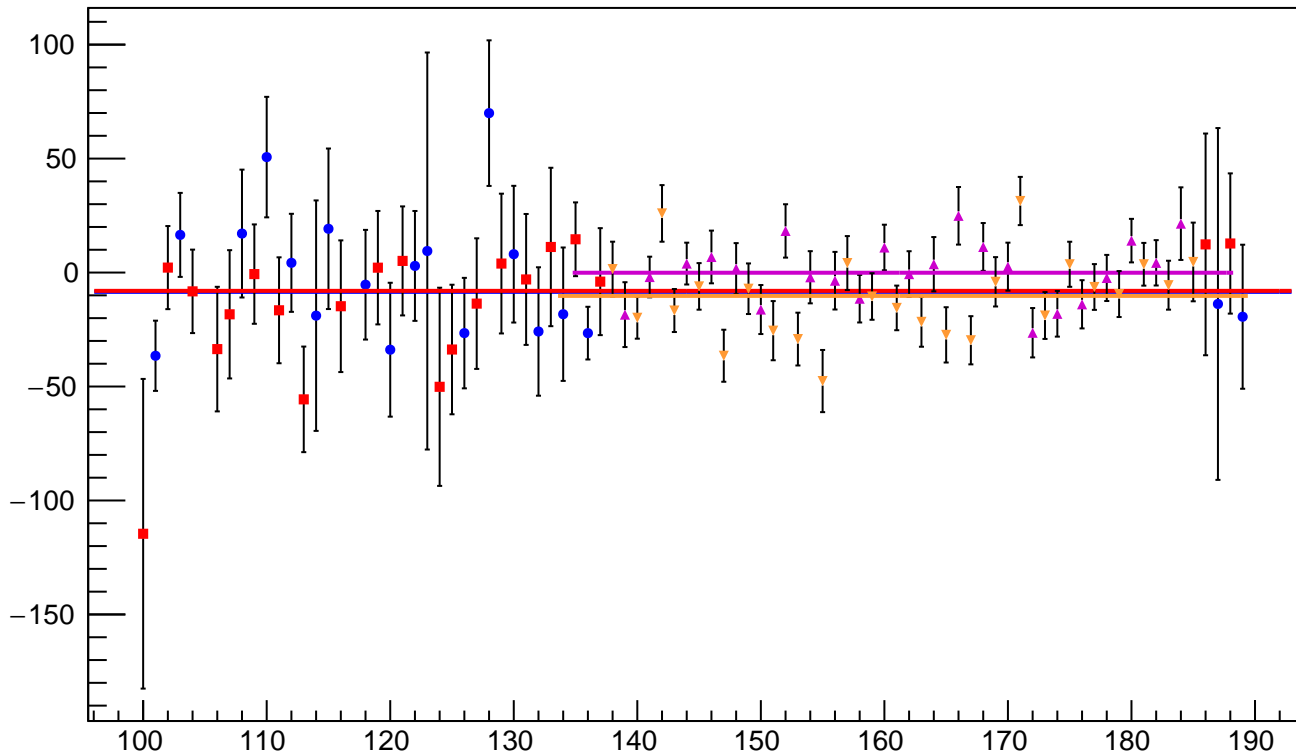


diff_bpm4aX_mean vs Slug



Right In: -8.470 ± 5.519

χ^2/NDF : 23.0/18

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -8.026 ± 5.556

χ^2/NDF : 13.7/20

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -10.001 ± 2.020

χ^2/NDF : 81.2/43

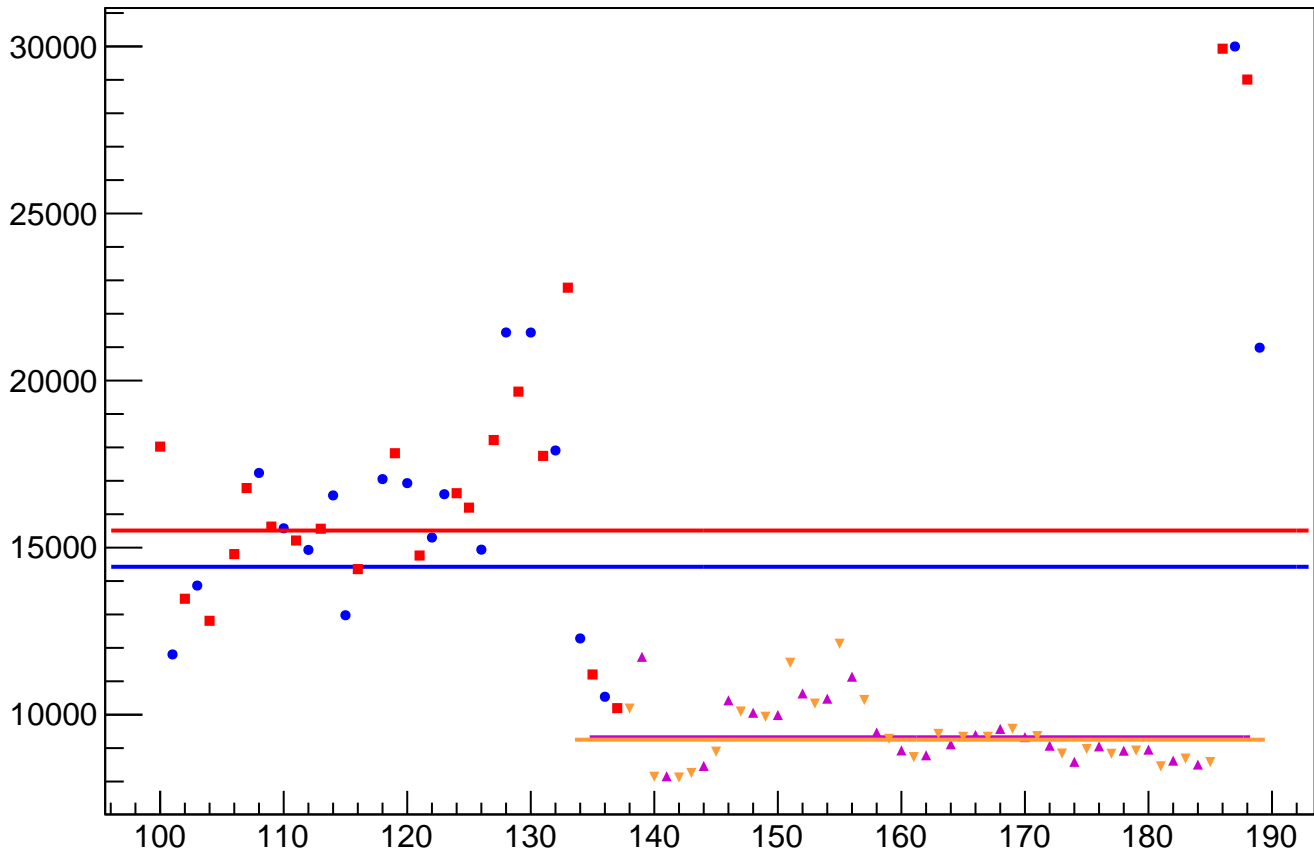
All: -5.743 ± 1.451

χ^2/NDF : 135.7/87

- sign -1.200 ± 2.086

χ^2/NDF : 45.3/43

diff_bpm4aX_rms vs Slug



Right In: 14427.000+/-3.902 χ^2/NDF : 775923.0/18

Left Out: 9251.811+/-1.535 χ^2/NDF : 332323.3/24

Right Out: 15511.868+/-3.929 χ^2/NDF : 1061481.6/20

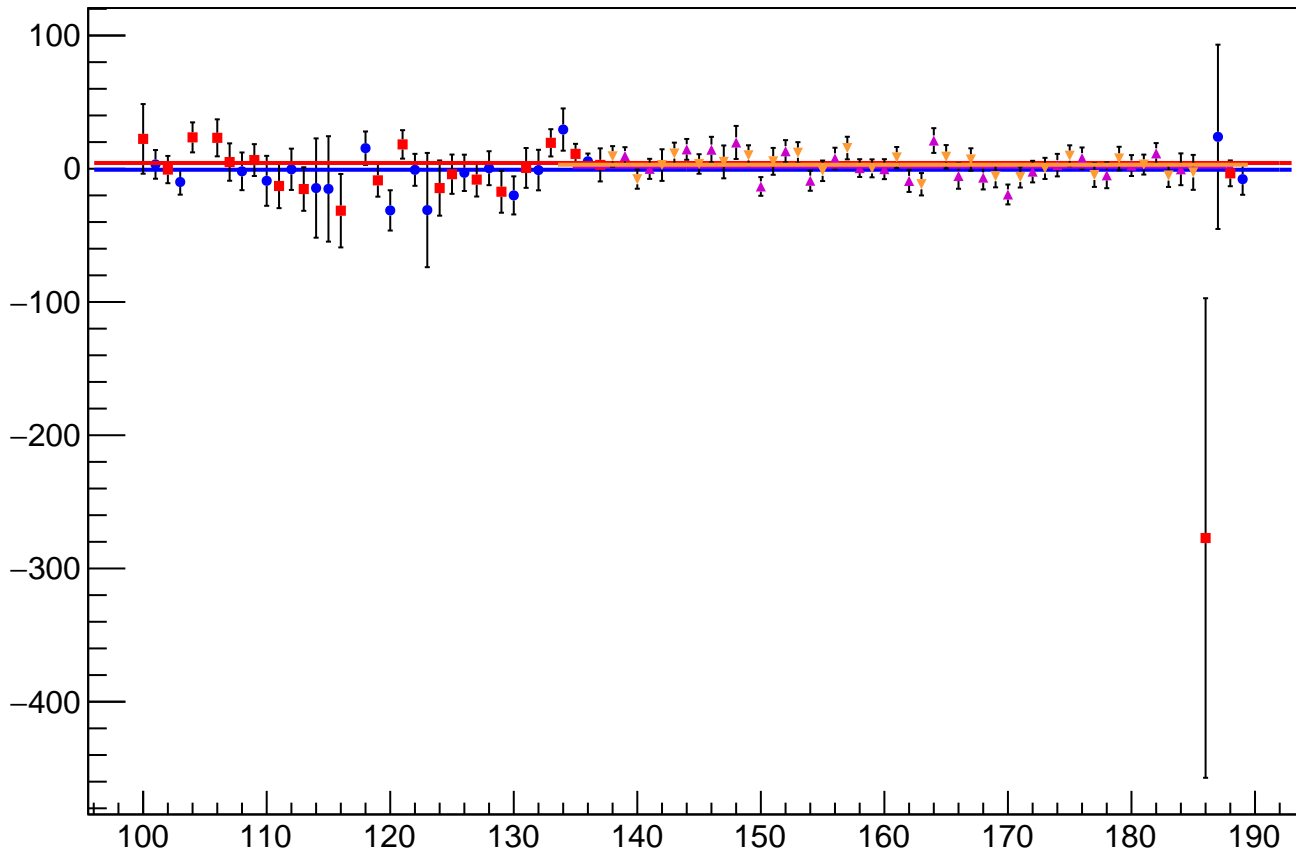
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

+ sign 9944.987+/-1.428 χ^2/NDF : 2631548.1/43

All: 10066.537+/-1.026 χ^2/NDF : 6114889.0/8

- sign 10196.191+/-1.475 χ^2/NDF : 3468369.9/43

diff_bpm4aY_mean vs Slug



Right In: -0.751 ± 2.973 $\chi^2/\text{NDF}: 14.9/18$

Left Out: 3.027 ± 1.661 $\chi^2/\text{NDF}: 18.6/24$

Right Out: 4.334 ± 2.815 $\chi^2/\text{NDF}: 22.7/20$

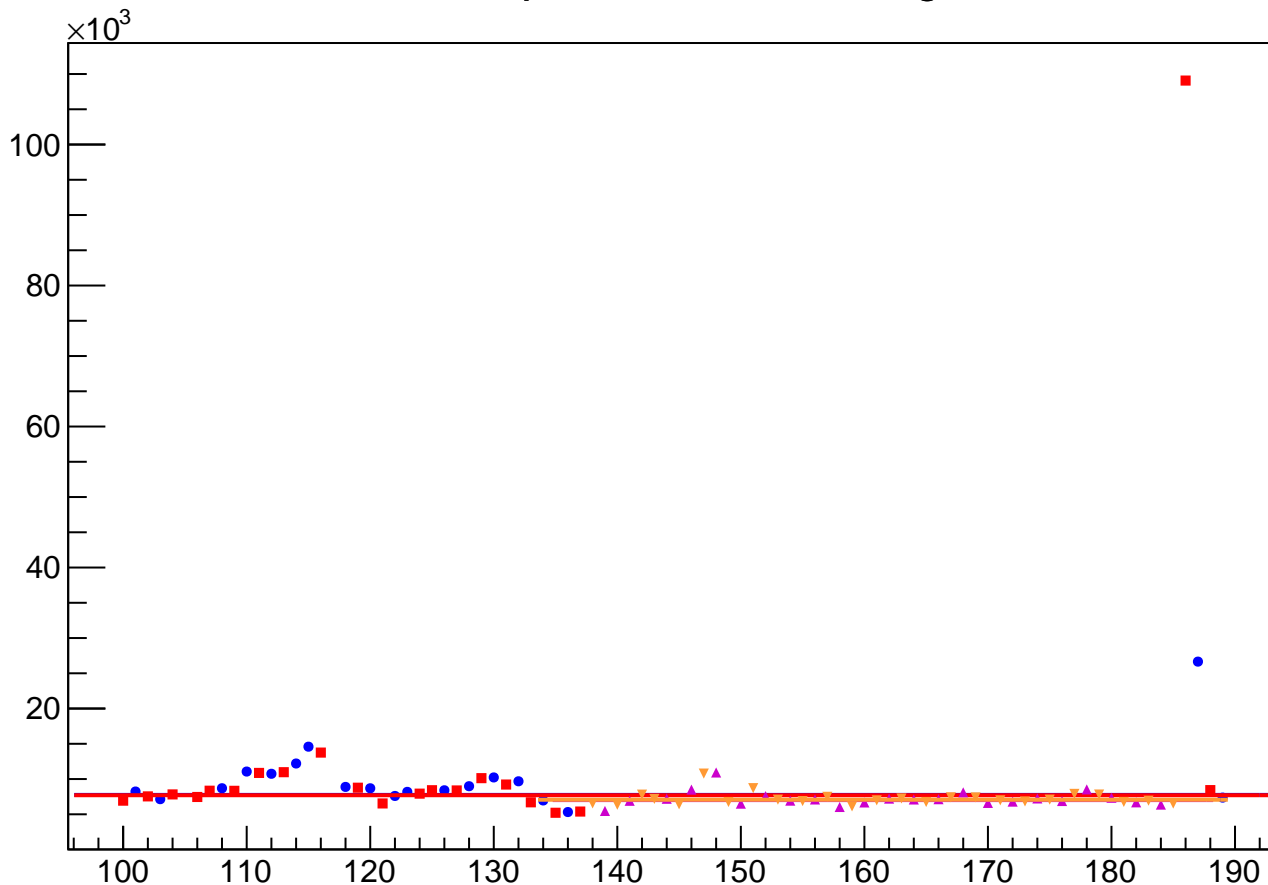
Left In: 1.588 ± 1.703 $\chi^2/\text{NDF}: 35.5/22$

+ sign 2.129 ± 1.450 $\chi^2/\text{NDF}: 34.8/43$

All: 2.226 ± 1.028 $\chi^2/\text{NDF}: 93.7/87$

- sign 2.324 ± 1.457 $\chi^2/\text{NDF}: 58.9/43$

diff_bpm4aY_rms vs Slug



Right In: 7749.938 \pm 2.102 χ^2 /NDF: 892577.0/18

Left Out: 7064.457 \pm 1.174 χ^2 /NDF:386814.9/24

Right Out: 7705.363 \pm 1.990 χ^2 /NDF: 1331050.3/20

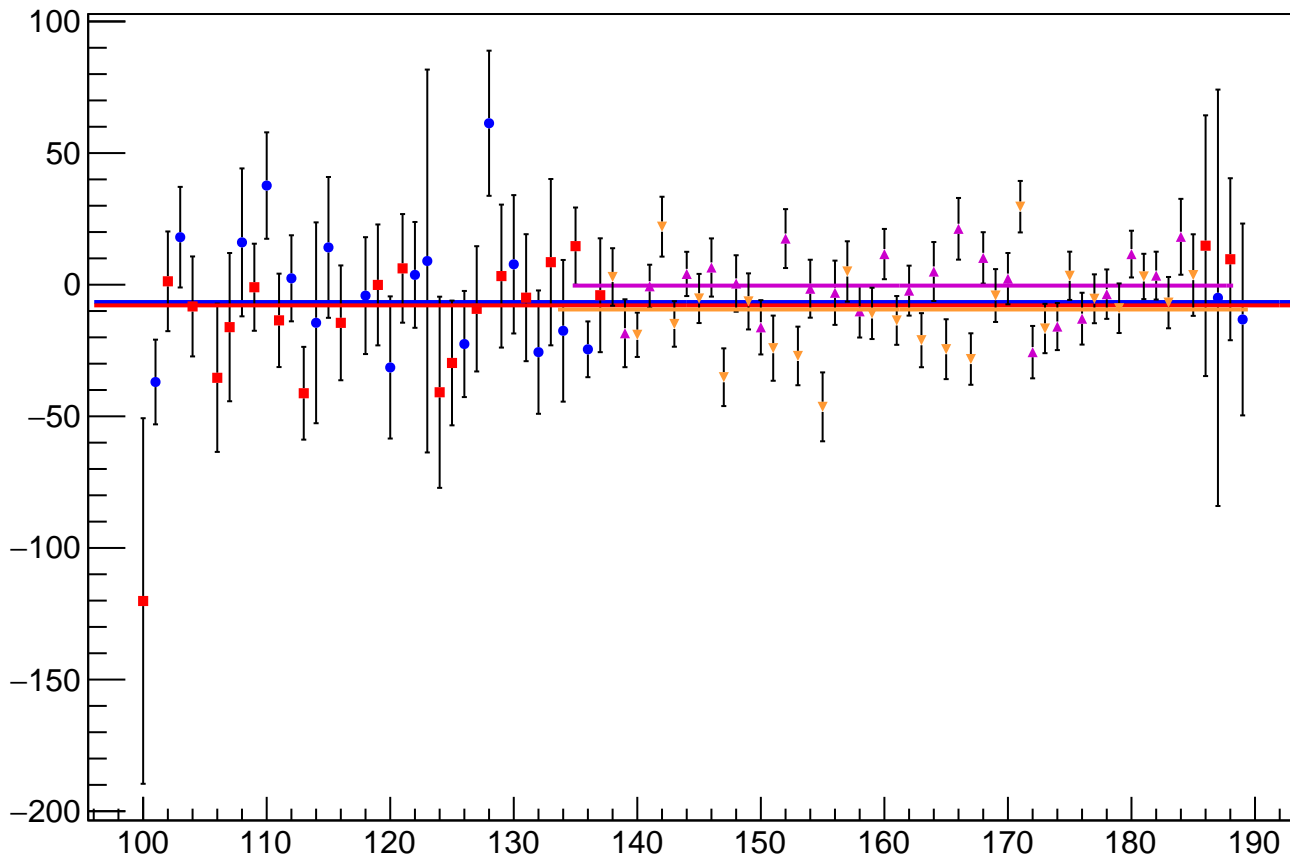
Left In: 7014.572 \pm 1.204 χ^2 /NDF:525313.7/22

+ sign 7227.430 \pm 1.025 χ^2 /NDF: 1360417.6/43

All: 7213.594 \pm 0.727 χ^2 /NDF: 3305344.8/87

- sign 7199.624 \pm 1.030 χ^2 /NDF: 1944561.2/43

diff_bpm4eX_mean vs Slug



Right In: -6.583 ± 4.971 χ^2/NDF : 23.5/18

Left Out: -9.411 ± 2.021 χ^2/NDF : 58.8/24

Right Out: -7.851 ± 4.919 χ^2/NDF : 13.5/20

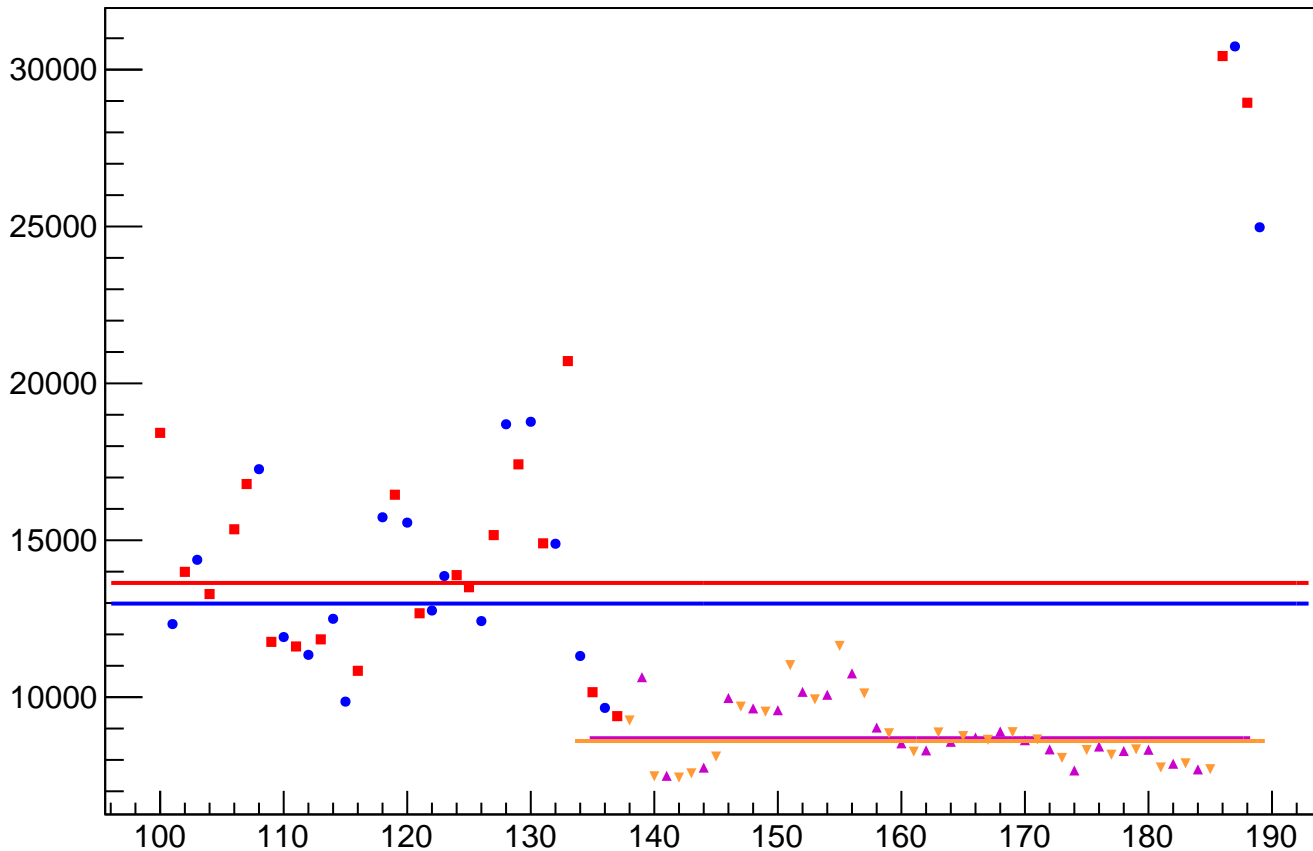
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.010 ± 1.872 χ^2/NDF : 82.6/43

All: -5.373 ± 1.344 χ^2/NDF : 135.7/87

- sign -1.502 ± 1.932 χ^2/NDF : 45.4/43

diff_bpm4eX_rms vs Slug



Right In: 12982.065 \pm 3.515 χ^2 /NDF: 883264.5/18

Left Out: 8602.220 \pm 1.429 χ^2 /NDF:438805.2/24

Right Out: 13640.006 \pm 3.478 χ^2 /NDF: 1250571.6/20

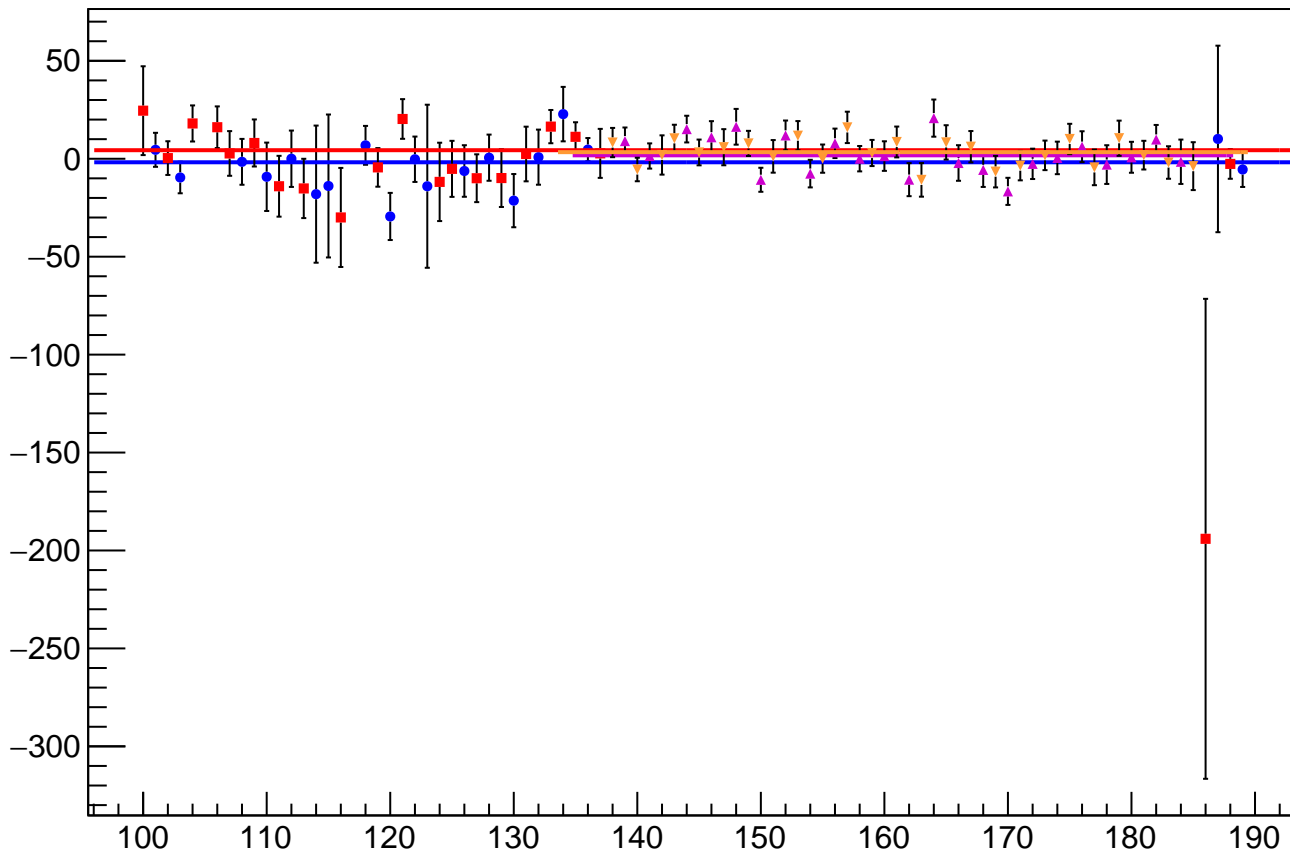
Left In: 8691.203 \pm 1.485 χ^2 /NDF:365254.6/22

+ sign 9223.376 \pm 1.324 χ^2 /NDF: 2654238.0/43

All: 9335.254 \pm 0.951 χ^2 /NDF: 5996805.4/87

- sign 9454.364 \pm 1.366 χ^2 /NDF: 3327821.9/43

diff_bpm4eY_mean vs Slug



Right In: -1.799 ± 2.663 $\chi^2/\text{NDF}: 15.0/18$

Left Out: 3.374 ± 1.552 $\chi^2/\text{NDF}: 17.2/24$

Right Out: 4.367 ± 2.497 $\chi^2/\text{NDF}: 22.5/20$

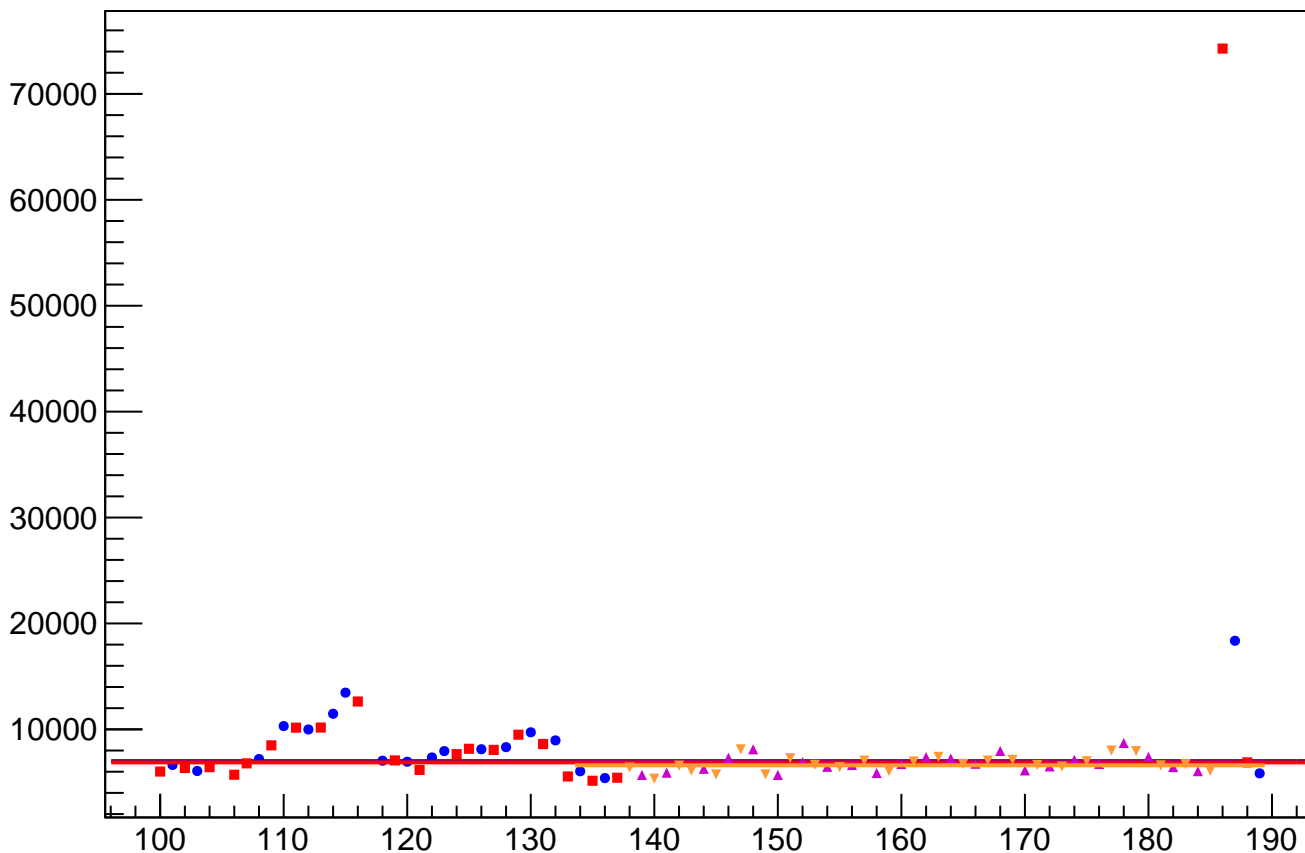
Left In: 1.756 ± 1.607 $\chi^2/\text{NDF}: 33.5/22$

+ sign 2.063 ± 1.341 $\chi^2/\text{NDF}: 35.0/43$

All: 2.290 ± 0.952 $\chi^2/\text{NDF}: 91.8/87$

- sign 2.521 ± 1.351 $\chi^2/\text{NDF}: 56.8/43$

diff_bpm4eY_rms vs Slug



Right In: 6996.304 \pm 1.883 χ^2 /NDF: 749530.5/18

Left Out: 6603.953 \pm 1.097 χ^2 /NDF: 395247.5/24

Right Out: 6882.824 \pm 1.766 χ^2 /NDF: 1294031.8/20

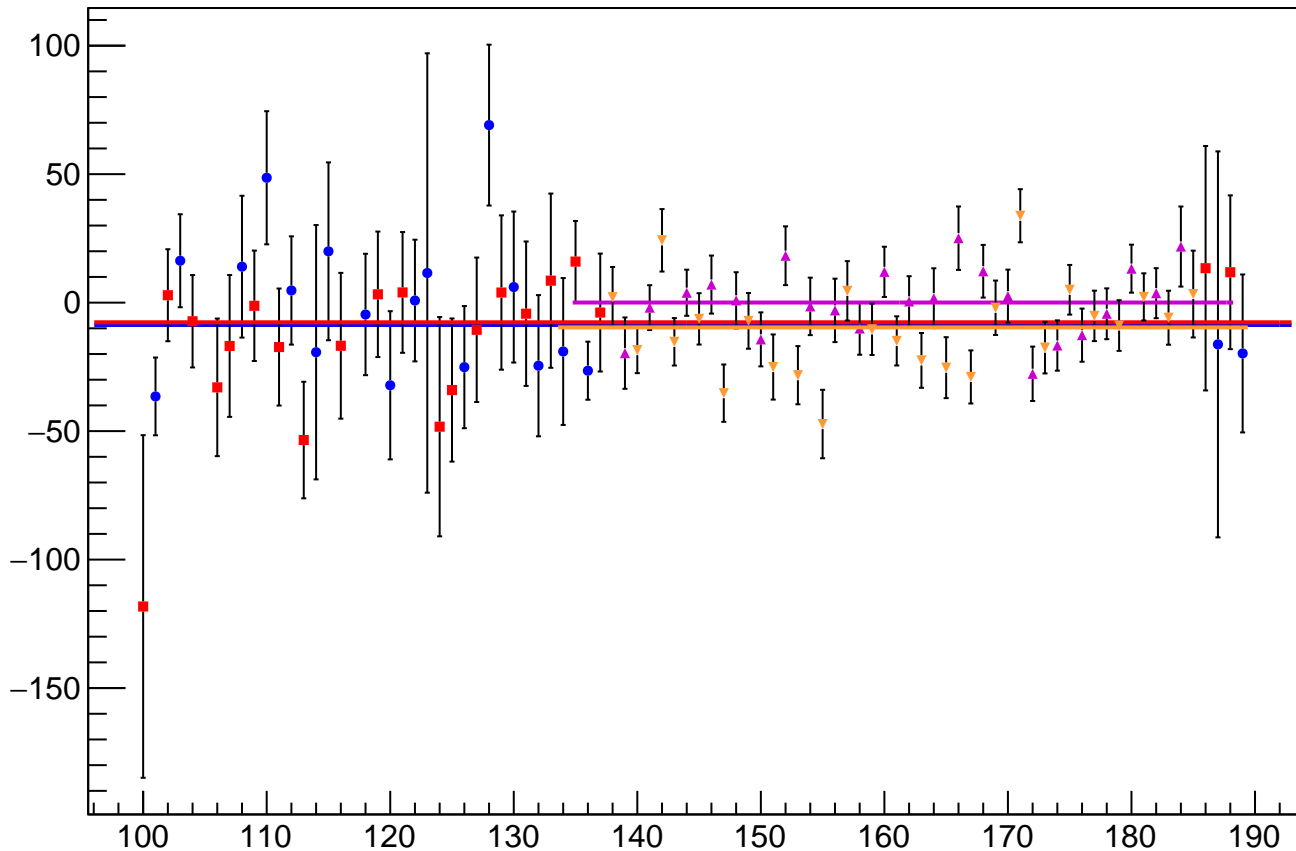
Left In: 6637.155 \pm 1.136 χ^2 /NDF: 415547.5/22

+ sign 6703.418 \pm 0.948 χ^2 /NDF: 1177189.6/43

All: 6706.239 \pm 0.673 χ^2 /NDF: 2900475.8/87

- sign 6709.104 \pm 0.956 χ^2 /NDF: 1723268.4/43

diff_bpm4acX_mean vs Slug



Right In: -8.688 ± 5.407 $\chi^2/\text{NDF}: 22.9/18$

Left Out: -9.640 ± 2.122 $\chi^2/\text{NDF}: 59.9/24$

Right Out: -7.649 ± 5.445 $\chi^2/\text{NDF}: 14.1/20$

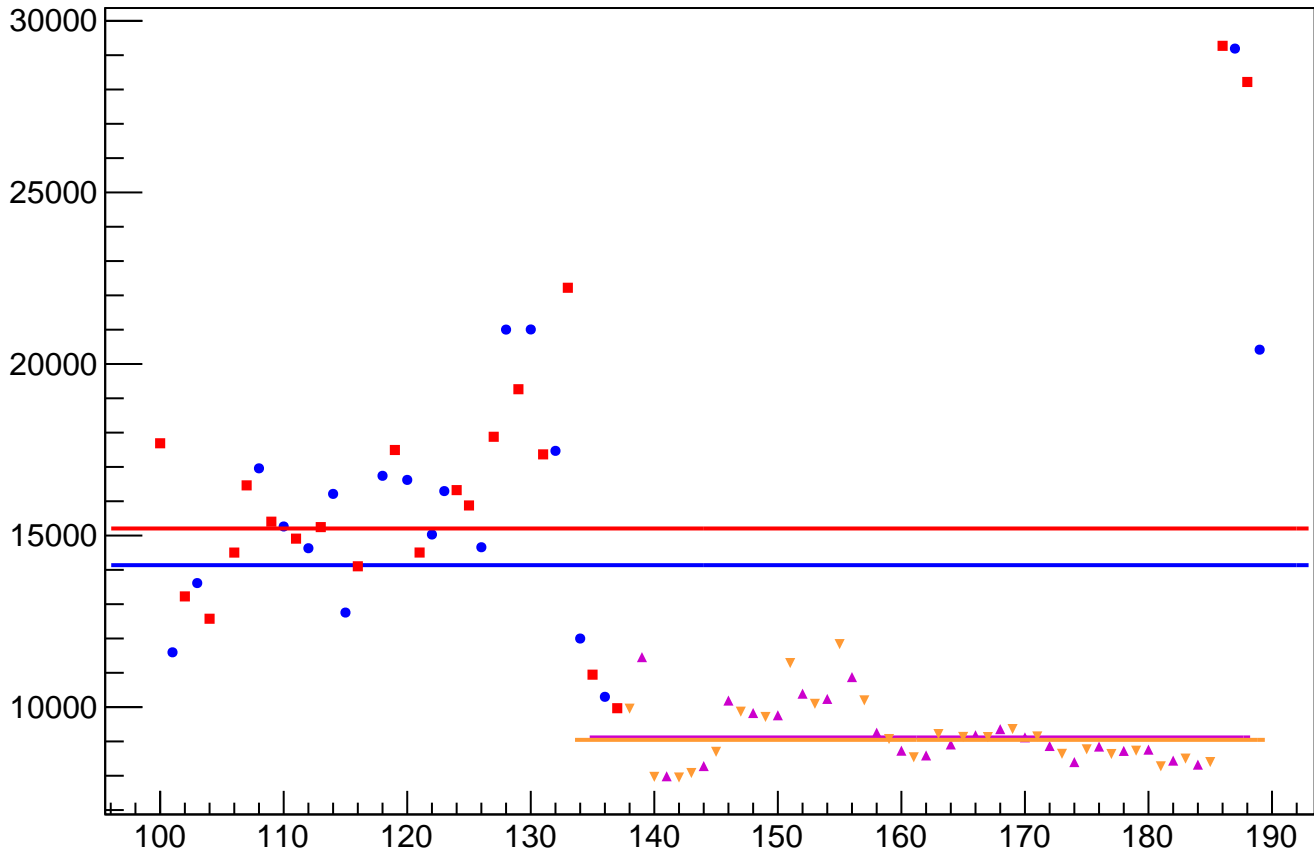
Left In: 0.042 ± 2.200 $\chi^2/\text{NDF}: 30.8/22$

+ sign -9.513 ± 1.975 $\chi^2/\text{NDF}: 82.8/43$

All: -5.412 ± 1.419 $\chi^2/\text{NDF}: 138.3/87$

- sign -1.037 ± 2.040 $\chi^2/\text{NDF}: 46.6/43$

diff_bpm4acX_rms vs Slug



Right In: 14137.092 \pm 3.824 χ^2 /NDF: 775312.9/18

Left Out: 9045.871 \pm 1.500 χ^2 /NDF:328508.5/24

Right Out: 15206.053 \pm 3.850 χ^2 /NDF: 1055621.5/20

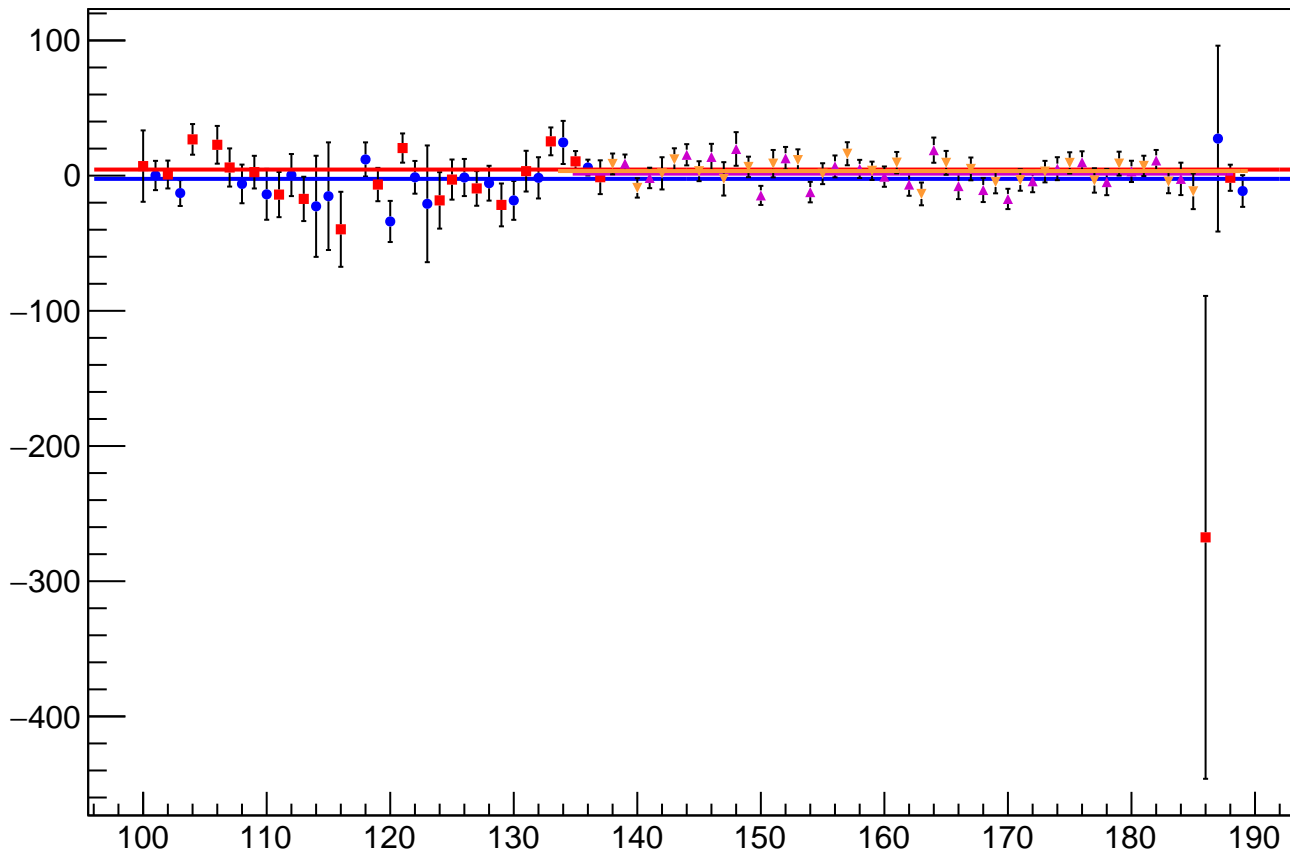
Left In: 9115.817 \pm 1.556 χ^2 /NDF:272471.8/22

+ sign 9725.113 \pm 1.397 χ^2 /NDF: 2640181.4/43

All: 9843.854 \pm 1.003 χ^2 /NDF: 6133884.7/87

- sign 9970.513 \pm 1.442 χ^2 /NDF: 3478764.7/43

diff_bpm4acY_mean vs Slug



Right In: -2.394 ± 2.994 $\chi^2/\text{NDF}: 14.9/18$

Left Out: 3.387 ± 1.668 $\chi^2/\text{NDF}: 19.4/24$

Right Out: 4.509 ± 2.834 $\chi^2/\text{NDF}: 27.3/20$

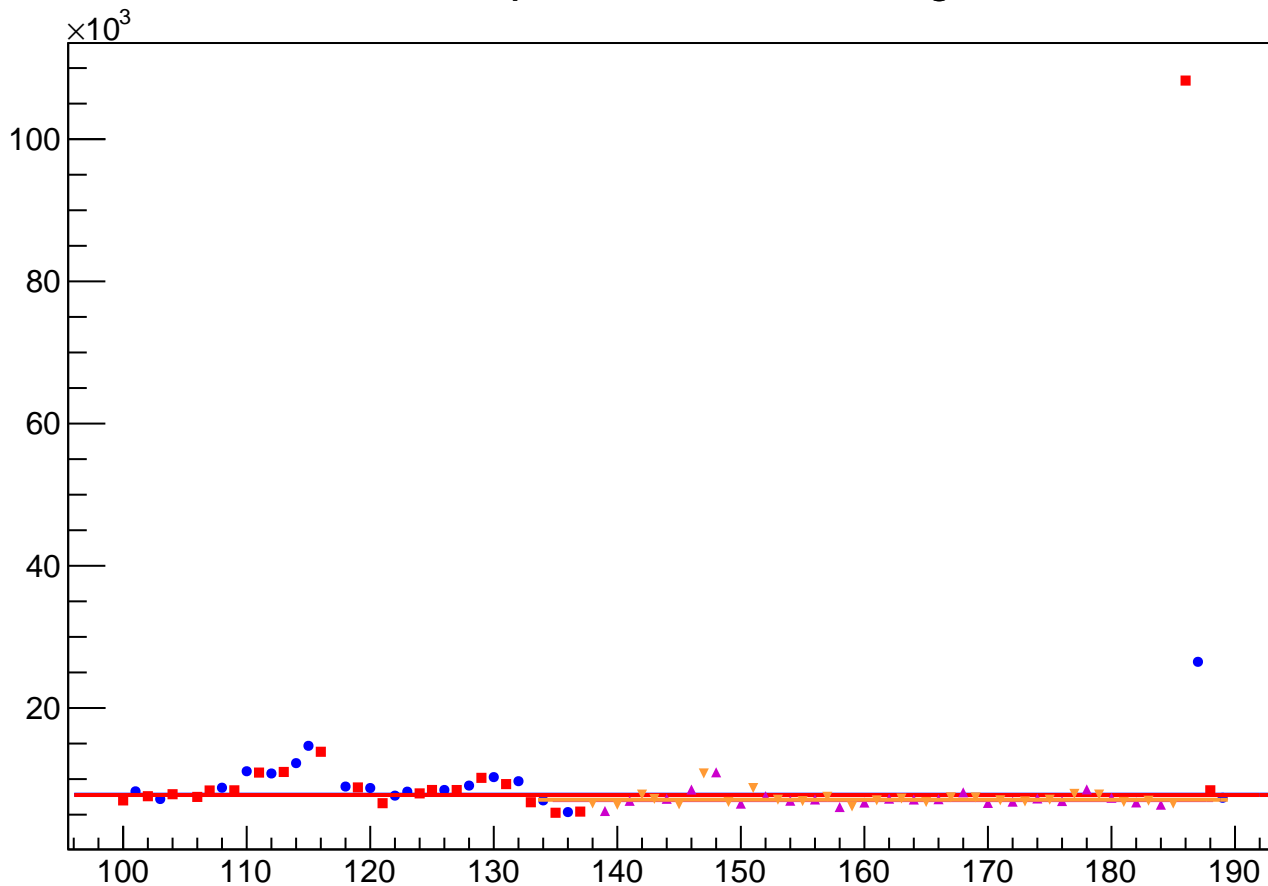
Left In: 1.479 ± 1.710 $\chi^2/\text{NDF}: 36.7/22$

+ sign 2.018 ± 1.457 $\chi^2/\text{NDF}: 37.1/43$

All: 2.152 ± 1.033 $\chi^2/\text{NDF}: 102.0/87$

- sign 2.288 ± 1.464 $\chi^2/\text{NDF}: 64.9/43$

diff_bpm4acY_rms vs Slug



Right In: 7805.716+/-2.117 χ^2 /NDF: 886878.7/18

Left Out: 7096.350+/-1.179 χ^2 /NDF:381942.1/24

Right Out: 7762.515+/-2.004 χ^2 /NDF: 1321040.6/20

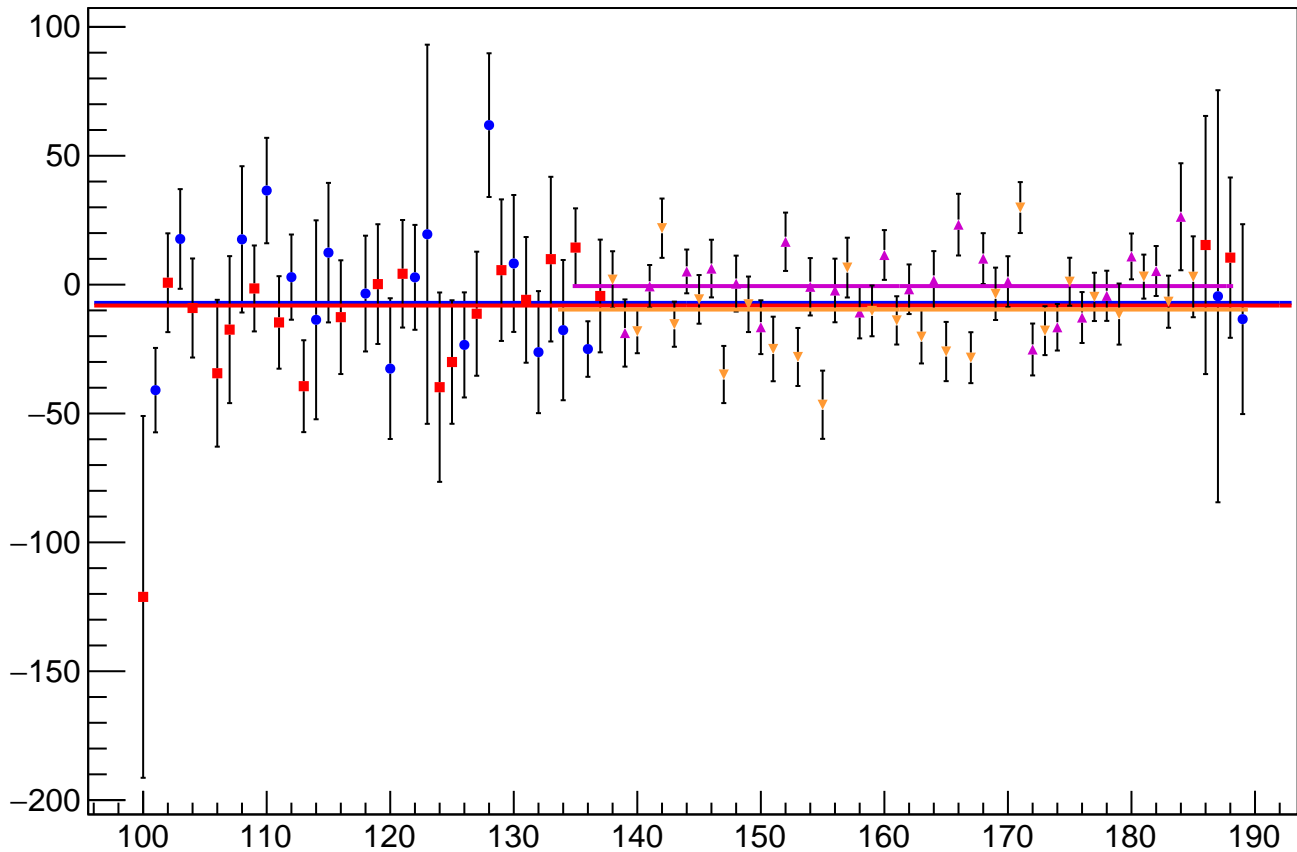
Left In: 7047.269+/-1.209 χ^2 /NDF:517433.5/22

+ sign 7264.359+/-1.030 χ^2 /NDF: 1354509.7/43

All: 7251.338+/-0.730 χ^2 /NDF: 3286678.9/87

- sign 7238.186+/-1.035 χ^2 /NDF: 1931848.0/43

diff_bpm4ecX_mean vs Slug



Right In: -7.085 ± 5.038 $\chi^2/\text{NDF}: 24.1/18$

Left Out: -9.670 ± 2.061 $\chi^2/\text{NDF}: 57.9/24$

Right Out: -8.111 ± 4.989 $\chi^2/\text{NDF}: 12.6/20$

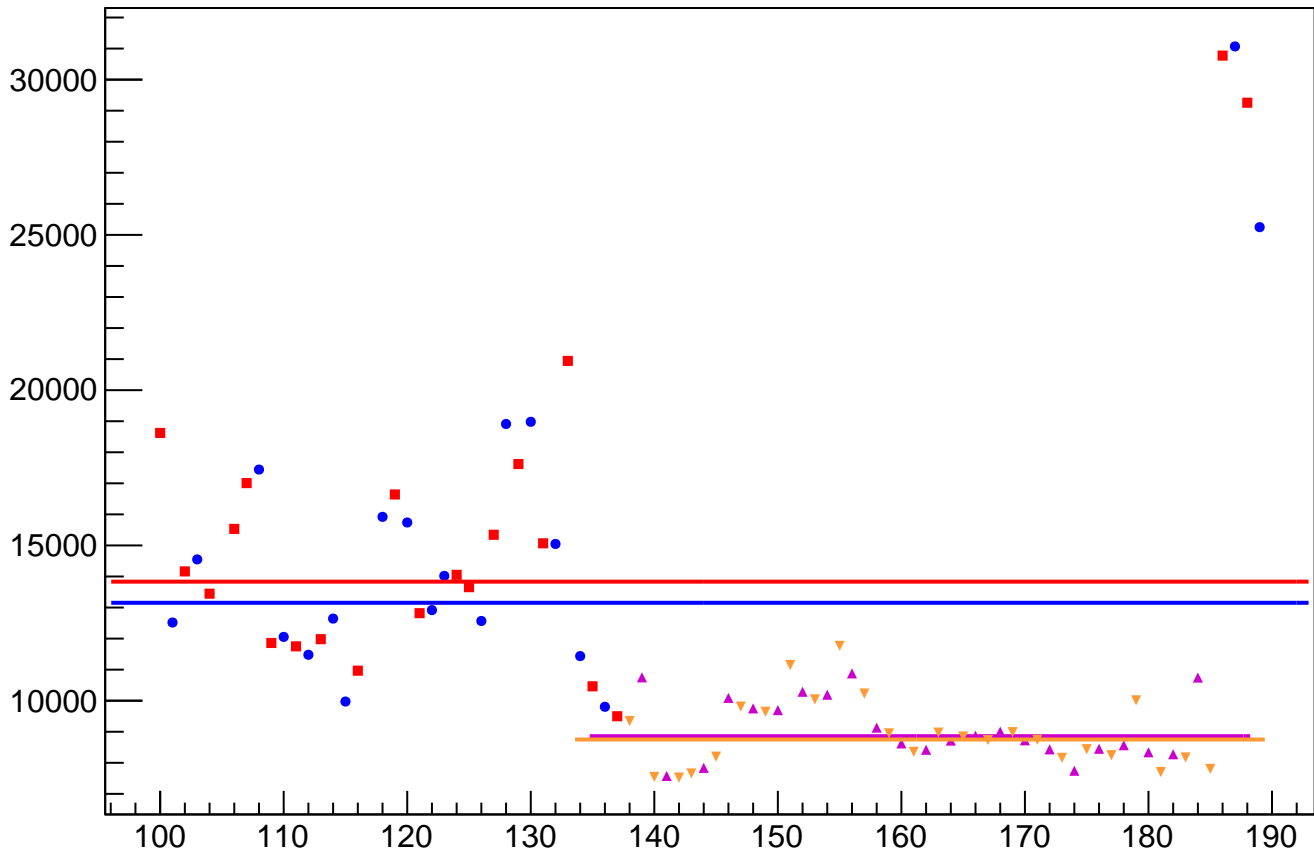
Left In: -0.564 ± 2.144 $\chi^2/\text{NDF}: 29.7/22$

+ sign -9.300 ± 1.907 $\chi^2/\text{NDF}: 82.2/43$

All: -5.641 ± 1.370 $\chi^2/\text{NDF}: 134.1/87$

- sign -1.740 ± 1.970 $\chi^2/\text{NDF}: 44.3/43$

diff_bpm4ecX_rms vs Slug



Right In: 13153.025+/-3.562 χ^2/NDF : 875467.2/18

Left Out: 8750.420+/-1.457 χ^2/NDF :463880.1/24

Right Out: 13833.923+/-3.528 χ^2/NDF : 1234501.9/20

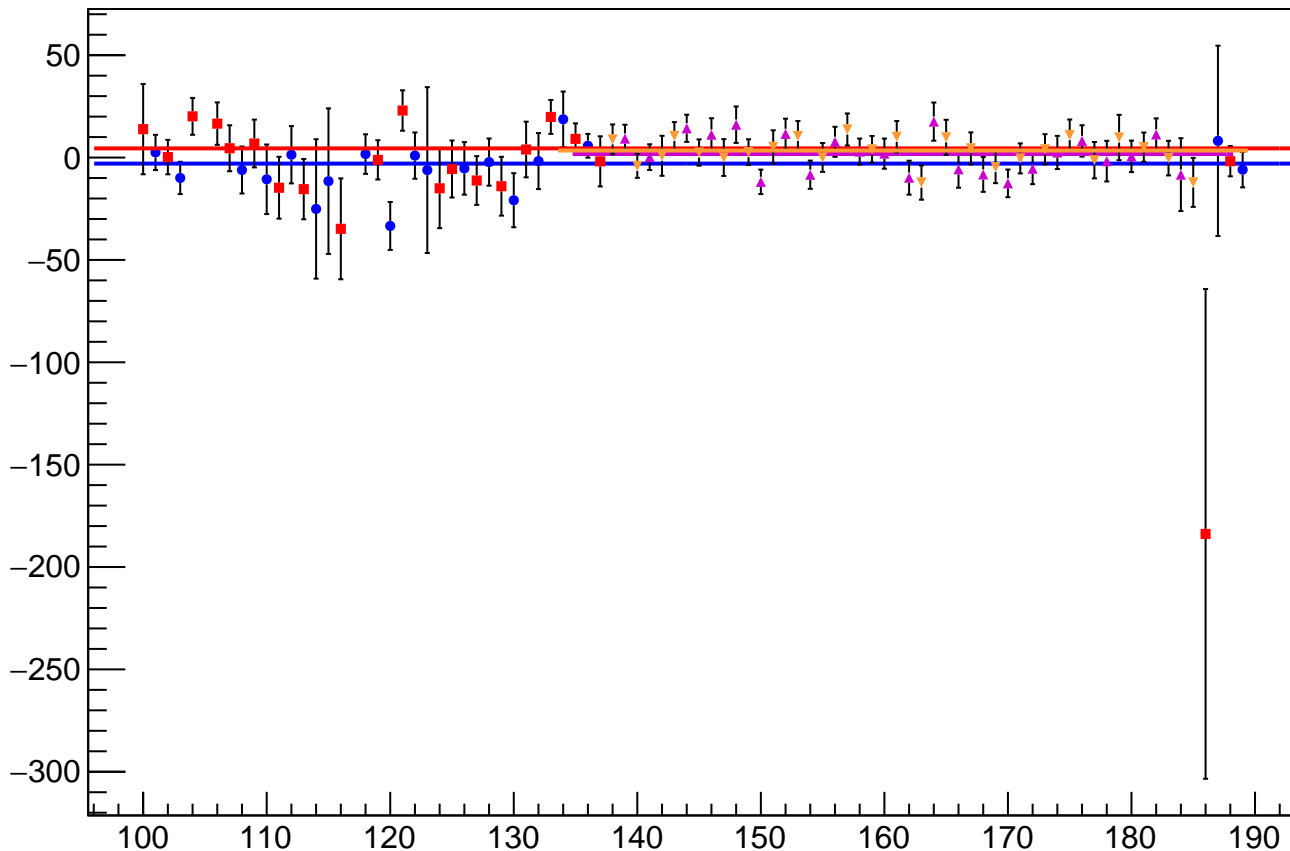
Left In: 8857.329+/-1.516 χ^2/NDF :361778.8/22

+ sign 9381.420+/-1.349 χ^2/NDF : 2647835.5/43

All: 9503.182+/-0.969 χ^2/NDF : 5941073.2/87

- sign 9633.026+/-1.393 χ^2/NDF : 3276393.8/43

diff_bpm4ecY_mean vs Slug



Right In: -2.950 ± 2.605 $\chi^2/\text{NDF}: 16.0/18$

Left Out: 3.433 ± 1.526 $\chi^2/\text{NDF}: 16.2/24$

Right Out: 4.480 ± 2.446 $\chi^2/\text{NDF}: 26.9/20$

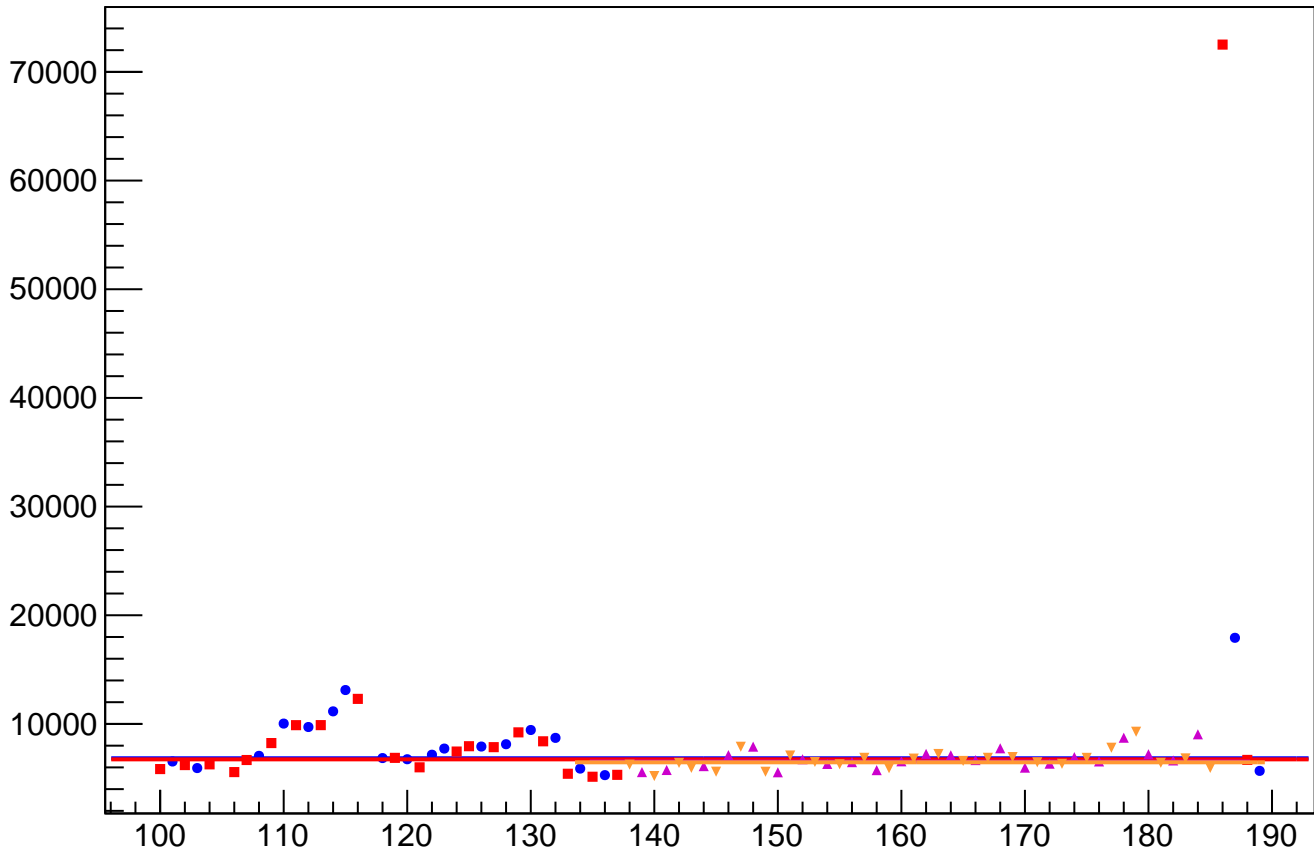
Left In: 1.734 ± 1.586 $\chi^2/\text{NDF}: 33.6/22$

+ sign 1.803 ± 1.317 $\chi^2/\text{NDF}: 36.7/43$

All: 2.171 ± 0.936 $\chi^2/\text{NDF}: 98.3/87$

- sign 2.547 ± 1.331 $\chi^2/\text{NDF}: 61.4/43$

diff_bpm4ecY_rms vs Slug



Right In: 6840.318+/-1.842 χ^2 /NDF: 738387.2/18

Left Out: 6468.872+/-1.079 χ^2 /NDF: 487187.3/24

Right Out: 6739.705+/-1.729 χ^2 /NDF: 1265114.4/20

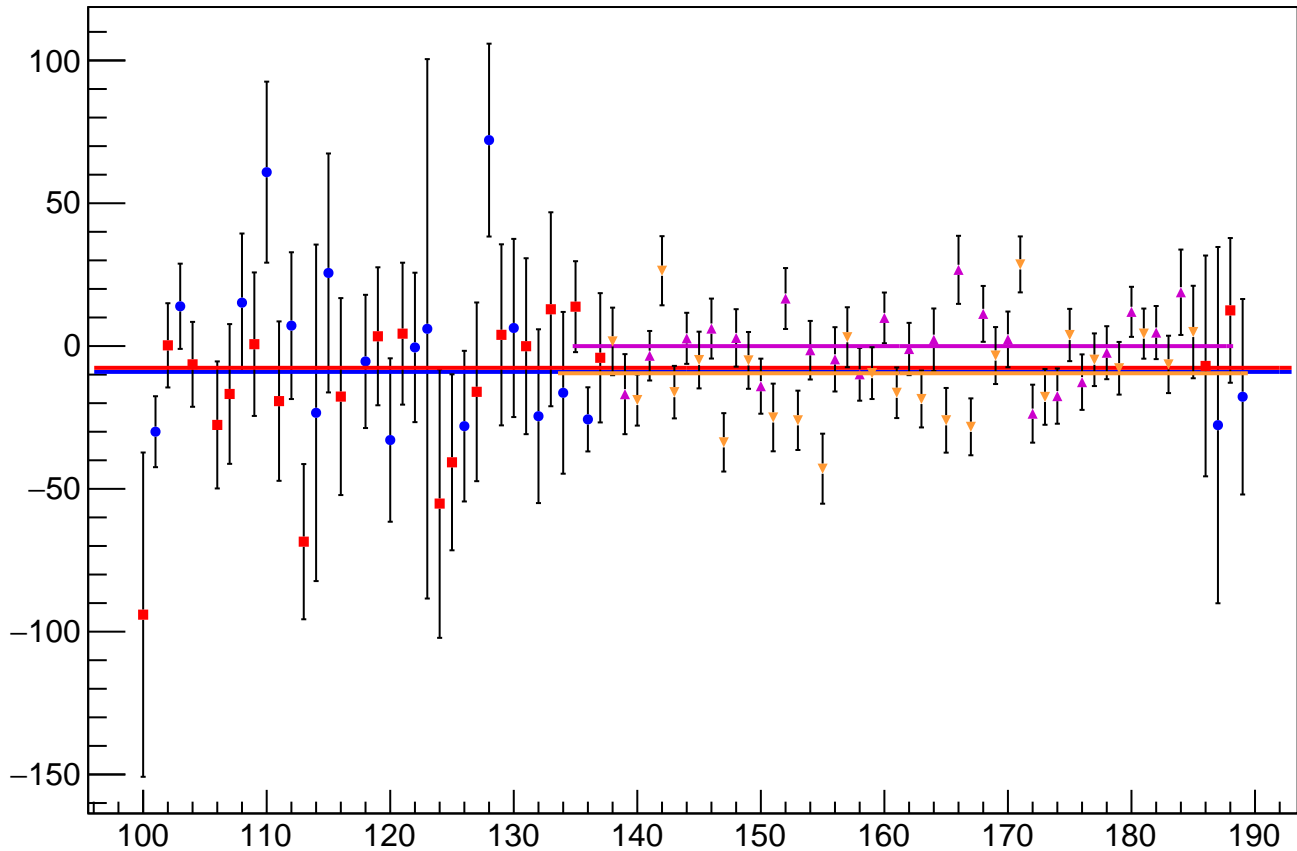
Left In: 6530.954+/-1.121 χ^2 /NDF: 464668.6/22

+ sign 6563.730+/-0.931 χ^2 /NDF: 1255849.8/43

All: 6578.082+/-0.662 χ^2 /NDF: 2996371.1/87

- sign 6592.743+/-0.941 χ^2 /NDF: 1740040.8/43

diff_bpm1X_mean vs Slug



Right In: -9.042 ± 5.316 $\chi^2/\text{NDF}: 22.3/18$

Left Out: -9.528 ± 2.015 $\chi^2/\text{NDF}: 59.6/24$

Right Out: -7.619 ± 5.338 $\chi^2/\text{NDF}: 14.7/20$

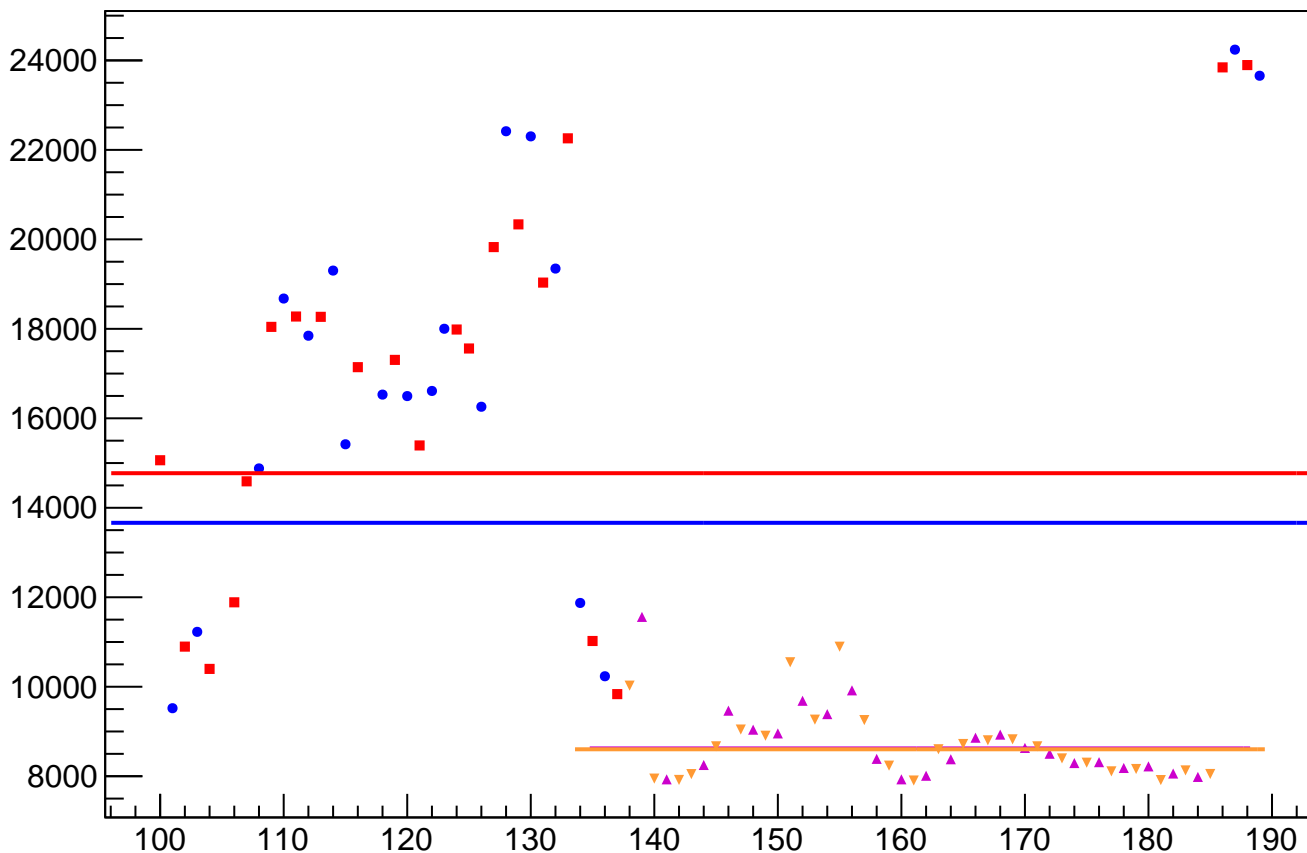
Left In: -0.027 ± 2.080 $\chi^2/\text{NDF}: 29.9/22$

+ sign -9.467 ± 1.884 $\chi^2/\text{NDF}: 81.9/43$

All: -5.366 ± 1.351 $\chi^2/\text{NDF}: 137.9/87$

- sign -1.027 ± 1.938 $\chi^2/\text{NDF}: 46.3/43$

diff_bpm1X_rms vs Slug



Right In: 13664.063+/-3.759 χ^2 /NDF: 1284658.8/18

Left Out: 8601.926+/-1.425 χ^2 /NDF:248903.5/24

Right Out: 14773.087+/-3.775 χ^2 /NDF: 1326864.7/20

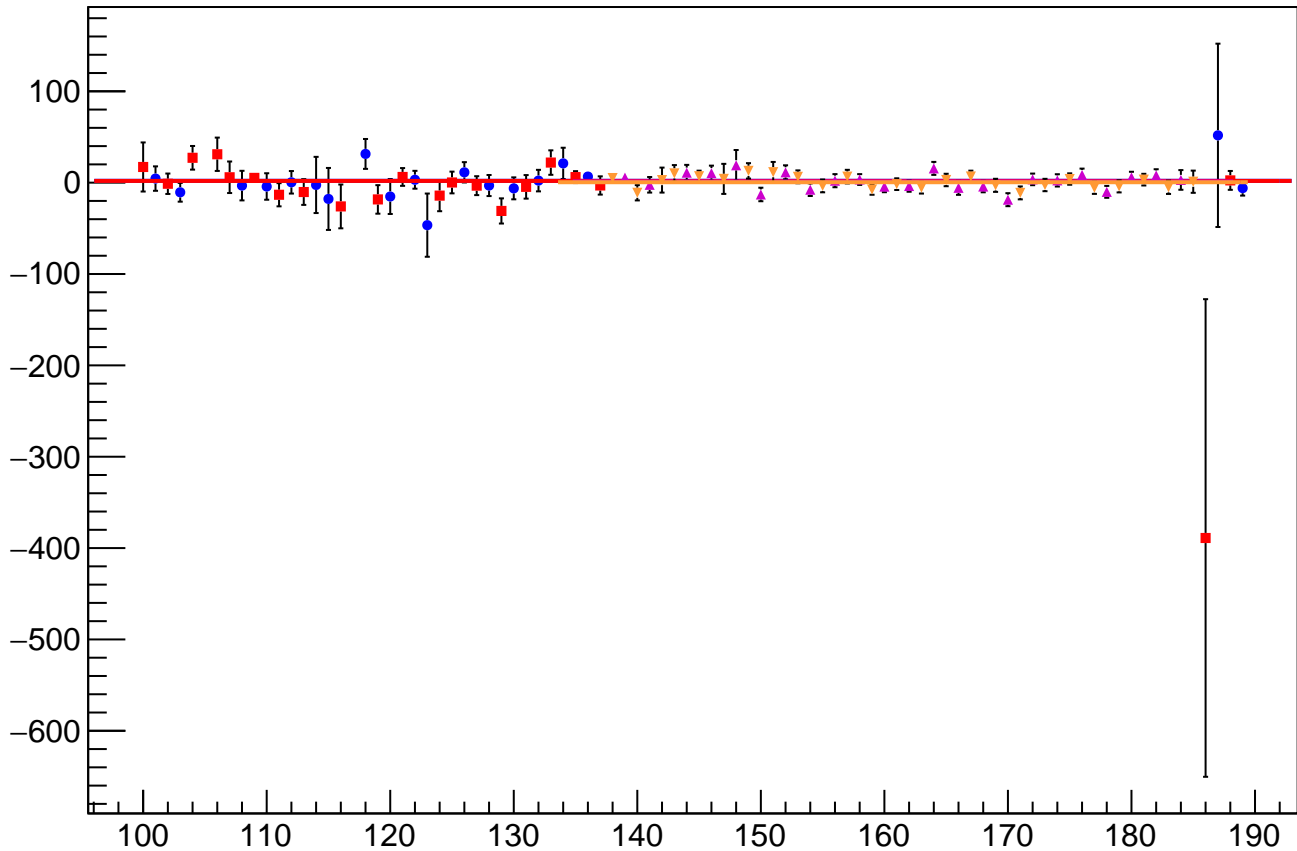
Left In: 8621.975+/-1.471 χ^2 /NDF:230824.4/22

+ sign 9238.025+/-1.332 χ^2 /NDF: 3119326.9/43

All: 9332.601+/-0.955 χ^2 /NDF: 6992831.4/87

- sign 9432.632+/-1.370 χ^2 /NDF: 3863138.0/43

diff_bpm1Y_mean vs Slug



Right In: 2.037 \pm 2.612 χ^2 /NDF: 13.1/18

Left Out: 0.481 \pm 1.419 χ^2 /NDF:19.6/24

Right Out: 1.890 \pm 2.378 χ^2 /NDF: 25.0/20

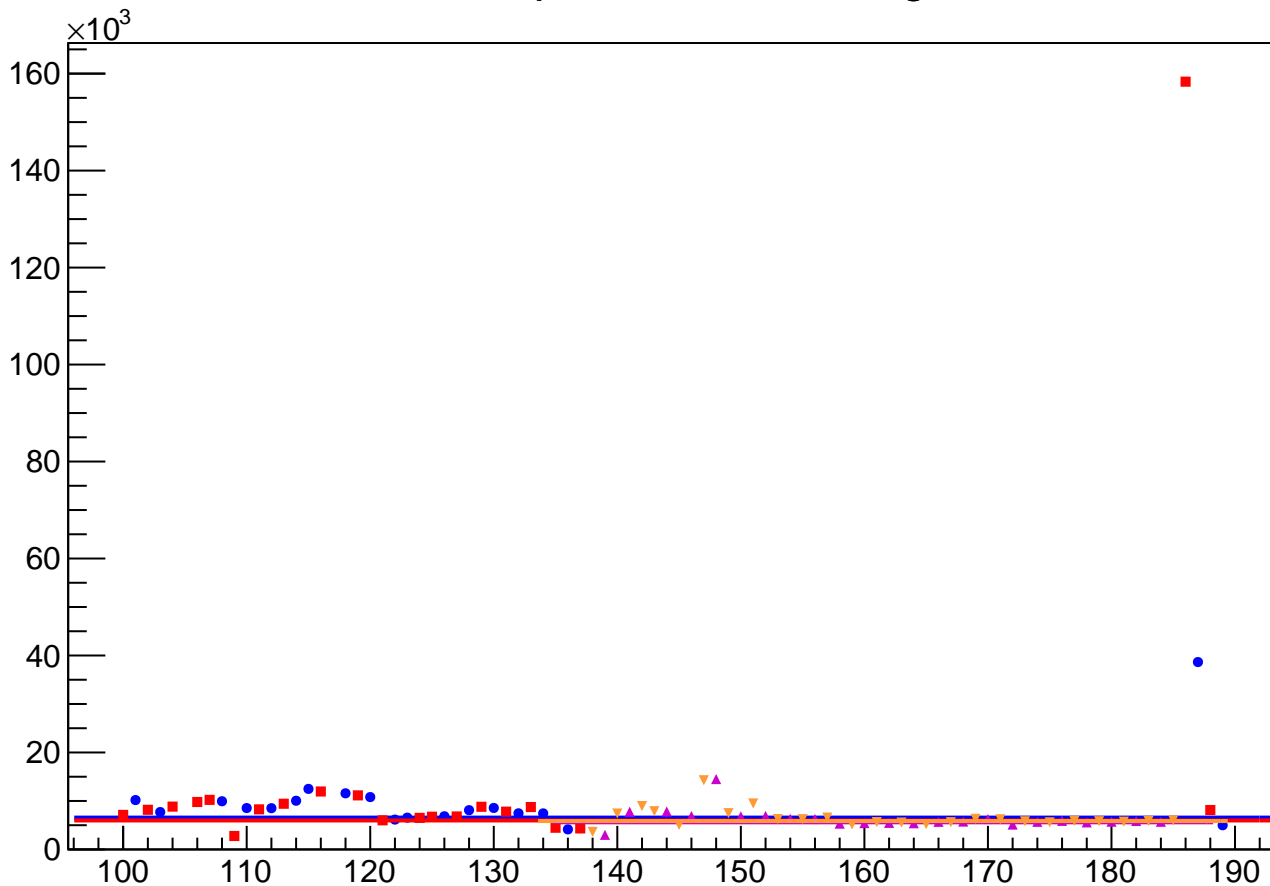
Left In: 1.298 \pm 1.406 χ^2 /NDF:33.0/22

+ sign 0.835 \pm 1.247 χ^2 /NDF: 32.9/43

All: 1.153 \pm 0.869 χ^2 /NDF: 91.2/87

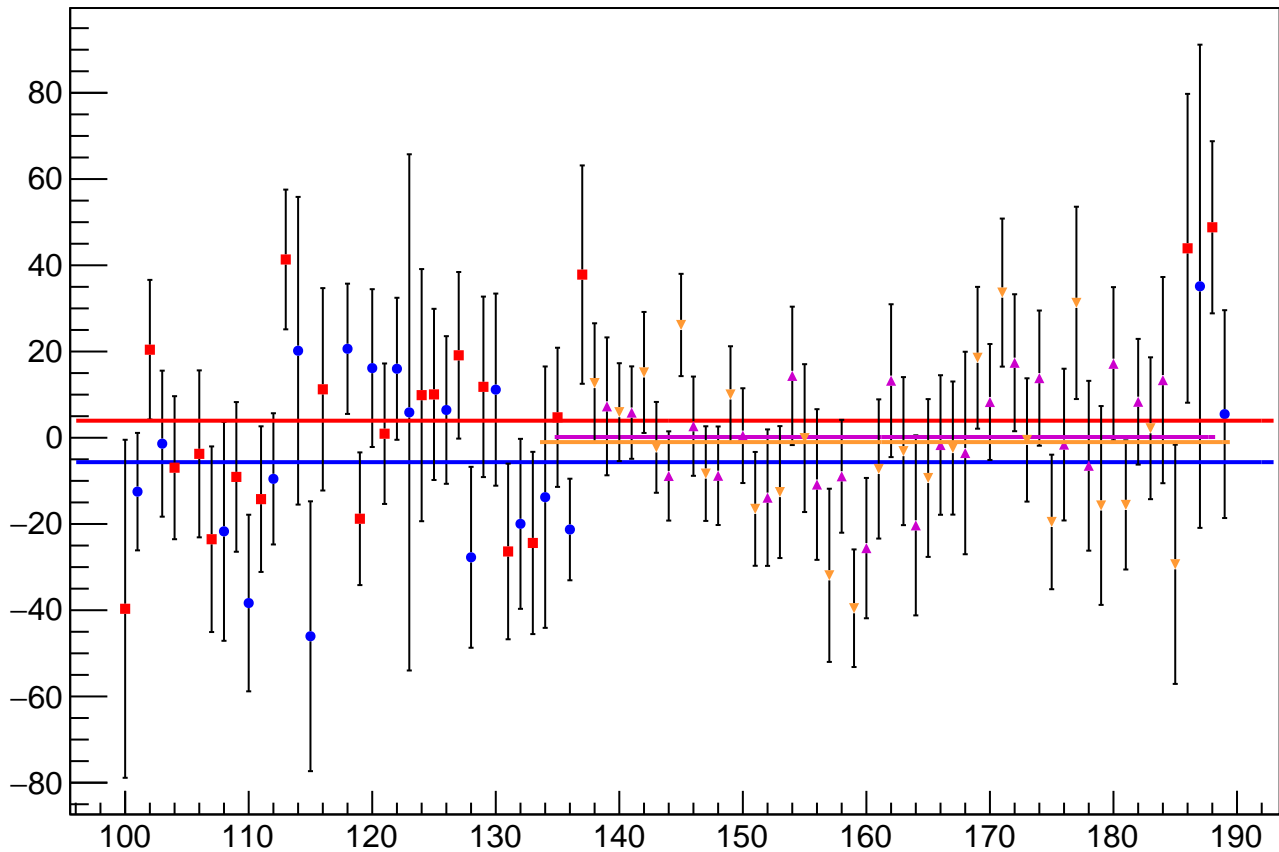
- sign 1.452 \pm 1.210 χ^2 /NDF: 58.1/43

diff_bpm1Y_rms vs Slug



Right In: 6569.619 ± 1.847 $\chi^2/\text{NDF}: 1676544.3/18$
 Left Out: 5858.642 ± 1.004 $\chi^2/\text{NDF}: 1691344.1/24$ + sign 6020.670 ± 0.882 $\chi^2/\text{NDF}: 3482273.6/43$
 Right Out: 5976.924 ± 1.682 $\chi^2/\text{NDF}: 3053118.3/20$ All: 5853.155 ± 0.614 $\chi^2/\text{NDF}: 8733072.6/87$
 Left In: 5596.879 ± 0.994 $\chi^2/\text{NDF}: 2089750.1/22$ - sign 5695.338 ± 0.856 $\chi^2/\text{NDF}: 5180713.8/43$

diff_bpm11X_mean vs Slug



Right In: -5.659 ± 4.433 $\chi^2/\text{NDF}: 17.0/18$

Left Out: -1.007 ± 2.942 $\chi^2/\text{NDF}: 33.5/24$

Right Out: 3.957 ± 4.250 $\chi^2/\text{NDF}: 26.9/20$

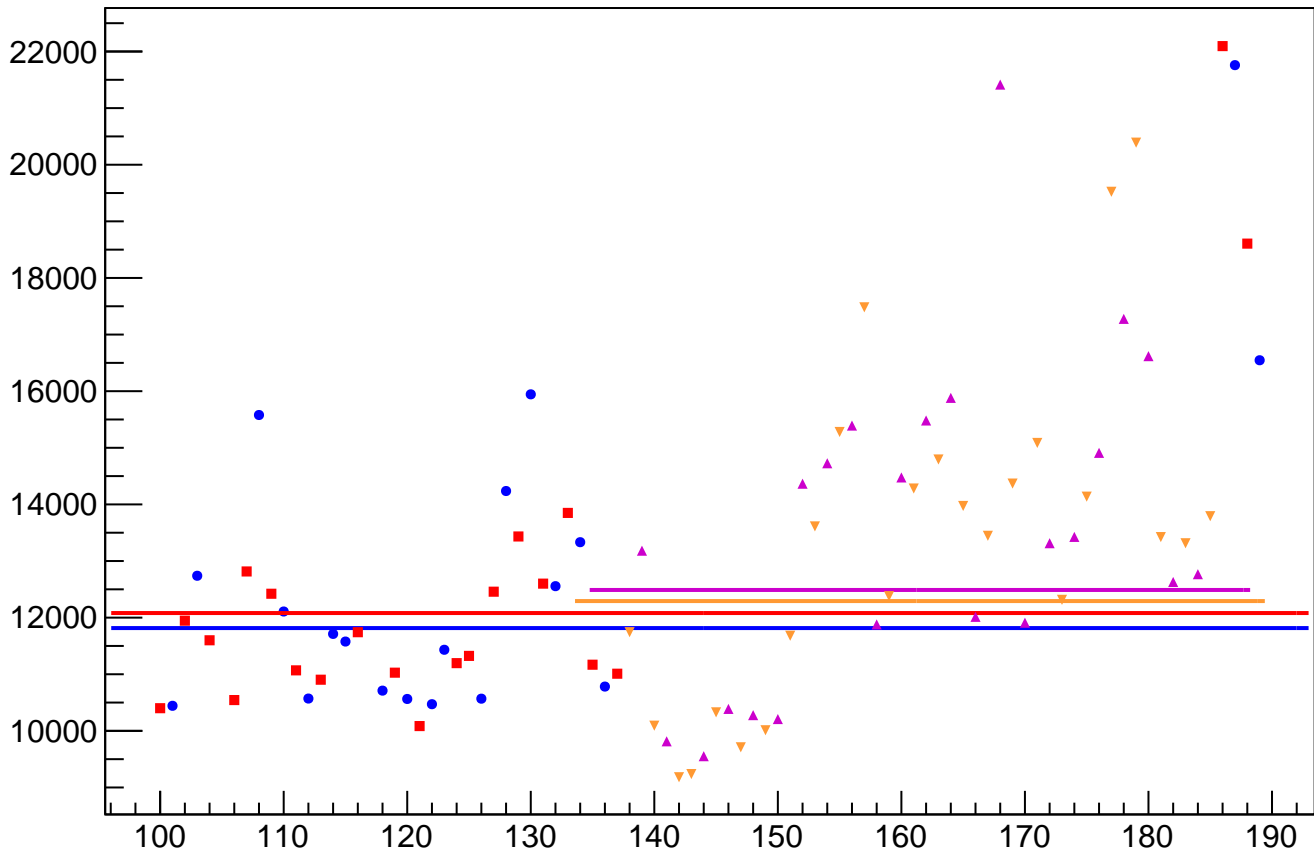
Left In: 0.172 ± 3.067 $\chi^2/\text{NDF}: 12.4/22$

+ sign -2.429 ± 2.451 $\chi^2/\text{NDF}: 51.2/43$

All: -0.509 ± 1.746 $\chi^2/\text{NDF}: 92.2/87$

- sign 1.469 ± 2.487 $\chi^2/\text{NDF}: 39.7/43$

diff_bpm11X_rms vs Slug



Right In: 11815.628+/-3.135 χ^2/NDF : 386821.1/18

Left Out: 12292.583+/-2.080 χ^2/NDF : 1502548.3/24

Right Out: 12081.147+/-3.005 χ^2/NDF : 487993.1/20

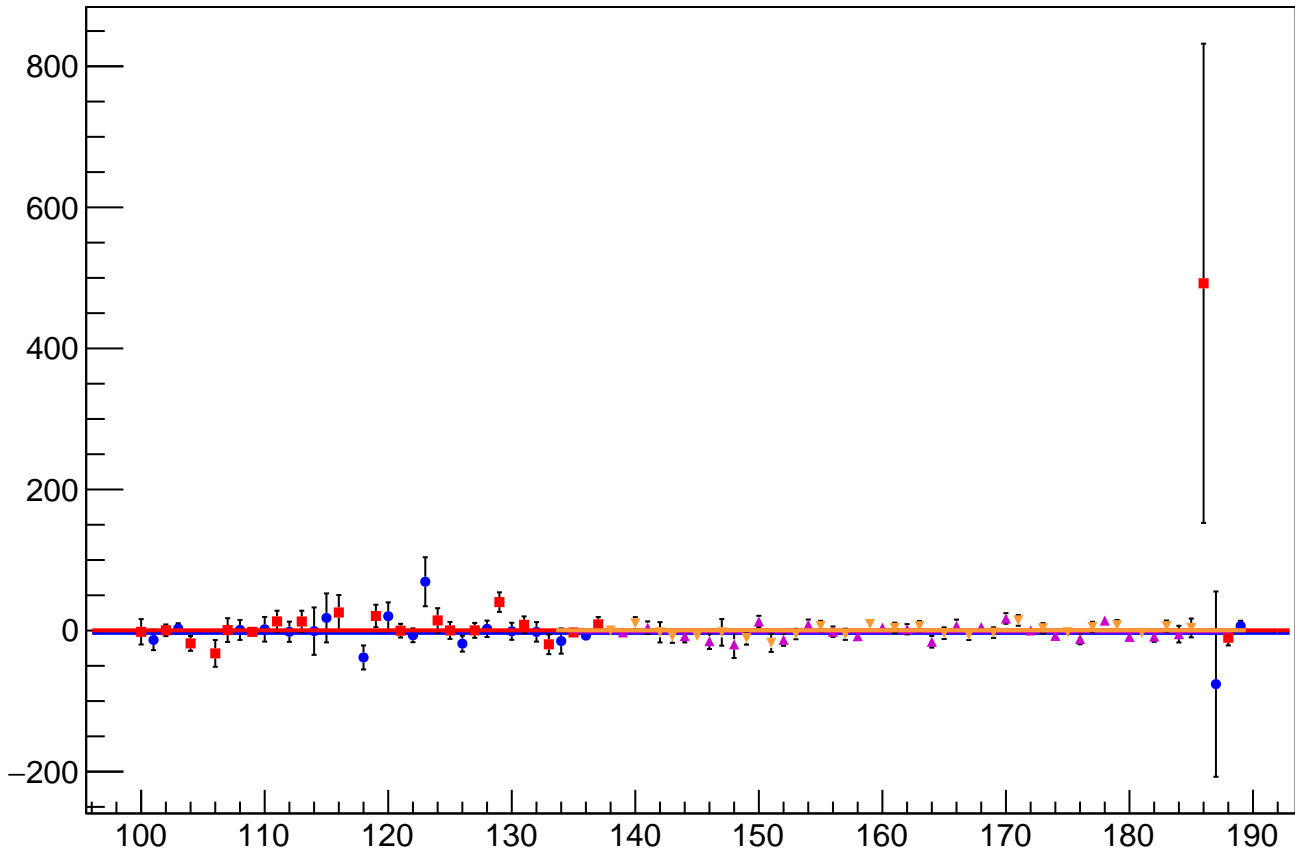
Left In: 12488.821+/-2.169 χ^2/NDF : 1354485.4/22

+ sign 12146.790+/-1.733 χ^2/NDF : 1905442.1/43

All: 12246.512+/-1.234 χ^2/NDF : 3766741.2/80

- sign 12349.185+/-1.759 χ^2/NDF : 1854580.1/43

diff_bpm11Y_mean vs Slug



Right In: -3.281 ± 2.605 $\chi^2/\text{NDF}: 17.1/18$

Left Out: 0.410 ± 1.435 $\chi^2/\text{NDF}: 19.3/24$

Right Out: 0.342 ± 2.372 $\chi^2/\text{NDF}: 25.6/20$

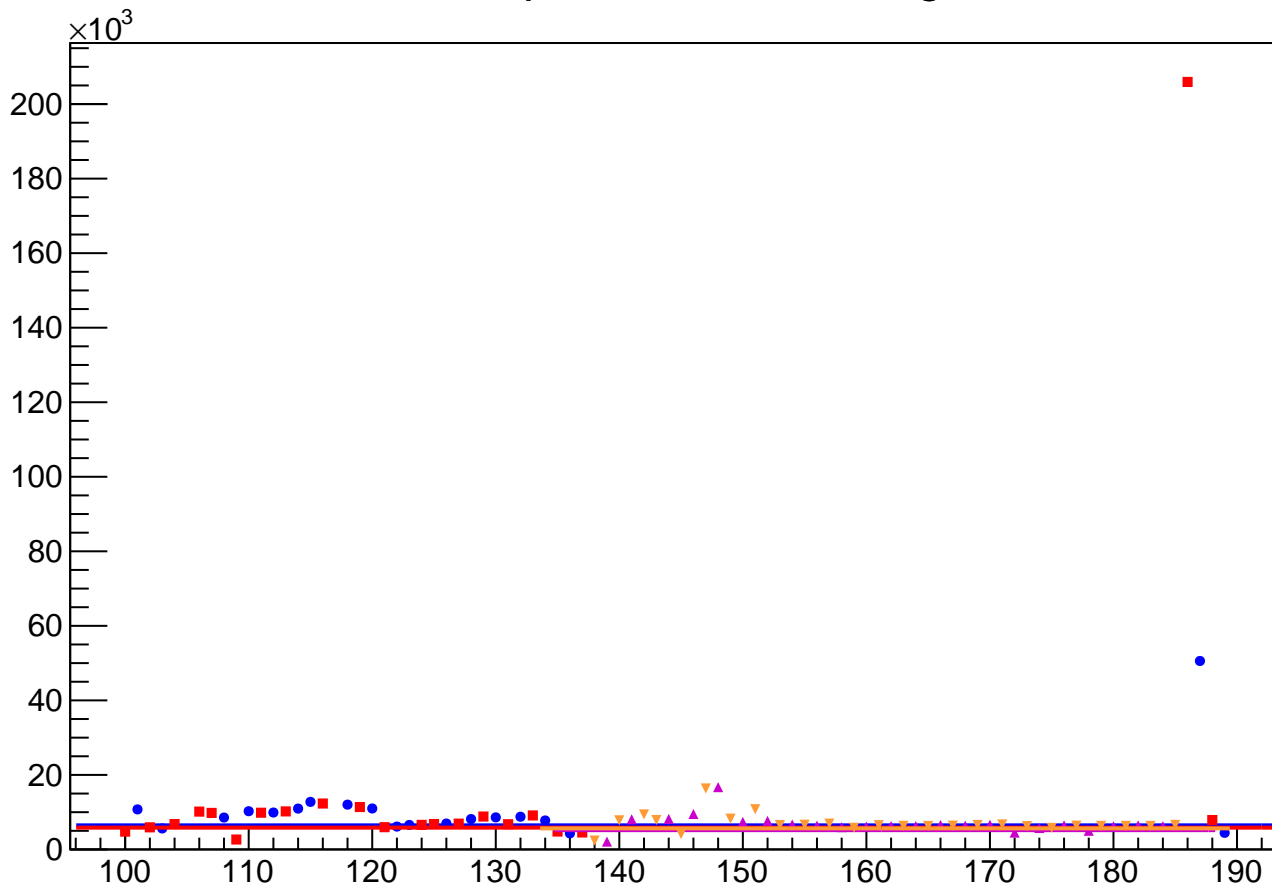
Left In: -1.278 ± 1.386 $\chi^2/\text{NDF}: 34.0/22$

+ sign -0.449 ± 1.257 $\chi^2/\text{NDF}: 37.9/43$

All: -0.668 ± 0.867 $\chi^2/\text{NDF}: 97.9/87$

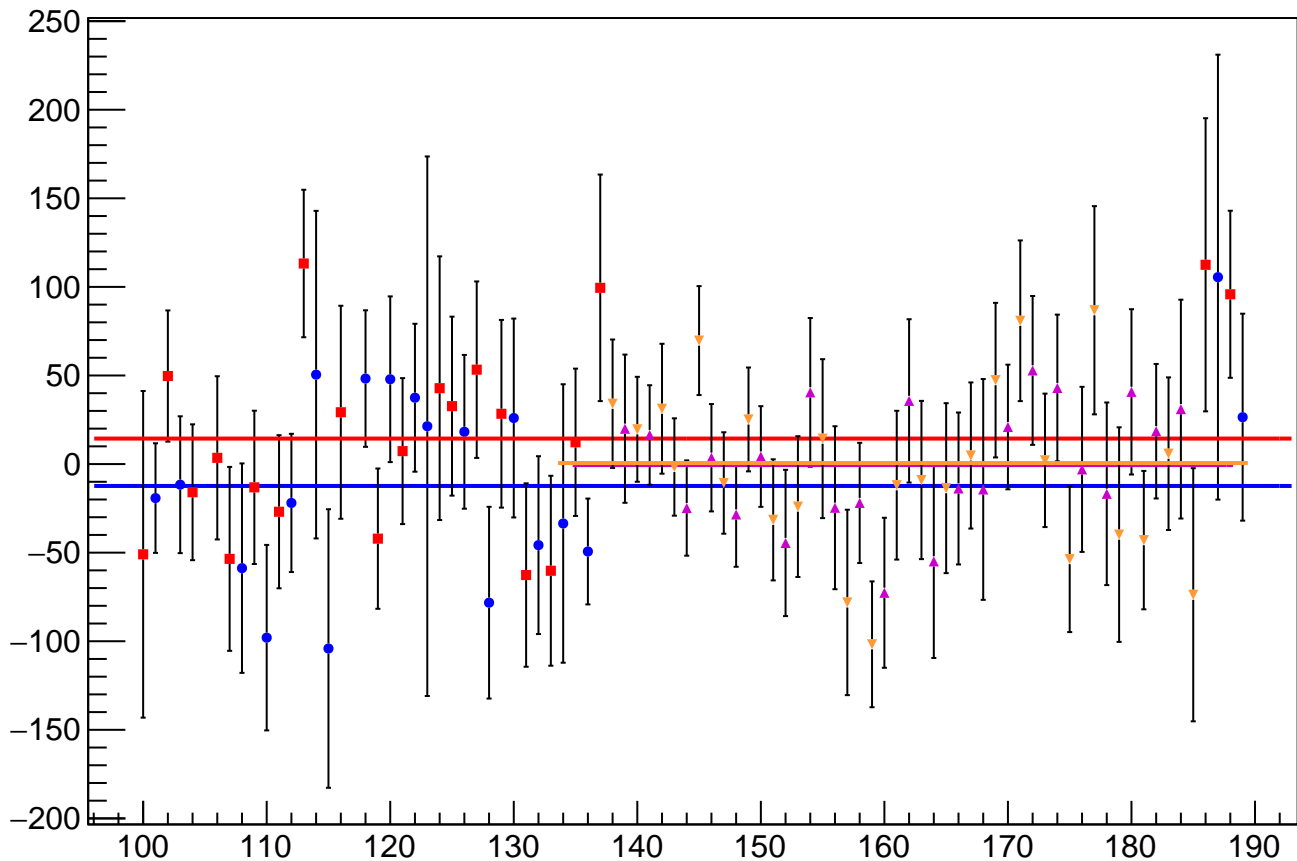
- sign -0.866 ± 1.197 $\chi^2/\text{NDF}: 59.9/43$

diff_bpm11Y_rms vs Slug



Right In: 6468.769 ± 1.842 $\chi^2/\text{NDF}: 1834169.2/18$ + sign 5844.914 ± 0.889 $\chi^2/\text{NDF}: 6107856.4/43$
 Left Out: 5655.639 ± 1.014 $\chi^2/\text{NDF}: 4124124.3/24$ All: 5586.873 ± 0.613 $\chi^2/\text{NDF}: 14672497.1/8$
 Right Out: 5857.425 ± 1.677 $\chi^2/\text{NDF}: 2932441.2/20$ - sign 5352.905 ± 0.846 $\chi^2/\text{NDF}: 8403832.2/43$
 Left In: 5180.743 ± 0.980 $\chi^2/\text{NDF}: 5350053.6/22$

diff_bpm12X_mean vs Slug



Right In: -12.353 ± 10.992 χ^2/NDF : 16.6/18

Left Out: 0.580 ± 7.691 χ^2/NDF : 31.0/24

Right Out: 14.393 ± 10.545 χ^2/NDF : 24.2/20

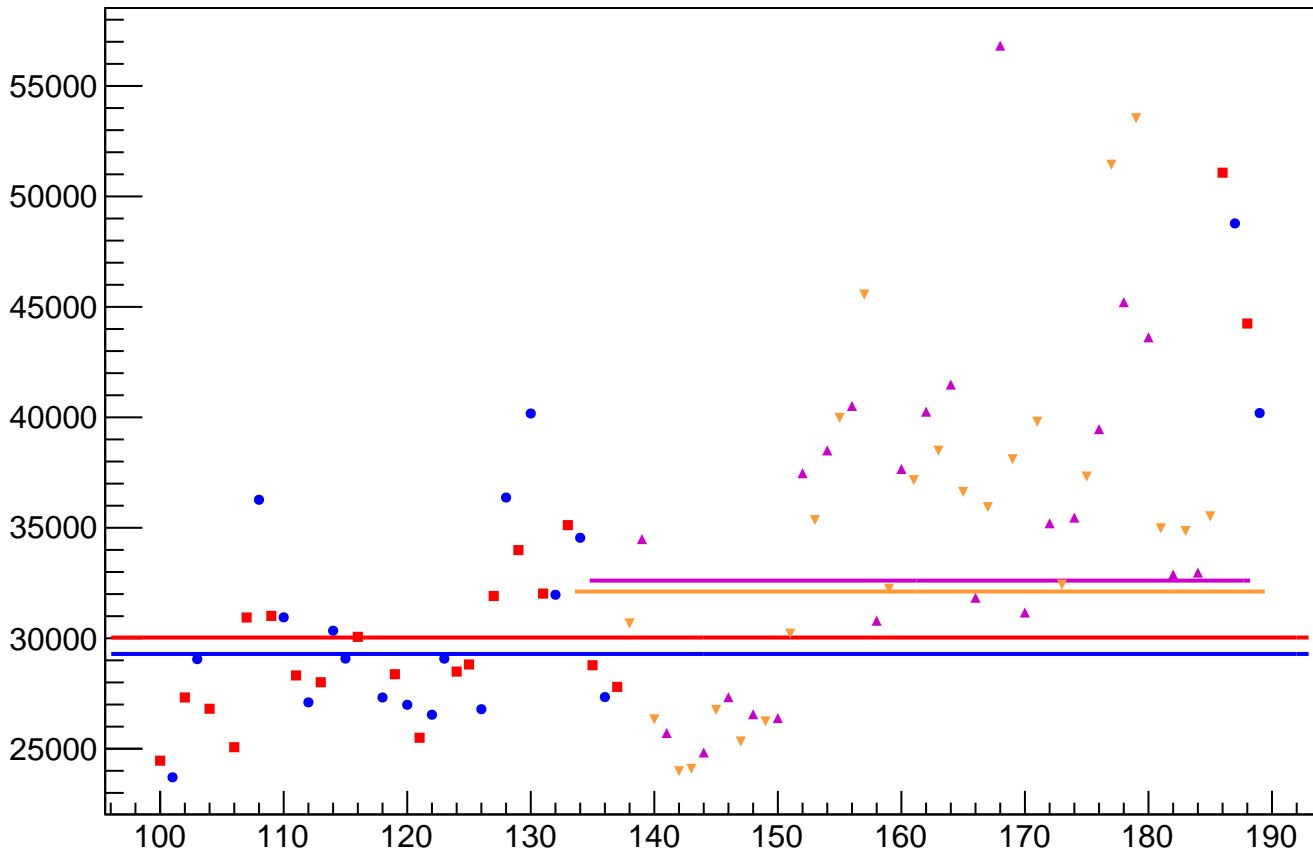
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign -3.671 ± 6.301 χ^2/NDF : 48.6/43

All: 0.567 ± 4.484 χ^2/NDF : 89.2/87

- sign 4.912 ± 6.381 χ^2/NDF : 39.7/43

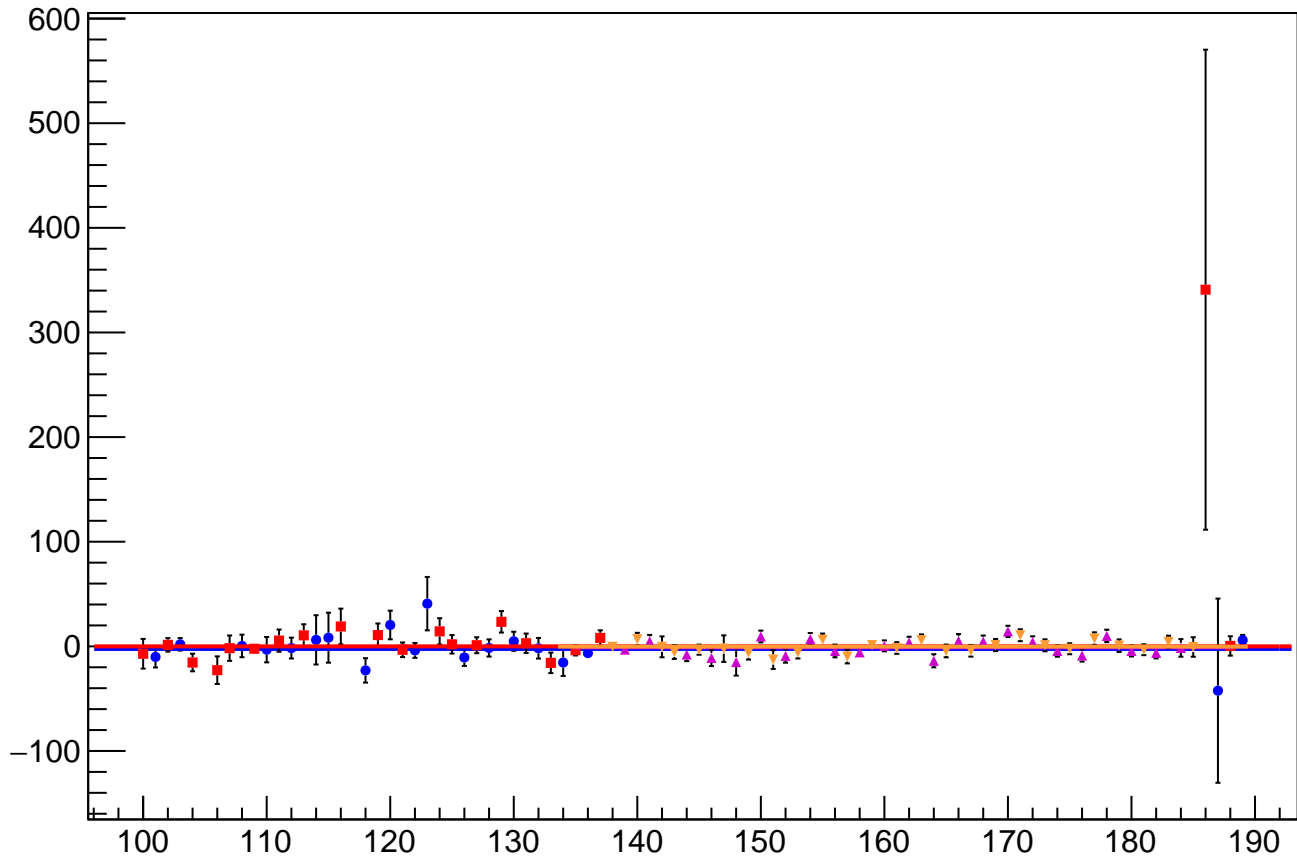
diff_bpm12X_rms vs Slug



Right In: 29289.703 \pm 7.773 χ^2 /NDF: 377690.7/18
 Left Out: 32117.184 \pm 5.438 χ^2 /NDF:1536740.0/24
 Right Out: 30033.362 \pm 7.456 χ^2 /NDF: 445184.1/20
 Left In: 32610.108 \pm 5.667 χ^2 /NDF:1398475.8/22

+ sign 31187.976 \pm 4.456 χ^2 /NDF: 2003274.1/43
 All: 31424.295 \pm 3.170 χ^2 /NDF: 3928331.0/8
 - sign 31666.595 \pm 4.512 χ^2 /NDF: 1919360.0/43

diff_bpm12Y_mean vs Slug



Right In: -2.470 ± 1.867 $\chi^2/\text{NDF}: 17.4/18$

Left Out: -0.255 ± 1.173 $\chi^2/\text{NDF}: 18.0/24$

Right Out: -0.002 ± 1.856 $\chi^2/\text{NDF}: 23.9/20$

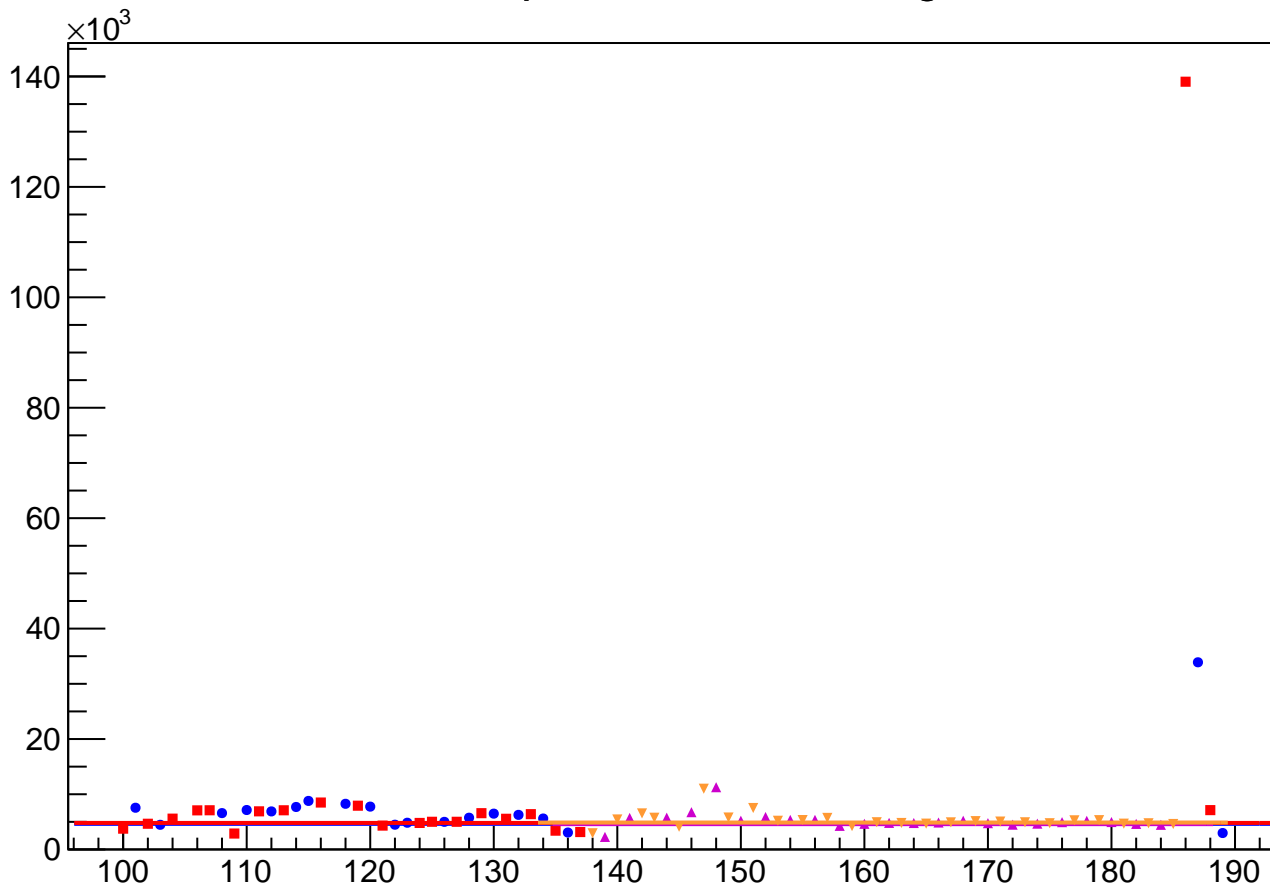
Left In: -0.925 ± 1.154 $\chi^2/\text{NDF}: 36.1/22$

+ sign -0.882 ± 0.993 $\chi^2/\text{NDF}: 36.4/43$

All: -0.774 ± 0.697 $\chi^2/\text{NDF}: 96.6/87$

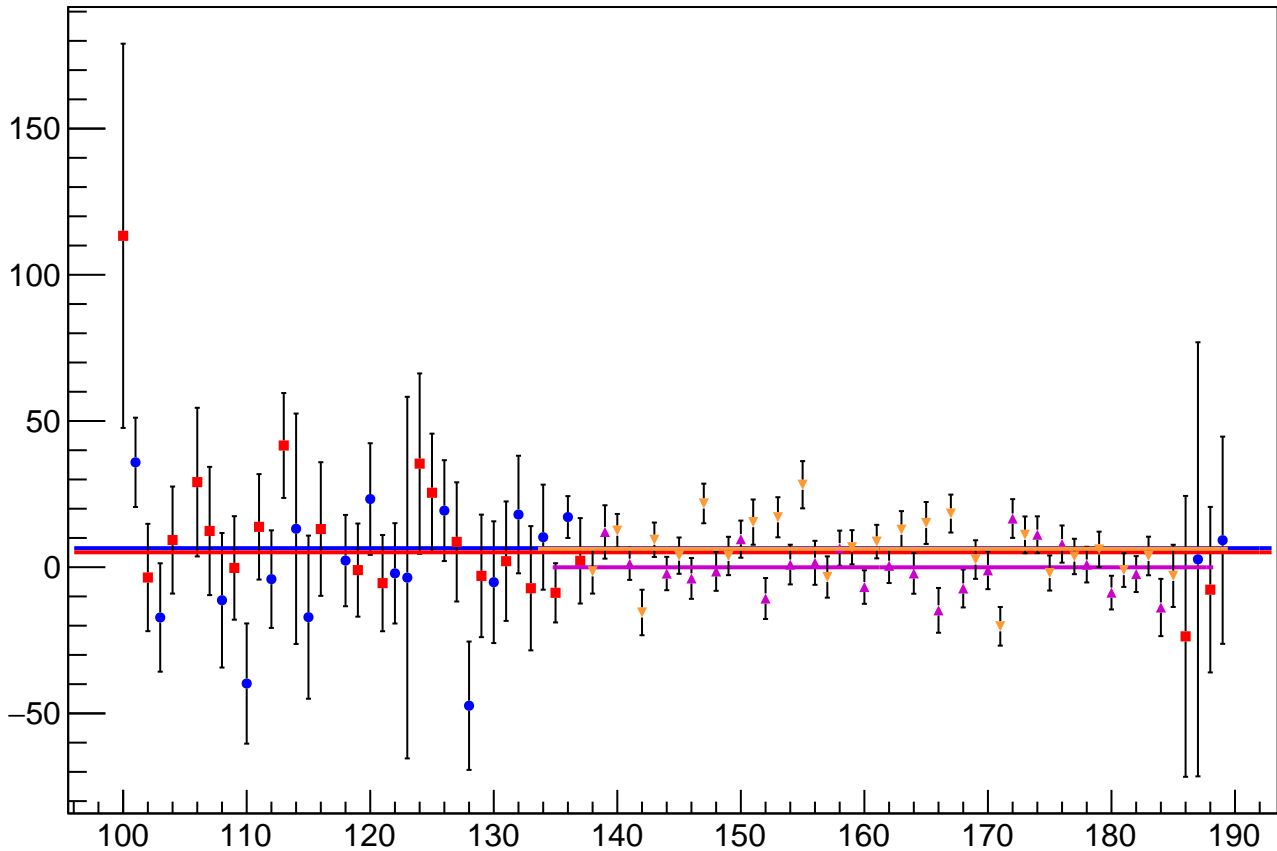
- sign -0.668 ± 0.980 $\chi^2/\text{NDF}: 60.2/43$

diff_bpm12Y_rms vs Slug



Right In: 4638.901+/-1.320	χ^2/NDF : 1877643.5/18	+ sign 4802.107+/-0.702	χ^2/NDF : 3410449.6/43
Left Out: 4866.528+/-0.829	χ^2/NDF : 1511486.2/24	All: 4722.056+/-0.493	χ^2/NDF : 8067942.3/87
Right Out: 4804.415+/-1.312	χ^2/NDF : 2132484.6/20	- sign 4644.145+/-0.693	χ^2/NDF : 4631852.1/43
Left In: 4582.193+/-0.816	χ^2/NDF : 2478681.0/22		

diff_bpm16X_mean vs Slug



Right In: 6.506 ± 4.040 $\chi^2/\text{NDF}: 22.8/18$

Left Out: 6.302 ± 1.313 $\chi^2/\text{NDF}: 56.7/24$

Right Out: 5.093 ± 4.165 $\chi^2/\text{NDF}: 14.1/20$

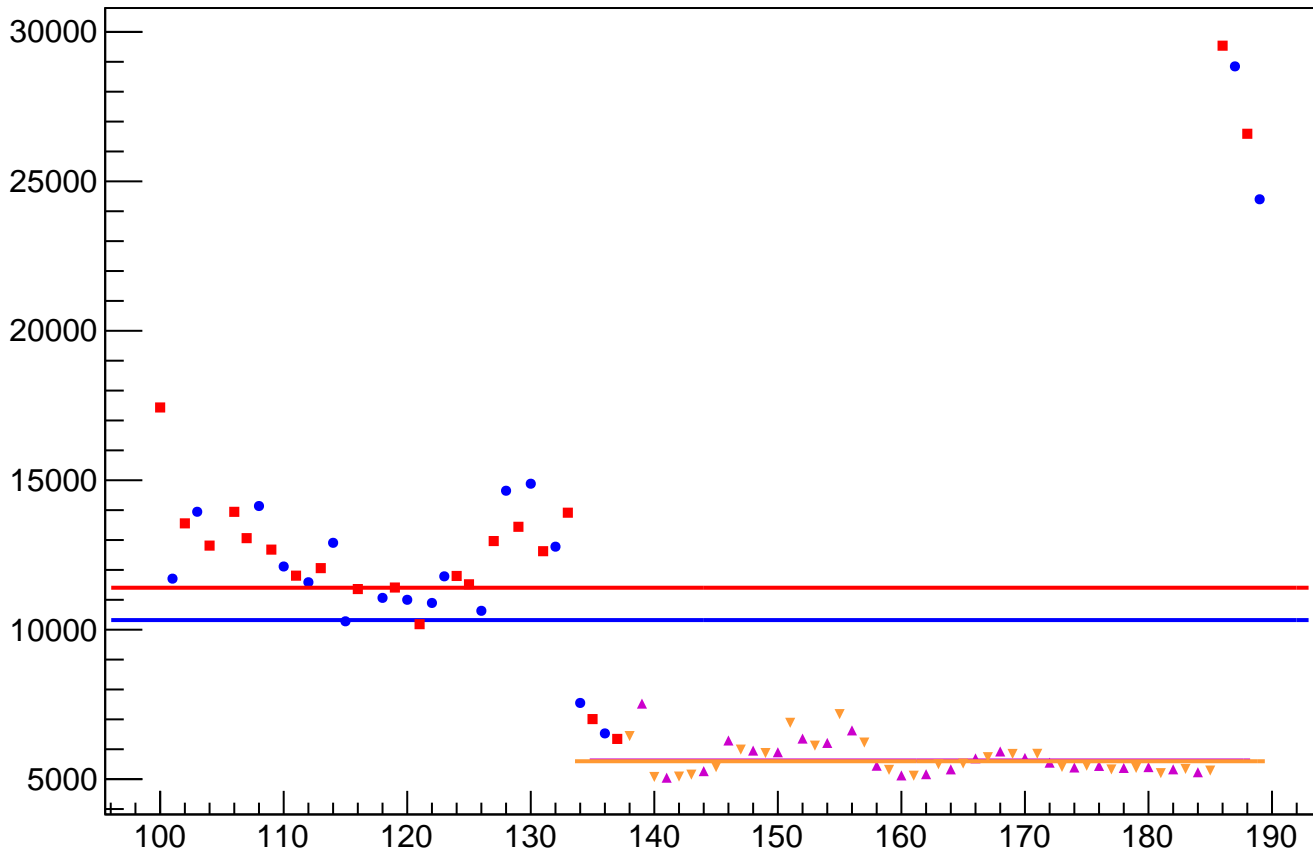
Left In: -0.044 ± 1.358 $\chi^2/\text{NDF}: 30.0/22$

+ sign 6.321 ± 1.248 $\chi^2/\text{NDF}: 79.5/43$

All: 3.484 ± 0.897 $\chi^2/\text{NDF}: 135.7/87$

- sign 0.449 ± 1.291 $\chi^2/\text{NDF}: 45.5/43$

diff_bpm16X_rms vs Slug



Right In: 10321.631+/-2.856 χ^2/NDF : 1446760.2/18

Left Out: 5598.786+/-0.928 χ^2/NDF : 283253.4/24

Right Out: 11404.061+/-2.945 χ^2/NDF : 1656246.0/20

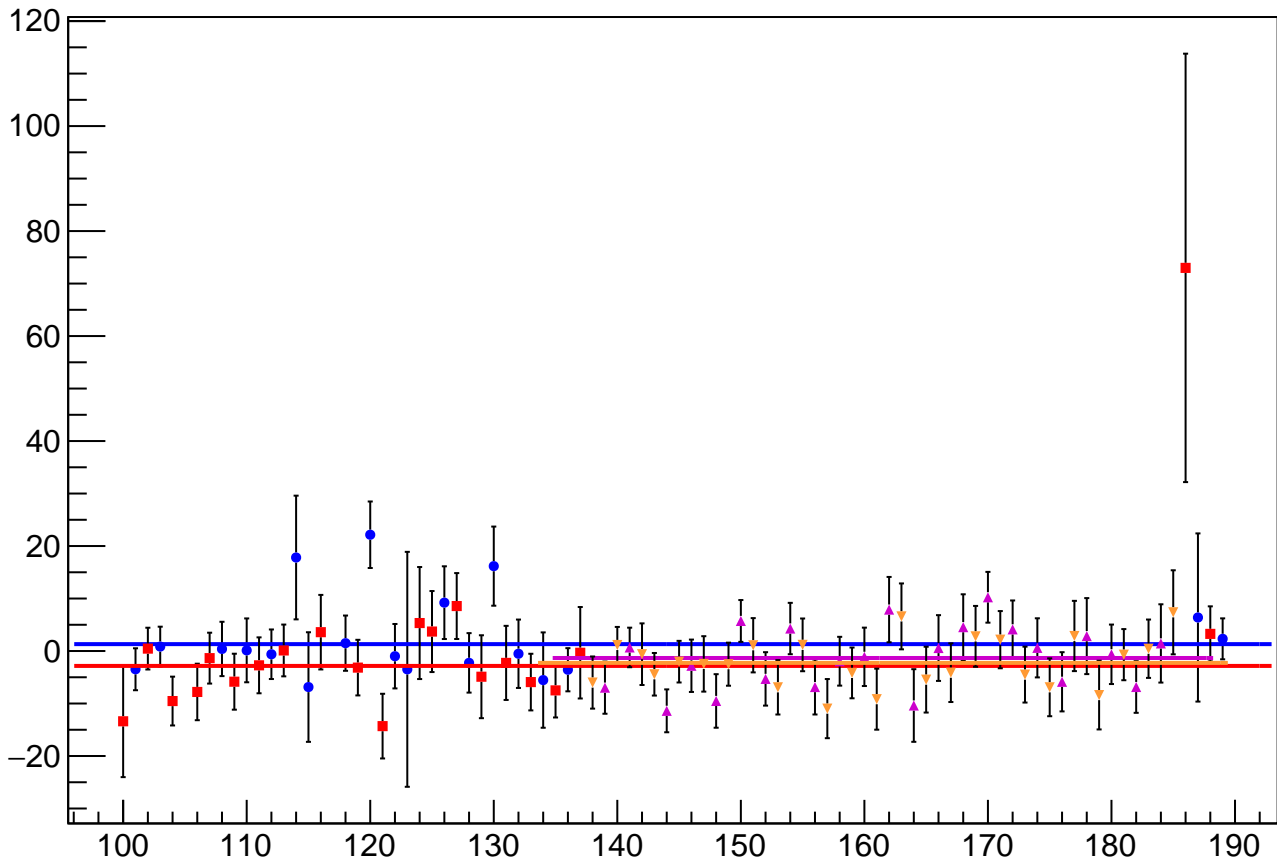
Left In: 5625.163+/-0.960 χ^2/NDF : 272563.5/22

+ sign 6049.792+/-0.883 χ^2/NDF : 4202770.0/43

All: 6112.865+/-0.635 χ^2/NDF : 9622768.3/87

- sign 6180.312+/-0.913 χ^2/NDF : 5409432.4/43

diff_bpm16Y_mean vs Slug



Right In: 1.312 ± 1.311 $\chi^2/\text{NDF}: 23.1/18$

Left Out: -2.262 ± 1.030 $\chi^2/\text{NDF}: 15.5/24$

Right Out: -2.839 ± 1.293 $\chi^2/\text{NDF}: 20.4/20$

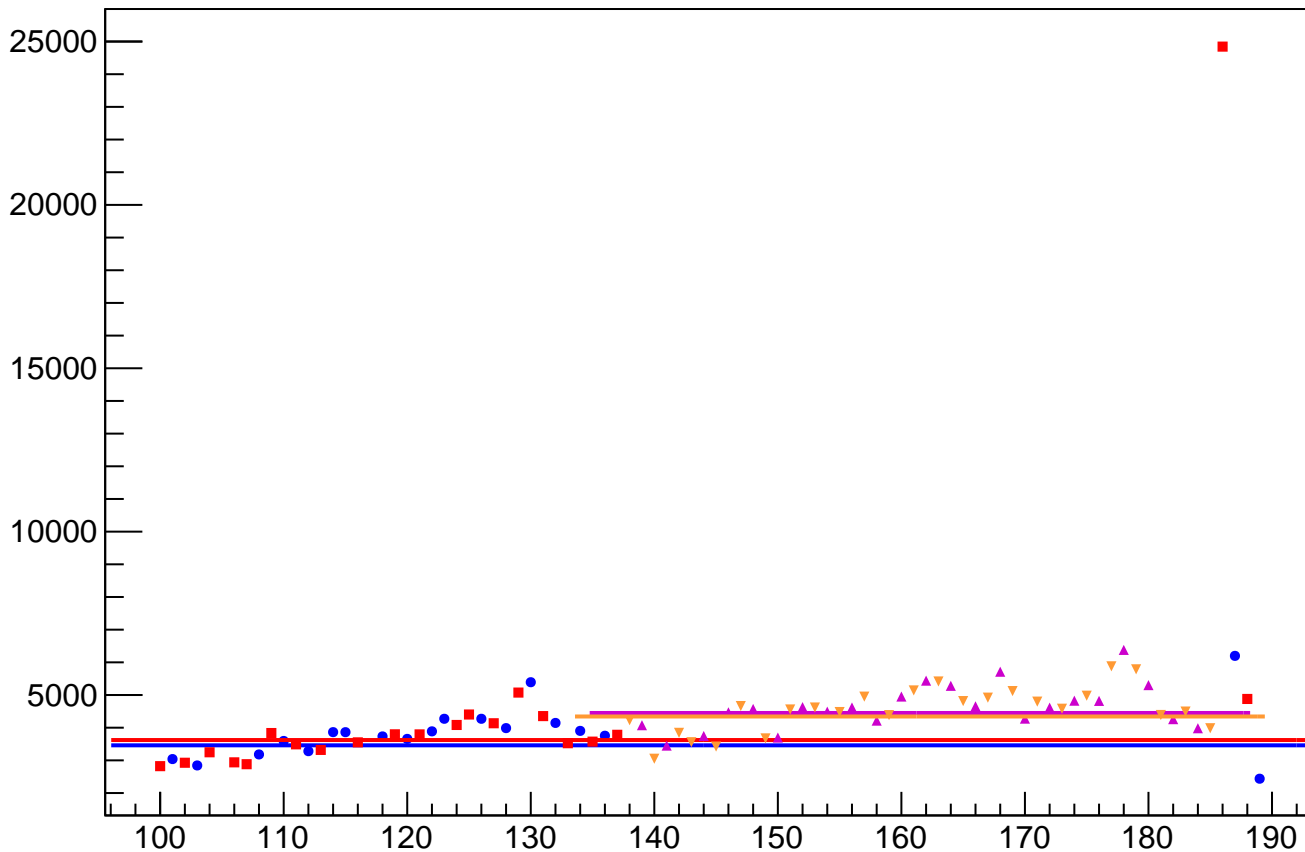
Left In: -1.328 ± 1.082 $\chi^2/\text{NDF}: 30.6/22$

+ sign -0.898 ± 0.810 $\chi^2/\text{NDF}: 43.2/43$

All: -1.411 ± 0.580 $\chi^2/\text{NDF}: 95.8/87$

- sign -1.950 ± 0.830 $\chi^2/\text{NDF}: 51.8/43$

diff_bpm16Y_rms vs Slug



Right In: 3460.185 \pm 0.927 χ^2 /NDF: 518549.1/18

Left Out: 4342.635 \pm 0.728 χ^2 /NDF: 993035.5/24

Right Out: 3622.119 \pm 0.915 χ^2 /NDF: 964099.0/20

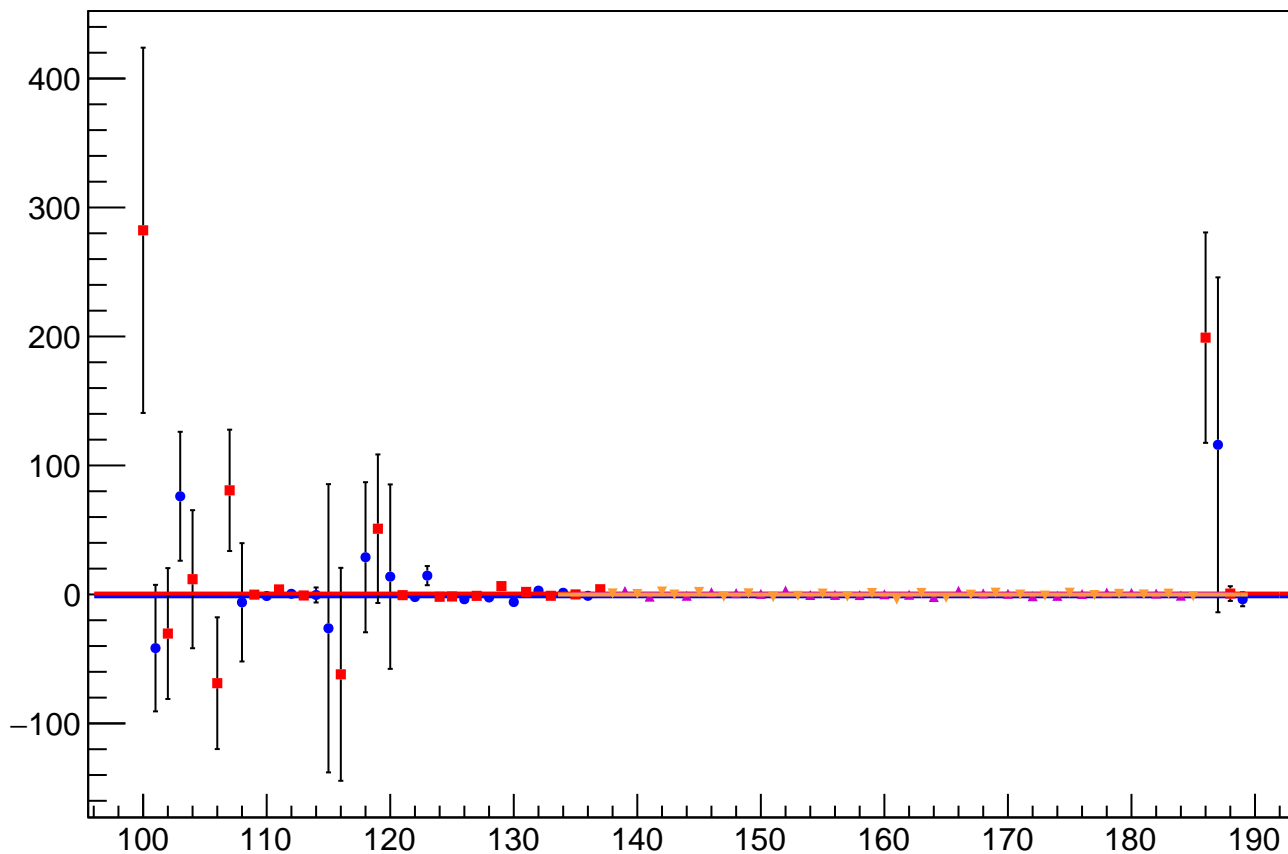
Left In: 4450.007 \pm 0.765 χ^2 /NDF: 693229.8/22

+ sign 4005.882 \pm 0.573 χ^2 /NDF: 2071647.3/43

All: 4056.266 \pm 0.410 χ^2 /NDF: 4226912.6/87

- sign 4109.145 \pm 0.587 χ^2 /NDF: 2139408.6/43

diff_bpm1p02bX_mean vs Slug



Right In: -1.443 ± 0.743 $\chi^2/\text{NDF}: 17.7/18$

Left Out: -0.092 ± 0.249 $\chi^2/\text{NDF}: 34.4/24$

Right Out: 0.679 ± 0.708 $\chi^2/\text{NDF}: 27.4/20$

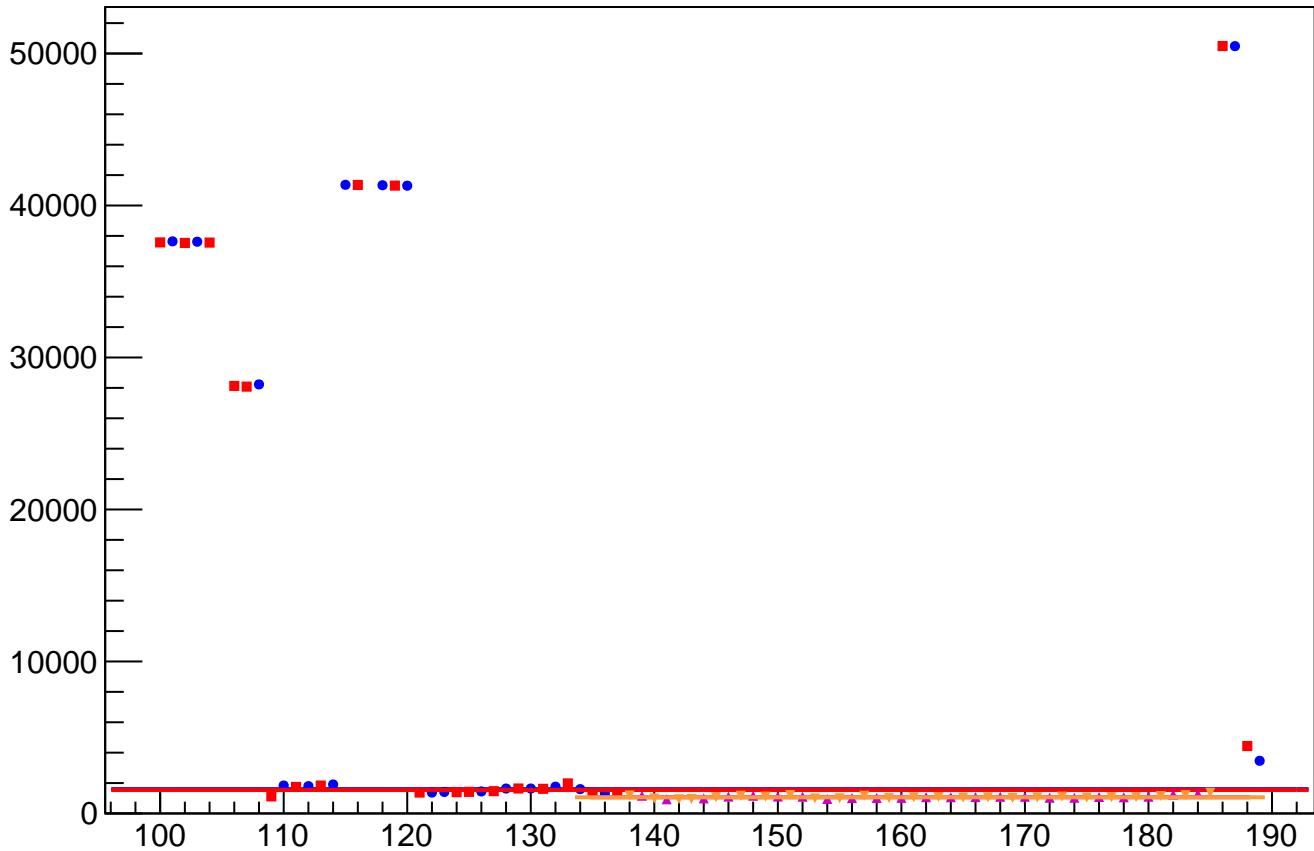
Left In: 0.259 ± 0.257 $\chi^2/\text{NDF}: 27.2/22$

+ sign -0.228 ± 0.236 $\chi^2/\text{NDF}: 55.1/43$

All: 0.034 ± 0.169 $\chi^2/\text{NDF}: 112.6/87$

- sign 0.308 ± 0.242 $\chi^2/\text{NDF}: 54.9/43$

diff_bpm1p02bX_rms vs Slug



Right In: 1598.180+/-0.526 χ^2/NDF : 5280355.9/18

Left Out: 1064.701+/-0.176 χ^2/NDF : 186511.5/24

Right Out: 1545.246+/-0.500 χ^2/NDF : 6136570.9/20

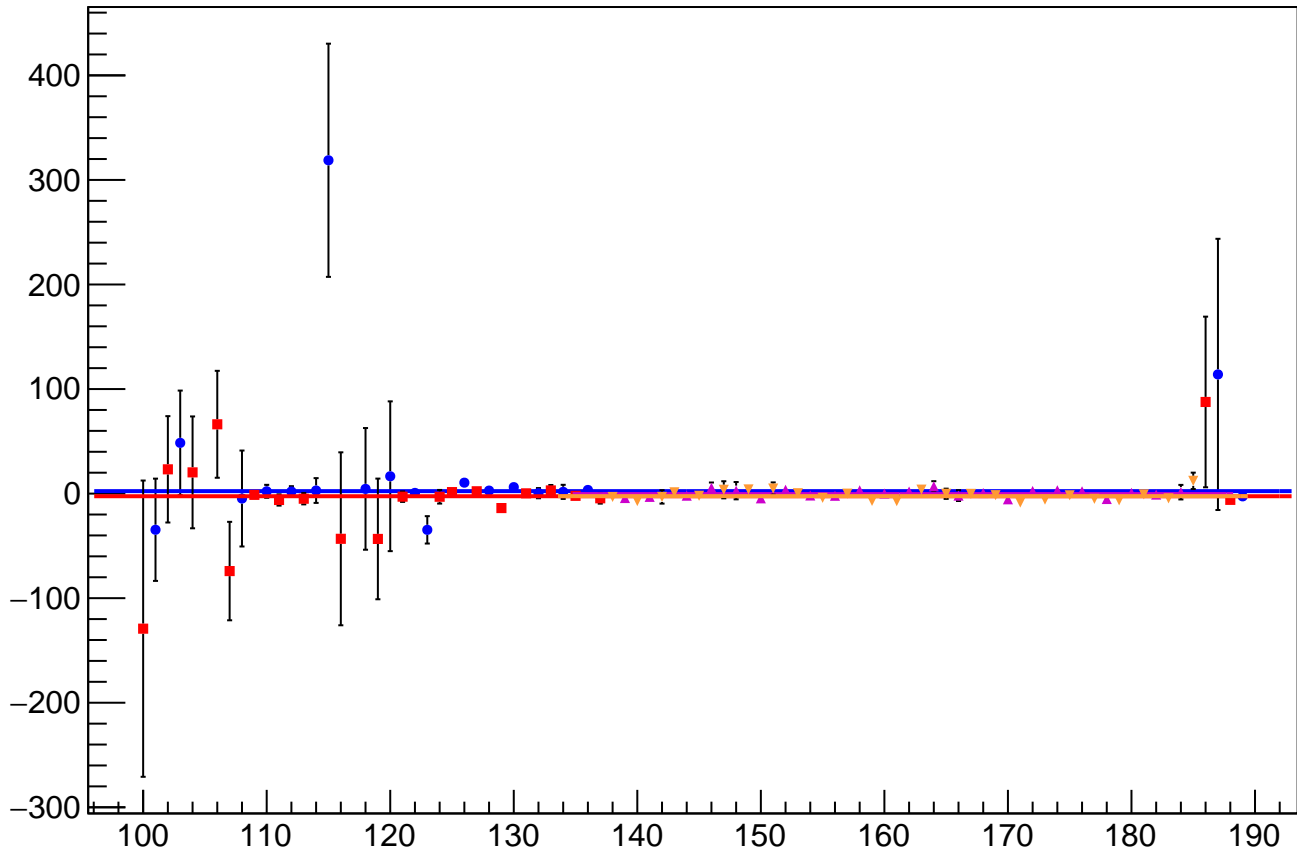
Left In: 1066.255+/-0.182 χ^2/NDF : 164232.1/22

+ sign 1118.524+/-0.167 χ^2/NDF : 6392761.6/43

All: 1120.259+/-0.119 χ^2/NDF : 13503622.9/80

- sign 1122.074+/-0.171 χ^2/NDF : 7110640.4/43

diff_bpm1p02bY_mean vs Slug



Right In: 2.365 ± 1.224 $\chi^2/\text{NDF}: 25.9/18$

Left Out: -2.422 ± 0.811 $\chi^2/\text{NDF}: 21.2/24$

Right Out: -2.508 ± 1.175 $\chi^2/\text{NDF}: 18.7/20$

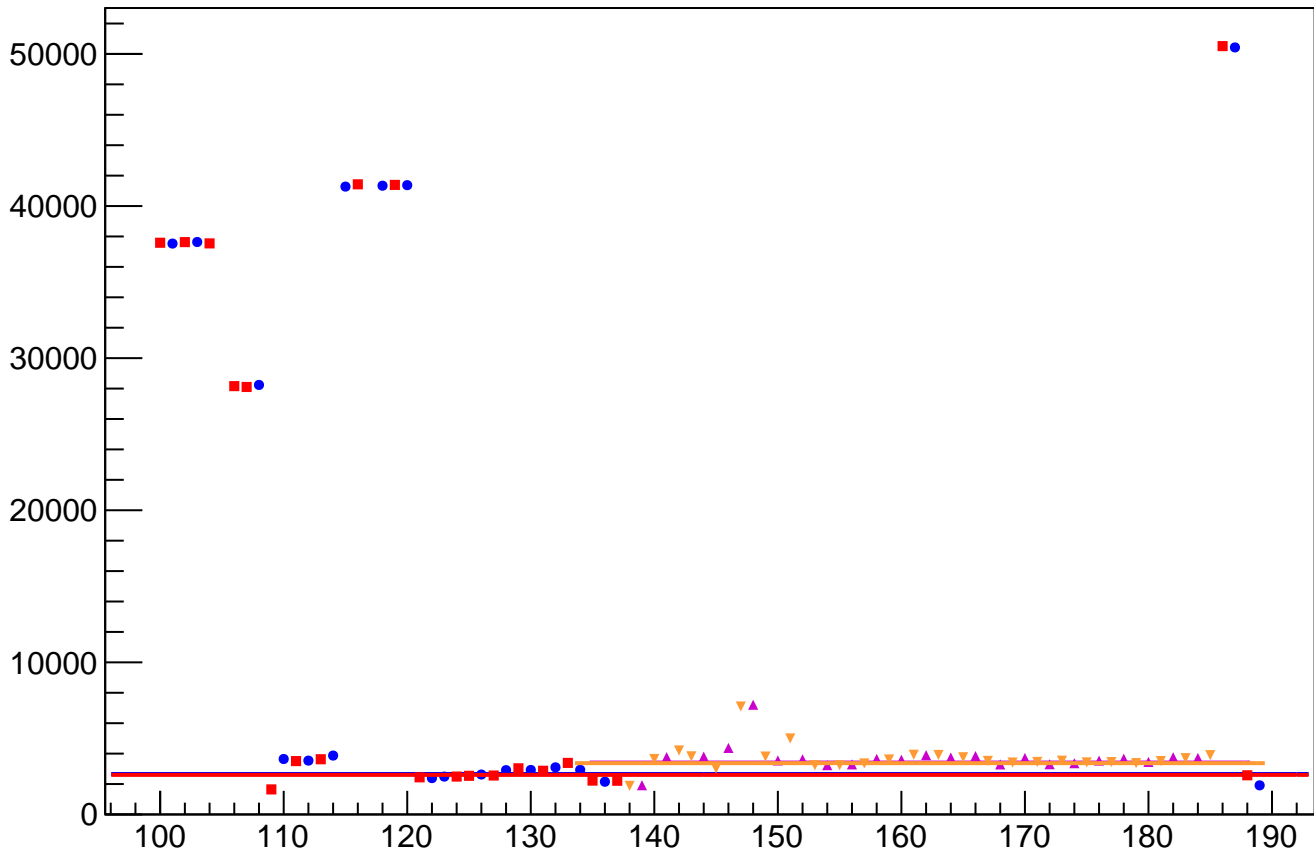
Left In: -0.468 ± 0.843 $\chi^2/\text{NDF}: 15.5/22$

+ sign -0.963 ± 0.676 $\chi^2/\text{NDF}: 57.8/43$

All: -1.061 ± 0.481 $\chi^2/\text{NDF}: 94.0/87$

- sign -1.161 ± 0.685 $\chi^2/\text{NDF}: 36.2/43$

diff_bpm1p02bY_rms vs Slug



Right In: 2659.830+/-0.866 χ^2/NDF : 4977201.2/18

Left Out: 3372.958+/-0.573 χ^2/NDF : 1656864.7/24

Right Out: 2601.790+/-0.831 χ^2/NDF : 5538042.6/20

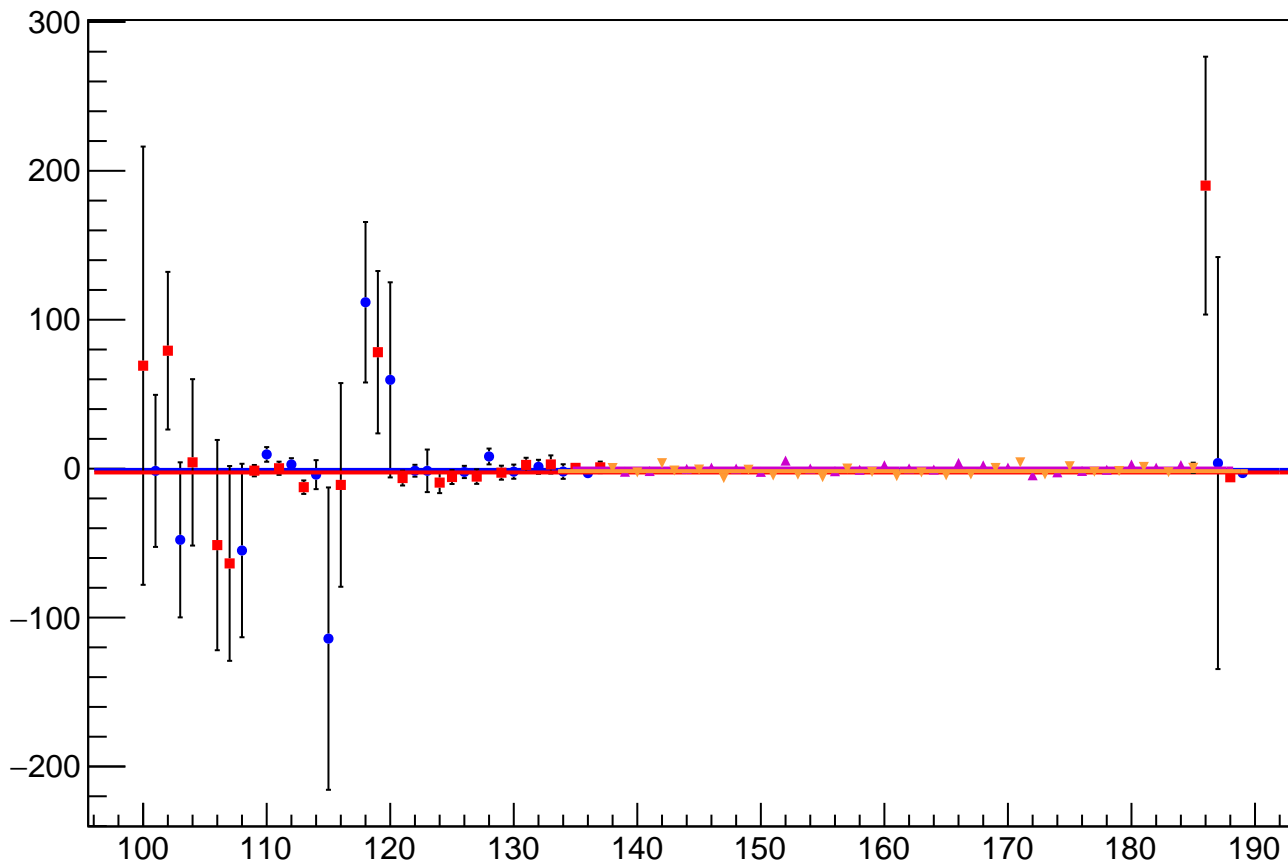
Left In: 3411.924+/-0.596 χ^2/NDF : 1434523.7/22

+ sign 3155.627+/-0.478 χ^2/NDF : 7105875.3/43

All: 3146.249+/-0.340 χ^2/NDF : 14707129.0/8

- sign 3136.620+/-0.484 χ^2/NDF : 7600473.2/43

diff_bpm1p03aX_mean vs Slug



Right In: -0.833 ± 1.139 $\chi^2/\text{NDF}: 18.5/18$

Left Out: -1.672 ± 0.388 $\chi^2/\text{NDF}: 45.7/24$

Right Out: -2.560 ± 1.171 $\chi^2/\text{NDF}: 23.6/20$

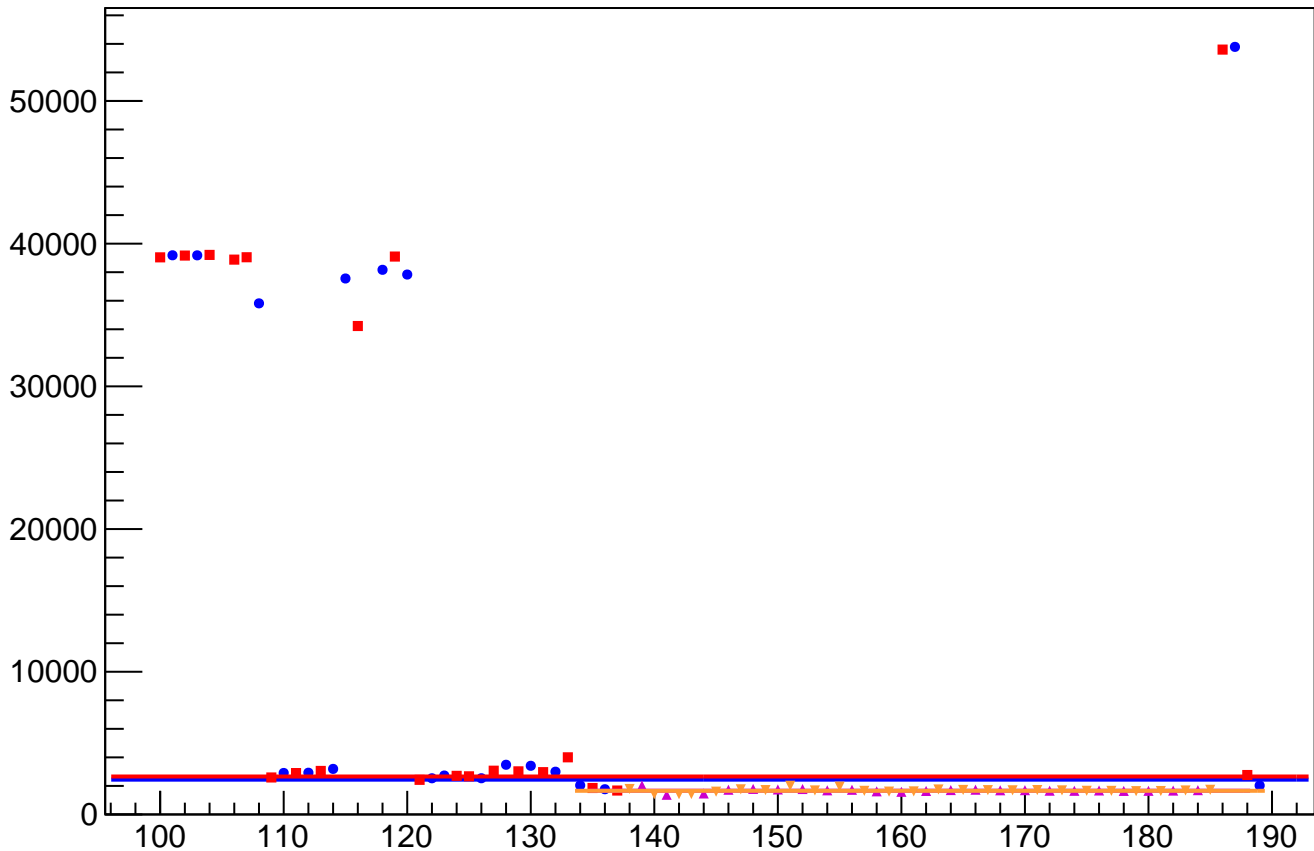
Left In: 0.072 ± 0.401 $\chi^2/\text{NDF}: 28.2/22$

+ sign -1.585 ± 0.367 $\chi^2/\text{NDF}: 64.6/43$

All: -0.917 ± 0.264 $\chi^2/\text{NDF}: 127.8/87$

- sign -0.205 ± 0.379 $\chi^2/\text{NDF}: 56.3/43$

diff_bpm1p03aX_rms vs Slug



Right In: 2438.787+/-0.805 χ^2/NDF : 5202099.3/18

Left Out: 1657.770+/-0.274 χ^2/NDF : 223465.3/24

Right Out: 2659.693+/-0.828 χ^2/NDF : 5556648.6/20

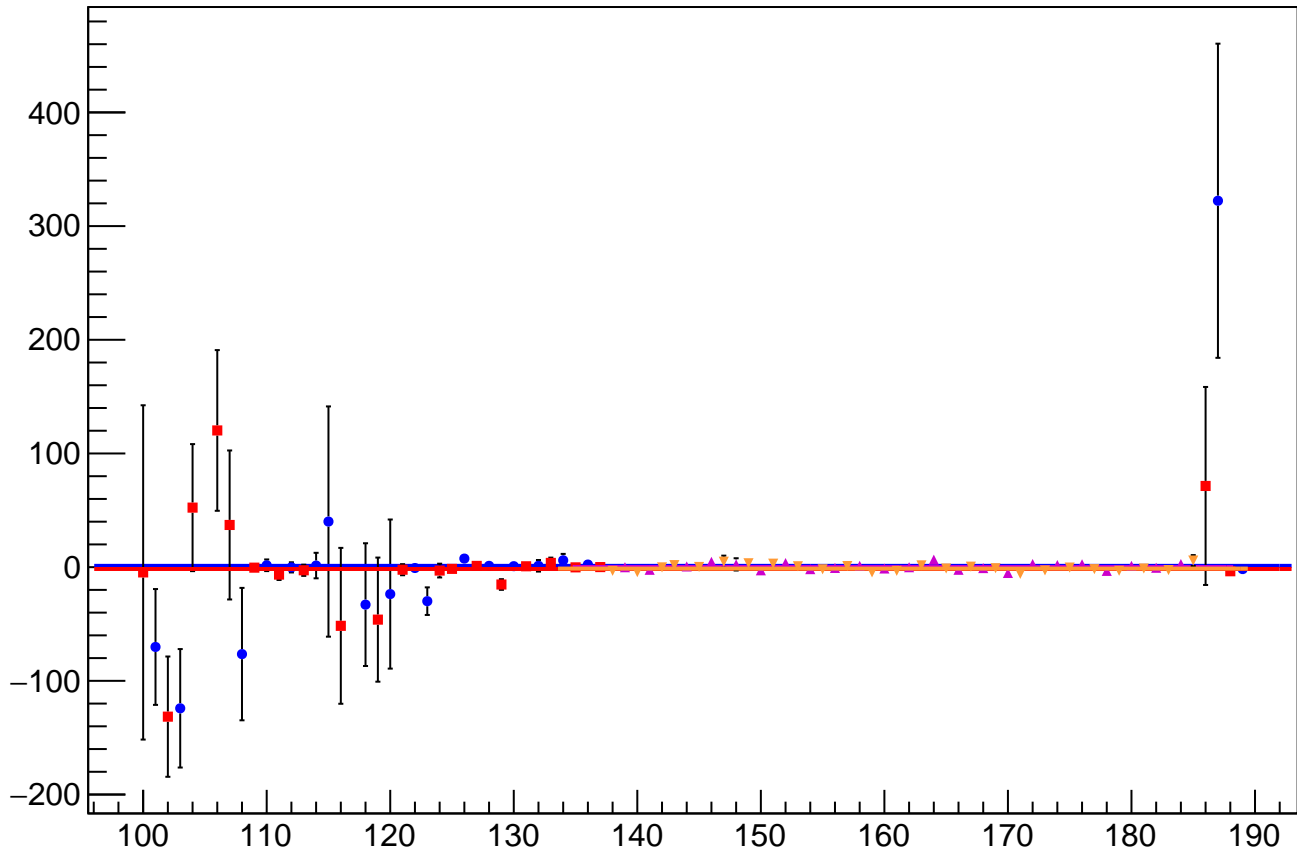
Left In: 1663.620+/-0.284 χ^2/NDF : 178858.2/22

+ sign 1739.021+/-0.260 χ^2/NDF : 6268288.4/43

All: 1753.107+/-0.187 χ^2/NDF : 13304380.3/80

- sign 1768.136+/-0.268 χ^2/NDF : 7030013.1/43

diff_bpm1p03aY_mean vs Slug



Right In: 1.143 ± 1.049 $\chi^2/\text{NDF}: 27.5/18$

Left Out: -1.251 ± 0.535 $\chi^2/\text{NDF}: 21.7/24$

Right Out: -1.608 ± 1.007 $\chi^2/\text{NDF}: 25.3/20$

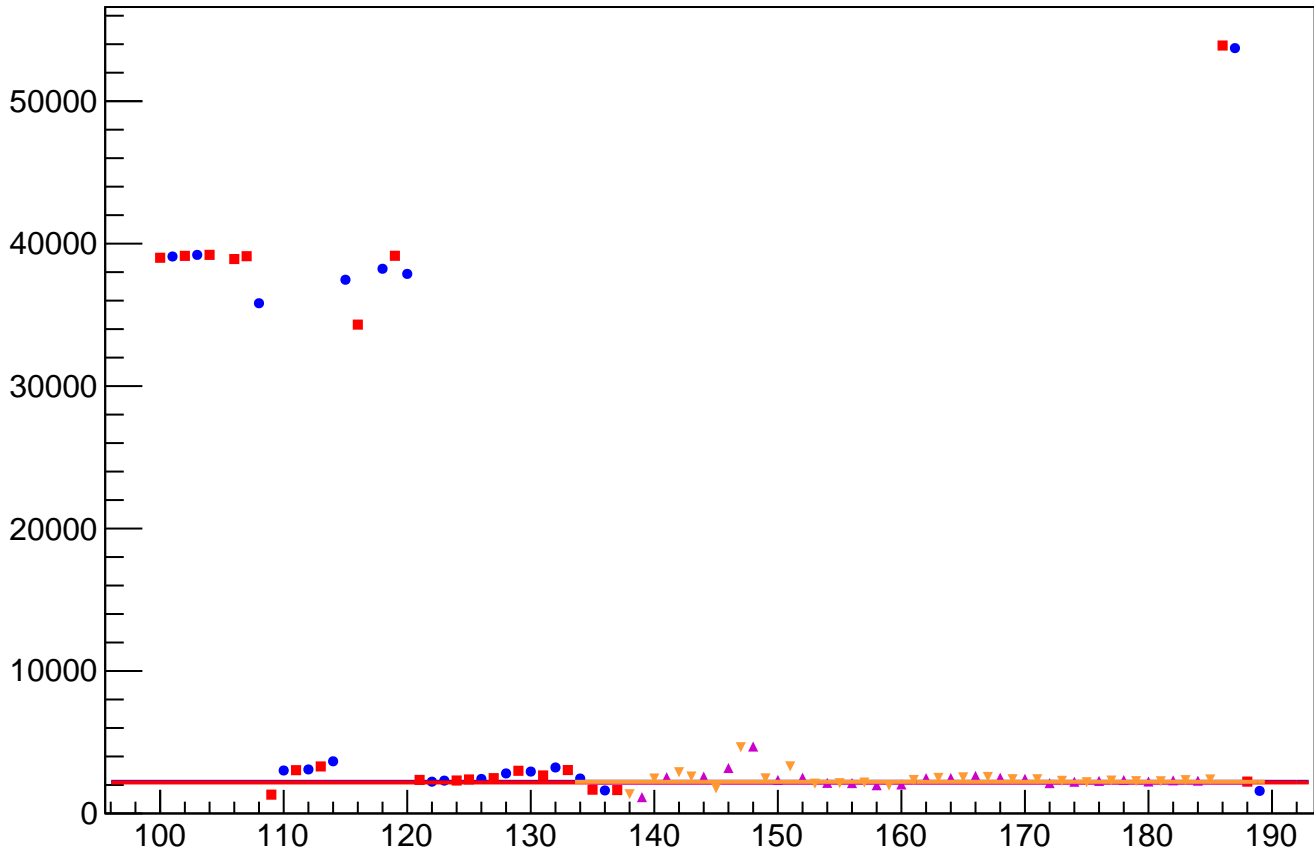
Left In: 0.098 ± 0.541 $\chi^2/\text{NDF}: 19.3/22$

+ sign -0.756 ± 0.477 $\chi^2/\text{NDF}: 53.4/43$

All: -0.521 ± 0.337 $\chi^2/\text{NDF}: 100.7/87$

- sign -0.285 ± 0.477 $\chi^2/\text{NDF}: 46.8/43$

diff_bpm1p03aY_rms vs Slug



Right In: 2220.747+/-0.742 χ^2 /NDF: 5426885.7/18

Left Out: 2222.081+/-0.378 χ^2 /NDF: 1422440.9/24

Right Out: 2176.001+/-0.712 χ^2 /NDF: 6008650.0/20

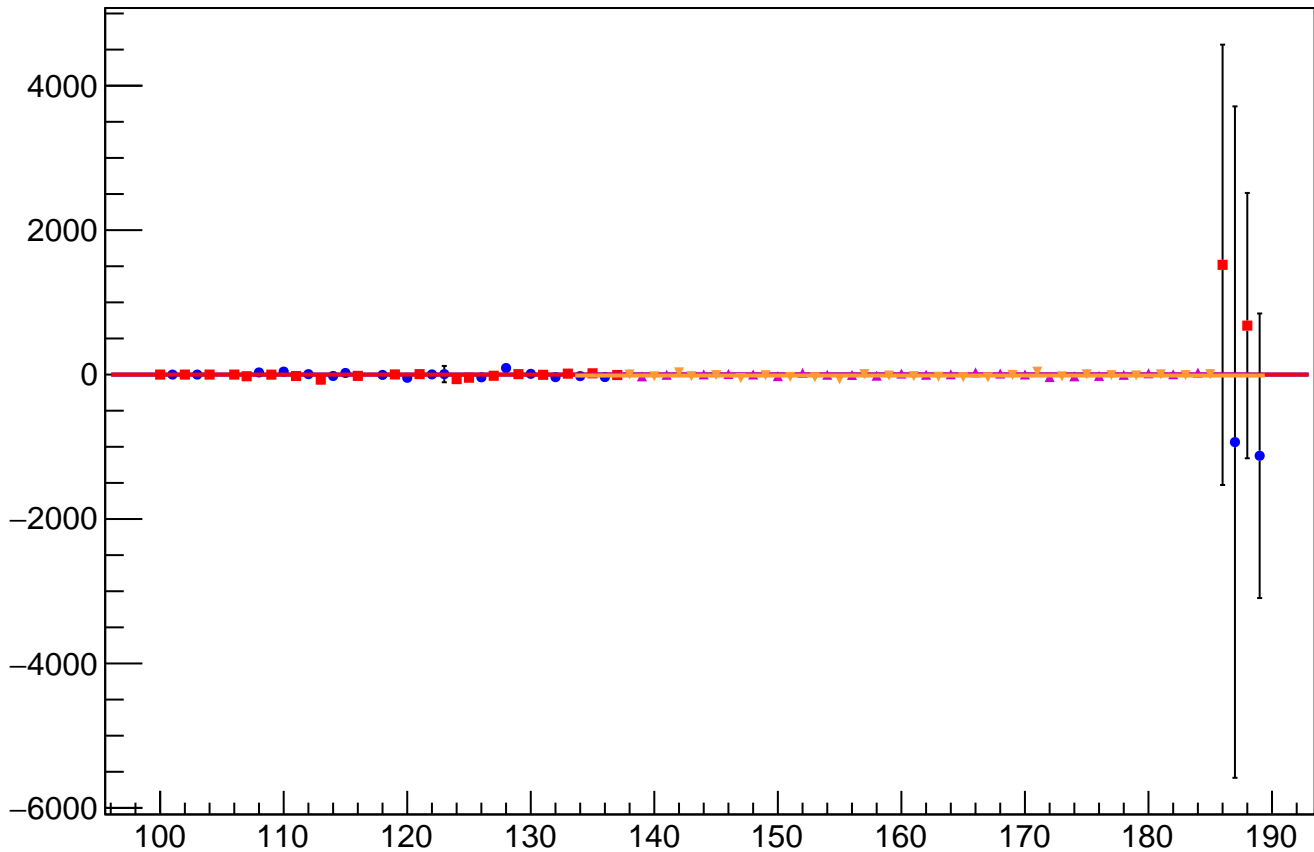
Left In: 2169.443+/-0.383 χ^2 /NDF: 1974869.8/22

+ sign 2221.805+/-0.337 χ^2 /NDF: 6849329.2/43

All: 2196.366+/-0.238 χ^2 /NDF: 14844314.5/8

- sign 2170.913+/-0.337 χ^2 /NDF: 7983585.7/43

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2 /NDF: 17.0/18

Left Out: -13.484+/-2.800 χ^2 /NDF:58.7/24

Right Out: 0.003+/-0.016 χ^2 /NDF: 15.9/20

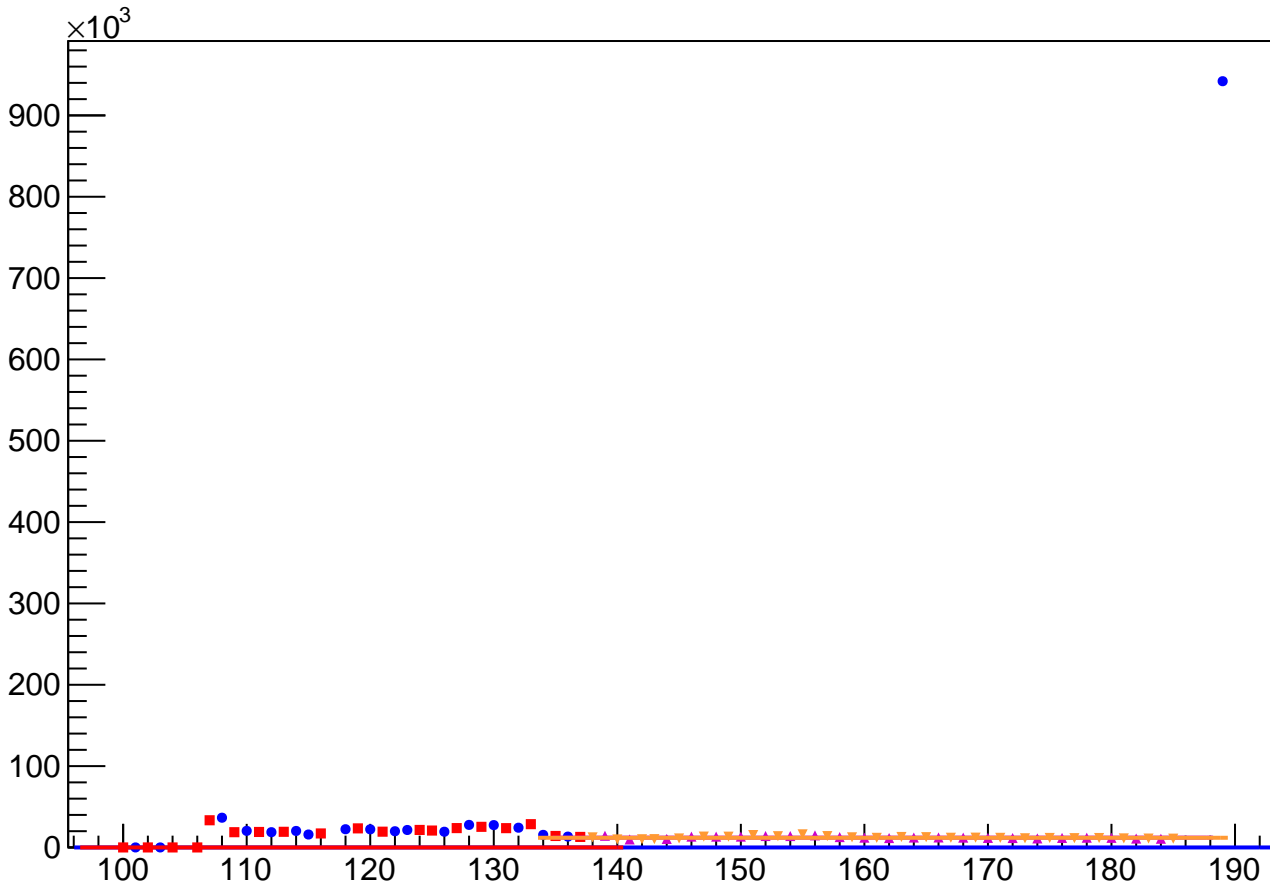
Left In: -0.459+/-2.917 χ^2 /NDF:29.0/22

+ sign 0.013+/-0.017 χ^2 /NDF: 98.9/43

All: 0.008+/-0.012 χ^2 /NDF: 143.9/87

- sign 0.003+/-0.016 χ^2 /NDF: 44.9/43

diff_cav4bX_rms vs Slug



Right In: 18.641 \pm 0.012 χ^2 /NDF: 11125273.3/17

Left Out: 11910.325 \pm 1.980 χ^2 /NDF: 476504.3/24

Right Out: 18.311 \pm 0.011 χ^2 /NDF: 11063399.8/18

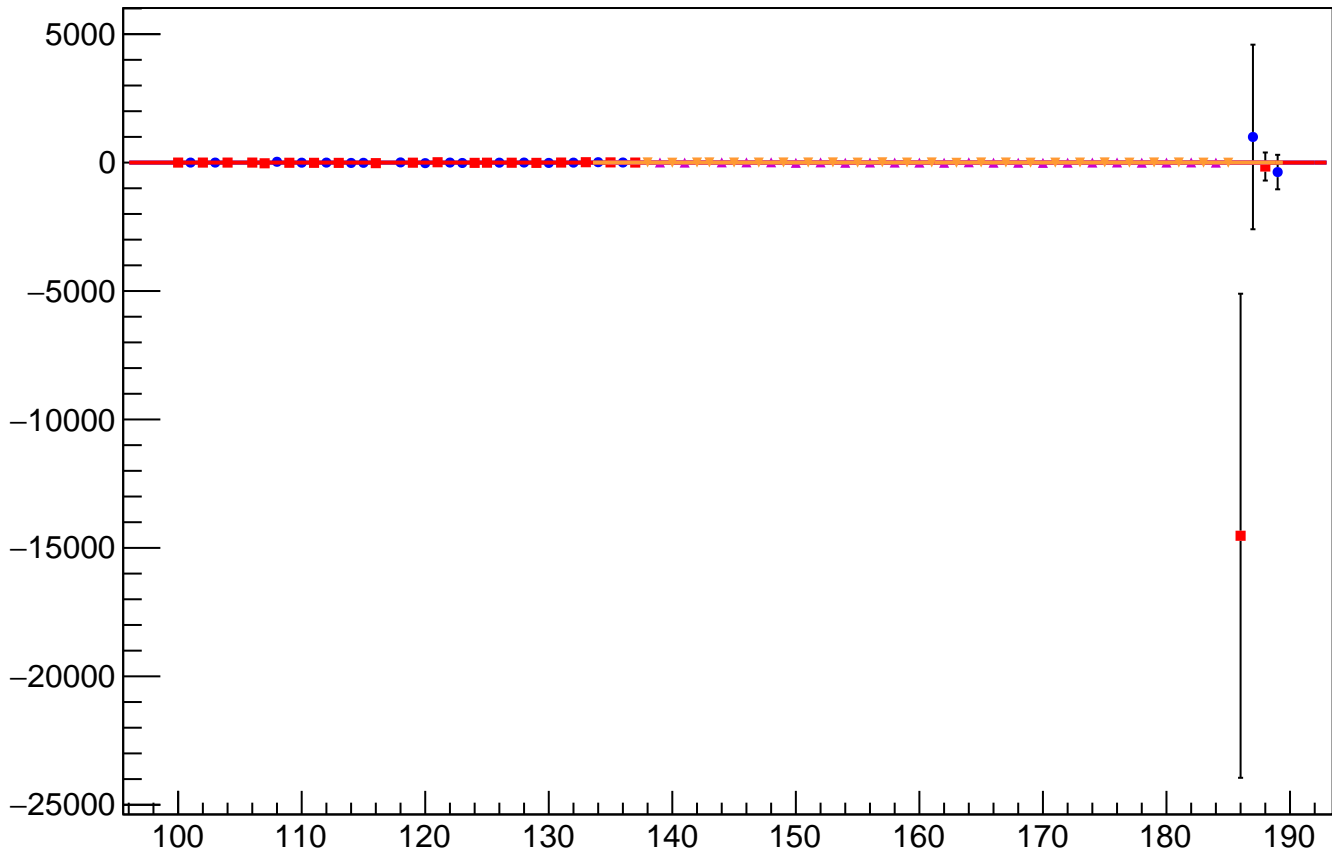
Left In: 12064.761 \pm 2.062 χ^2 /NDF: 368452.5/22

+ sign 19.097 \pm 0.012 χ^2 /NDF: 47664922.8/42

All: 18.871 \pm 0.008 χ^2 /NDF: 93213311.5/84

- sign 18.677 \pm 0.011 χ^2 /NDF: 45547757.3/41

diff_cav4bY_mean vs Slug



Right In: 0.001 \pm 0.009 χ^2 /NDF: 13.3/18

Left Out: 1.649 \pm 1.022 χ^2 /NDF:18.4/24

Right Out: 0.014 \pm 0.009 χ^2 /NDF: 21.2/20

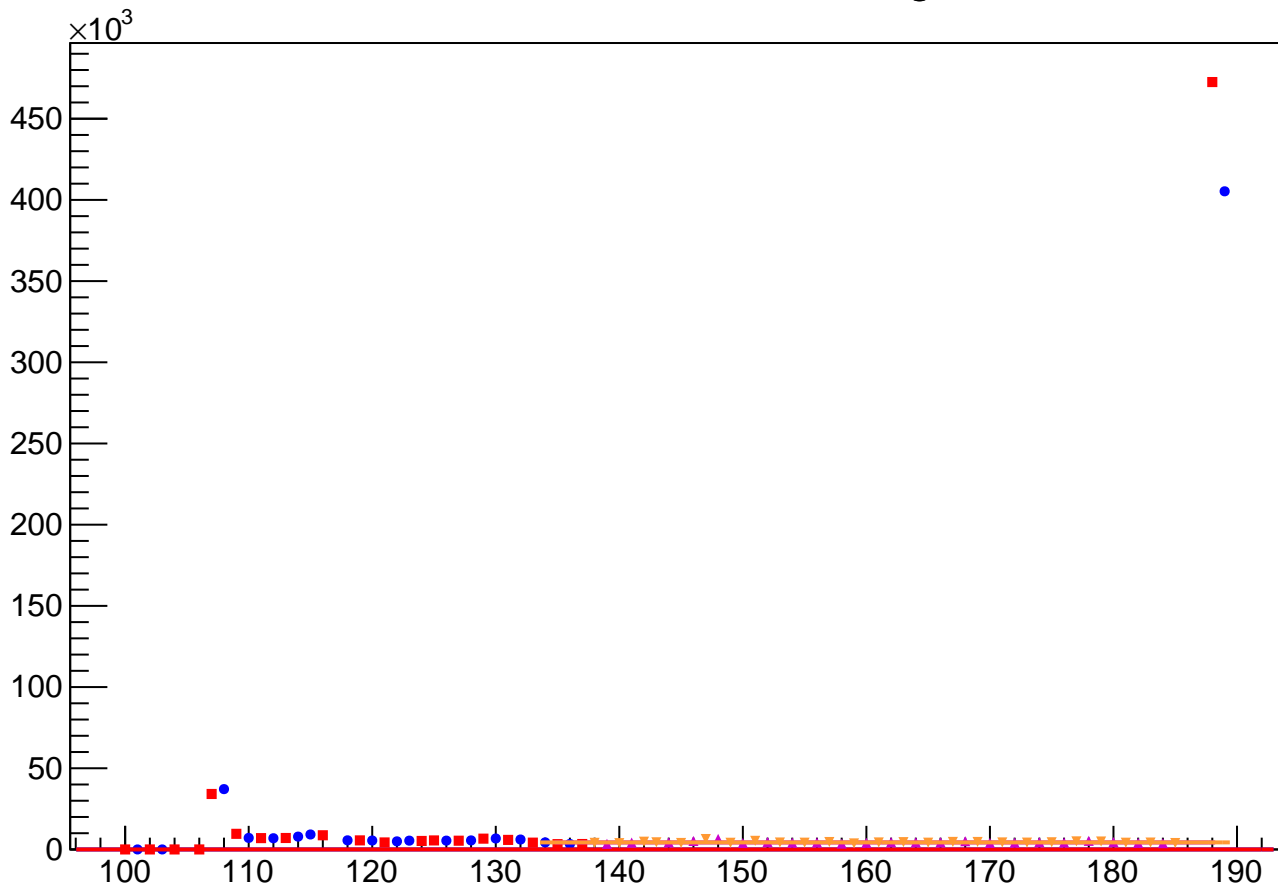
Left In: 0.939 \pm 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 \pm 0.009 χ^2 /NDF: 34.2/43

All: 0.008 \pm 0.006 χ^2 /NDF: 92.9/87

- sign 0.014 \pm 0.009 χ^2 /NDF: 57.6/43

diff_cav4bY_rms vs Slug



Right In: 9.939 ± 0.007 $\chi^2/\text{NDF}: 11774538.3/17$

Left Out: 4349.005 ± 0.723 $\chi^2/\text{NDF}: 383895.7/24$

Right Out: 9.854 ± 0.006 $\chi^2/\text{NDF}: 12586489.2/19$

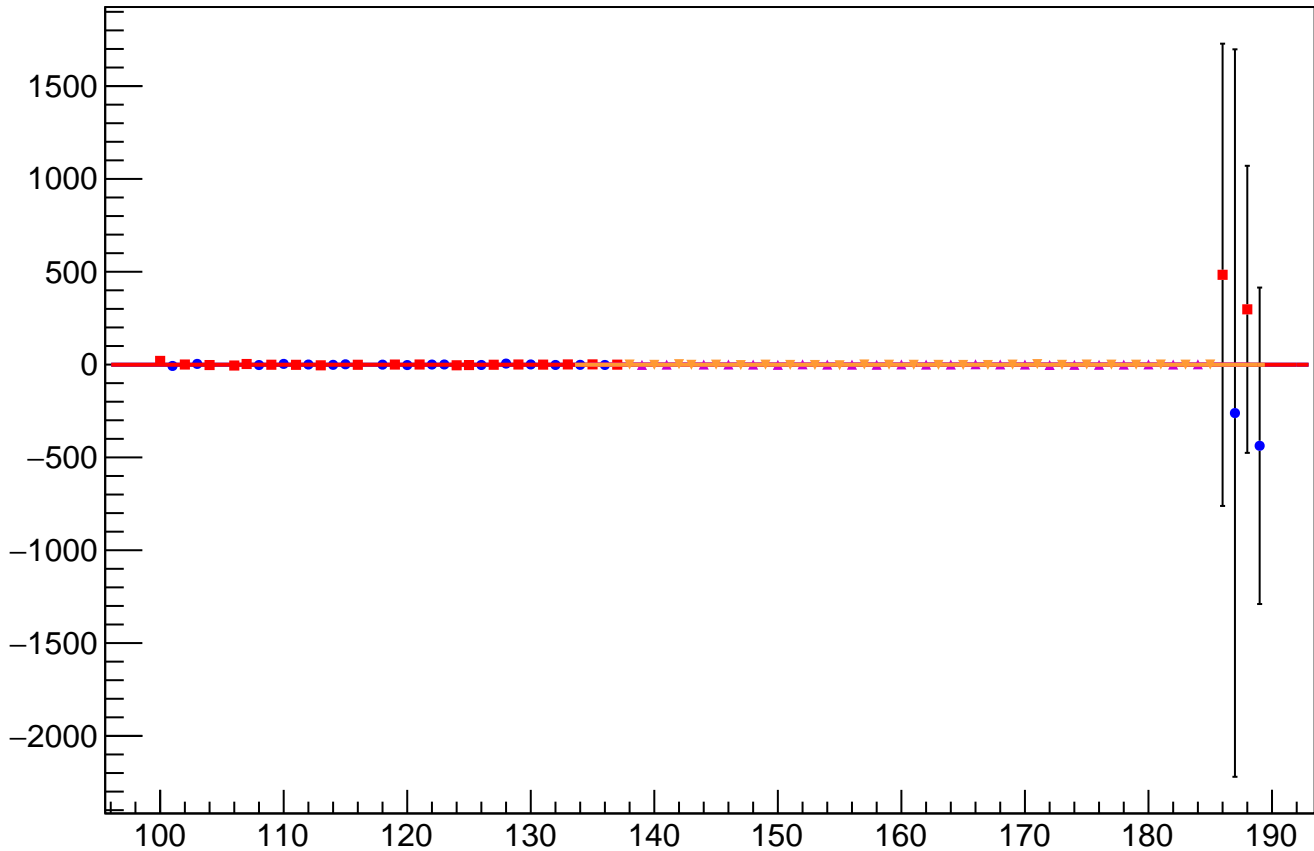
Left In: 4321.572 ± 0.741 $\chi^2/\text{NDF}: 514603.2/22$

+ sign 10.290 ± 0.007 $\chi^2/\text{NDF}: 48201966.5/42$

All: 10.215 ± 0.004 $\chi^2/\text{NDF}: 95122089.3/85$

- sign 10.148 ± 0.006 $\chi^2/\text{NDF}: 46919867.0/42$

diff_cav4cX_mean vs Slug



Right In: -0.714 ± 0.483 $\chi^2/\text{NDF}: 23.0/18$

Left Out: -0.775 ± 0.165 $\chi^2/\text{NDF}: 58.5/24$

Right Out: -0.638 ± 0.501 $\chi^2/\text{NDF}: 13.4/20$

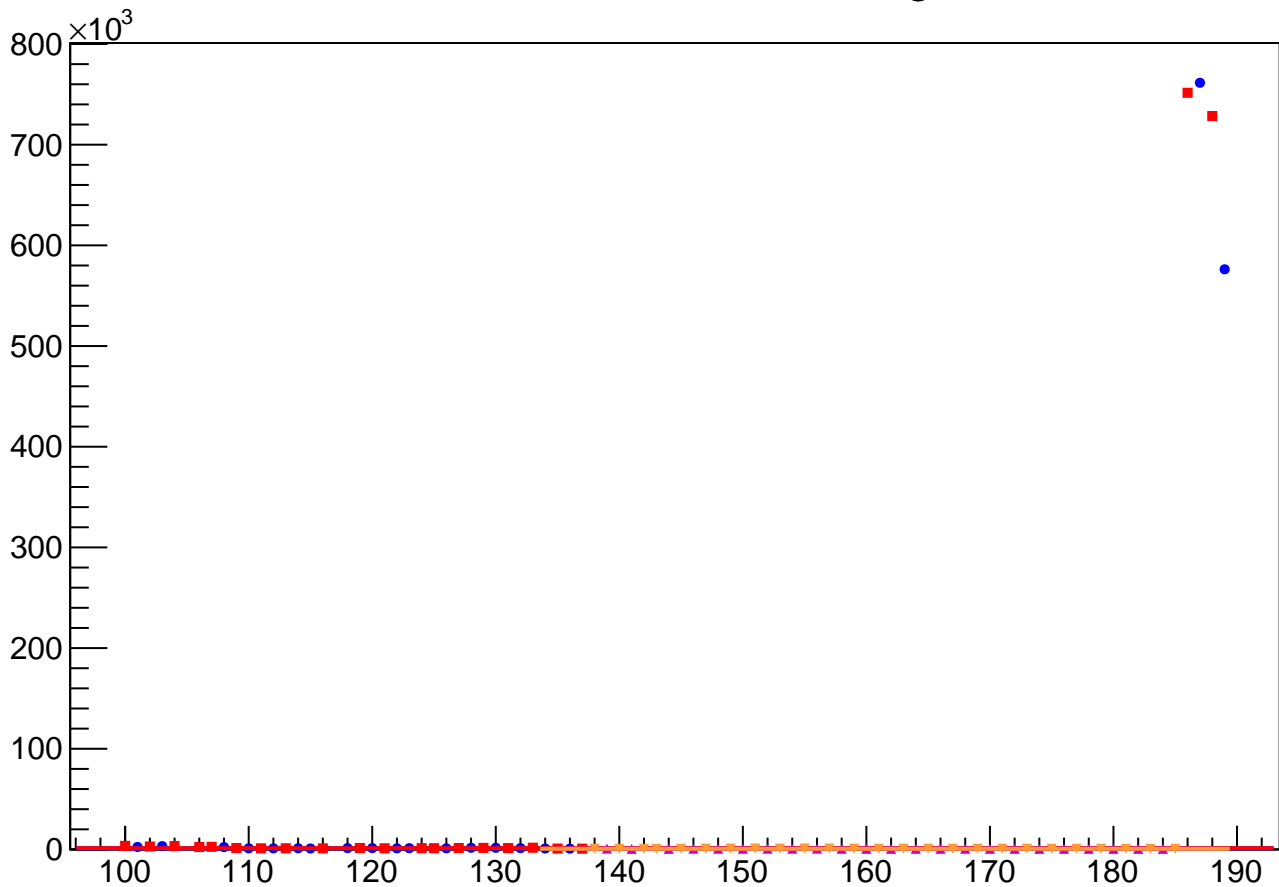
Left In: -0.018 ± 0.171 $\chi^2/\text{NDF}: 29.4/22$

+ sign -0.769 ± 0.156 $\chi^2/\text{NDF}: 81.5/43$

All: -0.438 ± 0.112 $\chi^2/\text{NDF}: 135.0/87$

- sign -0.083 ± 0.162 $\chi^2/\text{NDF}: 44.2/43$

diff_cav4cX_rms vs Slug



Right In: 1167.352 \pm 0.342 χ^2/NDF : 2791883.2/18

Left Out: 700.984 \pm 0.116 χ^2/NDF : 392855.4/24

Right Out: 1248.337 \pm 0.355 χ^2/NDF : 4116389.3/20

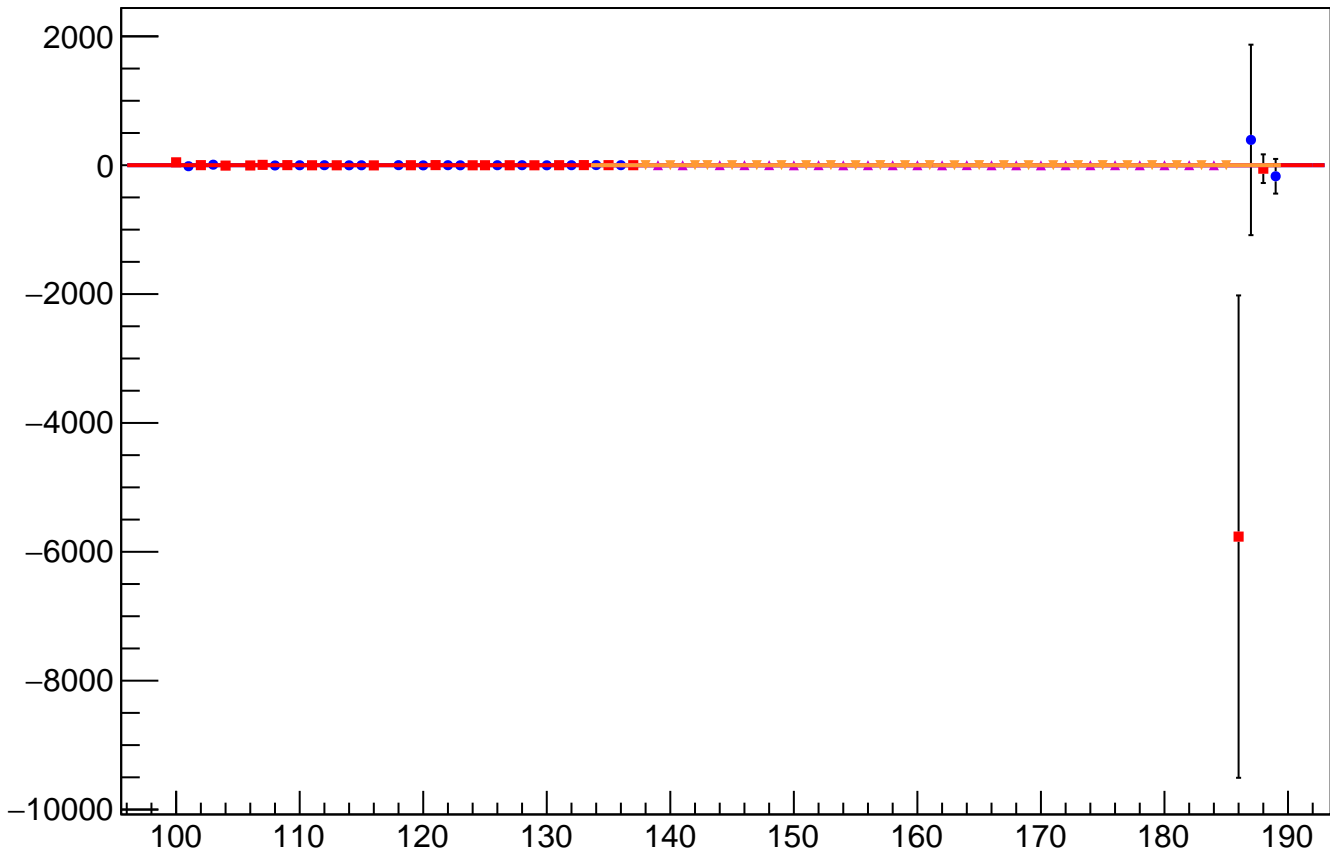
Left In: 706.971 \pm 0.121 χ^2/NDF : 332011.4/22

+ sign 749.475 \pm 0.110 χ^2/NDF : 4854642.6/43

All: 756.099 \pm 0.079 χ^2/NDF : 11399144.6/87

- sign 763.231 \pm 0.114 χ^2/NDF : 6536994.1/43

diff_cav4cY_mean vs Slug



Right In: -0.060 ± 0.269 $\chi^2/\text{NDF}: 19.6/18$

Left Out: 0.233 ± 0.123 $\chi^2/\text{NDF}: 18.0/24$

Right Out: 0.280 ± 0.264 $\chi^2/\text{NDF}: 23.0/20$

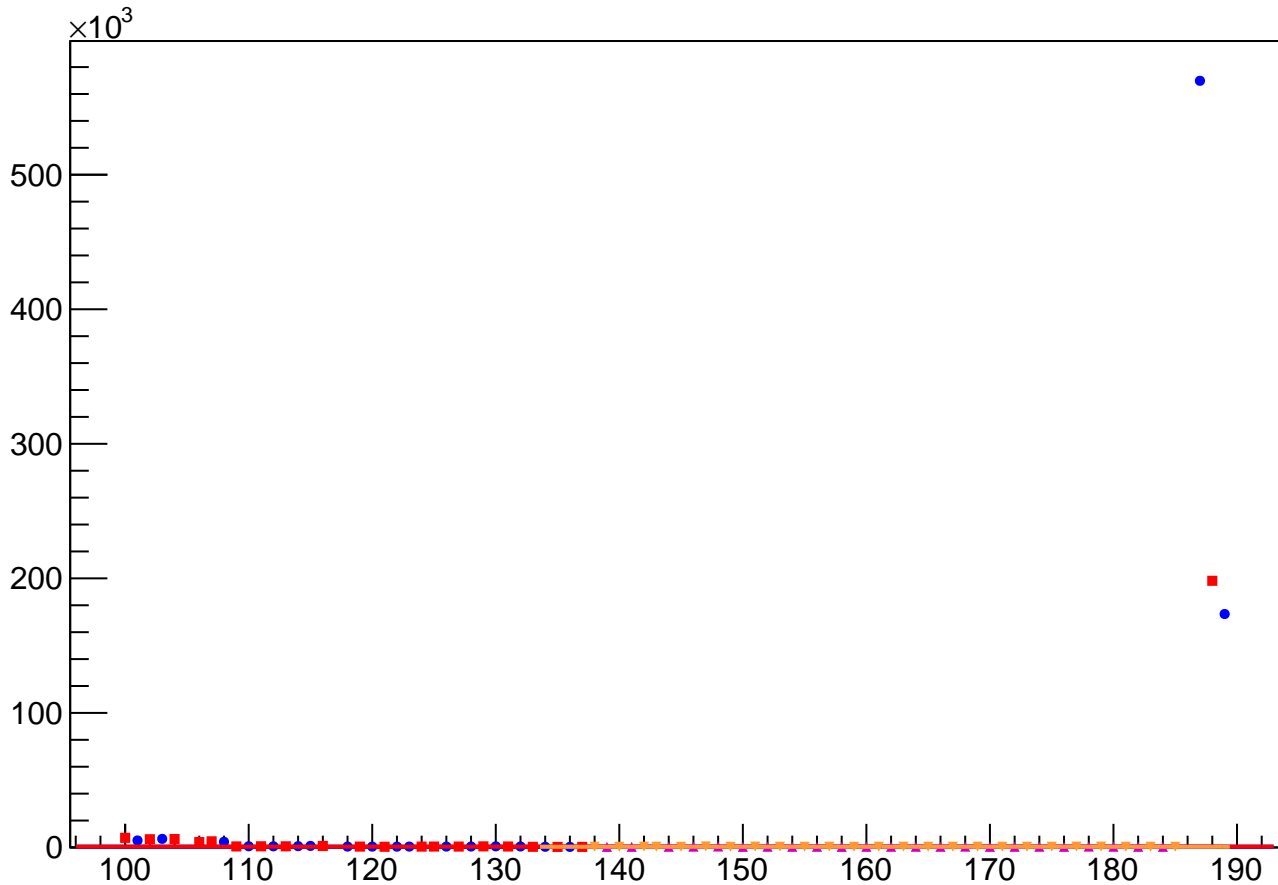
Left In: 0.126 ± 0.126 $\chi^2/\text{NDF}: 35.0/22$

+ sign 0.183 ± 0.112 $\chi^2/\text{NDF}: 38.6/43$

All: 0.169 ± 0.080 $\chi^2/\text{NDF}: 96.8/87$

- sign 0.154 ± 0.114 $\chi^2/\text{NDF}: 58.2/43$

diff_cav4cY_rms vs Slug



Right In: 609.577 \pm 0.190 χ^2 /NDF: 4257209.0/18

Left Out: 522.220 \pm 0.087 χ^2 /NDF: 330405.3/24

Right Out: 599.099 \pm 0.187 χ^2 /NDF: 5130396.5/19

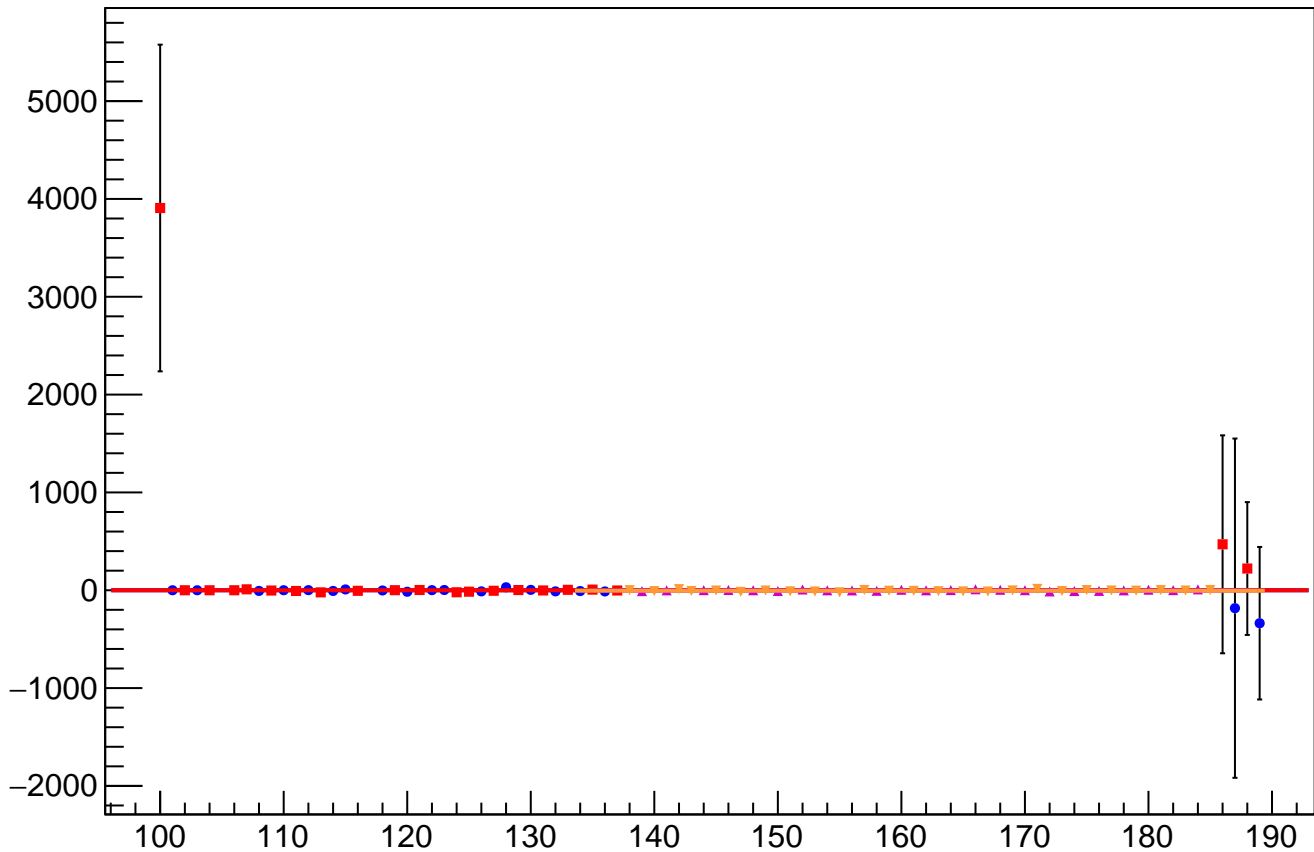
Left In: 520.700 \pm 0.089 χ^2 /NDF: 427720.5/22

+ sign 537.246 \pm 0.079 χ^2 /NDF: 4762258.6/43

All: 536.261 \pm 0.056 χ^2 /NDF: 10463917.4/80

- sign 535.235 \pm 0.081 χ^2 /NDF: 5701340.4/42

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 16.2/18

Left Out: -4.480 ± 0.957 χ^2/NDF : 58.4/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.7/20

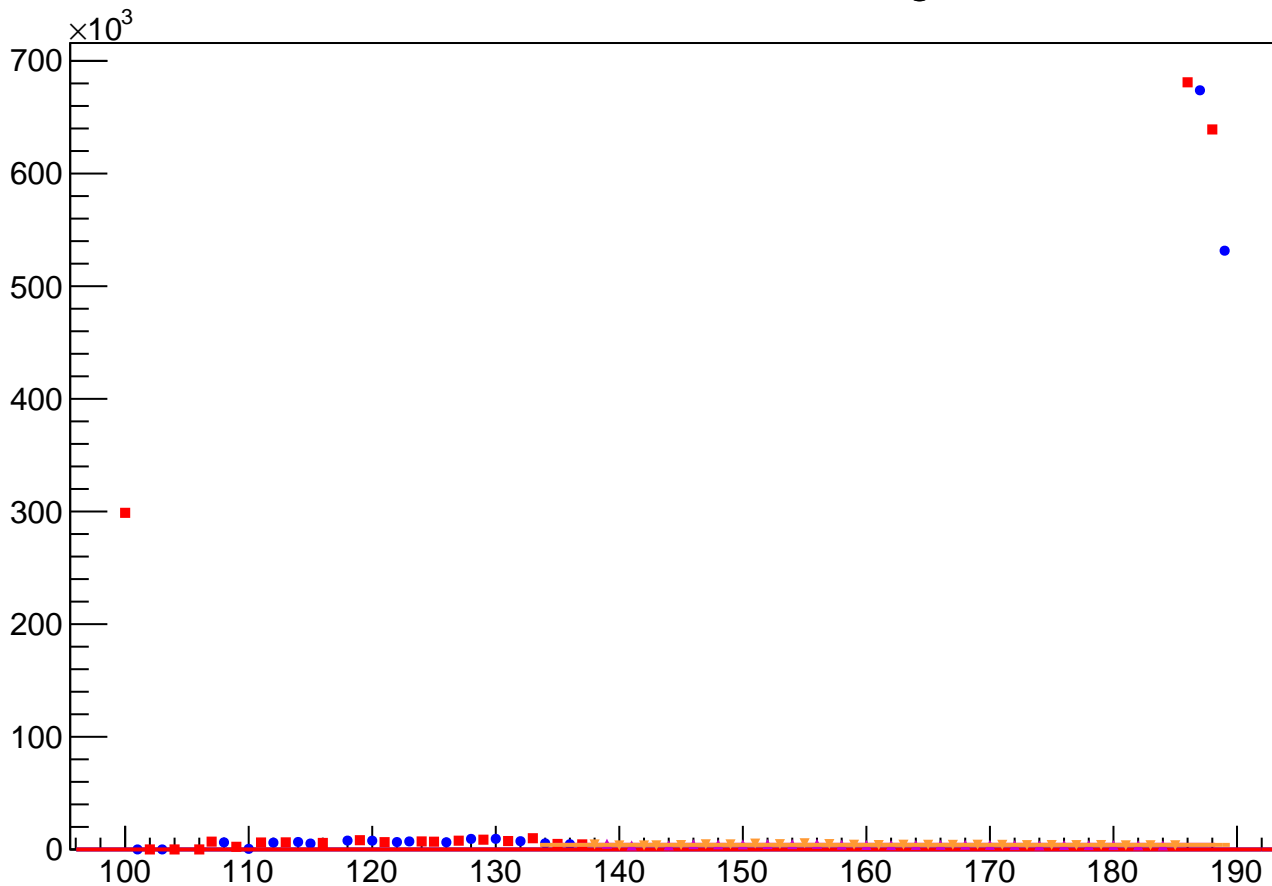
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 96.3/43

All: -0.025 ± 0.014 χ^2/NDF : 143.5/87

- sign -0.027 ± 0.020 χ^2/NDF : 47.2/43

diff_cav4dX_rms vs Slug



Right In: 17.340 \pm 0.015 χ^2 /NDF: 11689269.1/18

Left Out: 4075.147 \pm 0.677 χ^2 /NDF:417511.0/24

Right Out: 17.268 \pm 0.014 χ^2 /NDF: 13285866.4/20

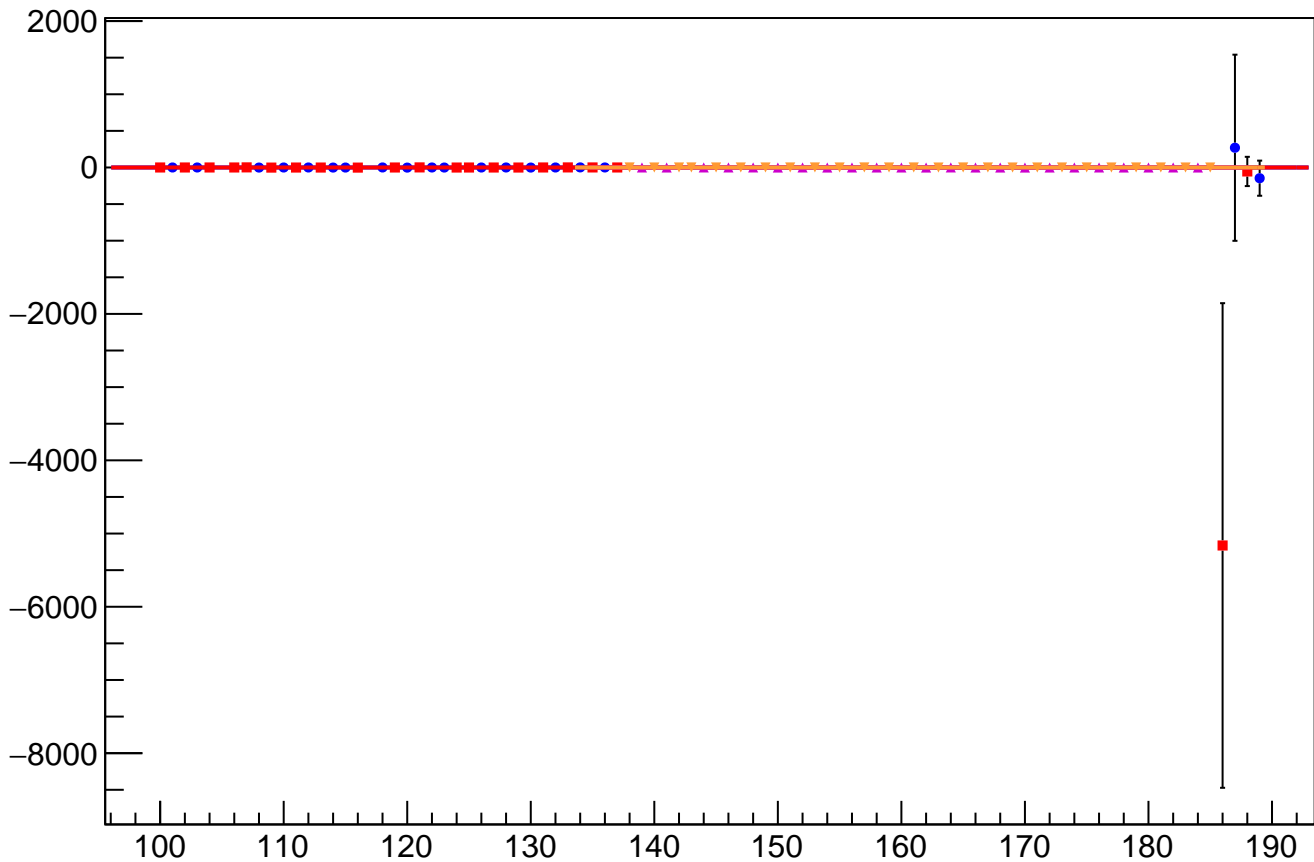
Left In: 4113.993 \pm 0.703 χ^2 /NDF:349160.6/22

+ sign 19.254 \pm 0.015 χ^2 /NDF: 48039429.5/43

All: 19.062 \pm 0.010 χ^2 /NDF: 95630751.4/87

- sign 18.889 \pm 0.014 χ^2 /NDF: 47590998.0/43

diff_cav4dY_mean vs Slug



Right In: 0.000 \pm 0.002 χ^2 /NDF: 14.0/18

Left Out: 0.148 \pm 0.076 χ^2 /NDF:17.3/24

Right Out: 0.001 \pm 0.002 χ^2 /NDF: 20.7/20

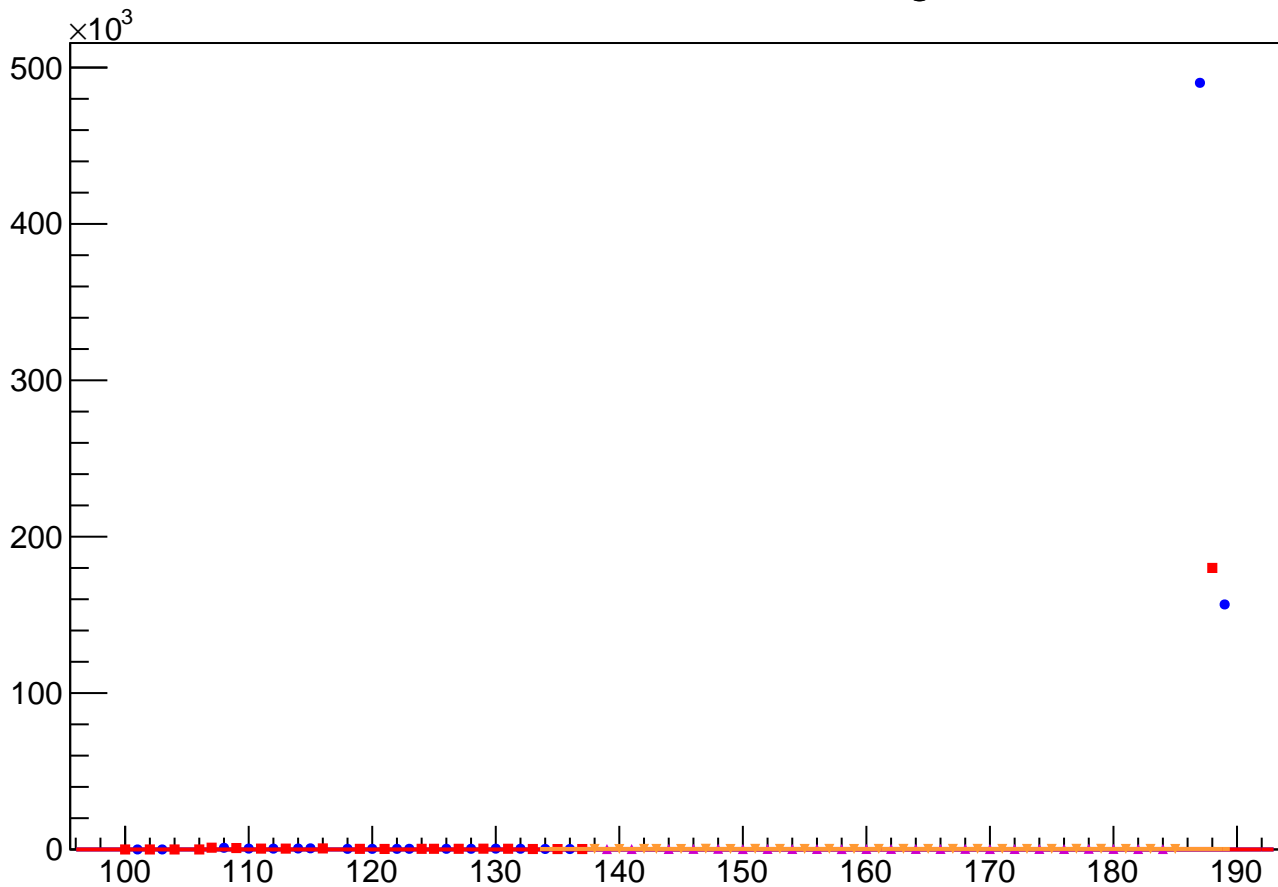
Left In: 0.080 \pm 0.079 χ^2 /NDF:34.6/22

+ sign 0.000 \pm 0.002 χ^2 /NDF: 35.1/43

All: 0.001 \pm 0.001 χ^2 /NDF: 91.4/87

- sign 0.001 \pm 0.002 χ^2 /NDF: 56.3/43

diff_cav4dY_rms vs Slug



Right In: 1.699 \pm 0.001 χ^2 /NDF: 12157068.7/18

Left Out: 325.326 \pm 0.054 χ^2 /NDF:347705.2/24

Right Out: 1.728 \pm 0.001 χ^2 /NDF: 12321752.6/19

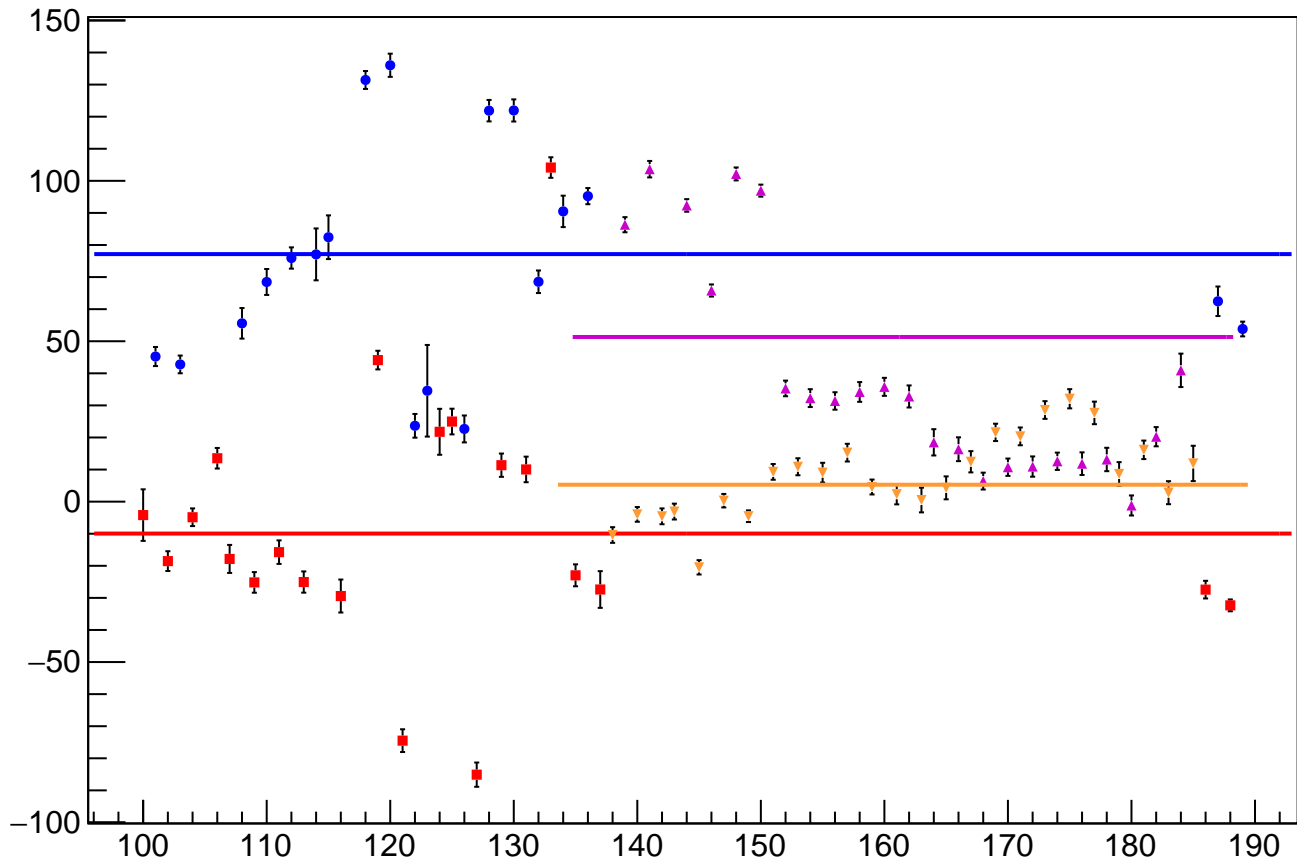
Left In: 325.626 \pm 0.056 χ^2 /NDF:413350.0/22

+ sign 1.926 \pm 0.001 χ^2 /NDF: 48368974.6/43

All: 1.925 \pm 0.001 χ^2 /NDF: 94828657.4/86

- sign 1.924 \pm 0.001 χ^2 /NDF: 46459681.4/42

diff_bpm0i01X_mean vs Slug



Right In: 77.162 \pm 0.815 χ^2 /NDF: 1852.3/18

Left Out: 5.276 \pm 0.544 χ^2 /NDF:556.2/24

Right Out: -9.951 \pm 0.739 χ^2 /NDF: 2836.3/20

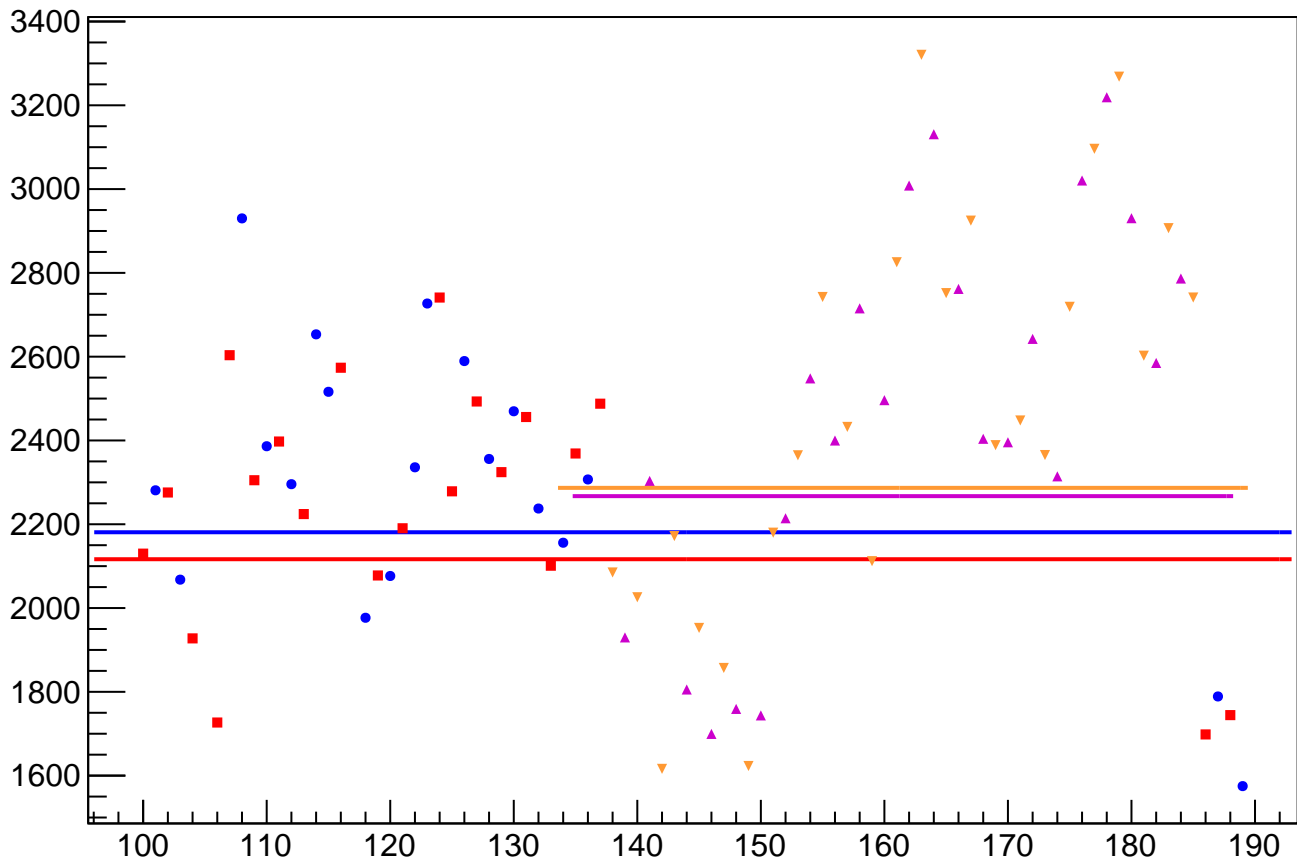
Left In: 51.328 \pm 0.558 χ^2 /NDF:4257.8/22

+ sign 27.457 \pm 0.452 χ^2 /NDF: 7793.1/43

All: 28.277 \pm 0.317 χ^2 /NDF: 19268.2/87

- sign 29.072 \pm 0.446 χ^2 /NDF: 11468.6/43

diff_bpm0i01X_rms vs Slug



Right In: 2180.897 \pm 0.576 χ^2 /NDF: 290623.5/18

Left Out: 2286.871 \pm 0.385 χ^2 /NDF: 1360490.8/24

Right Out: 2116.522 \pm 0.523 χ^2 /NDF: 312979.7/20

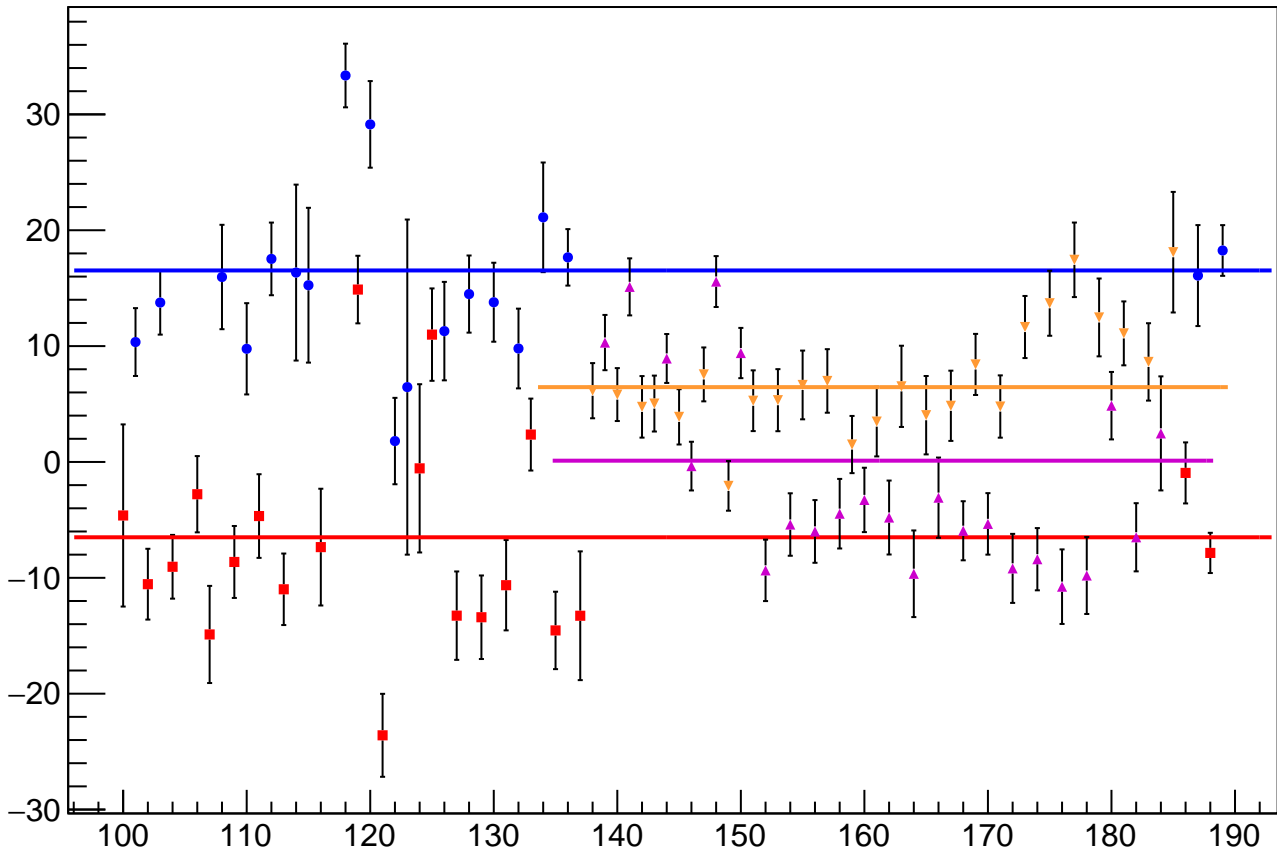
Left In: 2267.097 \pm 0.395 χ^2 /NDF: 1313364.4/22

+ sign 2254.172 \pm 0.320 χ^2 /NDF: 1674518.7/43

All: 2232.969 \pm 0.224 χ^2 /NDF: 3362337.7/87

- sign 2212.410 \pm 0.315 χ^2 /NDF: 1679170.1/43

diff_bpm0i01Y_mean vs Slug



Right In: 16.529 ± 0.797 $\chi^2/\text{NDF}: 81.7/18$

Left Out: 6.458 ± 0.548 $\chi^2/\text{NDF}: 58.7/24$

Right Out: -6.501 ± 0.722 $\chi^2/\text{NDF}: 135.7/20$

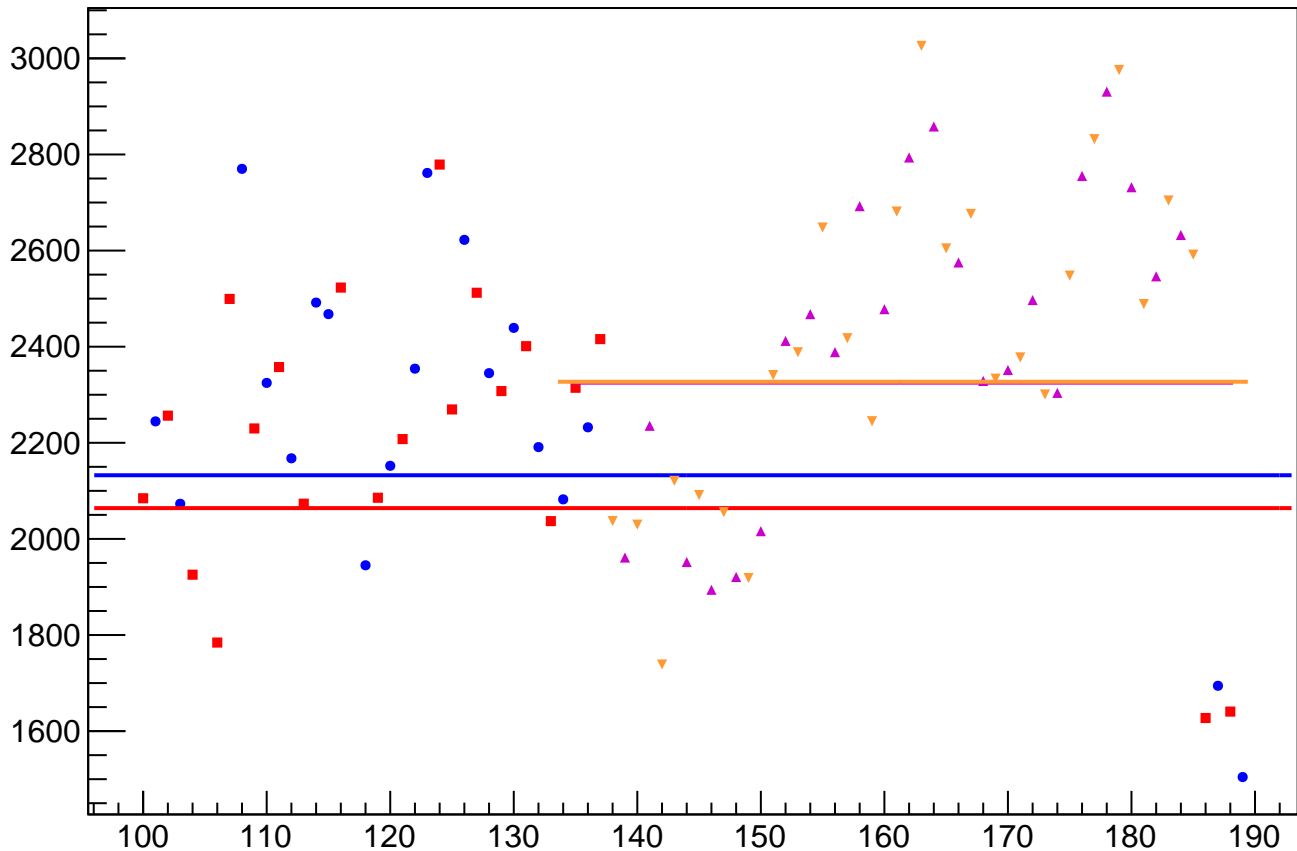
Left In: 0.110 ± 0.565 $\chi^2/\text{NDF}: 234.6/22$

+ sign 9.687 ± 0.451 $\chi^2/\text{NDF}: 248.9/43$

All: 3.556 ± 0.317 $\chi^2/\text{NDF}: 1034.9/87$

- sign -2.402 ± 0.445 $\chi^2/\text{NDF}: 422.3/43$

diff_bpm0i01Y_rms vs Slug



Right In: 2132.471 \pm 0.564 χ^2 /NDF: 318704.7/18

Left Out: 2327.044 \pm 0.387 χ^2 /NDF: 646706.7/24

Right Out: 2064.079 \pm 0.510 χ^2 /NDF: 357502.2/20

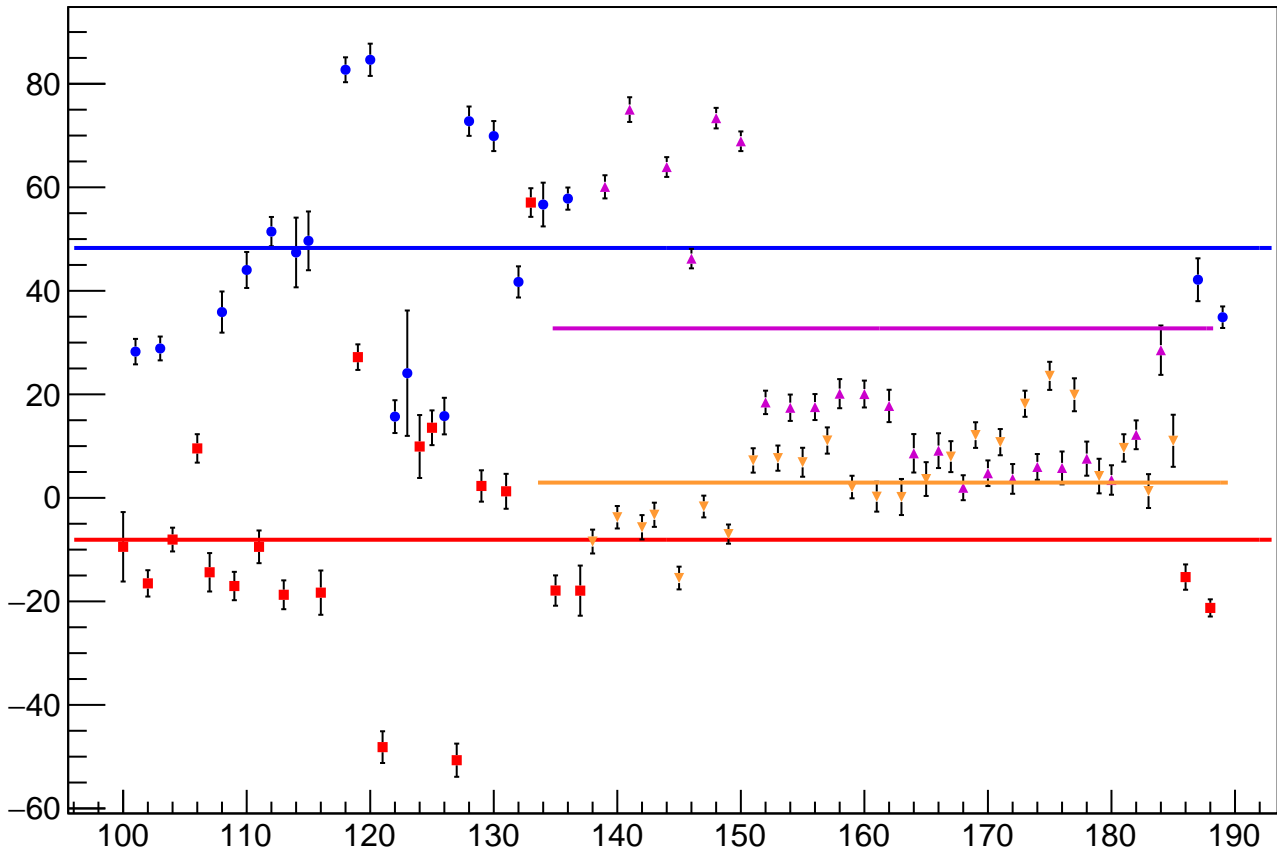
Left In: 2325.175 \pm 0.400 χ^2 /NDF: 610729.2/22

+ sign 2264.669 \pm 0.319 χ^2 /NDF: 1046370.2/43

All: 2245.028 \pm 0.224 χ^2 /NDF: 2184316.7/87

- sign 2225.936 \pm 0.315 χ^2 /NDF: 1130477.4/43

diff_bpm0i01aX_mean vs Slug



Right In: 48.283 \pm 0.697 χ^2 /NDF: 887.7/18

Left Out: 2.952 \pm 0.512 χ^2 /NDF:337.8/24

Right Out: -8.091 \pm 0.634 χ^2 /NDF: 1349.3/20

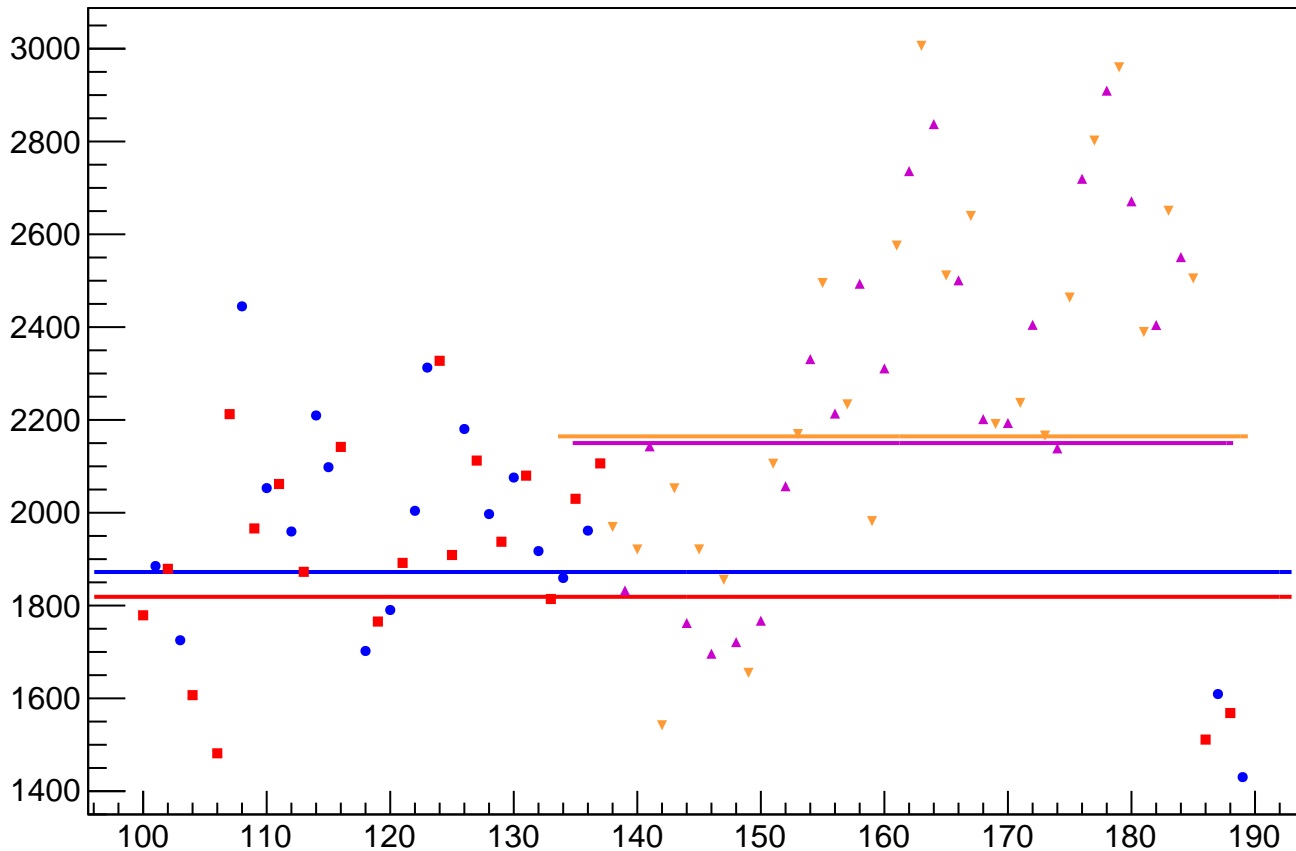
Left In: 32.745 \pm 0.526 χ^2 /NDF:2632.5/22

+ sign 18.829 \pm 0.413 χ^2 /NDF: 3971.8/43

All: 17.434 \pm 0.289 χ^2 /NDF: 10432.9/87

- sign 16.091 \pm 0.405 χ^2 /NDF: 6438.7/43

diff_bpm0i01aX_rms vs Slug



Right In: 1872.316+/-0.493 χ^2 /NDF: 213673.1/18

Left Out: 2164.573+/-0.362 χ^2 /NDF:965603.5/24

Right Out: 1818.824+/-0.448 χ^2 /NDF: 244513.3/20

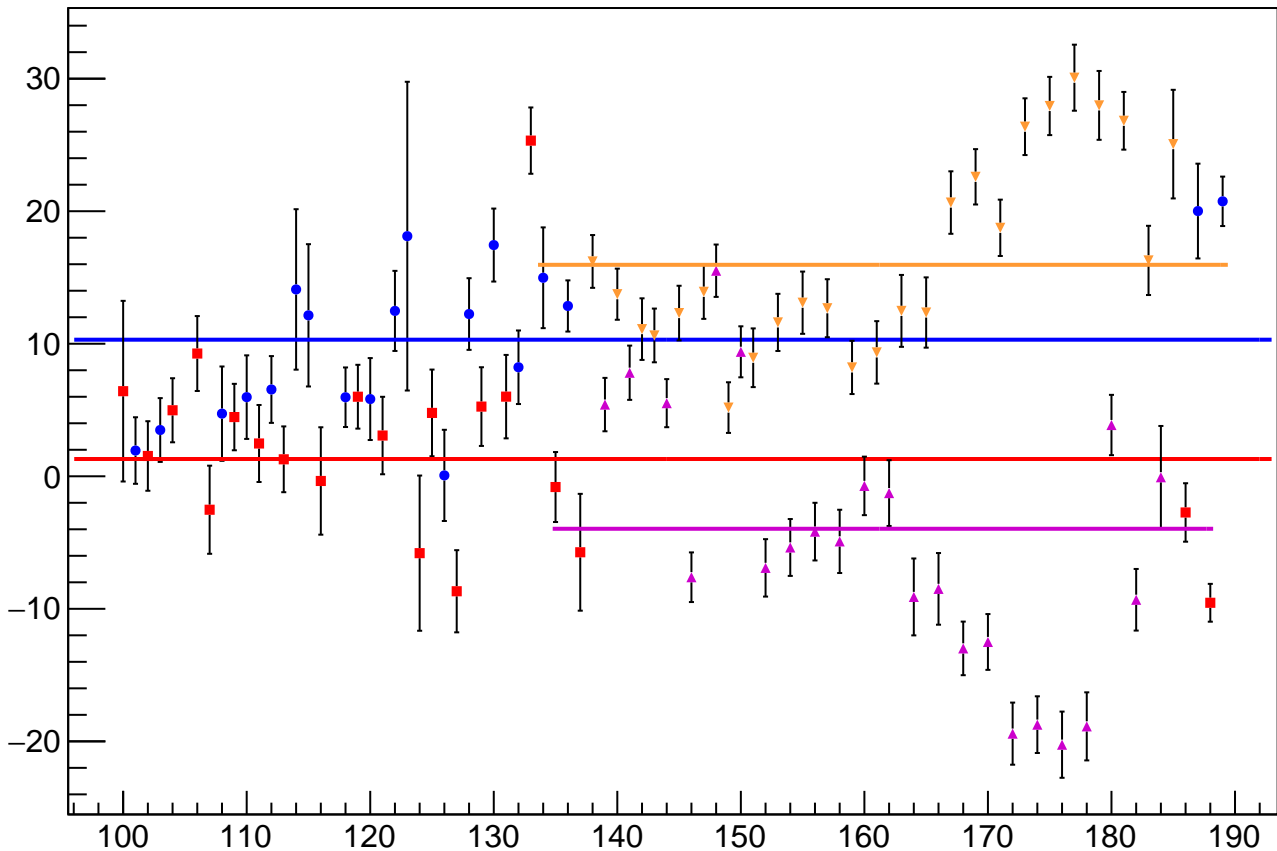
Left In: 2150.190+/-0.372 χ^2 /NDF:911849.7/22

