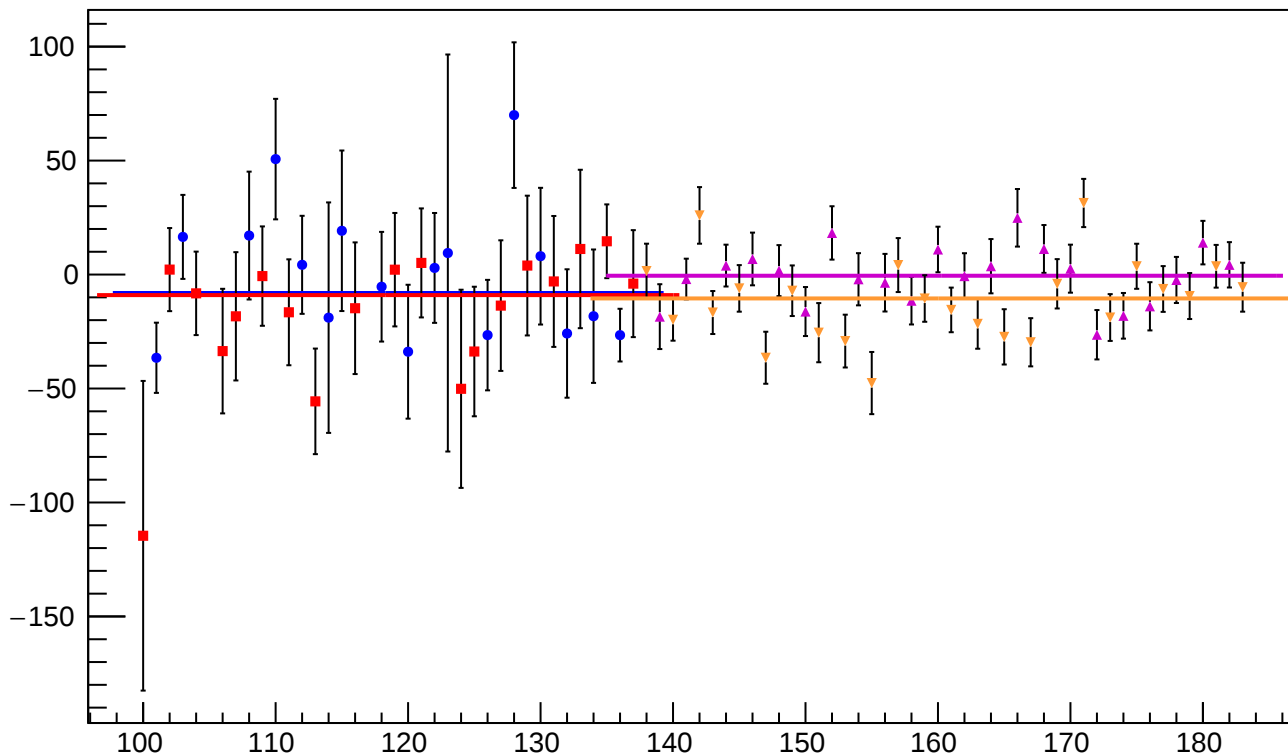


diff_bpm4aX_mean vs Slug



Right In: -8.097 ± 5.619

χ^2/NDF : 22.9/16

Left Out: -10.477 ± 2.188

χ^2/NDF : 57.4/23

Right Out: -9.015 ± 5.687

χ^2/NDF : 13.0/18

Left In: -0.519 ± 2.273

χ^2/NDF : 28.0/21

+ sign -10.164 ± 2.039

χ^2/NDF : 80.4/40

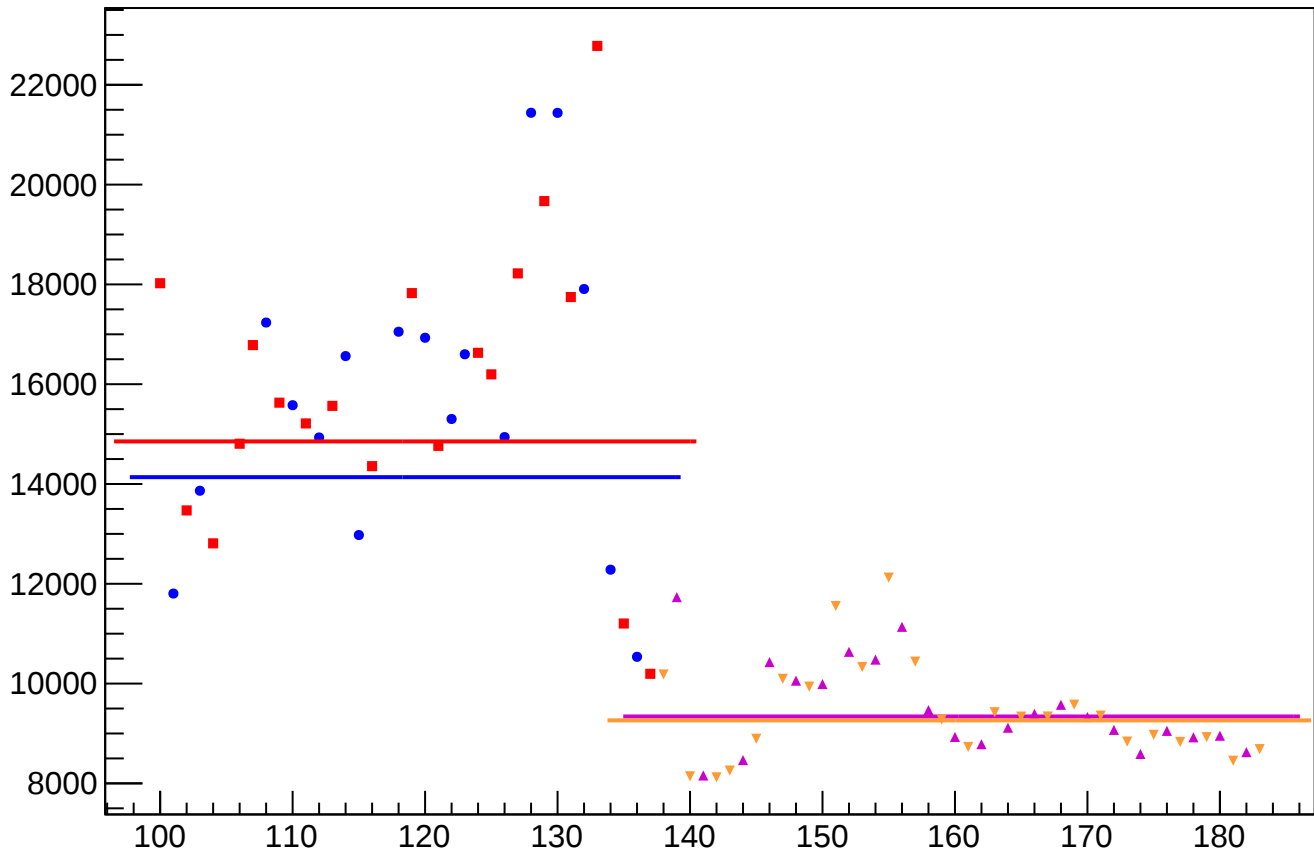
All: -6.075 ± 1.466

χ^2/NDF : 131.7/81

- sign -1.690 ± 2.111

χ^2/NDF : 42.9/40

diff_bpm4aX_rms vs Slug



Right In: 14137.038+/-3.974 χ^2/NDF : 603041.9/16

Left Out: 9262.562+/-1.547 χ^2/NDF : 329267.5/23

Right Out: 14853.365+/-4.022 χ^2/NDF : 473842.5/18

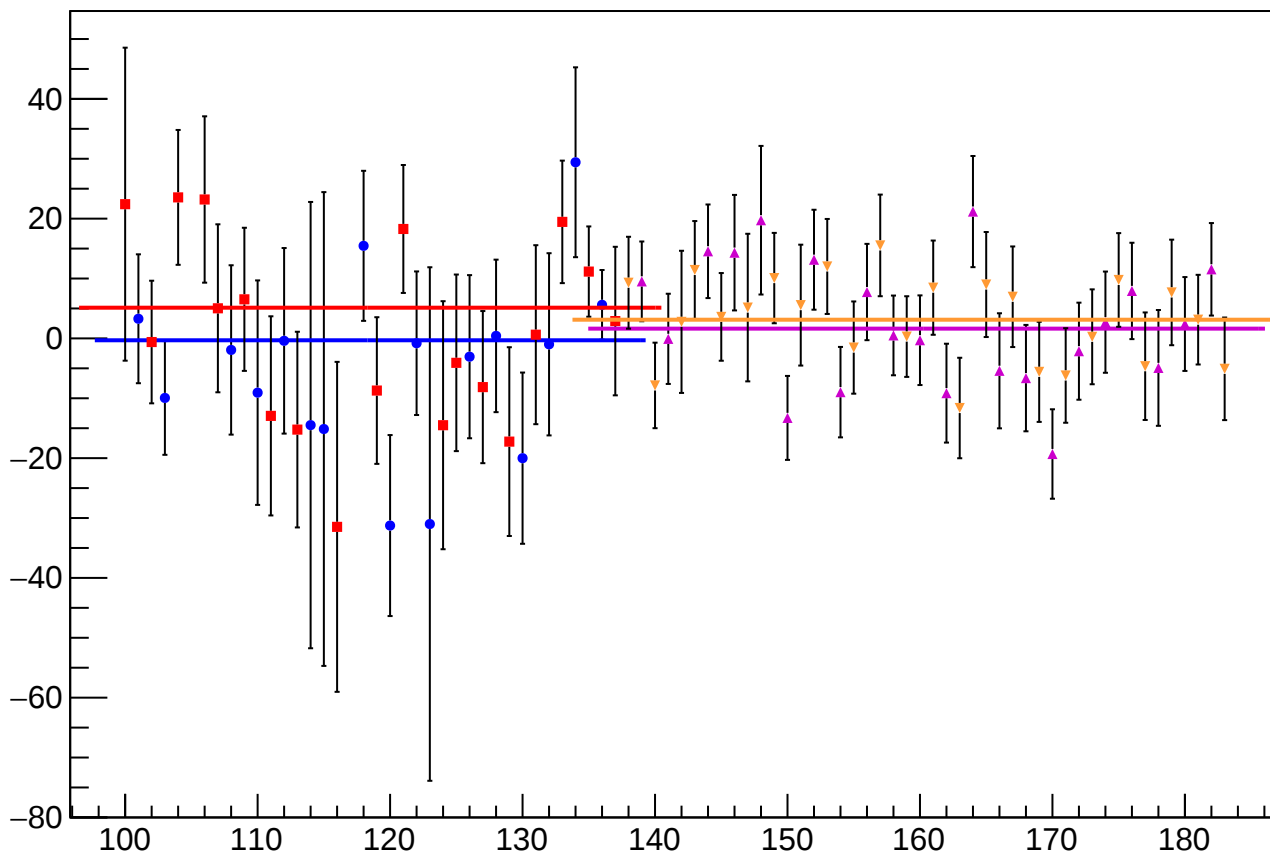
Left In: 9340.615+/-1.608 χ^2/NDF : 270355.9/21

+ sign 9904.049+/-1.441 χ^2/NDF : 2239118.3/40

All: 9998.651+/-1.037 χ^2/NDF : 4612480.1/83

- sign 10100.089+/-1.493 χ^2/NDF : 2364436.5/40

diff_bpm4aY_mean vs Slug



Right In: -0.315 ± 3.077 χ^2/NDF : 14.4/16

Left Out: 3.121 ± 1.674 χ^2/NDF : 18.4/23

Right Out: 5.127 ± 2.942 χ^2/NDF : 19.5/18

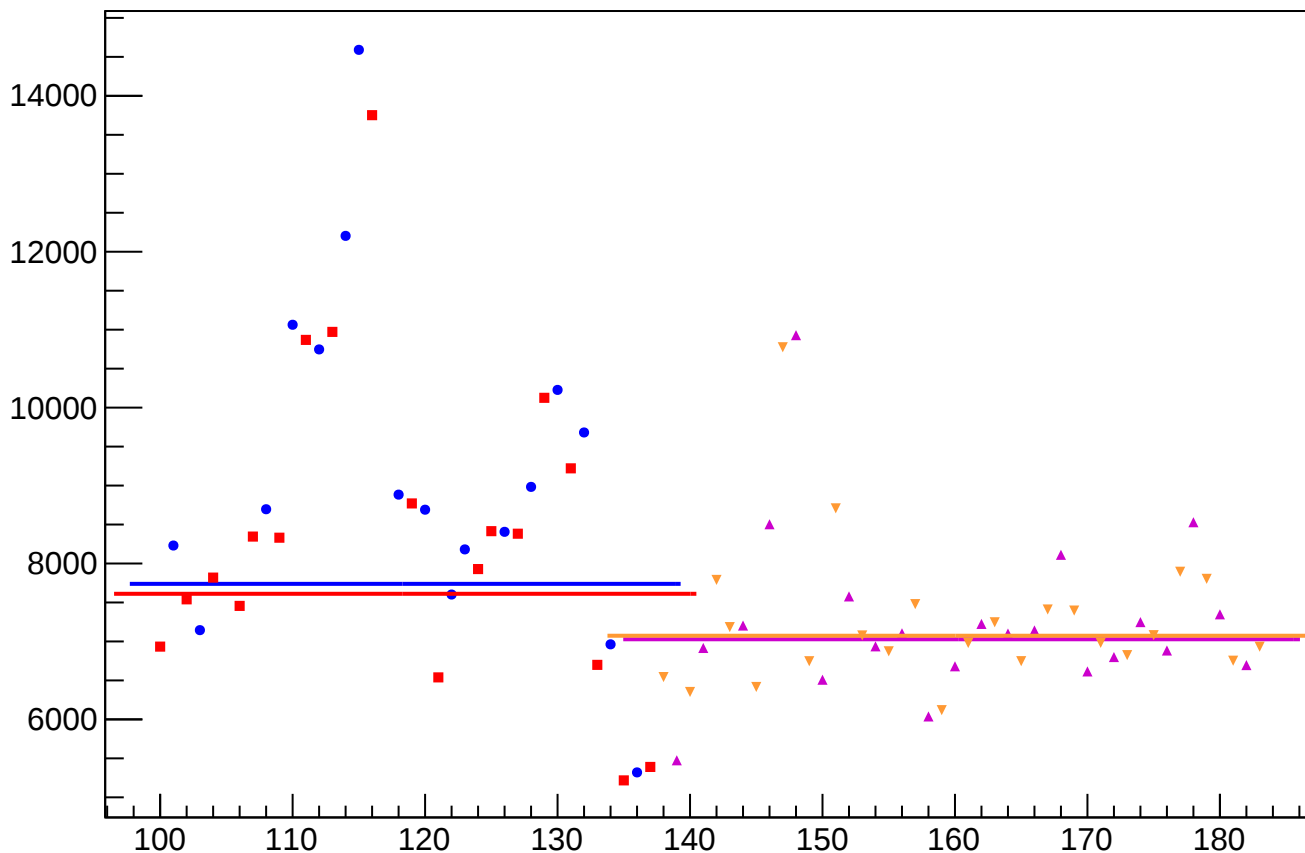
Left In: 1.629 ± 1.720 χ^2/NDF : 35.5/21

+ sign 2.336 ± 1.470 χ^2/NDF : 33.8/40

All: 2.427 ± 1.045 χ^2/NDF : 89.9/81

- sign 2.521 ± 1.485 χ^2/NDF : 56.1/40

diff_bpm4aY_rms vs Slug



Right In: 7738.934+/-2.176 χ^2/NDF : 740969.1/16

Left Out: 7073.307+/-1.184 χ^2/NDF : 383331.3/23

Right Out: 7611.390+/-2.080 χ^2/NDF : 683263.4/18

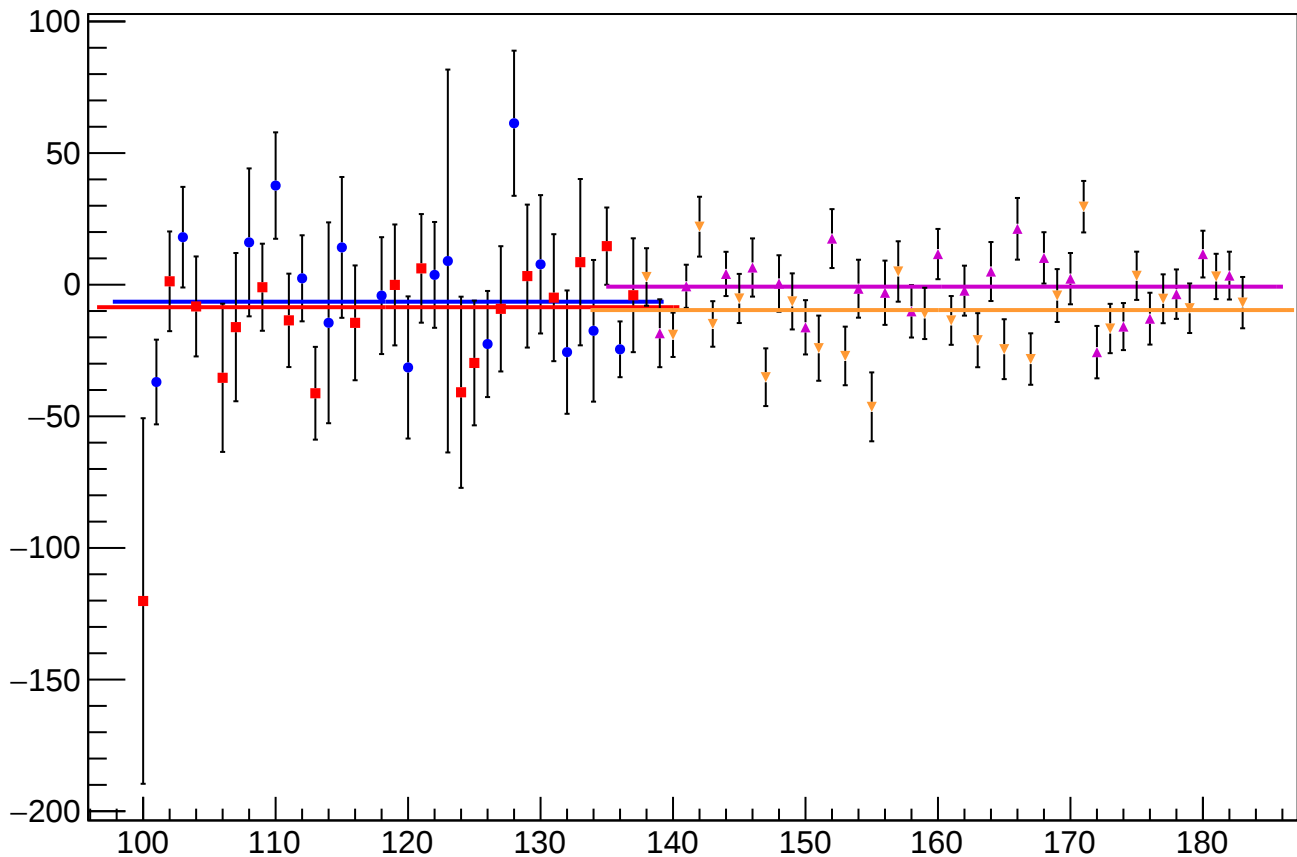
Left In: 7027.846+/-1.216 χ^2/NDF : 519460.8/21

+ sign 7225.345+/-1.040 χ^2/NDF : 1196522.7/40

All: 7201.167+/-0.739 χ^2/NDF : 2458975.3/83

- sign 7176.510+/-1.050 χ^2/NDF : 1261360.5/40

diff_bpm4eX_mean vs Slug



Right In: -6.463 ± 5.029 χ^2/NDF : 23.5/16

Left Out: -9.637 ± 2.038 χ^2/NDF : 58.0/23

Right Out: -8.548 ± 5.009 χ^2/NDF : 12.9/18

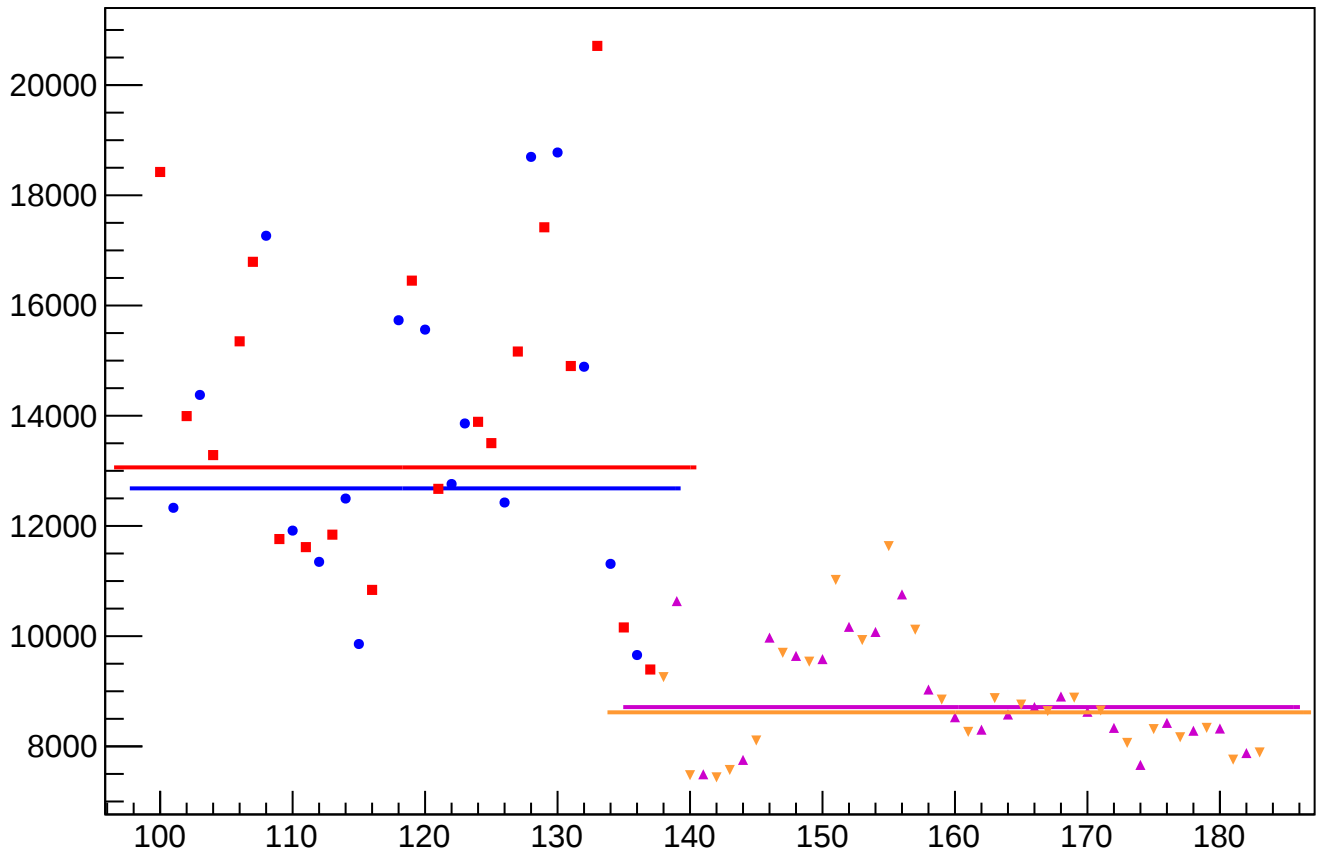
Left In: -0.746 ± 2.123 χ^2/NDF : 28.2/21

+ sign -9.189 ± 1.889 χ^2/NDF : 81.9/40

All: -5.686 ± 1.358 χ^2/NDF : 132.2/81

- sign -1.935 ± 1.955 χ^2/NDF : 43.2/40

diff_bpm4eX_rms vs Slug



Right In: 12681.868+/-3.556 χ^2/NDF : 558641.1/16

Left Out: 8617.777+/-1.441 χ^2/NDF : 431958.6/23

+ sign 9191.356+/-1.336 χ^2/NDF : 2112627.7/40

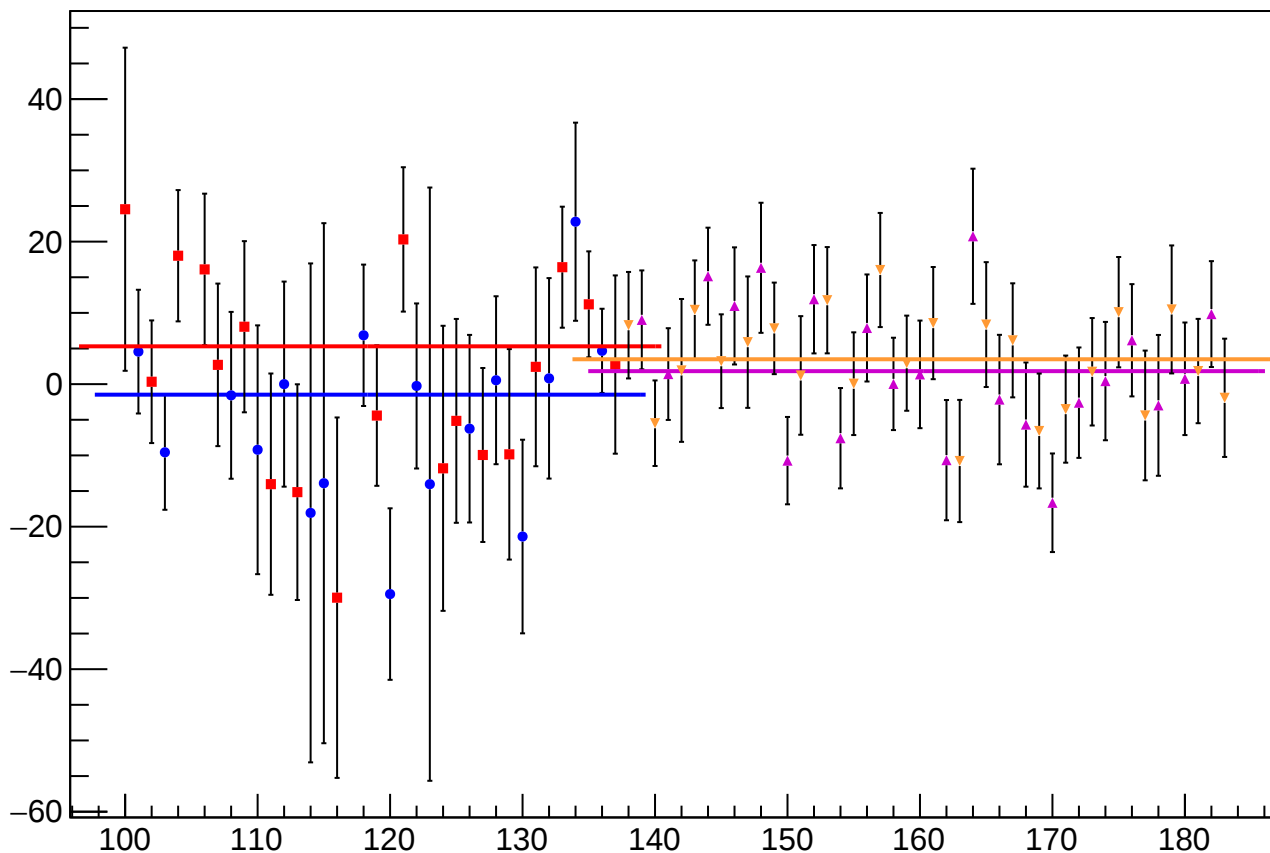
Right Out: 13062.676+/-3.542 χ^2/NDF : 499222.2/18

All: 9280.199+/-0.961 χ^2/NDF : 4255260.4/81

- sign 9375.329+/-1.382 χ^2/NDF : 2133472.6/40

Left In: 8712.763+/-1.501 χ^2/NDF : 355546.9/21

diff_bpm4eY_mean vs Slug



Right In: -1.477 ± 2.795 χ^2/NDF : 14.7/16

Left Out: 3.491 ± 1.564 χ^2/NDF : 16.8/23

Right Out: 5.307 ± 2.645 χ^2/NDF : 18.9/18

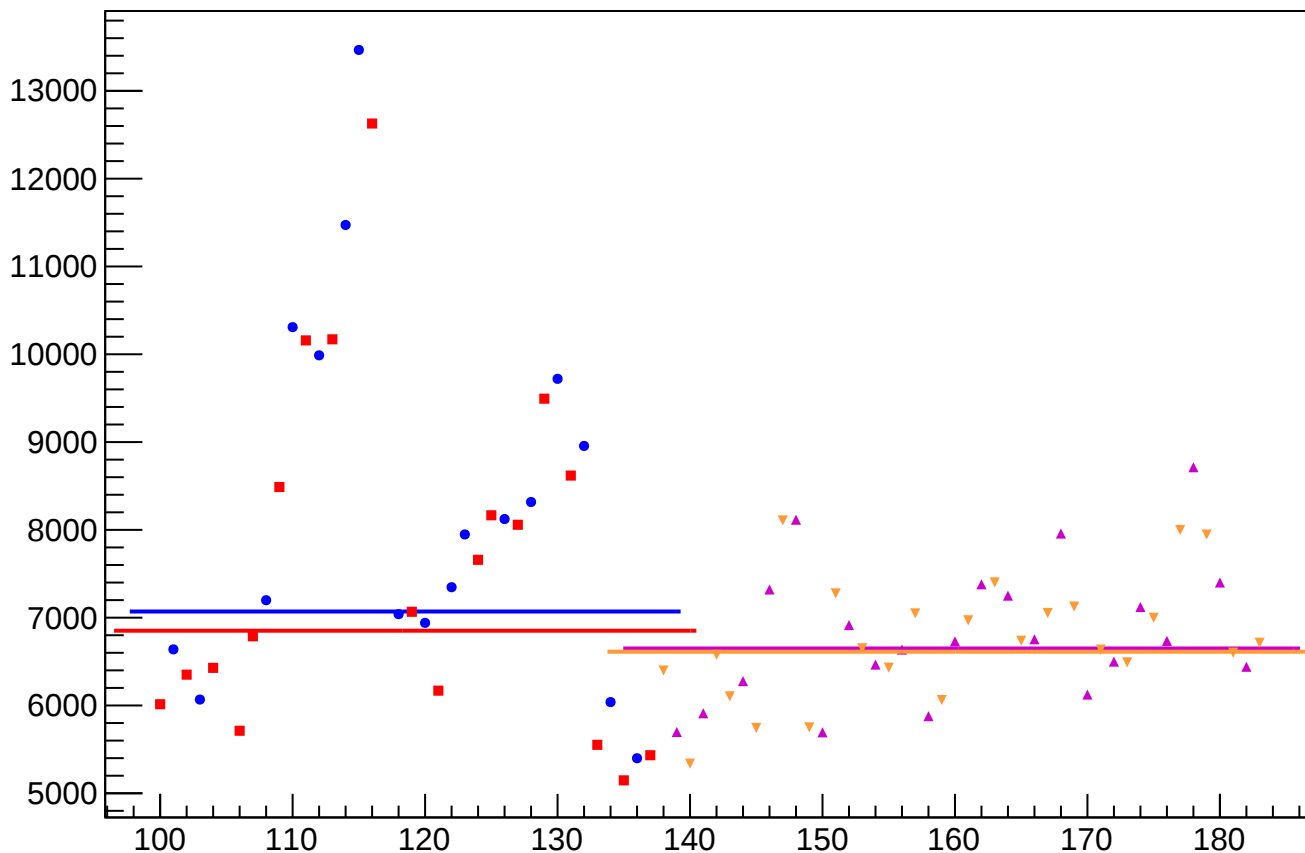
Left In: 1.824 ± 1.623 χ^2/NDF : 33.4/21

+ sign 2.306 ± 1.365 χ^2/NDF : 33.9/40

All: 2.538 ± 0.972 χ^2/NDF : 87.6/81

- sign 2.777 ± 1.384 χ^2/NDF : 53.6/40

diff_bpm4eY_rms vs Slug



Right In: 7070.220 ± 1.977 χ^2/NDF : 600878.1/16

Left Out: 6612.474 ± 1.106 χ^2/NDF : 391566.6/23

Right Out: 6851.593 ± 1.870 χ^2/NDF : 688585.4/18

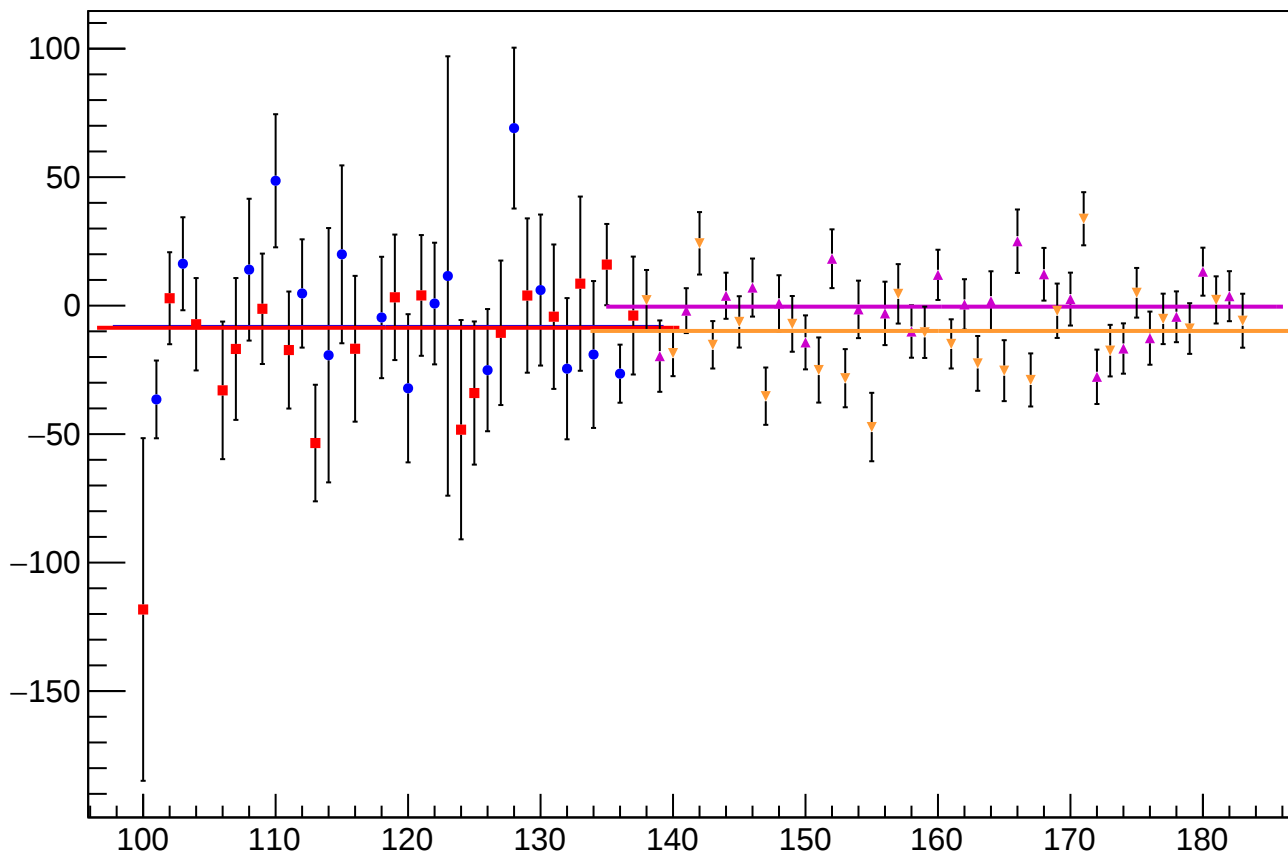
Left In: 6649.196 ± 1.148 χ^2/NDF : 410084.8/21

+ sign 6721.662 ± 0.965 χ^2/NDF : 1033286.3/40

All: 6713.241 ± 0.687 χ^2/NDF : 2140618.9/83

- sign 6704.592 ± 0.978 χ^2/NDF : 1107178.4/40

diff_bpm4acX_mean vs Slug



Right In: -8.291 ± 5.508 χ^2/NDF : 22.7/16

Left Out: -9.848 ± 2.139 χ^2/NDF : 59.3/23

Right Out: -8.615 ± 5.576 χ^2/NDF : 13.4/18

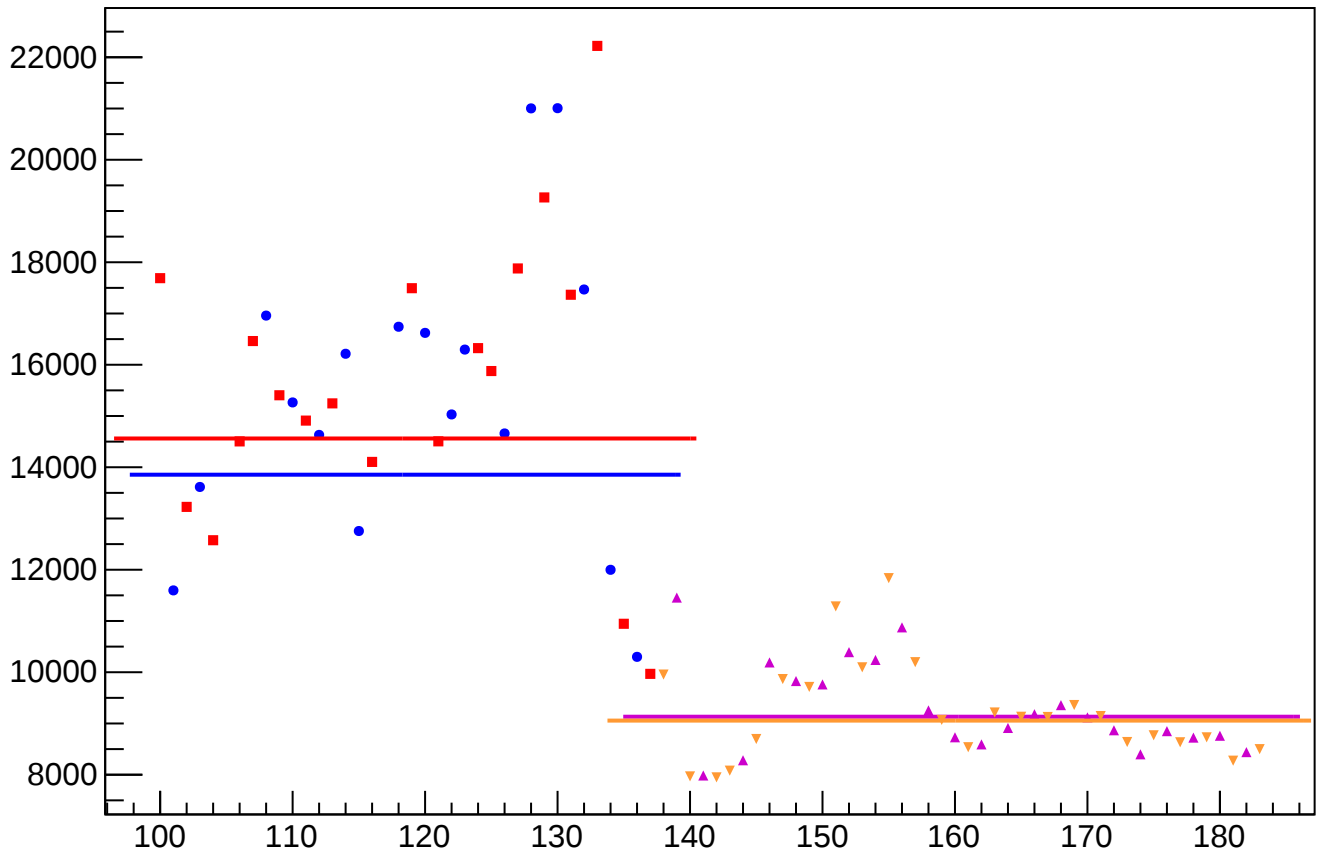
Left In: -0.401 ± 2.222 χ^2/NDF : 28.8/21

+ sign -9.644 ± 1.994 χ^2/NDF : 82.1/40

All: -5.727 ± 1.434 χ^2/NDF : 134.2/81

- sign -1.527 ± 2.064 χ^2/NDF : 44.1/40

diff_bpm4acX_rms vs Slug



Right In: 13854.498+/-3.895 χ^2/NDF : 606202.8/16

Left Out: 9056.240+/-1.512 χ^2/NDF : 325528.6/23

Right Out: 14561.025+/-3.943 χ^2/NDF : 475761.5/18

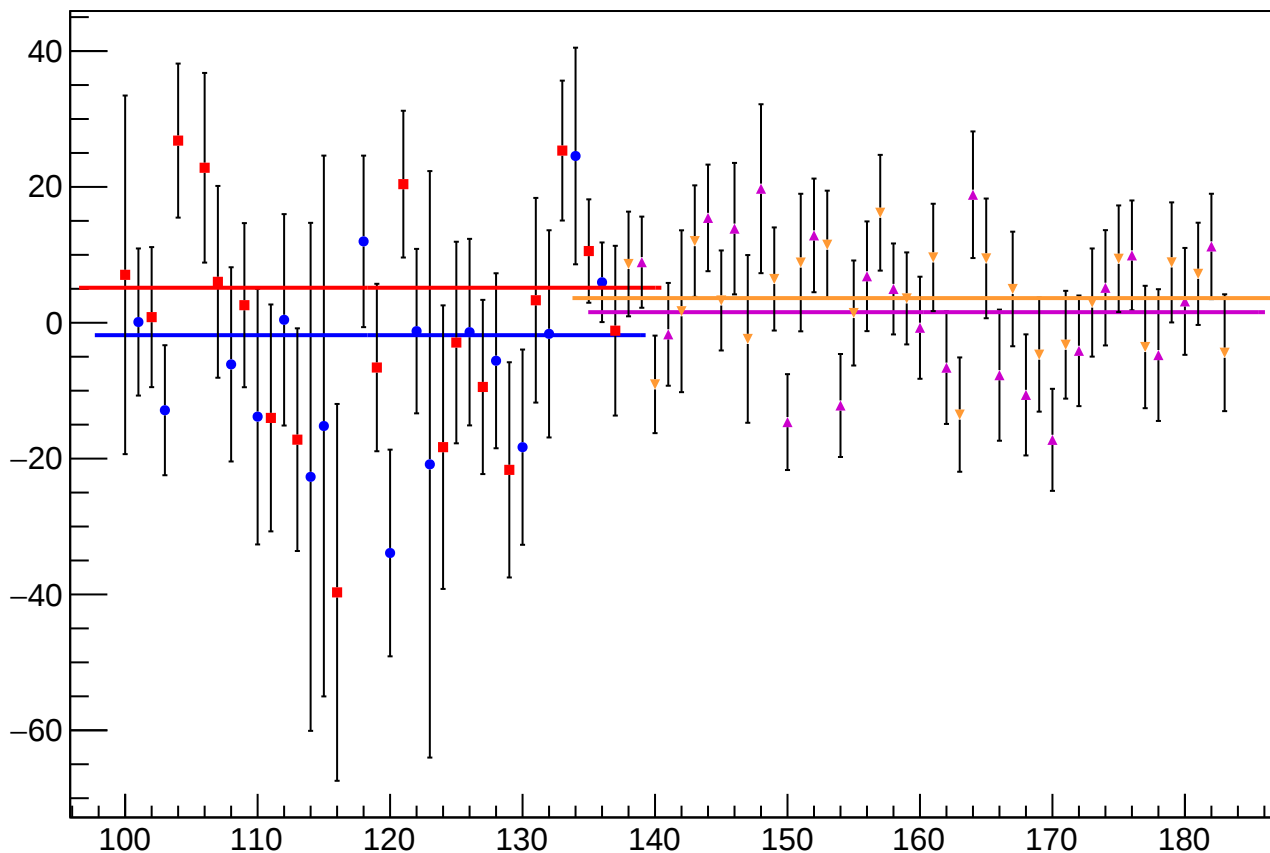
Left In: 9131.928+/-1.571 χ^2/NDF : 267199.6/21

+ sign 9684.894+/-1.410 χ^2/NDF : 2250701.4/40

All: 9777.216+/-1.014 χ^2/NDF : 4638795.6/83

- sign 9876.211+/-1.460 χ^2/NDF : 2379206.6/40

diff_bpm4acY_mean vs Slug



Right In: -1.828 ± 3.100 χ^2/NDF : 14.0/16

Left Out: 3.631 ± 1.681 χ^2/NDF : 18.1/23

Right Out: 5.156 ± 2.965 χ^2/NDF : 24.5/18

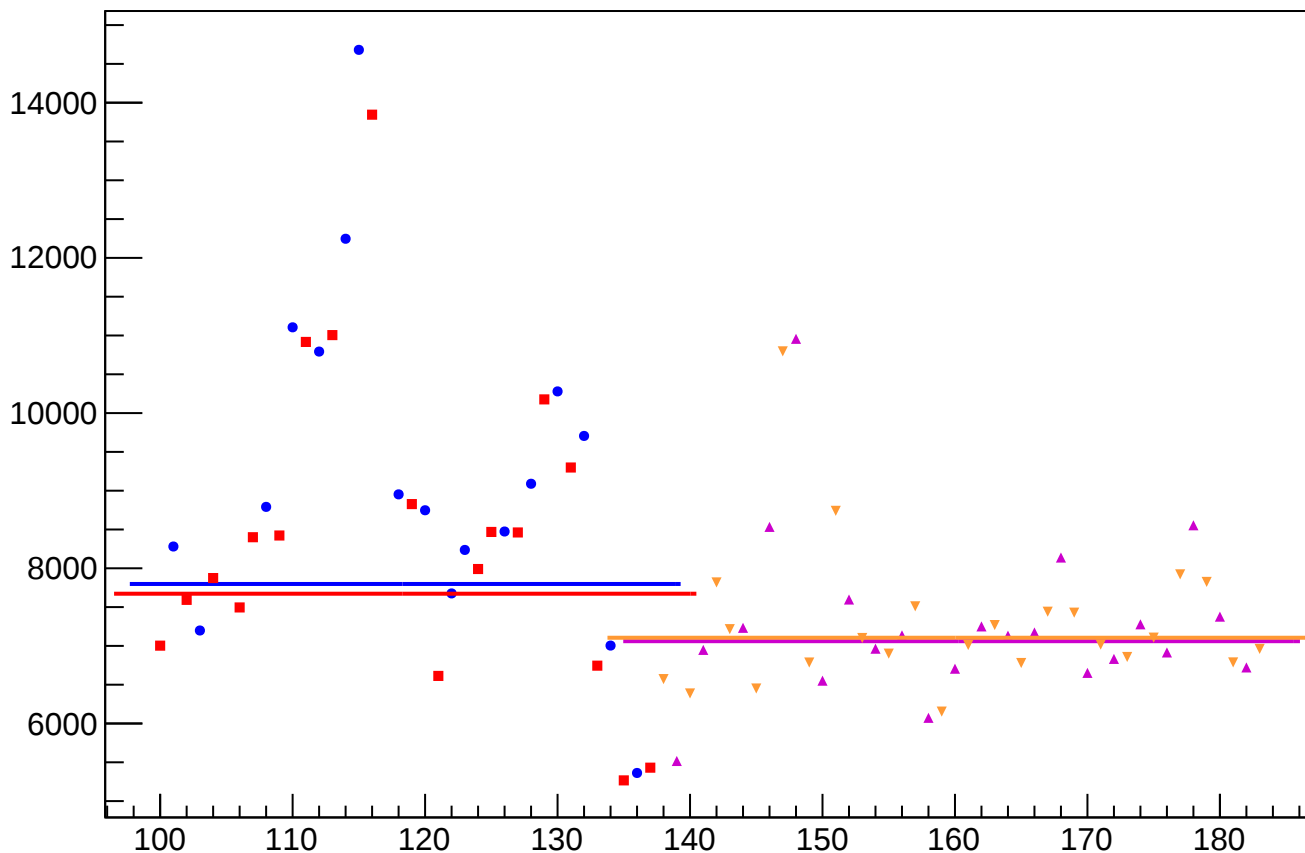
Left In: 1.560 ± 1.728 χ^2/NDF : 36.6/21

