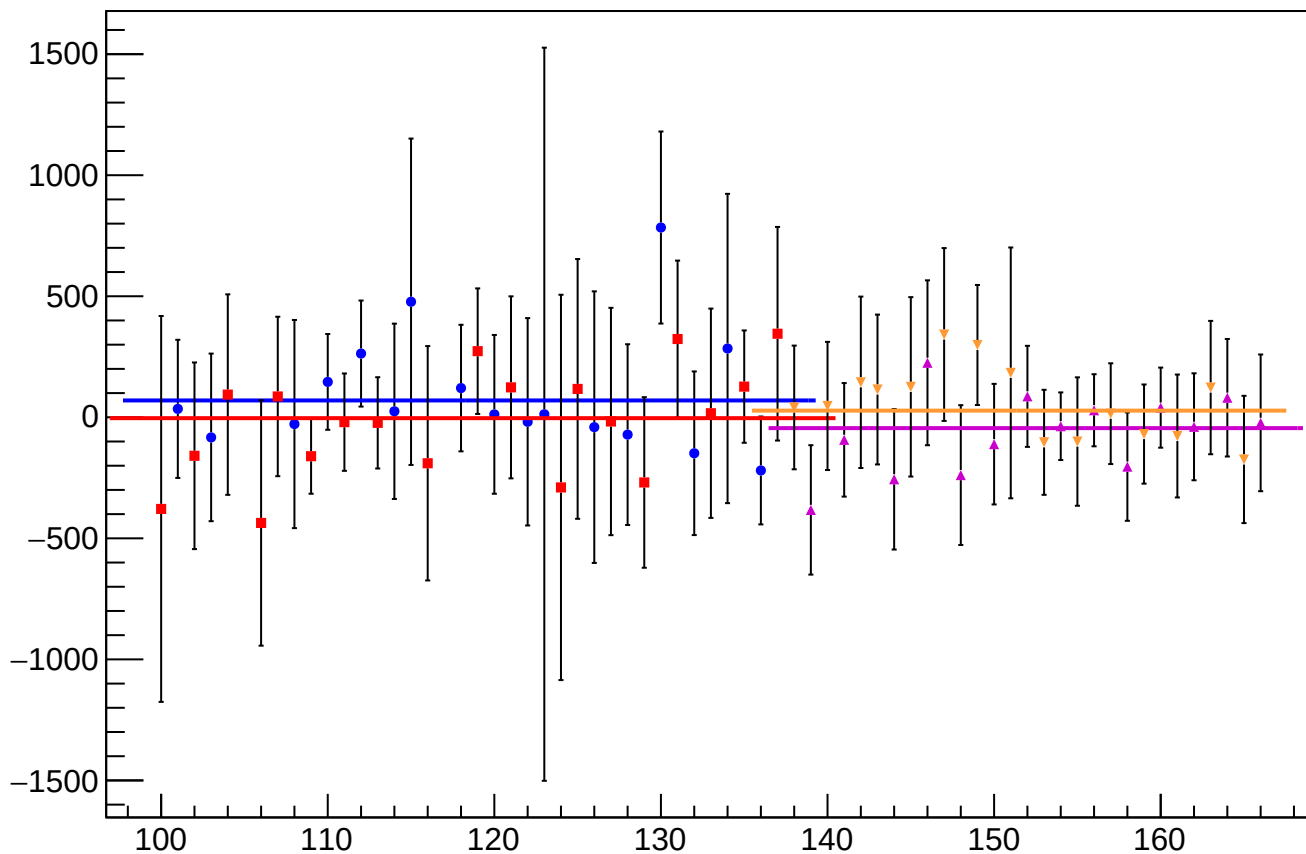
Left In: 2523.883+/-0.551 χ^2/NDF : 444544.1/13

+ sign 2530.562+/-0.427 χ^2/NDF : 505512.3/31

All: 2513.047+/-0.300 χ^2/NDF : 1109309.9/64

- sign 2495.971+/-0.422 χ^2/NDF : 600477.0/32

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



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

Left Out: 27.577 $\pm$ 69.224 χ^2 /NDF: 4.0/14

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

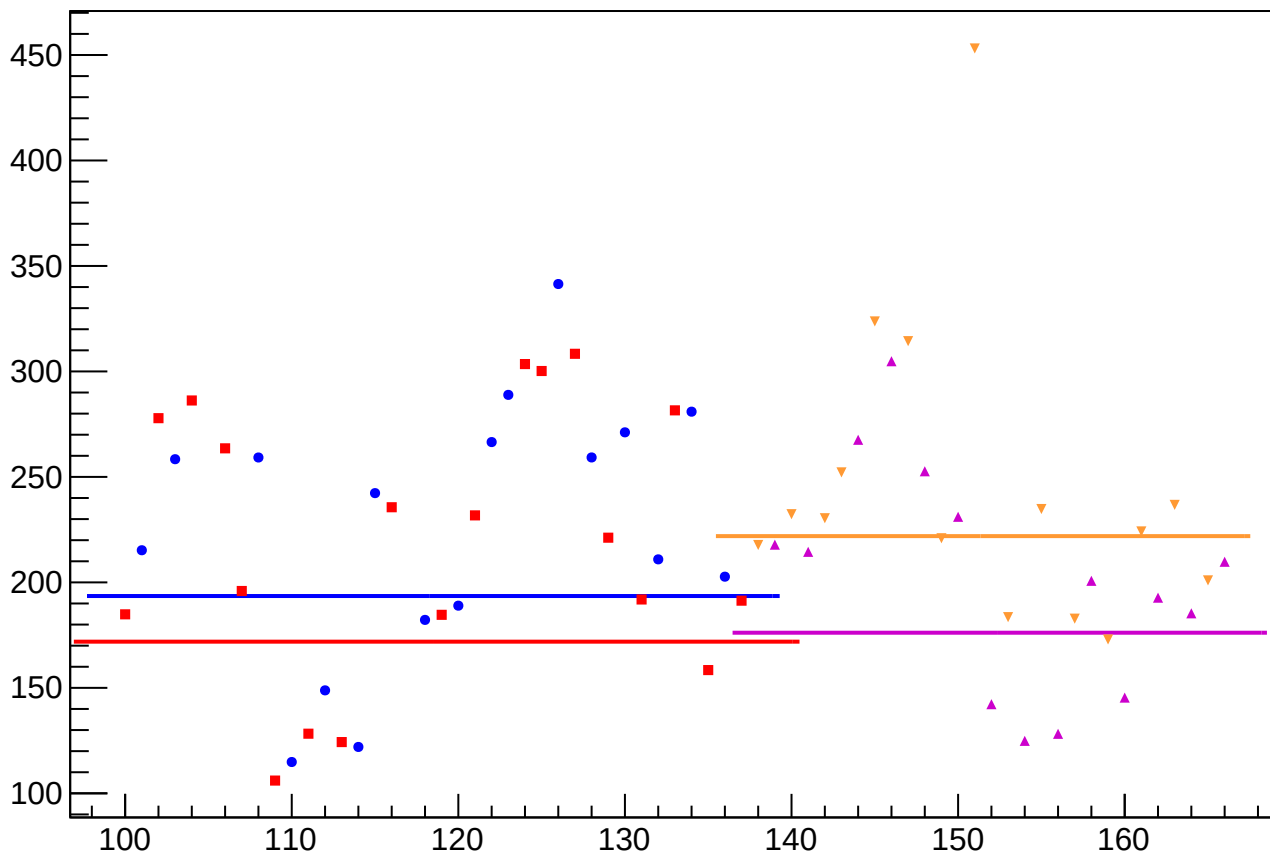
Left In: -44.751 $\pm$ 57.105 χ^2 /NDF: 5.0/13

+ sign 45.817 $\pm$ 52.071 χ^2 /NDF: 11.5/31

All: 2.783 $\pm$ 33.716 χ^2 /NDF: 24.3/64

- sign -28.287 $\pm$ 44.244 χ^2 /NDF: 11.6/32

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.533+/-0.056 χ^2/NDF : 1010428.2/16

Left Out: 221.930+/-0.049 χ^2/NDF : 978250.5/14

Right Out: 171.901+/-0.049 χ^2/NDF : 1576883.7/18

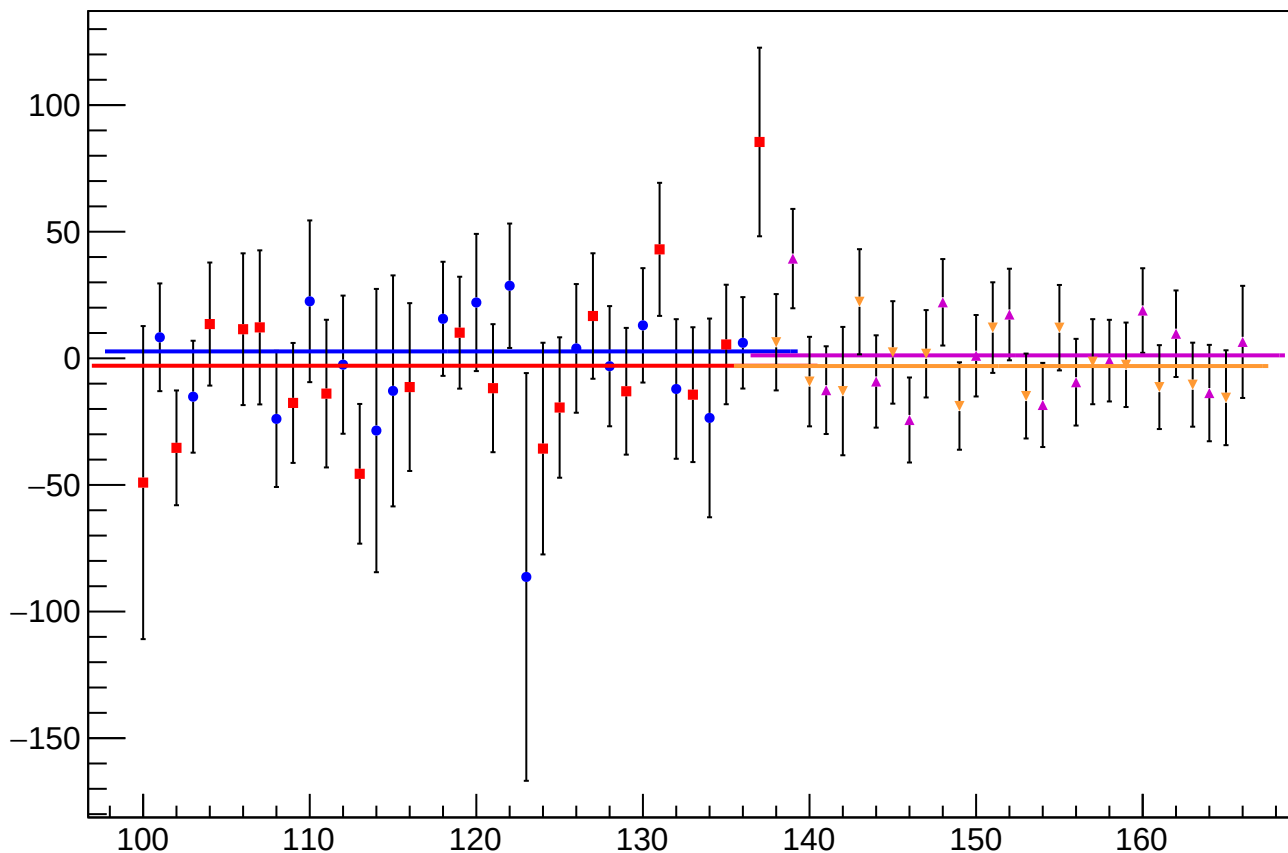
Left In: 176.140+/-0.040 χ^2/NDF : 1489554.1/13

+ sign 209.601+/-0.037 χ^2/NDF : 2134812.1/31

All: 189.185+/-0.024 χ^2/NDF : 5735082.0/64

- sign 174.445+/-0.031 χ^2/NDF : 3070843.2/32

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.733 $\pm$ 6.424 χ^2 /NDF: 6.8/16

Left Out: -3.050 $\pm$ 4.639 χ^2 /NDF: 5.9/14

Right Out: -2.928 $\pm$ 6.279 χ^2 /NDF: 17.8/18

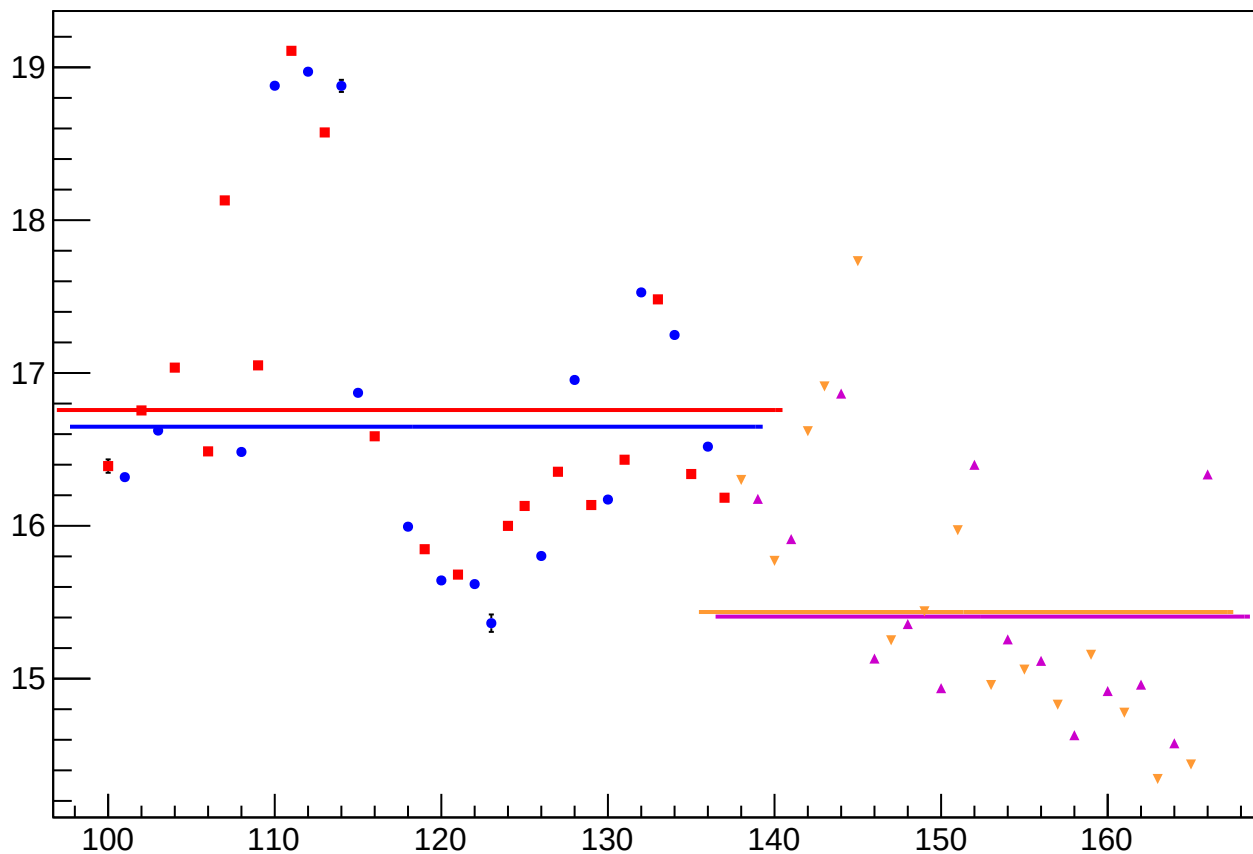
Left In: 1.167 $\pm$ 4.686 χ^2 /NDF: 13.2/13

+ sign -1.067 $\pm$ 3.761 χ^2 /NDF: 13.2/31

All: -0.682 $\pm$ 2.658 χ^2 /NDF: 44.5/64

- sign -0.298 $\pm$ 3.756 χ^2 /NDF: 31.2/32

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: 15.436 $\pm$ 0.003 χ^2 /NDF: 70371.7/14

Right Out: 16.758 $\pm$ 0.004 χ^2 /NDF: 39950.7/18

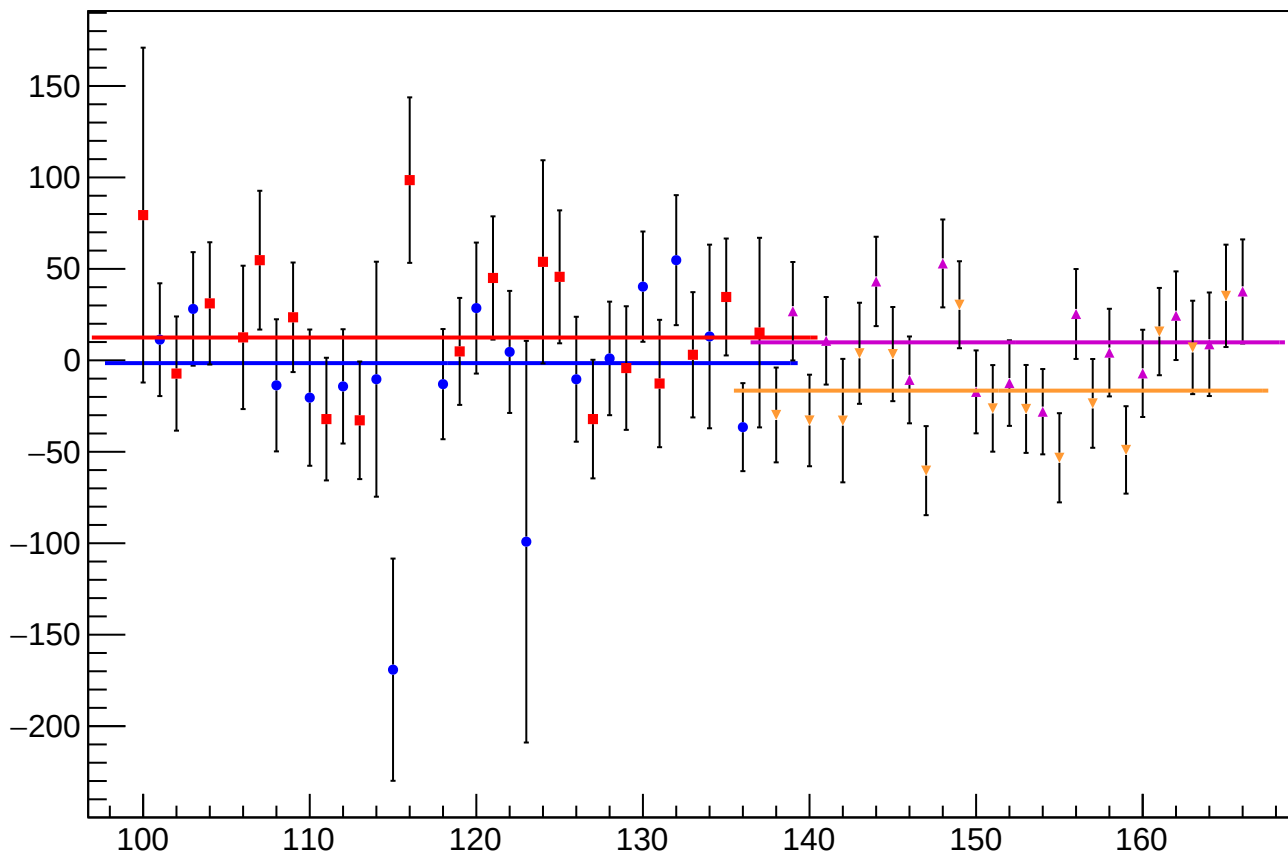
Left In: 15.406 $\pm$ 0.003 χ^2 /NDF: 41646.2/13

+ sign 15.852 $\pm$ 0.003 χ^2 /NDF: 159759.3/31

All: 15.871 $\pm$ 0.002 χ^2 /NDF: 300988.1/64

- sign 15.890 $\pm$ 0.003 χ^2 /NDF: 141126.7/32

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: -16.562 ± 6.530 χ^2/NDF : 19.8/14

Right Out: 12.475 ± 8.210 χ^2/NDF : 15.6/18

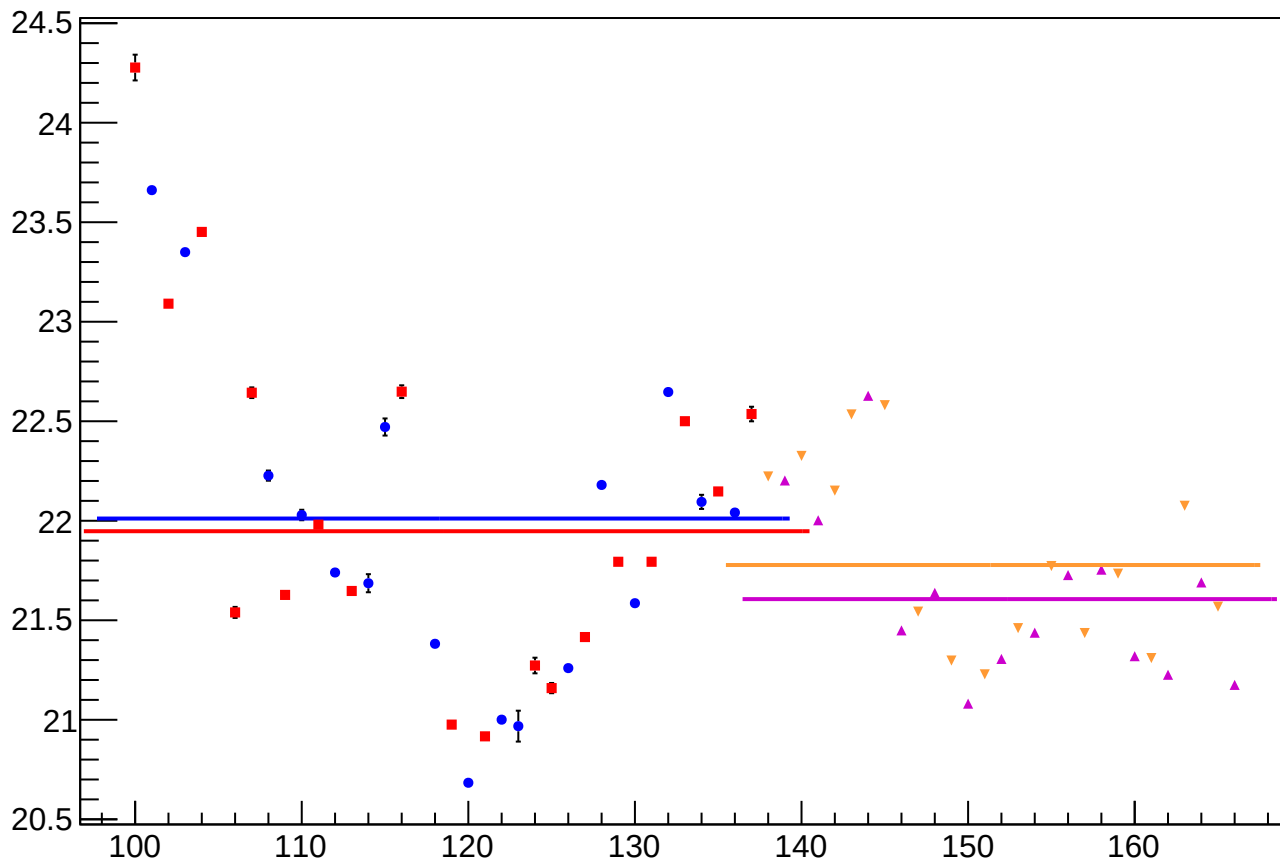
Left In: 9.836 ± 6.557 χ^2/NDF : 13.5/13

+ sign -10.968 ± 5.175 χ^2/NDF : 39.5/31

All: 0.057 ± 3.641 χ^2/NDF : 77.6/64

- sign 10.864 ± 5.124 χ^2/NDF : 29.1/32

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: 21.778 $\pm$ 0.005 χ^2/NDF : 9219.5/14

Right Out: 21.947 $\pm$ 0.006 χ^2/NDF : 16592.7/18

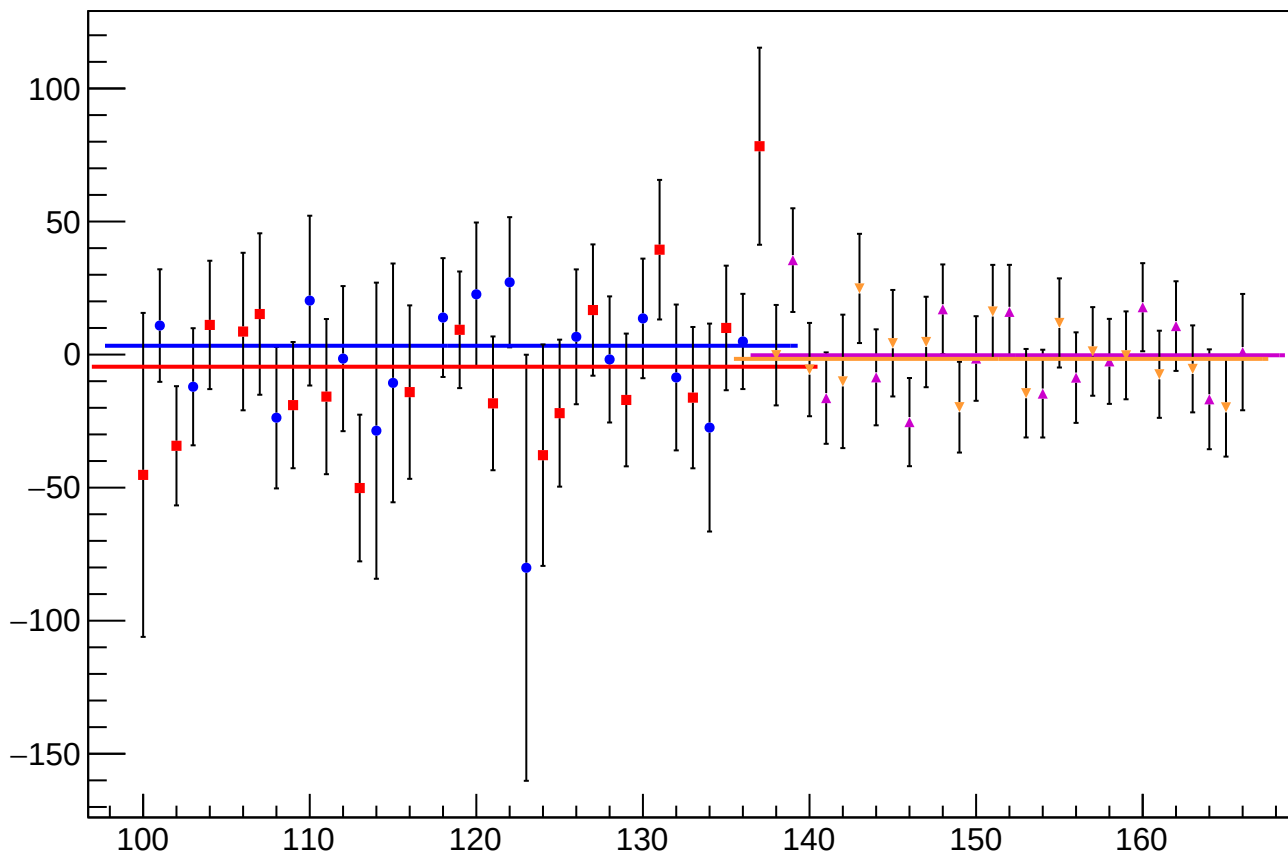
Left In: 21.606 $\pm$ 0.005 χ^2/NDF : 8006.8/13

+ sign 21.865 $\pm$ 0.004 χ^2/NDF : 27717.9/31

All: 21.801 $\pm$ 0.003 χ^2/NDF : 55018.3/64

- sign 21.739 $\pm$ 0.004 χ^2/NDF : 26707.8/32

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



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

Left Out: -1.609 ± 4.587 χ^2/NDF : 6.7/14

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

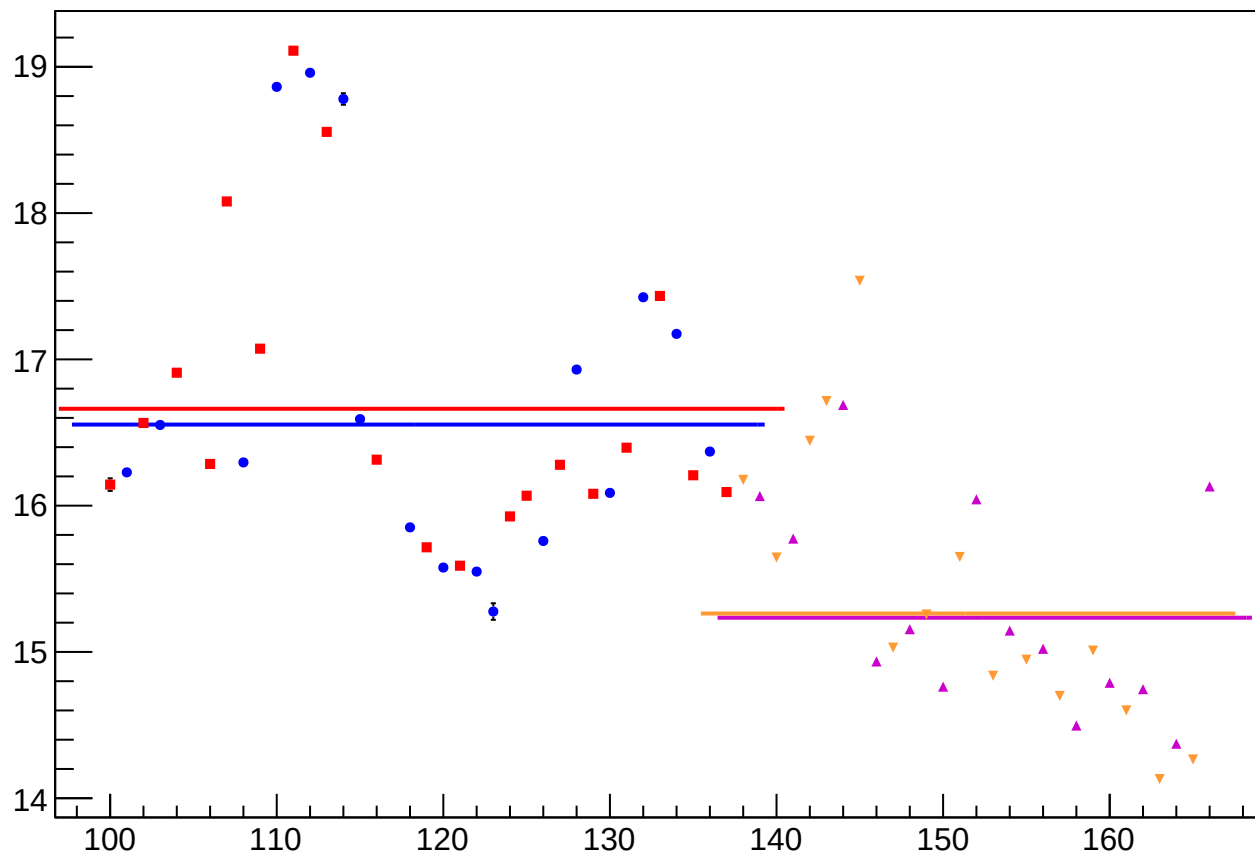
Left In: -0.256 ± 4.633 χ^2/NDF : 12.1/13

+ sign 0.067 ± 3.726 χ^2/NDF : 13.3/31

All: -0.860 ± 2.633 χ^2/NDF : 43.6/64

- sign -1.785 ± 3.721 χ^2/NDF : 30.1/32

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.554 $\pm$ 0.005 χ^2 /NDF: 44475.2/16

Left Out: 15.263 $\pm$ 0.003 χ^2 /NDF: 70736.5/14

Right Out: 16.662 $\pm$ 0.004 χ^2 /NDF: 43063.6/18

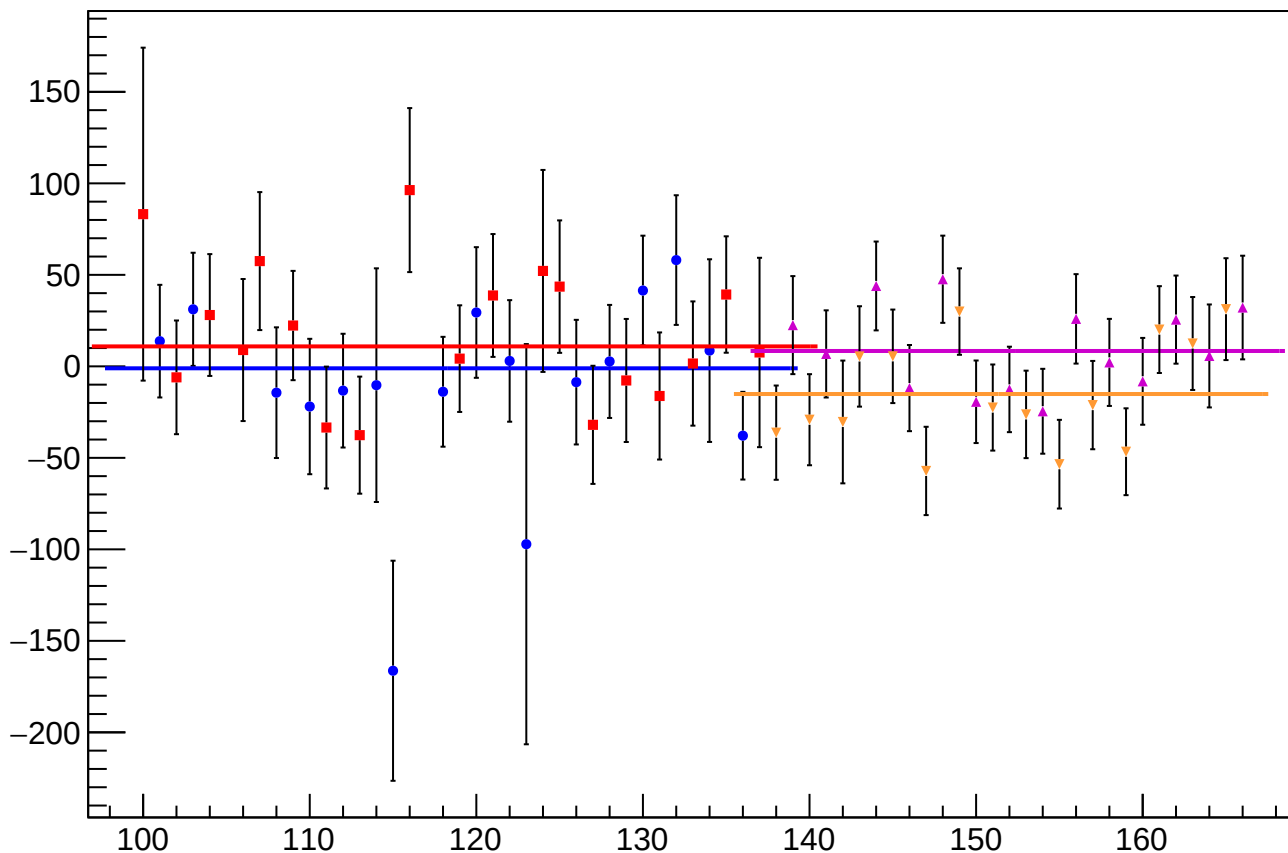
Left In: 15.234 $\pm$ 0.003 χ^2 /NDF: 40622.2/13

+ sign 15.702 $\pm$ 0.003 χ^2 /NDF: 169162.8/31

All: 15.722 $\pm$ 0.002 χ^2 /NDF: 320456.8/64

- sign 15.741 $\pm$ 0.003 χ^2 /NDF: 151183.6/32

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: -15.119 ± 6.488 χ^2/NDF : 19.9/14

Right Out: 10.900 ± 8.169 χ^2/NDF : 16.2/18

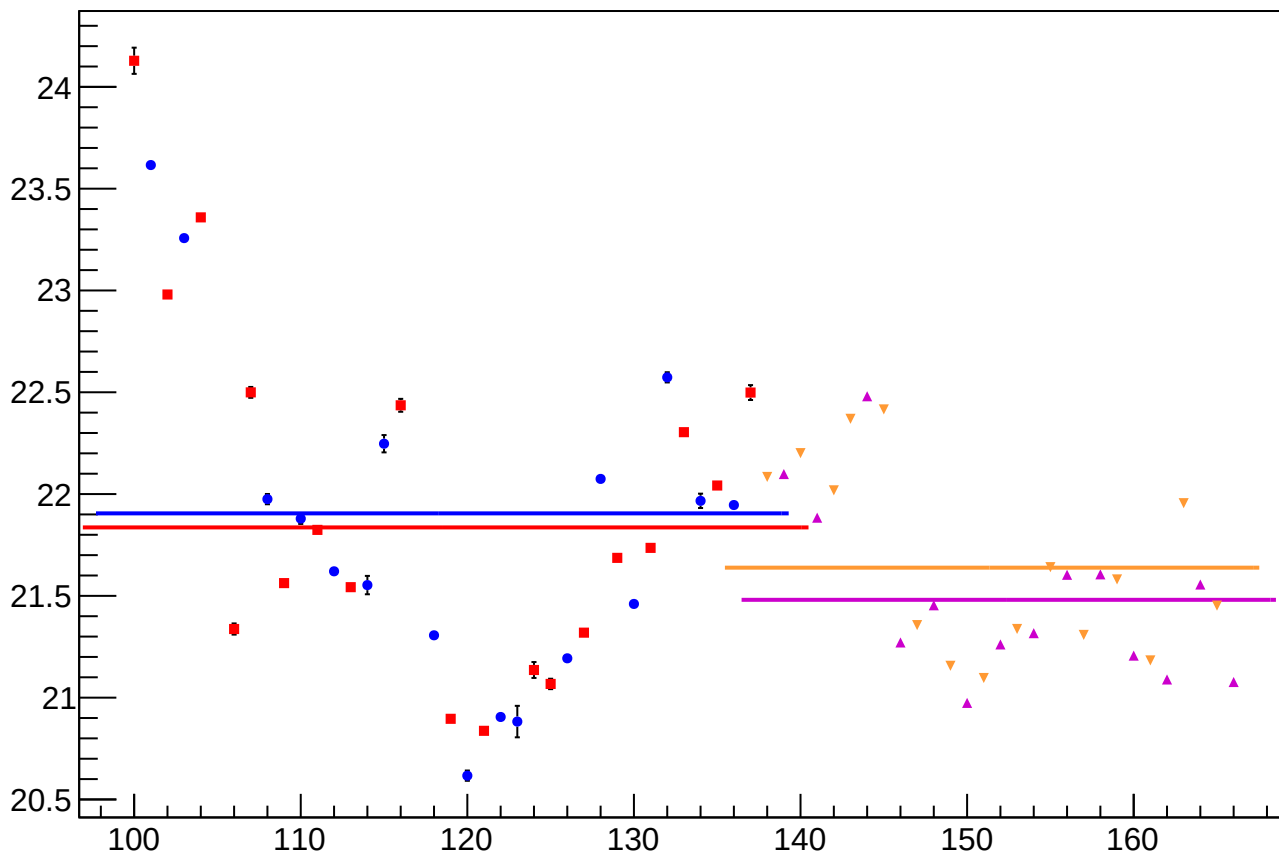
Left In: 8.397 ± 6.519 χ^2/NDF : 12.5/13

+ sign -9.903 ± 5.145 χ^2/NDF : 40.1/31

All: -0.172 ± 3.620 χ^2/NDF : 76.0/64

- sign 9.371 ± 5.095 χ^2/NDF : 28.8/32

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.905+/-0.006 χ^2/NDF : 17794.2/16

Left Out: 21.639+/-0.005 χ^2/NDF : 9157.6/14

Right Out: 21.836+/-0.006 χ^2/NDF : 16251.2/18

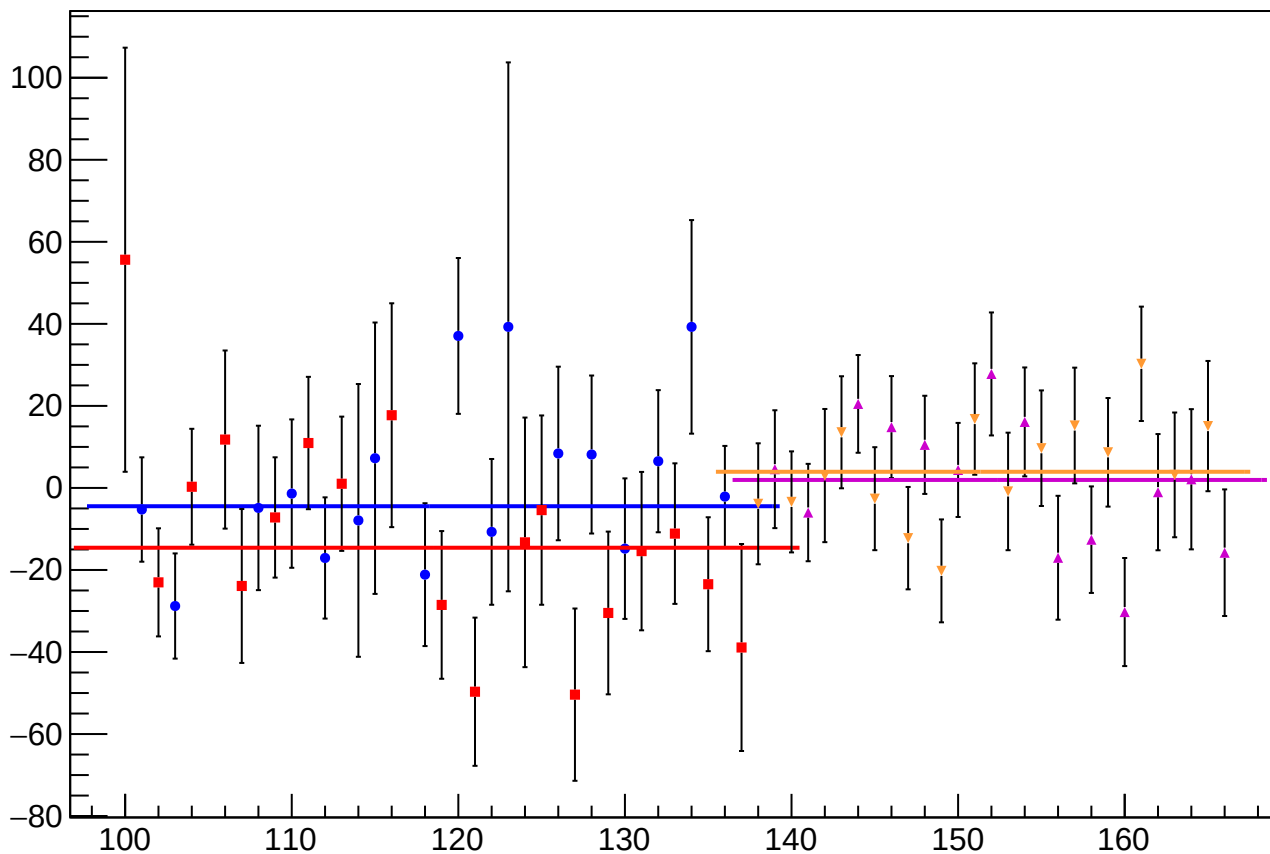
Left In: 21.481+/-0.005 χ^2/NDF : 7797.3/13

+ sign 21.738+/-0.004 χ^2/NDF : 28205.9/31

All: 21.678+/-0.003 χ^2/NDF : 55107.1/64

- sign 21.619+/-0.004 χ^2/NDF : 26364.7/32

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.461 ± 4.329 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 3.941 ± 3.559 $\chi^2/\text{NDF}: 12.8/14$

Right Out: -14.579 ± 4.264 $\chi^2/\text{NDF}: 19.5/18$

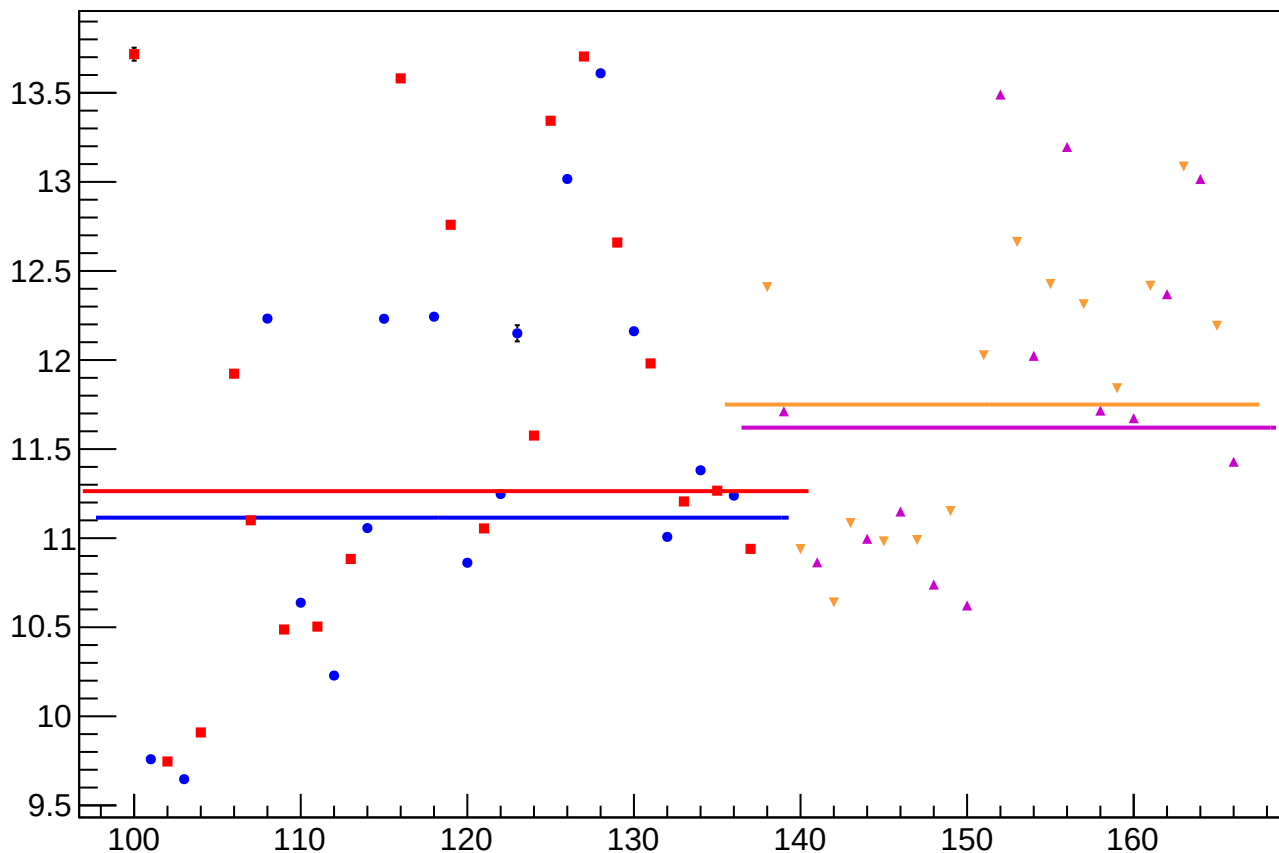
Left In: 1.948 ± 3.561 $\chi^2/\text{NDF}: 18.8/13$

+ sign 0.553 ± 2.749 $\chi^2/\text{NDF}: 30.2/31$

All: -2.161 ± 1.938 $\chi^2/\text{NDF}: 79.3/64$

- sign -4.844 ± 2.733 $\chi^2/\text{NDF}: 47.2/32$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.115 $\pm$ 0.003 χ^2 /NDF: 133059.3/16

Left Out: 11.750 $\pm$ 0.003 χ^2 /NDF: 84640.4/14

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

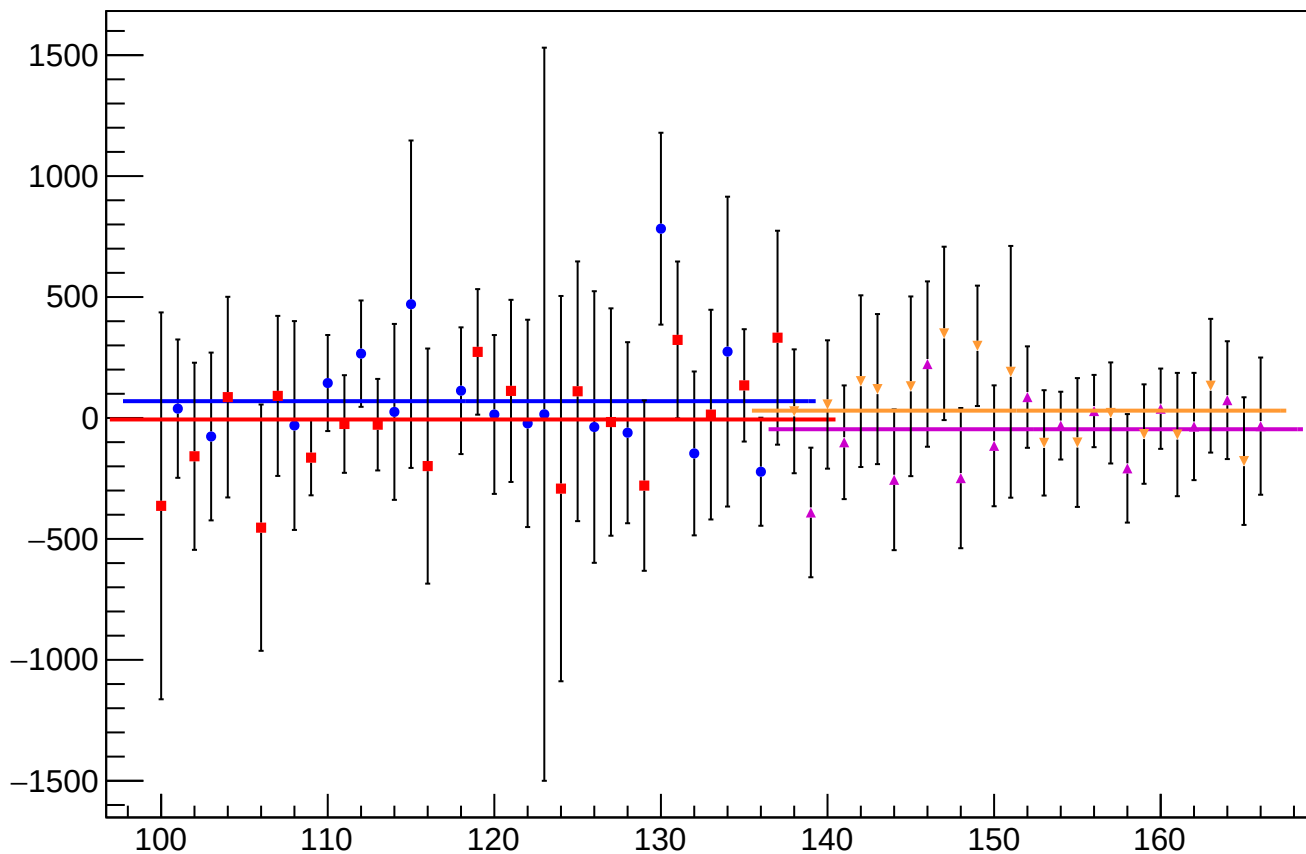
Left In: 11.620 $\pm$ 0.003 χ^2 /NDF: 116639.6/13

+ sign 11.494 $\pm$ 0.002 χ^2 /NDF: 243385.0/31

All: 11.484 $\pm$ 0.001 χ^2 /NDF: 515795.0/64

- sign 11.474 $\pm$ 0.002 χ^2 /NDF: 272356.5/32

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 69.470 $\pm$ 79.231 χ^2 /NDF: 7.3/16

Left Out: 30.309 $\pm$ 69.462 χ^2 /NDF: 4.1/14

Right Out: -6.194 $\pm$ 70.182 χ^2 /NDF: 6.5/18

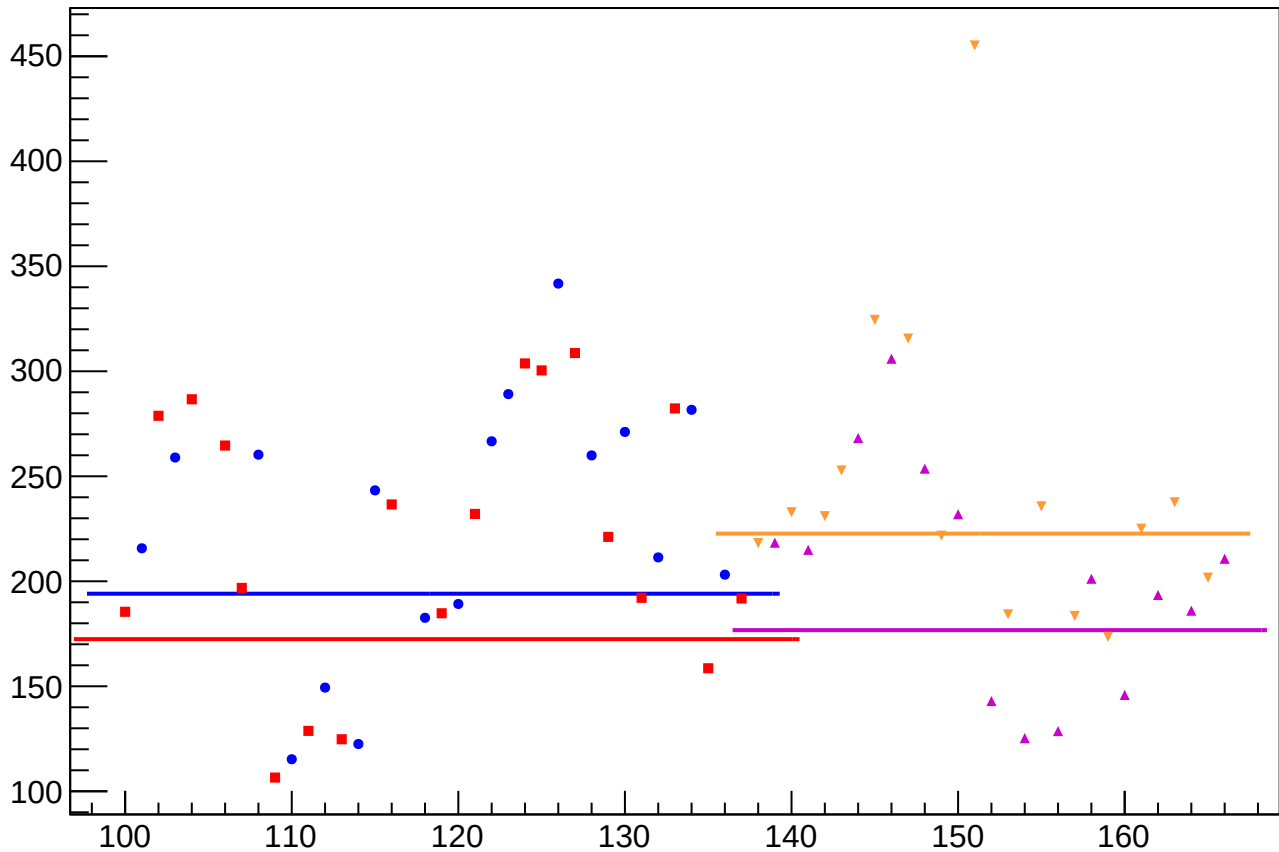
Left In: -46.563 $\pm$ 57.301 χ^2 /NDF: 5.1/13

+ sign 47.328 $\pm$ 52.231 χ^2 /NDF: 11.5/31

All: 2.184 $\pm$ 33.823 χ^2 /NDF: 24.6/64

- sign -30.417 $\pm$ 44.386 χ^2 /NDF: 11.8/32

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.082+/-0.056 χ^2/NDF : 1005395.7/16

Left Out: 222.697+/-0.049 χ^2/NDF : 977476.8/14

Right Out: 172.452+/-0.050 χ^2/NDF : 1569463.1/18

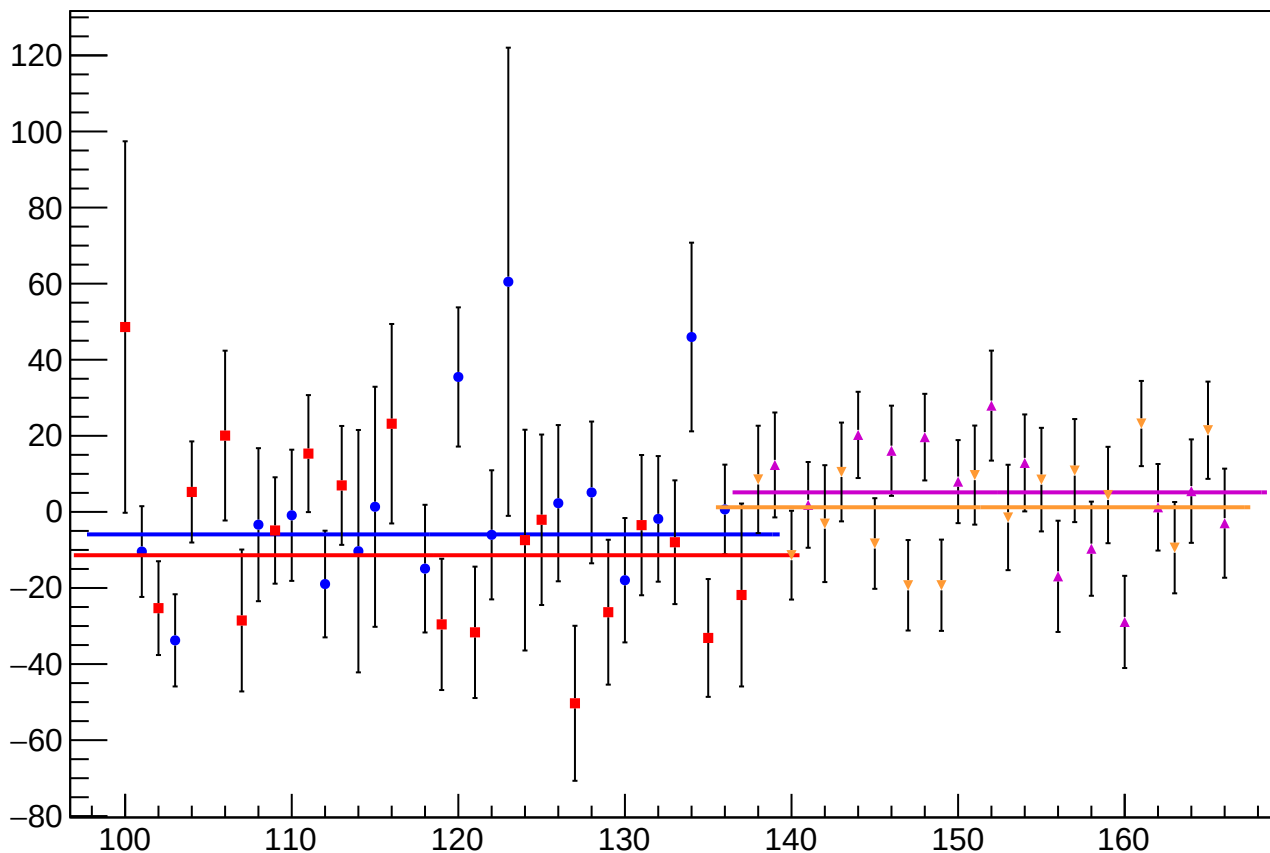
Left In: 176.749+/-0.041 χ^2/NDF : 1487672.6/13

+ sign 210.261+/-0.037 χ^2/NDF : 2130378.0/31

All: 189.803+/-0.024 χ^2/NDF : 5720399.4/64

- sign 175.030+/-0.031 χ^2/NDF : 3061634.2/32

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: 1.221 ± 3.282 χ^2/NDF : 17.0/14

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

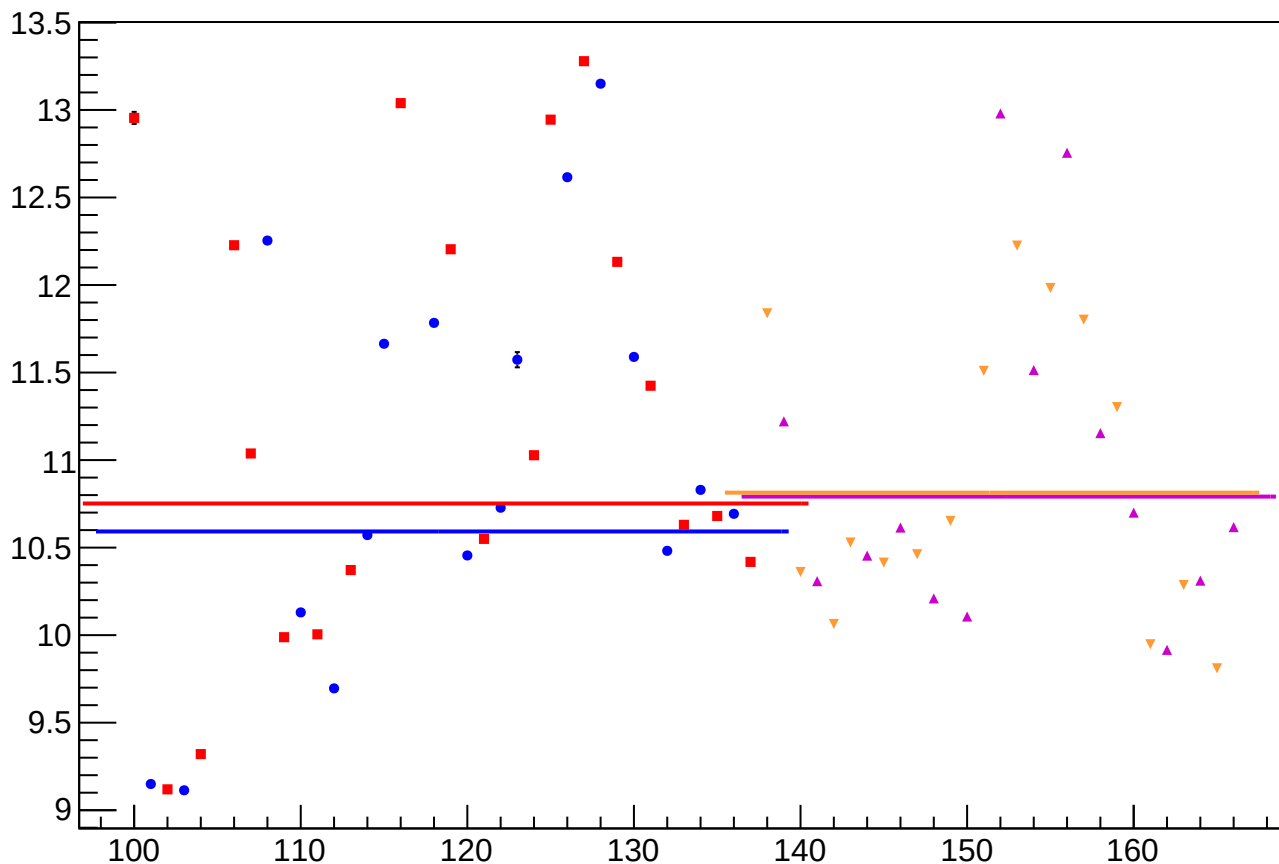
Left In: 5.137 ± 3.313 χ^2/NDF : 19.6/13

+ sign -1.538 ± 2.571 χ^2/NDF : 37.7/31

All: -1.486 ± 1.818 χ^2/NDF : 90.0/64

- sign -1.435 ± 2.572 χ^2/NDF : 52.3/32

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: 10.814 ± 0.002 χ^2/NDF : 106629.0/14

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

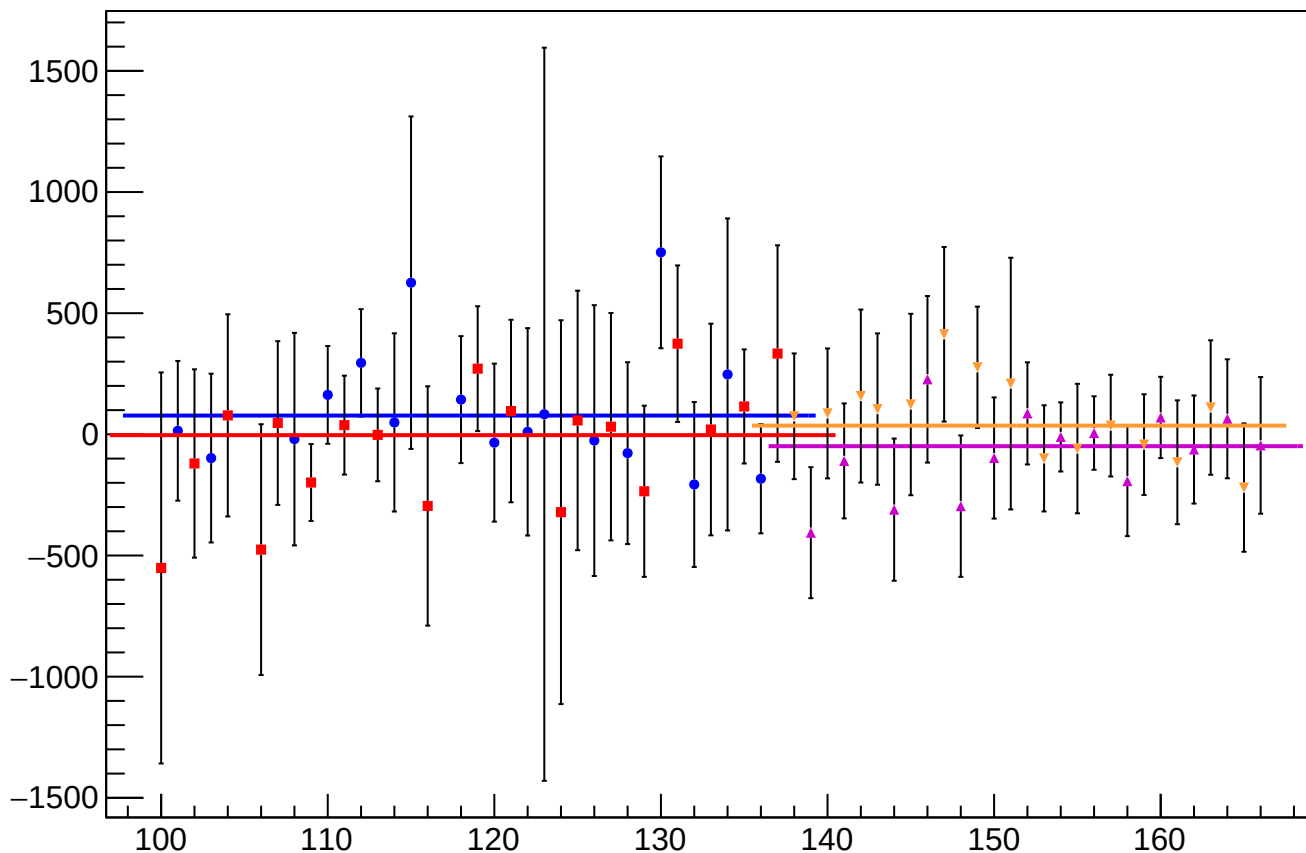
Left In: 10.791 ± 0.002 χ^2/NDF : 125756.9/13

+ sign 10.728 ± 0.002 χ^2/NDF : 270559.2/31

All: 10.752 ± 0.001 χ^2/NDF : 573664.7/64

- sign 10.776 ± 0.002 χ^2/NDF : 302764.6/32

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: 36.023 $\pm$ 69.911 χ^2 /NDF: 4.4/14

Right Out: -3.305 $\pm$ 70.855 χ^2 /NDF: 7.4/18

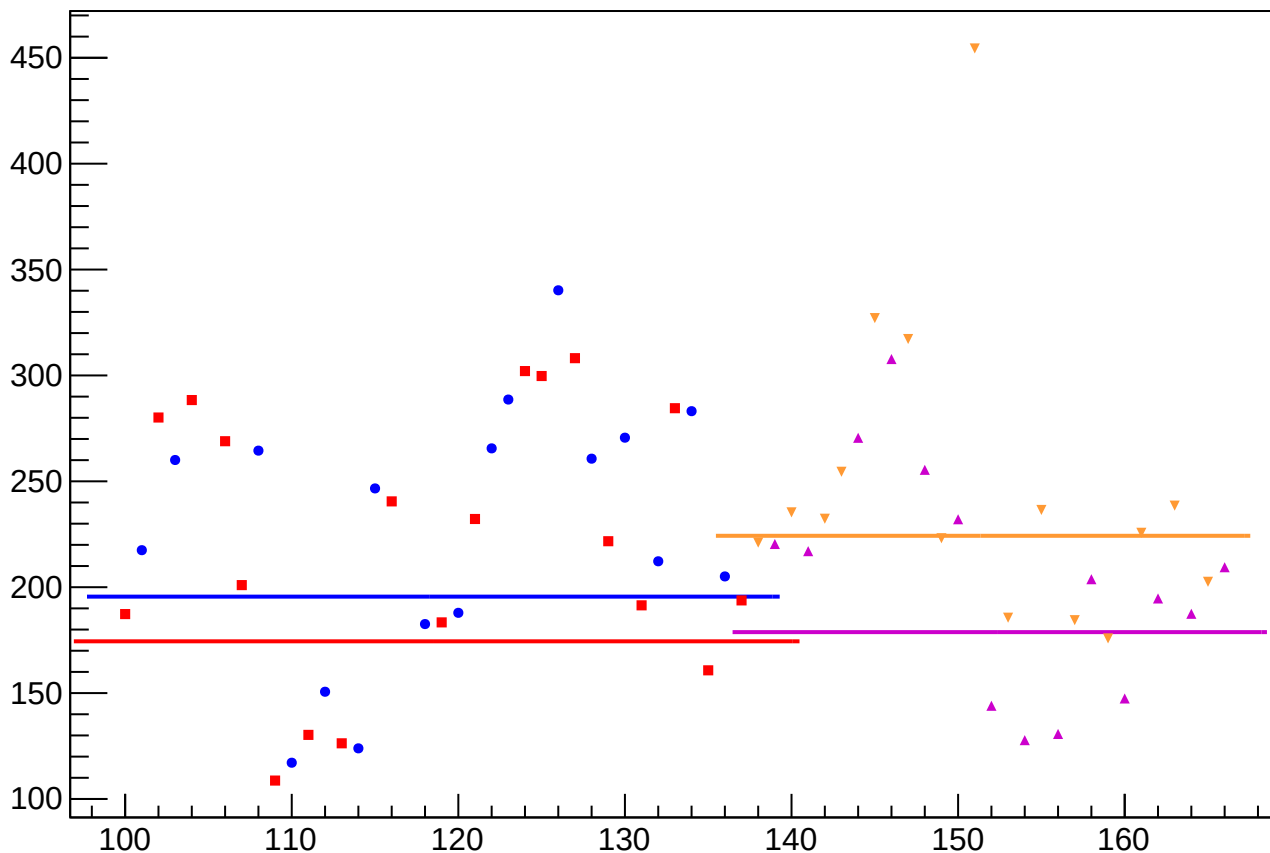
Left In: -48.852 $\pm$ 57.873 χ^2 /NDF: 5.7/13

+ sign 54.085 $\pm$ 52.571 χ^2 /NDF: 12.1/31

All: 5.032 $\pm$ 34.108 χ^2 /NDF: 27.0/64

- sign -30.626 $\pm$ 44.822 χ^2 /NDF: 13.3/32

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: 224.279+/-0.049 χ^2/NDF : 966092.3/14

Right Out: 174.449+/-0.050 χ^2/NDF : 1528629.1/18

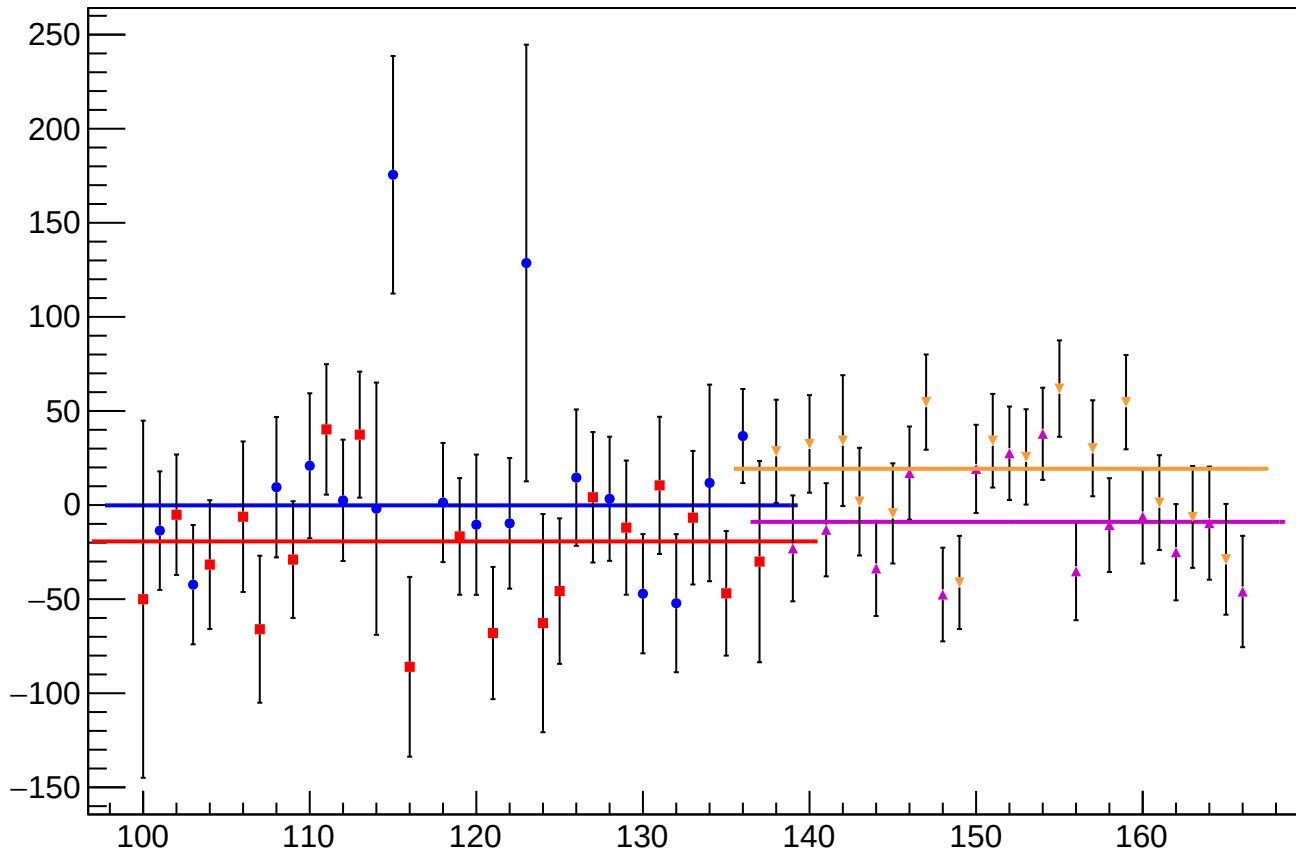
Left In: 178.788+/-0.041 χ^2/NDF : 1446620.0/13

+ sign 211.795+/-0.037 χ^2/NDF : 2092776.0/31

All: 191.677+/-0.024 χ^2/NDF : 5578356.8/64

- sign 177.052+/-0.032 χ^2/NDF : 2979748.2/32

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.158 ± 8.826 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 19.276 ± 6.837 $\chi^2/\text{NDF}: 19.1/14$

Right Out: -19.316 ± 8.554 $\chi^2/\text{NDF}: 14.8/18$

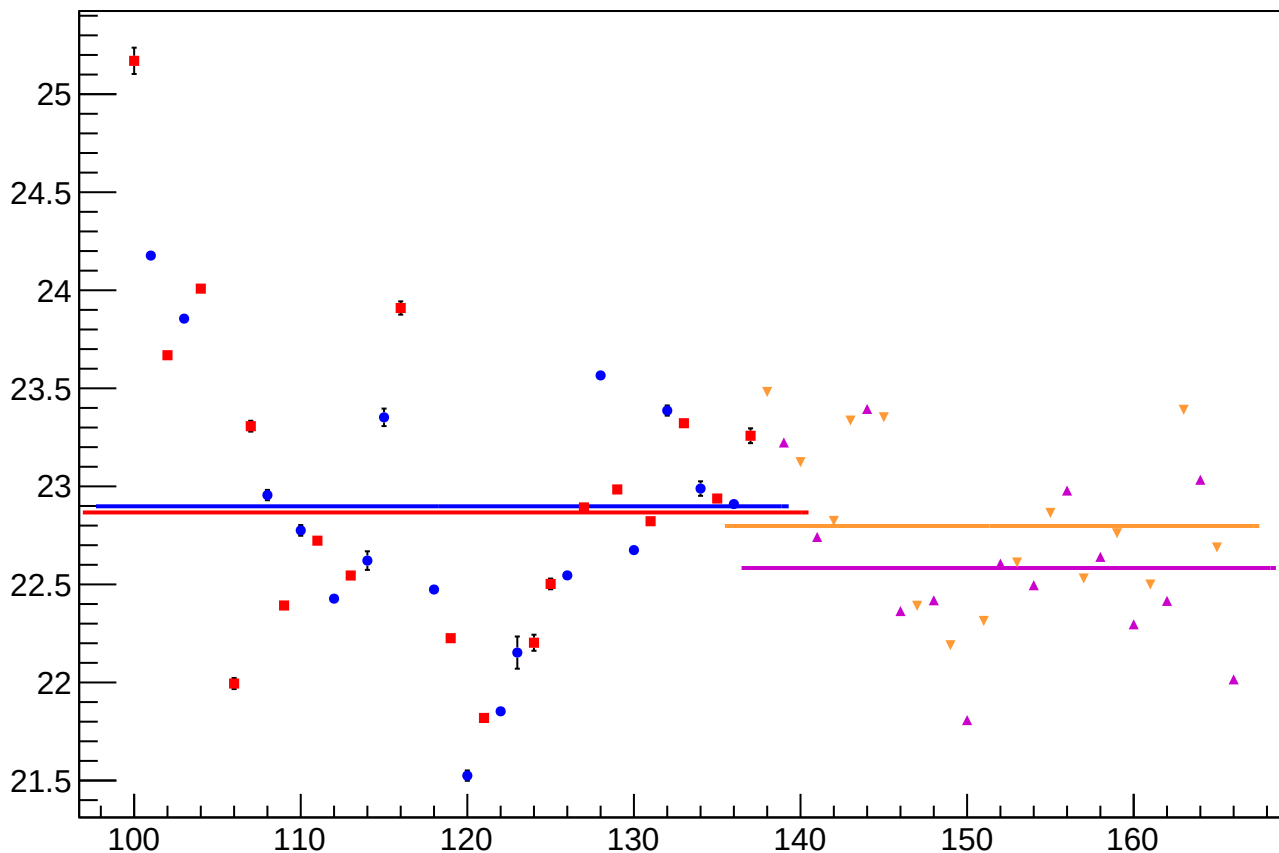
Left In: -8.917 ± 6.854 $\chi^2/\text{NDF}: 15.0/13$

+ sign 11.988 ± 5.405 $\chi^2/\text{NDF}: 40.2/31$

All: -0.628 ± 3.802 $\chi^2/\text{NDF}: 81.6/64$

- sign -12.984 ± 5.349 $\chi^2/\text{NDF}: 30.7/32$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.898 ± 0.006 $\chi^2/\text{NDF}: 12143.3/16$

Left Out: 22.798 ± 0.005 $\chi^2/\text{NDF}: 7227.4/14$

Right Out: 22.867 ± 0.006 $\chi^2/\text{NDF}: 11048.4/18$

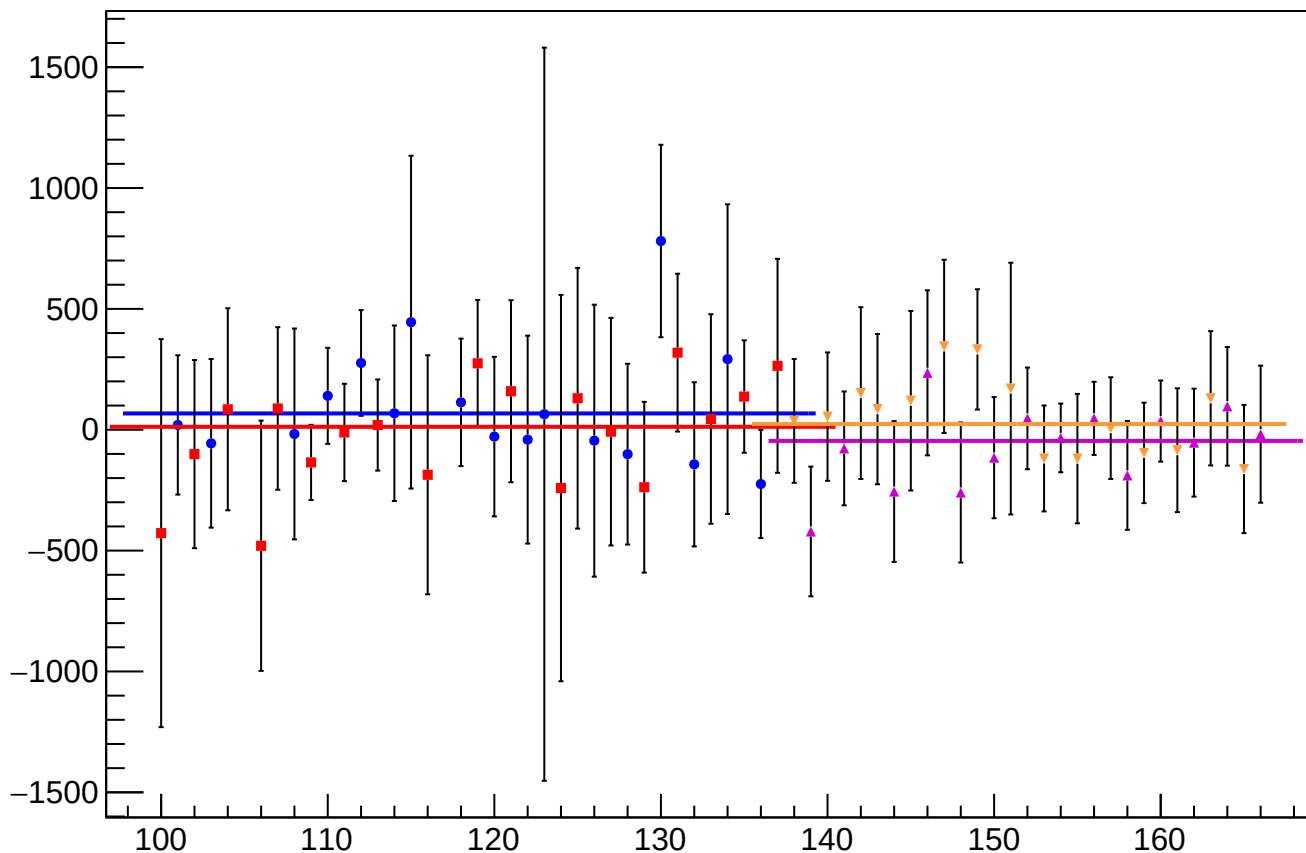
Left In: 22.584 ± 0.005 $\chi^2/\text{NDF}: 7644.8/13$

+ sign 22.836 ± 0.004 $\chi^2/\text{NDF}: 19532.2/31$

All: 22.764 ± 0.003 $\chi^2/\text{NDF}: 40249.8/64$

- sign 22.695 ± 0.004 $\chi^2/\text{NDF}: 20028.7/32$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.449+/-79.404 χ^2/NDF : 7.4/16

Left Out: 23.560+/-69.743 χ^2/NDF : 4.5/14

Right Out: 12.117+/-70.355 χ^2/NDF : 5.8/18

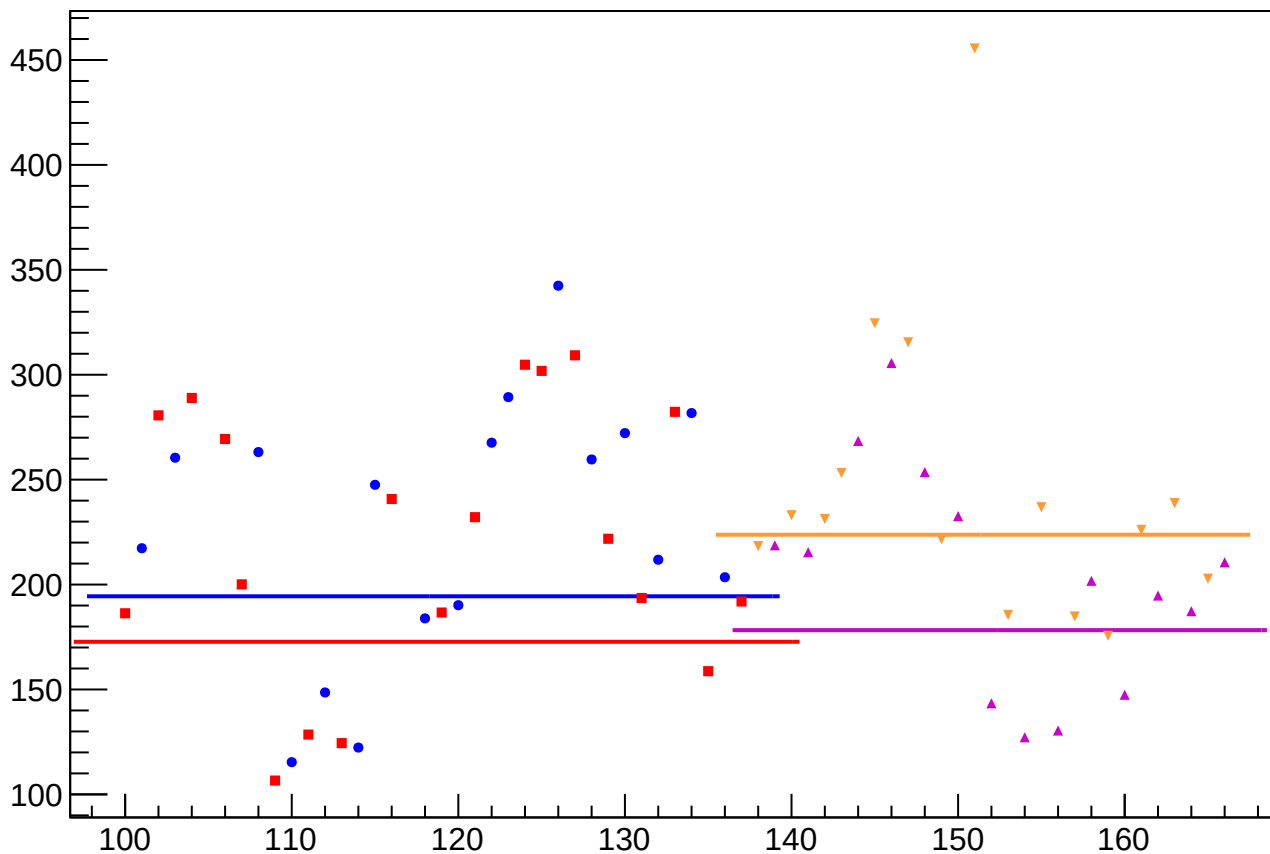
Left In: -46.177+/-57.710 χ^2/NDF : 5.4/13

+ sign 42.673+/-52.400 χ^2/NDF : 12.1/31

All: 4.759+/-33.972 χ^2/NDF : 24.5/64

- sign -22.730+/-44.619 χ^2/NDF : 11.5/32

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.411+/-0.056 χ^2/NDF : 1019913.2/16

Left Out: 223.757+/-0.049 χ^2/NDF : 956880.2/14

Right Out: 172.730+/-0.050 χ^2/NDF : 1596758.0/18

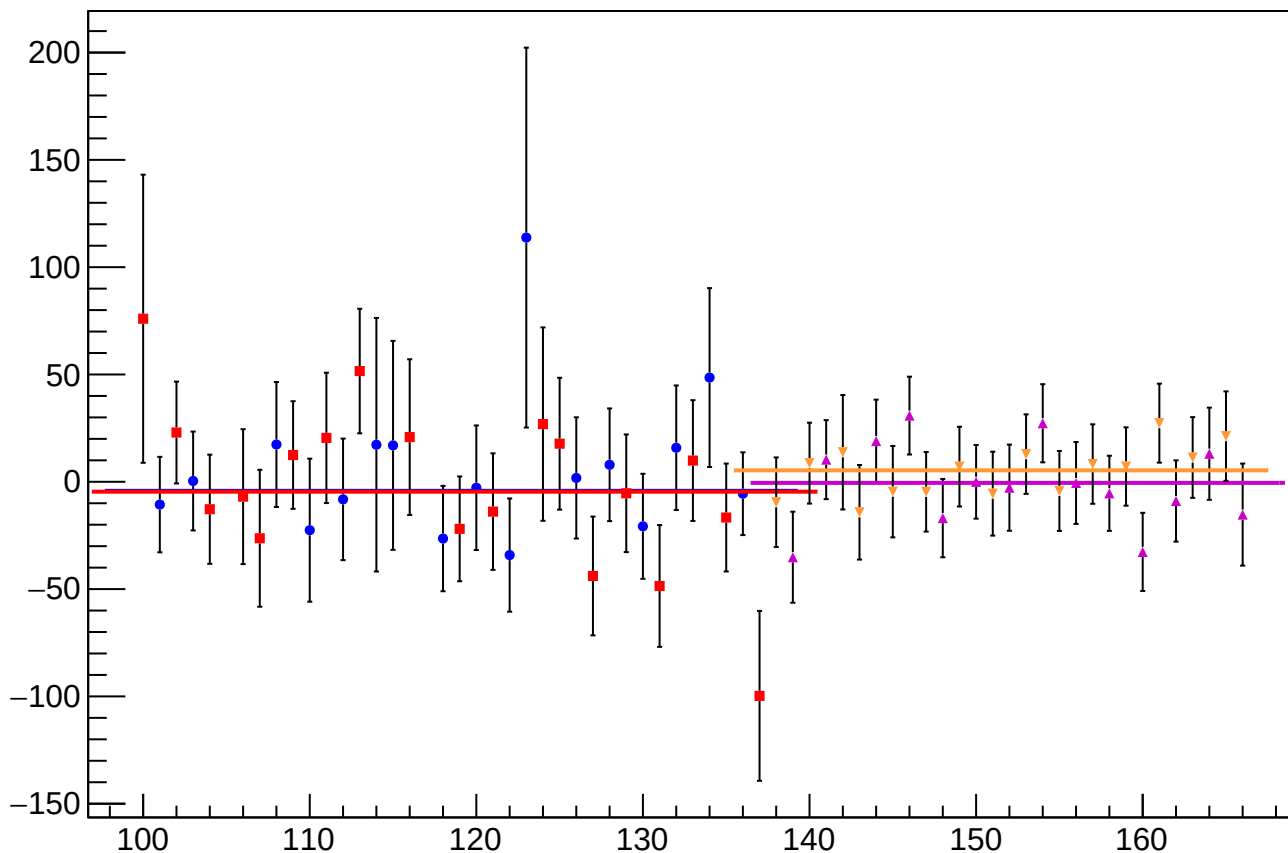
Left In: 178.284+/-0.041 χ^2/NDF : 1436018.6/13

+ sign 210.977+/-0.037 χ^2/NDF : 2131005.5/31

All: 190.730+/-0.024 χ^2/NDF : 5686308.8/64

- sign 176.050+/-0.032 χ^2/NDF : 3040225.9/32

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.223 ± 6.871 χ^2/NDF : 8.0/16

Left Out: 5.323 ± 5.064 χ^2/NDF : 4.8/14

Right Out: -4.599 ± 6.725 χ^2/NDF : 21.1/18

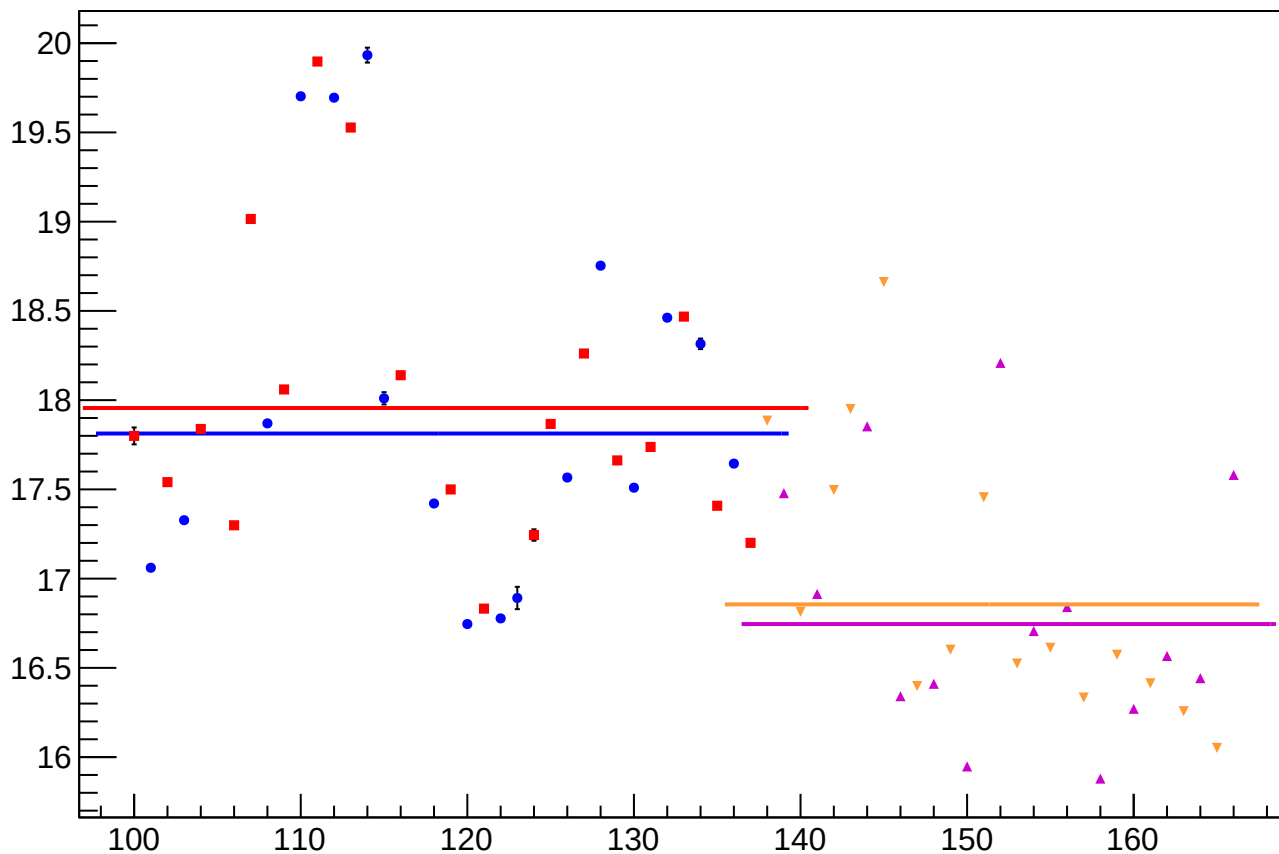
Left In: -0.506 ± 5.093 χ^2/NDF : 14.4/13

+ sign 1.963 ± 4.076 χ^2/NDF : 14.1/31

All: -0.025 ± 2.877 χ^2/NDF : 50.2/64

- sign -1.998 ± 4.060 χ^2/NDF : 35.7/32

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: 16.856 $\pm$ 0.004 χ^2 /NDF:38037.0/14

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25445.3/18

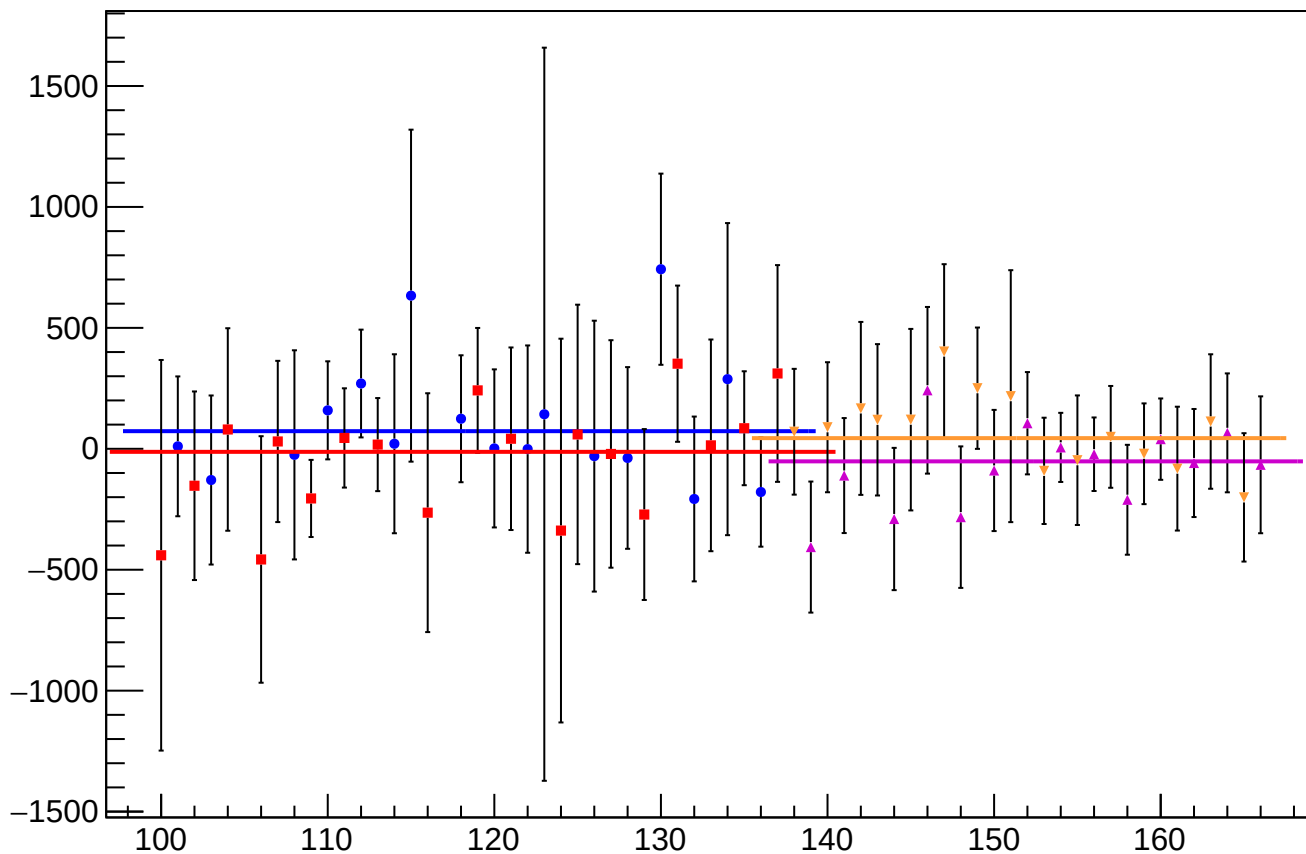
Left In: 16.746 $\pm$ 0.004 χ^2 /NDF:35114.6/13

+ sign 17.193 $\pm$ 0.003 χ^2 /NDF: 95231.3/31

All: 17.190 $\pm$ 0.002 χ^2 /NDF: 196969.4/64

- sign 17.187 $\pm$ 0.003 χ^2 /NDF: 101736.1/32

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 72.888 $\pm$ 79.948 χ^2 /NDF: 7.2/16

Left Out: 44.093 $\pm$ 70.068 χ^2 /NDF: 3.8/14

Right Out: -12.565 $\pm$ 71.013 χ^2 /NDF: 6.7/18

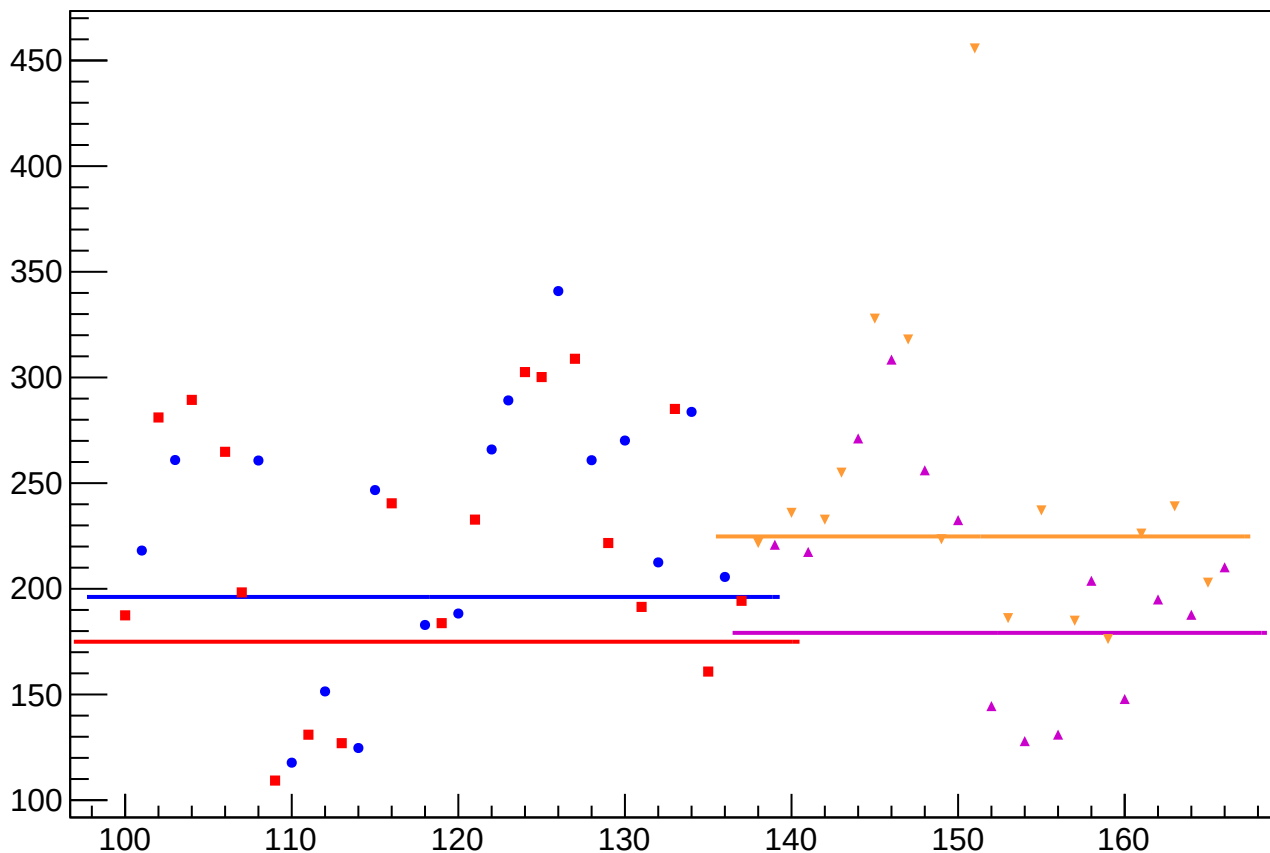
Left In: -51.965 $\pm$ 57.993 χ^2 /NDF: 5.6/13

+ sign 56.602 $\pm$ 52.694 χ^2 /NDF: 11.1/31

All: 2.853 $\pm$ 34.184 χ^2 /NDF: 25.4/64

- sign -36.201 $\pm$ 44.918 χ^2 /NDF: 12.5/32

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.151 $\pm$ 0.057 χ^2 /NDF: 964998.4/16

Left Out: 224.779 $\pm$ 0.050 χ^2 /NDF: 966142.3/14

Right Out: 174.965 $\pm$ 0.050 χ^2 /NDF: 1510956.5/18

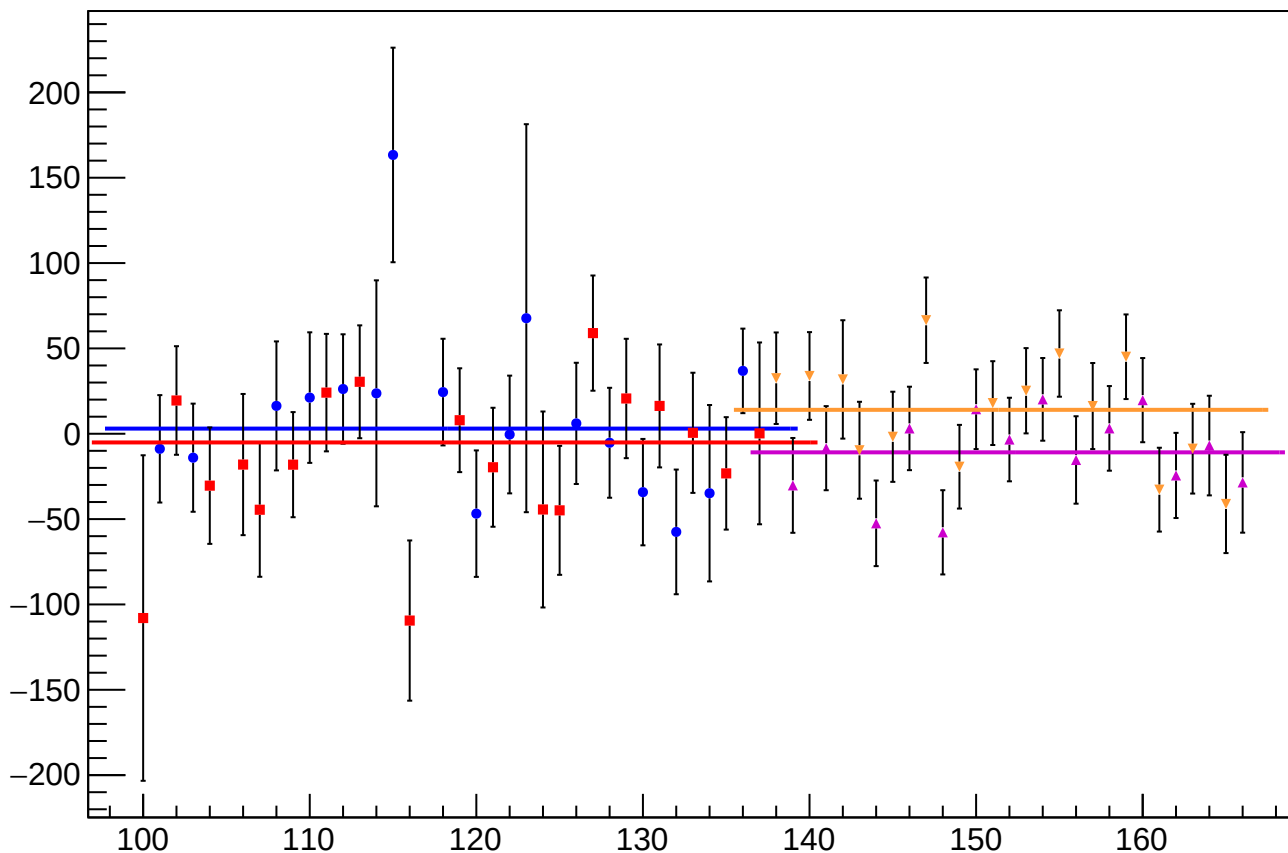
Left In: 179.158 $\pm$ 0.041 χ^2 /NDF: 1446279.6/13

+ sign 212.342 $\pm$ 0.037 χ^2 /NDF: 2076177.9/31

All: 192.151 $\pm$ 0.024 χ^2 /NDF: 5544600.2/64

- sign 177.480 $\pm$ 0.032 χ^2 /NDF: 2961418.8/32

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: 14.016 ± 6.741 $\chi^2/\text{NDF}: 20.2/14$

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

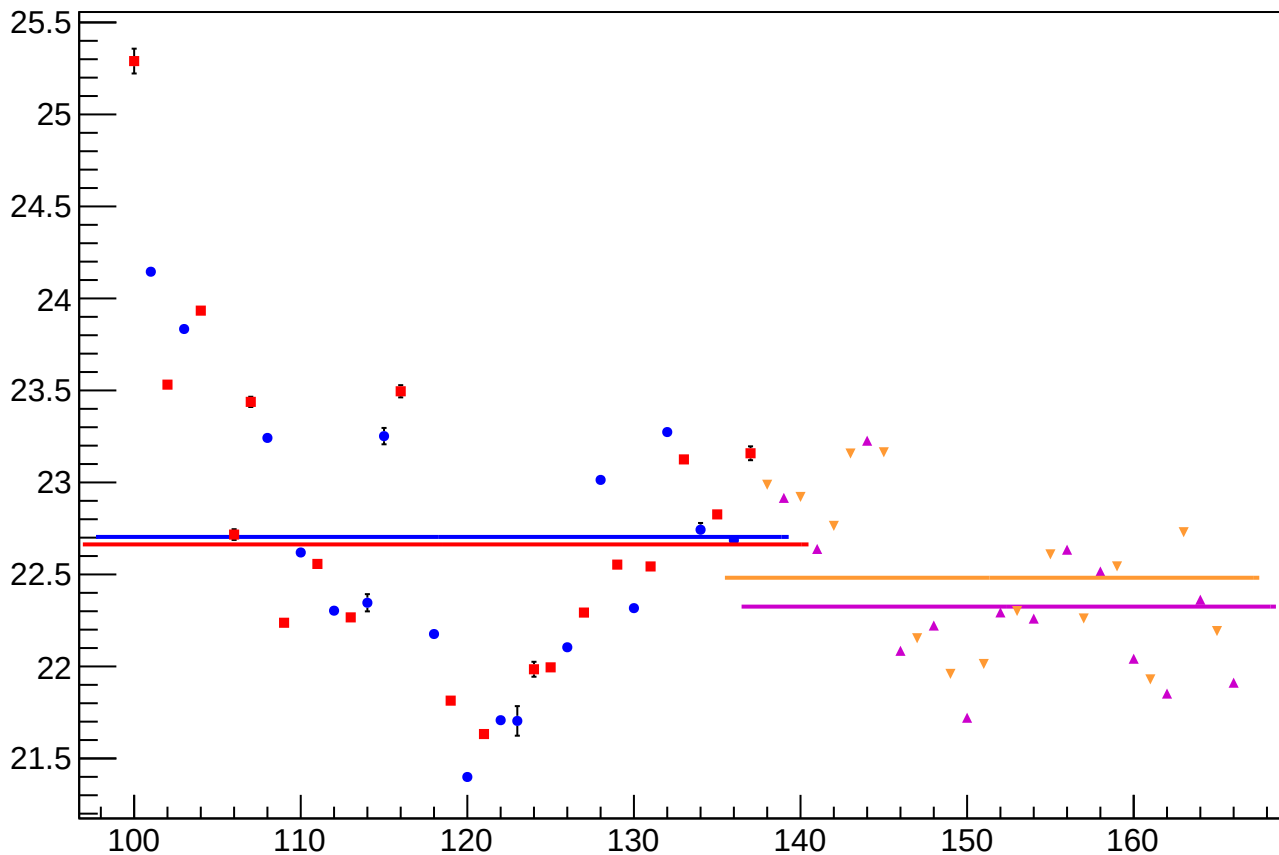
Left In: -10.892 ± 6.775 $\chi^2/\text{NDF}: 12.6/13$

+ sign 9.922 ± 5.340 $\chi^2/\text{NDF}: 38.3/31$

All: 0.561 ± 3.759 $\chi^2/\text{NDF}: 74.5/64$

- sign -8.631 ± 5.293 $\chi^2/\text{NDF}: 30.1/32$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.704 ± 0.006 χ^2/NDF : 14105.8/16

Left Out: 22.482 ± 0.005 χ^2/NDF : 7585.7/14

Right Out: 22.663 ± 0.006 χ^2/NDF : 12943.4/18

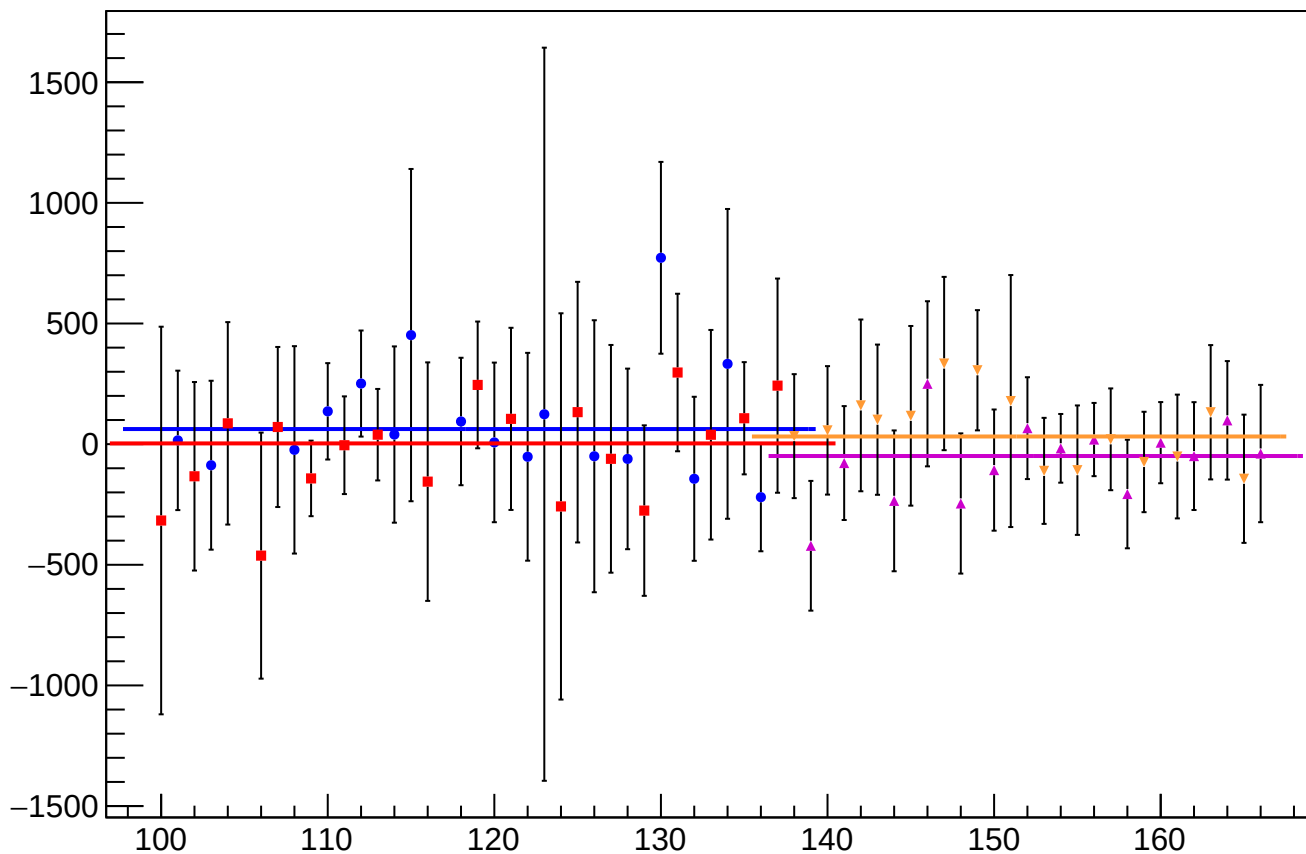
Left In: 22.325 ± 0.005 χ^2/NDF : 7186.8/13

+ sign 22.565 ± 0.004 χ^2/NDF : 22498.4/31

All: 22.510 ± 0.003 χ^2/NDF : 44979.7/64

- sign 22.457 ± 0.004 χ^2/NDF : 22070.6/32

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573 $\pm$ 79.605 χ^2 /NDF: 7.0/16

Left Out: 31.717 $\pm$ 69.899 χ^2 /NDF: 3.9/14

Right Out: 3.038 $\pm$ 70.518 χ^2 /NDF: 5.2/18

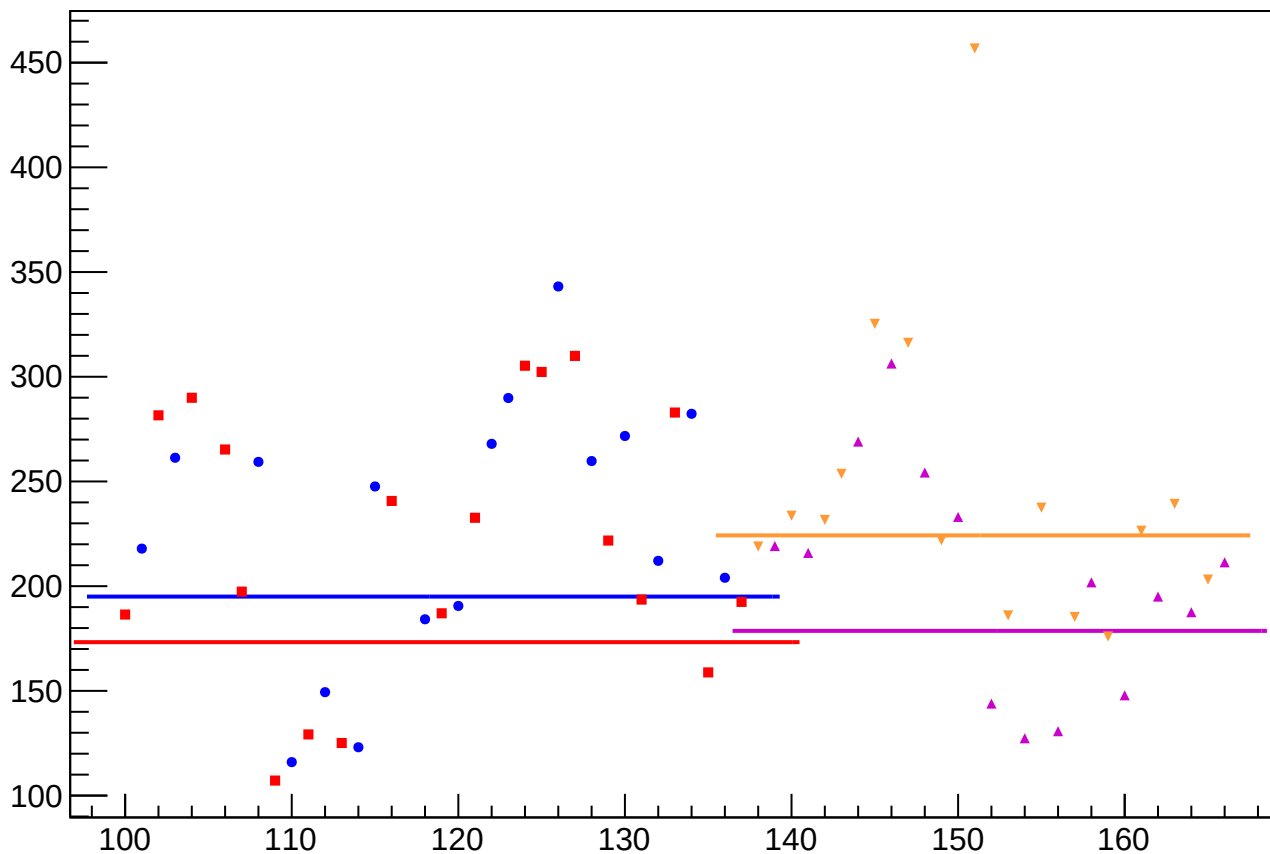
Left In: -49.222 $\pm$ 57.829 χ^2 /NDF: 5.1/13

+ sign 45.150 $\pm$ 52.524 χ^2 /NDF: 11.0/31

All: 2.618 $\pm$ 34.048 χ^2 /NDF: 22.8/64

- sign -28.209 $\pm$ 44.716 χ^2 /NDF: 10.7/32

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: 224.255 $\pm$ 0.049 χ^2 /NDF: 956948.9/14

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

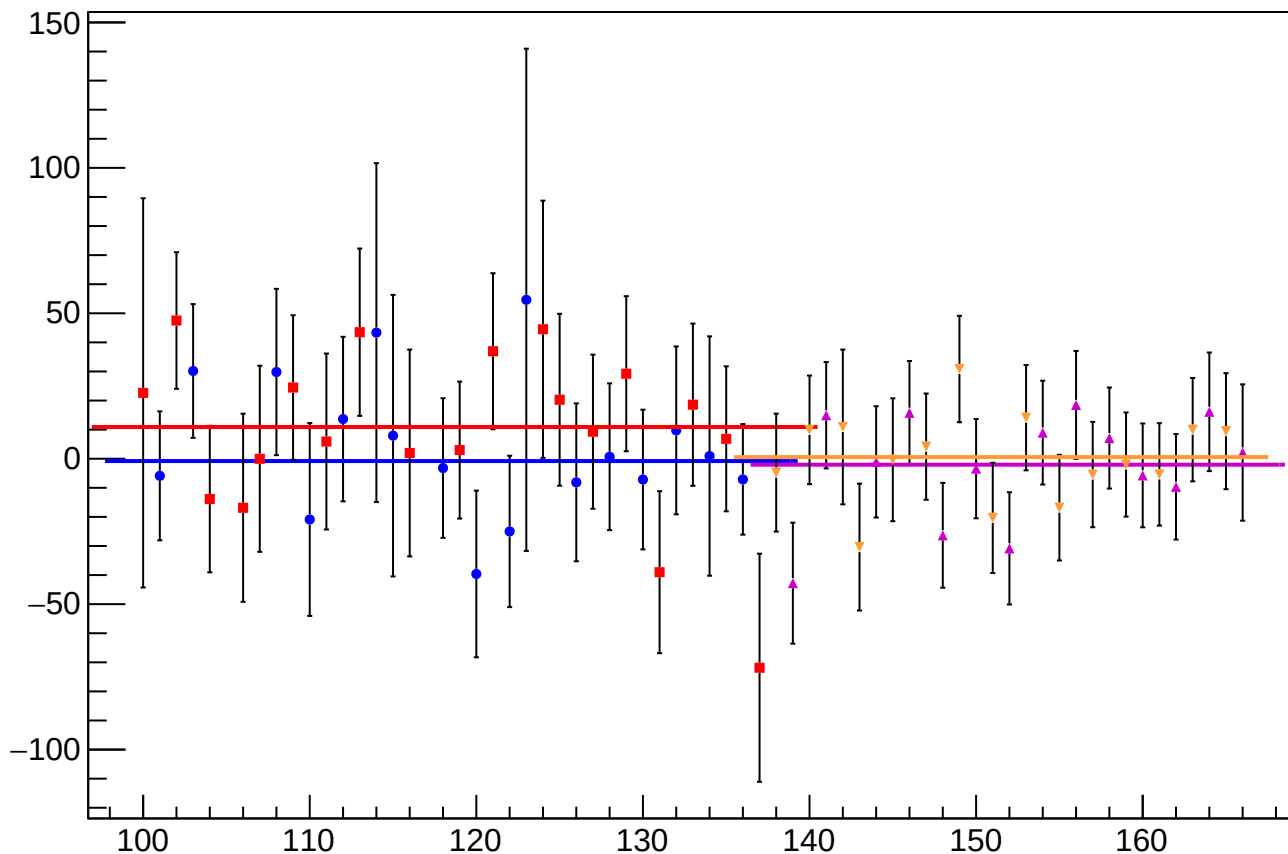
Left In: 178.651 $\pm$ 0.041 χ^2 /NDF: 1435769.5/13

+ sign 211.528 $\pm$ 0.037 χ^2 /NDF: 2113529.3/31

All: 191.210 $\pm$ 0.024 χ^2 /NDF: 5650686.3/64

- sign 176.484 $\pm$ 0.032 χ^2 /NDF: 3020956.8/32

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: 0.560 ± 4.940 χ^2/NDF : 8.7/14

Right Out: 10.912 ± 6.626 χ^2/NDF : 15.9/18

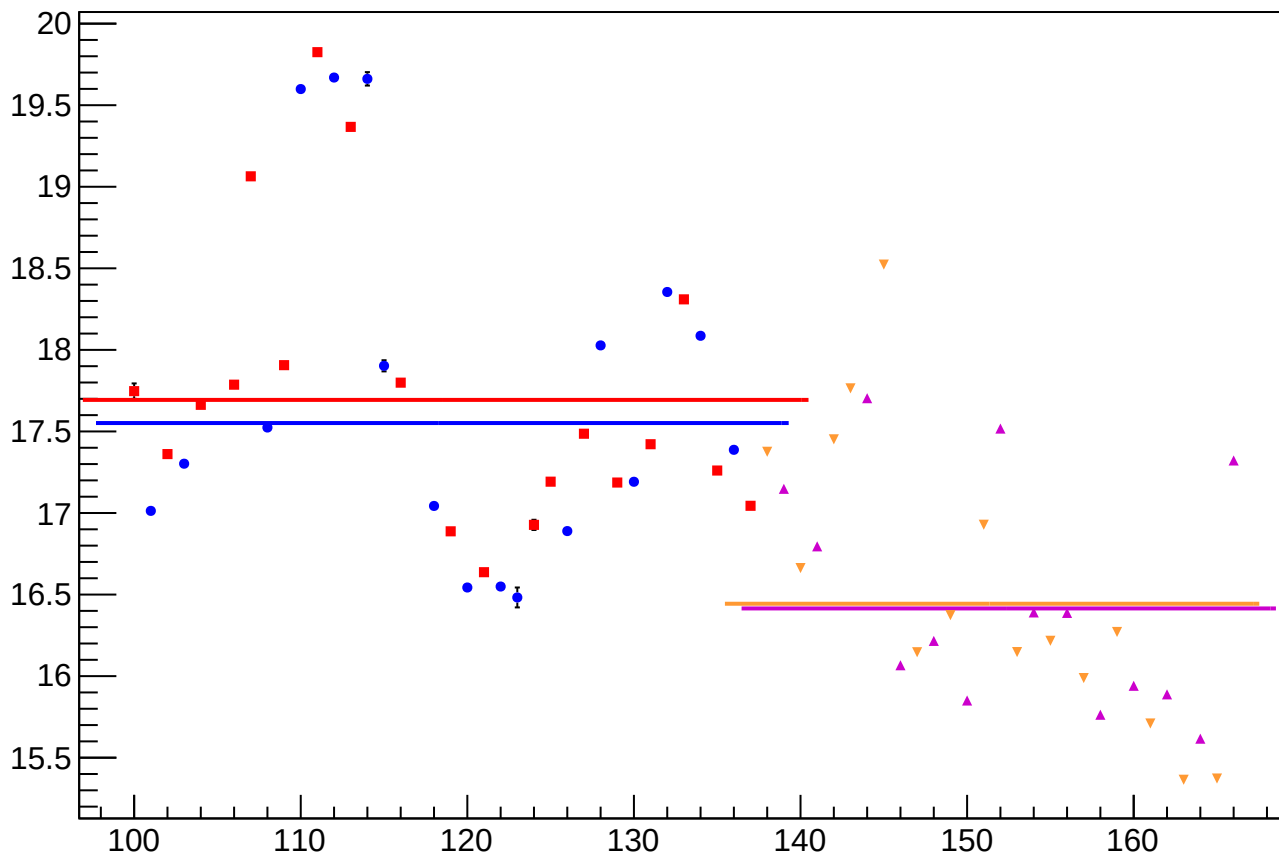
Left In: -2.046 ± 4.991 χ^2/NDF : 12.7/13

+ sign 0.087 ± 3.991 χ^2/NDF : 16.5/31

All: 1.367 ± 2.820 χ^2/NDF : 47.7/64

- sign 2.644 ± 3.987 χ^2/NDF : 31.1/32

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 $\pm$ 0.005 χ^2 /NDF: 34027.1/16

Left Out: 16.444 $\pm$ 0.003 χ^2 /NDF: 54842.2/14

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30742.0/18

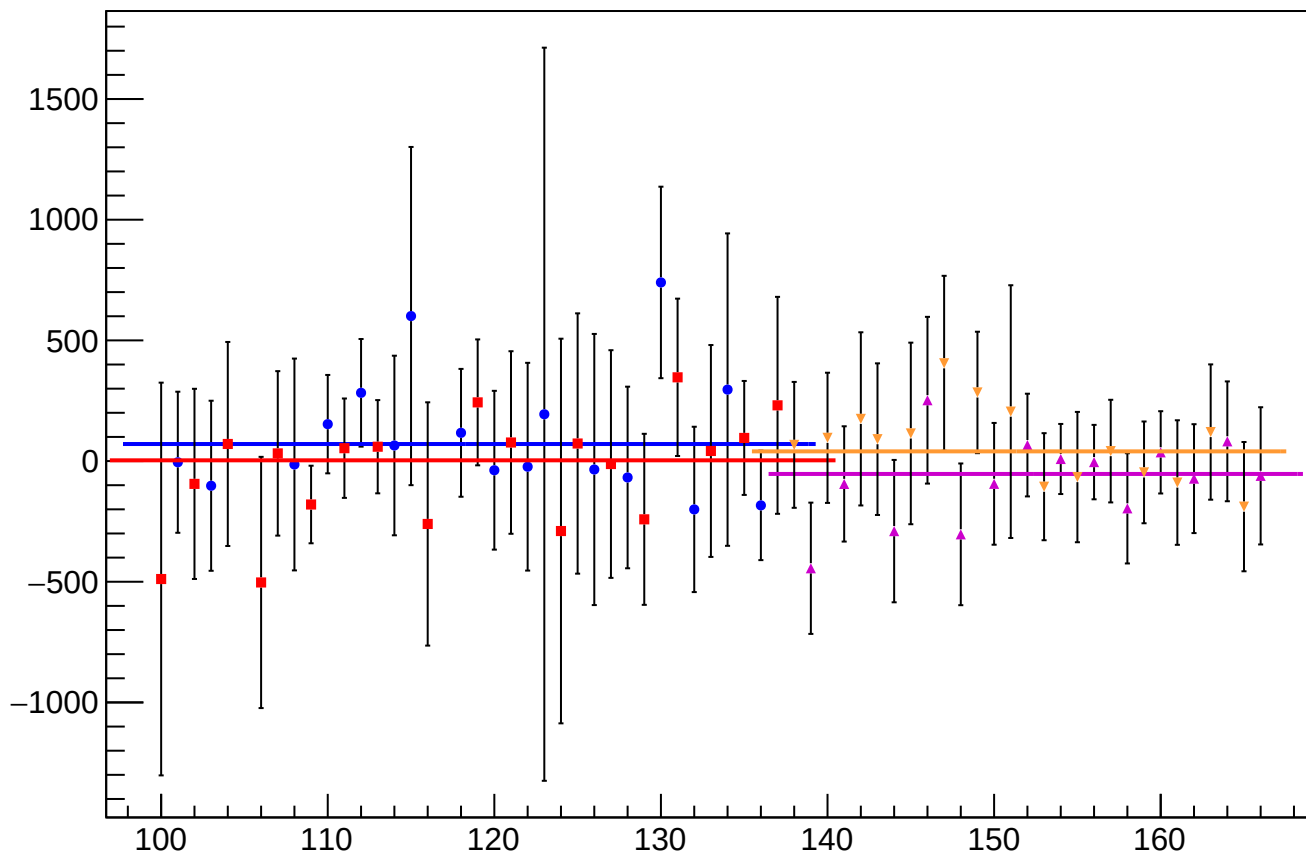
Left In: 16.415 $\pm$ 0.004 χ^2 /NDF: 34139.5/13

+ sign 16.829 $\pm$ 0.003 χ^2 /NDF: 123808.7/31

All: 16.853 $\pm$ 0.002 χ^2 /NDF: 236342.1/64

- sign 16.878 $\pm$ 0.003 χ^2 /NDF: 112382.5/32

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 70.634+/-80.409 χ^2/NDF : 7.2/16

Left Out: 40.202+/-70.561 χ^2/NDF : 4.1/14

Right Out: 3.063+/-71.508 χ^2/NDF : 6.2/18

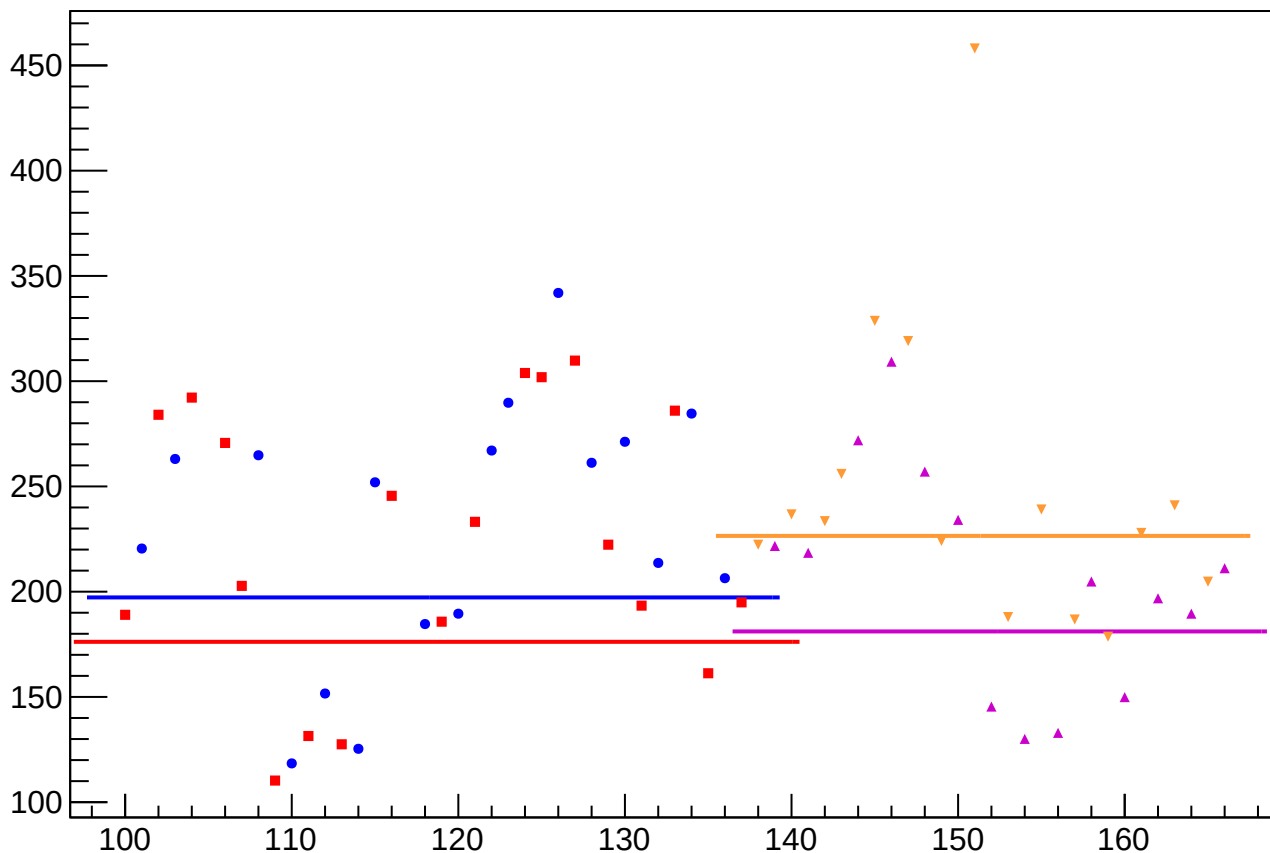
Left In: -53.389+/-58.551 χ^2/NDF : 5.8/13

+ sign 53.441+/-53.036 χ^2/NDF : 11.4/31

All: 4.776+/-34.446 χ^2/NDF : 25.3/64

- sign -30.731+/-45.302 χ^2/NDF : 12.4/32

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: 226.502 $\pm$ 0.050 χ^2 /NDF: 947408.5/14

Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

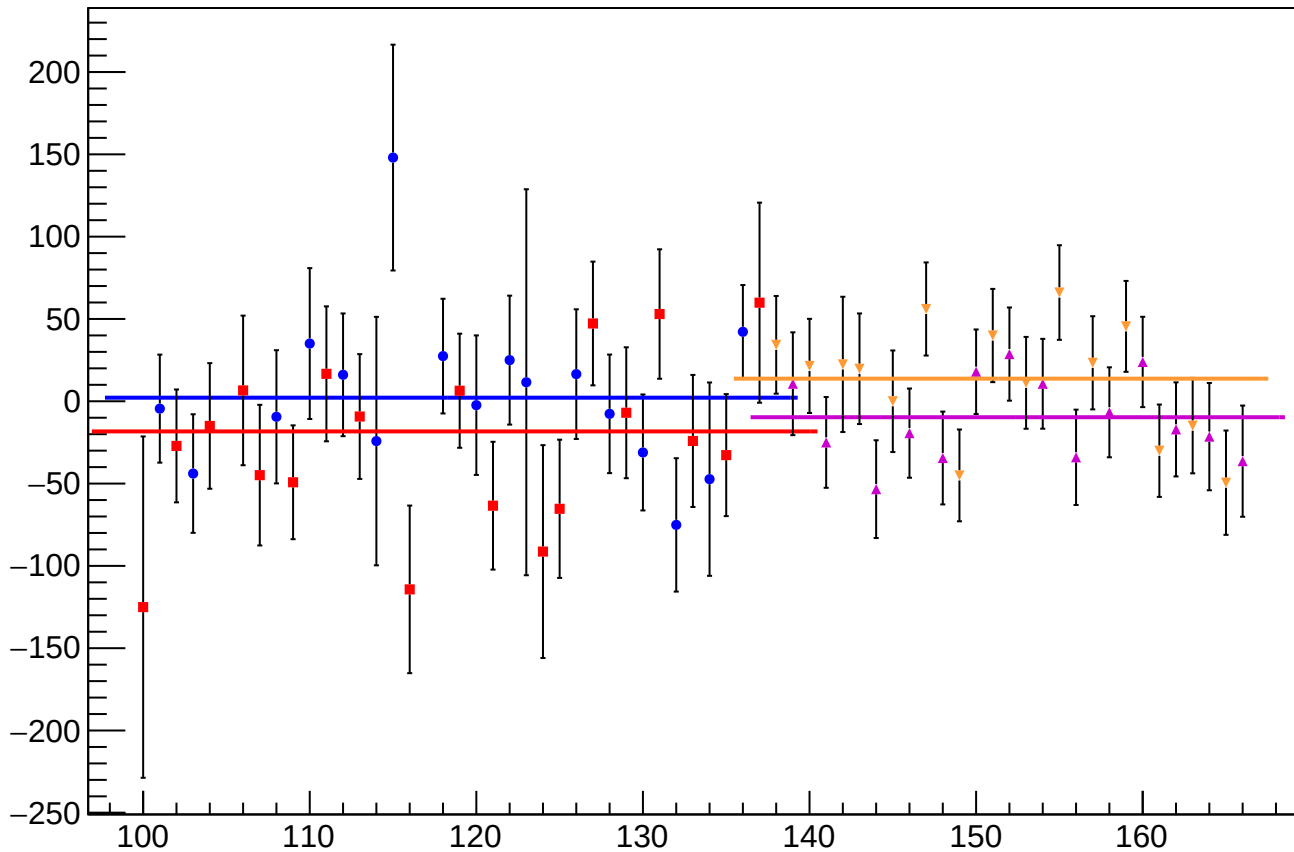
Left In: 181.113 $\pm$ 0.041 χ^2 /NDF: 1402166.1/13

+ sign 213.785 $\pm$ 0.038 χ^2 /NDF: 2066278.4/31

All: 193.751 $\pm$ 0.024 χ^2 /NDF: 5487468.3/64

- sign 179.133 $\pm$ 0.032 χ^2 /NDF: 2927570.1/32

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: 13.740 ± 7.628 χ^2/NDF : 20.5/14

Right Out: -18.320 ± 9.497 χ^2/NDF : 19.6/18

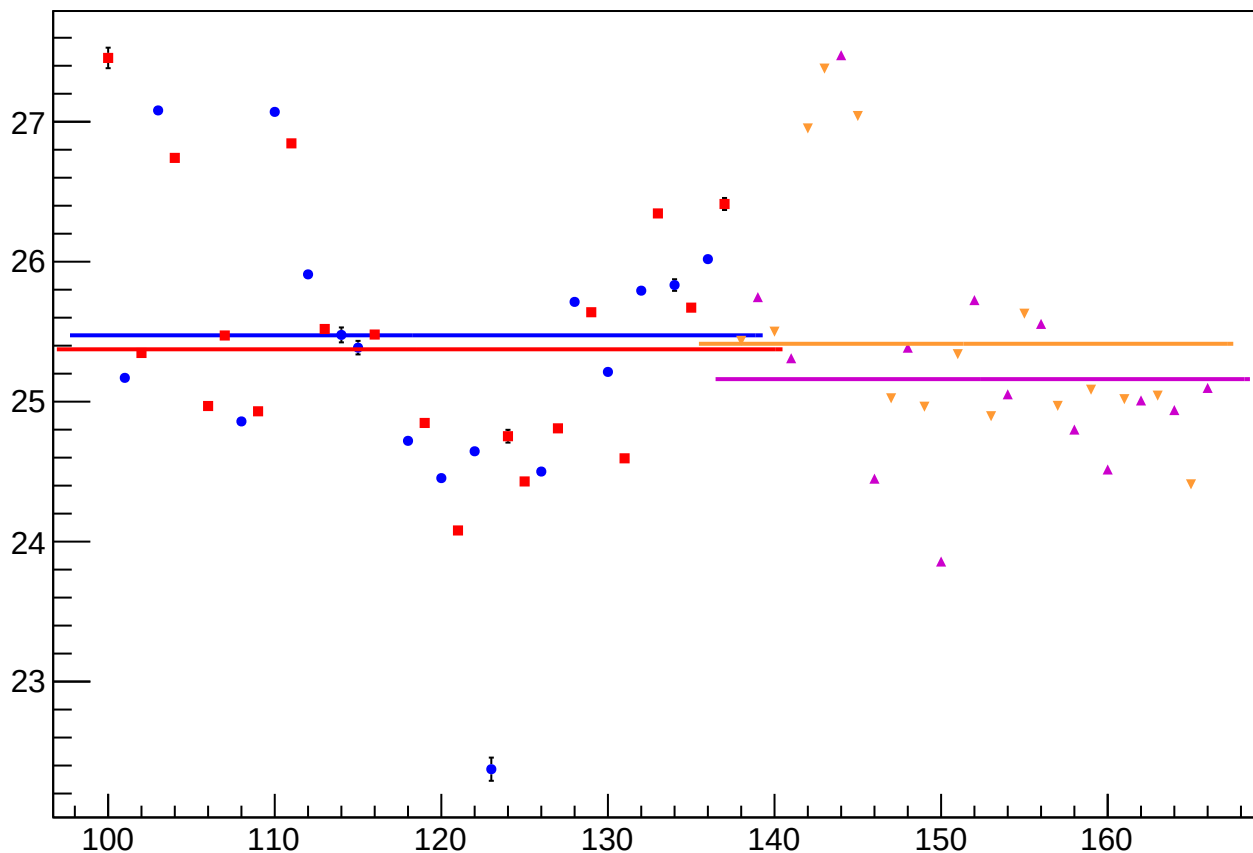
Left In: -9.696 ± 7.645 χ^2/NDF : 10.4/13

+ sign 9.391 ± 6.025 χ^2/NDF : 36.7/31

All: -1.979 ± 4.236 χ^2/NDF : 74.3/64

- sign -13.087 ± 5.955 χ^2/NDF : 30.5/32

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474 $\pm$ 0.007 χ^2 /NDF: 14061.2/16

Left Out: 25.413 $\pm$ 0.005 χ^2 /NDF: 20461.1/14

Right Out: 25.374 $\pm$ 0.007 χ^2 /NDF: 13581.2/18

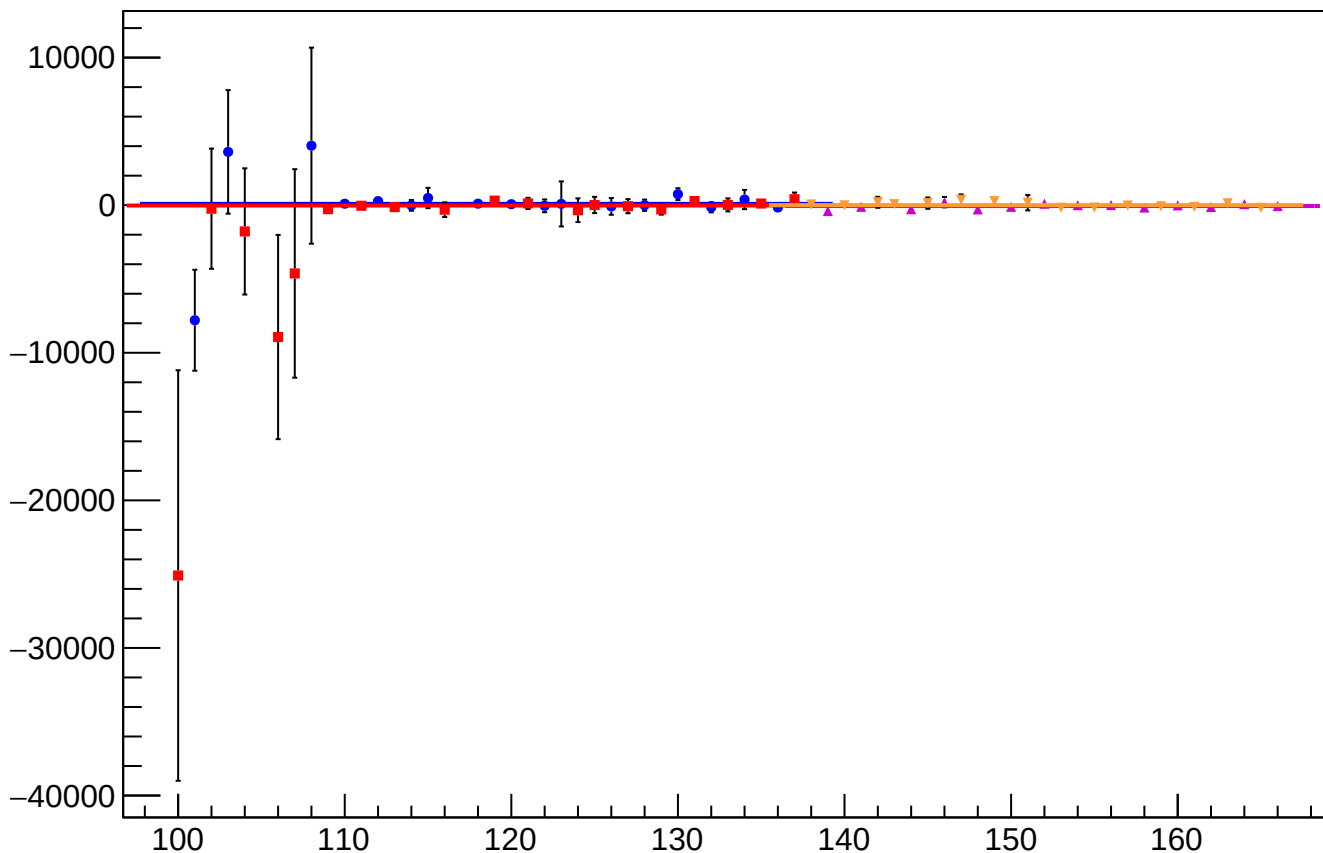
Left In: 25.161 $\pm$ 0.005 χ^2 /NDF: 22382.7/13

+ sign 25.436 $\pm$ 0.004 χ^2 /NDF: 34569.5/31

All: 25.339 $\pm$ 0.003 χ^2 /NDF: 72166.2/64

- sign 25.245 $\pm$ 0.004 χ^2 /NDF: 36574.8/32

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: 3.234+/-71.288 χ^2/NDF : 4.6/14

Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

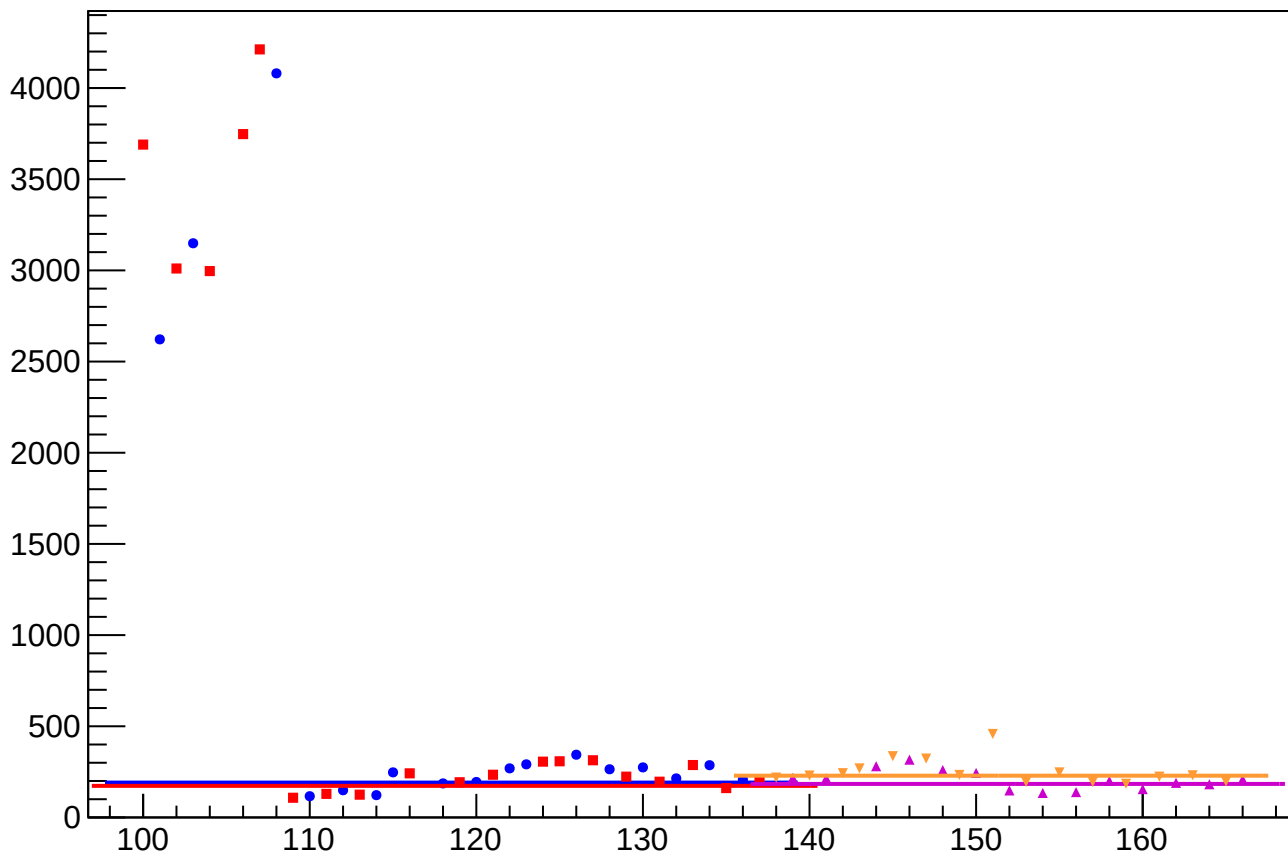
Left In: -58.427+/-59.263 χ^2/NDF : 4.8/13

+ sign 37.636+/-55.300 χ^2/NDF : 17.5/31

All: -10.182+/-36.167 χ^2/NDF : 35.6/64

- sign -45.921+/-47.808 χ^2/NDF : 16.9/32

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: 229.089+/-0.050 χ^2/NDF : 927203.4/14

Right Out: 173.269+/-0.057 χ^2/NDF : 4207191.5/18

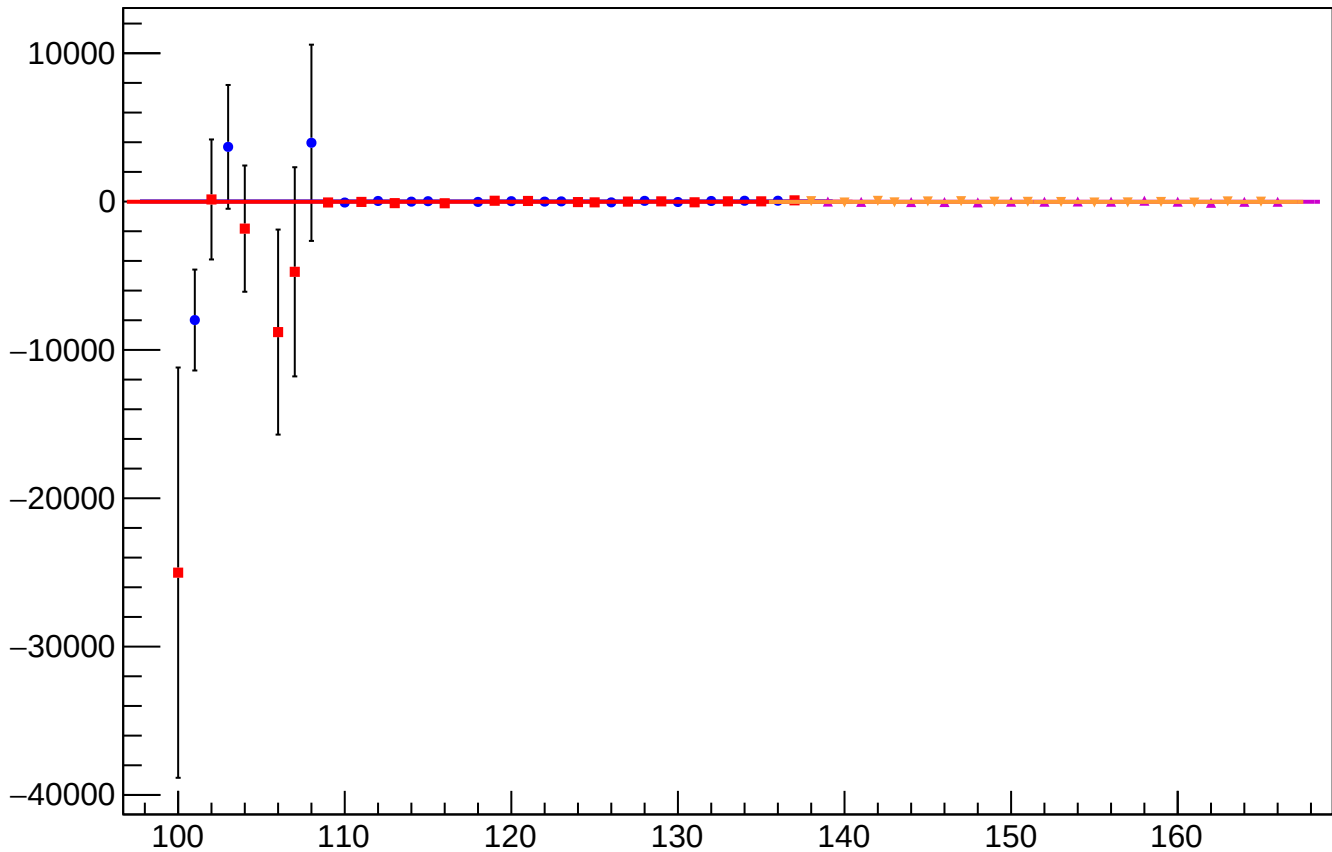
Left In: 183.888+/-0.042 χ^2/NDF : 1296104.2/13

+ sign 213.996+/-0.039 χ^2/NDF : 4724058.9/31

All: 194.644+/-0.026 χ^2/NDF : 10677759.2/64

- sign 180.180+/-0.034 χ^2/NDF : 5525722.0/32

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: -20.190+/-8.804 χ^2/NDF : 15.6/14

Right Out: -12.947+/-12.227 χ^2/NDF : 24.4/18

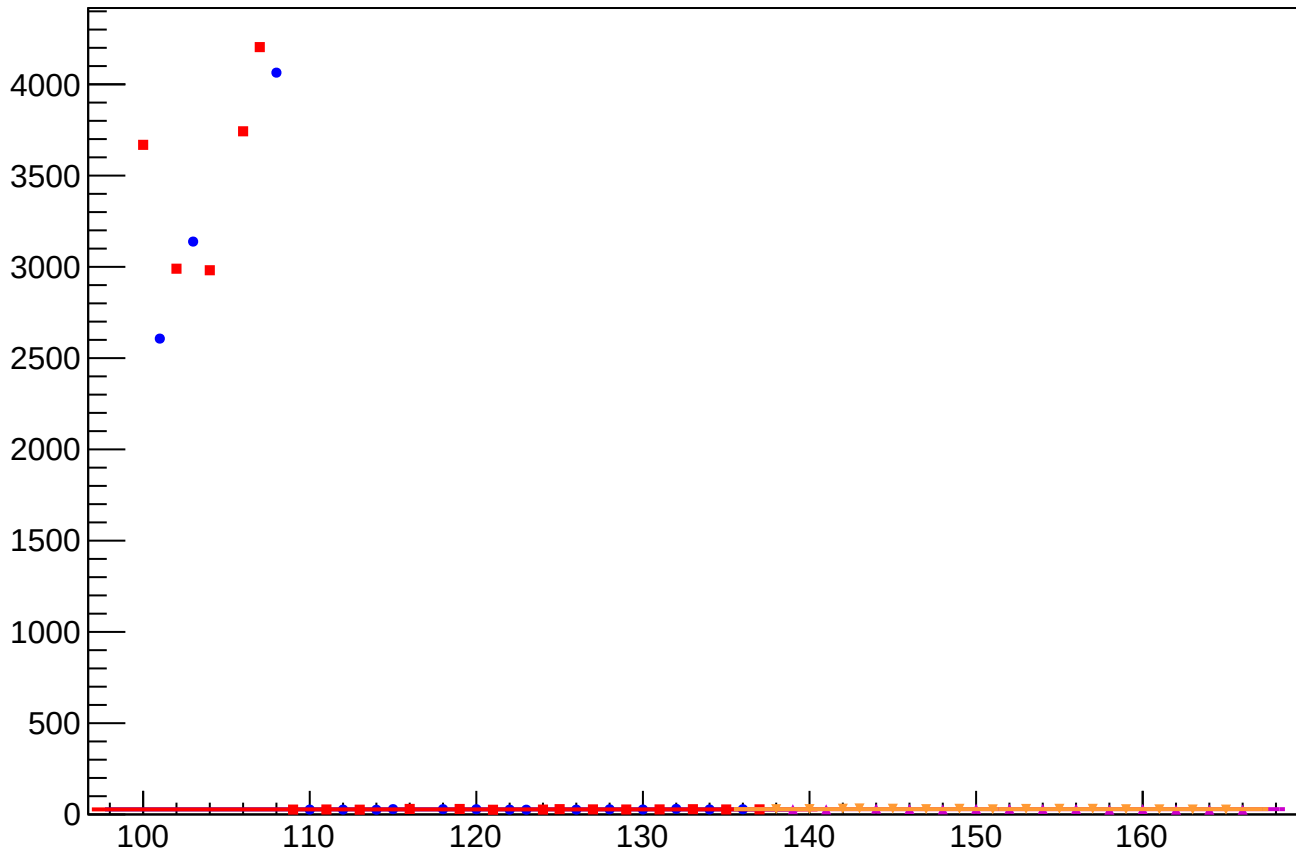
Left In: -13.089+/-8.838 χ^2/NDF : 13.8/13

+ sign -9.704+/-7.137 χ^2/NDF : 38.0/31

All: -11.366+/-5.056 χ^2/NDF : 76.3/64

- sign -13.041+/-7.163 χ^2/NDF : 38.2/32

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: 29.275 $\pm$ 0.006 χ^2 /NDF: 72268.0/14

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

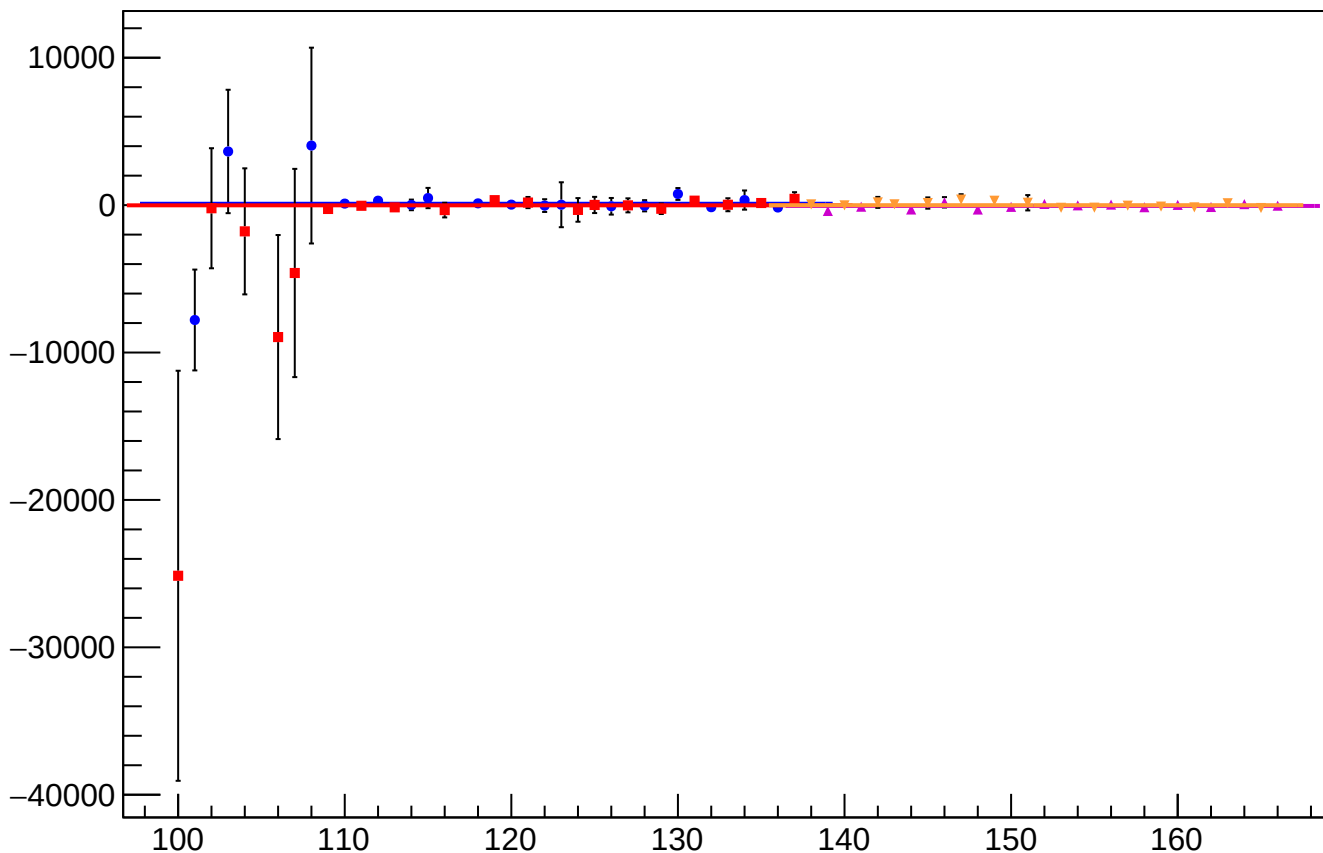
Left In: 29.002 $\pm$ 0.006 χ^2 /NDF: 106025.4/13

+ sign 28.782 $\pm$ 0.005 χ^2 /NDF: 3117461.8/31

All: 28.668 $\pm$ 0.004 χ^2 /NDF: 6716353.2/64

- sign 28.553 $\pm$ 0.005 χ^2 /NDF: 3597869.8/32

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: -5.189 $\pm$ 71.134 χ^2 /NDF: 5.3/14

Right Out: -12.772 $\pm$ 80.640 χ^2 /NDF: 12.7/18

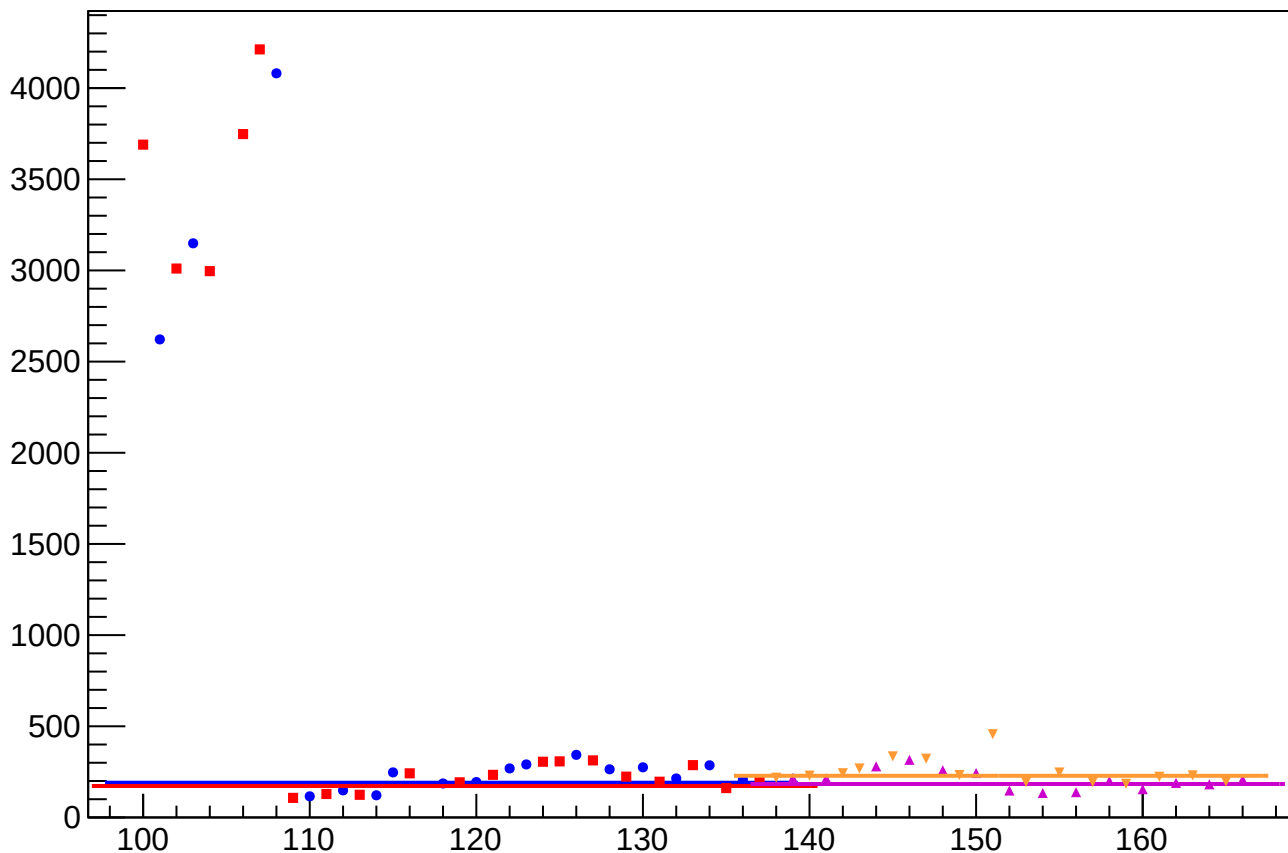
Left In: -55.594 $\pm$ 59.145 χ^2 /NDF: 5.0/13