+ sign 2062.211+/-0.292 χ^2 /NDF: 1407583.7/43

All: 2038.181+/-0.204 χ^2 /NDF: 2900815.9/87

- sign 2015.049+/-0.286 χ^2 /NDF: 1479920.8/43

diff_bpm0i01aY_mean vs Slug



Right In: 10.306 \pm 0.654 χ^2 /NDF: 91.6/18

Left Out: 15.956 \pm 0.447 χ^2 /NDF:245.2/24

Right Out: 1.304 \pm 0.594 χ^2 /NDF: 191.7/20

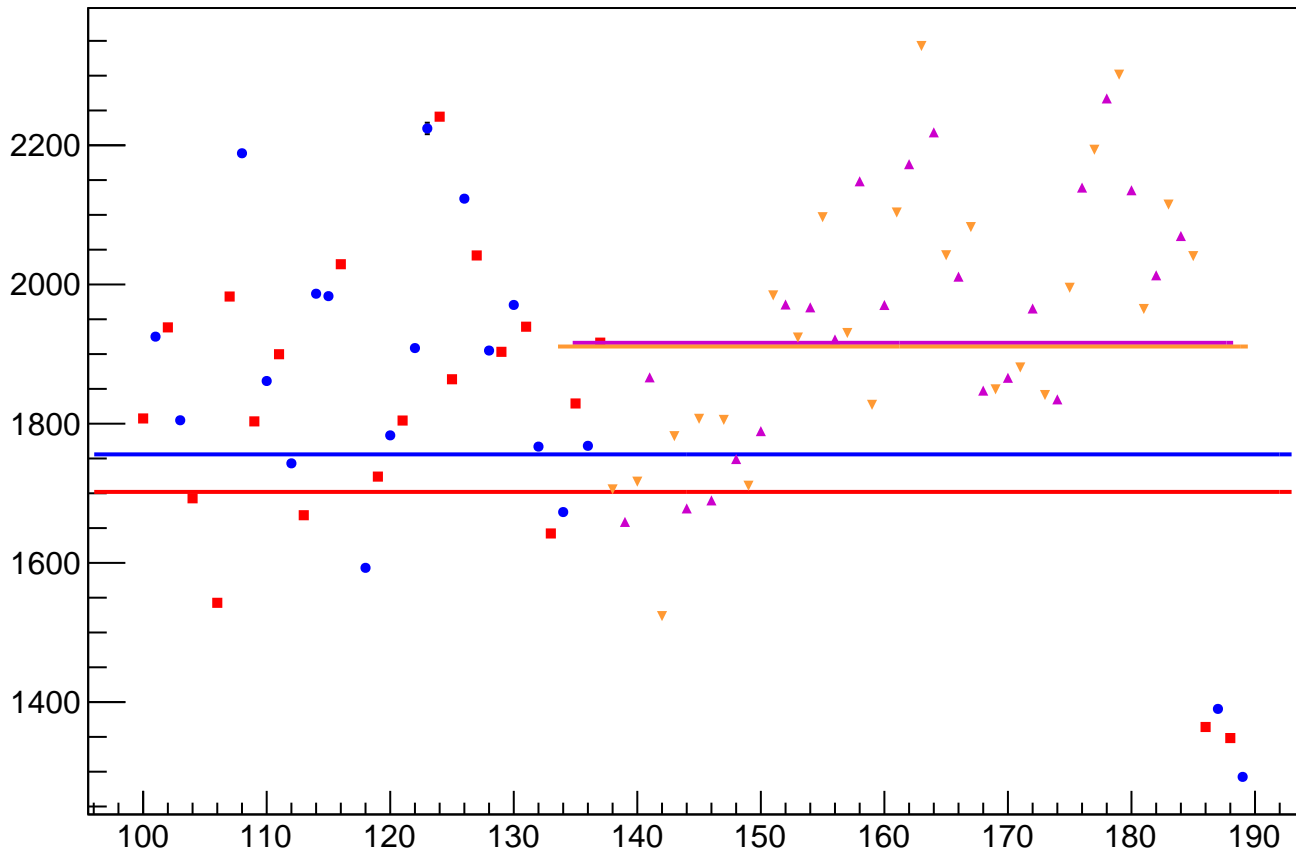
Left In: -3.960 \pm 0.463 χ^2 /NDF:464.9/22

+ sign 14.156 \pm 0.369 χ^2 /NDF: 387.6/43

All: 5.998 \pm 0.260 χ^2 /NDF: 2057.6/87

- sign -1.971 \pm 0.365 χ^2 /NDF: 705.5/43

diff_bpm0i01aY_rms vs Slug



Right In: 1755.899 \pm 0.463 χ^2 /NDF: 253731.3/18

Left Out: 1910.859 \pm 0.316 χ^2 /NDF: 328970.6/24

Right Out: 1701.984 \pm 0.420 χ^2 /NDF: 312560.0/20

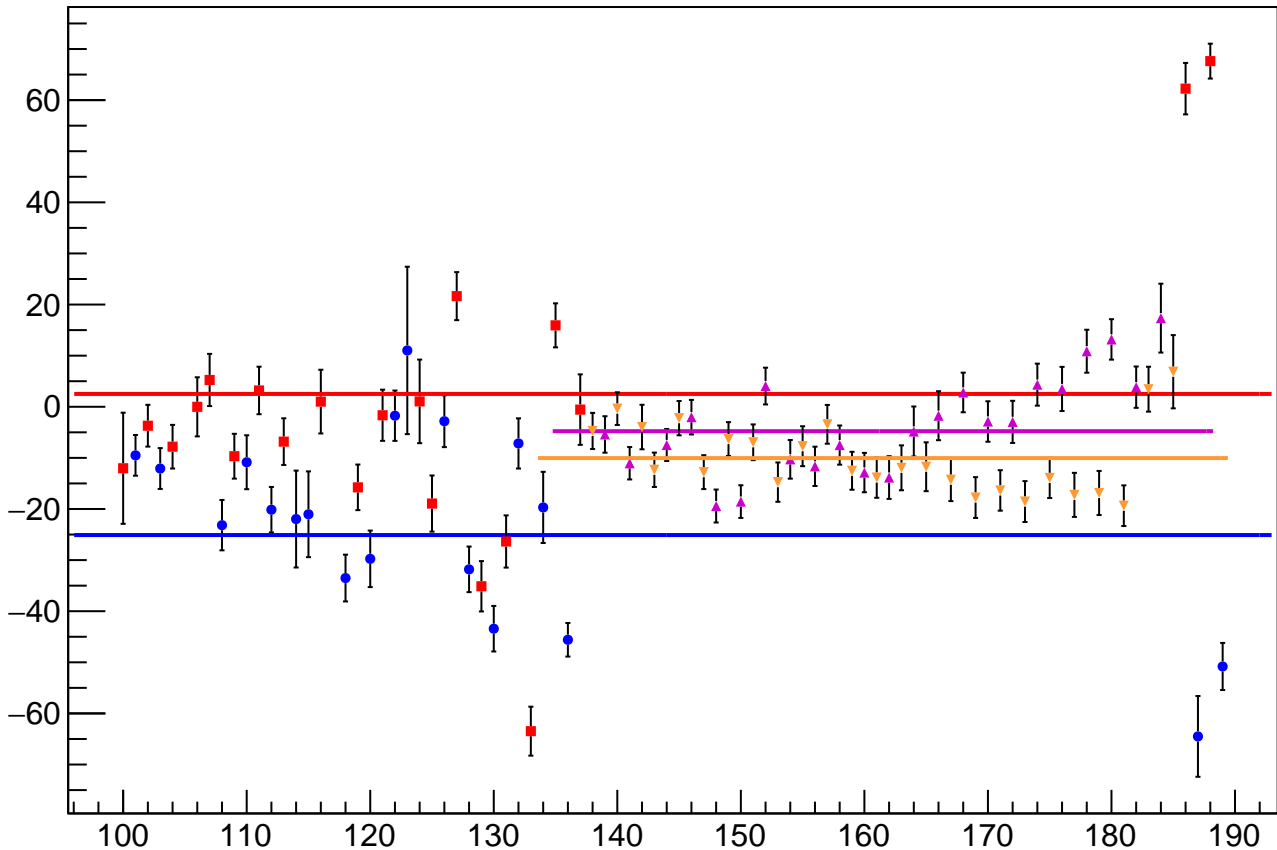
Left In: 1916.159 \pm 0.327 χ^2 /NDF: 274285.3/22

+ sign 1861.487 \pm 0.261 χ^2 /NDF: 659142.3/43

All: 1848.196 \pm 0.184 χ^2 /NDF: 1412978.9/87

- sign 1835.211 \pm 0.258 χ^2 /NDF: 748715.6/43

diff_bpm0l01X_mean vs Slug



Right In: -25.101 ± 1.146 χ^2/NDF : 213.7/18

Left Out: -10.042 ± 0.776 χ^2/NDF : 67.1/24

Right Out: 2.512 ± 1.072 χ^2/NDF : 866.5/20

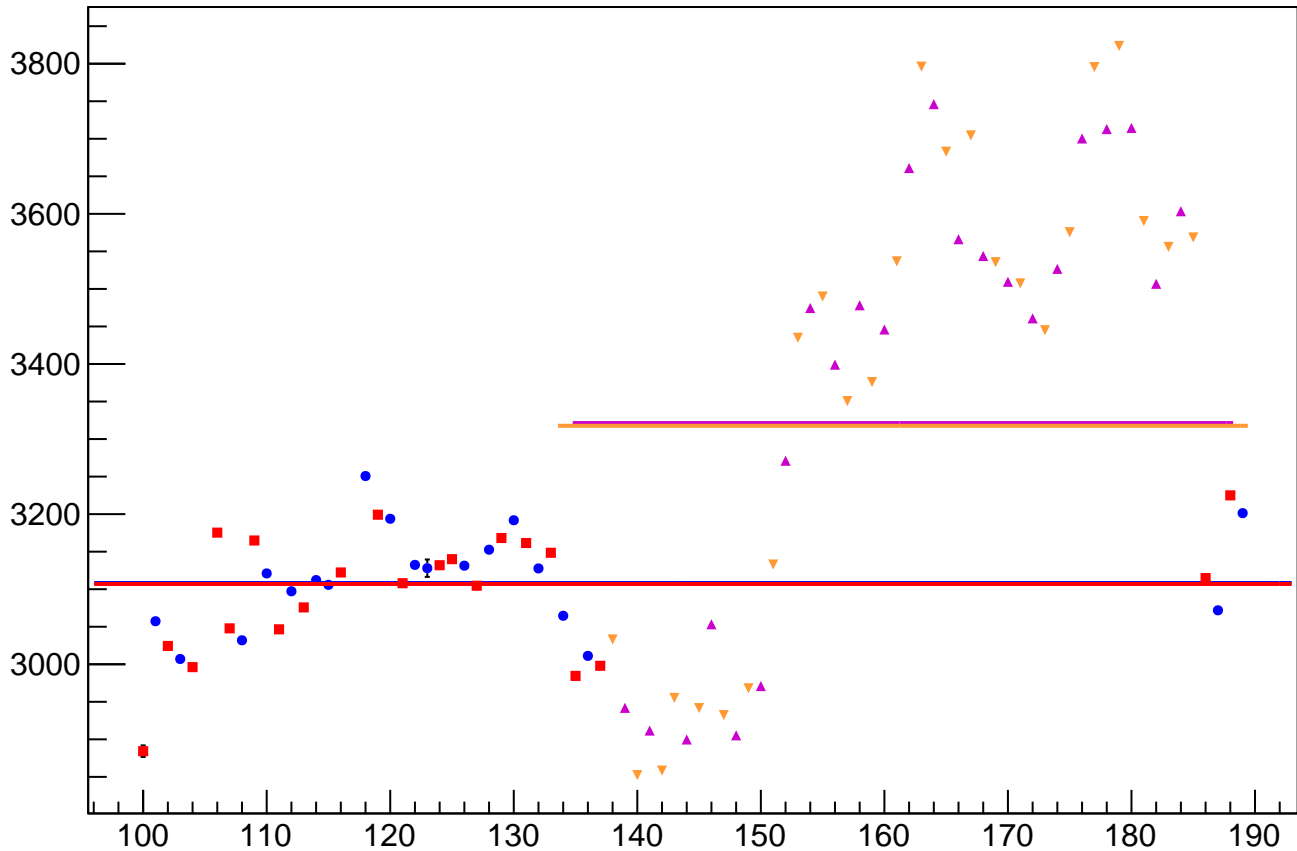
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -14.778 ± 0.643 χ^2/NDF : 399.2/43

All: -8.458 ± 0.454 χ^2/NDF : 1616.8/87

- sign -2.165 ± 0.641 χ^2/NDF : 1024.6/43

diff_bpm0l01X_rms vs Slug



Right In: 3108.192+/-0.810 χ^2 /NDF: 8238.1/18

Left Out: 3317.699+/-0.549 χ^2 /NDF:336877.2/24

Right Out: 3106.963+/-0.758 χ^2 /NDF: 10490.9/20

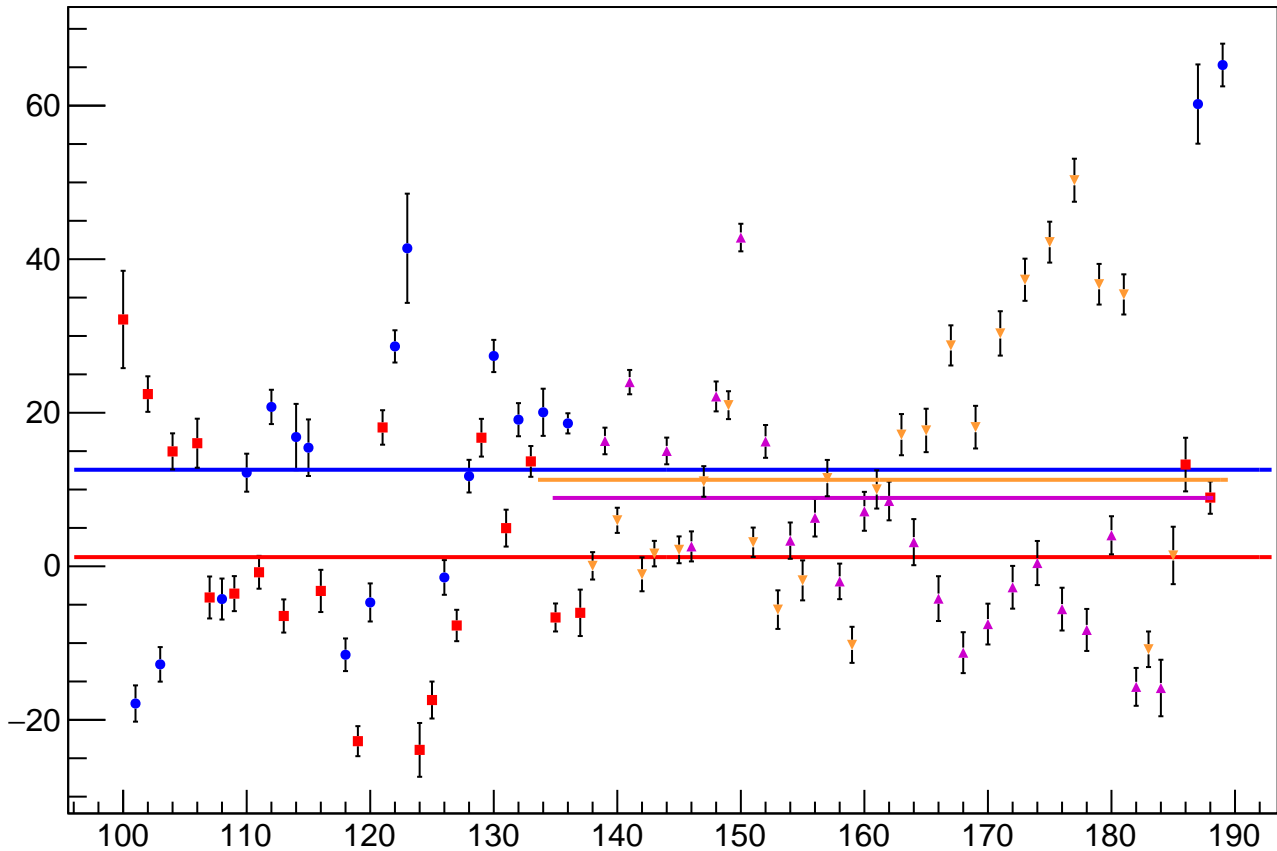
Left In: 3321.275+/-0.566 χ^2 /NDF:284334.2/22

+ sign 3251.804+/-0.455 χ^2 /NDF: 390926.5/43

All: 3248.166+/-0.321 χ^2 /NDF: 737207.4/87

- sign 3244.544+/-0.454 χ^2 /NDF: 346153.0/43

diff_bpm0l01Y_mean vs Slug



Right In: 12.577 \pm 0.546 χ^2 /NDF: 1169.6/18

Left Out: 11.268 \pm 0.454 χ^2 /NDF: 1141.8/24

Right Out: 1.197 \pm 0.524 χ^2 /NDF: 655.7/20

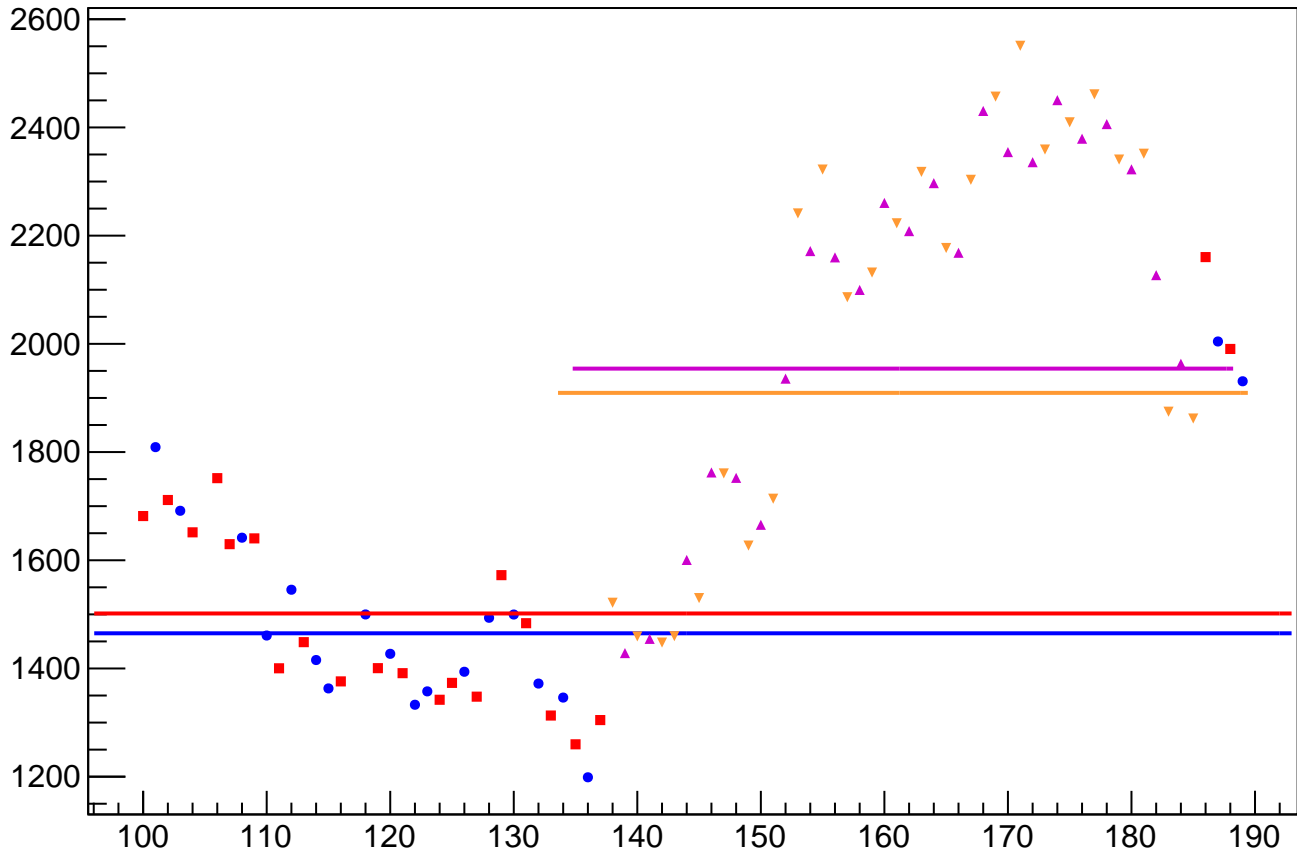
Left In: 8.905 \pm 0.478 χ^2 /NDF: 936.3/22

+ sign 11.803 \pm 0.349 χ^2 /NDF: 2314.8/43

All: 8.639 \pm 0.248 χ^2 /NDF: 4190.7/87

- sign 5.409 \pm 0.353 χ^2 /NDF: 1710.2/43

diff_bpm0l01Y_rms vs Slug



Right In: 1465.023+/-0.386 χ^2 /NDF: 254926.7/18

Left Out: 1909.387+/-0.321 χ^2 /NDF:1398498.0/24

Right Out: 1501.662+/-0.371 χ^2 /NDF: 333265.6/20

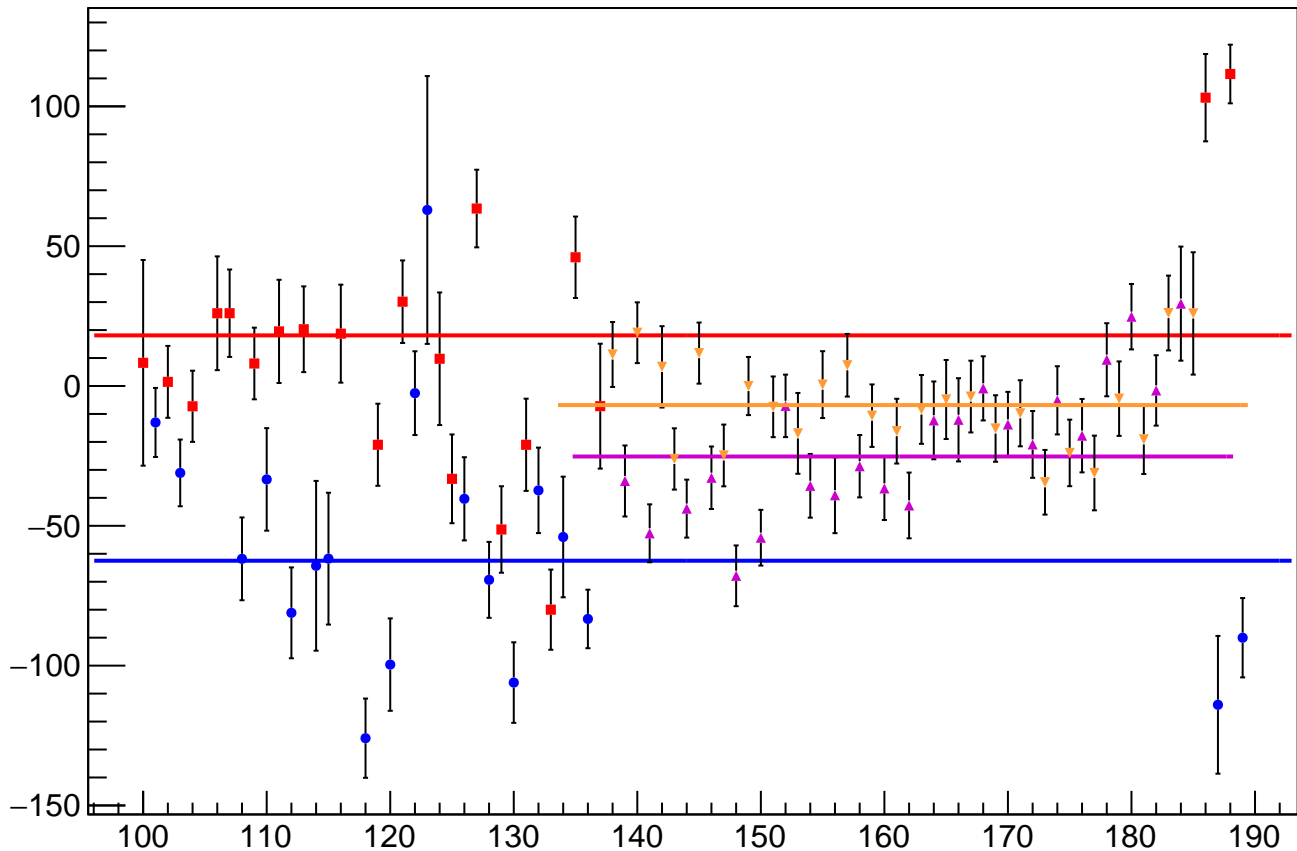
Left In: 1954.236+/-0.338 χ^2 /NDF:1044826.7/22

+ sign 1727.693+/-0.247 χ^2 /NDF: 2435600.9/43

All: 1738.227+/-0.176 χ^2 /NDF: 4632120.1/87

- sign 1748.983+/-0.250 χ^2 /NDF: 2192843.9/43

diff_bpm0l02X_mean vs Slug



Right In: -62.487 ± 3.574 $\chi^2/\text{NDF}: 101.4/18$

Left Out: -6.825 ± 2.423 $\chi^2/\text{NDF}: 42.3/24$

Right Out: 18.102 ± 3.355 $\chi^2/\text{NDF}: 222.4/20$

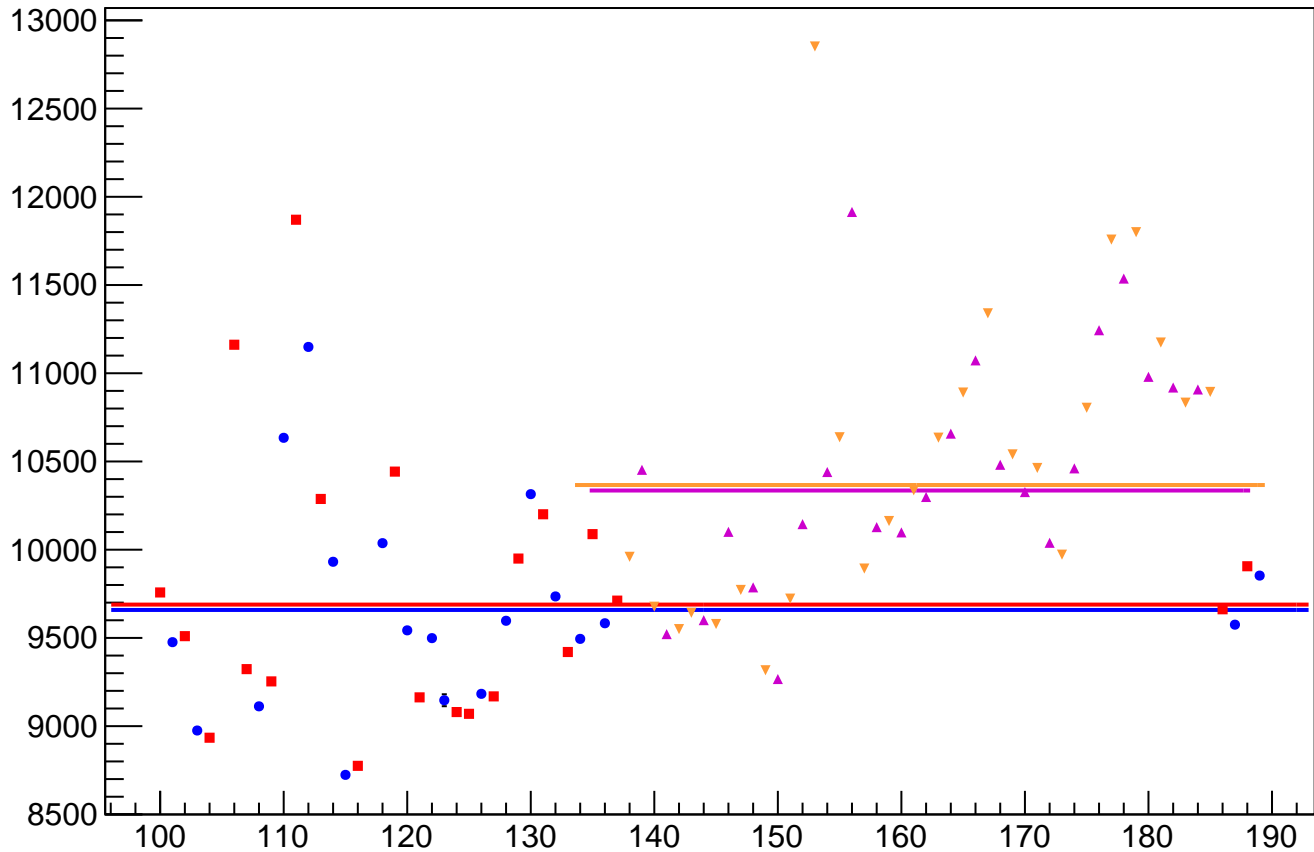
Left In: -25.215 ± 2.487 $\chi^2/\text{NDF}: 89.3/22$

+ sign -24.346 ± 2.005 $\chi^2/\text{NDF}: 309.9/43$

All: -17.076 ± 1.415 $\chi^2/\text{NDF}: 755.3/87$

- sign -9.860 ± 1.998 $\chi^2/\text{NDF}: 419.2/43$

diff_bpm0l02X_rms vs Slug



Right In: 9658.508 \pm 2.527 χ^2 /NDF: 44416.2/18

Left Out: 10366.534 \pm 1.713 χ^2 /NDF: 211402.8/24

Right Out: 9688.870 \pm 2.373 χ^2 /NDF: 78282.8/20

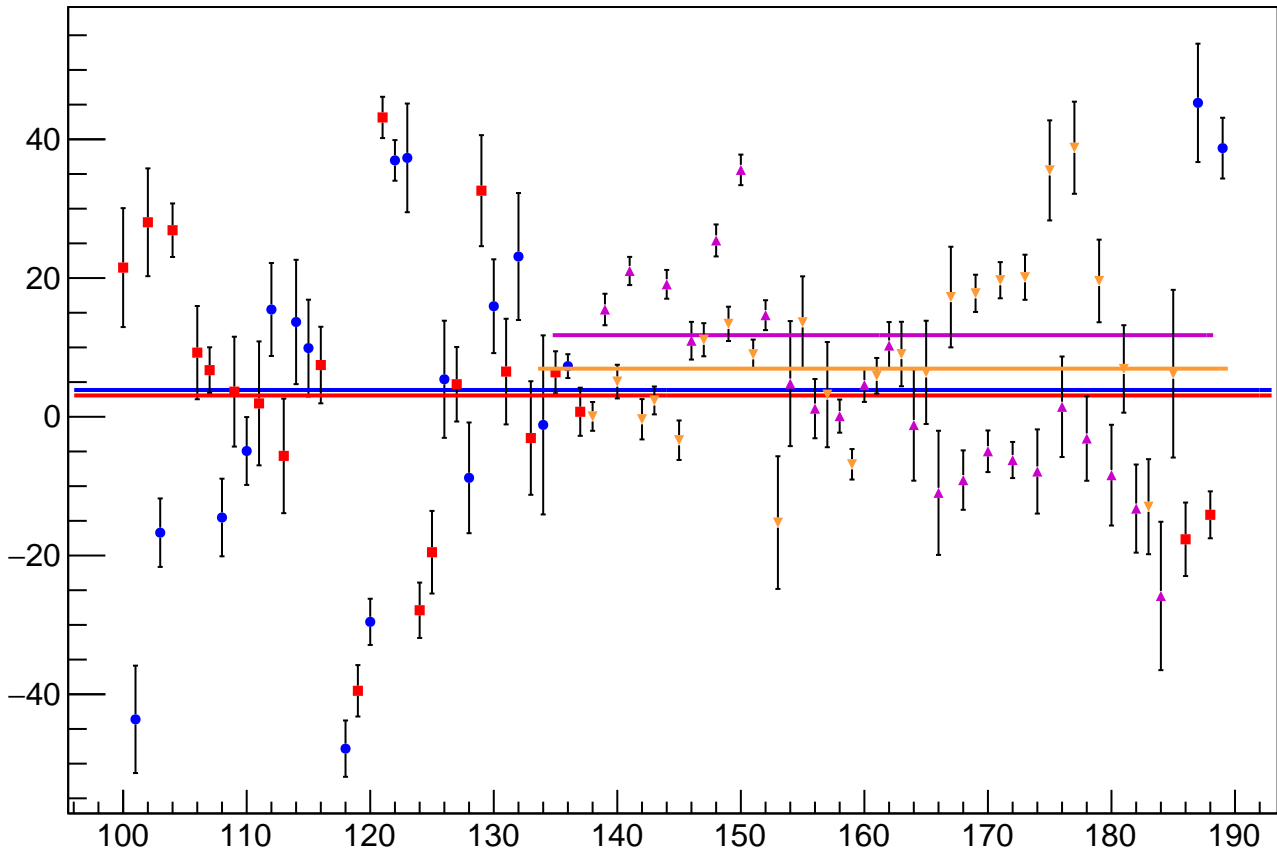
Left In: 10335.399 \pm 1.758 χ^2 /NDF: 127173.0/22

+ sign 10143.657 \pm 1.418 χ^2 /NDF: 309597.1/43

All: 10124.862 \pm 1.001 χ^2 /NDF: 563332.7/87

- sign 10106.208 \pm 1.413 χ^2 /NDF: 253385.6/43

diff_bpm0l02Y_mean vs Slug



Right In: 3.864 \pm 1.029 χ^2 /NDF: 584.0/18

Left Out: 6.939 \pm 0.639 χ^2 /NDF:203.8/24

Right Out: 3.075 \pm 1.020 χ^2 /NDF: 502.1/20

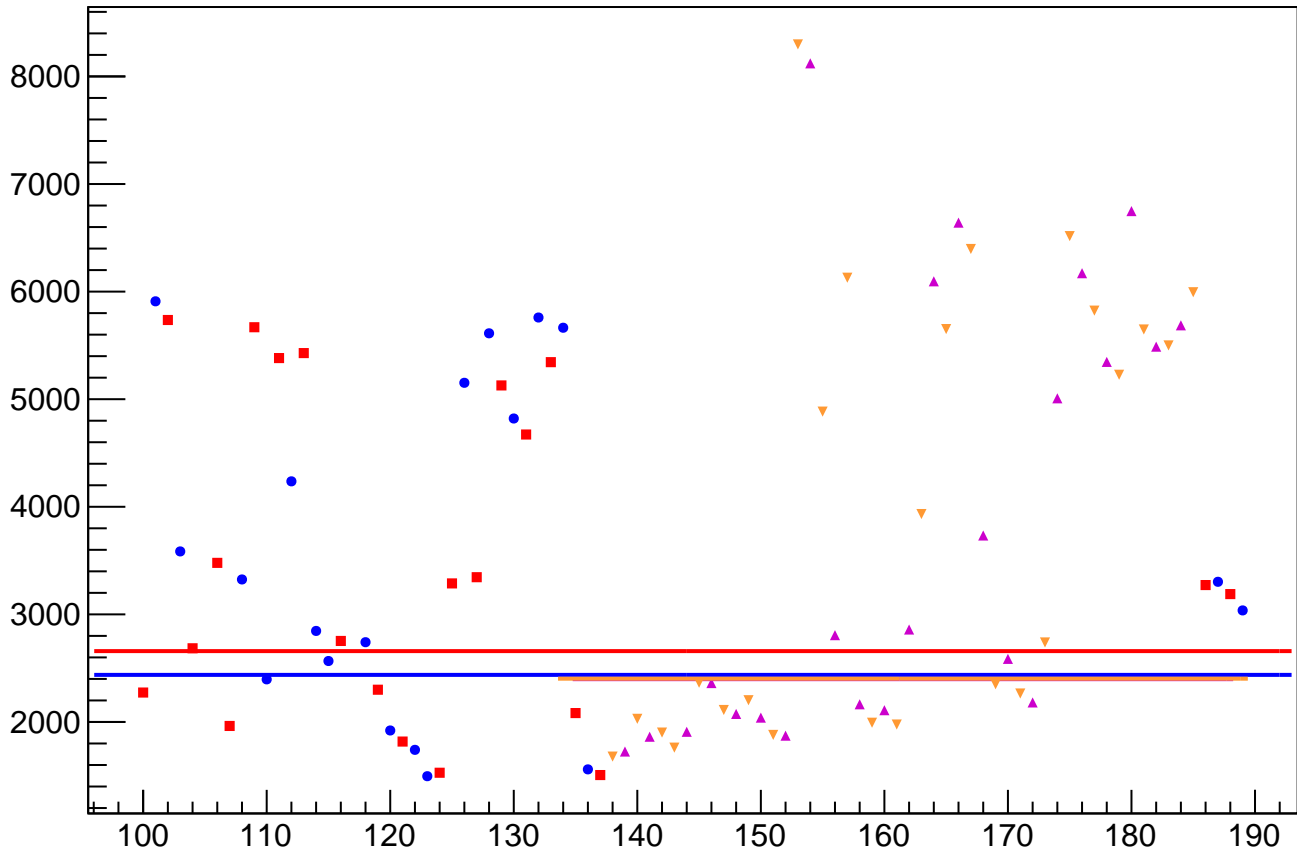
Left In: 11.766 \pm 0.648 χ^2 /NDF:395.1/22

+ sign 6.084 \pm 0.543 χ^2 /NDF: 794.3/43

All: 7.661 \pm 0.385 χ^2 /NDF: 1760.3/87

- sign 9.264 \pm 0.547 χ^2 /NDF: 949.0/43

diff_bpm0l02Y_rms vs Slug



Right In: 2437.634+/-0.728 χ^2/NDF : 2650912.7/18

Left Out: 2402.359+/-0.452 χ^2/NDF : 6345982.8/24

Right Out: 2658.597+/-0.721 χ^2/NDF : 2445752.2/20

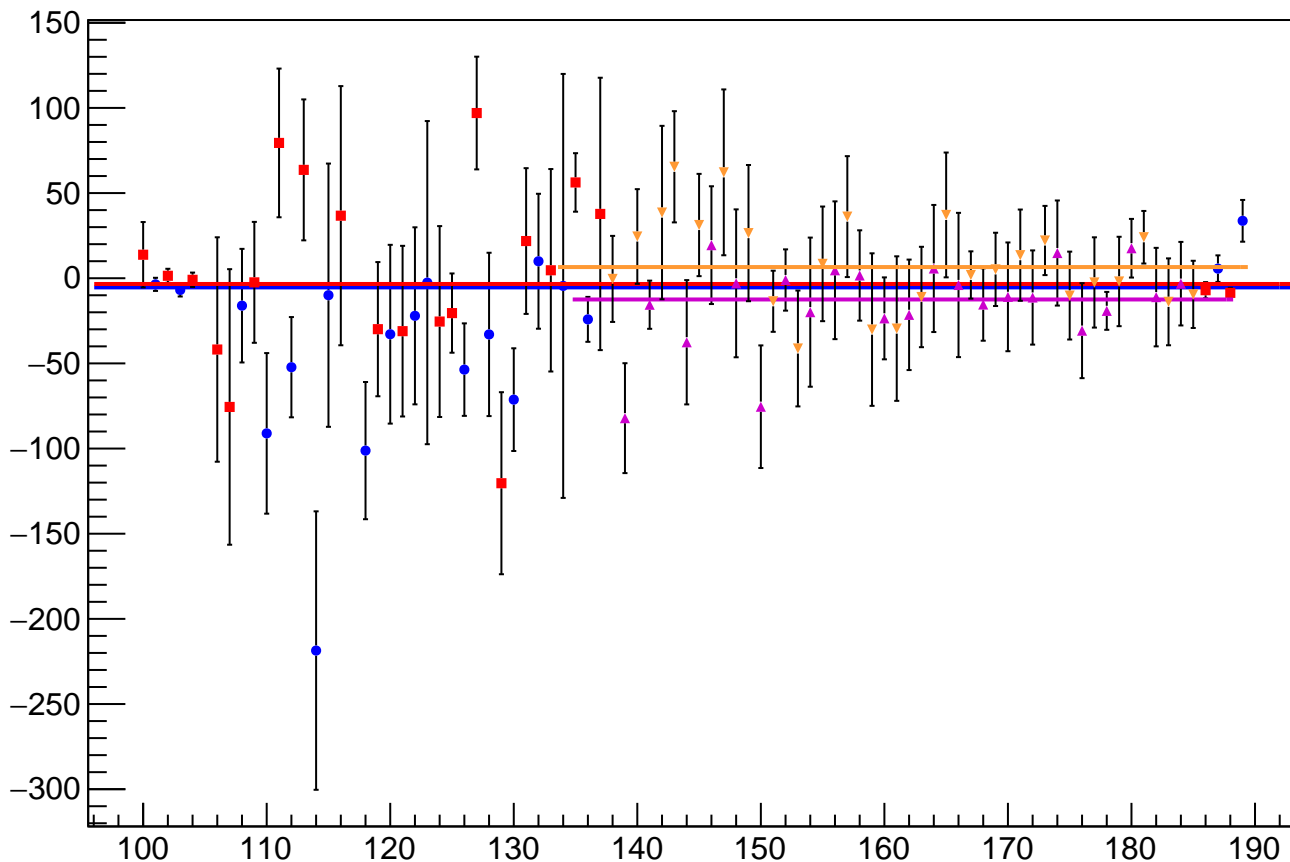
Left In: 2397.701+/-0.458 χ^2/NDF : 5398920.1/22

+ sign 2412.167+/-0.384 χ^2/NDF : 8998591.4/43

All: 2442.242+/-0.272 χ^2/NDF : 16948872.9/8

- sign 2472.806+/-0.387 χ^2/NDF : 7937899.1/43

diff_bpm0l03X_mean vs Slug



Right In: -5.381 ± 2.408 $\chi^2/\text{NDF}: 41.8/18$

Left Out: 6.560 ± 5.077 $\chi^2/\text{NDF}: 16.8/24$

Right Out: -3.372 ± 1.873 $\chi^2/\text{NDF}: 41.9/20$

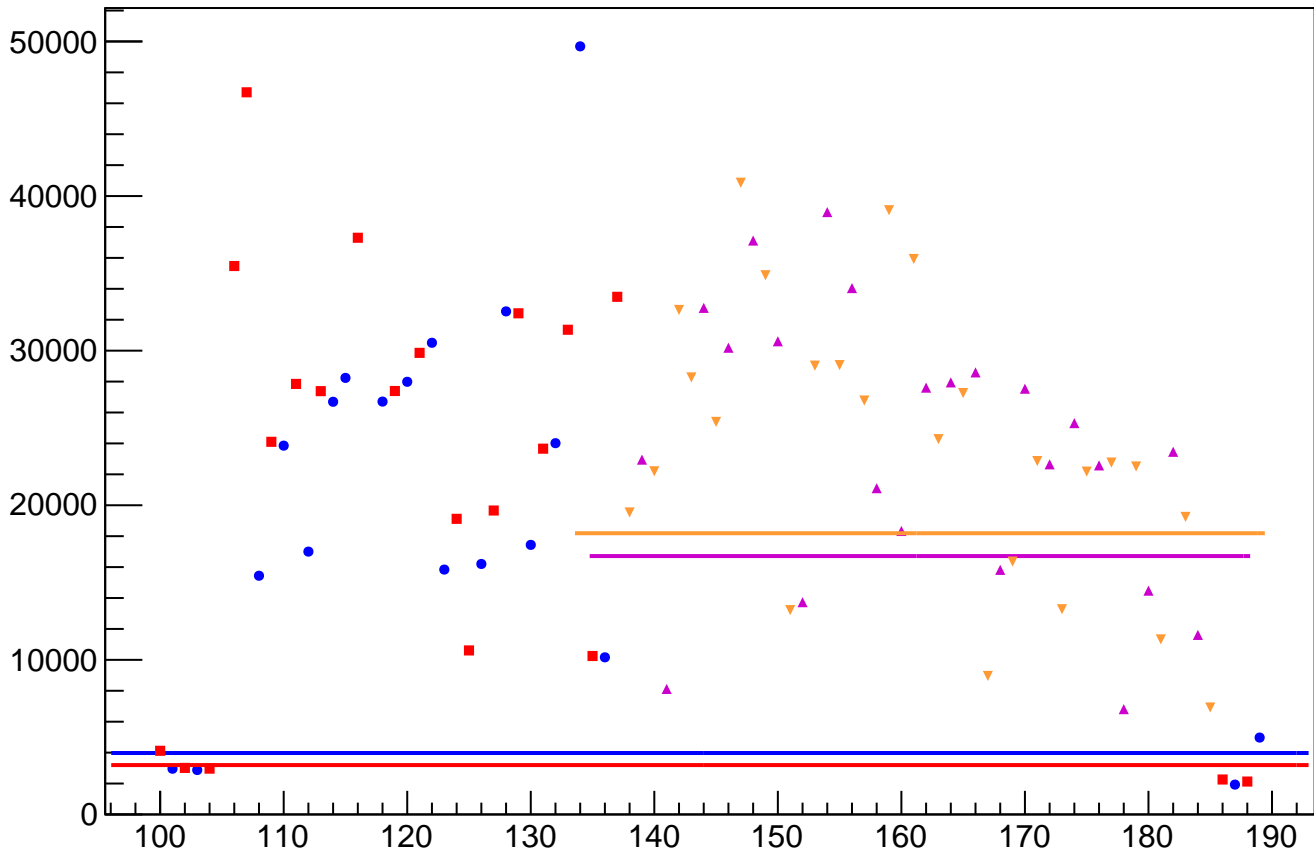
Left In: -12.469 ± 5.025 $\chi^2/\text{NDF}: 15.4/22$

+ sign -3.188 ± 2.176 $\chi^2/\text{NDF}: 63.0/43$

All: -3.972 ± 1.366 $\chi^2/\text{NDF}: 123.4/87$

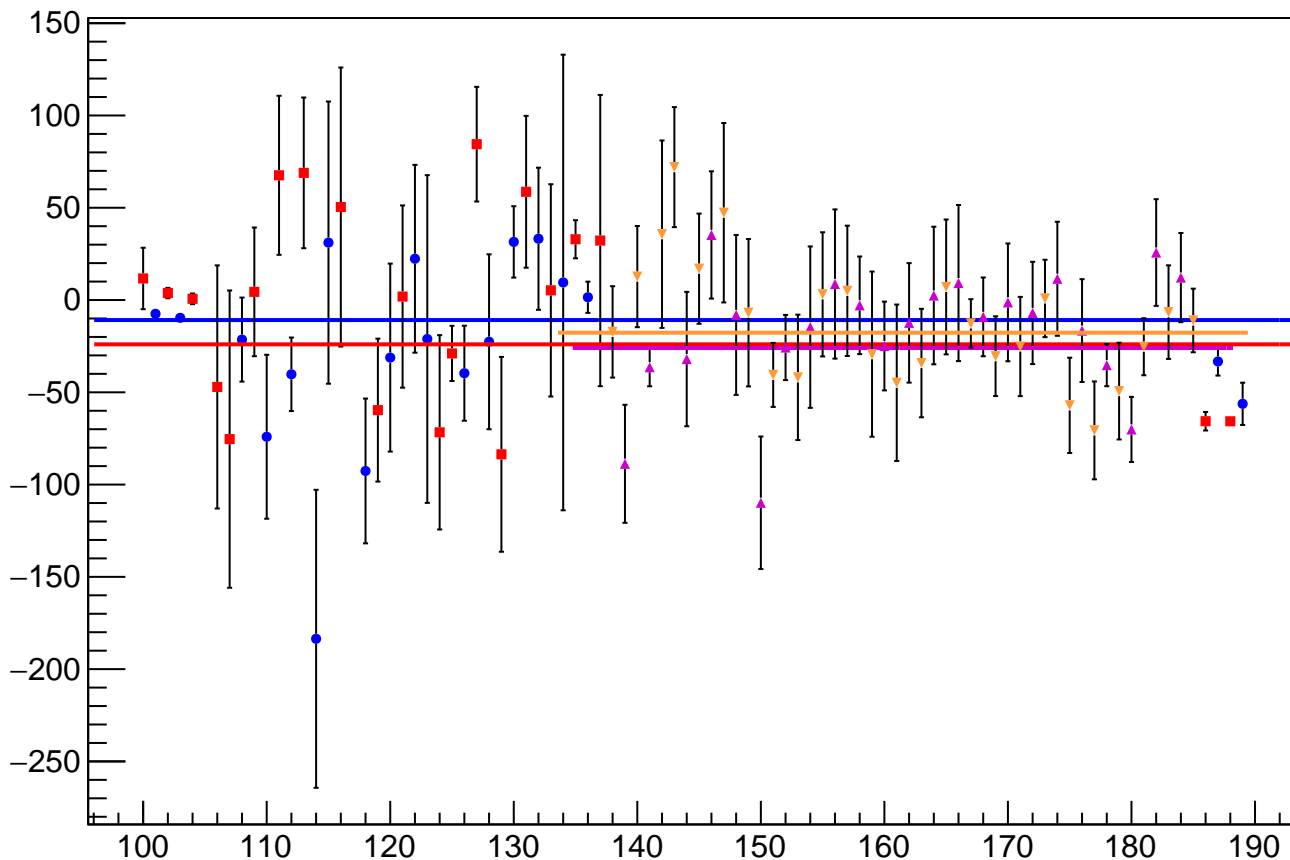
- sign -4.482 ± 1.755 $\chi^2/\text{NDF}: 60.2/43$

diff_bpm0l03X_rms vs Slug



Right In: 3974.971+/-1.703 χ^2 /NDF: 6135327.5/18
 Left Out: 18190.387+/-3.590 χ^2 /NDF:5261328.5/24 + sign 6585.770+/-1.539 χ^2 /NDF: 24194373.8/43
 Right Out: 3194.104+/-1.325 χ^2 /NDF: 8131835.3/20 All: 5530.398+/-0.966 χ^2 /NDF: 52006397.9/8
 Left In: 16713.653+/-3.553 χ^2 /NDF:6194178.8/22 - sign 4843.618+/-1.241 χ^2 /NDF: 27035383.8/43

diff_bpm0l03Y_mean vs Slug



Right In: -10.845 ± 1.712 $\chi^2/\text{NDF}: 50.0/18$

Left Out: -17.717 ± 4.974 $\chi^2/\text{NDF}: 27.2/24$

Right Out: -24.009 ± 1.495 $\chi^2/\text{NDF}: 545.5/20$

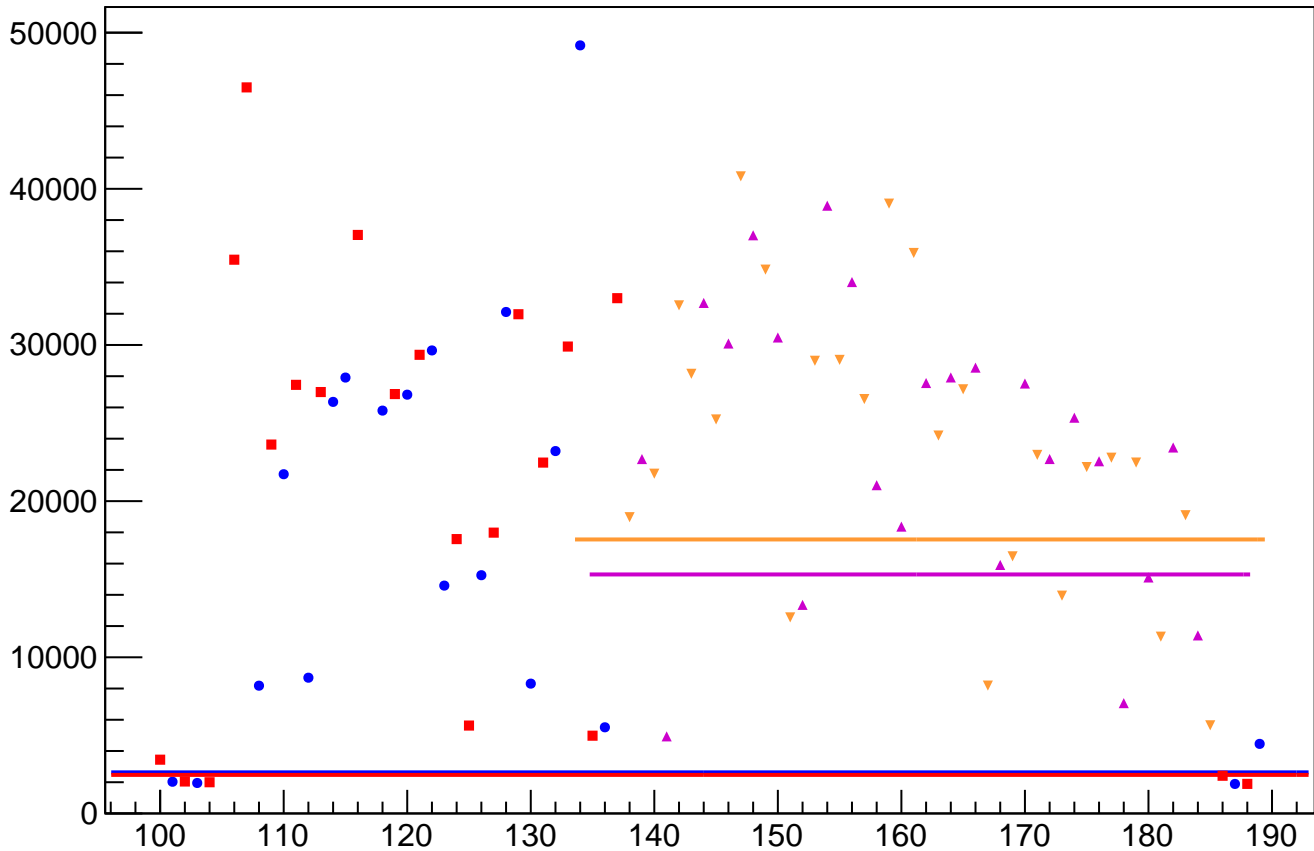
Left In: -25.991 ± 4.789 $\chi^2/\text{NDF}: 32.6/22$

+ sign -11.573 ± 1.619 $\chi^2/\text{NDF}: 78.9/43$

All: -18.672 ± 1.070 $\chi^2/\text{NDF}: 691.2/87$

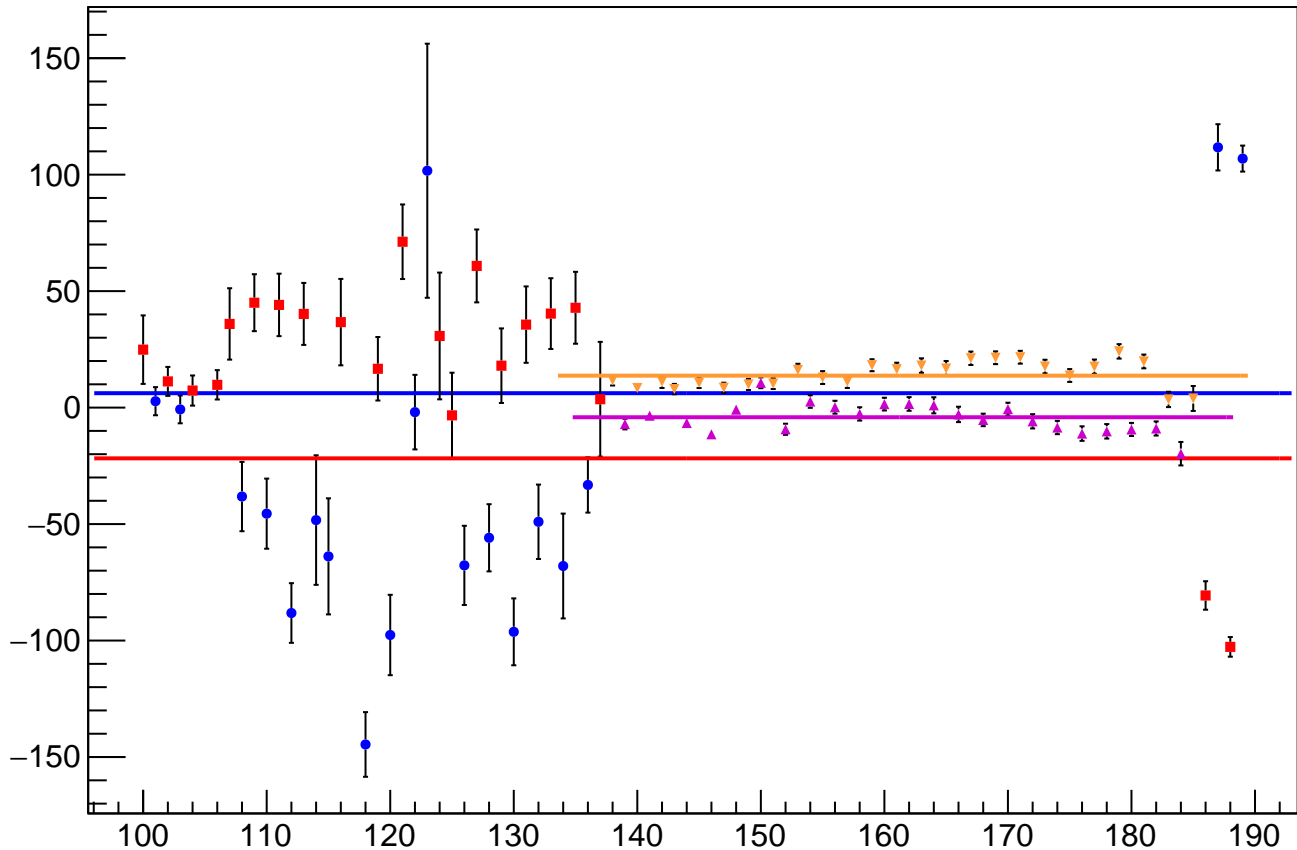
- sign -24.185 ± 1.427 $\chi^2/\text{NDF}: 578.2/43$

diff_bpm0l03Y_rms vs Slug



Right In: 2631.158+/-1.211 χ^2 /NDF: 5639498.5/18
 Left Out: 17546.173+/-3.517 χ^2 /NDF:5902620.4/24 + sign 4211.388+/-1.145 χ^2 /NDF: 27618500.0/43
 Right Out: 2470.160+/-1.057 χ^2 /NDF: 7953099.9/20 All: 3872.679+/-0.757 χ^2 /NDF: 56539756.6/8
 Left In: 15305.311+/-3.386 χ^2 /NDF:7721177.0/22 - sign 3609.624+/-1.009 χ^2 /NDF: 28765754.7/43

diff_bpm0l04X_mean vs Slug



Right In: 6.185 ± 2.544 $\chi^2/\text{NDF}: 806.4/18$

Left Out: 13.710 ± 0.535 $\chi^2/\text{NDF}: 89.9/24$

Right Out: -21.788 ± 2.117 $\chi^2/\text{NDF}: 772.4/20$

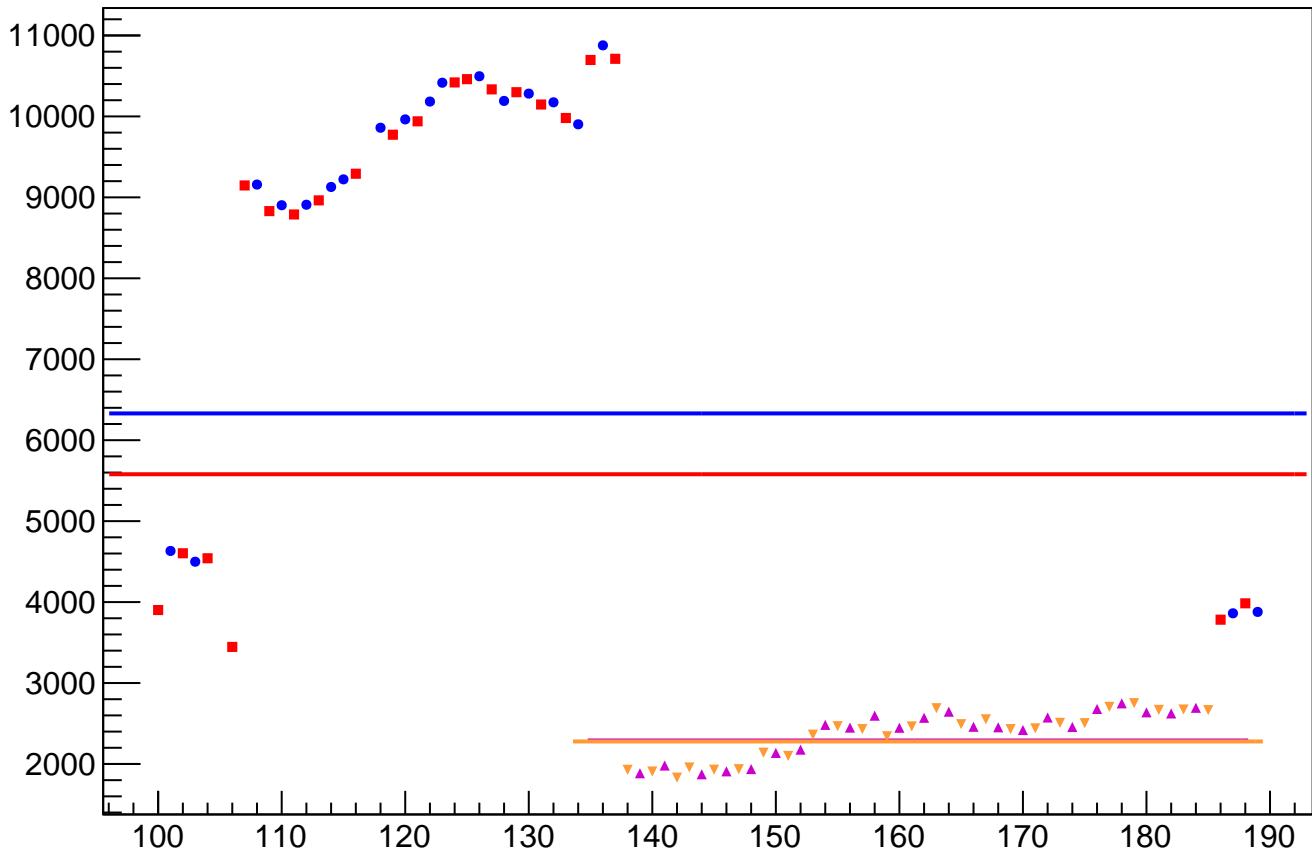
Left In: -4.141 ± 0.555 $\chi^2/\text{NDF}: 111.7/22$

+ sign 13.391 ± 0.524 $\chi^2/\text{NDF}: 904.6/43$

All: 4.285 ± 0.375 $\chi^2/\text{NDF}: 2473.2/87$

- sign -5.275 ± 0.537 $\chi^2/\text{NDF}: 949.1/43$

diff_bpm0l04X_rms vs Slug



Right In: 6330.761+/-1.799 χ^2 /NDF: 2334082.2/18

Left Out: 2278.115+/-0.378 χ^2 /NDF:607109.4/24

+ sign 2449.869+/-0.370 χ^2 /NDF: 7800353.5/43

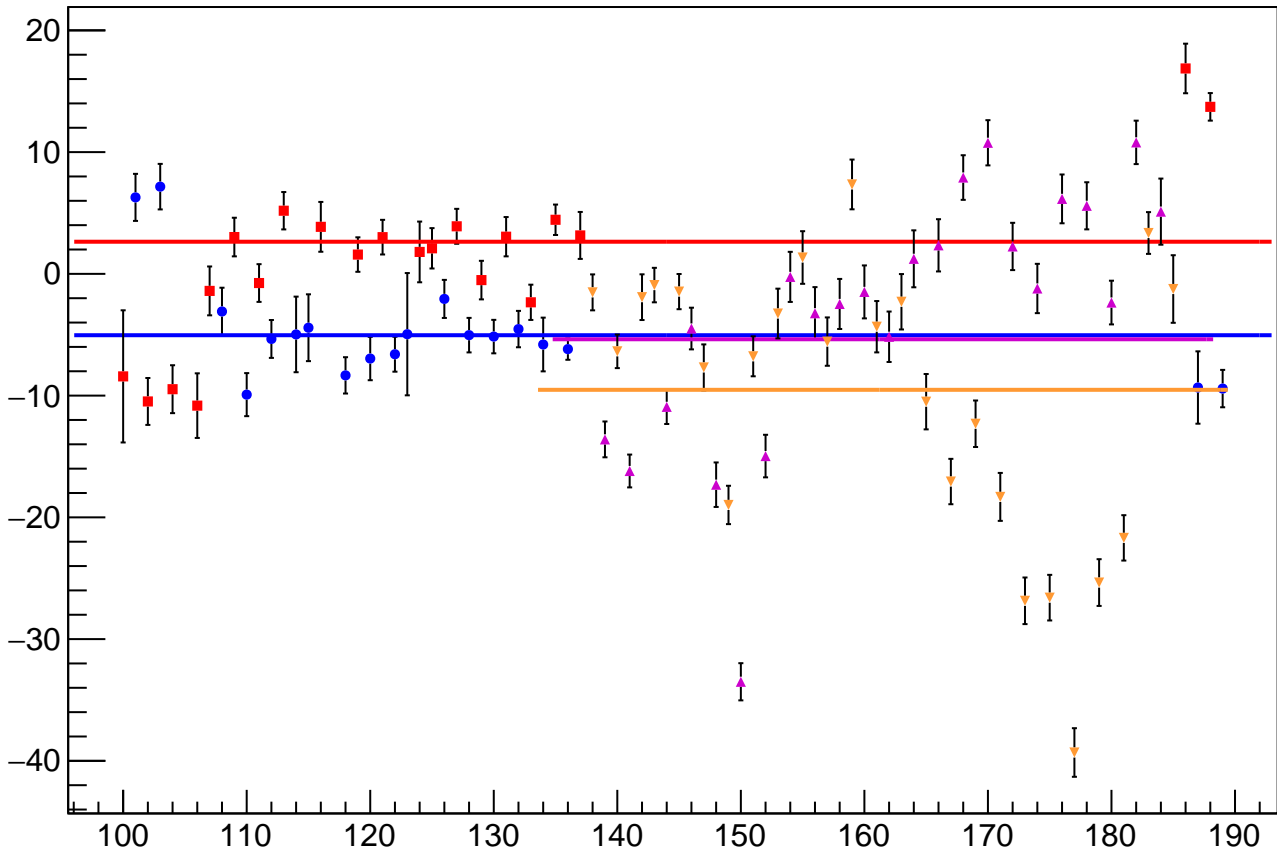
Right Out: 5579.325+/-1.497 χ^2 /NDF: 2920566.8/20

All: 2475.199+/-0.265 χ^2 /NDF: 15836899.0/8

Left In: 2290.461+/-0.392 χ^2 /NDF:590272.1/22

- sign 2501.792+/-0.379 χ^2 /NDF: 8026957.6/43

diff_bpm0l04Y_mean vs Slug



Right In: -5.039 ± 0.378 $\chi^2/\text{NDF}: 108.7/18$

Left Out: -9.524 ± 0.365 $\chi^2/\text{NDF}: 884.1/24$

Right Out: 2.640 ± 0.362 $\chi^2/\text{NDF}: 290.4/20$

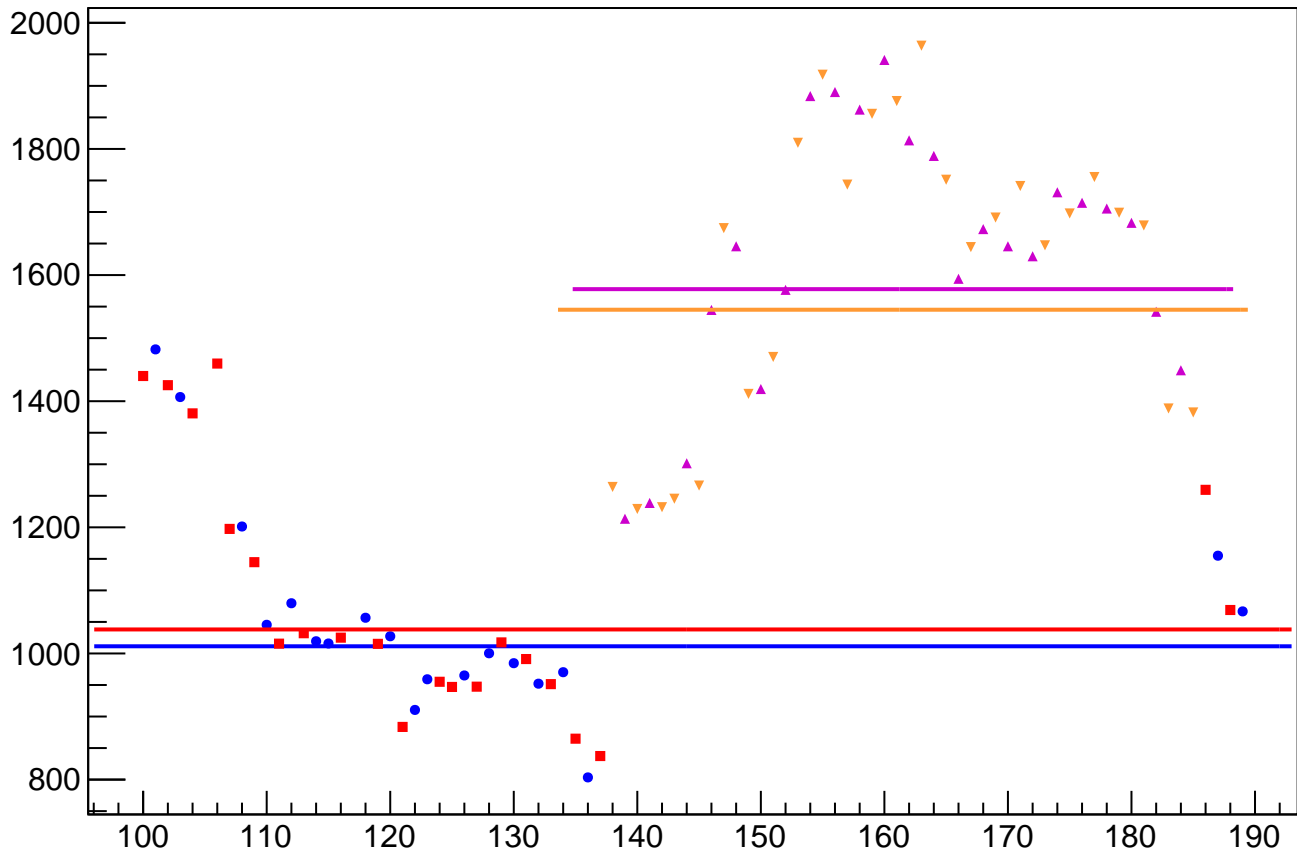
Left In: -5.372 ± 0.383 $\chi^2/\text{NDF}: 869.8/22$

+ sign -7.361 ± 0.262 $\chi^2/\text{NDF}: 1065.7/43$

All: -4.261 ± 0.186 $\chi^2/\text{NDF}: 2736.7/87$

- sign -1.144 ± 0.263 $\chi^2/\text{NDF}: 1391.2/43$

diff_bpm0l04Y_rms vs Slug



Right In: 1011.381 \pm 0.267 χ^2 /NDF: 369690.6/18

Left Out: 1545.053 \pm 0.258 χ^2 /NDF: 842722.3/24

Right Out: 1038.073 \pm 0.256 χ^2 /NDF: 359900.5/20

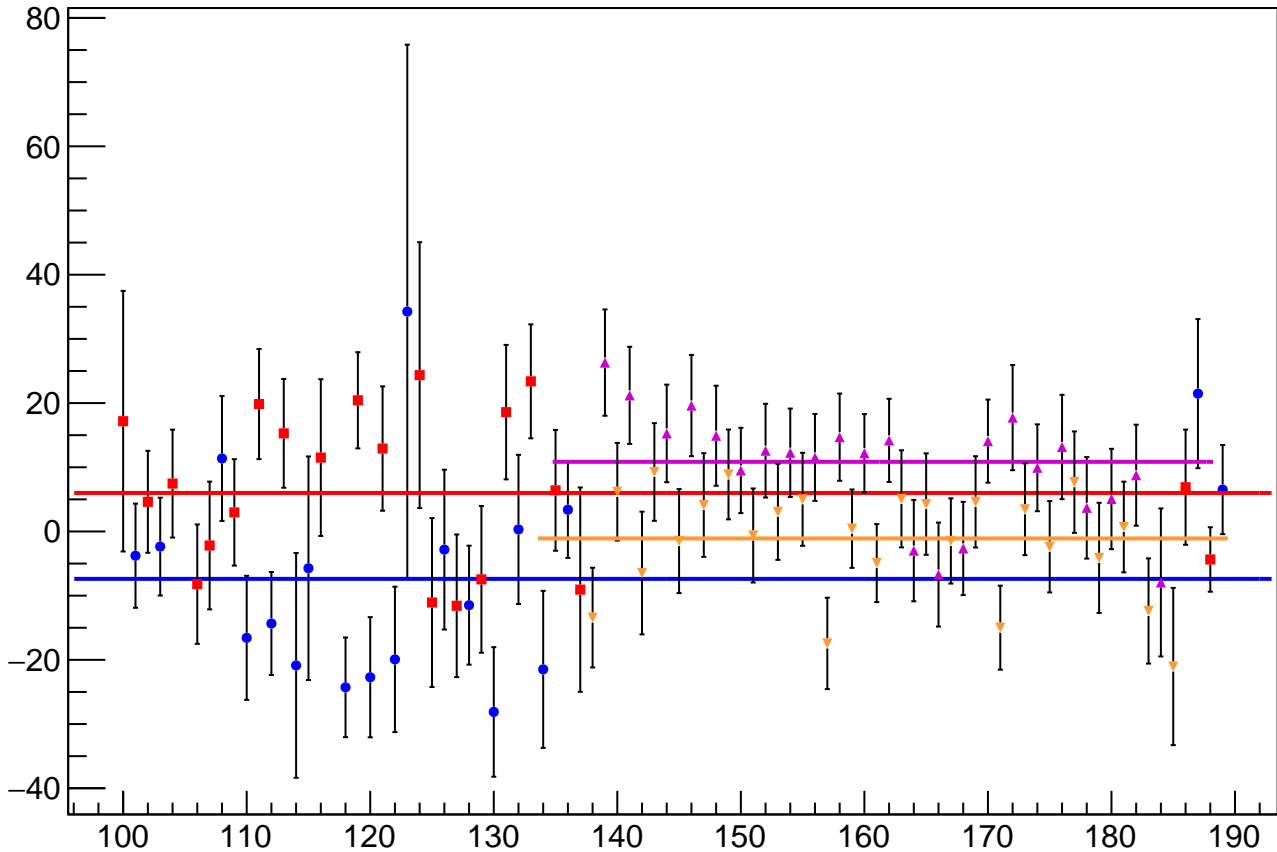
Left In: 1577.685 \pm 0.271 χ^2 /NDF: 625406.2/22

+ sign 1287.675 \pm 0.186 χ^2 /NDF: 3276959.7/43

All: 1290.284 \pm 0.131 χ^2 /NDF: 6358922.1/87

- sign 1292.906 \pm 0.186 χ^2 /NDF: 3081566.3/43

diff_bpm0l05X_mean vs Slug



Right In: -7.384 ± 2.236 $\chi^2/\text{NDF}: 34.8/18$

Left Out: -1.083 ± 1.487 $\chi^2/\text{NDF}: 27.5/24$

Right Out: 6.000 ± 2.023 $\chi^2/\text{NDF}: 28.5/20$

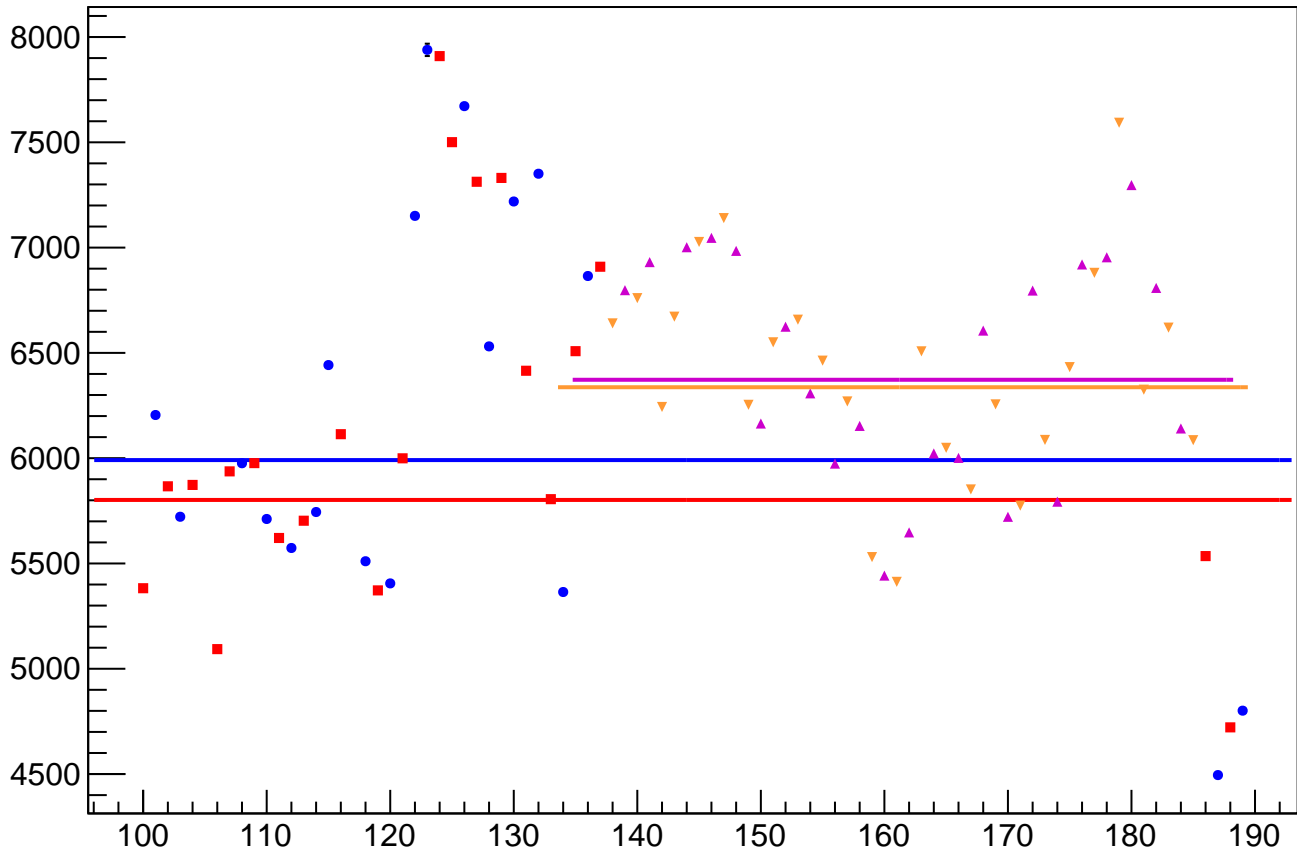
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

+ sign -3.016 ± 1.238 $\chi^2/\text{NDF}: 67.8/43$

All: 3.086 ± 0.871 $\chi^2/\text{NDF}: 172.5/87$

- sign 9.069 ± 1.226 $\chi^2/\text{NDF}: 56.5/43$

diff_bpm0l05X_rms vs Slug



Right In: 5990.955+/-1.581 χ^2 /NDF: 278024.9/18

Left Out: 6336.876+/-1.052 χ^2 /NDF:222912.5/24

Right Out: 5801.677+/-1.431 χ^2 /NDF: 272771.3/20

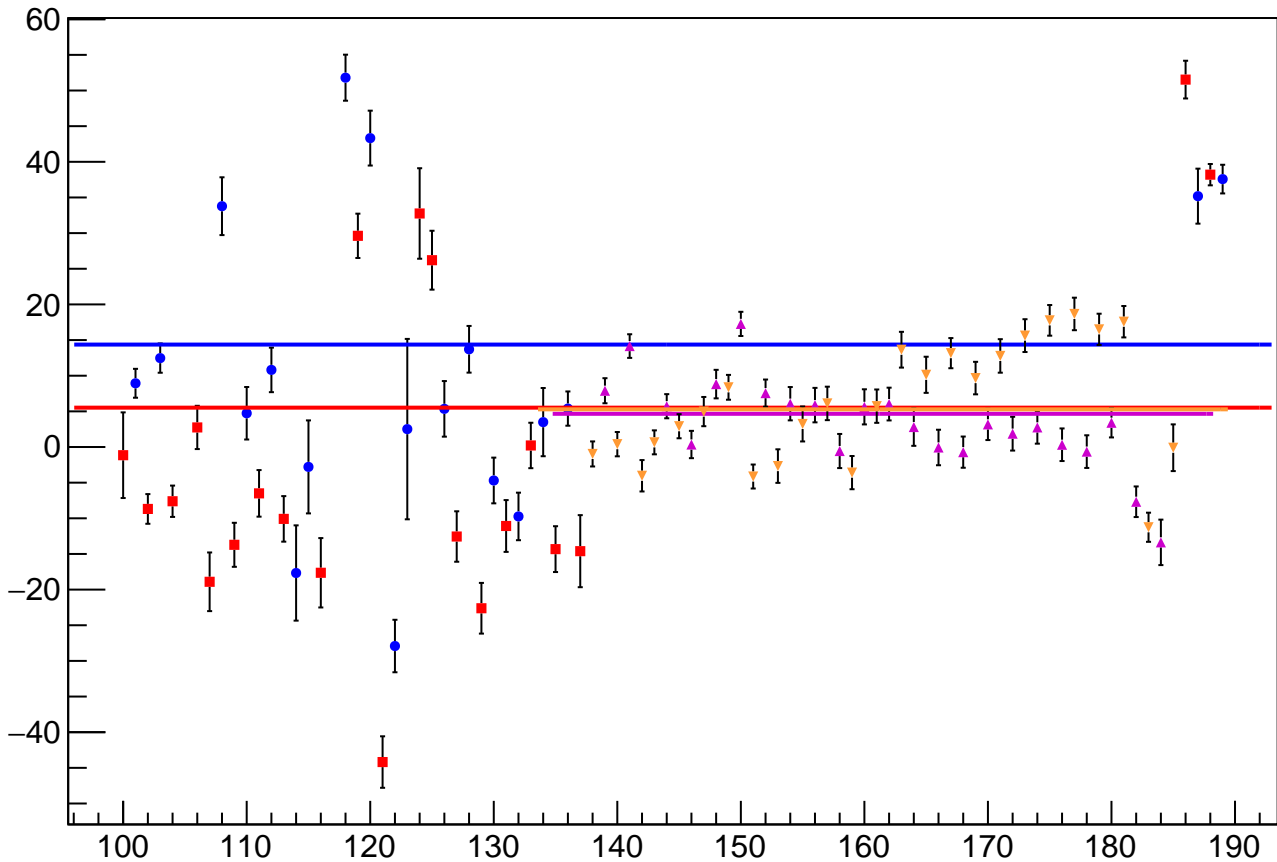
Left In: 6372.349+/-1.090 χ^2 /NDF:247257.0/22

+ sign 6230.772+/-0.876 χ^2 /NDF: 534128.9/43

All: 6196.408+/-0.616 χ^2 /NDF: 1157884.3/87

- sign 6162.709+/-0.867 χ^2 /NDF: 620704.5/43

diff_bpm0l05Y_mean vs Slug



Right In: 14.367 \pm 0.728 χ^2 /NDF: 667.5/18

Left Out: 5.284 \pm 0.421 χ^2 /NDF: 366.1/24

Right Out: 5.520 \pm 0.660 χ^2 /NDF: 1457.2/20

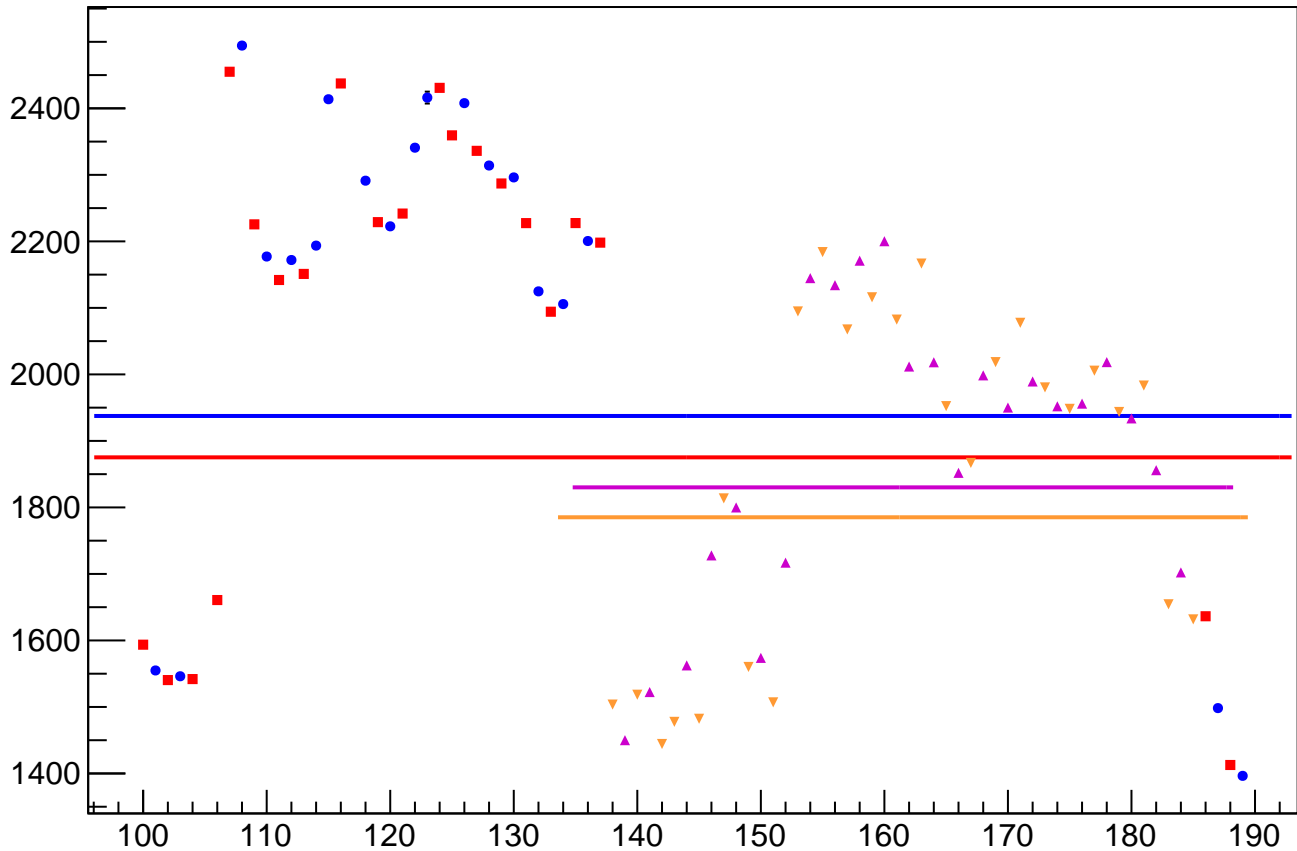
Left In: 4.657 \pm 0.443 χ^2 /NDF: 196.5/22

+ sign 7.556 \pm 0.364 χ^2 /NDF: 1150.2/43

All: 6.254 \pm 0.259 χ^2 /NDF: 2830.9/87

- sign 4.925 \pm 0.368 χ^2 /NDF: 1654.9/43

diff_bpm0l05Y_rms vs Slug



Right In: 1937.495 \pm 0.515 χ^2 /NDF: 561033.5/18

Left Out: 1785.179 \pm 0.297 χ^2 /NDF: 750628.1/24

Right Out: 1875.274 \pm 0.467 χ^2 /NDF: 650452.2/20

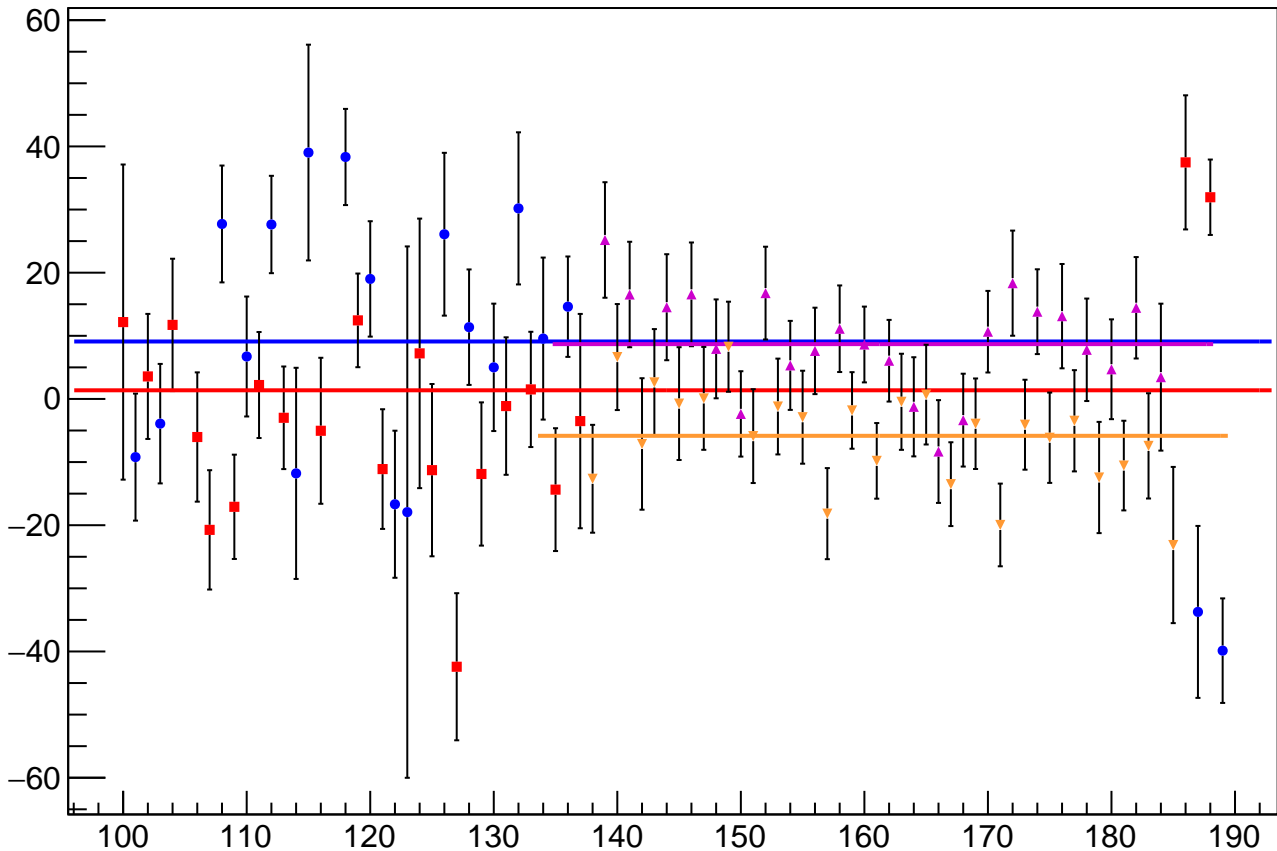
Left In: 1830.160 \pm 0.313 χ^2 /NDF: 508391.9/22

+ sign 1823.282 \pm 0.258 χ^2 /NDF: 1377249.1/43

All: 1833.625 \pm 0.183 χ^2 /NDF: 2545788.0/87

- sign 1844.182 \pm 0.260 χ^2 /NDF: 1165281.2/43

diff_bpm0l06X_mean vs Slug



Right In: 9.102 ± 2.348 $\chi^2/\text{NDF}: 91.3/18$

Left Out: -5.840 ± 1.518 $\chi^2/\text{NDF}: 23.3/24$

Right Out: 1.369 ± 2.149 $\chi^2/\text{NDF}: 73.7/20$

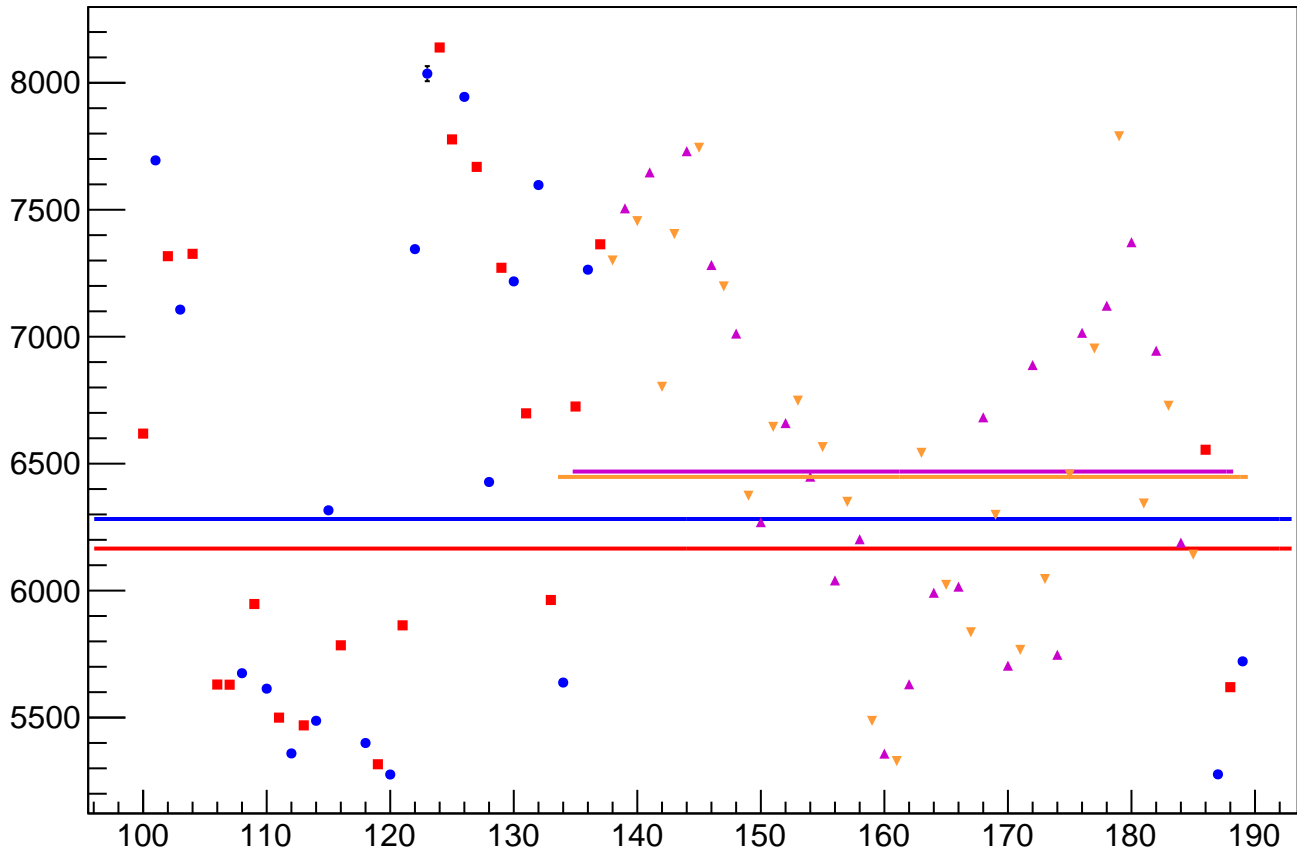
Left In: 8.683 ± 1.571 $\chi^2/\text{NDF}: 21.9/22$

+ sign -1.436 ± 1.275 $\chi^2/\text{NDF}: 143.2/43$

All: 2.371 ± 0.899 $\chi^2/\text{NDF}: 264.1/87$

- sign 6.137 ± 1.268 $\chi^2/\text{NDF}: 103.2/43$

diff_bpm0l06X_rms vs Slug



Right In: 6282.038 \pm 1.661 χ^2 /NDF: 307937.7/18

Left Out: 6447.712 \pm 1.074 χ^2 /NDF: 371671.1/24

Right Out: 6165.623 \pm 1.520 χ^2 /NDF: 262274.9/20

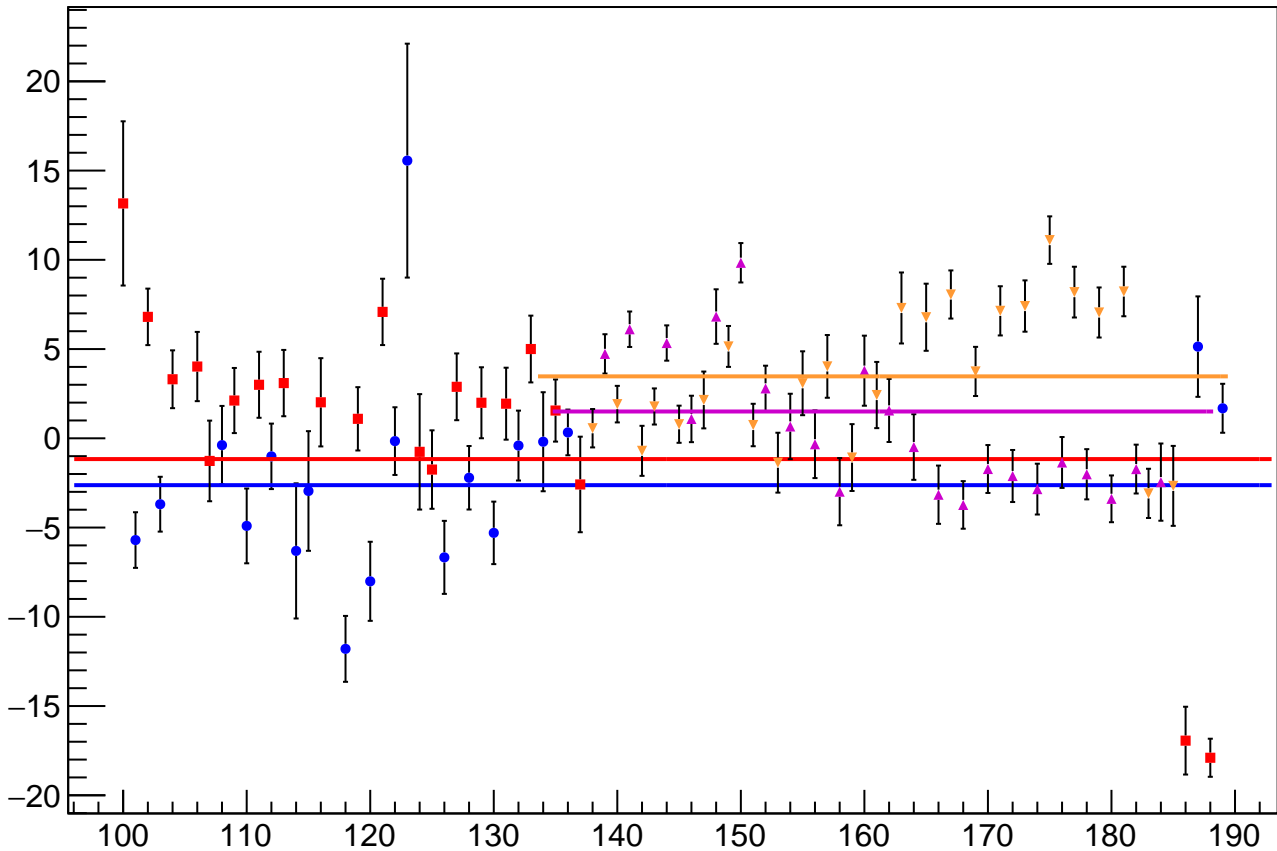
Left In: 6468.902 \pm 1.111 χ^2 /NDF: 383325.4/22

+ sign 6398.877 \pm 0.902 χ^2 /NDF: 686628.3/43

All: 6381.007 \pm 0.636 χ^2 /NDF: 1358969.8/87

- sign 6363.331 \pm 0.897 χ^2 /NDF: 671560.1/43

diff_bpm0l06Y_mean vs Slug



Right In: -2.625 ± 0.444 χ^2/NDF : 79.5/18

Left Out: 3.470 ± 0.276 χ^2/NDF : 176.0/24

Right Out: -1.164 ± 0.410 χ^2/NDF : 424.6/20

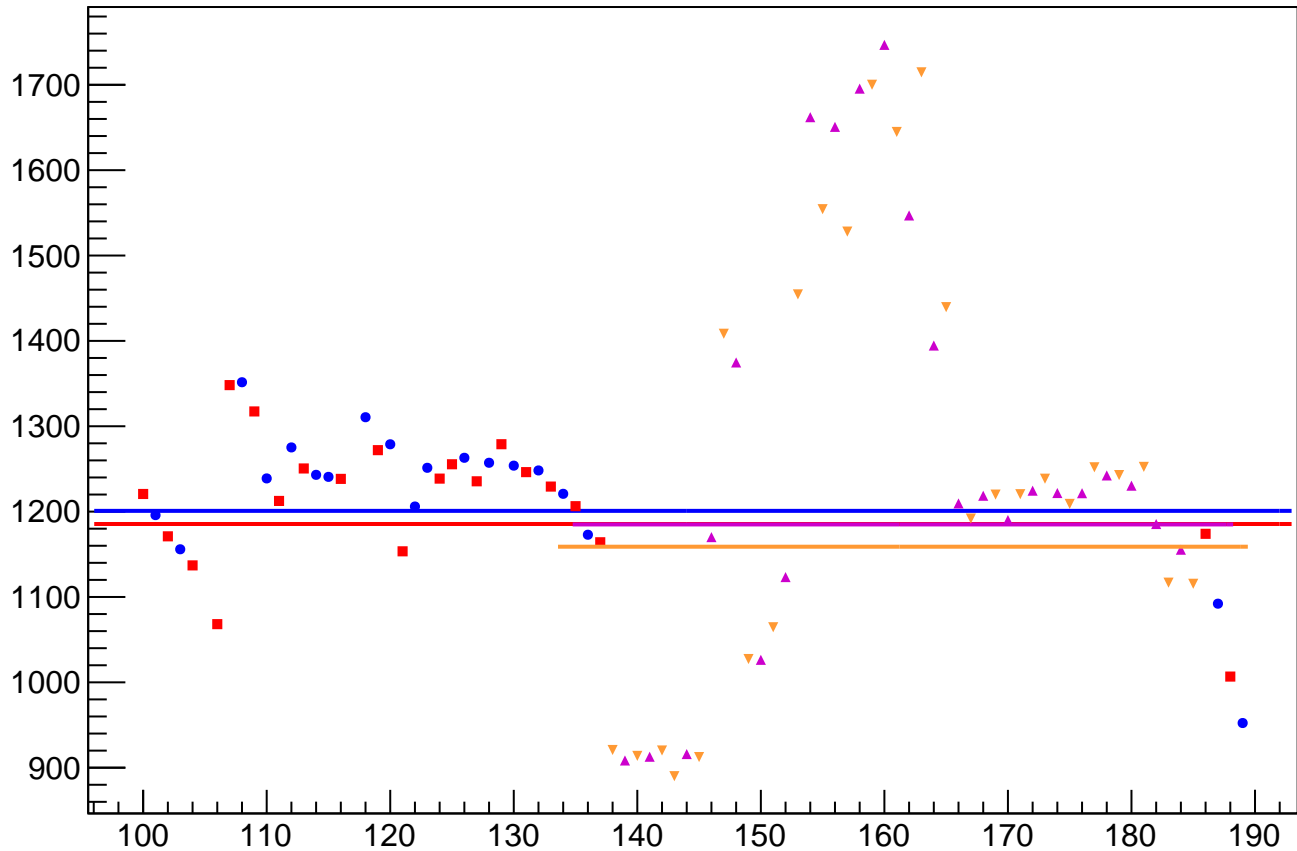
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 1.770 ± 0.235 χ^2/NDF : 391.1/43

All: 1.197 ± 0.167 χ^2/NDF : 1058.6/87

- sign 0.611 ± 0.237 χ^2/NDF : 655.4/43

diff_bpm0l06Y_rms vs Slug



Right In: 1200.879 \pm 0.314 χ^2 /NDF: 101889.3/18

Left Out: 1158.894 \pm 0.195 χ^2 /NDF: 1410423.6/24

Right Out: 1185.496 \pm 0.290 χ^2 /NDF: 107327.0/20

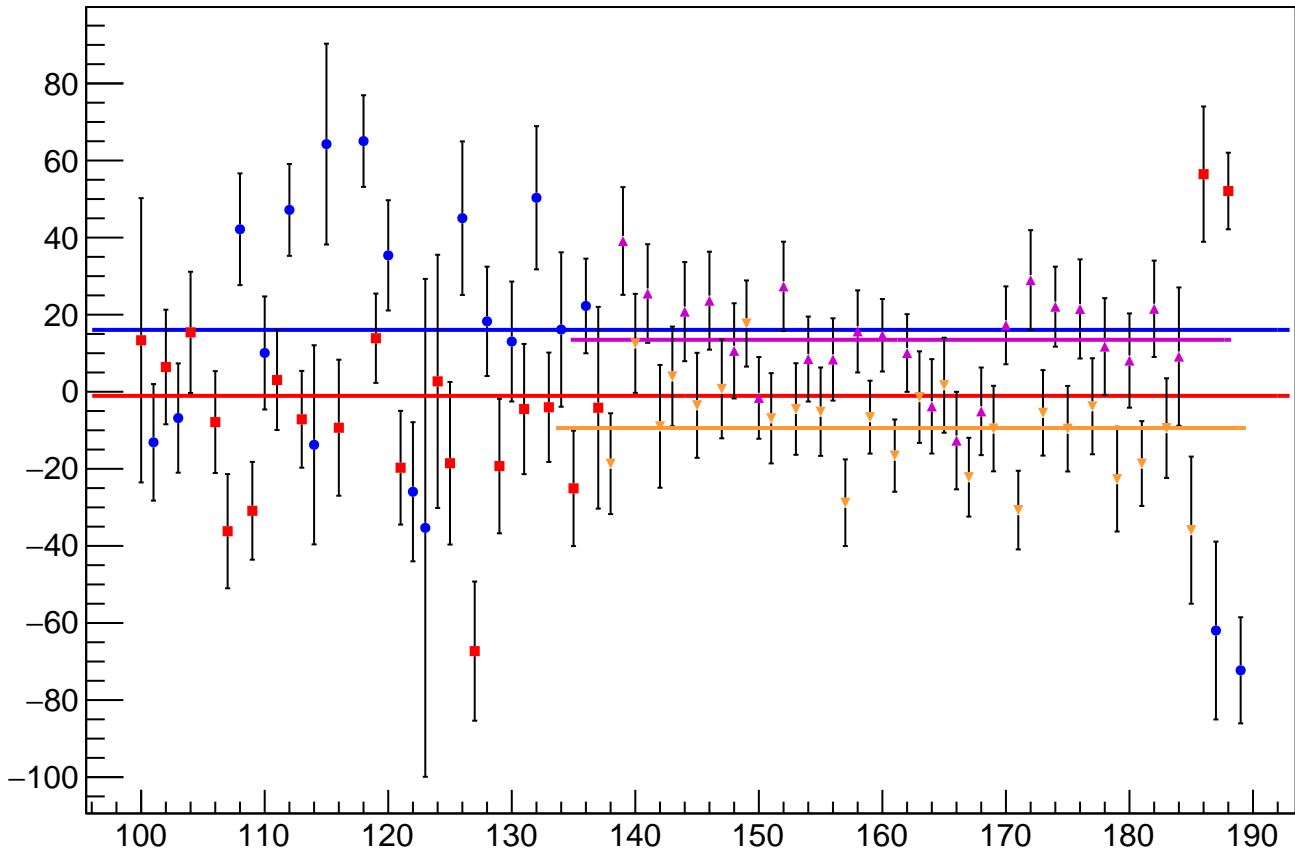
Left In: 1184.966 \pm 0.206 χ^2 /NDF: 1190431.5/22

+ sign 1170.606 \pm 0.166 χ^2 /NDF: 1525188.4/43

All: 1177.798 \pm 0.118 χ^2 /NDF: 2826746.0/87

- sign 1185.143 \pm 0.168 χ^2 /NDF: 1297760.8/43

diff_bpm0l07X_mean vs Slug



Right In: 16.054 ± 3.656 $\chi^2/\text{NDF}: 104.6/18$

Left Out: -9.398 ± 2.358 $\chi^2/\text{NDF}: 26.3/24$

Right Out: -1.061 ± 3.322 $\chi^2/\text{NDF}: 74.0/20$

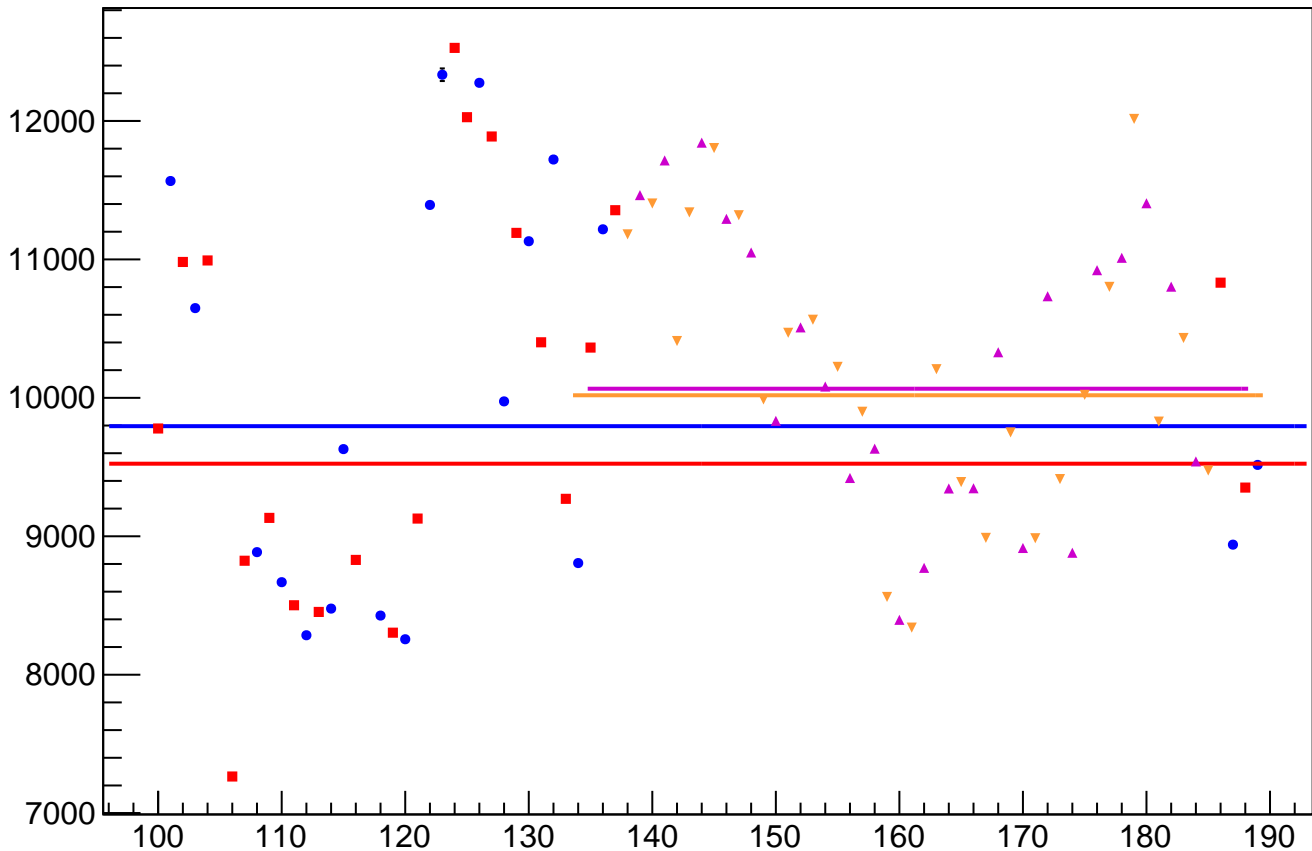
Left In: 13.485 ± 2.443 $\chi^2/\text{NDF}: 21.6/22$

+ sign -1.917 ± 1.982 $\chi^2/\text{NDF}: 165.1/43$

All: 3.267 ± 1.396 $\chi^2/\text{NDF}: 286.8/87$

- sign 8.380 ± 1.968 $\chi^2/\text{NDF}: 108.0/43$

diff_bpm0l07X_rms vs Slug



Right In: 9795.385 \pm 2.585 χ^2 /NDF: 262966.9/18

Left Out: 10018.563 \pm 1.668 χ^2 /NDF:344534.6/24

Right Out: 9524.317 \pm 2.349 χ^2 /NDF: 286444.4/20

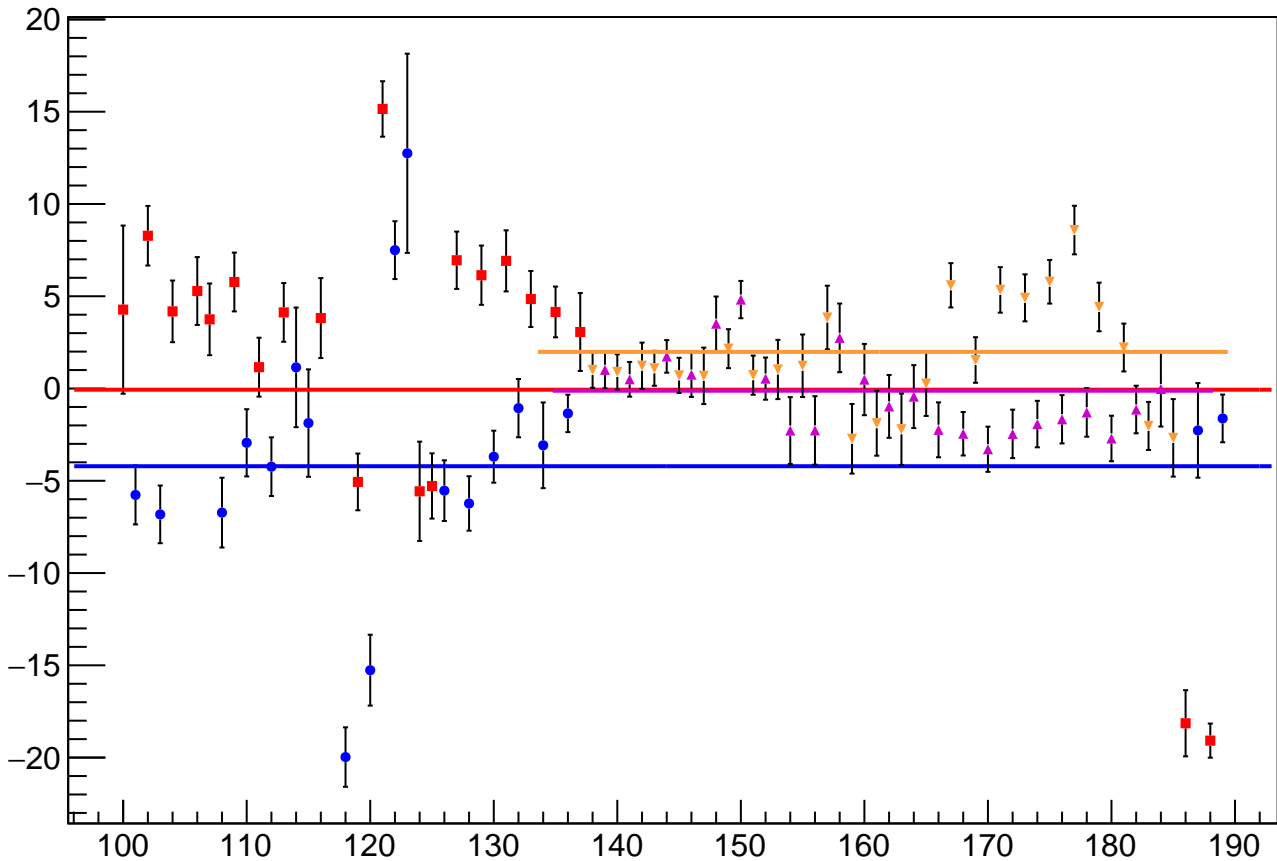
Left In: 10065.909 \pm 1.727 χ^2 /NDF:357868.9/22

+ sign 9952.971 \pm 1.401 χ^2 /NDF: 612765.0/43

All: 9914.136 \pm 0.987 χ^2 /NDF: 1293104.5/87

- sign 9875.840 \pm 1.392 χ^2 /NDF: 678814.3/43

diff_bpm0l07Y_mean vs Slug



Right In: -4.211 ± 0.385 $\chi^2/\text{NDF}: 223.3/18$

Left Out: 1.985 ± 0.255 $\chi^2/\text{NDF}: 101.2/24$

Right Out: -0.065 ± 0.356 $\chi^2/\text{NDF}: 796.8/20$

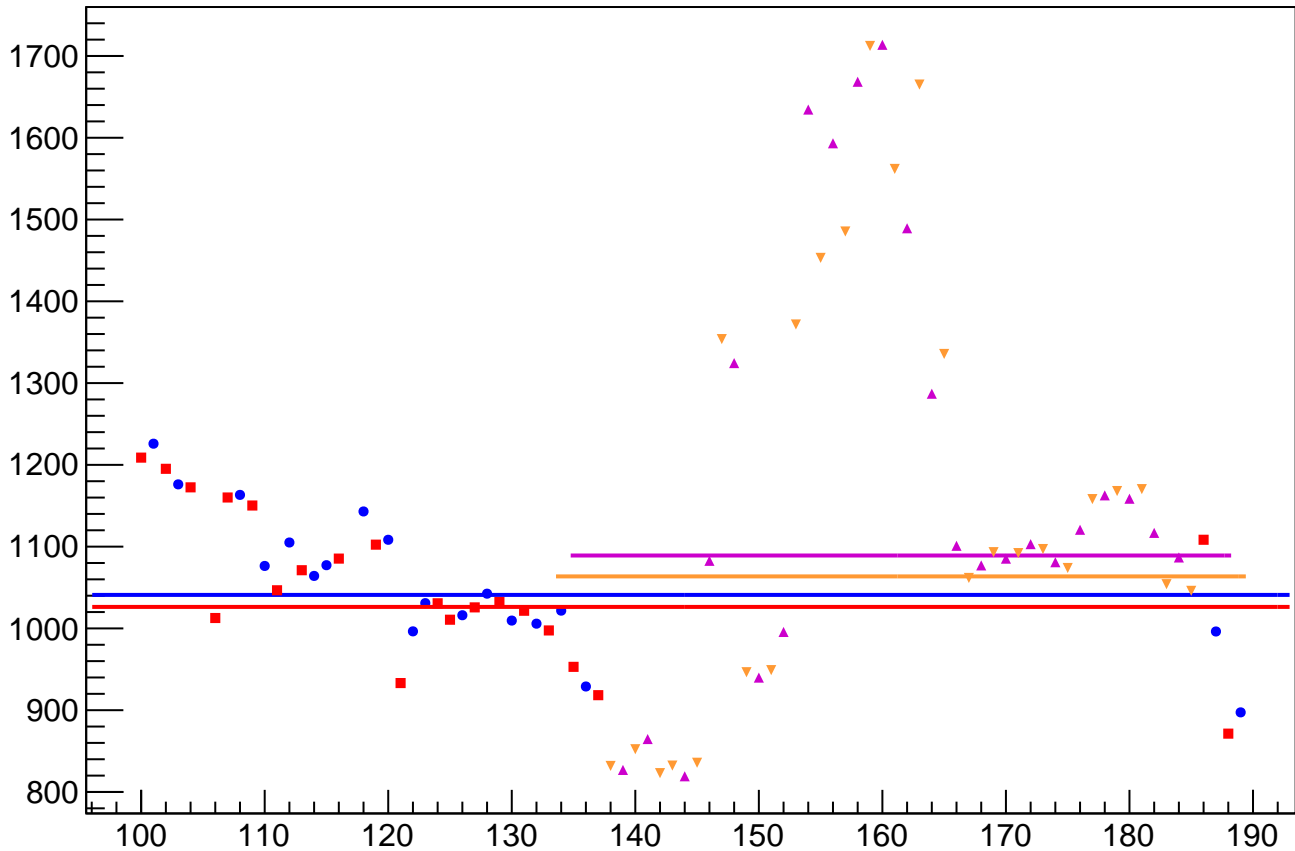
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

+ sign 0.100 ± 0.213 $\chi^2/\text{NDF}: 504.4/43$

All: 0.001 ± 0.151 $\chi^2/\text{NDF}: 1369.2/87$

- sign -0.100 ± 0.214 $\chi^2/\text{NDF}: 864.4/43$

diff_bpm0l07Y_rms vs Slug



Right In: 1040.971 \pm 0.273 χ^2 /NDF: 118964.7/18

Left Out: 1063.600 \pm 0.180 χ^2 /NDF: 1617376.3/24

Right Out: 1026.292 \pm 0.252 χ^2 /NDF: 150357.0/20

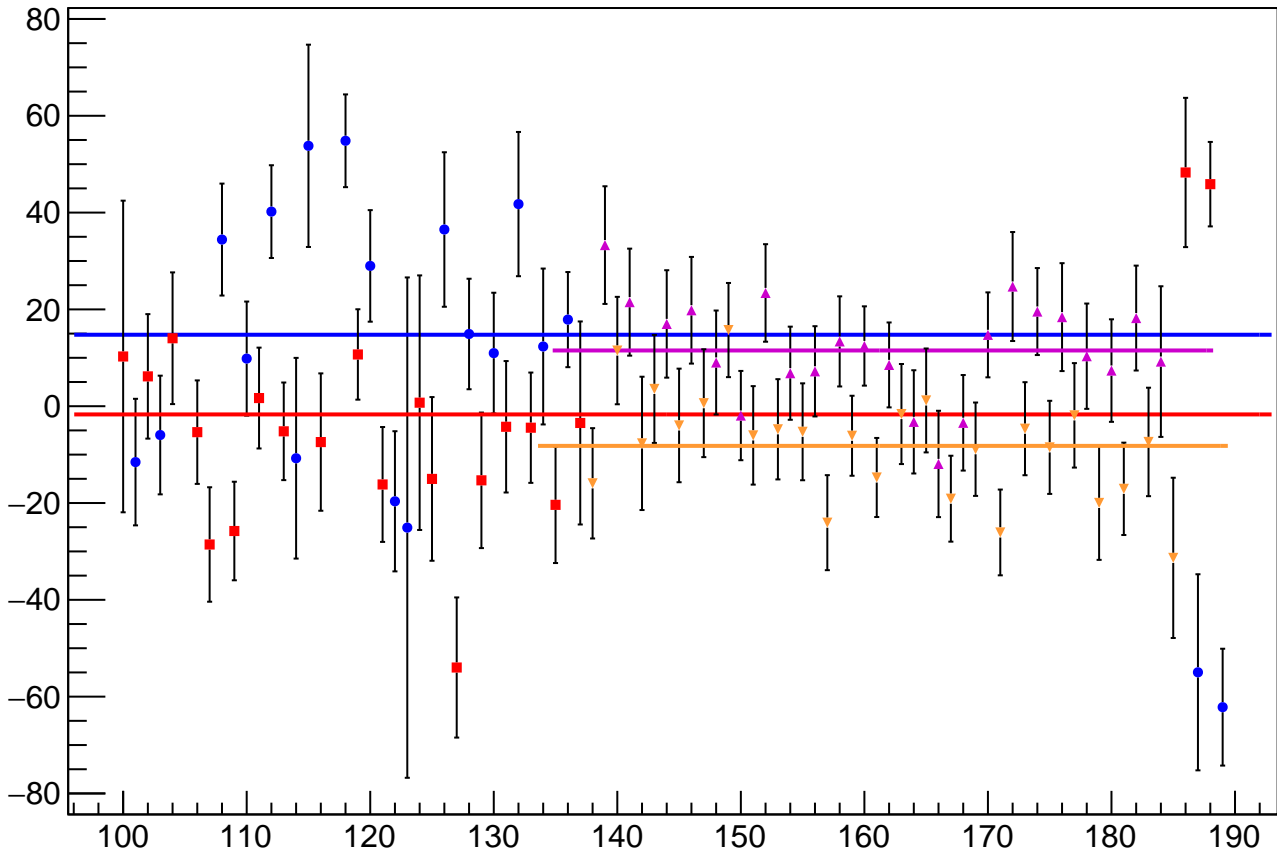
Left In: 1089.154 \pm 0.190 χ^2 /NDF: 1430478.5/22

+ sign 1056.718 \pm 0.150 χ^2 /NDF: 1741138.5/43

All: 1061.475 \pm 0.107 χ^2 /NDF: 3363768.3/87

- sign 1066.315 \pm 0.152 χ^2 /NDF: 1620608.7/43

diff_bpm0l08X_mean vs Slug



Right In: 14.764 ± 2.984 $\chi^2/\text{NDF}: 105.1/18$

Left Out: -8.195 ± 2.049 $\chi^2/\text{NDF}: 26.2/24$

Right Out: -1.697 ± 2.721 $\chi^2/\text{NDF}: 73.7/20$

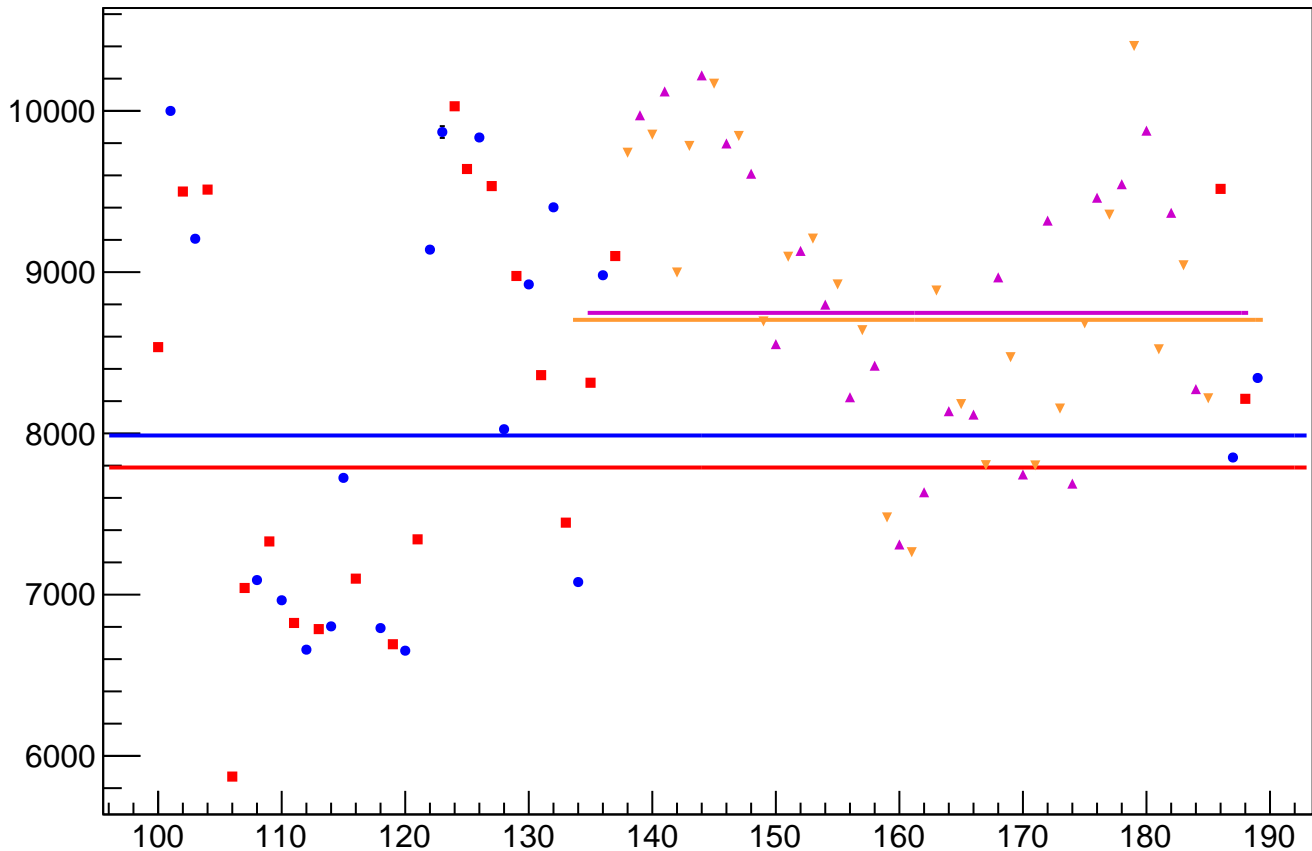
Left In: 11.515 ± 2.122 $\chi^2/\text{NDF}: 21.0/22$

+ sign -0.840 ± 1.689 $\chi^2/\text{NDF}: 171.5/43$

All: 2.873 ± 1.189 $\chi^2/\text{NDF}: 290.5/87$

- sign 6.518 ± 1.674 $\chi^2/\text{NDF}: 109.4/43$

diff_bpm0l08X_rms vs Slug



Right In: 7986.994+/-2.110 χ^2 /NDF: 297584.8/18

Left Out: 8704.193+/-1.449 χ^2 /NDF:332364.3/24

Right Out: 7788.412+/-1.924 χ^2 /NDF: 345742.5/20

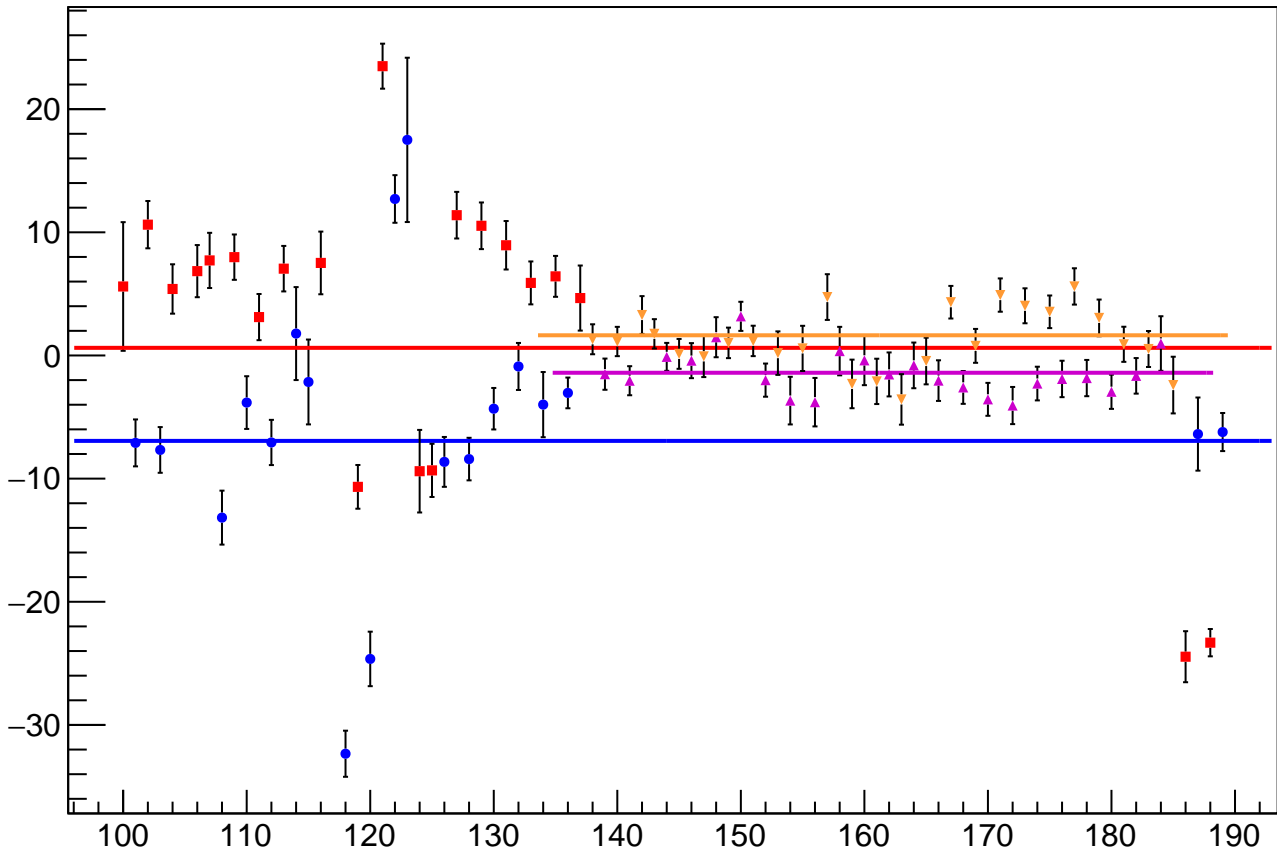
Left In: 8747.415+/-1.501 χ^2 /NDF:347110.4/22

+ sign 8474.444+/-1.194 χ^2 /NDF: 708470.5/43

All: 8429.169+/-0.841 χ^2 /NDF: 1558613.8/87

- sign 8384.714+/-1.183 χ^2 /NDF: 847294.9/43

diff_bpm0l08Y_mean vs Slug



Right In: -6.936 ± 0.459 χ^2/NDF : 407.6/18

Left Out: 1.639 ± 0.294 χ^2/NDF : 51.3/24

Right Out: 0.620 ± 0.422 χ^2/NDF : 1030.3/20

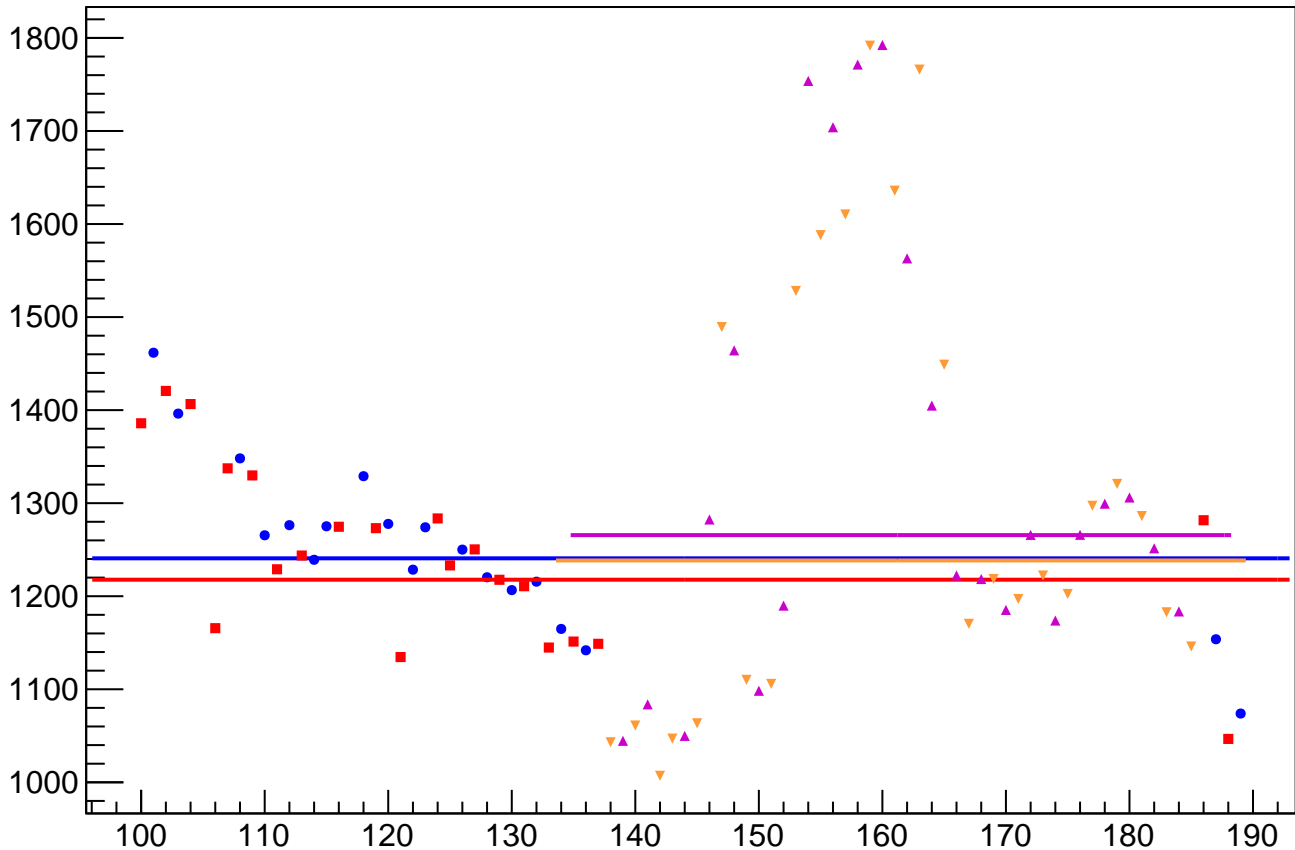
Left In: -1.404 ± 0.309 χ^2/NDF : 34.1/22

+ sign -0.851 ± 0.247 χ^2/NDF : 706.6/43

All: -0.775 ± 0.176 χ^2/NDF : 1786.2/87

- sign -0.697 ± 0.249 χ^2/NDF : 1079.5/43

diff_bpm0l08Y_rms vs Slug



Right In: 1240.720+/-0.325 χ^2 /NDF: 92801.7/18

Left Out: 1238.437+/-0.208 χ^2 /NDF:965173.0/24

Right Out: 1217.749+/-0.298 χ^2 /NDF: 123036.6/20

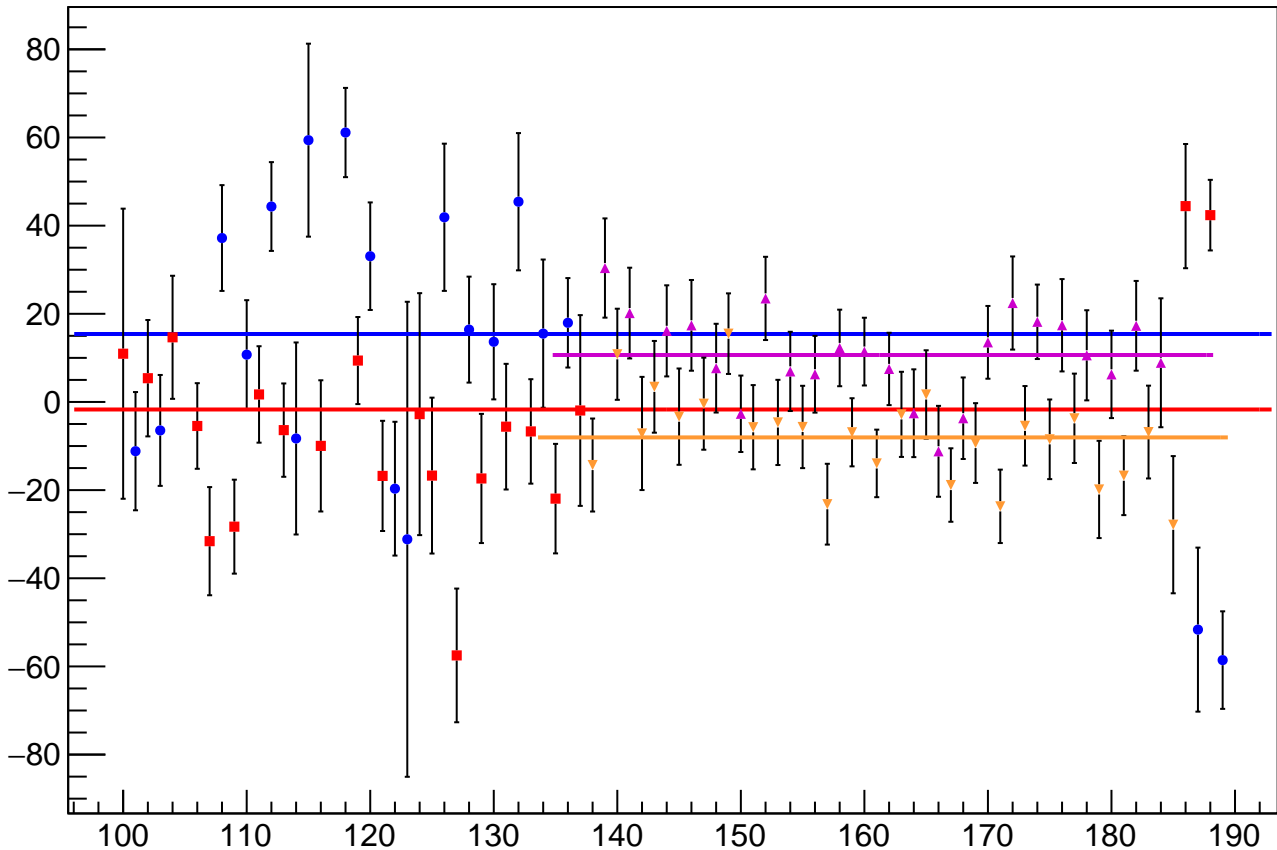
Left In: 1265.673+/-0.218 χ^2 /NDF:845157.0/22

+ sign 1239.100+/-0.175 χ^2 /NDF: 1058009.8/43

All: 1243.979+/-0.124 χ^2 /NDF: 2044577.5/87

- sign 1248.935+/-0.176 χ^2 /NDF: 984998.6/43

diff_bpm0l09X_mean vs Slug



Right In: 15.417+/-3.081 χ^2 /NDF: 116.4/18

Left Out: -8.042+/-1.918 χ^2 /NDF:26.3/24

Right Out: -1.709+/-2.762 χ^2 /NDF: 76.8/20

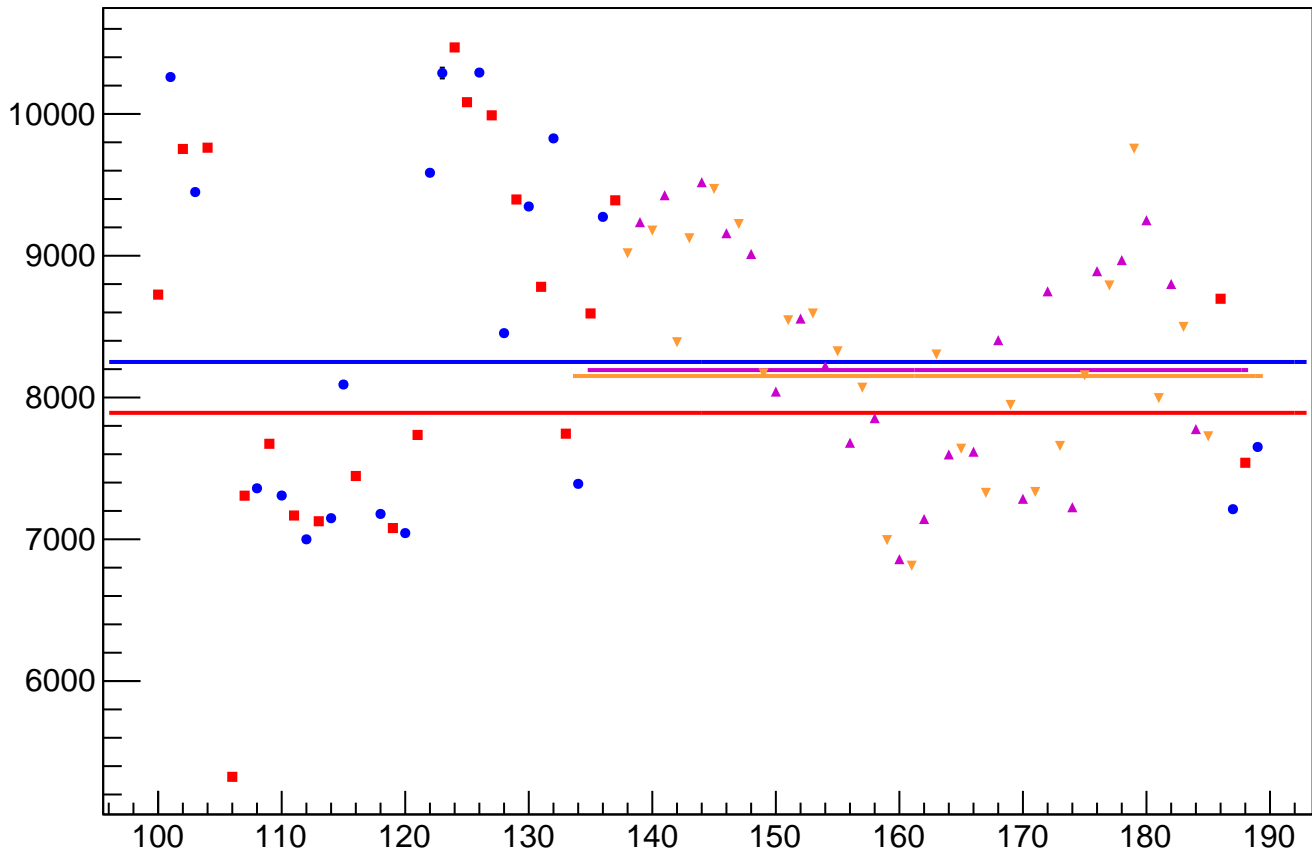
Left In: 10.653+/-1.988 χ^2 /NDF:21.4/22

+ sign -1.489+/-1.628 χ^2 /NDF: 184.5/43

All: 2.510+/-1.146 χ^2 /NDF: 307.8/87

- sign 6.435+/-1.613 χ^2 /NDF: 111.4/43

diff_bpm0l09X_rms vs Slug



Right In: 8250.731 \pm 2.178 χ^2 /NDF: 284784.2/18

Left Out: 8151.489 \pm 1.356 χ^2 /NDF:321803.3/24

Right Out: 7891.962 \pm 1.953 χ^2 /NDF: 399025.4/20

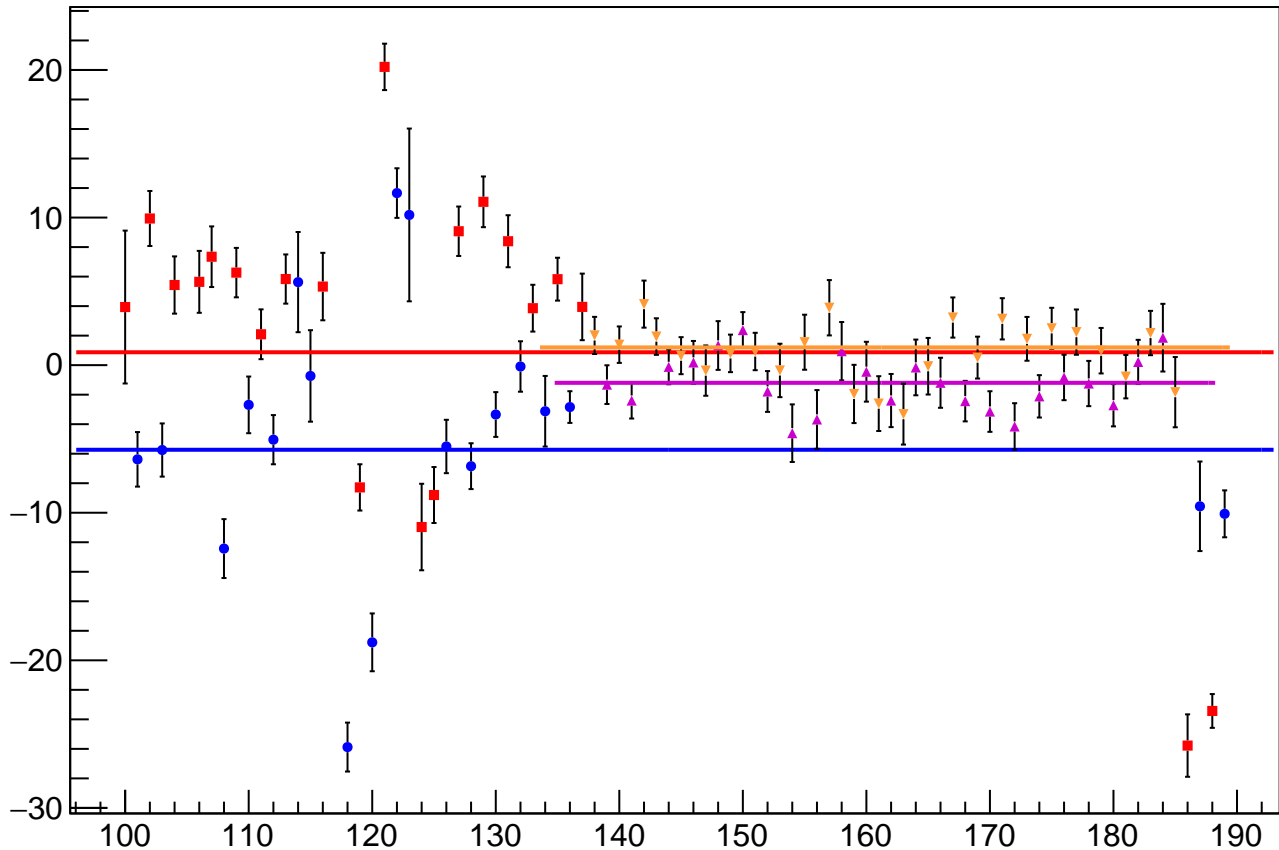
Left In: 8193.636 \pm 1.405 χ^2 /NDF:338377.6/22

+ sign 8179.214 \pm 1.151 χ^2 /NDF: 608083.1/43

All: 8134.546 \pm 0.810 χ^2 /NDF: 1364189.3/87

- sign 8090.703 \pm 1.141 χ^2 /NDF: 753124.0/43

diff_bpm0l09Y_mean vs Slug



Right In: -5.733 ± 0.418 χ^2/NDF : 365.8/18

Left Out: 1.203 ± 0.302 χ^2/NDF : 29.9/24

Right Out: 0.873 ± 0.389 χ^2/NDF : 999.8/20

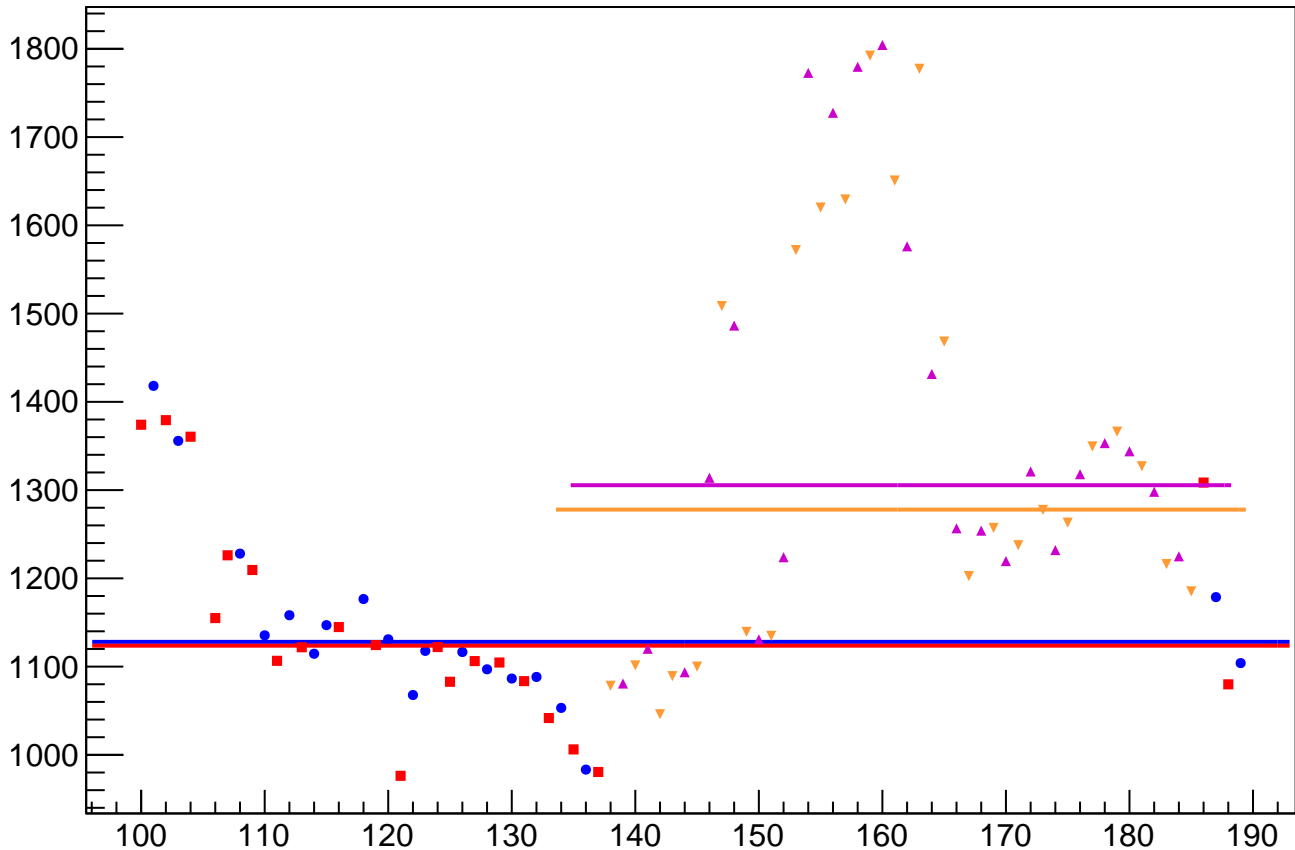
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -1.181 ± 0.245 χ^2/NDF : 576.5/43

All: -0.777 ± 0.174 χ^2/NDF : 1629.9/87

- sign -0.369 ± 0.246 χ^2/NDF : 1047.9/43

diff_bpm0l09Y_rms vs Slug



Right In: 1128.031 \pm 0.296 χ^2 /NDF: 134100.0/18

Left Out: 1277.916 \pm 0.214 χ^2 /NDF: 878127.9/24

Right Out: 1123.709 \pm 0.275 χ^2 /NDF: 147825.8/20

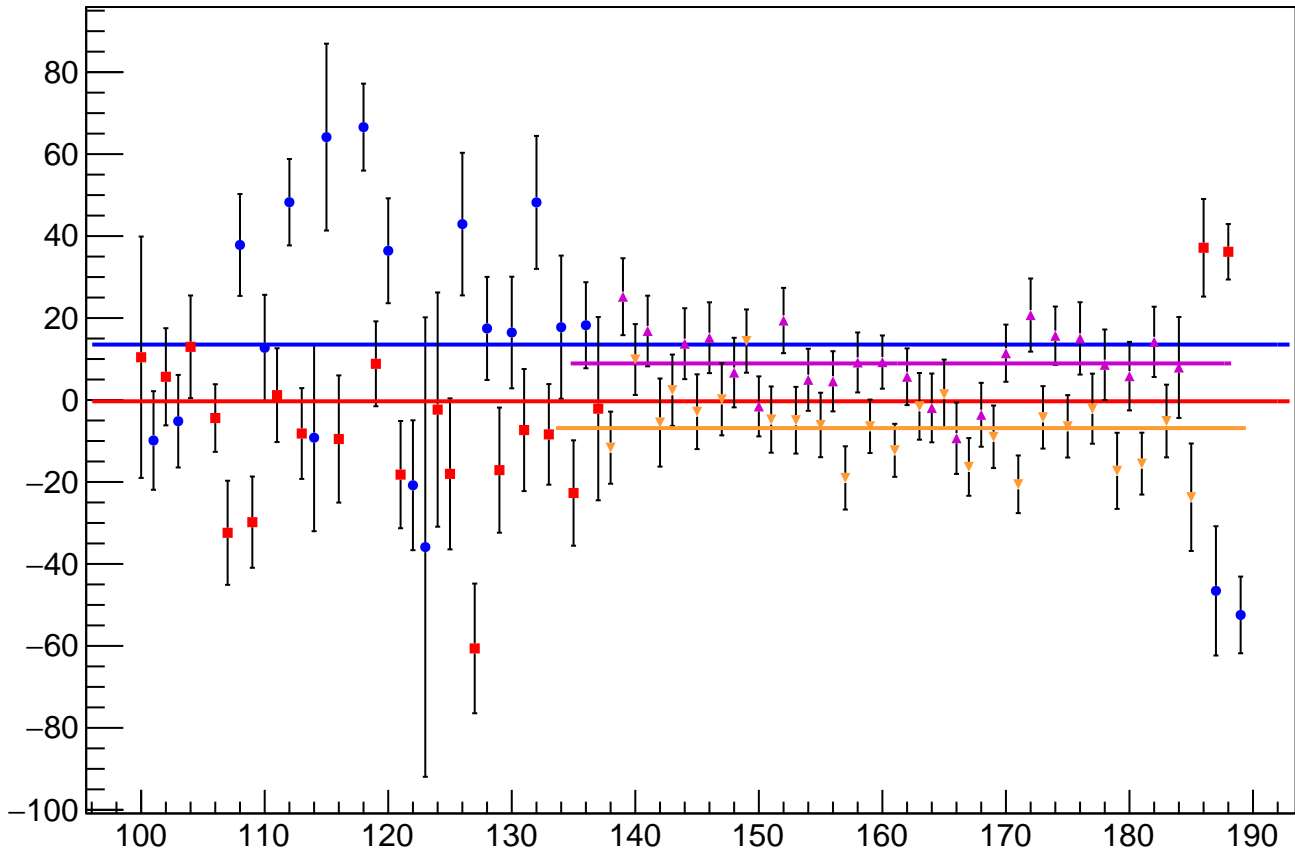
Left In: 1305.541 \pm 0.225 χ^2 /NDF: 760450.8/22

+ sign 1226.399 \pm 0.173 χ^2 /NDF: 1181059.7/43

All: 1229.568 \pm 0.123 χ^2 /NDF: 2351462.3/87

- sign 1232.772 \pm 0.174 χ^2 /NDF: 1169730.0/43

diff_bpm0l10X_mean vs Slug



Right In: 13.528 ± 3.072 $\chi^2/\text{NDF}: 132.9/18$

Left Out: -6.854 ± 1.616 $\chi^2/\text{NDF}: 28.7/24$

Right Out: -0.313 ± 2.680 $\chi^2/\text{NDF}: 77.9/20$

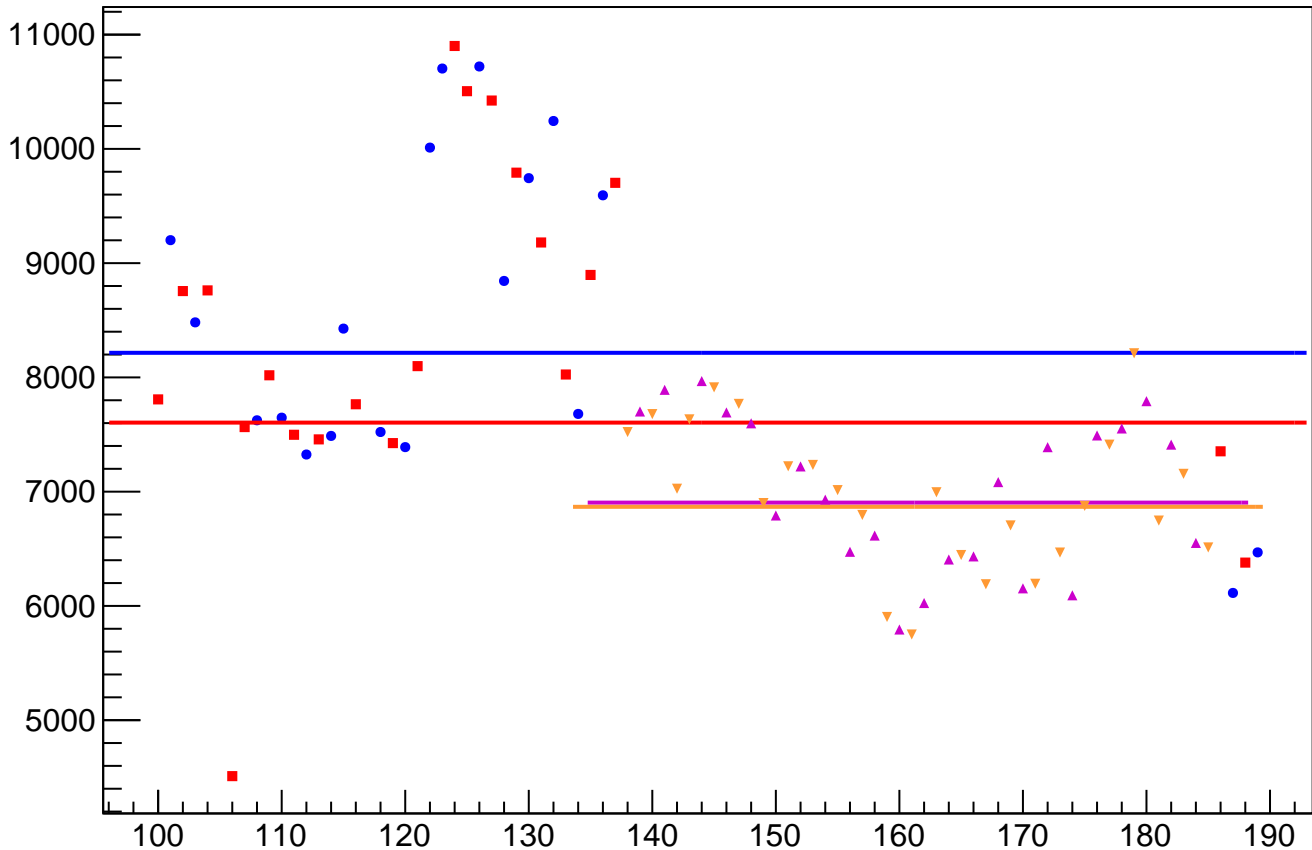
Left In: 8.923 ± 1.674 $\chi^2/\text{NDF}: 21.8/22$

+ sign -2.439 ± 1.430 $\chi^2/\text{NDF}: 196.1/43$

All: 1.976 ± 1.008 $\chi^2/\text{NDF}: 323.3/87$

- sign 6.331 ± 1.420 $\chi^2/\text{NDF}: 108.3/43$

diff_bpm0l10X_rms vs Slug



Right In: 8215.263+/-2.172 χ^2/NDF : 330471.4/18

Left Out: 6867.371+/-1.142 χ^2/NDF : 306895.0/24

Right Out: 7604.409+/-1.895 χ^2/NDF : 633840.3/20

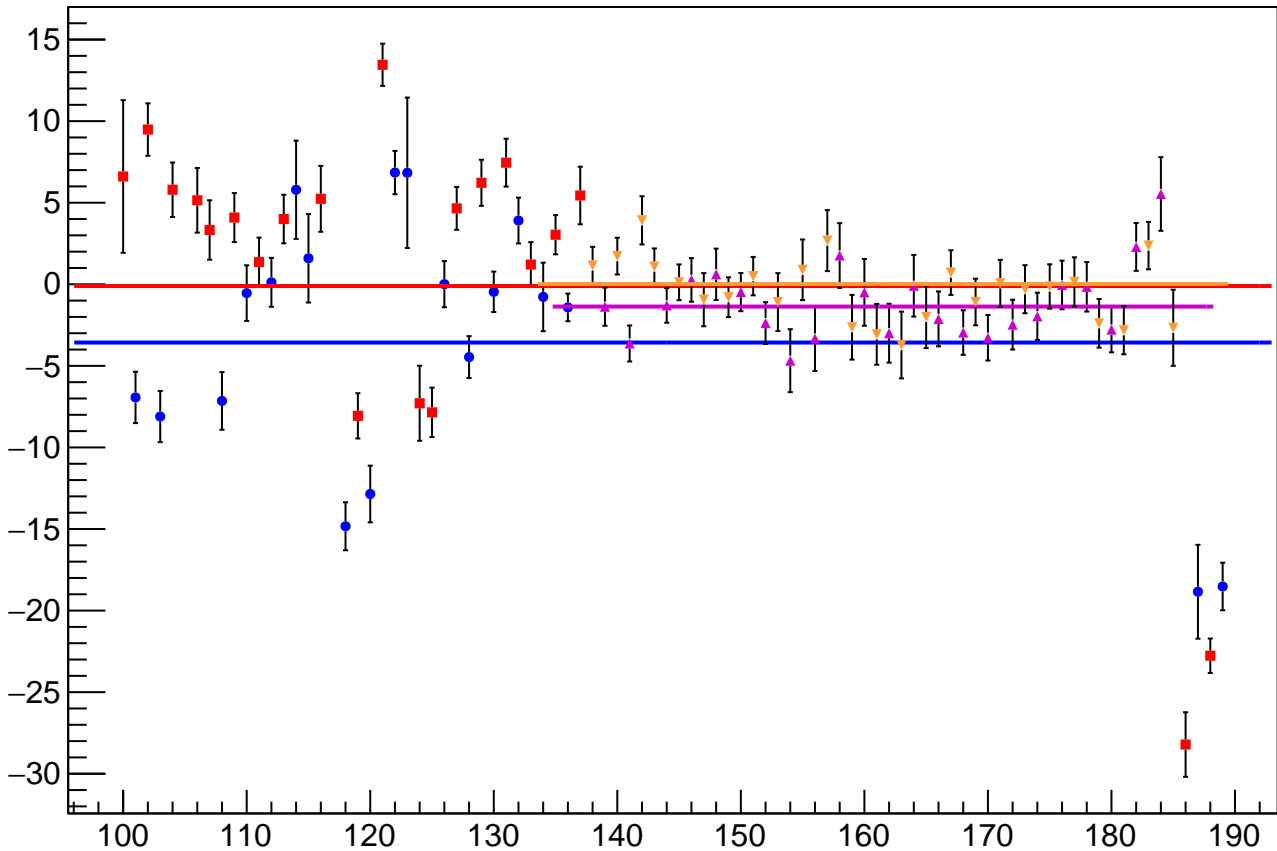
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

+ sign 7159.372+/-1.011 χ^2/NDF : 938970.1/43

All: 7129.815+/-0.712 χ^2/NDF : 1998616.8/87

- sign 7100.662+/-1.004 χ^2/NDF : 1057949.2/43

diff_bpm0110Y_mean vs Slug



Right In: -3.570 ± 0.353 $\chi^2/\text{NDF}: 376.5/18$

Left Out: 0.014 ± 0.290 $\chi^2/\text{NDF}: 35.0/24$

Right Out: -0.106 ± 0.335 $\chi^2/\text{NDF}: 1003.1/20$

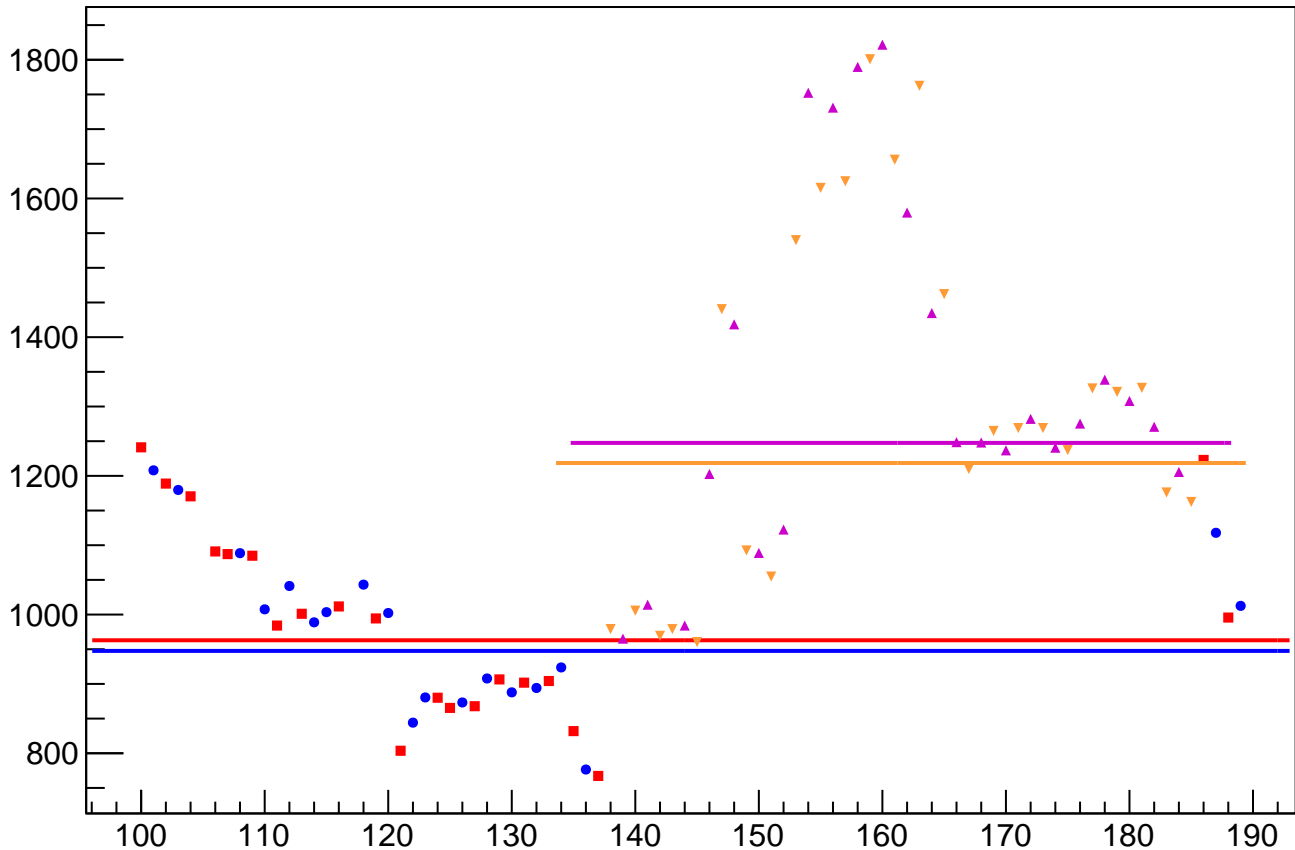
Left In: -1.365 ± 0.306 $\chi^2/\text{NDF}: 38.5/22$

+ sign -1.432 ± 0.224 $\chi^2/\text{NDF}: 473.2/43$

All: -1.115 ± 0.159 $\chi^2/\text{NDF}: 1526.5/87$

- sign -0.793 ± 0.226 $\chi^2/\text{NDF}: 1049.3/43$

diff_bpm0l10Y_rms vs Slug



Right In: 947.590 \pm 0.249 χ^2 /NDF: 253383.6/18

Left Out: 1218.543 \pm 0.205 χ^2 /NDF:1265847.5/24

Right Out: 962.923 \pm 0.237 χ^2 /NDF: 259213.0/20

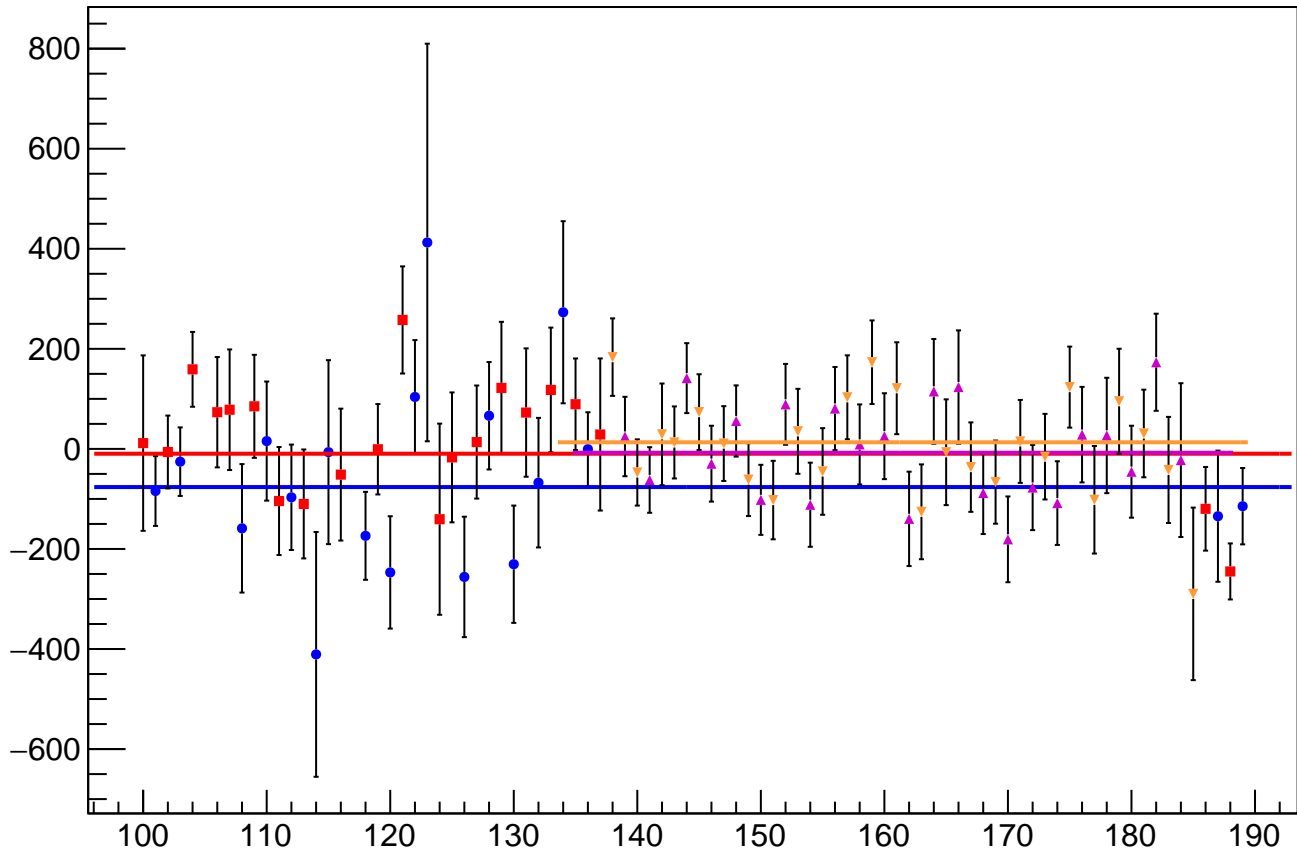
Left In: 1247.538 \pm 0.216 χ^2 /NDF:1073390.3/22

+ sign 1109.213 \pm 0.158 χ^2 /NDF: 2224072.5/43

All: 1113.701 \pm 0.112 χ^2 /NDF: 4346773.0/87

- sign 1118.261 \pm 0.160 χ^2 /NDF: 2121080.8/43

diff_bpm0r03X_mean vs Slug



Right In: -76.282 ± 24.172 $\chi^2/\text{NDF}: 22.1/18$

Left Out: 13.207 ± 17.146 $\chi^2/\text{NDF}: 26.8/24$

Right Out: -9.664 ± 22.058 $\chi^2/\text{NDF}: 38.6/20$

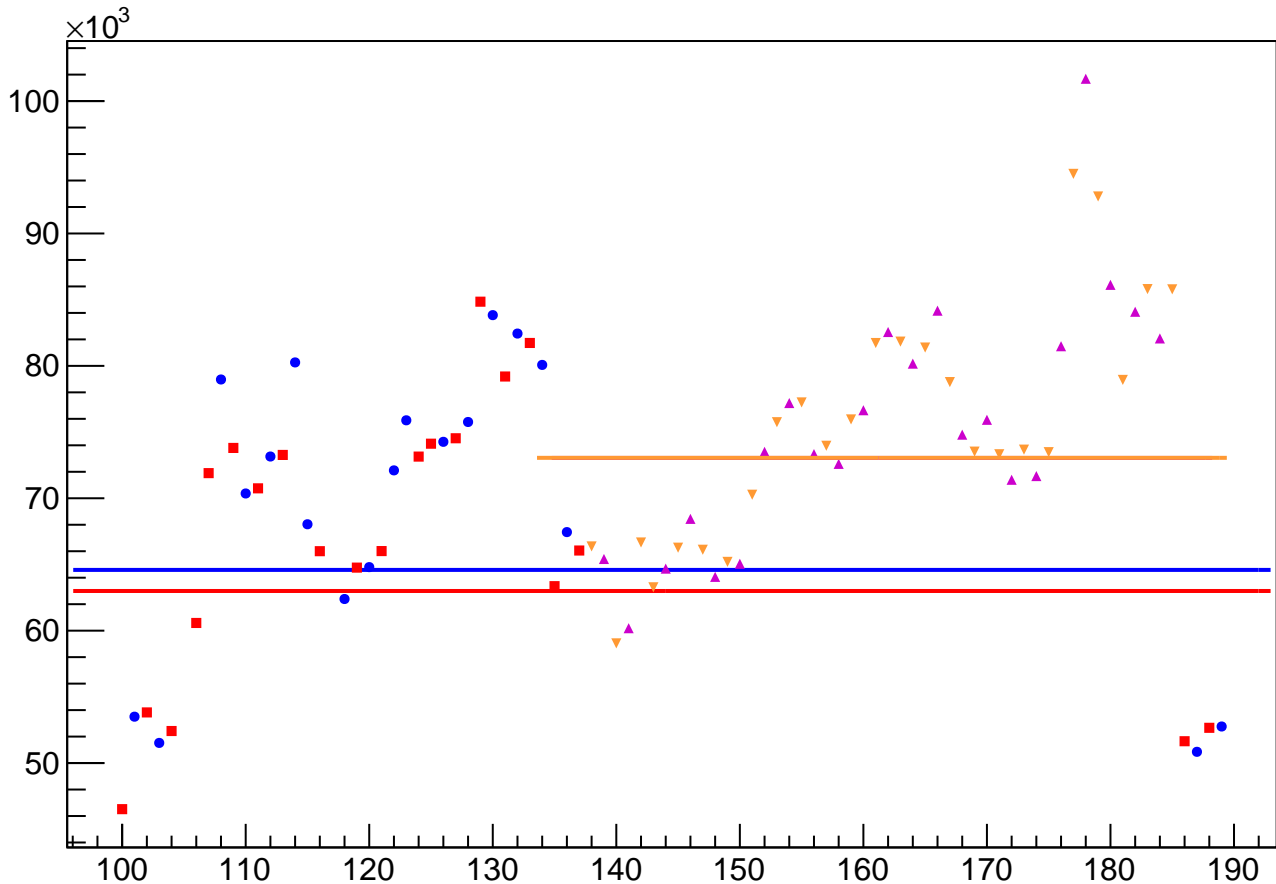
Left In: -7.618 ± 17.672 $\chi^2/\text{NDF}: 28.1/22$

+ sign -16.748 ± 13.985 $\chi^2/\text{NDF}: 58.0/43$

All: -12.525 ± 9.820 $\chi^2/\text{NDF}: 124.9/87$

- sign -8.418 ± 13.792 $\chi^2/\text{NDF}: 66.7/43$

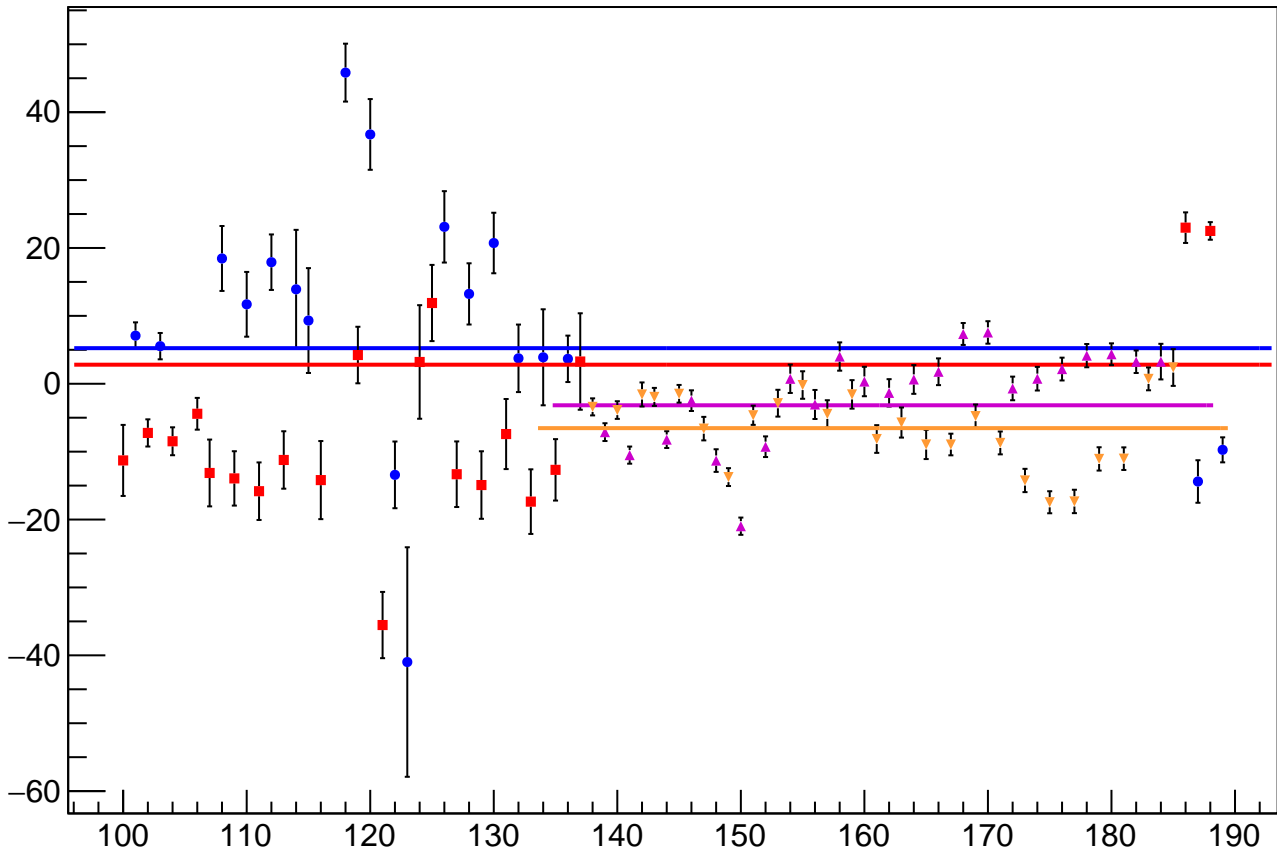
diff_bpm0r03X_rms vs Slug



Right In: 64588.972 \pm 17.092 χ^2 /NDF: 400896.4/18
 Left Out: 73054.401 \pm 12.124 χ^2 /NDF:473050.9/24
 Right Out: 62997.134 \pm 15.597 χ^2 /NDF: 433686.1/20
 Left In: 73045.500 \pm 12.496 χ^2 /NDF:463525.5/22

+ sign 70220.778 \pm 9.889 χ^2 /NDF: 1037135.1/43
 All: 69661.387 \pm 6.944 χ^2 /NDF: 2193447.9/6
 - sign 69117.376 \pm 9.752 χ^2 /NDF: 1150001.1/43

diff_bpm0r03Y_mean vs Slug



Right In: 5.243 ± 0.812 $\chi^2/\text{NDF}: 302.6/18$

Left Out: -6.537 ± 0.332 $\chi^2/\text{NDF}: 252.7/24$

Right Out: 2.808 ± 0.686 $\chi^2/\text{NDF}: 572.6/20$

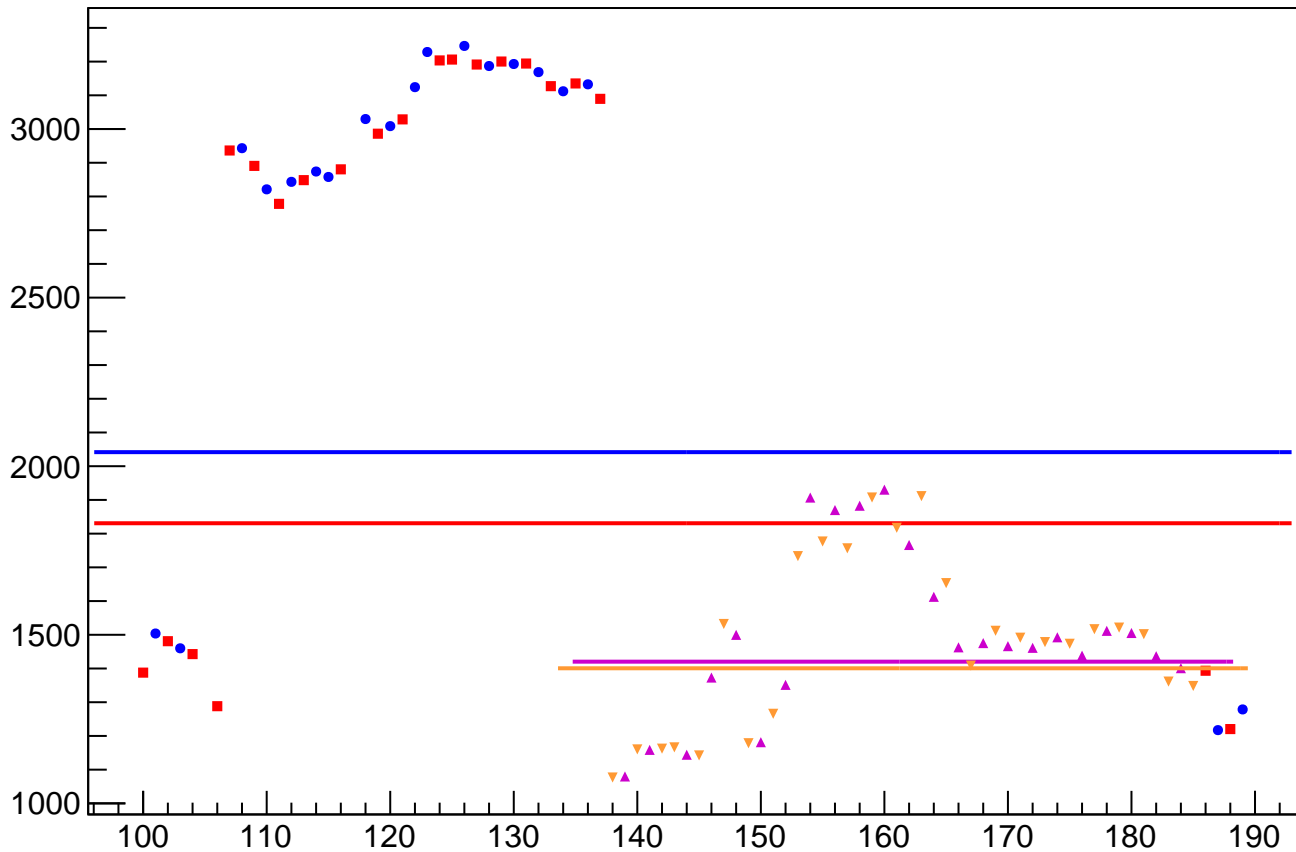
Left In: -3.171 ± 0.346 $\chi^2/\text{NDF}: 487.3/22$

+ sign -4.850 ± 0.307 $\chi^2/\text{NDF}: 735.8/43$

All: -3.413 ± 0.218 $\chi^2/\text{NDF}: 1900.3/87$

- sign -1.957 ± 0.309 $\chi^2/\text{NDF}: 1120.4/43$

diff_bpm0r03Y_rms vs Slug



Right In: 2041.684 \pm 0.574 χ^2 /NDF: 2056451.3/18

Left Out: 1400.637 \pm 0.235 χ^2 /NDF: 1037921.6/24

Right Out: 1830.814 \pm 0.485 χ^2 /NDF: 2572783.0/20

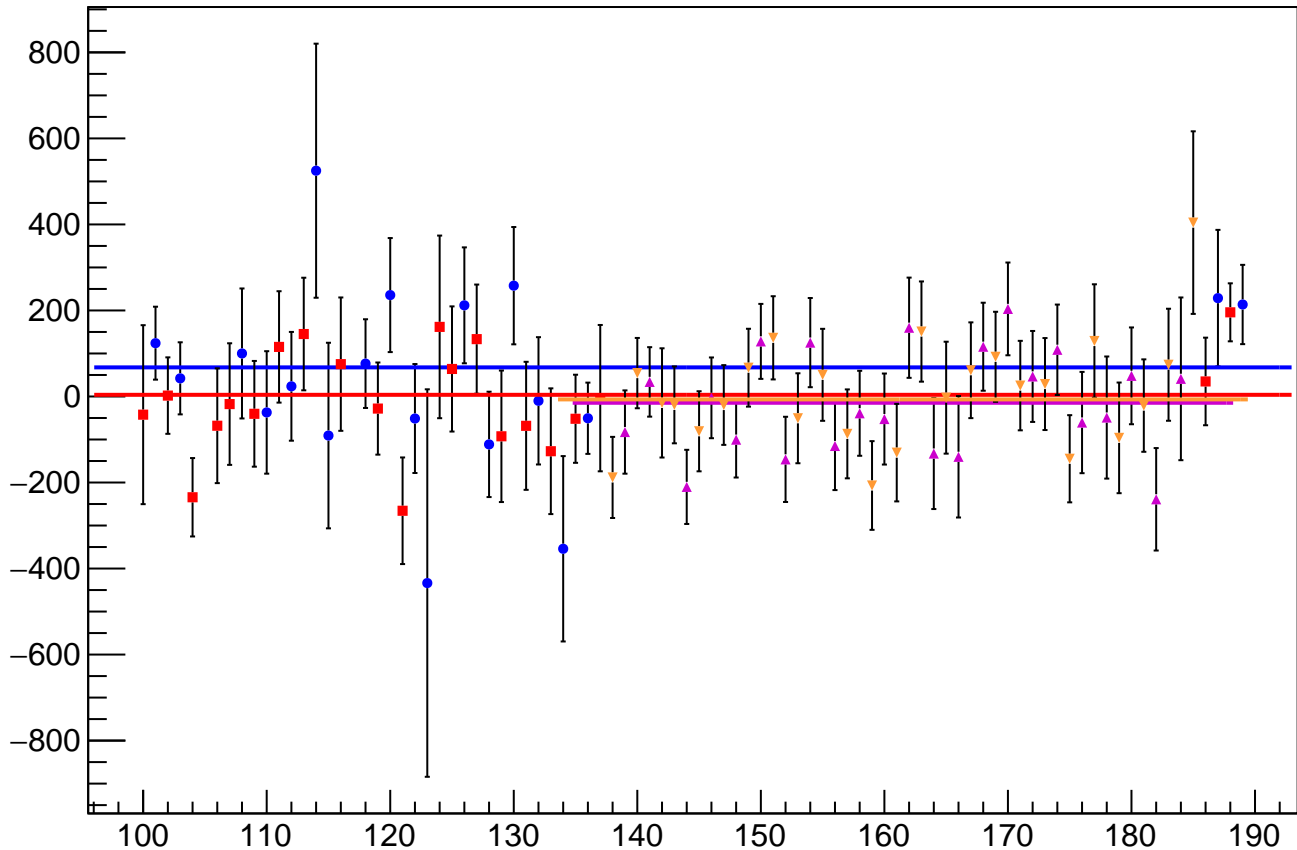
Left In: 1420.285 \pm 0.245 χ^2 /NDF: 905186.2/22

+ sign 1492.438 \pm 0.217 χ^2 /NDF: 4163369.7/43

All: 1498.003 \pm 0.154 χ^2 /NDF: 8212877.8/87

- sign 1503.645 \pm 0.219 χ^2 /NDF: 4048185.9/43

diff_bpm0r05X_mean vs Slug



Right In: 67.668 \pm 28.464 χ^2 /NDF: 22.8/18

Left Out: -6.789 \pm 21.213 χ^2 /NDF:24.7/24

Right Out: 3.882 \pm 26.108 χ^2 /NDF: 25.9/20

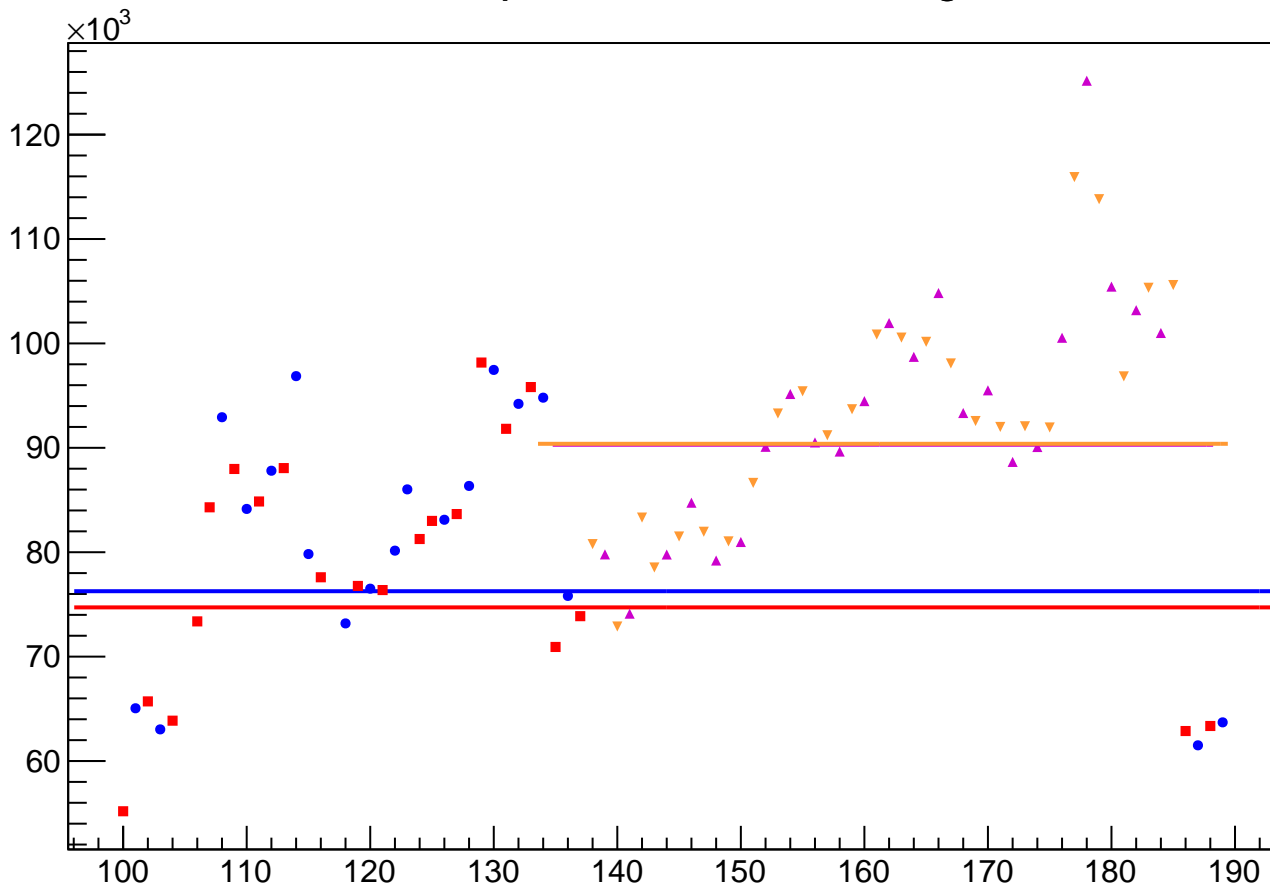
Left In: -14.611 \pm 21.846 χ^2 /NDF:29.8/22

+ sign 19.798 \pm 17.009 χ^2 /NDF: 51.9/43

All: 6.200 \pm 11.936 χ^2 /NDF: 109.2/87

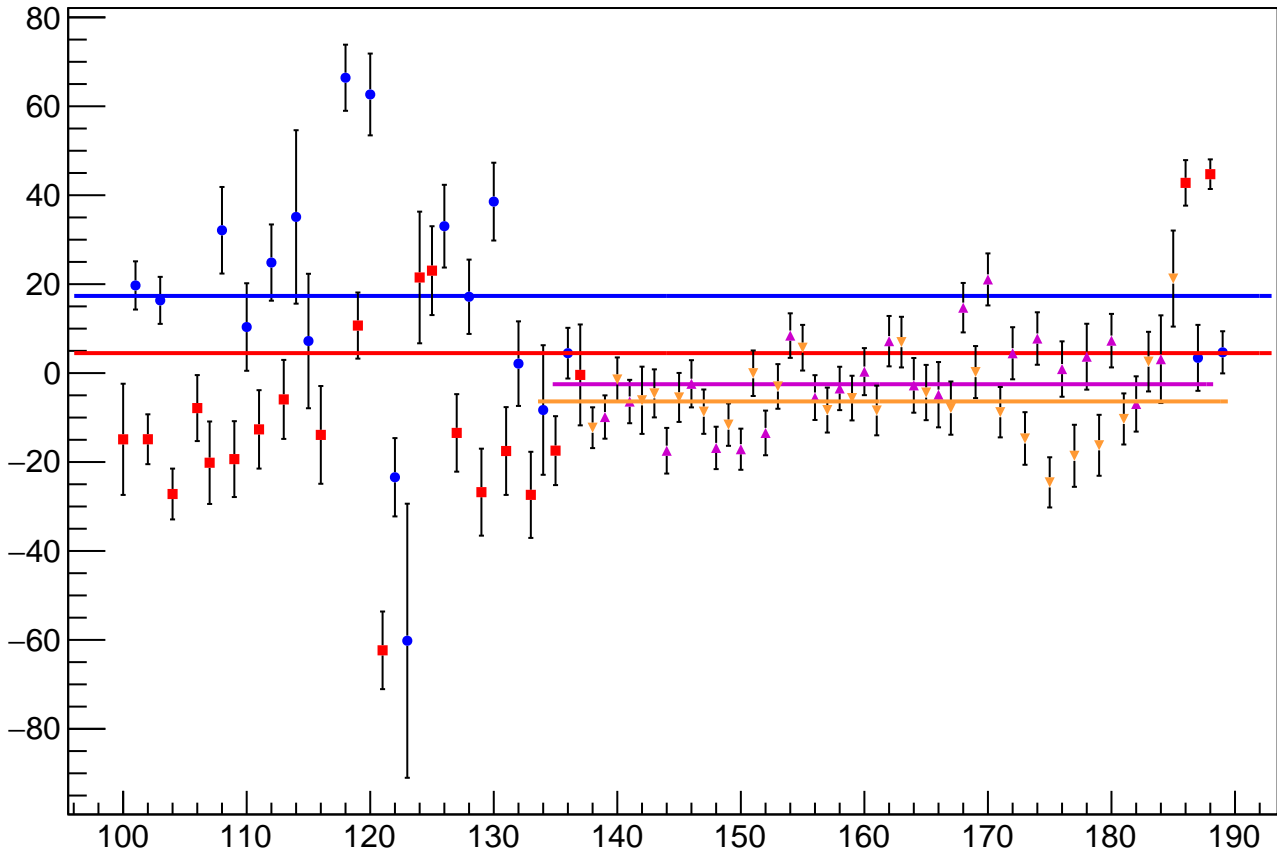
- sign -6.995 \pm 16.754 χ^2 /NDF: 56.1/43

diff_bpm0r05X_rms vs Slug



Right In: 76265.893+/-20.127	χ^2/NDF : 312661.4/18	+ sign 85343.137+/-12.027	χ^2/NDF : 1090684.3/43
Left Out: 90384.853+/-15.000	χ^2/NDF : 461648.2/24	All: 84599.689+/-8.440	χ^2/NDF : 2332494.8/8
Right Out: 74715.931+/-18.461	χ^2/NDF : 354153.9/20	- sign 83878.339+/-11.847	χ^2/NDF : 1234282.3/43
Left In: 90293.591+/-15.448	χ^2/NDF : 461337.5/22		

diff_bpm0r05Y_mean vs Slug



Right In: 17.354 \pm 1.816 χ^2 /NDF: 130.8/18

Left Out: -6.370 \pm 1.124 χ^2 /NDF: 45.5/24

Right Out: 4.492 \pm 1.603 χ^2 /NDF: 375.1/20

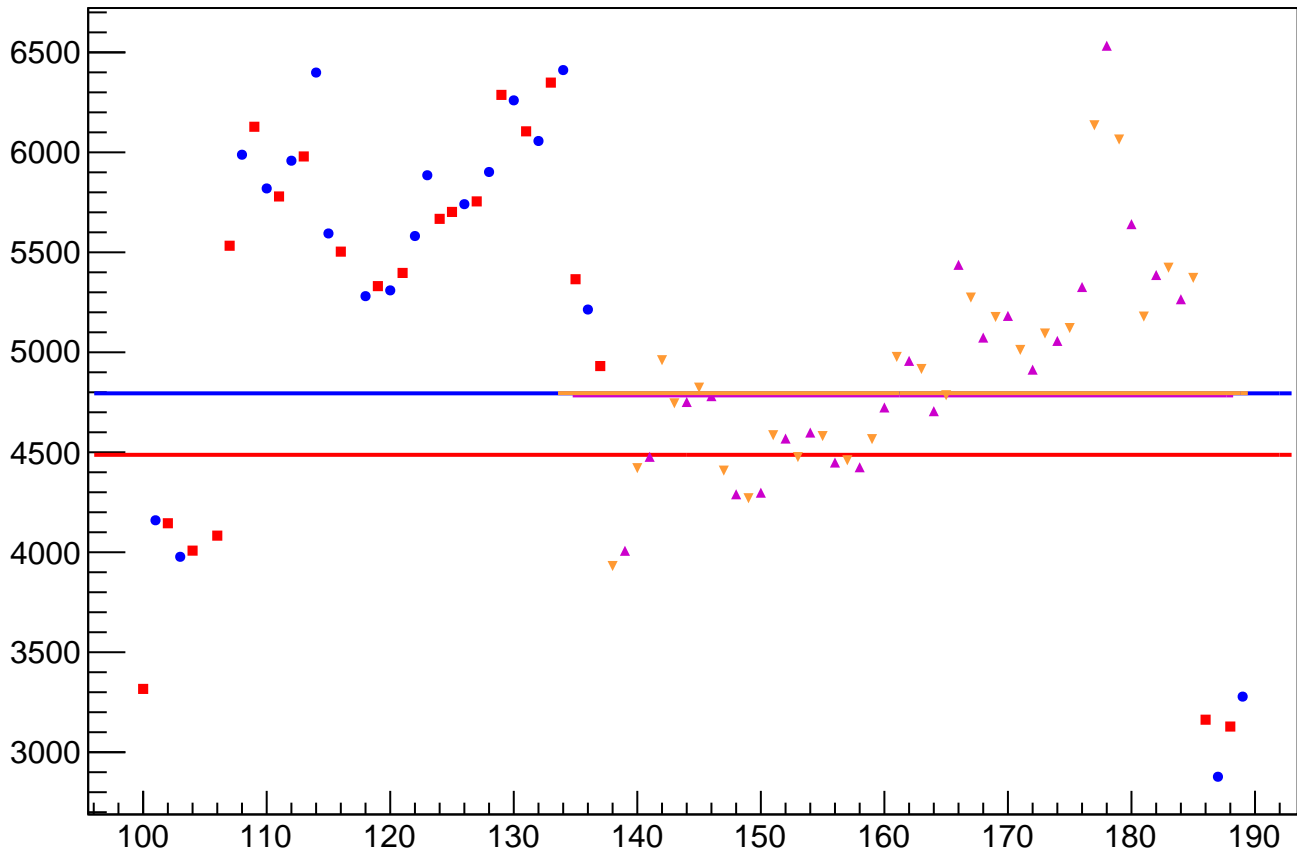
Left In: -2.501 \pm 1.156 χ^2 /NDF: 78.4/22

+ sign 0.202 \pm 0.956 χ^2 /NDF: 299.7/43

All: 0.044 \pm 0.669 χ^2 /NDF: 765.8/87

- sign -0.108 \pm 0.938 χ^2 /NDF: 466.0/43

diff_bpm0r05Y_rms vs Slug



Right In: 4794.768+/-1.284 χ^2 /NDF: 737472.6/18

Left Out: 4795.847+/-0.795 χ^2 /NDF:361249.7/24

+ sign 4795.548+/-0.676 χ^2 /NDF: 1098722.8/43

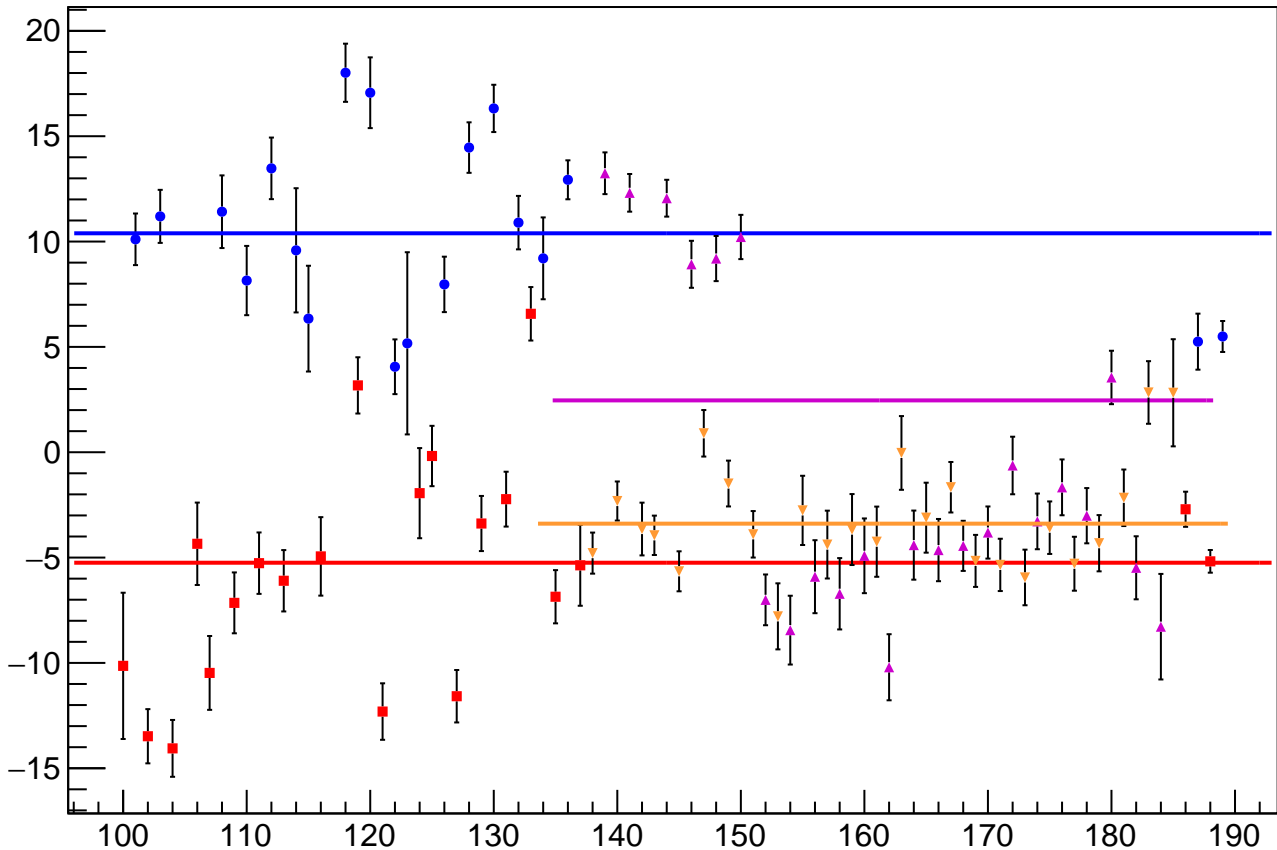
Right Out: 4487.250+/-1.133 χ^2 /NDF: 1083833.1/20

All: 4738.074+/-0.473 χ^2 /NDF: 2599494.0/87

Left In: 4784.434+/-0.817 χ^2 /NDF:357507.2/22

- sign 4682.751+/-0.663 χ^2 /NDF: 1486572.6/43

diff_bpm2i01X_mean vs Slug



Right In: 10.392 ± 0.304 $\chi^2/\text{NDF}: 191.6/18$

Left Out: -3.390 ± 0.252 $\chi^2/\text{NDF}: 77.7/24$

Right Out: -5.245 ± 0.271 $\chi^2/\text{NDF}: 310.2/20$

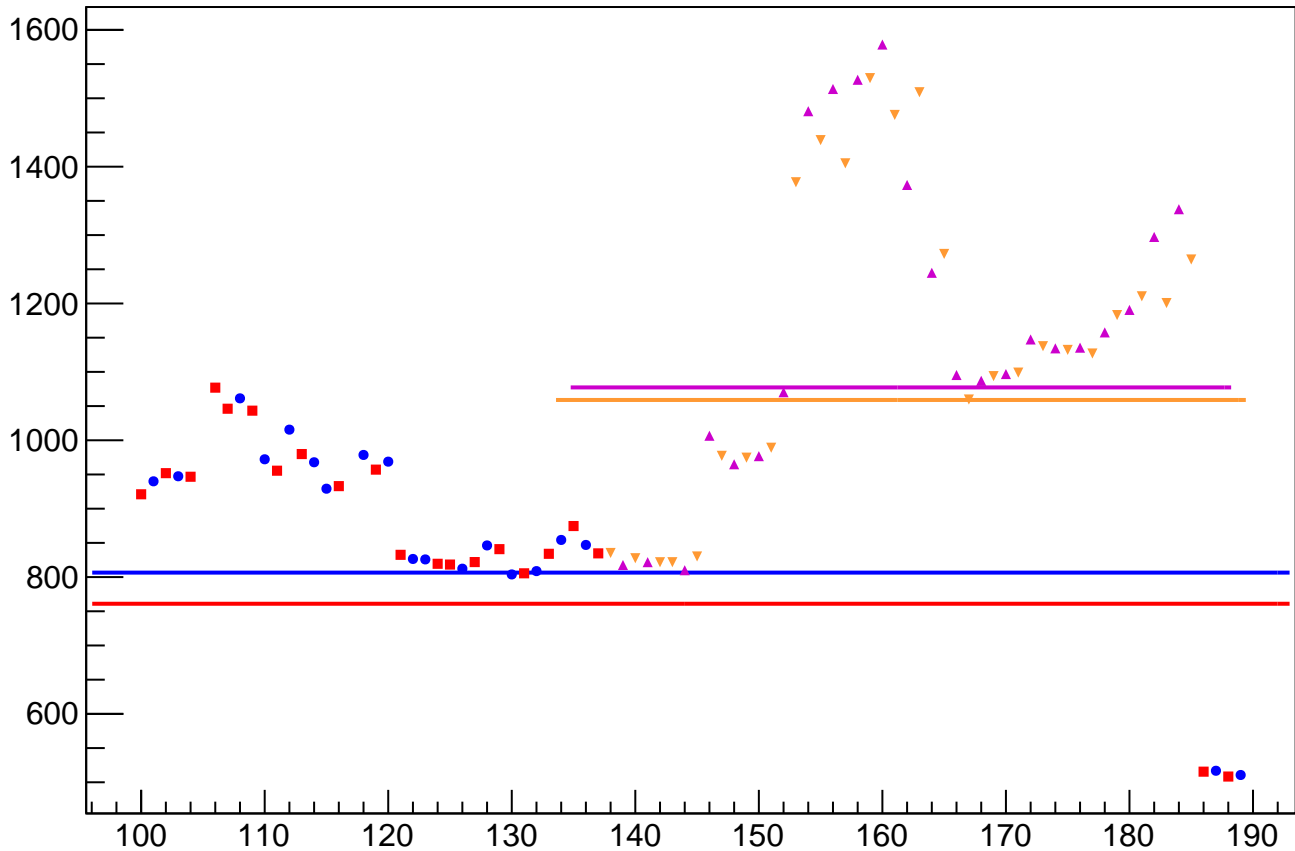
Left In: 2.461 ± 0.264 $\chi^2/\text{NDF}: 928.0/22$

+ sign 2.227 ± 0.194 $\chi^2/\text{NDF}: 1485.8/43$

All: 0.423 ± 0.136 $\chi^2/\text{NDF}: 3306.0/87$

- sign -1.292 ± 0.189 $\chi^2/\text{NDF}: 1651.9/43$

diff_bpm2i01X_rms vs Slug



Right In: 806.535 \pm 0.215 χ^2 /NDF: 640953.3/18

Left Out: 1058.941 \pm 0.178 χ^2 /NDF:1403222.2/24

Right Out: 761.007 \pm 0.192 χ^2 /NDF: 1073129.2/20

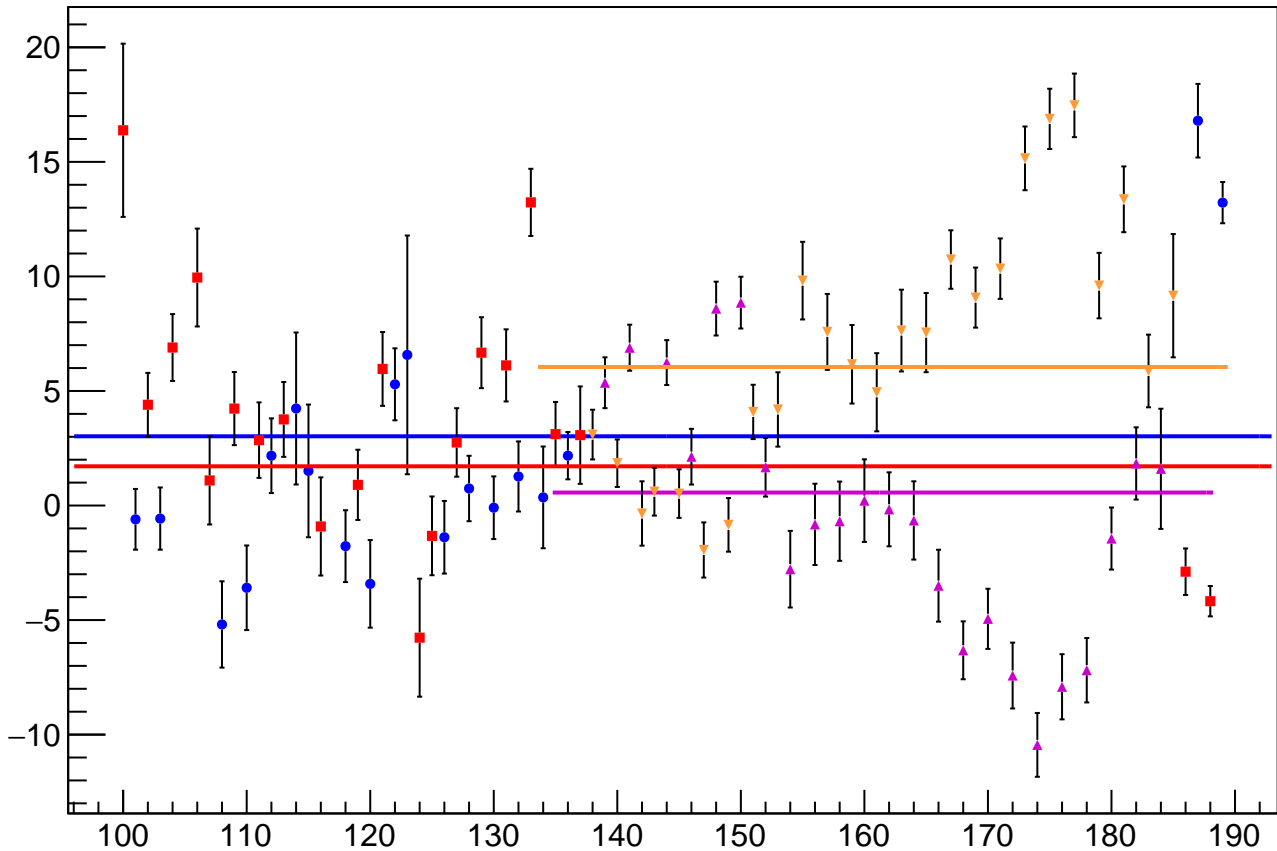
Left In: 1077.284 \pm 0.187 χ^2 /NDF:1280349.9/22

+ sign 956.075 \pm 0.137 χ^2 /NDF: 2860246.1/43

All: 939.252 \pm 0.096 χ^2 /NDF: 6637122.7/87

- sign 923.254 \pm 0.134 χ^2 /NDF: 3747584.8/43

diff_bpm2i01Y_mean vs Slug



Right In: 3.022 ± 0.353 $\chi^2/\text{NDF}: 291.2/18$

Left Out: 6.045 ± 0.272 $\chi^2/\text{NDF}: 430.8/24$

Right Out: 1.712 ± 0.318 $\chi^2/\text{NDF}: 252.6/20$

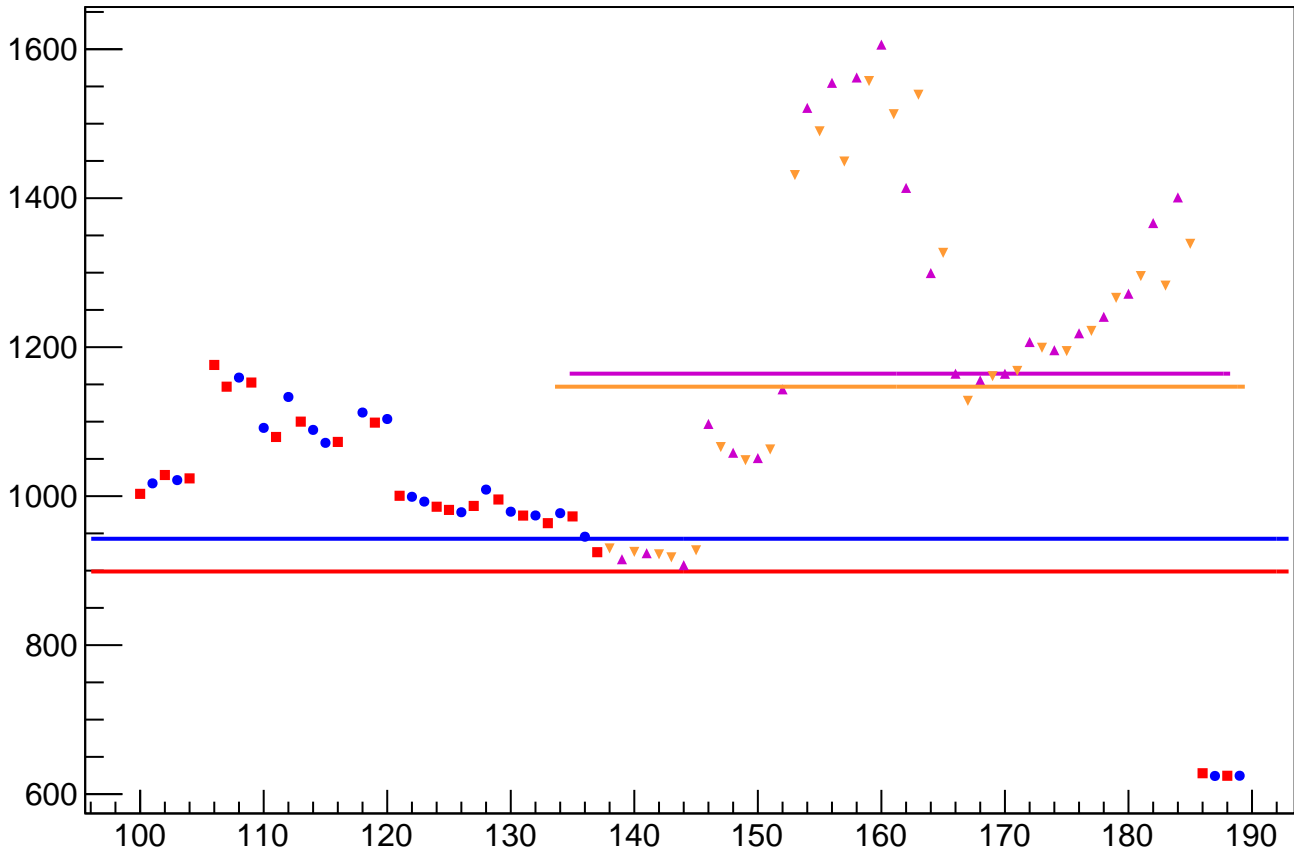
Left In: 0.566 ± 0.284 $\chi^2/\text{NDF}: 417.0/22$

+ sign 4.922 ± 0.215 $\chi^2/\text{NDF}: 768.0/43$

All: 2.966 ± 0.151 $\chi^2/\text{NDF}: 1607.1/87$

- sign 1.076 ± 0.212 $\chi^2/\text{NDF}: 676.8/43$

diff_bpm2i01Y_rms vs Slug



Right In: 942.788 \pm 0.250 χ^2 /NDF: 464447.5/18

Left Out: 1146.960 \pm 0.192 χ^2 /NDF: 1045761.4/24

Right Out: 898.861 \pm 0.225 χ^2 /NDF: 782313.4/20

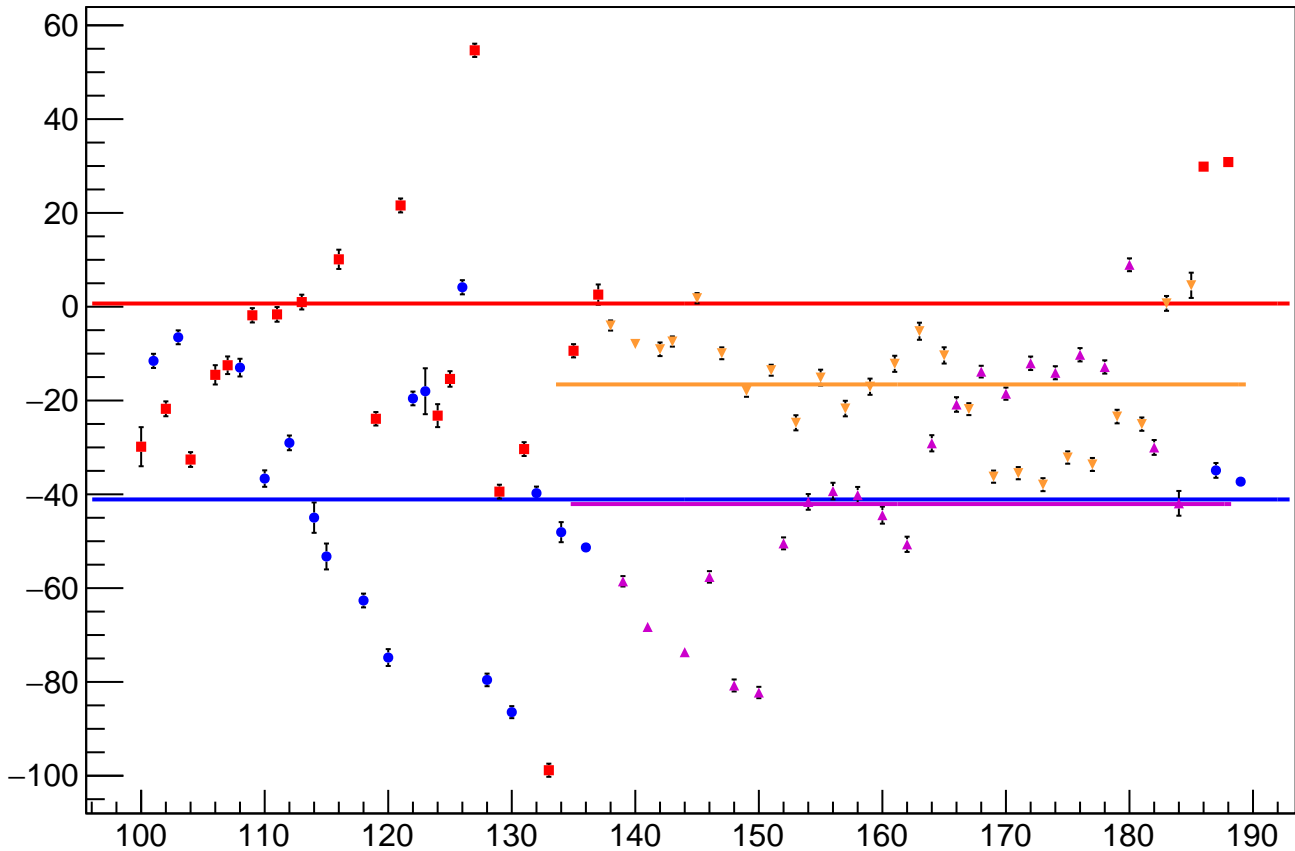
Left In: 1164.432 \pm 0.201 χ^2 /NDF: 944112.0/22

+ sign 1071.100 \pm 0.152 χ^2 /NDF: 1929921.9/43

All: 1058.522 \pm 0.107 χ^2 /NDF: 4446613.1/87

- sign 1046.363 \pm 0.150 χ^2 /NDF: 2503274.4/43

diff_bpm2i02X_mean vs Slug



Right In: -41.090 ± 0.346 $\chi^2/\text{NDF}: 5140.2/18$

Left Out: -16.567 ± 0.275 $\chi^2/\text{NDF}: 1931.2/24$

Right Out: 0.682 ± 0.309 $\chi^2/\text{NDF}: 12364.3/20$

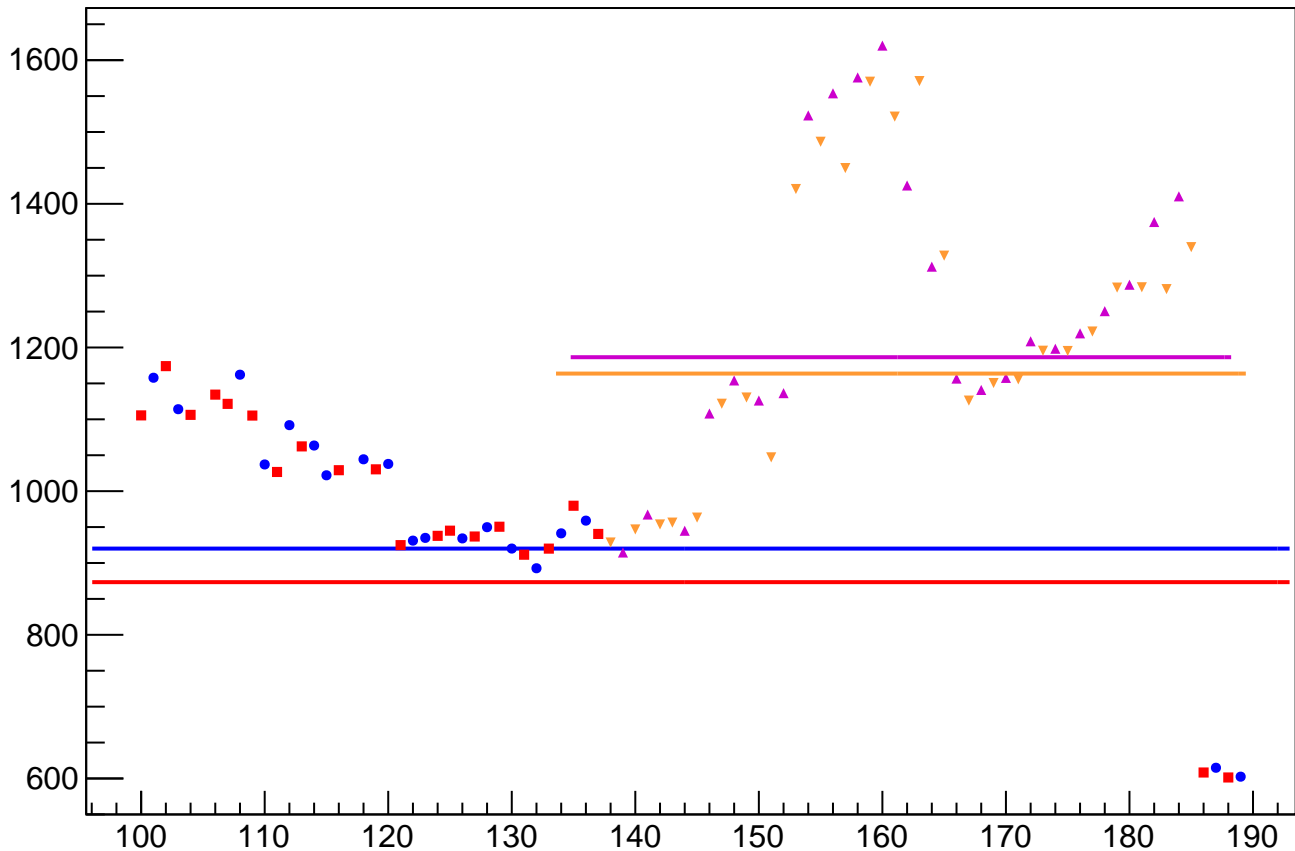
Left In: -42.077 ± 0.289 $\chi^2/\text{NDF}: 8332.3/22$

+ sign -26.088 ± 0.215 $\chi^2/\text{NDF}: 10152.9/43$

All: -24.075 ± 0.151 $\chi^2/\text{NDF}: 41222.5/87$

- sign -22.138 ± 0.211 $\chi^2/\text{NDF}: 30898.0/43$

diff_bpm2i02X_rms vs Slug



Right In: 920.047 \pm 0.244 χ^2 /NDF: 526724.1/18

Left Out: 1163.691 \pm 0.195 χ^2 /NDF:936079.1/24

Right Out: 873.320 \pm 0.219 χ^2 /NDF: 861522.4/20

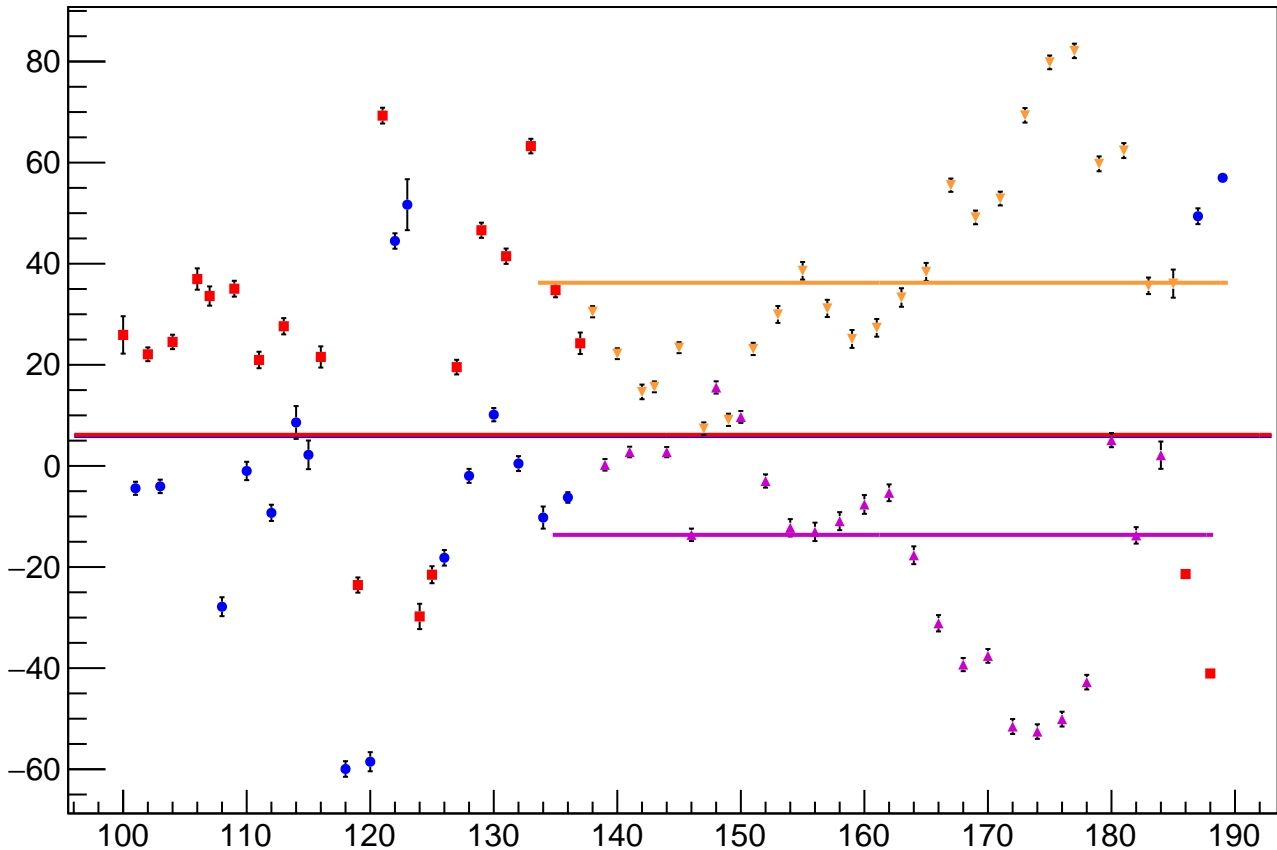
Left In: 1186.476 \pm 0.204 χ^2 /NDF:833420.3/22

+ sign 1069.100 \pm 0.152 χ^2 /NDF: 2071147.3/43

All: 1054.499 \pm 0.107 χ^2 /NDF: 4878478.7/87

- sign 1040.449 \pm 0.149 χ^2 /NDF: 2789281.4/43

diff_bpm2i02Y_mean vs Slug



Right In: 5.908 ± 0.346 $\chi^2/\text{NDF}: 8973.7/18$

Left Out: 36.234 ± 0.280 $\chi^2/\text{NDF}: 5794.2/24$

Right Out: 6.155 ± 0.310 $\chi^2/\text{NDF}: 13593.7/20$

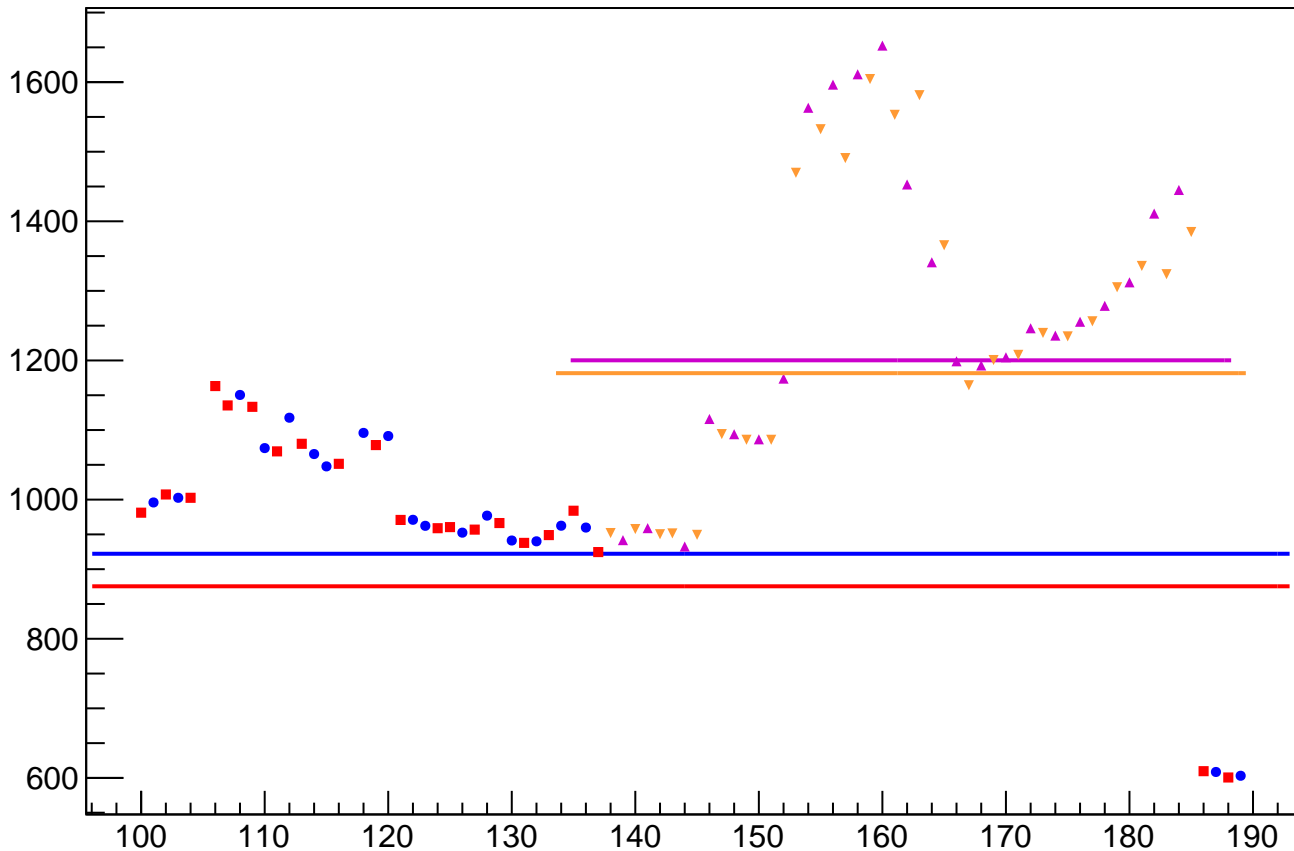
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 24.238 ± 0.218 $\chi^2/\text{NDF}: 19412.4/43$

All: 9.651 ± 0.152 $\chi^2/\text{NDF}: 49133.5/87$

- sign -4.302 ± 0.213 $\chi^2/\text{NDF}: 20927.8/43$

diff_bpm2i02Y_rms vs Slug



Right In: 922.176+/-0.245 χ^2/NDF : 496729.7/18

Left Out: 1181.732+/-0.198 χ^2/NDF : 1043520.8/24

Right Out: 875.414+/-0.219 χ^2/NDF : 844626.1/20

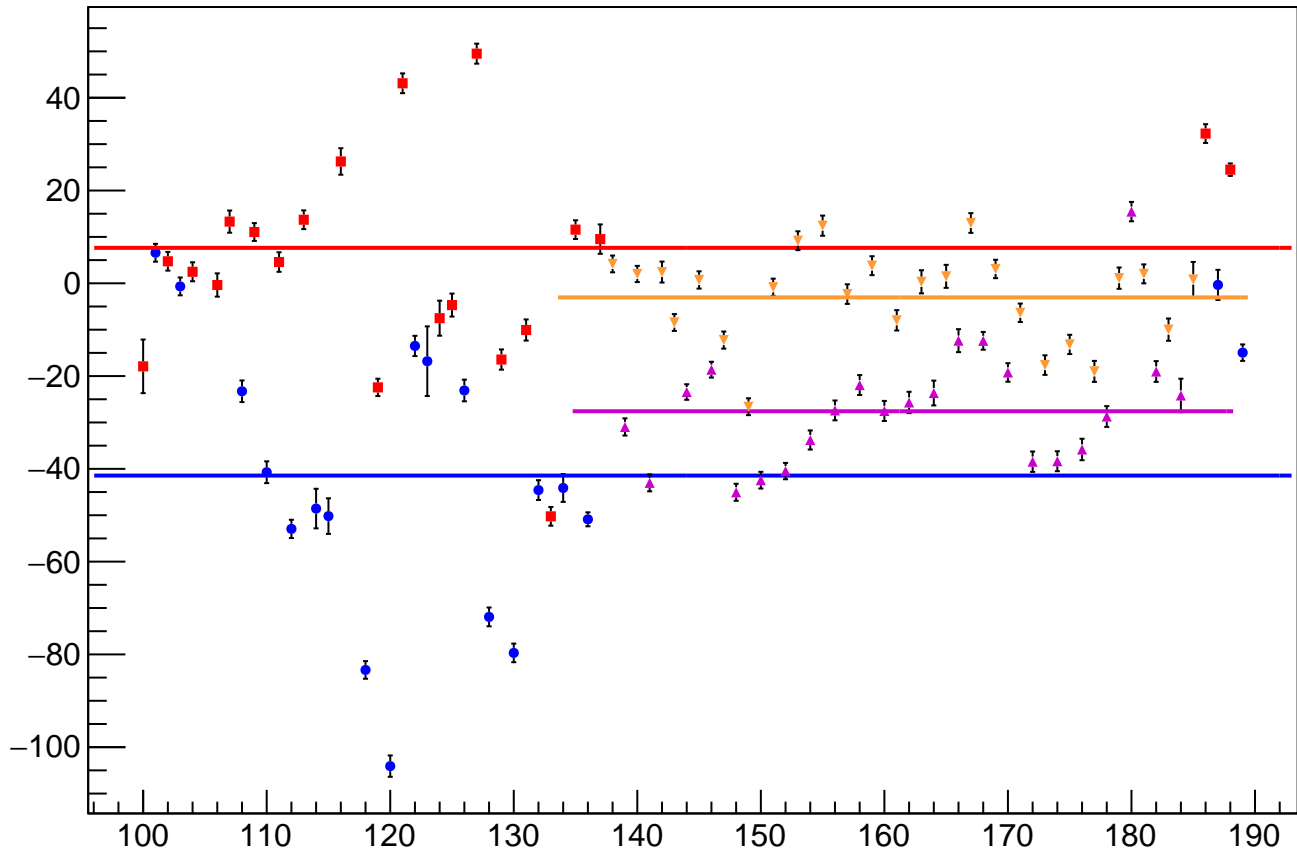
Left In: 1200.198+/-0.207 χ^2/NDF : 938224.7/22

+ sign 1079.059+/-0.154 χ^2/NDF : 2220696.6/43

All: 1062.664+/-0.108 χ^2/NDF : 5186698.6/87

- sign 1046.982+/-0.150 χ^2/NDF : 2943785.5/43

diff_bpm0i02X_mean vs Slug



Right In: -41.449 ± 0.511 $\chi^2/\text{NDF}: 3650.2/18$

Left Out: -3.037 ± 0.415 $\chi^2/\text{NDF}: 555.6/24$

Right Out: 7.644 ± 0.473 $\chi^2/\text{NDF}: 2373.7/20$

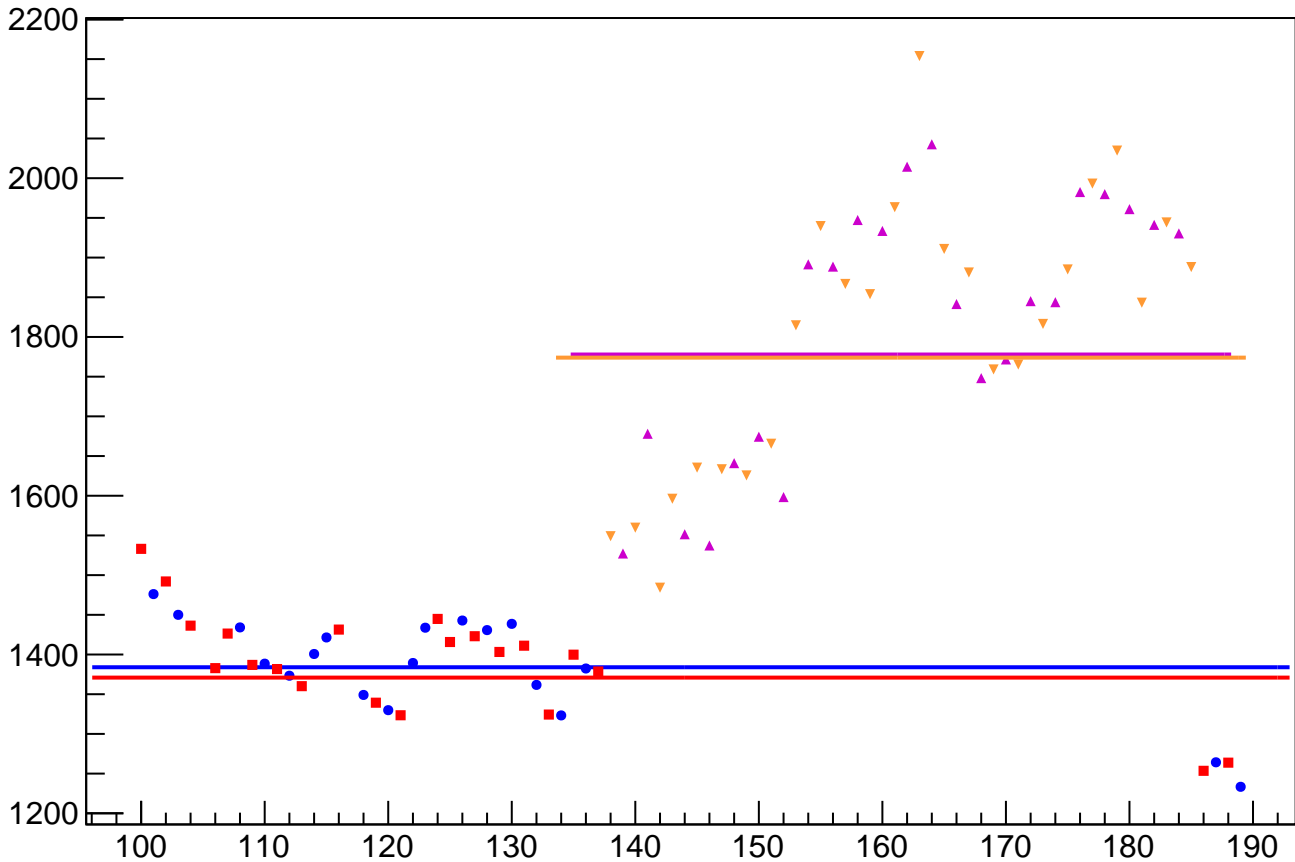
Left In: -27.583 ± 0.429 $\chi^2/\text{NDF}: 960.1/22$