+ sign 2.390 ± 1.478 χ^2/NDF : 34.5/40

All: 2.430 ± 1.050 χ^2/NDF : 96.8/81

- sign 2.472 ± 1.493 χ^2/NDF : 62.3/40

diff_bpm4acY_rms vs Slug



Right In: 7797.989+/-2.192 χ^2/NDF : 736318.7/16

Left Out: 7105.123+/-1.189 χ^2/NDF : 378541.2/23

Right Out: 7672.429+/-2.096 χ^2/NDF : 676691.4/18

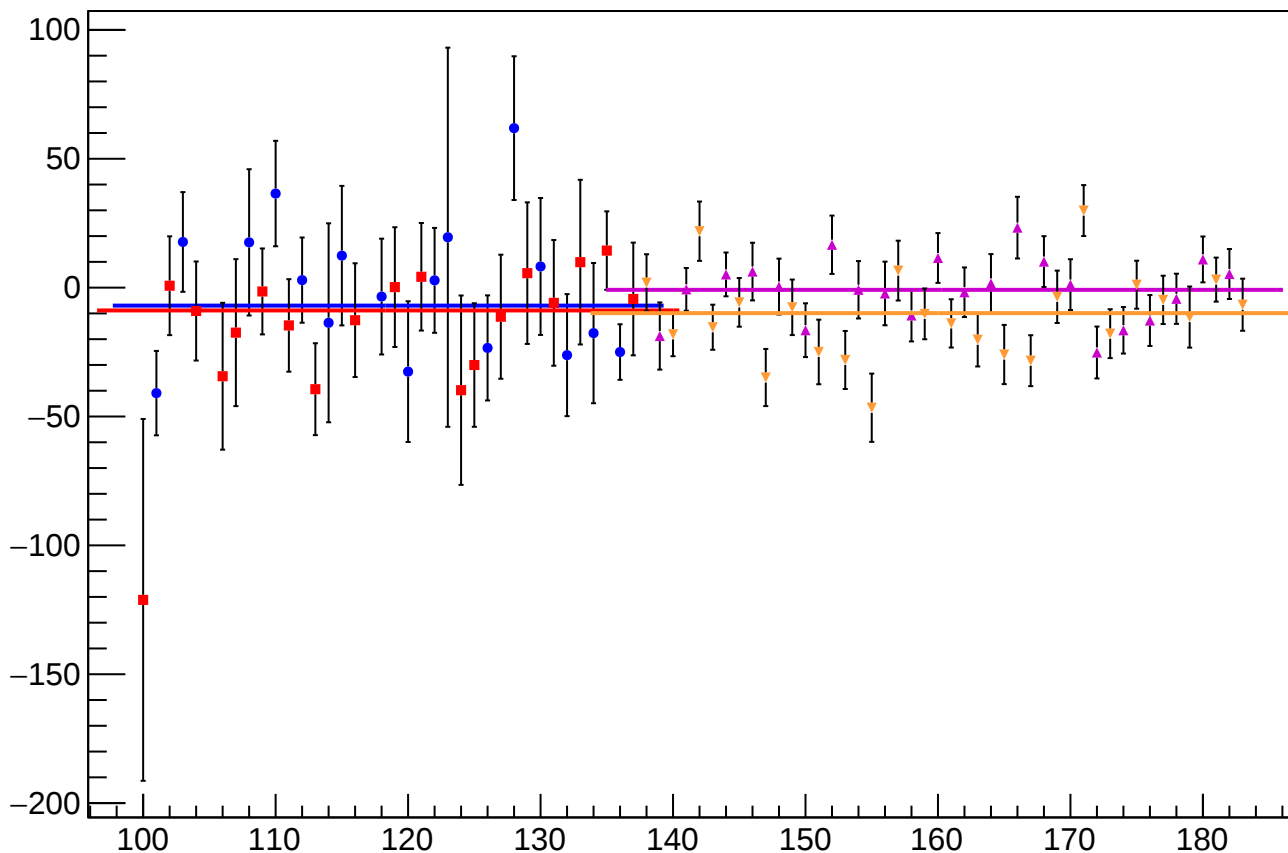
Left In: 7060.623+/-1.222 χ^2/NDF : 511562.3/21

+ sign 7262.643+/-1.045 χ^2/NDF : 1192074.2/40

All: 7239.429+/-0.743 χ^2/NDF : 2444898.7/83

- sign 7215.744+/-1.056 χ^2/NDF : 1251827.5/40

diff_bpm4ecX_mean vs Slug



Right In: -6.975 ± 5.096 χ^2/NDF : 24.0/16

Left Out: -9.893 ± 2.079 χ^2/NDF : 57.2/23

Right Out: -8.848 ± 5.080 χ^2/NDF : 12.0/18

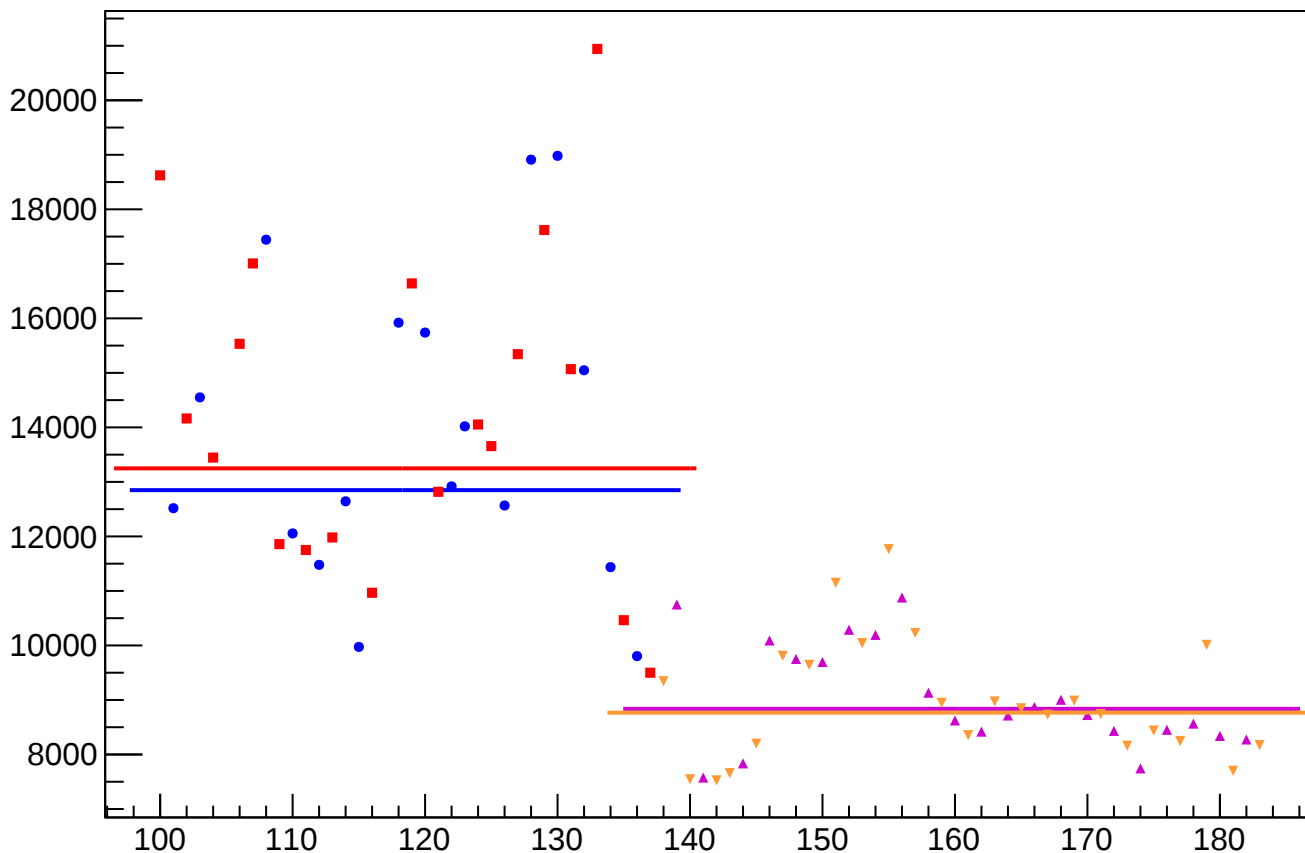
Left In: -0.854 ± 2.155 χ^2/NDF : 28.1/21

+ sign -9.477 ± 1.925 χ^2/NDF : 81.6/40

All: -5.888 ± 1.381 χ^2/NDF : 130.9/81

- sign -2.073 ± 1.984 χ^2/NDF : 42.2/40

diff_bpm4ecX_rms vs Slug



Right In: 12848.710+/-3.603 χ^2/NDF : 552210.2/16

Left Out: 8767.042+/-1.470 χ^2/NDF : 456461.4/23

Right Out: 13248.110+/-3.592 χ^2/NDF : 487206.6/18

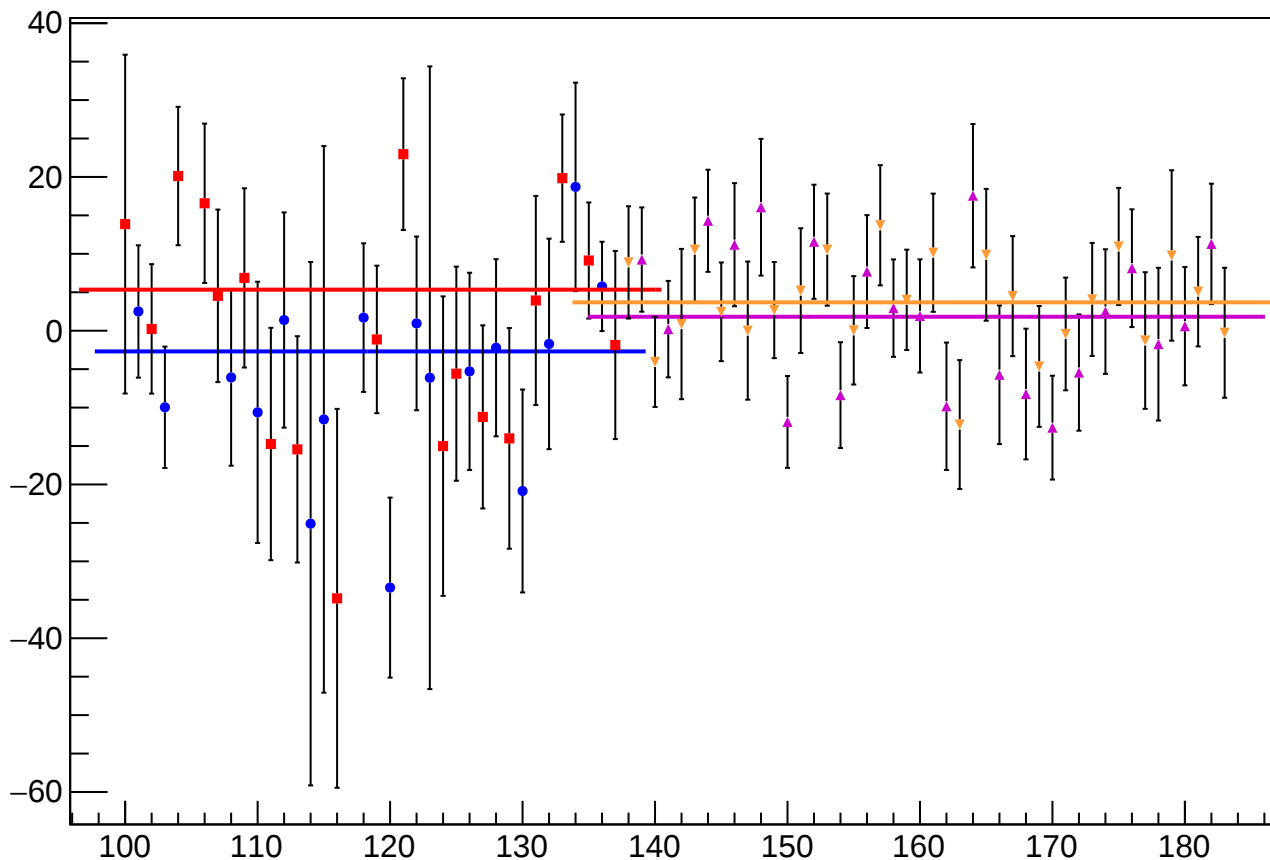
Left In: 8836.974+/-1.524 χ^2/NDF : 345048.3/21

+ sign 9349.270+/-1.361 χ^2/NDF : 2108711.2/40

All: 9427.106+/-0.977 χ^2/NDF : 4225686.1/83

- sign 9509.816+/-1.403 χ^2/NDF : 2110228.2/40

diff_bpm4ecY_mean vs Slug



Right In: -2.694 ± 2.736 χ^2/NDF : 15.9/16

Left Out: 3.690 ± 1.538 χ^2/NDF : 14.5/23

Right Out: 5.339 ± 2.592 χ^2/NDF : 23.6/18

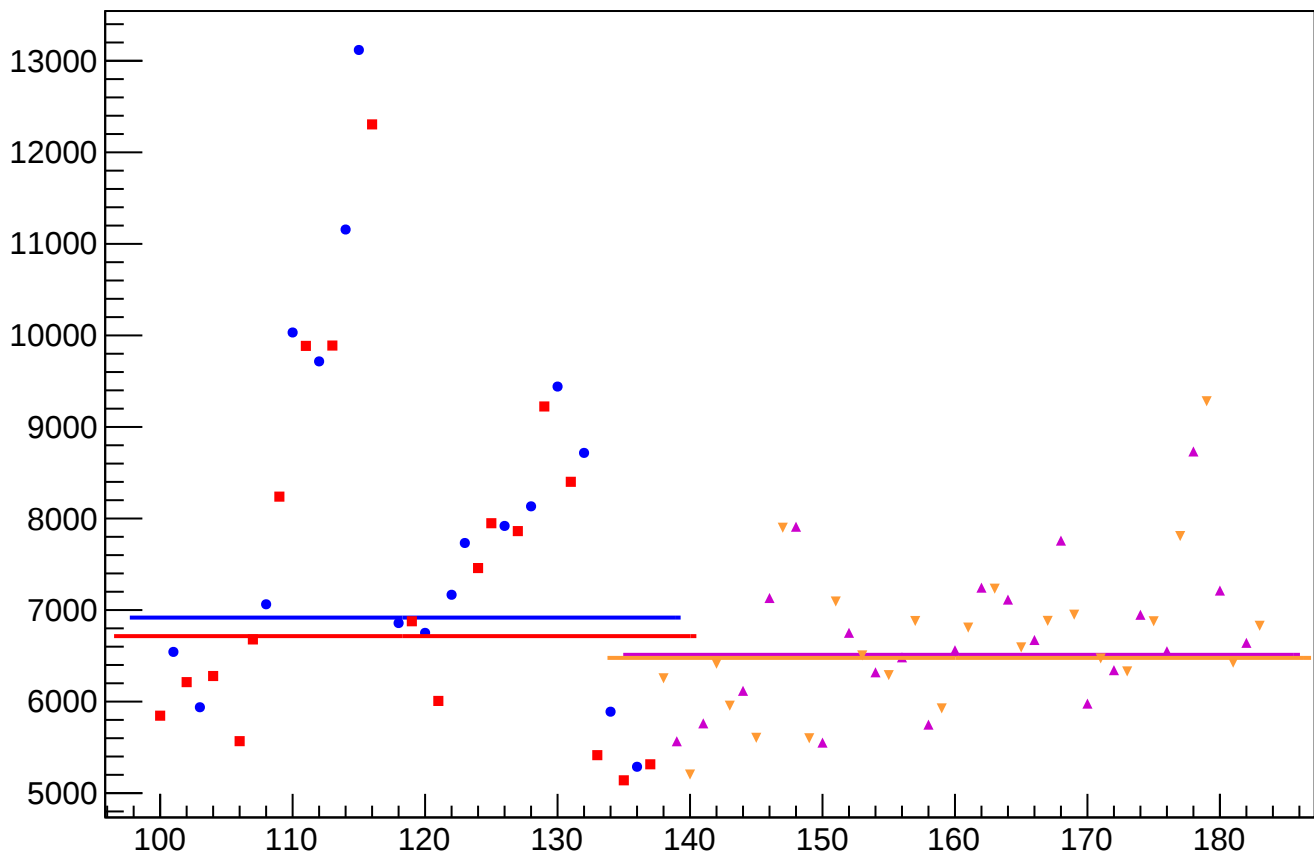
Left In: 1.815 ± 1.592 χ^2/NDF : 33.3/21

+ sign 2.157 ± 1.341 χ^2/NDF : 34.5/40

All: 2.465 ± 0.954 χ^2/NDF : 92.8/81

- sign 2.780 ± 1.357 χ^2/NDF : 58.2/40

diff_bpm4ecY_rms vs Slug



Right In: 6917.700+/-1.935 χ^2/NDF : 587164.4/16

Left Out: 6477.418+/-1.088 χ^2/NDF : 483394.1/23

Right Out: 6715.087+/-1.833 χ^2/NDF : 660008.2/18

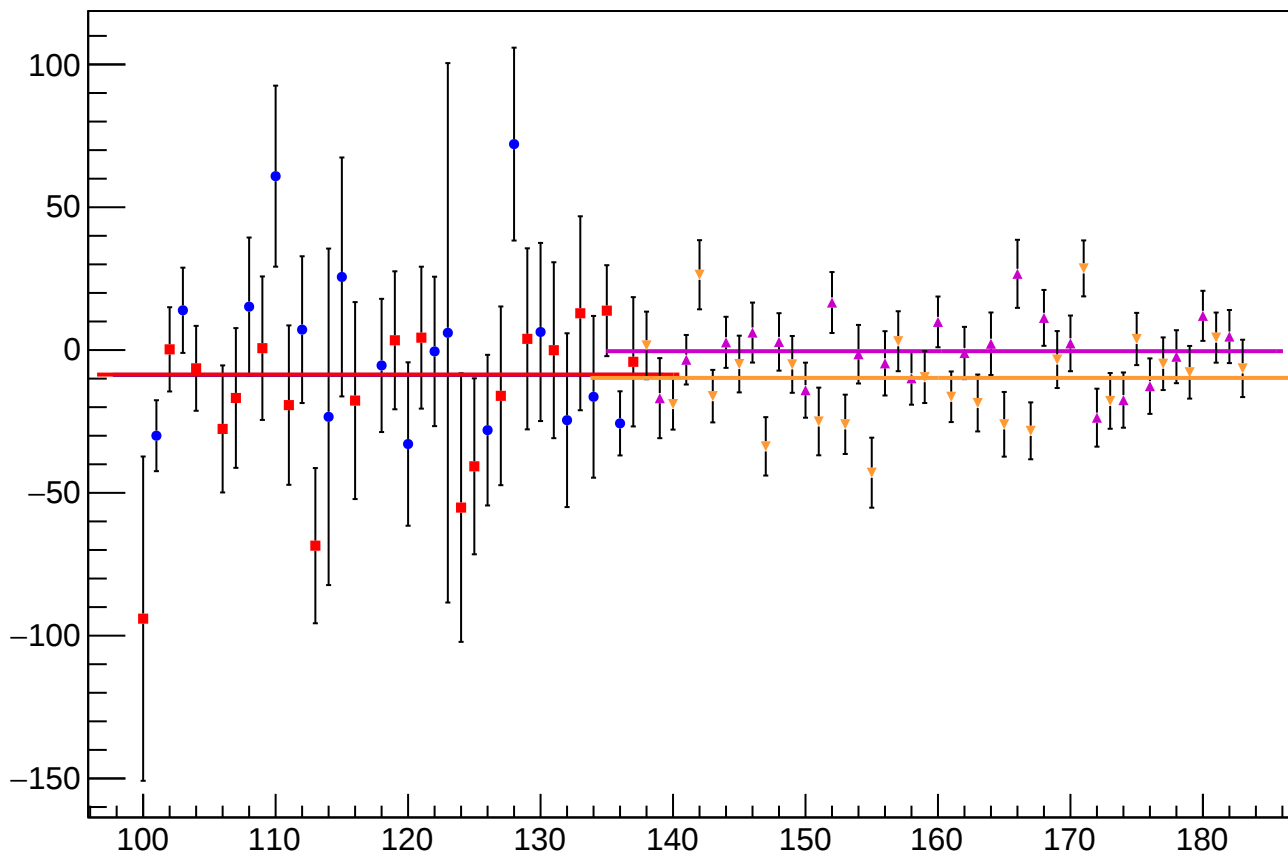
Left In: 6510.835+/-1.126 χ^2/NDF : 424429.7/21

+ sign 6583.137+/-0.948 χ^2/NDF : 1109902.6/40

All: 6575.055+/-0.674 χ^2/NDF : 2203502.8/83

- sign 6566.780+/-0.959 χ^2/NDF : 1093453.2/40

diff_bpm1X_mean vs Slug



Right In: -8.685 ± 5.401 χ^2/NDF : 22.1/16

Left Out: -9.756 ± 2.031 χ^2/NDF : 58.8/23

Right Out: -8.586 ± 5.516 χ^2/NDF : 14.0/18

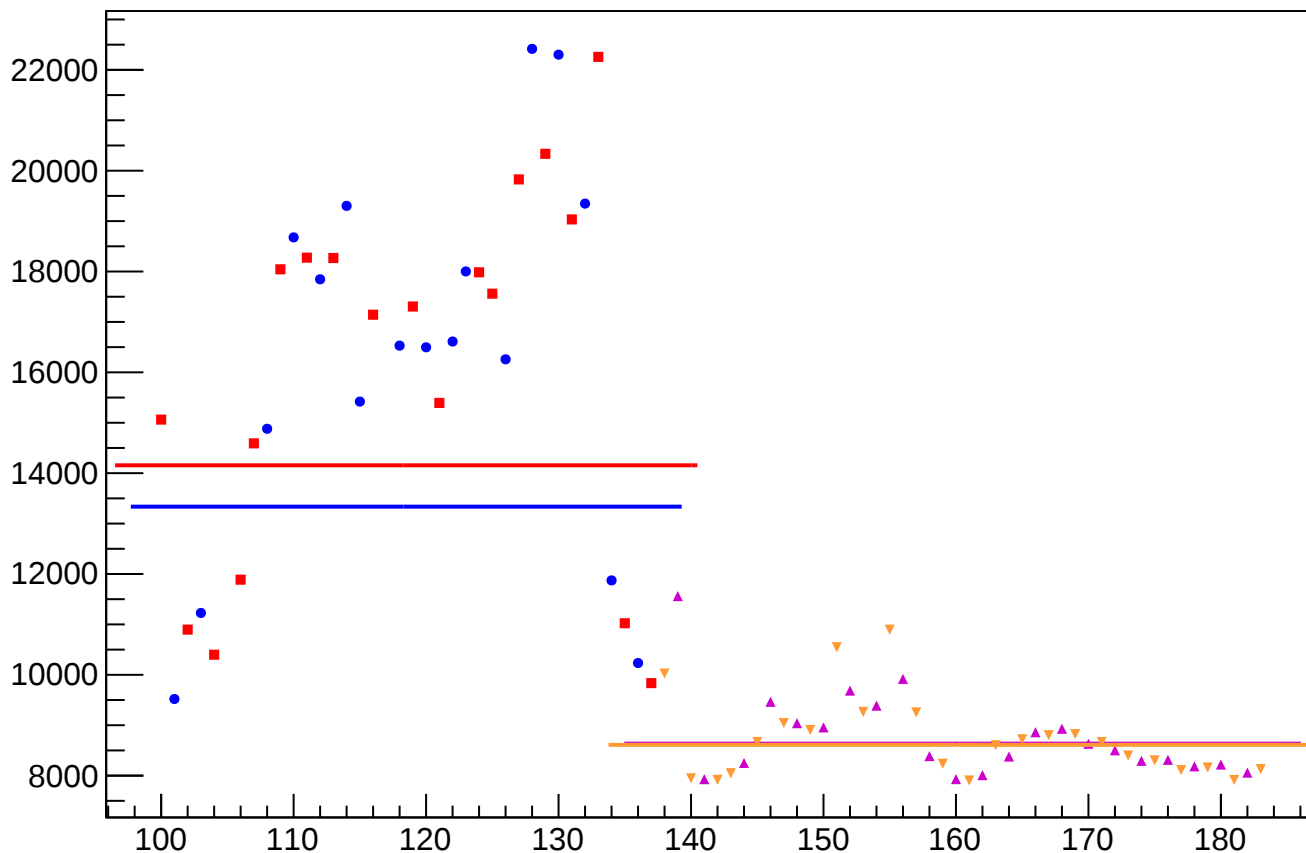
Left In: -0.399 ± 2.100 χ^2/NDF : 28.3/21

+ sign -9.623 ± 1.901 χ^2/NDF : 80.9/40

All: -5.660 ± 1.366 χ^2/NDF : 134.1/81

- sign -1.435 ± 1.963 χ^2/NDF : 44.2/40

diff_bpm1X_rms vs Slug



Right In: 13335.843 ± 3.819 $\chi^2/\text{NDF}: 1049247.5/16$

Left Out: 8610.613 ± 1.436 $\chi^2/\text{NDF}: 246542.0/23$

Right Out: 14155.967 ± 3.901 $\chi^2/\text{NDF}: 932431.0/18$

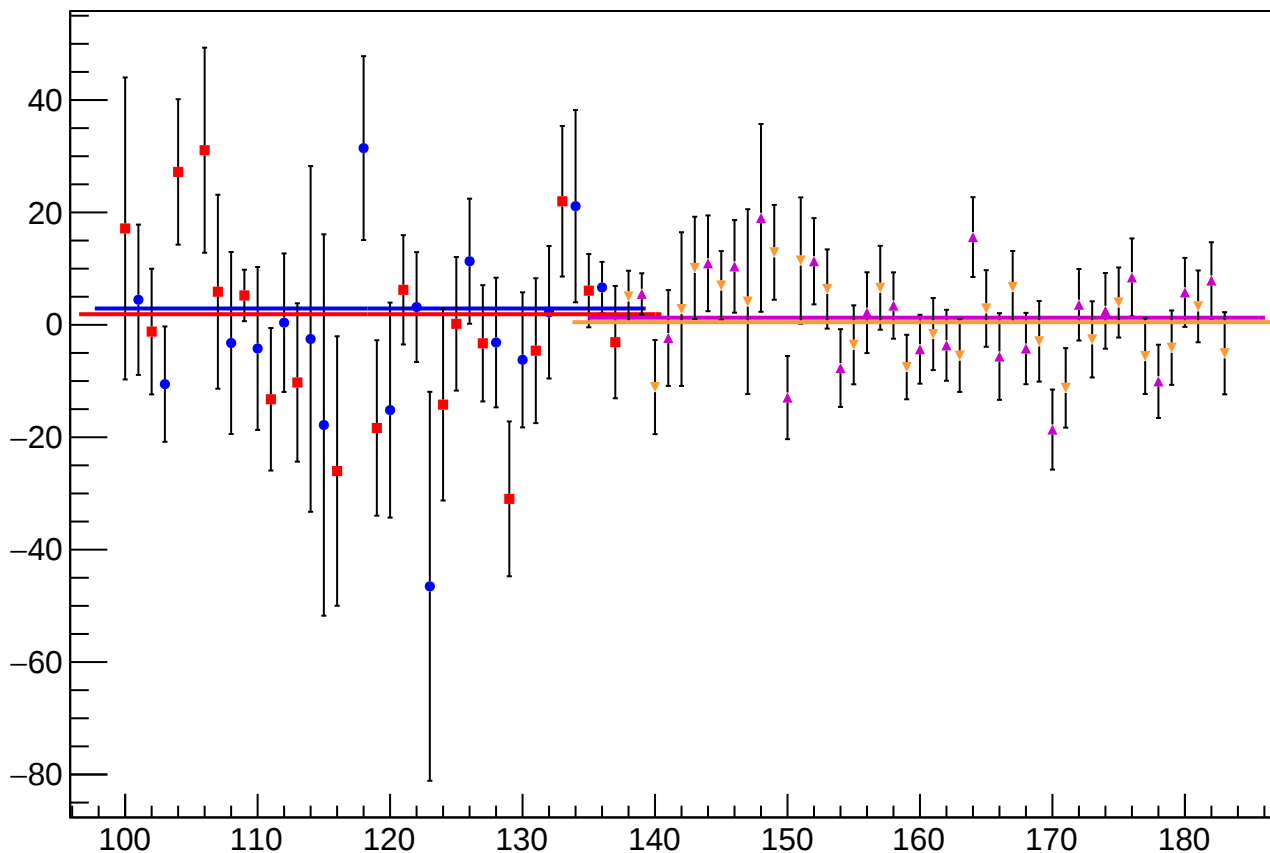
Left In: 8634.559 ± 1.485 $\chi^2/\text{NDF}: 227115.8/21$

+ sign 9195.978 ± 1.344 $\chi^2/\text{NDF}: 2636848.0/40$

All: 9262.612 ± 0.966 $\chi^2/\text{NDF}: 5551538.4/83$

- sign 9333.646 ± 1.388 $\chi^2/\text{NDF}: 2909613.9/40$

diff_bpm1Y_mean vs Slug



Right In: 2.911 ± 2.758 χ^2/NDF : 11.8/16

Left Out: 0.473 ± 1.429 χ^2/NDF : 19.6/23

Right Out: 1.892 ± 2.444 χ^2/NDF : 22.8/18

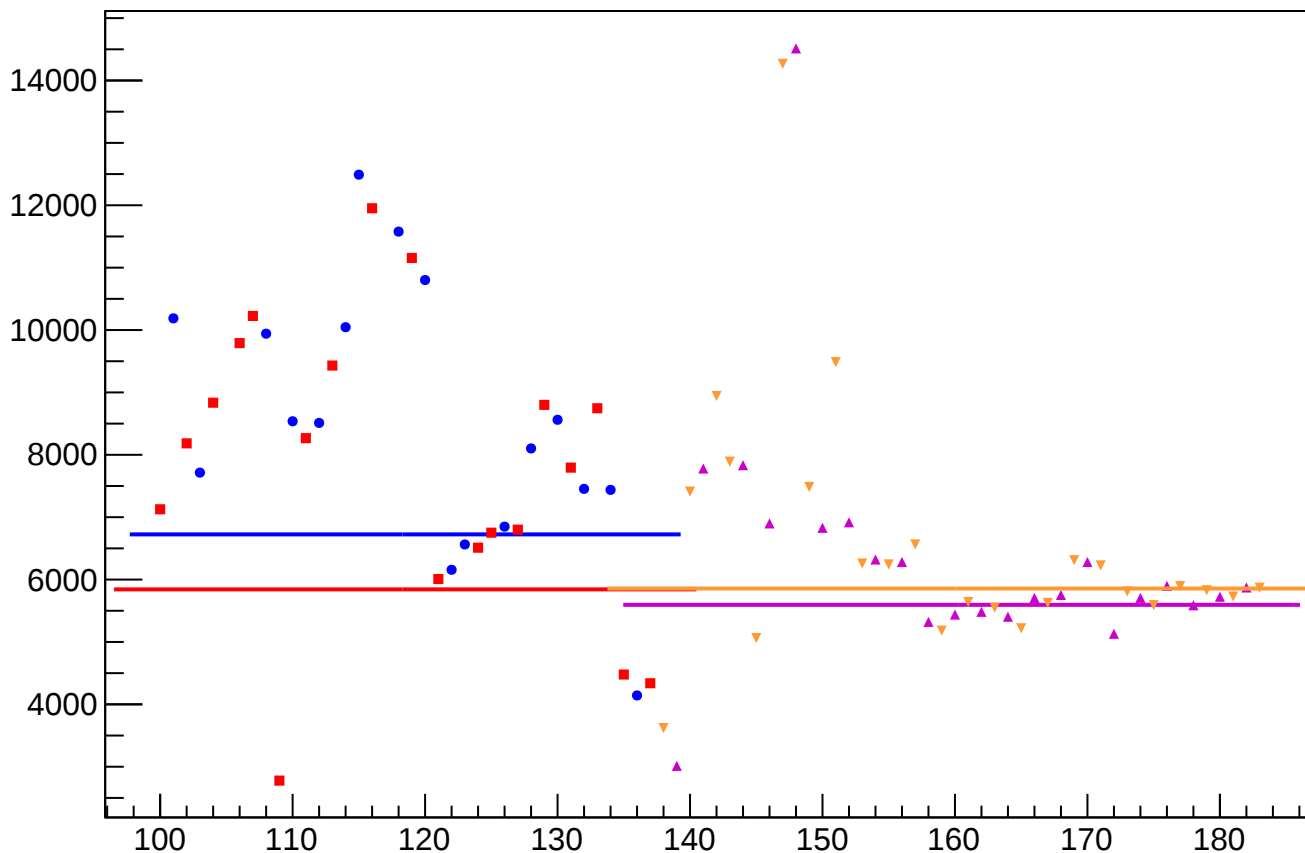
Left In: 1.269 ± 1.418 χ^2/NDF : 33.0/21

+ sign 0.989 ± 1.269 χ^2/NDF : 32.0/40

All: 1.215 ± 0.882 χ^2/NDF : 87.9/81

- sign 1.426 ± 1.227 χ^2/NDF : 55.9/40

diff_bpm1Y_rms vs Slug



Right In: 6724.403 ± 1.950 $\chi^2/\text{NDF}: 1391680.1/16$

Left Out: 5856.558 ± 1.010 $\chi^2/\text{NDF}: 1691032.2/23$

Right Out: 5843.007 ± 1.728 $\chi^2/\text{NDF}: 2280742.0/18$

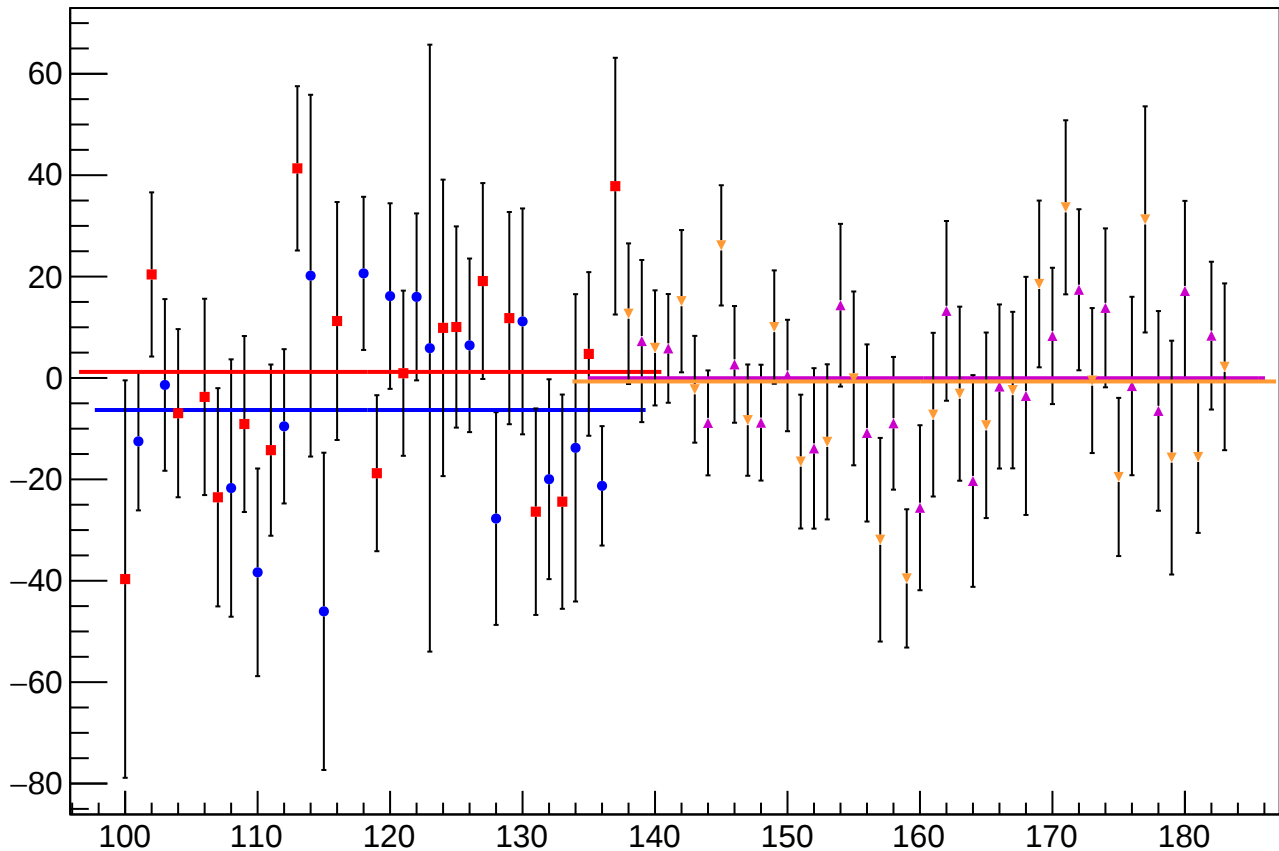
Left In: 5594.891 ± 1.003 $\chi^2/\text{NDF}: 2089519.8/21$

+ sign 6040.266 ± 0.897 $\chi^2/\text{NDF}: 3238858.4/40$

All: 5842.389 ± 0.624 $\chi^2/\text{NDF}: 7718663.2/83$

- sign 5657.406 ± 0.867 $\chi^2/\text{NDF}: 4385681.9/40$

diff_bpm11X_mean vs Slug



Right In: -6.317 ± 4.525 χ^2/NDF : 16.2/16

Left Out: -0.685 ± 2.958 χ^2/NDF : 32.4/23

Right Out: 1.197 ± 4.382 χ^2/NDF : 20.2/18

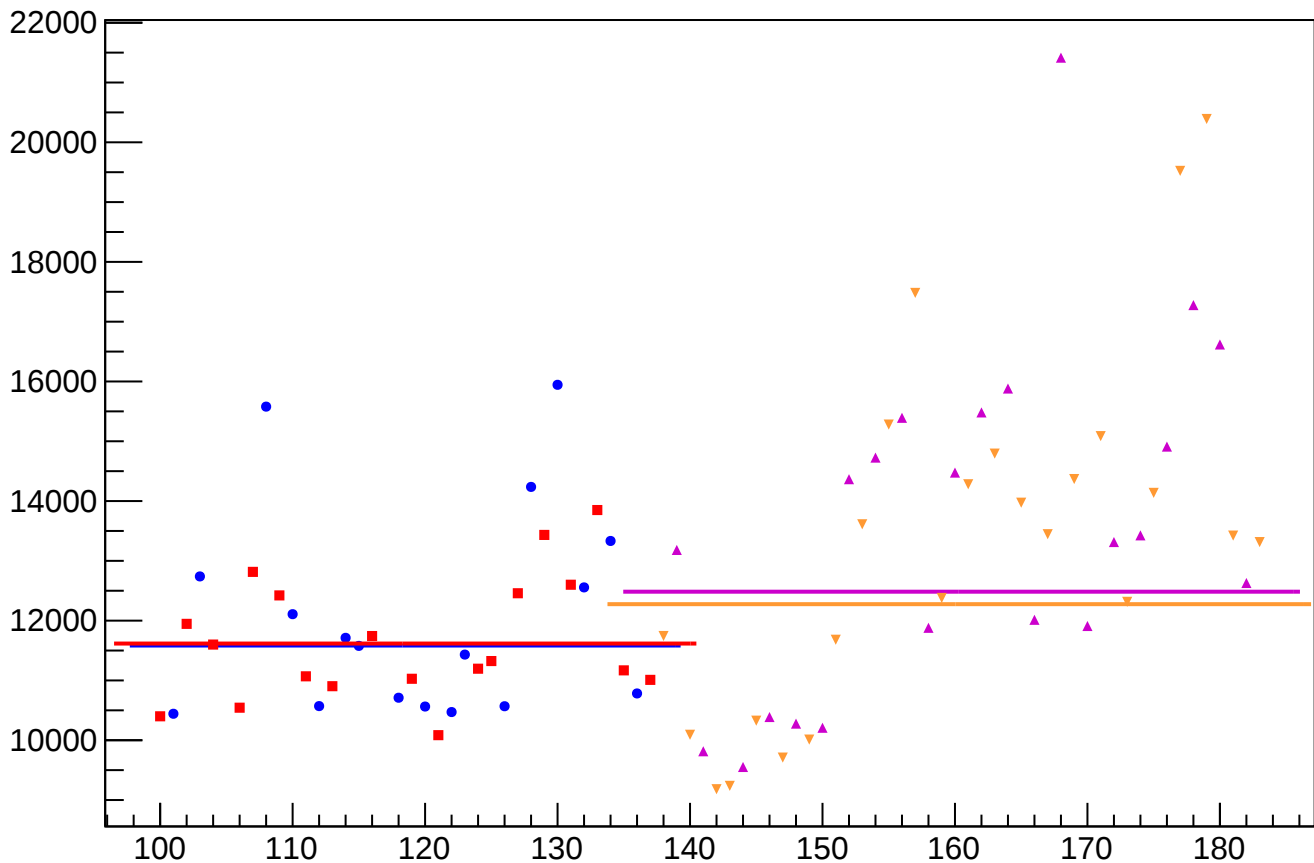
Left In: -0.049 ± 3.093 χ^2/NDF : 12.1/21

+ sign -2.371 ± 2.476 χ^2/NDF : 49.7/40

All: -1.031 ± 1.768 χ^2/NDF : 82.6/81

- sign 0.366 ± 2.527 χ^2/NDF : 32.3/40

diff_bpm11X_rms vs Slug



Right In: 11584.044+/-3.200 χ^2/NDF : 241550.8/16

Left Out: 12275.540+/-2.092 χ^2/NDF : 1496643.2/23

Right Out: 11616.845+/-3.098 χ^2/NDF : 95463.1/18

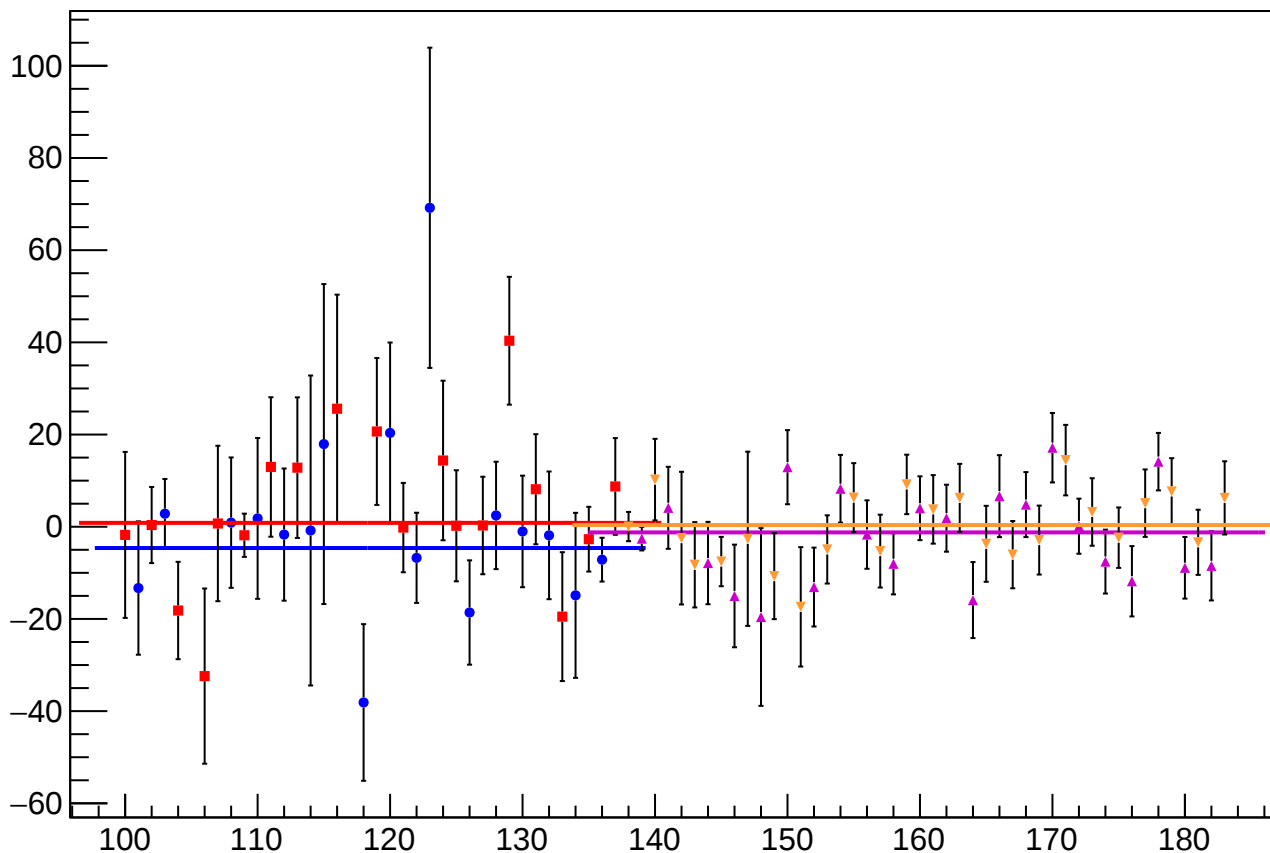
Left In: 12484.160+/-2.187 χ^2/NDF : 1354209.4/21

+ sign 12068.488+/-1.751 χ^2/NDF : 1770915.6/40

All: 12130.827+/-1.251 χ^2/NDF : 3275477.8/8

- sign 12195.746+/-1.787 χ^2/NDF : 1501974.3/40

diff_bpm11Y_mean vs Slug



Right In: -4.616 ± 2.782 χ^2/NDF : 14.8/16

Left Out: 0.372 ± 1.443 χ^2/NDF : 19.2/23

Right Out: 0.841 ± 2.431 χ^2/NDF : 22.5/18

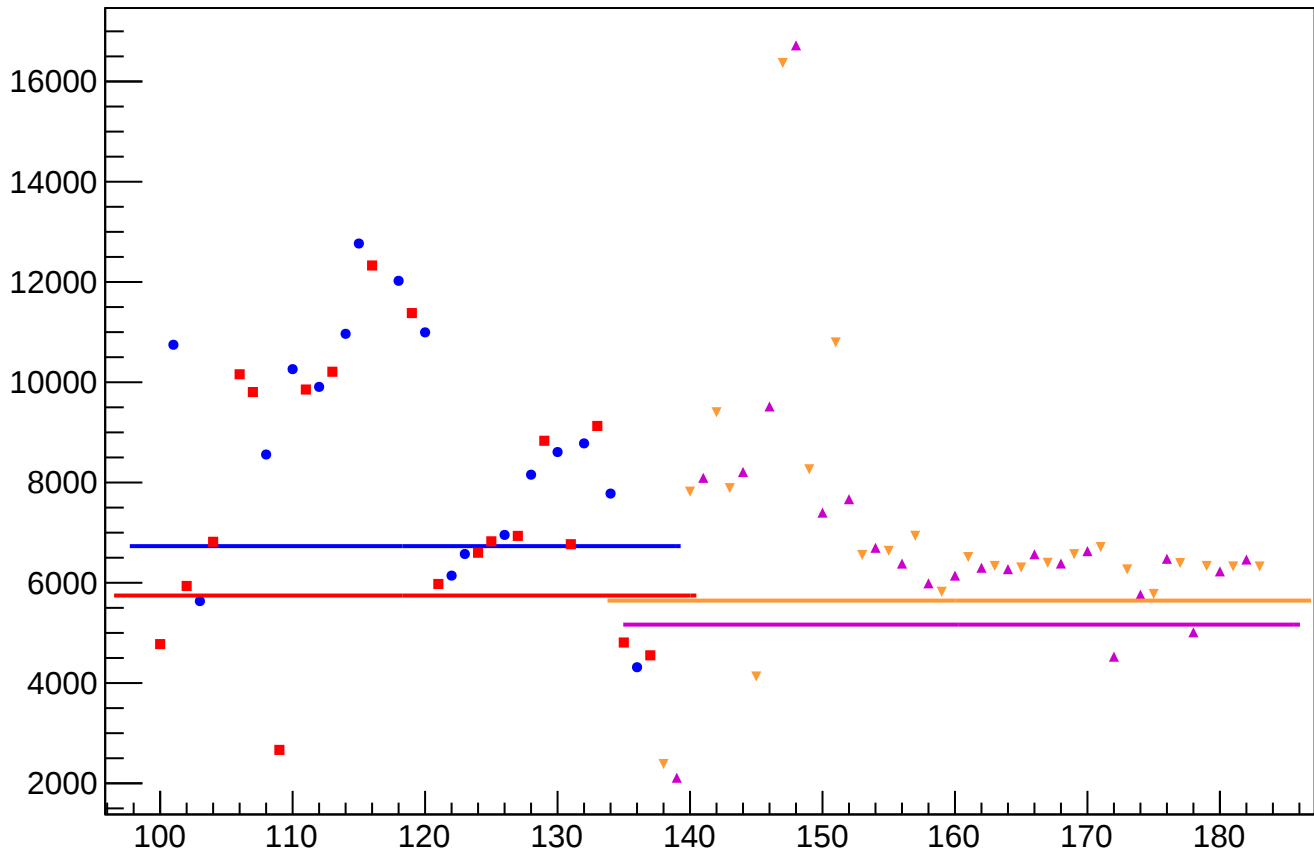
Left In: -1.226 ± 1.395 χ^2/NDF : 33.9/21

+ sign -0.686 ± 1.281 χ^2/NDF : 36.6/40

All: -0.701 ± 0.880 χ^2/NDF : 93.5/81

- sign -0.714 ± 1.210 χ^2/NDF : 57.0/40

diff_bpm11Y_rms vs Slug



Right In: 6730.931+/-1.967 χ^2/NDF : 1444572.7/16

Left Out: 5644.845+/-1.020 χ^2/NDF : 4114434.2/23

Right Out: 5745.707+/-1.719 χ^2/NDF : 2164630.9/18

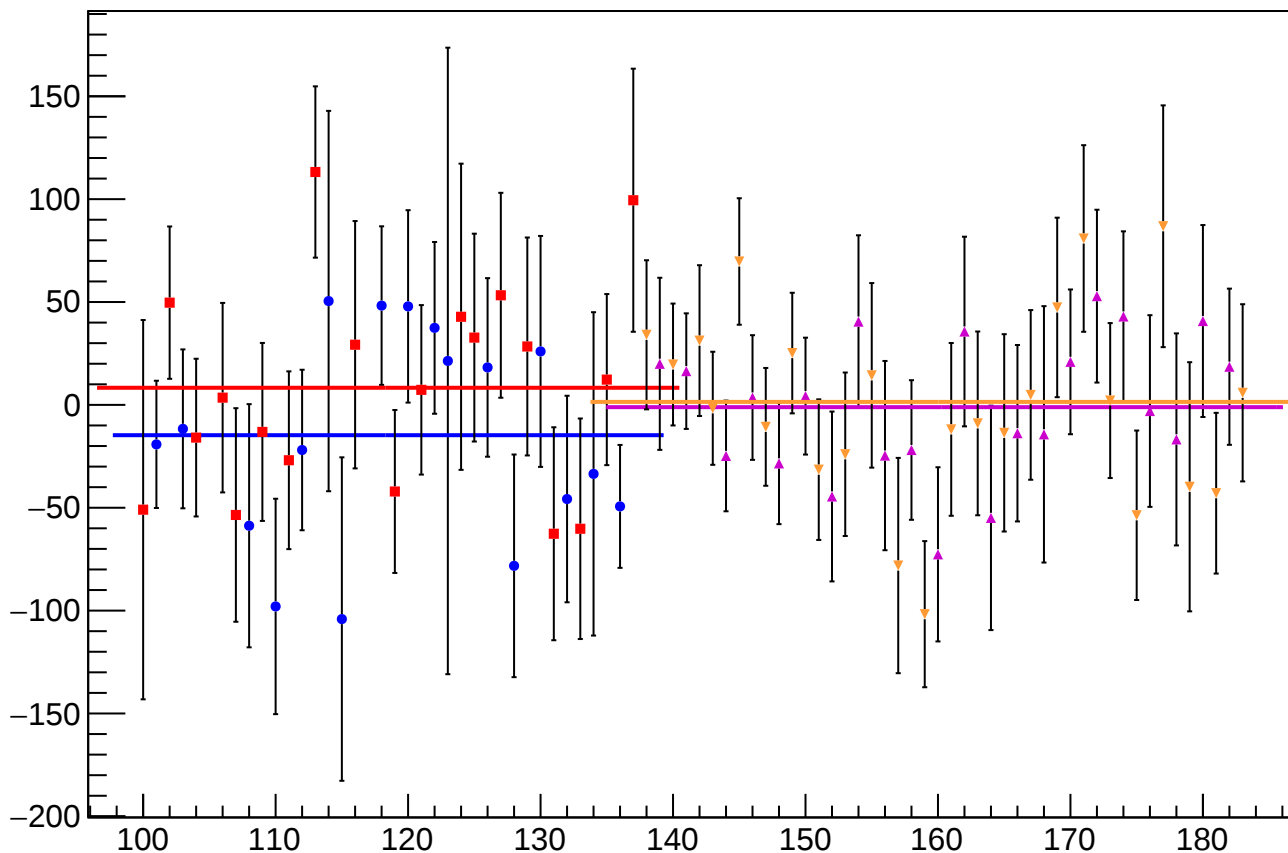
Left In: 5165.628+/-0.987 χ^2/NDF : 5332876.3/21