+ sign 33.895 $\pm$ 55.160 χ^2 /NDF: 18.7/31

All: -8.742 $\pm$ 36.077 χ^2 /NDF: 37.6/64

- sign -40.616 $\pm$ 47.693 χ^2 /NDF: 17.8/32

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: 228.596+/-0.050 χ^2/NDF : 926976.0/14

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

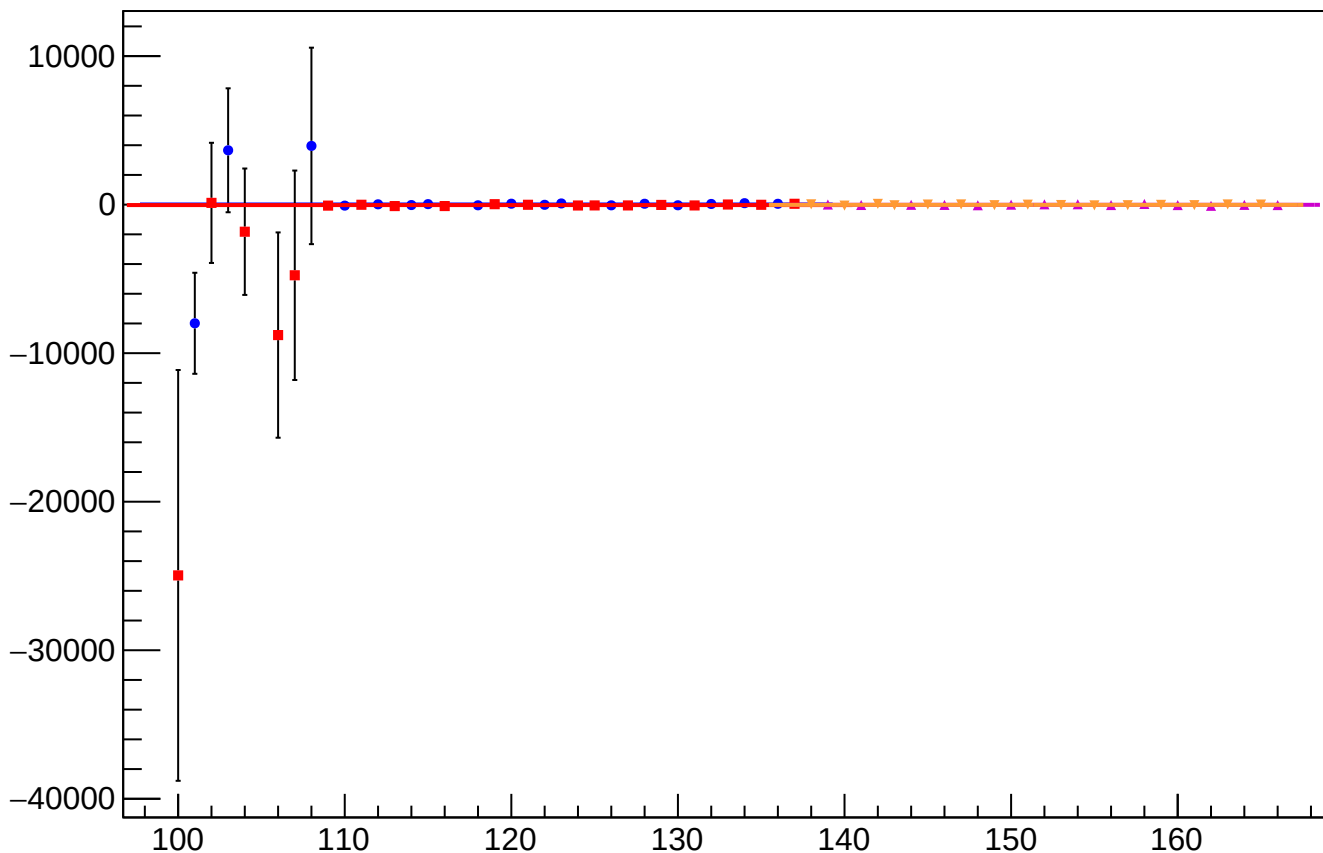
Left In: 183.527+/-0.042 χ^2/NDF : 1295974.8/13

+ sign 213.402+/-0.039 χ^2/NDF : 4739427.0/31

All: 194.120+/-0.026 χ^2/NDF : 10704739.1/64

- sign 179.705+/-0.034 χ^2/NDF : 5538228.5/32

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.600 $\pm$ 12.273 χ^2/NDF : 23.2/16

Left Out: -14.670 $\pm$ 8.879 χ^2/NDF : 10.3/14

Right Out: -29.627 $\pm$ 12.328 χ^2/NDF : 16.5/18

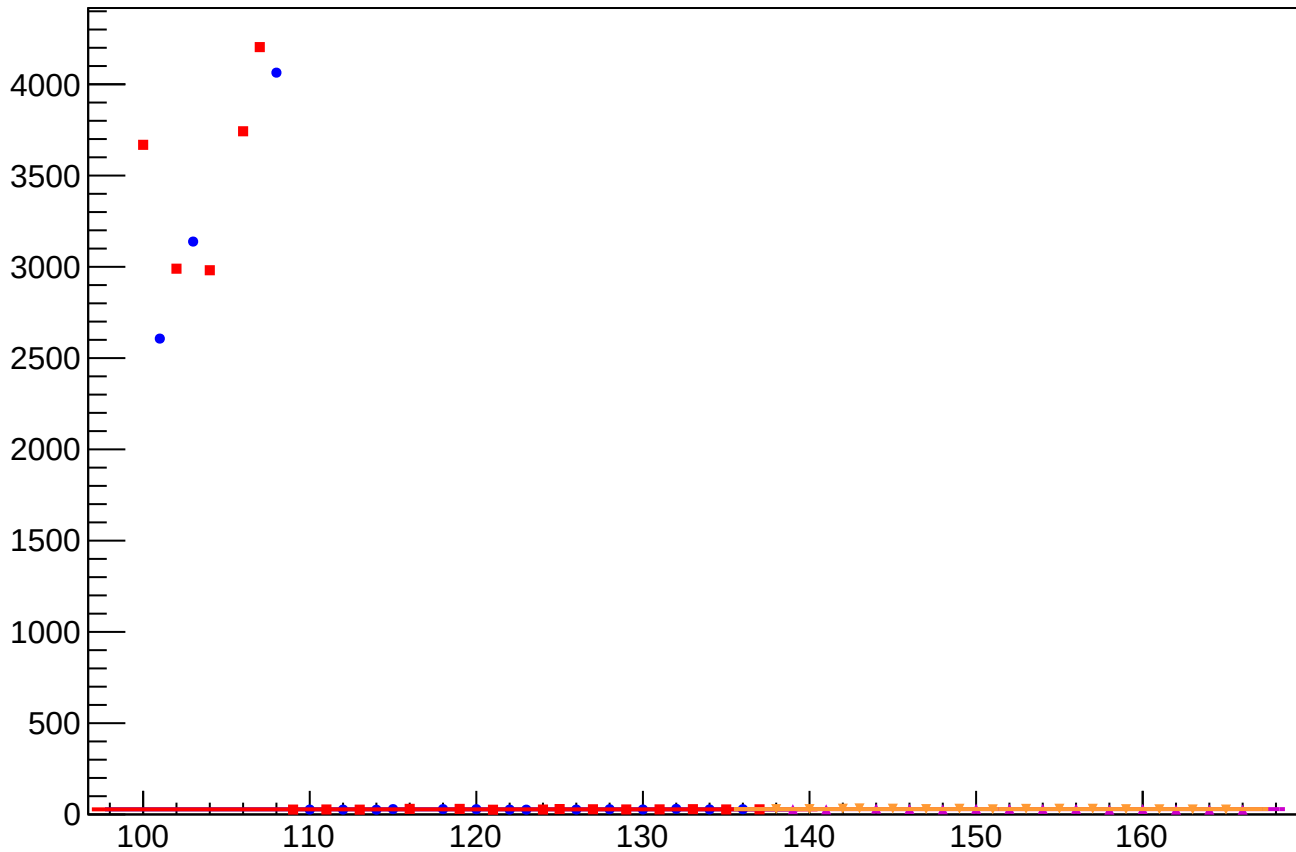
Left In: -12.380 $\pm$ 8.896 χ^2/NDF : 12.9/13

+ sign -6.331 $\pm$ 7.194 χ^2/NDF : 36.1/31

All: -12.292 $\pm$ 5.094 χ^2/NDF : 68.2/64

- sign -18.286 $\pm$ 7.214 χ^2/NDF : 30.7/32

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: 29.523 $\pm$ 0.006 χ^2 /NDF: 72390.3/14

Right Out: 27.917 $\pm$ 0.009 χ^2 /NDF: 3479610.6/18

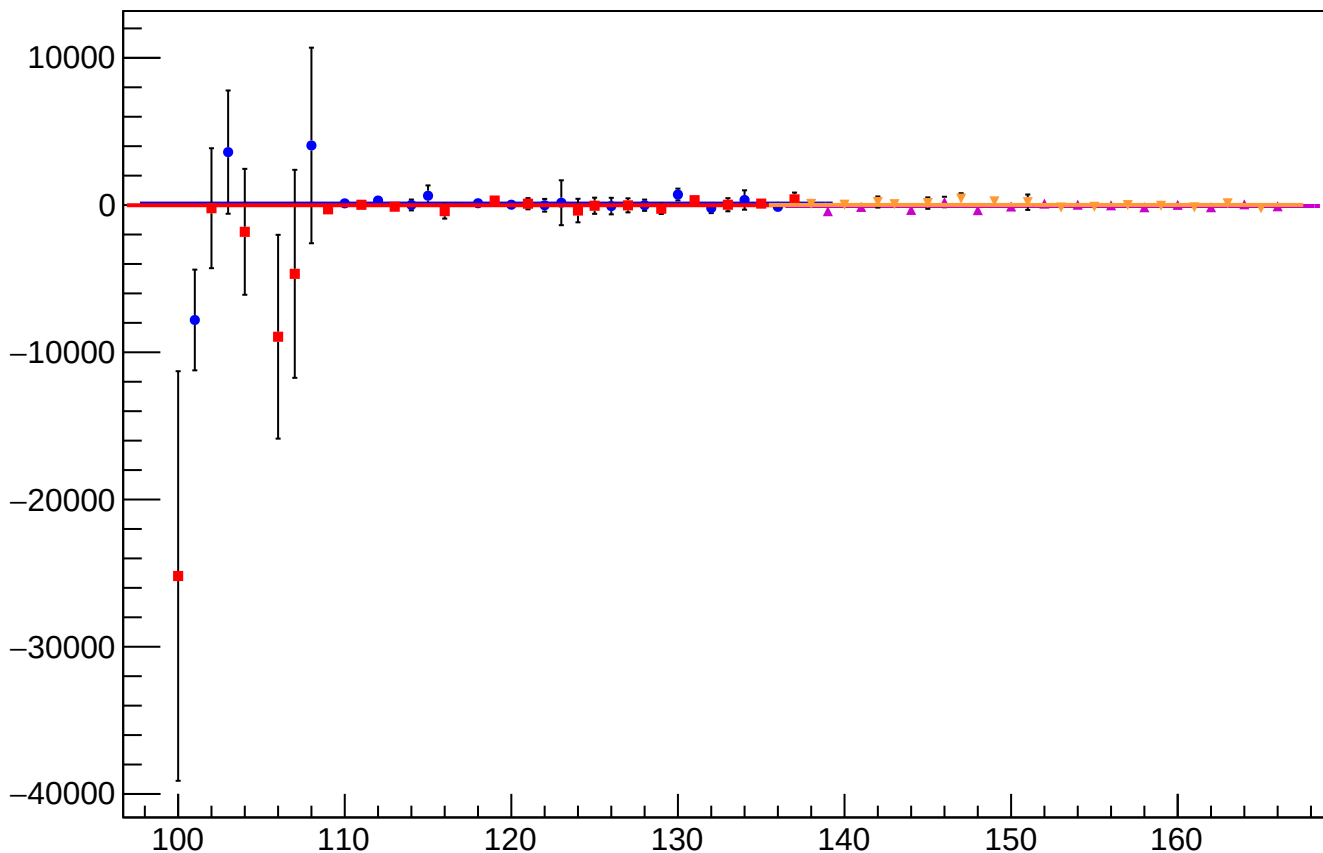
Left In: 29.198 $\pm$ 0.006 χ^2 /NDF: 105815.3/13

+ sign 29.008 $\pm$ 0.005 χ^2 /NDF: 3119012.8/31

All: 28.884 $\pm$ 0.004 χ^2 /NDF: 6719819.7/64

- sign 28.759 $\pm$ 0.005 χ^2 /NDF: 3599615.2/32

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: 10.886 $\pm$ 71.951 χ^2 /NDF: 5.0/14

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

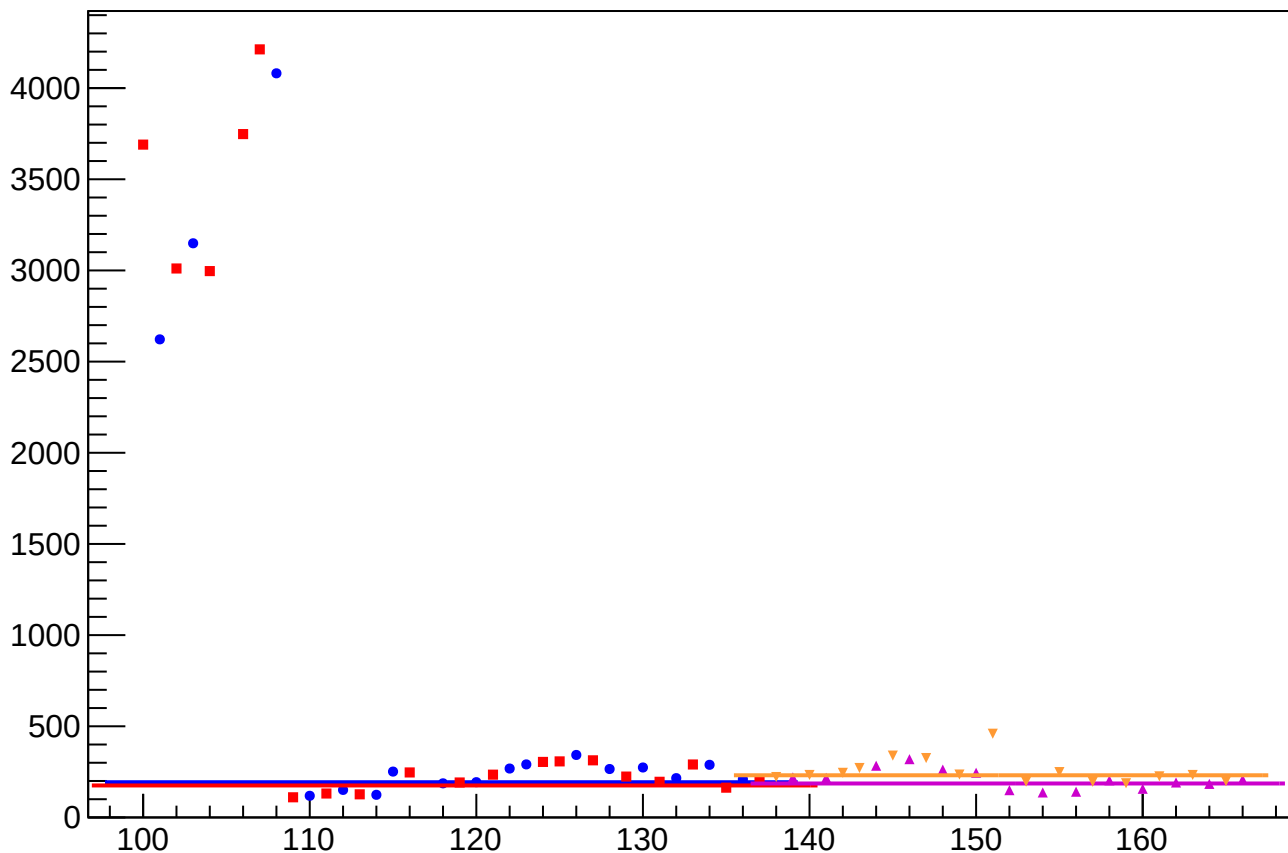
Left In: -63.171 $\pm$ 59.977 χ^2 /NDF: 5.7/13

+ sign 47.108 $\pm$ 55.801 χ^2 /NDF: 18.0/31

All: -5.493 $\pm$ 36.543 χ^2 /NDF: 37.8/64

- sign -44.989 $\pm$ 48.354 χ^2 /NDF: 18.2/32

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.190 $\pm$ 0.063 χ^2 /NDF: 3536123.5/16

Left Out: 231.334 $\pm$ 0.051 χ^2 /NDF: 918429.3/14

Right Out: 175.485 $\pm$ 0.058 χ^2 /NDF: 4165391.7/18

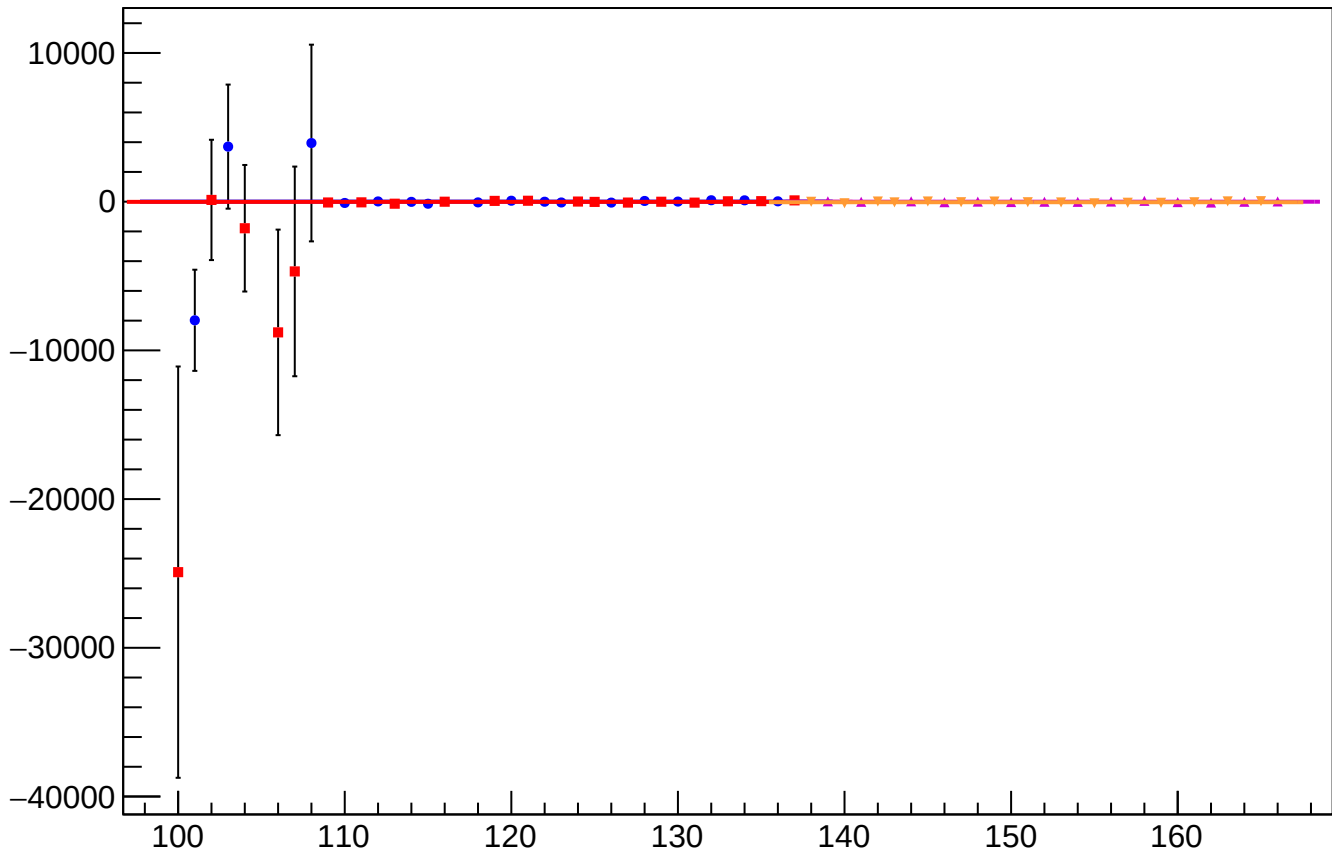
Left In: 186.314 $\pm$ 0.042 χ^2 /NDF: 1267419.4/13

+ sign 216.132 $\pm$ 0.039 χ^2 /NDF: 4678563.3/31

All: 196.937 $\pm$ 0.026 χ^2 /NDF: 10548558.6/64

- sign 182.524 $\pm$ 0.034 χ^2 /NDF: 5455632.9/32

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.651 $\pm$ 14.935 χ^2 /NDF: 20.4/16

Left Out: -35.698 $\pm$ 10.482 χ^2 /NDF:17.1/14

Right Out: -12.487 $\pm$ 14.947 χ^2 /NDF: 21.7/18

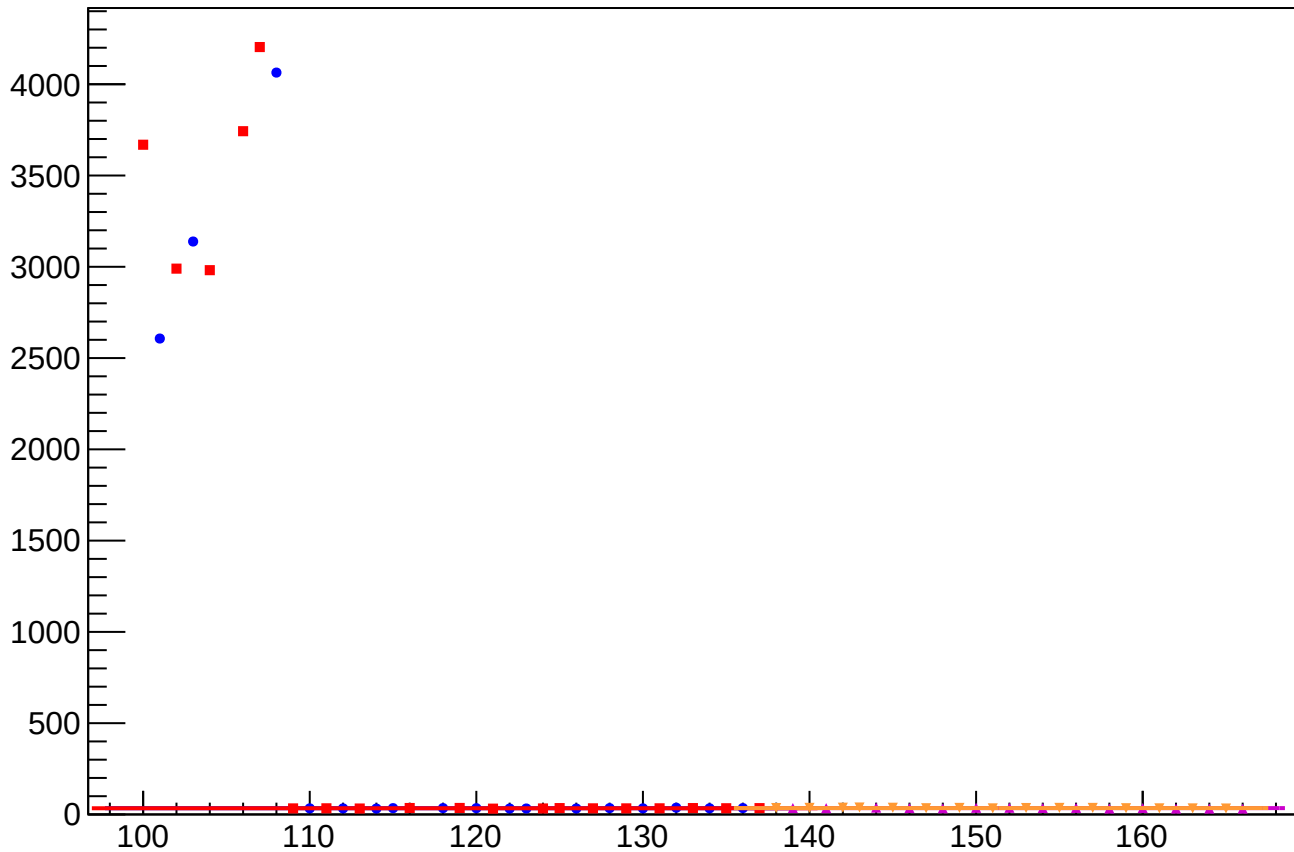
Left In: -2.320 $\pm$ 10.551 χ^2 /NDF:7.3/13

+ sign -22.382 $\pm$ 8.580 χ^2 /NDF: 42.4/31

All: -14.080 $\pm$ 6.081 χ^2 /NDF: 73.5/64

- sign -5.701 $\pm$ 8.620 χ^2 /NDF: 29.3/32

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.137 $\pm$ 0.011 χ^2 /NDF: 3006248.0/16

Left Out: 34.905 $\pm$ 0.007 χ^2 /NDF: 39218.7/14

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

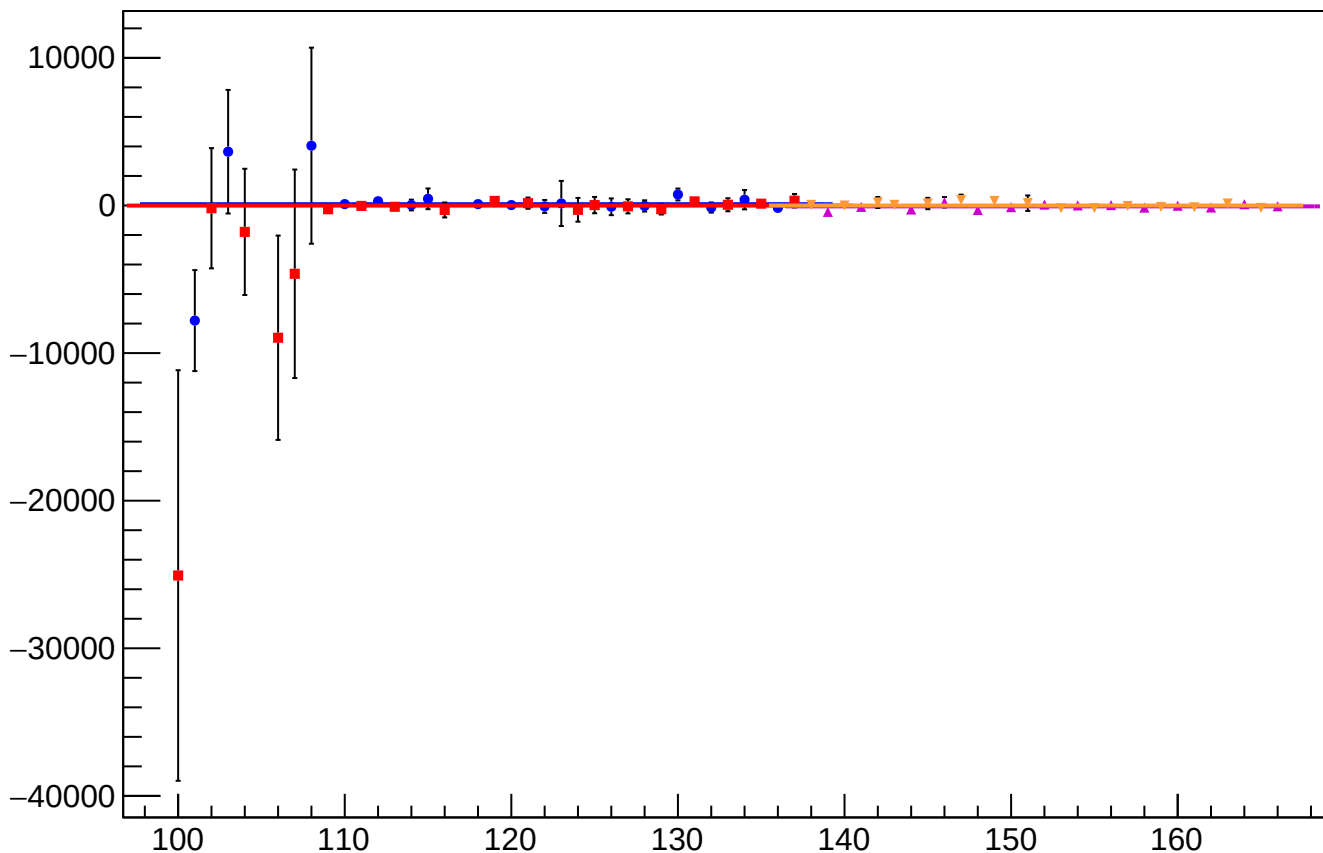
Left In: 34.697 $\pm$ 0.007 χ^2 /NDF: 51407.4/13

+ sign 34.652 $\pm$ 0.006 χ^2 /NDF: 3049010.8/31

All: 34.544 $\pm$ 0.004 χ^2 /NDF: 6556611.2/64

- sign 34.436 $\pm$ 0.006 χ^2 /NDF: 3506969.4/32

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.041 $\pm$ 87.947 χ^2 /NDF: 12.4/16

Left Out: -0.147 $\pm$ 71.781 χ^2 /NDF: 5.1/14

Right Out: -7.296 $\pm$ 81.208 χ^2 /NDF: 11.1/18

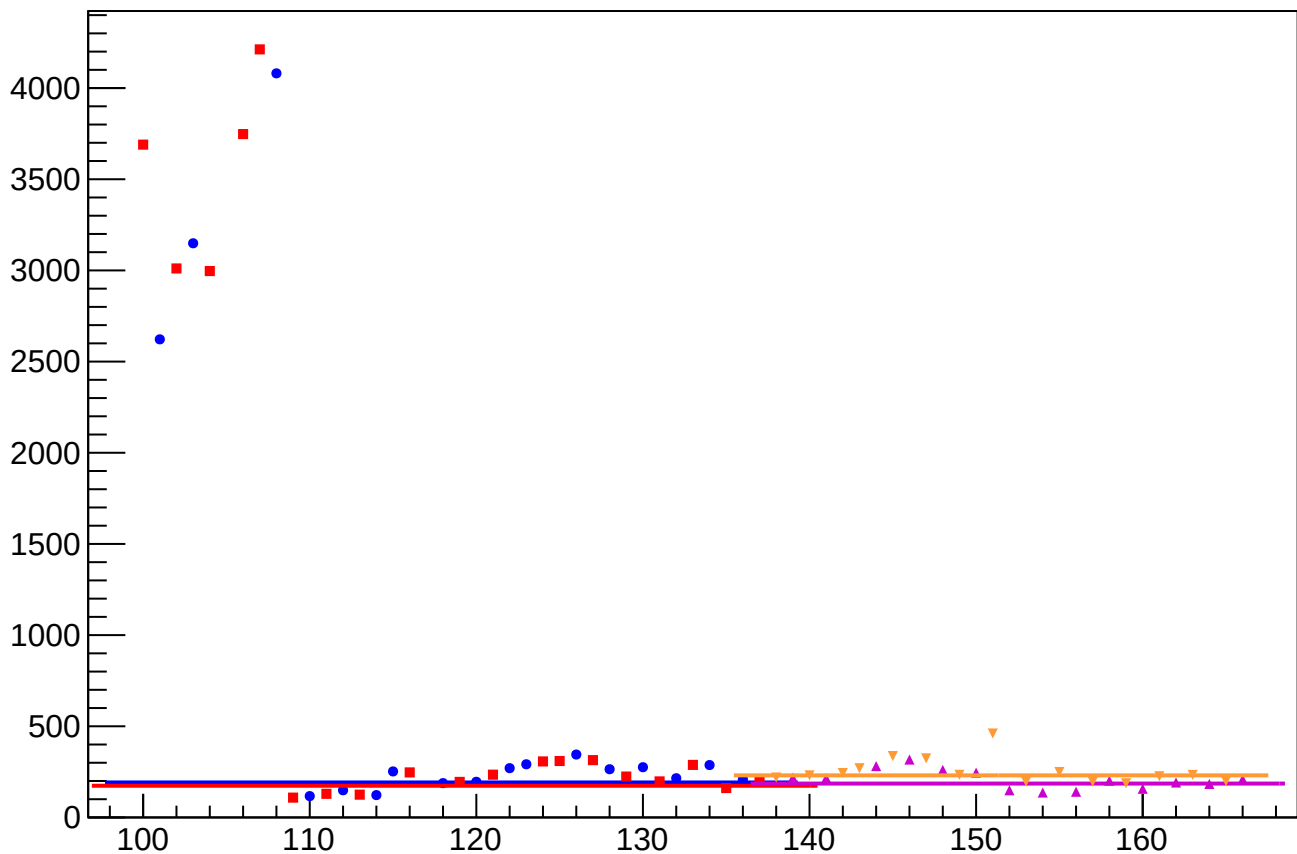
Left In: -60.152 $\pm$ 59.820 χ^2 /NDF: 5.2/13

+ sign 34.312 $\pm$ 55.610 χ^2 /NDF: 18.1/31

All: -9.041 $\pm$ 36.407 χ^2 /NDF: 35.7/64

- sign -41.560 $\pm$ 48.163 χ^2 /NDF: 16.6/32

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 191.880 $\pm$ 0.062 χ^2 /NDF: 3573060.2/16

Left Out: 230.806 $\pm$ 0.051 χ^2 /NDF: 910027.1/14

Right Out: 173.928 $\pm$ 0.057 χ^2 /NDF: 4211385.1/18

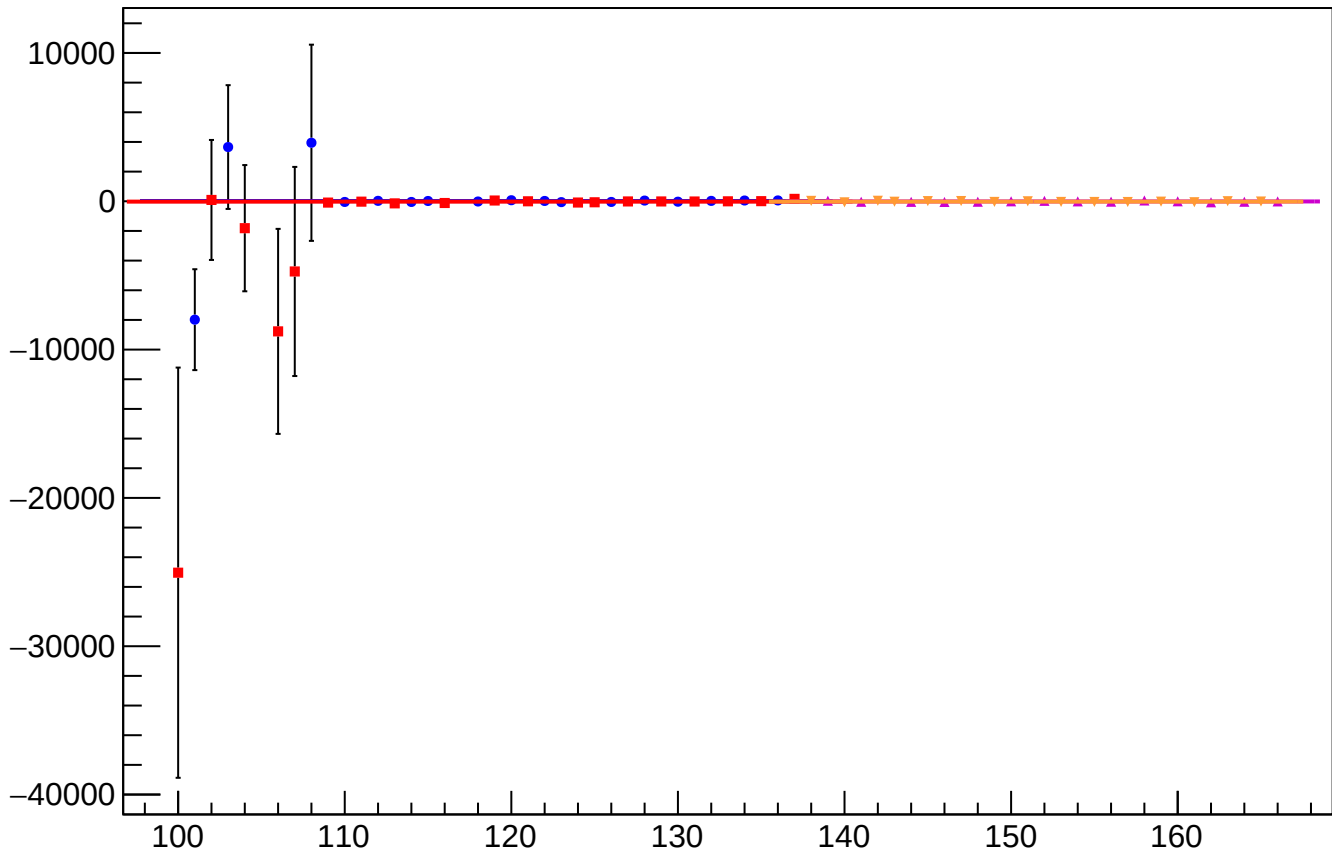
Left In: 185.839 $\pm$ 0.042 χ^2 /NDF: 1254797.2/13

+ sign 215.243 $\pm$ 0.039 χ^2 /NDF: 4718238.5/31

All: 196.048 $\pm$ 0.026 χ^2 /NDF: 10629349.9/64

- sign 181.649 $\pm$ 0.034 χ^2 /NDF: 5494075.2/32

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: -22.299+/-9.494 χ^2/NDF : 11.0/14

Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

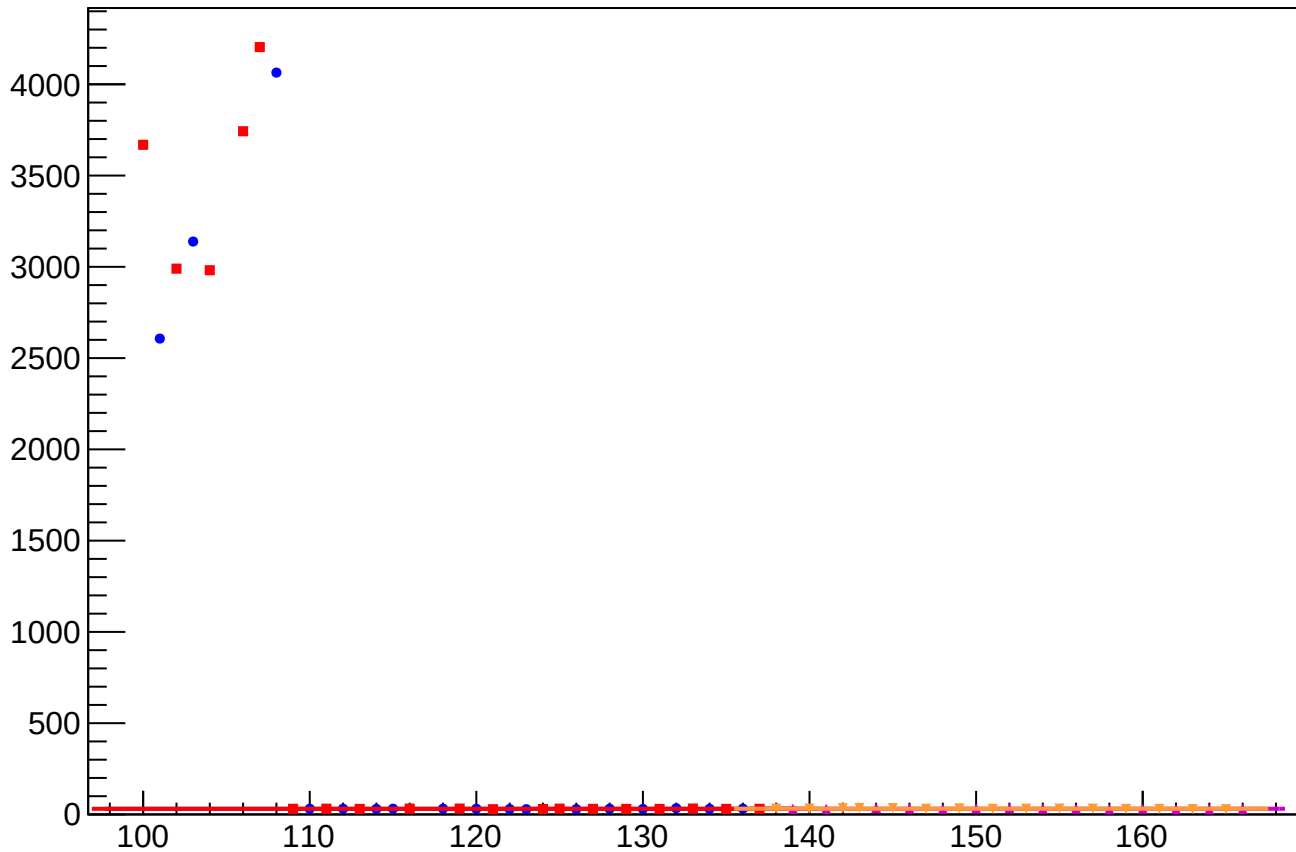
Left In: -11.527+/-9.568 χ^2/NDF : 12.7/13

+ sign -10.387+/-7.788 χ^2/NDF : 31.0/31

All: -12.892+/-5.524 χ^2/NDF : 71.9/64

- sign -15.428+/-7.836 χ^2/NDF : 40.7/32

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: 31.575 $\pm$ 0.007 χ^2 /NDF: 70202.1/14

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

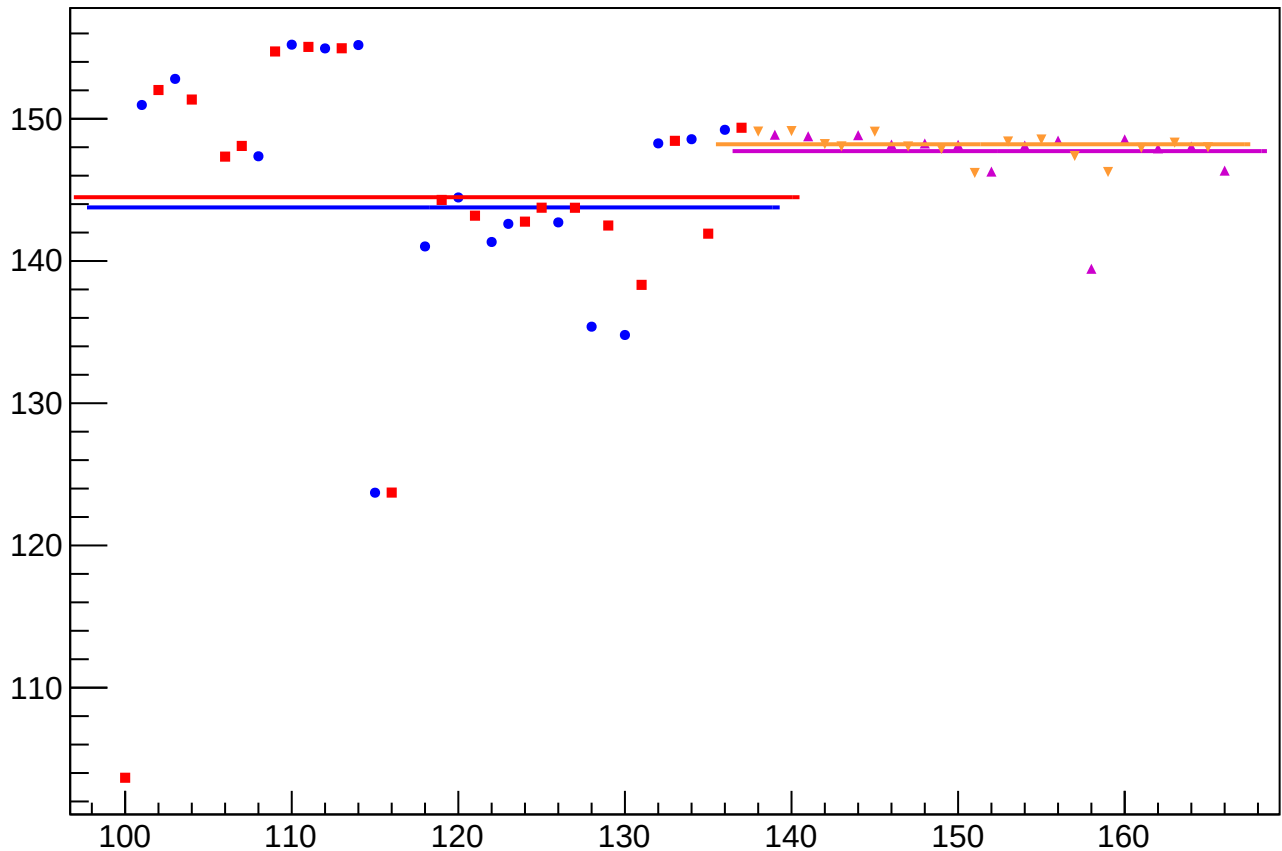
Left In: 31.415 $\pm$ 0.007 χ^2 /NDF: 79644.6/13

+ sign 31.429 $\pm$ 0.006 χ^2 /NDF: 3086089.9/31

All: 31.348 $\pm$ 0.004 χ^2 /NDF: 6626580.5/64

- sign 31.266 $\pm$ 0.006 χ^2 /NDF: 3540057.0/32

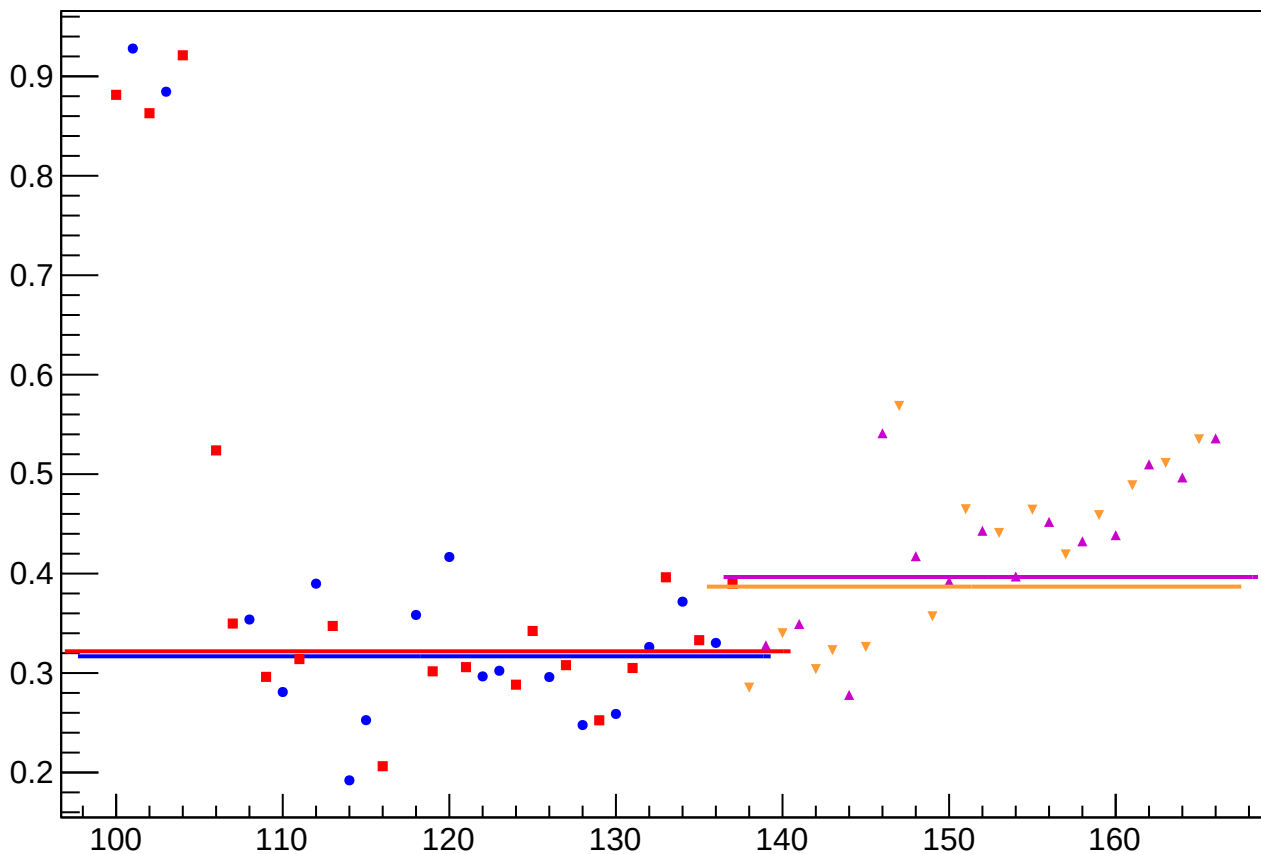
yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000 χ^2 /NDF: 3532173868.5/16
 Left Out: 148.208 $\pm$ 0.000 χ^2 /NDF: 50728601.2/14
 Right Out: 144.486 $\pm$ 0.000 χ^2 /NDF: 4183608291.3/18
 Left In: 147.726 $\pm$ 0.000 χ^2 /NDF: 324015859.4/13

+ sign 146.211 $\pm$ 0.000 χ^2 /NDF: 4186620105.6/31
 All: 146.209 $\pm$ 0.000 χ^2 /NDF: 9009722892.7
 - sign 146.206 $\pm$ 0.000 χ^2 /NDF: 4823101190.4/32

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.387 ± 0.000 χ^2/NDF : 929868.3/14

Right Out: 0.322 ± 0.000 χ^2/NDF : 1217762.5/18

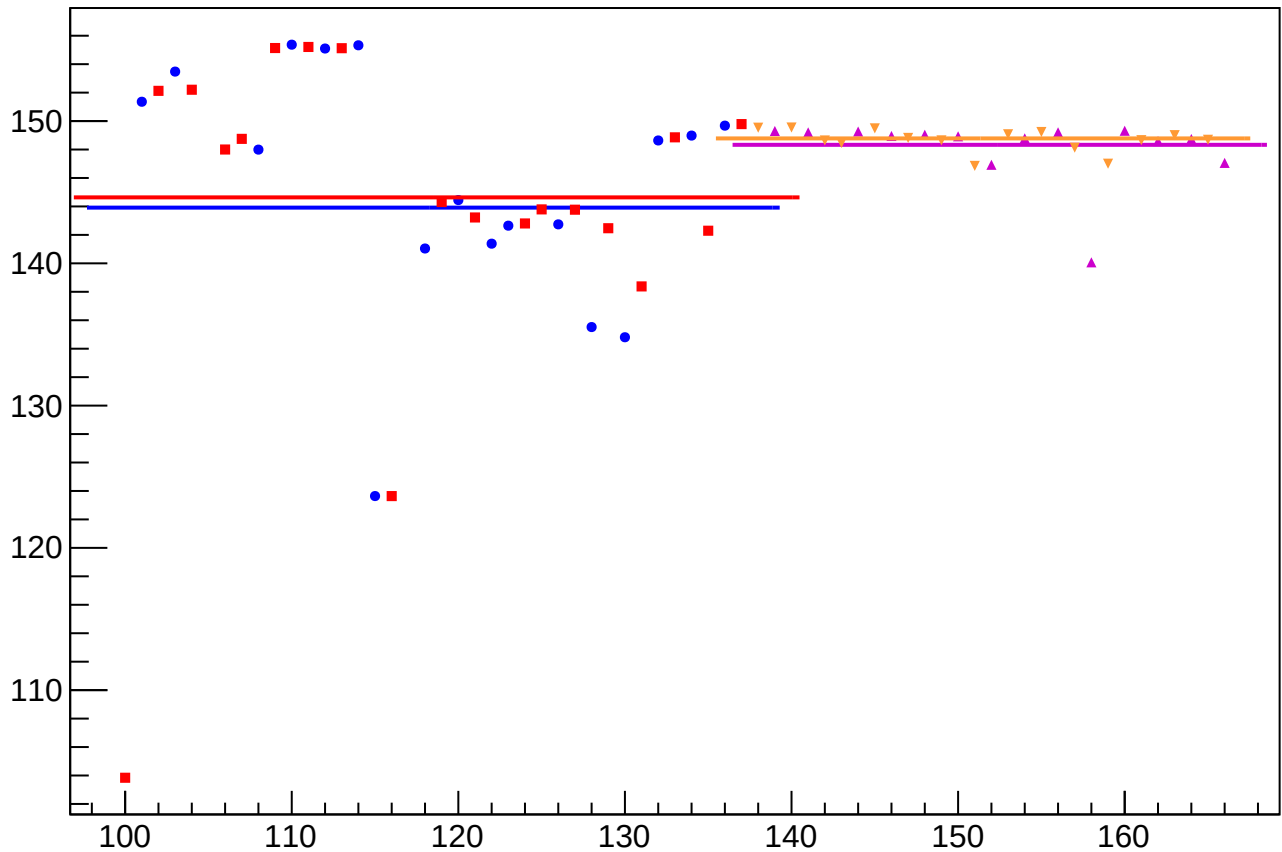
Left In: 0.397 ± 0.000 χ^2/NDF : 765715.4/13

+ sign 0.355 ± 0.000 χ^2/NDF : 2509243.5/31

All: 0.358 ± 0.000 χ^2/NDF : 4832677.5/64

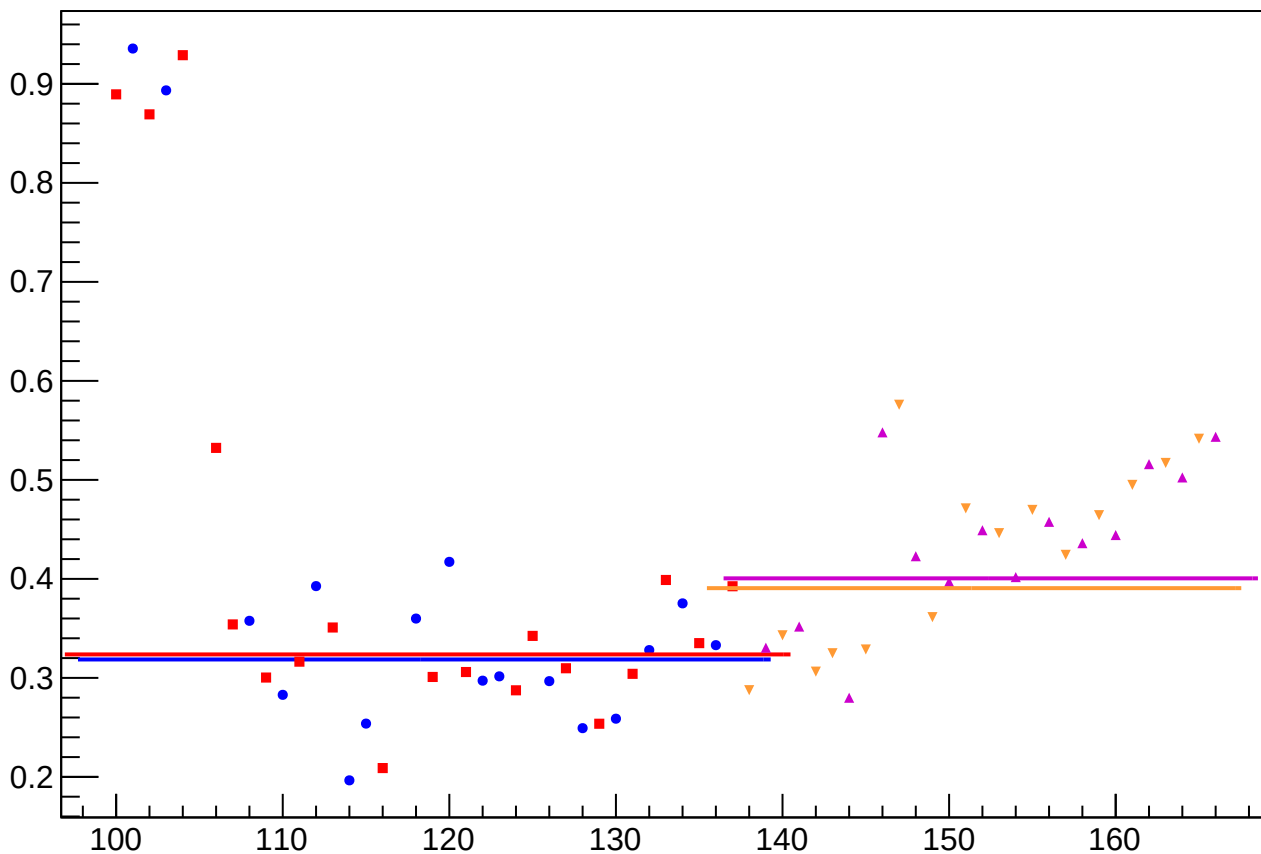
- sign 0.362 ± 0.000 χ^2/NDF : 2318805.6/32

yield_bcm_an_ds3_mean vs Slug



Right In: 143.917+/-0.000	χ^2/NDF : 3584662767.5/16	+ sign 146.583+/-0.000	χ^2/NDF : 4338290081.9/31
Left Out: 148.781+/-0.000	χ^2/NDF : 39868312.4/14	All: 146.586+/-0.000	χ^2/NDF : 9265332539.4
Right Out: 144.637+/-0.000	χ^2/NDF : 4210524953.9/18	- sign 146.590+/-0.000	χ^2/NDF : 4927039478.6/32
Left In: 148.331+/-0.000	χ^2/NDF : 312983815.8/13		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1280748.9/16

Left Out: 0.391 $\pm$ 0.000 χ^2 /NDF:947211.0/14

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1220898.3/18

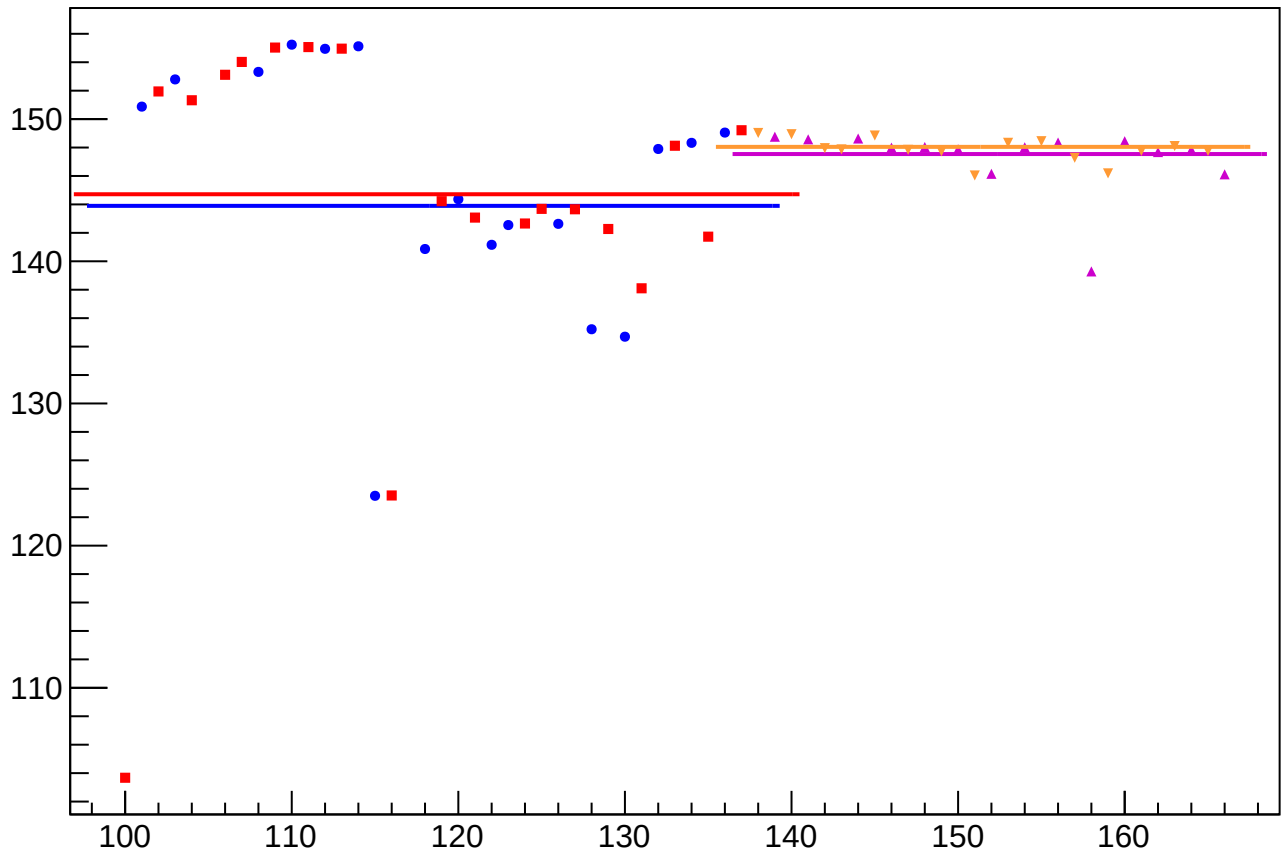
Left In: 0.401 $\pm$ 0.000 χ^2 /NDF:782101.5/13

+ sign 0.358 $\pm$ 0.000 χ^2 /NDF: 2541002.2/31

All: 0.361 $\pm$ 0.000 χ^2 /NDF: 4897854.5/64

- sign 0.364 $\pm$ 0.000 χ^2 /NDF: 2352163.4/32

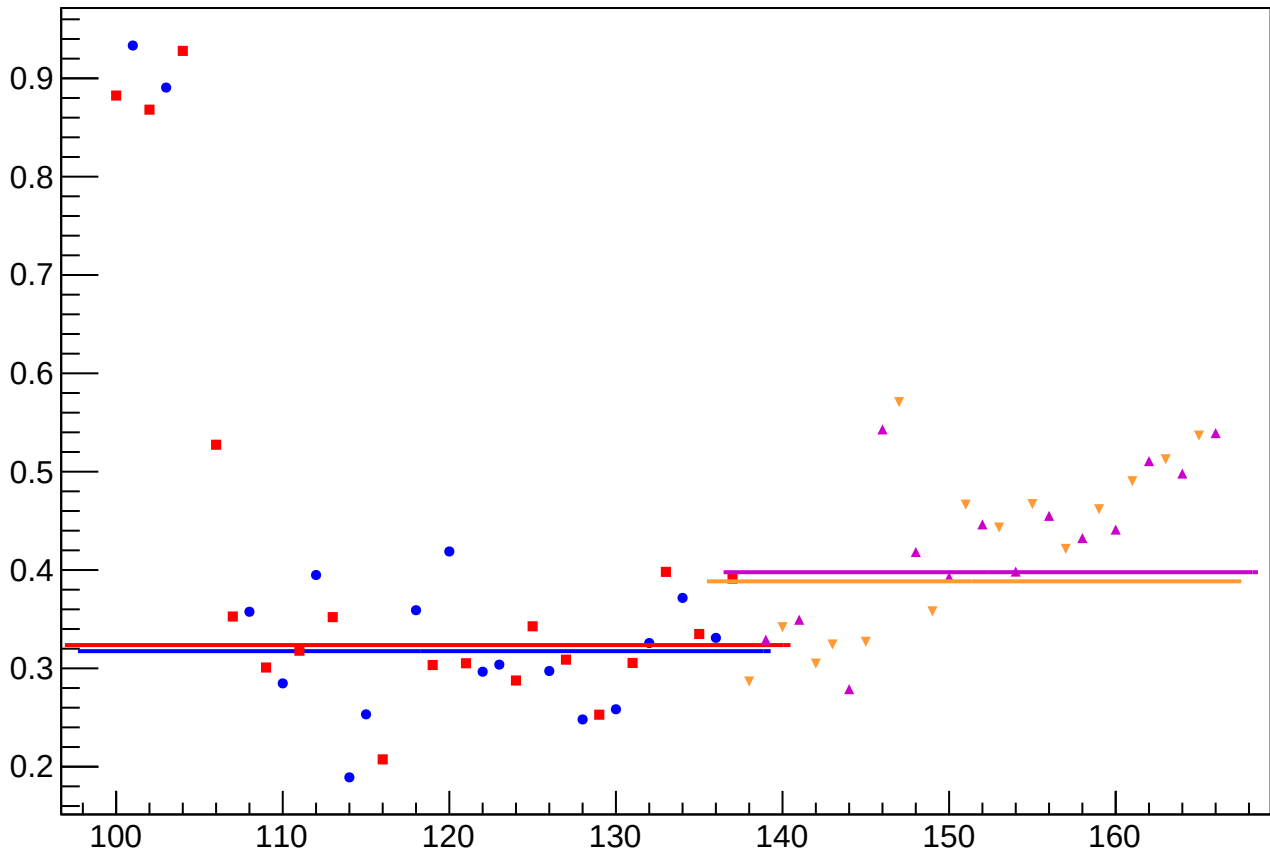
yield_bcm_an_us_mean vs Slug



Right In: 143.899 $\pm$ 0.000 χ^2 /NDF: 3749888331.0/16
 Left Out: 148.047 $\pm$ 0.000 χ^2 /NDF: 49108878.9/14
 Right Out: 144.715 $\pm$ 0.000 χ^2 /NDF: 4474458988.7/18
 Left In: 147.543 $\pm$ 0.000 χ^2 /NDF: 322863084.8/13

+ sign 146.179 $\pm$ 0.000 χ^2 /NDF: 4322491488.4/31
 All: 146.199 $\pm$ 0.000 χ^2 /NDF: 9358035448.5
 - sign 146.220 $\pm$ 0.000 χ^2 /NDF: 5035443258.8/32

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.388 ± 0.000 χ^2/NDF : 931201.7/14

Right Out: 0.324 ± 0.000 χ^2/NDF : 1221676.7/18

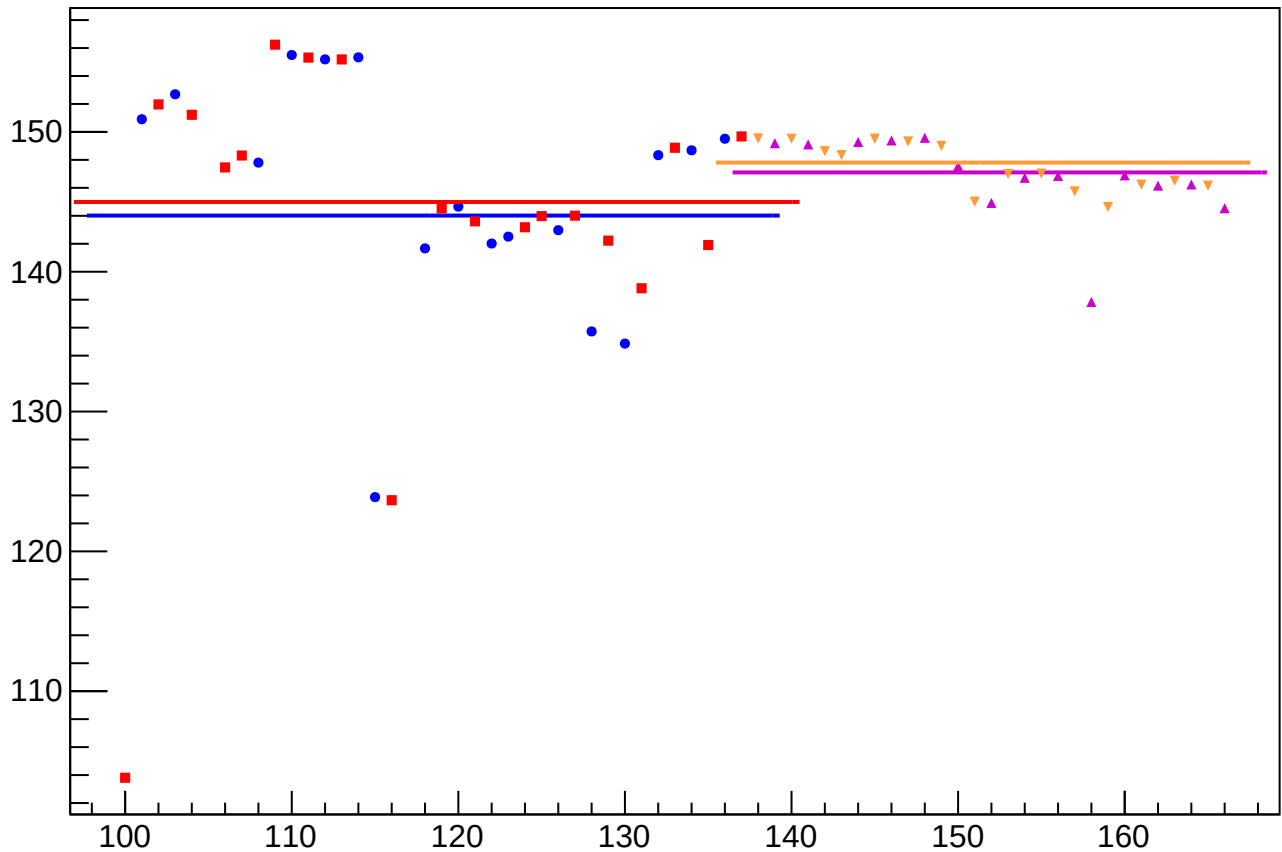
Left In: 0.398 ± 0.000 χ^2/NDF : 770263.0/13

+ sign 0.357 ± 0.000 χ^2/NDF : 2530956.4/31

All: 0.360 ± 0.000 χ^2/NDF : 4855264.6/64

- sign 0.363 ± 0.000 χ^2/NDF : 2319049.0/32

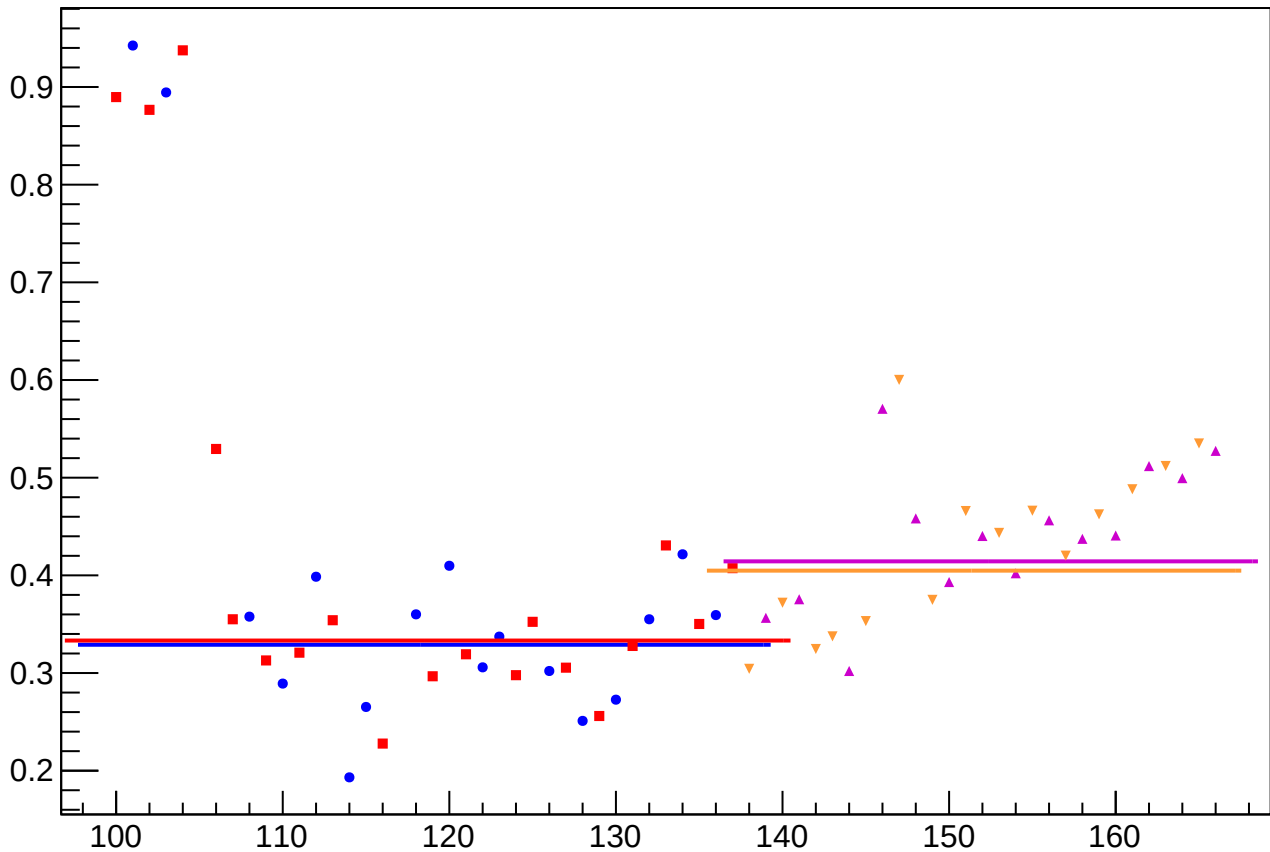
yield_bcm_dg_us_mean vs Slug



Right In: 144.018 ± 0.000 χ^2/NDF : 3238525527.6/16
 Left Out: 147.810 ± 0.000 χ^2/NDF : 176595625.1/14
 Right Out: 144.990 ± 0.000 χ^2/NDF : 3853449012.9/18
 Left In: 147.104 ± 0.000 χ^2/NDF : 497635333.3/13

+ sign 146.099 ± 0.000 χ^2/NDF : 3820728417.7/31
 All: 146.103 ± 0.000 χ^2/NDF : 8296353794.3
 - sign 146.108 ± 0.000 χ^2/NDF : 4475621470.3/32

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.405 ± 0.000 χ^2/NDF : 728311.9/14

Right Out: 0.333 ± 0.000 χ^2/NDF : 1182496.7/18

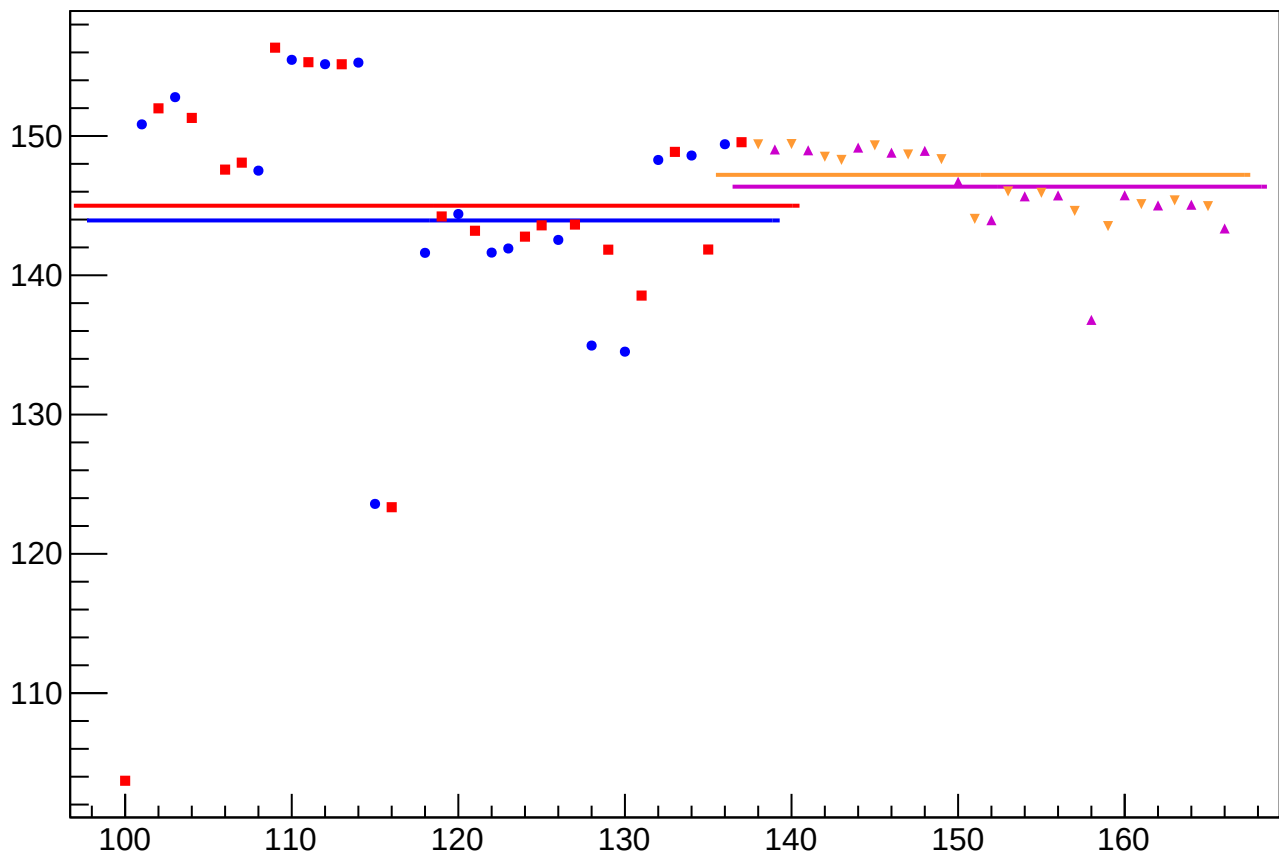
Left In: 0.414 ± 0.000 χ^2/NDF : 582512.4/13

+ sign 0.371 ± 0.000 χ^2/NDF : 2329196.8/31

All: 0.373 ± 0.000 χ^2/NDF : 4463969.7/64

- sign 0.376 ± 0.000 χ^2/NDF : 2131342.2/32

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16

Left Out: 147.211 $\pm$ 0.000 χ^2 /NDF: 270091618.4/14

Right Out: 144.995 $\pm$ 0.000 χ^2 /NDF: 3934069043.2/18

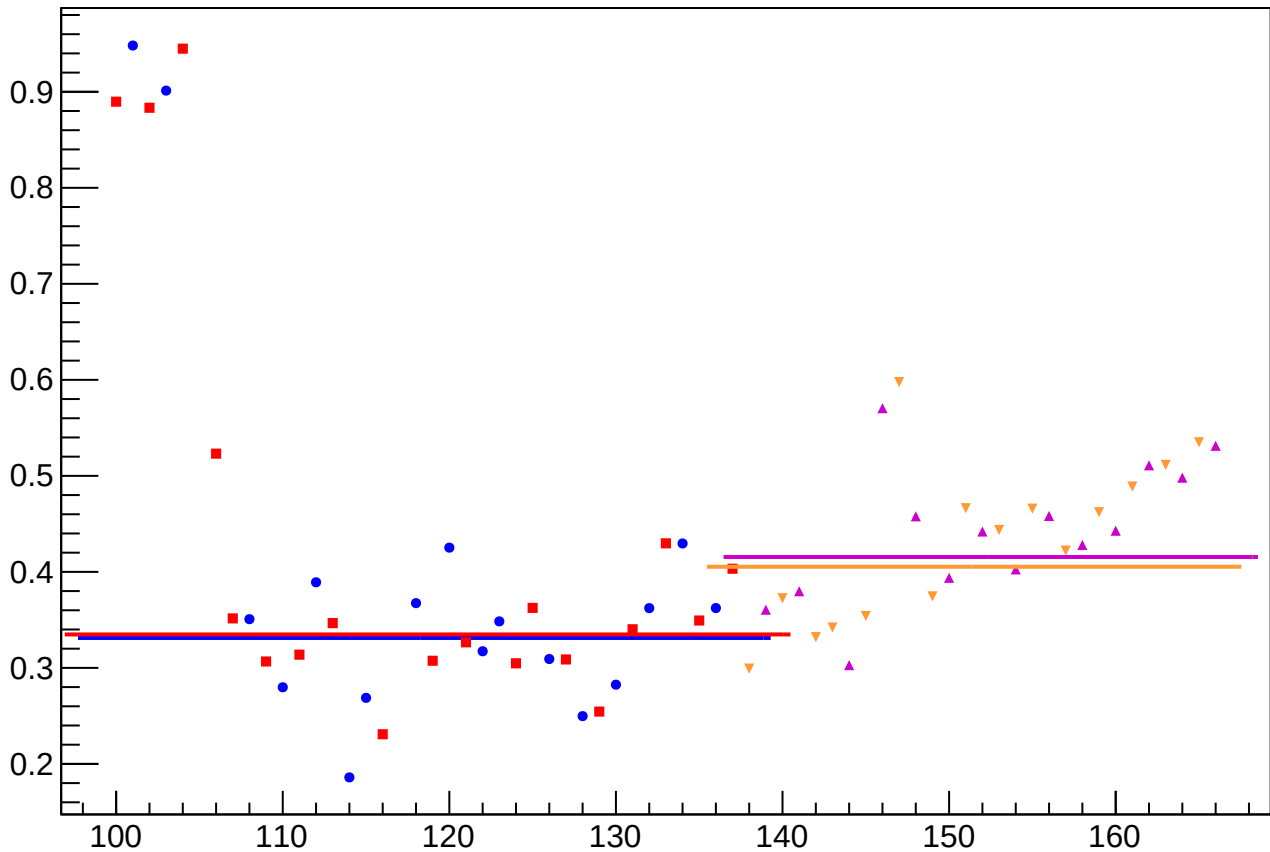
Left In: 146.362 $\pm$ 0.000 χ^2 /NDF: 611508388.9/13

+ sign 145.745 $\pm$ 0.000 χ^2 /NDF: 3948280987.2/31

All: 145.732 $\pm$ 0.000 χ^2 /NDF: 8545508061.1

- sign 145.719 $\pm$ 0.000 χ^2 /NDF: 4597189558.5/32

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 ± 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.405 ± 0.000 χ^2/NDF : 726340.3/14

Right Out: 0.335 ± 0.000 χ^2/NDF : 1172239.8/18

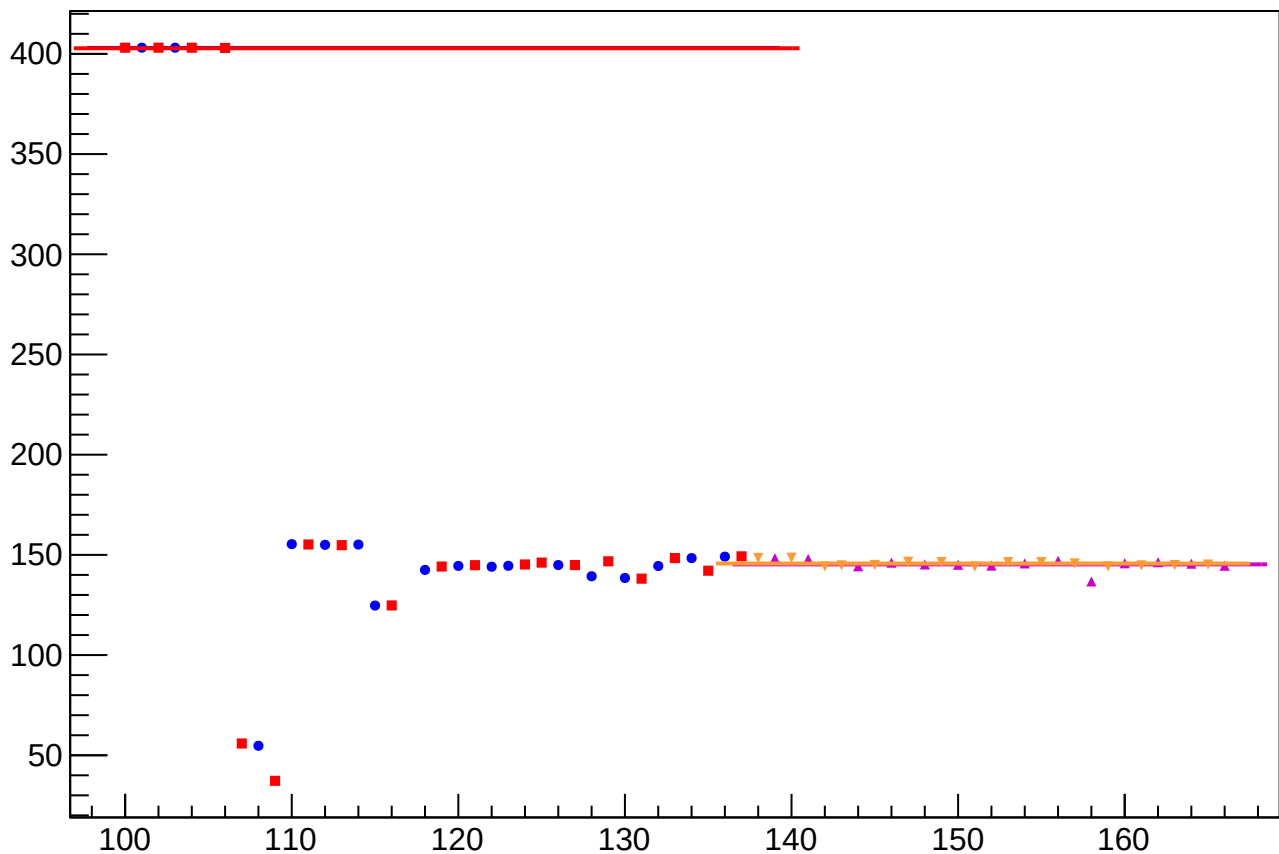
Left In: 0.415 ± 0.000 χ^2/NDF : 566817.3/13

+ sign 0.372 ± 0.000 χ^2/NDF : 2328969.5/31

All: 0.375 ± 0.000 χ^2/NDF : 4430599.3/64

- sign 0.378 ± 0.000 χ^2/NDF : 2098339.8/32

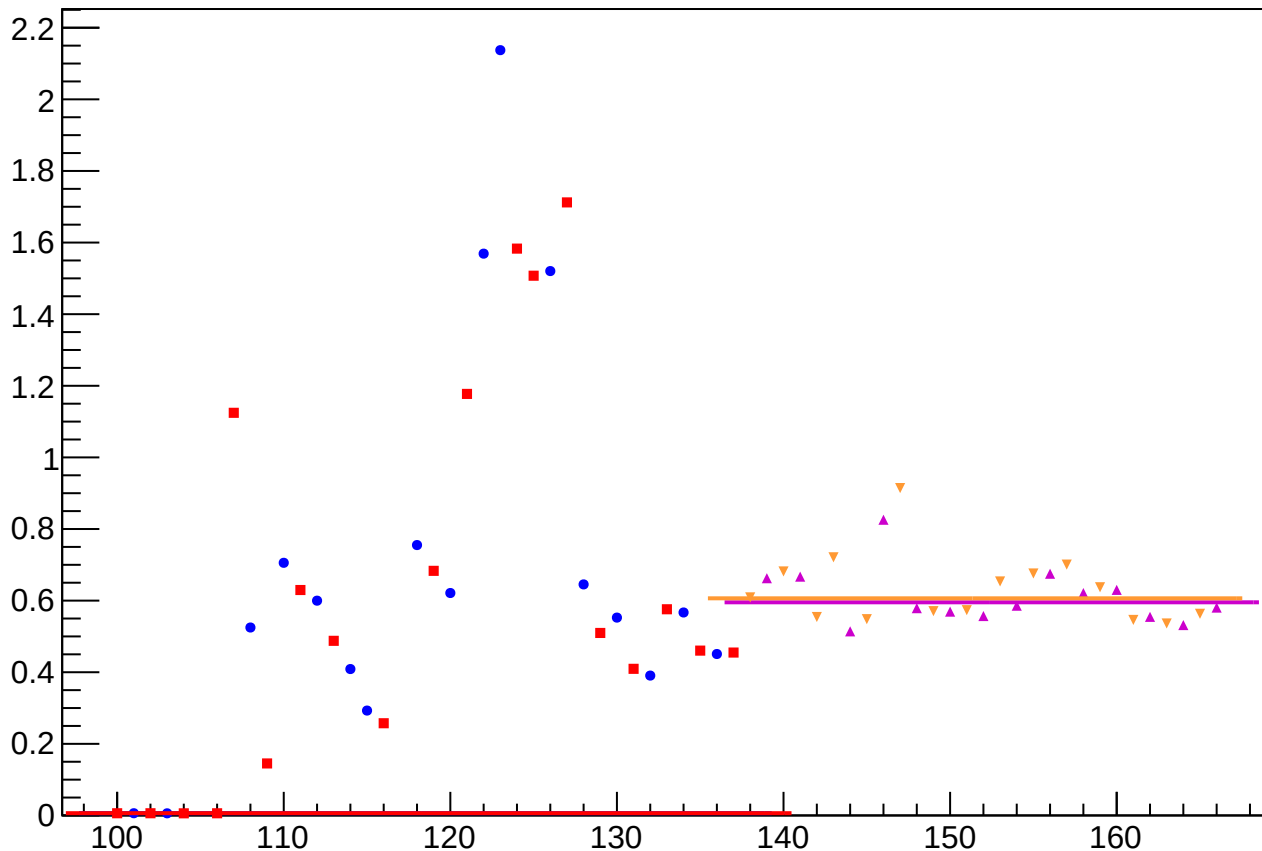
yield_cav4bQ_mean vs Slug



Right In: 402.957 $\pm$ 0.000 χ^2 /NDF: 1096710296821.6/16
 Left Out: 145.682 $\pm$ 0.000 χ^2 /NDF: 40535467.6/14
 Right Out: 402.799 $\pm$ 0.000 χ^2 /NDF: 3103890772575.4/18
 Left In: 145.259 $\pm$ 0.000 χ^2 /NDF: 129891734.7/13

+ sign 402.783 $\pm$ 0.000 χ^2 /NDF: 2494288157699.1
 All: 402.707 $\pm$ 0.000 χ^2 /NDF: 703522541620
 - sign 402.640 $\pm$ 0.000 χ^2 /NDF: 4540601134695.6

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.606+/-0.000 χ^2/NDF : 255212.4/14

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

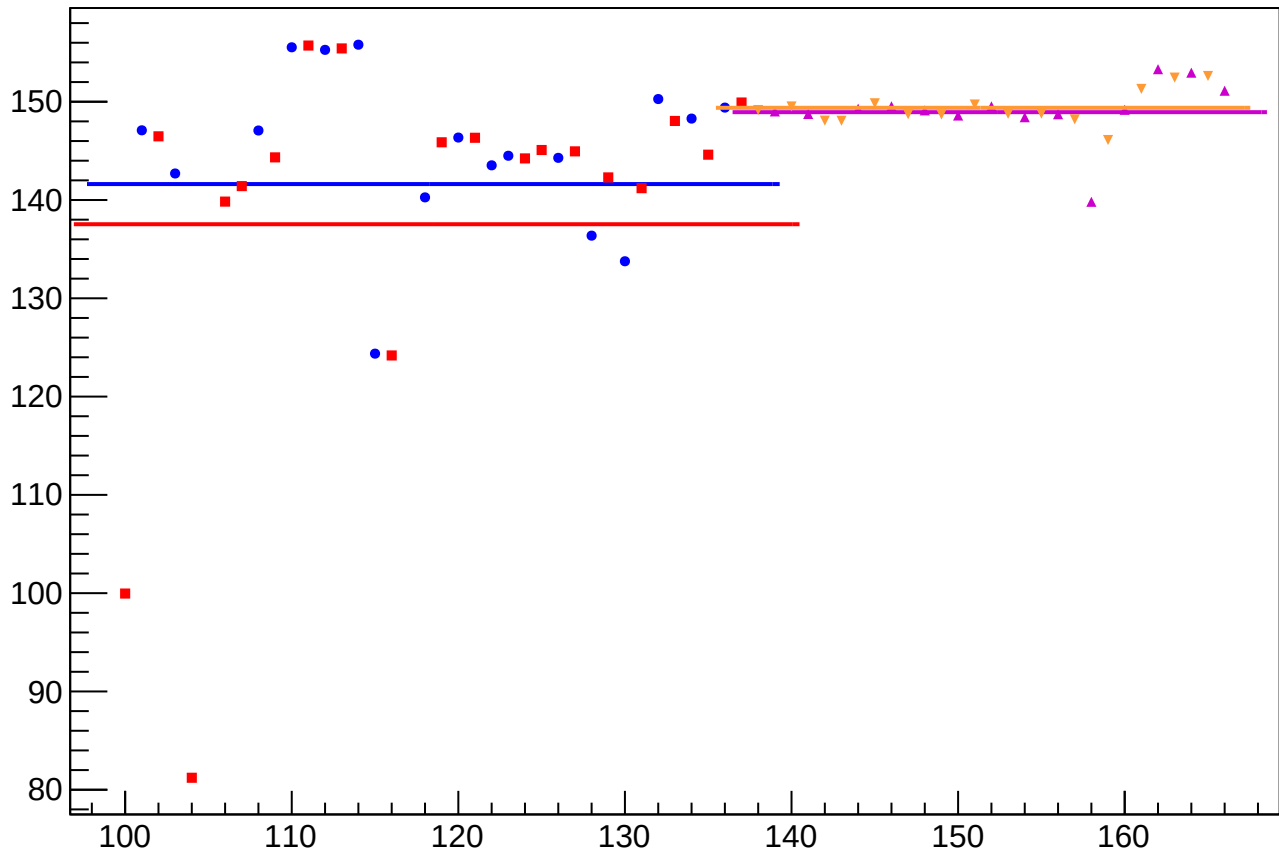
Left In: 0.595+/-0.000 χ^2/NDF : 188258.5/13

+ sign 0.007+/-0.000 χ^2/NDF : 24622852.9/31

All: 0.007+/-0.000 χ^2/NDF : 49050167.0/64

- sign 0.007+/-0.000 χ^2/NDF : 24427209.2/32

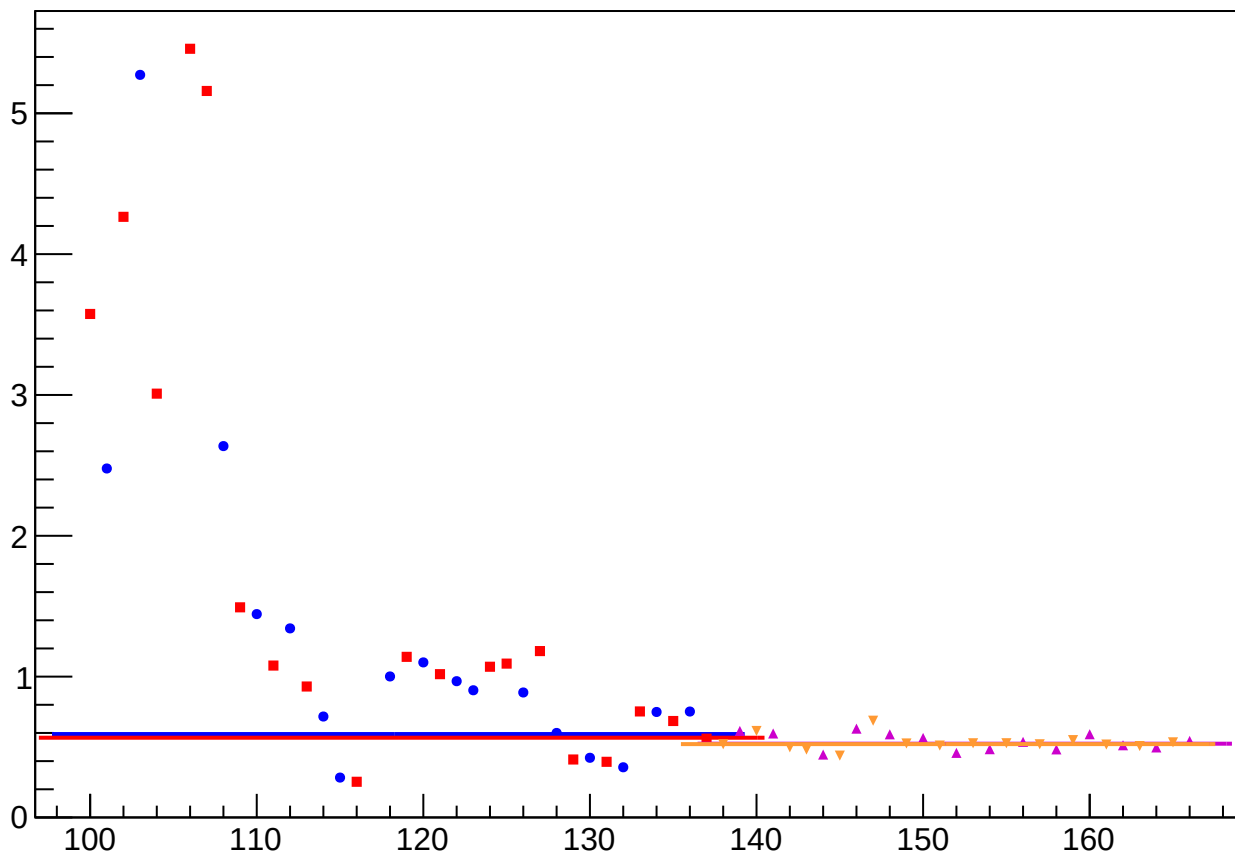
yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000 χ^2 /NDF: 982037737.7/16
 Left Out: 149.383 $\pm$ 0.000 χ^2 /NDF: 102598823.6/14
 Right Out: 137.536 $\pm$ 0.000 χ^2 /NDF: 1315768553.6/18
 Left In: 148.938 $\pm$ 0.000 χ^2 /NDF: 363057951.2/13

+ sign 147.677 $\pm$ 0.000 χ^2 /NDF: 1560181328.2/31
 All: 146.982 $\pm$ 0.000 χ^2 /NDF: 4342500705.7
 - sign 146.280 $\pm$ 0.000 χ^2 /NDF: 2737630359.5/32

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.521 $\pm$ 0.000 χ^2 /NDF:169961.0/14

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4682140.9/18

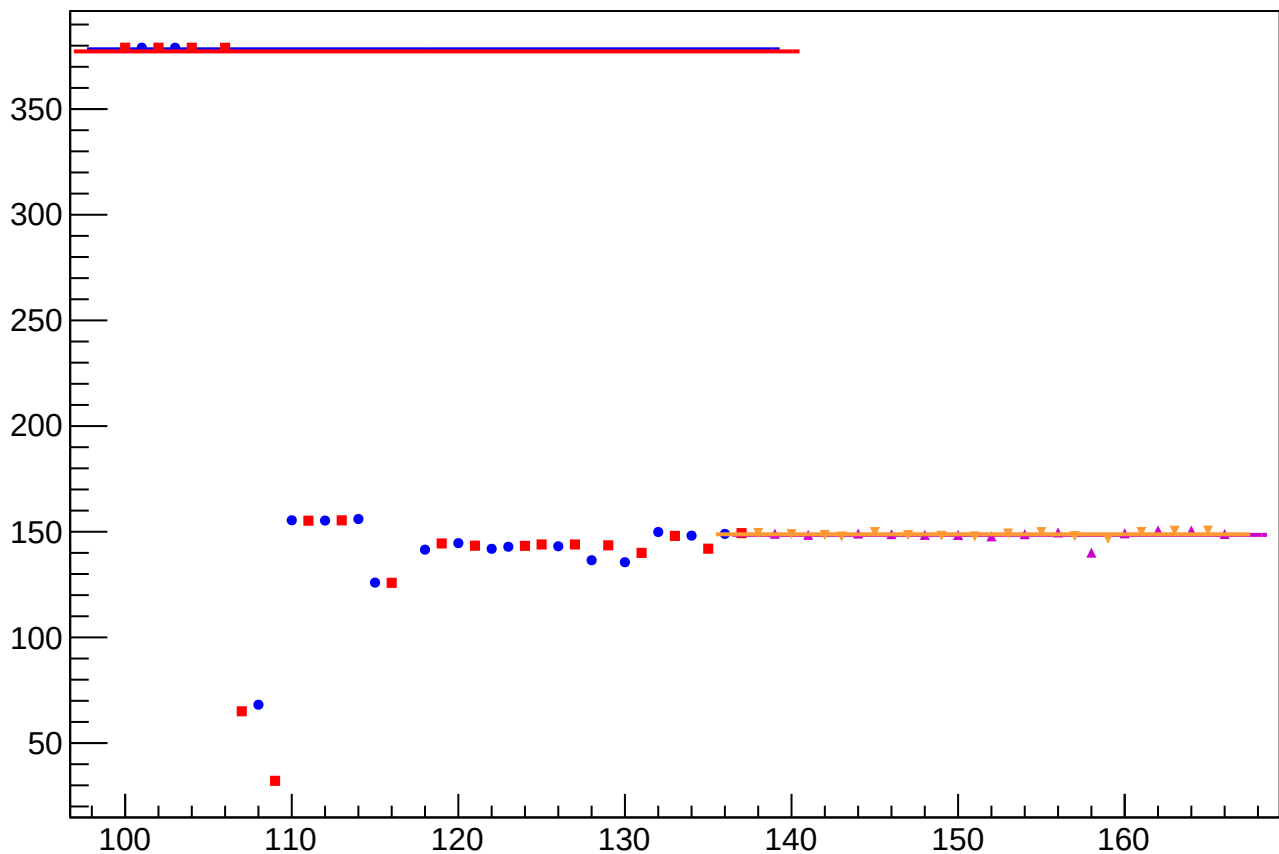
Left In: 0.524 $\pm$ 0.000 χ^2 /NDF:226716.6/13

+ sign 0.537 $\pm$ 0.000 χ^2 /NDF: 3772115.6/31

All: 0.535 $\pm$ 0.000 χ^2 /NDF: 8710751.9/64

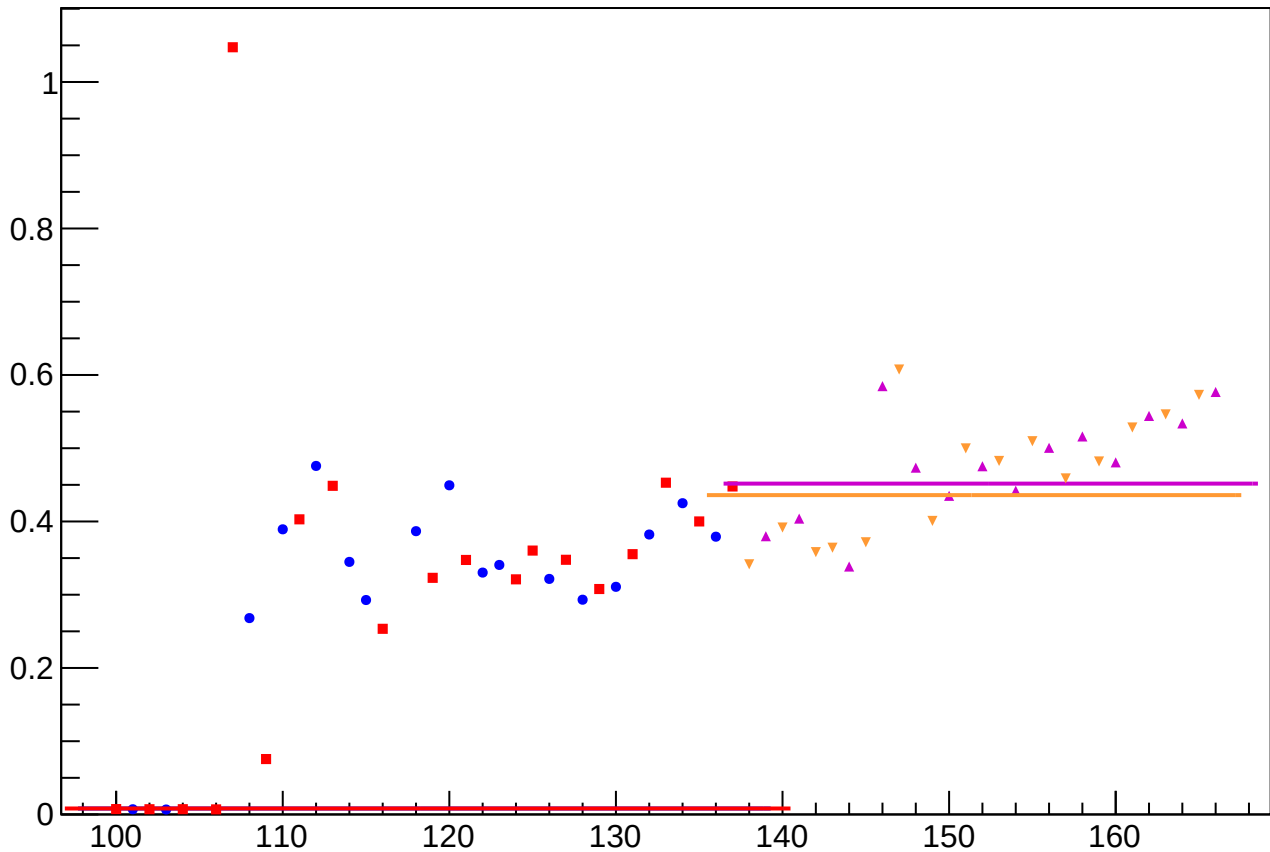
- sign 0.534 $\pm$ 0.000 χ^2 /NDF: 4938243.5/32

yield_cav4dQ_mean vs Slug



Right In: 378.281 $\pm$ 0.000 χ^2 /NDF: 2512261599188.1/16
 Left Out: 148.792 $\pm$ 0.000 χ^2 /NDF: 57420674.0/14
 Right Out: 377.289 $\pm$ 0.000 χ^2 /NDF: 8279468194444.1/18
 Left In: 148.509 $\pm$ 0.000 χ^2 /NDF: 232870585.1/13

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9885759.8/16

Left Out: 0.436+/-0.000 χ^2/NDF : 654233.0/14

Right Out: 0.008+/-0.000 χ^2/NDF : 9535410.6/18

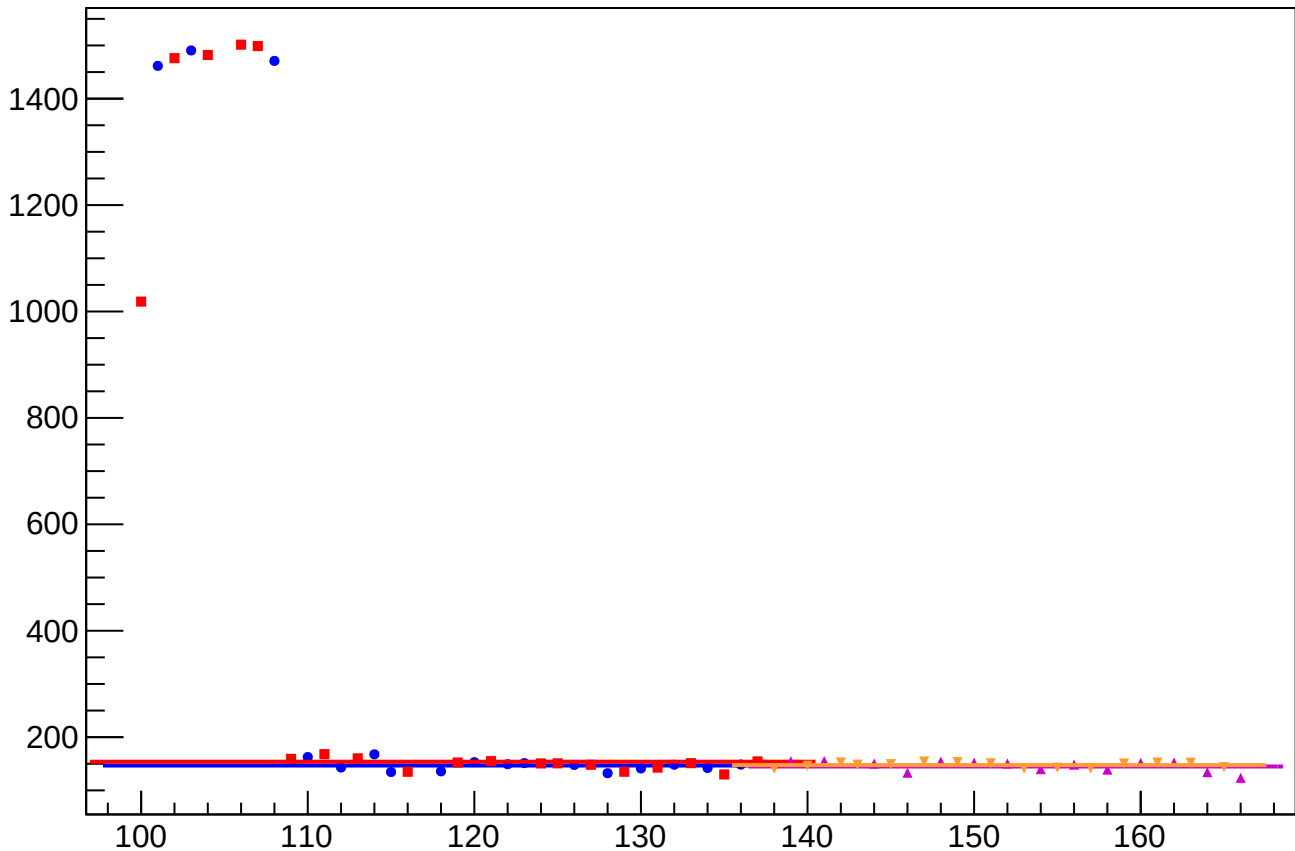
Left In: 0.452+/-0.000 χ^2/NDF : 516566.6/13

+ sign 0.010+/-0.000 χ^2/NDF : 30450976.1/31

All: 0.010+/-0.000 χ^2/NDF : 60212687.0/64

- sign 0.010+/-0.000 χ^2/NDF : 29760715.0/32

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 147.500+/-0.000 χ^2/NDF : 252891991.0/14

Right Out: 153.887+/-0.000 χ^2/NDF : 33738118250.9/18

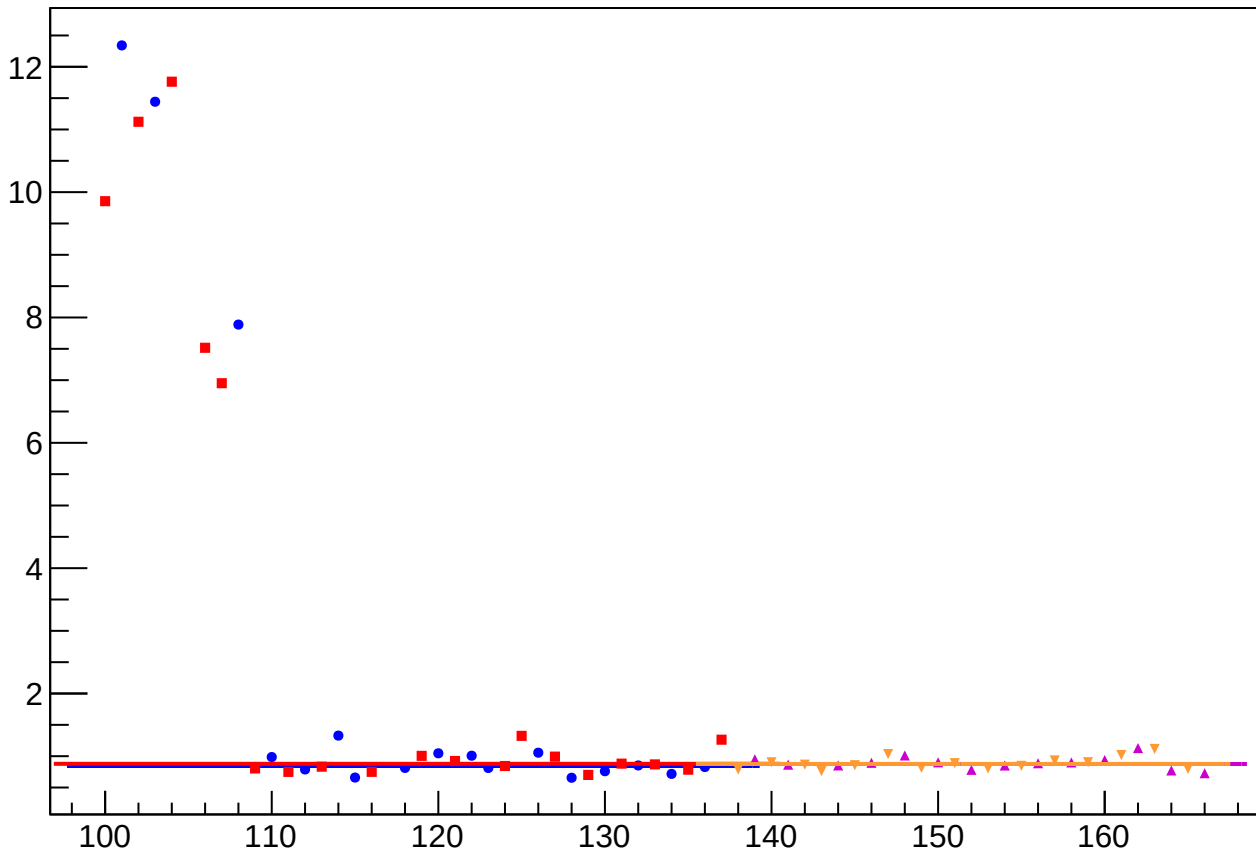
Left In: 144.863+/-0.000 χ^2/NDF : 1080750411.8/13

+ sign 147.252+/-0.000 χ^2/NDF : 24605962866.7/31

All: 147.486+/-0.000 χ^2/NDF : 59721048131.0

- sign 147.722+/-0.000 χ^2/NDF : 35113234172.6/32

yield_bcm0l02_rms vs Slug



Right In: 0.844+/-0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.876+/-0.000 χ^2/NDF :185925.7/14

Right Out: 0.878+/-0.000 χ^2/NDF : 2812500.6/18

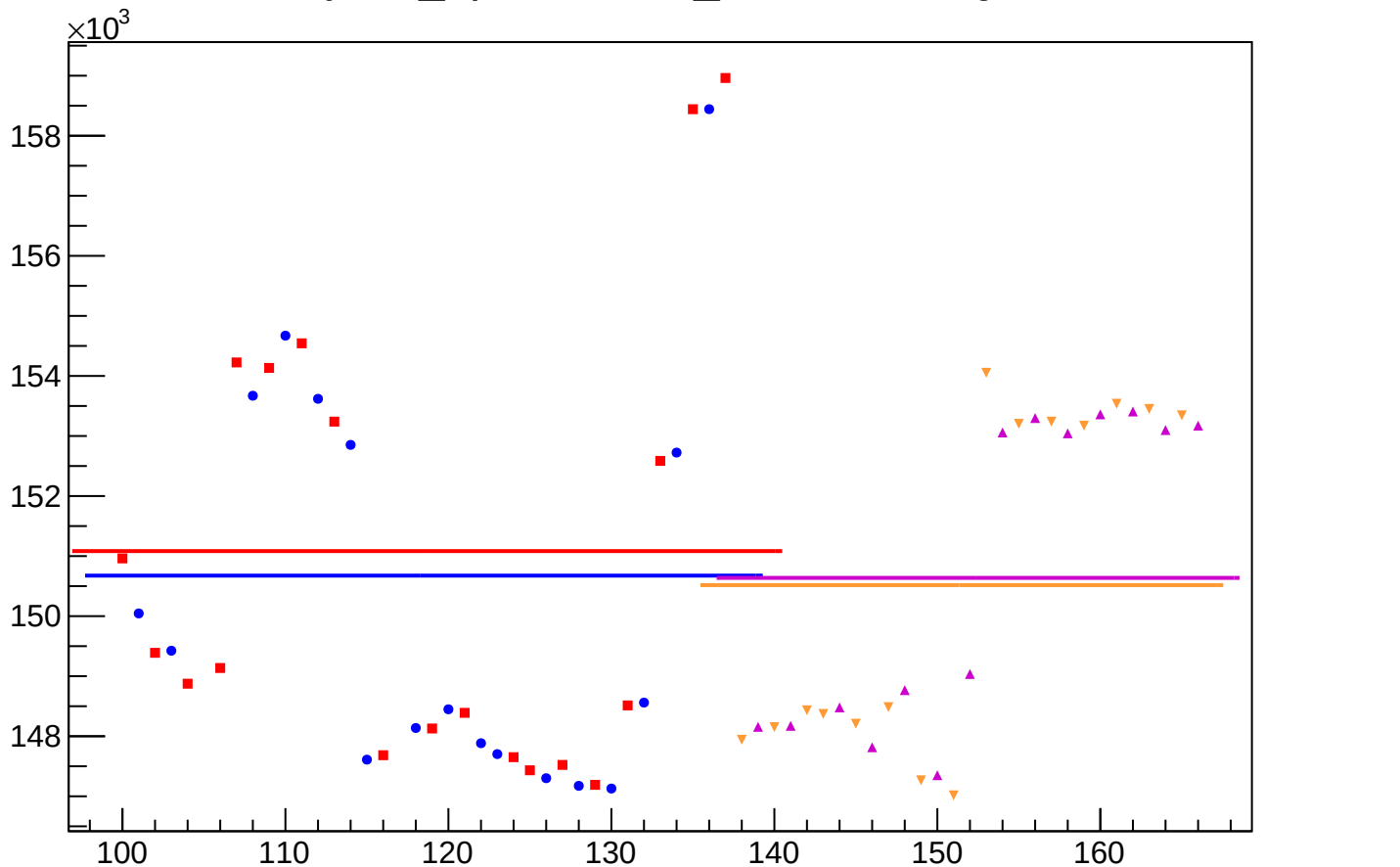
Left In: 0.876+/-0.000 χ^2/NDF :188580.1/13

+ sign 0.866+/-0.000 χ^2/NDF : 2863977.8/31

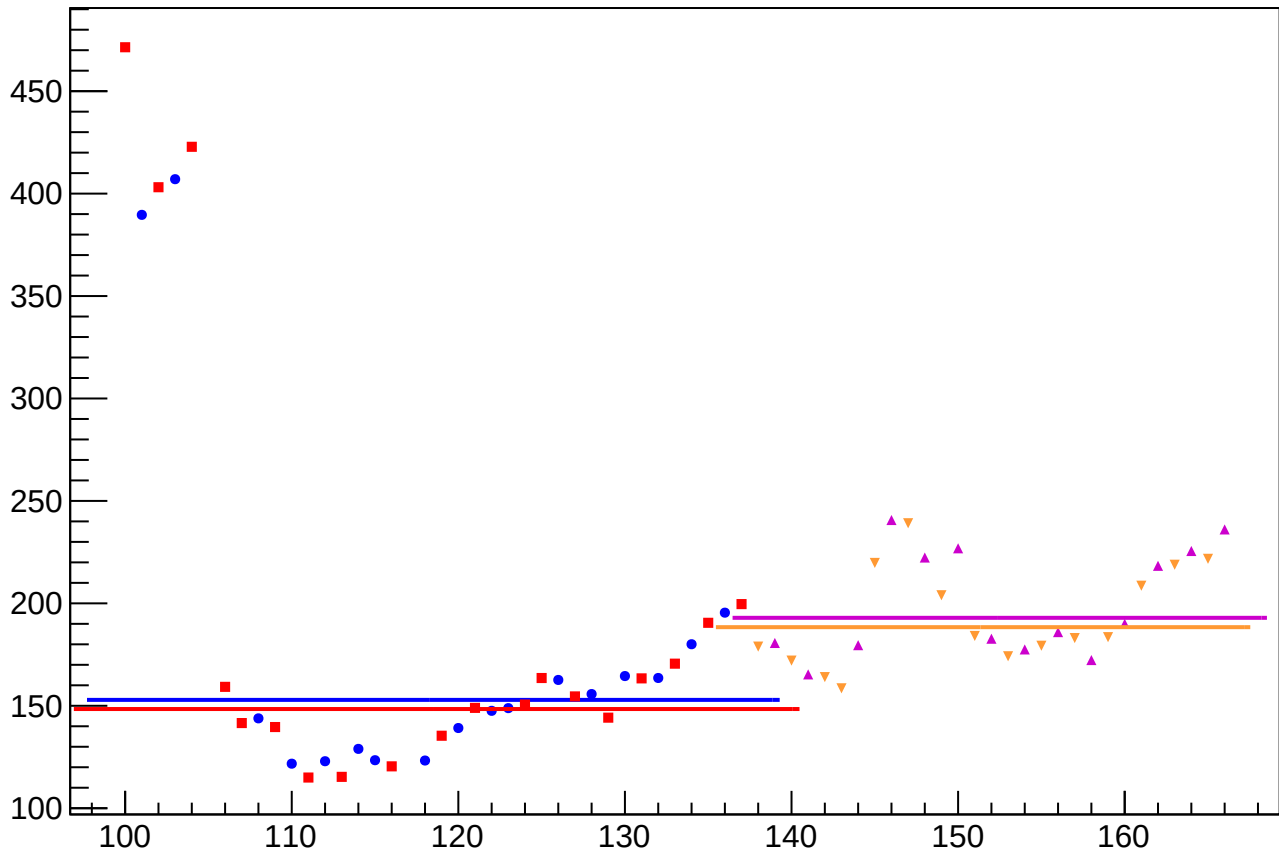
All: 0.871+/-0.000 χ^2/NDF : 5867116.1/64

- sign 0.877+/-0.000 χ^2/NDF : 3001130.0/32

yield_bpm0i01WS_mean vs Slug

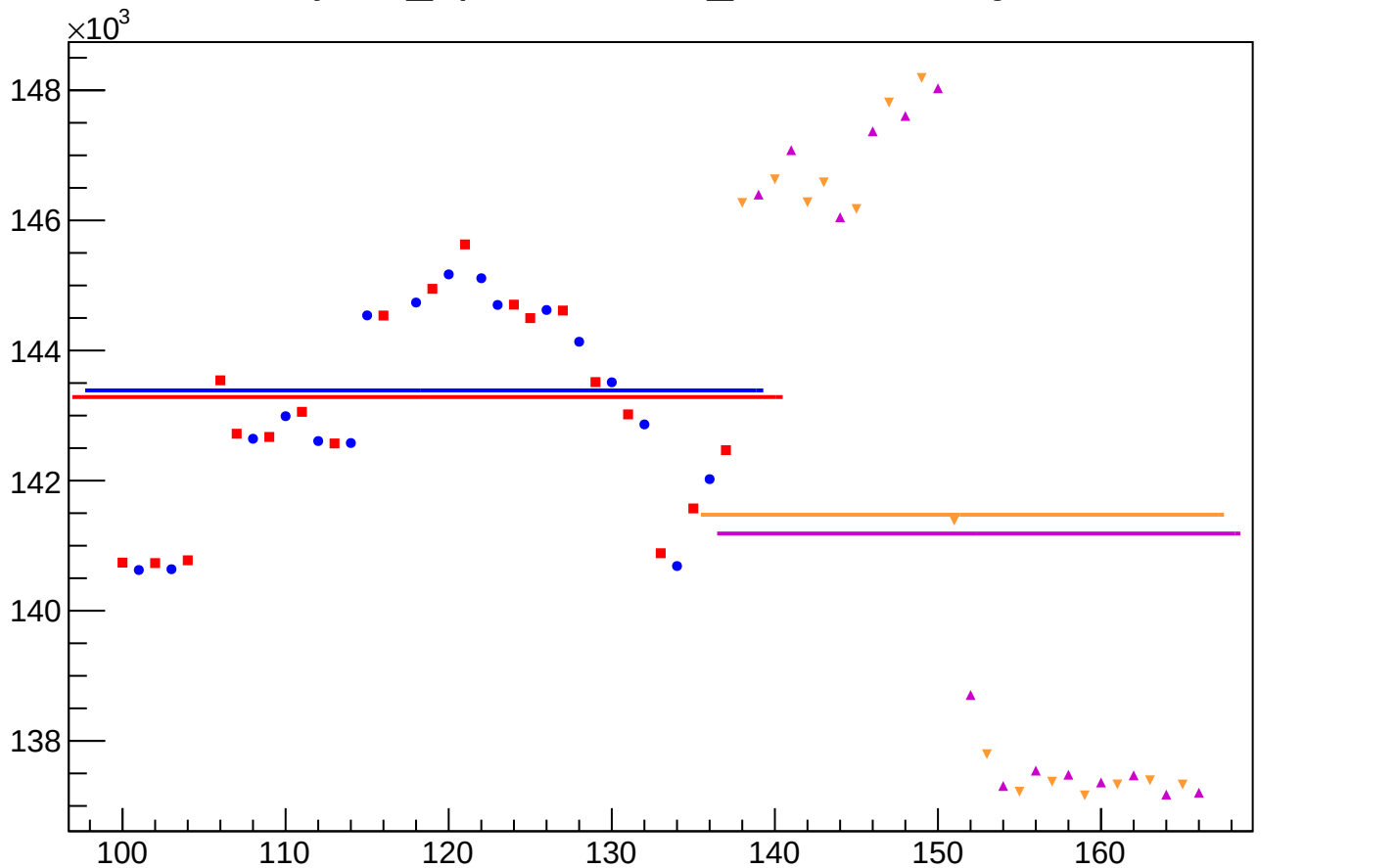


yield_bpm0i01WS_rms vs Slug



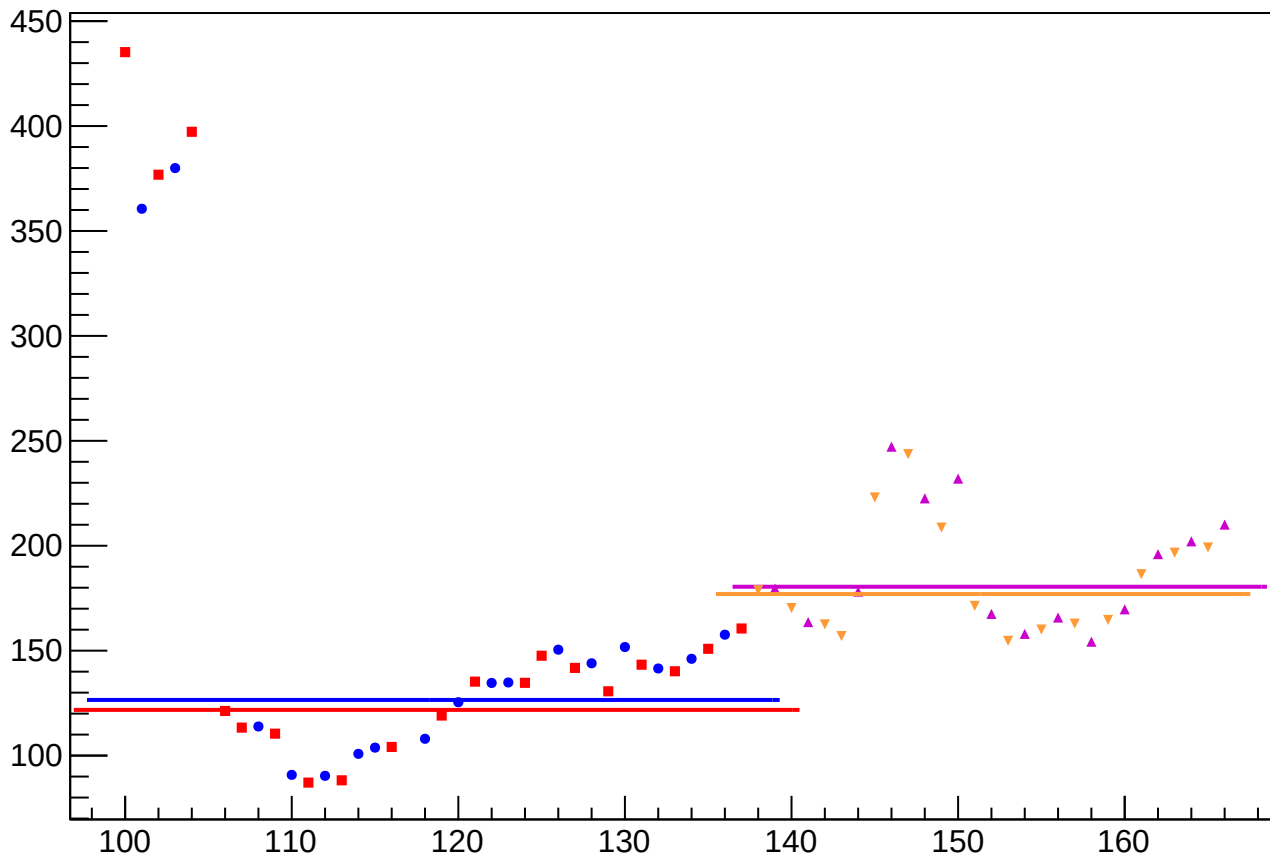
Right In: 152.883 $\pm$ 0.045	χ^2 /NDF: 1154088.7/16	+ sign 172.299 $\pm$ 0.030	χ^2 /NDF: 1782769.9/31
Left Out: 188.373 $\pm$ 0.041	χ^2 /NDF: 281039.2/14	All: 171.538 $\pm$ 0.021	χ^2 /NDF: 3850262.7/64
Right Out: 148.418 $\pm$ 0.042	χ^2 /NDF: 1191577.6/18	- sign 170.787 $\pm$ 0.030	χ^2 /NDF: 2066211.7/32
Left In: 192.939 $\pm$ 0.042	χ^2 /NDF: 315639.9/13		

yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099+/-0.053	χ^2/NDF : 521299875.7/16	+ sign 142454.064+/-0.038	χ^2/NDF : 8123611874.9
Left Out: 141476.519+/-0.054	χ^2/NDF : 6961030773.6/14	All: 142410.322+/-0.026	χ^2/NDF : 16329894
Right Out: 143284.757+/-0.049	χ^2/NDF : 608634820.1/18	- sign 142368.561+/-0.037	χ^2/NDF : 8203652608.8/
Left In: 141187.102+/-0.056	χ^2/NDF : 6797854966.8/13		

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 176.978 $\pm$ 0.038 χ^2 /NDF: 353655.2/14

Right Out: 121.772 $\pm$ 0.035 χ^2 /NDF: 1463829.4/18

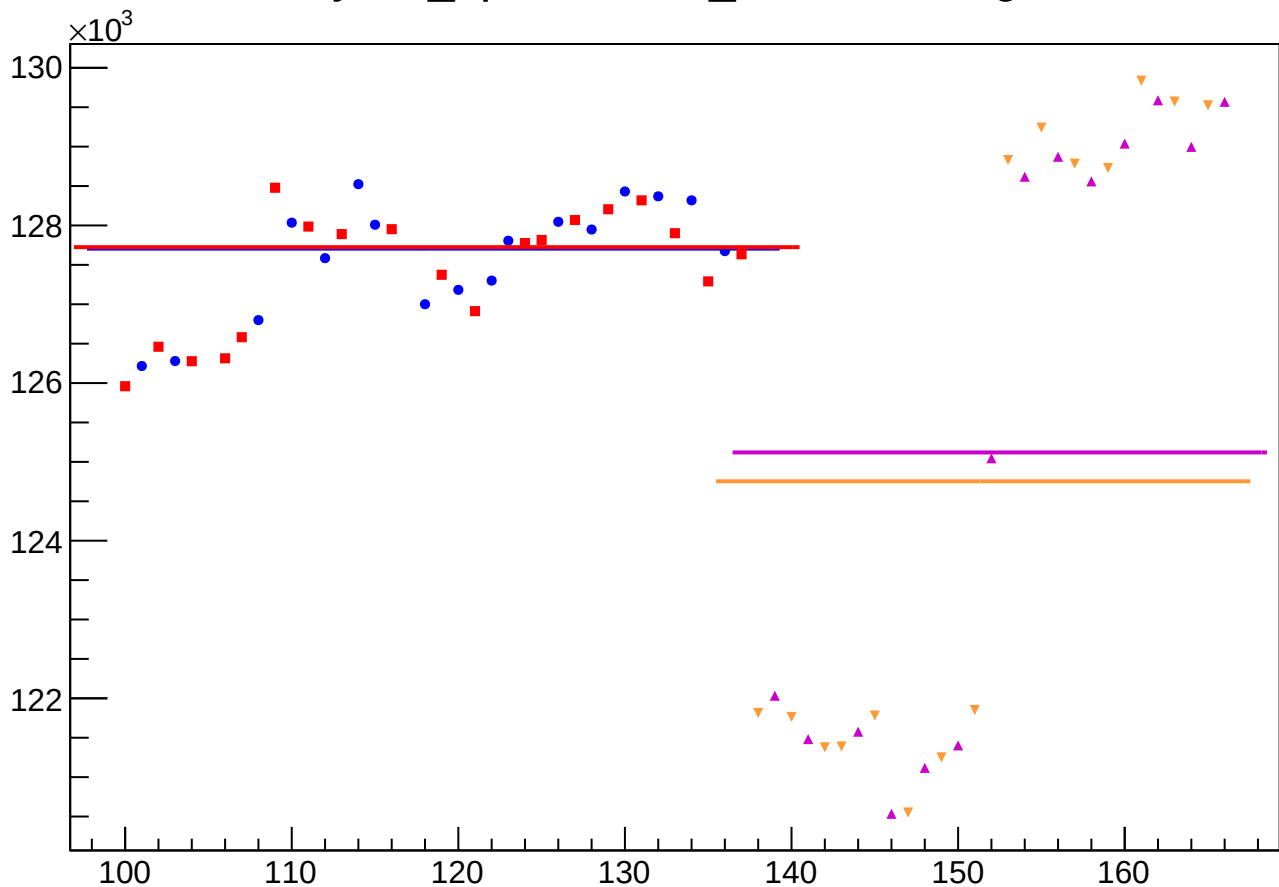
Left In: 180.463 $\pm$ 0.039 χ^2 /NDF: 426455.0/13

+ sign 151.158 $\pm$ 0.027 χ^2 /NDF: 2690119.1/31

All: 149.239 $\pm$ 0.019 χ^2 /NDF: 5838650.8/64

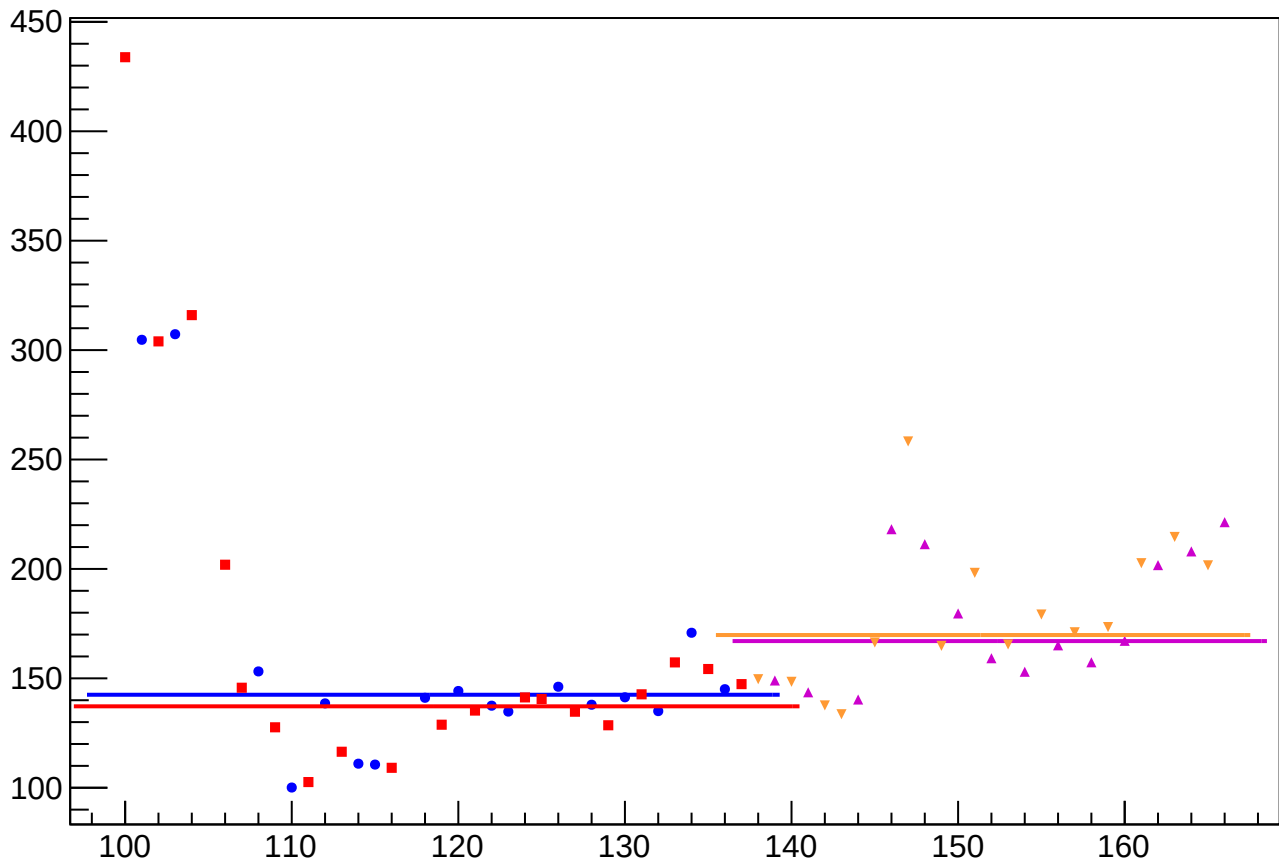
- sign 147.407 $\pm$ 0.026 χ^2 /NDF: 3138407.6/32

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058	χ^2 /NDF: 97860521.1/16	+ sign 126079.605 $\pm$ 0.039	χ^2 /NDF: 6689907793.8
Left Out: 124753.679 $\pm$ 0.052	χ^2 /NDF: 5167336475.6/14	All: 126223.920 $\pm$ 0.027	χ^2 /NDF: 127890639
Right Out: 127724.256 $\pm$ 0.055	χ^2 /NDF: 112614317.2/18	- sign 126358.742 $\pm$ 0.038	χ^2 /NDF: 6072545377.6/13
Left In: 125119.991 $\pm$ 0.052	χ^2 /NDF: 4763854571.3/13		

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 ± 0.041 χ^2/NDF : 836263.7/16

Left Out: 169.793 ± 0.037 χ^2/NDF : 551254.6/14

Right Out: 137.211 ± 0.039 χ^2/NDF : 957317.1/18

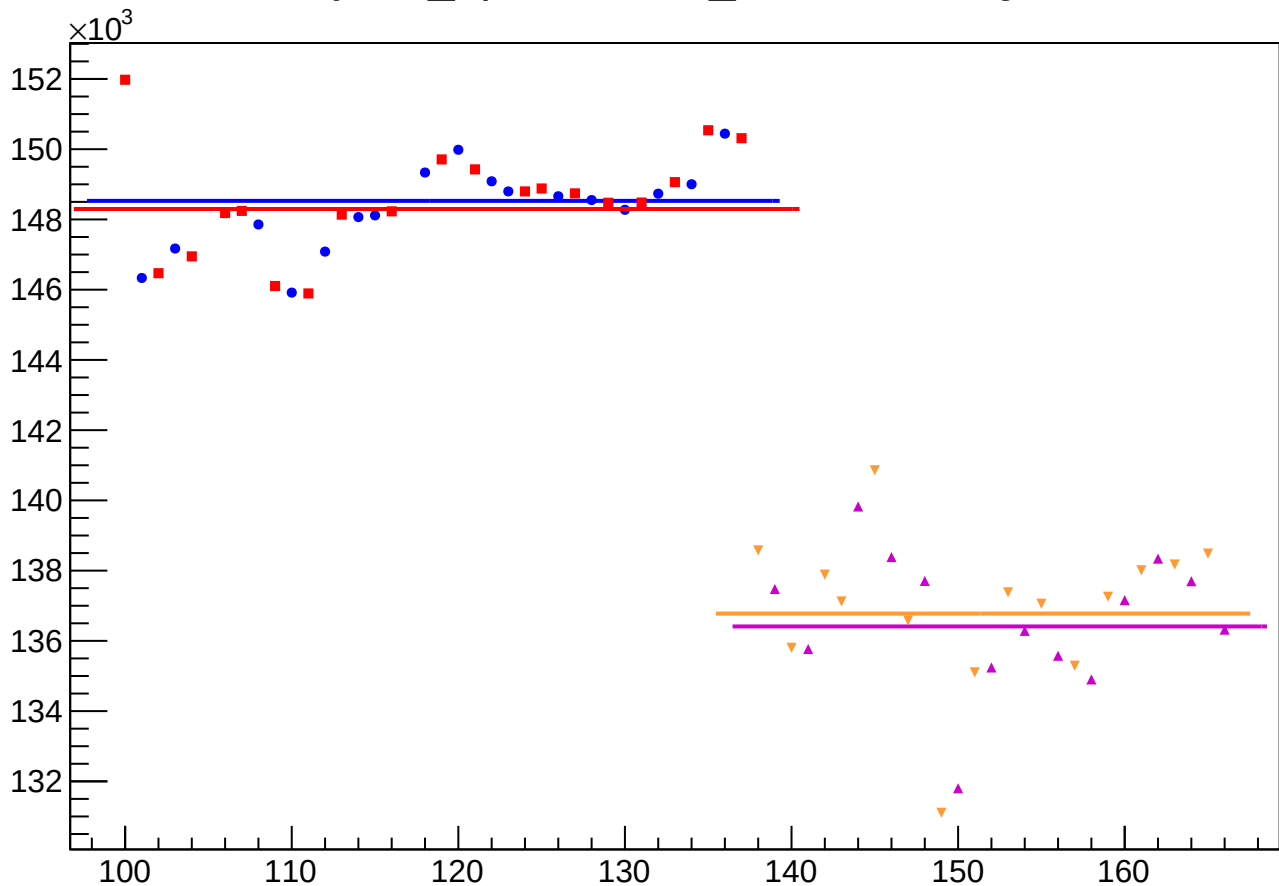
Left In: 167.028 ± 0.037 χ^2/NDF : 465706.6/13

+ sign 157.537 ± 0.028 χ^2/NDF : 1630980.9/31

All: 155.111 ± 0.019 χ^2/NDF : 3382606.0/64

- sign 152.845 ± 0.027 χ^2/NDF : 1736590.3/32

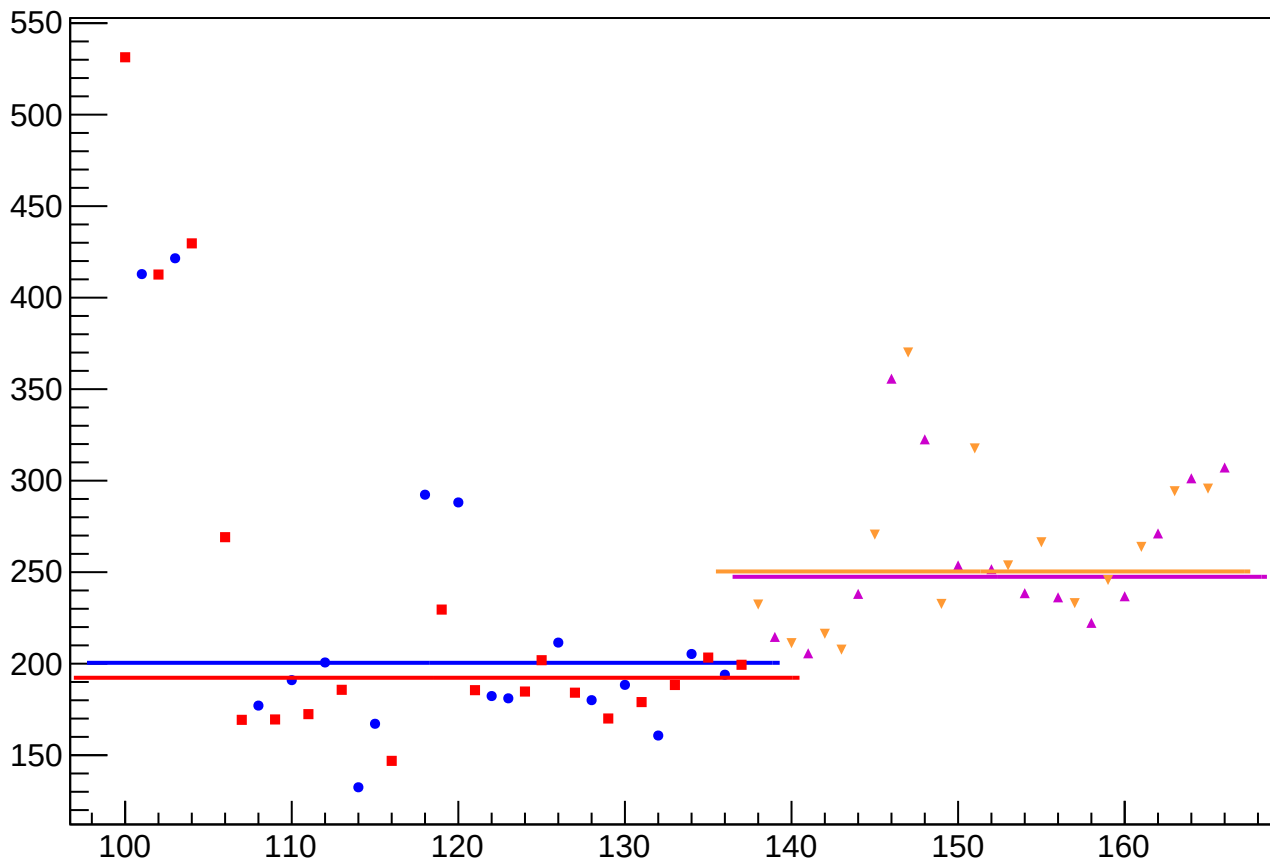
yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 ± 0.082 $\chi^2/\text{NDF}: 209986594.2/16$
 Left Out: 136777.107 ± 0.077 $\chi^2/\text{NDF}: 829653924.1/14$
 Right Out: 148297.126 ± 0.076 $\chi^2/\text{NDF}: 293244556.5/18$
 Left In: 136410.590 ± 0.077 $\chi^2/\text{NDF}: 637340787.8/13$

+ sign 142260.752 ± 0.056 $\chi^2/\text{NDF}: 11975715389.$
 All: 142317.555 ± 0.039 $\chi^2/\text{NDF}: 24974034.$
 - sign 142370.464 ± 0.054 $\chi^2/\text{NDF}: 12996335854.0$

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 250.389 $\pm$ 0.054 χ^2 /NDF: 464078.7/14

Right Out: 192.304 $\pm$ 0.054 χ^2 /NDF: 844504.1/18

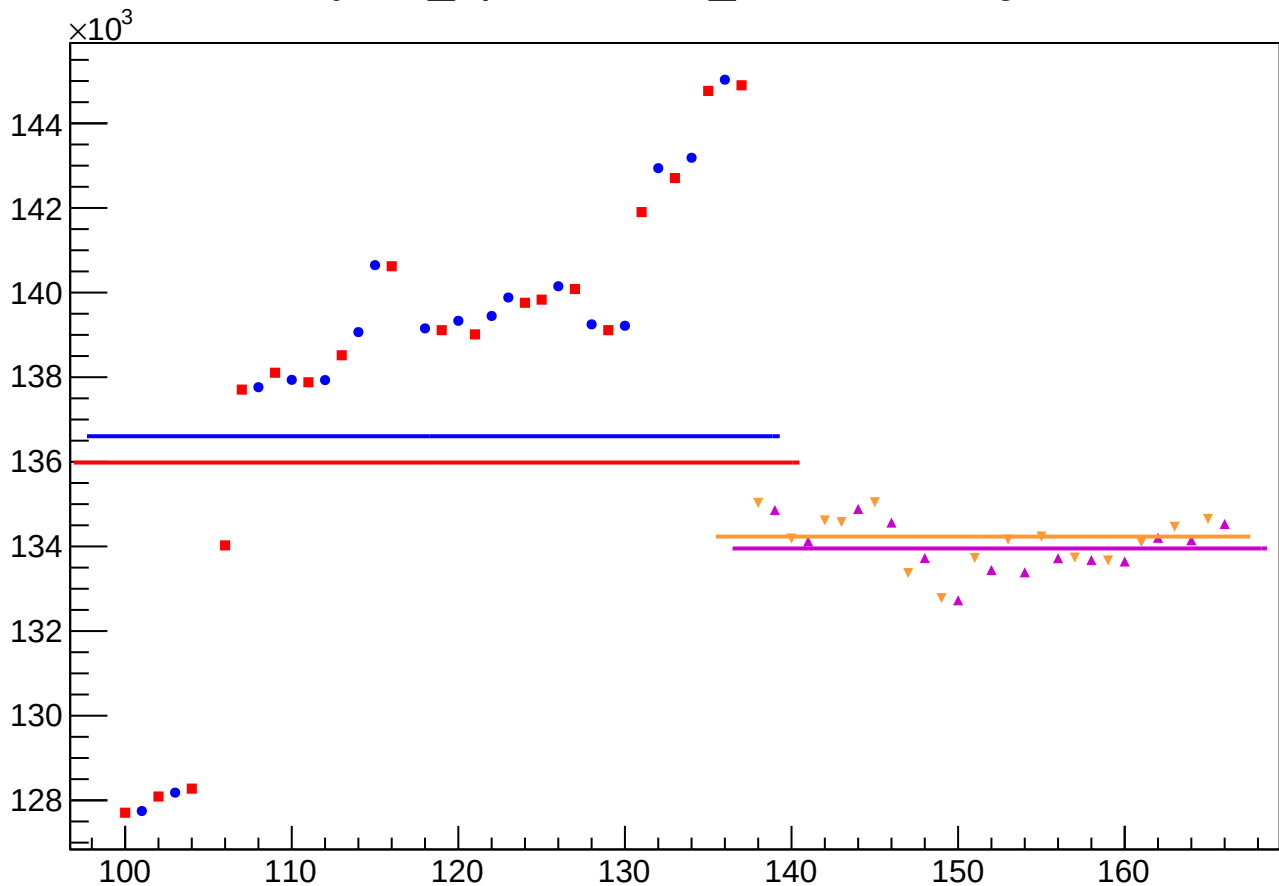
Left In: 247.470 $\pm$ 0.054 χ^2 /NDF: 452534.3/13

+ sign 227.097 $\pm$ 0.040 χ^2 /NDF: 1795247.2/31

All: 223.324 $\pm$ 0.028 χ^2 /NDF: 3629553.1/64

- sign 219.810 $\pm$ 0.038 χ^2 /NDF: 1816813.3/32

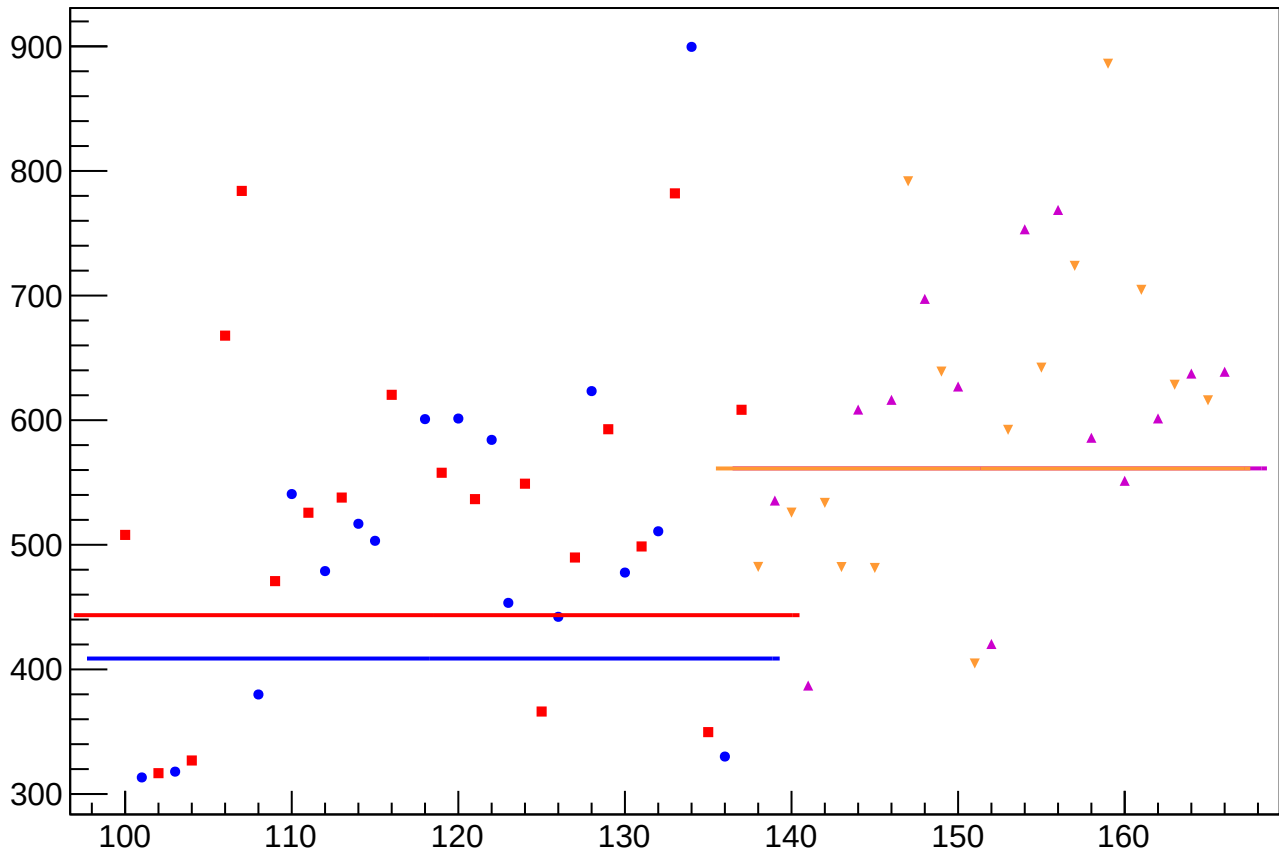
yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16
 Left Out: 134233.306 $\pm$ 0.181 χ^2 /NDF: 11285455.3/14
 Right Out: 135982.842 $\pm$ 0.183 χ^2 /NDF: 1082431147.9/18
 Left In: 133952.217 $\pm$ 0.187 χ^2 /NDF: 9622603.0/13

+ sign 135483.086 $\pm$ 0.124 χ^2 /NDF: 1596127951.7
 All: 135248.364 $\pm$ 0.090 χ^2 /NDF: 27560686
 - sign 134989.934 $\pm$ 0.131 χ^2 /NDF: 1152468073.1/

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 ± 0.121 χ^2/NDF : 823262.8/16

Left Out: 561.247 ± 0.128 χ^2/NDF : 828119.1/14

Right Out: 443.521 ± 0.129 χ^2/NDF : 917492.4/18

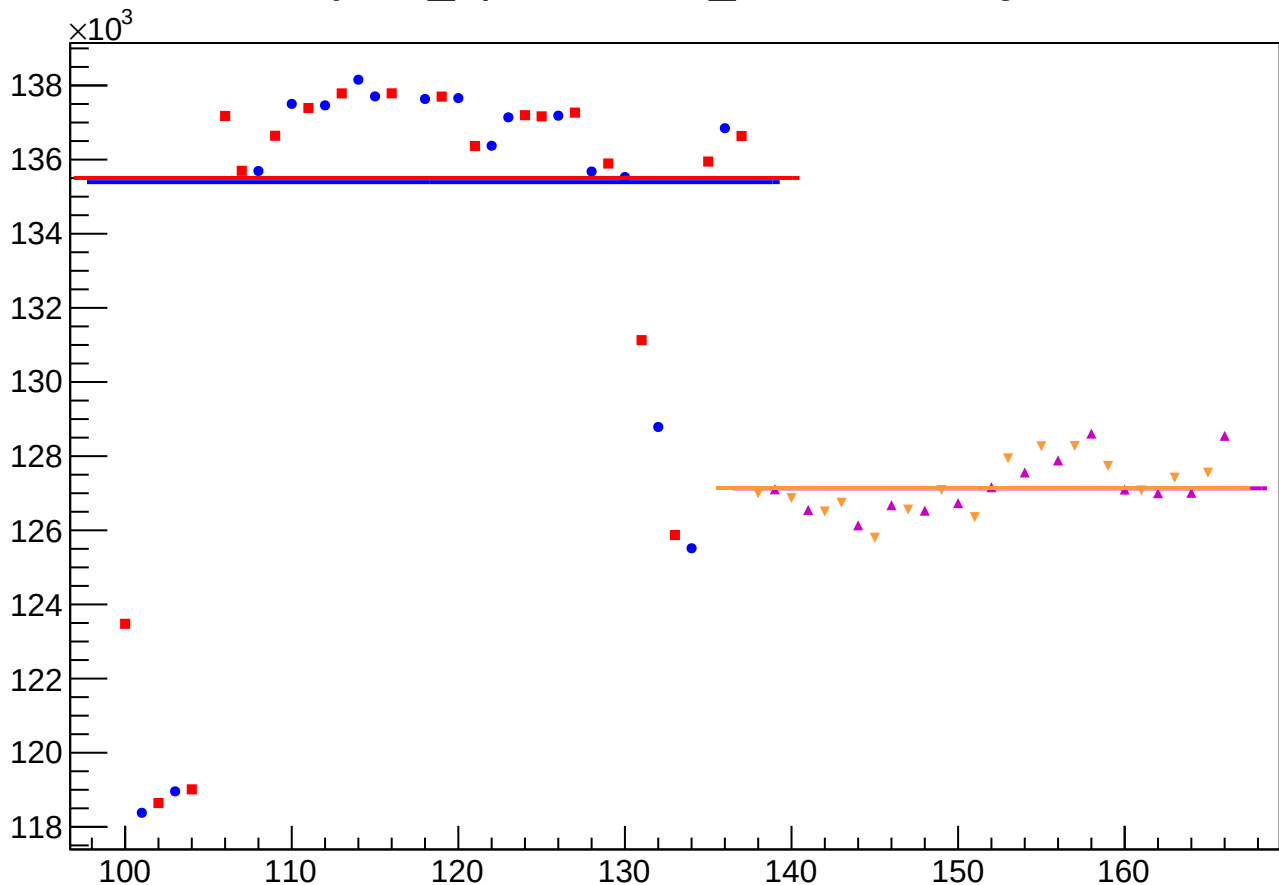
Left In: 561.308 ± 0.132 χ^2/NDF : 737494.8/13

+ sign 480.864 ± 0.088 χ^2/NDF : 2400027.5/31

All: 490.503 ± 0.064 χ^2/NDF : 4486755.2/64

- sign 501.115 ± 0.092 χ^2/NDF : 2061526.3/32

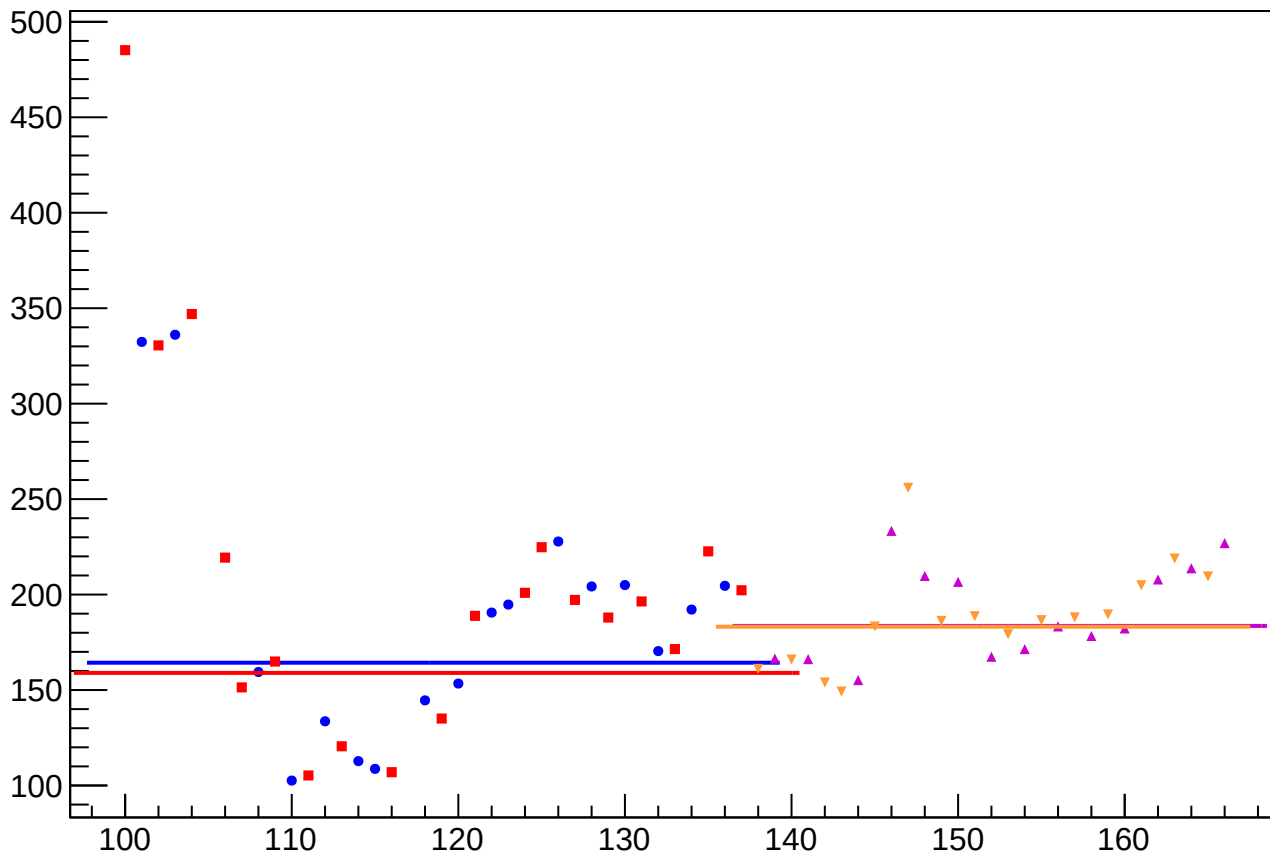
yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16
 Left Out: 127140.632 $\pm$ 0.056 χ^2 /NDF: 154598717.4/14
 Right Out: 135504.836 $\pm$ 0.064 χ^2 /NDF: 4730667469.8/18
 Left In: 127131.863 $\pm$ 0.057 χ^2 /NDF: 153861823.4/13

+ sign 130460.450 $\pm$ 0.043 χ^2 /NDF: 13465385949.
 All: 130626.987 $\pm$ 0.030 χ^2 /NDF: 279047248
 - sign 130787.786 $\pm$ 0.043 χ^2 /NDF: 14410264899.1

yield_bpm0l04WS_rms vs Slug



Right In: 164.311+/-0.048 χ^2/NDF : 1230487.8/16

Left Out: 183.173+/-0.040 χ^2/NDF : 347130.3/14

Right Out: 158.977+/-0.046 χ^2/NDF : 1384059.2/18

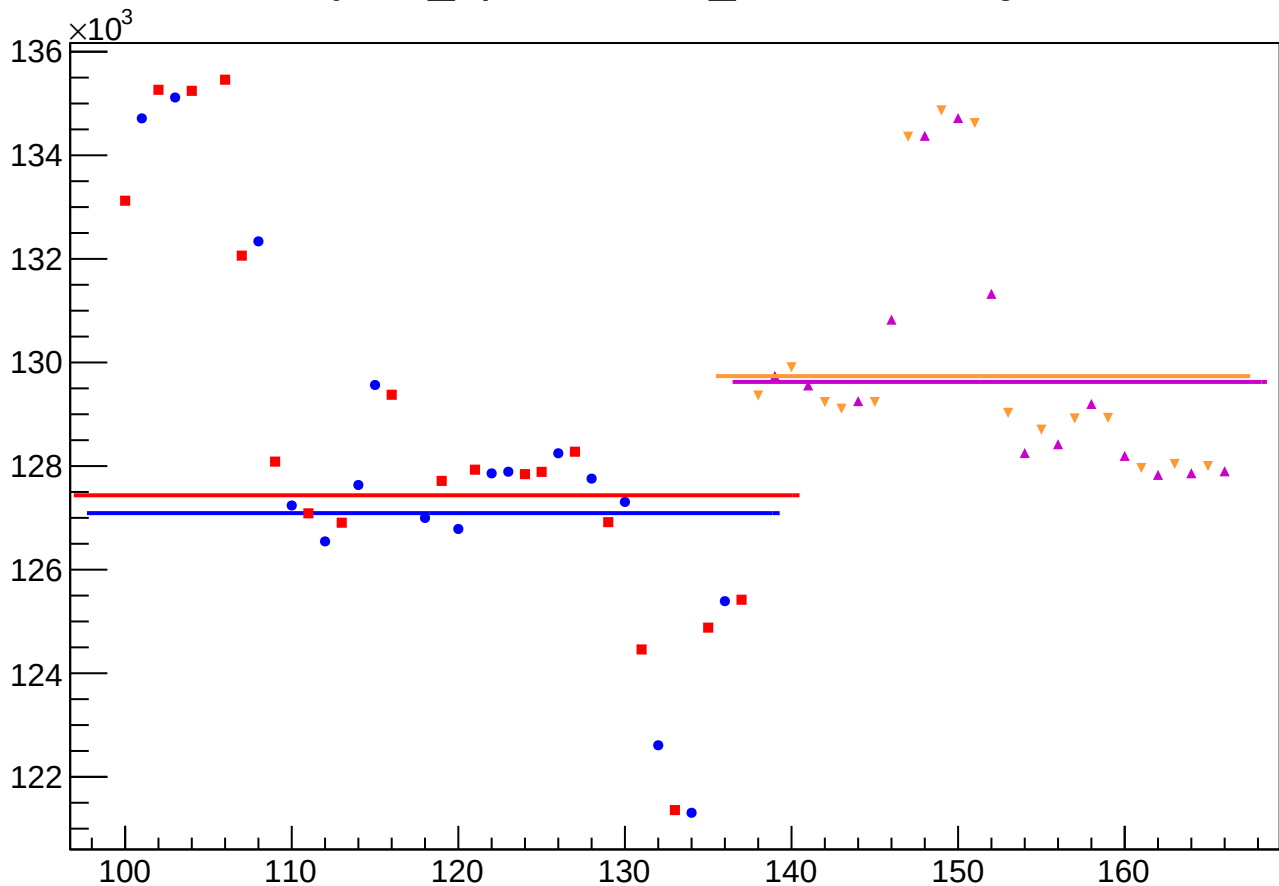
Left In: 183.582+/-0.040 χ^2/NDF : 314633.8/13