+ sign -18.316 ± 0.322 $\chi^2/\text{NDF}: 7612.2/43$

All: -14.962 ± 0.226 $\chi^2/\text{NDF}: 14200.5/87$

- sign -11.696 ± 0.318 $\chi^2/\text{NDF}: 6374.2/43$

diff_bpm0i02X_rms vs Slug



Right In: 1383.961 \pm 0.361 χ^2 /NDF: 31983.5/18

Left Out: 1773.965 \pm 0.294 χ^2 /NDF: 313031.1/24

Right Out: 1370.923 \pm 0.335 χ^2 /NDF: 39355.3/20

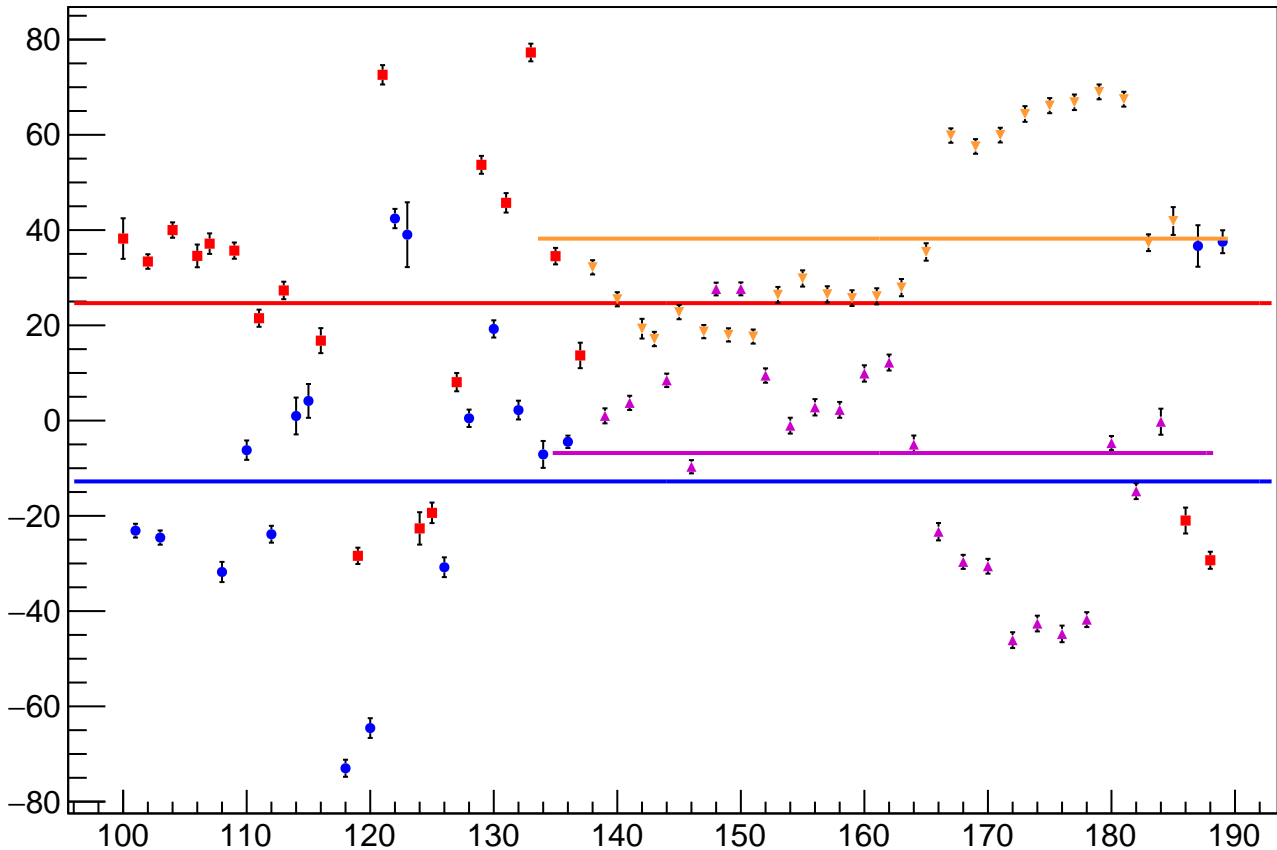
Left In: 1777.884 \pm 0.303 χ^2 /NDF: 299514.0/22

+ sign 1618.835 \pm 0.228 χ^2 /NDF: 1047317.3/43

All: 1606.428 \pm 0.160 χ^2 /NDF: 2203650.3/87

- sign 1594.345 \pm 0.225 χ^2 /NDF: 1150476.6/43

diff_bpm0i02Y_mean vs Slug



Right In: -12.772 ± 0.461 $\chi^2/\text{NDF}: 3939.6/18$

Left Out: 38.206 ± 0.323 $\chi^2/\text{NDF}: 3514.2/24$

Right Out: 24.661 ± 0.437 $\chi^2/\text{NDF}: 4828.2/20$

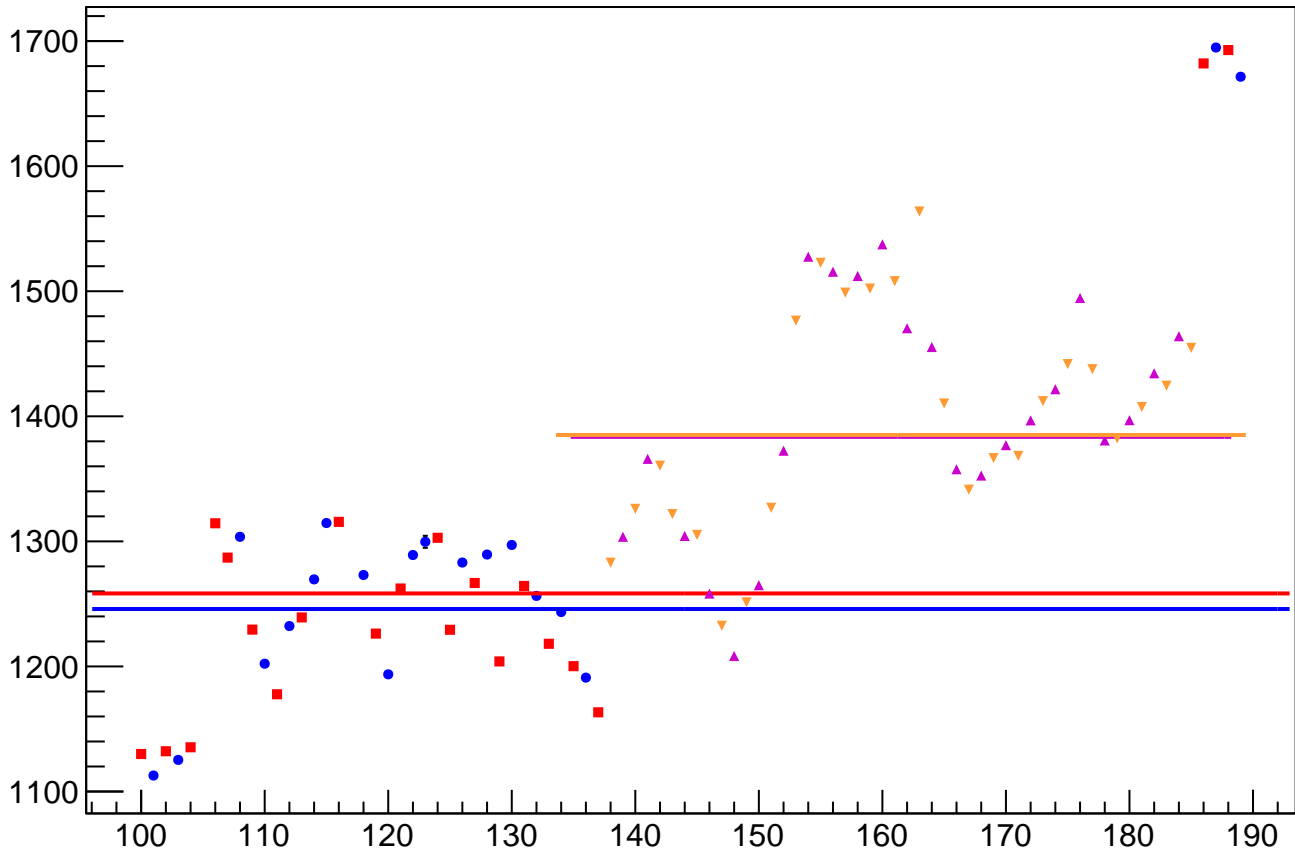
Left In: -6.808 ± 0.333 $\chi^2/\text{NDF}: 4494.5/22$

+ sign 21.415 ± 0.265 $\chi^2/\text{NDF}: 15639.5/43$

All: 13.085 ± 0.187 $\chi^2/\text{NDF}: 30222.7/87$

- sign 4.752 ± 0.265 $\chi^2/\text{NDF}: 12603.8/43$

diff_bpm0i02Y_rms vs Slug



Right In: 1245.916 \pm 0.326 χ^2 /NDF: 126696.0/18

Left Out: 1385.063 \pm 0.229 χ^2 /NDF: 146001.5/24

Right Out: 1258.374 \pm 0.309 χ^2 /NDF: 209248.1/20

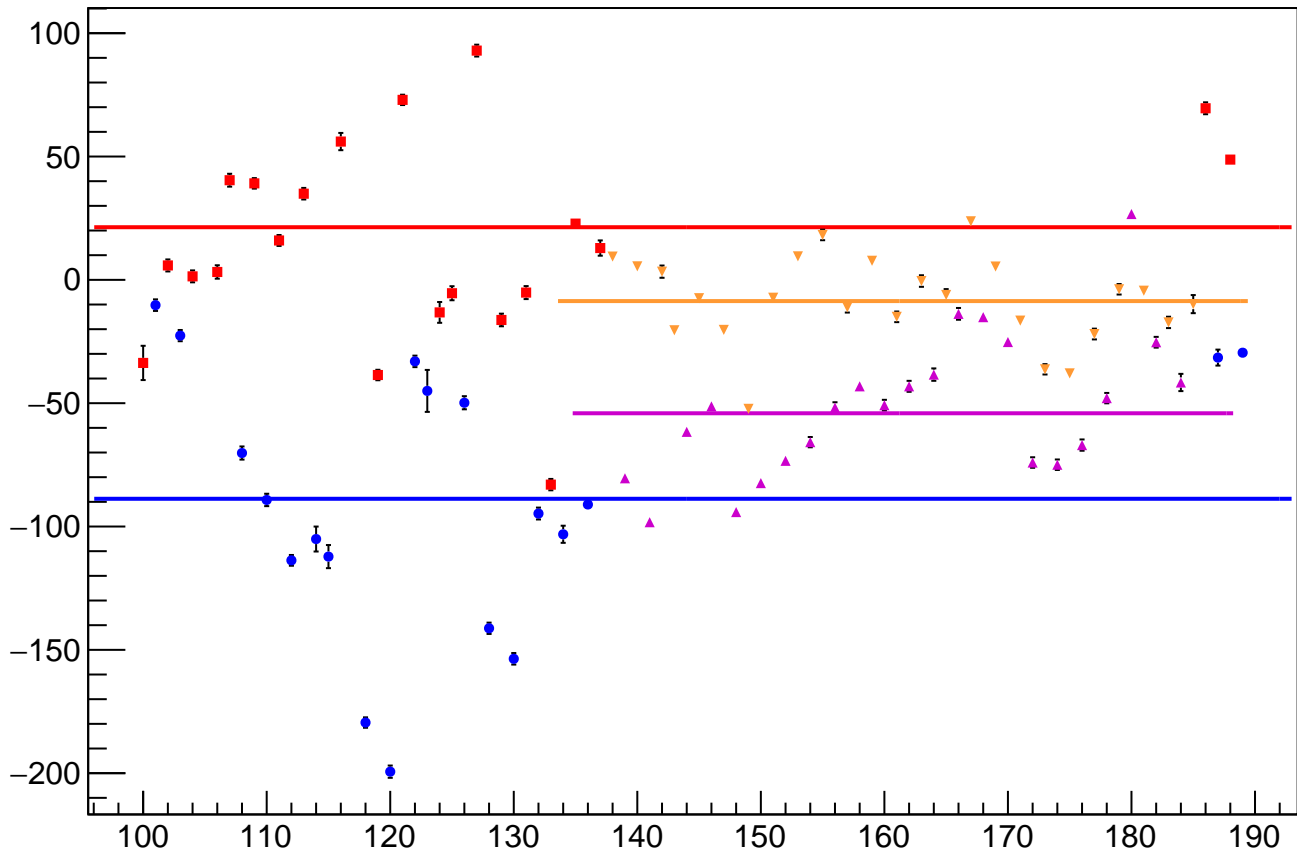
Left In: 1383.558 \pm 0.235 χ^2 /NDF: 154696.0/22

+ sign 1339.232 \pm 0.187 χ^2 /NDF: 394668.8/43

All: 1338.401 \pm 0.132 χ^2 /NDF: 862493.2/87

- sign 1337.570 \pm 0.187 χ^2 /NDF: 467785.0/43

diff_bpm0i02aX_mean vs Slug



Right In: -88.752 ± 0.561 $\chi^2/\text{NDF}: 9571.0/18$

Left Out: -8.606 ± 0.410 $\chi^2/\text{NDF}: 1930.5/24$

Right Out: 21.339 ± 0.522 $\chi^2/\text{NDF}: 6087.7/20$

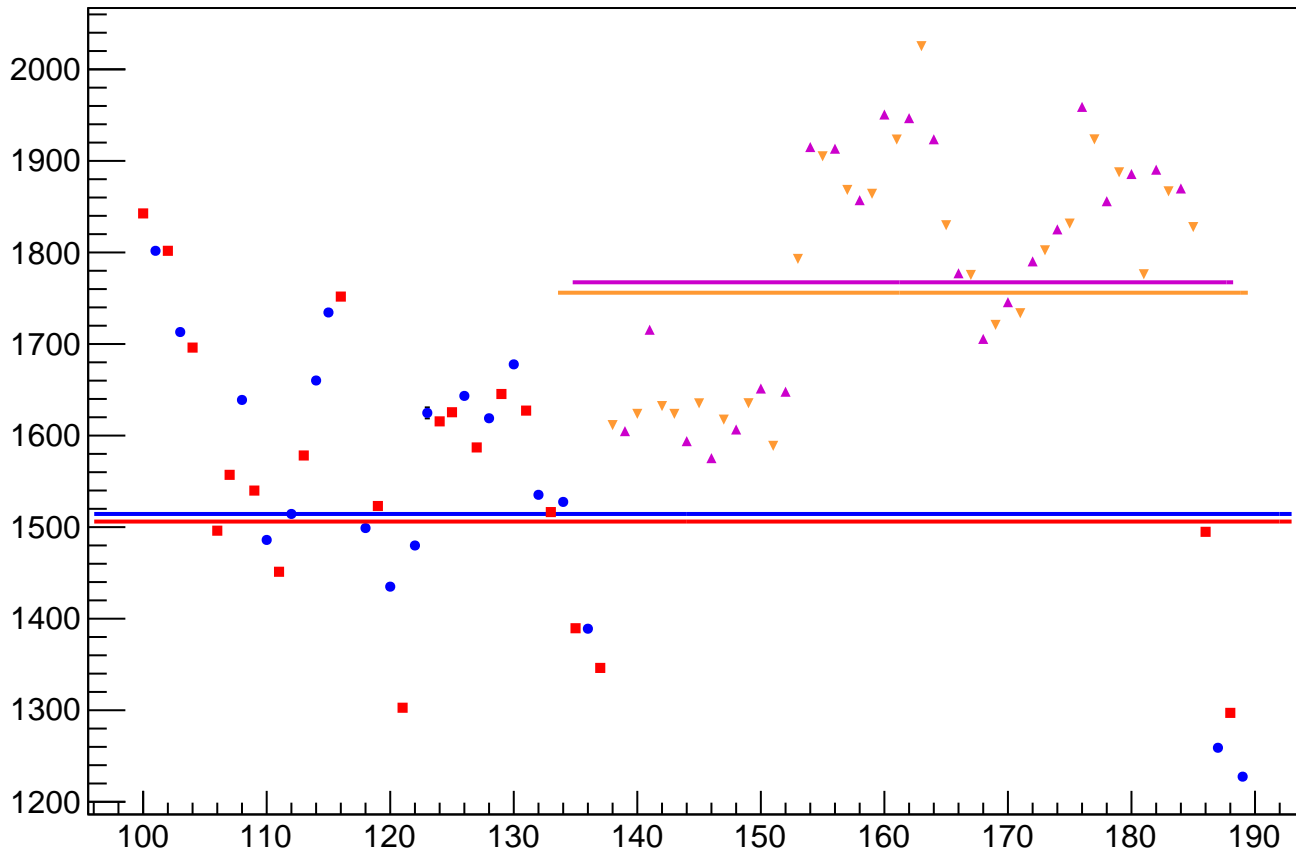
Left In: -54.089 ± 0.426 $\chi^2/\text{NDF}: 4721.6/22$

+ sign -36.500 ± 0.331 $\chi^2/\text{NDF}: 24786.9/43$

All: -30.207 ± 0.234 $\chi^2/\text{NDF}: 48857.3/87$

- sign -23.964 ± 0.330 $\chi^2/\text{NDF}: 23351.3/43$

diff_bpm0i02aX_rms vs Slug



Right In: 1514.383+/-0.397 χ^2 /NDF: 156387.2/18

Left Out: 1756.034+/-0.290 χ^2 /NDF:175762.3/24

Right Out: 1506.087+/-0.369 χ^2 /NDF: 155410.4/20

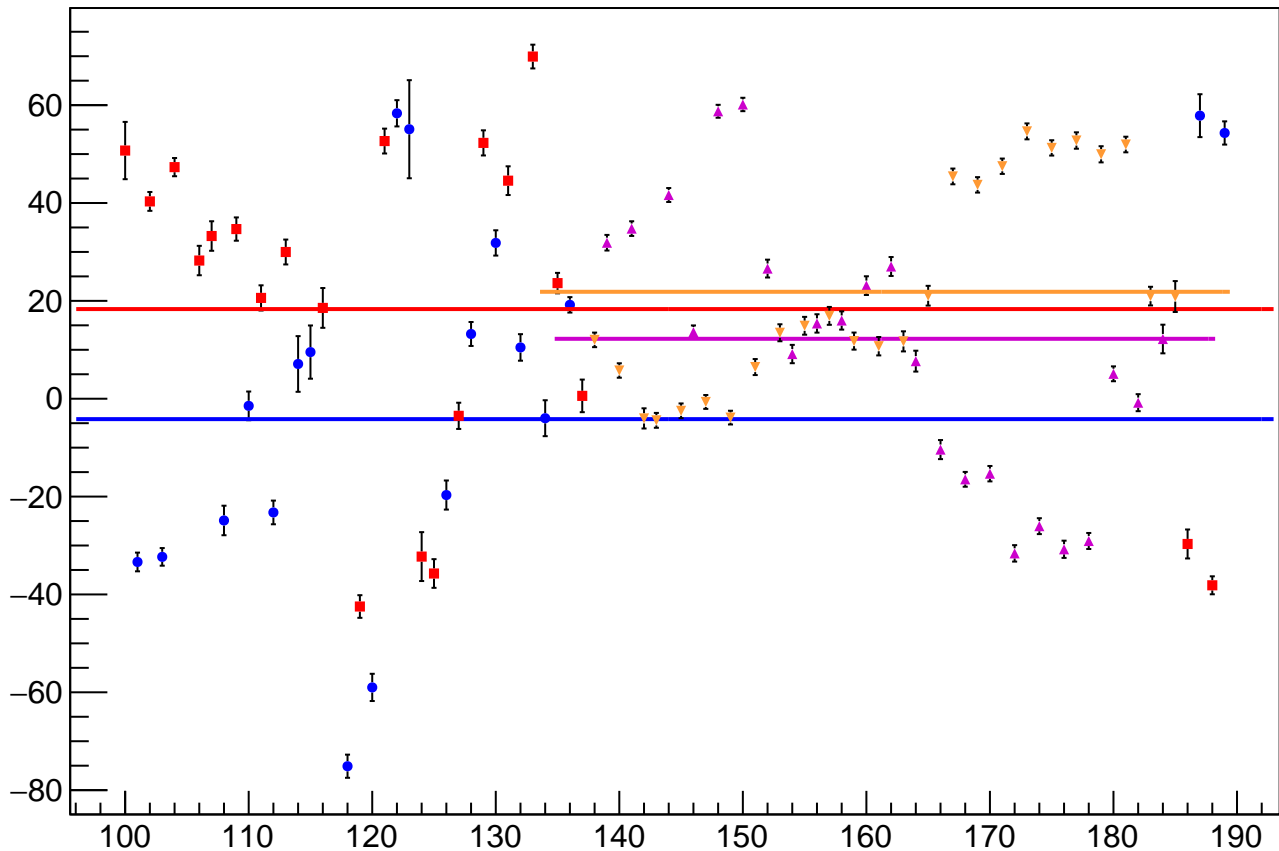
Left In: 1767.410+/-0.301 χ^2 /NDF:187958.2/22

+ sign 1671.929+/-0.234 χ^2 /NDF: 573701.1/43

All: 1667.468+/-0.165 χ^2 /NDF: 1218875.6/87

- sign 1663.044+/-0.233 χ^2 /NDF: 644452.0/43

diff_bpm0i02aY_mean vs Slug



Right In: -4.171 ± 0.601 χ^2/NDF : 3788.3/18

Left Out: 21.856 ± 0.335 χ^2/NDF : 4110.5/24

Right Out: 18.322 ± 0.563 χ^2/NDF : 3838.9/20

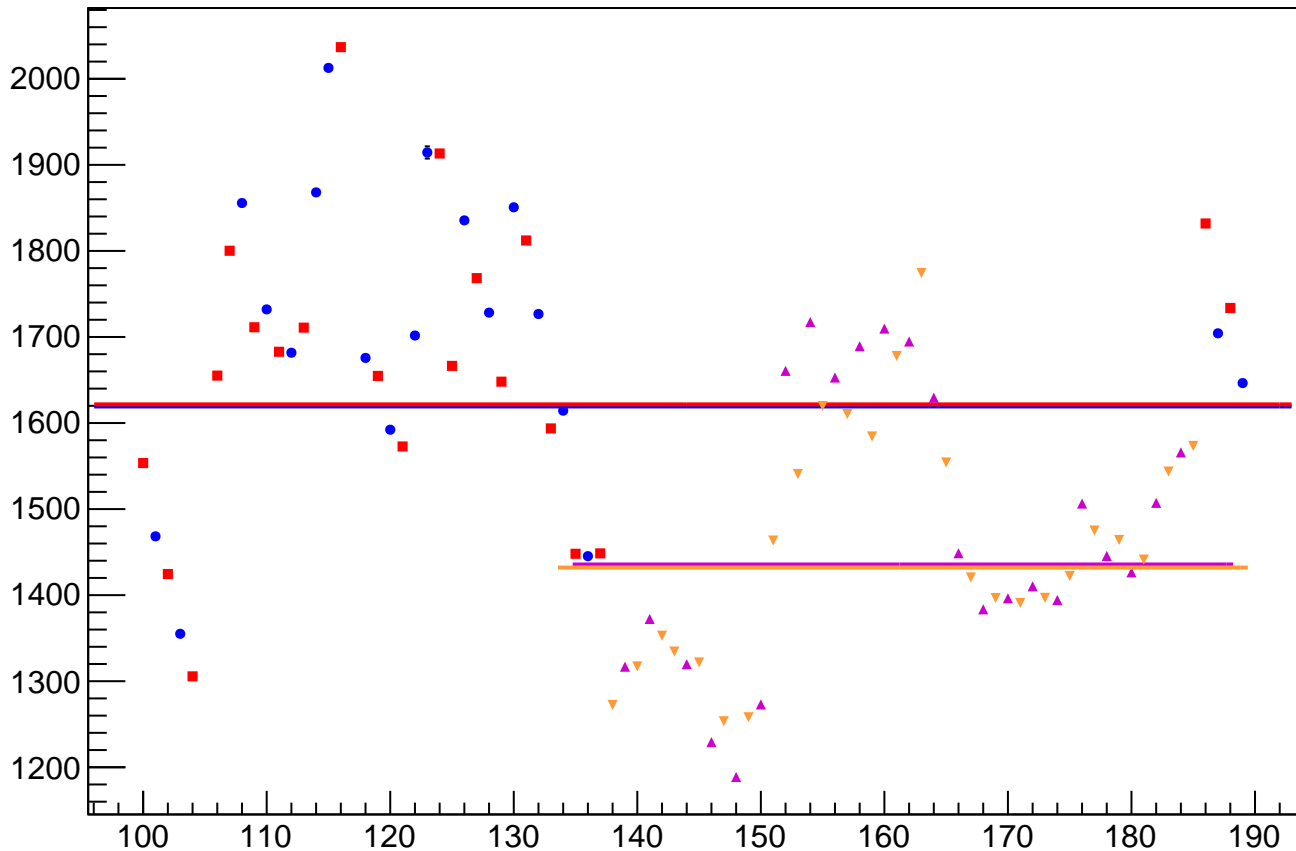
Left In: 12.246 ± 0.347 χ^2/NDF : 6781.6/22

+ sign 15.675 ± 0.293 χ^2/NDF : 9329.6/43

All: 14.805 ± 0.208 χ^2/NDF : 20052.4/87

- sign 13.919 ± 0.295 χ^2/NDF : 10704.9/43

diff_bpm0i02aY_rms vs Slug



Right In: 1619.263+/-0.425 χ^2 /NDF: 150270.4/18

Left Out: 1432.060+/-0.237 χ^2 /NDF: 297360.3/24

Right Out: 1621.677+/-0.398 χ^2 /NDF: 173431.8/20

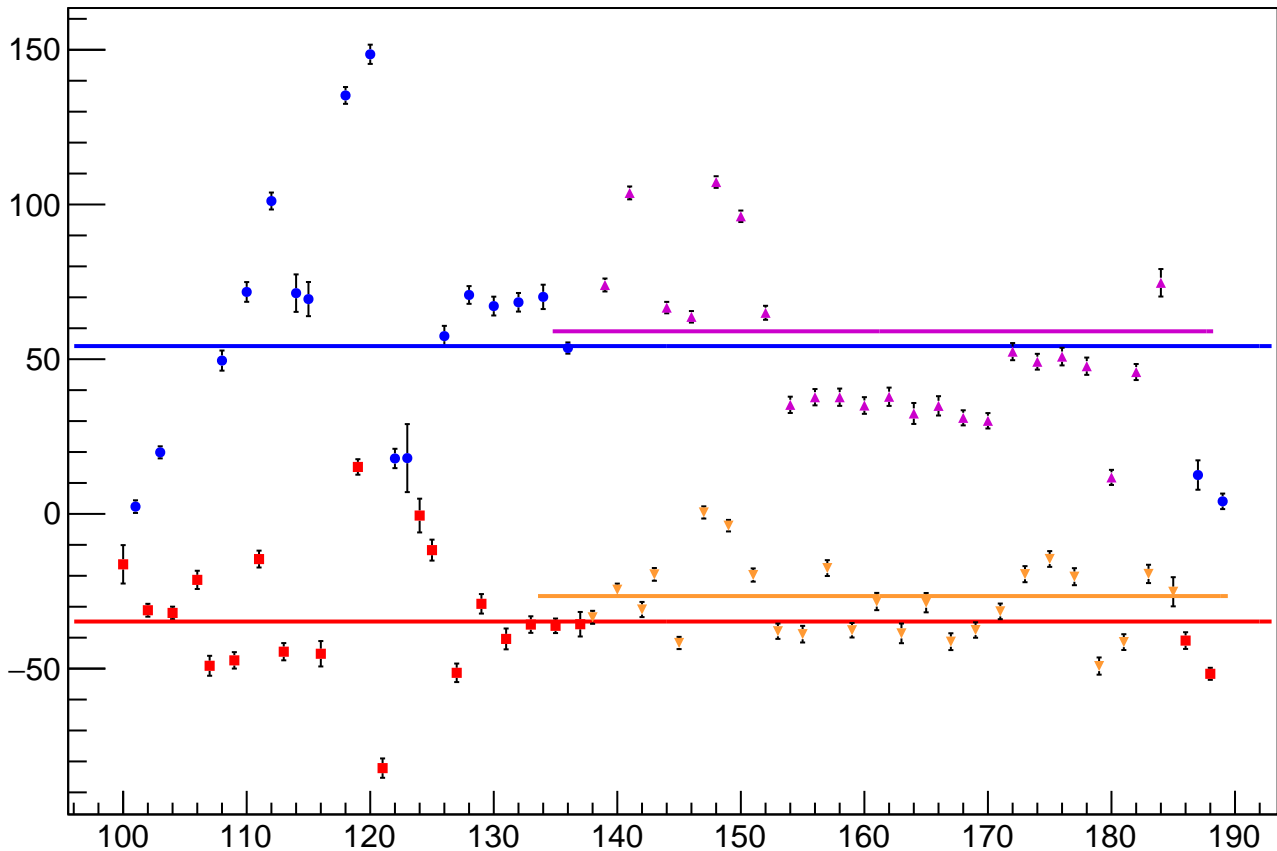
Left In: 1435.645+/-0.245 χ^2 /NDF: 420835.0/22

+ sign 1476.519+/-0.207 χ^2 /NDF: 595673.4/43

All: 1481.646+/-0.147 χ^2 /NDF: 1349402.6/87

- sign 1486.866+/-0.209 χ^2 /NDF: 752491.6/43

diff_bpm0i05X_mean vs Slug



Right In: 54.239 ± 0.668 $\chi^2/\text{NDF}: 3817.5/18$

Left Out: -26.554 ± 0.488 $\chi^2/\text{NDF}: 717.5/24$

Right Out: -34.784 ± 0.615 $\chi^2/\text{NDF}: 981.4/20$

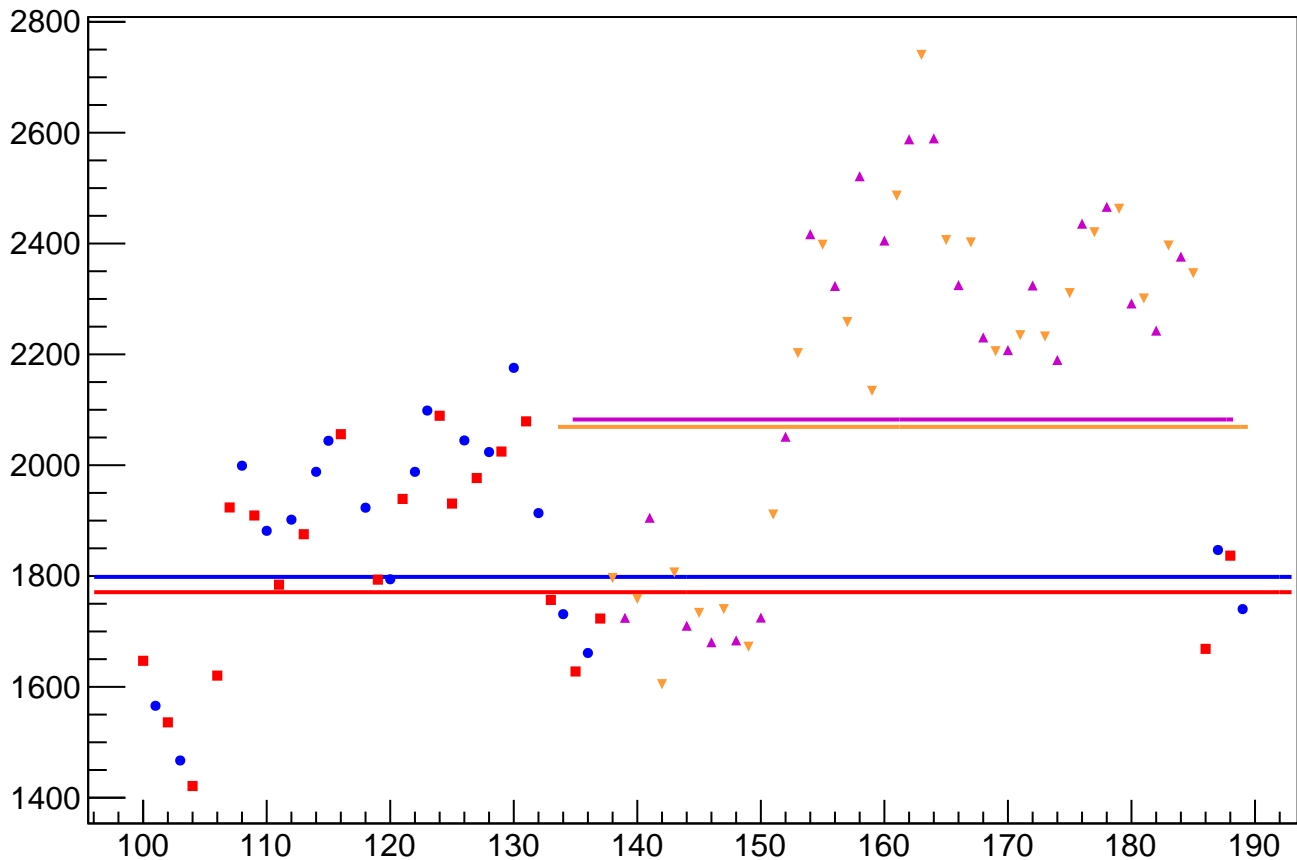
Left In: 59.014 ± 0.506 $\chi^2/\text{NDF}: 2783.8/22$

+ sign 1.552 ± 0.394 $\chi^2/\text{NDF}: 14075.8/43$

All: 11.398 ± 0.277 $\chi^2/\text{NDF}: 32950.6/87$

- sign 21.090 ± 0.391 $\chi^2/\text{NDF}: 17635.4/43$

diff_bpm0i05X_rms vs Slug



Right In: 1798.447+/-0.472 χ^2 /NDF: 184886.6/18

Left Out: 2069.146+/-0.345 χ^2 /NDF: 799037.9/24

Right Out: 1770.860+/-0.435 χ^2 /NDF: 182993.0/20

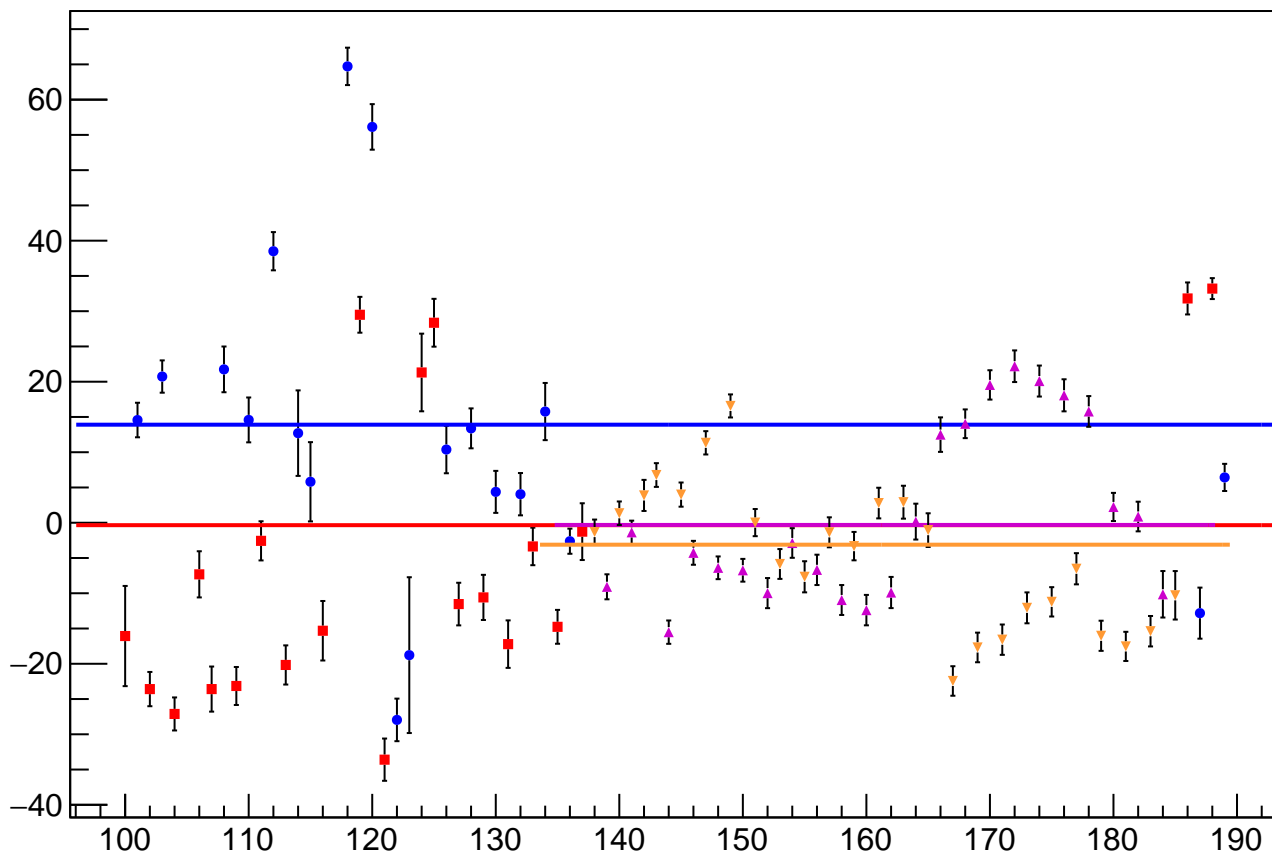
Left In: 2082.497+/-0.358 χ^2 /NDF: 785304.0/22

+ sign 1974.975+/-0.279 χ^2 /NDF: 1198133.9/43

All: 1965.663+/-0.196 χ^2 /NDF: 2474862.0/87

- sign 1956.497+/-0.276 χ^2 /NDF: 1274510.9/43

diff_bpm0i05Y_mean vs Slug



Right In: 13.905+/-0.665 χ^2 /NDF: 1016.2/18

Left Out: -3.112+/-0.404 χ^2 /NDF:643.7/24

Right Out: -0.345+/-0.606 χ^2 /NDF: 1566.2/20

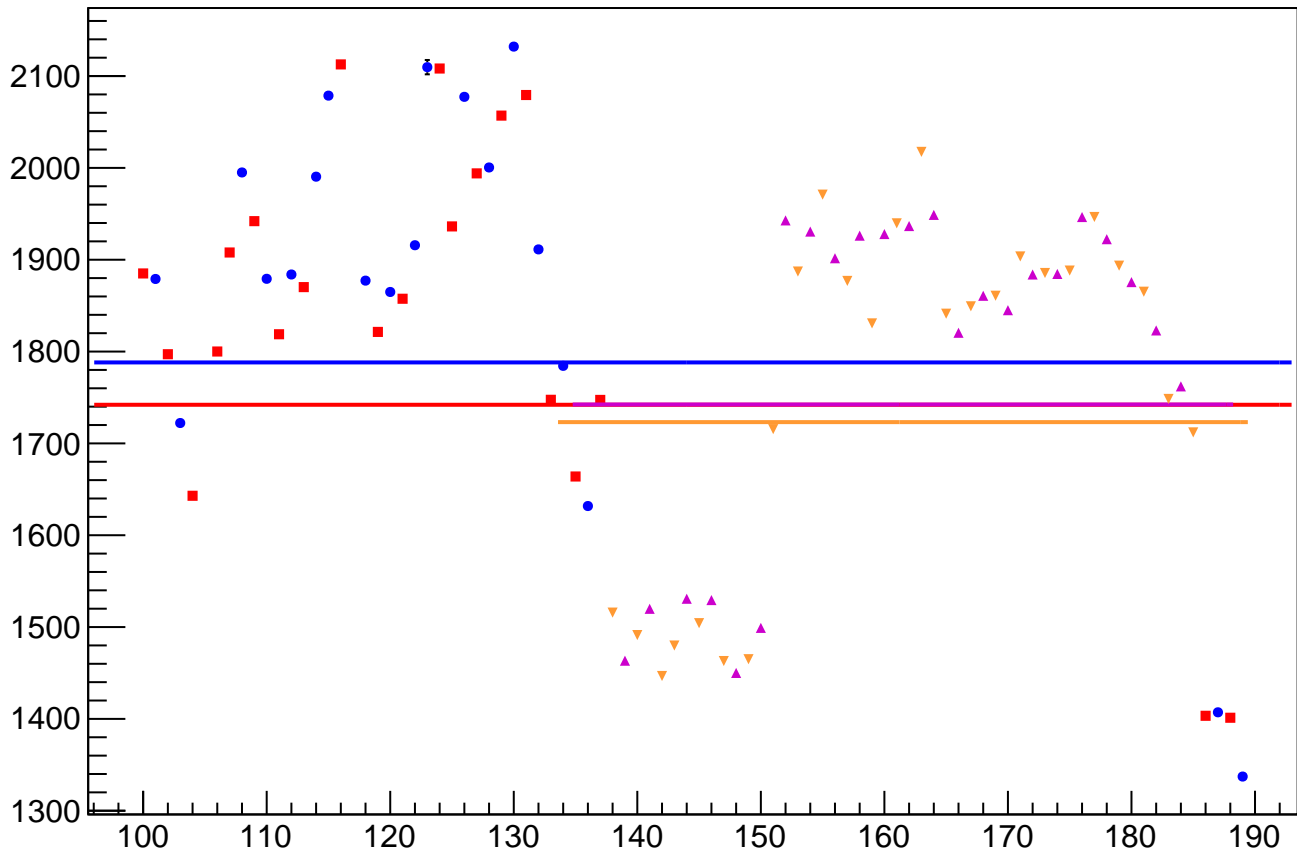
Left In: -0.312+/-0.421 χ^2 /NDF:736.5/22

+ sign 1.478+/-0.345 χ^2 /NDF: 2138.0/43

All: 0.579+/-0.244 χ^2 /NDF: 4454.3/87

- sign -0.323+/-0.346 χ^2 /NDF: 2302.7/43

diff_bpm0i05Y_rms vs Slug



Right In: 1788.167+/-0.470 χ^2 /NDF: 236183.9/18

Left Out: 1723.168+/-0.286 χ^2 /NDF:477441.1/24

Right Out: 1742.061+/-0.429 χ^2 /NDF: 269362.6/20

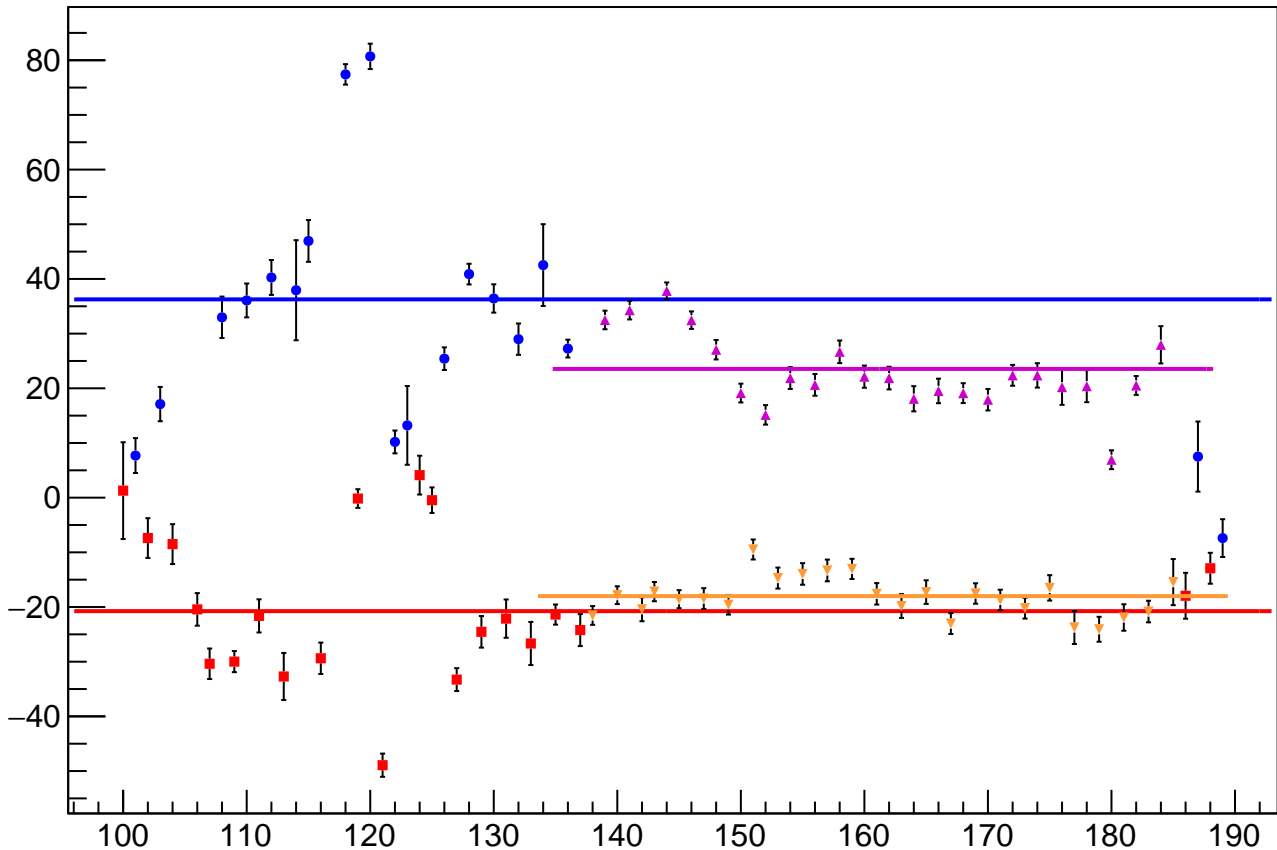
Left In: 1742.354+/-0.298 χ^2 /NDF:435841.5/22

+ sign 1740.702+/-0.244 χ^2 /NDF: 727573.4/43

All: 1741.479+/-0.173 χ^2 /NDF: 1432798.0/87

- sign 1742.258+/-0.245 χ^2 /NDF: 705204.4/43

diff_bpm0i07X_mean vs Slug



Right In: 36.264 ± 0.625 $\chi^2/\text{NDF}: 1395.1/18$

Left Out: -18.007 ± 0.397 $\chi^2/\text{NDF}: 73.8/24$

Right Out: -20.754 ± 0.590 $\chi^2/\text{NDF}: 578.7/20$

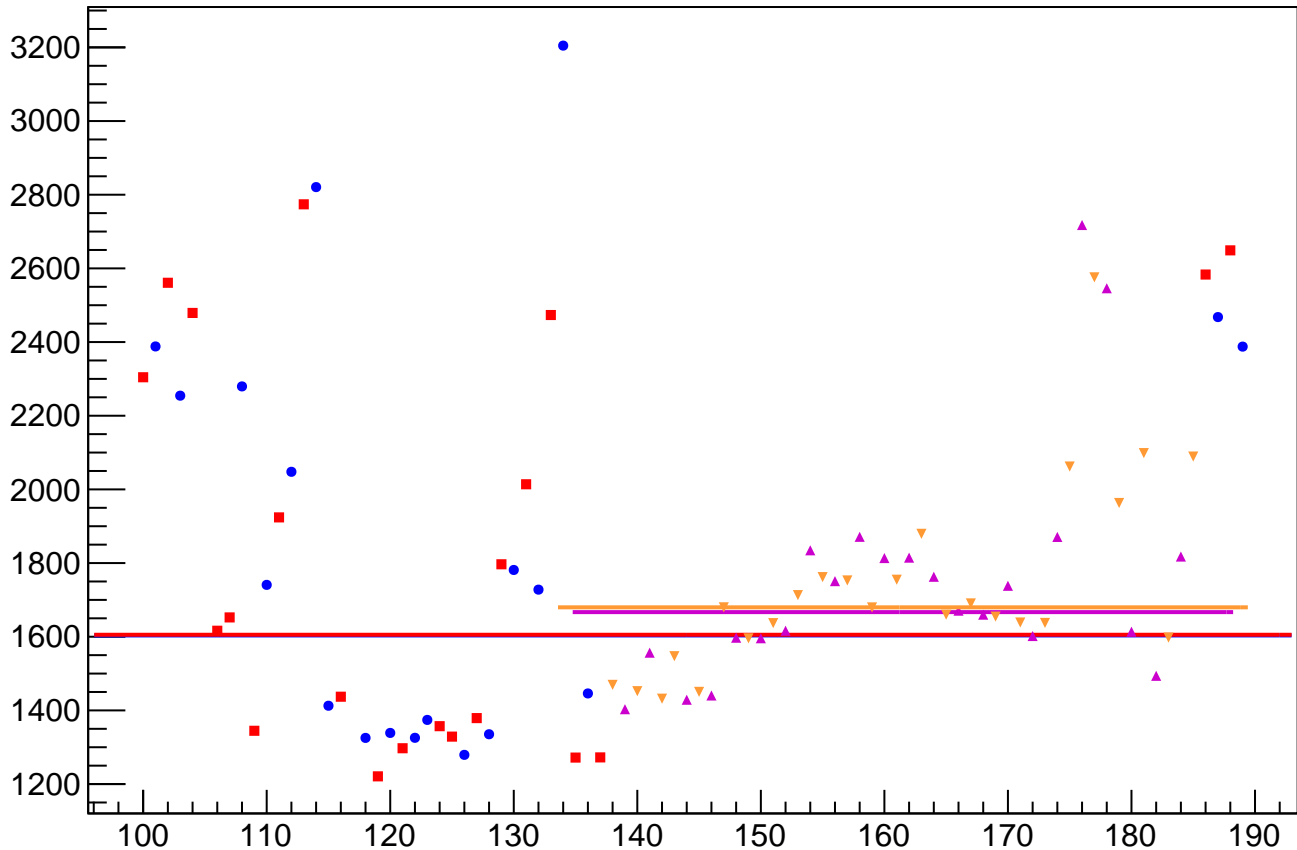
Left In: 23.544 ± 0.406 $\chi^2/\text{NDF}: 346.7/22$

+ sign -2.427 ± 0.335 $\chi^2/\text{NDF}: 6842.2/43$

All: 3.460 ± 0.237 $\chi^2/\text{NDF}: 12212.5/87$

- sign 9.323 ± 0.334 $\chi^2/\text{NDF}: 4753.7/43$

diff_bpm0i07X_rms vs Slug



Right In: 1603.549+/-0.442 χ^2 /NDF: 813545.1/18

Left Out: 1679.814+/-0.281 χ^2 /NDF:522795.6/24

+ sign 1657.920+/-0.237 χ^2 /NDF: 1357563.0/43

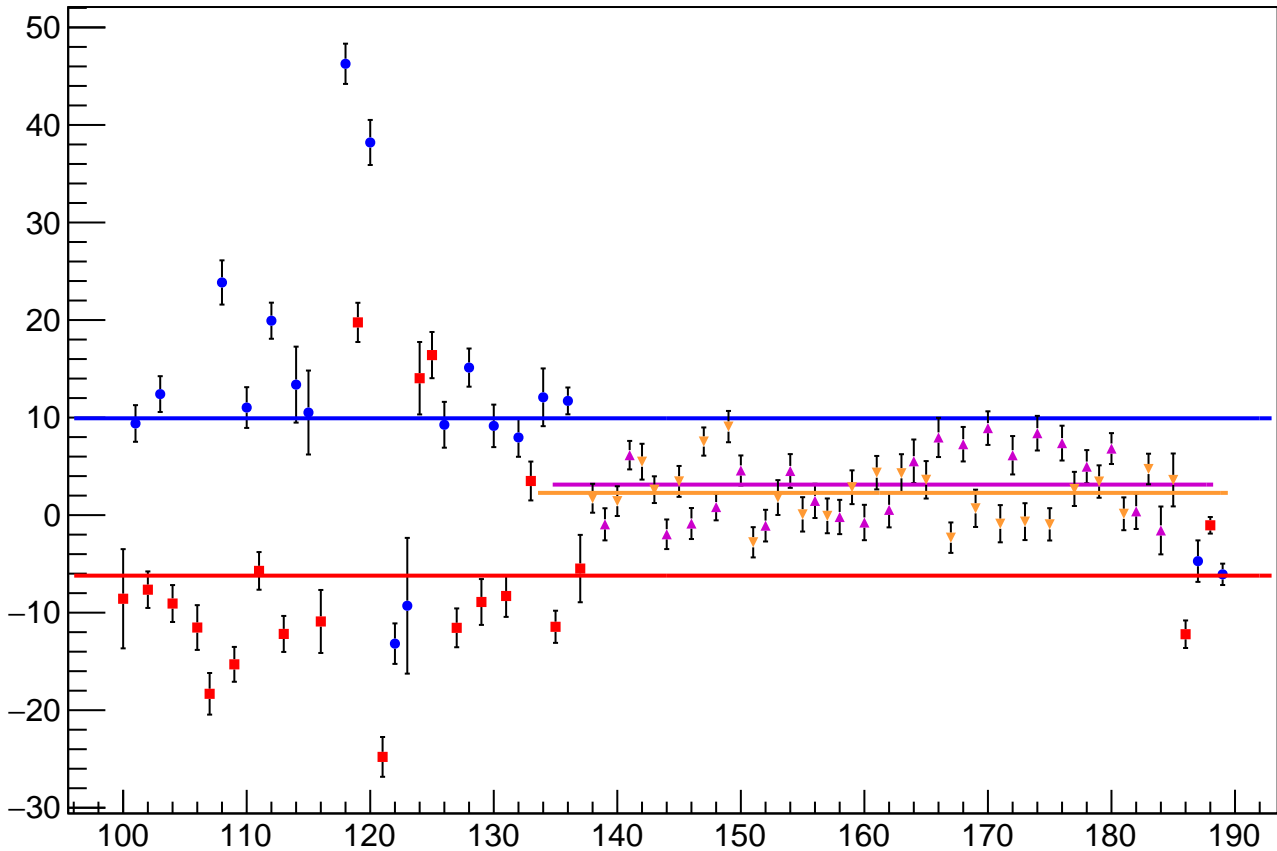
Right Out: 1605.369+/-0.417 χ^2 /NDF: 1289252.4/20

All: 1652.495+/-0.167 χ^2 /NDF: 3313586.7/87

Left In: 1666.819+/-0.287 χ^2 /NDF:650990.8/22

- sign 1647.091+/-0.236 χ^2 /NDF: 1954976.3/43

diff_bpm0i07Y_mean vs Slug



Right In: 9.927 ± 0.461 $\chi^2/\text{NDF}: 932.6/18$

Left Out: 2.280 ± 0.338 $\chi^2/\text{NDF}: 75.6/24$

Right Out: -6.204 ± 0.409 $\chi^2/\text{NDF}: 548.3/20$

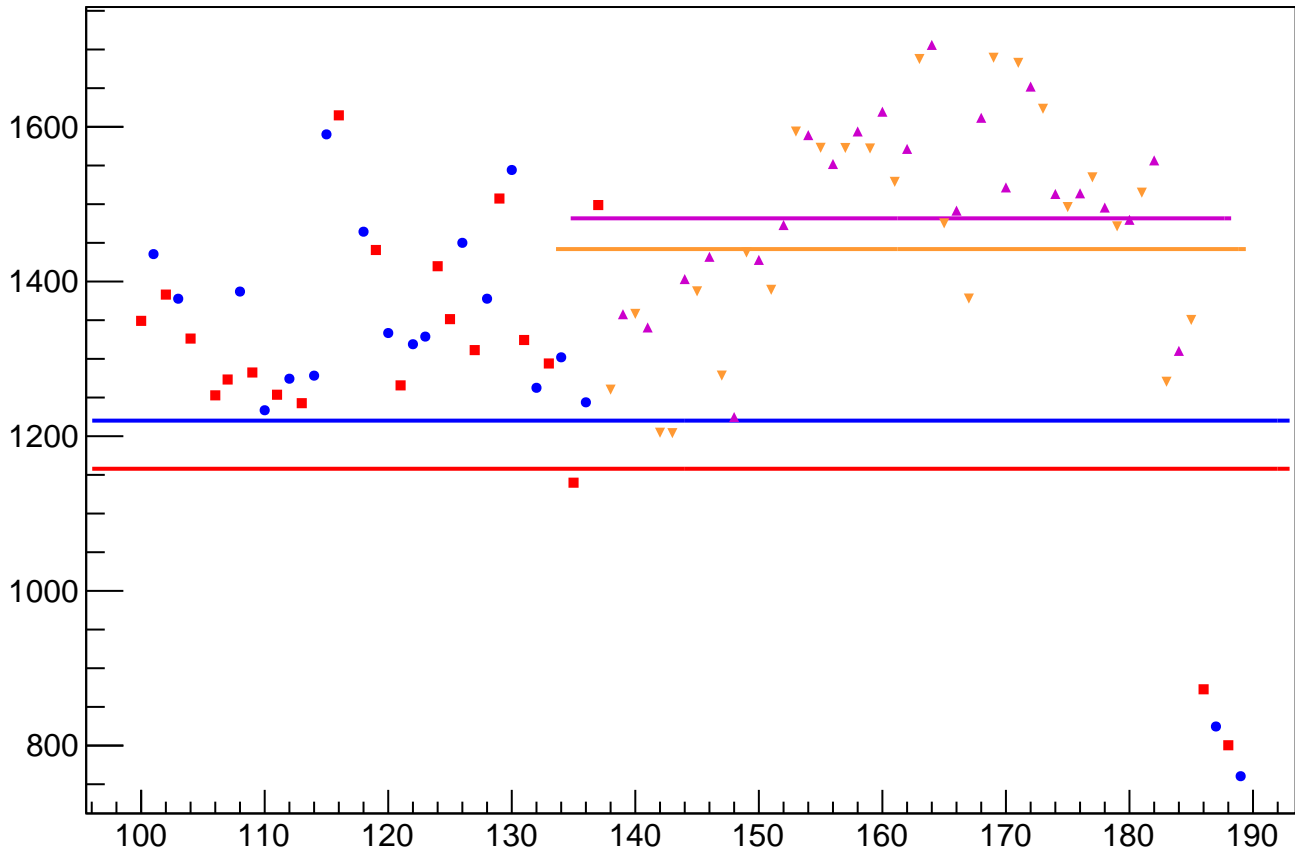
Left In: 3.129 ± 0.358 $\chi^2/\text{NDF}: 103.4/22$

+ sign 4.953 ± 0.273 $\chi^2/\text{NDF}: 1186.8/43$

All: 1.983 ± 0.192 $\chi^2/\text{NDF}: 2367.1/87$

- sign -0.911 ± 0.269 $\chi^2/\text{NDF}: 946.4/43$

diff_bpm0i07Y_rms vs Slug



Right In: 1220.143+/-0.326 χ^2 /NDF: 607523.6/18

Left Out: 1441.951+/-0.239 χ^2 /NDF:370617.4/24

Right Out: 1157.905+/-0.289 χ^2 /NDF: 717723.1/20

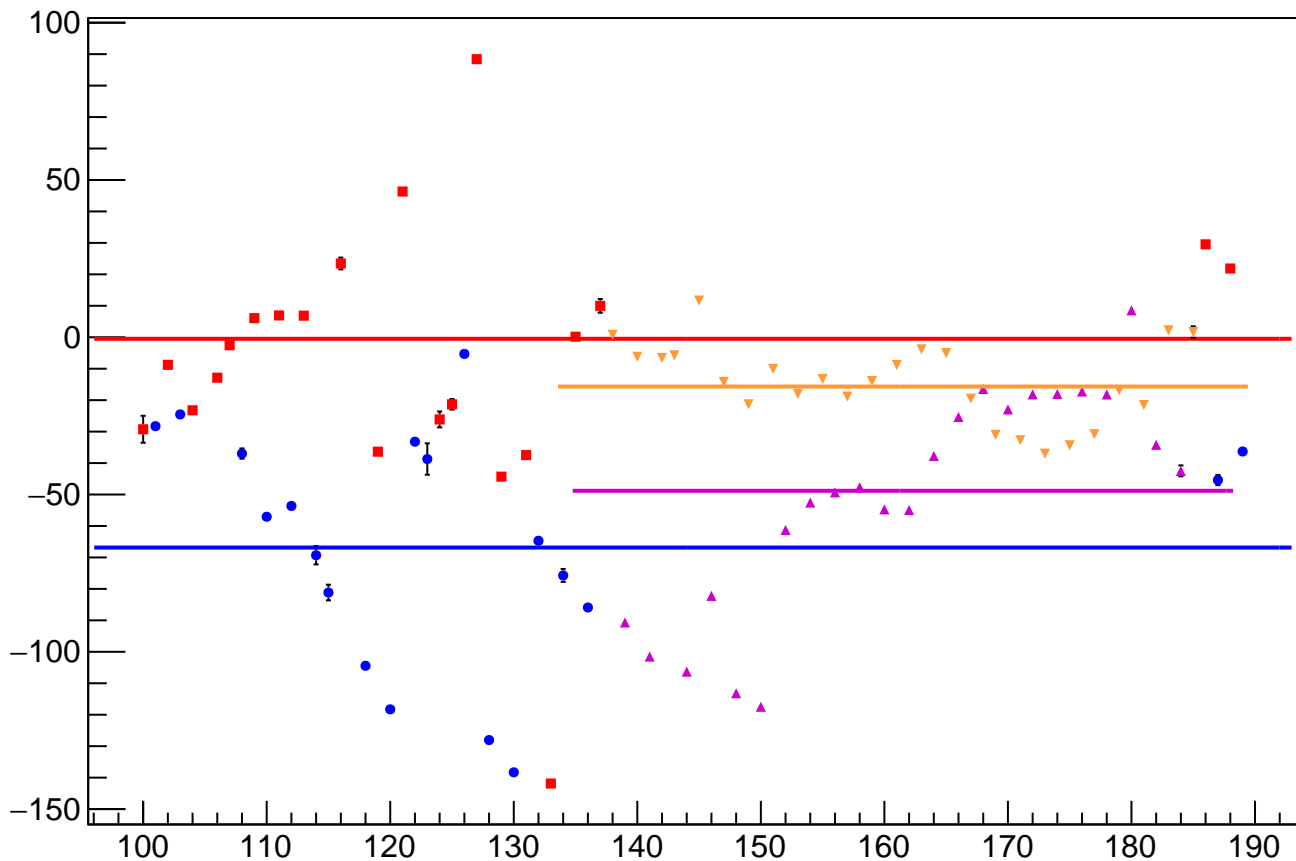
Left In: 1481.695+/-0.253 χ^2 /NDF:208470.6/22

+ sign 1364.438+/-0.193 χ^2 /NDF: 1278691.4/43

All: 1352.850+/-0.136 χ^2 /NDF: 2921543.8/87

- sign 1341.555+/-0.190 χ^2 /NDF: 1635726.4/43

diff_bpm1i02X_mean vs Slug



Right In: -66.857 ± 0.331 $\chi^2/\text{NDF}: 13133.5/18$

Left Out: -15.666 ± 0.212 $\chi^2/\text{NDF}: 3518.1/24$

Right Out: -0.490 ± 0.297 $\chi^2/\text{NDF}: 20990.5/20$

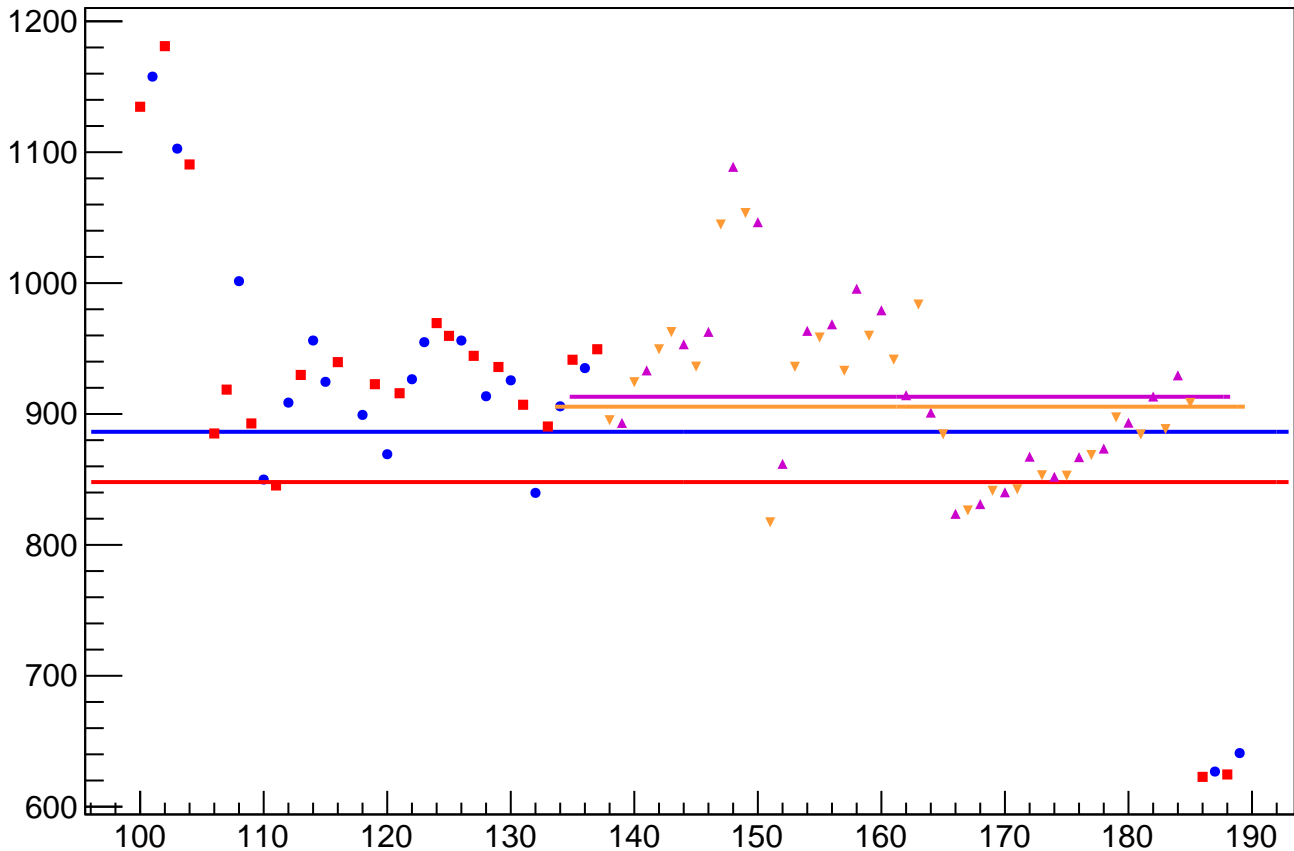
Left In: -48.812 ± 0.220 $\chi^2/\text{NDF}: 25260.8/22$

+ sign -30.531 ± 0.178 $\chi^2/\text{NDF}: 33661.3/43$

All: -31.140 ± 0.126 $\chi^2/\text{NDF}: 97000.2/87$

- sign -31.740 ± 0.177 $\chi^2/\text{NDF}: 63315.8/43$

diff_bpm1i02X_rms vs Slug



Right In: 886.395 \pm 0.234 χ^2 /NDF: 331304.1/18

Left Out: 905.578 \pm 0.150 χ^2 /NDF: 162073.5/24

Right Out: 847.984 \pm 0.210 χ^2 /NDF: 552431.2/20

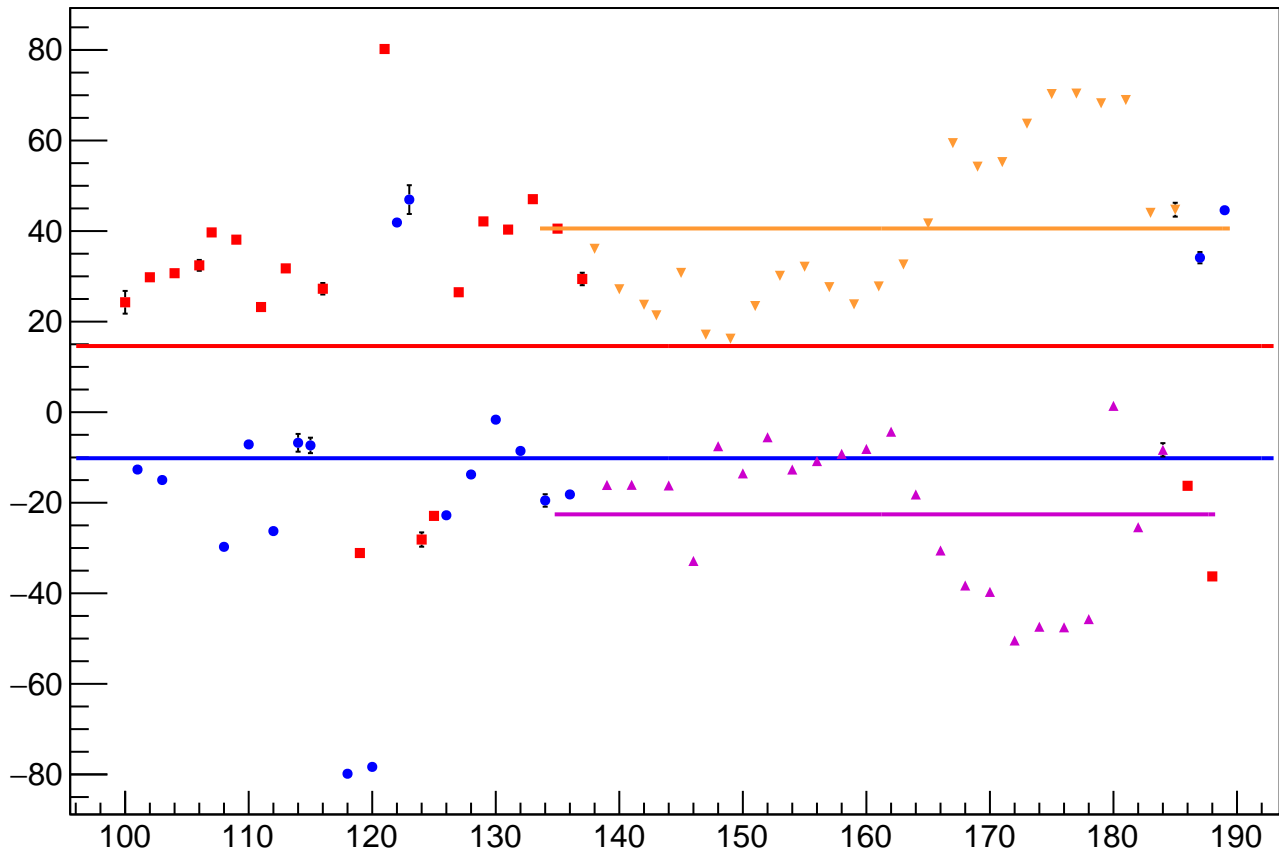
Left In: 913.165 \pm 0.155 χ^2 /NDF: 174438.8/22

+ sign 900.008 \pm 0.126 χ^2 /NDF: 498154.8/43

All: 895.034 \pm 0.089 χ^2 /NDF: 1290214.7/87

- sign 890.136 \pm 0.125 χ^2 /NDF: 788967.1/43

diff_bpm1i02Y_mean vs Slug



Right In: -10.167 ± 0.225 $\chi^2/\text{NDF}: 21868.8/18$

Left Out: 40.573 ± 0.168 $\chi^2/\text{NDF}: 12079.0/24$

Right Out: 14.609 ± 0.206 $\chi^2/\text{NDF}: 27437.2/20$

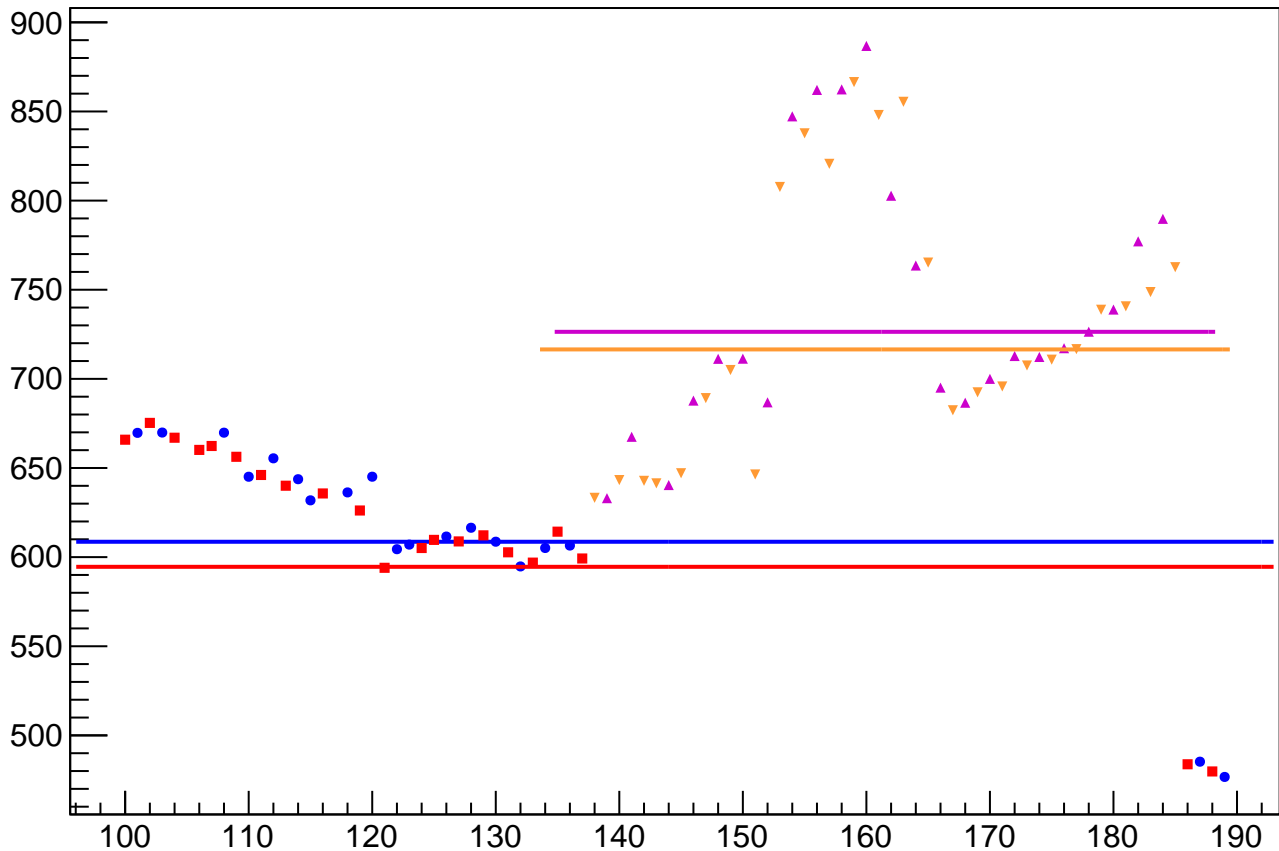
Left In: -22.565 ± 0.175 $\chi^2/\text{NDF}: 8167.7/22$

+ sign 22.472 ± 0.135 $\chi^2/\text{NDF}: 66551.5/43$

All: 7.632 ± 0.095 $\chi^2/\text{NDF}: 145132.7/87$

- sign -6.984 ± 0.134 $\chi^2/\text{NDF}: 54457.8/43$

diff_bpm1i02Y_rms vs Slug



Right In: 608.618 \pm 0.159 χ^2 /NDF: 131988.7/18

Left Out: 716.515 \pm 0.119 χ^2 /NDF:342740.2/24

Right Out: 594.566 \pm 0.146 χ^2 /NDF: 211482.0/20

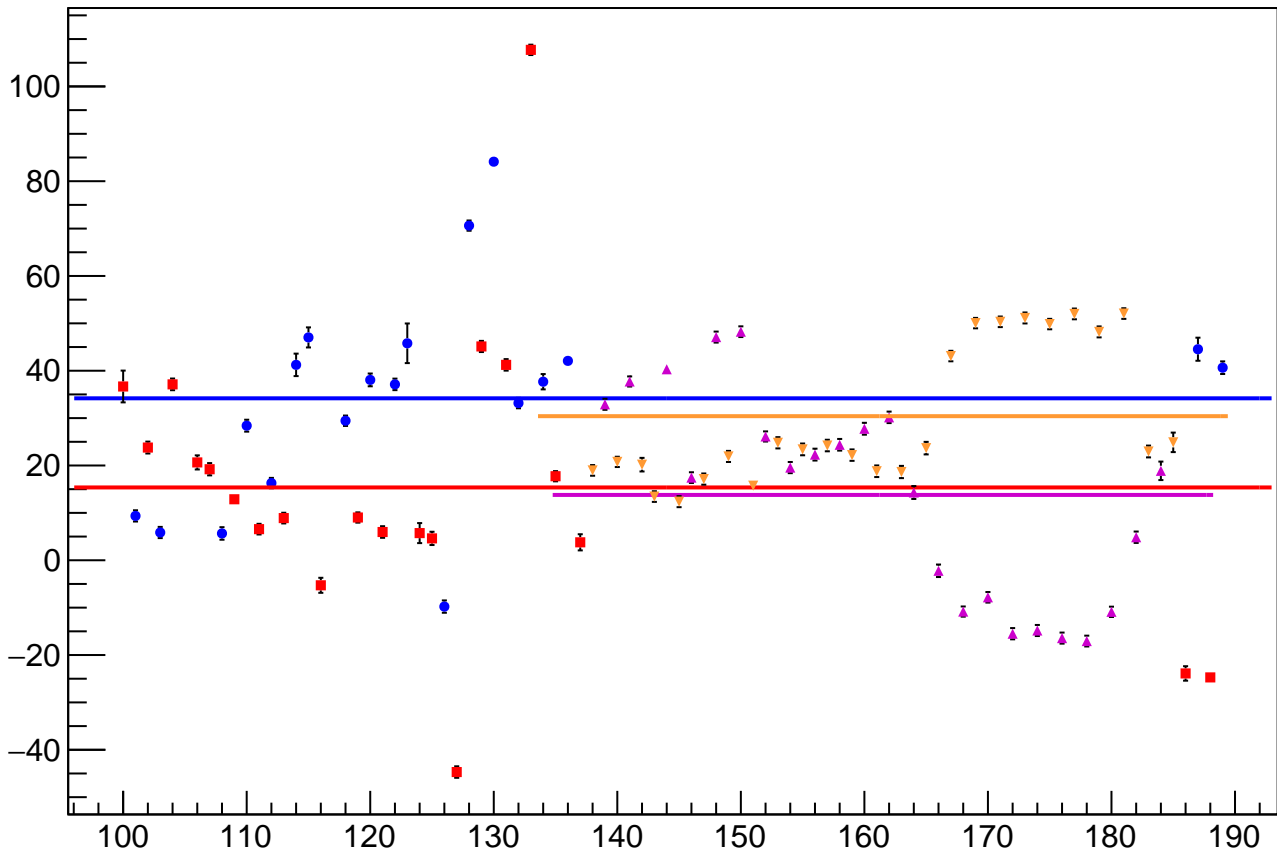
Left In: 726.390 \pm 0.124 χ^2 /NDF:289788.8/22

+ sign 678.024 \pm 0.095 χ^2 /NDF: 769583.6/43

All: 674.553 \pm 0.067 χ^2 /NDF: 1747645.7/87

- sign 671.135 \pm 0.094 χ^2 /NDF: 975423.2/43

diff_bpm1i04X_mean vs Slug



Right In: 34.178+/-0.291 χ^2 /NDF: 6472.4/18

Left Out: 30.408+/-0.237 χ^2 /NDF:3808.0/24

Right Out: 15.367+/-0.276 χ^2 /NDF: 13858.5/20

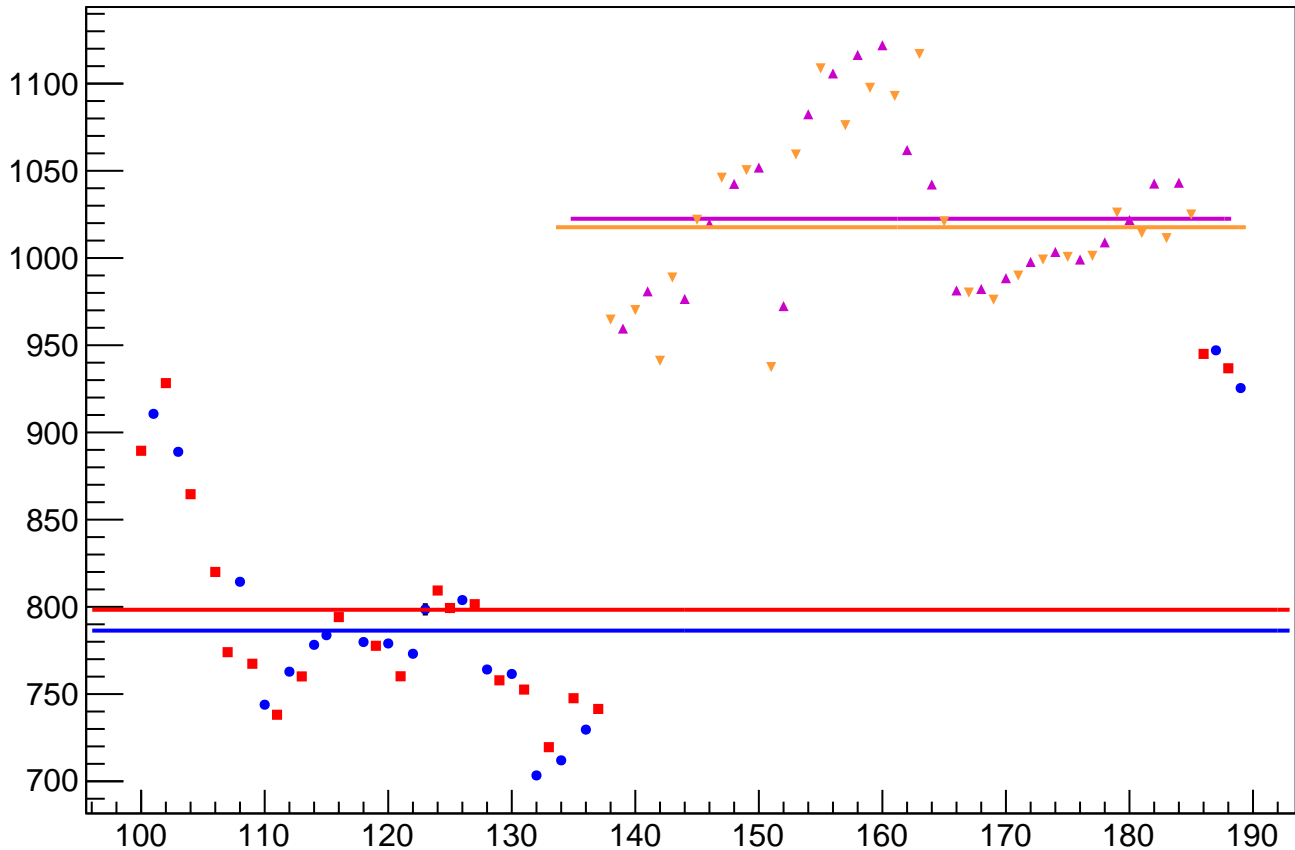
Left In: 13.787+/-0.246 χ^2 /NDF:7979.7/22

+ sign 31.915+/-0.184 χ^2 /NDF: 10381.3/43

All: 23.187+/-0.130 χ^2 /NDF: 36733.7/87

- sign 14.485+/-0.184 χ^2 /NDF: 21856.4/43

diff_bpm1i04X_rms vs Slug



Right In: 786.385 \pm 0.206 χ^2 /NDF: 99948.4/18

Left Out: 1017.653 \pm 0.168 χ^2 /NDF:83612.5/24

Right Out: 798.334 \pm 0.195 χ^2 /NDF: 121874.5/20

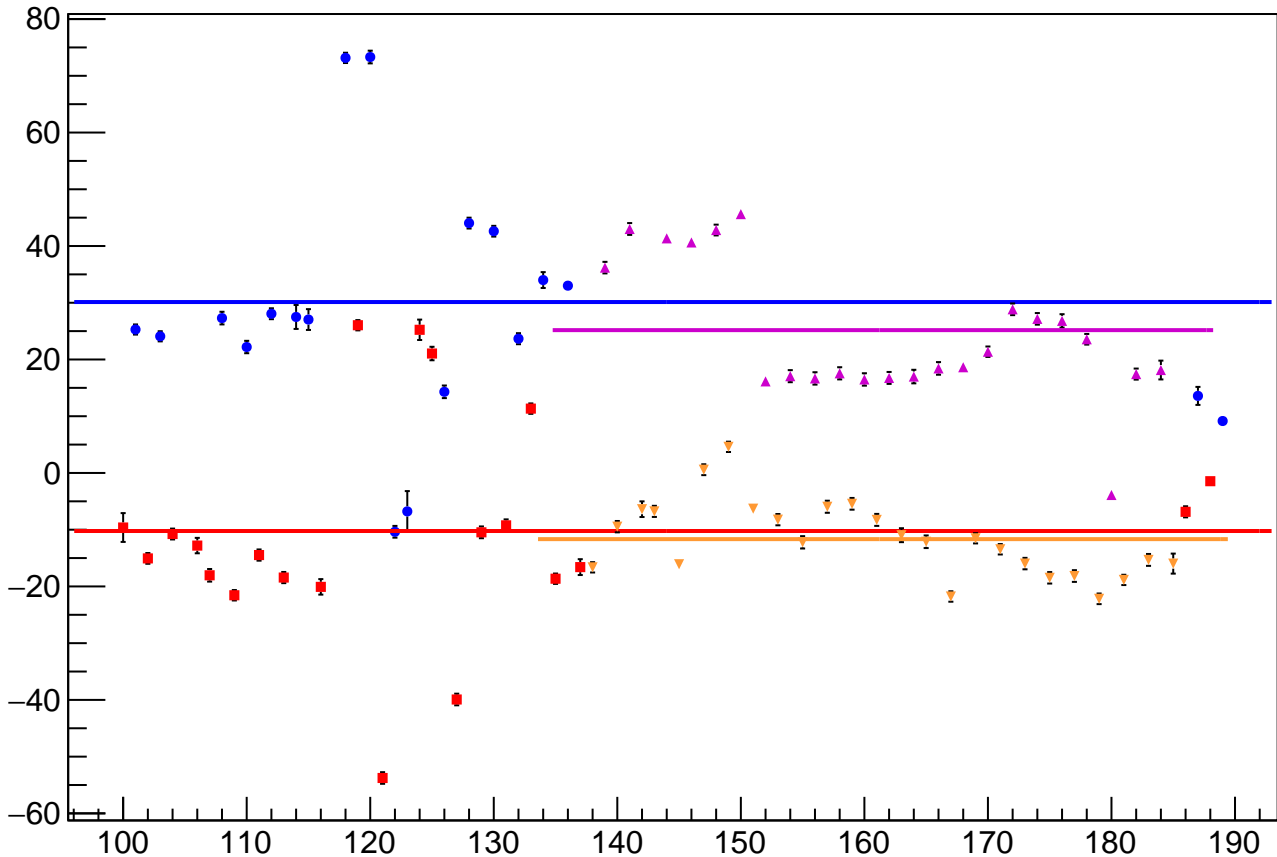
Left In: 1022.511 \pm 0.174 χ^2 /NDF:69635.5/22

+ sign 925.231 \pm 0.130 χ^2 /NDF: 942075.9/43

All: 924.361 \pm 0.092 χ^2 /NDF: 1868309.6/87

- sign 923.494 \pm 0.130 χ^2 /NDF: 926144.3/43

diff_bpm1i04Y_mean vs Slug



Right In: 30.126 ± 0.239 $\chi^2/\text{NDF}: 6932.2/18$

Left Out: -11.664 ± 0.200 $\chi^2/\text{NDF}: 1147.4/24$

Right Out: -10.231 ± 0.225 $\chi^2/\text{NDF}: 6547.1/20$

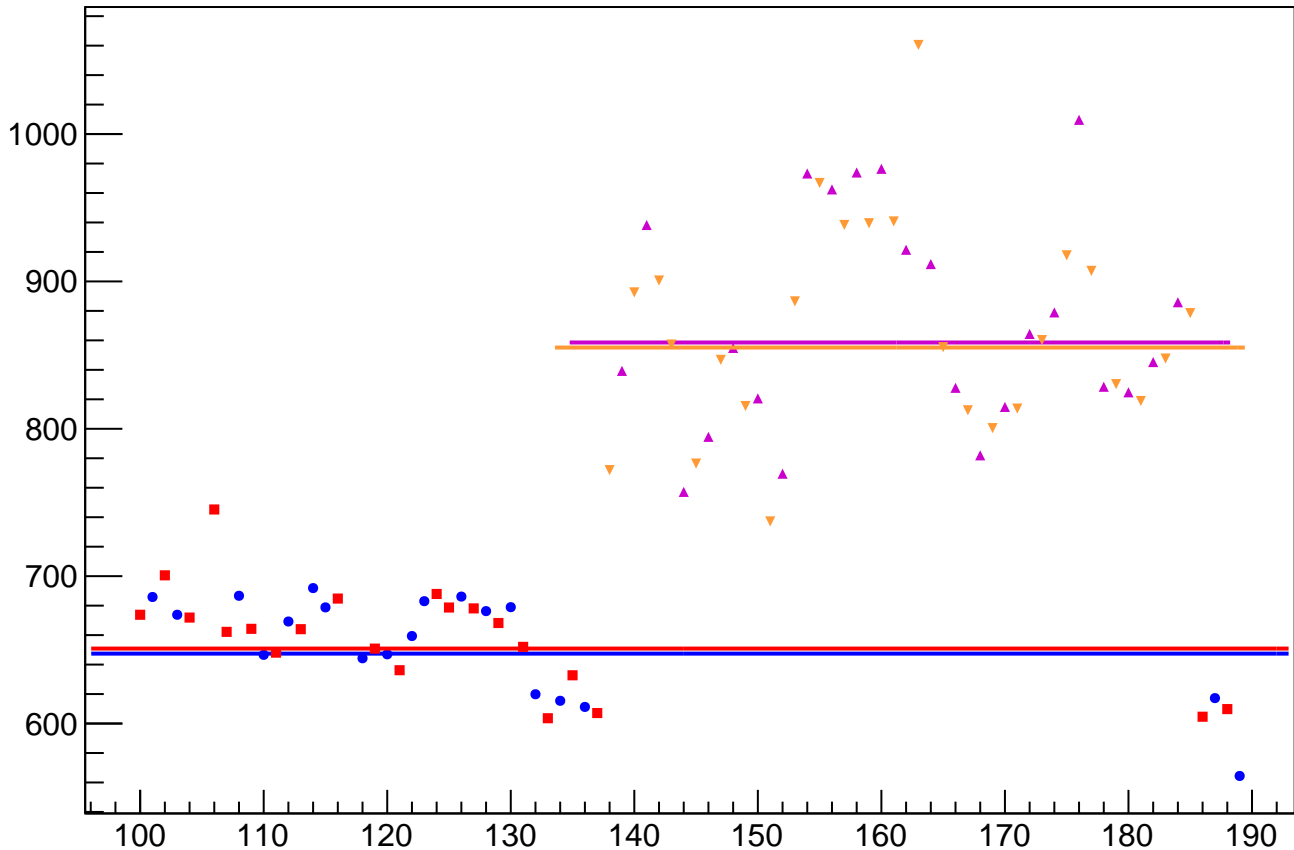
Left In: 25.174 ± 0.207 $\chi^2/\text{NDF}: 3747.1/22$

+ sign 5.557 ± 0.154 $\chi^2/\text{NDF}: 26019.8/43$

All: 7.241 ± 0.108 $\chi^2/\text{NDF}: 49950.6/87$

- sign 8.900 ± 0.152 $\chi^2/\text{NDF}: 23692.2/43$

diff_bpm1i04Y_rms vs Slug



Right In: 647.436 \pm 0.169 χ^2 /NDF: 47110.4/18

Left Out: 855.131 \pm 0.142 χ^2 /NDF:233746.7/24

Right Out: 650.864 \pm 0.159 χ^2 /NDF: 43476.6/20

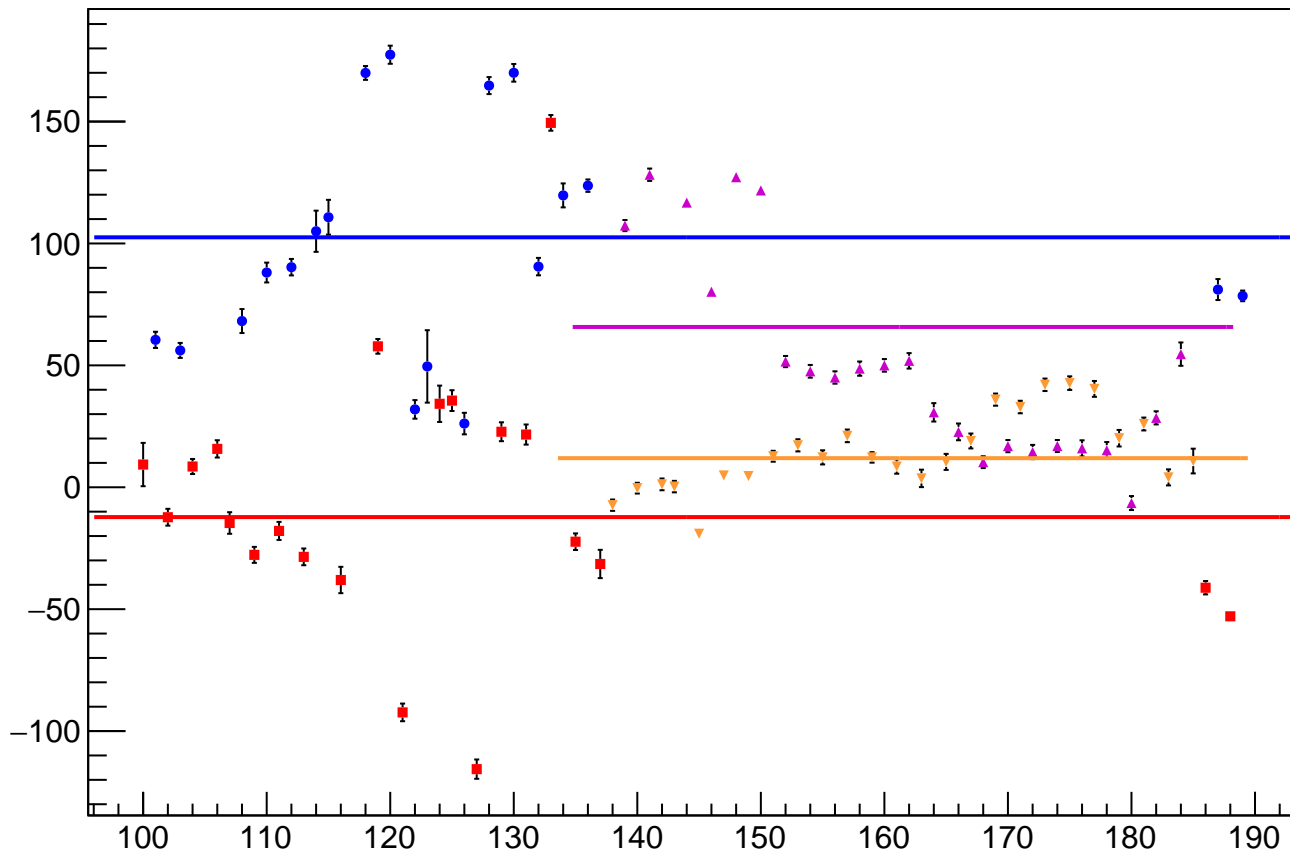
Left In: 858.563 \pm 0.147 χ^2 /NDF:239019.8/22

+ sign 769.546 \pm 0.109 χ^2 /NDF: 1167128.5/43

All: 766.296 \pm 0.077 χ^2 /NDF: 2373585.9/87

- sign 763.095 \pm 0.108 χ^2 /NDF: 1204679.7/43

diff_bpm1i06X_mean vs Slug



Right In: 102.519 \pm 0.834 χ^2 /NDF: 2995.0/18

Left Out: 11.938 \pm 0.505 χ^2 /NDF:976.6/24

Right Out: -12.225 \pm 0.758 χ^2 /NDF: 5414.2/20

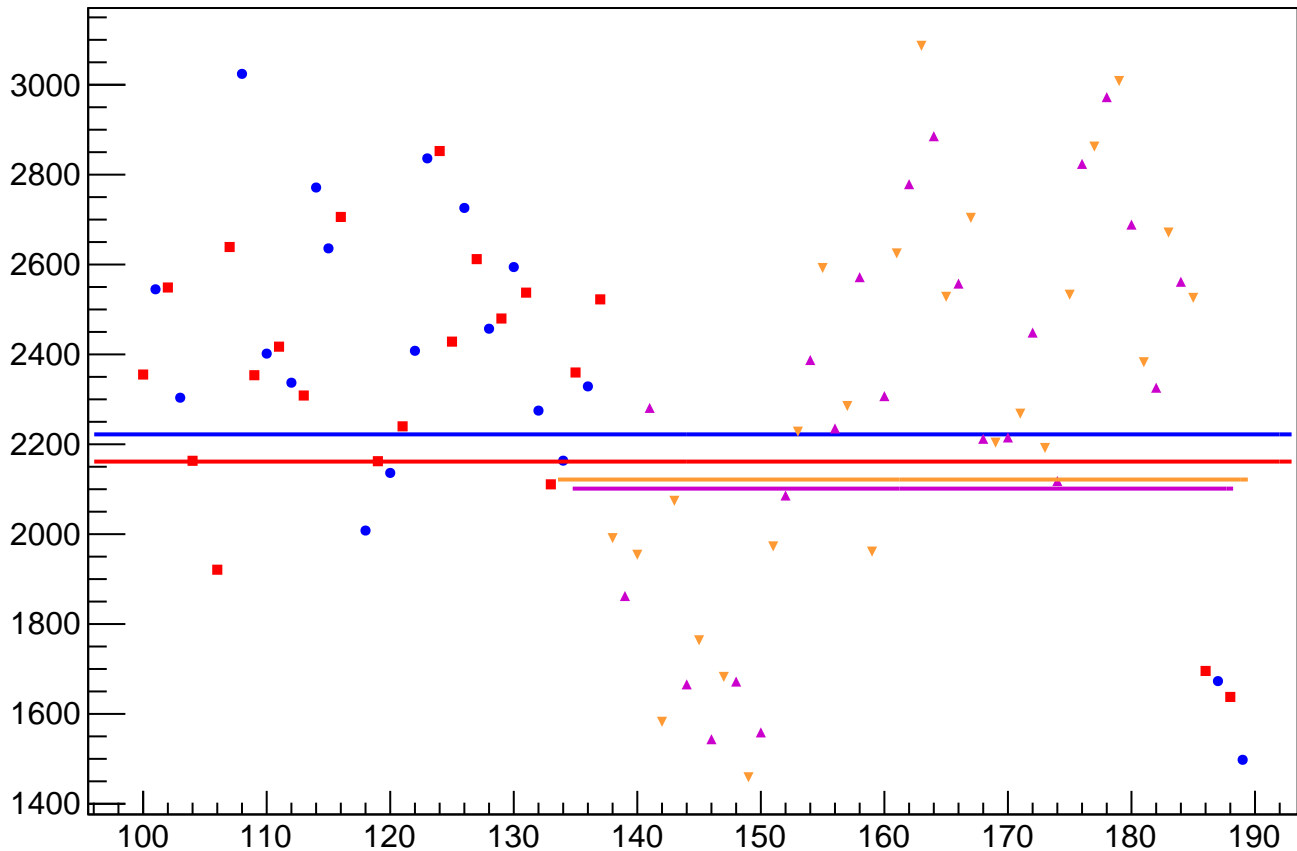
Left In: 65.752 \pm 0.518 χ^2 /NDF:7335.8/22

+ sign 36.268 \pm 0.432 χ^2 /NDF: 12602.5/43

All: 38.625 \pm 0.304 χ^2 /NDF: 32633.9/87

- sign 40.929 \pm 0.427 χ^2 /NDF: 19972.5/43

diff_bpm1i06X_rms vs Slug



Right In: 2222.050+/-0.590 χ^2 /NDF: 429441.0/18

Left Out: 2121.567+/-0.357 χ^2 /NDF: 1387847.6/24

Right Out: 2161.507+/-0.536 χ^2 /NDF: 436022.5/20

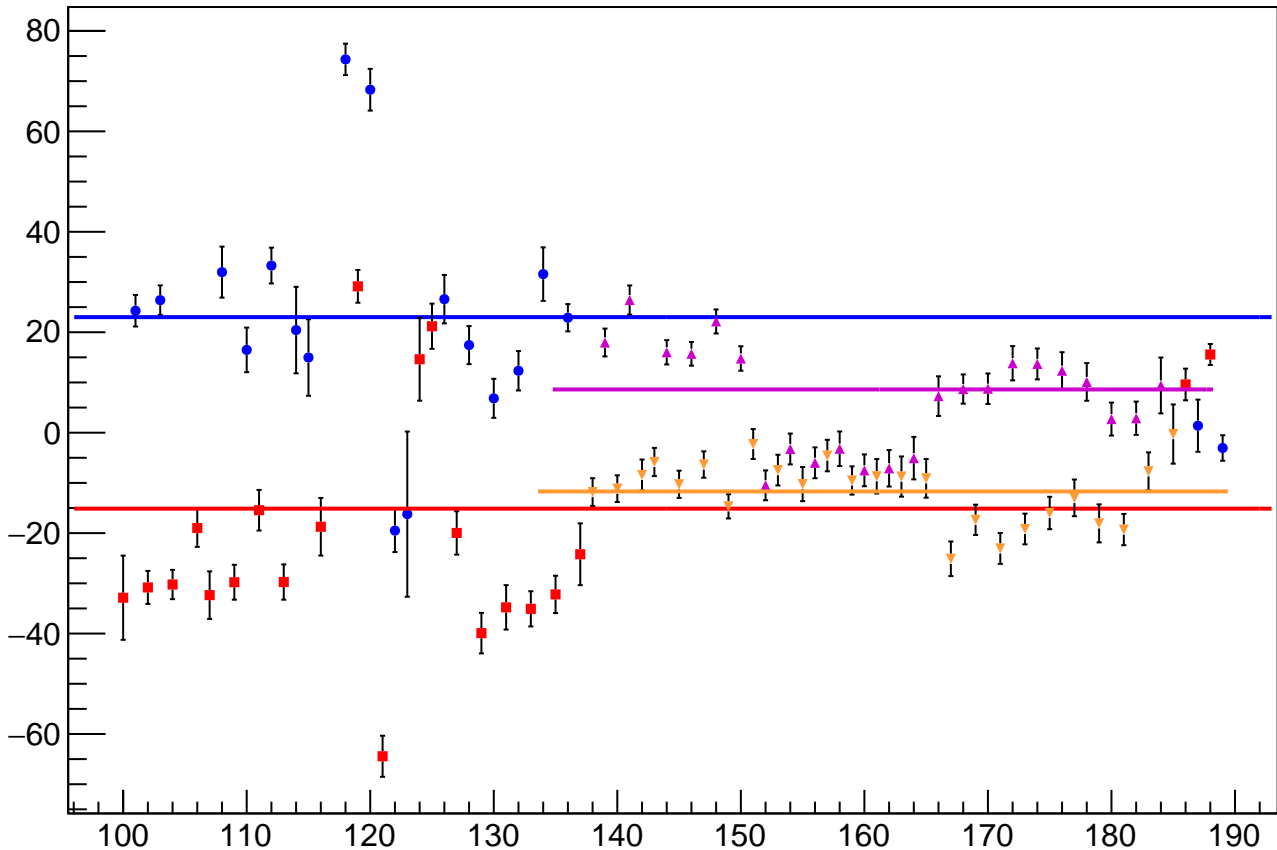
Left In: 2101.325+/-0.366 χ^2 /NDF: 1360518.3/22

+ sign 2148.557+/-0.306 χ^2 /NDF: 1838530.2/43

All: 2134.365+/-0.215 χ^2 /NDF: 3647942.2/87

- sign 2120.483+/-0.302 χ^2 /NDF: 1805145.1/43

diff_bpm1i06Y_mean vs Slug



Right In: 23.007 ± 0.897 χ^2/NDF : 662.5/18

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -15.127 ± 0.819 χ^2/NDF : 903.0/20

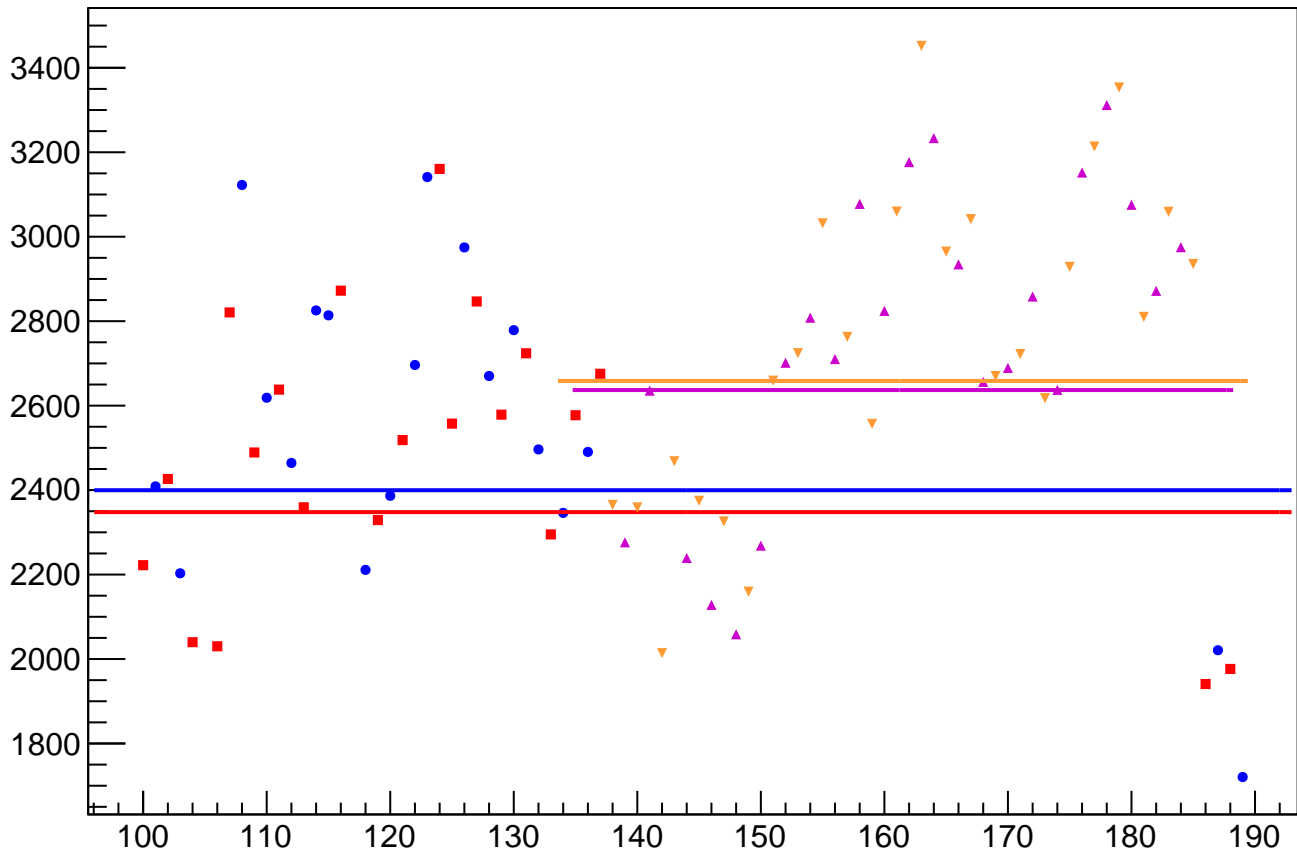
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.354 ± 0.513 χ^2/NDF : 1754.1/43

All: -0.387 ± 0.360 χ^2/NDF : 3441.1/87

- sign -0.419 ± 0.505 χ^2/NDF : 1687.0/43

diff_bpm1i06Y_rms vs Slug



Right In: 2399.694 \pm 0.635 χ^2 /NDF: 302276.0/18

Left Out: 2658.486 \pm 0.442 χ^2 /NDF: 618133.8/24

Right Out: 2347.826 \pm 0.579 χ^2 /NDF: 273599.6/20

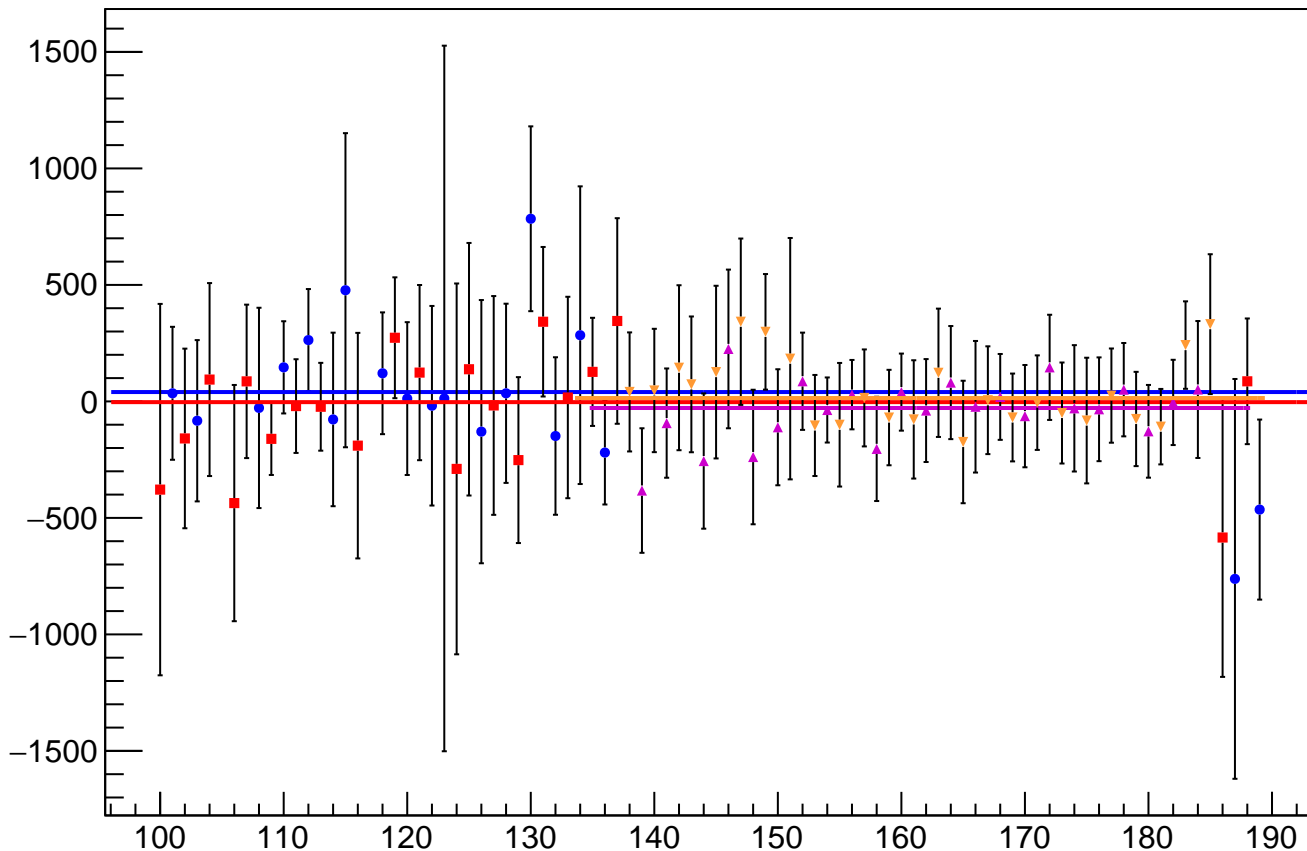
Left In: 2636.885 \pm 0.454 χ^2 /NDF: 652894.5/22

+ sign 2573.884 \pm 0.363 χ^2 /NDF: 1032351.0/43

All: 2550.063 \pm 0.255 χ^2 /NDF: 2121556.4/87

- sign 2526.960 \pm 0.357 χ^2 /NDF: 1080715.0/43

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 40.180+/-77.309 χ^2/NDF : 10.1/18

Left Out: 14.520+/-47.528 χ^2/NDF : 7.8/24

Right Out: -3.136+/-67.317 χ^2/NDF : 7.5/20

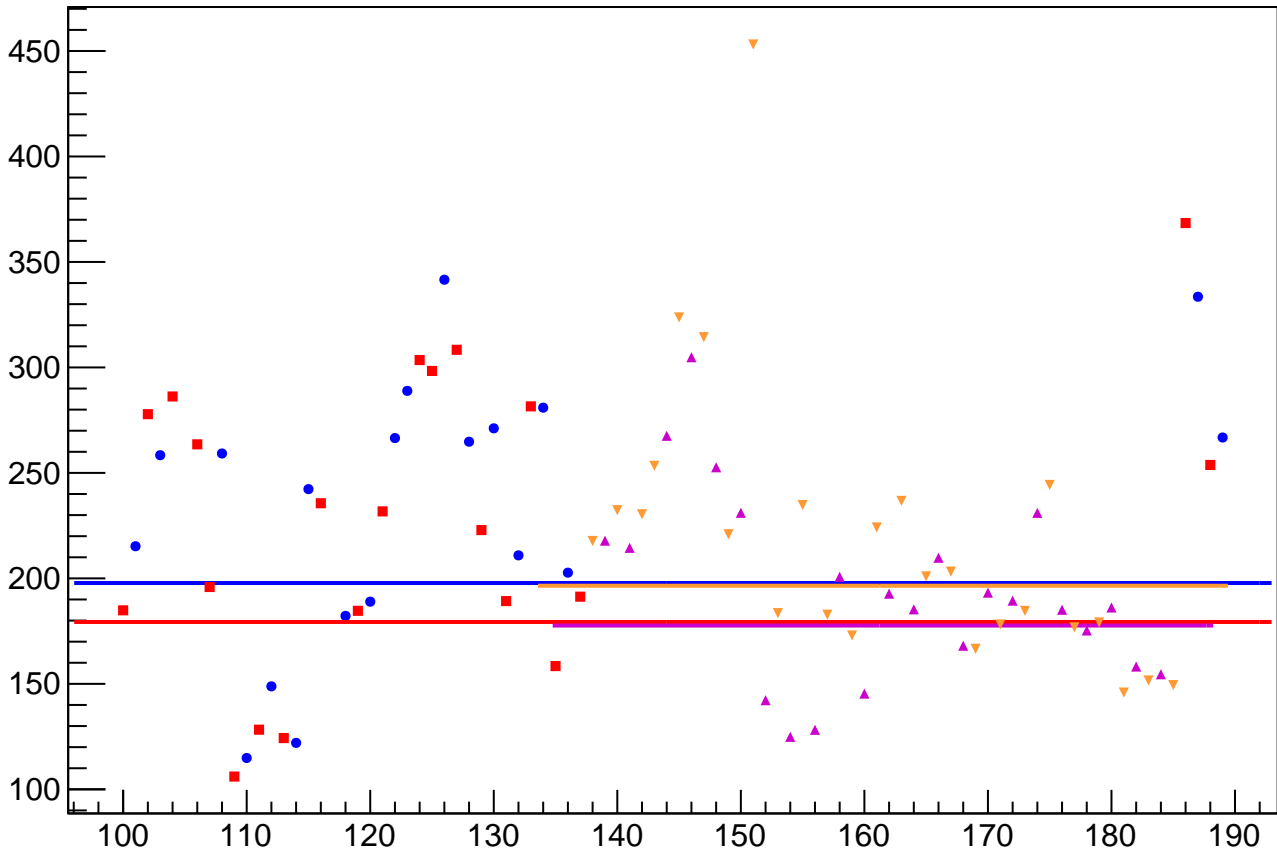
Left In: -28.310+/-44.638 χ^2/NDF : 6.3/22

+ sign 21.558+/-40.489 χ^2/NDF : 18.0/43

All: -1.313+/-27.394 χ^2/NDF : 32.5/87

- sign -20.621+/-37.202 χ^2/NDF : 13.9/43

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 197.807 \pm 0.055 χ^2 /NDF: 1130112.5/18

Left Out: 196.514 \pm 0.034 χ^2 /NDF: 1789504.4/24

Right Out: 179.342 \pm 0.048 χ^2 /NDF: 1947175.6/20

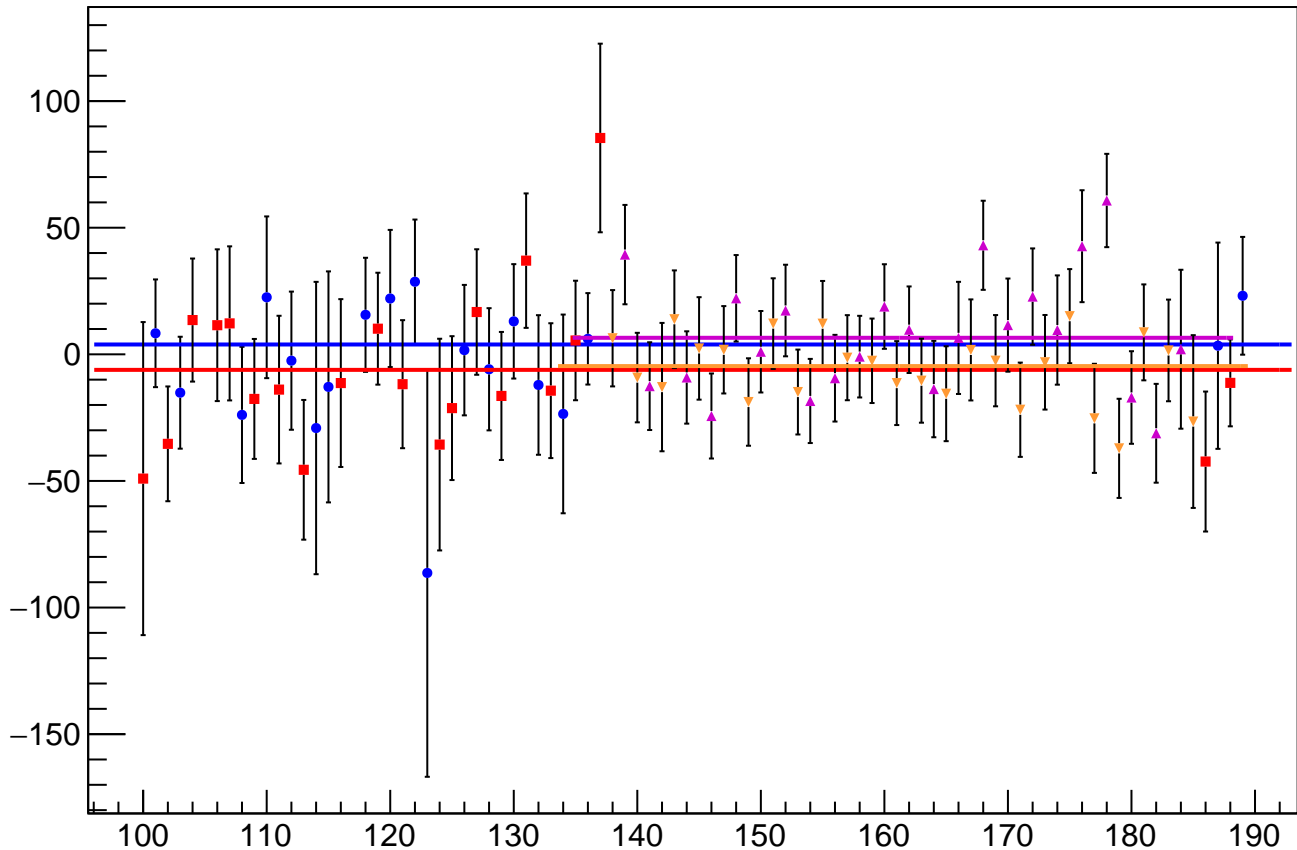
Left In: 177.643 \pm 0.032 χ^2 /NDF: 1630664.5/22

+ sign 196.869 \pm 0.029 χ^2 /NDF: 2920022.8/43

All: 186.725 \pm 0.019 χ^2 /NDF: 6730240.4/87

- sign 178.162 \pm 0.026 χ^2 /NDF: 3578724.5/43

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.885 ± 6.136 $\chi^2/\text{NDF}: 7.6/18$

Left Out: -4.646 ± 3.728 $\chi^2/\text{NDF}: 12.1/24$

Right Out: -6.137 ± 5.778 $\chi^2/\text{NDF}: 19.1/20$

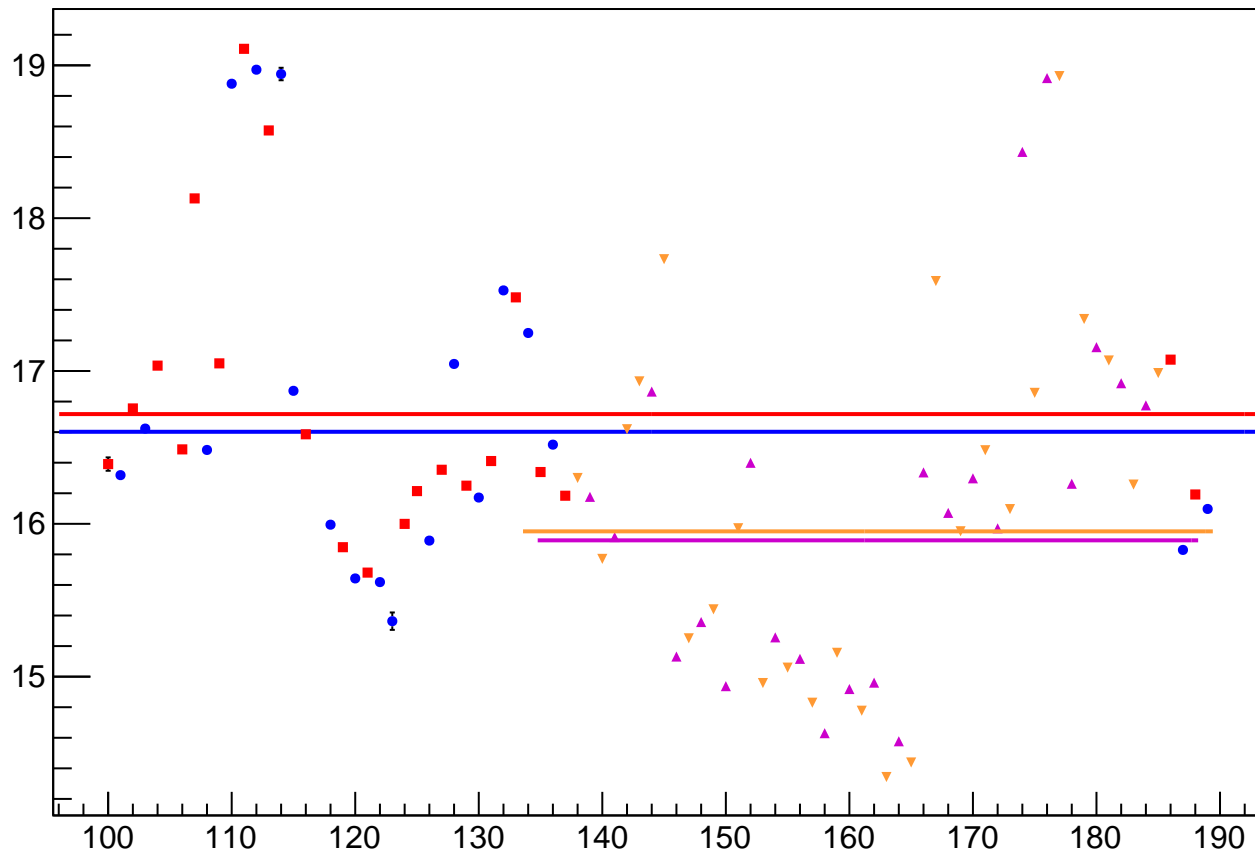
Left In: 6.526 ± 3.828 $\chi^2/\text{NDF}: 36.4/22$

+ sign -2.346 ± 3.186 $\chi^2/\text{NDF}: 21.0/43$

All: 0.155 ± 2.255 $\chi^2/\text{NDF}: 81.1/87$

- sign 2.664 ± 3.191 $\chi^2/\text{NDF}: 58.8/43$

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.602 \pm 0.004 χ^2 /NDF: 44094.7/18

Left Out: 15.951 \pm 0.003 χ^2 /NDF:173458.5/24

Right Out: 16.718 \pm 0.004 χ^2 /NDF: 41608.9/20

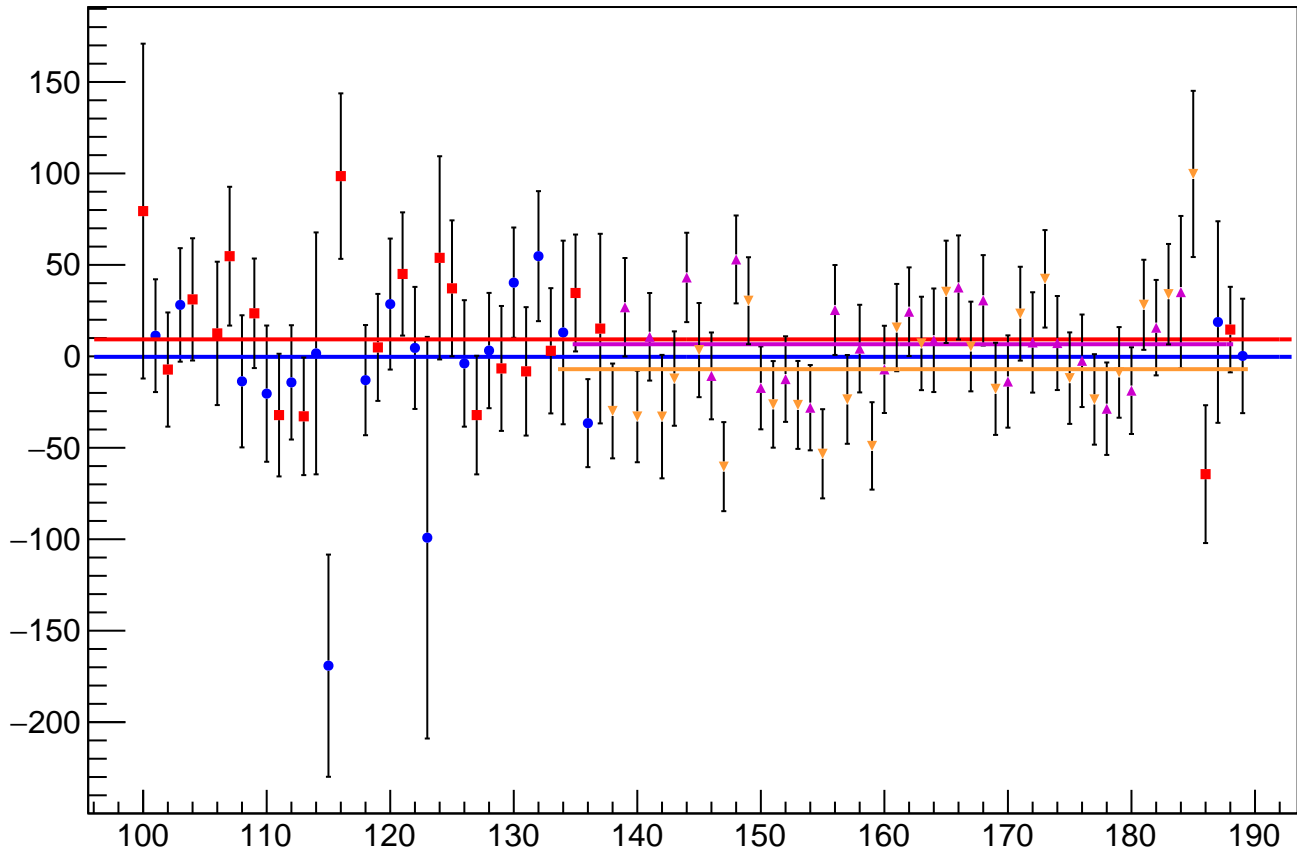
Left In: 15.892 \pm 0.003 χ^2 /NDF:147093.3/22

+ sign 16.126 \pm 0.002 χ^2 /NDF: 234022.8/43

All: 16.135 \pm 0.002 χ^2 /NDF: 451171.3/87

- sign 16.144 \pm 0.002 χ^2 /NDF: 217118.6/43

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -0.274 ± 8.118 $\chi^2/\text{NDF}: 17.7/18$

Left Out: -7.017 ± 5.121 $\chi^2/\text{NDF}: 37.4/24$

Right Out: 9.283 ± 7.602 $\chi^2/\text{NDF}: 19.1/20$

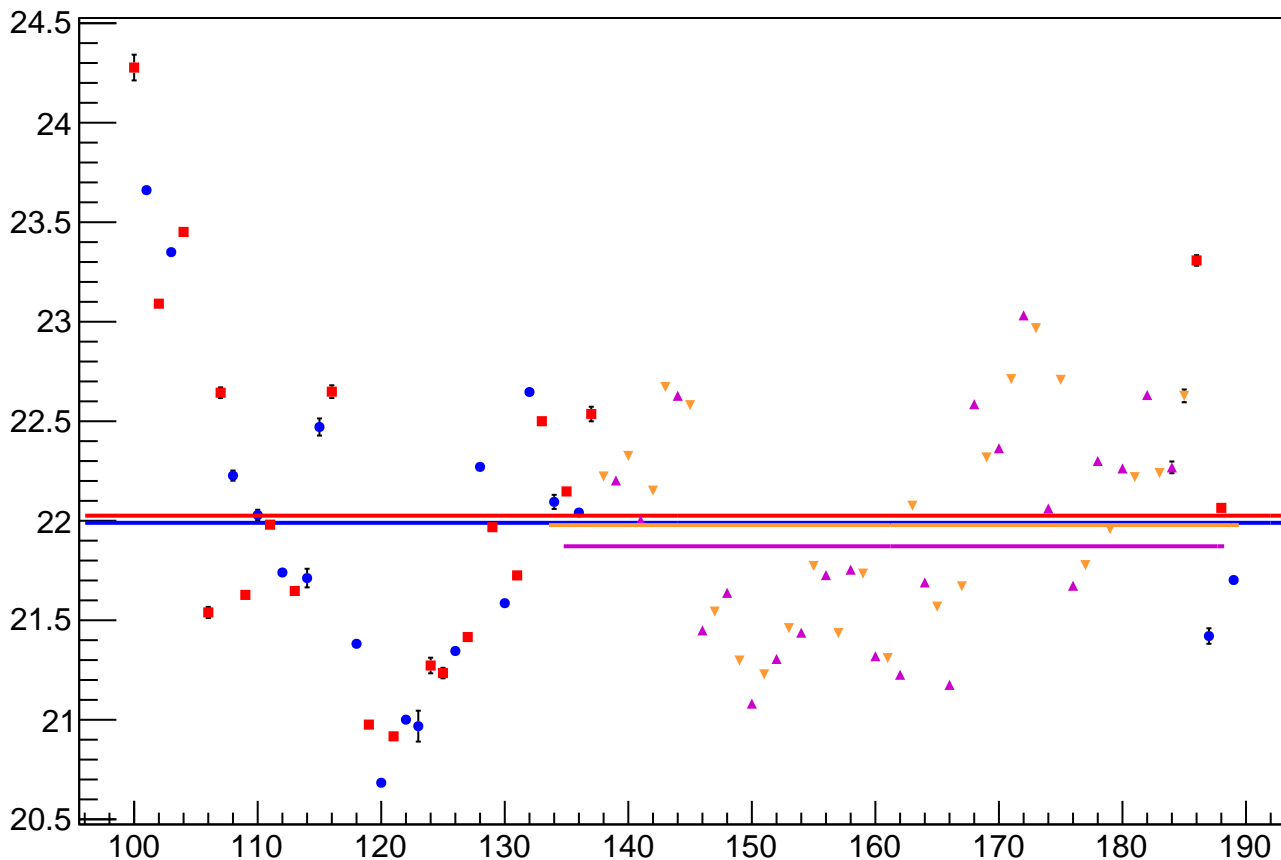
Left In: 6.611 ± 5.251 $\chi^2/\text{NDF}: 19.1/22$

+ sign -5.098 ± 4.331 $\chi^2/\text{NDF}: 55.6/43$

All: 1.204 ± 3.059 $\chi^2/\text{NDF}: 98.1/87$

- sign 7.474 ± 4.321 $\chi^2/\text{NDF}: 38.3/43$

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.990 \pm 0.006 χ^2 /NDF: 17796.6/18

Left Out: 21.978 \pm 0.004 χ^2 /NDF:19430.2/24

Right Out: 22.026 \pm 0.005 χ^2 /NDF: 18834.2/20

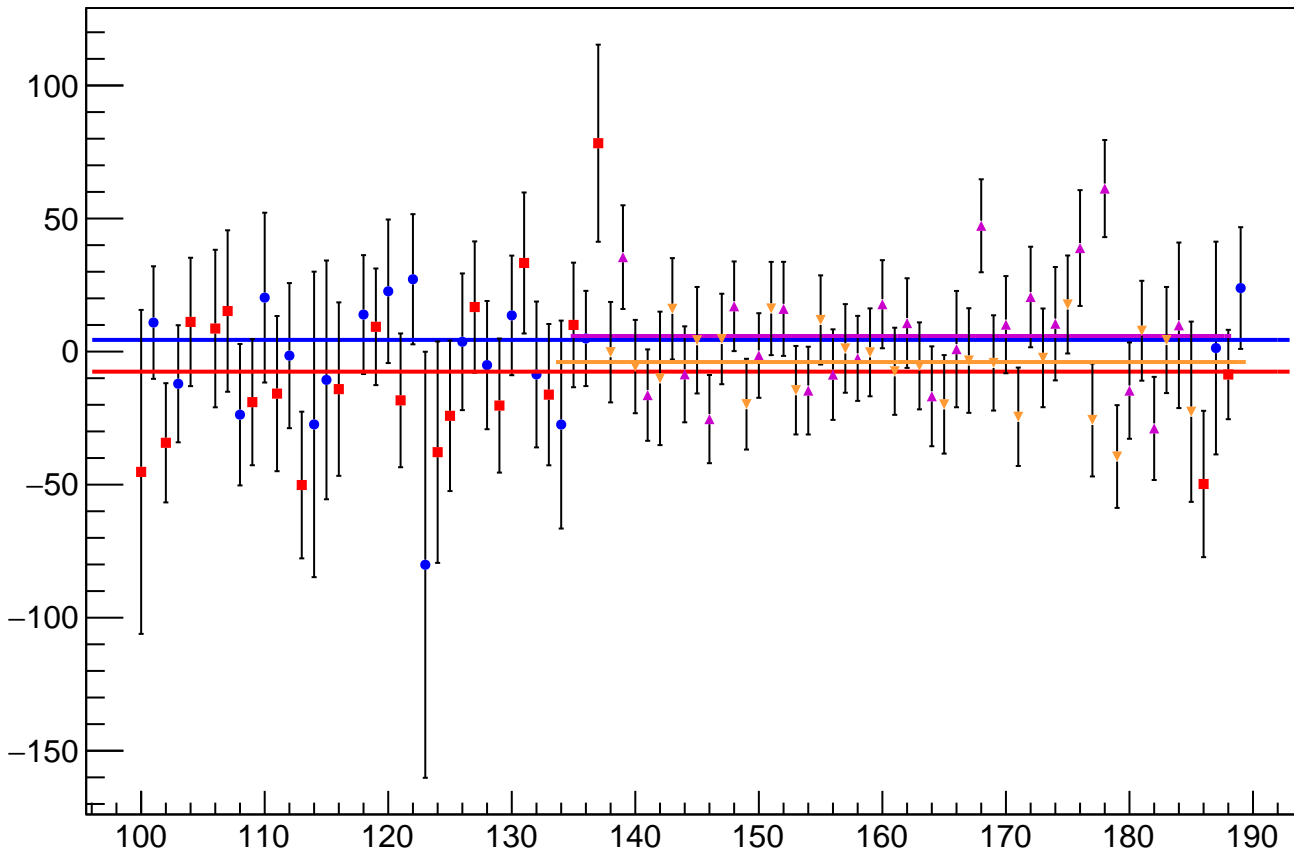
Left In: 21.872 \pm 0.004 χ^2 /NDF:20524.9/22

+ sign 21.982 \pm 0.003 χ^2 /NDF: 37229.5/43

All: 21.951 \pm 0.002 χ^2 /NDF: 77336.1/87

- sign 21.921 \pm 0.003 χ^2 /NDF: 39913.5/43

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.396+/-6.095 χ^2/NDF : 7.1/18

Left Out: -3.927+/-3.688 χ^2/NDF : 14.0/24

Right Out: -7.537+/-5.735 χ^2/NDF : 19.7/20

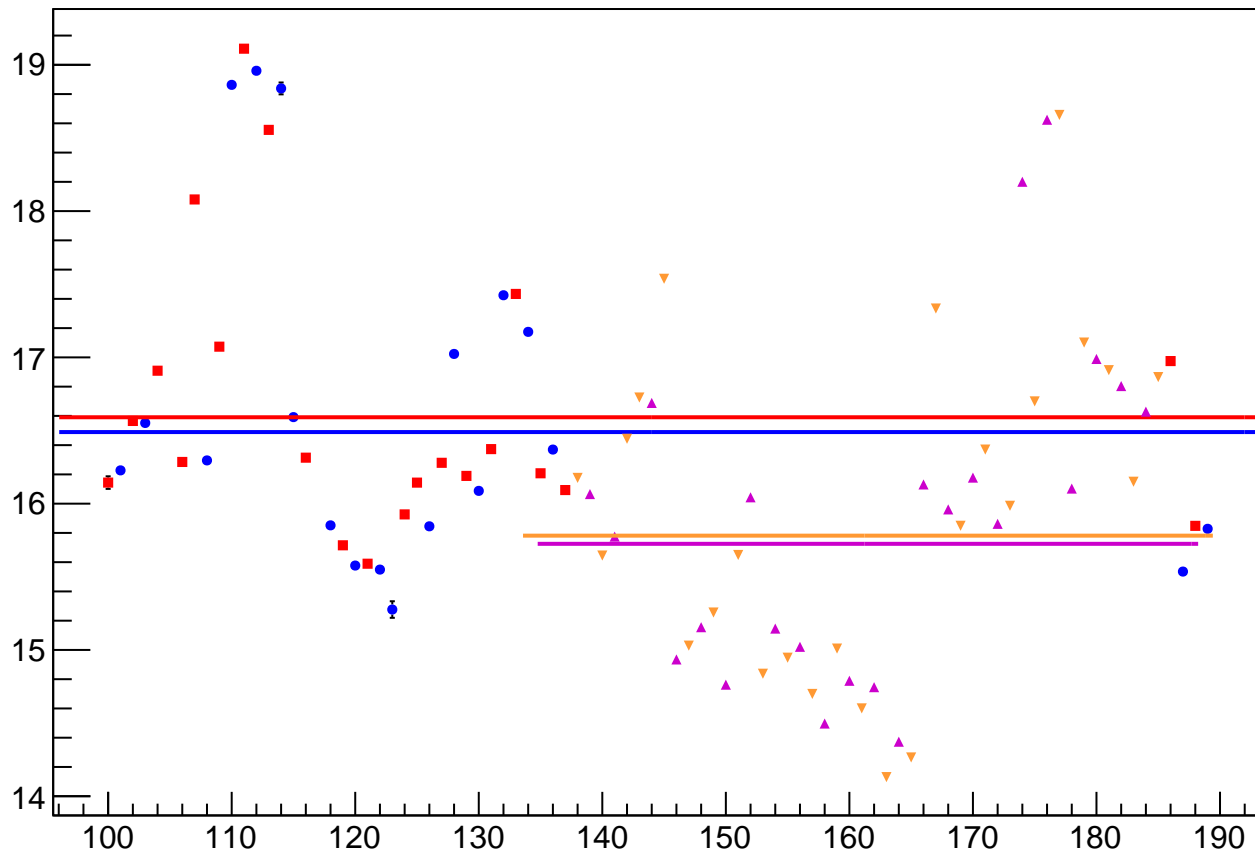
Left In: 5.861+/-3.787 χ^2/NDF : 36.2/22

+ sign -1.697+/-3.155 χ^2/NDF : 22.4/43

All: 0.046+/-2.233 χ^2/NDF : 82.7/87

- sign 1.794+/-3.160 χ^2/NDF : 59.7/43

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.489+/-0.004 χ^2 /NDF: 47336.8/18

Left Out: 15.781+/-0.003 χ^2 /NDF:172894.3/24

Right Out: 16.591+/-0.004 χ^2 /NDF: 47105.0/20

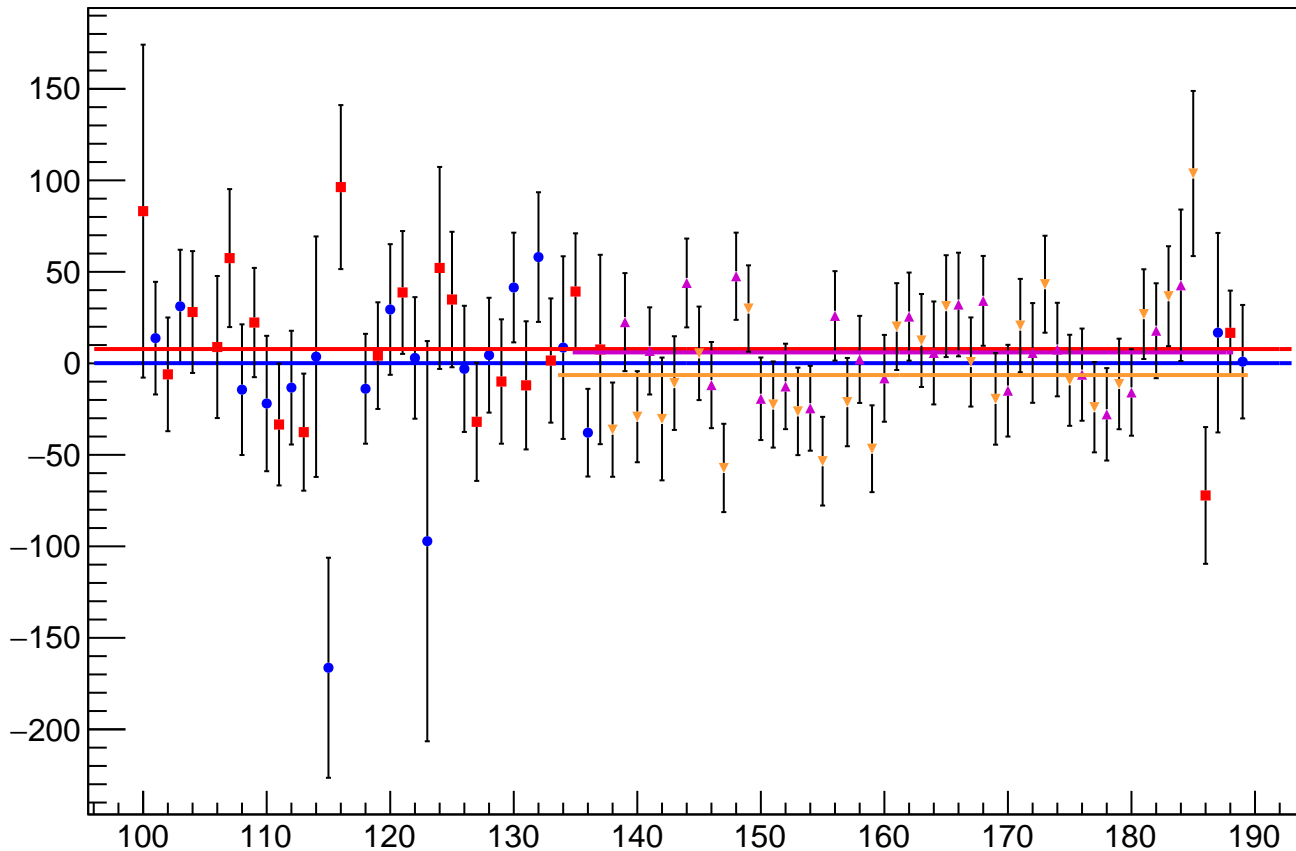
Left In: 15.725+/-0.003 χ^2 /NDF:145830.9/22

+ sign 15.971+/-0.002 χ^2 /NDF: 239993.1/43

All: 15.980+/-0.002 χ^2 /NDF: 464655.3/87

- sign 15.988+/-0.002 χ^2 /NDF: 224633.3/43

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 0.104+/-8.076 χ^2 /NDF: 18.5/18

Left Out: -6.404+/-5.091 χ^2 /NDF:37.4/24

Right Out: 7.820+/-7.556 χ^2 /NDF: 20.6/20

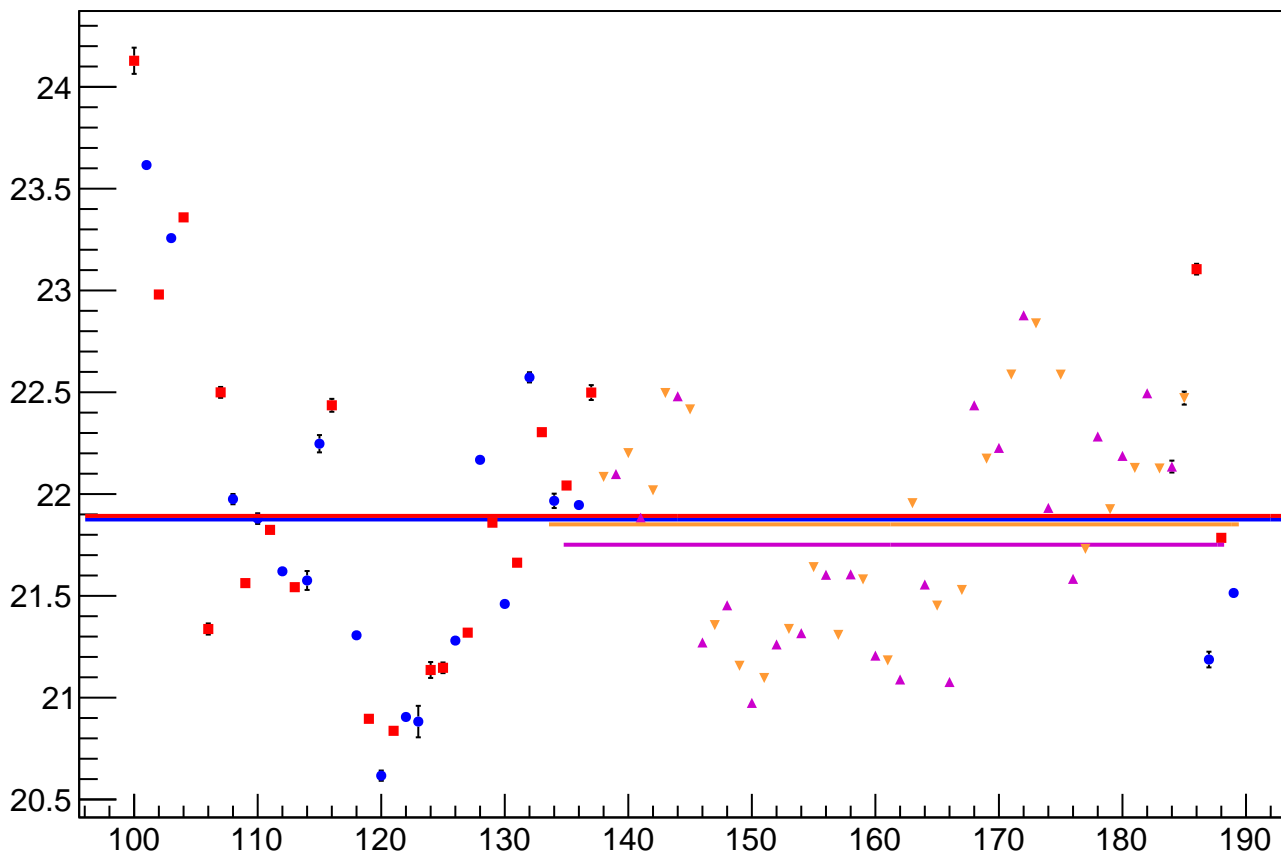
Left In: 5.978+/-5.222 χ^2 /NDF:18.5/22

+ sign -4.553+/-4.307 χ^2 /NDF: 56.4/43

All: 1.024+/-3.042 χ^2 /NDF: 98.9/87

- sign 6.573+/-4.296 χ^2 /NDF: 39.2/43

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.875+/-0.006 χ^2 /NDF: 18284.2/18

Left Out: 21.851+/-0.004 χ^2 /NDF:19631.8/24

Right Out: 21.893+/-0.005 χ^2 /NDF: 18239.4/20

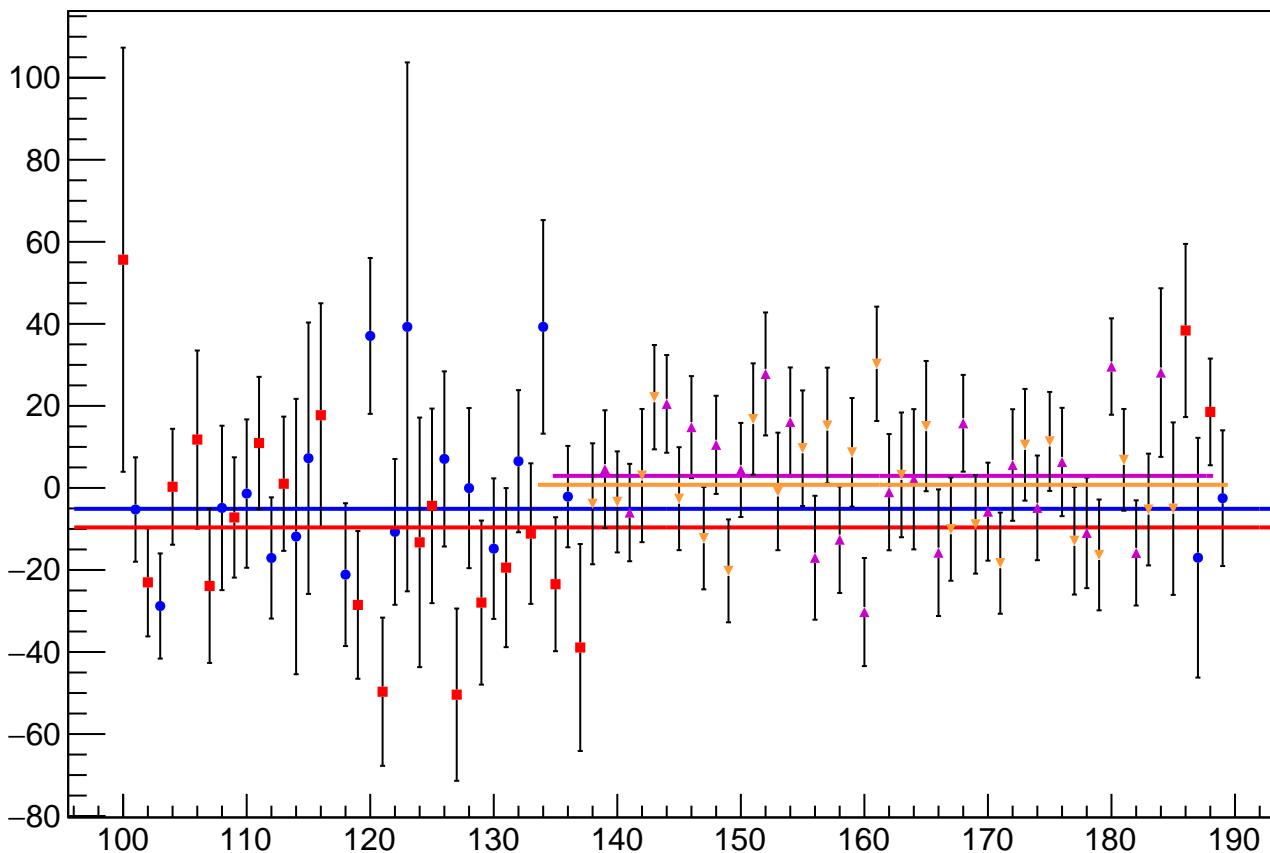
Left In: 21.751+/-0.004 χ^2 /NDF:20516.3/22

+ sign 21.858+/-0.003 χ^2 /NDF: 37928.8/43

All: 21.827+/-0.002 χ^2 /NDF: 77360.8/87

- sign 21.797+/-0.003 χ^2 /NDF: 39230.9/43

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.094 ± 4.150 χ^2/NDF : 15.0/18

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: -9.628 ± 3.984 χ^2/NDF : 30.6/20

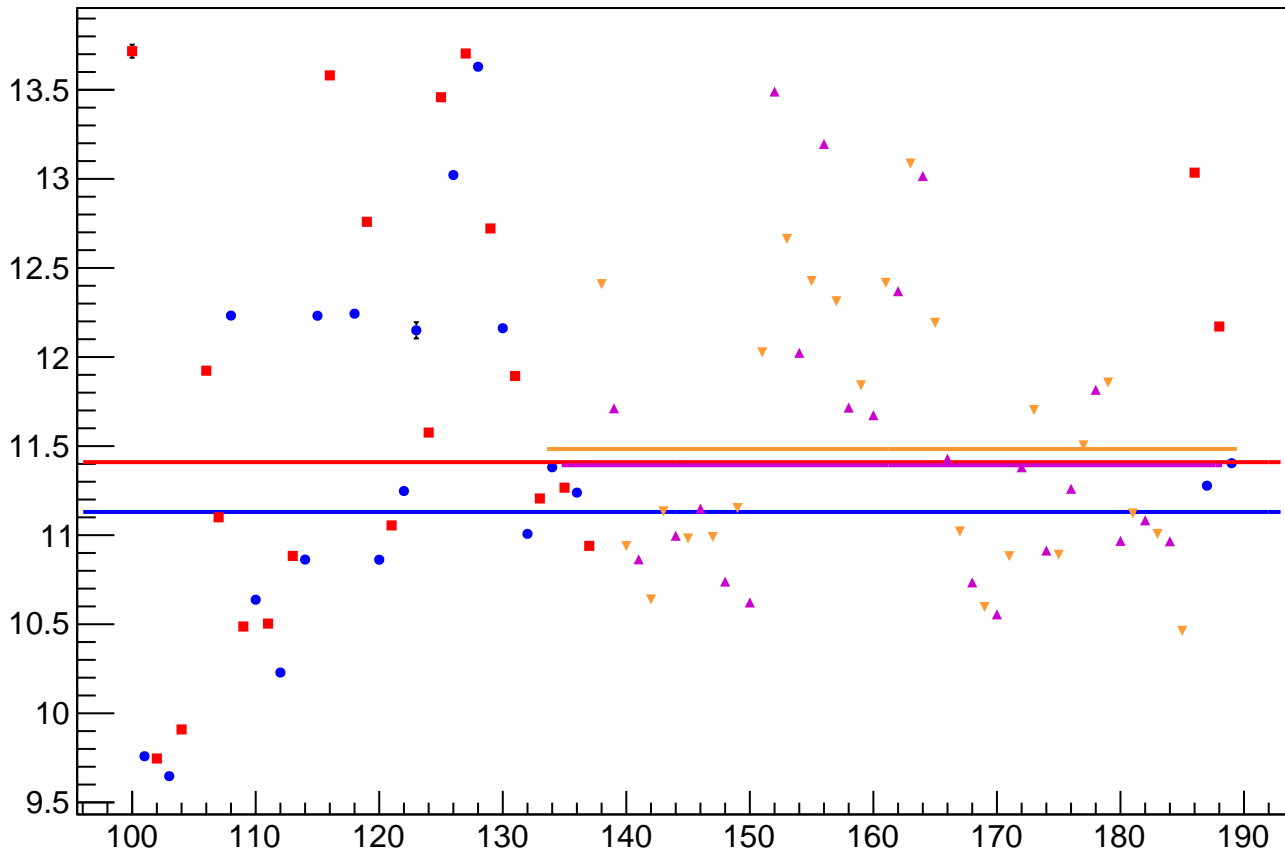
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -0.980 ± 2.262 χ^2/NDF : 40.2/43

All: -1.054 ± 1.601 χ^2/NDF : 108.5/87

- sign -1.128 ± 2.267 χ^2/NDF : 68.3/43

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.130+/-0.003 χ^2 /NDF: 133245.0/18

Left Out: 11.484+/-0.002 χ^2 /NDF: 129805.4/24

Right Out: 11.410+/-0.003 χ^2 /NDF: 169587.6/20

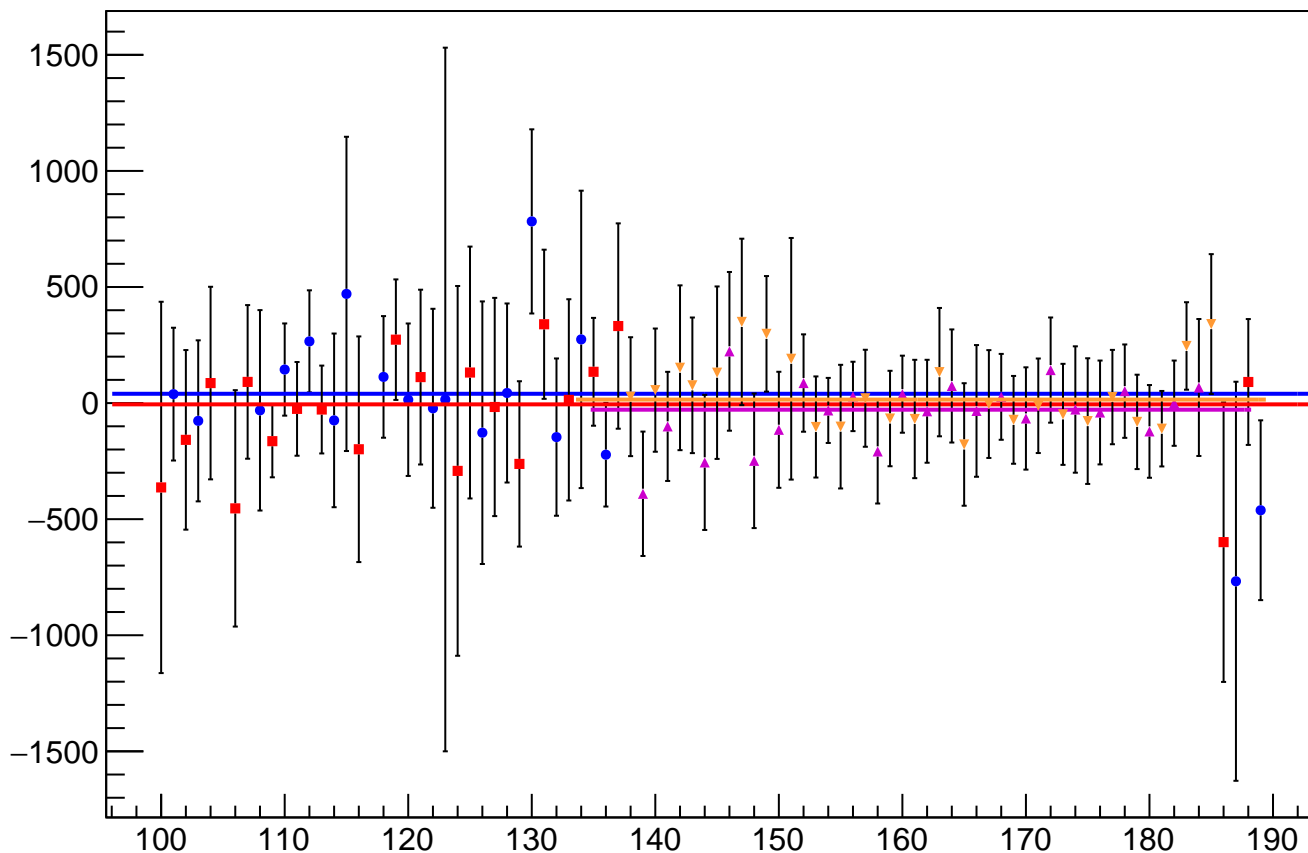
Left In: 11.392+/-0.002 χ^2 /NDF: 150493.3/22

+ sign 11.379+/-0.002 χ^2 /NDF: 273243.9/43

All: 11.388+/-0.001 χ^2 /NDF: 593423.7/87

- sign 11.398+/-0.002 χ^2 /NDF: 320106.8/43

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 40.097+/-77.511 χ^2 /NDF: 10.0/18

Left Out: 15.130+/-47.705 χ^2 /NDF:8.0/24

Right Out: -5.477+/-67.525 χ^2 /NDF: 7.6/20

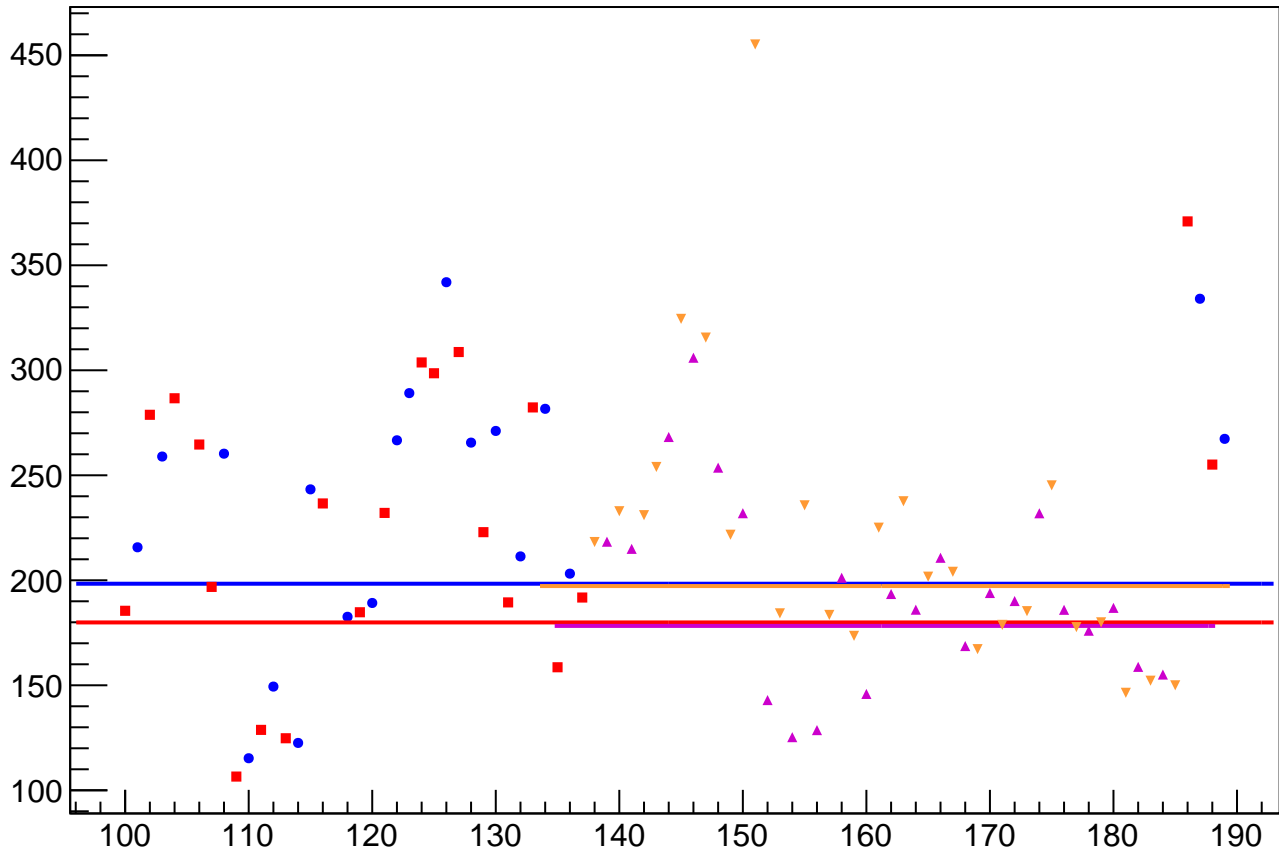
Left In: -28.500+/-44.797 χ^2 /NDF:6.4/22

+ sign 21.989+/-40.627 χ^2 /NDF: 18.1/43

All: -1.572+/-27.488 χ^2 /NDF: 32.9/87

- sign -21.464+/-37.329 χ^2 /NDF: 14.1/43

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 198.362 \pm 0.055 χ^2 /NDF: 1124790.4/18

Left Out: 197.249 \pm 0.034 χ^2 /NDF: 1786808.1/24

Right Out: 179.928 \pm 0.048 χ^2 /NDF: 1942711.3/20

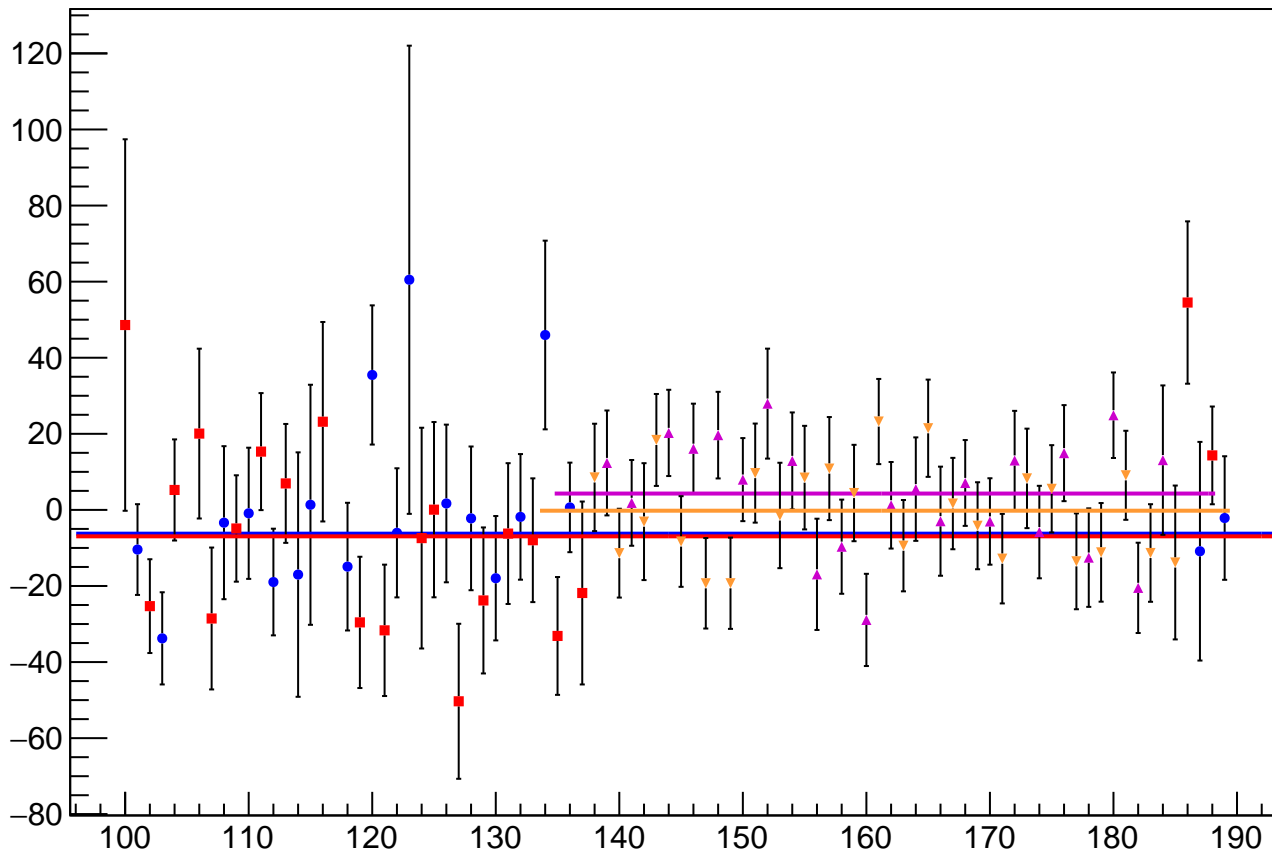
Left In: 178.277 \pm 0.032 χ^2 /NDF: 1628916.6/22

+ sign 197.555 \pm 0.029 χ^2 /NDF: 2911897.3/43

All: 187.375 \pm 0.019 χ^2 /NDF: 6715916.9/87

- sign 178.782 \pm 0.026 χ^2 /NDF: 3572458.1/43

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.248 ± 3.972 $\chi^2/\text{NDF}: 18.7/18$

Left Out: -0.211 ± 2.523 $\chi^2/\text{NDF}: 24.5/24$

Right Out: -6.949 ± 3.829 $\chi^2/\text{NDF}: 34.8/20$

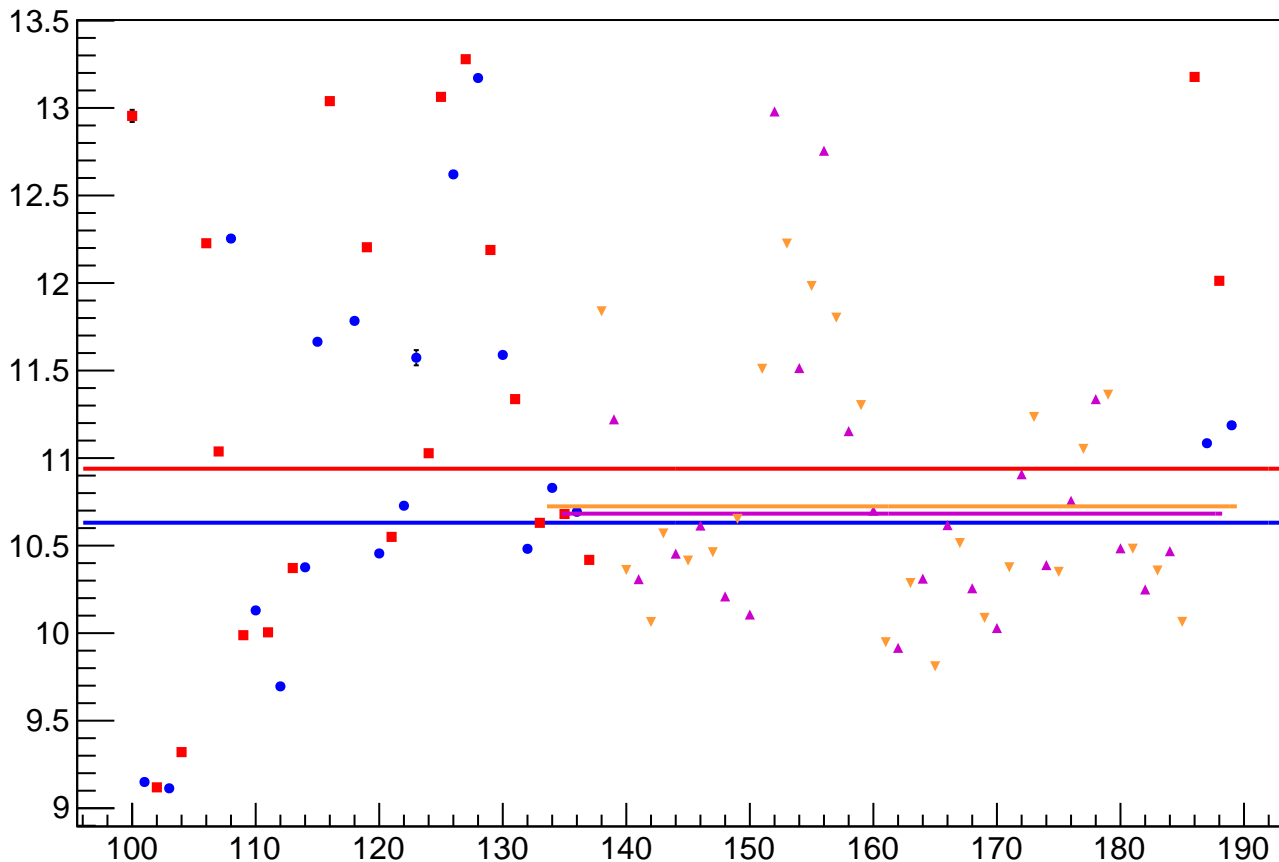
Left In: 4.298 ± 2.589 $\chi^2/\text{NDF}: 31.6/22$

+ sign -1.947 ± 2.130 $\chi^2/\text{NDF}: 44.9/43$

All: -0.598 ± 1.511 $\chi^2/\text{NDF}: 118.0/87$

- sign 0.769 ± 2.145 $\chi^2/\text{NDF}: 72.3/43$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.631 \pm 0.003 χ^2 /NDF: 162902.9/18

Left Out: 10.724 \pm 0.002 χ^2 /NDF: 132558.9/24

Right Out: 10.939 \pm 0.003 χ^2 /NDF: 218205.2/20

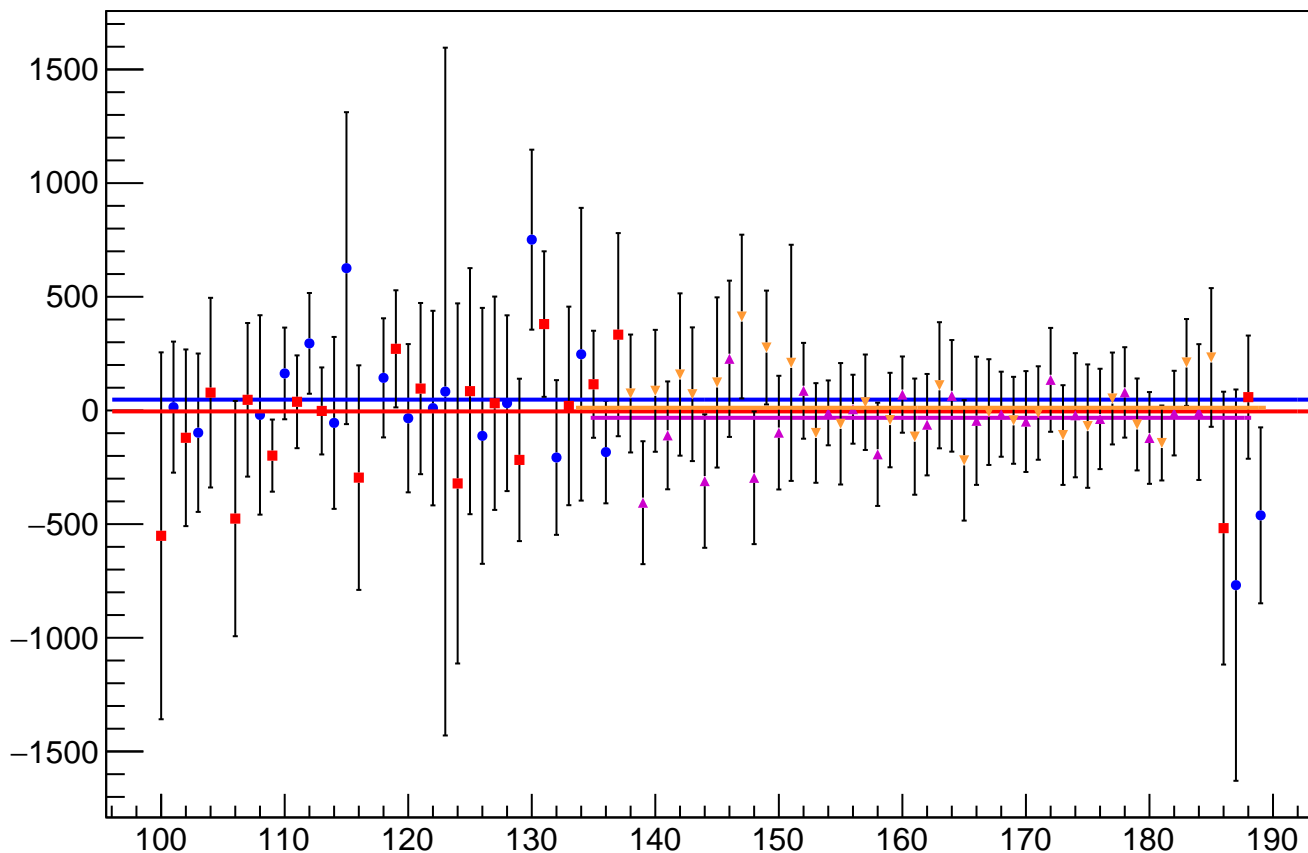
Left In: 10.683 \pm 0.002 χ^2 /NDF: 147835.6/22

+ sign 10.697 \pm 0.002 χ^2 /NDF: 296248.4/43

All: 10.730 \pm 0.001 χ^2 /NDF: 669402.8/87

- sign 10.763 \pm 0.002 χ^2 /NDF: 372206.8/43

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 47.615+/-77.992 χ^2 /NDF: 10.3/18

Left Out: 11.891+/-48.022 χ^2 /NDF: 7.6/24

Right Out: -4.222+/-68.118 χ^2 /NDF: 8.2/20

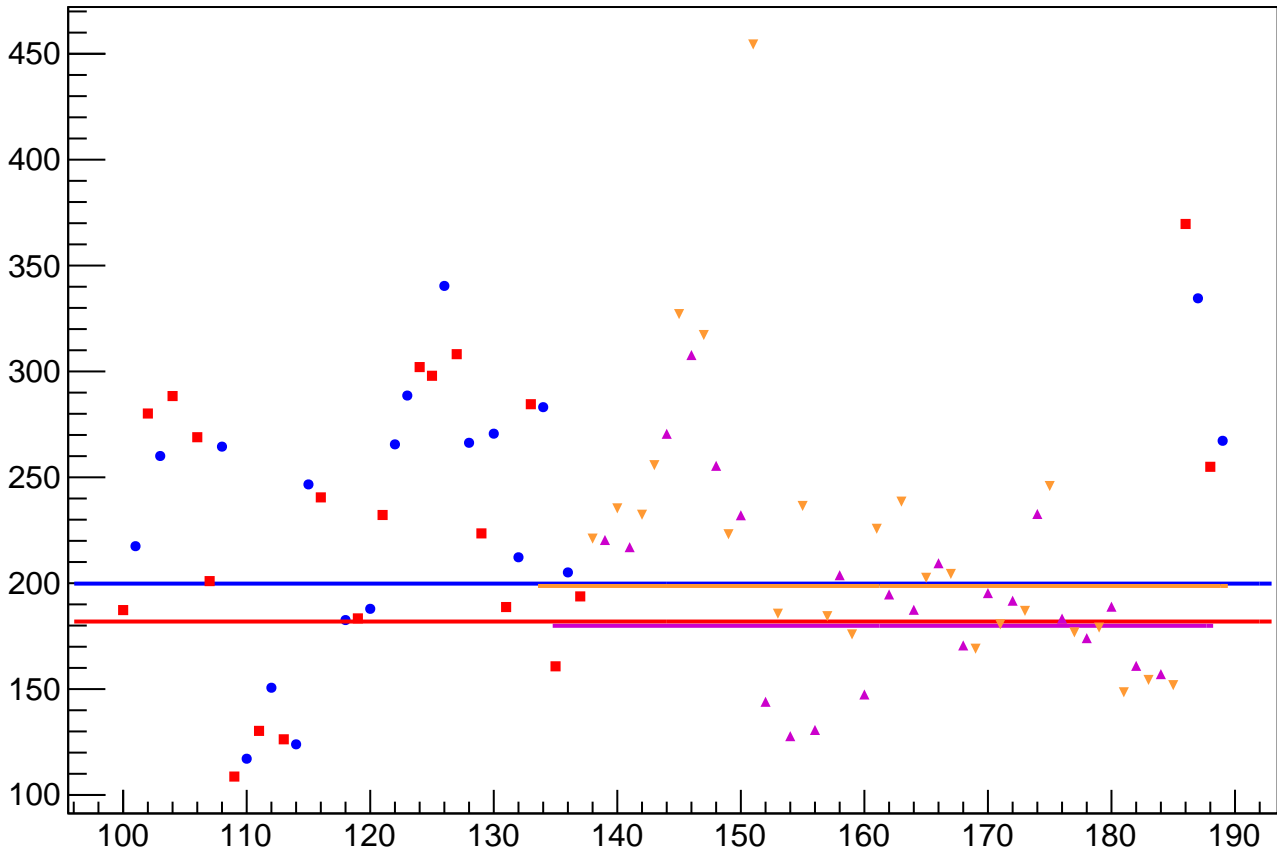
Left In: -32.413+/-45.155 χ^2 /NDF: 6.9/22

+ sign 21.711+/-40.892 χ^2 /NDF: 18.1/43

All: -2.932+/-27.693 χ^2 /NDF: 34.0/87

- sign -23.807+/-37.636 χ^2 /NDF: 15.2/43

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 199.809 \pm 0.055 χ^2 /NDF: 1095770.1/18

Left Out: 198.695 \pm 0.034 χ^2 /NDF: 1759311.9/24

Right Out: 181.902 \pm 0.048 χ^2 /NDF: 1887990.6/20

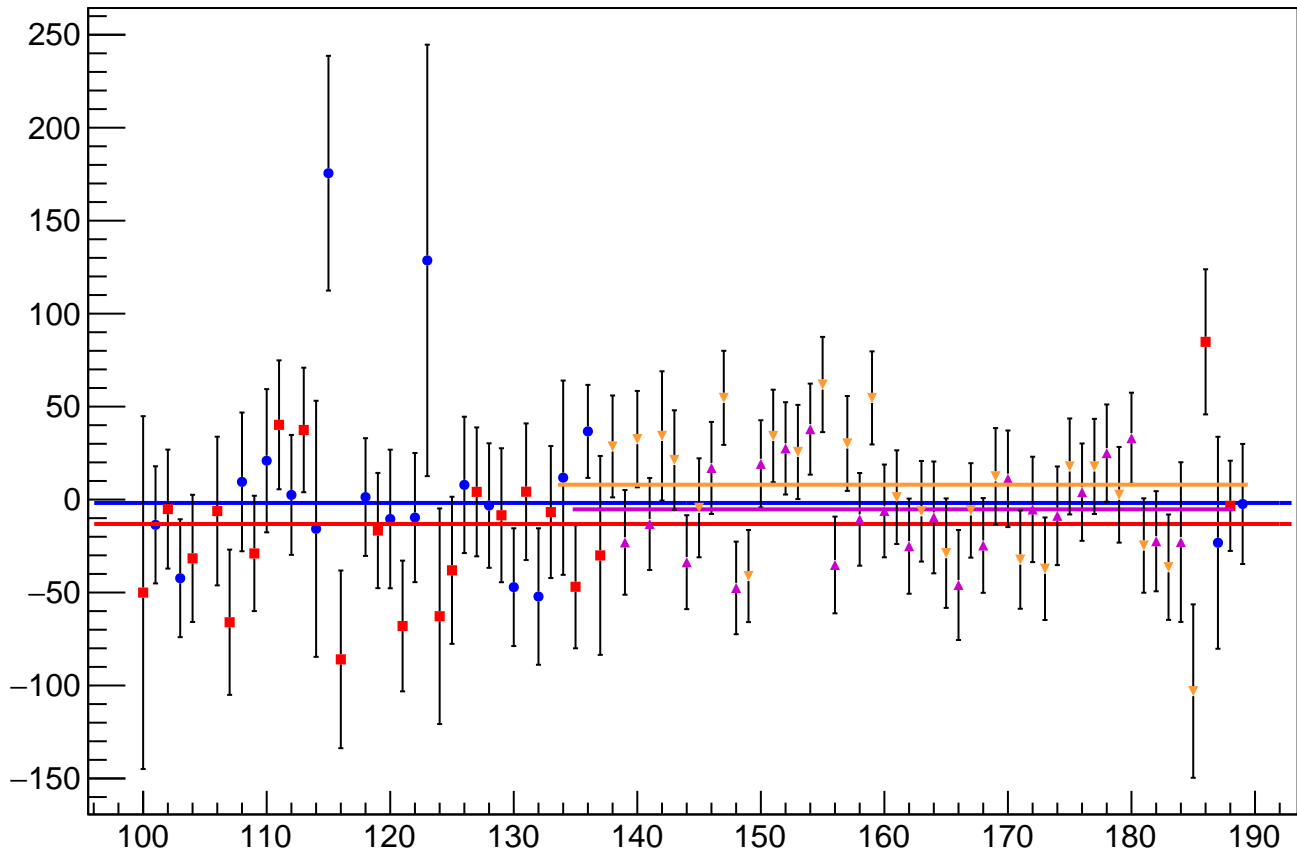
Left In: 179.886 \pm 0.032 χ^2 /NDF: 1580636.4/22

+ sign 199.001 \pm 0.029 χ^2 /NDF: 2855377.7/43

All: 188.986 \pm 0.020 χ^2 /NDF: 6546825.0/87

- sign 180.502 \pm 0.027 χ^2 /NDF: 3469843.2/43

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.818 ± 8.438 χ^2/NDF : 18.1/18

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: -13.127 ± 7.914 χ^2/NDF : 21.3/20

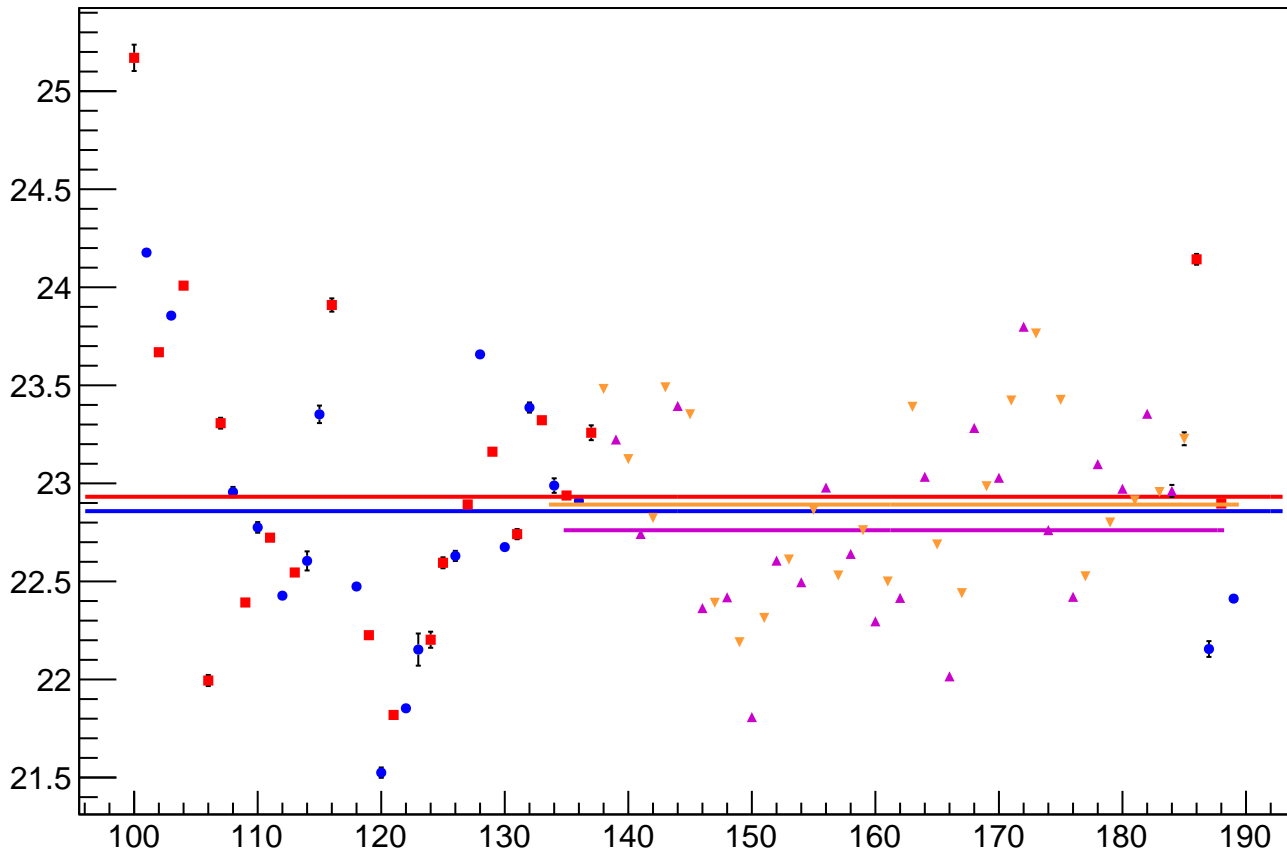
Left In: -5.261 ± 5.465 χ^2/NDF : 20.8/22

+ sign 5.199 ± 4.509 χ^2/NDF : 56.5/43

All: -1.317 ± 3.184 χ^2/NDF : 103.4/87

- sign -7.800 ± 4.497 χ^2/NDF : 42.7/43

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.858 \pm 0.006 χ^2 /NDF: 13020.9/18

Left Out: 22.892 \pm 0.004 χ^2 /NDF:12995.5/24

Right Out: 22.932 \pm 0.006 χ^2 /NDF: 13103.0/20

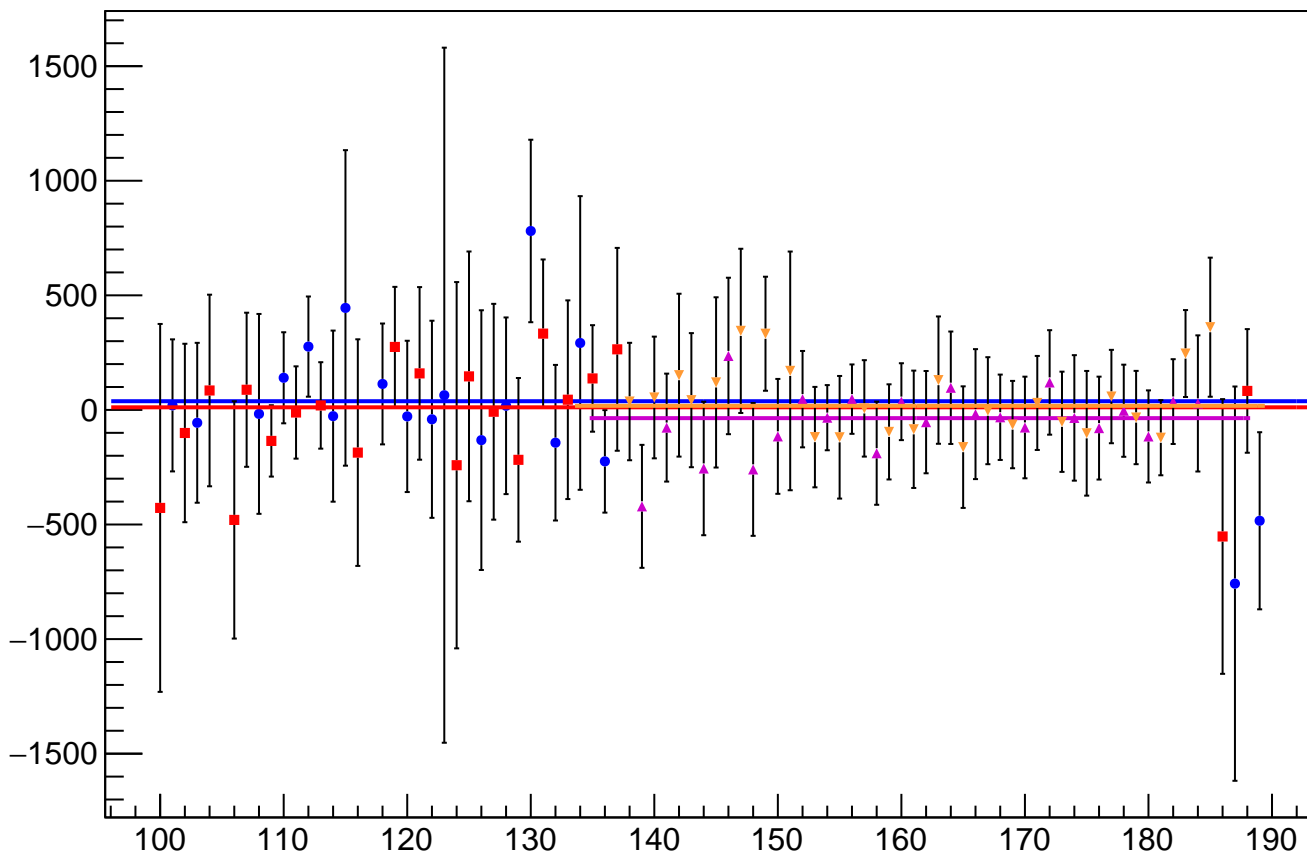
Left In: 22.761 \pm 0.004 χ^2 /NDF:14550.0/22

+ sign 22.882 \pm 0.003 χ^2 /NDF: 26039.1/43

All: 22.849 \pm 0.002 χ^2 /NDF: 54539.2/87

- sign 22.816 \pm 0.003 χ^2 /NDF: 28283.7/43

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 37.990+/-77.668 χ^2 /NDF: 10.2/18

Left Out: 17.777+/-47.941 χ^2 /NDF:8.5/24

Right Out: 11.351+/-67.654 χ^2 /NDF: 6.7/20

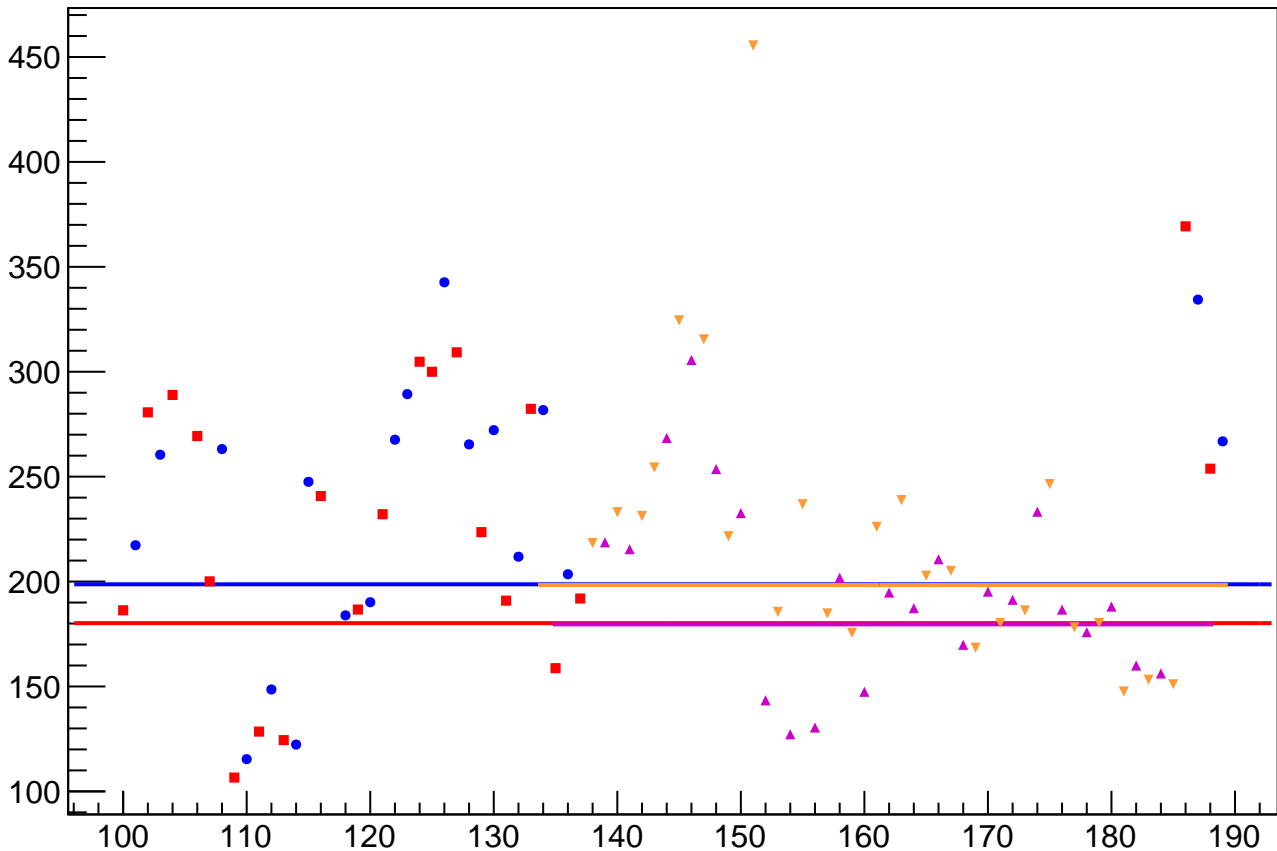
Left In: -35.879+/-45.087 χ^2 /NDF:6.3/22

+ sign 23.354+/-40.795 χ^2 /NDF: 18.7/43

All: -0.867+/-27.616 χ^2 /NDF: 32.8/87

- sign -21.353+/-37.519 χ^2 /NDF: 13.4/43

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 198.688 \pm 0.055 χ^2 /NDF: 1138096.0/18

Left Out: 198.344 \pm 0.034 χ^2 /NDF: 1757450.6/24

Right Out: 180.186 \pm 0.048 χ^2 /NDF: 1962702.9/20

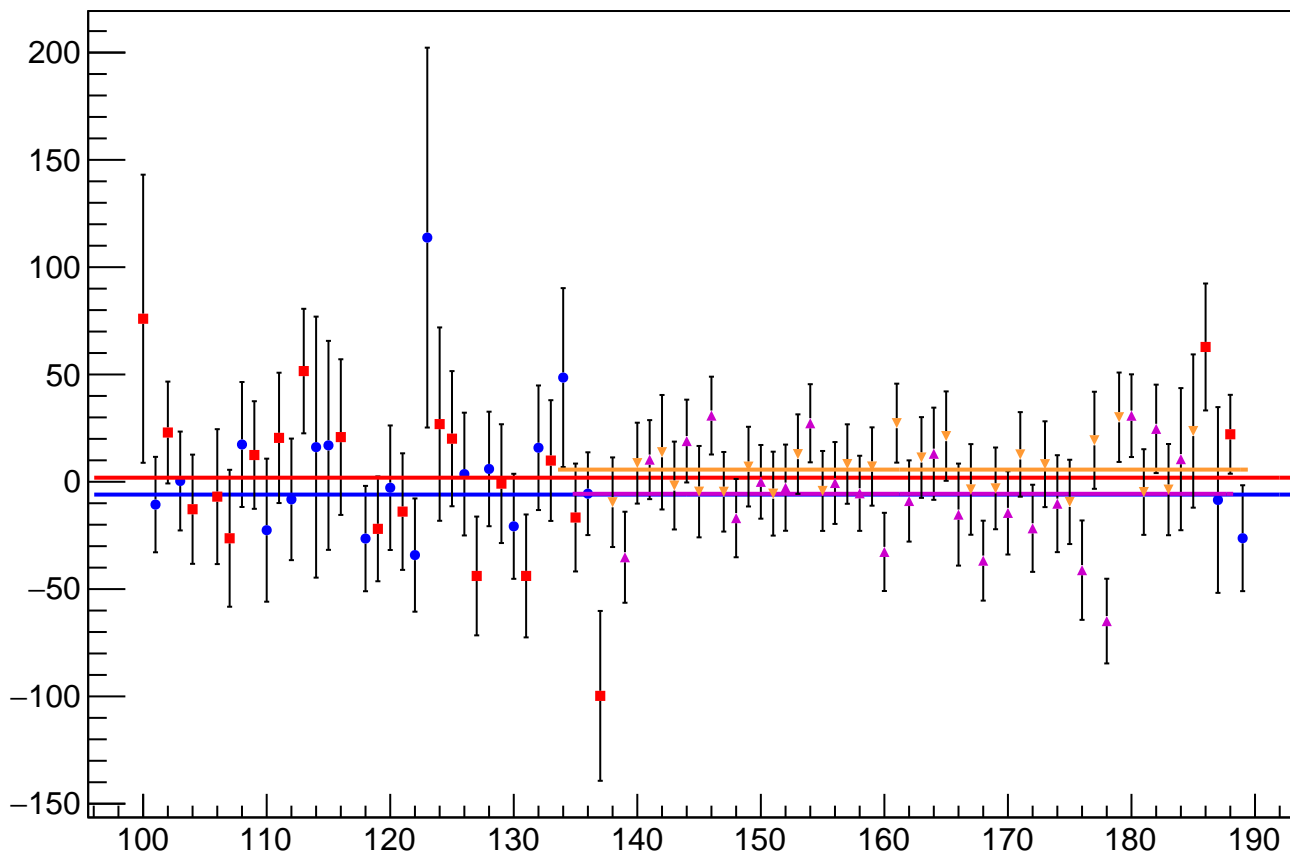
Left In: 179.605 \pm 0.032 χ^2 /NDF: 1575744.0/22

+ sign 198.439 \pm 0.029 χ^2 /NDF: 2895575.0/43

All: 188.332 \pm 0.020 χ^2 /NDF: 6660698.7/87

- sign 179.784 \pm 0.027 χ^2 /NDF: 3538549.2/43

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.962 ± 6.556 χ^2/NDF : 8.7/18

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: 1.913 ± 6.188 χ^2/NDF : 26.9/20

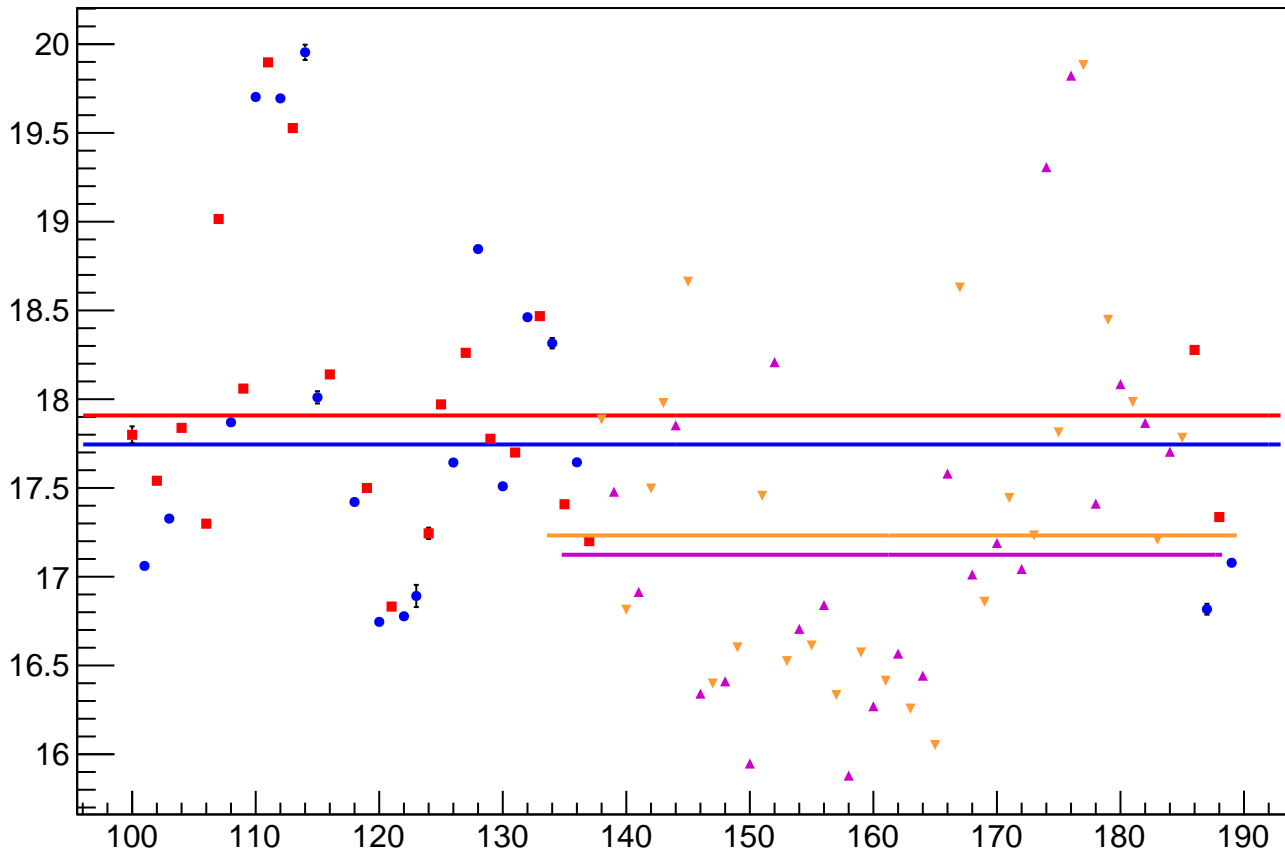
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 2.495 ± 3.429 χ^2/NDF : 18.7/43

All: -0.396 ± 2.425 χ^2/NDF : 84.4/87

- sign -3.288 ± 3.430 χ^2/NDF : 64.3/43

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.745 \pm 0.005 χ^2 /NDF: 34903.1/18

Left Out: 17.232 \pm 0.003 χ^2 /NDF:98701.0/24

Right Out: 17.908 \pm 0.004 χ^2 /NDF: 27717.4/20

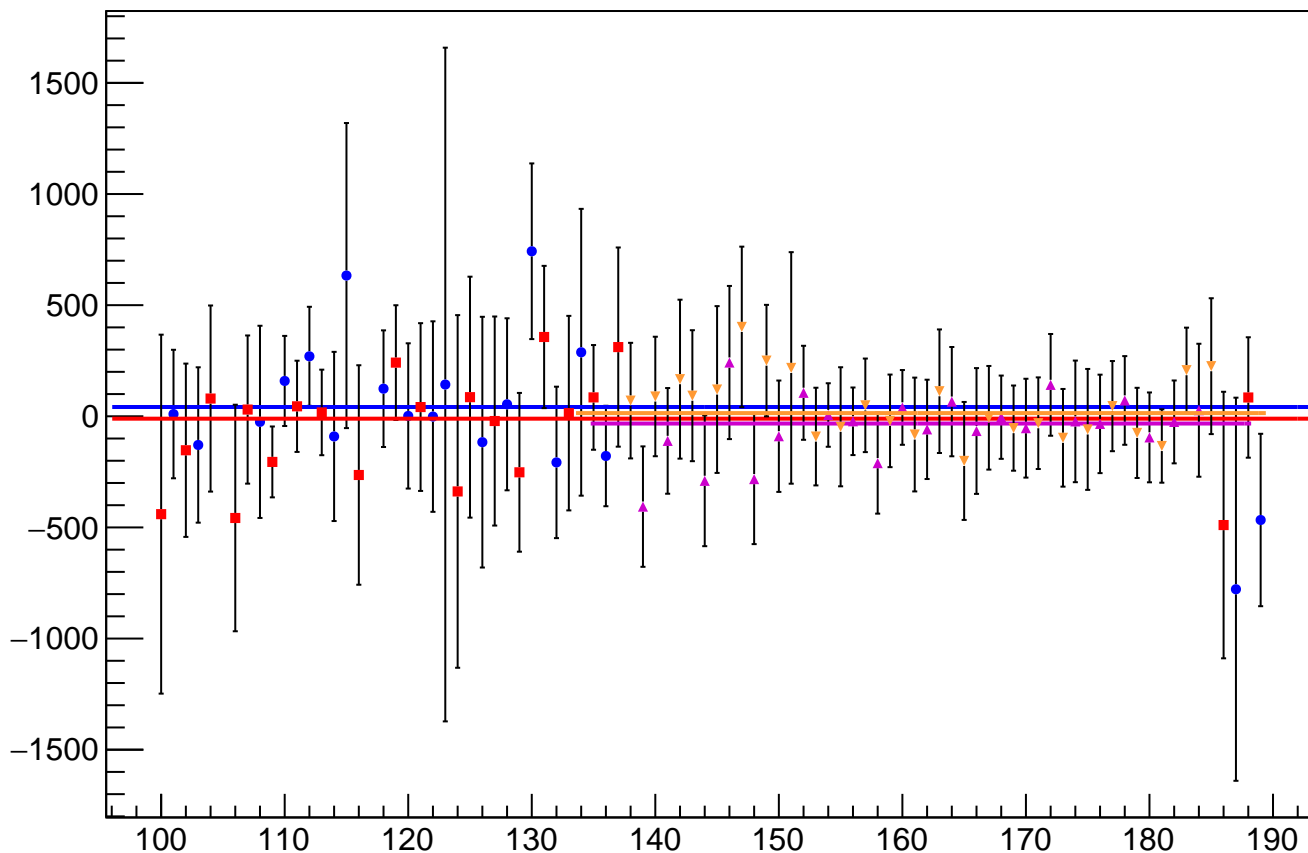
Left In: 17.124 \pm 0.003 χ^2 /NDF:100747.0/22

+ sign 17.373 \pm 0.002 χ^2 /NDF: 142485.9/43

All: 17.369 \pm 0.002 χ^2 /NDF: 293230.9/87

- sign 17.365 \pm 0.002 χ^2 /NDF: 150739.7/43

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 41.789+/-78.185 χ^2 /NDF: 10.1/18

Left Out: 14.362+/-48.130 χ^2 /NDF:6.9/24

Right Out: -10.717+/-68.256 χ^2 /NDF: 7.5/20

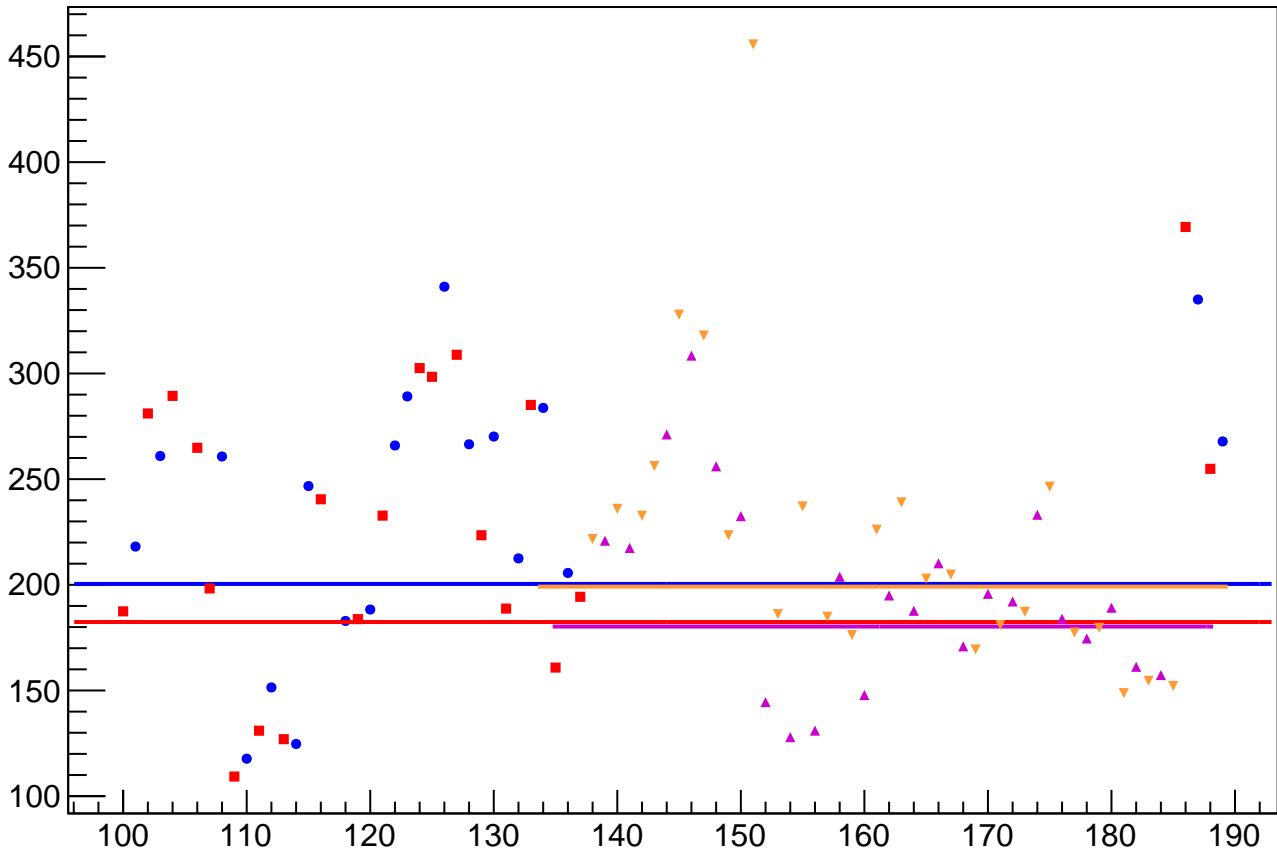
Left In: -32.571+/-45.248 χ^2 /NDF:6.7/22

+ sign 21.900+/-40.986 χ^2 /NDF: 17.2/43

All: -3.984+/-27.752 χ^2 /NDF: 32.2/87

- sign -25.899+/-37.714 χ^2 /NDF: 14.3/43

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 200.414 \pm 0.055 χ^2 /NDF: 1080249.0/18

Left Out: 199.136 \pm 0.034 χ^2 /NDF: 1760298.1/24

Right Out: 182.405 \pm 0.048 χ^2 /NDF: 1866466.6/20

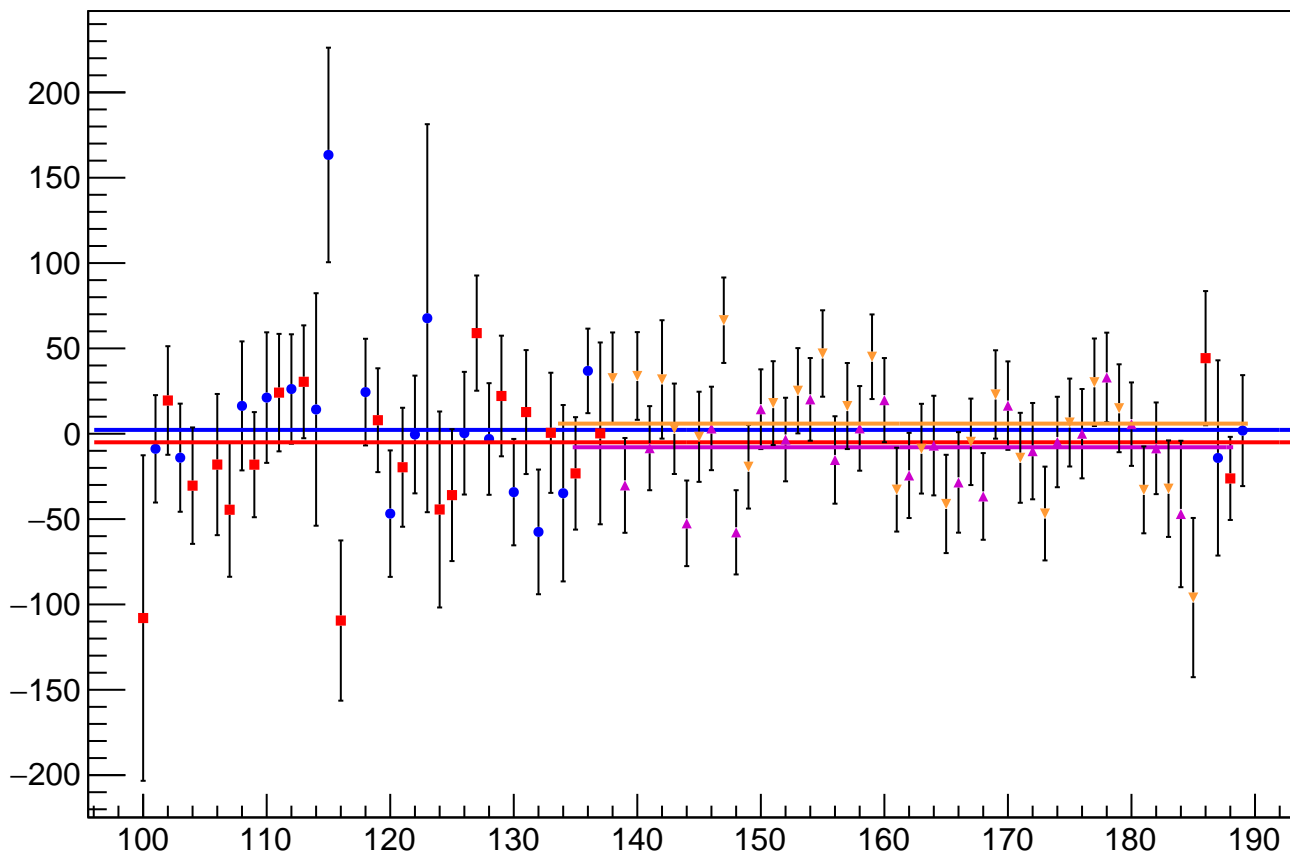
Left In: 180.256 \pm 0.032 χ^2 /NDF: 1580553.5/22

+ sign 199.487 \pm 0.029 χ^2 /NDF: 2840934.6/43

All: 189.428 \pm 0.020 χ^2 /NDF: 6511770.9/87

- sign 180.912 \pm 0.027 χ^2 /NDF: 3448396.4/43

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.259 ± 8.377 $\chi^2/\text{NDF}: 17.1/18$

Left Out: 5.937 ± 5.285 $\chi^2/\text{NDF}: 36.1/24$

Right Out: -5.008 ± 7.859 $\chi^2/\text{NDF}: 19.0/20$

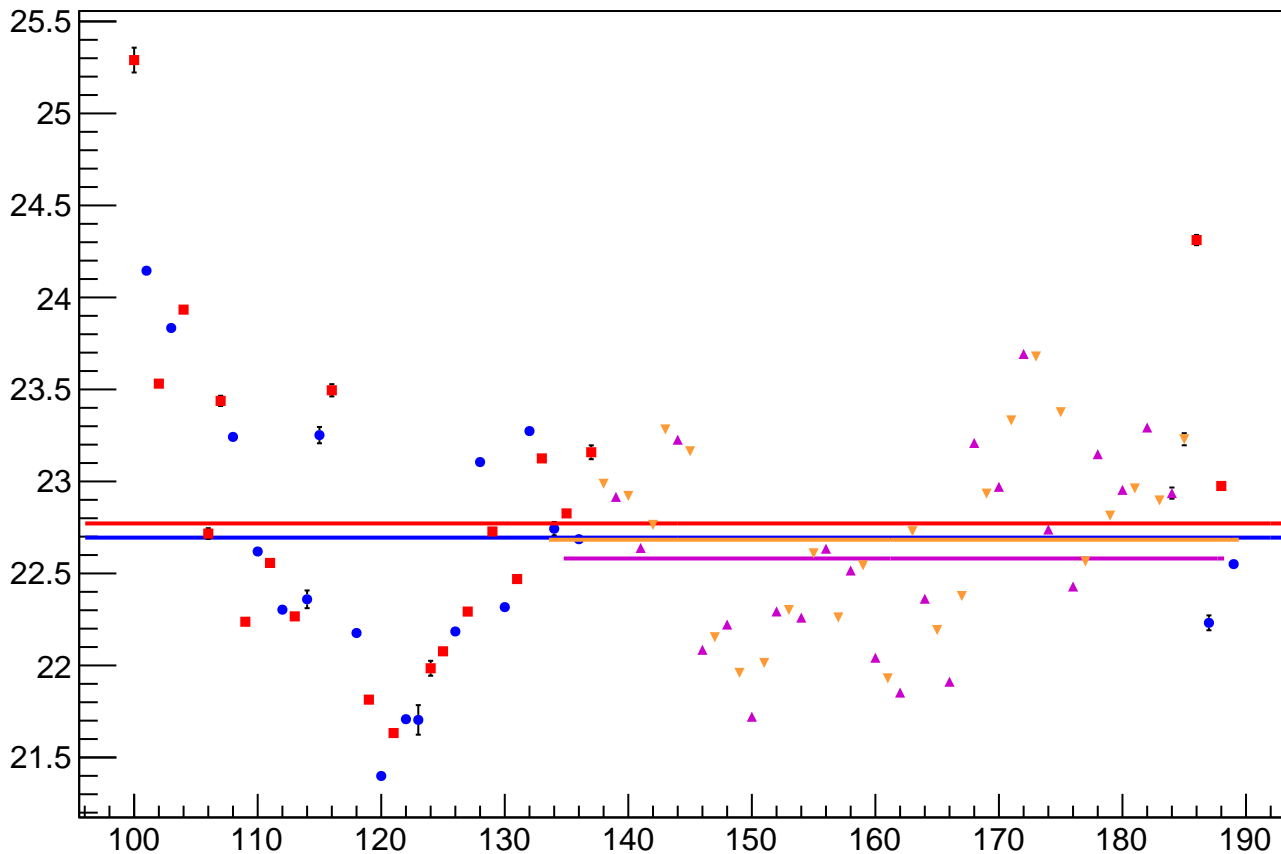
Left In: -7.915 ± 5.422 $\chi^2/\text{NDF}: 18.7/22$

+ sign 4.890 ± 4.470 $\chi^2/\text{NDF}: 53.4/43$

All: -1.053 ± 3.158 $\chi^2/\text{NDF}: 94.7/87$

- sign -6.978 ± 4.463 $\chi^2/\text{NDF}: 37.8/43$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.695 \pm 0.006 χ^2 /NDF: 14240.4/18

Left Out: 22.683 \pm 0.004 χ^2 /NDF: 16320.2/24

Right Out: 22.772 \pm 0.006 χ^2 /NDF: 16267.5/20

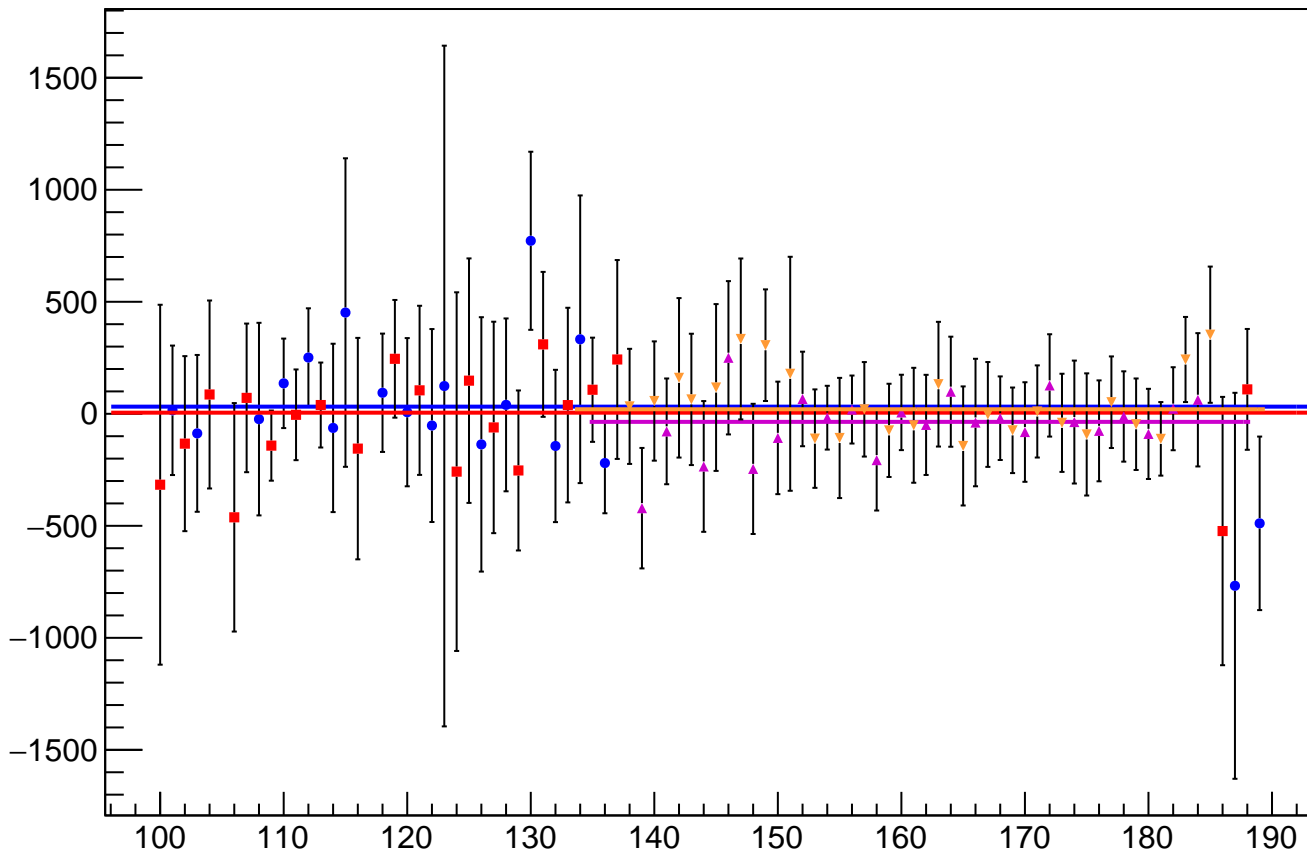
Left In: 22.581 \pm 0.004 χ^2 /NDF: 17904.5/22

+ sign 22.686 \pm 0.003 χ^2 /NDF: 30563.3/43

All: 22.665 \pm 0.002 χ^2 /NDF: 65626.6/87

- sign 22.643 \pm 0.003 χ^2 /NDF: 34967.4/43

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 31.978+/-77.863 χ^2 /NDF: 9.9/18

Left Out: 20.306+/-48.049 χ^2 /NDF: 7.7/24

Right Out: 5.021+/-67.796 χ^2 /NDF: 6.2/20

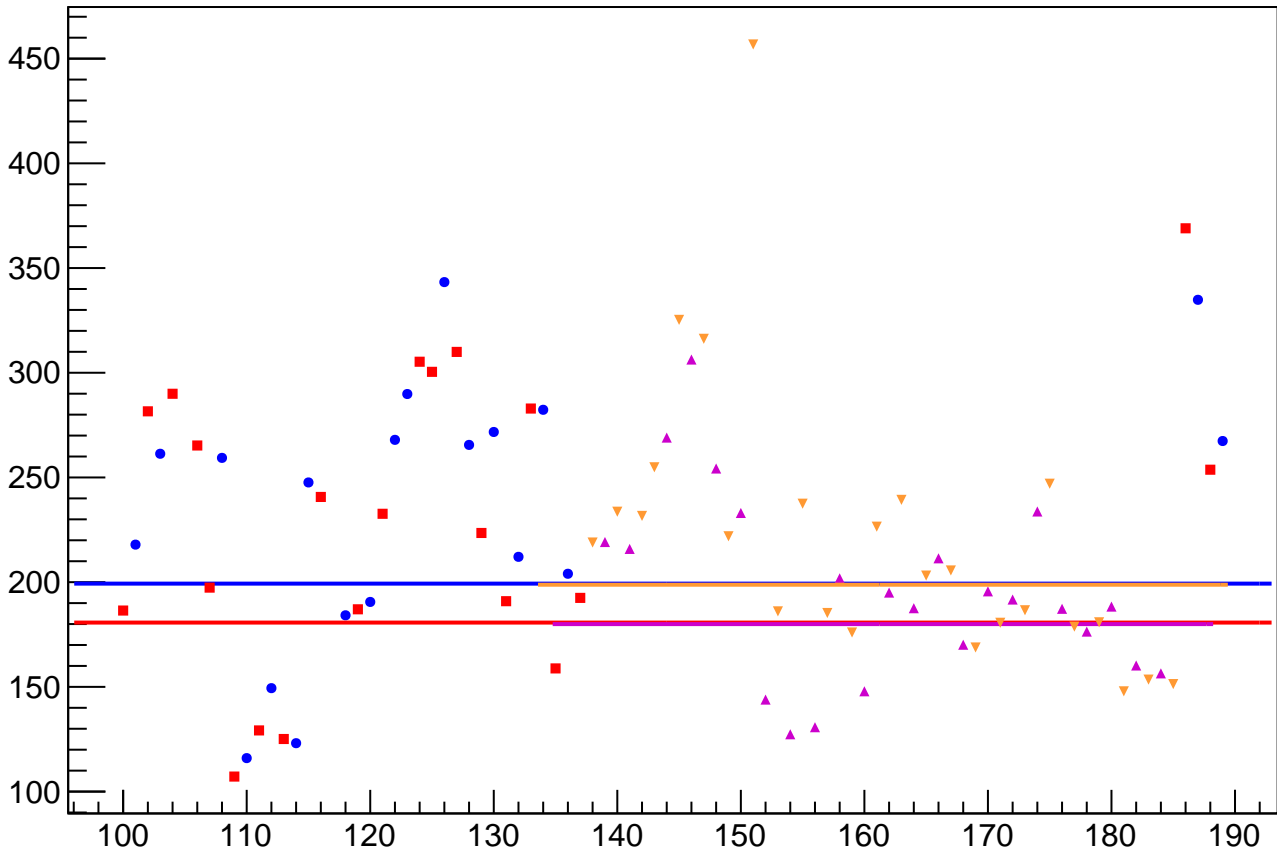
Left In: -35.996+/-45.180 χ^2 /NDF: 6.1/22

+ sign 23.525+/-40.890 χ^2 /NDF: 17.6/43

All: -1.893+/-27.676 χ^2 /NDF: 30.8/87

- sign -23.382+/-37.596 χ^2 /NDF: 12.5/43

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 199.305 \pm 0.055 χ^2 /NDF: 1121840.0/18

Left Out: 198.784 \pm 0.034 χ^2 /NDF:1758481.8/24

Right Out: 180.705 \pm 0.048 χ^2 /NDF: 1940154.1/20

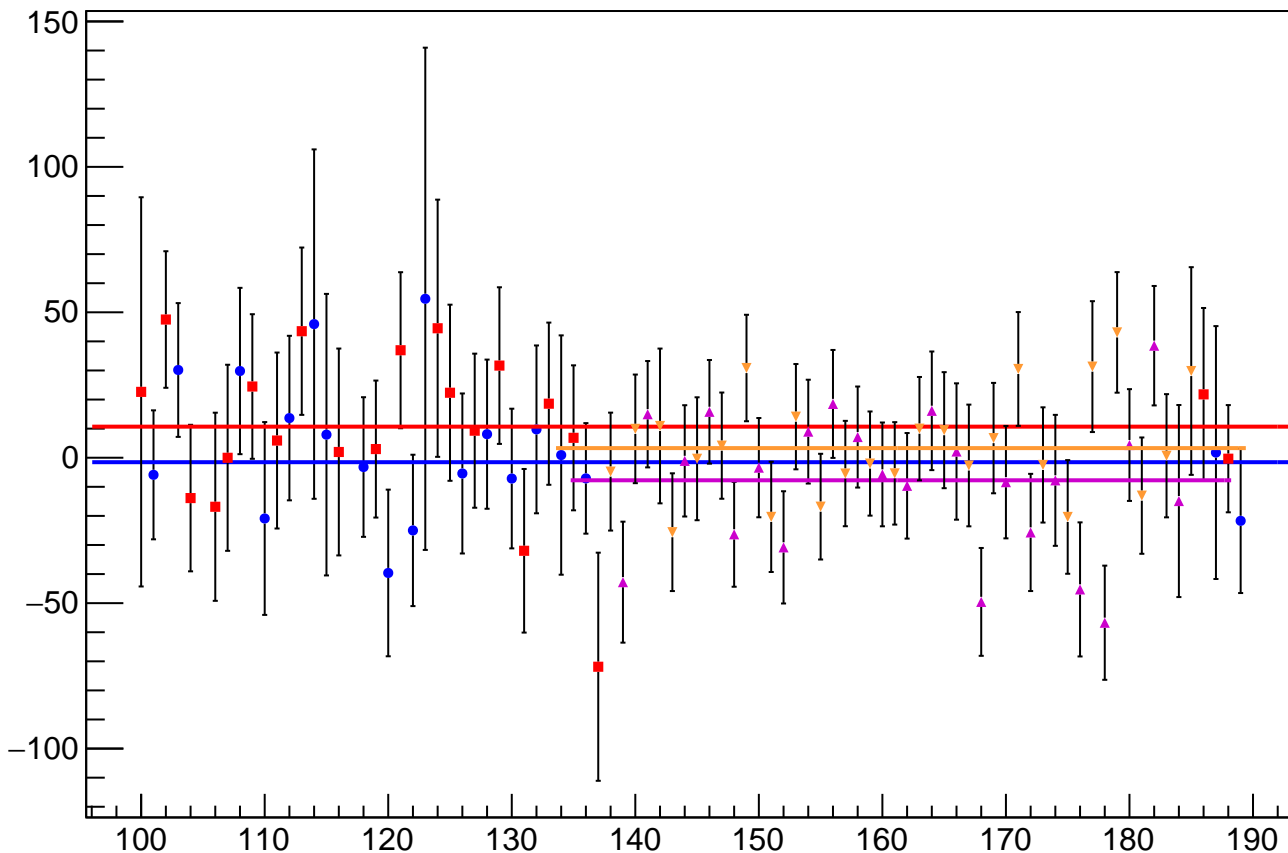
Left In: 179.972 \pm 0.032 χ^2 /NDF:1575888.3/22

+ sign 198.928 \pm 0.029 χ^2 /NDF: 2880386.6/43

All: 188.778 \pm 0.020 χ^2 /NDF: 6623994.2/87

- sign 180.198 \pm 0.027 χ^2 /NDF: 3516204.1/43

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -1.537 ± 6.473 χ^2/NDF : 8.6/18

Left Out: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: 10.685 ± 6.115 χ^2/NDF : 15.7/20

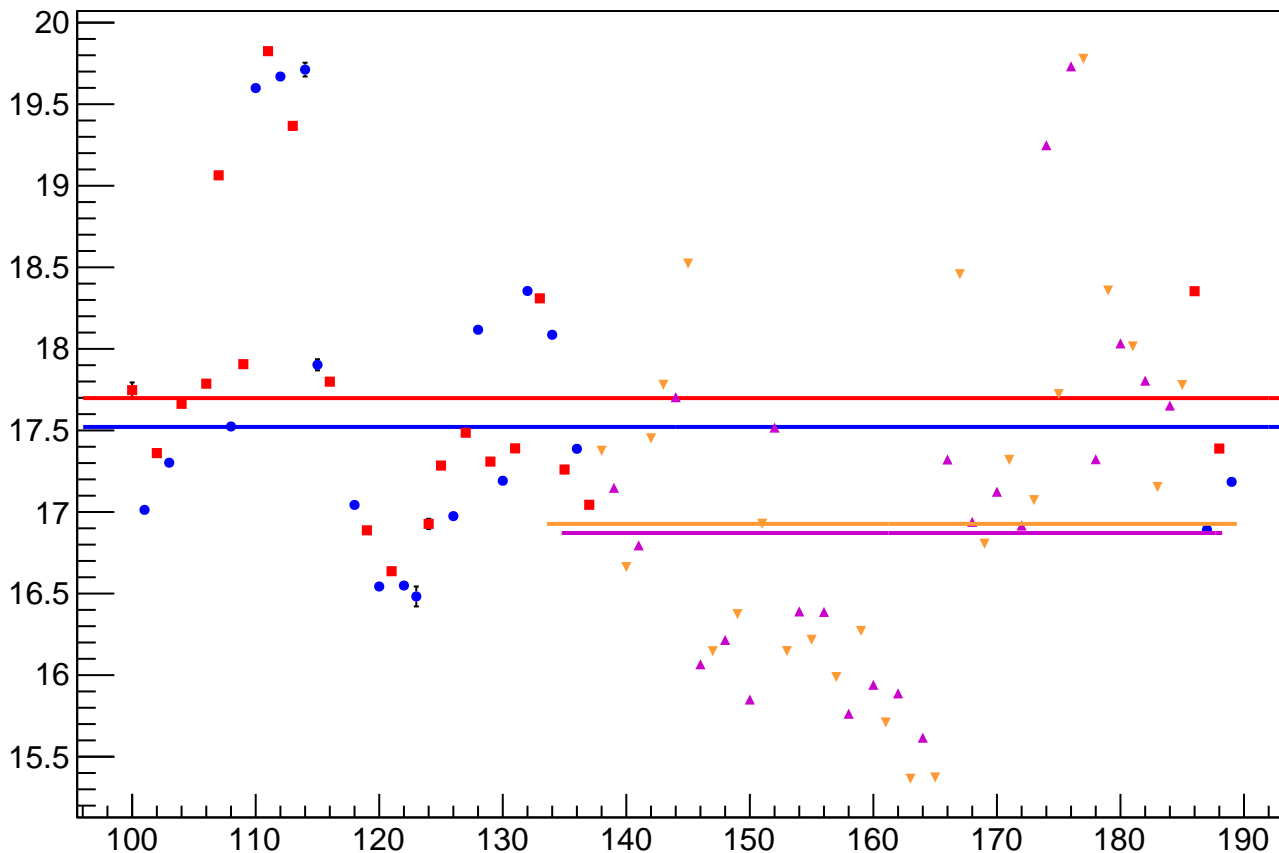
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 1.991 ± 3.374 χ^2/NDF : 27.7/43

All: -0.055 ± 2.389 χ^2/NDF : 84.7/87

- sign -2.112 ± 3.383 χ^2/NDF : 56.3/43

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.521+/-0.005 χ^2 /NDF: 34795.8/18

Left Out: 16.927+/-0.003 χ^2 /NDF:138533.2/24

Right Out: 17.698+/-0.004 χ^2 /NDF: 31790.9/20

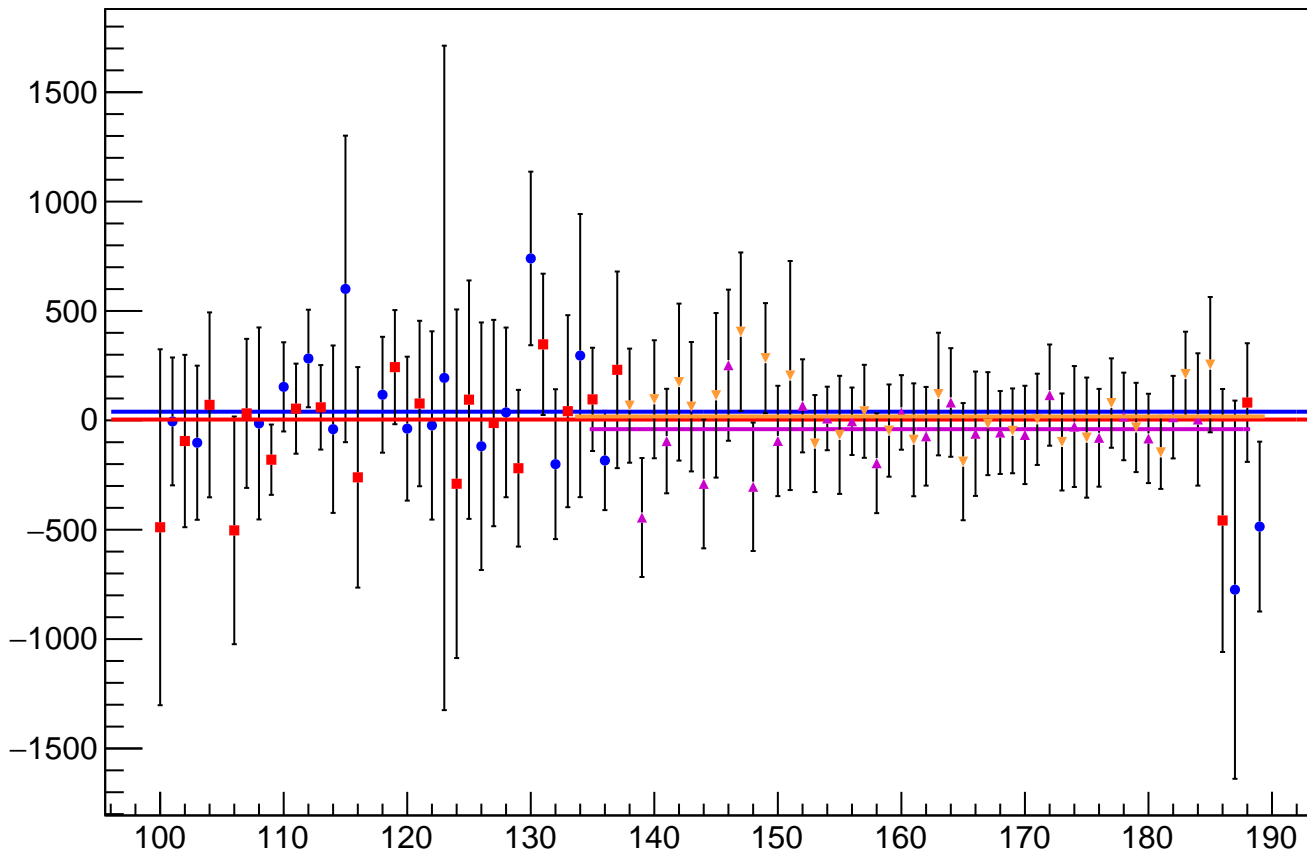
Left In: 16.871+/-0.003 χ^2 /NDF:117993.8/22

+ sign 17.089+/-0.002 χ^2 /NDF: 185600.9/43

All: 17.107+/-0.002 χ^2 /NDF: 360883.1/87

- sign 17.124+/-0.002 χ^2 /NDF: 175170.7/43

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 39.483+/-78.621 χ^2/NDF : 10.1/18

Left Out: 17.828+/-48.547 χ^2/NDF : 7.5/24

Right Out: 3.708+/-68.704 χ^2/NDF : 6.8/20

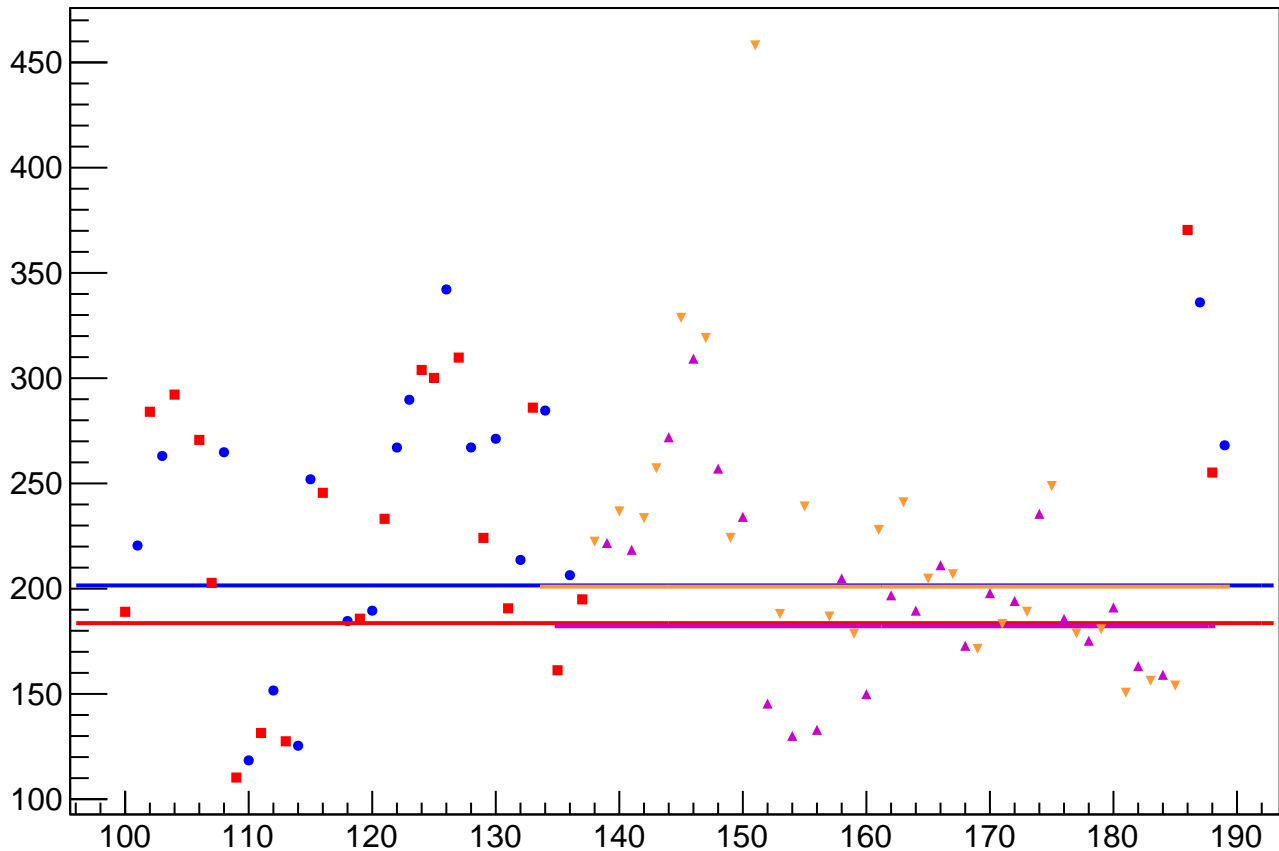
Left In: -40.355+/-45.689 χ^2/NDF : 6.6/22

+ sign 23.806+/-41.307 χ^2/NDF : 17.6/43

All: -3.598+/-27.984 χ^2/NDF : 32.1/87

- sign -26.844+/-38.044 χ^2/NDF : 13.7/43

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 201.539 \pm 0.056 χ^2 /NDF: 1083098.9/18

Left Out: 200.985 \pm 0.034 χ^2 /NDF:1727291.4/24

Right Out: 183.634 \pm 0.049 χ^2 /NDF: 1869669.1/20

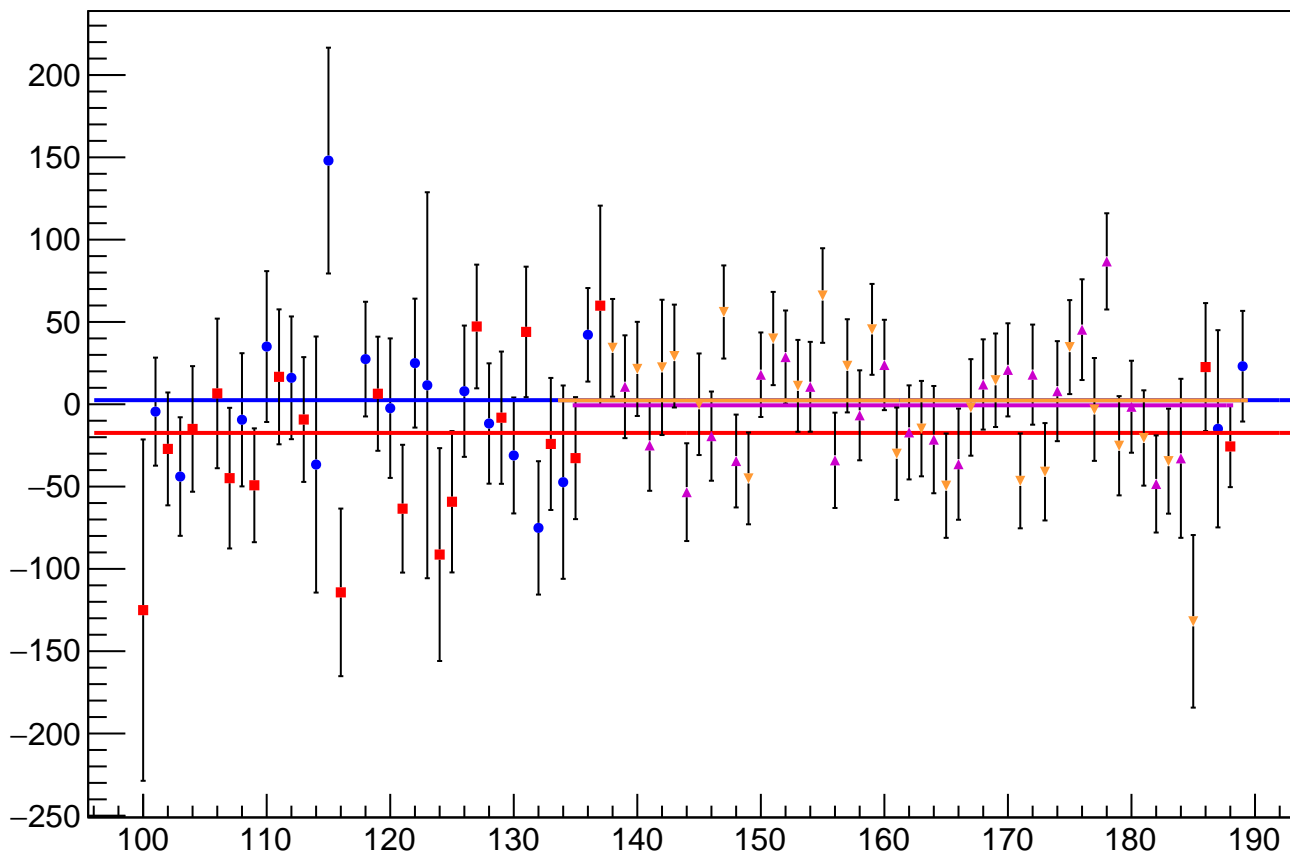
Left In: 182.158 \pm 0.032 χ^2 /NDF:1535922.8/22