+ sign 5875.108+/-0.906 χ^2/NDF : 5799230.2/40

All: 5576.188+/-0.622 χ^2/NDF : 13588549.0/8

- sign 5309.399+/-0.856 χ^2/NDF : 7583182.5/40

diff_bpm12X_mean vs Slug



Right In: -14.734 ± 11.237 χ^2/NDF : 15.3/16

Left Out: 1.451 ± 7.736 χ^2/NDF : 29.9/23

Right Out: 8.323 ± 10.912 χ^2/NDF : 19.5/18

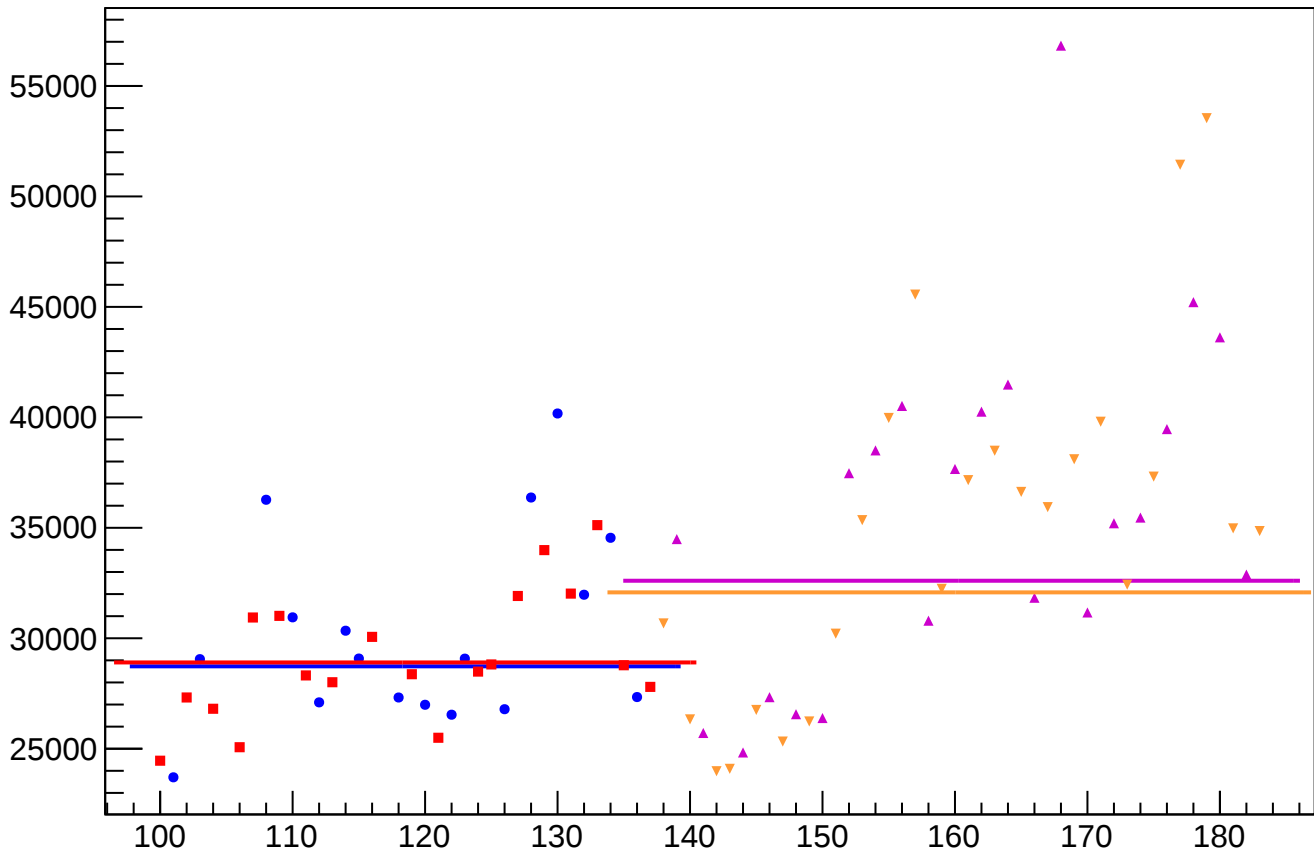
Left In: -1.106 ± 8.083 χ^2/NDF : 14.0/21

+ sign -3.753 ± 6.372 χ^2/NDF : 46.6/40

All: -0.817 ± 4.548 χ^2/NDF : 81.0/81

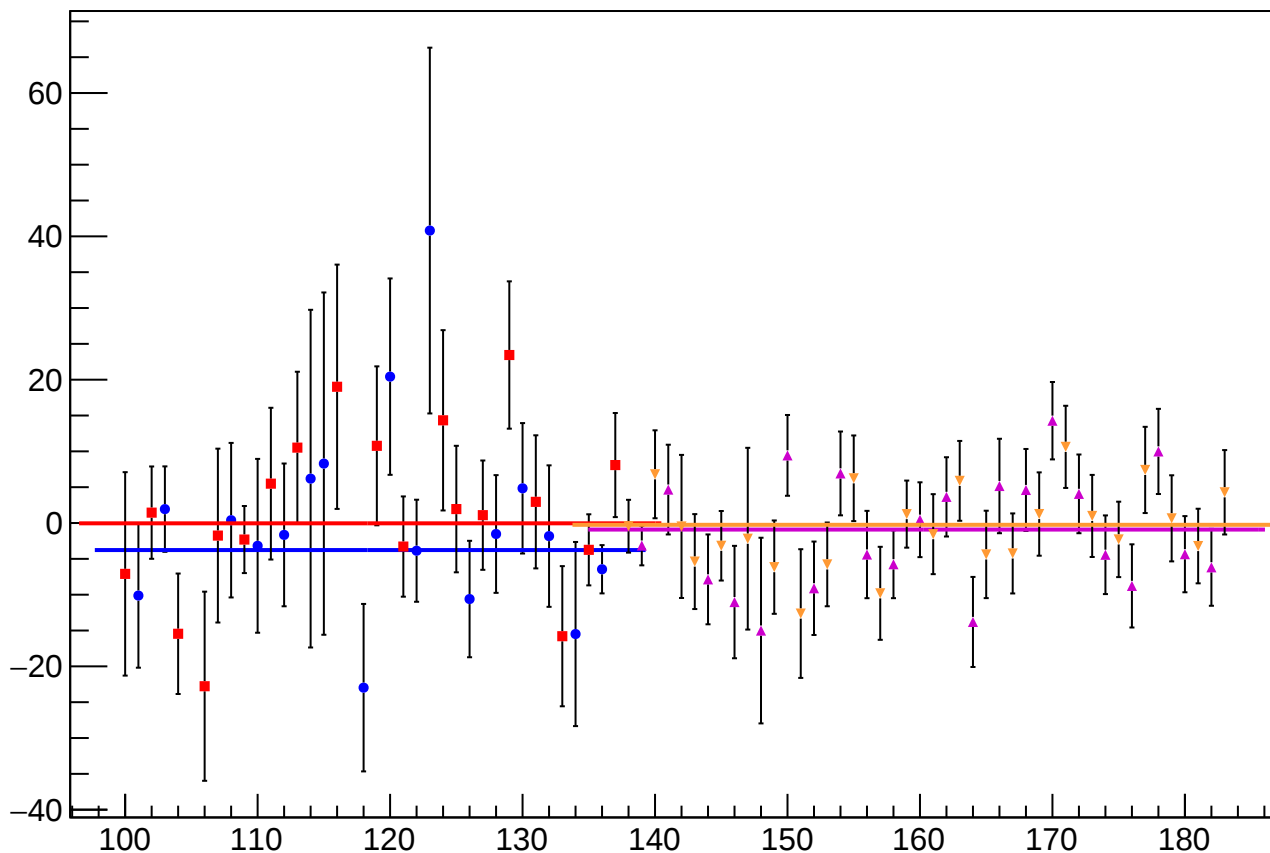
- sign 2.235 ± 6.495 χ^2/NDF : 33.9/40

diff_bpm12X_rms vs Slug



Right In: 28729.913+/-7.946	χ^2/NDF : 254816.0/16	+ sign 31001.032+/-4.505	χ^2/NDF : 1907388.5/40
Left Out: 32077.317+/-5.470	χ^2/NDF : 1532155.7/23	All: 31144.568+/-3.216	χ^2/NDF : 3568849.8/8
Right Out: 28905.793+/-7.716	χ^2/NDF : 112668.4/18	- sign 31293.720+/-4.593	χ^2/NDF : 1659391.7/40
Left In: 32603.864+/-5.715	χ^2/NDF : 1398404.9/21		

diff_bpm12Y_mean vs Slug



Right In: -3.773 ± 2.010 χ^2/NDF : 14.0/16

Left Out: -0.250 ± 1.182 χ^2/NDF : 18.0/23

Right Out: -0.042 ± 1.894 χ^2/NDF : 21.7/18

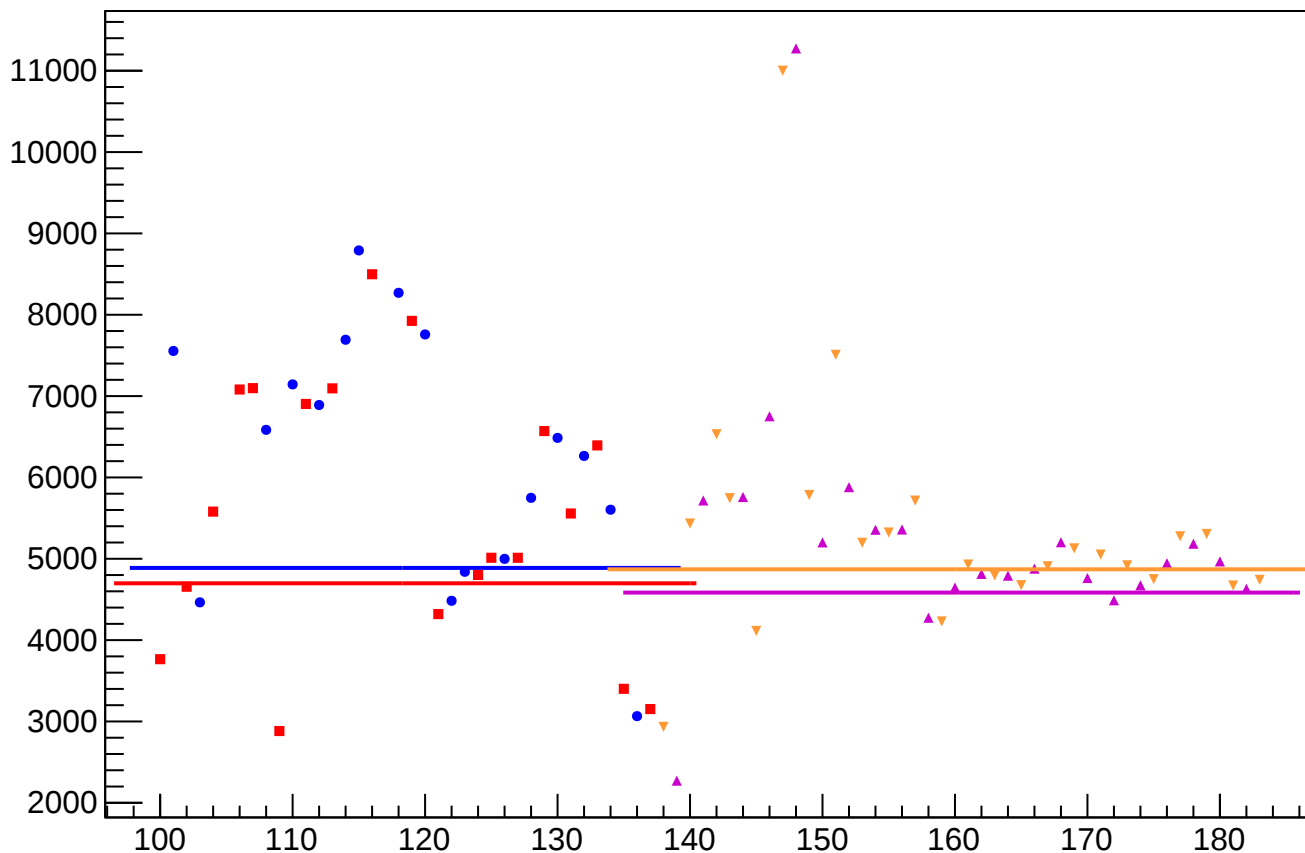
Left In: -0.915 ± 1.165 χ^2/NDF : 36.1/21

+ sign -1.155 ± 1.019 χ^2/NDF : 34.3/40

All: -0.909 ± 0.711 χ^2/NDF : 92.4/81

- sign -0.675 ± 0.992 χ^2/NDF : 57.9/40

diff_bpm12Y_rms vs Slug



Right In: 4887.759+/-1.421 χ^2/NDF : 1408633.3/16

Left Out: 4870.580+/-0.836 χ^2/NDF : 1509997.7/23

Right Out: 4698.374+/-1.339 χ^2/NDF : 1316063.8/18

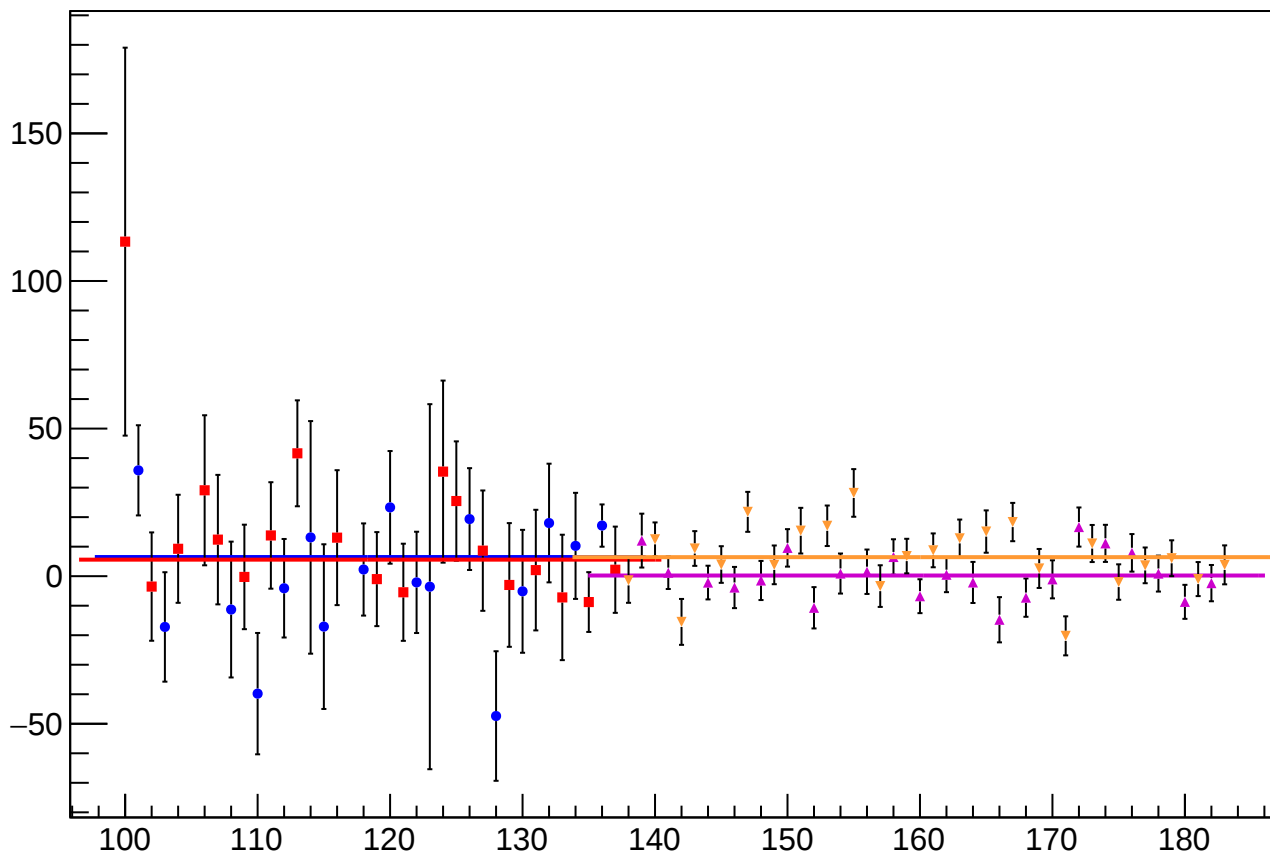
Left In: 4584.480+/-0.824 χ^2/NDF : 2478271.5/21

+ sign 4874.995+/-0.721 χ^2/NDF : 2918739.6/40

All: 4741.895+/-0.503 χ^2/NDF : 6784783.1/81

- sign 4615.731+/-0.702 χ^2/NDF : 3799582.8/40

diff_bpm16X_mean vs Slug



Right In: 6.482 ± 4.072 χ^2/NDF : 22.7/16

Left Out: 6.445 ± 1.323 χ^2/NDF : 55.9/23

Right Out: 5.601 ± 4.227 χ^2/NDF : 13.6/18

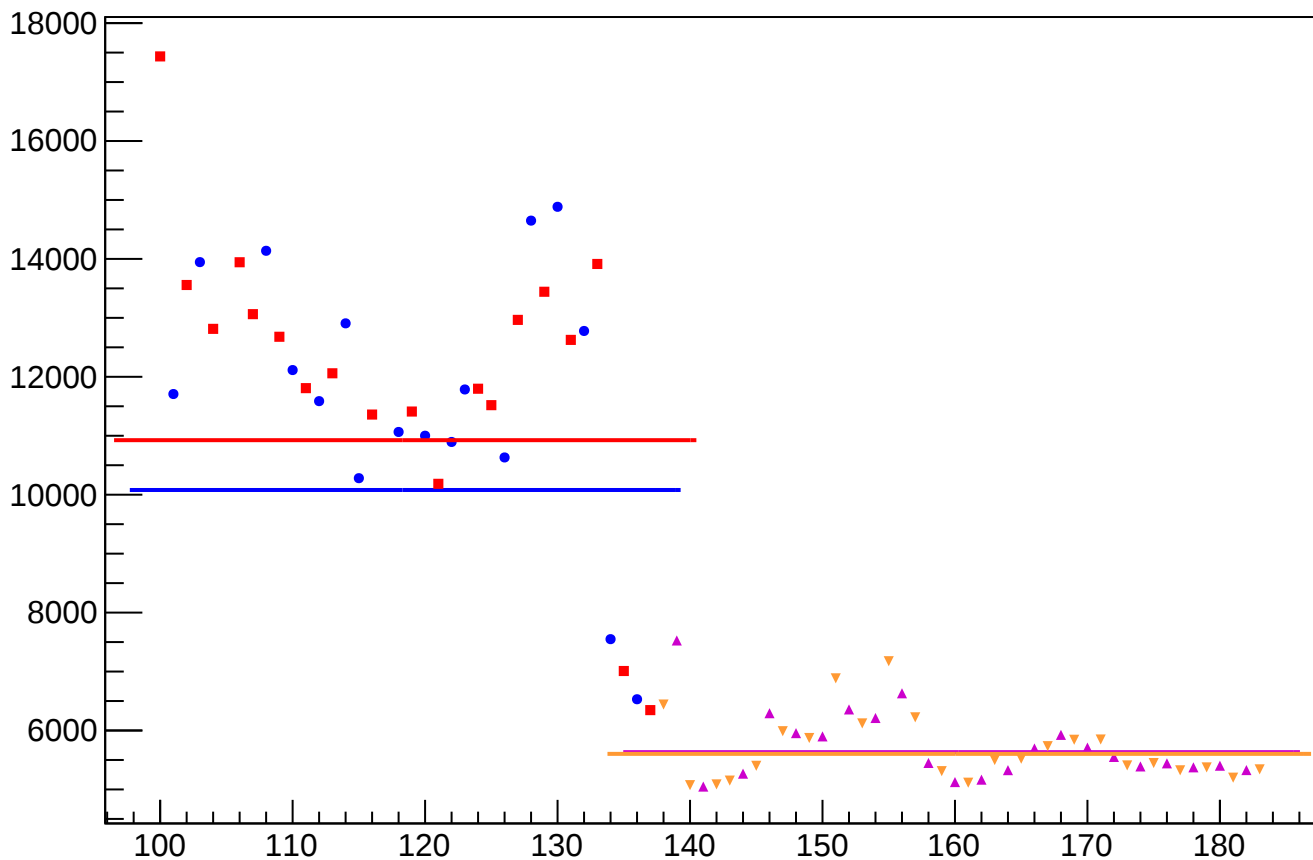
Left In: 0.225 ± 1.371 χ^2/NDF : 28.0/21

+ sign 6.449 ± 1.258 χ^2/NDF : 78.7/40

All: 3.696 ± 0.905 χ^2/NDF : 131.6/81

- sign 0.737 ± 1.304 χ^2/NDF : 43.0/40

diff_bpm16X_rms vs Slug



Right In: 10079.938 $\pm$ 2.879 χ^2 /NDF: 999414.2/16

Left Out: 5603.616 $\pm$ 0.935 χ^2 /NDF: 281503.5/23

Right Out: 10924.946 $\pm$ 2.989 χ^2 /NDF: 769663.7/18

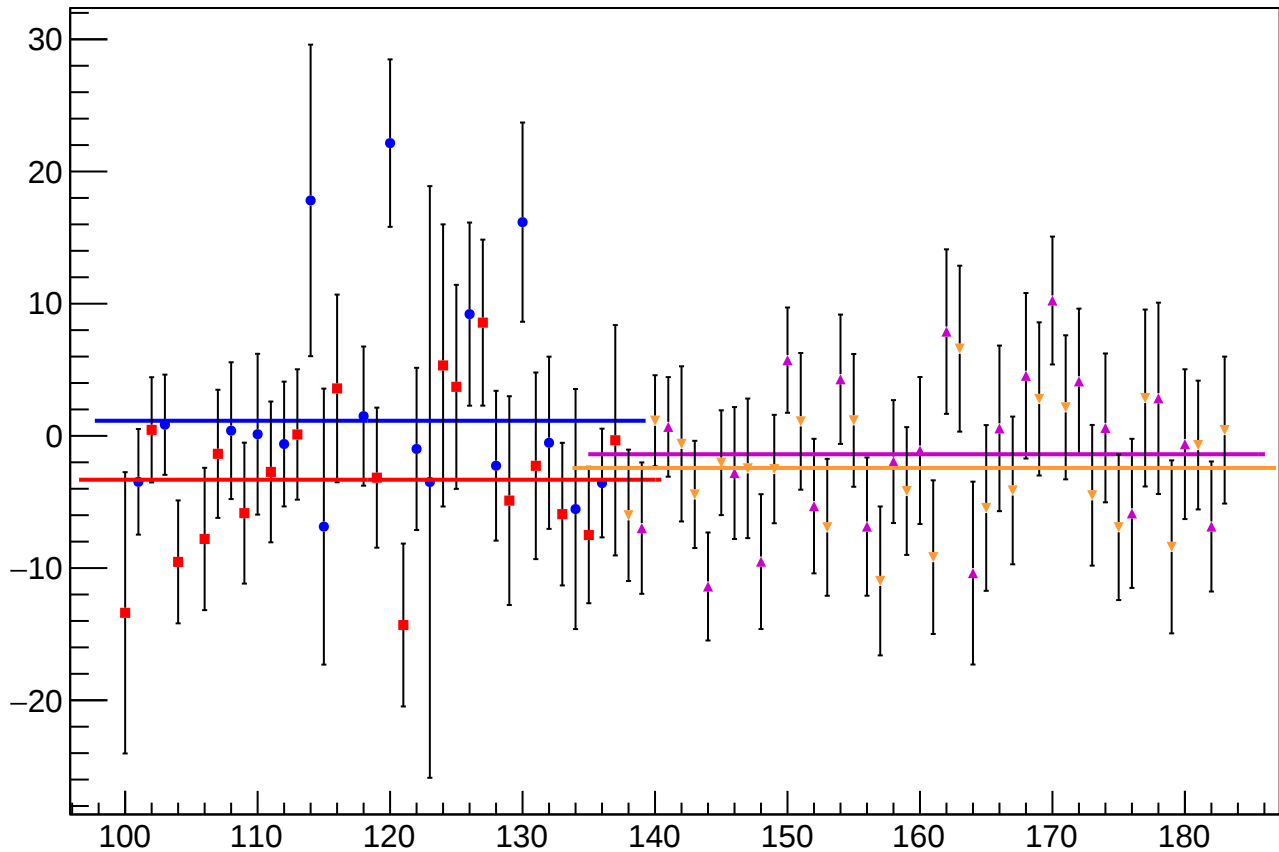
Left In: 5632.884 $\pm$ 0.969 χ^2 /NDF: 269263.0/21

+ sign 6030.797 $\pm$ 0.890 χ^2 /NDF: 3466970.9/40

All: 6081.795 $\pm$ 0.640 χ^2 /NDF: 7349230.8/83

- sign 6136.601 $\pm$ 0.922 χ^2 /NDF: 3875440.5/40

diff_bpm16Y_mean vs Slug



Right In: 1.144 ± 1.398 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -2.424 ± 1.039 $\chi^2/\text{NDF}: 14.0/23$

Right Out: -3.316 ± 1.335 $\chi^2/\text{NDF}: 15.4/18$

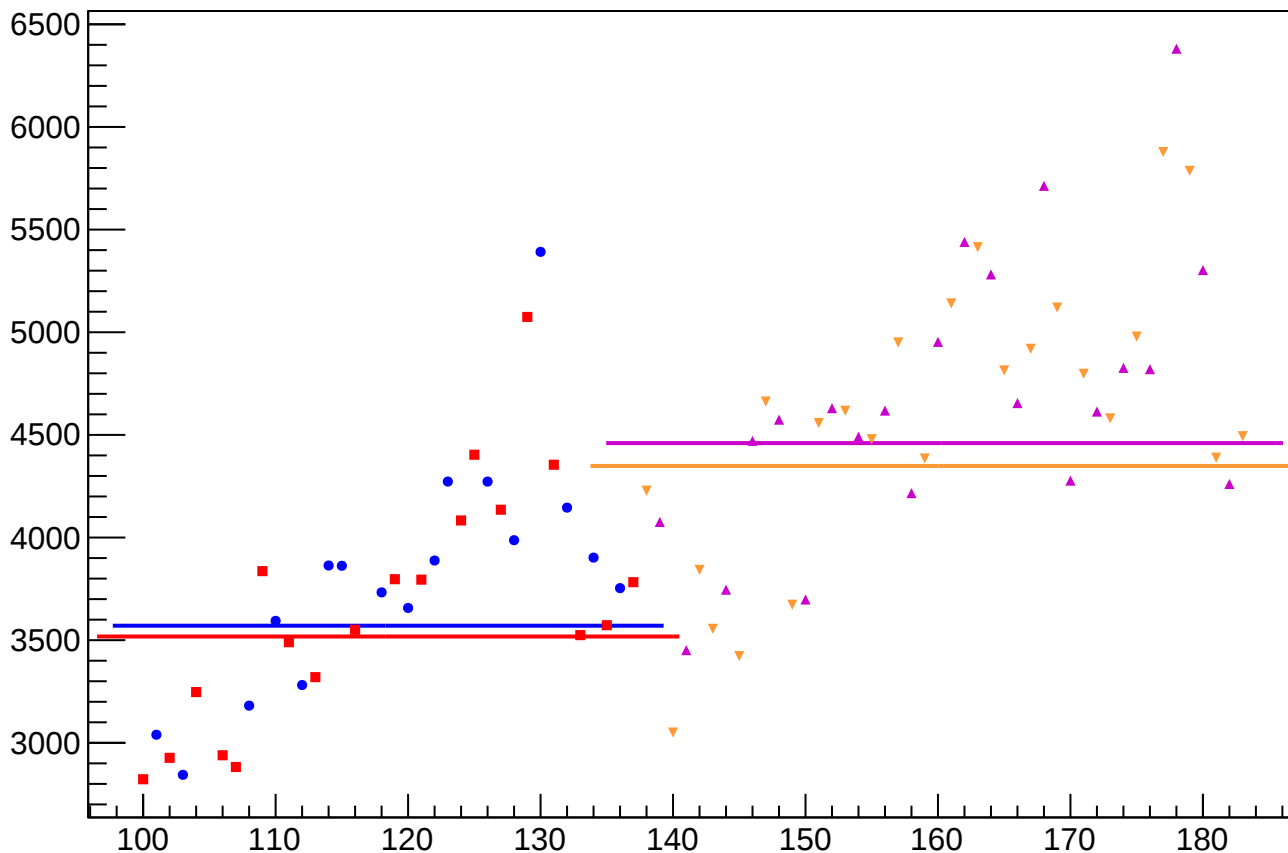
Left In: -1.388 ± 1.094 $\chi^2/\text{NDF}: 30.5/21$

+ sign -1.154 ± 0.834 $\chi^2/\text{NDF}: 41.1/40$

All: -1.651 ± 0.594 $\chi^2/\text{NDF}: 89.0/81$

- sign -2.162 ± 0.846 $\chi^2/\text{NDF}: 47.1/40$

diff_bpm16Y_rms vs Slug



Right In: 3570.545 $\pm$ 0.988 χ^2 /NDF: 310402.0/16

Left Out: 4348.686 $\pm$ 0.735 χ^2 /NDF: 988936.8/23

Right Out: 3517.953 $\pm$ 0.944 χ^2 /NDF: 296177.1/18

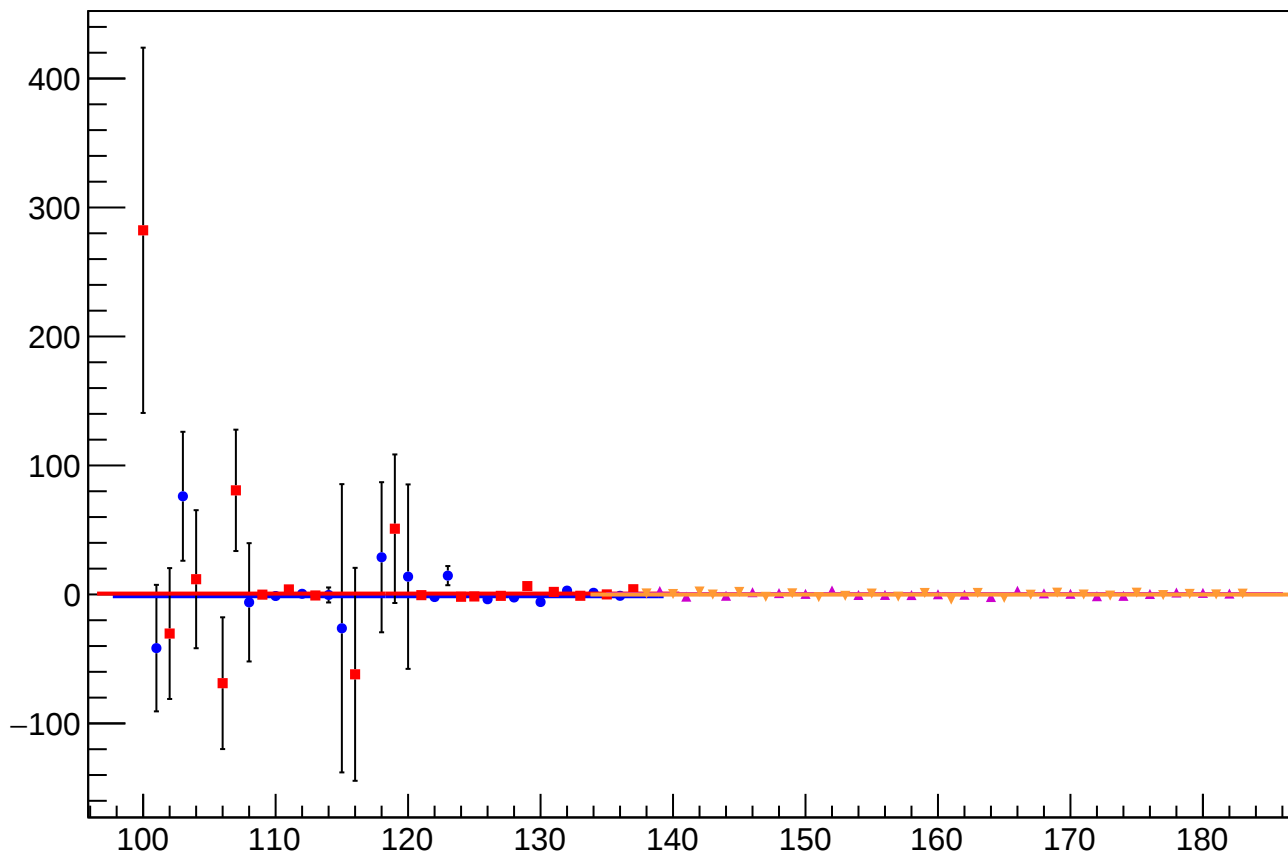
Left In: 4460.049 $\pm$ 0.773 χ^2 /NDF: 685220.9/21

+ sign 4071.809 $\pm$ 0.590 χ^2 /NDF: 1698666.7/40

All: 4076.743 $\pm$ 0.420 χ^2 /NDF: 3276103.5/83

- sign 4081.824 $\pm$ 0.598 χ^2 /NDF: 1577294.6/40

diff_bpm1p02bX_mean vs Slug



Right In: -1.402 ± 0.751 $\chi^2/\text{NDF}: 16.7/16$

Left Out: -0.080 ± 0.250 $\chi^2/\text{NDF}: 34.2/23$

Right Out: 0.664 ± 0.713 $\chi^2/\text{NDF}: 21.5/18$

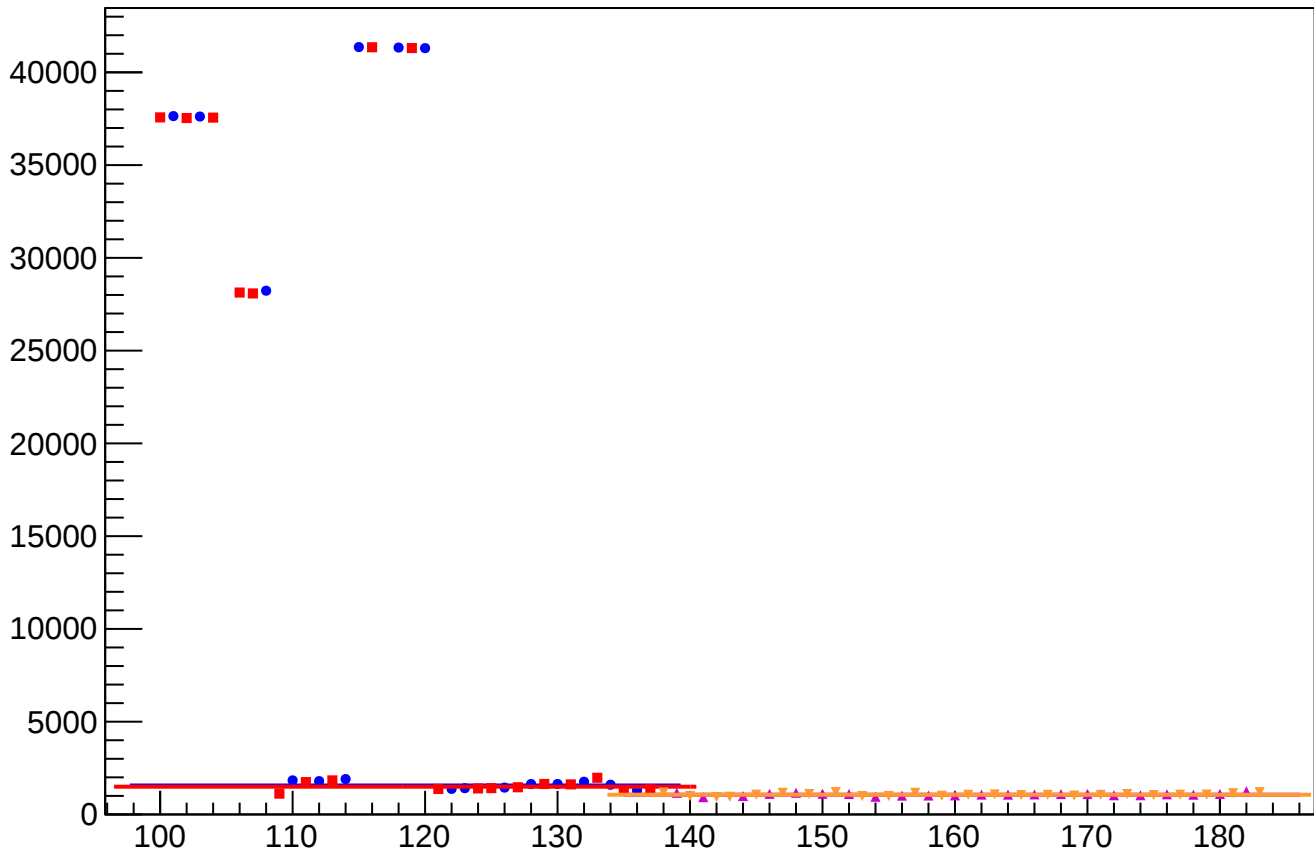
Left In: 0.273 ± 0.258 $\chi^2/\text{NDF}: 27.0/21$

+ sign -0.212 ± 0.237 $\chi^2/\text{NDF}: 53.7/40$

All: 0.047 ± 0.170 $\chi^2/\text{NDF}: 104.8/81$

- sign 0.318 ± 0.243 $\chi^2/\text{NDF}: 48.7/40$

diff_bpm1p02bX_rms vs Slug



Right In: 1560.531 $\pm$ 0.531 χ^2 /NDF: 4753218.6/16

Left Out: 1062.232 $\pm$ 0.177 χ^2 /NDF: 163009.3/23

Right Out: 1496.346 $\pm$ 0.504 χ^2 /NDF: 4893466.6/18

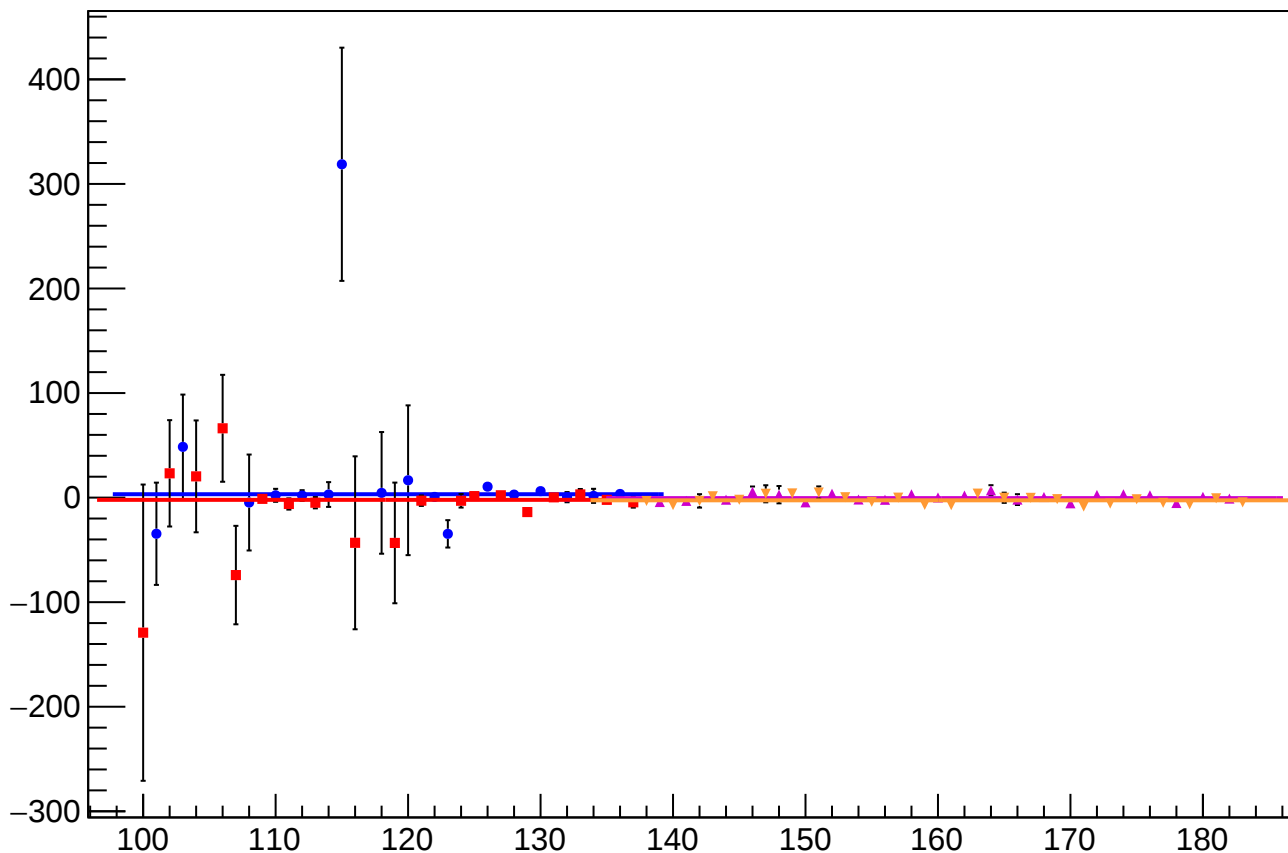
Left In: 1063.641 $\pm$ 0.183 χ^2 /NDF: 145954.9/21

+ sign 1112.019 $\pm$ 0.168 χ^2 /NDF: 5709571.1/40

All: 1112.925 $\pm$ 0.120 χ^2 /NDF: 11400050.3/8

- sign 1113.875 $\pm$ 0.172 χ^2 /NDF: 5690419.4/40

diff_bpm1p02bY_mean vs Slug



Right In: 3.232 $\pm$ 1.328 χ^2 /NDF: 22.2/16

Left Out: -2.580 $\pm$ 0.815 χ^2 /NDF: 17.7/23

Right Out: -2.138 $\pm$ 1.239 χ^2 /NDF: 16.5/18

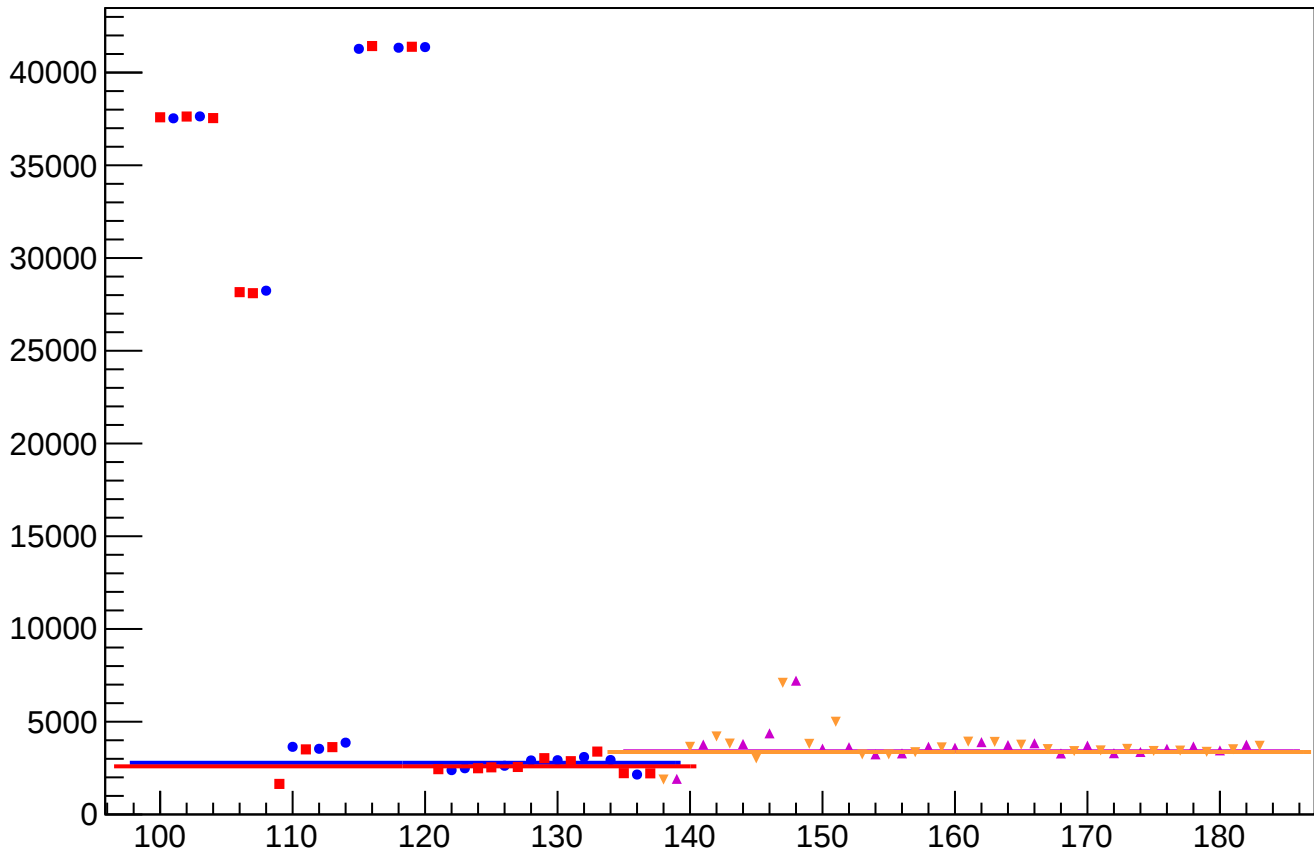
Left In: -0.496 $\pm$ 0.849 χ^2 /NDF: 15.4/21

+ sign -0.990 $\pm$ 0.695 χ^2 /NDF: 53.9/40

All: -1.005 $\pm$ 0.493 χ^2 /NDF: 87.0/81

- sign -1.021 $\pm$ 0.700 χ^2 /NDF: 33.1/40

diff_bpm1p02bY_rms vs Slug



Right In: 2786.135 $\pm$ 0.939 χ^2 /NDF: 4576694.3/16

Left Out: 3367.264 $\pm$ 0.576 χ^2 /NDF: 1647738.7/23

Right Out: 2593.843 $\pm$ 0.876 χ^2 /NDF: 4848397.1/18

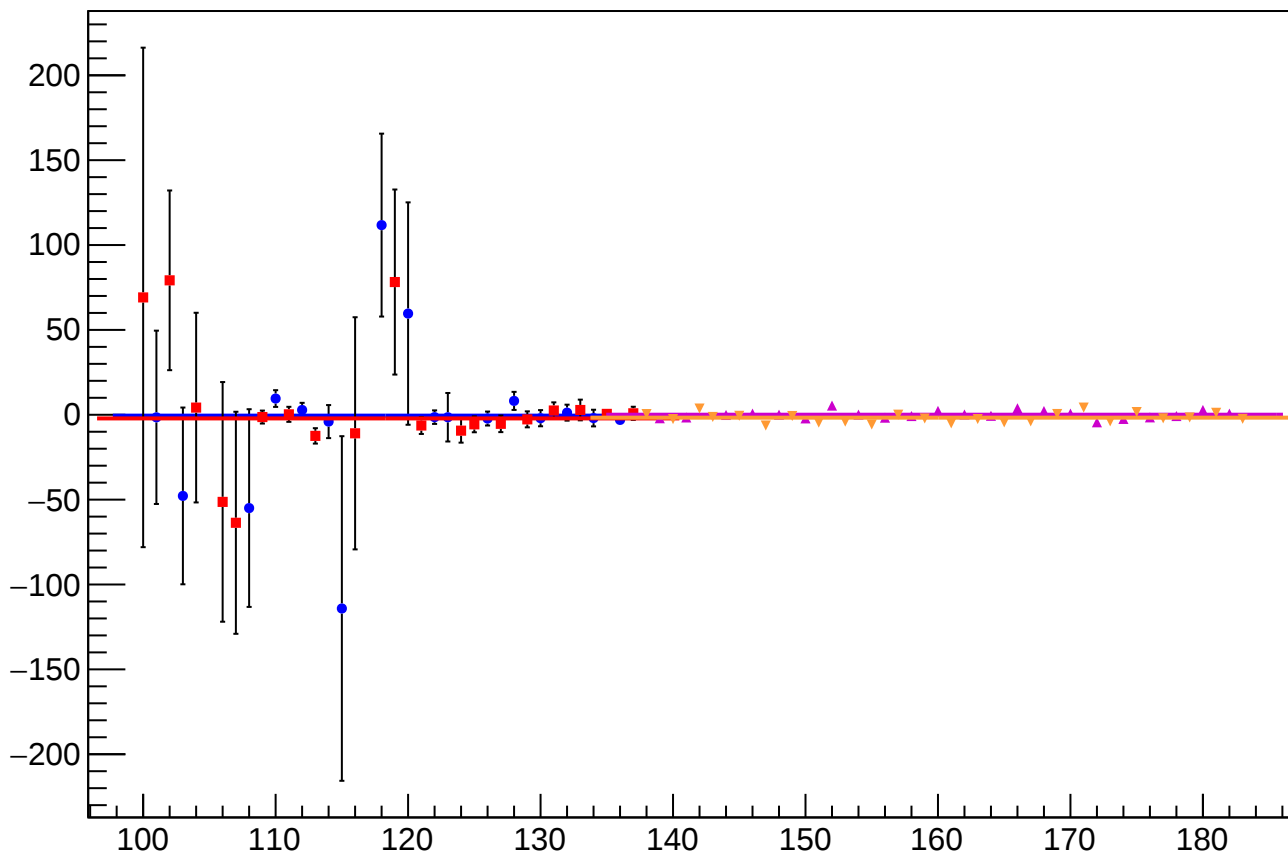
Left In: 3407.408 $\pm$ 0.600 χ^2 /NDF: 1430672.8/21