+ sign 175.584+/-0.031 χ^2/NDF : 1668874.0/31

All: 174.187+/-0.021 χ^2/NDF : 3536163.8/64

- sign 172.839+/-0.030 χ^2/NDF : 1863199.7/32

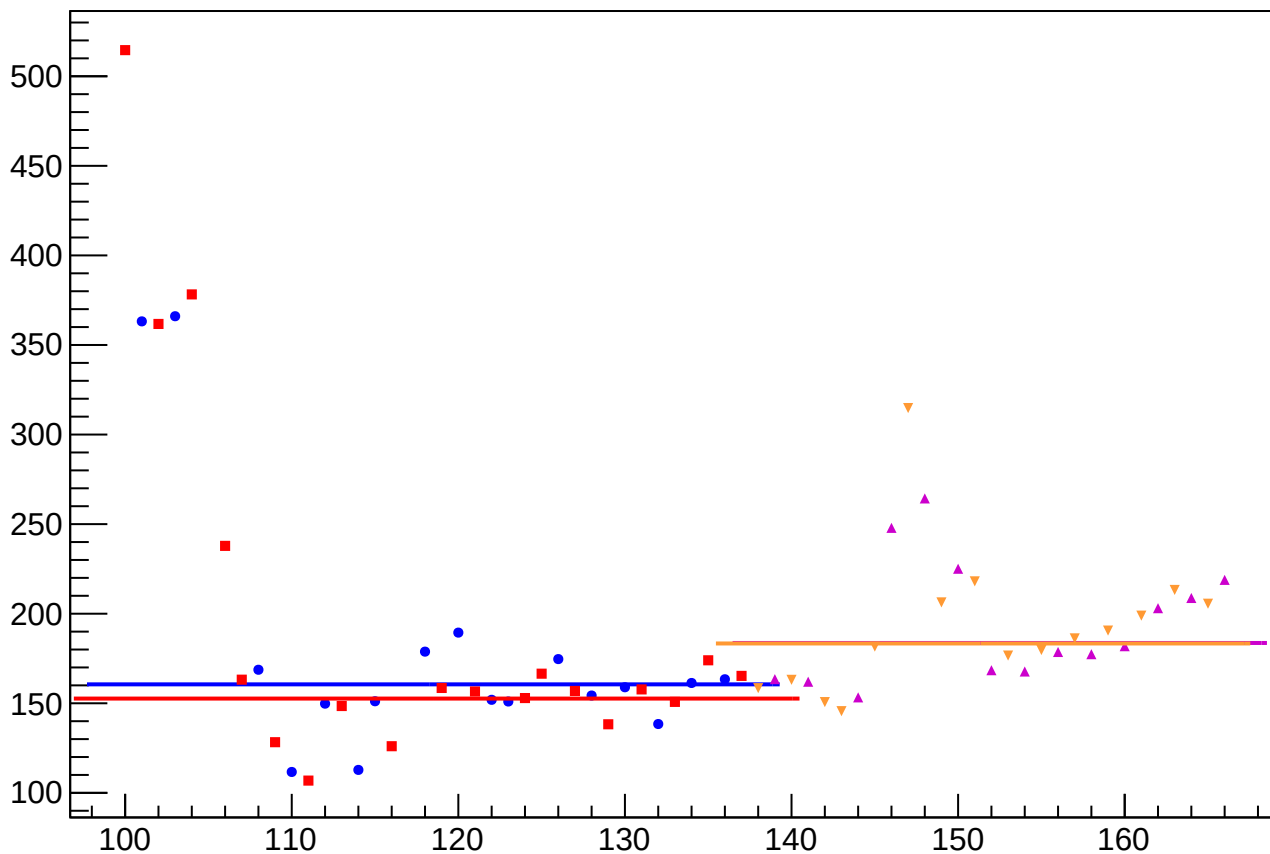
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 ± 0.066 $\chi^2/\text{NDF}: 1717208780.6/16$
 Left Out: 129736.701 ± 0.057 $\chi^2/\text{NDF}: 1283187468.5/14$
 Right Out: 127436.101 ± 0.062 $\chi^2/\text{NDF}: 2079075713.9/18$
 Left In: 129624.482 ± 0.057 $\chi^2/\text{NDF}: 1069729839.5/13$

+ sign 128623.551 ± 0.043 $\chi^2/\text{NDF}: 3922243312.9$
 All: 128618.450 ± 0.030 $\chi^2/\text{NDF}: 775139212$
 - sign 128613.626 ± 0.042 $\chi^2/\text{NDF}: 3829121444.8/$

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 $\pm$ 0.047 χ^2 /NDF: 942747.0/16

Left Out: 183.384 $\pm$ 0.040 χ^2 /NDF: 570127.7/14

Right Out: 152.629 $\pm$ 0.044 χ^2 /NDF: 1086504.4/18

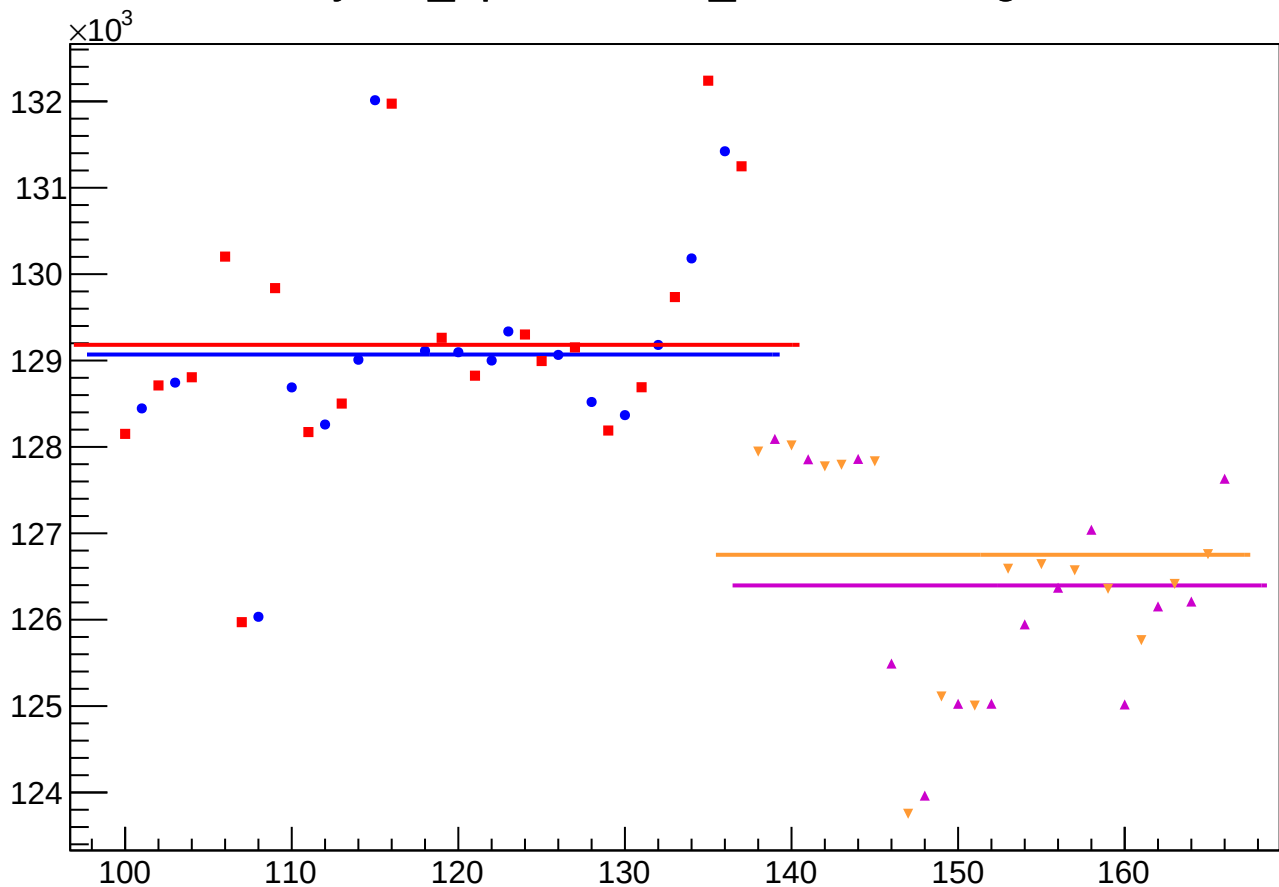
Left In: 183.662 $\pm$ 0.040 χ^2 /NDF: 514687.1/13

+ sign 173.781 $\pm$ 0.030 χ^2 /NDF: 1650093.0/31

All: 171.492 $\pm$ 0.021 χ^2 /NDF: 3535931.2/64

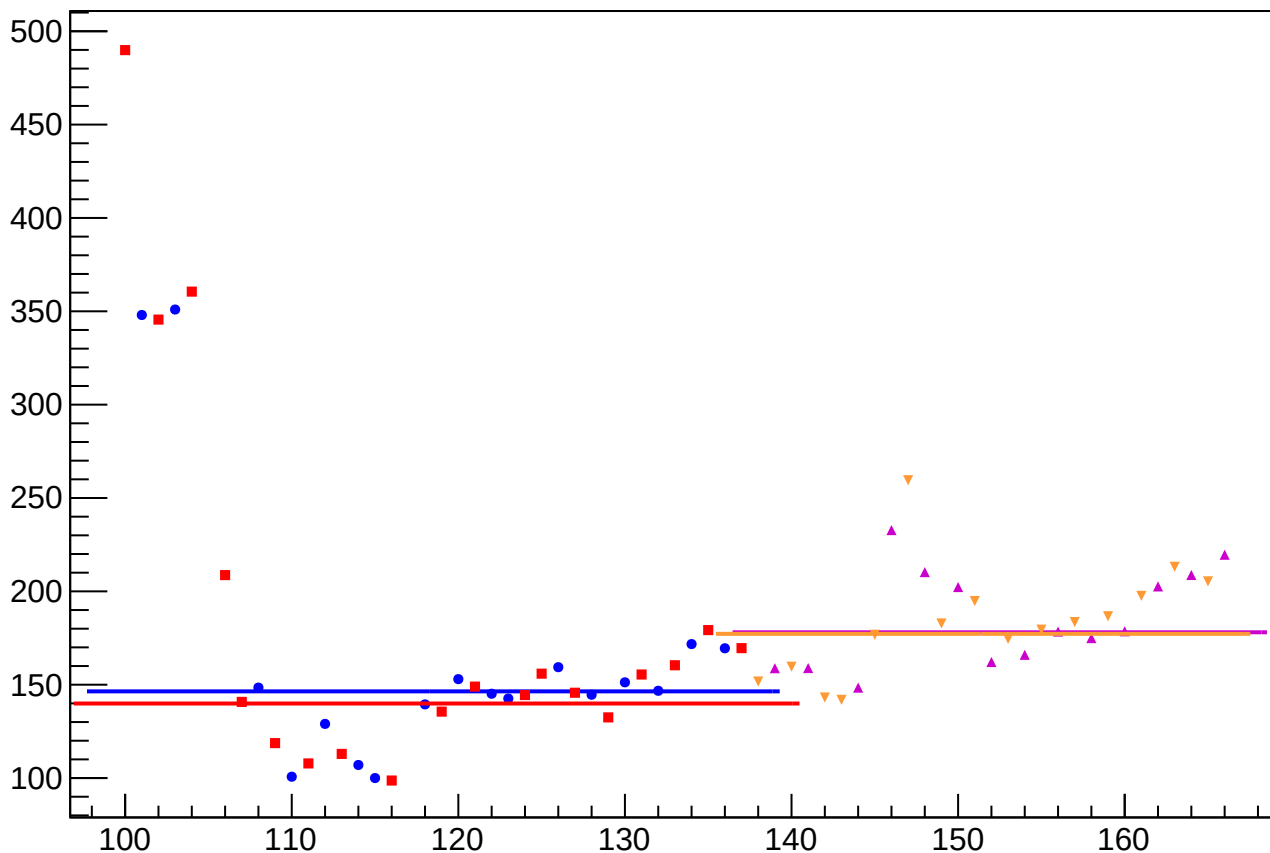
- sign 169.327 $\pm$ 0.030 χ^2 /NDF: 1874816.3/32

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060	$\chi^2/\text{NDF}: 476692316.5/16$	+ sign 127792.657 ± 0.040	$\chi^2/\text{NDF}: 1728596127.8$
Left Out: 126751.530 ± 0.054	$\chi^2/\text{NDF}: 434242908.5/14$	All: 127777.508 ± 0.028	$\chi^2/\text{NDF}: 413602235$
Right Out: 129181.887 ± 0.056	$\chi^2/\text{NDF}: 625597399.6/18$	- sign 127763.127 ± 0.039	$\chi^2/\text{NDF}: 2407151107.0$
Left In: 126396.644 ± 0.055	$\chi^2/\text{NDF}: 525584296.6/13$		

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 $\pm$ 0.043 χ^2 /NDF: 1064791.0/16

Left Out: 177.246 $\pm$ 0.038 χ^2 /NDF: 444189.4/14

Right Out: 139.929 $\pm$ 0.040 χ^2 /NDF: 1203570.9/18

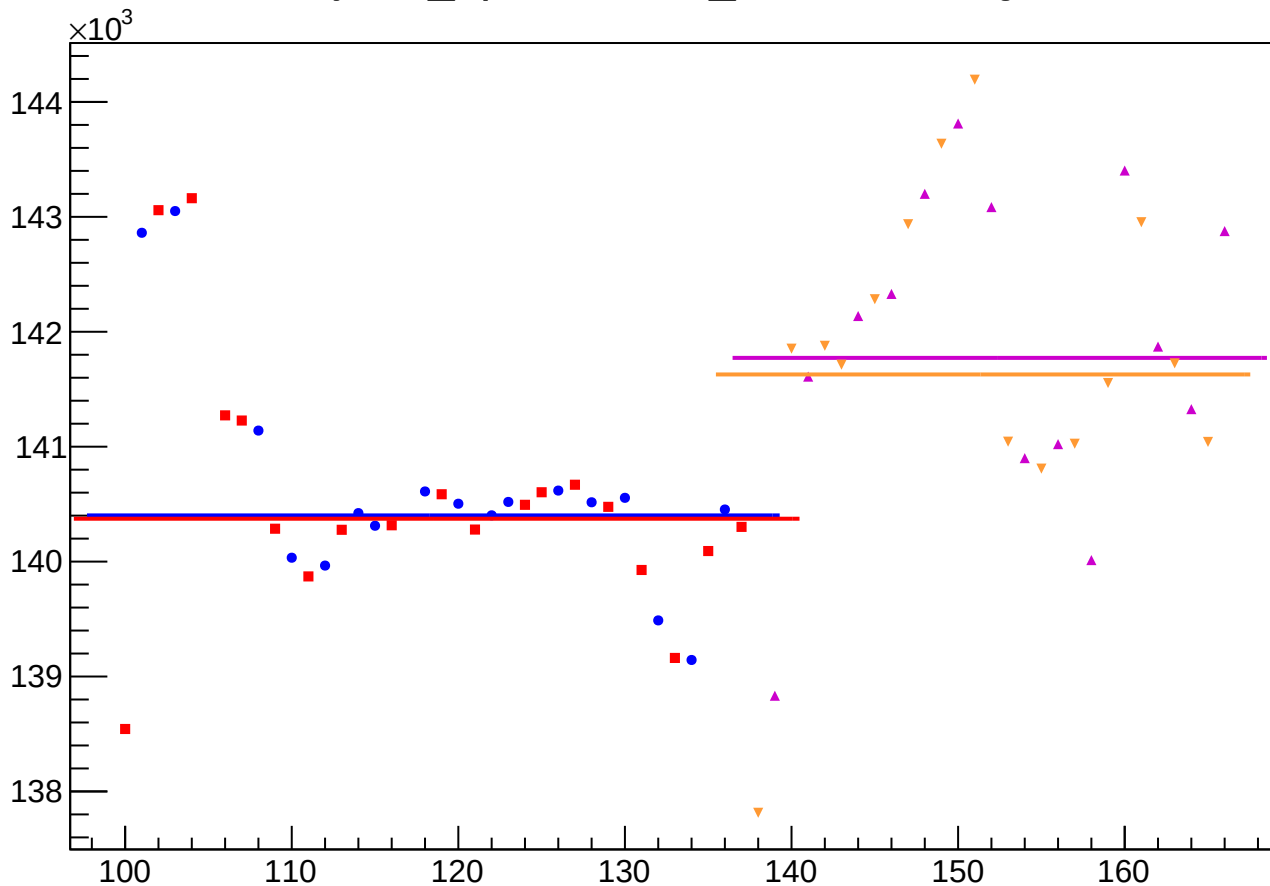
Left In: 178.076 $\pm$ 0.039 χ^2 /NDF: 370764.8/13

+ sign 163.409 $\pm$ 0.029 χ^2 /NDF: 1797826.7/31

All: 161.332 $\pm$ 0.020 χ^2 /NDF: 3853708.8/64

- sign 159.361 $\pm$ 0.028 χ^2 /NDF: 2045540.1/32

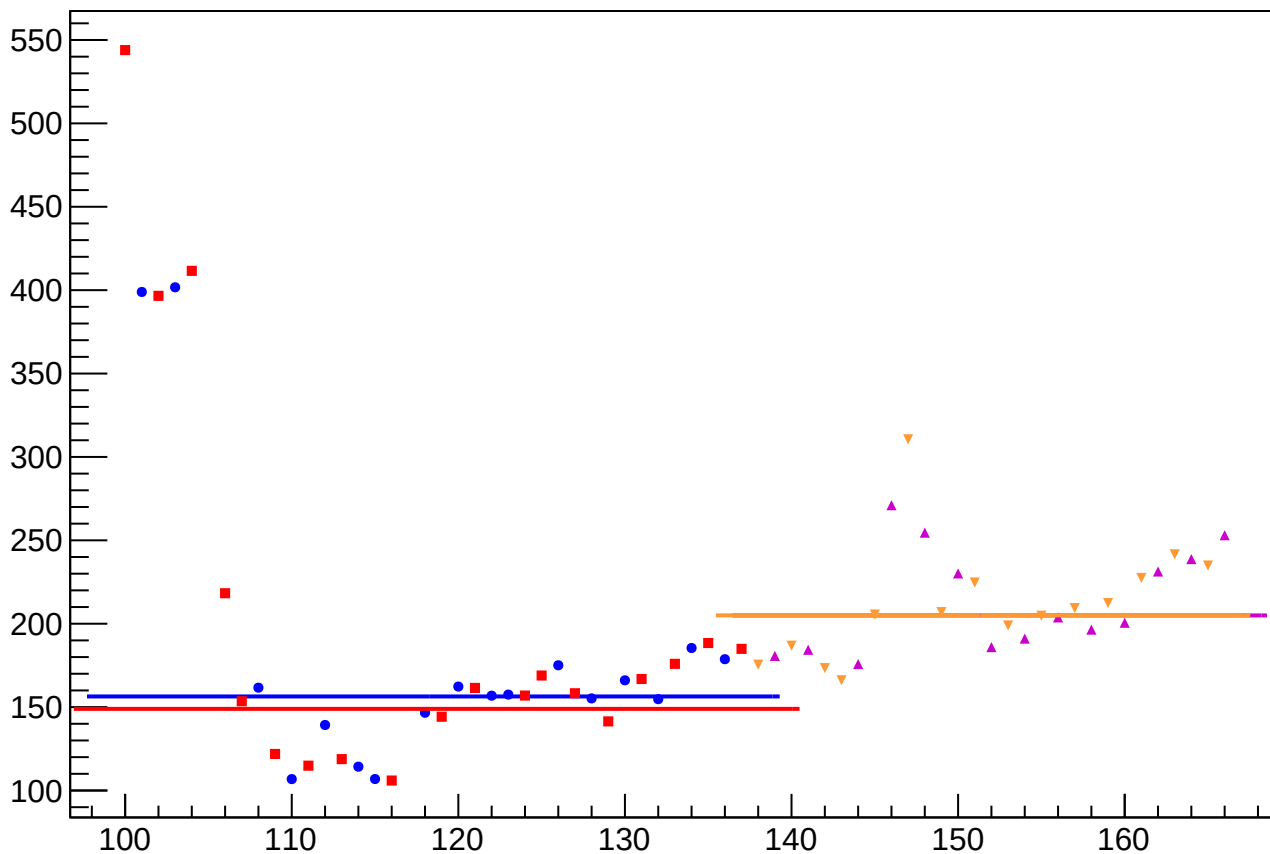
yield_bpm0l07WS_mean vs Slug



Right In: 140402.010 ± 0.064 $\chi^2/\text{NDF}: 88071774.7/16$
 Left Out: 141628.574 ± 0.063 $\chi^2/\text{NDF}: 587607930.5/14$
 Right Out: 140373.163 ± 0.060 $\chi^2/\text{NDF}: 99854533.3/18$
 Left In: 141772.770 ± 0.063 $\chi^2/\text{NDF}: 475126018.6/13$

+ sign 141028.946 ± 0.045 $\chi^2/\text{NDF}: 861394583.1/3$
 All: 141030.619 ± 0.031 $\chi^2/\text{NDF}: 169387019$
 - sign 141032.185 ± 0.044 $\chi^2/\text{NDF}: 832472939.9/3$

yield_bpm0l07WS_rms vs Slug



Right In: 156.394 $\pm$ 0.046 χ^2/NDF : 1154804.2/16

Left Out: 205.030 $\pm$ 0.044 χ^2/NDF : 415904.6/14

Right Out: 148.949 $\pm$ 0.042 χ^2/NDF : 1307651.5/18

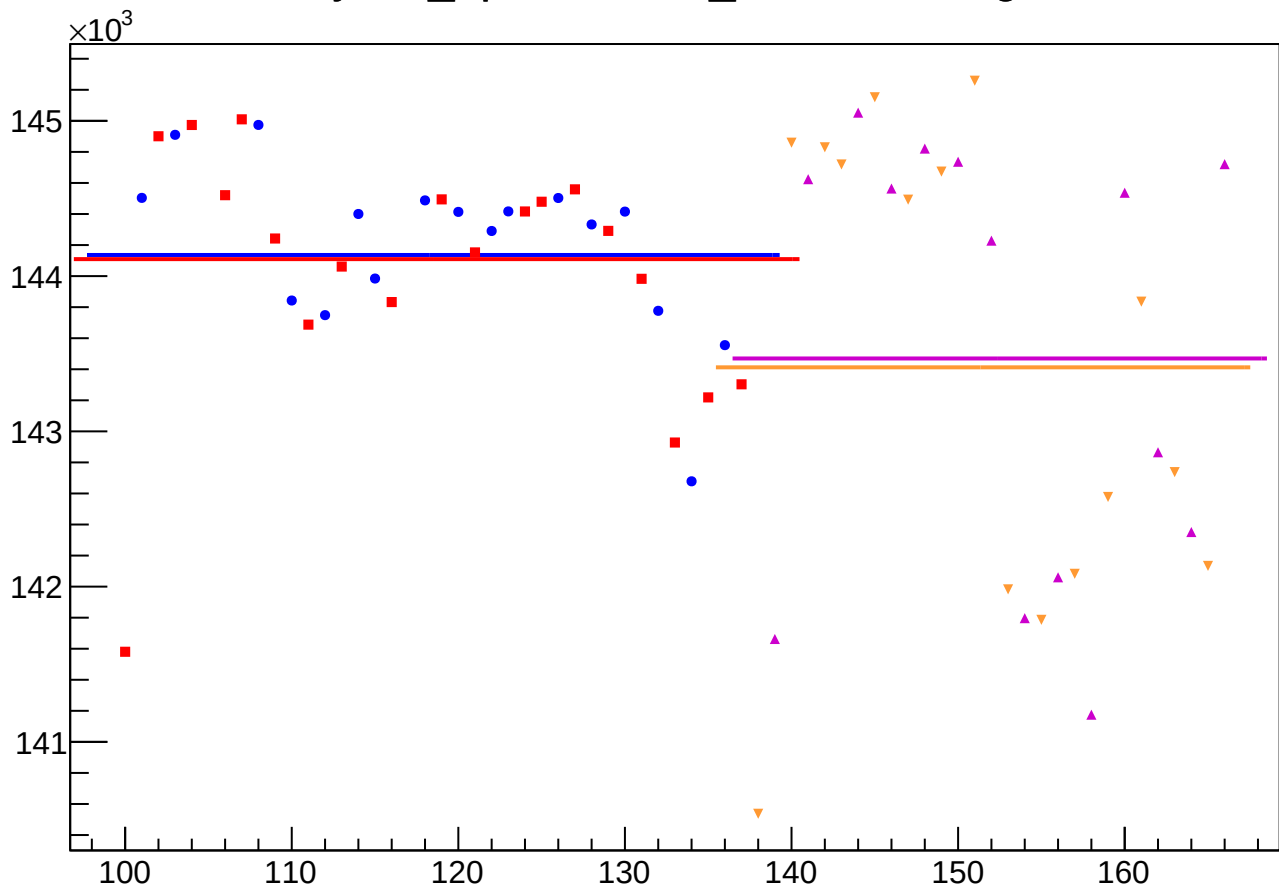
Left In: 204.972 $\pm$ 0.045 χ^2/NDF : 375322.3/13

+ sign 181.253 $\pm$ 0.032 χ^2/NDF : 2154728.0/31

All: 178.194 $\pm$ 0.022 χ^2/NDF : 4680727.9/64

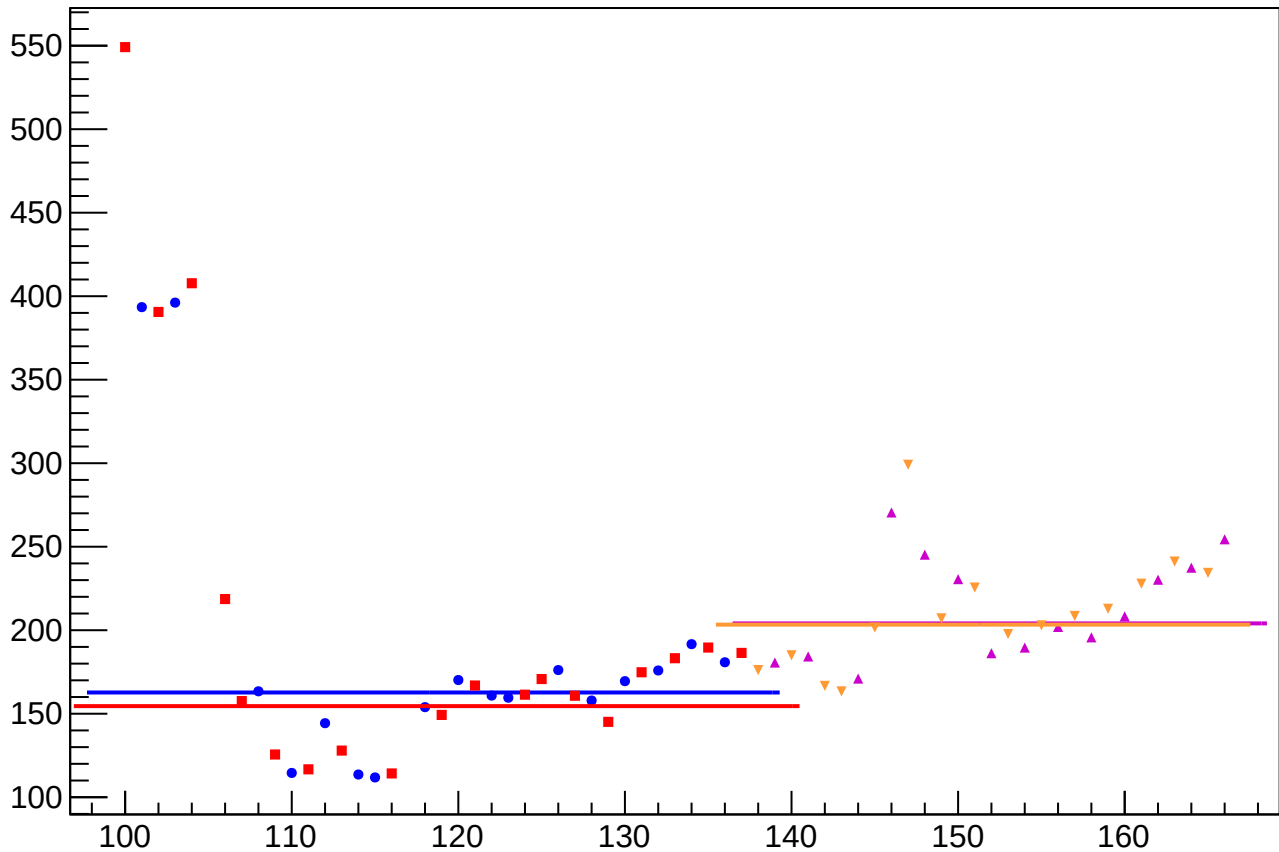
- sign 175.328 $\pm$ 0.031 χ^2/NDF : 2508086.6/32

yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067	χ^2/NDF : 47069480.3/16	+ sign 143749.678 $\pm$ 0.046	χ^2/NDF : 720096509.6/3
Left Out: 143412.409 $\pm$ 0.062	χ^2/NDF : 610294724.6/14	All: 143773.693 $\pm$ 0.032	χ^2/NDF : 135065869
Right Out: 144109.419 $\pm$ 0.062	χ^2/NDF : 65258627.2/18	- sign 143796.286 $\pm$ 0.044	χ^2/NDF : 630023444.8/3
Left In: 143469.517 $\pm$ 0.063	χ^2/NDF : 512416008.7/13		

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16

Left Out: 203.350 $\pm$ 0.044 χ^2 /NDF: 421270.4/14

+ sign 184.413 $\pm$ 0.032 χ^2 /NDF: 1883318.3/31

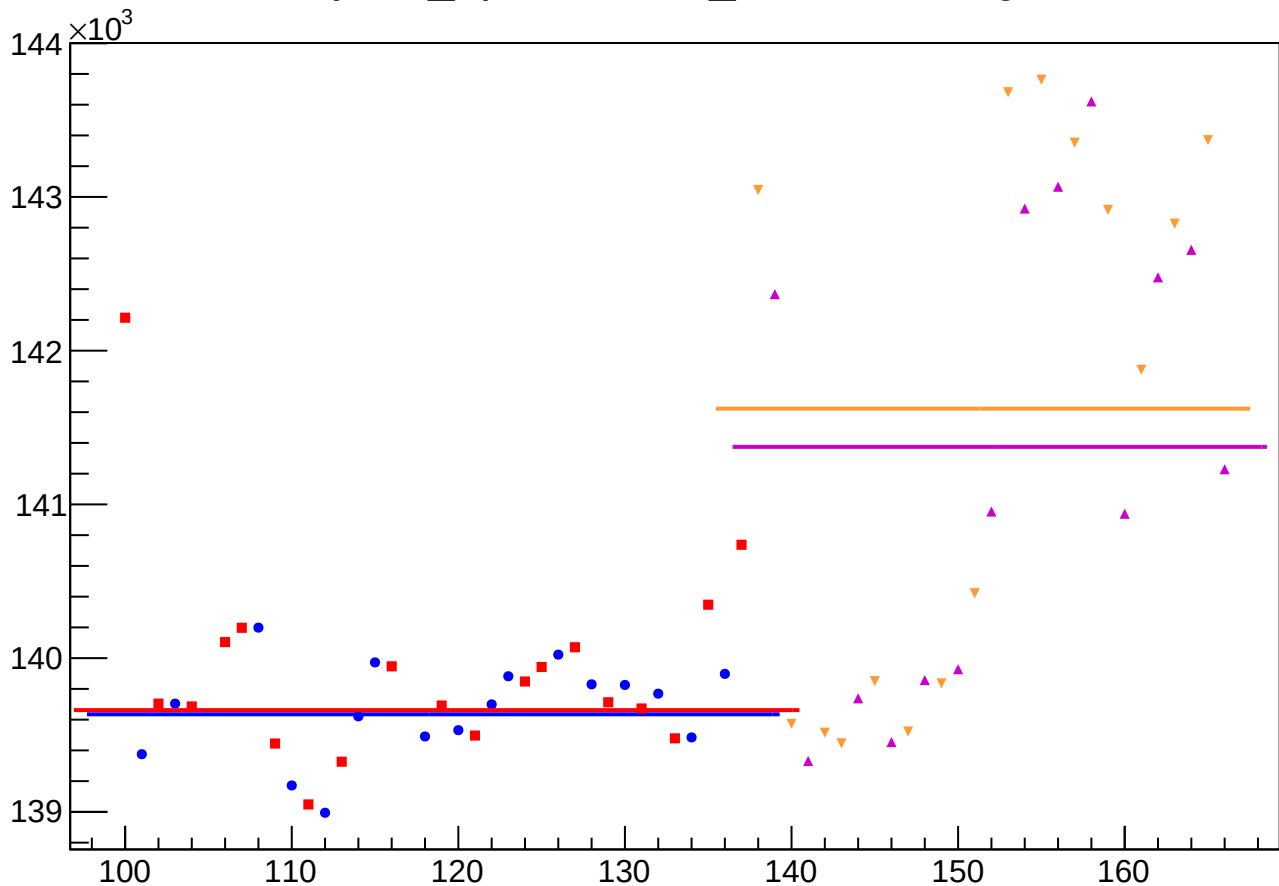
Right Out: 154.547 $\pm$ 0.044 χ^2 /NDF: 1217495.9/18

All: 181.515 $\pm$ 0.022 χ^2 /NDF: 4122313.0/64

- sign 178.789 $\pm$ 0.031 χ^2 /NDF: 2223306.6/32

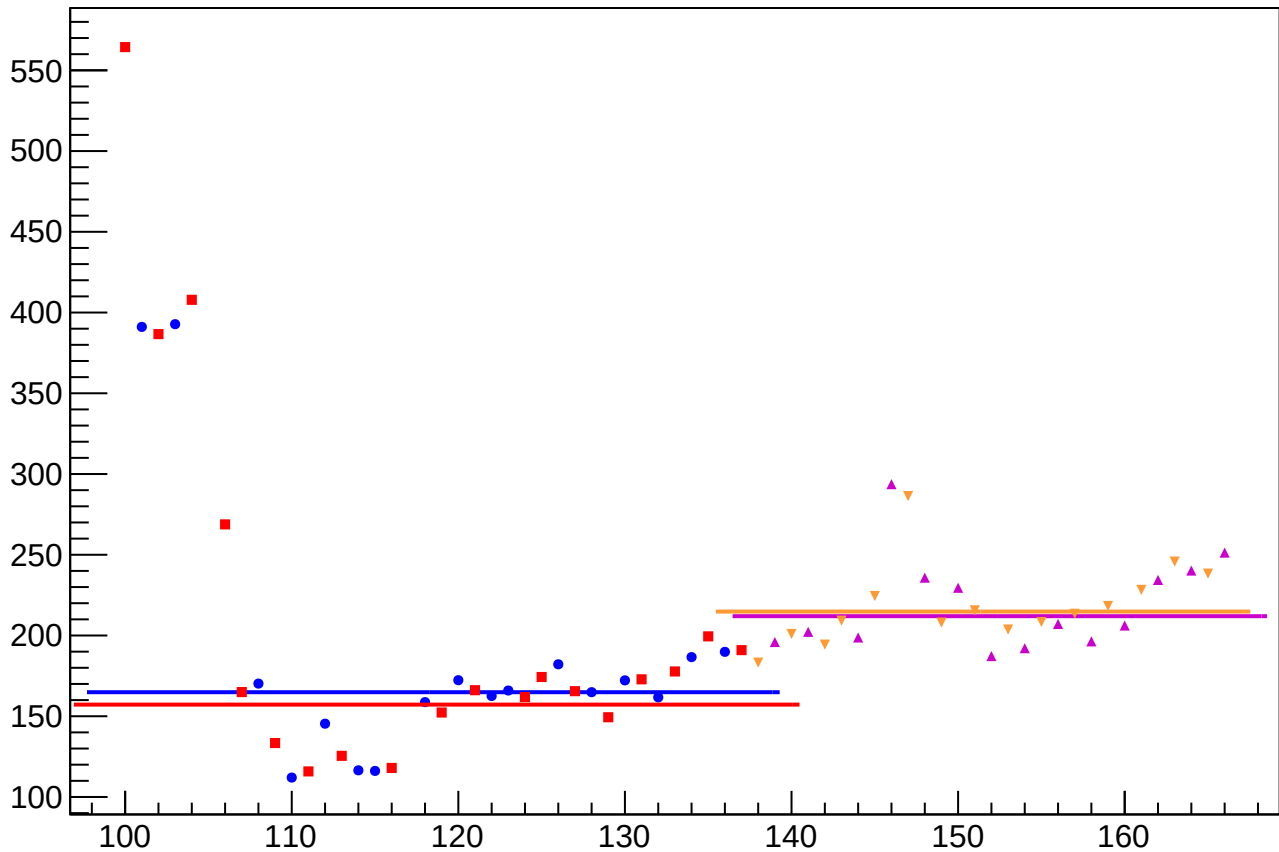
Left In: 204.086 $\pm$ 0.045 χ^2 /NDF: 378319.8/13

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 ± 0.068	$\chi^2/\text{NDF}: 24844912.0/16$	+ sign 140662.892 ± 0.047	$\chi^2/\text{NDF}: 1169946039.9$
Left Out: 141622.855 ± 0.065	$\chi^2/\text{NDF}: 700091271.4/14$	All: 140570.888 ± 0.033	$\chi^2/\text{NDF}: 207990680$
Right Out: 139661.970 ± 0.063	$\chi^2/\text{NDF}: 38372985.0/18$	- sign 140485.315 ± 0.045	$\chi^2/\text{NDF}: 902594680.2/3$
Left In: 141374.285 ± 0.066	$\chi^2/\text{NDF}: 509422241.8/13$		

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 $\pm$ 0.048 χ^2 /NDF: 1066270.8/16

Left Out: 214.823 $\pm$ 0.046 χ^2 /NDF: 208127.1/14

Right Out: 157.207 $\pm$ 0.045 χ^2 /NDF: 1245030.9/18

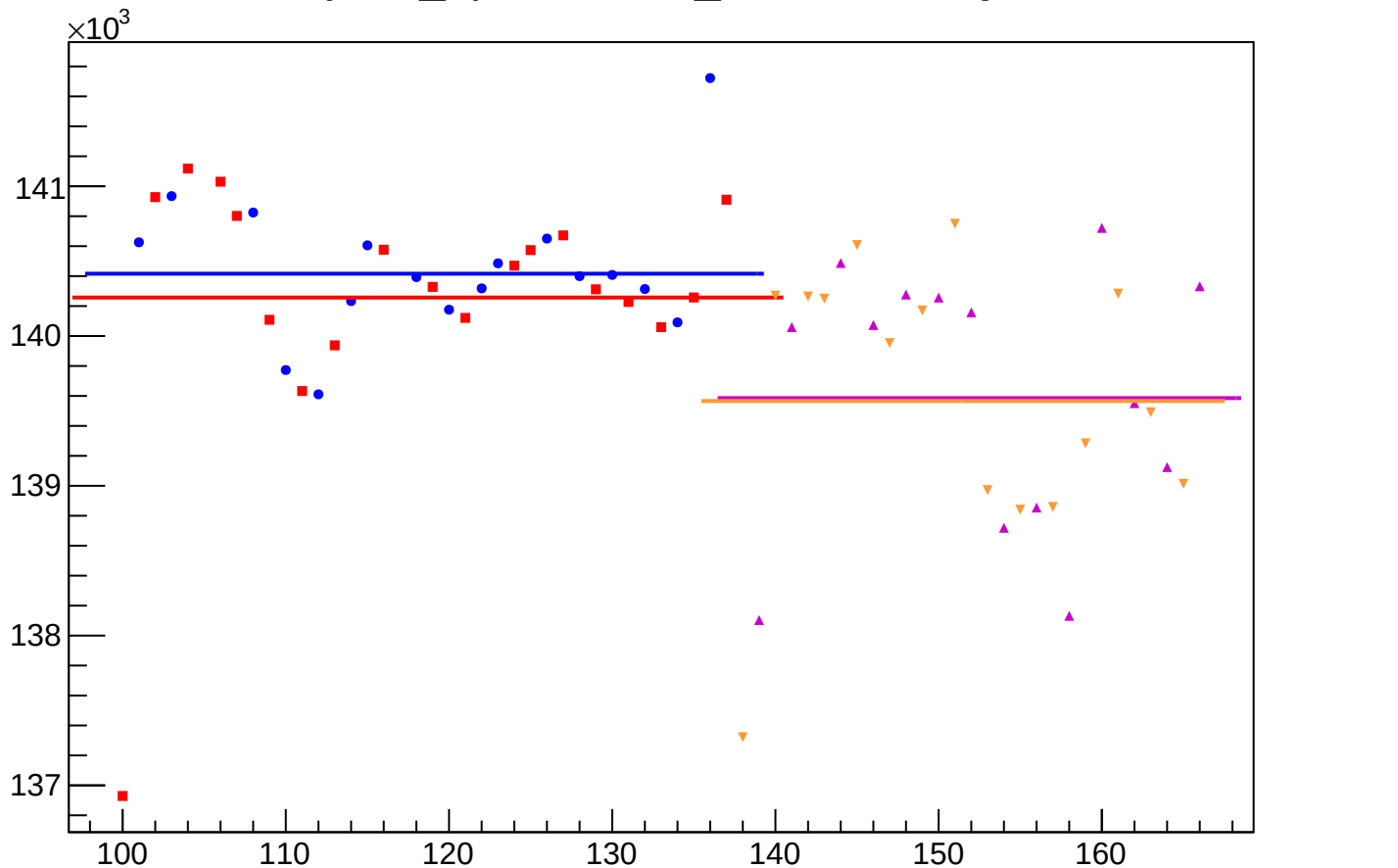
Left In: 211.957 $\pm$ 0.046 χ^2 /NDF: 281122.0/13

+ sign 190.710 $\pm$ 0.033 χ^2 /NDF: 1835921.7/31

All: 186.992 $\pm$ 0.023 χ^2 /NDF: 4111602.8/64

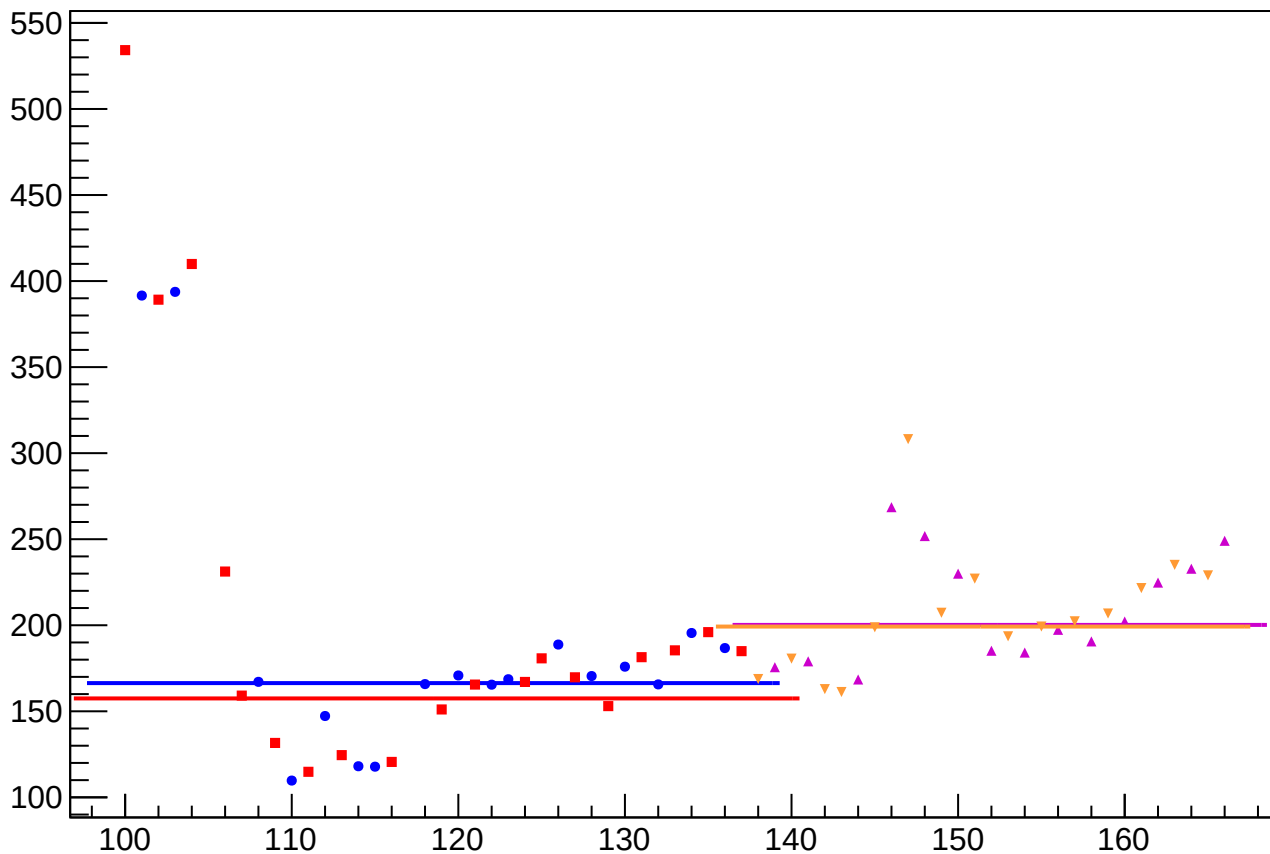
- sign 183.533 $\pm$ 0.032 χ^2 /NDF: 2251614.7/32

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 $\pm$ 0.068	χ^2 /NDF: 69975821.3/16	+ sign 139943.525 $\pm$ 0.046	χ^2 /NDF: 401643058.4/3
Left Out: 139566.145 $\pm$ 0.061	χ^2 /NDF: 245809511.9/14	All: 139928.894 $\pm$ 0.032	χ^2 /NDF: 707172518
Right Out: 140256.992 $\pm$ 0.063	χ^2 /NDF: 38063371.4/18	- sign 139915.109 $\pm$ 0.044	χ^2 /NDF: 305329285.9/3
Left In: 139585.600 $\pm$ 0.062	χ^2 /NDF: 209695993.7/13		

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 $\pm$ 0.048 χ^2 /NDF: 1080964.8/16

Left Out: 199.237 $\pm$ 0.043 χ^2 /NDF: 469725.5/14

Right Out: 157.475 $\pm$ 0.045 χ^2 /NDF: 1229886.8/18

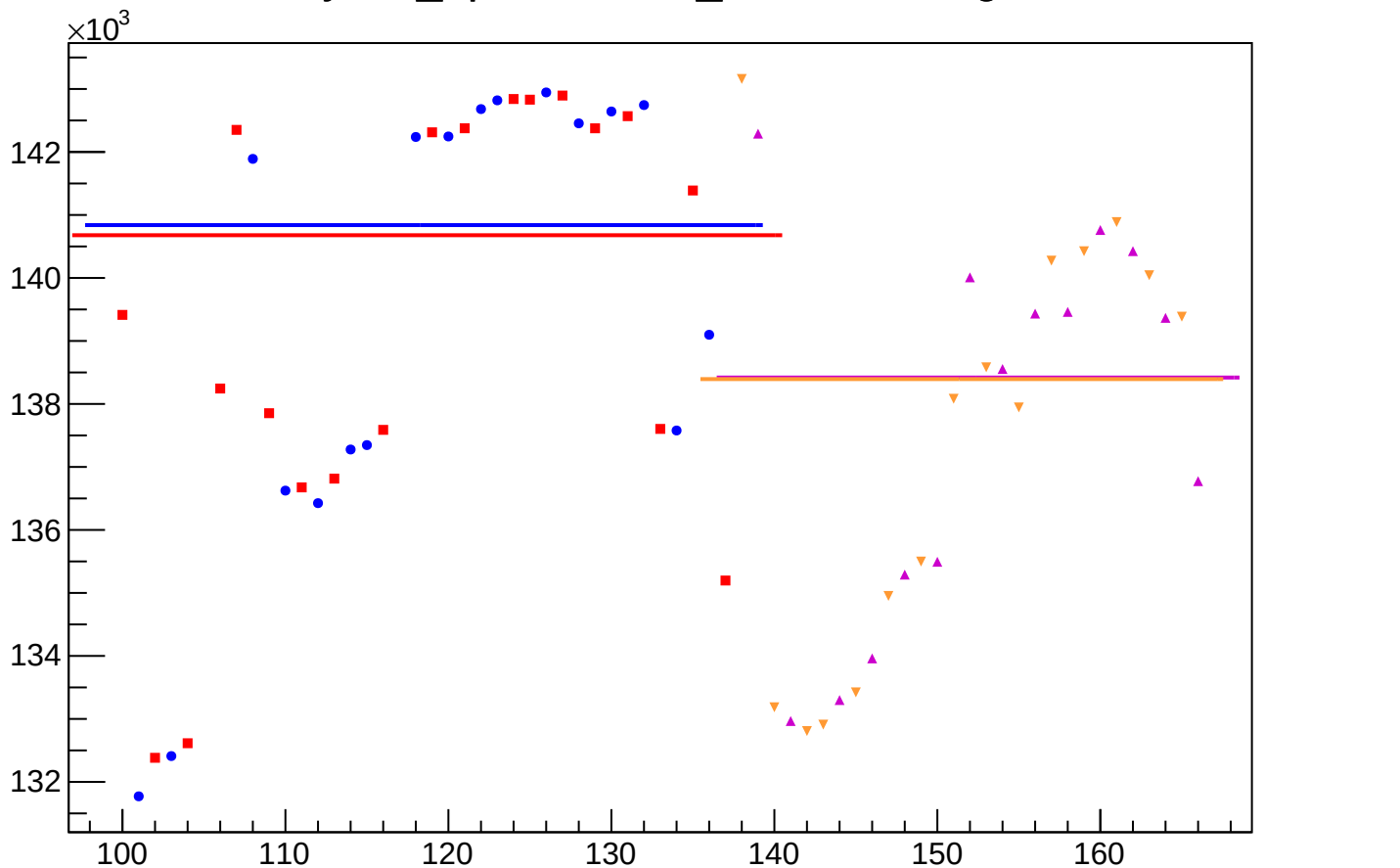
Left In: 200.197 $\pm$ 0.044 χ^2 /NDF: 415770.1/13

+ sign 184.651 $\pm$ 0.032 χ^2 /NDF: 1807199.5/31

All: 181.860 $\pm$ 0.022 χ^2 /NDF: 3933632.2/64

- sign 179.230 $\pm$ 0.031 χ^2 /NDF: 2111859.7/32

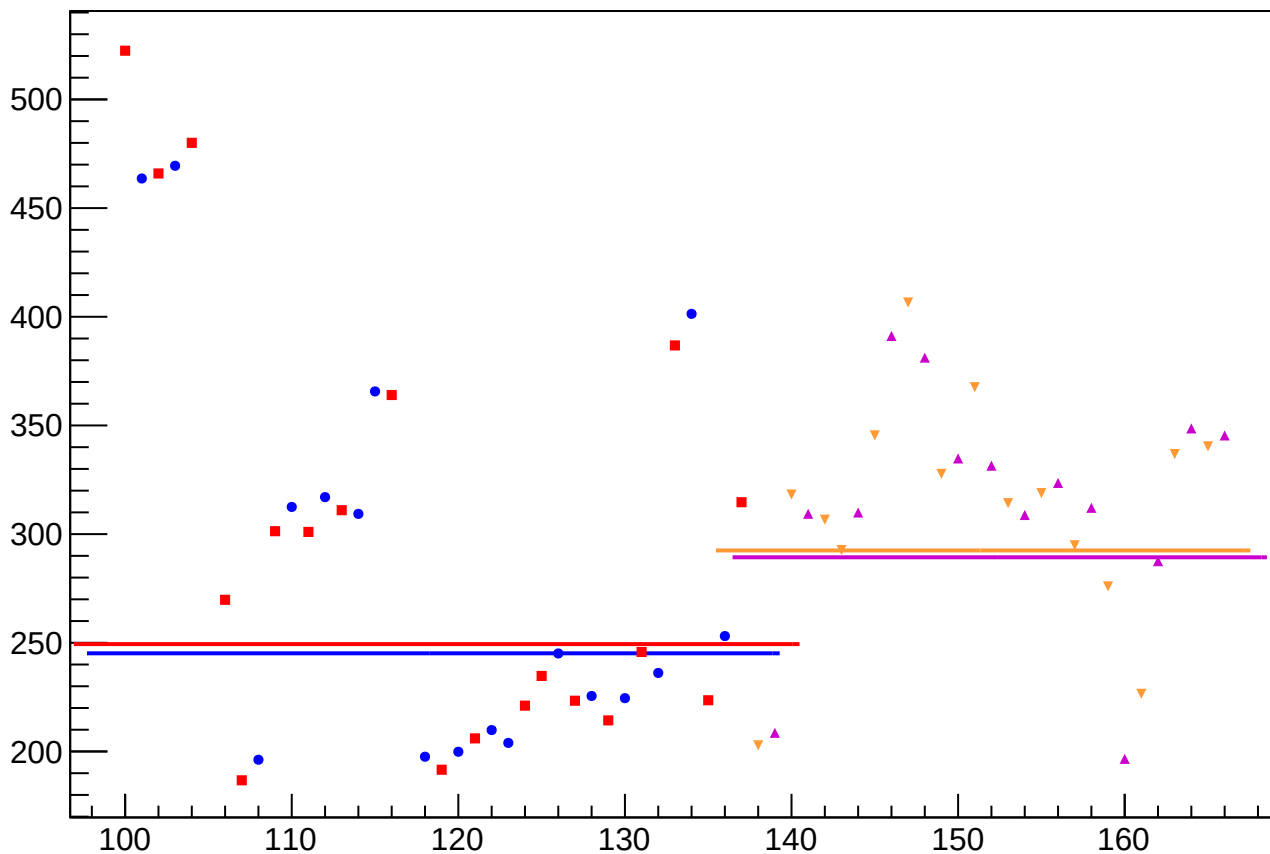
yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100 χ^2 /NDF: 822682996.3/16
 Left Out: 138394.500 $\pm$ 0.091 χ^2 /NDF: 1394986735.6/14
 Right Out: 140678.513 $\pm$ 0.099 χ^2 /NDF: 840695274.4/18
 Left In: 138419.352 $\pm$ 0.091 χ^2 /NDF: 1113348884.2/13

+ sign 139500.418 $\pm$ 0.067 χ^2 /NDF: 2544859829.3
 All: 139478.159 $\pm$ 0.048 χ^2 /NDF: 478034630
 - sign 139455.992 $\pm$ 0.067 χ^2 /NDF: 2235267933.5/

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 ± 0.071 χ^2/NDF : 869491.6/16

Left Out: 292.492 ± 0.064 χ^2/NDF : 731179.9/14

Right Out: 249.397 ± 0.070 χ^2/NDF : 1009731.2/18

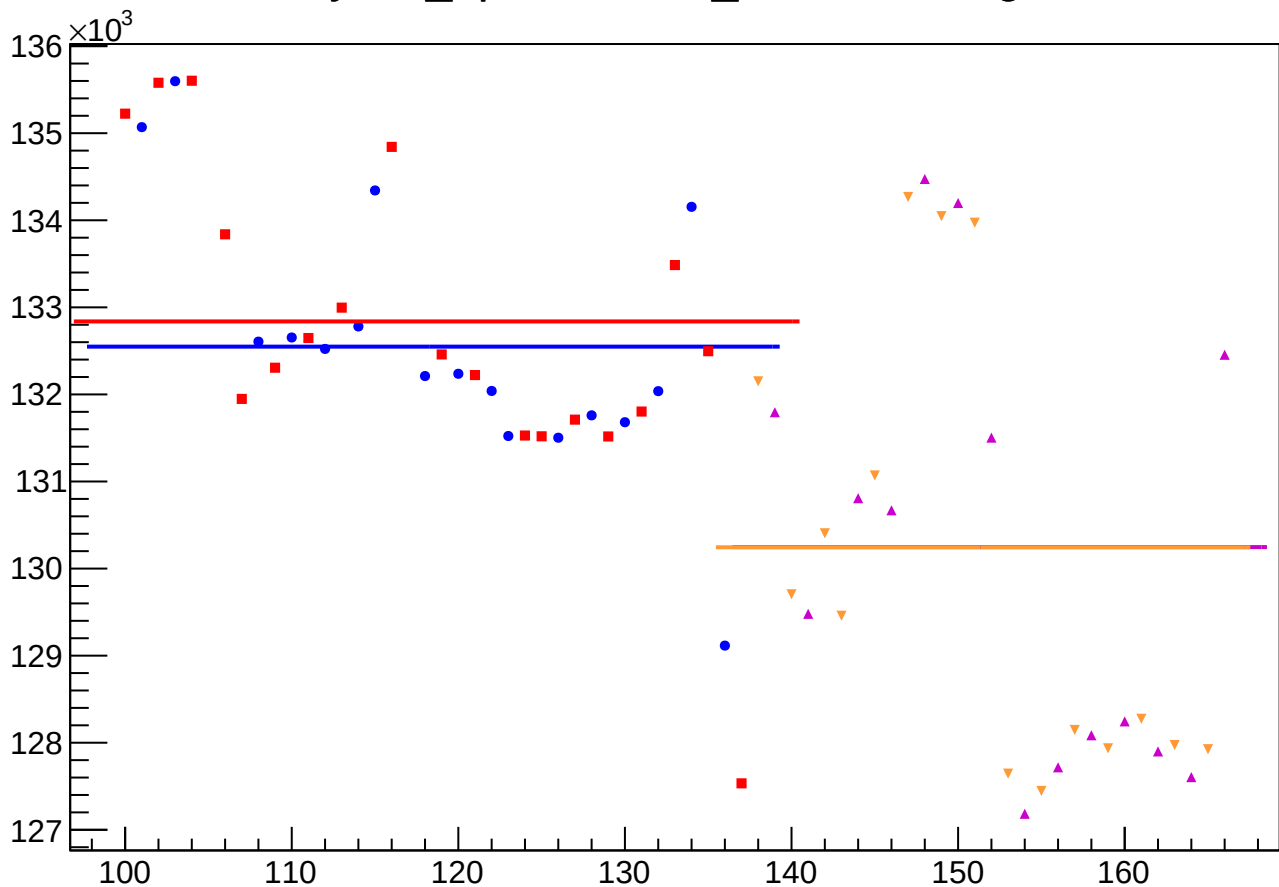
Left In: 289.335 ± 0.065 χ^2/NDF : 902111.9/13

+ sign 271.079 ± 0.048 χ^2/NDF : 1845987.4/31

All: 271.044 ± 0.034 χ^2/NDF : 3933612.0/64

- sign 271.009 ± 0.047 χ^2/NDF : 2087623.5/32

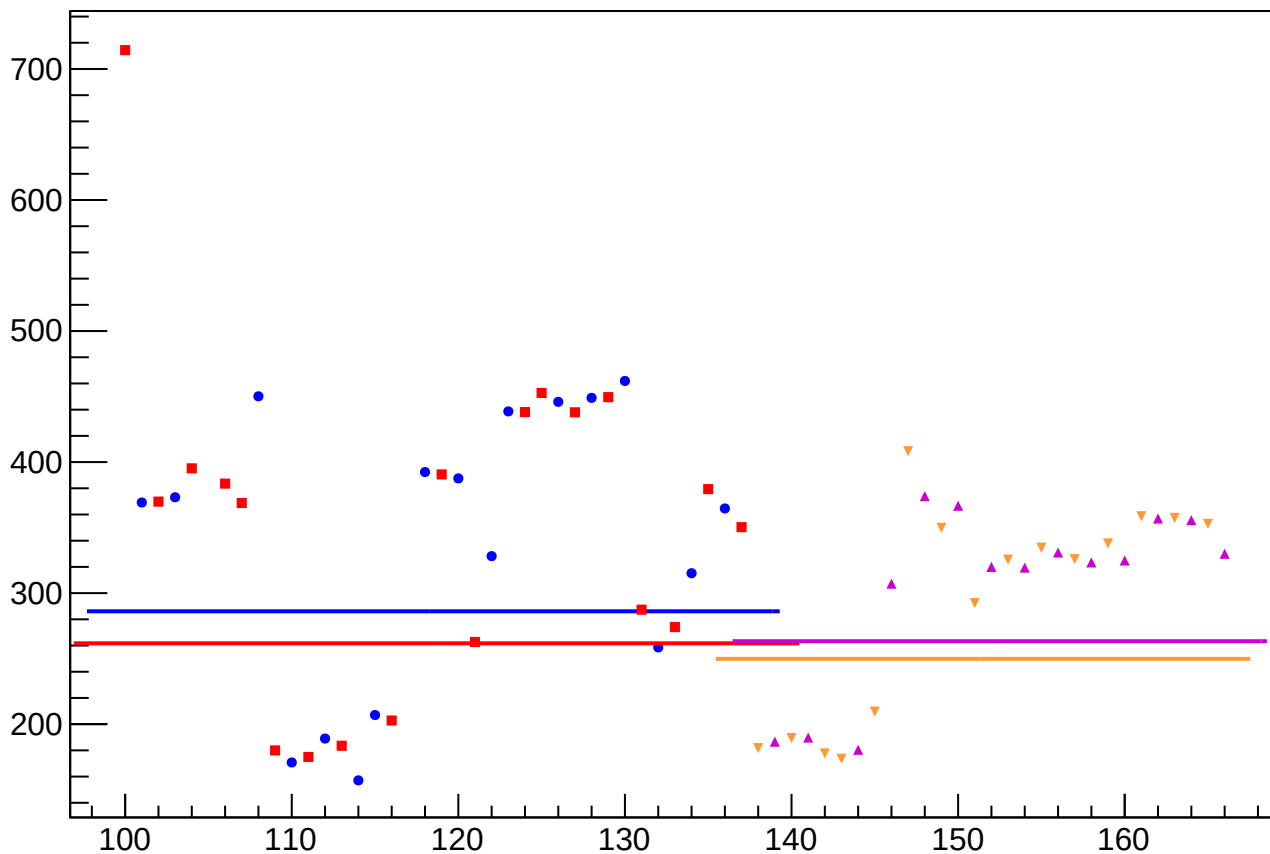
yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 ± 0.119 $\chi^2/\text{NDF}: 161115079.9/16$
 Left Out: 130244.591 ± 0.080 $\chi^2/\text{NDF}: 653285627.4/14$
 Right Out: 132838.294 ± 0.107 $\chi^2/\text{NDF}: 149611447.6/18$
 Left In: 130246.846 ± 0.084 $\chi^2/\text{NDF}: 559658399.4/13$

+ sign 130955.112 ± 0.066 $\chi^2/\text{NDF}: 1072131321.9$
 All: 131096.445 ± 0.047 $\chi^2/\text{NDF}: 215214297$
 - sign 131237.493 ± 0.066 $\chi^2/\text{NDF}: 1070928359.4$

yield_bpm0r05WS_rms vs Slug



Right In: 286.122+/-0.084 χ^2/NDF : 1525266.4/16

Left Out: 249.822+/-0.056 χ^2/NDF :1933738.7/14

Right Out: 261.686+/-0.076 χ^2/NDF : 1623174.1/18

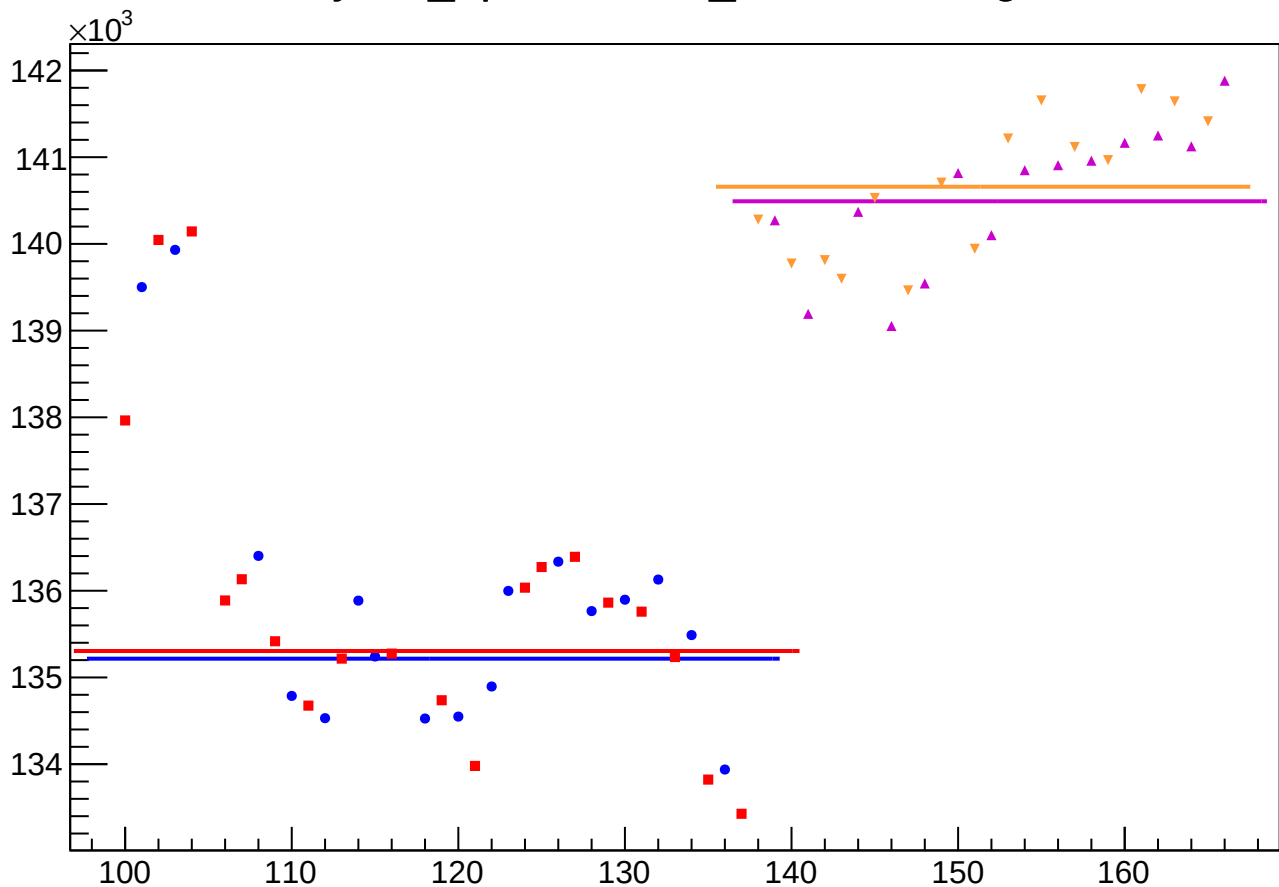
Left In: 263.309+/-0.060 χ^2/NDF :1632987.9/13

+ sign 261.015+/-0.047 χ^2/NDF : 3586924.8/31

All: 261.853+/-0.033 χ^2/NDF : 6844008.4/64

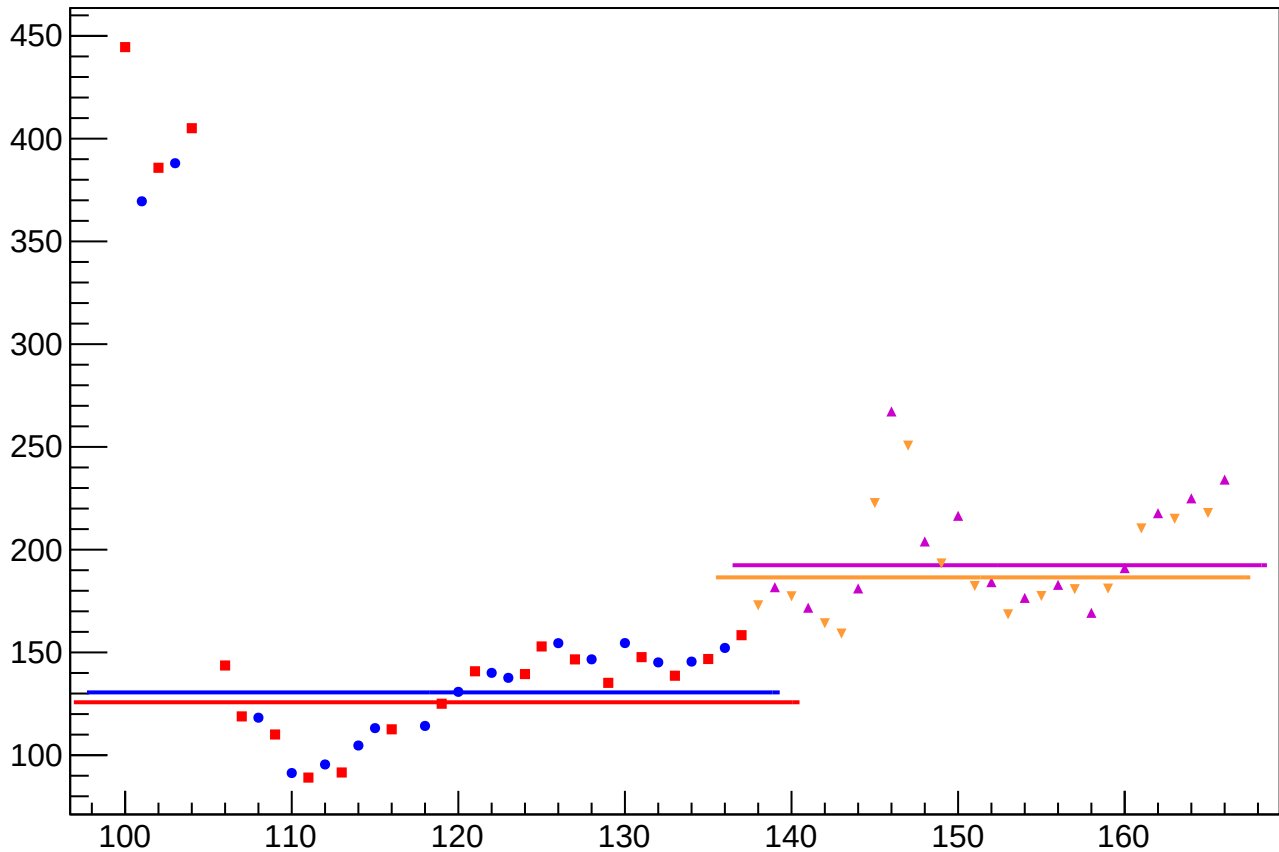
- sign 262.689+/-0.047 χ^2/NDF : 3256445.5/32

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054	χ^2 /NDF: 371347707.3/16	+ sign 137802.974 $\pm$ 0.039	χ^2 /NDF: 5311983685.8
Left Out: 140659.154 $\pm$ 0.057	χ^2 /NDF: 176310773.1/14	All: 137652.709 $\pm$ 0.028	χ^2 /NDF: 10213879
Right Out: 135305.135 $\pm$ 0.051	χ^2 /NDF: 357636841.6/18	- sign 137506.845 $\pm$ 0.039	χ^2 /NDF: 4873196809.3/
Left In: 140491.369 $\pm$ 0.060	χ^2 /NDF: 149738357.7/13		

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 186.521 $\pm$ 0.040 χ^2 /NDF: 300194.1/14

Right Out: 125.746 $\pm$ 0.036 χ^2 /NDF: 1440002.5/18

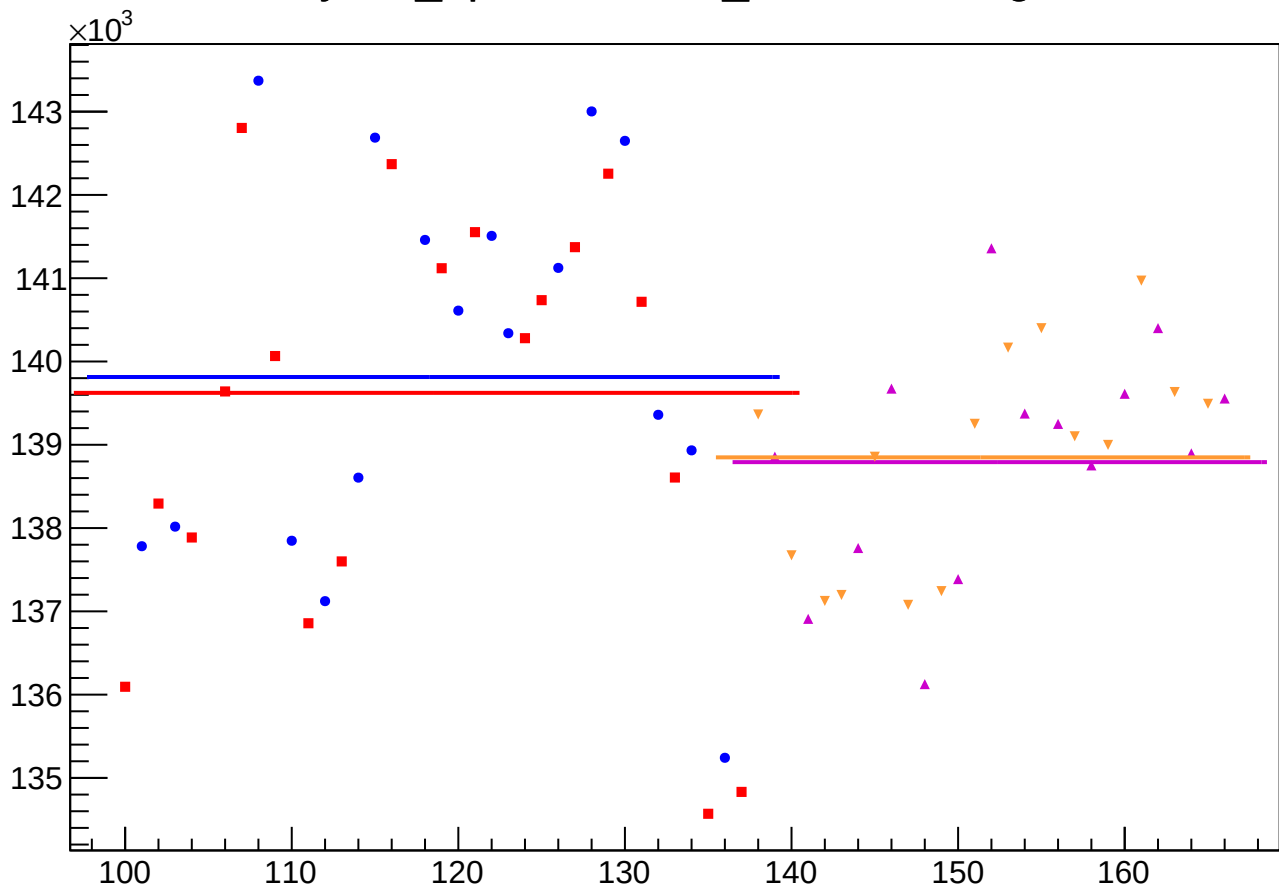
Left In: 192.427 $\pm$ 0.042 χ^2 /NDF: 308193.6/13

+ sign 157.149 $\pm$ 0.028 χ^2 /NDF: 2680988.6/31

All: 155.578 $\pm$ 0.020 χ^2 /NDF: 5878917.2/64

- sign 154.054 $\pm$ 0.027 χ^2 /NDF: 3191658.3/32

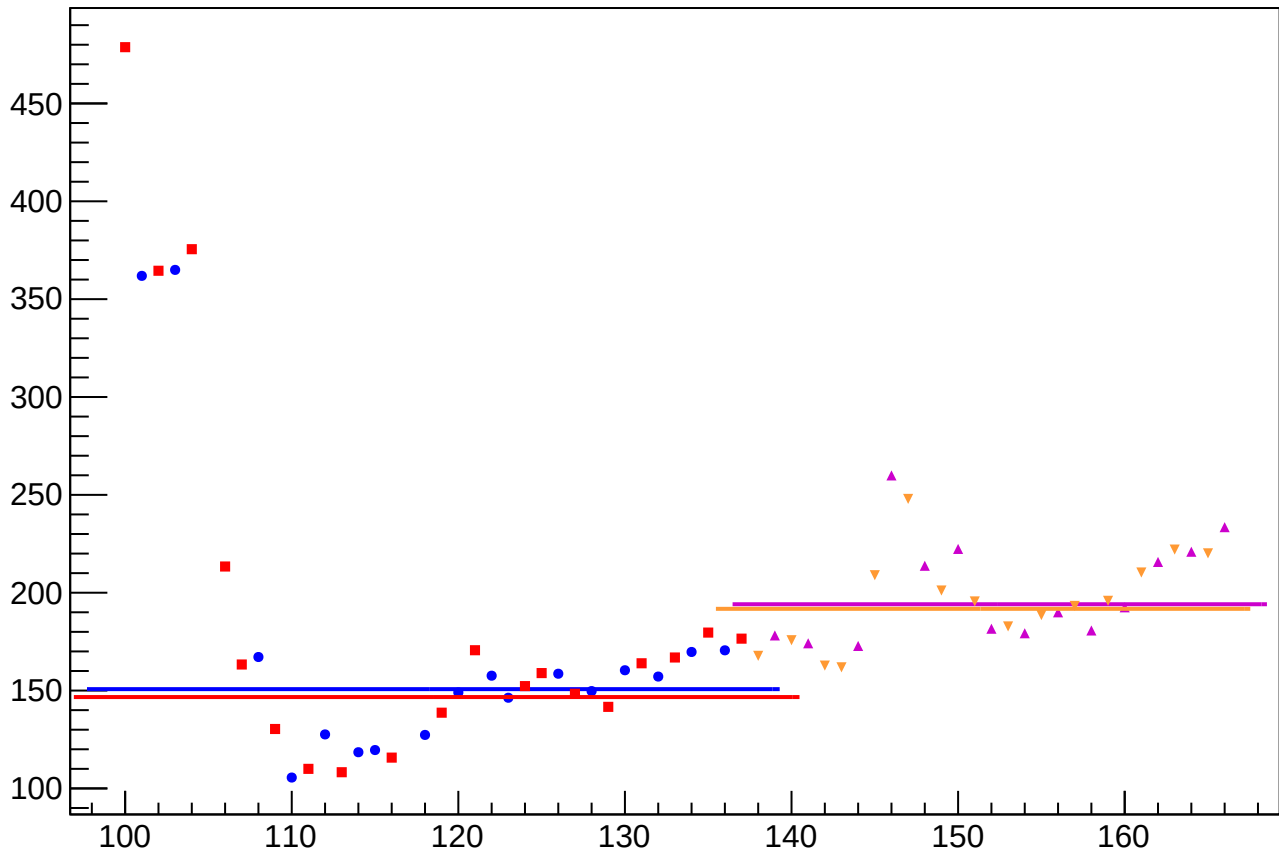
yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16
 Left Out: 138848.981 $\pm$ 0.059 χ^2 /NDF: 433867978.3/14
 Right Out: 139623.387 $\pm$ 0.059 χ^2 /NDF: 1505731109.1/18
 Left In: 138791.601 $\pm$ 0.060 χ^2 /NDF: 523920220.6/13

+ sign 139306.690 $\pm$ 0.043 χ^2 /NDF: 2251281964.2
 All: 139260.300 $\pm$ 0.030 χ^2 /NDF: 438076999
 - sign 139215.081 $\pm$ 0.042 χ^2 /NDF: 2127152106.6

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733 $\pm$ 0.044 χ^2 /NDF: 1050071.6/16

Left Out: 191.769 $\pm$ 0.042 χ^2 /NDF:268343.9/14

Right Out: 146.686 $\pm$ 0.042 χ^2 /NDF: 1203106.6/18

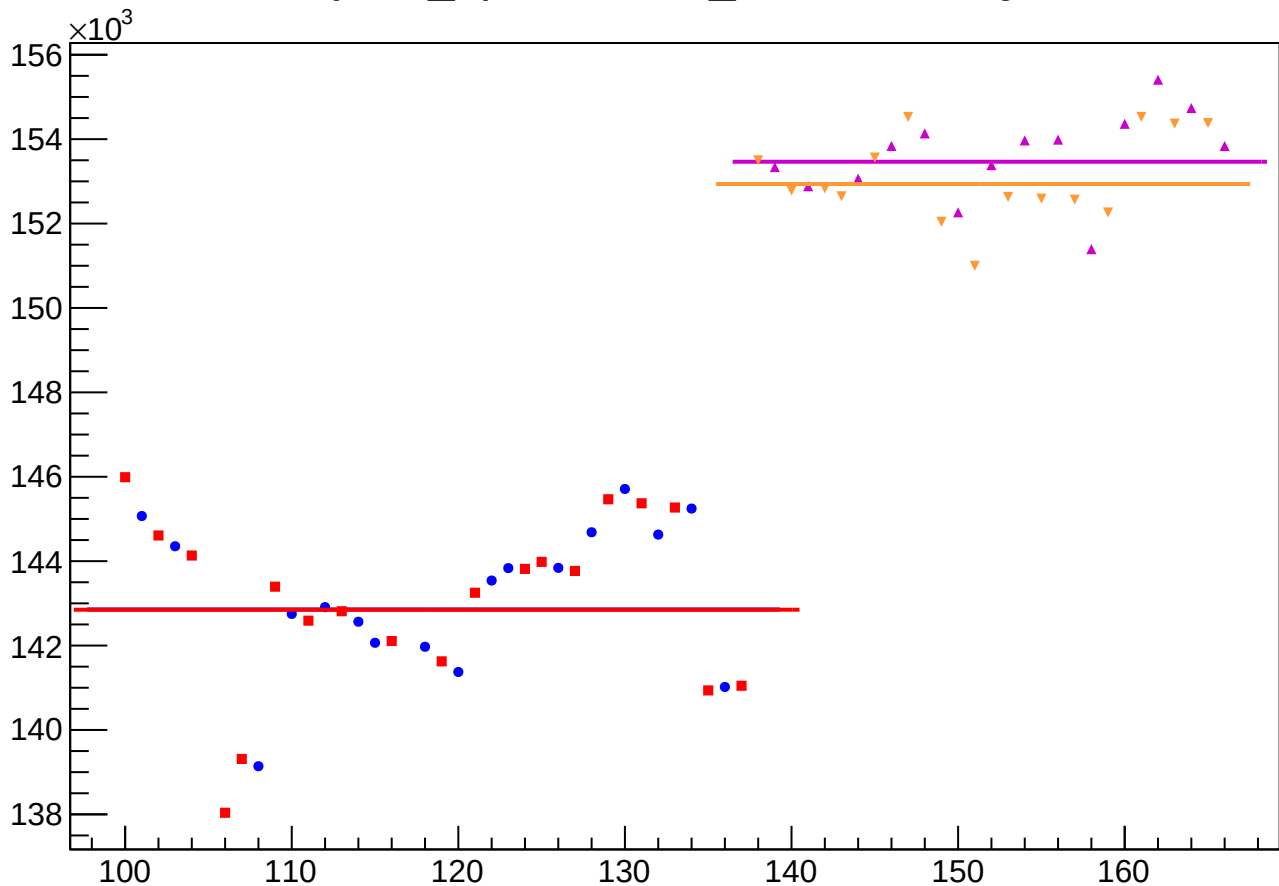
Left In: 194.113 $\pm$ 0.043 χ^2 /NDF:288501.2/13

+ sign 172.299 $\pm$ 0.030 χ^2 /NDF: 1780010.9/31

All: 171.118 $\pm$ 0.021 χ^2 /NDF: 3908625.4/64

- sign 169.967 $\pm$ 0.030 χ^2 /NDF: 2125587.5/32

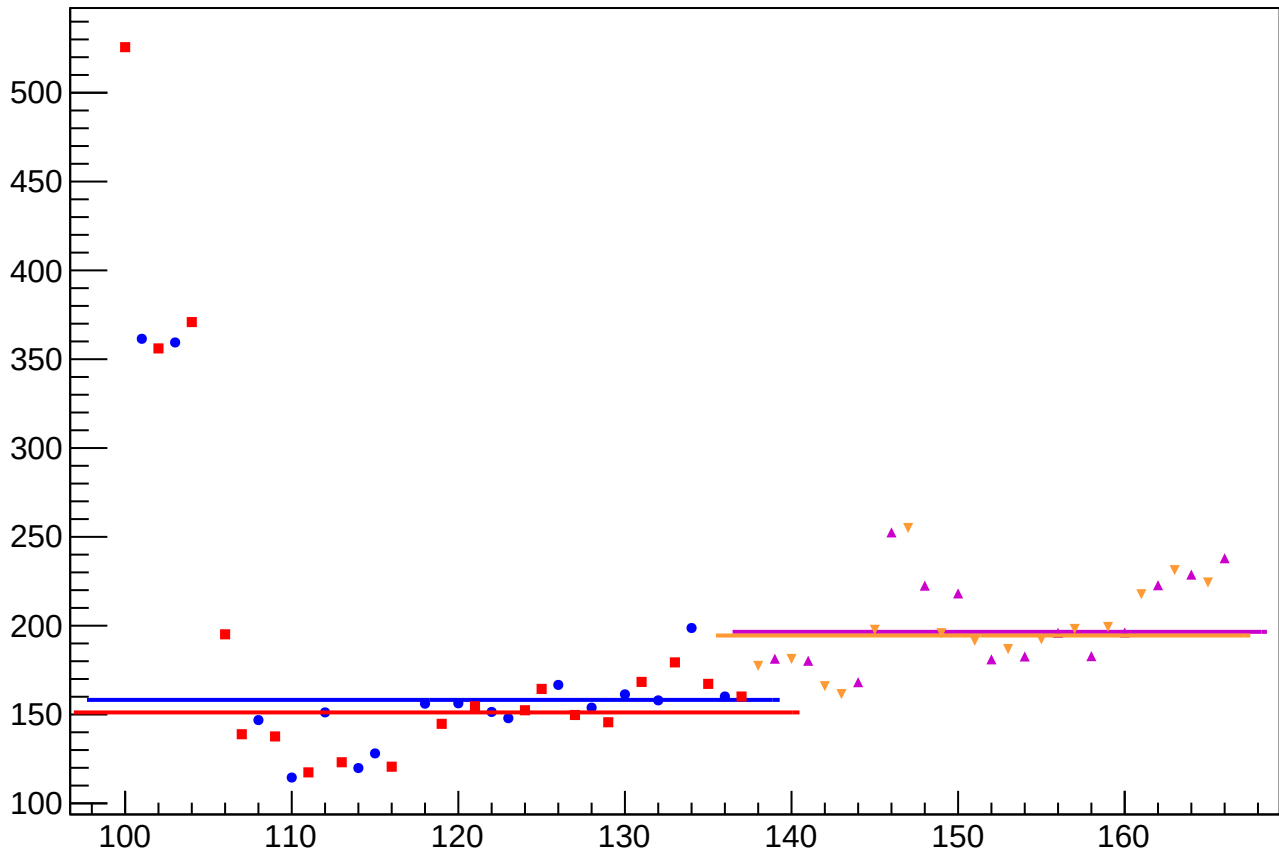
yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 ± 0.065 $\chi^2/\text{NDF}: 740367386.5/16$
 Left Out: 152936.526 ± 0.060 $\chi^2/\text{NDF}: 252042294.8/14$
 Right Out: 142849.362 ± 0.060 $\chi^2/\text{NDF}: 850066807.5/18$
 Left In: 153464.870 ± 0.061 $\chi^2/\text{NDF}: 257892133.9/13$

+ sign 148307.429 ± 0.044 $\chi^2/\text{NDF}: 14141672461.$
 All: 148213.518 ± 0.031 $\chi^2/\text{NDF}: 306081619$
 - sign 148123.737 ± 0.043 $\chi^2/\text{NDF}: 16457503467.1$

yield_bpm0i05WS_rms vs Slug



Right In: 158.233 ± 0.046 χ^2/NDF : 883513.4/16

Left Out: 194.466 ± 0.042 χ^2/NDF : 266915.0/14

Right Out: 151.174 ± 0.043 χ^2/NDF : 1003301.6/18

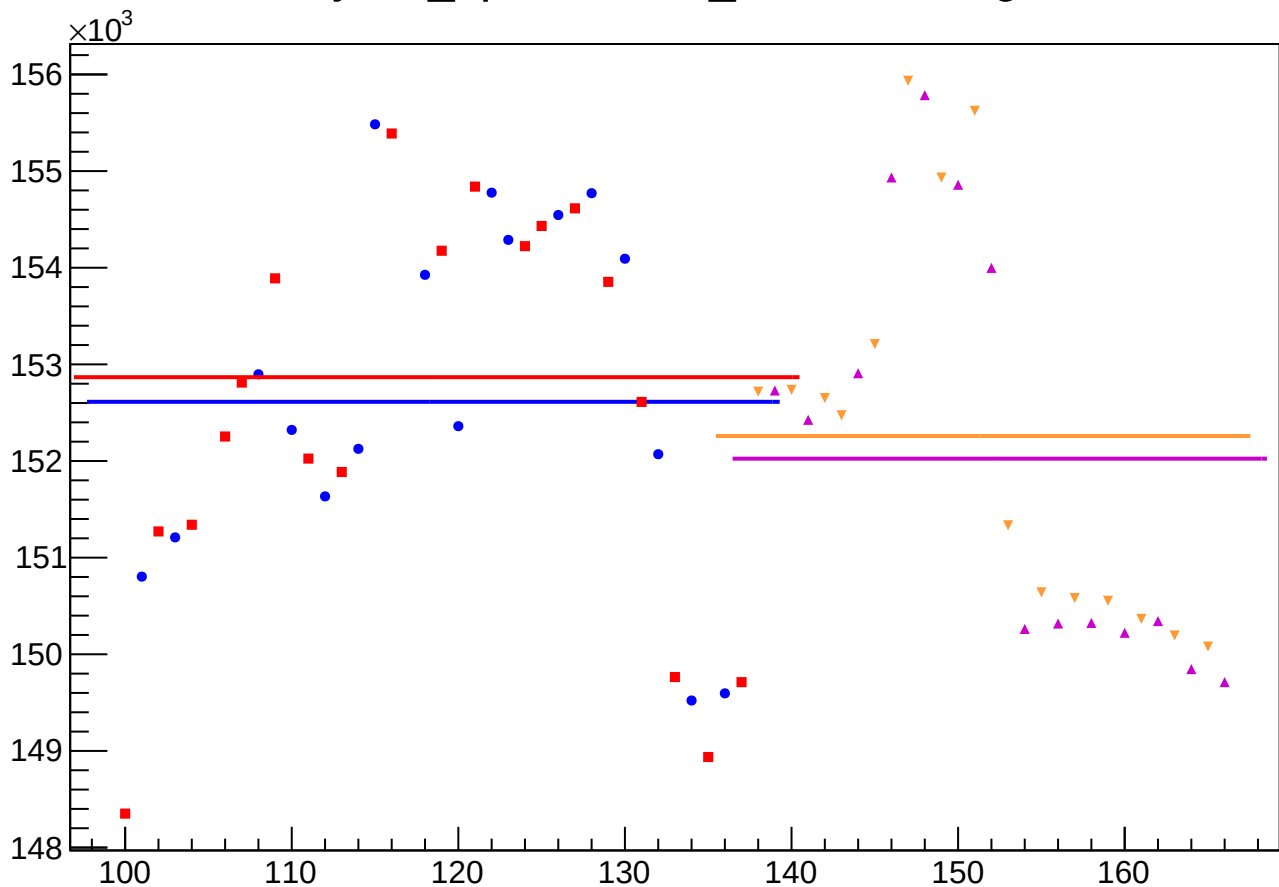
Left In: 196.535 ± 0.043 χ^2/NDF : 293018.0/13

+ sign 177.830 ± 0.031 χ^2/NDF : 1490076.7/31

All: 175.725 ± 0.022 χ^2/NDF : 3355980.1/64

- sign 173.712 ± 0.030 χ^2/NDF : 1856872.1/32

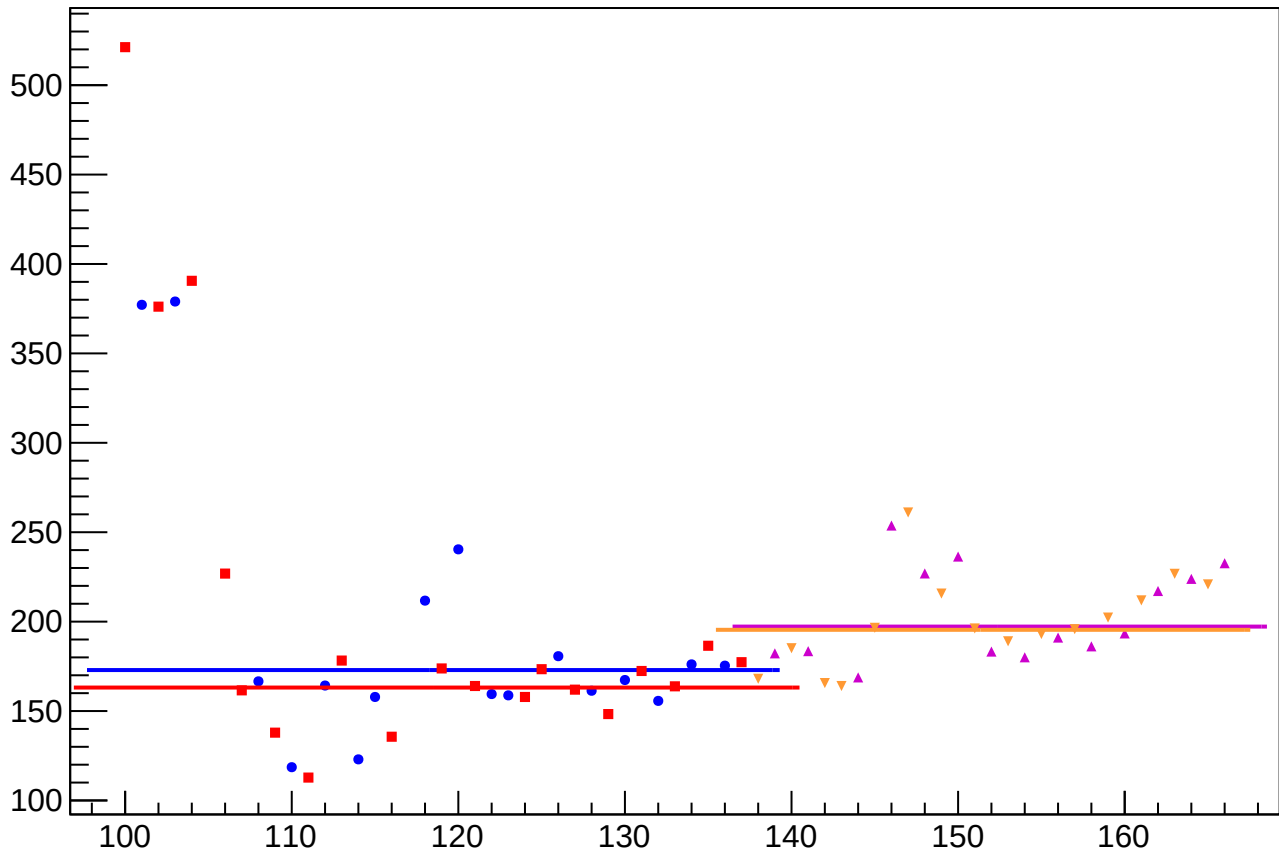
yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16
 Left Out: 152258.325 $\pm$ 0.060 χ^2 /NDF: 908503255.1/14
 Right Out: 152867.453 $\pm$ 0.066 χ^2 /NDF: 719075986.4/18
 Left In: 152024.405 $\pm$ 0.061 χ^2 /NDF: 1002588594.5/13

+ sign 152402.003 $\pm$ 0.046 χ^2 /NDF: 1544244093.7
 All: 152406.245 $\pm$ 0.032 χ^2 /NDF: 335382917
 - sign 152410.275 $\pm$ 0.045 χ^2 /NDF: 1809568473.1

yield_bpm0i07WS_rms vs Slug



Right In: 172.921 ± 0.051 χ^2/NDF : 941954.0/16

Left Out: 195.426 ± 0.042 χ^2/NDF : 286583.8/14

Right Out: 163.138 ± 0.047 χ^2/NDF : 1033751.2/18

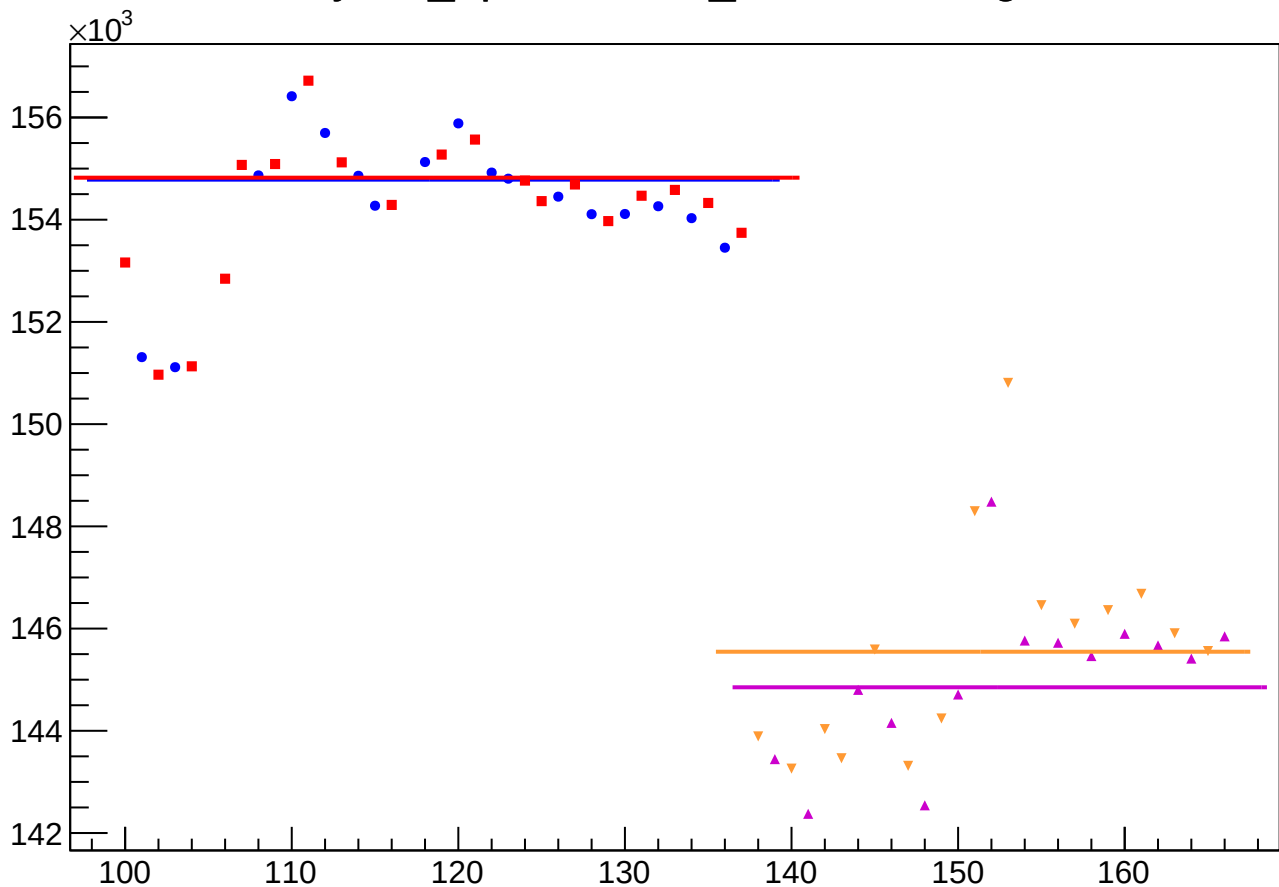
Left In: 197.227 ± 0.043 χ^2/NDF : 305145.5/13

+ sign 186.298 ± 0.032 χ^2/NDF : 1344154.9/31

All: 183.902 ± 0.023 χ^2/NDF : 2981110.3/64

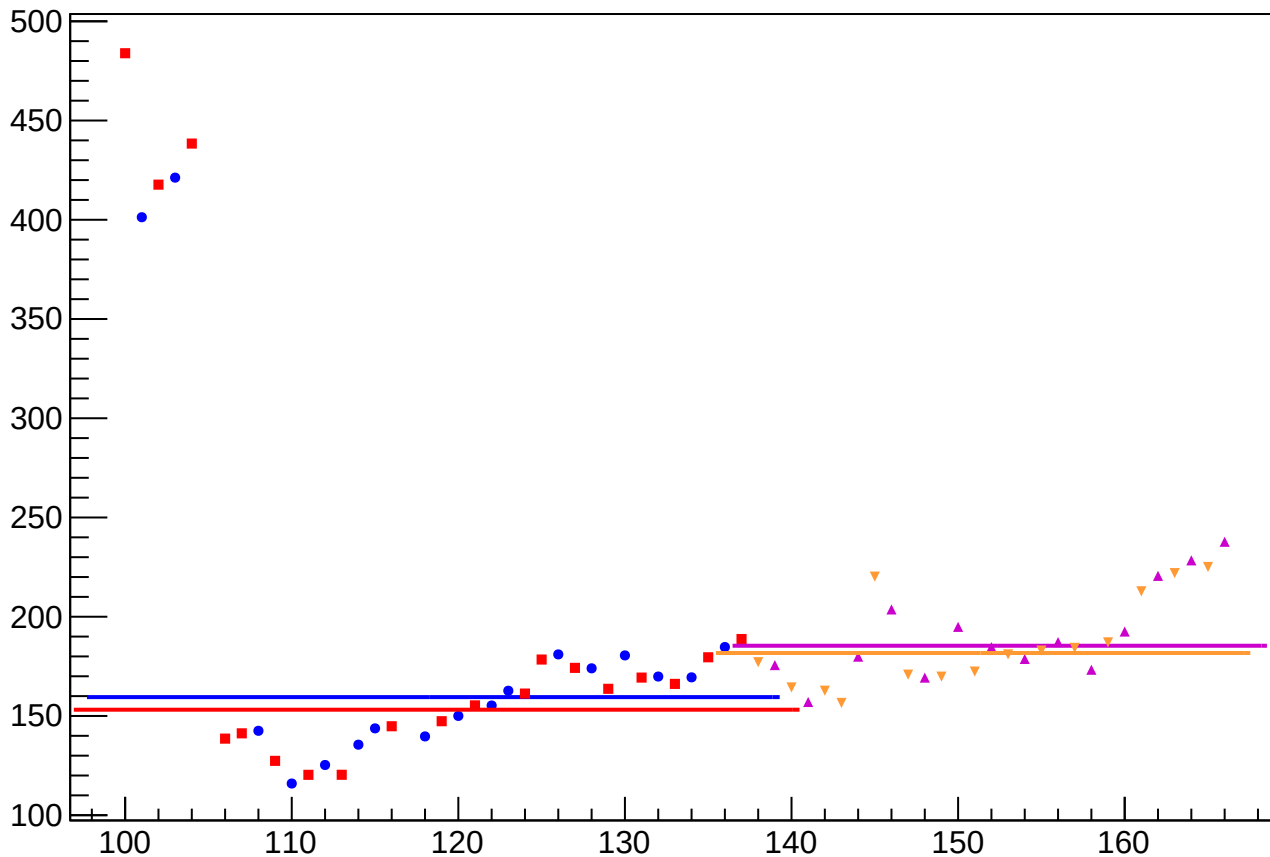
- sign 181.624 ± 0.032 χ^2/NDF : 1626348.1/32

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16
 Left Out: 145547.161 $\pm$ 0.055 χ^2 /NDF: 1481720052.6/14
 Right Out: 154822.113 $\pm$ 0.061 χ^2 /NDF: 293850525.9/18
 Left In: 144851.238 $\pm$ 0.057 χ^2 /NDF: 822202968.3/13
 + sign 149397.886 $\pm$ 0.042 χ^2 /NDF: 13390222243.
 All: 149450.926 $\pm$ 0.030 χ^2 /NDF: 288167507.
 - sign 149502.418 $\pm$ 0.042 χ^2 /NDF: 15423416042.1

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 ± 0.046 χ^2/NDF : 1131844.5/16

Left Out: 181.725 ± 0.039 χ^2/NDF : 255917.7/14

Right Out: 153.153 ± 0.043 χ^2/NDF : 1173739.7/18

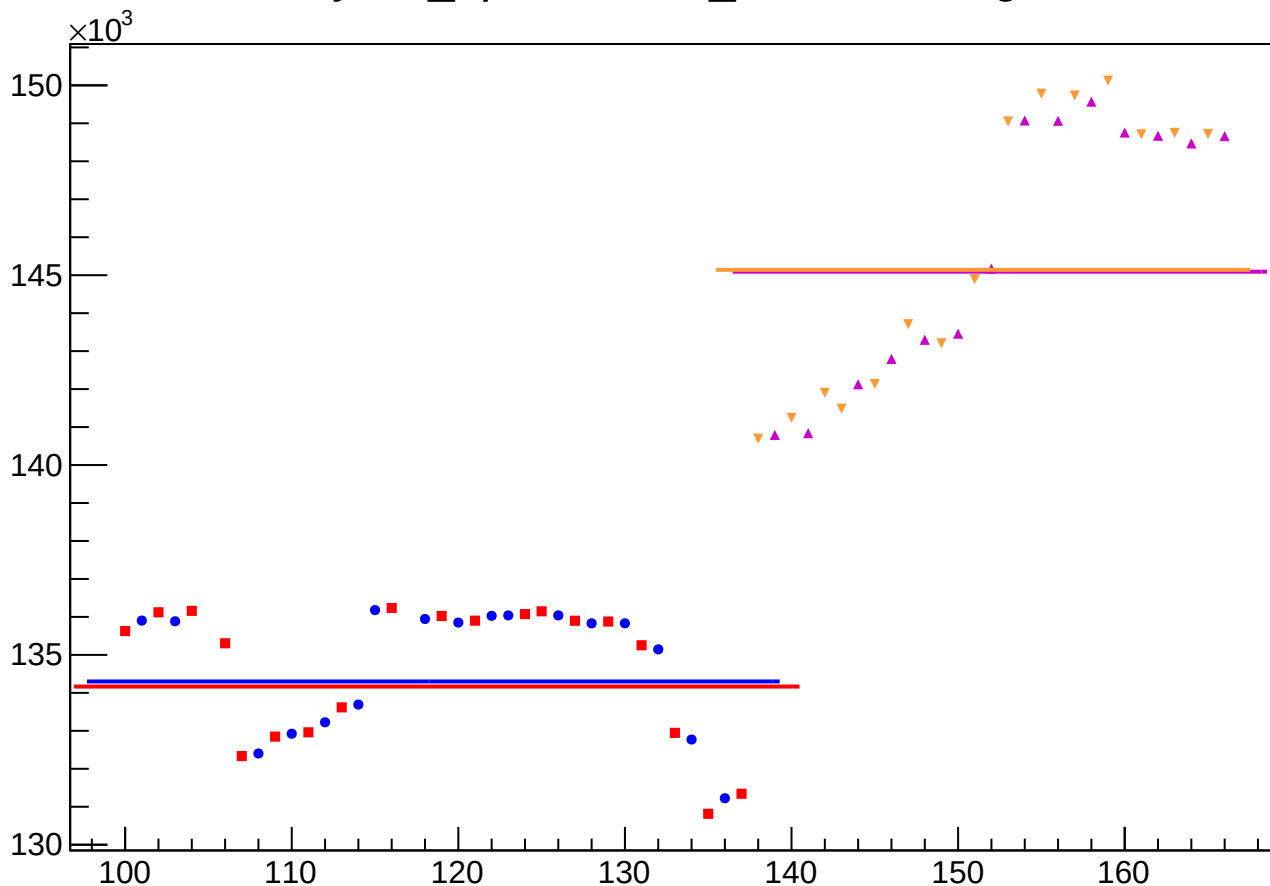
Left In: 185.382 ± 0.040 χ^2/NDF : 237498.5/13

+ sign 172.461 ± 0.030 χ^2/NDF : 1522530.3/31

All: 171.389 ± 0.021 χ^2/NDF : 3235270.8/64

- sign 170.348 ± 0.029 χ^2/NDF : 1710197.4/32

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2/NDF : 1149581803.2/16

Left Out: 145141.142 $\pm$ 0.056 χ^2/NDF : 4086040074.4/14

Right Out: 134165.615 $\pm$ 0.047 χ^2/NDF : 1211471052.4/18

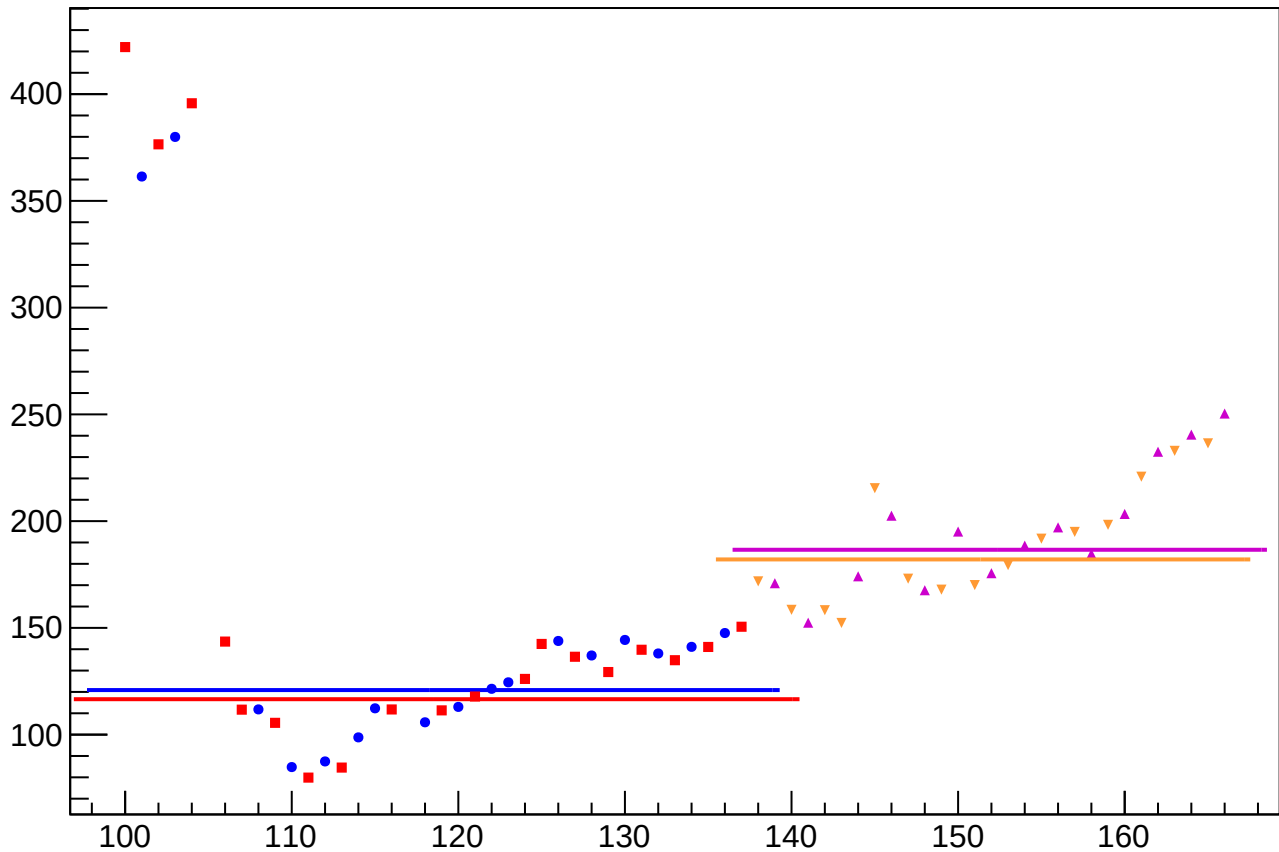
Left In: 145092.699 $\pm$ 0.058 χ^2/NDF : 3402343160.1/13

+ sign 139189.252 $\pm$ 0.037 χ^2/NDF : 26150238717.

All: 138881.353 $\pm$ 0.026 χ^2/NDF : 52399098

- sign 138585.350 $\pm$ 0.037 χ^2/NDF : 26115222444.0

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 182.062 $\pm$ 0.039 χ^2 /NDF: 370824.5/14

Right Out: 116.595 $\pm$ 0.034 χ^2 /NDF: 1541338.5/18

Left In: 186.589 $\pm$ 0.041 χ^2 /NDF: 348275.1/13

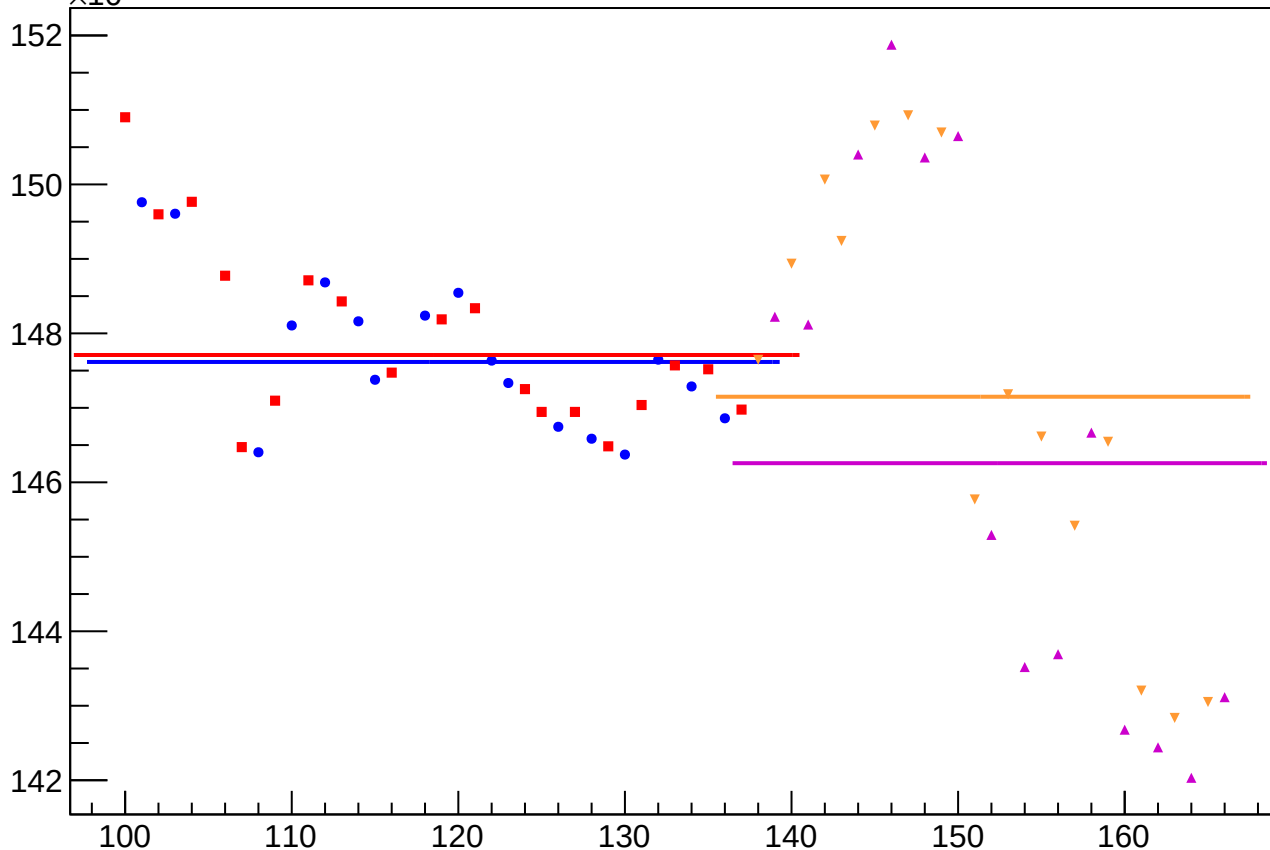
+ sign 148.468 $\pm$ 0.026 χ^2 /NDF: 3167101.2/31

All: 146.652 $\pm$ 0.018 χ^2 /NDF: 6830500.8/64

- sign 144.906 $\pm$ 0.026 χ^2 /NDF: 3654098.8/32

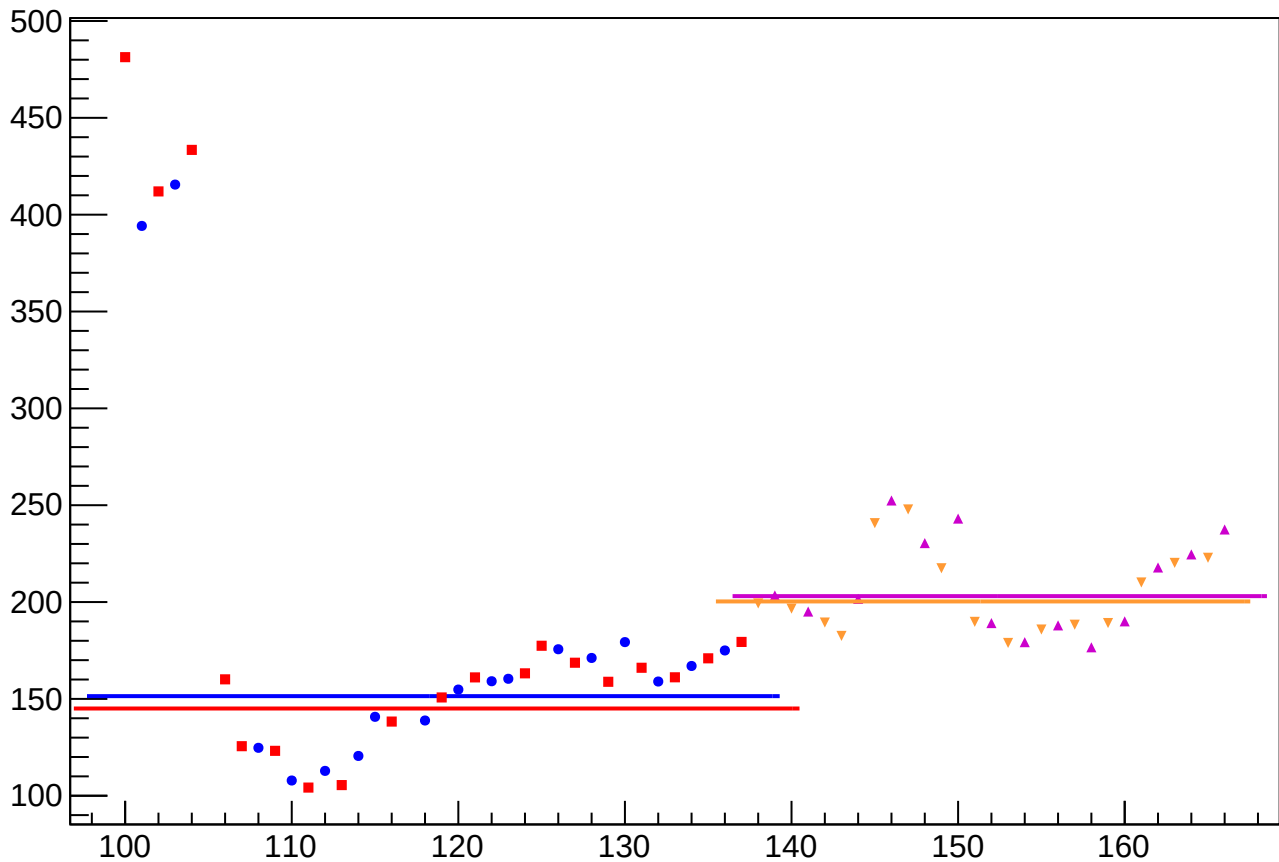
yield_bpm1i06WS_mean vs Slug

$\times 10^3$



Right In: 147616.150 ± 0.062 χ^2/NDF : 199263428.7/16
 Left Out: 147149.247 ± 0.061 χ^2/NDF : 1697227401.6/14
 Right Out: 147709.723 ± 0.058 χ^2/NDF : 203906685.9/18
 Left In: 146256.953 ± 0.062 χ^2/NDF : 2597245111.5/13

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 200.320 $\pm$ 0.043 χ^2 /NDF: 201831.4/14

Right Out: 145.039 $\pm$ 0.041 χ^2 /NDF: 1375972.0/18

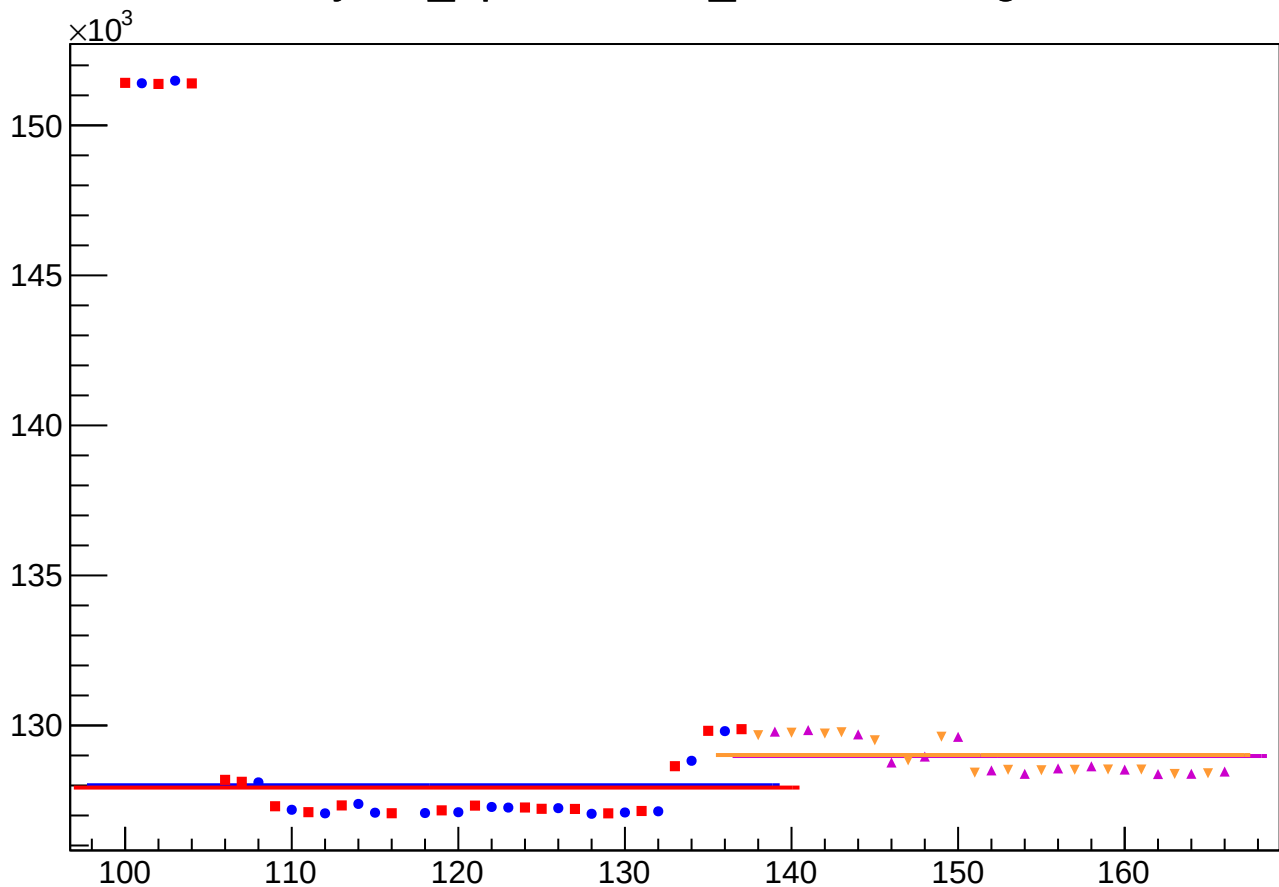
Left In: 203.056 $\pm$ 0.044 χ^2 /NDF: 264913.2/13

+ sign 176.486 $\pm$ 0.031 χ^2 /NDF: 2087429.7/31

All: 174.227 $\pm$ 0.022 χ^2 /NDF: 4660745.7/64

- sign 172.069 $\pm$ 0.030 χ^2 /NDF: 2562827.2/32

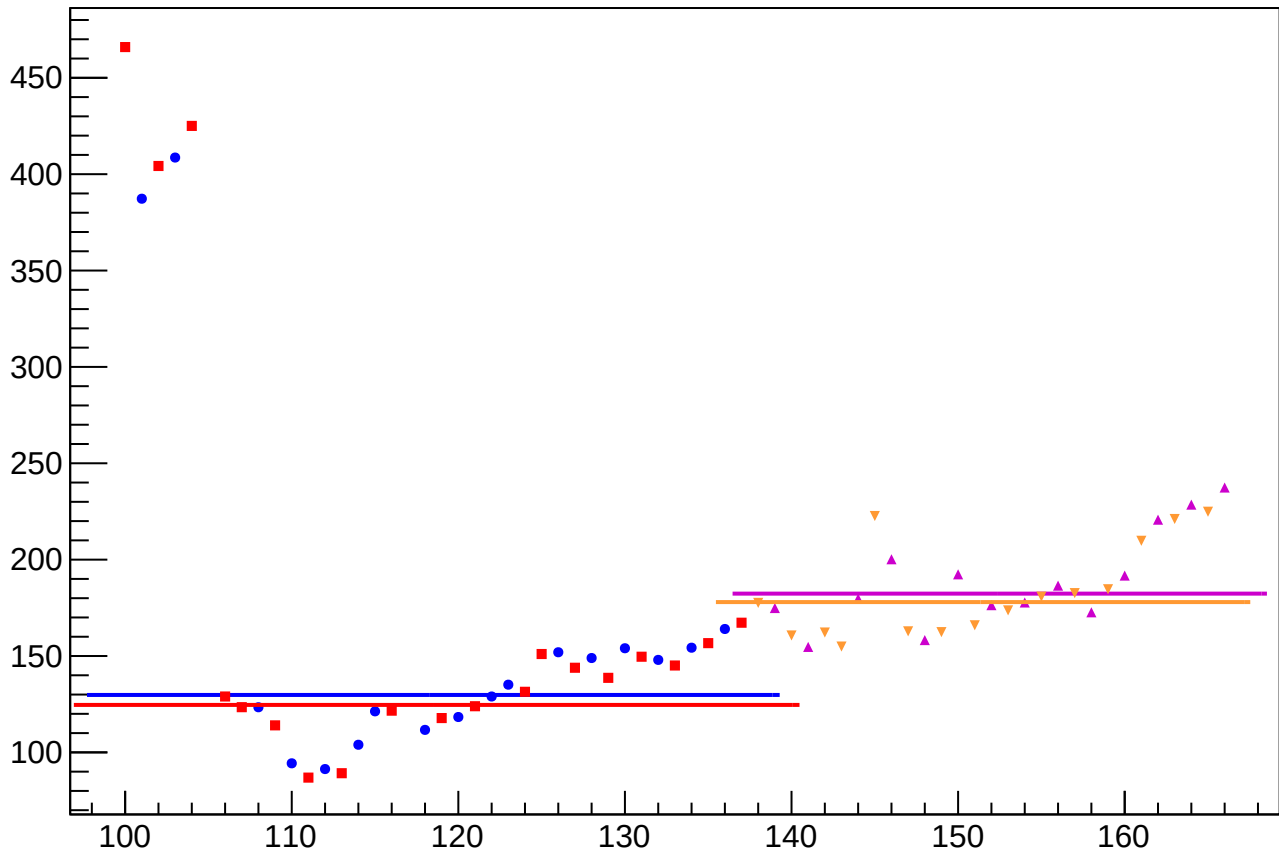
yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16
 Left Out: 129014.865 $\pm$ 0.054 χ^2 /NDF: 114332311.7/14
 Right Out: 127930.136 $\pm$ 0.050 χ^2 /NDF: 3768176193.0/18
 Left In: 128981.722 $\pm$ 0.056 χ^2 /NDF: 103506954.1/13

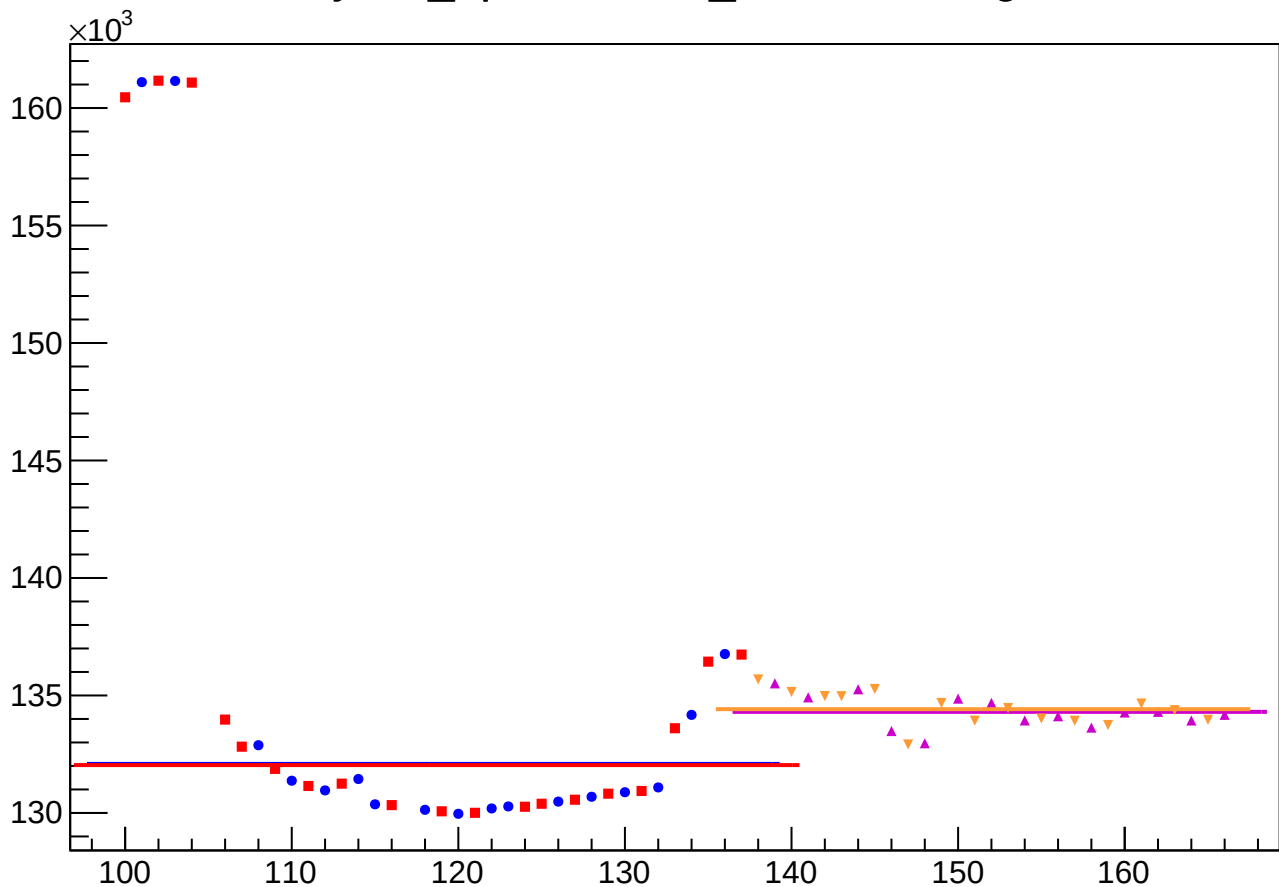
+ sign 128511.054 $\pm$ 0.038 χ^2 /NDF: 4607352578.4
 All: 128454.281 $\pm$ 0.027 χ^2 /NDF: 867794349
 - sign 128399.847 $\pm$ 0.037 χ^2 /NDF: 4066280871.3

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 $\pm$ 0.038 χ^2 /NDF: 1485294.2/16
 Left Out: 177.982 $\pm$ 0.038 χ^2 /NDF:300911.8/14
 Right Out: 124.625 $\pm$ 0.036 χ^2 /NDF: 1531827.4/18
 Left In: 182.367 $\pm$ 0.040 χ^2 /NDF:275823.6/13
 + sign 153.886 $\pm$ 0.027 χ^2 /NDF: 2578739.3/31
 All: 152.115 $\pm$ 0.019 χ^2 /NDF: 5568262.3/64
 - sign 150.417 $\pm$ 0.027 χ^2 /NDF: 2981131.9/32

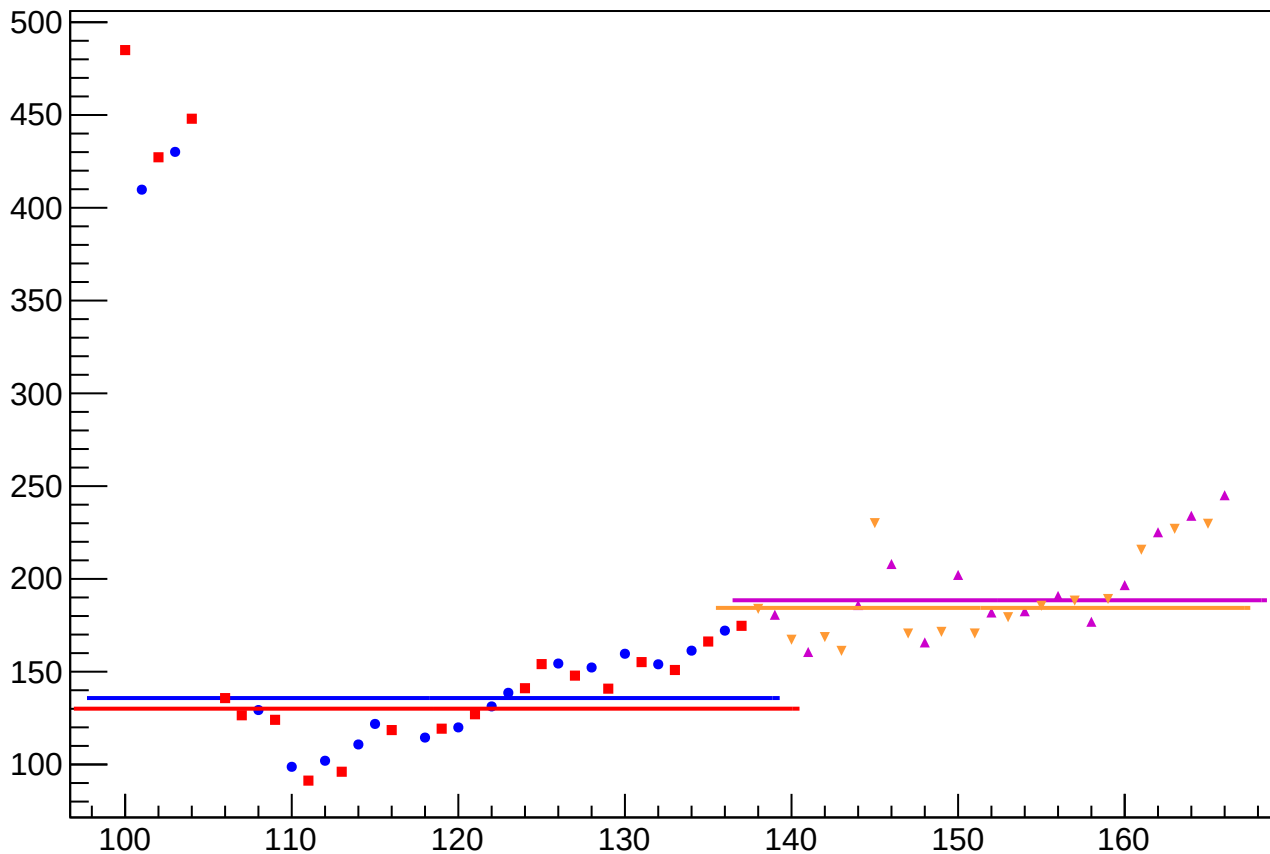
yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16
 Left Out: 134416.801 $\pm$ 0.056 χ^2 /NDF: 162829776.4/14
 Right Out: 132037.539 $\pm$ 0.053 χ^2 /NDF: 5882115872.9/18
 Left In: 134302.923 $\pm$ 0.058 χ^2 /NDF: 157217450.9/13

+ sign 133261.526 $\pm$ 0.040 χ^2 /NDF: 7752727043.7
 All: 133158.216 $\pm$ 0.028 χ^2 /NDF: 146442053
 - sign 133059.445 $\pm$ 0.039 χ^2 /NDF: 6878300217.6

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 184.379 $\pm$ 0.040 χ^2 /NDF: 274363.0/14

Right Out: 130.070 $\pm$ 0.037 χ^2 /NDF: 1503997.6/18

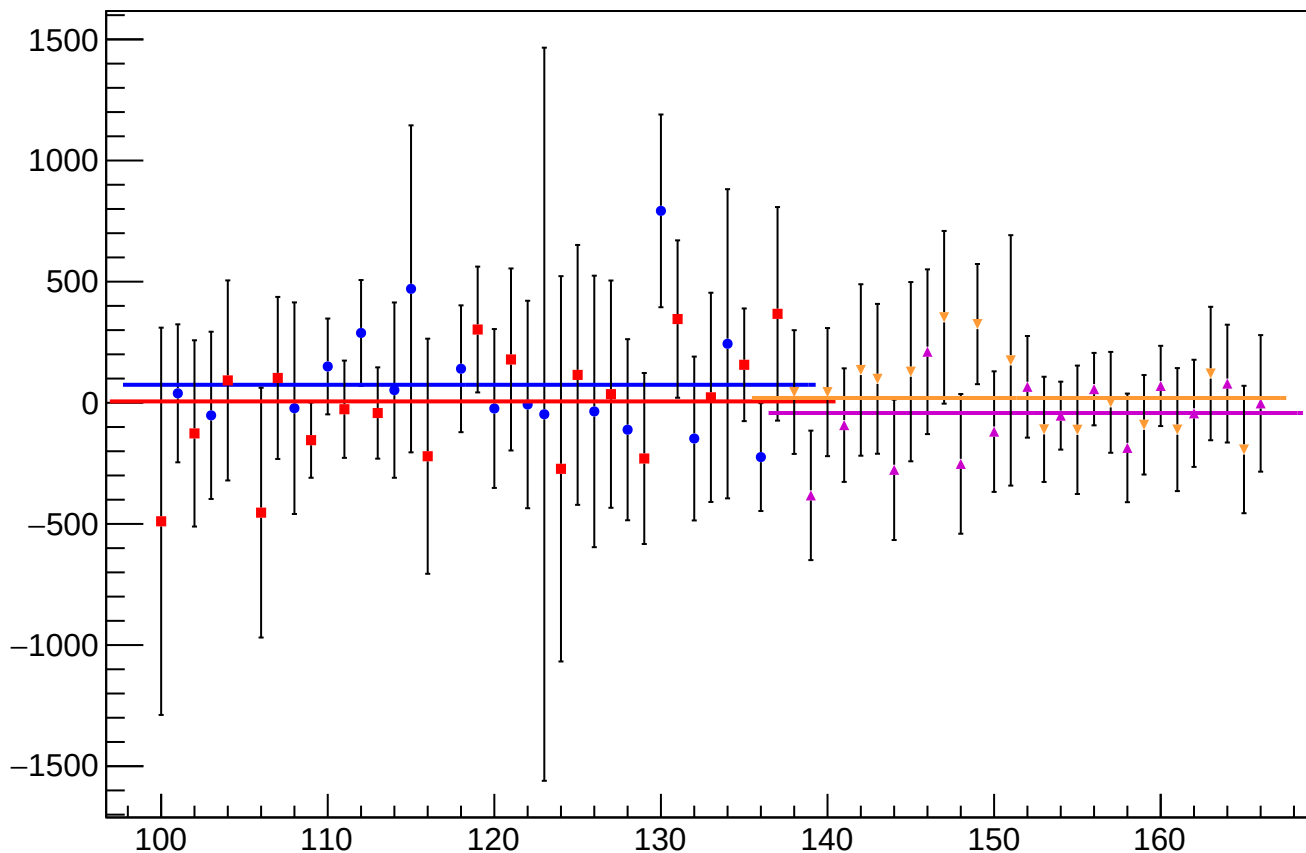
Left In: 188.490 $\pm$ 0.041 χ^2 /NDF: 261745.5/13

+ sign 160.290 $\pm$ 0.028 χ^2 /NDF: 2461153.3/31

All: 158.313 $\pm$ 0.020 χ^2 /NDF: 5352438.5/64

- sign 156.423 $\pm$ 0.028 χ^2 /NDF: 2881630.7/32

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 19.866+/-69.227 χ^2/NDF : 4.7/14

Right Out: 5.739+/-70.069 χ^2/NDF : 7.1/18

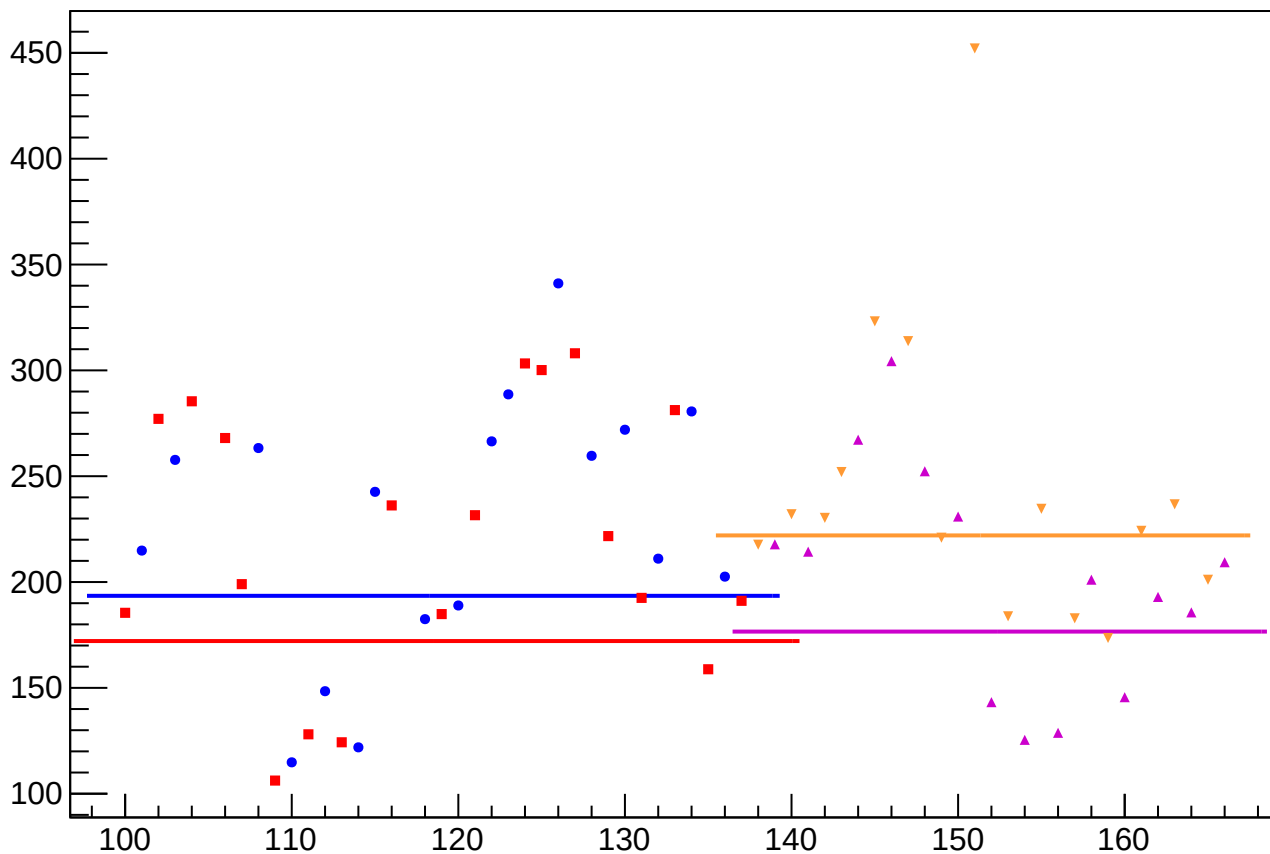
Left In: -42.132+/-57.207 χ^2/NDF : 5.3/13

+ sign 43.501+/-52.071 χ^2/NDF : 12.7/31

All: 4.942+/-33.747 χ^2/NDF : 26.3/64

- sign -22.985+/-44.314 χ^2/NDF : 12.7/32

asym_bcm_an_ds_rms vs Slug



Right In: 193.488+/-0.056 χ^2/NDF : 1017195.7/16

Left Out: 222.028+/-0.049 χ^2/NDF : 968906.3/14

Right Out: 172.122+/-0.050 χ^2/NDF : 1579840.2/18

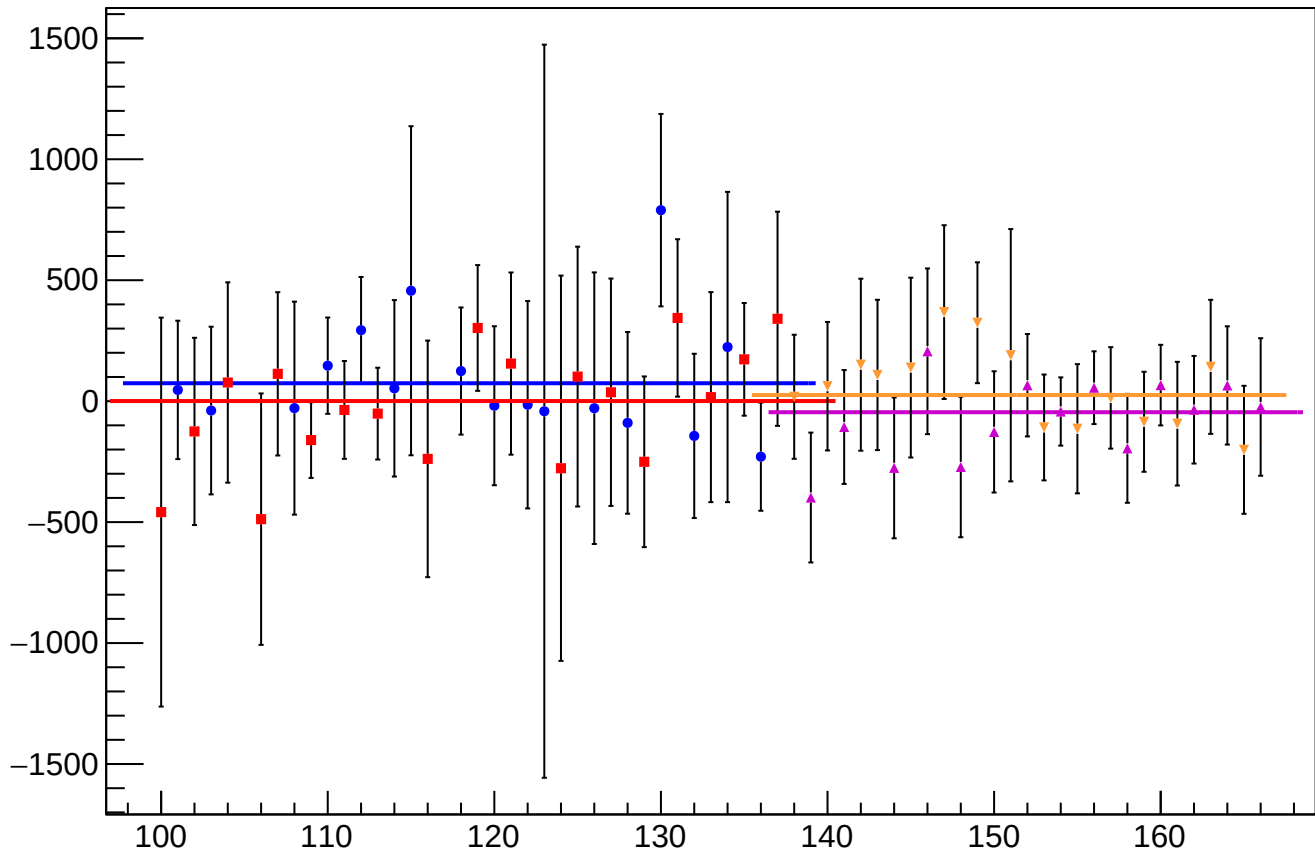
Left In: 176.592+/-0.040 χ^2/NDF : 1466814.0/13

+ sign 209.635+/-0.037 χ^2/NDF : 2133714.6/31

All: 189.434+/-0.024 χ^2/NDF : 5704255.3/64

- sign 174.804+/-0.031 χ^2/NDF : 3051536.4/32

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098+/-79.404 χ^2/NDF : 7.6/16

Left Out: 25.308+/-69.671 χ^2/NDF : 4.8/14

Right Out: 0.503+/-70.437 χ^2/NDF : 7.3/18

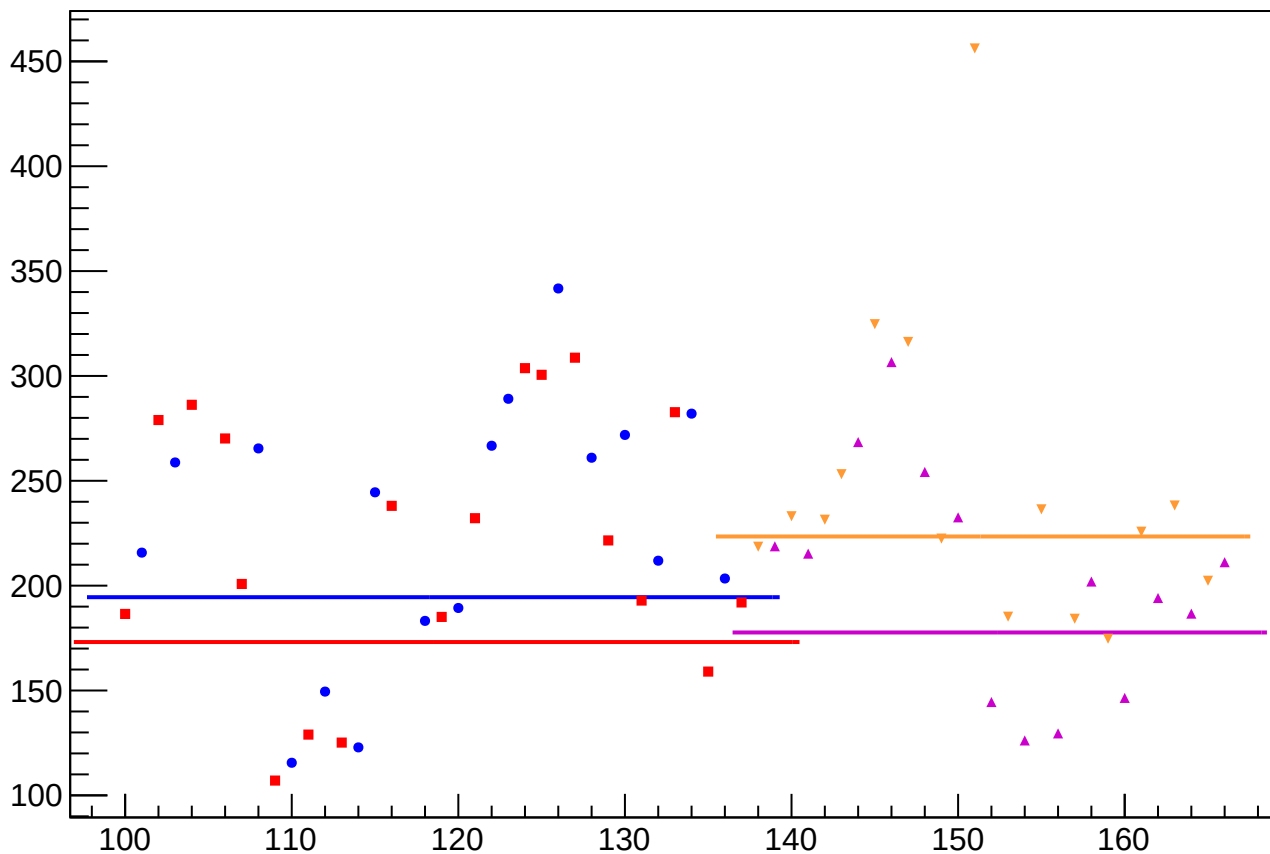
Left In: -45.717+/-57.559 χ^2/NDF : 5.5/13

+ sign 46.531+/-52.370 χ^2/NDF : 12.6/31

All: 3.765+/-33.942 χ^2/NDF : 26.8/64

- sign -27.211+/-44.570 χ^2/NDF : 13.1/32

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496+/-0.056 χ^2/NDF : 1008514.7/16

Left Out: 223.444+/-0.049 χ^2/NDF : 968466.8/14

Right Out: 173.111+/-0.050 χ^2/NDF : 1567374.3/18

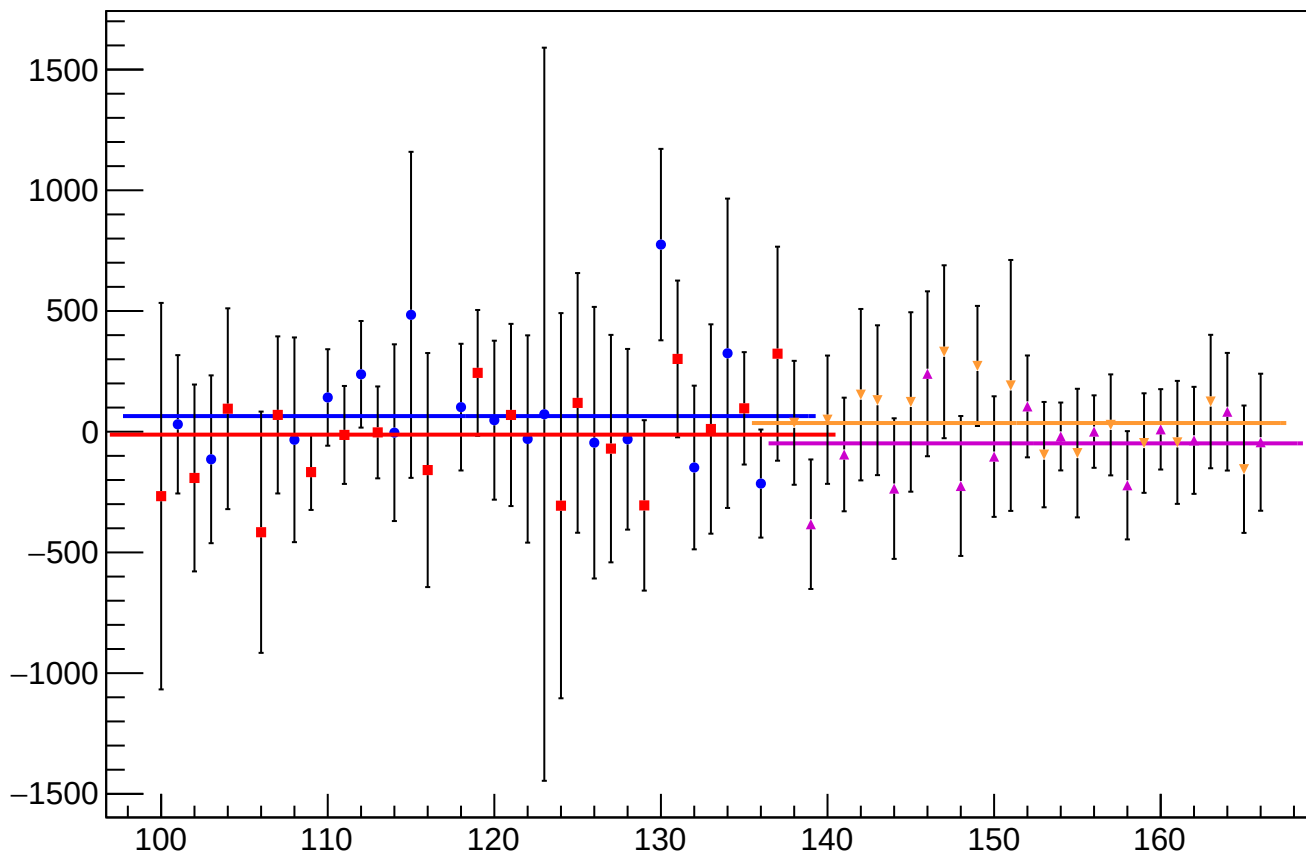
Left In: 177.674+/-0.041 χ^2/NDF : 1465508.0/13

+ sign 210.852+/-0.037 χ^2/NDF : 2127167.9/31

All: 190.551+/-0.024 χ^2/NDF : 5683296.4/64

- sign 175.847+/-0.032 χ^2/NDF : 3037915.3/32

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 36.000 ± 69.516 χ^2/NDF : 3.4/14

Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

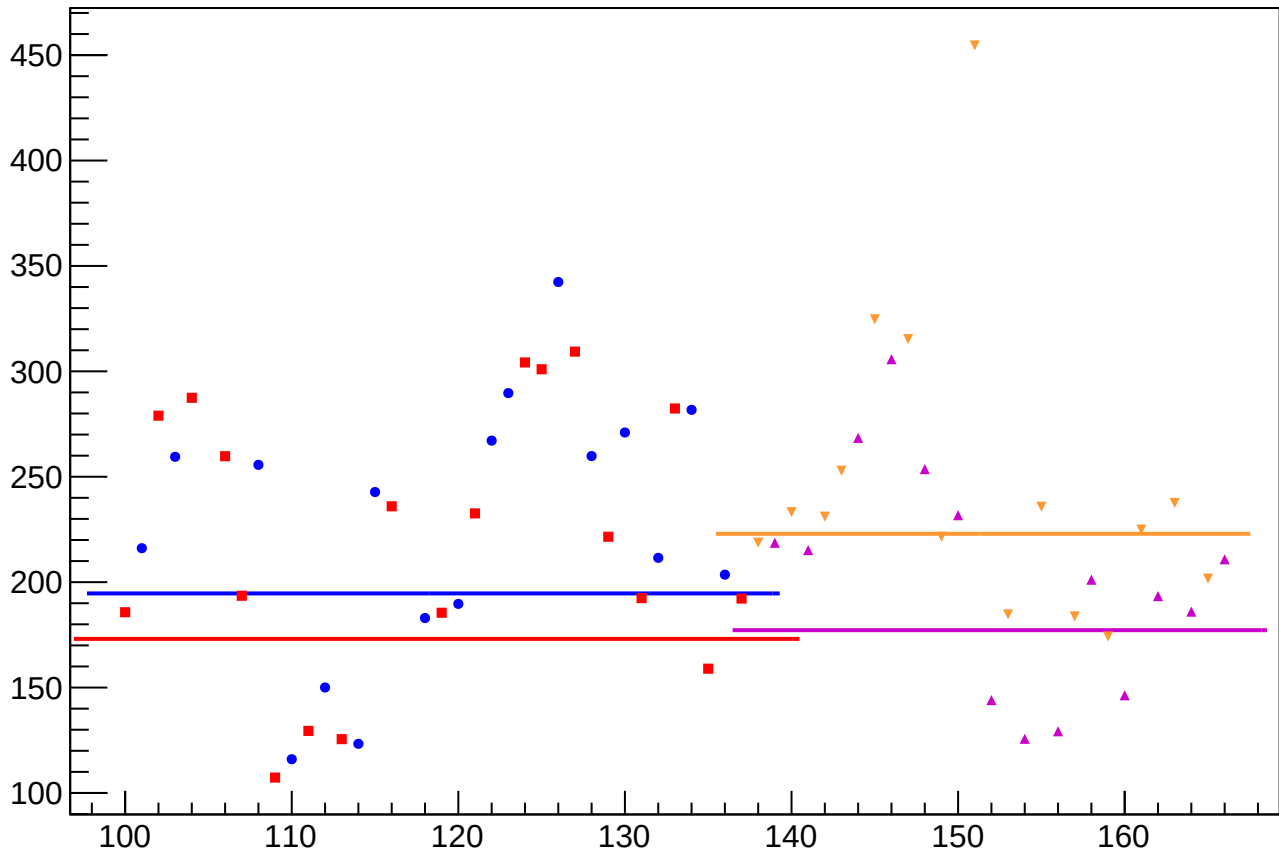
Left In: -48.217 ± 57.418 χ^2/NDF : 4.8/13

+ sign 48.468 ± 52.303 χ^2/NDF : 10.5/31

All: 0.746 ± 33.886 χ^2/NDF : 22.7/64

- sign -33.777 ± 44.485 χ^2/NDF : 10.8/32

asym_bcm_an_us_rms vs Slug



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 222.940 $\pm$ 0.049 χ^2 /NDF: 970205.0/14

Right Out: 173.089 $\pm$ 0.050 χ^2 /NDF: 1544540.9/18

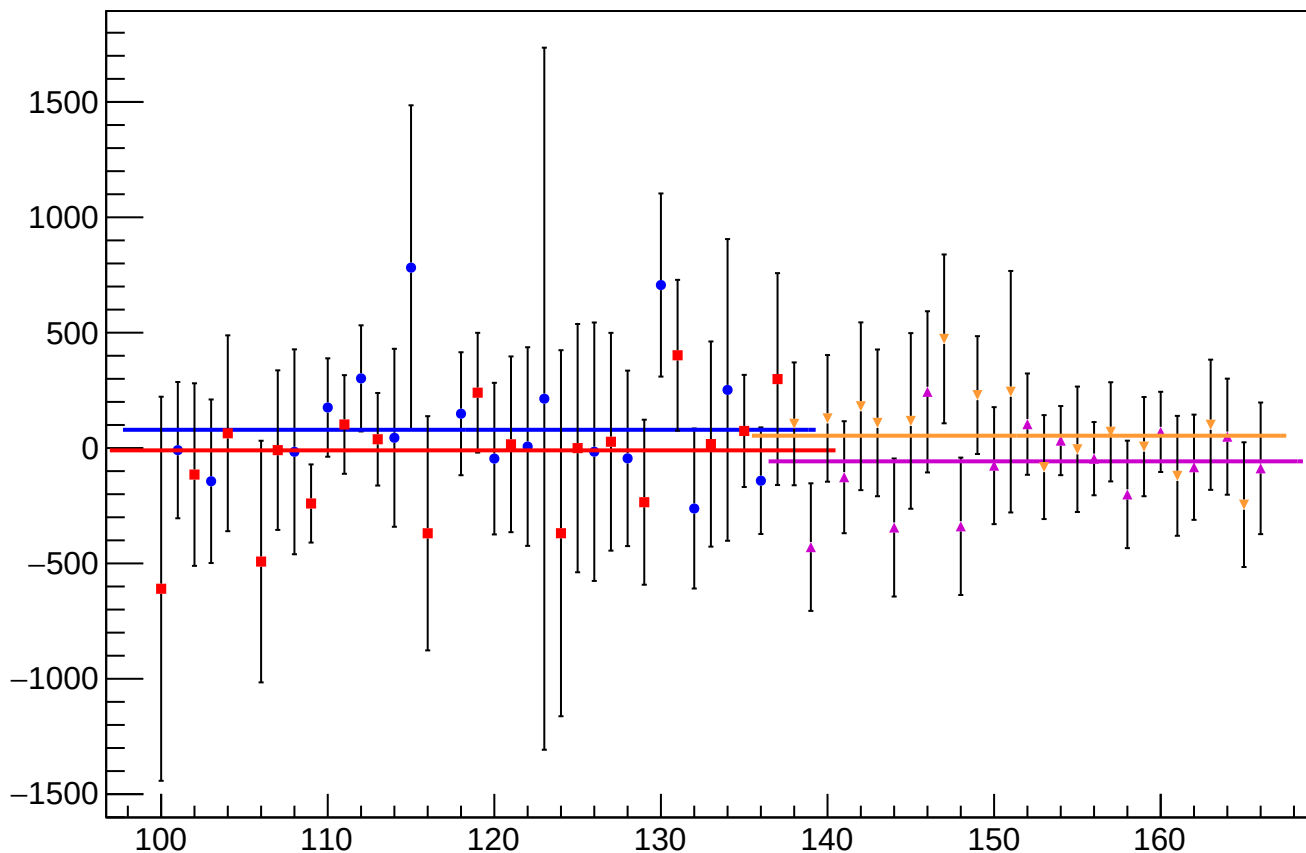
Left In: 177.225 $\pm$ 0.041 χ^2 /NDF: 1469000.3/13

+ sign 210.665 $\pm$ 0.037 χ^2 /NDF: 2100713.2/31

All: 190.302 $\pm$ 0.024 χ^2 /NDF: 5640849.7/64

- sign 175.572 $\pm$ 0.031 χ^2 /NDF: 3017690.0/32

asym_bcm_dg_us_mean vs Slug



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 53.526+/-71.466 χ^2/NDF : 4.4/14