+ sign 201.138 \pm 0.029 χ^2 /NDF: 2810462.2/43

All: 191.114 \pm 0.020 χ^2 /NDF: 6434387.4/87

- sign 182.611 \pm 0.027 χ^2 /NDF: 3406232.0/43

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.490 ± 9.335 $\chi^2/\text{NDF}: 15.9/18$

Left Out: 2.390 ± 5.980 $\chi^2/\text{NDF}: 39.1/24$

Right Out: -17.401 ± 8.659 $\chi^2/\text{NDF}: 19.6/20$

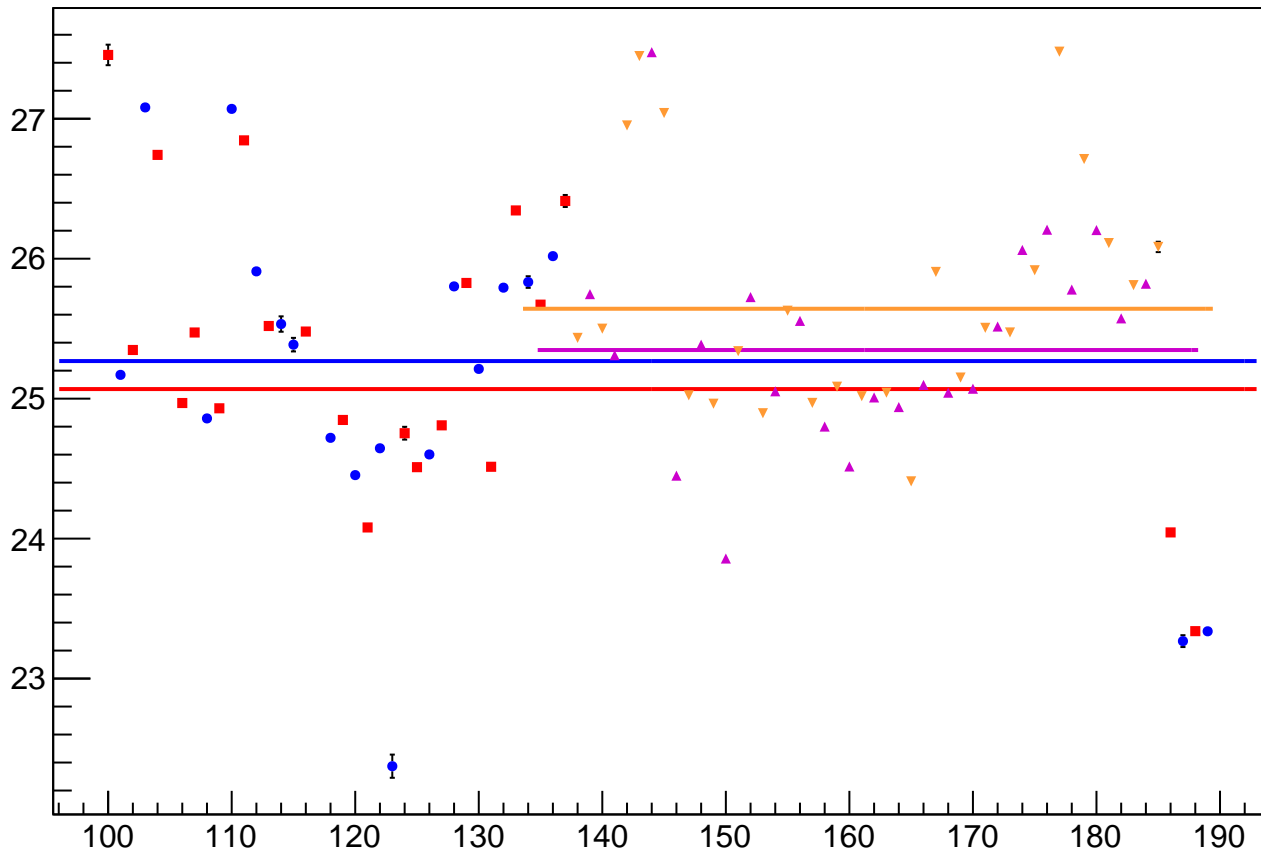
Left In: -0.641 ± 6.091 $\chi^2/\text{NDF}: 27.3/22$

+ sign 2.419 ± 5.035 $\chi^2/\text{NDF}: 55.0/43$

All: -1.931 ± 3.542 $\chi^2/\text{NDF}: 105.9/87$

- sign -6.189 ± 4.982 $\chi^2/\text{NDF}: 49.4/43$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.269+/-0.007 χ^2 /NDF: 23695.6/18

Left Out: 25.642+/-0.004 χ^2 /NDF:34802.2/24

Right Out: 25.068+/-0.006 χ^2 /NDF: 27110.3/20

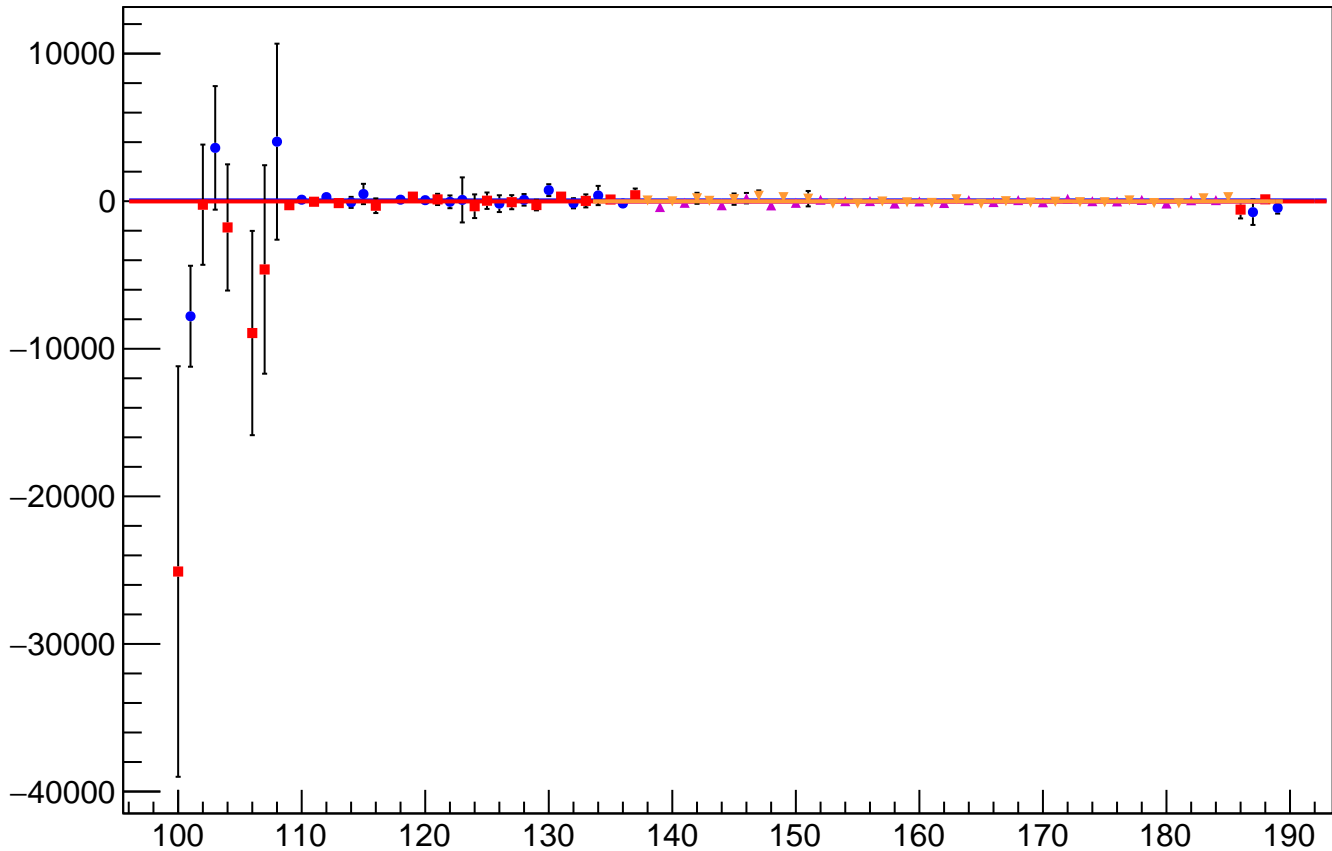
Left In: 25.347+/-0.004 χ^2 /NDF:29389.5/22

+ sign 25.534+/-0.004 χ^2 /NDF: 60770.8/43

All: 25.393+/-0.003 χ^2 /NDF: 121750.8/87

- sign 25.255+/-0.004 χ^2 /NDF: 57888.5/43

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 55.106+/-85.339 χ^2/NDF : 15.2/18

Left Out: -11.432+/-48.263 χ^2/NDF : 8.0/24

Right Out: -16.445+/-76.911 χ^2/NDF : 13.1/20

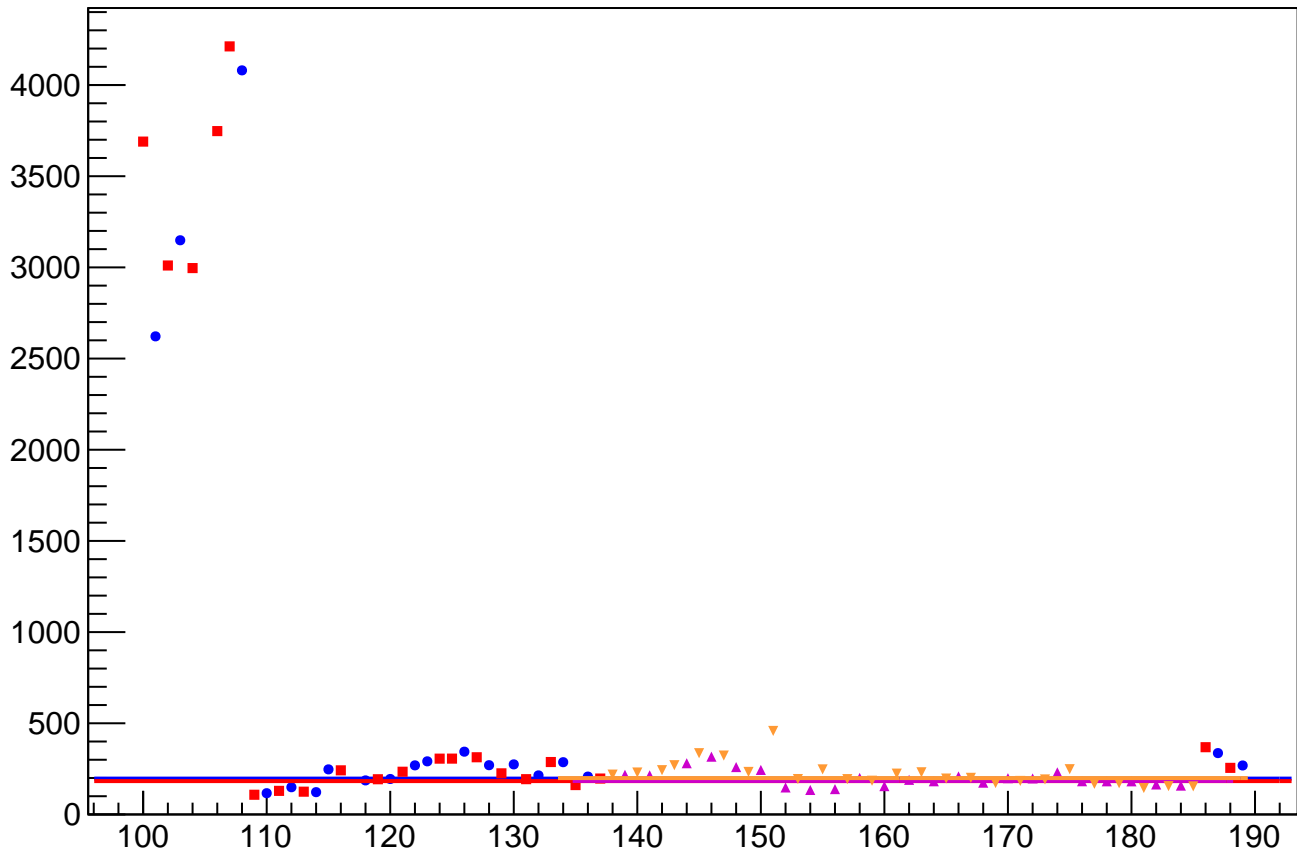
Left In: -27.098+/-45.999 χ^2/NDF : 7.2/22

+ sign 4.692+/-42.010 χ^2/NDF : 23.6/43

All: -10.700+/-28.768 χ^2/NDF : 44.2/87

- sign -24.291+/-39.477 χ^2/NDF : 20.3/43

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.546 \pm 0.060 χ^2 /NDF: 3701199.8/18

Left Out: 199.438 \pm 0.034 χ^2 /NDF: 1877848.7/24

+ sign 198.737 \pm 0.030 χ^2 /NDF: 5580788.8/43

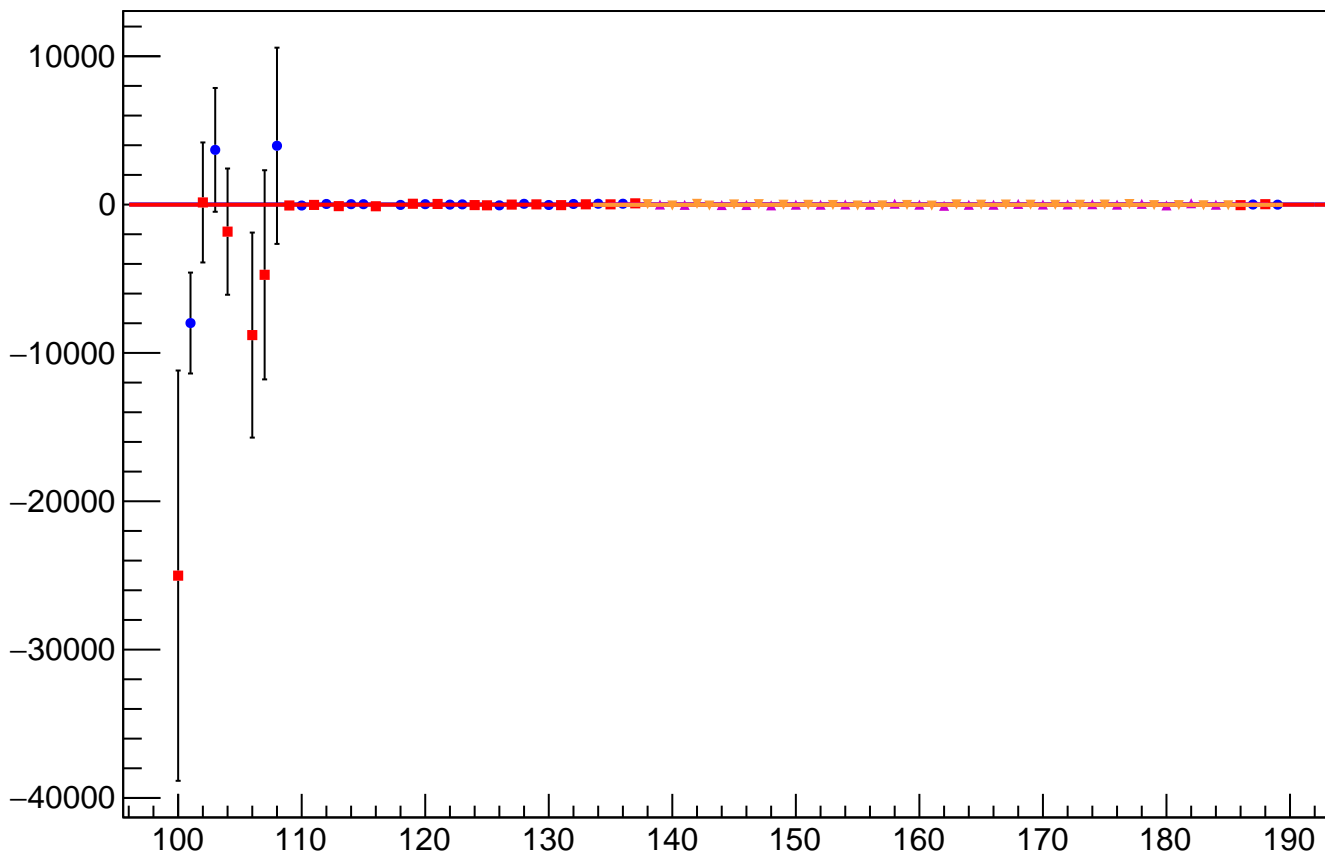
Right Out: 182.908 \pm 0.054 χ^2 /NDF: 4566754.9/20

All: 190.682 \pm 0.020 χ^2 /NDF: 11699079.0/87

Left In: 183.805 \pm 0.033 χ^2 /NDF: 1412869.6/22

- sign 183.569 \pm 0.028 χ^2 /NDF: 5979824.8/43

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 9.553+/-11.484 χ^2 /NDF: 18.5/18

Left Out: -18.118+/-6.704 χ^2 /NDF:21.7/24

Right Out: -8.011+/-11.112 χ^2 /NDF: 25.6/20

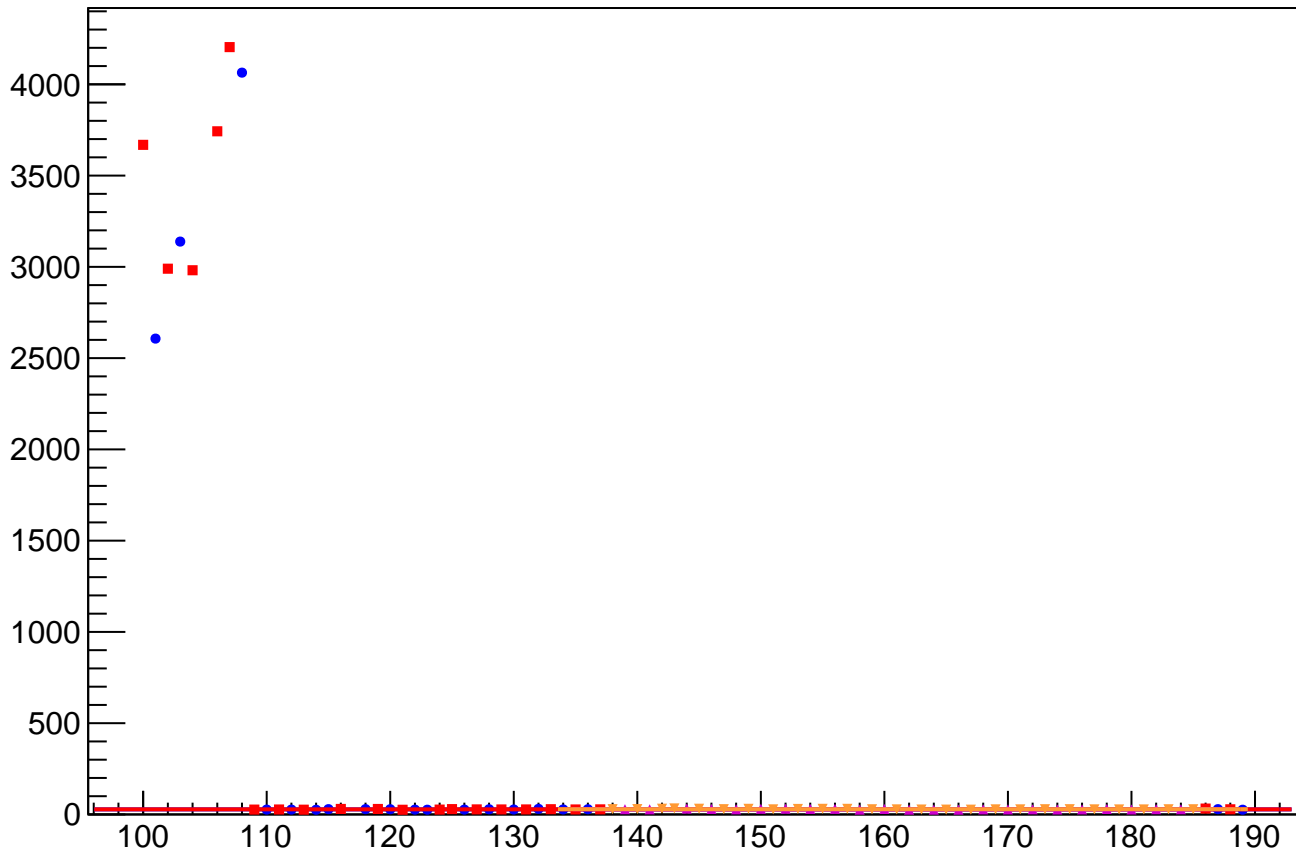
Left In: -1.267+/-6.908 χ^2 /NDF:32.0/22

+ sign -11.086+/-5.789 χ^2 /NDF: 44.6/43

All: -7.169+/-4.121 χ^2 /NDF: 103.4/87

- sign -3.147+/-5.867 χ^2 /NDF: 57.9/43

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.702 \pm 0.008 χ^2 /NDF: 3032484.5/18

Left Out: 28.694 \pm 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.990 \pm 0.008 χ^2 /NDF: 3491177.1/20

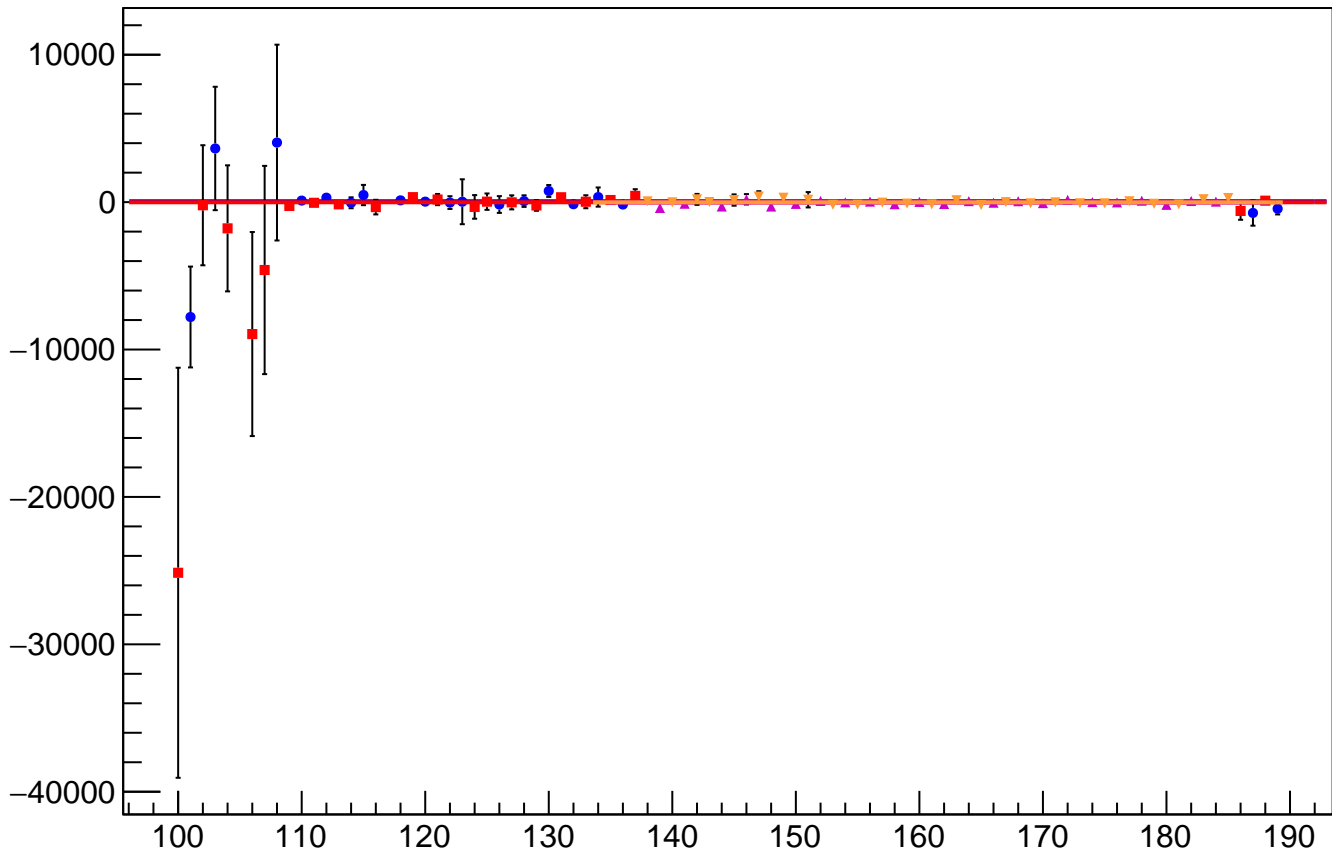
Left In: 28.677 \pm 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.442 \pm 0.004 χ^2 /NDF: 3154069.4/43

All: 28.463 \pm 0.003 χ^2 /NDF: 6774634.1/87

- sign 28.485 \pm 0.004 χ^2 /NDF: 3620509.1/43

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 59.830+/-85.079 χ^2 /NDF: 15.4/18

Left Out: -13.878+/-48.155 χ^2 /NDF:8.8/24

Right Out: -10.185+/-76.690 χ^2 /NDF: 13.9/20

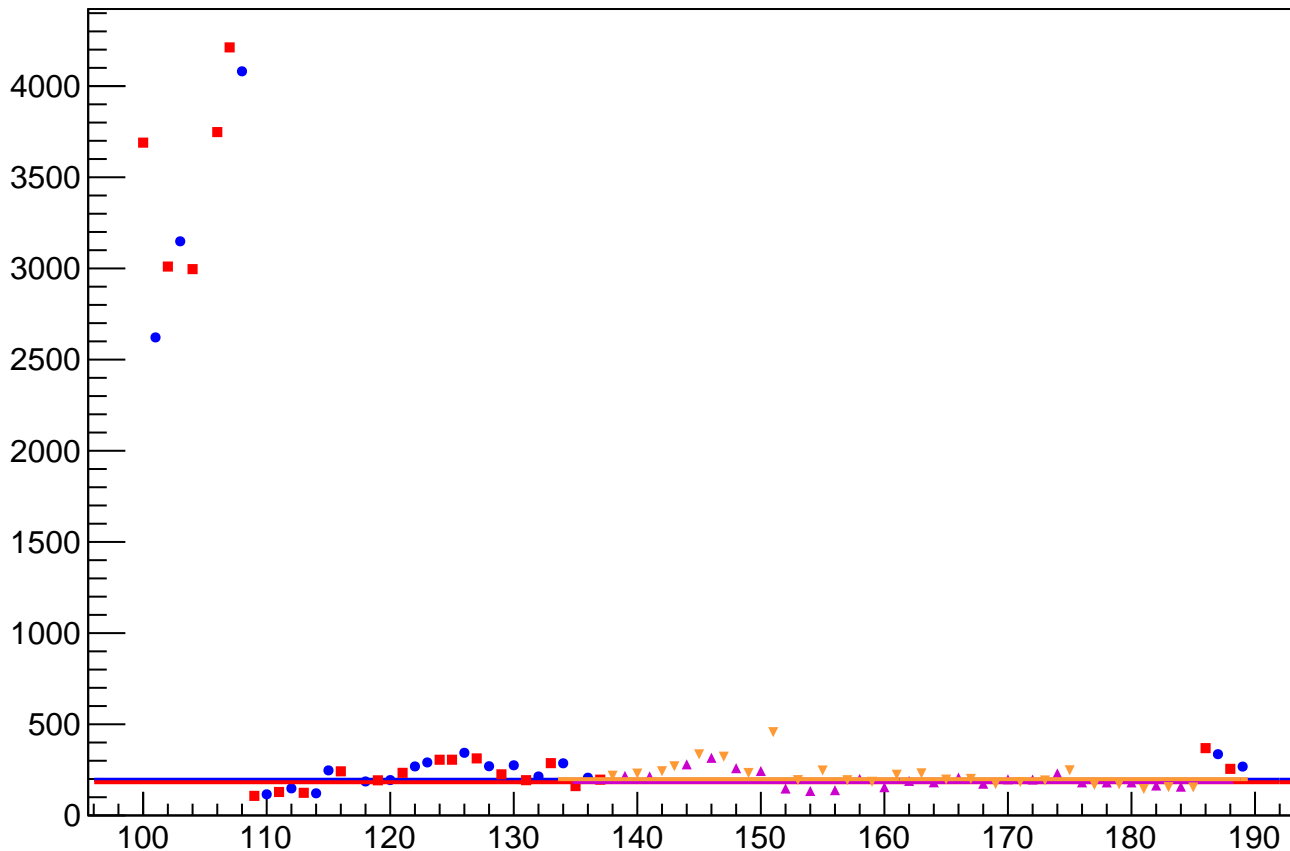
Left In: -27.286+/-45.907 χ^2 /NDF:7.5/22

+ sign 4.006+/-41.908 χ^2 /NDF: 24.8/43

All: -10.213+/-28.702 χ^2 /NDF: 46.4/87

- sign -22.775+/-39.389 χ^2 /NDF: 21.4/43

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.834 \pm 0.060 χ^2 /NDF: 3713981.2/18

Left Out: 198.997 \pm 0.034 χ^2 /NDF: 1877636.0/24

Right Out: 182.254 \pm 0.054 χ^2 /NDF: 4582880.4/20

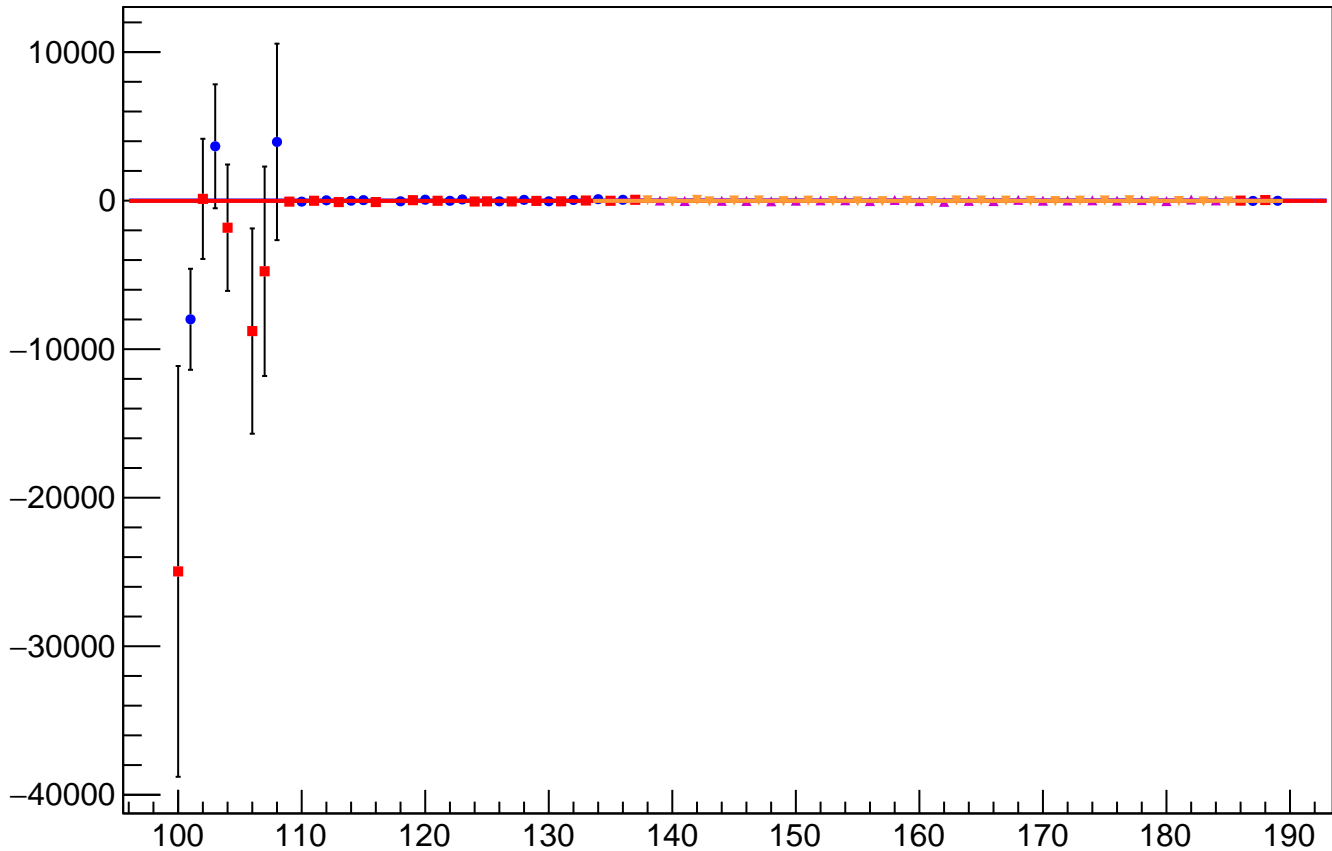
Left In: 183.442 \pm 0.032 χ^2 /NDF: 1412341.8/22

+ sign 198.229 \pm 0.030 χ^2 /NDF: 5593710.8/43

All: 190.211 \pm 0.020 χ^2 /NDF: 11727161.9/87

- sign 183.128 \pm 0.028 χ^2 /NDF: 5995575.2/43

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.942 ± 11.546 $\chi^2/\text{NDF}: 22.9/18$

Left Out: -15.829 ± 6.733 $\chi^2/\text{NDF}: 16.5/24$

Right Out: -17.647 ± 11.164 $\chi^2/\text{NDF}: 20.7/20$

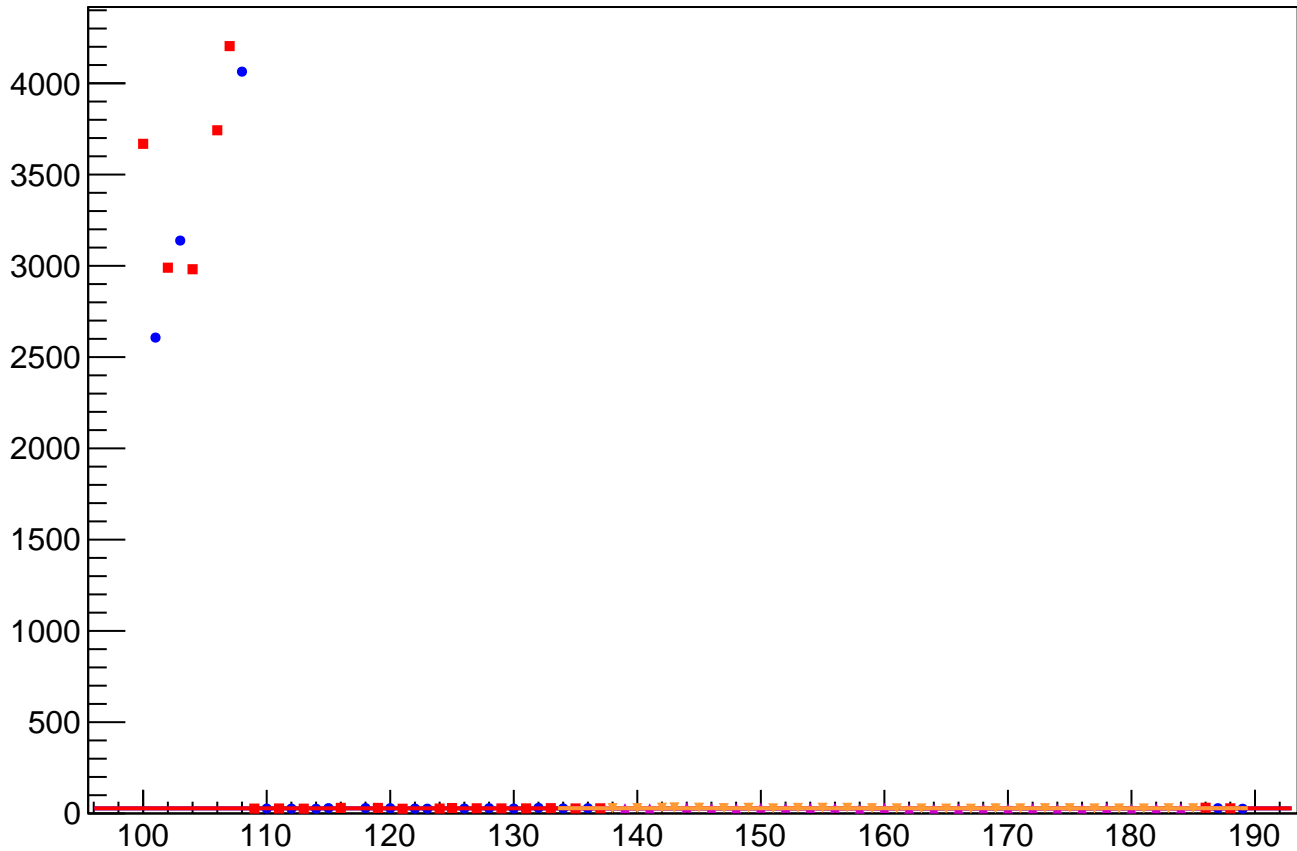
Left In: 0.498 ± 6.937 $\chi^2/\text{NDF}: 26.1/22$

+ sign -10.050 ± 5.816 $\chi^2/\text{NDF}: 42.3/43$

All: -7.339 ± 4.139 $\chi^2/\text{NDF}: 91.5/87$

- sign -4.556 ± 5.892 $\chi^2/\text{NDF}: 48.8/43$

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.844 \pm 0.008 χ^2 /NDF: 3034347.8/18

Left Out: 28.814 \pm 0.005 χ^2 /NDF: 122153.6/24

Right Out: 28.122 \pm 0.008 χ^2 /NDF: 3488197.7/20

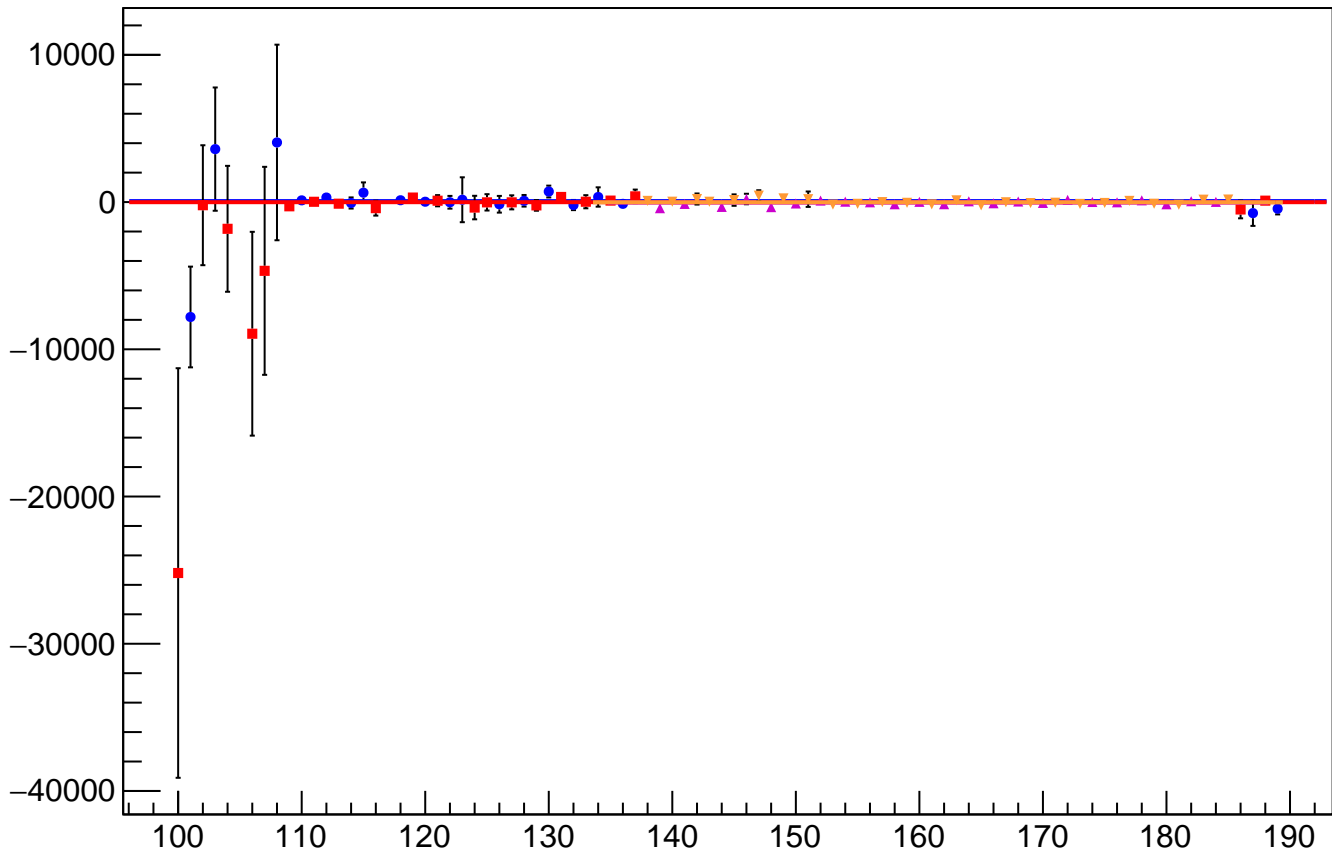
Left In: 28.797 \pm 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.568 \pm 0.004 χ^2 /NDF: 3167033.4/43

All: 28.588 \pm 0.003 χ^2 /NDF: 6788836.6/87

- sign 28.609 \pm 0.004 χ^2 /NDF: 3621753.9/43

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 66.366+/-86.045 χ^2 /NDF: 15.3/18

Left Out: -13.966+/-48.735 χ^2 /NDF: 8.1/24

Right Out: -7.758+/-77.655 χ^2 /NDF: 13.1/20

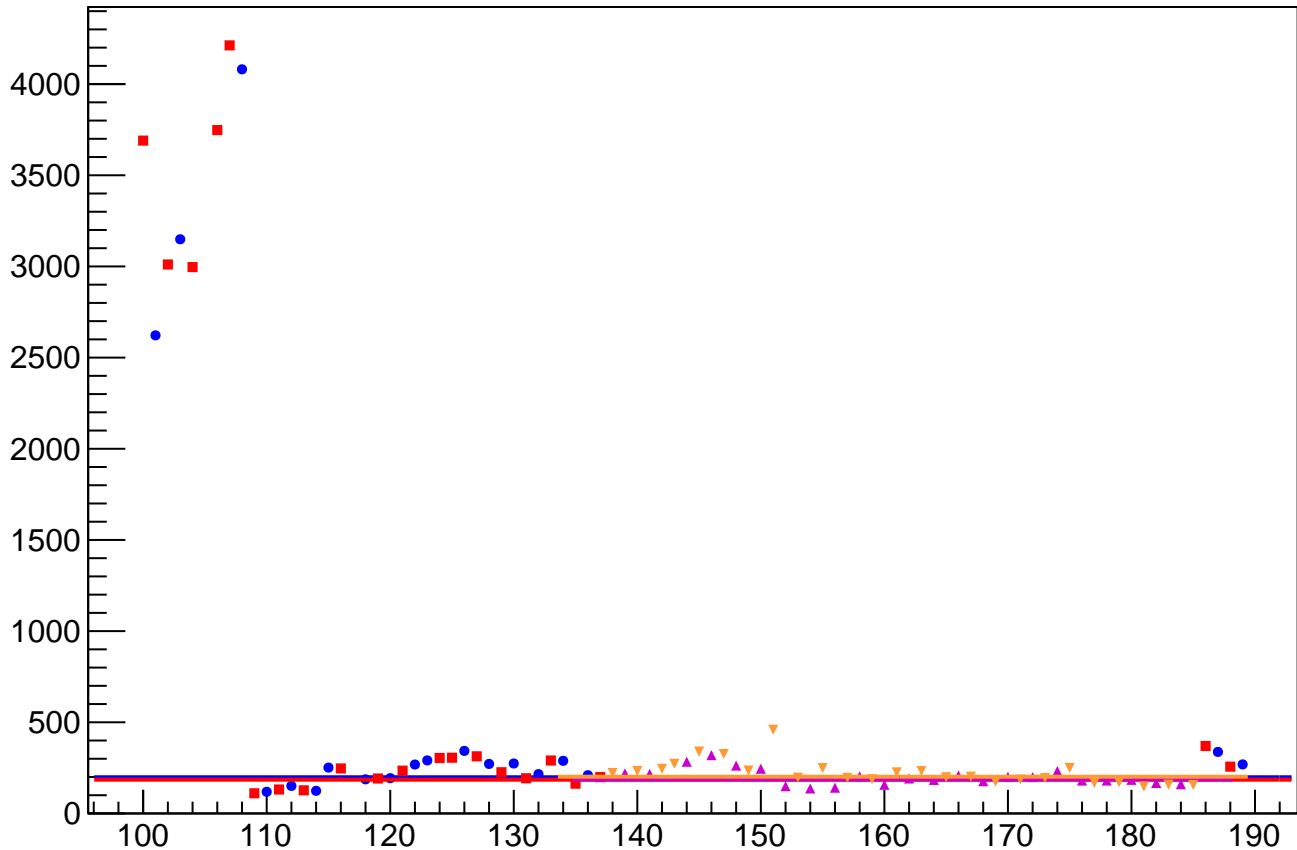
Left In: -31.477+/-46.483 χ^2 /NDF: 7.8/22

+ sign 5.546+/-42.406 χ^2 /NDF: 24.1/43

All: -10.779+/-29.053 χ^2 /NDF: 45.4/87

- sign -25.220+/-39.884 χ^2 /NDF: 21.0/43

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 198.524 \pm 0.061 χ^2 /NDF: 3661661.5/18

Left Out: 201.503 \pm 0.034 χ^2 /NDF: 1854905.1/24

Right Out: 185.131 \pm 0.055 χ^2 /NDF: 4516430.3/20

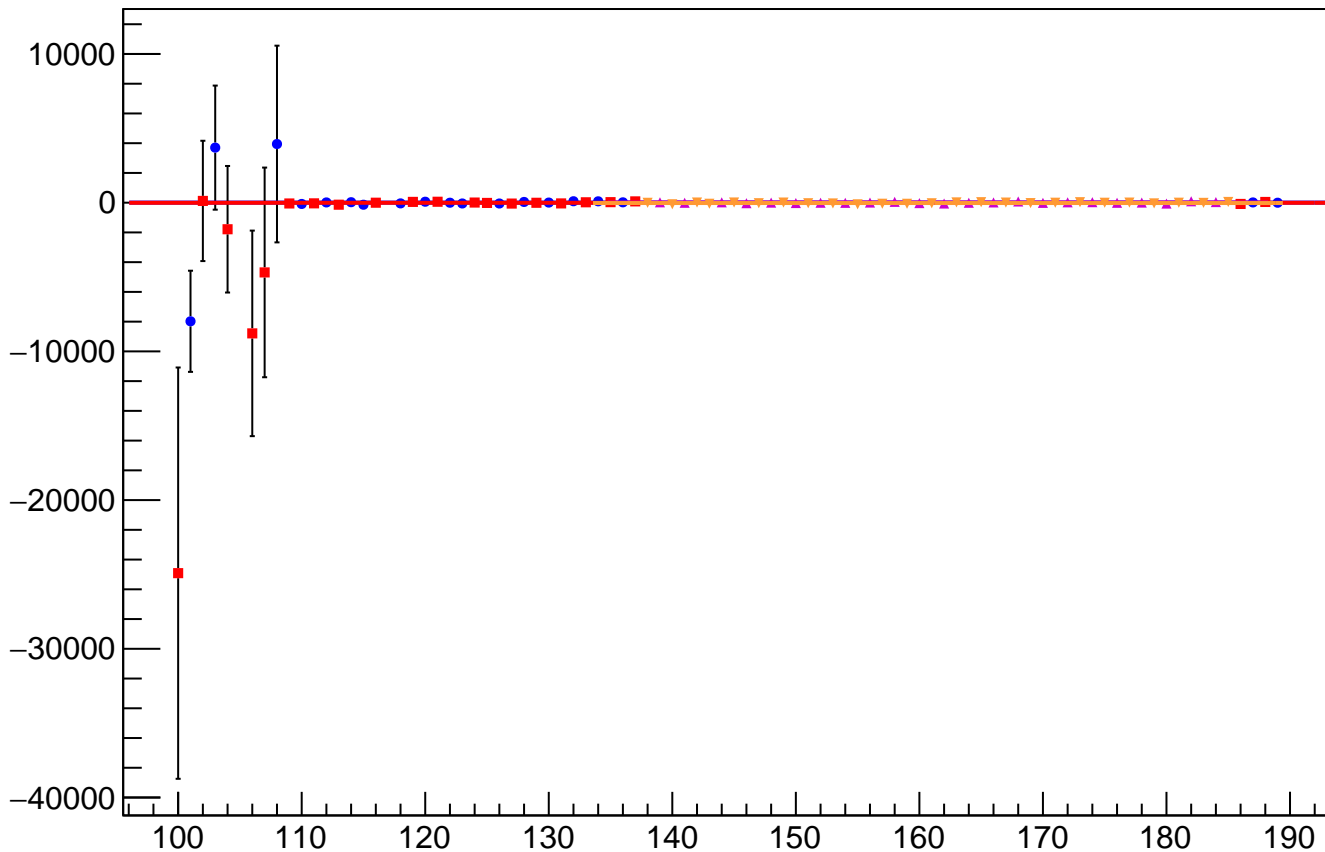
Left In: 185.878 \pm 0.033 χ^2 /NDF: 1380877.6/22

+ sign 200.779 \pm 0.030 χ^2 /NDF: 5518381.7/43

All: 192.768 \pm 0.021 χ^2 /NDF: 11550349.3/87

- sign 185.681 \pm 0.028 χ^2 /NDF: 5897444.1/43

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.603+/-14.078 χ^2 /NDF: 20.1/18

Left Out: -24.144+/-8.076 χ^2 /NDF:24.9/24

Right Out: -7.152+/-13.529 χ^2 /NDF: 25.2/20

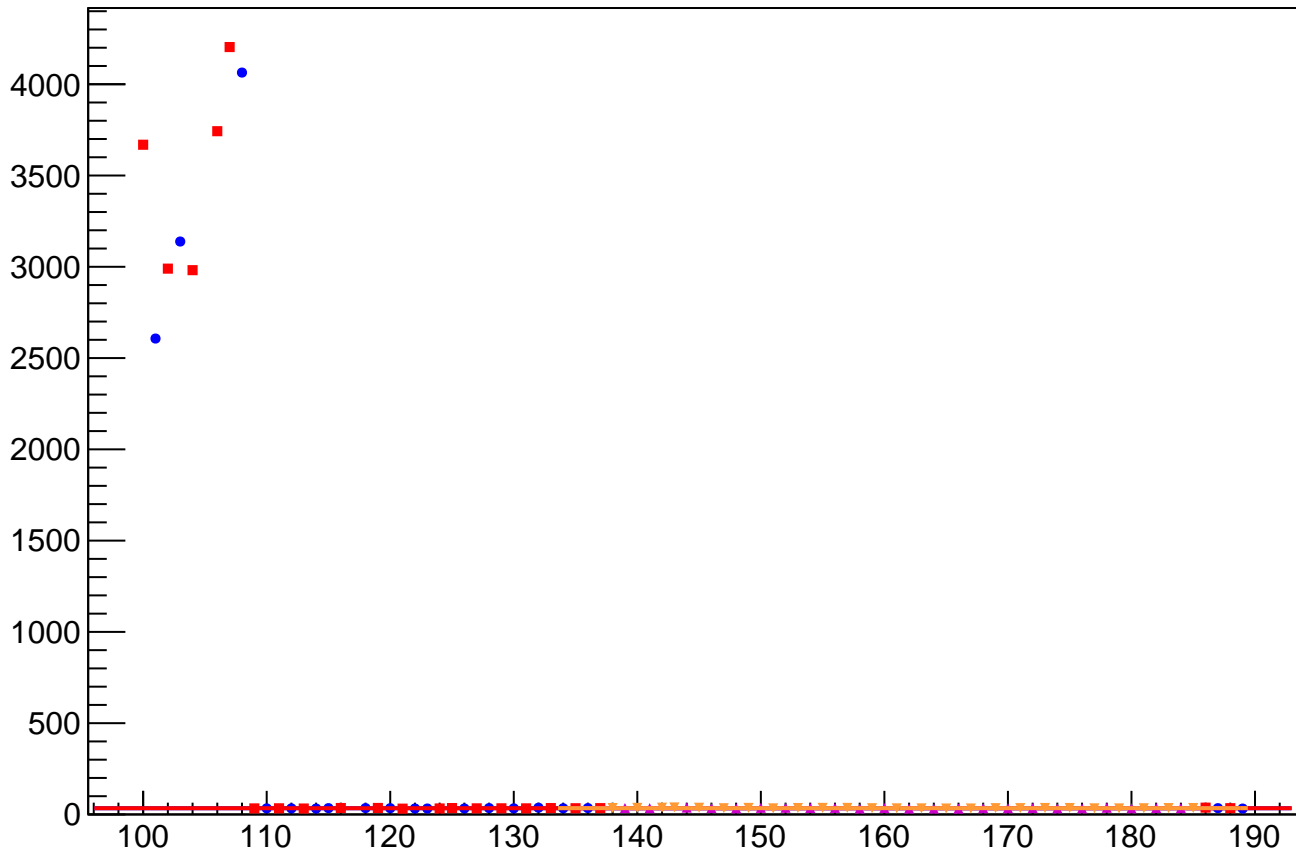
Left In: 5.924+/-8.340 χ^2 /NDF:21.0/22

+ sign -16.778+/-7.005 χ^2 /NDF: 48.4/43

All: -7.355+/-4.986 χ^2 /NDF: 99.0/87

- sign 2.323+/-7.099 χ^2 /NDF: 46.9/43

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.996 \pm 0.010 χ^2 /NDF: 3009481.9/18

Left Out: 34.617 \pm 0.006 χ^2 /NDF: 57868.4/24

Right Out: 34.163 \pm 0.010 χ^2 /NDF: 3458065.2/20

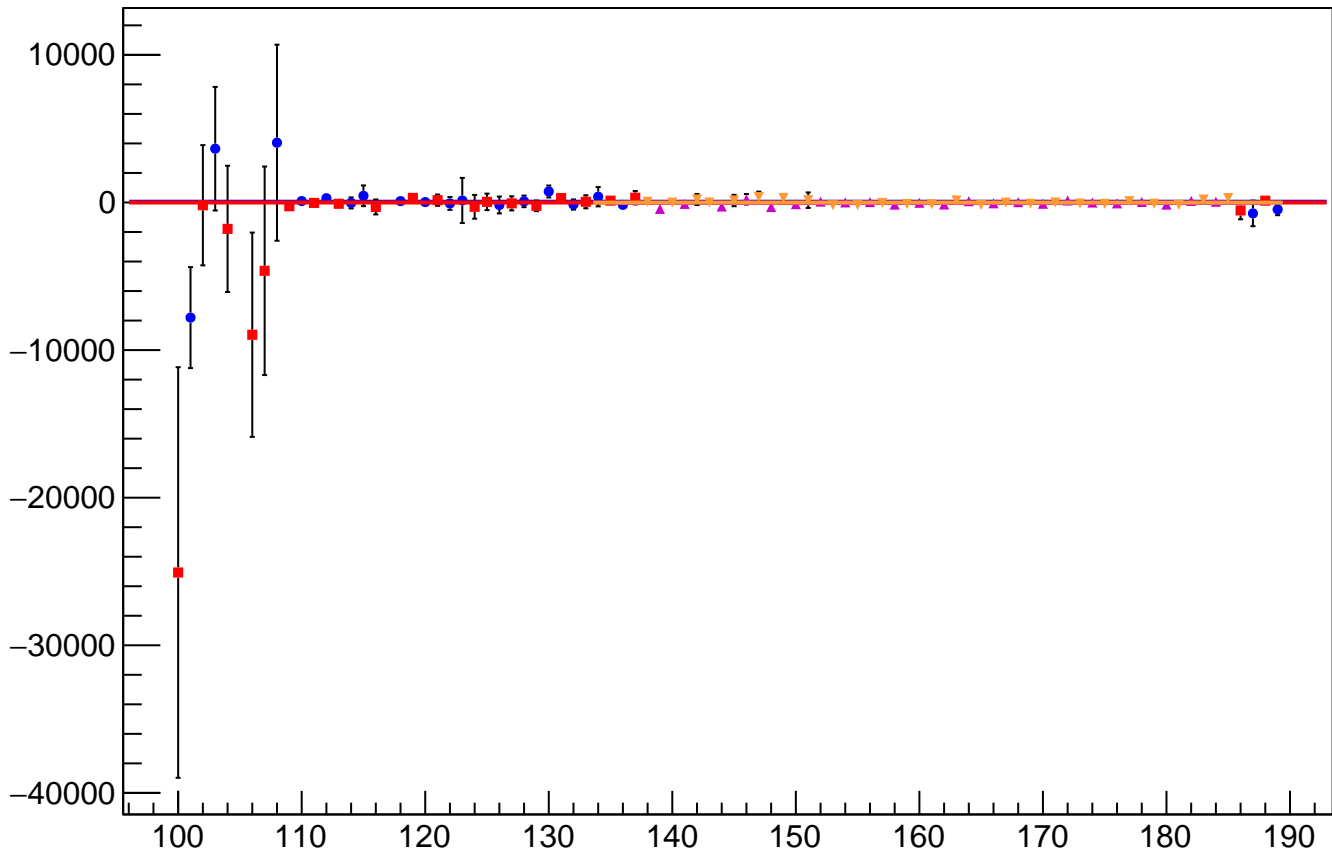
Left In: 34.682 \pm 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.464 \pm 0.005 χ^2 /NDF: 3070282.5/43

All: 34.501 \pm 0.004 χ^2 /NDF: 6590425.2/87

- sign 34.539 \pm 0.005 χ^2 /NDF: 3520028.5/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 51.629+/-85.636 χ^2/NDF : 15.3/18

Left Out: -7.558+/-48.662 χ^2/NDF : 8.8/24

Right Out: -2.561+/-77.179 χ^2/NDF : 12.1/20

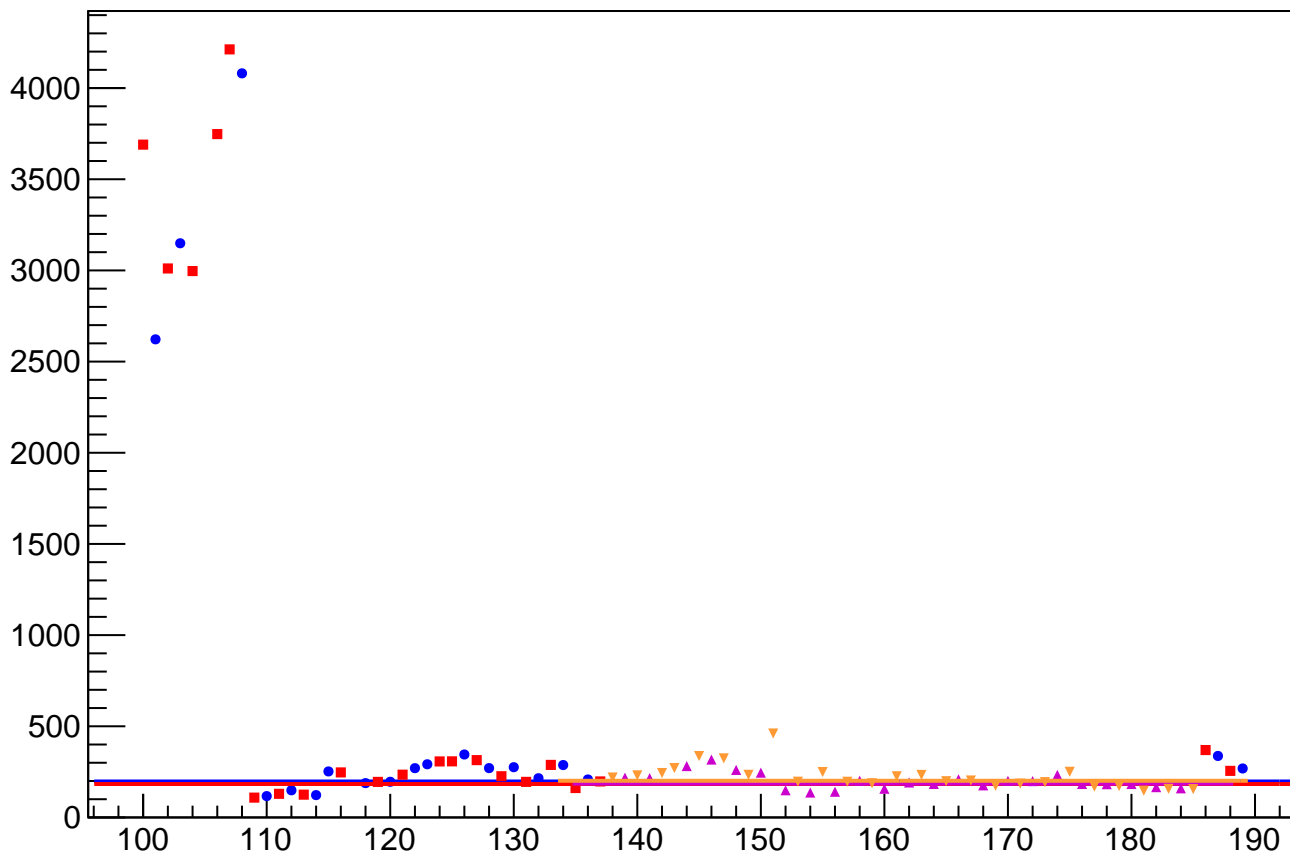
Left In: -34.977+/-46.421 χ^2/NDF : 7.1/22

+ sign 6.889+/-42.308 χ^2/NDF : 24.4/43

All: -10.762+/-28.981 χ^2/NDF : 44.1/87

- sign -26.366+/-39.780 χ^2/NDF : 19.4/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.240 \pm 0.061 χ^2 /NDF: 3701536.0/18

Left Out: 201.198 \pm 0.034 χ^2 /NDF: 1848437.4/24

Right Out: 183.574 \pm 0.055 χ^2 /NDF: 4567812.2/20

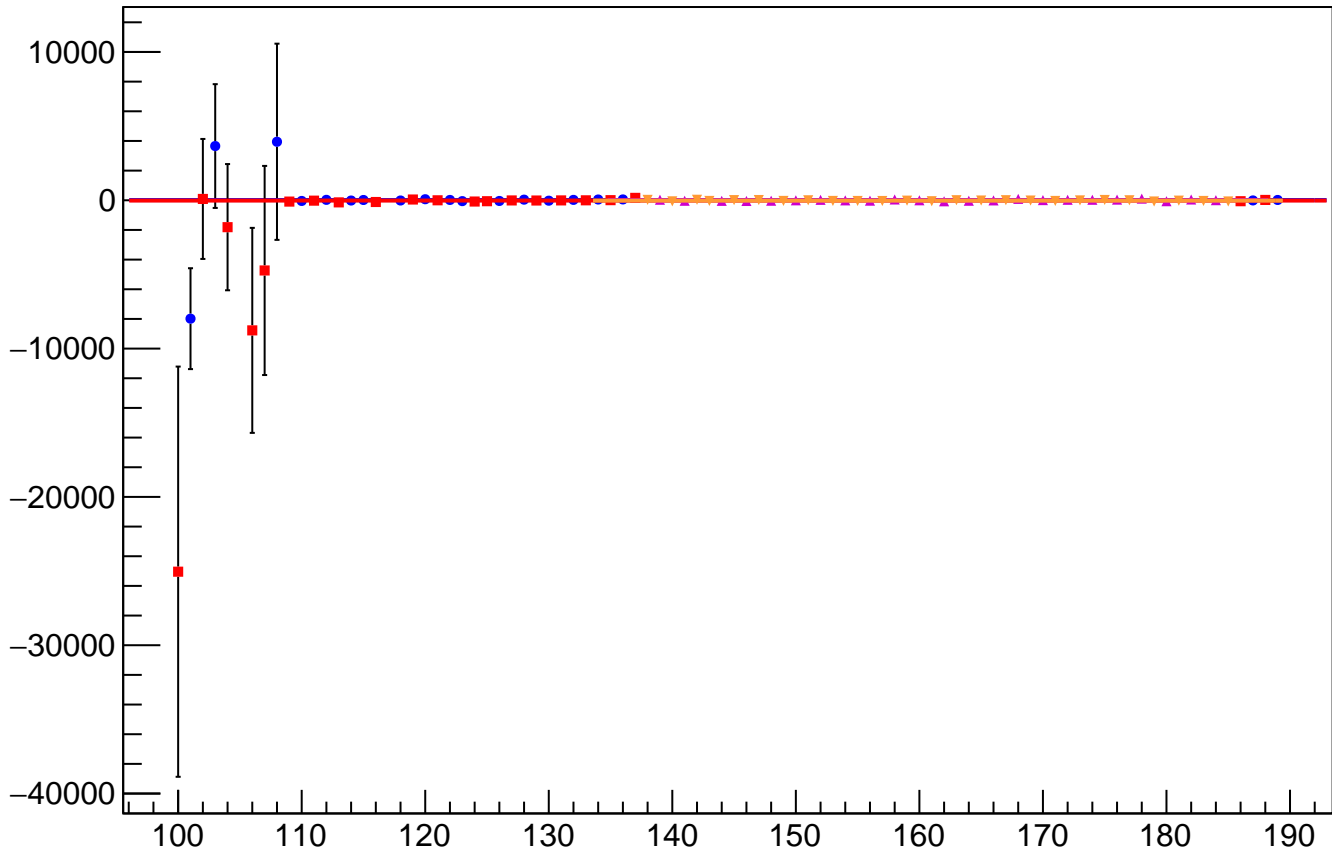
Left In: 185.627 \pm 0.033 χ^2 /NDF: 1371411.2/22

+ sign 200.232 \pm 0.030 χ^2 /NDF: 5553204.4/43

All: 192.191 \pm 0.020 χ^2 /NDF: 11629586.2/87

- sign 185.082 \pm 0.028 χ^2 /NDF: 5940262.9/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 14.309+/-12.808 χ^2/NDF : 14.9/18

Left Out: -23.320+/-7.352 χ^2/NDF : 18.3/24

Right Out: -18.311+/-12.334 χ^2/NDF : 29.7/20

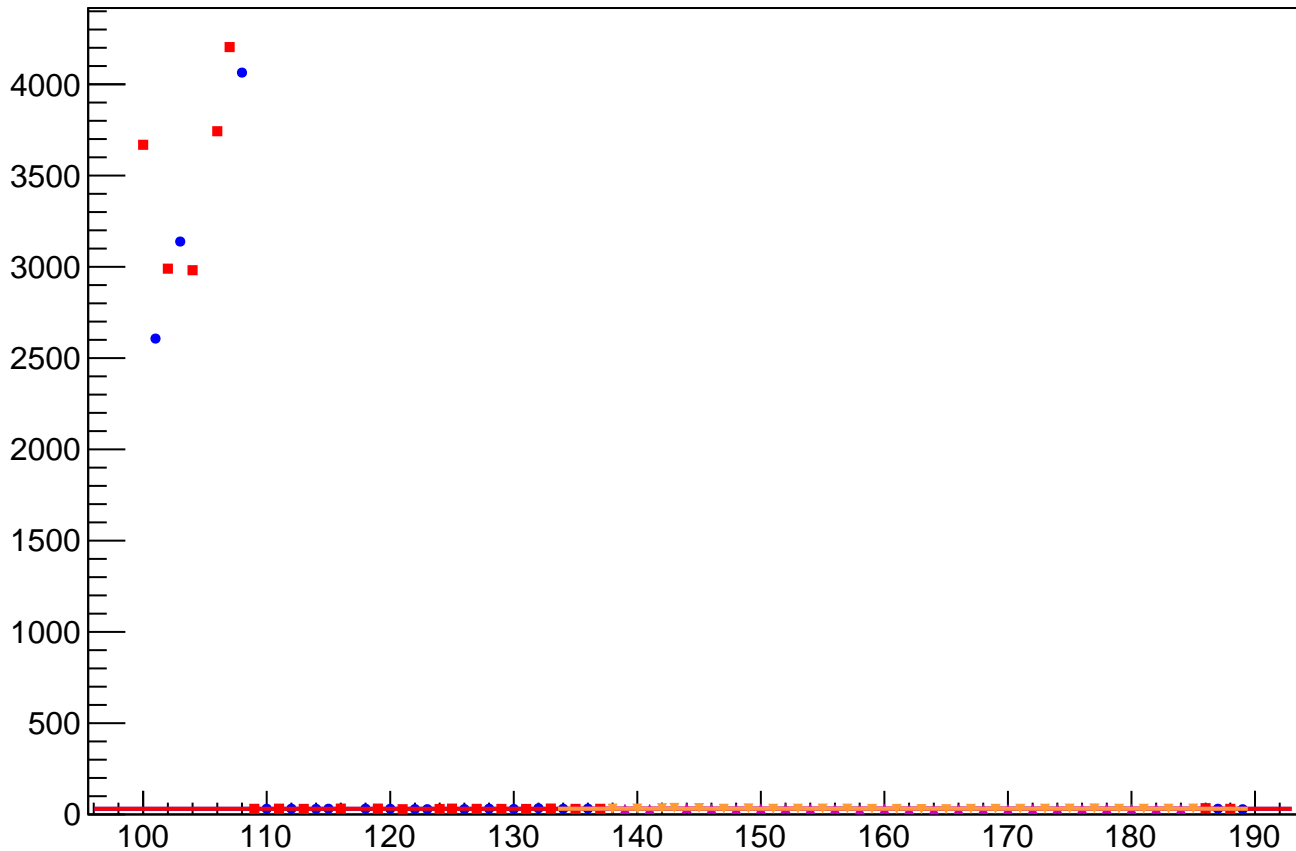
Left In: 6.386+/-7.577 χ^2/NDF : 38.7/22

+ sign -13.994+/-6.376 χ^2/NDF : 39.7/43

All: -7.272+/-4.537 χ^2/NDF : 113.3/87

- sign -0.380+/-6.456 χ^2/NDF : 71.4/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.920+/-0.009 χ^2 /NDF: 3020920.8/18

Left Out: 31.488+/-0.005 χ^2 /NDF:81938.2/24

Right Out: 31.113+/-0.009 χ^2 /NDF: 3467085.1/20

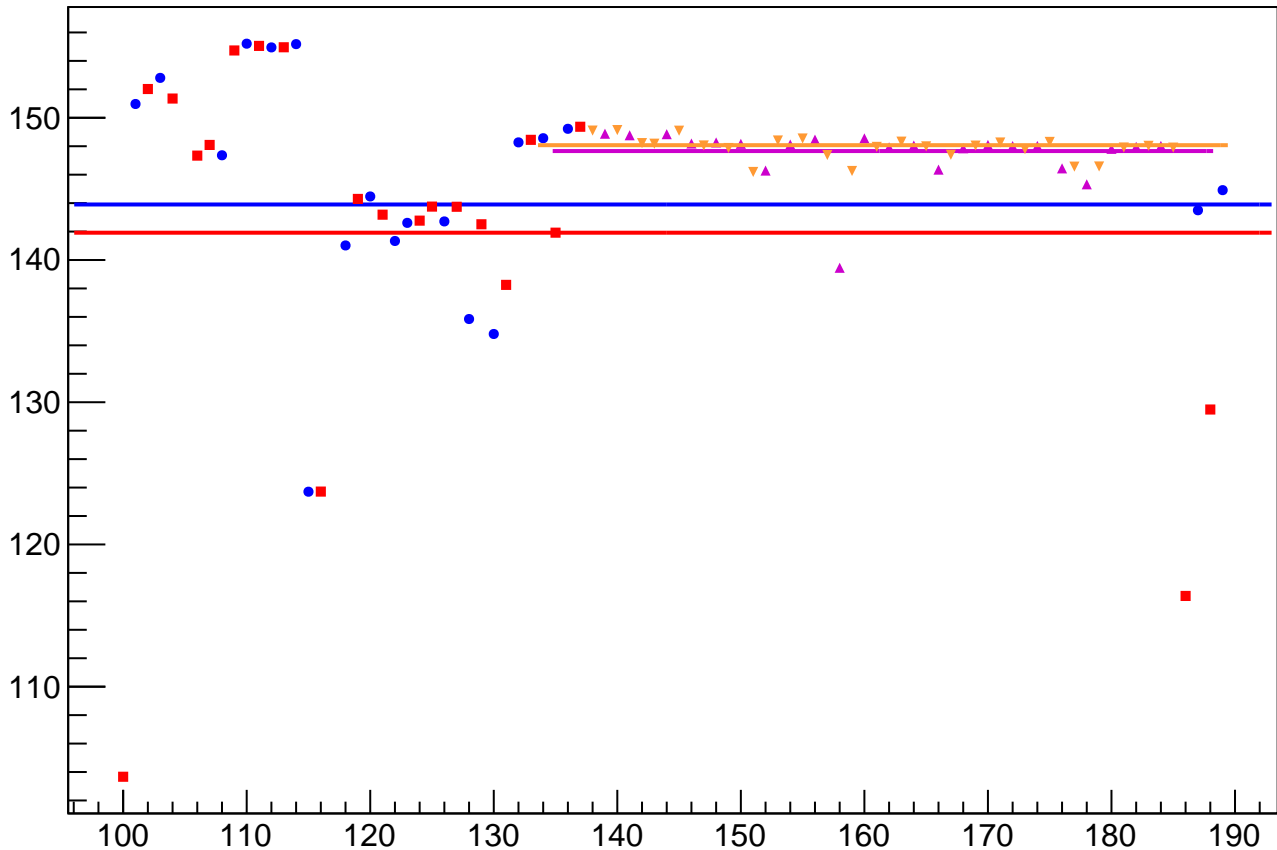
Left In: 31.475+/-0.005 χ^2 /NDF:87797.5/22

+ sign 31.348+/-0.005 χ^2 /NDF: 3105818.2/43

All: 31.362+/-0.003 χ^2 /NDF: 6661972.8/87

- sign 31.376+/-0.005 χ^2 /NDF: 3556134.9/43

yield_bcm_an_ds_mean vs Slug



Right In: 143.904 \pm 0.000 χ^2 /NDF: 3451668411.9/18

Left Out: 148.074 \pm 0.000 χ^2 /NDF:65673678.9/24

Right Out: 141.919 \pm 0.000 χ^2 /NDF: 7195879649.4/20

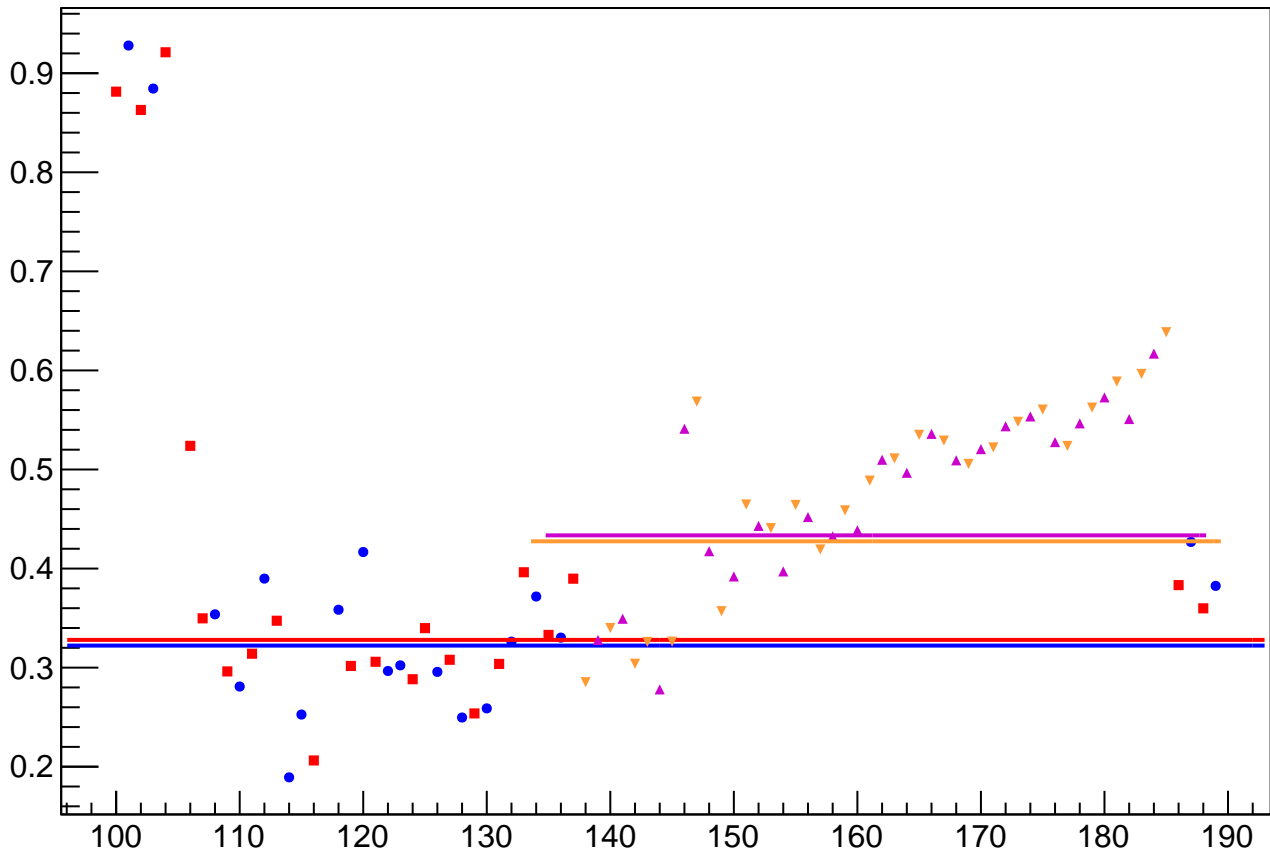
Left In: 147.660 \pm 0.000 χ^2 /NDF:343892338.9/22

+ sign 146.450 \pm 0.000 χ^2 /NDF: 4144494785.2/43

All: 145.814 \pm 0.000 χ^2 /NDF: 13031161712.

- sign 145.177 \pm 0.000 χ^2 /NDF: 8763933650.3/43

yield_bcm_an_ds_rms vs Slug



Right In: 0.322 \pm 0.000 χ^2 /NDF: 1314808.4/18

Left Out: 0.428 \pm 0.000 χ^2 /NDF:1892802.8/24

Right Out: 0.328 \pm 0.000 χ^2 /NDF: 1248019.4/20

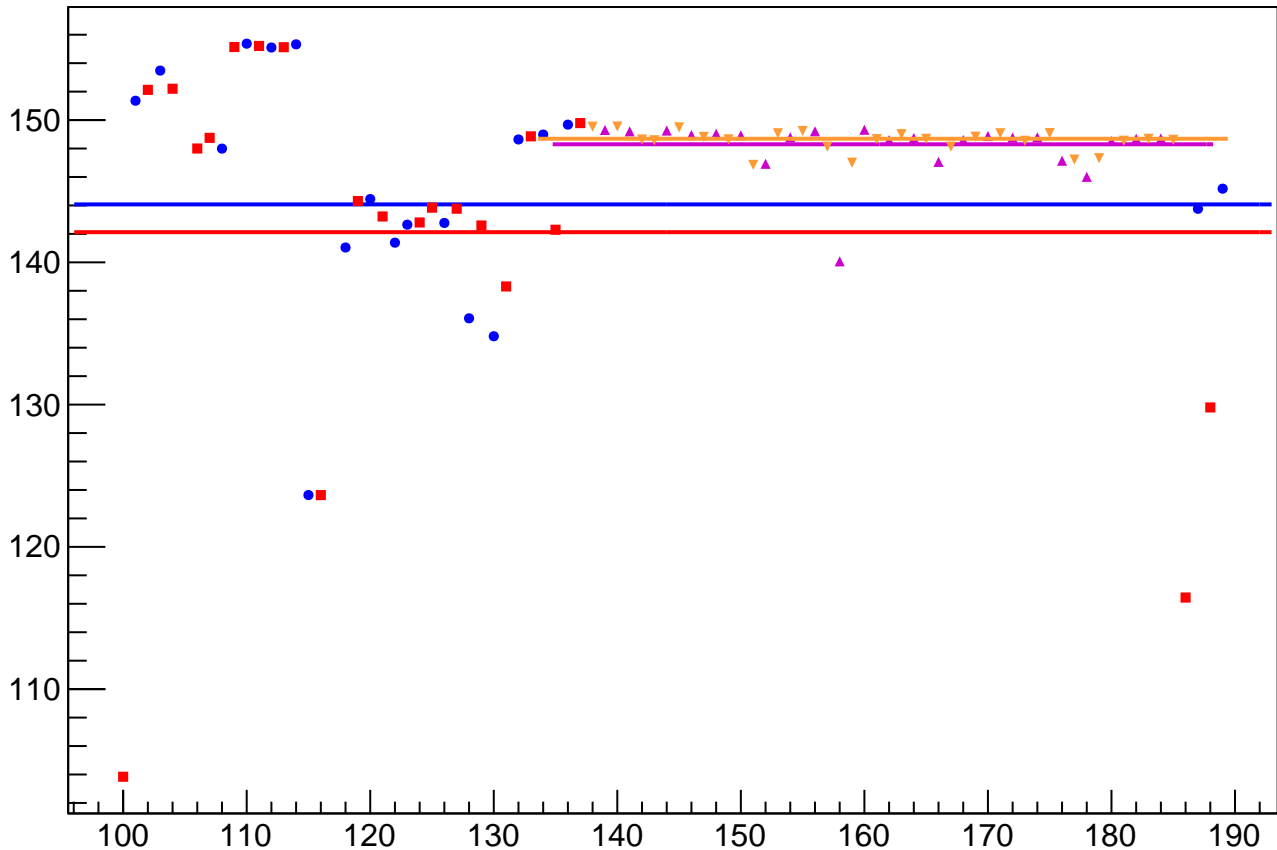
Left In: 0.434 \pm 0.000 χ^2 /NDF:1479367.0/22

+ sign 0.387 \pm 0.000 χ^2 /NDF: 4006974.8/43

All: 0.387 \pm 0.000 χ^2 /NDF: 7561633.2/87

- sign 0.388 \pm 0.000 χ^2 /NDF: 3554385.7/43

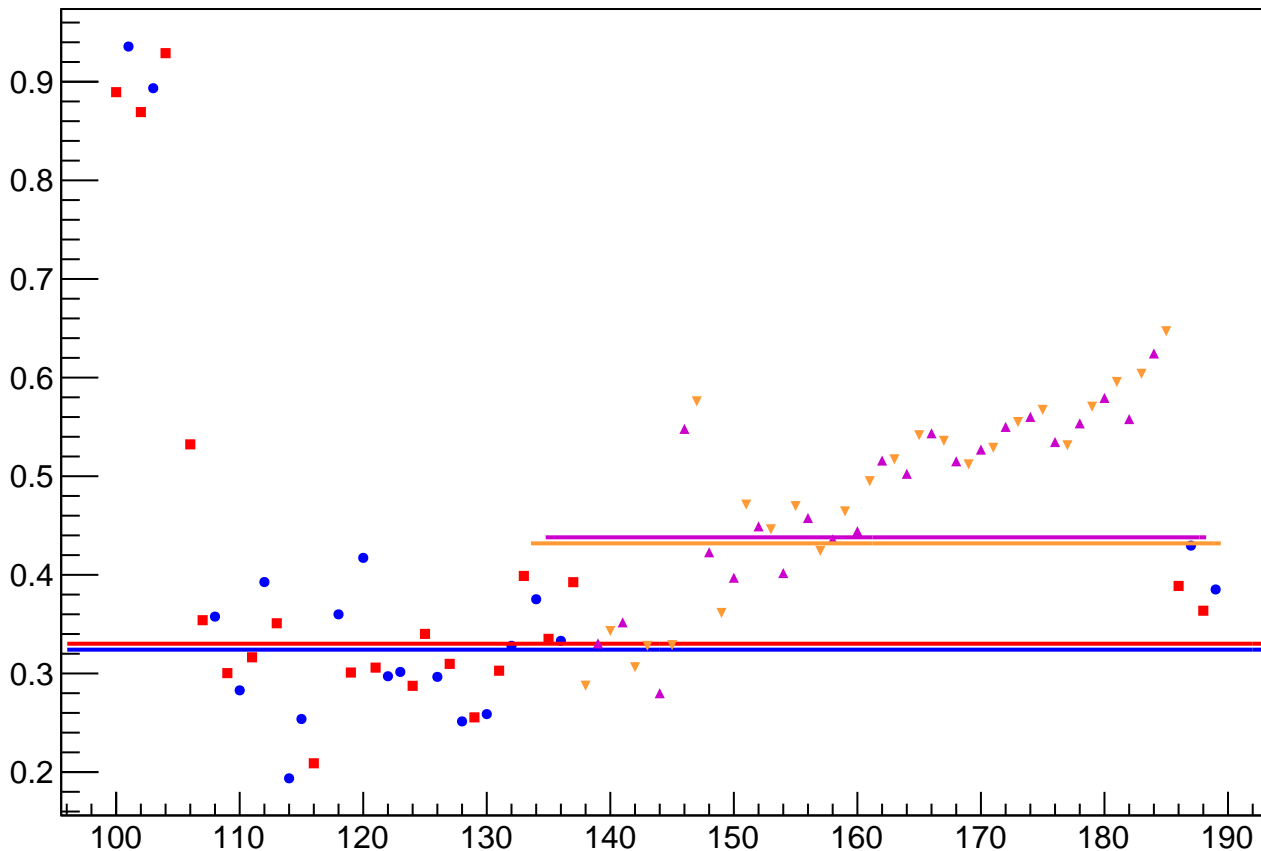
yield_bcm_an_ds3_mean vs Slug



Right In: 144.073 \pm 0.000 χ^2 /NDF: 3496135490.2/18
 Left Out: 148.687 \pm 0.000 χ^2 /NDF: 52285197.5/24
 Right Out: 142.120 \pm 0.000 χ^2 /NDF: 7139264546.2/20
 Left In: 148.298 \pm 0.000 χ^2 /NDF: 332527463.6/22

+ sign 146.879 \pm 0.000 χ^2 /NDF: 4304571606.0/43
 All: 146.247 \pm 0.000 χ^2 /NDF: 13289218974.
 - sign 145.613 \pm 0.000 χ^2 /NDF: 8865349962.2/43

yield_bcm_an_ds3_rms vs Slug



Right In: 0.324 \pm 0.000 χ^2 /NDF: 1316734.7/18

Left Out: 0.432 \pm 0.000 χ^2 /NDF:1924979.0/24

Right Out: 0.330 \pm 0.000 χ^2 /NDF: 1253119.6/20

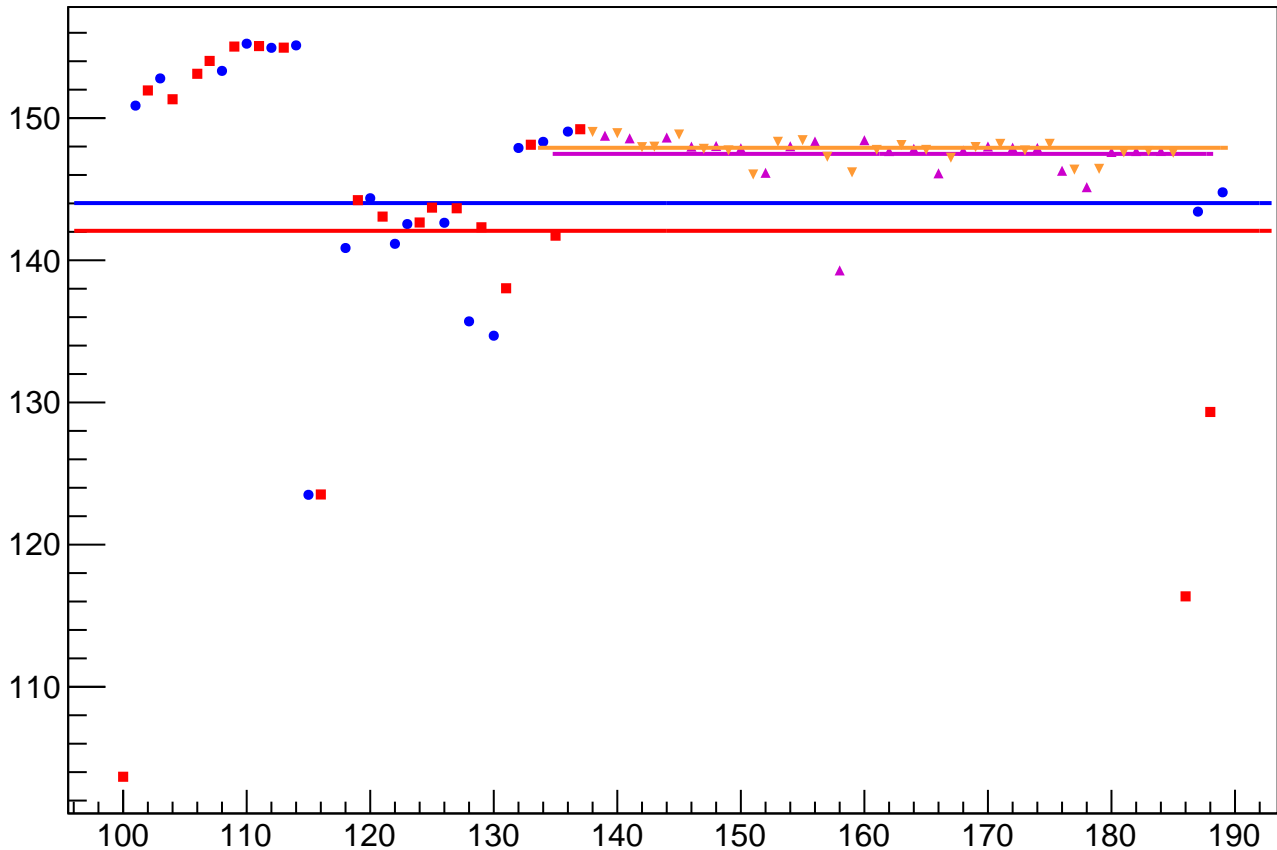
Left In: 0.438 \pm 0.000 χ^2 /NDF:1504635.6/22

+ sign 0.390 \pm 0.000 χ^2 /NDF: 4066894.7/43

All: 0.390 \pm 0.000 χ^2 /NDF: 7675013.6/87

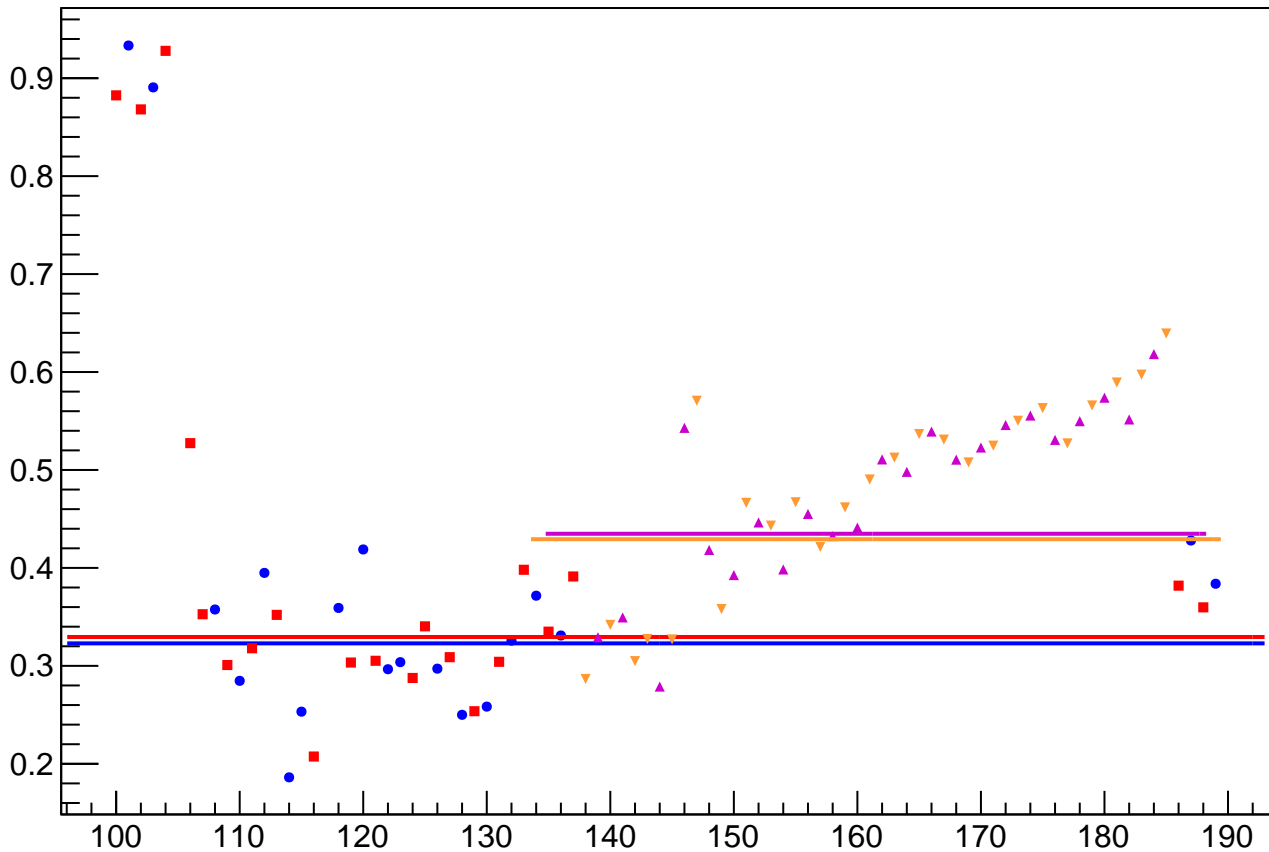
- sign 0.391 \pm 0.000 χ^2 /NDF: 3607793.0/43

yield_bcm_an_us_mean vs Slug



Right In: 144.023 \pm 0.000 χ^2 /NDF: 3663828825.1/18
 Left Out: 147.912 \pm 0.000 χ^2 /NDF:64463426.1/24
 Right Out: 142.072 \pm 0.000 χ^2 /NDF: 7589904699.9/20
 Left In: 147.483 \pm 0.000 χ^2 /NDF:342674720.4/22
 + sign 146.395 \pm 0.000 χ^2 /NDF: 4270021739.6/43
 All: 145.771 \pm 0.000 χ^2 /NDF: 13399153667.
 - sign 145.146 \pm 0.000 χ^2 /NDF: 9011739398.3/43

yield_bcm_an_us_rms vs Slug



Right In: 0.323 \pm 0.000 χ^2 /NDF: 1329896.2/18

Left Out: 0.429 \pm 0.000 χ^2 /NDF:1891709.3/24

Right Out: 0.329 \pm 0.000 χ^2 /NDF: 1249792.7/20

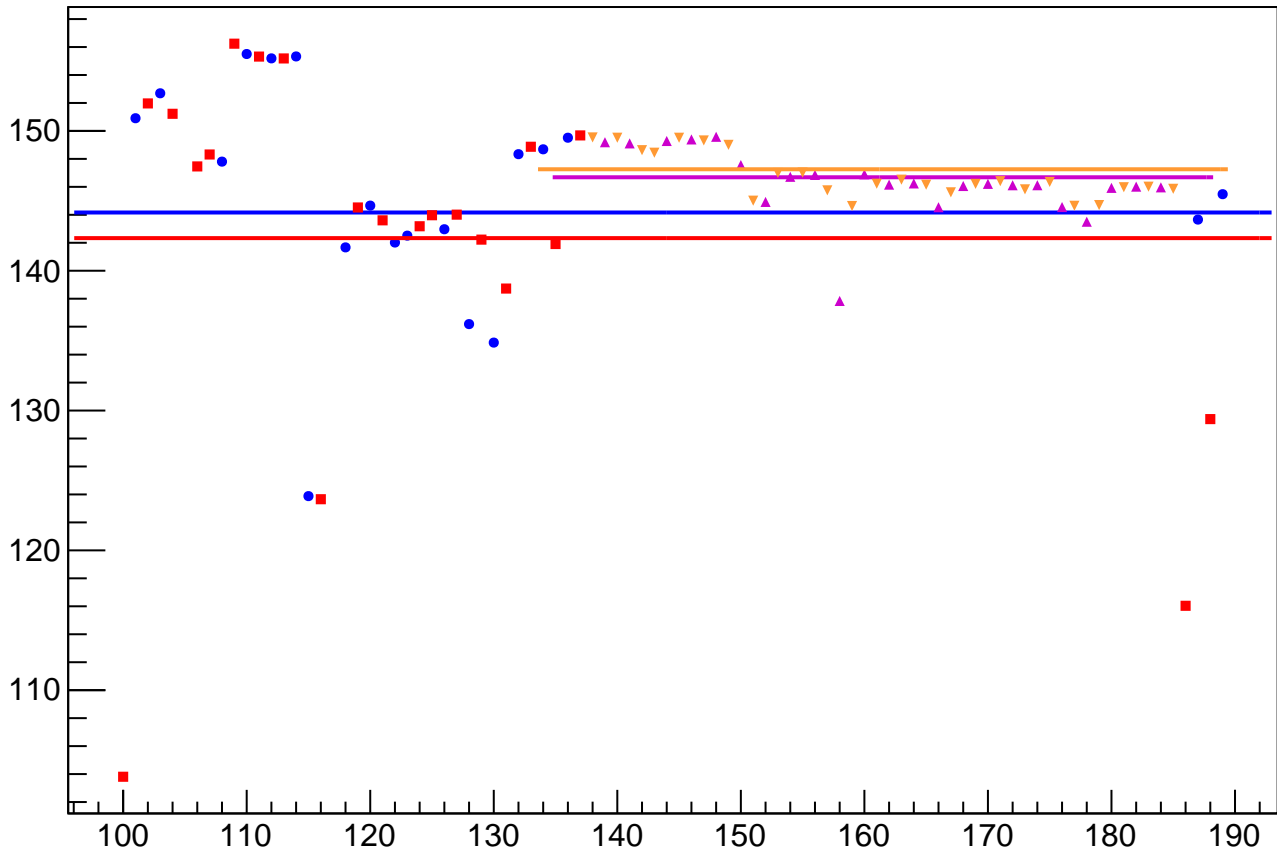
Left In: 0.435 \pm 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.388 \pm 0.000 χ^2 /NDF: 4031671.7/43

All: 0.389 \pm 0.000 χ^2 /NDF: 7586376.3/87

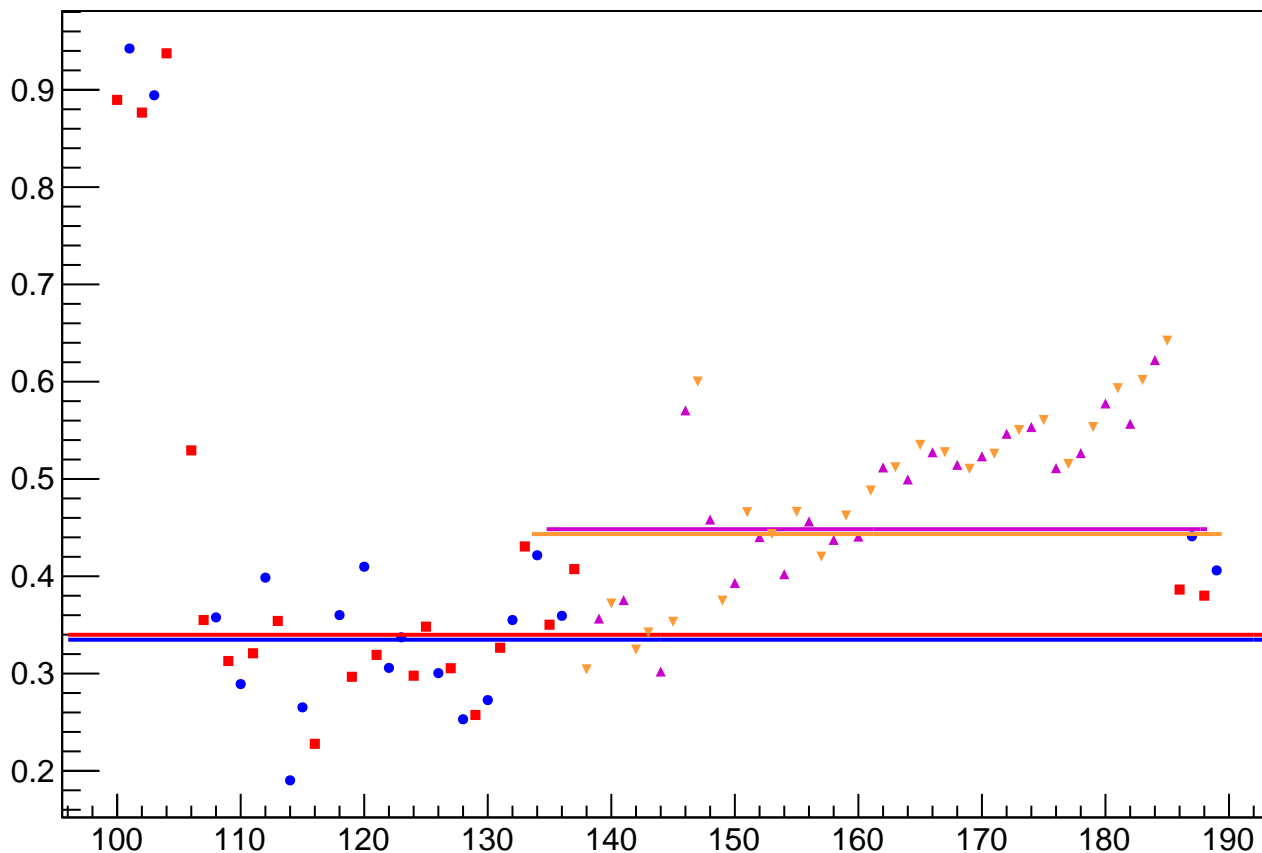
- sign 0.389 \pm 0.000 χ^2 /NDF: 3554358.1/43

yield_bcm_dg_us_mean vs Slug



Right In: 144.165+/-0.000	χ^2/NDF : 3165256558.6/18	+ sign 146.066+/-0.000	χ^2/NDF : 3747311618.1/43
Left Out: 147.257+/-0.000	χ^2/NDF : 261906278.3/24	All: 145.442+/-0.000	χ^2/NDF : 11969680956.
Right Out: 142.333+/-0.000	χ^2/NDF : 6899087752.4/20	- sign 144.819+/-0.000	χ^2/NDF : 8112197782.8/43
Left In: 146.685+/-0.000	χ^2/NDF : 554922388.0/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.335 \pm 0.000 χ^2 /NDF: 1316637.8/18

Left Out: 0.443 \pm 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.340 \pm 0.000 χ^2 /NDF: 1213051.1/20

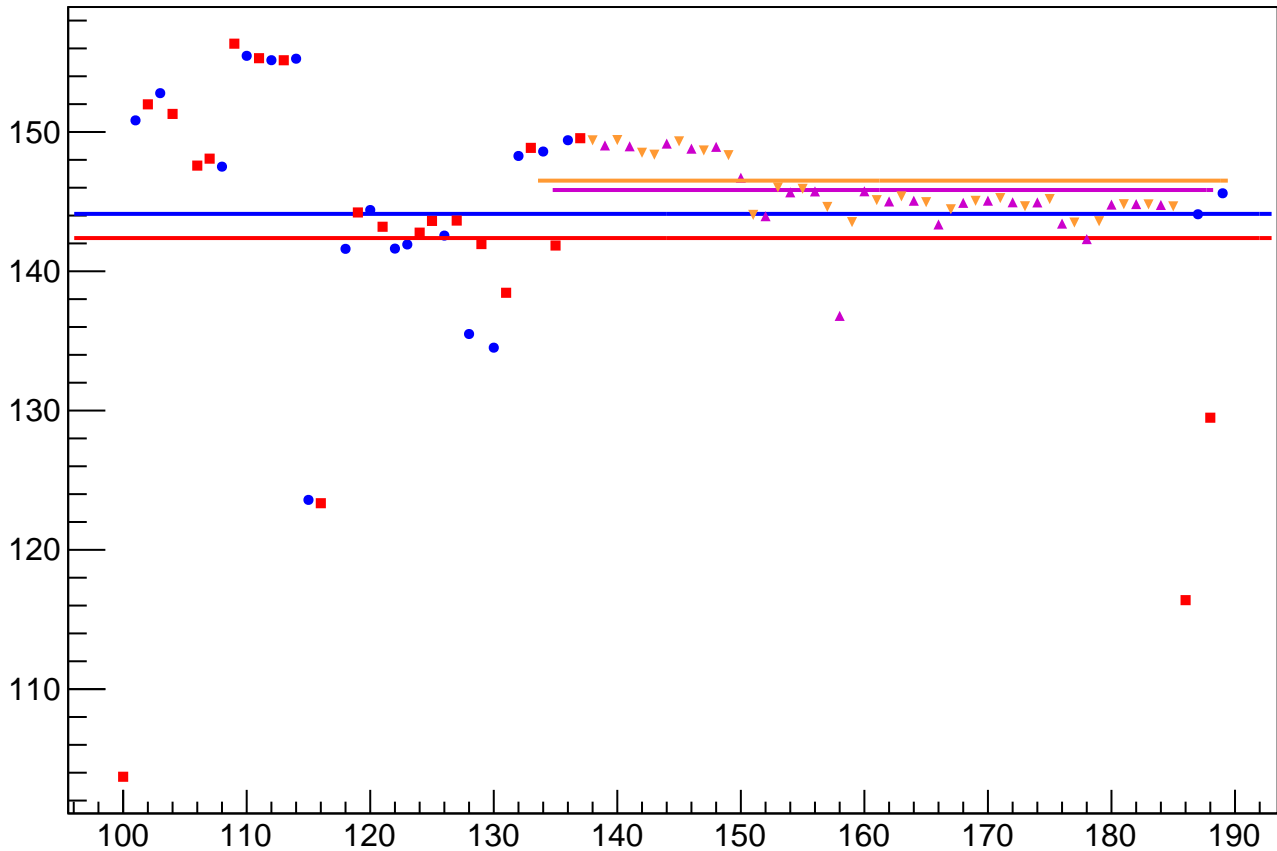
Left In: 0.448 \pm 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.402 \pm 0.000 χ^2 /NDF: 3586781.0/43

All: 0.402 \pm 0.000 χ^2 /NDF: 6738924.7/87

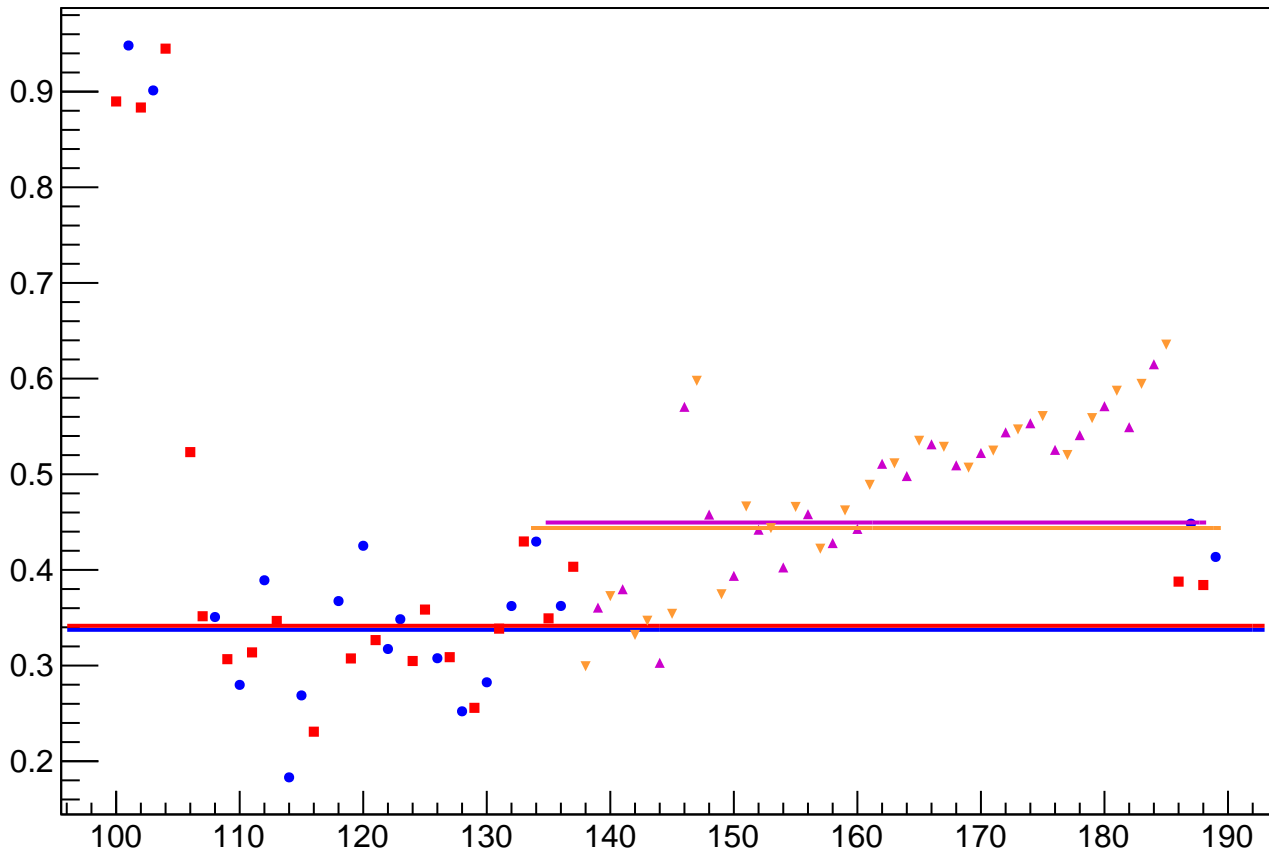
- sign 0.402 \pm 0.000 χ^2 /NDF: 3152131.3/43

yield_bcm_dg_ds_mean vs Slug



Right In: 144.121+/-0.000	χ^2/NDF : 3285364402.9/18	+ sign 145.598+/-0.000	χ^2/NDF : 3875029480.9/43
Left Out: 146.508+/-0.000	χ^2/NDF : 401248837.9/24	All: 144.978+/-0.000	χ^2/NDF : 11963429155.
Right Out: 142.385+/-0.000	χ^2/NDF : 6880912659.2/20	- sign 144.361+/-0.000	χ^2/NDF : 7980892712.0/43
Left In: 145.834+/-0.000	χ^2/NDF : 690172810.0/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.337 \pm 0.000 χ^2 /NDF: 1337807.0/18

Left Out: 0.444 \pm 0.000 χ^2 /NDF:1460383.7/24

Right Out: 0.342 \pm 0.000 χ^2 /NDF: 1204342.4/20

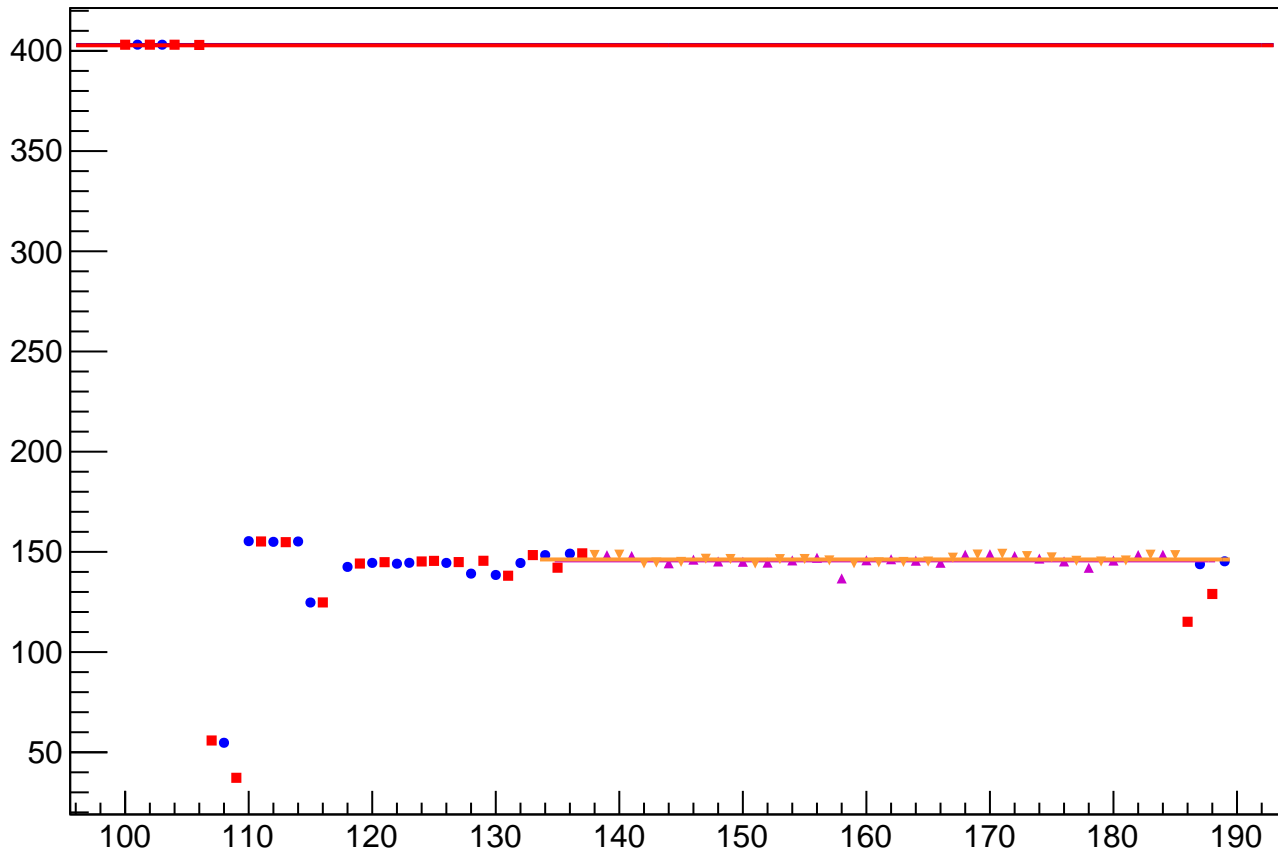
Left In: 0.450 \pm 0.000 χ^2 /NDF:1092776.5/22

+ sign 0.403 \pm 0.000 χ^2 /NDF: 3547090.9/43

All: 0.403 \pm 0.000 χ^2 /NDF: 6647000.3/87

- sign 0.403 \pm 0.000 χ^2 /NDF: 3099904.3/43

yield_cav4bQ_mean vs Slug



Right In: 402.949+/-0.000 χ^2/NDF : 1164491503604.6/18

+ sign 402.654+/-0.000 χ^2/NDF : 3525630442673.9

Left Out: 146.216+/-0.000 χ^2/NDF : 86042286.3/24

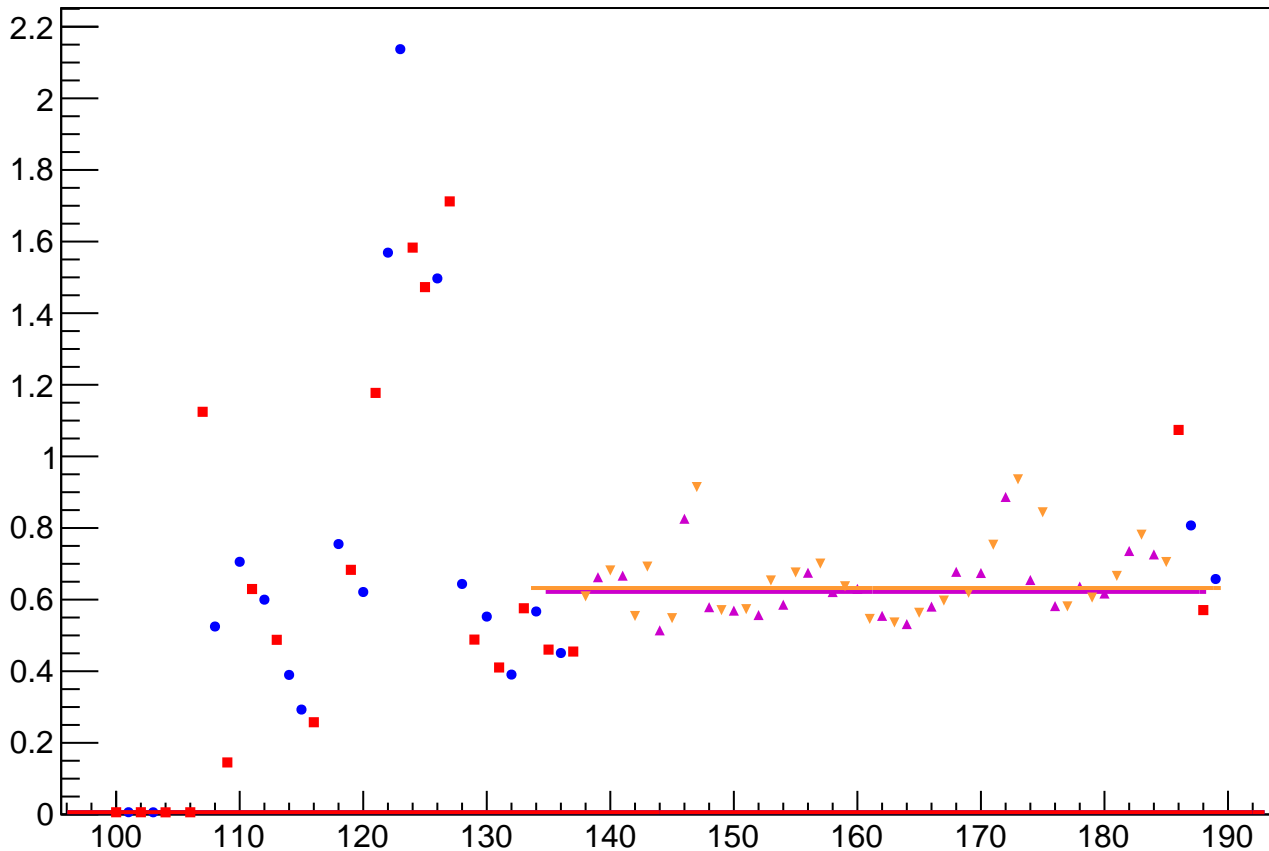
All: 402.583+/-0.000 χ^2/NDF : 91557093323

Right Out: 402.778+/-0.000 χ^2/NDF : 3300455583484.2/20

- sign 402.521+/-0.000 χ^2/NDF : 5629789327456.3

Left In: 145.755+/-0.000 χ^2/NDF : 206171532.0/22

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 10055779.7/18

Left Out: 0.632+/-0.000 χ^2/NDF : 613604.5/24

Right Out: 0.006+/-0.000 χ^2/NDF : 11264639.7/20

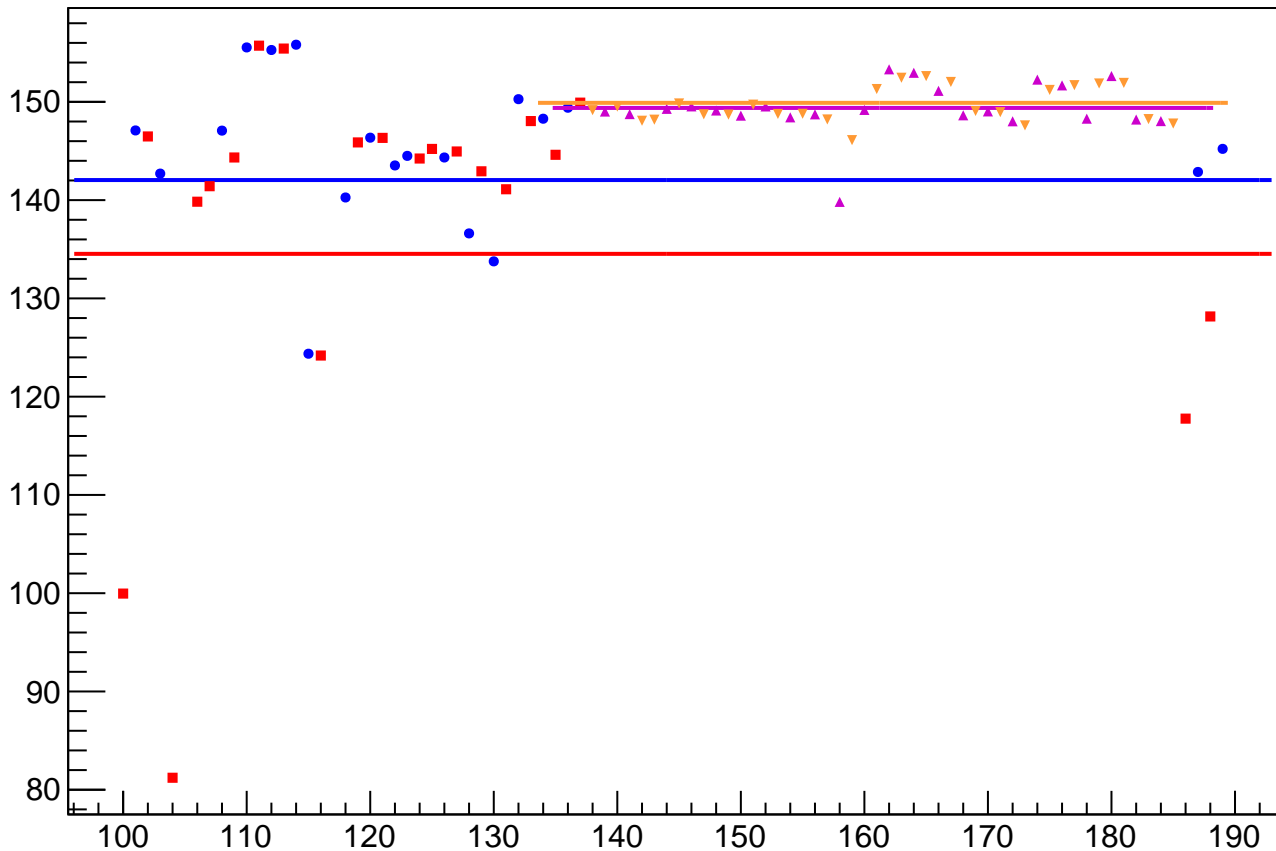
Left In: 0.622+/-0.000 χ^2/NDF : 399965.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 38748767.4/43

All: 0.007+/-0.000 χ^2/NDF : 77104061.7/87

- sign 0.007+/-0.000 χ^2/NDF : 38355009.4/43

yield_cav4cQ_mean vs Slug



Right In: 142.043 \pm 0.000 χ^2 /NDF: 992710458.8/18

Left Out: 149.900 \pm 0.000 χ^2 /NDF: 162845622.6/24

Right Out: 134.532 \pm 0.000 χ^2 /NDF: 1725852668.1/20

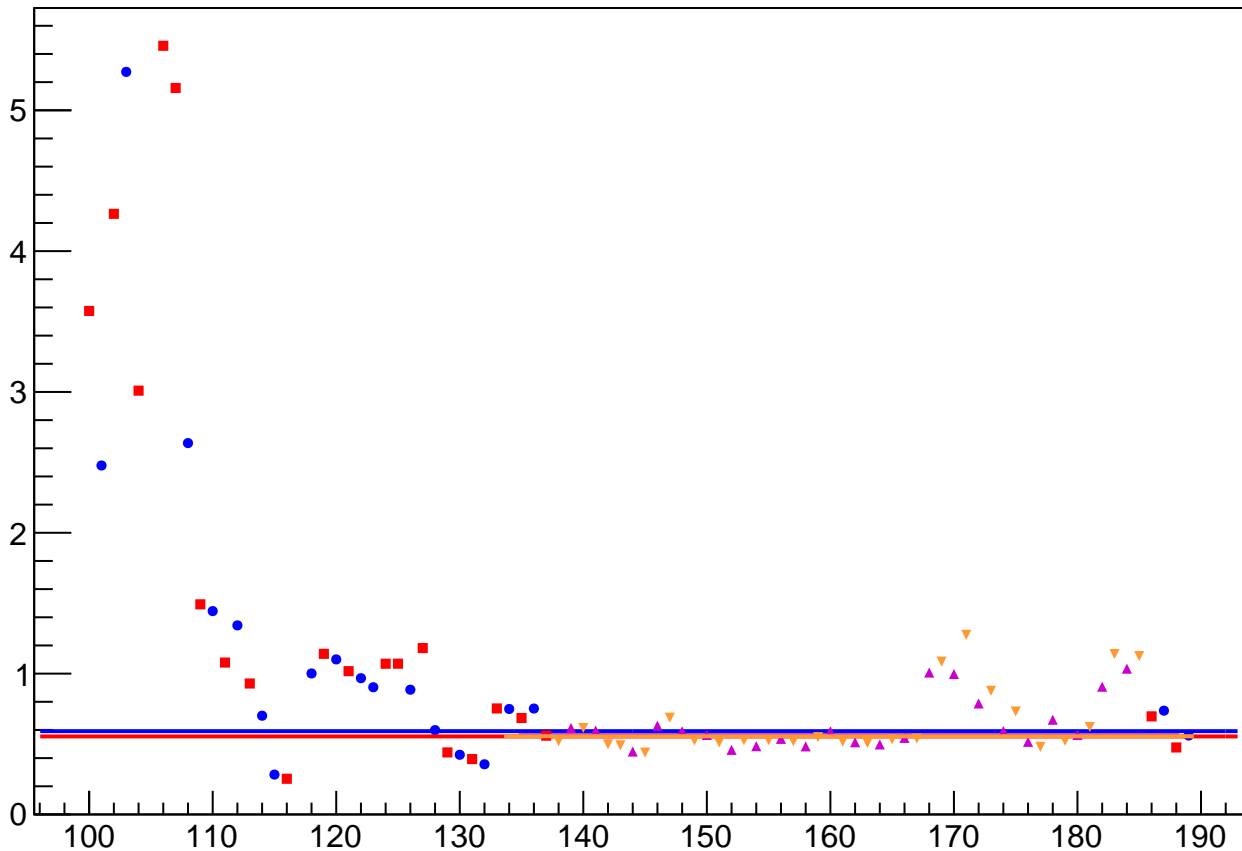
Left In: 149.382 \pm 0.000 χ^2 /NDF: 434657827.5/22

+ sign 148.446 \pm 0.000 χ^2 /NDF: 1735298734.8/43

All: 147.183 \pm 0.000 χ^2 /NDF: 6533160066.2

- sign 145.909 \pm 0.000 χ^2 /NDF: 4598447241.8/43

yield_cav4cQ_rms vs Slug



Right In: 0.591 \pm 0.000 χ^2 /NDF: 3530878.6/18

Left Out: 0.555 \pm 0.000 χ^2 /NDF:1773688.1/24

Right Out: 0.554 \pm 0.000 χ^2 /NDF: 4716585.3/20

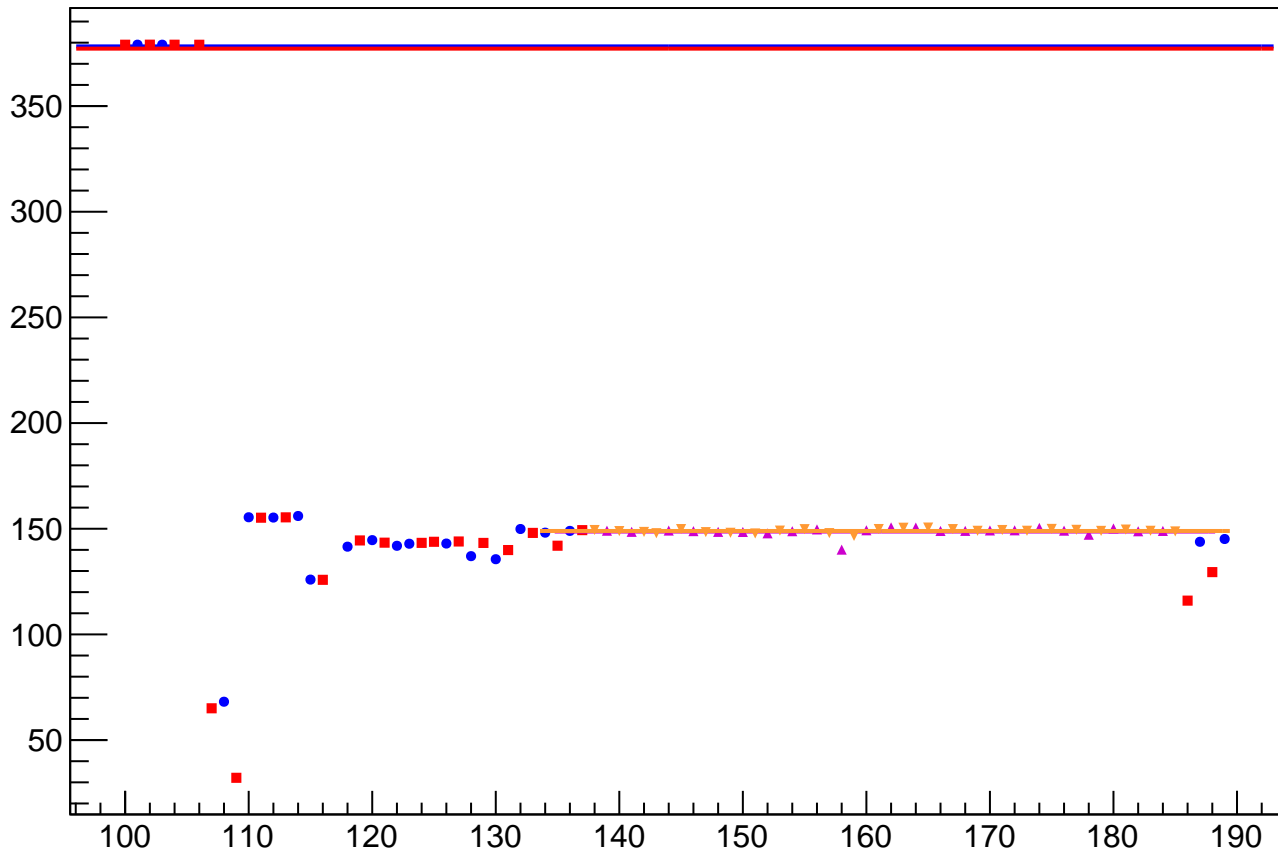
Left In: 0.562 \pm 0.000 χ^2 /NDF:1305573.4/22

+ sign 0.562 \pm 0.000 χ^2 /NDF: 5328741.9/43

All: 0.561 \pm 0.000 χ^2 /NDF: 11352529.6/87

- sign 0.560 \pm 0.000 χ^2 /NDF: 6023494.6/43

yield_cav4dQ_mean vs Slug



Right In: 378.239+/-0.000 χ^2/NDF : 2643167195669.4/18

Left Out: 148.944+/-0.000 χ^2/NDF : 63976941.3/24

Right Out: 377.178+/-0.000 χ^2/NDF : 8705750922454.0/20

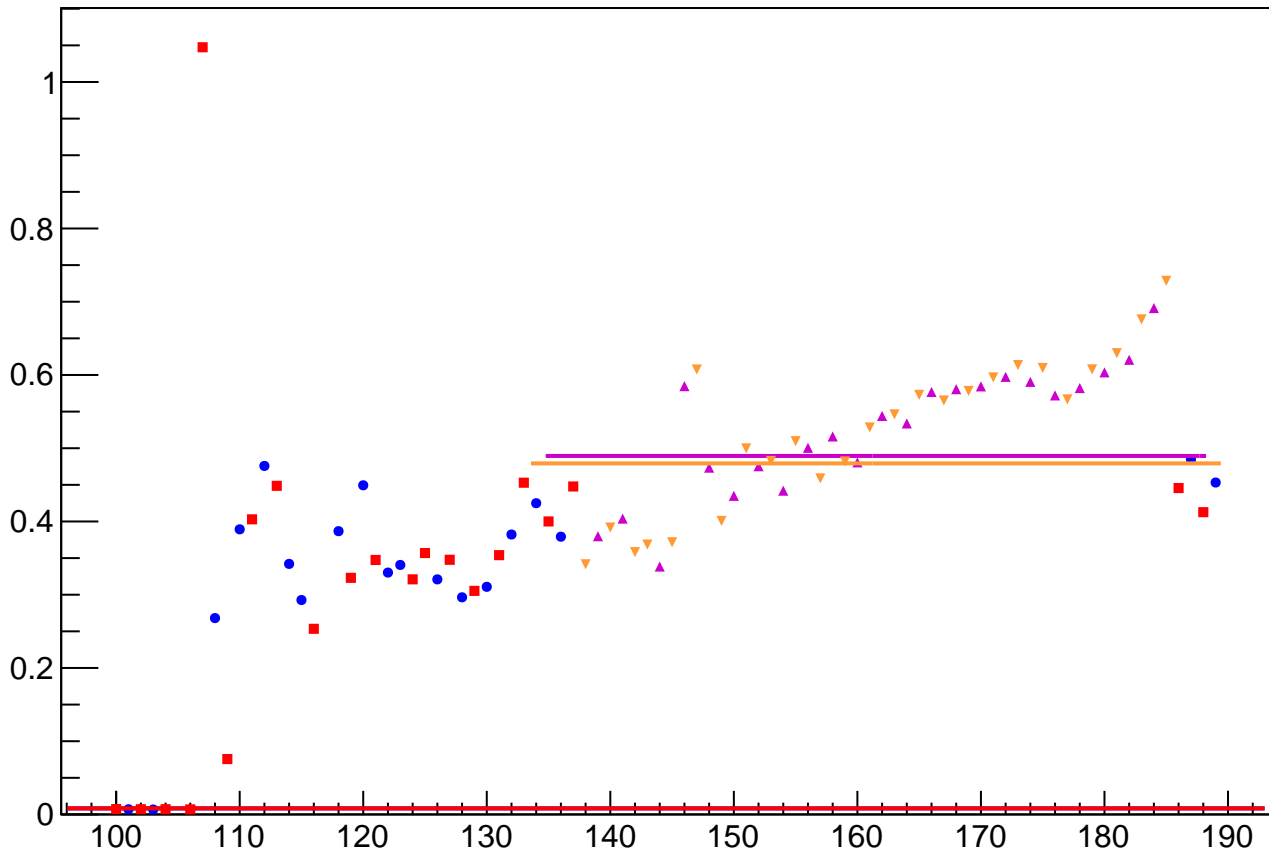
Left In: 148.672+/-0.000 χ^2/NDF : 252846428.3/22

+ sign 376.960+/-0.000 χ^2/NDF : 6548885541597.8

All: 376.530+/-0.000 χ^2/NDF : 188148145496

- sign 376.153+/-0.000 χ^2/NDF : 12261287384311.6

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 10972410.0/18

Left Out: 0.479+/-0.000 χ^2/NDF : 1516566.1/24

Right Out: 0.008+/-0.000 χ^2/NDF : 11810799.1/20

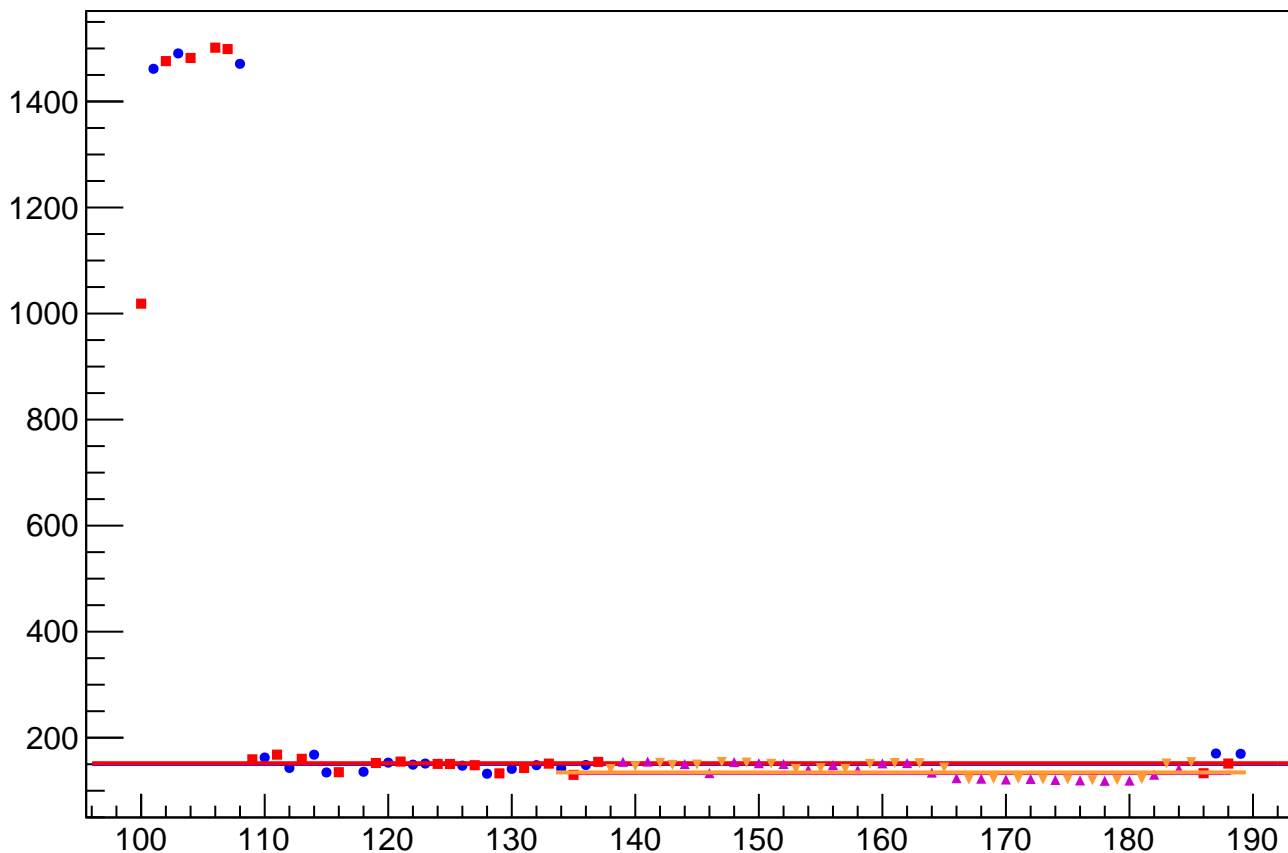
Left In: 0.489+/-0.000 χ^2/NDF : 1076134.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 45460797.8/43

All: 0.011+/-0.000 χ^2/NDF : 89874258.1/87

- sign 0.010+/-0.000 χ^2/NDF : 44411642.6/43

yield_bcm0l02_mean vs Slug



Right In: 150.641+/-0.000 χ^2/NDF : 24818171492.3/18

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 151.840+/-0.000 χ^2/NDF : 33960098357.9/20

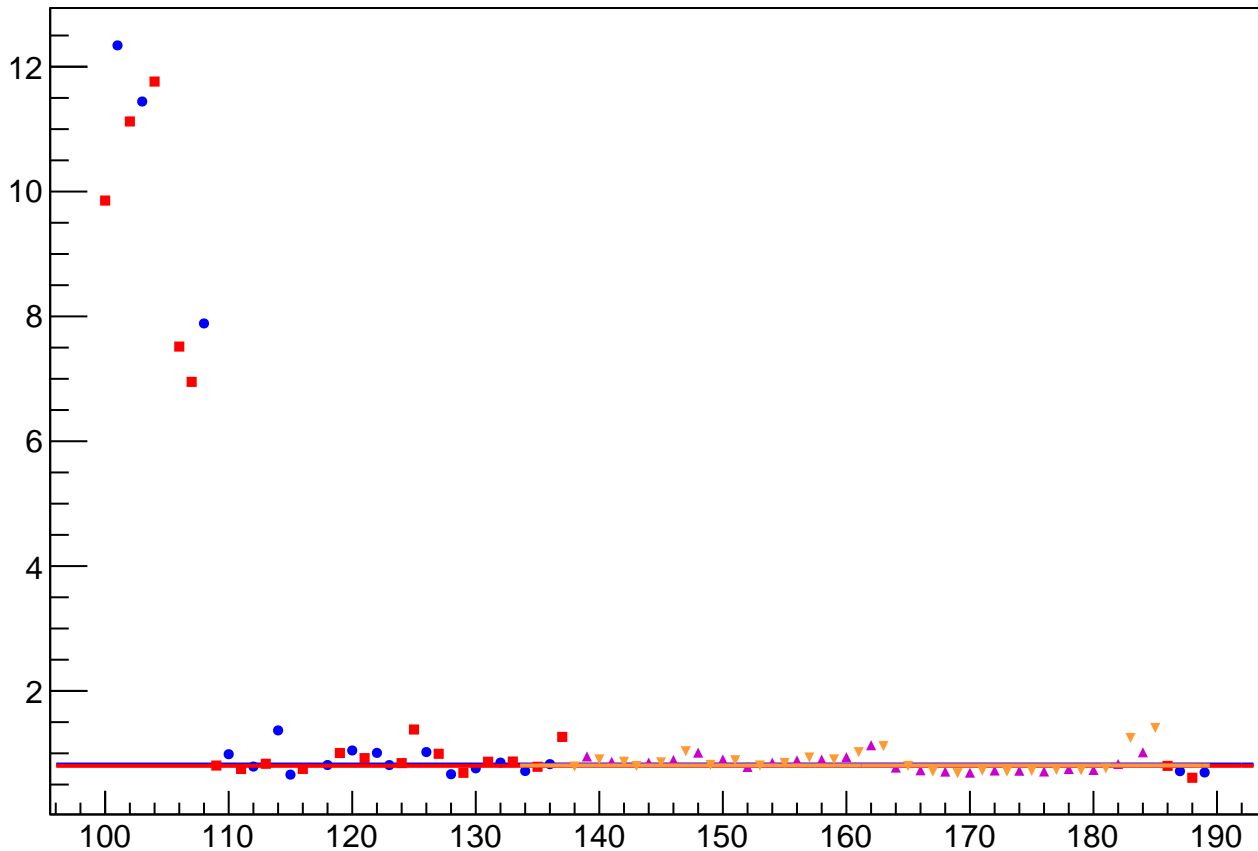
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 137.973+/-0.000 χ^2/NDF : 30499495431.4/43

All: 138.027+/-0.000 χ^2/NDF : 70758970071.4/100

- sign 138.080+/-0.000 χ^2/NDF : 40259301544.7/43

yield_bcm0l02_rms vs Slug



Right In: 0.821 \pm 0.000 χ^2 /NDF: 2697592.1/18

Left Out: 0.806 \pm 0.000 χ^2 /NDF:690578.5/24

Right Out: 0.800 \pm 0.000 χ^2 /NDF: 3041970.5/20

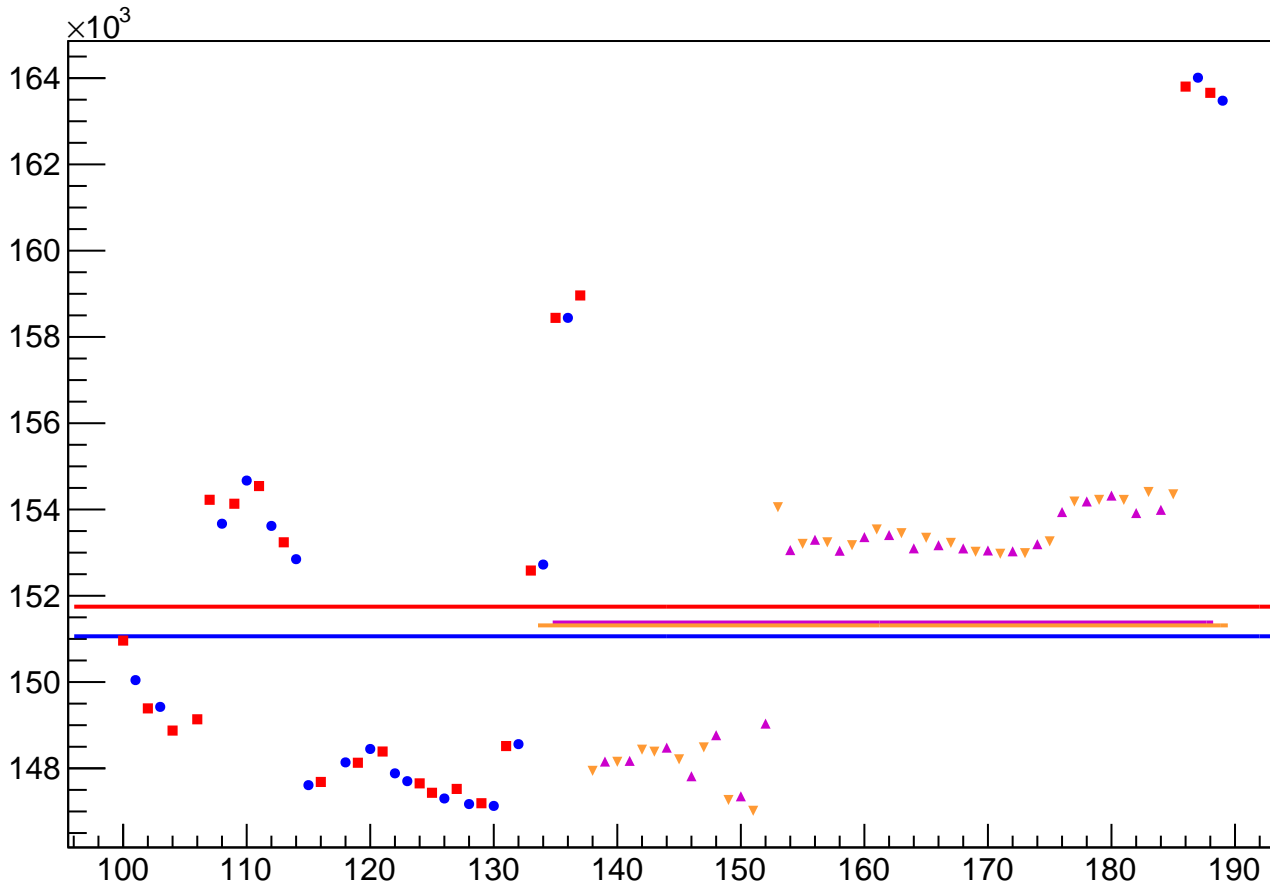
Left In: 0.805 \pm 0.000 χ^2 /NDF:480510.8/22

+ sign 0.809 \pm 0.000 χ^2 /NDF: 3390384.7/43

All: 0.806 \pm 0.000 χ^2 /NDF: 6914100.0/87

- sign 0.804 \pm 0.000 χ^2 /NDF: 3522733.3/43

yield_bpm0i01WS_mean vs Slug



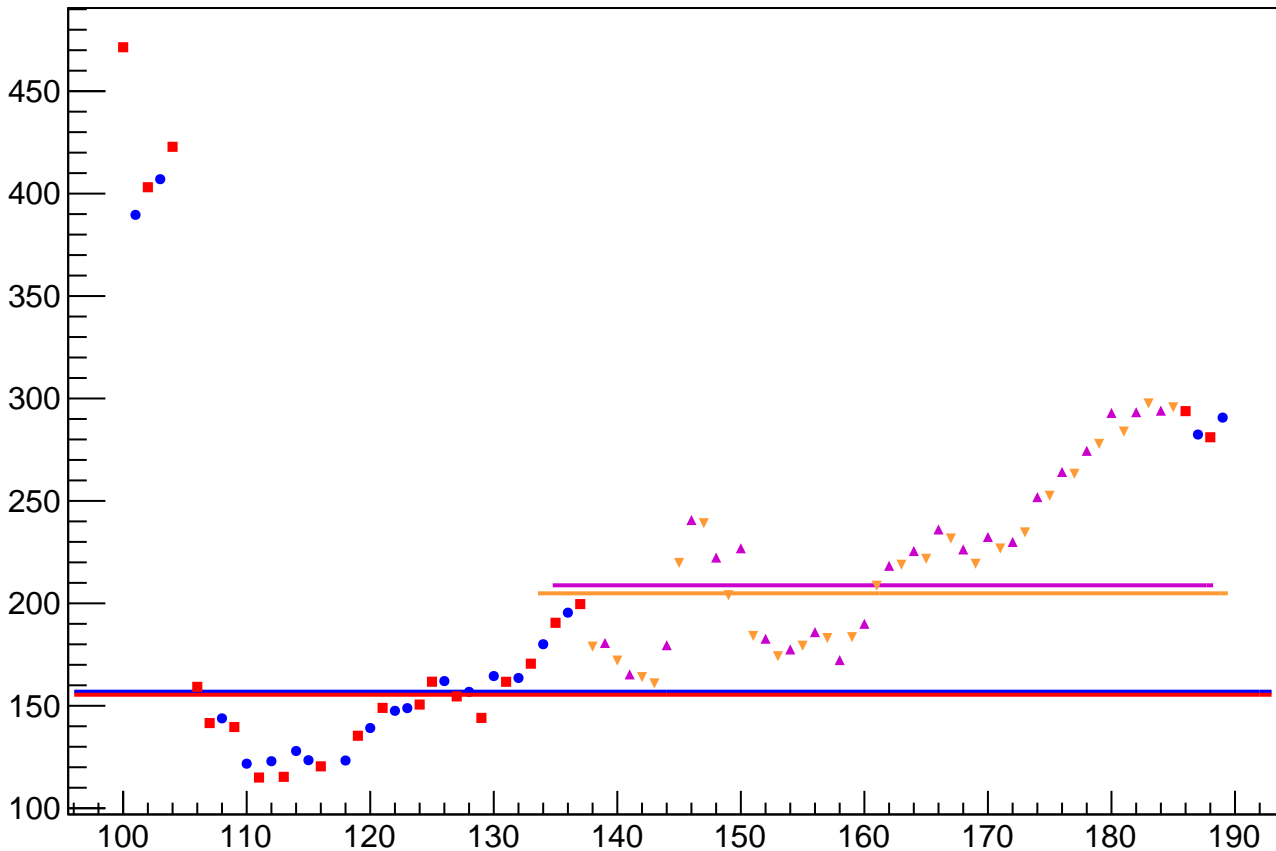
Right In: 151060.820+/-0.062 χ^2 /NDF: 4525562323.6/18

Left Out: 151313.284+/-0.049 χ^2 /NDF: 3153768134.8/24 + sign 151217.311+/-0.038 χ^2 /NDF: 7689553438.9

Right Out: 151747.421+/-0.058 χ^2 /NDF: 5636451997.0/20 All: 151378.598+/-0.027 χ^2 /NDF: 157478693

Left In: 151380.236+/-0.051 χ^2 /NDF: 2363895785.3/22 - sign 151540.618+/-0.038 χ^2 /NDF: 8022821923.1/20

yield_bpm0i01WS_rms vs Slug



Right In: 156.878 \pm 0.044 χ^2 /NDF: 1424682.5/18

Left Out: 204.900 \pm 0.034 χ^2 /NDF:1056380.8/24

Right Out: 155.397 \pm 0.041 χ^2 /NDF: 1737367.2/20

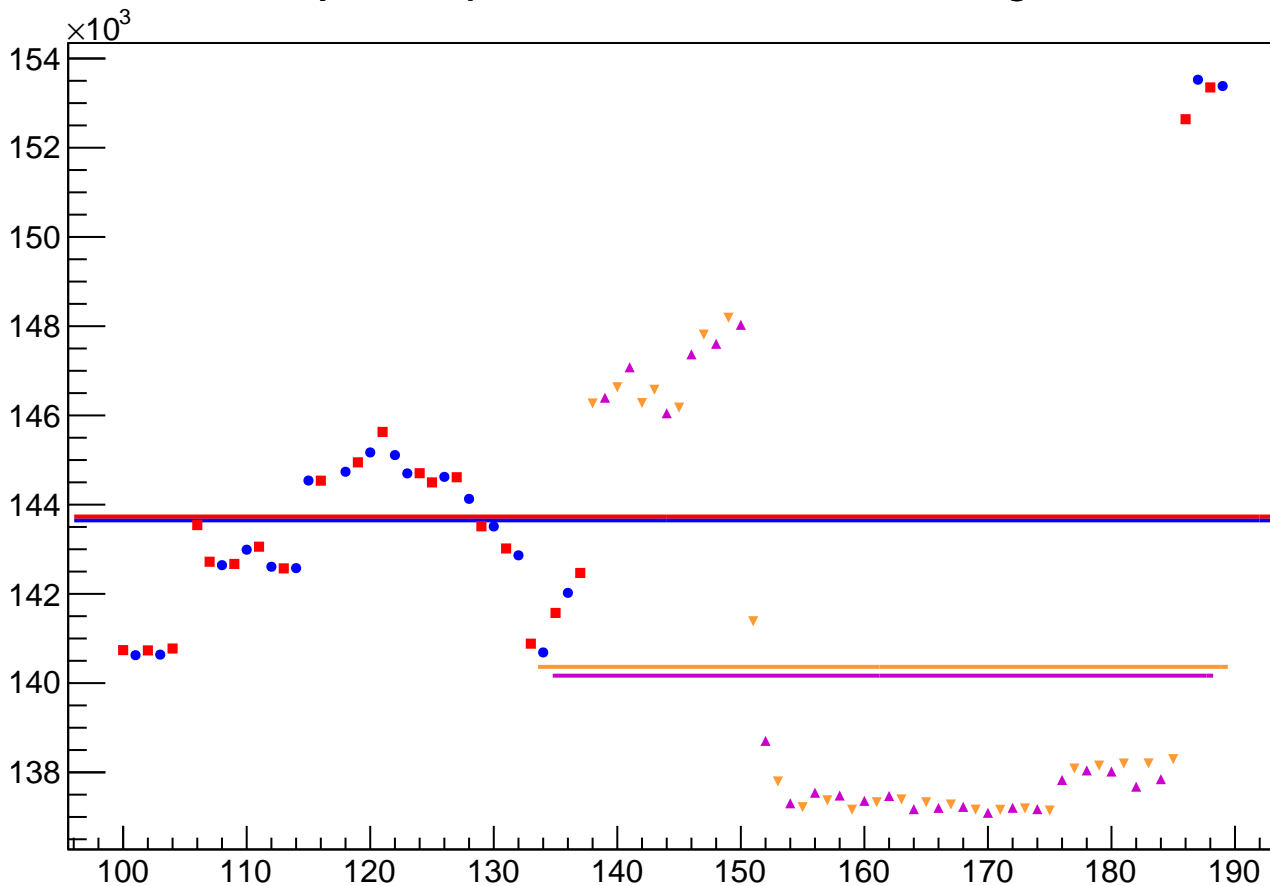
Left In: 208.813 \pm 0.036 χ^2 /NDF:1001936.6/22

+ sign 186.644 \pm 0.027 χ^2 /NDF: 3220791.5/43

All: 186.064 \pm 0.019 χ^2 /NDF: 6912231.0/87

- sign 185.481 \pm 0.027 χ^2 /NDF: 3690520.8/43

yield_bpm0i01aWS_mean vs Slug



Right In: 143648.150+/-0.052 χ^2 /NDF: 1464786608.6/18

Left Out: 140364.444+/-0.045 χ^2 /NDF: 8677078677.7/24

Right Out: 143733.853+/-0.048 χ^2 /NDF: 2448571513.9/20

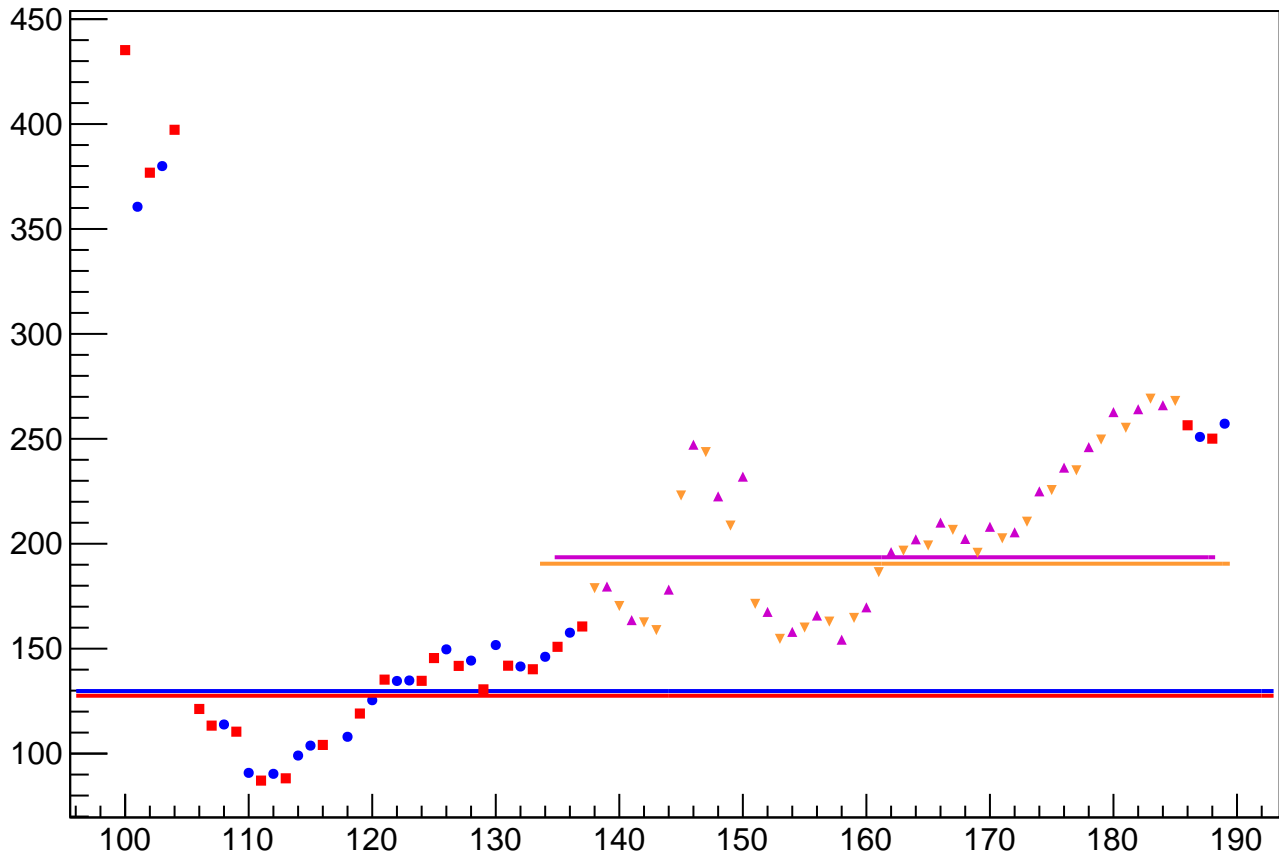
Left In: 140166.971+/-0.047 χ^2 /NDF: 8028464654.6/22

+ sign 141775.280+/-0.034 χ^2 /NDF: 12407644128.

All: 141853.900+/-0.024 χ^2 /NDF: 256892609

- sign 141930.634+/-0.034 χ^2 /NDF: 13271143241.8

yield_bpm0i01aWS_rms vs Slug



Right In: 129.806 \pm 0.037 χ^2 /NDF: 1755599.5/18

Left Out: 190.486 \pm 0.032 χ^2 /NDF:950233.2/24

Right Out: 127.571 \pm 0.034 χ^2 /NDF: 2100950.9/20

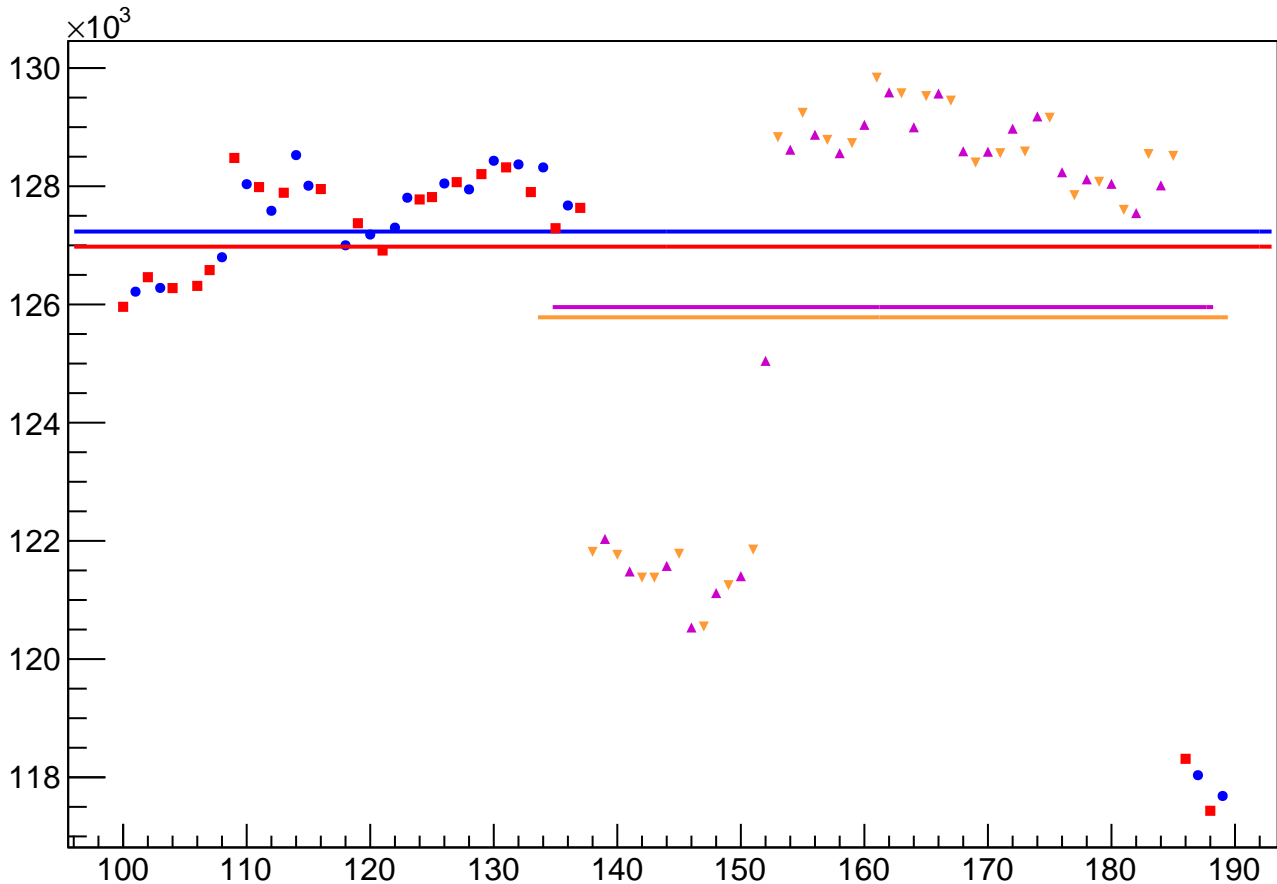
Left In: 193.558 \pm 0.034 χ^2 /NDF:963675.0/22

+ sign 164.415 \pm 0.024 χ^2 /NDF: 4253242.0/43

All: 162.652 \pm 0.017 χ^2 /NDF: 9240962.0/87

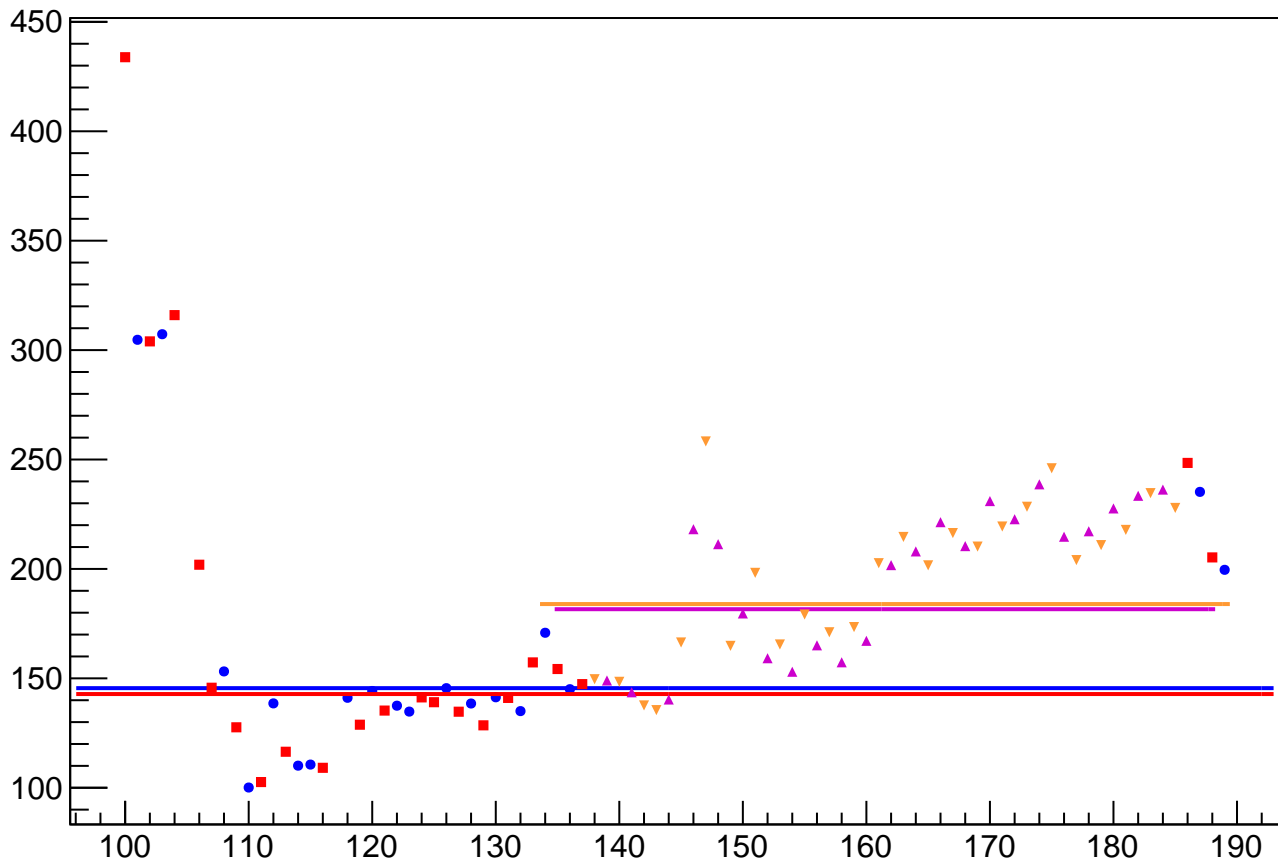
- sign 160.931 \pm 0.024 χ^2 /NDF: 4977181.8/43

yield_bpm0l01WS_mean vs Slug



Right In: 127233.704+/-0.057	χ^2/NDF : 1483224911.0/18	+ sign 126327.158+/-0.035	χ^2/NDF : 8620920624.7
Left Out: 125782.764+/-0.044	χ^2/NDF : 6729761889.8/24	All: 126357.445+/-0.024	χ^2/NDF : 172928848
Right Out: 126977.959+/-0.052	χ^2/NDF : 2646967251.7/20	- sign 126386.520+/-0.034	χ^2/NDF : 8670478152.5/
Left In: 125955.637+/-0.045	χ^2/NDF : 5804088930.1/22		

yield_bpm0l01WS_rms vs Slug



Right In: 145.520 \pm 0.040 χ^2 /NDF: 953791.6/18

Left Out: 183.947 \pm 0.031 χ^2 /NDF: 1123194.0/24

Right Out: 142.824 \pm 0.037 χ^2 /NDF: 1277059.1/20

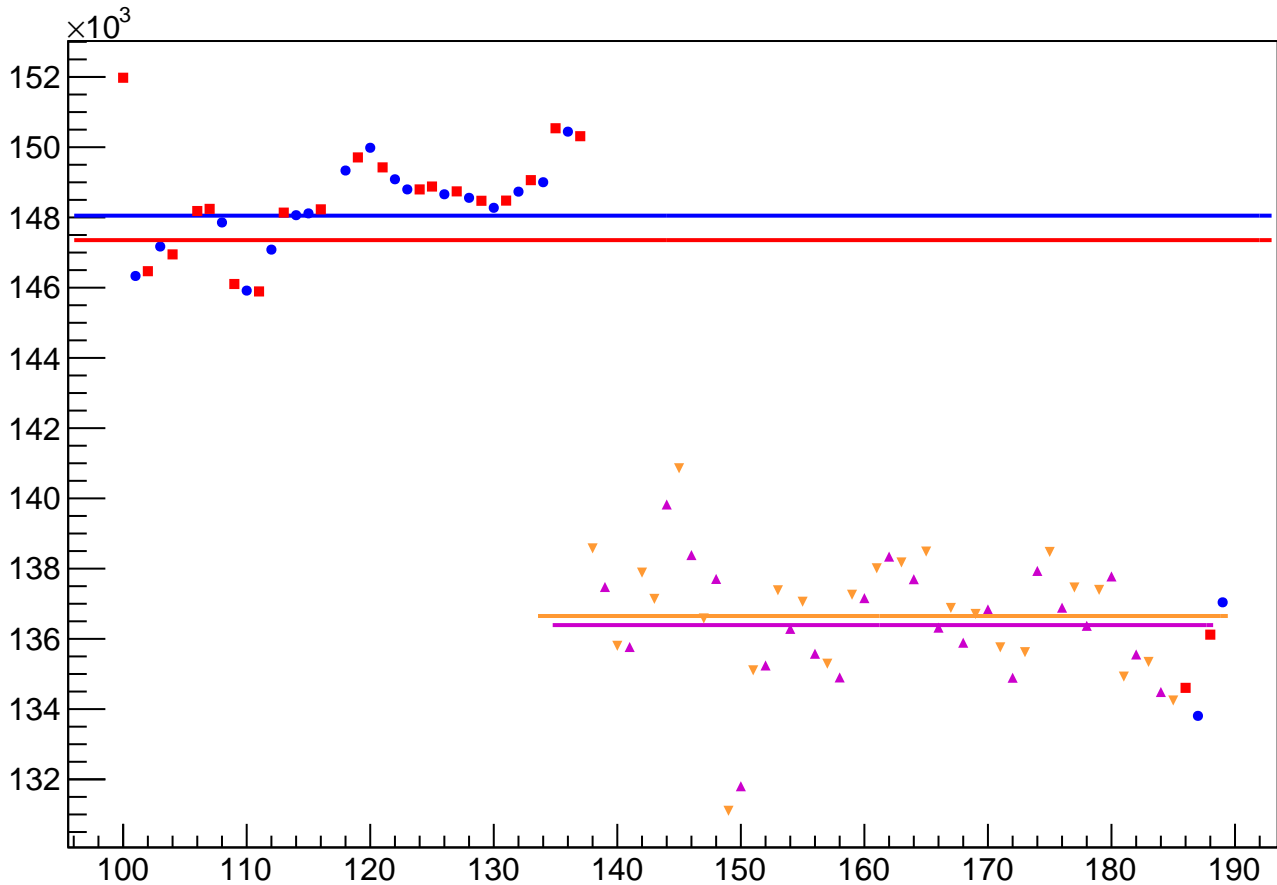
Left In: 181.596 \pm 0.032 χ^2 /NDF: 1103524.3/22

+ sign 169.529 \pm 0.025 χ^2 /NDF: 2649238.6/43

All: 167.348 \pm 0.017 χ^2 /NDF: 5676439.9/87

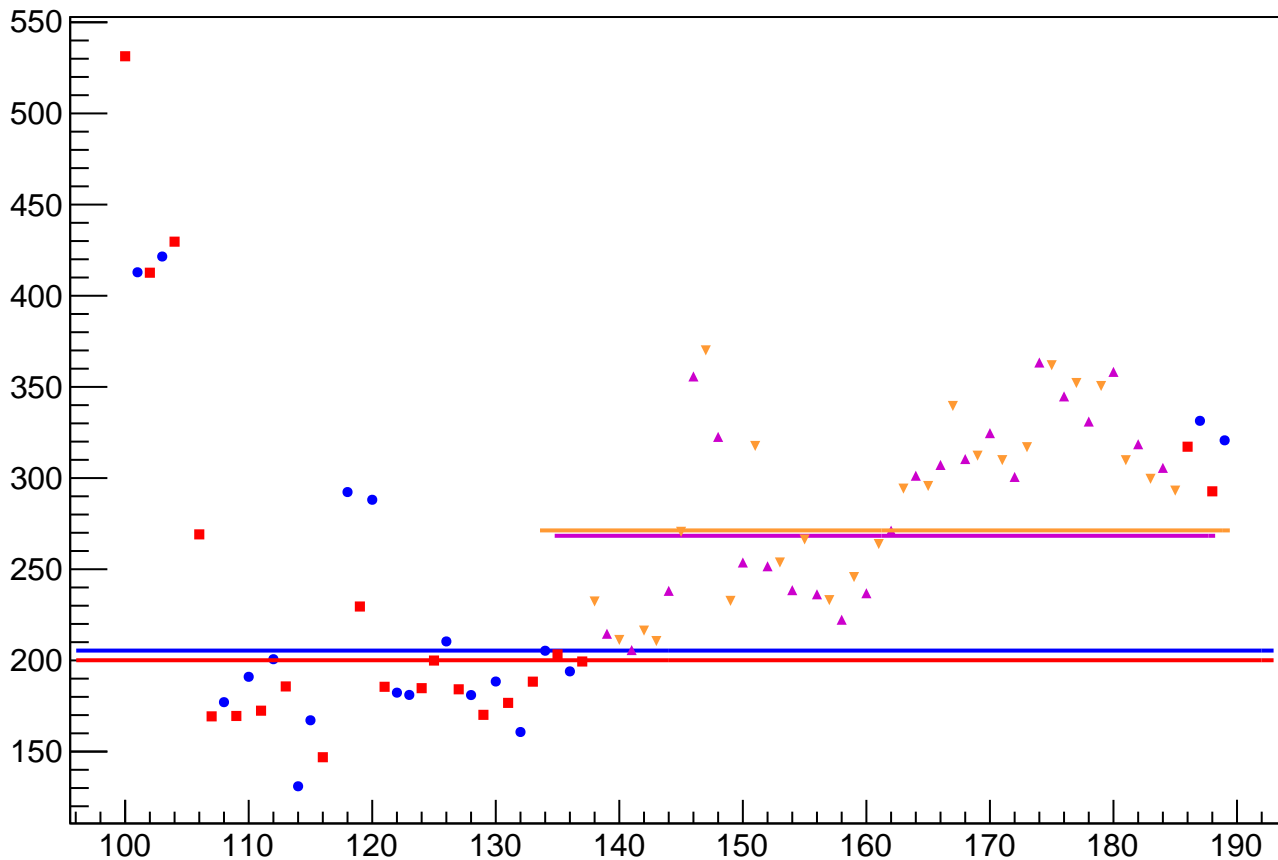
- sign 165.254 \pm 0.024 χ^2 /NDF: 3011789.4/43

yield_bpm0l02WS_mean vs Slug



Right In: 148050.653+/-0.081	χ^2/NDF : 1086051846.7/18	+ sign 141109.086+/-0.050	χ^2/NDF : 14185181032.
Left Out: 136650.935+/-0.065	χ^2/NDF : 930649595.5/24	All: 141197.533+/-0.035	χ^2/NDF : 295377400
Right Out: 147354.000+/-0.074	χ^2/NDF : 2328707177.3/20	- sign 141281.373+/-0.049	χ^2/NDF : 15346567237.1
Left In: 136392.188+/-0.066	χ^2/NDF : 701986841.4/22		

yield_bpm0l02WS_rms vs Slug



Right In: 205.388 \pm 0.057 χ^2 /NDF: 1109628.3/18

Left Out: 271.295 \pm 0.046 χ^2 /NDF:1064485.7/24

Right Out: 200.085 \pm 0.052 χ^2 /NDF: 1143349.9/20

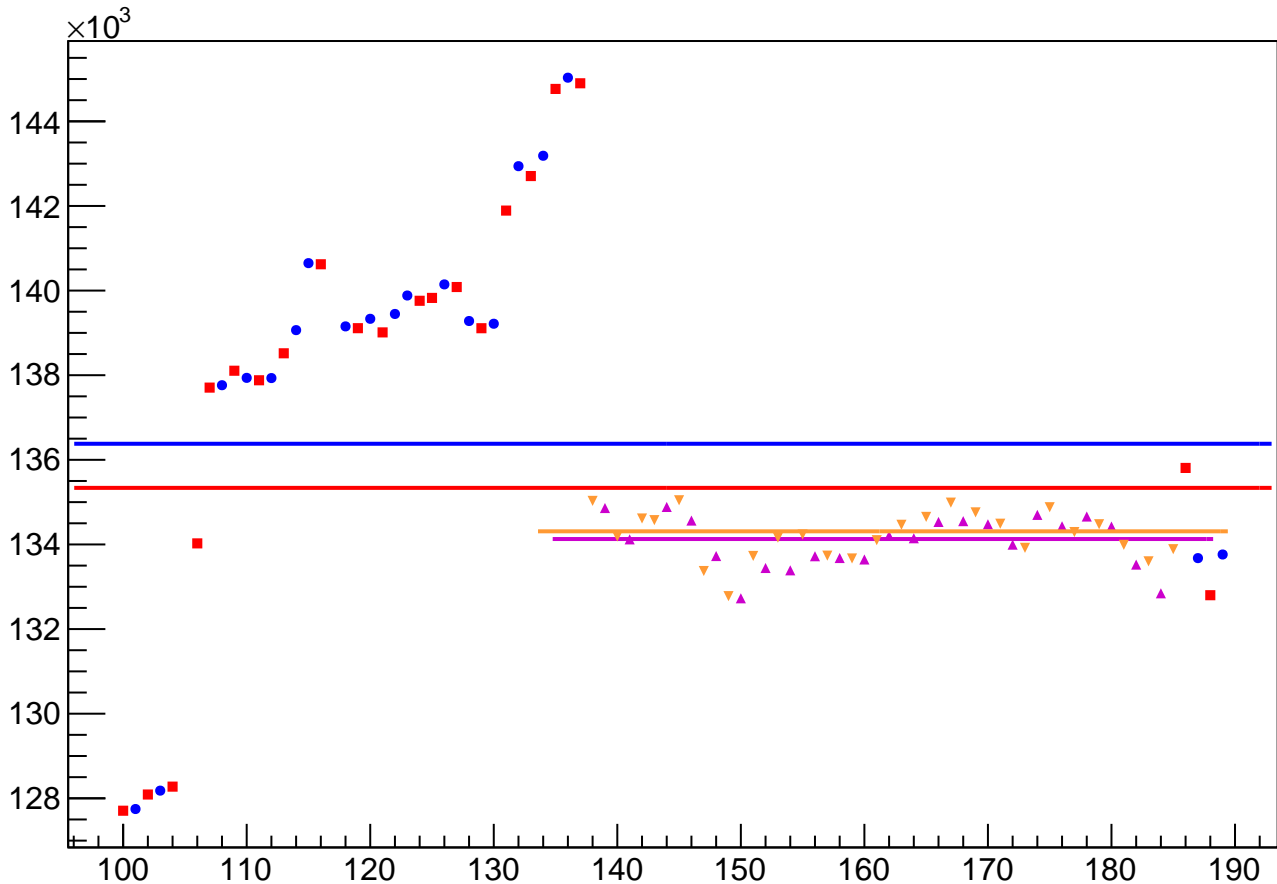
Left In: 268.344 \pm 0.047 χ^2 /NDF:1077364.0/22

+ sign 245.521 \pm 0.036 χ^2 /NDF: 2987577.8/43

All: 241.608 \pm 0.025 χ^2 /NDF: 6186841.8/87

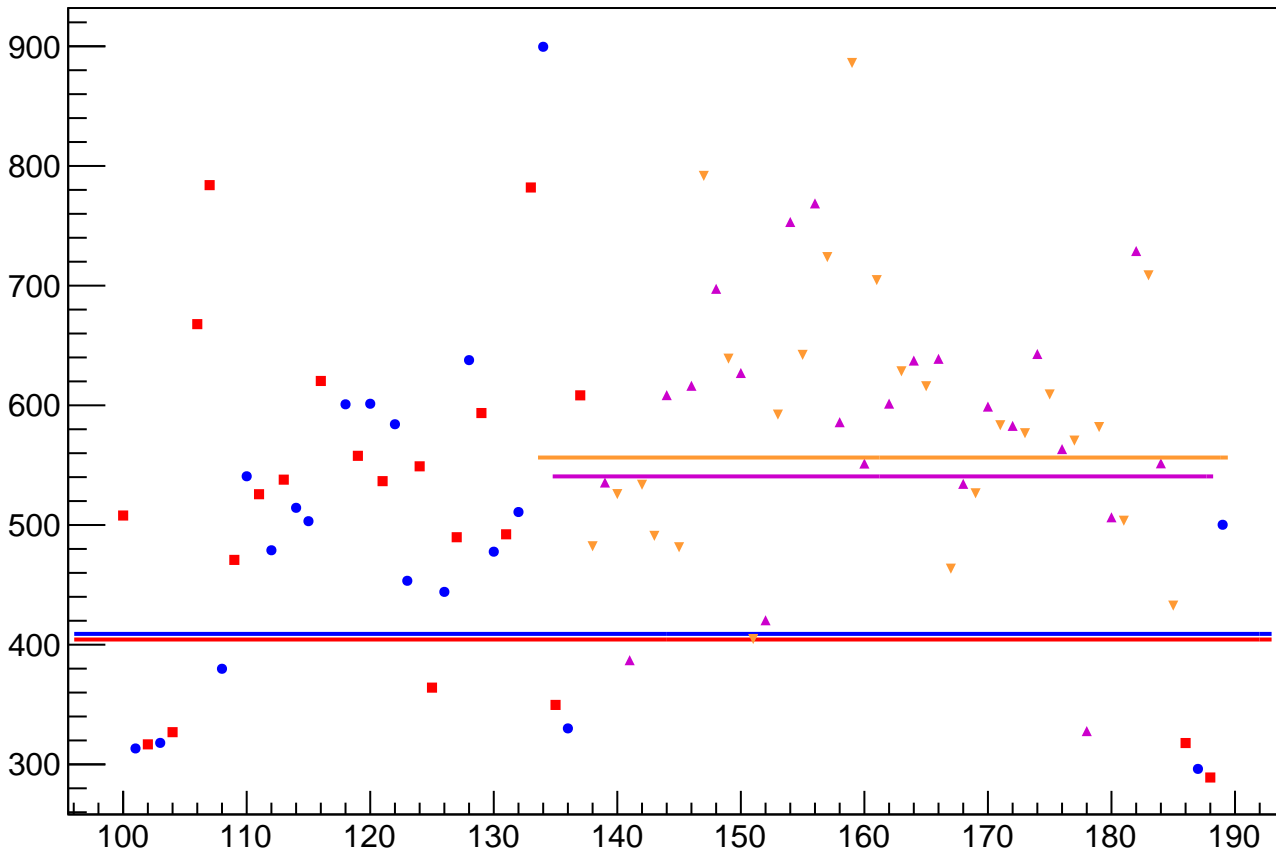
- sign 237.899 \pm 0.035 χ^2 /NDF: 3175810.6/43

yield_bpm0l03WS_mean vs Slug



Right In: 136379.623+/-0.165	χ^2/NDF : 1514148225.9/18	+ sign 135164.588+/-0.106	χ^2/NDF : 1621757660.3
Left Out: 134310.250+/-0.139	χ^2/NDF : 15518632.9/24	All: 134916.613+/-0.075	χ^2/NDF : 282561227
Right Out: 135337.231+/-0.157	χ^2/NDF : 1144834796.6/20	- sign 134672.930+/-0.105	χ^2/NDF : 1193038567.5
Left In: 134128.172+/-0.142	χ^2/NDF : 15533736.2/22		

yield_bpm0l03WS_rms vs Slug



Right In: 409.026 \pm 0.117 χ^2 /NDF: 886222.9/18

Left Out: 556.381 \pm 0.098 χ^2 /NDF:1002064.0/24

Right Out: 404.331 \pm 0.111 χ^2 /NDF: 1261524.6/20

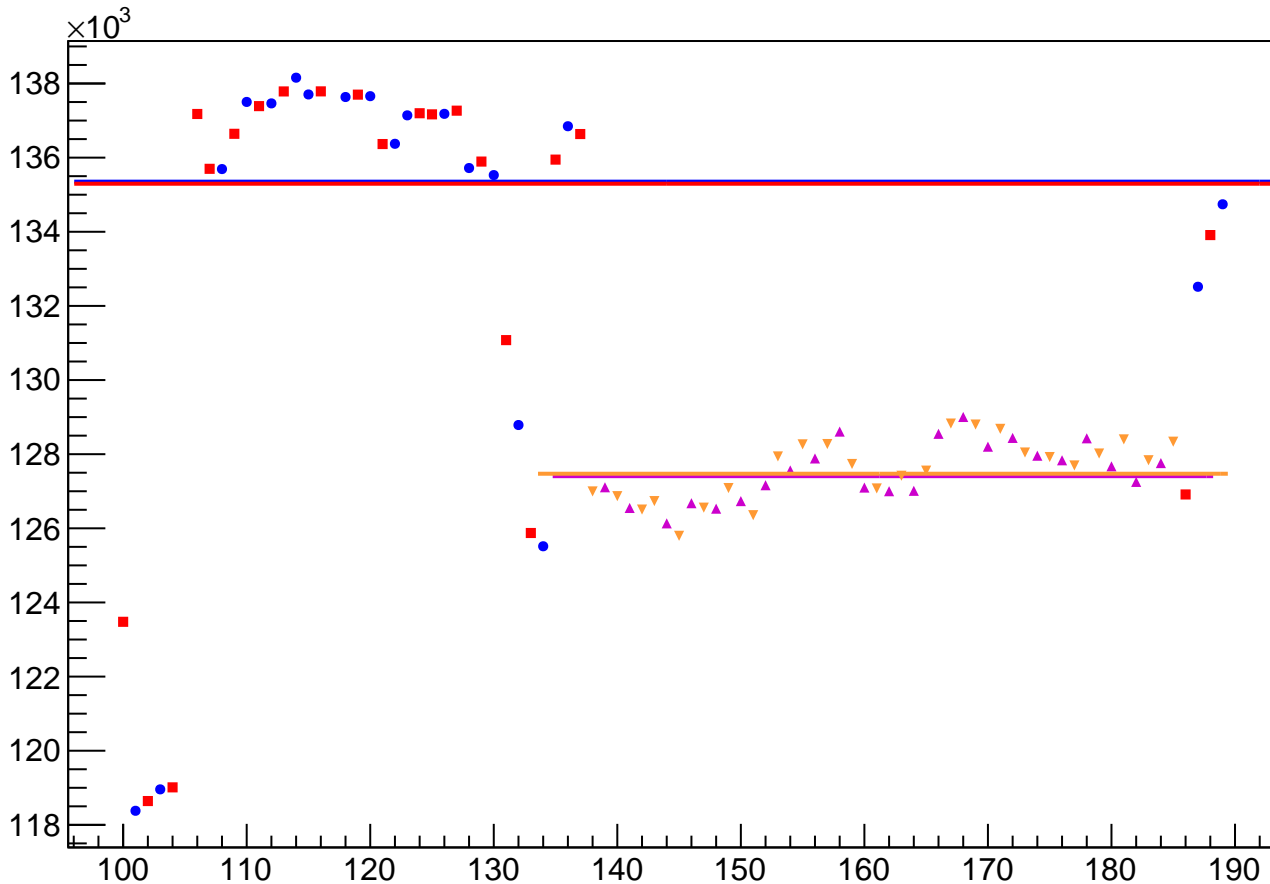
Left In: 540.607 \pm 0.100 χ^2 /NDF:1409015.2/22

+ sign 495.546 \pm 0.075 χ^2 /NDF: 2822193.0/43

All: 487.305 \pm 0.053 χ^2 /NDF: 6346709.3/87

- sign 479.206 \pm 0.074 χ^2 /NDF: 3500623.5/43

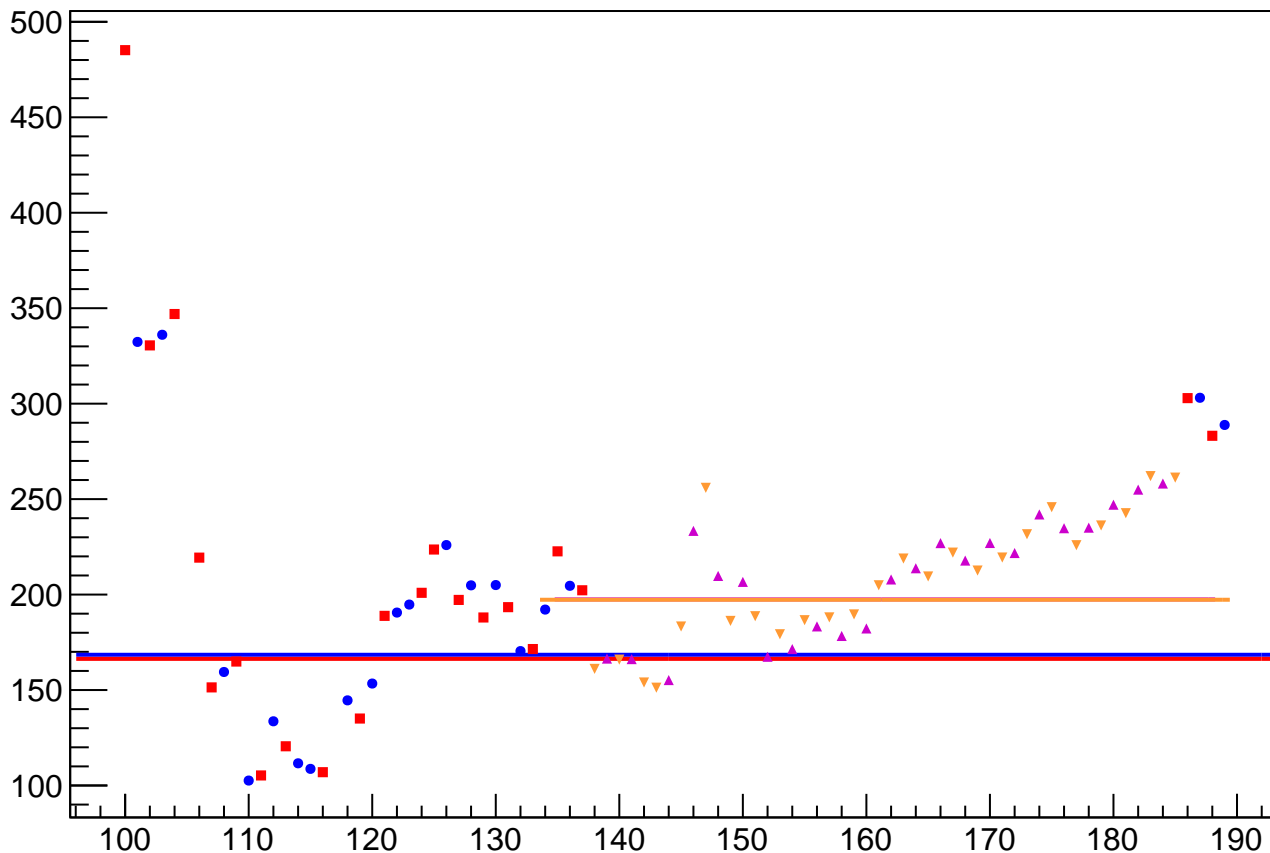
yield_bpm0l04WS_mean vs Slug



Right In: 135351.987 \pm 0.067 χ^2 /NDF: 4593381631.5/18
 Left Out: 127472.525 \pm 0.047 χ^2 /NDF: 303609315.6/24
 Right Out: 135296.142 \pm 0.063 χ^2 /NDF: 5051080926.4/20
 Left In: 127406.911 \pm 0.048 χ^2 /NDF: 269927988.0/22

+ sign 130049.302 \pm 0.038 χ^2 /NDF: 14144978231.5/24
 All: 130206.183 \pm 0.027 χ^2 /NDF: 294647706.4/24
 - sign 130361.527 \pm 0.038 χ^2 /NDF: 15286640215.7/24

yield_bpm0l04WS_rms vs Slug



Right In: 168.472 \pm 0.048 χ^2 /NDF: 1459115.1/18

Left Out: 197.289 \pm 0.033 χ^2 /NDF: 852024.1/24

Right Out: 166.321 \pm 0.044 χ^2 /NDF: 1849397.5/20

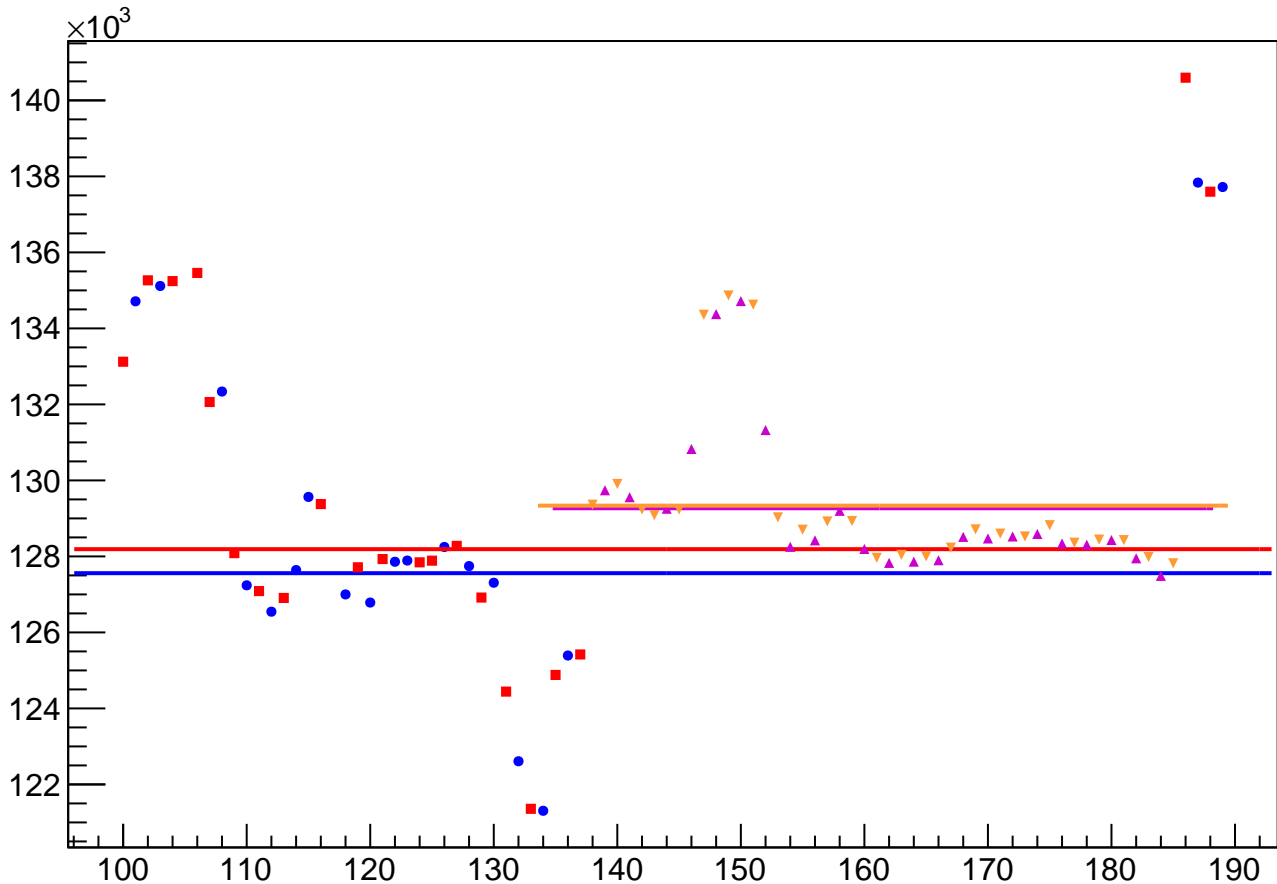
Left In: 197.471 \pm 0.034 χ^2 /NDF: 791577.5/22

+ sign 187.865 \pm 0.027 χ^2 /NDF: 2558533.2/43

All: 186.830 \pm 0.019 χ^2 /NDF: 5513131.9/87

- sign 185.805 \pm 0.027 χ^2 /NDF: 2951710.9/43

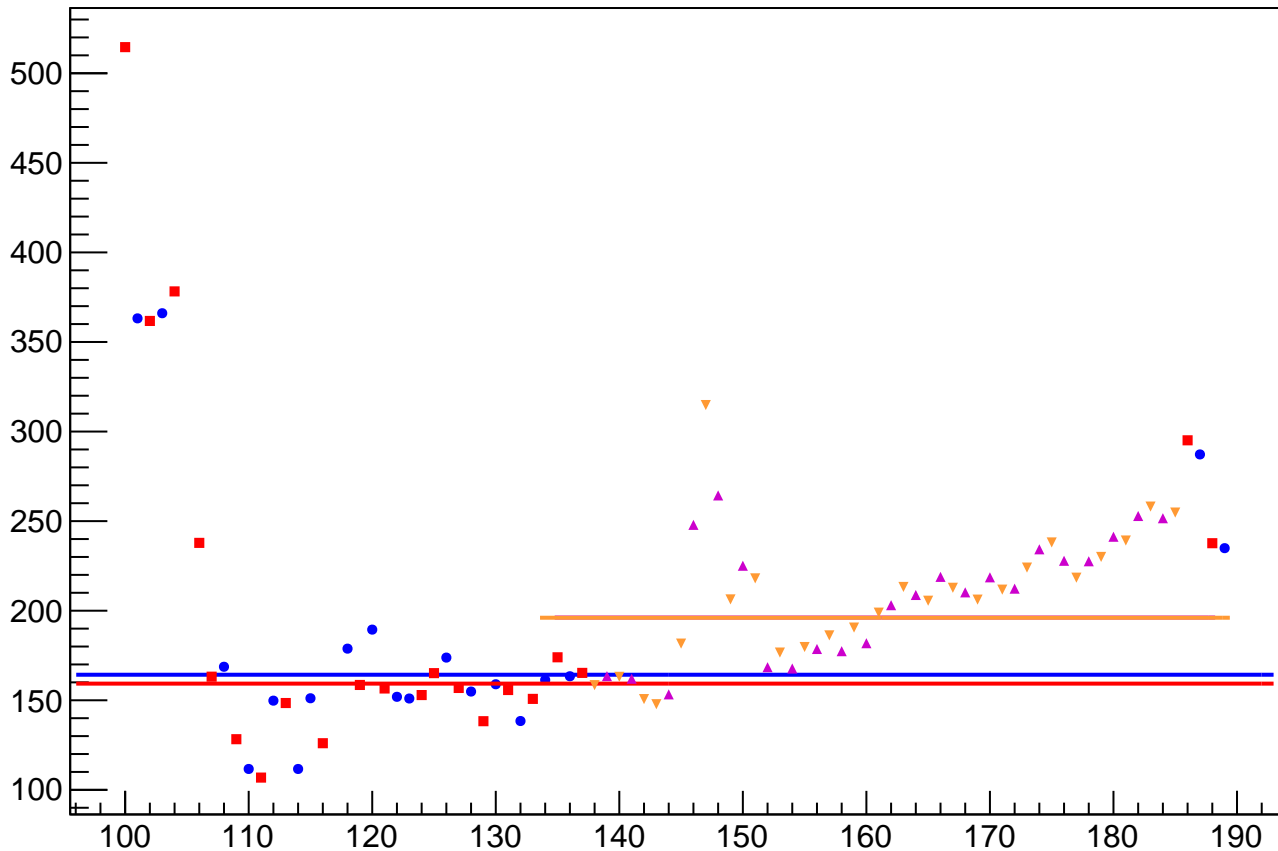
yield_bpm0l05WS_mean vs Slug



Right In: 127558.755 \pm 0.065 χ^2 /NDF: 2852224167.3/18
 Left Out: 129335.946 \pm 0.047 χ^2 /NDF: 1450933621.0/24
 Right Out: 128190.476 \pm 0.059 χ^2 /NDF: 4273494906.2/20
 Left In: 129266.909 \pm 0.048 χ^2 /NDF: 1213762773.1/22

+ sign 128729.864 \pm 0.038 χ^2 /NDF: 4796477959.3
 All: 128785.625 \pm 0.027 χ^2 /NDF: 104862474
 - sign 128839.837 \pm 0.037 χ^2 /NDF: 5685507525.9

yield_bpm0l05WS_rms vs Slug



Right In: 164.258 \pm 0.046 χ^2 /NDF: 1088589.0/18

Left Out: 196.077 \pm 0.033 χ^2 /NDF: 975710.9/24

Right Out: 159.295 \pm 0.042 χ^2 /NDF: 1460538.9/20

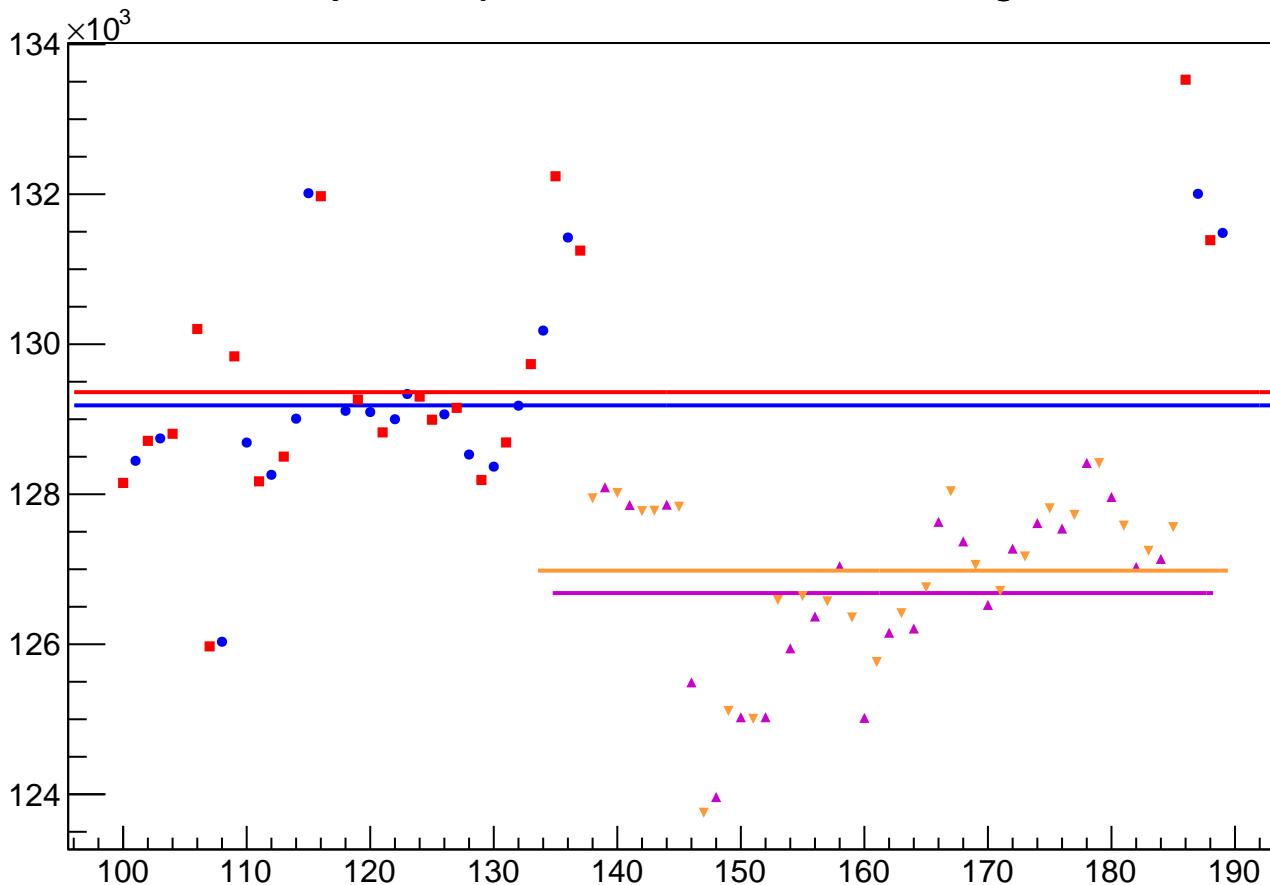
Left In: 196.186 \pm 0.034 χ^2 /NDF: 898058.0/22

+ sign 185.226 \pm 0.027 χ^2 /NDF: 2380579.5/43

All: 183.362 \pm 0.019 χ^2 /NDF: 5214395.5/87

- sign 181.550 \pm 0.026 χ^2 /NDF: 2824291.6/43

yield_bpm0l06WS_mean vs Slug



Right In: 129184.747 \pm 0.059 χ^2 /NDF: 554854803.8/18

Left Out: 126981.724 \pm 0.046 χ^2 /NDF: 530573115.8/24

Right Out: 129361.218 \pm 0.054 χ^2 /NDF: 792163608.8/20

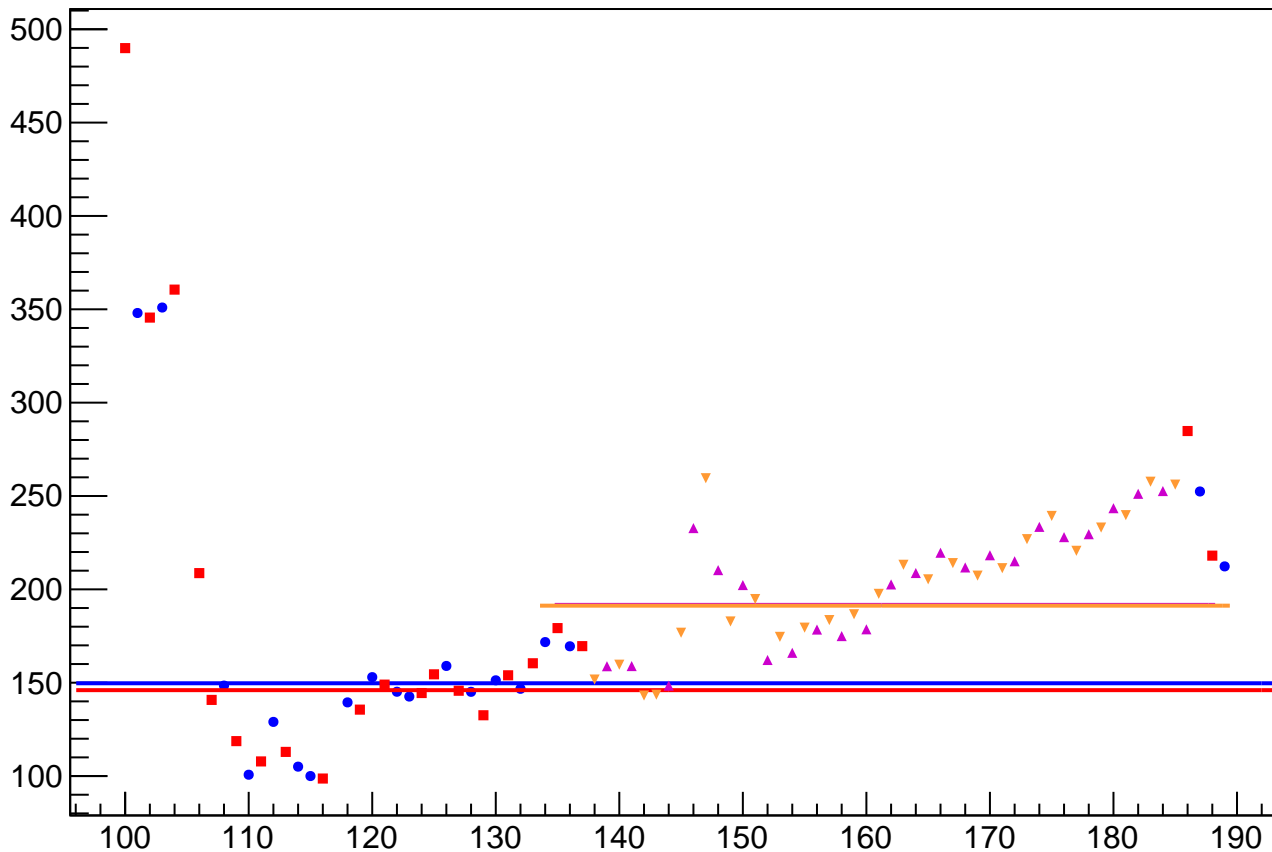
Left In: 126682.659 \pm 0.047 χ^2 /NDF: 660415880.0/22

+ sign 127805.620 \pm 0.036 χ^2 /NDF: 1961293137.8

All: 127819.171 \pm 0.025 χ^2 /NDF: 480863972

- sign 127832.337 \pm 0.036 χ^2 /NDF: 2847067508.2

yield_bpm0l06WS_rms vs Slug



Right In: 149.700 \pm 0.042 χ^2 /NDF: 1205897.7/18

Left Out: 191.263 \pm 0.032 χ^2 /NDF:992566.2/24

Right Out: 146.011 \pm 0.038 χ^2 /NDF: 1596429.4/20

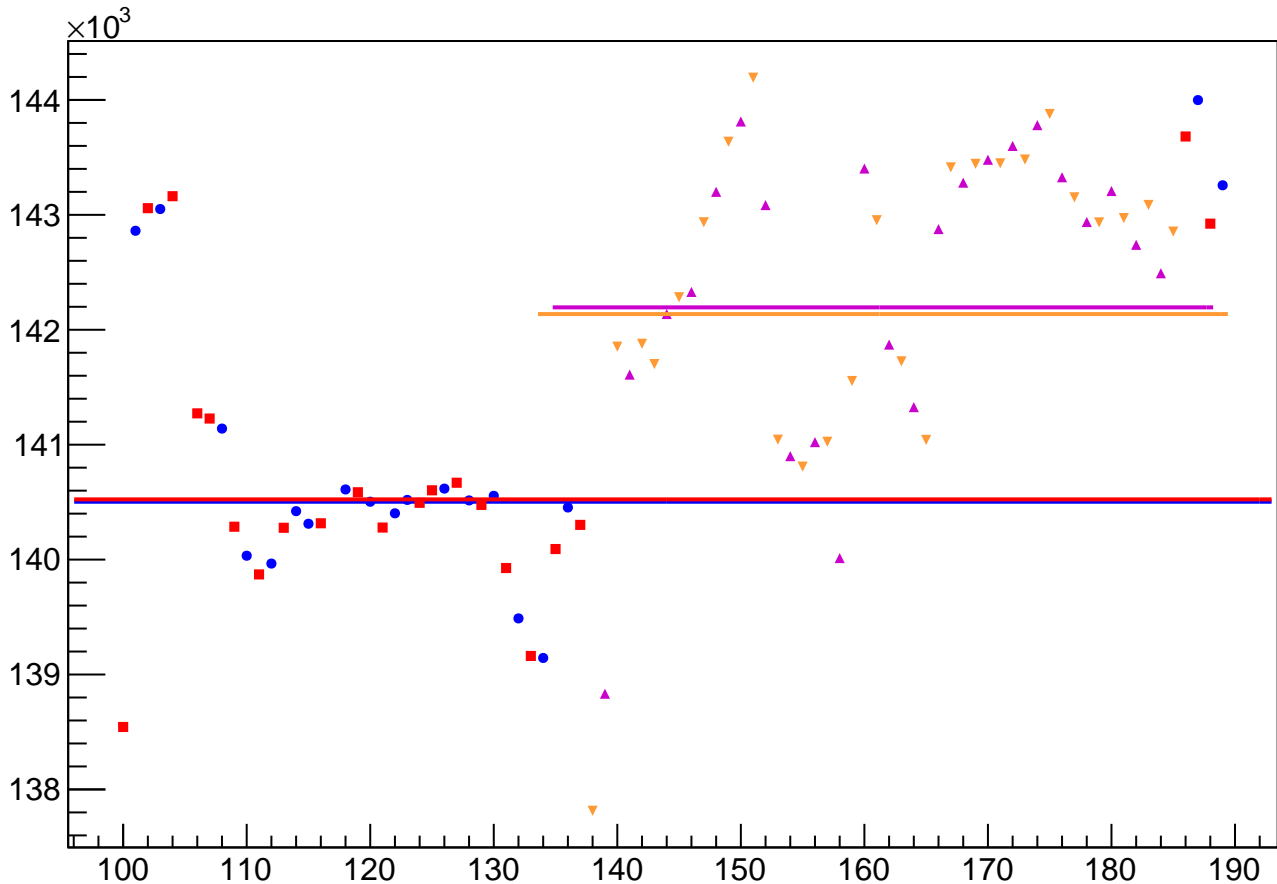
Left In: 191.683 \pm 0.033 χ^2 /NDF:864384.9/22

+ sign 175.719 \pm 0.025 χ^2 /NDF: 2821963.1/43

All: 173.873 \pm 0.018 χ^2 /NDF: 6103959.7/87

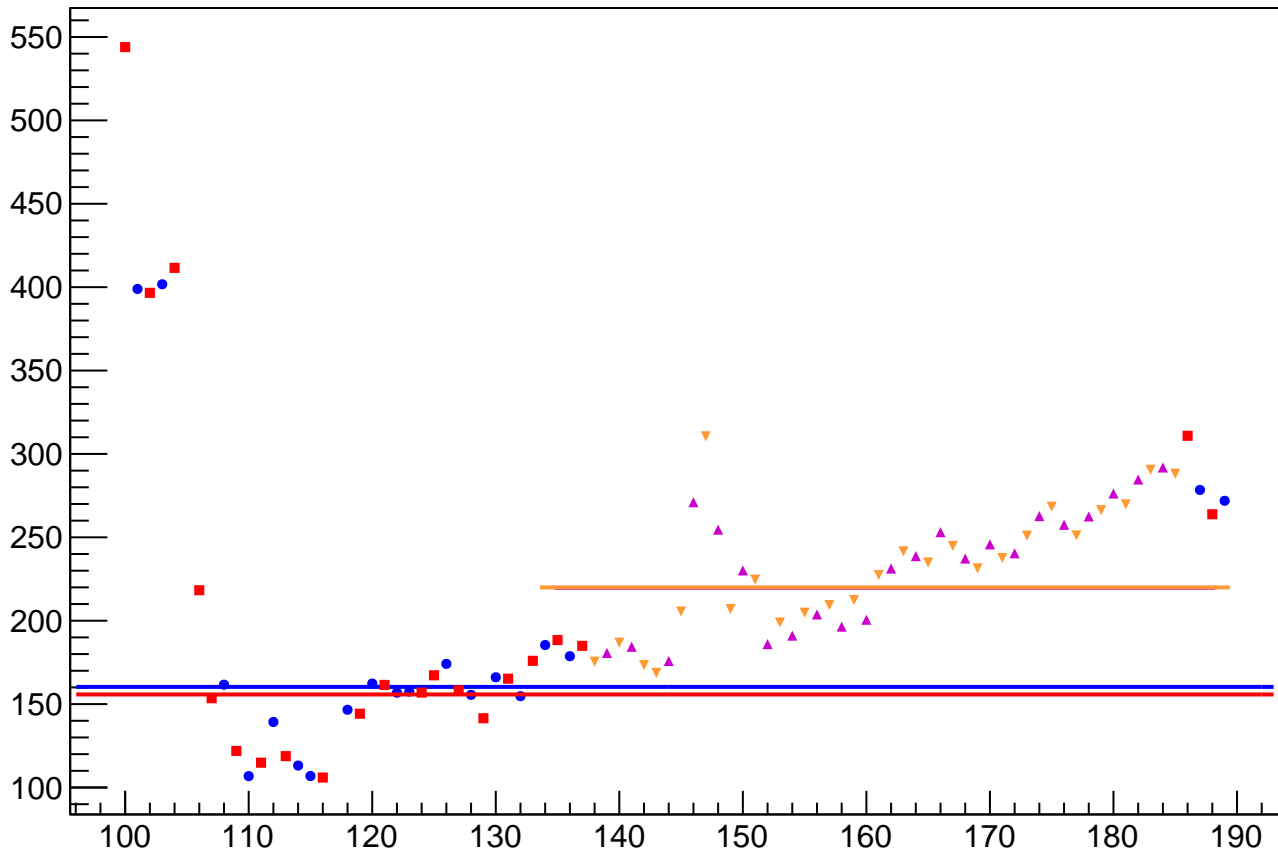
- sign 172.080 \pm 0.025 χ^2 /NDF: 3271639.3/43

yield_bpm0l07WS_mean vs Slug



Right In: 140503.554+/-0.063 χ^2/NDF : 163065303.0/18
 Left Out: 142136.579+/-0.052 χ^2/NDF : 815573343.0/24
 Right Out: 140524.101+/-0.058 χ^2/NDF : 216666380.3/20
 Left In: 142195.020+/-0.054 χ^2/NDF : 644030906.9/22
 + sign 141474.510+/-0.040 χ^2/NDF : 1373524480.0
 All: 141448.833+/-0.028 χ^2/NDF : 26789784
 - sign 141424.182+/-0.040 χ^2/NDF : 1304660119.3/

yield_bpm0l07WS_rms vs Slug



Right In: 160.323 \pm 0.045 χ^2 /NDF: 1376850.4/18

Left Out: 219.969 \pm 0.037 χ^2 /NDF:866616.3/24

Right Out: 155.789 \pm 0.041 χ^2 /NDF: 1809464.7/20

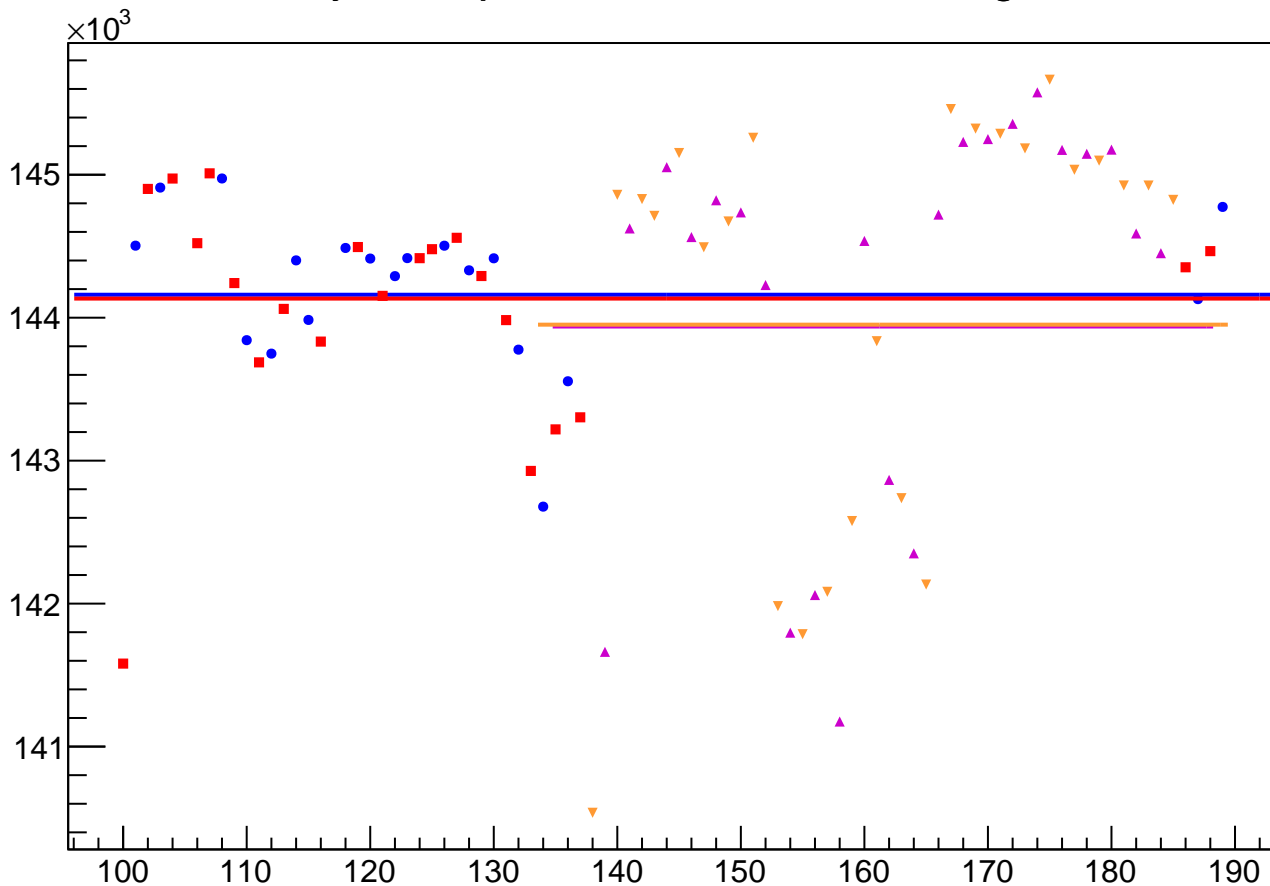
Left In: 219.685 \pm 0.038 χ^2 /NDF:812745.1/22

+ sign 195.787 \pm 0.029 χ^2 /NDF: 3297071.8/43

All: 192.941 \pm 0.020 χ^2 /NDF: 7237205.7/87

- sign 190.208 \pm 0.028 χ^2 /NDF: 3920620.7/43

yield_bpm0l08WS_mean vs Slug



Right In: 144160.617+/-0.065

χ^2 /NDF: 50681887.6/18

Left Out: 143951.284+/-0.052

χ^2 /NDF: 864679545.2/24

Right Out: 144133.695+/-0.060

χ^2 /NDF: 67409622.3/20

Left In: 143938.288+/-0.054

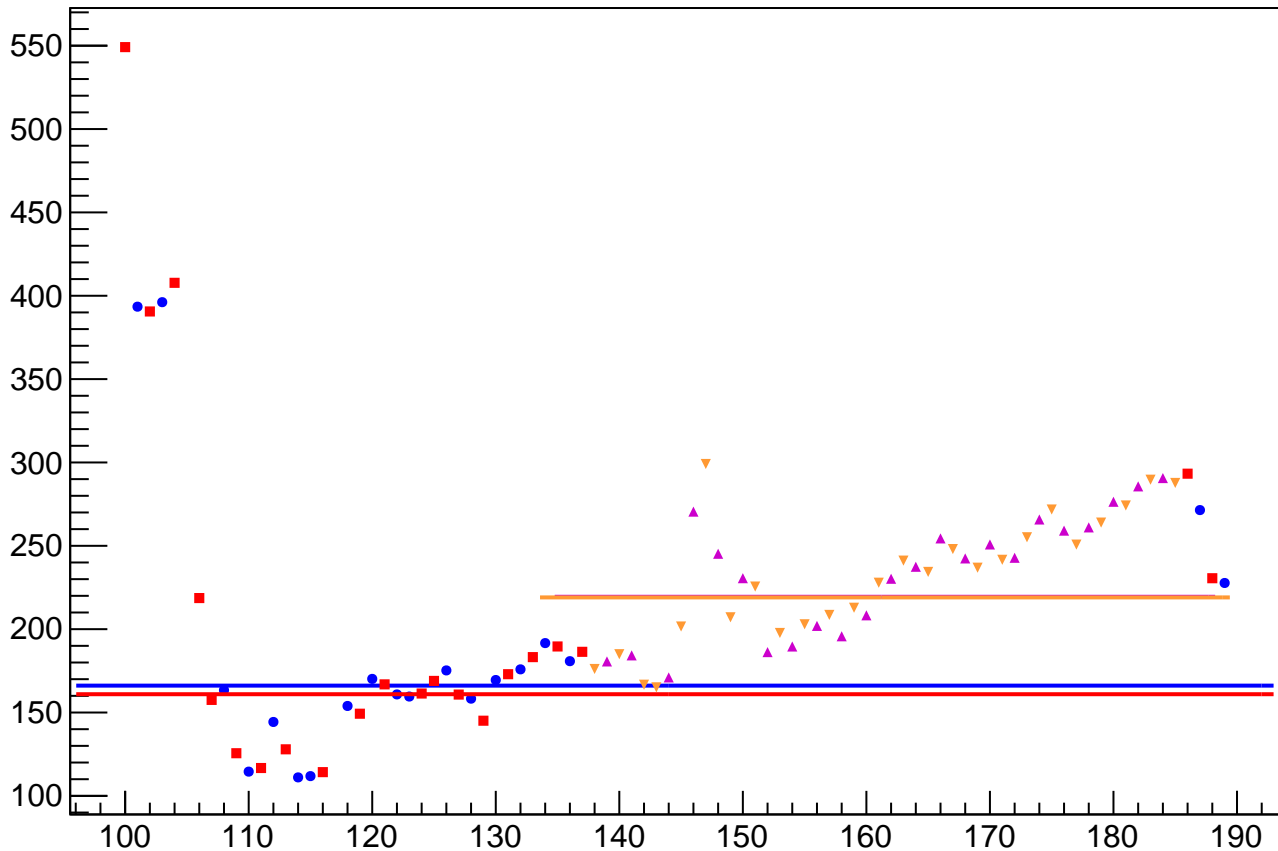
χ^2 /NDF: 719814685.6/22

+ sign 144032.856+/-0.041 χ^2 /NDF: 921643614.0/4

All: 144029.438+/-0.029 χ^2 /NDF: 171480440

- sign 144026.151+/-0.040 χ^2 /NDF: 793146975.3/4

yield_bpm0l08WS_rms vs Slug



Right In: 166.136 \pm 0.046 χ^2 /NDF: 1189868.5/18

Left Out: 219.050 \pm 0.037 χ^2 /NDF:934417.6/24

Right Out: 160.981 \pm 0.042 χ^2 /NDF: 1550112.8/20

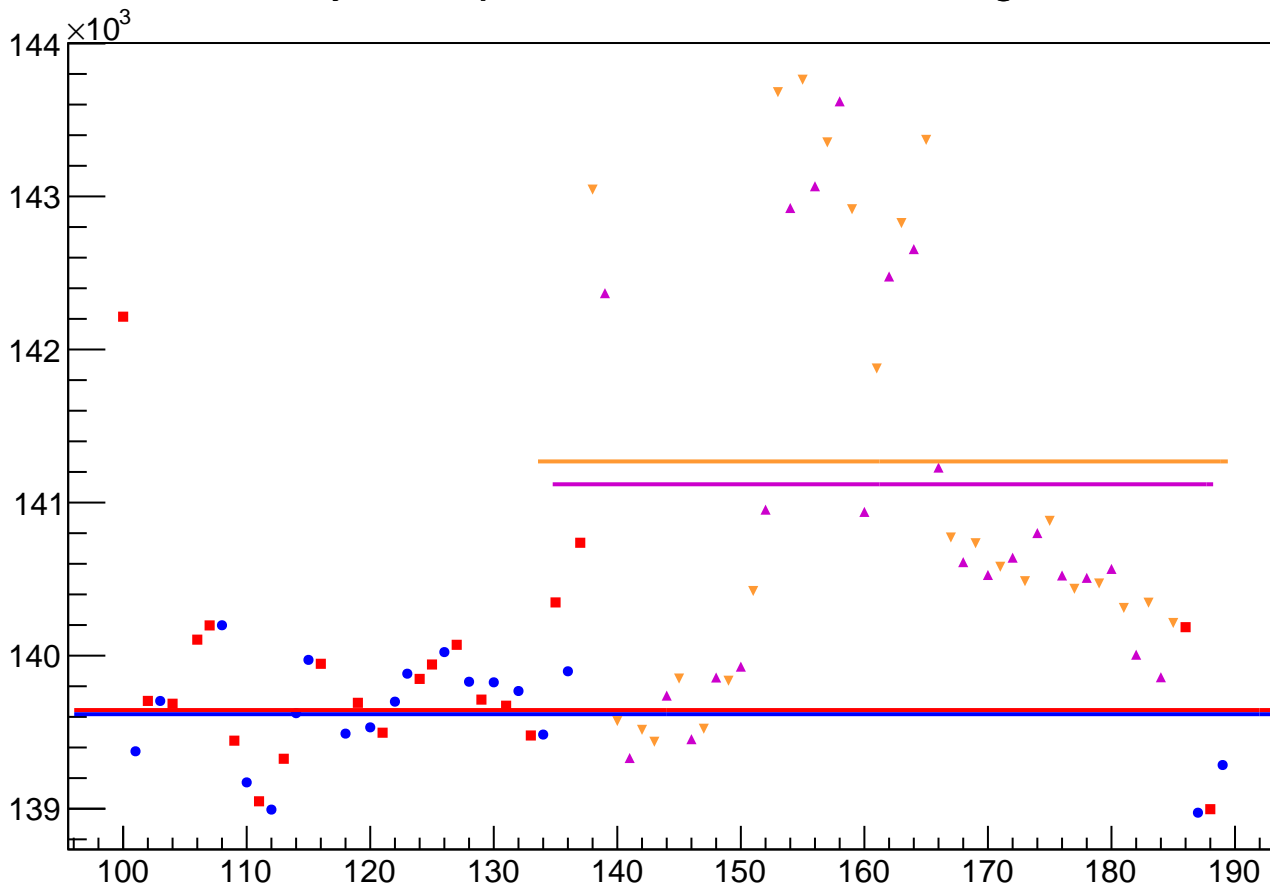
Left In: 219.426 \pm 0.038 χ^2 /NDF:850089.5/22

+ sign 198.430 \pm 0.029 χ^2 /NDF: 2927083.7/43

All: 195.737 \pm 0.020 χ^2 /NDF: 6404058.6/87

- sign 193.147 \pm 0.028 χ^2 /NDF: 3459819.9/43

yield_bpm0l09WS_mean vs Slug



Right In: 139617.598+/-0.067

χ^2/NDF : 26540095.4/18

Left Out: 141268.791+/-0.054

χ^2/NDF : 795989244.2/24

Right Out: 139644.572+/-0.061

χ^2/NDF : 44160971.1/20

Left In: 141119.484+/-0.055

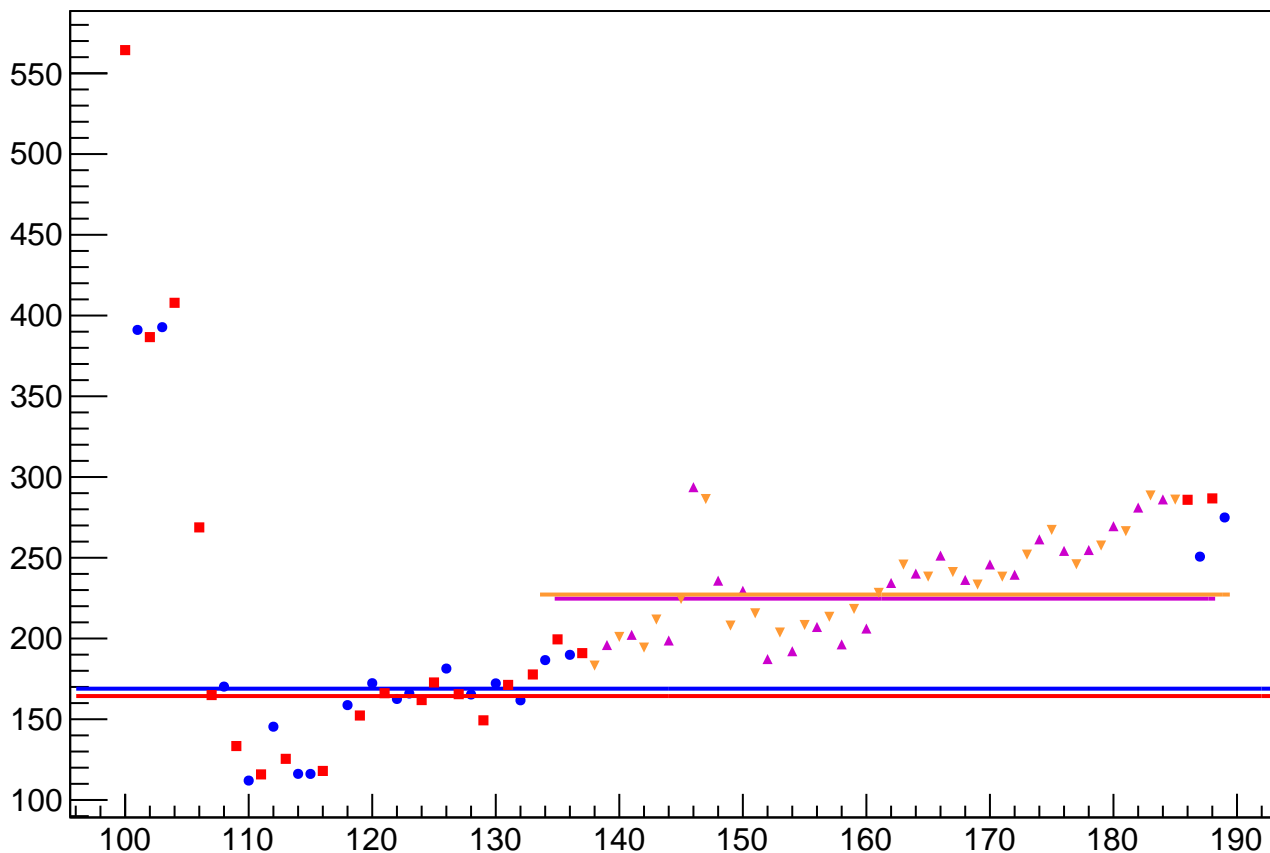
χ^2/NDF : 565312728.1/22

+ sign 140618.248+/-0.042 χ^2/NDF : 1195042331.3

All: 140538.624+/-0.029 χ^2/NDF : 213297180

- sign 140462.429+/-0.041 χ^2/NDF : 930829578.0/4

yield_bpm0l09WS_rms vs Slug



Right In: 168.929 \pm 0.047 χ^2 /NDF: 1245575.0/18

Left Out: 227.224 \pm 0.038 χ^2 /NDF:484955.3/24

Right Out: 164.359 \pm 0.043 χ^2 /NDF: 1718487.4/20

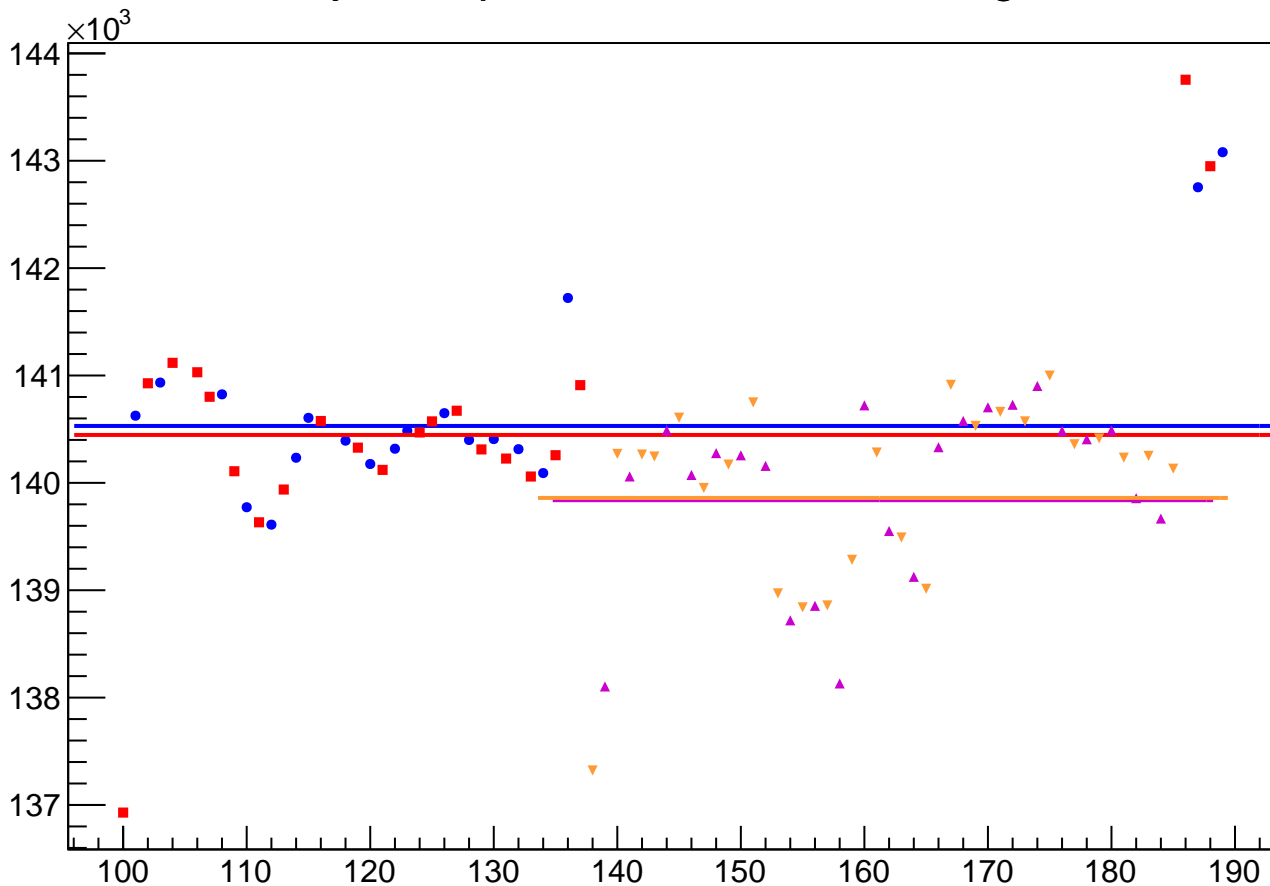
Left In: 224.686 \pm 0.039 χ^2 /NDF:578366.0/22

+ sign 204.257 \pm 0.030 χ^2 /NDF: 2659139.0/43

All: 200.963 \pm 0.021 χ^2 /NDF: 6055544.7/87

- sign 197.811 \pm 0.029 χ^2 /NDF: 3372107.9/43

yield_bpm0110WS_mean vs Slug



Right In: 140530.101+/-0.067 χ^2 /NDF: 133228811.9/18

Left Out: 139859.696+/-0.051 χ^2 /NDF:330118281.5/24

Right Out: 140446.317+/-0.061 χ^2 /NDF: 176783489.6/20

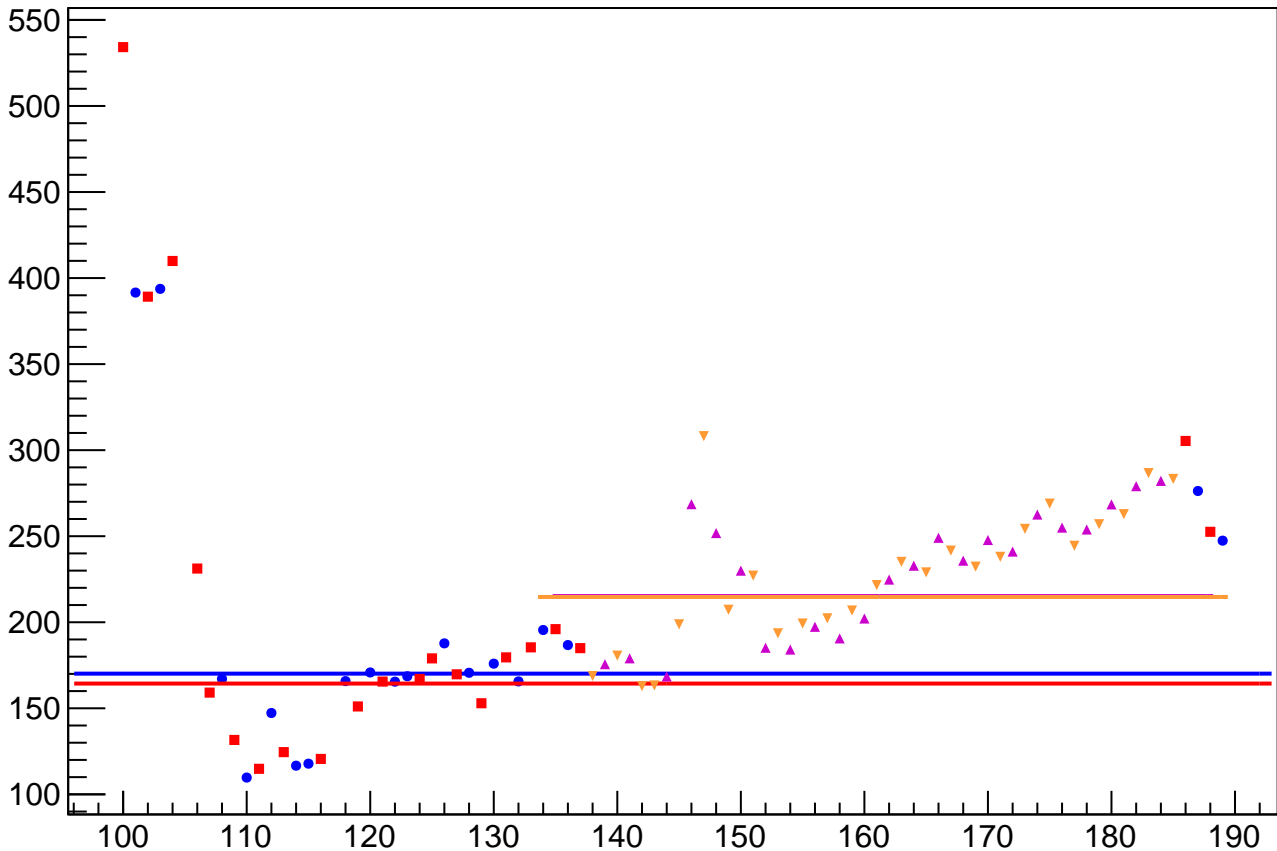
Left In: 139838.724+/-0.053 χ^2 /NDF:279573689.3/22

+ sign 140106.293+/-0.041 χ^2 /NDF: 526666113.7/4

All: 140102.427+/-0.028 χ^2 /NDF: 103970230

- sign 140098.691+/-0.040 χ^2 /NDF: 513018388.4/4

yield_bpm0l10WS_rms vs Slug



Right In: 170.138 \pm 0.047 χ^2 /NDF: 1224038.6/18

Left Out: 214.693 \pm 0.036 χ^2 /NDF:981105.5/24

Right Out: 164.379 \pm 0.043 χ^2 /NDF: 1624089.7/20

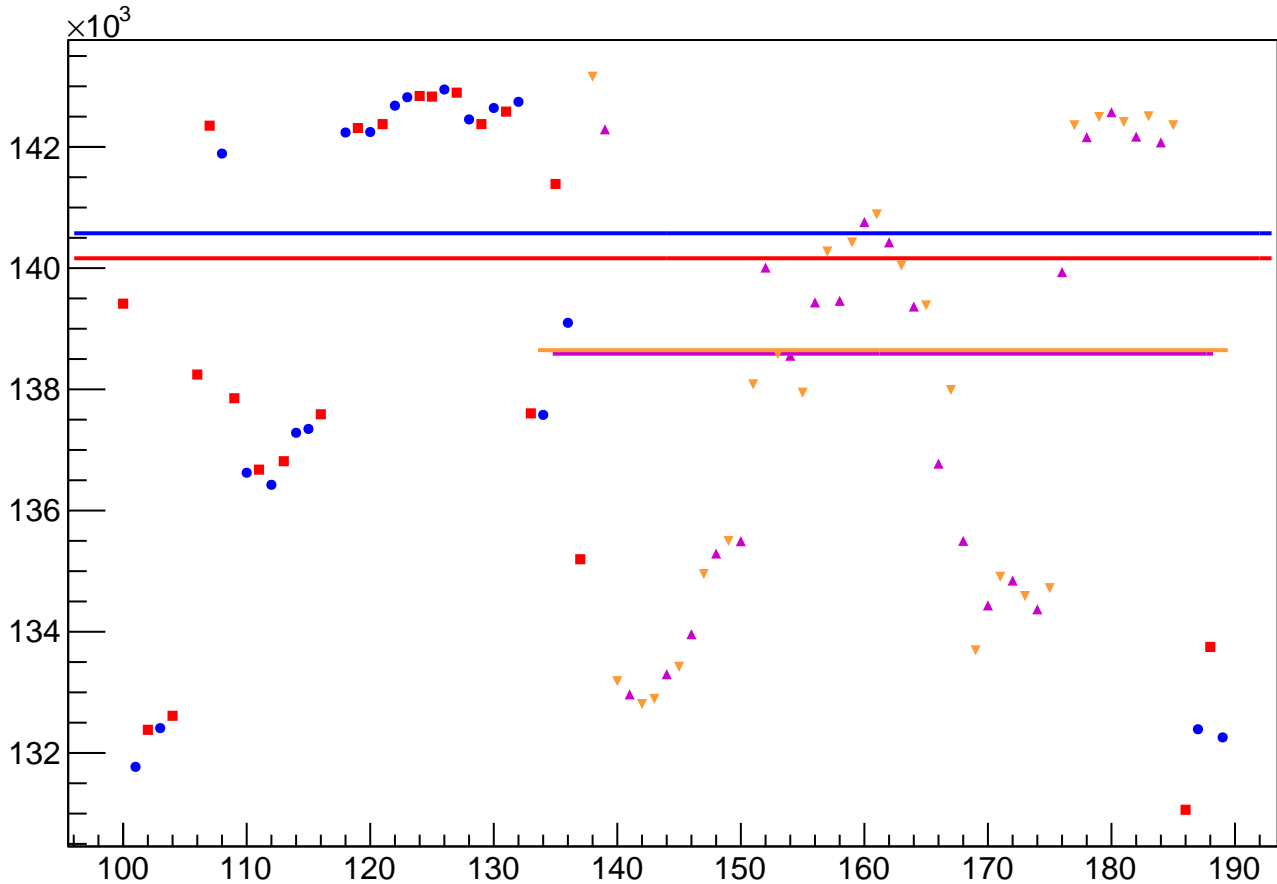
Left In: 215.222 \pm 0.037 χ^2 /NDF:881945.0/22