+ sign 3208.251 $\pm$ 0.491 χ^2 /NDF: 6502730.3/40

All: 3178.129 $\pm$ 0.349 χ^2 /NDF: 13375973.4/8

- sign 3147.490 $\pm$ 0.495 χ^2 /NDF: 6865654.5/40

diff_bpm1p03aX_mean vs Slug



Right In: -0.510 ± 1.222 χ^2/NDF : 18.0/16

Left Out: -1.700 ± 0.391 χ^2/NDF : 45.2/23

Right Out: -2.152 ± 1.250 χ^2/NDF : 17.6/18

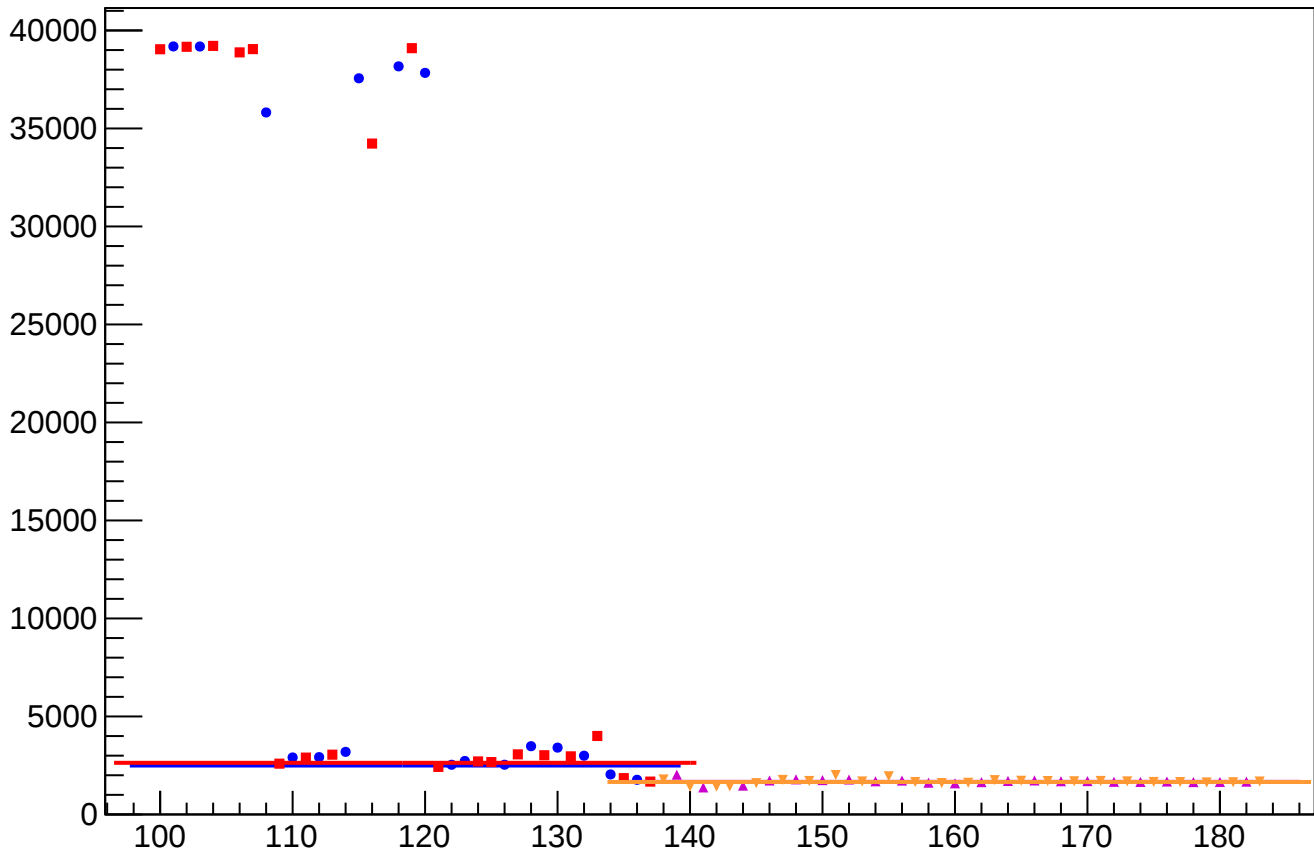
Left In: 0.034 ± 0.404 χ^2/NDF : 27.7/21

+ sign -1.590 ± 0.372 χ^2/NDF : 64.1/40

All: -0.905 ± 0.267 χ^2/NDF : 119.1/81

- sign -0.173 ± 0.385 χ^2/NDF : 48.1/40

diff_bpm1p03aX_rms vs Slug



Right In: 2496.856+/-0.864 χ^2/NDF : 4887806.1/16

Left Out: 1656.872+/-0.276 χ^2/NDF : 222617.6/23

Right Out: 2634.601+/-0.884 χ^2/NDF : 4861733.2/18

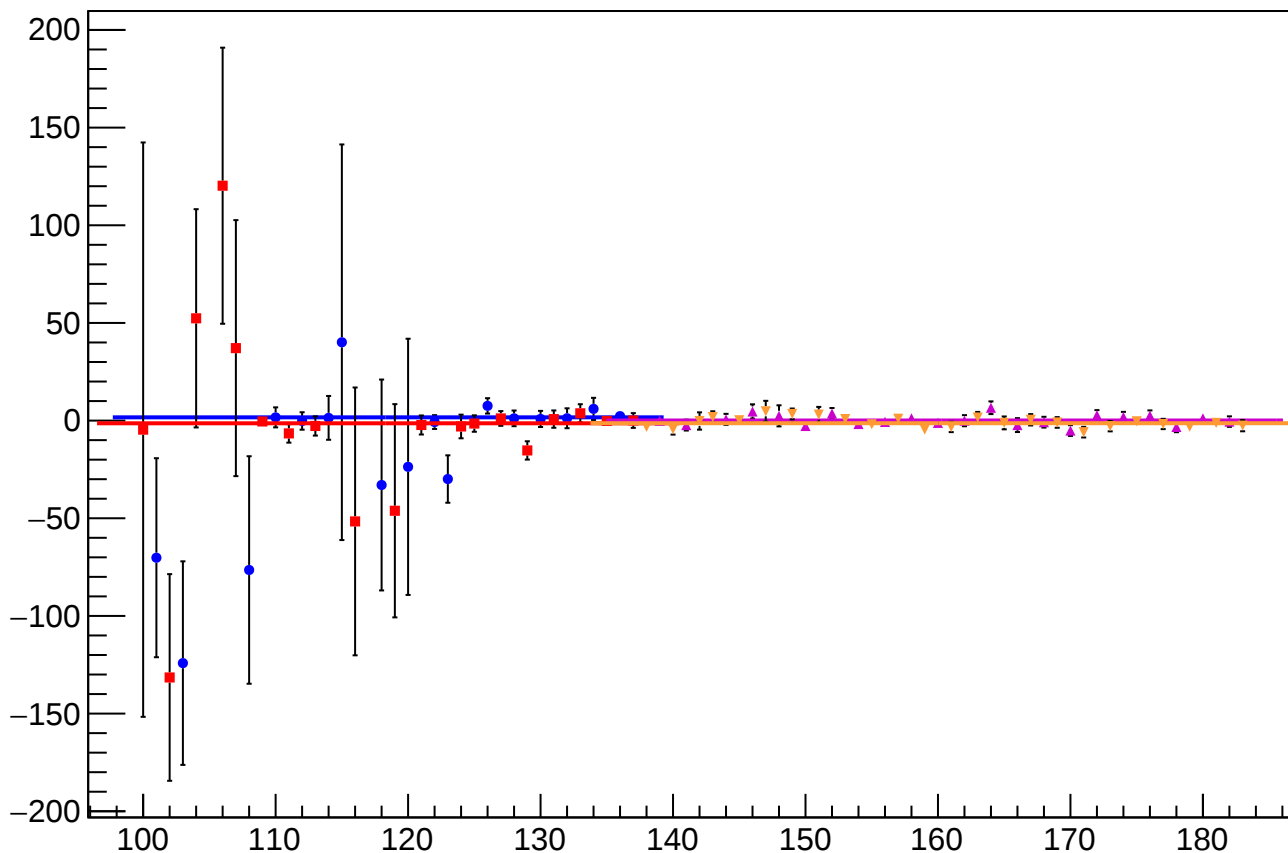
Left In: 1662.980+/-0.286 χ^2/NDF : 178541.5/21

+ sign 1734.721+/-0.263 χ^2/NDF : 5967996.3/40

All: 1744.512+/-0.189 χ^2/NDF : 12105082.7/8

- sign 1754.981+/-0.272 χ^2/NDF : 6134219.2/40

diff_bpm1p03aY_mean vs Slug



Right In: 1.671 ± 1.146 χ^2/NDF : 20.7/16

Left Out: -1.339 ± 0.538 χ^2/NDF : 19.5/23

Right Out: -1.380 ± 1.065 χ^2/NDF : 24.1/18

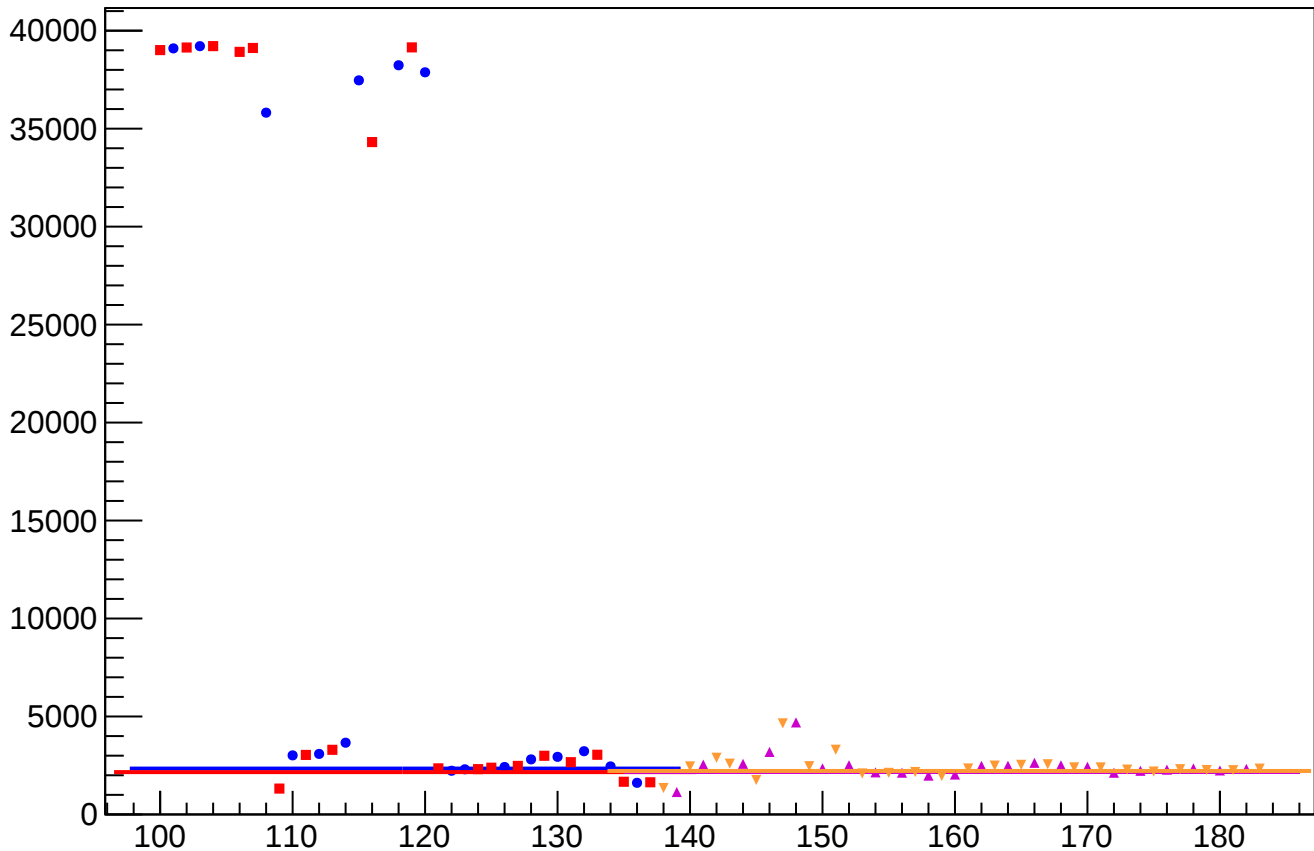
Left In: 0.056 ± 0.546 χ^2/NDF : 18.9/21

+ sign -0.795 ± 0.487 χ^2/NDF : 45.9/40

All: -0.518 ± 0.344 χ^2/NDF : 91.0/81

- sign -0.243 ± 0.486 χ^2/NDF : 44.4/40

diff_bpm1p03aY_rms vs Slug



Right In: 2341.220+/-0.810 χ^2/NDF : 5006482.9/16

Left Out: 2220.010+/-0.381 χ^2/NDF : 1420051.1/23

Right Out: 2161.211+/-0.753 χ^2/NDF : 5301782.5/18

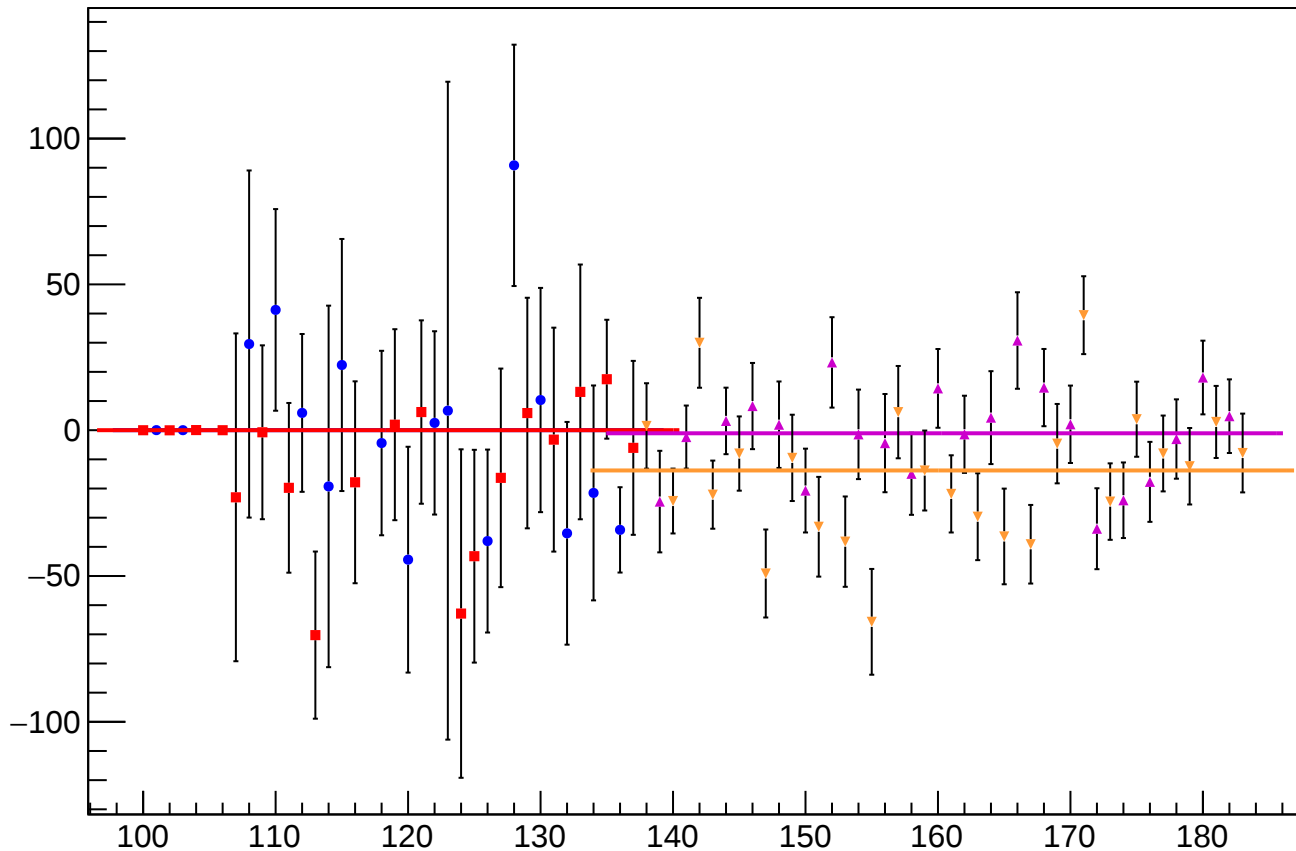
Left In: 2167.315+/-0.386 χ^2/NDF : 1972930.6/21

+ sign 2241.919+/-0.345 χ^2/NDF : 6444857.1/40

All: 2203.847+/-0.243 χ^2/NDF : 13743950.2/8

- sign 2166.047+/-0.343 χ^2/NDF : 7274765.1/40

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 16.6/16

Left Out: -13.804 ± 2.824 χ^2/NDF : 57.9/23

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.5/18

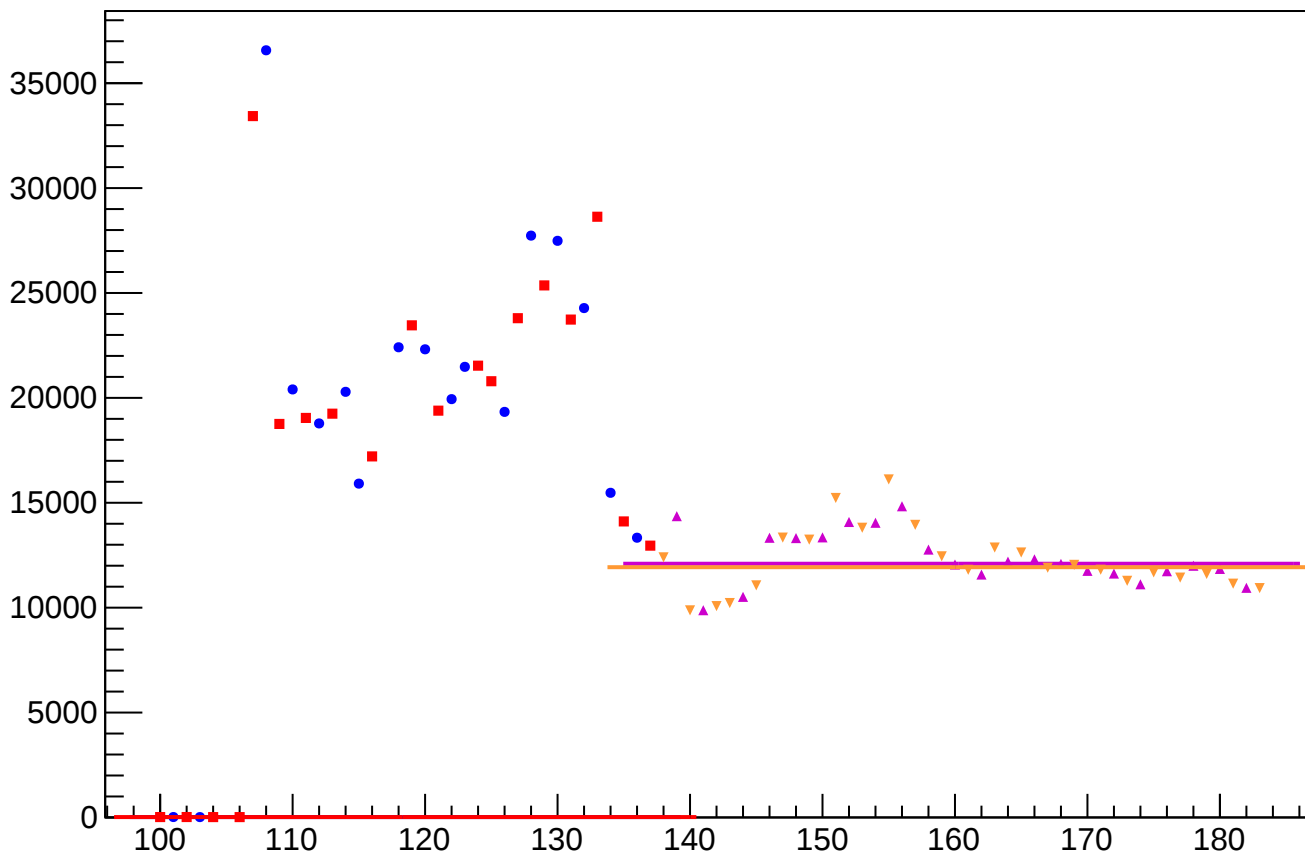
Left In: -1.058 ± 2.948 χ^2/NDF : 27.0/21

+ sign 0.013 ± 0.017 χ^2/NDF : 98.4/40

All: 0.008 ± 0.012 χ^2/NDF : 141.3/81

- sign 0.003 ± 0.016 χ^2/NDF : 42.7/40

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2/NDF : 10941777.3/16

Left Out: 11928.991+/-1.997 χ^2/NDF : 471241.2/23

Right Out: 18.311+/-0.011 χ^2/NDF : 11063399.8/18

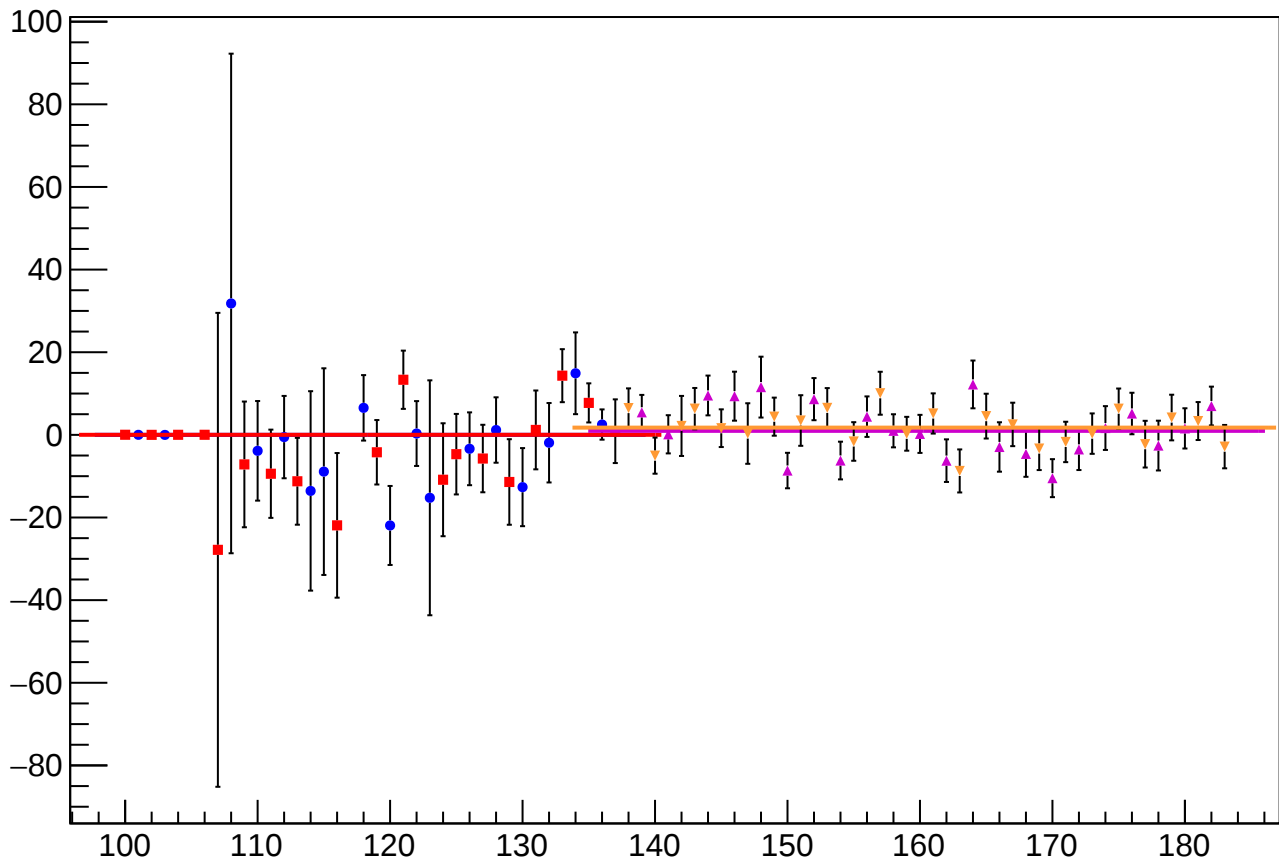
Left In: 12093.849+/-2.085 χ^2/NDF : 359238.9/21

+ sign 19.090+/-0.012 χ^2/NDF : 46988824.4/40

All: 18.864+/-0.008 χ^2/NDF : 91968492.8/81

- sign 18.670+/-0.011 χ^2/NDF : 44979037.1/40

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 12.9/16

Left Out: 1.753 $\pm$ 1.031 χ^2 /NDF: 17.7/23

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.8/18

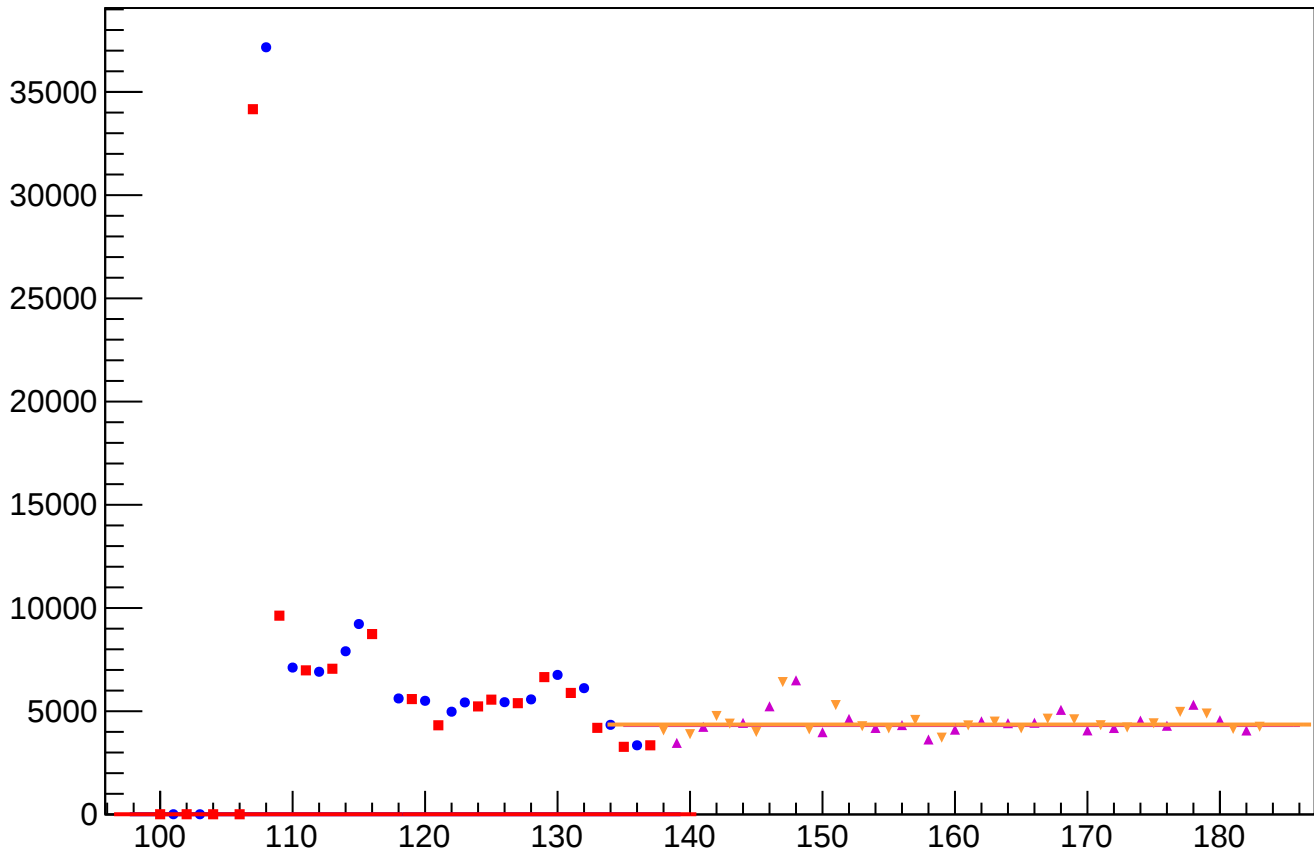
Left In: 0.969 $\pm$ 1.060 χ^2 /NDF: 35.6/21

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 33.5/40

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 89.8/81

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 55.1/40

diff_cav4bY_rms vs Slug



Right In: 9.939 $\pm$ 0.007 χ^2 /NDF: 11067258.7/16

Left Out: 4355.524 $\pm$ 0.729 χ^2 /NDF:379043.2/23

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11113759.9/18

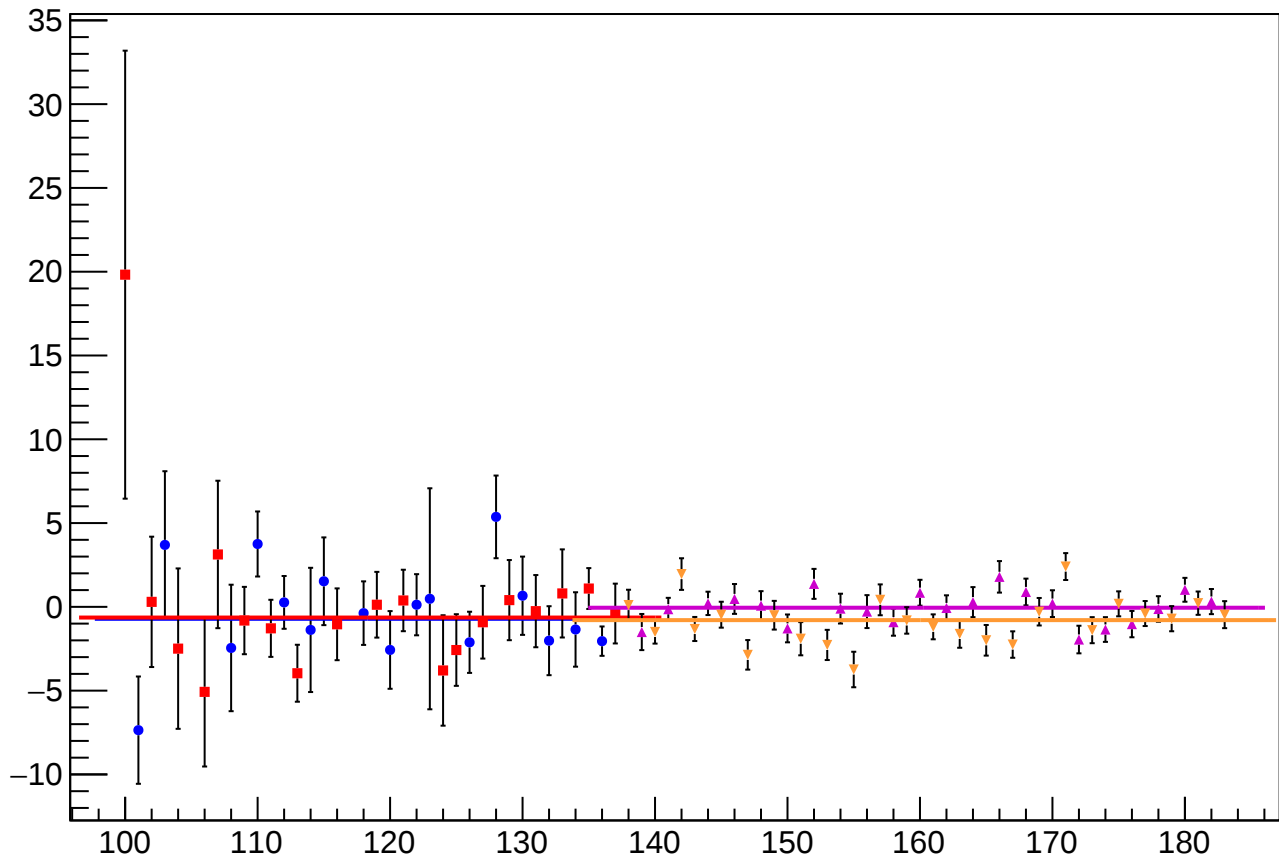
Left In: 4330.893 $\pm$ 0.749 χ^2 /NDF:507166.0/21

+ sign 10.285 $\pm$ 0.007 χ^2 /NDF: 47002224.7/40

All: 10.209 $\pm$ 0.004 χ^2 /NDF: 91881784.3/81

- sign 10.142 $\pm$ 0.006 χ^2 /NDF: 44879302.9/40

diff_cav4cX_mean vs Slug



Right In: -0.713 ± 0.483 χ^2/NDF : 22.7/16

Left Out: -0.792 ± 0.166 χ^2/NDF : 57.8/23

Right Out: -0.638 ± 0.501 χ^2/NDF : 13.1/18

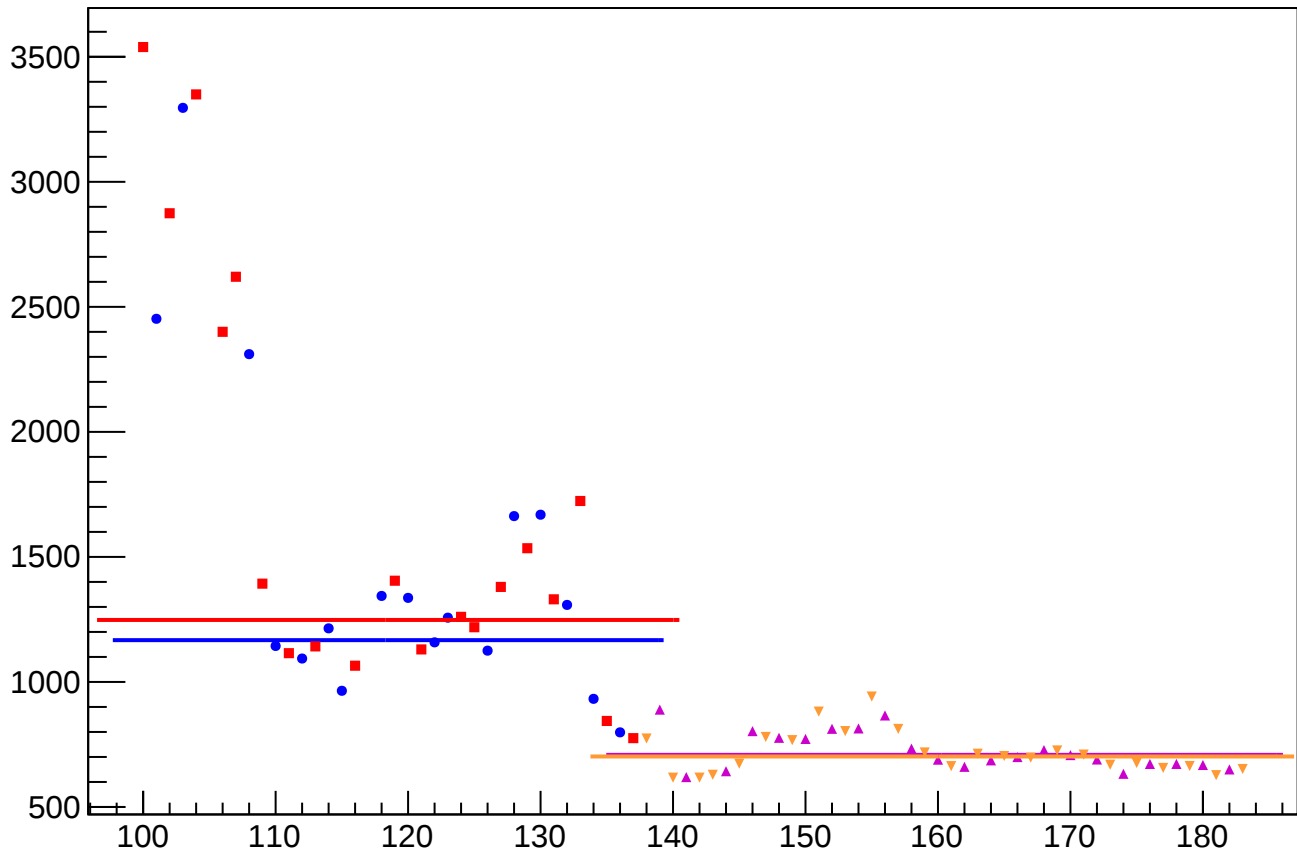
Left In: -0.052 ± 0.173 χ^2/NDF : 27.5/21

+ sign -0.784 ± 0.157 χ^2/NDF : 80.6/40

All: -0.462 ± 0.113 χ^2/NDF : 131.1/81

- sign -0.114 ± 0.163 χ^2/NDF : 41.8/40

diff_cav4cX_rms vs Slug



Right In: 1167.121 $\pm$ 0.342 χ^2 /NDF: 1580218.1/16

Left Out: 701.892 $\pm$ 0.117 χ^2 /NDF: 389129.7/23

Right Out: 1247.915 $\pm$ 0.355 χ^2 /NDF: 1653323.6/18

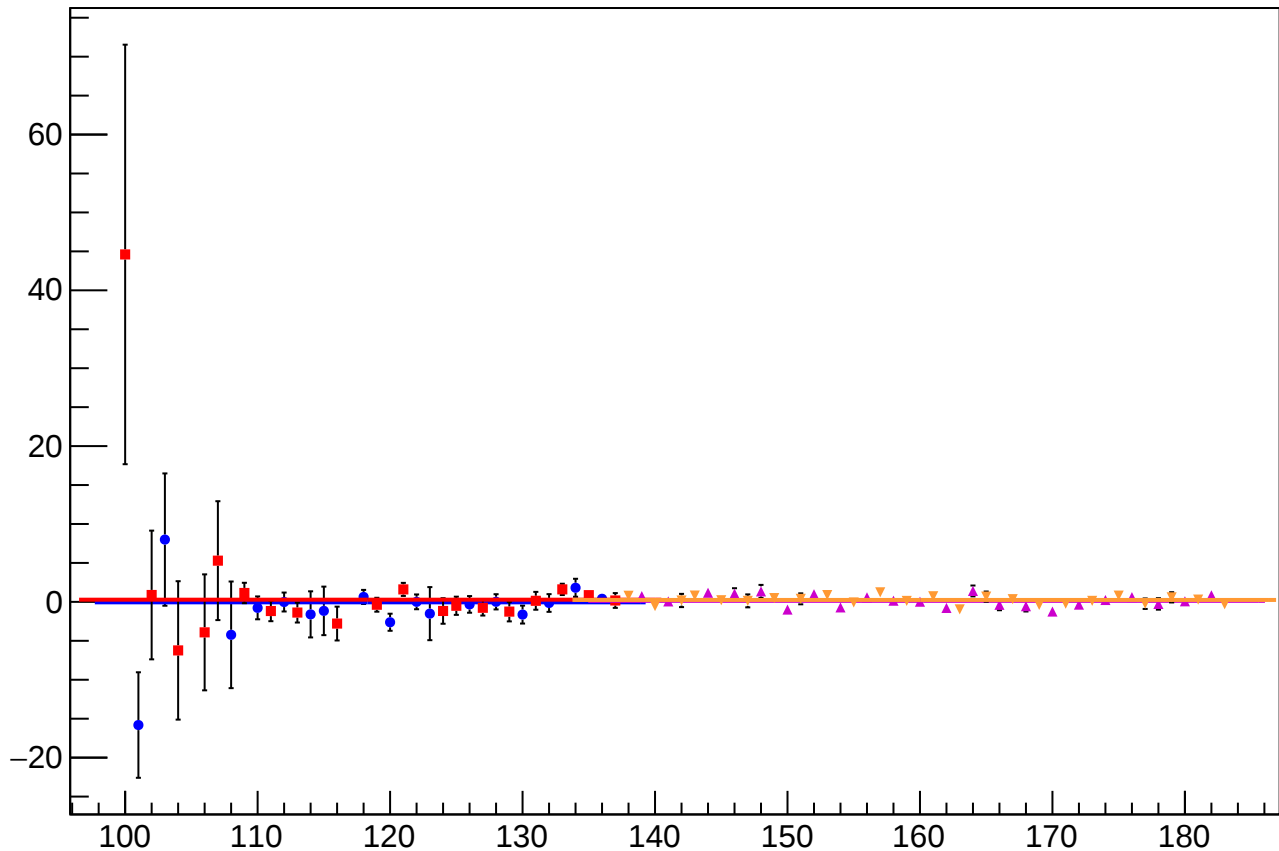
Left In: 708.407 $\pm$ 0.122 χ^2 /NDF: 325230.9/21

+ sign 750.972 $\pm$ 0.111 χ^2 /NDF: 3628288.0/40

All: 757.962 $\pm$ 0.080 χ^2 /NDF: 7684892.0/81

- sign 765.520 $\pm$ 0.115 χ^2 /NDF: 4048343.7/40

diff_cav4cY_mean vs Slug



Right In: -0.060 ± 0.269 χ^2/NDF : 19.1/16

Left Out: 0.246 ± 0.124 χ^2/NDF : 17.3/23

Right Out: 0.280 ± 0.264 χ^2/NDF : 20.5/18

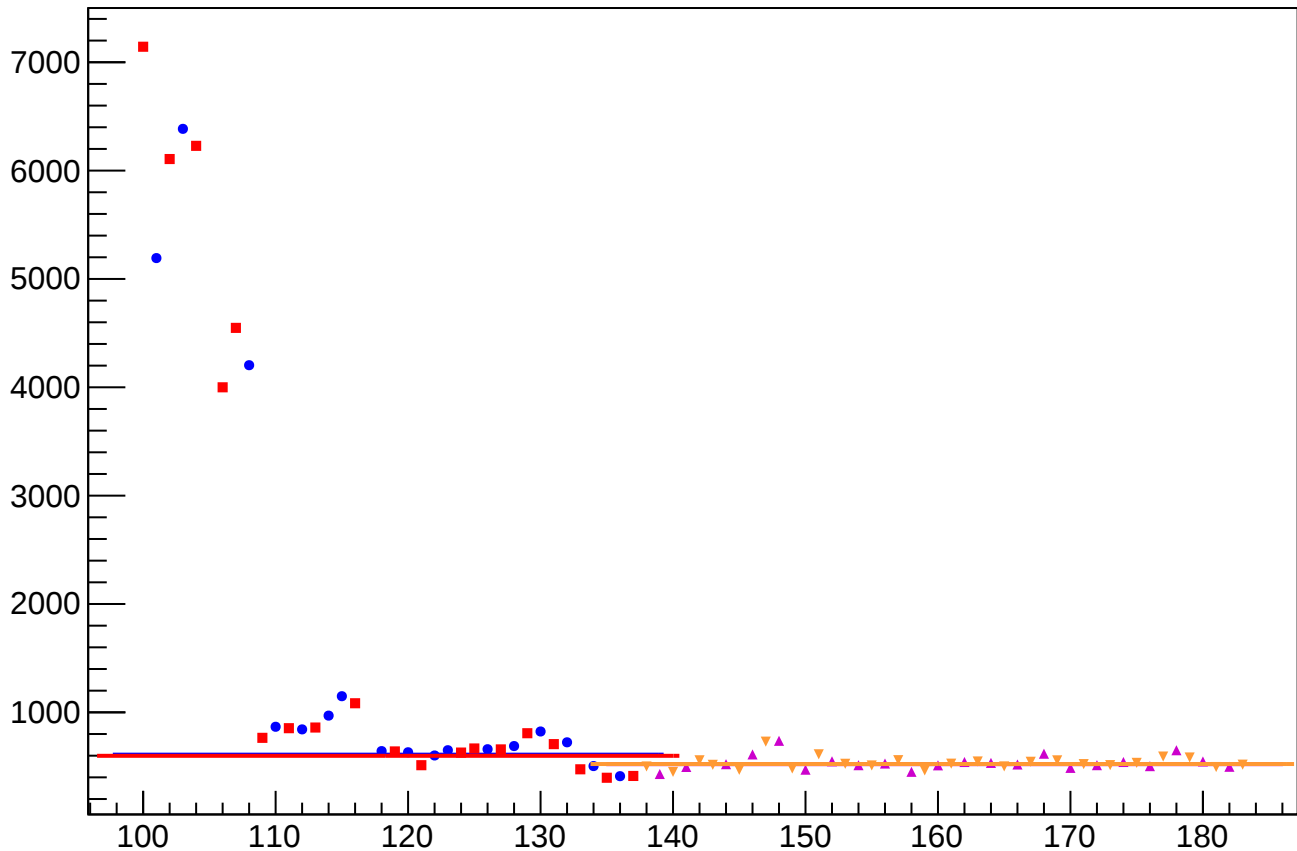
Left In: 0.131 ± 0.127 χ^2/NDF : 34.9/21

+ sign 0.193 ± 0.112 χ^2/NDF : 37.5/40

All: 0.176 ± 0.080 χ^2/NDF : 93.2/81

- sign 0.159 ± 0.115 χ^2/NDF : 55.7/40

diff_cav4cY_rms vs Slug



Right In: 609.385+/-0.190 χ^2/NDF : 3134318.6/16

Left Out: 522.923+/-0.087 χ^2/NDF : 326400.5/23

Right Out: 598.820+/-0.187 χ^2/NDF : 3552236.2/18

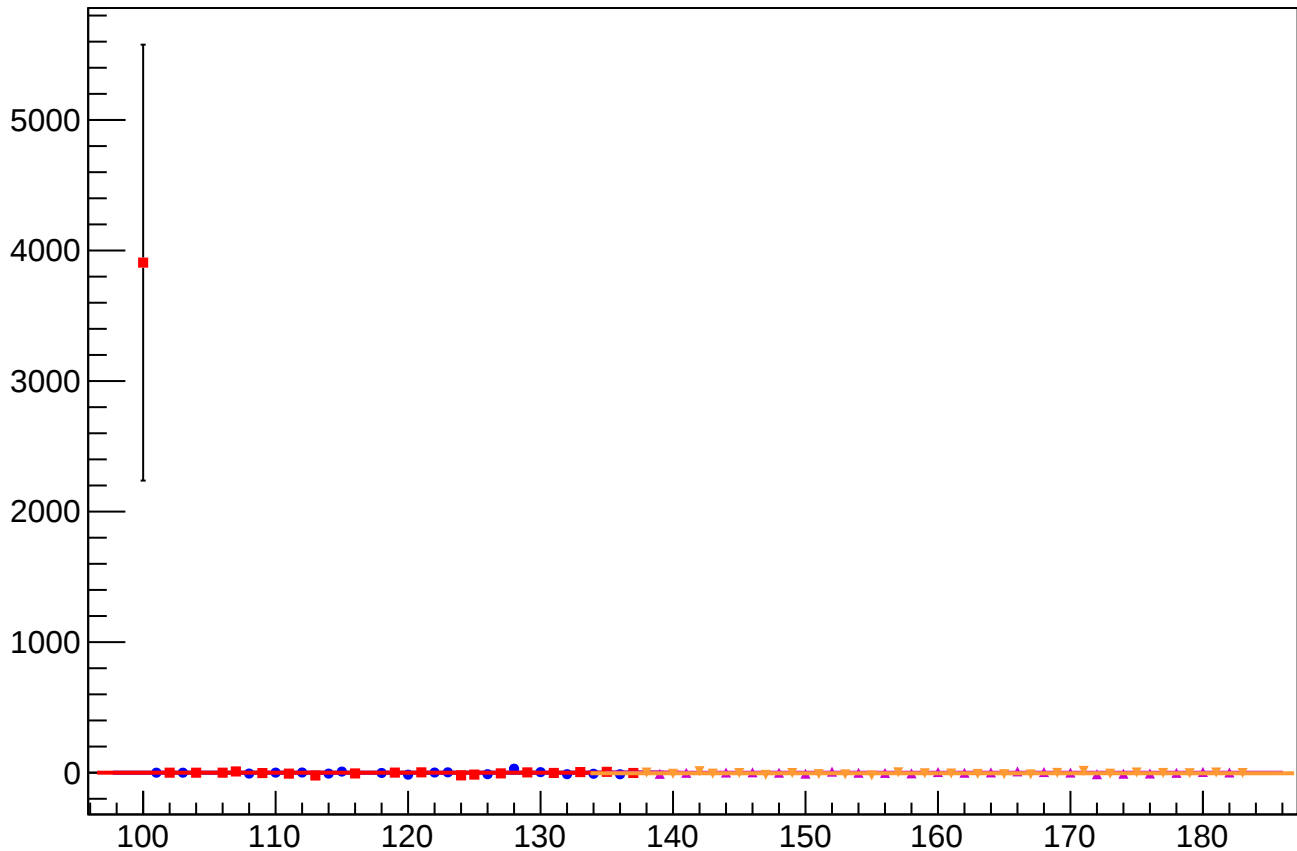
Left In: 521.766+/-0.090 χ^2/NDF : 420927.8/21