Right Out: -9.982+/-73.310 χ^2/NDF : 7.9/18

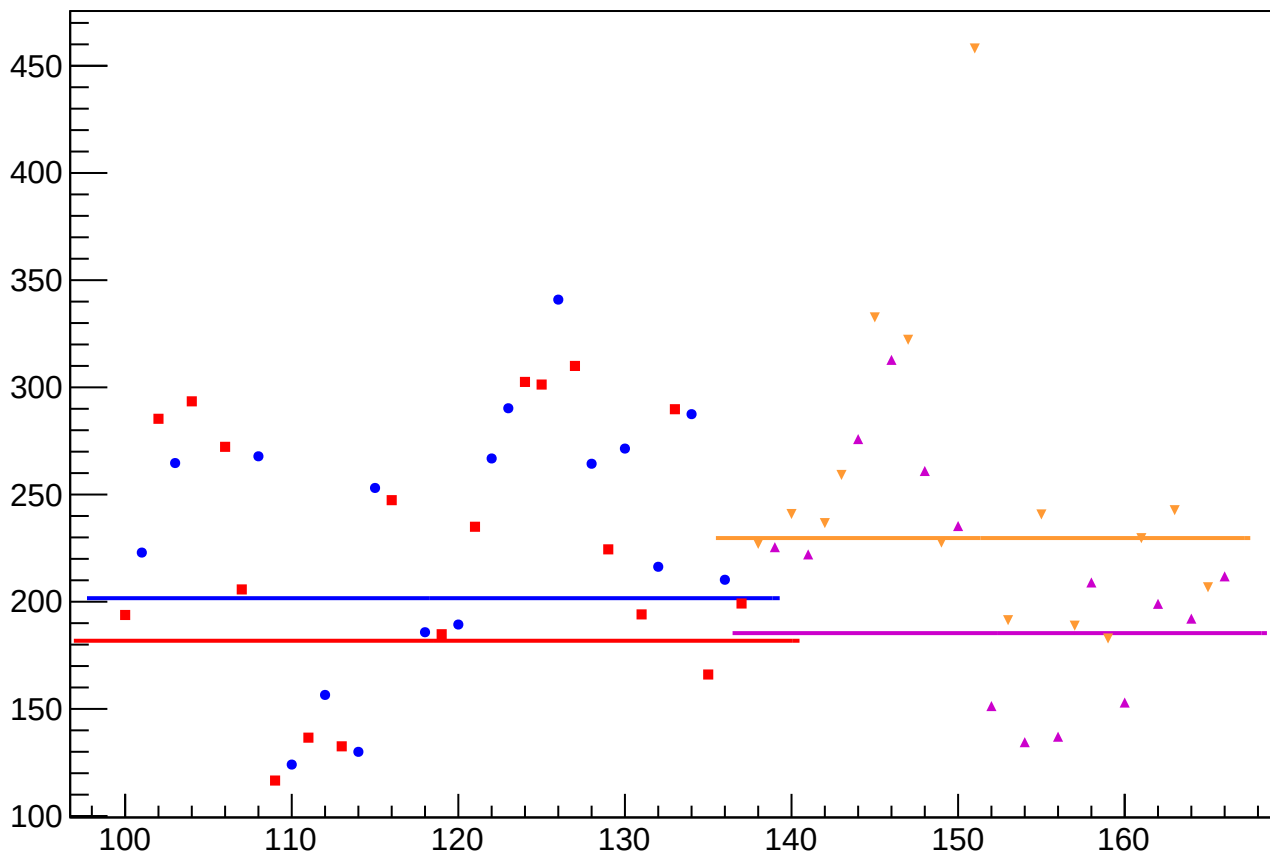
Left In: -57.600+/-59.739 χ^2/NDF : 6.5/13

+ sign 64.597+/-53.841 χ^2/NDF : 12.0/31

All: 5.284+/-35.109 χ^2/NDF : 28.7/64

- sign -38.598+/-46.310 χ^2/NDF : 14.6/32

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 229.703 $\pm$ 0.051 χ^2 /NDF: 923639.6/14

Right Out: 181.797 $\pm$ 0.052 χ^2 /NDF: 1377449.9/18

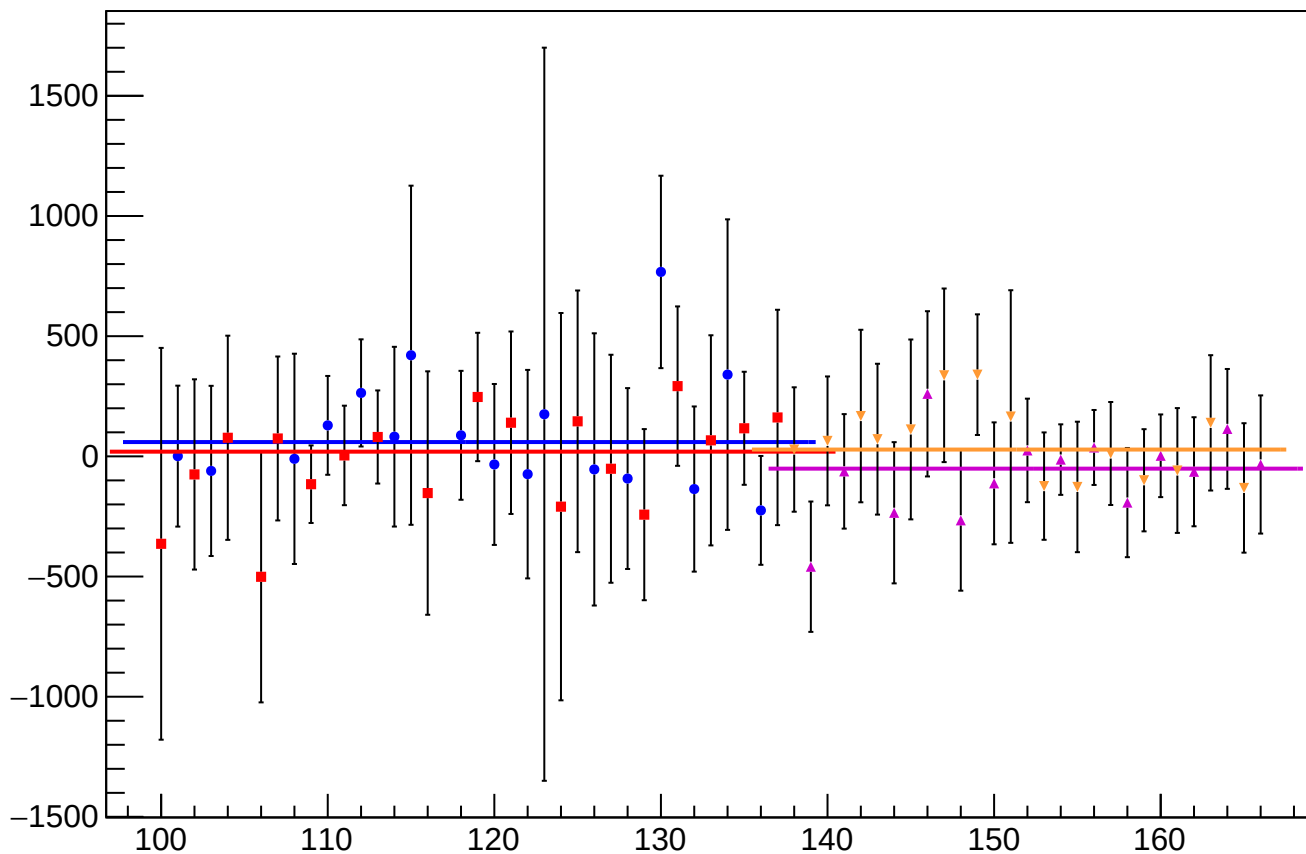
Left In: 185.356 $\pm$ 0.042 χ^2 /NDF: 1324177.5/13

+ sign 217.574 $\pm$ 0.038 χ^2 /NDF: 1940038.6/31

All: 198.240 $\pm$ 0.025 χ^2 /NDF: 5093186.1/64

- sign 183.936 $\pm$ 0.033 χ^2 /NDF: 2704460.2/32

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 $\pm$ 80.808 χ^2/NDF : 7.0/16

Left Out: 28.290 $\pm$ 70.736 χ^2/NDF : 4.4/14

Right Out: 19.541 $\pm$ 71.866 χ^2/NDF : 4.7/18

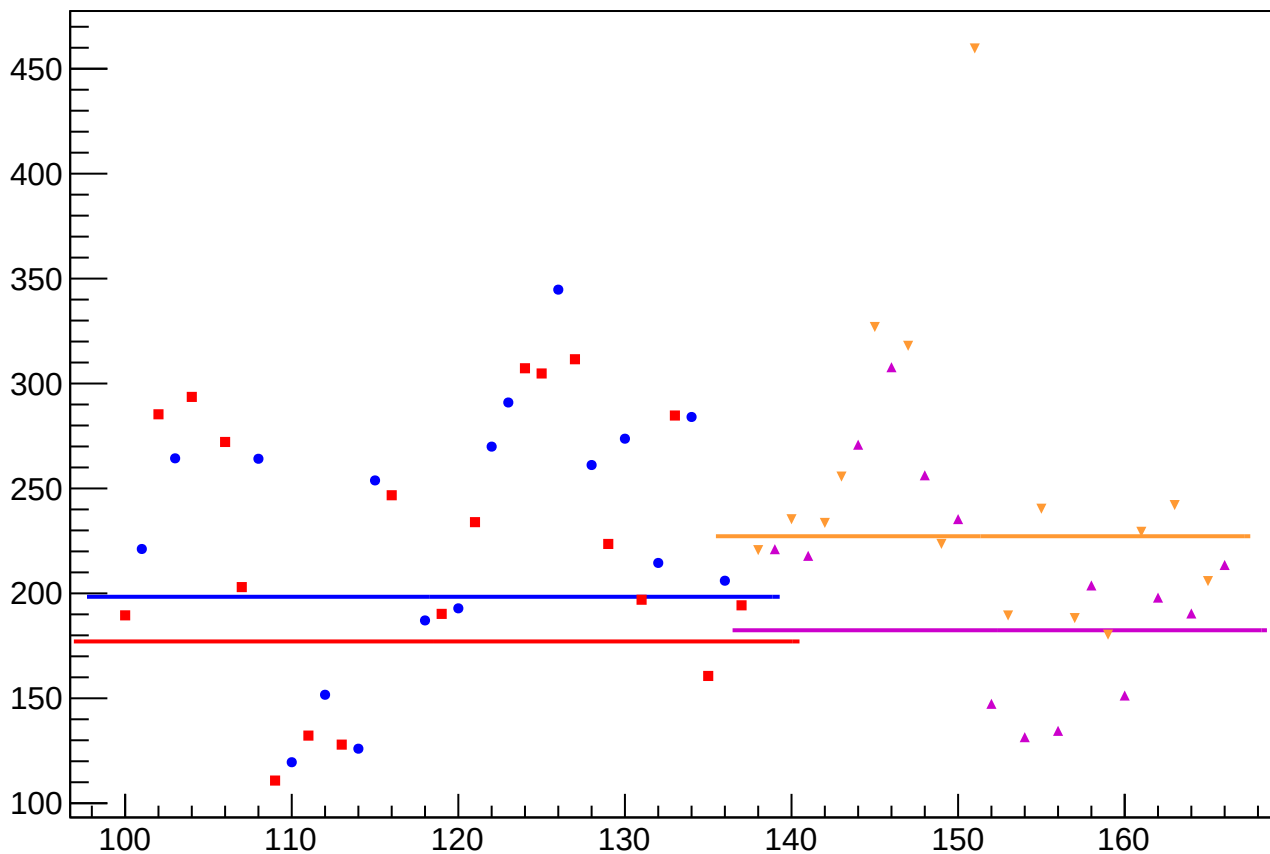
Left In: -51.134 $\pm$ 58.883 χ^2/NDF : 5.5/13

+ sign 41.828 $\pm$ 53.225 χ^2/NDF : 11.5/31

All: 4.552 $\pm$ 34.606 χ^2/NDF : 23.1/64

- sign -22.746 $\pm$ 45.547 χ^2/NDF : 10.8/32

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378+/-0.057 χ^2/NDF : 963672.6/16

Left Out: 227.228+/-0.050 χ^2/NDF : 923995.2/14

Right Out: 177.096+/-0.051 χ^2/NDF : 1524763.6/18

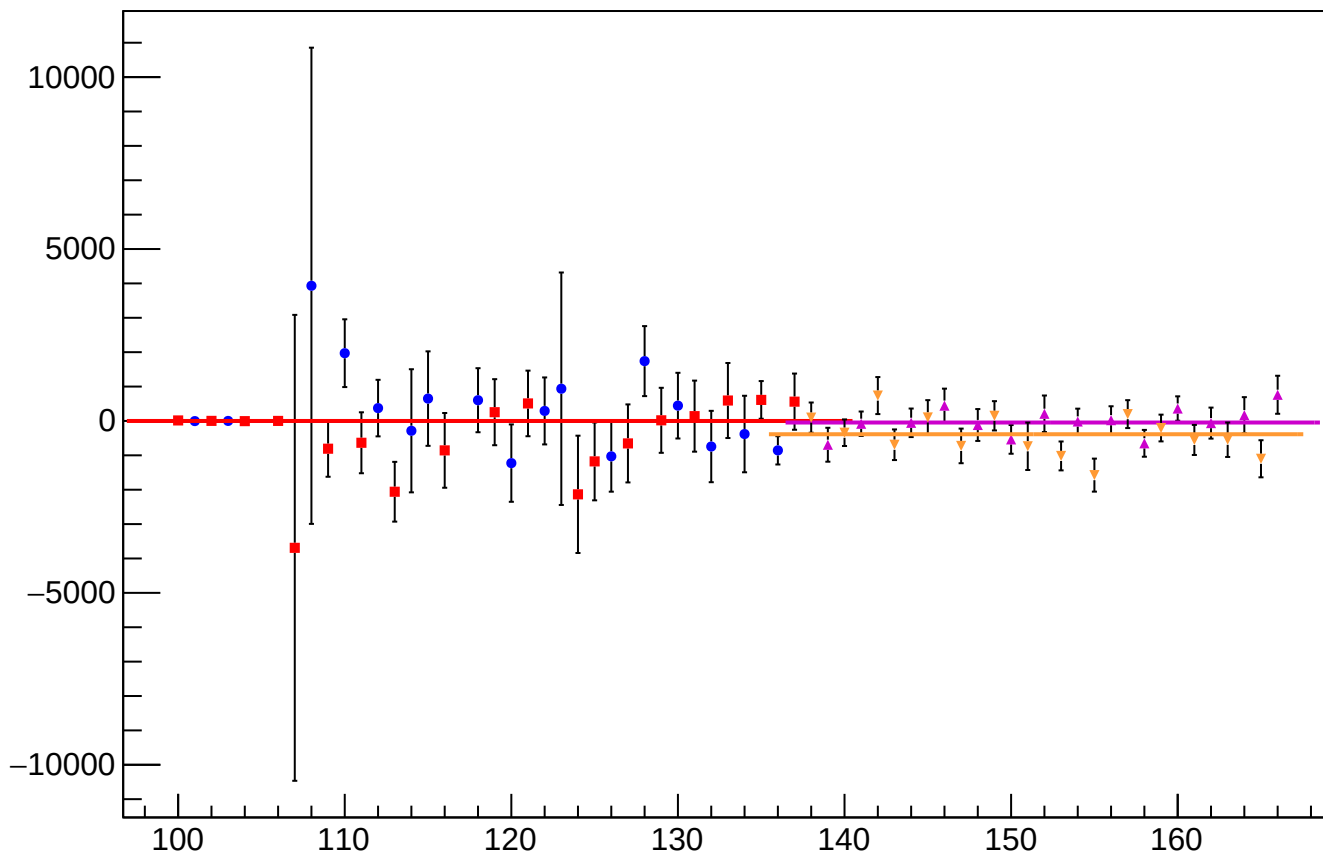
Left In: 182.422+/-0.042 χ^2/NDF : 1347491.9/13

+ sign 214.712+/-0.038 χ^2/NDF : 2031996.2/31

All: 194.837+/-0.024 χ^2/NDF : 5393918.1/64

- sign 180.283+/-0.032 χ^2/NDF : 2878828.9/32

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -386.515 ± 118.498 χ^2/NDF : 22.0/14

Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

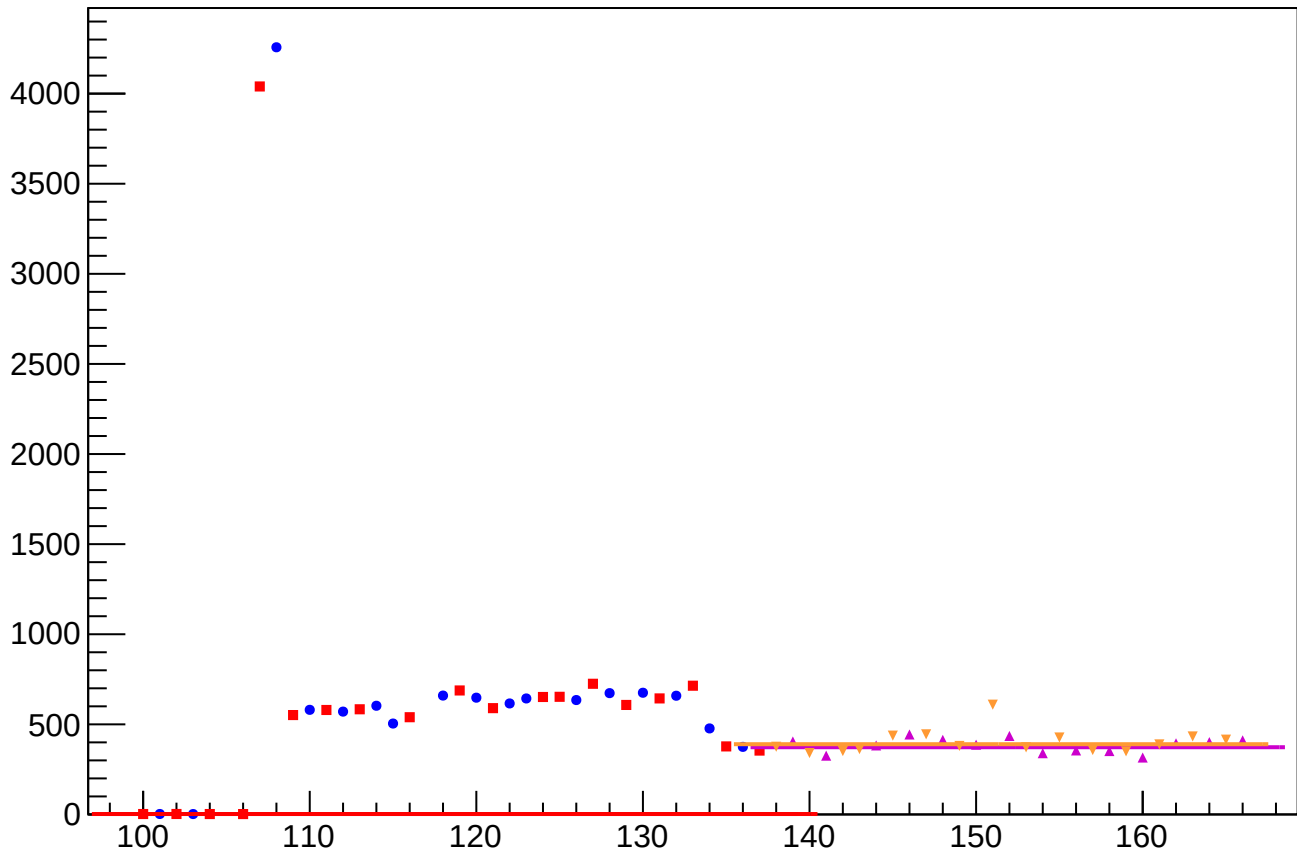
Left In: -45.890 ± 115.096 χ^2/NDF : 10.4/13

+ sign -1.668 ± 2.251 χ^2/NDF : 49.5/31

All: -1.175 ± 1.540 χ^2/NDF : 79.4/64

- sign -0.742 ± 2.111 χ^2/NDF : 29.9/32

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 389.834+/-0.084 χ^2/NDF : 364669.2/14

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

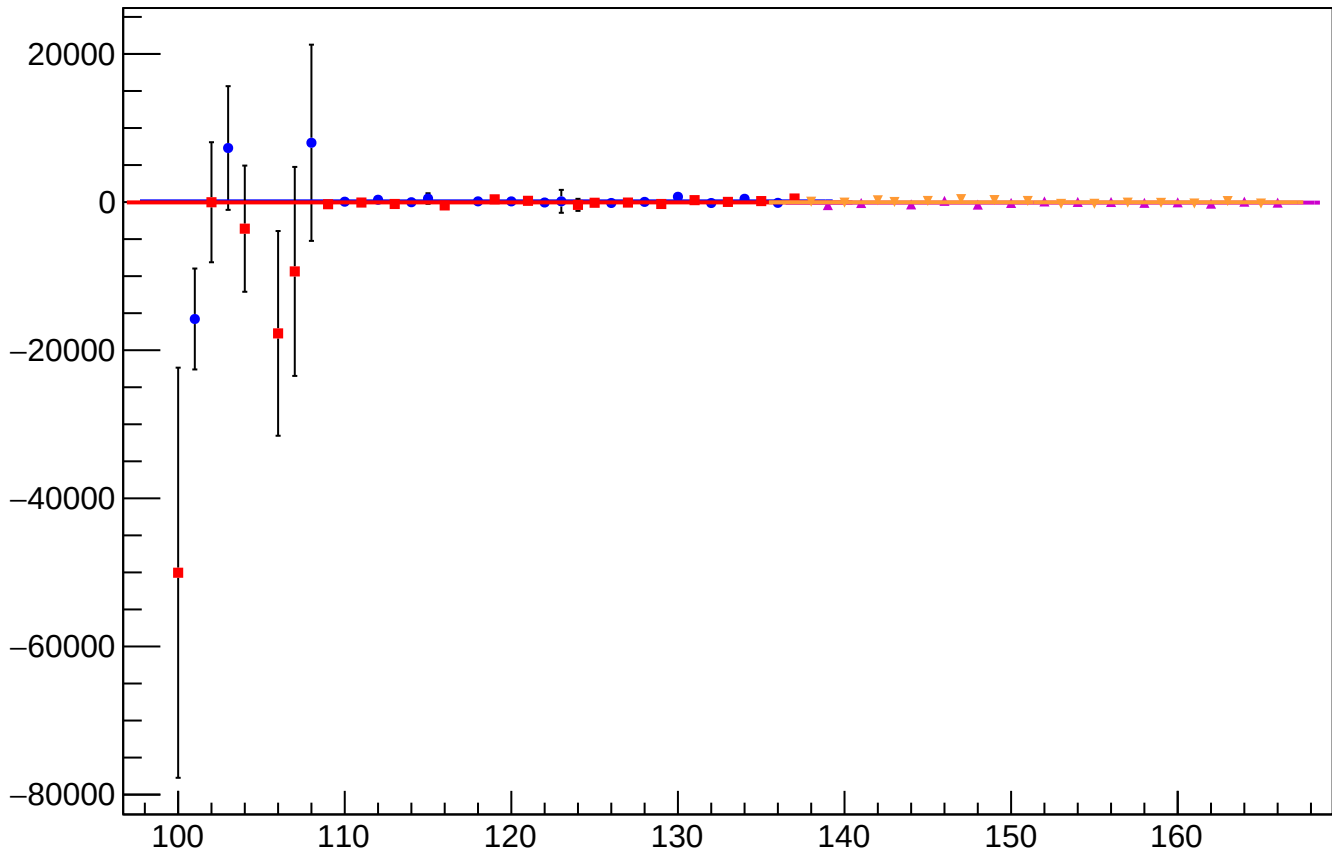
Left In: 373.065+/-0.081 χ^2/NDF : 228252.8/13

+ sign 2.596+/-0.002 χ^2/NDF : 32578199.1/31

All: 2.578+/-0.001 χ^2/NDF : 64686036.8/64

- sign 2.561+/-0.001 χ^2/NDF : 32107579.6/32

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: -27.889+/-74.023 χ^2/NDF : 5.9/14

Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

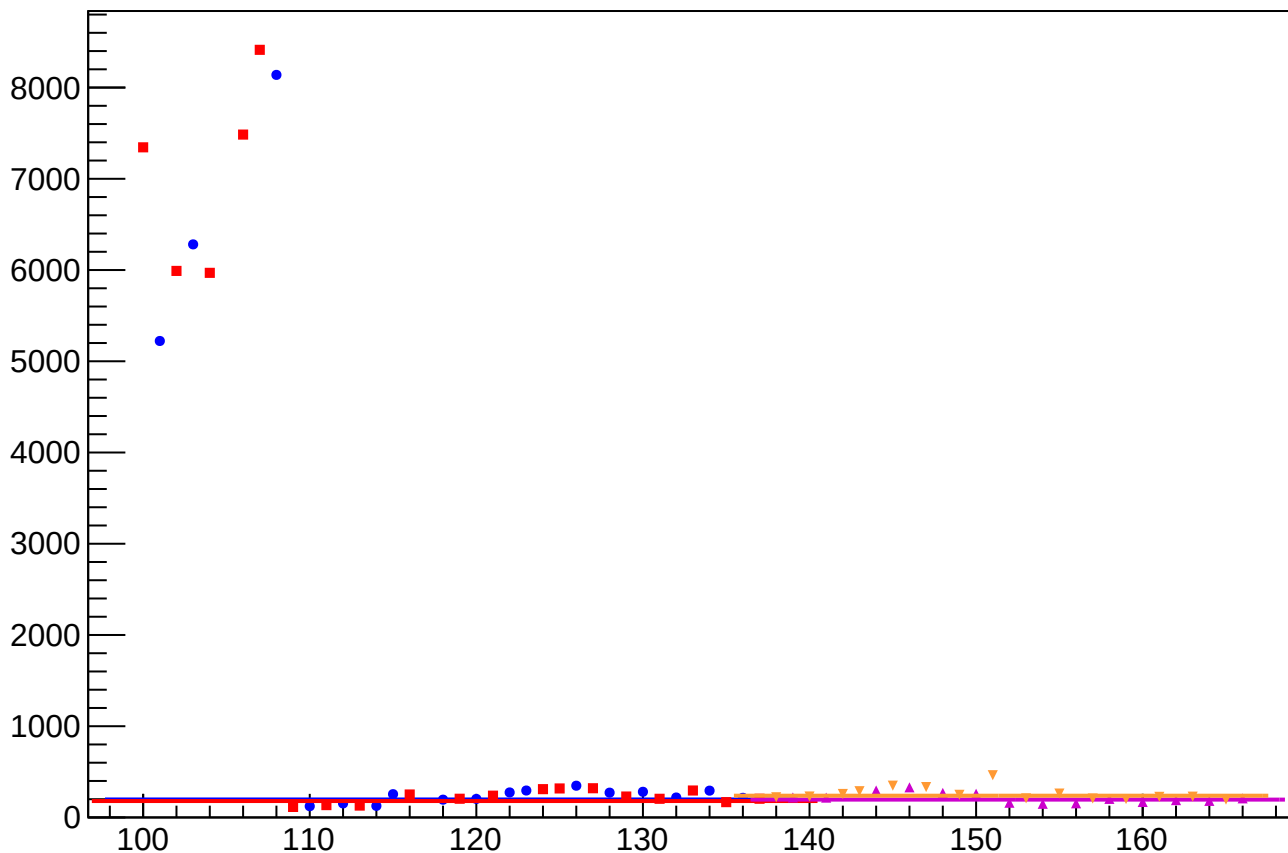
Left In: -72.601+/-62.545 χ^2/NDF : 5.1/13

+ sign 22.590+/-57.389 χ^2/NDF : 19.0/31

All: -25.203+/-37.815 χ^2/NDF : 39.3/64

- sign -61.876+/-50.271 χ^2/NDF : 19.1/32

asym_cav4cQ_rms vs Slug



Right In: 197.086+/-0.064 χ^2/NDF : 3693614.0/16

Left Out: 238.468+/-0.052 χ^2/NDF : 884586.4/14

Right Out: 179.949+/-0.060 χ^2/NDF : 4321173.8/18

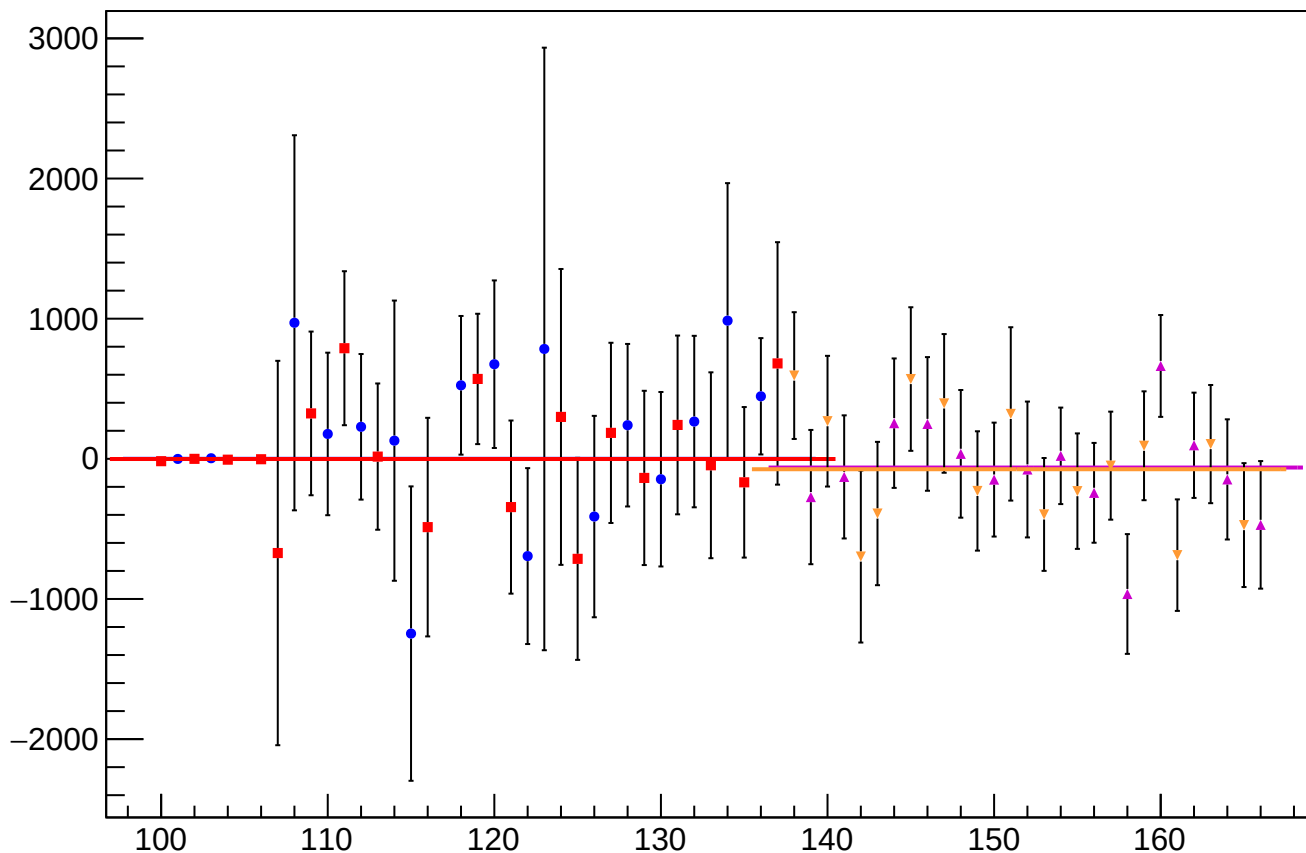
Left In: 195.575+/-0.044 χ^2/NDF : 1063008.9/13

+ sign 221.959+/-0.041 χ^2/NDF : 4827561.3/31

All: 203.901+/-0.027 χ^2/NDF : 10605905.6/64

- sign 190.044+/-0.036 χ^2/NDF : 5428369.0/32

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: -74.338 ± 115.879 χ^2/NDF : 11.5/14

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

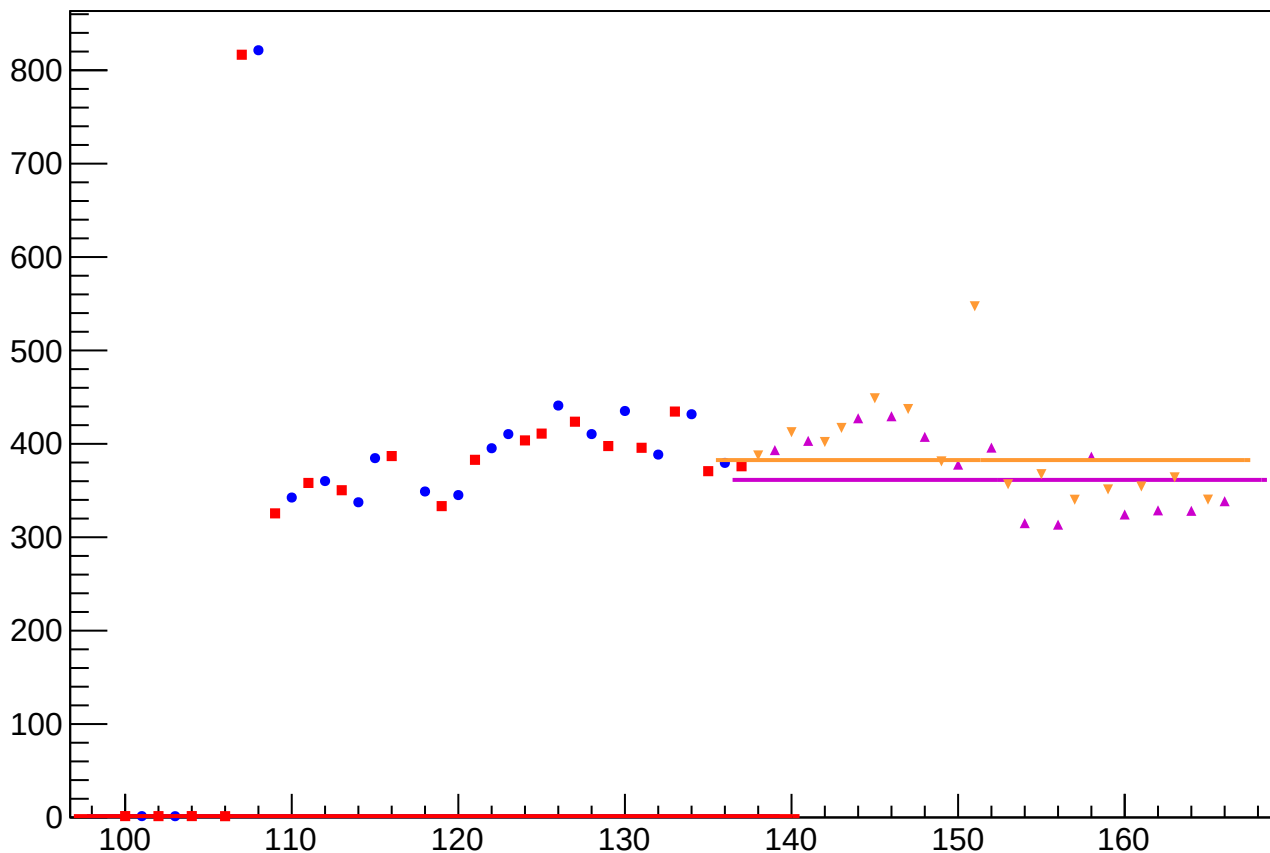
Left In: -62.195 ± 111.462 χ^2/NDF : 11.0/13

+ sign -0.155 ± 1.736 χ^2/NDF : 21.6/31

All: -0.786 ± 1.185 χ^2/NDF : 42.8/64

- sign -1.336 ± 1.622 χ^2/NDF : 20.9/32

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 382.625+/-0.082 χ^2/NDF :299654.3/14

Right Out: 1.451+/-0.001 χ^2/NDF : 10880737.7/18

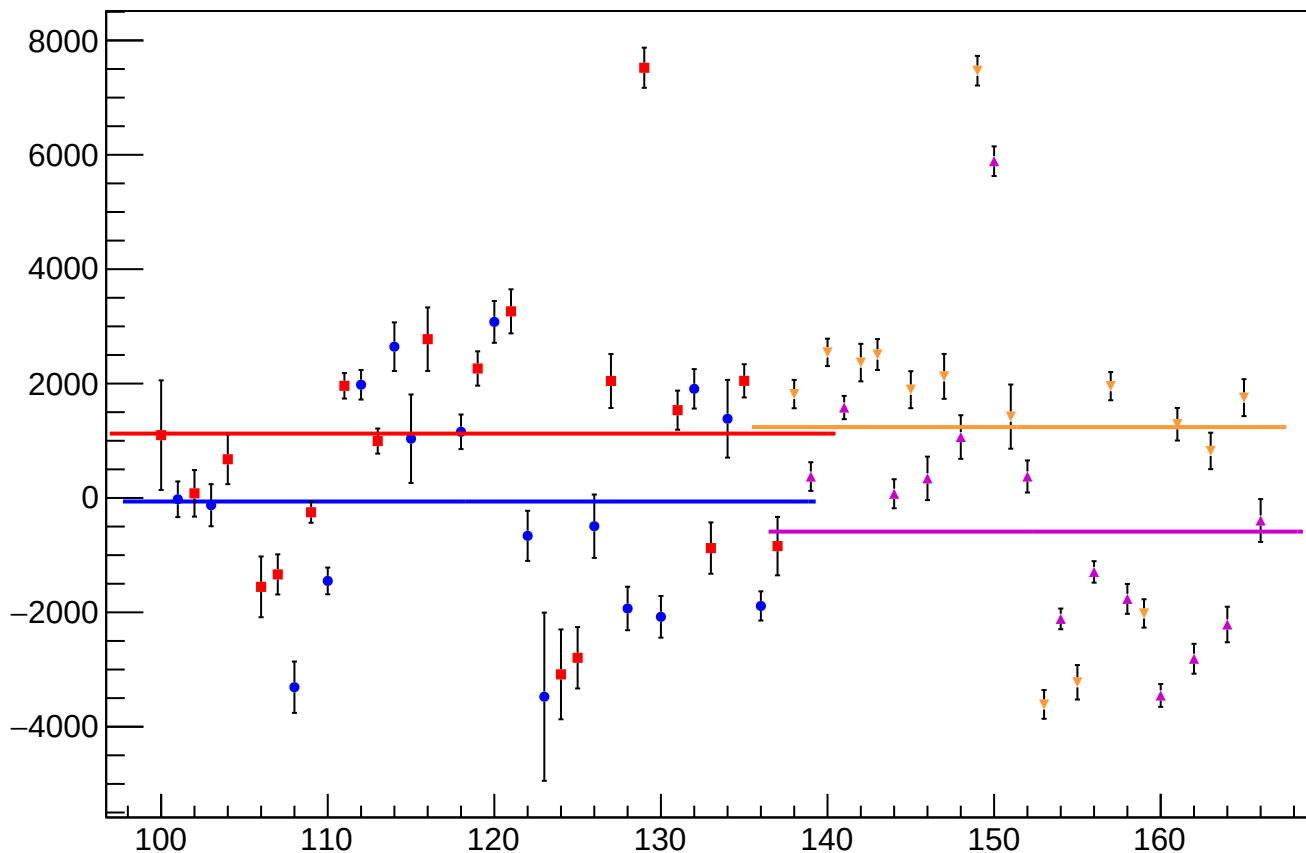
Left In: 361.407+/-0.079 χ^2/NDF :274515.4/13

+ sign 1.538+/-0.001 χ^2/NDF : 32893053.7/31

All: 1.532+/-0.001 χ^2/NDF : 64901918.2/64

- sign 1.527+/-0.001 χ^2/NDF : 32008820.8/32

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 1239.278 ± 74.099 χ^2/NDF : 1435.0/14

Right Out: 1125.437 ± 78.370 χ^2/NDF : 671.2/18

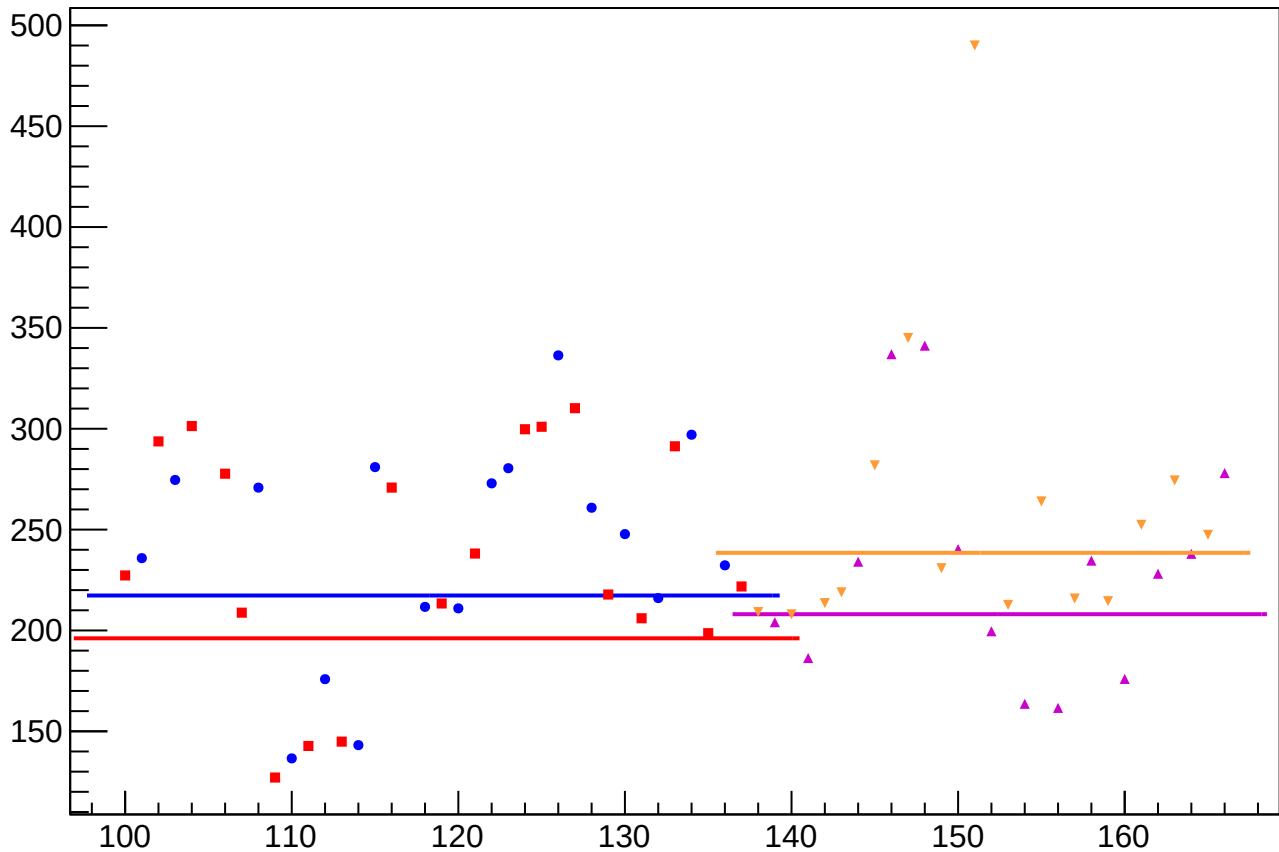
Left In: -588.405 ± 66.240 χ^2/NDF : 1207.0/13

+ sign 695.189 ± 56.526 χ^2/NDF : 1997.9/31

All: 379.016 ± 37.697 χ^2/NDF : 4211.4/64

- sign 125.767 ± 50.590 χ^2/NDF : 2157.2/32

asym_bcm0l02_rms vs Slug



Right In: 217.330 ± 0.062 χ^2/NDF : 652722.5/16

Left Out: 238.499 ± 0.052 χ^2/NDF : 772192.0/14

Right Out: 196.105 ± 0.055 χ^2/NDF : 1190733.6/18

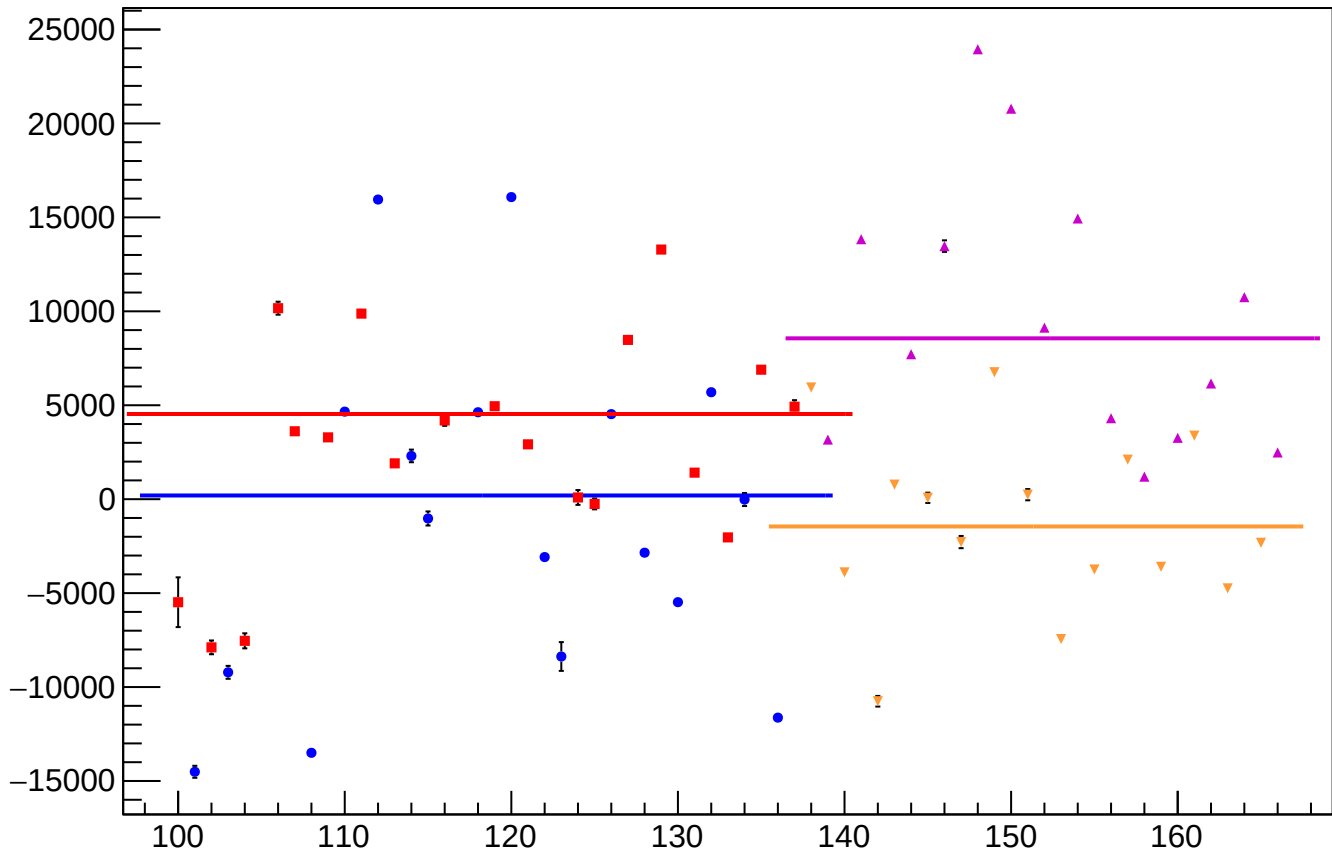
Left In: 208.056 ± 0.047 χ^2/NDF : 967127.1/13

+ sign 229.649 ± 0.040 χ^2/NDF : 1493158.5/31

All: 214.894 ± 0.027 χ^2/NDF : 3923565.3/64

- sign 203.076 ± 0.036 χ^2/NDF : 2184985.9/32

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 $\chi^2/\text{NDF}: 30658.3/16$

Left Out: -1452.743 ± 52.087 $\chi^2/\text{NDF}: 7587.7/14$

Right Out: 4534.200 ± 52.462 $\chi^2/\text{NDF}: 7477.2/18$

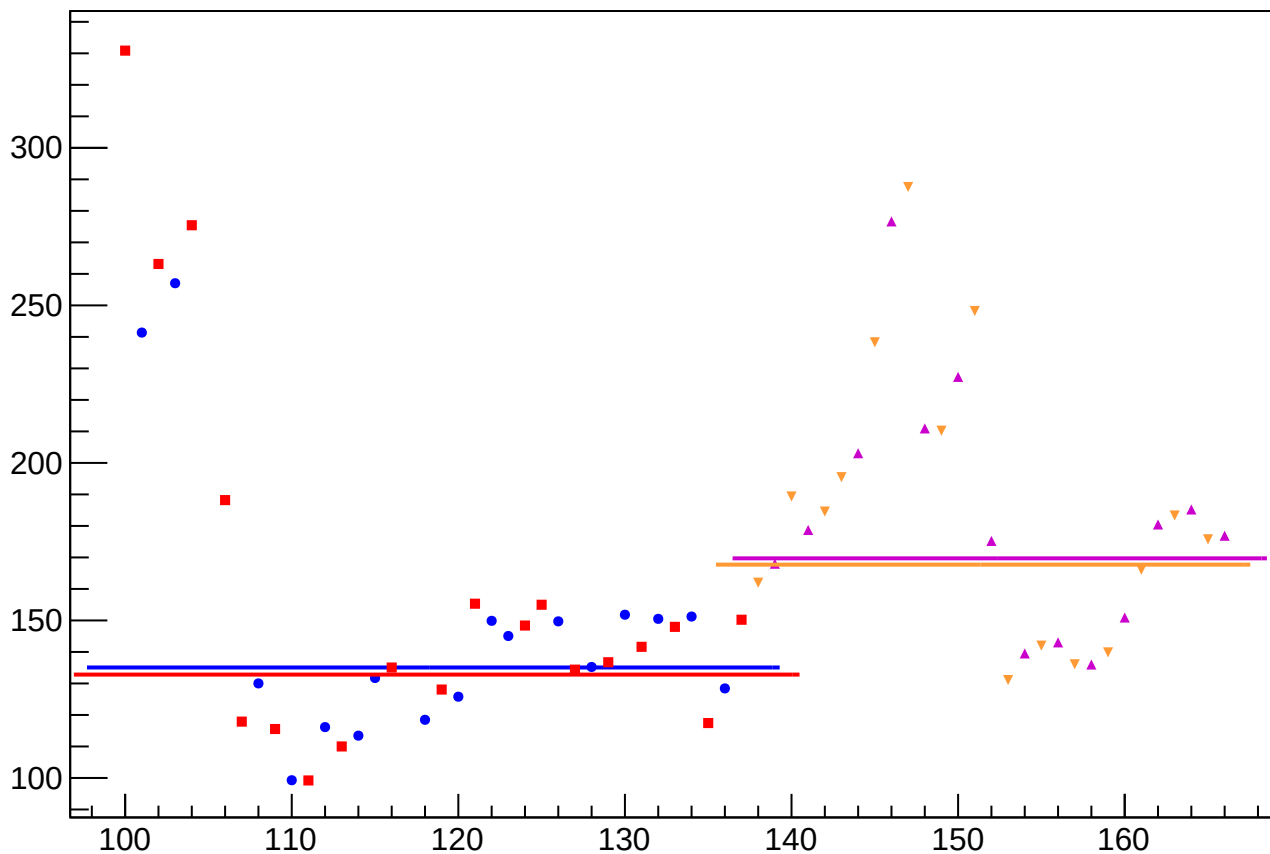
Left In: 8561.623 ± 53.501 $\chi^2/\text{NDF}: 14756.2/13$

+ sign -669.692 ± 37.753 $\chi^2/\text{NDF}: 38722.1/31$

All: 2947.511 ± 26.591 $\chi^2/\text{NDF}: 82061.3/64$

- sign 6508.393 ± 37.458 $\chi^2/\text{NDF}: 25122.4/32$

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 167.717 $\pm$ 0.037 χ^2 /NDF: 1003334.6/14

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

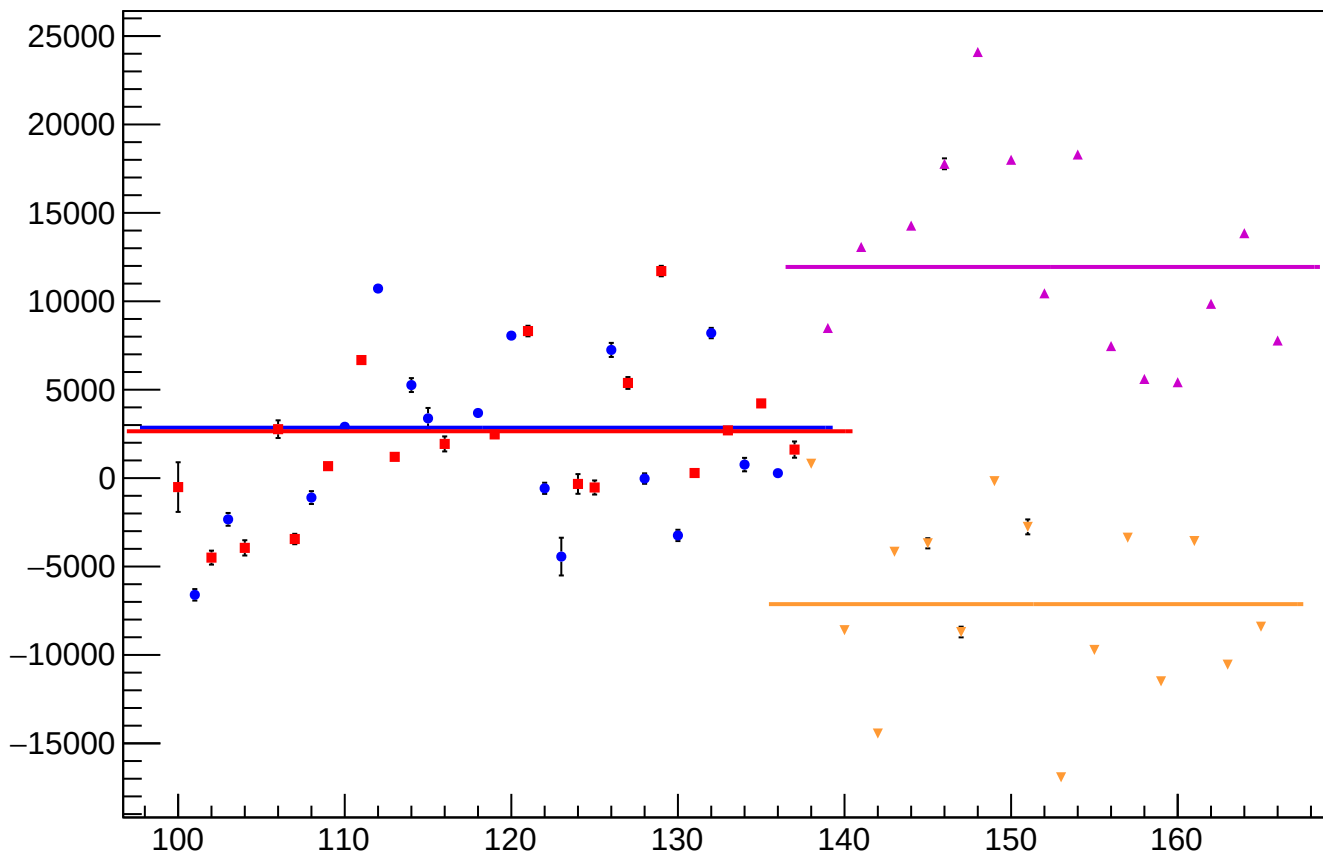
Left In: 169.710 $\pm$ 0.038 χ^2 /NDF: 731116.7/13

+ sign 152.222 $\pm$ 0.027 χ^2 /NDF: 2034925.8/31

All: 151.556 $\pm$ 0.019 χ^2 /NDF: 4083332.5/64

- sign 150.901 $\pm$ 0.026 χ^2 /NDF: 2047173.3/32

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -7126.828+/-59.567 χ^2/NDF : 7685.3/14

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

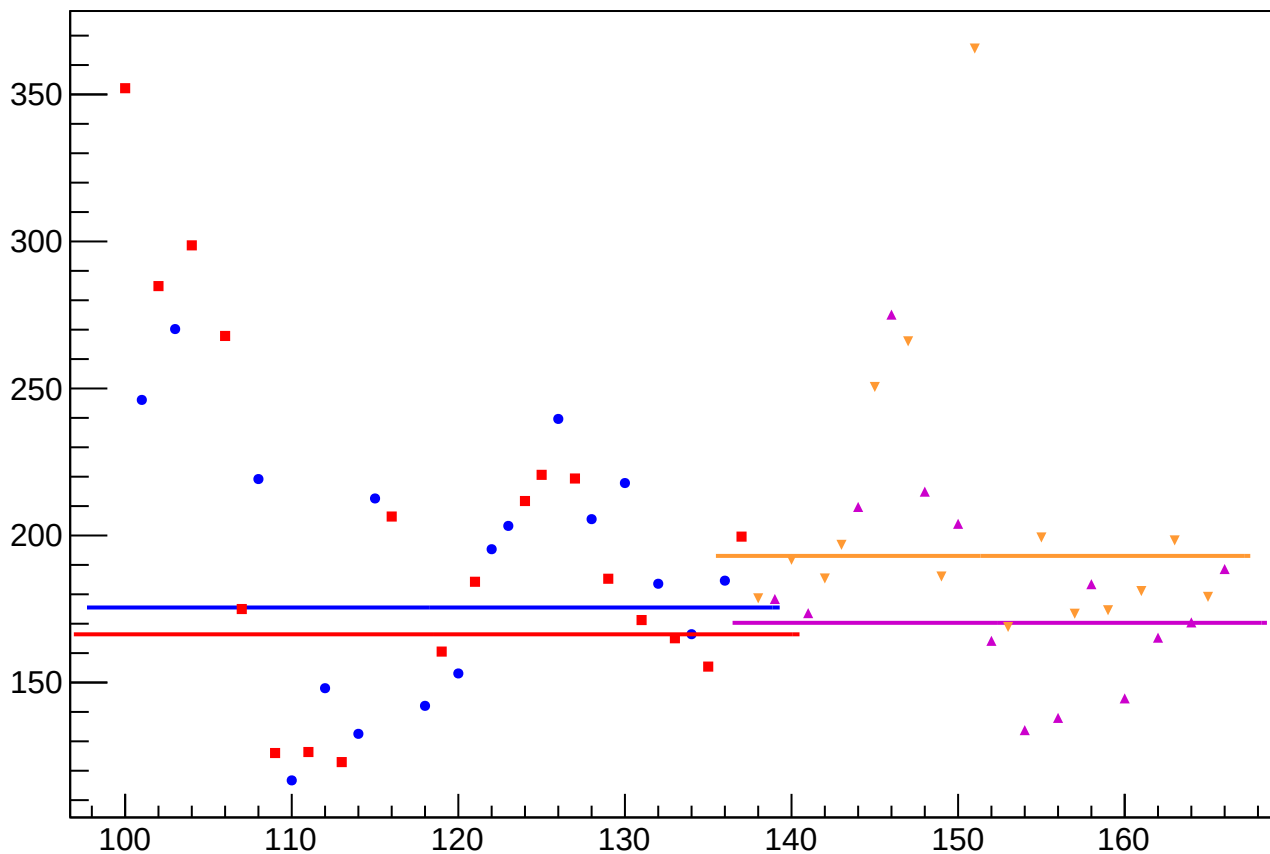
Left In: 11942.145+/-53.752 χ^2/NDF : 9700.3/13

+ sign -2987.929+/-45.568 χ^2/NDF : 23502.7/31

All: 3122.801+/-30.727 χ^2/NDF : 81334.6/64

- sign 8218.081+/-41.610 χ^2/NDF : 24854.2/32

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 193.061 $\pm$ 0.042 χ^2 /NDF: 627889.0/14

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

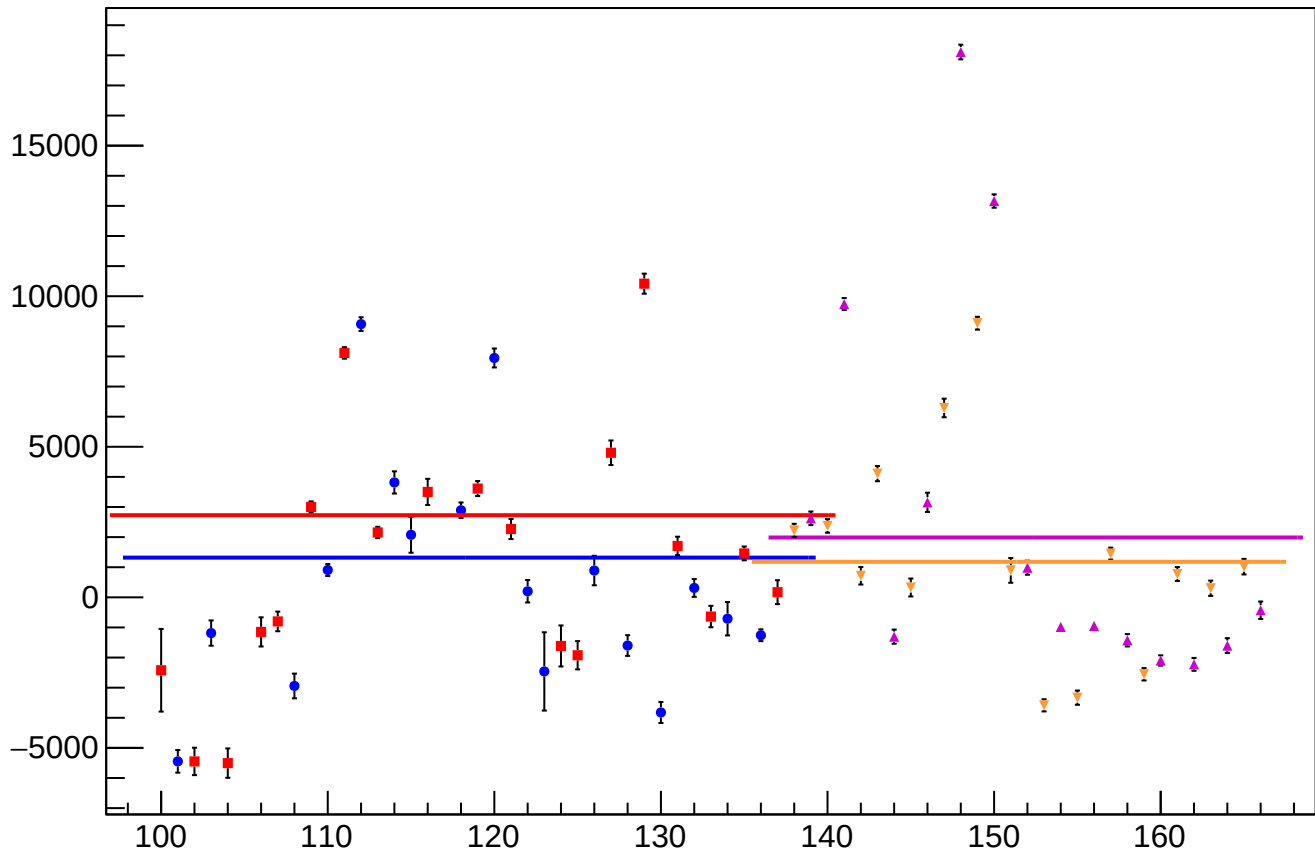
Left In: 170.300 $\pm$ 0.038 χ^2 /NDF: 686292.8/13

+ sign 185.783 $\pm$ 0.032 χ^2 /NDF: 1389512.7/31

All: 176.486 $\pm$ 0.022 χ^2 /NDF: 3162225.4/64

- sign 168.735 $\pm$ 0.029 χ^2 /NDF: 1620062.9/32

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1180.156+/-62.306 χ^2/NDF : 3117.0/14

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

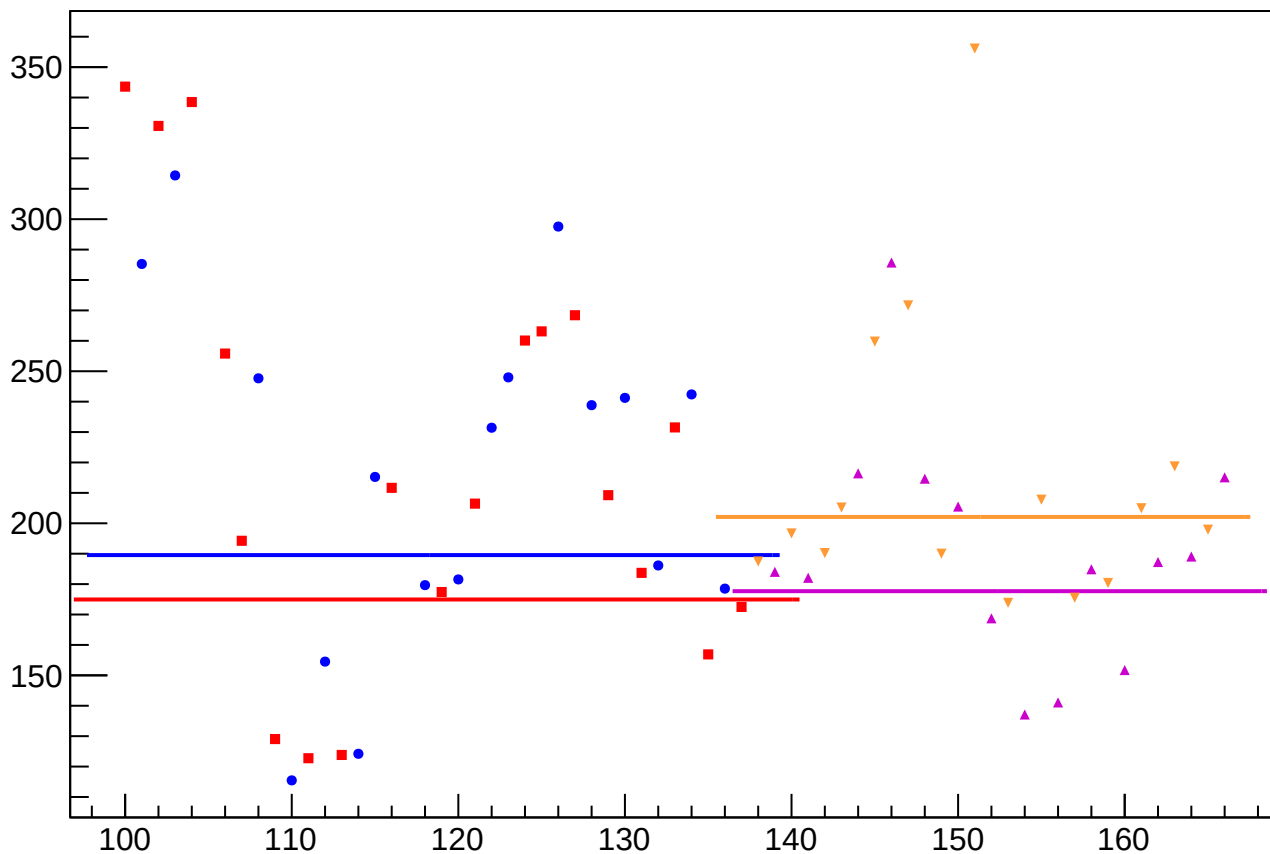
Left In: 1987.401+/-56.136 χ^2/NDF : 10875.9/13

+ sign 1234.971+/-48.471 χ^2/NDF : 5786.0/31

All: 1808.624+/-32.498 χ^2/NDF : 19480.3/64

- sign 2277.044+/-43.800 χ^2/NDF : 13439.8/32

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 202.087 $\pm$ 0.044 χ^2 /NDF: 582893.7/14

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

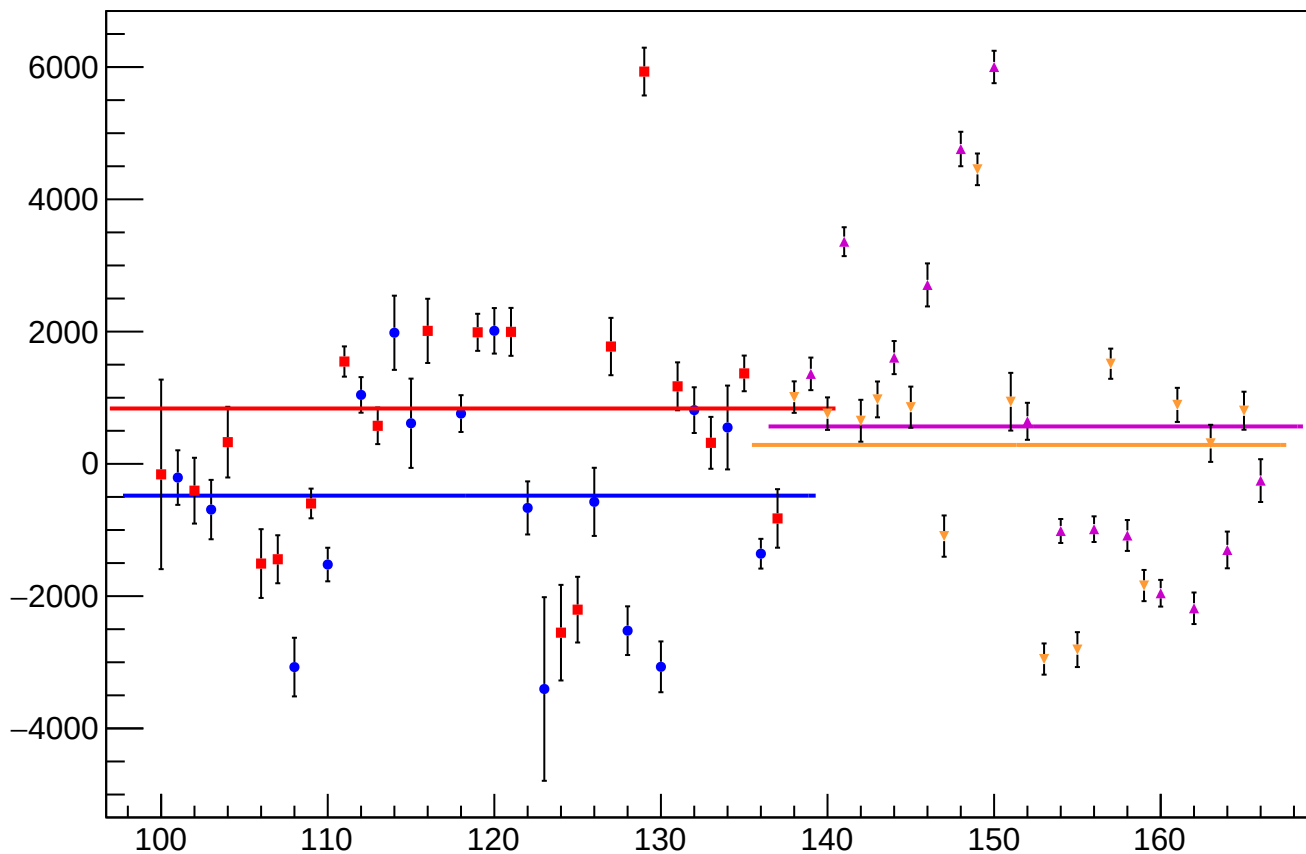
Left In: 177.677 $\pm$ 0.040 χ^2 /NDF: 700581.7/13

+ sign 197.135 $\pm$ 0.034 χ^2 /NDF: 1595632.8/31

All: 185.835 $\pm$ 0.023 χ^2 /NDF: 3792639.0/64

- sign 176.608 $\pm$ 0.031 χ^2 /NDF: 1999543.4/32

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 286.389 ± 68.935 χ^2/NDF : 793.8/14

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

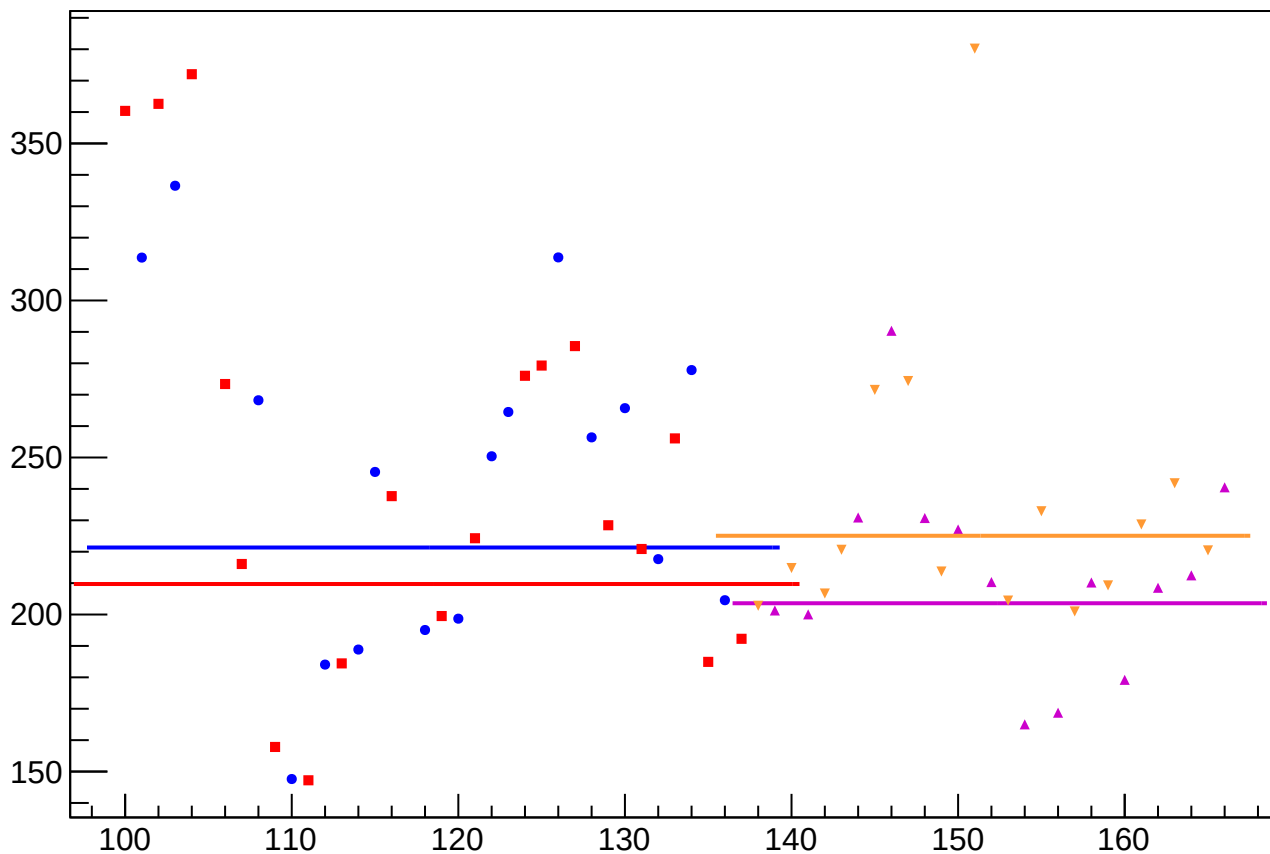
Left In: 565.851 ± 63.631 χ^2/NDF : 1516.8/13

+ sign -2.661 ± 54.416 χ^2/NDF : 1131.2/31

All: 358.572 ± 36.948 χ^2/NDF : 3171.8/64

- sign 667.549 ± 50.327 χ^2/NDF : 1958.9/32

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 225.080 $\pm$ 0.049 χ^2 /NDF: 436424.1/14

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

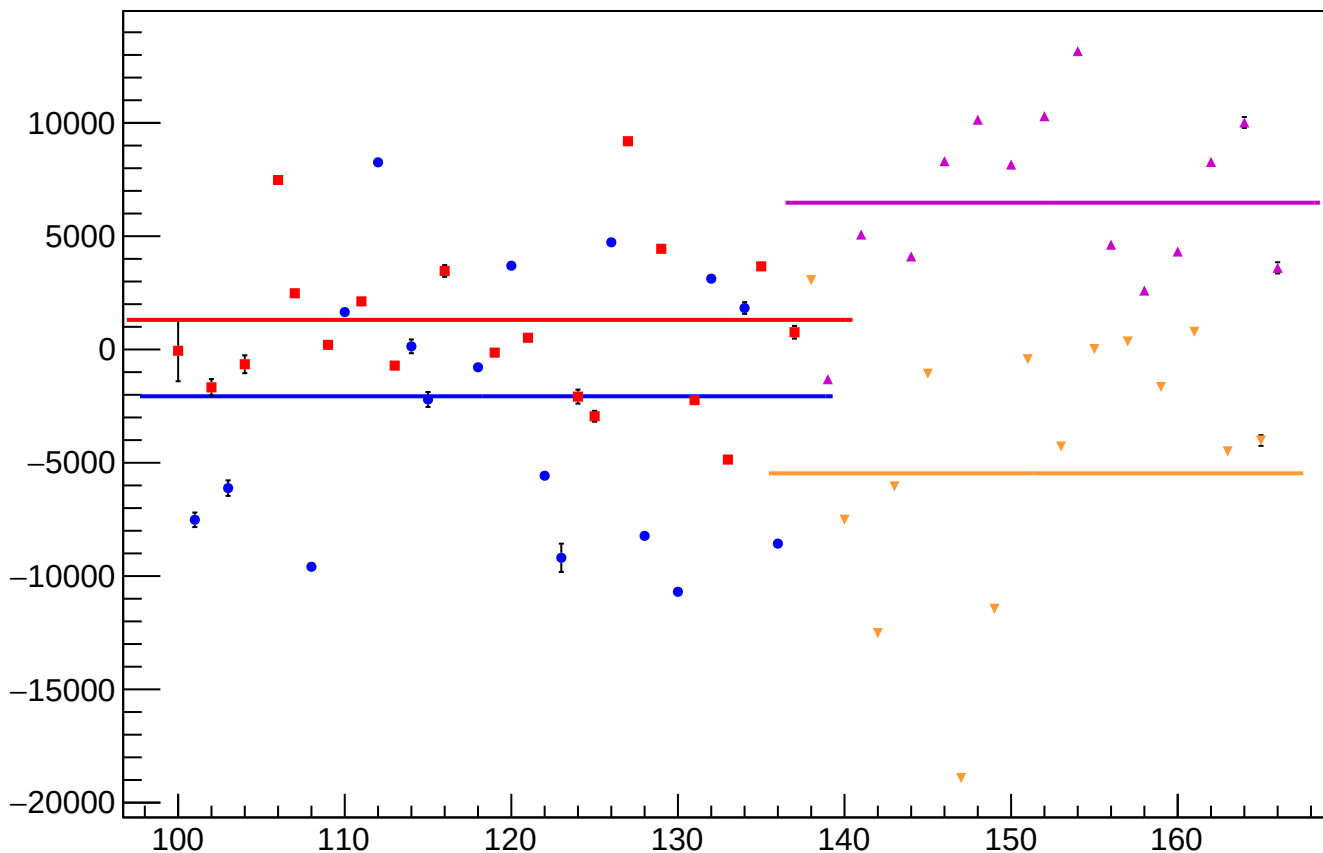
Left In: 203.590 $\pm$ 0.045 χ^2 /NDF: 422645.2/13

+ sign 223.671 $\pm$ 0.038 χ^2 /NDF: 1084328.3/31

All: 214.084 $\pm$ 0.026 χ^2 /NDF: 2513006.0/64

- sign 205.884 $\pm$ 0.036 χ^2 /NDF: 1313504.6/32

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -5465.639 ± 37.971 $\chi^2/\text{NDF}: 28201.0/14$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

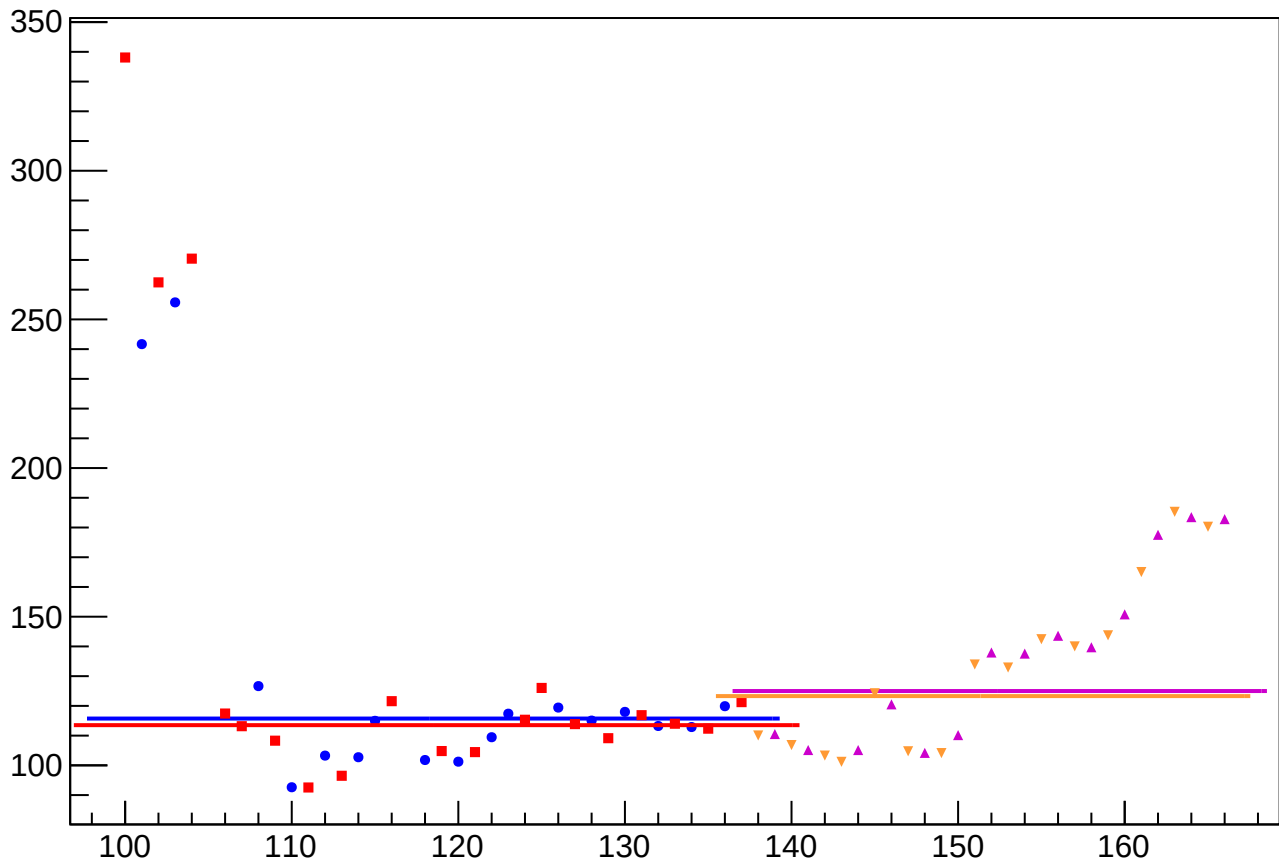
Left In: 6478.135 ± 38.921 $\chi^2/\text{NDF}: 9102.2/13$

+ sign -4133.794 ± 29.616 $\chi^2/\text{NDF}: 47875.5/31$

All: 91.292 ± 20.878 $\chi^2/\text{NDF}: 110884.4/64$

- sign 4265.884 ± 29.438 $\chi^2/\text{NDF}: 22546.1/32$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 123.295+/-0.027 χ^2/NDF : 738157.9/14

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

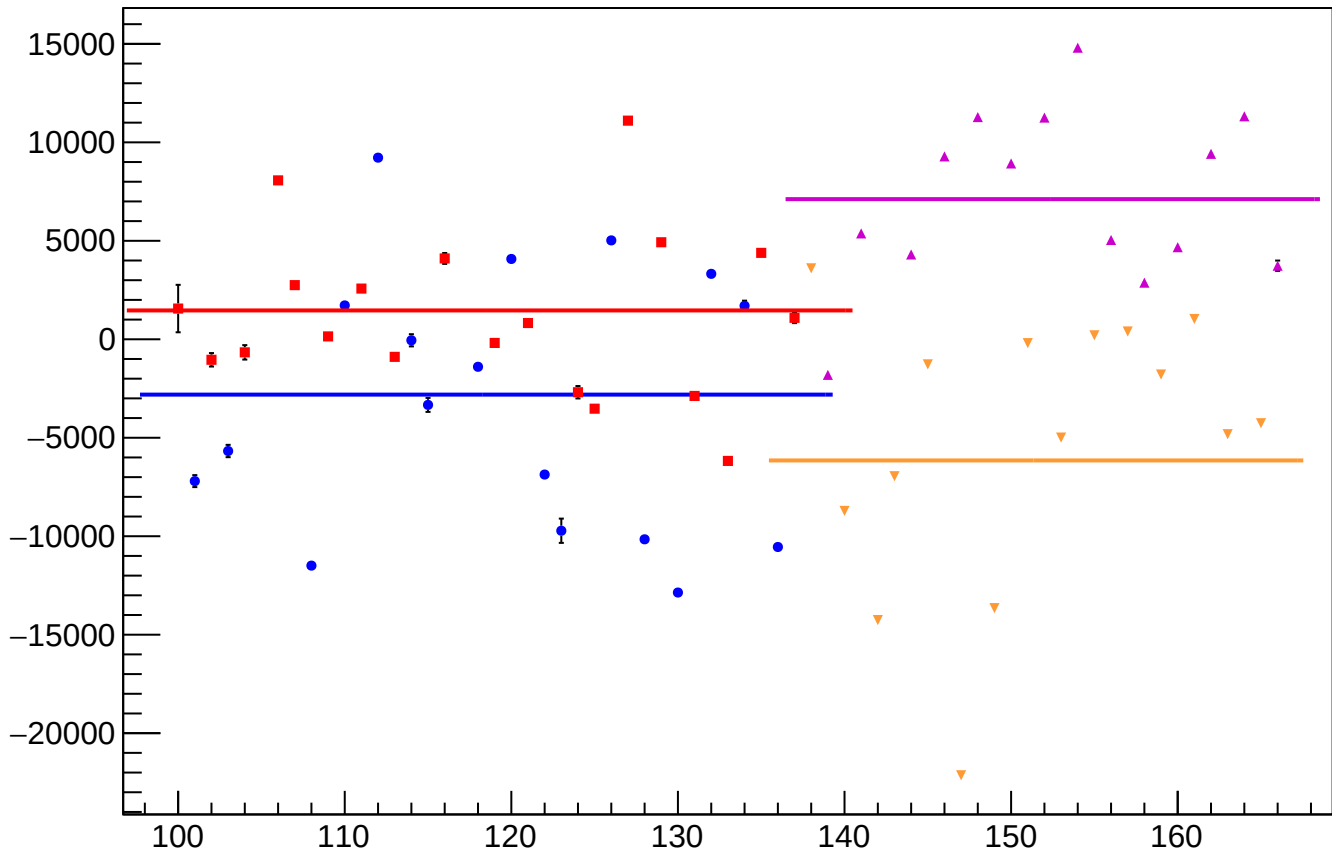
Left In: 124.997+/-0.028 χ^2/NDF : 718192.0/13

+ sign 120.336+/-0.021 χ^2/NDF : 1513181.7/31

All: 120.210+/-0.015 χ^2/NDF : 3102523.8/64

- sign 120.085+/-0.021 χ^2/NDF : 1589270.0/32

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 χ^2/NDF : 21263.1/16

Left Out: -6151.261 ± 40.306 χ^2/NDF : 34064.2/14

Right Out: 1465.074 ± 46.394 χ^2/NDF : 8004.7/18

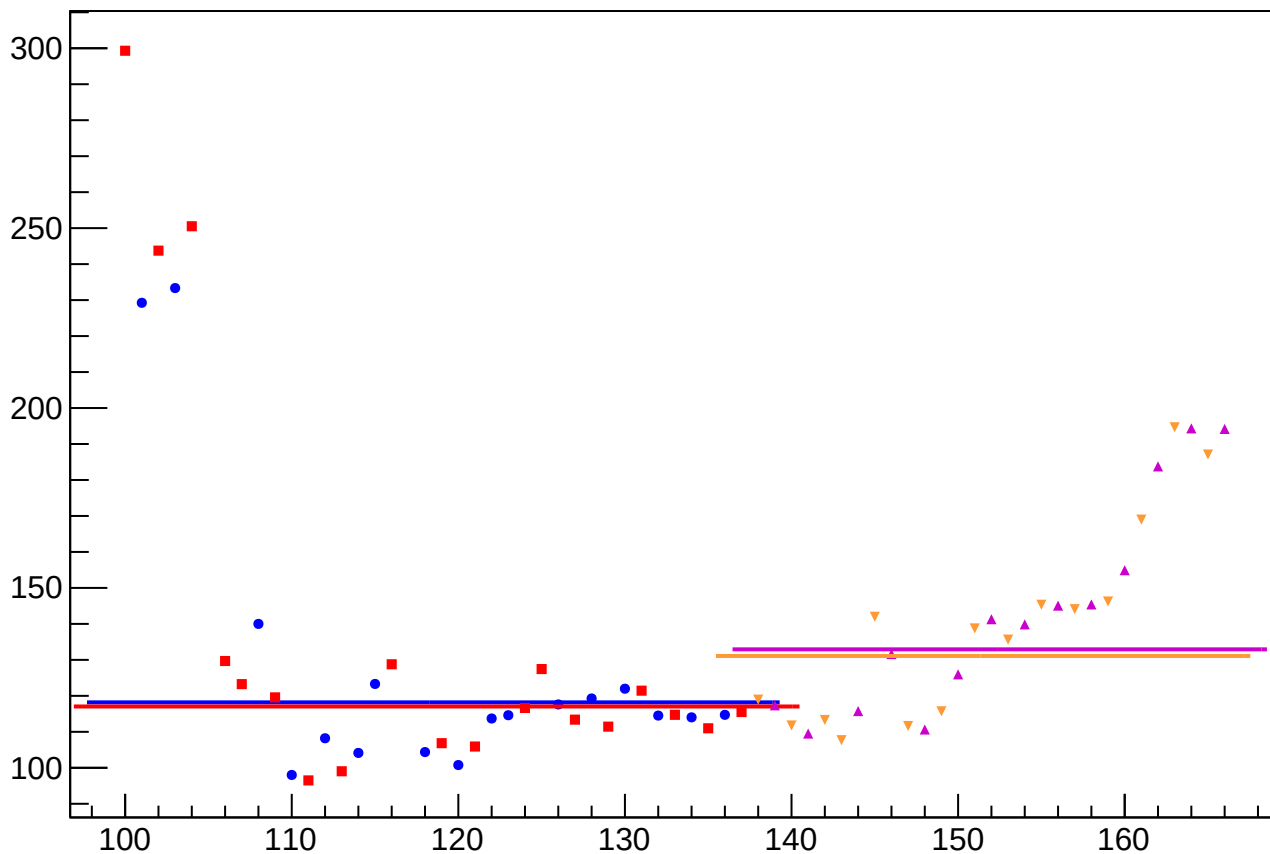
Left In: 7116.578 ± 41.332 χ^2/NDF : 10756.6/13

+ sign -4778.753 ± 30.942 χ^2/NDF : 58150.9/31

All: -69.111 ± 21.851 χ^2/NDF : 131398.3/64

- sign 4615.900 ± 30.861 χ^2/NDF : 27034.2/32

asym_bpm2i01WS_rms vs Slug



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 131.086+/-0.029 χ^2/NDF : 618440.9/14

Right Out: 117.046+/-0.033 χ^2/NDF : 690635.5/18

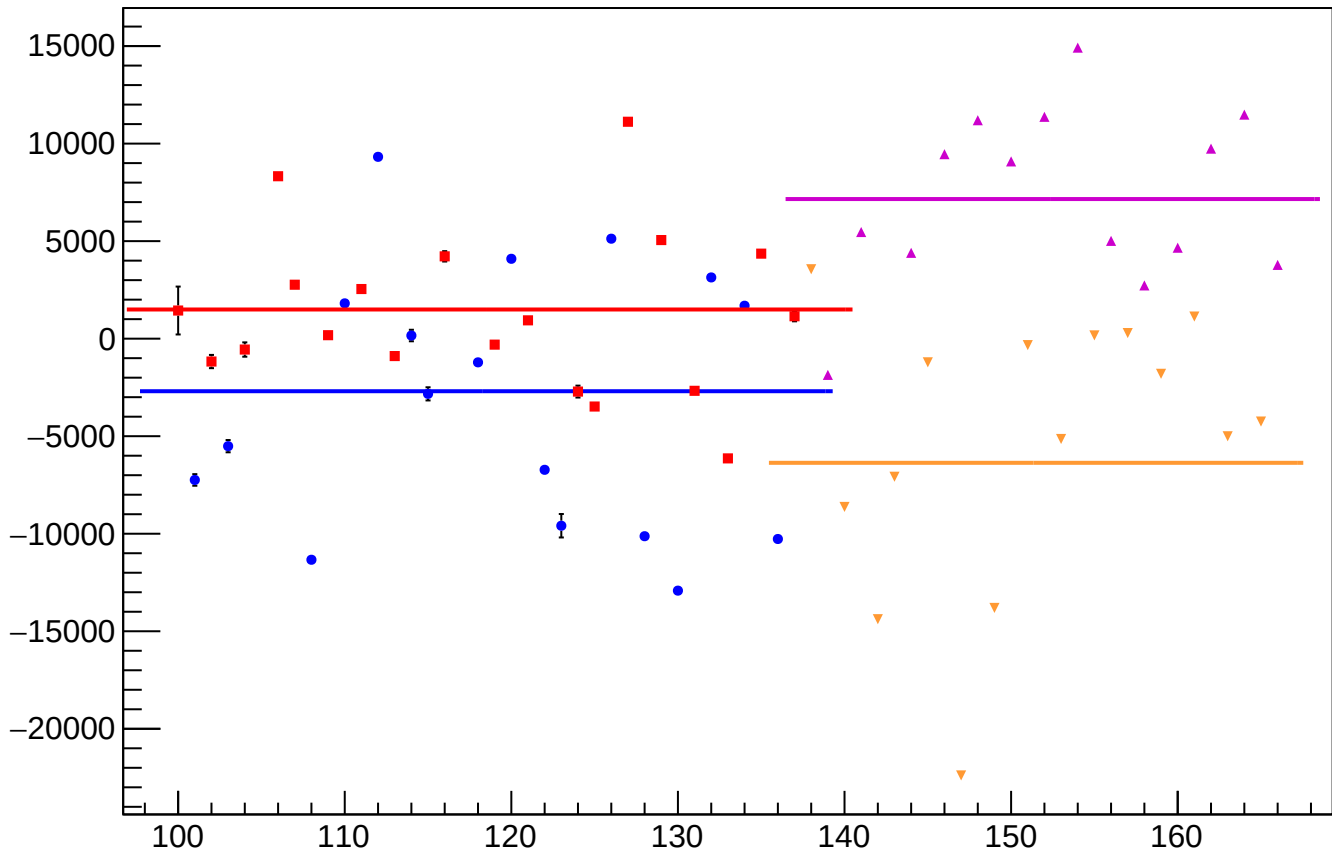
Left In: 132.927+/-0.029 χ^2/NDF : 611388.4/13

+ sign 125.789+/-0.022 χ^2/NDF : 1338793.2/31

All: 125.845+/-0.015 χ^2/NDF : 2771493.3/64

- sign 125.900+/-0.022 χ^2/NDF : 1432687.3/32

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260+/-46.347 χ^2/NDF : 22860.3/16

Left Out: -6364.445+/-39.334 χ^2/NDF : 37242.8/14

Right Out: 1495.744+/-44.445 χ^2/NDF : 8717.2/18

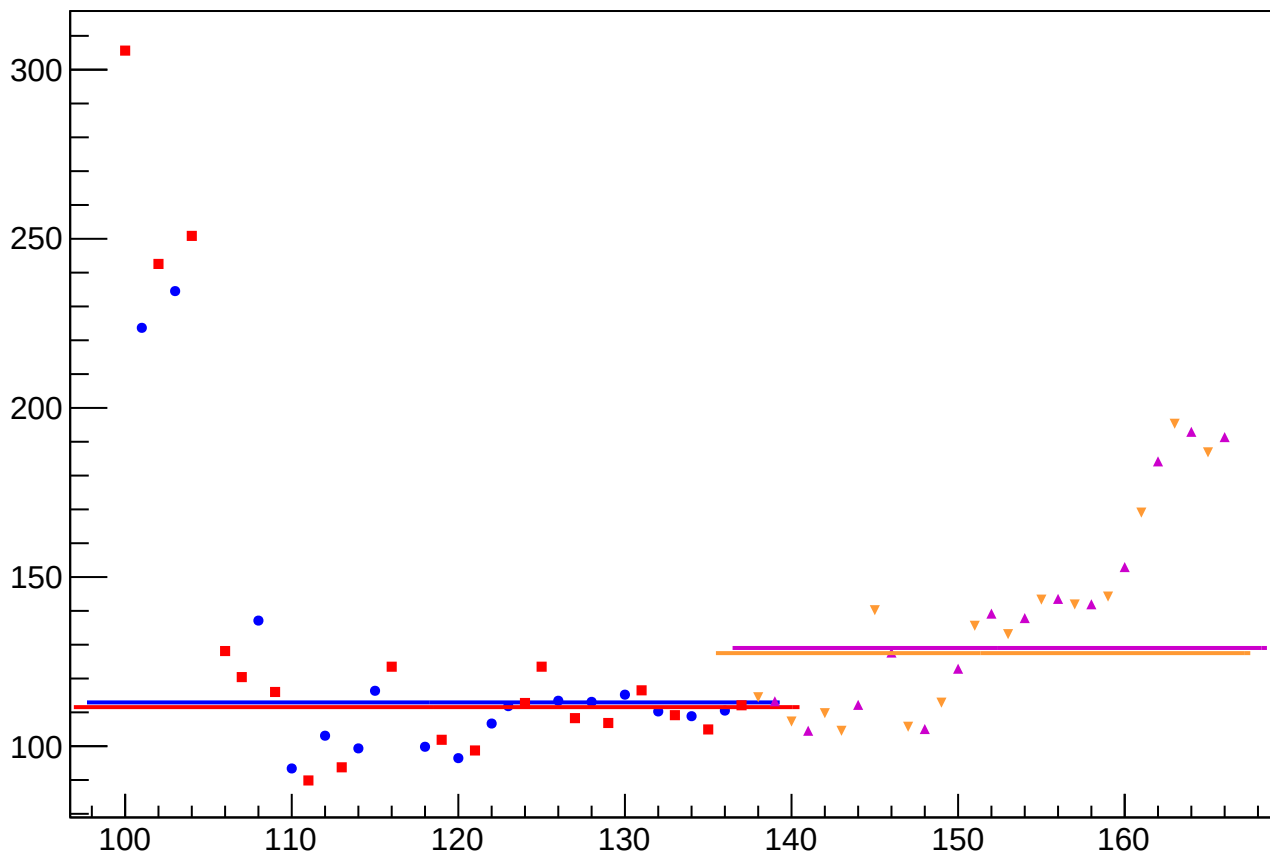
Left In: 7157.614+/-40.253 χ^2/NDF : 11588.1/13

+ sign -4827.757+/-29.990 χ^2/NDF : 63748.4/31

All: -86.482+/-21.151 χ^2/NDF : 142701.9/64

- sign 4606.169+/-29.836 χ^2/NDF : 29220.6/32

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 127.511 $\pm$ 0.028 χ^2 /NDF: 715516.1/14

Right Out: 111.544 $\pm$ 0.031 χ^2 /NDF: 765502.6/18

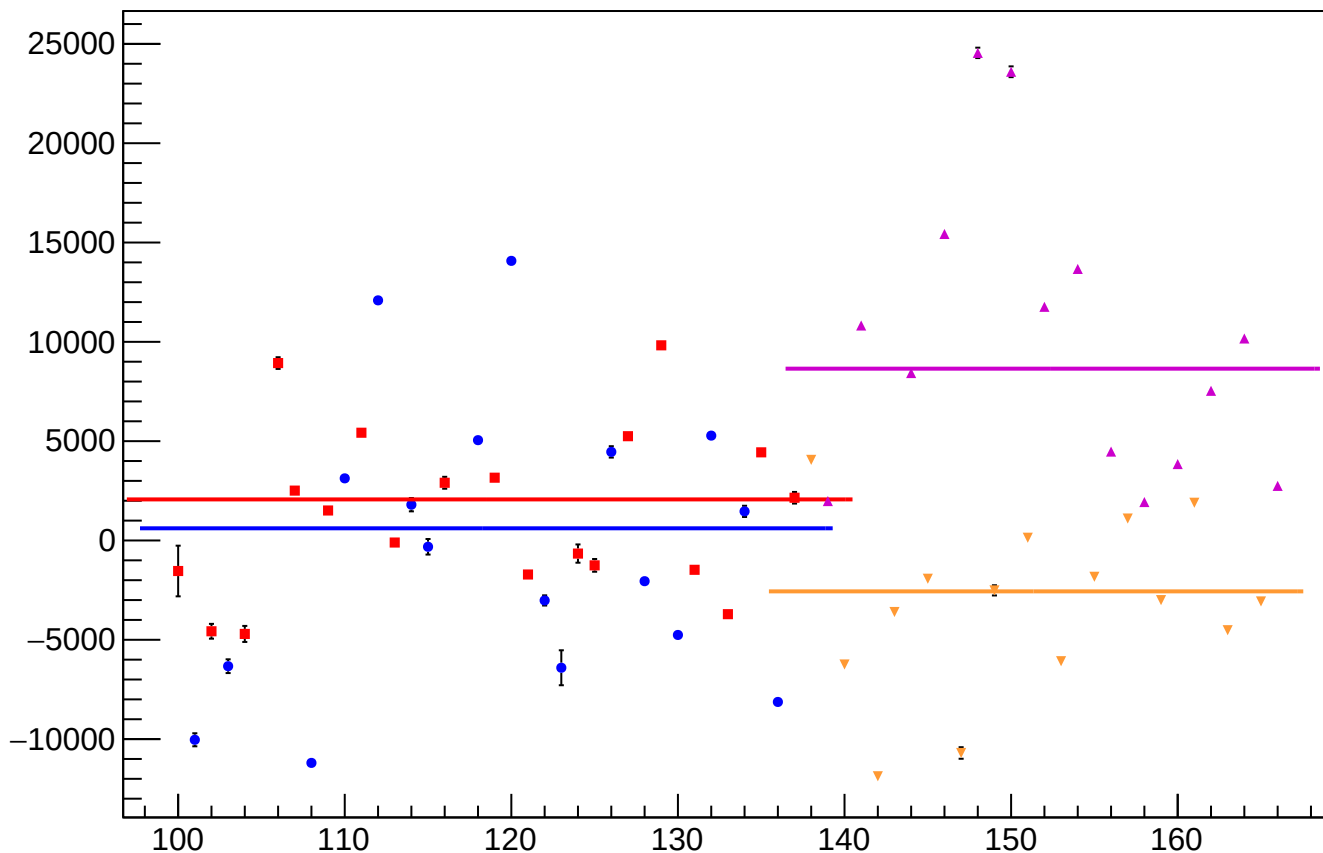
Left In: 129.033 $\pm$ 0.028 χ^2 /NDF: 703267.4/13

+ sign 121.410 $\pm$ 0.021 χ^2 /NDF: 1510702.4/31

All: 121.280 $\pm$ 0.015 χ^2 /NDF: 3149678.5/64

- sign 121.151 $\pm$ 0.021 χ^2 /NDF: 1638901.2/32

asym_bpm0i01WS_mean vs Slug



Right In: 612.621+/-56.062 χ^2/NDF : 18243.4/16

Left Out: -2562.476+/-47.505 χ^2/NDF : 6741.5/14

Right Out: 2067.410+/-53.931 χ^2/NDF : 4642.7/18

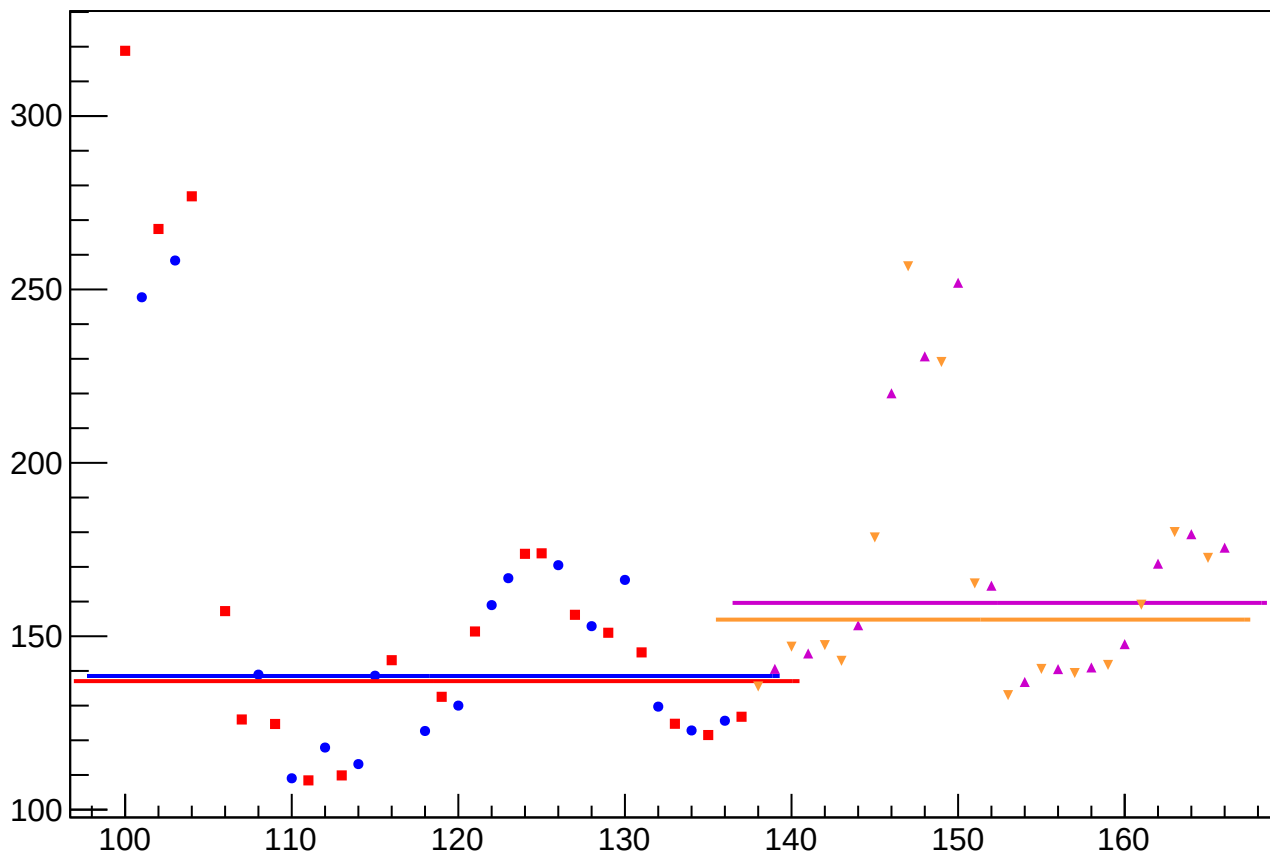
Left In: 8649.654+/-49.722 χ^2/NDF : 14586.4/13

+ sign -1235.460+/-36.243 χ^2/NDF : 26851.9/31

All: 2165.427+/-25.738 χ^2/NDF : 71895.9/64

- sign 5625.342+/-36.556 χ^2/NDF : 27281.0/32

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 154.800 $\pm$ 0.034 χ^2 /NDF: 624681.0/14

Right Out: 137.061 $\pm$ 0.038 χ^2 /NDF: 755491.9/18

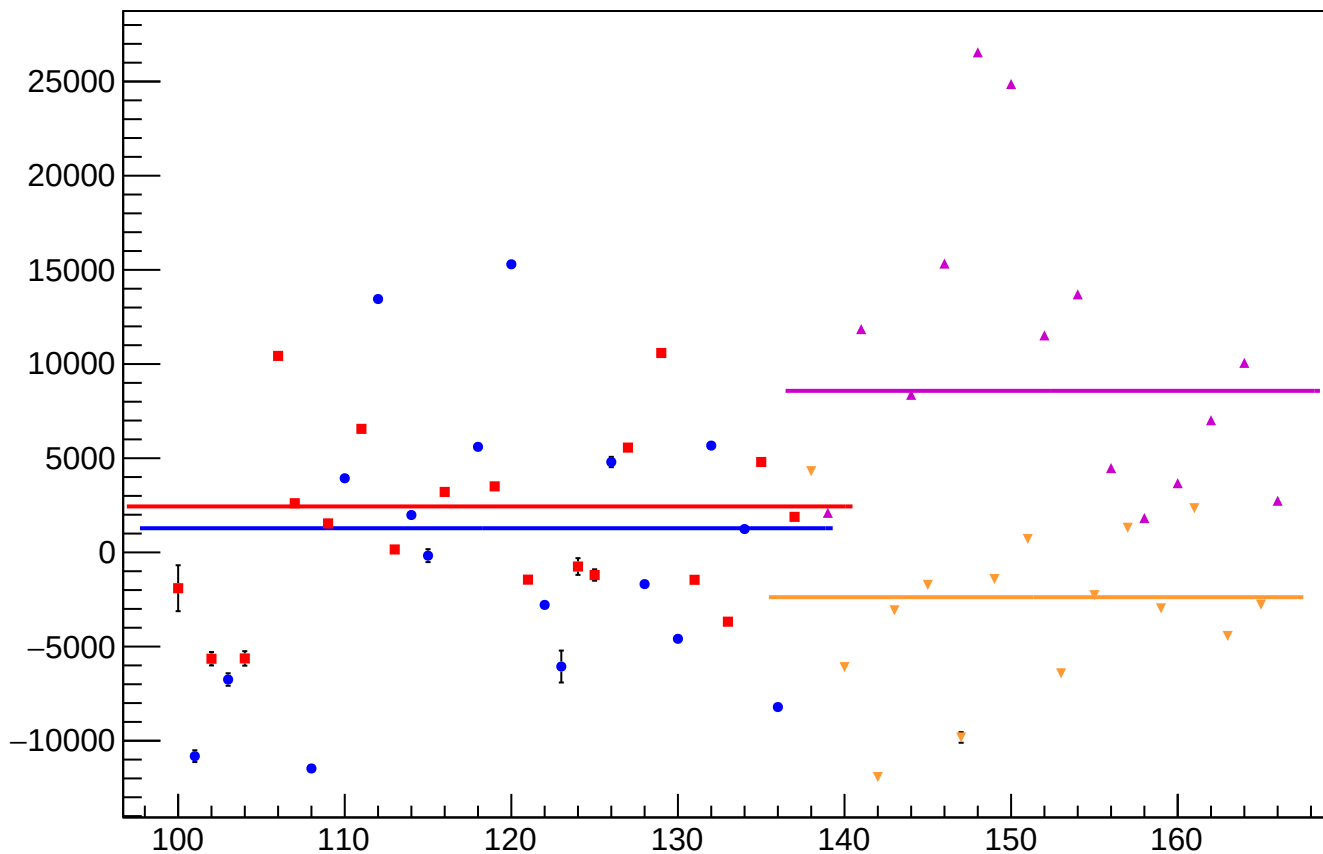
Left In: 159.621 $\pm$ 0.035 χ^2 /NDF: 689497.2/13

+ sign 148.005 $\pm$ 0.026 χ^2 /NDF: 1391523.5/31

All: 148.625 $\pm$ 0.018 χ^2 /NDF: 3026867.2/64

- sign 149.255 $\pm$ 0.026 χ^2 /NDF: 1634163.4/32

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -2377.868+/-42.252 χ^2/NDF : 9049.2/14

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

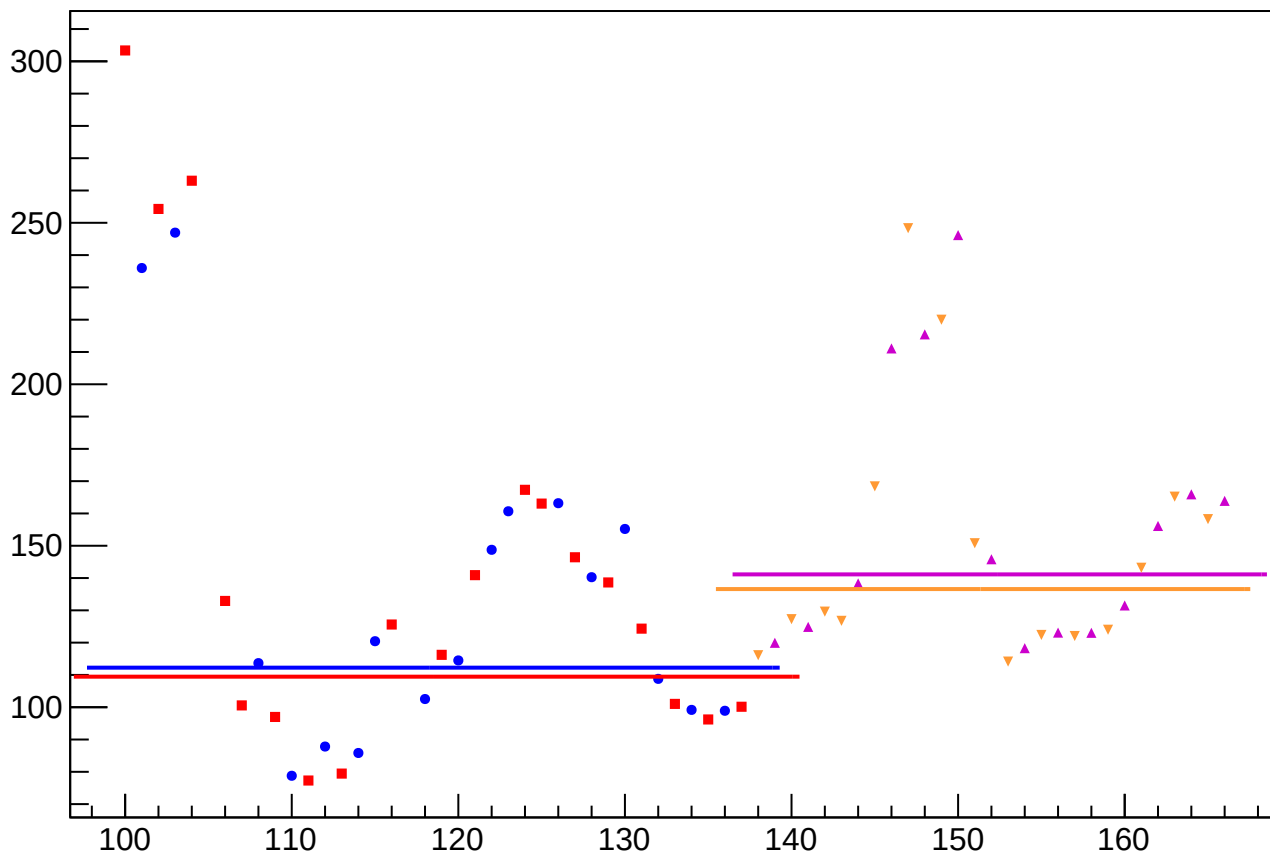
Left In: 8577.582+/-44.396 χ^2/NDF : 19399.7/13

+ sign -725.068+/-31.293 χ^2/NDF : 42979.3/31

All: 2382.047+/-22.149 χ^2/NDF : 99391.3/64

- sign 5501.277+/-31.354 χ^2/NDF : 36656.0/32

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 136.588+/-0.030 χ^2/NDF : 864492.4/14

Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

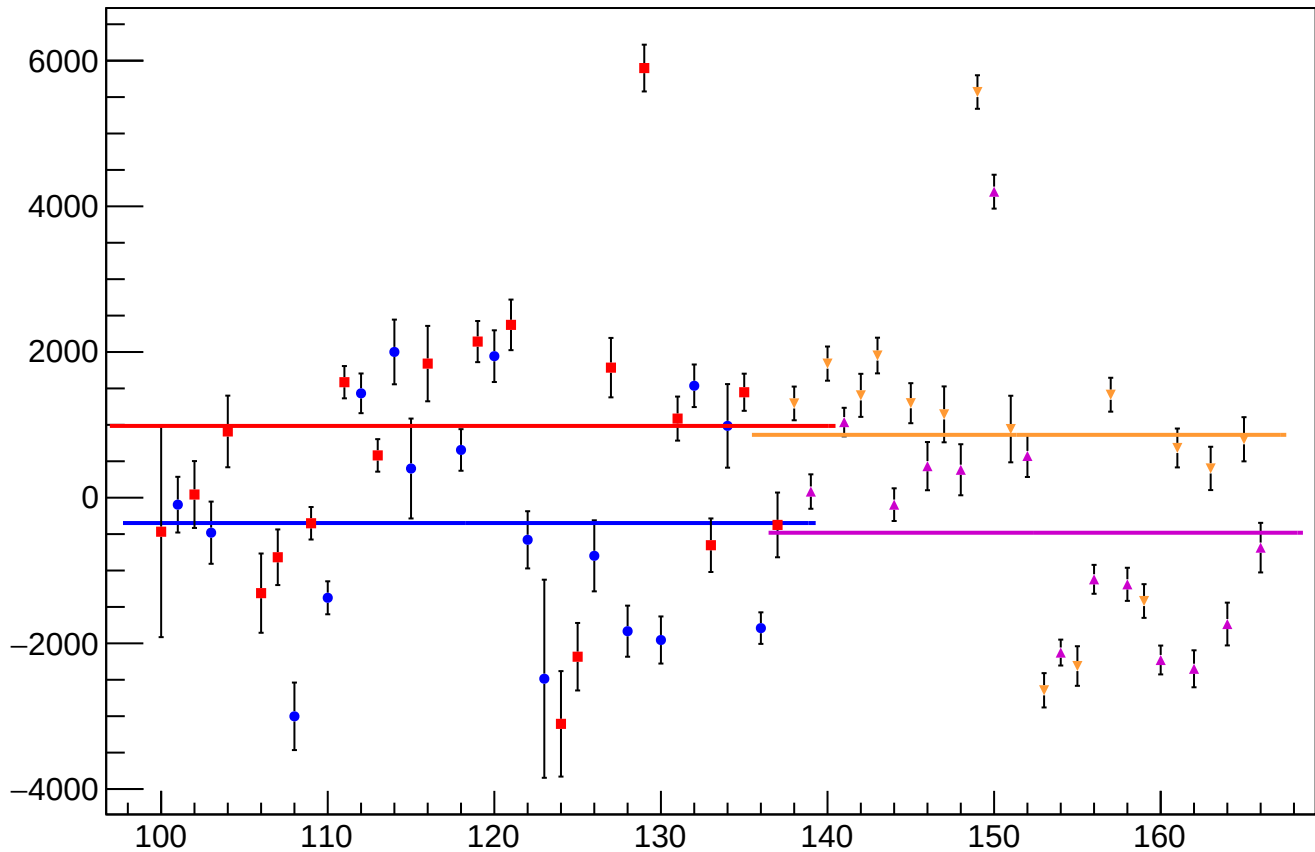
Left In: 141.133+/-0.031 χ^2/NDF : 943135.4/13

+ sign 125.600+/-0.022 χ^2/NDF : 2289601.3/31

All: 125.429+/-0.016 χ^2/NDF : 5012719.6/64

- sign 125.257+/-0.022 χ^2/NDF : 2722998.6/32

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 862.786 ± 68.432 χ^2/NDF : 928.3/14

Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

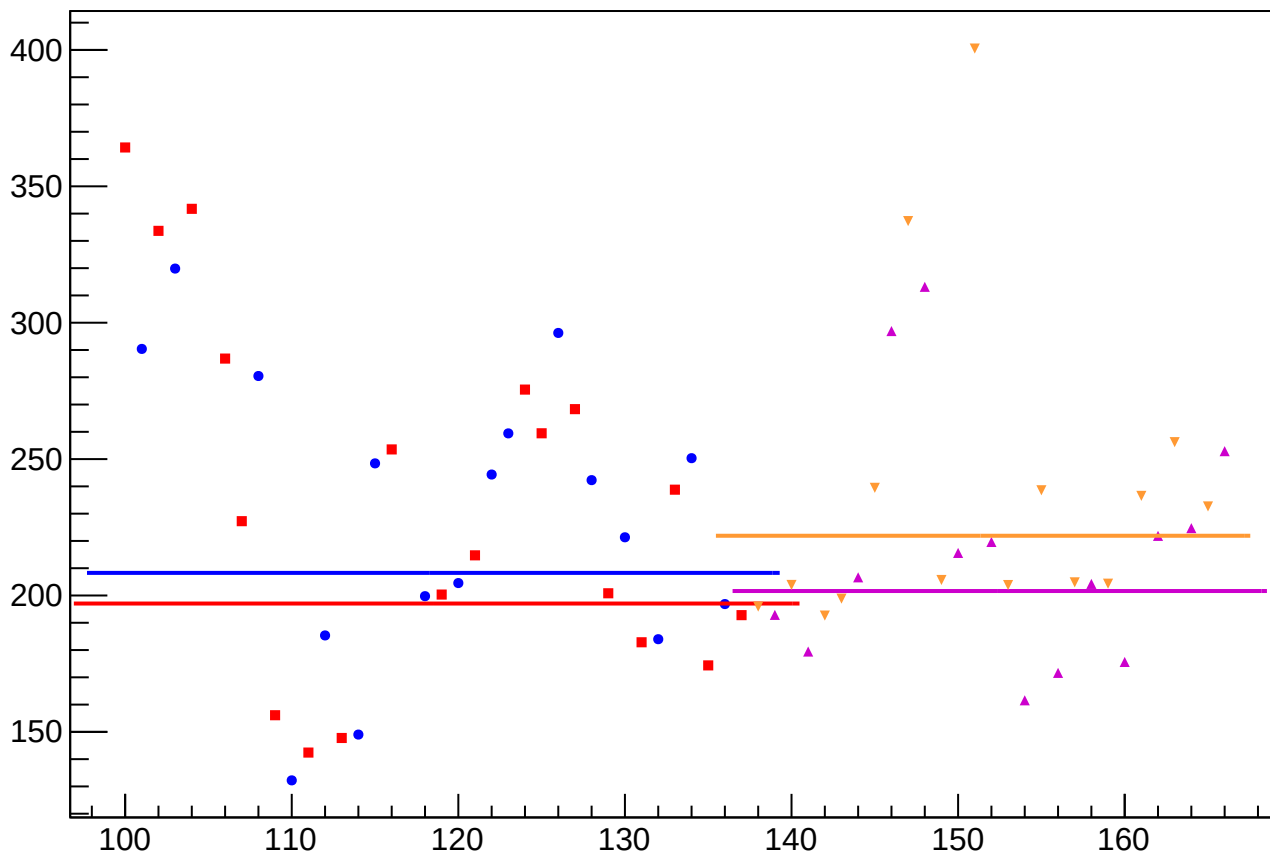
Left In: -481.333 ± 63.361 χ^2/NDF : 757.1/13

+ sign 378.547 ± 53.011 χ^2/NDF : 1370.8/31

All: 231.070 ± 36.022 χ^2/NDF : 2832.8/64

- sign 104.552 ± 49.100 χ^2/NDF : 1447.7/32

asym_bpm0l01WS_rms vs Slug



Right In: 208.288 $\pm$ 0.059 χ^2 /NDF: 698491.0/16

Left Out: 221.900 $\pm$ 0.048 χ^2 /NDF: 655350.1/14

Right Out: 197.051 $\pm$ 0.055 χ^2 /NDF: 926786.6/18

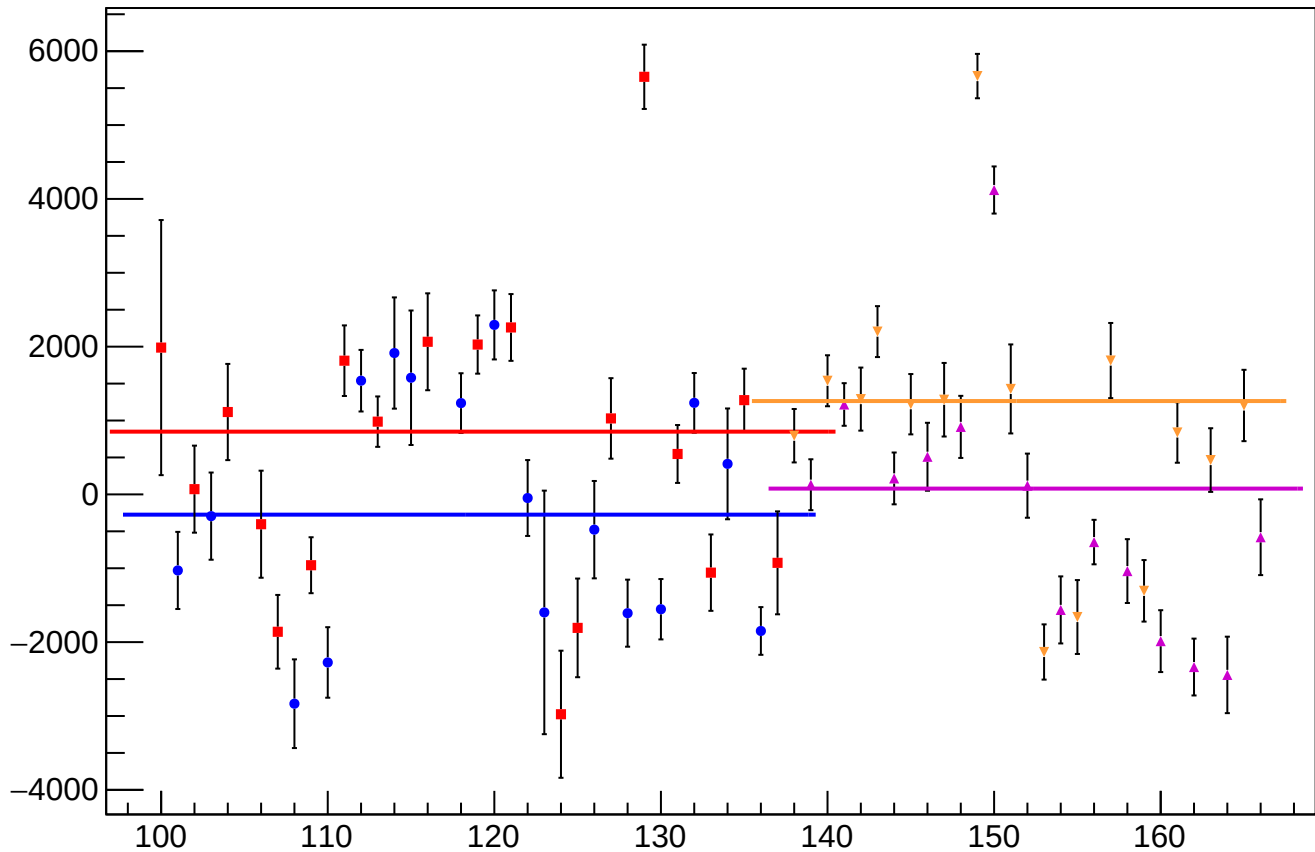
Left In: 201.638 $\pm$ 0.045 χ^2 /NDF: 664964.6/13

+ sign 216.456 $\pm$ 0.037 χ^2 /NDF: 1385489.7/31

All: 207.494 $\pm$ 0.025 χ^2 /NDF: 3087630.6/64

- sign 199.806 $\pm$ 0.035 χ^2 /NDF: 1595938.7/32

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 1263.554 ± 105.288 χ^2/NDF : 384.7/14

Right Out: 849.413 ± 115.349 χ^2/NDF : 263.3/18

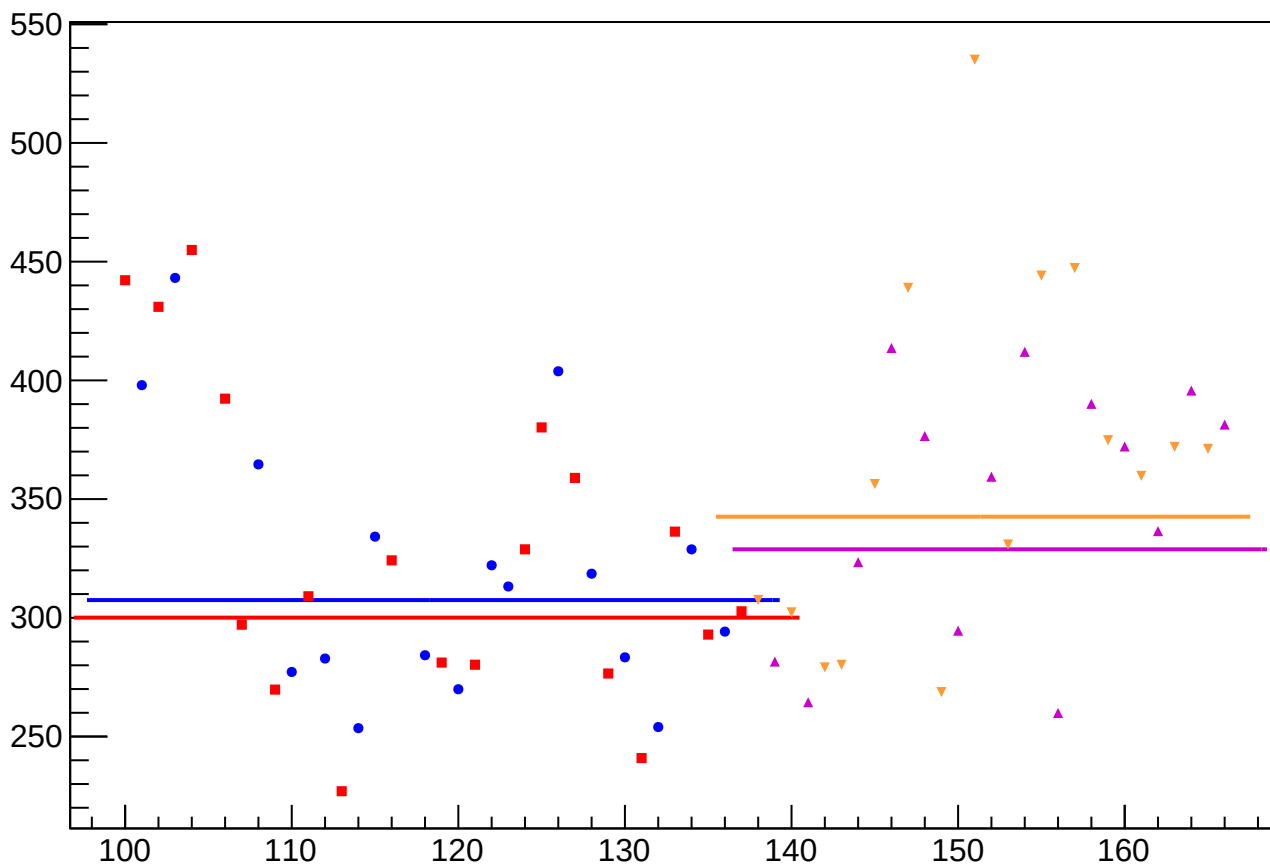
Left In: 78.357 ± 102.419 χ^2/NDF : 295.8/13

+ sign 602.937 ± 79.520 χ^2/NDF : 647.9/31

All: 507.131 ± 55.163 χ^2/NDF : 1234.7/64

- sign 418.264 ± 76.586 χ^2/NDF : 584.1/32

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 $\pm$ 0.086 χ^2 /NDF: 323096.7/16

Left Out: 342.584 $\pm$ 0.074 χ^2 /NDF: 758858.5/14

Right Out: 300.069 $\pm$ 0.082 χ^2 /NDF: 490398.9/18

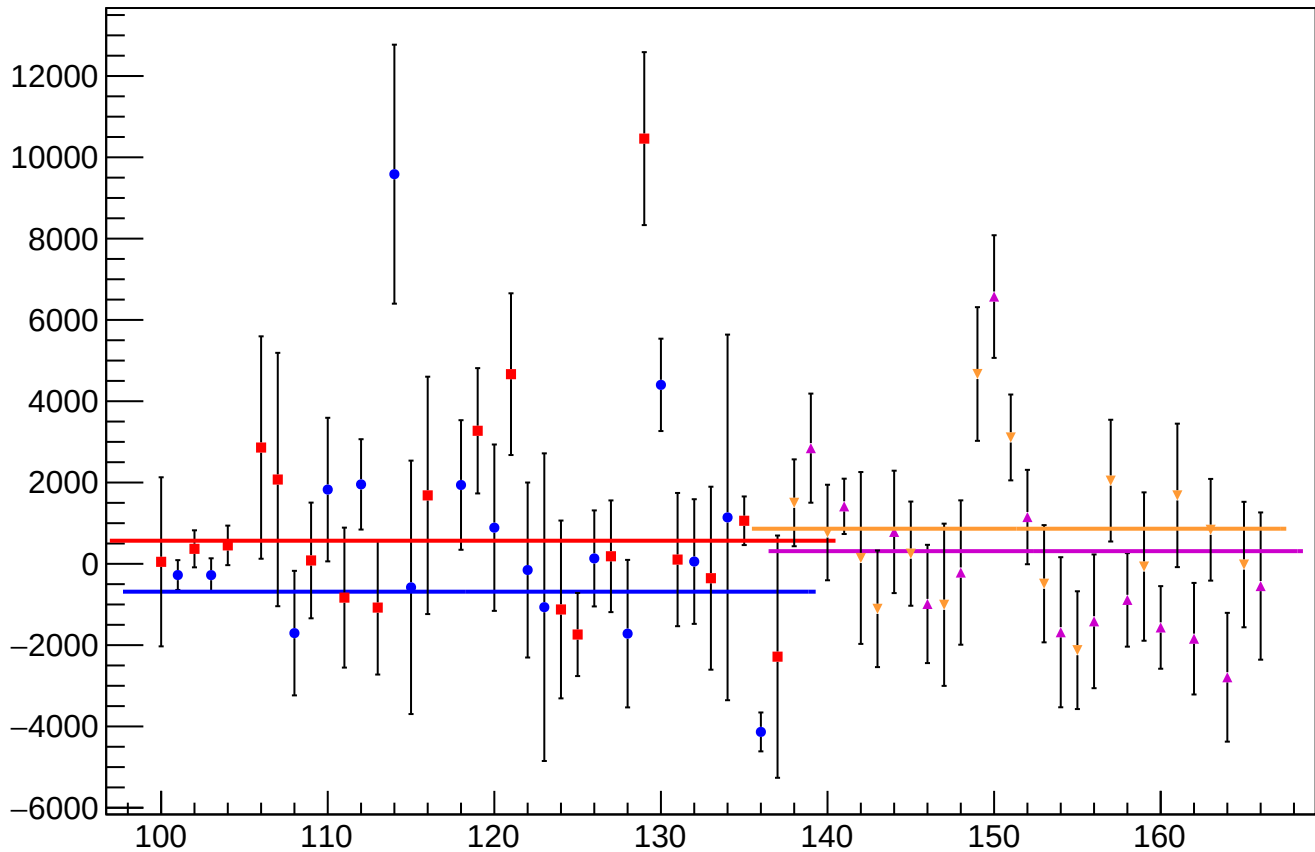
Left In: 328.852 $\pm$ 0.072 χ^2 /NDF: 553313.5/13

+ sign 327.499 $\pm$ 0.056 χ^2 /NDF: 1177525.0/31

All: 321.618 $\pm$ 0.039 χ^2 /NDF: 2311948.5/64

- sign 316.163 $\pm$ 0.054 χ^2 /NDF: 1113341.2/32

asym_bpm0l03WS_mean vs Slug



Right In: -685.056 ± 210.341 χ^2/NDF : 97.4/16

Left Out: 863.829 ± 364.651 χ^2/NDF : 19.9/14

Right Out: 568.651 ± 243.251 χ^2/NDF : 39.7/18

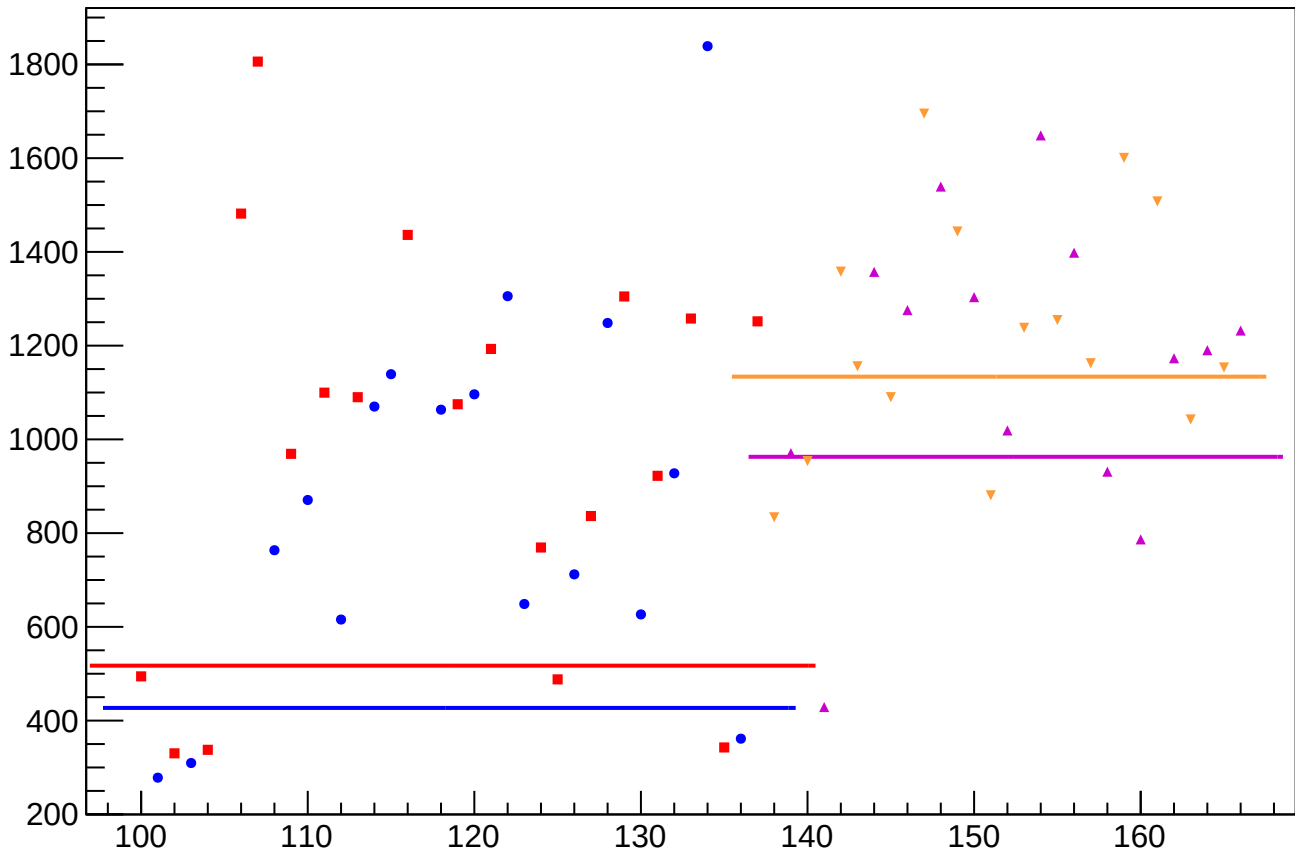
Left In: 312.009 ± 338.095 χ^2/NDF : 38.2/13

+ sign -298.360 ± 182.202 χ^2/NDF : 130.8/31

All: 60.109 ± 133.904 χ^2/NDF : 217.5/64

- sign 481.114 ± 197.456 χ^2/NDF : 78.3/32

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 1133.831+/-0.258 χ^2/NDF : 830836.9/14

Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

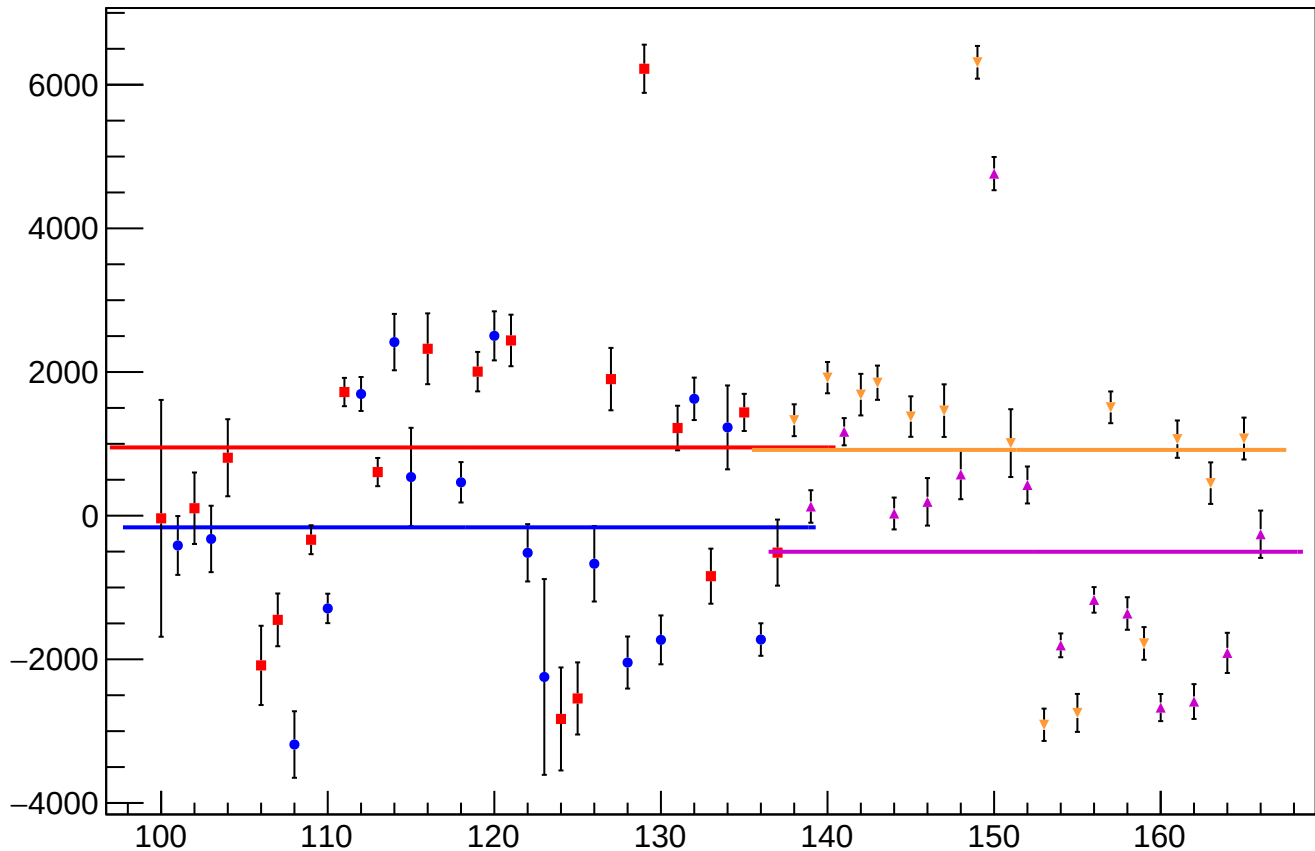
Left In: 962.820+/-0.239 χ^2/NDF : 2388601.0/13

+ sign 603.527+/-0.129 χ^2/NDF : 9333758.5/31

All: 633.737+/-0.095 χ^2/NDF : 17736026.5/64

- sign 669.217+/-0.140 χ^2/NDF : 8282711.7/32

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 χ^2/NDF : 387.6/16

Left Out: 915.821 ± 66.368 χ^2/NDF : 1244.2/14

Right Out: 950.093 ± 75.133 χ^2/NDF : 539.8/18

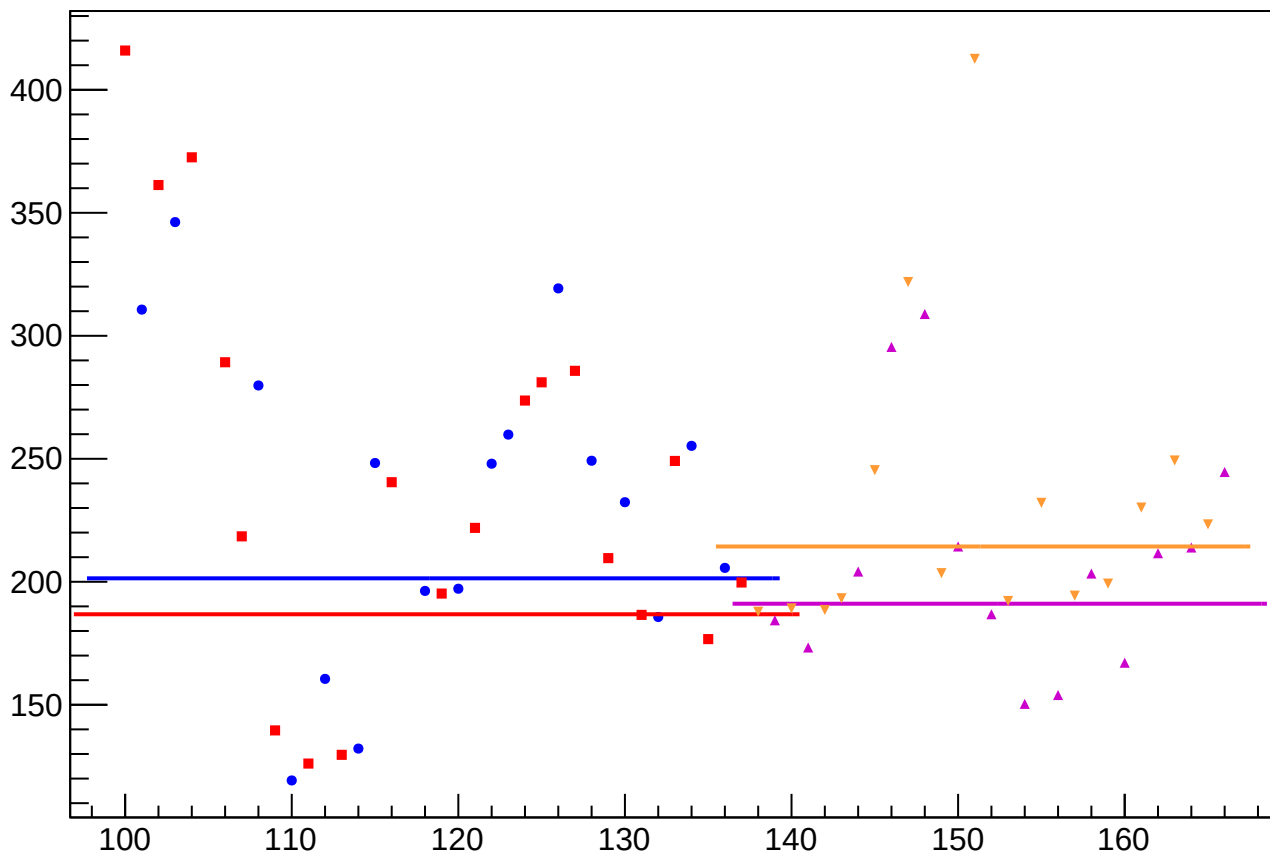
Left In: -502.475 ± 60.460 χ^2/NDF : 958.6/13

+ sign 491.283 ± 51.675 χ^2/NDF : 1735.7/31

All: 260.332 ± 34.811 χ^2/NDF : 3497.5/64

- sign 68.441 ± 47.103 χ^2/NDF : 1725.2/32

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 214.348 $\pm$ 0.047 χ^2 /NDF: 732731.8/14

Right Out: 186.797 $\pm$ 0.053 χ^2 /NDF: 1393162.0/18

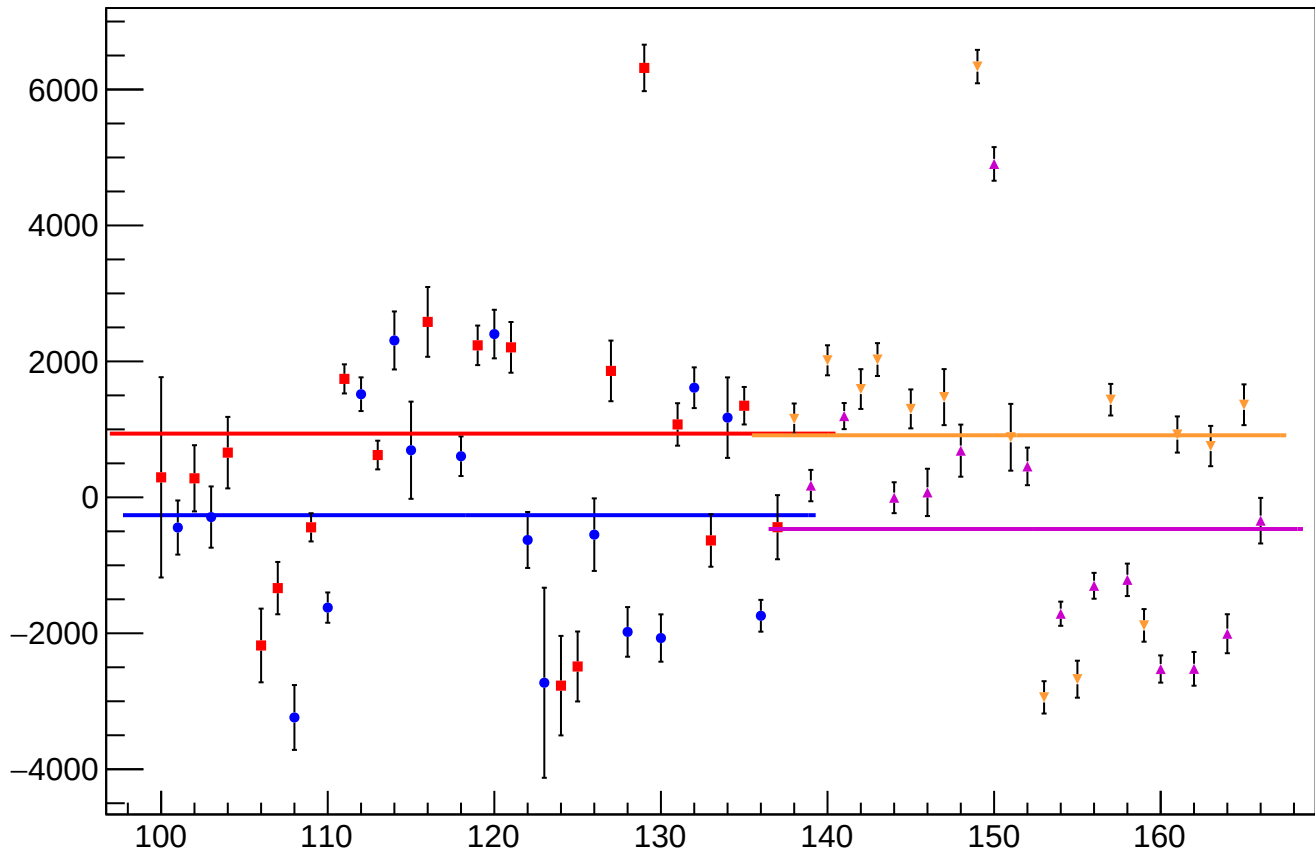
Left In: 191.083 $\pm$ 0.043 χ^2 /NDF: 804725.9/13

+ sign 209.253 $\pm$ 0.037 χ^2 /NDF: 1818686.1/31

All: 198.409 $\pm$ 0.025 χ^2 /NDF: 4181786.8/64

- sign 189.399 $\pm$ 0.033 χ^2 /NDF: 2201837.0/32

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 912.998 ± 68.800 χ^2/NDF : 1124.3/14

Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

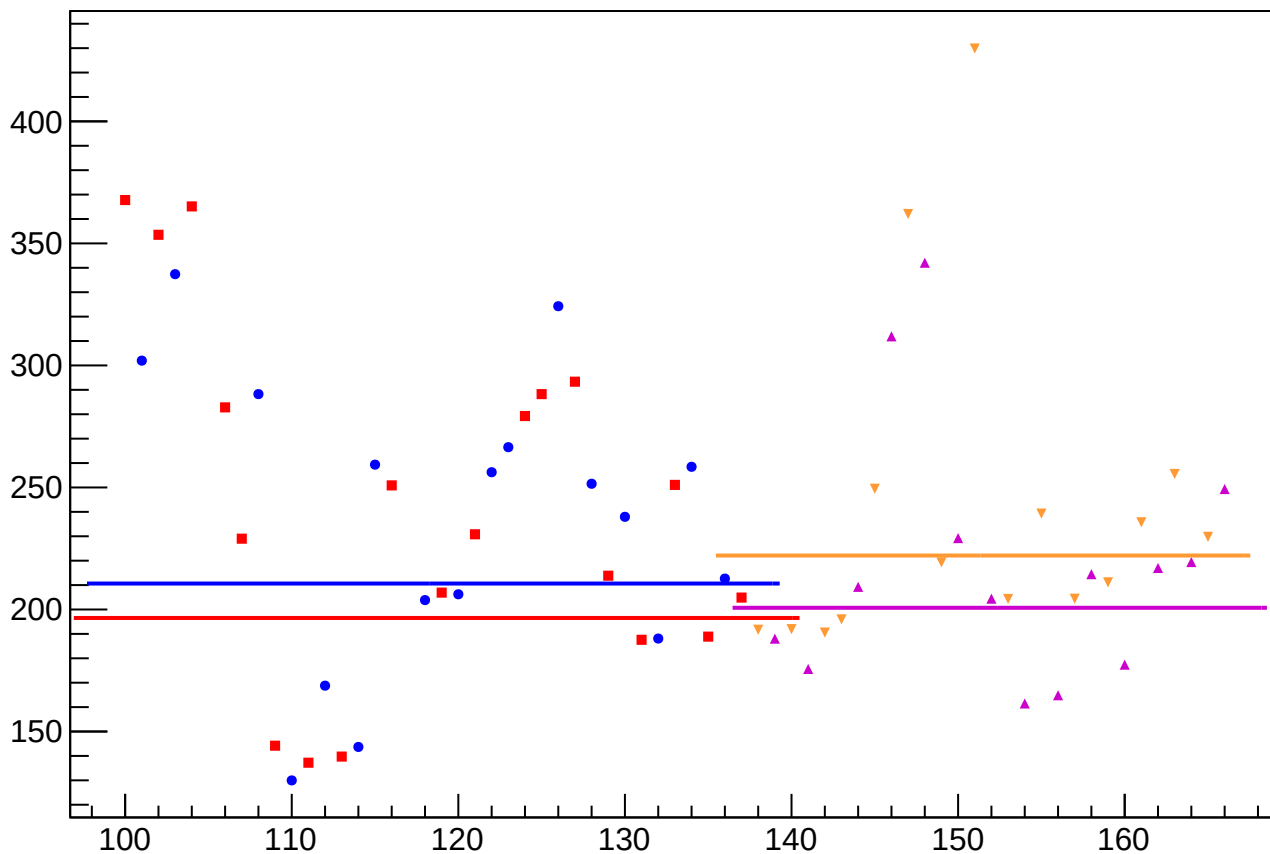
Left In: -465.823 ± 63.399 χ^2/NDF : 862.1/13

+ sign 450.633 ± 53.585 χ^2/NDF : 1607.8/31

All: 254.695 ± 36.283 χ^2/NDF : 3210.2/64

- sign 88.801 ± 49.306 χ^2/NDF : 1577.7/32

asym_bpm0l05WS_rms vs Slug



Right In: 210.636 $\pm$ 0.060 χ^2 /NDF: 875776.4/16

Left Out: 222.112 $\pm$ 0.049 χ^2 /NDF: 793495.0/14

Right Out: 196.528 $\pm$ 0.055 χ^2 /NDF: 1205091.0/18

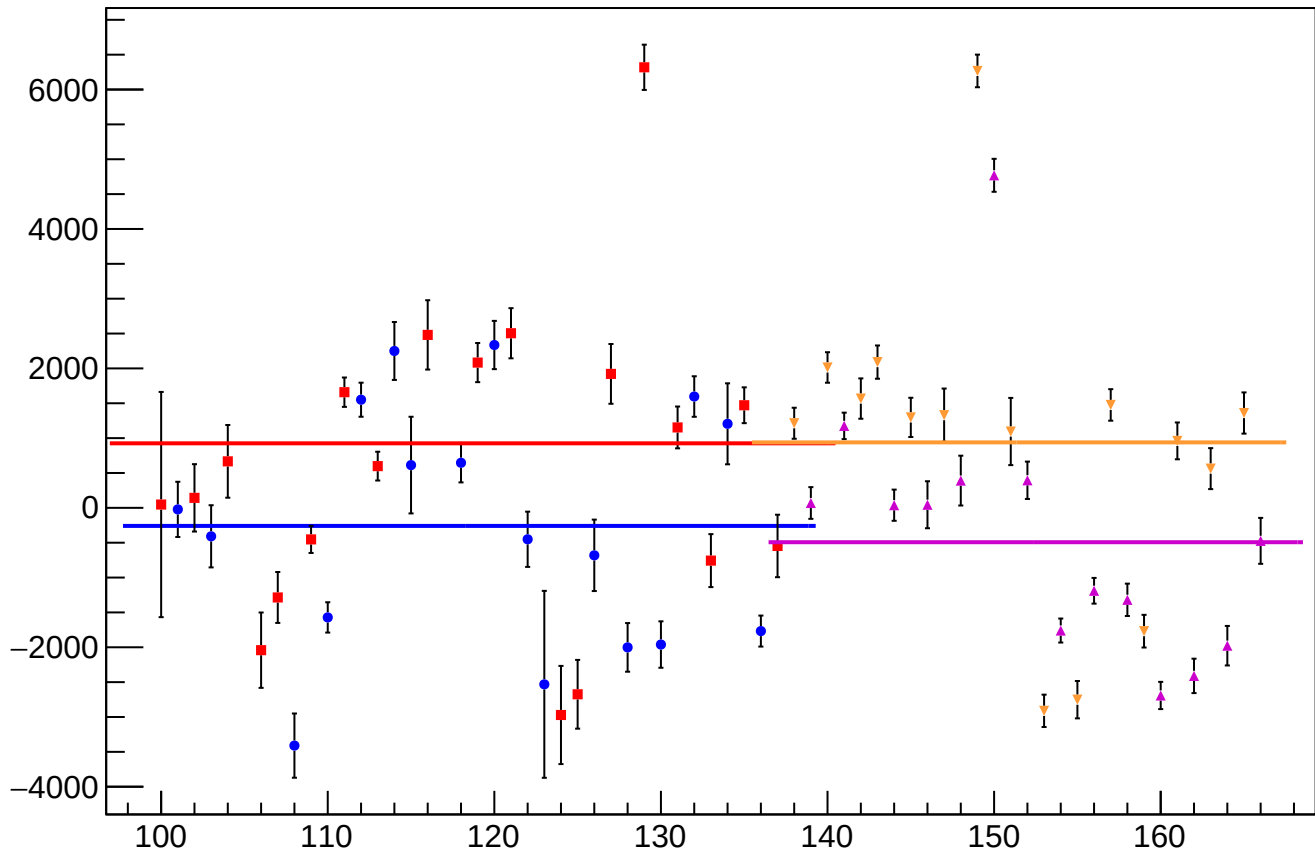
Left In: 200.698 $\pm$ 0.045 χ^2 /NDF: 807826.5/13

+ sign 217.597 $\pm$ 0.038 χ^2 /NDF: 1691162.2/31

All: 207.554 $\pm$ 0.026 χ^2 /NDF: 3837249.0/64

- sign 199.050 $\pm$ 0.035 χ^2 /NDF: 2016336.2/32

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 938.837 ± 67.374 χ^2/NDF : 1182.9/14

Right Out: 925.534 ± 75.503 χ^2/NDF : 581.9/18

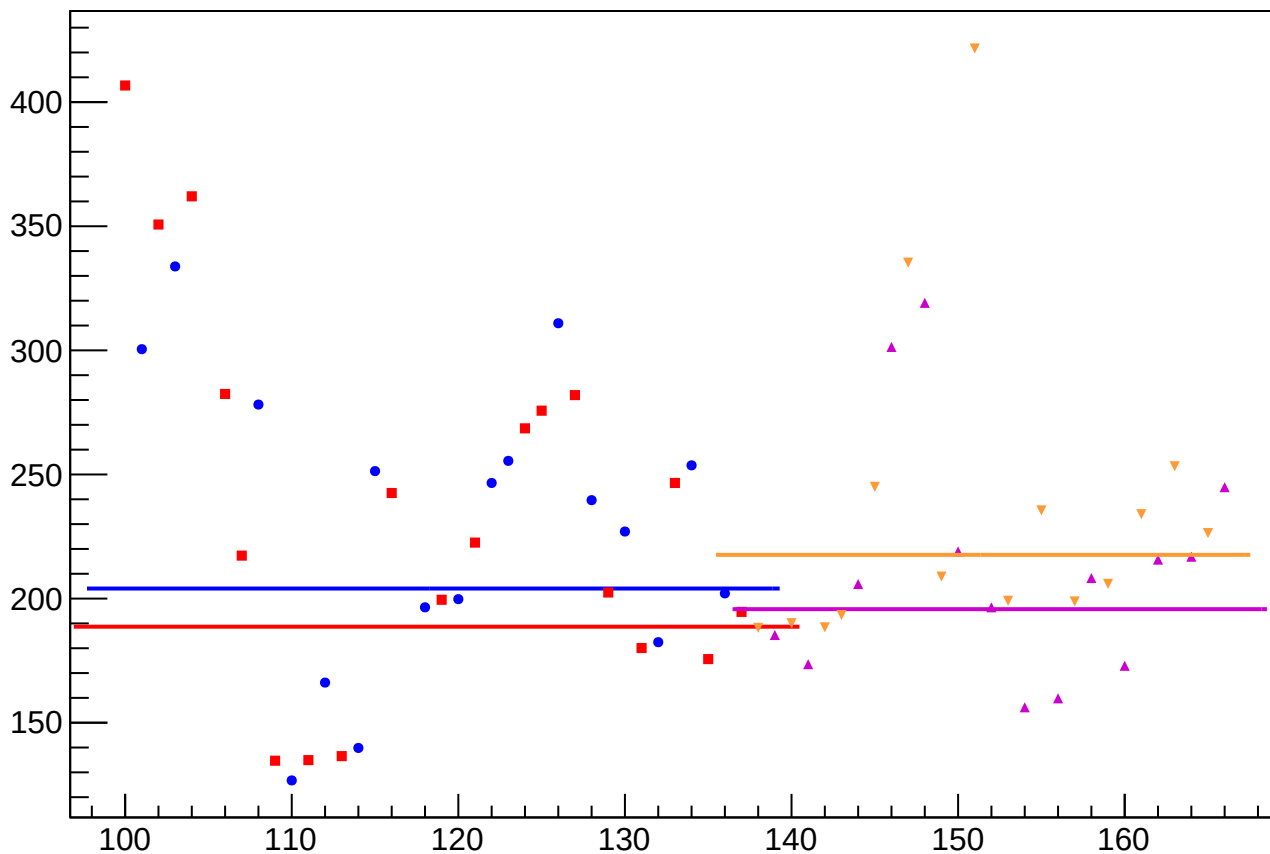
Left In: -493.102 ± 61.830 χ^2/NDF : 899.9/13

+ sign 461.638 ± 52.260 χ^2/NDF : 1700.1/31

All: 252.008 ± 35.286 χ^2/NDF : 3422.7/64

- sign 76.358 ± 47.837 χ^2/NDF : 1693.1/32

asym_bpm0l06WS_rms vs Slug



Right In: 204.051 $\pm$ 0.059 χ^2 /NDF: 868423.0/16

Left Out: 217.622 $\pm$ 0.048 χ^2 /NDF: 757009.2/14

Right Out: 188.681 $\pm$ 0.053 χ^2 /NDF: 1251107.4/18

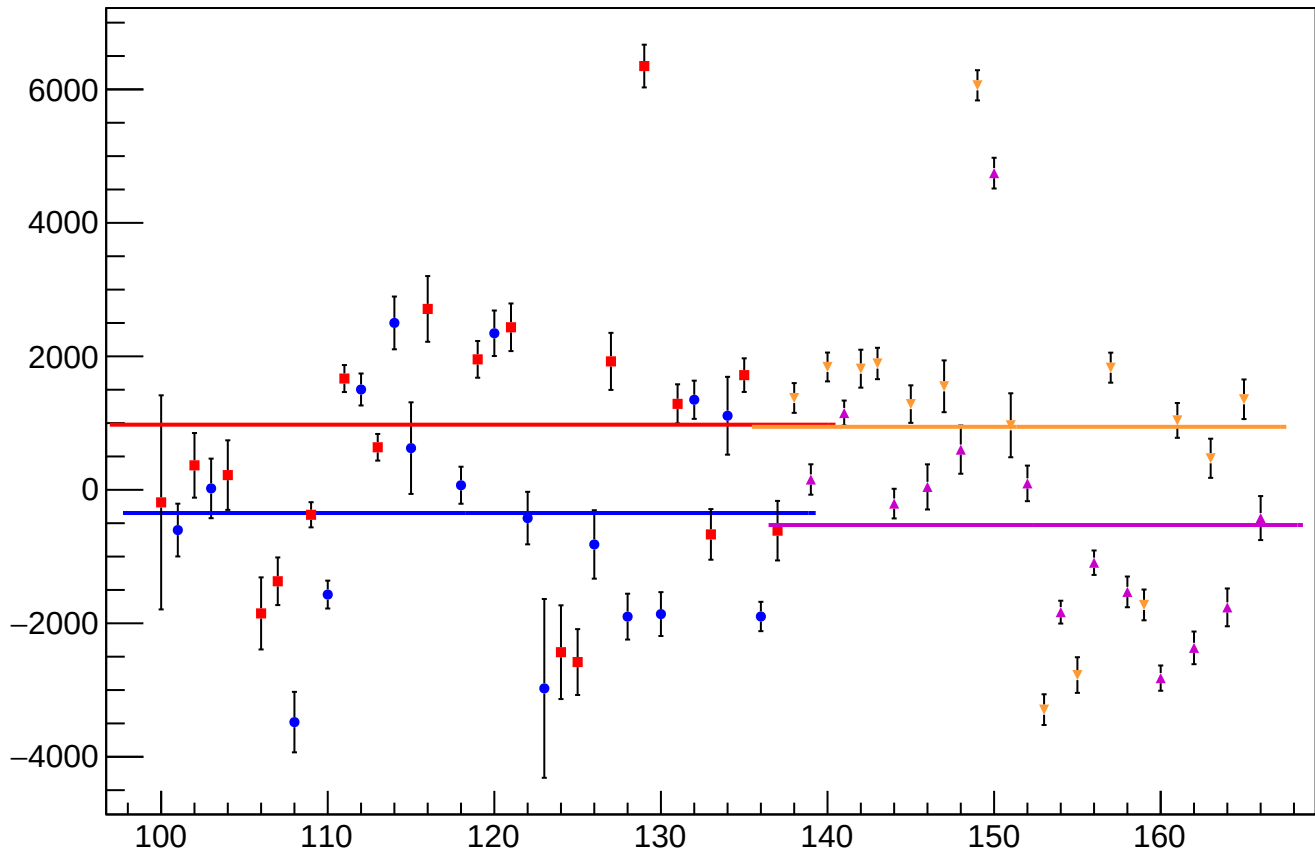
Left In: 195.738 $\pm$ 0.044 χ^2 /NDF: 773217.2/13