+ sign 198.304 \pm 0.029 χ^2 /NDF: 2764484.2/43

All: 195.844 \pm 0.020 χ^2 /NDF: 6078444.4/87

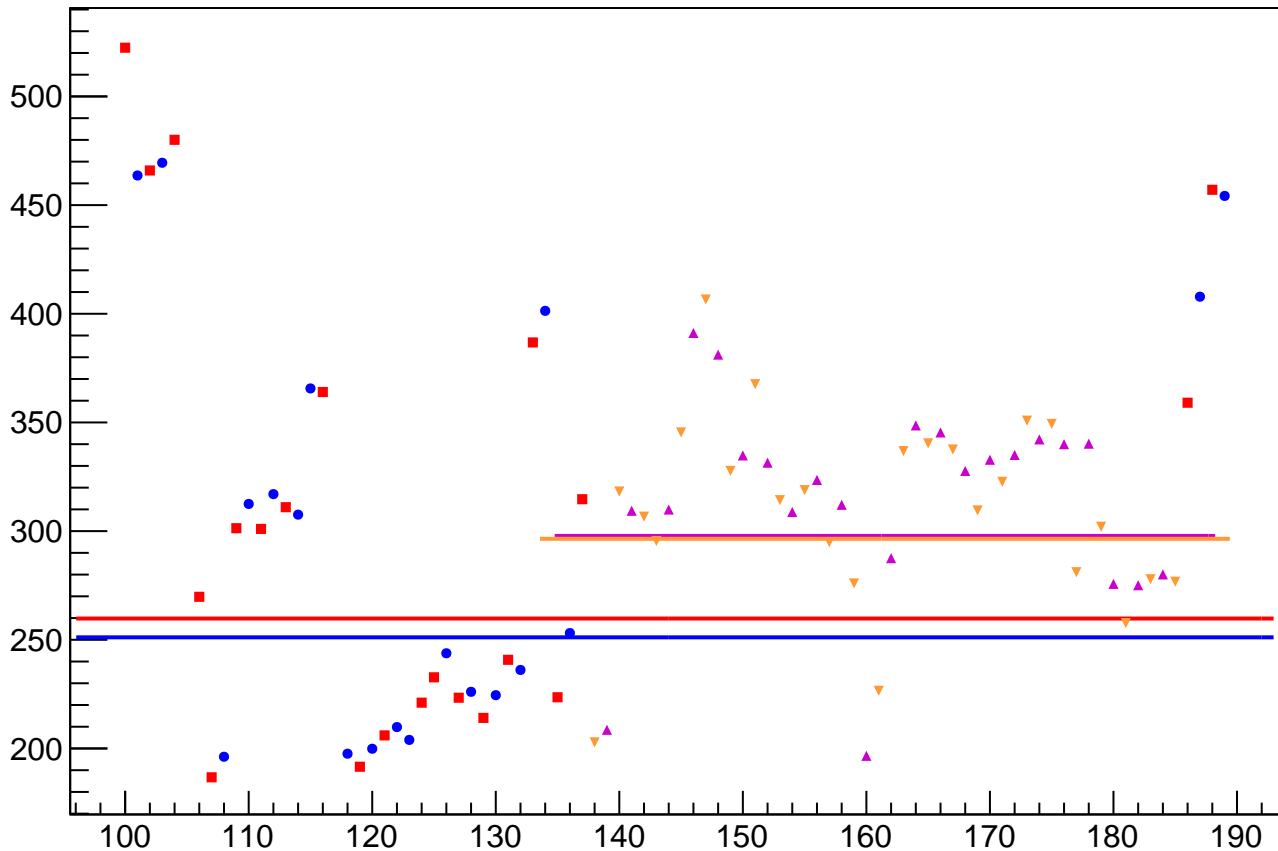
- sign 193.468 \pm 0.028 χ^2 /NDF: 3299546.8/43

yield_bpm0r03WS_mean vs Slug



Right In: 140575.203+/-0.099	χ^2/NDF : 1043822297.8/18	+ sign 139302.904+/-0.058	χ^2/NDF : 3844733863.6
Left Out: 138646.366+/-0.071	χ^2/NDF : 2548637600.4/24	All: 139238.944+/-0.041	χ^2/NDF : 723937294
Right Out: 140162.937+/-0.096	χ^2/NDF : 1274542803.6/20	- sign 139173.033+/-0.058	χ^2/NDF : 3392130369.0
Left In: 138588.711+/-0.074	χ^2/NDF : 1948065195.1/22		

yield_bpm0r03WS_rms vs Slug



Right In: 251.130 \pm 0.070 χ^2 /NDF: 1106196.2/18

Left Out: 296.464 \pm 0.050 χ^2 /NDF:893579.7/24

Right Out: 259.775 \pm 0.068 χ^2 /NDF: 1412821.8/20

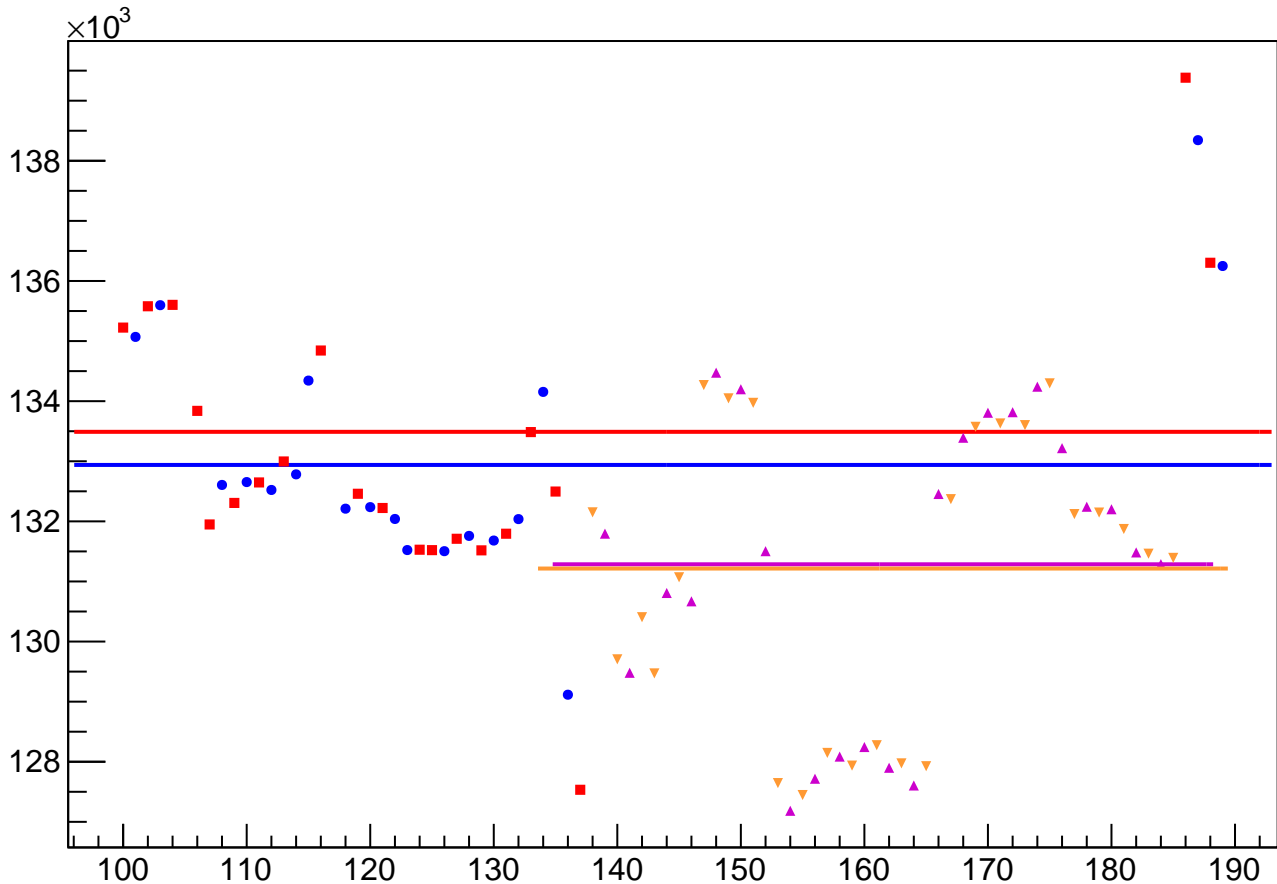
Left In: 297.774 \pm 0.052 χ^2 /NDF:1061489.5/22

+ sign 281.033 \pm 0.041 χ^2 /NDF: 2278500.6/43

All: 282.332 \pm 0.029 χ^2 /NDF: 4952428.9/87

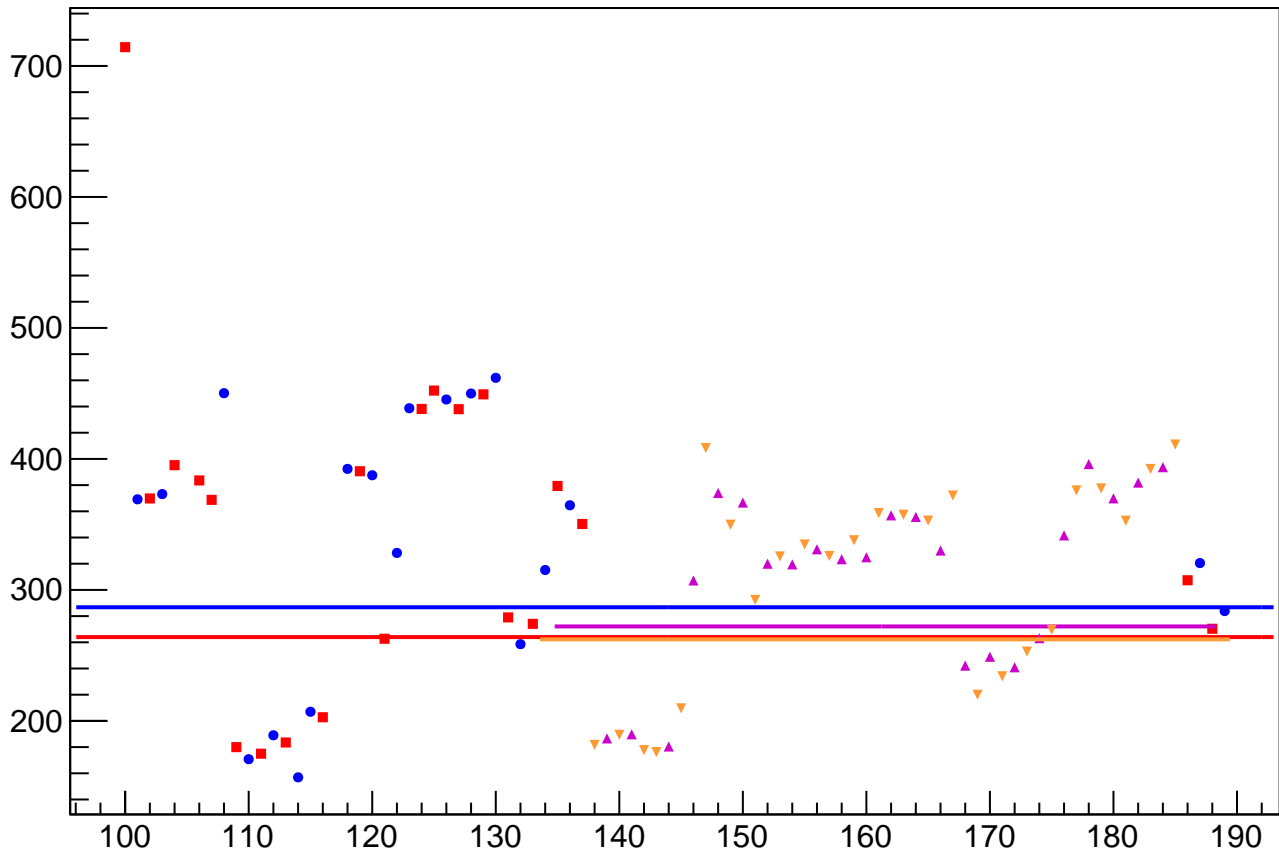
- sign 283.670 \pm 0.041 χ^2 /NDF: 2671860.8/43

yield_bpm0r05WS_mean vs Slug



Right In: 132938.952 \pm 0.114	χ^2 /NDF: 277550322.0/18	+ sign 131632.255 \pm 0.056	χ^2 /NDF: 1624878806.4
Left Out: 131214.985 \pm 0.064	χ^2 /NDF: 1173424494.6/24	All: 131816.577 \pm 0.040	χ^2 /NDF: 345993548
Right Out: 133489.947 \pm 0.098	χ^2 /NDF: 418976936.0/20	- sign 132001.899 \pm 0.056	χ^2 /NDF: 1813325780.6
Left In: 131285.623 \pm 0.068	χ^2 /NDF: 1056232192.1/22		

yield_bpm0r05WS_rms vs Slug



Right In: 286.764 \pm 0.080 χ^2 /NDF: 1517354.4/18

Left Out: 262.260 \pm 0.045 χ^2 /NDF:2818169.1/24

Right Out: 263.991 \pm 0.070 χ^2 /NDF: 1631723.8/20

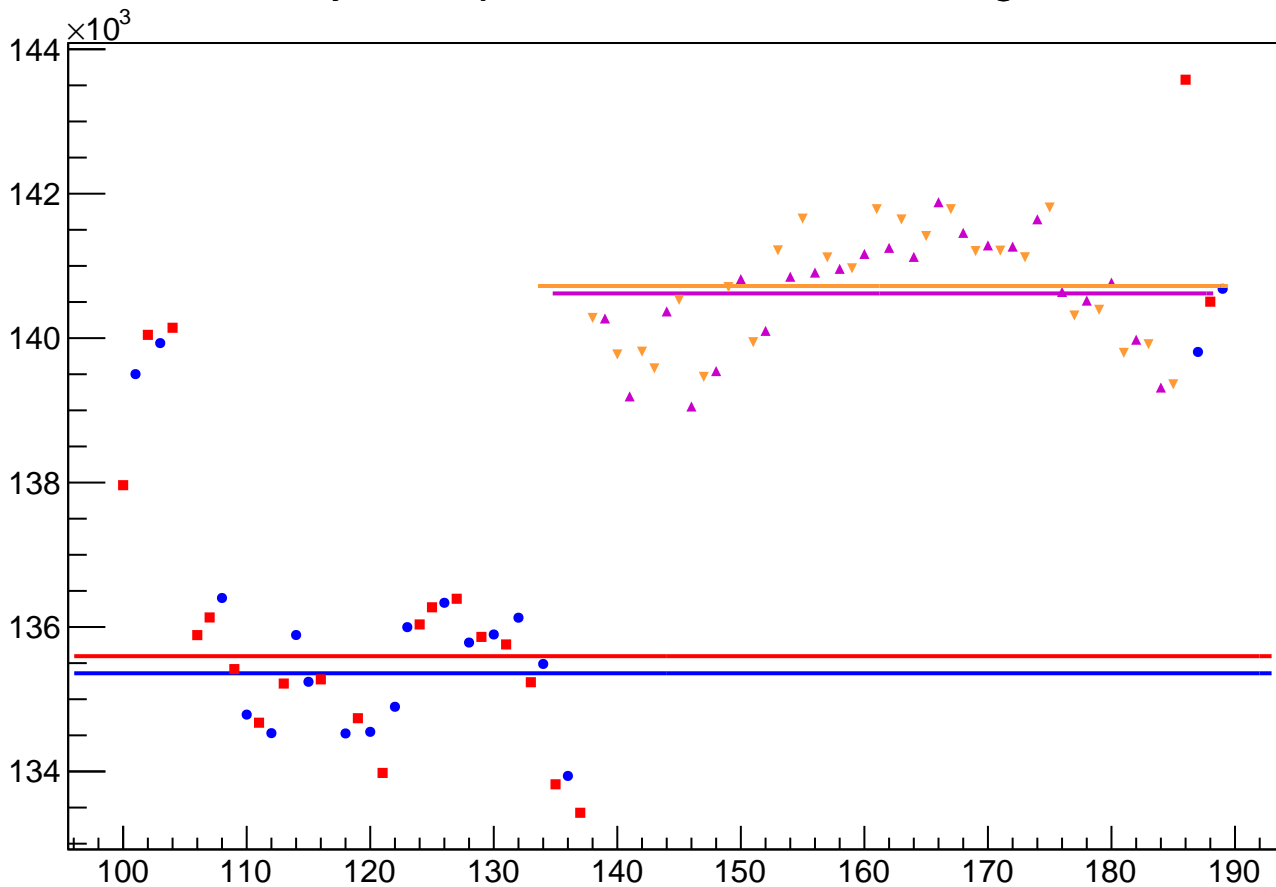
Left In: 272.115 \pm 0.048 χ^2 /NDF:2221925.0/22

+ sign 268.191 \pm 0.040 χ^2 /NDF: 4405794.3/43

All: 268.831 \pm 0.028 χ^2 /NDF: 8269153.2/87

- sign 269.475 \pm 0.040 χ^2 /NDF: 3862834.4/43

yield_bpm0i02WS_mean vs Slug



Right In: 135359.430 \pm 0.054 χ^2 /NDF: 626983342.4/18

Left Out: 140721.823 \pm 0.048 χ^2 /NDF: 247257762.8/24

Right Out: 135596.215 \pm 0.050 χ^2 /NDF: 1074871244.8/20

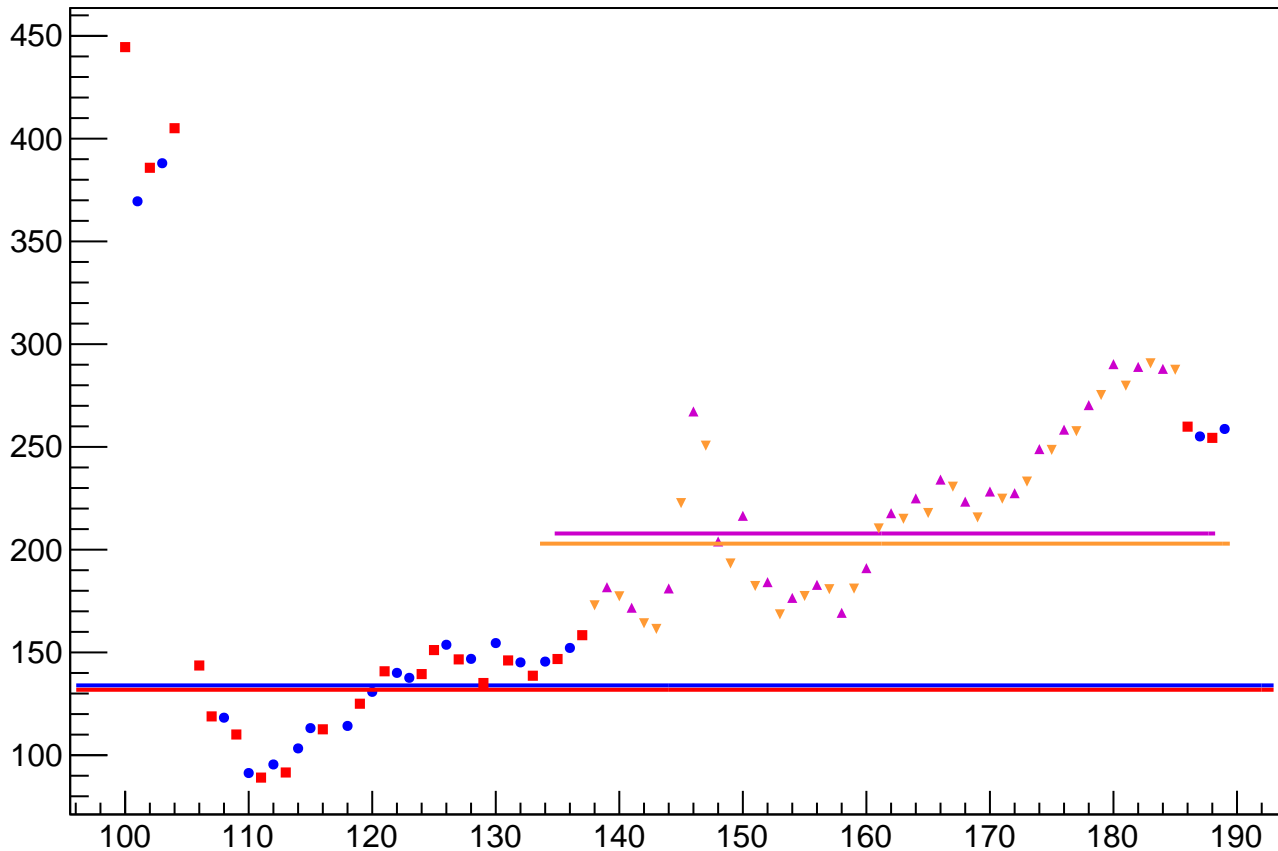
Left In: 140619.038 \pm 0.051 χ^2 /NDF: 200370178.0/22

+ sign 138317.079 \pm 0.036 χ^2 /NDF: 6377489878.1

All: 138182.424 \pm 0.025 χ^2 /NDF: 126258636

- sign 138049.611 \pm 0.036 χ^2 /NDF: 6220506131.2

yield_bpm0i02WS_rms vs Slug



Right In: 133.954 \pm 0.038 χ^2 /NDF: 1671891.5/18

Left Out: 202.934 \pm 0.034 χ^2 /NDF: 1052283.6/24

Right Out: 131.827 \pm 0.035 χ^2 /NDF: 2056298.6/20

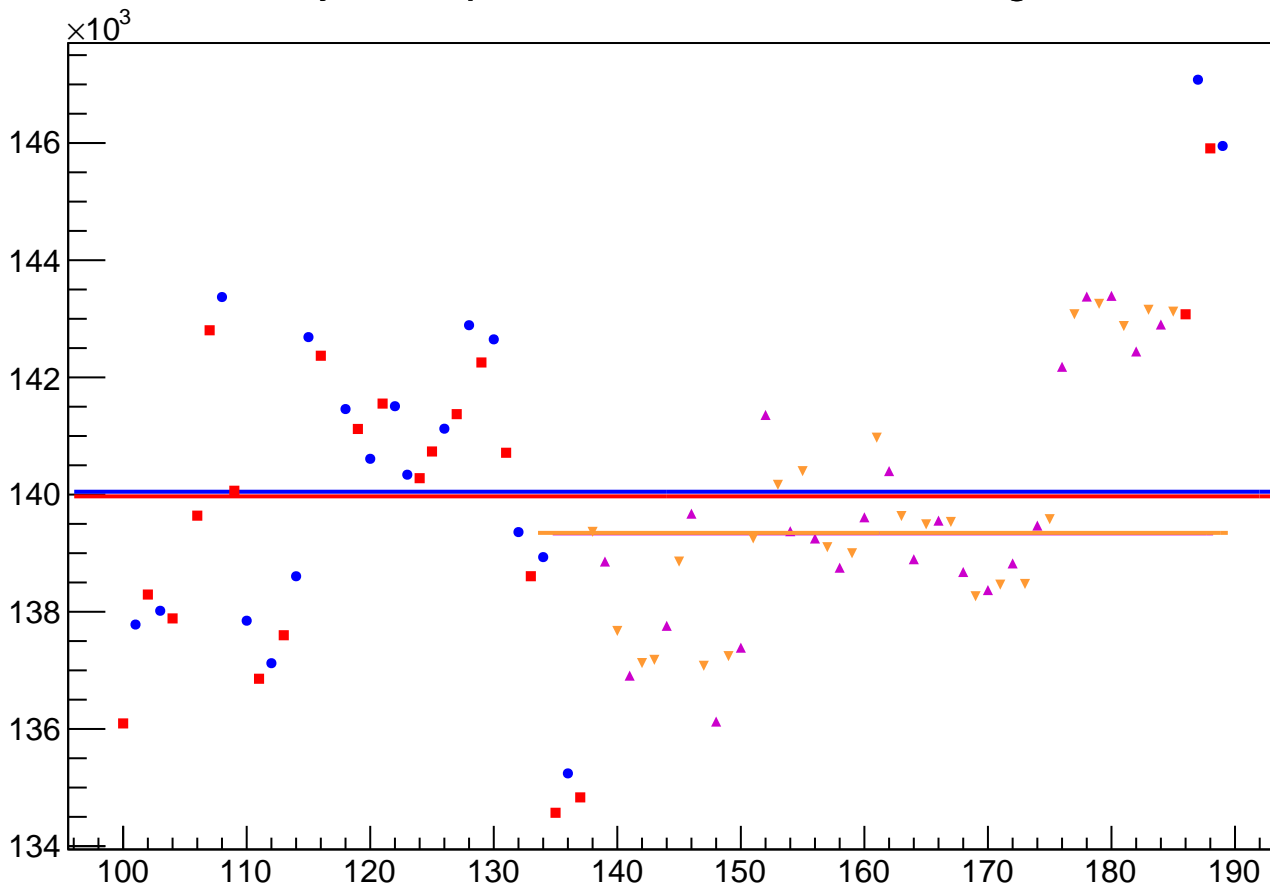
Left In: 207.872 \pm 0.036 χ^2 /NDF: 949200.3/22

+ sign 172.000 \pm 0.025 χ^2 /NDF: 4545477.6/43

All: 170.475 \pm 0.018 χ^2 /NDF: 9825172.8/87

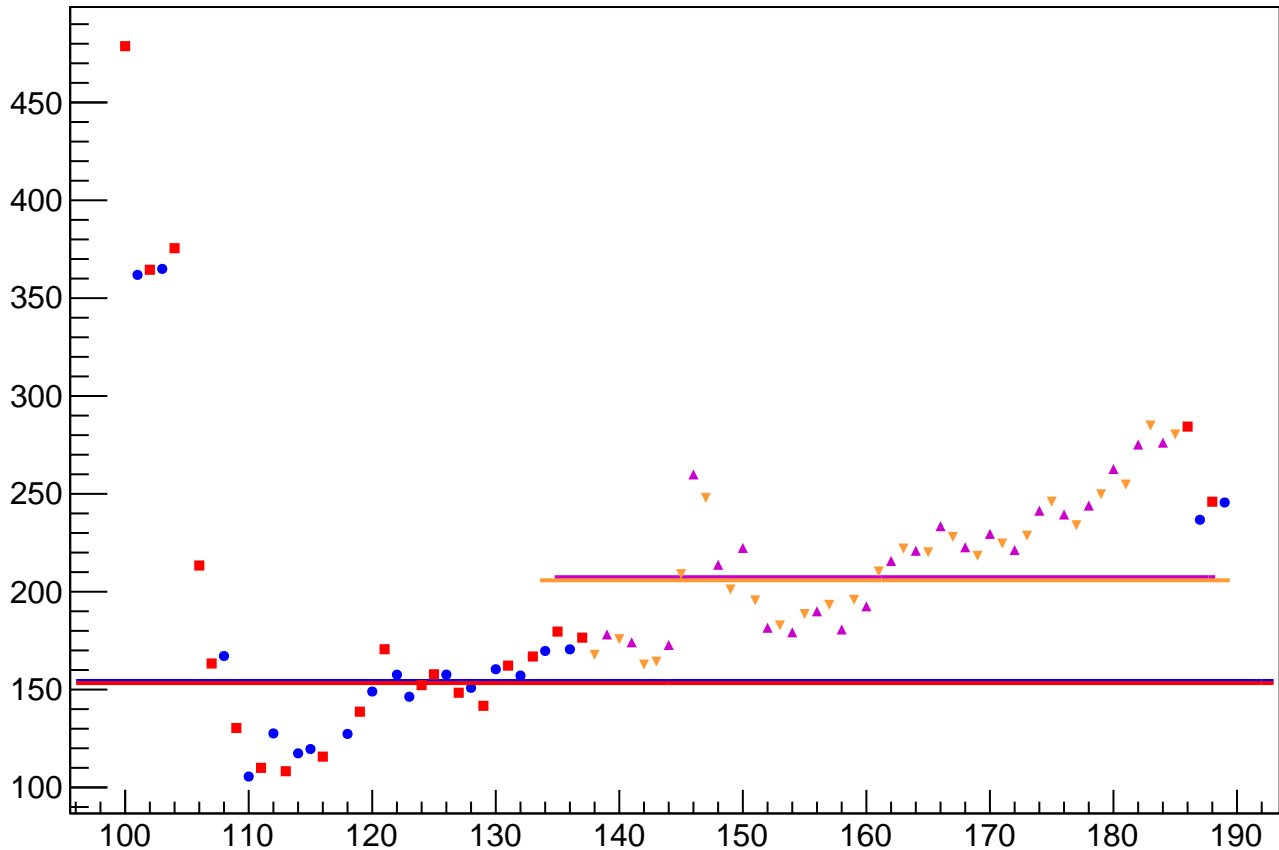
- sign 168.971 \pm 0.025 χ^2 /NDF: 5272547.7/43

yield_bpm0i02aWS_mean vs Slug



Right In: 140048.882 \pm 0.061 χ^2 /NDF: 2091809414.0/18
 Left Out: 139346.604 \pm 0.049 χ^2 /NDF:1271172976.7/24
 Right Out: 139969.700 \pm 0.057 χ^2 /NDF: 2091523328.5/20
 Left In: 139337.874 \pm 0.051 χ^2 /NDF:1293003954.9/22
 + sign 139622.724 \pm 0.038 χ^2 /NDF: 3443860902.4
 All: 139619.744 \pm 0.027 χ^2 /NDF: 689658320
 - sign 139616.786 \pm 0.038 χ^2 /NDF: 3452710135.0

yield_bpm0i02aWS_rms vs Slug



Right In: 154.389 \pm 0.043 χ^2 /NDF: 1224671.9/18

Left Out: 205.833 \pm 0.035 χ^2 /NDF: 738666.4/24

Right Out: 153.333 \pm 0.040 χ^2 /NDF: 1635030.8/20

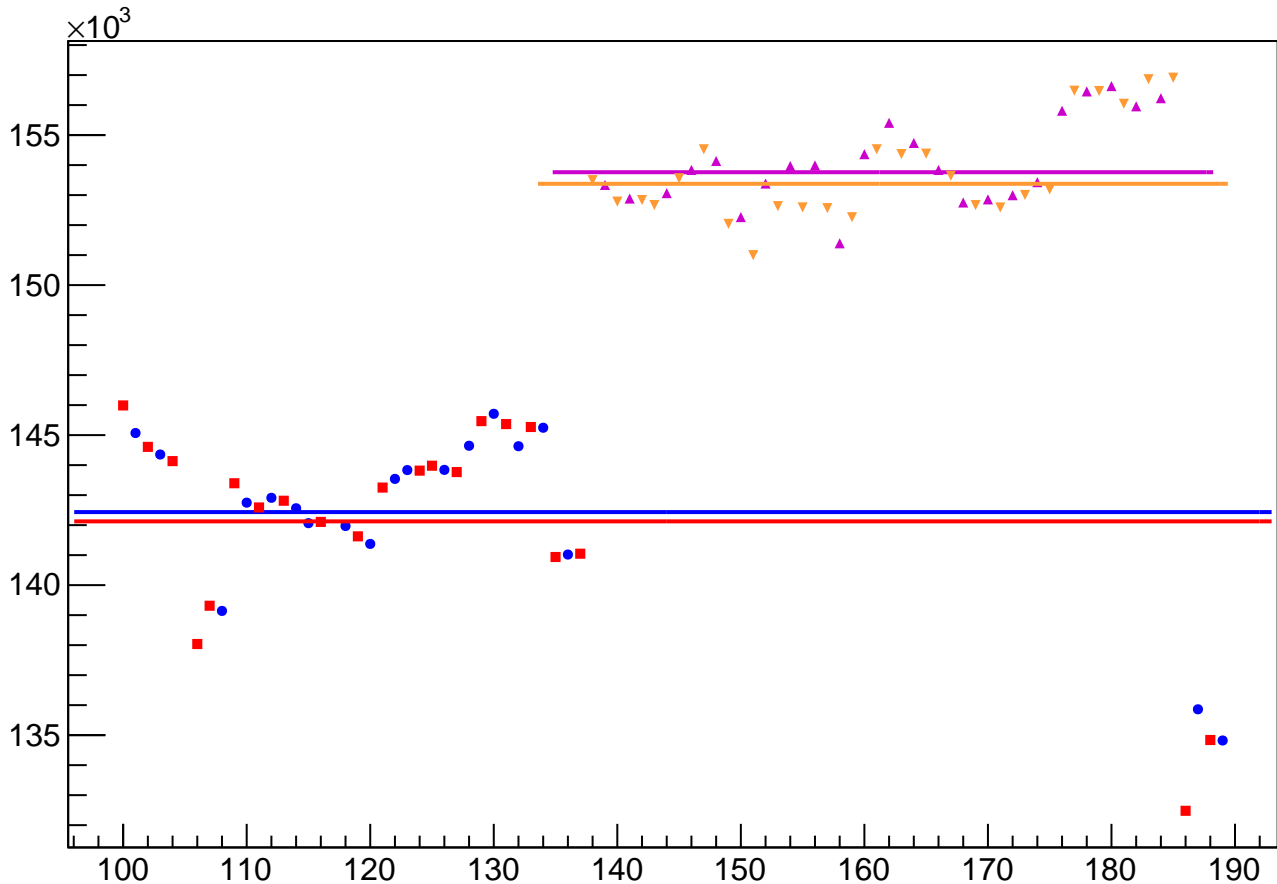
Left In: 207.416 \pm 0.036 χ^2 /NDF: 701955.3/22

+ sign 185.606 \pm 0.027 χ^2 /NDF: 2831305.5/43

All: 184.570 \pm 0.019 χ^2 /NDF: 6170374.4/87

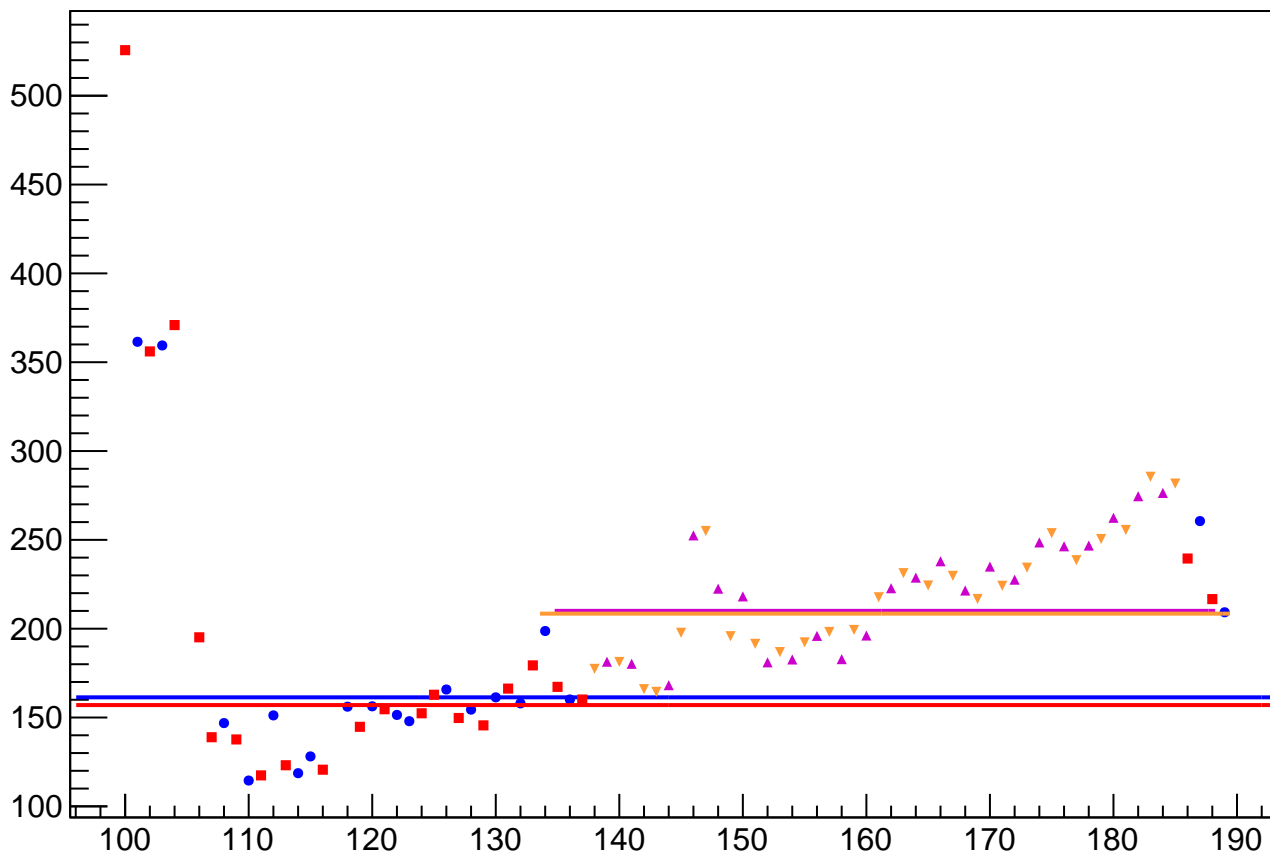
- sign 183.542 \pm 0.027 χ^2 /NDF: 3336128.4/43

yield_bpm0i05WS_mean vs Slug



Right In: 142434.784 \pm 0.063 χ^2 /NDF: 1508468300.3/18
 Left Out: 153376.698 \pm 0.050 χ^2 /NDF: 803848095.1/24
 Right Out: 142124.964 \pm 0.058 χ^2 /NDF: 2586779493.1/20
 Left In: 153762.419 \pm 0.051 χ^2 /NDF: 635075685.0/22
 + sign 149201.477 \pm 0.039 χ^2 /NDF: 20930384383.
 All: 148907.092 \pm 0.027 χ^2 /NDF: 46873443
 - sign 148620.500 \pm 0.038 χ^2 /NDF: 25830350877.3

yield_bpm0i05WS_rms vs Slug



Right In: 161.359 \pm 0.045 χ^2 /NDF: 981918.3/18

Left Out: 208.466 \pm 0.035 χ^2 /NDF: 720894.7/24

Right Out: 157.008 \pm 0.041 χ^2 /NDF: 1241368.0/20

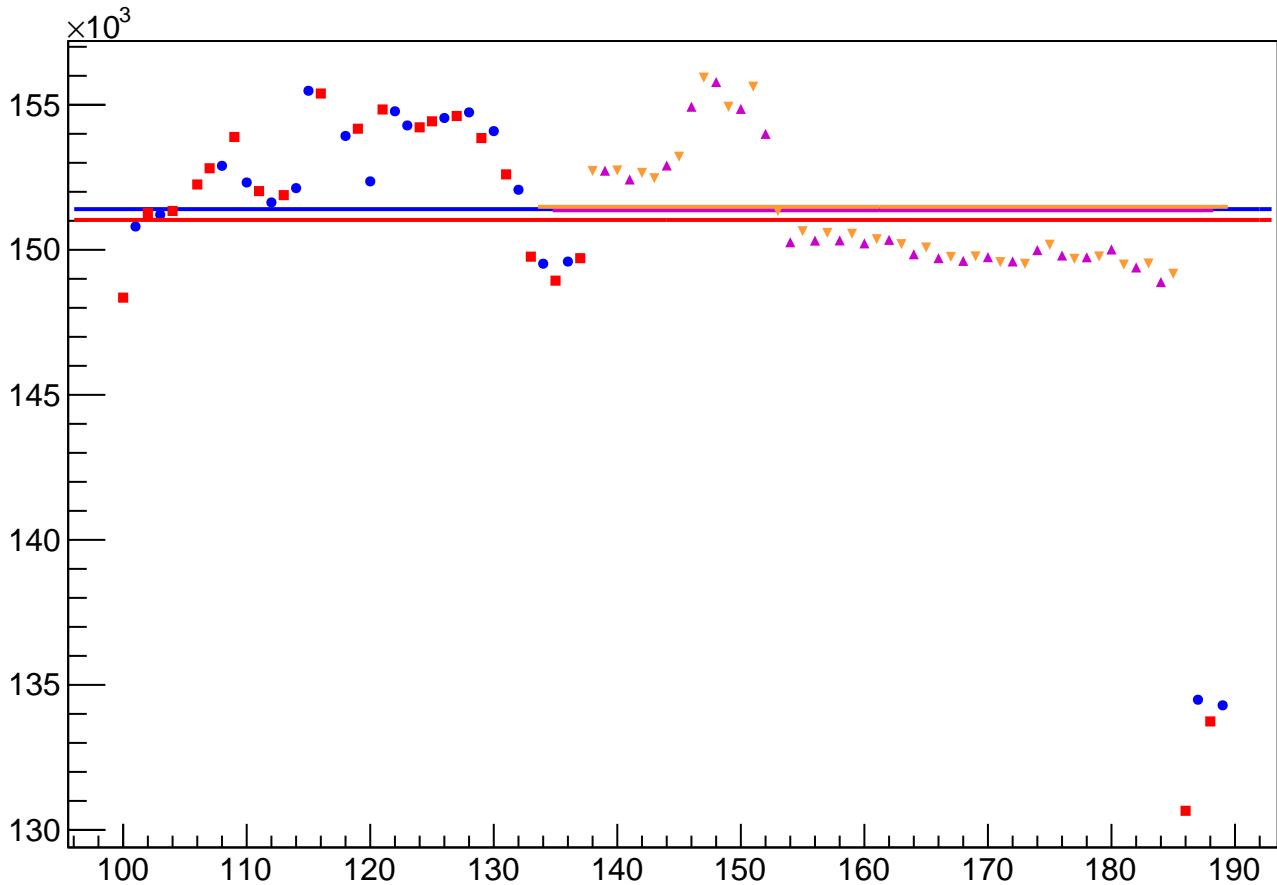
Left In: 210.038 \pm 0.036 χ^2 /NDF: 702369.5/22

+ sign 190.491 \pm 0.028 χ^2 /NDF: 2392969.0/43

All: 188.523 \pm 0.019 χ^2 /NDF: 5285711.9/87

- sign 186.607 \pm 0.027 χ^2 /NDF: 2882668.3/43

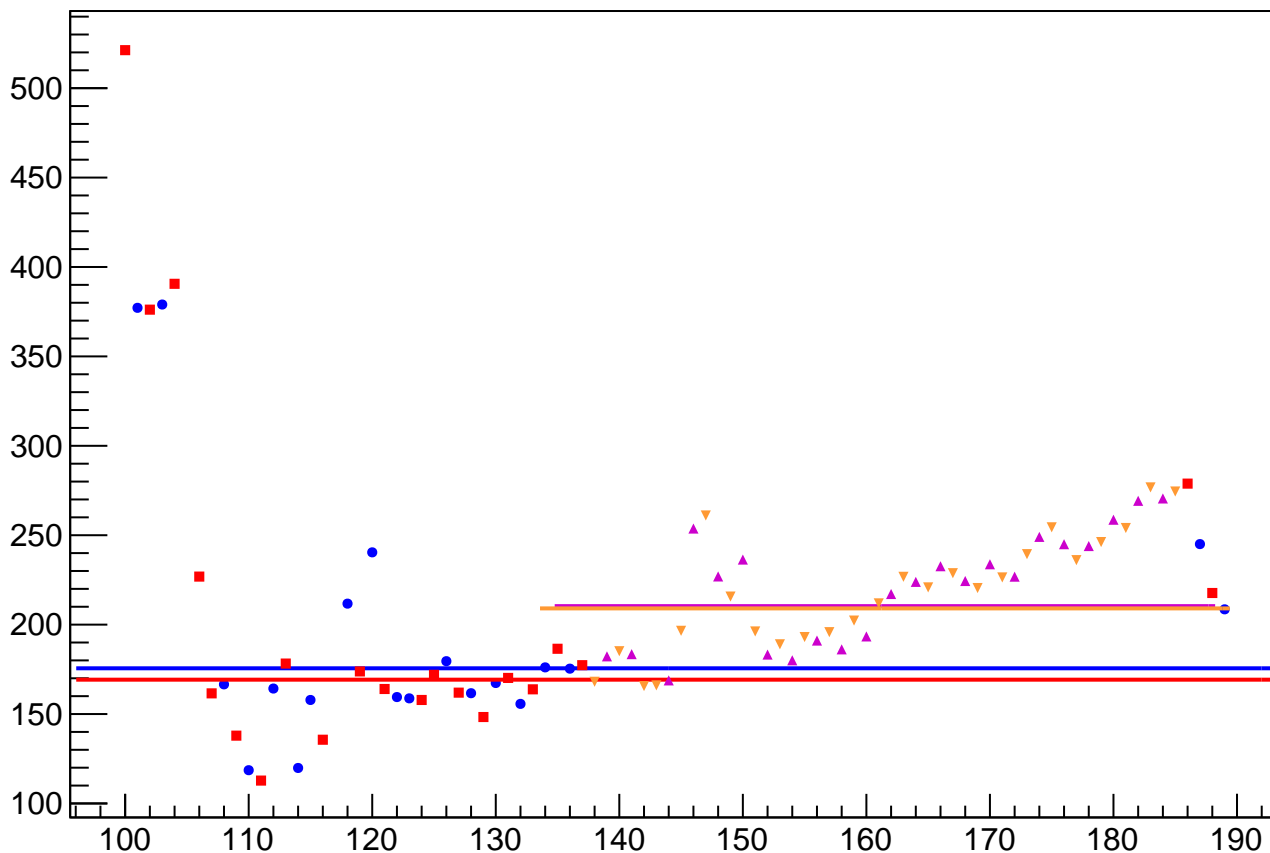
yield_bpm0i07WS_mean vs Slug



Right In: 151402.986 \pm 0.070 χ^2 /NDF: 4820368810.9/18
 Left Out: 151483.385 \pm 0.050 χ^2 /NDF:1481910066.9/24
 Right Out: 151030.453 \pm 0.063 χ^2 /NDF: 9020024519.4/20
 Left In: 151363.165 \pm 0.051 χ^2 /NDF:1421662089.0/22

+ sign 151456.493 \pm 0.040 χ^2 /NDF: 6303160456.9
 All: 151341.915 \pm 0.028 χ^2 /NDF: 167774309
 - sign 151230.434 \pm 0.040 χ^2 /NDF: 10458401175.0

yield_bpm0i07WS_rms vs Slug



Right In: 175.581 \pm 0.049 χ^2 /NDF: 995842.4/18

Left Out: 209.076 \pm 0.035 χ^2 /NDF: 708260.3/24

Right Out: 169.220 \pm 0.045 χ^2 /NDF: 1254076.0/20

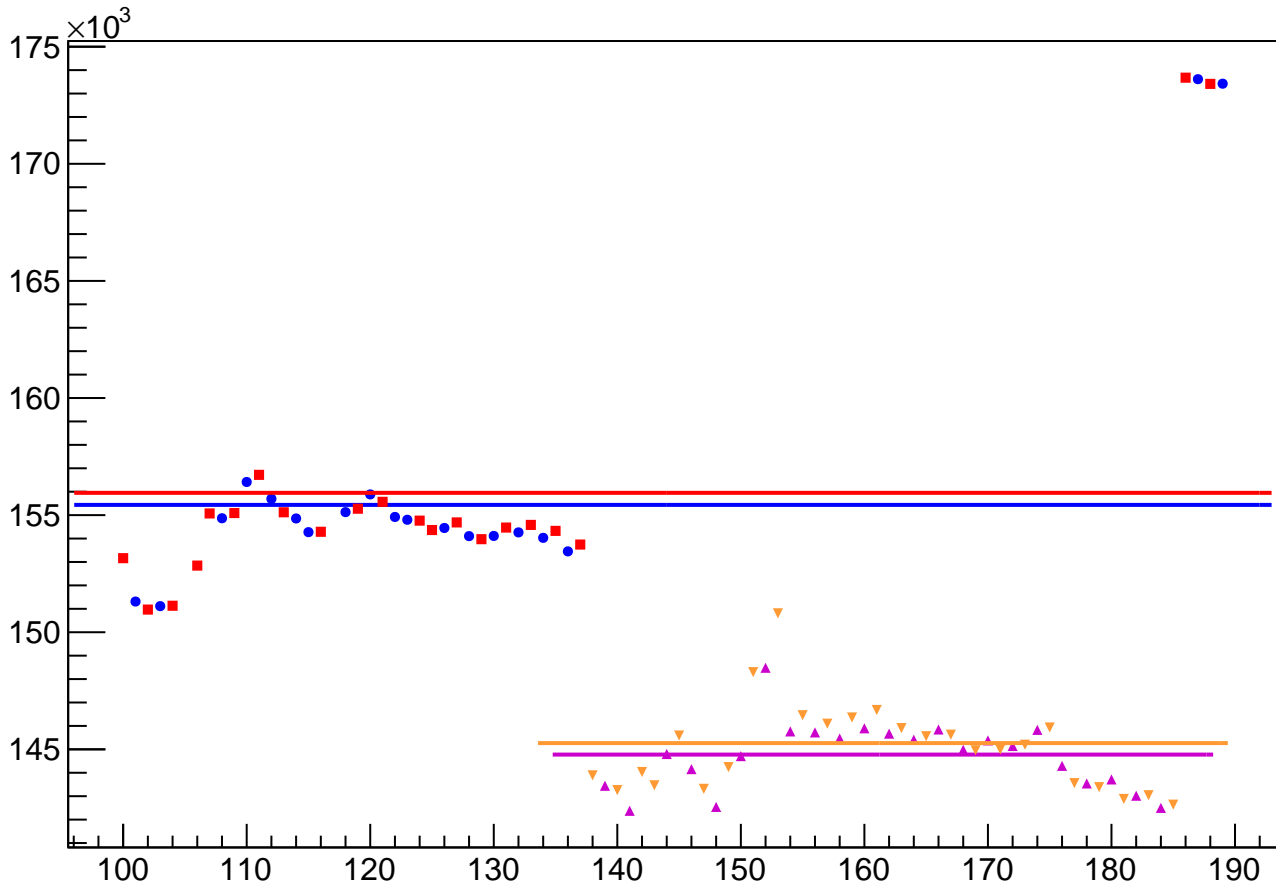
Left In: 210.345 \pm 0.036 χ^2 /NDF: 677747.7/22

+ sign 197.872 \pm 0.029 χ^2 /NDF: 2010133.1/43

All: 195.878 \pm 0.020 χ^2 /NDF: 4462316.8/87

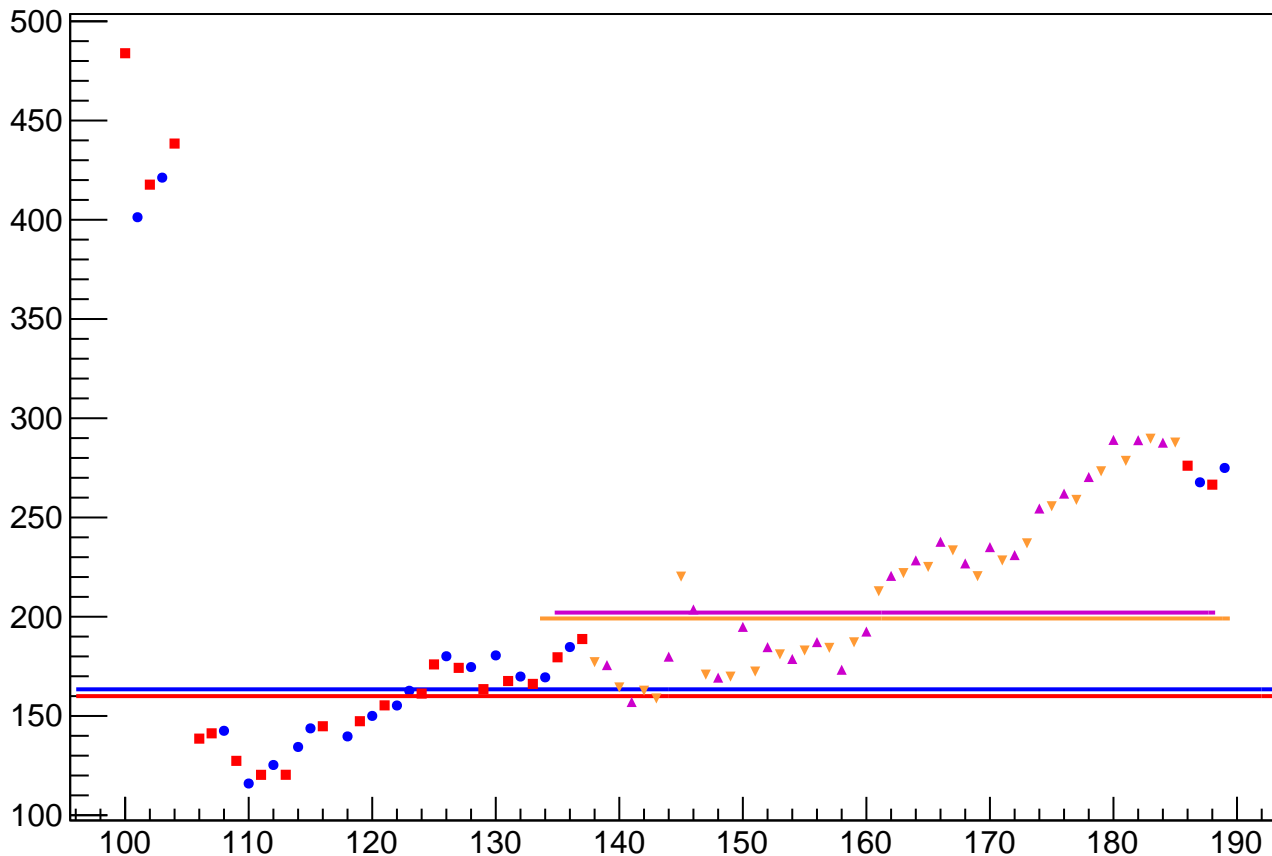
- sign 193.938 \pm 0.028 χ^2 /NDF: 2442571.9/43

yield_bpm1i02WS_mean vs Slug



Right In: 155437.237+/-0.064	$\chi^2/\text{NDF}: 3108414641.4/18$	+ sign 148845.546+/-0.038	$\chi^2/\text{NDF}: 21030896458.$
Left Out: 145266.717+/-0.047	$\chi^2/\text{NDF}: 1717707352.7/24$	All: 149122.530+/-0.027	$\chi^2/\text{NDF}: 490556212$
Right Out: 155951.730+/-0.059	$\chi^2/\text{NDF}: 5977664452.2/20$	- sign 149396.638+/-0.038	$\chi^2/\text{NDF}: 27919871011.3$
Left In: 144776.016+/-0.050	$\chi^2/\text{NDF}: 918120275.4/22$		

yield_bpm1i02WS_rms vs Slug



Right In: 163.429+/-0.045 χ^2/NDF : 1342379.5/18

Left Out: 199.118+/-0.034 χ^2/NDF : 1152231.0/24

Right Out: 159.999+/-0.042 χ^2/NDF : 1611870.8/20

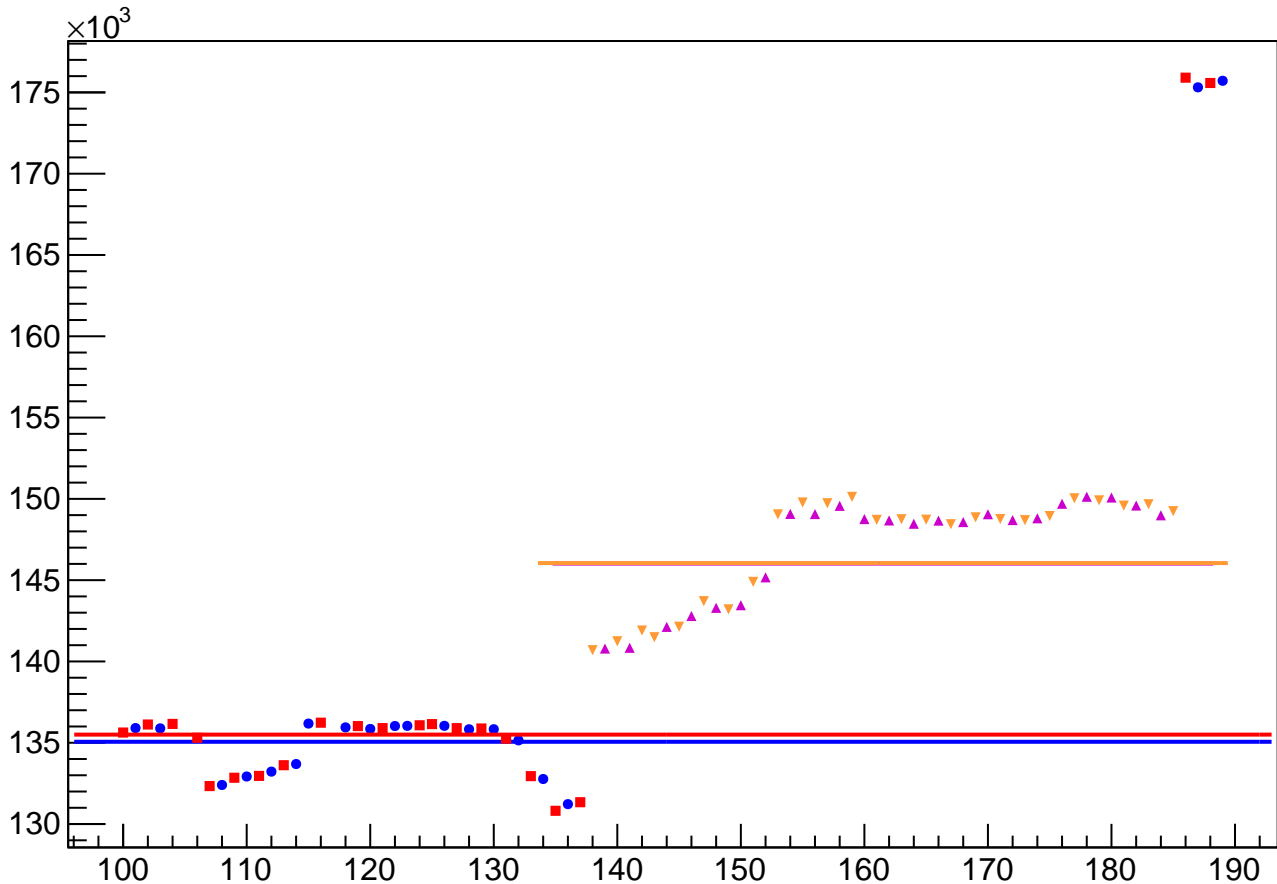
Left In: 202.090+/-0.035 χ^2/NDF : 1057833.2/22

+ sign 186.560+/-0.027 χ^2/NDF : 2893686.5/43

All: 185.619+/-0.019 χ^2/NDF : 6162277.7/87

- sign 184.687+/-0.027 χ^2/NDF : 3266170.6/43

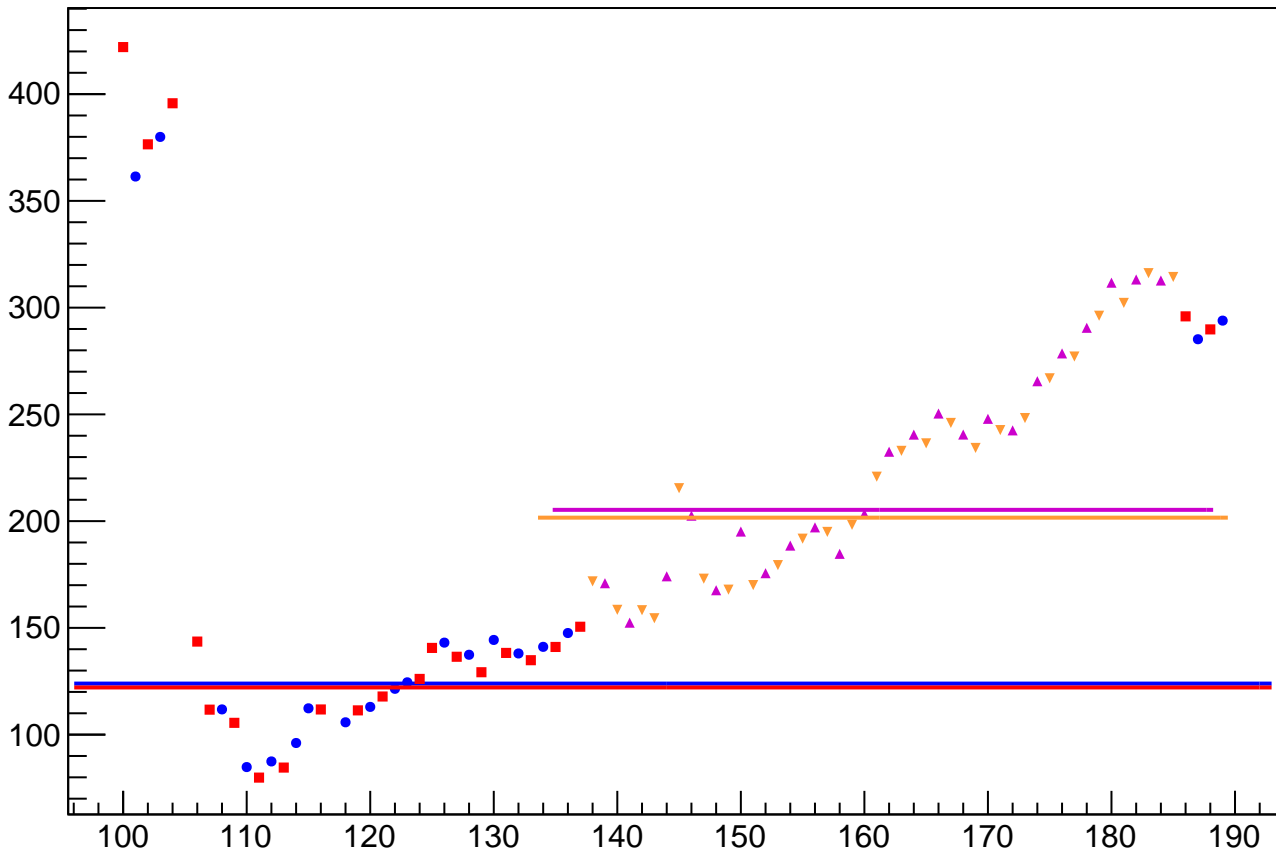
yield_bpm1i04WS_mean vs Slug



Right In: 135059.461 \pm 0.050 χ^2 /NDF: 13550395240.3/18
 Left Out: 146051.733 \pm 0.048 χ^2 /NDF: 5403300123.1/24
 Right Out: 135500.950 \pm 0.047 χ^2 /NDF: 25897801822.1/20
 Left In: 146020.015 \pm 0.051 χ^2 /NDF: 4591425371.4/22

+ sign 140737.510 \pm 0.035 χ^2 /NDF: 43989253549.
 All: 140529.655 \pm 0.024 χ^2 /NDF: 97891446
 - sign 140326.668 \pm 0.034 χ^2 /NDF: 53831340903.4

yield_bpm1i04WS_rms vs Slug



Right In: 123.907 \pm 0.035 χ^2 /NDF: 1890272.8/18

Left Out: 201.632 \pm 0.034 χ^2 /NDF: 1589564.0/24

Right Out: 122.091 \pm 0.033 χ^2 /NDF: 2414816.8/20

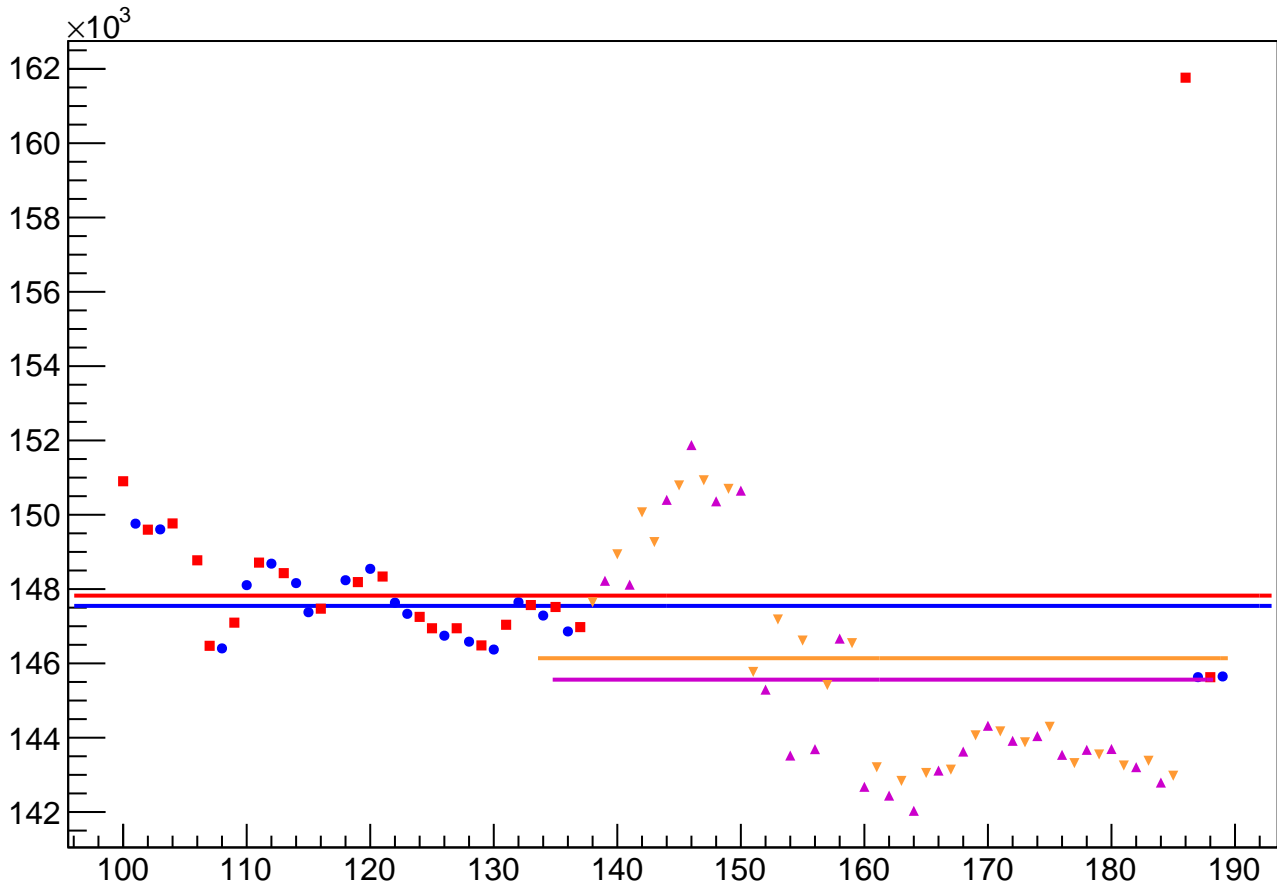
Left In: 205.286 \pm 0.036 χ^2 /NDF: 1425292.7/22

+ sign 164.056 \pm 0.025 χ^2 /NDF: 5983203.3/43

All: 162.134 \pm 0.017 χ^2 /NDF: 12755620.8/87

- sign 160.258 \pm 0.024 χ^2 /NDF: 6760306.7/43

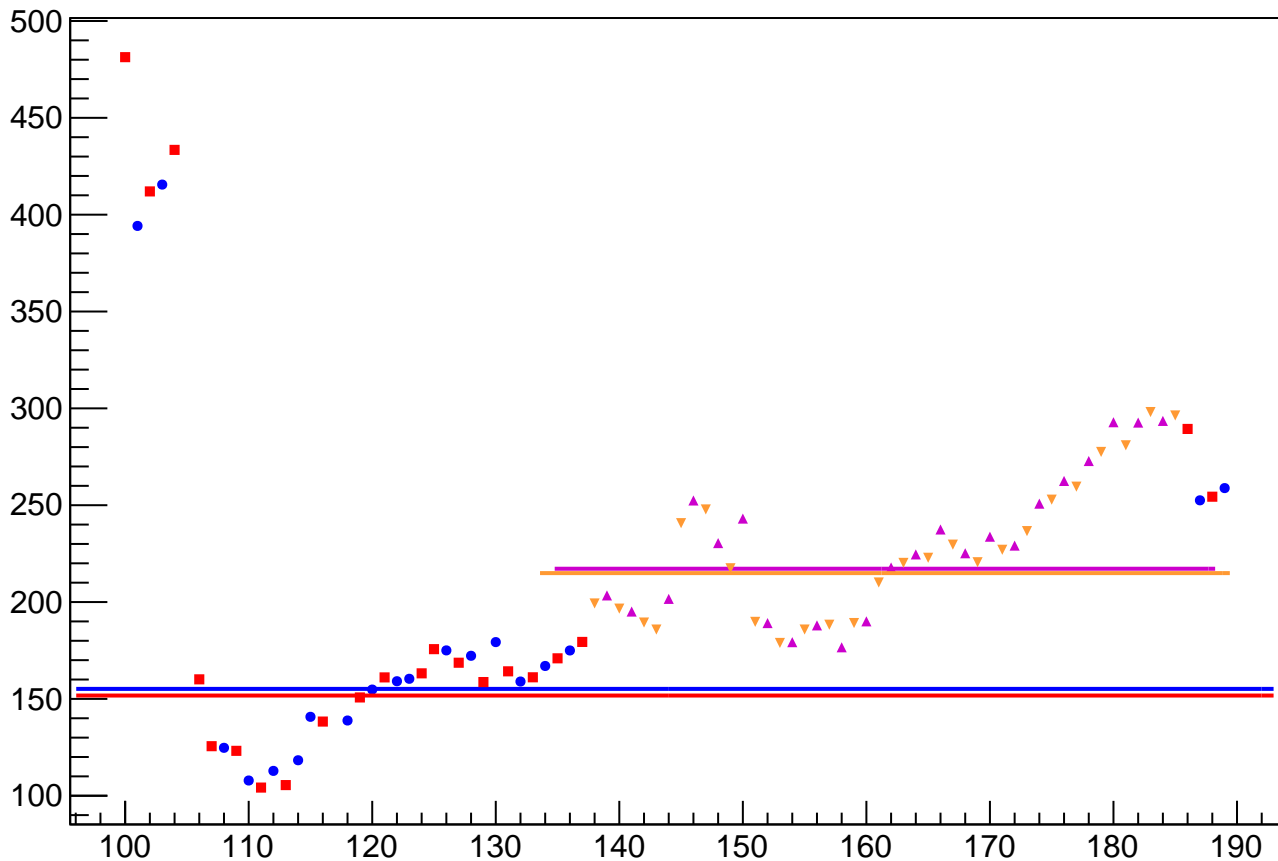
yield_bpm1i06WS_mean vs Slug



Right In: 147547.271 ± 0.061 $\chi^2/\text{NDF}: 234359574.5/18$
 Left Out: 146139.326 ± 0.051 $\chi^2/\text{NDF}: 2699546907.6/24$
 Right Out: 147823.735 ± 0.057 $\chi^2/\text{NDF}: 1152602742.6/20$
 Left In: 145562.386 ± 0.053 $\chi^2/\text{NDF}: 3054641996.0/22$

+ sign 146712.317 ± 0.039 $\chi^2/\text{NDF}: 3245224653.2$
 All: 146665.498 ± 0.028 $\chi^2/\text{NDF}: 830438480$
 - sign 146619.819 ± 0.039 $\chi^2/\text{NDF}: 5056342045.7$

yield_bpm1i06WS_rms vs Slug



Right In: 155.169 \pm 0.043 χ^2 /NDF: 1465798.1/18

Left Out: 214.945 \pm 0.036 χ^2 /NDF: 728515.5/24

Right Out: 151.733 \pm 0.040 χ^2 /NDF: 1856575.7/20

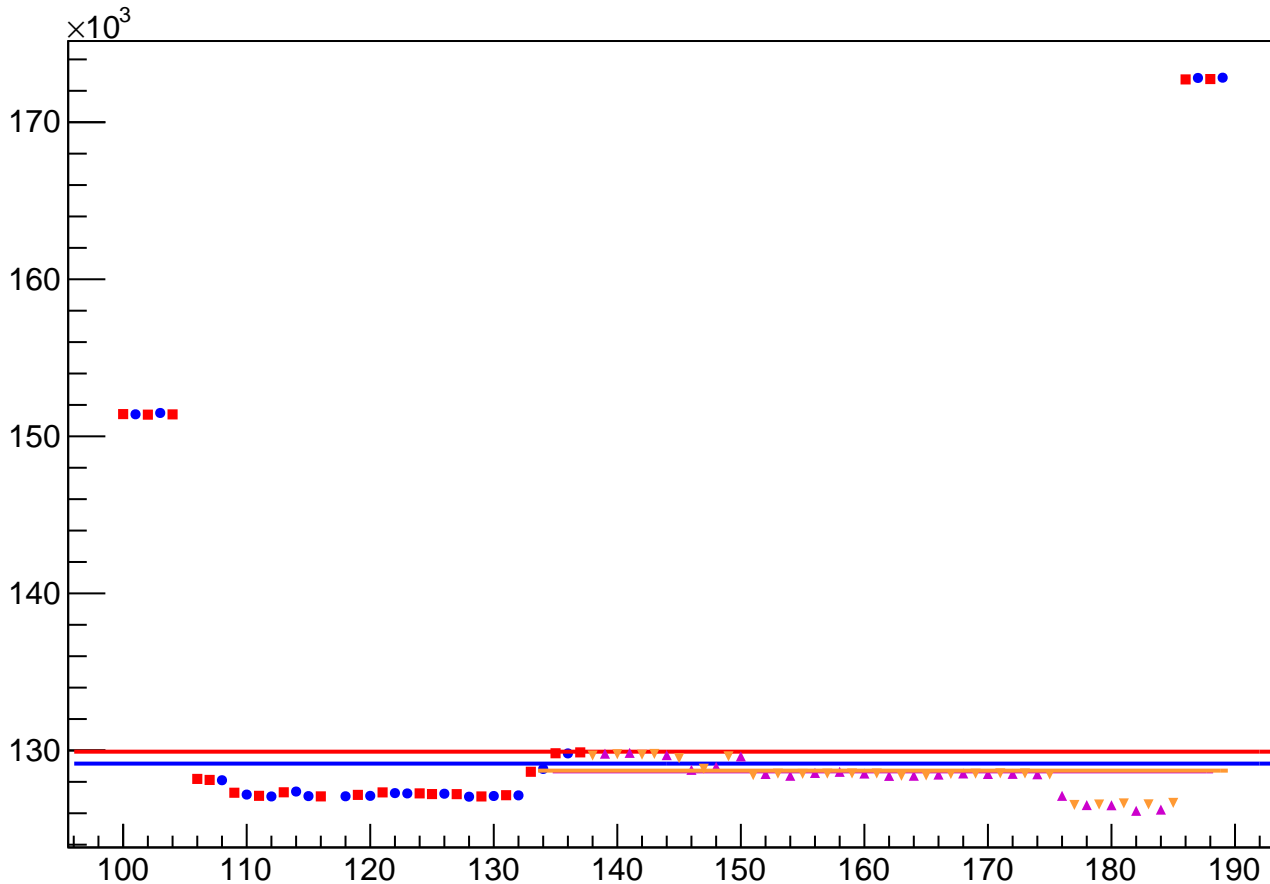
Left In: 217.203 \pm 0.038 χ^2 /NDF: 764798.3/22

+ sign 190.618 \pm 0.028 χ^2 /NDF: 3316619.4/43

All: 188.579 \pm 0.019 χ^2 /NDF: 7372127.8/87

- sign 186.589 \pm 0.027 χ^2 /NDF: 4044813.2/43

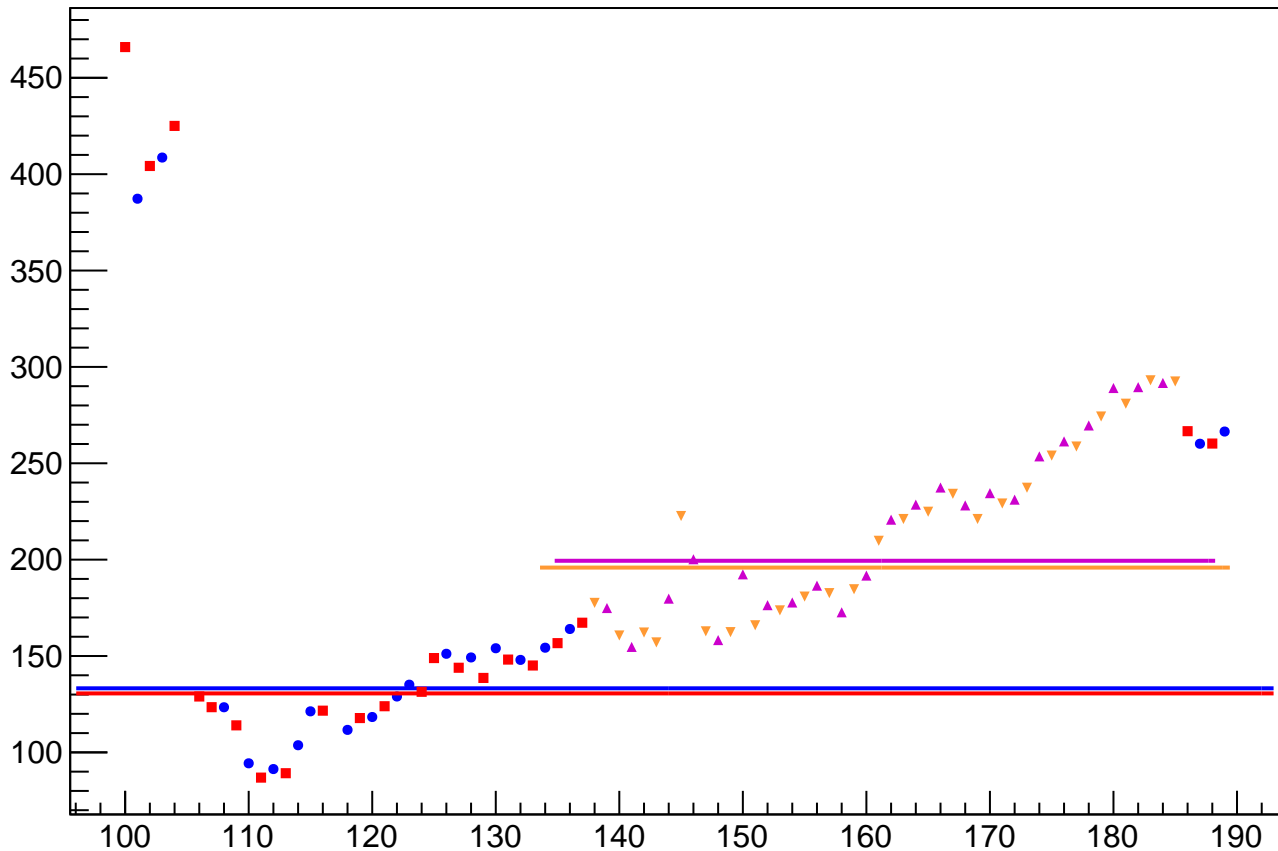
yield_bpm2i01WS_mean vs Slug



Right In: 129162.130 \pm 0.054 χ^2 /NDF: 21890497397.3/18
 Left Out: 128714.507 \pm 0.047 χ^2 /NDF:348178101.1/24
 Right Out: 129921.838 \pm 0.049 χ^2 /NDF: 38909793127.0/20
 Left In: 128667.013 \pm 0.049 χ^2 /NDF:333059477.6/22

+ sign 128908.018 \pm 0.035 χ^2 /NDF: 22278396567.
 All: 129101.970 \pm 0.025 χ^2 /NDF: 61907473
 - sign 129291.015 \pm 0.035 χ^2 /NDF: 39569072756.6

yield_bpm2i01WS_rms vs Slug



Right In: 133.243 \pm 0.038 χ^2 /NDF: 1803280.0/18

Left Out: 195.883 \pm 0.033 χ^2 /NDF: 1313361.5/24

Right Out: 130.594 \pm 0.035 χ^2 /NDF: 2189574.9/20

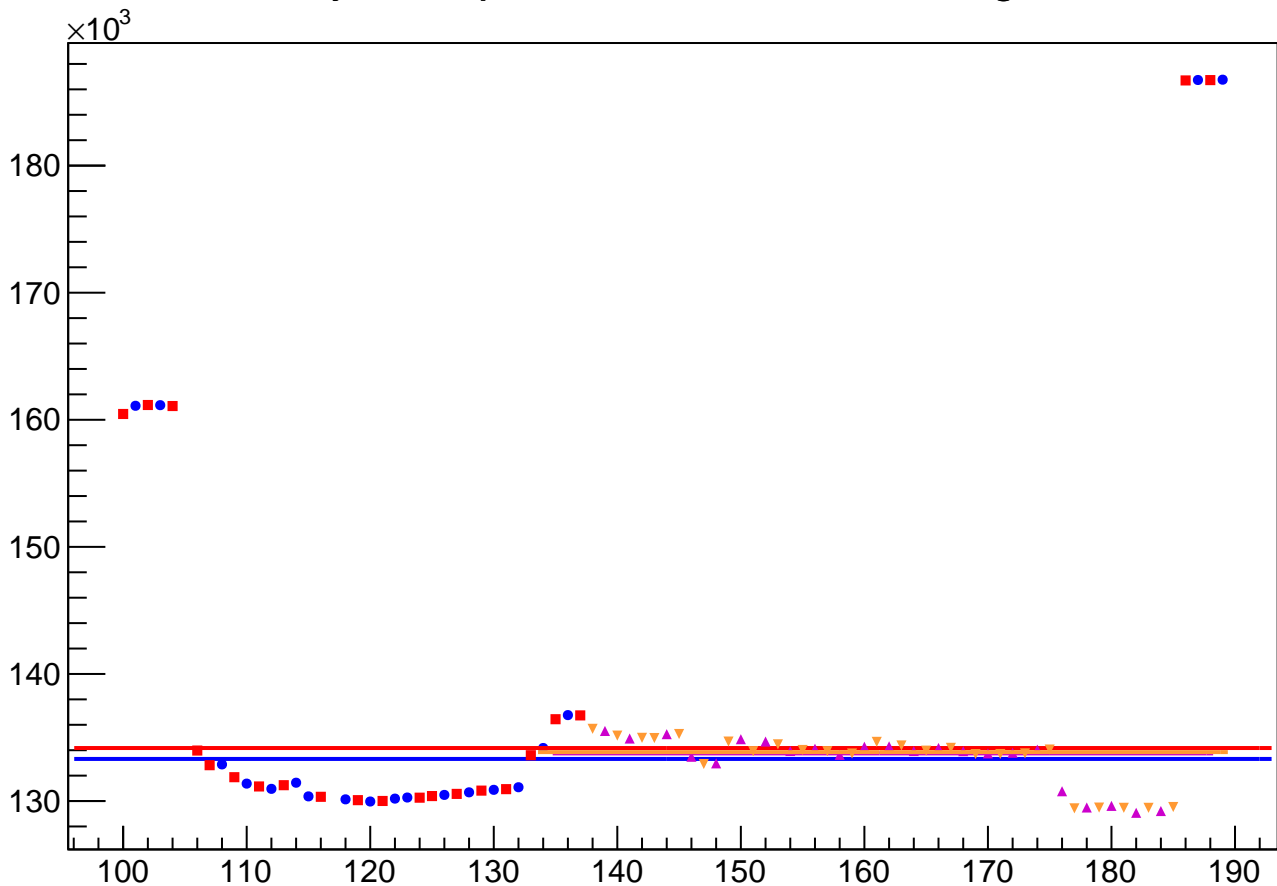
Left In: 199.413 \pm 0.035 χ^2 /NDF: 1165698.7/22

+ sign 168.803 \pm 0.025 χ^2 /NDF: 4672359.4/43

All: 166.974 \pm 0.017 χ^2 /NDF: 10000776.7/87

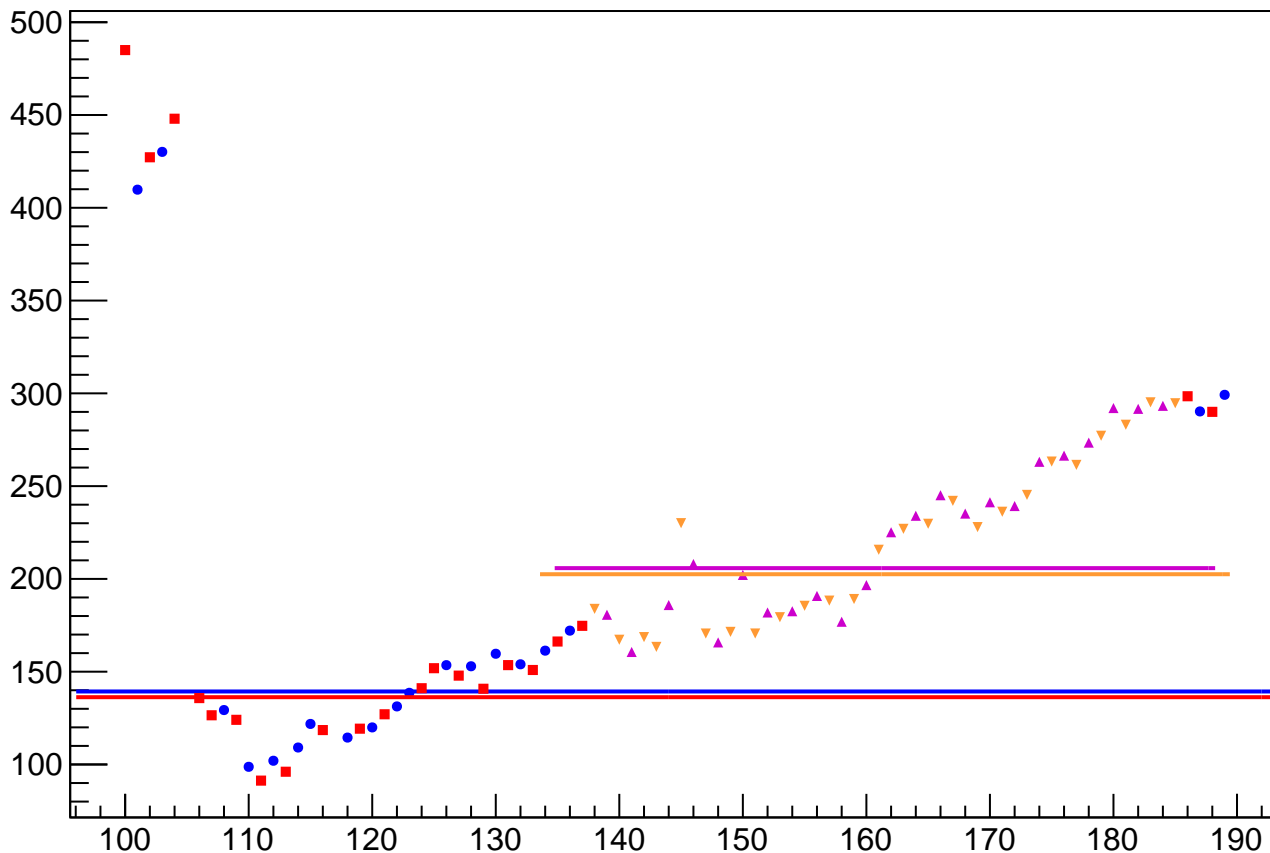
- sign 165.191 \pm 0.025 χ^2 /NDF: 5317741.9/43

yield_bpm2i02WS_mean vs Slug



Right In: 133313.414 ± 0.056 $\chi^2/\text{NDF}: 27598097794.4/18$
 Left Out: 133850.586 ± 0.048 $\chi^2/\text{NDF}: 1080107831.1/24$
 Right Out: 134171.933 ± 0.052 $\chi^2/\text{NDF}: 48155244969.3/20$
 Left In: 133749.630 ± 0.051 $\chi^2/\text{NDF}: 954069486.7/22$
 + sign 133621.748 ± 0.037 $\chi^2/\text{NDF}: 28731071108.$
 All: 133791.387 ± 0.026 $\chi^2/\text{NDF}: 779172252$
 - sign 133956.690 ± 0.036 $\chi^2/\text{NDF}: 49143582703.1$

yield_bpm2i02WS_rms vs Slug



Right In: 139.338 \pm 0.040 χ^2 /NDF: 1805815.2/18

Left Out: 202.527 \pm 0.034 χ^2 /NDF:1211991.5/24

Right Out: 136.255 \pm 0.036 χ^2 /NDF: 2246315.2/20

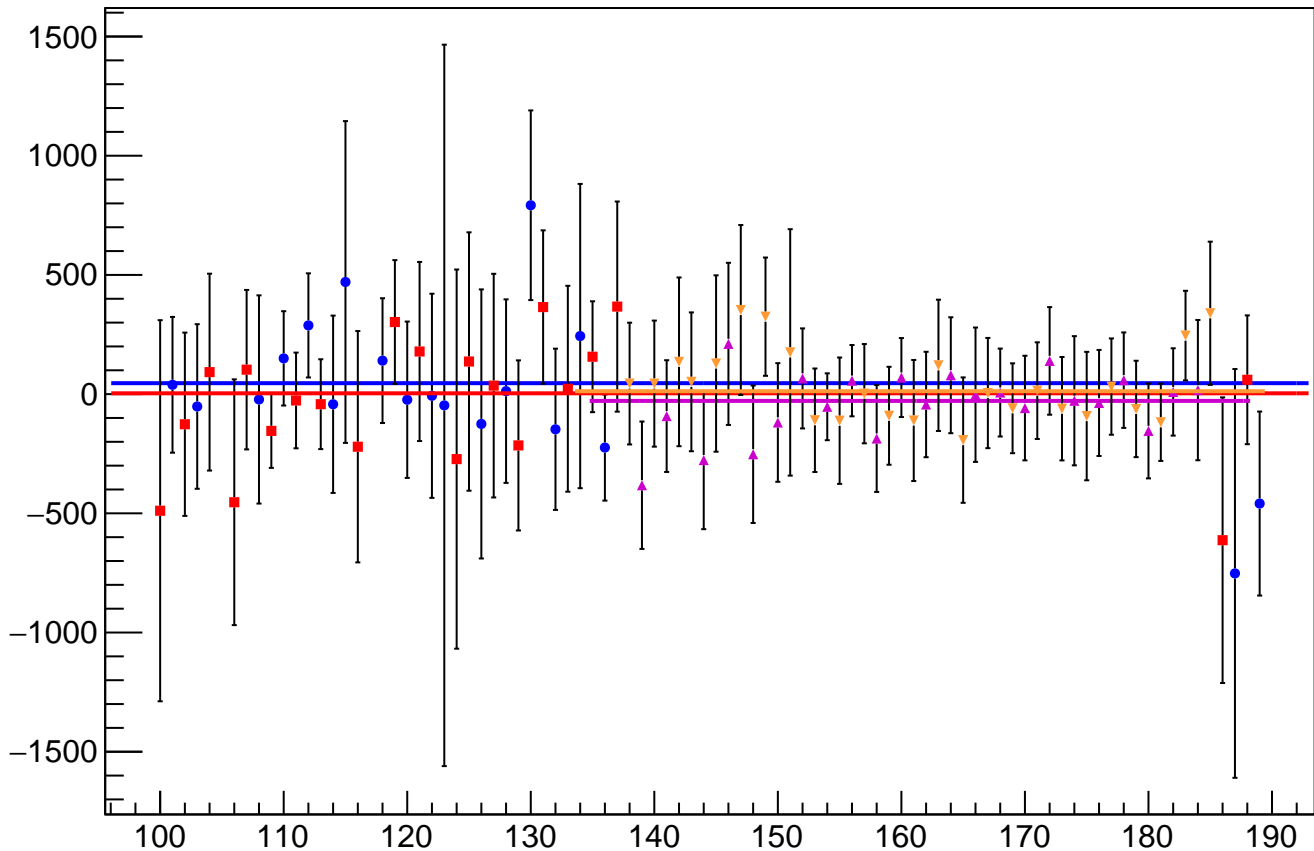
Left In: 205.808 \pm 0.036 χ^2 /NDF:1094330.7/22

+ sign 175.608 \pm 0.026 χ^2 /NDF: 4480855.0/43

All: 173.632 \pm 0.018 χ^2 /NDF: 9692144.1/87

- sign 171.706 \pm 0.026 χ^2 /NDF: 5199728.5/43

asym_bcm_an_ds_mean vs Slug



Right In: 45.939+/-77.298 χ^2/NDF : 10.4/18

Left Out: 12.180+/-47.531 χ^2/NDF : 8.6/24

Right Out: 3.430+/-67.404 χ^2/NDF : 8.3/20

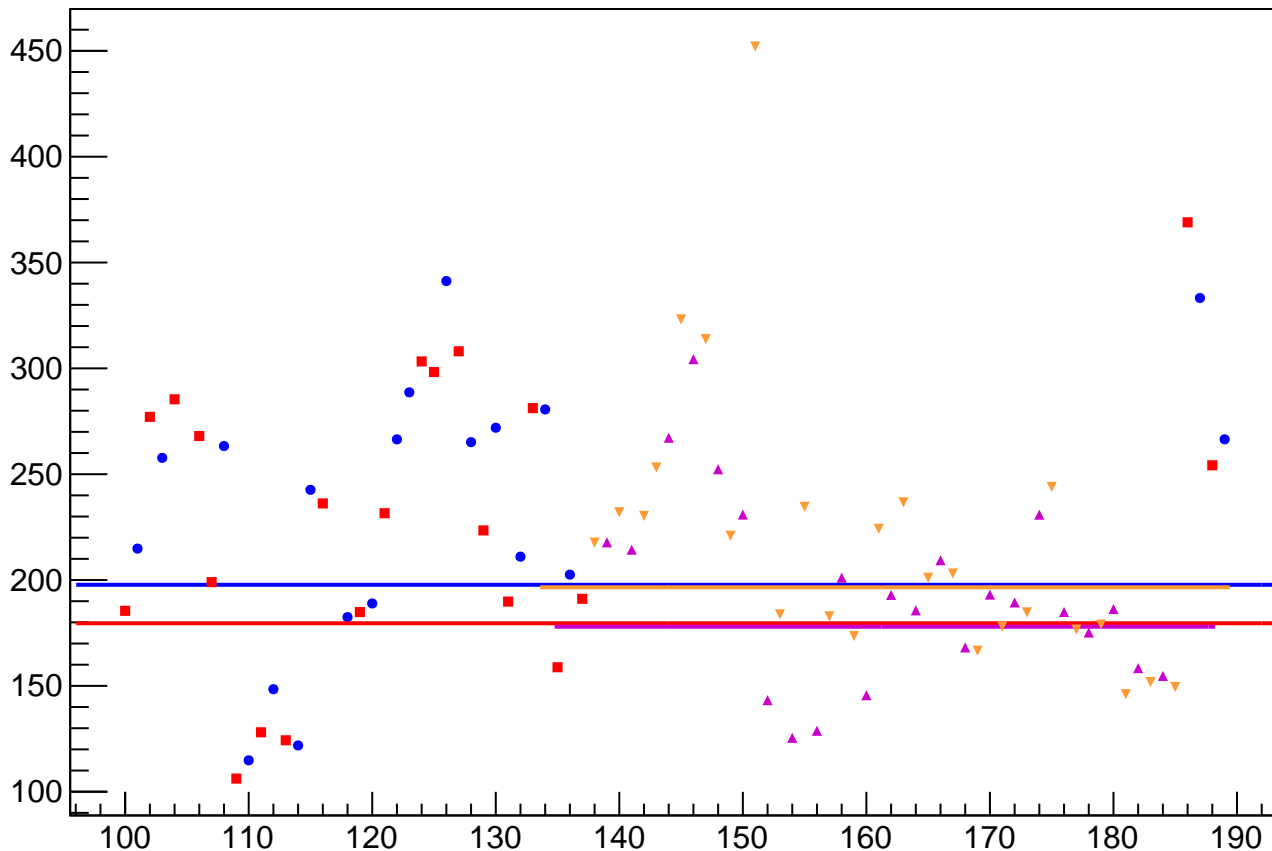
Left In: -28.452+/-44.688 χ^2/NDF : 6.7/22

+ sign 21.442+/-40.489 χ^2/NDF : 19.1/43

All: -0.310+/-27.412 χ^2/NDF : 34.7/87

- sign -18.717+/-37.246 χ^2/NDF : 15.1/43

asym_bcm_an_ds_rms vs Slug



Right In: 197.749 \pm 0.055 χ^2 /NDF: 1136653.6/18

Left Out: 196.576 \pm 0.034 χ^2 /NDF:1778719.0/24

Right Out: 179.578 \pm 0.048 χ^2 /NDF: 1950612.9/20

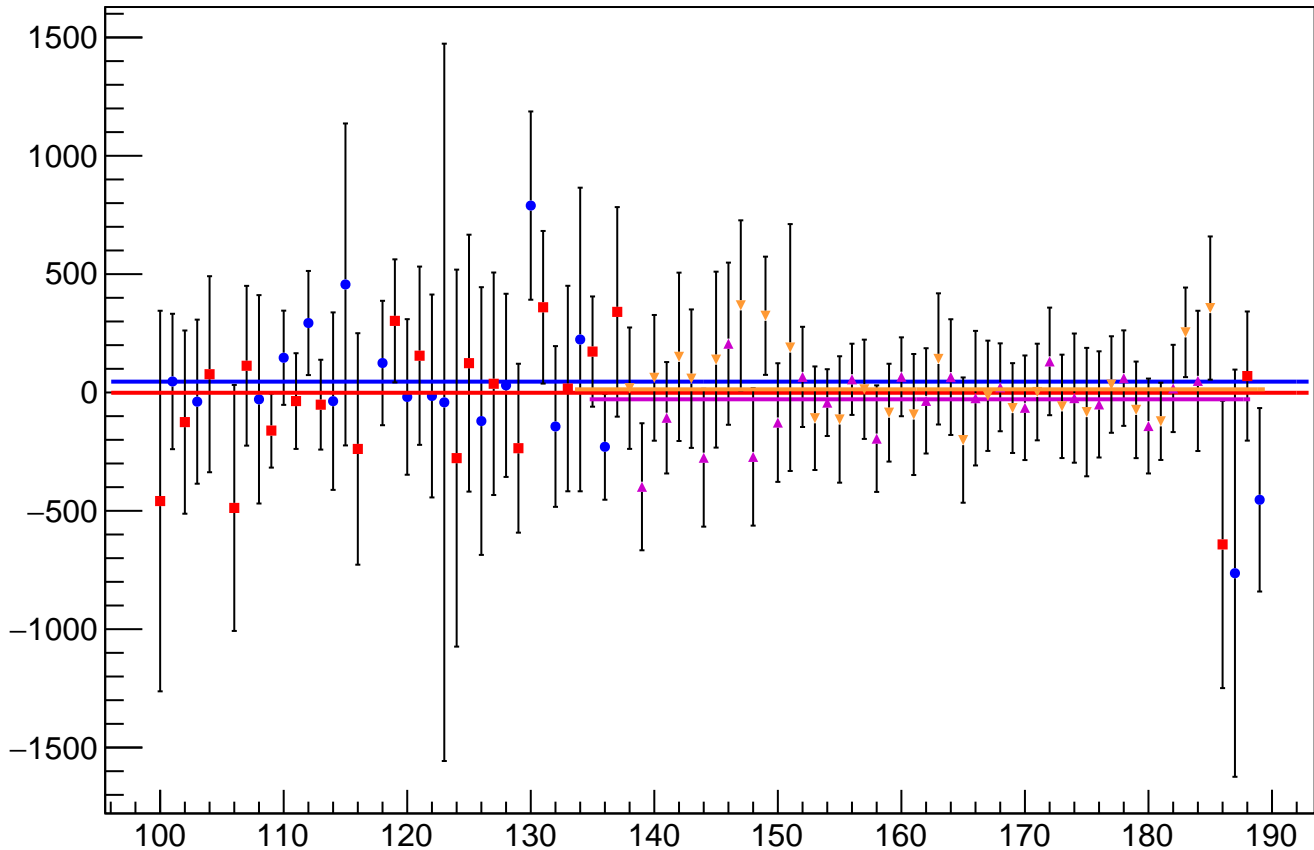
Left In: 177.933 \pm 0.032 χ^2 /NDF:1605780.8/22

+ sign 196.898 \pm 0.029 χ^2 /NDF: 2915706.9/43

All: 186.898 \pm 0.019 χ^2 /NDF: 6698183.2/87

- sign 178.435 \pm 0.026 χ^2 /NDF: 3557221.0/43

asym_bcm_an_ds3_mean vs Slug



Right In: 45.820+/-77.673 χ^2 /NDF: 10.2/18

Left Out: 13.395+/-47.862 χ^2 /NDF:9.0/24

Right Out: -1.197+/-67.786 χ^2 /NDF: 8.6/20

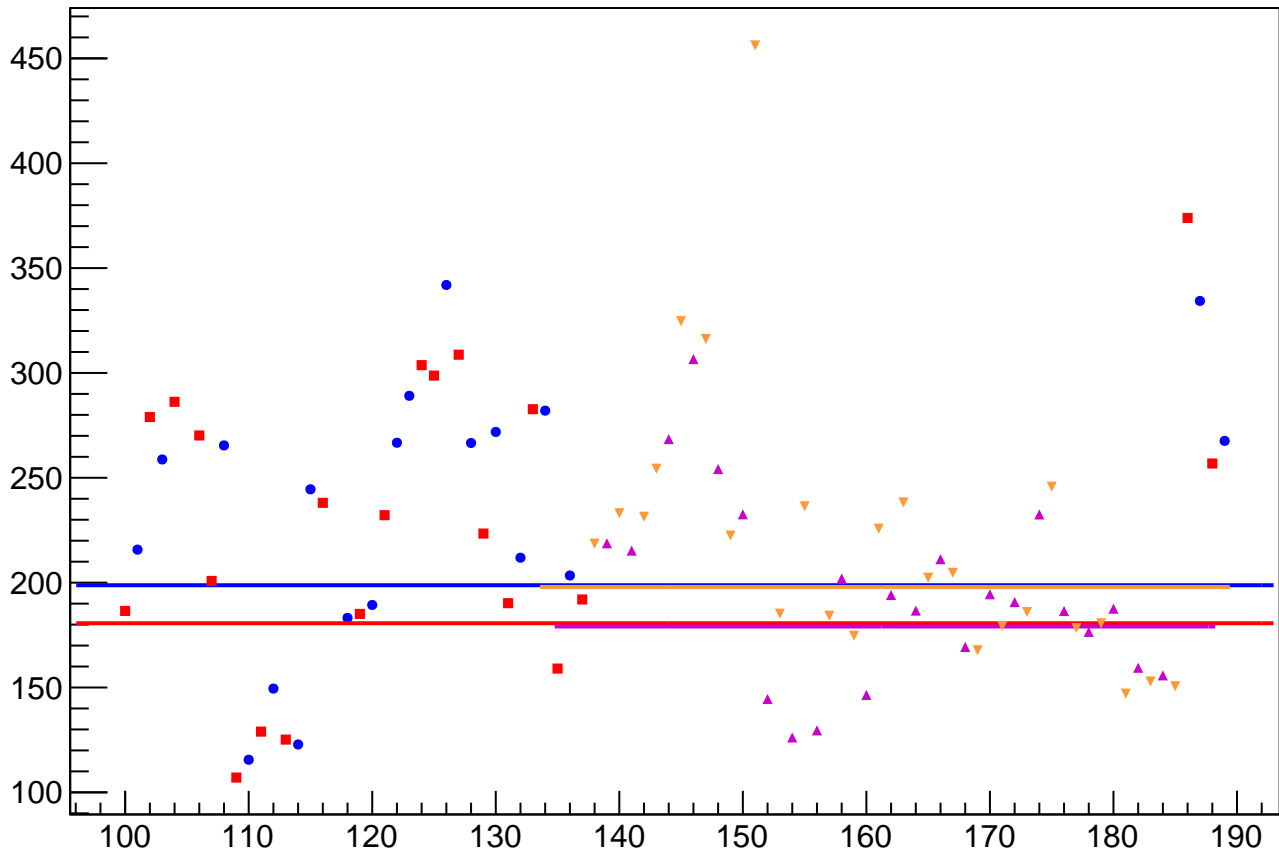
Left In: -28.806+/-44.980 χ^2 /NDF:6.8/22

+ sign 22.318+/-40.747 χ^2 /NDF: 19.3/43

All: -0.804+/-27.585 χ^2 /NDF: 35.4/87

- sign -20.366+/-37.479 χ^2 /NDF: 15.5/43

asym_bcm_an_ds3_rms vs Slug



Right In: 198.771 \pm 0.055 χ^2 /NDF: 1127583.7/18

Left Out: 197.953 \pm 0.034 χ^2 /NDF:1774524.3/24

+ sign 198.178 \pm 0.029 χ^2 /NDF: 2902268.7/43

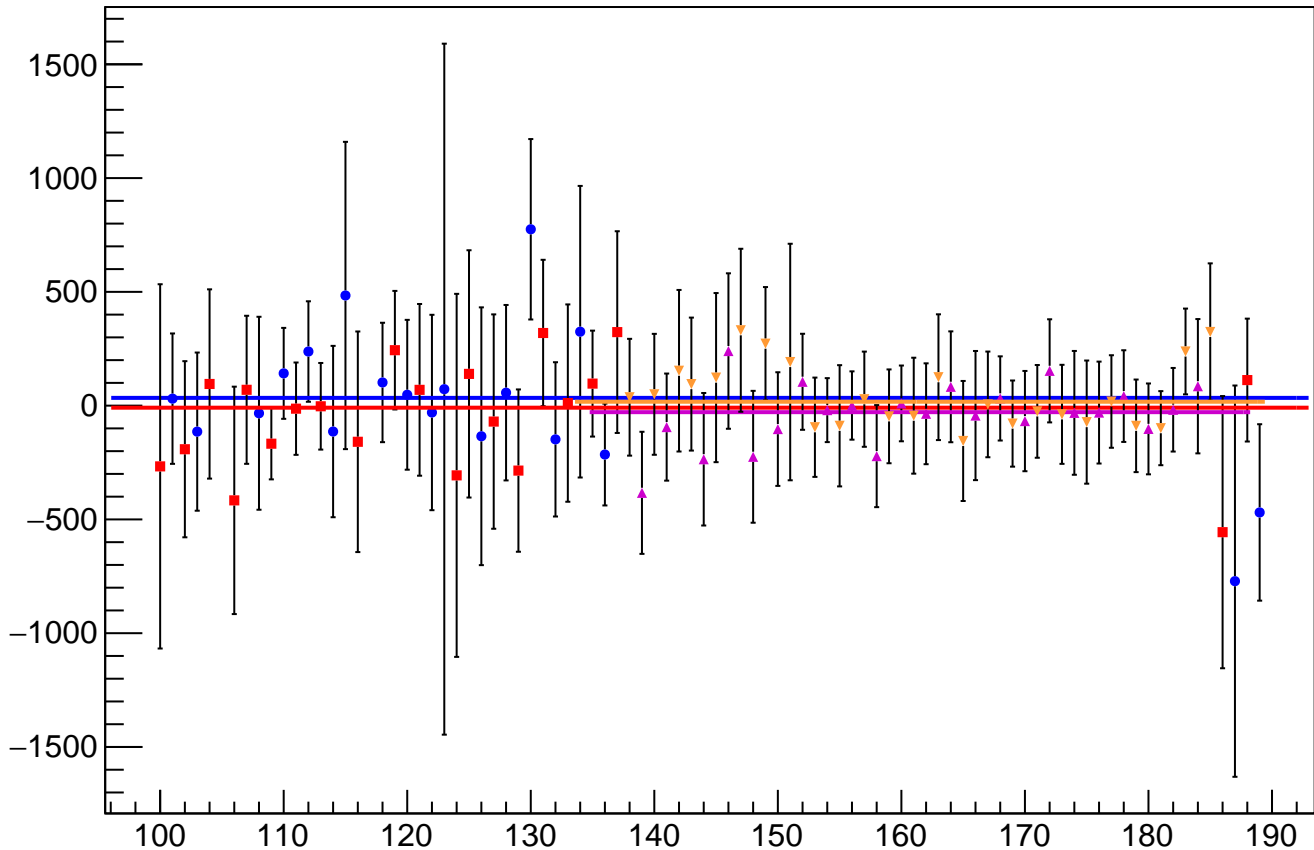
Right Out: 180.636 \pm 0.048 χ^2 /NDF: 1944613.3/20

All: 188.094 \pm 0.020 χ^2 /NDF: 6678836.7/87

- sign 179.563 \pm 0.027 χ^2 /NDF: 3550449.4/43

Left In: 179.090 \pm 0.032 χ^2 /NDF:1605113.3/22

asym_bcm_an_us_mean vs Slug



Right In: 34.141 \pm 77.670 χ^2 /NDF: 9.9/18

Left Out: 17.142 \pm 47.738 χ^2 /NDF: 7.1/24

Right Out: -8.995 \pm 67.660 χ^2 /NDF: 6.9/20

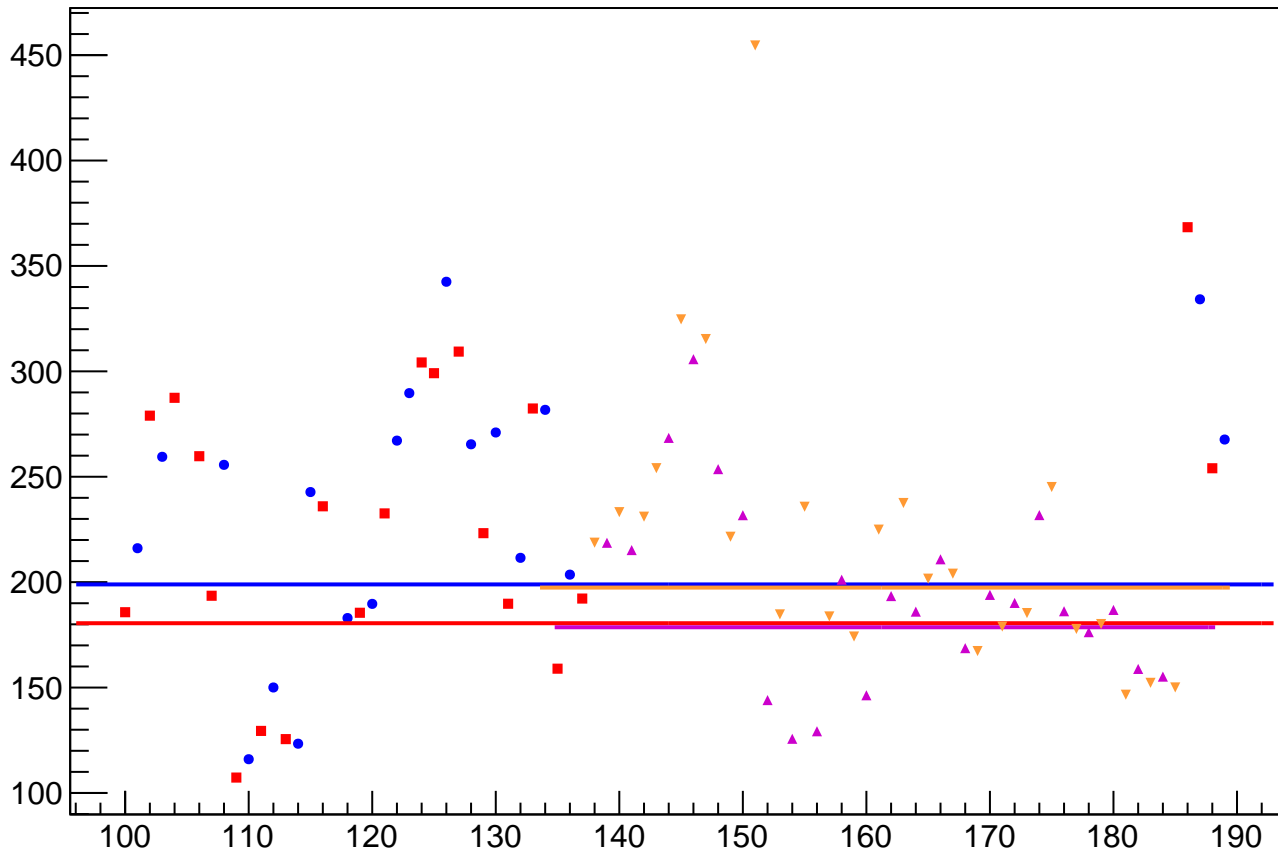
Left In: -28.655 \pm 44.859 χ^2 /NDF: 6.1/22

+ sign 21.803 \pm 40.670 χ^2 /NDF: 17.0/43

All: -2.290 \pm 27.525 χ^2 /NDF: 30.8/87

- sign -22.652 \pm 37.388 χ^2 /NDF: 13.1/43

asym_bcm_an_us_rms vs Slug



Right In: 198.927 \pm 0.055 χ^2 /NDF: 1105104.1/18

Left Out: 197.422 \pm 0.034 χ^2 /NDF: 1780261.9/24

Right Out: 180.521 \pm 0.048 χ^2 /NDF: 1907942.5/20

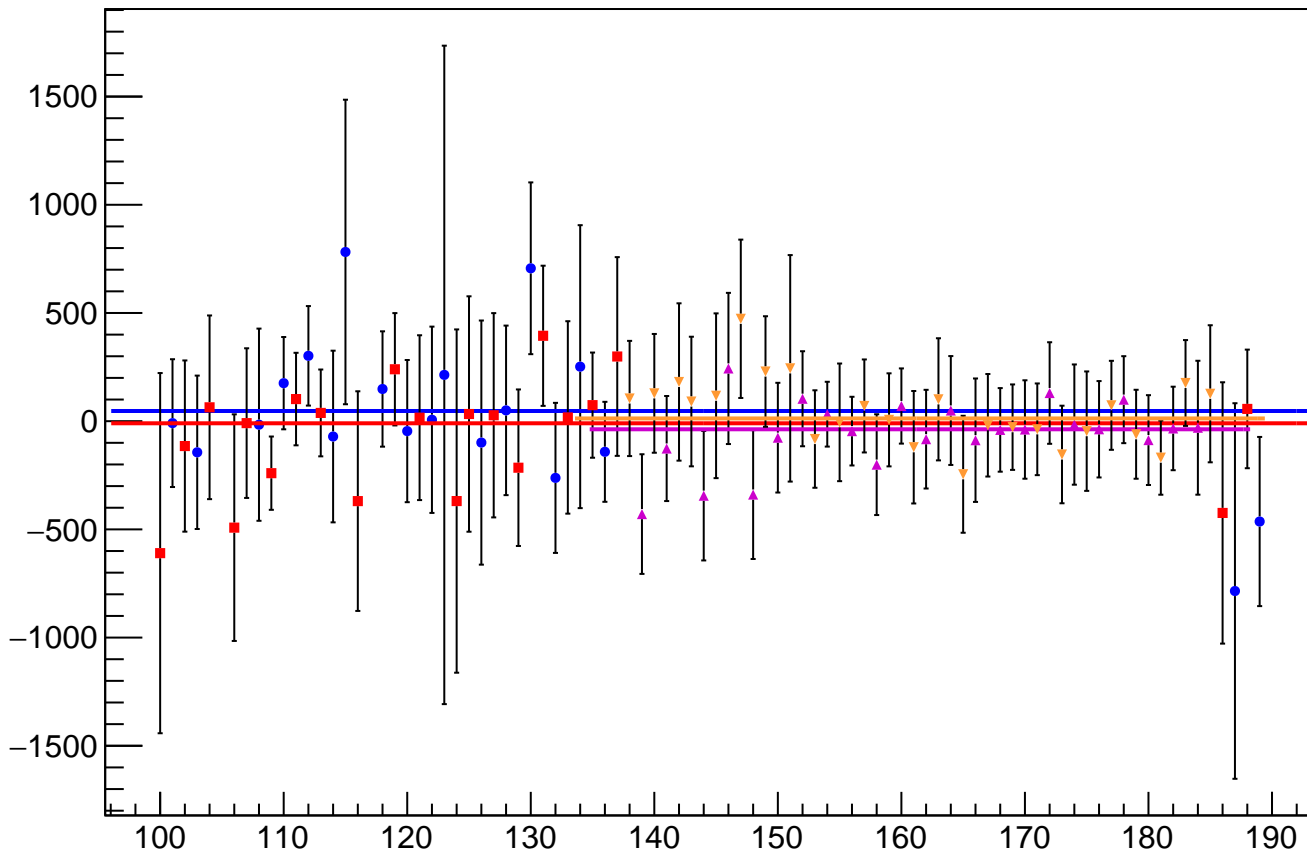
Left In: 178.601 \pm 0.032 χ^2 /NDF: 1608998.1/22

+ sign 197.834 \pm 0.029 χ^2 /NDF: 2885911.3/43

All: 187.728 \pm 0.019 χ^2 /NDF: 6631832.7/87

- sign 179.188 \pm 0.026 χ^2 /NDF: 3518059.1/43

asym_bcm_dg_us_mean vs Slug



Right In: 47.054 \pm 80.003 χ^2 /NDF: 10.4/18

Left Out: 12.632 \pm 49.242 χ^2 /NDF: 7.5/24

Right Out: -9.723 \pm 70.352 χ^2 /NDF: 8.3/20

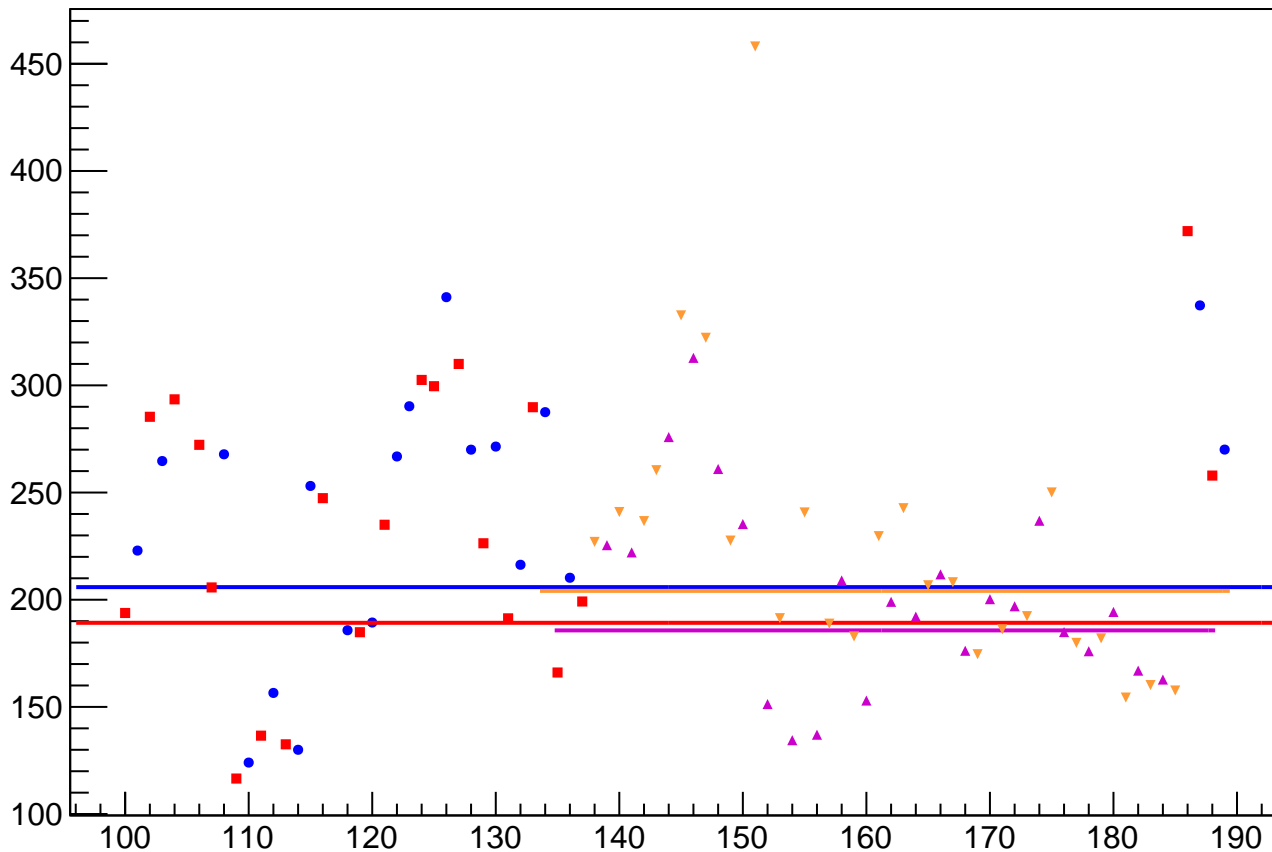
Left In: -37.460 \pm 46.479 χ^2 /NDF: 7.6/22

+ sign 22.090 \pm 41.935 χ^2 /NDF: 18.0/43

All: -5.467 \pm 28.472 χ^2 /NDF: 34.9/87

- sign -29.032 \pm 38.780 χ^2 /NDF: 16.0/43

asym_bcm_dg_us_rms vs Slug



Right In: 205.879 \pm 0.057 χ^2 /NDF: 988925.4/18

Left Out: 204.132 \pm 0.035 χ^2 /NDF:1672287.6/24

Right Out: 189.237 \pm 0.050 χ^2 /NDF: 1703667.0/20

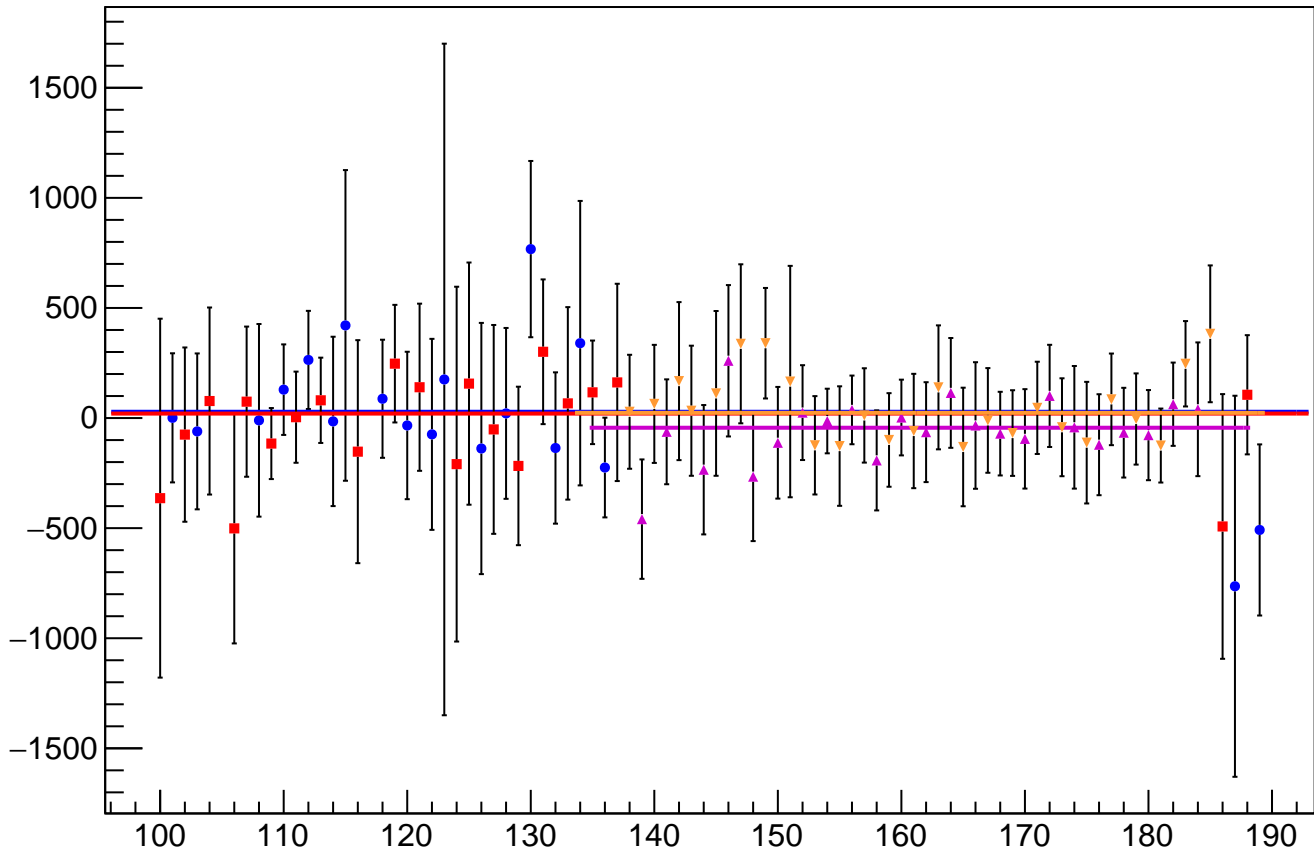
Left In: 185.694 \pm 0.033 χ^2 /NDF:1447767.0/22

+ sign 204.612 \pm 0.030 χ^2 /NDF: 2661905.0/43

All: 194.995 \pm 0.020 χ^2 /NDF: 6012017.1/87

- sign 186.770 \pm 0.027 χ^2 /NDF: 3154965.9/43

asym_bcm_dg_ds_mean vs Slug



Right In: 28.541+/-78.999 χ^2/NDF : 9.9/18

Left Out: 23.843+/-48.783 χ^2/NDF : 8.5/24

Right Out: 20.257+/-69.013 χ^2/NDF : 5.5/20

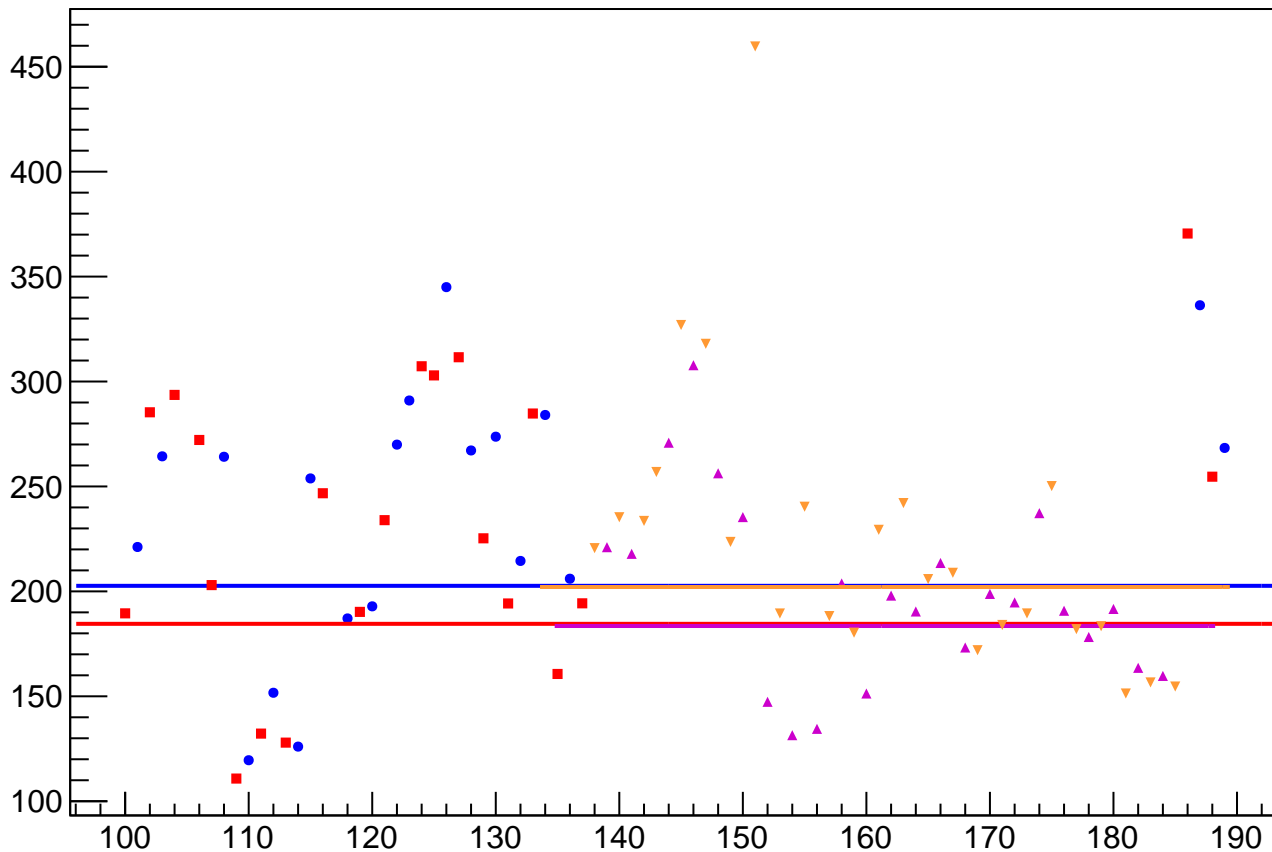
Left In: -43.978+/-45.981 χ^2/NDF : 6.5/22

+ sign 25.140+/-41.507 χ^2/NDF : 18.3/43

All: -1.548+/-28.134 χ^2/NDF : 31.7/87

- sign -24.230+/-38.265 χ^2/NDF : 12.6/43

asym_bcm_dg_ds_rms vs Slug



Right In: 202.645 \pm 0.056 χ^2 /NDF: 1074955.2/18

Left Out: 202.081 \pm 0.034 χ^2 /NDF: 1692787.9/24

Right Out: 184.536 \pm 0.049 χ^2 /NDF: 1867426.0/20

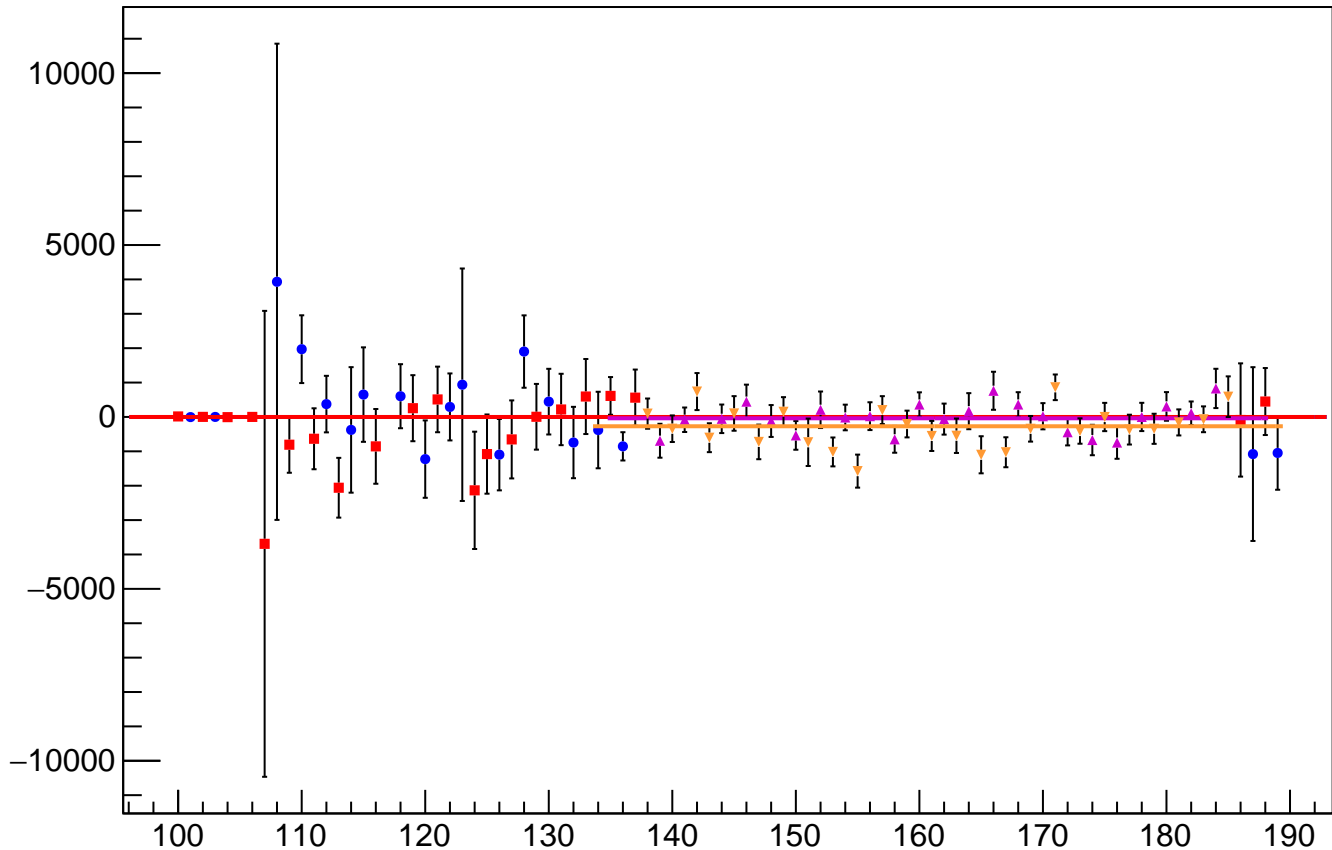
Left In: 183.498 \pm 0.033 χ^2 /NDF: 1483383.4/22

+ sign 202.236 \pm 0.029 χ^2 /NDF: 2767817.0/43

All: 192.280 \pm 0.020 χ^2 /NDF: 6331843.7/87

- sign 183.817 \pm 0.027 χ^2 /NDF: 3351122.5/43

asym_cav4bQ_mean vs Slug



Right In: -1.535 ± 2.251 χ^2/NDF : 18.6/18

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.724 ± 2.111 χ^2/NDF : 19.3/20

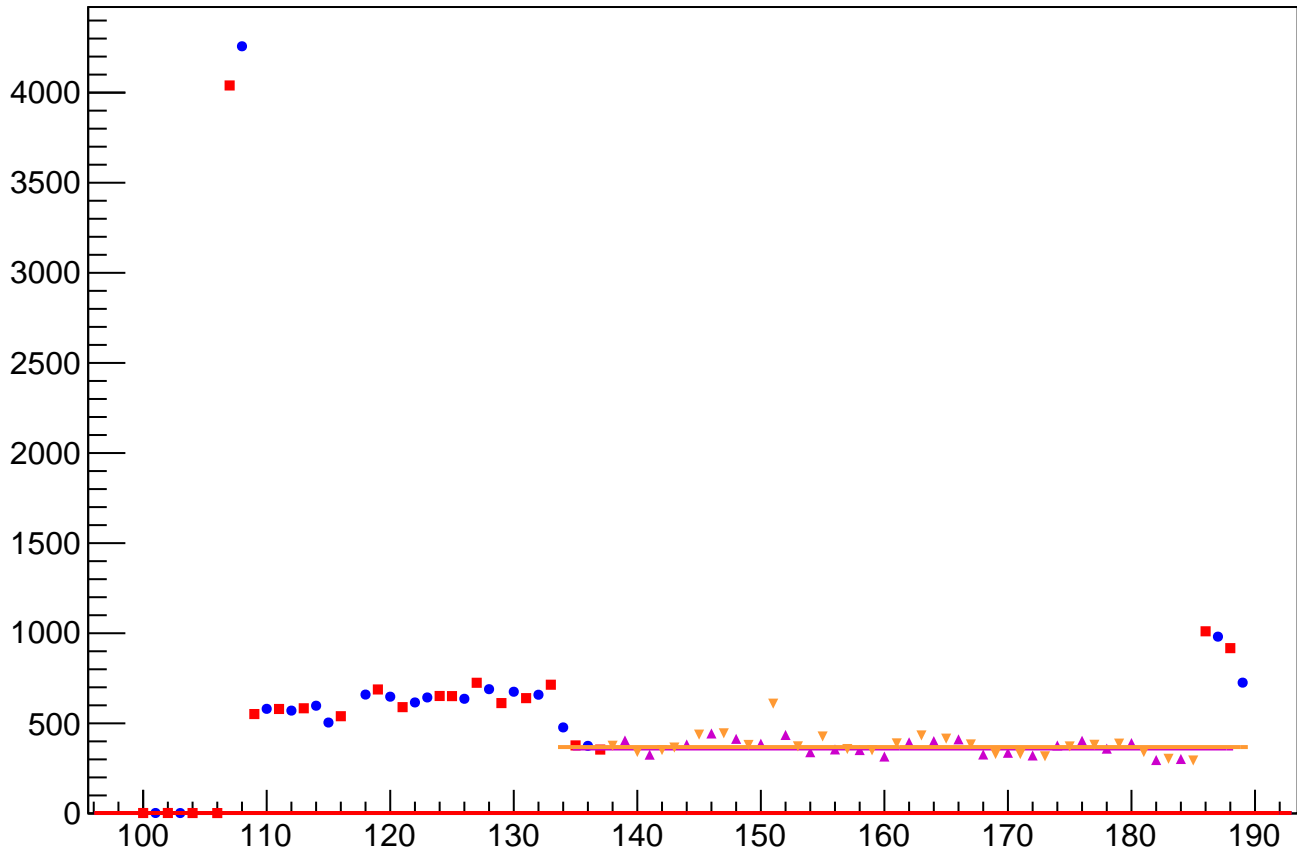
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.715 ± 2.251 χ^2/NDF : 66.3/43

All: -1.200 ± 1.540 χ^2/NDF : 106.1/87

- sign -0.746 ± 2.111 χ^2/NDF : 39.8/43

asym_cav4bQ_rms vs Slug



Right In: 2.460 \pm 0.002 χ^2 /NDF: 12022446.5/18

Left Out: 368.397 \pm 0.061 χ^2 /NDF:622466.1/24

Right Out: 2.443 \pm 0.001 χ^2 /NDF: 13614853.0/20

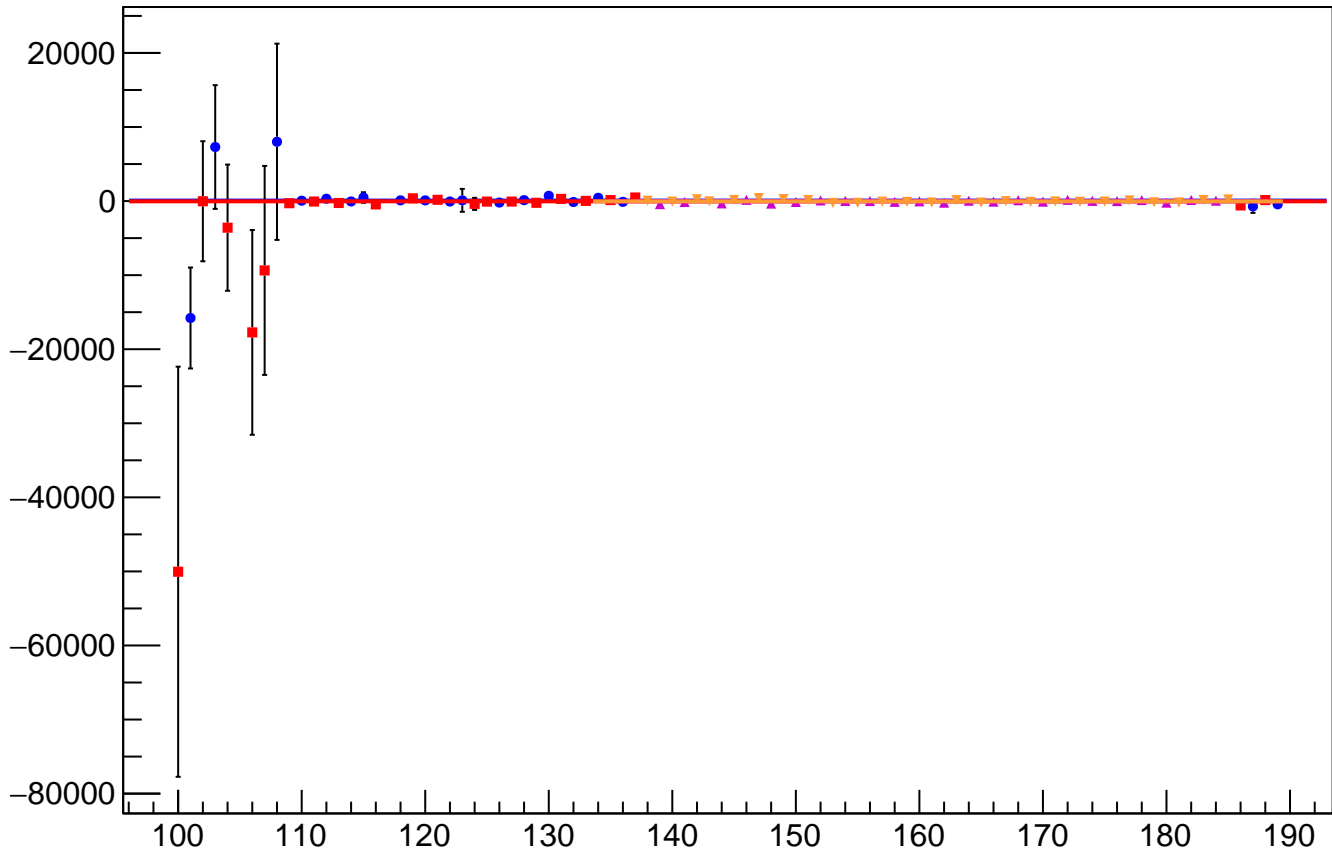
Left In: 360.408 \pm 0.062 χ^2 /NDF:417739.4/22

+ sign 2.705 \pm 0.002 χ^2 /NDF: 48031500.6/43

All: 2.676 \pm 0.001 χ^2 /NDF: 95313458.0/87

- sign 2.649 \pm 0.001 χ^2 /NDF: 47281299.0/43

asym_cav4cQ_mean vs Slug



Right In: 65.498+/-88.363 χ^2 /NDF: 14.6/18

Left Out: -38.013+/-49.628 χ^2 /NDF:9.3/24

Right Out: -32.676+/-80.131 χ^2 /NDF: 15.3/20

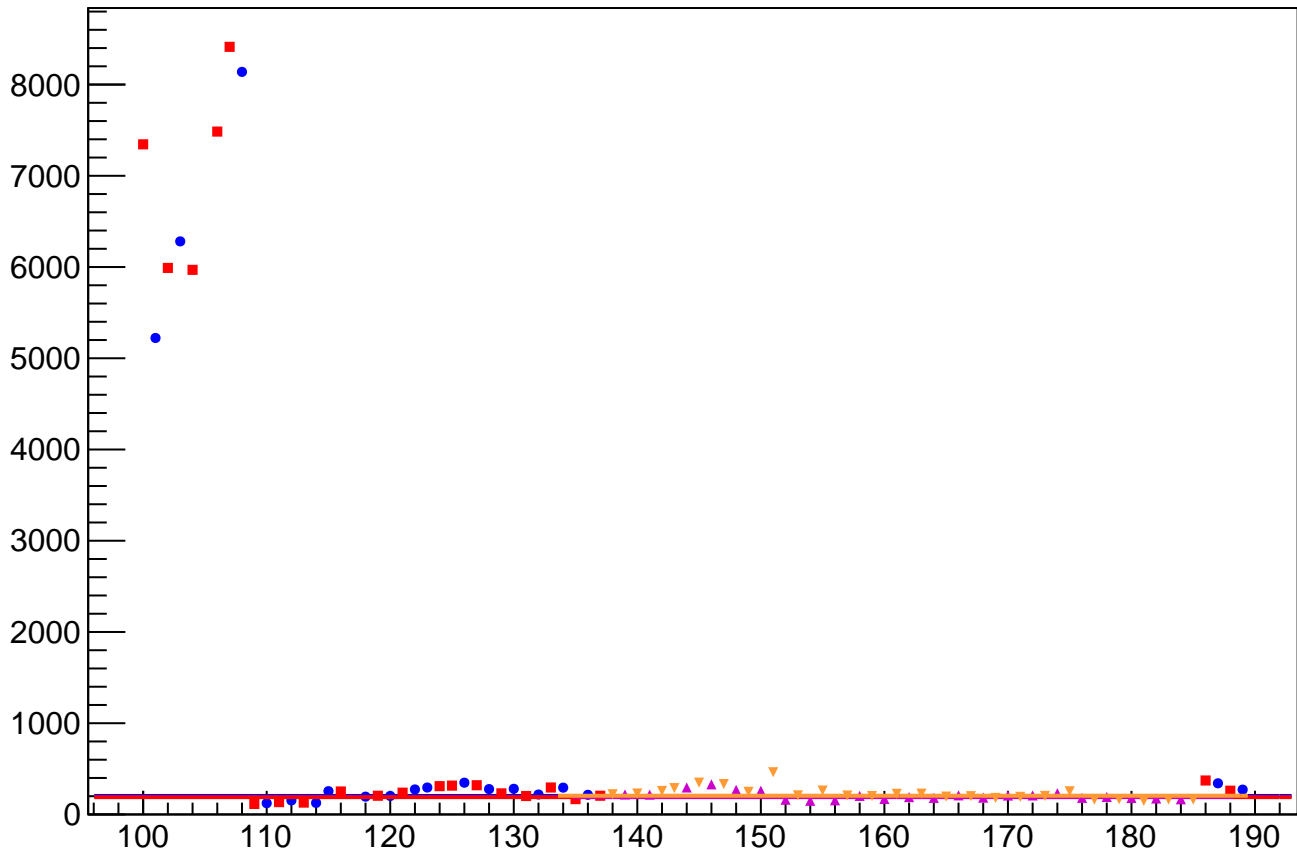
Left In: -28.205+/-48.167 χ^2 /NDF:9.2/22

+ sign -13.192+/-43.271 χ^2 /NDF: 24.9/43

All: -21.672+/-29.869 χ^2 /NDF: 49.4/87

- sign -29.392+/-41.283 χ^2 /NDF: 24.5/43

asym_cav4cQ_rms vs Slug



Right In: 202.531+/-0.062 χ^2/NDF : 3815342.9/18

Left Out: 205.027+/-0.035 χ^2/NDF : 1956045.1/24

Right Out: 189.894+/-0.057 χ^2/NDF : 4656597.3/20

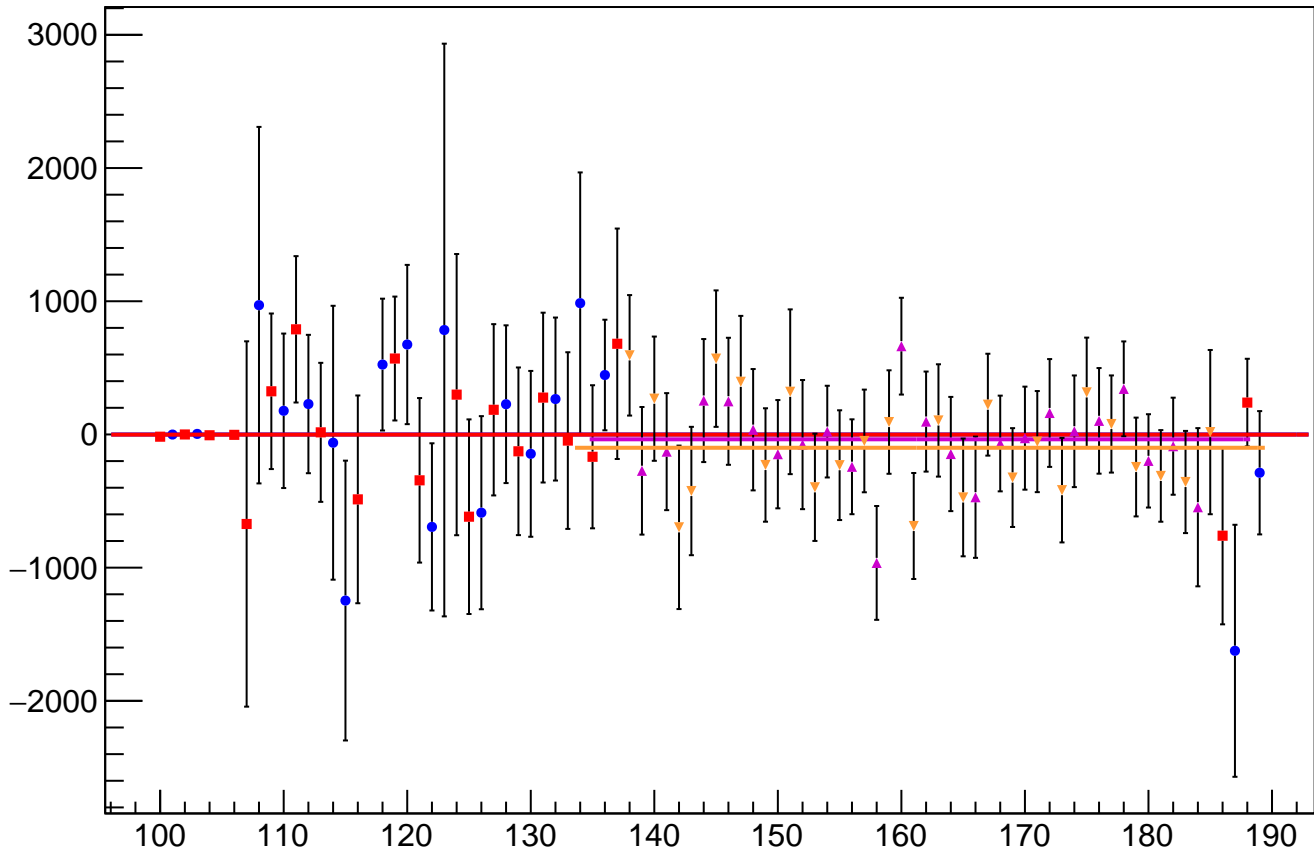
Left In: 193.405+/-0.034 χ^2/NDF : 1172169.3/22

+ sign 204.428+/-0.031 χ^2/NDF : 5772601.4/43

All: 198.170+/-0.021 χ^2/NDF : 11684111.8/87

- sign 192.473+/-0.029 χ^2/NDF : 5831586.1/43

asym_cav4dQ_mean vs Slug



Right In: -0.149 ± 1.737 χ^2/NDF : 13.4/18

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.321 ± 1.623 χ^2/NDF : 11.2/20

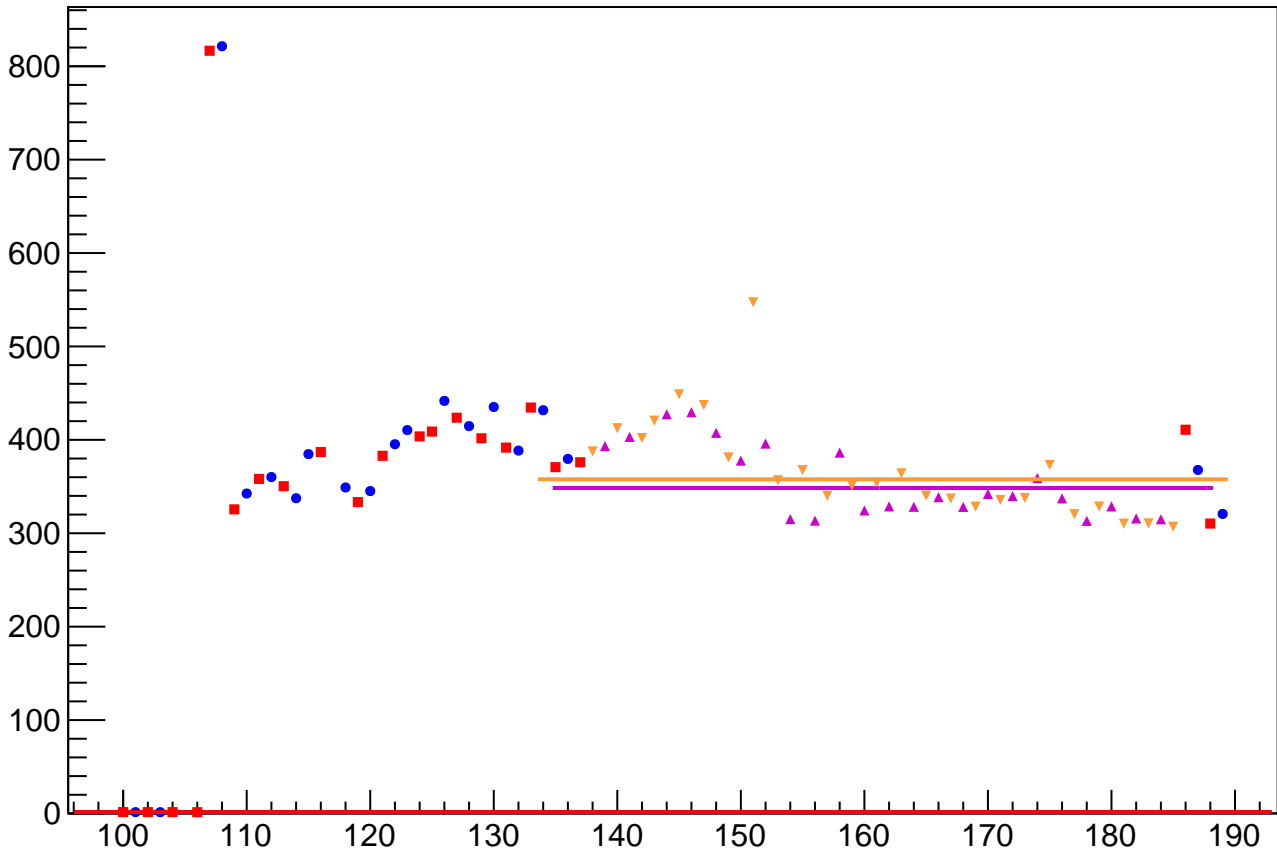
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.192 ± 1.736 χ^2/NDF : 30.5/43

All: -0.802 ± 1.185 χ^2/NDF : 55.6/87

- sign -1.334 ± 1.622 χ^2/NDF : 24.9/43

asym_cav4dQ_rms vs Slug



Right In: 1.458 \pm 0.001 χ^2 /NDF: 12165964.3/18

Left Out: 357.771 \pm 0.060 χ^2 /NDF: 547124.8/24

Right Out: 1.461 \pm 0.001 χ^2 /NDF: 13359418.7/20

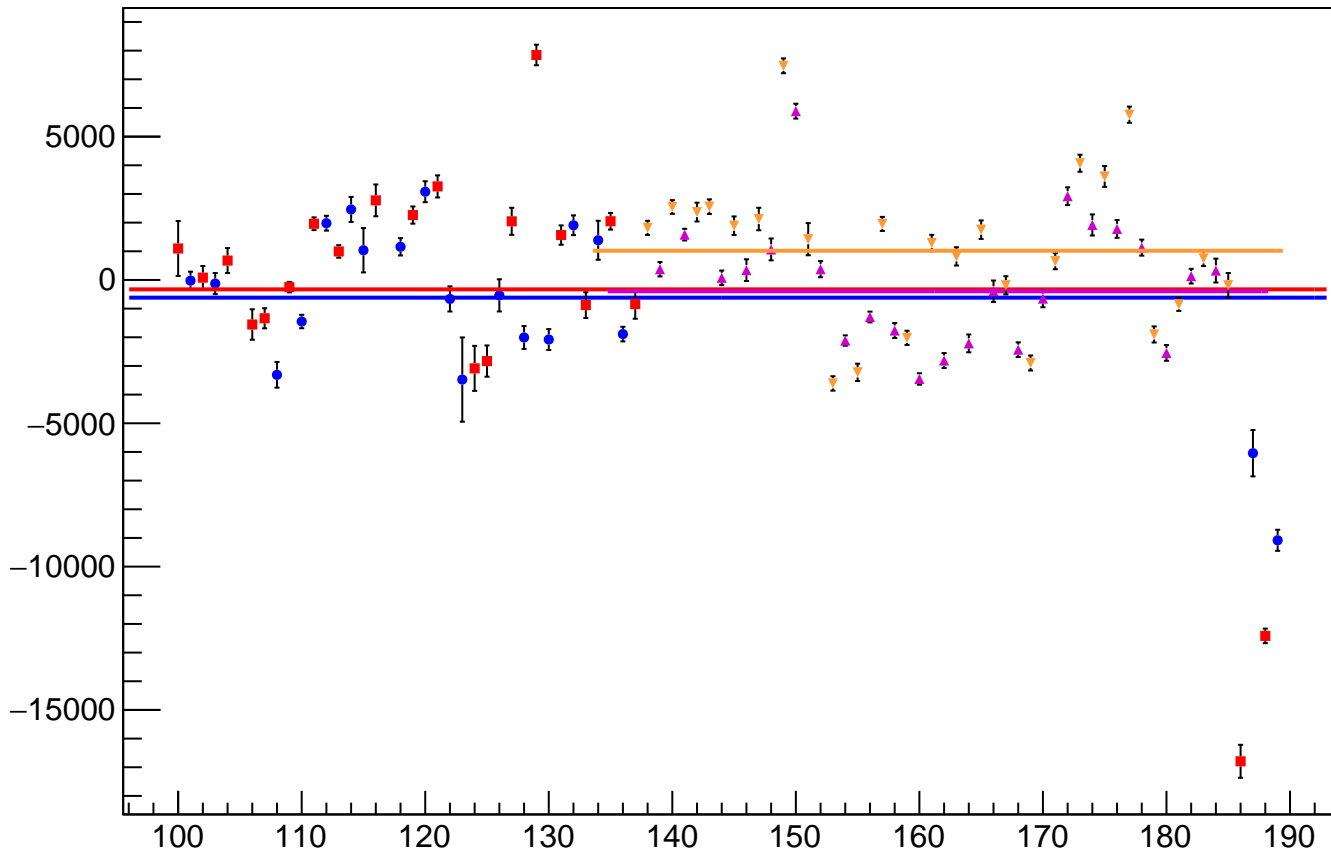
Left In: 348.464 \pm 0.060 χ^2 /NDF: 360425.7/22

+ sign 1.610 \pm 0.001 χ^2 /NDF: 48521870.8/43

All: 1.598 \pm 0.001 χ^2 /NDF: 95817510.6/87

- sign 1.588 \pm 0.001 χ^2 /NDF: 47295473.9/43

asym_bcm0l02_mean vs Slug



Right In: -617.514 ± 84.895 $\chi^2/\text{NDF}: 1039.8/18$

Left Out: 1018.965 ± 57.402 $\chi^2/\text{NDF}: 2310.1/24$

Right Out: -328.265 ± 74.317 $\chi^2/\text{NDF}: 4118.4/20$

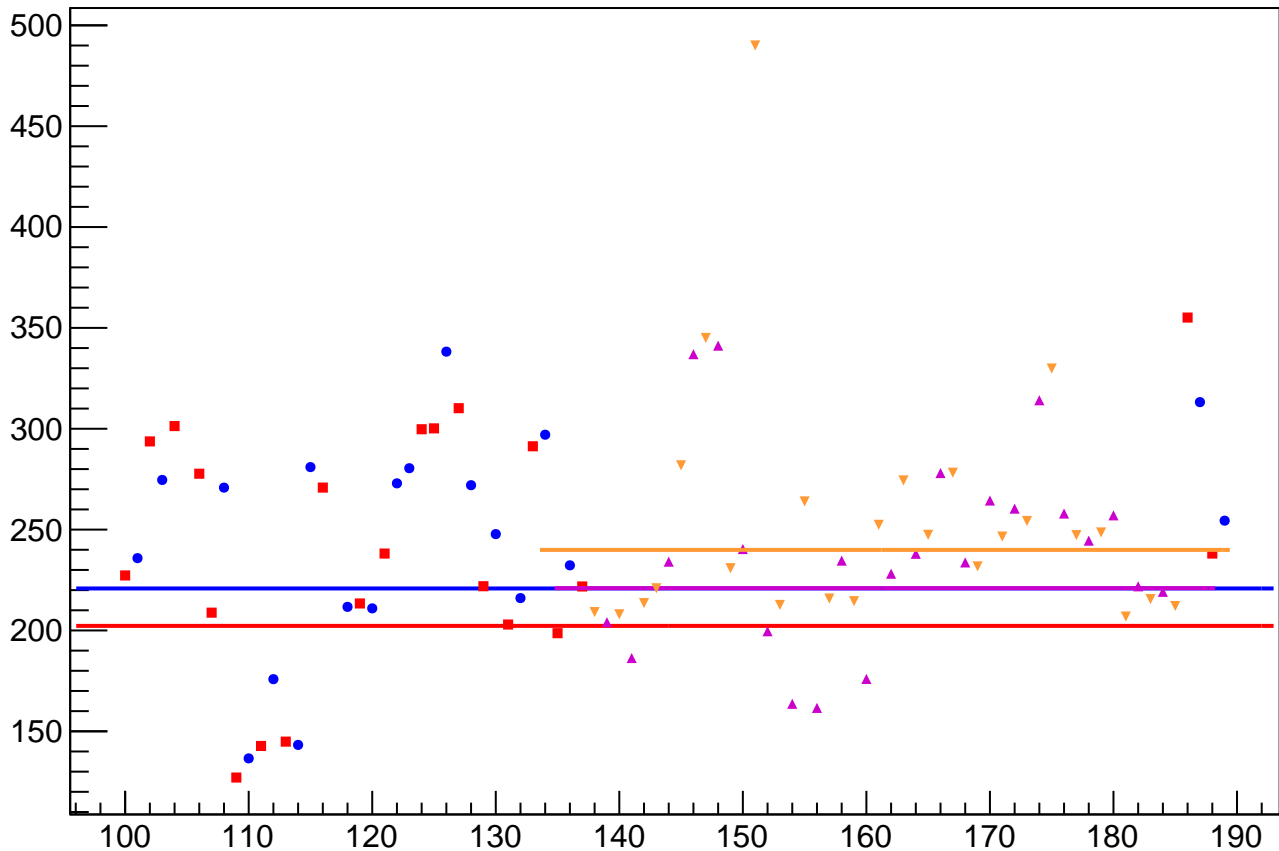
Left In: -396.609 ± 55.090 $\chi^2/\text{NDF}: 1581.0/22$

+ sign 505.533 ± 47.552 $\chi^2/\text{NDF}: 3604.9/43$

All: 35.106 ± 32.397 $\chi^2/\text{NDF}: 9487.6/87$

- sign -372.371 ± 44.256 $\chi^2/\text{NDF}: 5700.0/43$

asym_bcm0l02_rms vs Slug



Right In: 220.816 \pm 0.060 χ^2 /NDF: 706170.2/18

Left Out: 239.942 \pm 0.041 χ^2 /NDF:1000770.0/24

Right Out: 202.272 \pm 0.053 χ^2 /NDF: 1382755.3/20

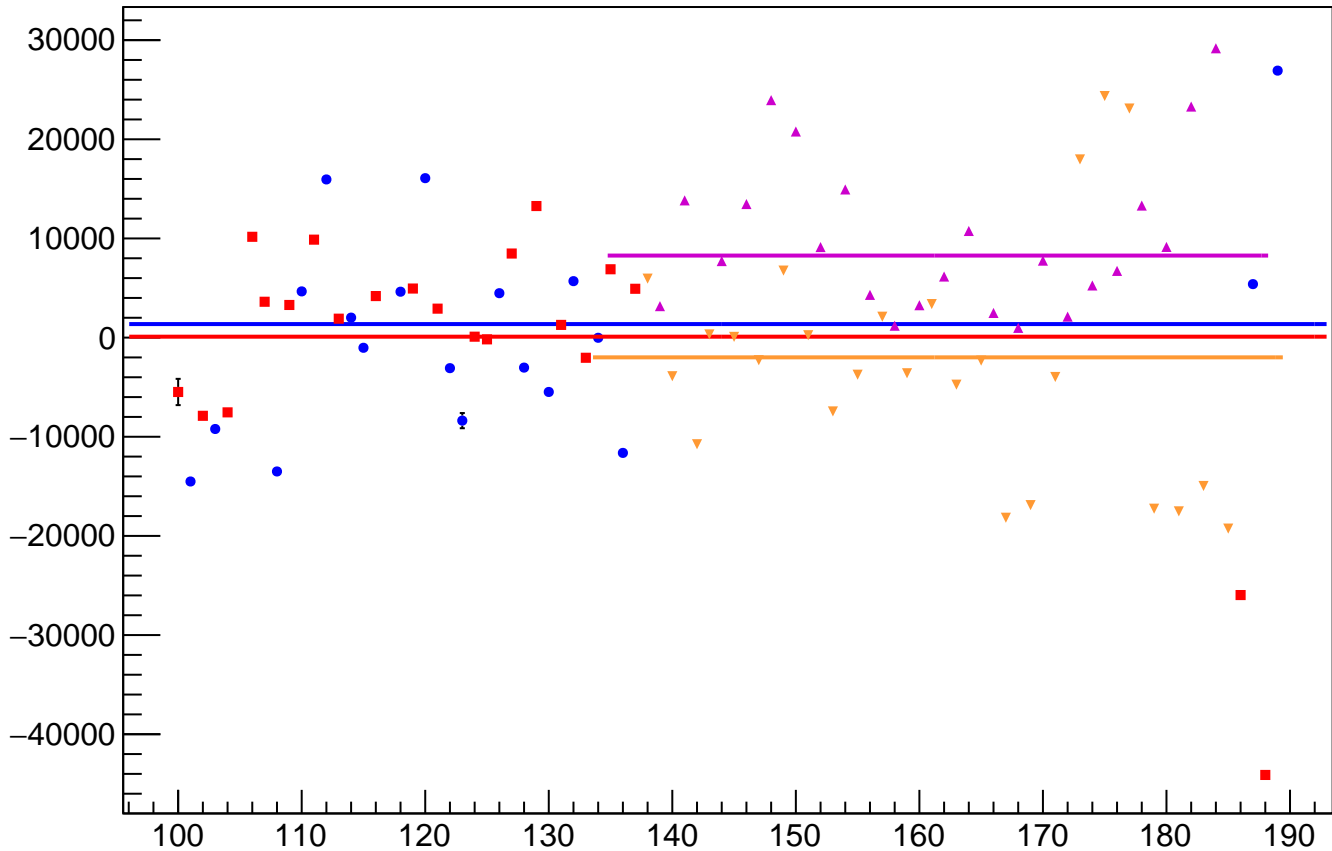
Left In: 220.972 \pm 0.039 χ^2 /NDF:1327680.6/22

+ sign 233.941 \pm 0.034 χ^2 /NDF: 1776603.9/43

All: 223.438 \pm 0.023 χ^2 /NDF: 4750858.6/87

- sign 214.340 \pm 0.031 χ^2 /NDF: 2792159.6/43

asym_bpm0i02WS_mean vs Slug



Right In: 1363.967+/-53.358 χ^2 /NDF: 40765.8/18

Left Out: -1991.788+/-42.427 χ^2 /NDF:63766.6/24

Right Out: 92.458+/-49.674 χ^2 /NDF: 79880.3/20

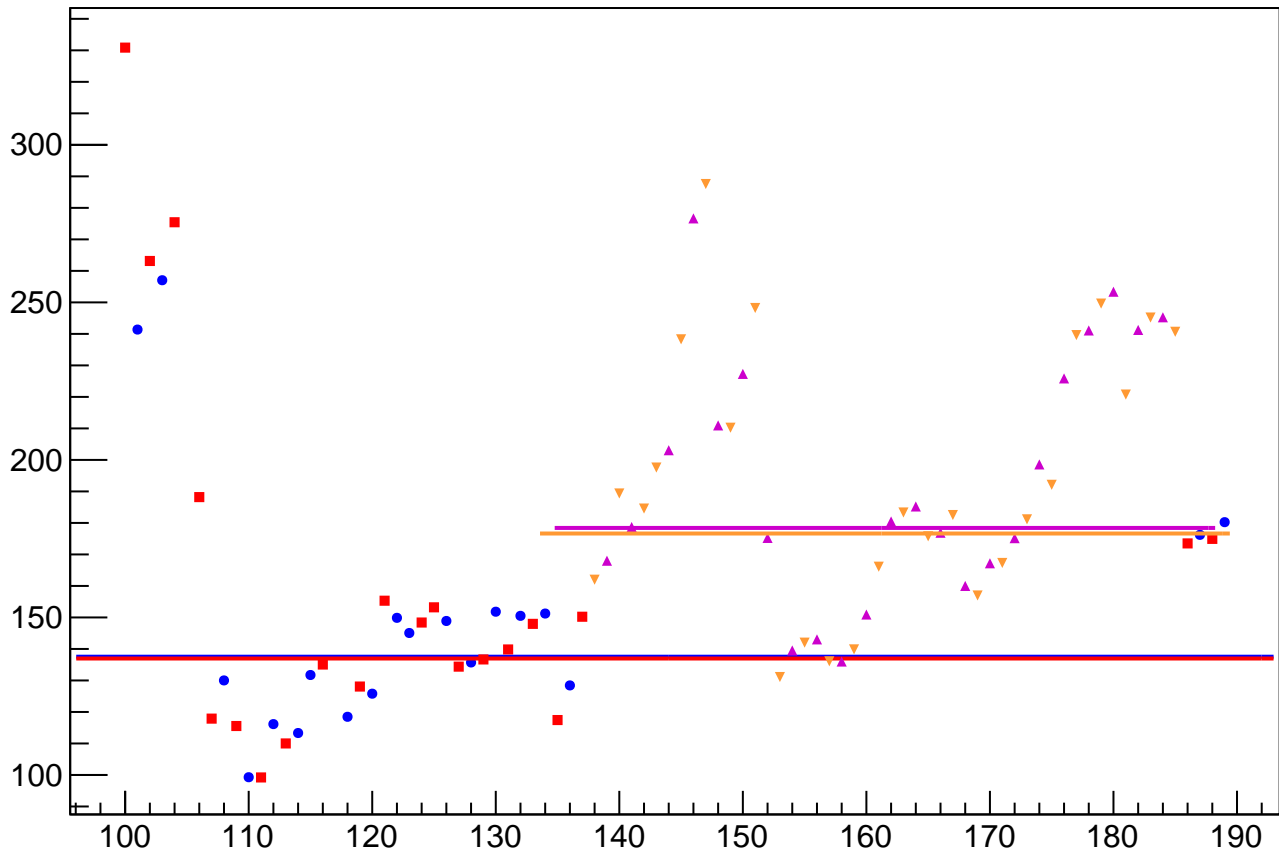
Left In: 8273.228+/-44.301 χ^2 /NDF:22870.2/22

+ sign -691.950+/-33.208 χ^2 /NDF: 106955.6/43

All: 1990.289+/-23.430 χ^2 /NDF: 237803.4/87

- sign 4649.053+/-33.063 χ^2 /NDF: 117857.3/43

asym_bpm0i02WS_rms vs Slug



Right In: 137.539 \pm 0.038 χ^2 /NDF: 729283.6/18

Left Out: 176.641 \pm 0.030 χ^2 /NDF:1551048.8/24

Right Out: 136.968 \pm 0.035 χ^2 /NDF: 959093.6/20

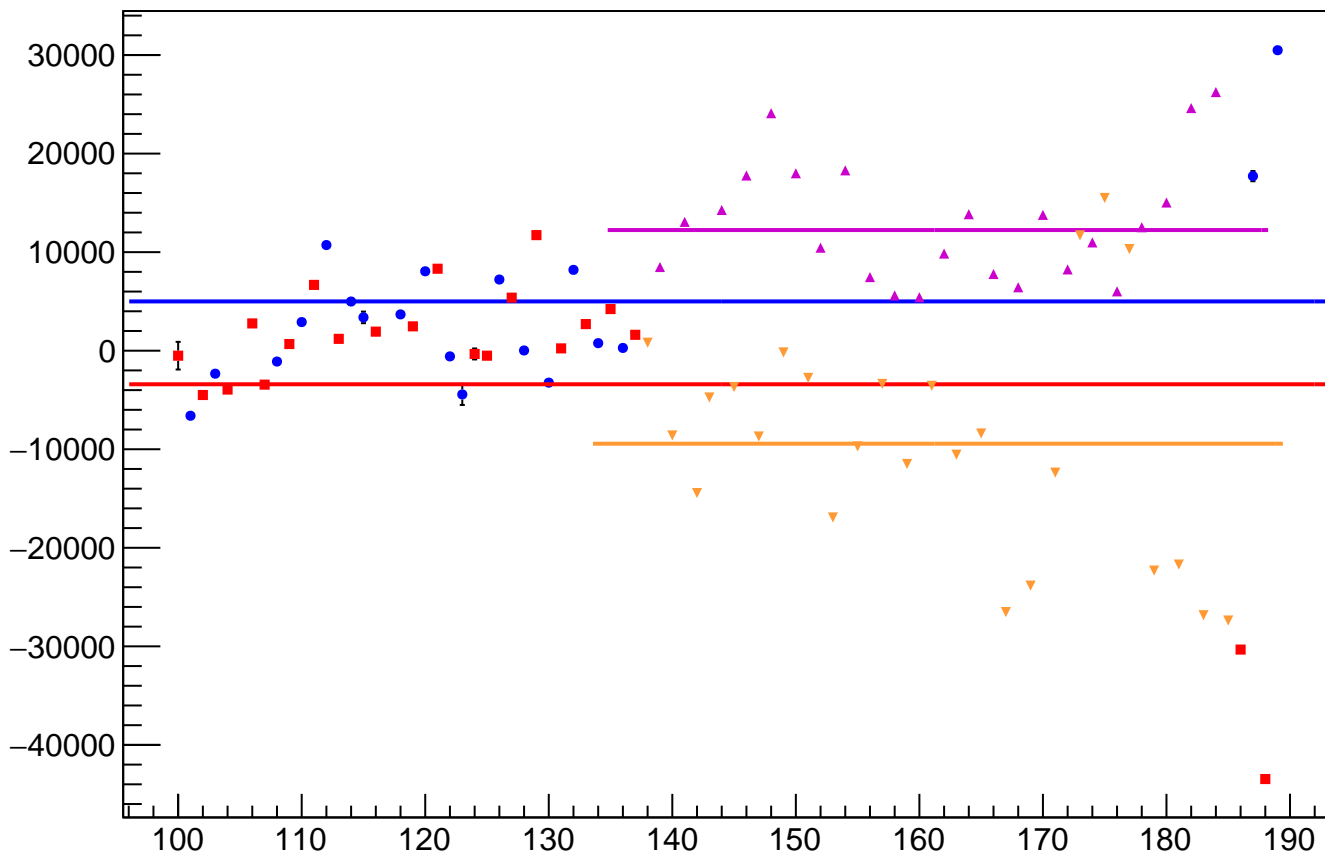
Left In: 178.413 \pm 0.031 χ^2 /NDF:1293736.2/22

+ sign 161.495 \pm 0.023 χ^2 /NDF: 2938358.5/43

All: 160.770 \pm 0.017 χ^2 /NDF: 5968556.3/87

- sign 160.053 \pm 0.023 χ^2 /NDF: 3028303.2/43

asym_bpm0i02aWS_mean vs Slug



Right In: 5000.320+/-67.782 χ^2 /NDF: 15402.1/18

Left Out: -9437.408+/-45.534 χ^2 /NDF:62220.4/24

Right Out: -3406.433+/-61.030 χ^2 /NDF: 65720.1/20

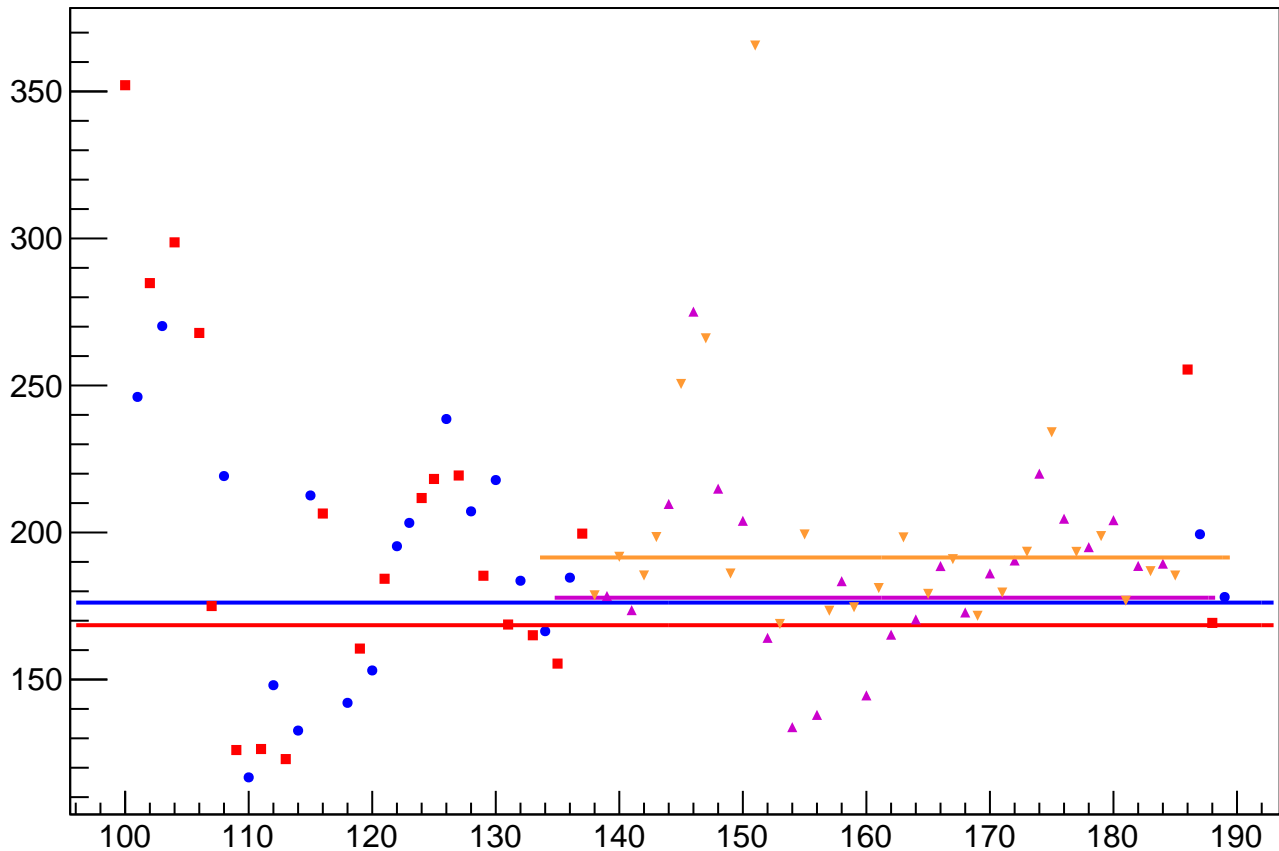
Left In: 12242.226+/-43.944 χ^2 /NDF:16615.8/22

+ sign -4947.971+/-37.798 χ^2 /NDF: 108884.1/43

All: 1319.762+/-25.939 χ^2 /NDF: 286492.5/87

- sign 6899.139+/-35.662 χ^2 /NDF: 125633.3/43

asym_bpm0i02aWS_rms vs Slug



Right In: 176.161 \pm 0.048 χ^2 /NDF: 692130.0/18

Left Out: 191.507 \pm 0.032 χ^2 /NDF: 727251.6/24

Right Out: 168.471 \pm 0.043 χ^2 /NDF: 1016078.3/20

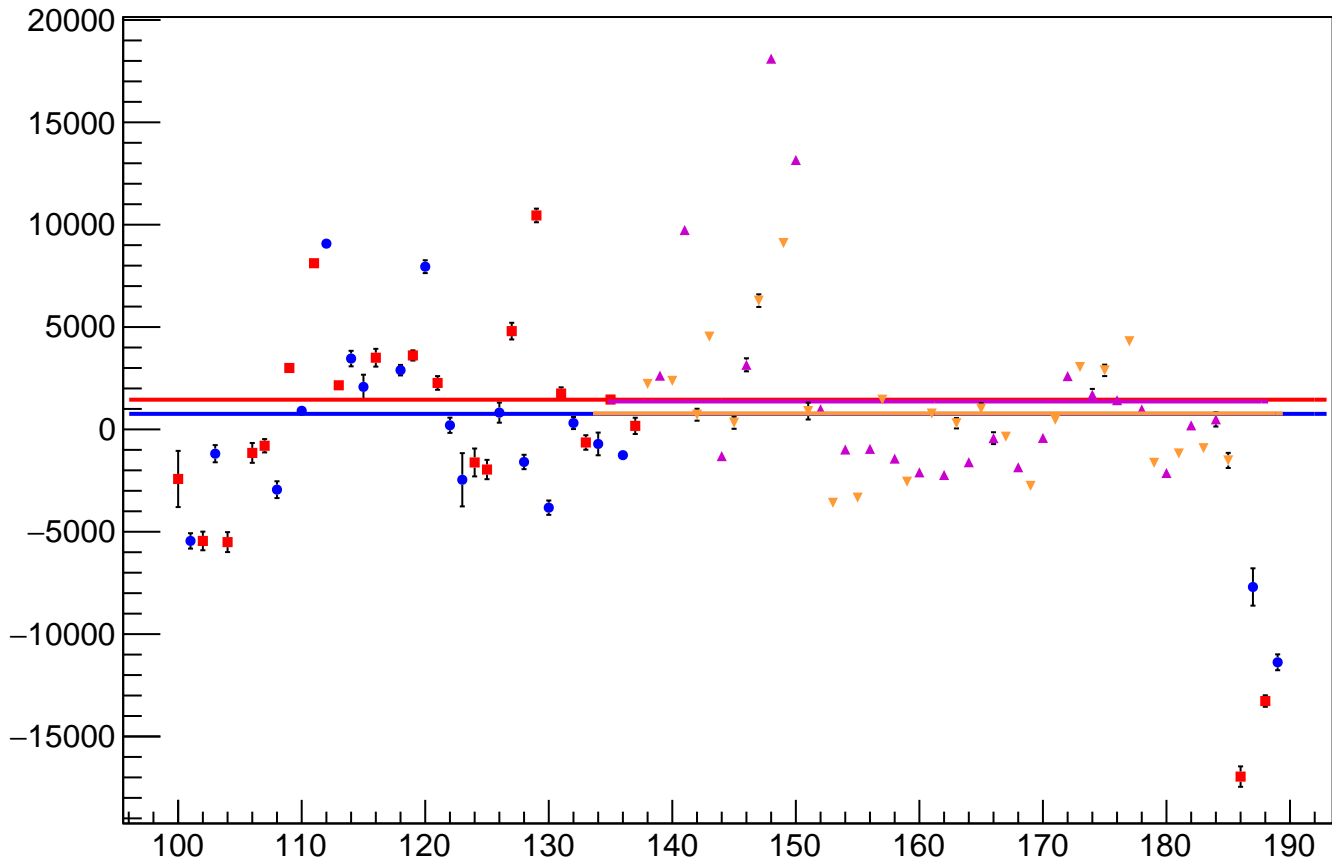
Left In: 177.821 \pm 0.031 χ^2 /NDF: 862494.4/22

+ sign 186.735 \pm 0.027 χ^2 /NDF: 1490021.3/43

All: 180.330 \pm 0.018 χ^2 /NDF: 3508049.3/87

- sign 174.629 \pm 0.025 χ^2 /NDF: 1909487.6/43

asym_bpm0i05WS_mean vs Slug



Right In: 759.226 \pm 75.568 χ^2 /NDF: 3765.5/18

Left Out: 779.983 \pm 47.457 χ^2 /NDF: 4260.8/24

Right Out: 1451.389 \pm 67.310 χ^2 /NDF: 6941.5/20

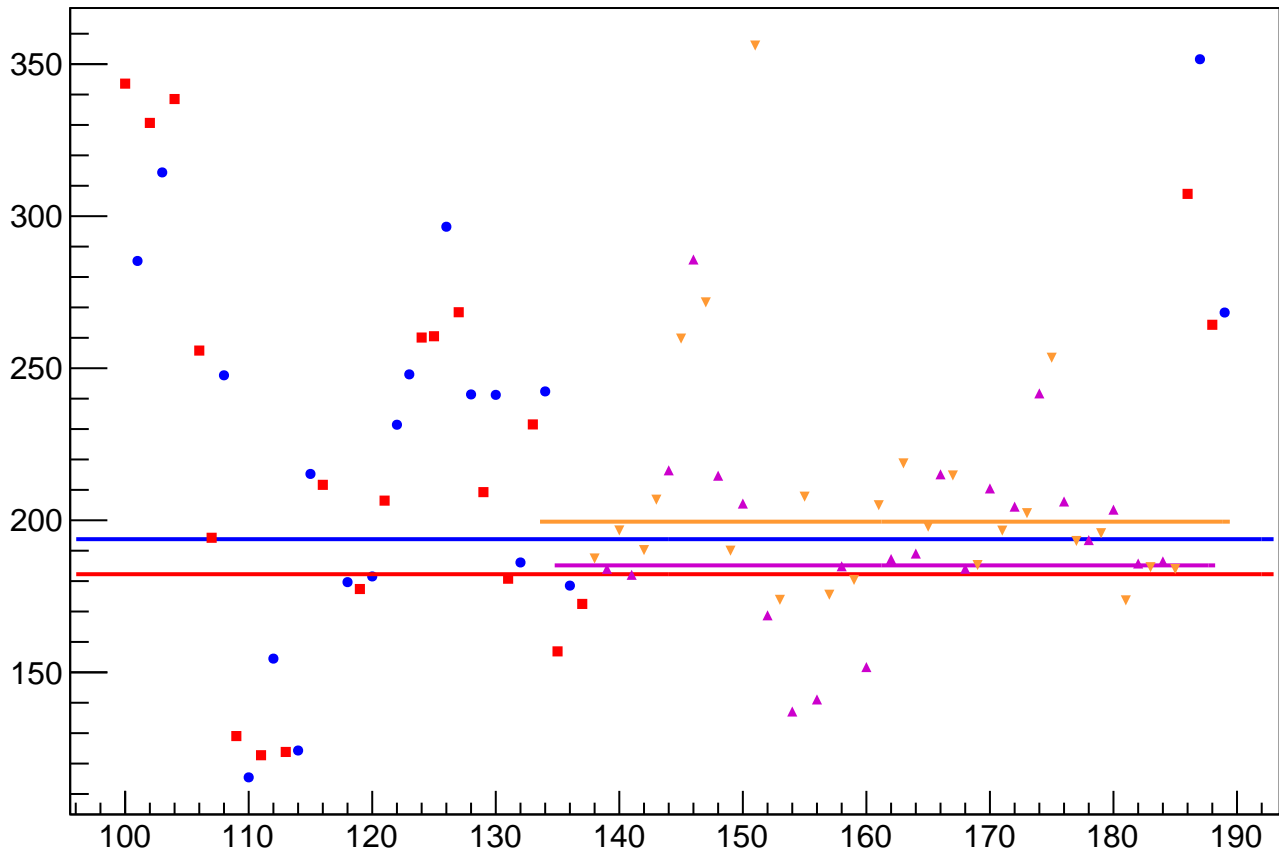
Left In: 1363.043 \pm 45.807 χ^2 /NDF: 11632.9/22

+ sign 774.112 \pm 40.189 χ^2 /NDF: 8026.3/43

All: 1100.878 \pm 27.561 χ^2 /NDF: 26726.7/87

- sign 1391.007 \pm 37.869 χ^2 /NDF: 18575.5/43

asym_bpm0i05WS_rms vs Slug



Right In: 193.788 ± 0.053 $\chi^2/\text{NDF}: 1116703.6/18$

Left Out: 199.547 ± 0.034 $\chi^2/\text{NDF}: 729356.3/24$

Right Out: 182.270 ± 0.048 $\chi^2/\text{NDF}: 1610863.2/20$

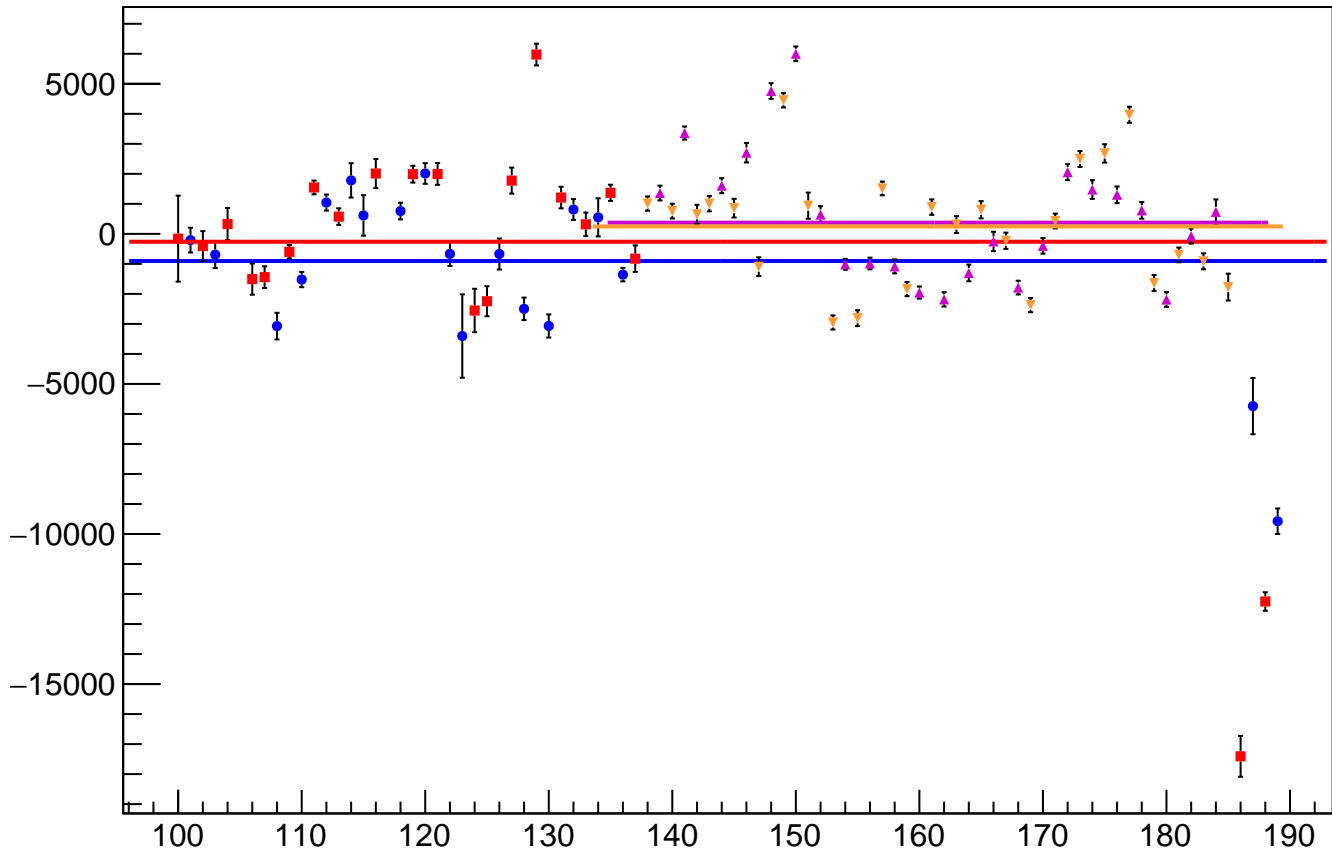
Left In: 185.171 ± 0.032 $\chi^2/\text{NDF}: 882752.2/22$

+ sign 197.918 ± 0.028 $\chi^2/\text{NDF}: 1854389.9/43$

All: 190.679 ± 0.019 $\chi^2/\text{NDF}: 4473026.4/87$

- sign 184.253 ± 0.027 $\chi^2/\text{NDF}: 2496153.2/43$

asym_bpm0i07WS_mean vs Slug



Right In: -904.794 ± 86.550 $\chi^2/\text{NDF}: 748.2/18$

Left Out: 247.844 ± 53.555 $\chi^2/\text{NDF}: 1355.1/24$

Right Out: -261.608 ± 78.921 $\chi^2/\text{NDF}: 2762.3/20$

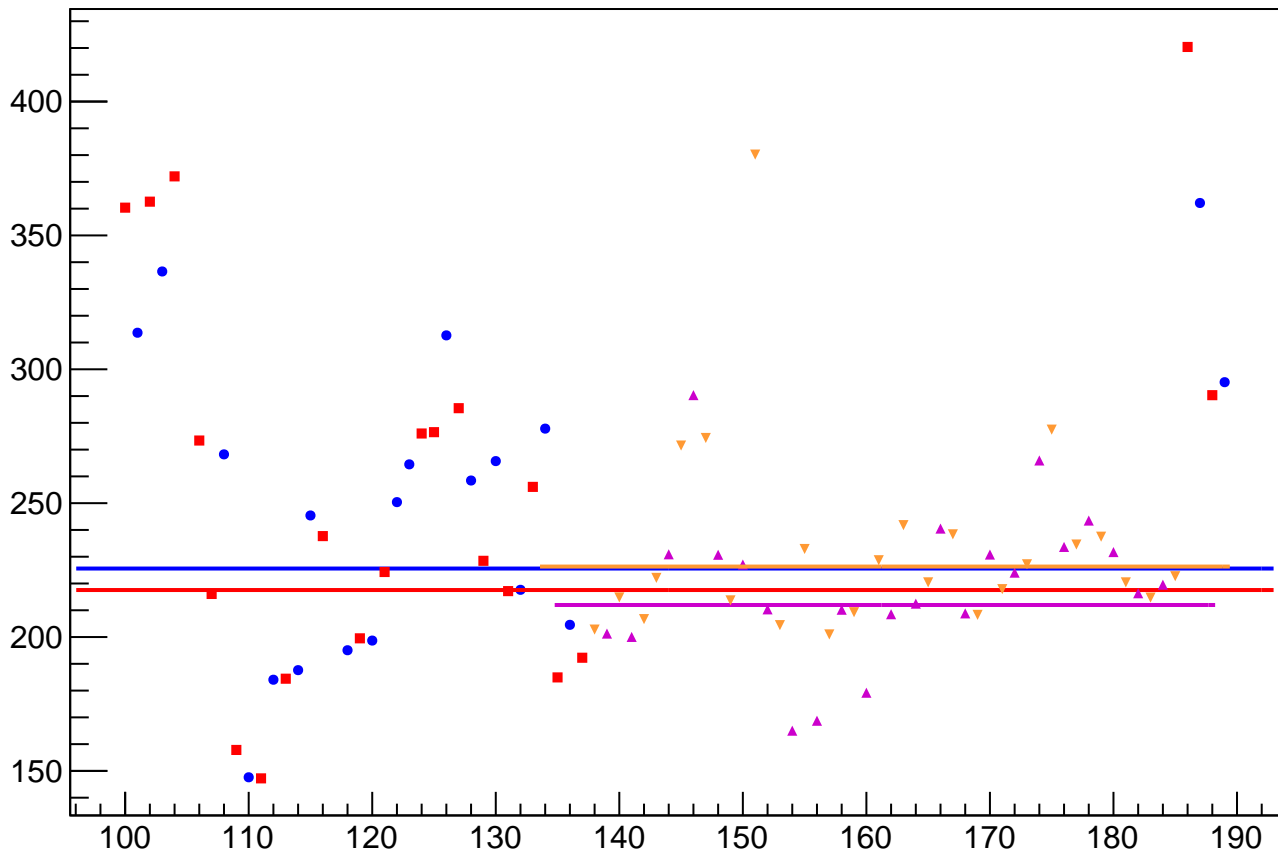
Left In: 374.122 ± 52.049 $\chi^2/\text{NDF}: 1801.0/22$

+ sign -71.287 ± 45.542 $\chi^2/\text{NDF}: 2231.5/43$

All: 61.004 ± 31.437 $\chi^2/\text{NDF}: 6856.2/87$

- sign 181.425 ± 43.450 $\chi^2/\text{NDF}: 4608.6/43$

asym_bpm0i07WS_rms vs Slug



Right In: 225.585 \pm 0.061 χ^2 /NDF: 745846.6/18

Left Out: 226.322 \pm 0.038 χ^2 /NDF: 521041.8/24

+ sign 226.118 \pm 0.032 χ^2 /NDF: 1266993.1/43

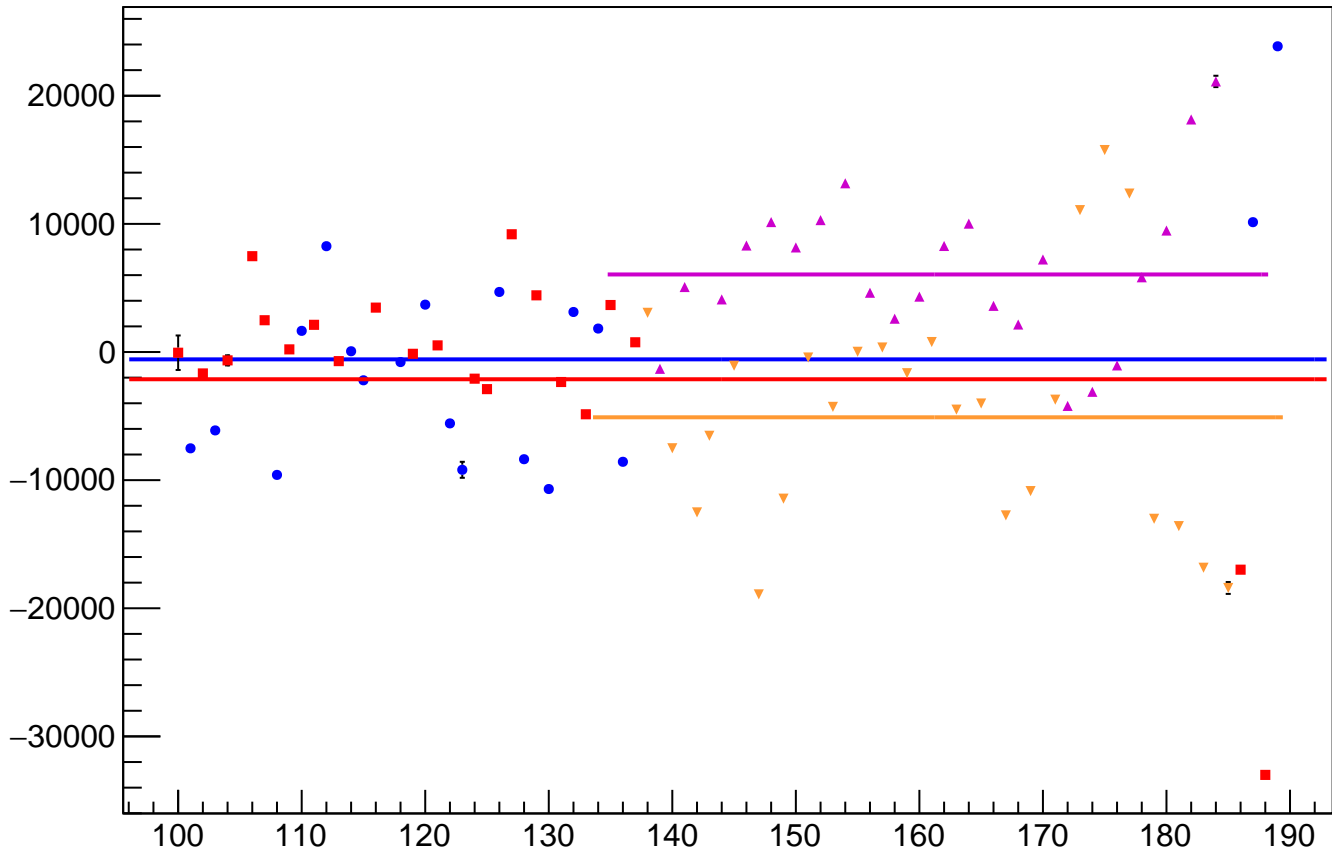
Right Out: 217.557 \pm 0.056 χ^2 /NDF: 1187469.1/20

All: 219.598 \pm 0.022 χ^2 /NDF: 3124088.7/87

- sign 213.664 \pm 0.031 χ^2 /NDF: 1778799.2/43

Left In: 211.970 \pm 0.037 χ^2 /NDF: 584344.5/22

asym_bpm1i02WS_mean vs Slug



Right In: -573.110 ± 45.816 $\chi^2/\text{NDF}: 32640.7/18$

Left Out: -5095.305 ± 33.703 $\chi^2/\text{NDF}: 54395.4/24$

Right Out: -2125.844 ± 42.298 $\chi^2/\text{NDF}: 59450.8/20$

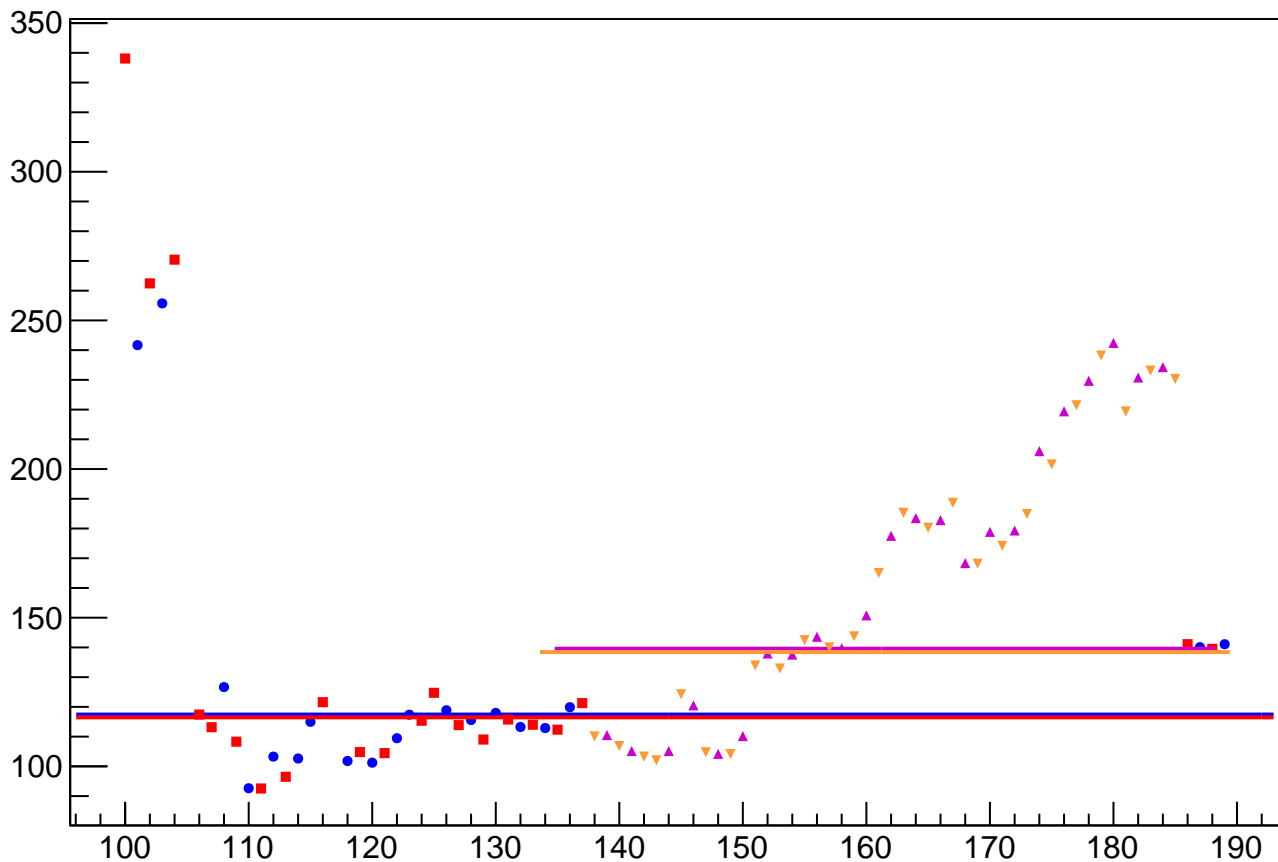
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -3507.438 ± 27.149 $\chi^2/\text{NDF}: 93357.5/43$

All: -367.696 ± 19.132 $\chi^2/\text{NDF}: 219163.8/87$

- sign 2729.548 ± 26.965 $\chi^2/\text{NDF}: 99238.3/43$

asym_bpm1i02WS_rms vs Slug



Right In: 117.422 \pm 0.032 χ^2 /NDF: 780564.1/18

Left Out: 138.436 \pm 0.024 χ^2 /NDF:2549435.8/24

Right Out: 116.486 \pm 0.030 χ^2 /NDF: 876193.5/20

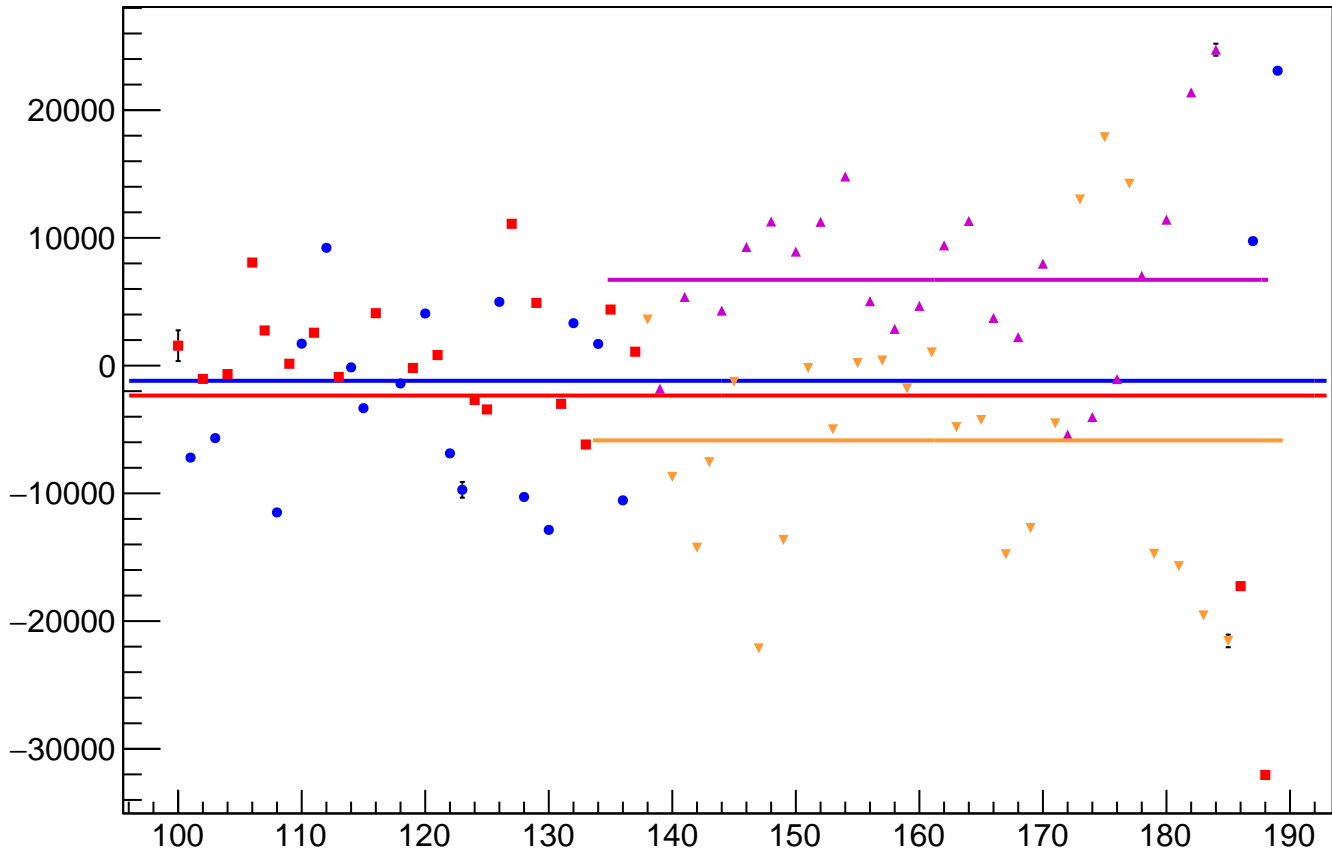
Left In: 139.578 \pm 0.025 χ^2 /NDF:2413658.9/22

+ sign 131.057 \pm 0.019 χ^2 /NDF: 3603003.2/43

All: 130.622 \pm 0.014 χ^2 /NDF: 7247713.3/87

- sign 130.193 \pm 0.019 χ^2 /NDF: 3643691.3/43

asym_bpm2i01WS_mean vs Slug



Right In: -1187.988 ± 46.599 $\chi^2/\text{NDF}: 37999.0/18$

Left Out: -5852.544 ± 35.880 $\chi^2/\text{NDF}: 63411.4/24$

+ sign -4116.432 ± 28.429 $\chi^2/\text{NDF}: 107701.0/43$

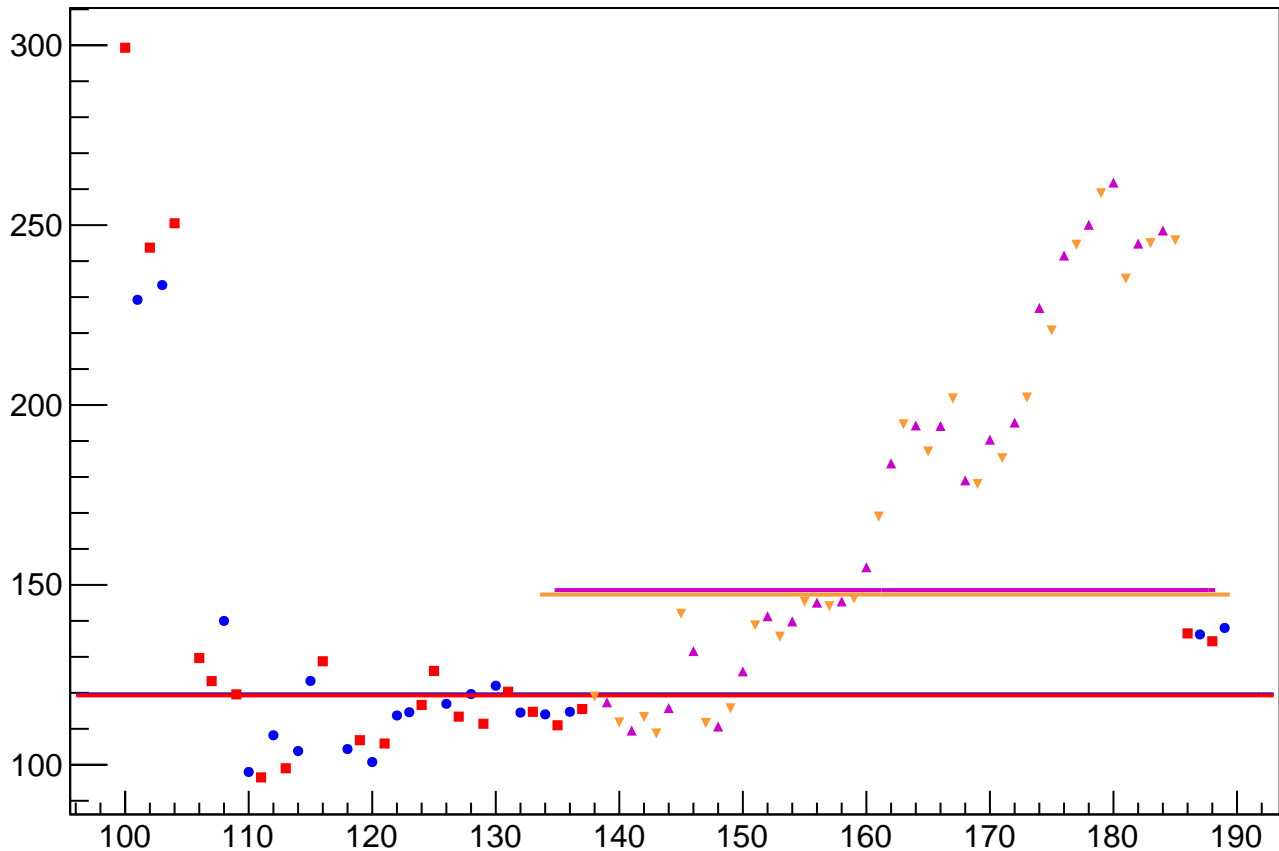
Right Out: -2343.297 ± 43.249 $\chi^2/\text{NDF}: 62695.8/20$

All: -606.330 ± 20.034 $\chi^2/\text{NDF}: 246802.5/87$

- sign 2856.136 ± 28.236 $\chi^2/\text{NDF}: 108819.3/43$

Left In: 6718.475 ± 37.276 $\chi^2/\text{NDF}: 20934.3/22$

asym_bpm2i01WS_rms vs Slug



Right In: 119.574 \pm 0.033 χ^2 /NDF: 659419.8/18

Left Out: 147.317 \pm 0.025 χ^2 /NDF:2511679.9/24

Right Out: 119.291 \pm 0.031 χ^2 /NDF: 728878.9/20

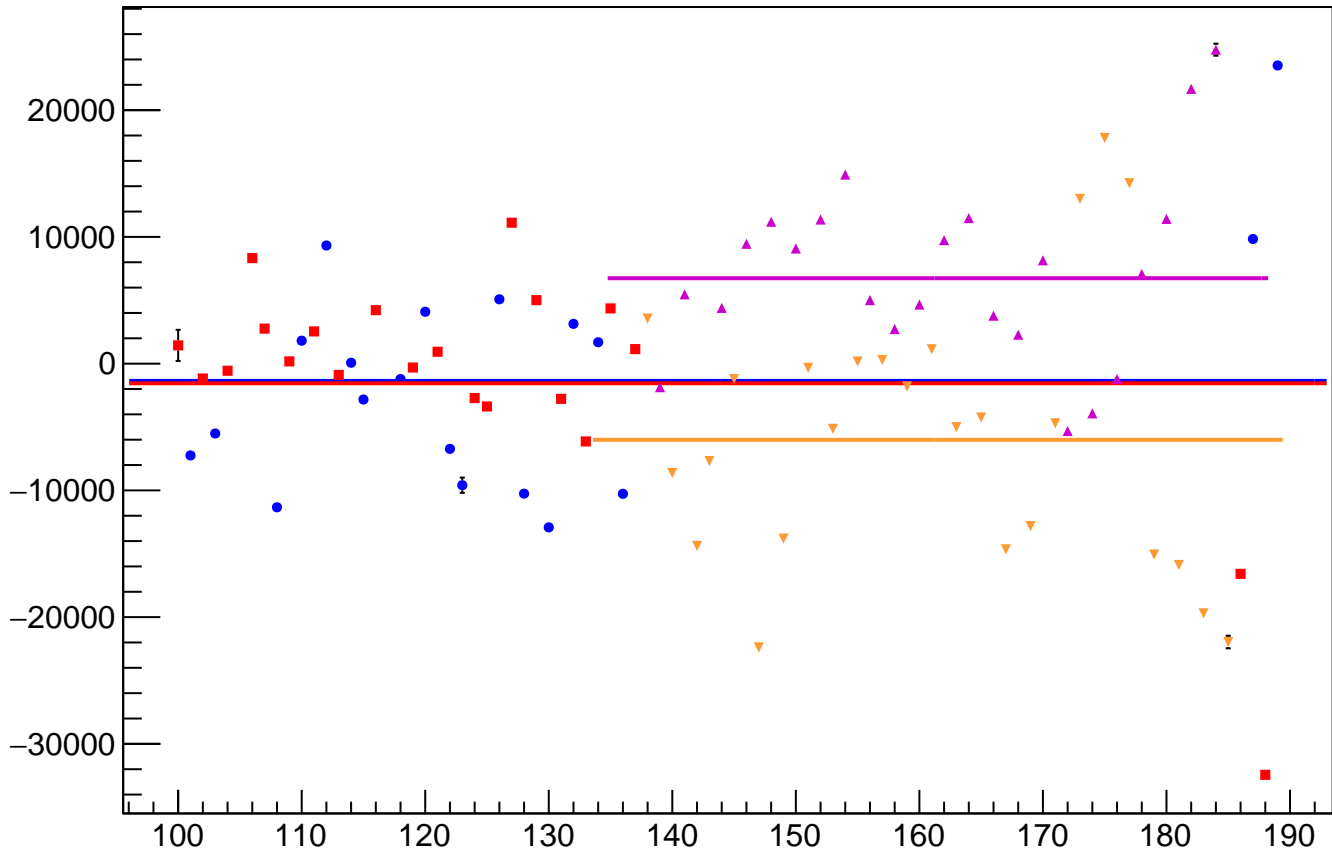
Left In: 148.569 \pm 0.026 χ^2 /NDF:2393185.0/22

+ sign 136.991 \pm 0.020 χ^2 /NDF: 3616149.3/43

All: 136.537 \pm 0.014 χ^2 /NDF: 7265112.4/87

- sign 136.090 \pm 0.020 χ^2 /NDF: 3647950.3/43

asym_bpm2i02WS_mean vs Slug



Right In: -1362.049 ± 45.053 $\chi^2/\text{NDF}: 37971.3/18$

Left Out: -6009.913 ± 35.082 $\chi^2/\text{NDF}: 67852.2/24$

Right Out: -1547.166 ± 42.052 $\chi^2/\text{NDF}: 56695.8/20$

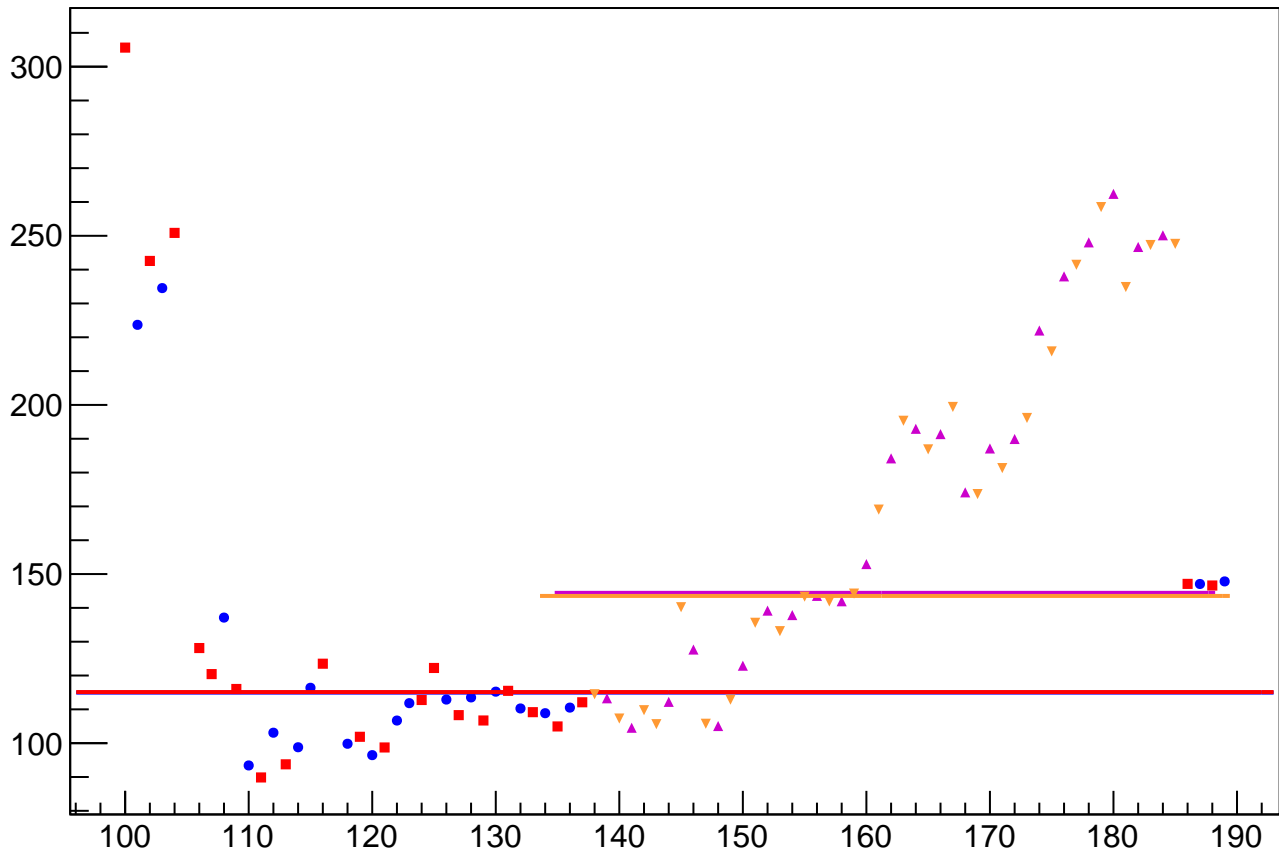
Left In: 6740.666 ± 36.379 $\chi^2/\text{NDF}: 22071.8/22$

+ sign -4255.487 ± 27.680 $\chi^2/\text{NDF}: 112449.0/43$

All: -508.619 ± 19.513 $\chi^2/\text{NDF}: 249857.8/87$

- sign 3193.068 ± 27.513 $\chi^2/\text{NDF}: 100983.6/43$

asym_bpm2i02WS_rms vs Slug



Right In: 114.956 \pm 0.032 χ^2 /NDF: 745248.8/18

Left Out: 143.531 \pm 0.025 χ^2 /NDF:2704790.3/24

Right Out: 115.110 \pm 0.030 χ^2 /NDF: 895338.3/20

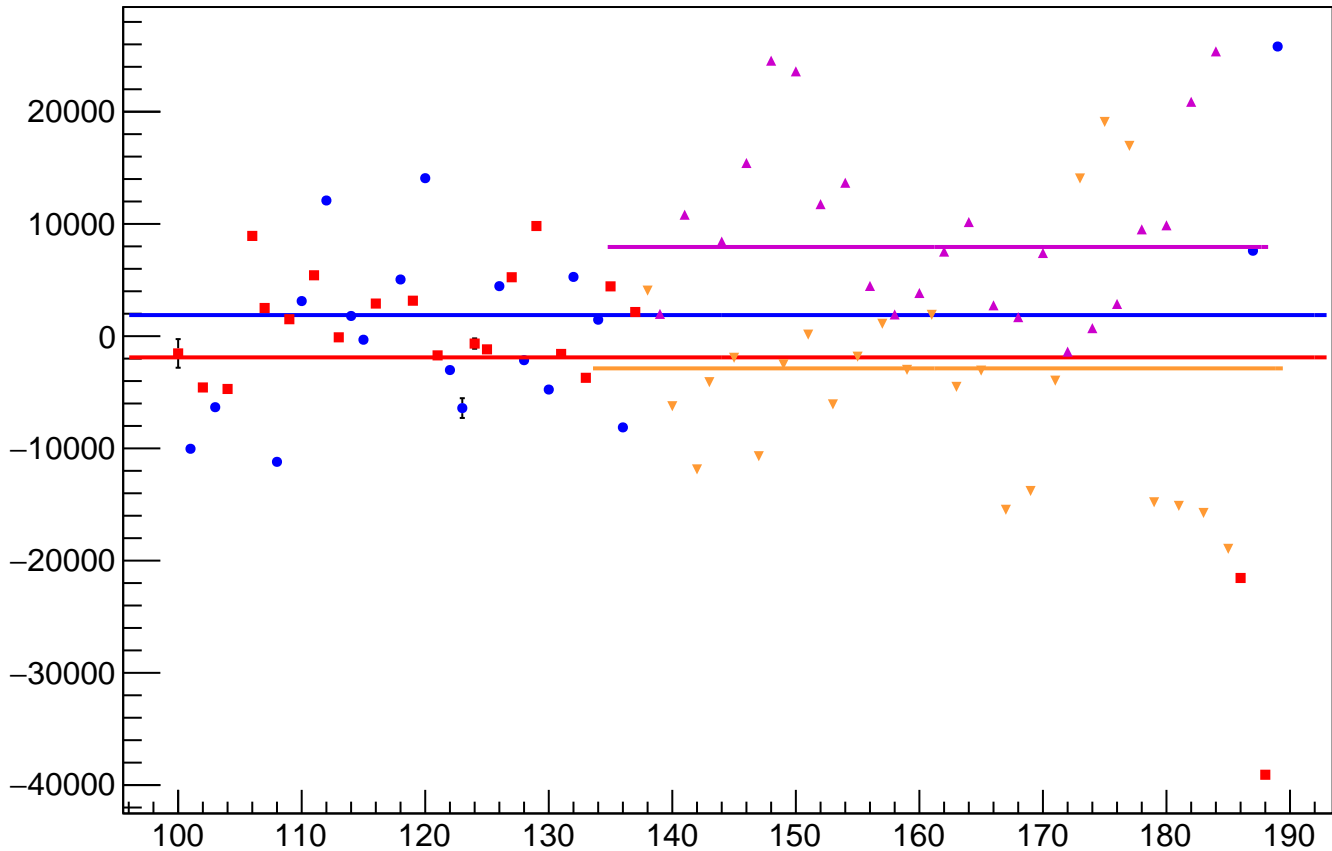
Left In: 144.440 \pm 0.026 χ^2 /NDF:2586926.1/22

+ sign 132.745 \pm 0.020 χ^2 /NDF: 3950875.6/43

All: 132.312 \pm 0.014 χ^2 /NDF: 7990576.3/87

- sign 131.885 \pm 0.019 χ^2 /NDF: 4038730.3/43

asym_bpm0i01WS_mean vs Slug



Right In: 1878.604+/-54.415 χ^2 /NDF: 27858.7/18

Left Out: -2870.473+/-39.482 χ^2 /NDF:46420.3/24

Right Out: -1890.058+/-50.858 χ^2 /NDF: 56210.3/20

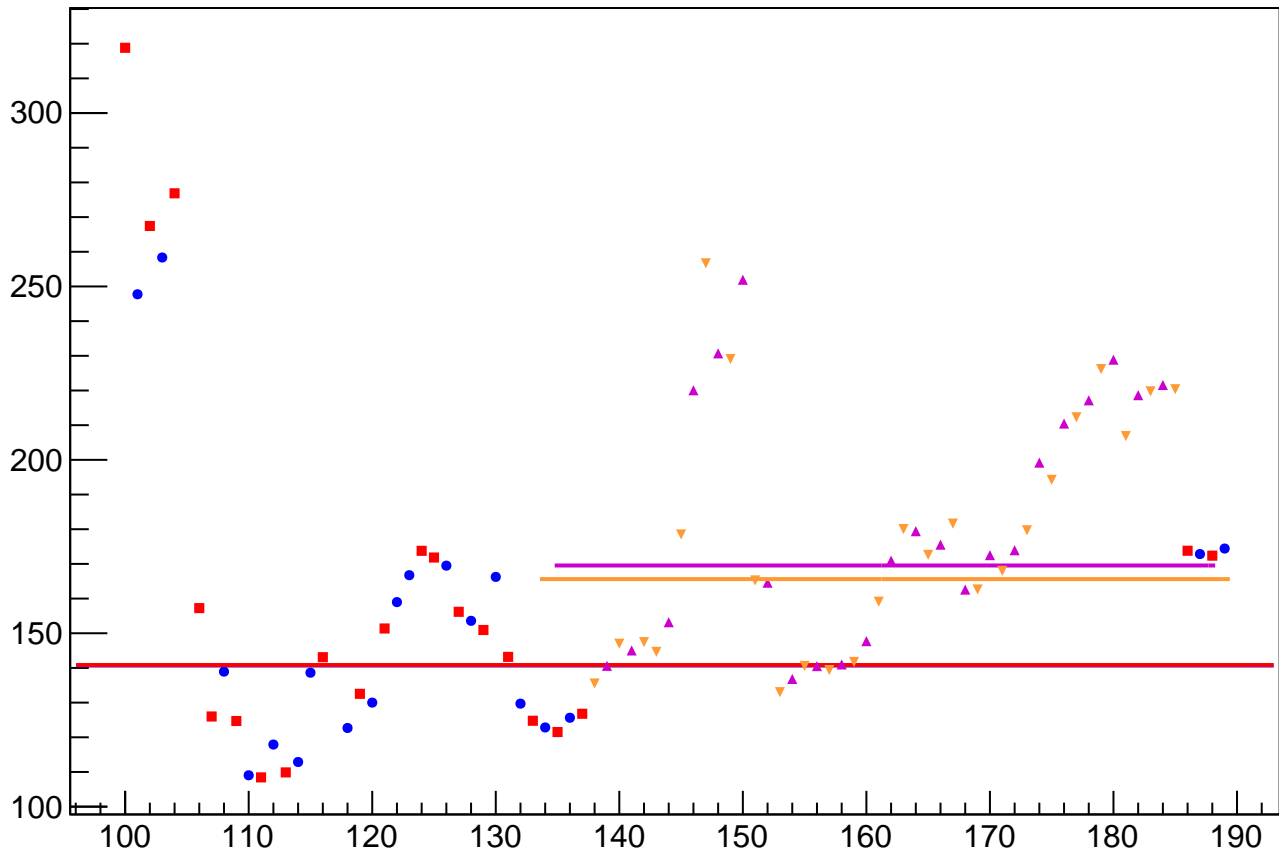
Left In: 7947.160+/-41.726 χ^2 /NDF:23874.5/22

+ sign -1232.584+/-31.957 χ^2 /NDF: 79268.9/43

All: 1353.946+/-22.703 χ^2 /NDF: 194941.5/87

- sign 3989.570+/-32.258 χ^2 /NDF: 102446.0/43

asym_bpm0i01WS_rms vs Slug



Right In: 140.713 \pm 0.038 χ^2 /NDF: 716395.5/18

Left Out: 165.616 \pm 0.028 χ^2 /NDF: 1144779.3/24

Right Out: 140.837 \pm 0.036 χ^2 /NDF: 848897.1/20

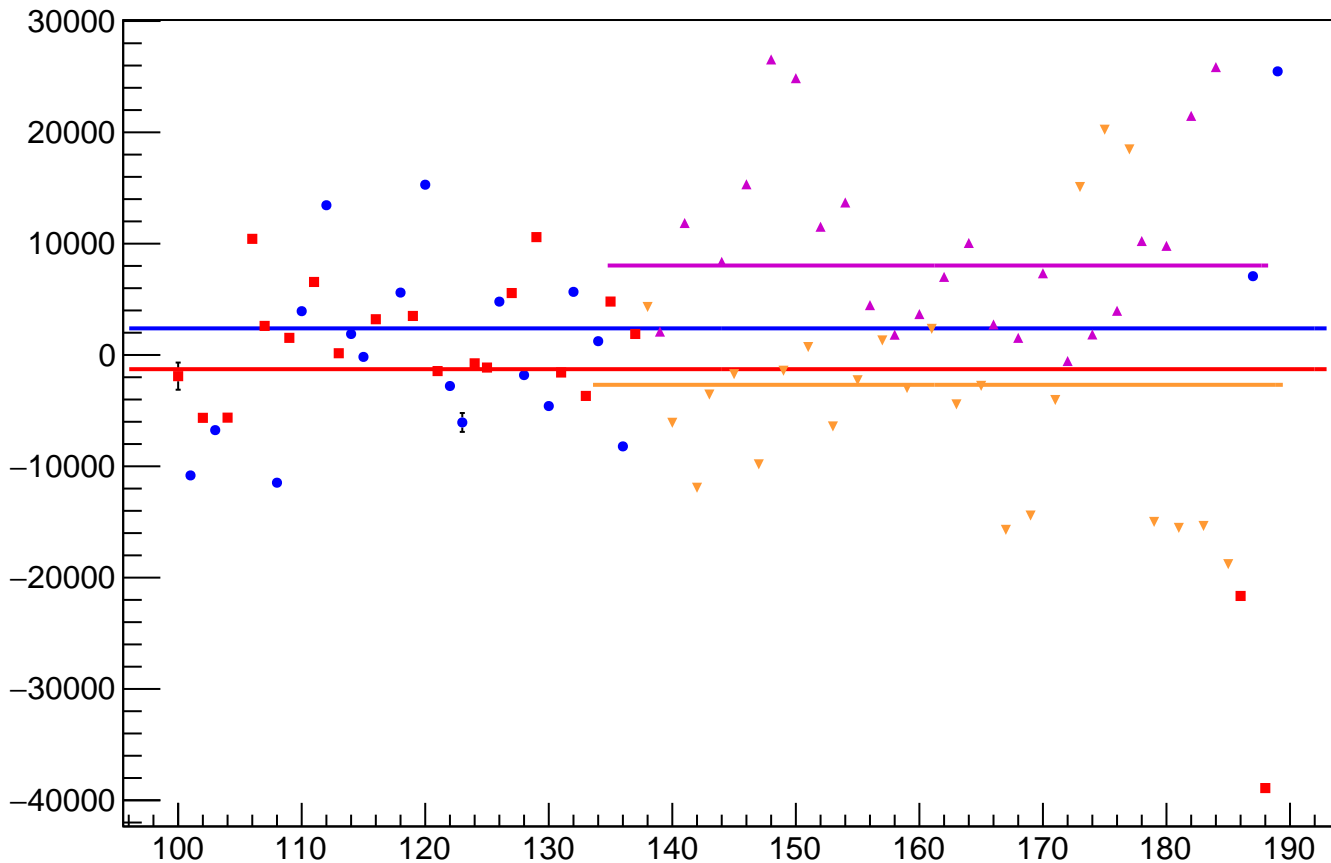
Left In: 169.542 \pm 0.030 χ^2 /NDF: 1159241.9/22

+ sign 157.028 \pm 0.023 χ^2 /NDF: 2135597.3/43

All: 157.506 \pm 0.016 χ^2 /NDF: 4525423.2/87

- sign 157.994 \pm 0.023 χ^2 /NDF: 2388920.6/43

asym_bpm0i01aWS_mean vs Slug



Right In: 2390.763+/-45.311 χ^2 /NDF: 42352.8/18

Left Out: -2680.012+/-35.764 χ^2 /NDF:56820.4/24

Right Out: -1274.578+/-41.947 χ^2 /NDF: 79944.9/20

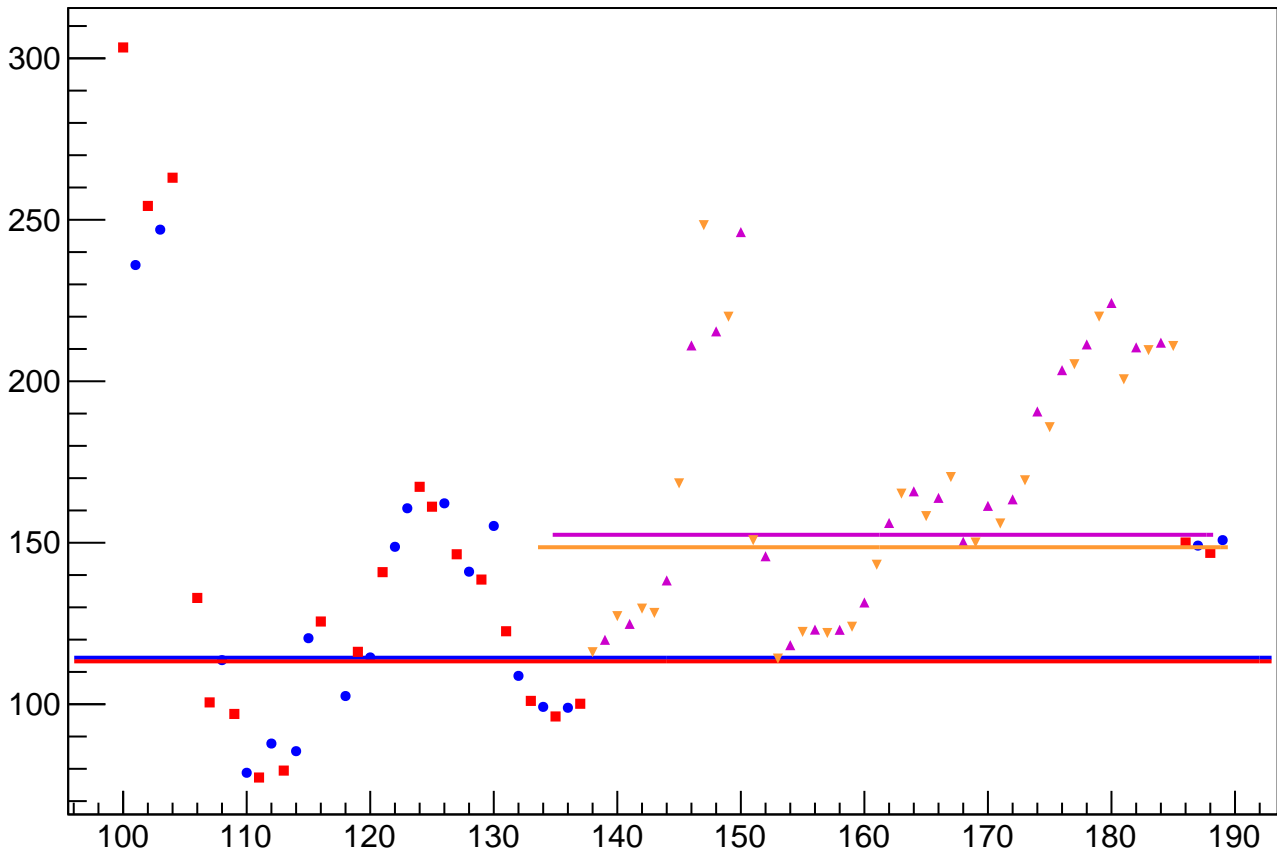
Left In: 8036.826+/-37.924 χ^2 /NDF:29261.6/22

+ sign -733.597+/-28.073 χ^2 /NDF: 106889.8/43

All: 1552.848+/-19.871 χ^2 /NDF: 256504.5/87

- sign 3848.869+/-28.131 χ^2 /NDF: 136319.7/43

asym_bpm0i01aWS_rms vs Slug



Right In: 114.400 \pm 0.032 χ^2 /NDF: 1199106.3/18

Left Out: 148.611 \pm 0.025 χ^2 /NDF:1685424.1/24

Right Out: 113.272 \pm 0.030 χ^2 /NDF: 1417168.4/20

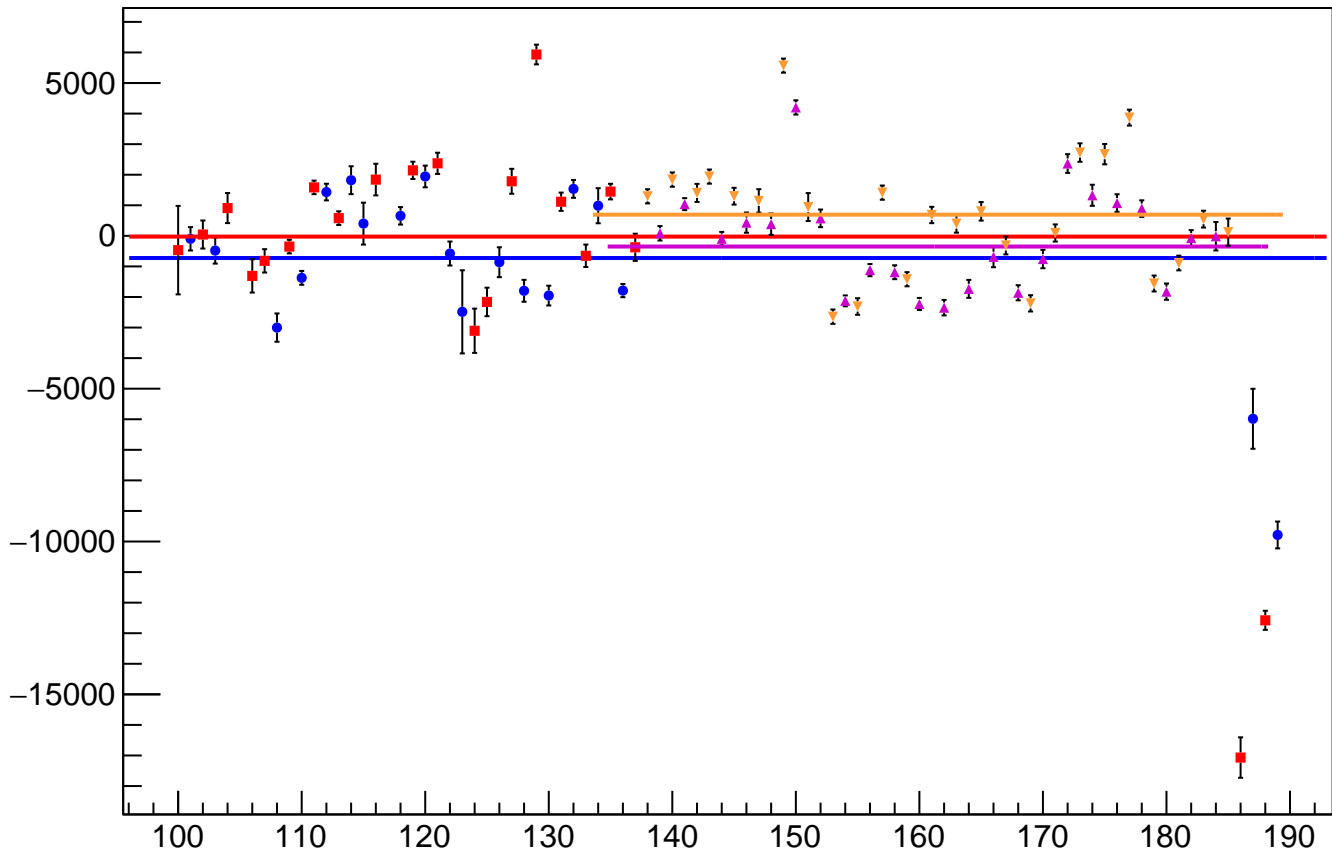
Left In: 152.463 \pm 0.027 χ^2 /NDF:1691517.7/22

+ sign 135.479 \pm 0.020 χ^2 /NDF: 3587024.9/43

All: 135.158 \pm 0.014 χ^2 /NDF: 7656881.6/87

- sign 134.836 \pm 0.020 χ^2 /NDF: 4069334.2/43

asym_bpm0l01WS_mean vs Slug



Right In: -725.287 ± 82.228 $\chi^2/\text{NDF}: 784.6/18$

Left Out: 692.998 ± 54.303 $\chi^2/\text{NDF}: 1422.0/24$

Right Out: -24.433 ± 74.866 $\chi^2/\text{NDF}: 2932.4/20$

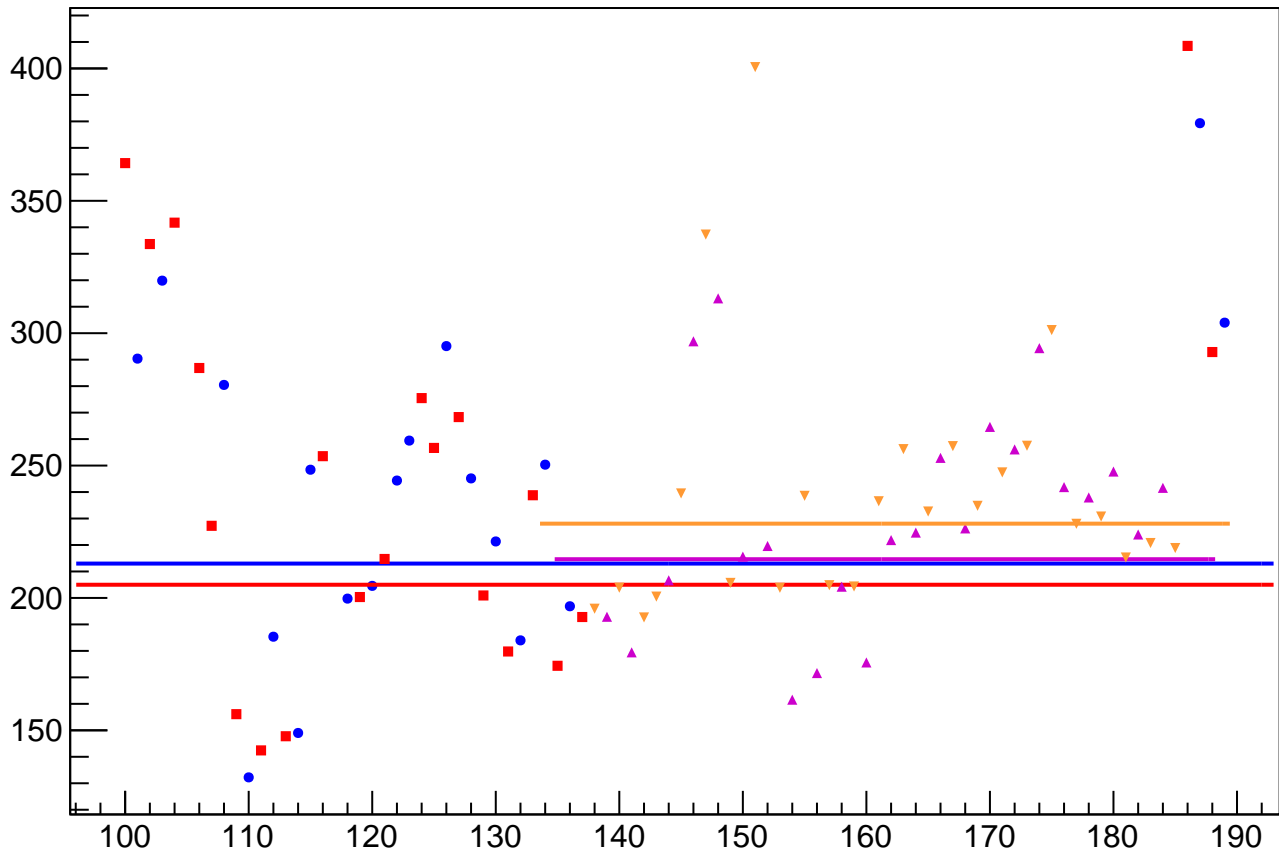
Left In: -349.623 ± 53.094 $\chi^2/\text{NDF}: 981.0/22$