+ sign 537.998+/-0.079 χ^2/NDF : 3631317.6/40

All: 537.165+/-0.057 χ^2/NDF : 7742522.9/81

- sign 536.294+/-0.081 χ^2/NDF : 4110980.3/40

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 16.0/16

Left Out: -4.591 ± 0.965 χ^2/NDF : 57.6/23

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.4/18

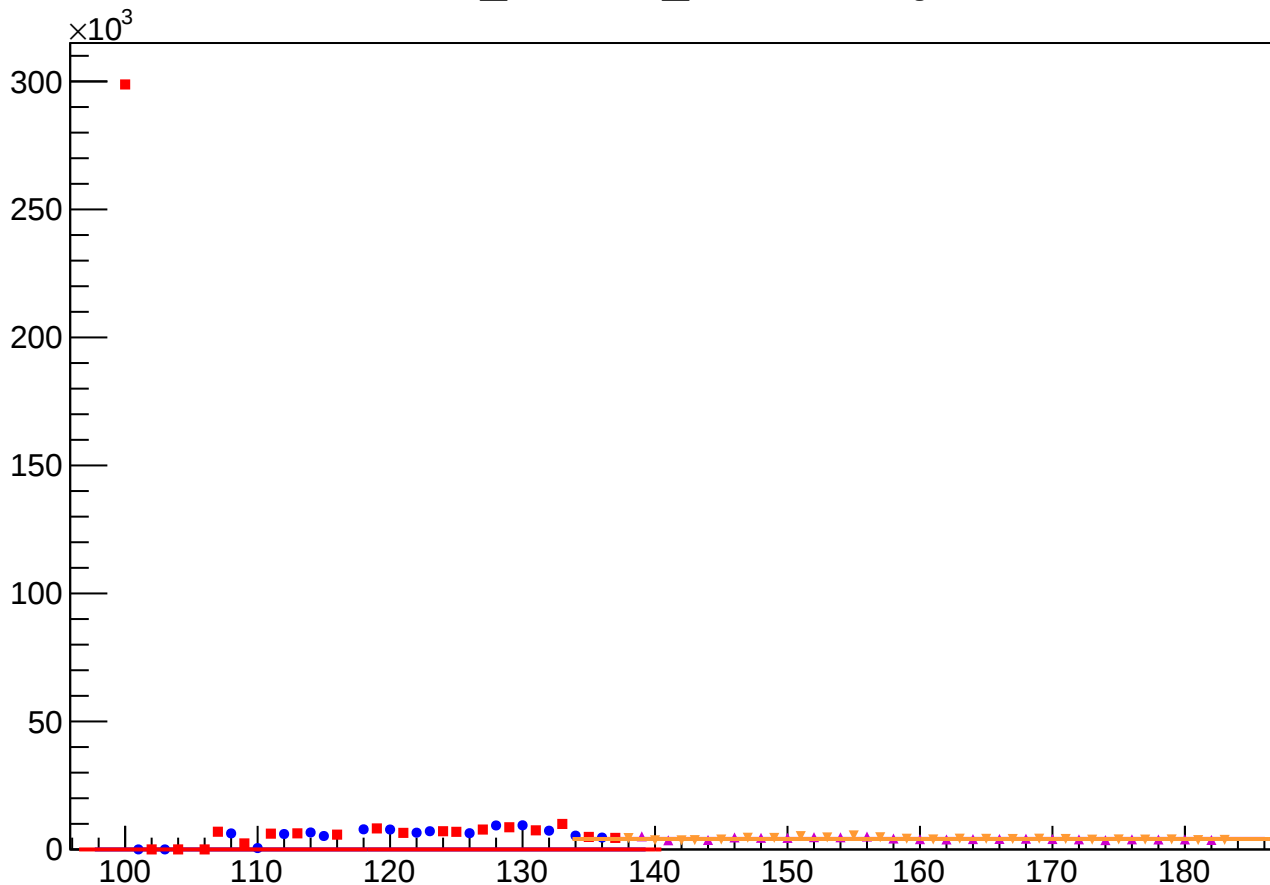
Left In: -0.387 ± 1.005 χ^2/NDF : 27.5/21

+ sign -0.024 ± 0.021 χ^2/NDF : 96.0/40

All: -0.025 ± 0.014 χ^2/NDF : 141.1/81

- sign -0.027 ± 0.020 χ^2/NDF : 45.1/40

diff_cav4dX_rms vs Slug



Right In: 17.339 $\pm$ 0.015 χ^2 /NDF: 10457335.9/16

Left Out: 4081.551 $\pm$ 0.682 χ^2 /NDF: 412201.3/23

Right Out: 17.267 $\pm$ 0.014 χ^2 /NDF: 10773848.1/18

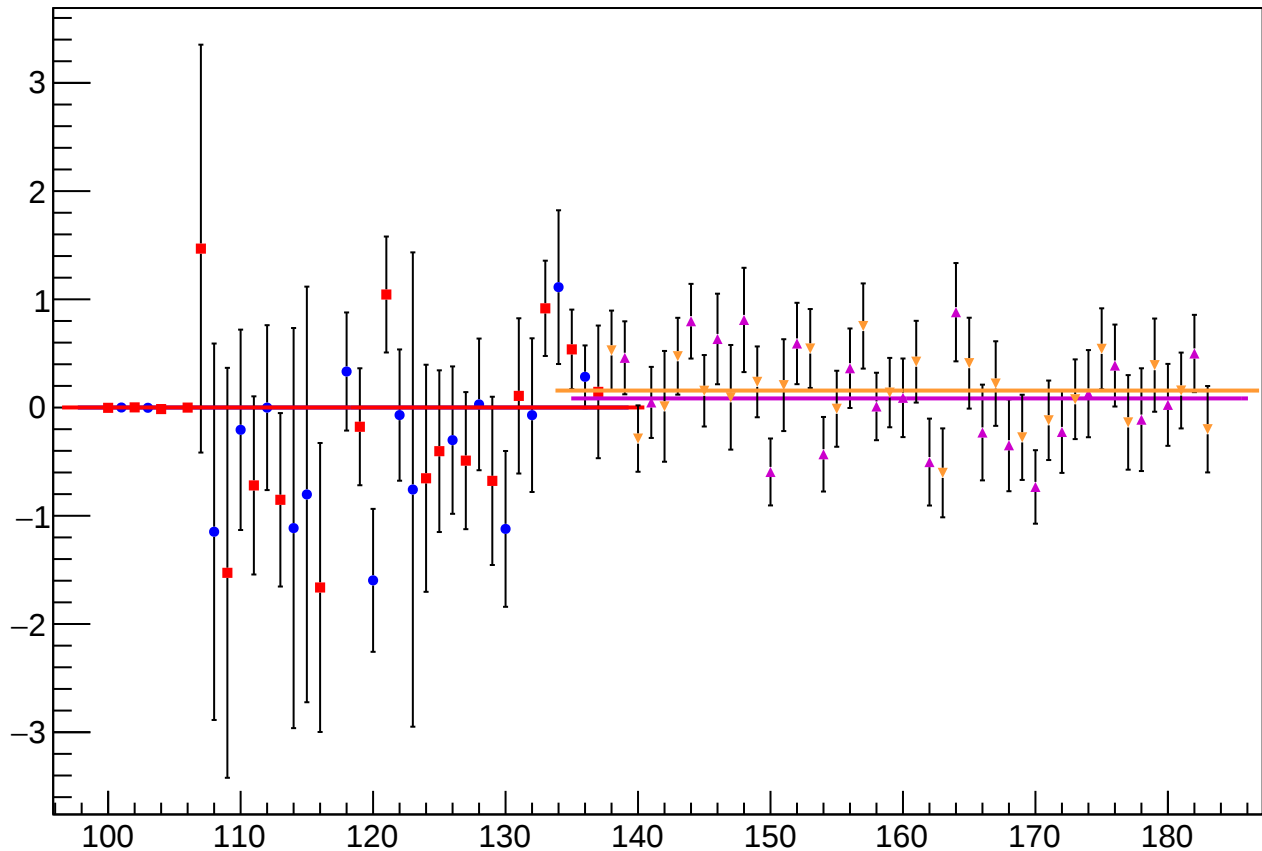
Left In: 4124.011 $\pm$ 0.710 χ^2 /NDF: 339762.7/21

+ sign 19.225 $\pm$ 0.015 χ^2 /NDF: 46318231.7/40

All: 19.032 $\pm$ 0.010 χ^2 /NDF: 90832796.2/81

- sign 18.858 $\pm$ 0.014 χ^2 /NDF: 44514237.3/40

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 13.6/16

Left Out: 0.157 ± 0.077 χ^2/NDF : 16.5/23

Right Out: 0.001 ± 0.002 χ^2/NDF : 18.2/18

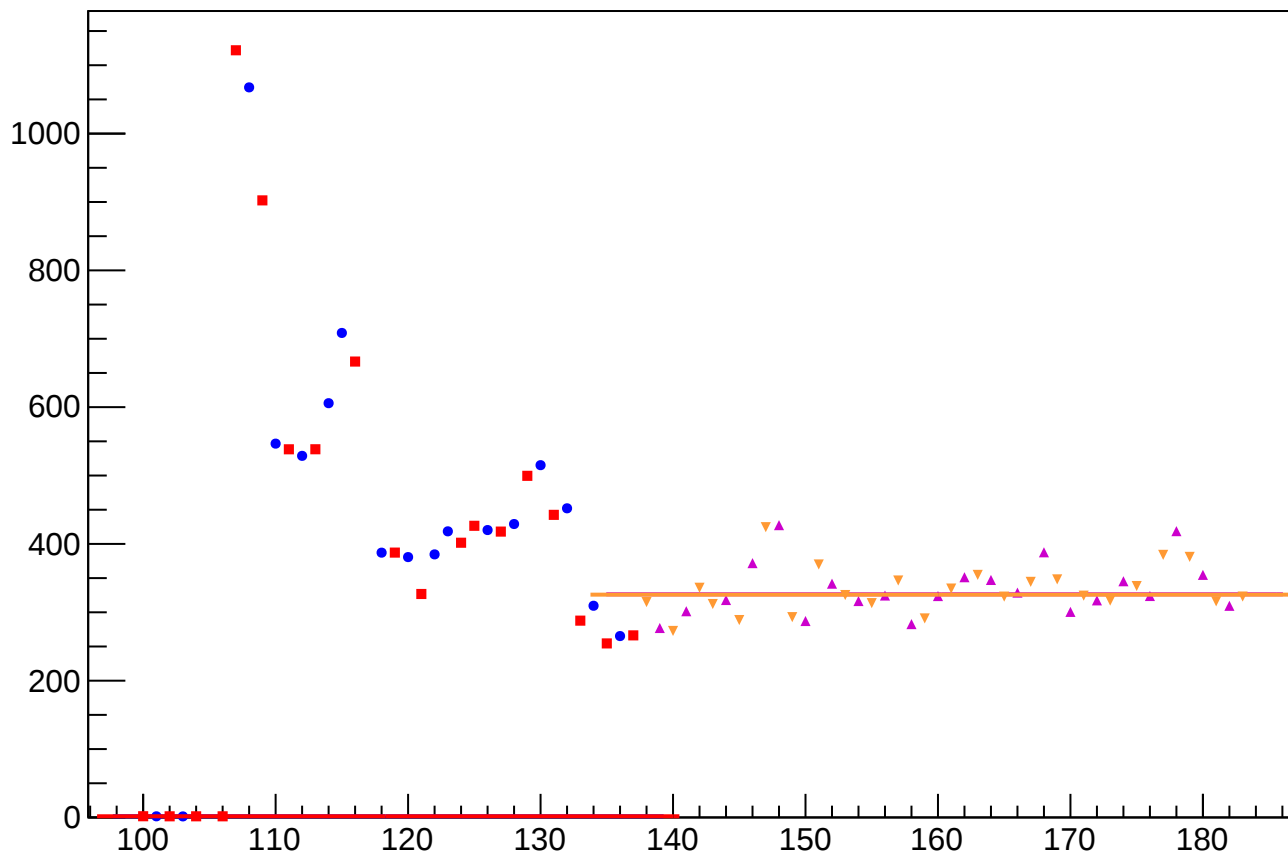
Left In: 0.084 ± 0.080 χ^2/NDF : 34.5/21

+ sign 0.000 ± 0.002 χ^2/NDF : 34.2/40

All: 0.001 ± 0.001 χ^2/NDF : 88.0/81

- sign 0.001 ± 0.002 χ^2/NDF : 53.8/40

diff_cav4dY_rms vs Slug



Right In: 1.699 $\pm$ 0.001 χ^2 /NDF: 11006381.5/16

Left Out: 325.810 $\pm$ 0.054 χ^2 /NDF: 342900.1/23

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10697829.6/18

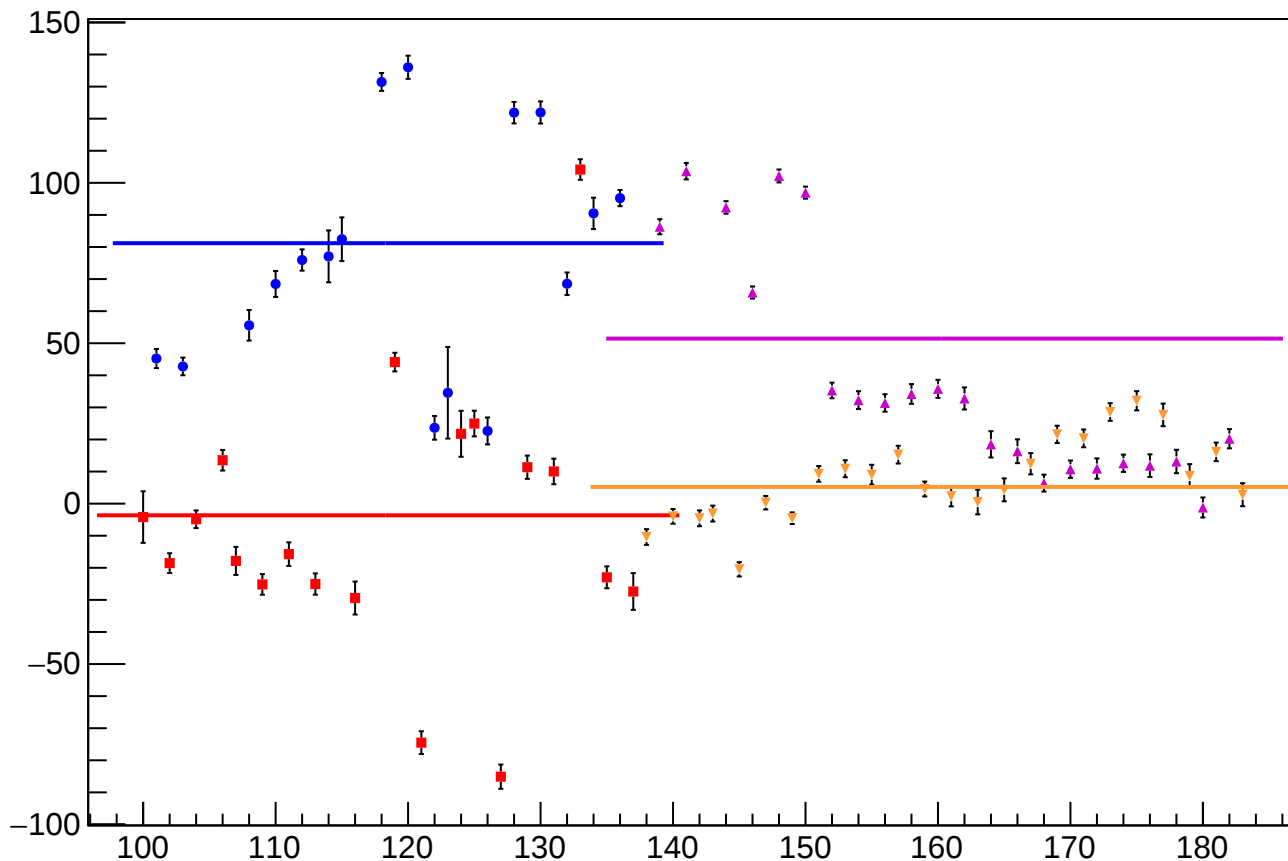
Left In: 326.341 $\pm$ 0.056 χ^2 /NDF: 405617.1/21

+ sign 1.923 $\pm$ 0.001 χ^2 /NDF: 46729347.0/40

All: 1.921 $\pm$ 0.001 χ^2 /NDF: 91001444.4/81

- sign 1.920 $\pm$ 0.001 χ^2 /NDF: 44272095.7/40

diff_bpm0i01X_mean vs Slug



Right In: 81.188 ± 0.887 $\chi^2/NDF: 1718.3/16$

Left Out: 5.210 ± 0.547 $\chi^2/NDF: 554.7/23$

Right Out: -3.632 ± 0.844 $\chi^2/NDF: 2593.1/18$

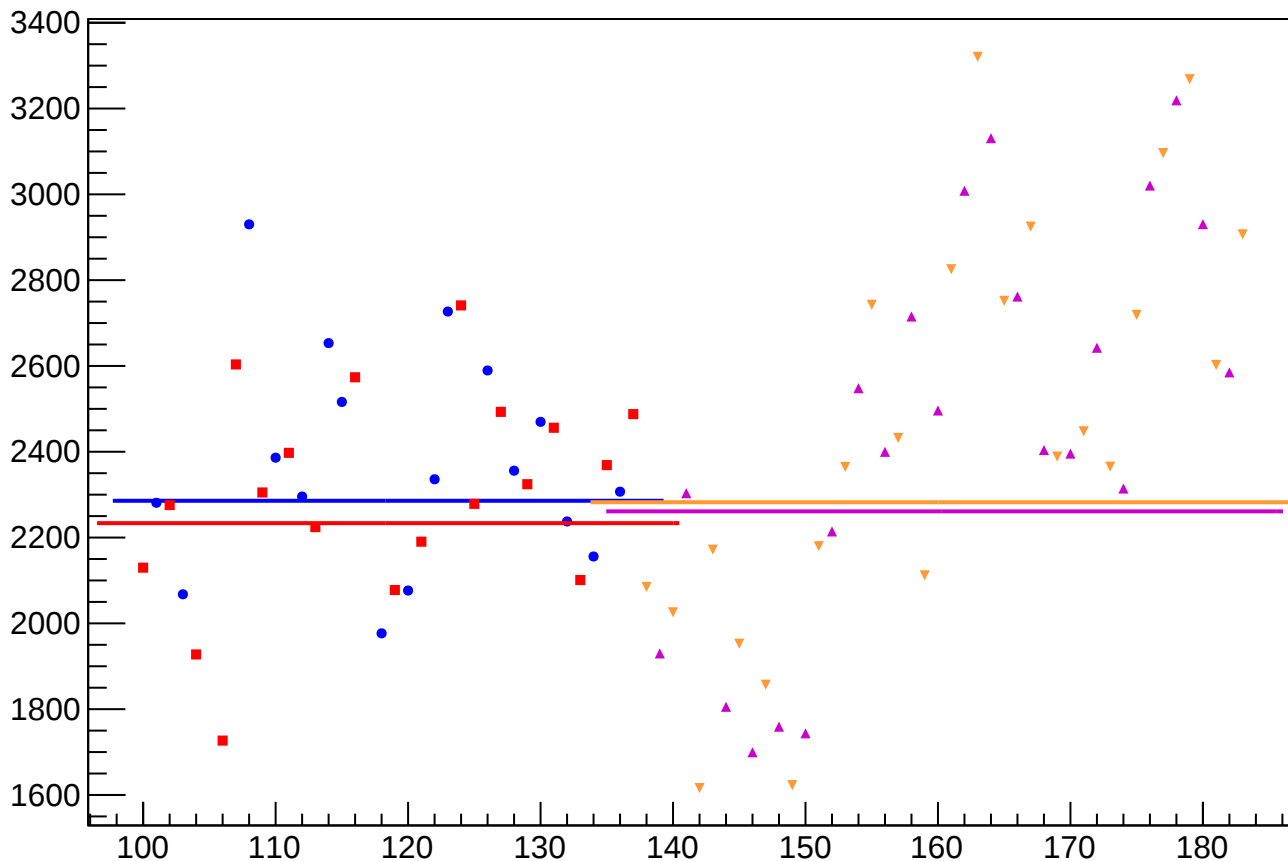
Left In: 51.449 ± 0.562 $\chi^2/NDF: 4253.7/21$

+ sign 26.129 ± 0.466 $\chi^2/NDF: 7587.6/40$

All: 30.319 ± 0.330 $\chi^2/NDF: 17549.4/81$

- sign 34.545 ± 0.468 $\chi^2/NDF: 9799.1/40$

diff_bpm0i01X_rms vs Slug



Right In: 2285.757 $\pm$ 0.627 χ^2 /NDF: 109159.1/16

Left Out: 2282.388 $\pm$ 0.387 χ^2 /NDF:1346734.0/23

Right Out: 2233.605 $\pm$ 0.597 χ^2 /NDF: 147058.0/18

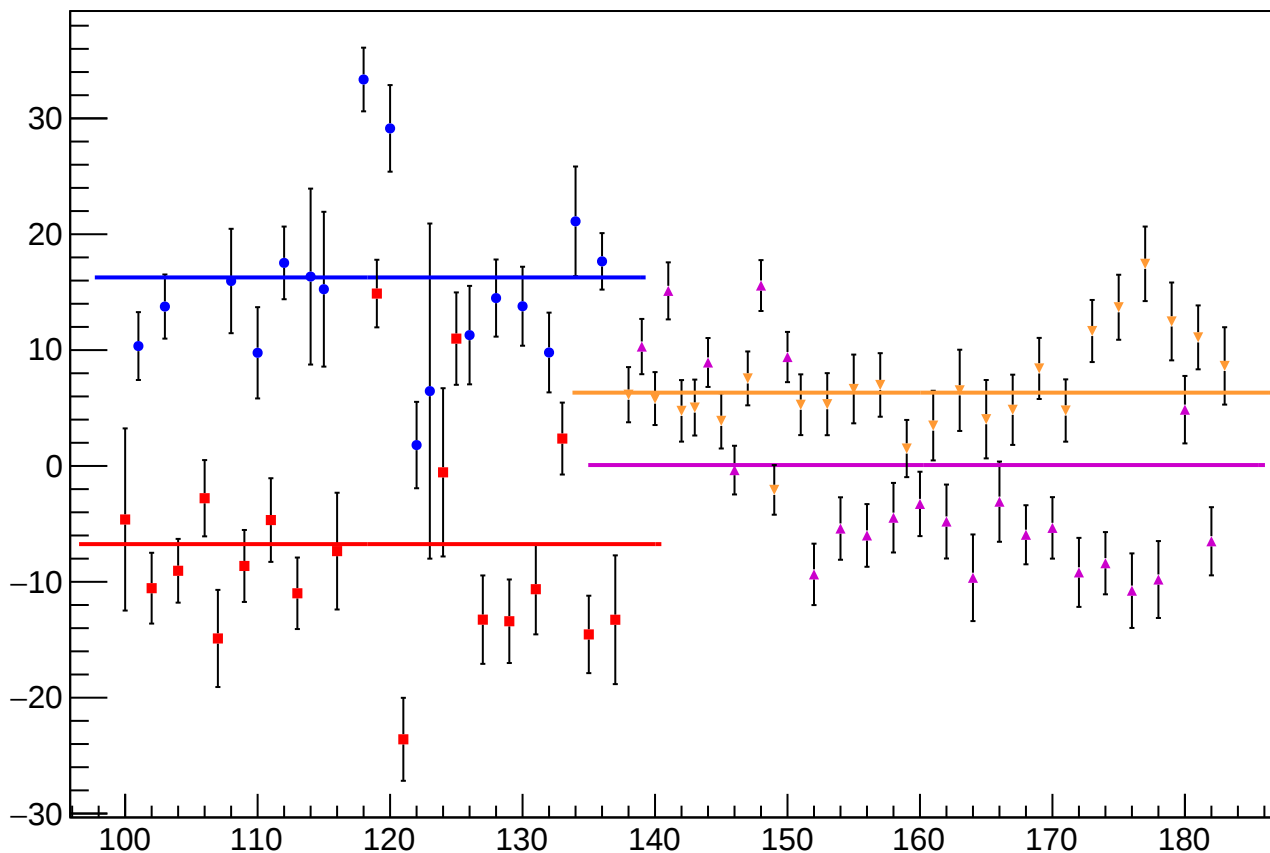
Left In: 2261.063 $\pm$ 0.397 χ^2 /NDF:1293256.5/21

+ sign 2283.316 $\pm$ 0.329 χ^2 /NDF: 1455914.1/40

All: 2268.042 $\pm$ 0.233 χ^2 /NDF: 2902020.3/83

- sign 2252.636 $\pm$ 0.331 χ^2 /NDF: 1441781.7/40

diff_bpm0i01Y_mean vs Slug



Right In: 16.273 ± 0.873 χ^2/NDF : 81.0/16

Left Out: 6.328 ± 0.551 χ^2/NDF : 53.7/23

Right Out: -6.745 ± 0.832 χ^2/NDF : 130.5/18

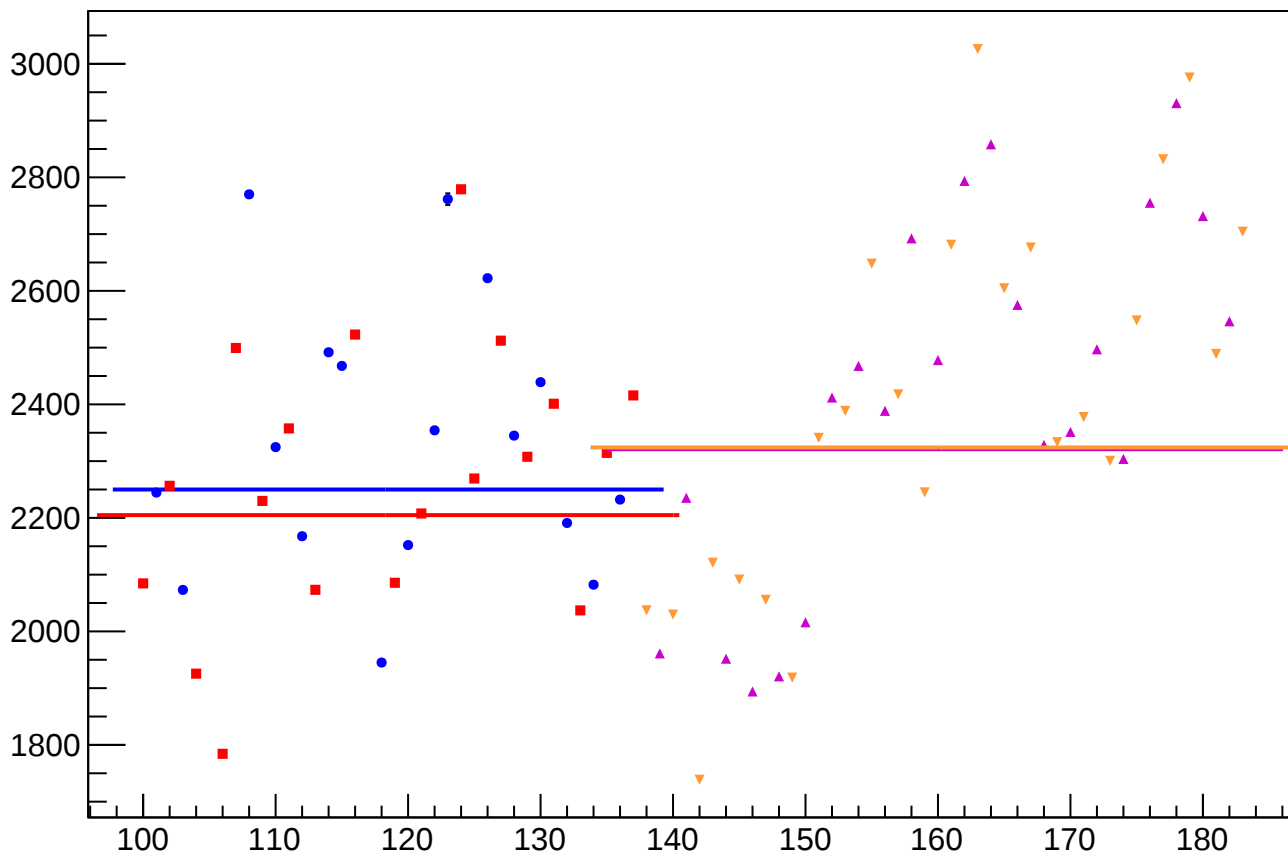
Left In: 0.079 ± 0.569 χ^2/NDF : 234.3/21

+ sign 9.158 ± 0.466 χ^2/NDF : 227.5/40

All: 3.579 ± 0.331 χ^2/NDF : 927.6/81

- sign -2.095 ± 0.470 χ^2/NDF : 410.7/40

diff_bpm0i01Y_rms vs Slug



Right In: 2249.997 $\pm$ 0.617 χ^2 /NDF: 97501.6/16

Left Out: 2324.083 $\pm$ 0.389 χ^2 /NDF: 641481.2/23

Right Out: 2204.860 $\pm$ 0.588 χ^2 /NDF: 126433.4/18

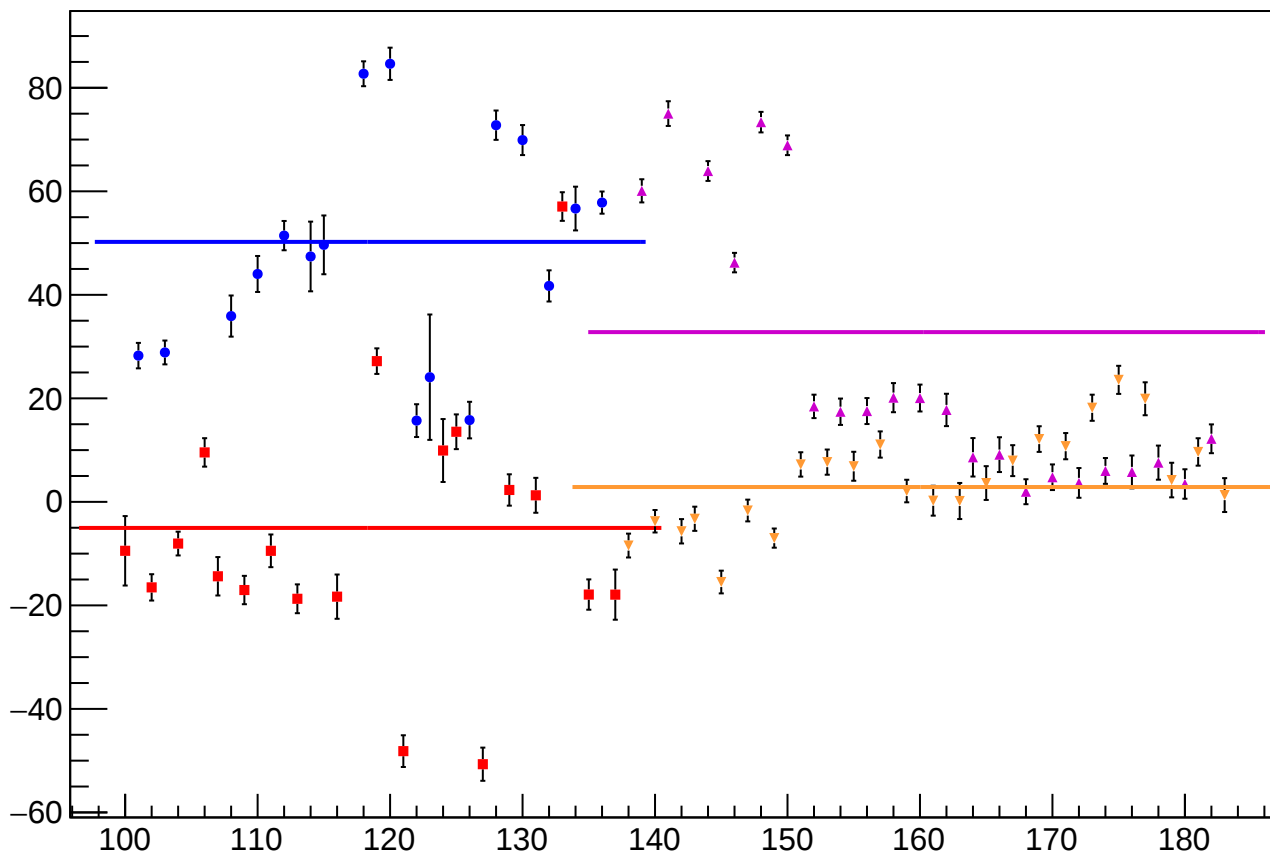
Left In: 2321.070 $\pm$ 0.402 χ^2 /NDF: 602830.6/21

+ sign 2302.997 $\pm$ 0.329 χ^2 /NDF: 749288.2/40

All: 2293.606 $\pm$ 0.234 χ^2 /NDF: 1506771.8/83

- sign 2284.055 $\pm$ 0.332 χ^2 /NDF: 755843.2/40

diff_bpm0i01aX_mean vs Slug



Right In: 50.230 $\pm$ 0.752 χ^2 /NDF: 837.5/16

Left Out: 2.868 $\pm$ 0.515 χ^2 /NDF:335.2/23

Right Out: -5.035 $\pm$ 0.715 χ^2 /NDF: 1259.3/18

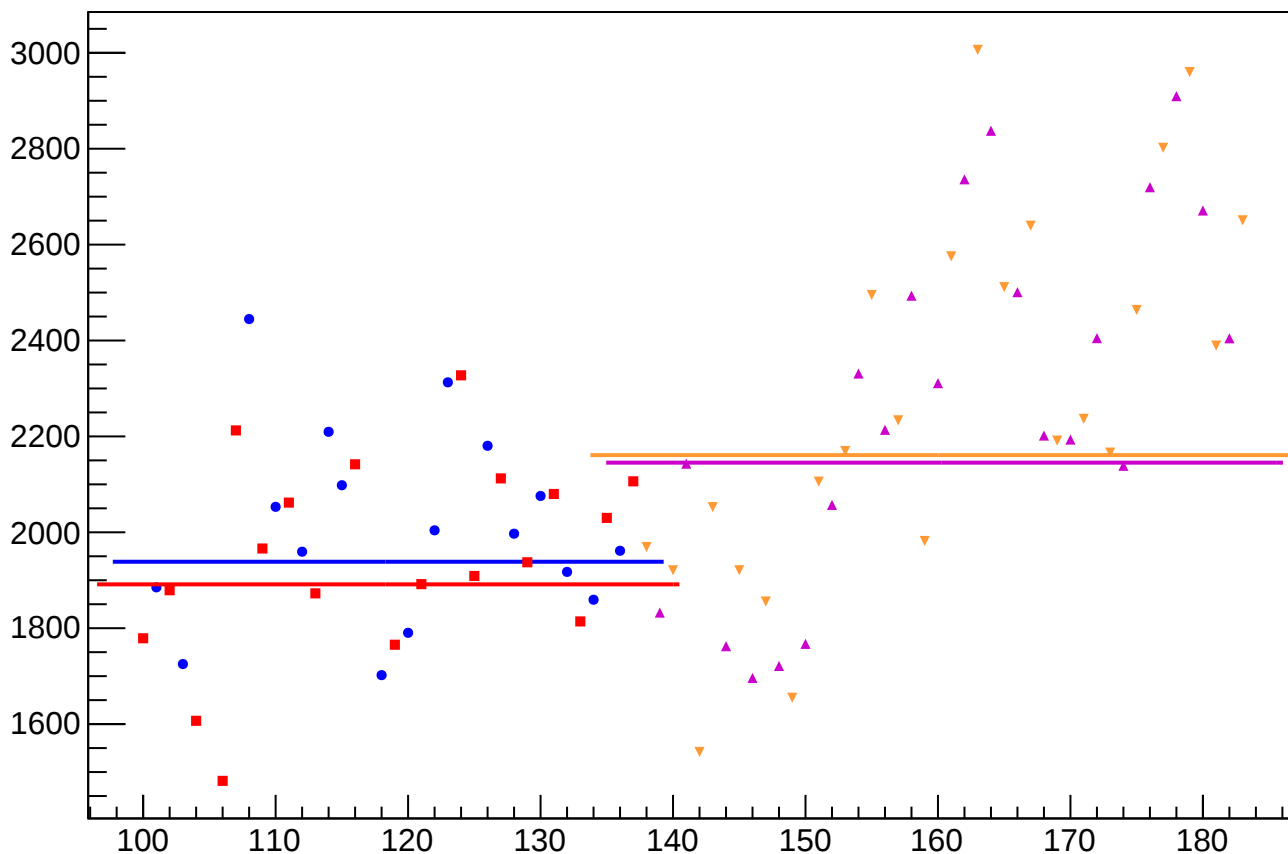
Left In: 32.797 $\pm$ 0.529 χ^2 /NDF:2631.7/21

+ sign 17.971 $\pm$ 0.425 χ^2 /NDF: 3874.0/40

All: 18.681 $\pm$ 0.301 χ^2 /NDF: 9580.4/81

- sign 19.393 $\pm$ 0.425 χ^2 /NDF: 5700.8/40

diff_bpm0i01aX_rms vs Slug



Right In: 1938.613+/-0.532 χ^2/NDF : 100004.8/16

Left Out: 2161.011+/-0.364 χ^2/NDF : 956352.4/23

Right Out: 1891.458+/-0.505 χ^2/NDF : 146730.0/18

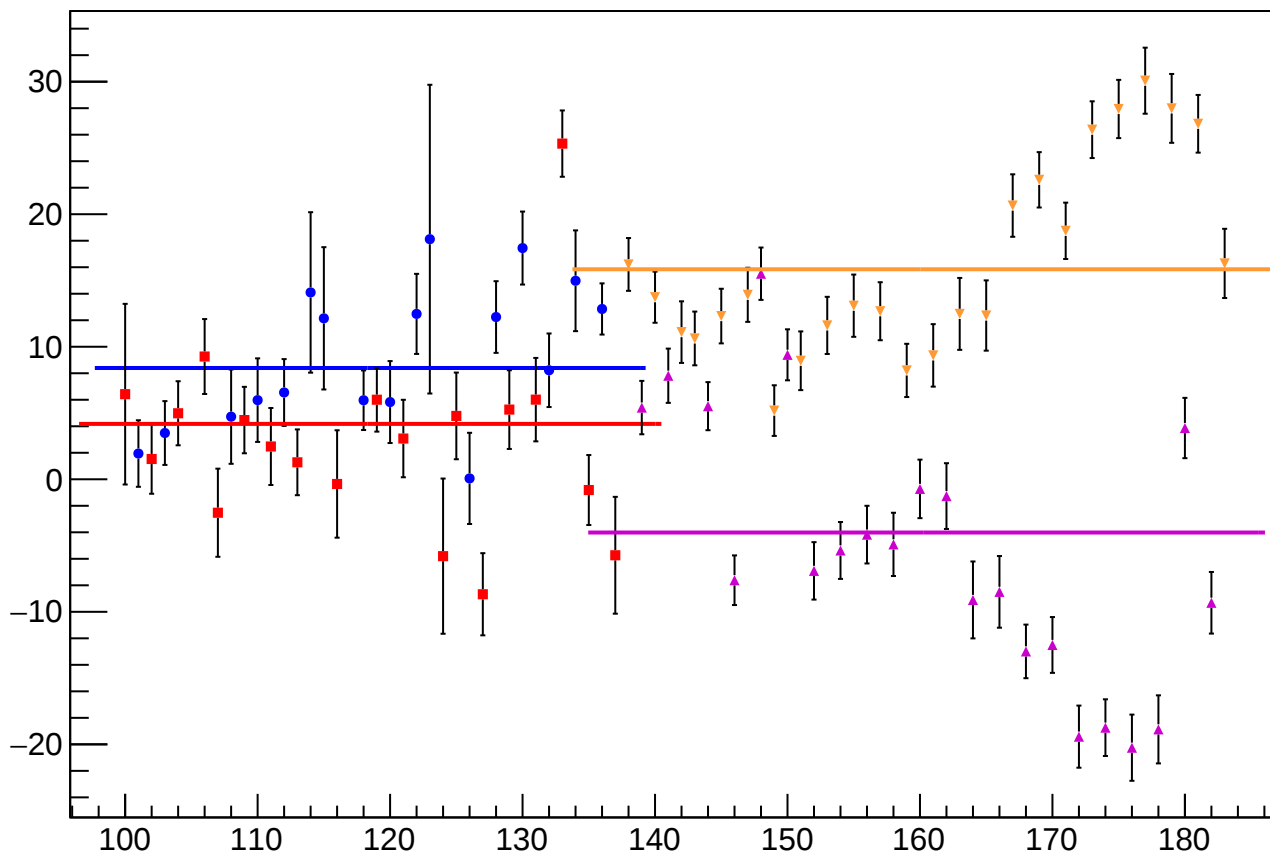
Left In: 2145.254+/-0.374 χ^2/NDF : 897560.5/21

+ sign 2090.090+/-0.300 χ^2/NDF : 1175482.2/40

All: 2072.738+/-0.213 χ^2/NDF : 2389351.7/83

- sign 2055.331+/-0.301 χ^2/NDF : 1207181.4/40

diff_bpm0i01aY_mean vs Slug



Right In: 8.398 ± 0.712 $\chi^2/\text{NDF}: 45.7/16$

Left Out: 15.846 ± 0.450 $\chi^2/\text{NDF}: 240.2/23$

Right Out: 4.180 ± 0.684 $\chi^2/\text{NDF}: 112.9/18$

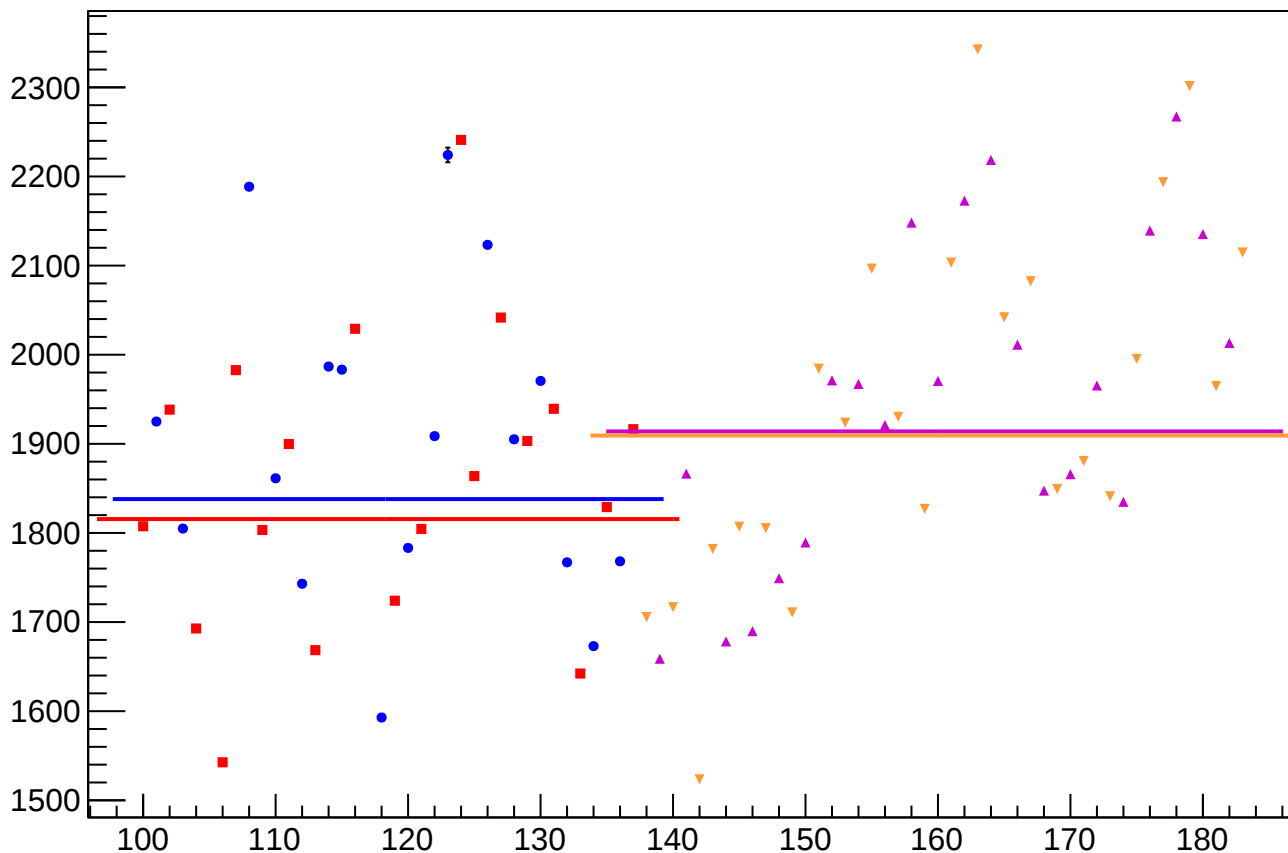
Left In: -4.017 ± 0.466 $\chi^2/\text{NDF}: 463.9/21$

+ sign 13.721 ± 0.381 $\chi^2/\text{NDF}: 364.0/40$

All: 6.245 ± 0.271 $\chi^2/\text{NDF}: 1820.5/81$

- sign -1.415 ± 0.385 $\chi^2/\text{NDF}: 674.9/40$

diff_bpm0i01aY_rms vs Slug



Right In: 1838.009 $\pm$ 0.504 χ^2 /NDF: 82831.2/16

Left Out: 1909.292 $\pm$ 0.318 χ^2 /NDF: 326938.0/23

Right Out: 1815.562 $\pm$ 0.483 χ^2 /NDF: 87647.1/18

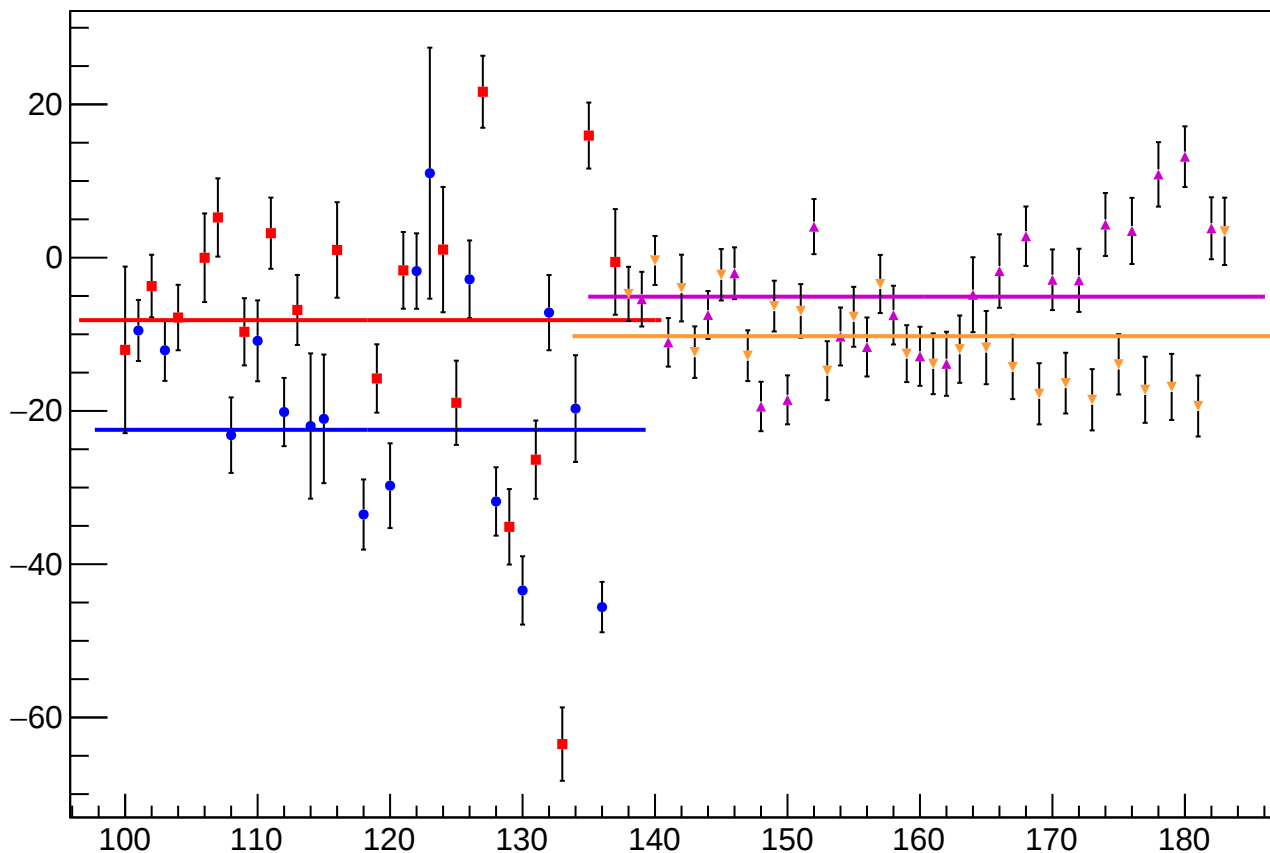
Left In: 1913.932 $\pm$ 0.330 χ^2 /NDF: 271093.4/21