+ sign 212.216 $\pm$ 0.037 χ^2 /NDF: 1657756.5/31

All: 201.709 $\pm$ 0.025 χ^2 /NDF: 3841131.9/64

- sign 192.905 $\pm$ 0.034 χ^2 /NDF: 2034785.8/32

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 $\chi^2/\text{NDF}: 399.1/16$

Left Out: 944.217 ± 66.778 $\chi^2/\text{NDF}: 1247.3/14$

Right Out: 976.286 ± 73.889 $\chi^2/\text{NDF}: 585.7/18$

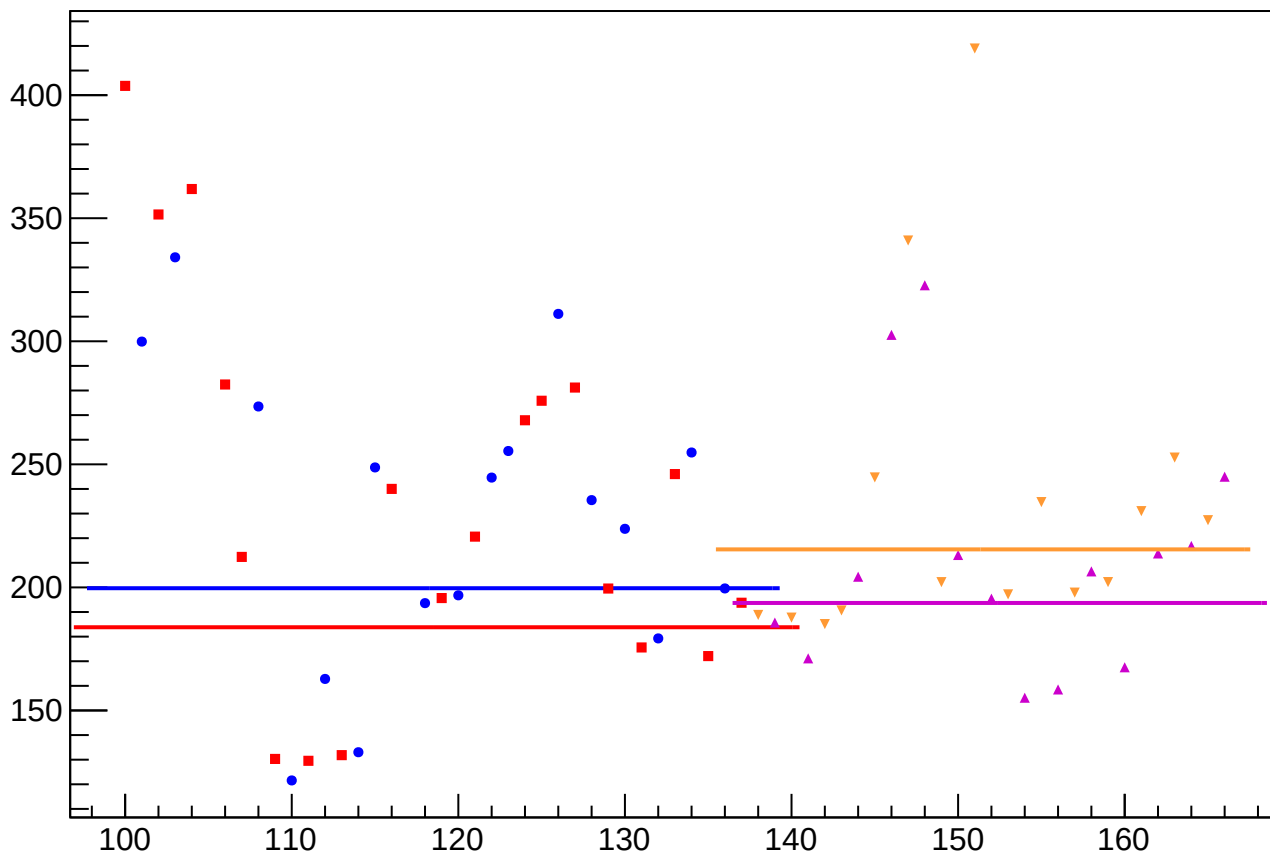
Left In: -527.359 ± 61.242 $\chi^2/\text{NDF}: 943.7/13$

+ sign 424.068 ± 51.607 $\chi^2/\text{NDF}: 1797.0/31$

All: 239.246 ± 34.810 $\chi^2/\text{NDF}: 3595.4/64$

- sign 84.960 ± 47.152 $\chi^2/\text{NDF}: 1774.9/32$

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 215.446 $\pm$ 0.047 χ^2 /NDF: 789028.6/14

Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

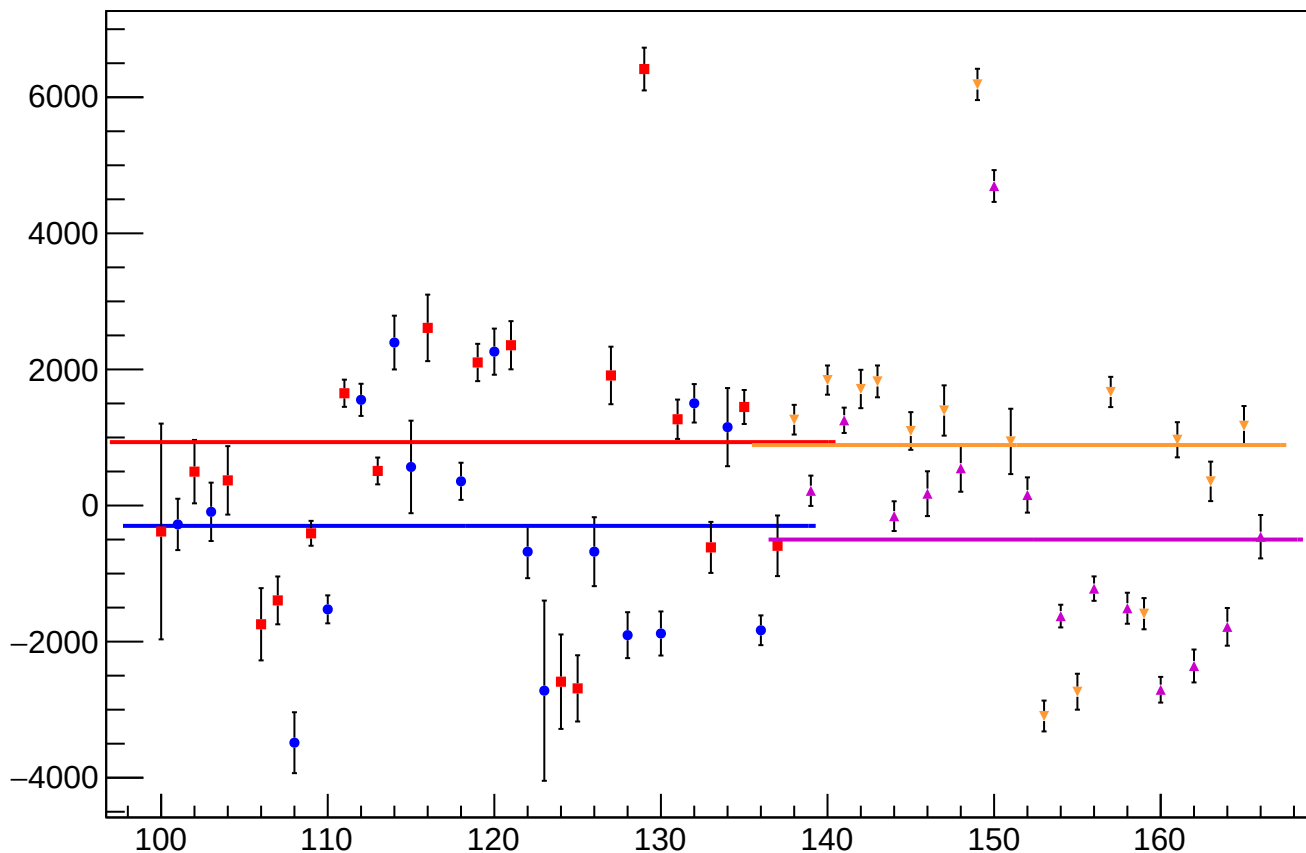
Left In: 193.678 $\pm$ 0.043 χ^2 /NDF: 807768.3/13

+ sign 209.092 $\pm$ 0.036 χ^2 /NDF: 1777147.2/31

All: 198.500 $\pm$ 0.025 χ^2 /NDF: 4110254.4/64

- sign 189.659 $\pm$ 0.033 χ^2 /NDF: 2178548.3/32

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 889.119 ± 66.075 χ^2/NDF : 1211.8/14

Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

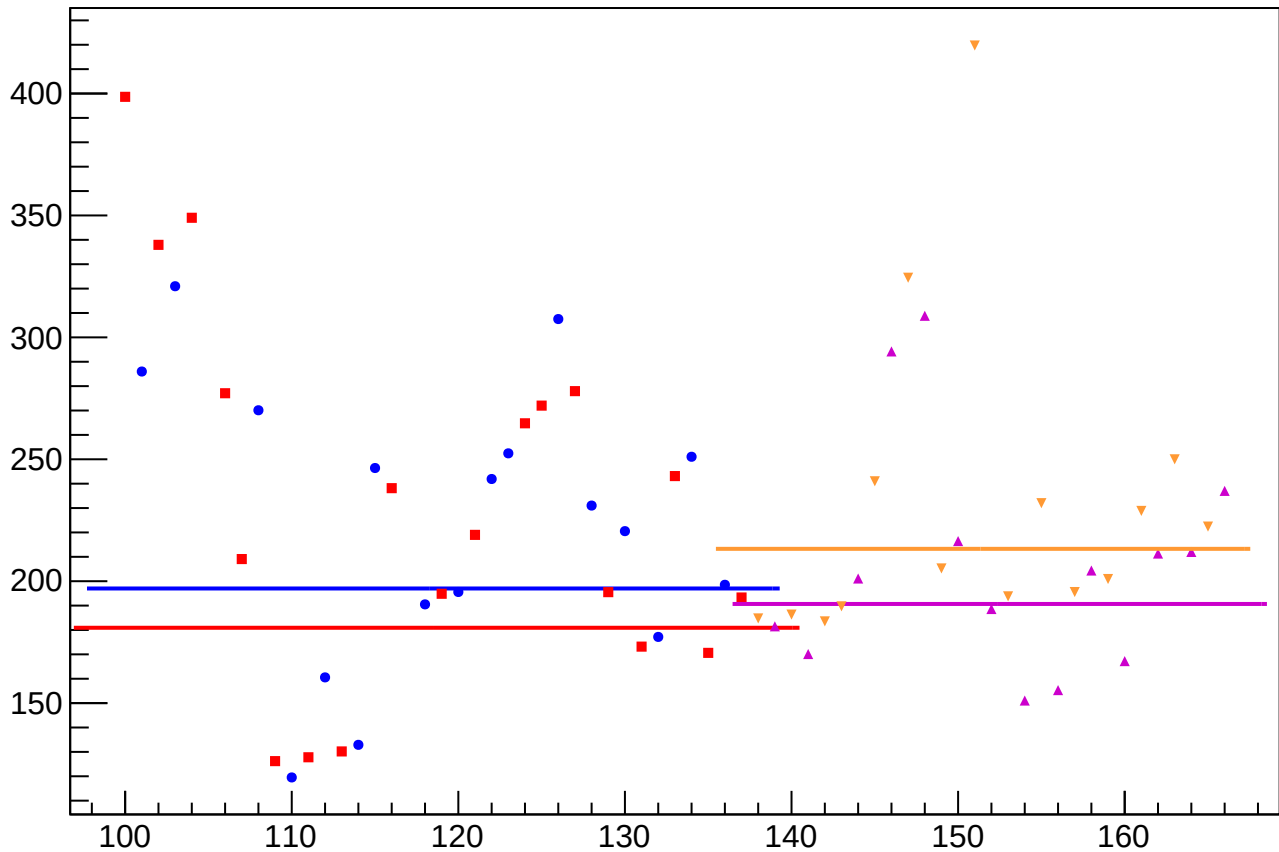
Left In: -499.978 ± 60.298 χ^2/NDF : 914.1/13

+ sign 408.469 ± 50.987 χ^2/NDF : 1749.2/31

All: 230.574 ± 34.327 χ^2/NDF : 3529.9/64

- sign 83.088 ± 46.425 χ^2/NDF : 1758.5/32

asym_bpm0l08WS_rms vs Slug



Right In: 197.013+/-0.057 χ^2/NDF : 911923.5/16

Left Out: 213.274+/-0.047 χ^2/NDF : 766348.5/14

Right Out: 180.906+/-0.051 χ^2/NDF : 1345685.7/18

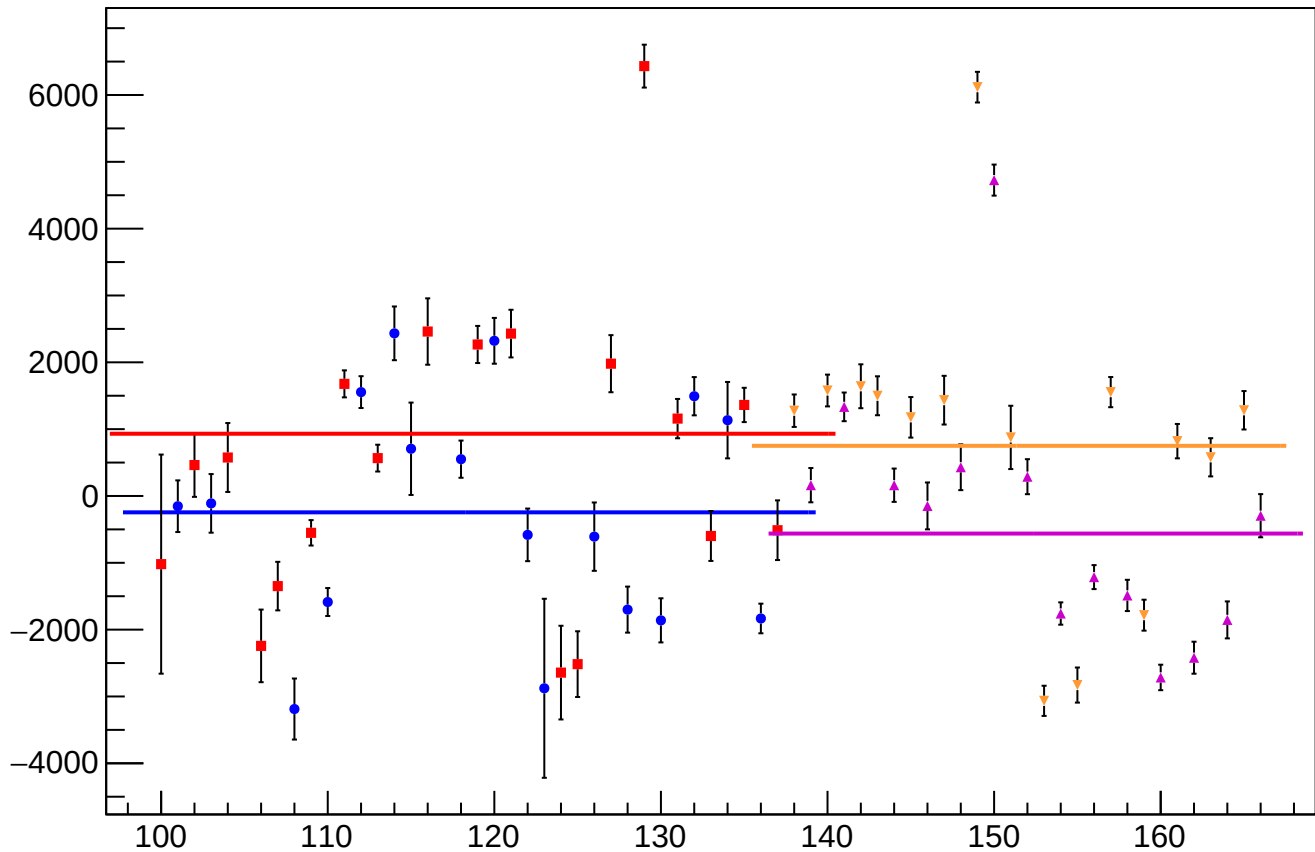
Left In: 190.668+/-0.043 χ^2/NDF : 785601.1/13

+ sign 206.695+/-0.036 χ^2/NDF : 1727271.3/31

All: 195.759+/-0.024 χ^2/NDF : 4048197.4/64

- sign 186.692+/-0.033 χ^2/NDF : 2152631.5/32

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 750.547 ± 69.102 χ^2/NDF : 1191.6/14

Right Out: 931.272 ± 74.206 χ^2/NDF : 609.7/18

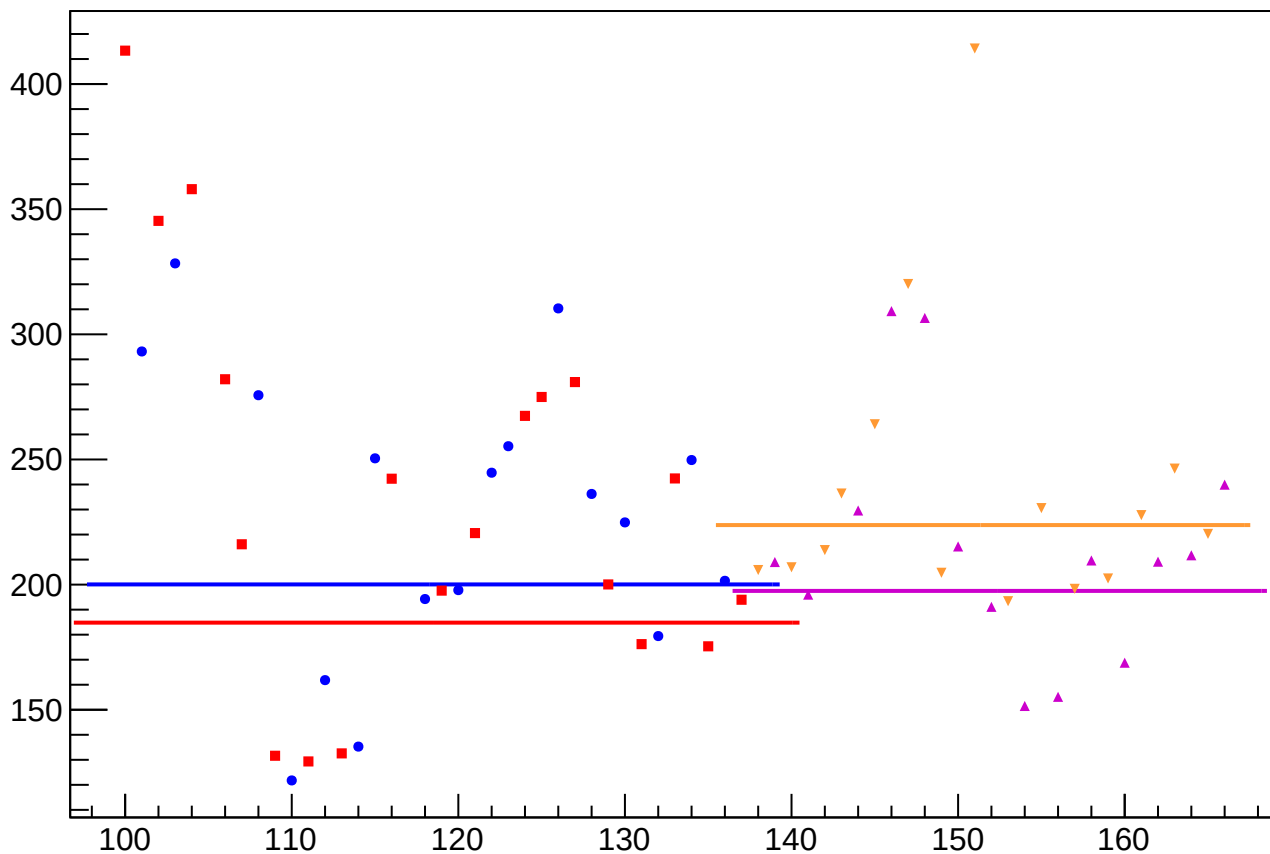
Left In: -562.335 ± 62.558 χ^2/NDF : 923.2/13

+ sign 333.581 ± 52.678 χ^2/NDF : 1670.0/31

All: 182.622 ± 35.411 χ^2/NDF : 3454.7/64

- sign 58.175 ± 47.829 χ^2/NDF : 1769.8/32

asym_bpm0l09WS_rms vs Slug



Right In: 200.078+/-0.058 χ^2/NDF : 918309.2/16

Left Out: 223.789+/-0.049 χ^2/NDF : 631888.8/14

Right Out: 184.807+/-0.052 χ^2/NDF : 1318267.6/18

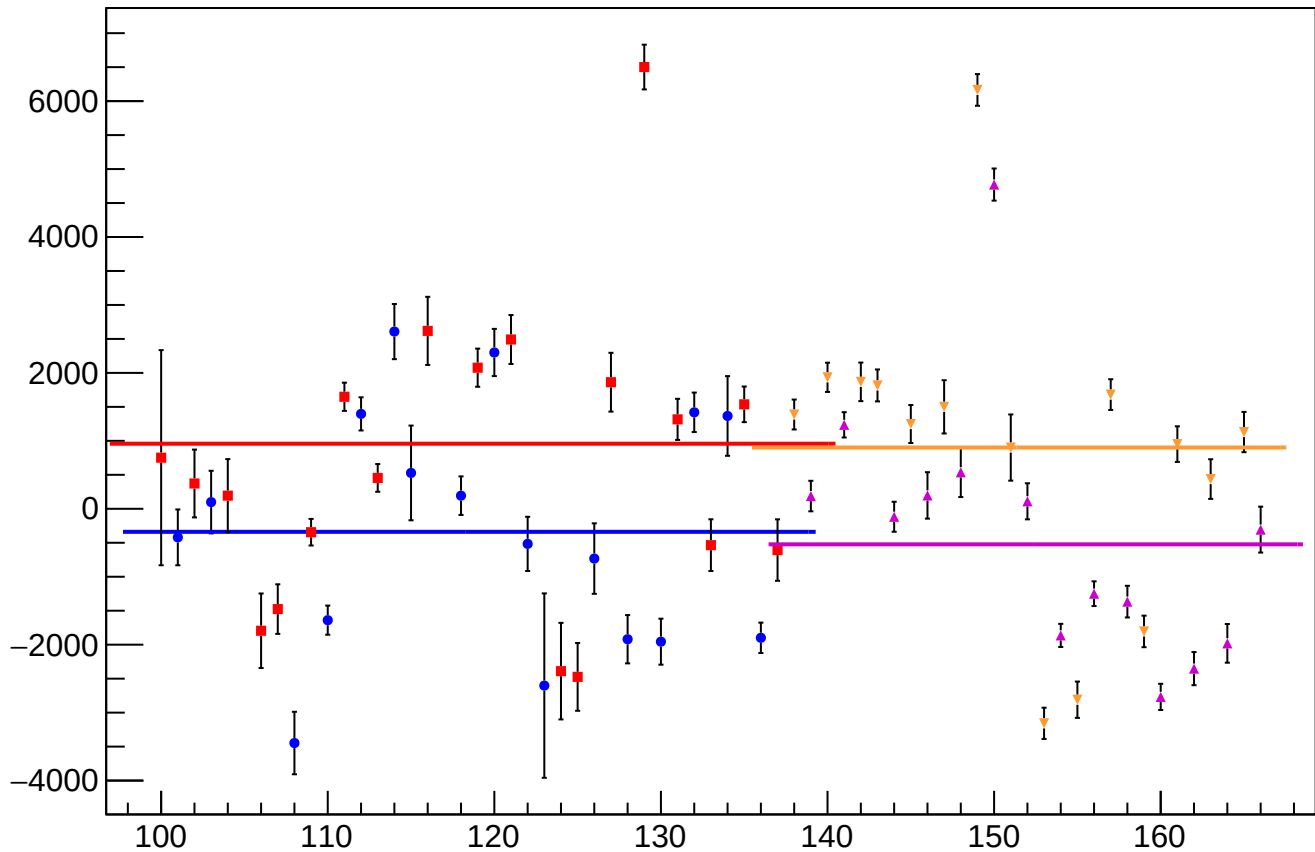
Left In: 197.488+/-0.044 χ^2/NDF : 813451.2/13

+ sign 213.858+/-0.037 χ^2/NDF : 1648830.7/31

All: 201.997+/-0.025 χ^2/NDF : 3999651.1/64

- sign 192.220+/-0.034 χ^2/NDF : 2165858.9/32

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 $\chi^2/\text{NDF}: 389.5/16$

Left Out: 902.241 ± 66.905 $\chi^2/\text{NDF}: 1222.9/14$

Right Out: 957.615 ± 75.749 $\chi^2/\text{NDF}: 570.3/18$

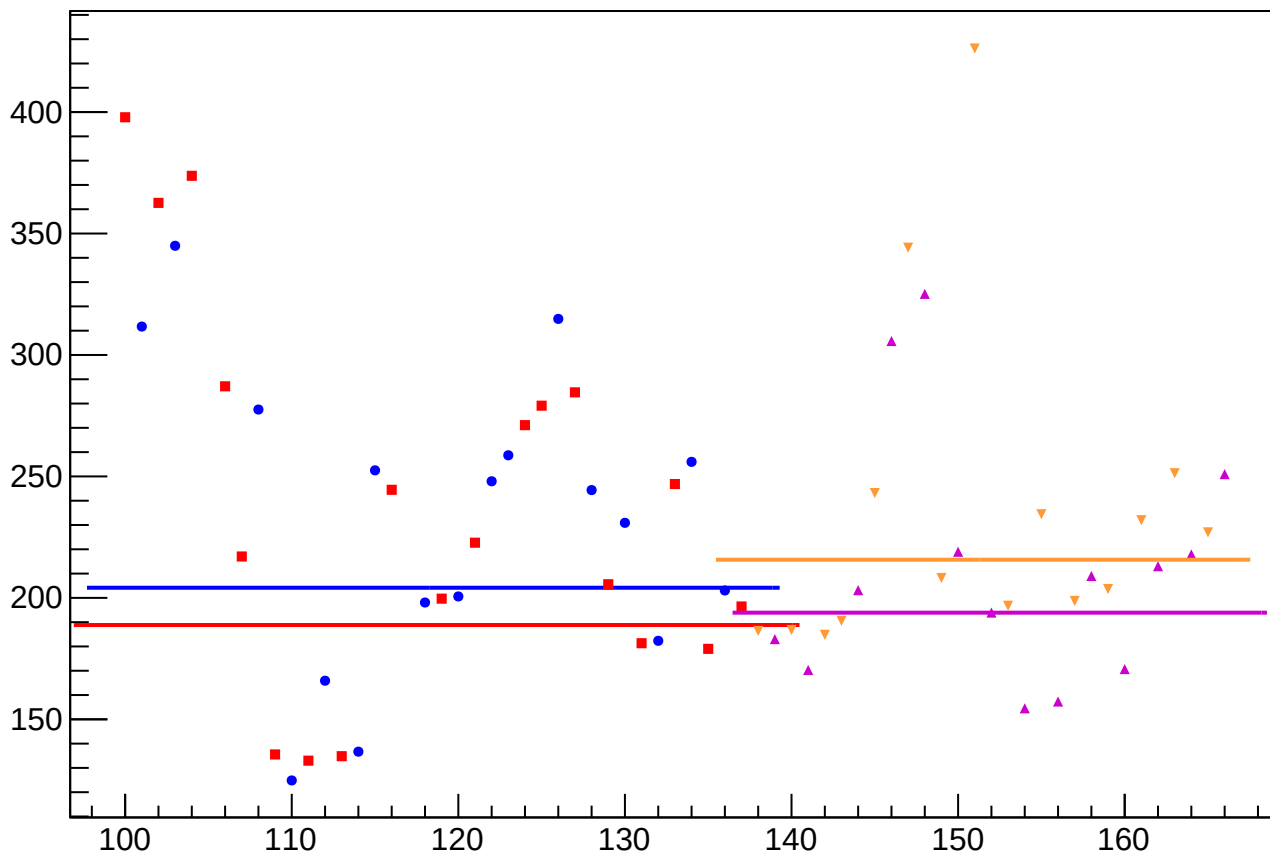
Left In: -523.060 ± 61.395 $\chi^2/\text{NDF}: 932.4/13$

+ sign 414.255 ± 52.120 $\chi^2/\text{NDF}: 1747.7/31$

All: 223.625 ± 35.186 $\chi^2/\text{NDF}: 3505.6/64$

- sign 63.982 ± 47.696 $\chi^2/\text{NDF}: 1733.3/32$

asym_bpm0l10WS_rms vs Slug



Right In: 204.175+/-0.059 χ^2/NDF : 947438.5/16

Left Out: 215.705+/-0.047 χ^2/NDF : 808137.4/14

Right Out: 188.821+/-0.054 χ^2/NDF : 1314891.2/18

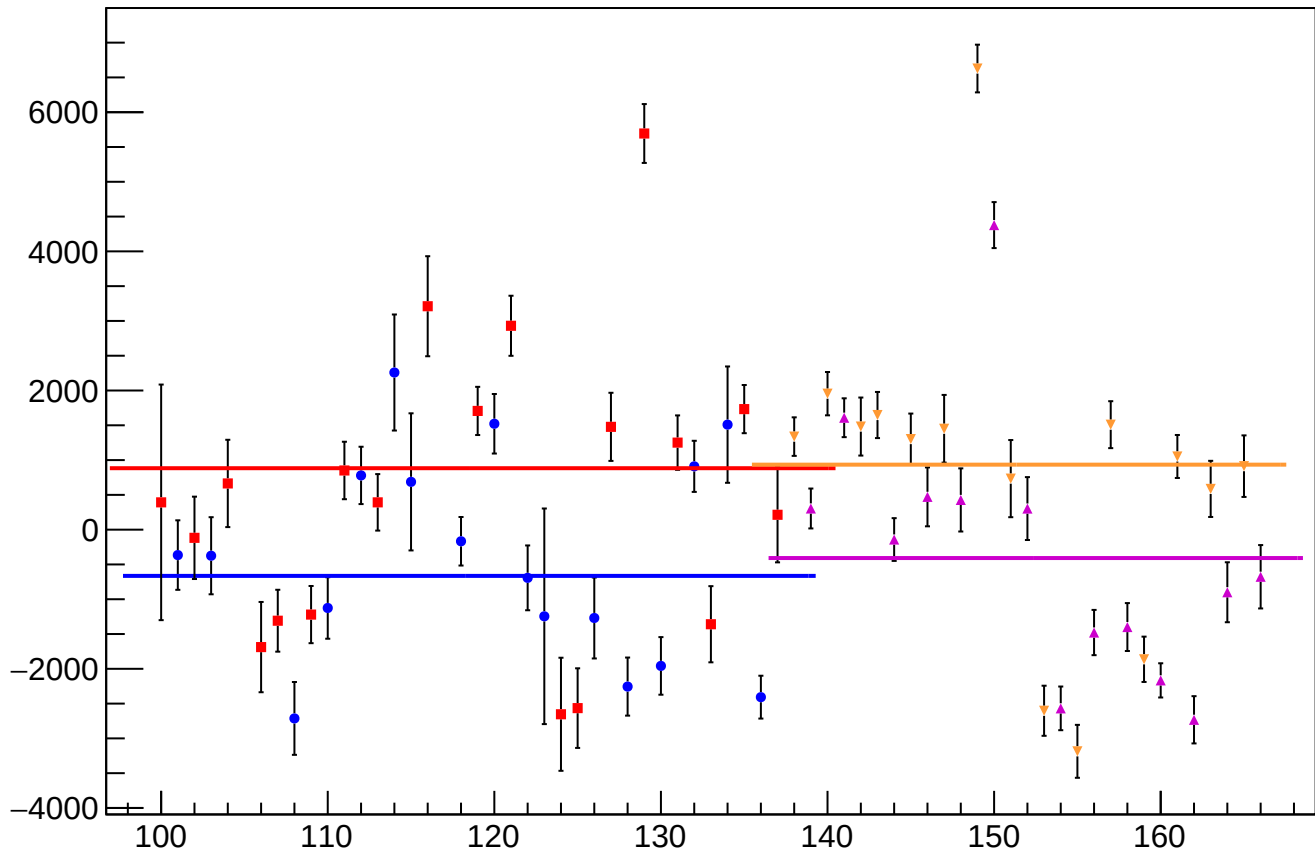
Left In: 193.908+/-0.043 χ^2/NDF : 845387.6/13

+ sign 211.172+/-0.037 χ^2/NDF : 1778928.5/31

All: 200.679+/-0.025 χ^2/NDF : 4093611.4/64

- sign 191.891+/-0.034 χ^2/NDF : 2165722.5/32

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 χ^2/NDF : 154.3/16

Left Out: 934.329 ± 92.774 χ^2/NDF : 588.6/14

Right Out: 883.255 ± 110.875 χ^2/NDF : 320.1/18

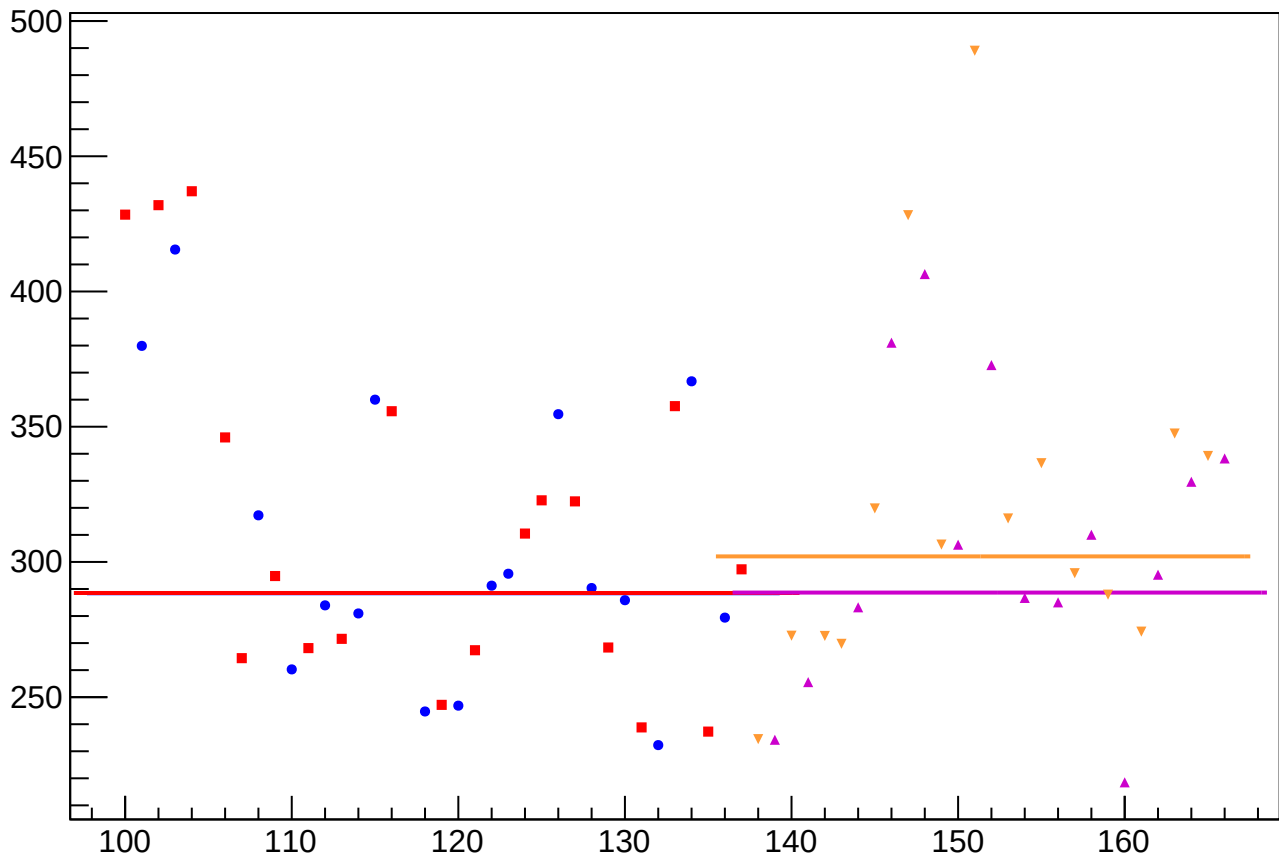
Left In: -407.953 ± 89.974 χ^2/NDF : 445.2/13

+ sign 297.025 ± 71.944 χ^2/NDF : 861.3/31

All: 198.054 ± 50.121 χ^2/NDF : 1711.9/64

- sign 104.723 ± 69.864 χ^2/NDF : 847.0/32

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 $\pm$ 0.081 χ^2 /NDF: 339820.0/16

Left Out: 302.052 $\pm$ 0.066 χ^2 /NDF: 612198.0/14

Right Out: 288.522 $\pm$ 0.078 χ^2 /NDF: 455410.1/18

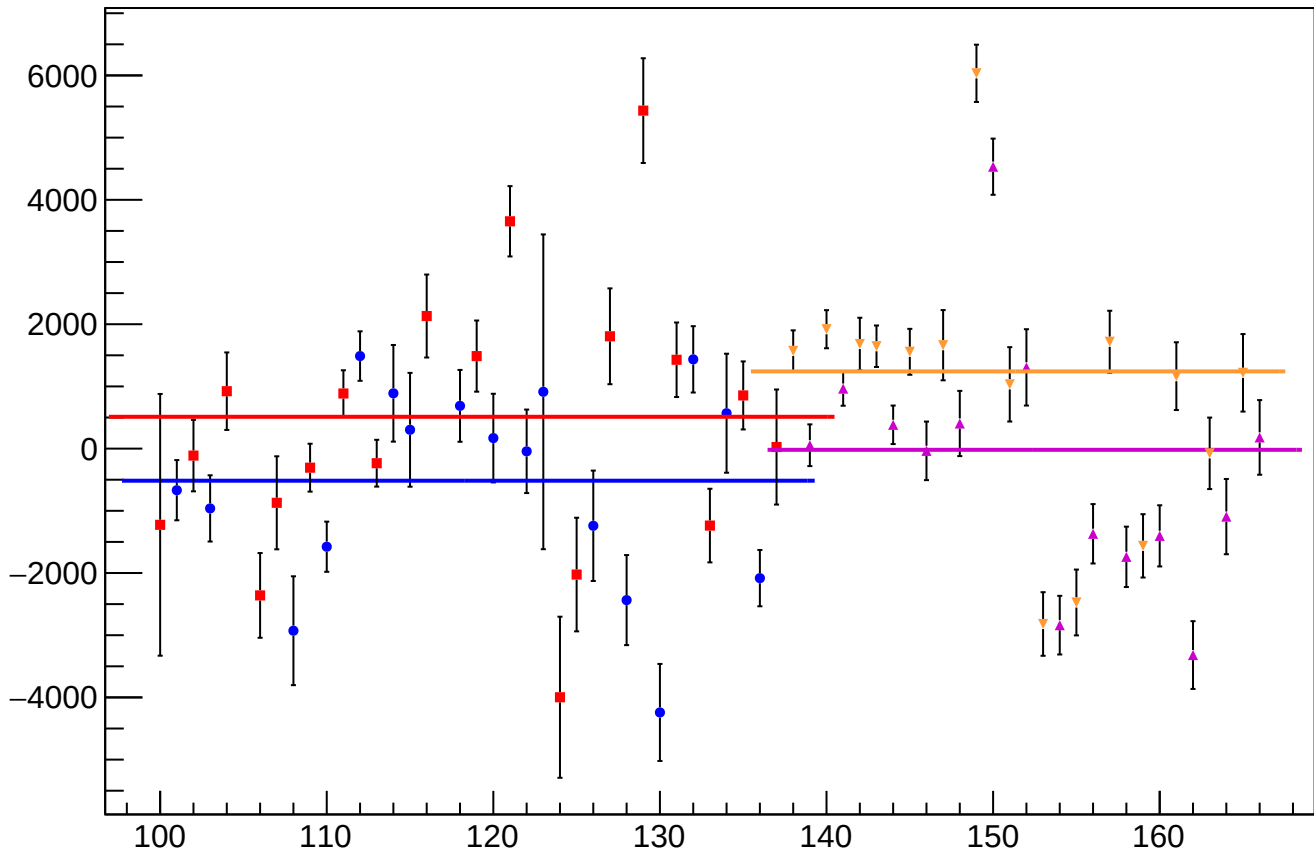
Left In: 288.672 $\pm$ 0.064 χ^2 /NDF: 619247.7/13

+ sign 296.621 $\pm$ 0.051 χ^2 /NDF: 969210.9/31

All: 292.499 $\pm$ 0.035 χ^2 /NDF: 2056625.2/64

- sign 288.613 $\pm$ 0.049 χ^2 /NDF: 1074660.1/32

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 $\chi^2/\text{NDF}: 108.0/16$

Left Out: 1241.534 ± 114.206 $\chi^2/\text{NDF}: 267.0/14$

Right Out: 511.851 ± 135.798 $\chi^2/\text{NDF}: 141.3/18$

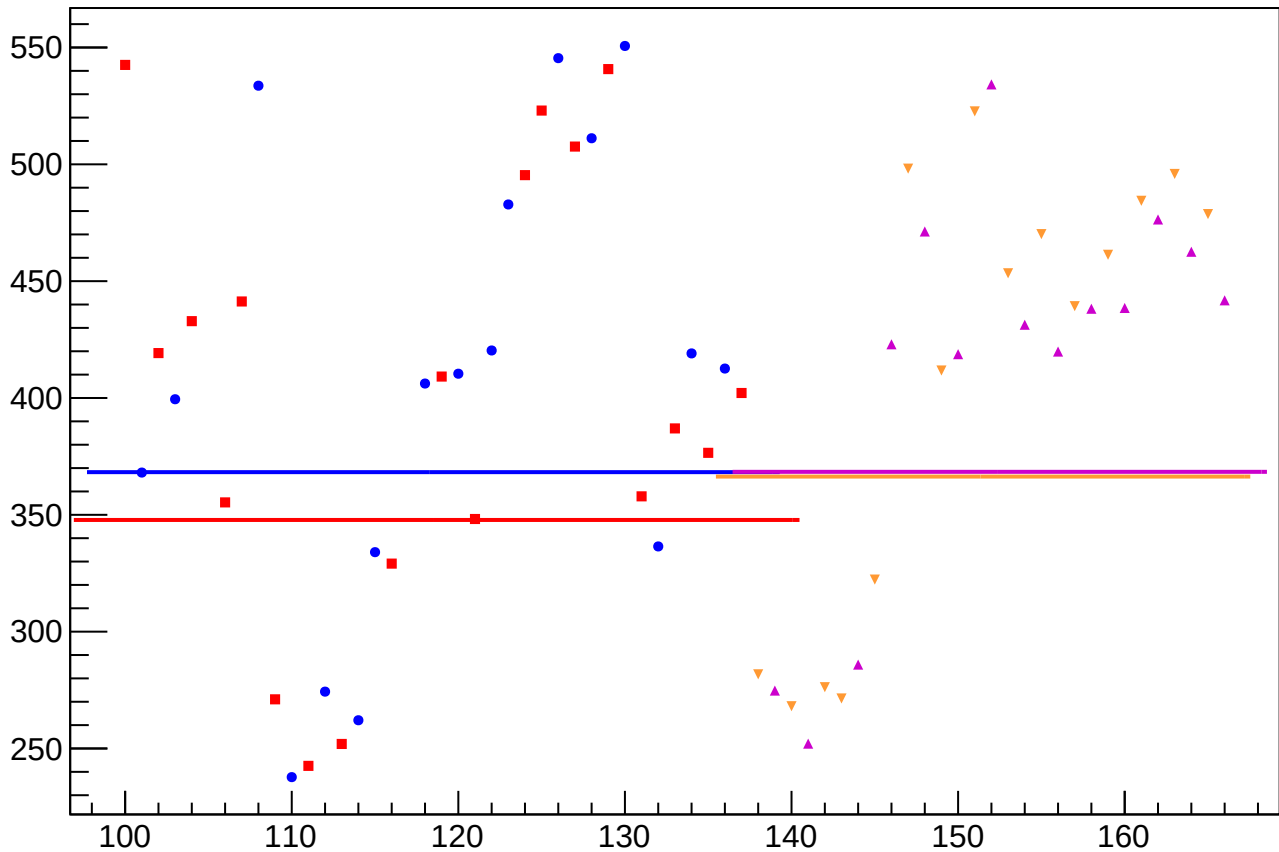
Left In: -19.061 ± 115.959 $\chi^2/\text{NDF}: 225.5/13$

+ sign 581.865 ± 90.262 $\chi^2/\text{NDF}: 463.8/31$

All: 388.949 ± 63.077 $\chi^2/\text{NDF}: 848.4/64$

- sign 204.815 ± 88.184 $\chi^2/\text{NDF}: 375.7/32$

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 366.370+/-0.081 χ^2/NDF :1391670.6/14

Right Out: 347.802+/-0.096 χ^2/NDF : 821862.5/18

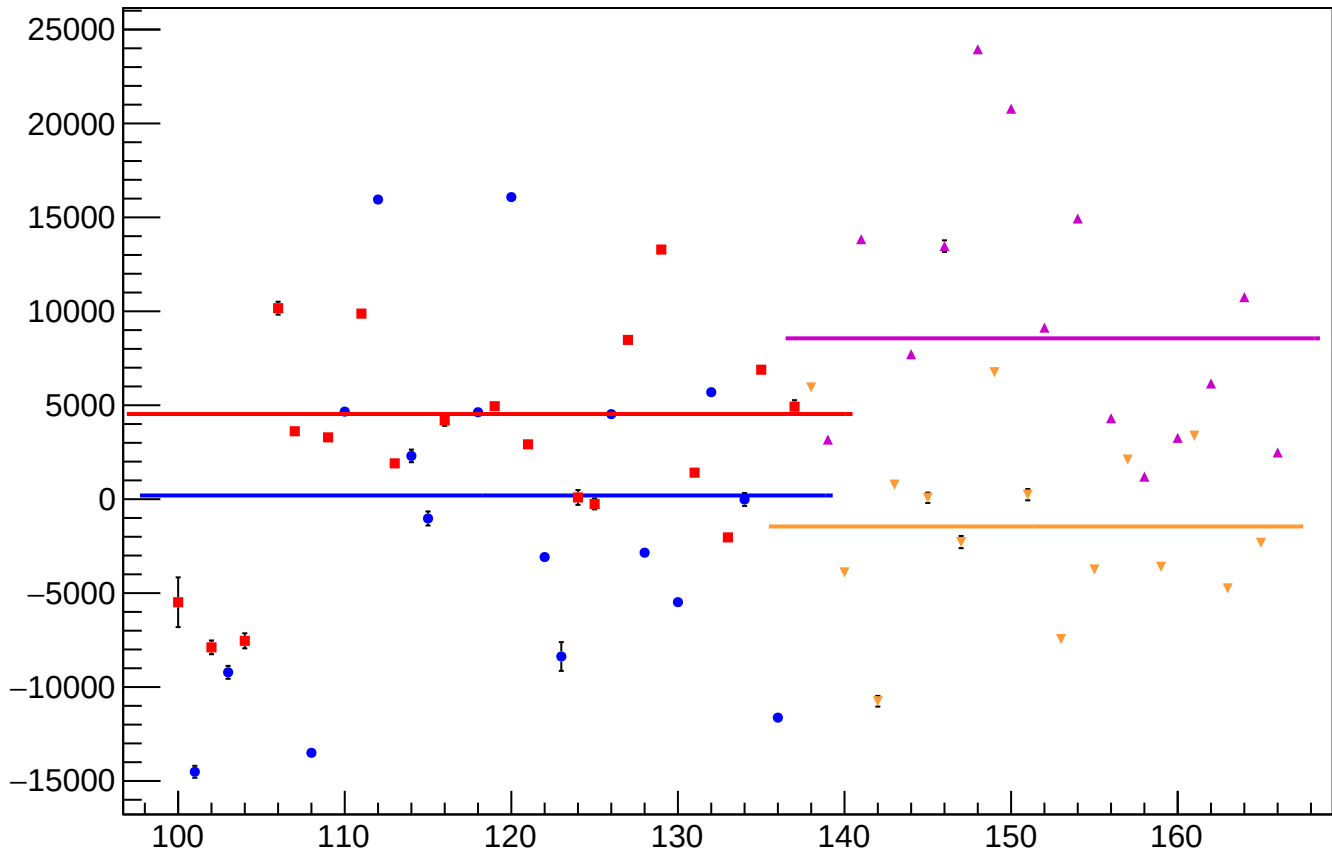
Left In: 368.398+/-0.082 χ^2/NDF :1227687.7/13

+ sign 367.081+/-0.064 χ^2/NDF : 2161993.8/31

All: 363.311+/-0.045 χ^2/NDF : 4244967.7/64

- sign 359.713+/-0.062 χ^2/NDF : 2076155.8/32

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 $\chi^2/\text{NDF}: 30658.3/16$

Left Out: -1452.743 ± 52.087 $\chi^2/\text{NDF}: 7587.7/14$

Right Out: 4534.200 ± 52.462 $\chi^2/\text{NDF}: 7477.2/18$

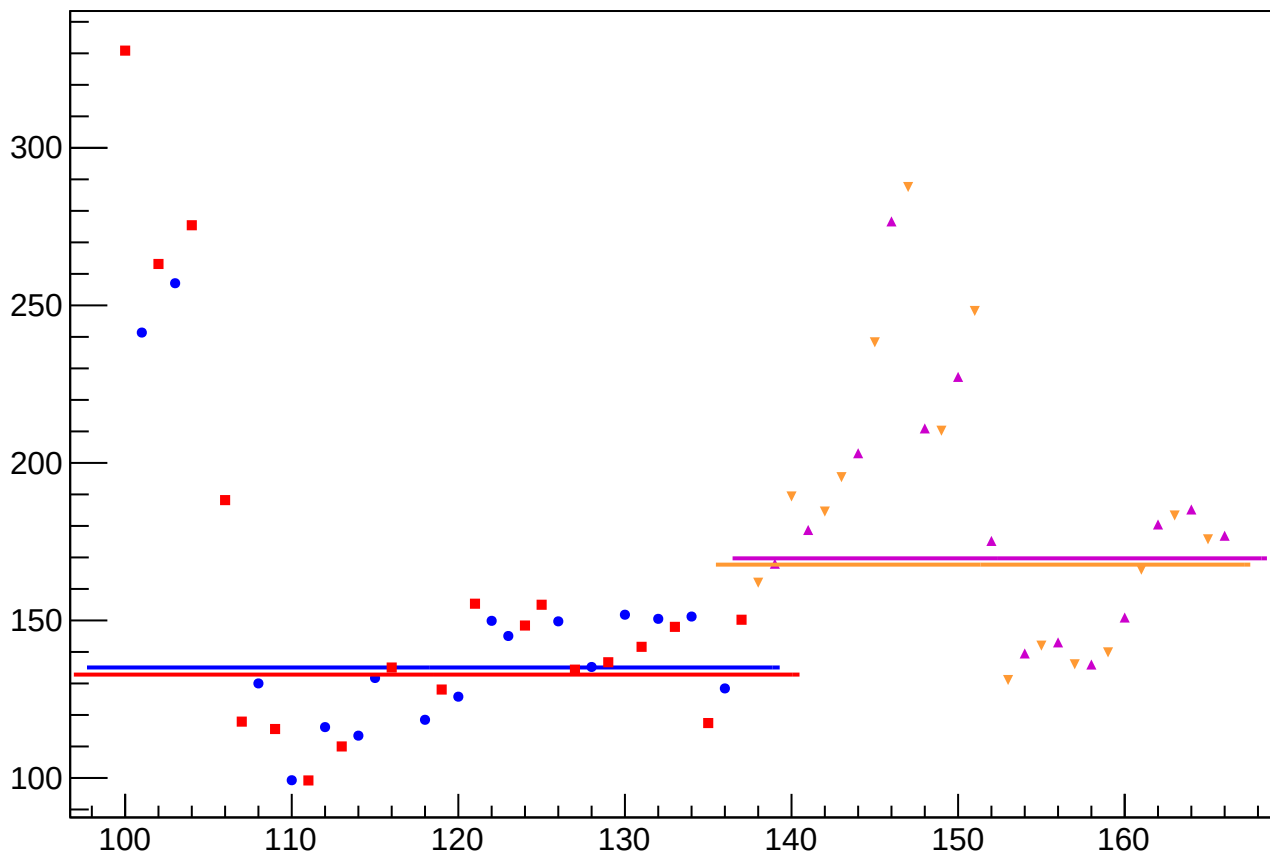
Left In: 8561.623 ± 53.501 $\chi^2/\text{NDF}: 14756.2/13$

+ sign -669.692 ± 37.753 $\chi^2/\text{NDF}: 38722.1/31$

All: 2947.511 ± 26.591 $\chi^2/\text{NDF}: 82061.3/64$

- sign 6508.393 ± 37.458 $\chi^2/\text{NDF}: 25122.4/32$

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 167.717+/-0.037 χ^2/NDF : 1003334.6/14

Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

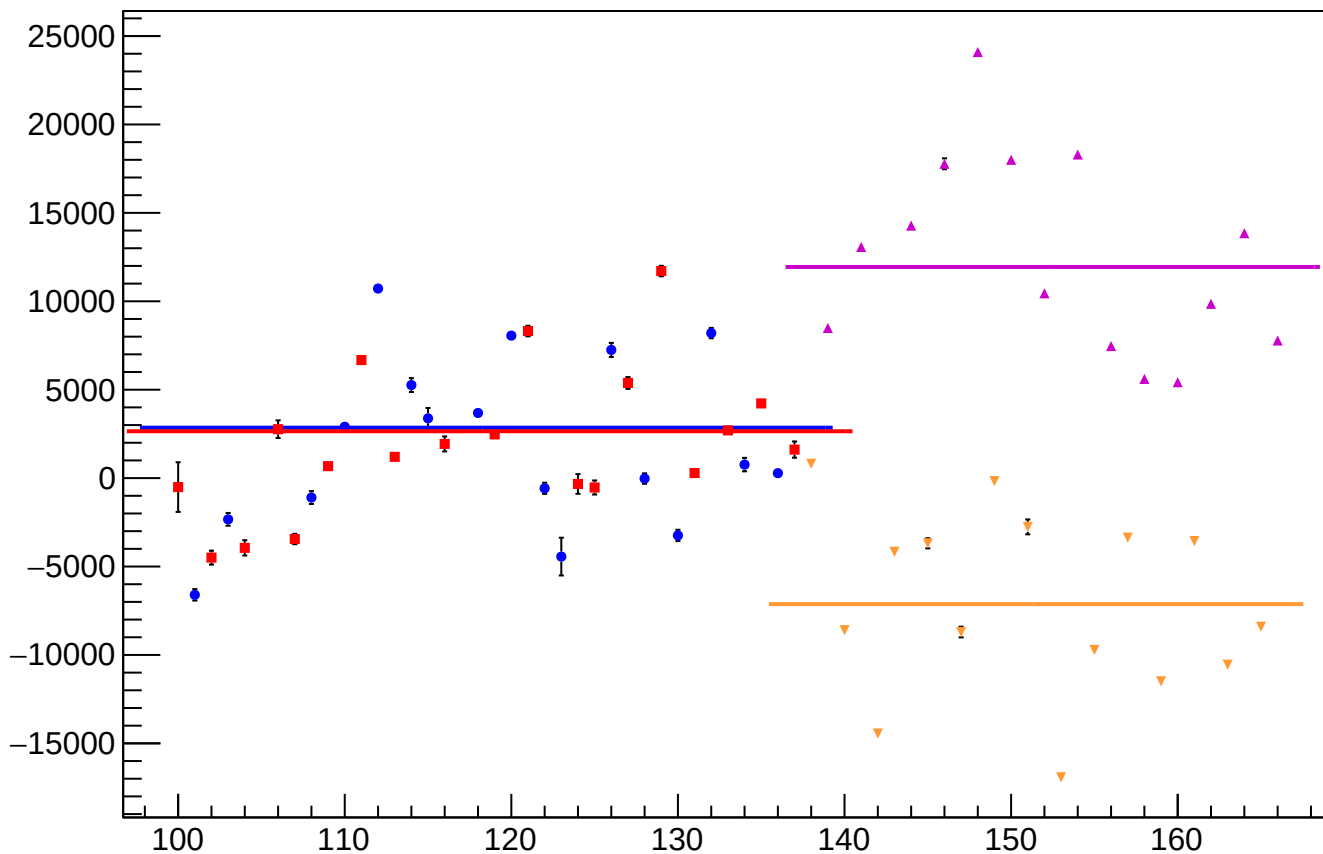
Left In: 169.710+/-0.038 χ^2/NDF : 731116.7/13

+ sign 152.222+/-0.027 χ^2/NDF : 2034925.8/31

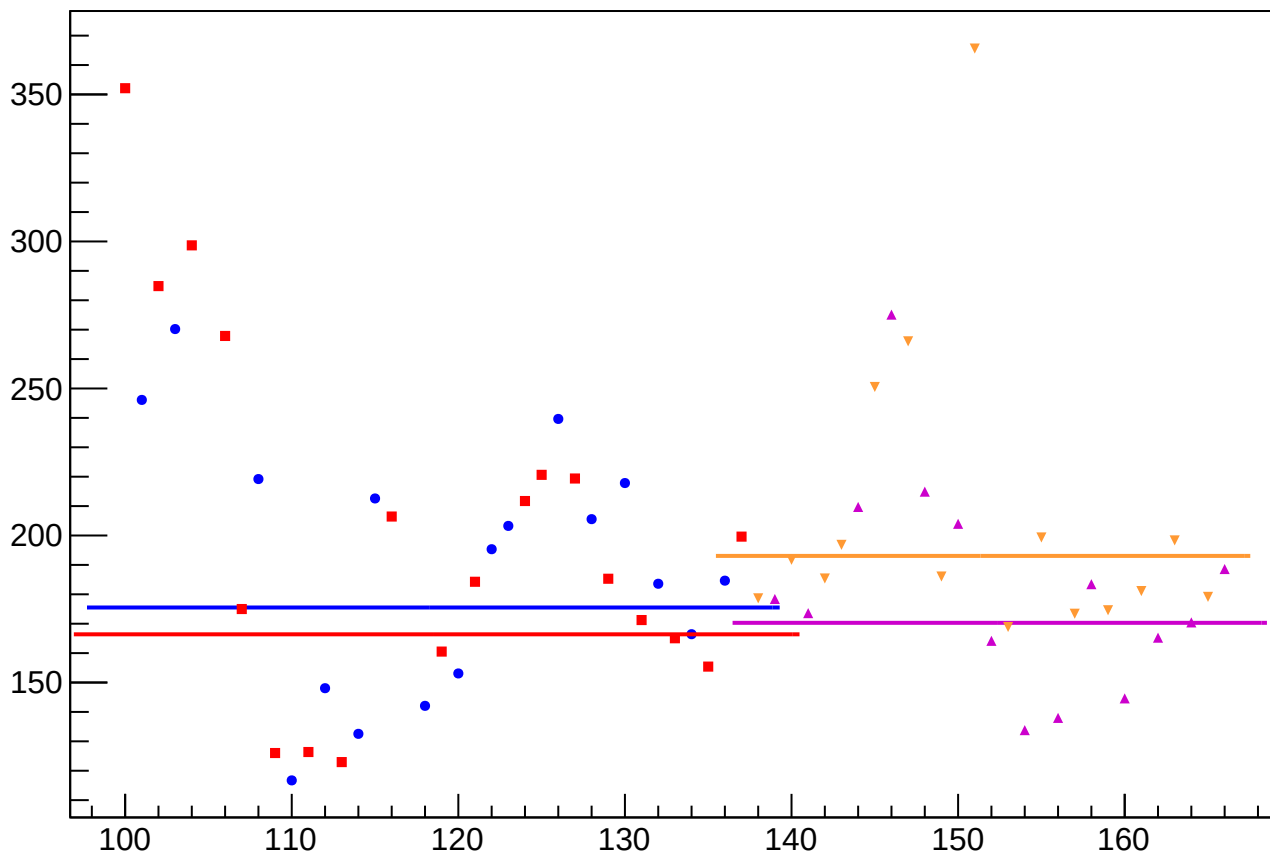
All: 151.556+/-0.019 χ^2/NDF : 4083332.5/64

- sign 150.901+/-0.026 χ^2/NDF : 2047173.3/32

asym_bpm0i02aWS_mean vs Slug



asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 193.061 $\pm$ 0.042 χ^2 /NDF: 627889.0/14

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

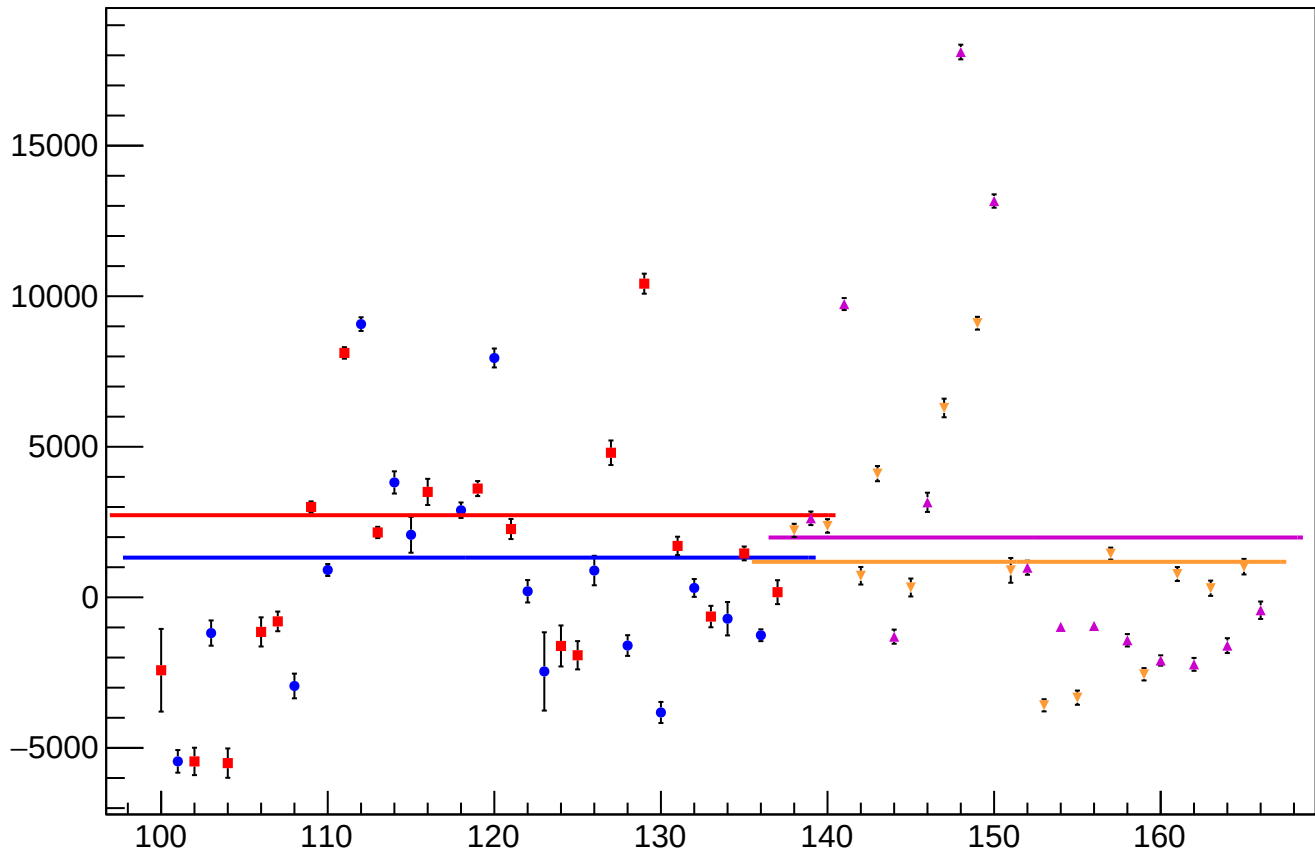
Left In: 170.300 $\pm$ 0.038 χ^2 /NDF: 686292.8/13

+ sign 185.783 $\pm$ 0.032 χ^2 /NDF: 1389512.7/31

All: 176.486 $\pm$ 0.022 χ^2 /NDF: 3162225.4/64

- sign 168.735 $\pm$ 0.029 χ^2 /NDF: 1620062.9/32

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 1180.156+/-62.306 χ^2/NDF : 3117.0/14

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

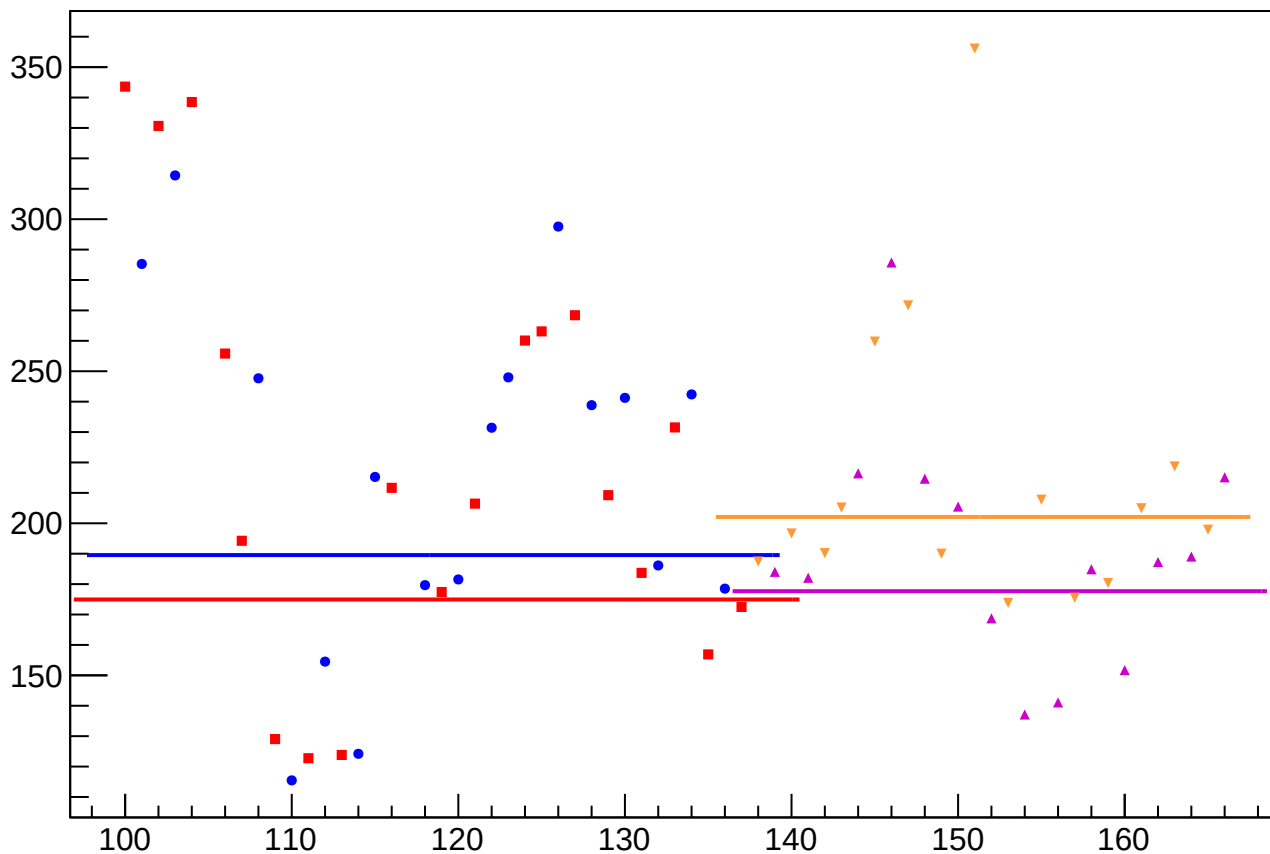
Left In: 1987.401+/-56.136 χ^2/NDF : 10875.9/13

+ sign 1234.971+/-48.471 χ^2/NDF : 5786.0/31

All: 1808.624+/-32.498 χ^2/NDF : 19480.3/64

- sign 2277.044+/-43.800 χ^2/NDF : 13439.8/32

asym_bpm0i05WS_rms vs Slug



Right In: 189.544+/-0.055 χ^2/NDF : 980744.6/16

Left Out: 202.087+/-0.044 χ^2/NDF : 582893.7/14

Right Out: 174.944+/-0.050 χ^2/NDF : 1297106.6/18

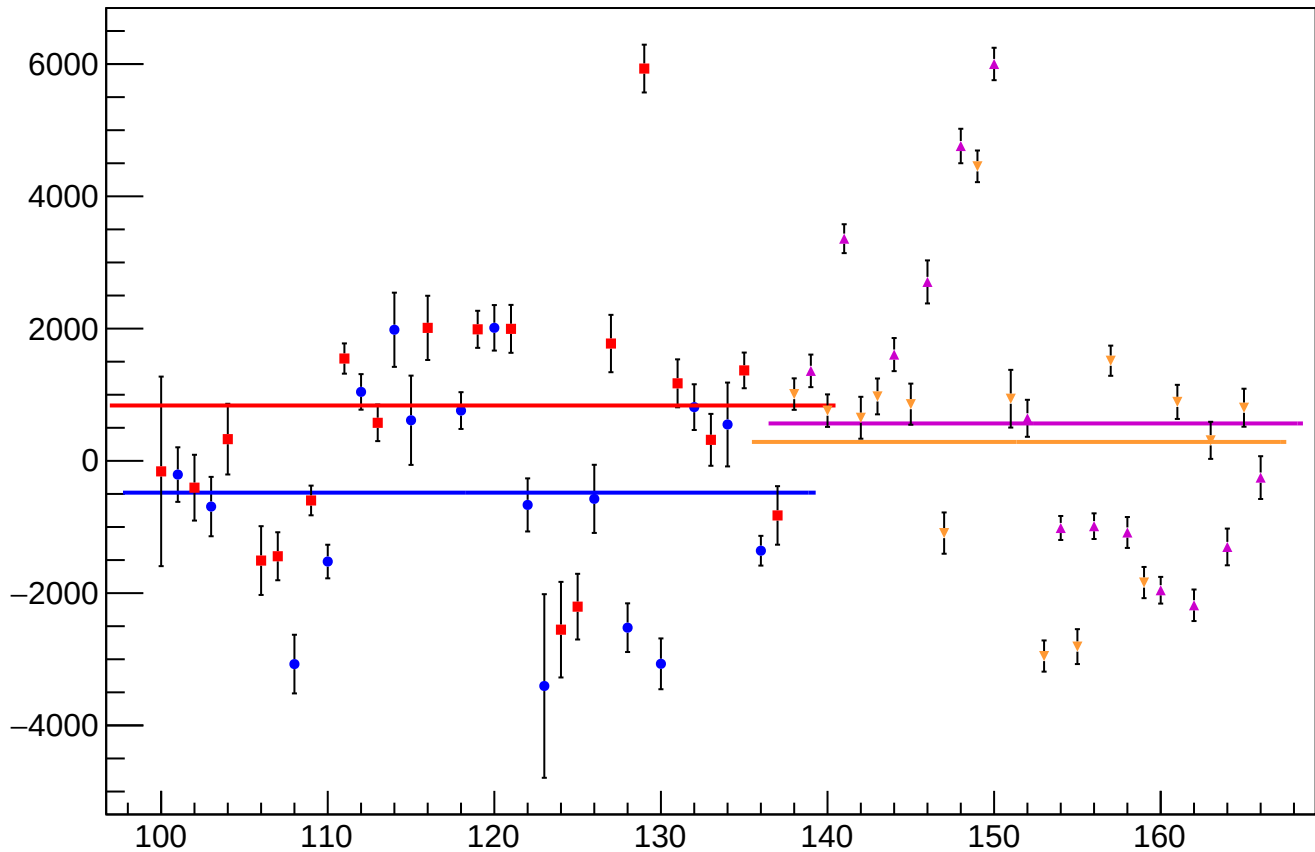
Left In: 177.677+/-0.040 χ^2/NDF : 700581.7/13

+ sign 197.135+/-0.034 χ^2/NDF : 1595632.8/31

All: 185.835+/-0.023 χ^2/NDF : 3792639.0/64

- sign 176.608+/-0.031 χ^2/NDF : 1999543.4/32

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 286.389 ± 68.935 χ^2/NDF : 793.8/14

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

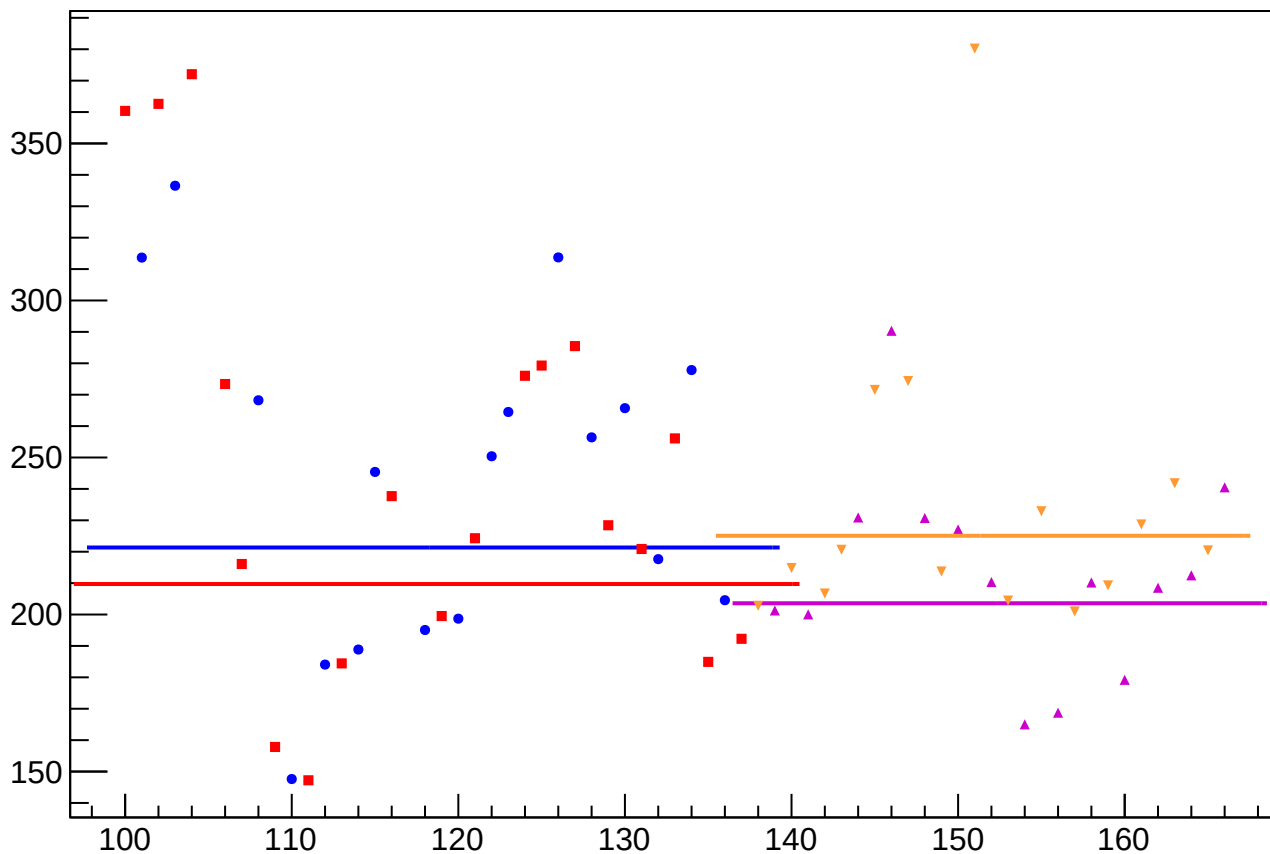
Left In: 565.851 ± 63.631 χ^2/NDF : 1516.8/13

+ sign -2.661 ± 54.416 χ^2/NDF : 1131.2/31

All: 358.572 ± 36.948 χ^2/NDF : 3171.8/64

- sign 667.549 ± 50.327 χ^2/NDF : 1958.9/32

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 225.080 $\pm$ 0.049 χ^2 /NDF: 436424.1/14

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

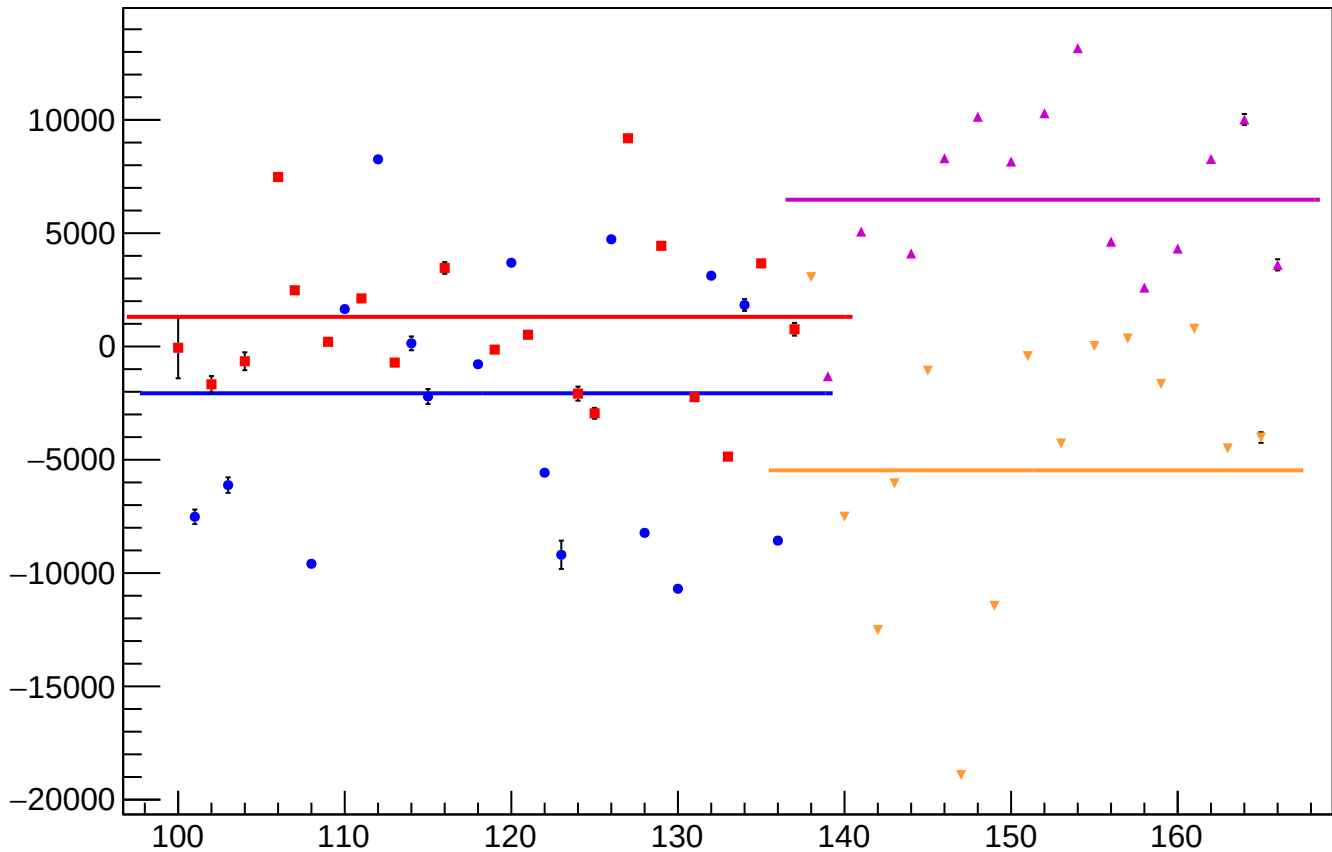
Left In: 203.590 $\pm$ 0.045 χ^2 /NDF: 422645.2/13

+ sign 223.671 $\pm$ 0.038 χ^2 /NDF: 1084328.3/31

All: 214.084 $\pm$ 0.026 χ^2 /NDF: 2513006.0/64

- sign 205.884 $\pm$ 0.036 χ^2 /NDF: 1313504.6/32

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -5465.639 ± 37.971 $\chi^2/\text{NDF}: 28201.0/14$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

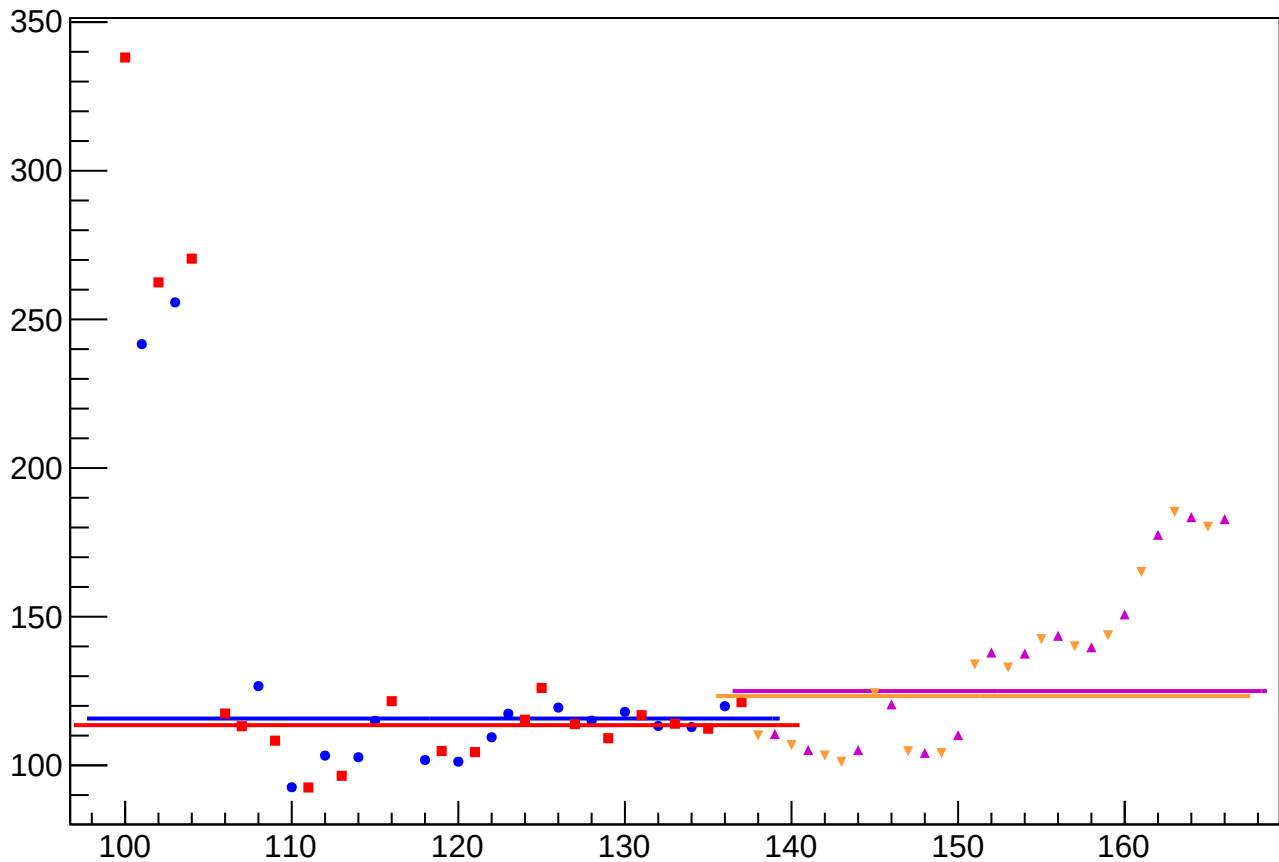
Left In: 6478.135 ± 38.921 $\chi^2/\text{NDF}: 9102.2/13$

+ sign -4133.794 ± 29.616 $\chi^2/\text{NDF}: 47875.5/31$

All: 91.292 ± 20.878 $\chi^2/\text{NDF}: 110884.4/64$

- sign 4265.884 ± 29.438 $\chi^2/\text{NDF}: 22546.1/32$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 123.295+/-0.027 χ^2/NDF : 738157.9/14

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

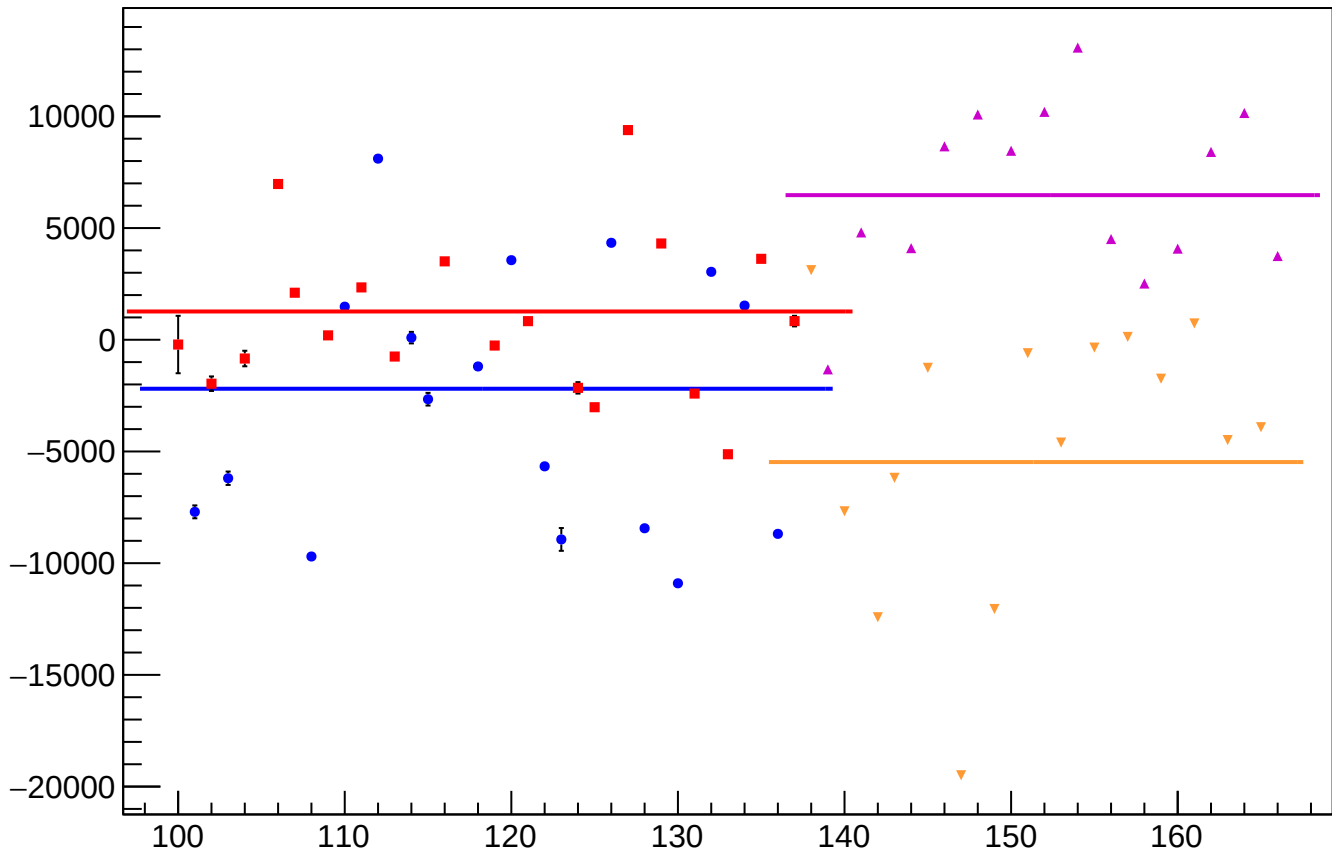
Left In: 124.997+/-0.028 χ^2/NDF : 718192.0/13

+ sign 120.336+/-0.021 χ^2/NDF : 1513181.7/31

All: 120.210+/-0.015 χ^2/NDF : 3102523.8/64

- sign 120.085+/-0.021 χ^2/NDF : 1589270.0/32

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327+/-39.944 χ^2/NDF : 22813.5/16

Left Out: -5473.846+/-34.349 χ^2/NDF : 34284.7/14

Right Out: 1266.189+/-38.048 χ^2/NDF : 8550.5/18

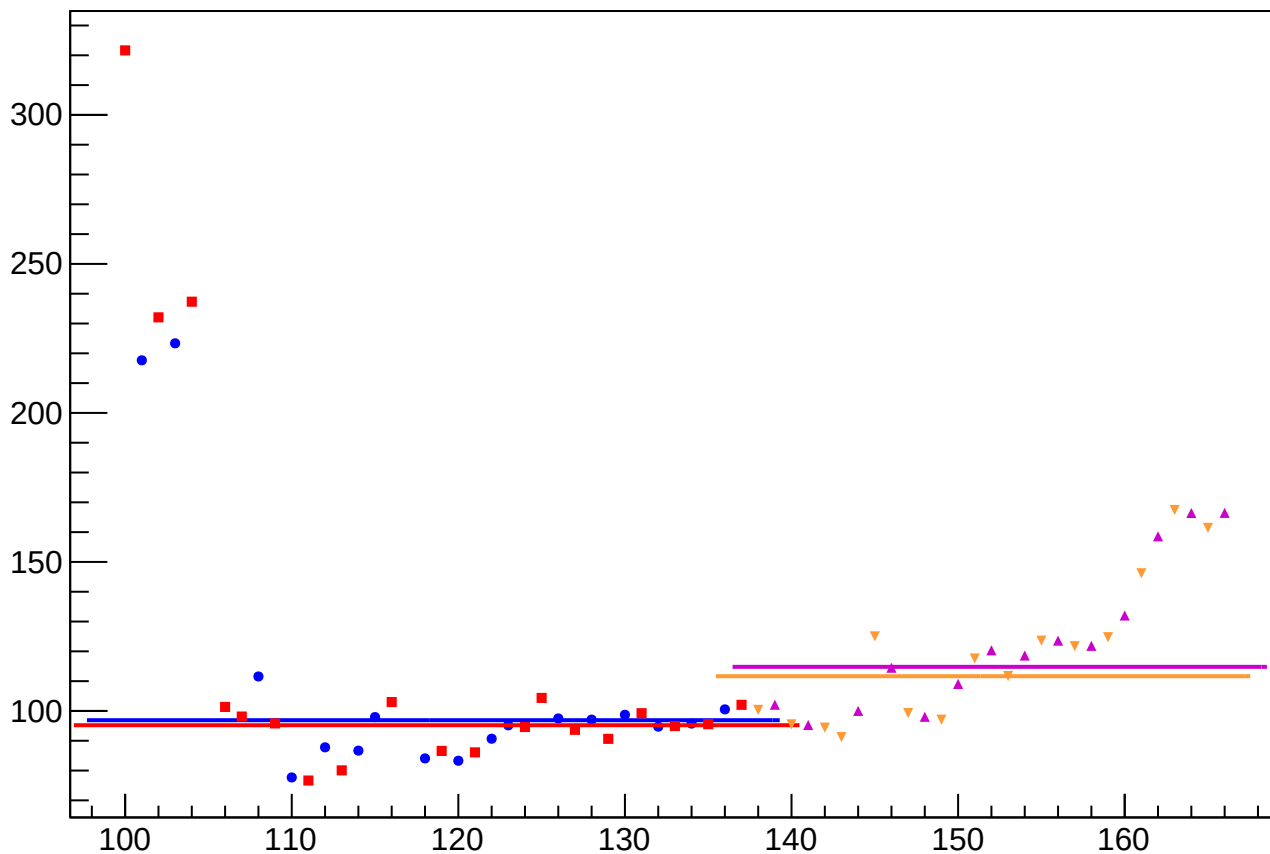
Left In: 6473.320+/-35.644 χ^2/NDF : 11353.8/13

+ sign -4078.827+/-26.044 χ^2/NDF : 60978.2/31

All: -14.773+/-18.405 χ^2/NDF : 139500.6/64

- sign 4039.484+/-26.012 χ^2/NDF : 29879.6/32

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 111.655+/-0.024 χ^2/NDF : 641531.6/14

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

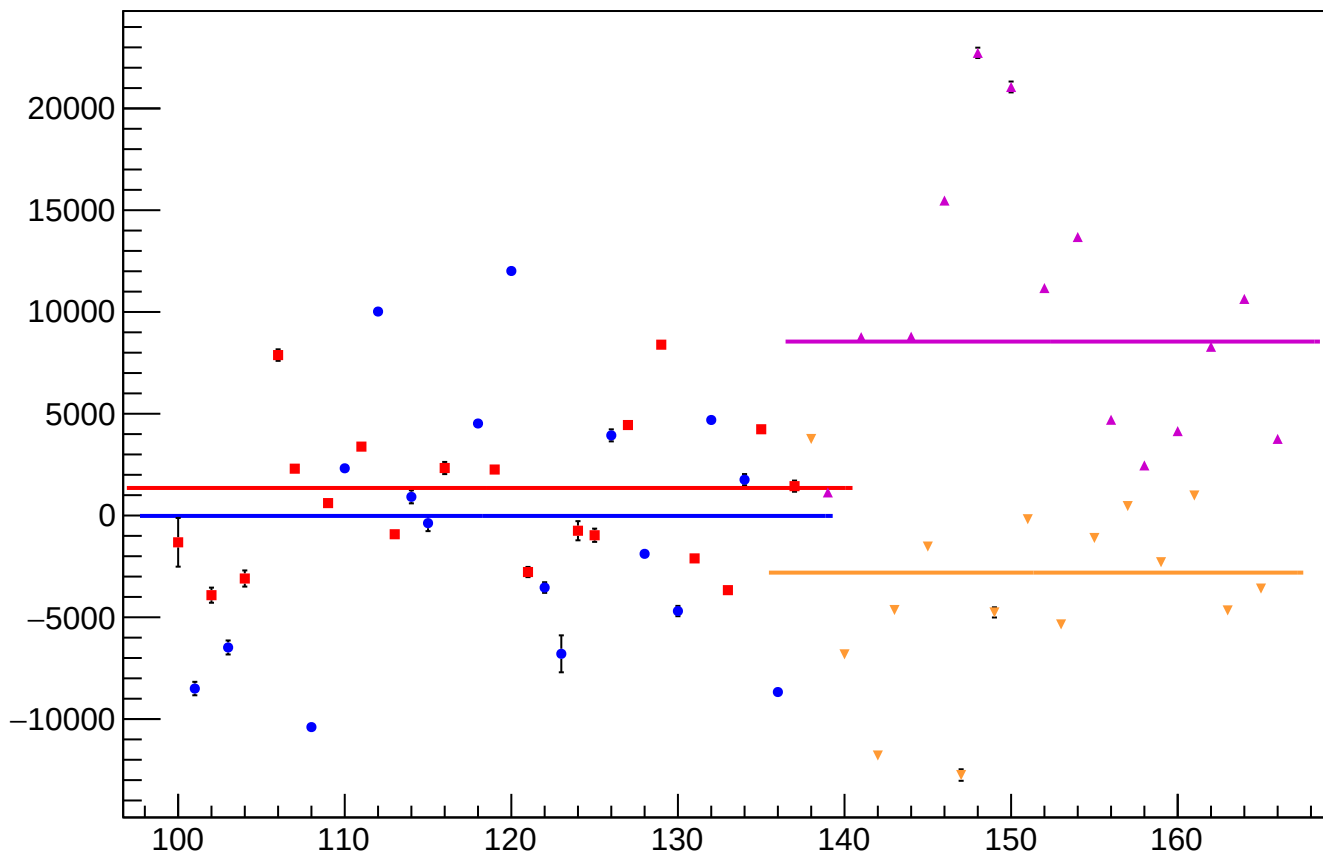
Left In: 114.800+/-0.025 χ^2/NDF : 556567.4/13

+ sign 105.380+/-0.018 χ^2/NDF : 1615773.8/31

All: 105.513+/-0.013 χ^2/NDF : 3314537.2/64

- sign 105.645+/-0.018 χ^2/NDF : 1698659.3/32

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 χ^2/NDF : 16361.0/16

Left Out: -2805.496 ± 48.190 χ^2/NDF : 6718.0/14

Right Out: 1353.461 ± 52.367 χ^2/NDF : 3837.2/18

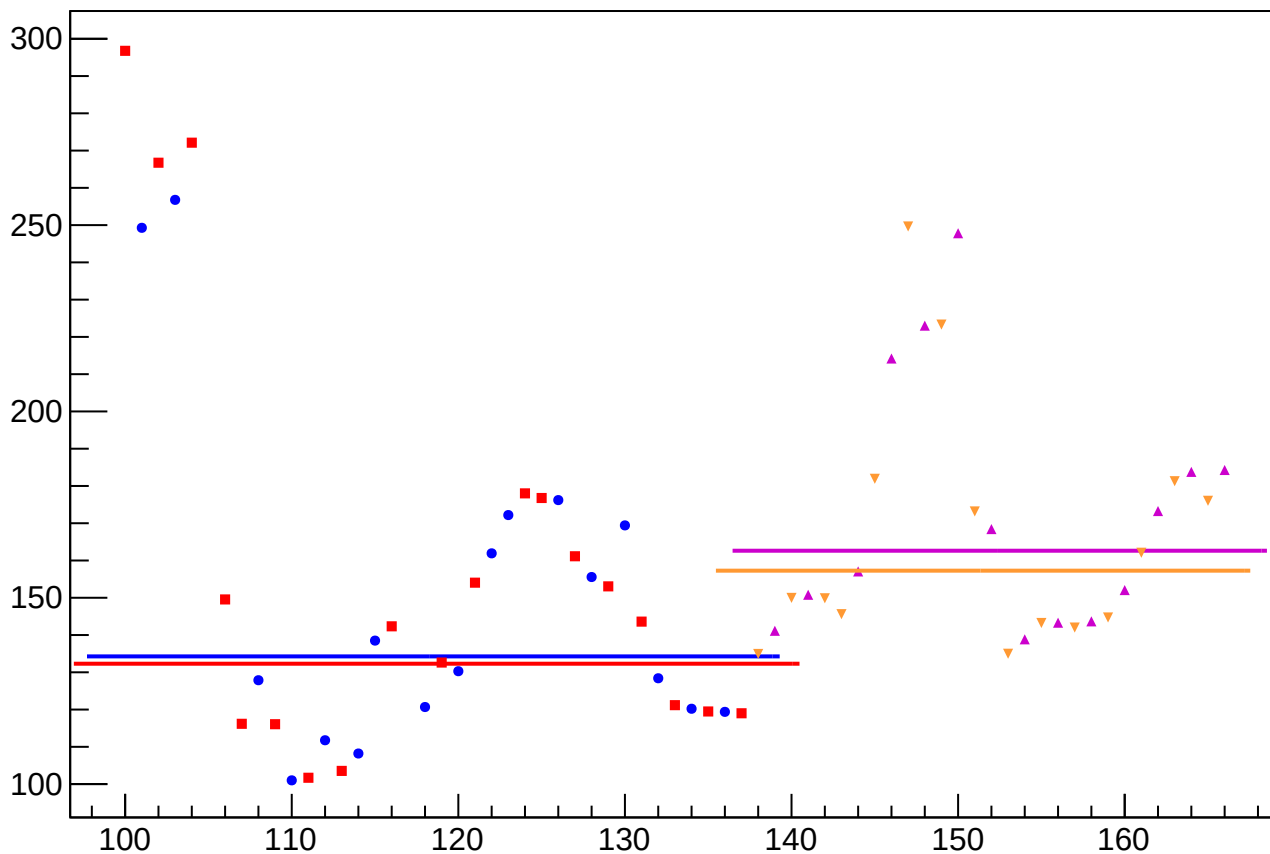
Left In: 8546.103 ± 50.564 χ^2/NDF : 12406.5/13

+ sign -1586.878 ± 36.143 χ^2/NDF : 24540.8/31

All: 1723.075 ± 25.638 χ^2/NDF : 67429.4/64

- sign 5075.696 ± 36.375 χ^2/NDF : 26006.6/32

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 ± 0.039 χ^2/NDF : 788647.0/16

Left Out: 157.272 ± 0.034 χ^2/NDF : 576540.6/14

Right Out: 132.302 ± 0.037 χ^2/NDF : 869892.7/18

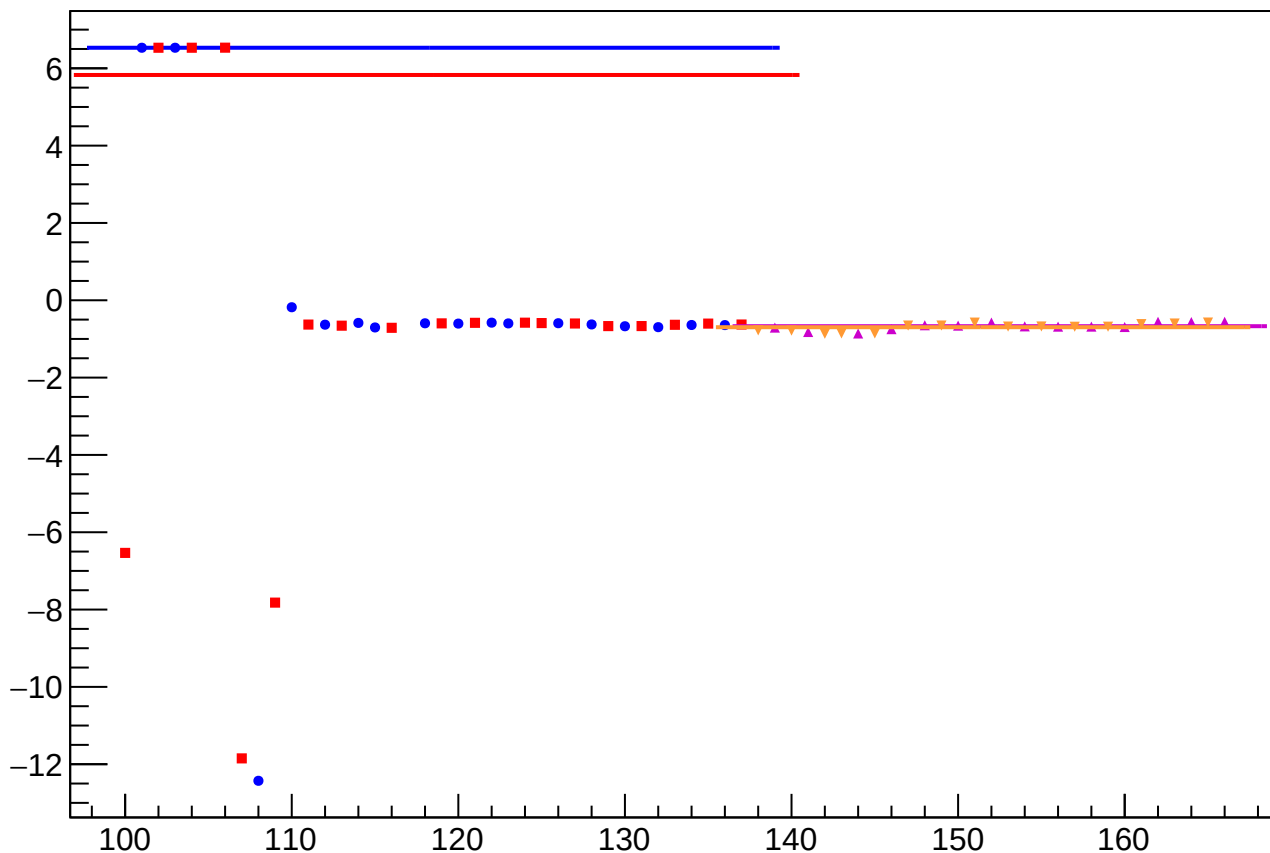
Left In: 162.623 ± 0.036 χ^2/NDF : 604261.0/13

+ sign 147.208 ± 0.026 χ^2/NDF : 1564578.5/31

All: 147.598 ± 0.018 χ^2/NDF : 3386192.4/64

- sign 147.993 ± 0.026 χ^2/NDF : 1821144.5/32

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

Left Out: -0.697 $\pm$ 0.000 χ^2 /NDF: 104830553.5/14

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755948646460090.5/18

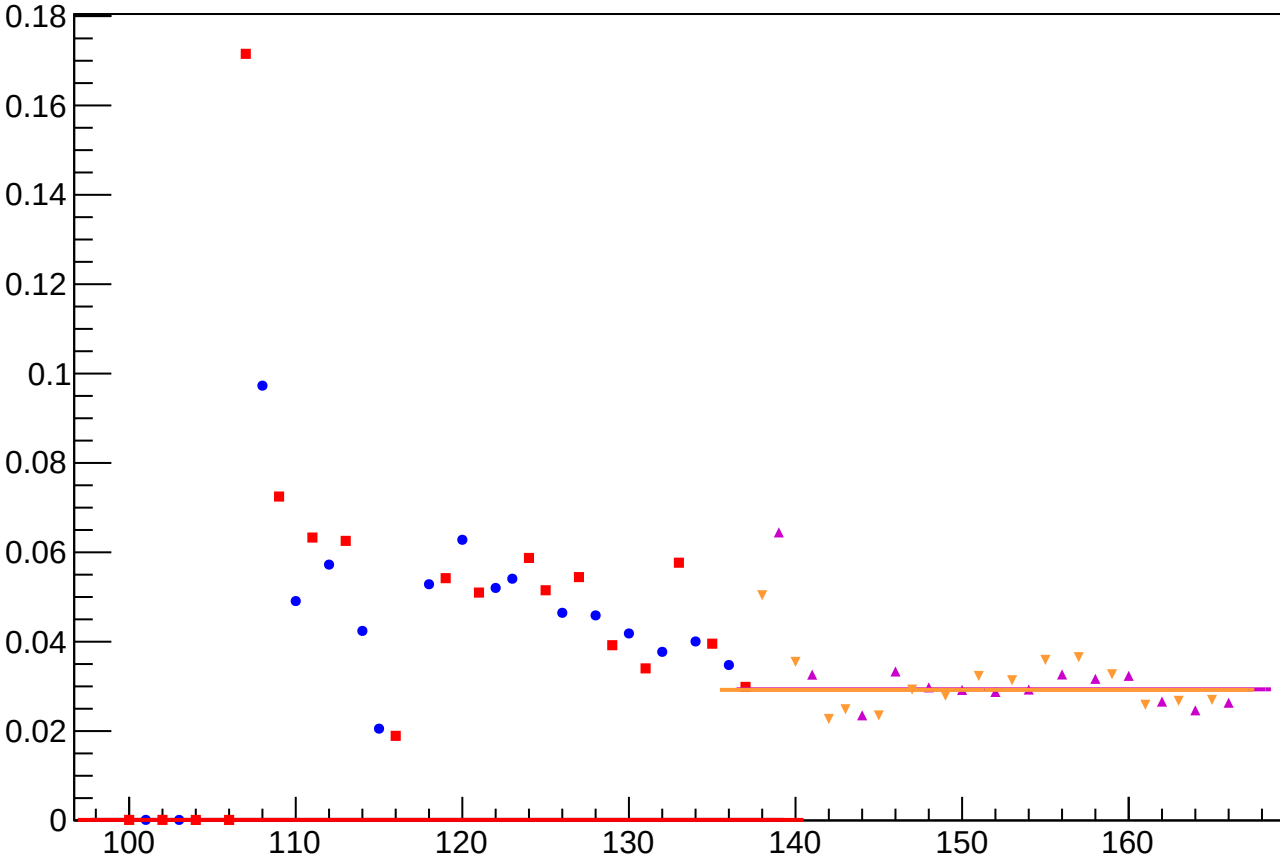
Left In: -0.670 $\pm$ 0.000 χ^2 /NDF: 94175895.7/13

+ sign 6.531 $\pm$ 0.000 χ^2 /NDF: 664215049824.1/31

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 77703007791510

- sign 5.827 $\pm$ 0.000 χ^2 /NDF: 756373206011051.6/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.029+/-0.000 χ^2/NDF :569569.1/14

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

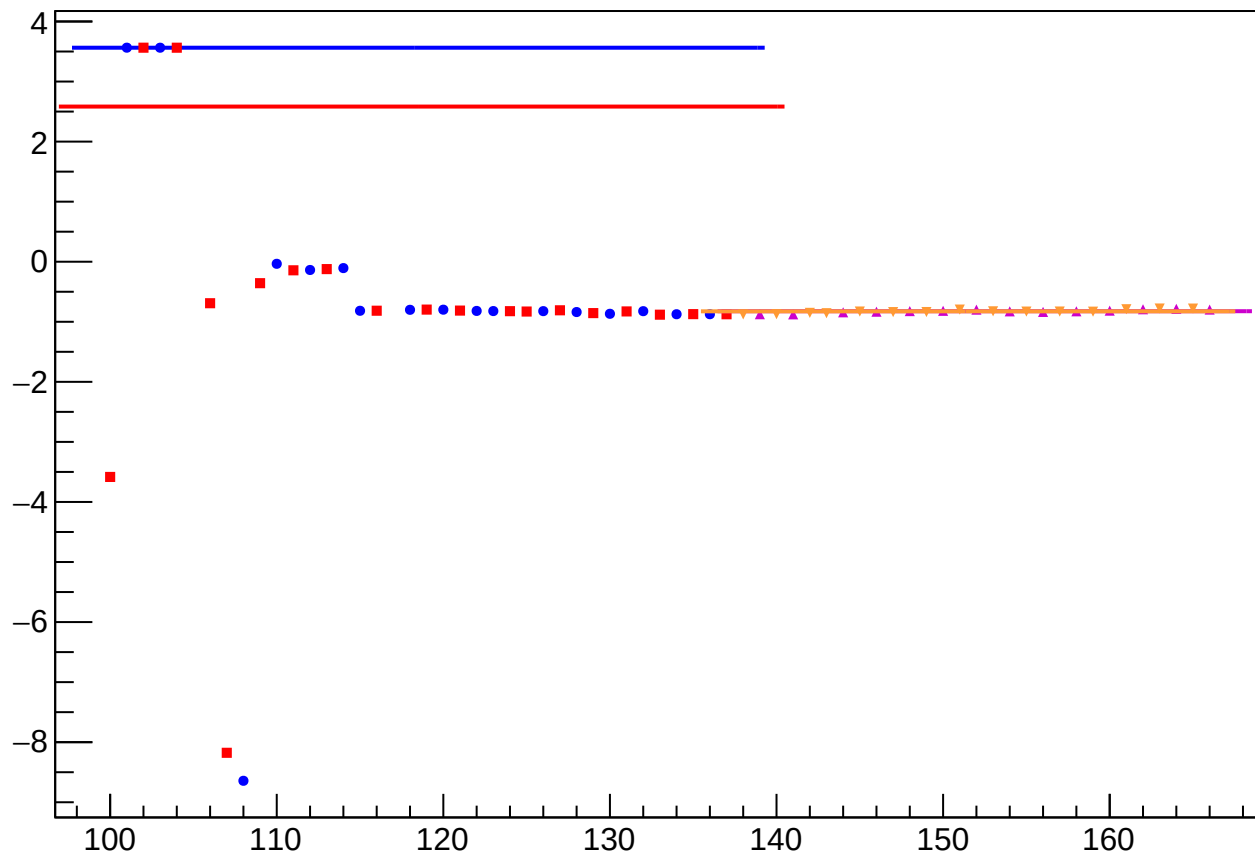
Left In: 0.029+/-0.000 χ^2/NDF :591817.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 26978388.9/31

All: 0.000+/-0.000 χ^2/NDF : 54111446.3/64

- sign 0.000+/-0.000 χ^2/NDF : 27132618.1/32

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.826+/-0.000 χ^2/NDF : 122713701.2/14

Right Out: 2.583+/-0.000 χ^2/NDF : 1253505323583154.2/18

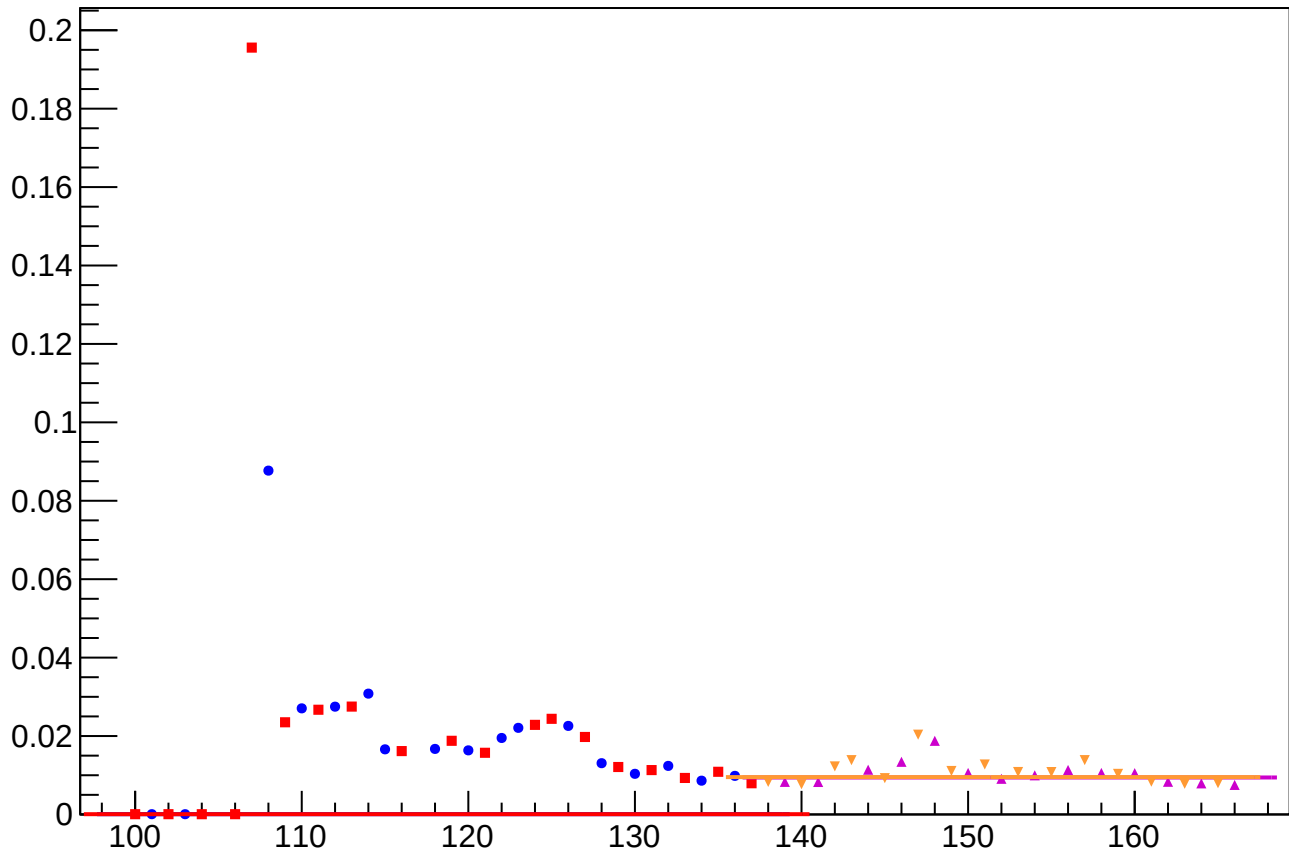
Left In: -0.824+/-0.000 χ^2/NDF : 97992451.2/13

+ sign 3.562+/-0.000 χ^2/NDF : 2305215051659.8/31

All: 3.039+/-0.000 χ^2/NDF : 13851012139160

- sign 2.582+/-0.000 χ^2/NDF : 1254614945120806.0

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 : 1015113.9/14

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

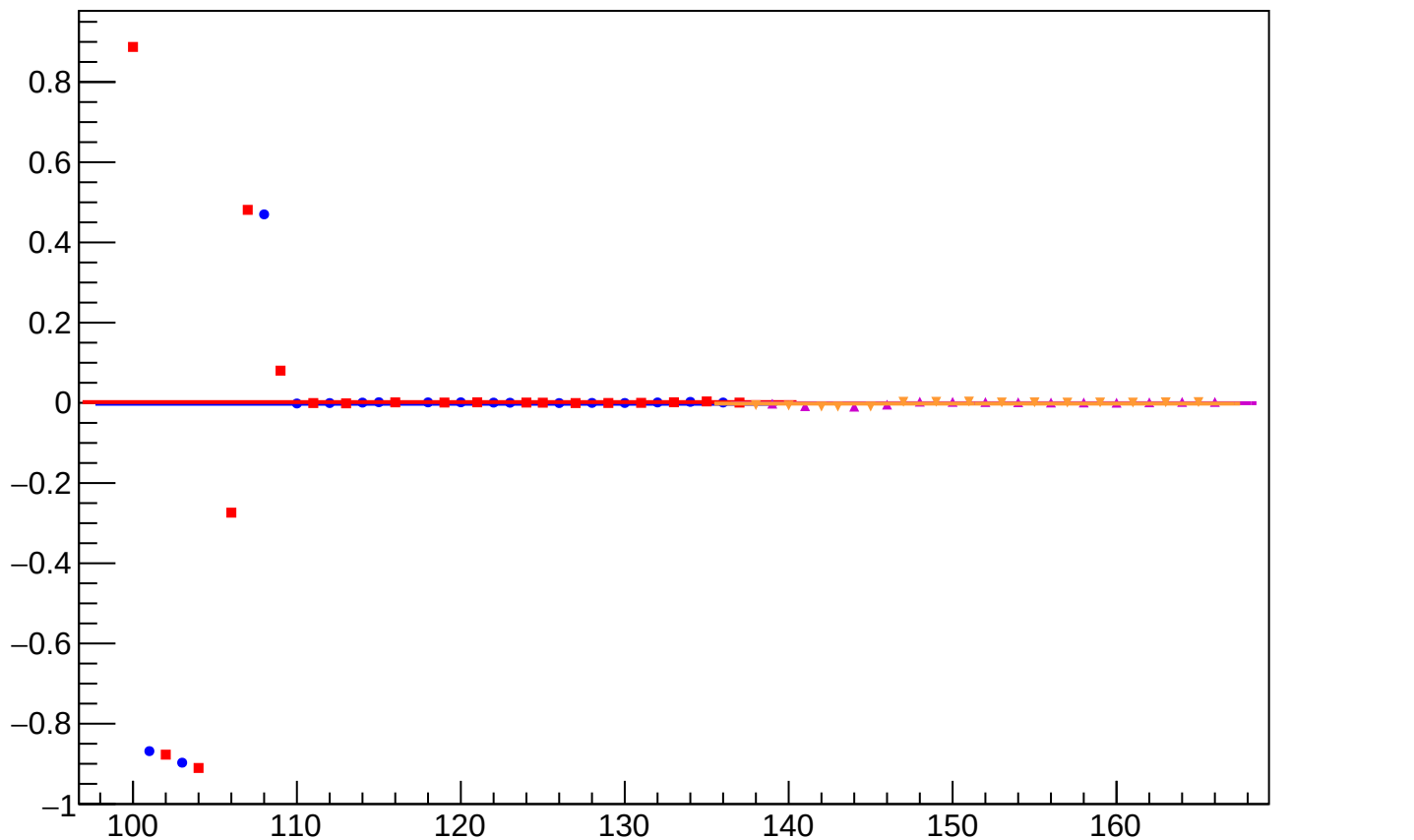
Left In: 0.009+/-0.000 χ^2/NDF : 746884.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 27745823.9/31

All: 0.000+/-0.000 χ^2/NDF : 55126143.7/64

- sign 0.000+/-0.000 χ^2/NDF : 27379742.9/32

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9795424036.3/16

Left Out: -0.002+/-0.000 χ^2/NDF : 88972275.8/14

Right Out: 0.002+/-0.000 χ^2/NDF : 3041331104.7/18

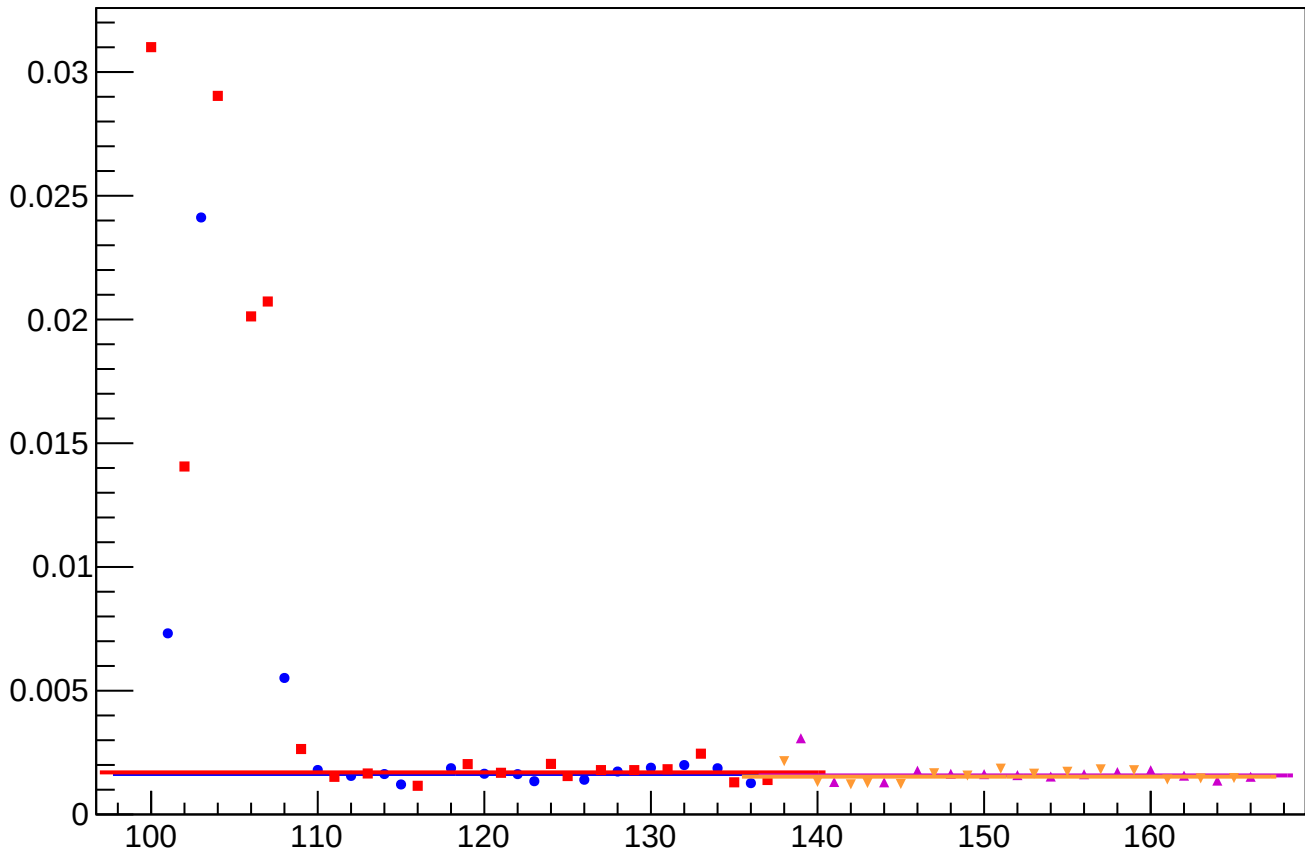
Left In: -0.001+/-0.000 χ^2/NDF : 65486723.3/13

+ sign -0.002+/-0.000 χ^2/NDF : 9884537462.1/31

All: -0.001+/-0.000 χ^2/NDF : 13009797499.9

- sign -0.000+/-0.000 χ^2/NDF : 3114781626.8/32

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: 419378.7/14

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

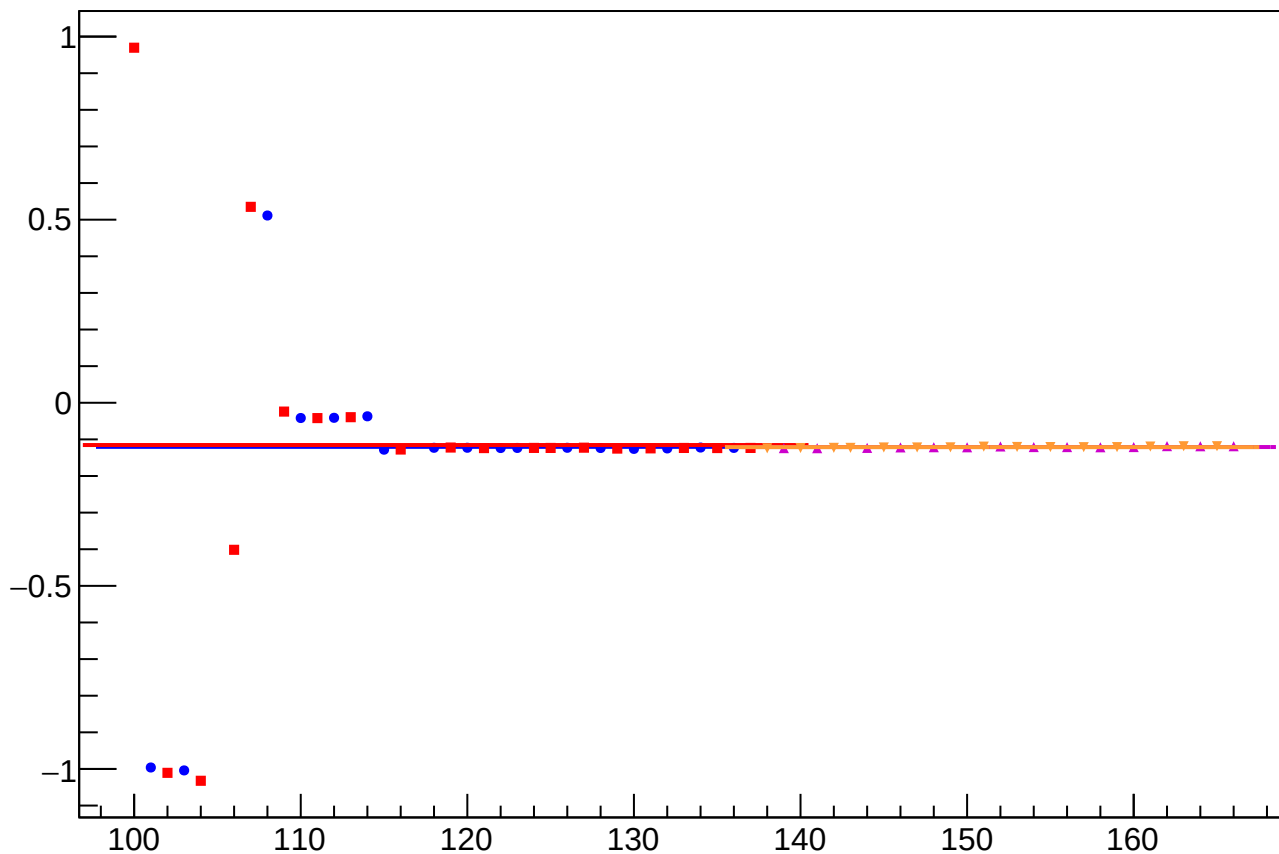
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 498466.4/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2365909.8/31

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5936645.0/64

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3556117.4/32

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.121+/-0.000 χ^2/NDF : 24779517.6/14

Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

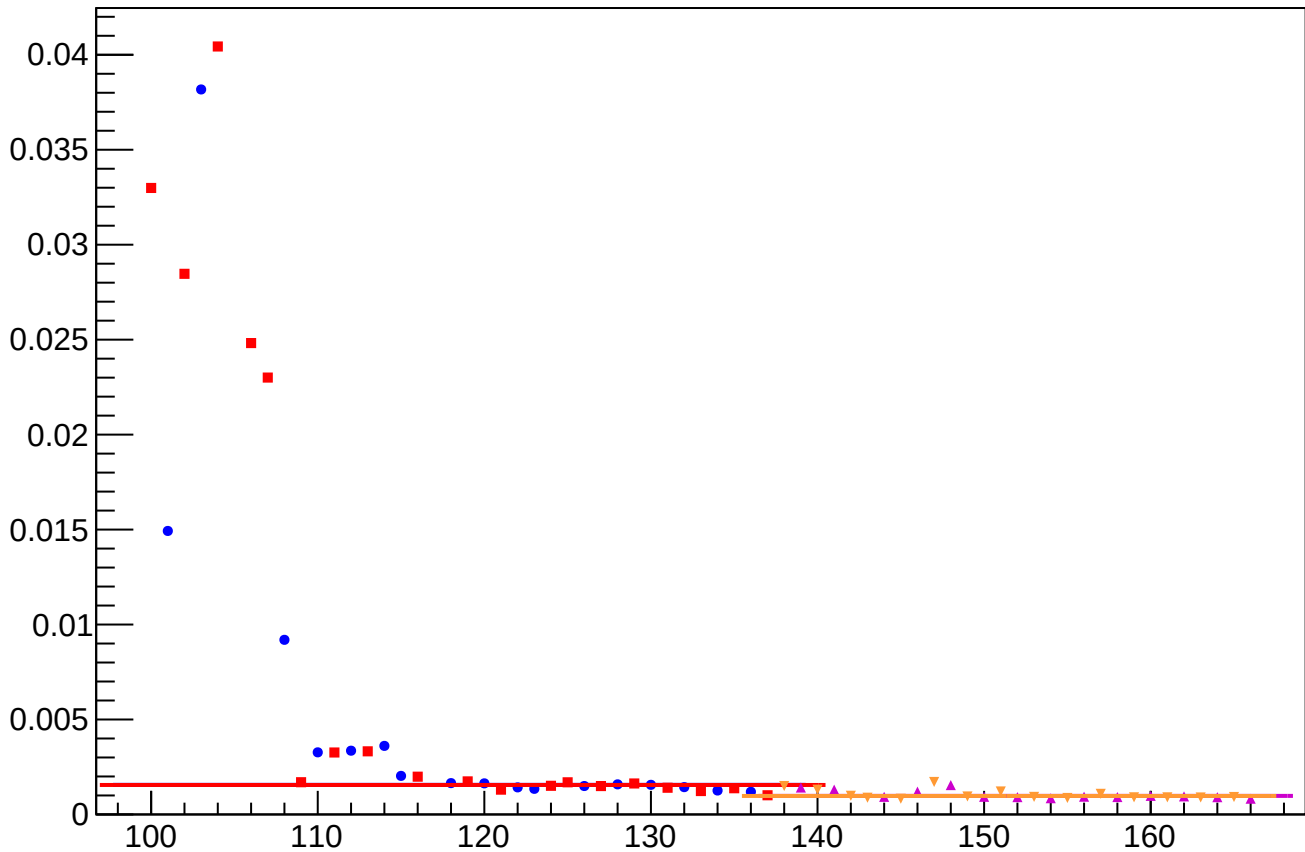
Left In: -0.121+/-0.000 χ^2/NDF : 27558403.2/13

+ sign -0.121+/-0.000 χ^2/NDF : 3958006604.5/31

All: -0.121+/-0.000 χ^2/NDF : 6495999271.7/6

- sign -0.120+/-0.000 χ^2/NDF : 2532458608.5/32

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2903607.4/16

Left Out: 0.001+/-0.000 χ^2/NDF : 716060.2/14

Right Out: 0.002+/-0.000 χ^2/NDF : 3538622.3/18

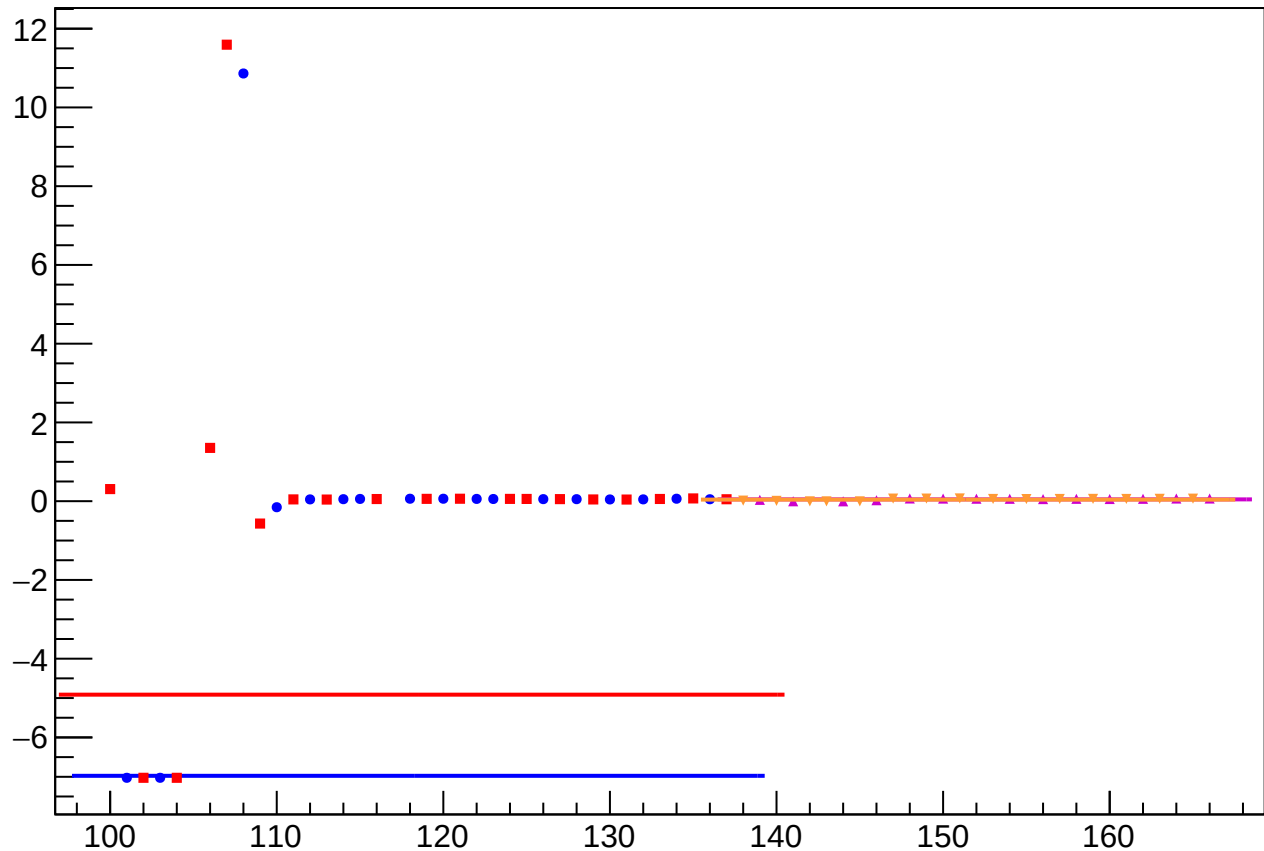
Left In: 0.001+/-0.000 χ^2/NDF : 565078.6/13

+ sign 0.001+/-0.000 χ^2/NDF : 4720493.9/31

All: 0.001+/-0.000 χ^2/NDF : 9885034.2/64

- sign 0.001+/-0.000 χ^2/NDF : 5164373.8/32

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2 /NDF: 8787948713830.4/16

Left Out: 0.040+/-0.000 χ^2 /NDF:91160179.7/14

Right Out: -4.914+/-0.000 χ^2 /NDF: 365362215369689.4/18

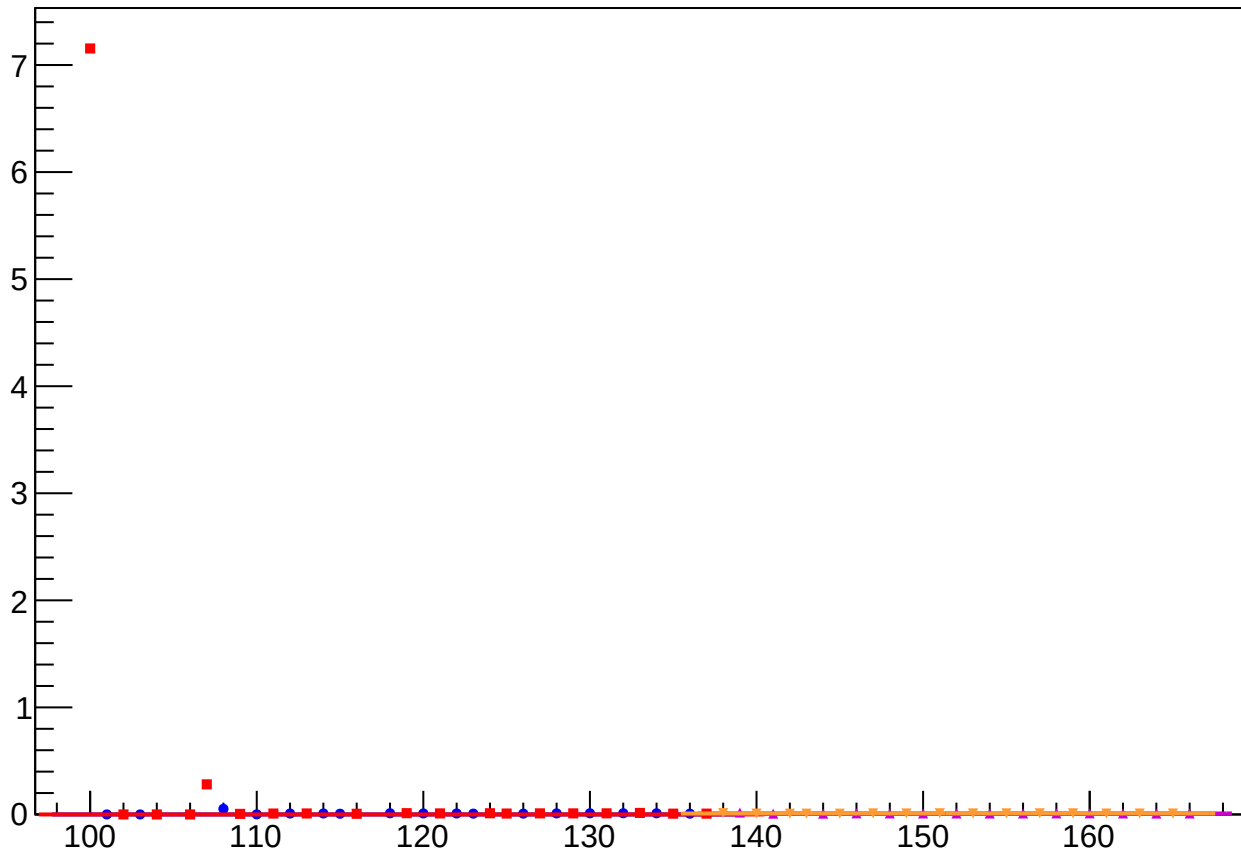
Left In: 0.046+/-0.000 χ^2 /NDF:73297884.4/13

+ sign -6.945+/-0.000 χ^2 /NDF: 14044312793124.2/16

All: -5.877+/-0.000 χ^2 /NDF: 4376373172183

- sign -4.896+/-0.000 χ^2 /NDF: 367817375945522.1

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 : 411797.2/14

Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

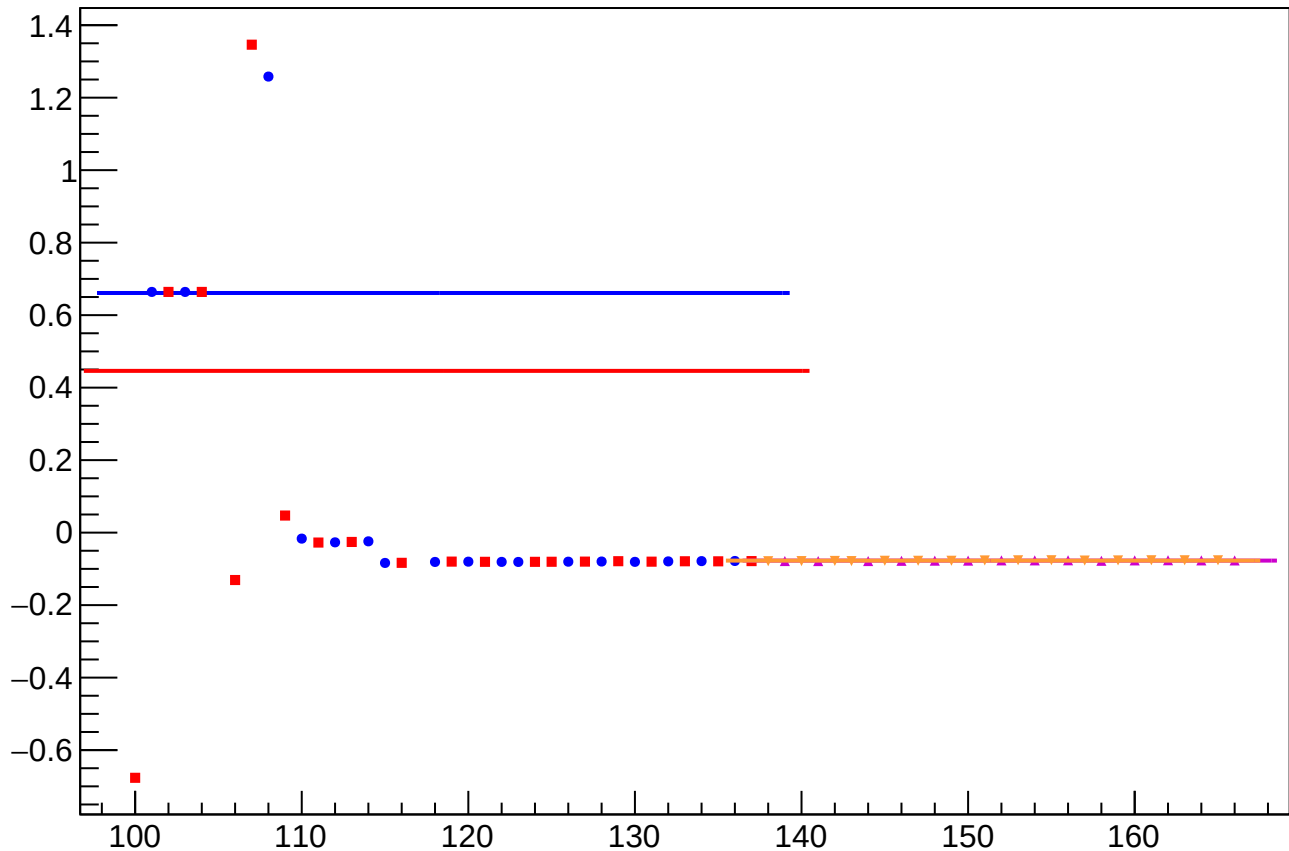
Left In: 0.009+/-0.000 χ^2/NDF : 492734.6/13

+ sign 0.000+/-0.000 χ^2/NDF : 25475824.9/31

All: 0.000+/-0.000 χ^2/NDF : 51414739.1/64

- sign 0.000+/-0.000 χ^2/NDF : 25937289.0/32

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 : 27342206.4/14

Right Out: 0.446+/-0.000 χ^2/NDF : 405428604683882.5/18

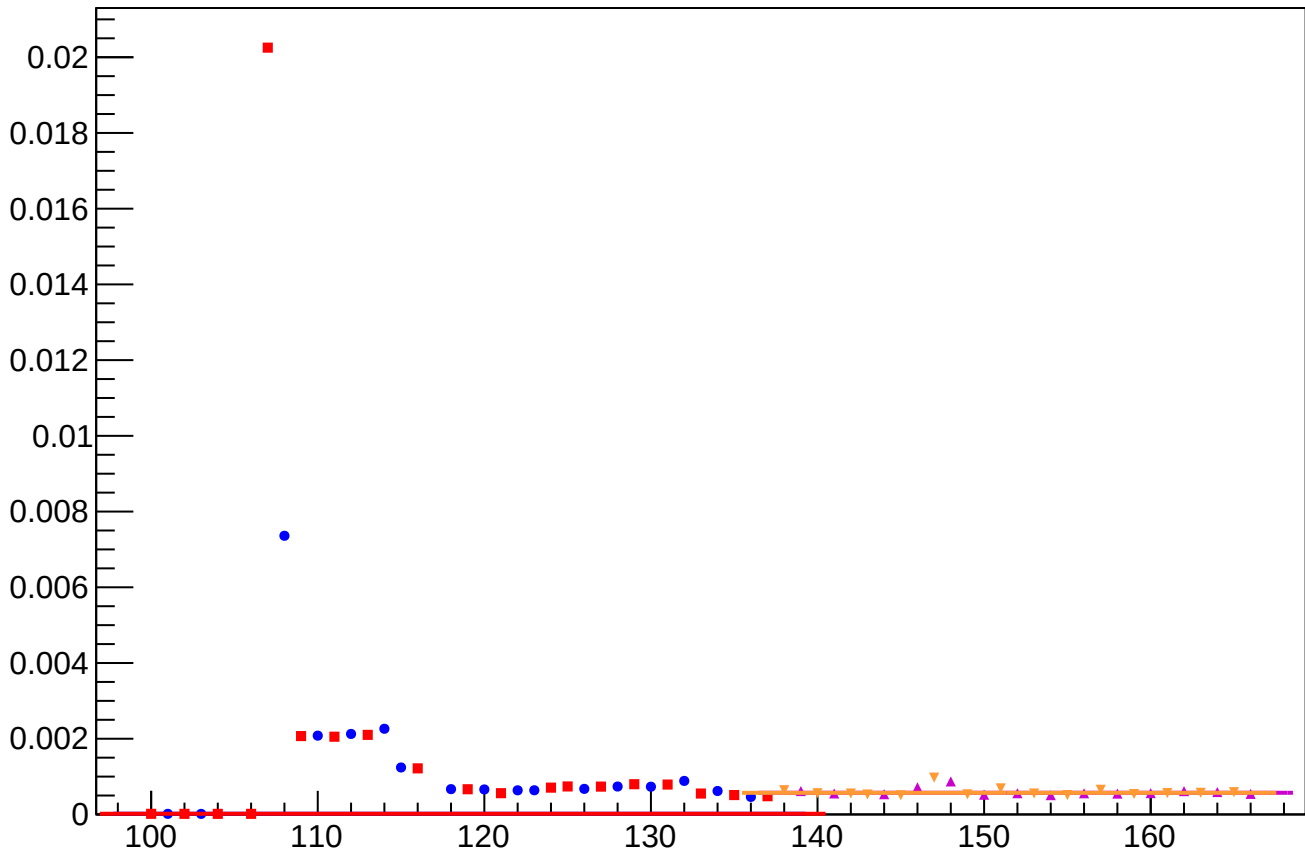
Left In: -0.077+/-0.000 χ^2/NDF : 19757519.2/13

+ sign 0.652+/-0.000 χ^2/NDF : 22885166476579.8/3

All: 0.542+/-0.000 χ^2/NDF : 4985467314078

- sign 0.441+/-0.000 χ^2/NDF : 413929945336028.9/3

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 : 407945.6/14

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

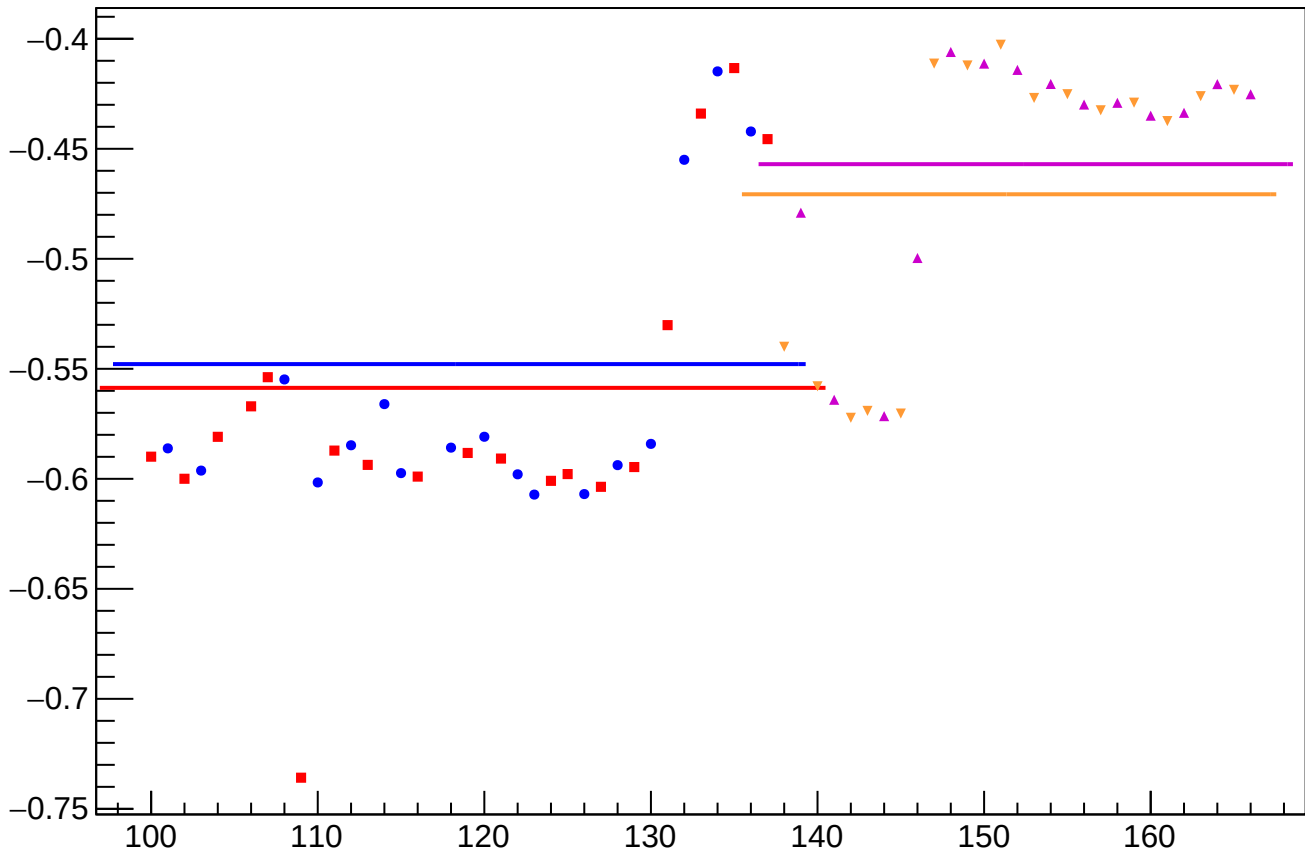
Left In: 0.001+/-0.000 χ^2/NDF : 315533.4/13

+ sign 0.000+/-0.000 χ^2/NDF : 29720598.8/31

All: 0.000+/-0.000 χ^2/NDF : 58601685.7/64

- sign 0.000+/-0.000 χ^2/NDF : 28879532.3/32

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.471+/-0.000 χ^2/NDF : 99399788.4/14

Right Out: -0.559+/-0.000 χ^2/NDF : 65682293.5/18

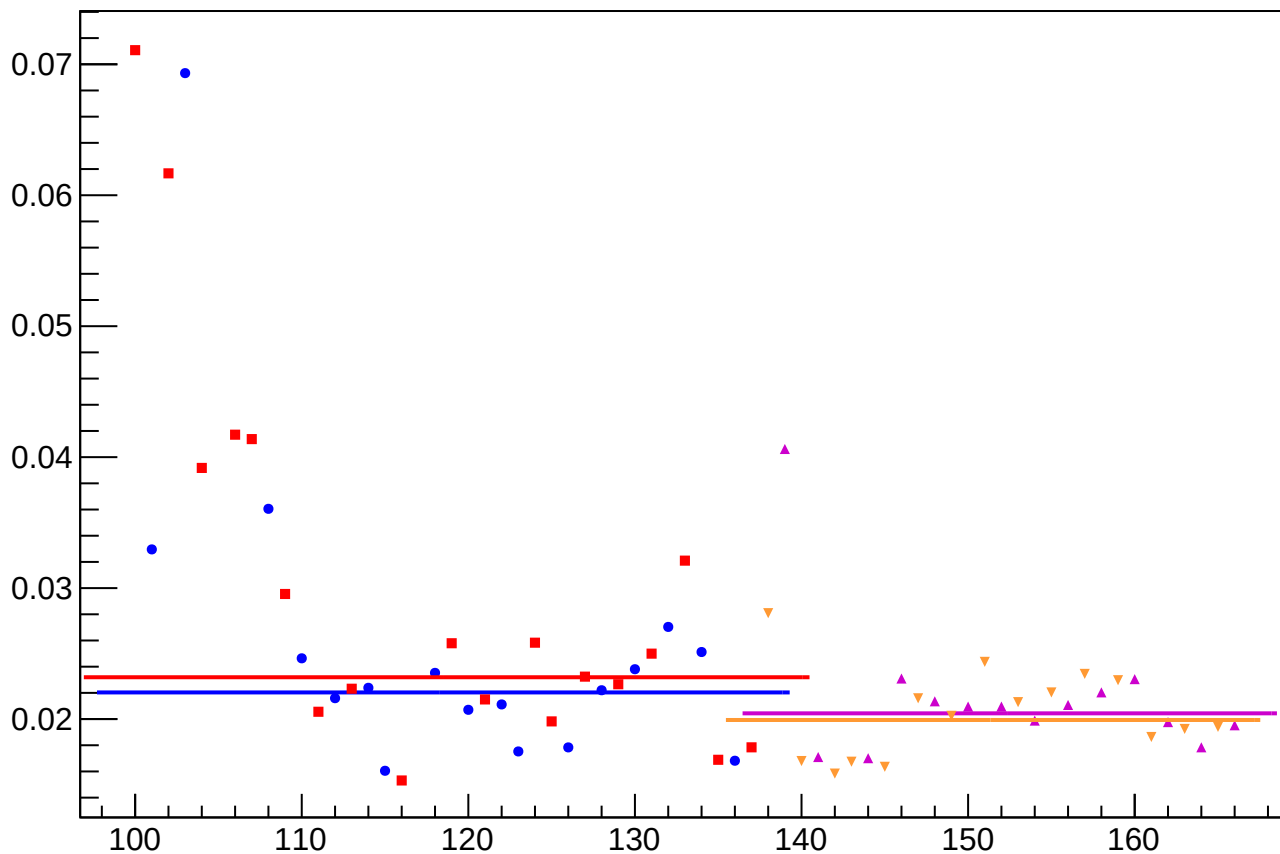
Left In: -0.457+/-0.000 χ^2/NDF : 72543613.5/13

+ sign -0.496+/-0.000 χ^2/NDF : 190326652.3/31

All: -0.493+/-0.000 χ^2/NDF : 398394991.8/64

- sign -0.490+/-0.000 χ^2/NDF : 207539766.5/32

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: 392774.2/14

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156989.7/18

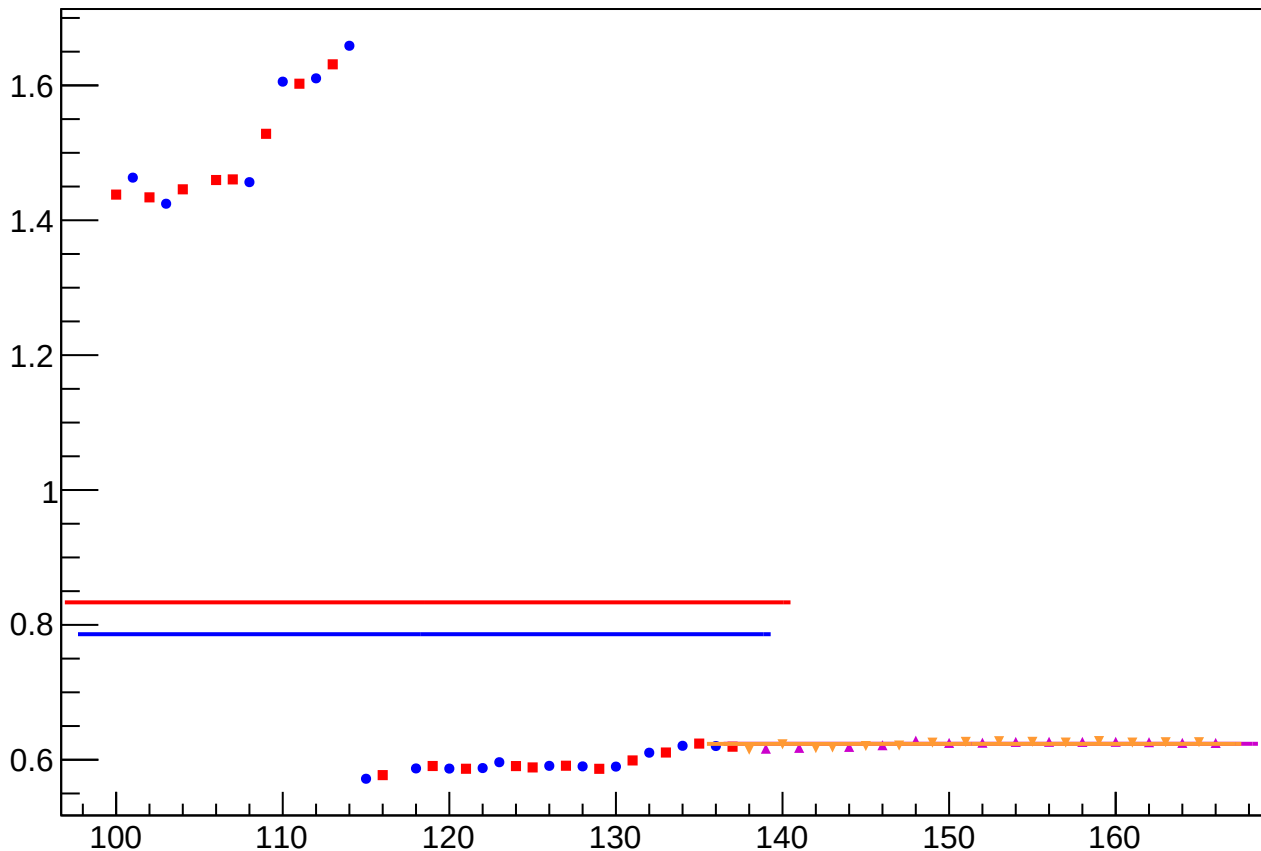
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 500855.3/13

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1414655.1/31

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3190595.2/64

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1759708.2/32

yield_bpm4aY_mean vs Slug



Right In: 0.786 $\pm$ 0.000 χ^2/NDF : 3590113316.1/16

Left Out: 0.624 $\pm$ 0.000 χ^2/NDF : 1044181.9/14

Right Out: 0.833 $\pm$ 0.000 χ^2/NDF : 4156812252.4/18

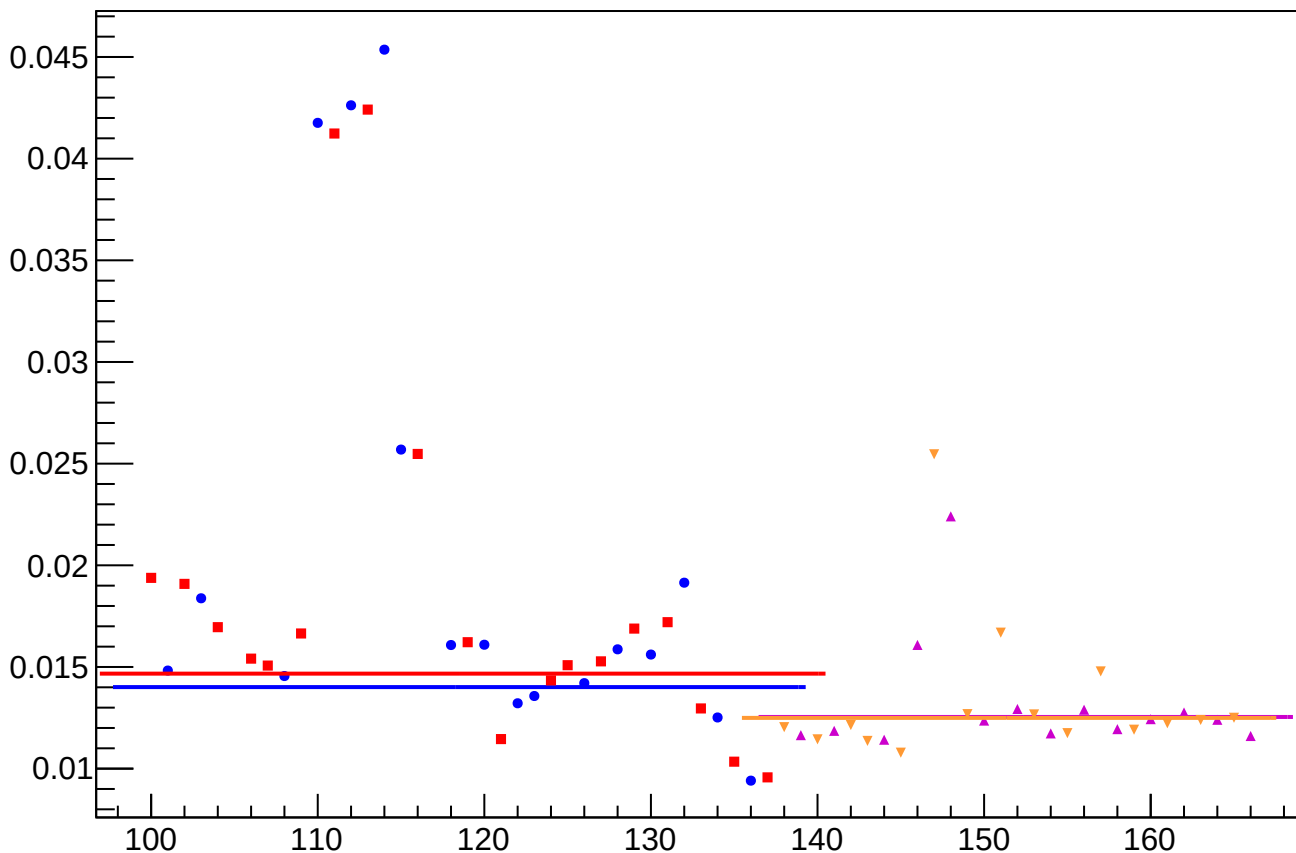
Left In: 0.624 $\pm$ 0.000 χ^2/NDF : 885641.0/13

+ sign 0.673 $\pm$ 0.000 χ^2/NDF : 4125211099.1/31

All: 0.679 $\pm$ 0.000 χ^2/NDF : 9153863335.5/64

- sign 0.686 $\pm$ 0.000 χ^2/NDF : 5019934893.0/32

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:588417.7/14

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1263462.0/18

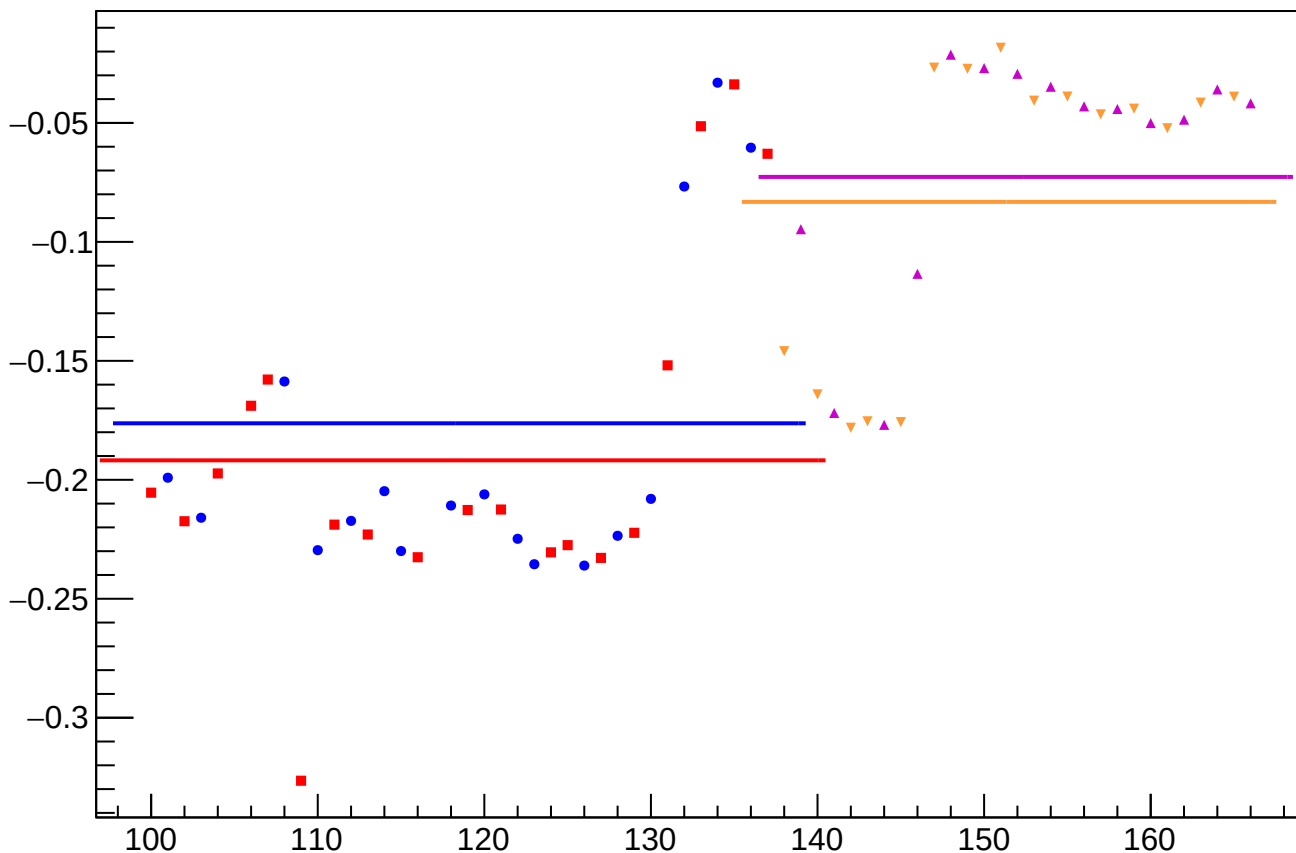
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:417010.9/13