+ sign 262.288 ± 45.314 $\chi^2/\text{NDF}: 2413.8/43$

All: -0.634 ± 31.309 $\chi^2/\text{NDF}: 6404.2/87$

- sign -240.802 ± 43.309 $\chi^2/\text{NDF}: 3925.9/43$

asym_bpm0l01WS_rms vs Slug



Right In: 212.981 \pm 0.058 χ^2 /NDF: 846206.2/18

Left Out: 228.061 \pm 0.038 χ^2 /NDF:826343.8/24

Right Out: 204.986 \pm 0.053 χ^2 /NDF: 1296139.8/20

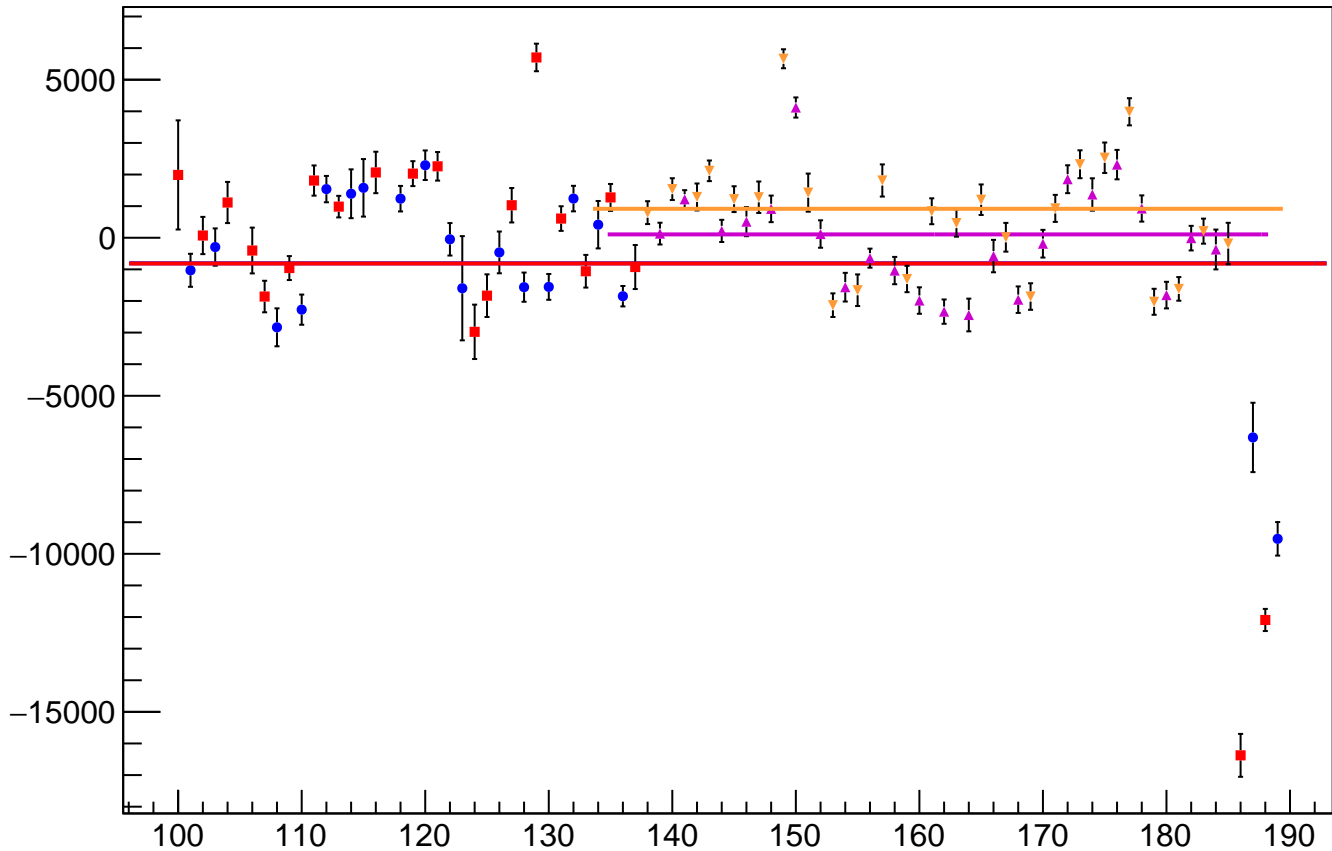
Left In: 214.627 \pm 0.038 χ^2 /NDF:1025683.3/22

+ sign 223.481 \pm 0.032 χ^2 /NDF: 1719388.5/43

All: 217.168 \pm 0.022 χ^2 /NDF: 4137565.9/87

- sign 211.401 \pm 0.031 χ^2 /NDF: 2343890.0/43

asym_bpm0l02WS_mean vs Slug



Right In: -808.493 ± 117.807 $\chi^2/\text{NDF}: 480.8/18$

Left Out: 915.968 ± 83.398 $\chi^2/\text{NDF}: 618.3/24$

Right Out: -814.814 ± 108.156 $\chi^2/\text{NDF}: 2037.2/20$

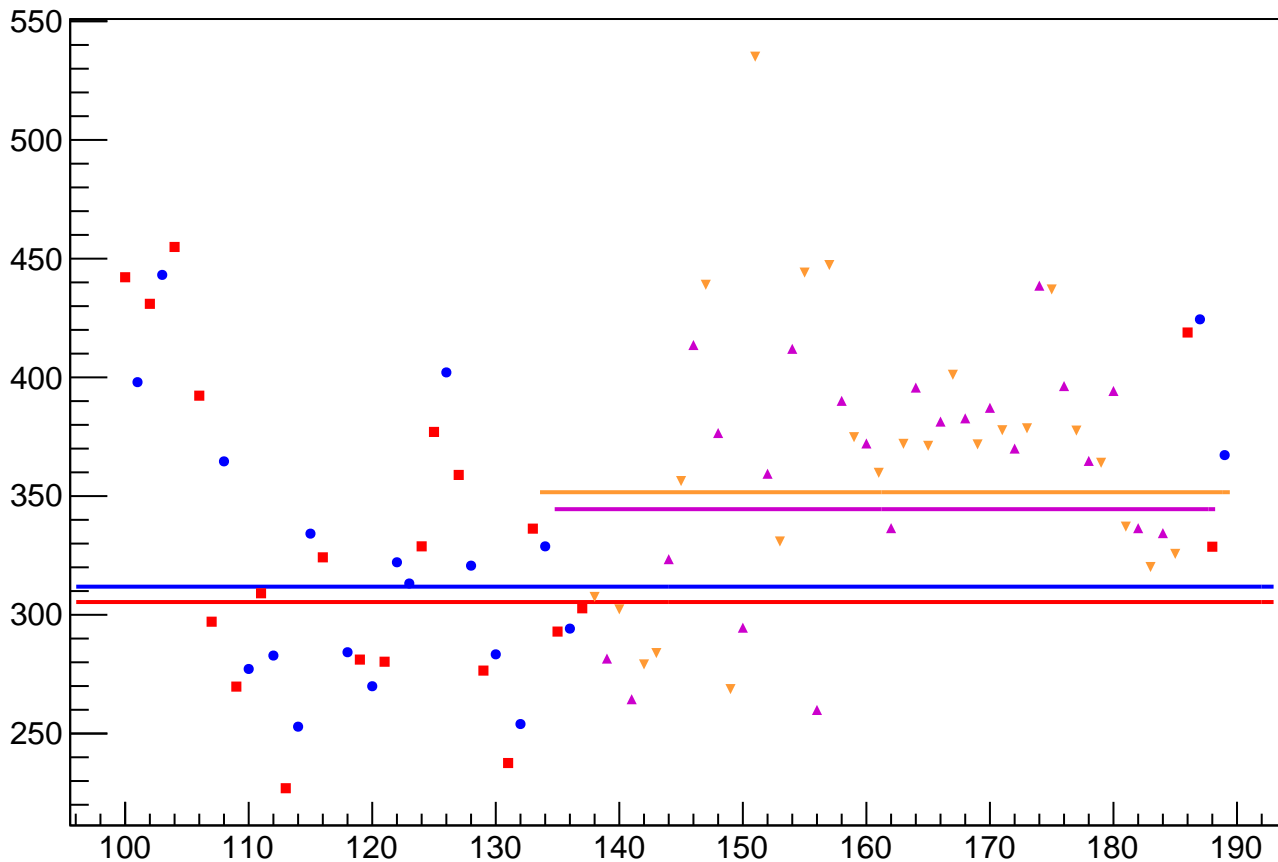
Left In: 106.116 ± 84.393 $\chi^2/\text{NDF}: 390.3/22$

+ sign 340.265 ± 68.068 $\chi^2/\text{NDF}: 1241.8/43$

All: 42.295 ± 47.580 $\chi^2/\text{NDF}: 3751.9/87$

- sign -242.400 ± 66.535 $\chi^2/\text{NDF}: 2472.6/43$

asym_bpm0l02WS_rms vs Slug



Right In: 311.858 \pm 0.083 χ^2 /NDF: 366900.1/18

Left Out: 351.633 \pm 0.059 χ^2 /NDF: 907849.3/24

Right Out: 305.381 \pm 0.076 χ^2 /NDF: 563403.4/20

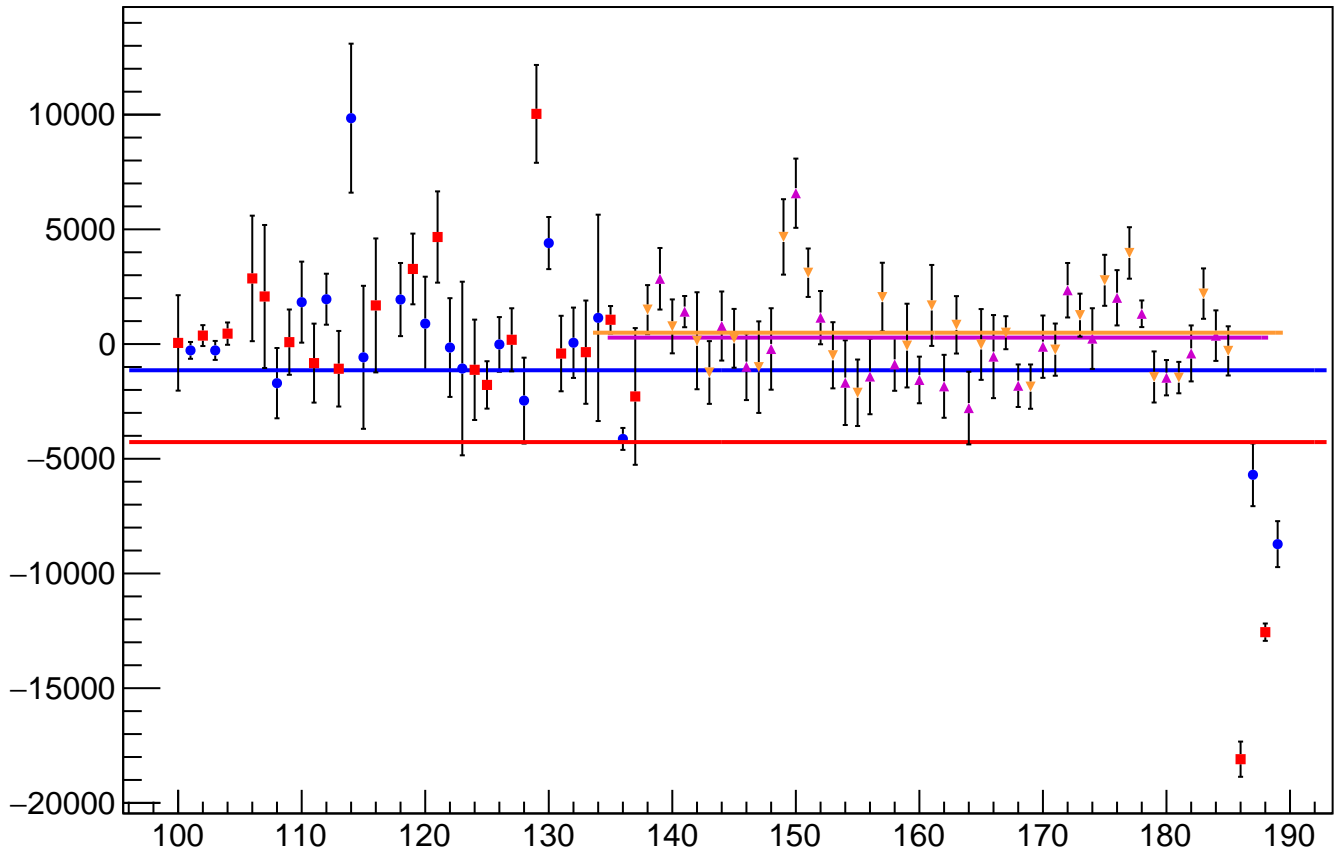
Left In: 344.491 \pm 0.060 χ^2 /NDF: 768885.4/22

+ sign 338.354 \pm 0.048 χ^2 /NDF: 1426620.7/43

All: 333.924 \pm 0.034 χ^2 /NDF: 2938030.1/87

- sign 329.690 \pm 0.047 χ^2 /NDF: 1494838.3/43

asym_bpm0l03WS_mean vs Slug



Right In: -1142.381 ± 203.700 $\chi^2/\text{NDF}: 170.7/18$

Left Out: 495.014 ± 231.058 $\chi^2/\text{NDF}: 56.2/24$

Right Out: -4273.032 ± 197.762 $\chi^2/\text{NDF}: 1235.5/20$

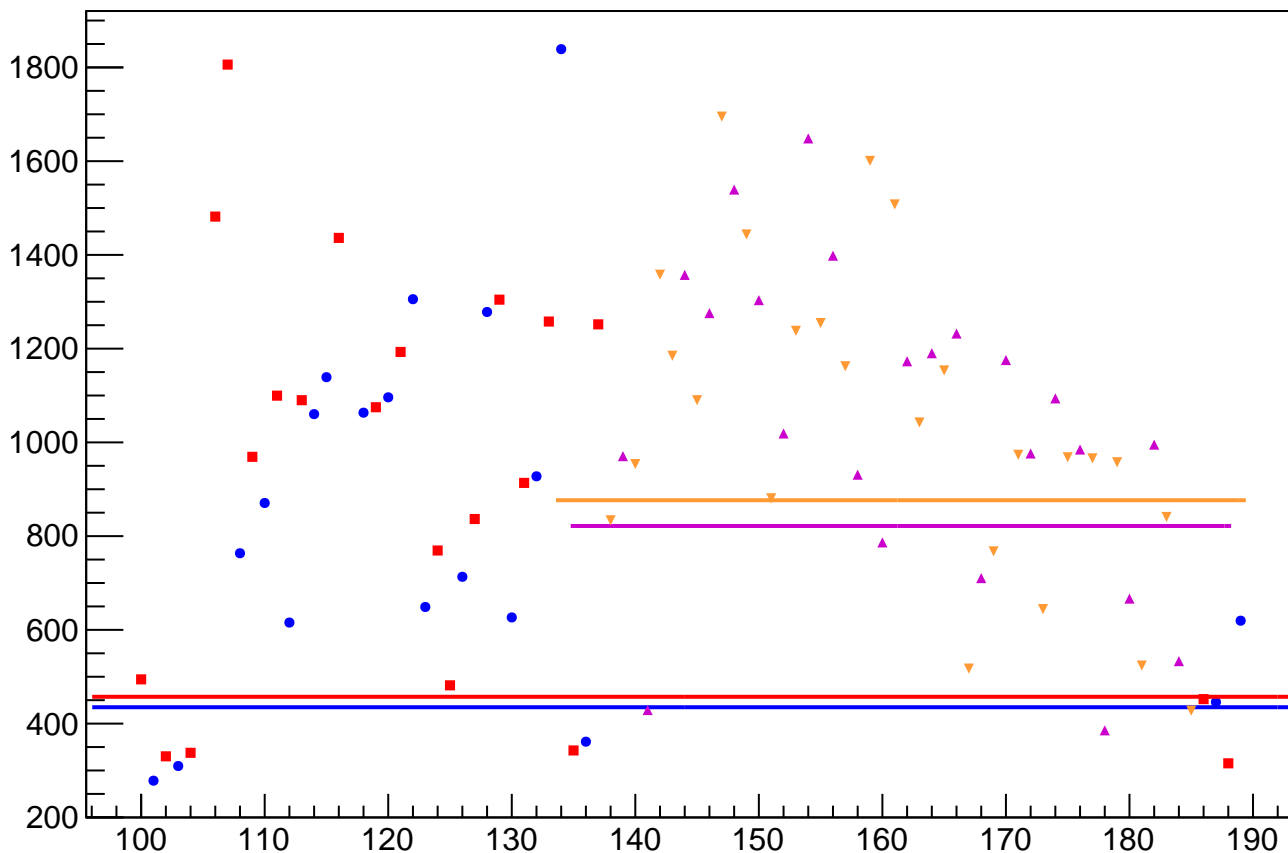
Left In: 280.692 ± 232.048 $\chi^2/\text{NDF}: 57.2/22$

+ sign -426.313 ± 152.799 $\chi^2/\text{NDF}: 255.2/43$

All: -1406.258 ± 107.229 $\chi^2/\text{NDF}: 1852.0/87$

- sign -2357.125 ± 150.515 $\chi^2/\text{NDF}: 1515.8/43$

asym_bpm0l03WS_rms vs Slug



Right In: 434.938 \pm 0.144 χ^2 /NDF: 2934365.4/18

Left Out: 876.560 \pm 0.163 χ^2 /NDF:3434698.7/24

Right Out: 457.243 \pm 0.140 χ^2 /NDF: 3999058.1/20

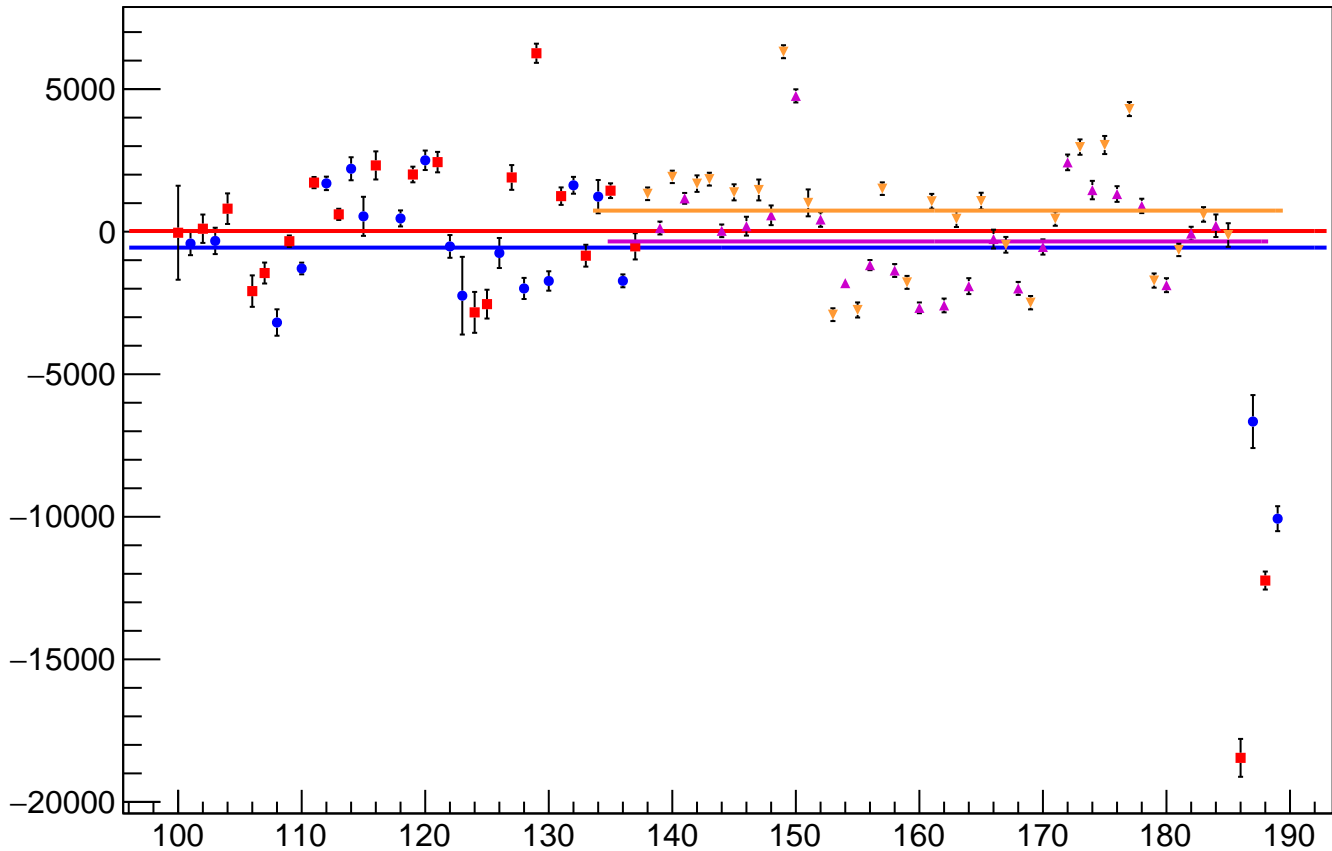
Left In: 821.657 \pm 0.164 χ^2 /NDF:4443094.2/22

+ sign 628.069 \pm 0.108 χ^2 /NDF: 10480079.1/43

All: 619.185 \pm 0.076 χ^2 /NDF: 21792773.9/87

- sign 610.565 \pm 0.106 χ^2 /NDF: 11299373.9/43

asym_bpm0l04WS_mean vs Slug



Right In: -558.908 ± 80.807 $\chi^2/\text{NDF}: 913.5/18$

Left Out: 738.847 ± 51.649 $\chi^2/\text{NDF}: 1935.2/24$

Right Out: 23.122 ± 72.626 $\chi^2/\text{NDF}: 2976.9/20$

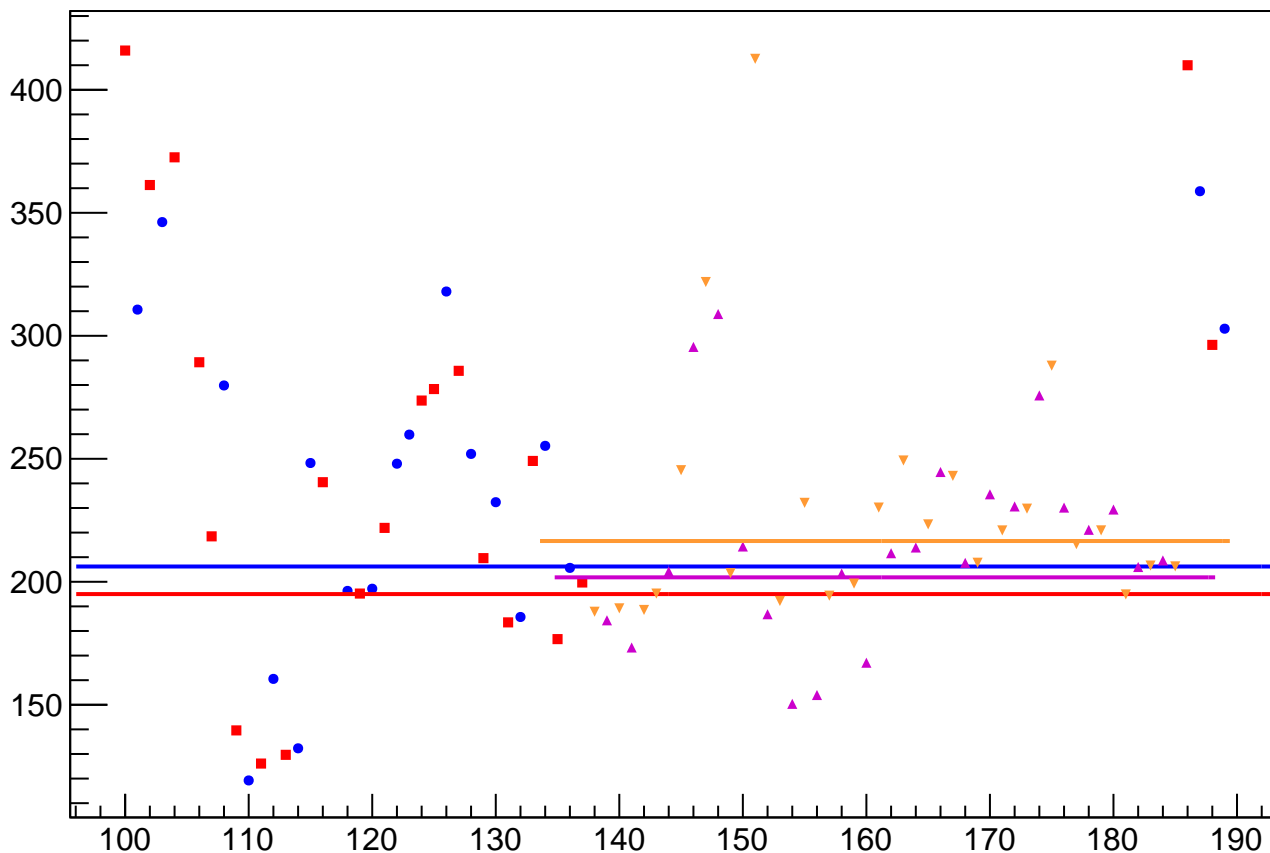
Left In: -342.465 ± 50.044 $\chi^2/\text{NDF}: 1254.9/22$

+ sign 362.444 ± 43.519 $\chi^2/\text{NDF}: 3031.8/43$

All: 52.838 ± 29.922 $\chi^2/\text{NDF}: 7376.8/87$

- sign -224.764 ± 41.208 $\chi^2/\text{NDF}: 4249.0/43$

asym_bpm0l04WS_rms vs Slug



Right In: 206.215 \pm 0.057 χ^2 /NDF: 1210167.7/18

Left Out: 216.574 \pm 0.037 χ^2 /NDF:886214.1/24

Right Out: 195.004 \pm 0.051 χ^2 /NDF: 1829348.8/20

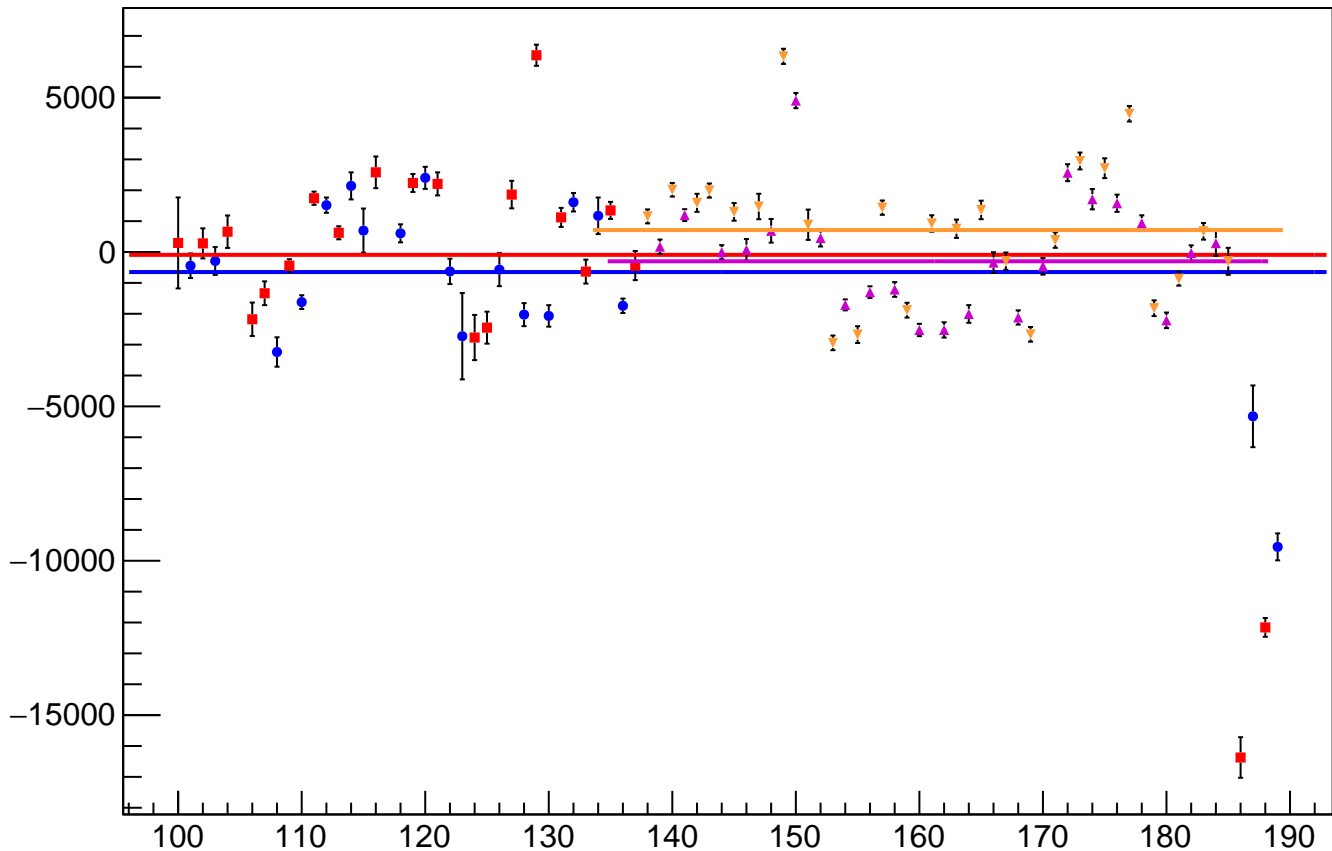
Left In: 201.805 \pm 0.035 χ^2 /NDF:1087243.4/22

+ sign 213.570 \pm 0.031 χ^2 /NDF: 2119716.7/43

All: 206.212 \pm 0.021 χ^2 /NDF: 5156619.2/87

- sign 199.616 \pm 0.029 χ^2 /NDF: 2928487.1/43

asym_bpm0l05WS_mean vs Slug



Right In: -648.763 ± 83.739 $\chi^2/\text{NDF}: 818.0/18$

Left Out: 711.174 ± 53.245 $\chi^2/\text{NDF}: 1835.3/24$

Right Out: -91.956 ± 75.407 $\chi^2/\text{NDF}: 2892.4/20$

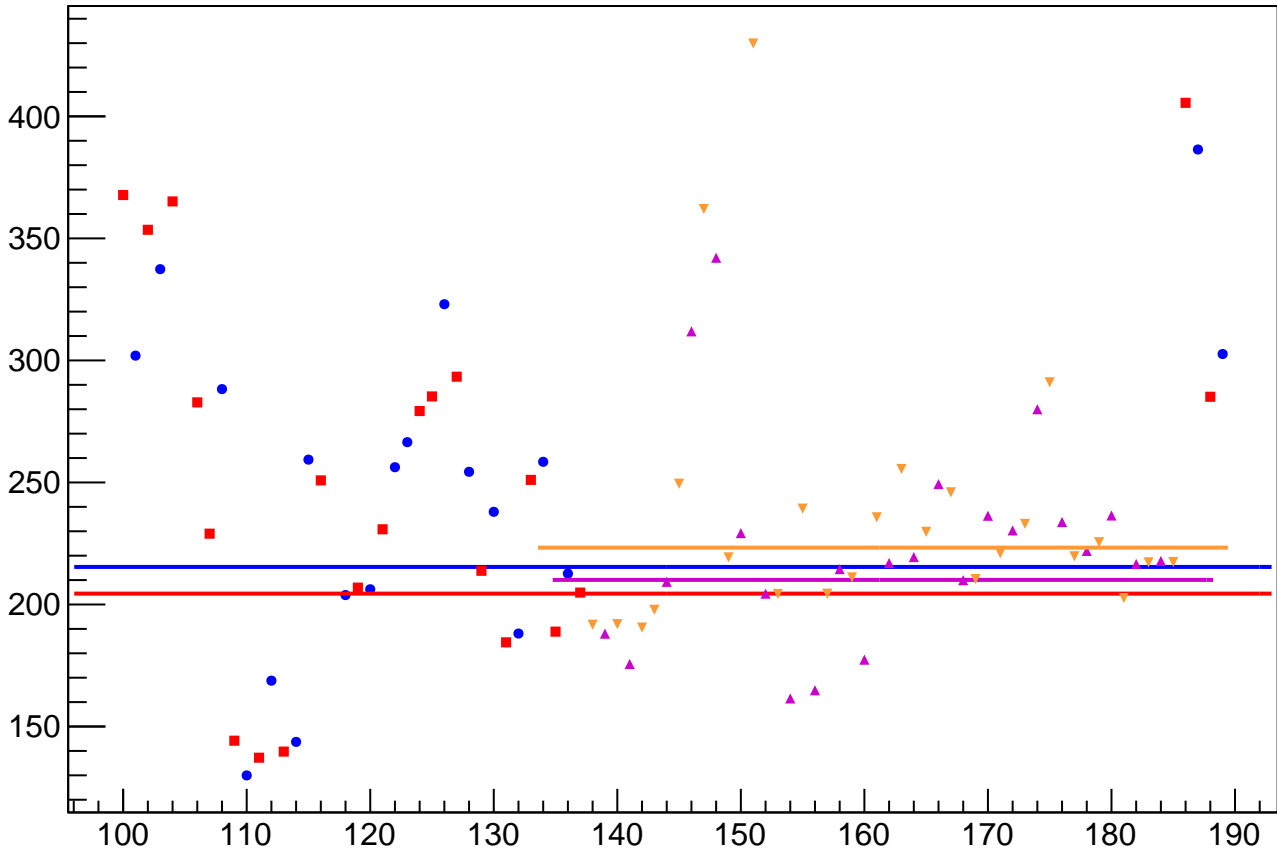
Left In: -300.516 ± 51.984 $\chi^2/\text{NDF}: 1208.6/22$

+ sign 319.650 ± 44.931 $\chi^2/\text{NDF}: 2841.2/43$

All: 29.730 ± 30.990 $\chi^2/\text{NDF}: 7026.8/87$

- sign -233.330 ± 42.799 $\chi^2/\text{NDF}: 4106.2/43$

asym_bpm0l05WS_rms vs Slug



Right In: 215.389 \pm 0.059 χ^2 /NDF: 1016963.8/18

Left Out: 223.296 \pm 0.038 χ^2 /NDF:922768.4/24

Right Out: 204.455 \pm 0.053 χ^2 /NDF: 1552037.7/20

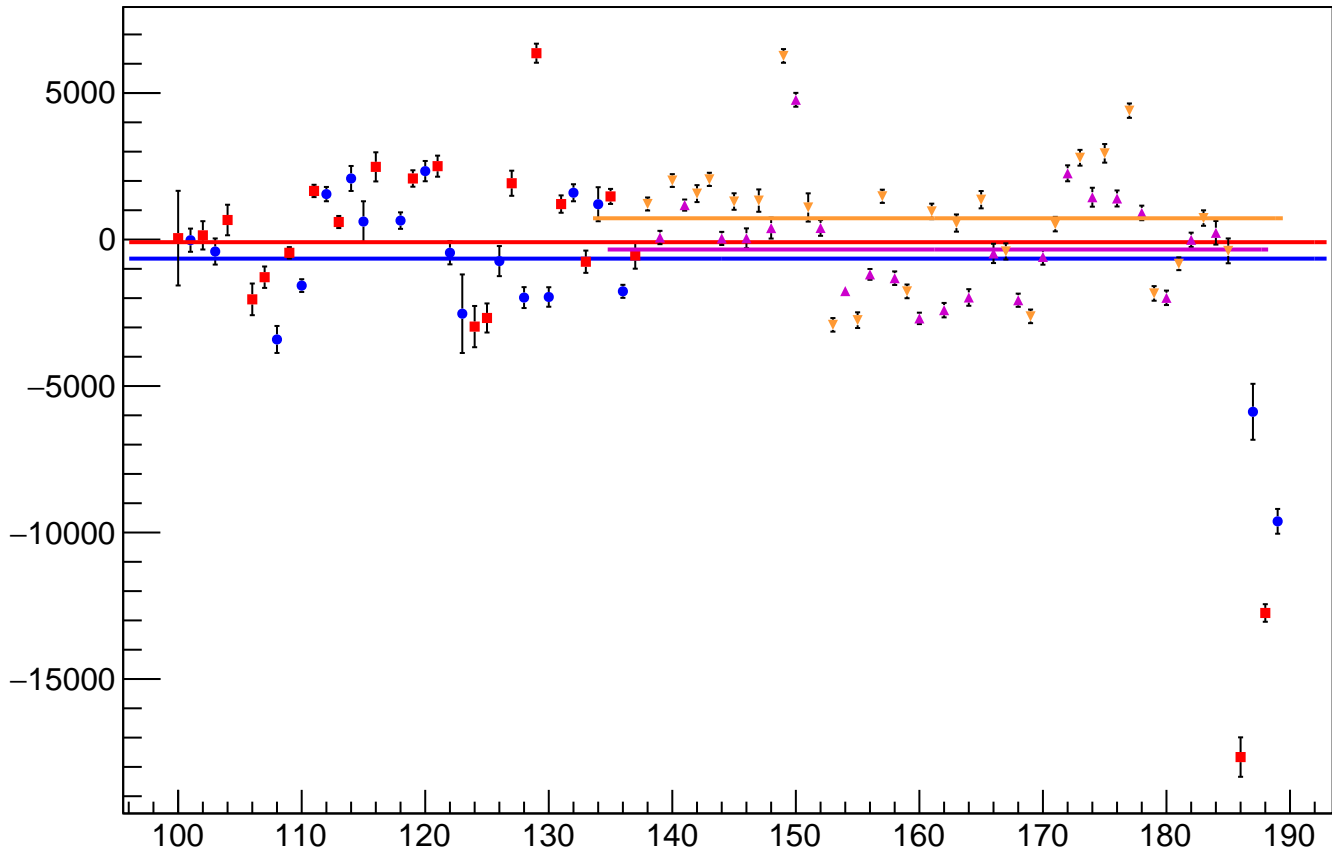
Left In: 210.080 \pm 0.037 χ^2 /NDF:1015274.5/22

+ sign 221.020 \pm 0.032 χ^2 /NDF: 1952430.4/43

All: 214.334 \pm 0.022 χ^2 /NDF: 4611744.3/87

- sign 208.268 \pm 0.030 χ^2 /NDF: 2574854.6/43

asym_bpm0l06WS_mean vs Slug



Right In: -651.386 ± 81.149 $\chi^2/\text{NDF}: 884.2/18$

Left Out: 725.866 ± 52.158 $\chi^2/\text{NDF}: 1912.7/24$

Right Out: -90.161 ± 72.761 $\chi^2/\text{NDF}: 3227.7/20$

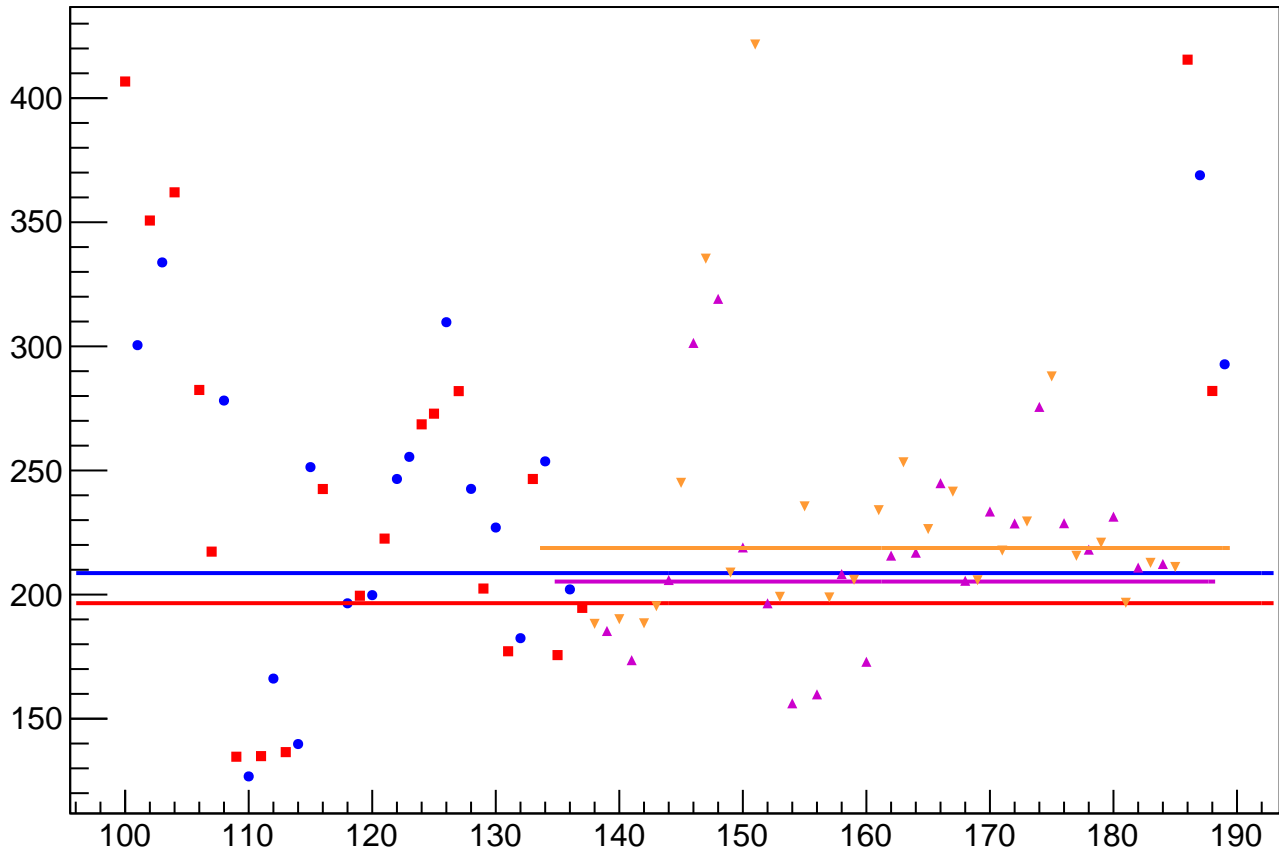
Left In: -340.502 ± 50.802 $\chi^2/\text{NDF}: 1201.8/22$

+ sign 323.230 ± 43.877 $\chi^2/\text{NDF}: 3000.8/43$

All: 17.279 ± 30.209 $\chi^2/\text{NDF}: 7530.7/87$

- sign -258.458 ± 41.654 $\chi^2/\text{NDF}: 4437.5/43$

asym_bpm0l06WS_rms vs Slug



Right In: 208.661 \pm 0.057 χ^2 /NDF: 1007285.3/18

Left Out: 218.768 \pm 0.037 χ^2 /NDF:896914.5/24

Right Out: 196.542 \pm 0.051 χ^2 /NDF: 1644889.2/20

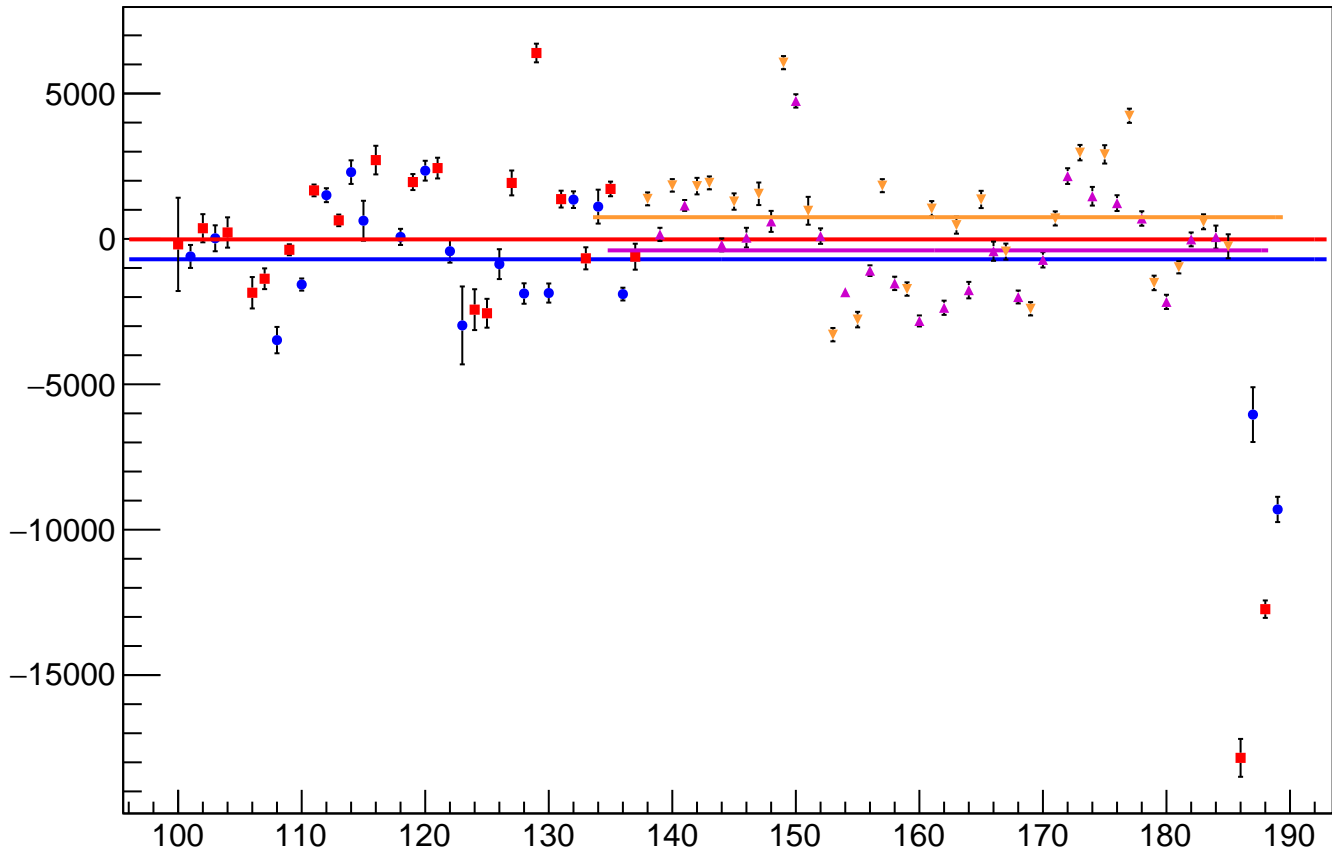
Left In: 205.249 \pm 0.036 χ^2 /NDF:997168.8/22

+ sign 215.813 \pm 0.031 χ^2 /NDF: 1926158.6/43

All: 208.756 \pm 0.021 χ^2 /NDF: 4685846.6/87

- sign 202.395 \pm 0.029 χ^2 /NDF: 2661311.1/43

asym_bpm0l07WS_mean vs Slug



Right In: -700.676 ± 79.831 $\chi^2/\text{NDF}: 830.2/18$

Left Out: 746.405 ± 51.592 $\chi^2/\text{NDF}: 1942.1/24$

Right Out: -16.266 ± 71.278 $\chi^2/\text{NDF}: 3319.7/20$

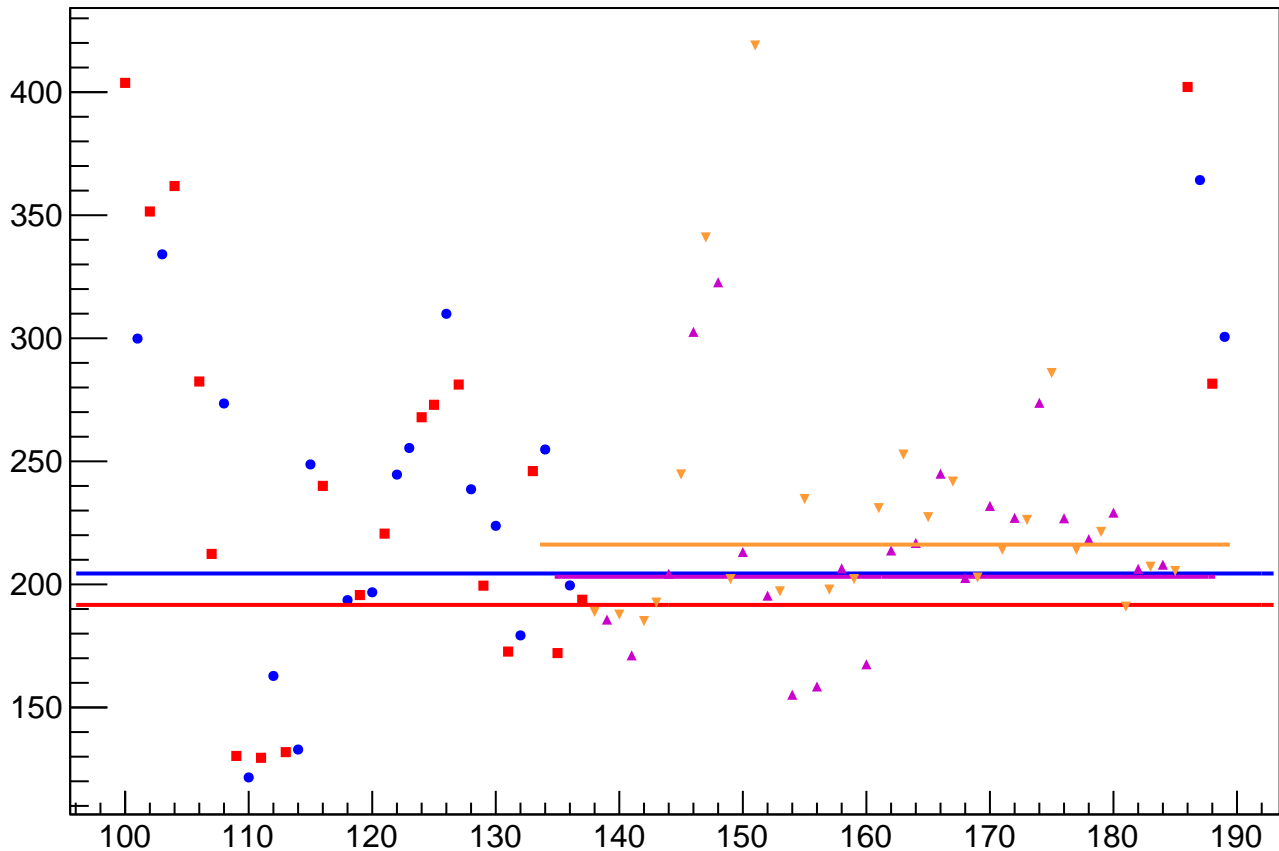
Left In: -394.379 ± 50.311 $\chi^2/\text{NDF}: 1236.4/22$

+ sign 320.080 ± 43.331 $\chi^2/\text{NDF}: 3004.1/43$

All: 10.201 ± 29.821 $\chi^2/\text{NDF}: 7676.1/87$

- sign -268.640 ± 41.103 $\chi^2/\text{NDF}: 4574.9/43$

asym_bpm0l07WS_rms vs Slug



Right In: 204.428 \pm 0.056 χ^2 /NDF: 1102615.8/18

Left Out: 216.178 \pm 0.036 χ^2 /NDF:946050.8/24

Right Out: 191.670 \pm 0.050 χ^2 /NDF: 1758718.3/20

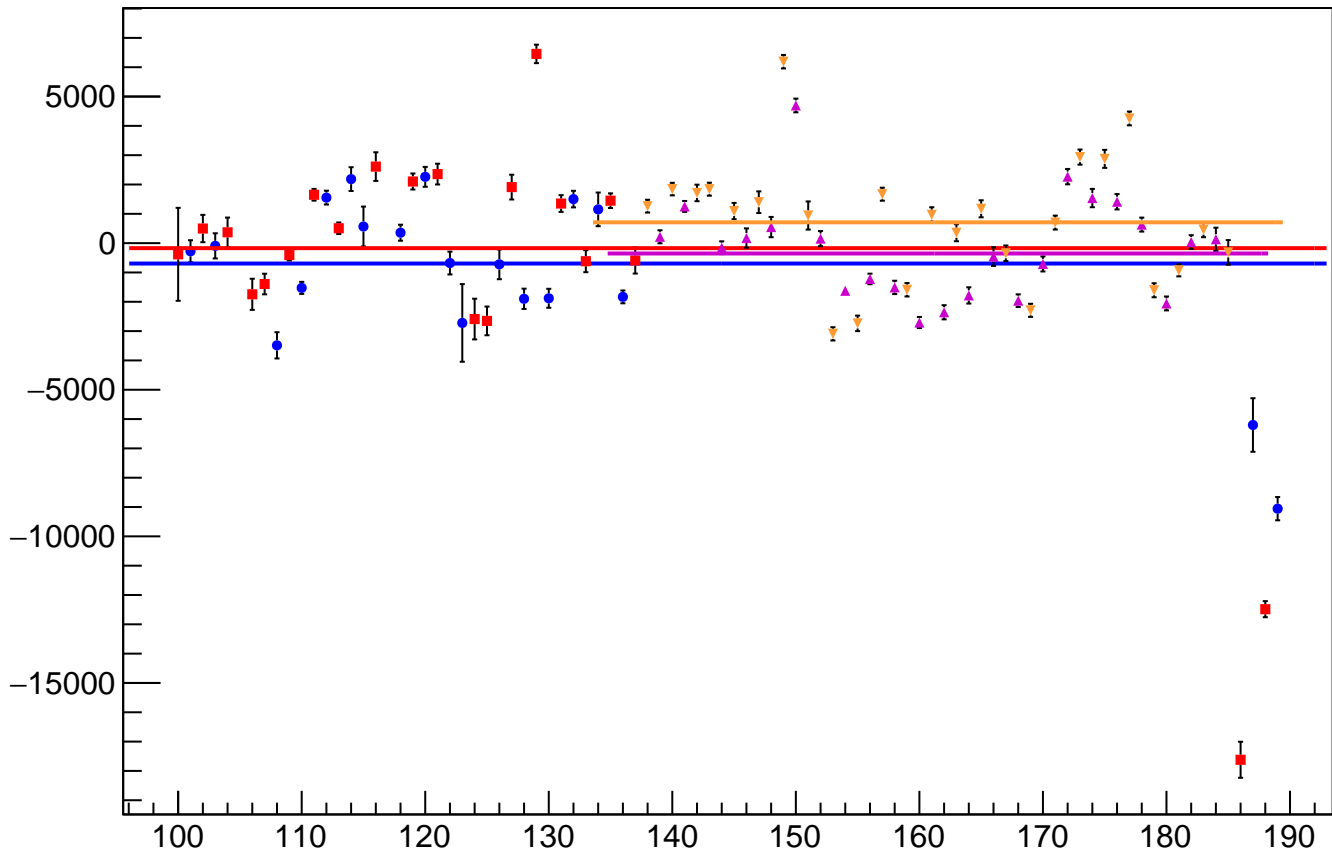
Left In: 203.101 \pm 0.036 χ^2 /NDF:1038013.0/22

+ sign 212.716 \pm 0.031 χ^2 /NDF: 2079227.0/43

All: 205.654 \pm 0.021 χ^2 /NDF: 5011215.8/87

- sign 199.300 \pm 0.029 χ^2 /NDF: 2831060.9/43

asym_bpm0l08WS_mean vs Slug



Right In: -695.393 ± 78.465 $\chi^2/\text{NDF}: 900.4/18$

Left Out: 710.238 ± 50.750 $\chi^2/\text{NDF}: 1932.3/24$

Right Out: -170.763 ± 69.830 $\chi^2/\text{NDF}: 3674.4/20$

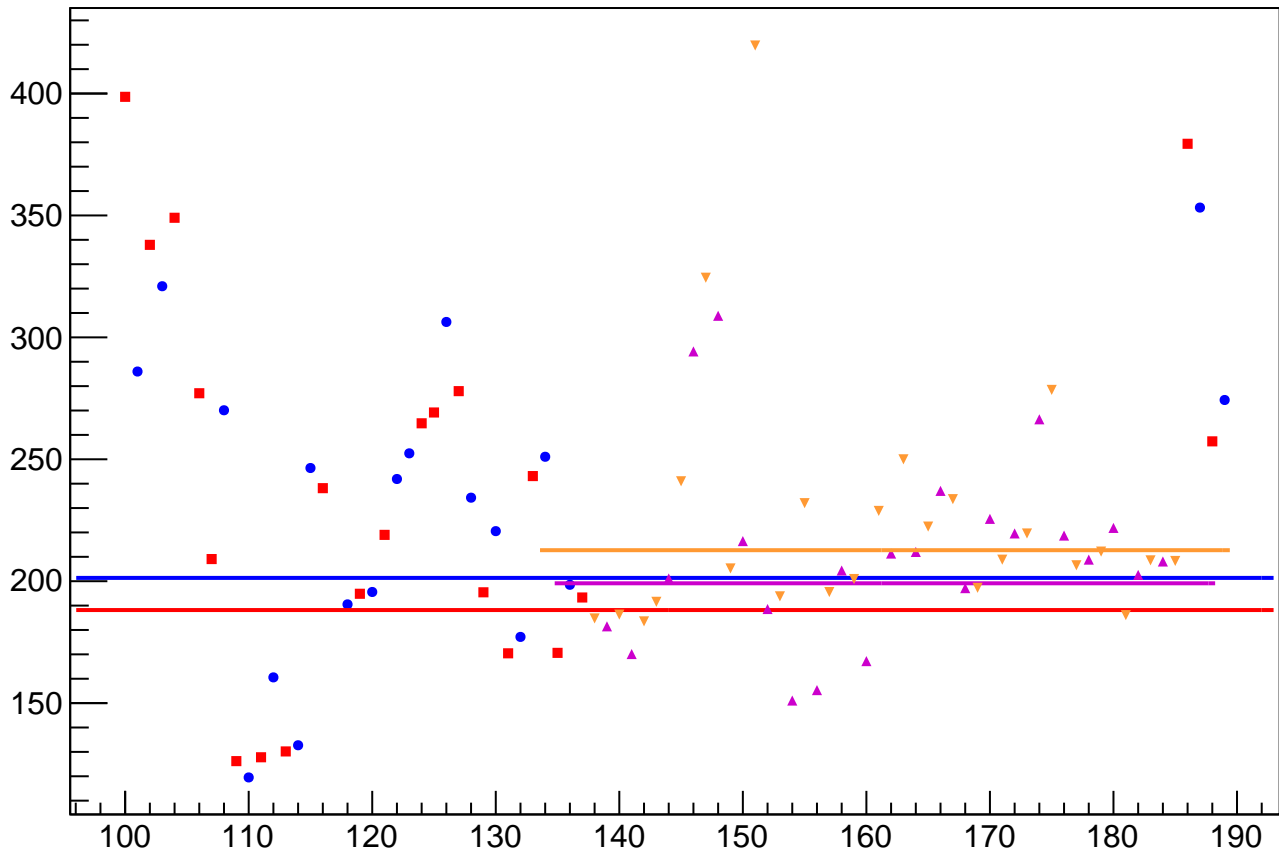
Left In: -352.432 ± 49.316 $\chi^2/\text{NDF}: 1233.1/22$

+ sign 295.648 ± 42.614 $\chi^2/\text{NDF}: 3059.0/43$

All: -14.673 ± 29.274 $\chi^2/\text{NDF}: 8071.4/87$

- sign -291.975 ± 40.283 $\chi^2/\text{NDF}: 4912.0/43$

asym_bpm0l08WS_rms vs Slug



Right In: 201.356 \pm 0.055 χ^2 /NDF: 1038294.6/18

Left Out: 212.718 \pm 0.036 χ^2 /NDF: 916225.9/24

Right Out: 188.170 \pm 0.049 χ^2 /NDF: 1684372.1/20

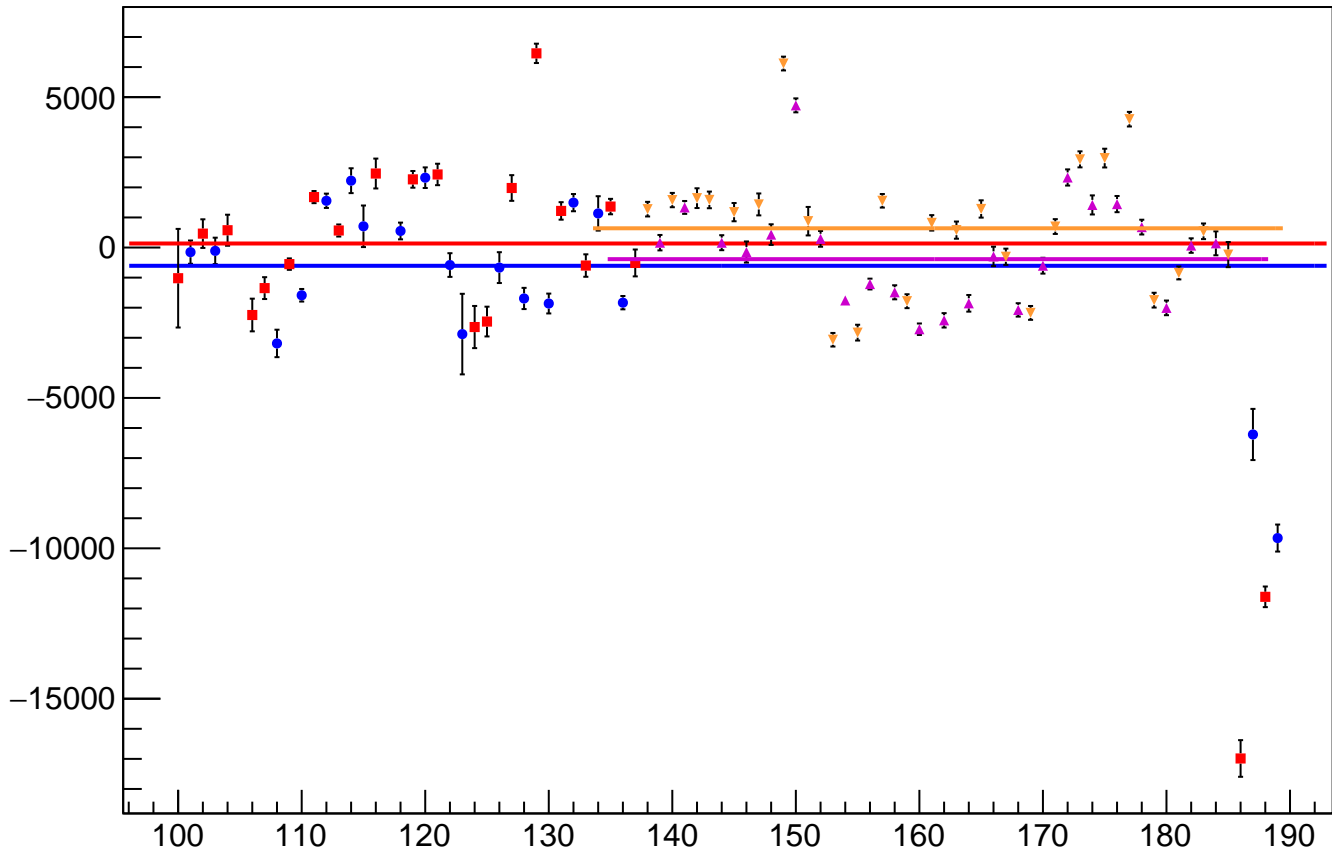
Left In: 199.142 \pm 0.035 χ^2 /NDF: 985932.4/22

+ sign 209.367 \pm 0.030 χ^2 /NDF: 1984088.4/43

All: 202.039 \pm 0.021 χ^2 /NDF: 4799331.4/87

- sign 195.491 \pm 0.028 χ^2 /NDF: 2703249.1/43

asym_bpm0l09WS_mean vs Slug



Right In: -606.910 ± 79.924 $\chi^2/\text{NDF}: 850.1/18$

Left Out: 639.995 ± 52.708 $\chi^2/\text{NDF}: 1859.2/24$

Right Out: 134.384 ± 71.985 $\chi^2/\text{NDF}: 2689.1/20$

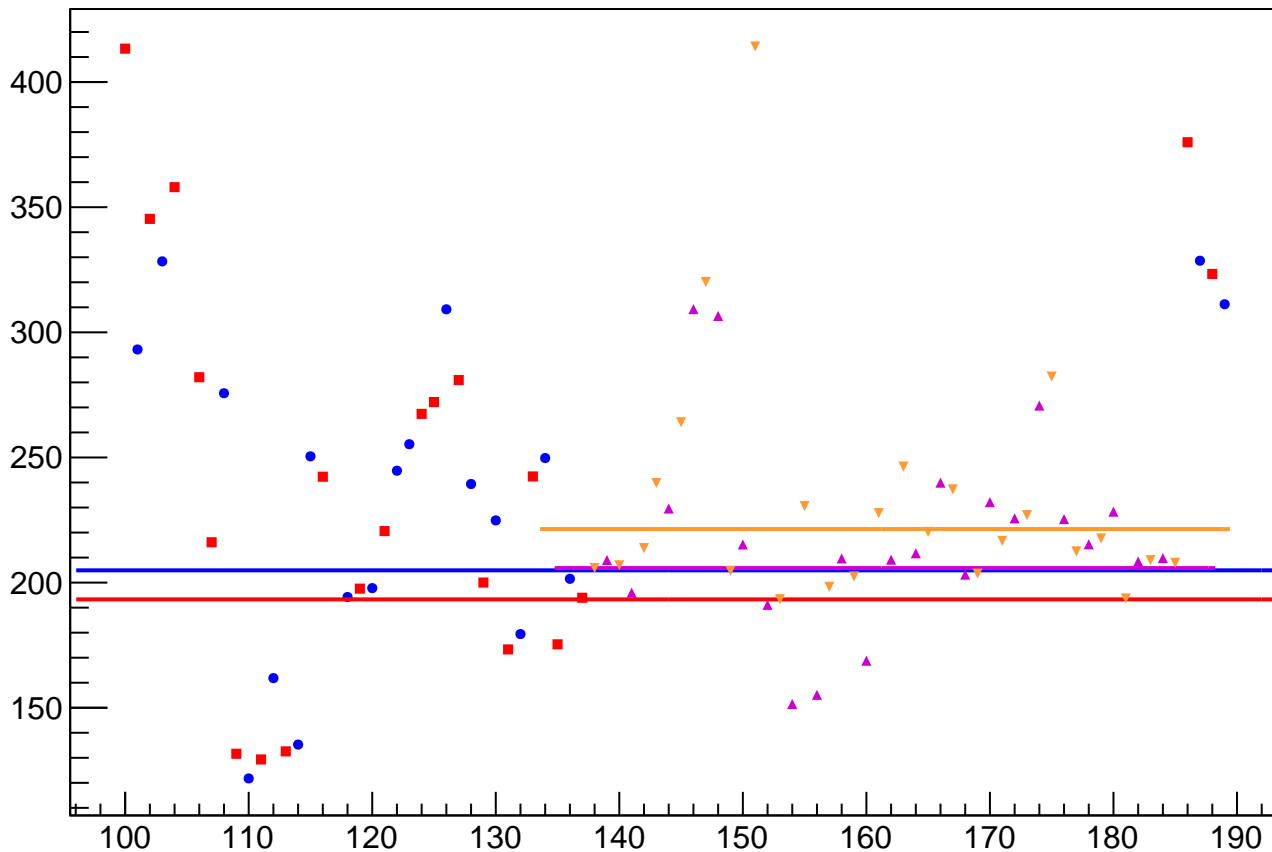
Left In: -386.248 ± 50.994 $\chi^2/\text{NDF}: 1238.0/22$

+ sign 262.064 ± 44.001 $\chi^2/\text{NDF}: 2879.0/43$

All: 11.655 ± 30.233 $\chi^2/\text{NDF}: 6902.3/87$

- sign -212.282 ± 41.611 $\chi^2/\text{NDF}: 3961.9/43$

asym_bpm0l09WS_rms vs Slug



Right In: 204.905 \pm 0.057 χ^2 /NDF: 1076837.3/18

Left Out: 221.398 \pm 0.037 χ^2 /NDF:777833.8/24

Right Out: 193.298 \pm 0.051 χ^2 /NDF: 1810051.9/20

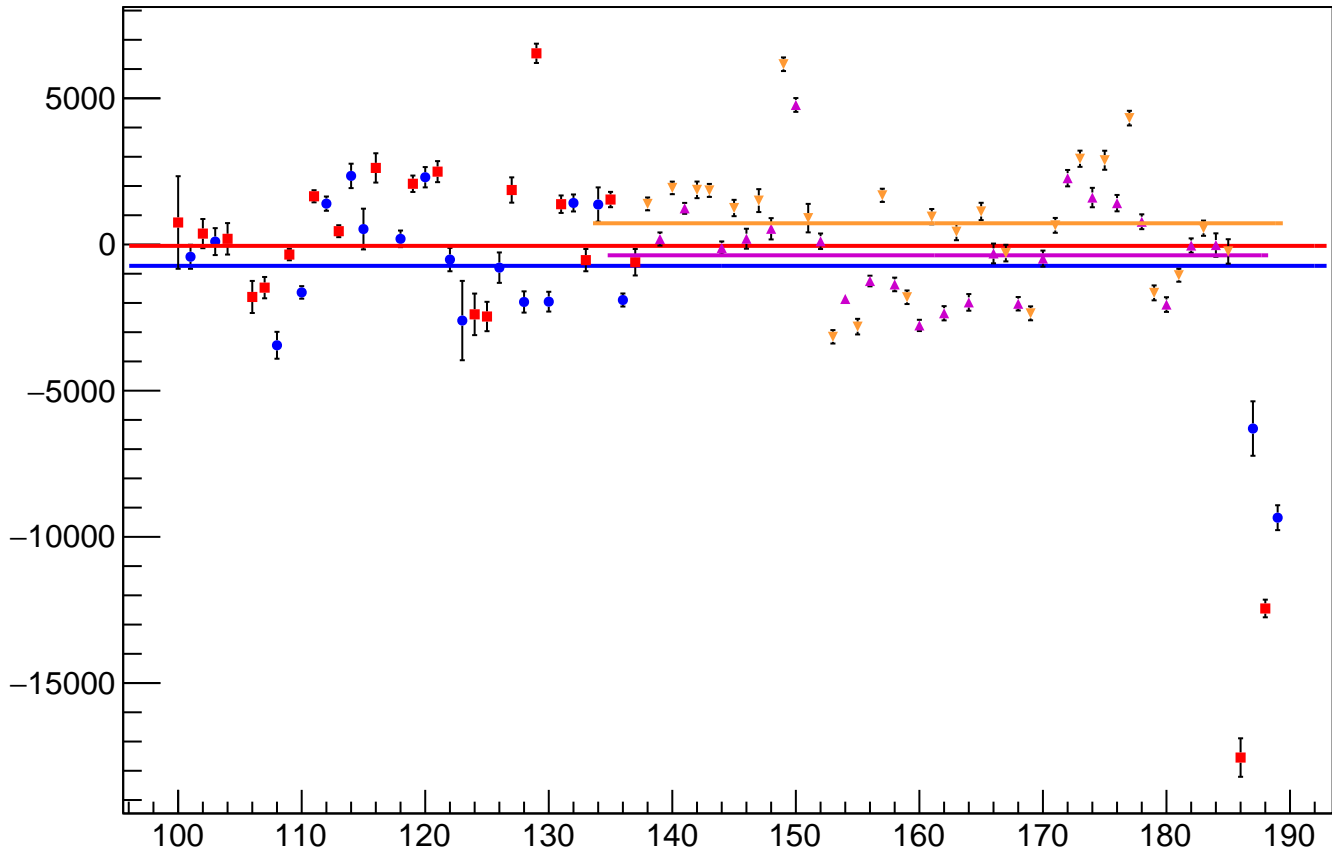
Left In: 205.803 \pm 0.036 χ^2 /NDF:994903.5/22

+ sign 216.399 \pm 0.031 χ^2 /NDF: 1914027.7/43

All: 208.600 \pm 0.021 χ^2 /NDF: 4878206.6/87

- sign 201.625 \pm 0.029 χ^2 /NDF: 2845147.0/43

asym_bpm0l10WS_mean vs Slug



Right In: -730.619 ± 81.456 $\chi^2/\text{NDF}: 843.9/18$

Left Out: 725.250 ± 52.307 $\chi^2/\text{NDF}: 1883.1/24$

Right Out: -47.343 ± 72.987 $\chi^2/\text{NDF}: 3144.0/20$

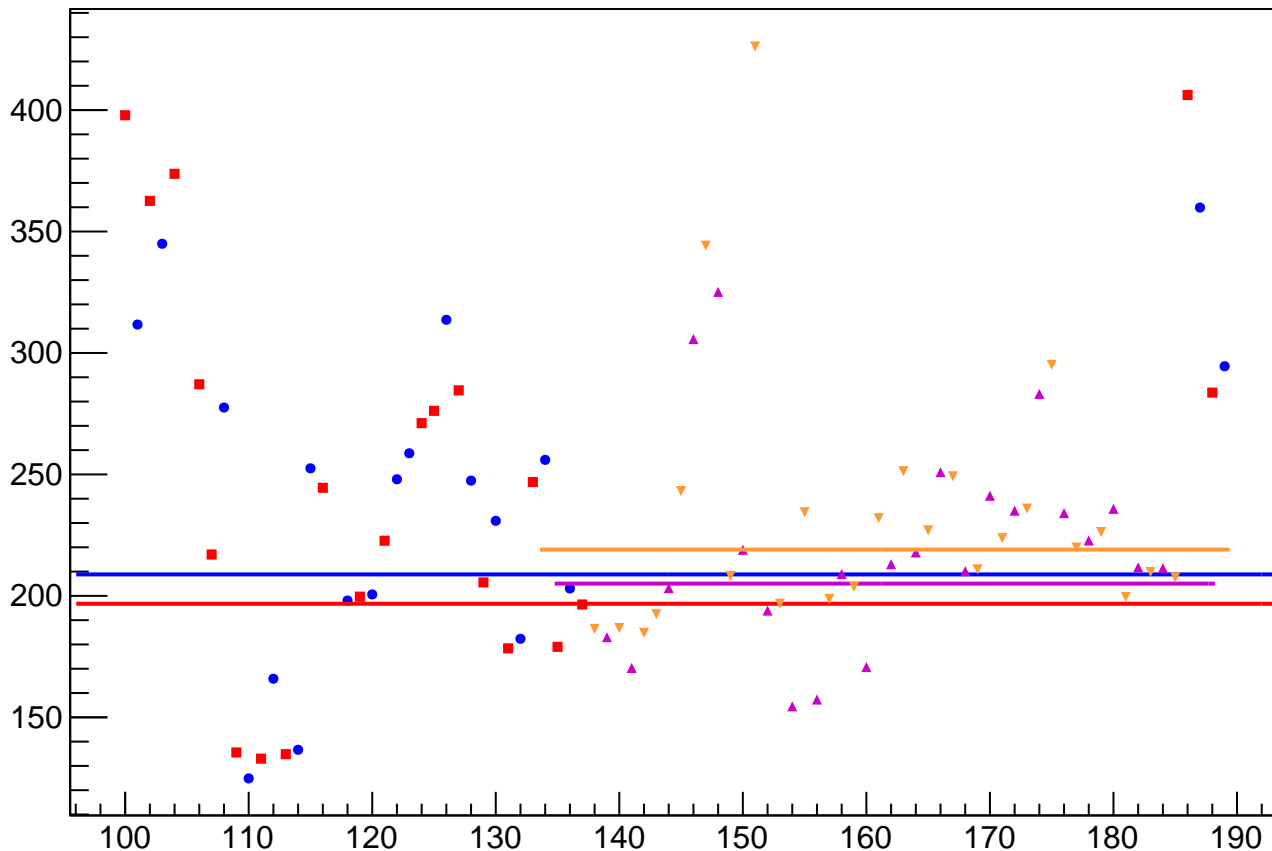
Left In: -370.408 ± 50.884 $\chi^2/\text{NDF}: 1223.2/22$

+ sign 300.190 ± 44.014 $\chi^2/\text{NDF}: 2953.2/43$

All: 2.766 ± 30.287 $\chi^2/\text{NDF}: 7420.3/87$

- sign -264.742 ± 41.742 $\chi^2/\text{NDF}: 4380.4/43$

asym_bpm0l10WS_rms vs Slug



Right In: 208.834 \pm 0.058 χ^2 /NDF: 1084365.0/18

Left Out: 219.049 \pm 0.037 χ^2 /NDF: 975564.4/24

Right Out: 196.757 \pm 0.052 χ^2 /NDF: 1702855.4/20

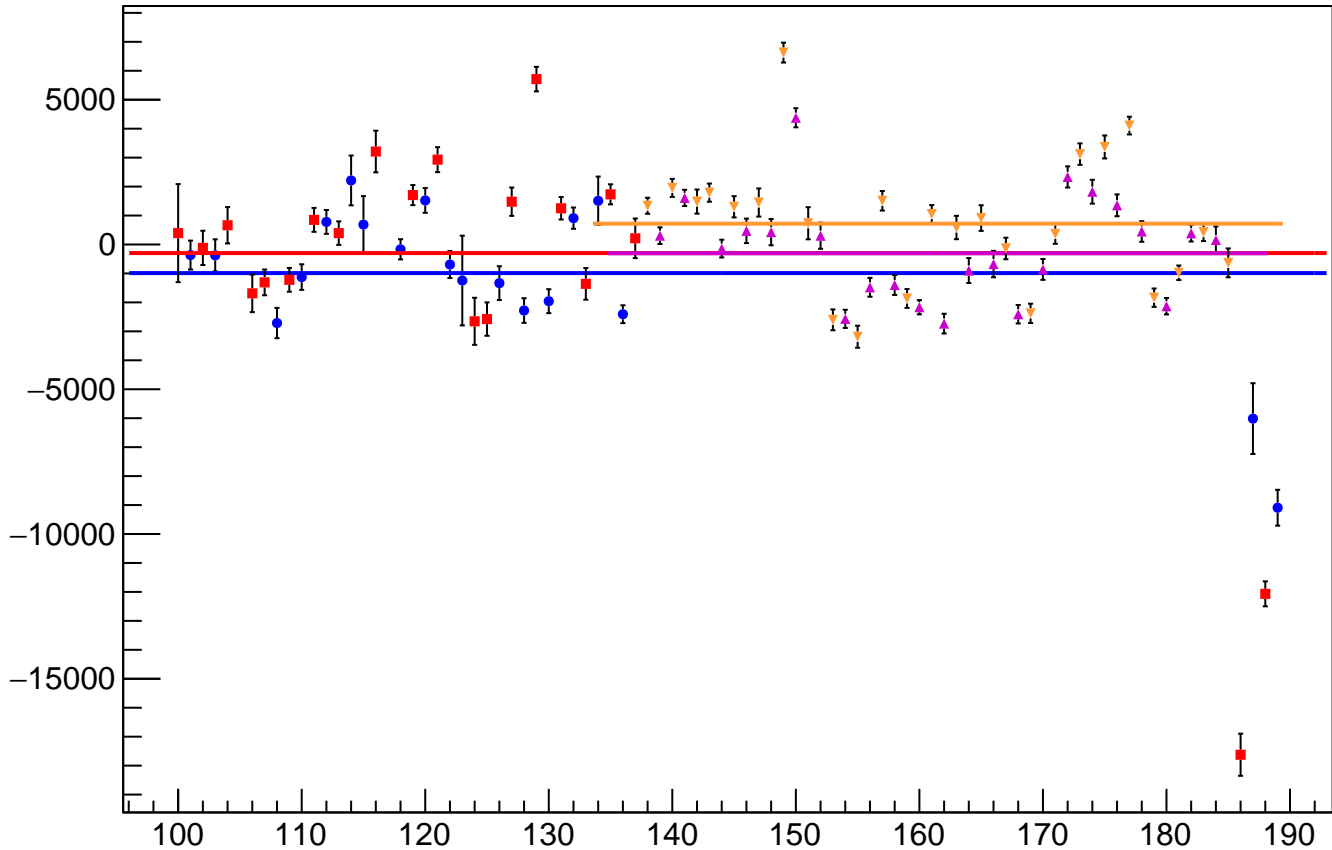
Left In: 205.046 \pm 0.036 χ^2 /NDF: 1144197.1/22

+ sign 216.066 \pm 0.031 χ^2 /NDF: 2082196.5/43

All: 208.837 \pm 0.021 χ^2 /NDF: 5049088.3/87

- sign 202.335 \pm 0.030 χ^2 /NDF: 2864411.8/43

asym_bpm0r03WS_mean vs Slug



Right In: -987.760 ± 111.824 $\chi^2/\text{NDF}: 349.5/18$

Left Out: 718.705 ± 69.601 $\chi^2/\text{NDF}: 1018.5/24$

Right Out: -296.273 ± 106.198 $\chi^2/\text{NDF}: 1747.3/20$

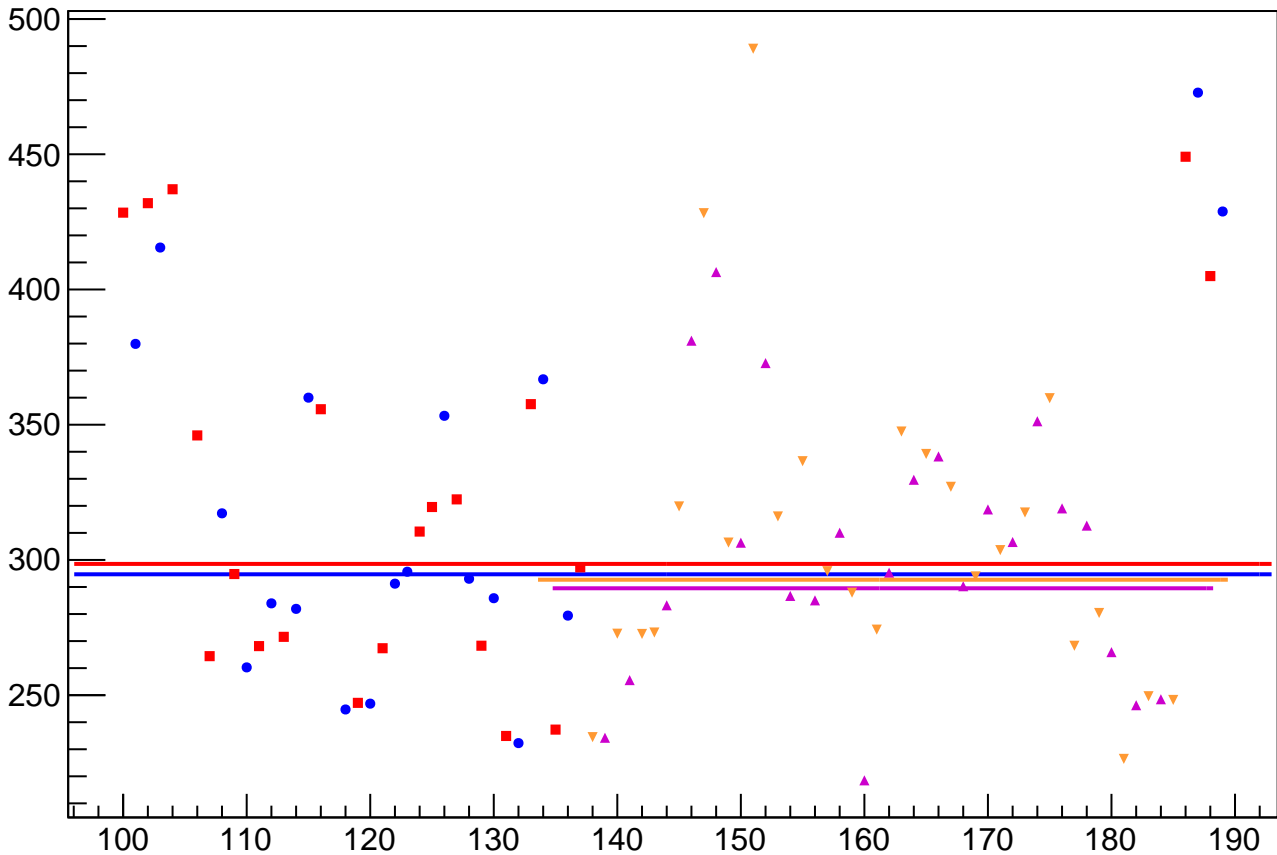
Left In: -304.161 ± 70.958 $\chi^2/\text{NDF}: 643.5/22$

+ sign 242.216 ± 59.090 $\chi^2/\text{NDF}: 1535.9/43$

All: -30.171 ± 41.751 $\chi^2/\text{NDF}: 3969.2/87$

- sign -301.726 ± 59.000 $\chi^2/\text{NDF}: 2390.8/43$

asym_bpm0r03WS_rms vs Slug



Right In: 294.695 \pm 0.079 χ^2 /NDF: 480896.6/18

Left Out: 292.686 \pm 0.049 χ^2 /NDF: 925193.6/24

Right Out: 298.532 \pm 0.075 χ^2 /NDF: 685714.5/20

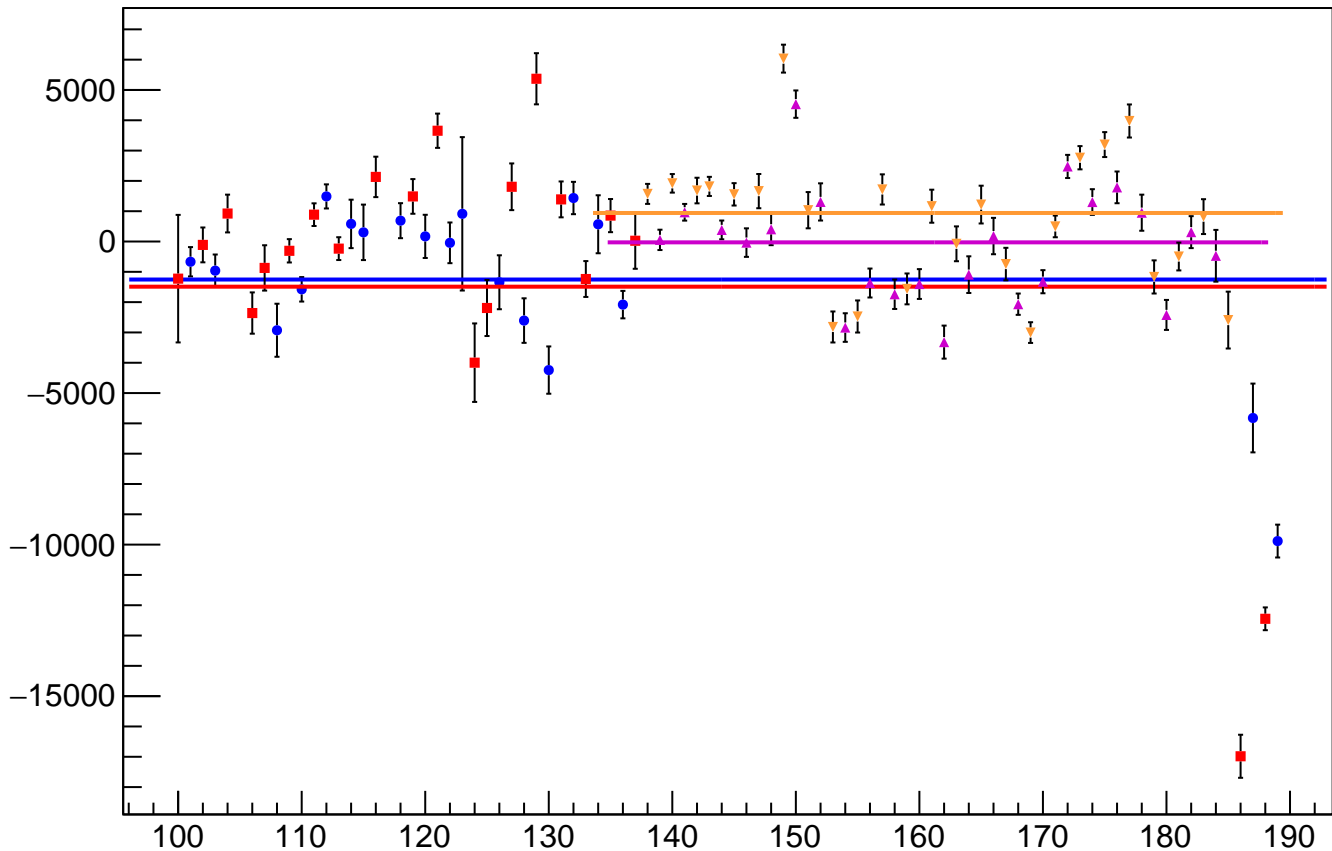
Left In: 289.522 \pm 0.050 χ^2 /NDF: 777901.0/22

+ sign 293.247 \pm 0.042 χ^2 /NDF: 1406555.7/43

All: 292.774 \pm 0.030 χ^2 /NDF: 2880380.9/87

- sign 292.303 \pm 0.042 χ^2 /NDF: 1473569.5/43

asym_bpm0r05WS_mean vs Slug



Right In: -1253.875 ± 141.277 $\chi^2/\text{NDF}: 401.3/18$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -1490.004 ± 125.669 $\chi^2/\text{NDF}: 1683.3/20$

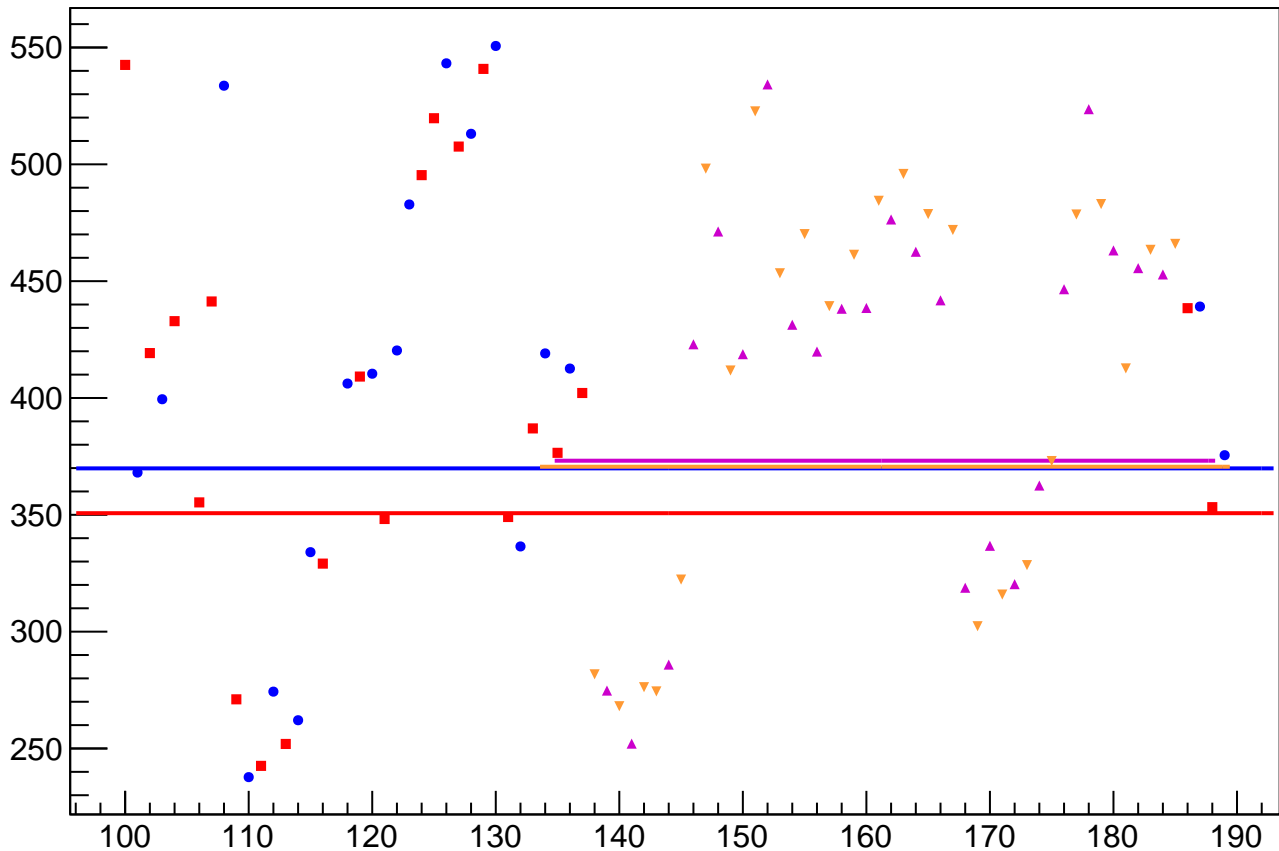
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign 316.652 ± 75.375 $\chi^2/\text{NDF}: 1118.7/43$

All: -117.404 ± 52.953 $\chi^2/\text{NDF}: 3317.9/87$

- sign -540.381 ± 74.407 $\chi^2/\text{NDF}: 2133.8/43$

asym_bpm0r05WS_rms vs Slug



Right In: 369.877 \pm 0.100 χ^2 /NDF: 773318.7/18

Left Out: 370.580 \pm 0.063 χ^2 /NDF: 1878118.9/24

Right Out: 350.701 \pm 0.089 χ^2 /NDF: 848283.9/20

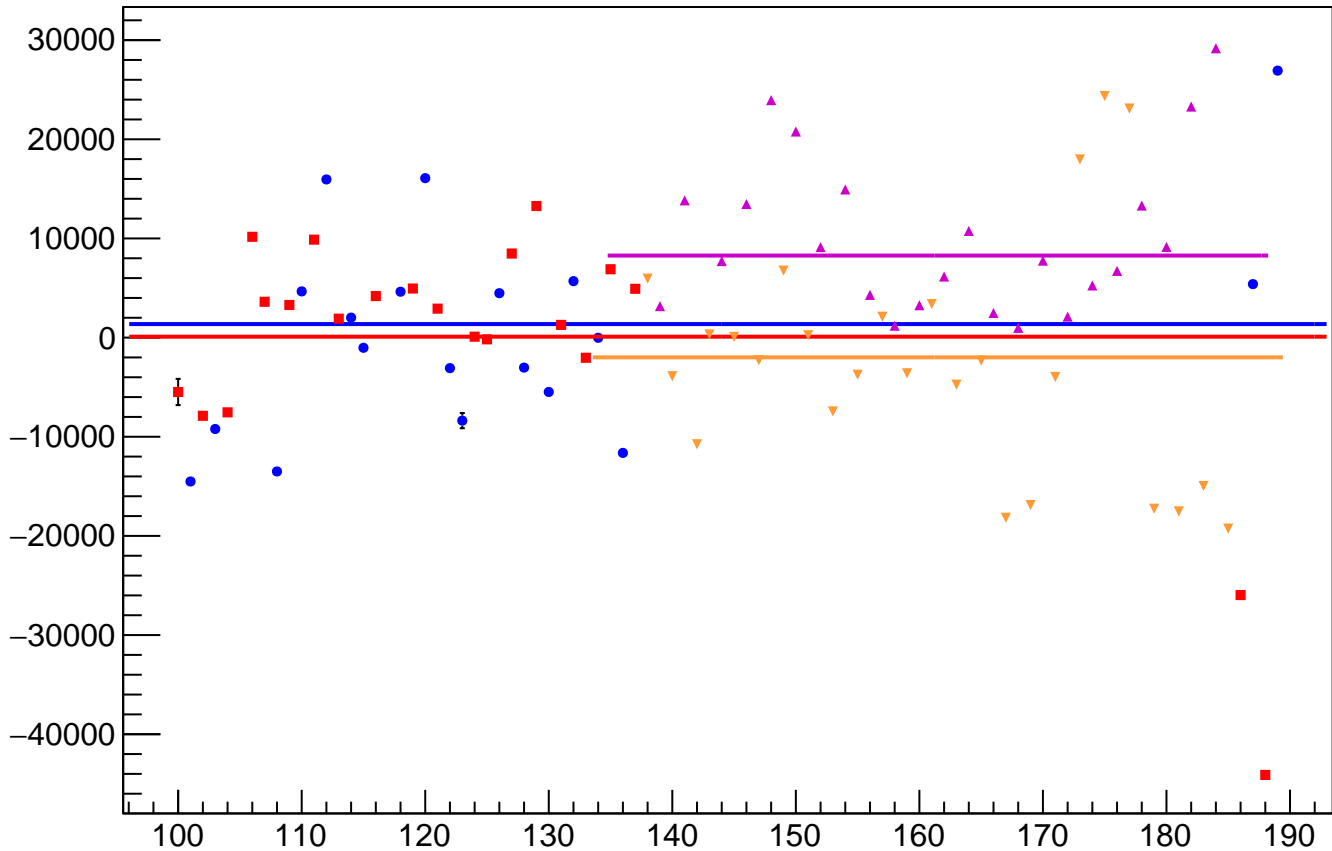
Left In: 373.161 \pm 0.065 χ^2 /NDF: 1636244.2/22

+ sign 370.380 \pm 0.053 χ^2 /NDF: 2651473.0/43

All: 367.800 \pm 0.037 χ^2 /NDF: 5182112.1/87

- sign 365.287 \pm 0.053 χ^2 /NDF: 2526015.1/43

asym_bpm0i02WS_mean vs Slug



Right In: 1363.967+/-53.358 χ^2 /NDF: 40765.8/18

Left Out: -1991.788+/-42.427 χ^2 /NDF:63766.6/24

Right Out: 92.458+/-49.674 χ^2 /NDF: 79880.3/20

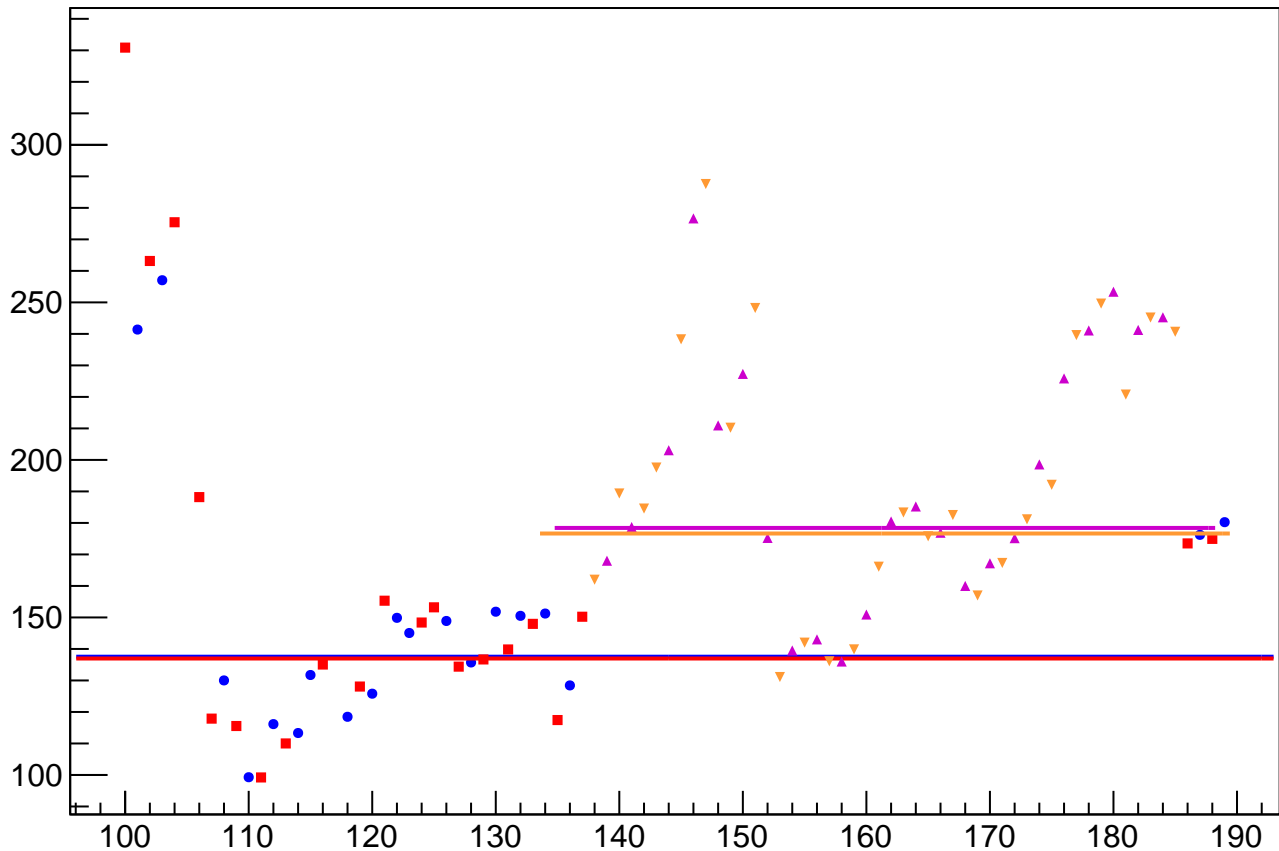
Left In: 8273.228+/-44.301 χ^2 /NDF:22870.2/22

+ sign -691.950+/-33.208 χ^2 /NDF: 106955.6/43

All: 1990.289+/-23.430 χ^2 /NDF: 237803.4/87

- sign 4649.053+/-33.063 χ^2 /NDF: 117857.3/43

asym_bpm0i02WS_rms vs Slug



Right In: 137.539 \pm 0.038 χ^2 /NDF: 729283.6/18

Left Out: 176.641 \pm 0.030 χ^2 /NDF:1551048.8/24

Right Out: 136.968 \pm 0.035 χ^2 /NDF: 959093.6/20

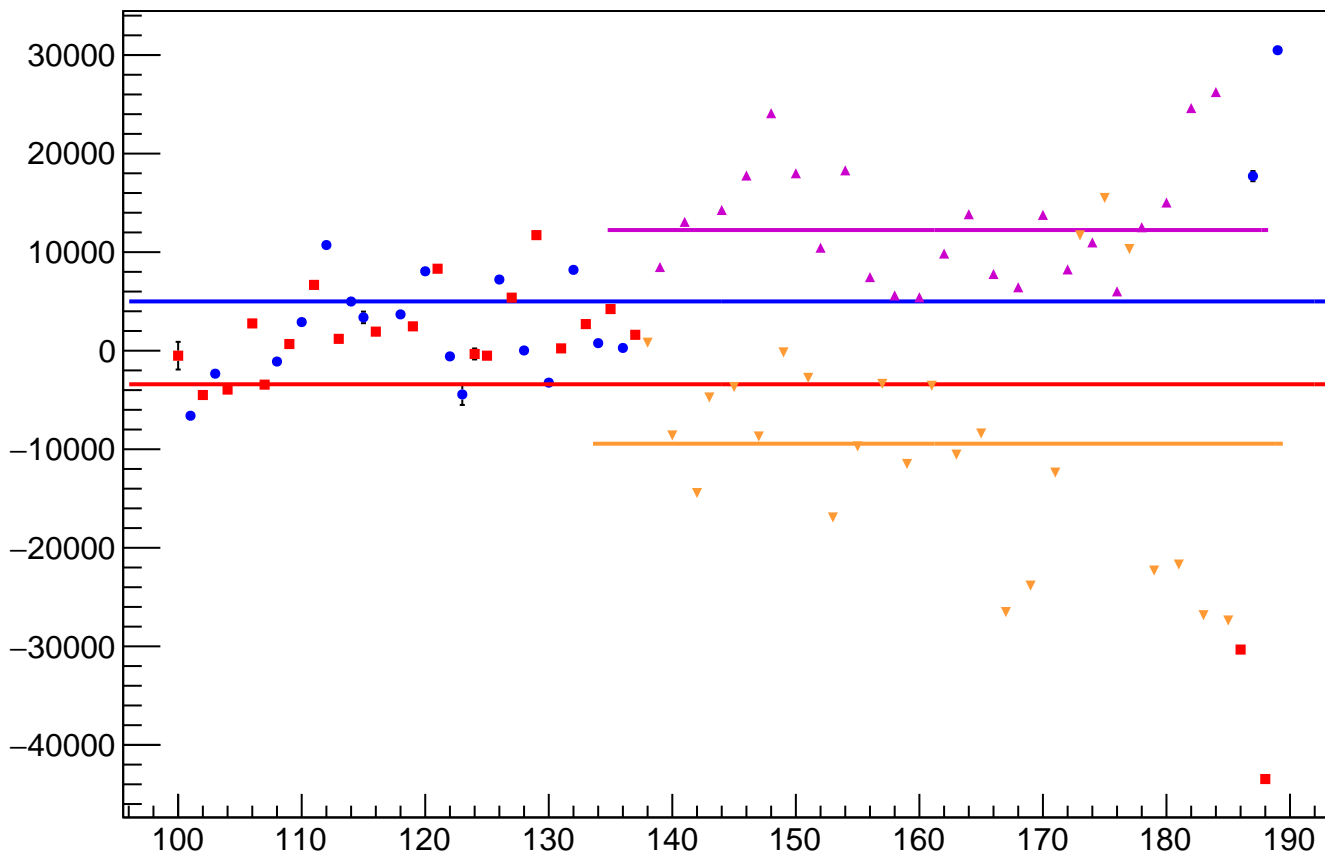
Left In: 178.413 \pm 0.031 χ^2 /NDF:1293736.2/22

+ sign 161.495 \pm 0.023 χ^2 /NDF: 2938358.5/43

All: 160.770 \pm 0.017 χ^2 /NDF: 5968556.3/87

- sign 160.053 \pm 0.023 χ^2 /NDF: 3028303.2/43

asym_bpm0i02aWS_mean vs Slug



Right In: 5000.320+/-67.782 χ^2 /NDF: 15402.1/18

Left Out: -9437.408+/-45.534 χ^2 /NDF:62220.4/24

Right Out: -3406.433+/-61.030 χ^2 /NDF: 65720.1/20

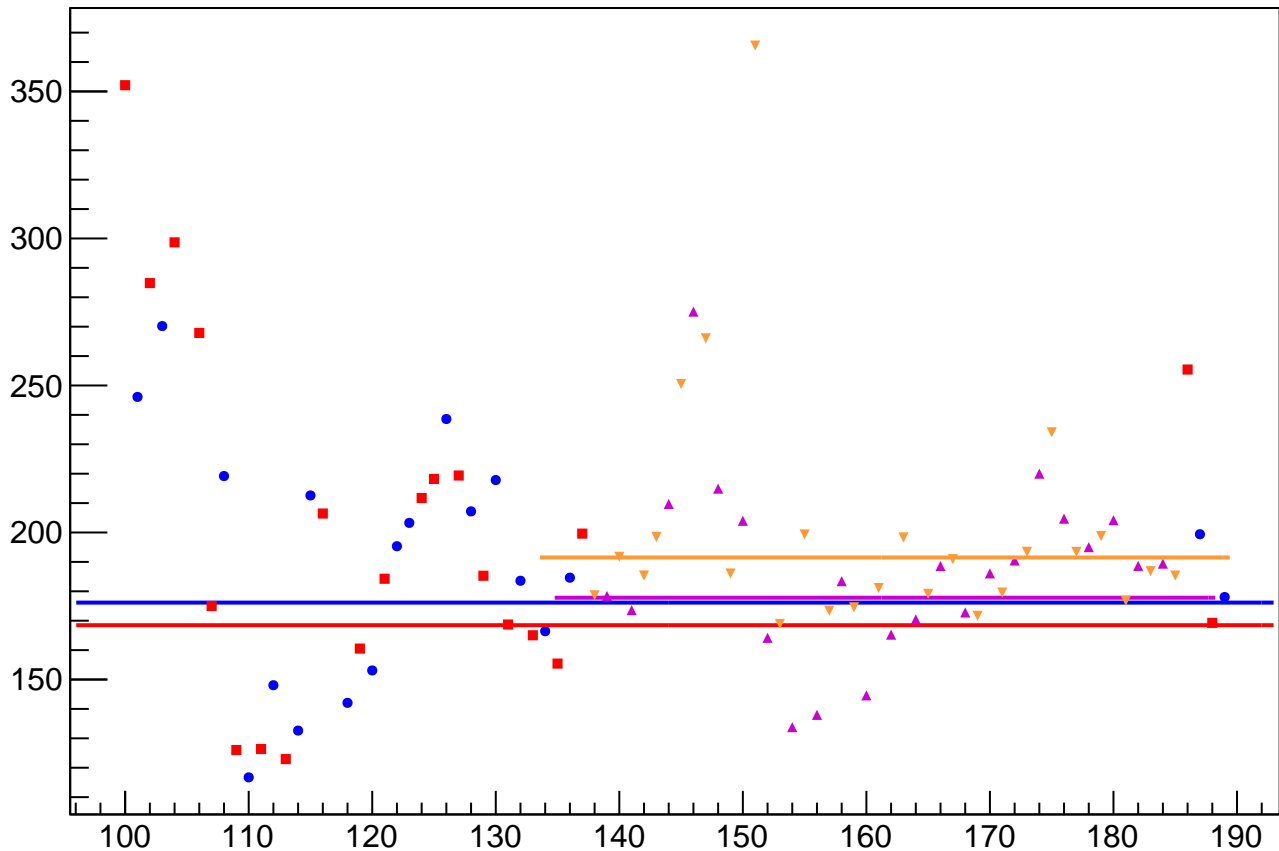
Left In: 12242.226+/-43.944 χ^2 /NDF:16615.8/22

+ sign -4947.971+/-37.798 χ^2 /NDF: 108884.1/43

All: 1319.762+/-25.939 χ^2 /NDF: 286492.5/87

- sign 6899.139+/-35.662 χ^2 /NDF: 125633.3/43

asym_bpm0i02aWS_rms vs Slug



Right In: 176.161 \pm 0.048 χ^2 /NDF: 692130.0/18

Left Out: 191.507 \pm 0.032 χ^2 /NDF:727251.6/24

Right Out: 168.471 \pm 0.043 χ^2 /NDF: 1016078.3/20

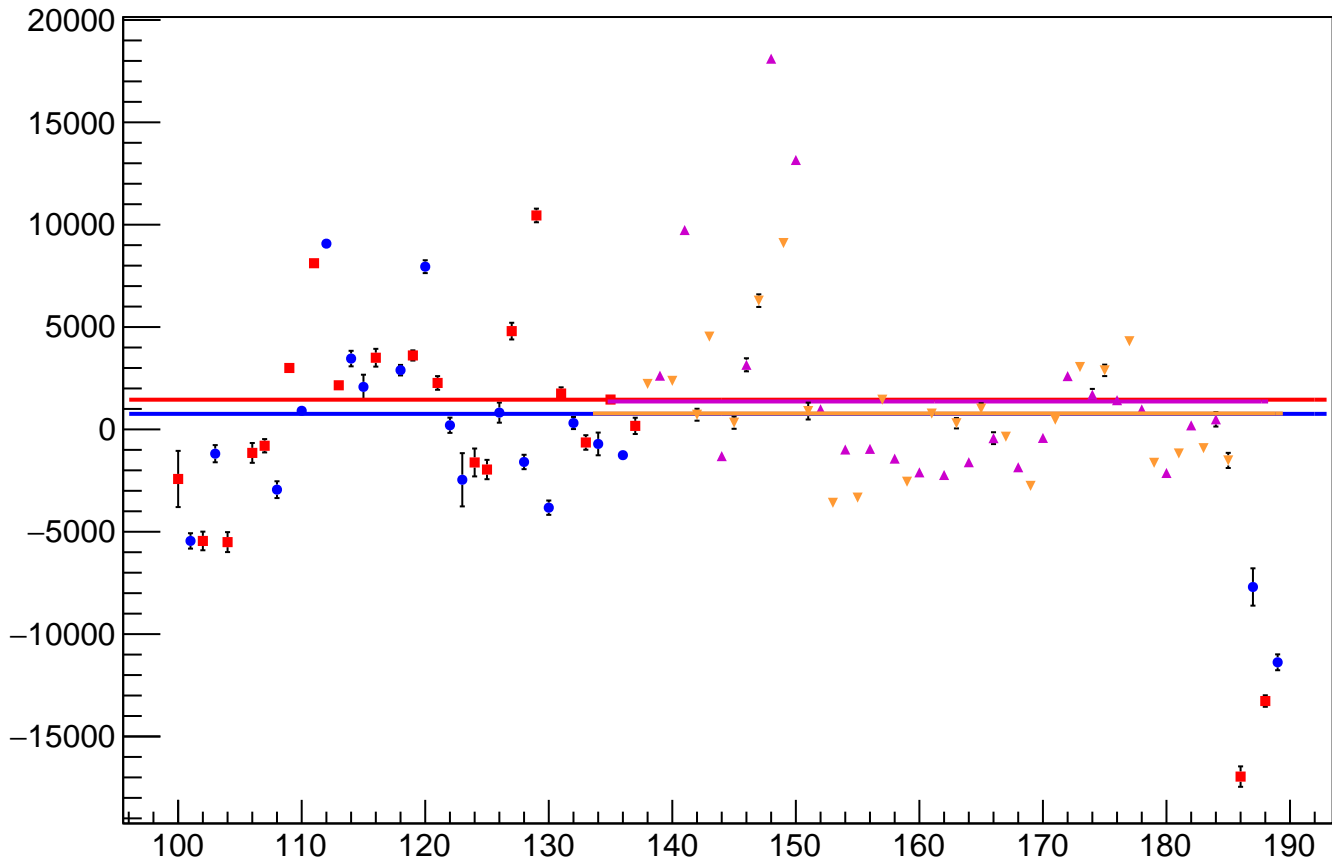
Left In: 177.821 \pm 0.031 χ^2 /NDF:862494.4/22

+ sign 186.735 \pm 0.027 χ^2 /NDF: 1490021.3/43

All: 180.330 \pm 0.018 χ^2 /NDF: 3508049.3/87

- sign 174.629 \pm 0.025 χ^2 /NDF: 1909487.6/43

asym_bpm0i05WS_mean vs Slug



Right In: 759.226 \pm 75.568 χ^2 /NDF: 3765.5/18

Left Out: 779.983 \pm 47.457 χ^2 /NDF:4260.8/24

Right Out: 1451.389 \pm 67.310 χ^2 /NDF: 6941.5/20

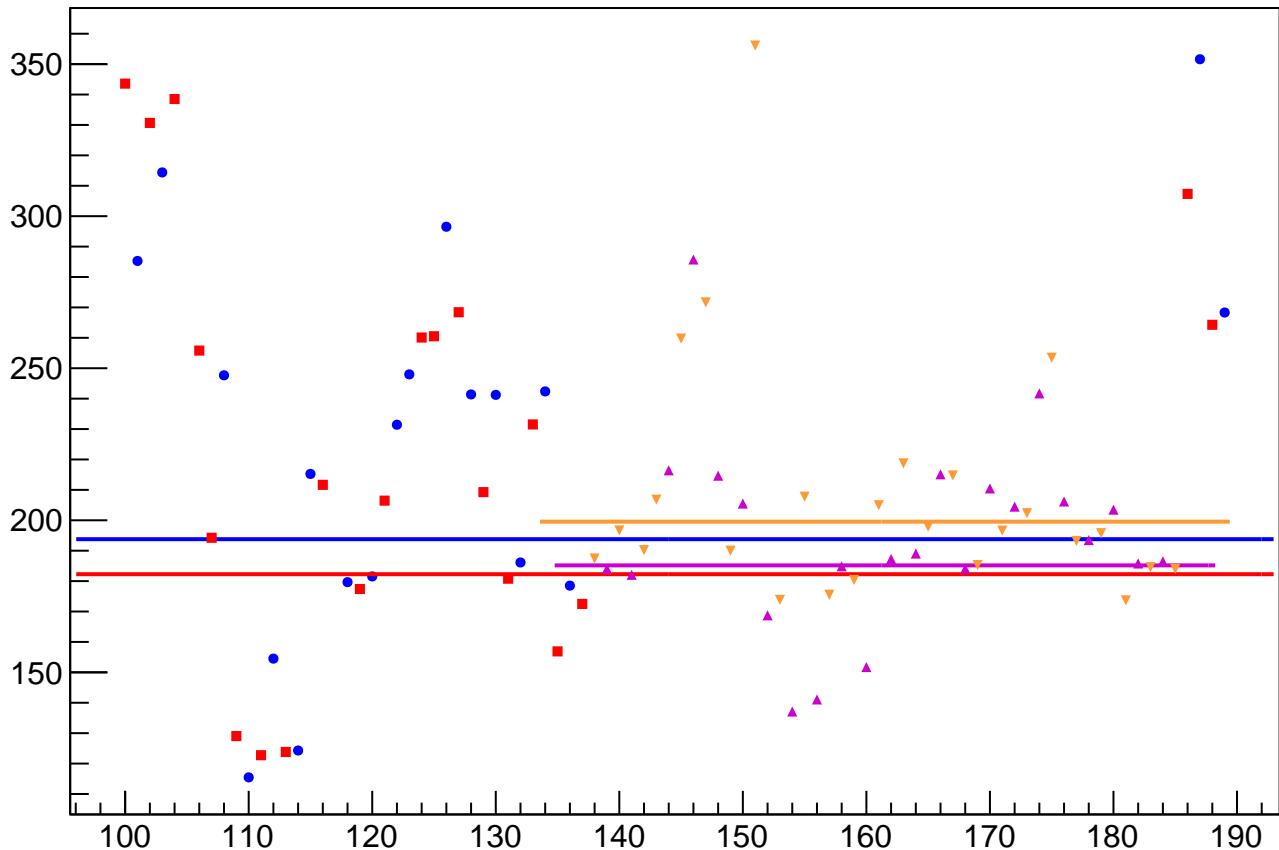
Left In: 1363.043 \pm 45.807 χ^2 /NDF:11632.9/22

+ sign 774.112 \pm 40.189 χ^2 /NDF: 8026.3/43

All: 1100.878 \pm 27.561 χ^2 /NDF: 26726.7/87

- sign 1391.007 \pm 37.869 χ^2 /NDF: 18575.5/43

asym_bpm0i05WS_rms vs Slug



Right In: 193.788 ± 0.053 $\chi^2/\text{NDF}: 1116703.6/18$

Left Out: 199.547 ± 0.034 $\chi^2/\text{NDF}: 729356.3/24$

Right Out: 182.270 ± 0.048 $\chi^2/\text{NDF}: 1610863.2/20$

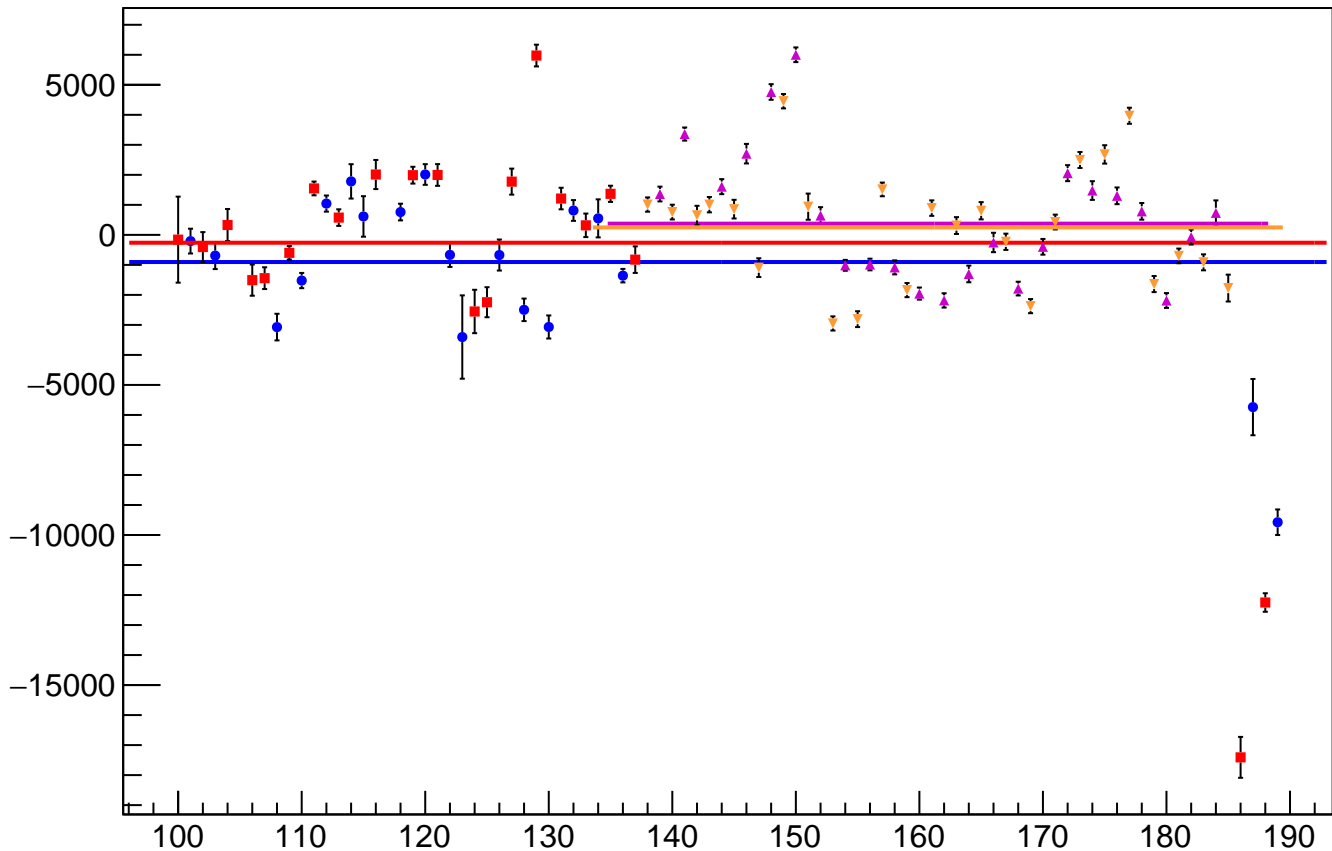
Left In: 185.171 ± 0.032 $\chi^2/\text{NDF}: 882752.2/22$

+ sign 197.918 ± 0.028 $\chi^2/\text{NDF}: 1854389.9/43$

All: 190.679 ± 0.019 $\chi^2/\text{NDF}: 4473026.4/87$

- sign 184.253 ± 0.027 $\chi^2/\text{NDF}: 2496153.2/43$

asym_bpm0i07WS_mean vs Slug



Right In: -904.794 ± 86.550 $\chi^2/\text{NDF}: 748.2/18$

Left Out: 247.844 ± 53.555 $\chi^2/\text{NDF}: 1355.1/24$

Right Out: -261.608 ± 78.921 $\chi^2/\text{NDF}: 2762.3/20$

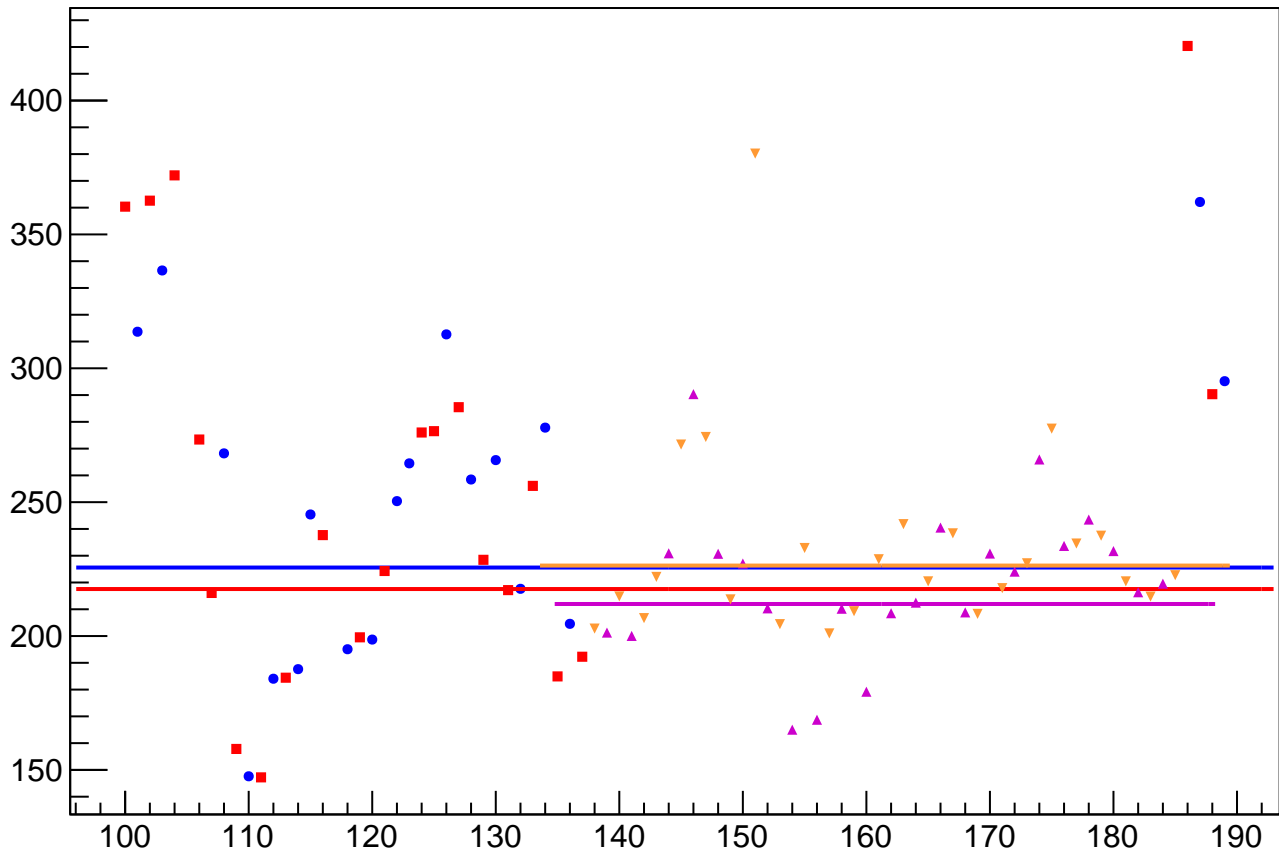
Left In: 374.122 ± 52.049 $\chi^2/\text{NDF}: 1801.0/22$

+ sign -71.287 ± 45.542 $\chi^2/\text{NDF}: 2231.5/43$

All: 61.004 ± 31.437 $\chi^2/\text{NDF}: 6856.2/87$

- sign 181.425 ± 43.450 $\chi^2/\text{NDF}: 4608.6/43$

asym_bpm0i07WS_rms vs Slug



Right In: 225.585 \pm 0.061 χ^2 /NDF: 745846.6/18

Left Out: 226.322 \pm 0.038 χ^2 /NDF: 521041.8/24

+ sign 226.118 \pm 0.032 χ^2 /NDF: 1266993.1/43

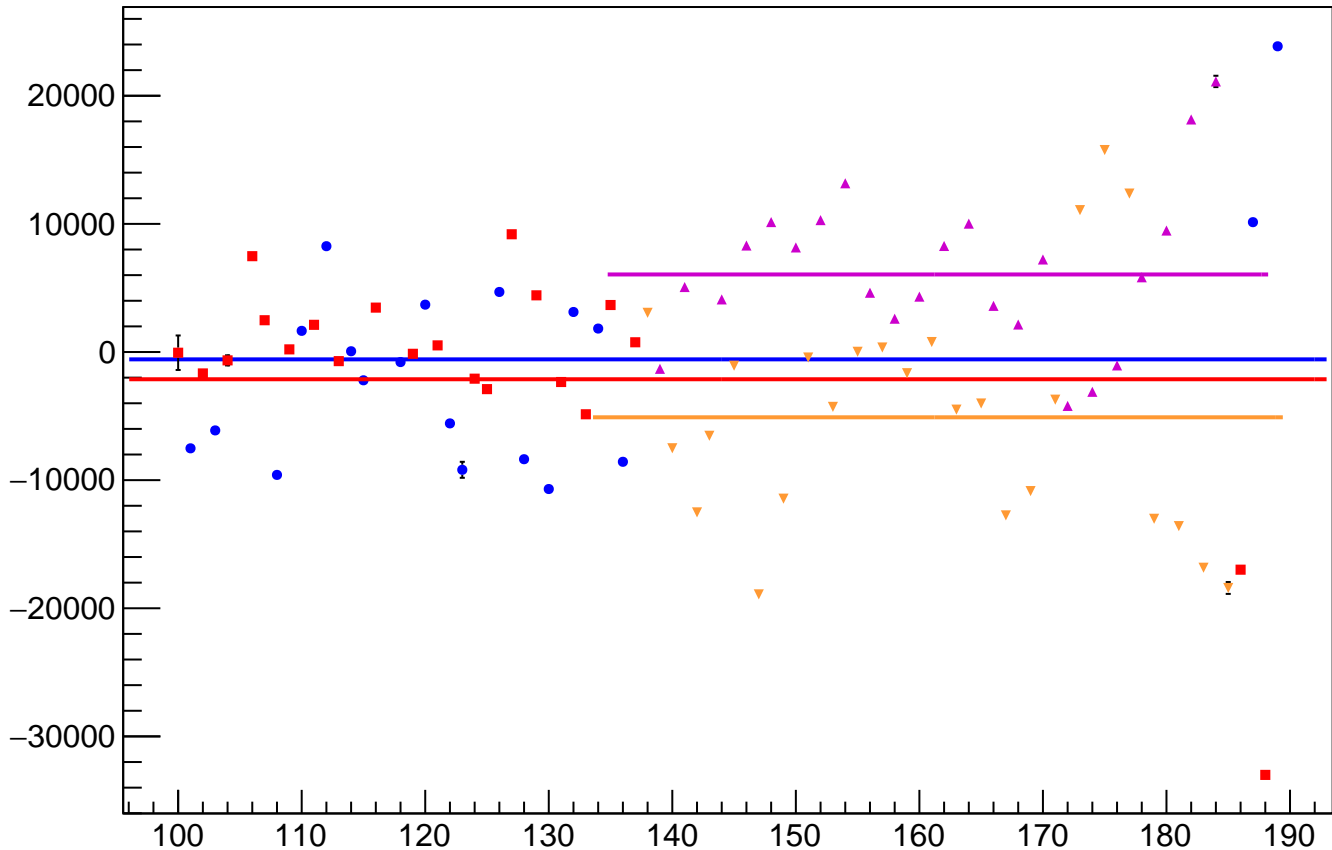
Right Out: 217.557 \pm 0.056 χ^2 /NDF: 1187469.1/20

All: 219.598 \pm 0.022 χ^2 /NDF: 3124088.7/87

- sign 213.664 \pm 0.031 χ^2 /NDF: 1778799.2/43

Left In: 211.970 \pm 0.037 χ^2 /NDF: 584344.5/22

asym_bpm1i02WS_mean vs Slug



Right In: -573.110 ± 45.816 $\chi^2/\text{NDF}: 32640.7/18$

Left Out: -5095.305 ± 33.703 $\chi^2/\text{NDF}: 54395.4/24$

+ sign -3507.438 ± 27.149 $\chi^2/\text{NDF}: 93357.5/43$

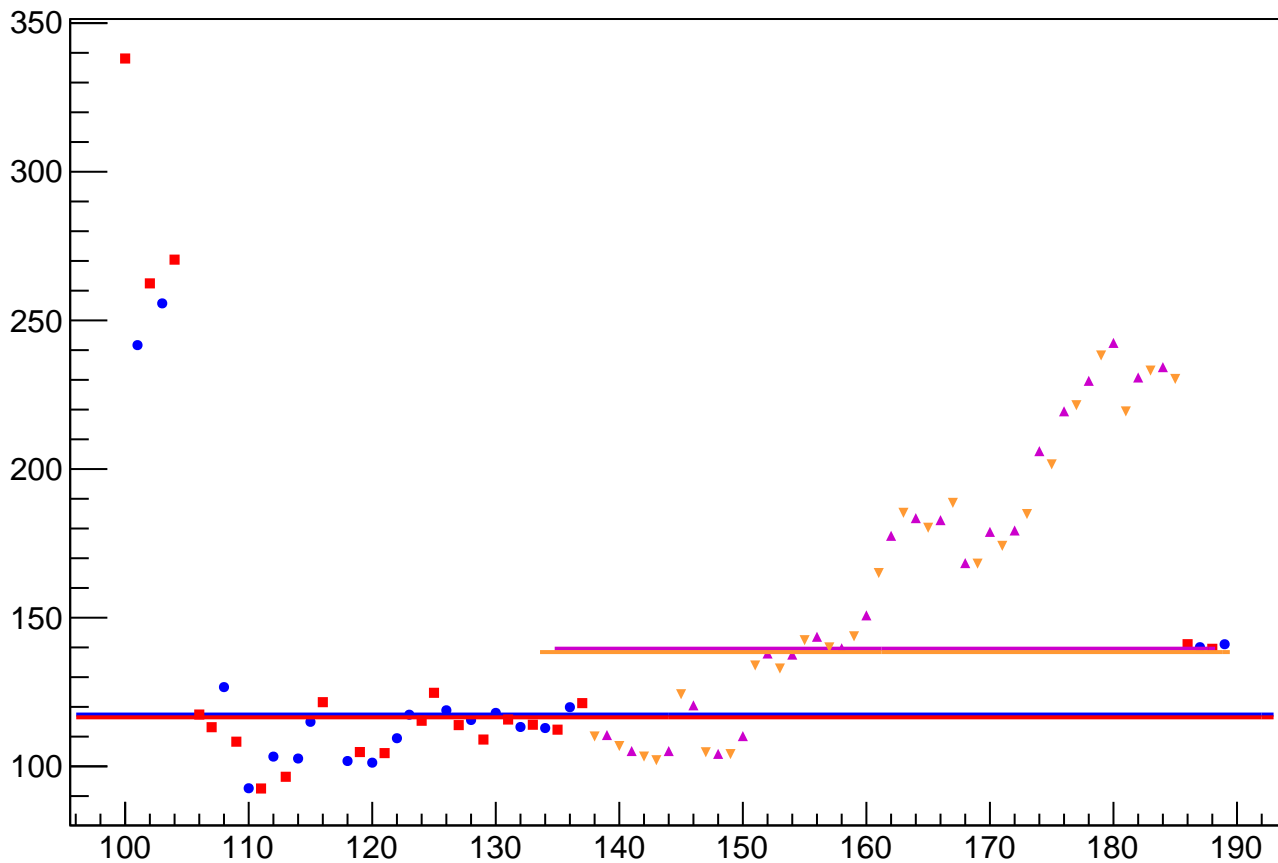
Right Out: -2125.844 ± 42.298 $\chi^2/\text{NDF}: 59450.8/20$

All: -367.696 ± 19.132 $\chi^2/\text{NDF}: 219163.8/87$

- sign 2729.548 ± 26.965 $\chi^2/\text{NDF}: 99238.3/43$

Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

asym_bpm1i02WS_rms vs Slug



Right In: 117.422 \pm 0.032 χ^2 /NDF: 780564.1/18

Left Out: 138.436 \pm 0.024 χ^2 /NDF:2549435.8/24

Right Out: 116.486 \pm 0.030 χ^2 /NDF: 876193.5/20

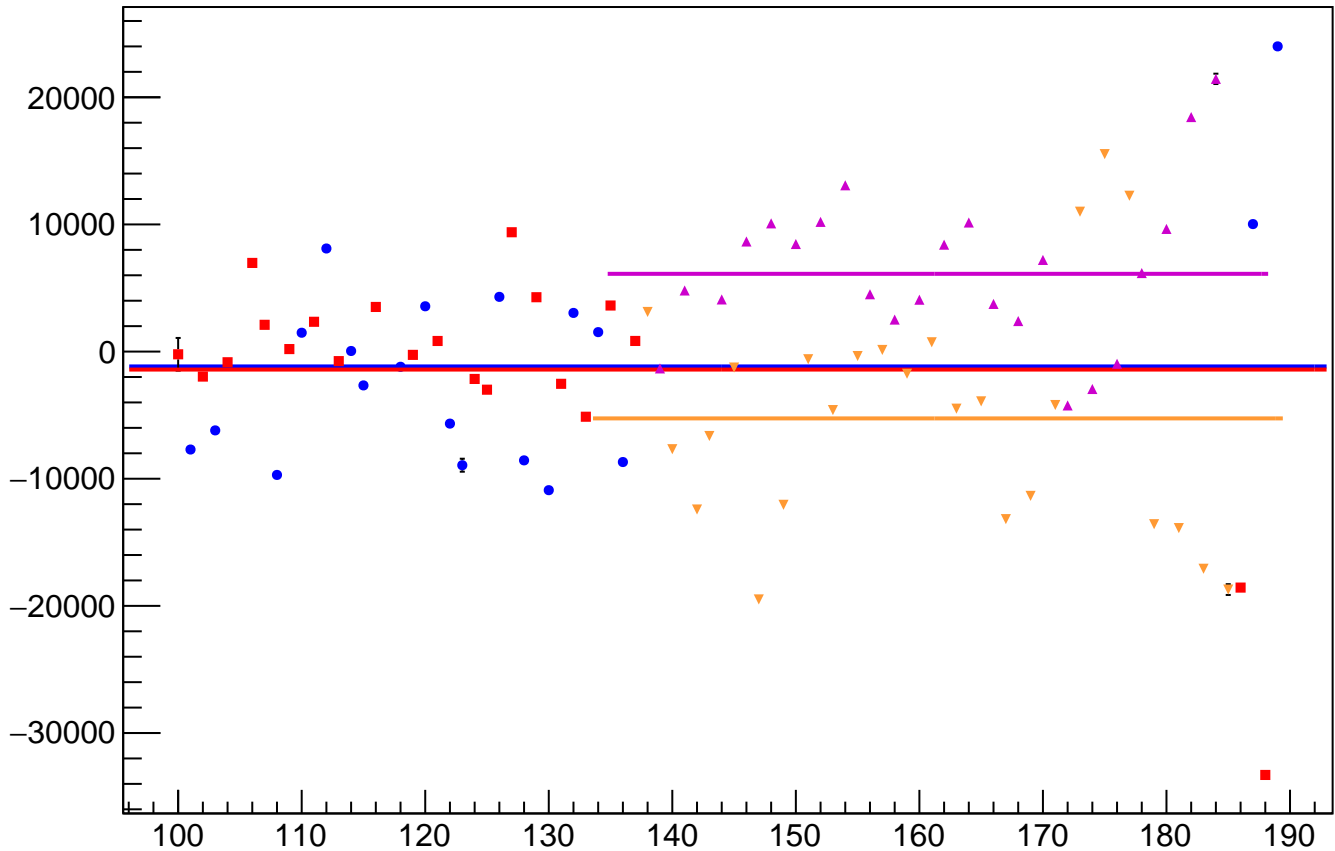
Left In: 139.578 \pm 0.025 χ^2 /NDF:2413658.9/22

+ sign 131.057 \pm 0.019 χ^2 /NDF: 3603003.2/43

All: 130.622 \pm 0.014 χ^2 /NDF: 7247713.3/87

- sign 130.193 \pm 0.019 χ^2 /NDF: 3643691.3/43

asym_bpm1i04WS_mean vs Slug



Right In: -1168.164 ± 39.097 $\chi^2/\text{NDF}: 38380.5/18$

Left Out: -5255.652 ± 30.622 $\chi^2/\text{NDF}: 64324.6/24$

+ sign -3701.538 ± 24.108 $\chi^2/\text{NDF}: 109479.6/43$

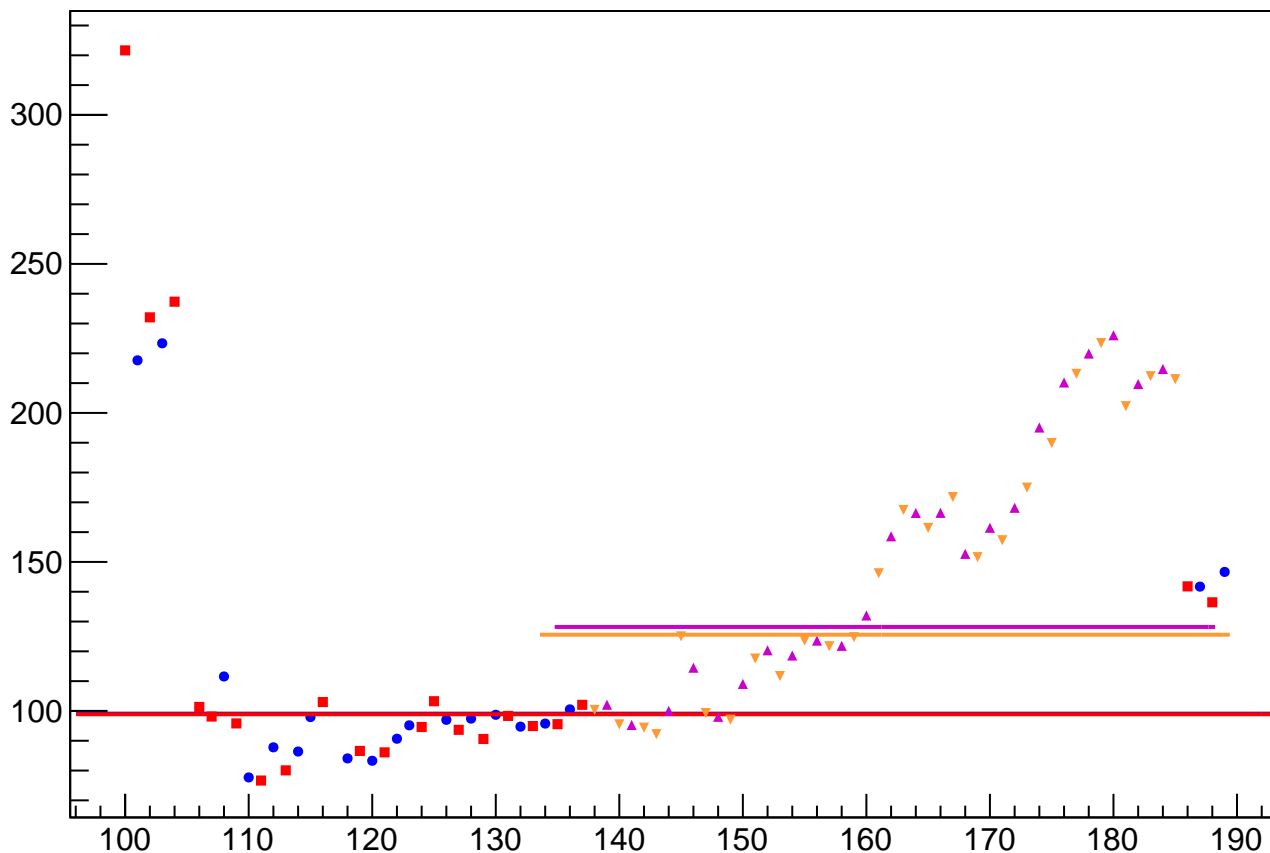
Right Out: -1415.244 ± 36.320 $\chi^2/\text{NDF}: 67543.6/20$

All: -439.979 ± 17.031 $\chi^2/\text{NDF}: 258940.9/87$

- sign 2809.596 ± 24.063 $\chi^2/\text{NDF}: 112920.9/43$

Left In: 6114.901 ± 32.126 $\chi^2/\text{NDF}: 21260.9/22$

asym_bpm1i04WS_rms vs Slug



Right In: 99.084 \pm 0.028 χ^2 /NDF: 950008.4/18

Left Out: 125.577 \pm 0.022 χ^2 /NDF: 2595752.6/24

Right Out: 98.892 \pm 0.026 χ^2 /NDF: 1082106.3/20

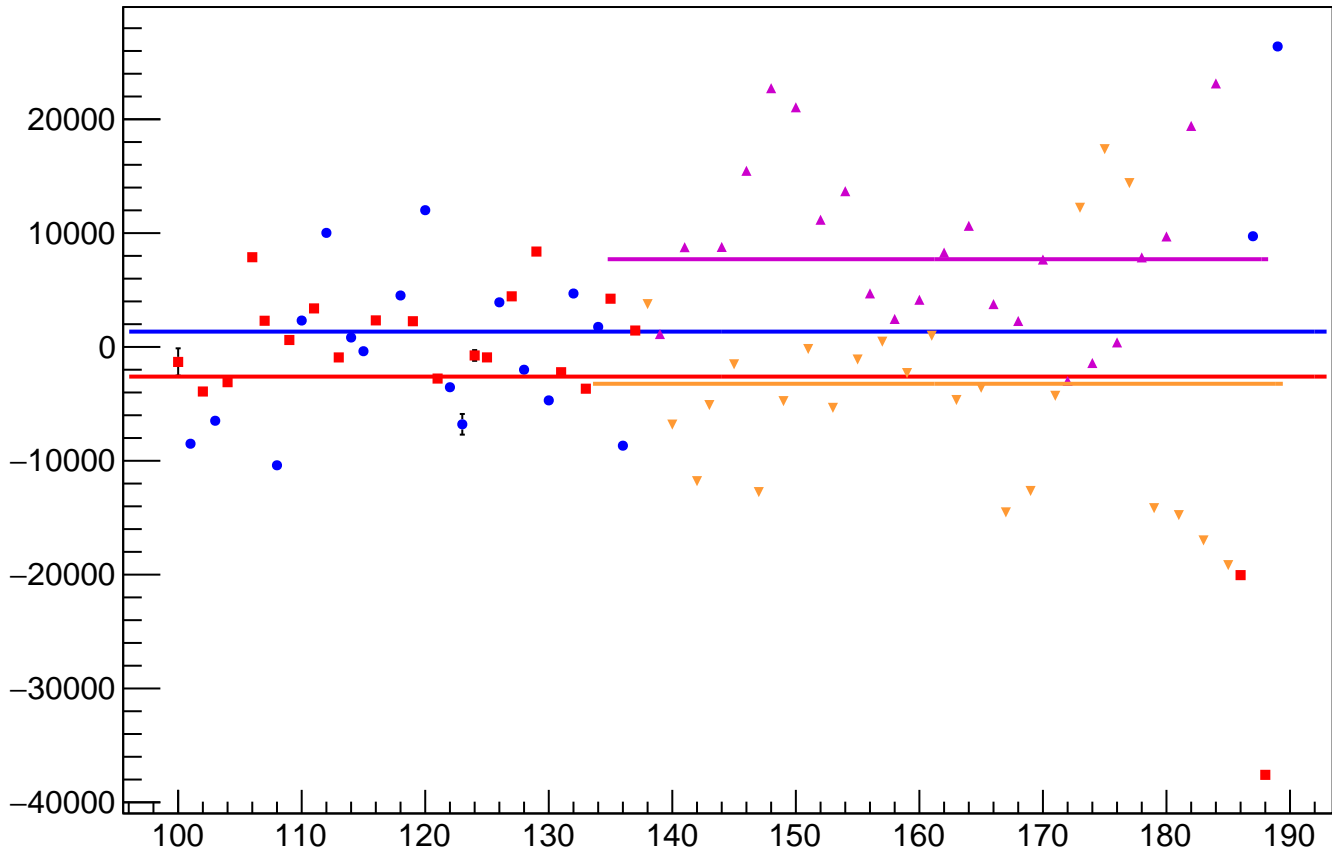
Left In: 128.184 \pm 0.023 χ^2 /NDF: 2332977.5/22

+ sign 115.504 \pm 0.017 χ^2 /NDF: 4114964.1/43

All: 115.415 \pm 0.012 χ^2 /NDF: 8259948.4/87

- sign 115.326 \pm 0.017 χ^2 /NDF: 4144929.7/43

asym_bpm1i06WS_mean vs Slug



Right In: 1347.541+/-53.016 χ^2/NDF : 27730.9/18

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: -2604.159+/-49.197 χ^2/NDF : 55671.5/20

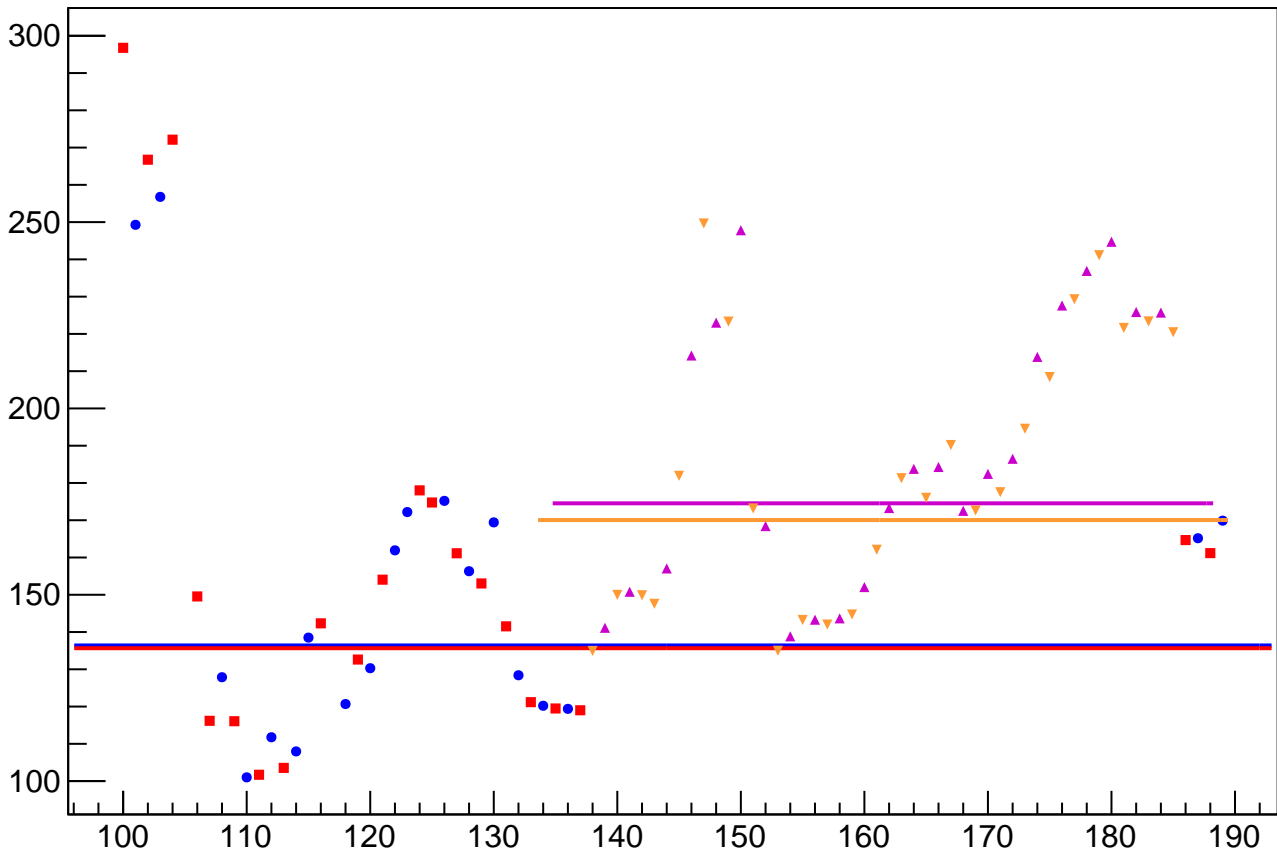
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign -1541.874+/-32.225 χ^2/NDF : 69181.6/43

All: 839.504+/-22.838 χ^2/NDF : 182001.4/87

- sign 3242.630+/-32.372 χ^2/NDF : 101848.1/43

asym_bpm1i06WS_rms vs Slug



Right In: 136.396 \pm 0.037 χ^2 /NDF: 836158.8/18

Left Out: 170.050 \pm 0.029 χ^2 /NDF: 1240866.9/24

Right Out: 135.656 \pm 0.035 χ^2 /NDF: 942033.9/20

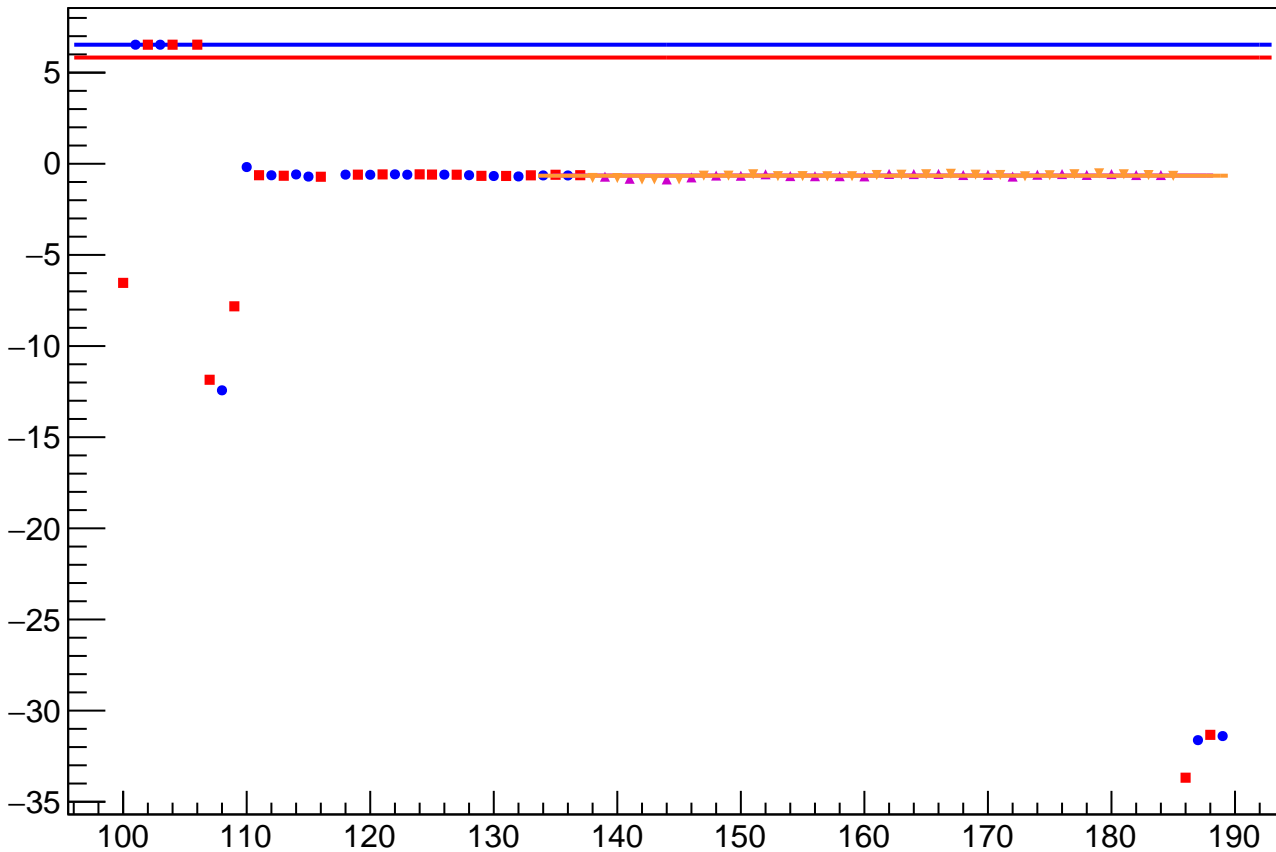
Left In: 174.539 \pm 0.030 χ^2 /NDF: 1210071.2/22

+ sign 157.616 \pm 0.023 χ^2 /NDF: 2585172.8/43

All: 157.660 \pm 0.016 χ^2 /NDF: 5445675.1/87

- sign 157.704 \pm 0.023 χ^2 /NDF: 2860494.8/43

yield_cav4bX_mean vs Slug



Right In: 6.532+/-0.000 χ^2/NDF : 127627934831.1/18

Left Out: -0.654+/-0.000 χ^2/NDF : 179109810.4/24

Right Out: 5.827+/-0.000 χ^2/NDF : 755947459633464.1/20

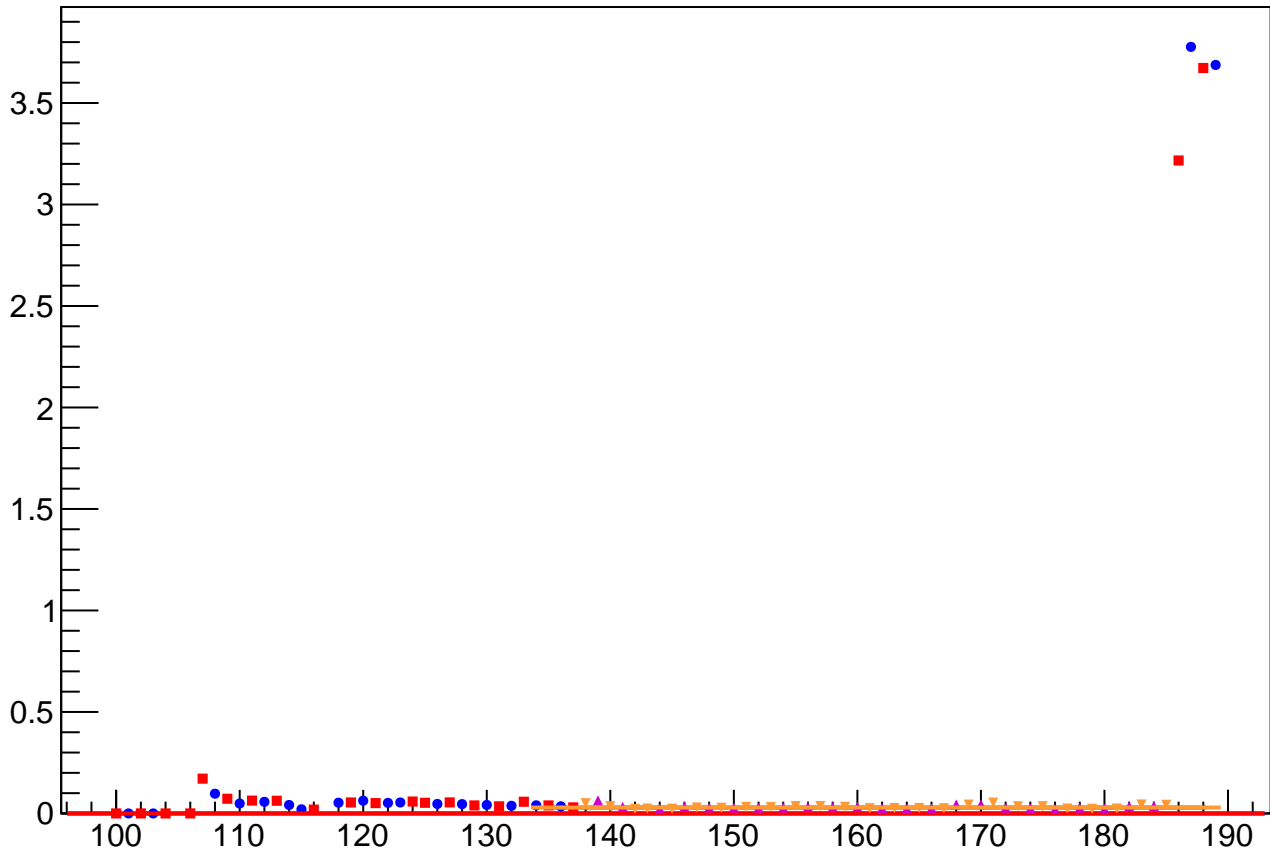
Left In: -0.644+/-0.000 χ^2/NDF : 122913584.0/22

+ sign 6.530+/-0.000 χ^2/NDF : 999017237290.5/43

All: 6.153+/-0.000 χ^2/NDF : 7776016259405

- sign 5.826+/-0.000 χ^2/NDF : 756618804255566.6

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10205352.5/18

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11760216.4/20

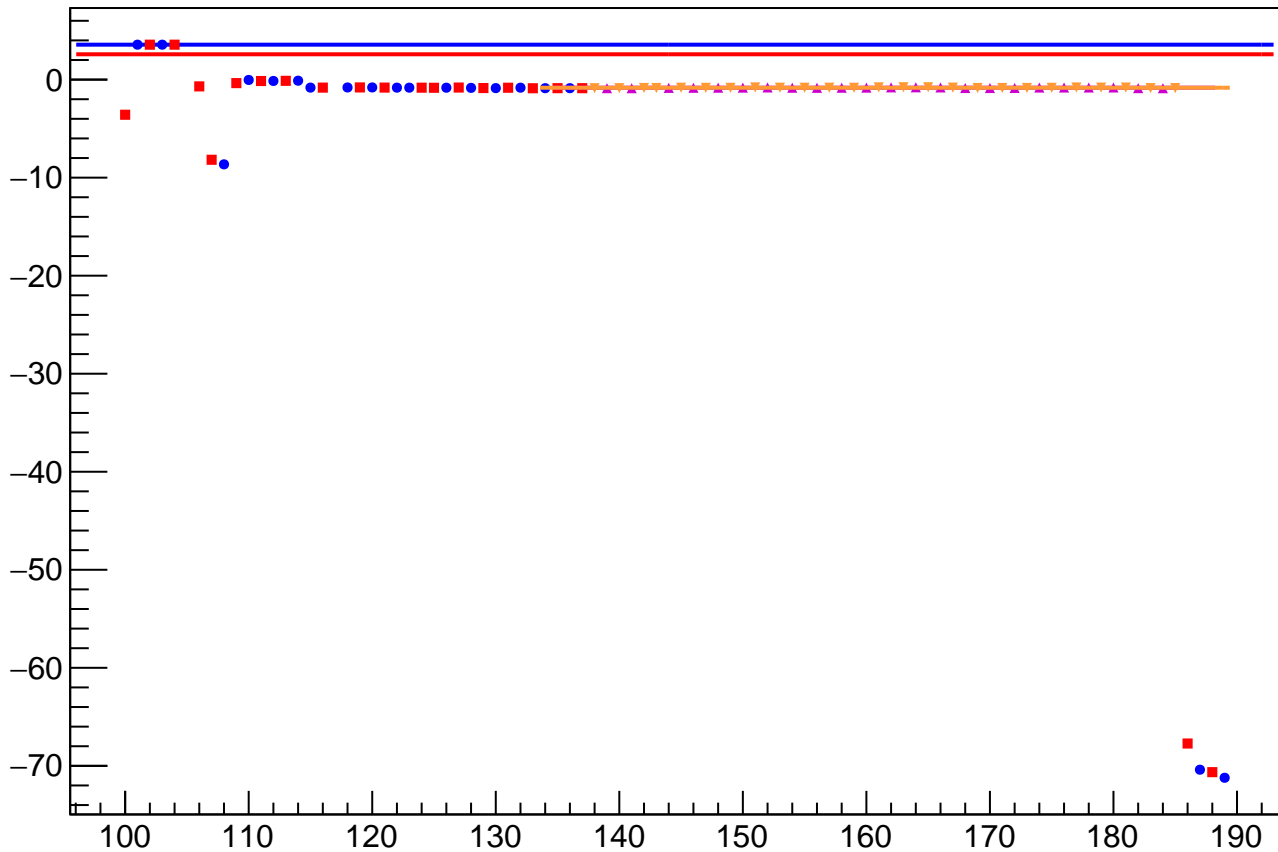
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 40076767.6/43

All: 0.000+/-0.000 χ^2/NDF : 79803380.7/87

- sign 0.000+/-0.000 χ^2/NDF : 39725929.2/43

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 485939329249.8/18

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253506251724814.5/20

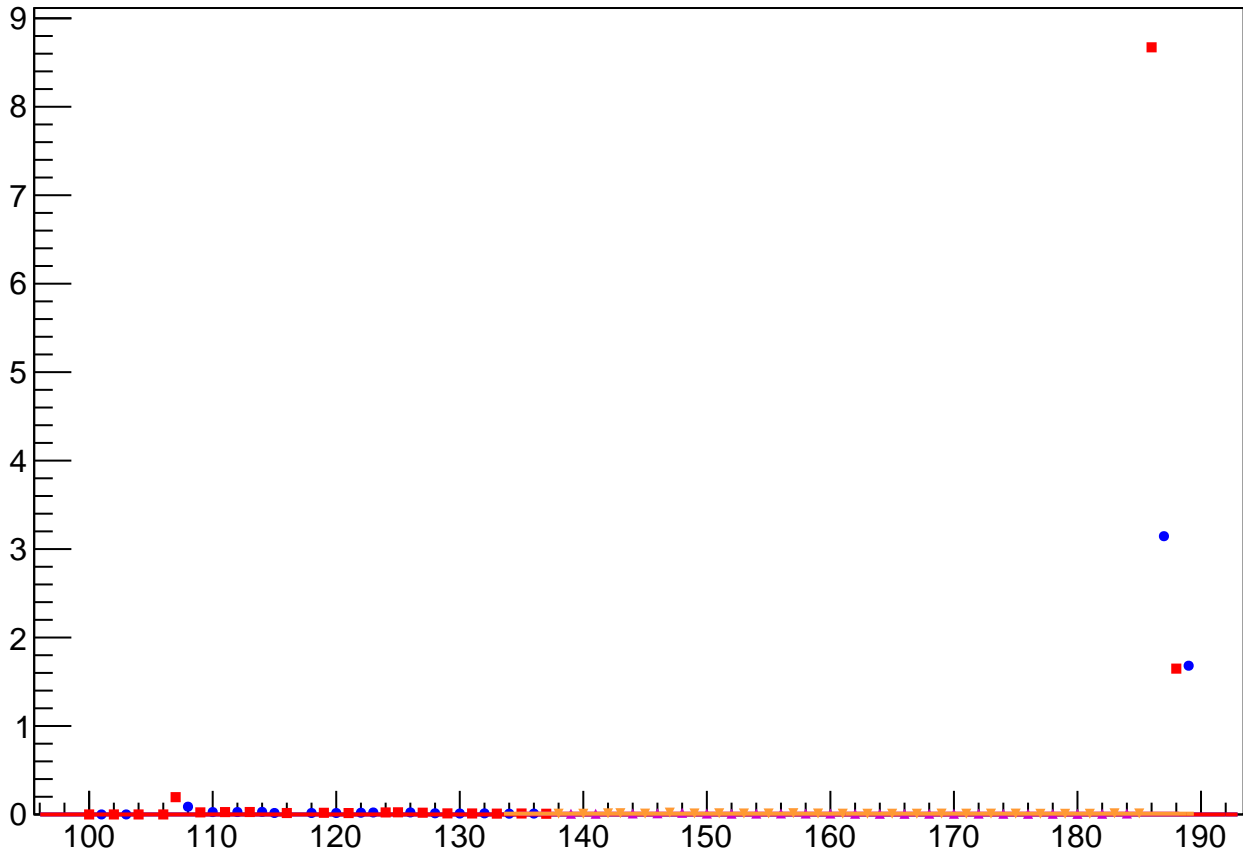
Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560+/-0.000 χ^2/NDF : 4168096668210.1/43

All: 3.038+/-0.000 χ^2/NDF : 13879498620785

- sign 2.581+/-0.000 χ^2/NDF : 1255706305104743.2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 10954178.0/18

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 12184093.0/20

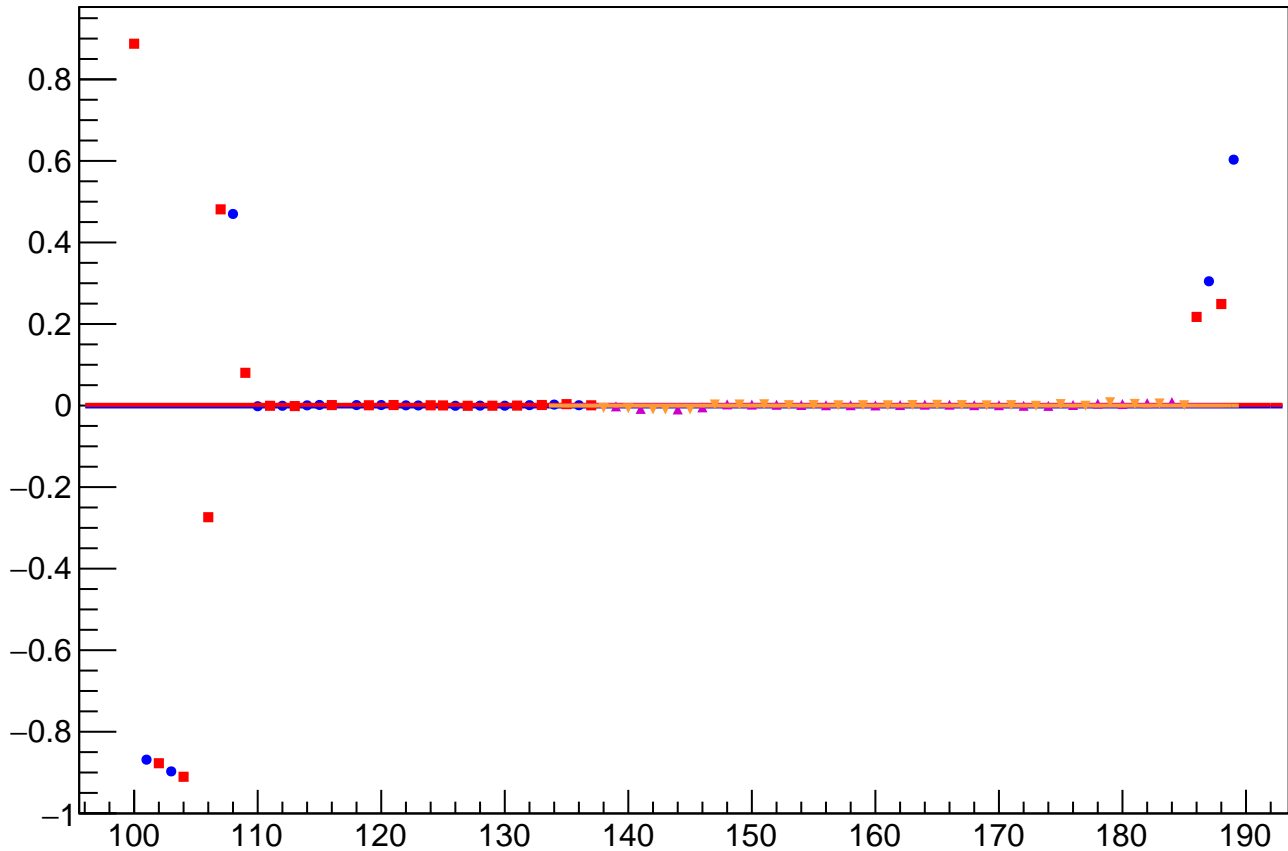
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 42363059.2/43

All: 0.000+/-0.000 χ^2/NDF : 84093875.2/87

- sign 0.000+/-0.000 χ^2/NDF : 41729692.6/43

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2 /NDF: 9795560562.2/18

Left Out: -0.000+/-0.000 χ^2 /NDF: 151482851.1/24

Right Out: 0.002+/-0.000 χ^2 /NDF: 3041376029.4/20

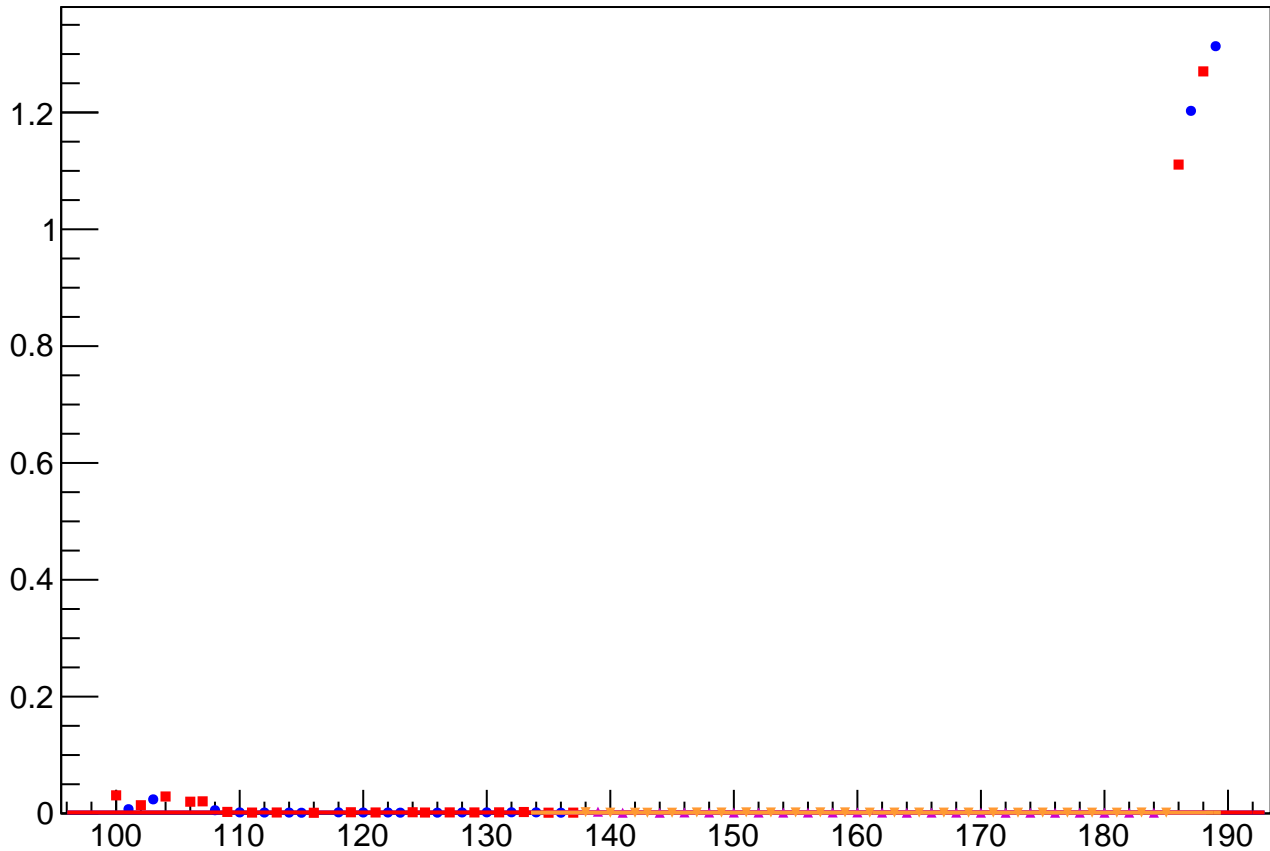
Left In: 0.001+/-0.000 χ^2 /NDF: 101439617.3/22

+ sign -0.001+/-0.000 χ^2 /NDF: 9953581709.3/43

All: 0.000+/-0.000 χ^2 /NDF: 13105941859.1/8

- sign 0.001+/-0.000 χ^2 /NDF: 3144779558.7/43

yield_cav4cX_rms vs Slug



Right In: 0.002 \pm 0.000 χ^2 /NDF: 3104027.1/18

Left Out: 0.001 \pm 0.000 χ^2 /NDF:539817.3/24

Right Out: 0.002 \pm 0.000 χ^2 /NDF: 5412273.9/20

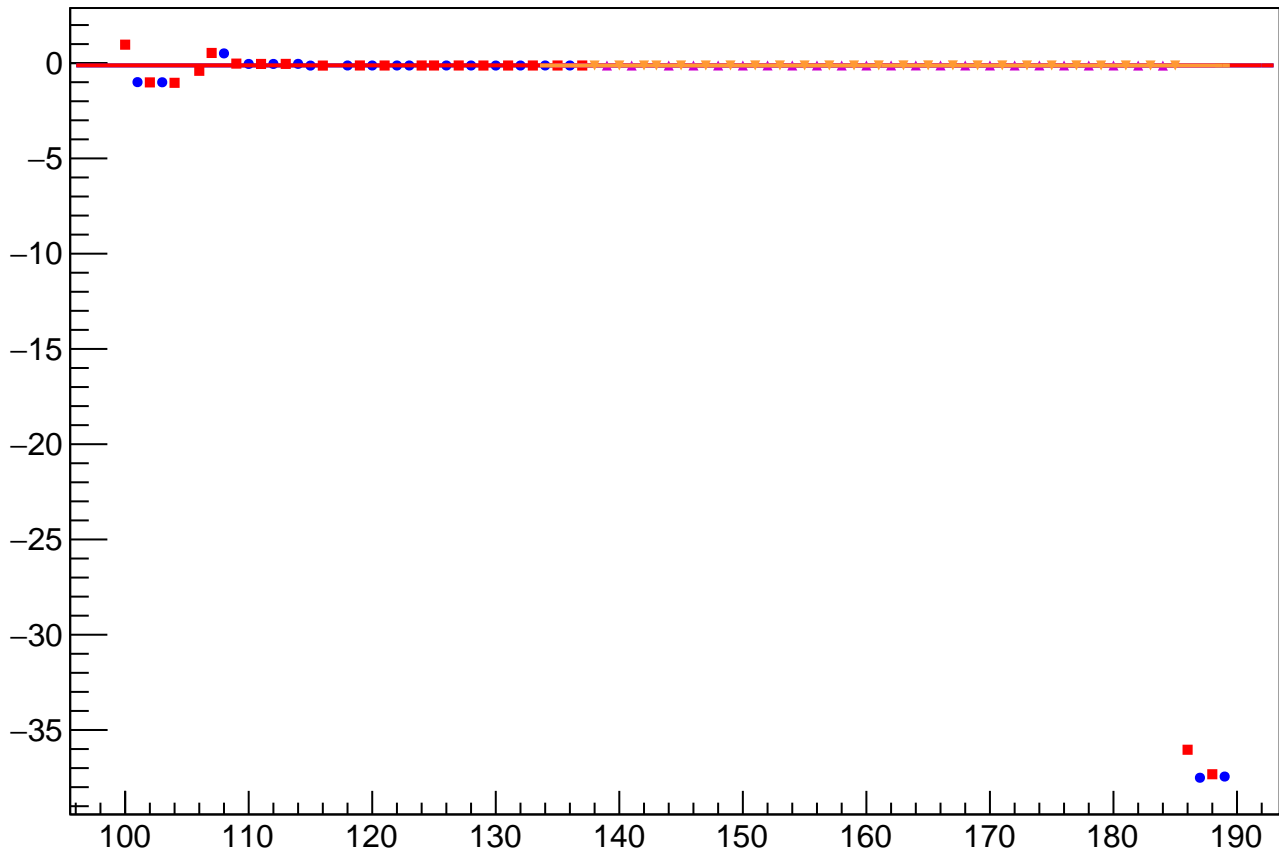
Left In: 0.001 \pm 0.000 χ^2 /NDF:626044.8/22

+ sign 0.002 \pm 0.000 χ^2 /NDF: 3714268.7/43

All: 0.002 \pm 0.000 χ^2 /NDF: 9869356.7/87

- sign 0.002 \pm 0.000 χ^2 /NDF: 6146159.0/43

yield_cav4cY_mean vs Slug



Right In: -0.120 ± 0.000 χ^2/NDF : 6293033068.3/18

Left Out: -0.121 ± 0.000 χ^2/NDF : 58120109.3/24

Right Out: -0.115 ± 0.000 χ^2/NDF : 7841390064.4/20

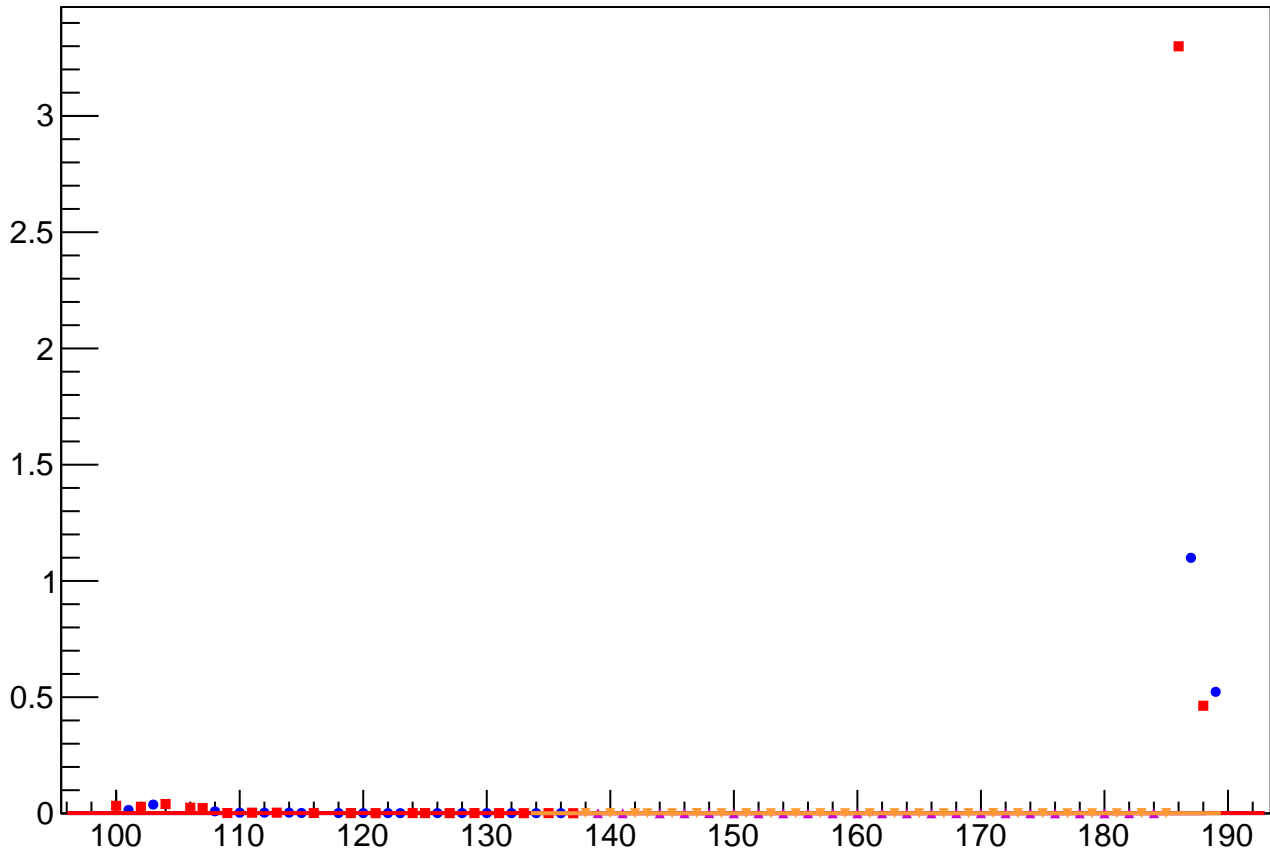
Left In: -0.121 ± 0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121 ± 0.000 χ^2/NDF : 6352021331.8/43

All: -0.121 ± 0.000 χ^2/NDF : 14299846589.2

- sign -0.120 ± 0.000 χ^2/NDF : 7943701990.8/43

yield_cav4cY_rms vs Slug



Right In: 0.002 \pm 0.000 χ^2 /NDF: 4042224.5/18

Left Out: 0.001 \pm 0.000 χ^2 /NDF:1363316.8/24

Right Out: 0.002 \pm 0.000 χ^2 /NDF: 5891856.8/20

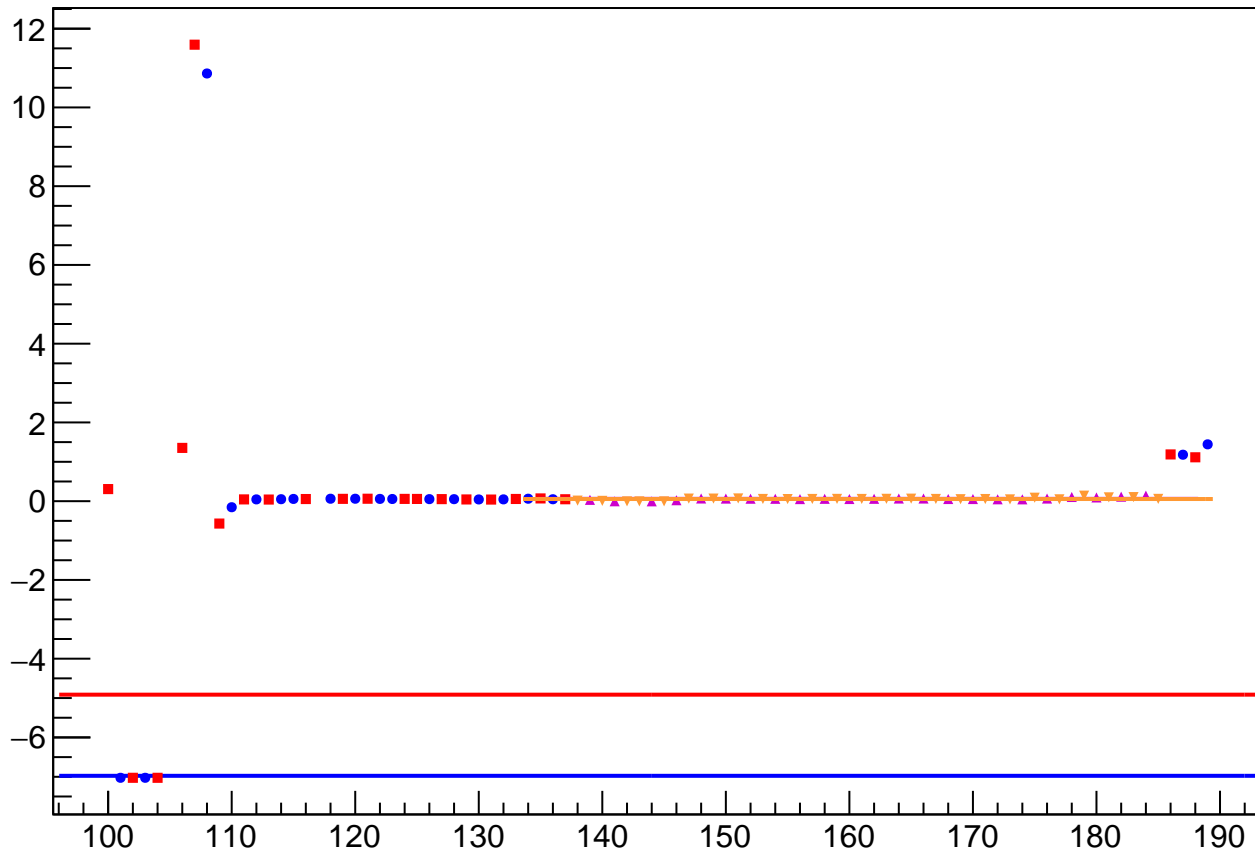
Left In: 0.001 \pm 0.000 χ^2 /NDF:970801.8/22

+ sign 0.001 \pm 0.000 χ^2 /NDF: 6586649.6/43

All: 0.001 \pm 0.000 χ^2 /NDF: 14559802.4/87

- sign 0.001 \pm 0.000 χ^2 /NDF: 7971338.1/43

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8797389084913.4/18$

Left Out: 0.055 ± 0.000 $\chi^2/\text{NDF}: 243682351.4/24$

+ sign -6.921 ± 0.000 $\chi^2/\text{NDF}: 18423704009879.6/18$

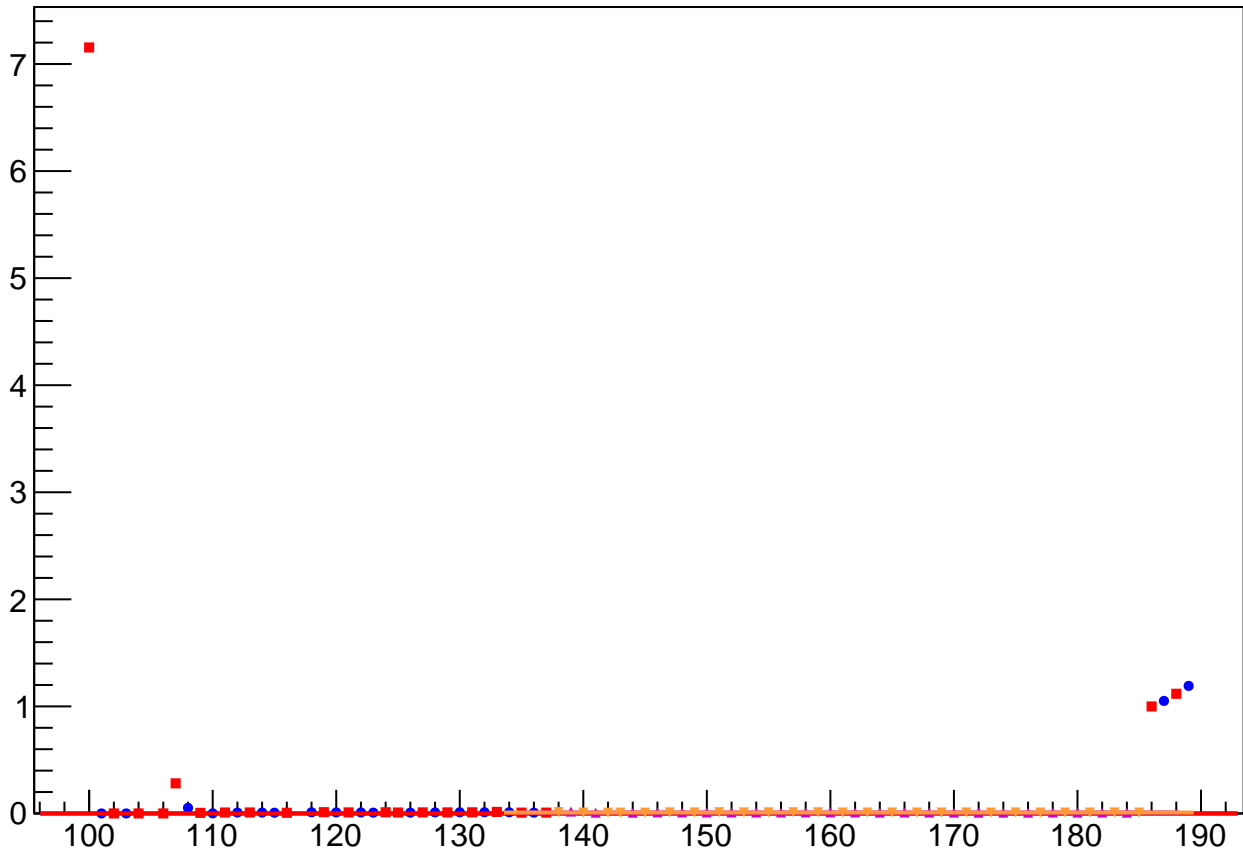
Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365352694172718.6/20$

All: -5.858 ± 0.000 $\chi^2/\text{NDF}: 4435286347933.4/20$

- sign -4.882 ± 0.000 $\chi^2/\text{NDF}: 369731715189642.5/20$

Left In: 0.059 ± 0.000 $\chi^2/\text{NDF}: 178541521.9/22$

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 9536508.2/18

Left Out: 0.009+/-0.000 χ^2 /NDF: 514432.8/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 11174432.9/20

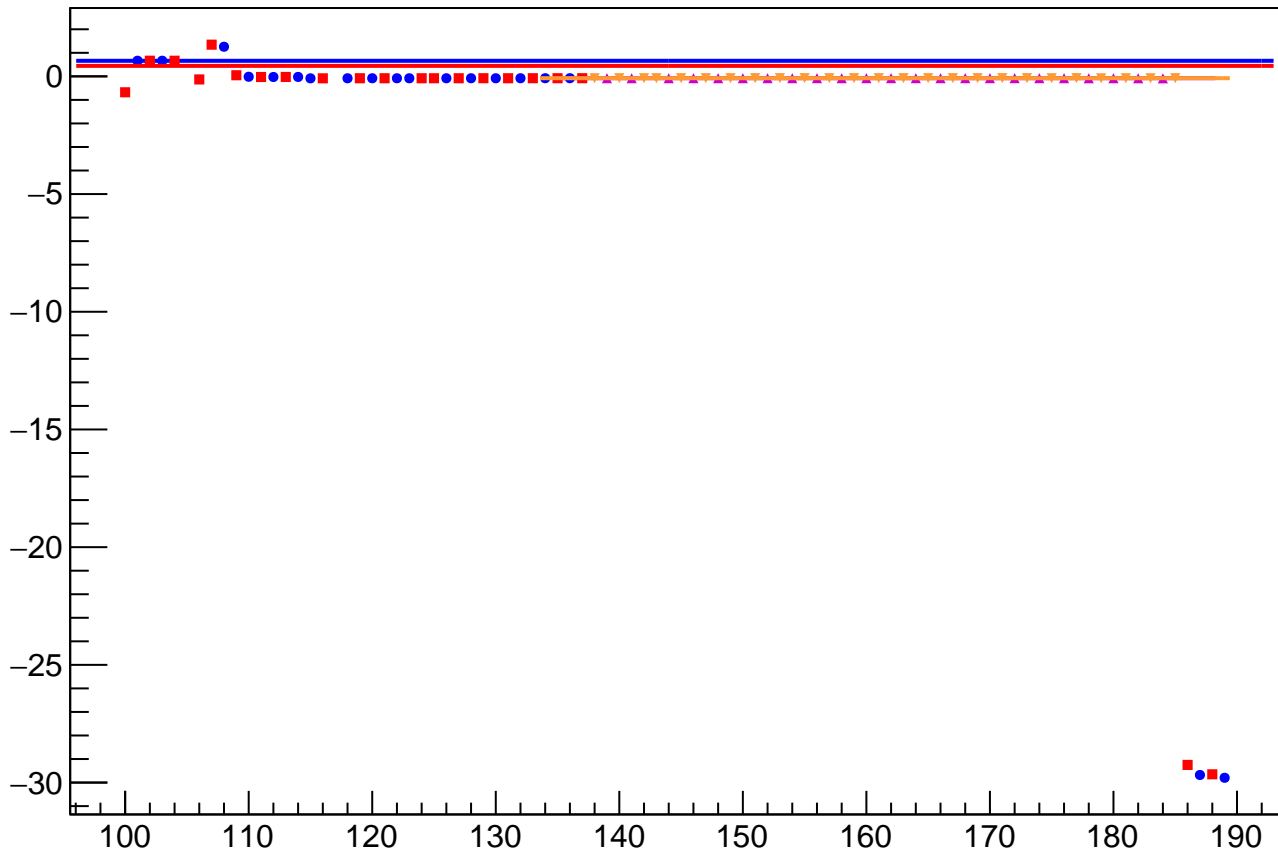
Left In: 0.009+/-0.000 χ^2 /NDF: 602517.2/22

+ sign 0.000+/-0.000 χ^2 /NDF: 38439327.5/43

All: 0.000+/-0.000 χ^2 /NDF: 77075294.0/87

- sign 0.000+/-0.000 χ^2 /NDF: 38631157.9/43

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5660987652808.9/18

Left Out: -0.078+/-0.000 χ^2/NDF : 156404795.7/24

Right Out: 0.446+/-0.000 χ^2/NDF : 405433478660382.4/20

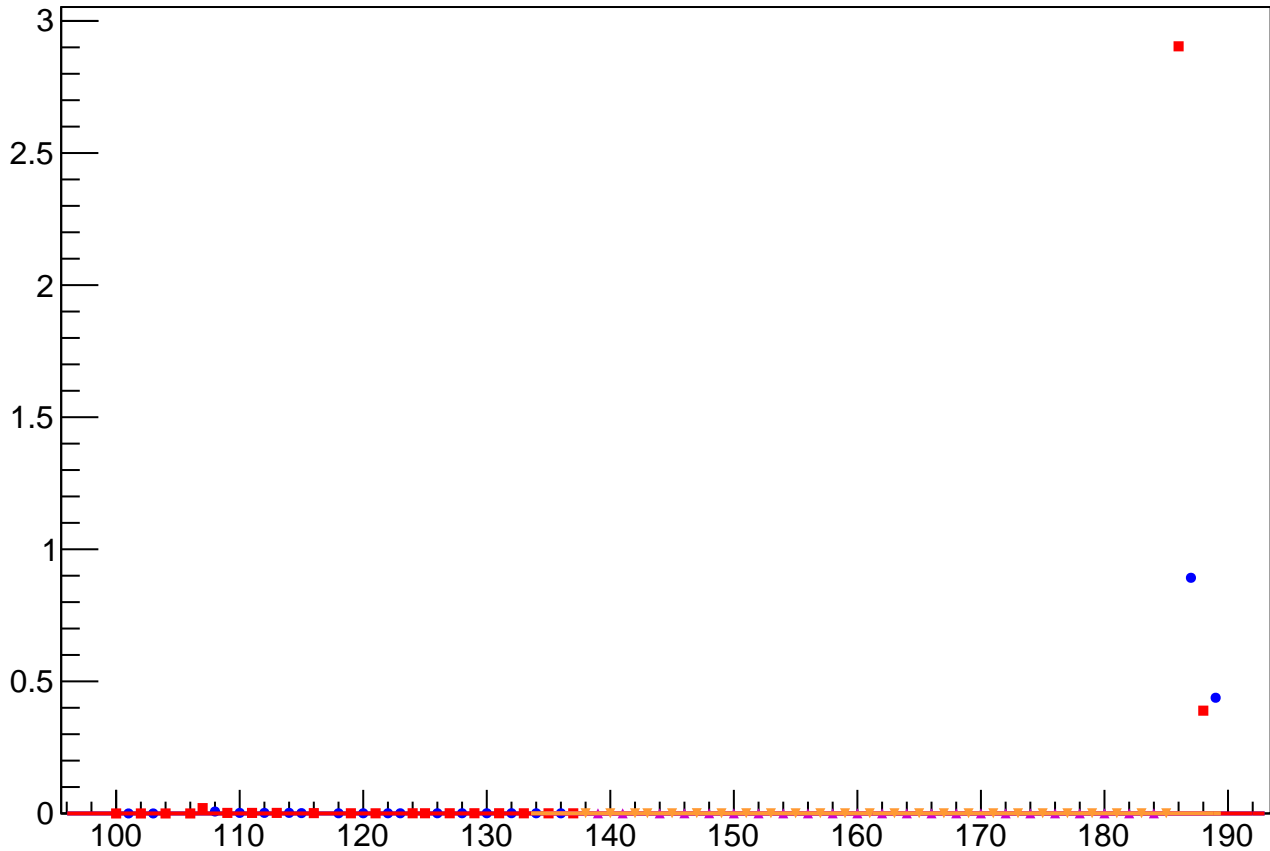
Left In: -0.077+/-0.000 χ^2/NDF : 110762924.1/22

+ sign 0.646+/-0.000 χ^2/NDF : 35759813036855.9/4

All: 0.537+/-0.000 χ^2/NDF : 51585224889419

- sign 0.437+/-0.000 χ^2/NDF : 419555534349815.2/4

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11130346.5/18

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11850768.2/20

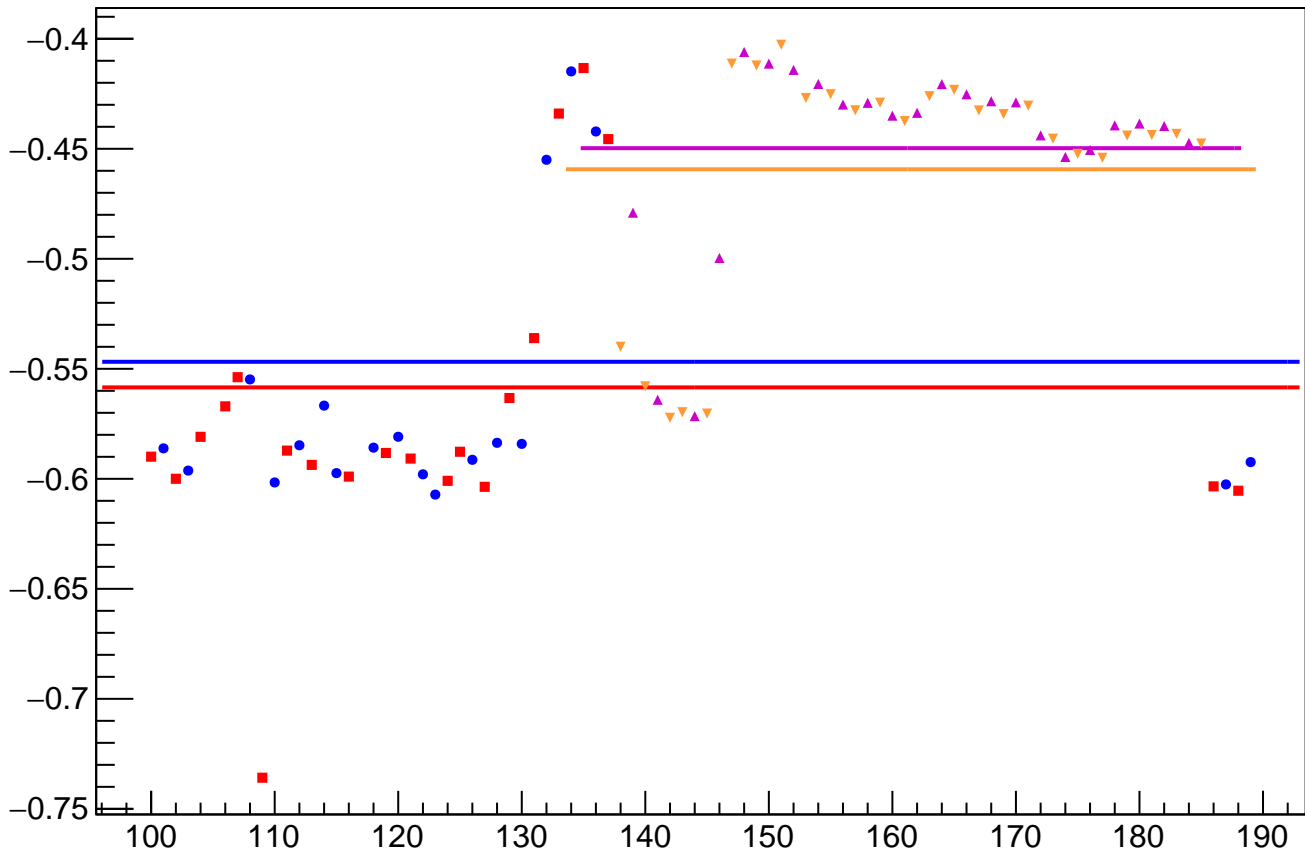
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 43684480.0/43

All: 0.000+/-0.000 χ^2/NDF : 86336473.8/87

- sign 0.000+/-0.000 χ^2/NDF : 42644167.8/43

yield_bpm4aX_mean vs Slug



Right In: -0.547 ± 0.000 $\chi^2/\text{NDF}: 46920498.7/18$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 113602161.0/24$

Right Out: -0.558 ± 0.000 $\chi^2/\text{NDF}: 65238071.8/20$

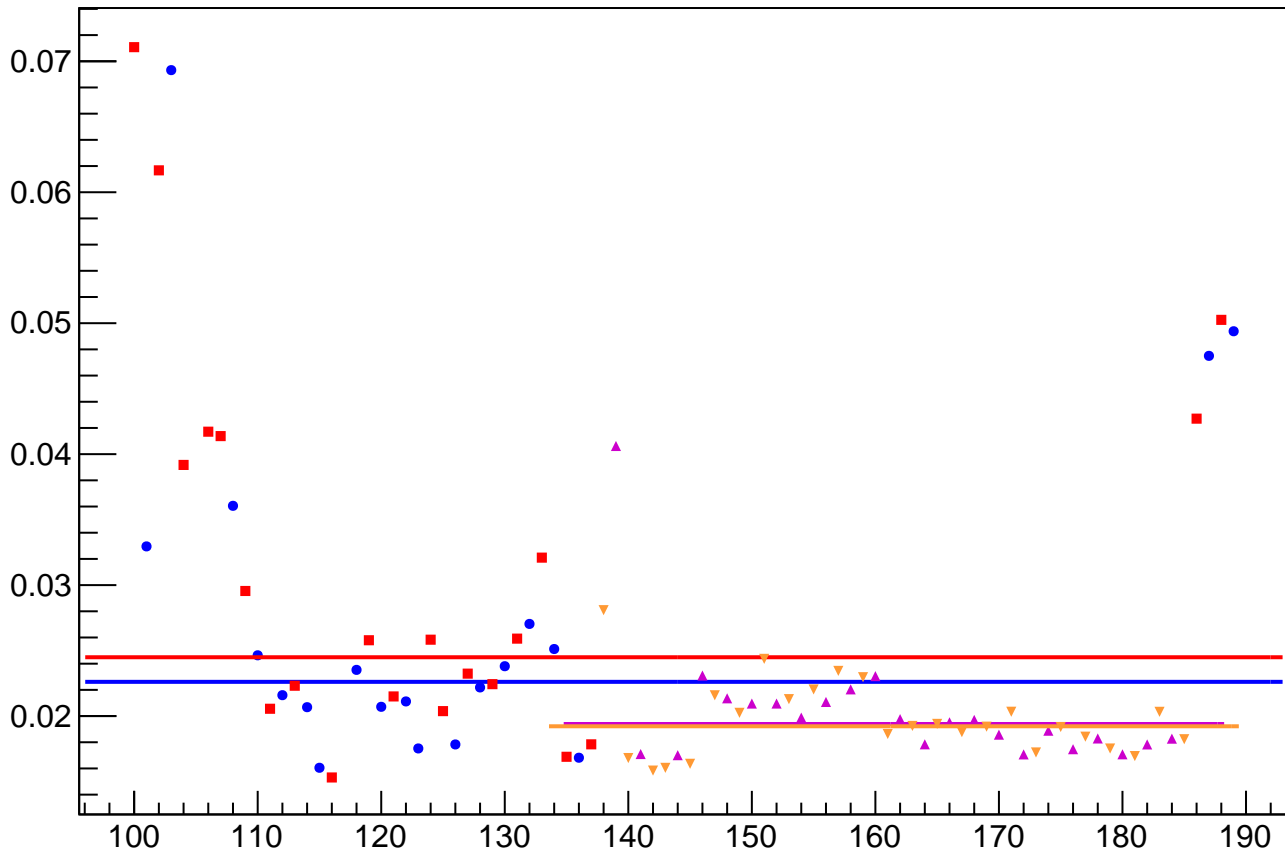
Left In: -0.450 ± 0.000 $\chi^2/\text{NDF}: 76117957.8/22$

+ sign -0.478 ± 0.000 $\chi^2/\text{NDF}: 225594596.5/43$

All: -0.476 ± 0.000 $\chi^2/\text{NDF}: 463106244.1/87$

- sign -0.473 ± 0.000 $\chi^2/\text{NDF}: 237040983.8/43$

yield_bpm4aX_rms vs Slug



Right In: 0.023+/-0.000 χ^2 /NDF: 1307936.8/18

Left Out: 0.019+/-0.000 χ^2 /NDF:501711.6/24

Right Out: 0.024+/-0.000 χ^2 /NDF: 1752709.1/20

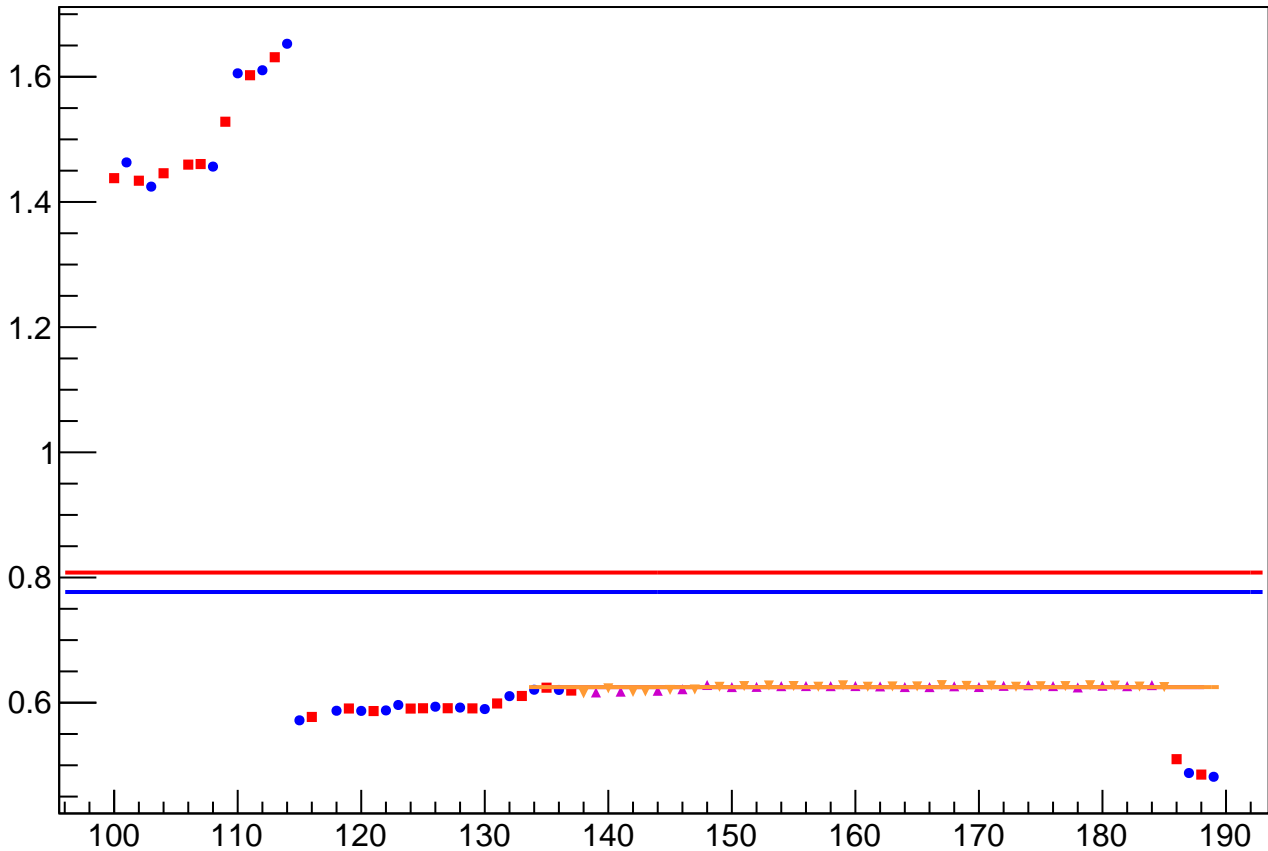
Left In: 0.019+/-0.000 χ^2 /NDF:626443.5/22

+ sign 0.020+/-0.000 χ^2 /NDF: 2005438.3/43

All: 0.020+/-0.000 χ^2 /NDF: 4821003.8/87

- sign 0.021+/-0.000 χ^2 /NDF: 2799671.8/43

yield_bpm4aY_mean vs Slug



Right In: 0.777+/-0.000 χ^2/NDF : 3674170770.5/18

Left Out: 0.625+/-0.000 χ^2/NDF : 1445169.1/24

+ sign 0.655+/-0.000 χ^2/NDF : 4228005759.1/43

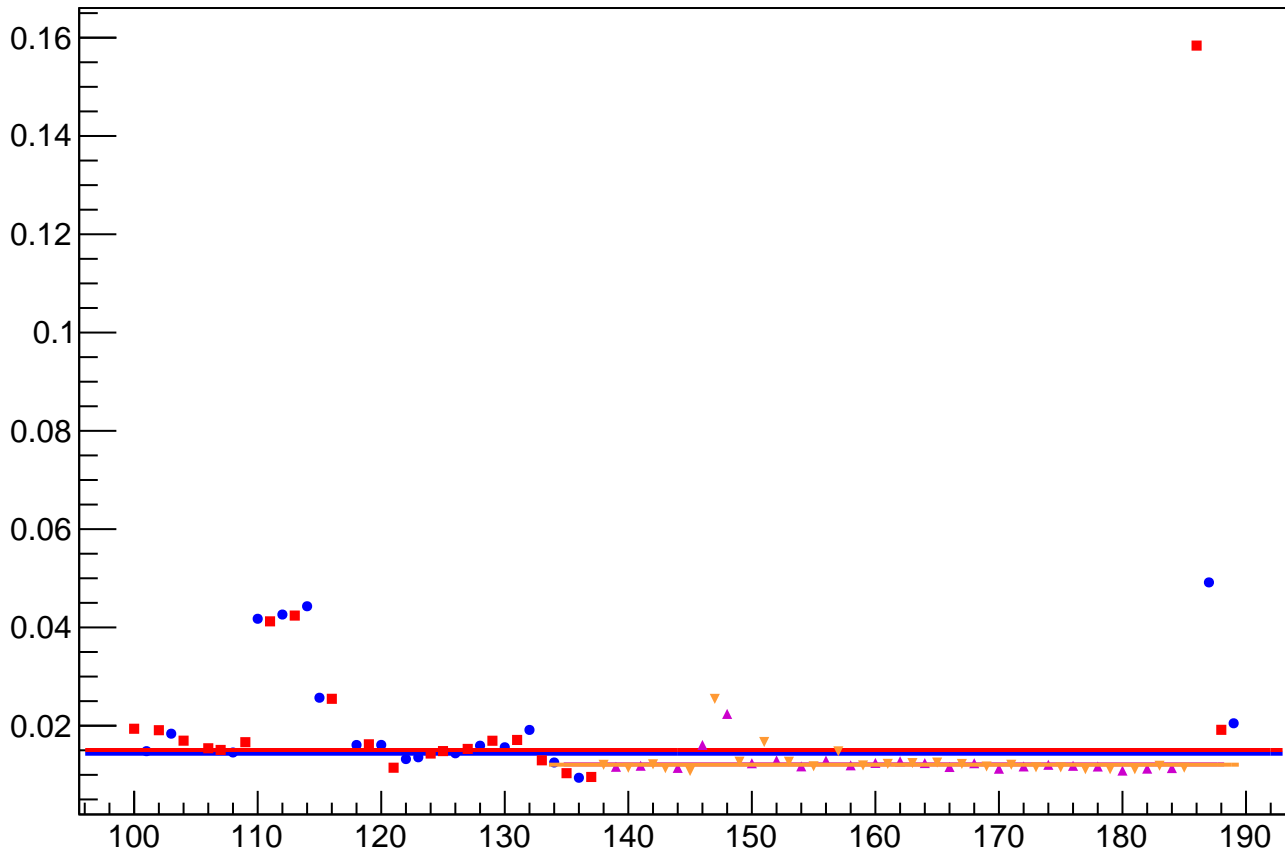
Right Out: 0.808+/-0.000 χ^2/NDF : 4404152233.8/20

All: 0.659+/-0.000 χ^2/NDF : 9437030348.5/87

Left In: 0.625+/-0.000 χ^2/NDF : 1143954.1/22

- sign 0.663+/-0.000 χ^2/NDF : 5203880814.5/43

yield_bpm4aY_rms vs Slug



Right In: 0.014 \pm 0.000 χ^2 /NDF: 1621721.0/18

Left Out: 0.012 \pm 0.000 χ^2 /NDF:657199.9/24

Right Out: 0.015 \pm 0.000 χ^2 /NDF: 1929561.5/20

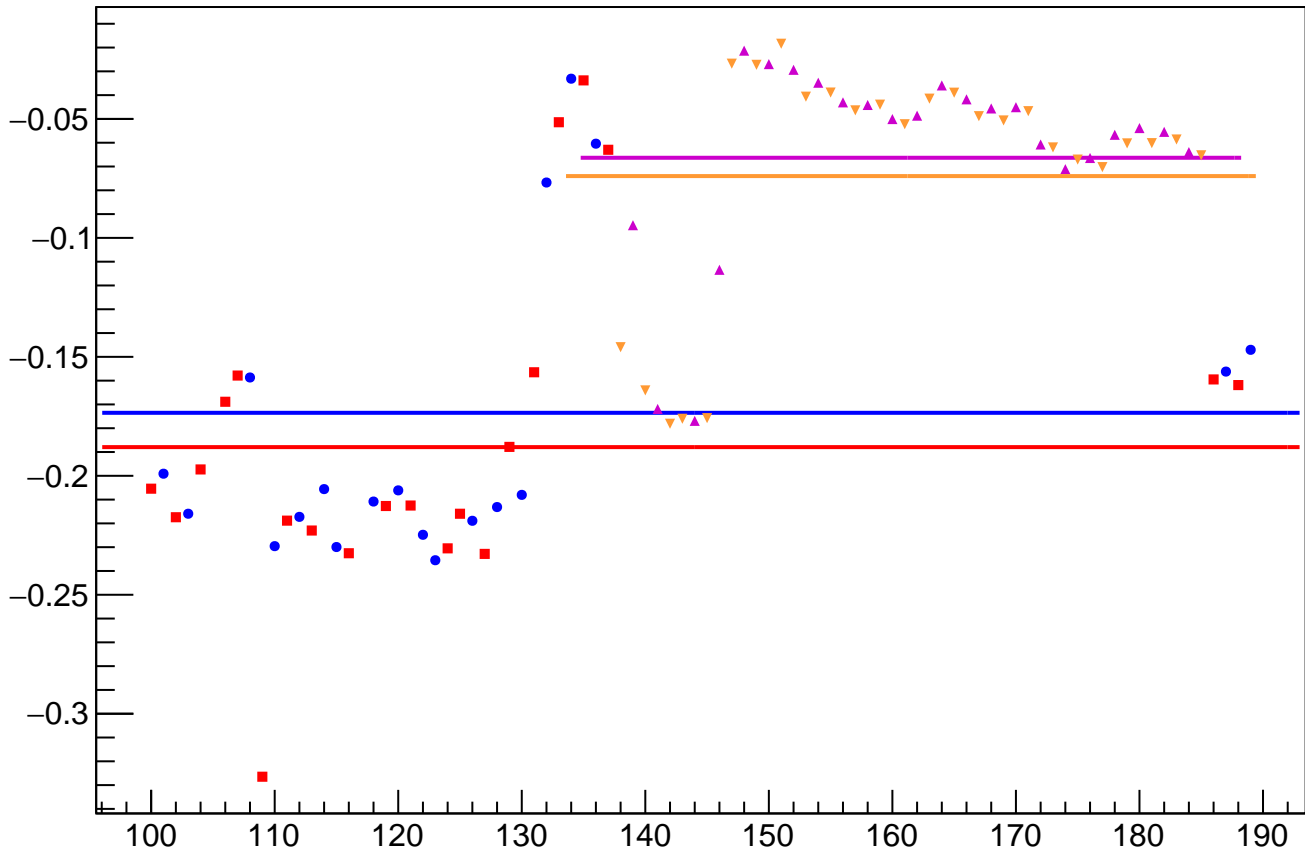
Left In: 0.012 \pm 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 \pm 0.000 χ^2 /NDF: 2516817.1/43

All: 0.013 \pm 0.000 χ^2 /NDF: 5349518.1/87

- sign 0.013 \pm 0.000 χ^2 /NDF: 2824344.6/43

yield_bpm4eX_mean vs Slug



Right In: -0.174 ± 0.000 χ^2/NDF : 66903938.2/18

Left Out: -0.074 ± 0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.188 ± 0.000 χ^2/NDF : 82364538.0/20

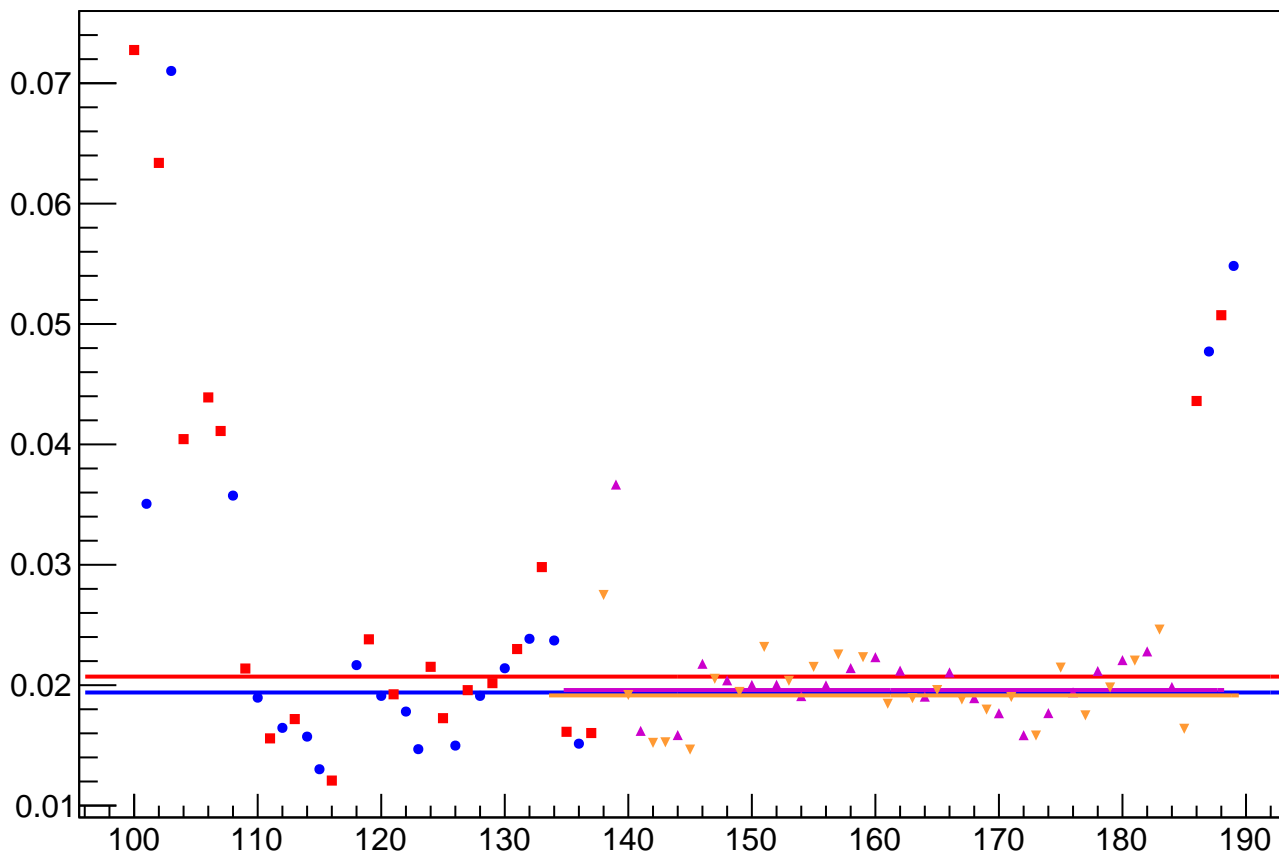
Left In: -0.066 ± 0.000 χ^2/NDF : 76243051.8/22

+ sign -0.100 ± 0.000 χ^2/NDF : 279199836.8/43

All: -0.100 ± 0.000 χ^2/NDF : 587548020.5/87

- sign -0.099 ± 0.000 χ^2/NDF : 308347872.1/43

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1695031.4/18

Left Out: 0.019+/-0.000 χ^2/NDF :641277.0/24

Right Out: 0.021+/-0.000 χ^2/NDF : 2273091.3/20

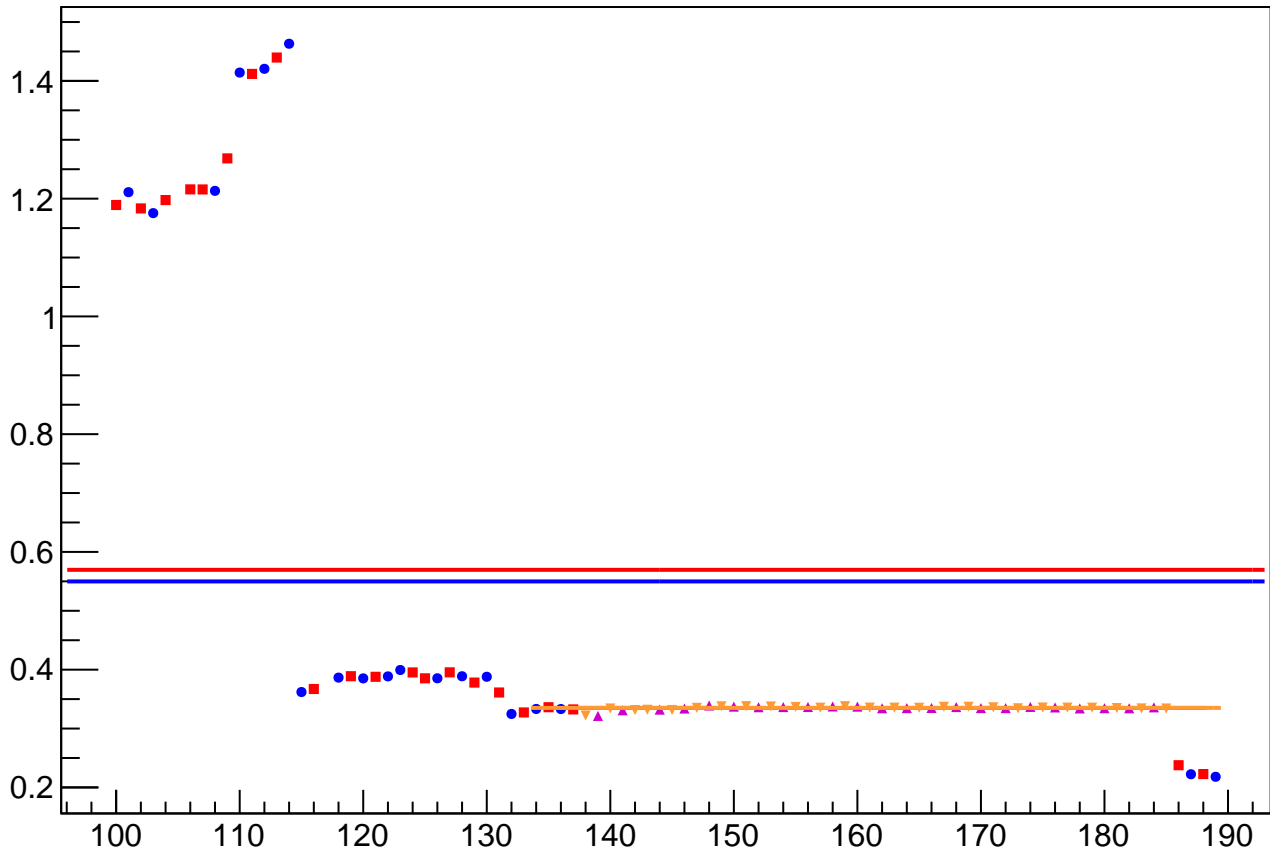
Left In: 0.020+/-0.000 χ^2/NDF :623148.2/22

+ sign 0.019+/-0.000 χ^2/NDF : 2337556.9/43

All: 0.020+/-0.000 χ^2/NDF : 5284195.5/87

- sign 0.020+/-0.000 χ^2/NDF : 2921415.0/43

yield_bpm4eY_mean vs Slug



Right In: 0.550 \pm 0.000 χ^2 /NDF: 5232824607.5/18

Left Out: 0.335 \pm 0.000 χ^2 /NDF: 1154310.3/24

Right Out: 0.570 \pm 0.000 χ^2 /NDF: 6038912329.3/20

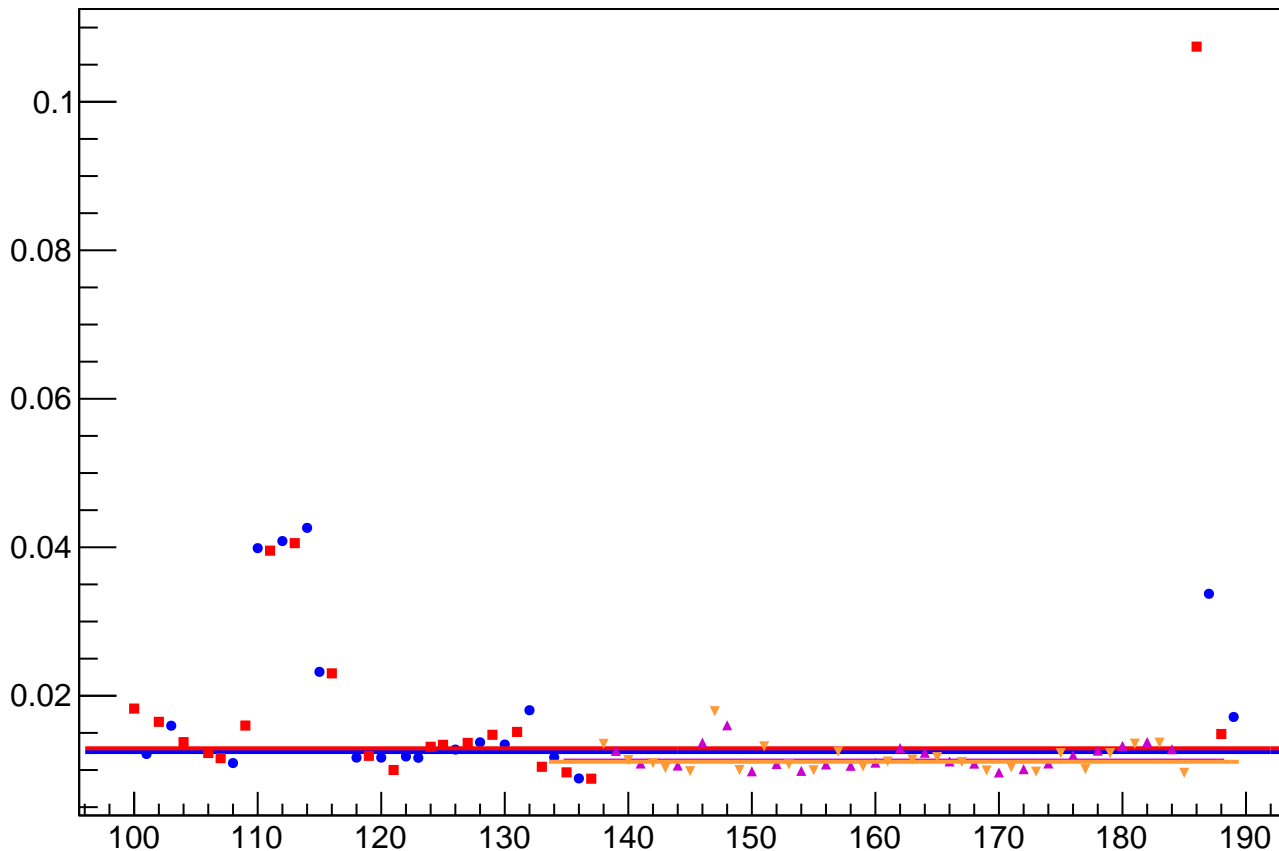
Left In: 0.335 \pm 0.000 χ^2 /NDF: 1202194.8/22

+ sign 0.382 \pm 0.000 χ^2 /NDF: 6669020897.0/43

All: 0.386 \pm 0.000 χ^2 /NDF: 14415691971.7/8

- sign 0.391 \pm 0.000 χ^2 /NDF: 7740285515.2/43

yield_bpm4eY_rms vs Slug



Right In: 0.012 \pm 0.000 χ^2 /NDF: 1491297.3/18

Left Out: 0.011 \pm 0.000 χ^2 /NDF:607532.0/24

Right Out: 0.013 \pm 0.000 χ^2 /NDF: 1854014.3/20

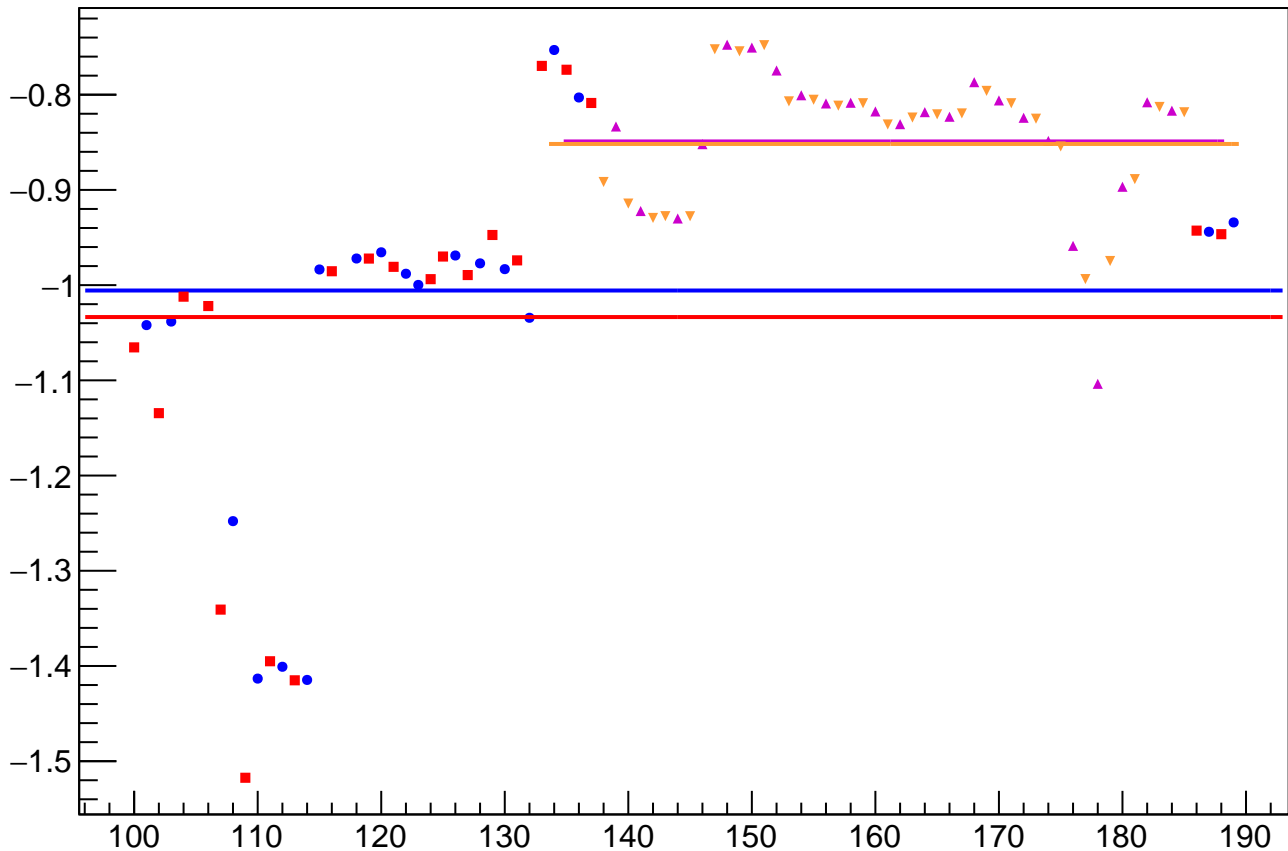
Left In: 0.011 \pm 0.000 χ^2 /NDF:502455.5/22

+ sign 0.011 \pm 0.000 χ^2 /NDF: 2205495.6/43

All: 0.012 \pm 0.000 χ^2 /NDF: 4743263.5/87

- sign 0.012 \pm 0.000 χ^2 /NDF: 2525349.9/43

yield_bpm4acX_mean vs Slug



Right In: -1.006 ± 0.000 χ^2/NDF : 394858375.4/18

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.034 ± 0.000 χ^2/NDF : 540153075.4/20

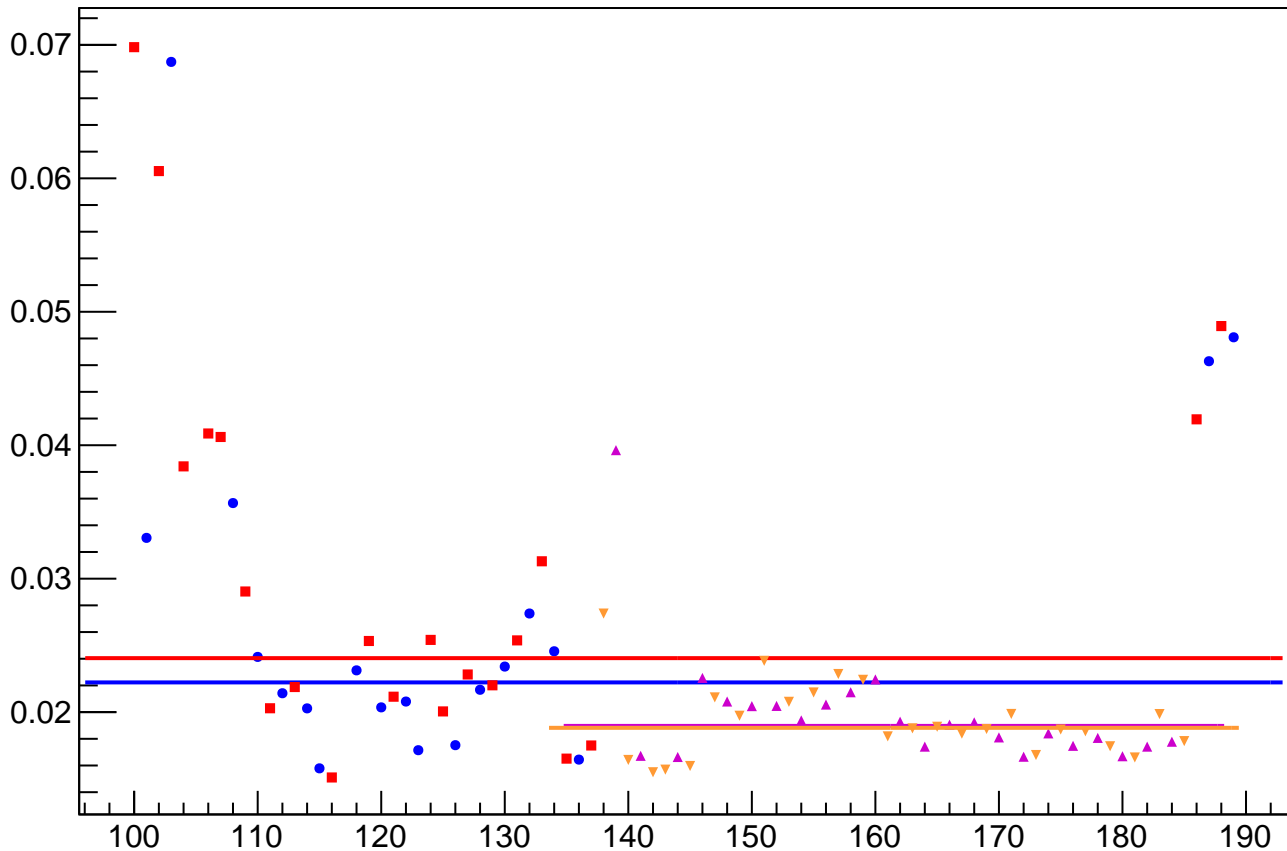
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.884 ± 0.000 χ^2/NDF : 792442315.7/43

All: -0.886 ± 0.000 χ^2/NDF : 1875461037.4/8

- sign -0.889 ± 0.000 χ^2/NDF : 1082398853.3/43

yield_bpm4acX_rms vs Slug



Right In: 0.022 \pm 0.000 χ^2 /NDF: 1327546.3/18

Left Out: 0.019 \pm 0.000 χ^2 /NDF:490509.4/24

Right Out: 0.024 \pm 0.000 χ^2 /NDF: 1741982.5/20

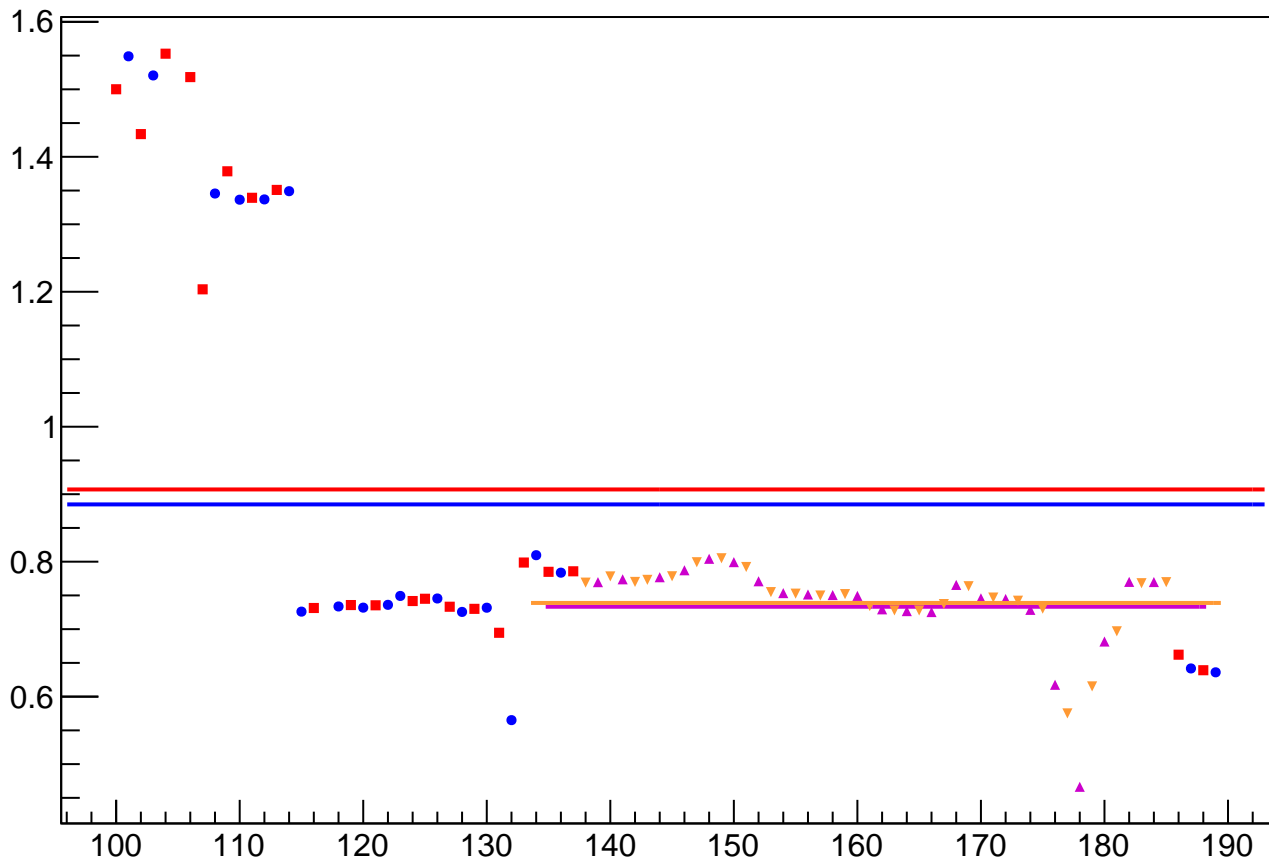
Left In: 0.019 \pm 0.000 χ^2 /NDF:615173.8/22

+ sign 0.020 \pm 0.000 χ^2 /NDF: 2021965.0/43

All: 0.020 \pm 0.000 χ^2 /NDF: 4826850.1/87

- sign 0.020 \pm 0.000 χ^2 /NDF: 2790600.1/43

yield_bpm4acY_mean vs Slug



Right In: 0.885 \pm 0.000 χ^2 /NDF: 2465394481.3/18

Left Out: 0.739 \pm 0.000 χ^2 /NDF:333013236.5/24

Right Out: 0.907 \pm 0.000 χ^2 /NDF: 2599169700.9/20

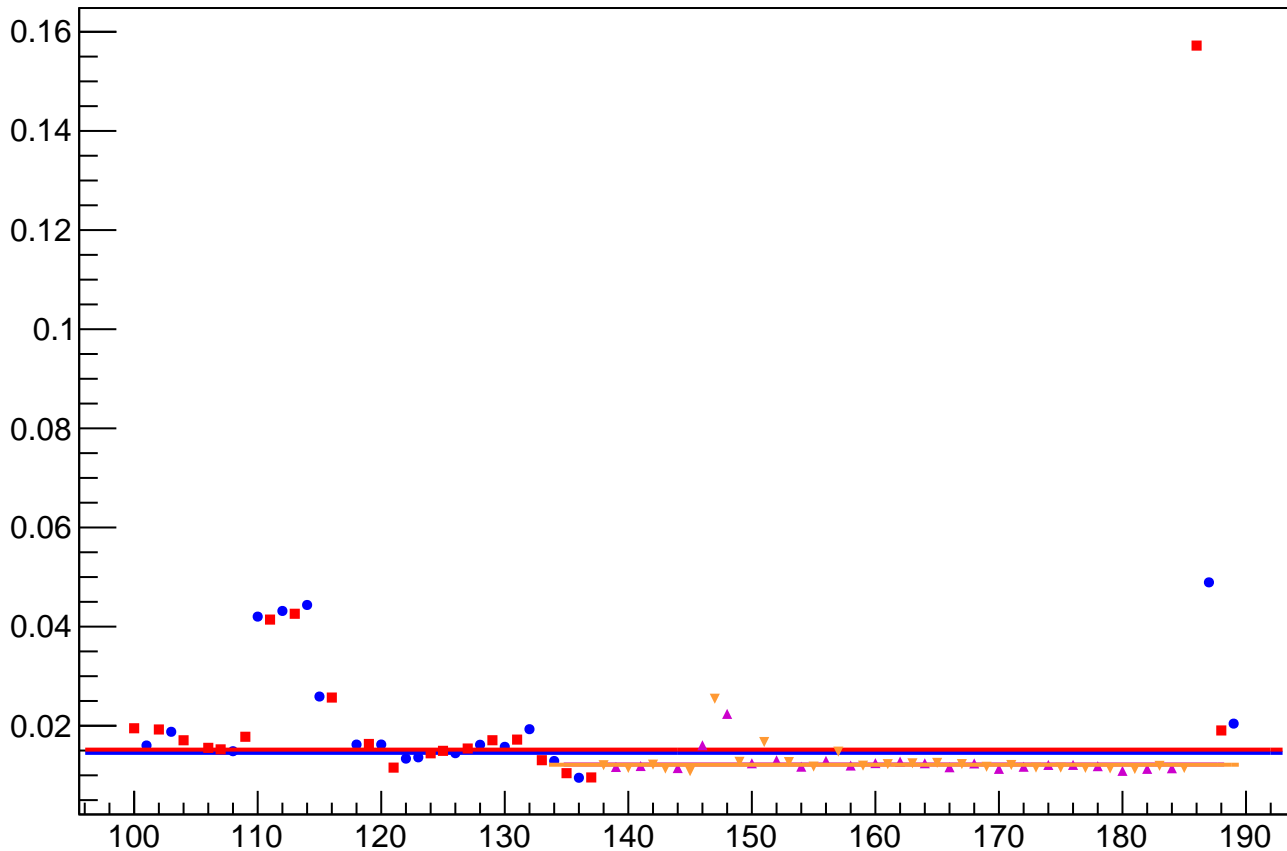
Left In: 0.733 \pm 0.000 χ^2 /NDF:569611347.7/22

+ sign 0.767 \pm 0.000 χ^2 /NDF: 3292460027.6/43

All: 0.768 \pm 0.000 χ^2 /NDF: 7168405277.5/87

- sign 0.769 \pm 0.000 χ^2 /NDF: 3875569200.5/43

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2 /NDF: 1622677.4/18

Left Out: 0.012+/-0.000 χ^2 /NDF:637986.2/24

Right Out: 0.015+/-0.000 χ^2 /NDF: 1928999.4/20

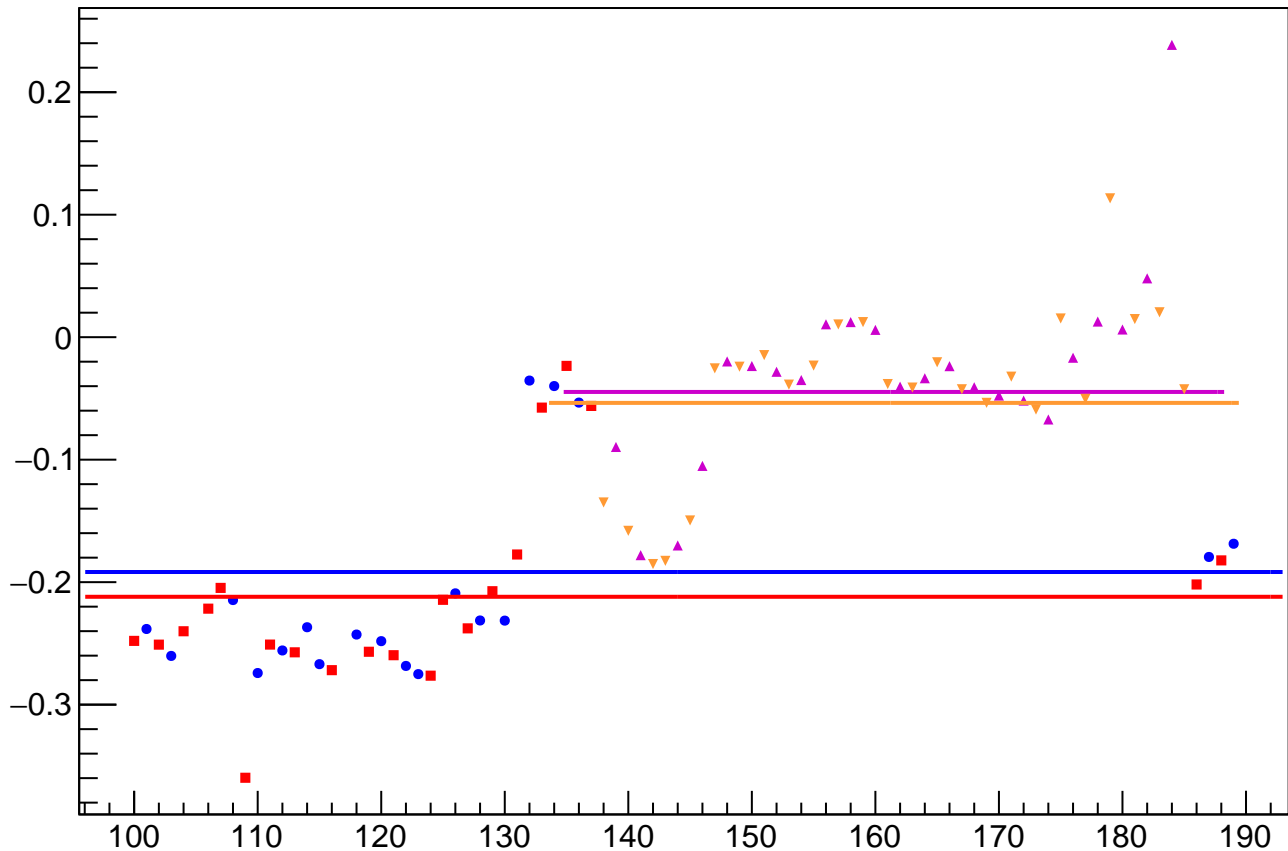
Left In: 0.012+/-0.000 χ^2 /NDF:481830.1/22

+ sign 0.013+/-0.000 χ^2 /NDF: 2526265.0/43

All: 0.013+/-0.000 χ^2 /NDF: 5363965.6/87

- sign 0.013+/-0.000 χ^2 /NDF: 2831182.2/43

yield_bpm4ecX_mean vs Slug



Right In: -0.192 ± 0.000 $\chi^2/\text{NDF}: 106288927.3/18$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167834173.6/24$

Right Out: -0.212 ± 0.000 $\chi^2/\text{NDF}: 110836272.5/20$

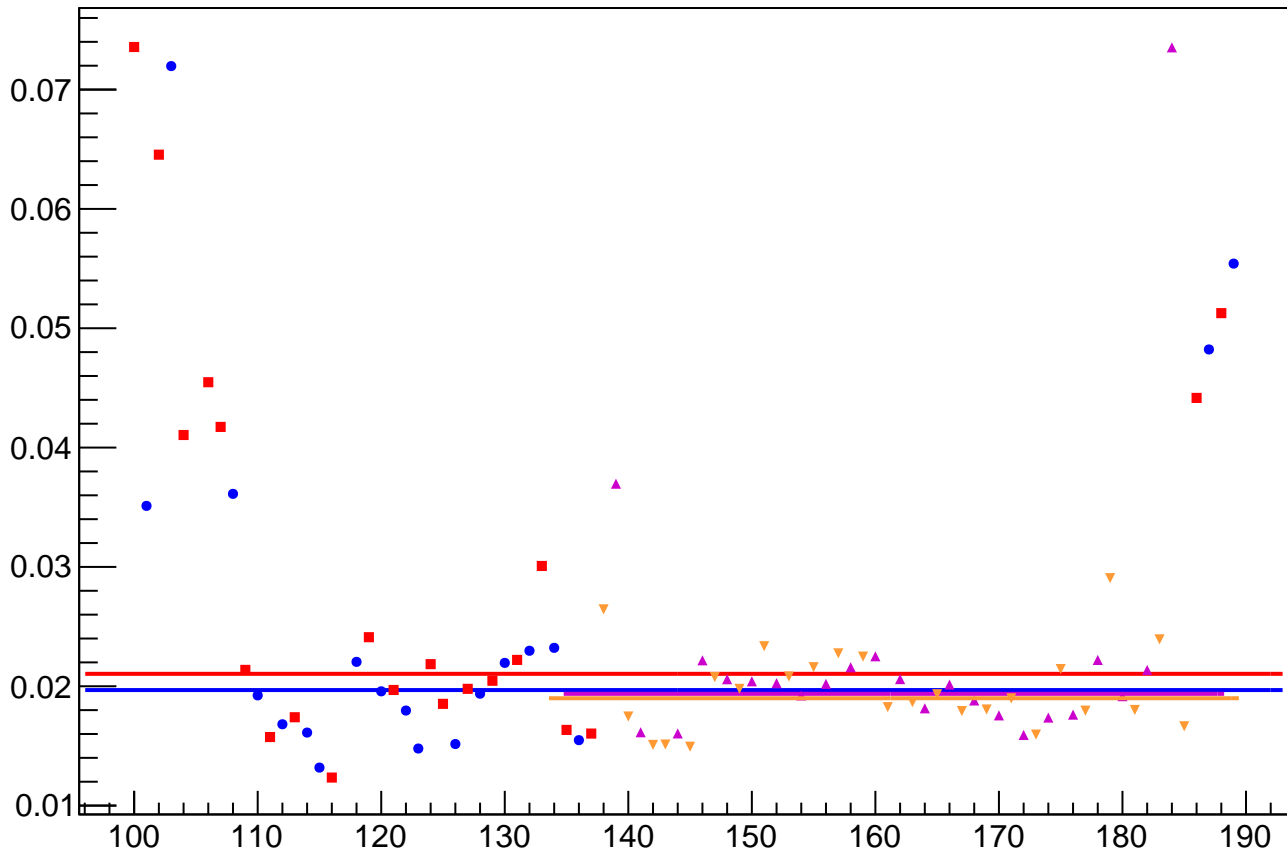
Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127192425.2/22$

+ sign -0.089 ± 0.000 $\chi^2/\text{NDF}: 470651263.4/43$

All: -0.089 ± 0.000 $\chi^2/\text{NDF}: 984766894.3/87$

- sign -0.089 ± 0.000 $\chi^2/\text{NDF}: 514106201.4/43$

yield_bpm4ecX_rms vs Slug



Right In: 0.020 \pm 0.000 χ^2 /NDF: 1663859.0/18

Left Out: 0.019 \pm 0.000 χ^2 /NDF:700229.7/24

Right Out: 0.021 \pm 0.000 χ^2 /NDF: 2258832.5/20

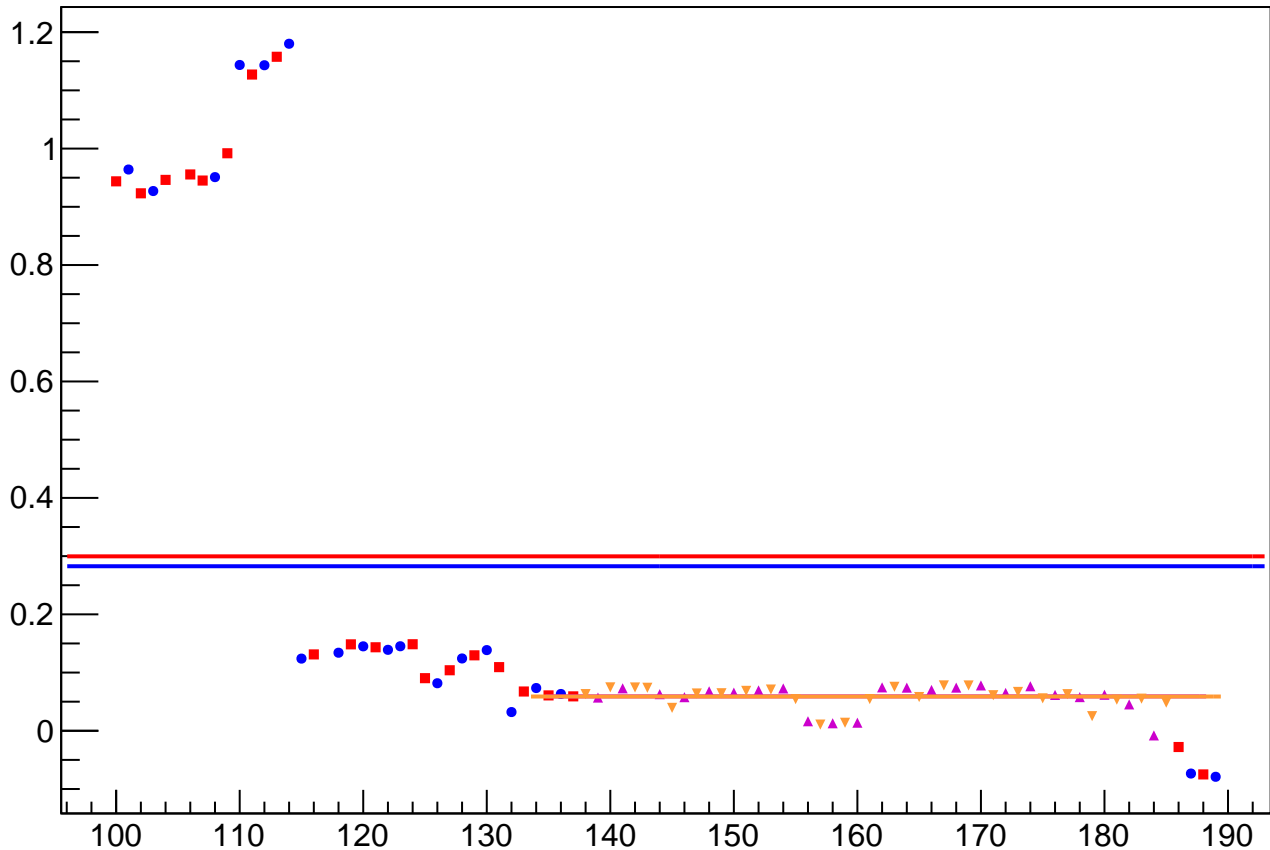
Left In: 0.019 \pm 0.000 χ^2 /NDF:858216.8/22

+ sign 0.019 \pm 0.000 χ^2 /NDF: 2373762.5/43

All: 0.019 \pm 0.000 χ^2 /NDF: 5567940.2/87

- sign 0.020 \pm 0.000 χ^2 /NDF: 3172585.5/43

yield_bpm4ecY_mean vs Slug



Right In: 0.283+/-0.000 χ^2/NDF : 5417364011.6/18

Left Out: 0.059+/-0.000 χ^2/NDF : 46821236.8/24

Right Out: 0.300+/-0.000 χ^2/NDF : 6093091540.1/20

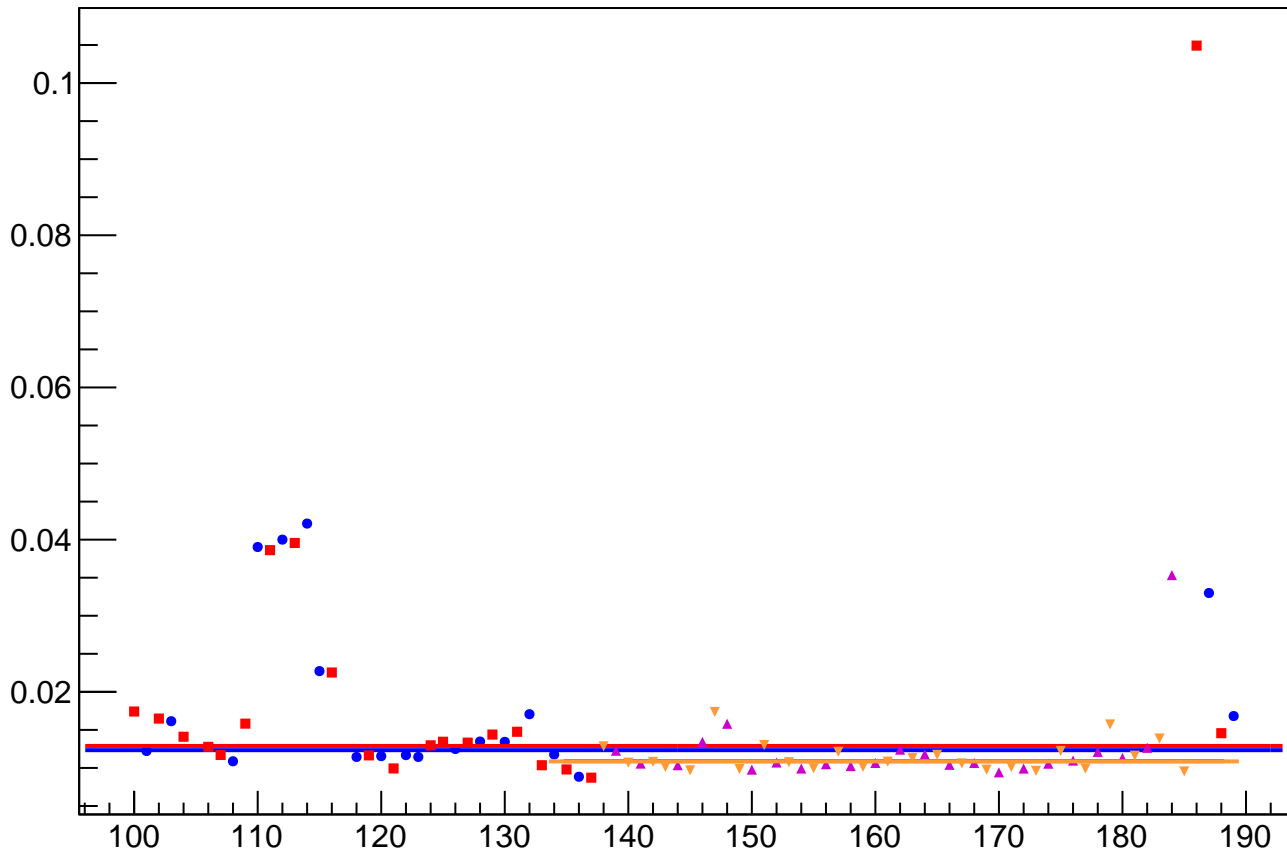
Left In: 0.059+/-0.000 χ^2/NDF : 58518655.0/22

+ sign 0.108+/-0.000 χ^2/NDF : 7047084152.3/43

All: 0.111+/-0.000 χ^2/NDF : 15018657362.6/8

- sign 0.115+/-0.000 χ^2/NDF : 7967571198.4/43

yield_bpm4ecY_rms vs Slug



Right In: 0.012 \pm 0.000 χ^2 /NDF: 1457403.5/18

Left Out: 0.011 \pm 0.000 χ^2 /NDF:604787.9/24

Right Out: 0.013 \pm 0.000 χ^2 /NDF: 1811130.6/20

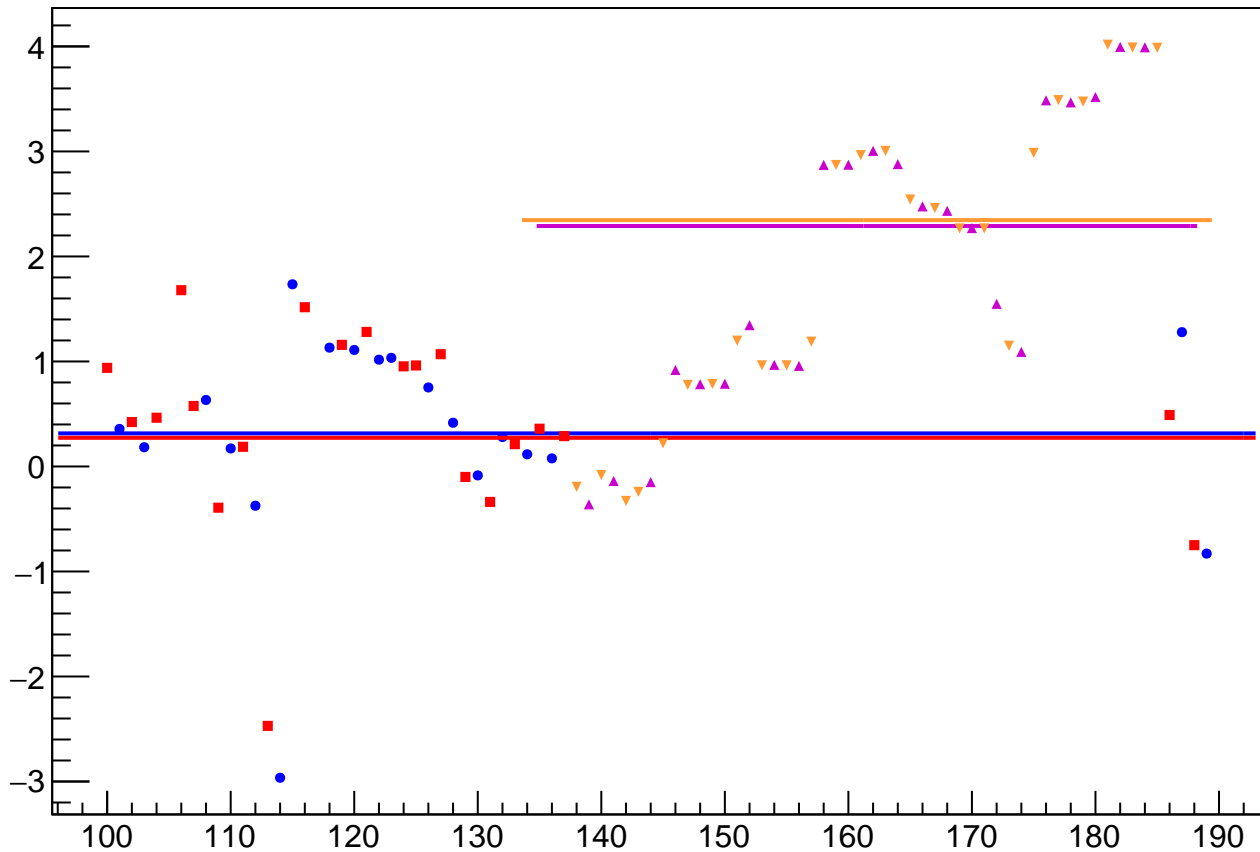
Left In: 0.011 \pm 0.000 χ^2 /NDF:530077.5/22

+ sign 0.011 \pm 0.000 χ^2 /NDF: 2199413.3/43

All: 0.011 \pm 0.000 χ^2 /NDF: 4796694.3/87

- sign 0.011 \pm 0.000 χ^2 /NDF: 2592139.8/43

yield_bpm1X_mean vs Slug



Right In: 0.315 \pm 0.000 χ^2 /NDF: 531791174.5/18

Left Out: 2.346 \pm 0.000 χ^2 /NDF:63481331015.4/24

Right Out: 0.273 \pm 0.000 χ^2 /NDF: 1478513246.5/20

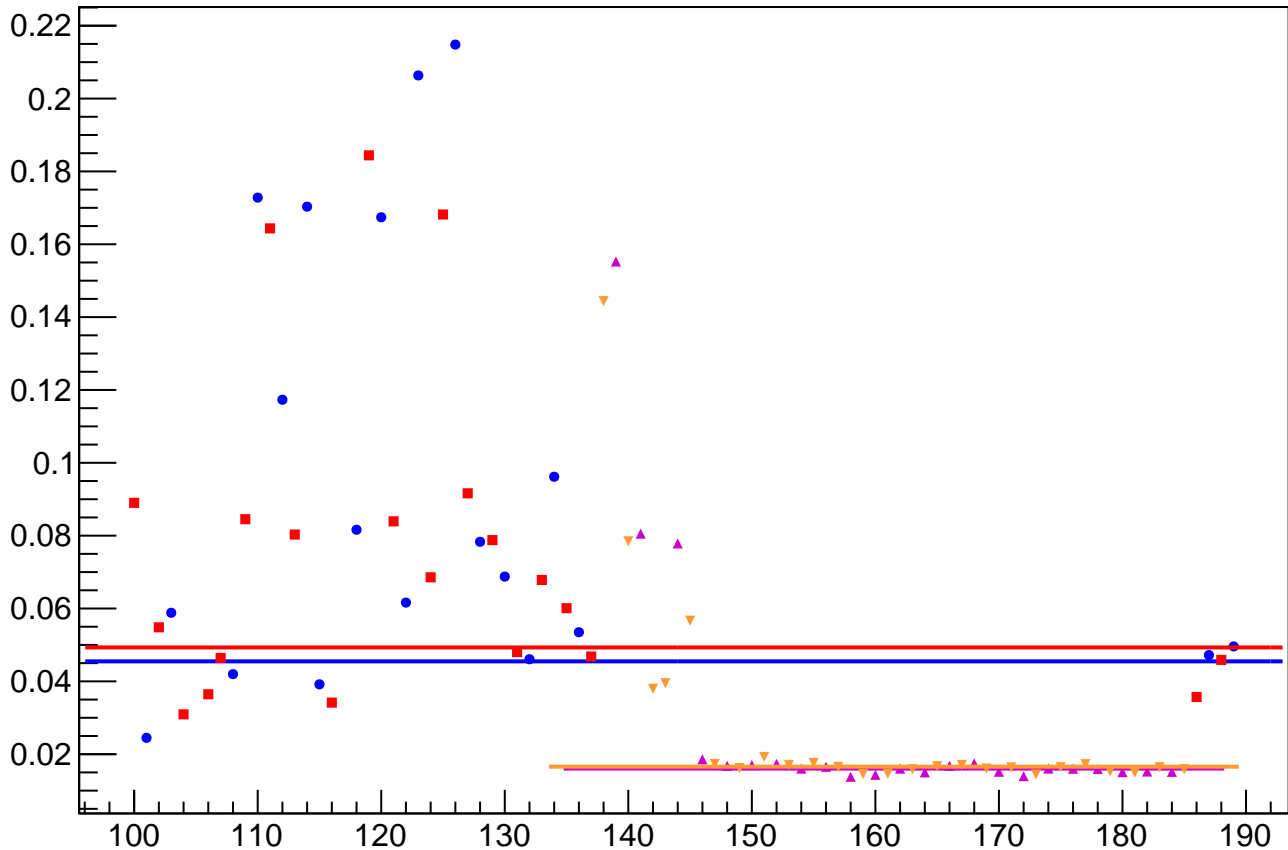
Left In: 2.290 \pm 0.000 χ^2 /NDF:60875537647.3/22

+ sign 2.270 \pm 0.000 χ^2 /NDF: 71866504630.8/43

All: 2.240 \pm 0.000 χ^2 /NDF: 142667784352.5

- sign 2.210 \pm 0.000 χ^2 /NDF: 70703801834.1/43

yield_bpm1X_rms vs Slug



Right In: 0.045 \pm 0.000 χ^2 /NDF: 2837353.1/18

Left Out: 0.017 \pm 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.049 \pm 0.000 χ^2 /NDF: 2314371.3/20

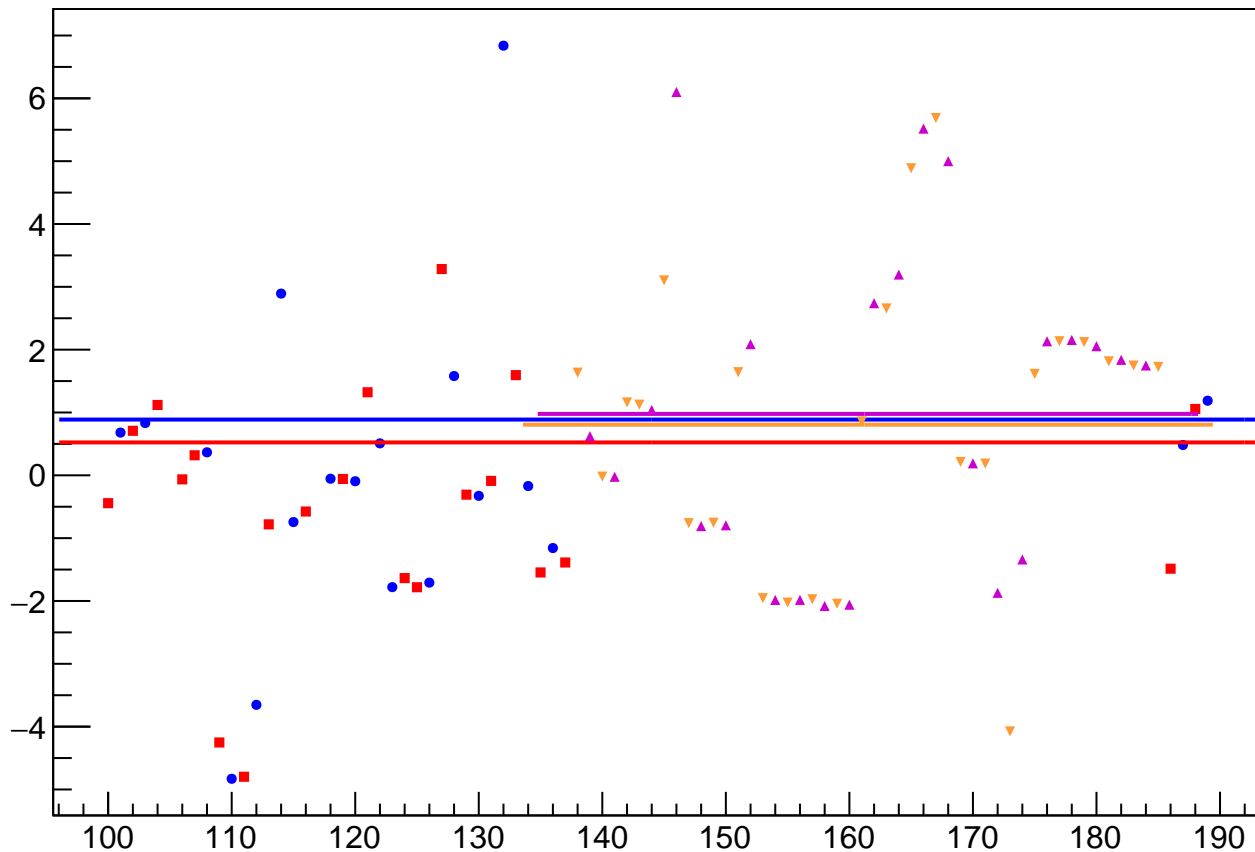
Left In: 0.016 \pm 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.018 \pm 0.000 χ^2 /NDF: 8639528.8/43

All: 0.018 \pm 0.000 χ^2 /NDF: 17896007.3/87

- sign 0.017 \pm 0.000 χ^2 /NDF: 9251634.8/43

yield_bpm1Y_mean vs Slug



Right In: 0.887 \pm 0.000 χ^2 /NDF: 11027125255.4/18

+ sign 0.810 \pm 0.000 χ^2 /NDF: 518636060218.5/43

Left Out: 0.806 \pm 0.000 χ^2 /NDF: 507578952196.2/24

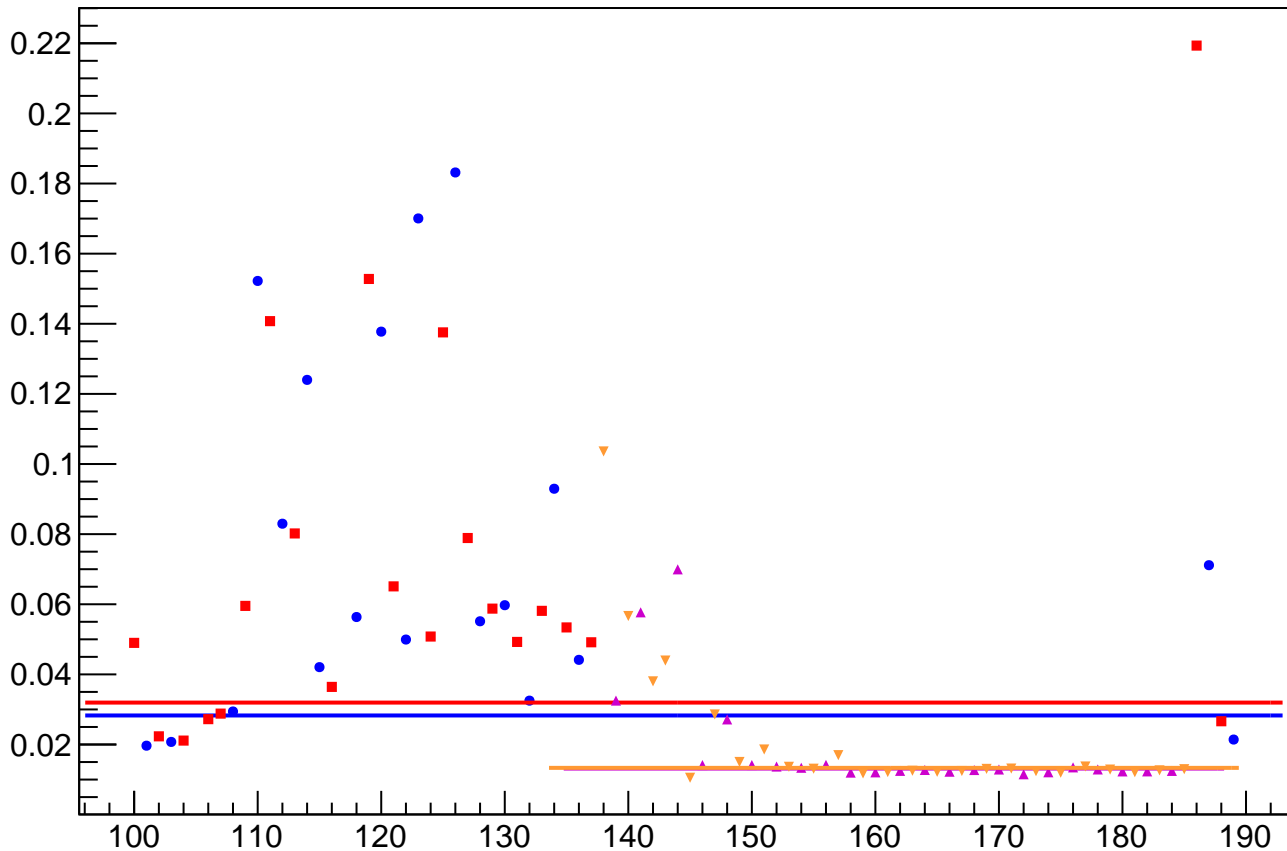
All: 0.882 \pm 0.000 χ^2 /NDF: 1094024968829.