+ sign 1888.956 $\pm$ 0.269 χ^2 /NDF: 424080.1/40

All: 1885.869 $\pm$ 0.191 χ^2 /NDF: 811355.9/81

- sign 1882.706 $\pm$ 0.272 χ^2 /NDF: 387009.3/40

diff_bpm0l01X_mean vs Slug



Right In: -22.463 ± 1.197 χ^2/NDF : 152.8/16

Left Out: -10.242 ± 0.781 χ^2/NDF : 61.5/23

Right Out: -8.153 ± 1.158 χ^2/NDF : 277.0/18

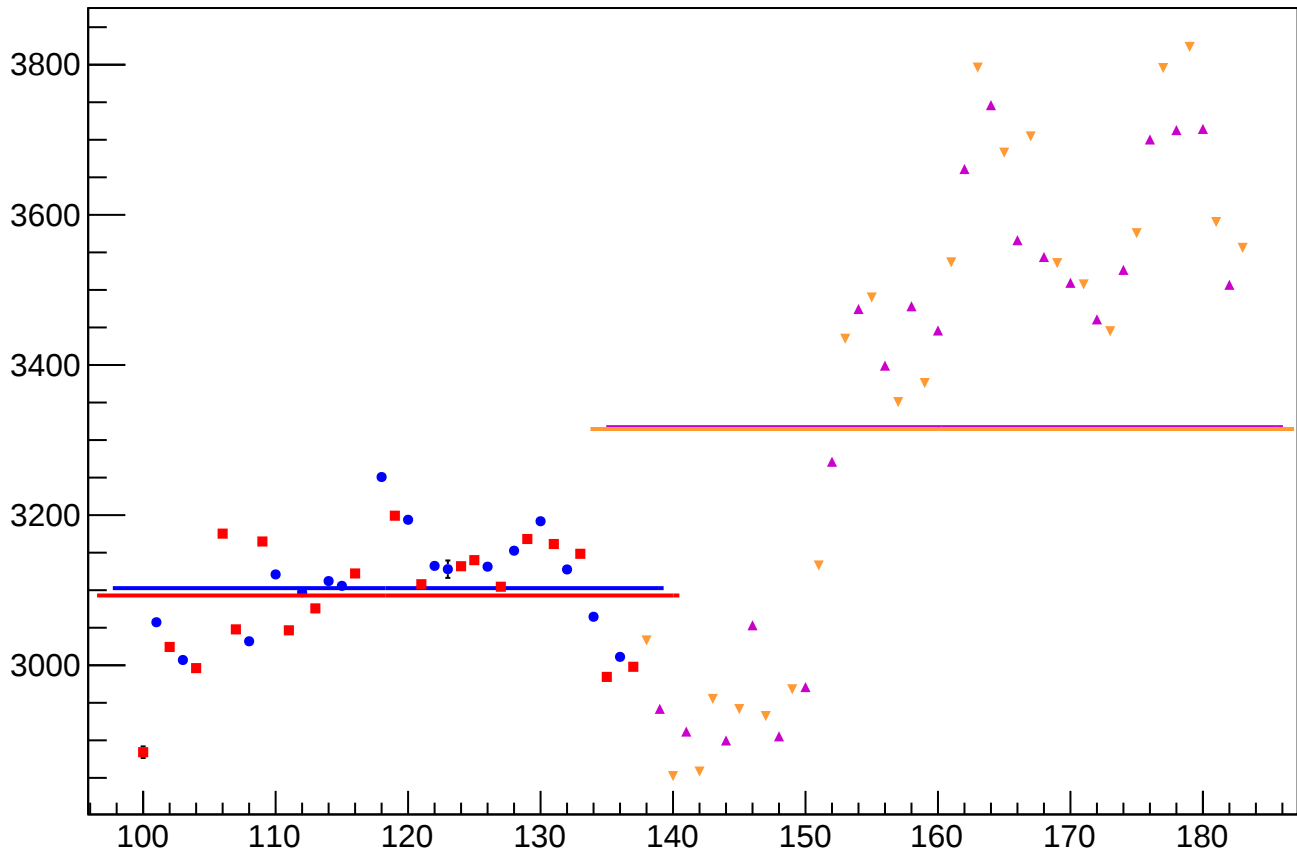
Left In: -5.090 ± 0.806 χ^2/NDF : 117.6/21

+ sign -13.892 ± 0.654 χ^2/NDF : 287.5/40

All: -10.036 ± 0.465 χ^2/NDF : 757.1/81

- sign -6.090 ± 0.662 χ^2/NDF : 399.3/40

diff_bpm0l01X_rms vs Slug



Right In: 3102.744+/-0.846 χ^2/NDF : 7337.7/16

Left Out: 3314.720+/-0.552 χ^2/NDF : 334397.3/23

Right Out: 3092.954+/-0.819 χ^2/NDF : 7802.6/18

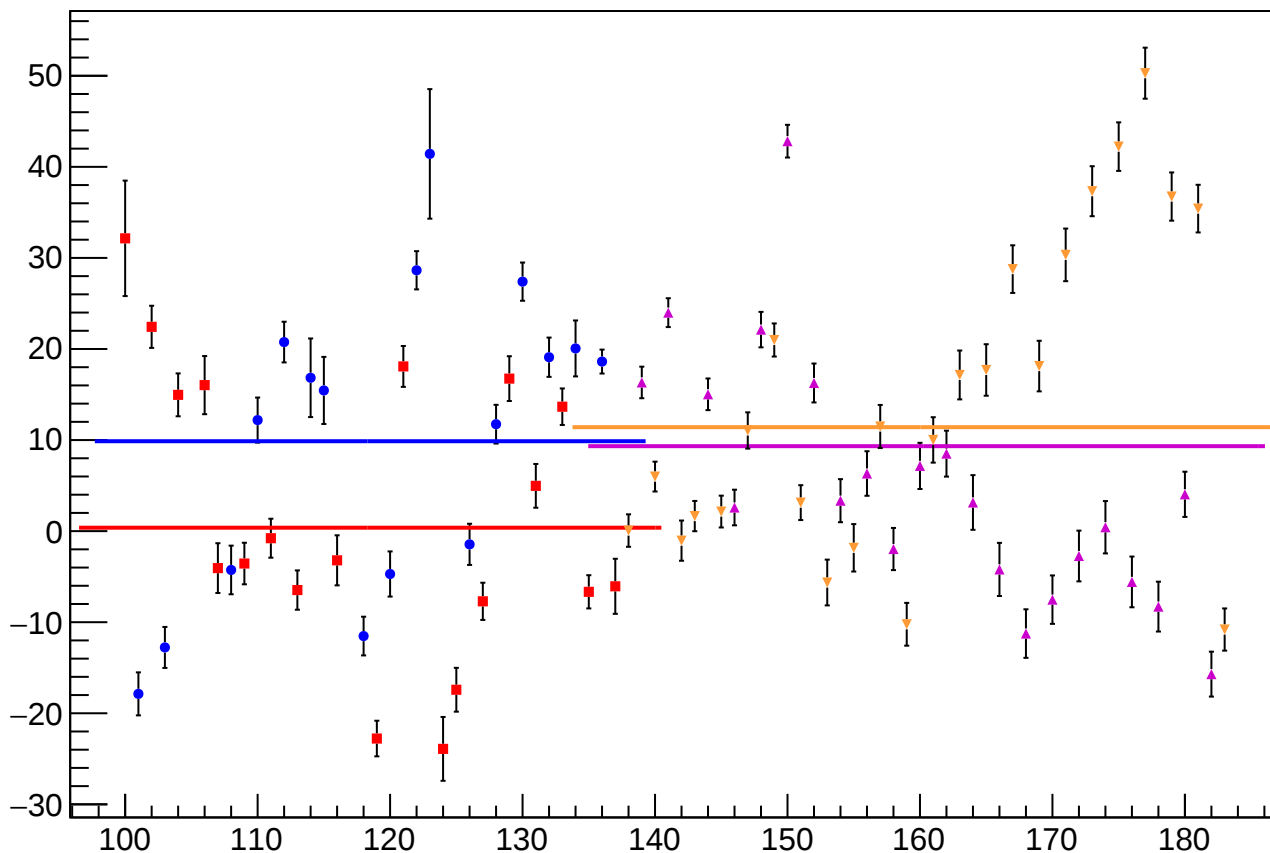
Left In: 3317.236+/-0.570 χ^2/NDF : 280776.4/21

+ sign 3251.416+/-0.462 χ^2/NDF : 385741.2/40

All: 3247.782+/-0.329 χ^2/NDF : 724949.0/81

- sign 3244.061+/-0.468 χ^2/NDF : 339082.7/40

diff_bpm0l01Y_mean vs Slug



Right In: 9.873 ± 0.560 χ^2/NDF : 701.6/16

Left Out: 11.415 ± 0.458 χ^2/NDF : 1134.7/23

Right Out: 0.377 ± 0.548 χ^2/NDF : 628.0/18

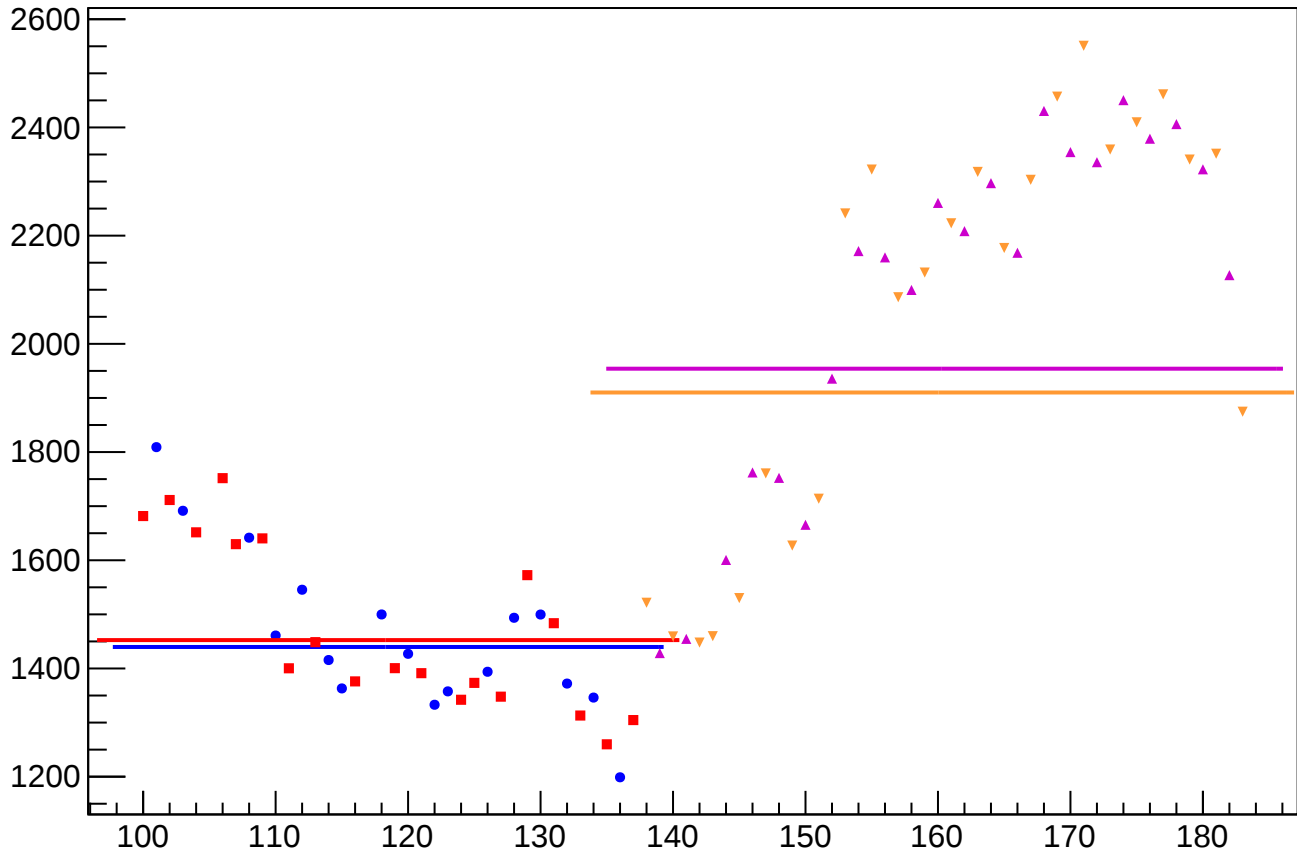
Left In: 9.329 ± 0.482 χ^2/NDF : 890.2/21

+ sign 10.798 ± 0.355 χ^2/NDF : 1840.9/40

All: 8.166 ± 0.253 χ^2/NDF : 3622.3/81

- sign 5.426 ± 0.362 χ^2/NDF : 1668.9/40

diff_bpm0l01Y_rms vs Slug



Right In: 1439.733+/-0.396 χ^2 /NDF: 172867.1/16

Left Out: 1910.096+/-0.324 χ^2 /NDF:1398172.3/23

Right Out: 1452.445+/-0.387 χ^2 /NDF: 138400.9/18

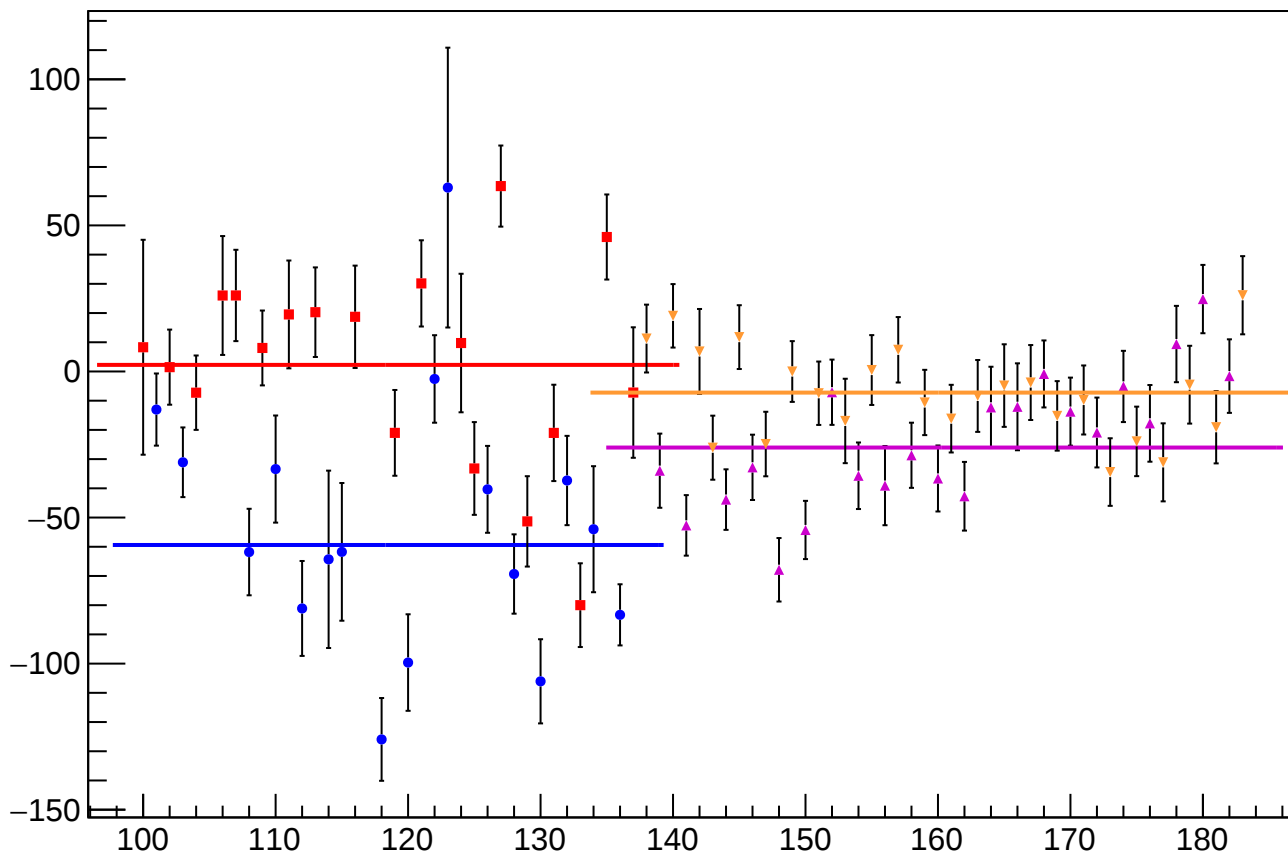
Left In: 1954.082+/-0.341 χ^2 /NDF:1044814.5/21

+ sign 1721.878+/-0.251 χ^2 /NDF: 2416057.3/40

All: 1728.498+/-0.179 χ^2 /NDF: 4546701.0/83

- sign 1735.389+/-0.256 χ^2 /NDF: 2129220.3/40

diff_bpm0l02X_mean vs Slug



Right In: -59.392 ± 3.736 χ^2/NDF : 92.5/16

Left Out: -7.231 ± 2.438 χ^2/NDF : 40.1/23

Right Out: 2.255 ± 3.636 χ^2/NDF : 94.4/18

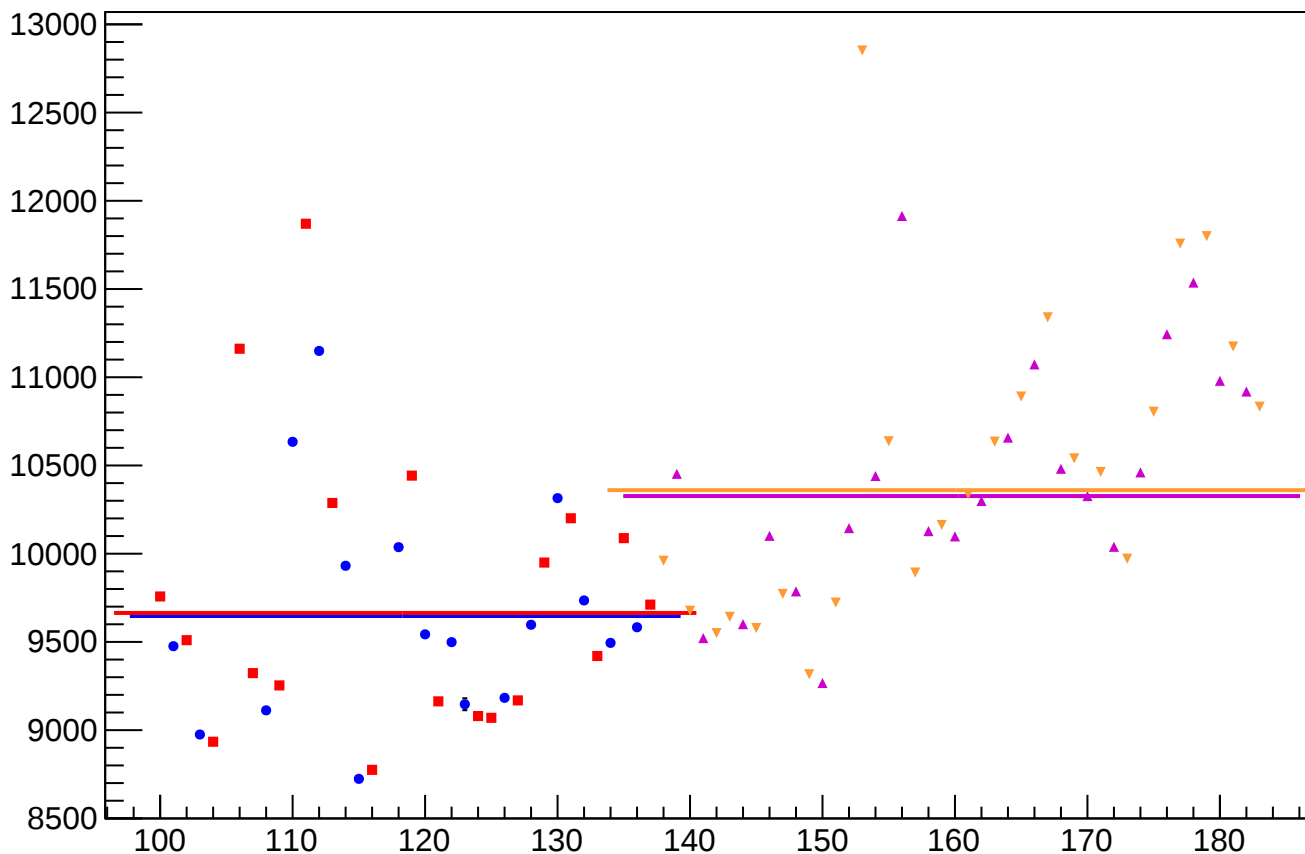
Left In: -26.040 ± 2.505 χ^2/NDF : 82.0/21

+ sign -22.808 ± 2.041 χ^2/NDF : 269.4/40

All: -19.901 ± 1.451 χ^2/NDF : 490.8/81

- sign -16.932 ± 2.063 χ^2/NDF : 217.4/40

diff_bpm0l02X_rms vs Slug



Right In: 9646.921 $\pm$ 2.641 χ^2 /NDF: 43997.1/16

Left Out: 10359.984 $\pm$ 1.724 χ^2 /NDF: 210224.8/23

Right Out: 9664.191 $\pm$ 2.571 χ^2 /NDF: 77326.5/18

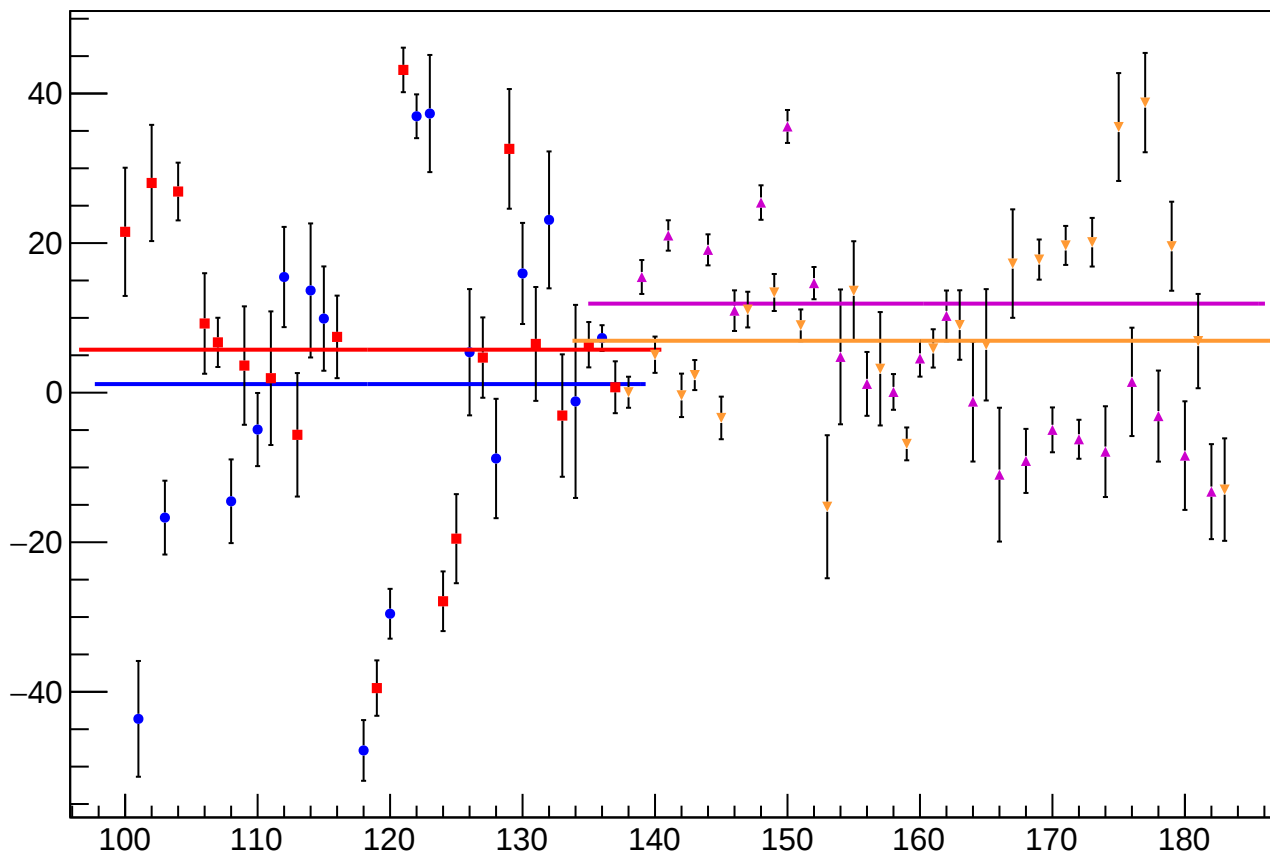
Left In: 10326.760 $\pm$ 1.771 χ^2 /NDF: 125572.6/21

+ sign 10147.042 $\pm$ 1.443 χ^2 /NDF: 305333.5/40

All: 10130.446 $\pm$ 1.026 χ^2 /NDF: 553526.1/81

- sign 10113.496 $\pm$ 1.459 χ^2 /NDF: 247925.5/40

diff_bpm0l02Y_mean vs Slug



Right In: 1.147 ± 1.067 χ^2/NDF : 490.7/16

Left Out: 6.941 ± 0.640 χ^2/NDF : 203.8/23

Right Out: 5.747 ± 1.092 χ^2/NDF : 455.0/18

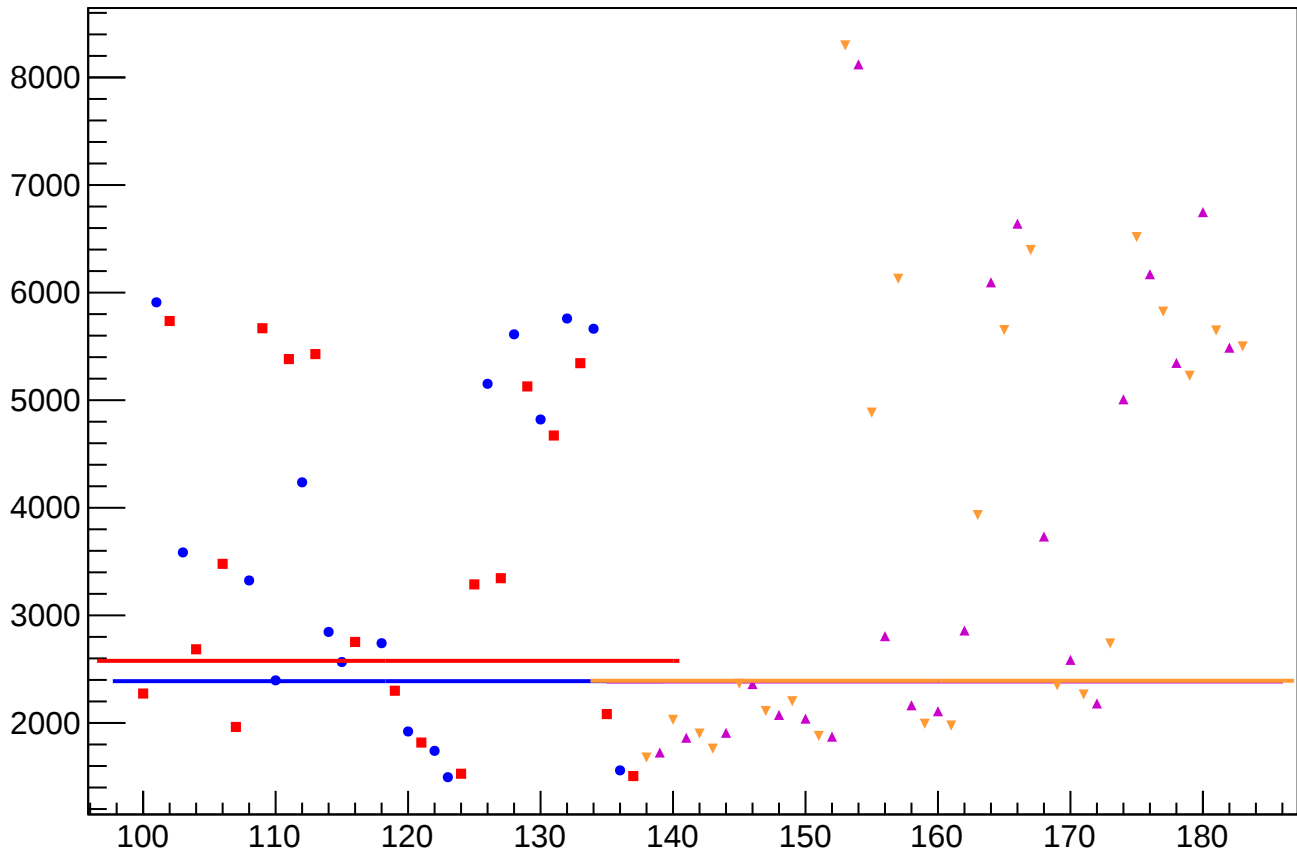
Left In: 11.905 ± 0.650 χ^2/NDF : 382.7/21

+ sign 5.410 ± 0.549 χ^2/NDF : 716.2/40

All: 7.810 ± 0.391 χ^2/NDF : 1616.3/81

- sign 10.295 ± 0.558 χ^2/NDF : 861.2/40

diff_bpm0l02Y_rms vs Slug



Right In: 2388.532 $\pm$ 0.755 χ^2 /NDF: 2588689.4/16

Left Out: 2392.300 $\pm$ 0.452 χ^2 /NDF: 6168874.2/23

Right Out: 2577.351 $\pm$ 0.772 χ^2 /NDF: 2358780.3/18

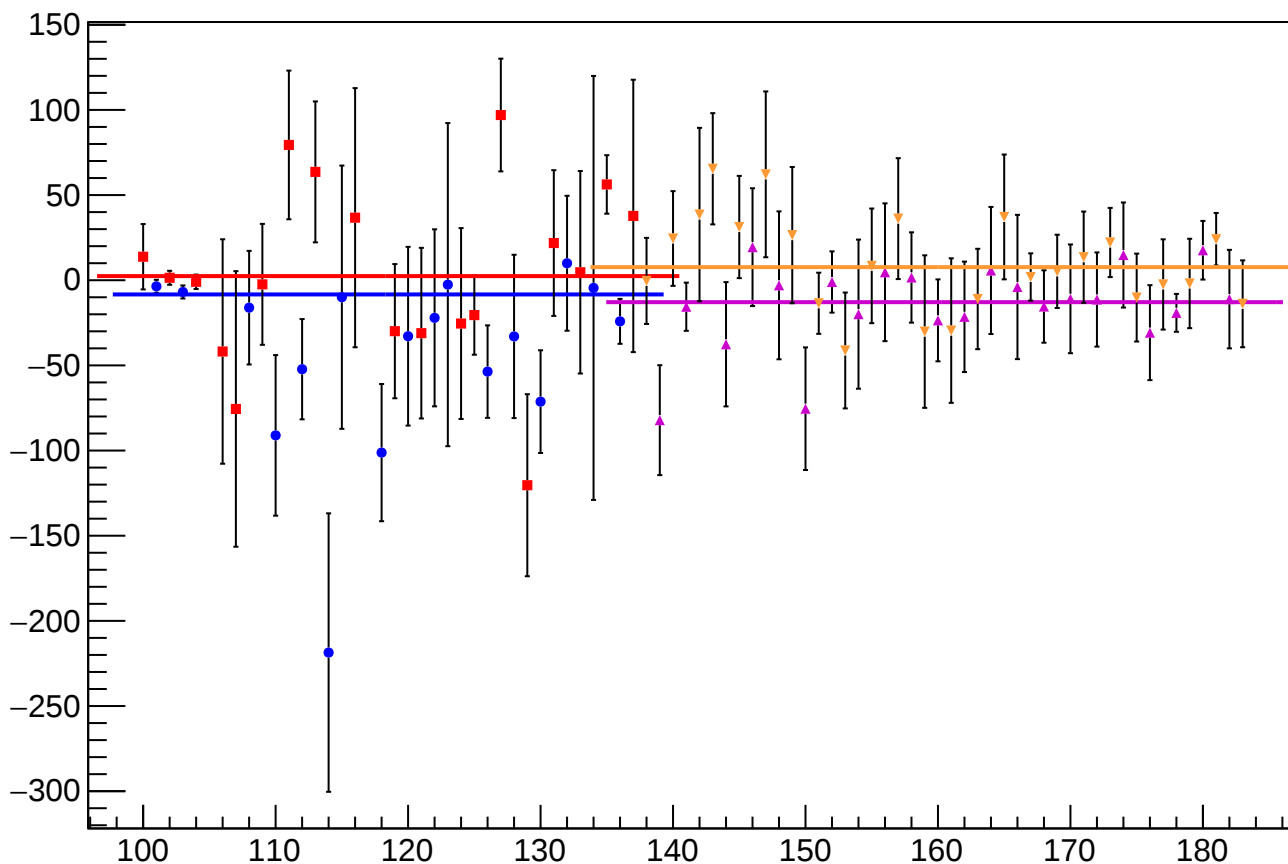
Left In: 2385.567 $\pm$ 0.459 χ^2 /NDF: 5209041.5/21

+ sign 2391.304 $\pm$ 0.388 χ^2 /NDF: 8757581.9/40

All: 2413.114 $\pm$ 0.277 χ^2 /NDF: 16377408.2/80

- sign 2435.694 $\pm$ 0.395 χ^2 /NDF: 7613393.6/40

diff_bpm0l03X_mean vs Slug



Right In: -8.339 ± 2.588 $\chi^2/\text{NDF}: 28.3/16$

Left Out: 7.698 ± 5.254 $\chi^2/\text{NDF}: 16.0/23$

Right Out: 2.423 ± 2.787 $\chi^2/\text{NDF}: 33.9/18$

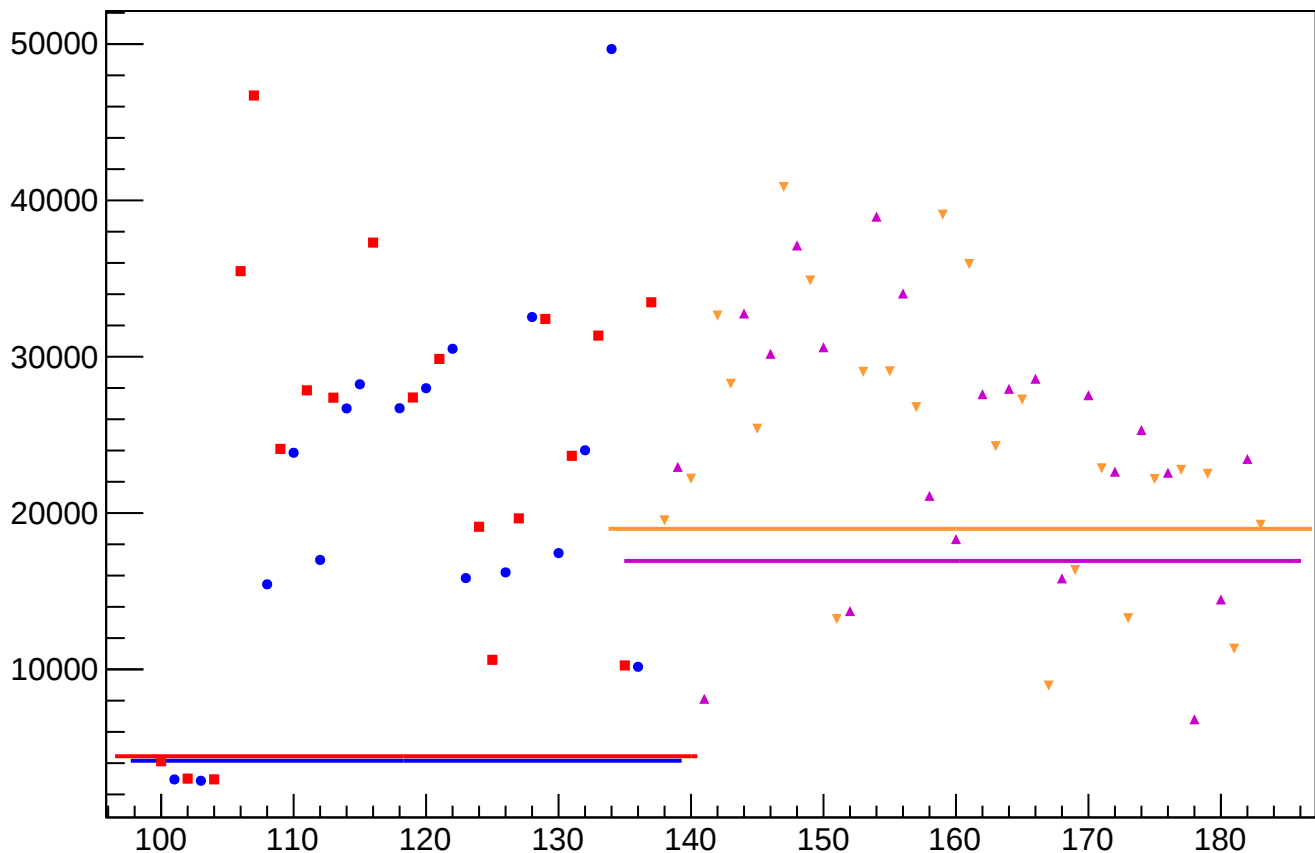
Left In: -12.876 ± 5.134 $\chi^2/\text{NDF}: 15.3/21$

+ sign -5.208 ± 2.322 $\chi^2/\text{NDF}: 51.8/40$

All: -3.244 ± 1.685 $\chi^2/\text{NDF}: 109.4/81$

- sign -1.059 ± 2.449 $\chi^2/\text{NDF}: 56.0/40$

diff_bpm0l03X_rms vs Slug



Right In: 4156.086+/-1.830 χ^2/NDF : 5974546.9/16

Left Out: 18989.714+/-3.715 χ^2/NDF : 4562313.6/23

Right Out: 4441.440+/-1.971 χ^2/NDF : 7399930.1/18

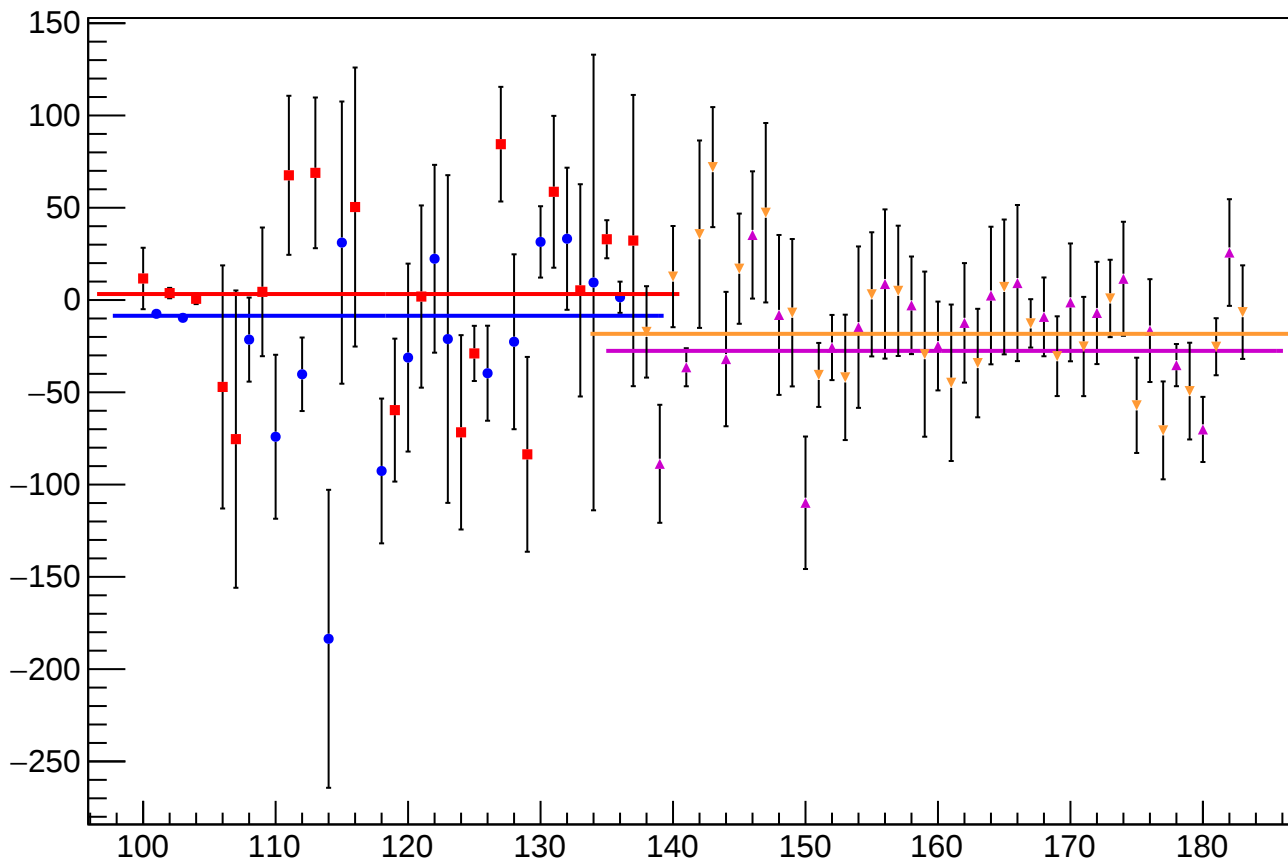
Left In: 16937.102+/-3.630 χ^2/NDF : 6103935.3/21

+ sign 7052.349+/-1.642 χ^2/NDF : 23364454.8/40

All: 7162.661+/-1.192 χ^2/NDF : 46028398.5/80

- sign 7285.434+/-1.732 χ^2/NDF : 22654404.0/40

diff_bpm0l03Y_mean vs Slug



Right In: -8.536 $\pm$ 1.778 χ^2 /NDF: 24.0/16

Left Out: -18.320 $\pm$ 5.195 χ^2 /NDF: 27.0/23

Right Out: 3.248 $\pm$ 1.922 χ^2 /NDF: 36.9/18

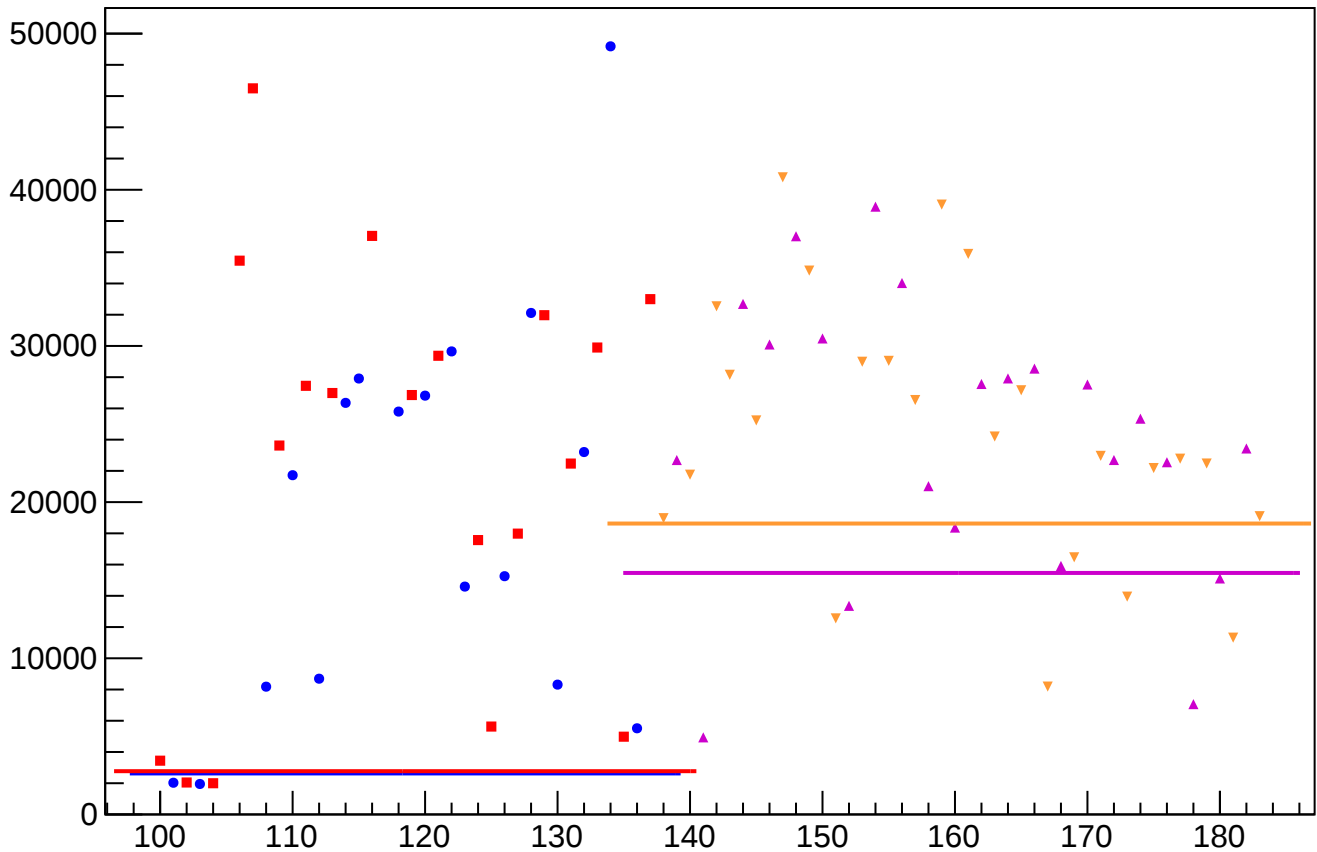
Left In: -27.551 $\pm$ 4.886 χ^2 /NDF: 30.0/21

+ sign -9.562 $\pm$ 1.682 χ^2 /NDF: 54.1/40

All: -5.488 $\pm$ 1.225 χ^2 /NDF: 168.0/81

- sign -0.881 $\pm$ 1.789 χ^2 /NDF: 101.3/40

diff_bpm0l03Y_rms vs Slug



Right In: 2627.104+/-1.257 χ^2/NDF : 5569866.4/16

Left Out: 18628.162+/-3.674 χ^2/NDF : 4861738.8/23

Right Out: 2770.651+/-1.359 χ^2/NDF : 7812778.8/18

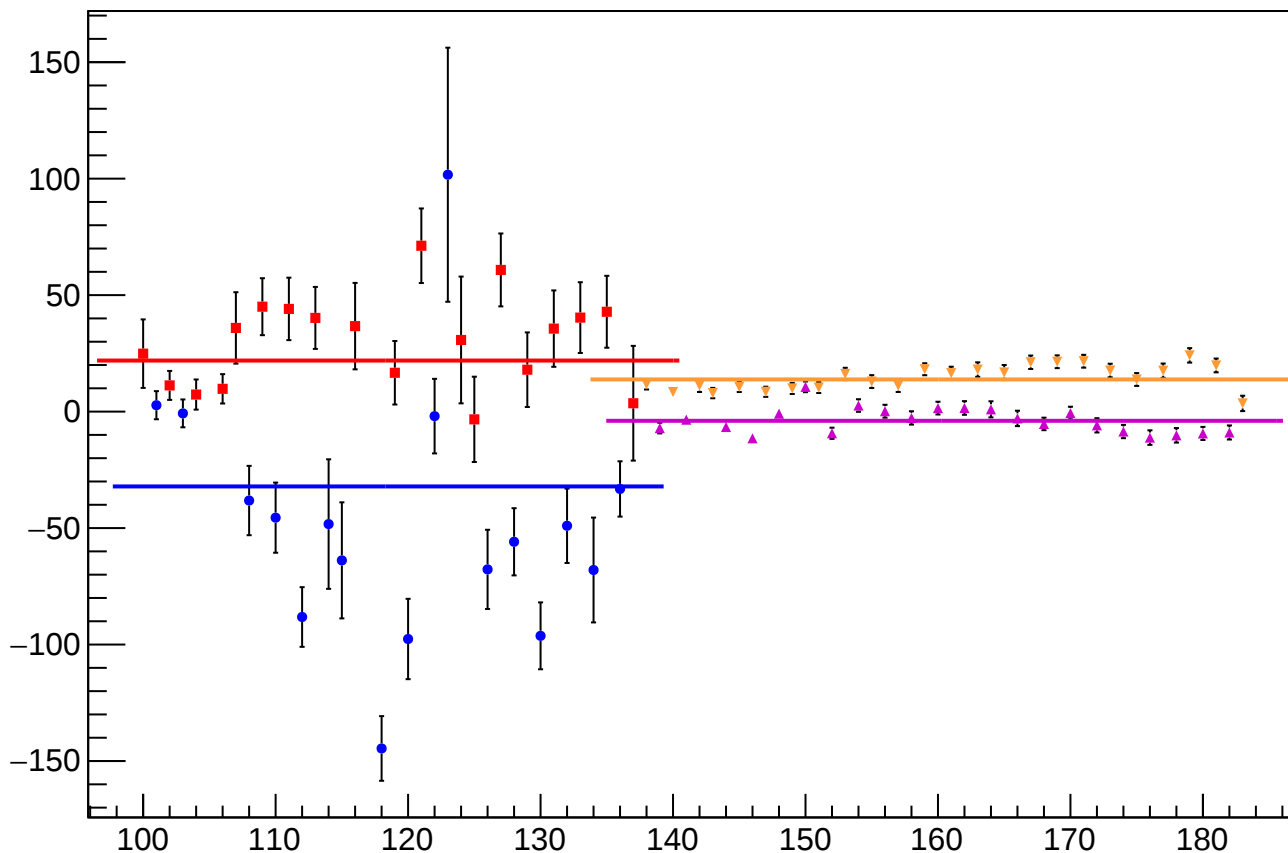
Left In: 15464.859+/-3.455 χ^2/NDF : 7666859.5/21