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2085944.7/31

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3949185.9/64

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1858507.4/32

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.083+/-0.000 χ^2/NDF : 95147728.5/14

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

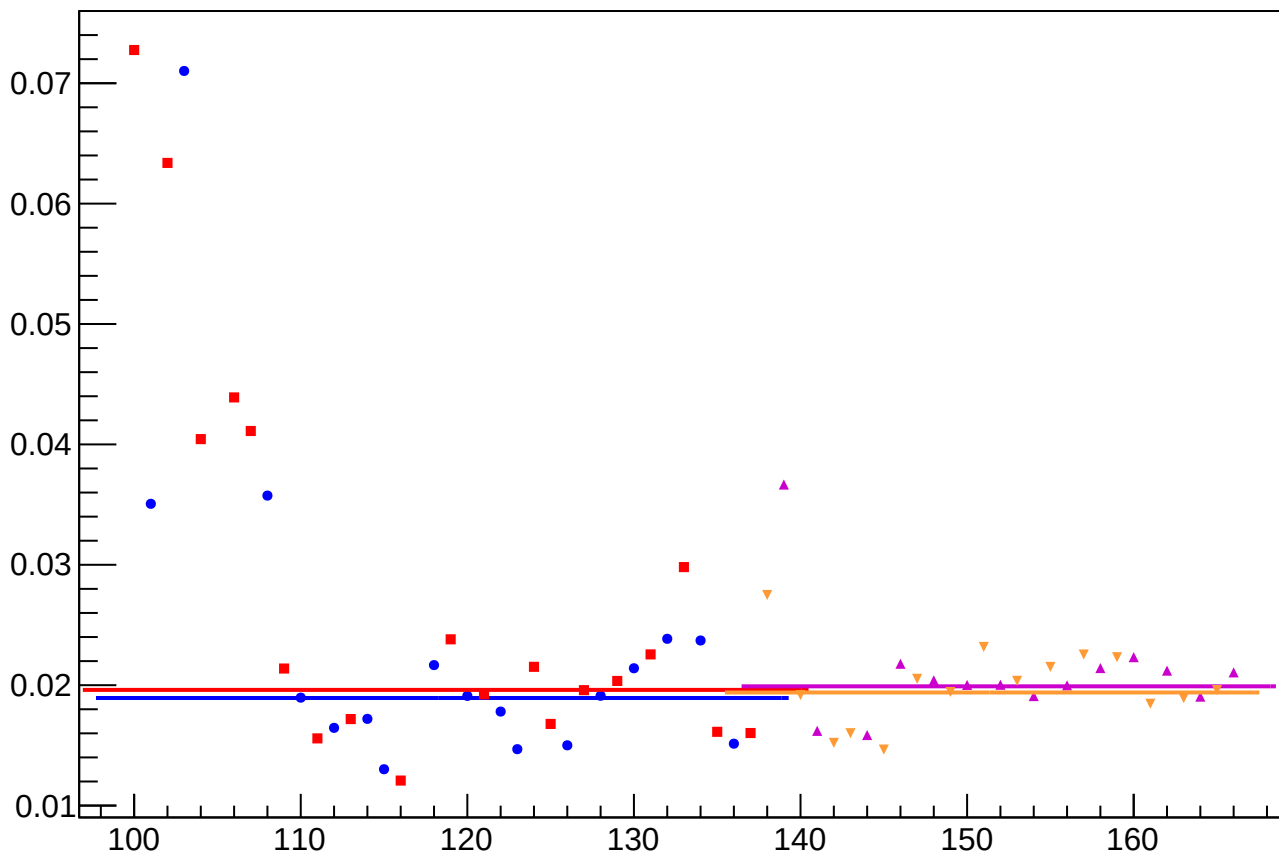
Left In: -0.073+/-0.000 χ^2/NDF : 72837694.4/13

+ sign -0.118+/-0.000 χ^2/NDF : 241116353.2/31

All: -0.118+/-0.000 χ^2/NDF : 516661301.9/64

- sign -0.118+/-0.000 χ^2/NDF : 275544943.6/32

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 : 416915.0/14

Right Out: 0.020+/-0.000 χ^2/NDF : 1457660.9/18

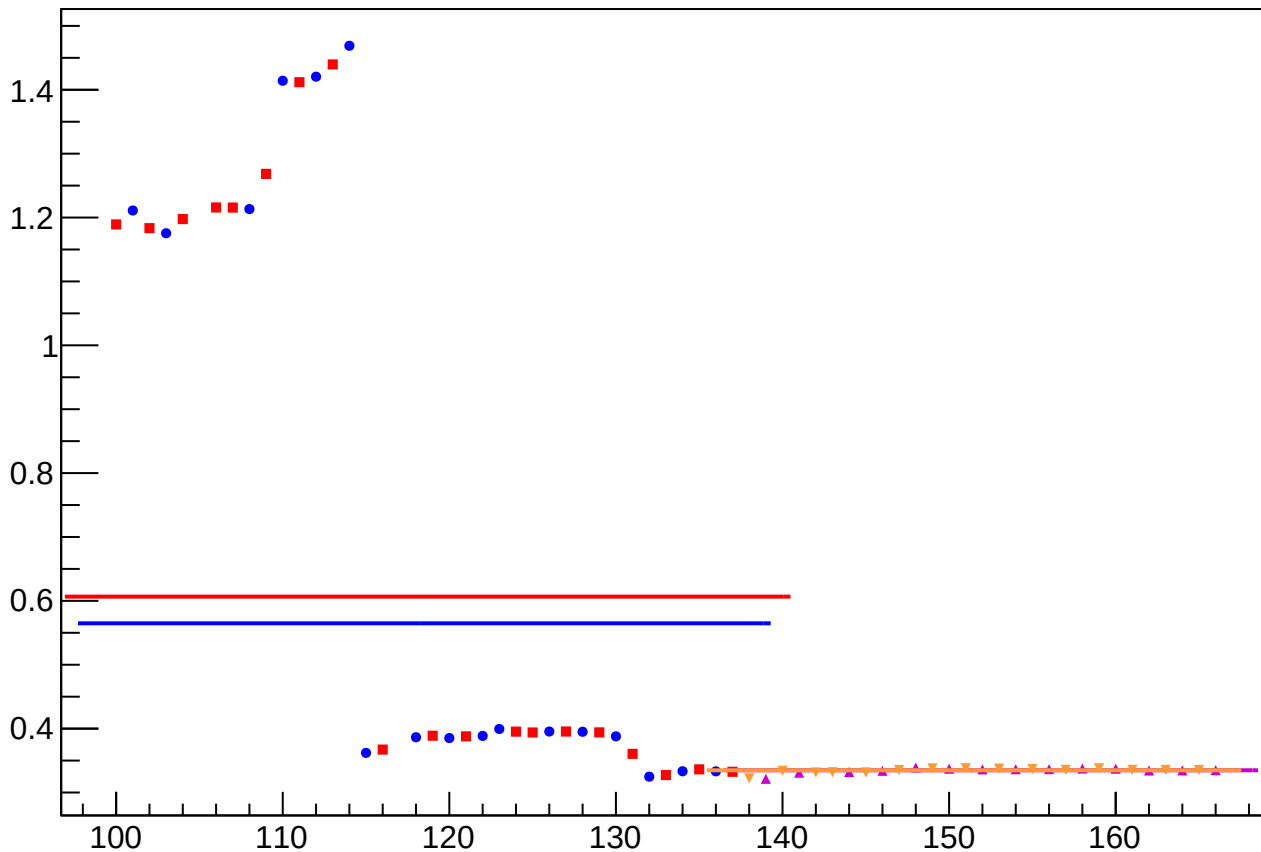
Left In: 0.020+/-0.000 χ^2/NDF : 472134.1/13

+ sign 0.019+/-0.000 χ^2/NDF : 1626451.1/31

All: 0.020+/-0.000 χ^2/NDF : 3569575.0/64

- sign 0.020+/-0.000 χ^2/NDF : 1931262.5/32

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:1069510.4/14

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5513752213.8/18

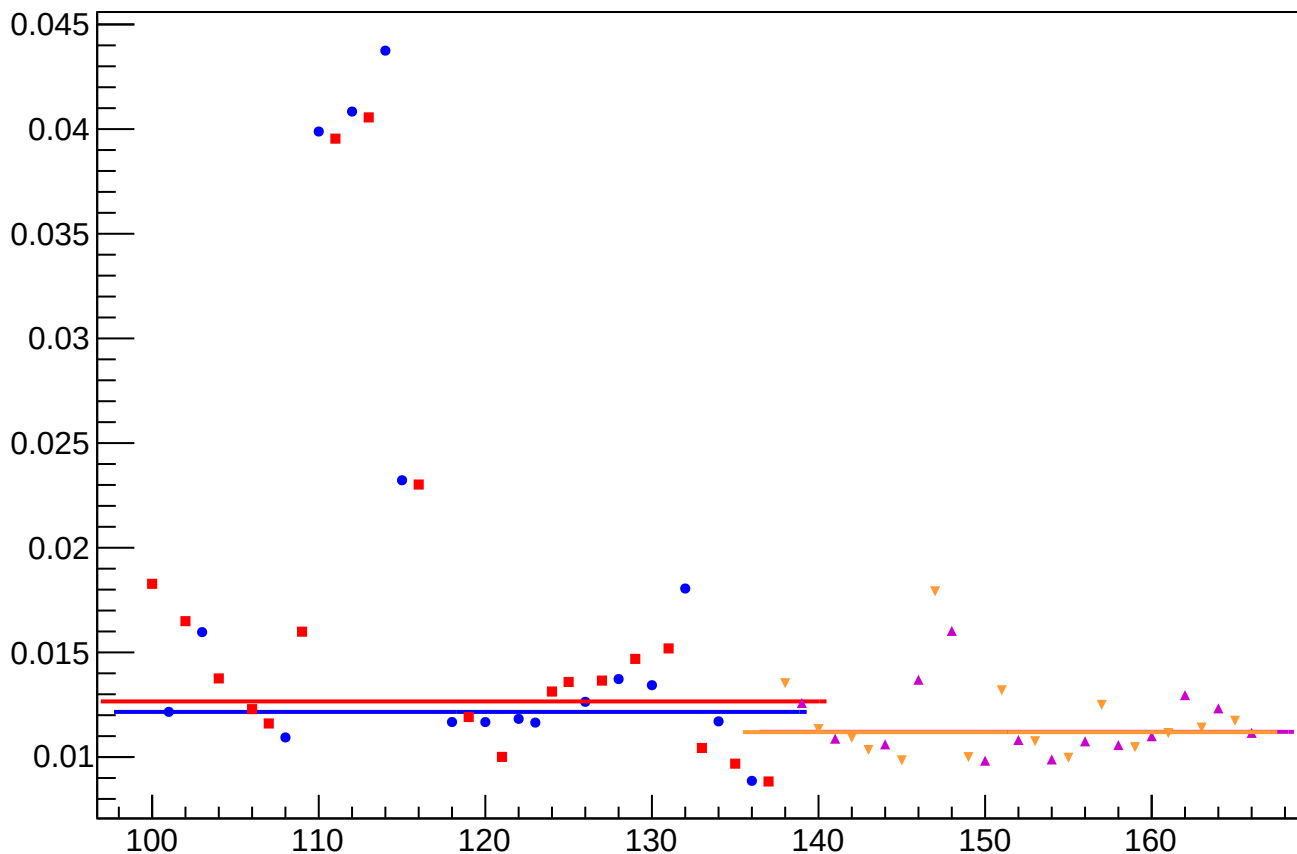
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1154036.2/13

+ sign 0.407 $\pm$ 0.000 χ^2 /NDF: 6421819656.8/31

All: 0.413 $\pm$ 0.000 χ^2 /NDF: 13819871463.8/6

- sign 0.419 $\pm$ 0.000 χ^2 /NDF: 7389630010.8/32

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1309888.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:398117.4/14

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

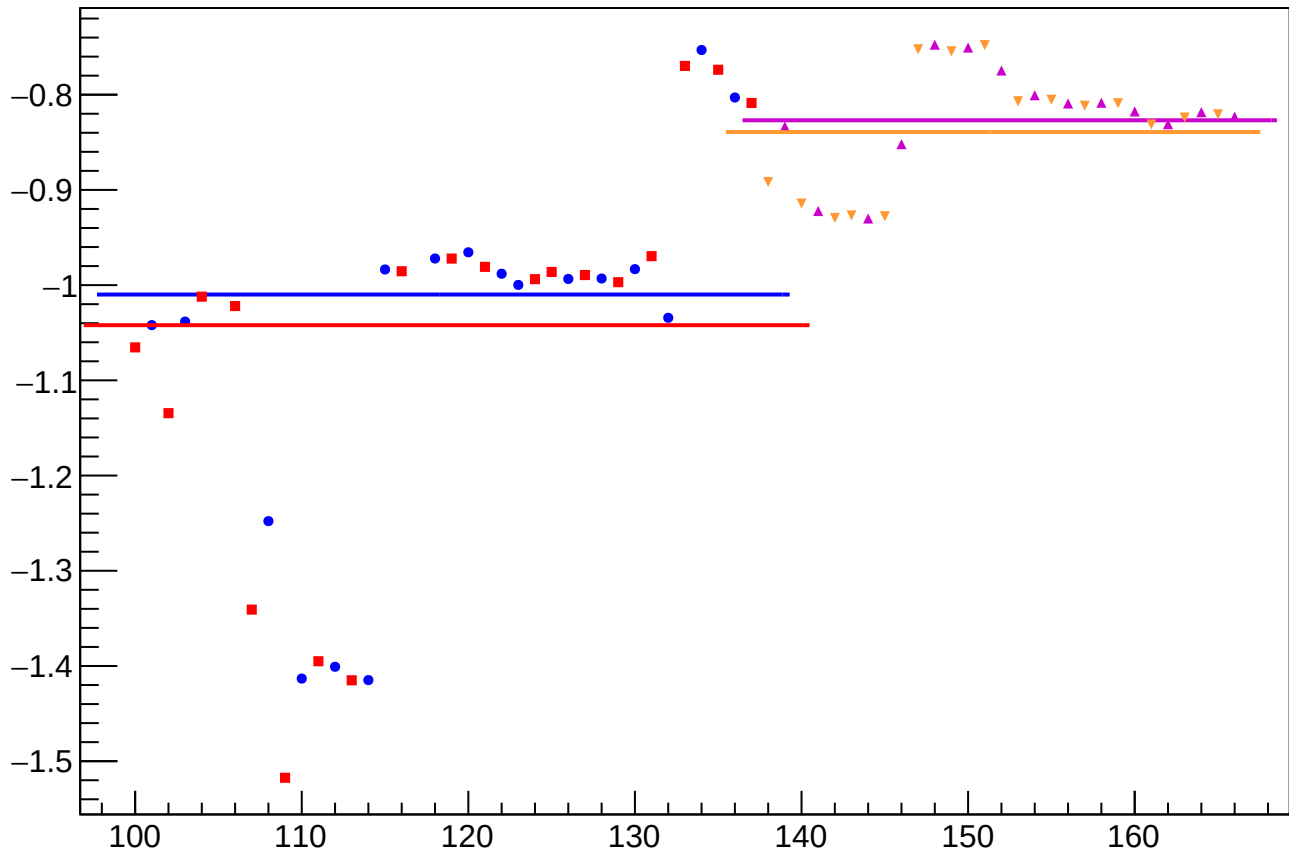
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:321273.4/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1757037.7/31

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3459185.1/64

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1699063.6/32

yield_bpm4acX_mean vs Slug



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.839+/-0.000 χ^2/NDF : 92687223.0/14

Right Out: -1.042+/-0.000 χ^2/NDF : 530106141.8/18

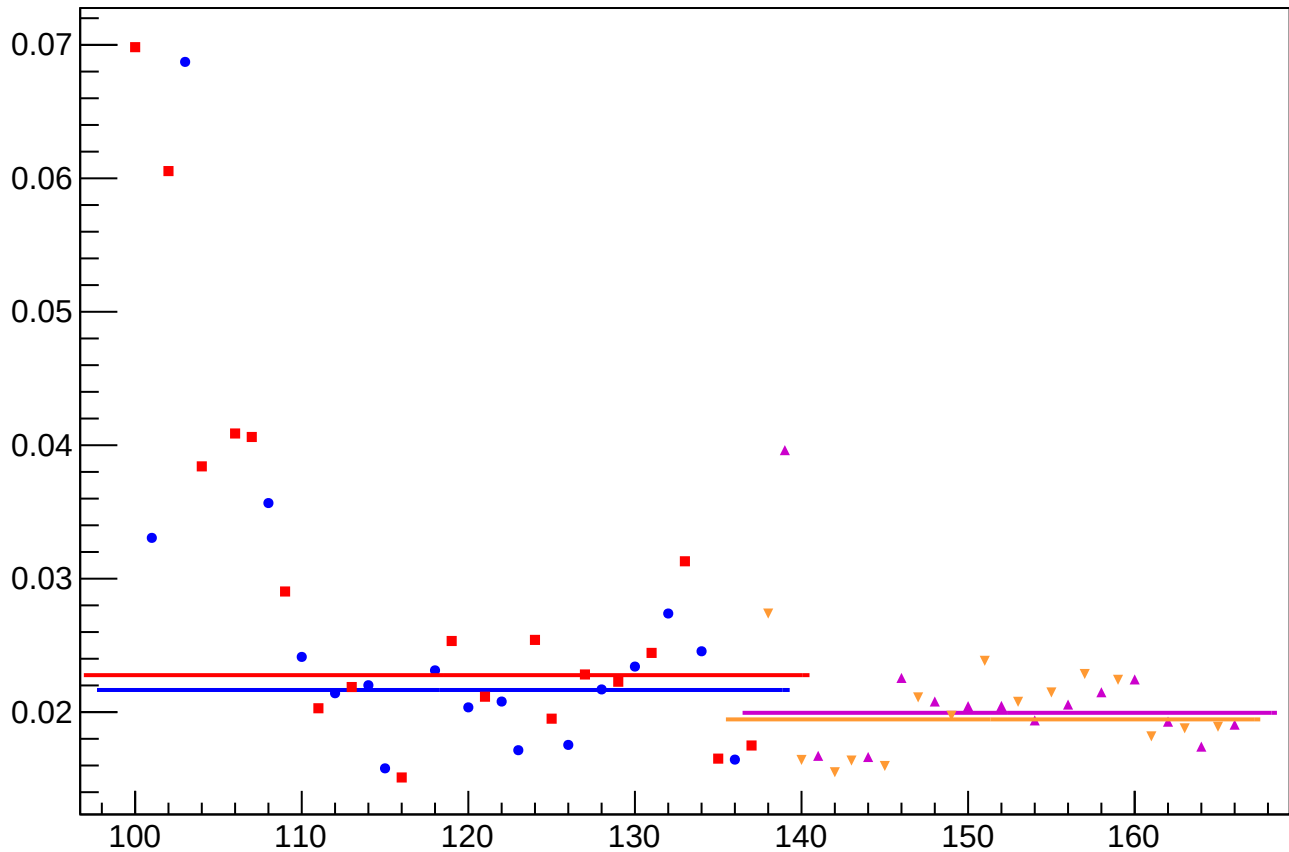
Left In: -0.827+/-0.000 χ^2/NDF : 70168542.1/13

+ sign -0.894+/-0.000 χ^2/NDF : 695329719.5/31

All: -0.895+/-0.000 χ^2/NDF : 1618617628.0/6

- sign -0.896+/-0.000 χ^2/NDF : 923227186.6/32

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:390948.3/14

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152617.8/18

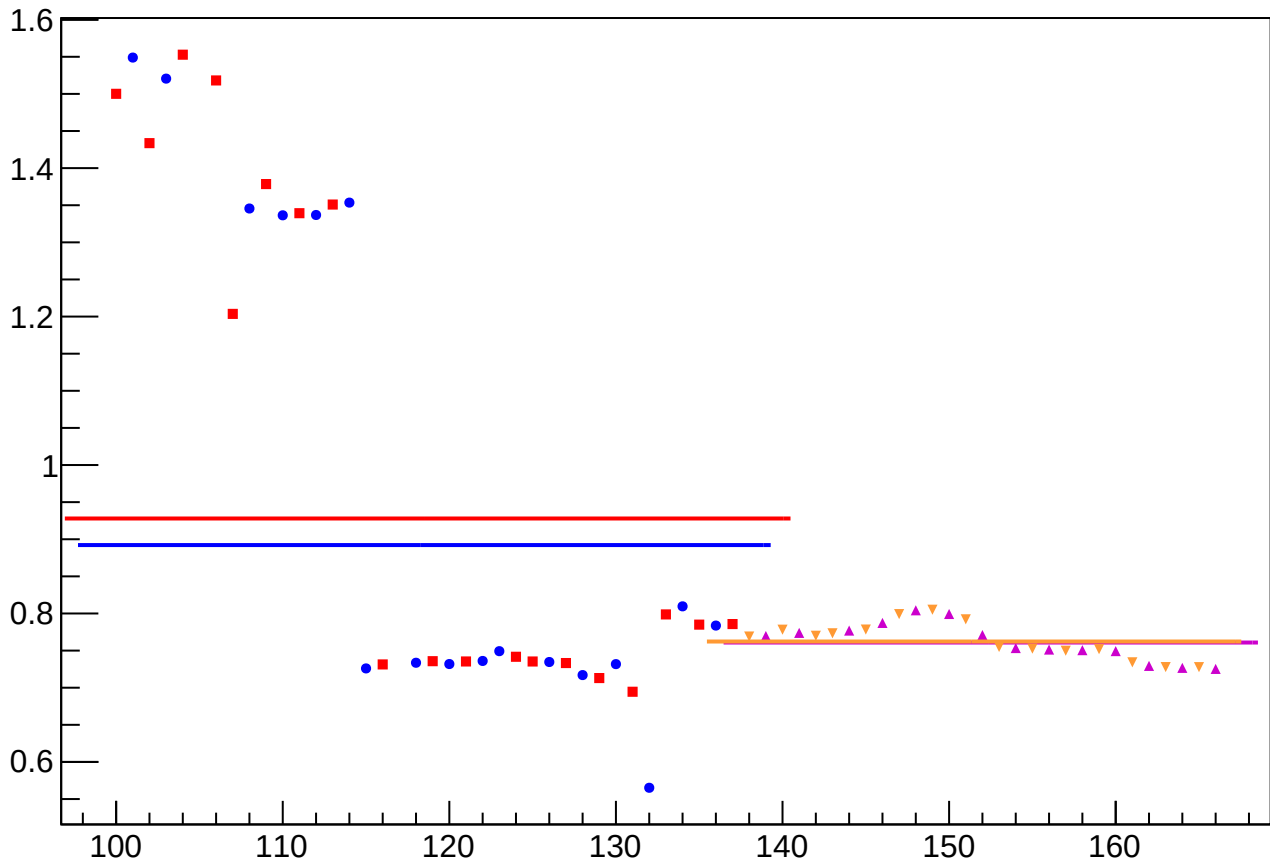
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:497785.6/13

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1446123.5/31

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3223392.8/64

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1761541.0/32

yield_bpm4acY_mean vs Slug



Right In: 0.892 $\pm$ 0.000 χ^2 /NDF: 2413732173.6/16

Left Out: 0.762 $\pm$ 0.000 χ^2 /NDF:33032602.4/14

Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2437542089.2/18

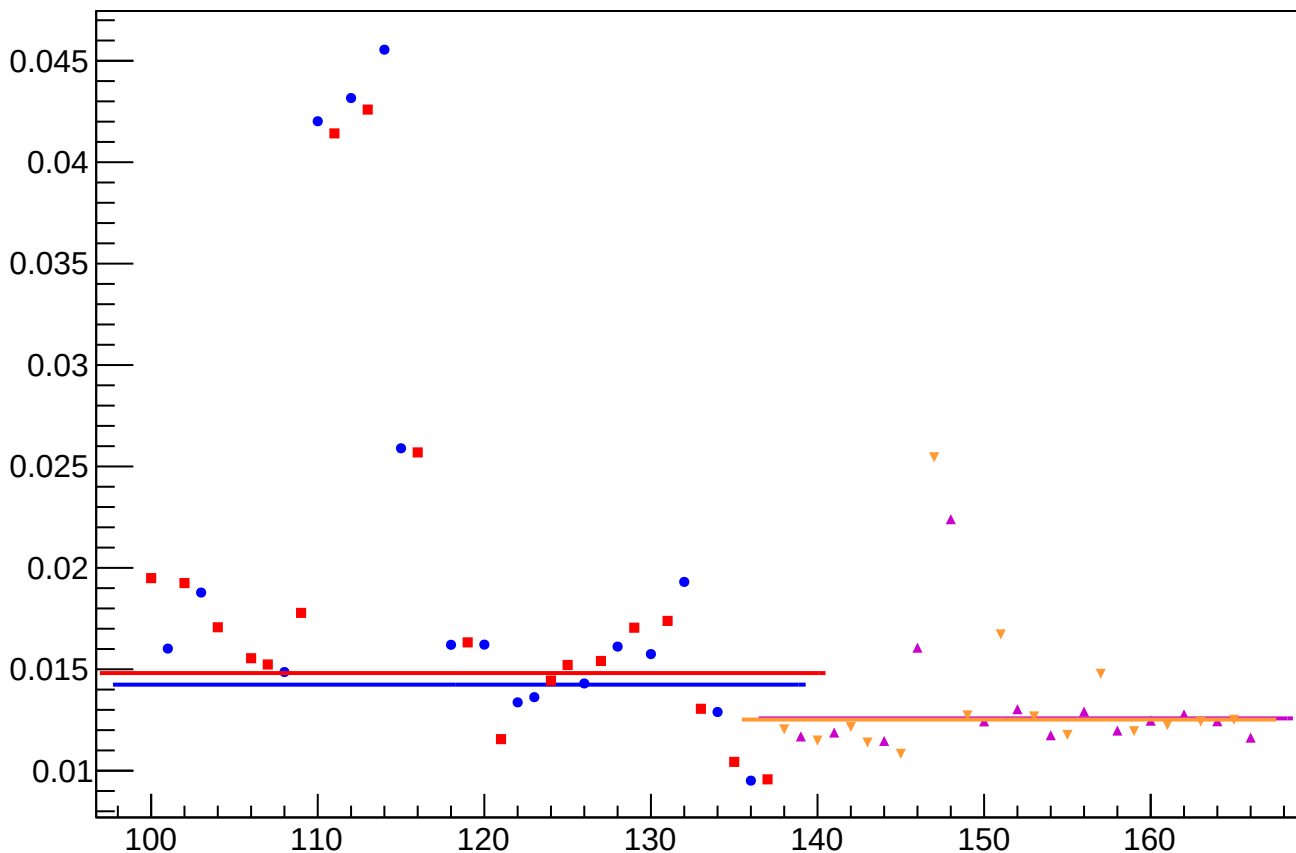
Left In: 0.761 $\pm$ 0.000 χ^2 /NDF:32448151.9/13

+ sign 0.801 $\pm$ 0.000 χ^2 /NDF: 2778268021.6/31

All: 0.805 $\pm$ 0.000 χ^2 /NDF: 5790043916.9/64

- sign 0.810 $\pm$ 0.000 χ^2 /NDF: 3007499061.1/32

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:583859.7/14

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1274172.7/18

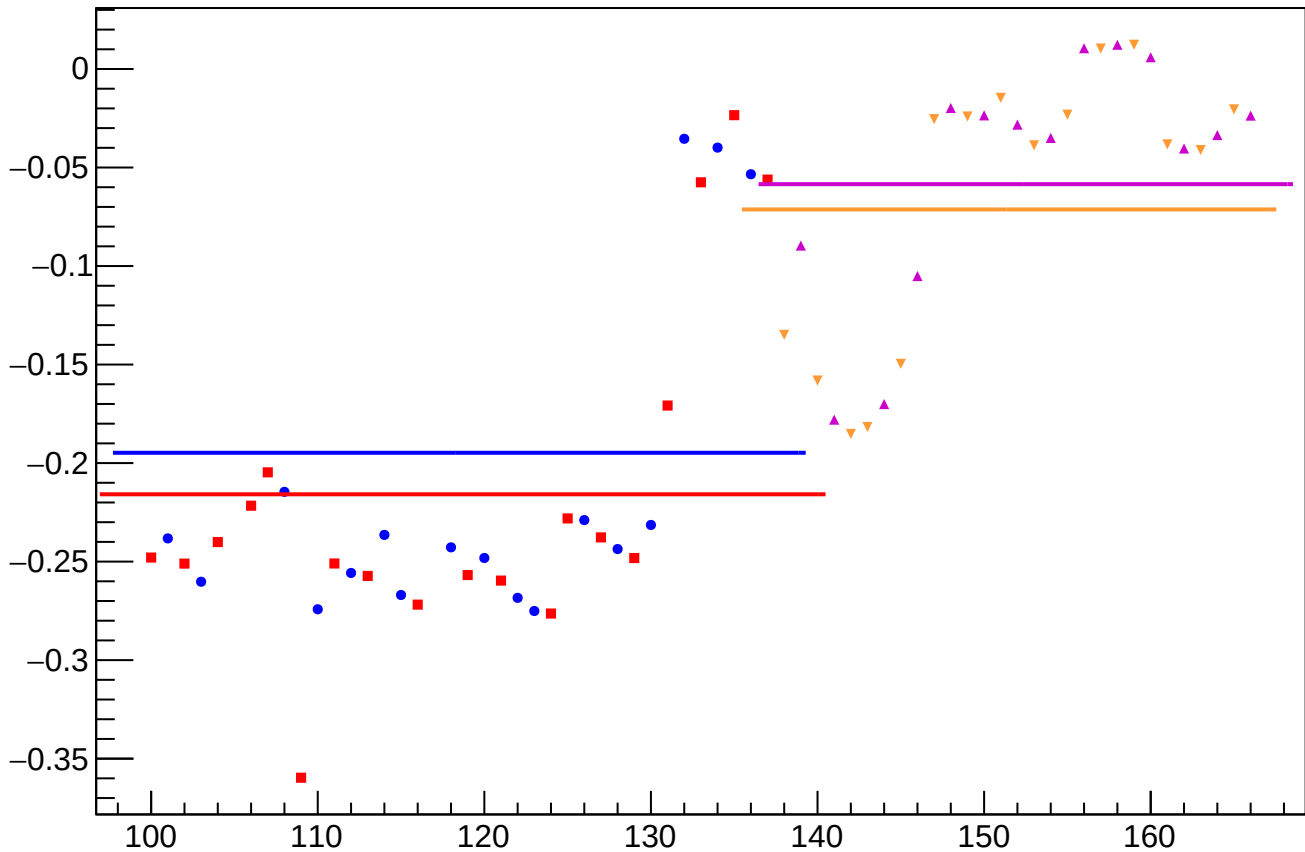
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:412926.0/13

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2115855.5/31

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3999343.6/64

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1879428.7/32

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.071+/-0.000 χ^2/NDF : 112776916.2/14

Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

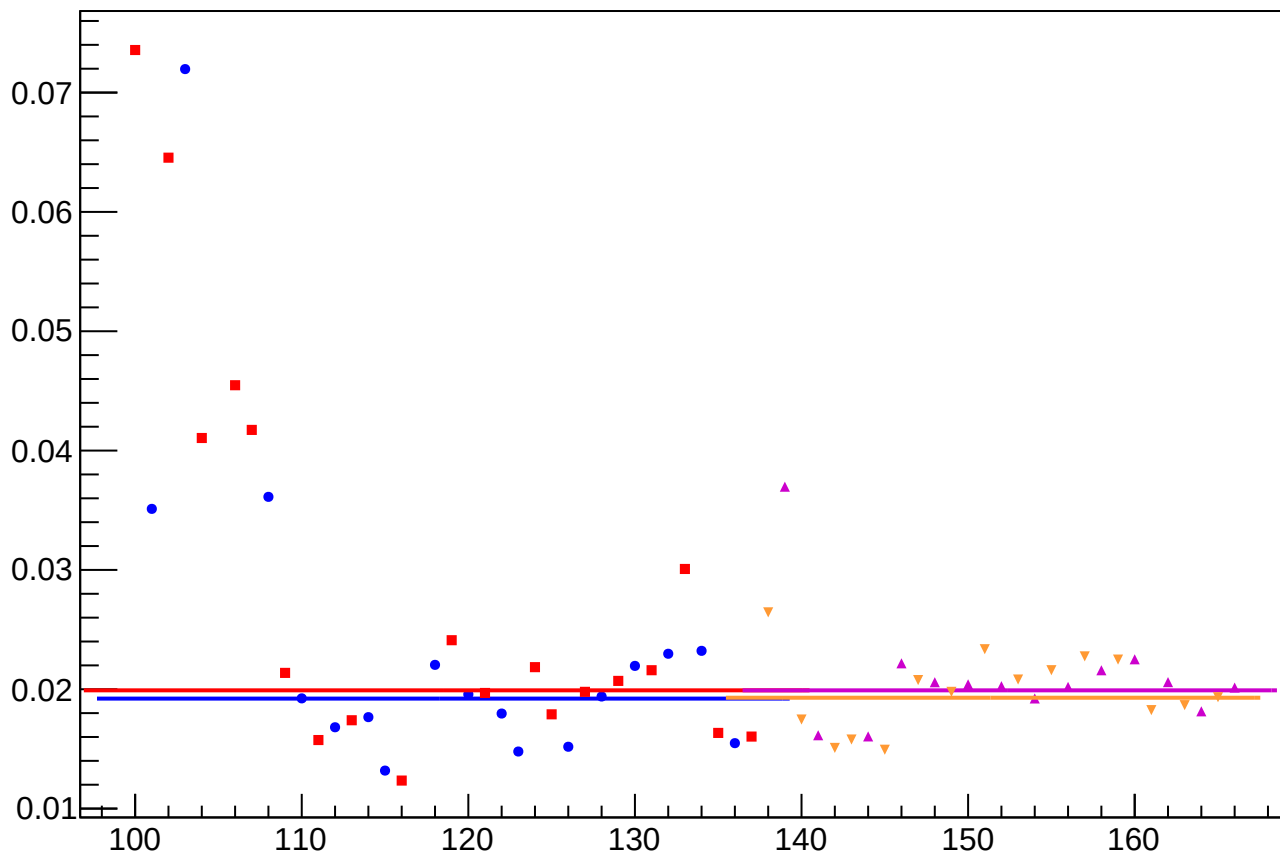
Left In: -0.058+/-0.000 χ^2/NDF : 96643967.7/13

+ sign -0.116+/-0.000 χ^2/NDF : 352797156.8/31

All: -0.117+/-0.000 χ^2/NDF : 764310904.6/64

- sign -0.117+/-0.000 χ^2/NDF : 411500775.9/32

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 : 419411.8/14

Right Out: 0.020+/-0.000 χ^2/NDF : 1446950.0/18

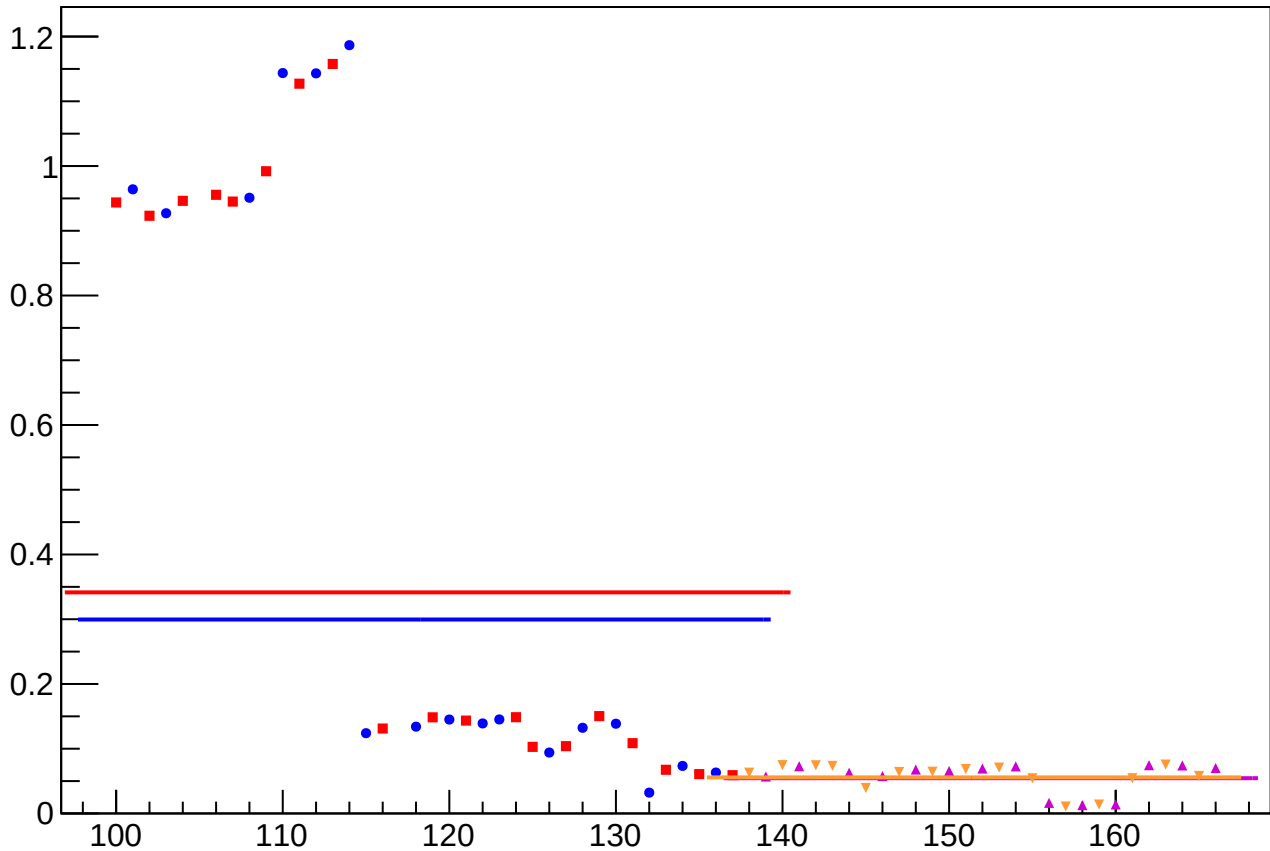
Left In: 0.020+/-0.000 χ^2/NDF : 480230.1/13

+ sign 0.019+/-0.000 χ^2/NDF : 1596588.0/31

All: 0.020+/-0.000 χ^2/NDF : 3538815.3/64

- sign 0.020+/-0.000 χ^2/NDF : 1927180.2/32

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: 37076884.9/14

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5450600455.1/18

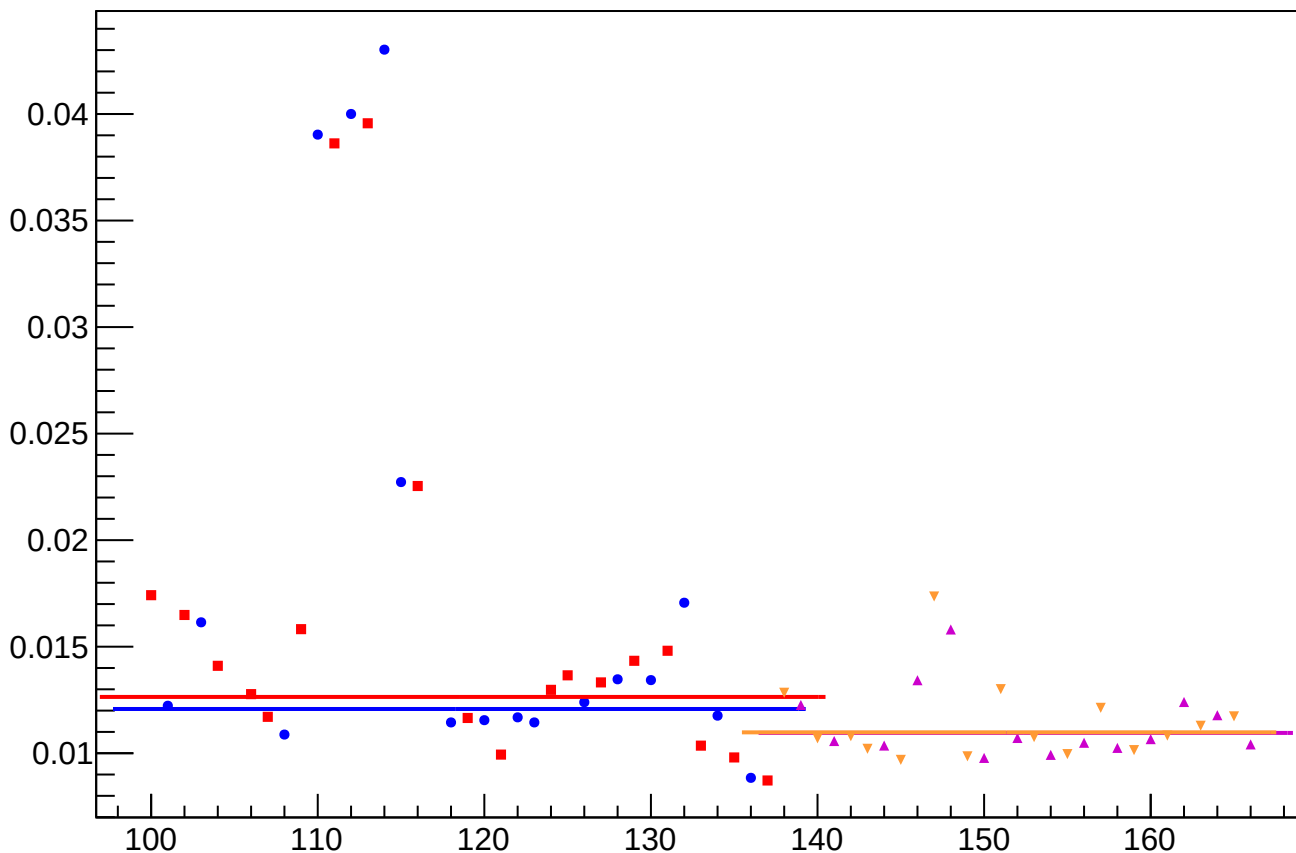
Left In: 0.054 $\pm$ 0.000 χ^2 /NDF: 48409106.1/13

+ sign 0.131 $\pm$ 0.000 χ^2 /NDF: 6799404716.7/31

All: 0.136 $\pm$ 0.000 χ^2 /NDF: 14427454141.5/6

- sign 0.141 $\pm$ 0.000 χ^2 /NDF: 7622137123.4/32

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: 369486.6/14

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1237706.0/18

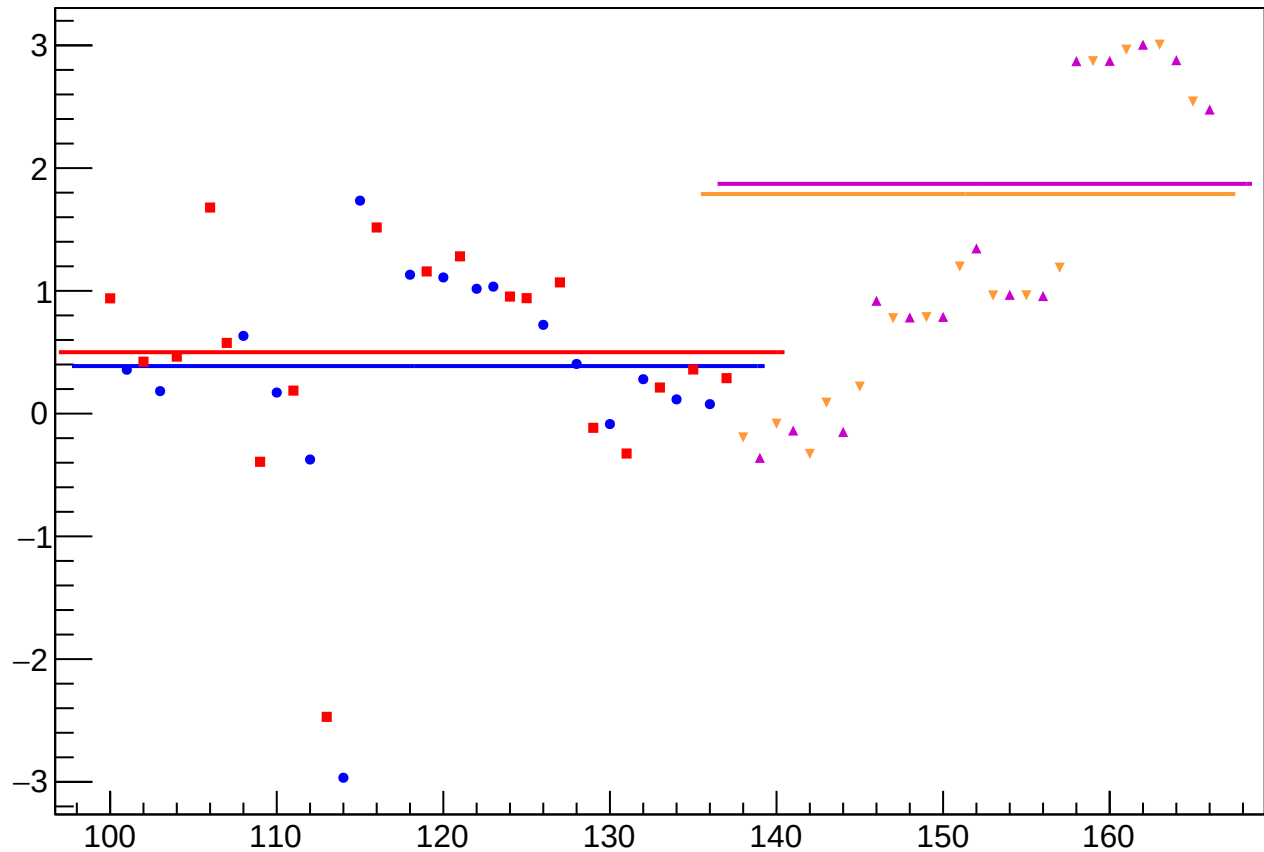
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 301572.7/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1716188.7/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3405089.6/64

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1686368.6/32

yield_bpm1X_mean vs Slug



Right In: 0.387 ± 0.000 χ^2/NDF : 247912593.5/16

Left Out: 1.789 ± 0.000 χ^2/NDF : 25012286539.8/14

Right Out: 0.500 ± 0.000 χ^2/NDF : 983360928.1/18

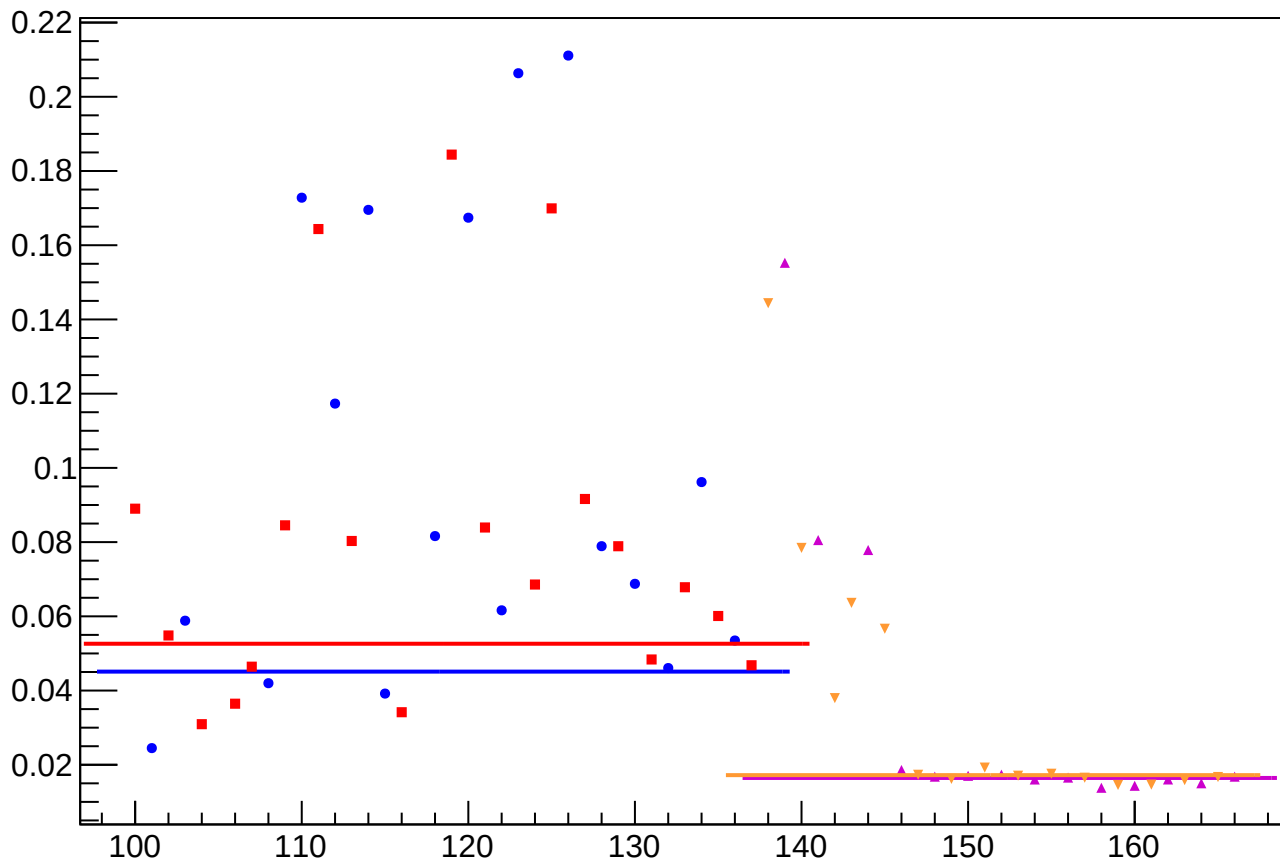
Left In: 1.872 ± 0.000 χ^2/NDF : 27050923585.2/13

+ sign 1.700 ± 0.000 χ^2/NDF : 28477297045.1/31

All: 1.754 ± 0.000 χ^2/NDF : 59337030211.8/6

- sign 1.804 ± 0.000 χ^2/NDF : 30703757468.1/32

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 : 2729550.5/14

Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

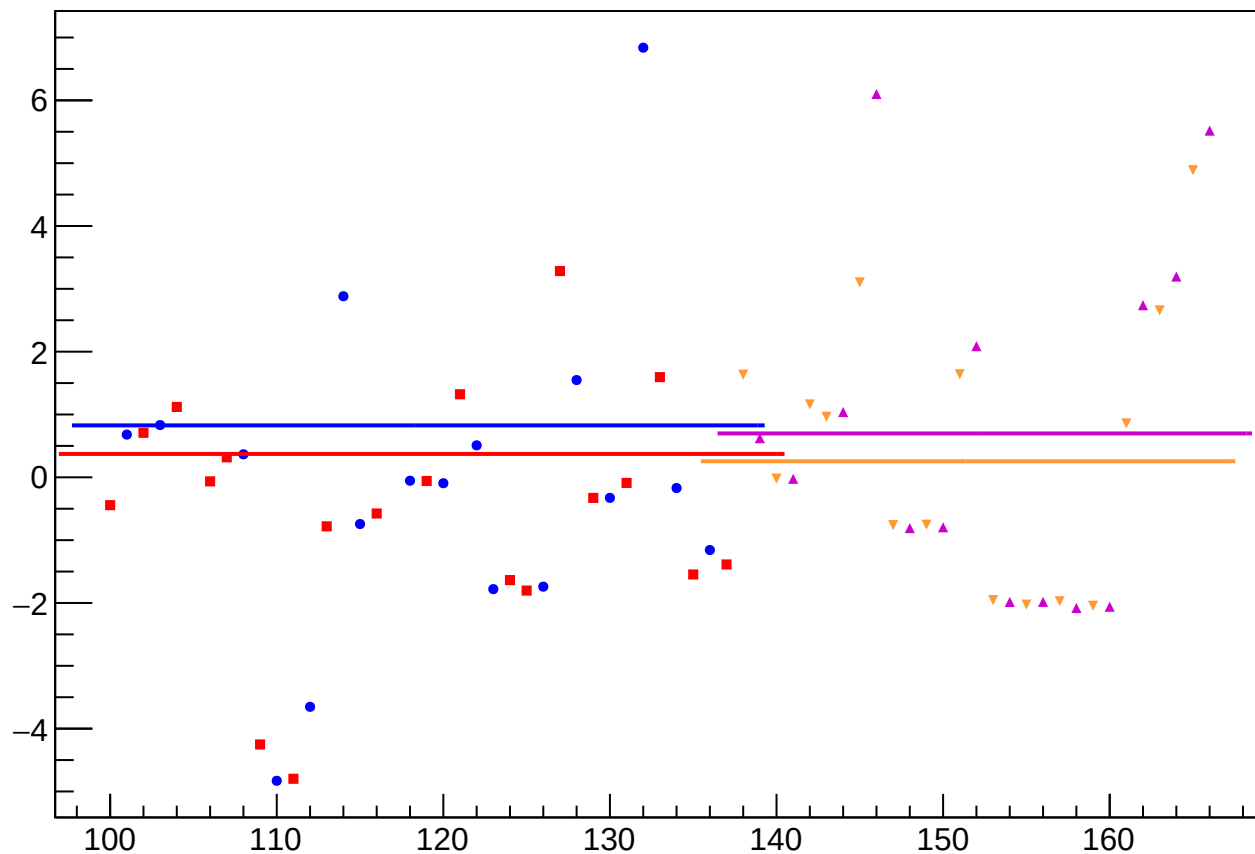
Left In: 0.016+/-0.000 χ^2/NDF : 2335509.2/13

+ sign 0.019+/-0.000 χ^2/NDF : 8124550.0/31

All: 0.019+/-0.000 χ^2/NDF : 16377456.1/64

- sign 0.018+/-0.000 χ^2/NDF : 8237174.6/32

yield_bpm1Y_mean vs Slug



Right In: 0.827+/-0.000 χ^2/NDF : 10936458870.4/16

Left Out: 0.256+/-0.000 χ^2/NDF : 230616525850.3/14

Right Out: 0.372+/-0.000 χ^2/NDF : 4972900338.2/18

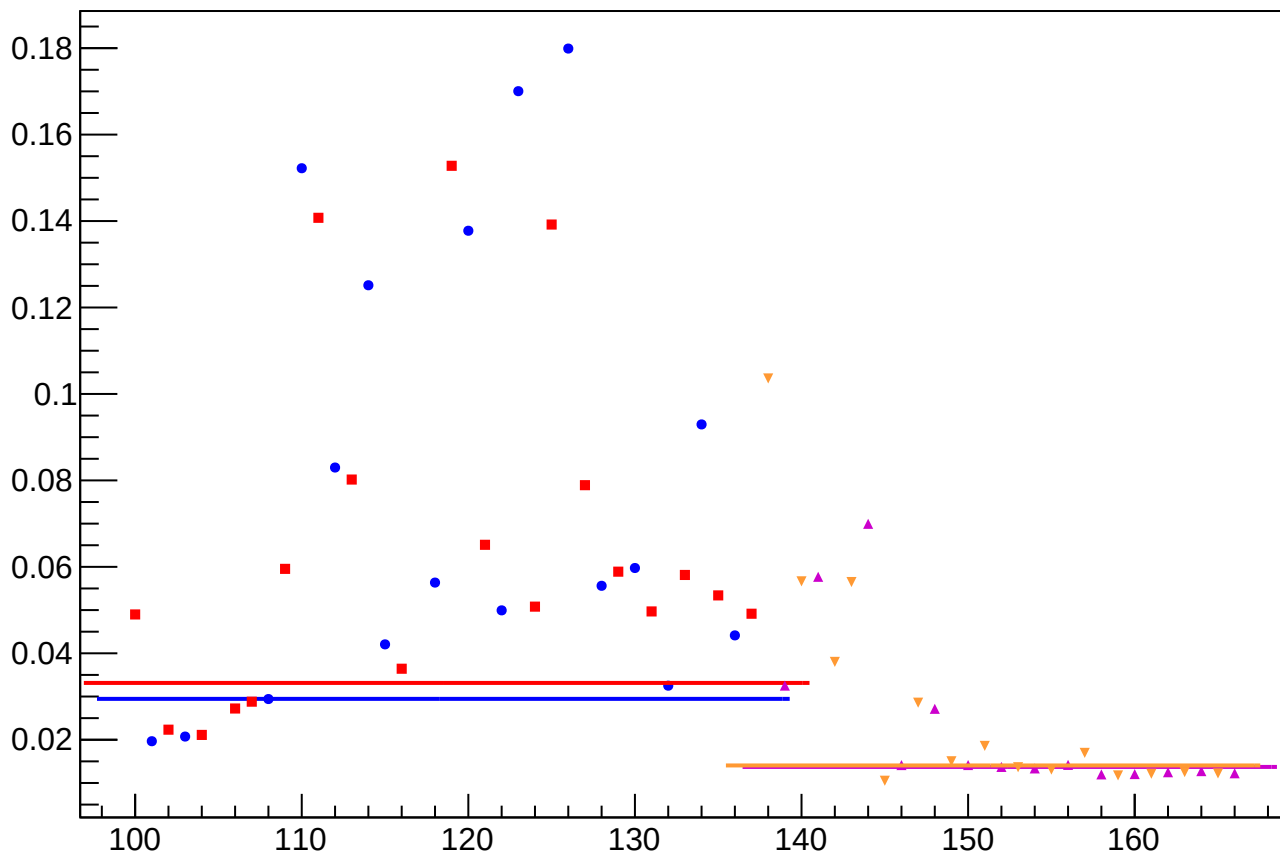
Left In: 0.698+/-0.000 χ^2/NDF : 391543373847.3/13

+ sign 0.306+/-0.000 χ^2/NDF : 242722698145.1/31

All: 0.498+/-0.000 χ^2/NDF : 642740142719.5

- sign 0.675+/-0.000 χ^2/NDF : 396861370631.4/32

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 :2813238.3/14

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

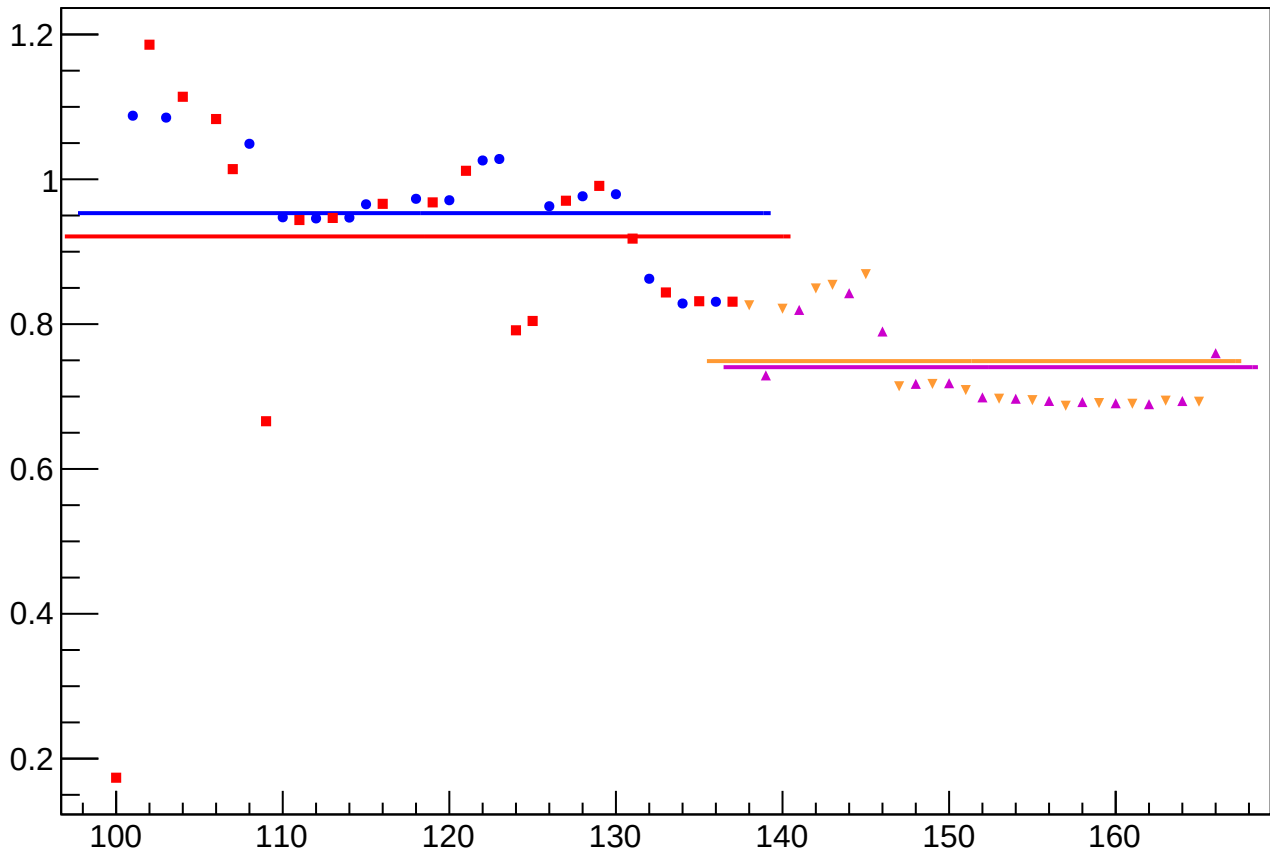
Left In: 0.014+/-0.000 χ^2/NDF :1860952.7/13

+ sign 0.015+/-0.000 χ^2/NDF : 7569714.7/31

All: 0.015+/-0.000 χ^2/NDF : 14981963.4/64

- sign 0.015+/-0.000 χ^2/NDF : 7408322.1/32

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.749 $\pm$ 0.000 χ^2 /NDF: 258053362.7/14

+ sign 0.823 $\pm$ 0.000 χ^2 /NDF: 1258095014.1/31

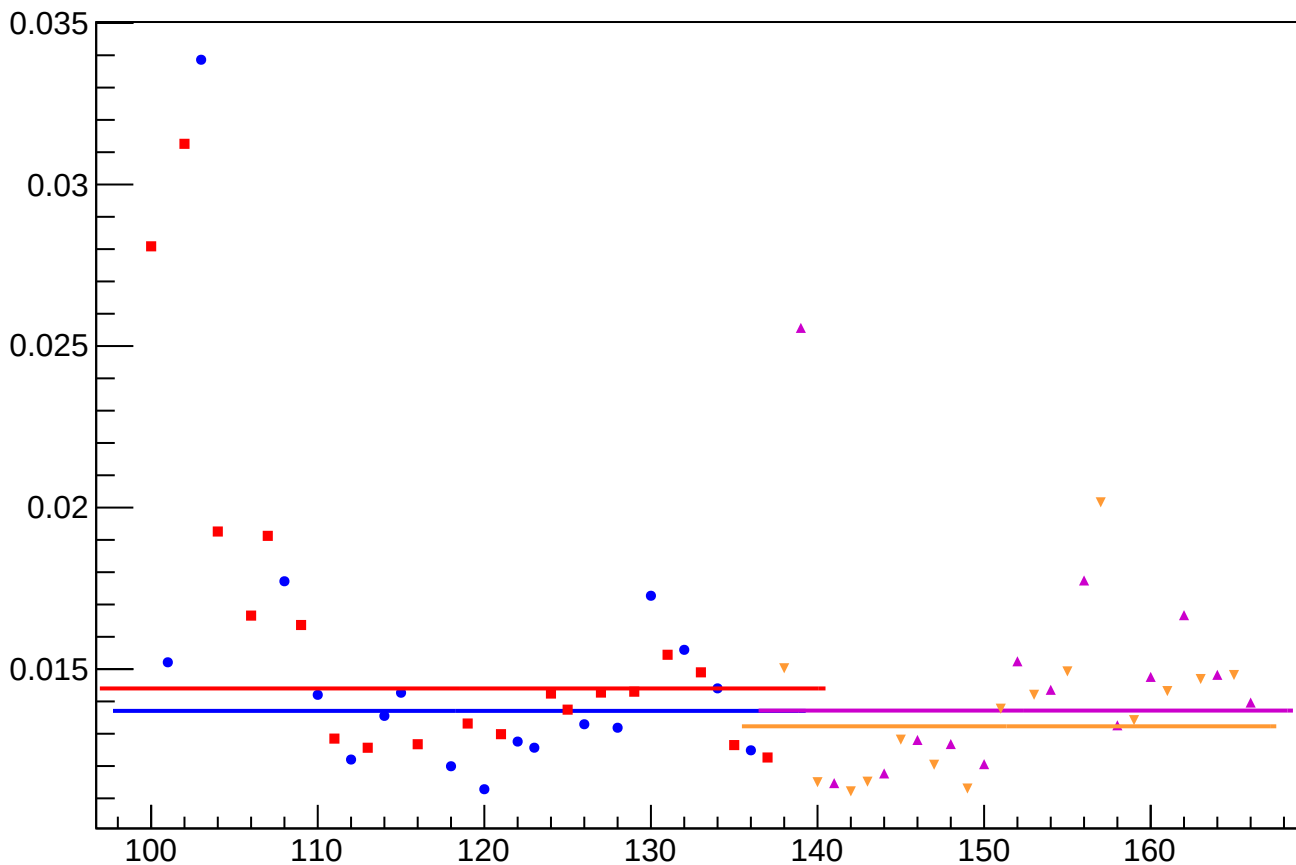
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374221279.1/18

All: 0.815 $\pm$ 0.000 χ^2 /NDF: 240445357.0/64

Left In: 0.741 $\pm$ 0.000 χ^2 /NDF: 155814096.9/13

- sign 0.807 $\pm$ 0.000 χ^2 /NDF: 1135677857.4/32

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: 354349.2/14

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

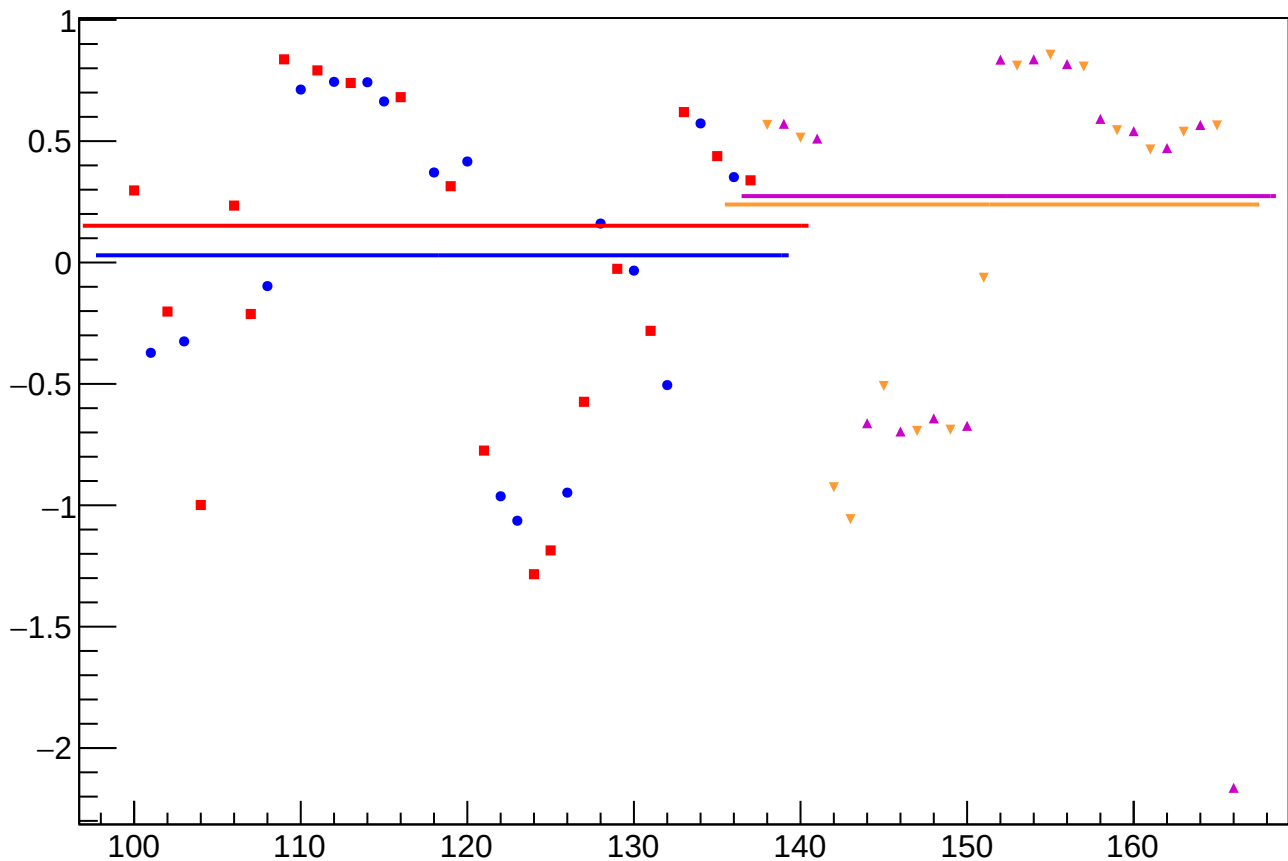
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 573018.9/13

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 909675.4/31

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2028325.1/64

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1092203.4/32

yield_bpm11Y_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.239 $\pm$ 0.000 χ^2 /NDF: 24266911057.7/14

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12661812059.7/18

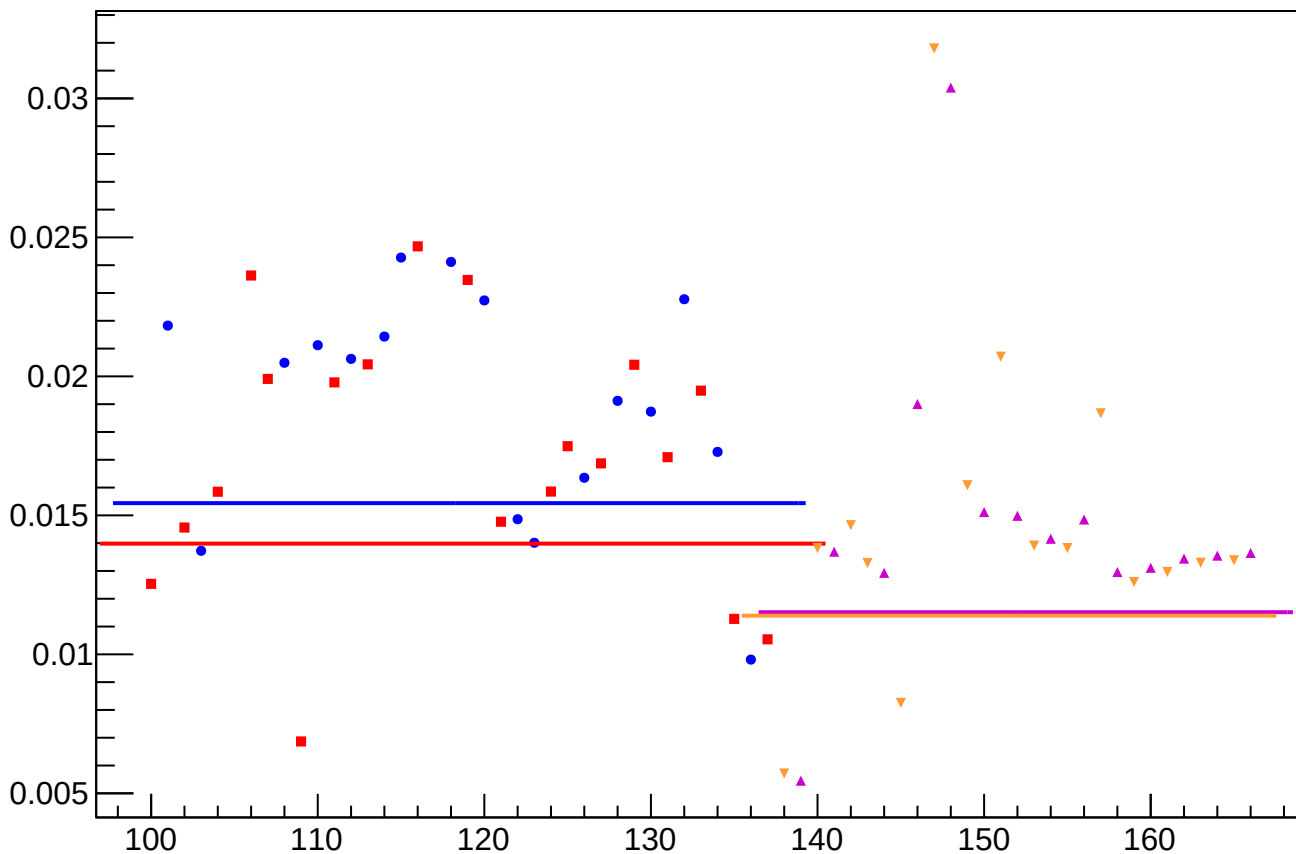
Left In: 0.273 $\pm$ 0.000 χ^2 /NDF: 34290772031.3/13

+ sign 0.185 $\pm$ 0.000 χ^2 /NDF: 31335310811.3/31

All: 0.212 $\pm$ 0.000 χ^2 /NDF: 78712882132.6/6

- sign 0.237 $\pm$ 0.000 χ^2 /NDF: 47251573361.4/32

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 : 2900951.2/14

Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

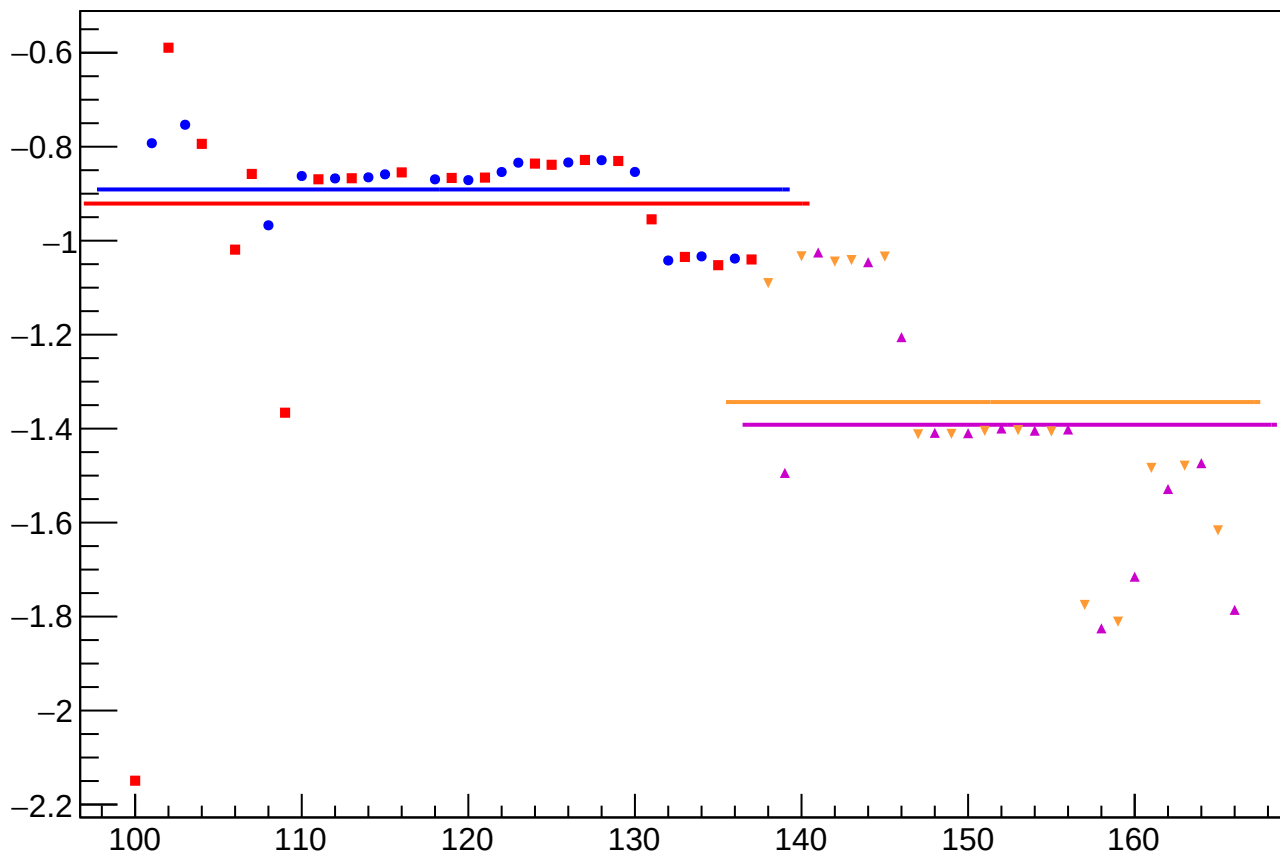
Left In: 0.012+/-0.000 χ^2/NDF : 2863927.7/13

+ sign 0.012+/-0.000 χ^2/NDF : 4641511.9/31

All: 0.012+/-0.000 χ^2/NDF : 9313823.3/64

- sign 0.012+/-0.000 χ^2/NDF : 4669409.1/32

yield_bpm12X_mean vs Slug



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.343+/-0.000 χ^2/NDF : 489115225.1/14

Right Out: -0.921+/-0.000 χ^2/NDF : 131183059.9/18

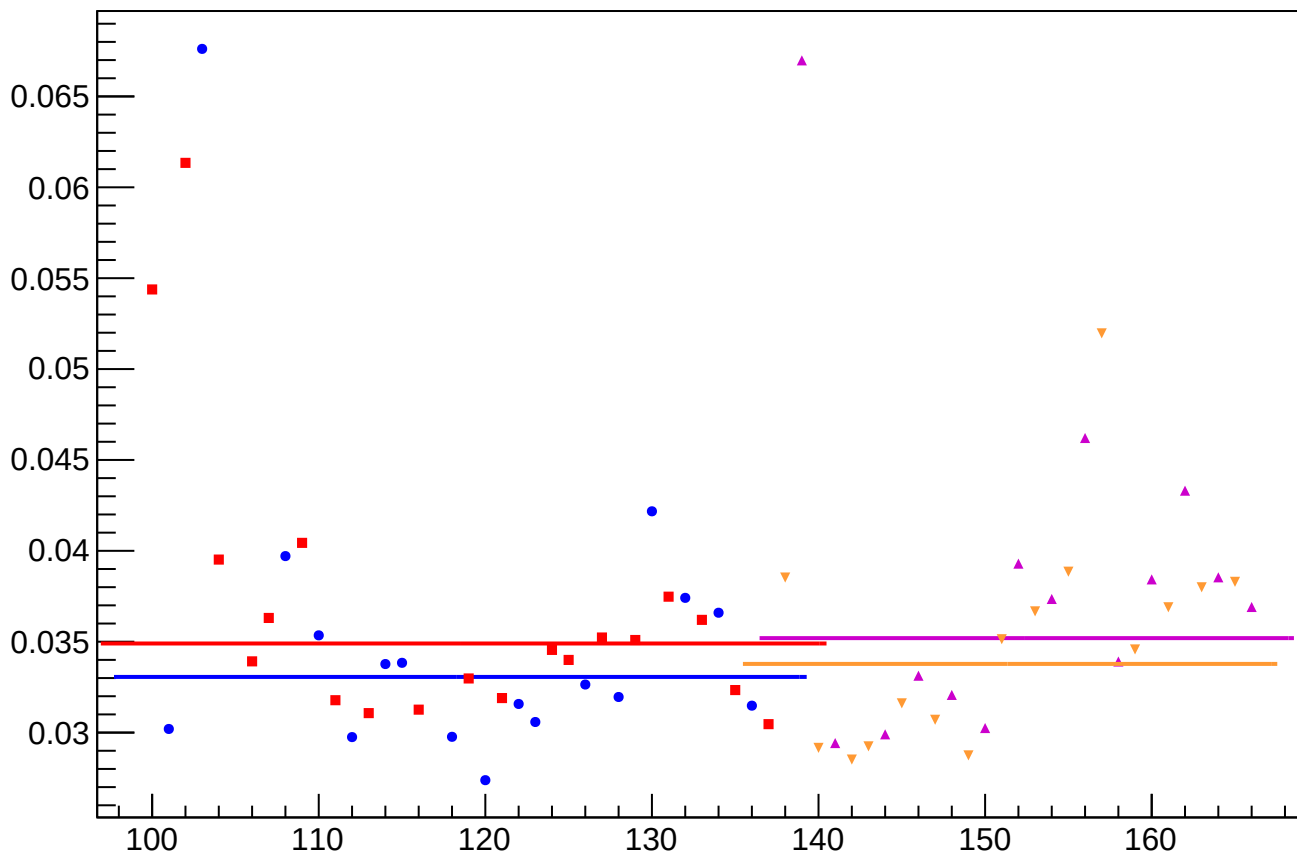
Left In: -1.392+/-0.000 χ^2/NDF : 471028911.6/13

+ sign -1.166+/-0.000 χ^2/NDF : 1196068089.9/31

All: -1.184+/-0.000 χ^2/NDF : 2481336982.9/6

- sign -1.204+/-0.000 χ^2/NDF : 1275535082.8/32

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 : 387578.2/14

Right Out: 0.035 $\pm$ 0.000 χ^2/NDF : 274270.8/18

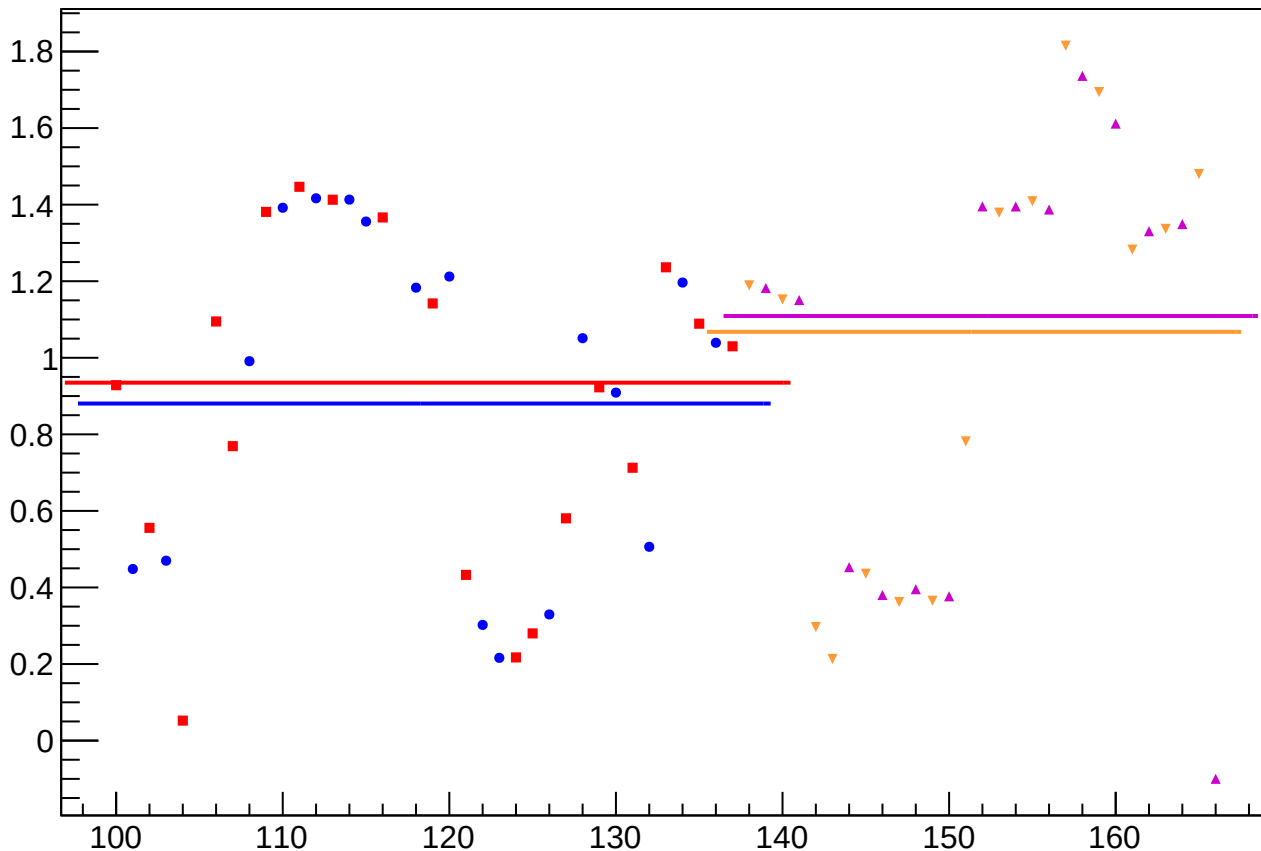
Left In: 0.035 $\pm$ 0.000 χ^2/NDF : 628743.4/13

+ sign 0.033 $\pm$ 0.000 χ^2/NDF : 800206.8/31

All: 0.034 $\pm$ 0.000 χ^2/NDF : 1736682.4/64

- sign 0.035 $\pm$ 0.000 χ^2/NDF : 903543.0/32

yield_bpm12Y_mean vs Slug



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 1.068 $\pm$ 0.000 χ^2 /NDF: 30686810479.3/14

Right Out: 0.935 $\pm$ 0.000 χ^2 /NDF: 9833525935.6/18

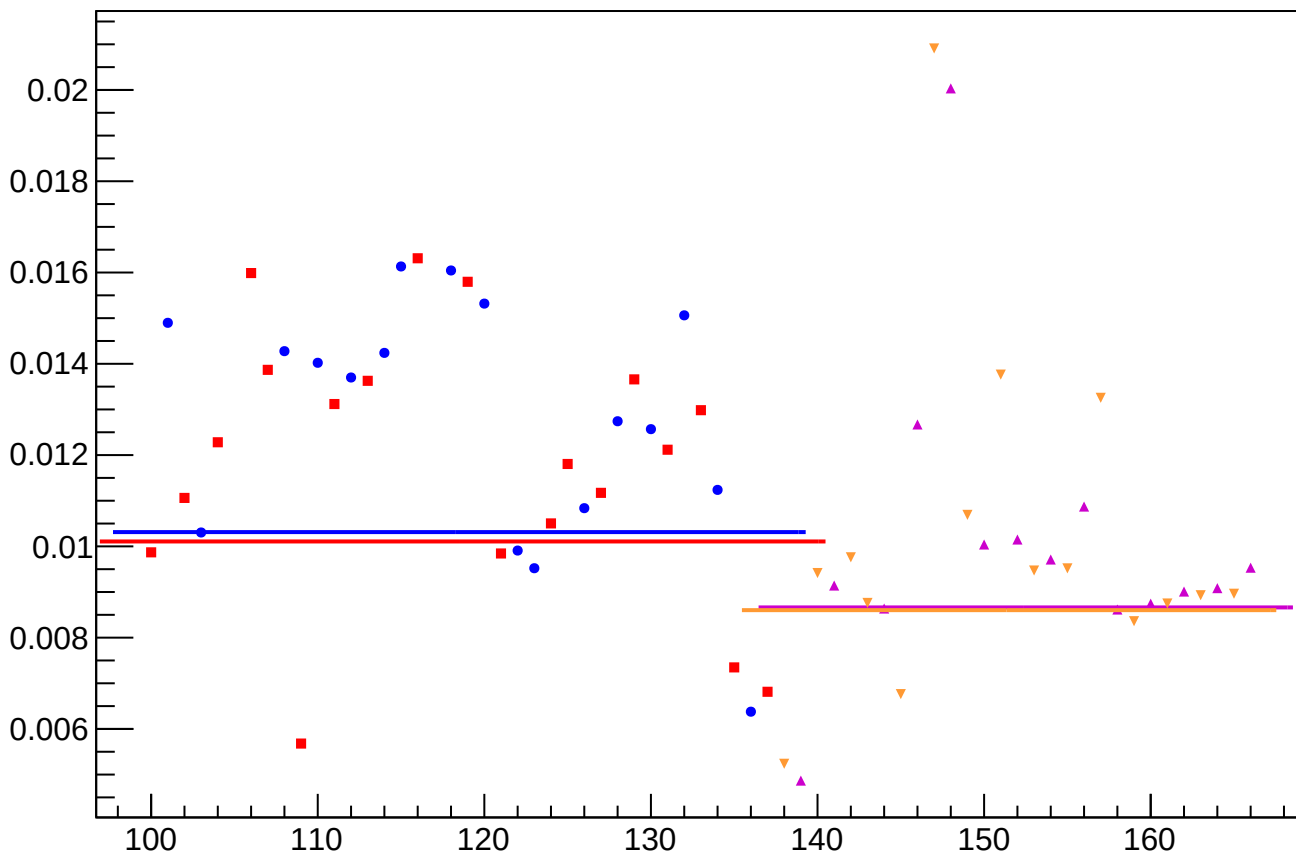
Left In: 1.109 $\pm$ 0.000 χ^2 /NDF: 30161396477.5/13

+ sign 1.014 $\pm$ 0.000 χ^2 /NDF: 38406808243.6/31

All: 1.035 $\pm$ 0.000 χ^2 /NDF: 79755390340.4/6

- sign 1.055 $\pm$ 0.000 χ^2 /NDF: 41191934386.4/32

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:1657610.0/14

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

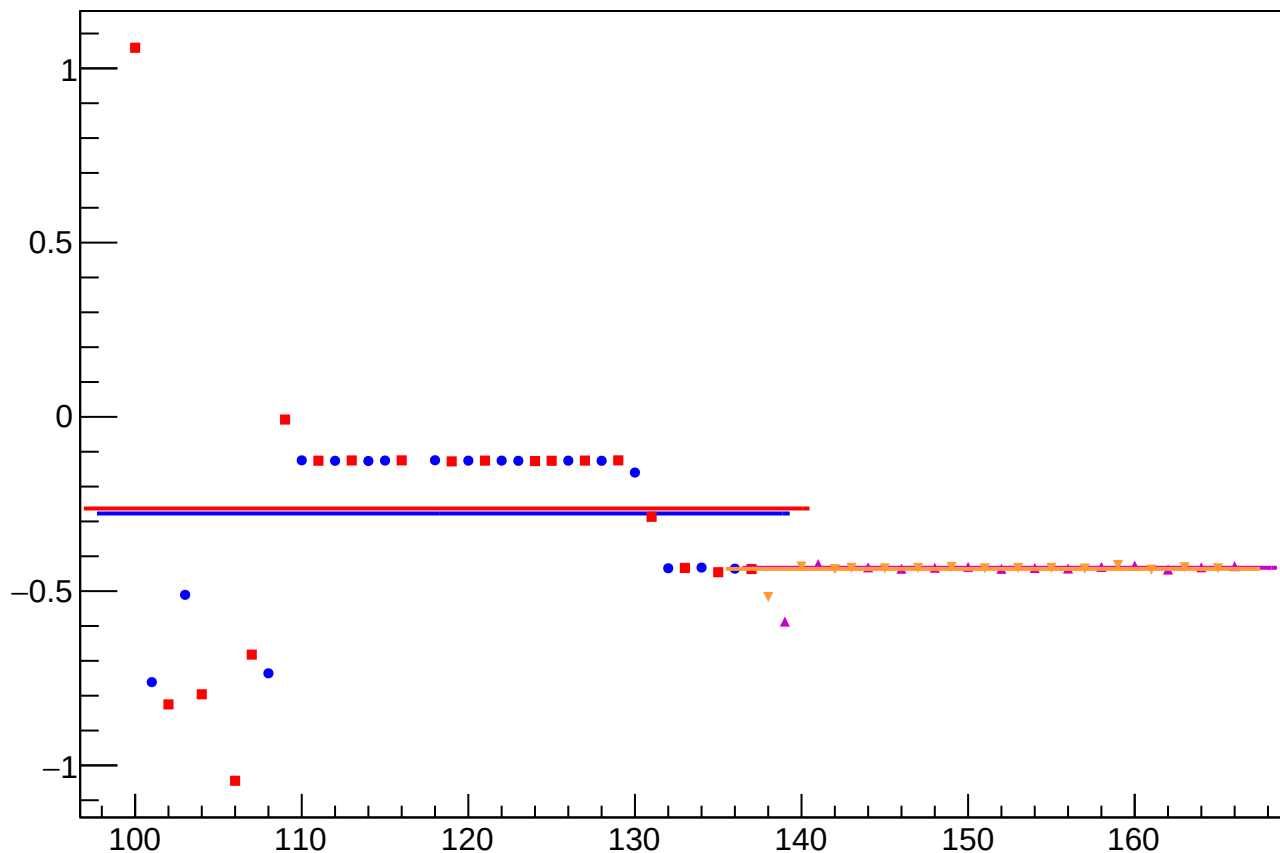
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1568855.6/13

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3108904.7/31

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6021224.1/64

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2912266.8/32

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 : 25615265.4/14

Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

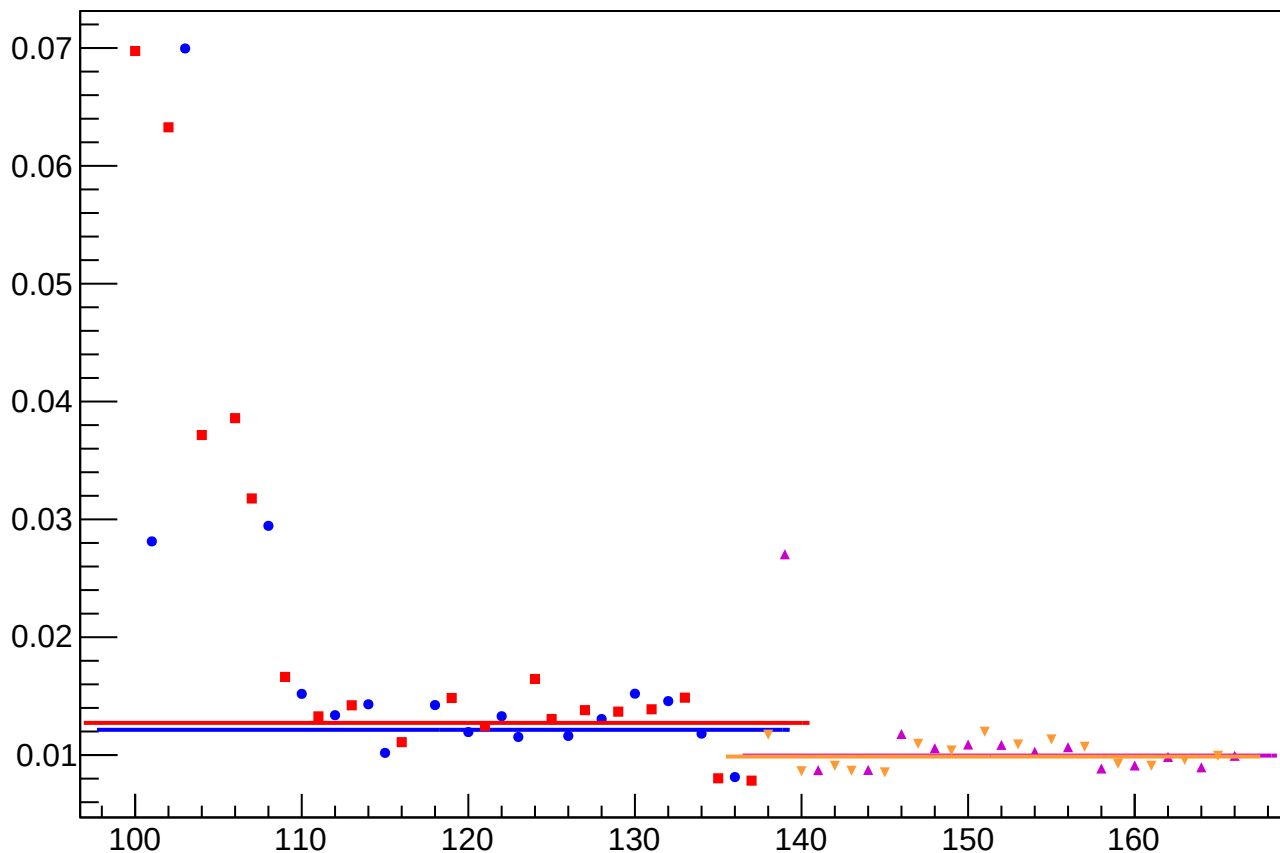
Left In: -0.433 ± 0.000 χ^2/NDF : 23478504.7/13

+ sign -0.396 ± 0.000 χ^2/NDF : 1569144187.6/31

All: -0.393 ± 0.000 χ^2/NDF : 3252519653.2/6

- sign -0.391 ± 0.000 χ^2/NDF : 1681740857.6/32

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 : 224092.3/14

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1969165.0/18

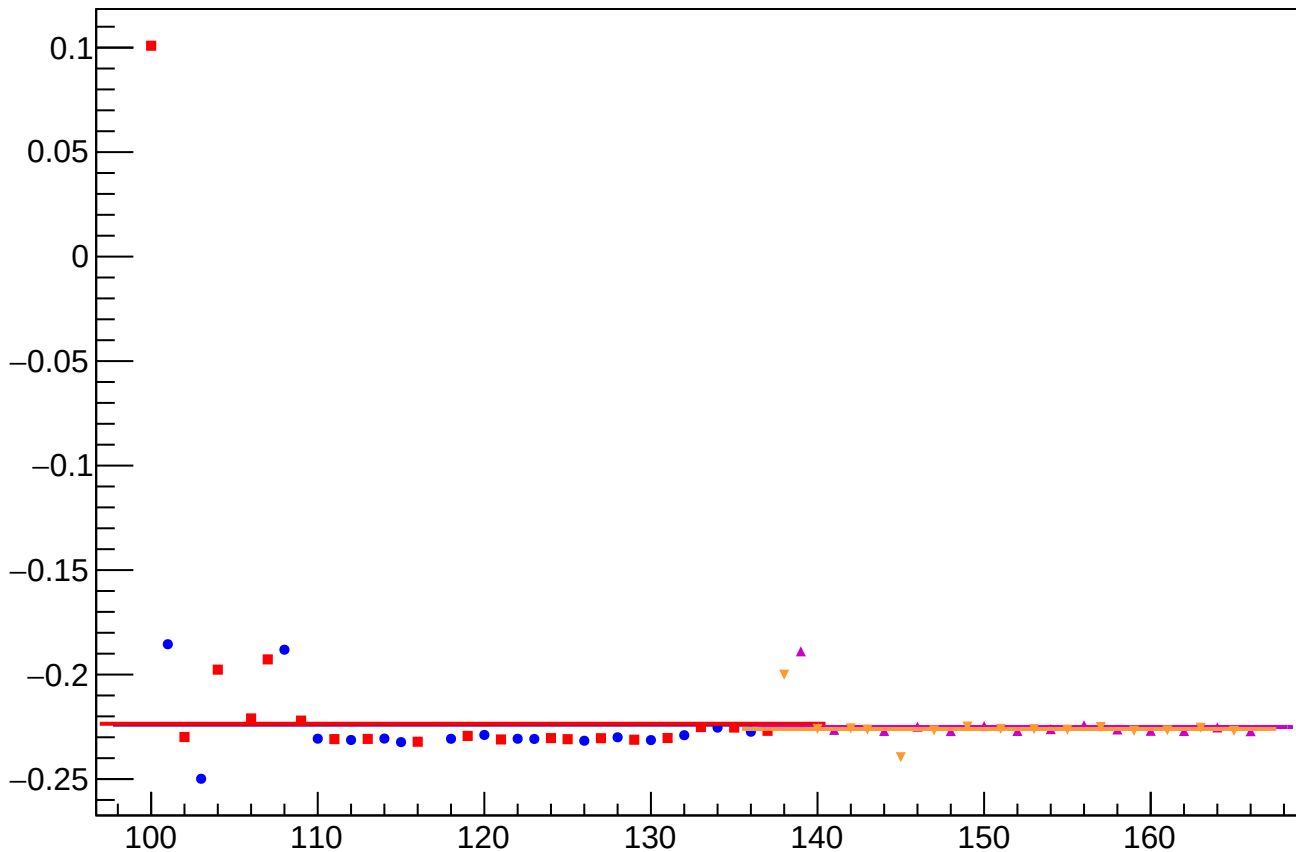
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 693889.2/13

+ sign 0.010 $\pm$ 0.000 χ^2/NDF : 2197464.1/31

All: 0.011 $\pm$ 0.000 χ^2/NDF : 5211005.8/64

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 3008816.0/32

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 : 20599714.8/14

Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

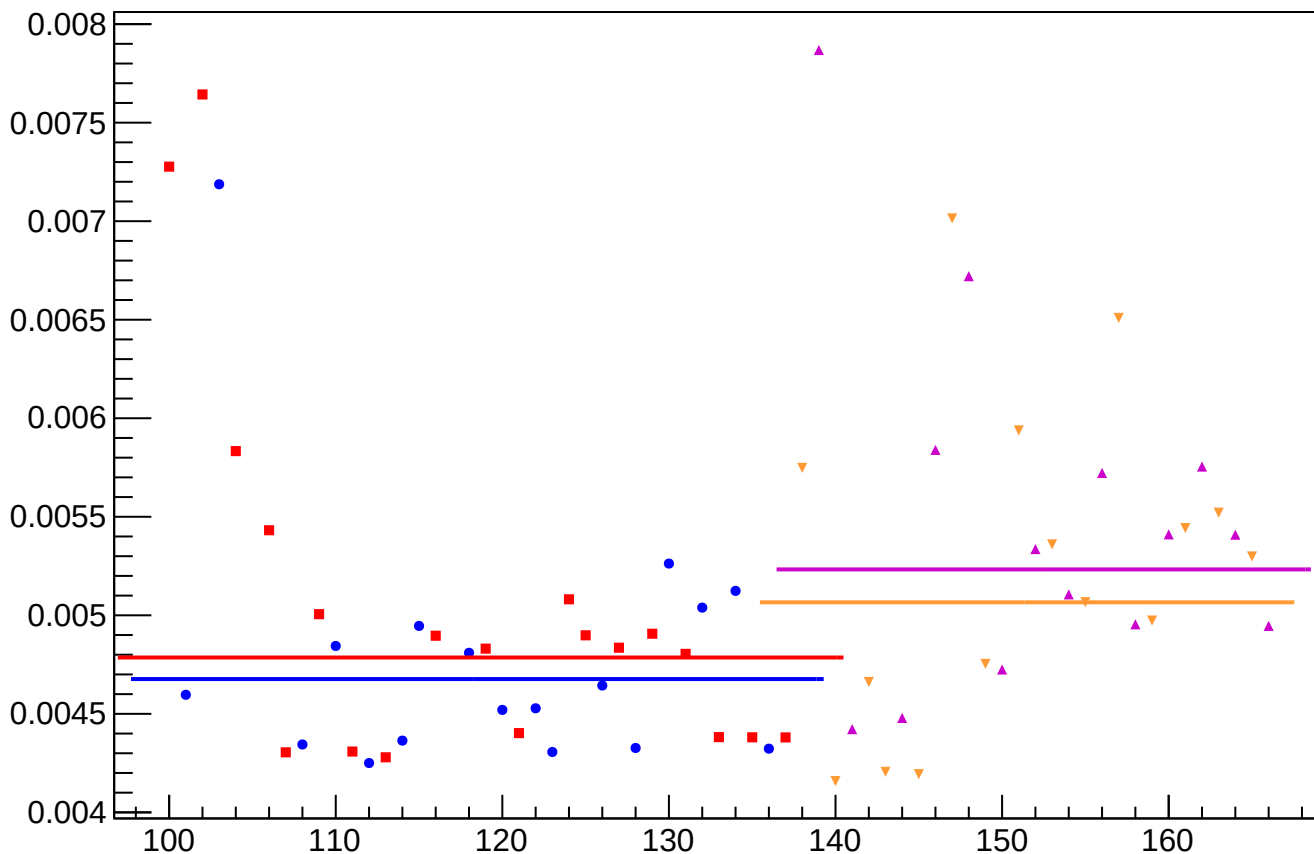
Left In: -0.225+/-0.000 χ^2/NDF : 14336533.3/13

+ sign -0.225+/-0.000 χ^2/NDF : 96015570.5/31

All: -0.225+/-0.000 χ^2/NDF : 279046675.2/64

- sign -0.224+/-0.000 χ^2/NDF : 182846132.1/32

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 : 447511.3/14

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

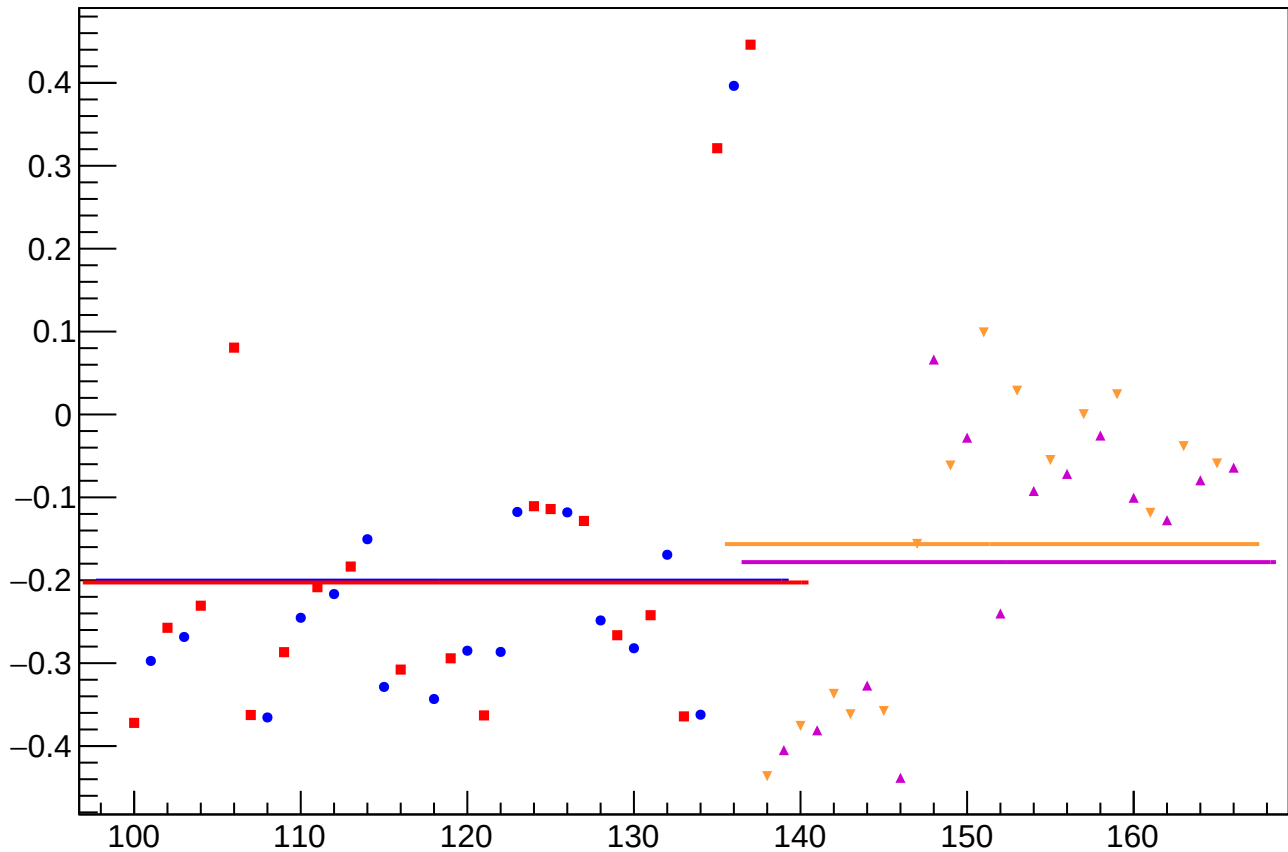
Left In: 0.005+/-0.000 χ^2/NDF : 386087.7/13

+ sign 0.005+/-0.000 χ^2/NDF : 678225.1/31

All: 0.005+/-0.000 χ^2/NDF : 1387881.3/64

- sign 0.005+/-0.000 χ^2/NDF : 697791.7/32

yield_bpm0i02X_mean vs Slug



Right In: -0.200+/-0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.156+/-0.000 χ^2/NDF : 11008403141.9/14

Right Out: -0.203+/-0.000 χ^2/NDF : 5028268807.1/18

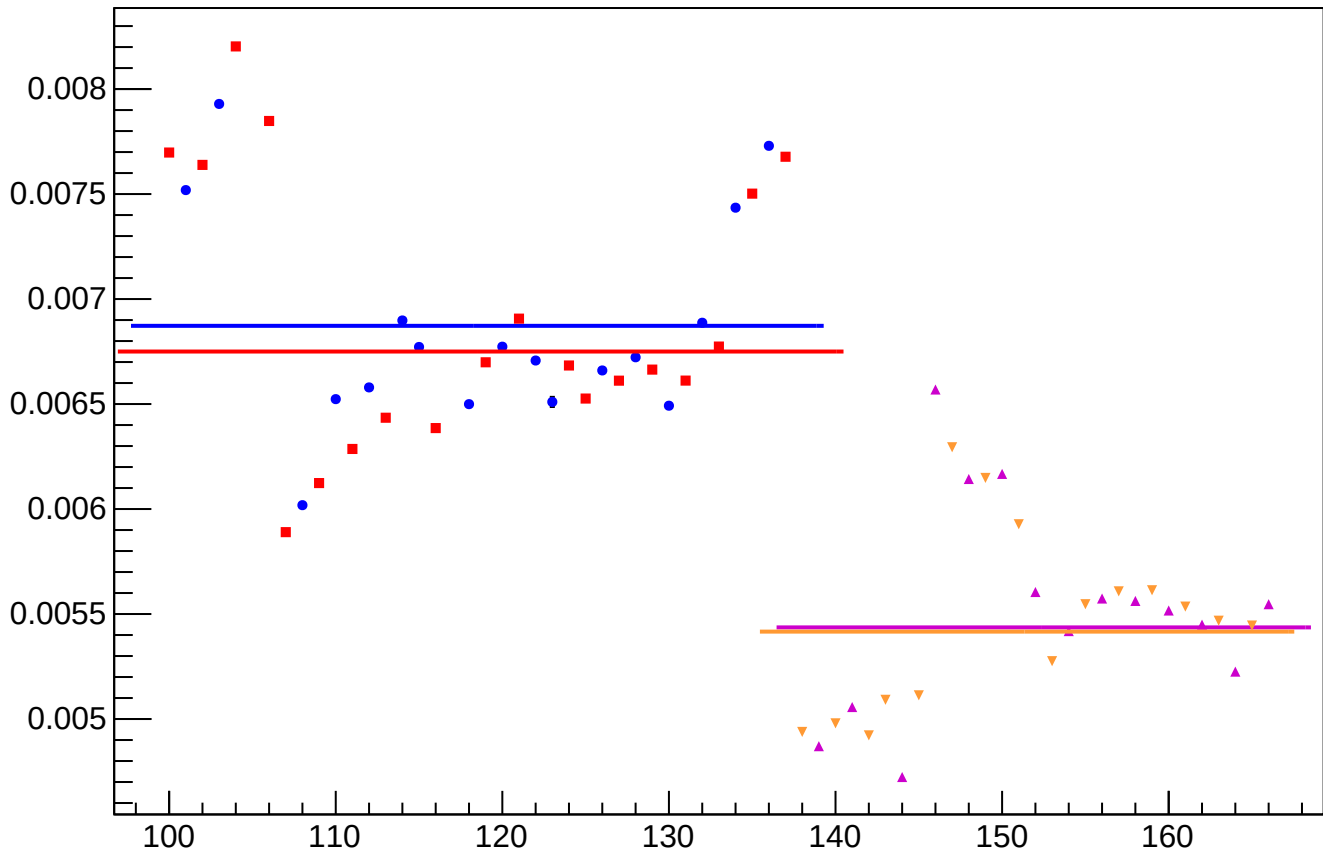
Left In: -0.178+/-0.000 χ^2/NDF : 7883772801.6/13

+ sign -0.169+/-0.000 χ^2/NDF : 17175342290.3/31

All: -0.177+/-0.000 χ^2/NDF : 30219655188.2/32

- sign -0.186+/-0.000 χ^2/NDF : 12974917039.4/32

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 : 105569.2/14

Right Out: 0.007+/-0.000 χ^2/NDF : 105124.4/18

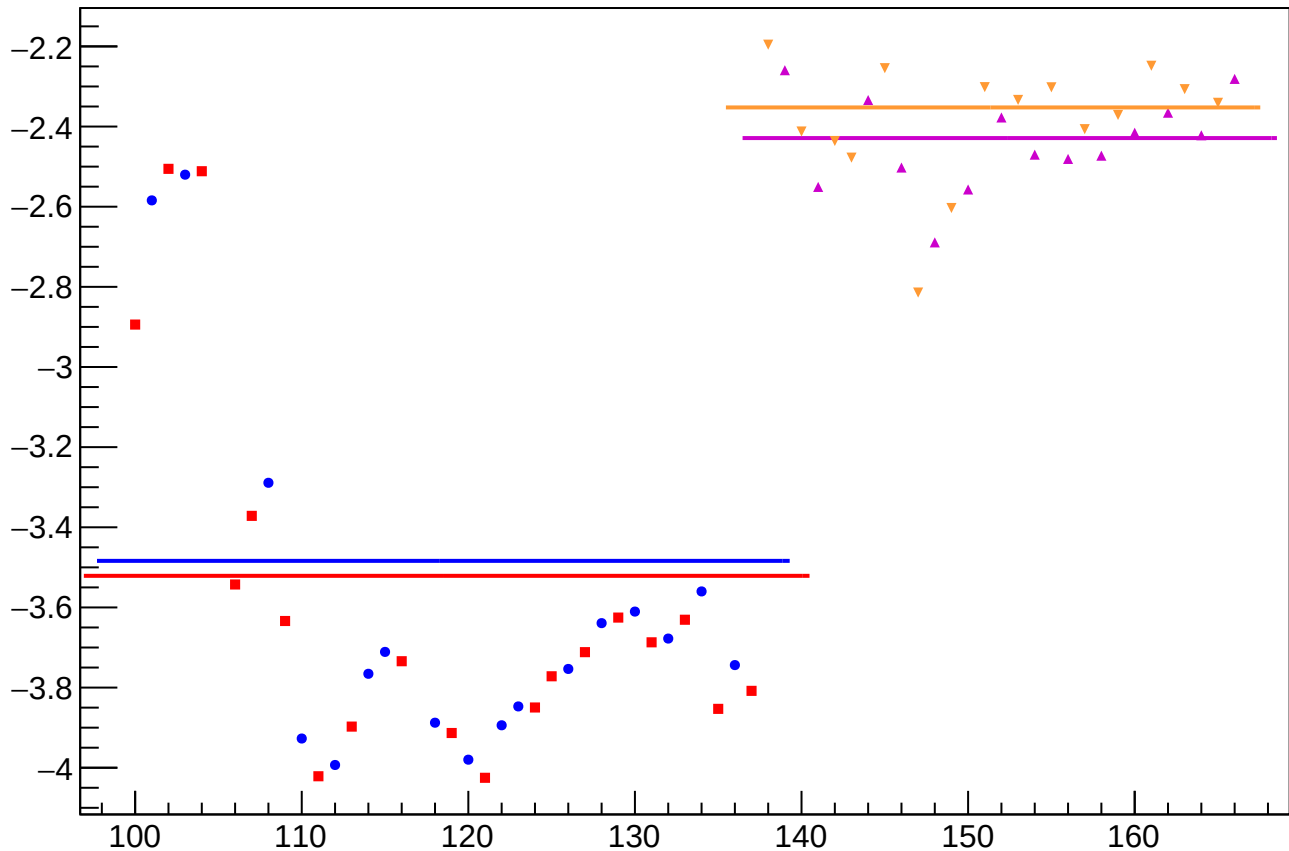
Left In: 0.005+/-0.000 χ^2/NDF : 146204.1/13

+ sign 0.006+/-0.000 χ^2/NDF : 606532.0/31

All: 0.006+/-0.000 χ^2/NDF : 1218488.7/64

- sign 0.006+/-0.000 χ^2/NDF : 611887.5/32

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.352+/-0.000 χ^2/NDF : 1653992234.3/14

Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

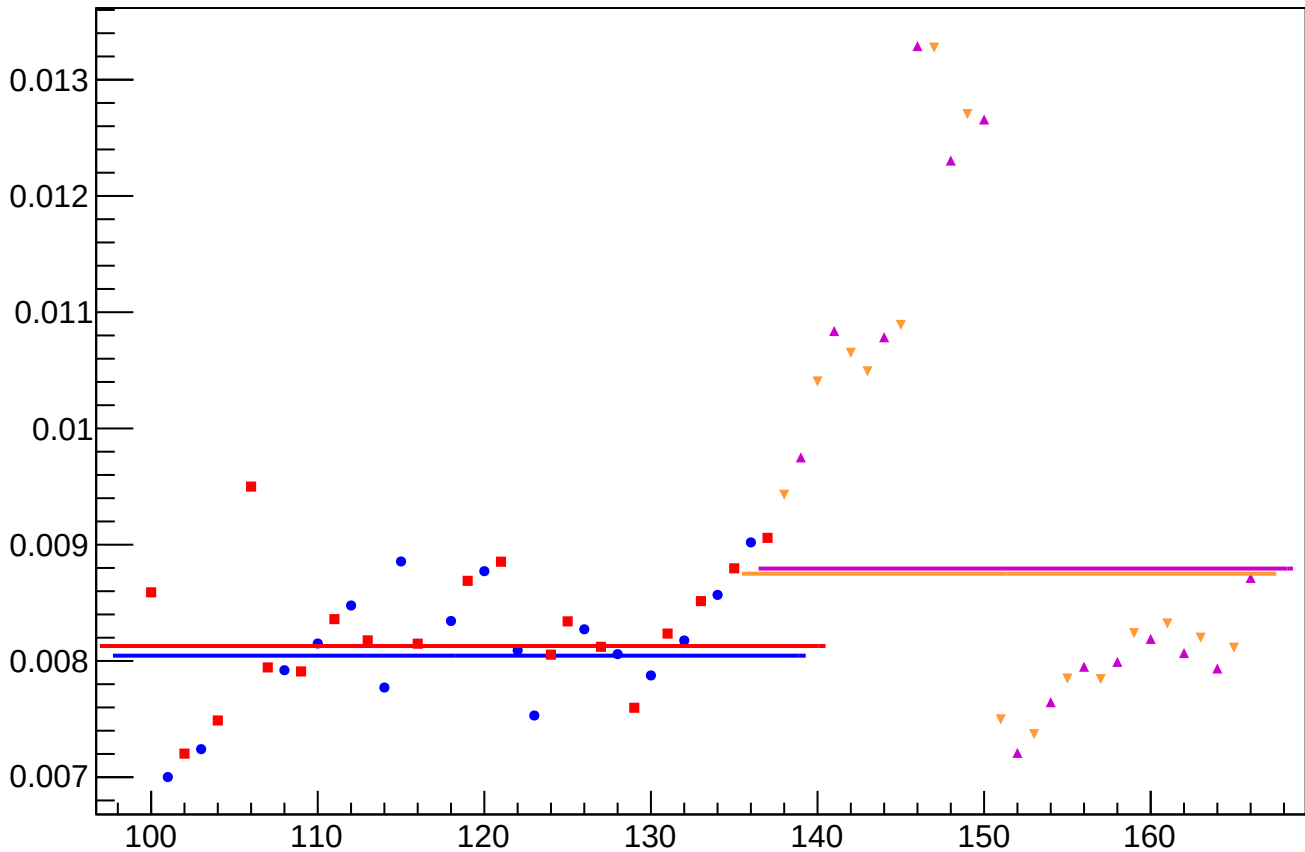
Left In: -2.429+/-0.000 χ^2/NDF : 1097305166.8/13

+ sign -2.842+/-0.000 χ^2/NDF : 101788900346.8/31

All: -2.879+/-0.000 χ^2/NDF : 197782574090.2

- sign -2.916+/-0.000 χ^2/NDF : 95374605355.5/32

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 : 589280.7/14

Right Out: 0.008+/-0.000 χ^2/NDF : 57478.2/18

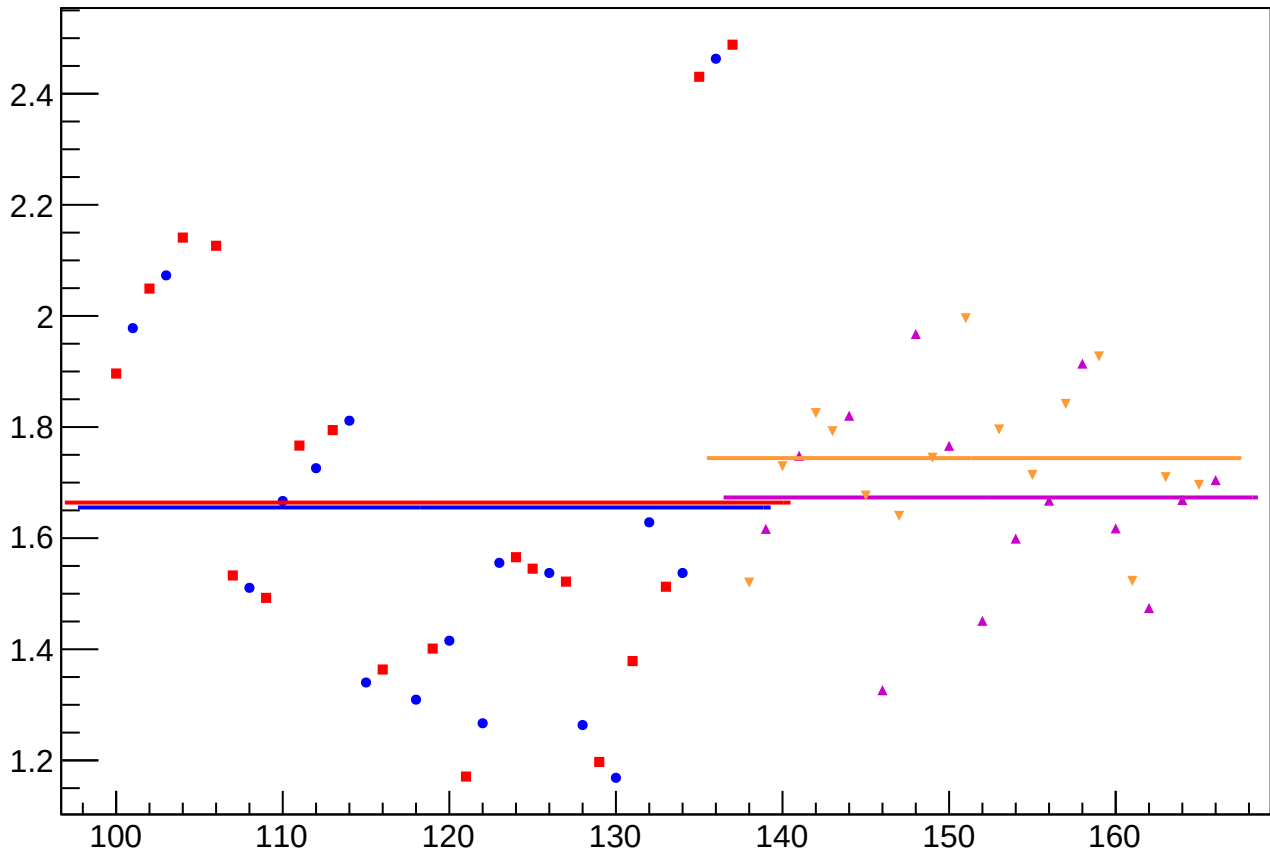
Left In: 0.009+/-0.000 χ^2/NDF : 698766.1/13

+ sign 0.008+/-0.000 χ^2/NDF : 717951.1/31

All: 0.008+/-0.000 χ^2/NDF : 1525238.6/64

- sign 0.008+/-0.000 χ^2/NDF : 806643.9/32

yield_bpm0i02aX_mean vs Slug



Right In: 1.655 ± 0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.744 ± 0.000 χ^2/NDF : 1516556018.0/14

Right Out: 1.664 ± 0.000 χ^2/NDF : 5944262279.7/18

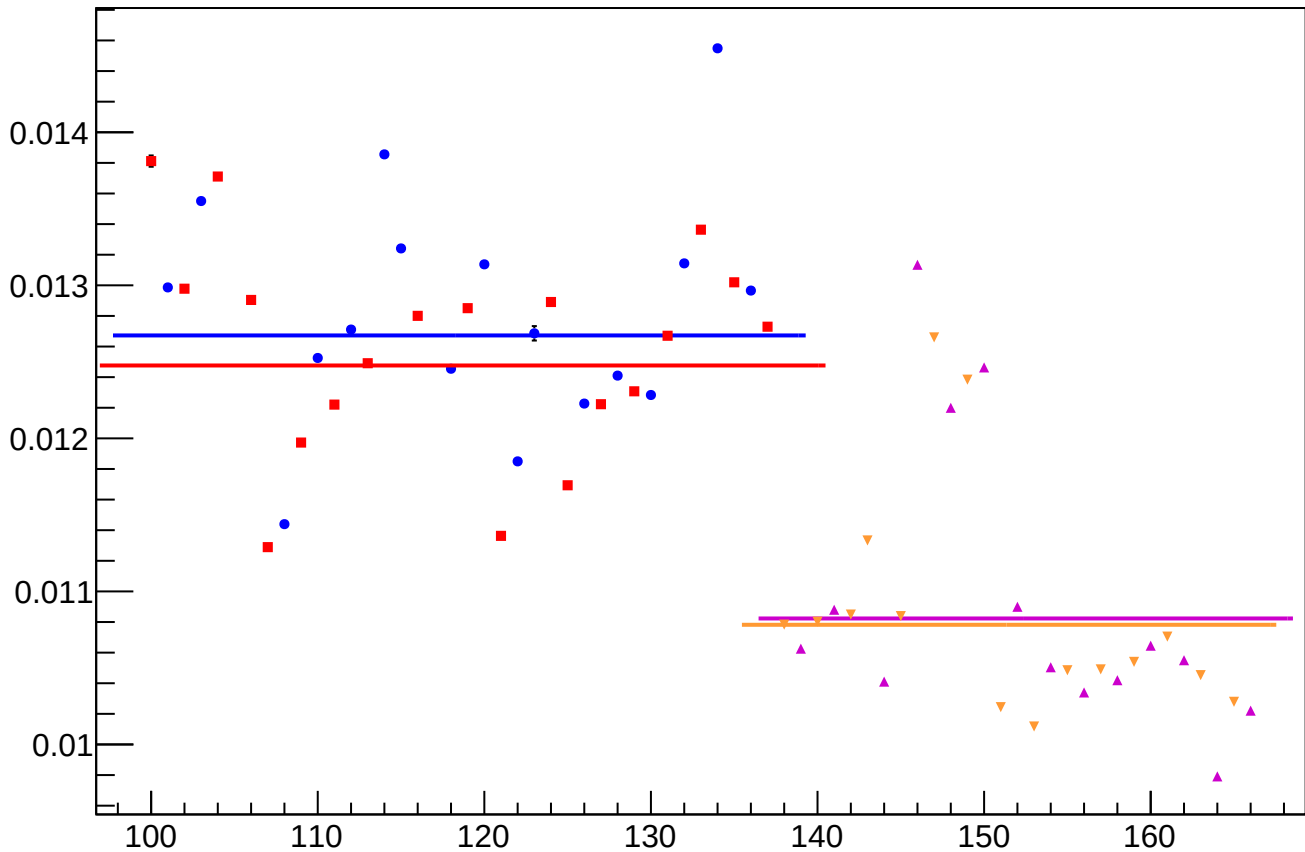
Left In: 1.673 ± 0.000 χ^2/NDF : 2247533421.8/13

+ sign 1.716 ± 0.000 χ^2/NDF : 8215001473.0/31

All: 1.693 ± 0.000 χ^2/NDF : 16549777698.8/6

- sign 1.670 ± 0.000 χ^2/NDF : 8194264908.1/32

yield_bpm0i02aX_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 31801.3/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 77465.1/14

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 39134.8/18

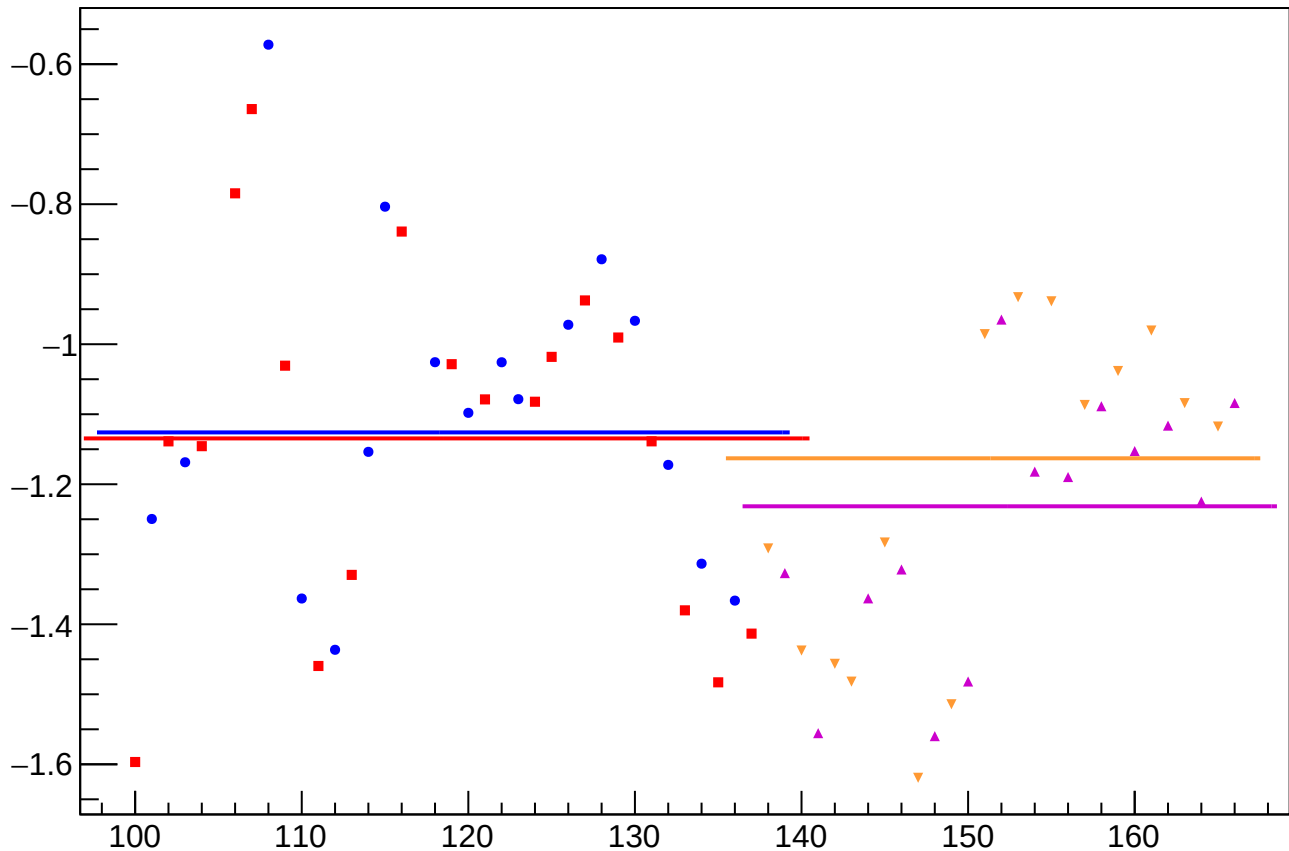
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 117182.6/13

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 310339.2/31

All: 0.011 $\pm$ 0.000 χ^2/NDF : 627093.6/64

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 316744.1/32

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.163+/-0.000 χ^2/NDF : 7045852664.0/14

Right Out: -1.135+/-0.000 χ^2/NDF : 3677461023.4/18

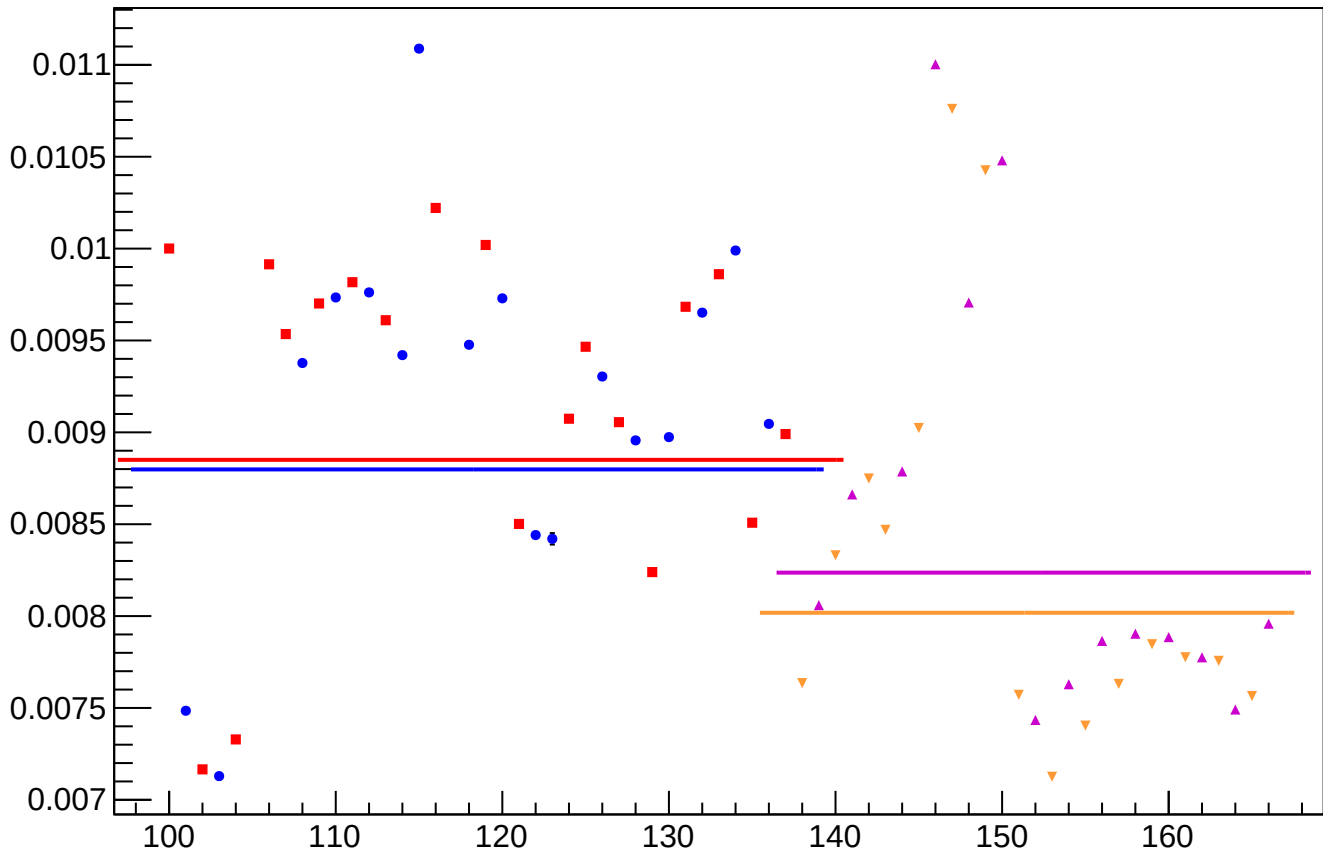
Left In: -1.231+/-0.000 χ^2/NDF : 4404389388.5/13

+ sign -1.150+/-0.000 χ^2/NDF : 10694530484.5/31

All: -1.173+/-0.000 χ^2/NDF : 19528262482.1/32

- sign -1.196+/-0.000 χ^2/NDF : 8585959157.7/32

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 :233966.7/14

Right Out: 0.009+/-0.000 χ^2/NDF : 173958.0/18

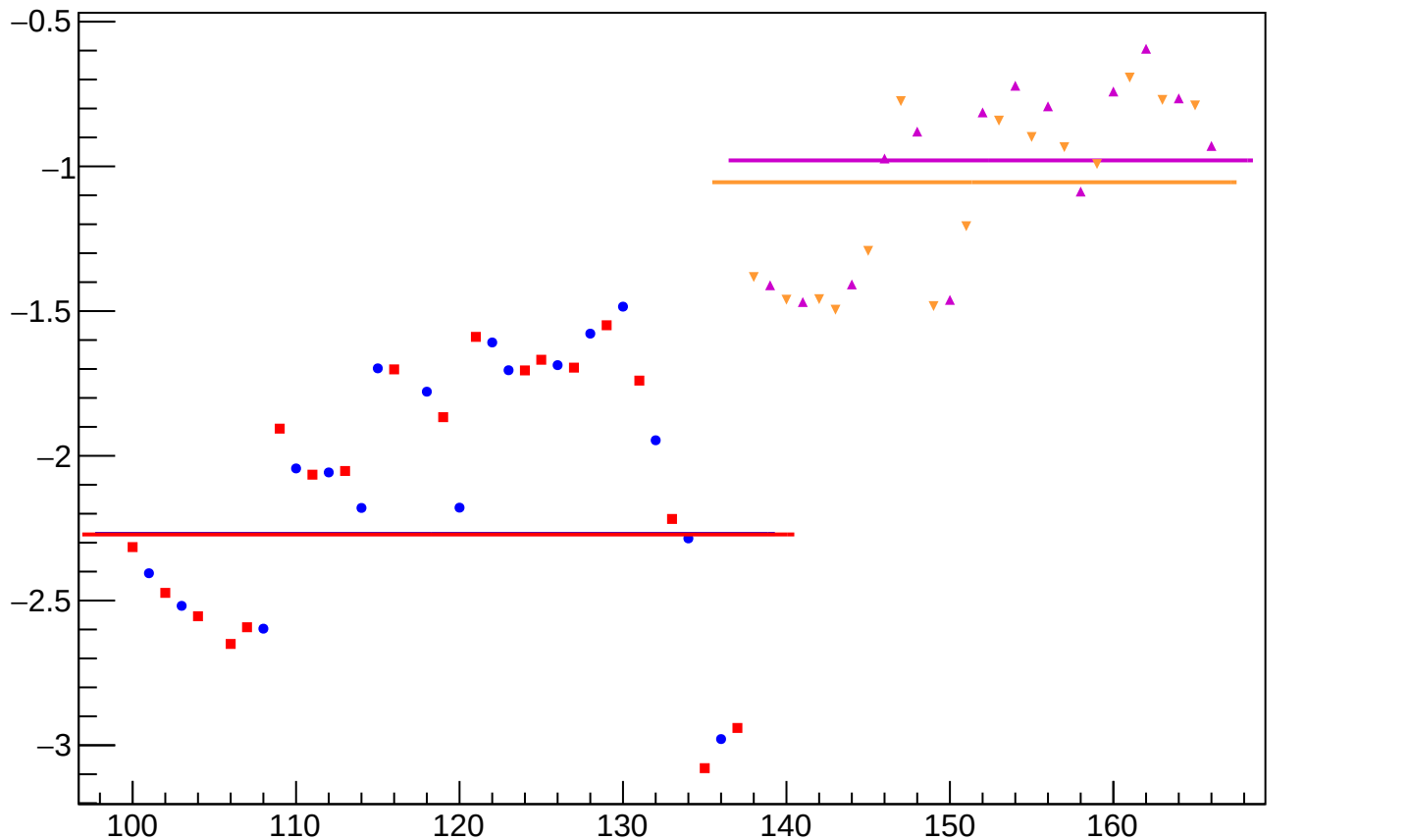
Left In: 0.008+/-0.000 χ^2/NDF :242655.6/13

+ sign 0.008+/-0.000 χ^2/NDF : 451277.7/31

All: 0.008+/-0.000 χ^2/NDF : 915413.3/64

- sign 0.008+/-0.000 χ^2/NDF : 457042.0/32

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.055+/-0.000 χ^2/NDF : 17341774983.6/14

Right Out: -2.272+/-0.000 χ^2/NDF : 19009331715.4/18

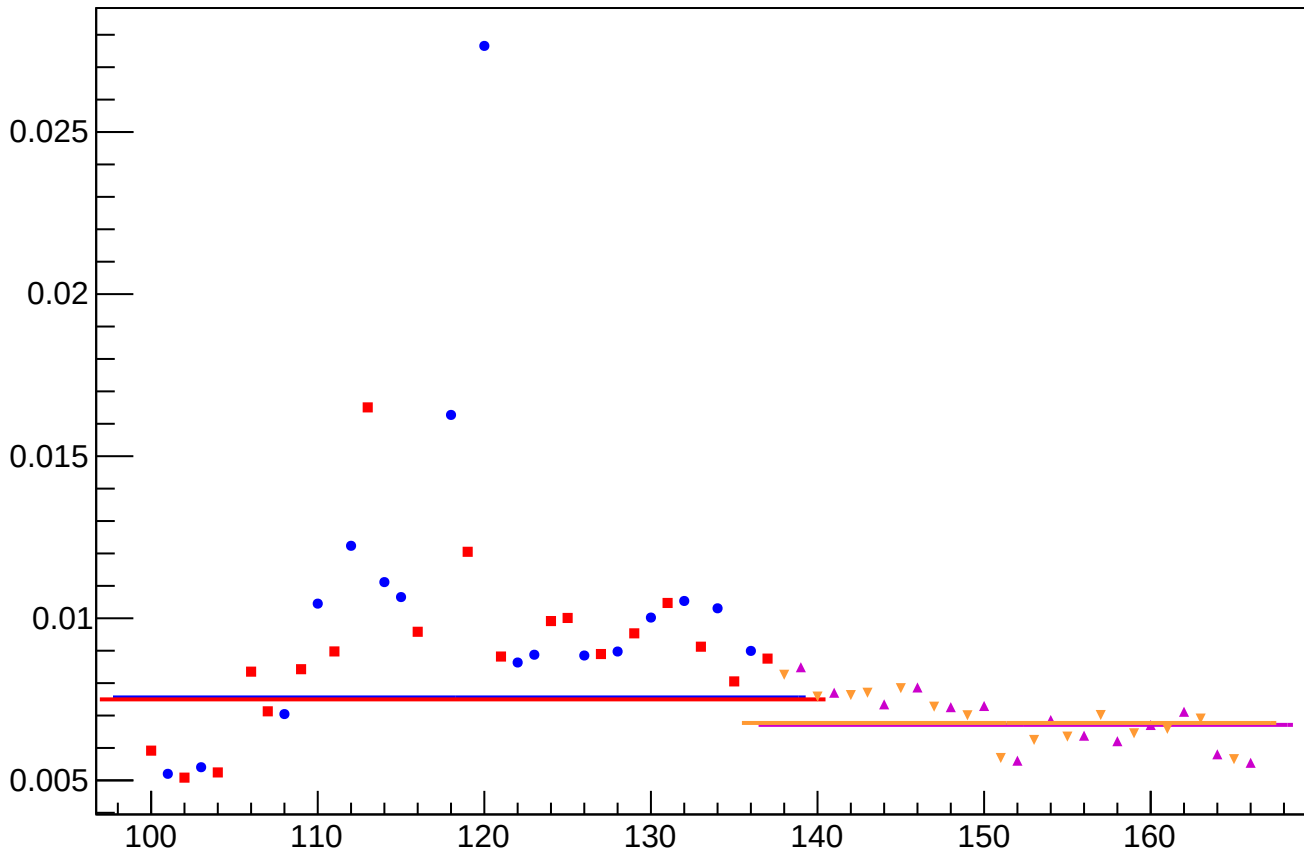
Left In: -0.979+/-0.000 χ^2/NDF : 17738407405.3/13

+ sign -1.405+/-0.000 χ^2/NDF : 127257427569.6/31

All: -1.394+/-0.000 χ^2/NDF : 278520394628.3

- sign -1.382+/-0.000 χ^2/NDF : 151180629853.6/32

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.007+/-0.000 χ^2/NDF :236993.4/14

Right Out: 0.007+/-0.000 χ^2/NDF : 933998.1/18

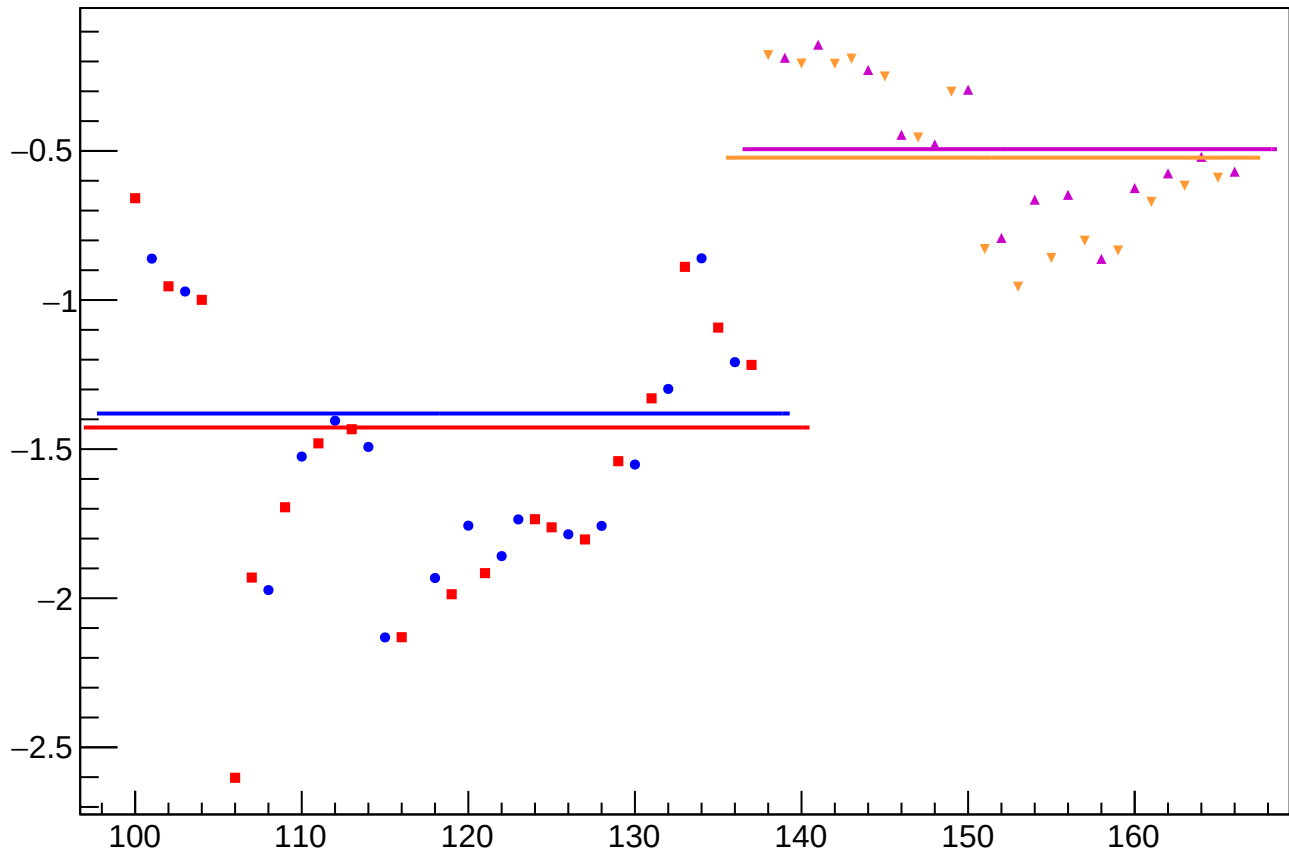
Left In: 0.007+/-0.000 χ^2/NDF :296635.1/13

+ sign 0.007+/-0.000 χ^2/NDF : 1535593.1/31

All: 0.007+/-0.000 χ^2/NDF : 2851495.2/64

- sign 0.007+/-0.000 χ^2/NDF : 1315376.0/32

yield_bpm0i05Y_mean vs Slug



Right In: -1.381 ± 0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.523 ± 0.000 χ^2/NDF : 44474646594.0/14

Right Out: -1.427 ± 0.000 χ^2/NDF : 29616178528.0/18

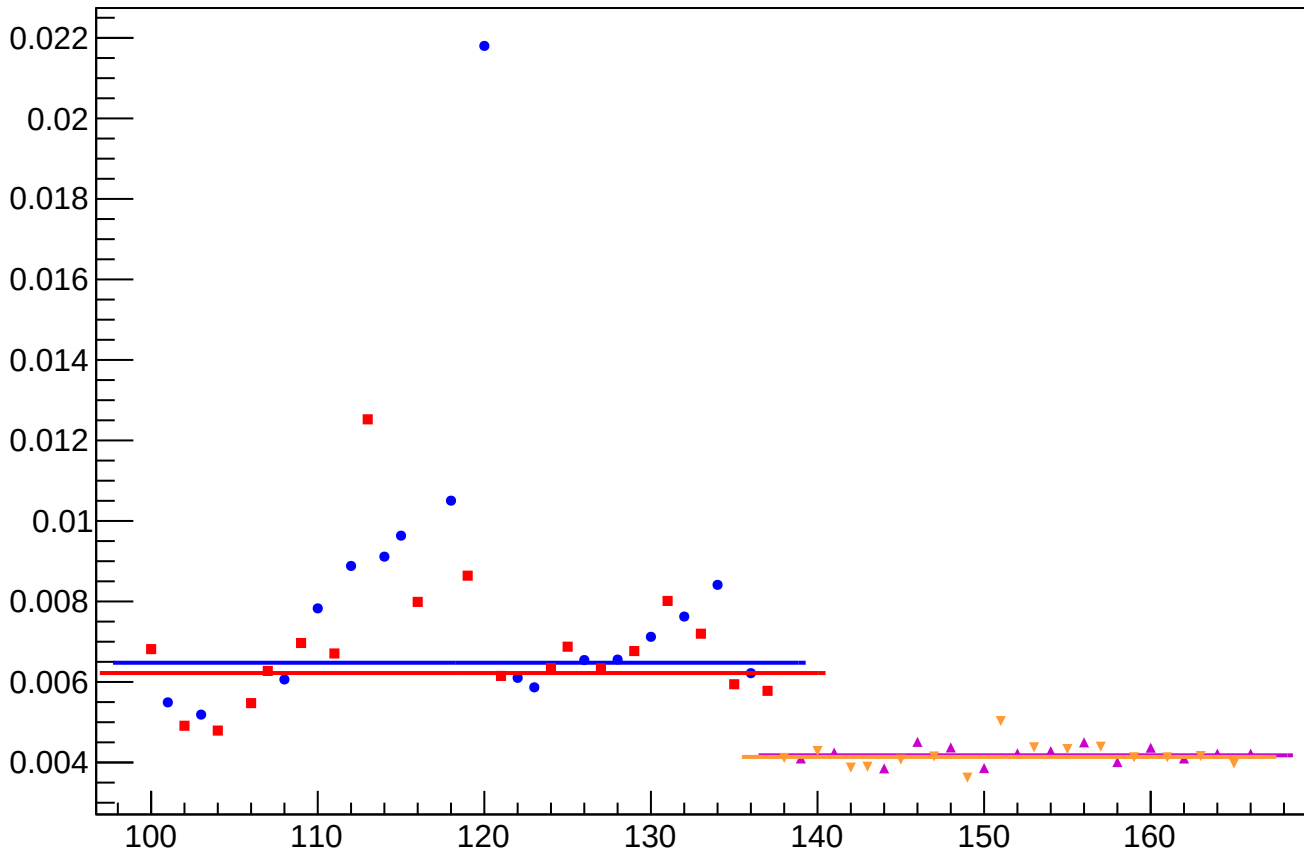
Left In: -0.494 ± 0.000 χ^2/NDF : 28221066371.1/13

+ sign -0.679 ± 0.000 χ^2/NDF : 142588486817.5/31

All: -0.686 ± 0.000 χ^2/NDF : 304717649924.1

- sign -0.692 ± 0.000 χ^2/NDF : 162069000295.2/32

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 : 89301.2/14

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

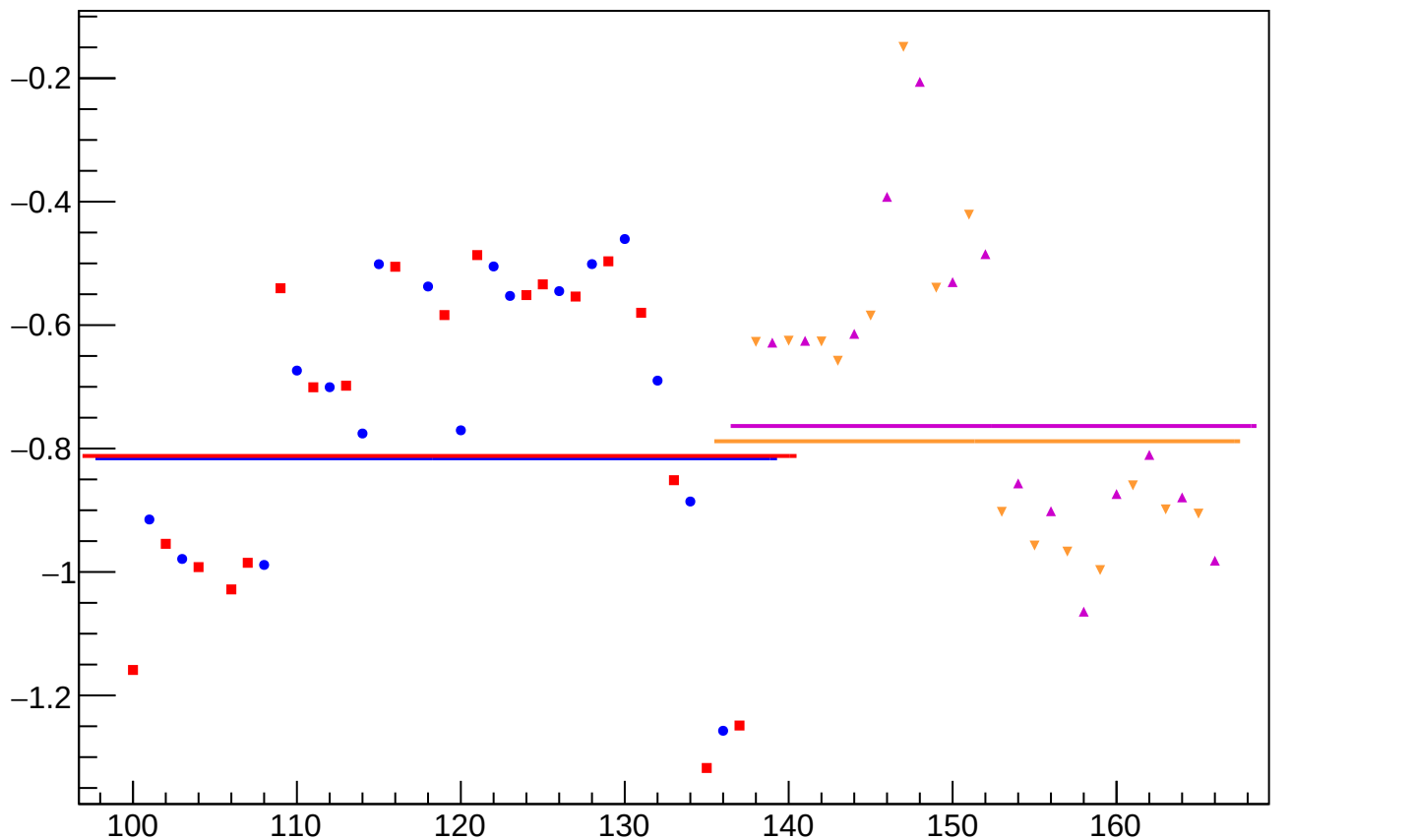
Left In: 0.004+/-0.000 χ^2/NDF : 46870.6/13

+ sign 0.005+/-0.000 χ^2/NDF : 1823895.0/31

All: 0.005+/-0.000 χ^2/NDF : 3295702.9/64

- sign 0.005+/-0.000 χ^2/NDF : 1470248.3/32

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.788+/-0.000 χ^2/NDF : 26133290896.1/14

Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

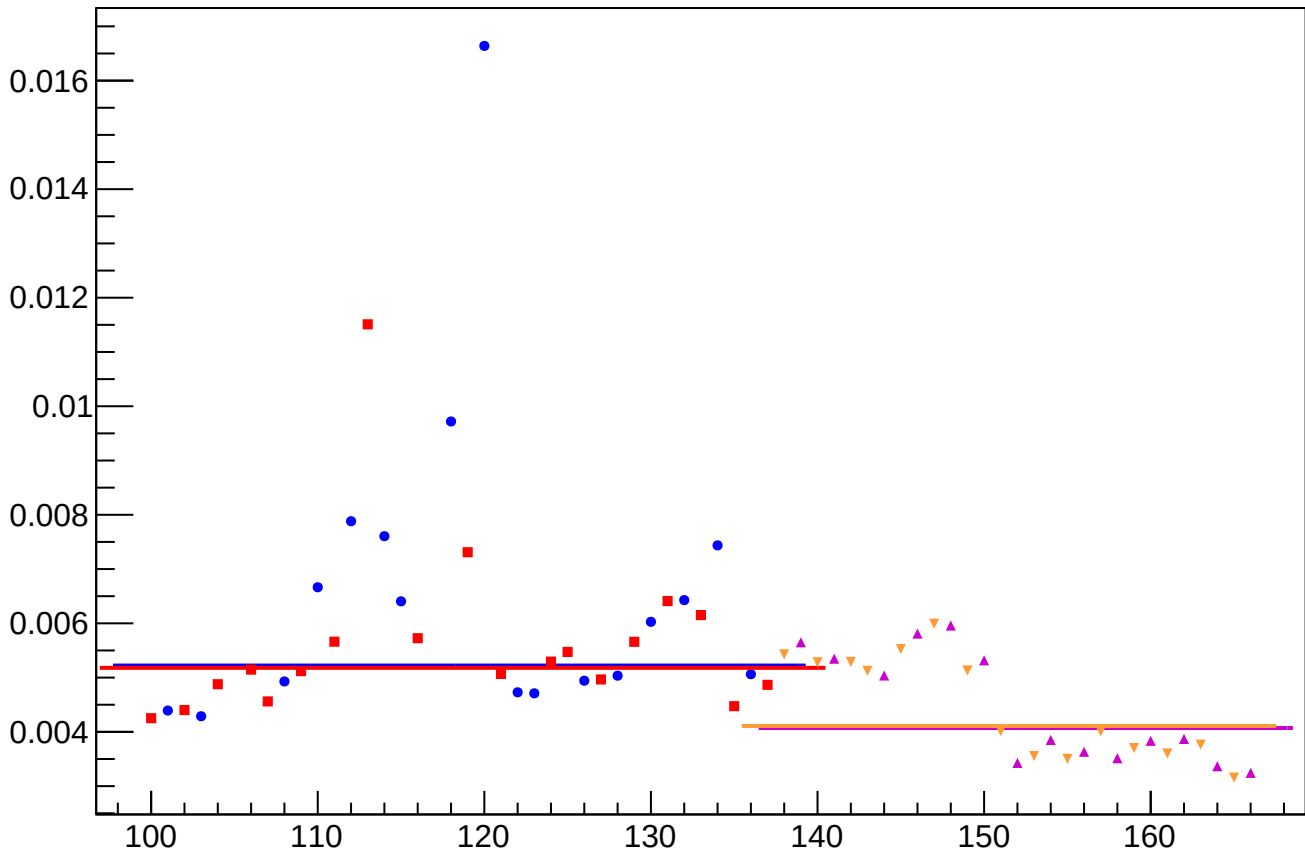
Left In: -0.763+/-0.000 χ^2/NDF : 28537265021.3/13

+ sign -0.795+/-0.000 χ^2/NDF : 40417793844.8/31

All: -0.786+/-0.000 χ^2/NDF : 86280933783.0/32

- sign -0.777+/-0.000 χ^2/NDF : 45730990764.3/32

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 : 768983.7/14

Right Out: 0.005+/-0.000 χ^2/NDF : 363781.3/18

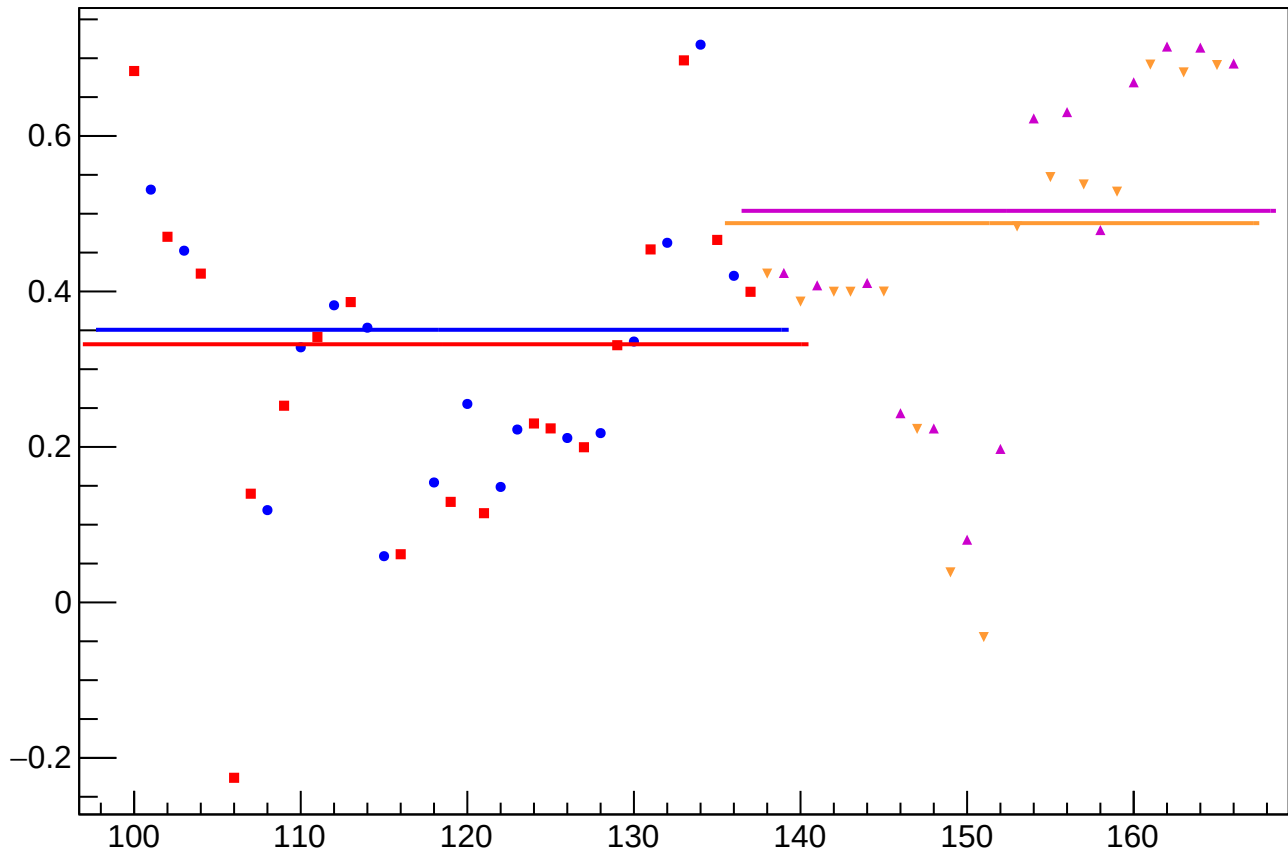
Left In: 0.004+/-0.000 χ^2/NDF : 859573.4/13