Right Out: 0.523 \pm 0.000 χ^2 /NDF: 5364077646.9/20

- sign 0.954 \pm 0.000 χ^2 /NDF: 574457846989.8/43

Left In: 0.977 \pm 0.000 χ^2 /NDF: 568209676597.4/22

yield_bpm1Y_rms vs Slug



Right In: 0.028 \pm 0.000 χ^2 /NDF: 3222080.0/18

Left Out: 0.013 \pm 0.000 χ^2 /NDF:2829753.9/24

Right Out: 0.032 \pm 0.000 χ^2 /NDF: 3656743.1/20

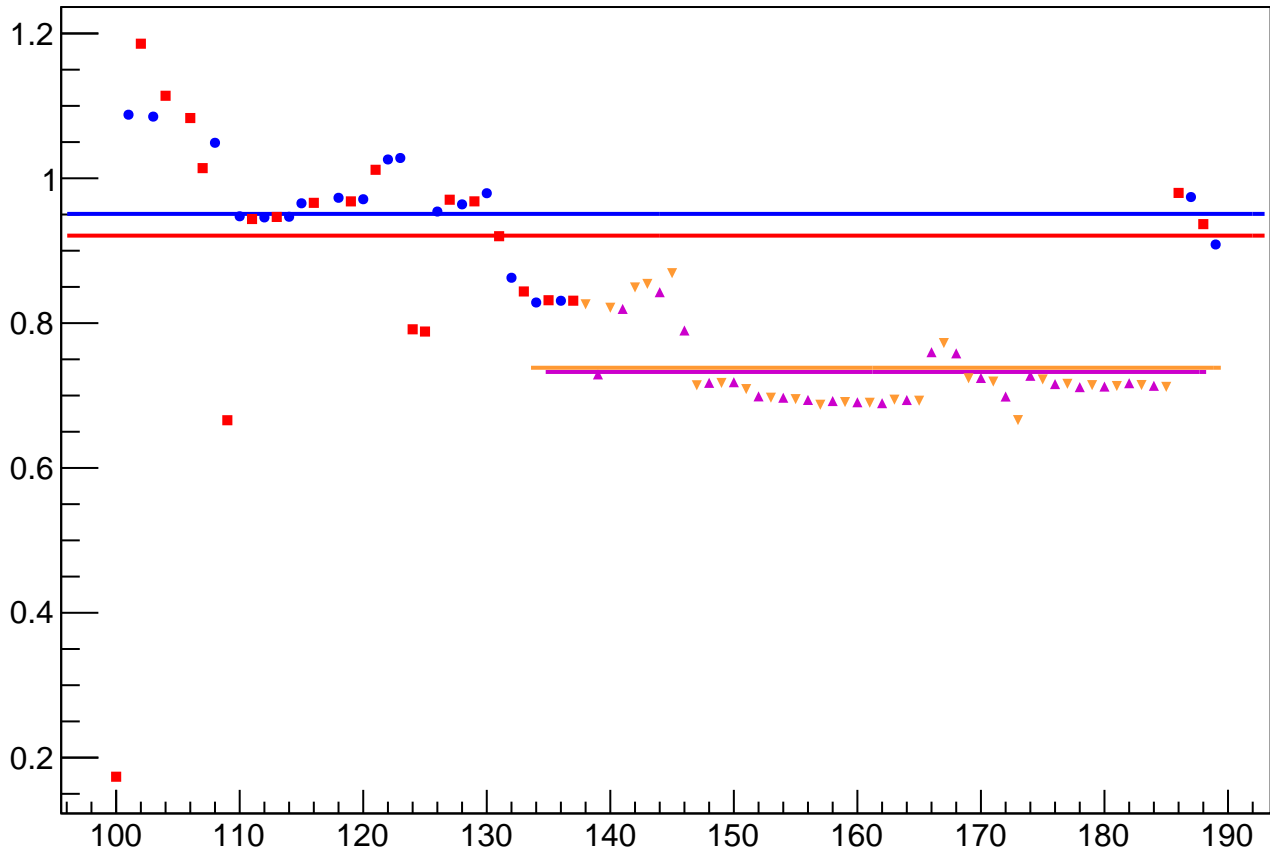
Left In: 0.013 \pm 0.000 χ^2 /NDF:1946693.6/22

+ sign 0.014 \pm 0.000 χ^2 /NDF: 8072968.0/43

All: 0.014 \pm 0.000 χ^2 /NDF: 16716340.6/87

- sign 0.014 \pm 0.000 χ^2 /NDF: 8643155.3/43

yield_bpm11X_mean vs Slug



Right In: 0.951 \pm 0.000 χ^2 /NDF: 175204395.5/18

Left Out: 0.738 \pm 0.000 χ^2 /NDF:310195180.4/24

Right Out: 0.921 \pm 0.000 χ^2 /NDF: 377008386.1/20

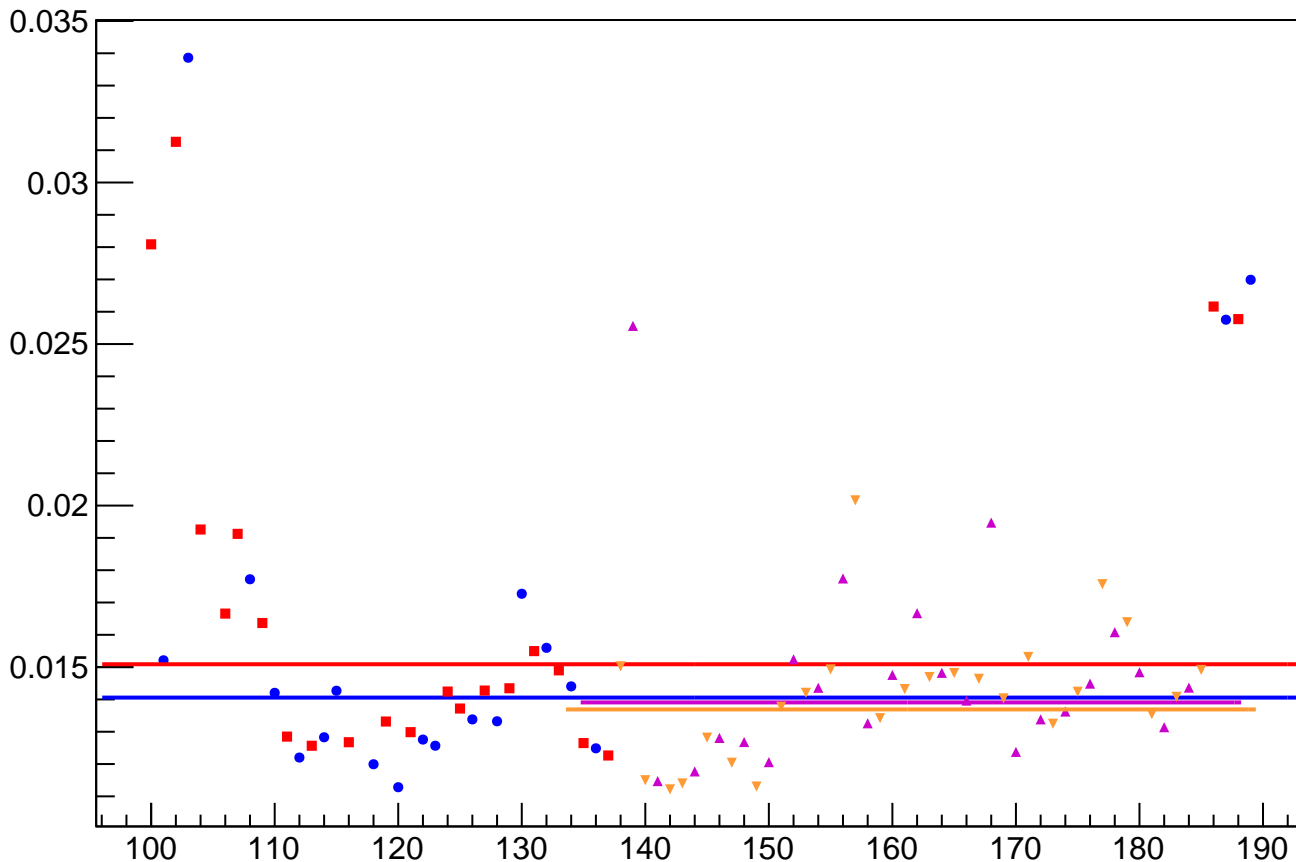
Left In: 0.733 \pm 0.000 χ^2 /NDF:170102394.7/22

+ sign 0.795 \pm 0.000 χ^2 /NDF: 1531010711.5/43

All: 0.791 \pm 0.000 χ^2 /NDF: 2876923115.4/87

- sign 0.785 \pm 0.000 χ^2 /NDF: 1340084612.1/43

yield_bpm11X_rms vs Slug



Right In: 0.014 \pm 0.000 χ^2 /NDF: 821353.3/18

Left Out: 0.014 \pm 0.000 χ^2 /NDF:528480.6/24

Right Out: 0.015 \pm 0.000 χ^2 /NDF: 961106.7/20

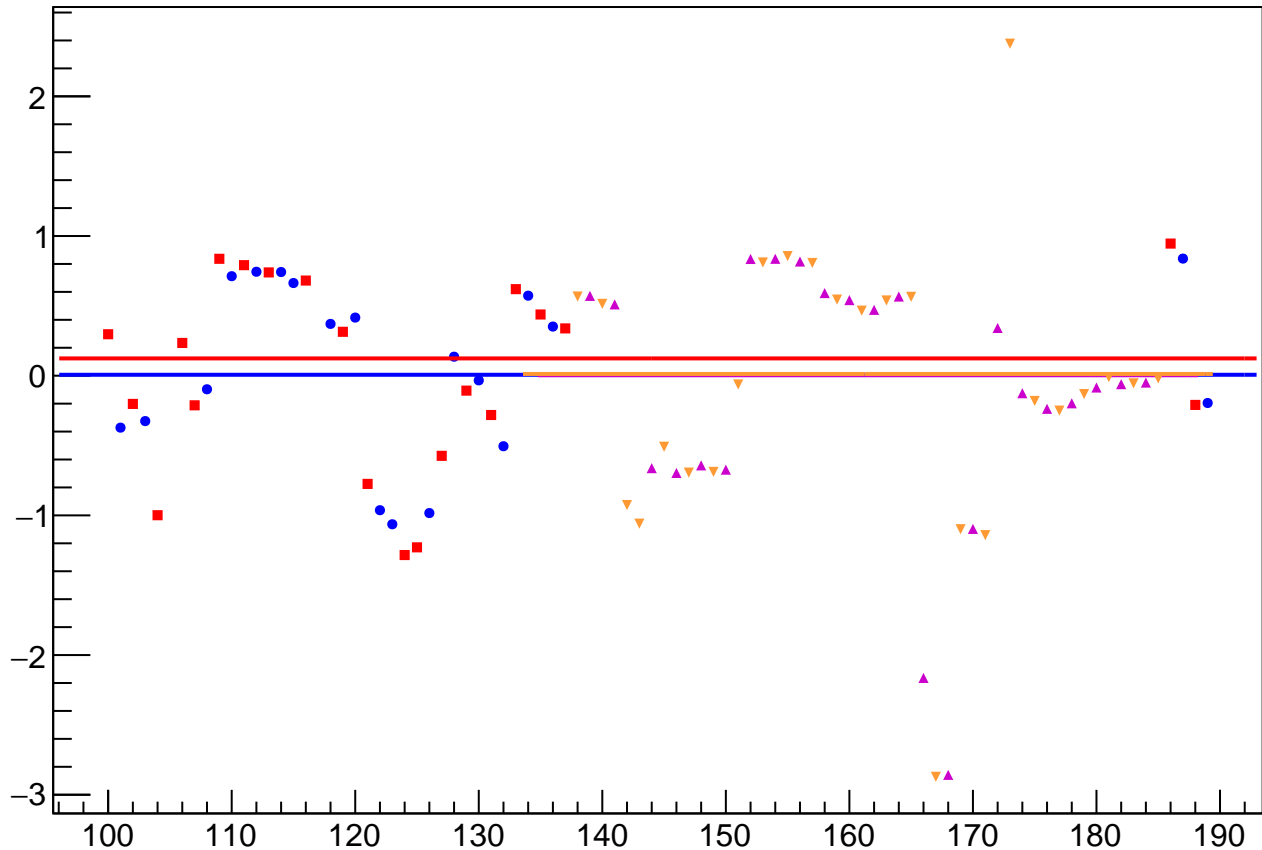
Left In: 0.014 \pm 0.000 χ^2 /NDF:768161.9/22

+ sign 0.014 \pm 0.000 χ^2 /NDF: 1356063.1/43

All: 0.014 \pm 0.000 χ^2 /NDF: 3170949.5/87

- sign 0.014 \pm 0.000 χ^2 /NDF: 1791750.3/43

yield_bpm11Y_mean vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 6457076370.9/18

Left Out: 0.012+/-0.000 χ^2/NDF : 96383858927.1/24

Right Out: 0.124+/-0.000 χ^2/NDF : 13038920858.3/20

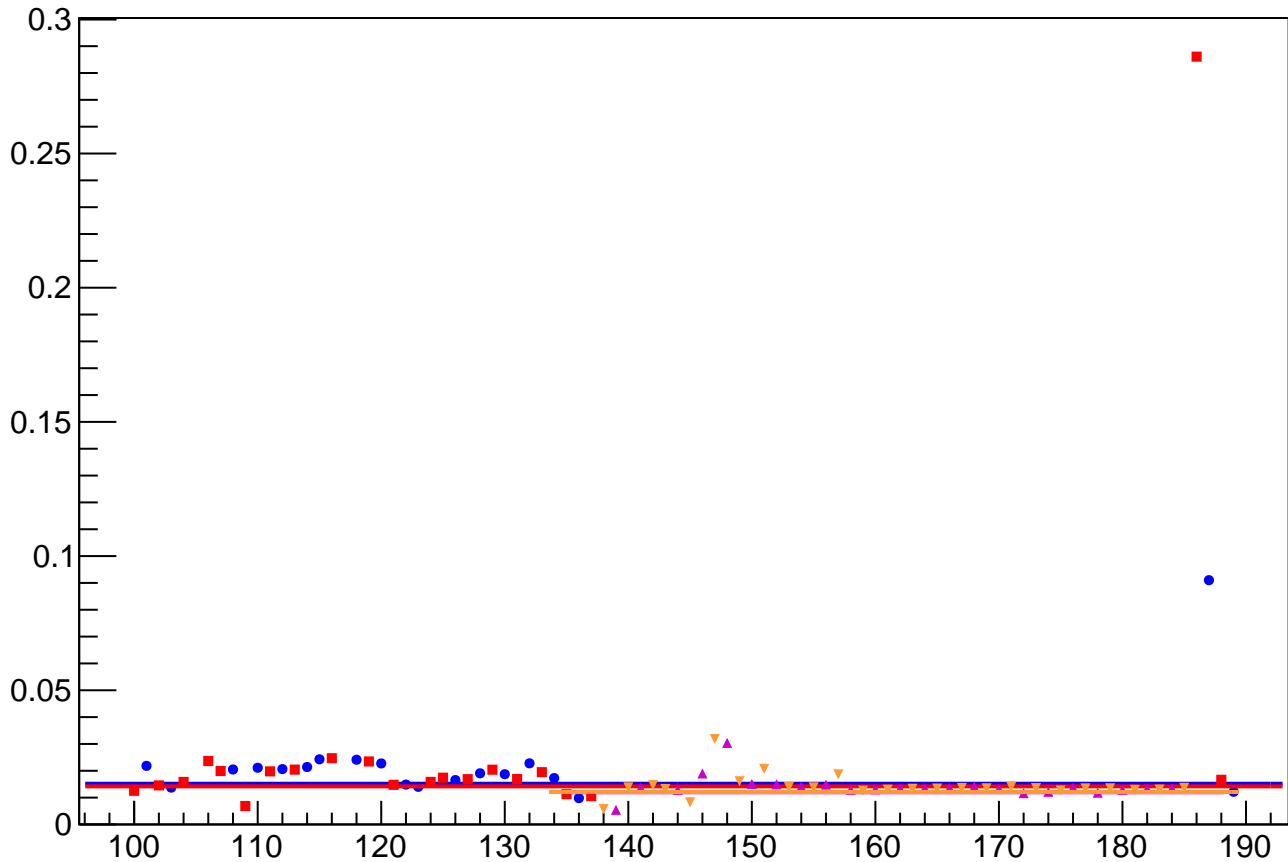
Left In: 0.003+/-0.000 χ^2/NDF : 78826489573.0/22

+ sign 0.011+/-0.000 χ^2/NDF : 102841640169.2/43

All: 0.021+/-0.000 χ^2/NDF : 195077350989.5

- sign 0.031+/-0.000 χ^2/NDF : 92210574097.5/43

yield_bpm11Y_rms vs Slug



Right In: 0.015 \pm 0.000 χ^2 /NDF: 1404426.2/18

Left Out: 0.012 \pm 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.014 \pm 0.000 χ^2 /NDF: 2219049.1/20

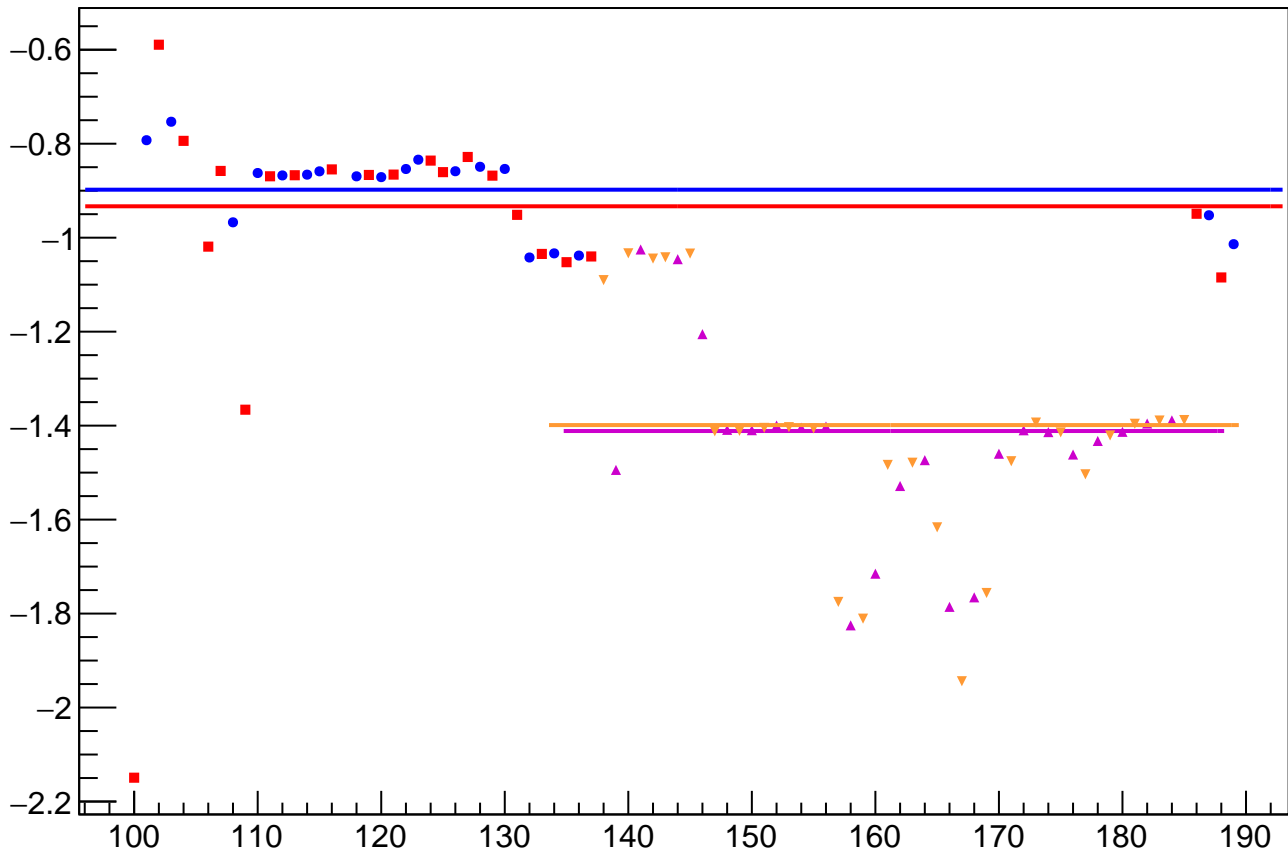
Left In: 0.012 \pm 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.013 \pm 0.000 χ^2 /NDF: 4905964.6/43

All: 0.013 \pm 0.000 χ^2 /NDF: 10362661.1/87

- sign 0.012 \pm 0.000 χ^2 /NDF: 5451087.5/43

yield_bpm12X_mean vs Slug



Right In: -0.898 ± 0.000 χ^2/NDF : 39714991.8/18

Left Out: -1.399 ± 0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.933 ± 0.000 χ^2/NDF : 135197731.7/20

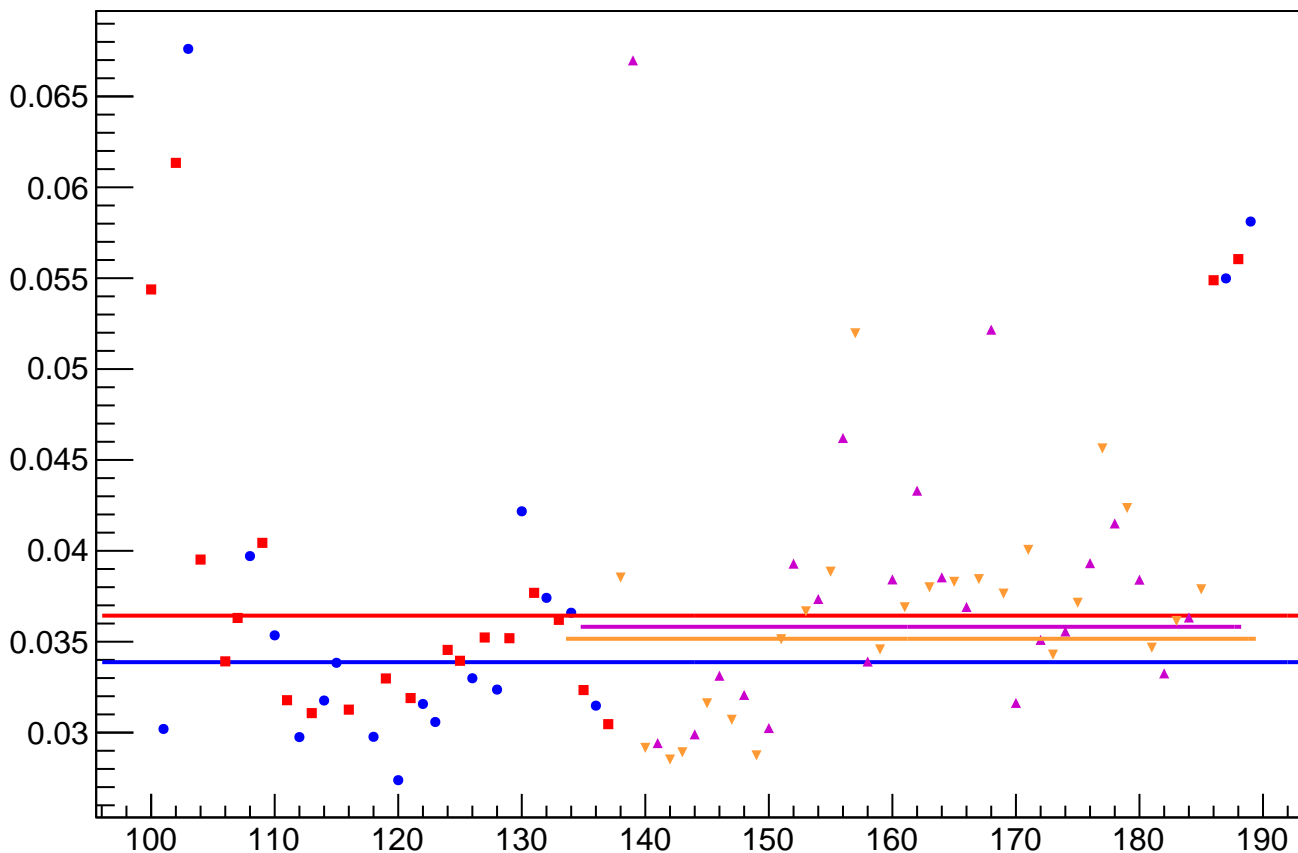
Left In: -1.411 ± 0.000 χ^2/NDF : 512547995.0/22

+ sign -1.249 ± 0.000 χ^2/NDF : 1750194455.6/43

All: -1.255 ± 0.000 χ^2/NDF : 3252248315.2/8

- sign -1.262 ± 0.000 χ^2/NDF : 1500651571.3/43

yield_bpm12X_rms vs Slug



Right In: 0.034 \pm 0.000 χ^2 /NDF: 613329.9/18

Left Out: 0.035 \pm 0.000 χ^2 /NDF:595219.5/24

Right Out: 0.036 \pm 0.000 χ^2 /NDF: 593218.3/20

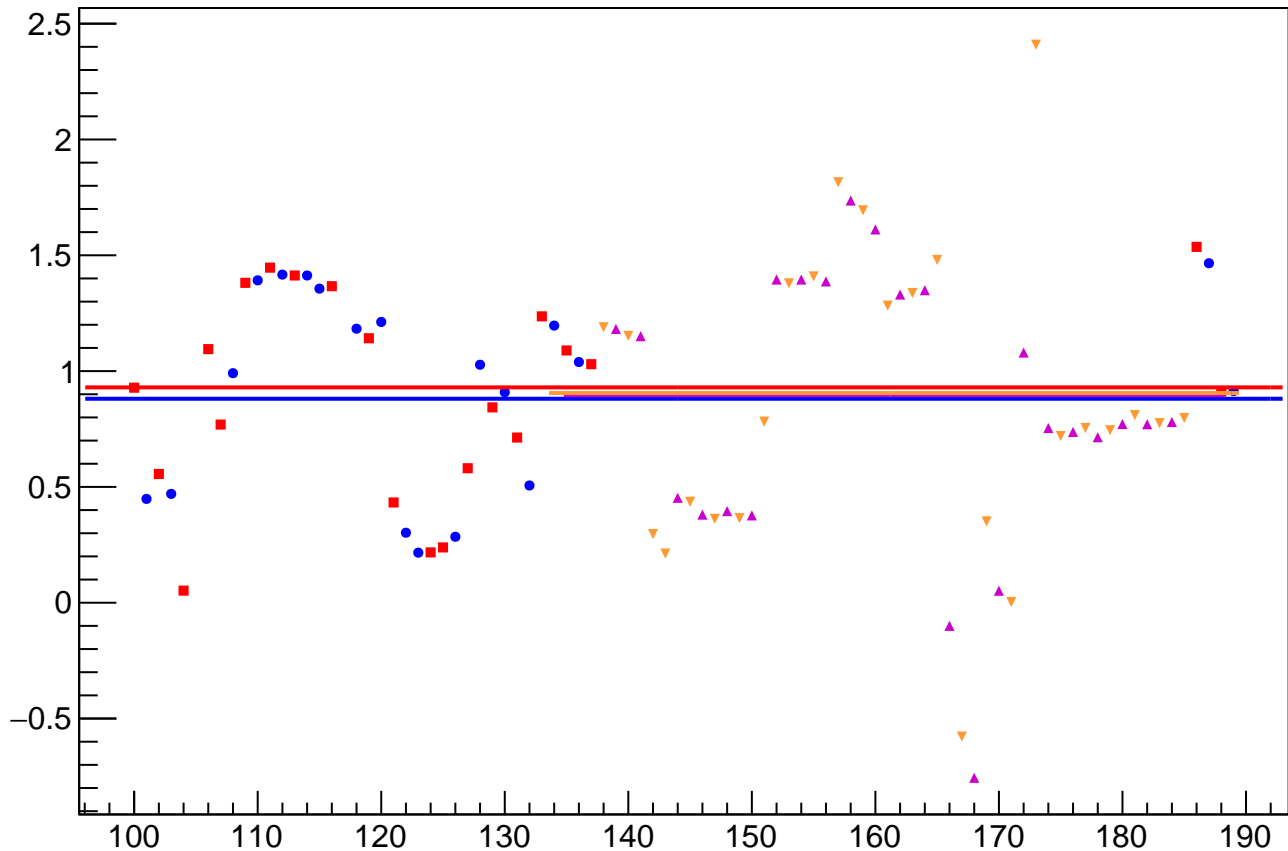
Left In: 0.036 \pm 0.000 χ^2 /NDF:864147.6/22

+ sign 0.035 \pm 0.000 χ^2 /NDF: 1221376.2/43

All: 0.035 \pm 0.000 χ^2 /NDF: 2708873.1/87

- sign 0.036 \pm 0.000 χ^2 /NDF: 1460179.2/43

yield_bpm12Y_mean vs Slug



Right In: 0.881 \pm 0.000 χ^2 /NDF: 6511289589.0/18

Left Out: 0.905 \pm 0.000 χ^2 /NDF:84265726513.8/24

Right Out: 0.930 \pm 0.000 χ^2 /NDF: 9967809778.4/20

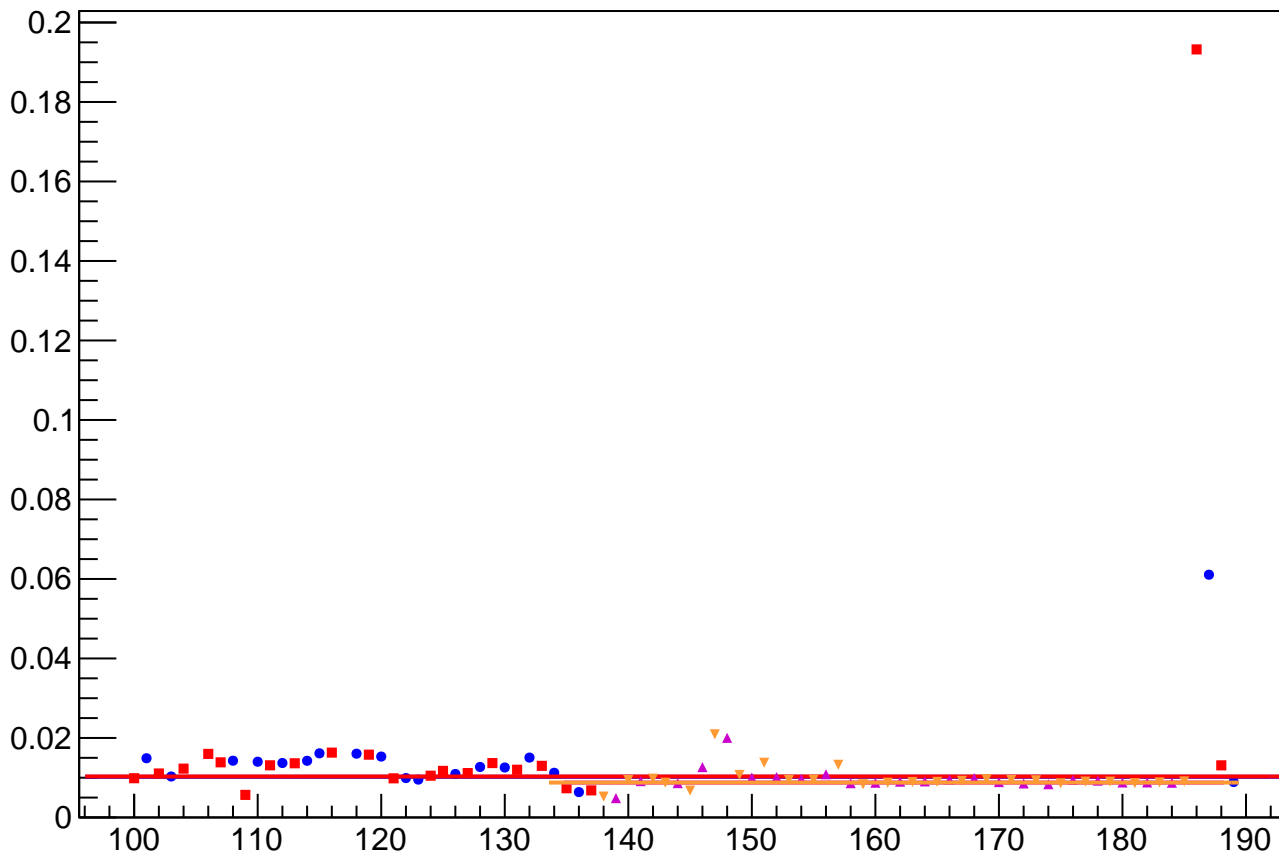
Left In: 0.896 \pm 0.000 χ^2 /NDF:66594200889.6/22

+ sign 0.900 \pm 0.000 χ^2 /NDF: 90804506778.0/43

All: 0.902 \pm 0.000 χ^2 /NDF: 167421130052.6

- sign 0.904 \pm 0.000 χ^2 /NDF: 76614750644.9/43

yield_bpm12Y_rms vs Slug



Right In: 0.010 \pm 0.000 χ^2 /NDF: 1440917.2/18

Left Out: 0.009 \pm 0.000 χ^2 /NDF:1697568.1/24

Right Out: 0.010 \pm 0.000 χ^2 /NDF: 1866691.6/20

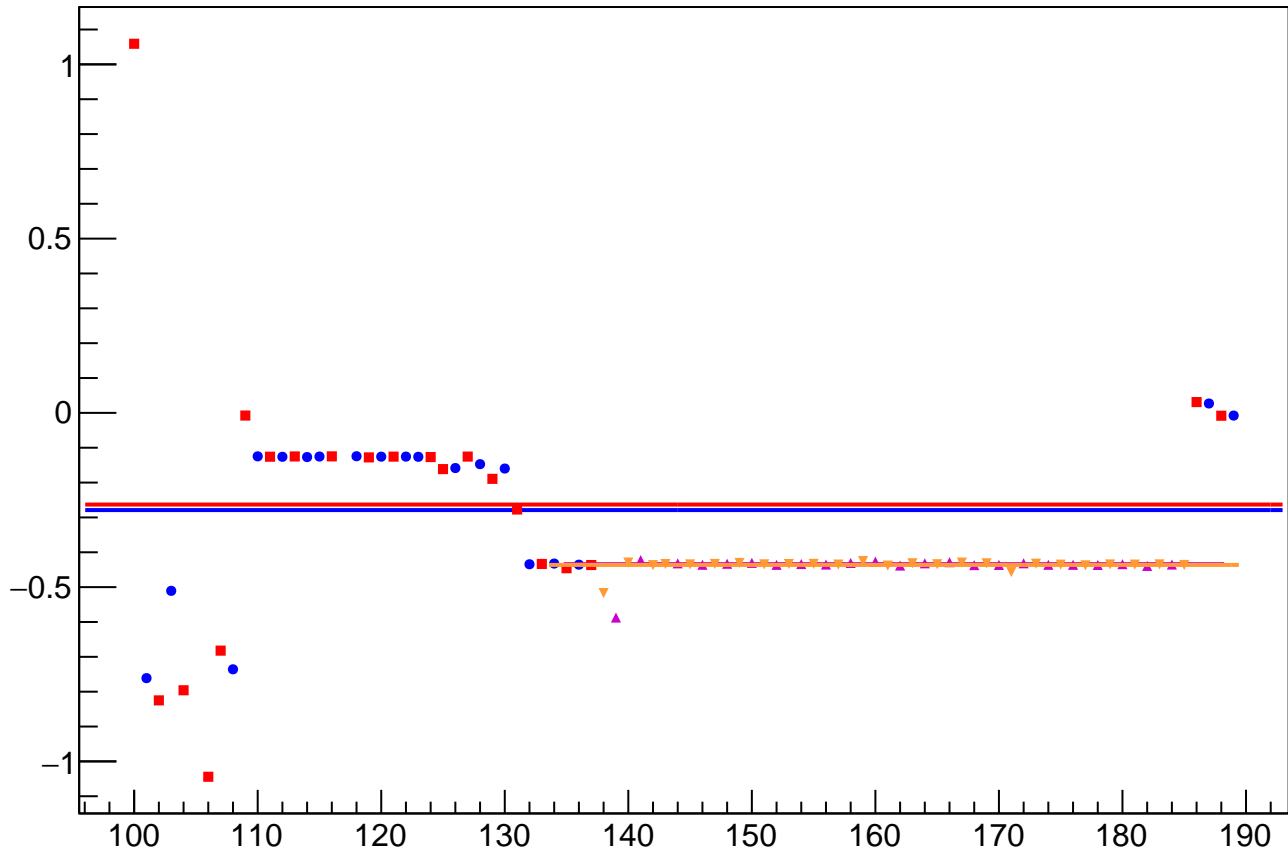
Left In: 0.009 \pm 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.009 \pm 0.000 χ^2 /NDF: 3329328.8/43

All: 0.009 \pm 0.000 χ^2 /NDF: 7024647.0/87

- sign 0.009 \pm 0.000 χ^2 /NDF: 3694797.2/43

yield_bpm16X_mean vs Slug



Right In: -0.279 ± 0.000 χ^2/NDF : 925286386.0/18

Left Out: -0.436 ± 0.000 χ^2/NDF : 28774660.0/24

Right Out: -0.263 ± 0.000 χ^2/NDF : 1011277557.5/20

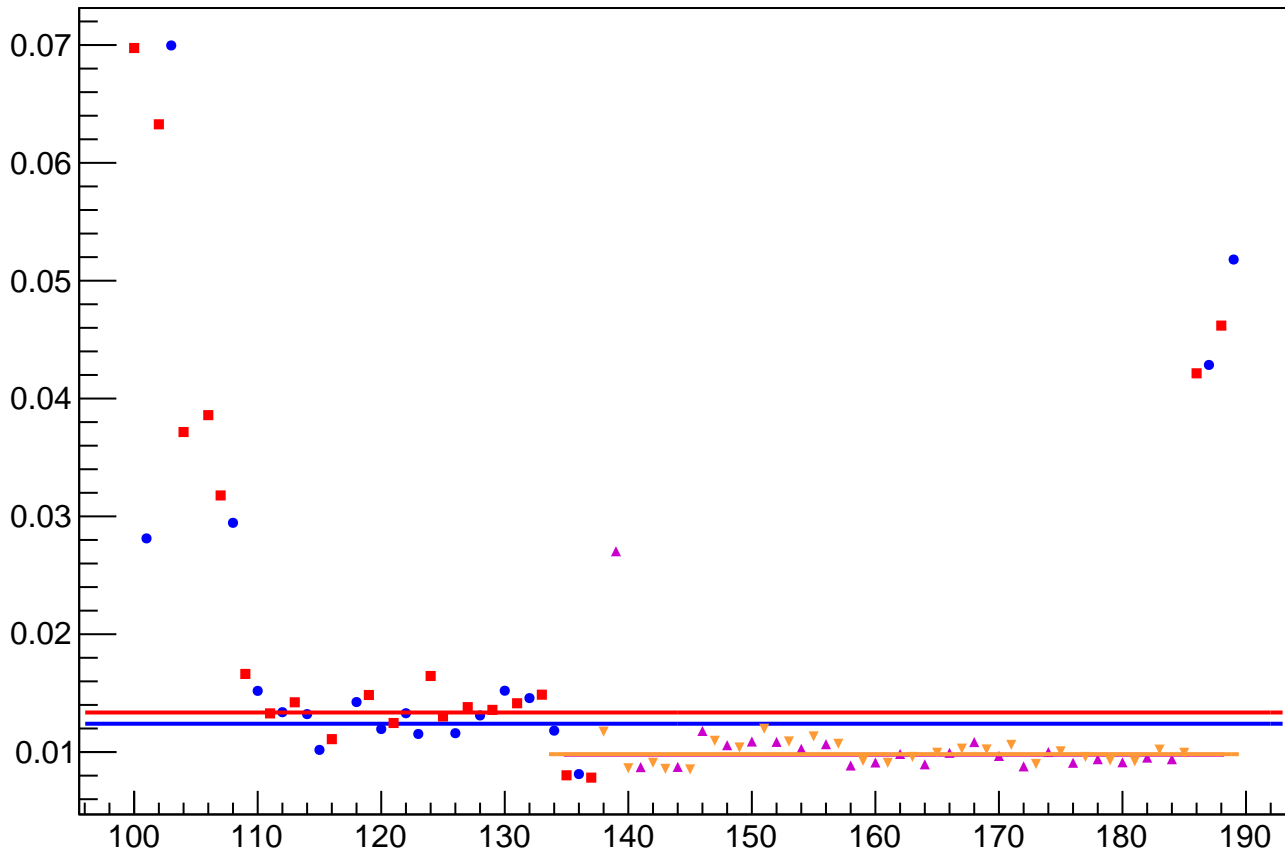
Left In: -0.434 ± 0.000 χ^2/NDF : 23984173.0/22

+ sign -0.410 ± 0.000 χ^2/NDF : 1618856048.3/43

All: -0.408 ± 0.000 χ^2/NDF : 3396869553.5/8

- sign -0.406 ± 0.000 χ^2/NDF : 1776094747.5/43

yield_bpm16X_rms vs Slug



Right In: 0.012 \pm 0.000 χ^2 /NDF: 2378847.2/18

Left Out: 0.010 \pm 0.000 χ^2 /NDF:269242.6/24

Right Out: 0.013 \pm 0.000 χ^2 /NDF: 3176405.9/20

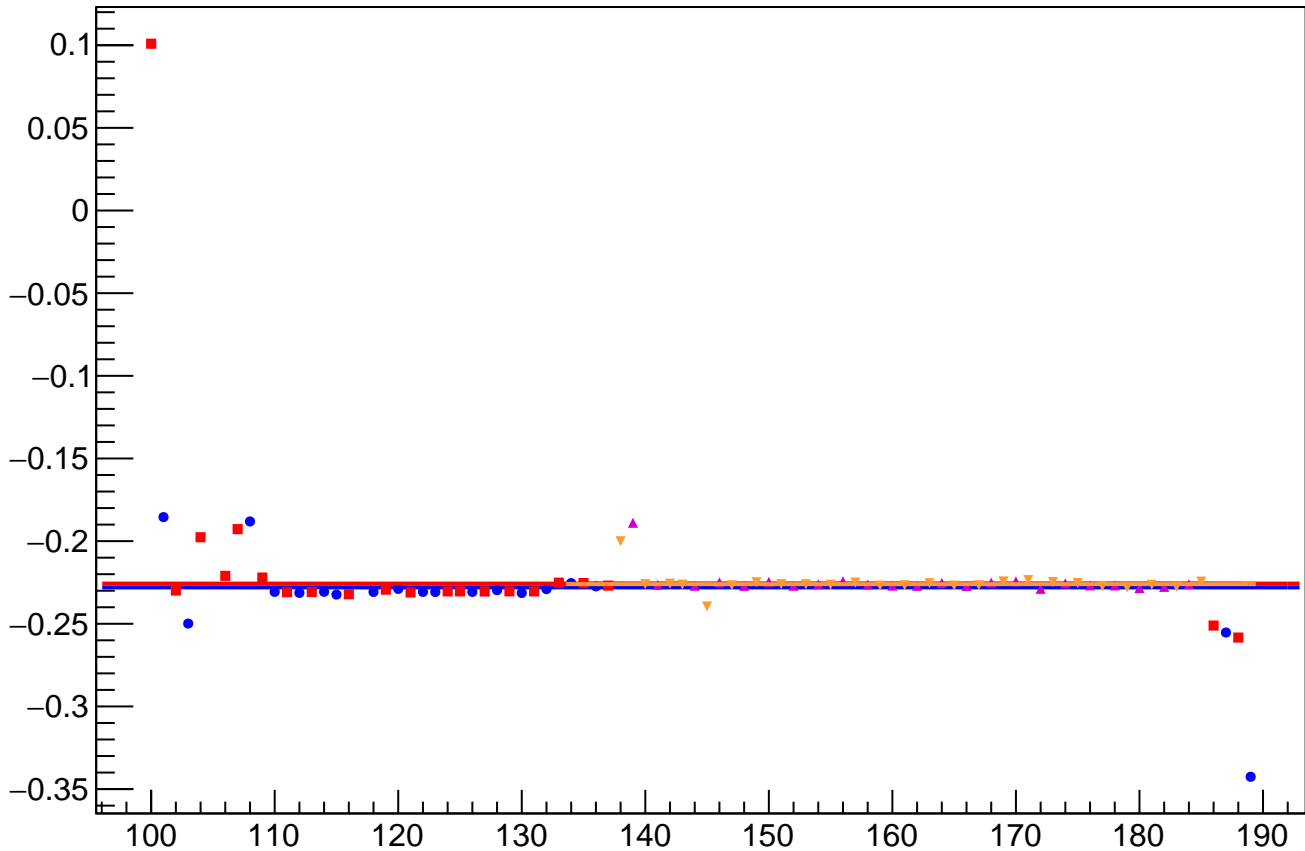
Left In: 0.010 \pm 0.000 χ^2 /NDF:747550.0/22

+ sign 0.010 \pm 0.000 χ^2 /NDF: 3007076.5/43

All: 0.010 \pm 0.000 χ^2 /NDF: 7584364.1/87

- sign 0.010 \pm 0.000 χ^2 /NDF: 4574476.1/43

yield_bpm16Y_mean vs Slug



Right In: -0.228 ± 0.000 $\chi^2/\text{NDF}: 207593460.2/18$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21205667.4/24$

Right Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 189344287.8/20$

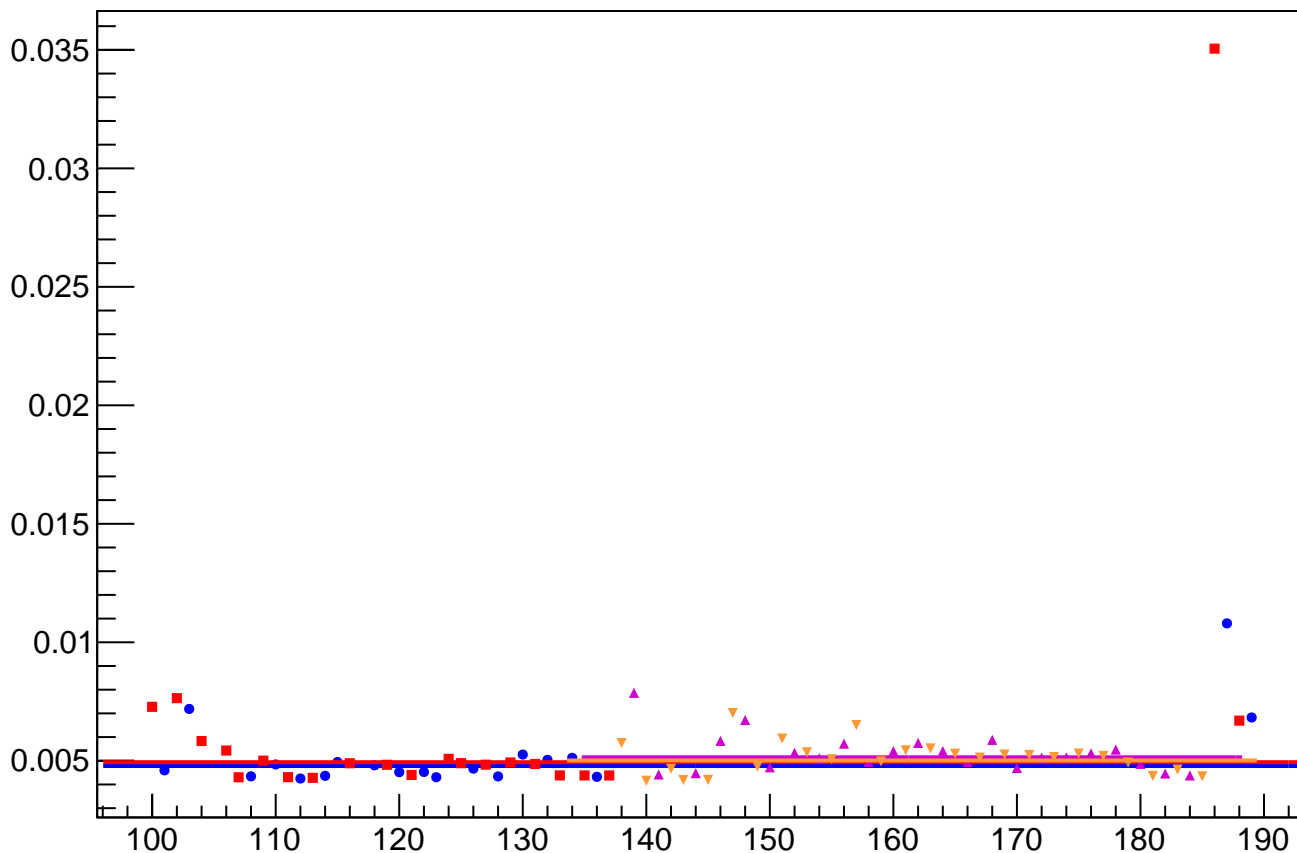
Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 15245251.1/22$

+ sign -0.227 ± 0.000 $\chi^2/\text{NDF}: 229579678.4/43$

All: -0.226 ± 0.000 $\chi^2/\text{NDF}: 434549903.5/87$

- sign -0.226 ± 0.000 $\chi^2/\text{NDF}: 204590030.4/43$

yield_bpm16Y_rms vs Slug



Right In: 0.005 \pm 0.000 χ^2 /NDF: 353941.6/18

Left Out: 0.005 \pm 0.000 χ^2 /NDF:530632.6/24

Right Out: 0.005 \pm 0.000 χ^2 /NDF: 901287.8/20

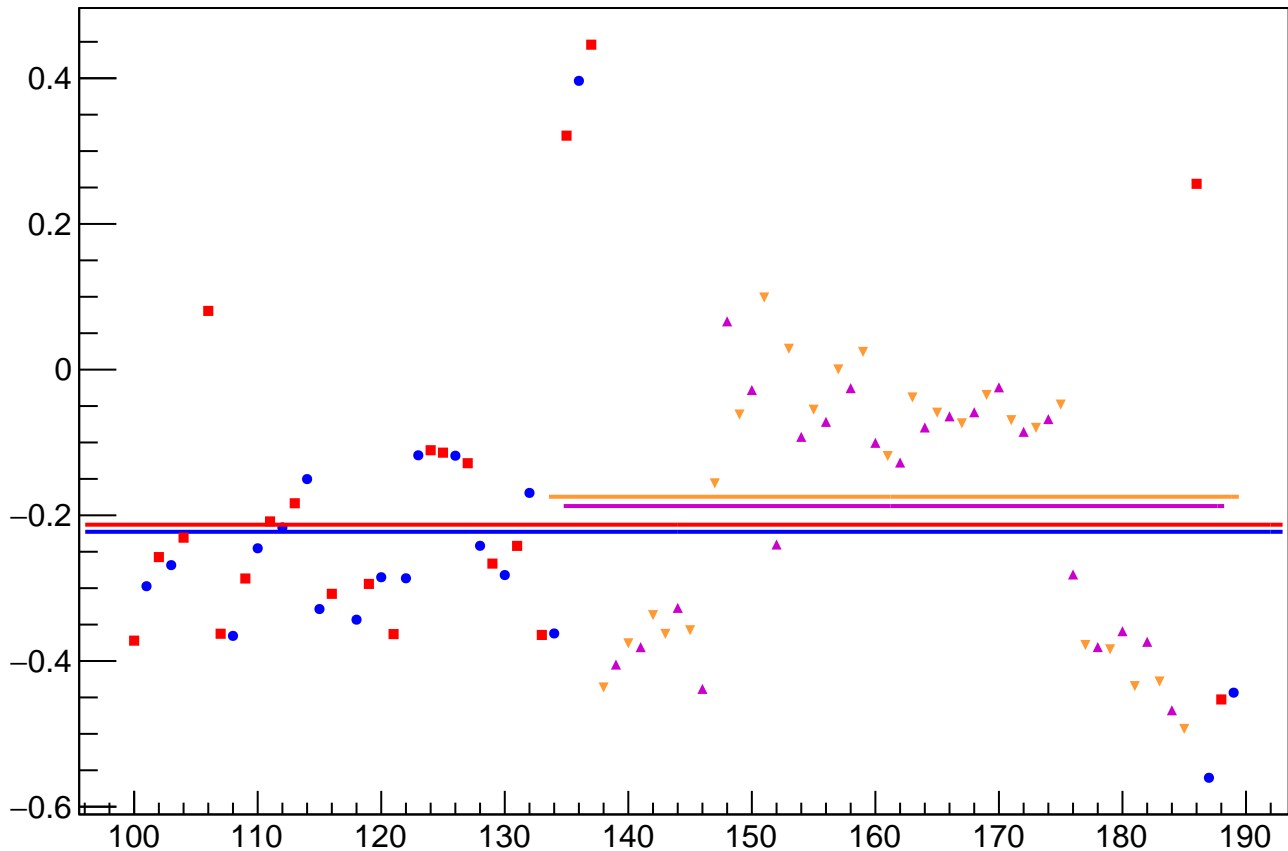
Left In: 0.005 \pm 0.000 χ^2 /NDF:493107.7/22

+ sign 0.005 \pm 0.000 χ^2 /NDF: 906721.0/43

All: 0.005 \pm 0.000 χ^2 /NDF: 2335222.6/87

- sign 0.005 \pm 0.000 χ^2 /NDF: 1411523.2/43

yield_bpm0i02X_mean vs Slug



Right In: -0.223 ± 0.000 χ^2/NDF : 6841723559.2/18

Left Out: -0.174 ± 0.000 χ^2/NDF : 18025533236.1/24

Right Out: -0.213 ± 0.000 χ^2/NDF : 7800722937.8/20

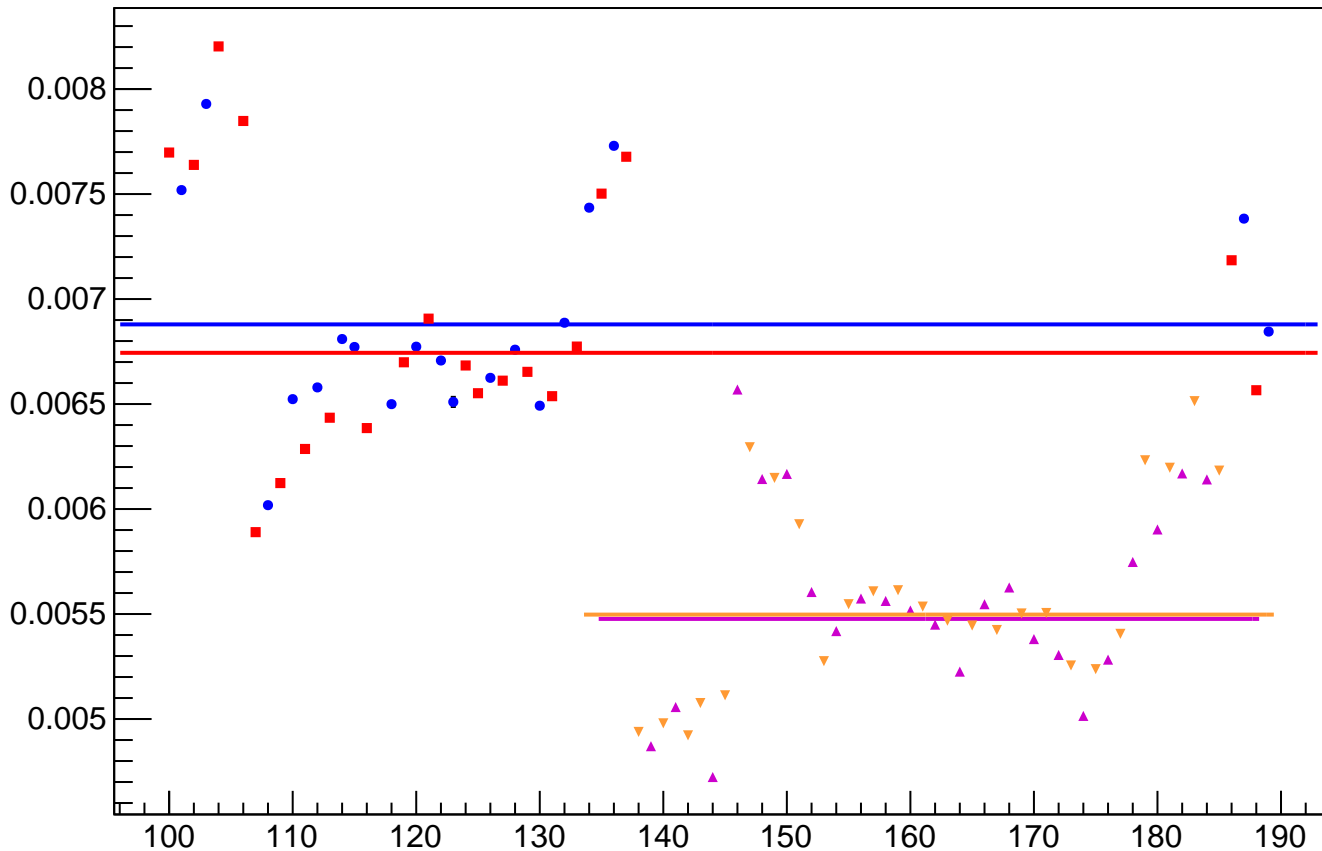
Left In: -0.187 ± 0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.184 ± 0.000 χ^2/NDF : 25145074978.5/43

All: -0.189 ± 0.000 χ^2/NDF : 45880468980.0/43

- sign -0.194 ± 0.000 χ^2/NDF : 20705346159.3/43

yield_bpm0i02X_rms vs Slug



Right In: 0.007 \pm 0.000 χ^2 /NDF: 80096.1/18

Left Out: 0.005 \pm 0.000 χ^2 /NDF:198746.4/24

Right Out: 0.007 \pm 0.000 χ^2 /NDF: 109531.2/20

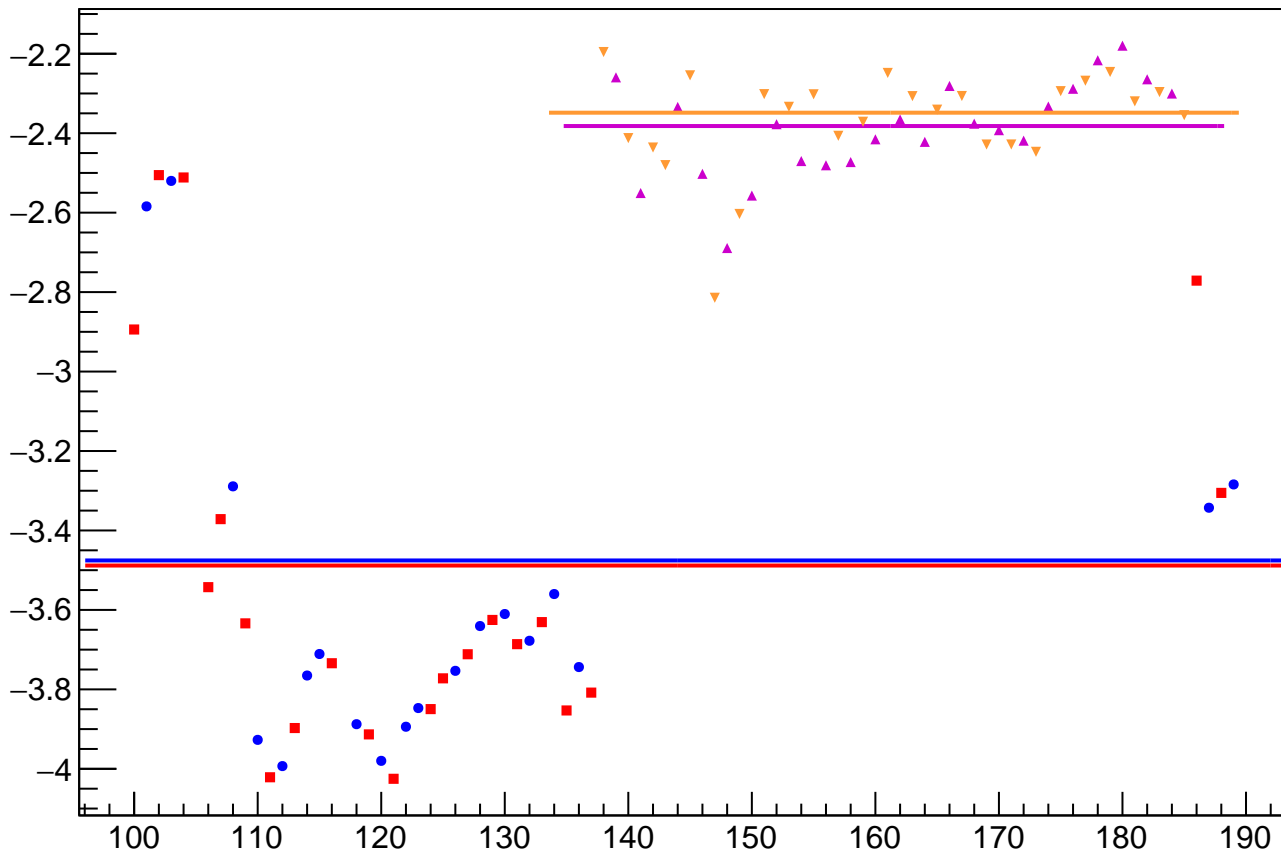
Left In: 0.005 \pm 0.000 χ^2 /NDF:202181.4/22

+ sign 0.006 \pm 0.000 χ^2 /NDF: 736968.7/43

All: 0.006 \pm 0.000 χ^2 /NDF: 1480410.4/87

- sign 0.006 \pm 0.000 χ^2 /NDF: 743430.4/43

yield_bpm0i02Y_mean vs Slug



Right In: -3.475 ± 0.000 $\chi^2/\text{NDF}: 27298682883.6/18$

Left Out: -2.348 ± 0.000 $\chi^2/\text{NDF}: 2158686333.4/24$

Right Out: -3.488 ± 0.000 $\chi^2/\text{NDF}: 28229049128.2/20$

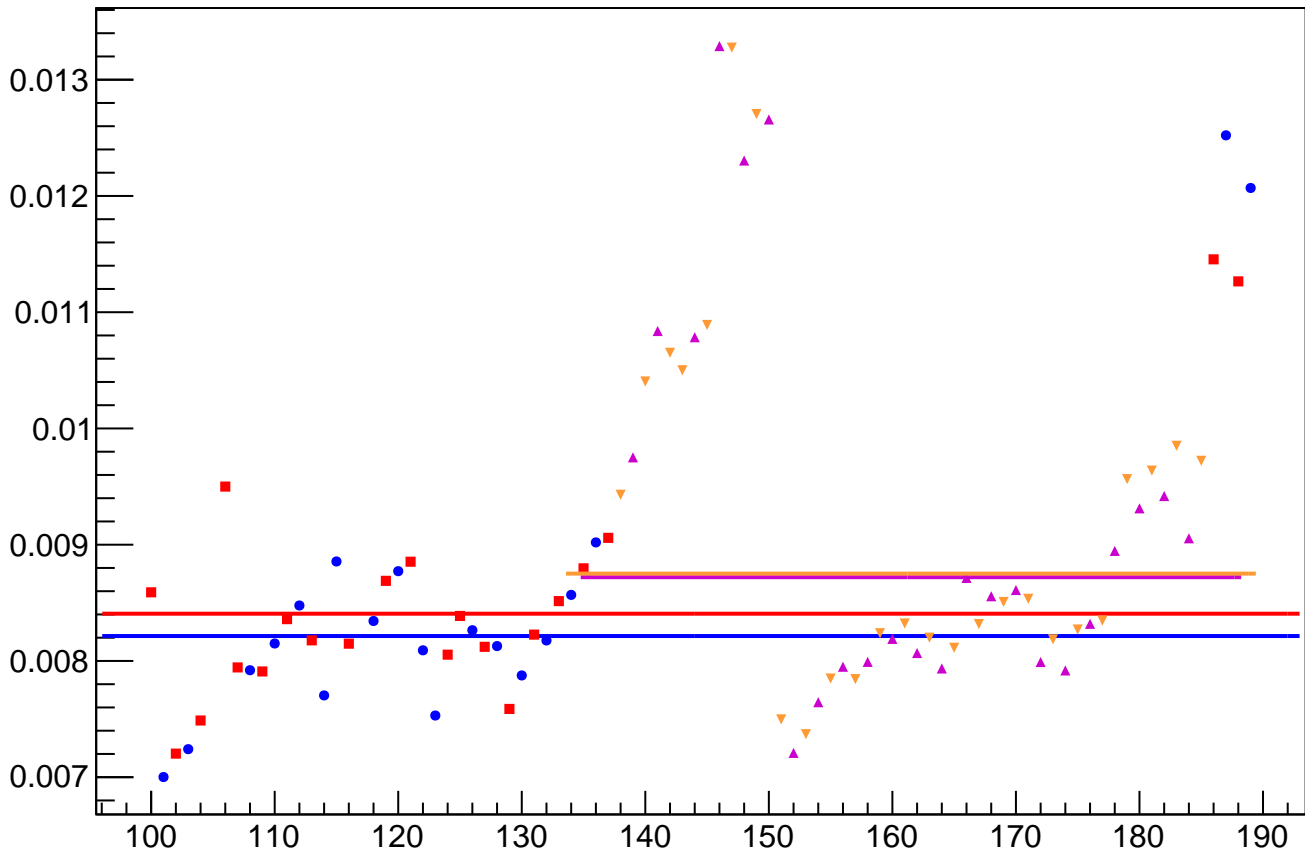
Left In: -2.382 ± 0.000 $\chi^2/\text{NDF}: 2318395228.4/22$

+ sign -2.705 ± 0.000 $\chi^2/\text{NDF}: 119966483445.9/43$

All: -2.734 ± 0.000 $\chi^2/\text{NDF}: 240878389448.5$

- sign -2.763 ± 0.000 $\chi^2/\text{NDF}: 120377348567.8/43$

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2 /NDF: 209176.7/18

Left Out: 0.009+/-0.000 χ^2 /NDF:663672.8/24

Right Out: 0.008+/-0.000 χ^2 /NDF: 238726.0/20

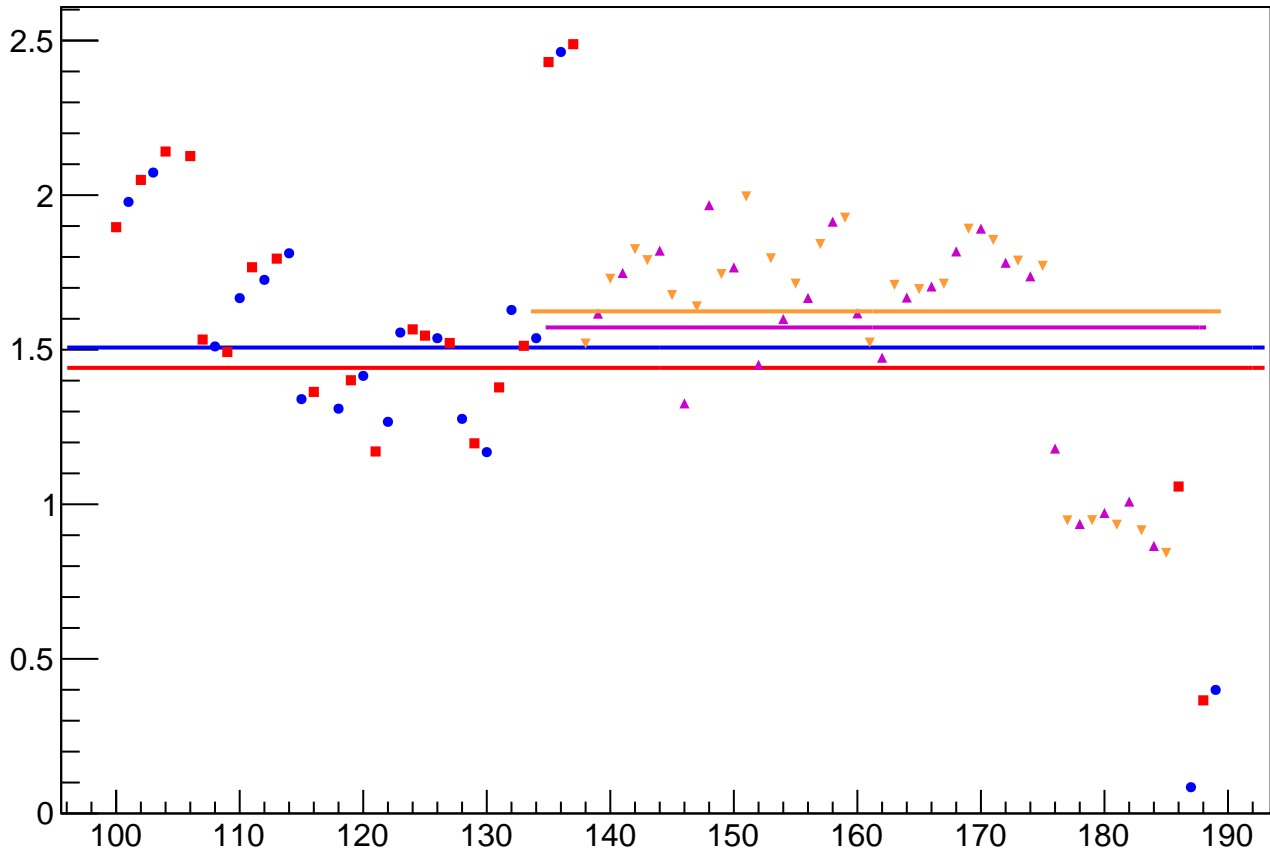
Left In: 0.009+/-0.000 χ^2 /NDF:747867.0/22

+ sign 0.009+/-0.000 χ^2 /NDF: 913952.3/43

All: 0.009+/-0.000 χ^2 /NDF: 1915340.8/87

- sign 0.009+/-0.000 χ^2 /NDF: 1001070.4/43

yield_bpm0i02aX_mean vs Slug



Right In: 1.507 \pm 0.000 χ^2 /NDF: 14583339588.3/18

Left Out: 1.624 \pm 0.000 χ^2 /NDF:16631112386.4/24

Right Out: 1.441 \pm 0.000 χ^2 /NDF: 18158261329.8/20

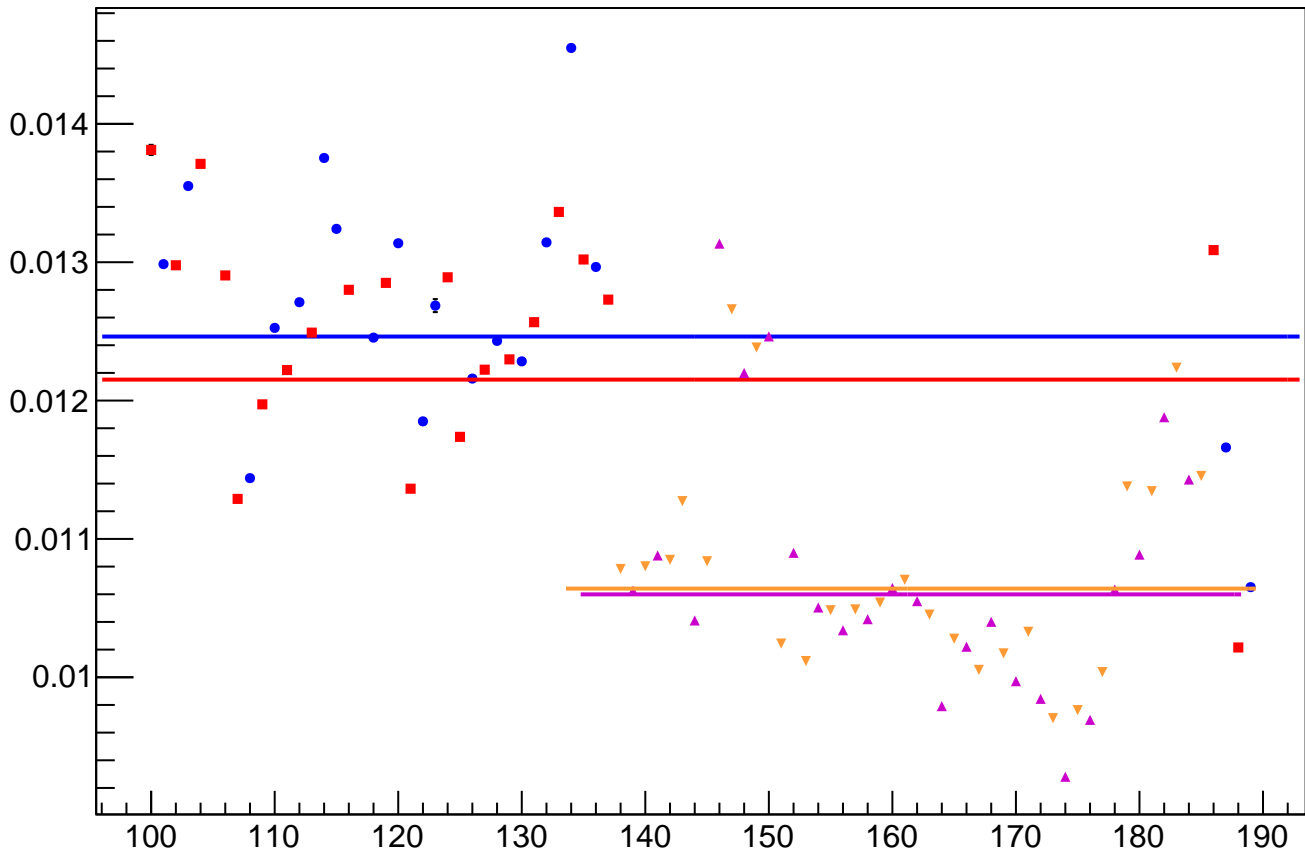
Left In: 1.572 \pm 0.000 χ^2 /NDF:14230484809.4/22

+ sign 1.597 \pm 0.000 χ^2 /NDF: 31700922094.1/43

All: 1.567 \pm 0.000 χ^2 /NDF: 65143919591.9/8

- sign 1.537 \pm 0.000 χ^2 /NDF: 33069686390.8/43

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 \pm 0.000 χ^2 /NDF: 63823.7/18

Left Out: 0.011 \pm 0.000 χ^2 /NDF: 159760.9/24

Right Out: 0.012 \pm 0.000 χ^2 /NDF: 114414.1/20

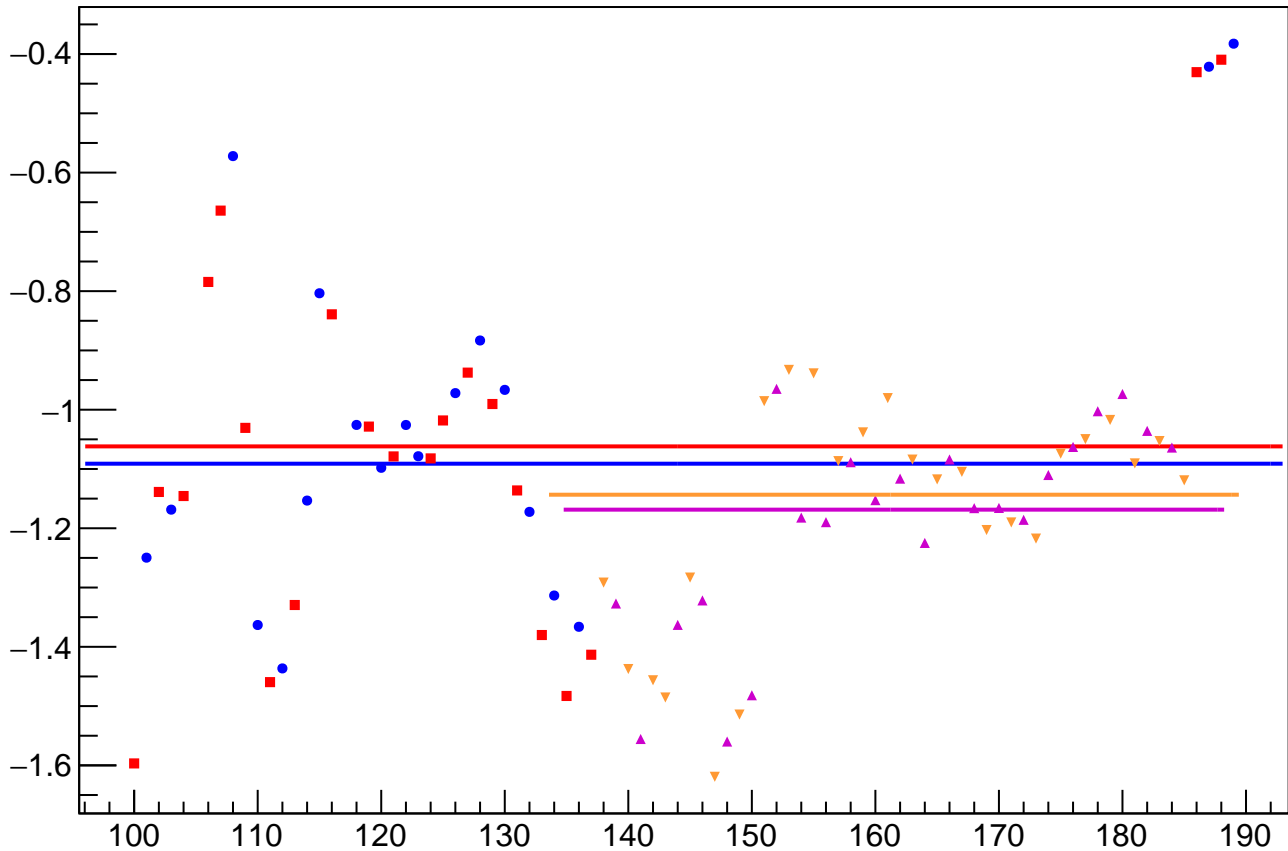
Left In: 0.011 \pm 0.000 χ^2 /NDF: 204531.5/22

+ sign 0.011 \pm 0.000 χ^2 /NDF: 459185.3/43

All: 0.011 \pm 0.000 χ^2 /NDF: 970683.7/87

- sign 0.011 \pm 0.000 χ^2 /NDF: 511221.9/43

yield_bpm0i02aY_mean vs Slug



Right In: -1.091 ± 0.000 $\chi^2/\text{NDF}: 5719667997.4/18$

Left Out: -1.143 ± 0.000 $\chi^2/\text{NDF}: 7976364534.0/24$

Right Out: -1.062 ± 0.000 $\chi^2/\text{NDF}: 8084355096.1/20$

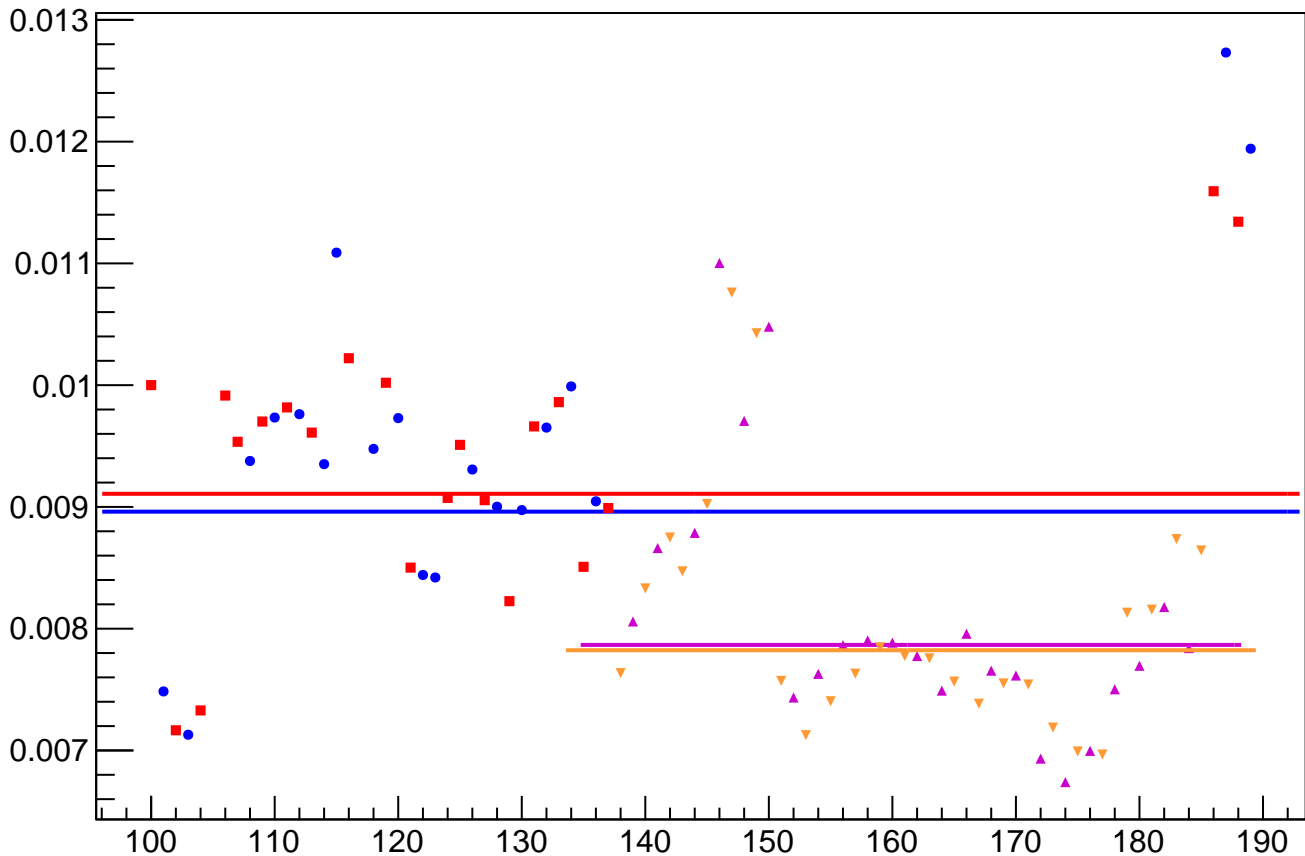
Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

+ sign -1.131 ± 0.000 $\chi^2/\text{NDF}: 13876468685.4/43$

All: -1.136 ± 0.000 $\chi^2/\text{NDF}: 29125546402.9/100$

- sign -1.140 ± 0.000 $\chi^2/\text{NDF}: 15233079461.2/43$

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 240351.5/18

Left Out: 0.008+/-0.000 χ^2/NDF :336387.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 286415.9/20

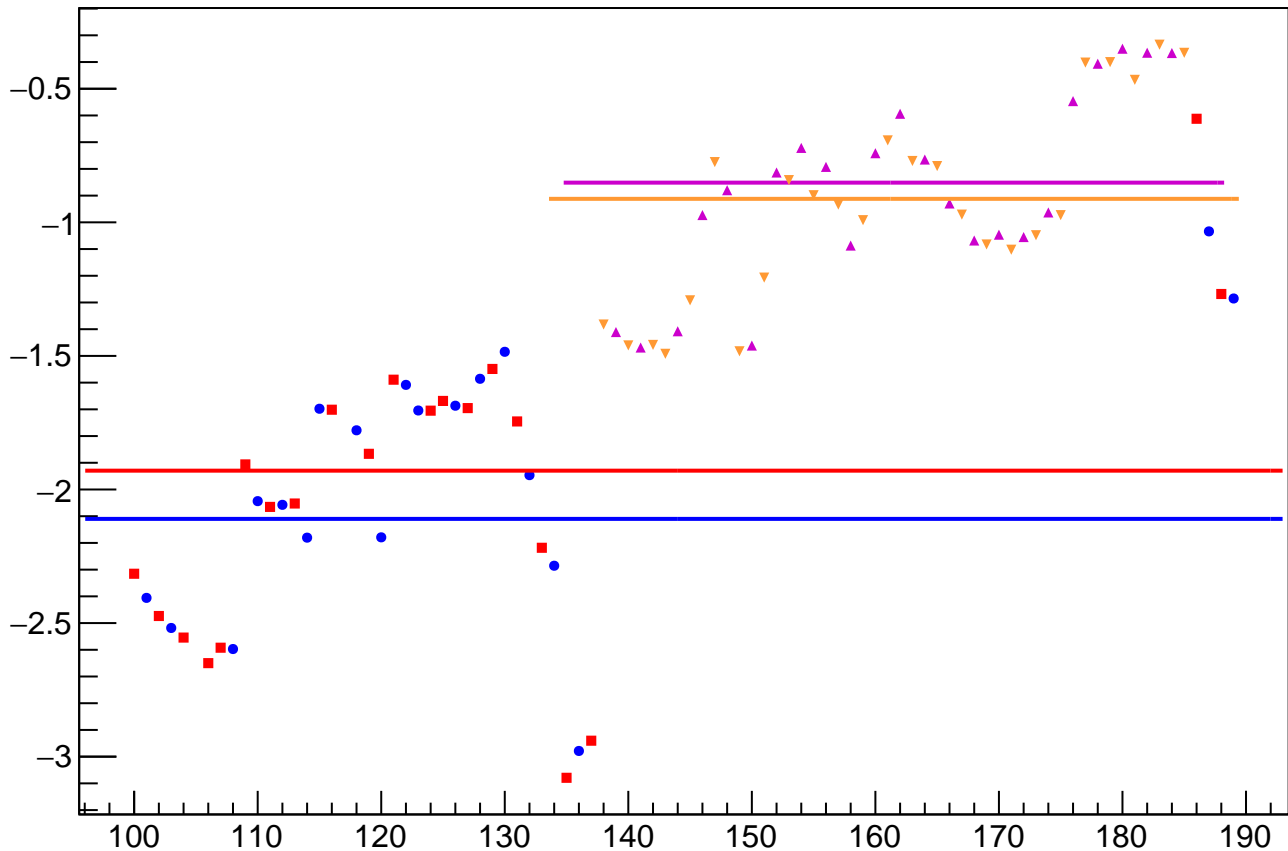
Left In: 0.008+/-0.000 χ^2/NDF :379901.3/22

+ sign 0.008+/-0.000 χ^2/NDF : 747514.2/43

All: 0.008+/-0.000 χ^2/NDF : 1630260.4/87

- sign 0.008+/-0.000 χ^2/NDF : 878954.9/43

yield_bpm0i05X_mean vs Slug



Right In: -2.110 ± 0.000 χ^2/NDF : 31981123593.3/18

Left Out: -0.912 ± 0.000 χ^2/NDF : 49039425818.1/24

Right Out: -1.930 ± 0.000 χ^2/NDF : 62090613302.9/20

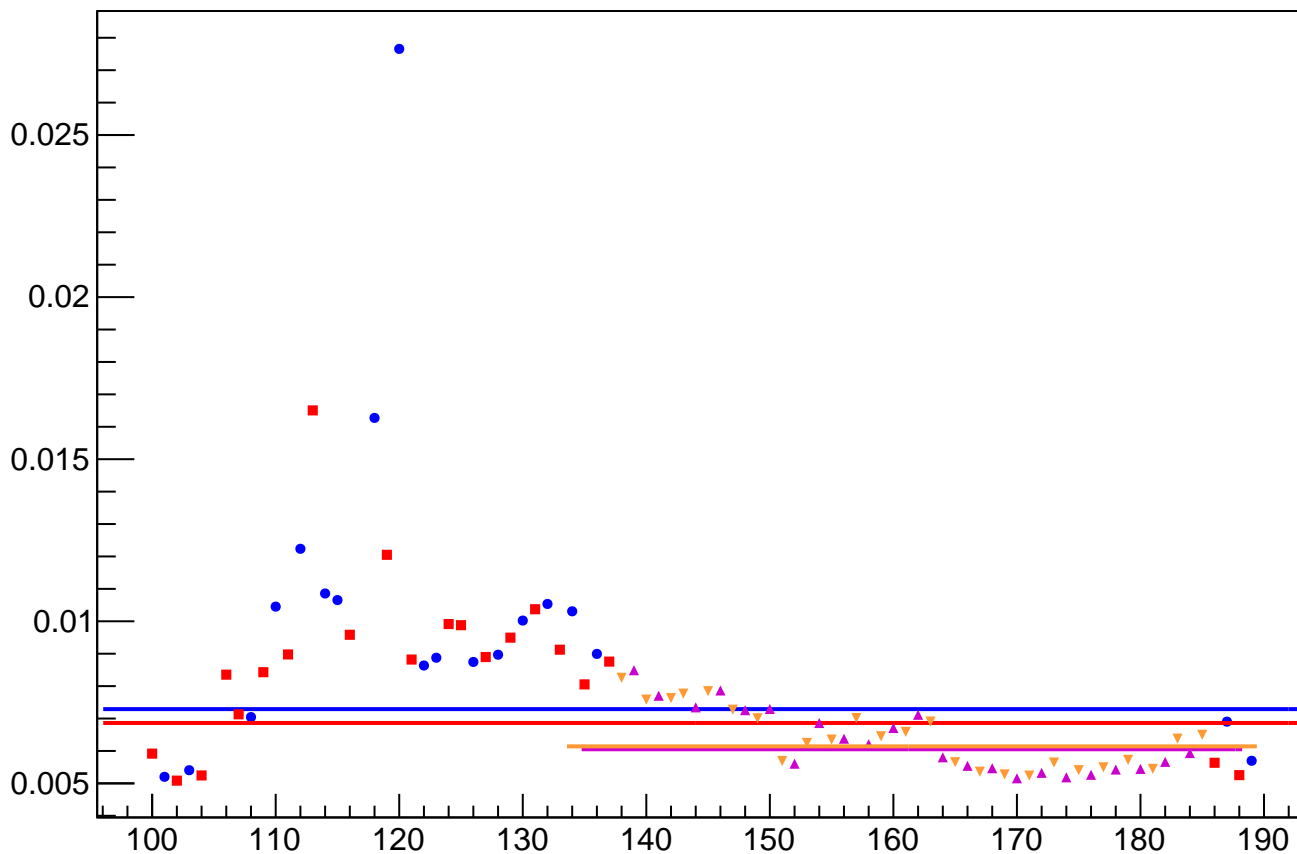
Left In: -0.851 ± 0.000 χ^2/NDF : 46438446008.2/22

+ sign -1.140 ± 0.000 χ^2/NDF : 202350674352.7/43

All: -1.127 ± 0.000 χ^2/NDF : 434751977193.2

- sign -1.115 ± 0.000 χ^2/NDF : 232235356677.4/43

yield_bpm0i05X_rms vs Slug



Right In: 0.007 \pm 0.000 χ^2 /NDF: 1296920.7/18

Left Out: 0.006 \pm 0.000 χ^2 /NDF:637765.4/24

Right Out: 0.007 \pm 0.000 χ^2 /NDF: 1196230.7/20

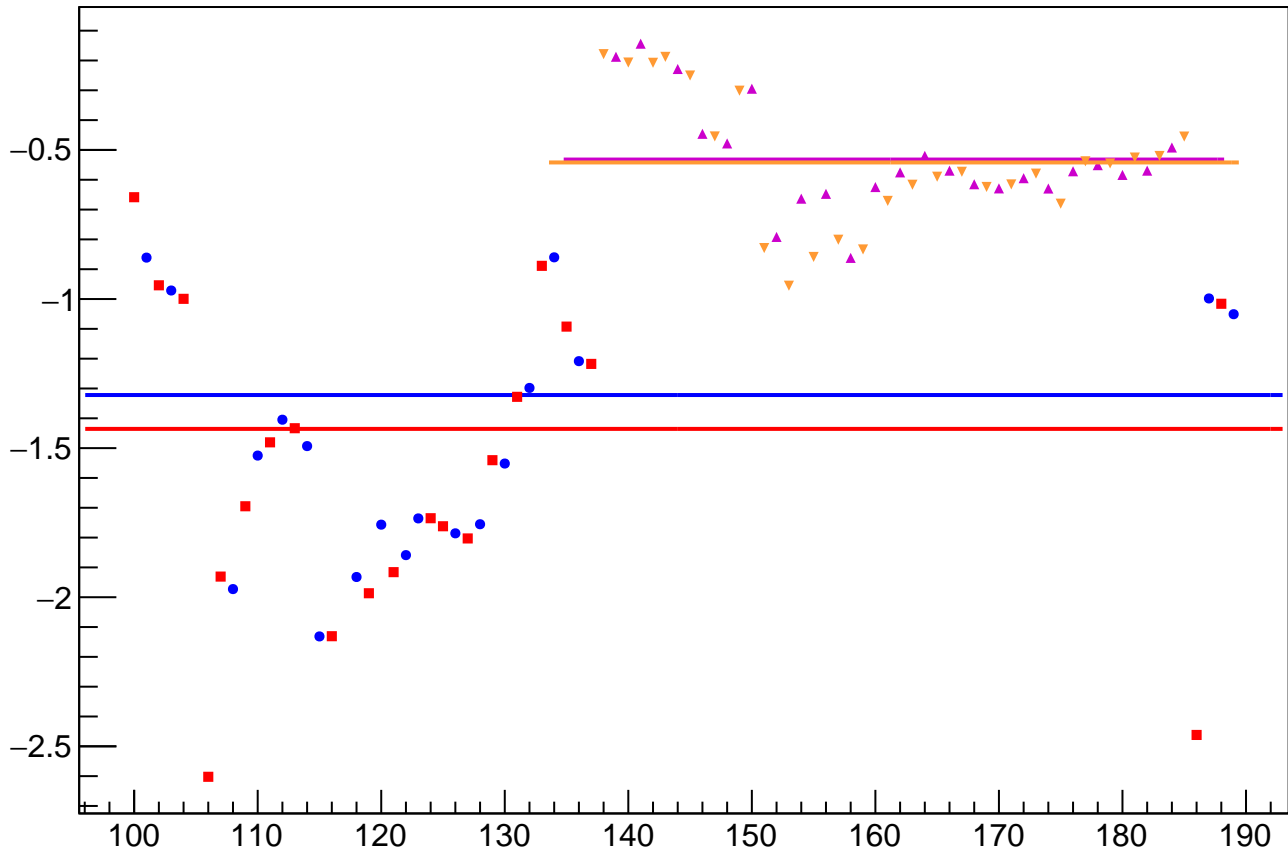
Left In: 0.006 \pm 0.000 χ^2 /NDF:697577.8/22

+ sign 0.006 \pm 0.000 χ^2 /NDF: 2157742.7/43

All: 0.006 \pm 0.000 χ^2 /NDF: 4198178.0/87

- sign 0.006 \pm 0.000 χ^2 /NDF: 2033718.2/43

yield_bpm0i05Y_mean vs Slug



Right In: -1.322+/-0.000 χ^2/NDF : 22442804403.5/18

Left Out: -0.542+/-0.000 χ^2/NDF : 47268284910.3/24

Right Out: -1.435+/-0.000 χ^2/NDF : 65364260610.8/20

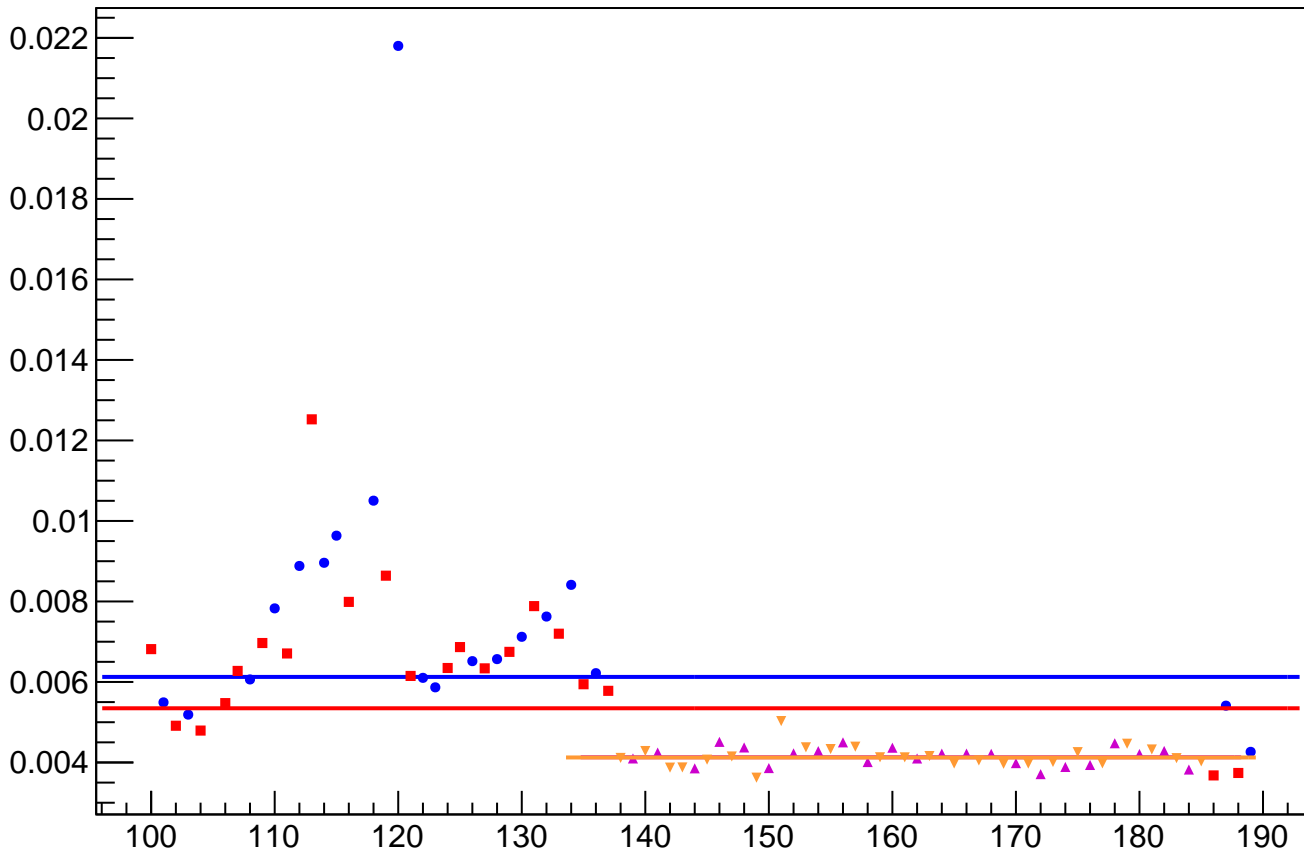
Left In: -0.532+/-0.000 χ^2/NDF : 30715235426.8/22

+ sign -0.648+/-0.000 χ^2/NDF : 151781584261.2/43

All: -0.680+/-0.000 χ^2/NDF : 402427768036.7

- sign -0.712+/-0.000 χ^2/NDF : 248263912260.1/43

yield_bpm0i05Y_rms vs Slug



Right In: 0.006 \pm 0.000 χ^2 /NDF: 763989.9/18

Left Out: 0.004 \pm 0.000 χ^2 /NDF:113033.9/24

Right Out: 0.005 \pm 0.000 χ^2 /NDF: 1076644.0/20

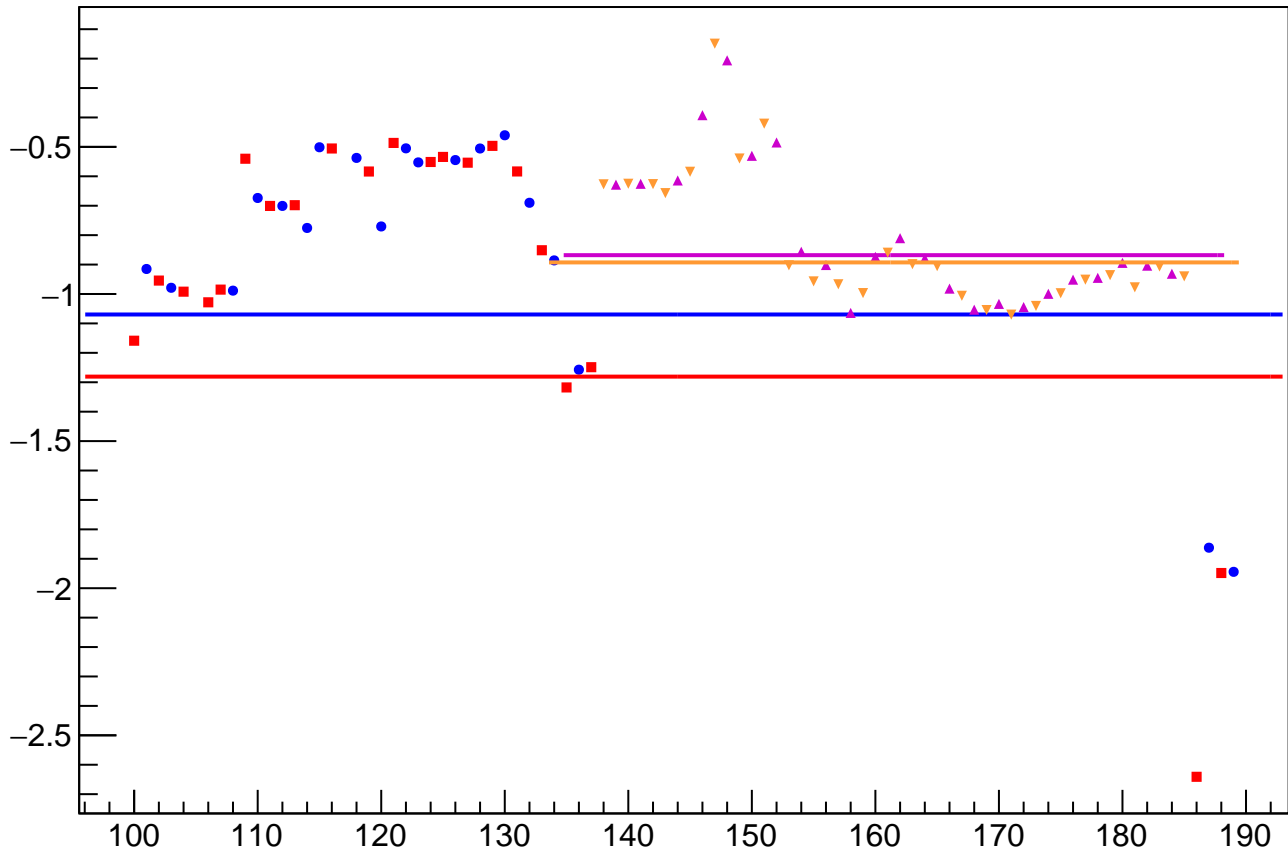
Left In: 0.004 \pm 0.000 χ^2 /NDF:93111.2/22

+ sign 0.004 \pm 0.000 χ^2 /NDF: 1957414.3/43

All: 0.004 \pm 0.000 χ^2 /NDF: 3680151.6/87

- sign 0.004 \pm 0.000 χ^2 /NDF: 1722040.5/43

yield_bpm0i07X_mean vs Slug



Right In: -1.070 ± 0.000 χ^2/NDF : 69434416634.0/18

Left Out: -0.893 ± 0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.281 ± 0.000 χ^2/NDF : 166653003564.4/20

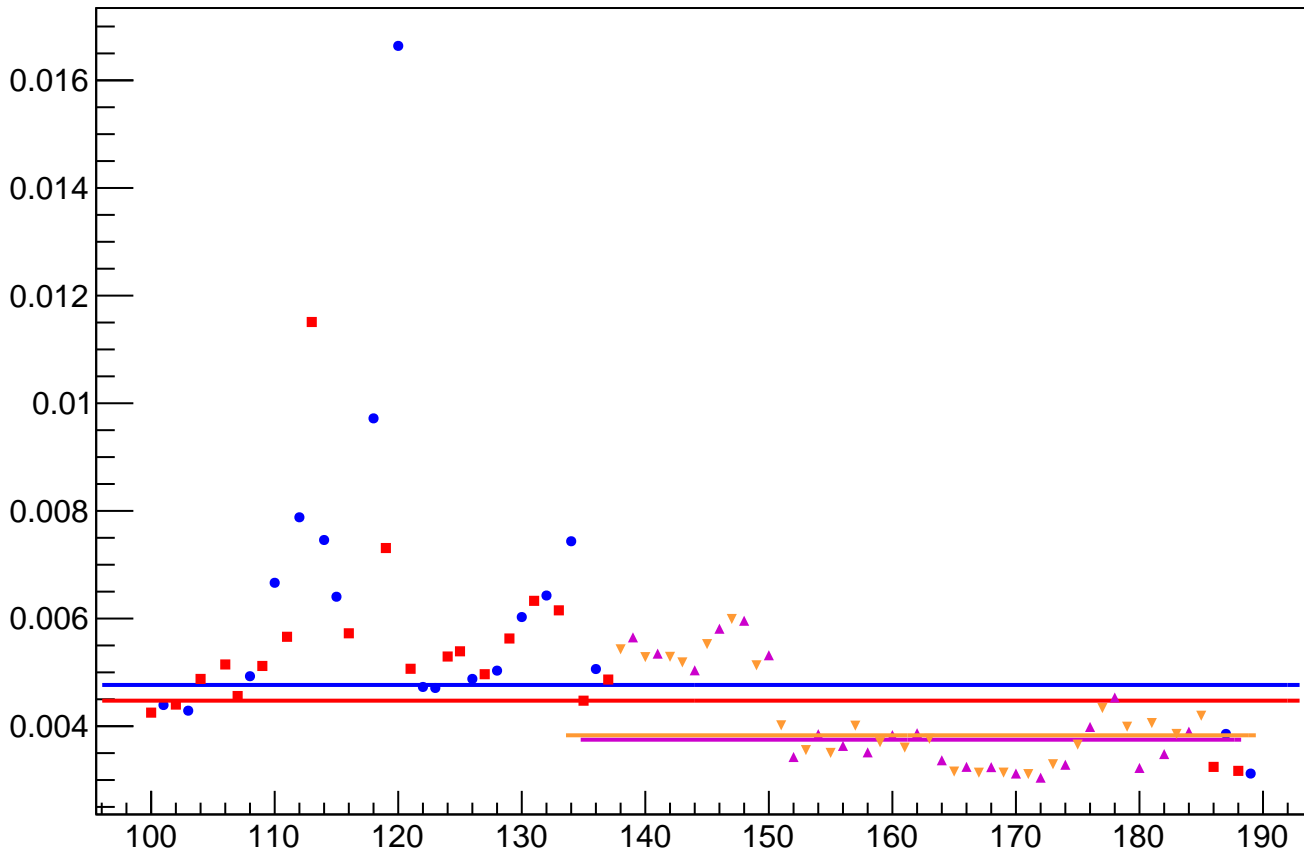
Left In: -0.868 ± 0.000 χ^2/NDF : 43853190177.2/22

+ sign -0.925 ± 0.000 χ^2/NDF : 116700946639.2/43

All: -0.946 ± 0.000 χ^2/NDF : 372926994890.8

- sign -0.965 ± 0.000 χ^2/NDF : 255112452783.0/43

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1018393.1/18

Left Out: 0.004+/-0.000 χ^2/NDF :1179801.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 973067.7/20

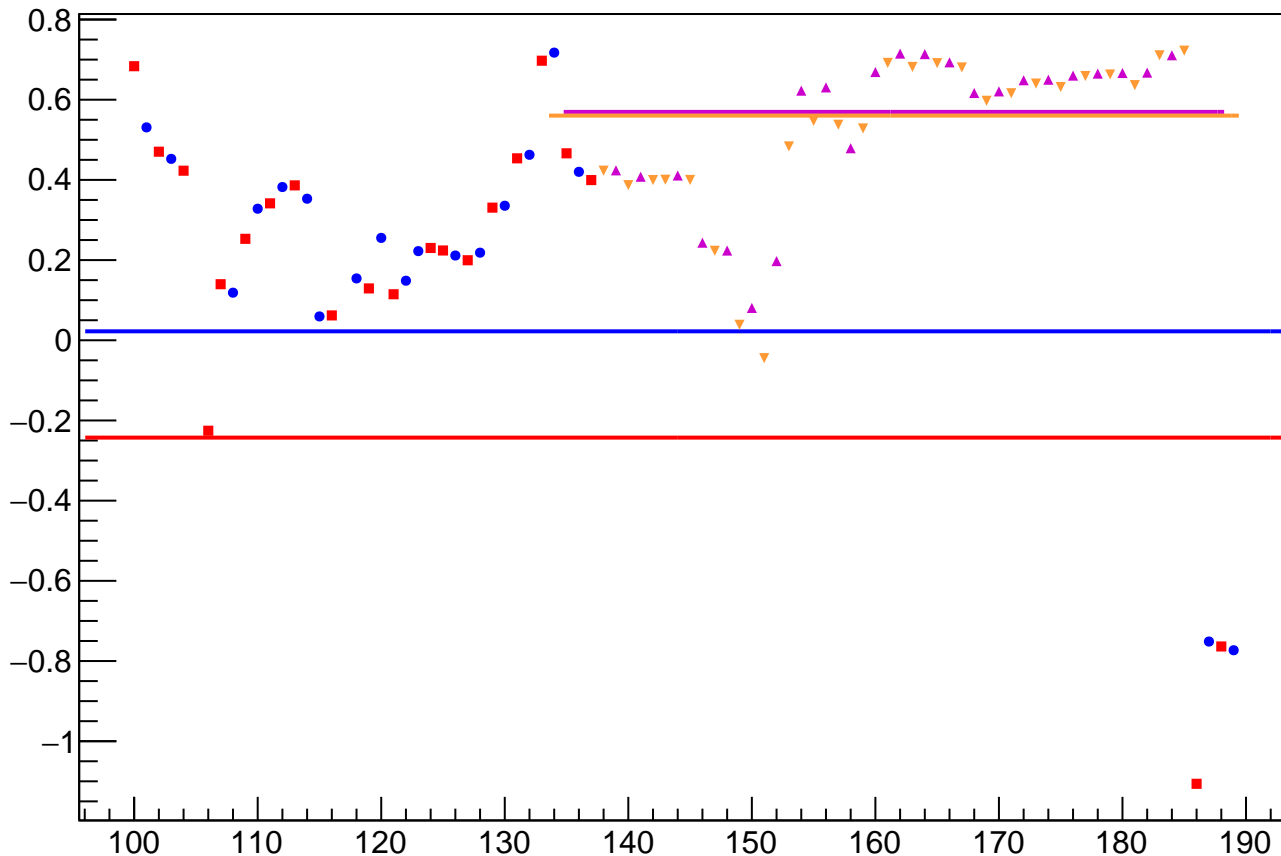
Left In: 0.004+/-0.000 χ^2/NDF :1288490.4/22

+ sign 0.004+/-0.000 χ^2/NDF : 2560164.4/43

All: 0.004+/-0.000 χ^2/NDF : 5107023.9/87

- sign 0.004+/-0.000 χ^2/NDF : 2536954.1/43

yield_bpm0i07Y_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 134740339731.6/18

Left Out: 0.560+/-0.000 χ^2/NDF : 45205806387.2/24

Right Out: -0.243+/-0.000 χ^2/NDF : 280629343775.6/20

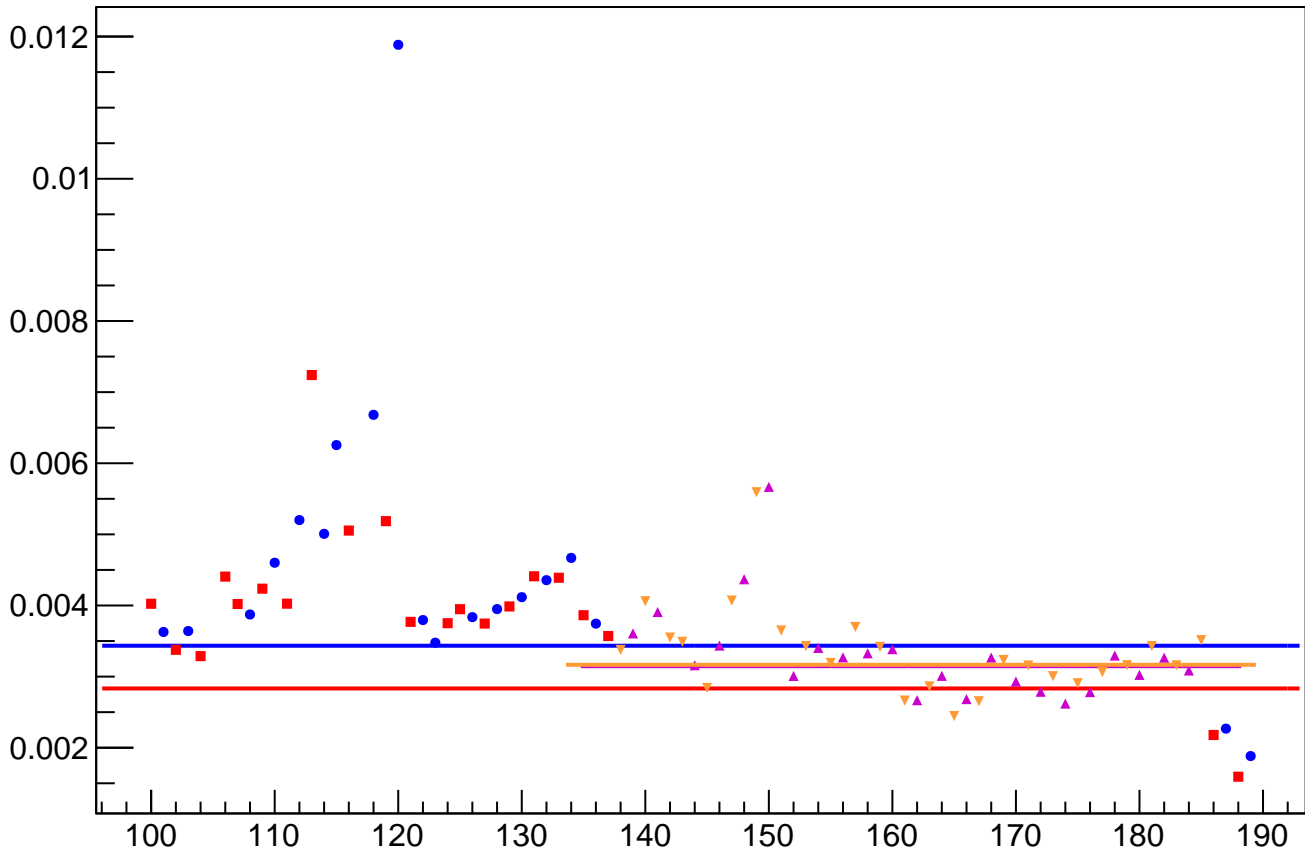
Left In: 0.570+/-0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.436+/-0.000 χ^2/NDF : 288633552104.0/43

All: 0.364+/-0.000 χ^2/NDF : 974242453421.3

- sign 0.299+/-0.000 χ^2/NDF : 665011894100.3/43

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1362548.7/18

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 2247713.8/20

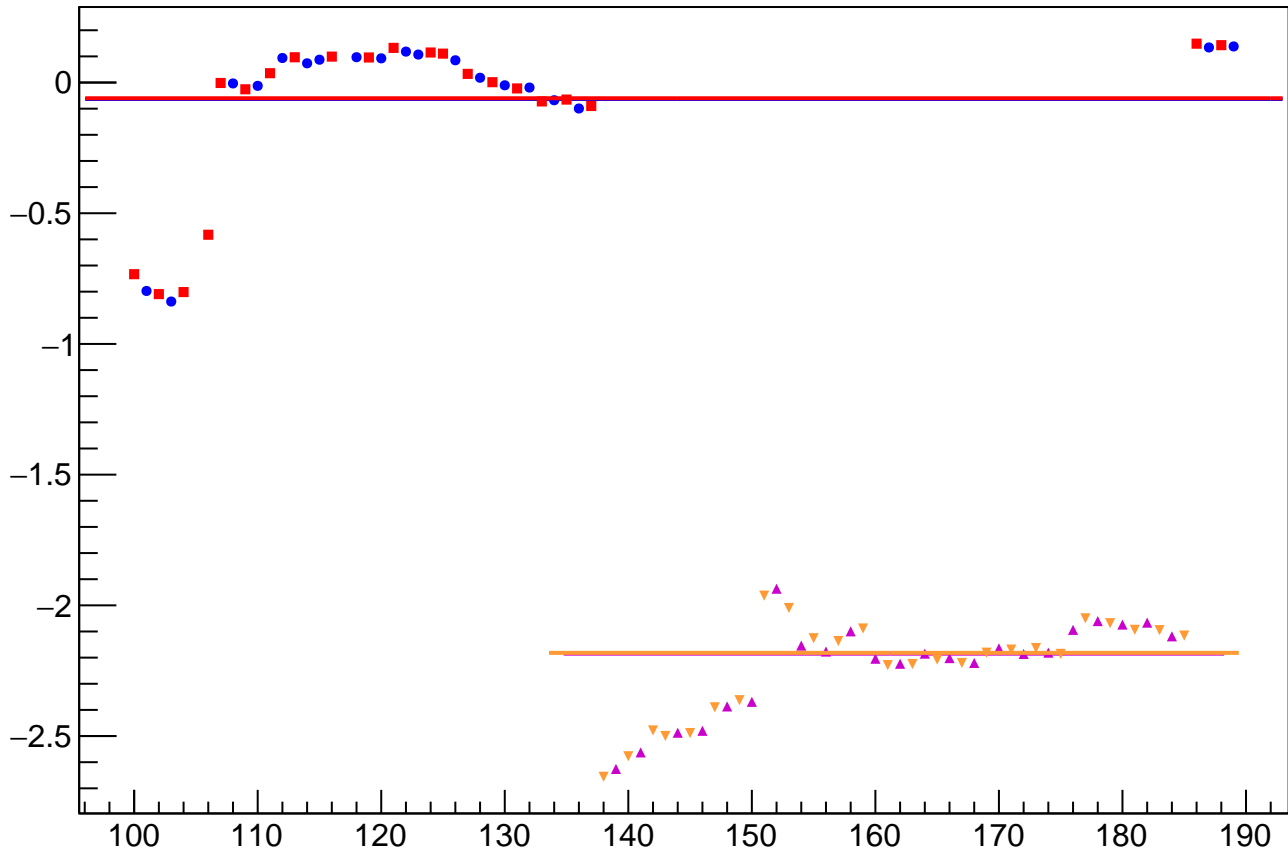
Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 2161415.1/43

All: 0.003+/-0.000 χ^2/NDF : 5303975.1/87

- sign 0.003+/-0.000 χ^2/NDF : 3065807.0/43

yield_bpm1i02X_mean vs Slug



Right In: -0.063 ± 0.000 $\chi^2/\text{NDF}: 5282517807.3/18$

Left Out: -2.182 ± 0.000 $\chi^2/\text{NDF}: 4008829567.0/24$

Right Out: -0.060 ± 0.000 $\chi^2/\text{NDF}: 6217870150.7/20$

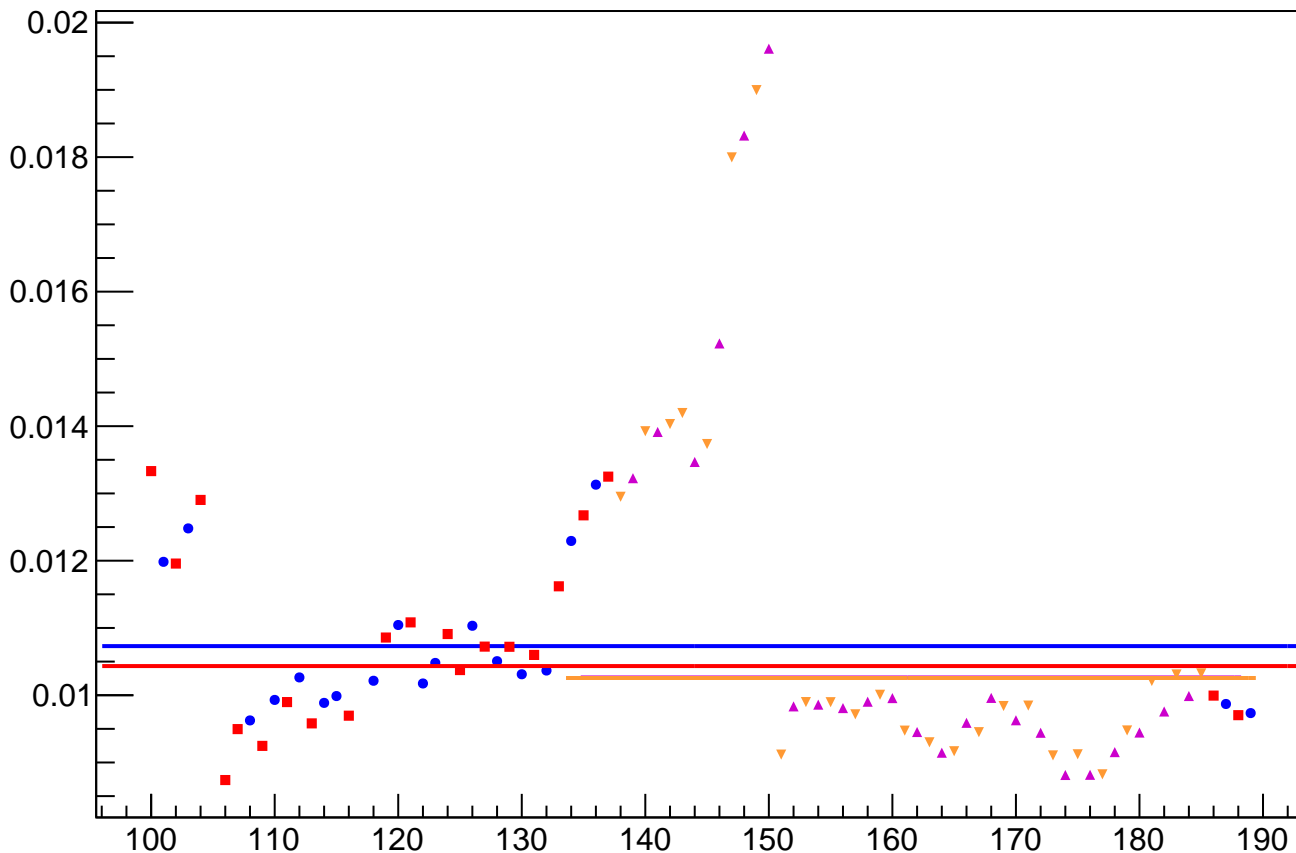
Left In: -2.185 ± 0.000 $\chi^2/\text{NDF}: 3372742534.3/22$

+ sign -1.604 ± 0.000 $\chi^2/\text{NDF}: 214621955127.3/43$

All: -1.549 ± 0.000 $\chi^2/\text{NDF}: 456529438220.0$

- sign -1.494 ± 0.000 $\chi^2/\text{NDF}: 240507771732.6/43$

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2 /NDF: 137984.3/18

Left Out: 0.010+/-0.000 χ^2 /NDF:1270617.6/24

Right Out: 0.010+/-0.000 χ^2 /NDF: 192585.6/20

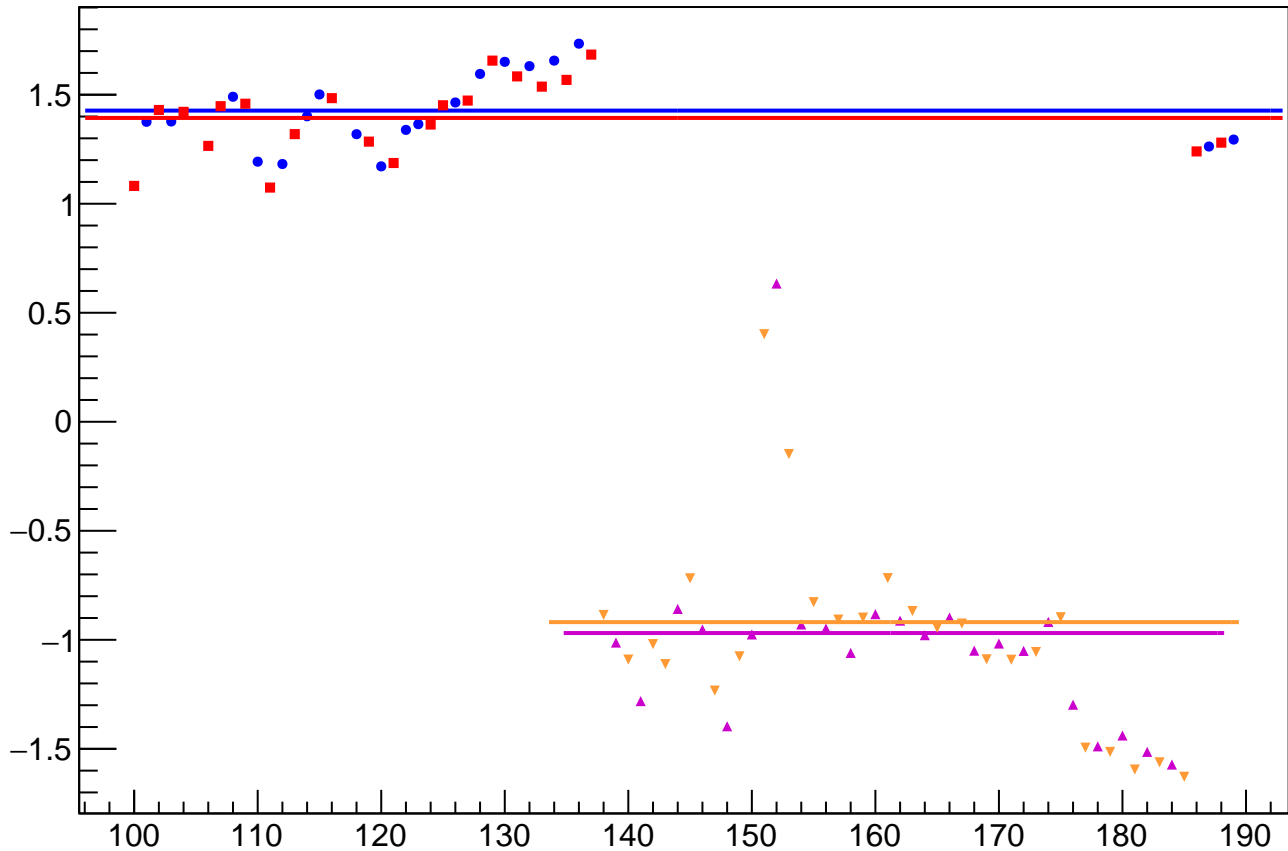
Left In: 0.010+/-0.000 χ^2 /NDF:1340264.2/22

+ sign 0.010+/-0.000 χ^2 /NDF: 1429164.8/43

All: 0.010+/-0.000 χ^2 /NDF: 2965945.7/87

- sign 0.010+/-0.000 χ^2 /NDF: 1535771.9/43

yield_bpm1i02Y_mean vs Slug



Right In: 1.427 ± 0.000 $\chi^2/\text{NDF}: 3677585583.9/18$

Left Out: -0.919 ± 0.000 $\chi^2/\text{NDF}: 55622252895.8/24$

Right Out: 1.394 ± 0.000 $\chi^2/\text{NDF}: 3115183147.2/20$

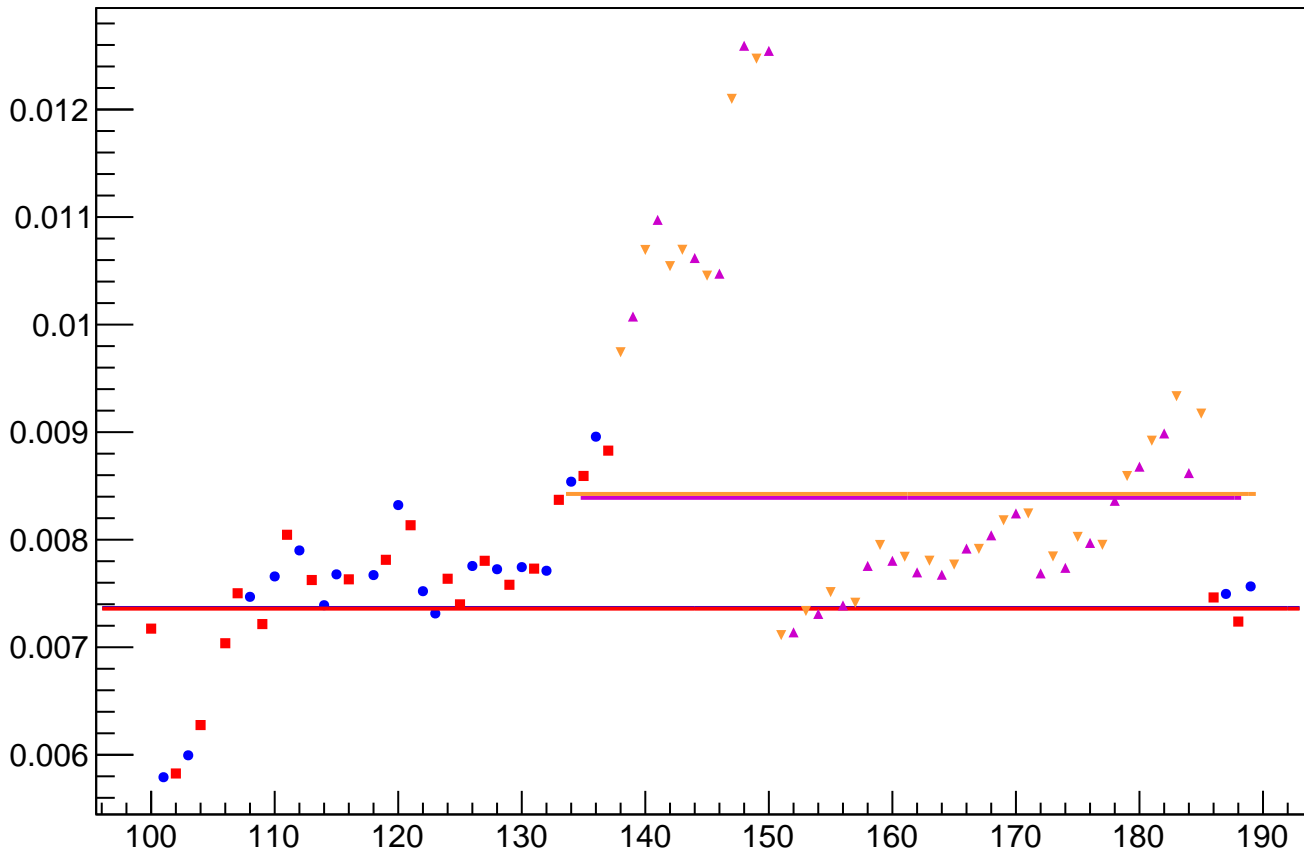
Left In: -0.969 ± 0.000 $\chi^2/\text{NDF}: 54895002535.8/22$

+ sign -0.111 ± 0.000 $\chi^2/\text{NDF}: 537313152623.3/43$

All: -0.080 ± 0.000 $\chi^2/\text{NDF}: 1115955477167$

- sign -0.050 ± 0.000 $\chi^2/\text{NDF}: 577924480833.5/43$

yield_bpm1i02Y_rms vs Slug



Right In: 0.007 \pm 0.000 χ^2 /NDF: 229490.1/18

Left Out: 0.008 \pm 0.000 χ^2 /NDF: 792337.0/24

Right Out: 0.007 \pm 0.000 χ^2 /NDF: 173082.8/20

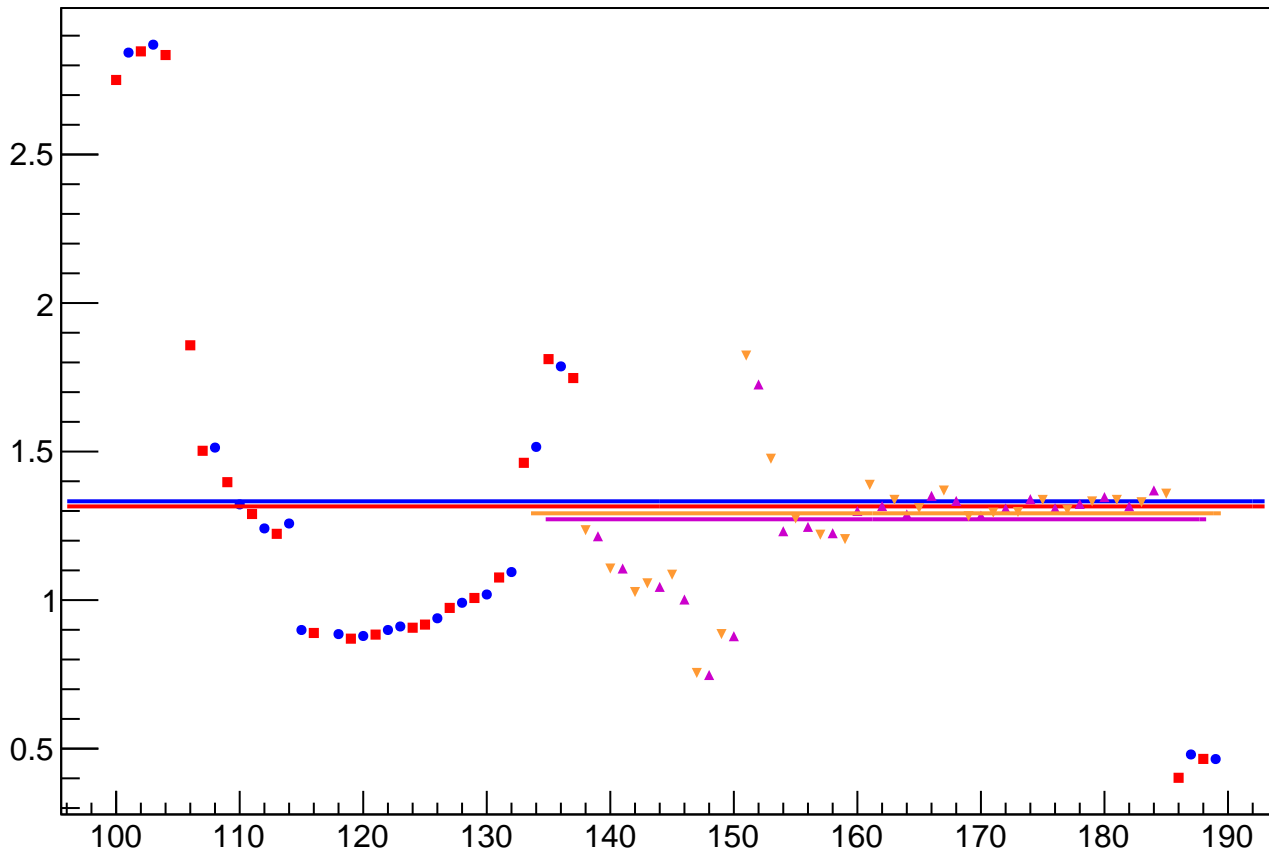
Left In: 0.008 \pm 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 \pm 0.000 χ^2 /NDF: 1217146.6/43

All: 0.008 \pm 0.000 χ^2 /NDF: 2429875.4/87

- sign 0.008 \pm 0.000 χ^2 /NDF: 1210740.1/43

yield_bpm1i04X_mean vs Slug



Right In: 1.333 \pm 0.000 χ^2 /NDF: 59075317136.2/18

Left Out: 1.292 \pm 0.000 χ^2 /NDF: 9305298695.5/24

Right Out: 1.315 \pm 0.000 χ^2 /NDF: 60600292516.5/20

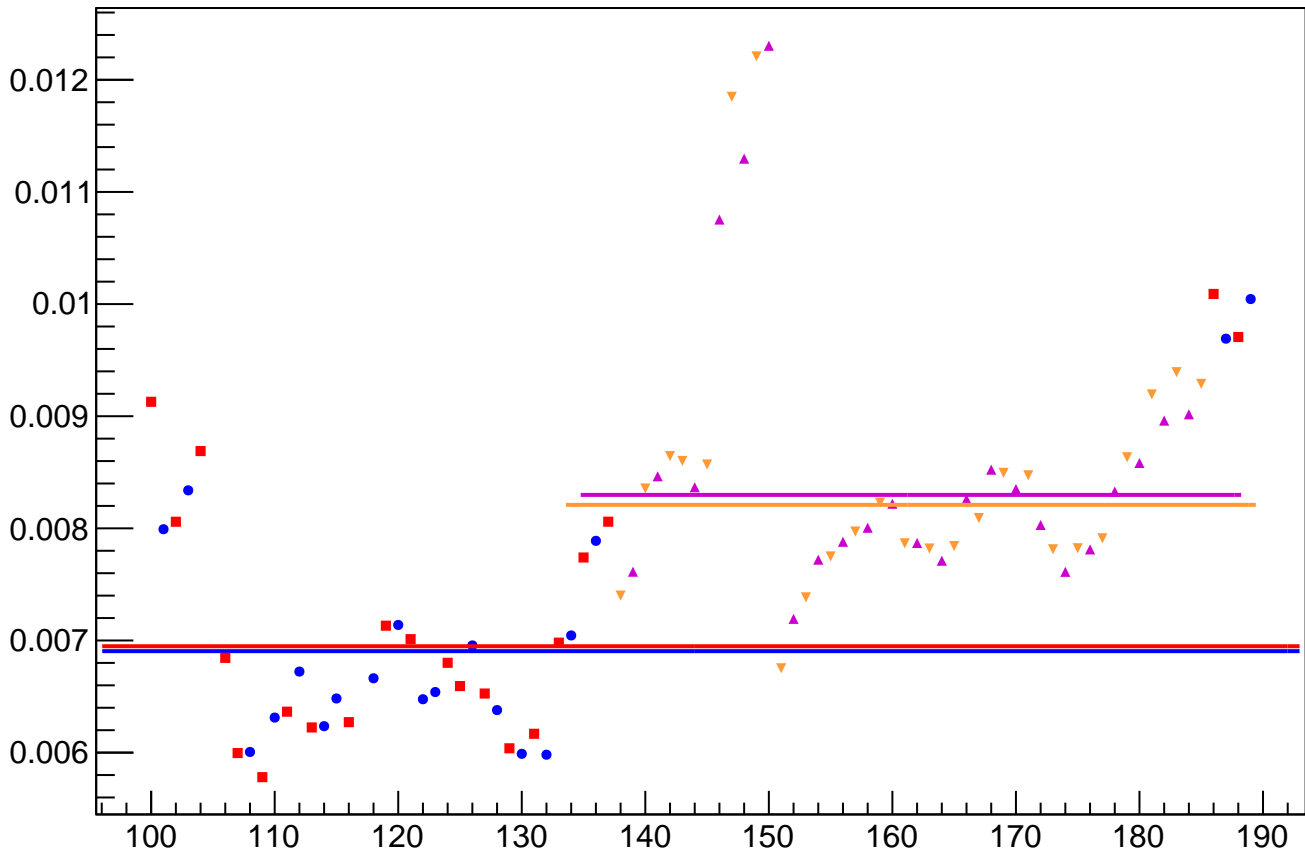
Left In: 1.272 \pm 0.000 χ^2 /NDF: 7573930981.2/22

+ sign 1.307 \pm 0.000 χ^2 /NDF: 68537316791.6/43

All: 1.298 \pm 0.000 χ^2 /NDF: 136959113775.8

- sign 1.290 \pm 0.000 χ^2 /NDF: 68361512793.9/43

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 282700.9/18

Left Out: 0.008+/-0.000 χ^2/NDF : 478864.9/24

Right Out: 0.007+/-0.000 χ^2/NDF : 424664.1/20

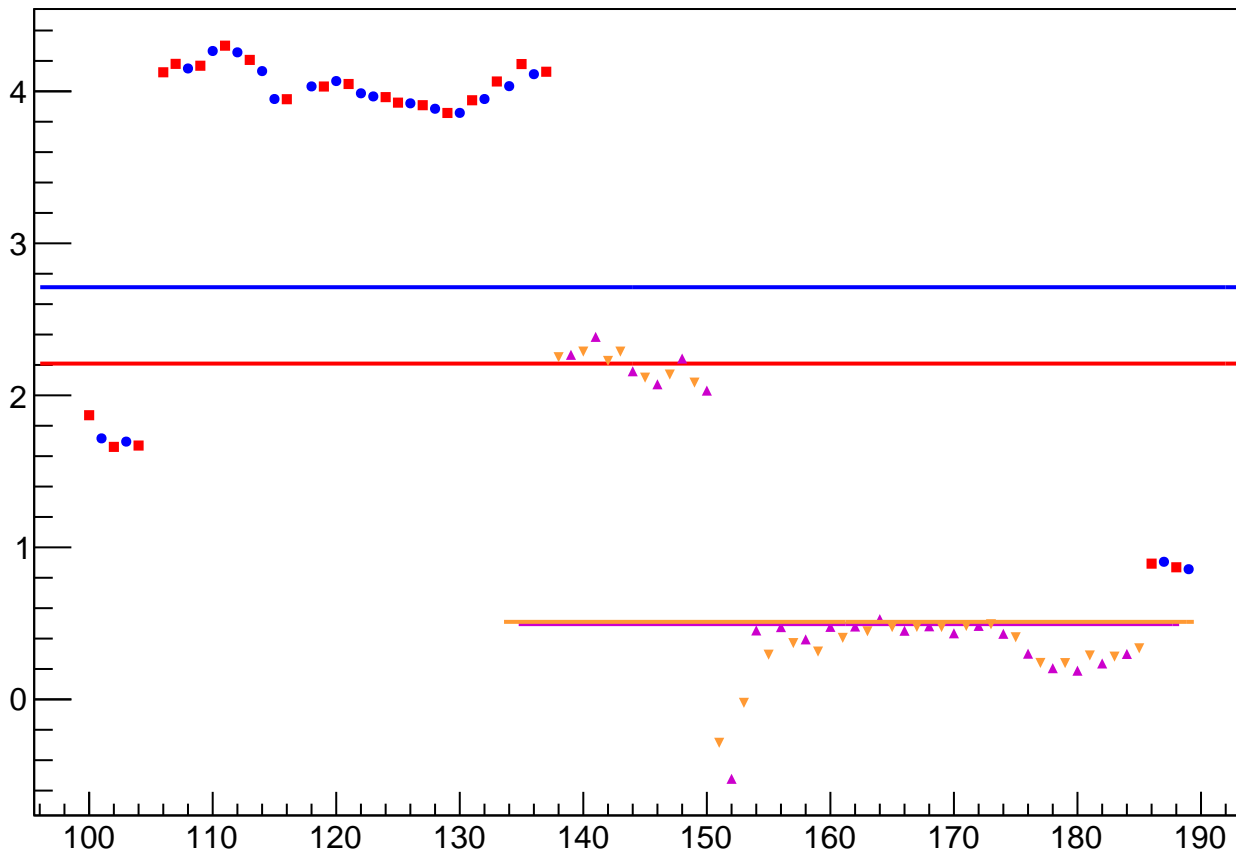
Left In: 0.008+/-0.000 χ^2/NDF : 462022.1/22

+ sign 0.008+/-0.000 χ^2/NDF : 1086973.5/43

All: 0.008+/-0.000 χ^2/NDF : 2336383.3/87

- sign 0.008+/-0.000 χ^2/NDF : 1249355.7/43

yield_bpm1i04Y_mean vs Slug



Right In: 2.711 \pm 0.000 χ^2 /NDF: 707858543482.1/18

Left Out: 0.510 \pm 0.000 χ^2 /NDF:274818814912.4/24

Right Out: 2.209 \pm 0.000 χ^2 /NDF: 1116769127687.9/20

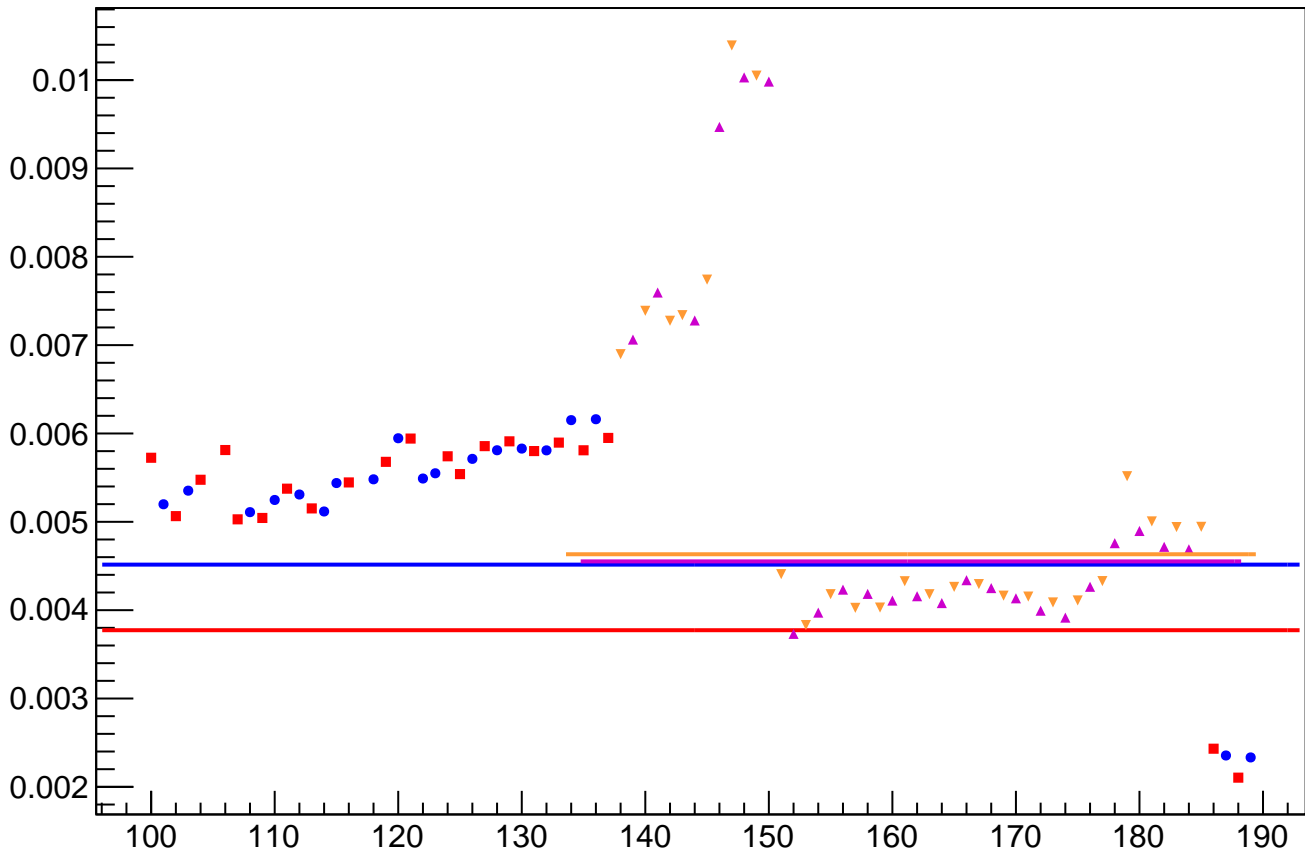
Left In: 0.495 \pm 0.000 χ^2 /NDF:268863202792.4/22

+ sign 1.151 \pm 0.000 χ^2 /NDF: 2077920868693.0/43

All: 1.154 \pm 0.000 χ^2 /NDF: 4323642596680.

- sign 1.157 \pm 0.000 χ^2 /NDF: 2245696561495.6/43

yield_bpm1i04Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1504570.0/18

Left Out: 0.005+/-0.000 χ^2/NDF :2114007.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 2701426.1/20

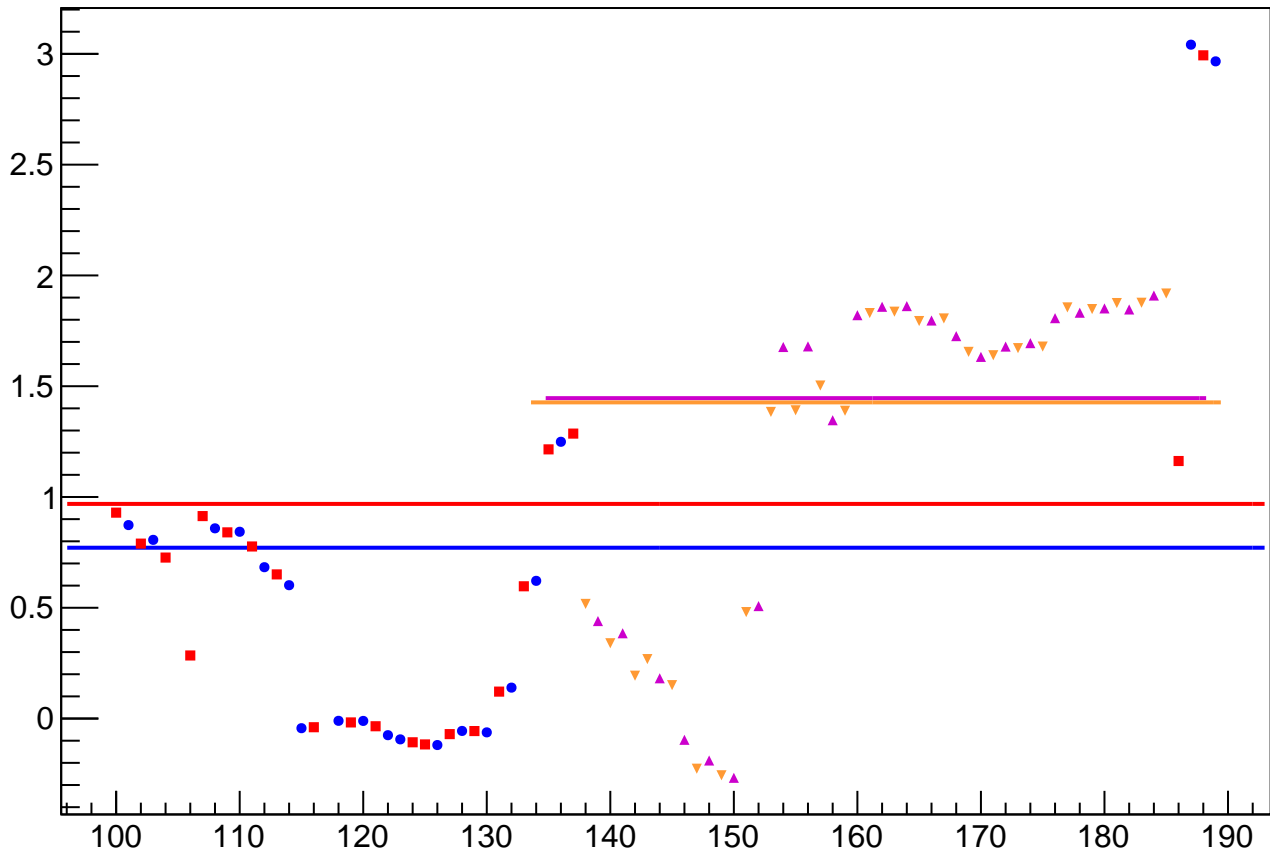
Left In: 0.005+/-0.000 χ^2/NDF :2237666.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3624805.3/43

All: 0.004+/-0.000 χ^2/NDF : 9059464.8/87

- sign 0.004+/-0.000 χ^2/NDF : 5294399.5/43

yield_bpm1i06X_mean vs Slug



Right In: 0.771 \pm 0.000 χ^2 /NDF: 39033761084.7/18

Left Out: 1.427 \pm 0.000 χ^2 /NDF: 49990787038.3/24

Right Out: 0.969 \pm 0.000 χ^2 /NDF: 51642990387.6/20

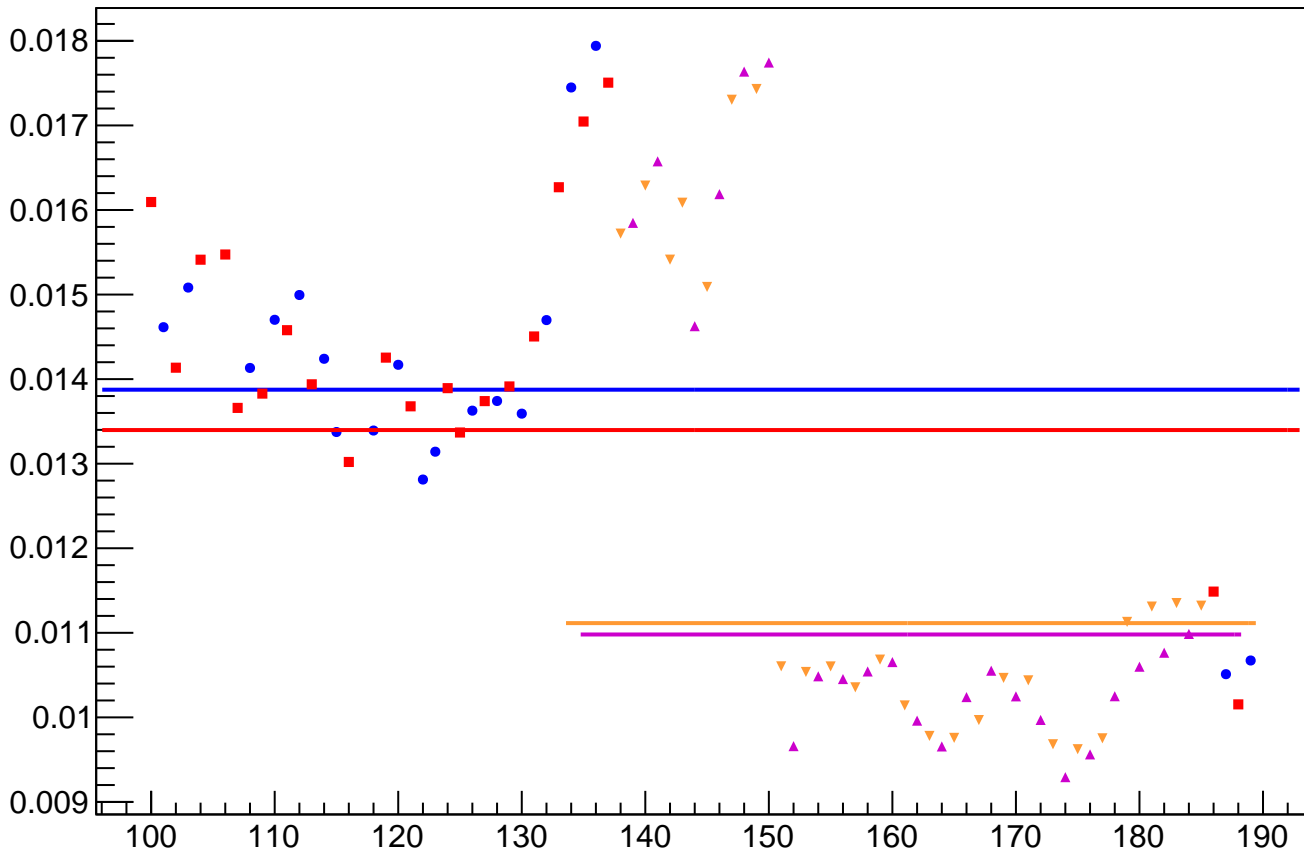
Left In: 1.446 \pm 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.291 \pm 0.000 χ^2 /NDF: 101709281633.7/43

All: 1.310 \pm 0.000 χ^2 /NDF: 214935209653.3

- sign 1.329 \pm 0.000 χ^2 /NDF: 113097747541.1/43

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2 /NDF: 246441.0/18

Left Out: 0.011+/-0.000 χ^2 /NDF:1227493.2/24

Right Out: 0.013+/-0.000 χ^2 /NDF: 342011.2/20

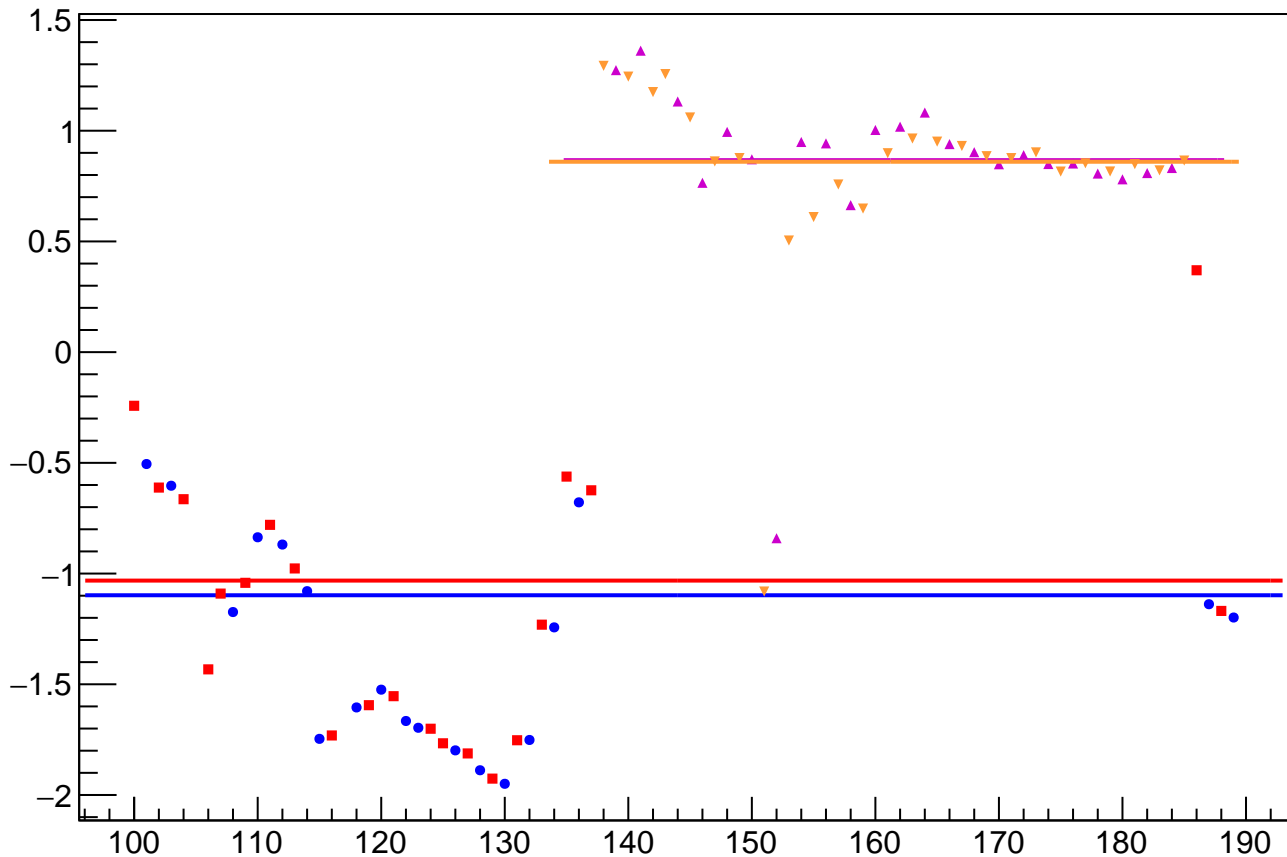
Left In: 0.011+/-0.000 χ^2 /NDF:1264827.0/22

+ sign 0.012+/-0.000 χ^2 /NDF: 1923135.8/43

All: 0.012+/-0.000 χ^2 /NDF: 3927305.7/87

- sign 0.012+/-0.000 χ^2 /NDF: 2001909.1/43

yield_bpm1i06Y_mean vs Slug



Right In: -1.098 ± 0.000 $\chi^2/\text{NDF}: 55673872255.4/18$

+ sign 0.595 ± 0.000 $\chi^2/\text{NDF}: 831870689487.1/43$

Left Out: 0.860 ± 0.000 $\chi^2/\text{NDF}: 126335891175.4/24$

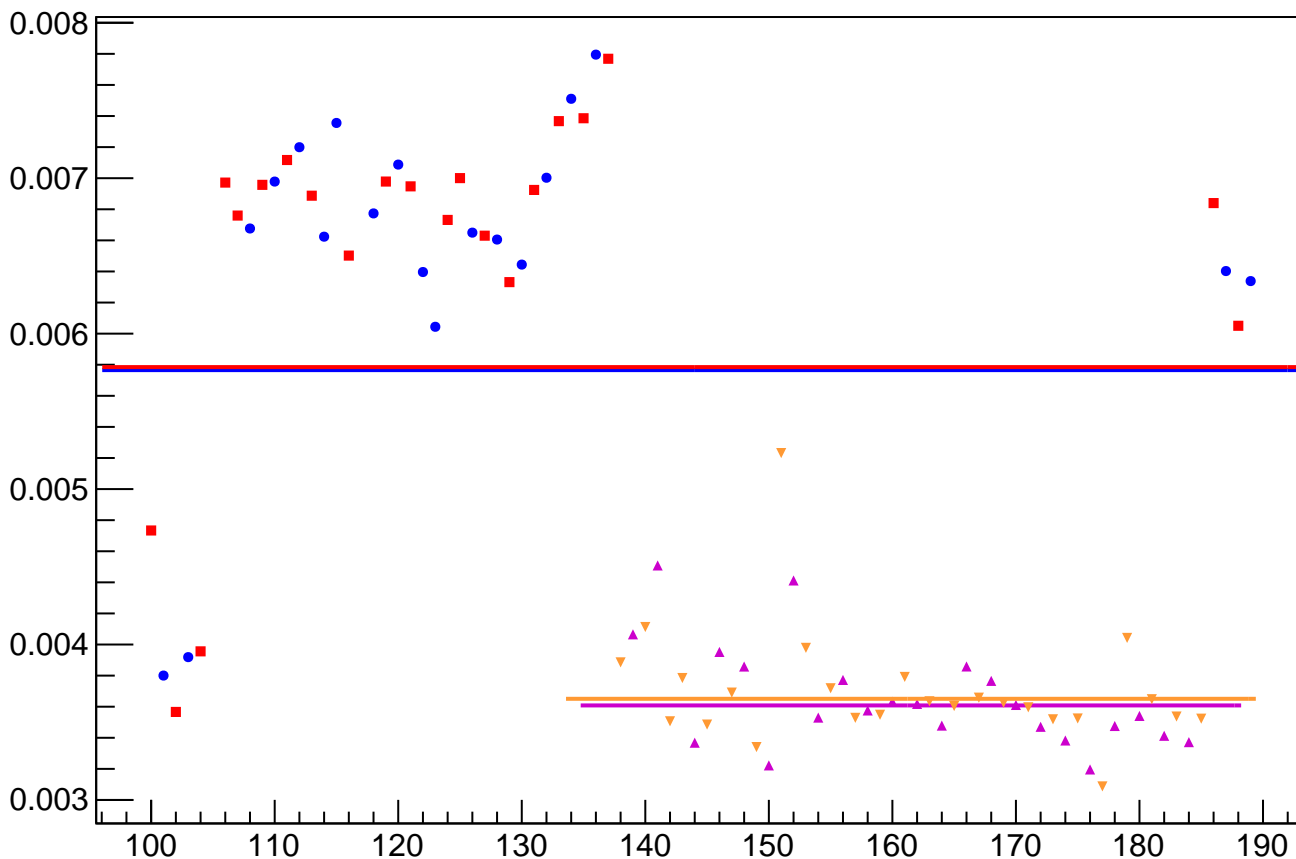
All: 0.585 ± 0.000 $\chi^2/\text{NDF}: 1713127025300.$

Right Out: -1.032 ± 0.000 $\chi^2/\text{NDF}: 62356704356.3/20$

- sign 0.574 ± 0.000 $\chi^2/\text{NDF}: 880943068477.7/43$

Left In: 0.867 ± 0.000 $\chi^2/\text{NDF}: 147039402944.6/22$

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 \pm 0.000 χ^2 /NDF: 849287.1/18

Left Out: 0.004 \pm 0.000 χ^2 /NDF:237262.6/24

Right Out: 0.006 \pm 0.000 χ^2 /NDF: 943842.2/20

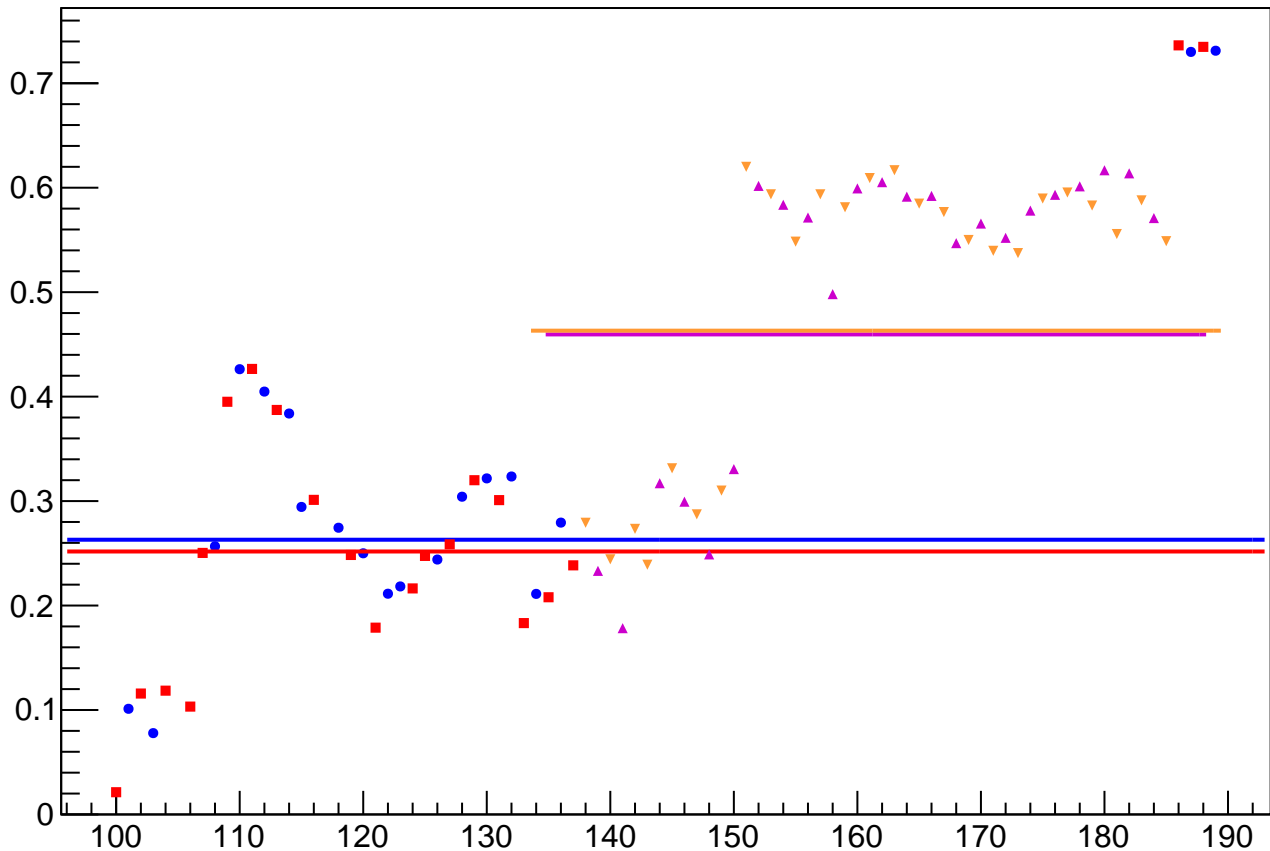
Left In: 0.004 \pm 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 \pm 0.000 χ^2 /NDF: 2602666.7/43

All: 0.004 \pm 0.000 χ^2 /NDF: 5539028.3/87

- sign 0.004 \pm 0.000 χ^2 /NDF: 2936288.0/43

yield_bpm2i01X_mean vs Slug



Right In: 0.263 \pm 0.000 χ^2 /NDF: 29973995757.0/18

Left Out: 0.463 \pm 0.000 χ^2 /NDF: 102506270538.7/24

Right Out: 0.252 \pm 0.000 χ^2 /NDF: 45363085120.6/20

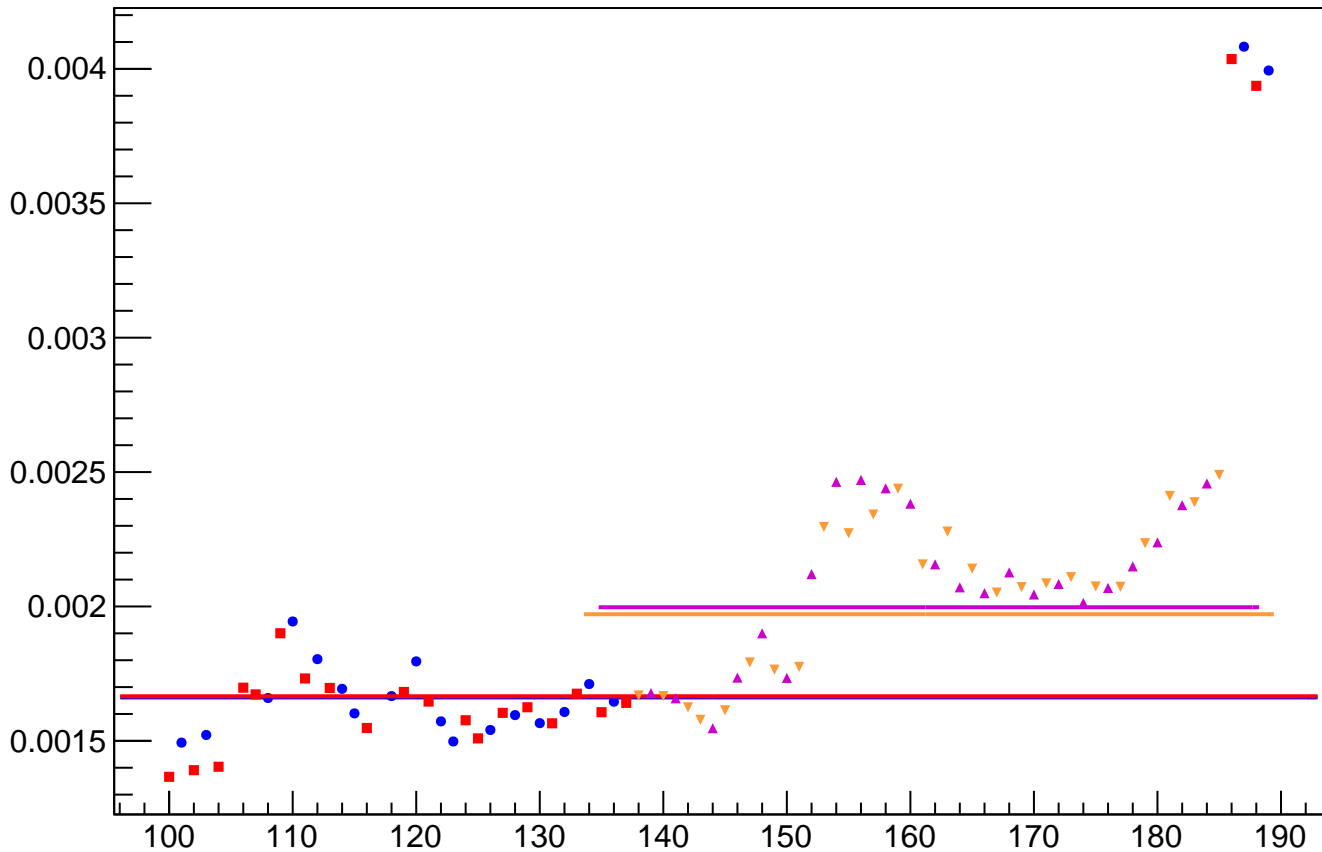
Left In: 0.460 \pm 0.000 χ^2 /NDF: 104559088628.4/22

+ sign 0.393 \pm 0.000 χ^2 /NDF: 196909741281.9/43

All: 0.385 \pm 0.000 χ^2 /NDF: 420314566464.4

- sign 0.377 \pm 0.000 χ^2 /NDF: 222440031135.6/43

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 490886.9/18

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 964908.2/20

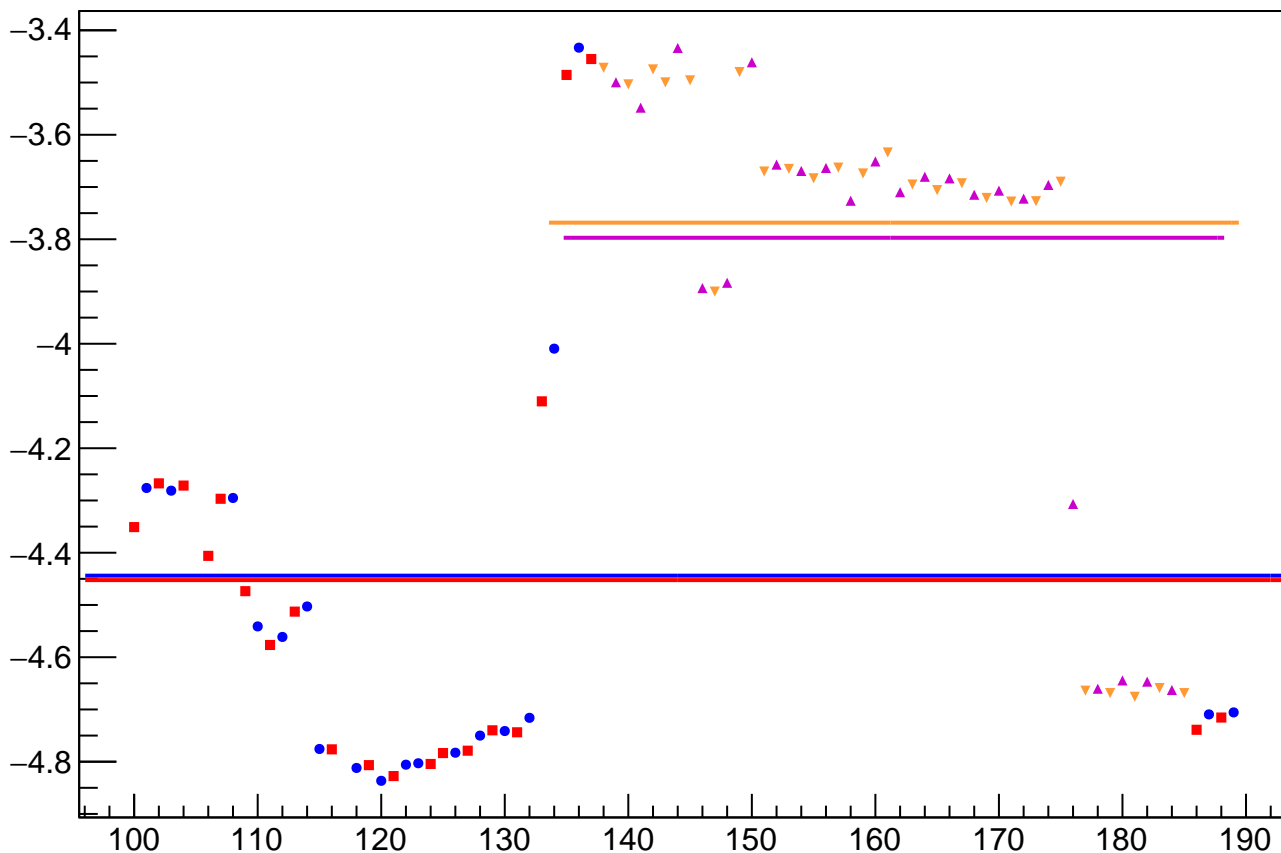
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 1529260.3/43

All: 0.002+/-0.000 χ^2/NDF : 3529008.4/87

- sign 0.002+/-0.000 χ^2/NDF : 1999719.4/43

yield_bpm2i01Y_mean vs Slug



Right In: -4.444 ± 0.000 χ^2/NDF : 396545808037.2/18

Left Out: -3.768 ± 0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.452 ± 0.000 χ^2/NDF : 335020001985.5/20

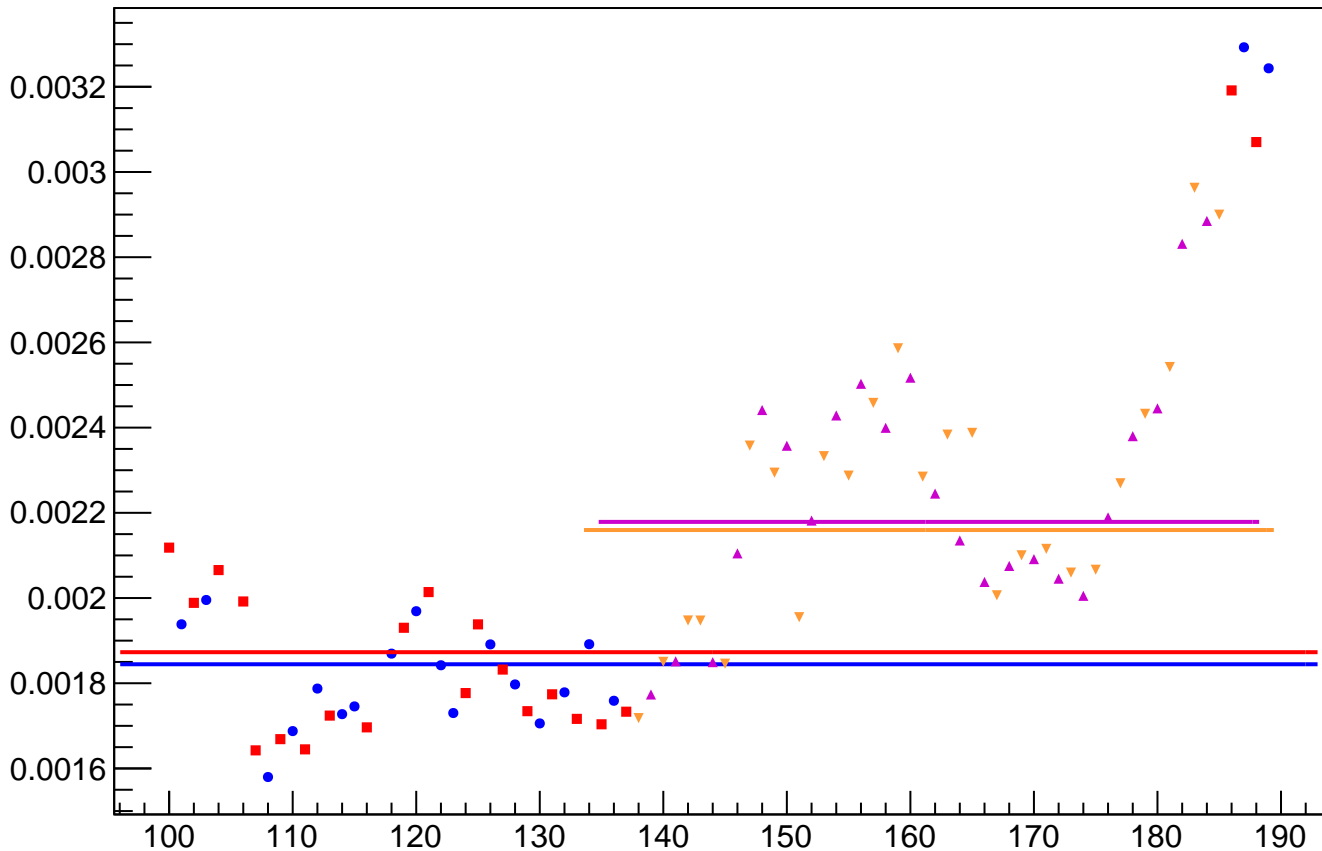
Left In: -3.797 ± 0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.004 ± 0.000 χ^2/NDF : 1522032085003.3/4

All: -4.028 ± 0.000 χ^2/NDF : 2900061935132

- sign -4.051 ± 0.000 χ^2/NDF : 1371585334598.8/4

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 \pm 0.000 χ^2 /NDF: 282613.4/18

Left Out: 0.002 \pm 0.000 χ^2 /NDF:547831.5/24

Right Out: 0.002 \pm 0.000 χ^2 /NDF: 501330.1/20

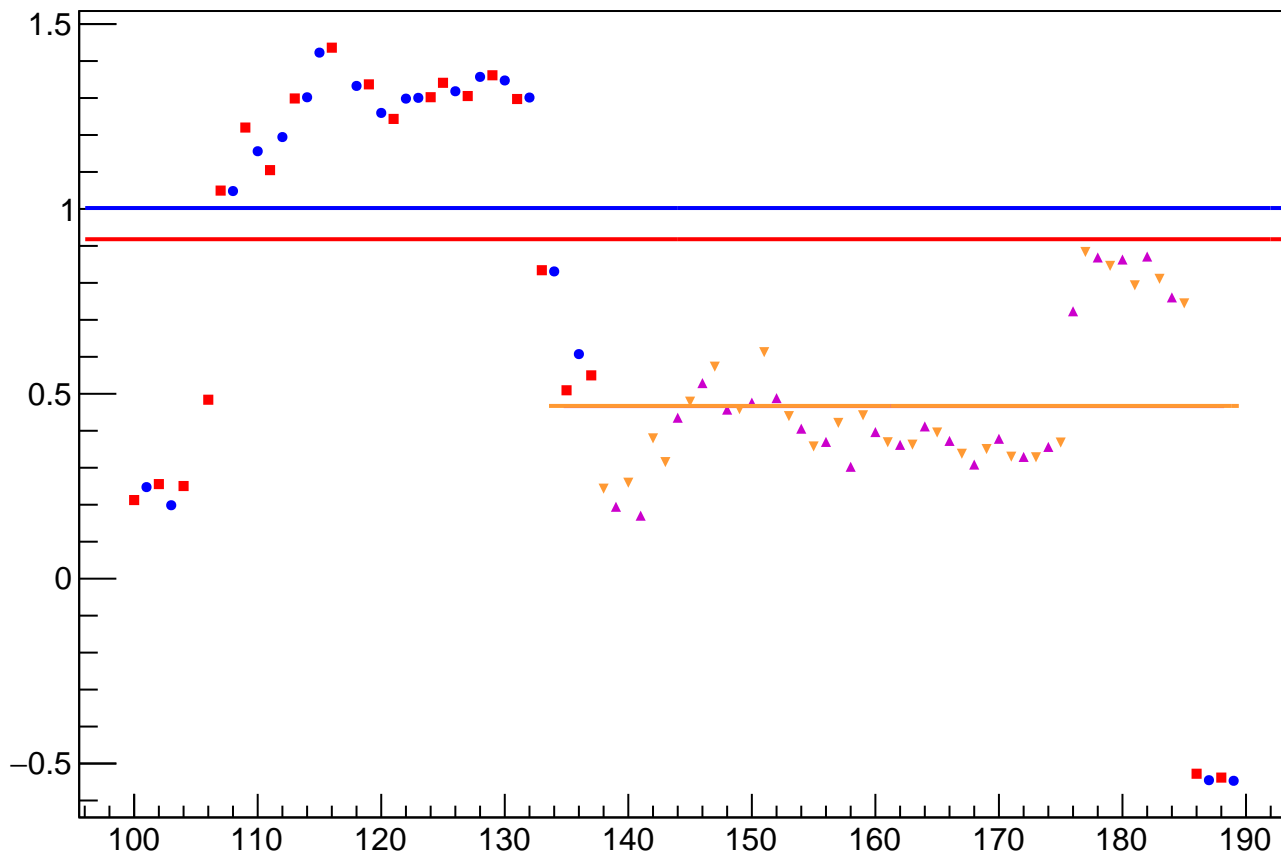
Left In: 0.002 \pm 0.000 χ^2 /NDF:463279.7/22

+ sign 0.002 \pm 0.000 χ^2 /NDF: 1095140.8/43

All: 0.002 \pm 0.000 χ^2 /NDF: 2318132.8/87

- sign 0.002 \pm 0.000 χ^2 /NDF: 1222342.8/43

yield_bpm2i02X_mean vs Slug



Right In: 1.002 \pm 0.000 χ^2 /NDF: 32592881325.6/18

Left Out: 0.467 \pm 0.000 χ^2 /NDF: 7359344143.3/24

Right Out: 0.918 \pm 0.000 χ^2 /NDF: 47518481331.8/20

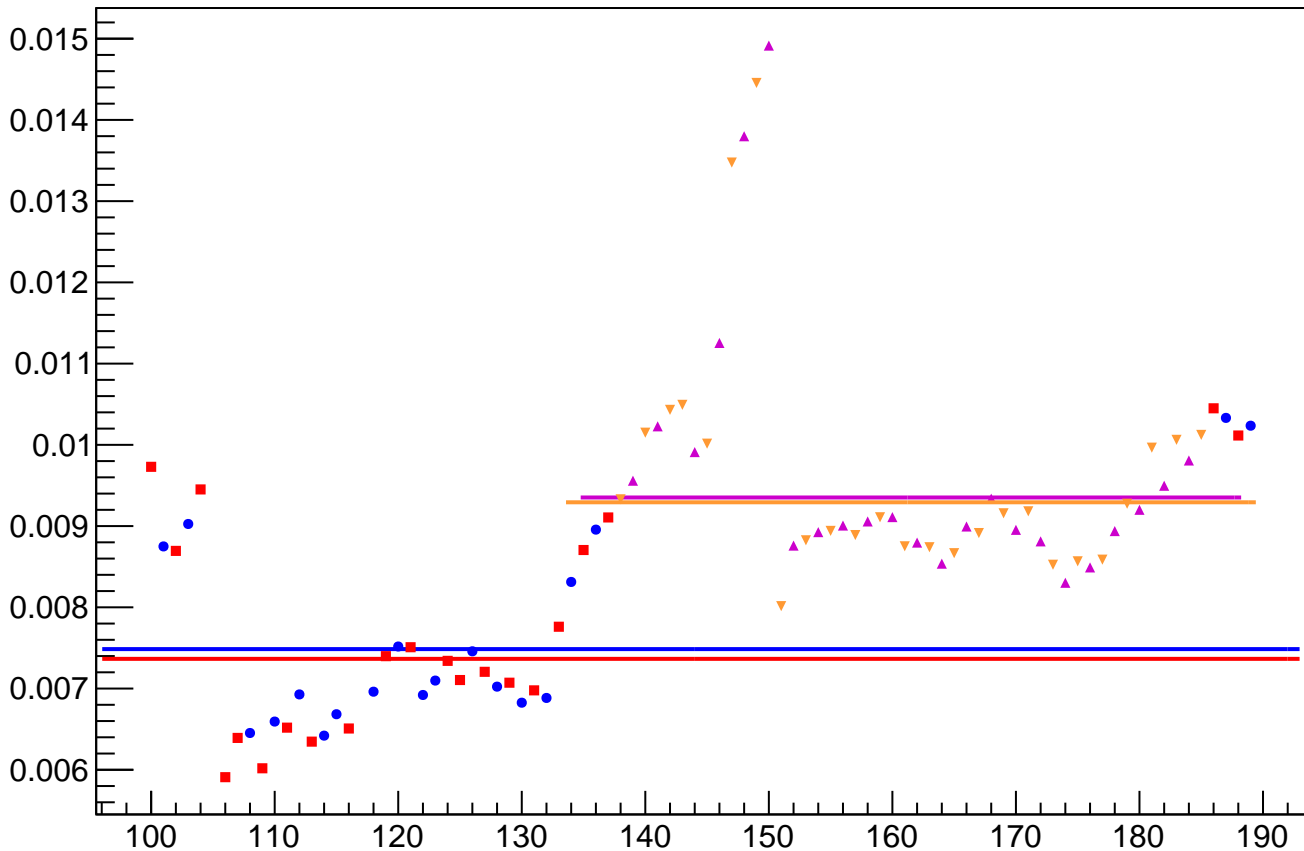
Left In: 0.467 \pm 0.000 χ^2 /NDF: 8036741308.0/22

+ sign 0.670 \pm 0.000 χ^2 /NDF: 62679757957.2/43

All: 0.667 \pm 0.000 χ^2 /NDF: 135449936610.8

- sign 0.663 \pm 0.000 χ^2 /NDF: 72761029479.6/43

yield_bpm2i02X_rms vs Slug



Right In: 0.007 \pm 0.000 χ^2 /NDF: 277592.9/18

Left Out: 0.009 \pm 0.000 χ^2 /NDF:528279.5/24

Right Out: 0.007 \pm 0.000 χ^2 /NDF: 473501.1/20

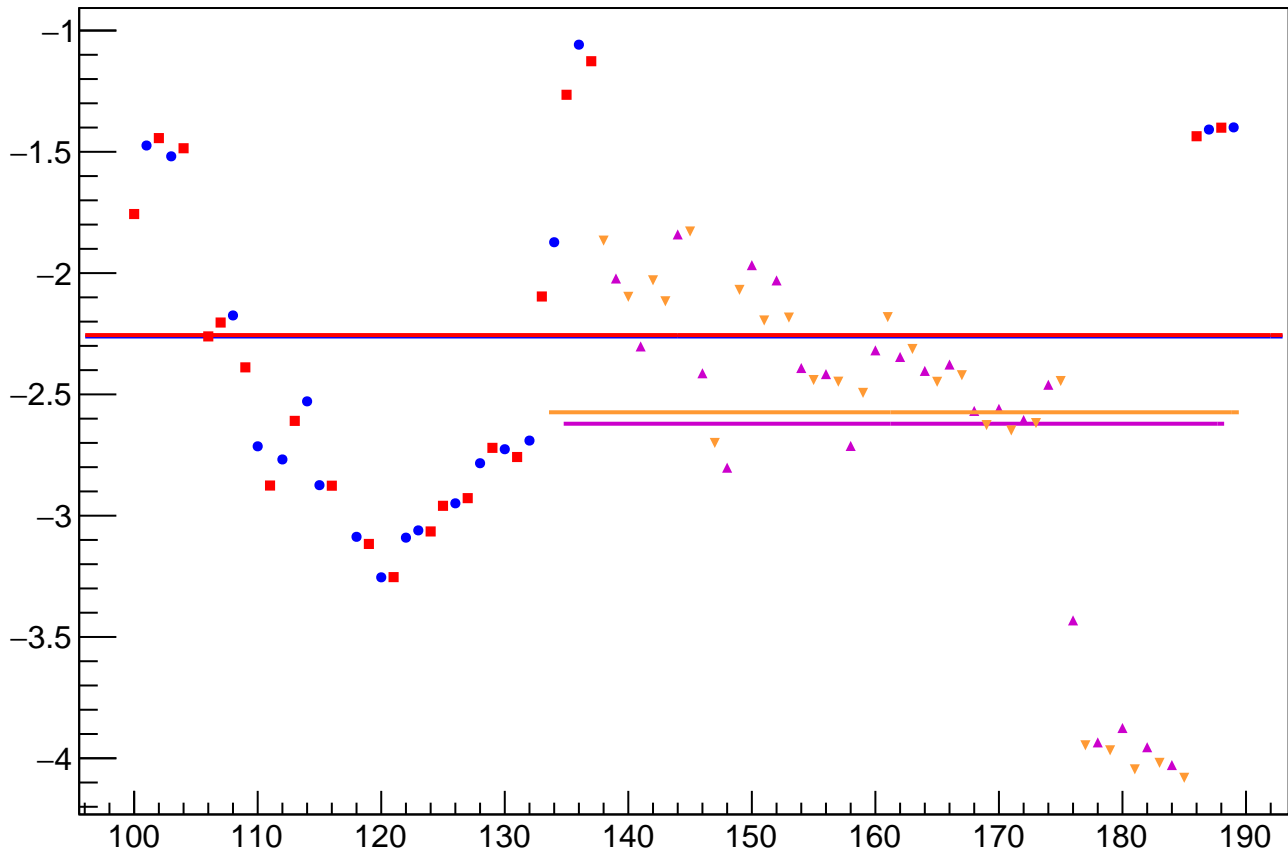
Left In: 0.009 \pm 0.000 χ^2 /NDF:557555.2/22

+ sign 0.009 \pm 0.000 χ^2 /NDF: 1324058.3/43

All: 0.009 \pm 0.000 χ^2 /NDF: 3026648.9/87

- sign 0.008 \pm 0.000 χ^2 /NDF: 1697799.1/43

yield_bpm2i02Y_mean vs Slug



Right In: -2.261 ± 0.000 $\chi^2/\text{NDF}: 78650120549.9/18$

Left Out: -2.574 ± 0.000 $\chi^2/\text{NDF}: 99176112704.9/24$

Right Out: -2.255 ± 0.000 $\chi^2/\text{NDF}: 75420351029.4/20$

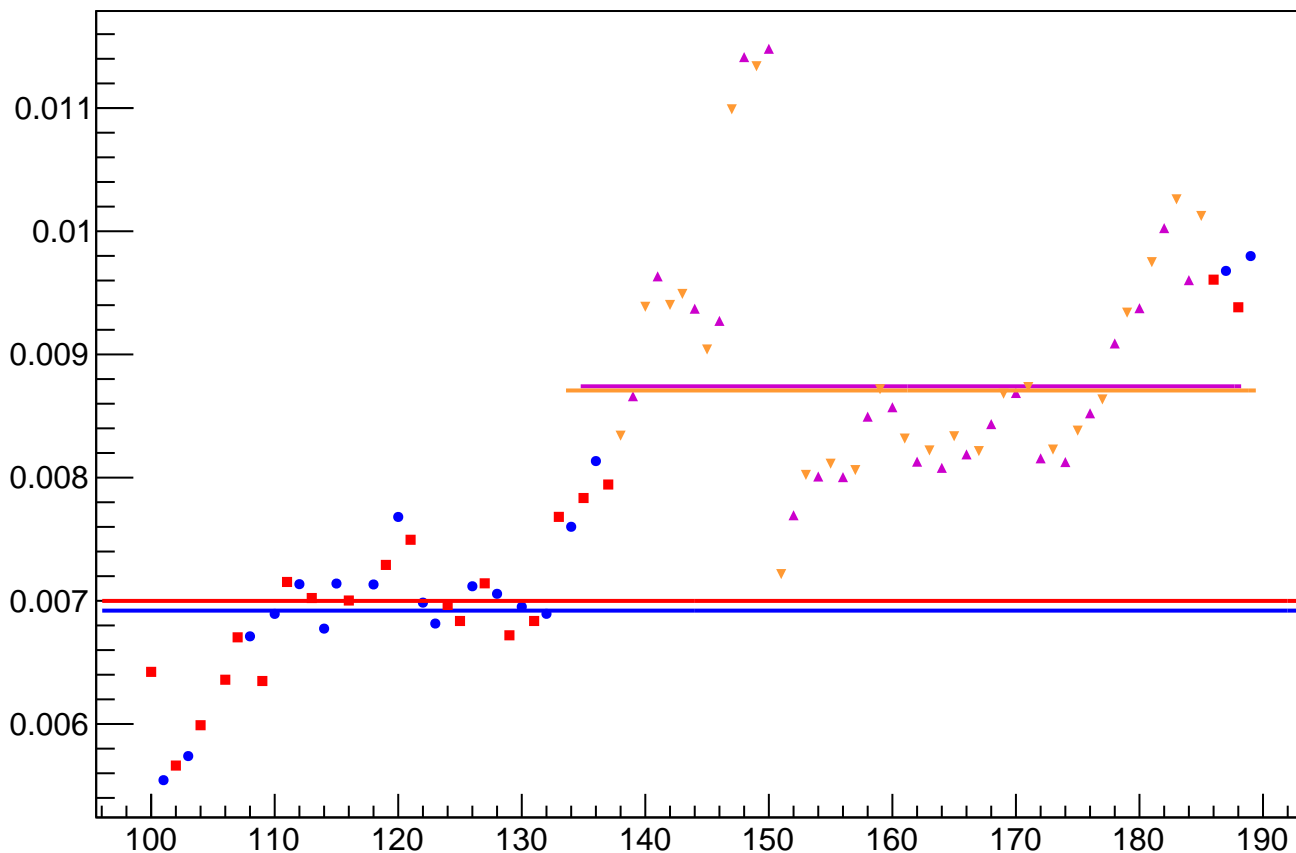
Left In: -2.621 ± 0.000 $\chi^2/\text{NDF}: 80862402796.4/22$

+ sign -2.453 ± 0.000 $\chi^2/\text{NDF}: 186829570818.4/43$

All: -2.459 ± 0.000 $\chi^2/\text{NDF}: 355944692972.1$

- sign -2.465 ± 0.000 $\chi^2/\text{NDF}: 169090758488.9/43$

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 276663.8/18

Left Out: 0.009+/-0.000 χ^2/NDF : 369376.5/24

Right Out: 0.007+/-0.000 χ^2/NDF : 309622.6/20

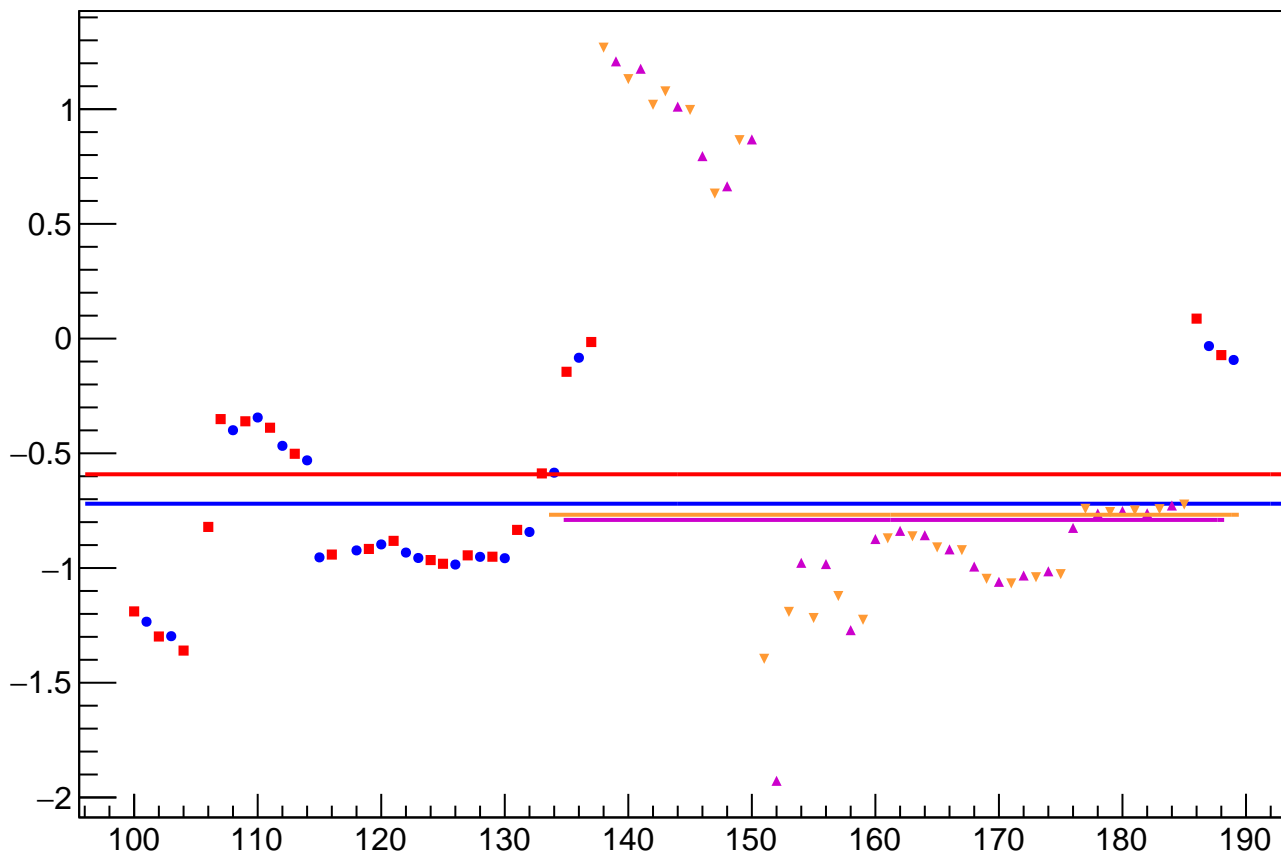
Left In: 0.009+/-0.000 χ^2/NDF : 353750.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 1235155.3/43

All: 0.008+/-0.000 χ^2/NDF : 2480805.0/87

- sign 0.008+/-0.000 χ^2/NDF : 1245438.8/43

yield_bpm0i01X_mean vs Slug



Right In: -0.720 ± 0.000 χ^2/NDF : 11399025246.9/18

Left Out: -0.768 ± 0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.591 ± 0.000 χ^2/NDF : 17233122353.2/20

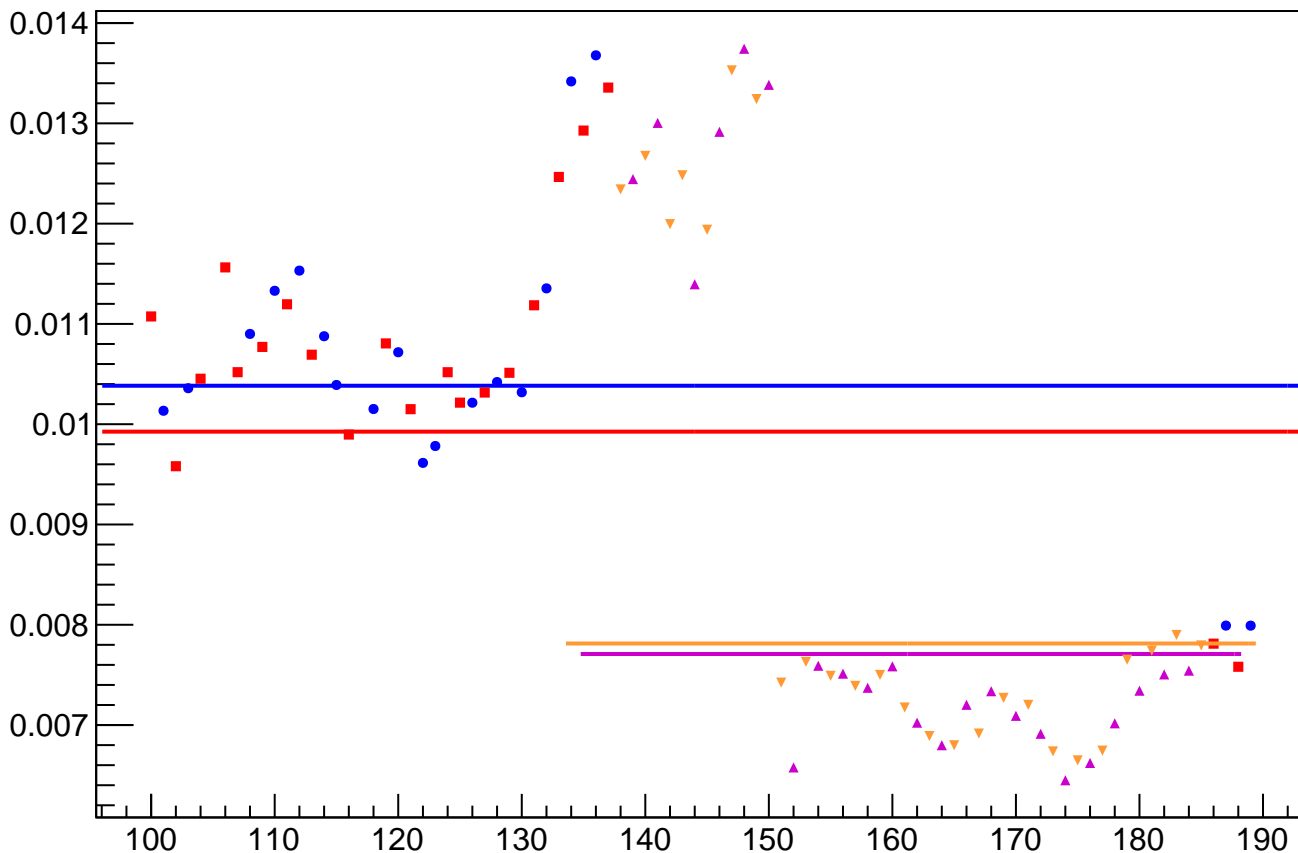
Left In: -0.790 ± 0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.759 ± 0.000 χ^2/NDF : 132297360034.9/43

All: -0.752 ± 0.000 χ^2/NDF : 275486409464.8

- sign -0.745 ± 0.000 χ^2/NDF : 143154959912.2/43

yield_bpm0i01X_rms vs Slug



Right In: 0.010 \pm 0.000 χ^2 /NDF: 255838.7/18

Left Out: 0.008 \pm 0.000 χ^2 /NDF:1705997.6/24

Right Out: 0.010 \pm 0.000 χ^2 /NDF: 393772.1/20

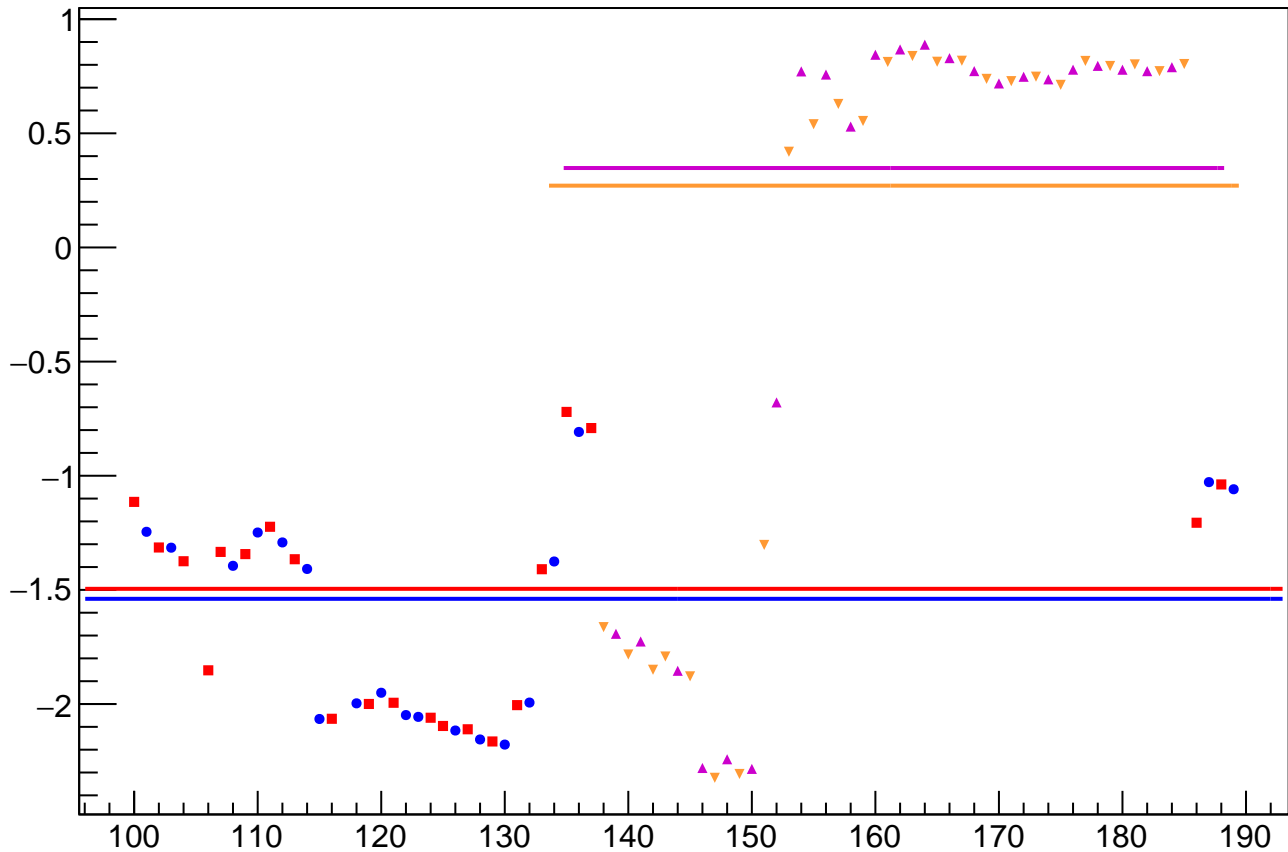
Left In: 0.008 \pm 0.000 χ^2 /NDF:1746653.6/22

+ sign 0.008 \pm 0.000 χ^2 /NDF: 2667608.9/43

All: 0.008 \pm 0.000 χ^2 /NDF: 5424052.2/87

- sign 0.008 \pm 0.000 χ^2 /NDF: 2754004.3/43

yield_bpm0i01Y_mean vs Slug



Right In: -1.539 ± 0.000 $\chi^2/\text{NDF}: 160005211512.8/18$

Left Out: 0.271 ± 0.000 $\chi^2/\text{NDF}: 2583233987355.9/24$

Right Out: -1.495 ± 0.000 $\chi^2/\text{NDF}: 148414043694.3/20$

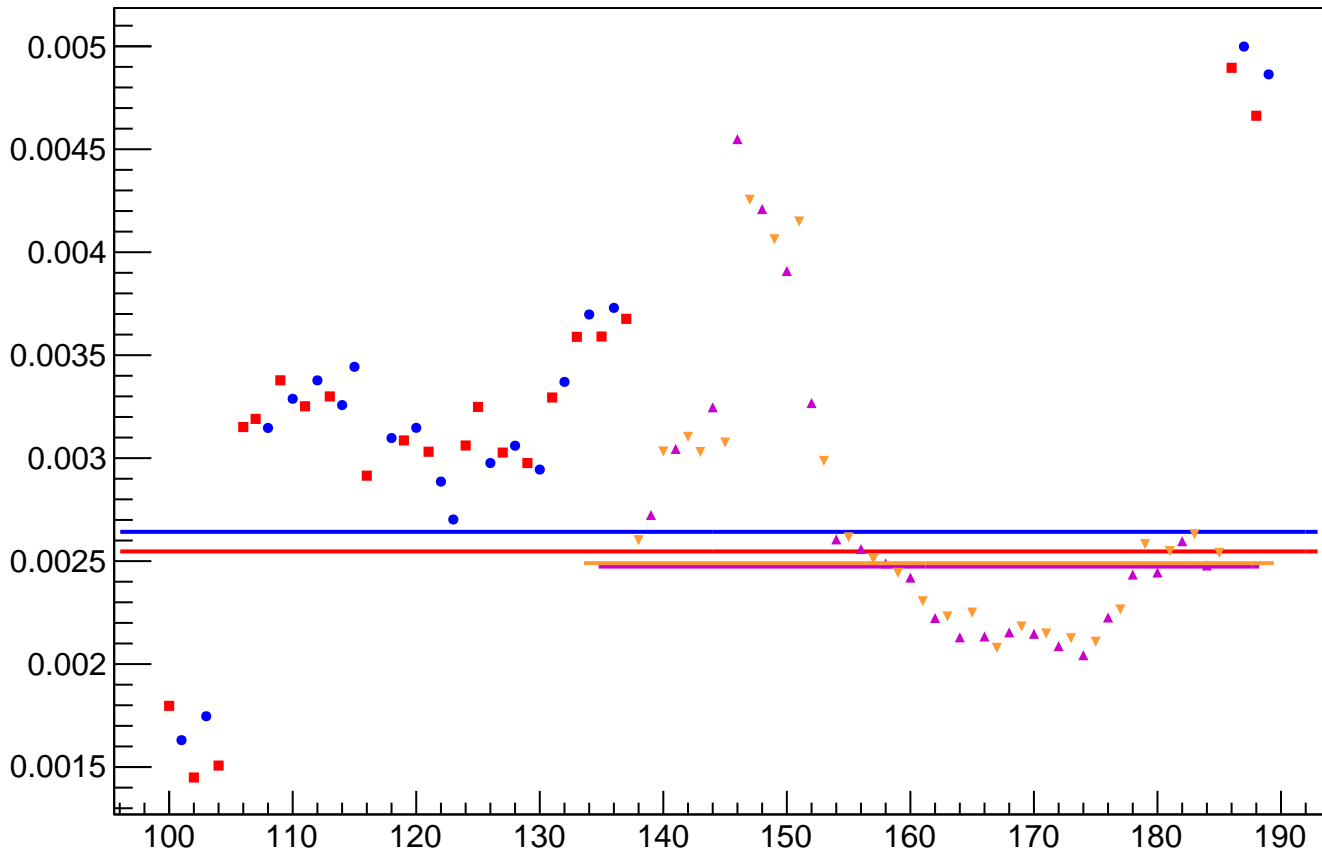
Left In: 0.348 ± 0.000 $\chi^2/\text{NDF}: 2274004426513.8/22$

+ sign -0.182 ± 0.000 $\chi^2/\text{NDF}: 4892983464626.8/4$

All: -0.186 ± 0.000 $\chi^2/\text{NDF}: 9773022869756$

- sign -0.189 ± 0.000 $\chi^2/\text{NDF}: 4879958046519.0/4$

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 \pm 0.000 χ^2 /NDF: 1280929.1/18

Left Out: 0.002 \pm 0.000 χ^2 /NDF:1070282.7/24

Right Out: 0.003 \pm 0.000 χ^2 /NDF: 2048018.3/20

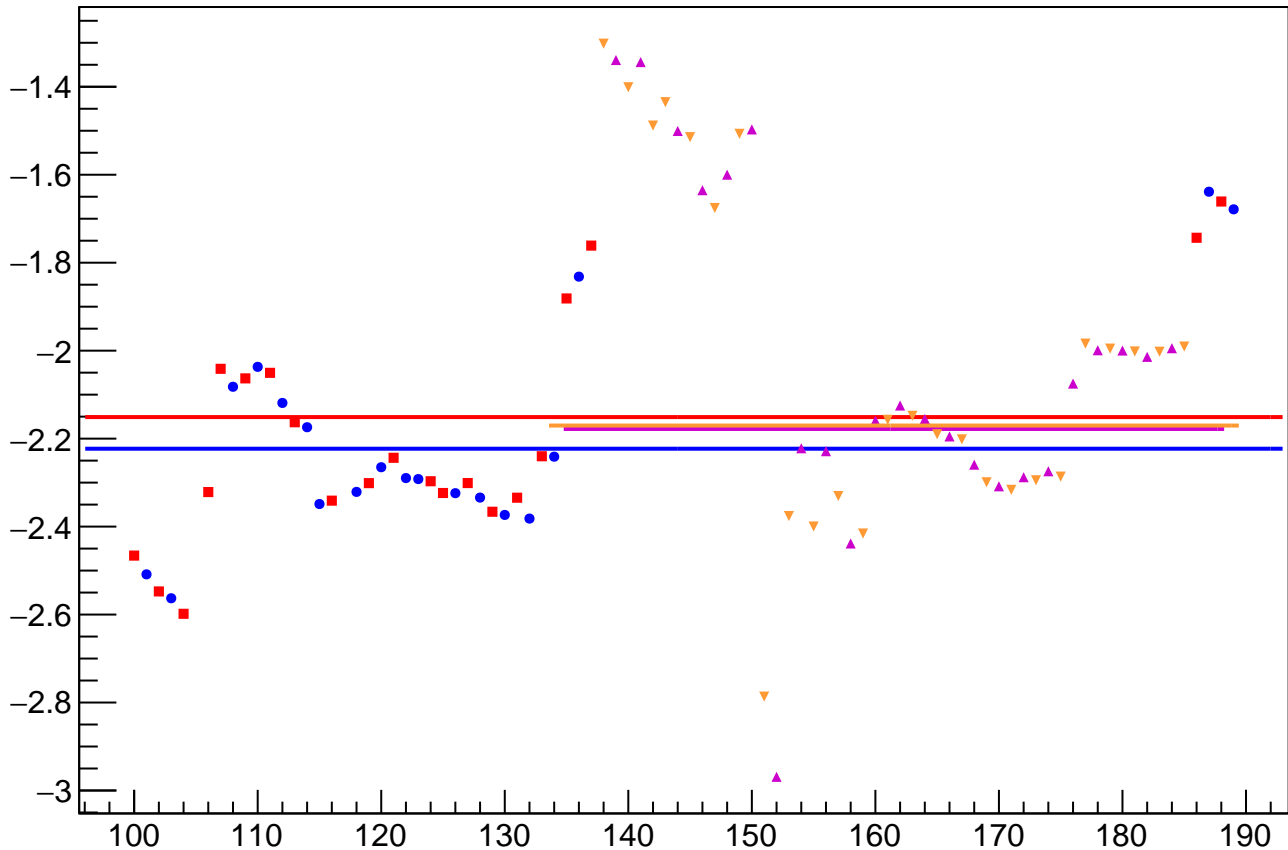
Left In: 0.002 \pm 0.000 χ^2 /NDF:1135279.8/22

+ sign 0.003 \pm 0.000 χ^2 /NDF: 2381594.8/43

All: 0.003 \pm 0.000 χ^2 /NDF: 5576592.2/87

- sign 0.002 \pm 0.000 χ^2 /NDF: 3191122.7/43

yield_bpm0i01aX_mean vs Slug



Right In: -2.223 ± 0.000 $\chi^2/\text{NDF}: 12743271507.0/18$

+ sign -2.180 ± 0.000 $\chi^2/\text{NDF}: 73097494774.6/43$

Left Out: -2.170 ± 0.000 $\chi^2/\text{NDF}: 59967315241.9/24$

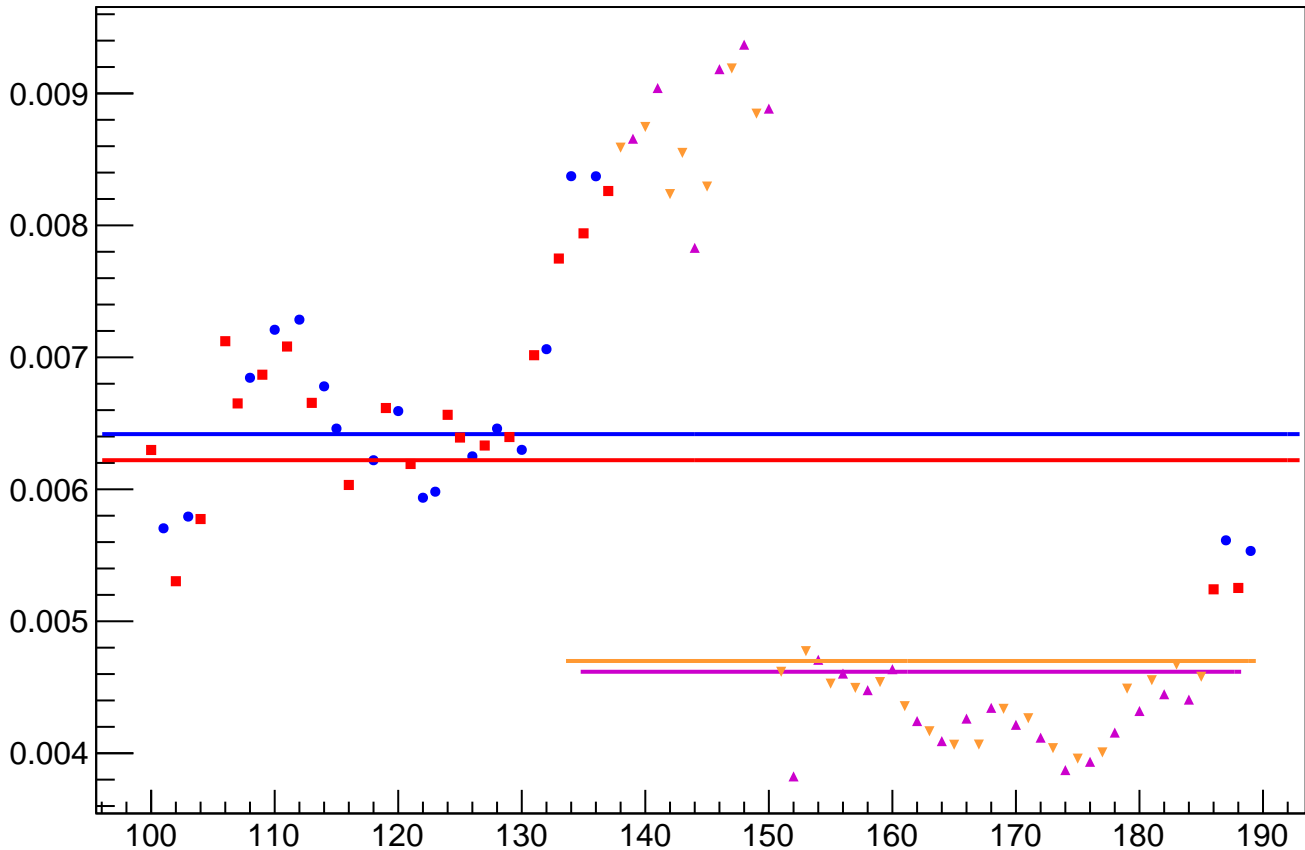
All: -2.176 ± 0.000 $\chi^2/\text{NDF}: 165940031810.5$

Right Out: -2.151 ± 0.000 $\chi^2/\text{NDF}: 19294383984.3/20$

- sign -2.172 ± 0.000 $\chi^2/\text{NDF}: 92813812551.0/43$

Left In: -2.178 ± 0.000 $\chi^2/\text{NDF}: 73402051113.3/22$

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 209664.2/18

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 273399.0/20

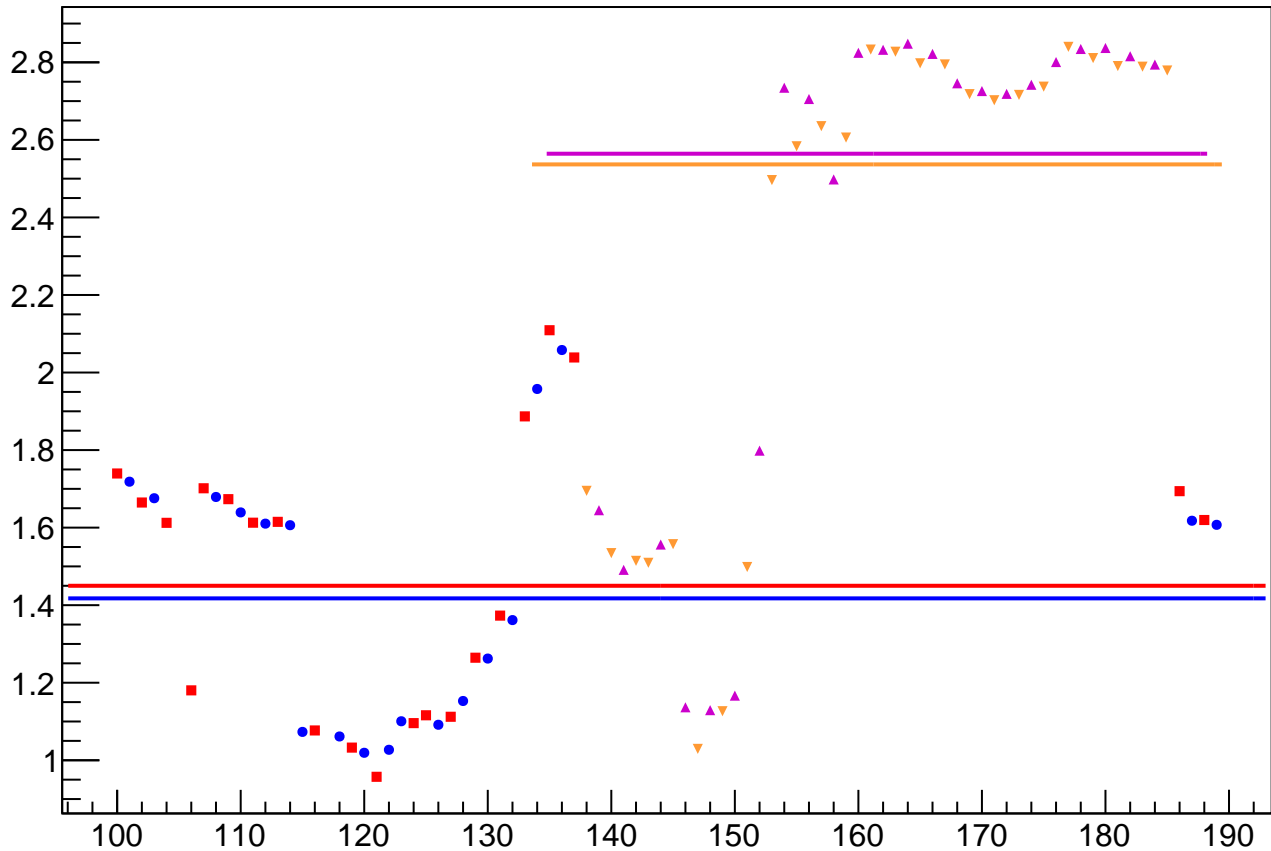
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3353169.9/43

All: 0.005+/-0.000 χ^2/NDF : 6821609.6/87

- sign 0.005+/-0.000 χ^2/NDF : 3466341.0/43

yield_bpm0i01aY_mean vs Slug



Right In: 1.418 \pm 0.000 χ^2 /NDF: 172555509903.7/18

Left Out: 2.537 \pm 0.000 χ^2 /NDF:269554948115.3/24

Right Out: 1.450 \pm 0.000 χ^2 /NDF: 174800248912.2/20

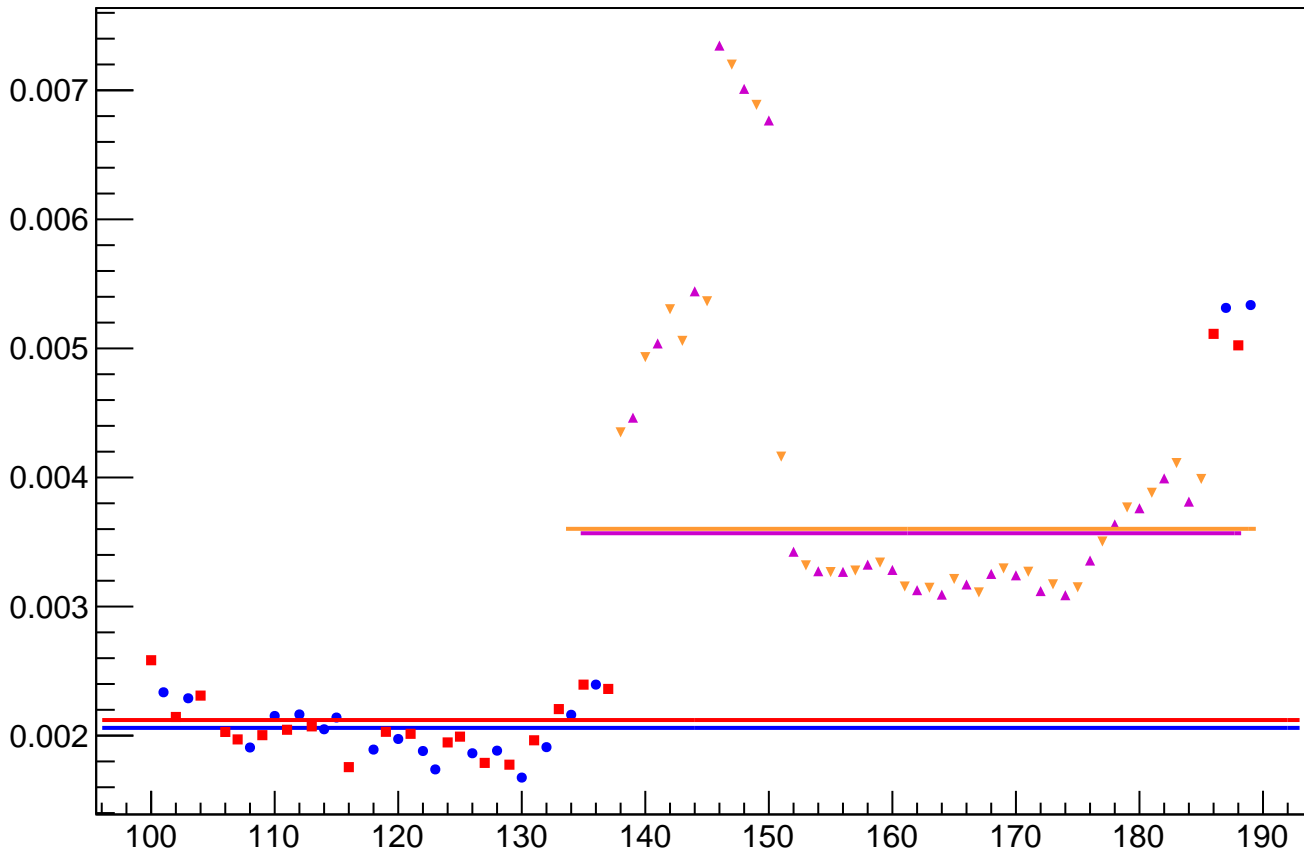
Left In: 2.564 \pm 0.000 χ^2 /NDF:260287937727.8/22

+ sign 1.927 \pm 0.000 χ^2 /NDF: 1320549638288.9/43

All: 1.929 \pm 0.000 χ^2 /NDF: 2622573493448.