+ sign 4304.671+/-1.190 χ^2/NDF : 27413506.9/40

All: 4383.332+/-0.867 χ^2/NDF : 54593980.3/8

- sign 4472.275+/-1.265 χ^2/NDF : 27171155.9/40

diff_bpm0l04X_mean vs Slug



Right In: -32.125 ± 2.985 χ^2/NDF : 203.3/16

Left Out: 13.809 ± 0.538 χ^2/NDF : 86.5/23

Right Out: 21.921 ± 2.672 χ^2/NDF : 43.9/18

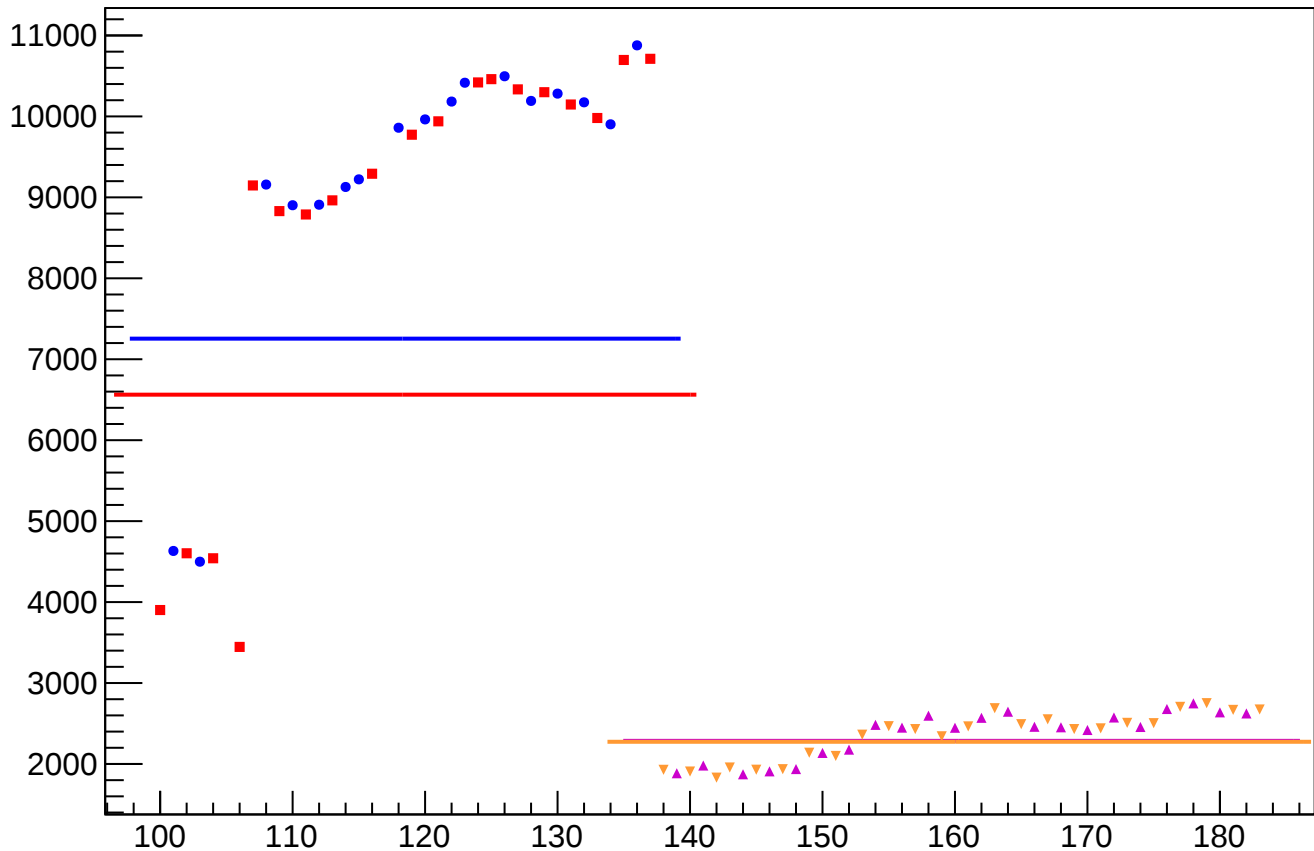
Left In: -3.949 ± 0.558 χ^2/NDF : 101.9/21

+ sign 12.363 ± 0.529 χ^2/NDF : 519.2/40

All: 4.989 ± 0.380 χ^2/NDF : 1155.6/81

- sign -2.866 ± 0.546 χ^2/NDF : 235.6/40

diff_bpm0l04X_rms vs Slug



Right In: 7254.506 $\pm$ 2.110 χ^2 /NDF: 1633073.8/16

Left Out: 2274.202 $\pm$ 0.380 χ^2 /NDF: 596525.3/23

Right Out: 6562.403 $\pm$ 1.889 χ^2 /NDF: 2190982.1/18

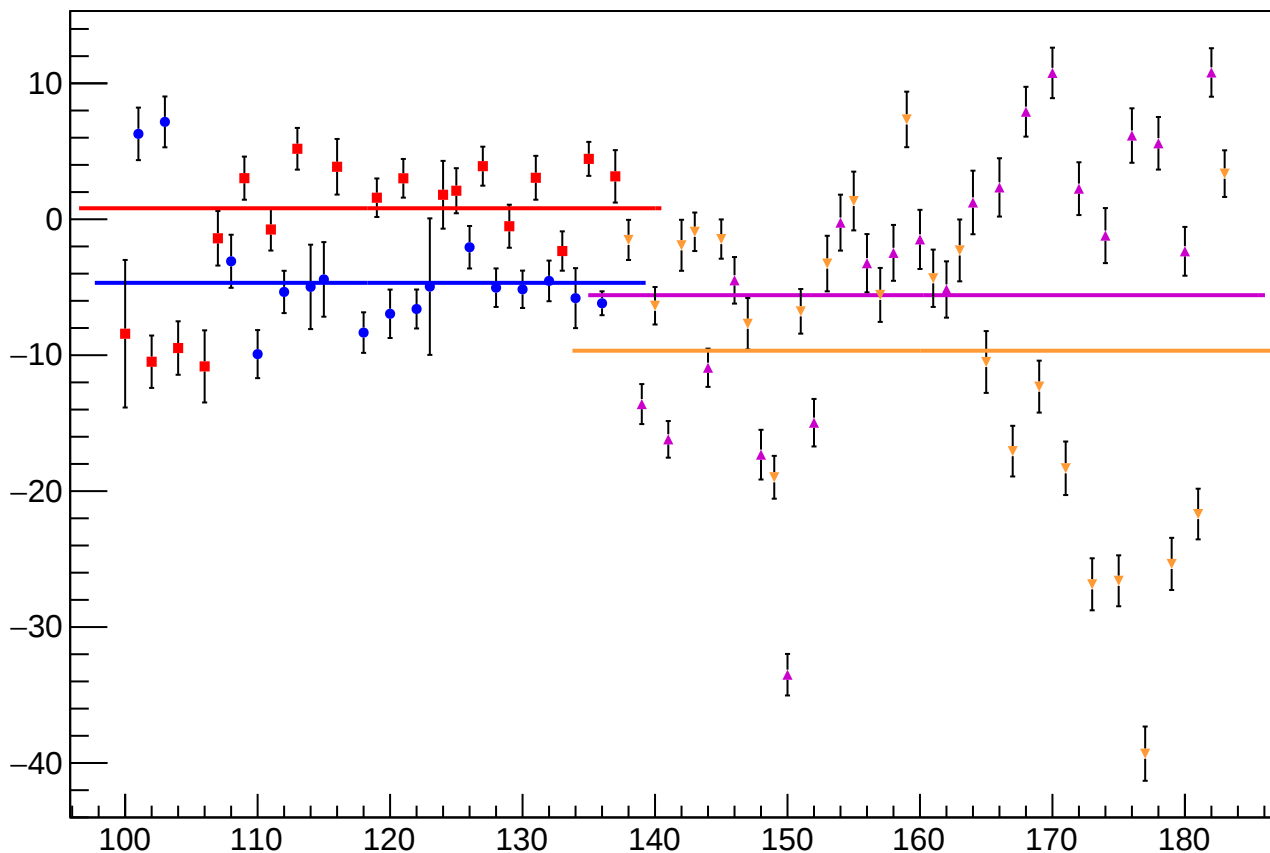
Left In: 2285.509 $\pm$ 0.395 χ^2 /NDF: 577284.2/21

+ sign 2430.902 $\pm$ 0.374 χ^2 /NDF: 7623169.6/40

All: 2447.128 $\pm$ 0.269 χ^2 /NDF: 15306729.1/8

- sign 2464.412 $\pm$ 0.386 χ^2 /NDF: 7679679.4/40

diff_bpm0l04Y_mean vs Slug



Right In: -4.677 ± 0.393 χ^2/NDF : 97.6/16

Left Out: -9.670 ± 0.368 χ^2/NDF : 875.0/23

Right Out: 0.810 ± 0.389 χ^2/NDF : 123.7/18

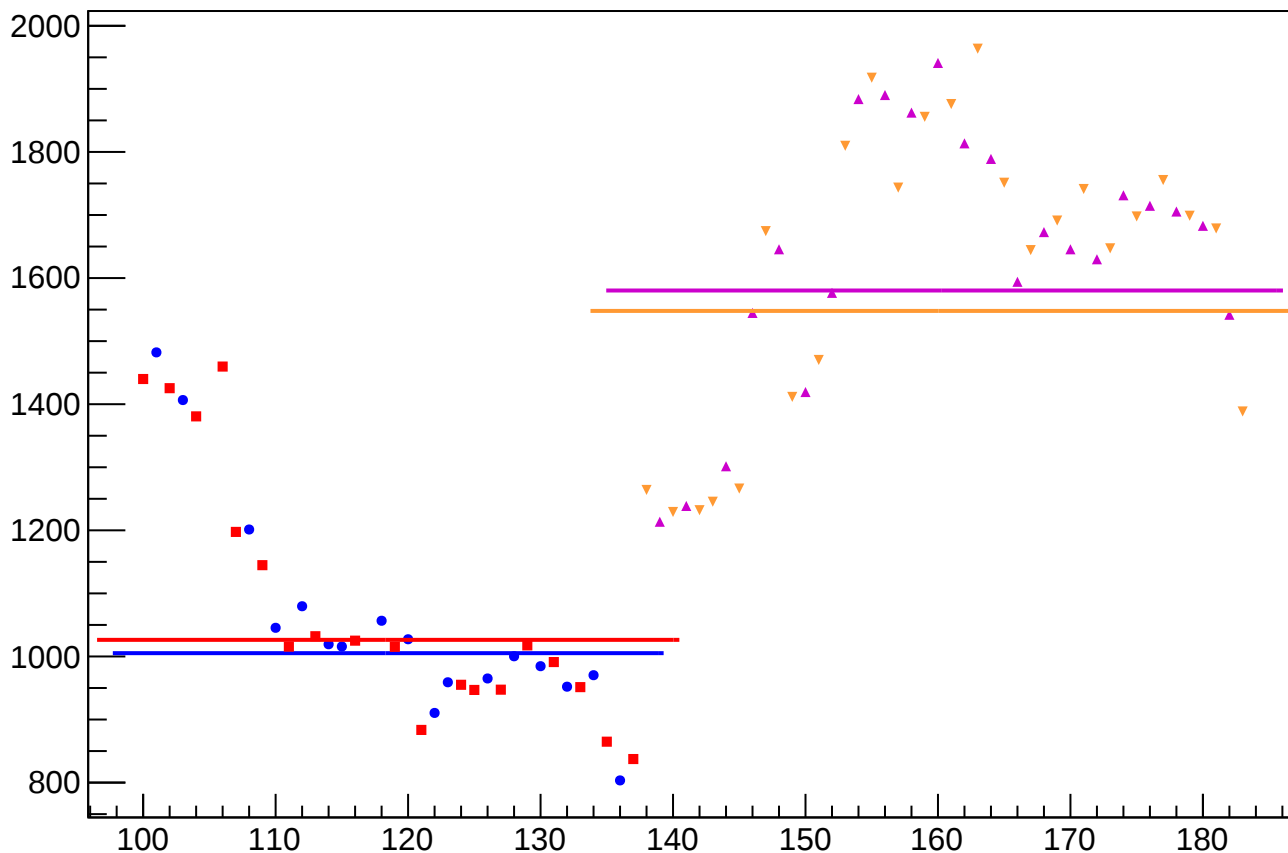
Left In: -5.585 ± 0.387 χ^2/NDF : 854.6/21

+ sign -7.339 ± 0.269 χ^2/NDF : 1058.6/40

All: -4.925 ± 0.192 χ^2/NDF : 2337.6/81

- sign -2.407 ± 0.274 χ^2/NDF : 1114.1/40

diff_bpm0l04Y_rms vs Slug



Right In: 1005.234+/-0.278 χ^2/NDF : 361933.2/16

Left Out: 1547.916+/-0.260 χ^2/NDF : 835712.9/23

Right Out: 1026.341+/-0.275 χ^2/NDF : 332964.3/18

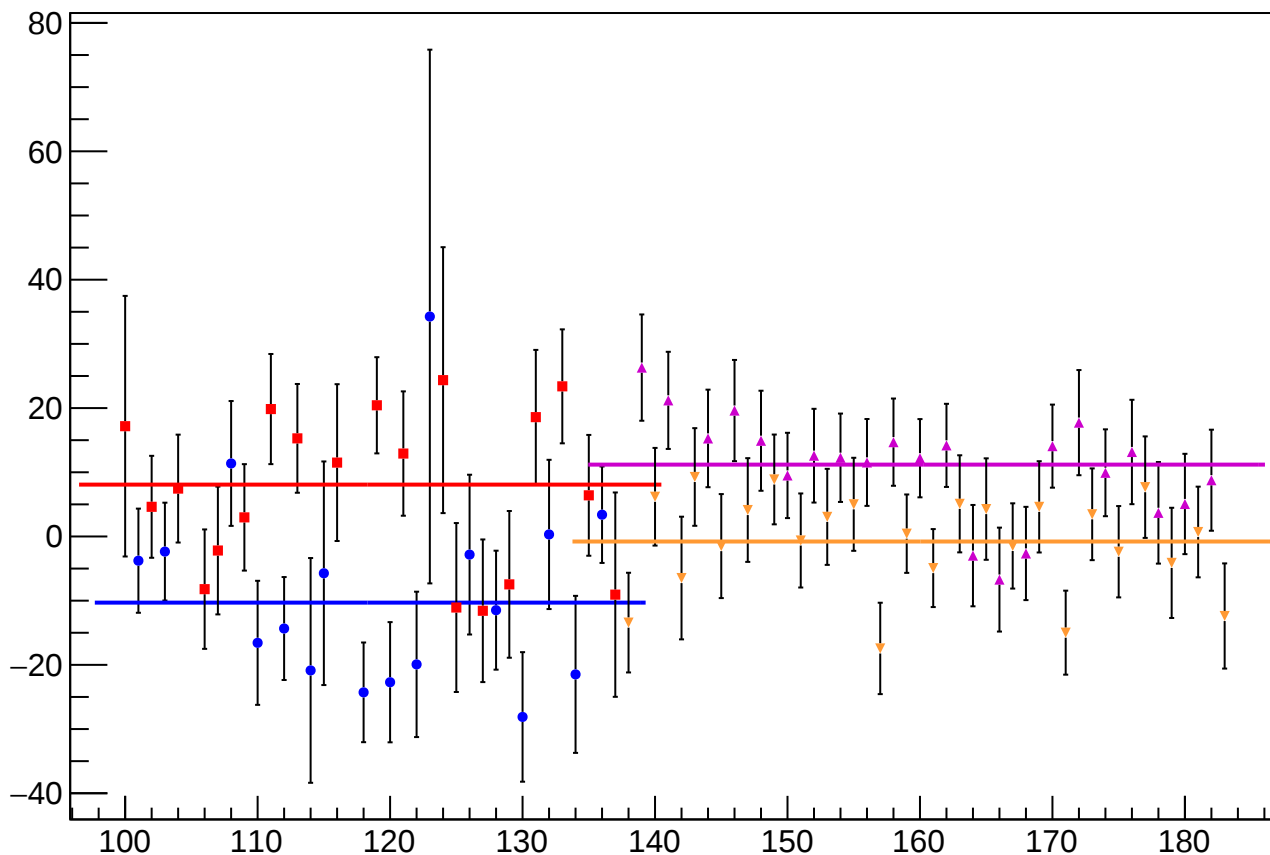
Left In: 1580.294+/-0.273 χ^2/NDF : 620827.2/21

+ sign 1294.640+/-0.190 χ^2/NDF : 3227903.8/40

All: 1299.748+/-0.136 χ^2/NDF : 6221576.4/83

- sign 1305.072+/-0.194 χ^2/NDF : 2992196.8/40

diff_bpm0l05X_mean vs Slug



Right In: -10.305 ± 2.412 χ^2/NDF : 23.2/16

Left Out: -0.785 ± 1.498 χ^2/NDF : 24.8/23

Right Out: 8.079 ± 2.281 χ^2/NDF : 23.4/18

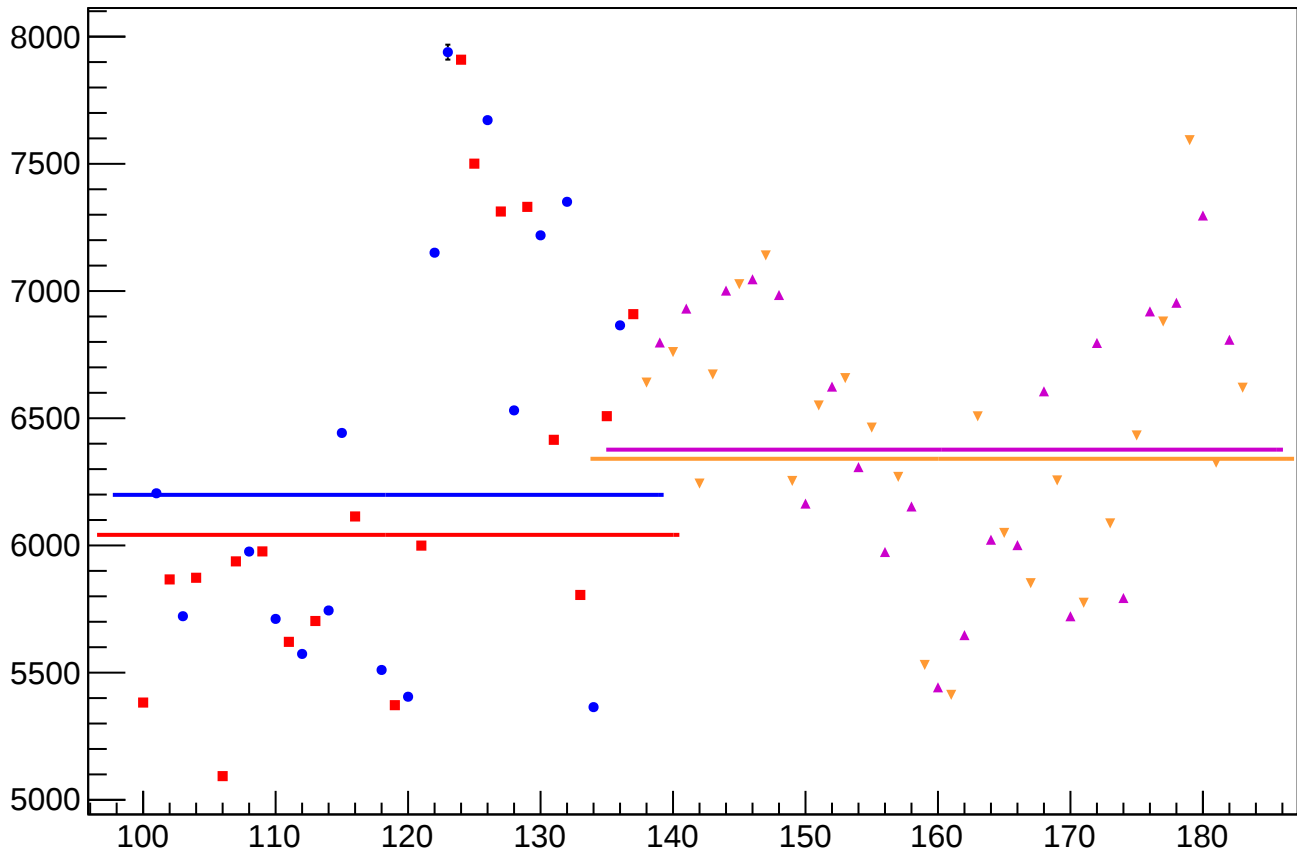
Left In: 11.193 ± 1.556 χ^2/NDF : 21.7/21

+ sign -3.436 ± 1.273 χ^2/NDF : 59.2/40

All: 3.318 ± 0.904 χ^2/NDF : 162.5/81

- sign 10.204 ± 1.285 χ^2/NDF : 46.4/40

diff_bpm0l05X_rms vs Slug



Right In: 6198.871+/-1.705 χ^2/NDF : 171305.8/16

Left Out: 6340.638+/-1.059 χ^2/NDF : 222057.1/23

Right Out: 6041.626+/-1.613 χ^2/NDF : 156387.0/18

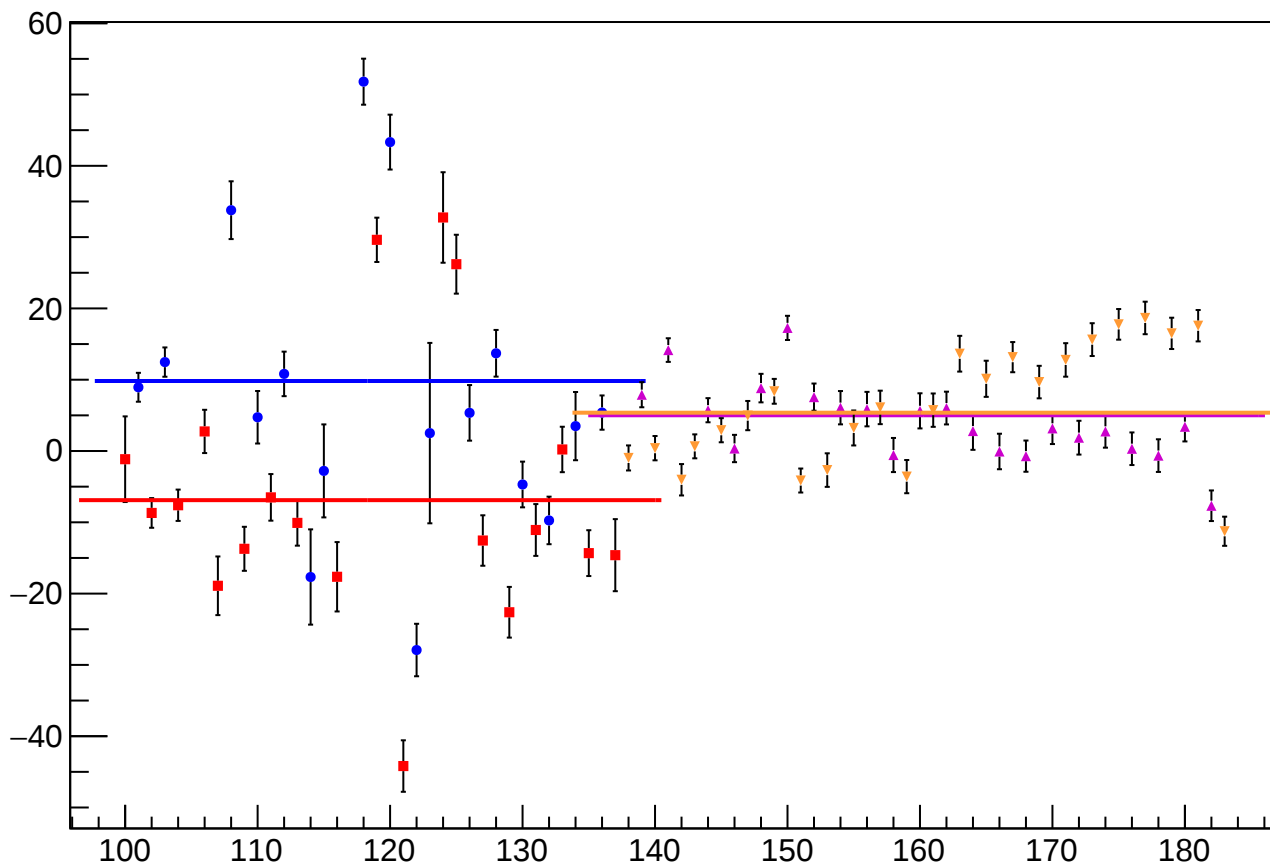
Left In: 6376.560+/-1.100 χ^2/NDF : 246437.3/21

+ sign 6301.163+/-0.900 χ^2/NDF : 398349.1/40

All: 6285.840+/-0.639 χ^2/NDF : 831197.0/81

- sign 6270.215+/-0.909 χ^2/NDF : 432262.3/40

diff_bpm0l05Y_mean vs Slug



Right In: 9.819 ± 0.798 χ^2/NDF : 472.6/16

Left Out: 5.374 ± 0.424 χ^2/NDF : 363.3/23

Right Out: -6.893 ± 0.766 χ^2/NDF : 415.2/18

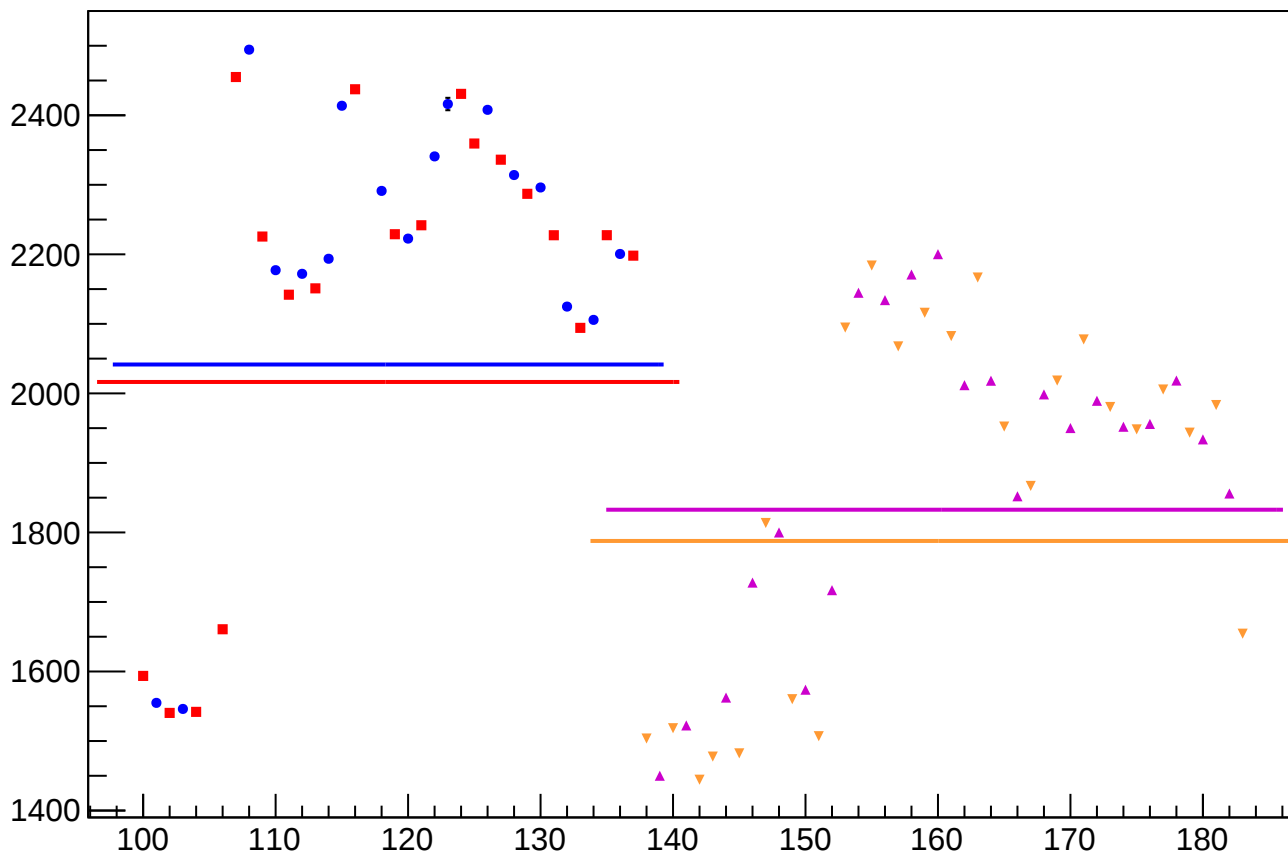
Left In: 5.013 ± 0.448 χ^2/NDF : 163.9/21

+ sign 6.354 ± 0.375 χ^2/NDF : 860.1/40

All: 4.236 ± 0.269 χ^2/NDF : 1685.4/81

- sign 1.980 ± 0.386 χ^2/NDF : 759.2/40

diff_bpm0l05Y_rms vs Slug



Right In: 2041.543 $\pm$ 0.564 χ^2 /NDF: 356223.7/16

Left Out: 1787.752 $\pm$ 0.300 χ^2 /NDF: 746165.2/23

Right Out: 2016.419 $\pm$ 0.542 χ^2 /NDF: 375150.5/18

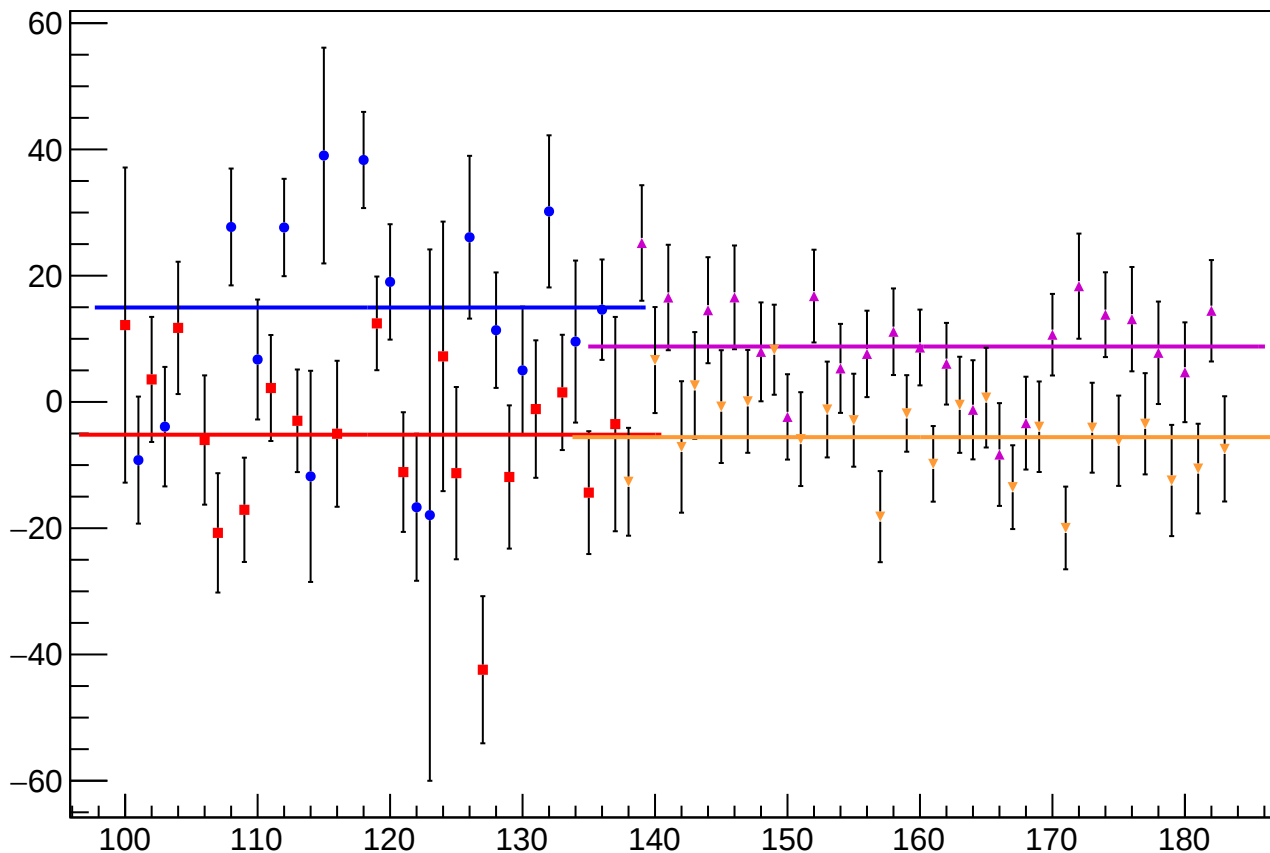
Left In: 1832.681 $\pm$ 0.317 χ^2 /NDF: 505111.6/21

+ sign 1843.669 $\pm$ 0.265 χ^2 /NDF: 1260118.9/40

All: 1861.013 $\pm$ 0.190 χ^2 /NDF: 2235039.8/83

- sign 1879.479 $\pm$ 0.273 χ^2 /NDF: 966066.7/40

diff_bpm0l06X_mean vs Slug



Right In: 14.961 $\pm$ 2.490 χ^2 /NDF: 40.9/16

Left Out: -5.576 $\pm$ 1.530 χ^2 /NDF: 21.4/23

Right Out: -5.187 $\pm$ 2.360 χ^2 /NDF: 28.2/18

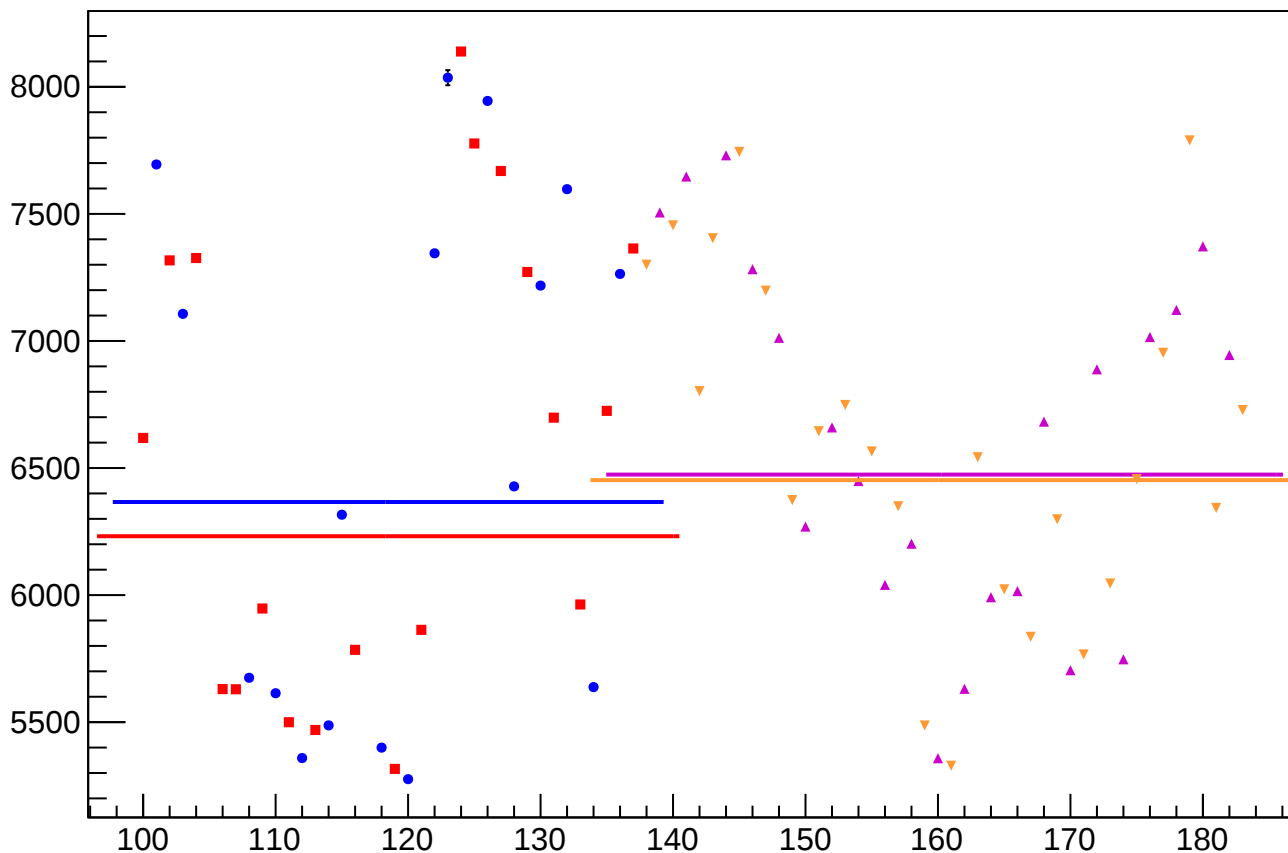
Left In: 8.780 $\pm$ 1.585 χ^2 /NDF: 21.7/21

+ sign 0.053 $\pm$ 1.303 χ^2 /NDF: 111.6/40

All: 2.225 $\pm$ 0.926 χ^2 /NDF: 191.3/81

- sign 4.438 $\pm$ 1.316 χ^2 /NDF: 74.1/40

diff_bpm0l06X_rms vs Slug



Right In: 6366.340+/-1.760 χ^2/NDF : 285567.3/16

Left Out: 6452.395+/-1.082 χ^2/NDF : 370426.7/23

Right Out: 6231.657+/-1.669 χ^2/NDF : 241308.4/18

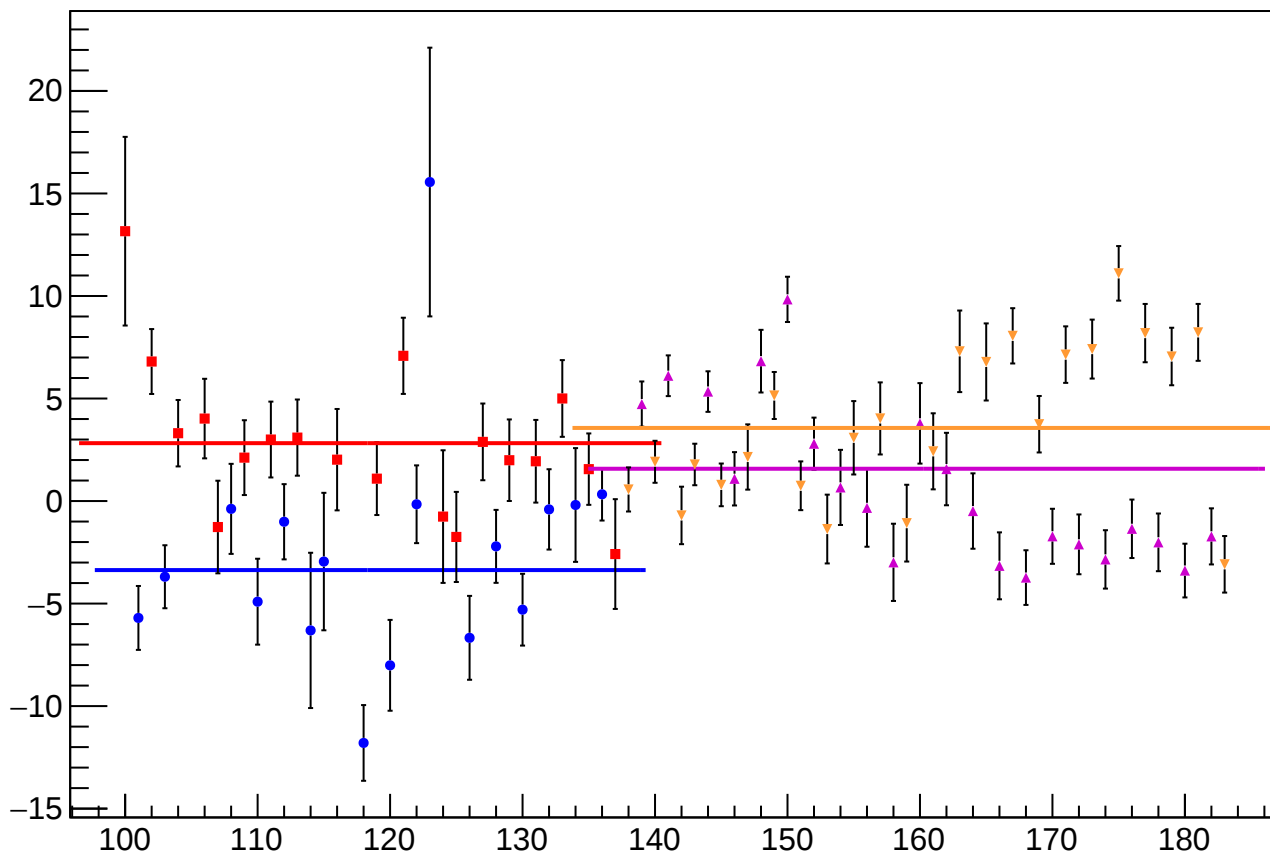
Left In: 6474.092+/-1.121 χ^2/NDF : 382147.8/21

+ sign 6428.808+/-0.922 χ^2/NDF : 657728.5/40

All: 6413.905+/-0.655 χ^2/NDF : 1296258.6/83

- sign 6398.719+/-0.930 χ^2/NDF : 638002.2/40

diff_bpm0l06Y_mean vs Slug



Right In: -3.367 ± 0.476 $\chi^2/\text{NDF}: 59.6/16$

Left Out: 3.565 ± 0.278 $\chi^2/\text{NDF}: 168.3/23$

Right Out: 2.823 ± 0.457 $\chi^2/\text{NDF}: 33.5/18$

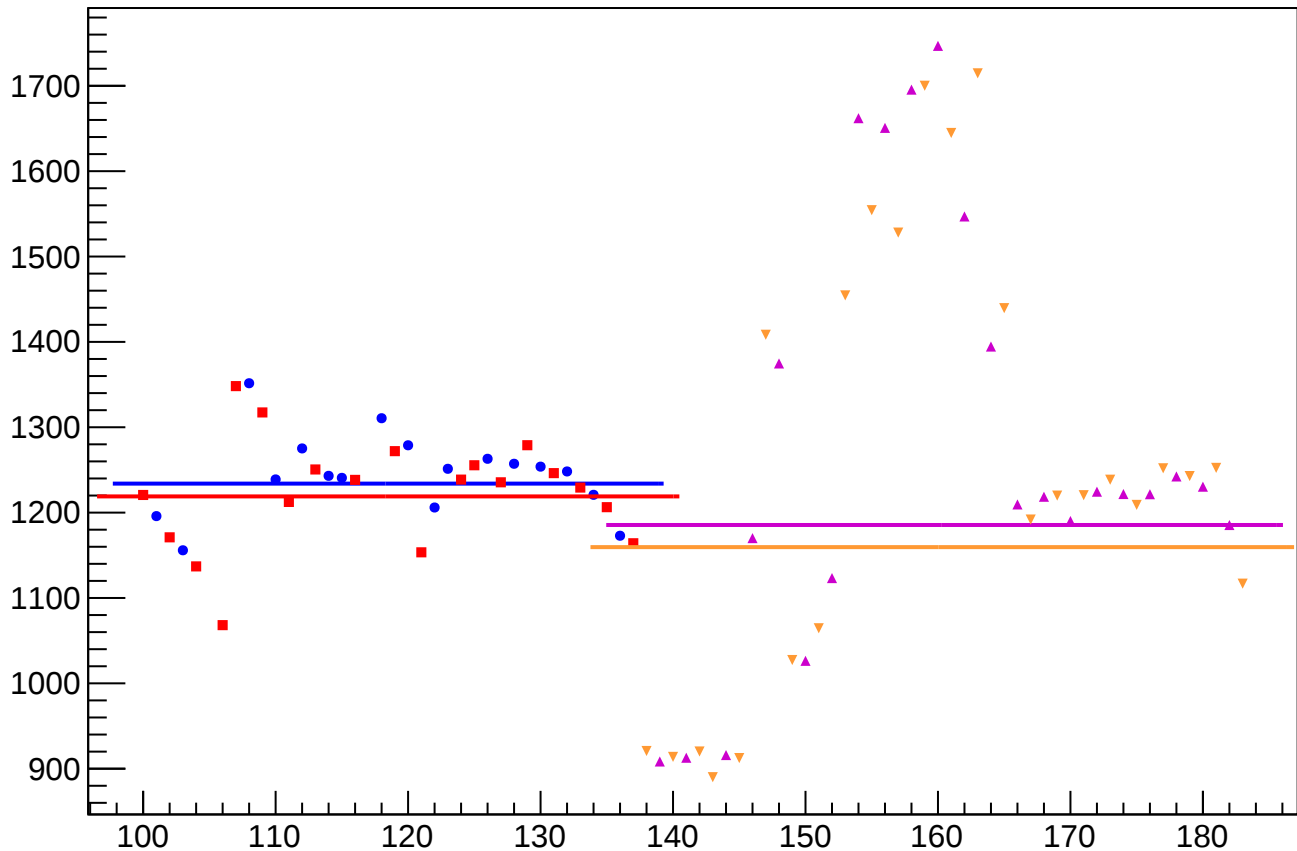
Left In: 1.575 ± 0.293 $\chi^2/\text{NDF}: 199.3/21$

+ sign 1.799 ± 0.240 $\chi^2/\text{NDF}: 385.7/40$

All: 1.867 ± 0.172 $\chi^2/\text{NDF}: 624.0/81$

- sign 1.939 ± 0.247 $\chi^2/\text{NDF}: 238.1/40$

diff_bpm0l06Y_rms vs Slug



Right In: 1233.978 $\pm$ 0.337 χ^2 /NDF: 23557.3/16

Left Out: 1159.566 $\pm$ 0.197 χ^2 /NDF: 1409659.9/23

Right Out: 1218.985 $\pm$ 0.323 χ^2 /NDF: 40373.1/18

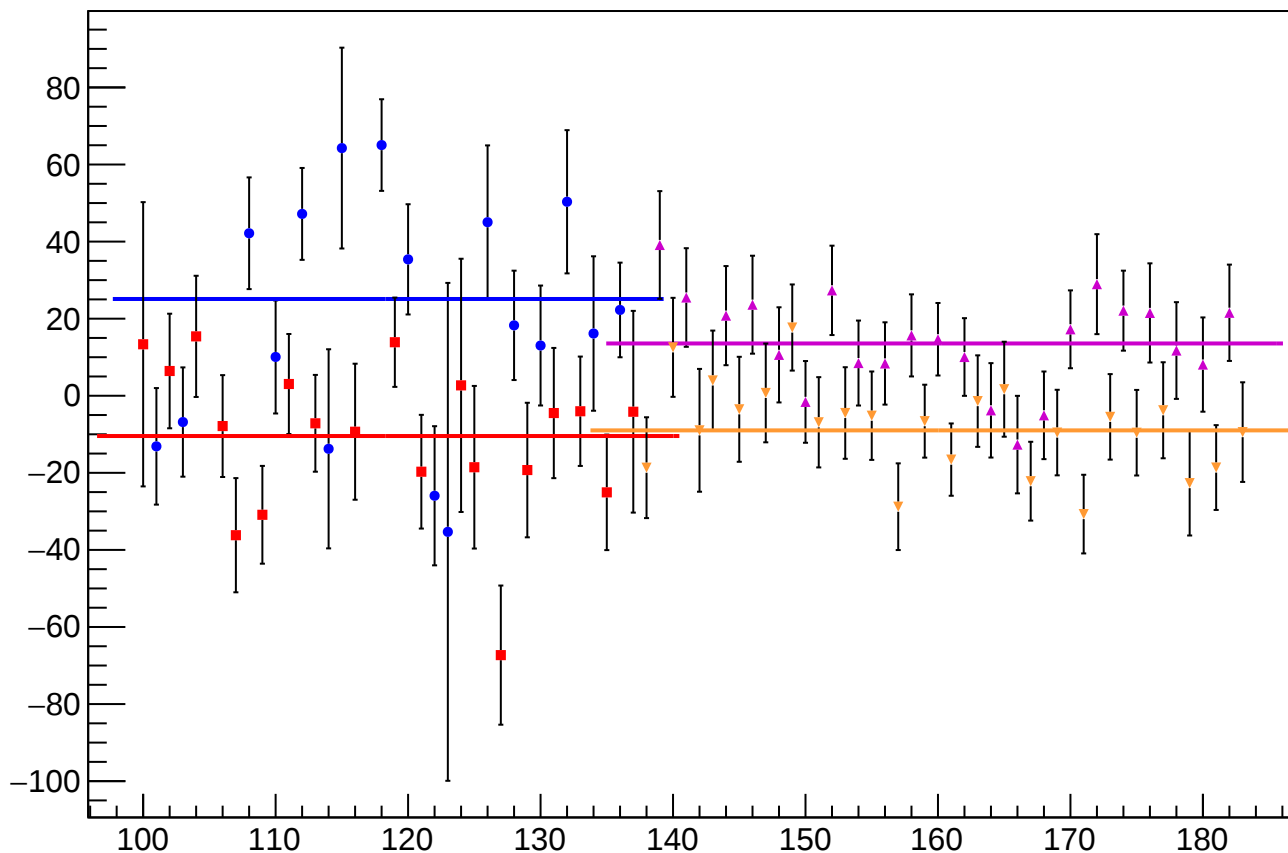
Left In: 1185.510 $\pm$ 0.207 χ^2 /NDF: 1190050.7/21