+ sign 0.004+/-0.000 χ^2/NDF : 1795689.0/31

All: 0.004+/-0.000 χ^2/NDF : 3413276.8/64

- sign 0.004+/-0.000 χ^2/NDF : 1617420.1/32

yield_bpm0i07Y_mean vs Slug



Right In: 0.351 $\pm$ 0.000 χ^2 /NDF: 7410859446.3/16

Left Out: 0.488 $\pm$ 0.000 χ^2 /NDF:33821105443.9/14

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 11796213425.9/18

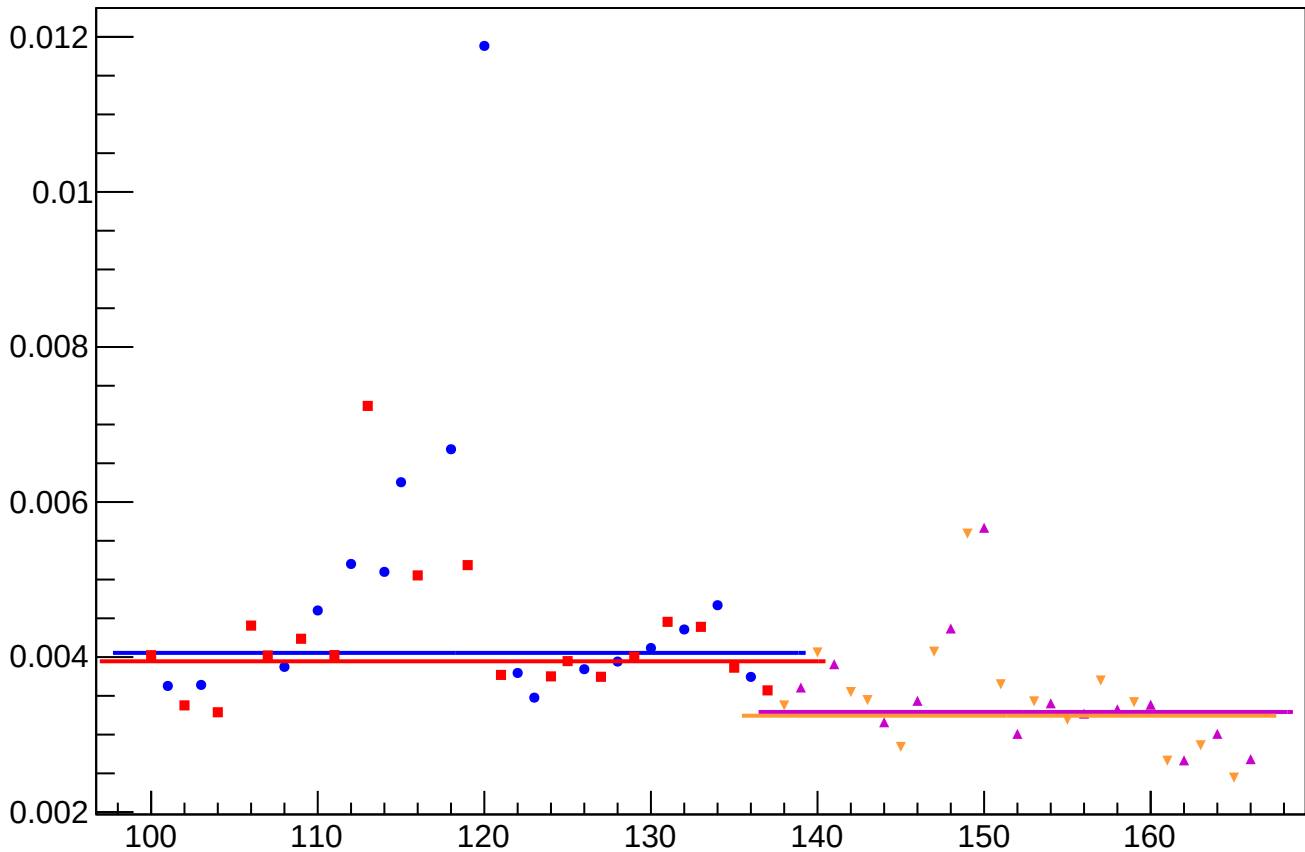
Left In: 0.504 $\pm$ 0.000 χ^2 /NDF:33395834841.1/13

+ sign 0.449 $\pm$ 0.000 χ^2 /NDF: 45920217106.9/31

All: 0.450 $\pm$ 0.000 χ^2 /NDF: 99067049224.3/6

- sign 0.450 $\pm$ 0.000 χ^2 /NDF: 53146548135.7/32

yield_bpm0i07Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 455318.3/16

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 641580.5/14

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 260968.0/18

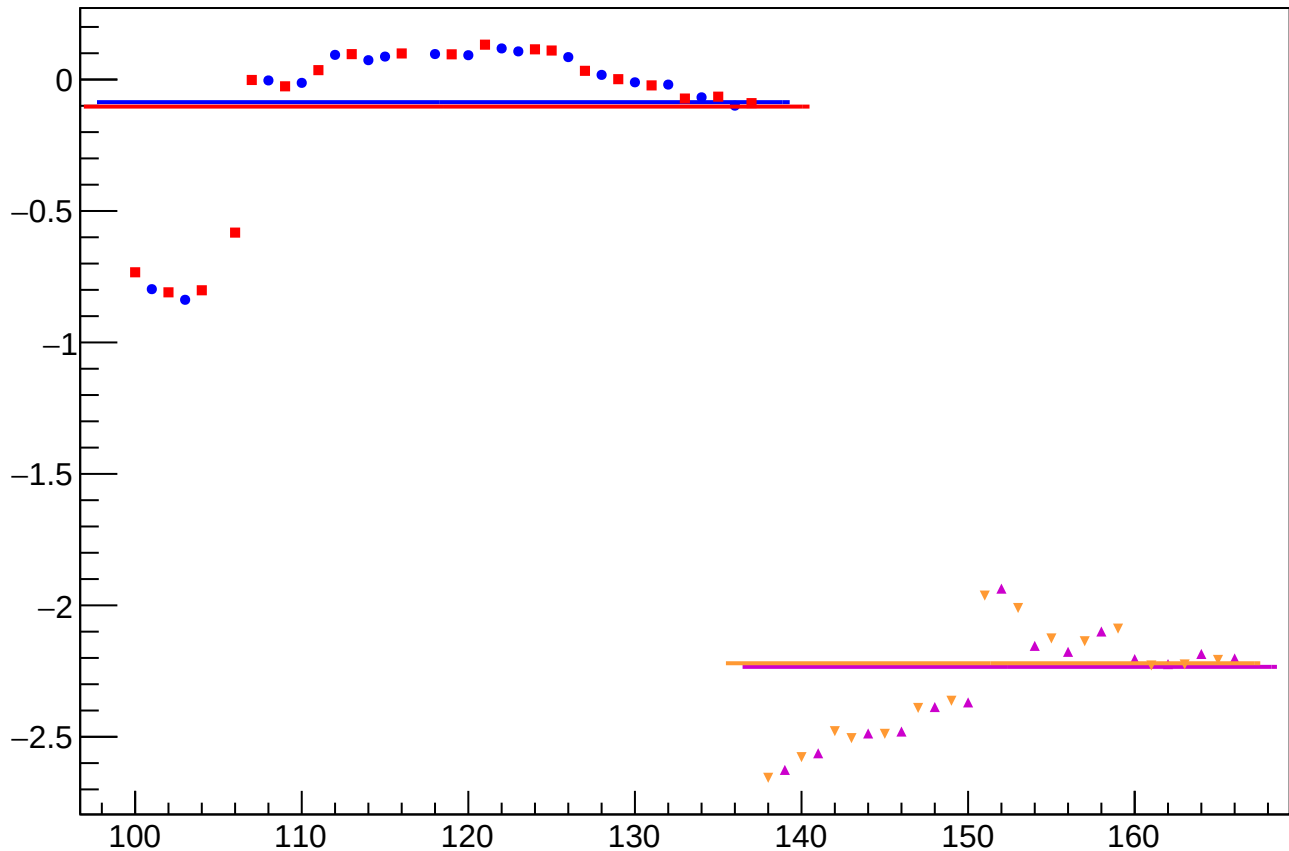
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 556792.0/13

+ sign 0.003 $\pm$ 0.000 χ^2/NDF : 1424394.6/31

All: 0.003 $\pm$ 0.000 χ^2/NDF : 2473675.3/64

- sign 0.003 $\pm$ 0.000 χ^2/NDF : 1048495.7/32

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.220+/-0.000 χ^2/NDF : 3414715565.0/14

Right Out: -0.103+/-0.000 χ^2/NDF : 5553039516.7/18

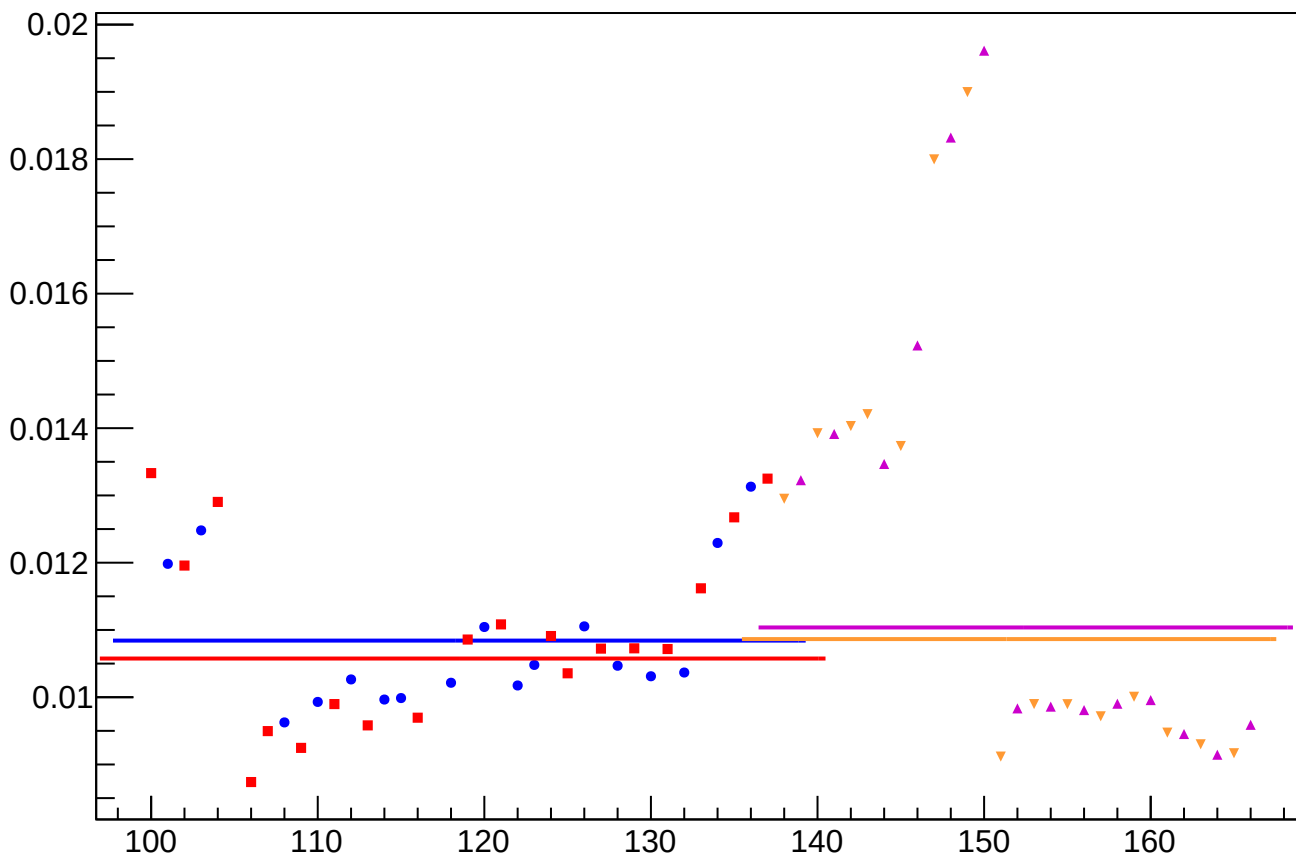
Left In: -2.234+/-0.000 χ^2/NDF : 2689196510.5/13

+ sign -1.390+/-0.000 χ^2/NDF : 165602414576.0/31

All: -1.357+/-0.000 χ^2/NDF : 337213685839.9

- sign -1.323+/-0.000 χ^2/NDF : 171279261900.7/32

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 :1071702.9/14

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

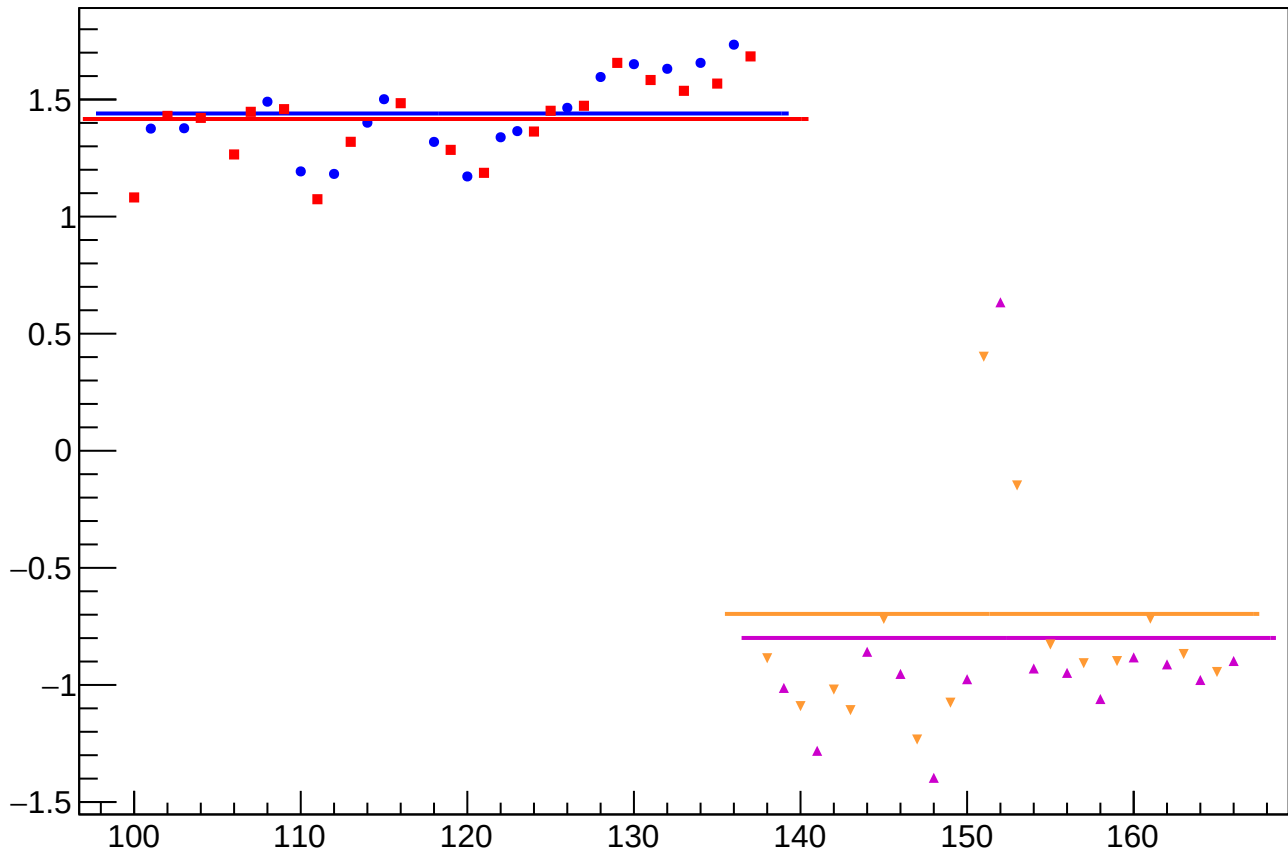
Left In: 0.011+/-0.000 χ^2/NDF :1101040.7/13

+ sign 0.011+/-0.000 χ^2/NDF : 1195998.1/31

All: 0.011+/-0.000 χ^2/NDF : 2491364.3/64

- sign 0.011+/-0.000 χ^2/NDF : 1295329.0/32

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.697 $\pm$ 0.000 χ^2 /NDF: 30350886894.7/14

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

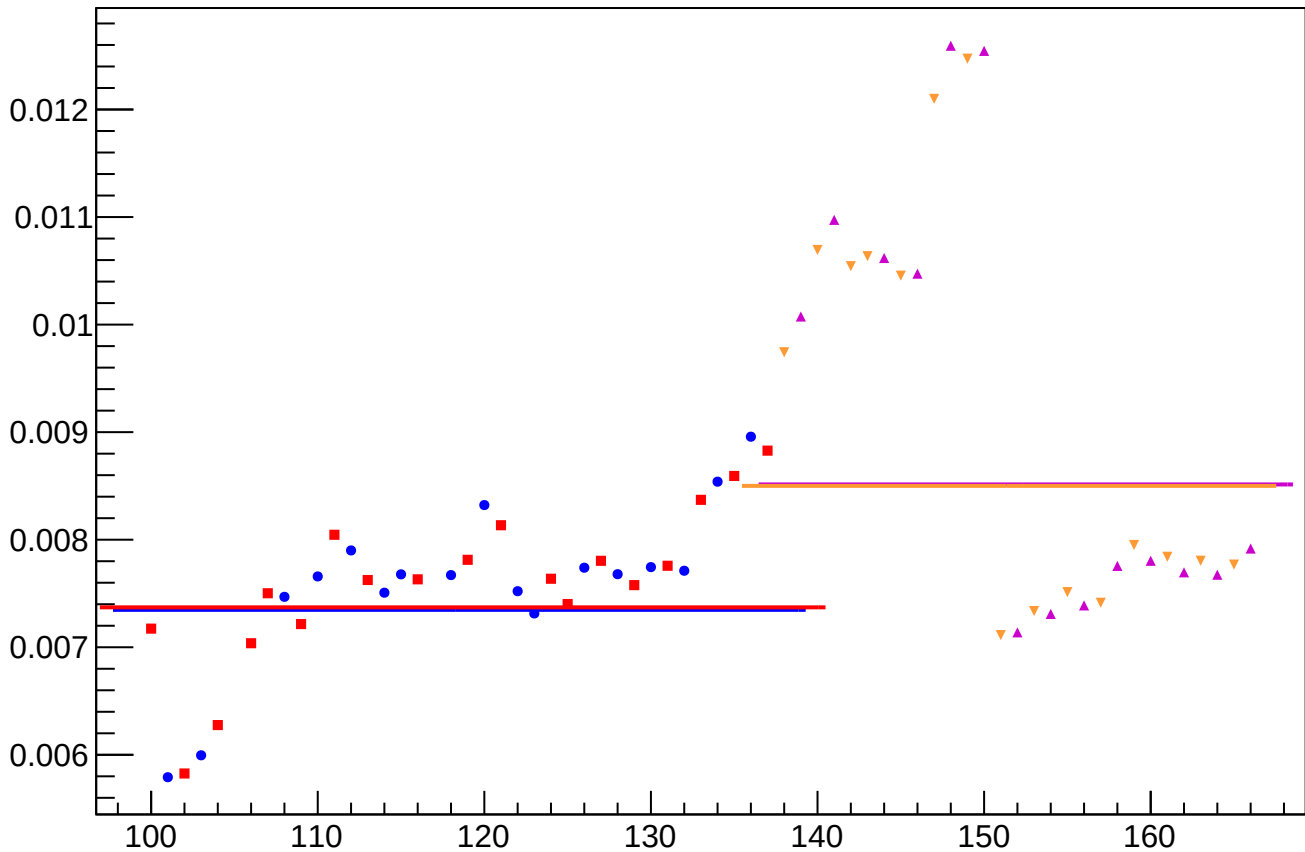
Left In: -0.799 $\pm$ 0.000 χ^2 /NDF: 39580697096.6/13

+ sign 0.271 $\pm$ 0.000 χ^2 /NDF: 338717150952.5/31

All: 0.261 $\pm$ 0.000 χ^2 /NDF: 714841170902.5

- sign 0.250 $\pm$ 0.000 χ^2 /NDF: 376065364641.6/32

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 : 731051.3/14

Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

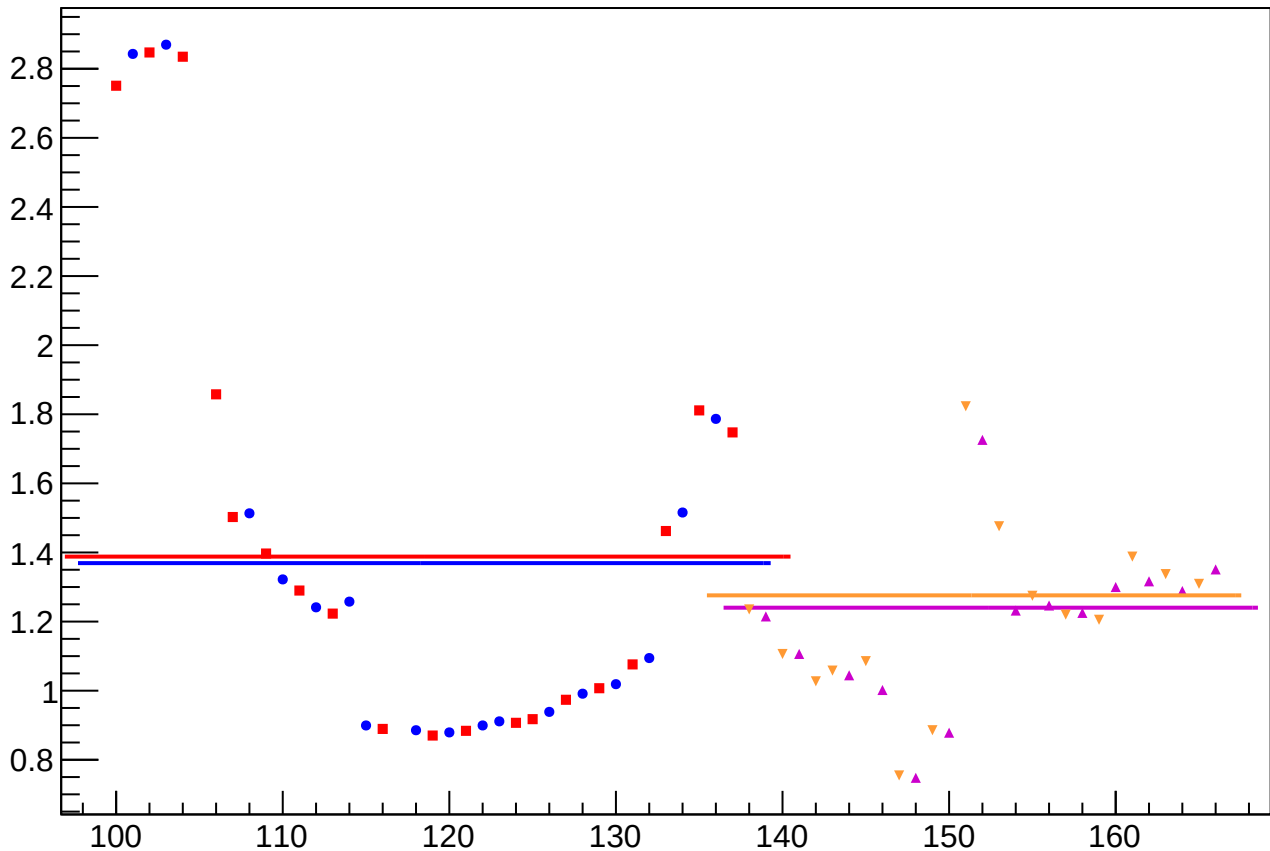
Left In: 0.009+/-0.000 χ^2/NDF : 796571.5/13

+ sign 0.008+/-0.000 χ^2/NDF : 1136644.4/31

All: 0.008+/-0.000 χ^2/NDF : 2283401.3/64

- sign 0.008+/-0.000 χ^2/NDF : 1146747.7/32

yield_bpm1i04X_mean vs Slug



Right In: 1.369+/-0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.276+/-0.000 χ^2/NDF : 9020135426.5/14

+ sign 1.320+/-0.000 χ^2/NDF : 63885971454.8/31

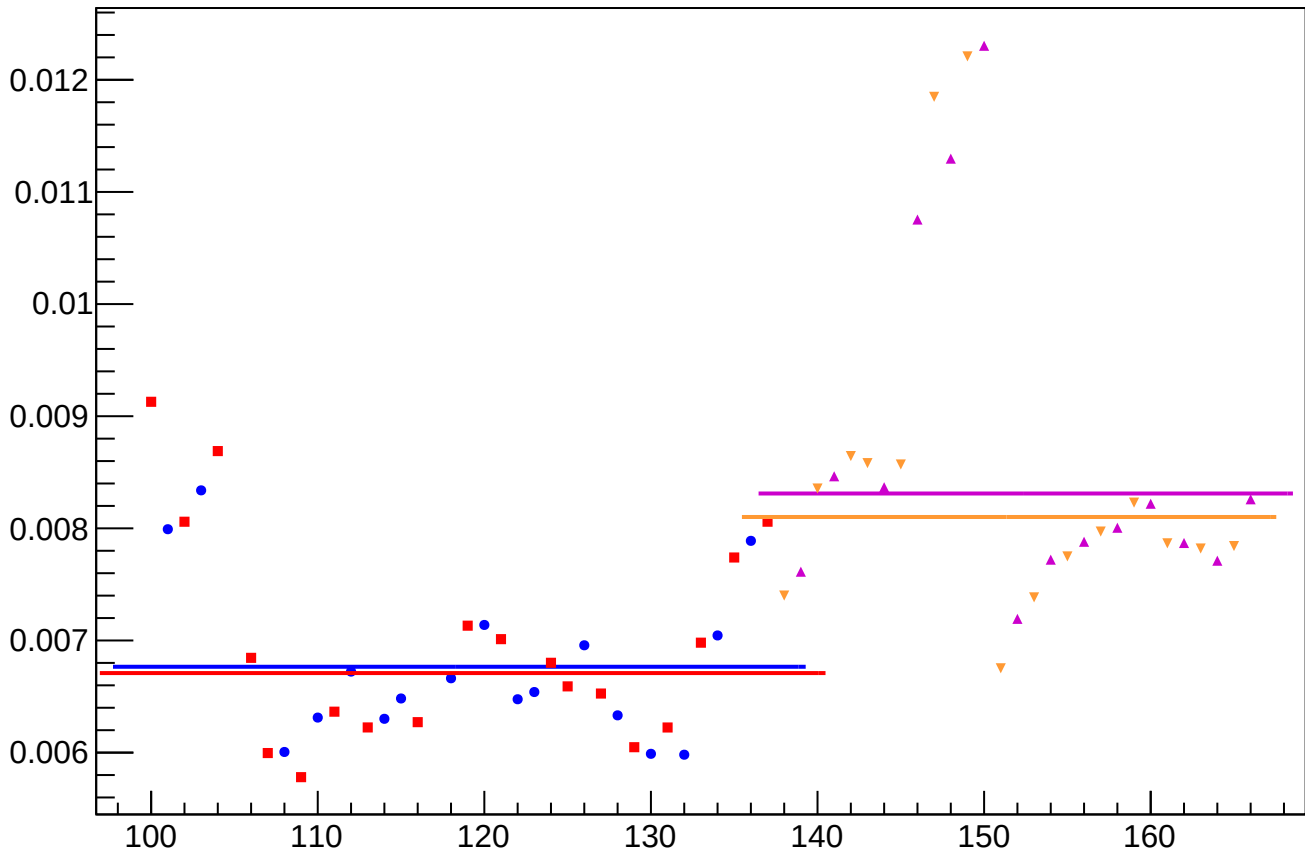
Right Out: 1.388+/-0.000 χ^2/NDF : 49900245868.0/18

All: 1.318+/-0.000 χ^2/NDF : 122596597843.7

- sign 1.316+/-0.000 χ^2/NDF : 58707334295.9/32

Left In: 1.240+/-0.000 χ^2/NDF : 7140181559.1/13

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 : 411126.7/14

Right Out: 0.007+/-0.000 χ^2/NDF : 187826.7/18

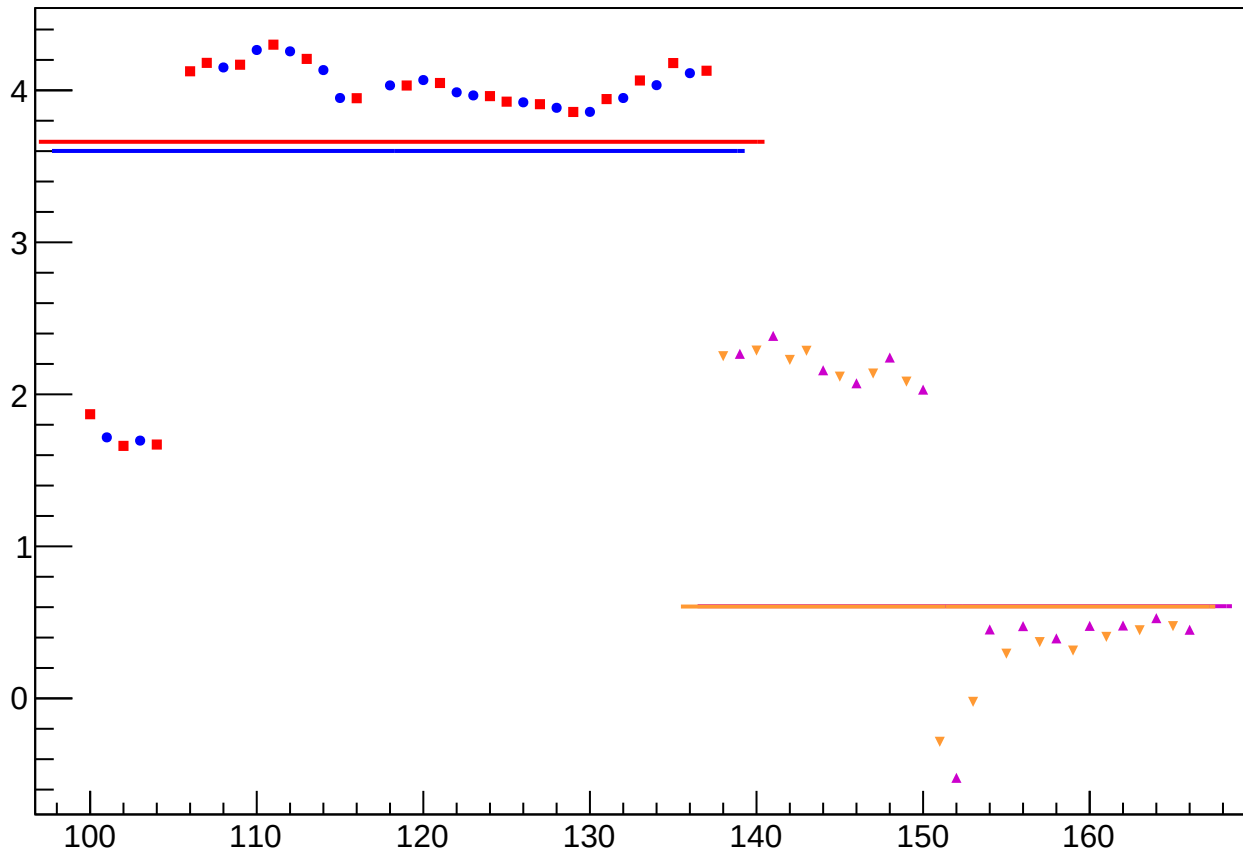
Left In: 0.008+/-0.000 χ^2/NDF : 427934.7/13

+ sign 0.007+/-0.000 χ^2/NDF : 841393.1/31

All: 0.007+/-0.000 χ^2/NDF : 1848459.5/64

- sign 0.007+/-0.000 χ^2/NDF : 1006836.4/32

yield_bpm1i04Y_mean vs Slug



Right In: 3.601 $\pm$ 0.000 χ^2 /NDF: 185806937655.3/16

Left Out: 0.604 $\pm$ 0.000 χ^2 /NDF: 256354750941.5/14

Right Out: 3.661 $\pm$ 0.000 χ^2 /NDF: 192519897222.5/18

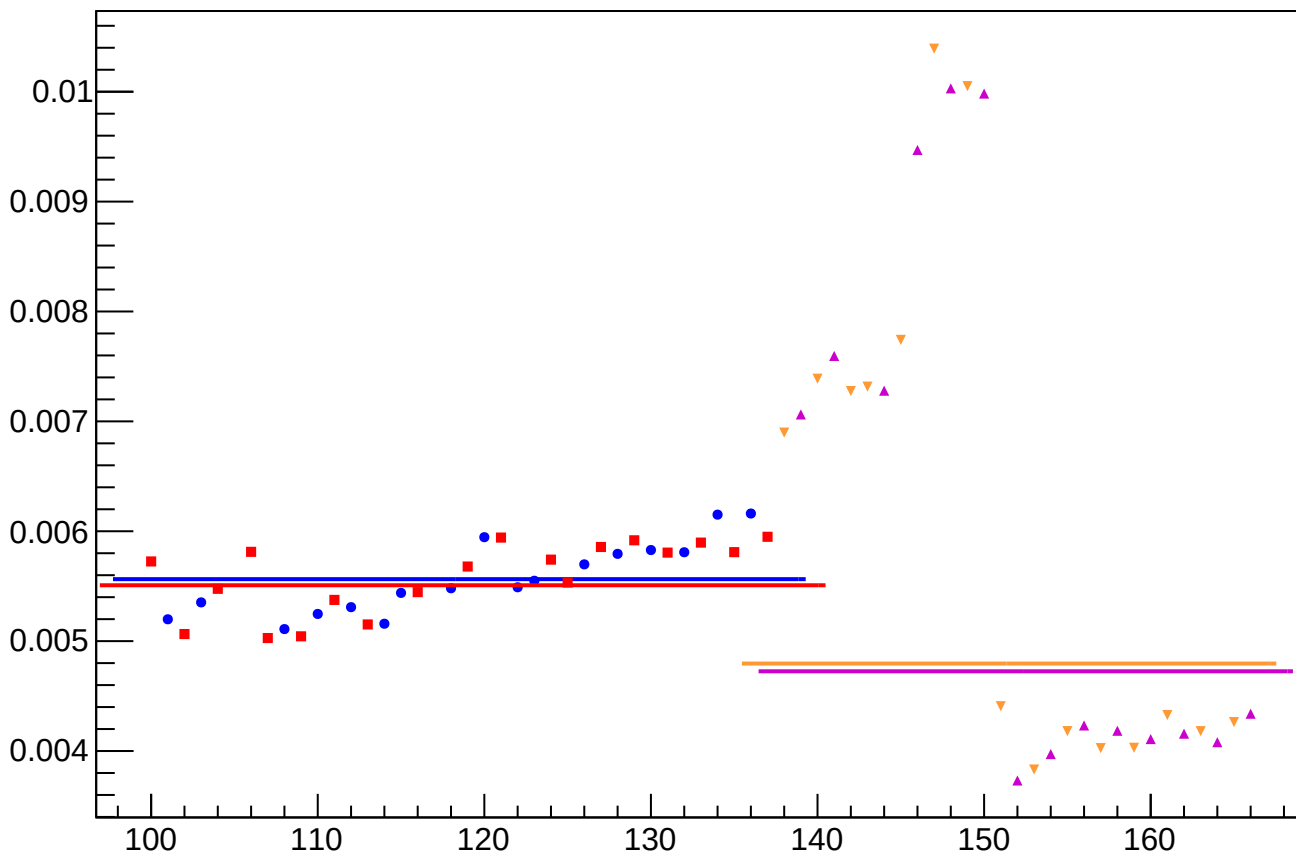
Left In: 0.606 $\pm$ 0.000 χ^2 /NDF: 252855277077.2/13

+ sign 1.628 $\pm$ 0.000 χ^2 /NDF: 1719126358251.7/31

All: 1.658 $\pm$ 0.000 χ^2 /NDF: 3548623053989.

- sign 1.687 $\pm$ 0.000 χ^2 /NDF: 1828388413564.0/32

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 : 1896328.5/14

Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

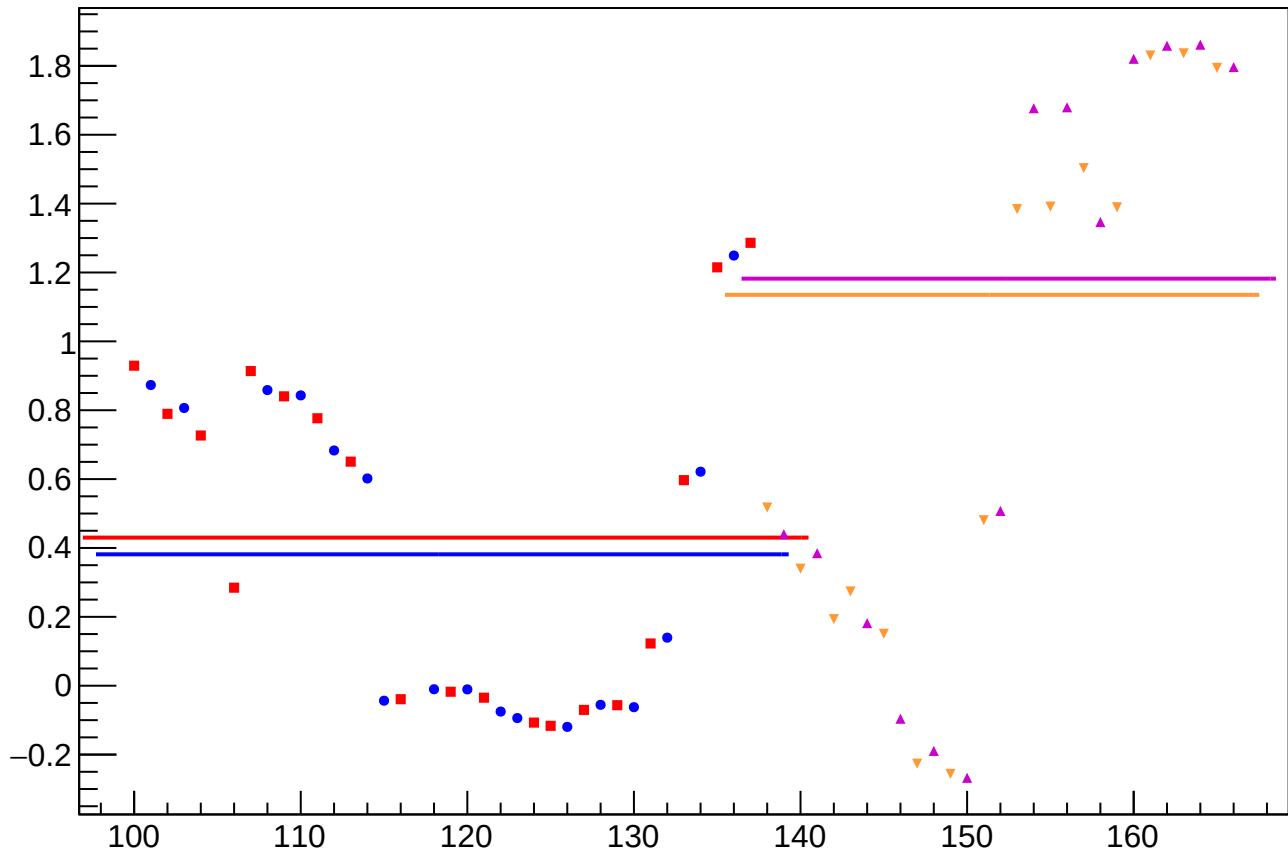
Left In: 0.005+/-0.000 χ^2/NDF : 2101843.9/13

+ sign 0.005+/-0.000 χ^2/NDF : 2111673.4/31

All: 0.005+/-0.000 χ^2/NDF : 4449808.2/64

- sign 0.005+/-0.000 χ^2/NDF : 2336135.2/32

yield_bpm1i06X_mean vs Slug



Right In: 0.382+/-0.000 χ^2/NDF : 7124759123.1/16

Left Out: 1.135+/-0.000 χ^2/NDF : 34775663070.6/14

Right Out: 0.430+/-0.000 χ^2/NDF : 6676199135.9/18

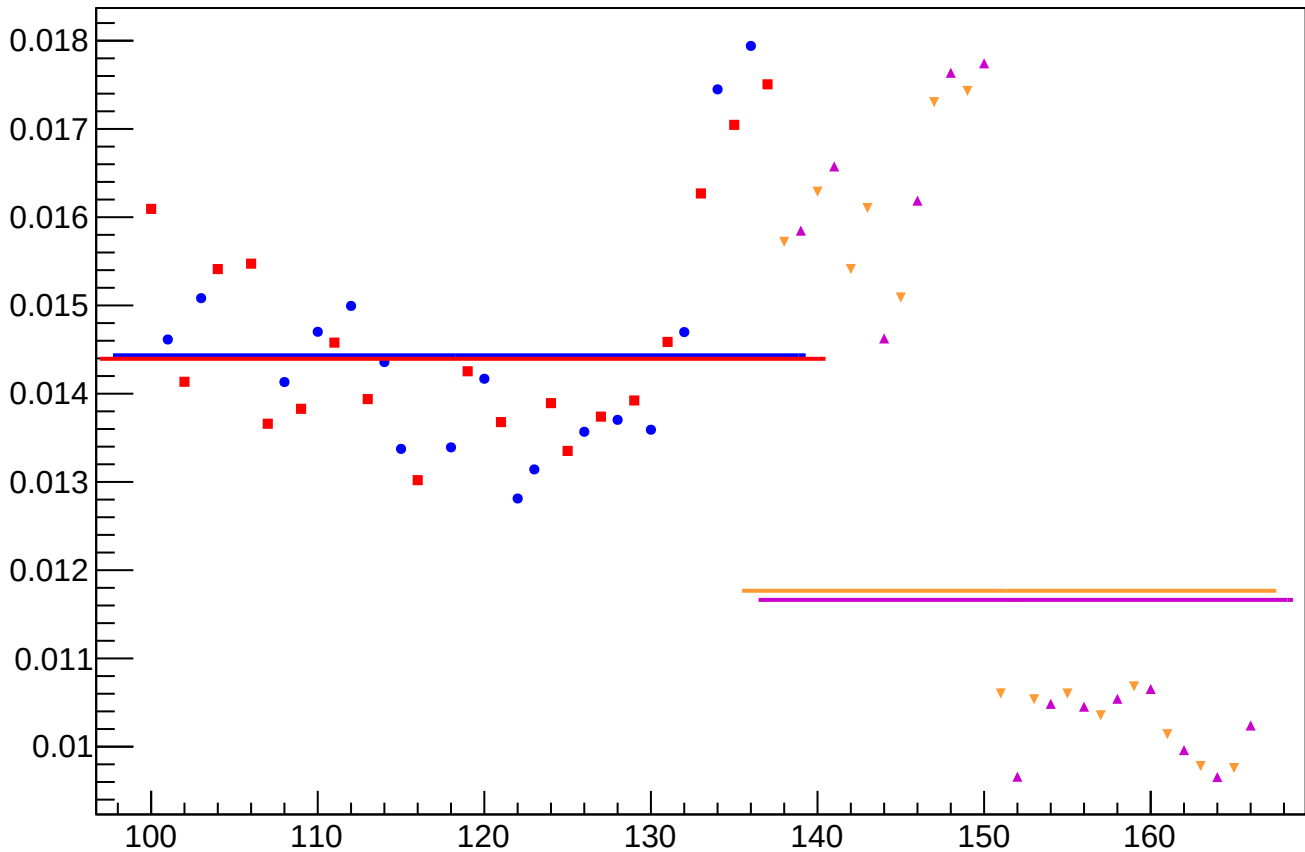
Left In: 1.182+/-0.000 χ^2/NDF : 41829327658.4/13

+ sign 0.911+/-0.000 χ^2/NDF : 54588162003.6/31

All: 0.931+/-0.000 χ^2/NDF : 116268840747.3

- sign 0.950+/-0.000 χ^2/NDF : 61600828023.1/32

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:1007747.0/14

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 74531.6/18

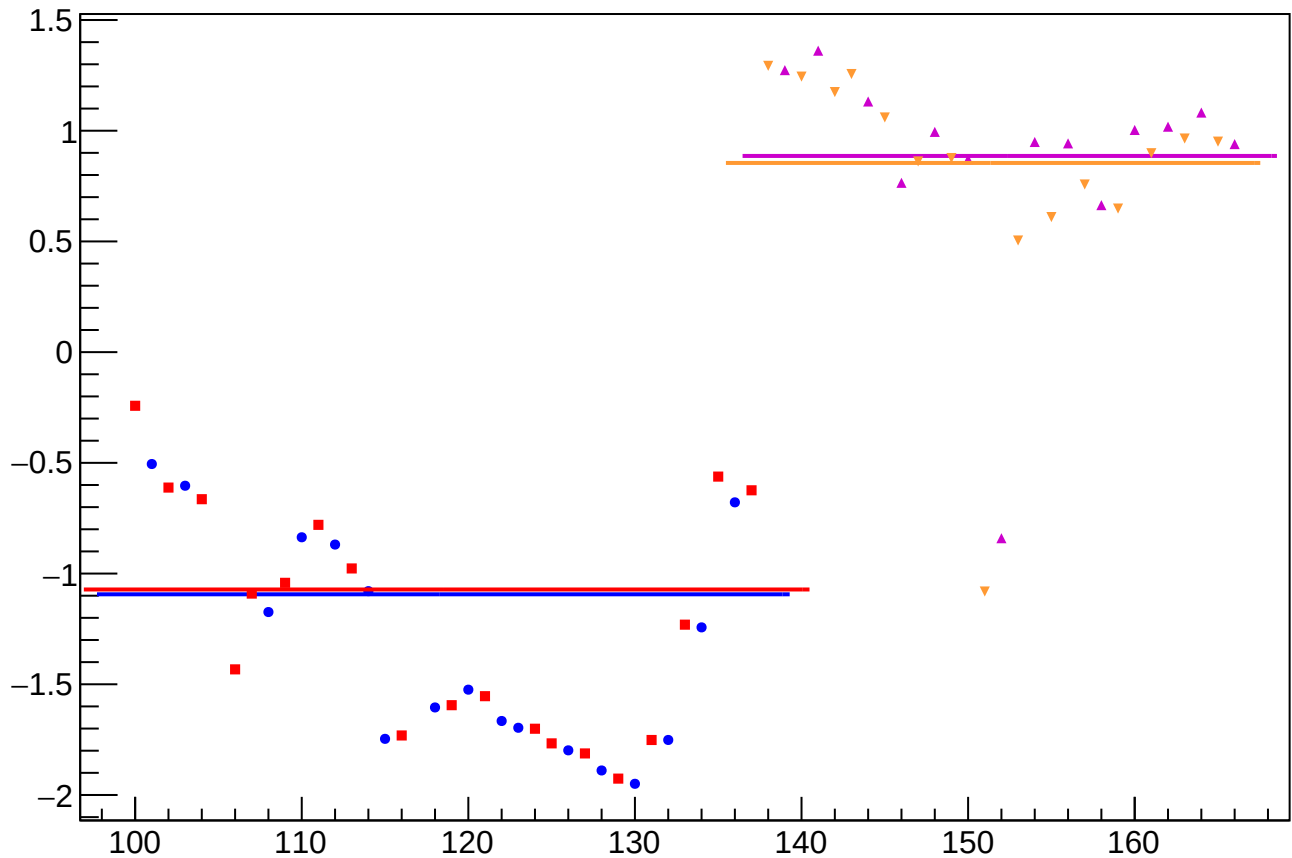
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:1078502.1/13

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1436097.7/31

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 2935111.6/64

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1498724.8/32

yield_bpm1i06Y_mean vs Slug



Right In: -1.094+/-0.000 χ^2 /NDF: 55960104370.4/16

Left Out: 0.854+/-0.000 χ^2 /NDF:124470197184.3/14

Right Out: -1.072+/-0.000 χ^2 /NDF: 46896017480.0/18

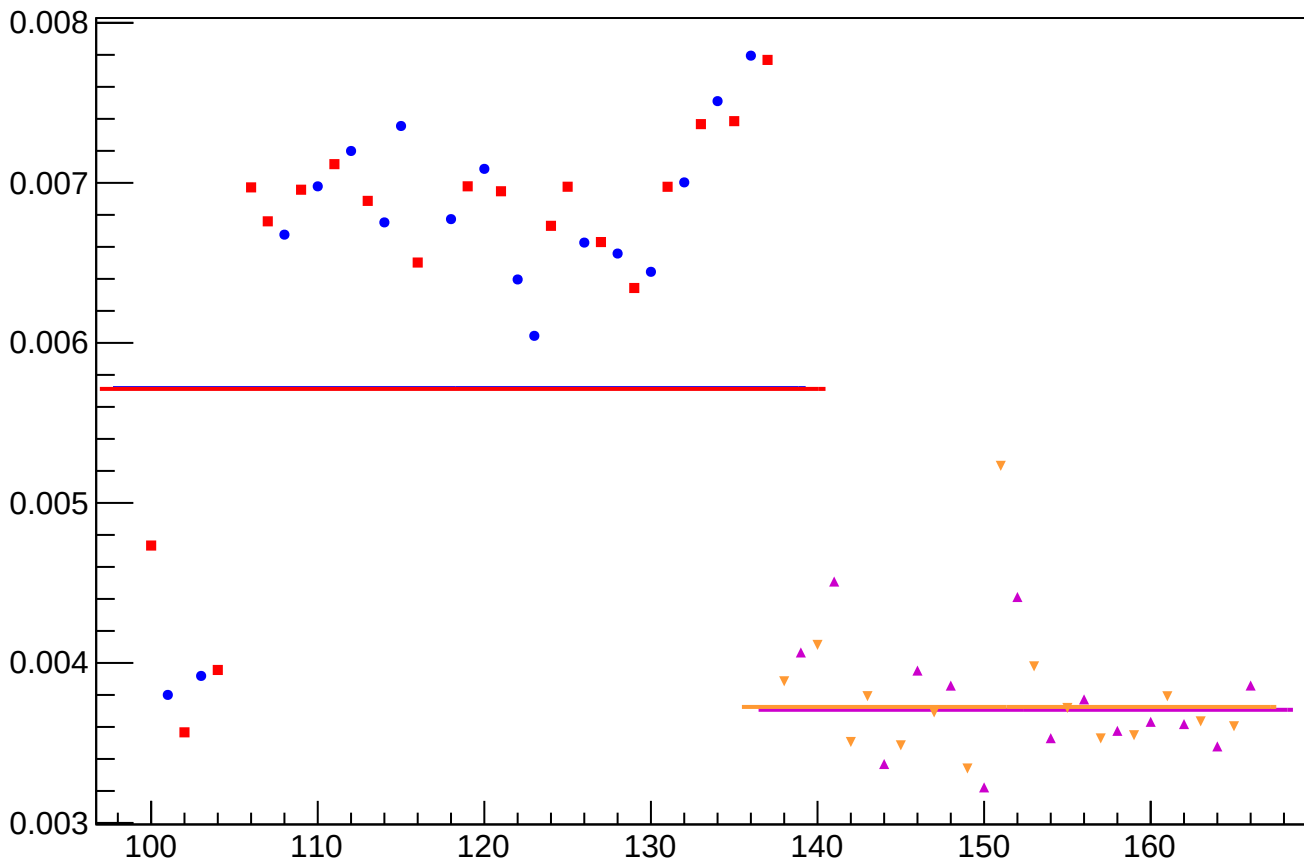
Left In: 0.886+/-0.000 χ^2 /NDF:145707413233.9/13

+ sign 0.459+/-0.000 χ^2 /NDF: 729859294216.5/31

All: 0.466+/-0.000 χ^2 /NDF: 1493616972786.

- sign 0.472+/-0.000 χ^2 /NDF: 763675138826.0/32

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 837775.0/16

Left Out: 0.004+/-0.000 χ^2/NDF : 160835.1/14

Right Out: 0.006+/-0.000 χ^2/NDF : 923899.1/18

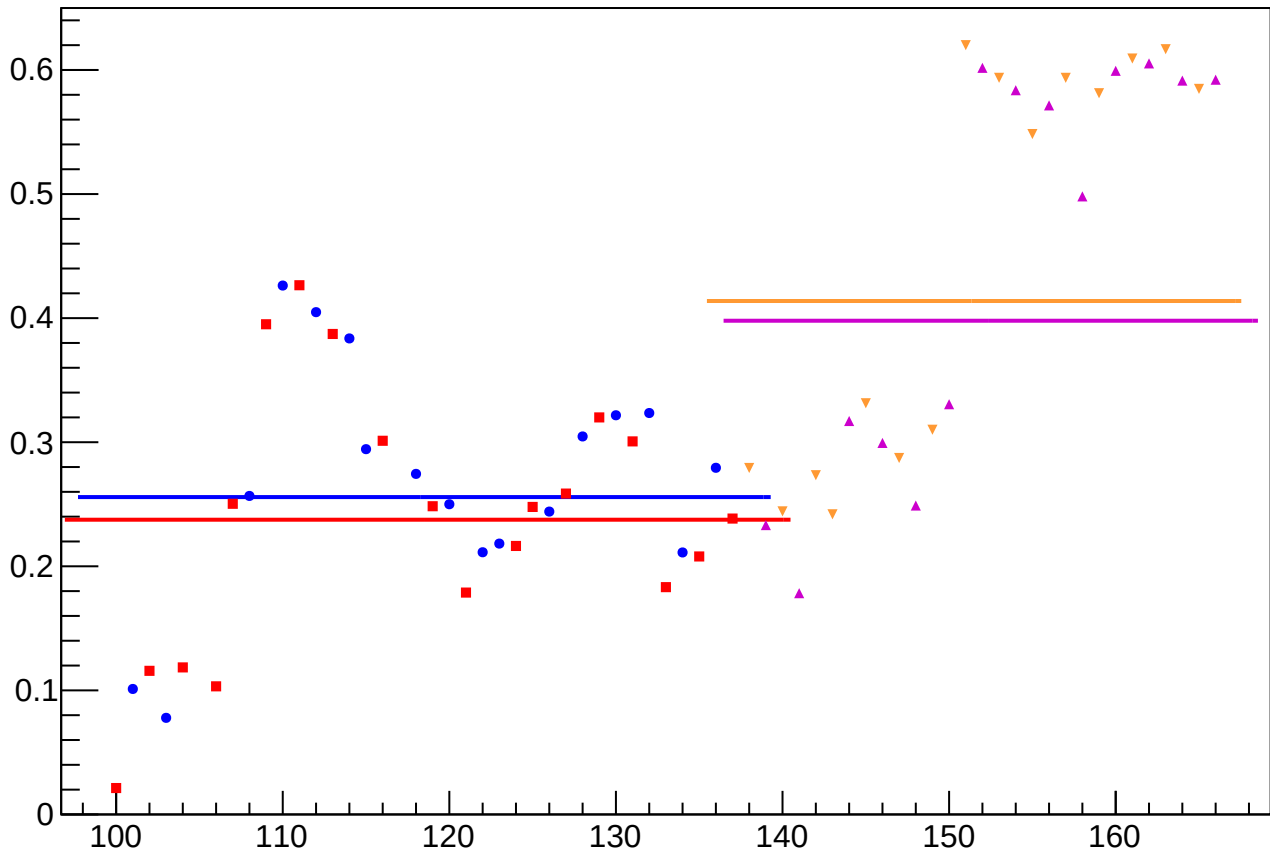
Left In: 0.004+/-0.000 χ^2/NDF : 170411.8/13

+ sign 0.004+/-0.000 χ^2/NDF : 2148022.9/31

All: 0.004+/-0.000 χ^2/NDF : 4440400.9/64

- sign 0.004+/-0.000 χ^2/NDF : 2292376.8/32

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.414+/-0.000 χ^2/NDF : 75249535084.2/14

Right Out: 0.238+/-0.000 χ^2/NDF : 26057284646.9/18

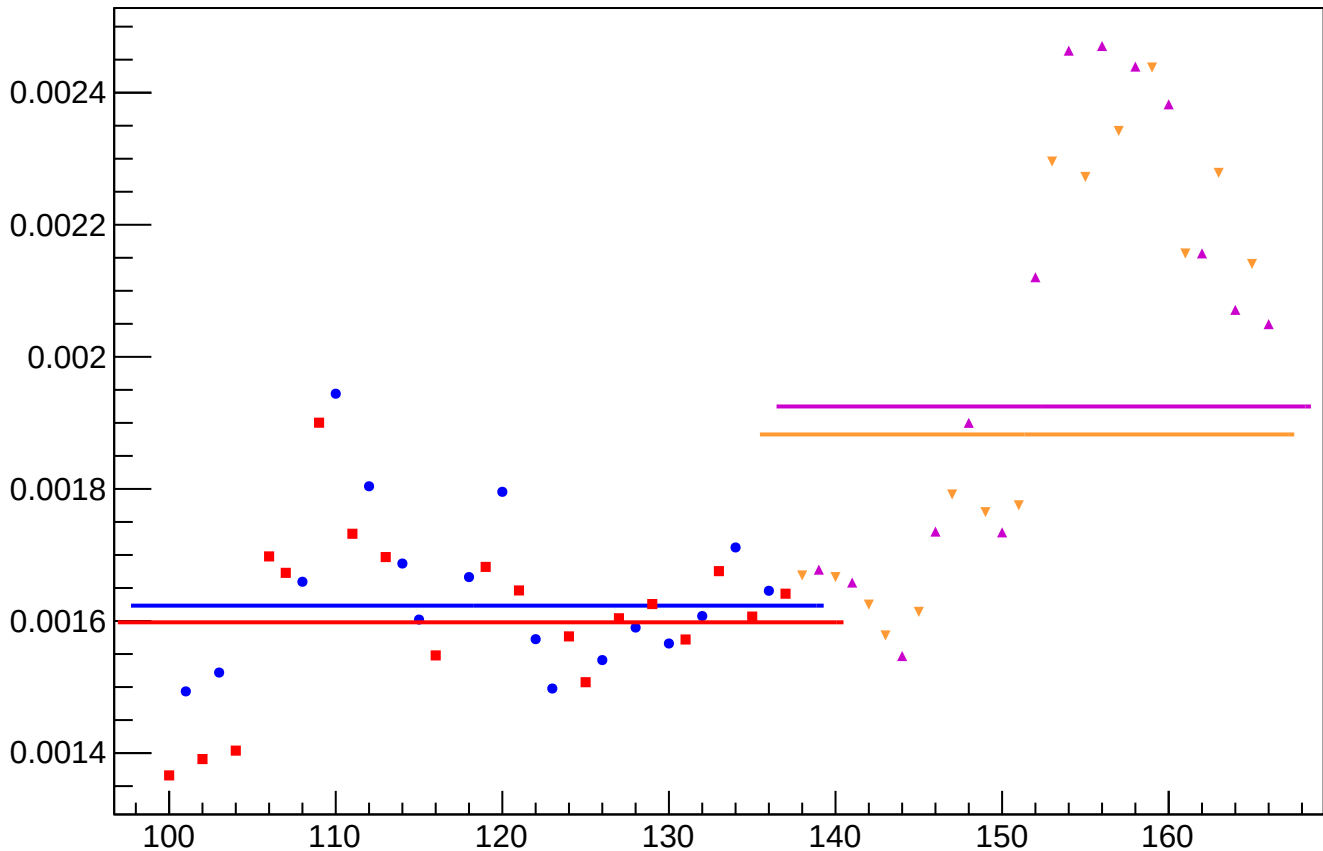
Left In: 0.398+/-0.000 χ^2/NDF : 71964795371.6/13

+ sign 0.343+/-0.000 χ^2/NDF : 130390202589.0/31

All: 0.331+/-0.000 χ^2/NDF : 265534347824.9

- sign 0.319+/-0.000 χ^2/NDF : 133509222885.7/32

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 : 508121.9/14

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

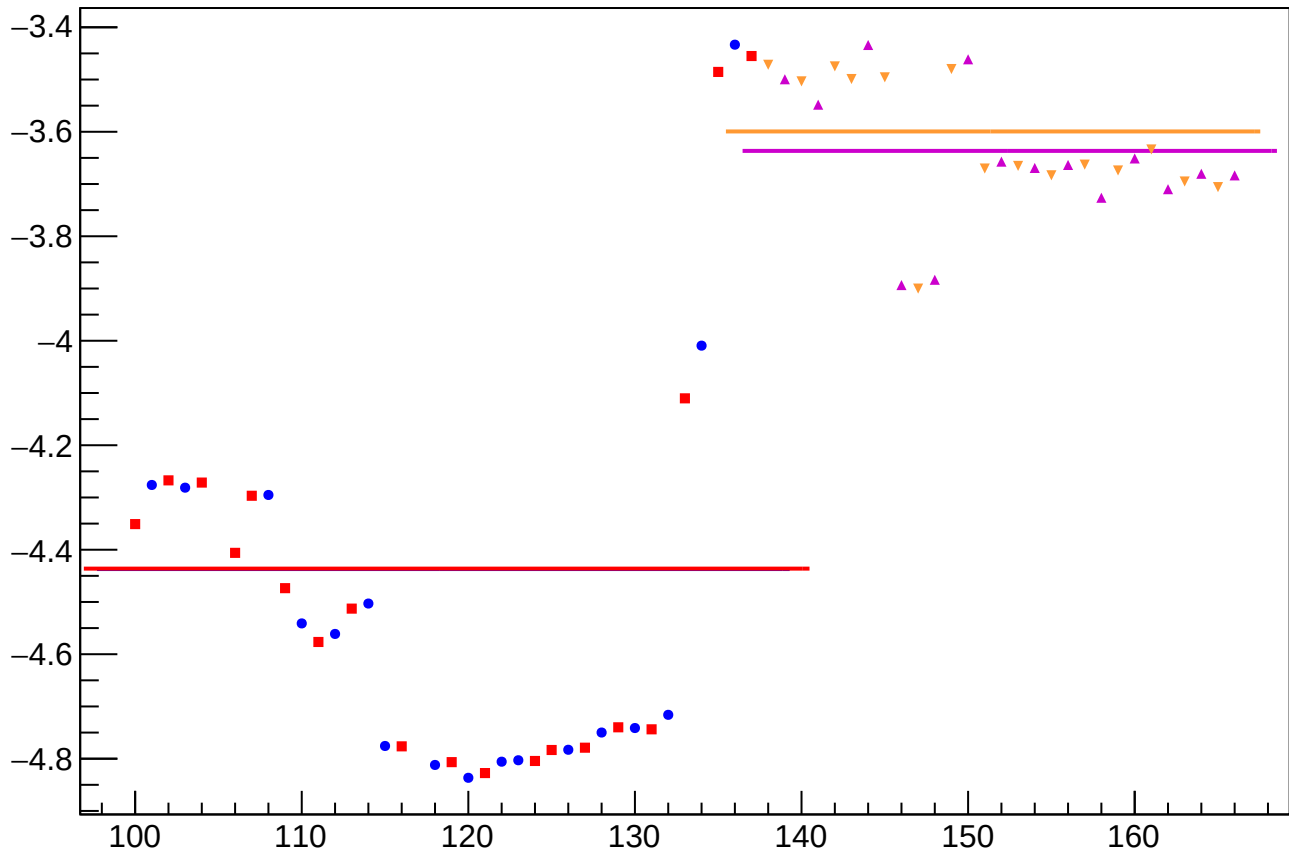
Left In: 0.002+/-0.000 χ^2/NDF : 539343.9/13

+ sign 0.002+/-0.000 χ^2/NDF : 742371.7/31

All: 0.002+/-0.000 χ^2/NDF : 1667267.2/64

- sign 0.002+/-0.000 χ^2/NDF : 924845.0/32

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.599+/-0.000 χ^2/NDF : 32363984154.4/14

Right Out: -4.436+/-0.000 χ^2/NDF : 325183860699.4/18

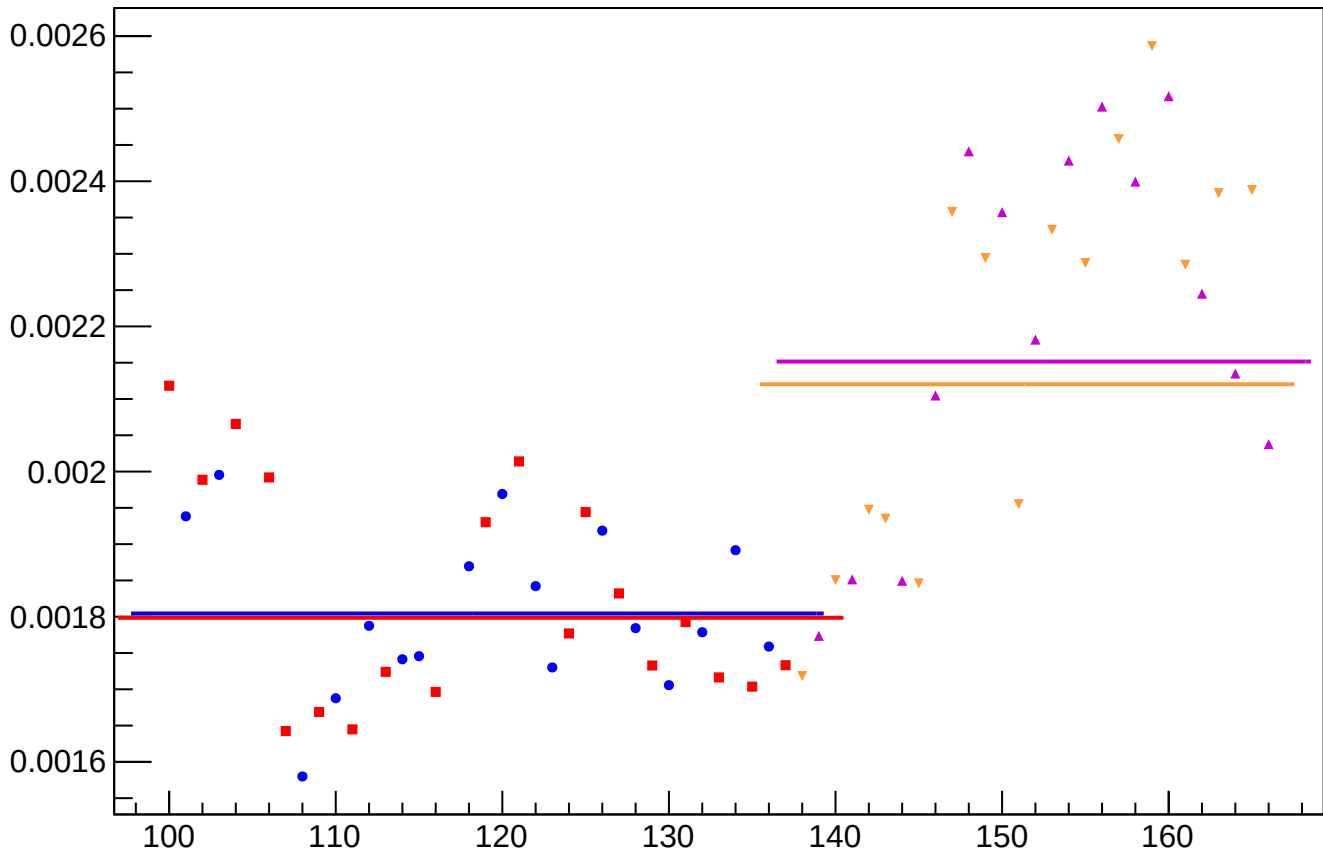
Left In: -3.637+/-0.000 χ^2/NDF : 43006985416.2/13

+ sign -3.983+/-0.000 χ^2/NDF : 1184962318645.1/3

All: -4.003+/-0.000 χ^2/NDF : 2257410280475

- sign -4.024+/-0.000 χ^2/NDF : 1068845546190.8/3

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 : 338036.6/14

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

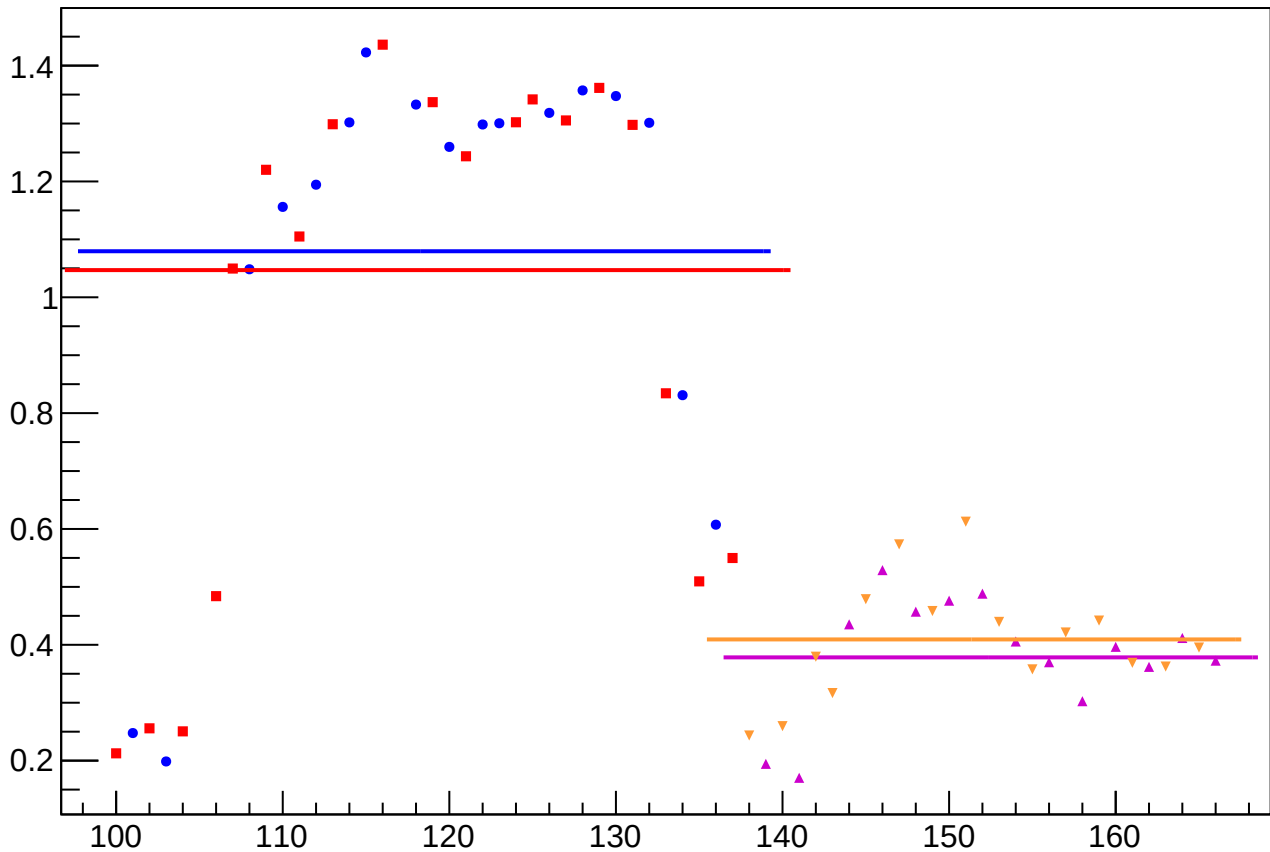
Left In: 0.002+/-0.000 χ^2/NDF : 293223.8/13

+ sign 0.002+/-0.000 χ^2/NDF : 603184.7/31

All: 0.002+/-0.000 χ^2/NDF : 1250732.3/64

- sign 0.002+/-0.000 χ^2/NDF : 647434.0/32

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.409 $\pm$ 0.000 χ^2 /NDF: 1216545243.6/14

+ sign 0.746 $\pm$ 0.000 χ^2 /NDF: 46132999740.9/31

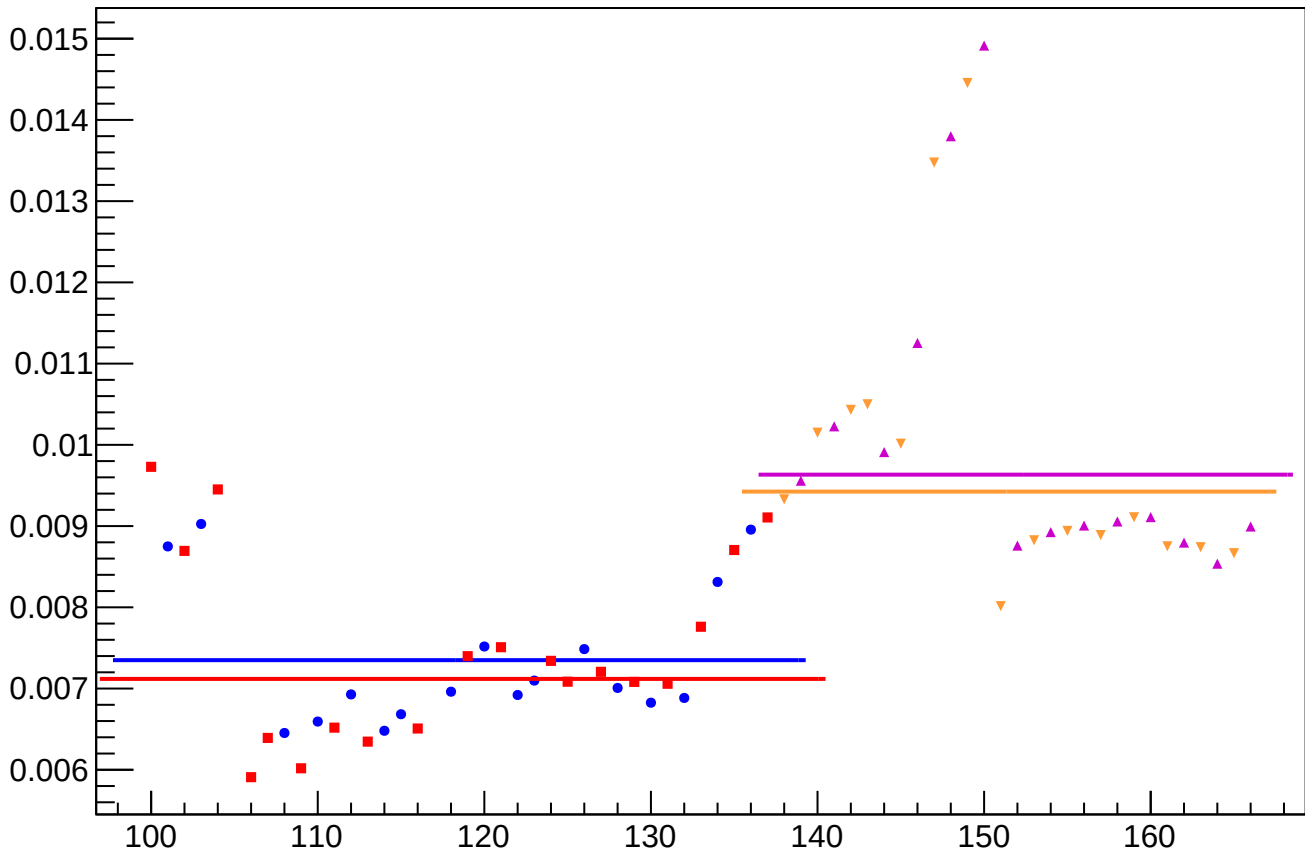
Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

All: 0.745 $\pm$ 0.000 χ^2 /NDF: 94692056425.4/6

Left In: 0.378 $\pm$ 0.000 χ^2 /NDF: 1044926879.2/13

- sign 0.745 $\pm$ 0.000 χ^2 /NDF: 48558953451.1/32

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 : 465425.7/14

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

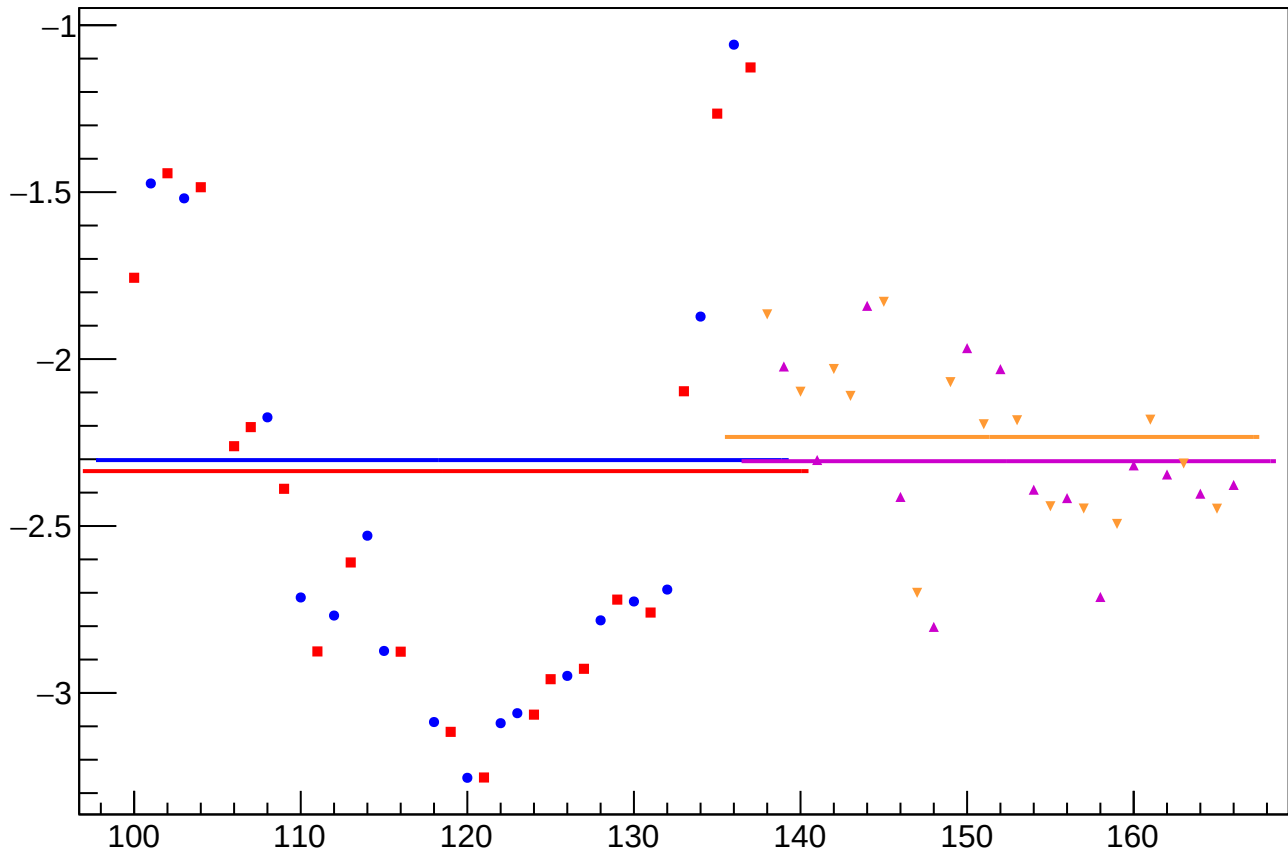
Left In: 0.010+/-0.000 χ^2/NDF : 487253.9/13

+ sign 0.008+/-0.000 χ^2/NDF : 1171287.3/31

All: 0.008+/-0.000 χ^2/NDF : 2708730.5/64

- sign 0.008+/-0.000 χ^2/NDF : 1533392.0/32

yield_bpm2i02Y_mean vs Slug



Right In: -2.303 ± 0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.233 ± 0.000 χ^2/NDF : 7359959696.8/14

Right Out: -2.336 ± 0.000 χ^2/NDF : 64499162456.4/18

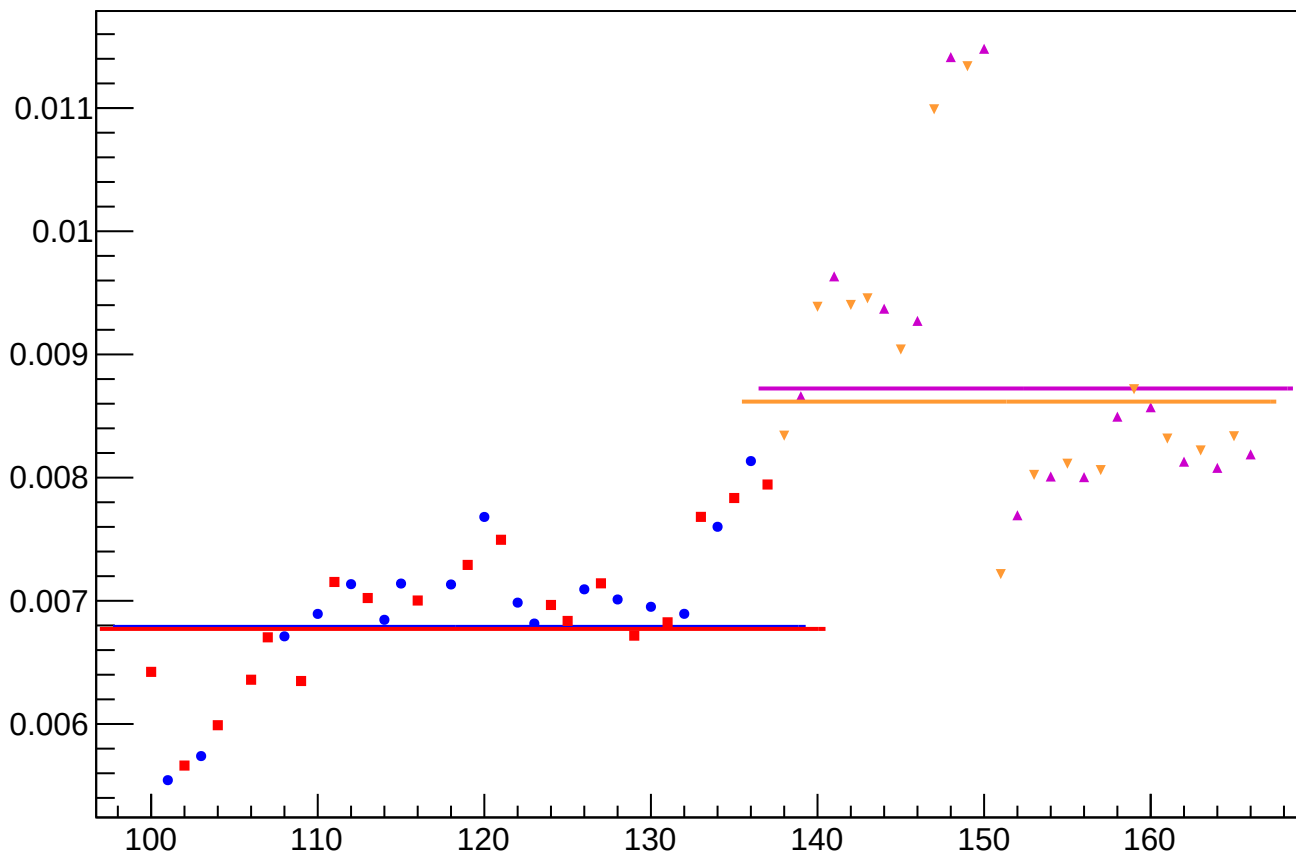
Left In: -2.306 ± 0.000 χ^2/NDF : 8552638812.5/13

+ sign -2.268 ± 0.000 χ^2/NDF : 81465639811.9/31

All: -2.295 ± 0.000 χ^2/NDF : 155006220899.0

- sign -2.321 ± 0.000 χ^2/NDF : 73116701295.4/32

yield_bpm2i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 165199.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 286185.6/14

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 123244.0/18

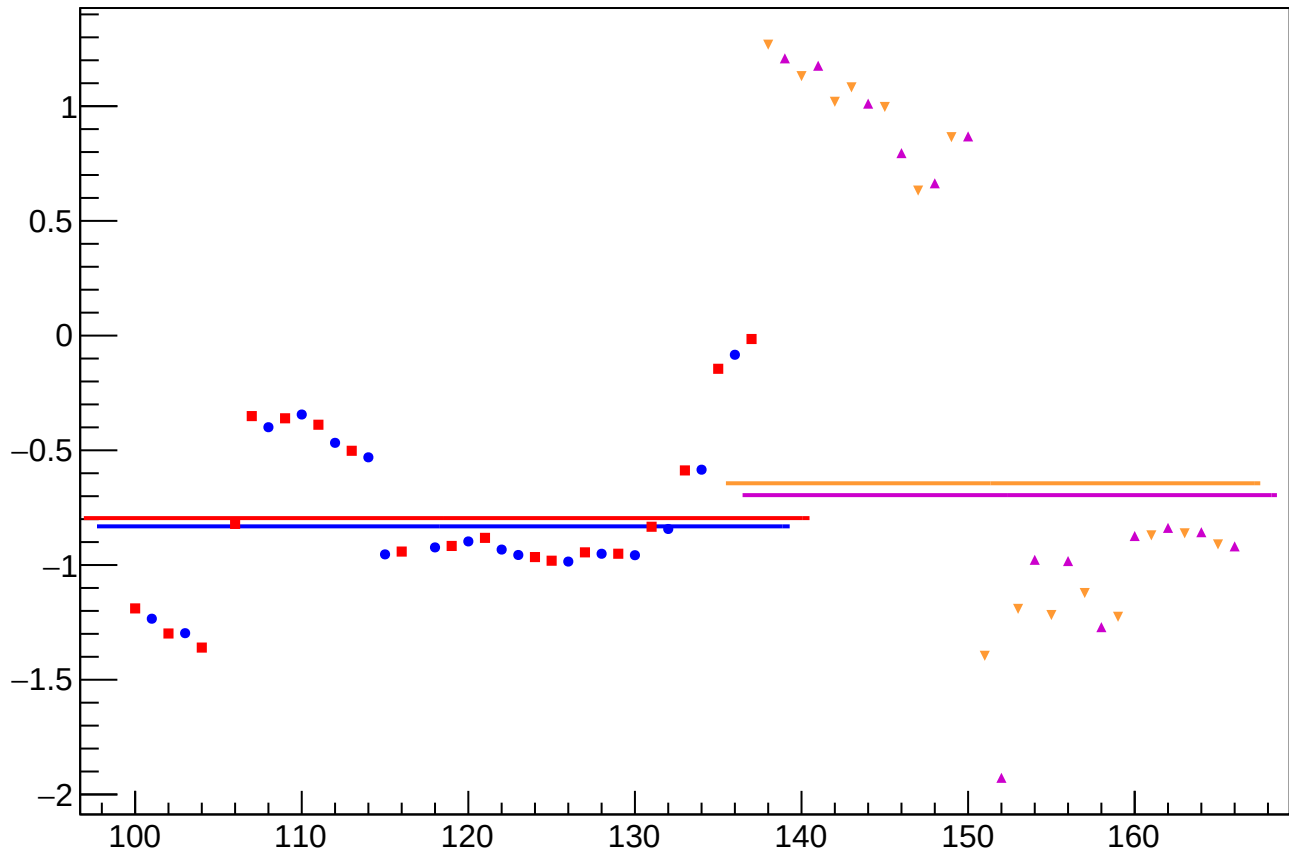
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 295225.5/13

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 937973.0/31

All: 0.008 $\pm$ 0.000 χ^2/NDF : 1915591.9/64

- sign 0.008 $\pm$ 0.000 χ^2/NDF : 977594.2/32

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.644 ± 0.000 χ^2/NDF : 110985802196.3/14

Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

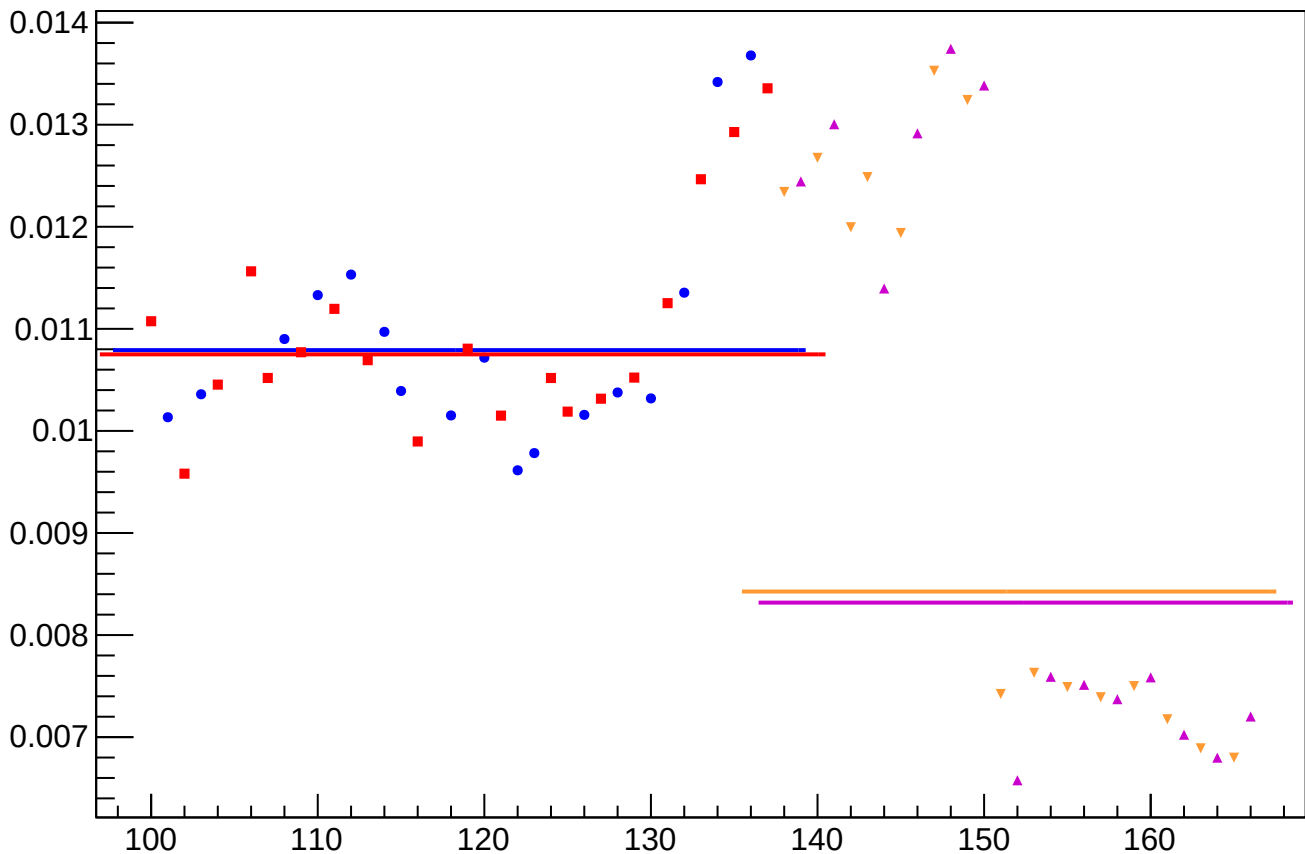
Left In: -0.695 ± 0.000 χ^2/NDF : 118580154410.1/13

+ sign -0.697 ± 0.000 χ^2/NDF : 119103751108.7/31

All: -0.711 ± 0.000 χ^2/NDF : 246006344745.6

- sign -0.725 ± 0.000 χ^2/NDF : 126824023687.1/32

yield_bpm0i01X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 125802.4/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1396672.1/14

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 90220.8/18

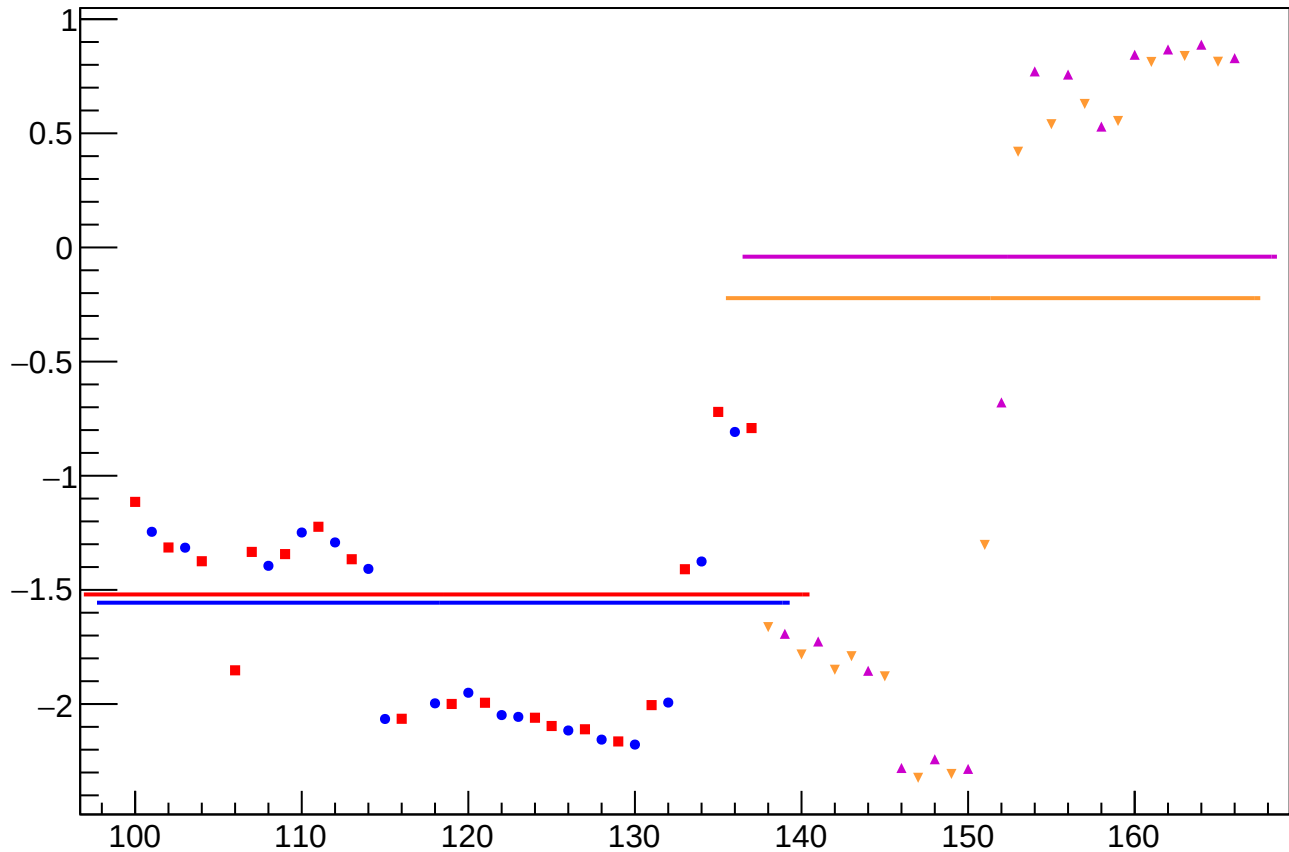
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1490954.3/13

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1974895.9/31

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4054783.1/64

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2079117.5/32

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: -0.222+/-0.000 χ^2/NDF : 1891826708825.5/14

Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

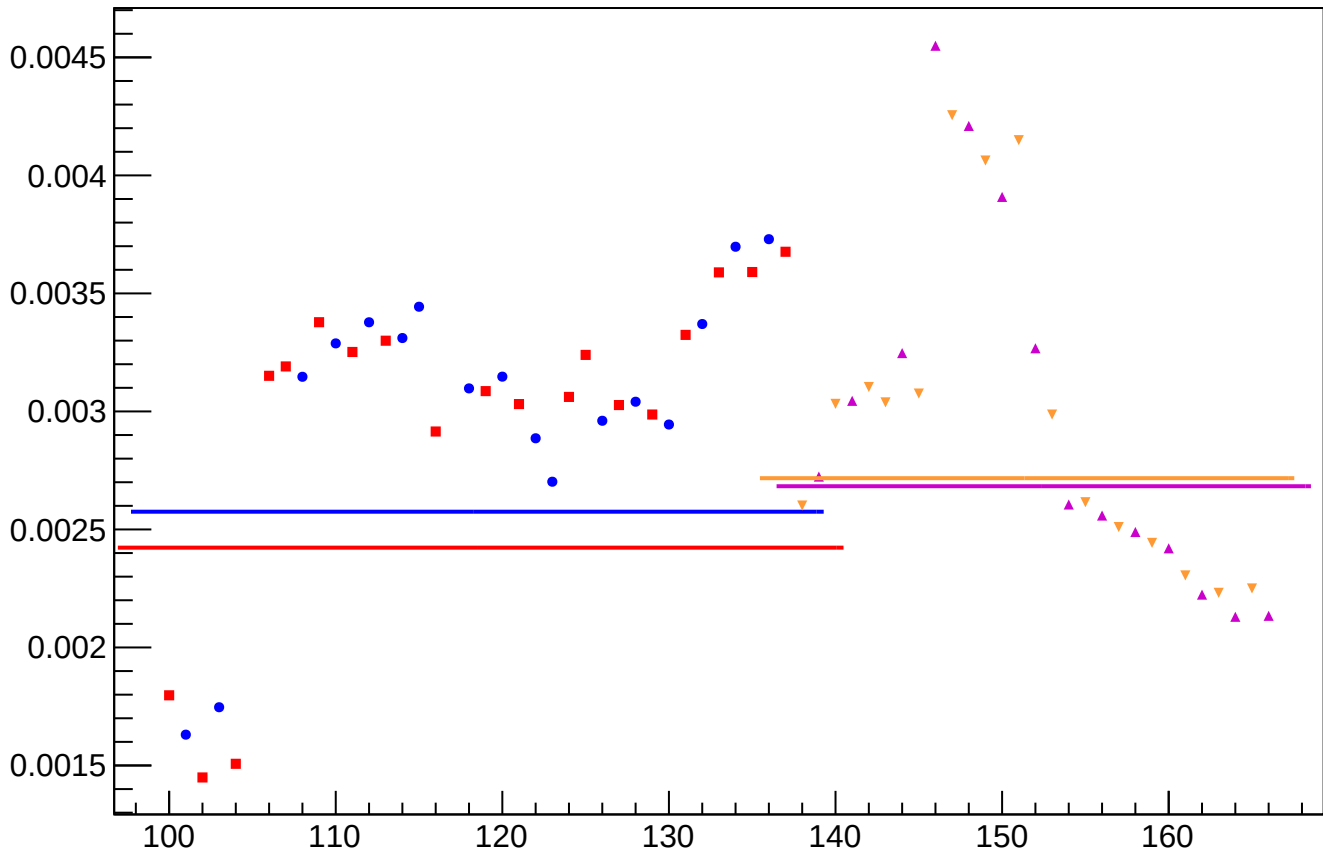
Left In: -0.040+/-0.000 χ^2/NDF : 1874634787867.3/13

+ sign -0.754+/-0.000 χ^2/NDF : 2960291441638.9/3

All: -0.714+/-0.000 χ^2/NDF : 6185055809099

- sign -0.677+/-0.000 χ^2/NDF : 3218243586402.3/32

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 : 693797.3/14

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

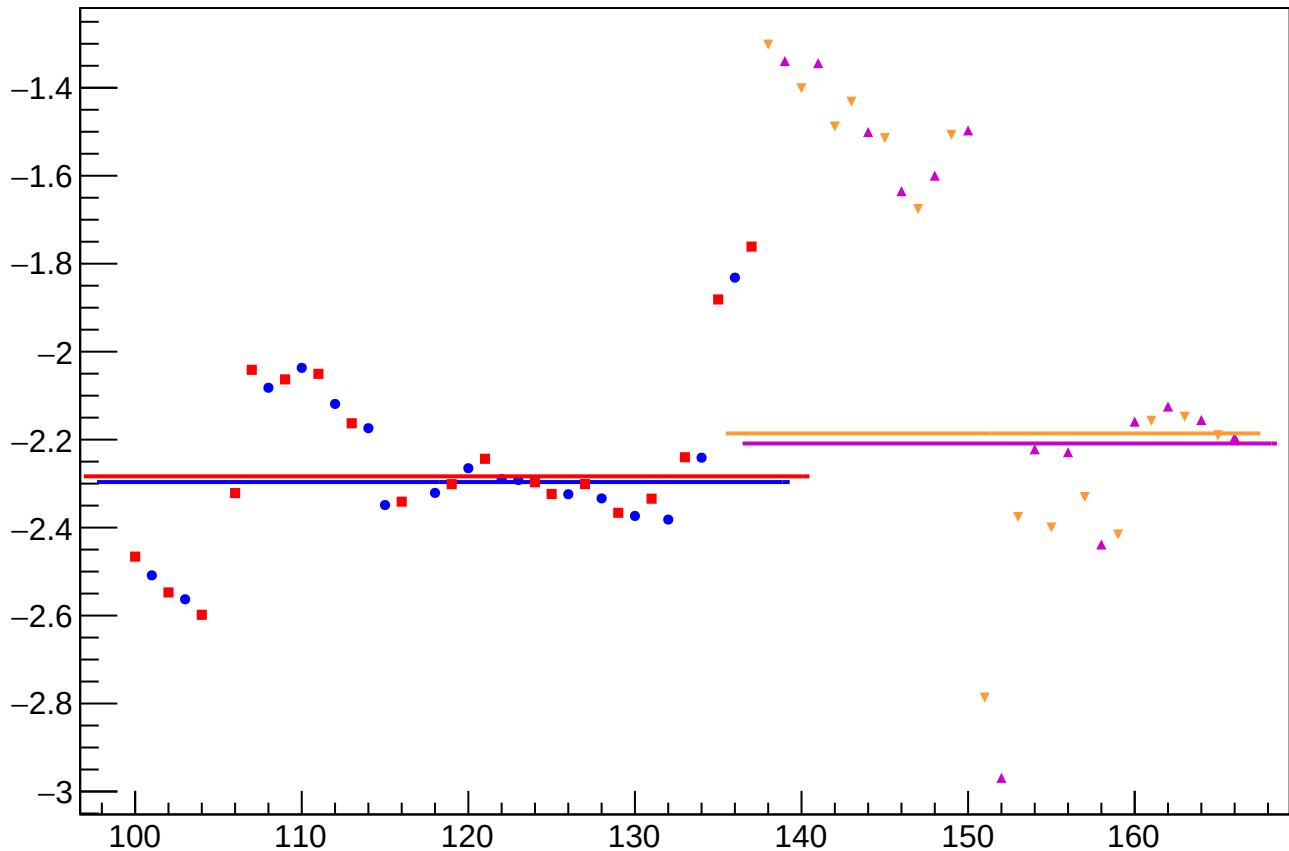
Left In: 0.003+/-0.000 χ^2/NDF : 824914.5/13

+ sign 0.003+/-0.000 χ^2/NDF : 1728320.0/31

All: 0.003+/-0.000 χ^2/NDF : 4135406.4/64

- sign 0.003+/-0.000 χ^2/NDF : 2389585.4/32

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 : 51016642322.4/14

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

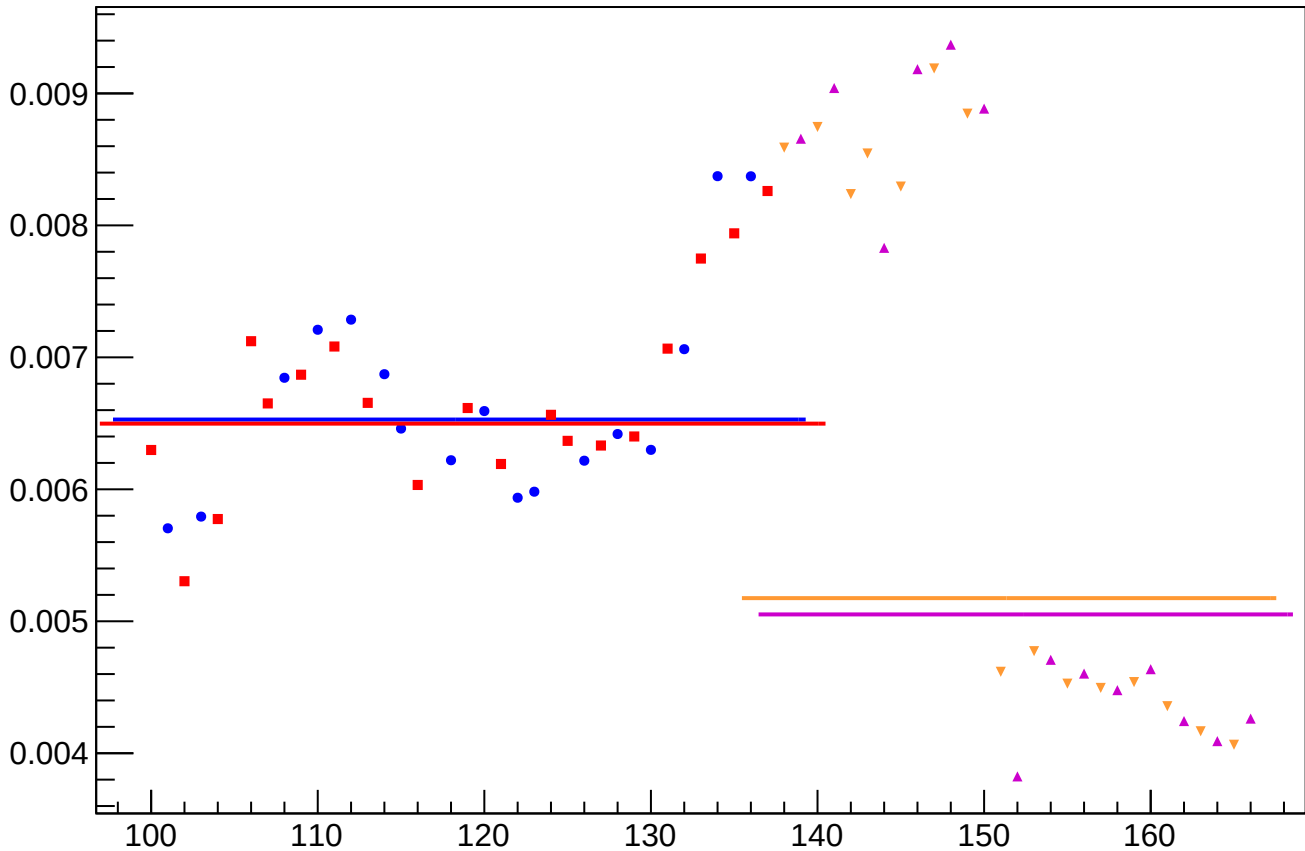
Left In: -2.209+/-0.000 χ^2/NDF : 66246605978.2/13

+ sign -2.219+/-0.000 χ^2/NDF : 58105895562.1/31

All: -2.225+/-0.000 χ^2/NDF : 131568776862.2

- sign -2.231+/-0.000 χ^2/NDF : 73419666688.5/32

yield_bpm0i01aX_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 176467.7/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:1902729.7/14

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 164144.2/18

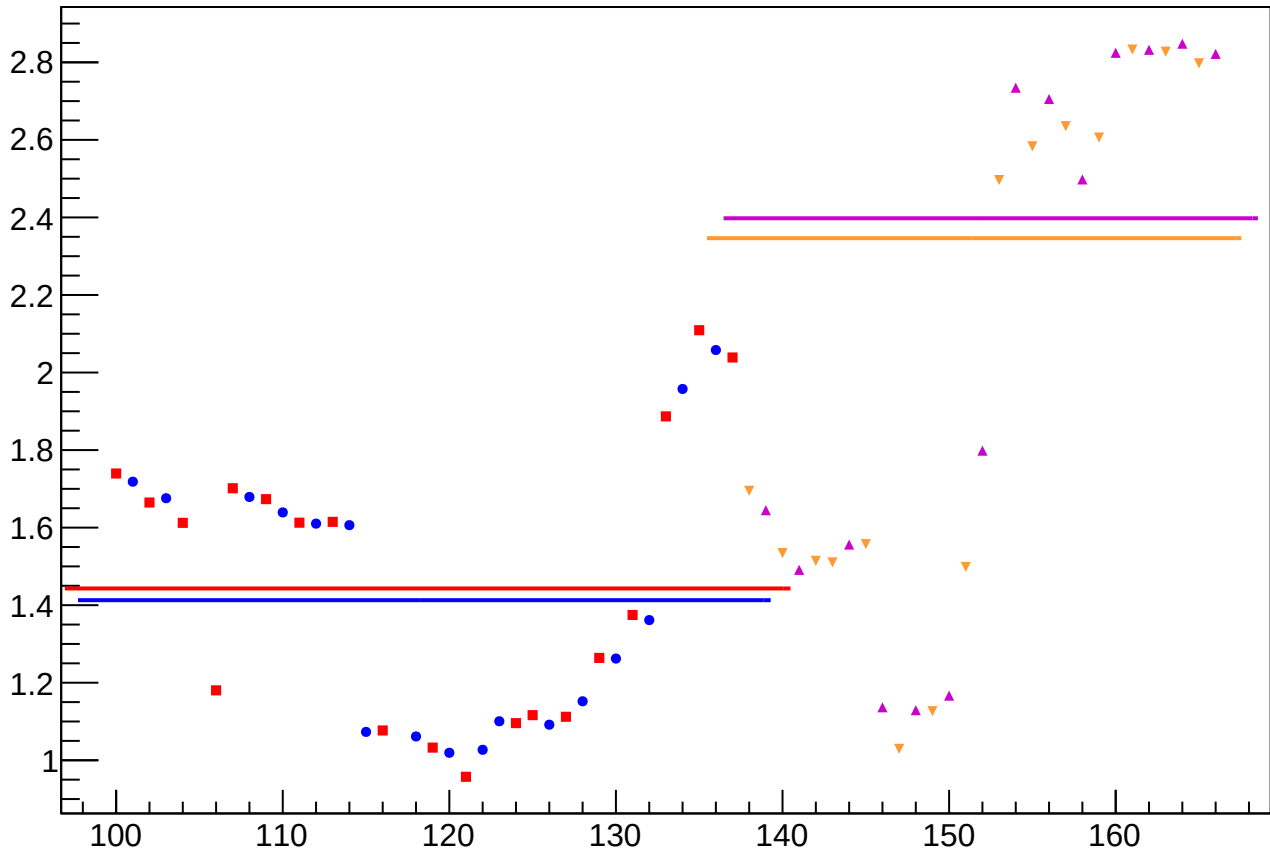
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:2060736.7/13

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2470969.0/31

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 5167381.4/64

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2692750.9/32

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.347+/-0.000 χ^2/NDF : 208819655350.8/14

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

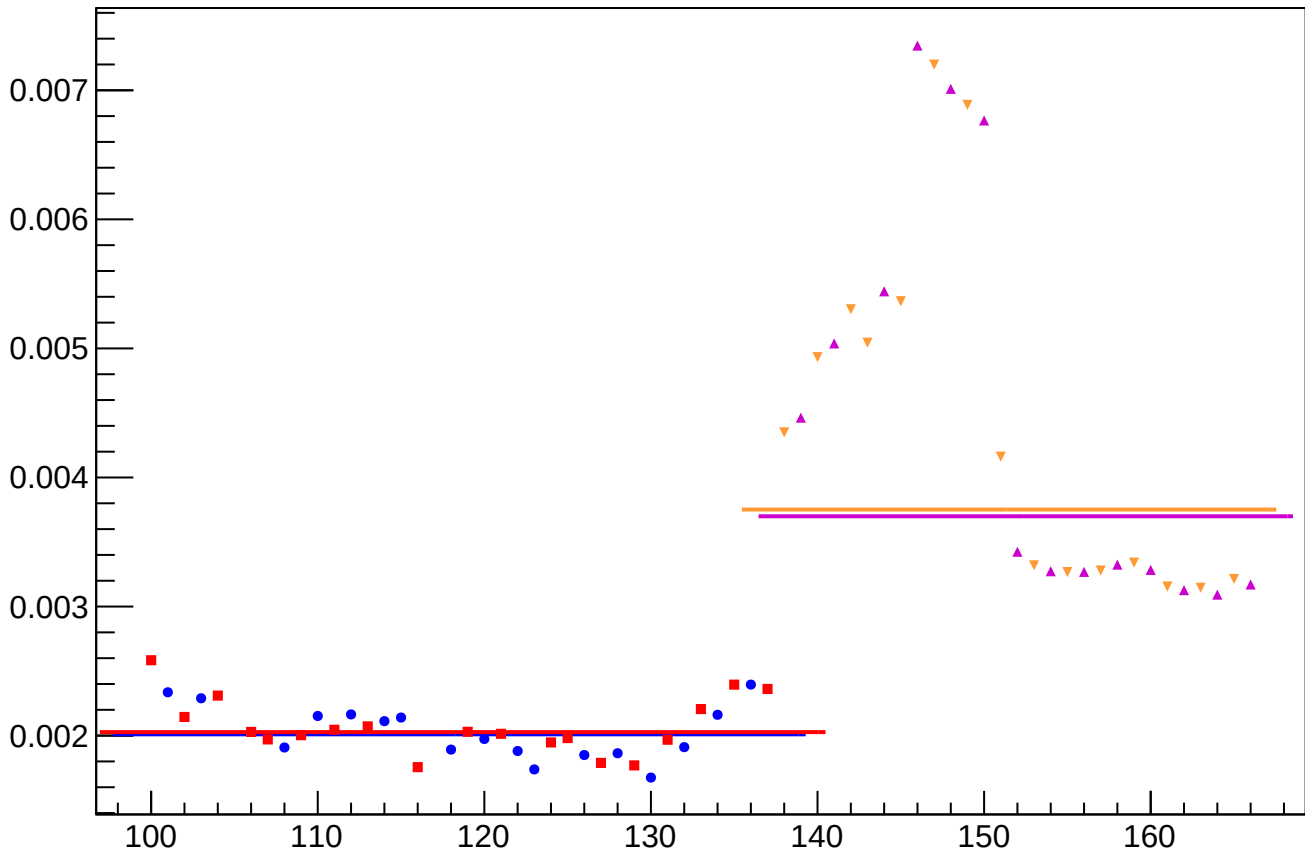
Left In: 2.398+/-0.000 χ^2/NDF : 216631243739.9/13

+ sign 1.702+/-0.000 χ^2/NDF : 794170406745.4/31

All: 1.717+/-0.000 χ^2/NDF : 1618905292718.

- sign 1.731+/-0.000 χ^2/NDF : 823815301060.9/32

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: 1196864.1/14

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 103926.2/18

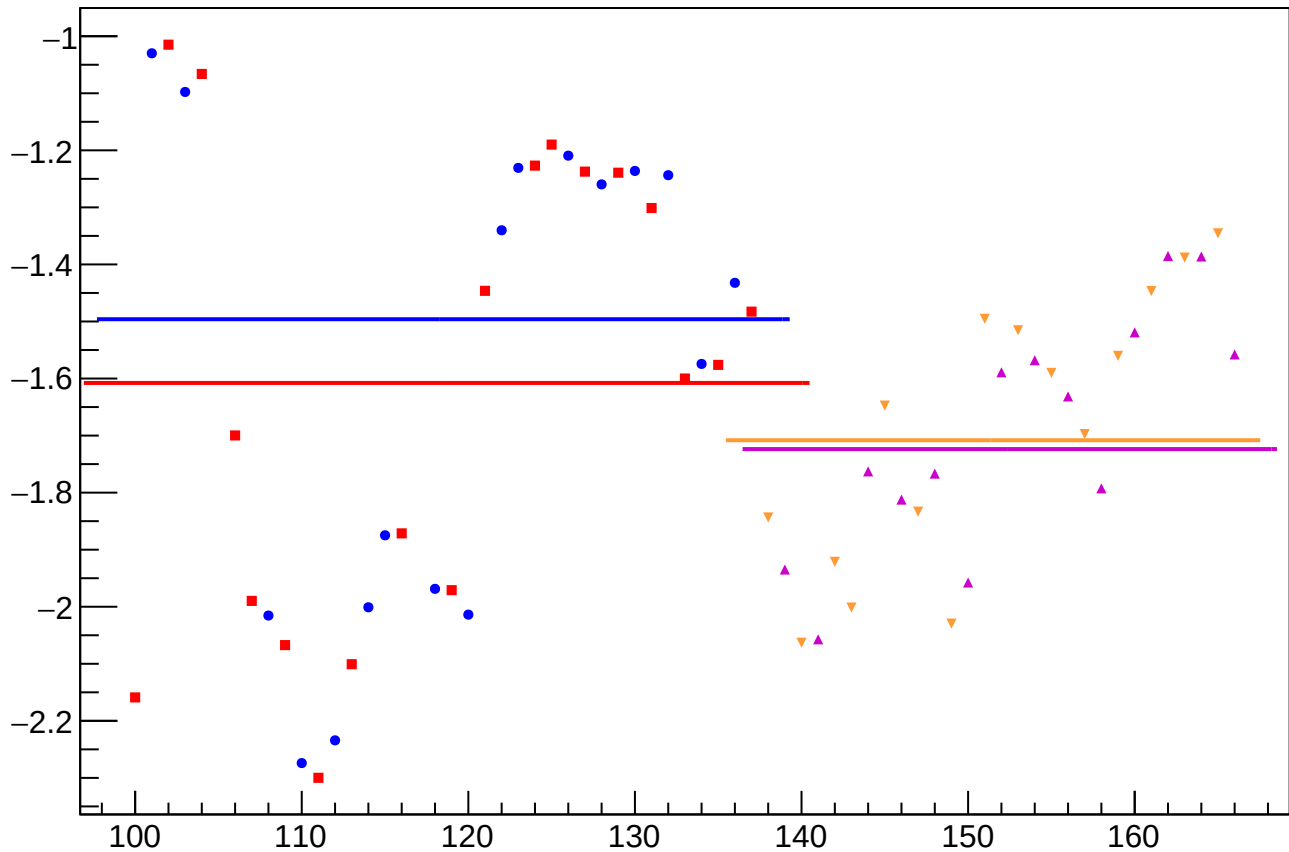
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1415523.2/13

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4221886.2/31

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 8404214.9/64

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4181544.1/32

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.708+/-0.000 χ^2/NDF : 15083860733.7/14

Right Out: -1.608+/-0.000 χ^2/NDF : 27836461057.4/18

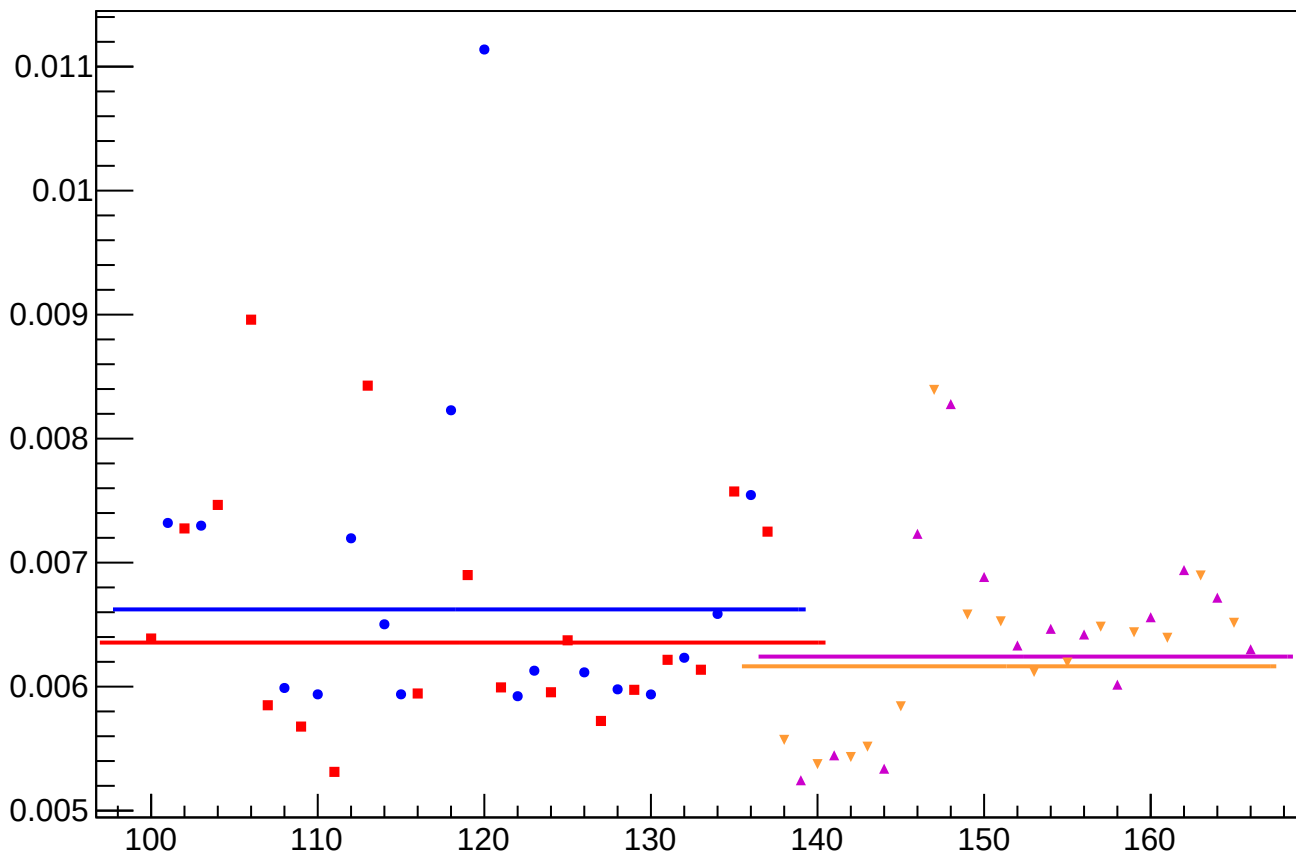
Left In: -1.724+/-0.000 χ^2/NDF : 10634784927.7/13

+ sign -1.637+/-0.000 χ^2/NDF : 41752591604.7/31

All: -1.658+/-0.000 χ^2/NDF : 81937122485.3/32

- sign -1.679+/-0.000 χ^2/NDF : 39815847992.5/32

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 :223381.2/14

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 227861.1/18

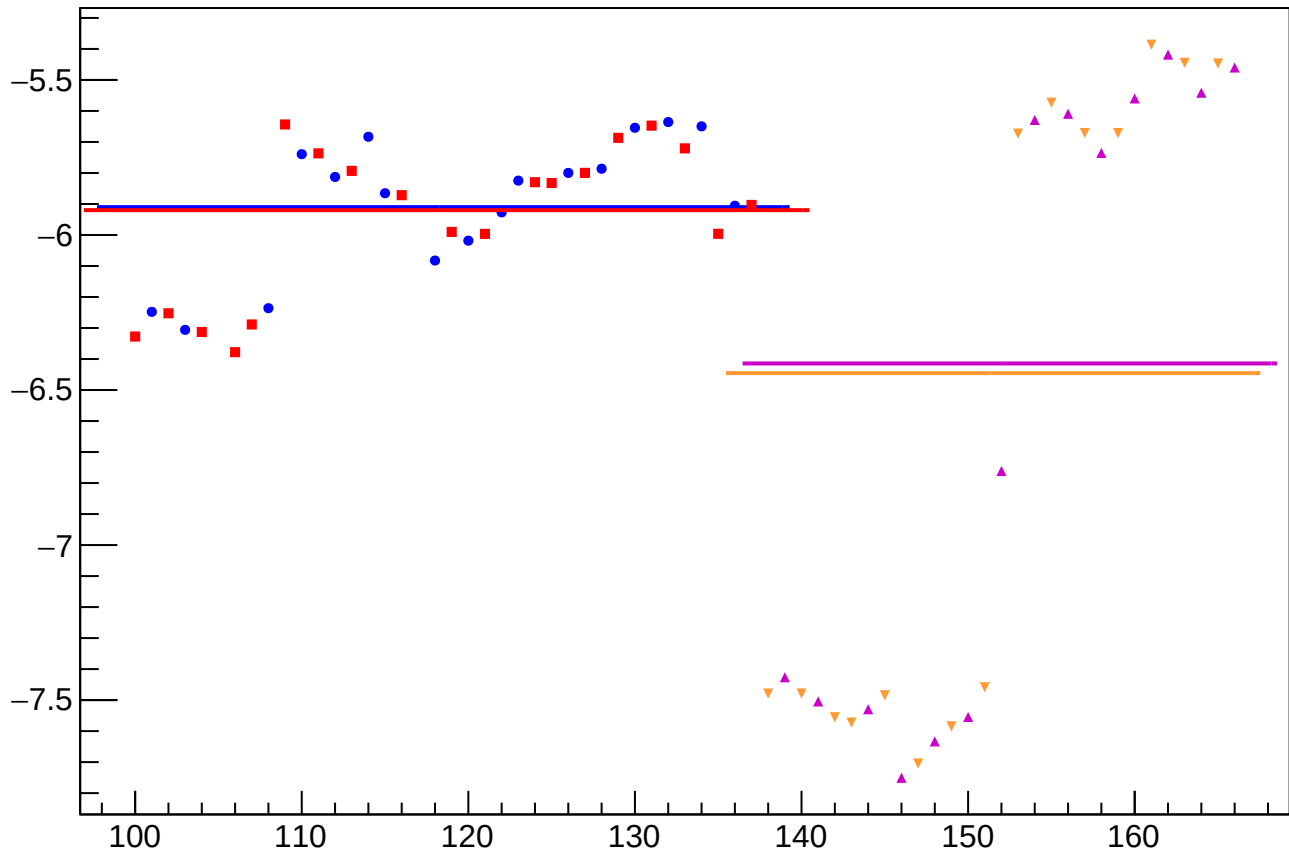
Left In: 0.006 $\pm$ 0.000 χ^2/NDF :286907.3/13

+ sign 0.006 $\pm$ 0.000 χ^2/NDF : 494807.8/31

All: 0.006 $\pm$ 0.000 χ^2/NDF : 1012570.1/64

- sign 0.006 $\pm$ 0.000 χ^2/NDF : 517324.8/32

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.445+/-0.000 χ^2/NDF : 148095171505.1/14

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

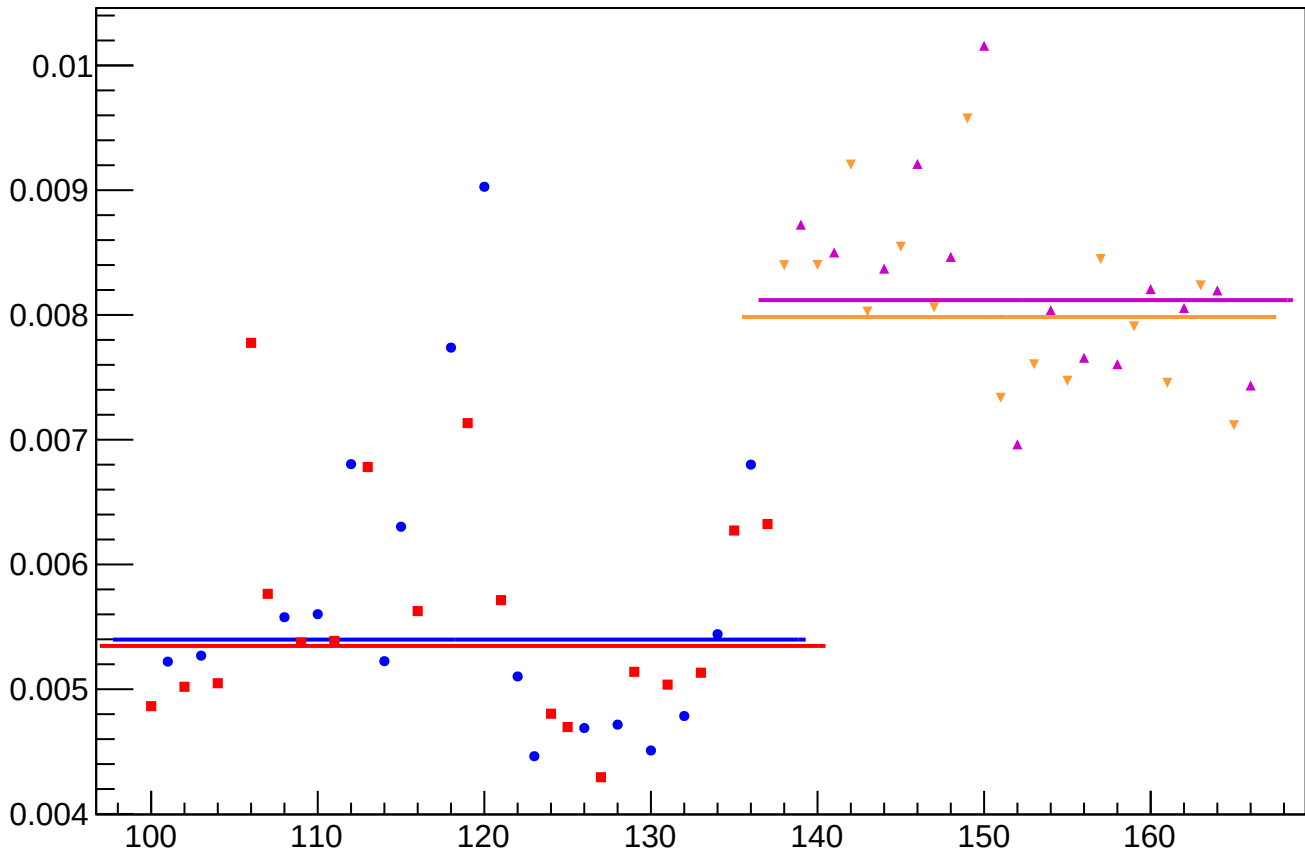
Left In: -6.414+/-0.000 χ^2/NDF : 127346489136.2/13

+ sign -6.138+/-0.000 χ^2/NDF : 183991409930.5/31

All: -6.126+/-0.000 χ^2/NDF : 345730657619.8

- sign -6.115+/-0.000 χ^2/NDF : 161644928878.6/32

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 371347.4/16

Left Out: 0.008+/-0.000 χ^2/NDF :112149.6/14

Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

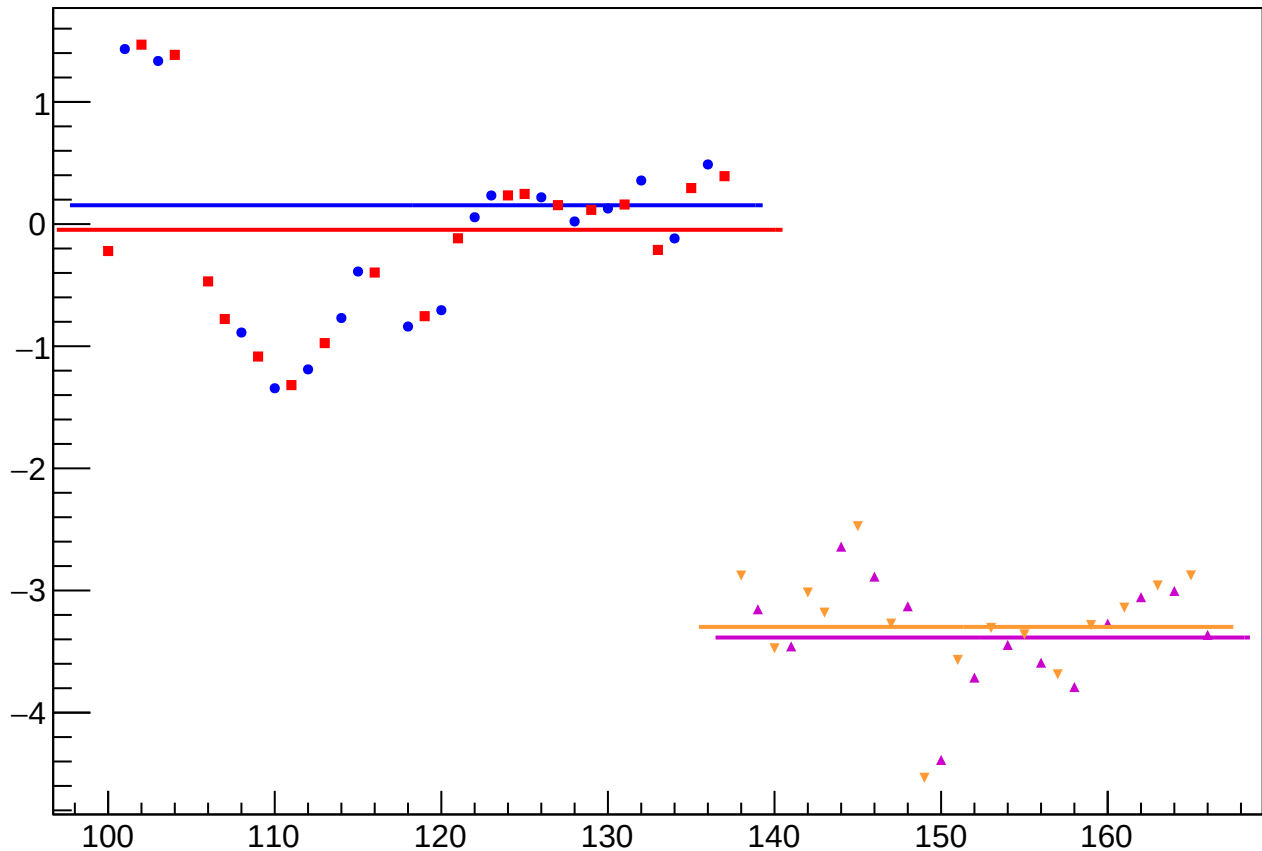
Left In: 0.008+/-0.000 χ^2/NDF :150988.8/13

+ sign 0.006+/-0.000 χ^2/NDF : 1638039.3/31

All: 0.006+/-0.000 χ^2/NDF : 3391836.0/64

- sign 0.006+/-0.000 χ^2/NDF : 1752647.9/32

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.298+/-0.000 χ^2/NDF : 7928781198.0/14

Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

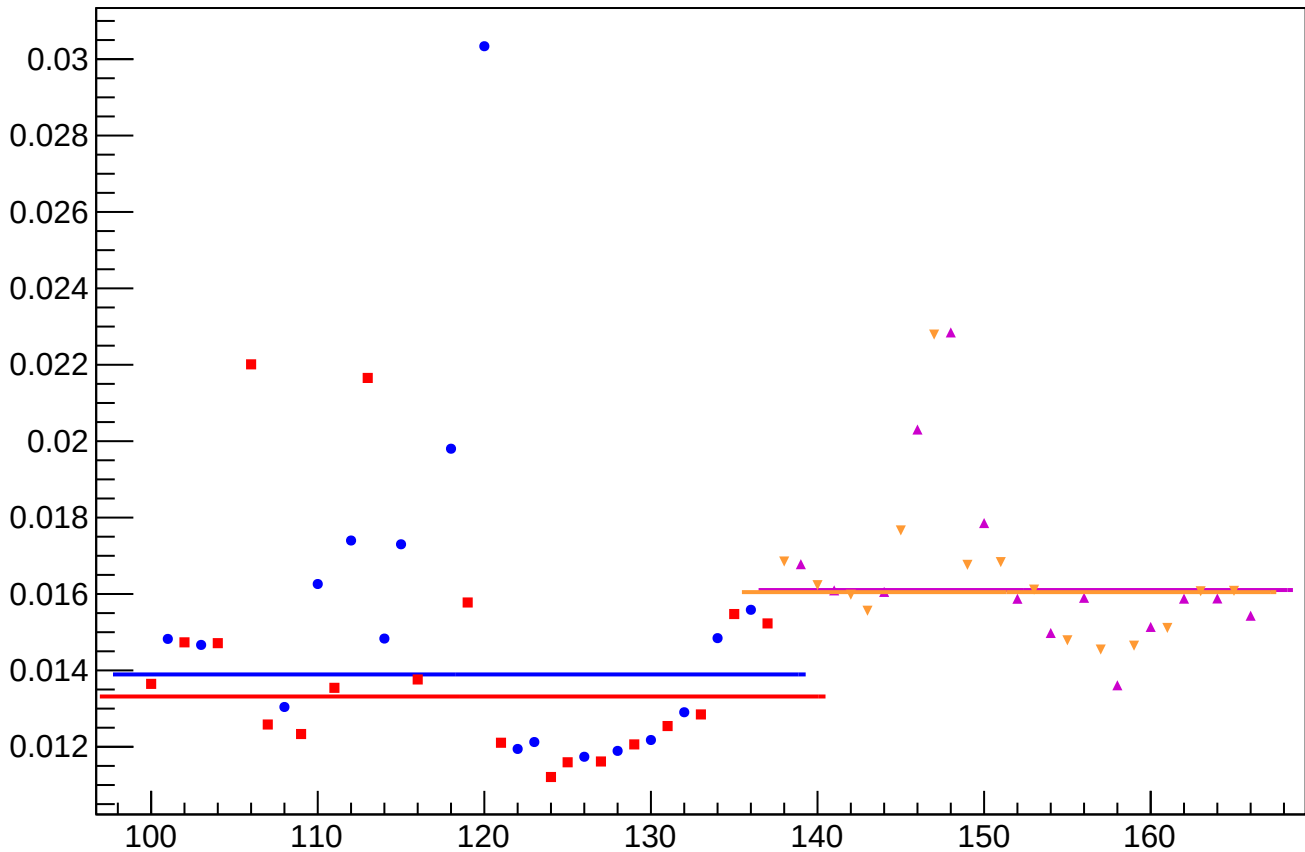
Left In: -3.385+/-0.000 χ^2/NDF : 6850052239.2/13

+ sign -1.817+/-0.000 χ^2/NDF : 233654818632.5/31

All: -1.799+/-0.000 χ^2/NDF : 472725108553.5

- sign -1.782+/-0.000 χ^2/NDF : 239024144552.4/32

yield_bpm0l02X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 400569.4/16

Left Out: 0.016 $\pm$ 0.000 χ^2 /NDF:194154.2/14

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 291358.0/18

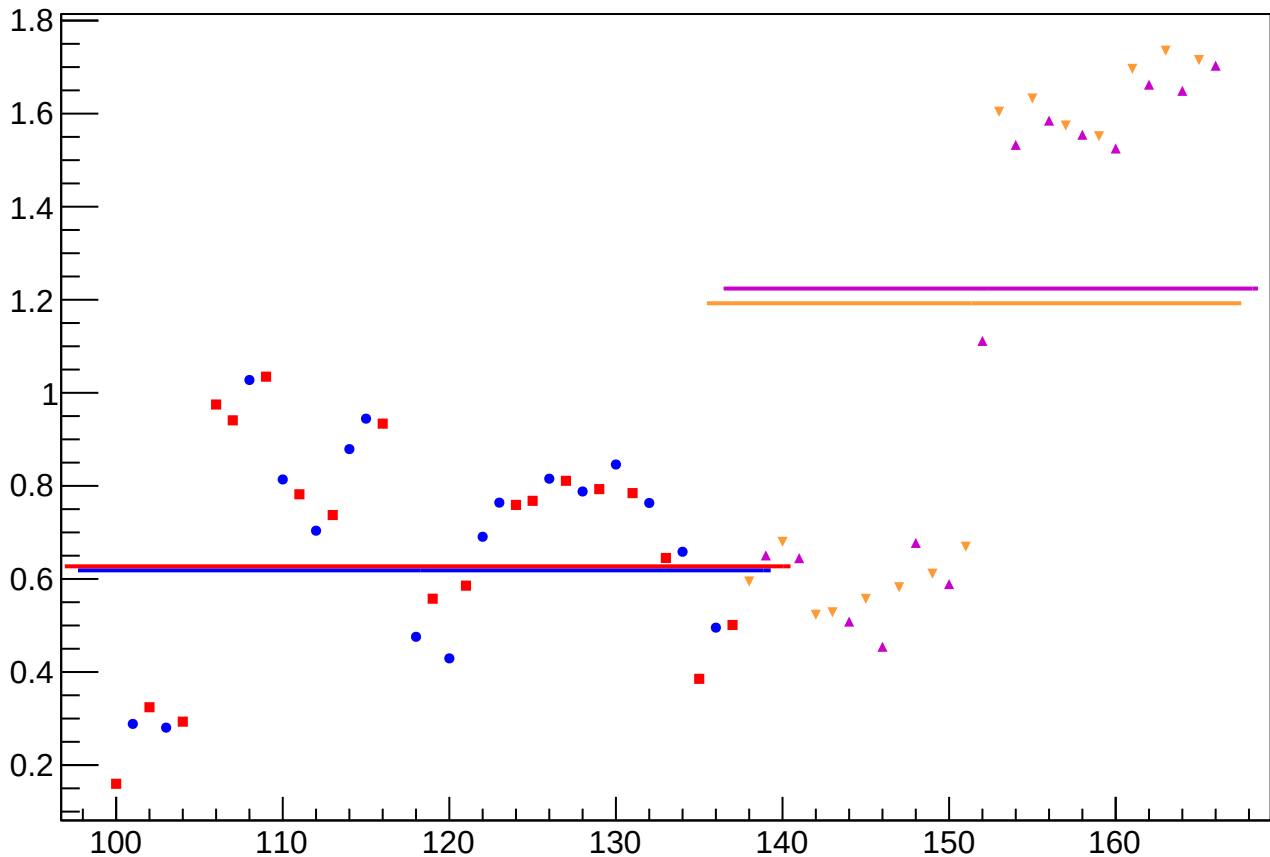
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:277016.8/13

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 757331.4/31

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 1629255.3/64

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 862419.1/32

yield_bpm0l02Y_mean vs Slug



Right In: 0.619 $\pm$ 0.000 χ^2 /NDF: 5416939288.1/16

Left Out: 1.192 $\pm$ 0.000 χ^2 /NDF: 58546448304.2/14

Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6337935219.4/18

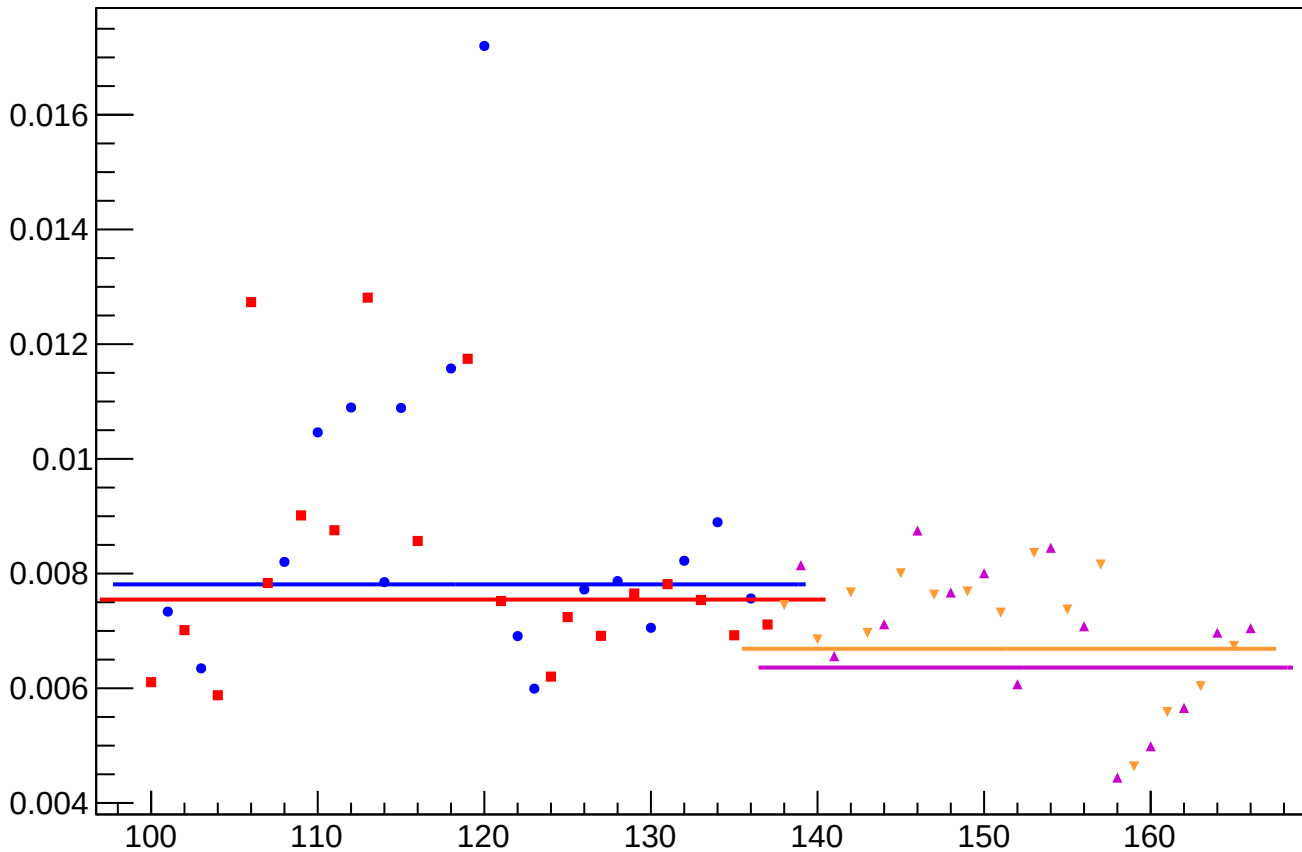
Left In: 1.224 $\pm$ 0.000 χ^2 /NDF: 50847046797.2/13

+ sign 1.019 $\pm$ 0.000 χ^2 /NDF: 85853140420.7/31

All: 1.029 $\pm$ 0.000 χ^2 /NDF: 169758926033.6

- sign 1.038 $\pm$ 0.000 χ^2 /NDF: 83843569655.7/32

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 : 615378.9/14

Right Out: 0.008+/-0.000 χ^2/NDF : 441823.4/18

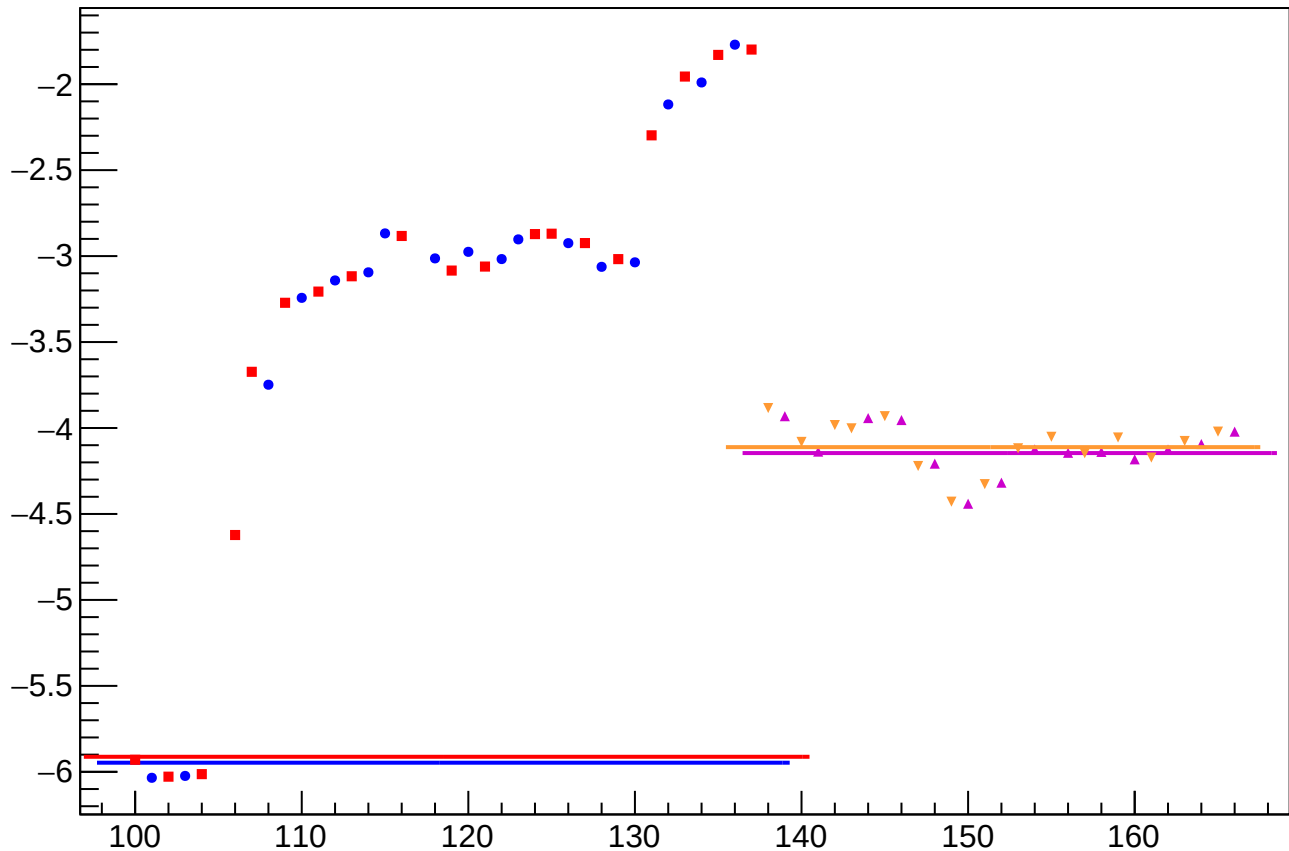
Left In: 0.006+/-0.000 χ^2/NDF : 857420.7/13

+ sign 0.007+/-0.000 χ^2/NDF : 1249925.4/31

All: 0.007+/-0.000 χ^2/NDF : 2788987.5/64

- sign 0.007+/-0.000 χ^2/NDF : 1509685.7/32

yield_bpm0l03X_mean vs Slug



Right In: -5.947 ± 0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.111 ± 0.000 χ^2/NDF : 30287925.4/14

Right Out: -5.912 ± 0.000 χ^2/NDF : 14619971495.0/18

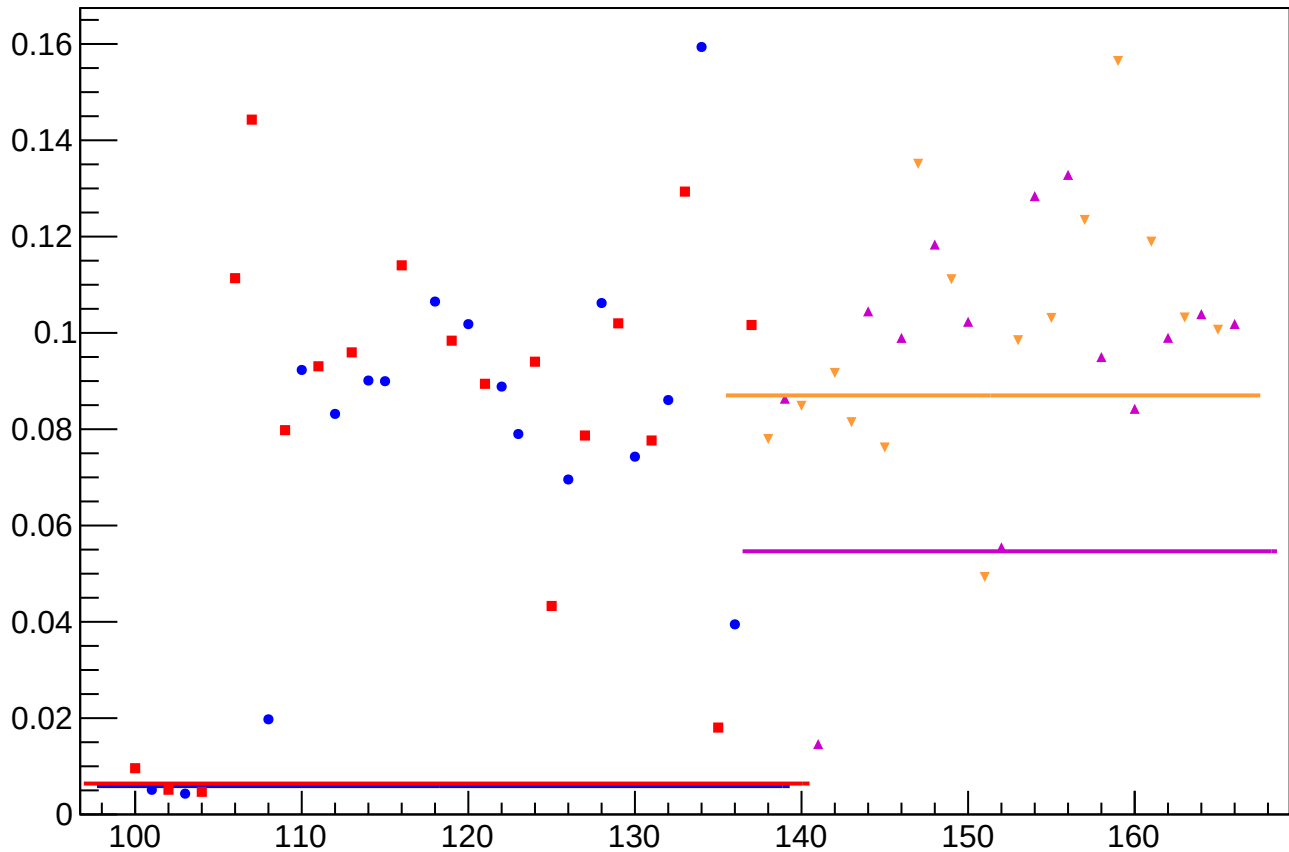
Left In: -4.146 ± 0.000 χ^2/NDF : 21953334.5/13

+ sign -5.902 ± 0.000 χ^2/NDF : 17068384031.5/31

All: -5.871 ± 0.000 χ^2/NDF : 37226713535.0/31

- sign -5.832 ± 0.000 χ^2/NDF : 20050396637.3/32

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7934545.2/16

Left Out: 0.087 $\pm$ 0.000 χ^2 /NDF:1549212.0/14

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8498586.9/18

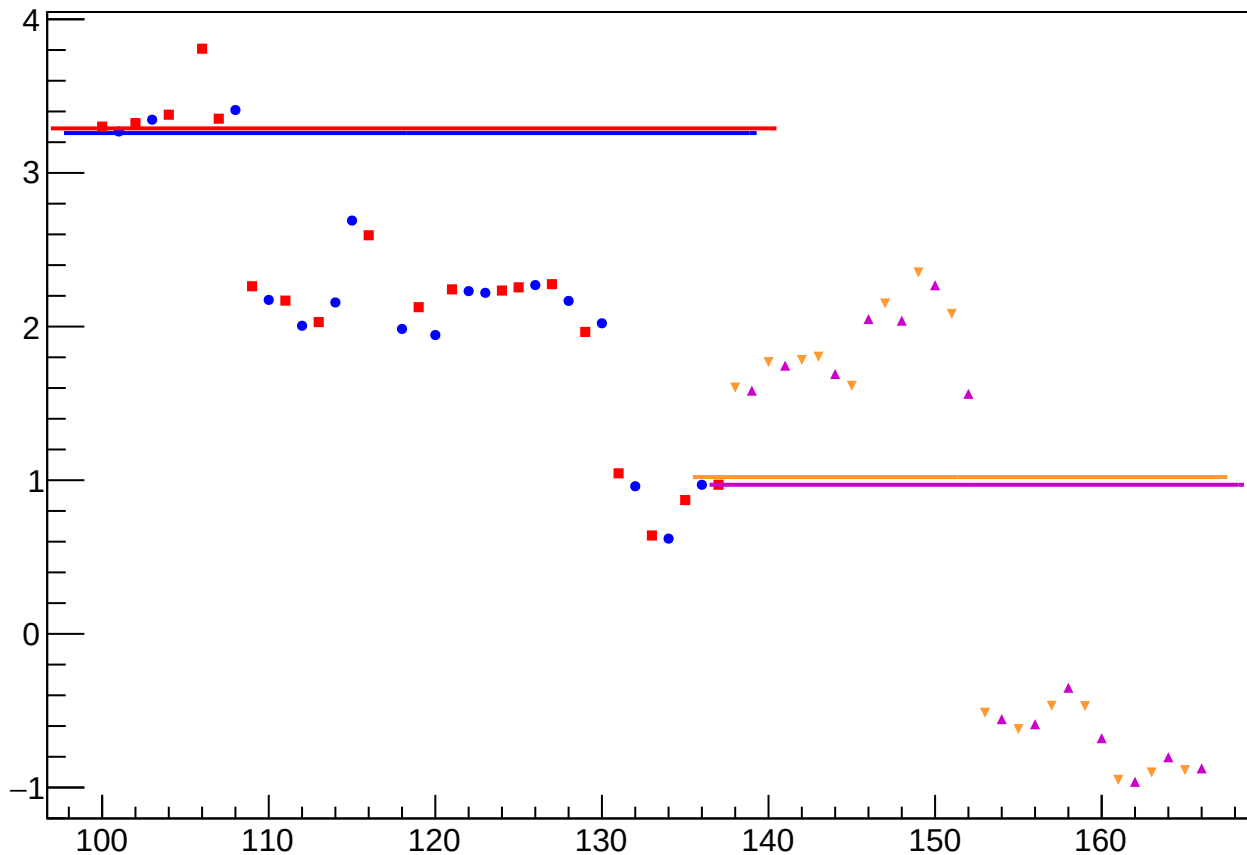
Left In: 0.055 $\pm$ 0.000 χ^2 /NDF:6340600.1/13

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 24610724.9/31

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 47537823.9/64

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 22902566.2/32

yield_bpm0l03Y_mean vs Slug



Right In: 3.259 $\pm$ 0.000 χ^2 /NDF: 2921931976.8/16

Left Out: 1.021 $\pm$ 0.000 χ^2 /NDF: 1679856943.4/14

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3262231575.5/18

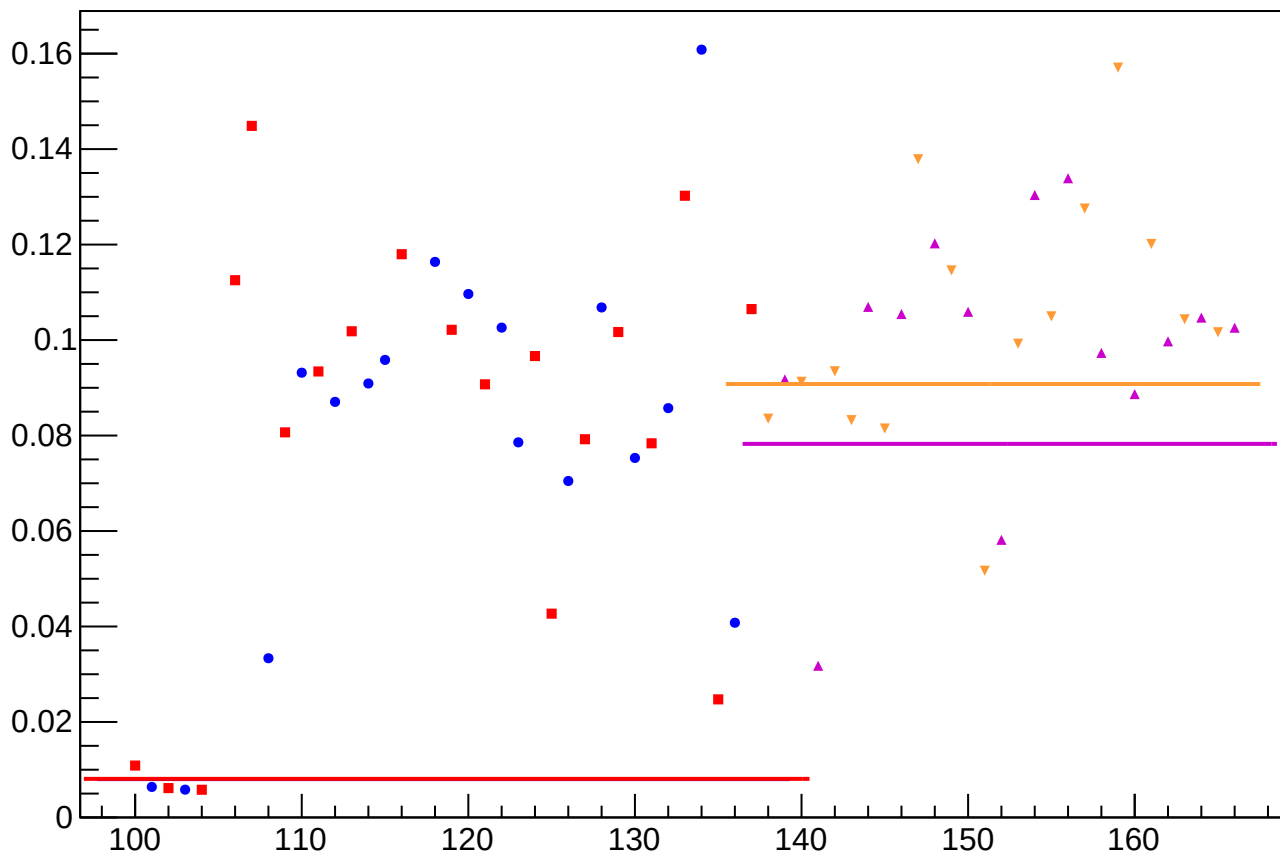
Left In: 0.970 $\pm$ 0.000 χ^2 /NDF: 1649324574.3/13

+ sign 3.178 $\pm$ 0.000 χ^2 /NDF: 9873544277.4/31

All: 3.183 $\pm$ 0.000 χ^2 /NDF: 20997407311.6/6

- sign 3.189 $\pm$ 0.000 χ^2 /NDF: 11122048122.8/32

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.091 $\pm$ 0.000 χ^2 /NDF:1405395.0/14

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

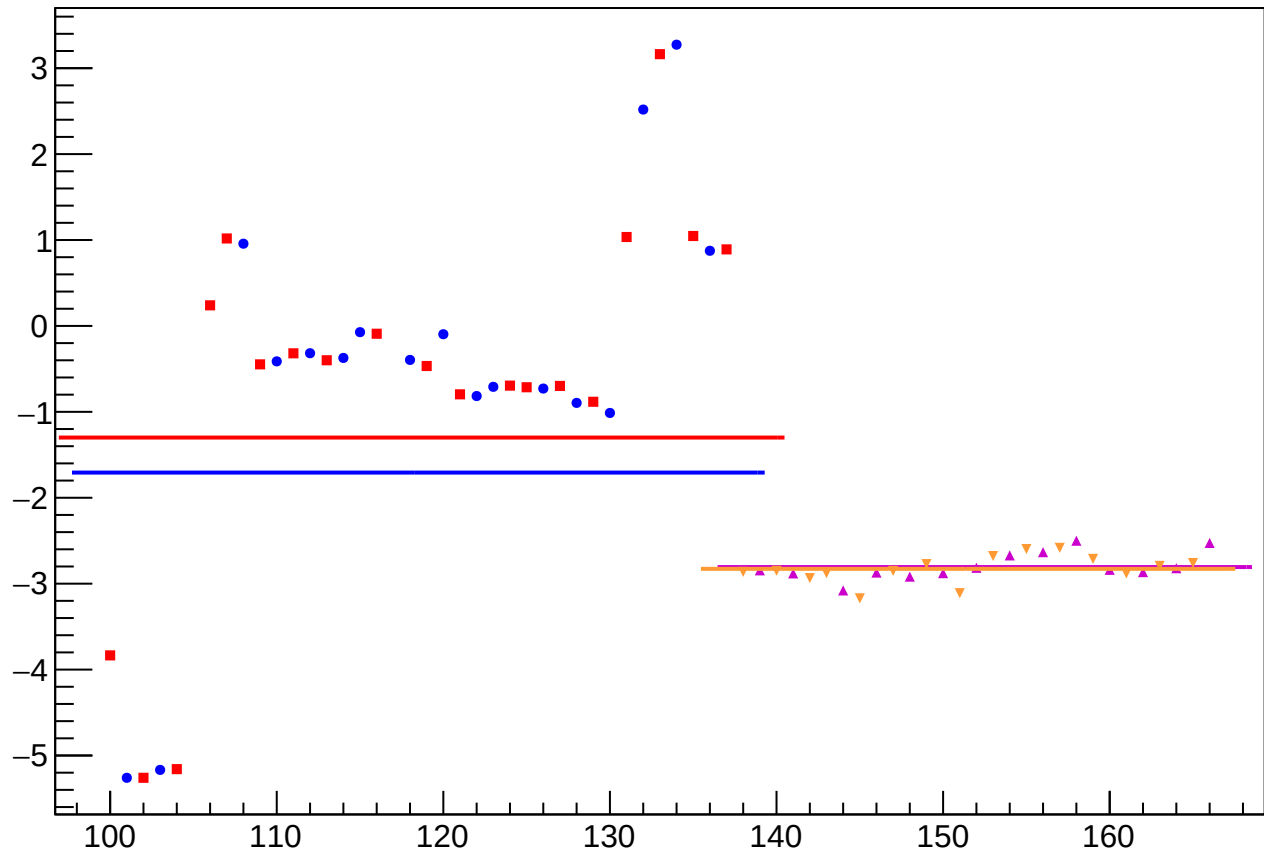
Left In: 0.078 $\pm$ 0.000 χ^2 /NDF:2745141.9/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 23554111.2/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 45975565.6/64

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 22421281.2/32

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.827+/-0.000 χ^2/NDF : 4408175850.1/14

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

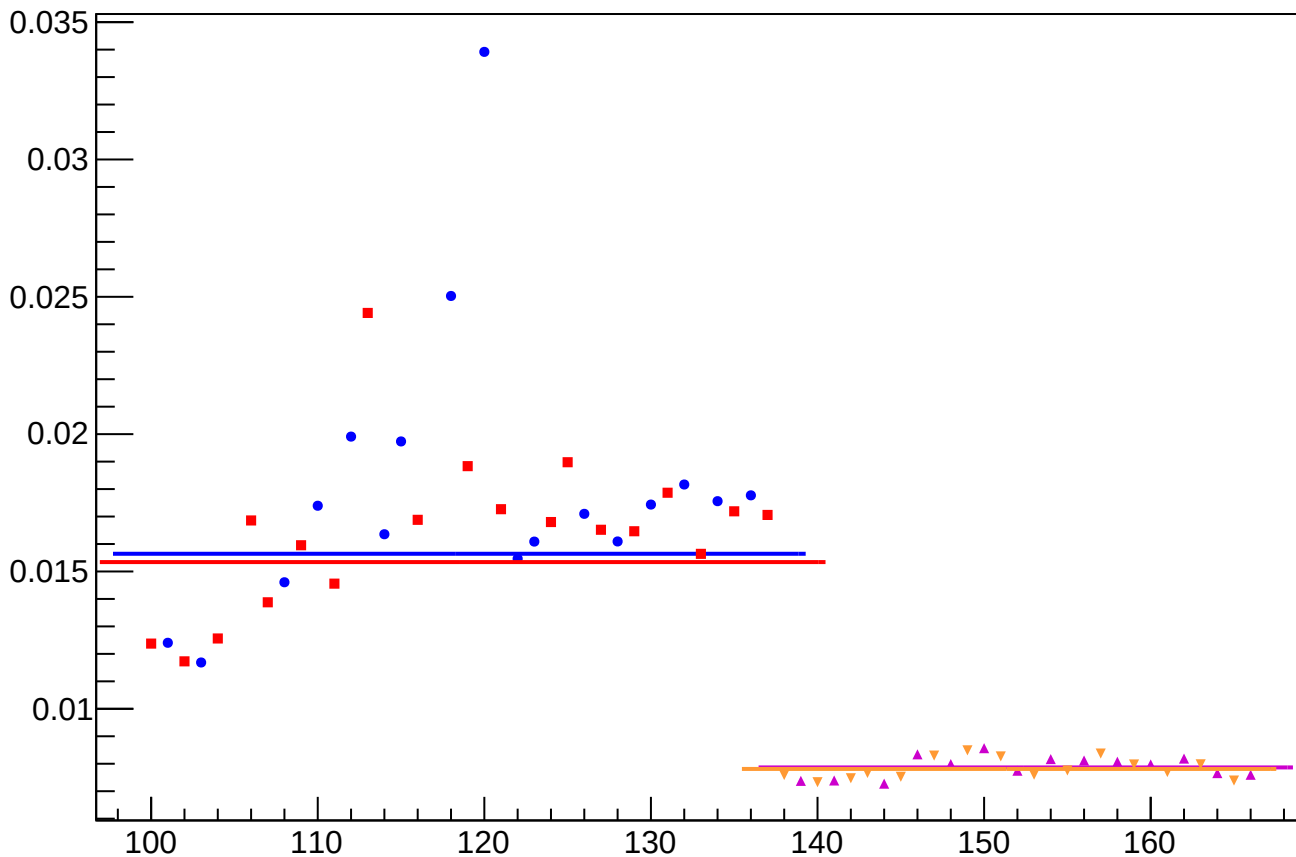
Left In: -2.807+/-0.000 χ^2/NDF : 3997940850.6/13

+ sign -2.696+/-0.000 χ^2/NDF : 195926177170.5/31

All: -2.649+/-0.000 χ^2/NDF : 430530227747.1

- sign -2.602+/-0.000 χ^2/NDF : 233732279489.6/32

yield_bpm0l04X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2/NDF : 578244.3/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 44495.9/14

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 353806.7/18

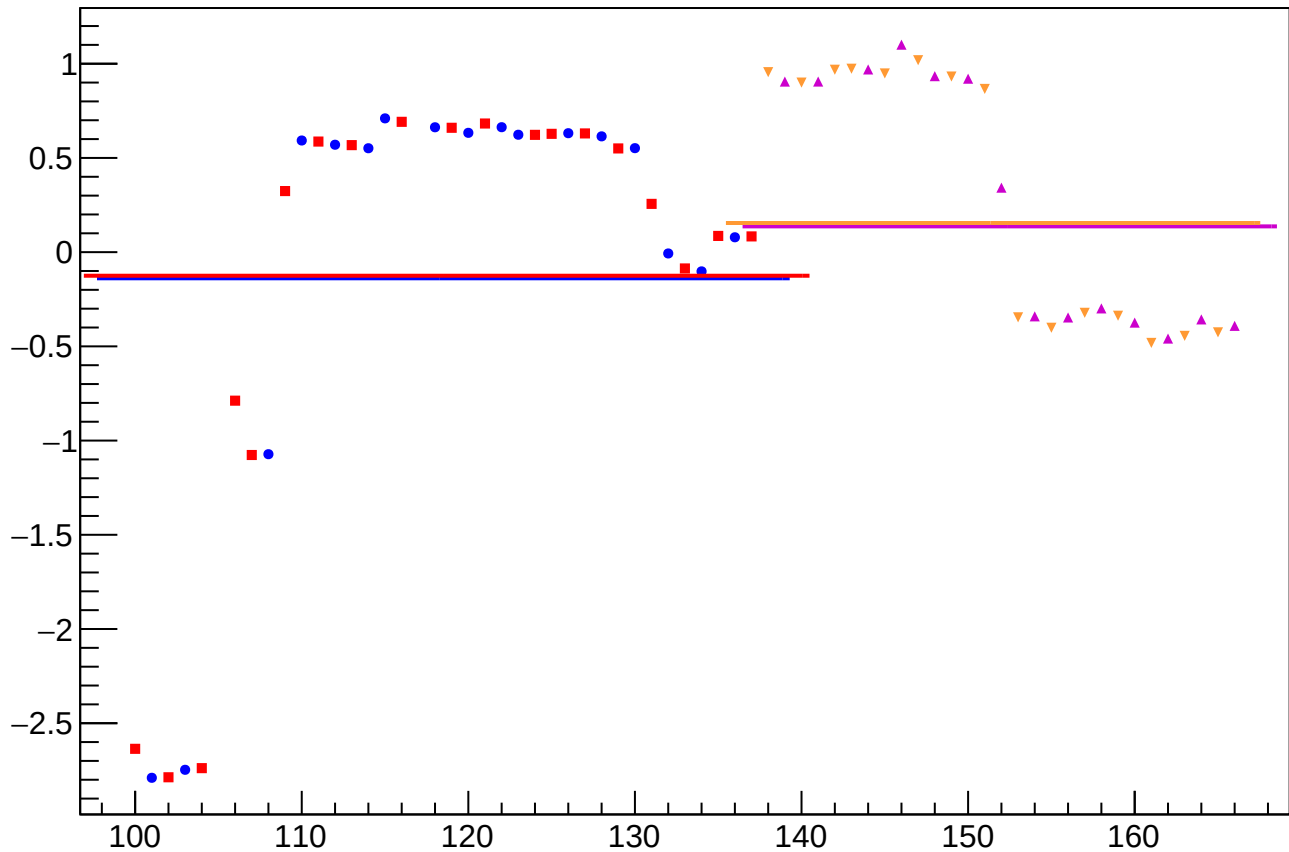
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 49752.9/13

+ sign 0.009 $\pm$ 0.000 χ^2/NDF : 3105398.5/31

All: 0.009 $\pm$ 0.000 χ^2/NDF : 6057575.3/64

- sign 0.009 $\pm$ 0.000 χ^2/NDF : 2947490.9/32

yield_bpm0l04Y_mean vs Slug



Right In: -0.139 ± 0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.155 ± 0.000 χ^2/NDF : 113330389394.0/14

Right Out: -0.125 ± 0.000 χ^2/NDF : 761496762534.7/18

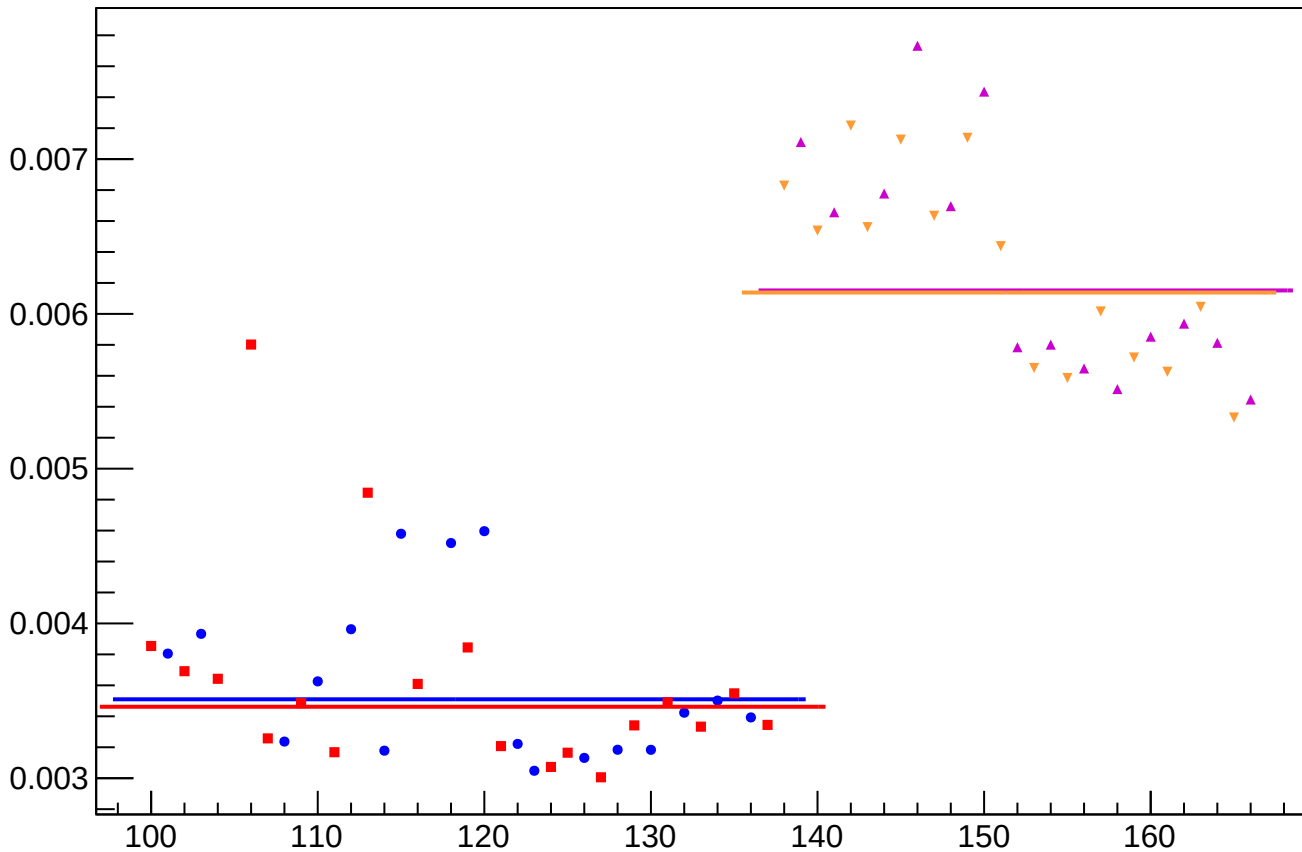
Left In: 0.137 ± 0.000 χ^2/NDF : 96265104173.0/13

+ sign -0.040 ± 0.000 χ^2/NDF : 843271327383.6/31

All: -0.041 ± 0.000 χ^2/NDF : 1713183817654

- sign -0.042 ± 0.000 χ^2/NDF : 869909638274.3/32

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 : 175428.0/14

Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

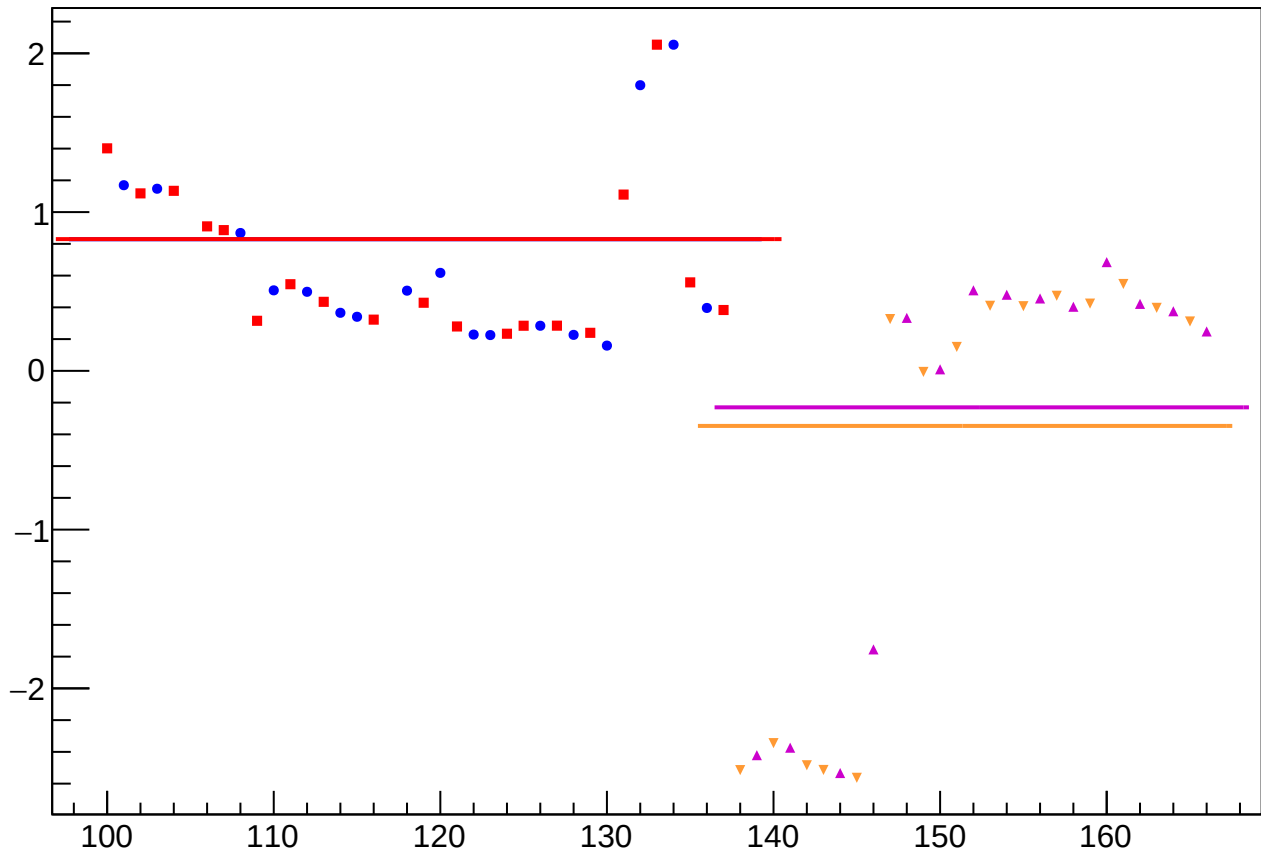
Left In: 0.006+/-0.000 χ^2/NDF : 223507.8/13

+ sign 0.004+/-0.000 χ^2/NDF : 2735609.0/31

All: 0.004+/-0.000 χ^2/NDF : 5743209.3/64

- sign 0.004+/-0.000 χ^2/NDF : 3001809.9/32

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31718573821.2/16

Left Out: -0.347+/-0.000 χ^2/NDF : 443714986873.4/14

Right Out: 0.830+/-0.000 χ^2/NDF : 33335665437.8/18

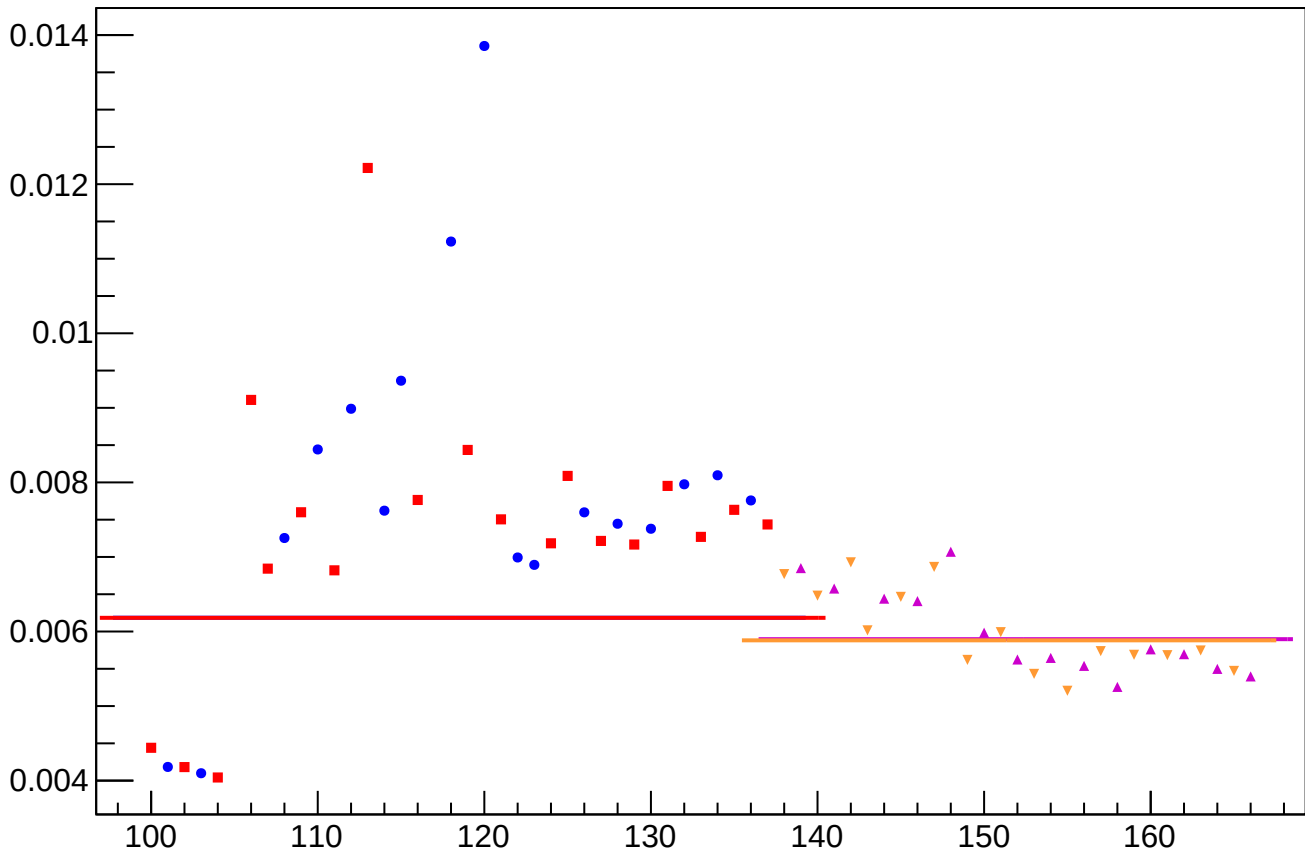
Left In: -0.230+/-0.000 χ^2/NDF : 384628515600.0/13

+ sign 0.029+/-0.000 χ^2/NDF : 606079686102.2/31

All: 0.082+/-0.000 χ^2/NDF : 1138455054407.