- sign 1.930 \pm 0.000 χ^2 /NDF: 1302016398931.6/43

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 624860.8/18

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 982021.6/20

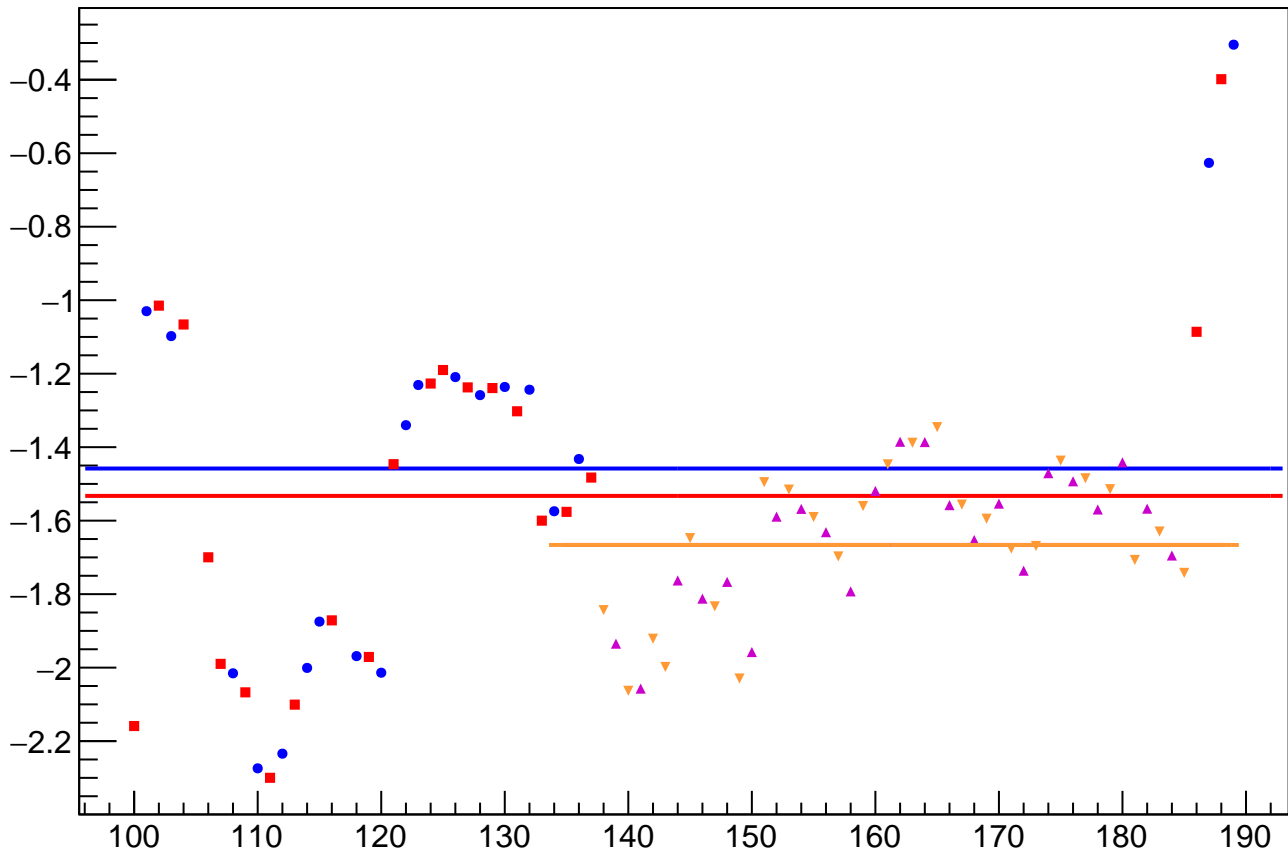
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 5371808.3/43

All: 0.003+/-0.000 χ^2/NDF : 10842545.5/87

- sign 0.003+/-0.000 χ^2/NDF : 5469731.7/43

yield_bpm0l01X_mean vs Slug



Right In: -1.458+/-0.000 χ^2 /NDF: 28509110265.8/18

Left Out: -1.666+/-0.000 χ^2 /NDF: 18325162131.2/24

Right Out: -1.533+/-0.000 χ^2 /NDF: 41877100994.5/20

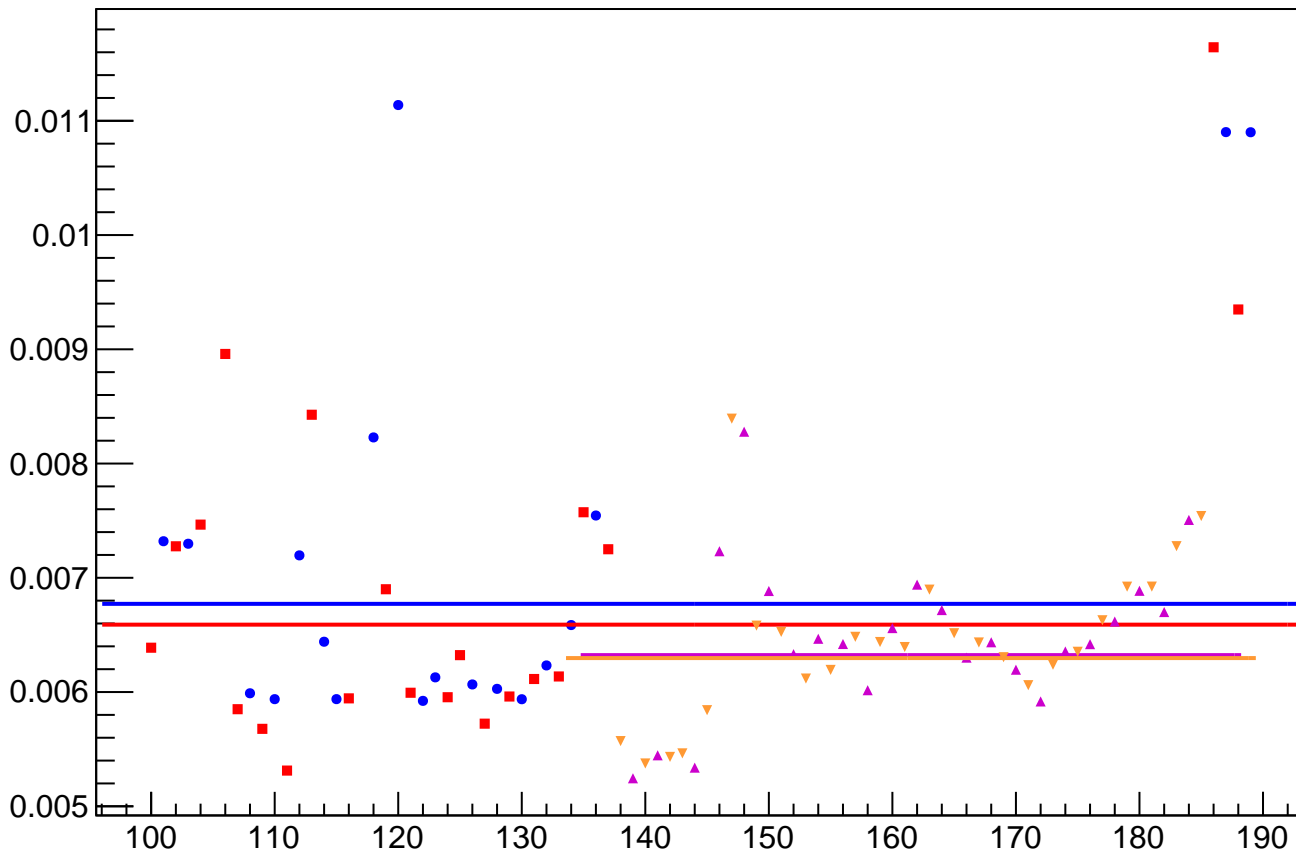
Left In: -1.666+/-0.000 χ^2 /NDF: 14292570816.9/22

+ sign -1.615+/-0.000 χ^2 /NDF: 51510377021.1/43

All: -1.621+/-0.000 χ^2 /NDF: 109906392569.4

- sign -1.626+/-0.000 χ^2 /NDF: 58360876799.7/43

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 404966.1/18

Left Out: 0.006+/-0.000 χ^2/NDF : 310757.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 526873.8/20

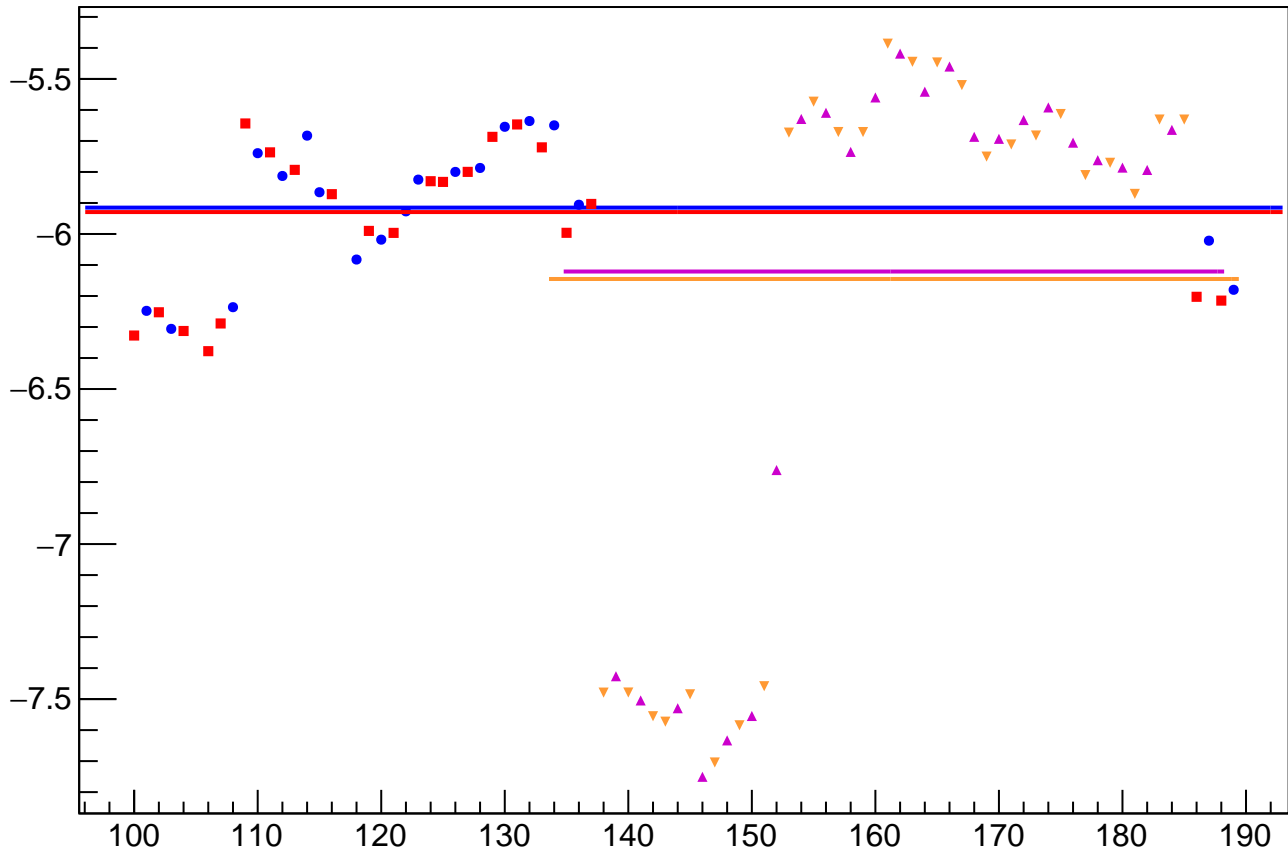
Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

+ sign 0.006+/-0.000 χ^2/NDF : 764411.7/43

All: 0.006+/-0.000 χ^2/NDF : 1639697.3/87

- sign 0.006+/-0.000 χ^2/NDF : 875221.4/43

yield_bpm0l01Y_mean vs Slug



Right In: -5.915 ± 0.000 $\chi^2/\text{NDF}: 11346729699.8/18$

Left Out: -6.145 ± 0.000 $\chi^2/\text{NDF}: 185364150237.7/24$

Right Out: -5.929 ± 0.000 $\chi^2/\text{NDF}: 13457752850.3/20$

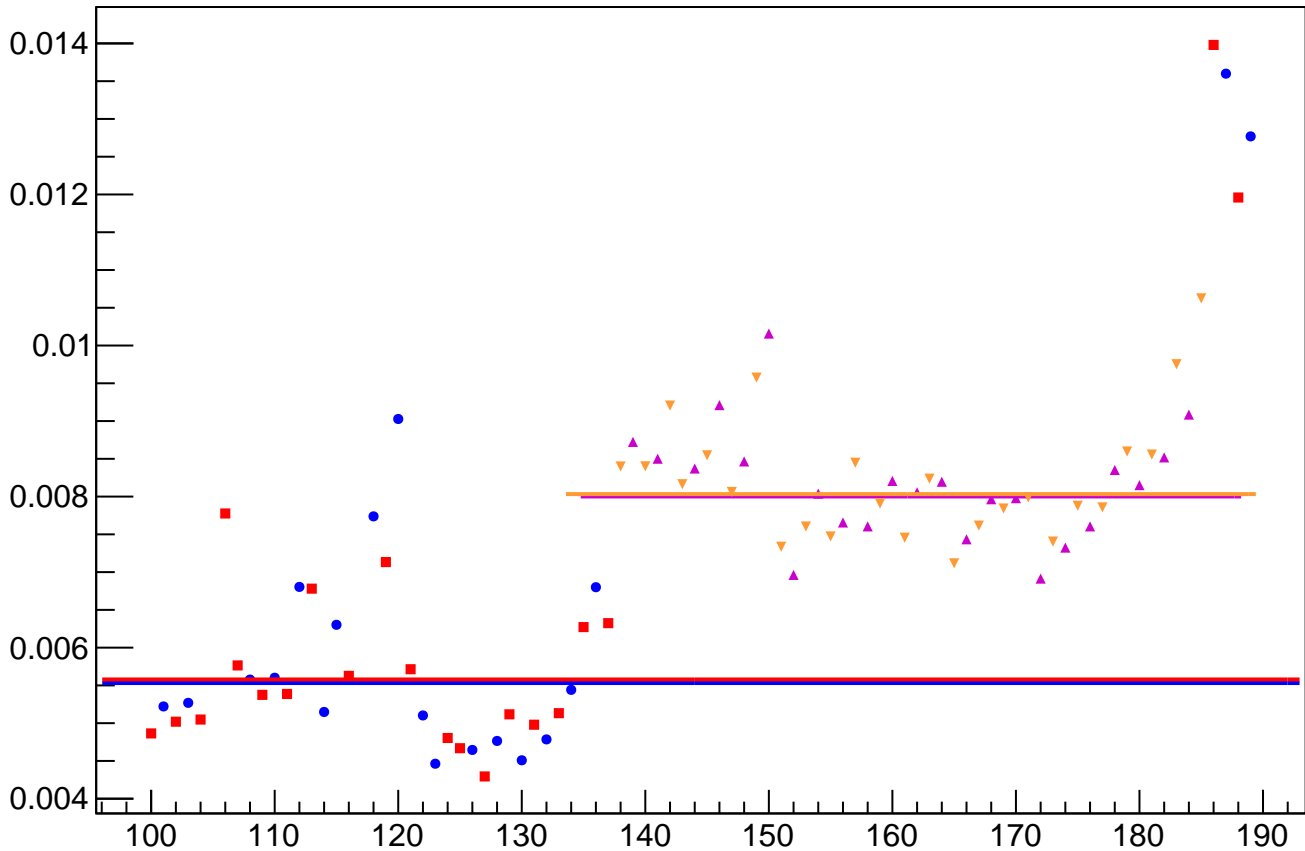
Left In: -6.121 ± 0.000 $\chi^2/\text{NDF}: 158315913062.3/22$

+ sign -6.043 ± 0.000 $\chi^2/\text{NDF}: 202761647182.8/43$

All: -6.036 ± 0.000 $\chi^2/\text{NDF}: 378964705981.1$

- sign -6.028 ± 0.000 $\chi^2/\text{NDF}: 176153869764.7/43$

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 771148.7/18

Left Out: 0.008+/-0.000 χ^2/NDF :205762.2/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1014927.6/20

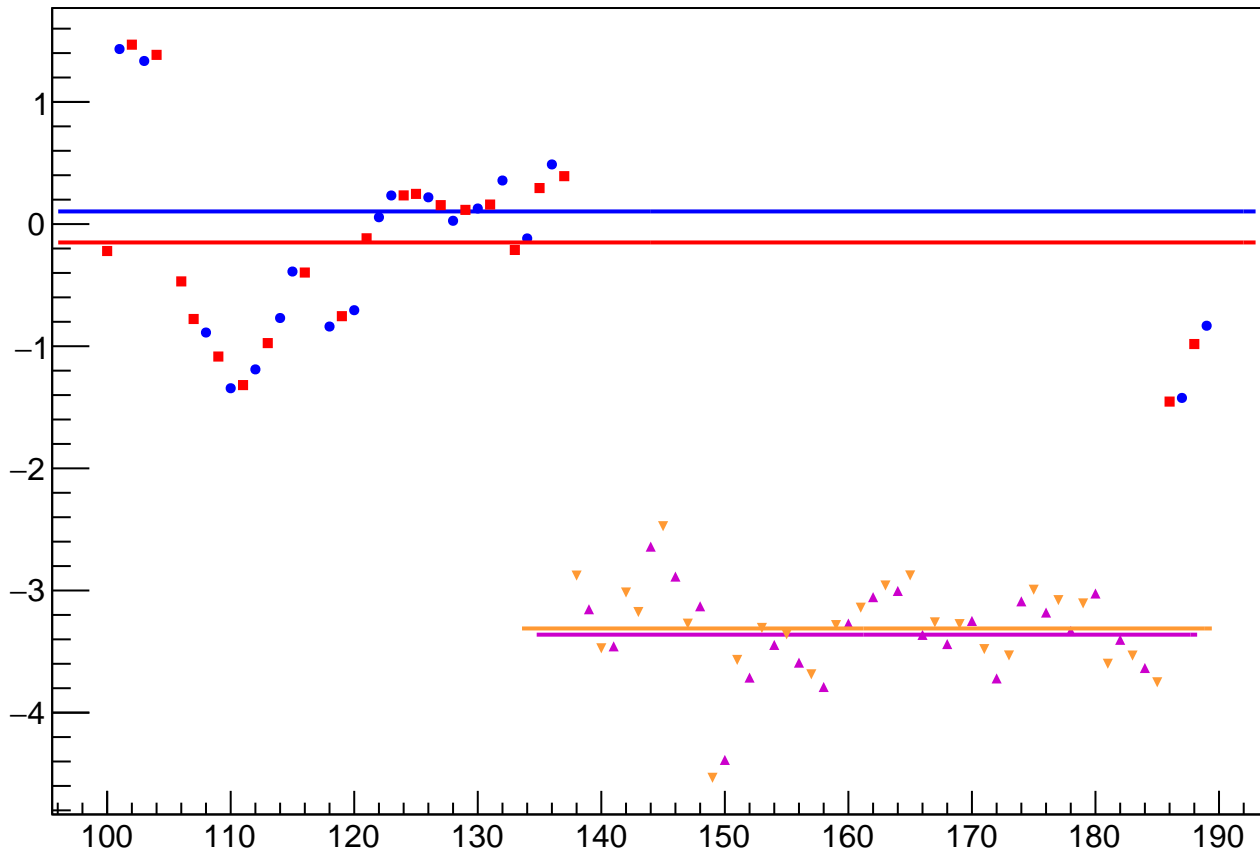
Left In: 0.008+/-0.000 χ^2/NDF :220756.1/22

+ sign 0.007+/-0.000 χ^2/NDF : 2406034.2/43

All: 0.007+/-0.000 χ^2/NDF : 5044374.2/87

- sign 0.007+/-0.000 χ^2/NDF : 2634489.9/43

yield_bpm0l02X_mean vs Slug



Right In: 0.104 \pm 0.000 χ^2 /NDF: 18833199567.7/18

Left Out: -3.311 \pm 0.000 χ^2 /NDF: 9354397456.2/24

Right Out: -0.150 \pm 0.000 χ^2 /NDF: 25279011175.5/20

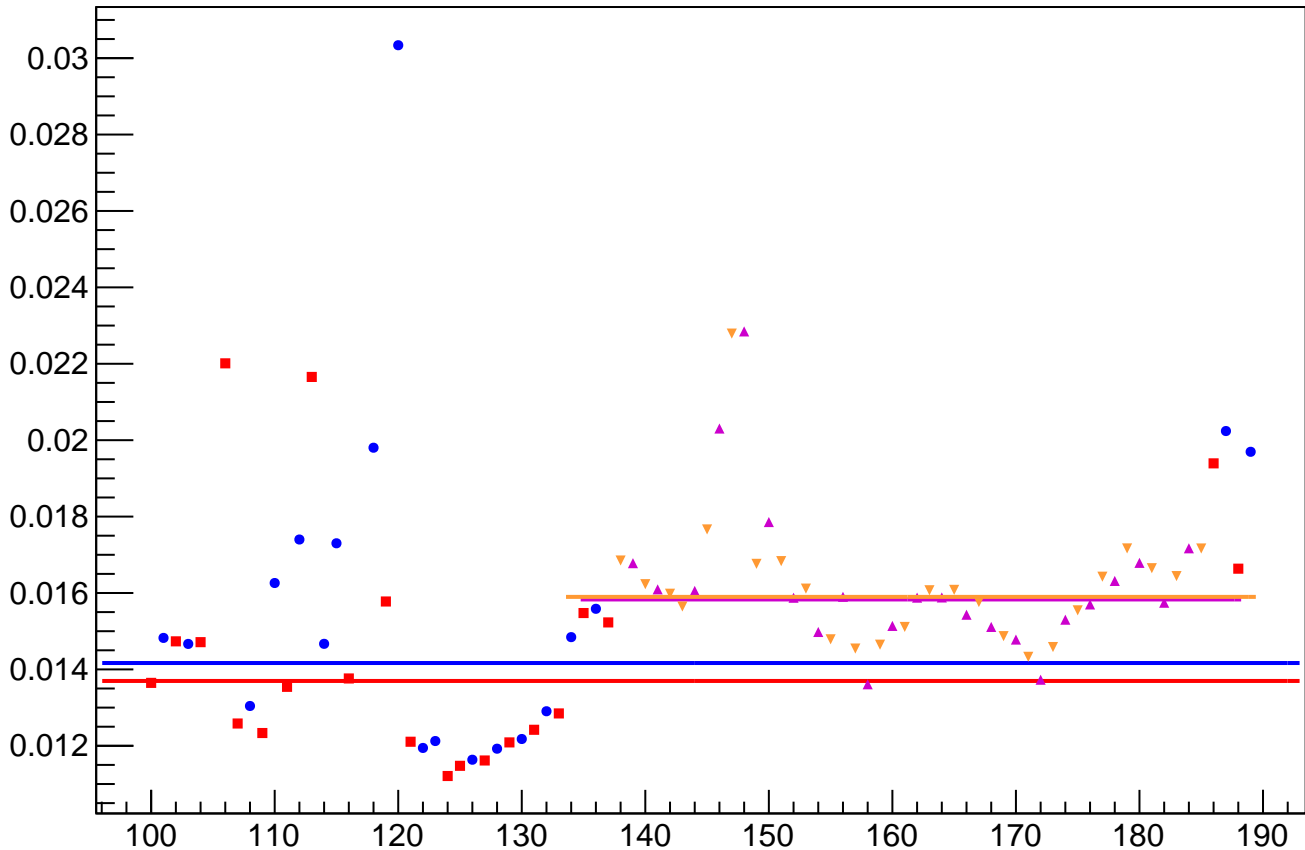
Left In: -3.362 \pm 0.000 χ^2 /NDF: 8171803777.4/22

+ sign -2.238 \pm 0.000 χ^2 /NDF: 284480850604.3/43

All: -2.191 \pm 0.000 χ^2 /NDF: 577006429002.0

- sign -2.146 \pm 0.000 χ^2 /NDF: 292089282310.1/43

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 501409.0/18

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.014+/-0.000 χ^2/NDF : 417592.1/20

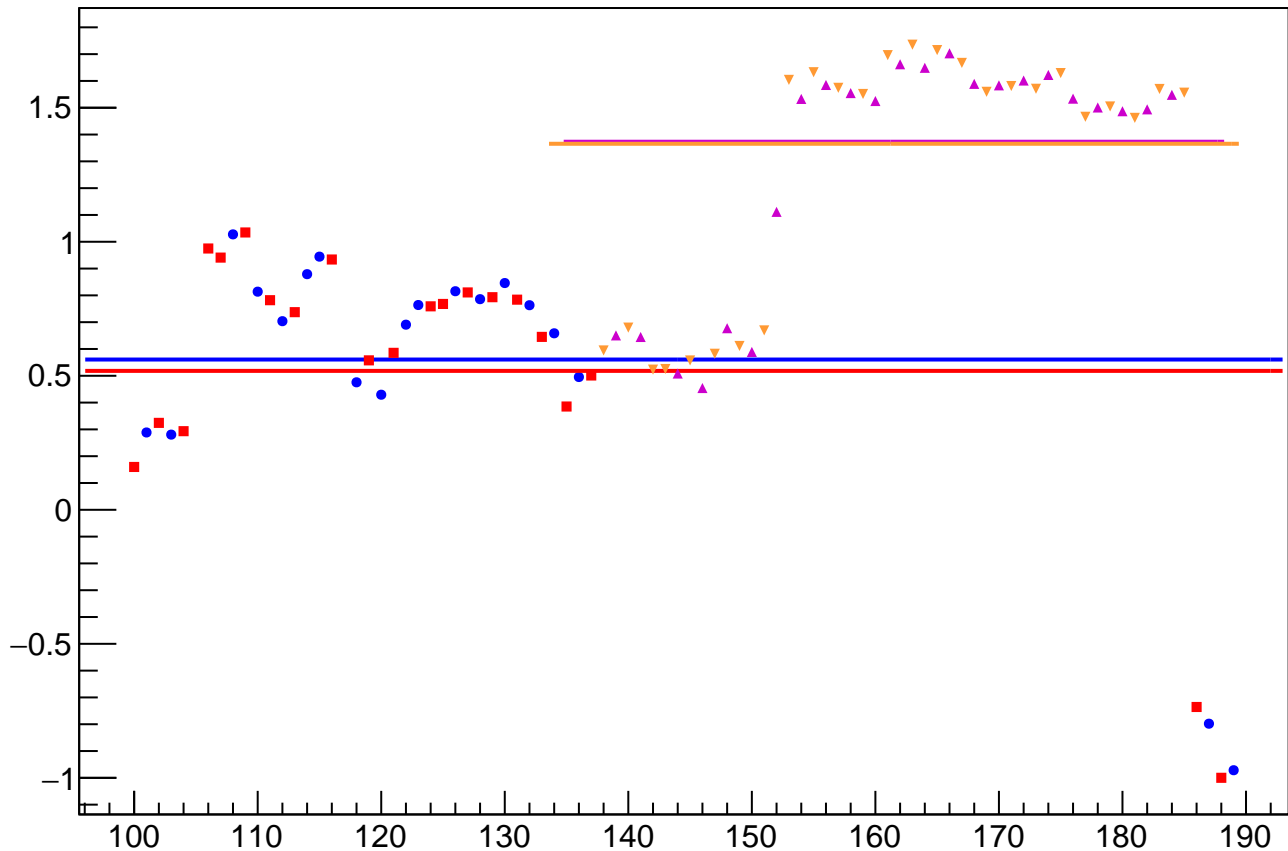
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.015+/-0.000 χ^2/NDF : 885098.7/43

All: 0.015+/-0.000 χ^2/NDF : 1881913.3/87

- sign 0.015+/-0.000 χ^2/NDF : 985393.7/43

yield_bpm0l02Y_mean vs Slug



Right In: 0.561 \pm 0.000 χ^2 /NDF: 13865543577.6/18

+ sign 1.214 \pm 0.000 χ^2 /NDF: 140494883017.9/43

Left Out: 1.366 \pm 0.000 χ^2 /NDF: 74741956067.9/24

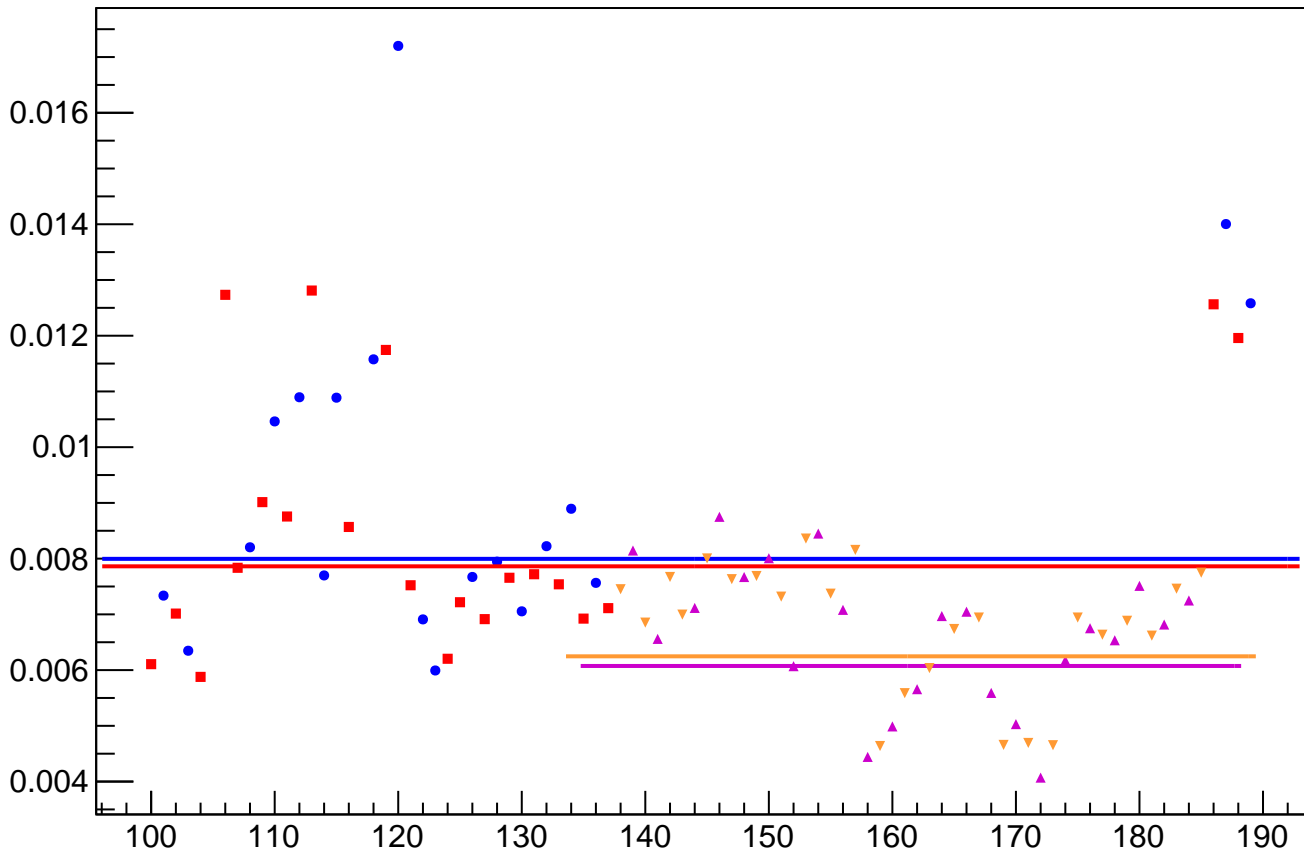
All: 1.202 \pm 0.000 χ^2 /NDF: 295918589456.9

Right Out: 0.518 \pm 0.000 χ^2 /NDF: 24814924915.2/20

- sign 1.190 \pm 0.000 χ^2 /NDF: 155262880886.9/43

Left In: 1.373 \pm 0.000 χ^2 /NDF: 63413151416.3/22

yield_bpm0l02Y_rms vs Slug



Right In: 0.008 \pm 0.000 χ^2 /NDF: 646513.7/18

Left Out: 0.006 \pm 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.008 \pm 0.000 χ^2 /NDF: 761749.9/20

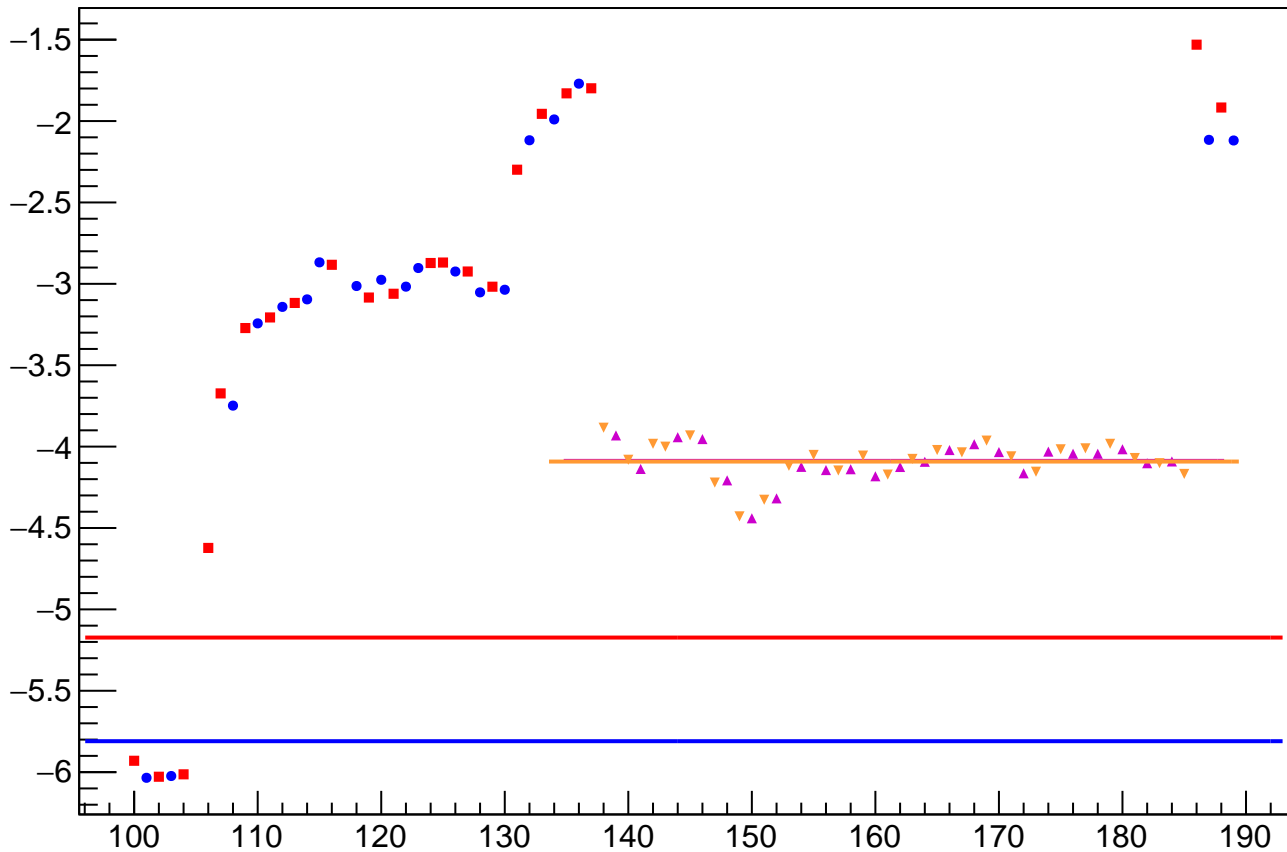
Left In: 0.006 \pm 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 \pm 0.000 χ^2 /NDF: 2467451.5/43

All: 0.007 \pm 0.000 χ^2 /NDF: 5255035.0/87

- sign 0.006 \pm 0.000 χ^2 /NDF: 2780134.7/43

yield_bpm0l03X_mean vs Slug



Right In: -5.810+/-0.000 χ^2 /NDF: 38076260148.0/18

Left Out: -4.092+/-0.000 χ^2 /NDF: 39806766.7/24

Right Out: -5.173+/-0.000 χ^2 /NDF: 129631974368.8/20

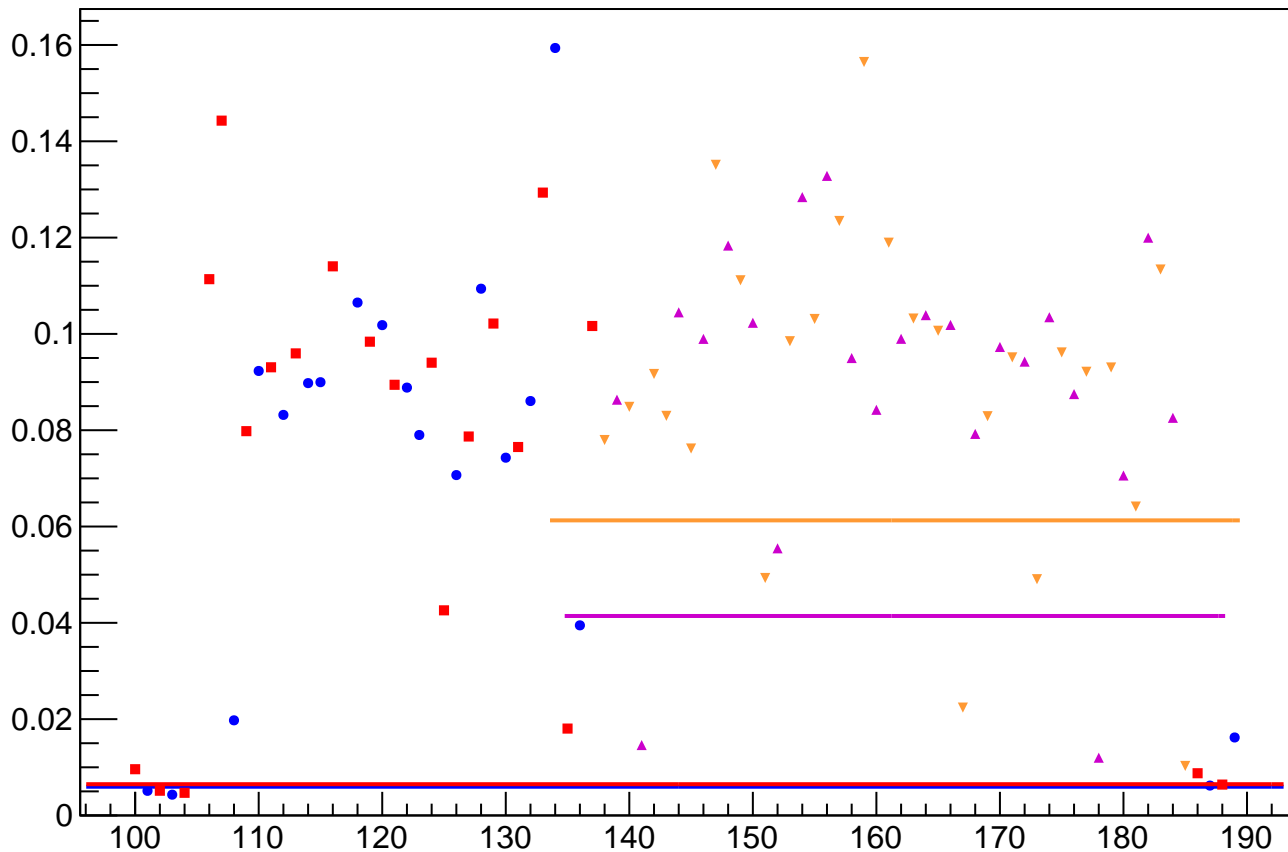
Left In: -4.088+/-0.000 χ^2 /NDF: 34412880.7/22

+ sign -5.712+/-0.000 χ^2 /NDF: 46336898886.3/43

All: -5.401+/-0.000 χ^2 /NDF: 190833983205.6

- sign -5.082+/-0.000 χ^2 /NDF: 134269845886.9/43

yield_bpm0l03X_rms vs Slug



Right In: 0.006 \pm 0.000 χ^2 /NDF: 7989218.2/18

Left Out: 0.061 \pm 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.006 \pm 0.000 χ^2 /NDF: 8479530.7/20

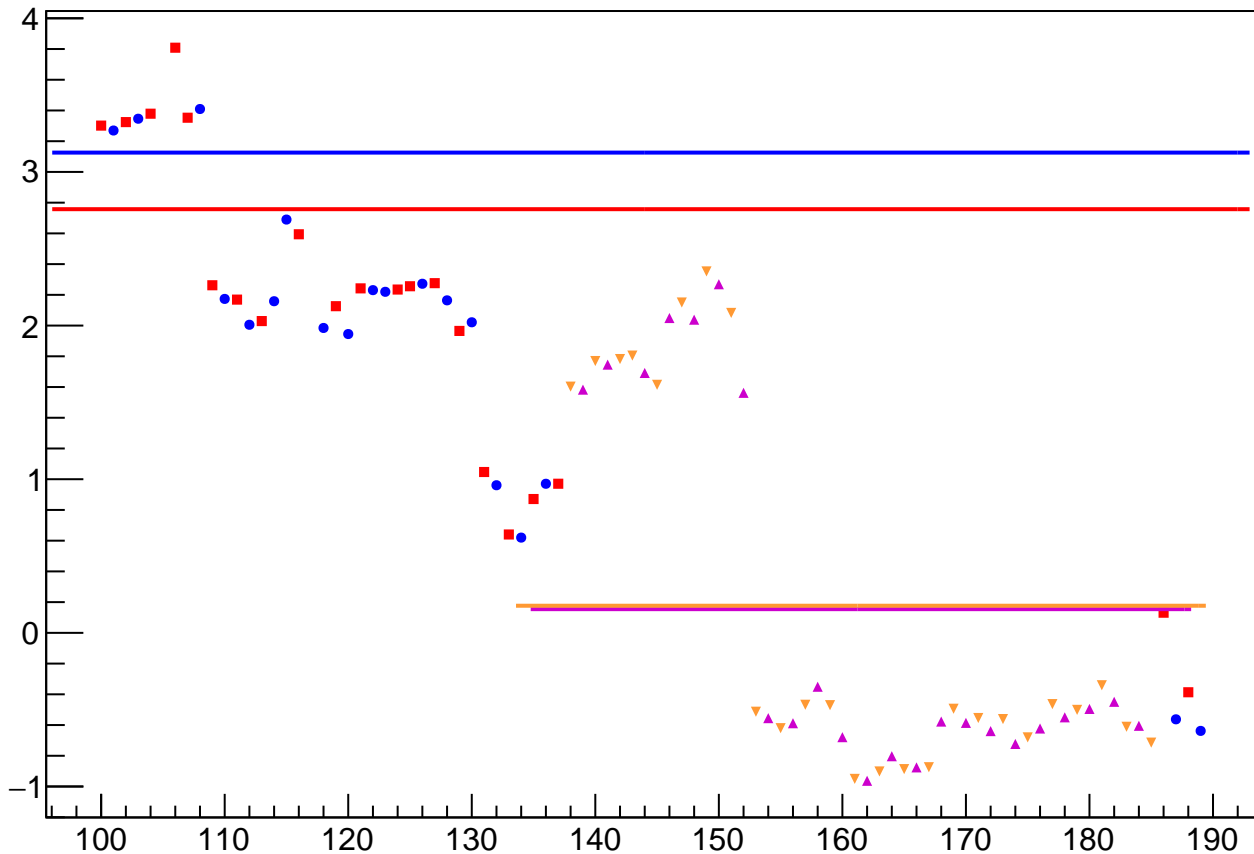
Left In: 0.041 \pm 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.009 \pm 0.000 χ^2 /NDF: 33385213.2/43

All: 0.009 \pm 0.000 χ^2 /NDF: 64530774.4/87

- sign 0.009 \pm 0.000 χ^2 /NDF: 31140507.5/43

yield_bpm0l03Y_mean vs Slug



Right In: 3.126+/-0.000 χ^2/NDF : 17680810293.8/18

Left Out: 0.177+/-0.000 χ^2/NDF : 3275313367.7/24

Right Out: 2.758+/-0.000 χ^2/NDF : 53897614420.8/20

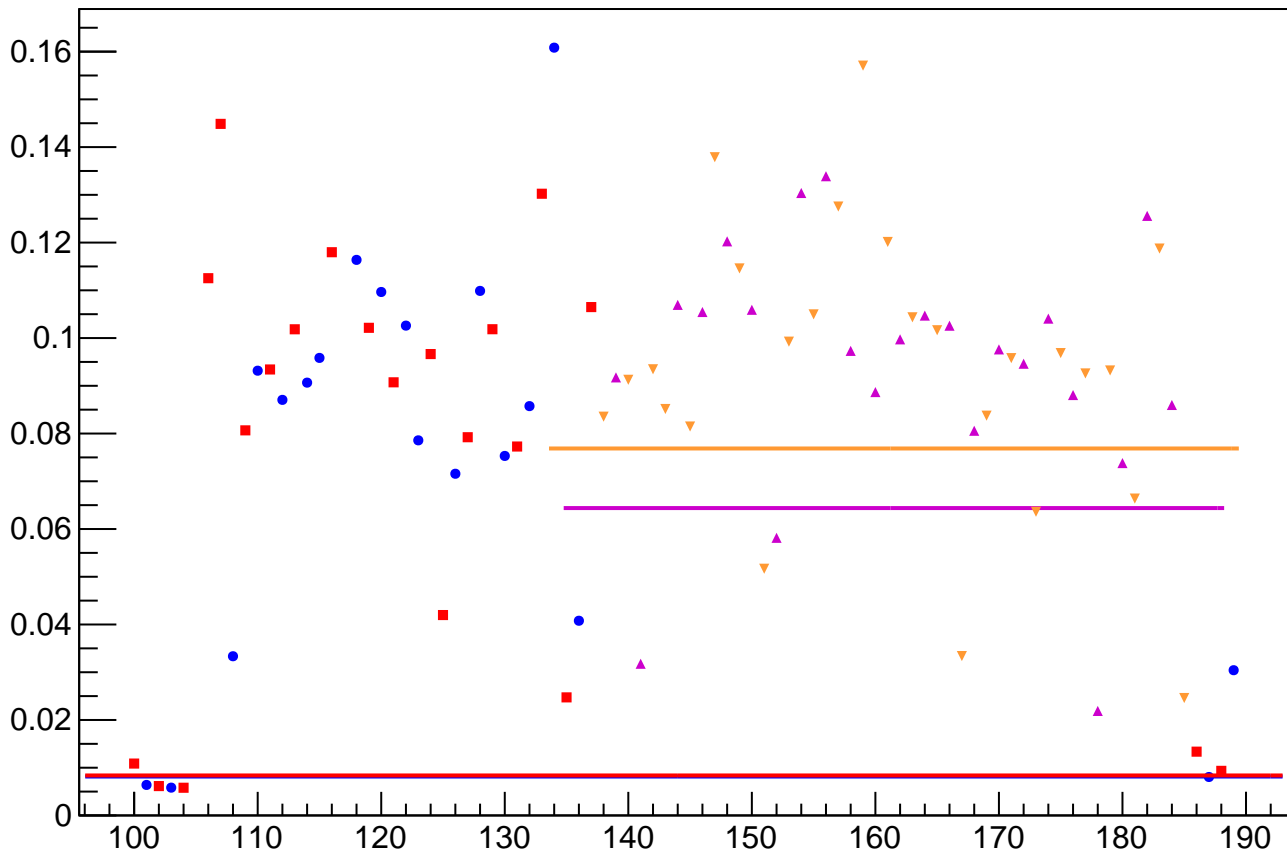
Left In: 0.154+/-0.000 χ^2/NDF : 3163553595.0/22

+ sign 2.917+/-0.000 χ^2/NDF : 39281955751.2/43

All: 2.733+/-0.000 χ^2/NDF : 114604058312.4

- sign 2.558+/-0.000 χ^2/NDF : 73202470347.1/43

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 \pm 0.000 χ^2 /NDF: 7891362.2/18

Left Out: 0.077 \pm 0.000 χ^2 /NDF:4217954.3/24

Right Out: 0.008 \pm 0.000 χ^2 /NDF: 8330191.8/20

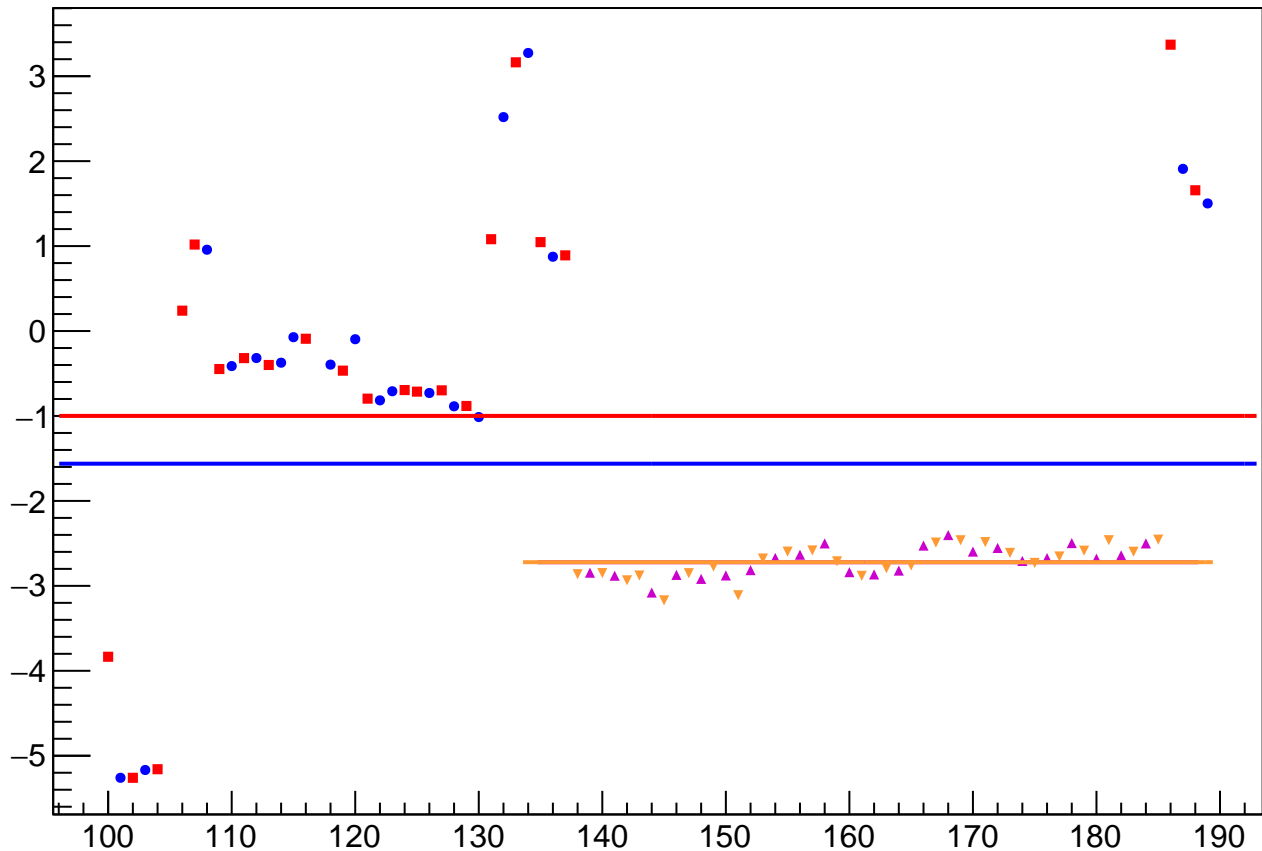
Left In: 0.064 \pm 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.013 \pm 0.000 χ^2 /NDF: 32003335.3/43

All: 0.013 \pm 0.000 χ^2 /NDF: 62271630.7/87

- sign 0.013 \pm 0.000 χ^2 /NDF: 30264324.7/43

yield_bpm0l04X_mean vs Slug



Right In: -1.562 ± 0.000 $\chi^2/\text{NDF}: 177031600221.0/18$

+ sign -2.633 ± 0.000 $\chi^2/\text{NDF}: 217167745878.4/43$

Left Out: -2.721 ± 0.000 $\chi^2/\text{NDF}: 10397156971.6/24$

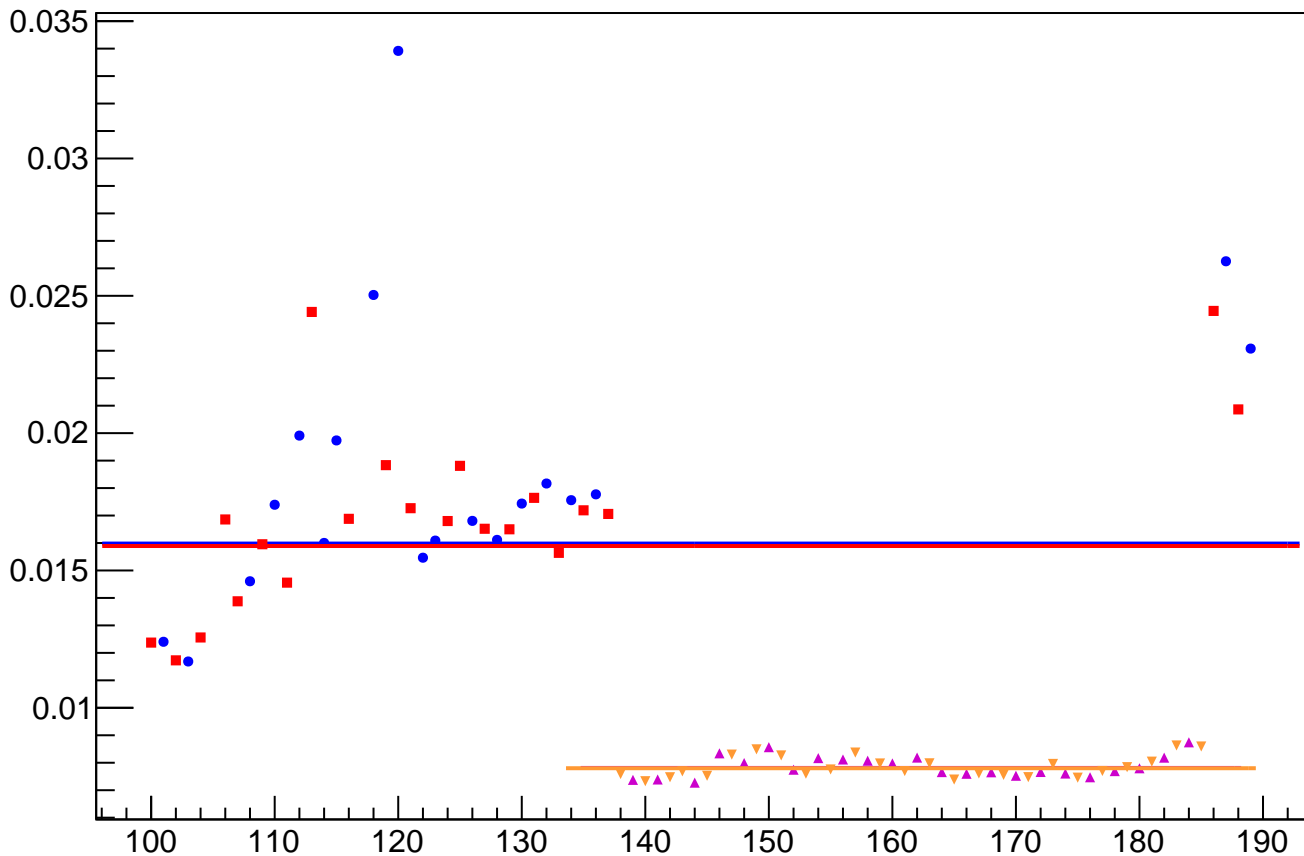
All: -2.596 ± 0.000 $\chi^2/\text{NDF}: 509533569417.3$

Right Out: -0.999 ± 0.000 $\chi^2/\text{NDF}: 205775435990.1/20$

- sign -2.557 ± 0.000 $\chi^2/\text{NDF}: 291483536065.3/43$

Left In: -2.722 ± 0.000 $\chi^2/\text{NDF}: 8146484592.1/22$

yield_bpm0l04X_rms vs Slug



Right In: 0.016 \pm 0.000 χ^2 /NDF: 709402.5/18

Left Out: 0.008 \pm 0.000 χ^2 /NDF:71164.4/24

Right Out: 0.016 \pm 0.000 χ^2 /NDF: 548772.5/20

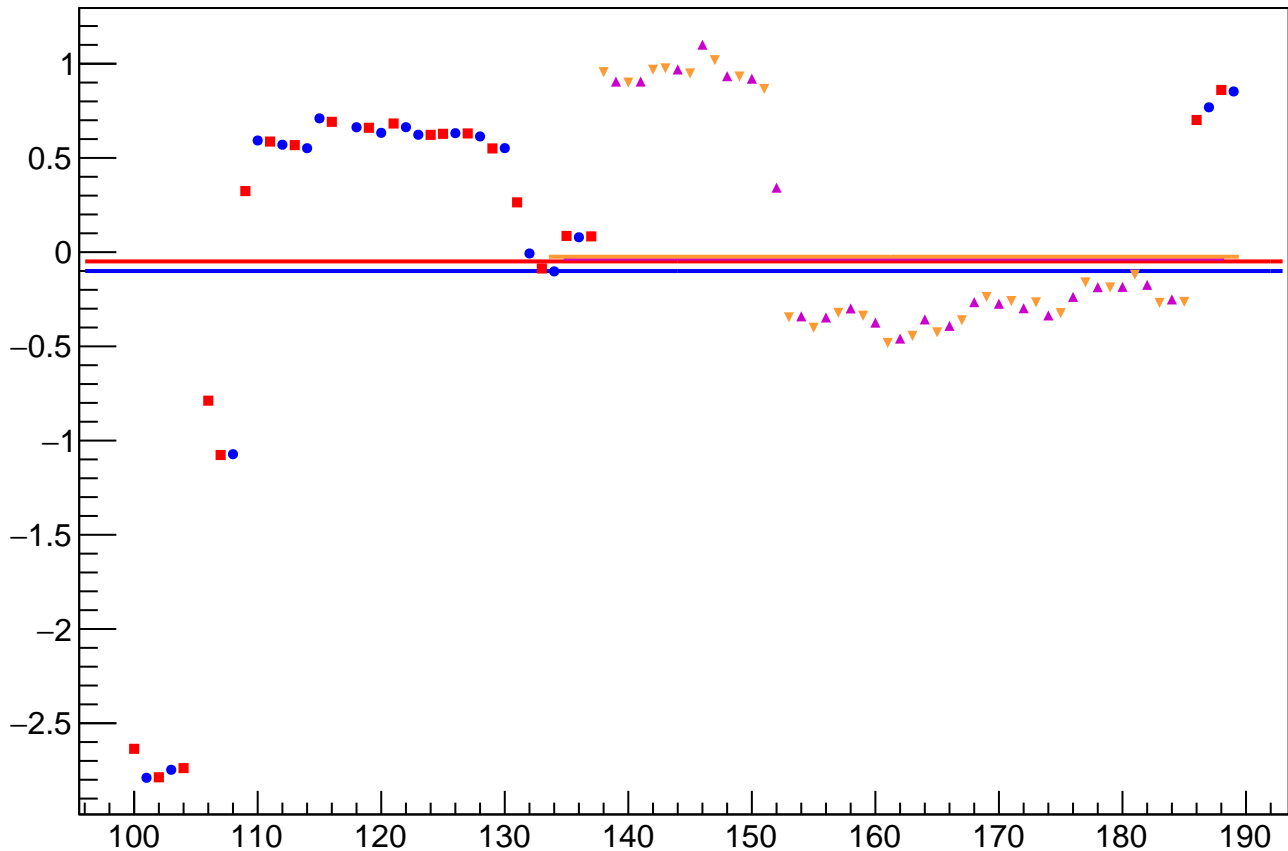
Left In: 0.008 \pm 0.000 χ^2 /NDF:67610.2/22

+ sign 0.008 \pm 0.000 χ^2 /NDF: 3740751.4/43

All: 0.009 \pm 0.000 χ^2 /NDF: 7777594.1/87

- sign 0.009 \pm 0.000 χ^2 /NDF: 4028963.8/43

yield_bpm0l04Y_mean vs Slug



Right In: -0.100 ± 0.000 $\chi^2/\text{NDF}: 734664243257.0/18$

Left Out: -0.024 ± 0.000 $\chi^2/\text{NDF}: 135451649275.0/24$

Right Out: -0.049 ± 0.000 $\chi^2/\text{NDF}: 802193844353.4/20$

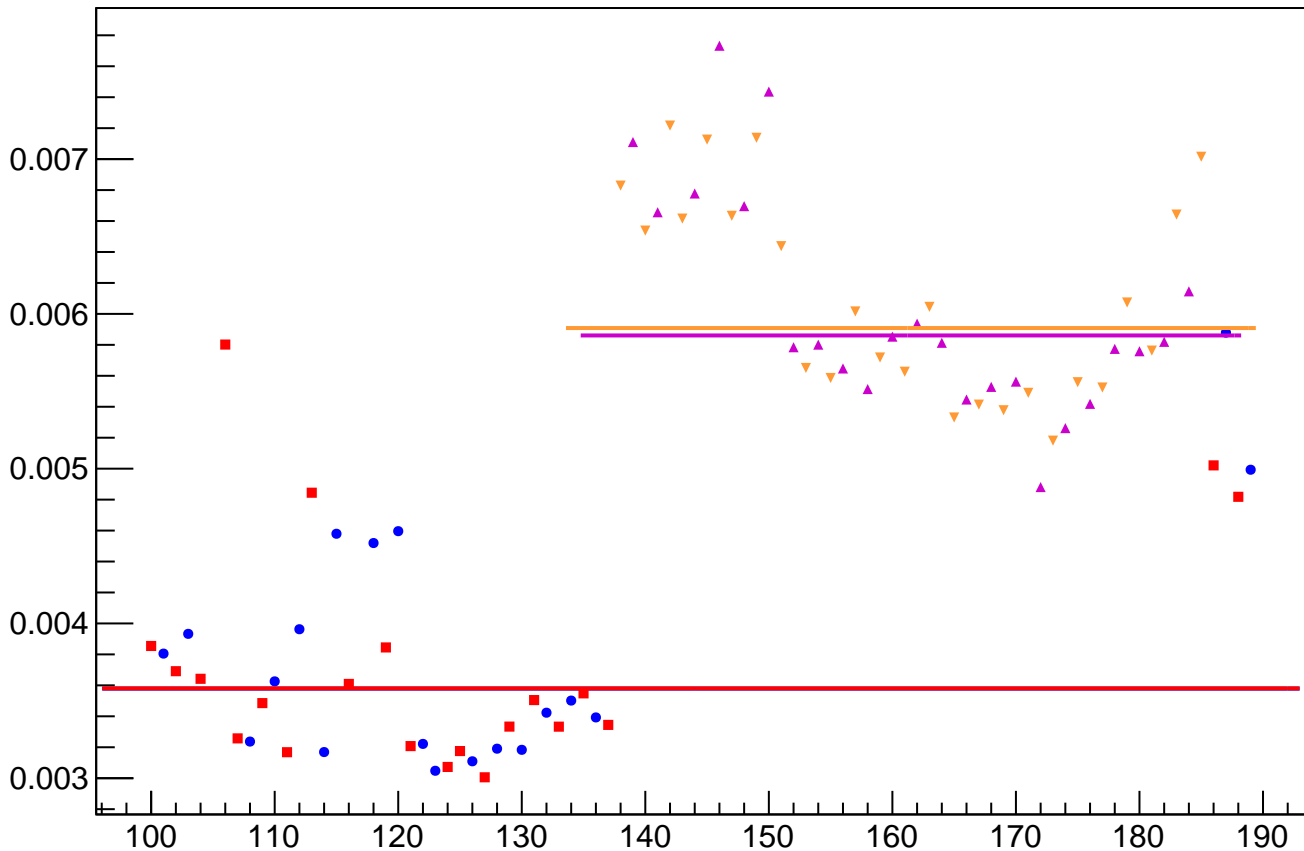
Left In: -0.034 ± 0.000 $\chi^2/\text{NDF}: 113929060918.1/22$

+ sign -0.064 ± 0.000 $\chi^2/\text{NDF}: 871582648864.3/43$

All: -0.053 ± 0.000 $\chi^2/\text{NDF}: 1788001837936$

- sign -0.043 ± 0.000 $\chi^2/\text{NDF}: 916180589802.5/43$

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2 /NDF: 292140.0/18

Left Out: 0.006+/-0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004+/-0.000 χ^2 /NDF: 400862.9/20

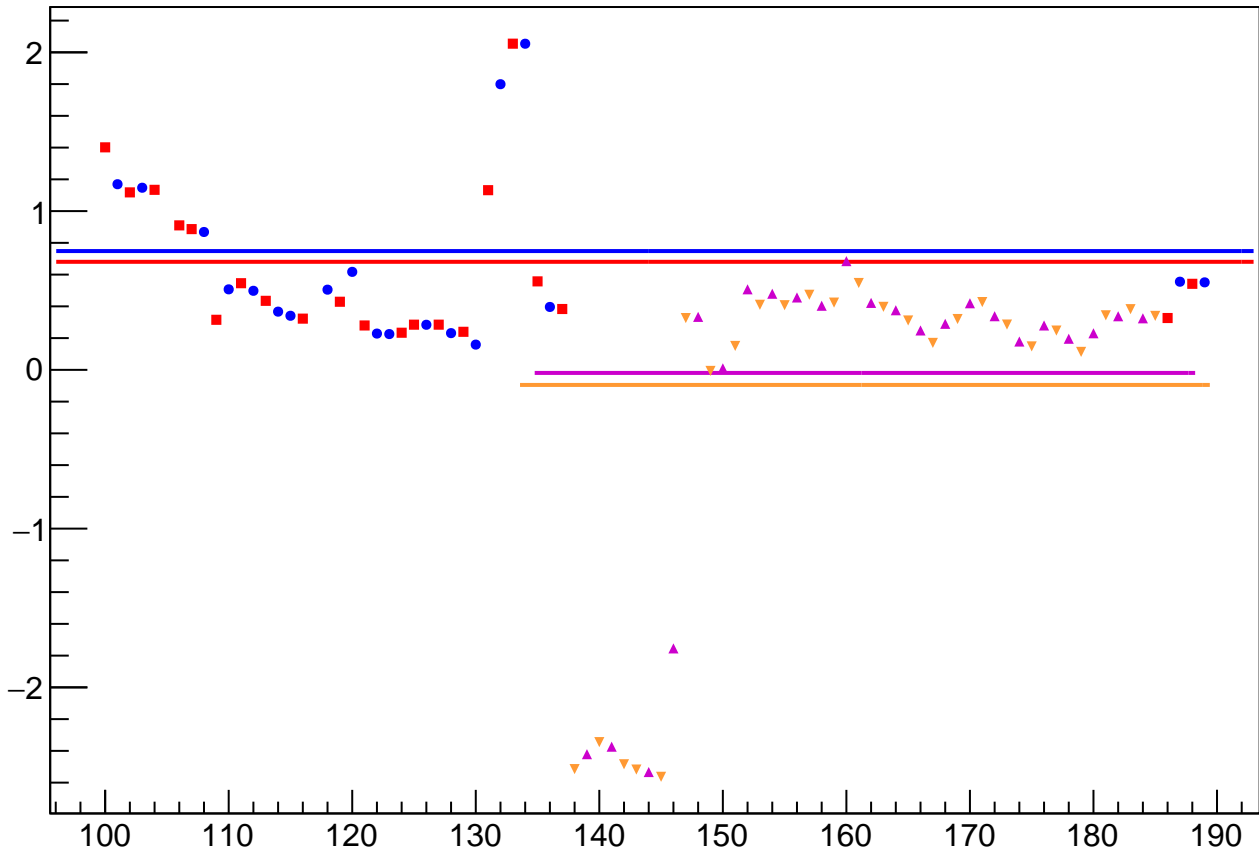
Left In: 0.006+/-0.000 χ^2 /NDF:364512.1/22

+ sign 0.005+/-0.000 χ^2 /NDF: 3356461.8/43

All: 0.005+/-0.000 χ^2 /NDF: 6879500.5/87

- sign 0.005+/-0.000 χ^2 /NDF: 3508695.8/43

yield_bpm0l05X_mean vs Slug



Right In: 0.748 \pm 0.000 χ^2 /NDF: 34777959555.2/18

Left Out: -0.095 \pm 0.000 χ^2 /NDF: 505606573631.9/24

Right Out: 0.681 \pm 0.000 χ^2 /NDF: 42291642997.2/20

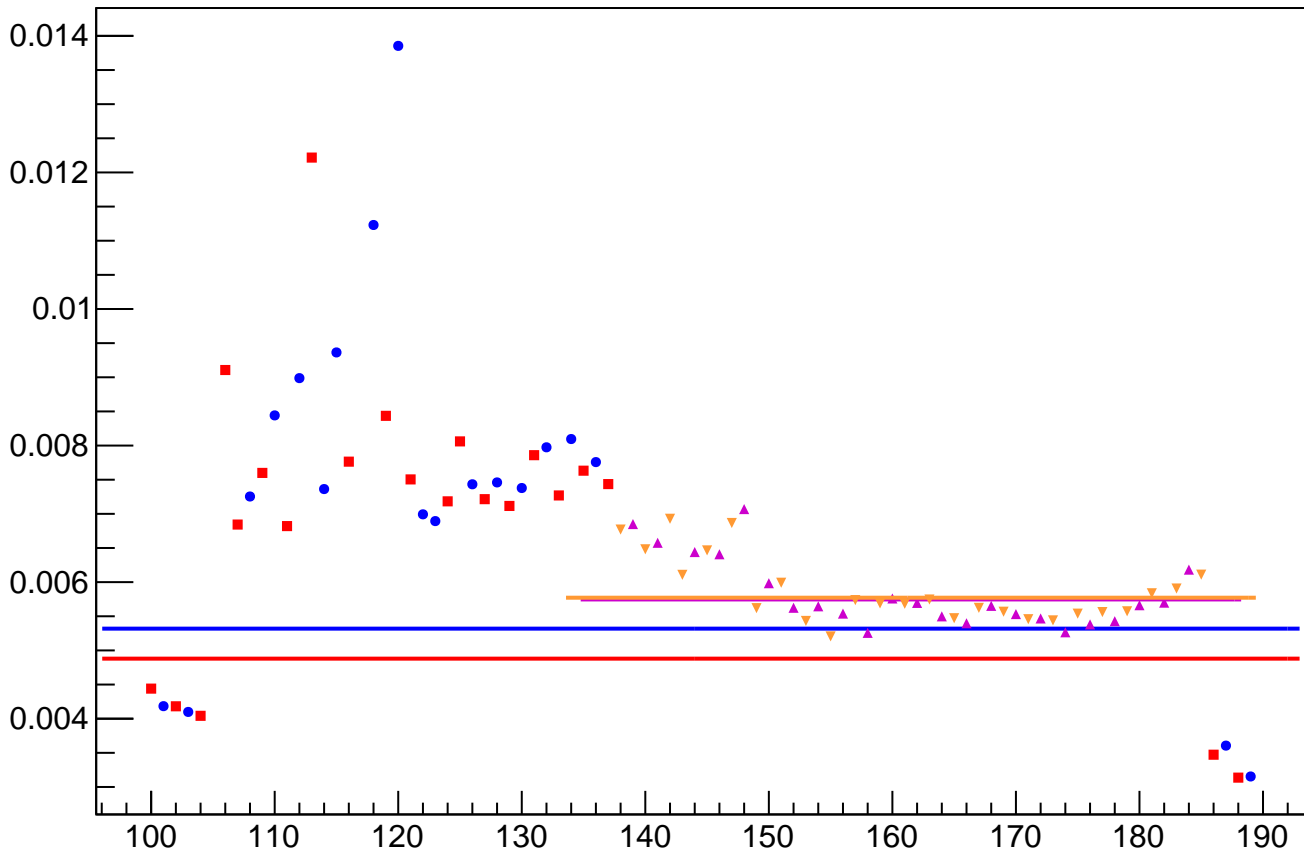
Left In: -0.019 \pm 0.000 χ^2 /NDF: 417104863944.5/22

+ sign 0.138 \pm 0.000 χ^2 /NDF: 641454231888.6/43

All: 0.185 \pm 0.000 χ^2 /NDF: 1189569010718.

- sign 0.229 \pm 0.000 χ^2 /NDF: 545059781217.2/43

yield_bpm0l05X_rms vs Slug



Right In: 0.005 \pm 0.000 χ^2 /NDF: 1925302.1/18

Left Out: 0.006 \pm 0.000 χ^2 /NDF:177680.7/24

Right Out: 0.005 \pm 0.000 χ^2 /NDF: 2191145.9/20

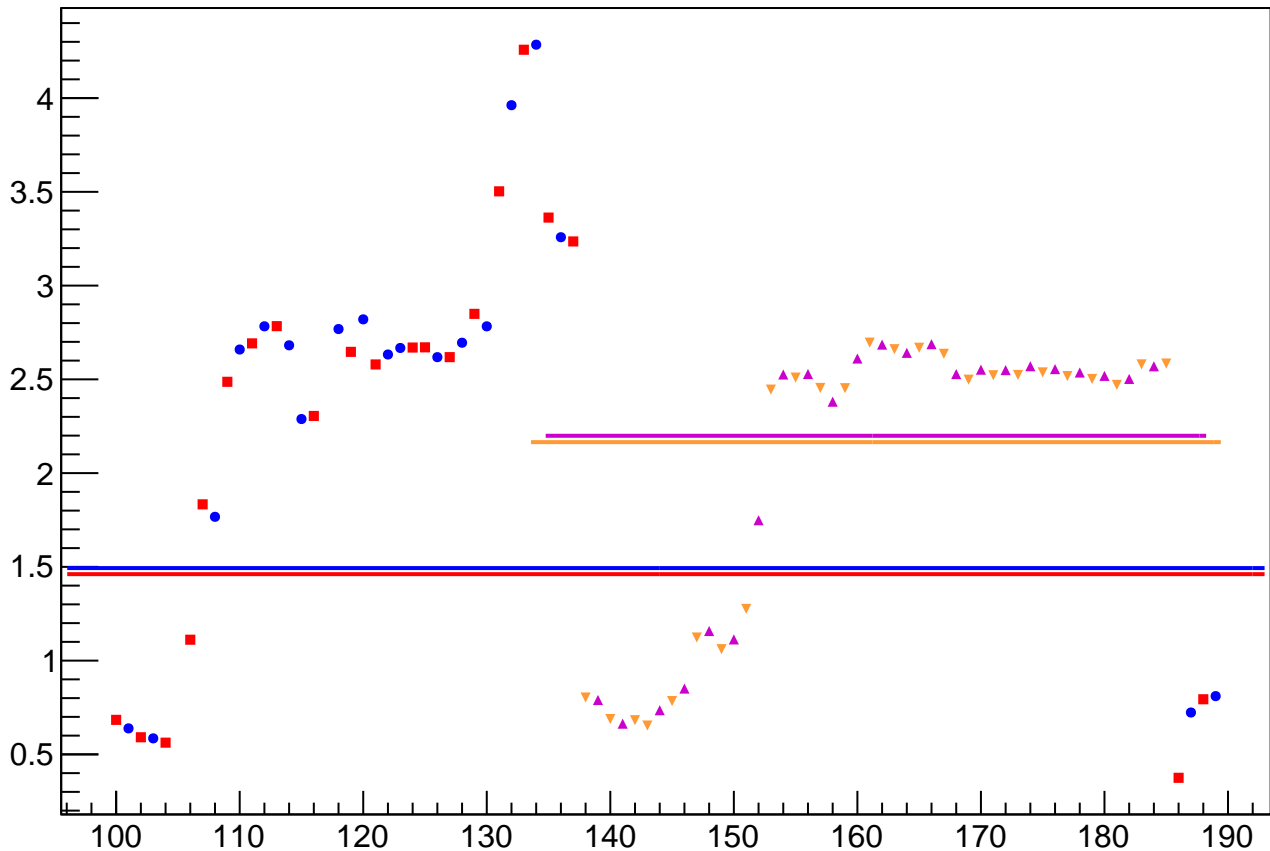
Left In: 0.006 \pm 0.000 χ^2 /NDF:204066.4/22

+ sign 0.006 \pm 0.000 χ^2 /NDF: 2161338.7/43

All: 0.006 \pm 0.000 χ^2 /NDF: 4851148.3/87

- sign 0.005 \pm 0.000 χ^2 /NDF: 2658000.3/43

yield_bpm0l05Y_mean vs Slug



Right In: 1.494 \pm 0.000 χ^2 /NDF: 217098805726.1/18

Left Out: 2.165 \pm 0.000 χ^2 /NDF: 292800056899.6/24

Right Out: 1.461 \pm 0.000 χ^2 /NDF: 265826410558.0/20

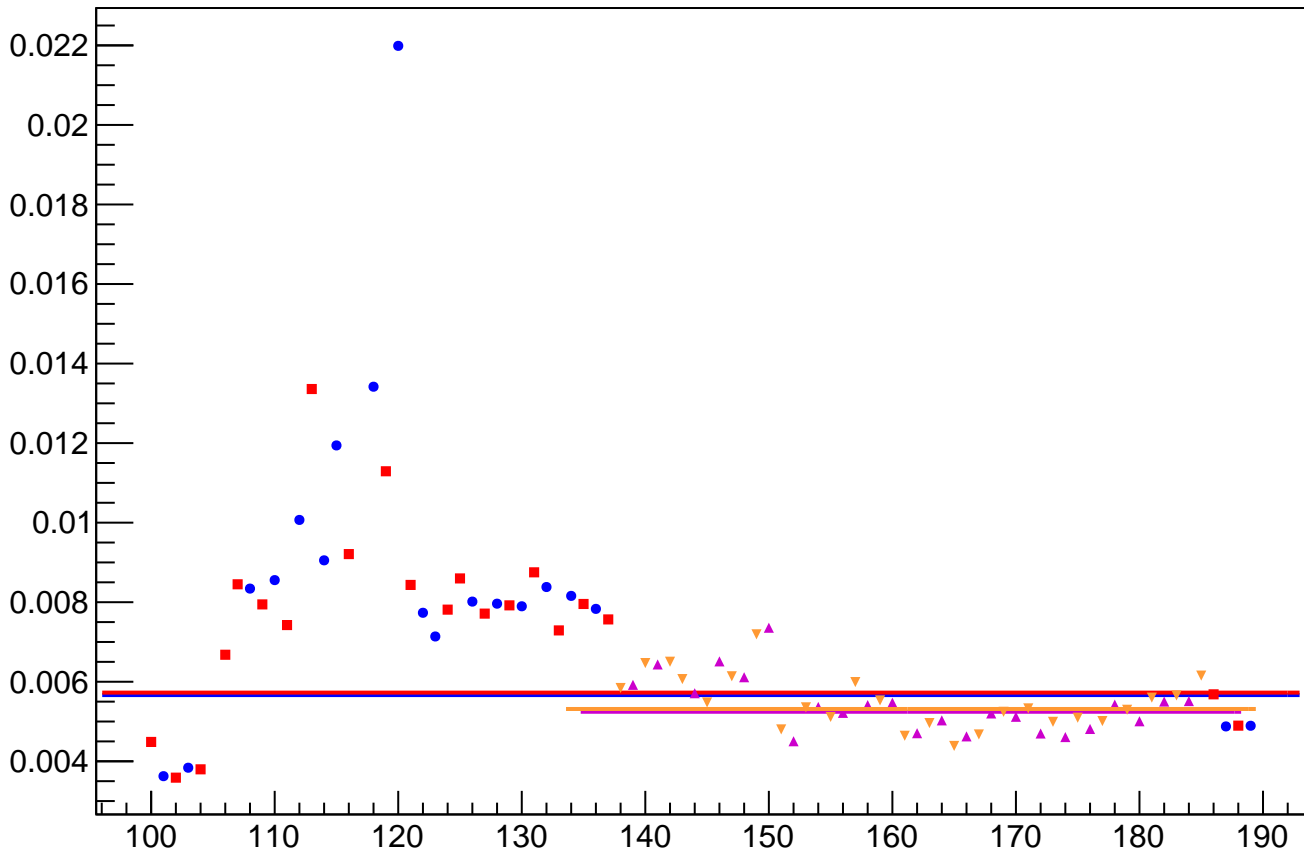
Left In: 2.199 \pm 0.000 χ^2 /NDF: 253166239065.4/22

+ sign 2.016 \pm 0.000 χ^2 /NDF: 568784955973.1/43

All: 2.012 \pm 0.000 χ^2 /NDF: 1168357357555.

- sign 2.008 \pm 0.000 χ^2 /NDF: 599551715457.8/43

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1946470.9/18

Left Out: 0.005+/-0.000 χ^2/NDF : 398795.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1738466.9/20

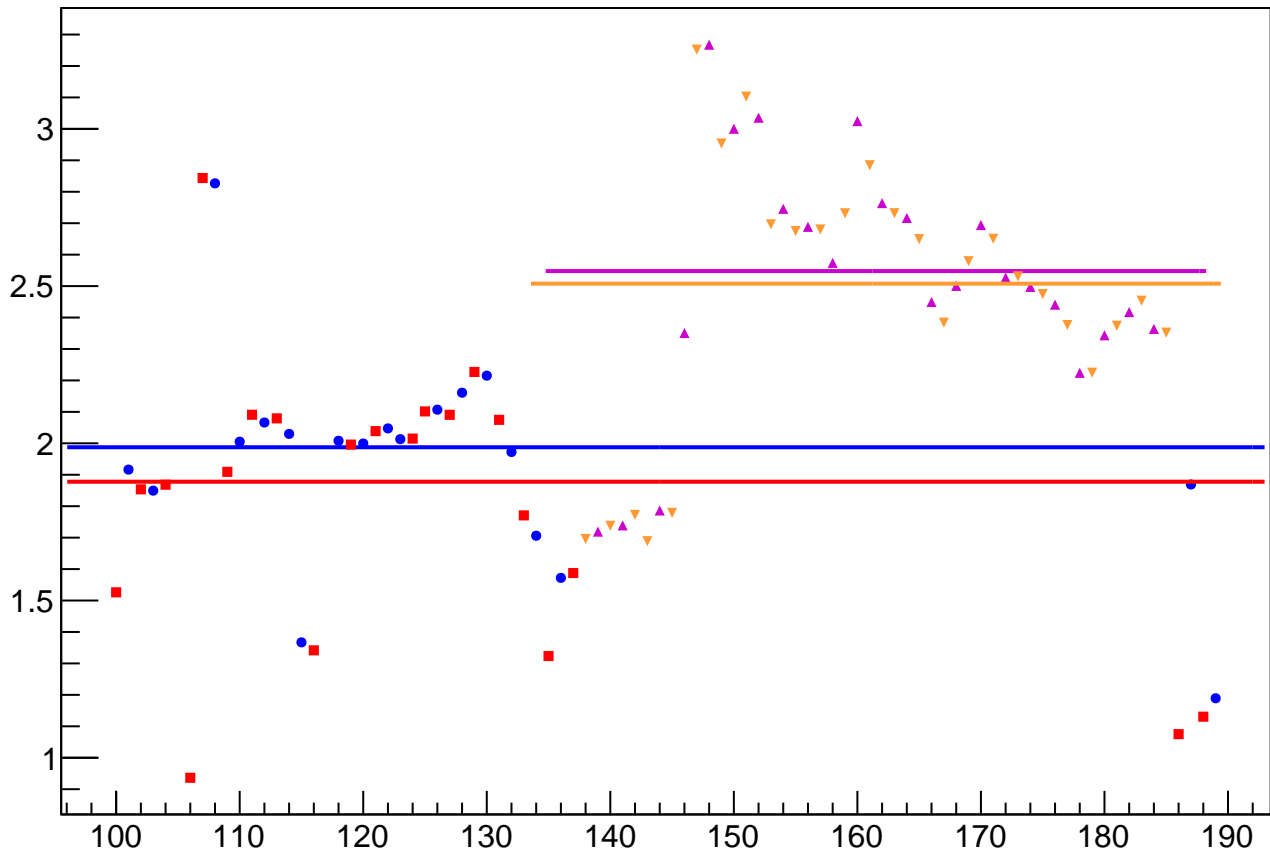
Left In: 0.005+/-0.000 χ^2/NDF : 425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2377180.1/43

All: 0.005+/-0.000 χ^2/NDF : 4610439.1/87

- sign 0.005+/-0.000 χ^2/NDF : 2232853.6/43

yield_bpm0l06X_mean vs Slug



Right In: 1.988 \pm 0.000 χ^2 /NDF: 15111816637.9/18

+ sign 2.351 \pm 0.000 χ^2 /NDF: 94292329821.0/43

Left Out: 2.508 \pm 0.000 χ^2 /NDF: 52355332406.0/24

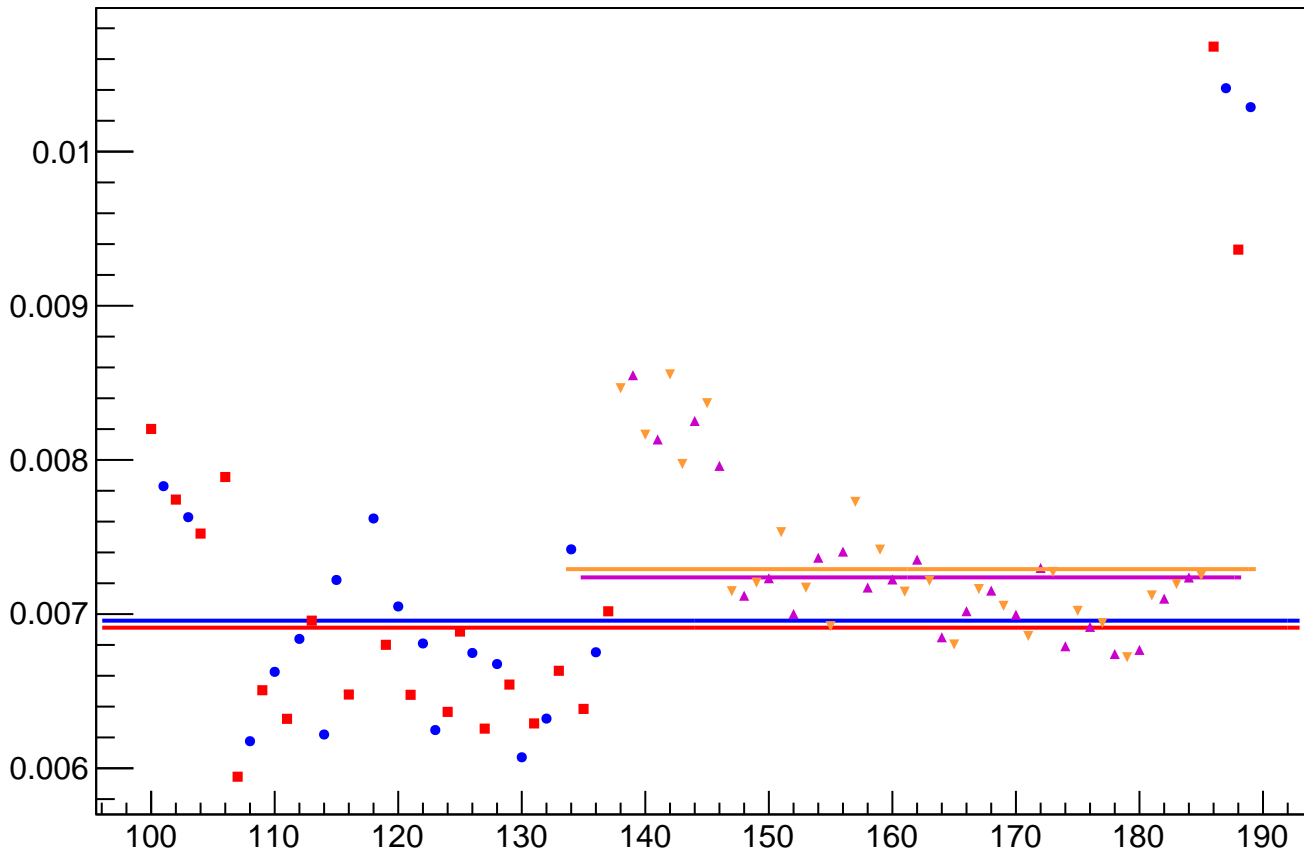
All: 2.334 \pm 0.000 χ^2 /NDF: 218162972060.3

Right Out: 1.878 \pm 0.000 χ^2 /NDF: 29613634151.9/20

- sign 2.319 \pm 0.000 χ^2 /NDF: 123623198862.1/43

Left In: 2.548 \pm 0.000 χ^2 /NDF: 45350336058.7/22

yield_bpm0l06X_rms vs Slug



Right In: 0.007 \pm 0.000 χ^2 /NDF: 209369.3/18

Left Out: 0.007 \pm 0.000 χ^2 /NDF:140788.4/24

Right Out: 0.007 \pm 0.000 χ^2 /NDF: 301541.8/20

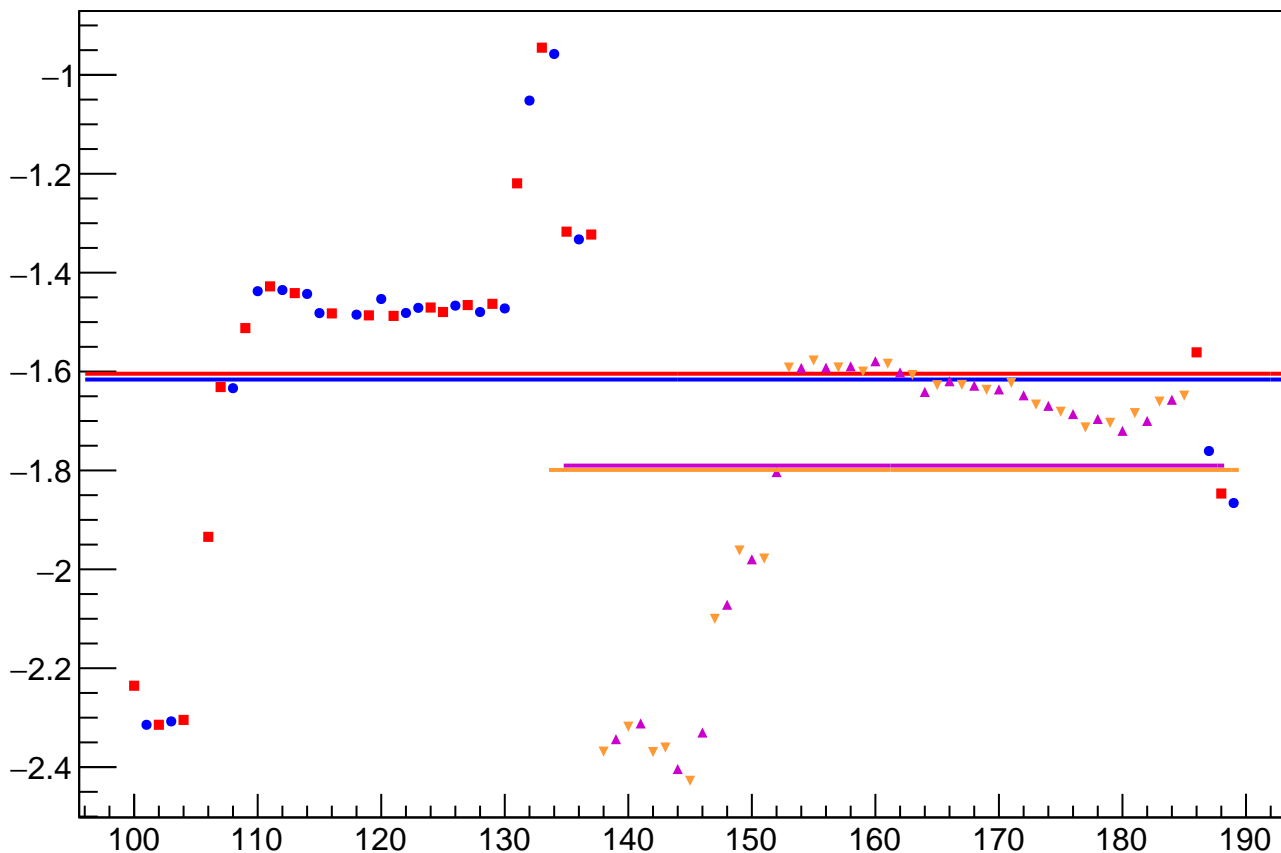
Left In: 0.007 \pm 0.000 χ^2 /NDF:125233.2/22

+ sign 0.007 \pm 0.000 χ^2 /NDF: 372303.6/43

All: 0.007 \pm 0.000 χ^2 /NDF: 824104.7/87

- sign 0.007 \pm 0.000 χ^2 /NDF: 449835.5/43

yield_bpm0l06Y_mean vs Slug



Right In: -1.616 ± 0.000 $\chi^2/\text{NDF}: 143269321137.5/18$

Left Out: -1.799 ± 0.000 $\chi^2/\text{NDF}: 185362087438.8/24$

Right Out: -1.604 ± 0.000 $\chi^2/\text{NDF}: 149528863952.5/20$

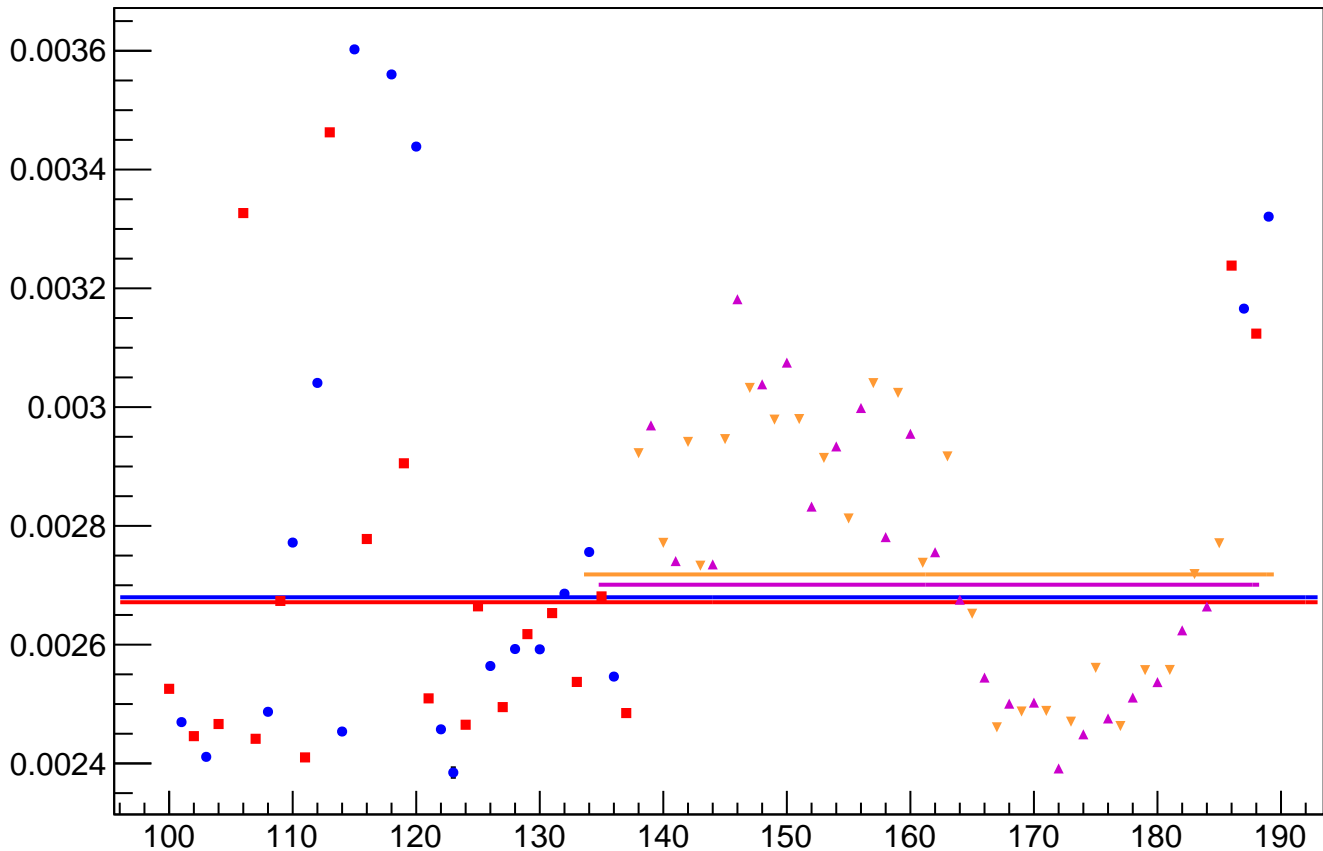
Left In: -1.790 ± 0.000 $\chi^2/\text{NDF}: 159648935510.8/22$

+ sign -1.746 ± 0.000 $\chi^2/\text{NDF}: 351319926400.5/43$

All: -1.738 ± 0.000 $\chi^2/\text{NDF}: 686585459571.3$

- sign -1.729 ± 0.000 $\chi^2/\text{NDF}: 334784565931.6/43$

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 195667.8/18

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 171200.9/20

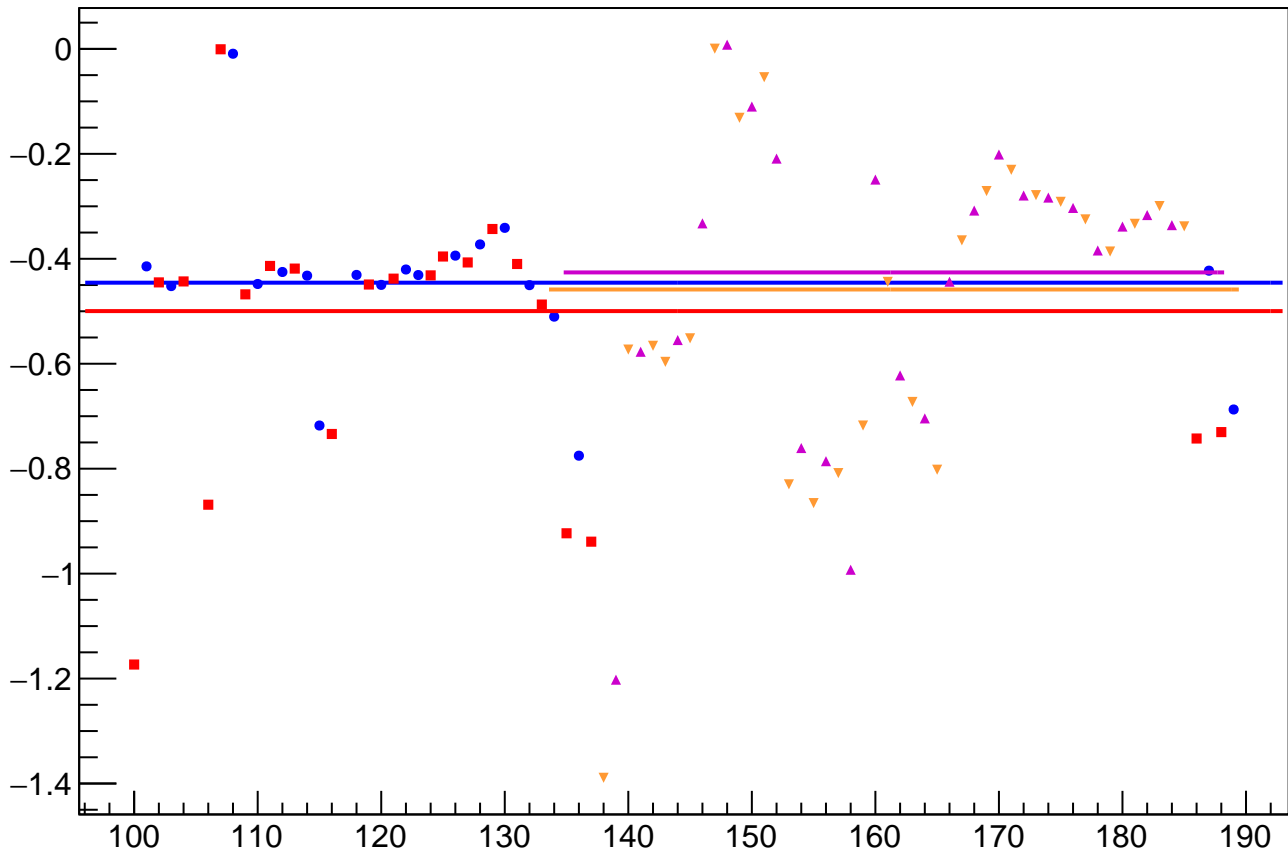
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 397370.7/43

All: 0.003+/-0.000 χ^2/NDF : 791035.5/87

- sign 0.003+/-0.000 χ^2/NDF : 392819.1/43

yield_bpm0l07X_mean vs Slug



Right In: -0.446 ± 0.000 $\chi^2/\text{NDF}: 1554717475.4/18$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 9916462814.9/24$

Right Out: -0.500 ± 0.000 $\chi^2/\text{NDF}: 2940978108.3/20$

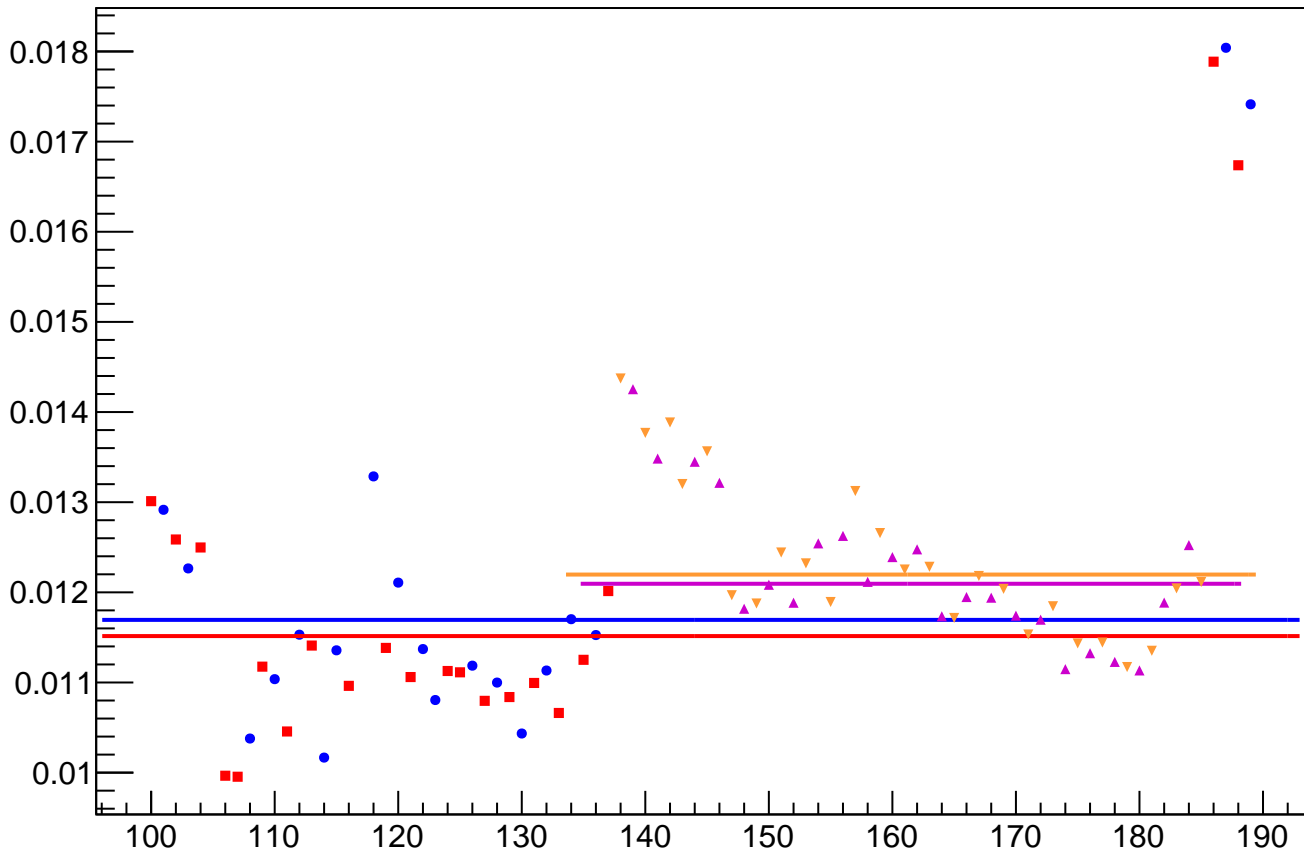
Left In: -0.426 ± 0.000 $\chi^2/\text{NDF}: 8424222576.0/22$

+ sign -0.455 ± 0.000 $\chi^2/\text{NDF}: 11477177724.3/43$

All: -0.453 ± 0.000 $\chi^2/\text{NDF}: 23057115401.6/43$

- sign -0.452 ± 0.000 $\chi^2/\text{NDF}: 11579151923.5/43$

yield_bpm0l07X_rms vs Slug



Right In: 0.012 \pm 0.000 χ^2 /NDF: 205301.3/18

Left Out: 0.012 \pm 0.000 χ^2 /NDF:141850.9/24

Right Out: 0.012 \pm 0.000 χ^2 /NDF: 334693.2/20

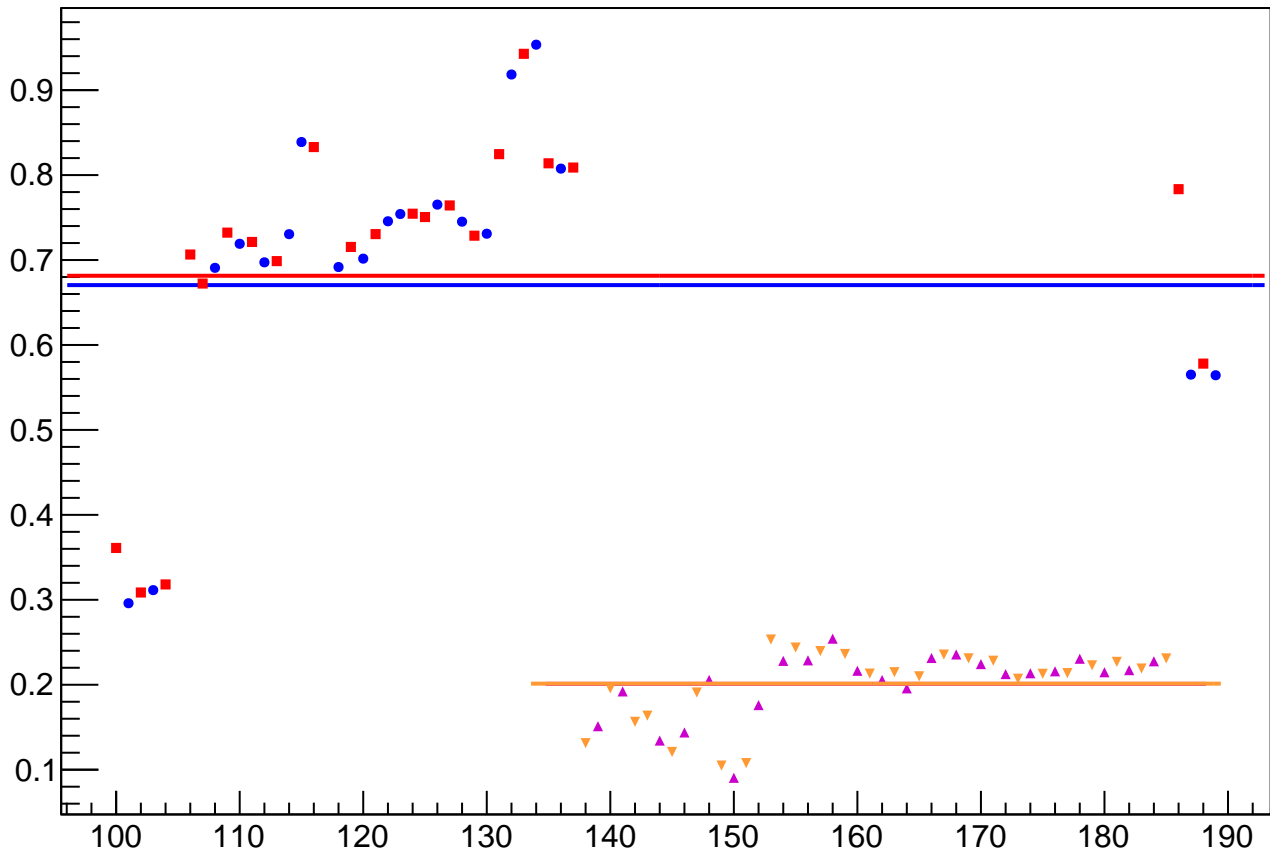
Left In: 0.012 \pm 0.000 χ^2 /NDF:127308.3/22

+ sign 0.012 \pm 0.000 χ^2 /NDF: 365182.1/43

All: 0.012 \pm 0.000 χ^2 /NDF: 857659.3/87

- sign 0.012 \pm 0.000 χ^2 /NDF: 488524.6/43

yield_bpm0l07Y_mean vs Slug



Right In: 0.670 \pm 0.000 χ^2 /NDF: 39368829214.4/18

Left Out: 0.201 \pm 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.681 \pm 0.000 χ^2 /NDF: 37071423491.3/20

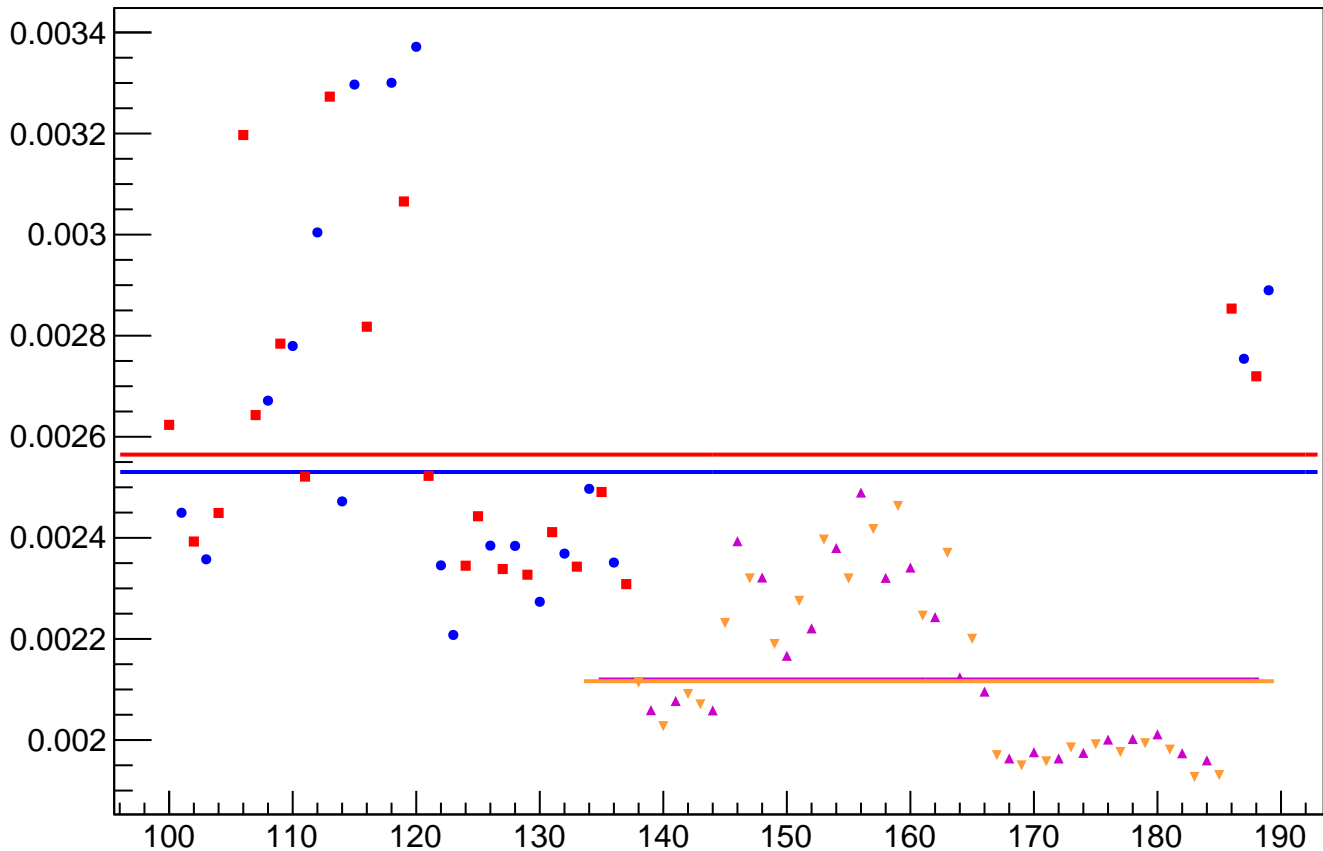
Left In: 0.201 \pm 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.300 \pm 0.000 χ^2 /NDF: 234596653311.9/43

All: 0.308 \pm 0.000 χ^2 /NDF: 488842823438.9

- sign 0.316 \pm 0.000 χ^2 /NDF: 253608747831.2/43

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 191715.7/18

Left Out: 0.002+/-0.000 χ^2/NDF :224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 146724.3/20

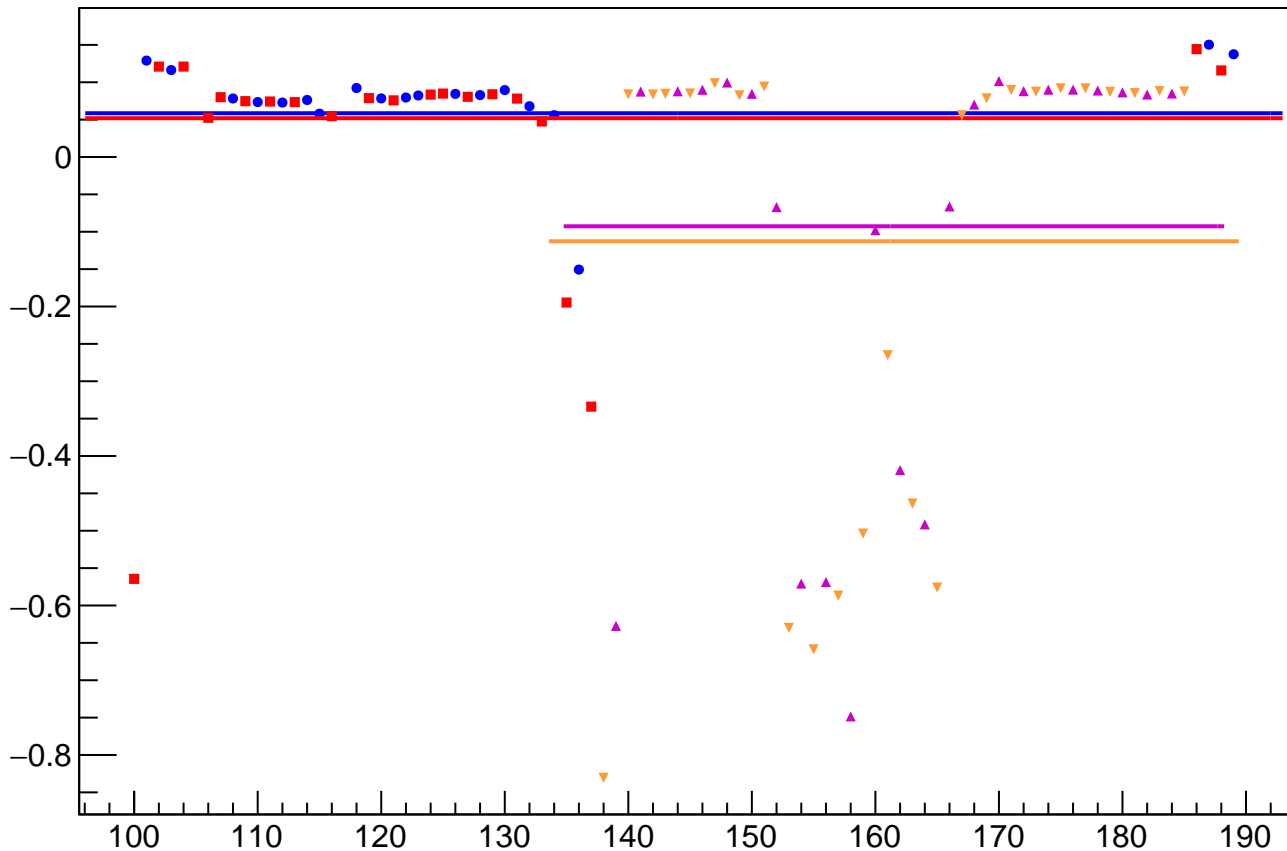
Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 709058.4/43

All: 0.002+/-0.000 χ^2/NDF : 1409343.2/87

- sign 0.002+/-0.000 χ^2/NDF : 697675.5/43

yield_bpm0l08X_mean vs Slug



Right In: 0.059 \pm 0.000 χ^2 /NDF: 439433407.2/18

Left Out: -0.113 \pm 0.000 χ^2 /NDF: 13667354077.1/24

Right Out: 0.052 \pm 0.000 χ^2 /NDF: 848204962.3/20

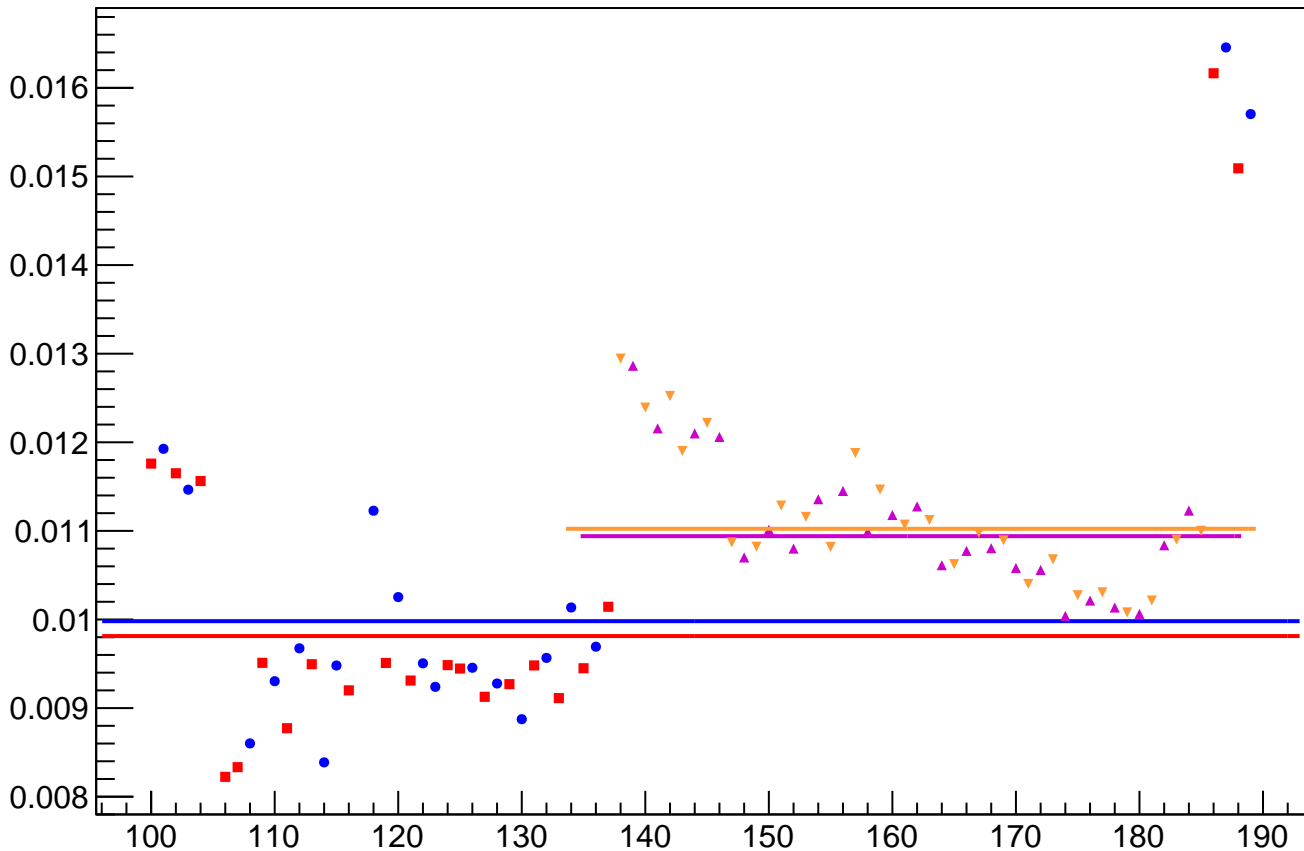
Left In: -0.093 \pm 0.000 χ^2 /NDF: 11051944893.7/22

+ sign -0.057 \pm 0.000 χ^2 /NDF: 15486418262.4/43

All: -0.048 \pm 0.000 χ^2 /NDF: 28503767281.1/43

- sign -0.039 \pm 0.000 χ^2 /NDF: 12980691070.2/43

yield_bpm0l08X_rms vs Slug



Right In: 0.010 \pm 0.000 χ^2 /NDF: 289090.6/18

Left Out: 0.011 \pm 0.000 χ^2 /NDF: 141501.7/24

Right Out: 0.010 \pm 0.000 χ^2 /NDF: 453828.4/20

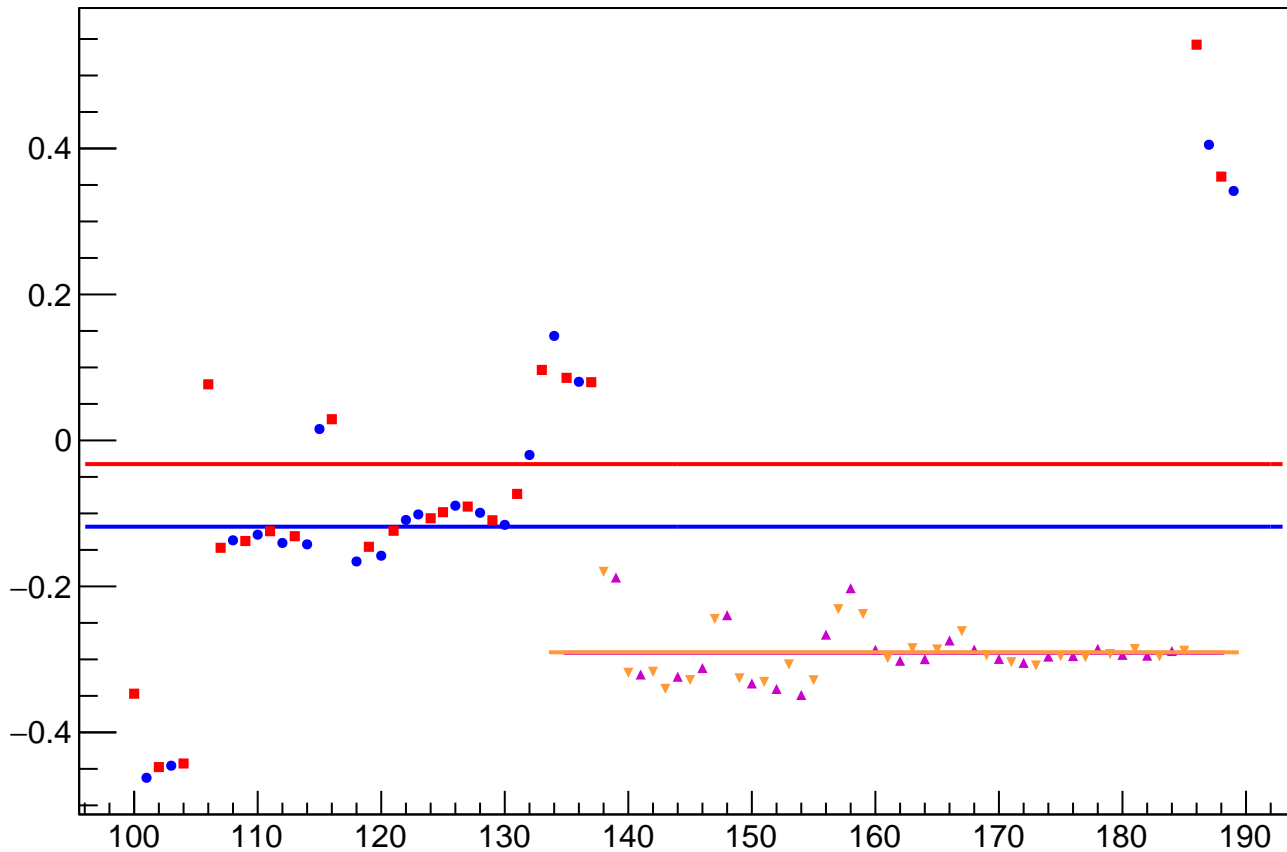
Left In: 0.011 \pm 0.000 χ^2 /NDF: 128914.2/22

+ sign 0.011 \pm 0.000 χ^2 /NDF: 532800.8/43

All: 0.011 \pm 0.000 χ^2 /NDF: 1252825.5/87

- sign 0.011 \pm 0.000 χ^2 /NDF: 714106.1/43

yield_bpm0l08Y_mean vs Slug



Right In: -0.118 ± 0.000 $\chi^2/\text{NDF}: 20559613442.8/18$

Left Out: -0.290 ± 0.000 $\chi^2/\text{NDF}: 2877519093.0/24$

Right Out: -0.032 ± 0.000 $\chi^2/\text{NDF}: 33075895611.5/20$

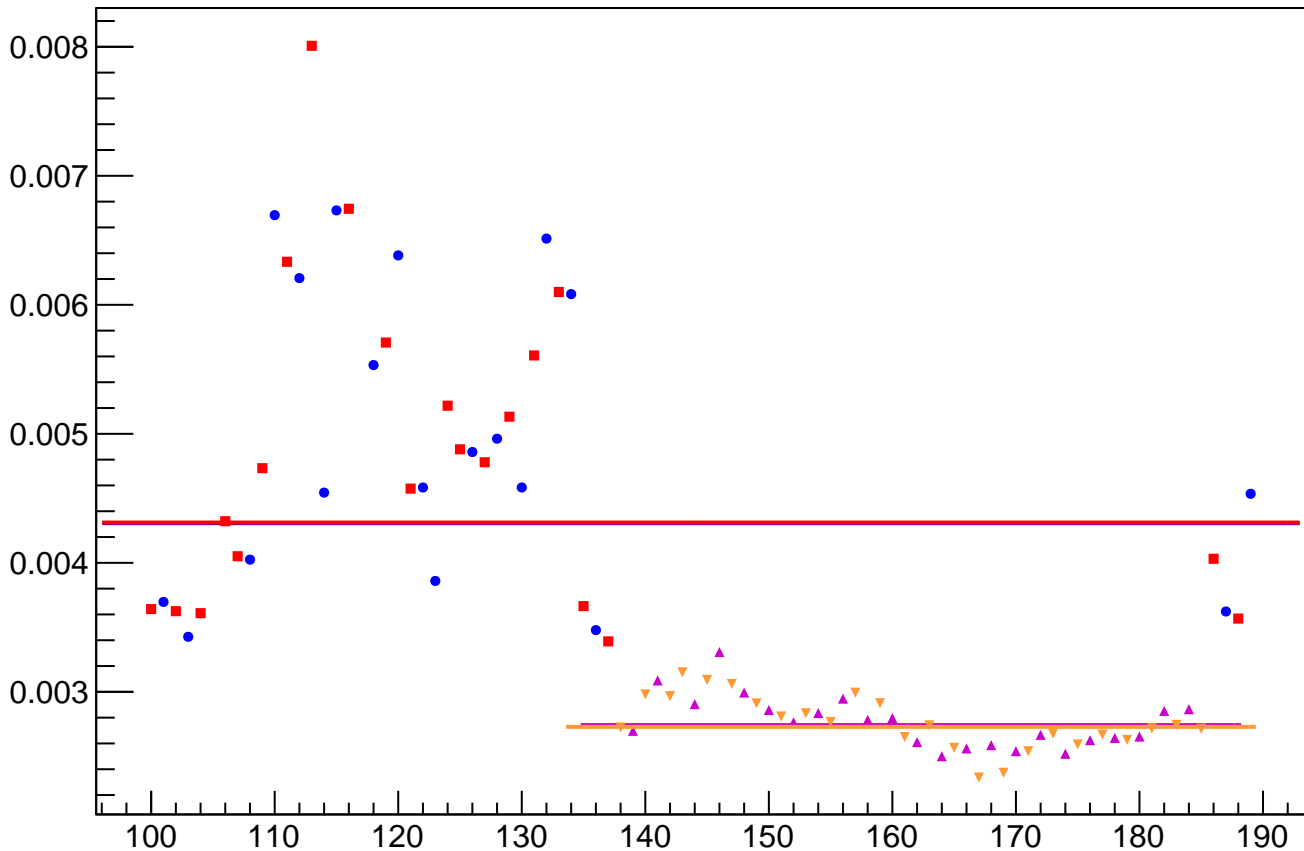
Left In: -0.291 ± 0.000 $\chi^2/\text{NDF}: 3125402243.3/22$

+ sign -0.268 ± 0.000 $\chi^2/\text{NDF}: 32313861059.7/43$

All: -0.260 ± 0.000 $\chi^2/\text{NDF}: 91276443332.4/$

- sign -0.252 ± 0.000 $\chi^2/\text{NDF}: 58592163539.3/43$

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 \pm 0.000 χ^2 /NDF: 629846.4/18

Left Out: 0.003 \pm 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.004 \pm 0.000 χ^2 /NDF: 734963.2/20

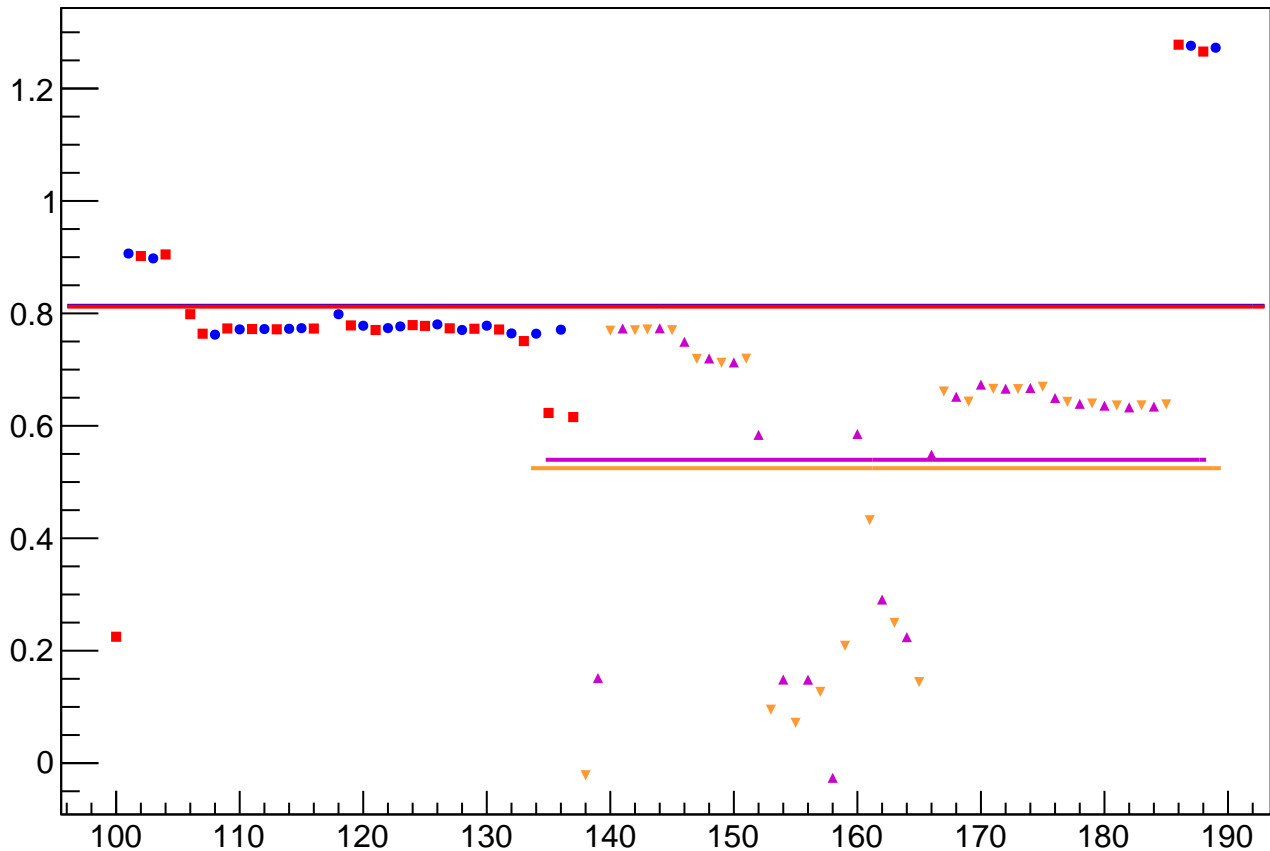
Left In: 0.003 \pm 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 \pm 0.000 χ^2 /NDF: 2331412.2/43

All: 0.003 \pm 0.000 χ^2 /NDF: 4871951.4/87

- sign 0.003 \pm 0.000 χ^2 /NDF: 2533340.7/43

yield_bpm0l09X_mean vs Slug



Right In: 0.813 \pm 0.000 χ^2 /NDF: 694213424.3/18

Left Out: 0.525 \pm 0.000 χ^2 /NDF: 9623503169.9/24

Right Out: 0.812 \pm 0.000 χ^2 /NDF: 1679116087.1/20

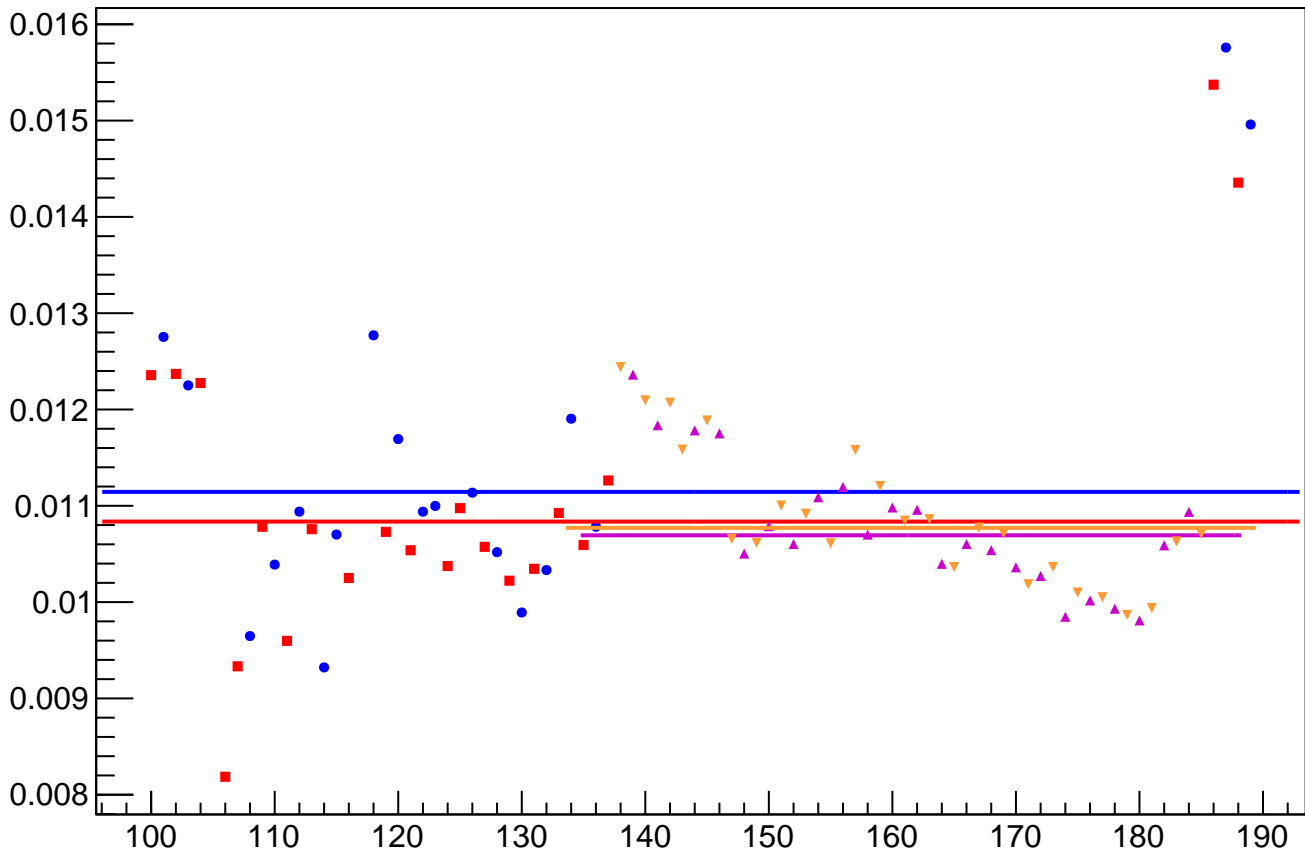
Left In: 0.540 \pm 0.000 χ^2 /NDF: 7860539135.5/22

+ sign 0.602 \pm 0.000 χ^2 /NDF: 13744658474.5/43

All: 0.615 \pm 0.000 χ^2 /NDF: 26794220471.0/8

- sign 0.626 \pm 0.000 χ^2 /NDF: 12989057637.0/43

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 186669.6/18

Left Out: 0.011+/-0.000 χ^2/NDF :131630.9/24

Right Out: 0.011+/-0.000 χ^2/NDF : 300831.6/20

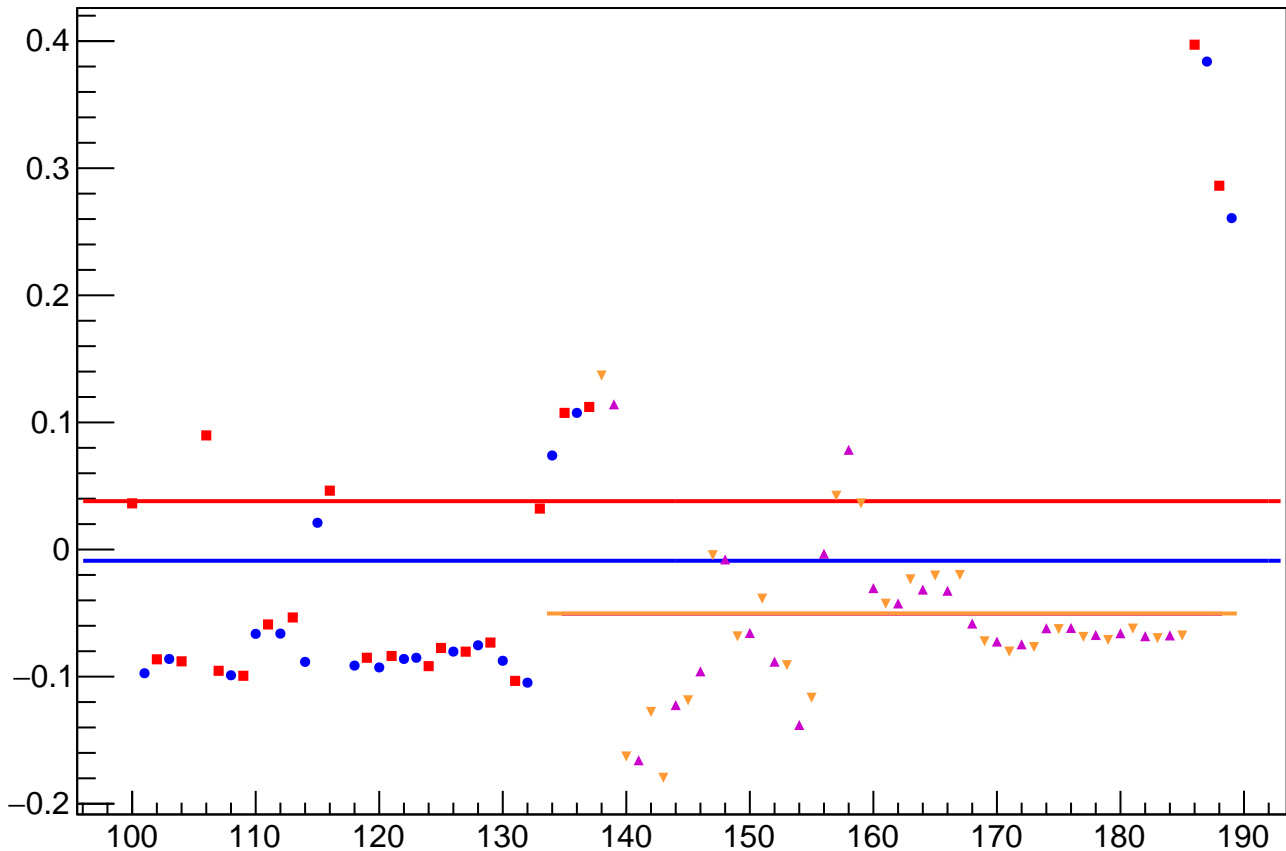
Left In: 0.011+/-0.000 χ^2/NDF :119273.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 329764.5/43

All: 0.011+/-0.000 χ^2/NDF : 755491.3/87

- sign 0.011+/-0.000 χ^2/NDF : 422003.0/43

yield_bpm0l09Y_mean vs Slug



Right In: -0.009 ± 0.000 $\chi^2/\text{NDF}: 4578254303.3/18$

Left Out: -0.050 ± 0.000 $\chi^2/\text{NDF}: 7271496478.6/24$

Right Out: 0.038 ± 0.000 $\chi^2/\text{NDF}: 8943980551.0/20$

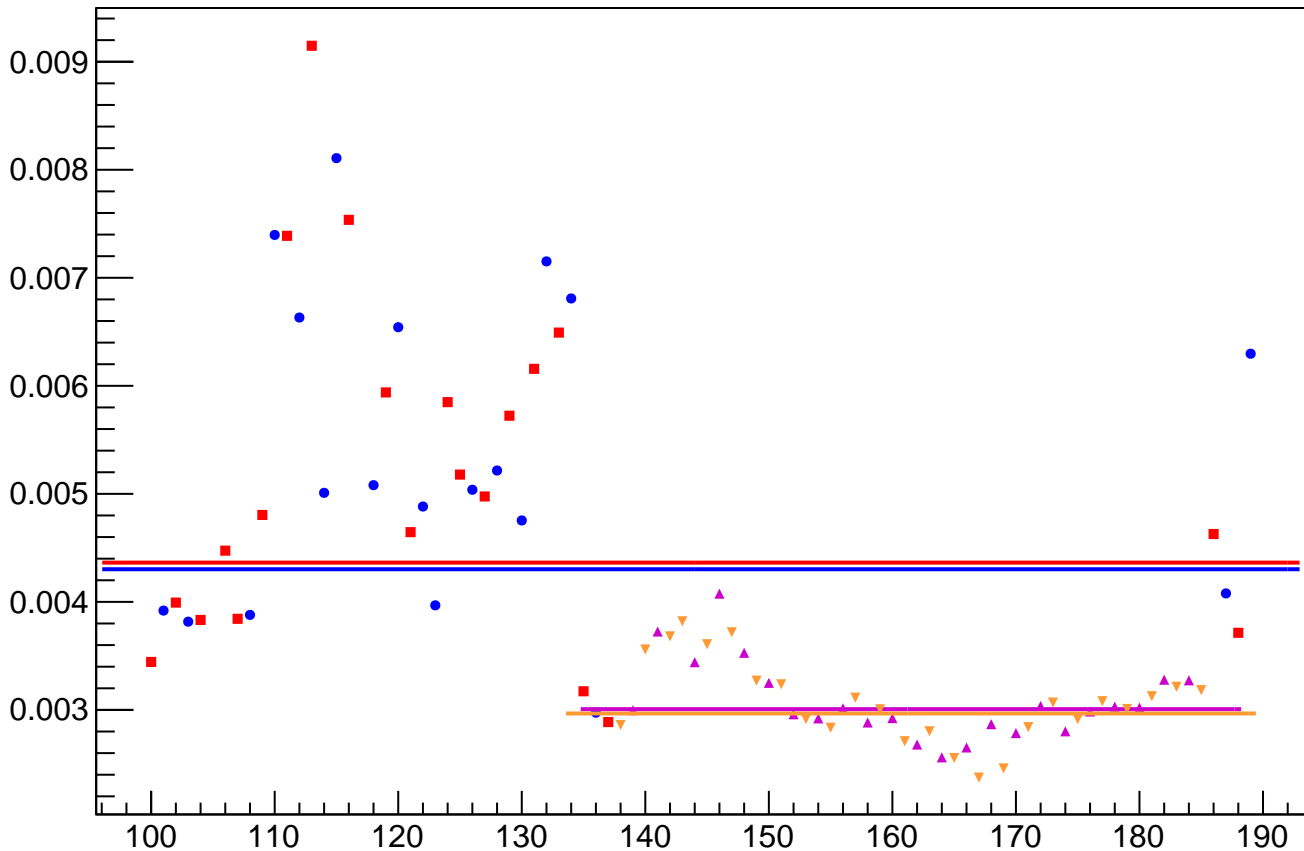
Left In: -0.051 ± 0.000 $\chi^2/\text{NDF}: 6128769990.8/22$

+ sign -0.044 ± 0.000 $\chi^2/\text{NDF}: 12326303612.6/43$

All: -0.040 ± 0.000 $\chi^2/\text{NDF}: 29856703806.2/43$

- sign -0.036 ± 0.000 $\chi^2/\text{NDF}: 17444261308.2/43$

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 \pm 0.000 χ^2 /NDF: 972009.1/18

Left Out: 0.003 \pm 0.000 χ^2 /NDF:499039.1/24

Right Out: 0.004 \pm 0.000 χ^2 /NDF: 1025832.1/20

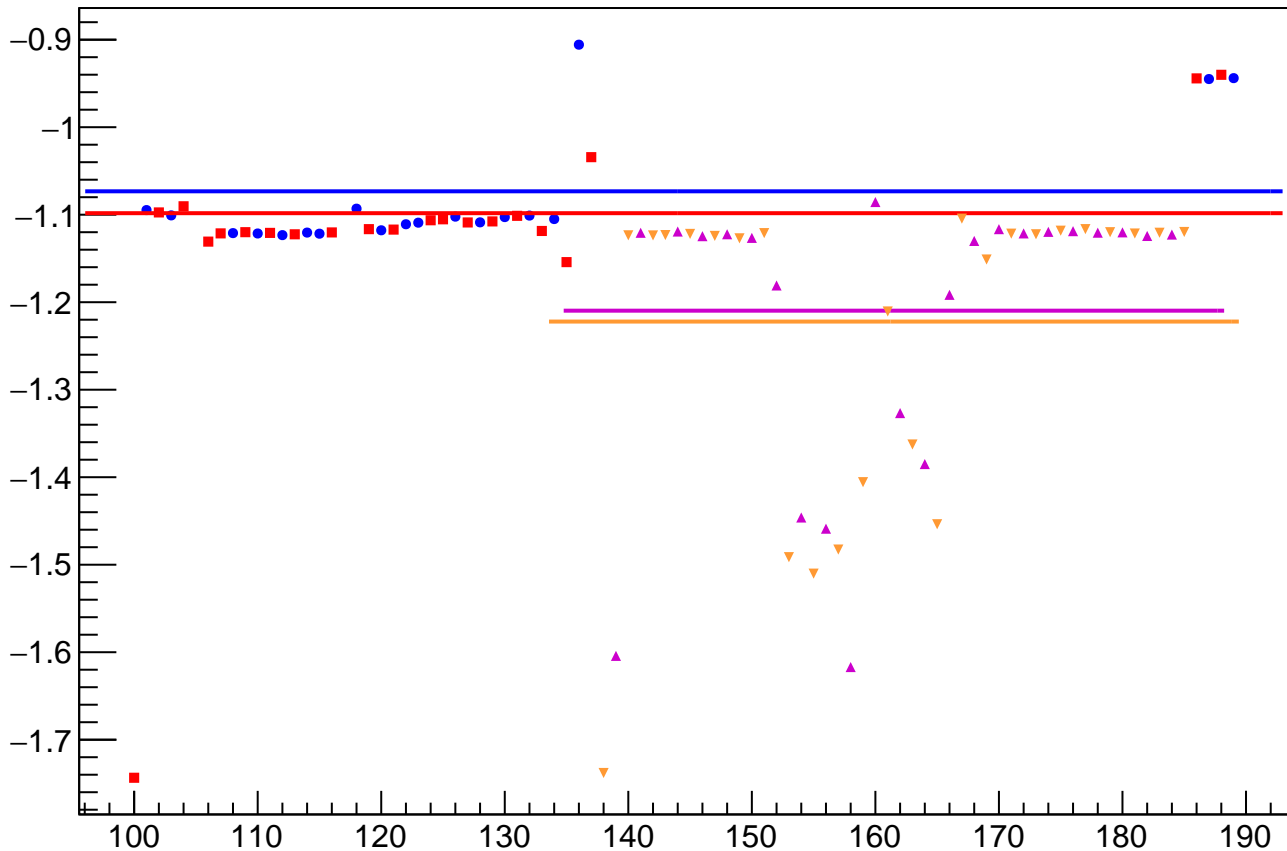
Left In: 0.003 \pm 0.000 χ^2 /NDF:329068.1/22

+ sign 0.003 \pm 0.000 χ^2 /NDF: 2458792.1/43

All: 0.003 \pm 0.000 χ^2 /NDF: 4938205.8/87

- sign 0.003 \pm 0.000 χ^2 /NDF: 2465555.6/43

yield_bpm0l10X_mean vs Slug



Right In: -1.073 ± 0.000 $\chi^2/\text{NDF}: 263774295.7/18$

Left Out: -1.222 ± 0.000 $\chi^2/\text{NDF}: 5279548861.3/24$

Right Out: -1.098 ± 0.000 $\chi^2/\text{NDF}: 428599784.7/20$

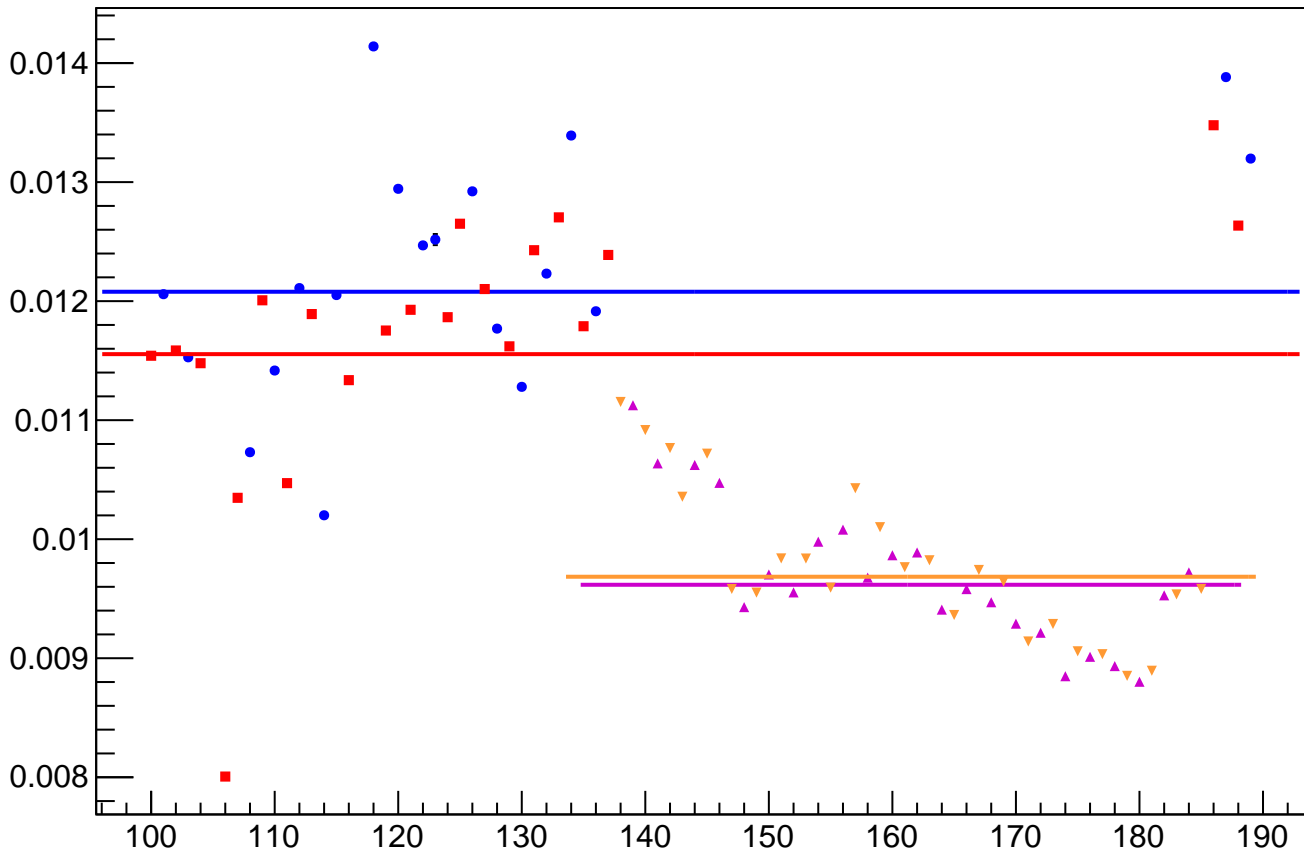
Left In: -1.210 ± 0.000 $\chi^2/\text{NDF}: 4502367902.8/22$

+ sign -1.192 ± 0.000 $\chi^2/\text{NDF}: 6392872692.5/43$

All: -1.187 ± 0.000 $\chi^2/\text{NDF}: 11896711350.7/43$

- sign -1.182 ± 0.000 $\chi^2/\text{NDF}: 5491682005.2/43$

yield_bpm0l10X_rms vs Slug



Right In: 0.012 \pm 0.000 χ^2 /NDF: 71014.4/18

Left Out: 0.010 \pm 0.000 χ^2 /NDF:134863.6/24

Right Out: 0.012 \pm 0.000 χ^2 /NDF: 183547.5/20

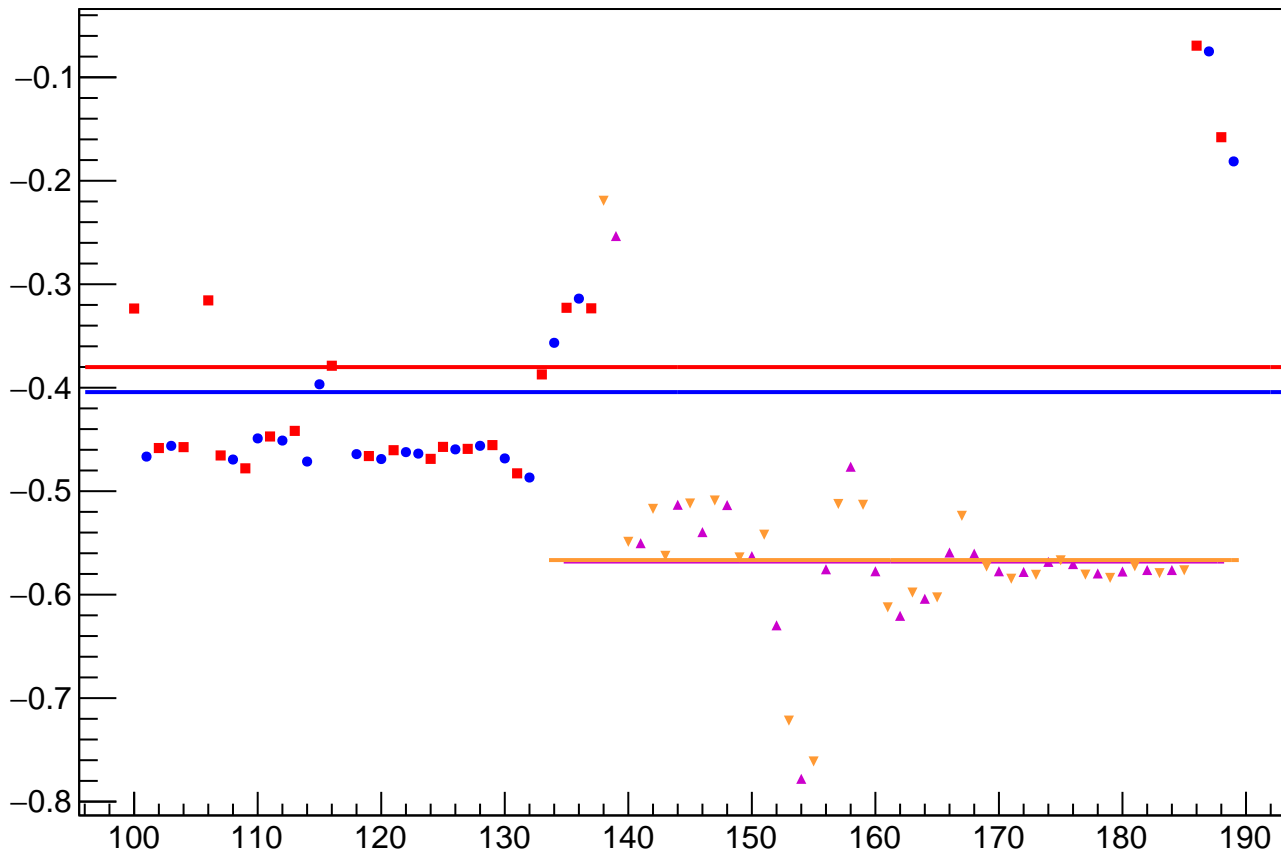
Left In: 0.010 \pm 0.000 χ^2 /NDF:119823.1/22

+ sign 0.010 \pm 0.000 χ^2 /NDF: 645473.5/43

All: 0.010 \pm 0.000 χ^2 /NDF: 1289200.9/87

- sign 0.010 \pm 0.000 χ^2 /NDF: 642576.7/43

yield_bpm0l10Y_mean vs Slug



Right In: -0.404 ± 0.000 χ^2/NDF : 3641344613.3/18

Left Out: -0.567 ± 0.000 χ^2/NDF : 13368458519.3/24

Right Out: -0.380 ± 0.000 χ^2/NDF : 6659197113.9/20

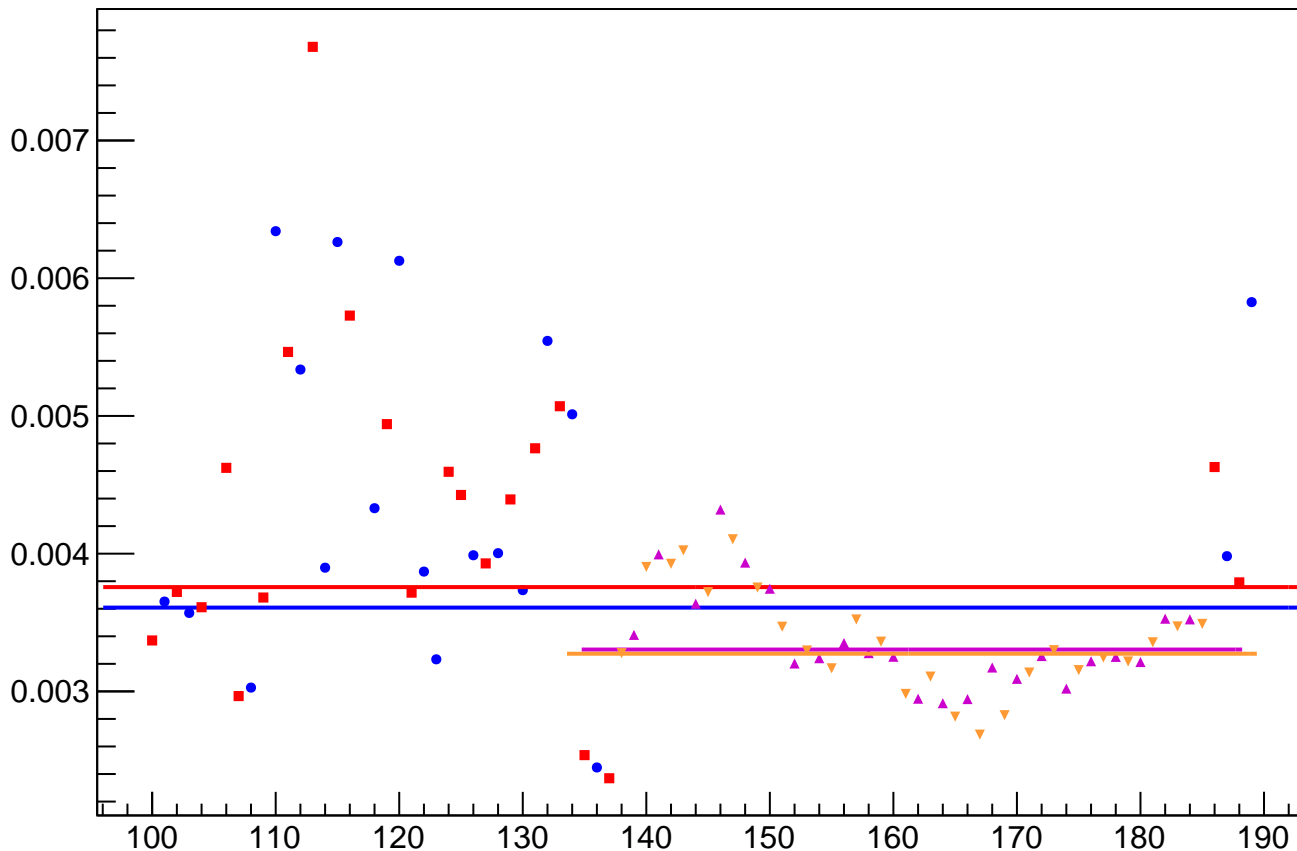
Left In: -0.568 ± 0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.531 ± 0.000 χ^2/NDF : 26356101549.6/43

All: -0.526 ± 0.000 χ^2/NDF : 56652261333.8/43

- sign -0.521 ± 0.000 χ^2/NDF : 30201017692.1/43

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 \pm 0.000 χ^2 /NDF: 970225.2/18

Left Out: 0.003 \pm 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 \pm 0.000 χ^2 /NDF: 910918.7/20

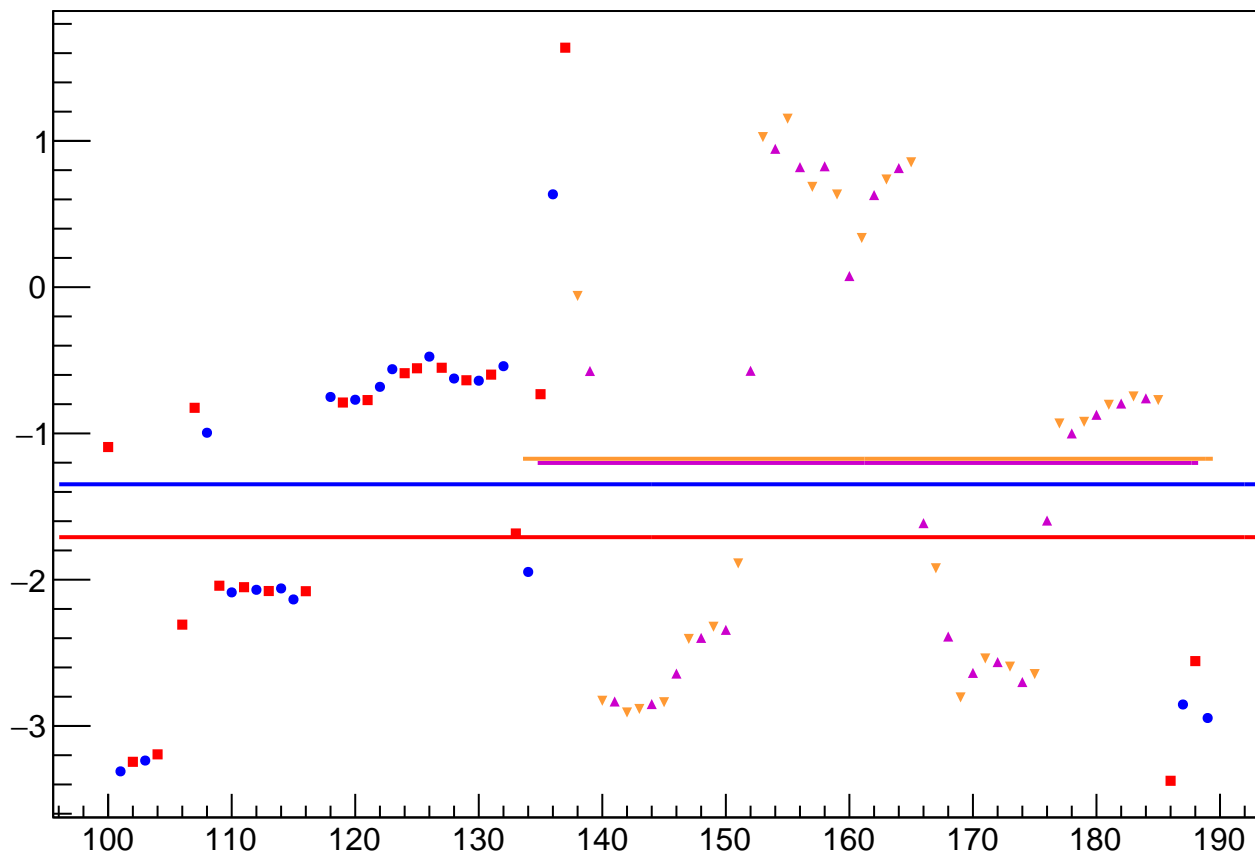
Left In: 0.003 \pm 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 \pm 0.000 χ^2 /NDF: 1444645.5/43

All: 0.003 \pm 0.000 χ^2 /NDF: 2803760.4/87

- sign 0.003 \pm 0.000 χ^2 /NDF: 1349316.7/43

yield_bpm0r03X_mean vs Slug



Right In: -1.348 ± 0.000 $\chi^2/\text{NDF}: 2289584044.9/18$

Left Out: -1.173 ± 0.000 $\chi^2/\text{NDF}: 6882684653.2/24$

Right Out: -1.709 ± 0.000 $\chi^2/\text{NDF}: 2061167680.7/20$

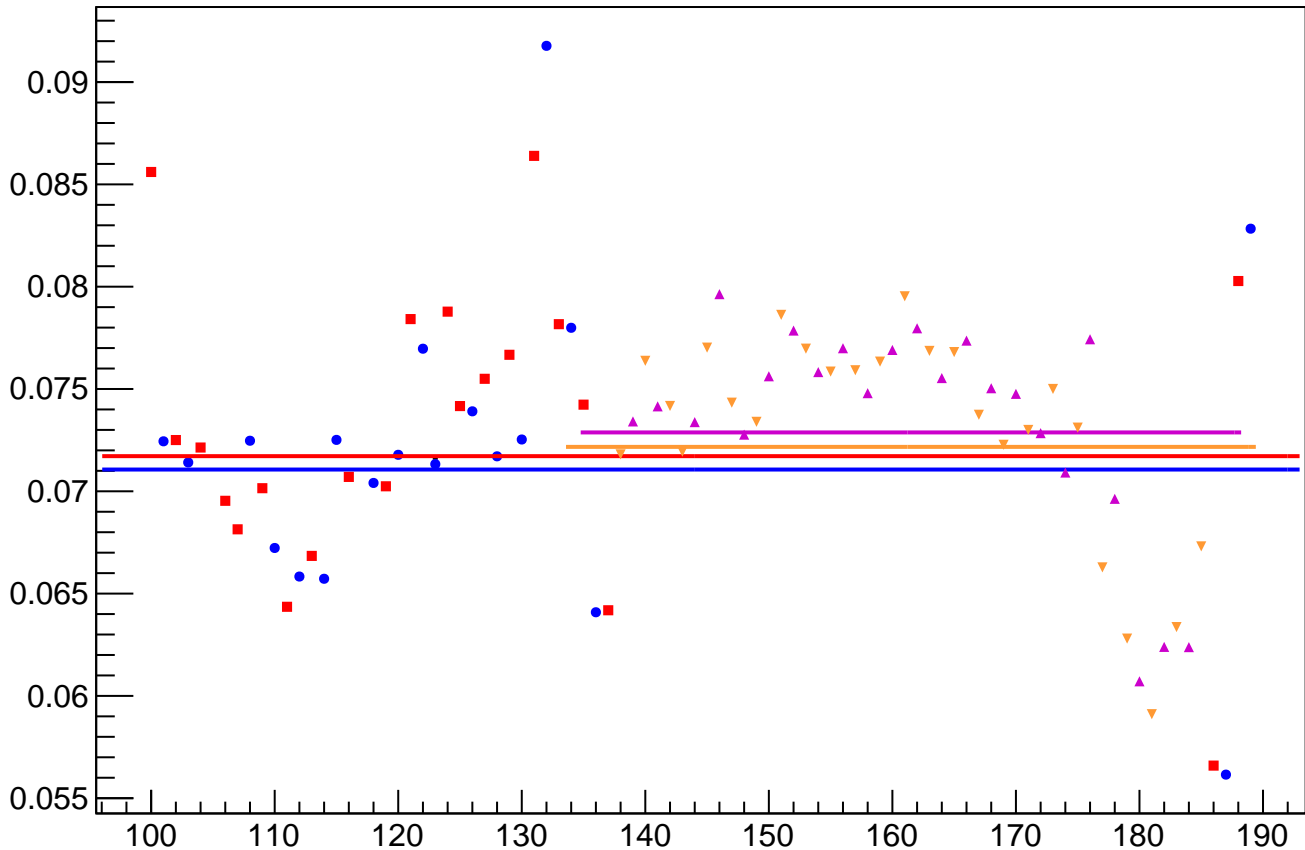
Left In: -1.202 ± 0.000 $\chi^2/\text{NDF}: 5606782515.9/22$

+ sign -1.224 ± 0.000 $\chi^2/\text{NDF}: 9202841166.9/43$

All: -1.296 ± 0.000 $\chi^2/\text{NDF}: 17194882539.4/$

- sign -1.370 ± 0.000 $\chi^2/\text{NDF}: 7940464031.3/43$

yield_bpm0r03X_rms vs Slug



Right In: 0.071 \pm 0.000 χ^2 /NDF: 115776.6/18

Left Out: 0.072 \pm 0.000 χ^2 /NDF:222263.8/24

Right Out: 0.072 \pm 0.000 χ^2 /NDF: 141768.7/20

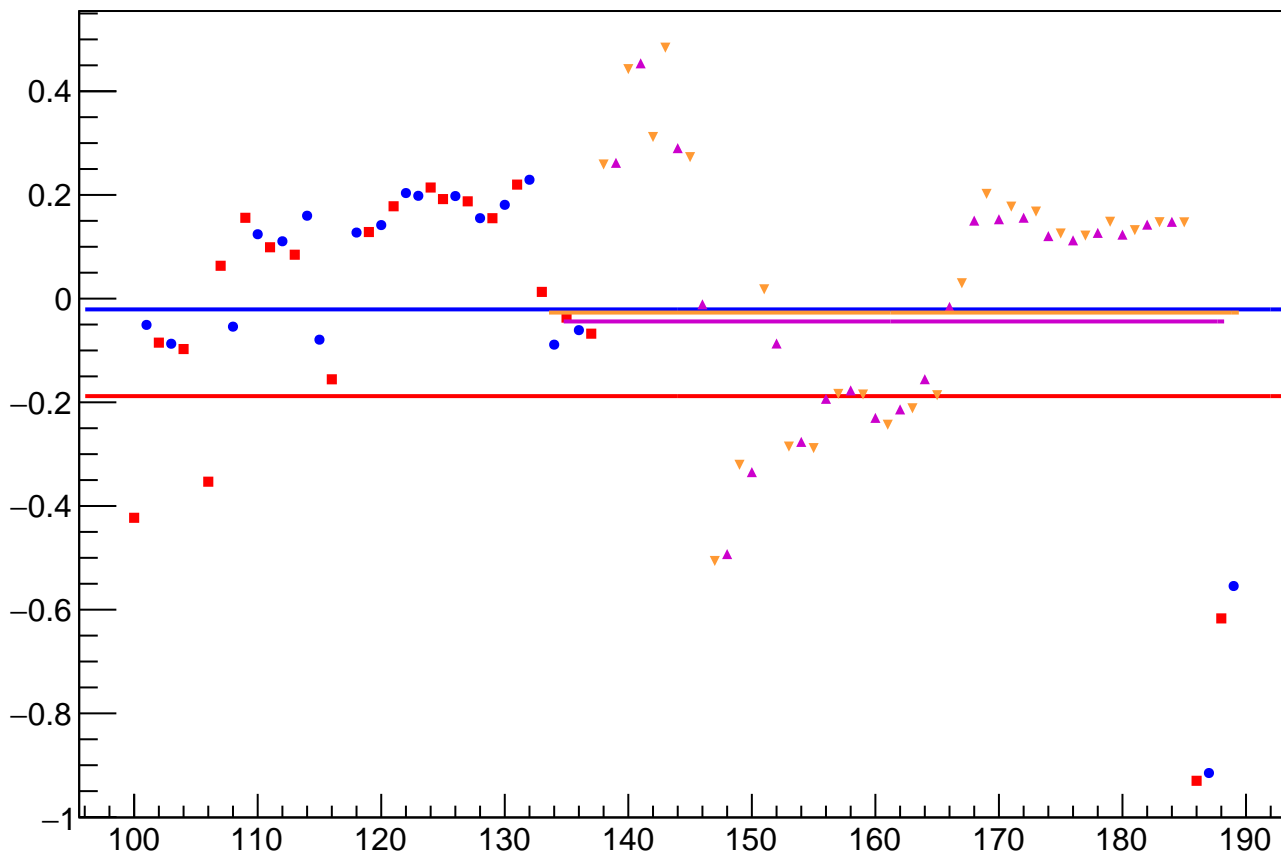
Left In: 0.073 \pm 0.000 χ^2 /NDF:183503.0/22

+ sign 0.072 \pm 0.000 χ^2 /NDF: 340502.3/43

All: 0.072 \pm 0.000 χ^2 /NDF: 670614.7/87

- sign 0.072 \pm 0.000 χ^2 /NDF: 328117.0/43

yield_bpm0r03Y_mean vs Slug



Right In: -0.021 ± 0.000 $\chi^2/\text{NDF}: 2225906586.6/18$

Left Out: -0.027 ± 0.000 $\chi^2/\text{NDF}: 20376761328.6/24$

Right Out: -0.188 ± 0.000 $\chi^2/\text{NDF}: 6774192768.4/20$

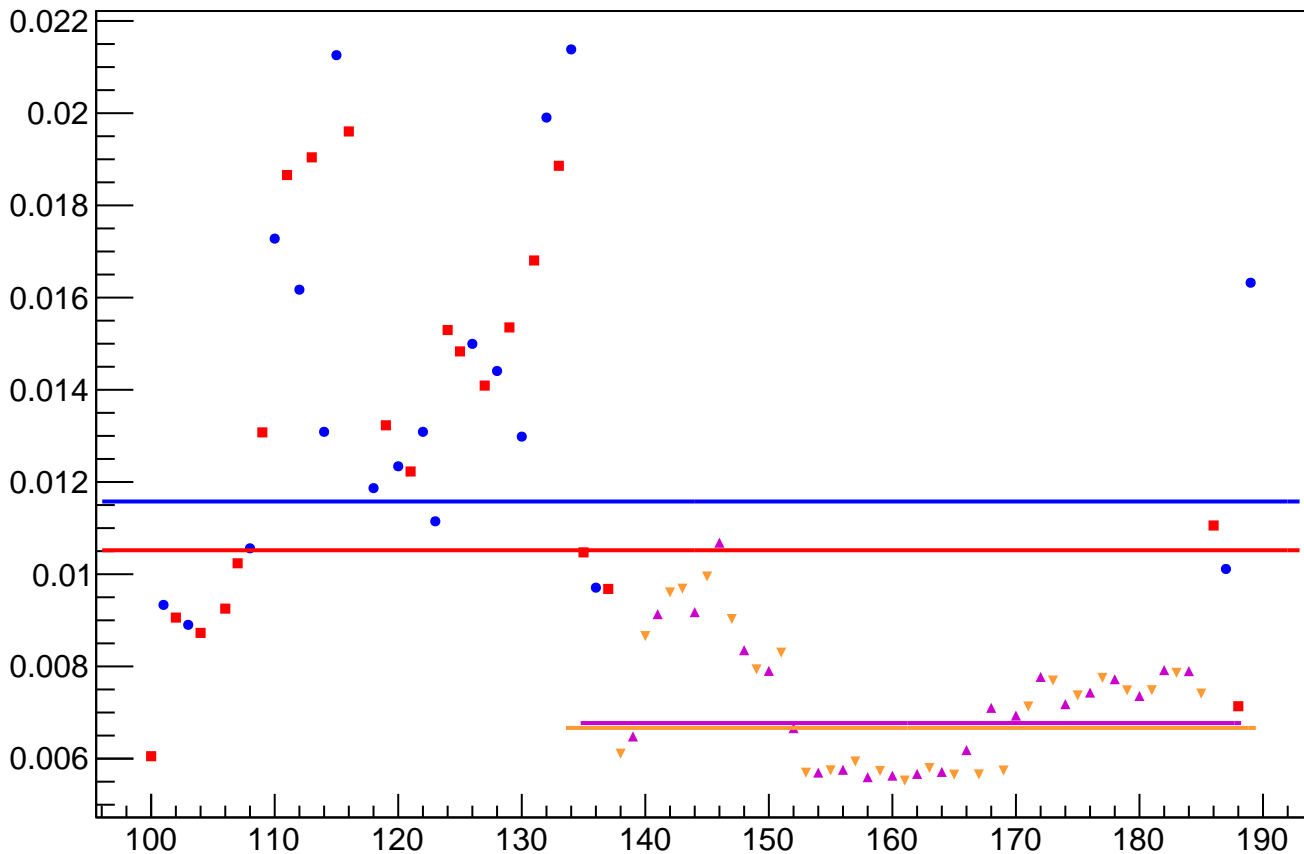
Left In: -0.044 ± 0.000 $\chi^2/\text{NDF}: 15718556282.1/22$

+ sign -0.026 ± 0.000 $\chi^2/\text{NDF}: 22604223044.0/43$

All: -0.046 ± 0.000 $\chi^2/\text{NDF}: 46498179306.9/100$

- sign -0.066 ± 0.000 $\chi^2/\text{NDF}: 23569960123.4/43$

yield_bpm0r03Y_rms vs Slug



Right In: 0.012 \pm 0.000 χ^2 /NDF: 756290.5/18

Left Out: 0.007 \pm 0.000 χ^2 /NDF:1143768.6/24

Right Out: 0.011 \pm 0.000 χ^2 /NDF: 1398023.3/20

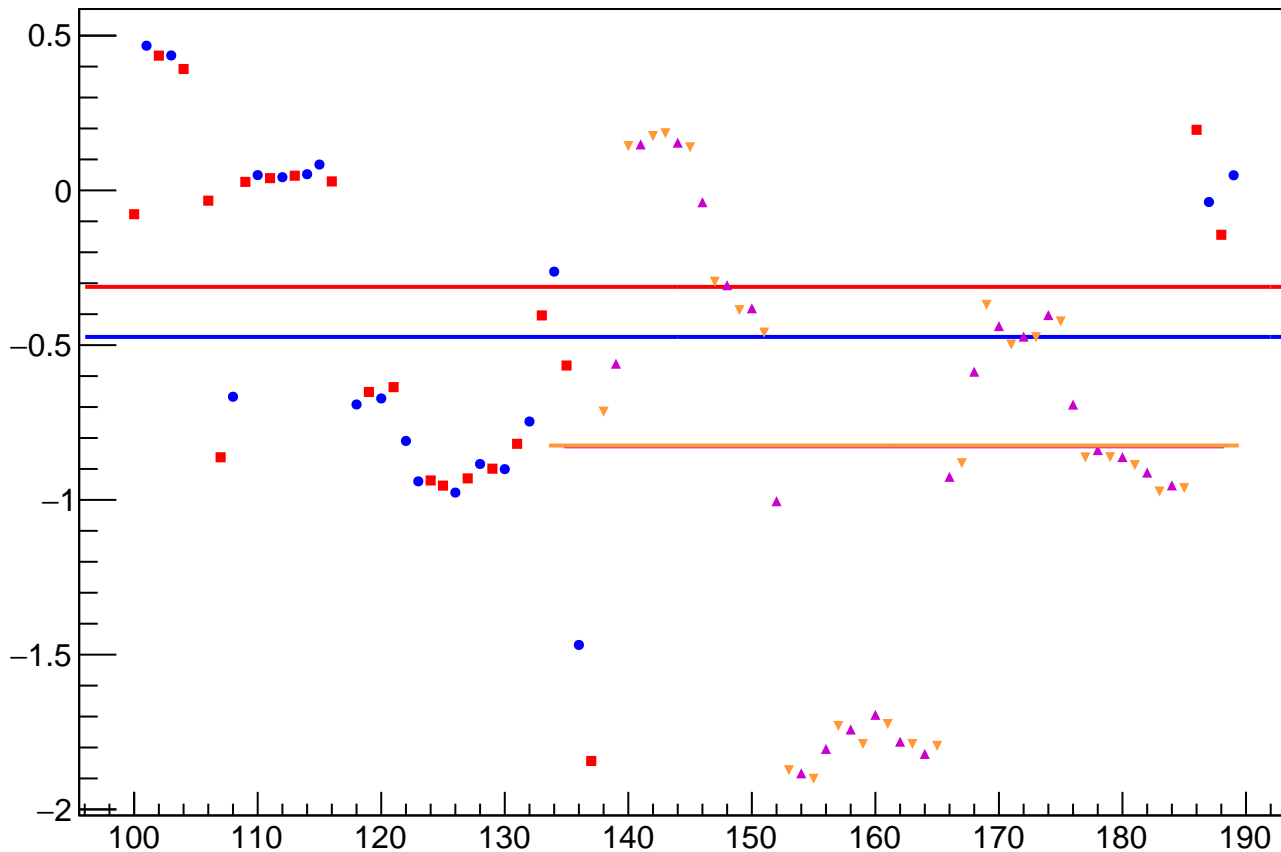
Left In: 0.007 \pm 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 \pm 0.000 χ^2 /NDF: 3908919.7/43

All: 0.007 \pm 0.000 χ^2 /NDF: 7706823.3/87

- sign 0.007 \pm 0.000 χ^2 /NDF: 3791050.4/43

yield_bpm0r05X_mean vs Slug



Right In: -0.473 ± 0.000 χ^2/NDF : 359575656.5/18

Left Out: -0.824 ± 0.000 χ^2/NDF : 1103610806.5/24

Right Out: -0.312 ± 0.000 χ^2/NDF : 297116032.8/20

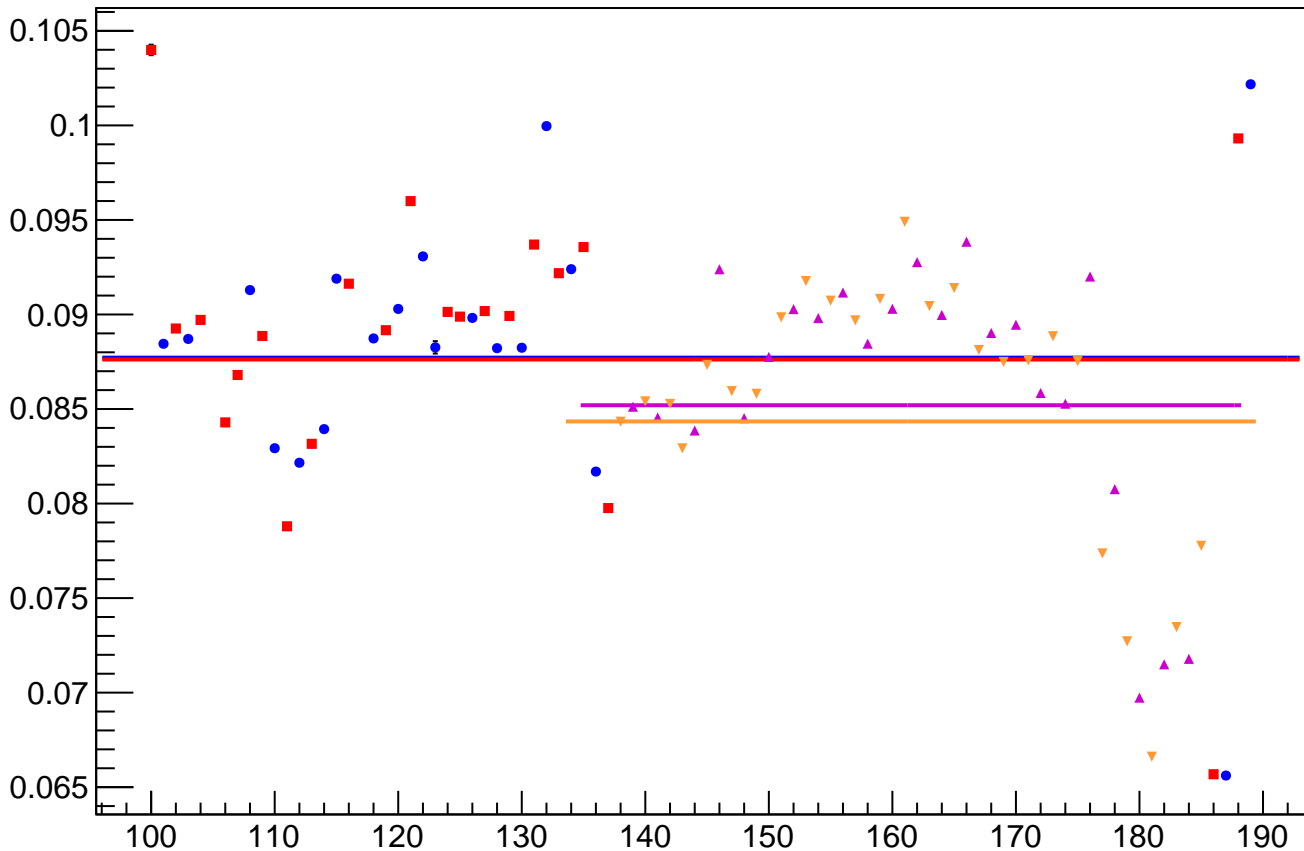
Left In: -0.827 ± 0.000 χ^2/NDF : 921651117.3/22

+ sign -0.730 ± 0.000 χ^2/NDF : 1548019570.0/43

All: -0.698 ± 0.000 χ^2/NDF : 2970389840.6/8

- sign -0.665 ± 0.000 χ^2/NDF : 1415194319.1/43

yield_bpm0r05X_rms vs Slug



Right In: 0.088 \pm 0.000 χ^2 /NDF: 87975.0/18

Left Out: 0.084 \pm 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.088 \pm 0.000 χ^2 /NDF: 149974.2/20

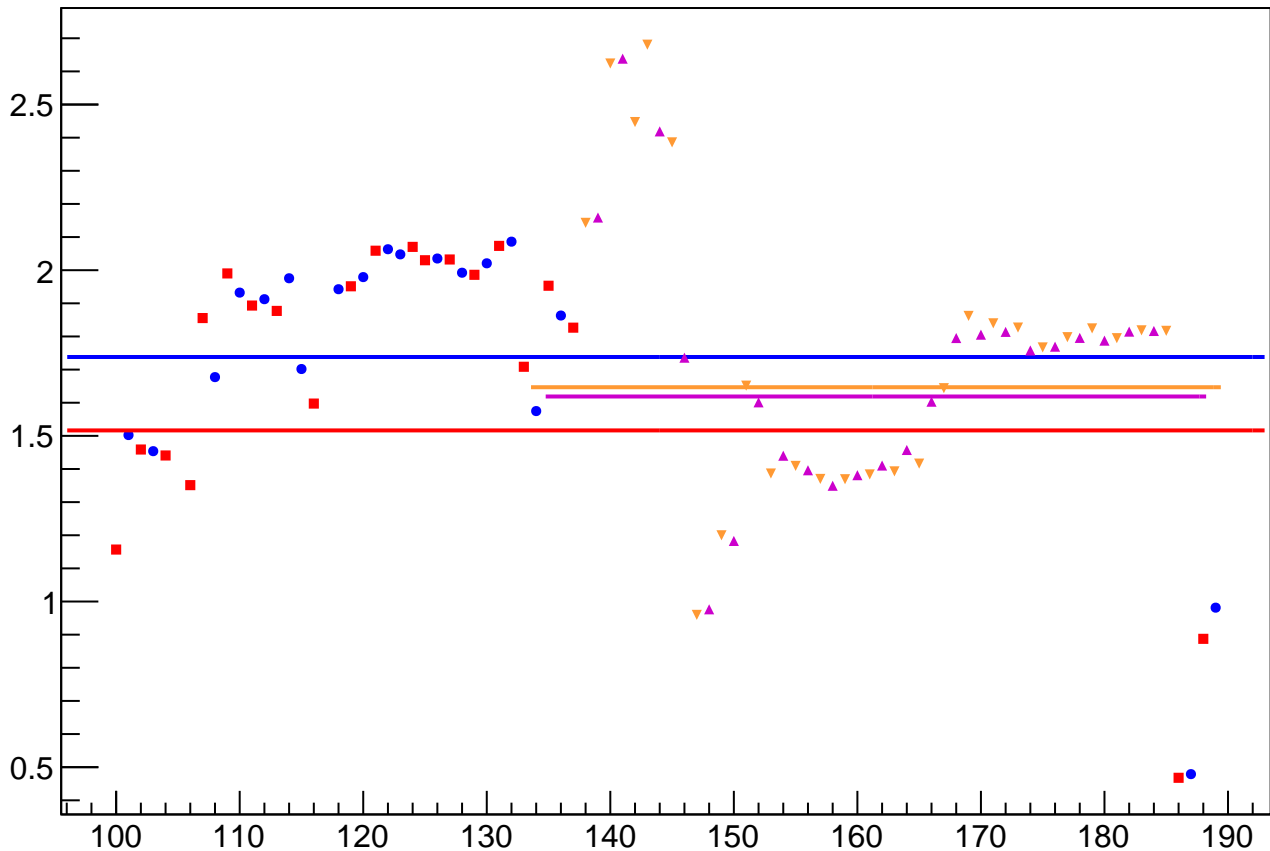
Left In: 0.085 \pm 0.000 χ^2 /NDF:238313.9/22

+ sign 0.085 \pm 0.000 χ^2 /NDF: 391981.0/43

All: 0.086 \pm 0.000 χ^2 /NDF: 790658.4/87

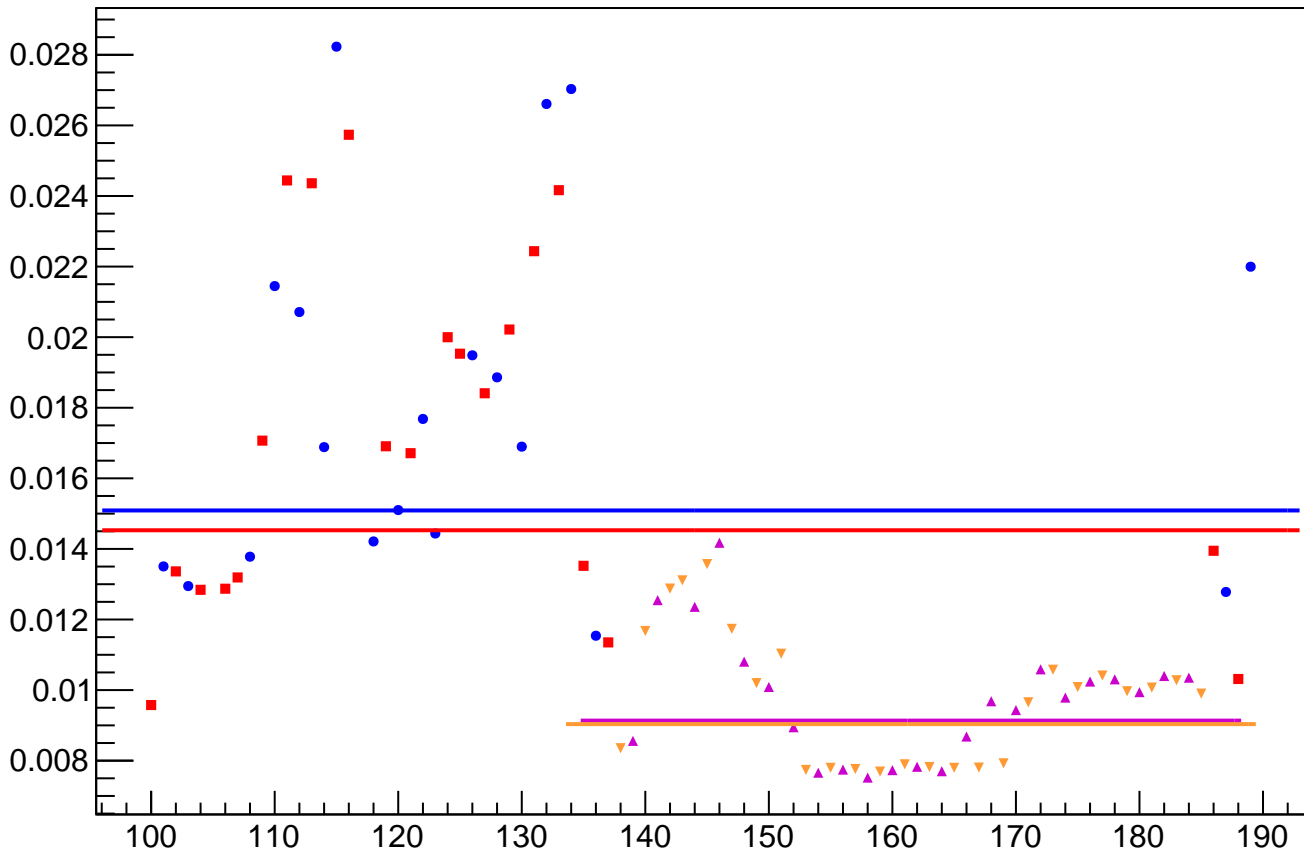
- sign 0.086 \pm 0.000 χ^2 /NDF: 396951.1/43

yield_bpm0r05Y_mean vs Slug



Right In: 1.738+/-0.000	χ^2/NDF : 3065736895.3/18	+ sign 1.657+/-0.000	χ^2/NDF : 29803241145.4/43
Left Out: 1.647+/-0.000	χ^2/NDF : 26535241545.7/24	All: 1.631+/-0.000	χ^2/NDF : 58870887273.4/8
Right Out: 1.516+/-0.000	χ^2/NDF : 7825919726.1/20	- sign 1.604+/-0.000	χ^2/NDF : 28737623234.8/43
Left In: 1.619+/-0.000	χ^2/NDF : 20618198188.1/22		

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 736373.0/18

Left Out: 0.009+/-0.000 χ^2/NDF :1042871.8/24

Right Out: 0.015+/-0.000 χ^2/NDF : 1086975.4/20

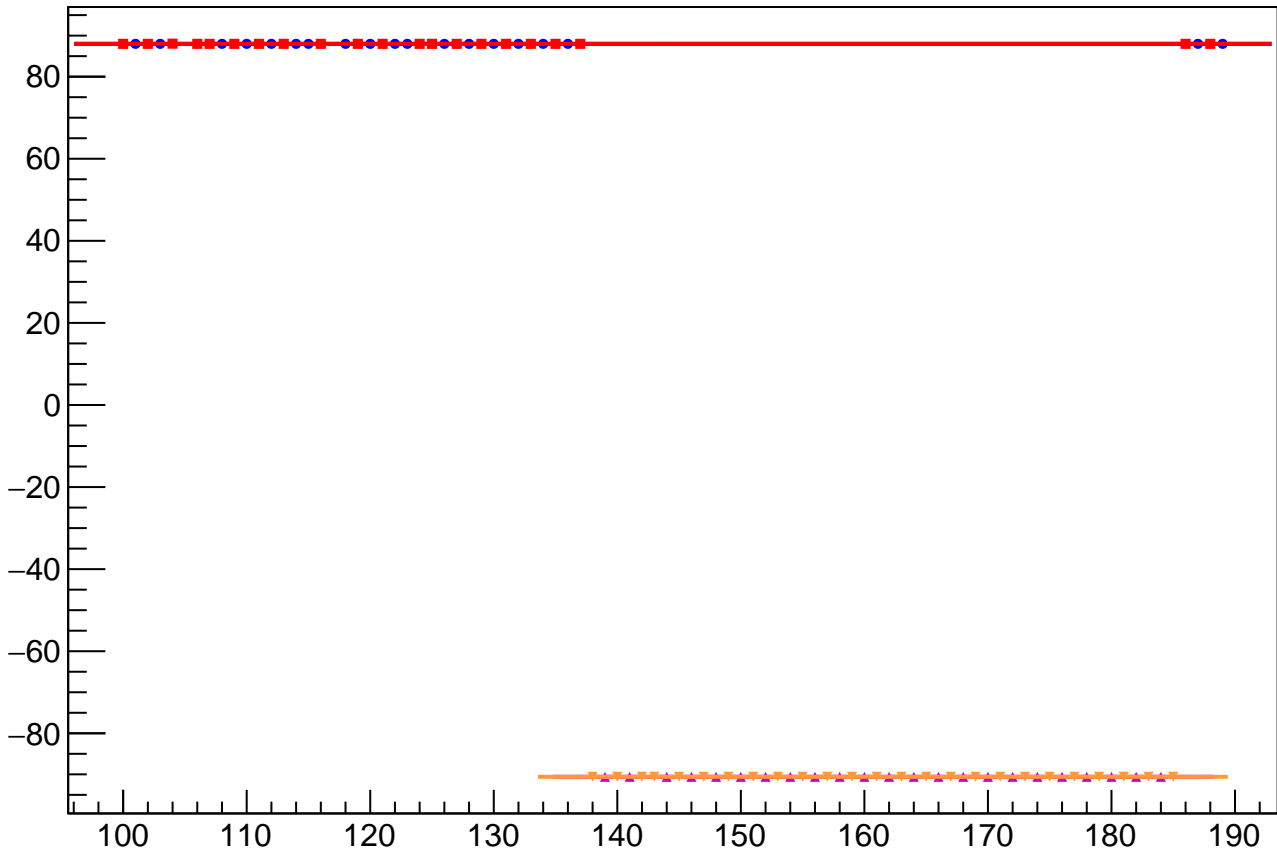
Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3560122.9/43

All: 0.010+/-0.000 χ^2/NDF : 7162219.9/87

- sign 0.010+/-0.000 χ^2/NDF : 3594545.8/43

epics_VWienAngles_mean vs Slug



Right In: 88.001+/-0.000 χ^2 /NDF: 1908412.3/18

Left Out: -90.599+/-0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.003+/-0.000 χ^2 /NDF: 78445204496693473660475801600.0/20

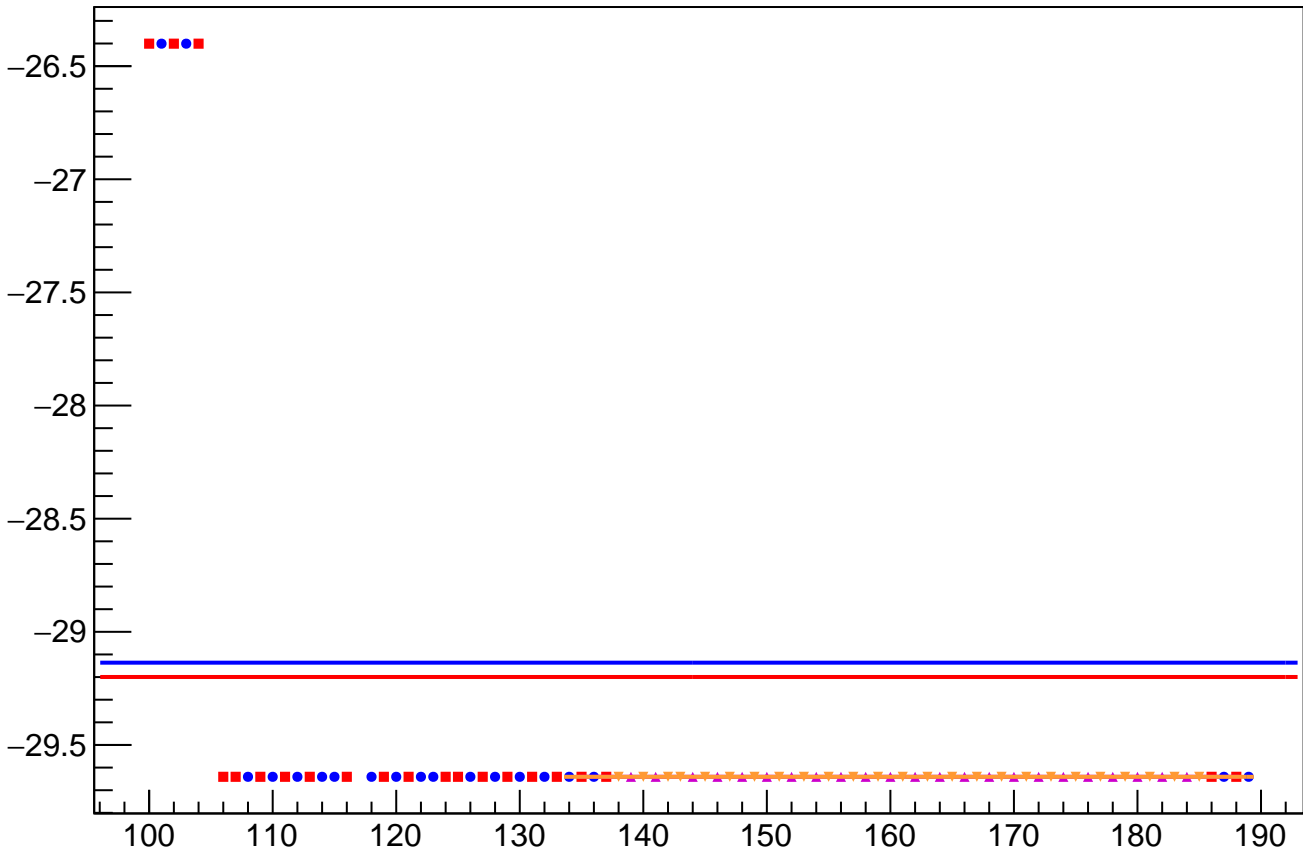
Left In: -90.599+/-0.000 χ^2 /NDF: 7134230.8/22

+ sign -39.762+/-0.000 χ^2 /NDF: 172964082840405

All: -36.457+/-0.000 χ^2 /NDF: 357880306877

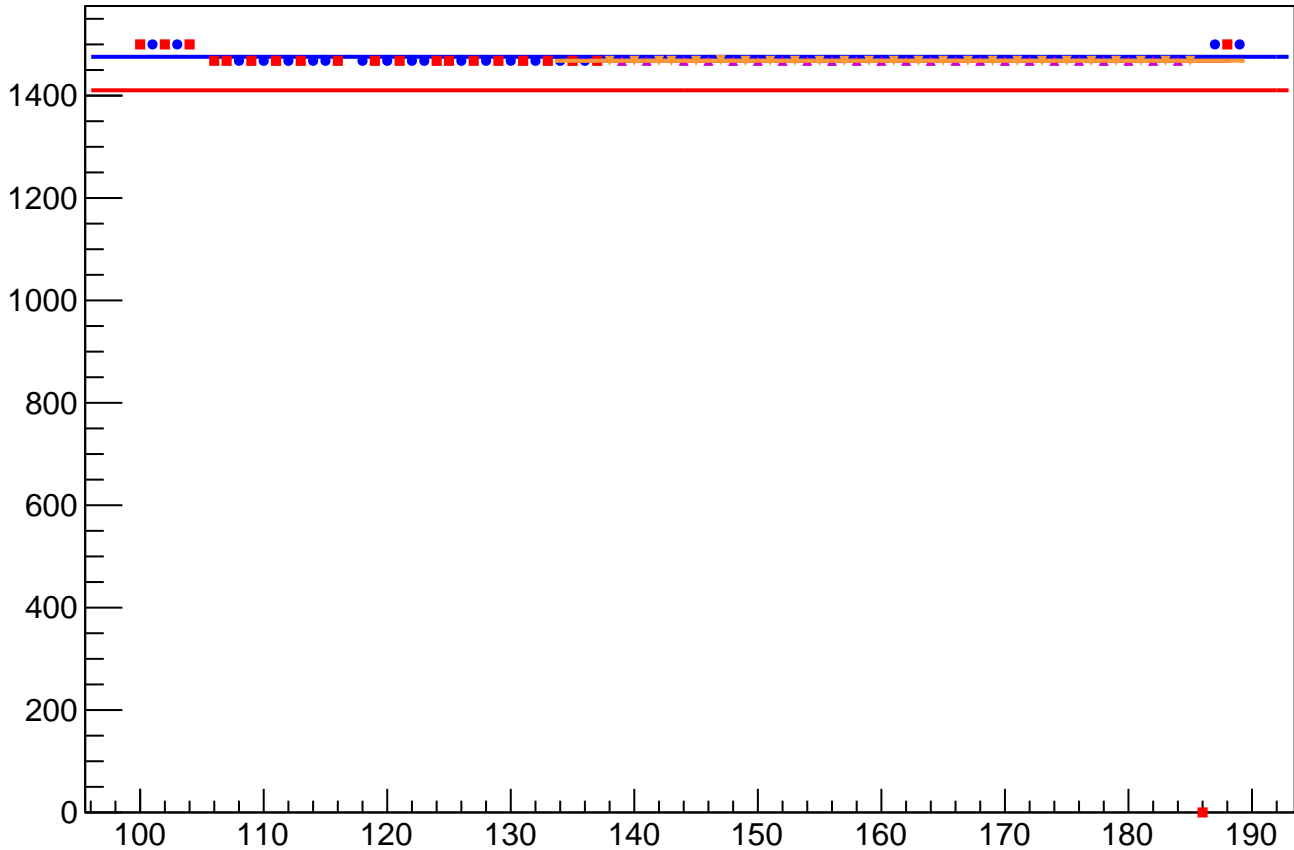
- sign -33.134+/-0.000 χ^2 /NDF: 1843328052129135

epics_HWienAngles_mean vs Slug



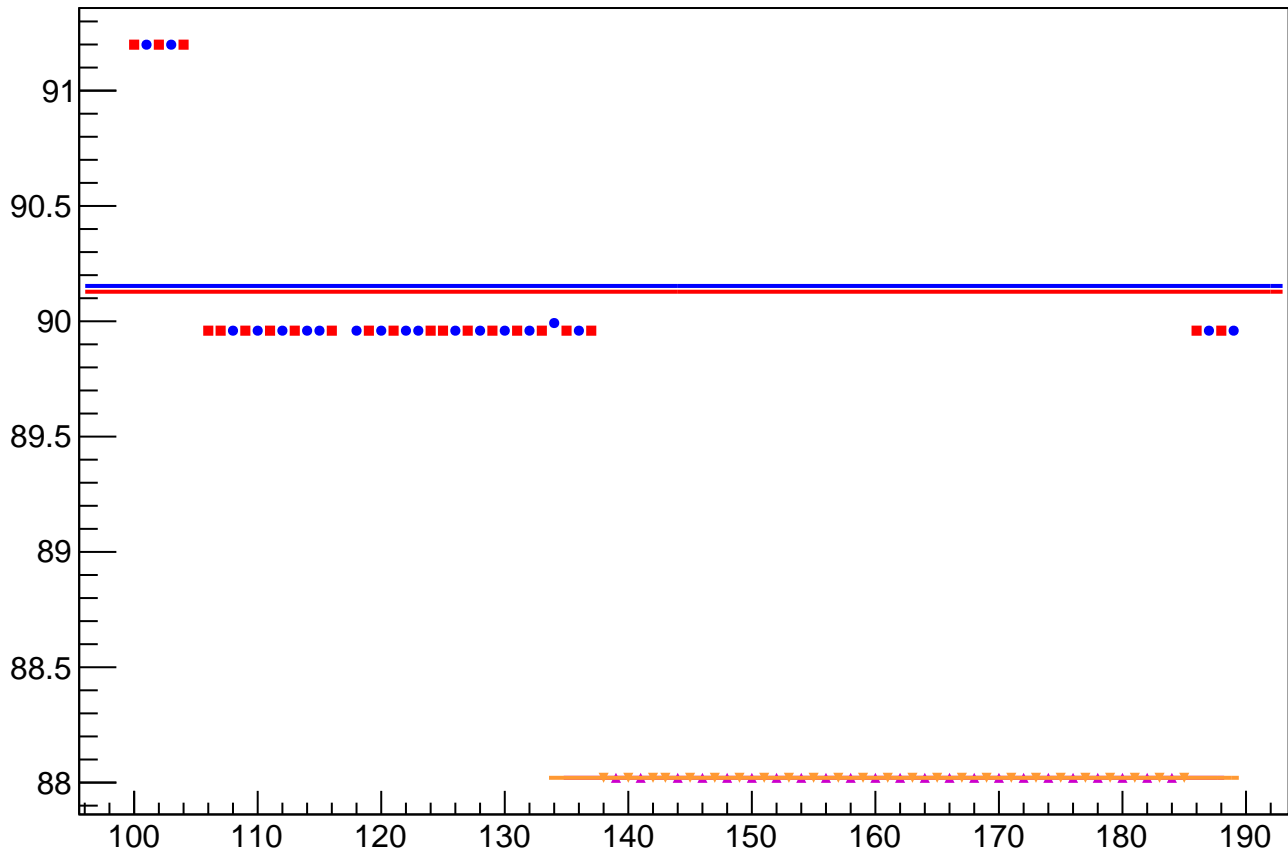
Right In: -29.136 ± 0.000 $\chi^2/\text{NDF}: 1045882258575210691666098169839616.0/18$
 Left Out: -29.641 ± 0.000 $\chi^2/\text{NDF}: 530354.3/24$ + sign -29.497 ± 0.000 $\chi^2/\text{NDF}: 118382810965075$
 Right Out: -29.200 ± 0.000 $\chi^2/\text{NDF}: 1051928518309862907977712074227712.0/20$ All: -29.498 ± 0.000 $\chi^2/\text{NDF}: 234820895439$
 Left In: -29.641 ± 0.000 $\chi^2/\text{NDF}: 382603.8/22$ - sign -29.499 ± 0.000 $\chi^2/\text{NDF}: 1164377300302090$

epics_psub_pl_poss_mean vs Slug



Right In: 1475.795+/-0.000 χ^2 /NDF: 143396300032192981544873035586076672.0/18
+ sign 1470.253+/-0.000 χ^2 /NDF: 17606446278646
Left Out: 1468.048+/-0.000 χ^2 /NDF: 127949199501977668488138456039424.0/24
All: 1459.887+/-0.000 χ^2 /NDF: 81944928932
Right Out: 1410.399+/-0.000 χ^2 /NDF: 79278091991577071825344578947307798528.0/20
- sign 1449.463+/-0.000 χ^2 /NDF: 81194960762219
Left In: 1467.994+/-0.000 χ^2 /NDF: 14449772795444989723550941184.0/22

epics_Phi_FGs_mean vs Slug



Right In: 90.153+/-0.000 χ^2 /NDF: 152946379362838606207114186588160.0/18

Left Out: 88.021+/-0.000 χ^2 /NDF: 5679798.5/24

Right Out: 90.128+/-0.000 χ^2 /NDF: 154077626291112554148546356445184.0/20

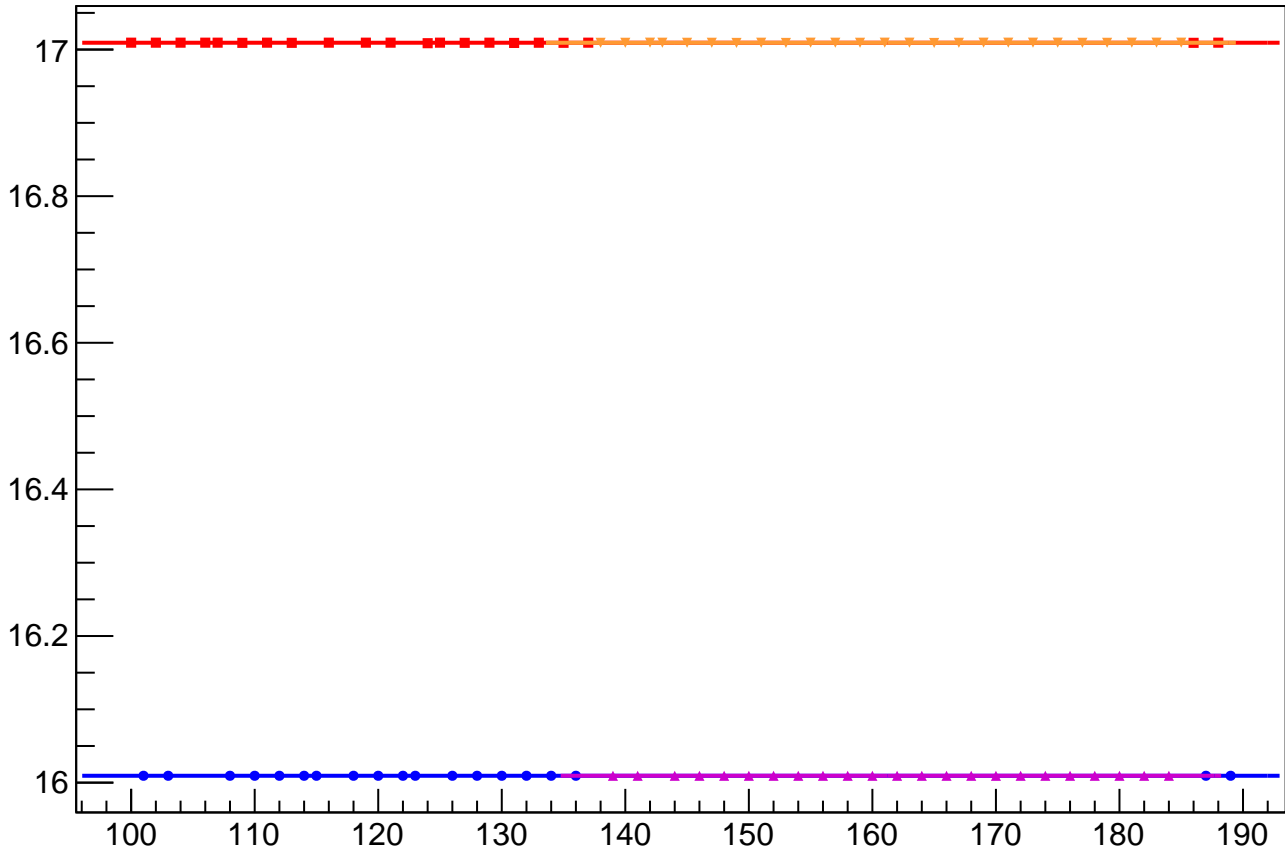
Left In: 88.021+/-0.000 χ^2 /NDF: 6257169.0/22

+ sign 88.628+/-0.000 χ^2 /NDF: 2618922581441417

All: 88.663+/-0.000 χ^2 /NDF: 534613843416

- sign 88.699+/-0.000 χ^2 /NDF: 2720511967415070

epics_IGL1100DI24_24Ms_mean vs Slug



Right In: 16.009 \pm 0.000 χ^2 /NDF: 57164.0/18

Left Out: 17.009 \pm 0.000

+ sign 16.718 \pm 0.000 χ^2 /NDF: 5147190527964031

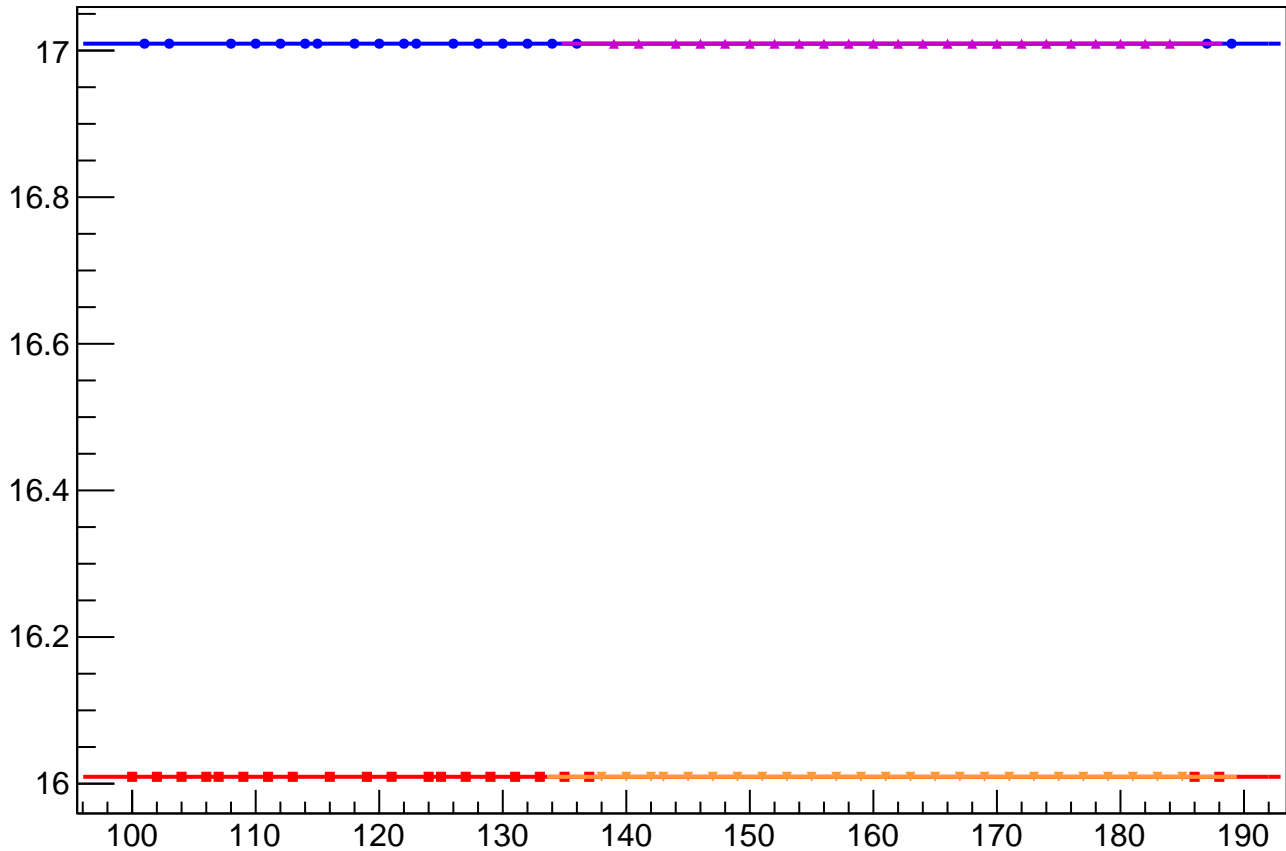
Right Out: 17.009 \pm 0.000

- sign 16.329 \pm 0.000 χ^2 /NDF: 5336978442718988

Left In: 16.009 \pm 0.000

All: 16.526 \pm 0.000 χ^2 /NDF: 1235691424954

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 \pm 0.000 χ^2 /NDF: 120007.8/18

Left Out: 16.009 \pm 0.000 χ^2 /NDF: 61253.5/24

Right Out: 16.009 \pm 0.000 χ^2 /NDF: 210405.0/20

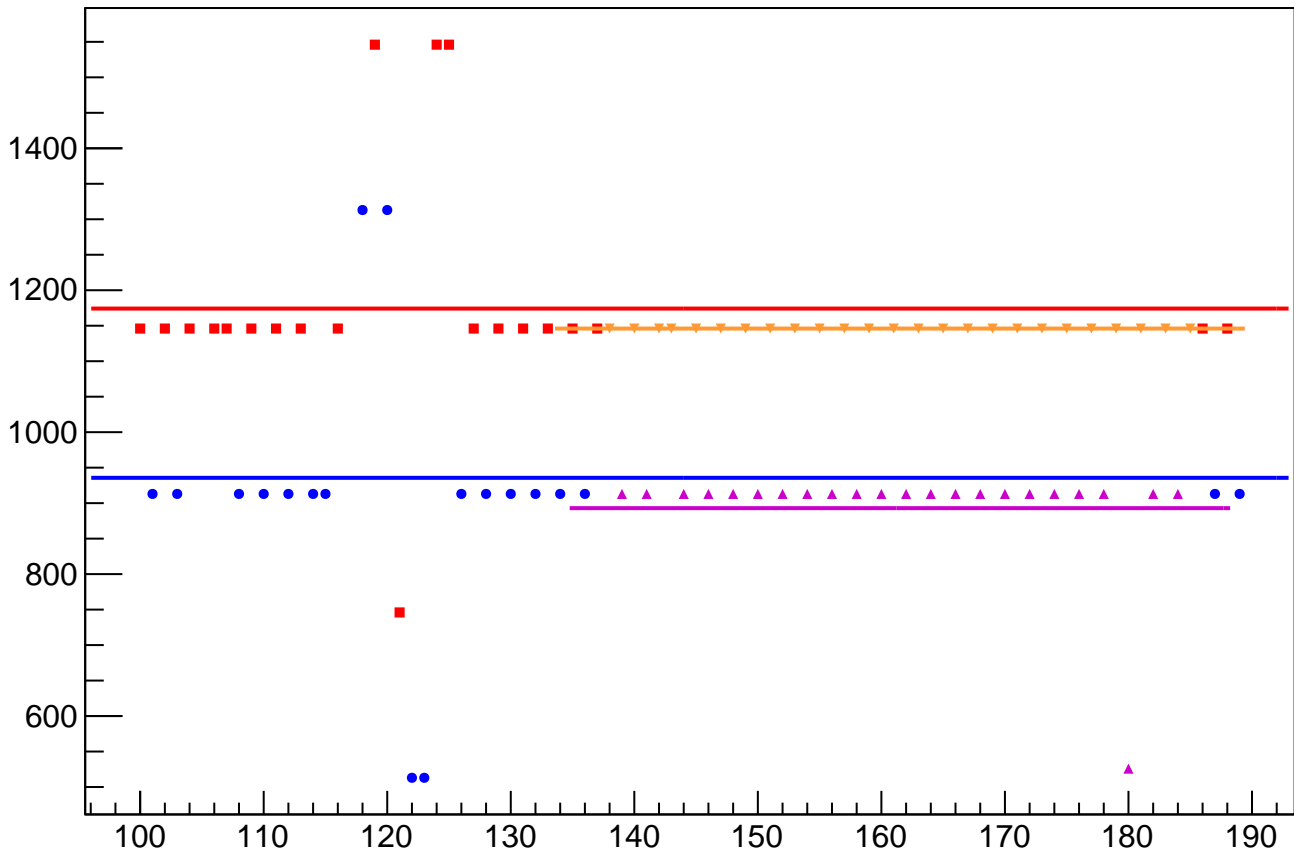
Left In: 17.009 \pm 0.000 χ^2 /NDF: 114986101427233622065152.0/22

+ sign 16.288 \pm 0.000 χ^2 /NDF: 5238227848101208

All: 16.485 \pm 0.000 χ^2 /NDF: 1297767626968

- sign 16.684 \pm 0.000 χ^2 /NDF: 5699498147354023

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 935.687+/-0.000 χ^2/NDF : 20891032979868353609310040081374904320.0/18

Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

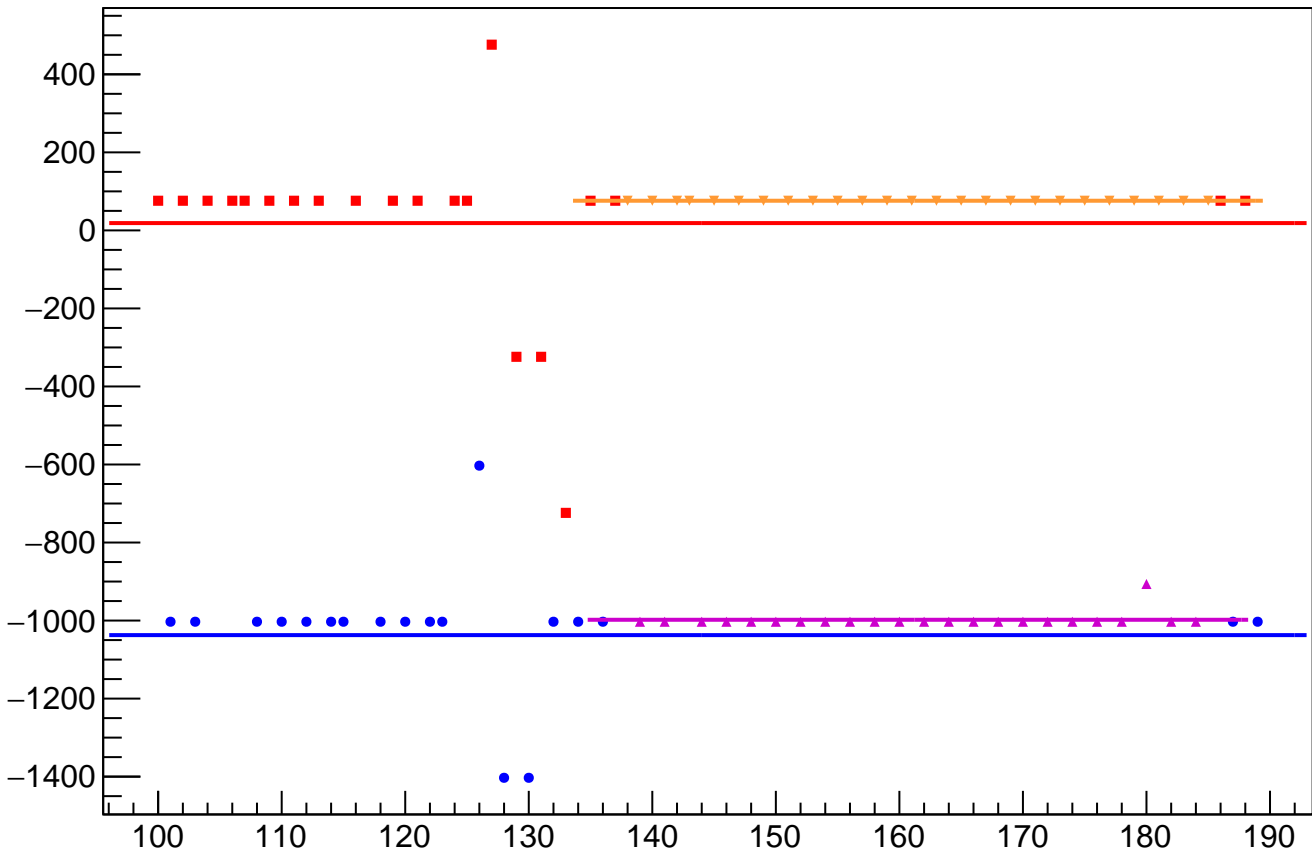
Right Out: 1174.179+/-0.000 χ^2/NDF : 21404659768339688637010167953813929984.0/20

Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

All: 1034.935+/-0.000 χ^2/NDF : 13920571629

- sign 983.436+/-0.000 χ^2/NDF : 803217385738011

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1037.290 ± 0.000 $\chi^2/\text{NDF}: 22307839929443685195943868479205015552.0/18$
 Left Out: 76.011 ± 0.000 $\chi^2/\text{NDF}: 11479003589933272170007363584.0/24$
 Right Out: 18.733 ± 0.000 $\chi^2/\text{NDF}: 44244589863079970366111271148461228032.0/20$
 Left In: -997.979 ± 0.000 $\chi^2/\text{NDF}: 825858066518991041870194619245920256.0/22$
 All: -455.258 ± 0.000 $\chi^2/\text{NDF}: 15822603086$
 + sign -240.881 ± 0.000 $\chi^2/\text{NDF}: 69438361603508$
 - sign -670.849 ± 0.000 $\chi^2/\text{NDF}: 642413306906357$