- sign 0.134+/-0.000 χ^2/NDF : 529979022062.7/32

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 : 145768.5/14

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

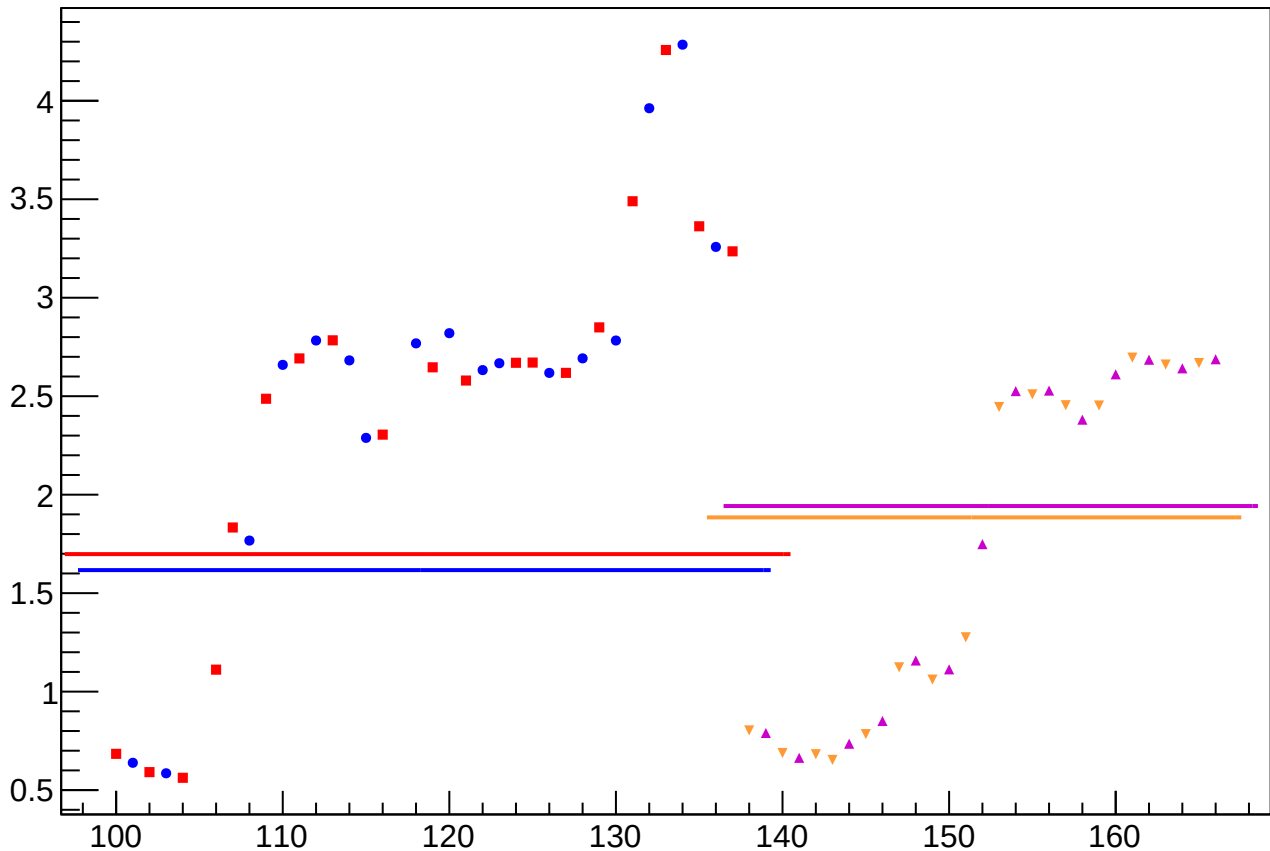
Left In: 0.006+/-0.000 χ^2/NDF : 157658.1/13

+ sign 0.006+/-0.000 χ^2/NDF : 1392096.9/31

All: 0.006+/-0.000 χ^2/NDF : 2593067.1/64

- sign 0.006+/-0.000 χ^2/NDF : 1200844.0/32

yield_bpm0l05Y_mean vs Slug



Right In: 1.617 $\pm$ 0.000 χ^2 /NDF: 202886791000.7/16

Left Out: 1.885 $\pm$ 0.000 χ^2 /NDF: 226694873587.0/14

Right Out: 1.698 $\pm$ 0.000 χ^2 /NDF: 227408345801.7/18

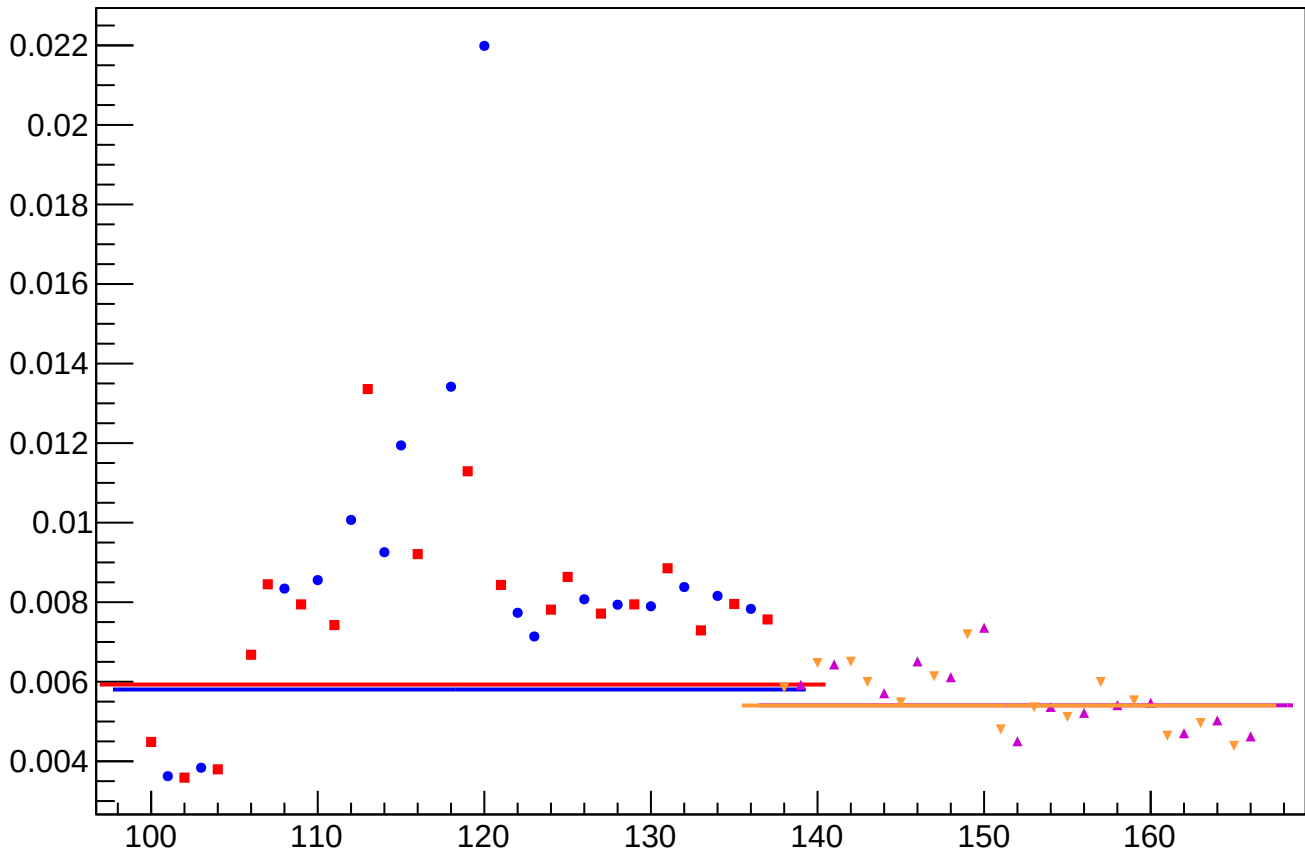
Left In: 1.942 $\pm$ 0.000 χ^2 /NDF: 202730597189.9/13

+ sign 1.803 $\pm$ 0.000 χ^2 /NDF: 436728317518.4/31

All: 1.834 $\pm$ 0.000 χ^2 /NDF: 873961642762.0

- sign 1.865 $\pm$ 0.000 χ^2 /NDF: 436337667430.7/32

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 327364.9/14

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

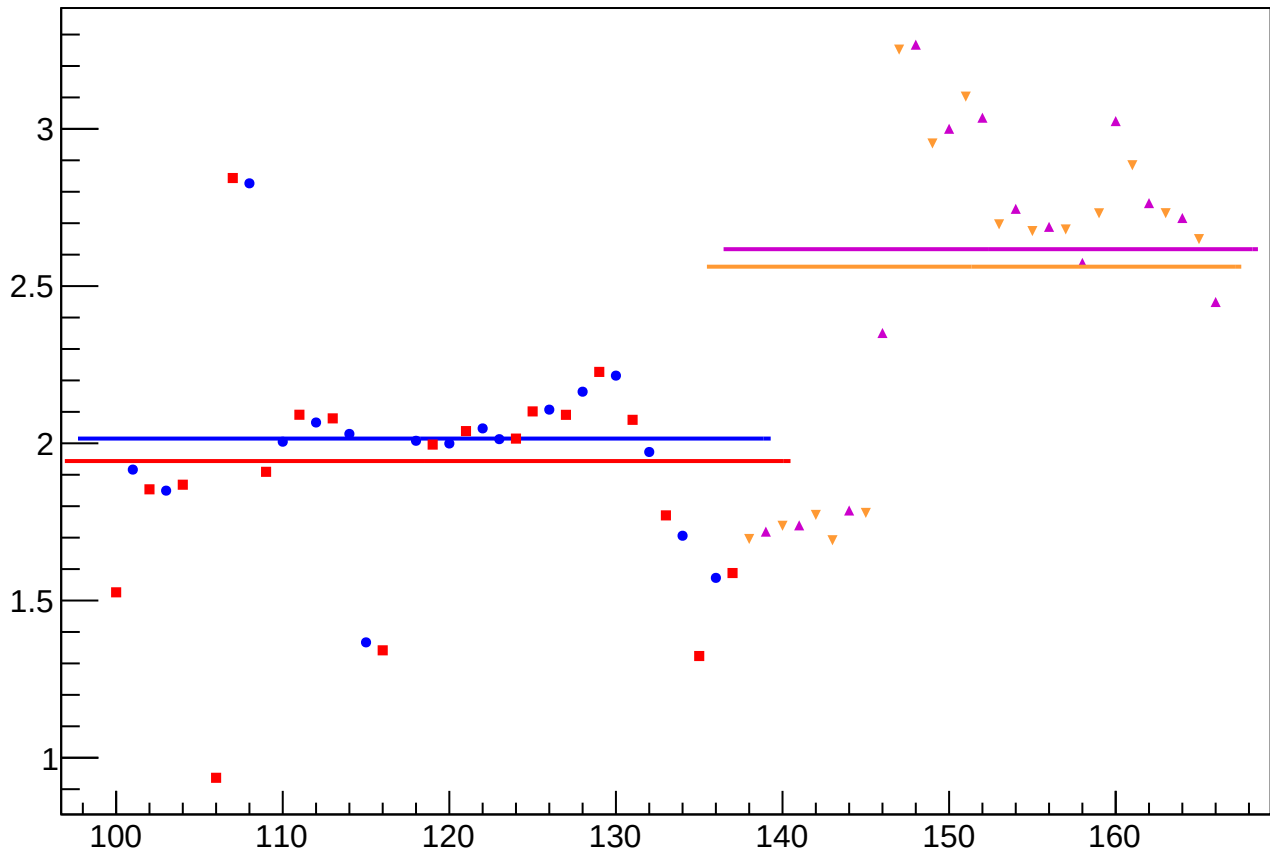
Left In: 0.005+/-0.000 χ^2/NDF : 340109.0/13

+ sign 0.006+/-0.000 χ^2/NDF : 2277648.5/31

All: 0.006+/-0.000 χ^2/NDF : 4361150.7/64

- sign 0.006+/-0.000 χ^2/NDF : 2082376.7/32

yield_bpm0l06X_mean vs Slug



Right In: 2.015 $\pm$ 0.000 χ^2 /NDF: 12228403202.6/16

Left Out: 2.562 $\pm$ 0.000 χ^2 /NDF: 48105251758.5/14

Right Out: 1.944 $\pm$ 0.000 χ^2 /NDF: 21427099579.0/18

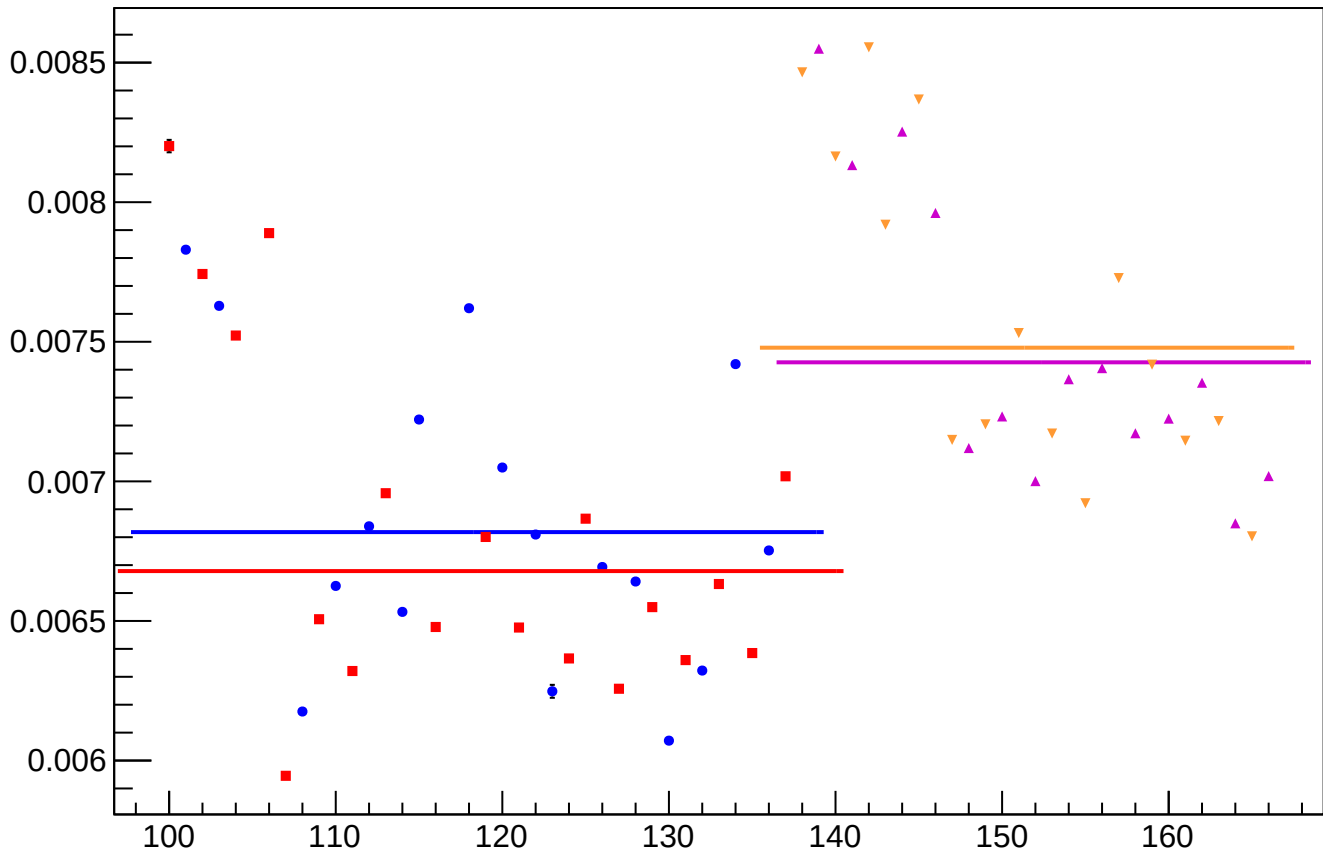
Left In: 2.617 $\pm$ 0.000 χ^2 /NDF: 40909442307.9/13

+ sign 2.331 $\pm$ 0.000 χ^2 /NDF: 83930730217.1/31

All: 2.323 $\pm$ 0.000 χ^2 /NDF: 184454092730.8

- sign 2.316 $\pm$ 0.000 χ^2 /NDF: 100486616944.6/32

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 75813.9/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:98058.3/14

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 75718.4/18

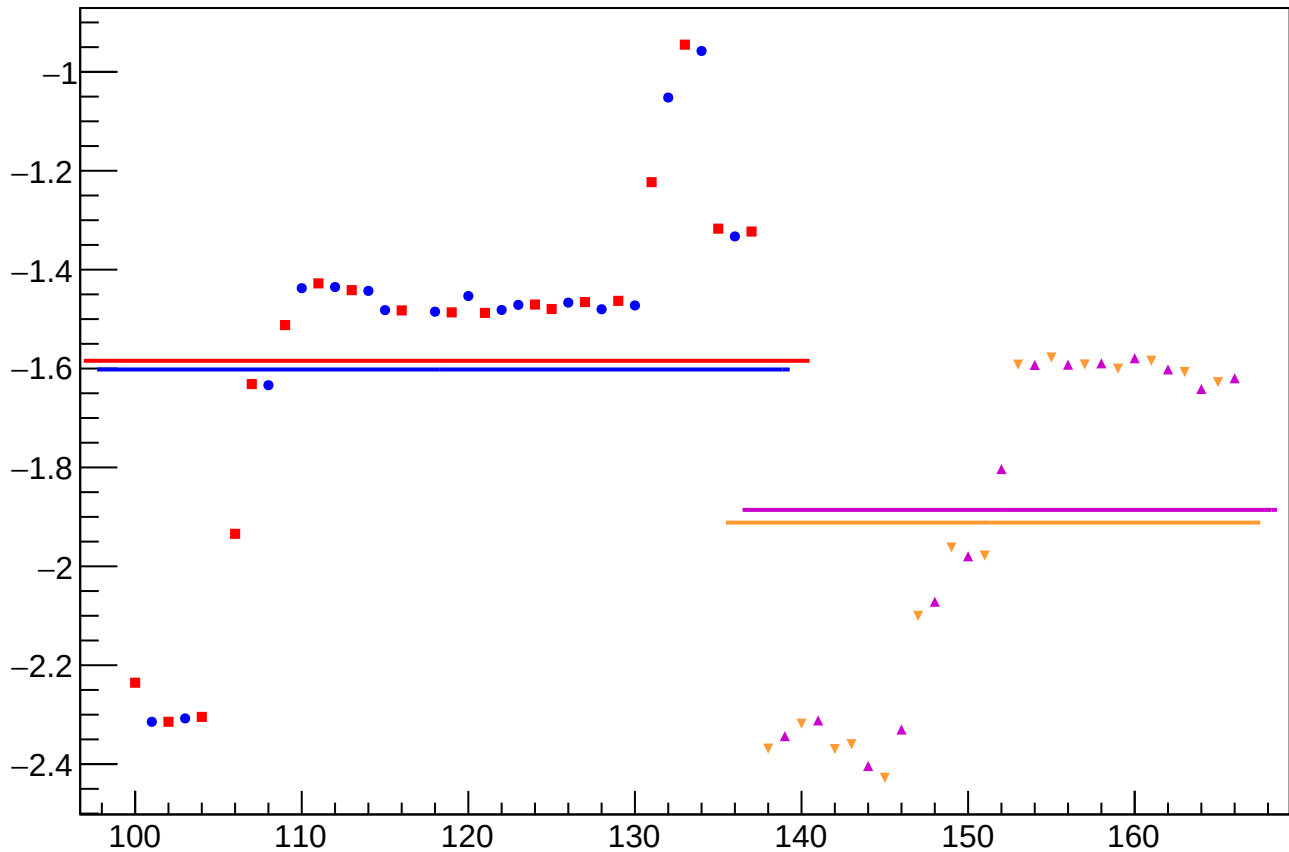
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:83236.5/13

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 242783.9/31

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 499567.9/64

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 252923.2/32

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -1.912+/-0.000 χ^2/NDF : 145040276293.6/14

Right Out: -1.584+/-0.000 χ^2/NDF : 143578606614.3/18

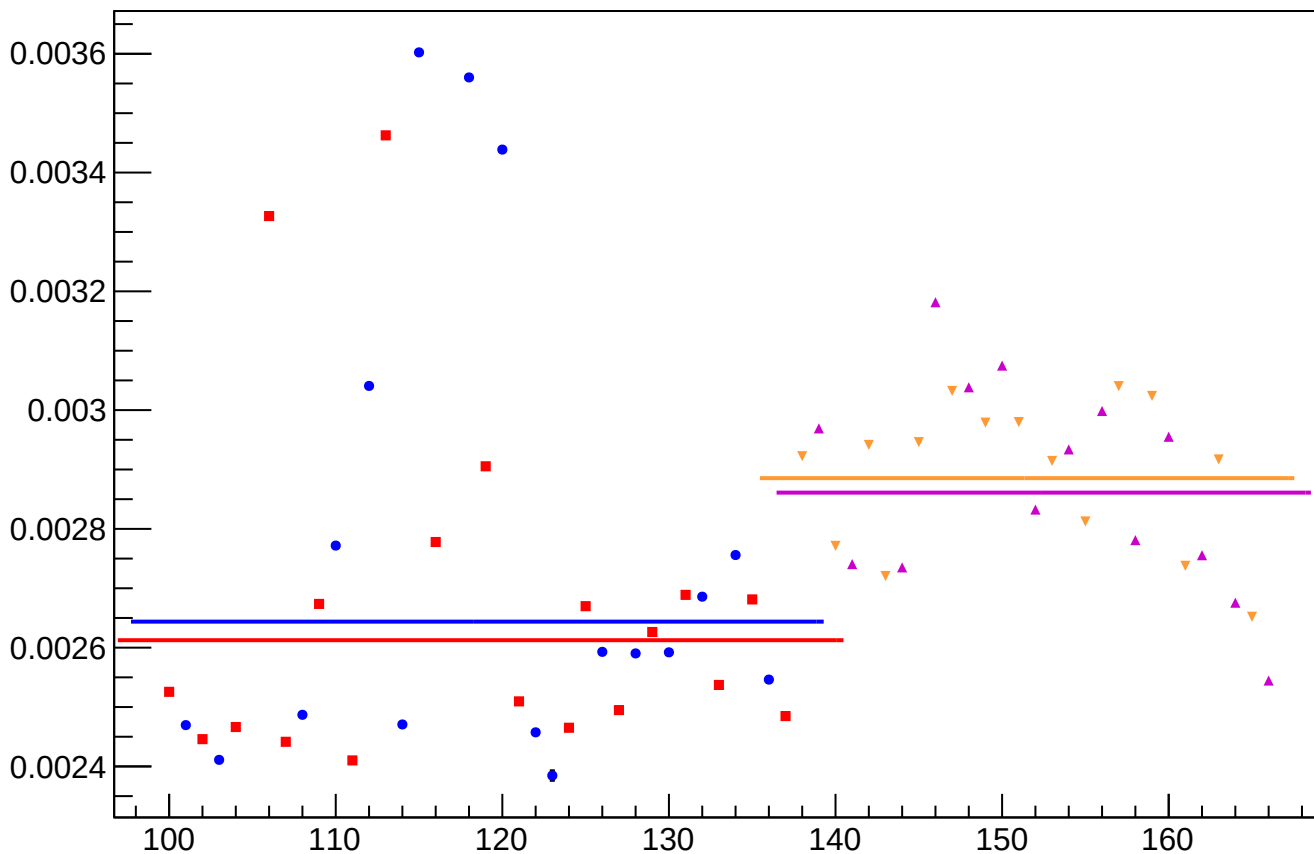
Left In: -1.886+/-0.000 χ^2/NDF : 132994006429.5/13

+ sign -1.782+/-0.000 χ^2/NDF : 335339687219.1/31

All: -1.768+/-0.000 χ^2/NDF : 662768614616.7

- sign -1.754+/-0.000 χ^2/NDF : 326563060723.9/32

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 : 36241.4/14

Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

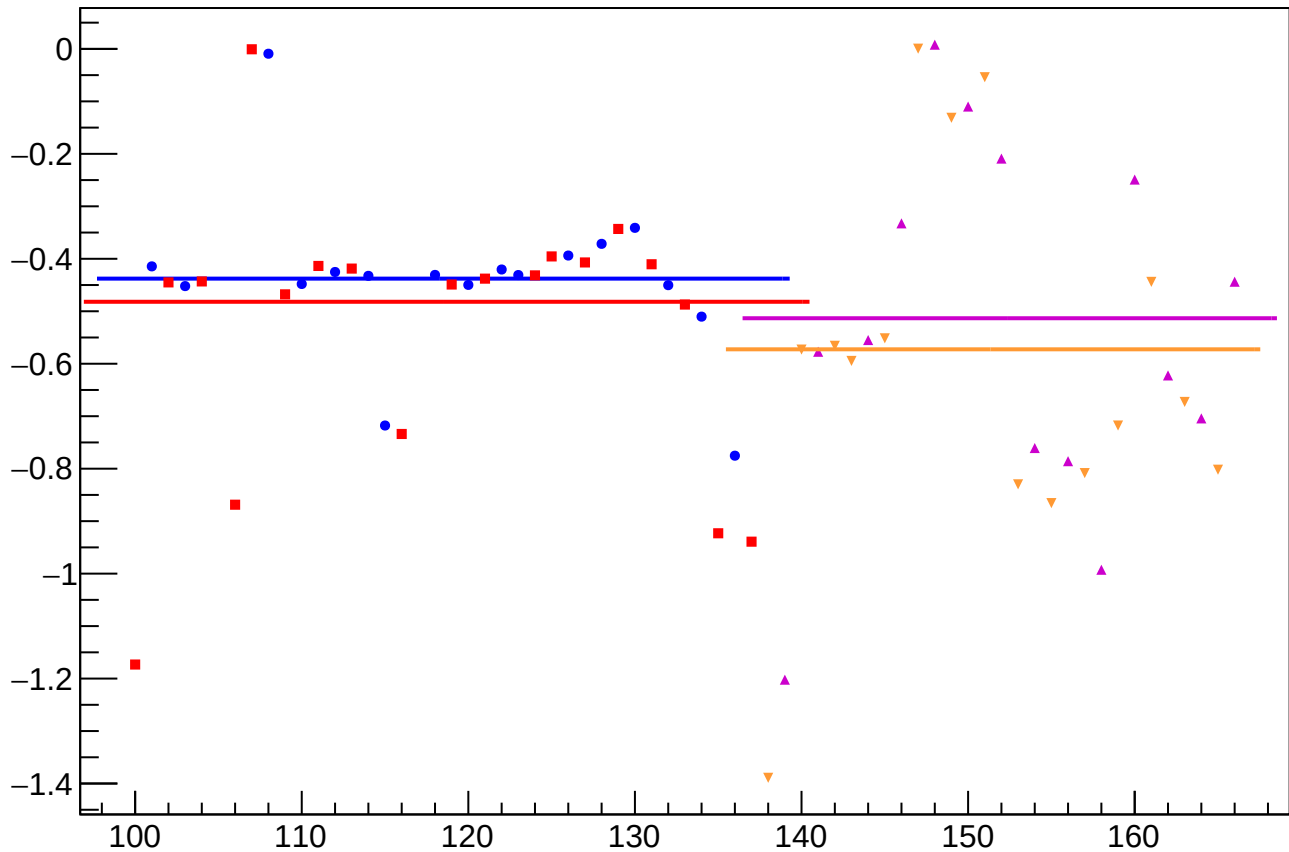
Left In: 0.003+/-0.000 χ^2/NDF : 67183.8/13

+ sign 0.003+/-0.000 χ^2/NDF : 248588.1/31

All: 0.003+/-0.000 χ^2/NDF : 491226.9/64

- sign 0.003+/-0.000 χ^2/NDF : 240396.0/32

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.573+/-0.000 χ^2/NDF : 7814527573.9/14

Right Out: -0.482+/-0.000 χ^2/NDF : 2694625740.7/18

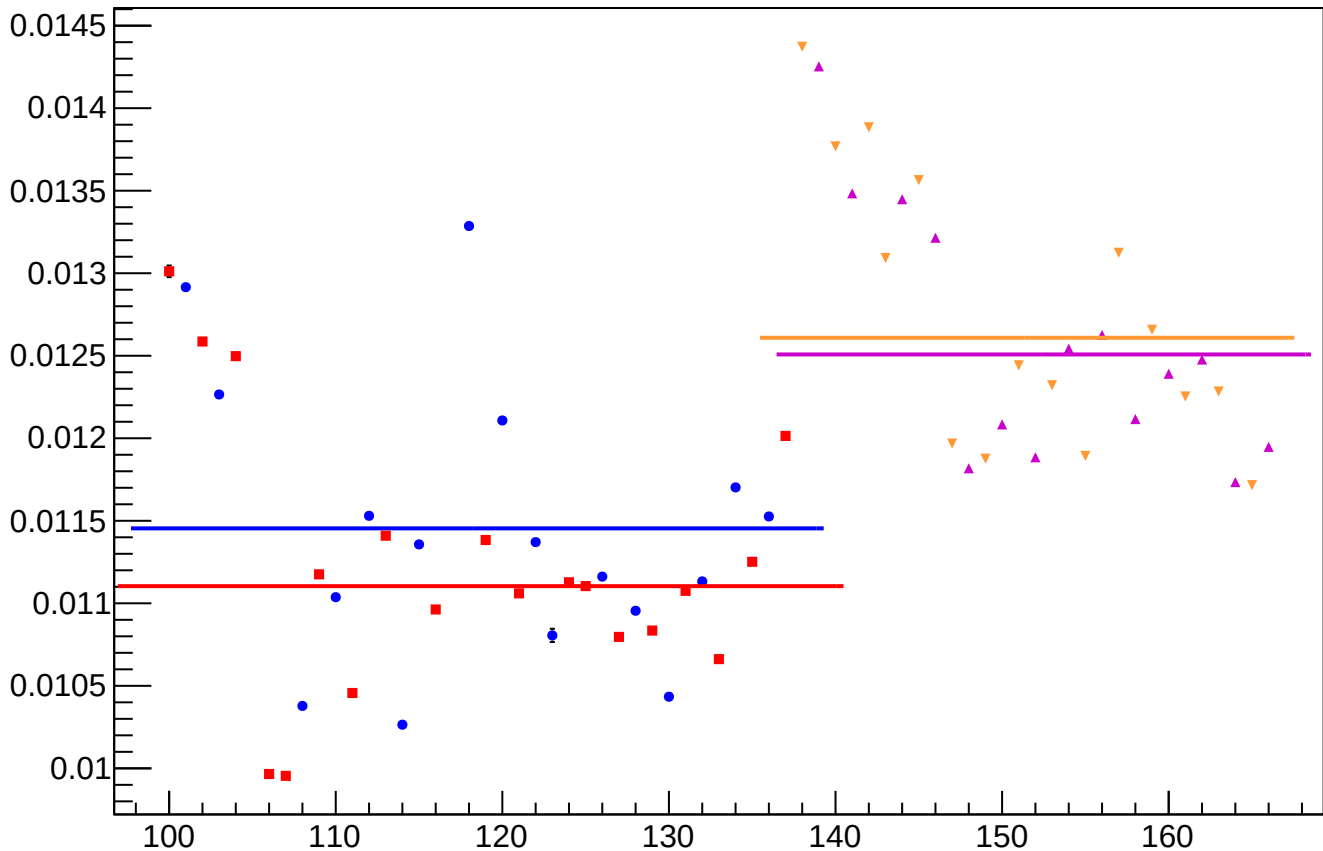
Left In: -0.513+/-0.000 χ^2/NDF : 7109778449.0/13

+ sign -0.515+/-0.000 χ^2/NDF : 9789554345.6/31

All: -0.507+/-0.000 χ^2/NDF : 19639194624.8/32

- sign -0.499+/-0.000 χ^2/NDF : 9834314890.4/32

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 : 74219.7/14

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

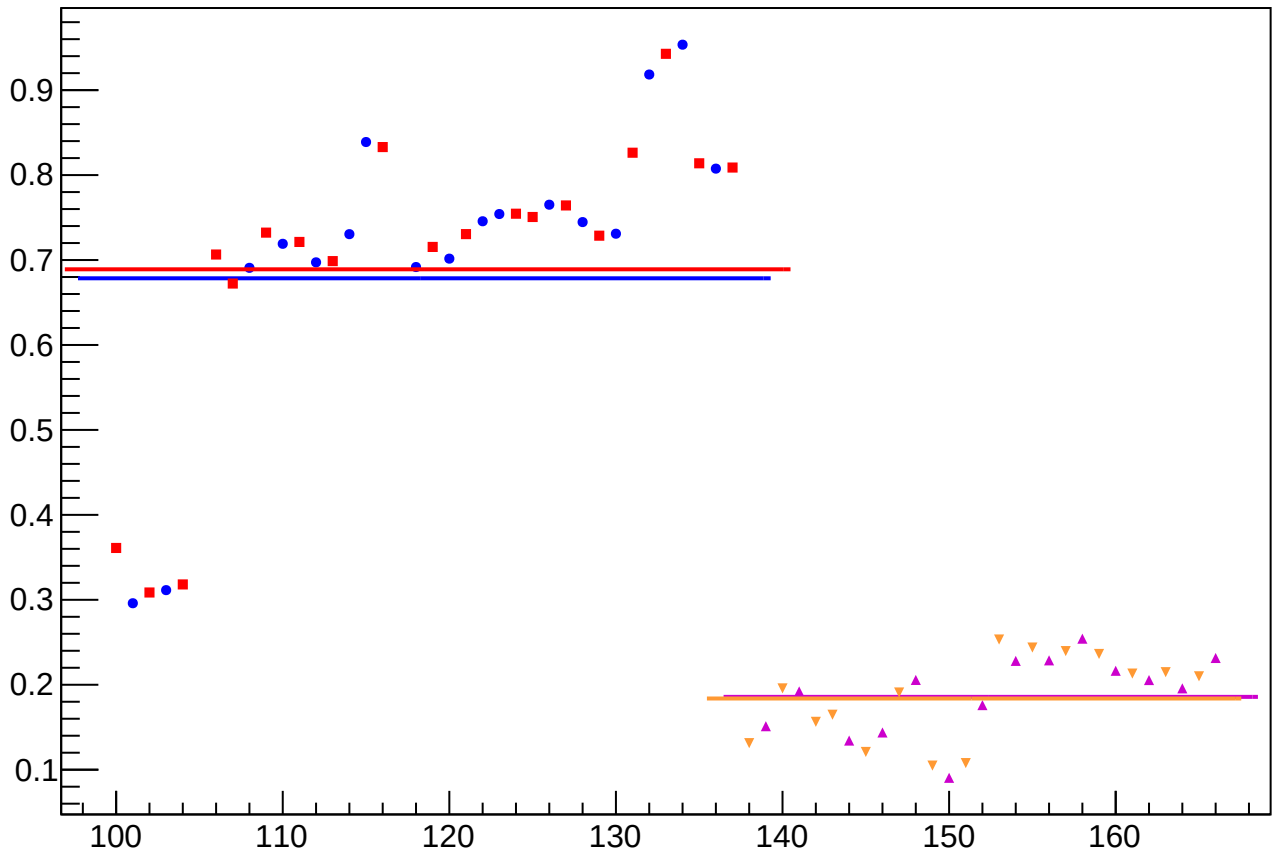
Left In: 0.013+/-0.000 χ^2/NDF : 61046.4/13

+ sign 0.012+/-0.000 χ^2/NDF : 214234.7/31

All: 0.012+/-0.000 χ^2/NDF : 458624.7/64

- sign 0.012+/-0.000 χ^2/NDF : 236739.1/32

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.184 $\pm$ 0.000 χ^2 /NDF: 5403747789.6/14

+ sign 0.341 $\pm$ 0.000 χ^2 /NDF: 213199303832.7/31

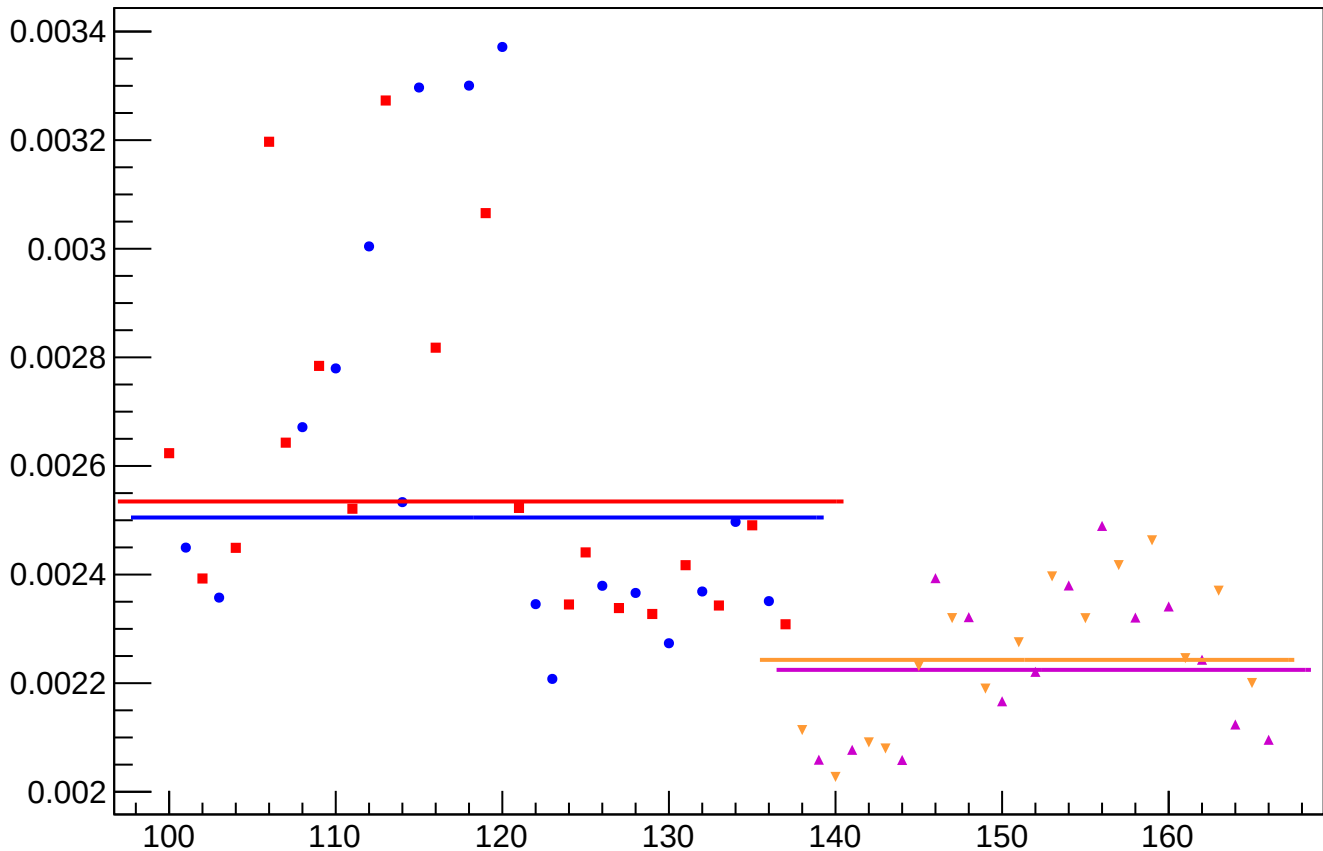
Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

All: 0.345 $\pm$ 0.000 χ^2 /NDF: 431340389371.9

Left In: 0.186 $\pm$ 0.000 χ^2 /NDF: 4391707353.0/13

- sign 0.350 $\pm$ 0.000 χ^2 /NDF: 218035917384.6/32

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 175524.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 72906.0/14

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 131609.0/18

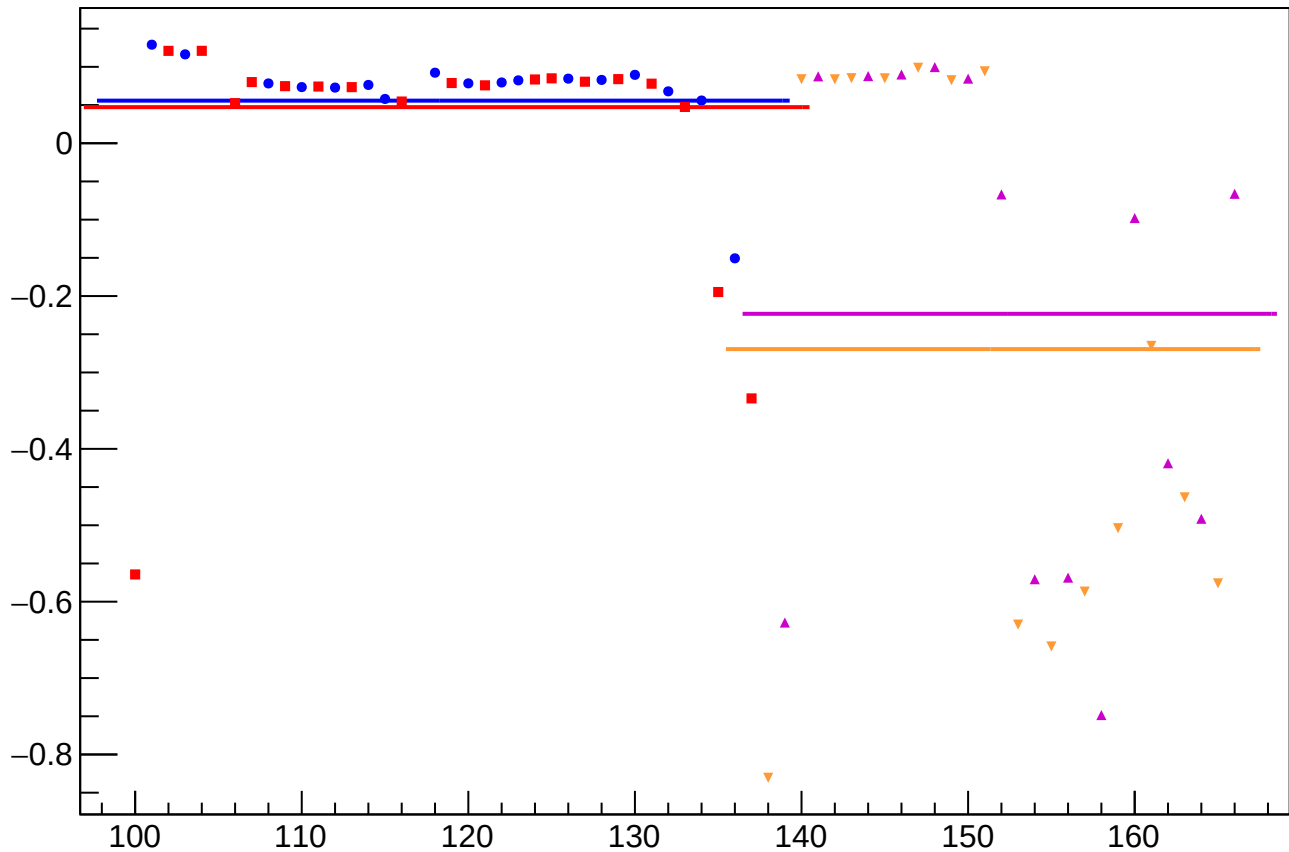
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 78449.4/13

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 343539.5/31

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 688931.1/64

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 345388.3/32

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.269+/-0.000 χ^2/NDF : 9187071025.0/14

Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

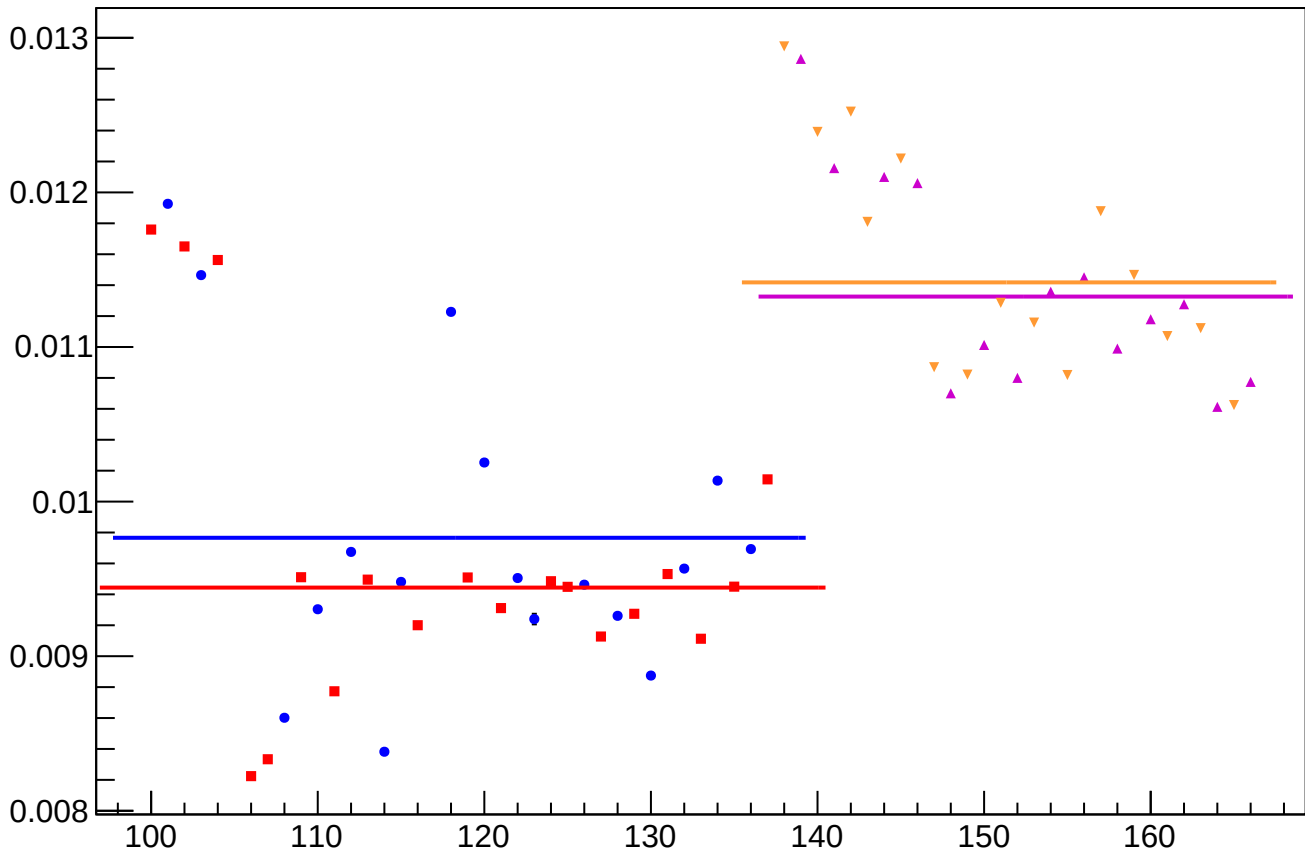
Left In: -0.223+/-0.000 χ^2/NDF : 7787023266.1/13

+ sign -0.121+/-0.000 χ^2/NDF : 13496111334.1/31

All: -0.105+/-0.000 χ^2/NDF : 25060305620.3/32

- sign -0.091+/-0.000 χ^2/NDF : 11491845579.5/32

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: 66915.0/14

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 110693.8/18

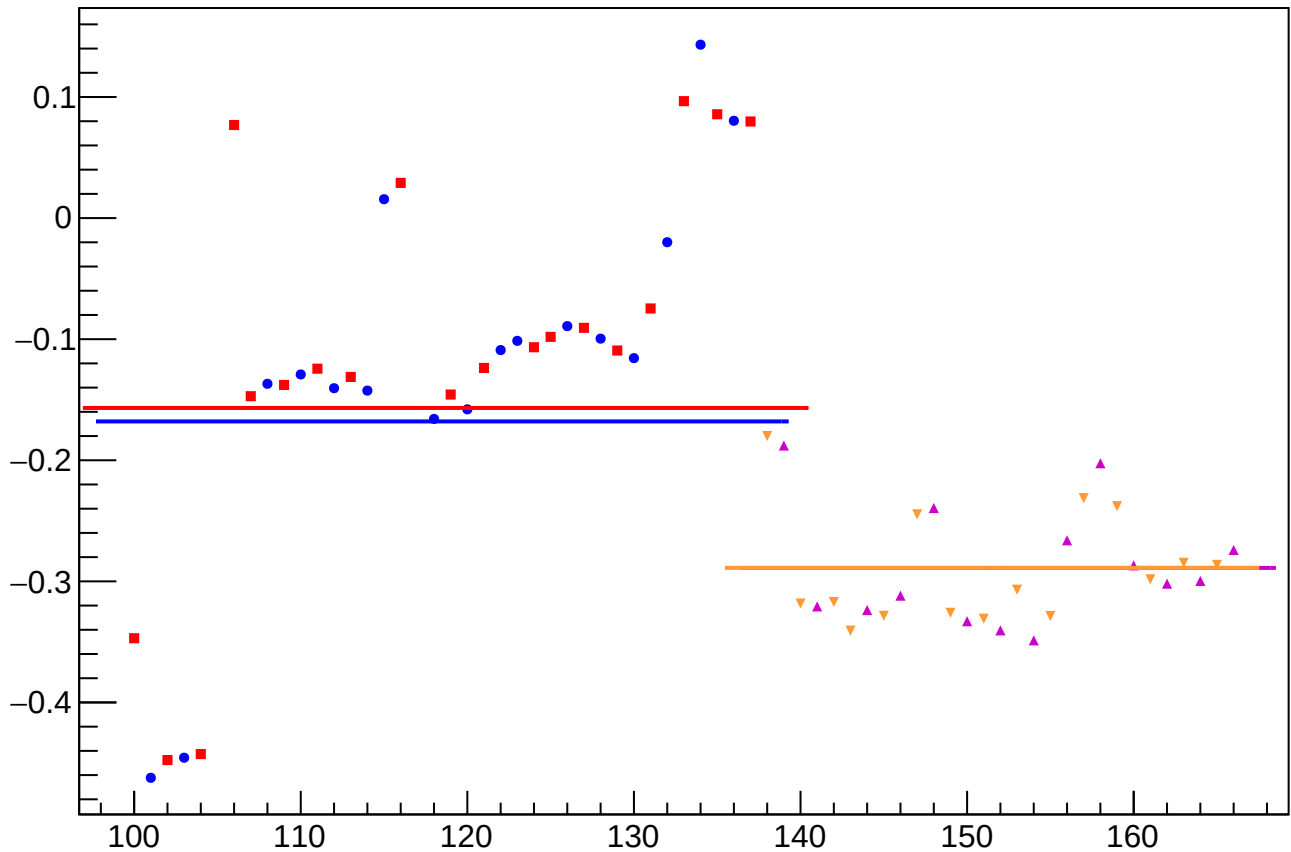
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 58556.6/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 384130.9/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 843383.3/64

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 448708.3/32

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 : 2669311667.0/14

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

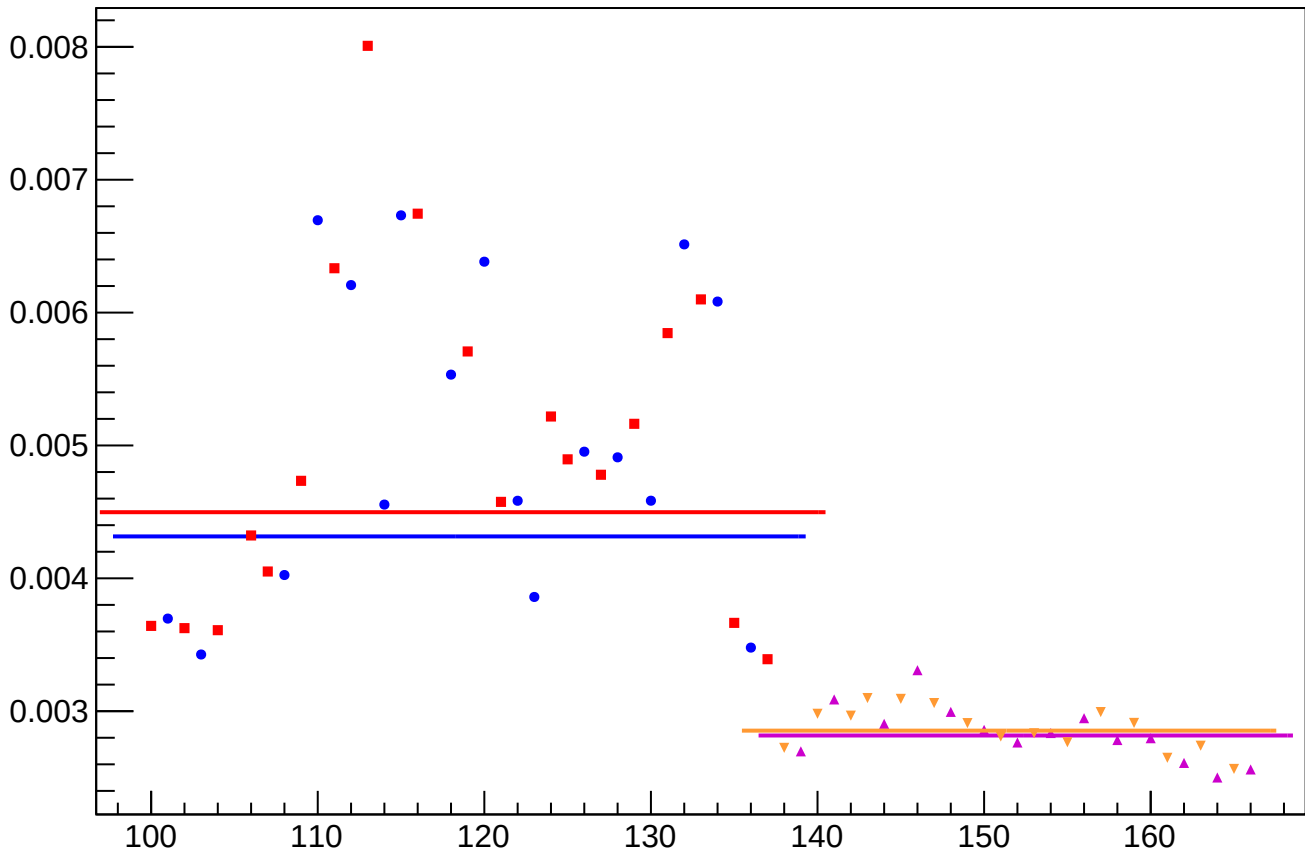
Left In: -0.289+/-0.000 χ^2/NDF : 3080307054.2/13

+ sign -0.265+/-0.000 χ^2/NDF : 18675970506.4/31

All: -0.264+/-0.000 χ^2/NDF : 37124830125.2/32

- sign -0.264+/-0.000 χ^2/NDF : 18446383296.0/32

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: 62597.0/14

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 649708.4/18

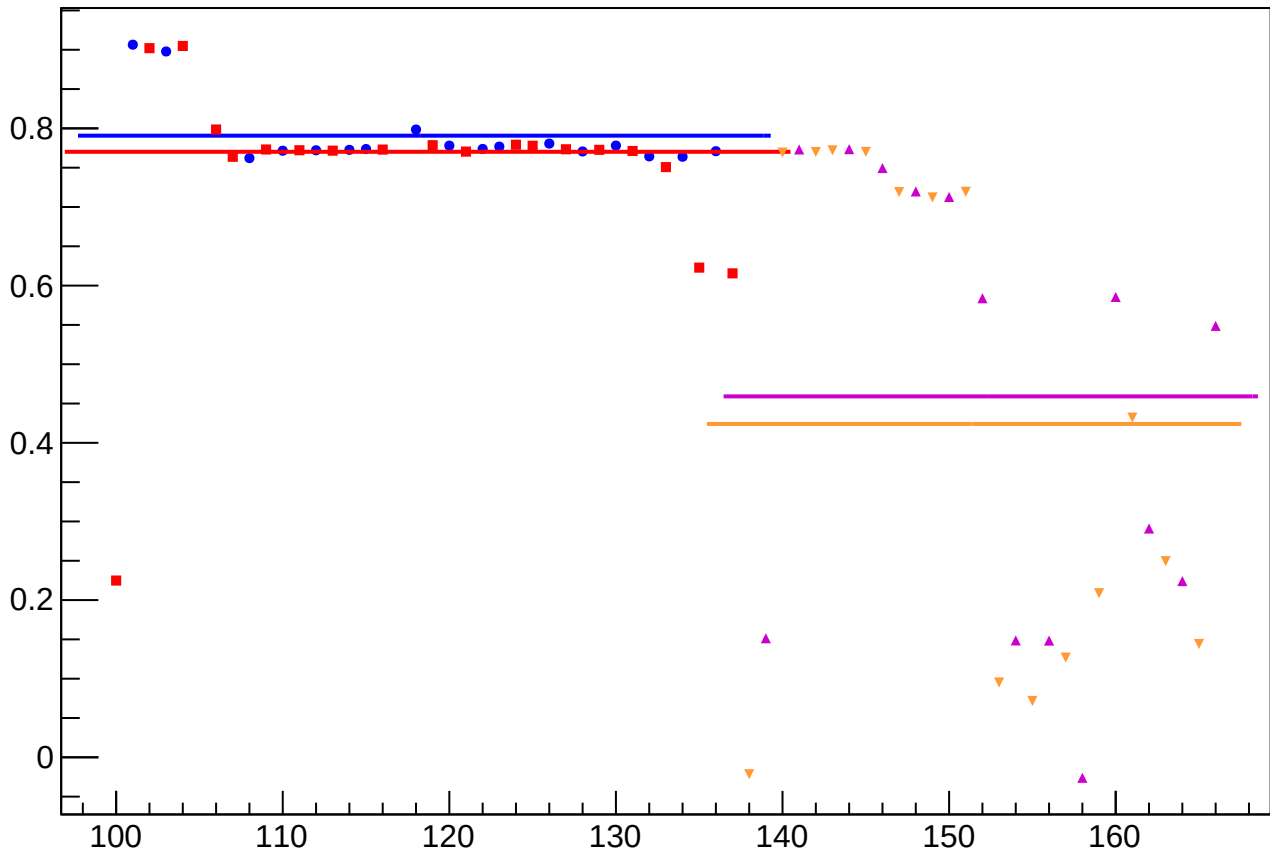
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 95272.2/13

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1756208.7/31

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3905696.3/64

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2149485.5/32

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.424 $\pm$ 0.000 χ^2 /NDF: 7648661123.9/14

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375442189.7/18

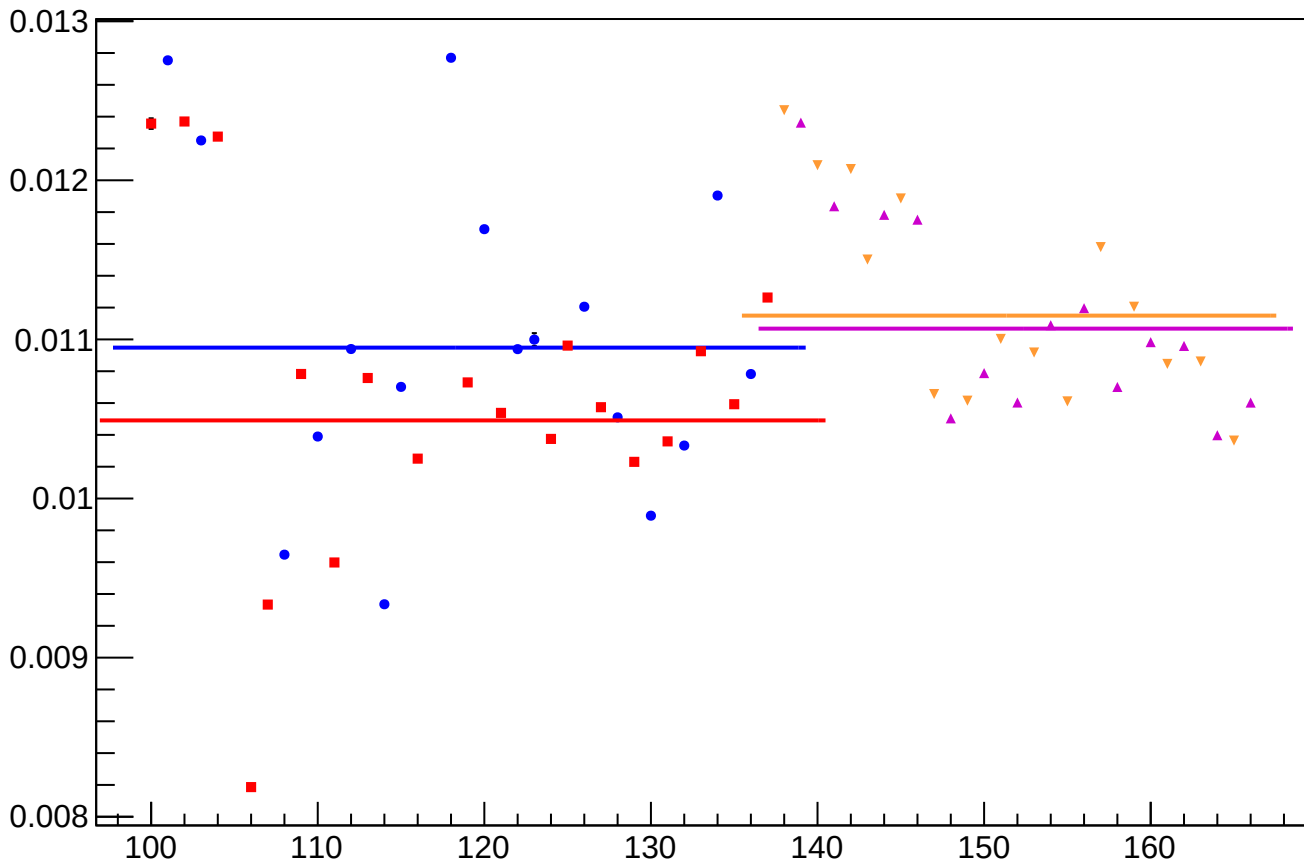
Left In: 0.459 $\pm$ 0.000 χ^2 /NDF: 6539058797.6/13

+ sign 0.566 $\pm$ 0.000 χ^2 /NDF: 12187277489.7/31

All: 0.579 $\pm$ 0.000 χ^2 /NDF: 22635513125.3/6

- sign 0.591 $\pm$ 0.000 χ^2 /NDF: 10401636263.6/32

yield_bpm0l09X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 98551.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:58075.9/14

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 119420.8/18

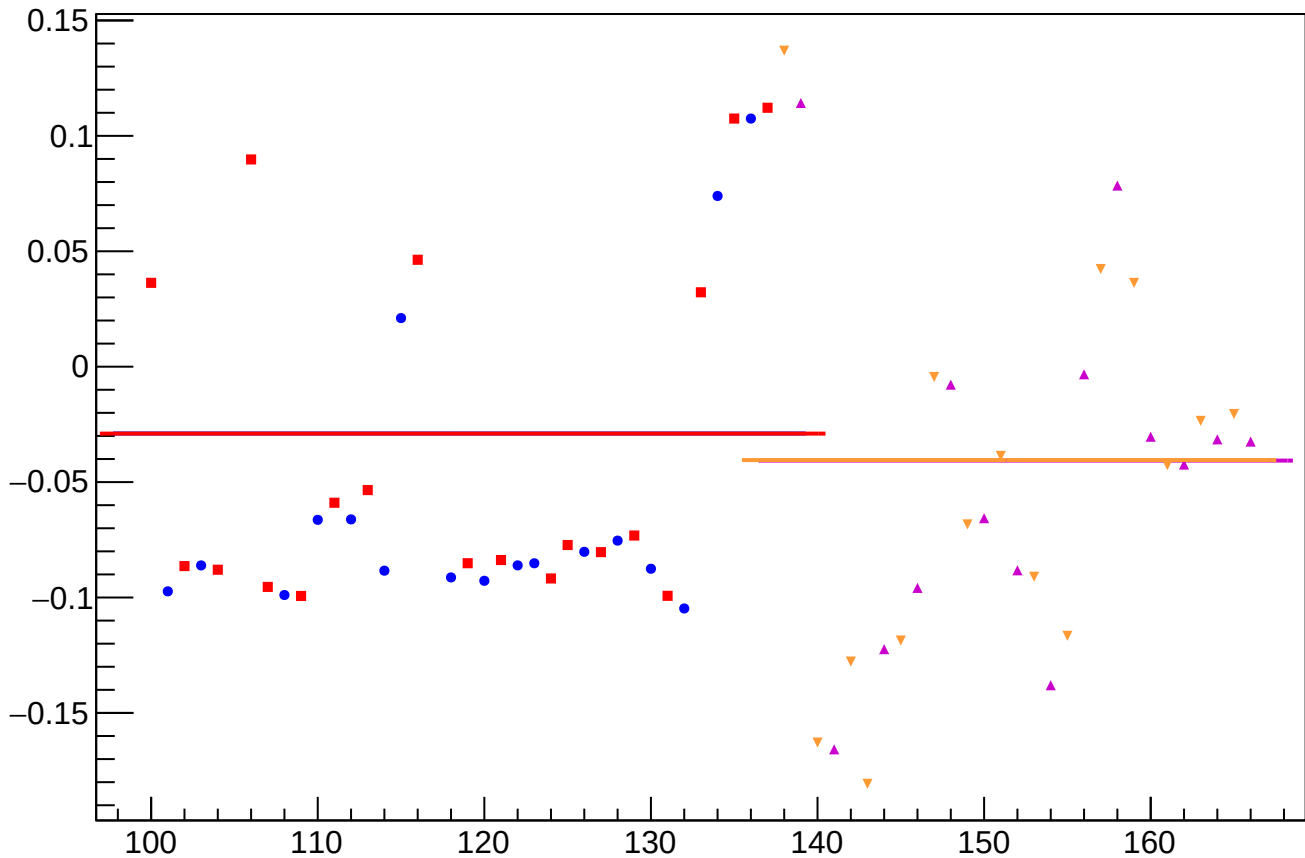
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:50119.2/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 159295.3/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 361704.5/64

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 193516.5/32

yield_bpm0l09Y_mean vs Slug



Right In: -0.029 ± 0.000 $\chi^2/\text{NDF}: 2445975608.2/16$

Left Out: -0.040 ± 0.000 $\chi^2/\text{NDF}: 6669920398.0/14$

Right Out: -0.029 ± 0.000 $\chi^2/\text{NDF}: 2113349669.8/18$

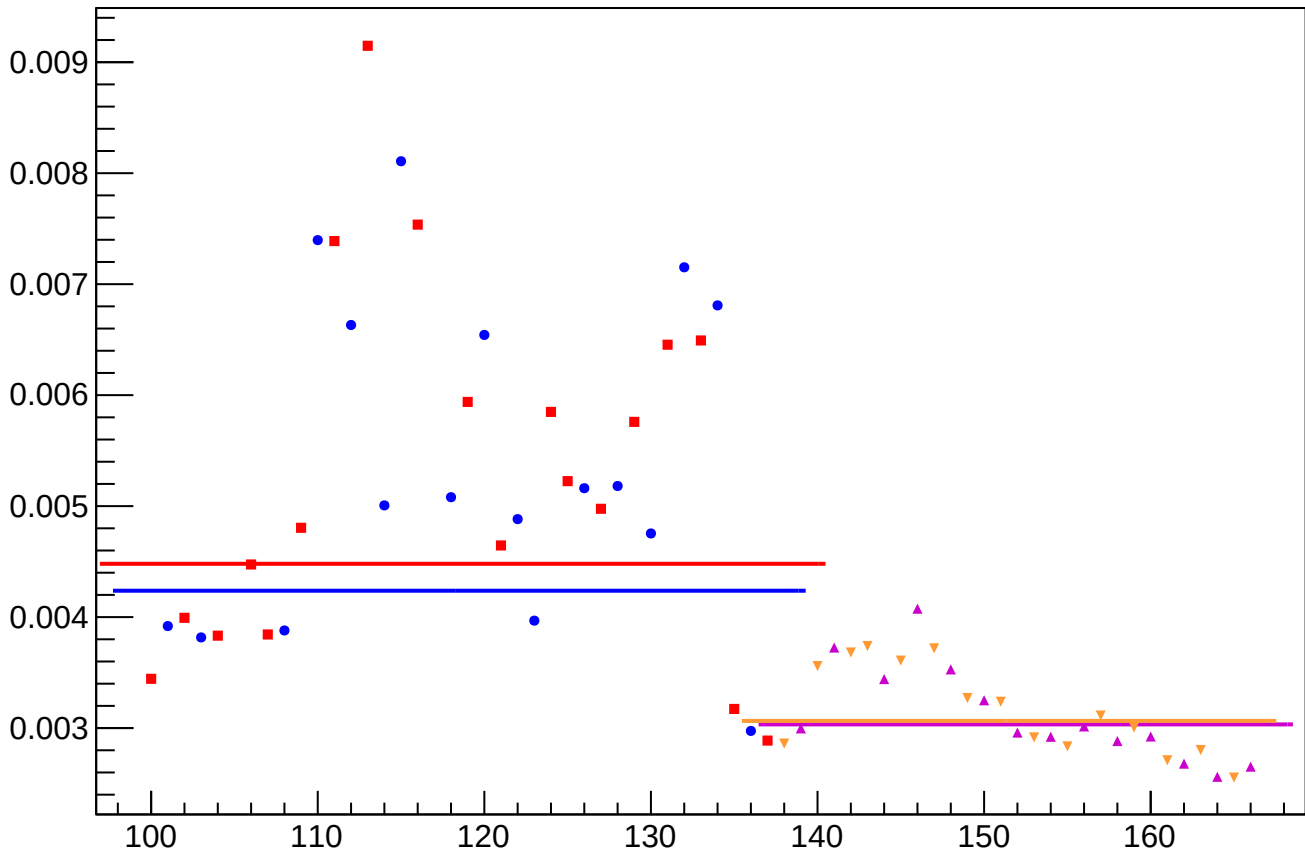
Left In: -0.041 ± 0.000 $\chi^2/\text{NDF}: 5837501751.5/13$

+ sign -0.038 ± 0.000 $\chi^2/\text{NDF}: 9147502193.7/31$

All: -0.038 ± 0.000 $\chi^2/\text{NDF}: 17129761251.9$

- sign -0.038 ± 0.000 $\chi^2/\text{NDF}: 7982209189.7/32$

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 881584.1/16

Left Out: 0.003+/-0.000 χ^2/NDF : 277747.8/14

Right Out: 0.004+/-0.000 χ^2/NDF : 984186.1/18

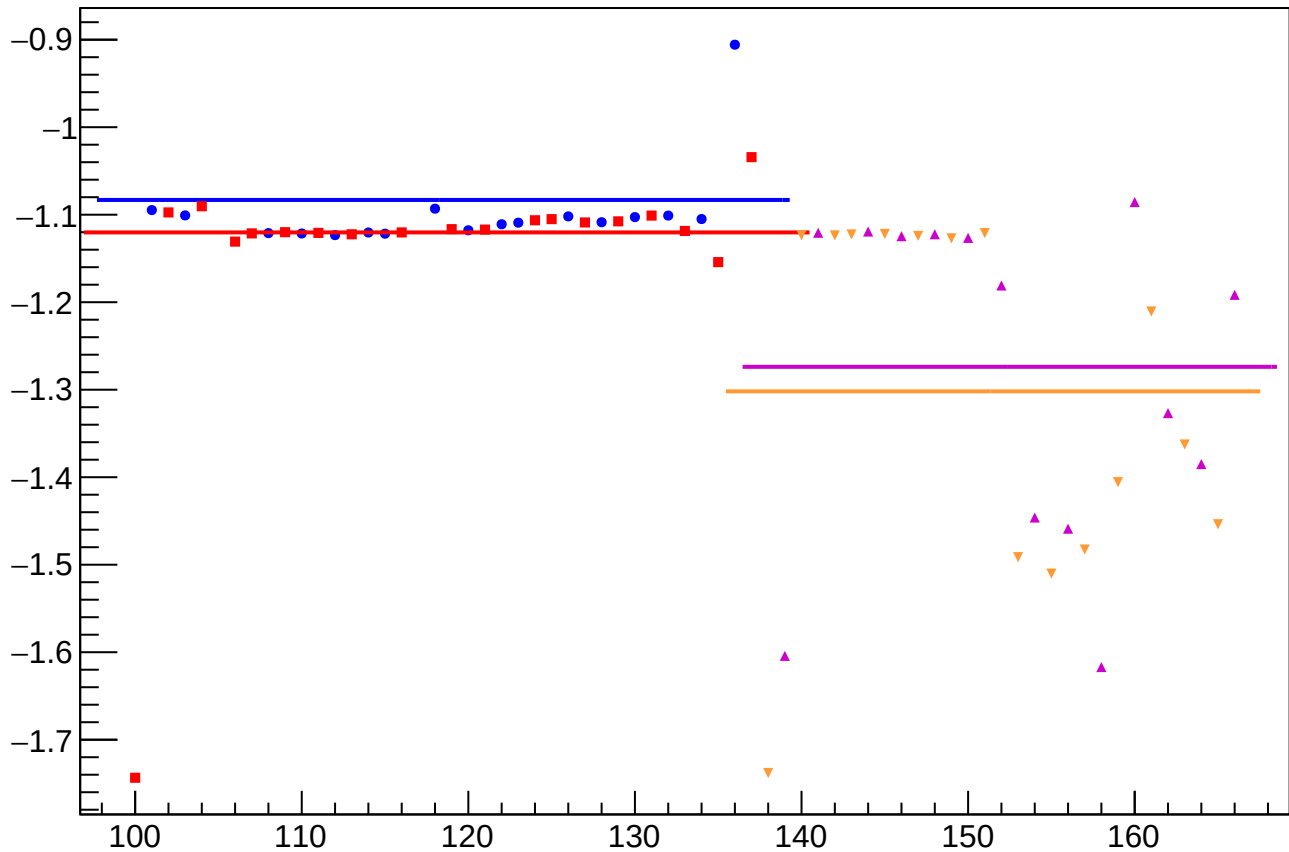
Left In: 0.003+/-0.000 χ^2/NDF : 294066.6/13

+ sign 0.003+/-0.000 χ^2/NDF : 1814043.7/31

All: 0.003+/-0.000 χ^2/NDF : 4054393.0/64

- sign 0.003+/-0.000 χ^2/NDF : 2239929.0/32

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.302+/-0.000 χ^2/NDF : 3751779588.8/14

Right Out: -1.120+/-0.000 χ^2/NDF : 220571280.7/18

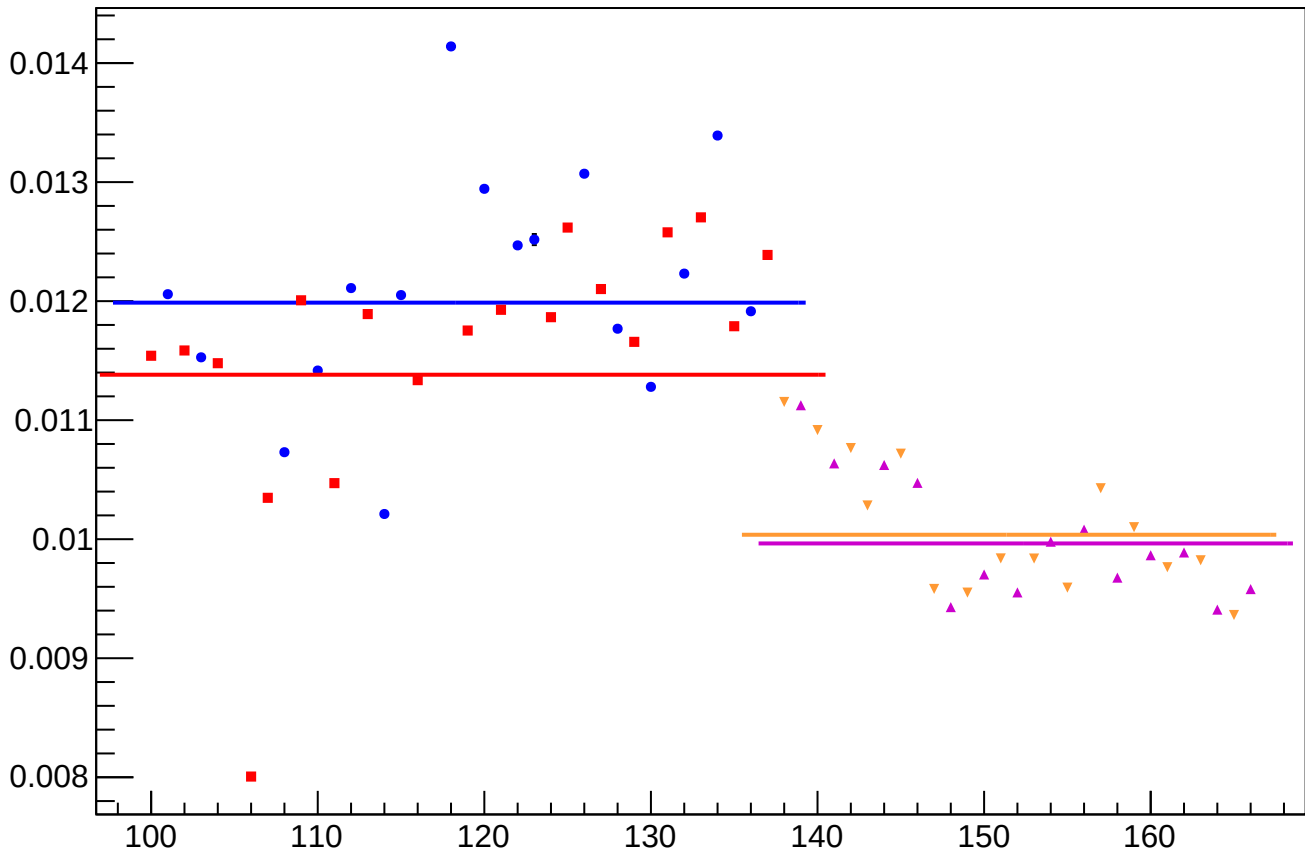
Left In: -1.274+/-0.000 χ^2/NDF : 3473896398.9/13

+ sign -1.237+/-0.000 χ^2/NDF : 5459524642.9/31

All: -1.229+/-0.000 χ^2/NDF : 9999318657.3/6

- sign -1.222+/-0.000 χ^2/NDF : 4524017540.1/32

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:55763.3/14

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

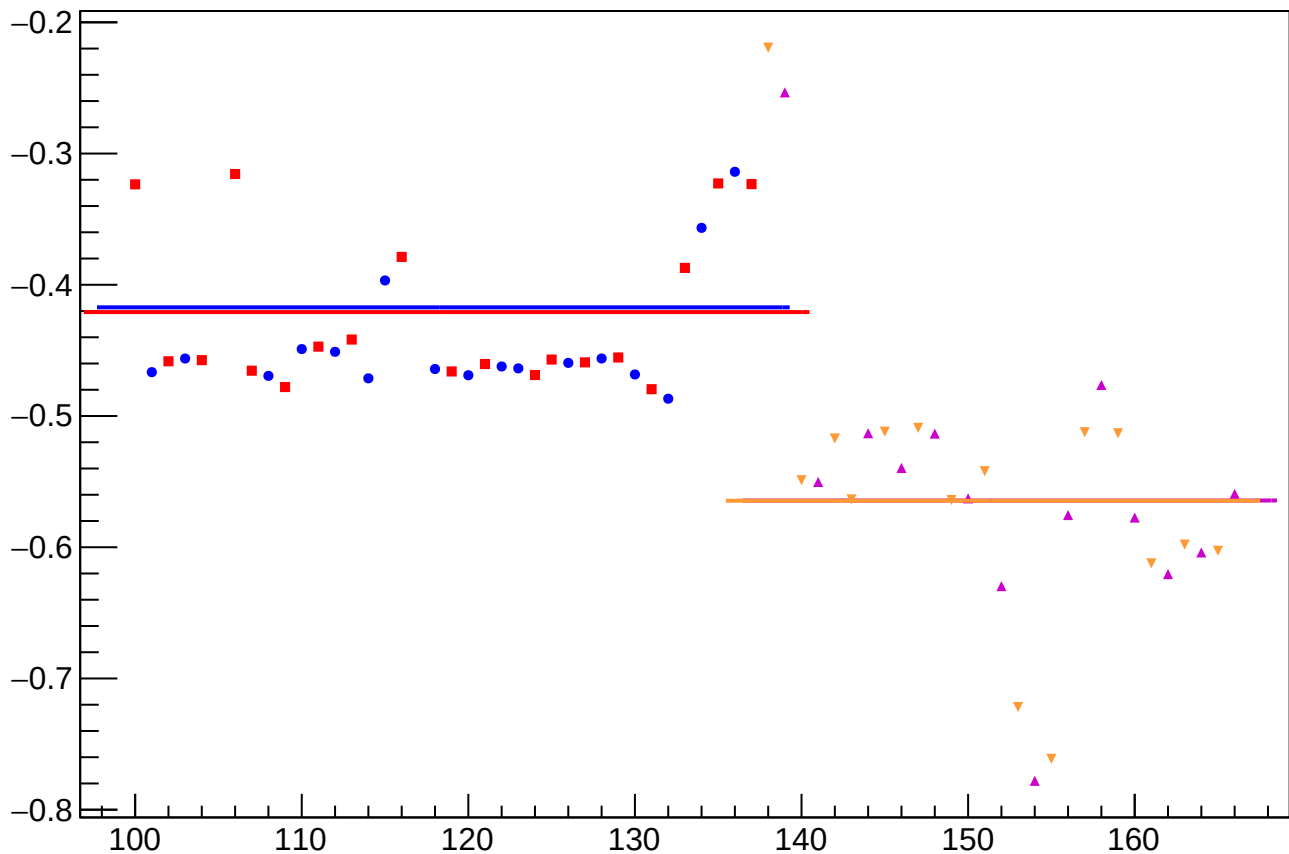
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:47605.3/13

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 355372.2/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 703728.3/64

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 343408.2/32

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.565+/-0.000 χ^2/NDF : 13076349997.9/14

Right Out: -0.421+/-0.000 χ^2/NDF : 1646463410.7/18

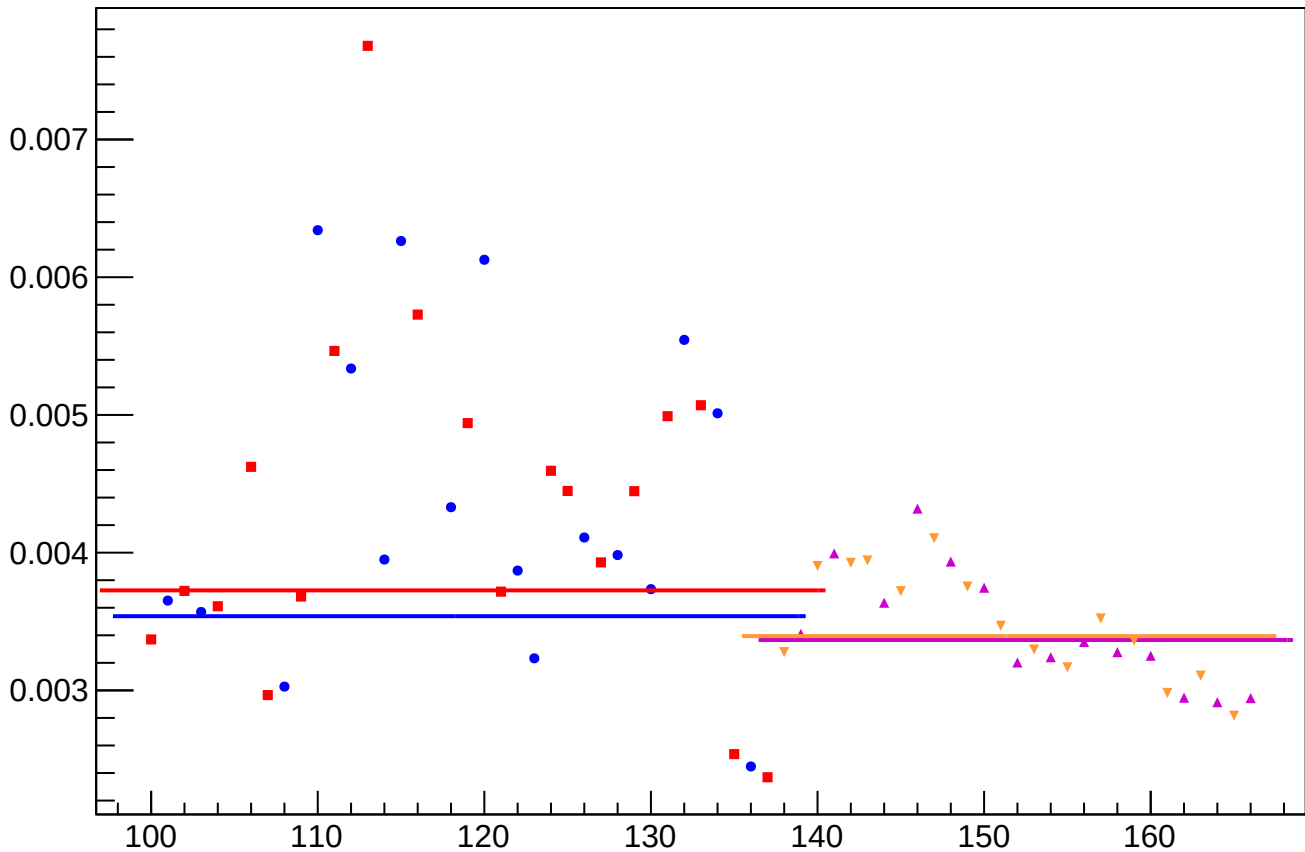
Left In: -0.564+/-0.000 χ^2/NDF : 10406950761.5/13

+ sign -0.516+/-0.000 χ^2/NDF : 21438801546.1/31

All: -0.517+/-0.000 χ^2/NDF : 39372241048.5

- sign -0.518+/-0.000 χ^2/NDF : 17931183925.2/32

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:230719.4/14

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 898447.6/18

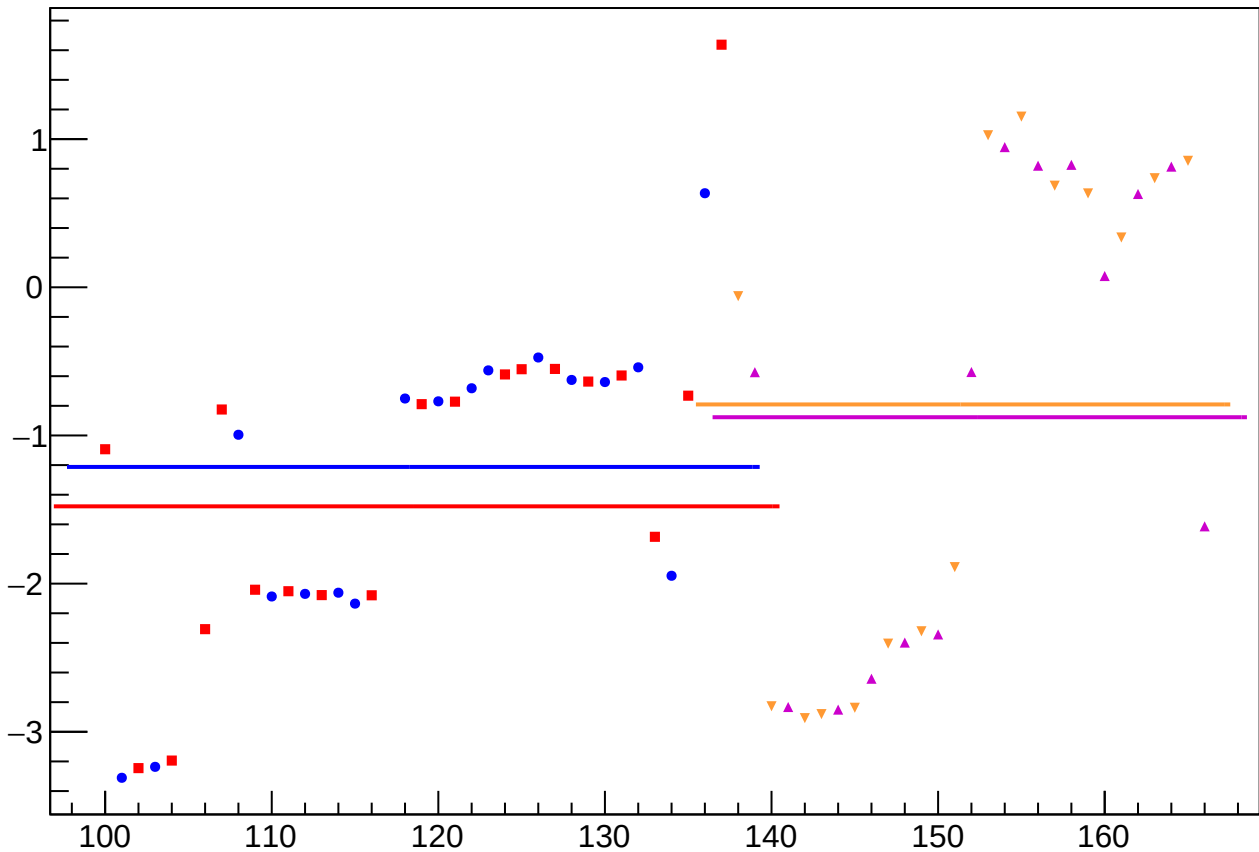
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:246317.7/13

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1079073.9/31

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2300092.5/64

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1218814.1/32

yield_bpm0r03X_mean vs Slug



Right In: -1.212 $\pm$ 0.000 χ^2 /NDF: 1992853443.9/16

Left Out: -0.791 $\pm$ 0.000 χ^2 /NDF: 5108483277.7/14

Right Out: -1.478 $\pm$ 0.000 χ^2 /NDF: 1578264383.8/18

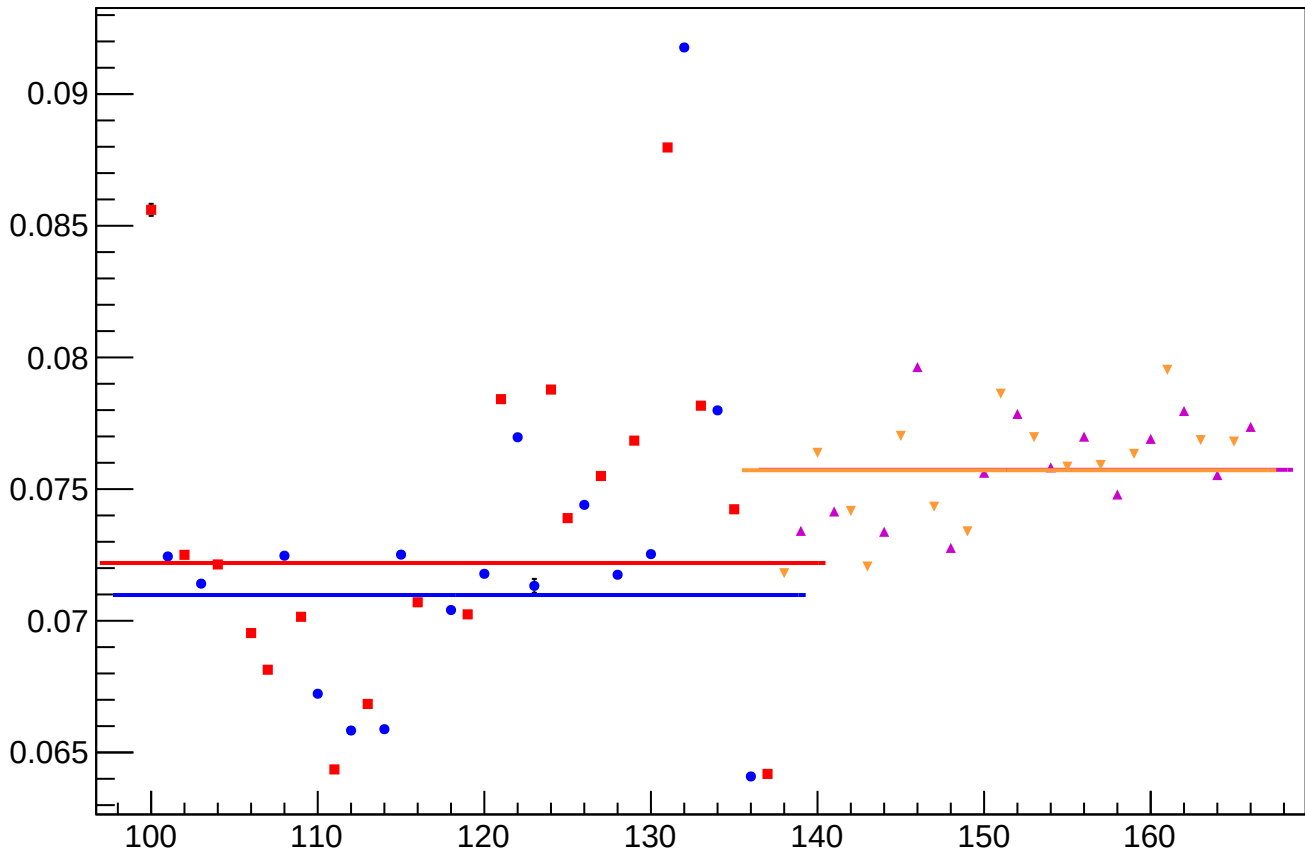
Left In: -0.877 $\pm$ 0.000 χ^2 /NDF: 4250887926.5/13

+ sign -0.962 $\pm$ 0.000 χ^2 /NDF: 7238992365.6/31

All: -1.045 $\pm$ 0.000 χ^2 /NDF: 13393123011.8/32

- sign -1.129 $\pm$ 0.000 χ^2 /NDF: 6109708414.9/32

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 : 17514.3/14

Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

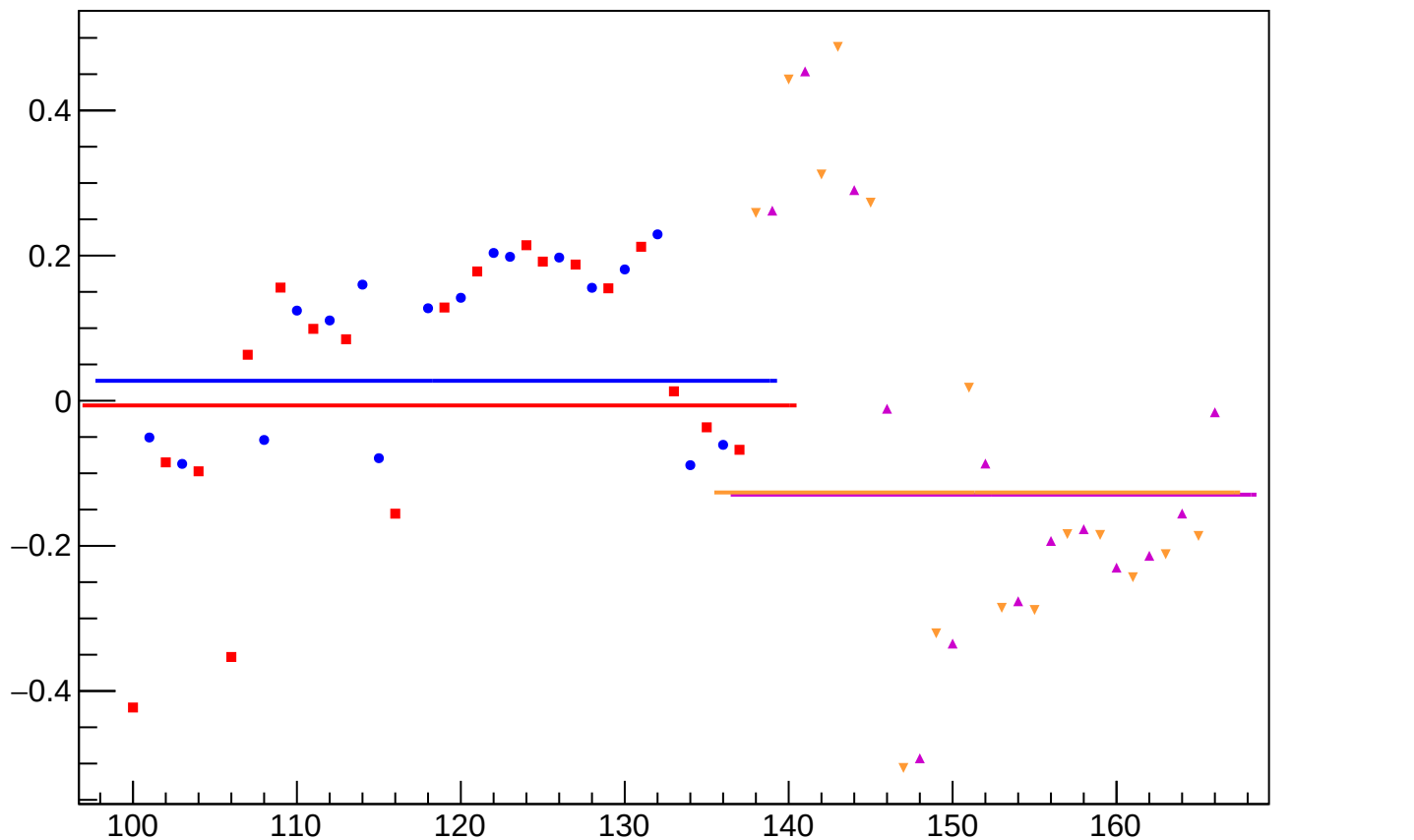
Left In: 0.076+/-0.000 χ^2/NDF : 13948.0/13

+ sign 0.074+/-0.000 χ^2/NDF : 129845.4/31

All: 0.074+/-0.000 χ^2/NDF : 237116.5/64

- sign 0.074+/-0.000 χ^2/NDF : 106590.3/32

yield_bpm0r03Y_mean vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 562337631.4/16

Left Out: -0.126 $\pm$ 0.000 χ^2 /NDF:13748796297.1/14

Right Out: -0.007 $\pm$ 0.000 χ^2 /NDF: 1199278894.0/18

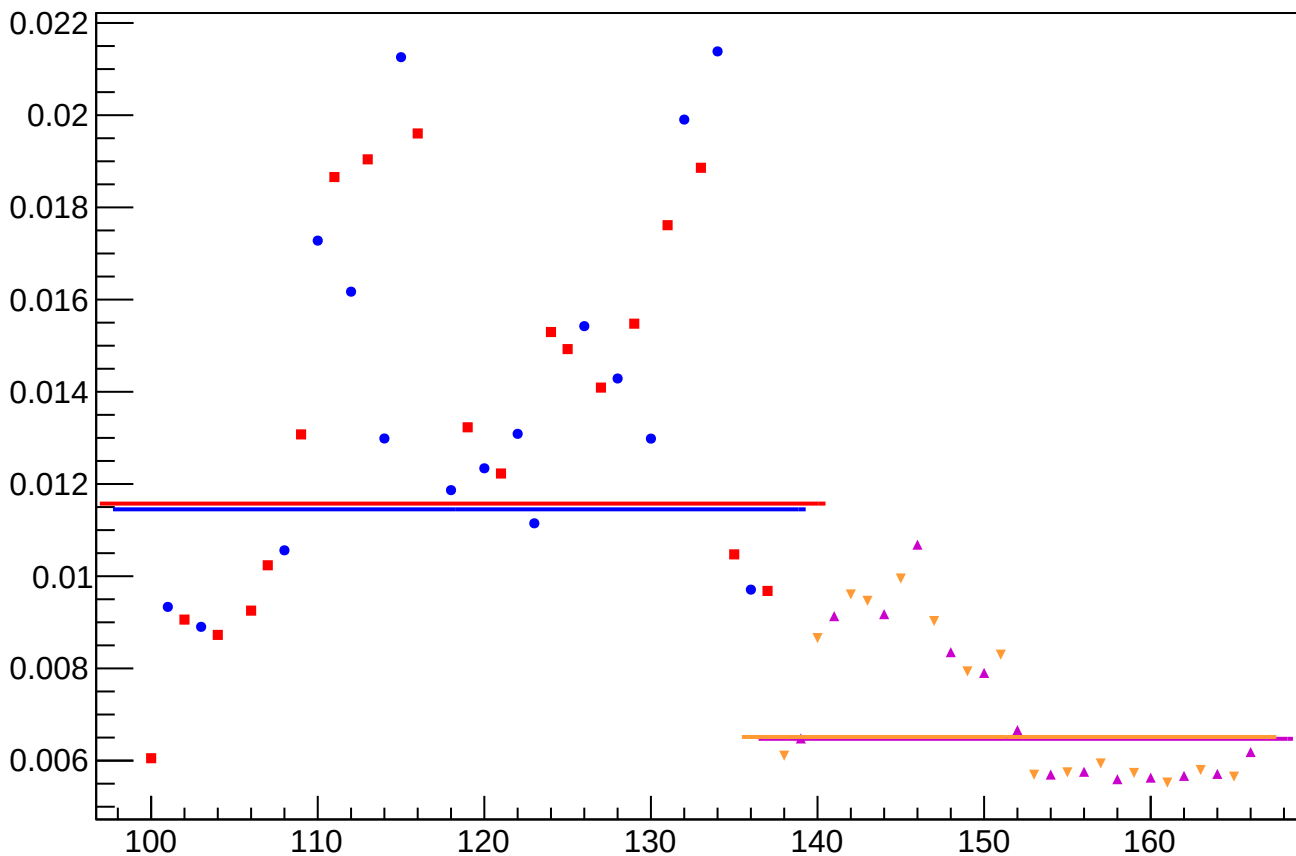
Left In: -0.129 $\pm$ 0.000 χ^2 /NDF:10387194593.3/13

+ sign -0.102 $\pm$ 0.000 χ^2 /NDF: 15185797331.1/31

All: -0.106 $\pm$ 0.000 χ^2 /NDF: 27343220210.3/32

- sign -0.110 $\pm$ 0.000 χ^2 /NDF: 12149255361.3/32

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:872919.5/14

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 997161.1/18

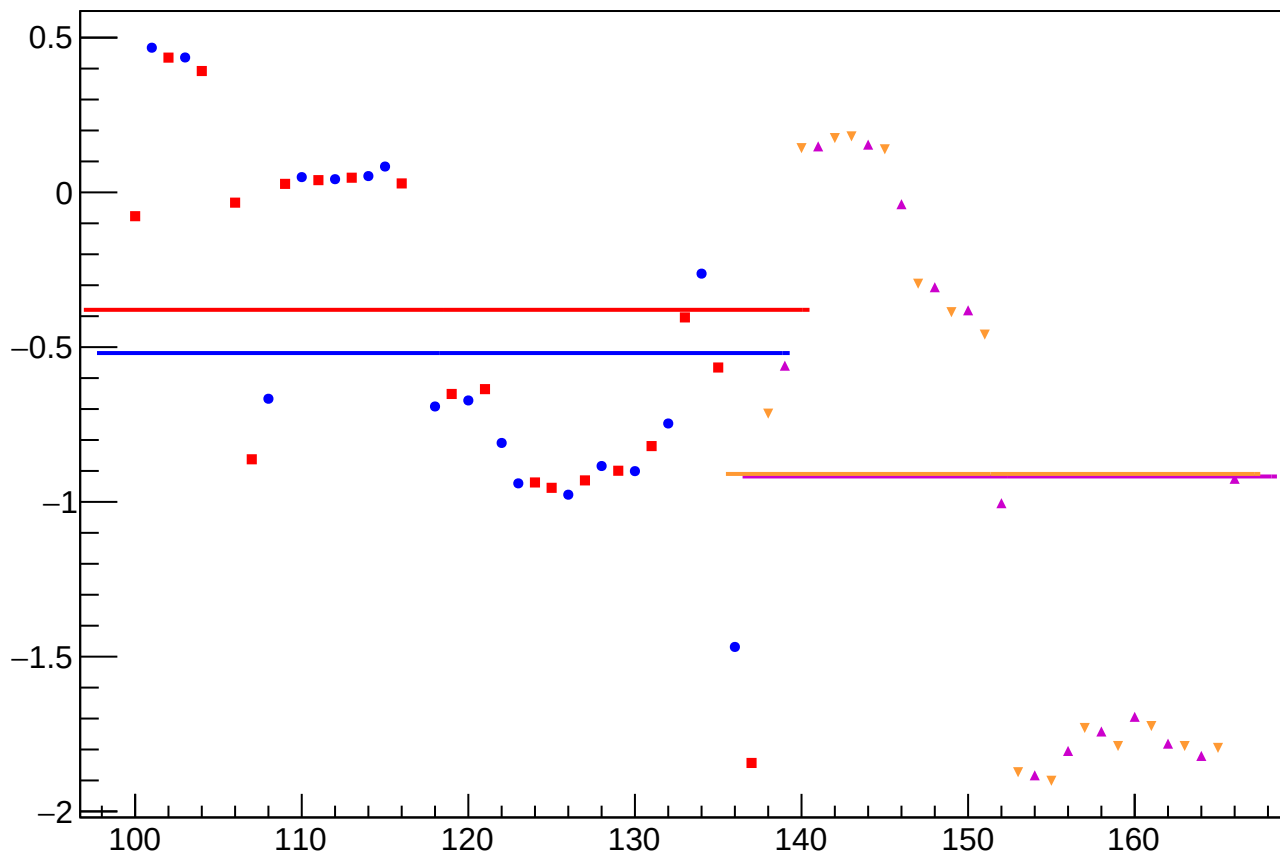
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:780311.3/13

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3353804.0/31

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7069793.3/64

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3715983.5/32

yield_bpm0r05X_mean vs Slug



Right In: -0.519+/-0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.910+/-0.000 χ^2/NDF : 1010802790.7/14

Right Out: -0.379+/-0.000 χ^2/NDF : 268621179.0/18

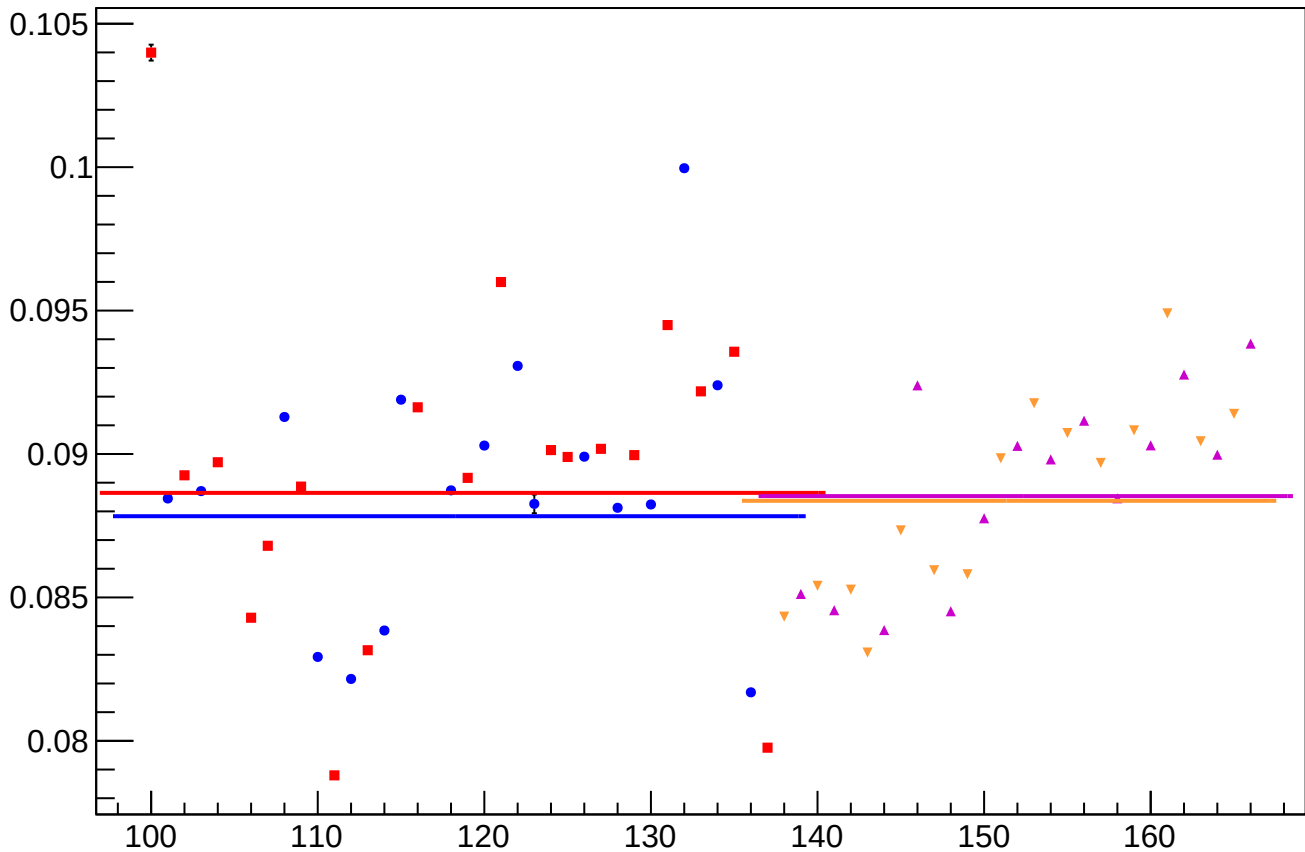
Left In: -0.918+/-0.000 χ^2/NDF : 855521134.7/13

+ sign -0.761+/-0.000 χ^2/NDF : 1432130233.5/31

All: -0.733+/-0.000 χ^2/NDF : 2717830175.9/6

- sign -0.704+/-0.000 χ^2/NDF : 1282000793.6/32

yield_bpm0r05X_rms vs Slug



Right In: 0.088+/-0.000 χ^2/NDF : 34954.4/16

Left Out: 0.088+/-0.000 χ^2/NDF : 29361.9/14

Right Out: 0.089+/-0.000 χ^2/NDF : 39722.9/18

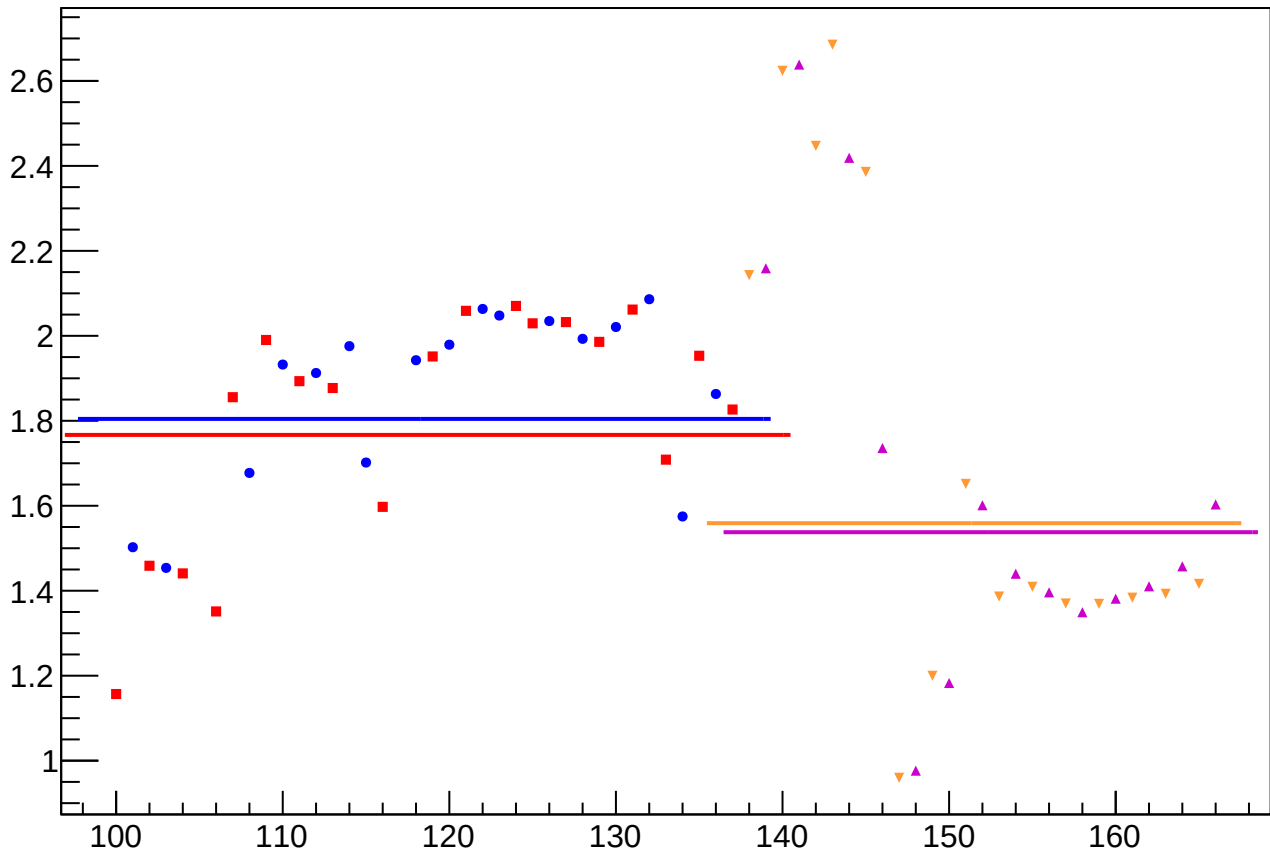
Left In: 0.089+/-0.000 χ^2/NDF : 27507.1/13

+ sign 0.088+/-0.000 χ^2/NDF : 64626.1/31

All: 0.088+/-0.000 χ^2/NDF : 132258.3/64

- sign 0.089+/-0.000 χ^2/NDF : 67243.7/32

yield_bpm0r05Y_mean vs Slug



Right In: 1.804+/-0.000 χ^2/NDF : 1156747883.2/16

Left Out: 1.559+/-0.000 χ^2/NDF : 23234801495.7/14

Right Out: 1.767+/-0.000 χ^2/NDF : 1709259284.5/18

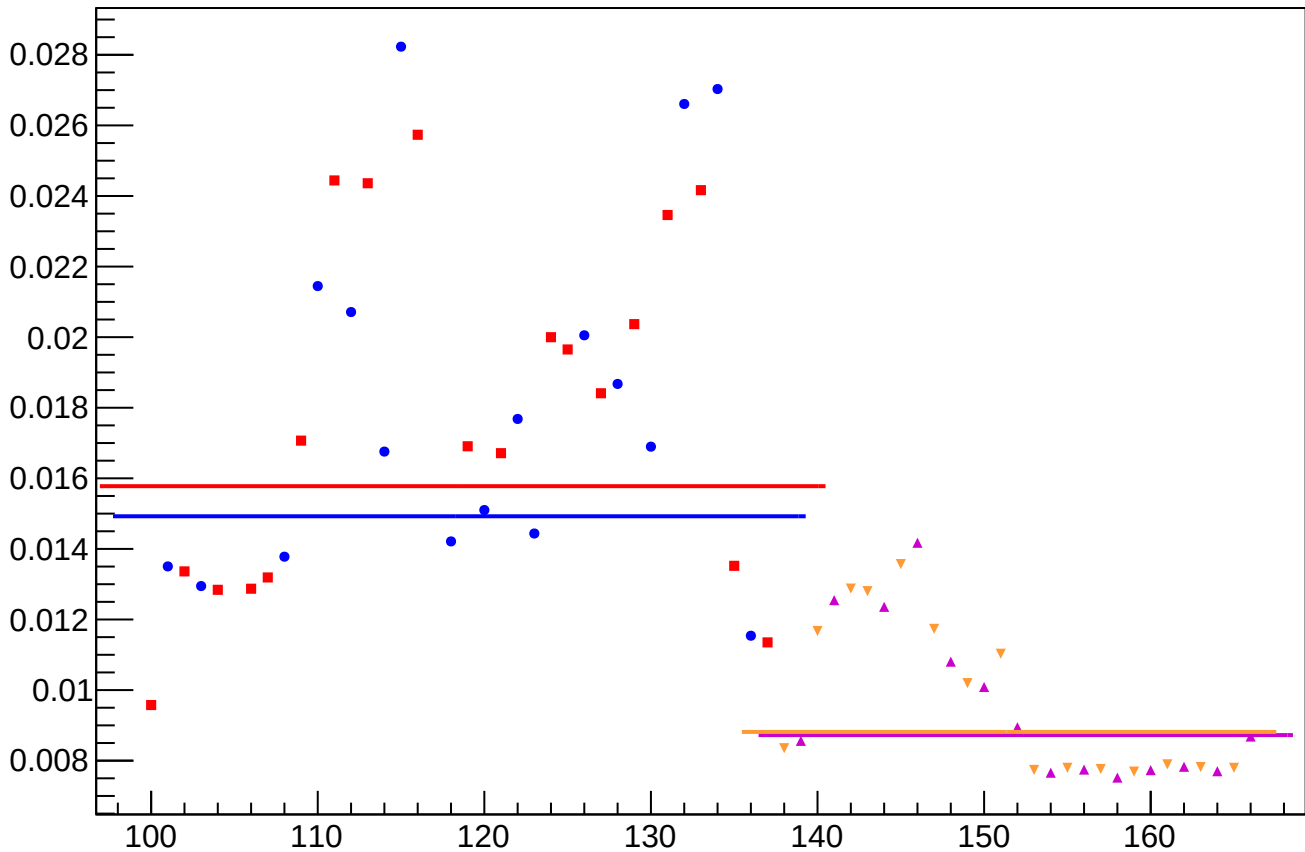
Left In: 1.538+/-0.000 χ^2/NDF : 17900105005.3/13

+ sign 1.600+/-0.000 χ^2/NDF : 25689852997.6/31

All: 1.587+/-0.000 χ^2/NDF : 46423626195.5/6

- sign 1.574+/-0.000 χ^2/NDF : 20681354628.3/32

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 :804202.4/14

Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

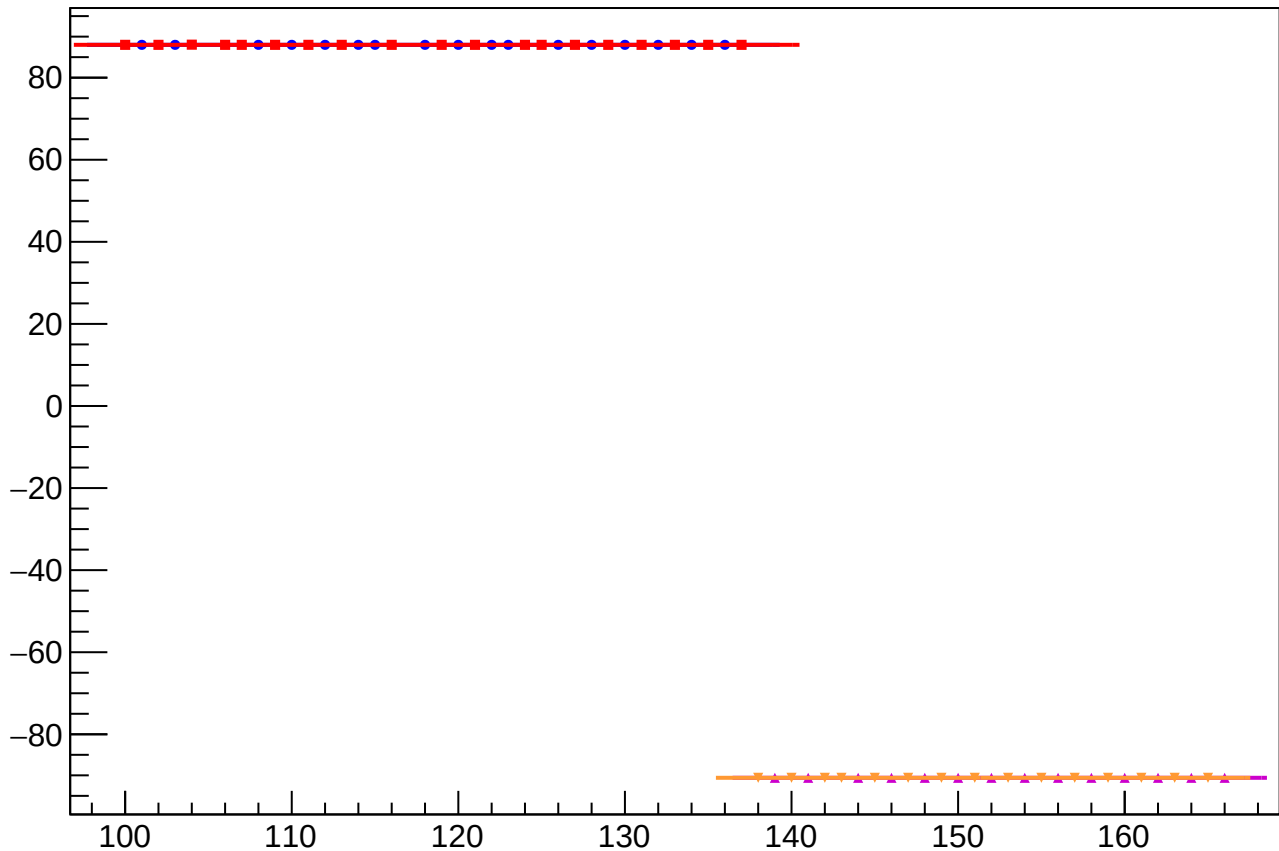
Left In: 0.009+/-0.000 χ^2/NDF :723934.8/13

+ sign 0.010+/-0.000 χ^2/NDF : 3057551.4/31

All: 0.010+/-0.000 χ^2/NDF : 6601003.0/64

- sign 0.010+/-0.000 χ^2/NDF : 3543447.8/32

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: 5306597.9/14

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77545892857504626270604886016.0/18

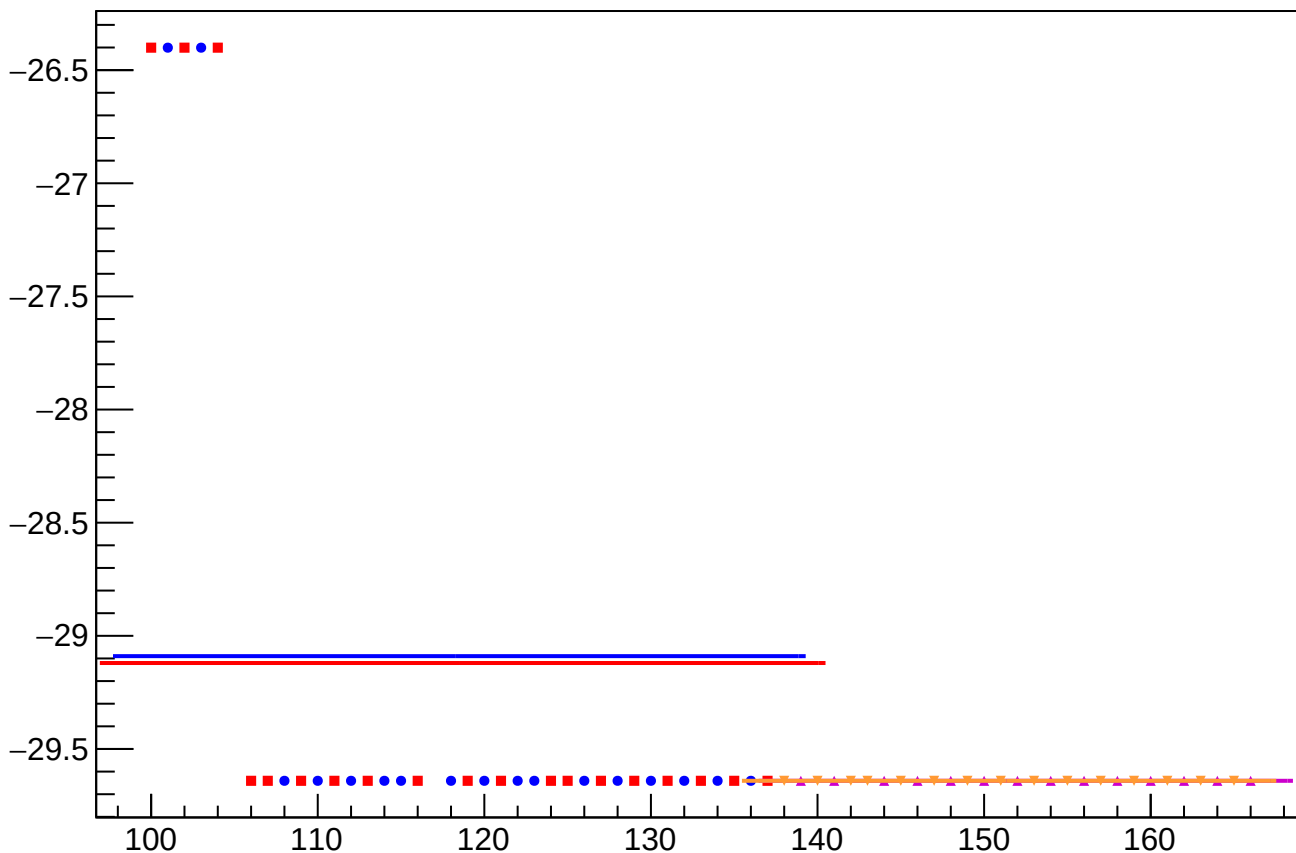
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5230665.3/13

+ sign -23.309 $\pm$ 0.000 χ^2 /NDF: 137966816001737

All: -21.933 $\pm$ 0.000 χ^2 /NDF: 278024488219

- sign -20.555 $\pm$ 0.000 χ^2 /NDF: 1399878367177693

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 : 218091.6/14

Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18

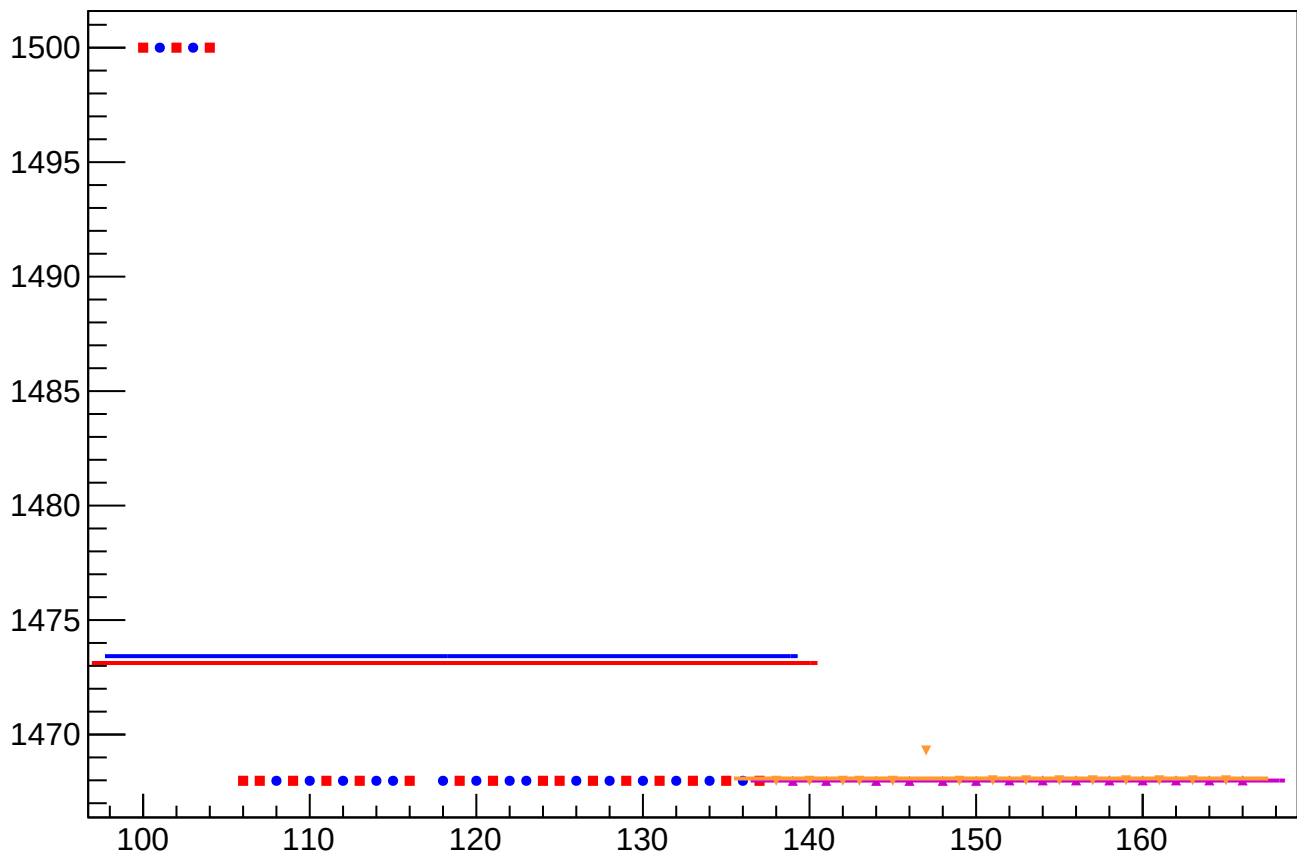
Left In: -29.641+/-0.000 χ^2/NDF : 135154.0/13

+ sign -29.433+/-0.000 χ^2/NDF : 115936360651464

All: -29.435+/-0.000 χ^2/NDF : 230036818941

- sign -29.437+/-0.000 χ^2/NDF : 1140993894622467

epics_psub_pl_poss_mean vs Slug



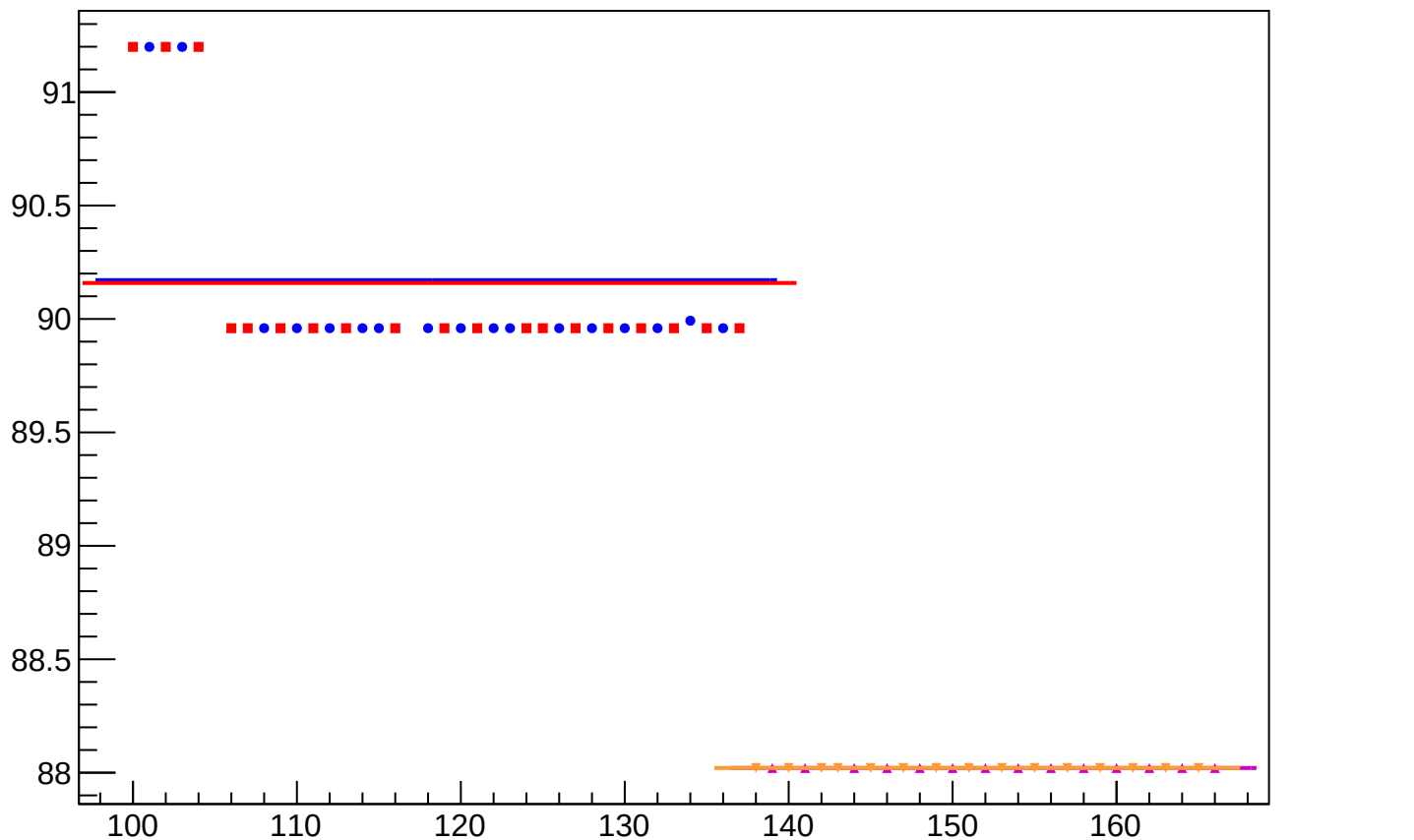
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.080+/-0.000 χ^2/NDF : 124941602692703515672762310983680.0/14 + sign 1470.093+/-0.000 χ^2/NDF : 11289712589581

Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18 All: 1470.049+/-0.000 χ^2/NDF : 22430330820

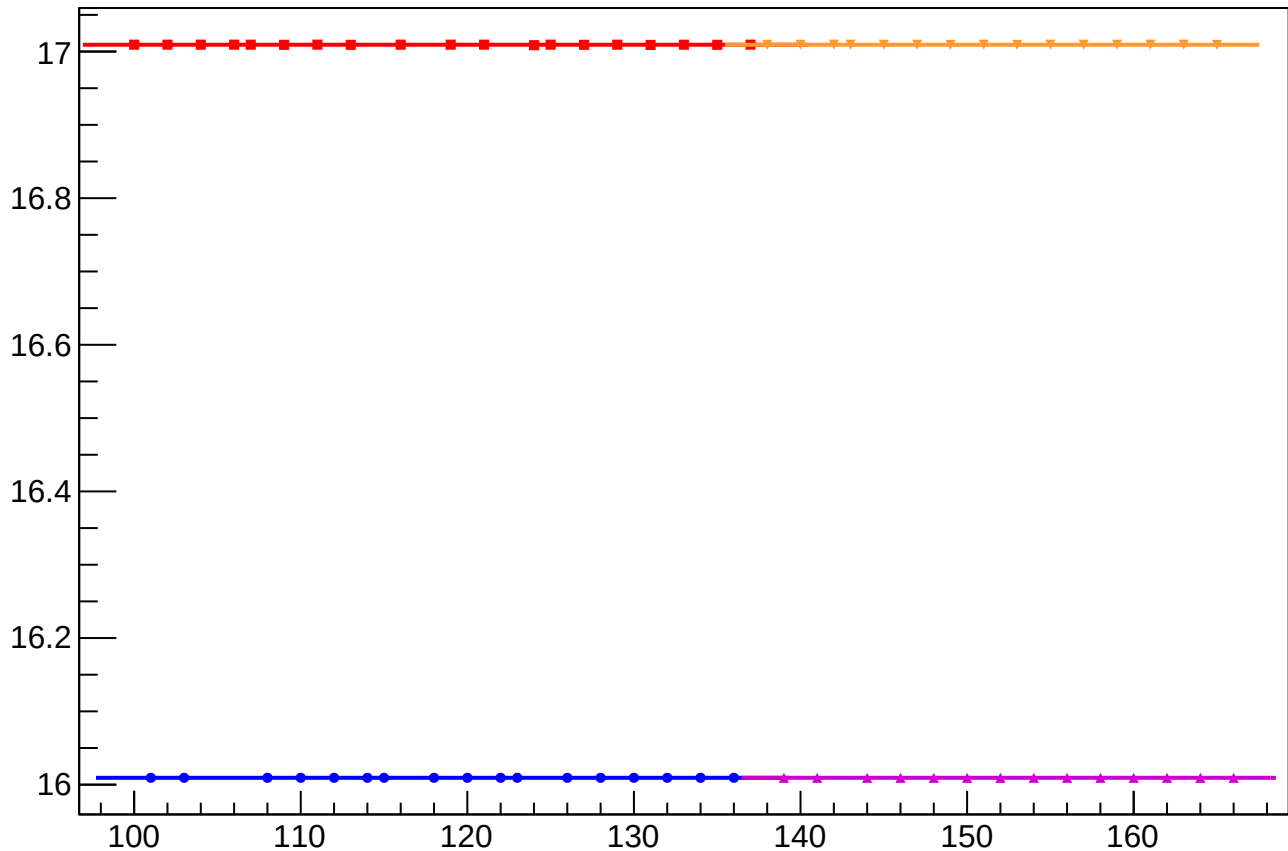
Left In: 1467.990+/-0.000 χ^2/NDF : 110676675579648352636117188608.0/13 - sign 1470.004+/-0.000 χ^2/NDF : 11139875556441

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: 4477599.7/14
 Right Out: 90.159 $\pm$ 0.000 χ^2 /NDF: 149705165651000025160777180643328.0/18
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 4964295.4/13
 + sign 88.831 $\pm$ 0.000 χ^2 /NDF: 2150465044832761
 All: 88.845 $\pm$ 0.000 χ^2 /NDF: 4306551789115
 - sign 88.859 $\pm$ 0.000 χ^2 /NDF: 2155354510185917

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: 17725488698456462548008960.0/14

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12516014336037541461884928.0/18

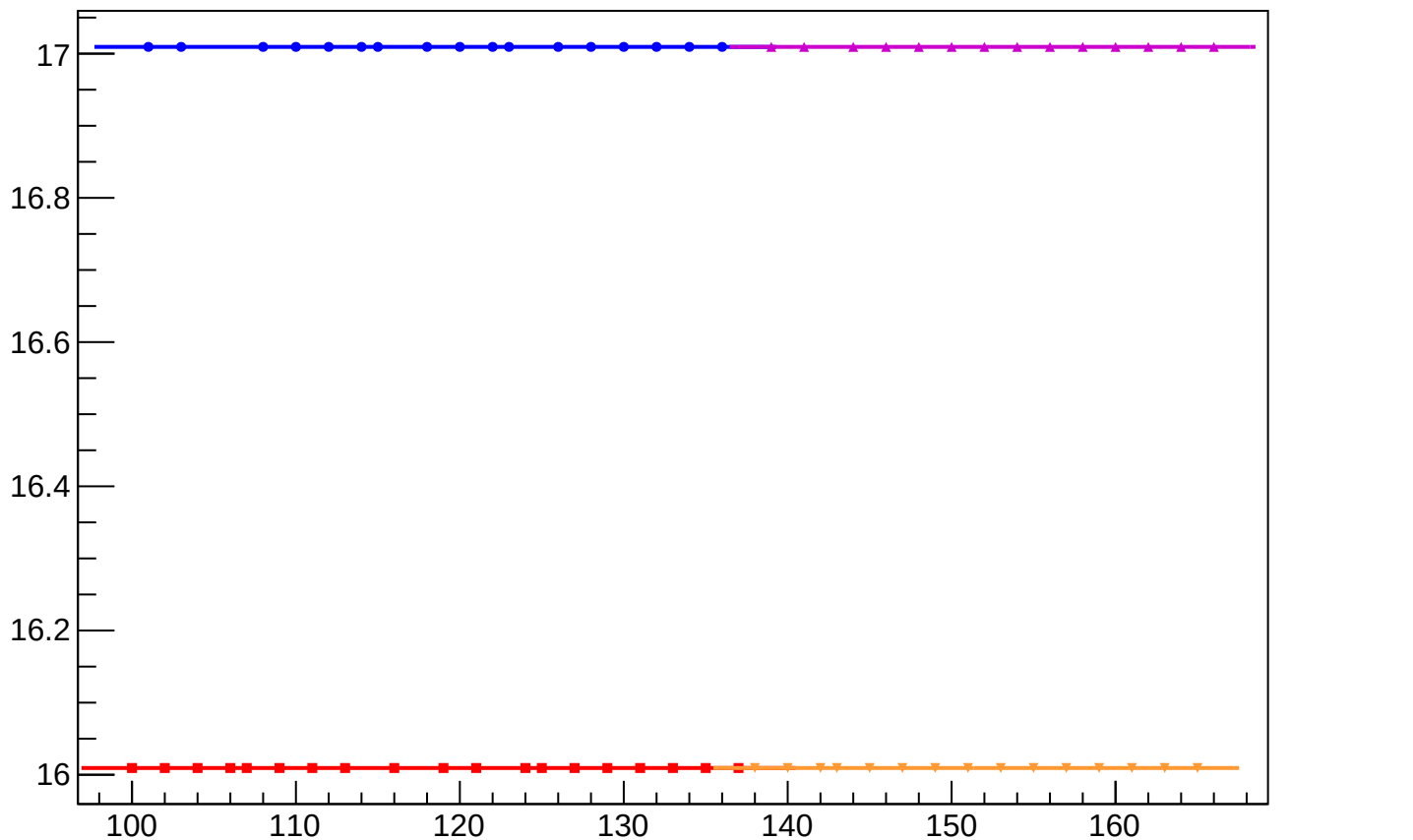
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 72676.2/13

+ sign 16.621 $\pm$ 0.000 χ^2 /NDF: 4051478076221618

All: 16.508 $\pm$ 0.000 χ^2 /NDF: 8507845262962

- sign 16.395 $\pm$ 0.000 χ^2 /NDF: 4018846025998673

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 132629.6/16

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 53857.1/14

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 39518.8/18

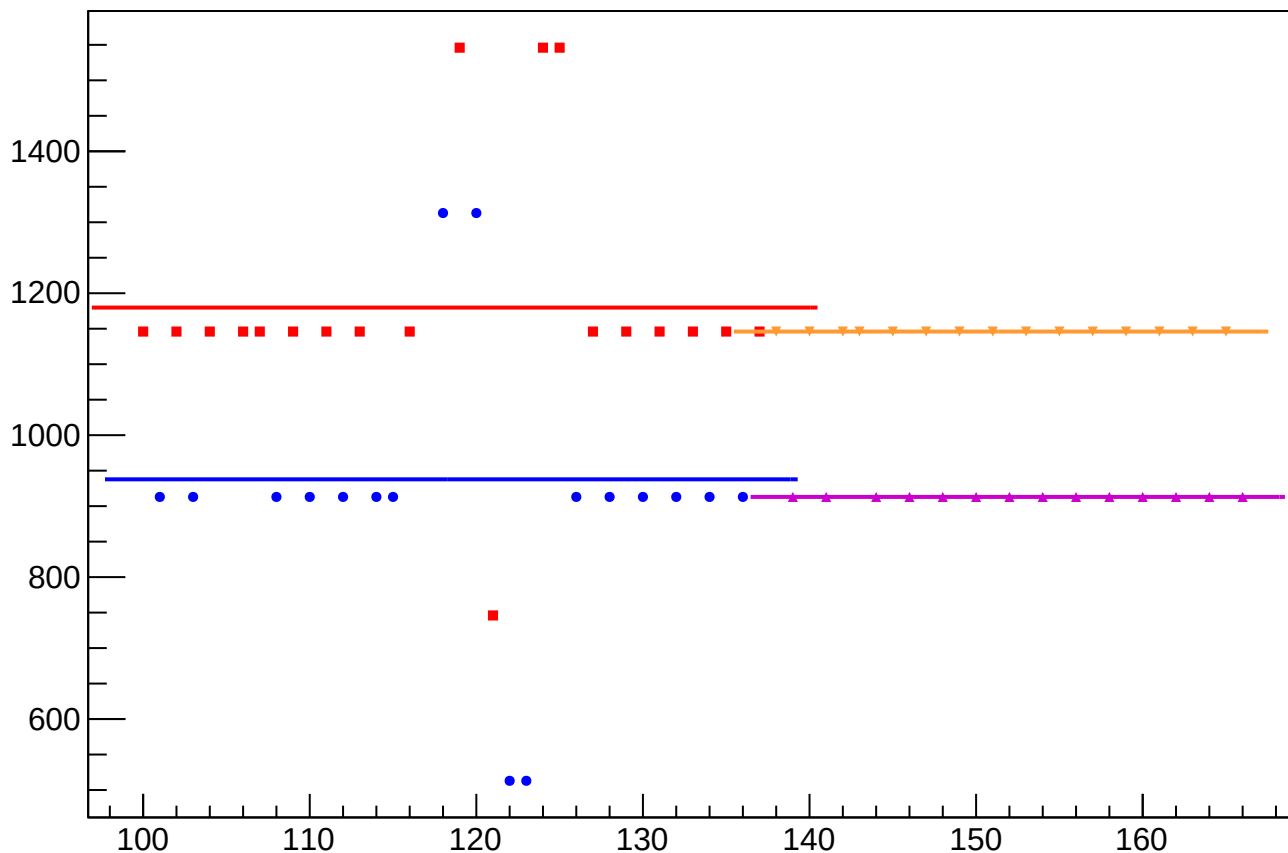
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 37941.1/13

+ sign 16.377 $\pm$ 0.000 χ^2 /NDF: 4188013318534909

All: 16.496 $\pm$ 0.000 χ^2 /NDF: 9033891039822

- sign 16.615 $\pm$ 0.000 χ^2 /NDF: 4331780595368981

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 : 3929071625948071457223344128.0/14

Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18

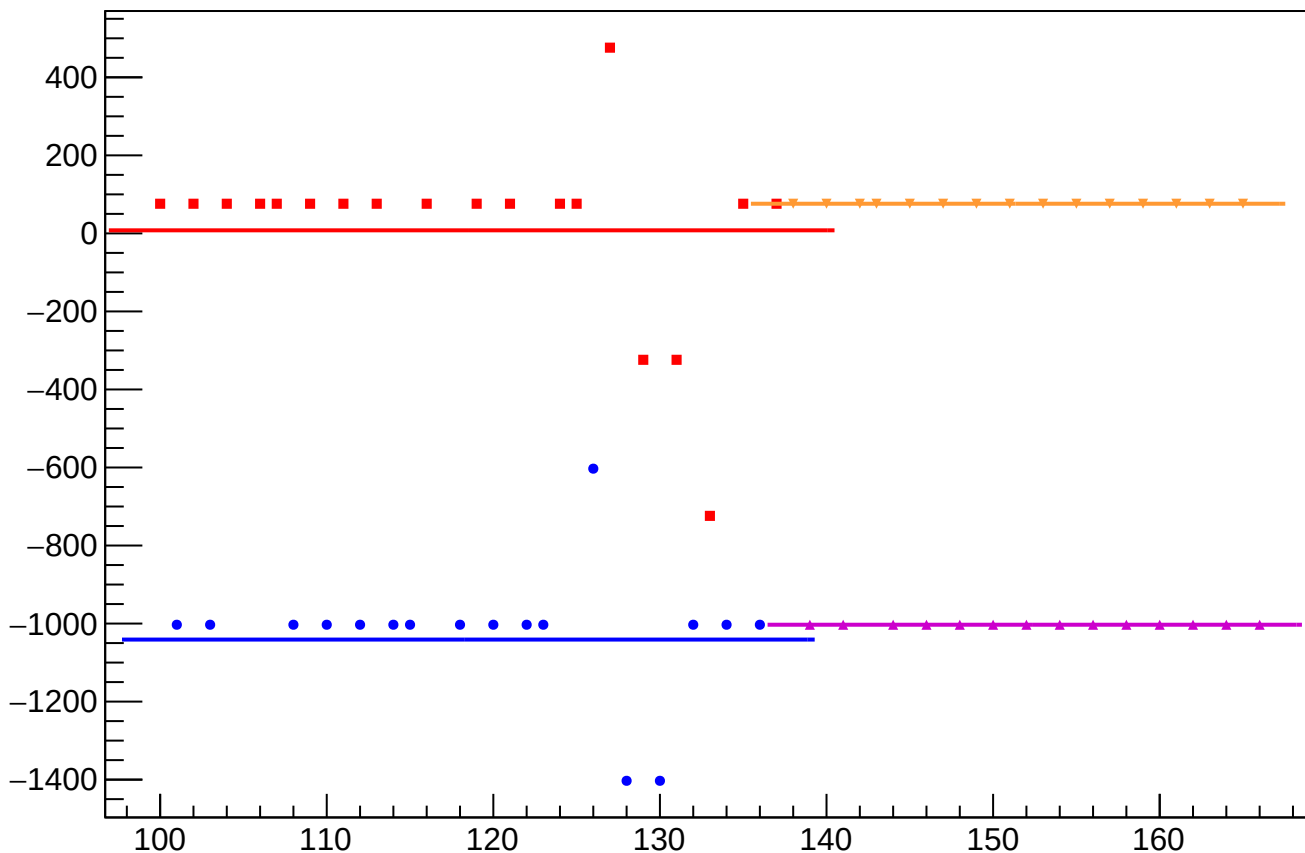
Left In: 912.994+/-0.000 χ^2/NDF : 17953035482576296966491209728.0/13

All: 1042.601+/-0.000 χ^2/NDF : 94561282153

+ sign 1067.557+/-0.000 χ^2/NDF : 39609584641908

- sign 1017.632+/-0.000 χ^2/NDF : 52656720733829

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 : 9503546090928079927311859712.0/14

Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18

Left In: -1002.990+/-0.000 χ^2/NDF : 1823351229932920573165305856.0/13

All: -475.667+/-0.000 χ^2/NDF : 11177066559

- sign -606.555+/-0.000 χ^2/NDF : 49227309808745