+ sign 1178.522 $\pm$ 0.170 χ^2 /NDF: 1469591.3/40

All: 1186.676 $\pm$ 0.122 χ^2 /NDF: 2712337.4/83

- sign 1195.272 $\pm$ 0.175 χ^2 /NDF: 1238020.9/40

diff_bpm0l07X_mean vs Slug



Right In: 25.108 ± 3.844 χ^2/NDF : 46.5/16

Left Out: -8.986 ± 2.377 χ^2/NDF : 24.3/23

Right Out: -10.450 ± 3.598 χ^2/NDF : 27.8/18

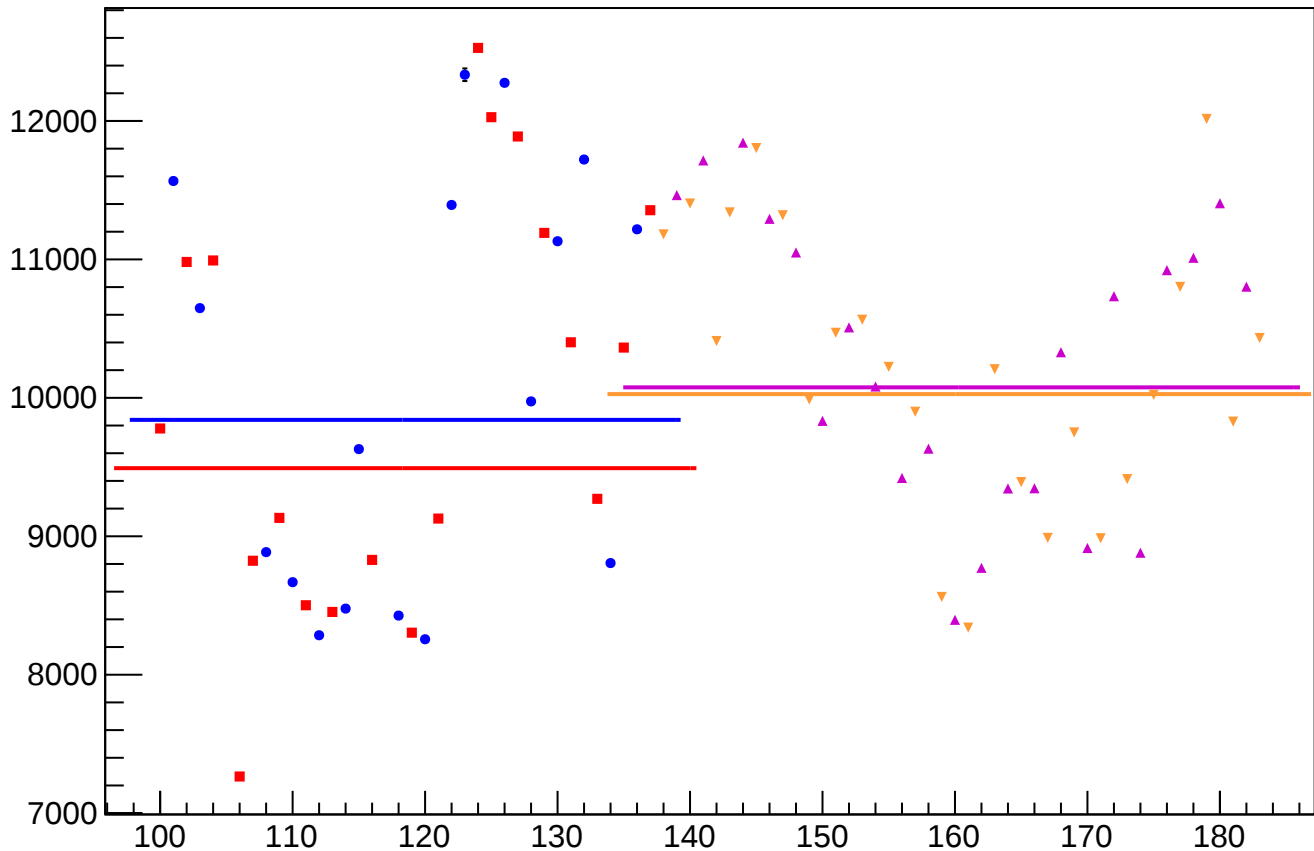
Left In: 13.567 ± 2.466 χ^2/NDF : 21.5/21

+ sign 0.442 ± 2.022 χ^2/NDF : 127.7/40

All: 3.151 ± 1.434 χ^2/NDF : 211.0/81

- sign 5.893 ± 2.034 χ^2/NDF : 79.7/40

diff_bpm0l07X_rms vs Slug



Right In: 9840.966+/-2.718 χ^2/NDF : 259106.8/16

Left Out: 10026.990+/-1.681 χ^2/NDF : 342887.4/23

Right Out: 9491.994+/-2.544 χ^2/NDF : 274580.8/18

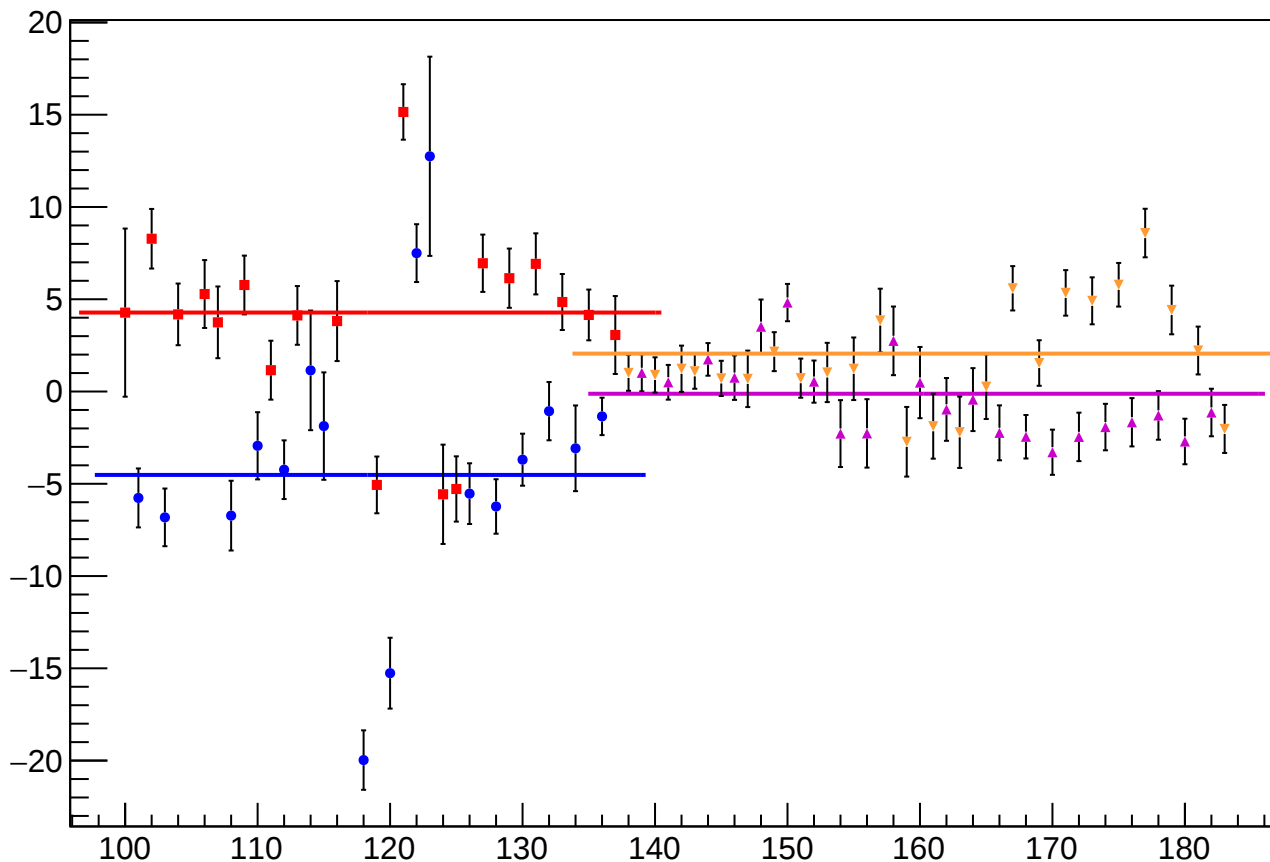
Left In: 10075.825+/-1.744 χ^2/NDF : 356123.7/21

+ sign 9975.545+/-1.429 χ^2/NDF : 605382.7/40

All: 9932.674+/-1.014 χ^2/NDF : 1273724.7/83

- sign 9889.271+/-1.438 χ^2/NDF : 666531.9/40

diff_bpm0l07Y_mean vs Slug



Right In: -4.520 ± 0.409 χ^2/NDF : 218.2/16

Left Out: 2.054 ± 0.257 χ^2/NDF : 96.2/23

Right Out: 4.279 ± 0.395 χ^2/NDF : 150.4/18

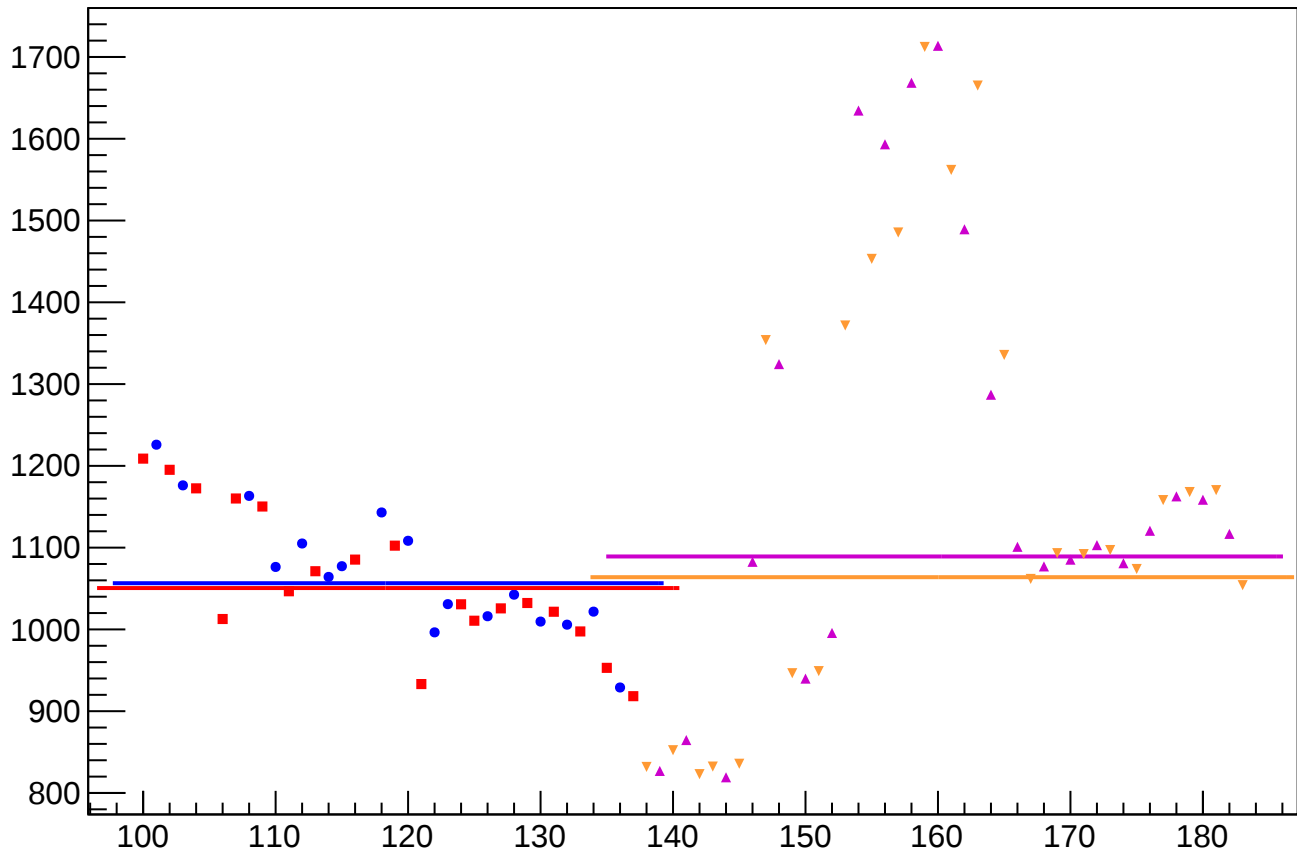
Left In: -0.121 ± 0.271 χ^2/NDF : 67.6/21

+ sign 0.196 ± 0.217 χ^2/NDF : 499.8/40

All: 0.728 ± 0.156 χ^2/NDF : 814.6/81

- sign 1.290 ± 0.223 χ^2/NDF : 302.5/40

diff_bpm0l07Y_rms vs Slug



Right In: 1056.494+/-0.289 χ^2/NDF : 90759.5/16

Left Out: 1063.864+/-0.182 χ^2/NDF : 1617233.0/23

Right Out: 1050.578+/-0.279 χ^2/NDF : 82328.7/18

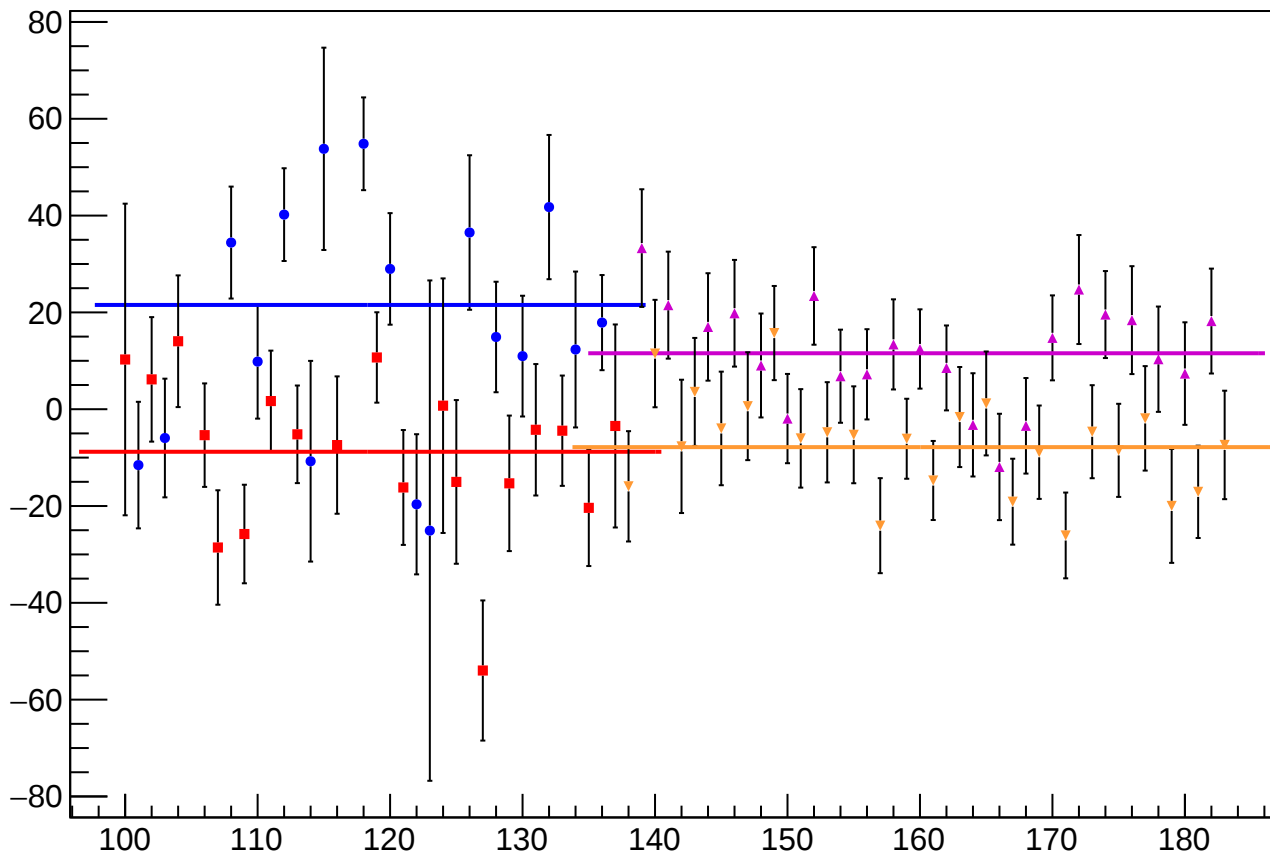
Left In: 1089.196+/-0.192 χ^2/NDF : 1430475.7/21

+ sign 1061.780+/-0.154 χ^2/NDF : 1708458.6/40

All: 1069.093+/-0.110 χ^2/NDF : 3238928.9/83

- sign 1076.816+/-0.158 χ^2/NDF : 1525818.3/40

diff_bpm0l08X_mean vs Slug



Right In: 21.541 $\pm$ 3.116 χ^2 /NDF: 47.9/16

Left Out: -7.835 $\pm$ 2.065 χ^2 /NDF: 24.2/23

Right Out: -8.792 $\pm$ 2.915 χ^2 /NDF: 27.6/18

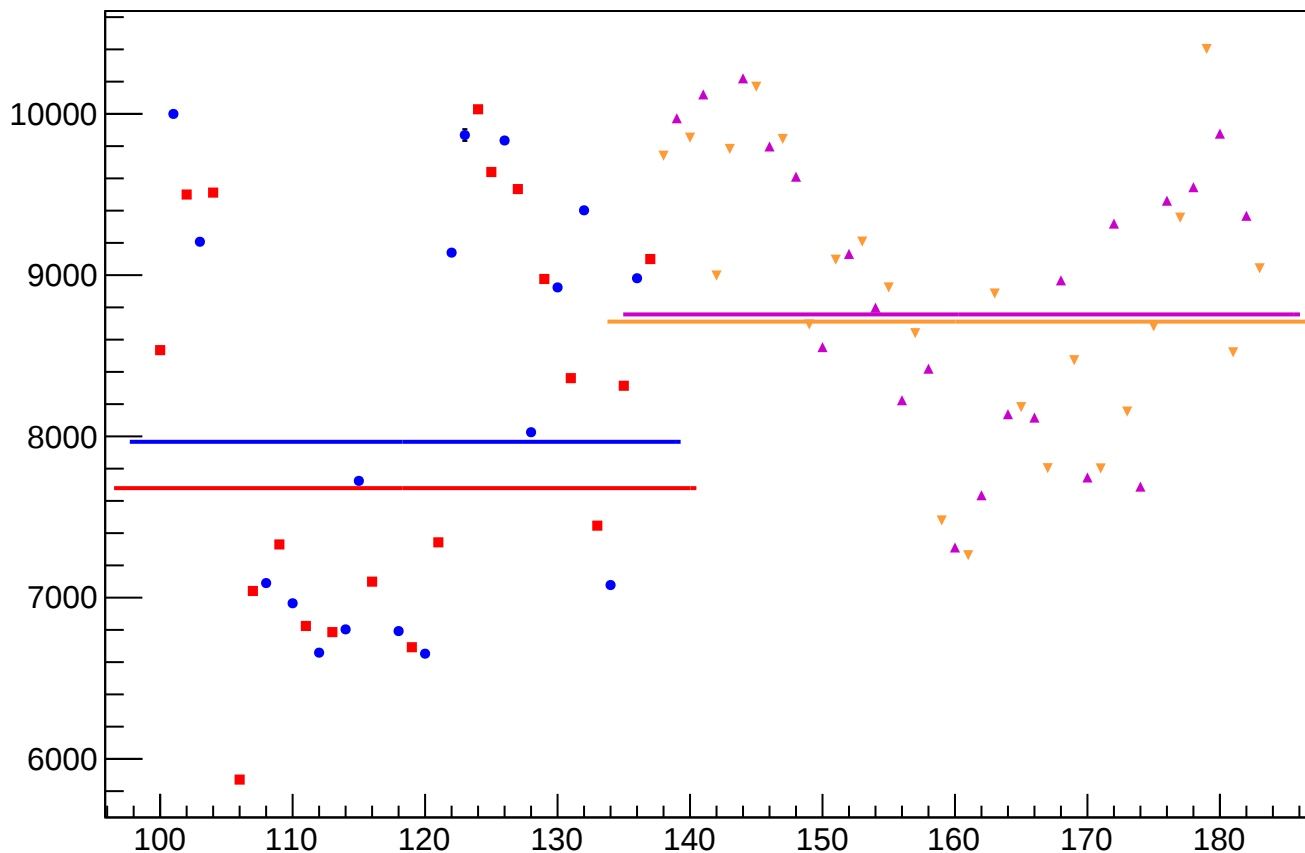
Left In: 11.559 $\pm$ 2.142 χ^2 /NDF: 21.0/21

+ sign 1.127 $\pm$ 1.721 χ^2 /NDF: 133.8/40

All: 2.769 $\pm$ 1.219 χ^2 /NDF: 215.9/81

- sign 4.421 $\pm$ 1.726 χ^2 /NDF: 80.2/40

diff_bpm0l08X_rms vs Slug



Right In: 7966.450+/-2.203 χ^2/NDF : 295660.2/16

Left Out: 8711.762+/-1.460 χ^2/NDF : 330609.1/23

Right Out: 7679.131+/-2.061 χ^2/NDF : 313051.7/18

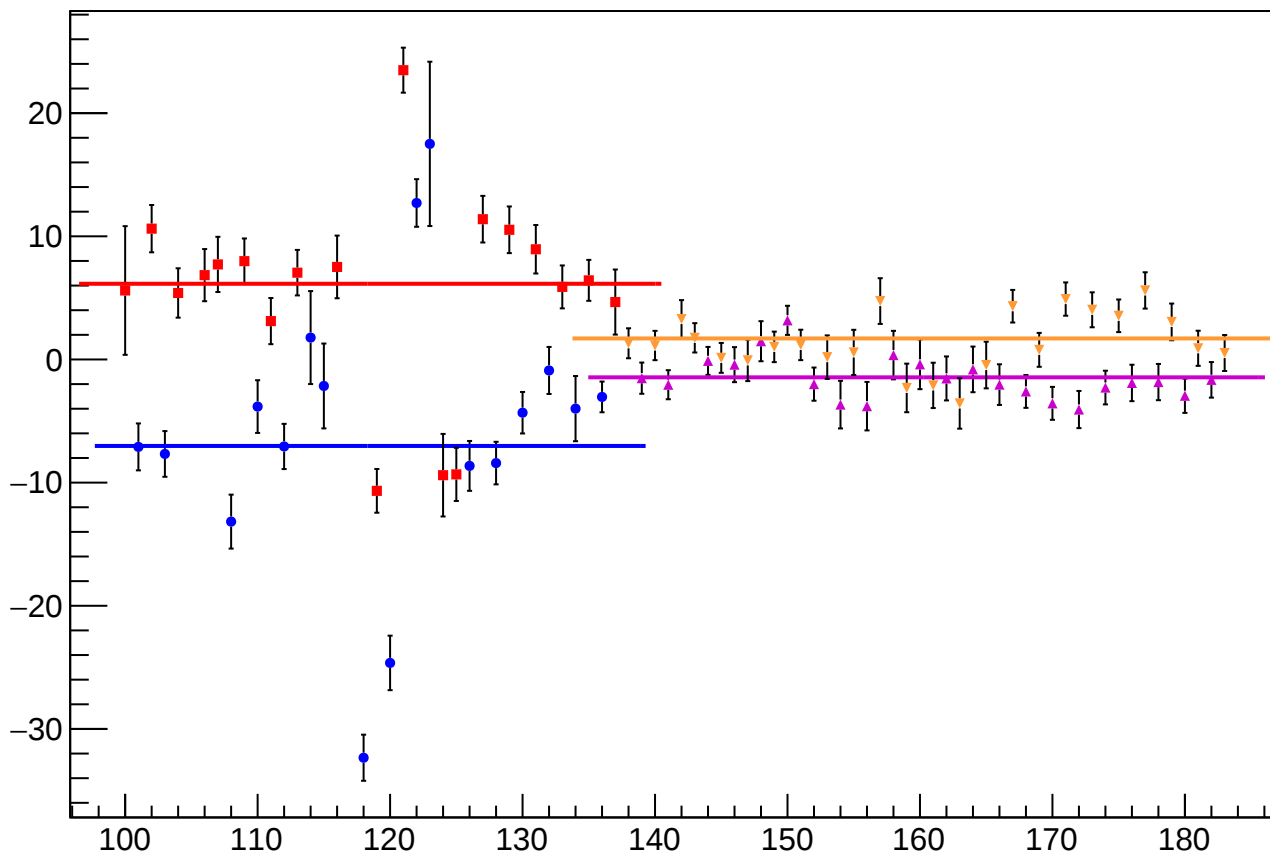
Left In: 8756.374+/-1.515 χ^2/NDF : 345230.1/21

+ sign 8484.382+/-1.217 χ^2/NDF : 705790.1/40

All: 8431.629+/-0.862 χ^2/NDF : 1545196.1/83

- sign 8378.553+/-1.221 χ^2/NDF : 835636.2/40

diff_bpm0l08Y_mean vs Slug



Right In: -7.022 ± 0.487 χ^2/NDF : 407.3/16

Left Out: 1.706 ± 0.296 χ^2/NDF : 48.2/23

Right Out: 6.146 ± 0.467 χ^2/NDF : 278.4/18

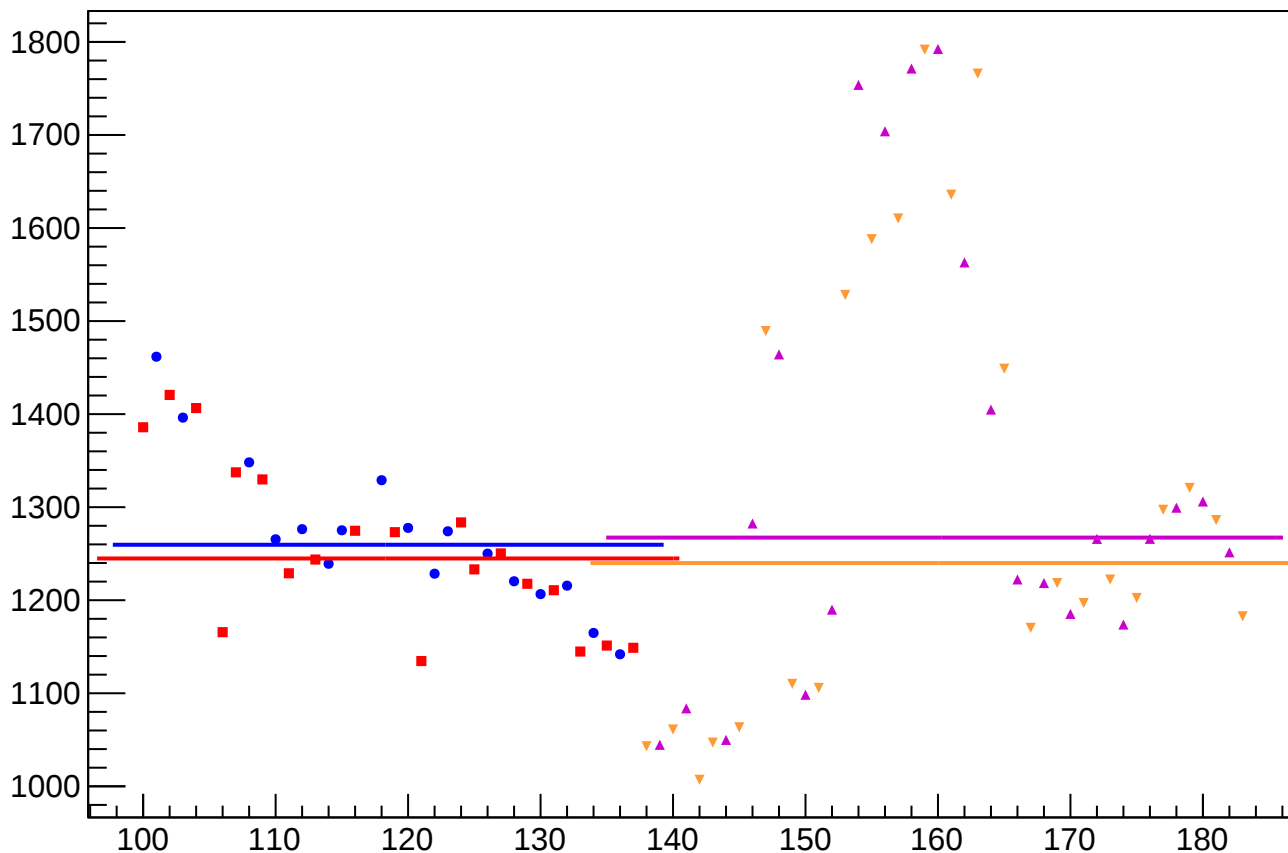
Left In: -1.451 ± 0.312 χ^2/NDF : 33.0/21

+ sign -0.648 ± 0.253 χ^2/NDF : 690.0/40

All: 0.101 ± 0.181 χ^2/NDF : 1202.1/81

- sign 0.891 ± 0.260 χ^2/NDF : 494.1/40

diff_bpm0l08Y_rms vs Slug



Right In: 1259.602 $\pm$ 0.344 χ^2 /NDF: 64816.8/16

Left Out: 1239.967 $\pm$ 0.209 χ^2 /NDF: 961890.1/23

Right Out: 1244.874 $\pm$ 0.331 χ^2 /NDF: 66819.5/18

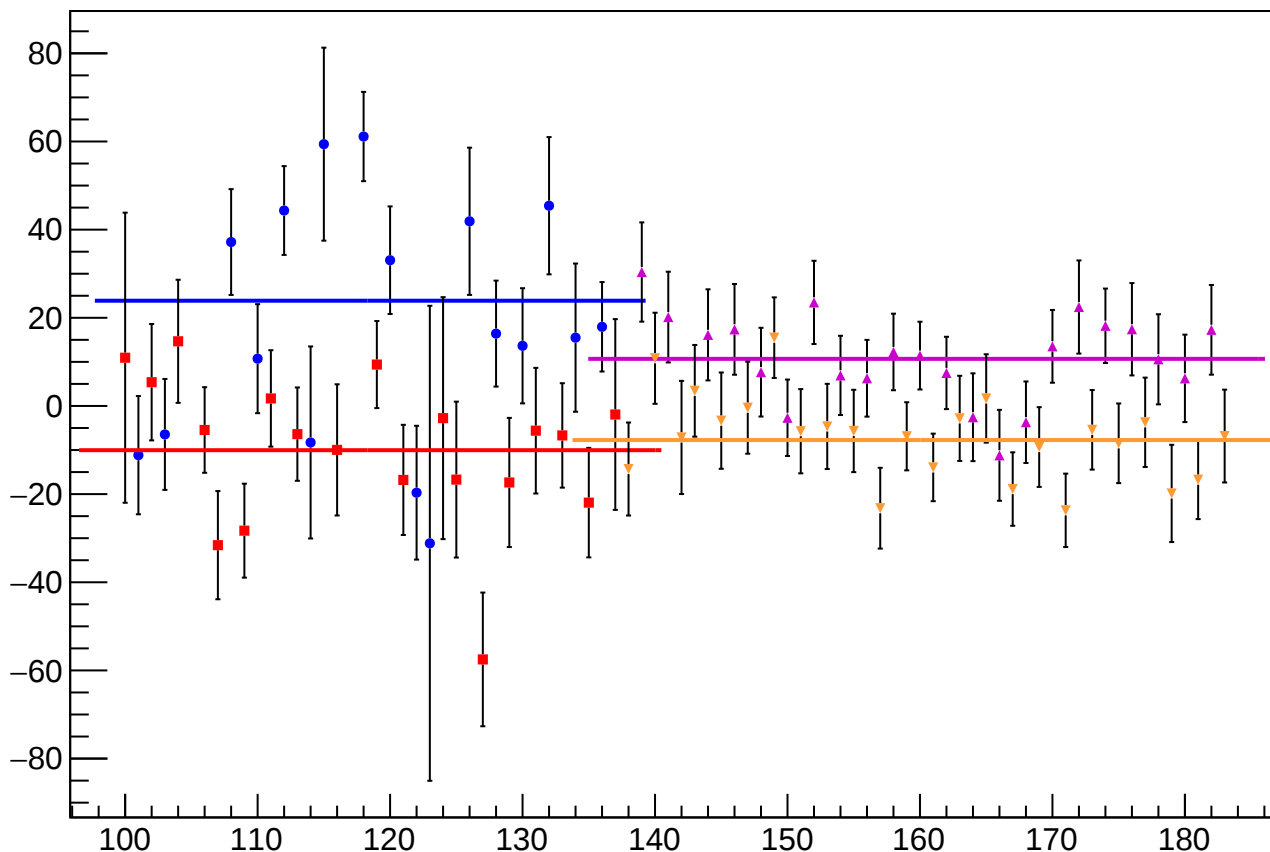
Left In: 1267.300 $\pm$ 0.221 χ^2 /NDF: 842361.6/21

+ sign 1245.263 $\pm$ 0.179 χ^2 /NDF: 1029080.4/40

All: 1252.632 $\pm$ 0.128 χ^2 /NDF: 1944928.8/83

- sign 1260.388 $\pm$ 0.184 χ^2 /NDF: 912365.4/40

diff_bpm0l09X_mean vs Slug



Right In: 23.876 ± 3.256 $\chi^2/\text{NDF}: 52.0/16$

Left Out: -7.737 ± 1.933 $\chi^2/\text{NDF}: 24.7/23$

Right Out: -10.036 ± 3.009 $\chi^2/\text{NDF}: 28.1/18$

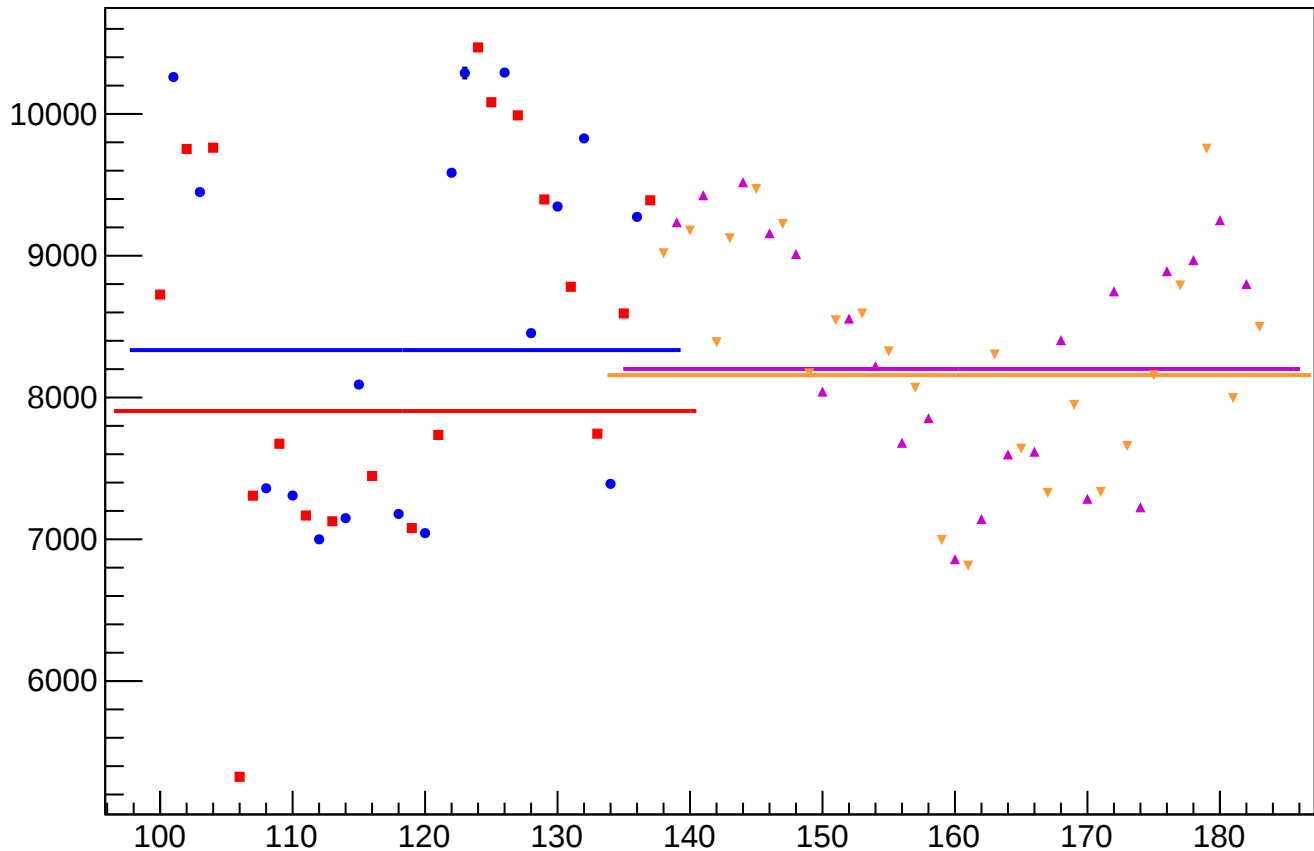
Left In: 10.686 ± 2.006 $\chi^2/\text{NDF}: 21.4/21$

+ sign 0.500 ± 1.662 $\chi^2/\text{NDF}: 146.3/40$

All: 2.396 ± 1.178 $\chi^2/\text{NDF}: 231.3/81$

- sign 4.308 ± 1.669 $\chi^2/\text{NDF}: 82.3/40$

diff_bpm0l09X_rms vs Slug



Right In: 8334.433+/-2.303 χ^2/NDF : 271366.4/16

Left Out: 8158.046+/-1.367 χ^2/NDF : 320287.9/23

Right Out: 7904.987+/-2.127 χ^2/NDF : 388597.2/18

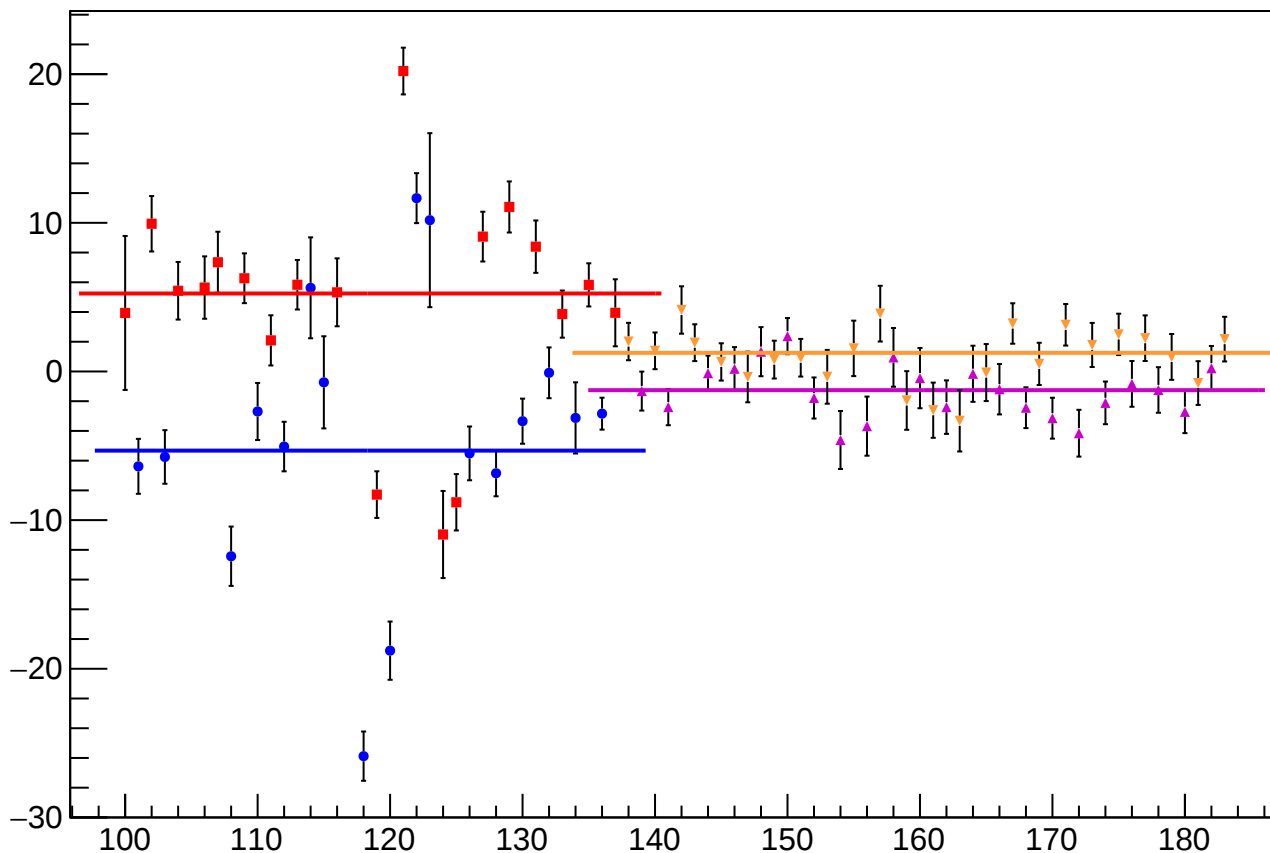
Left In: 8201.469+/-1.419 χ^2/NDF : 336727.1/21

+ sign 8204.003+/-1.175 χ^2/NDF : 595993.7/40

All: 8157.307+/-0.833 χ^2/NDF : 1337932.5/83

- sign 8110.217+/-1.180 χ^2/NDF : 738768.4/40

diff_bpm0l09Y_mean vs Slug



Right In: -5.325 ± 0.438 χ^2/NDF : 355.9/16

Left Out: 1.253 ± 0.305 χ^2/NDF : 28.3/23

Right Out: 5.245 ± 0.422 χ^2/NDF : 283.1/18

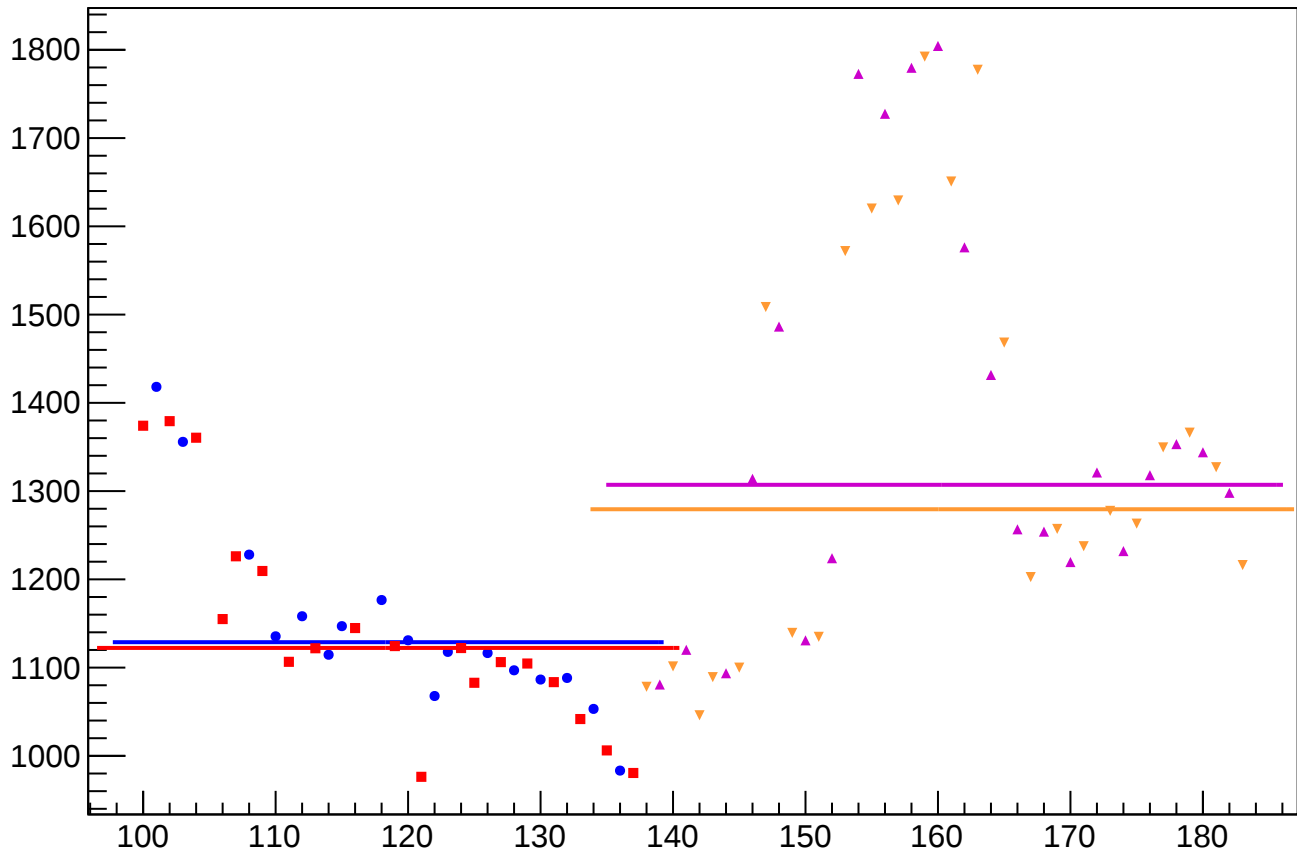
Left In: -1.258 ± 0.321 χ^2/NDF : 29.3/21

+ sign -0.896 ± 0.250 χ^2/NDF : 536.2/40

All: 0.092 ± 0.179 χ^2/NDF : 1030.8/81

- sign 1.125 ± 0.256 χ^2/NDF : 462.6/40

diff_bpm0l09Y_rms vs Slug



Right In: 1128.798 $\pm$ 0.309 χ^2 /NDF: 133077.7/16

Left Out: 1279.436 $\pm$ 0.216 χ^2 /NDF: 875049.3/23

Right Out: 1122.305 $\pm$ 0.299 χ^2 /NDF: 129605.6/18

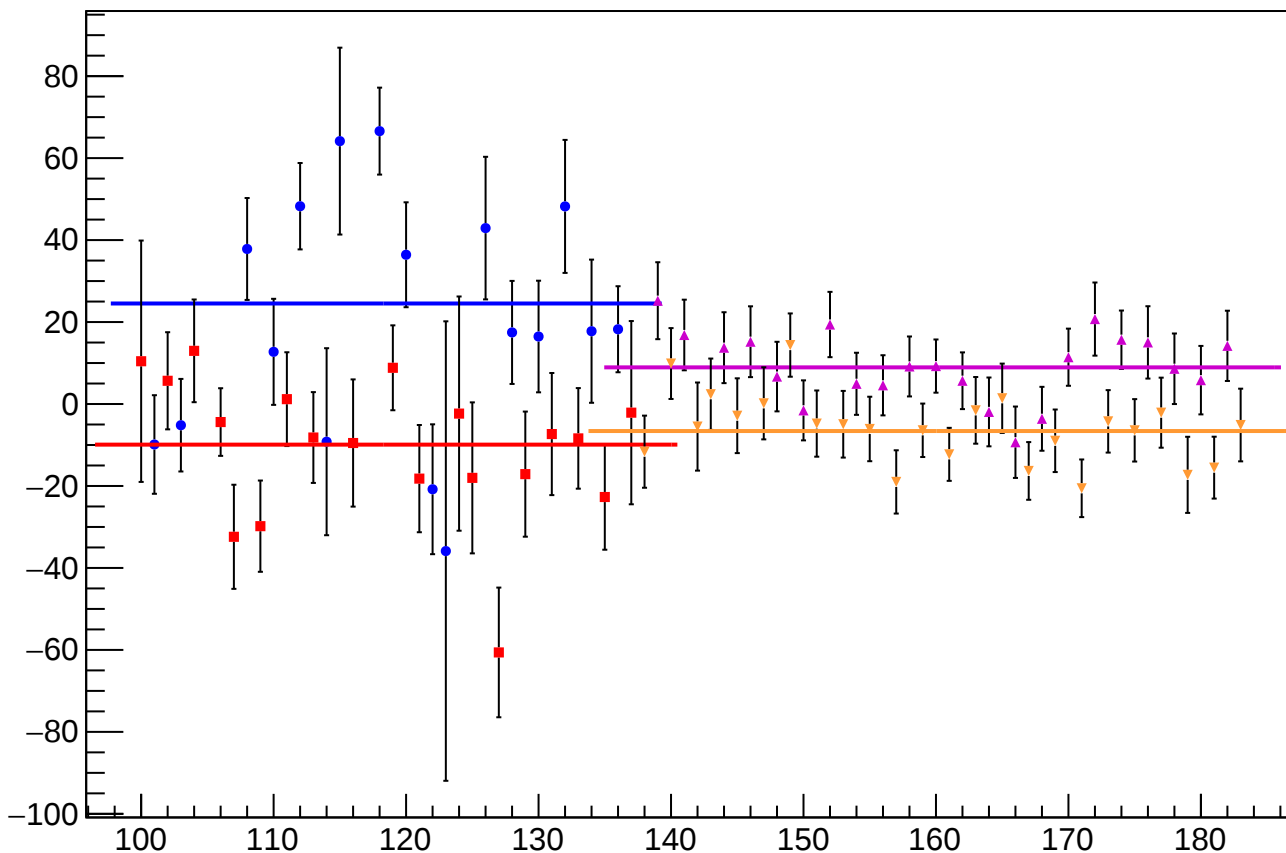
Left In: 1307.123 $\pm$ 0.227 χ^2 /NDF: 757931.4/21

+ sign 1230.209 $\pm$ 0.177 χ^2 /NDF: 1167649.9/40

All: 1234.699 $\pm$ 0.126 χ^2 /NDF: 2299094.0/83

- sign 1239.391 $\pm$ 0.181 χ^2 /NDF: 1130126.4/40

diff_bpm0l10X_mean vs Slug



Right In: 24.527 ± 3.324 $\chi^2/\text{NDF}: 57.7/16$

Left Out: -6.594 ± 1.628 $\chi^2/\text{NDF}: 27.0/23$

Right Out: -9.911 ± 3.010 $\chi^2/\text{NDF}: 28.9/18$

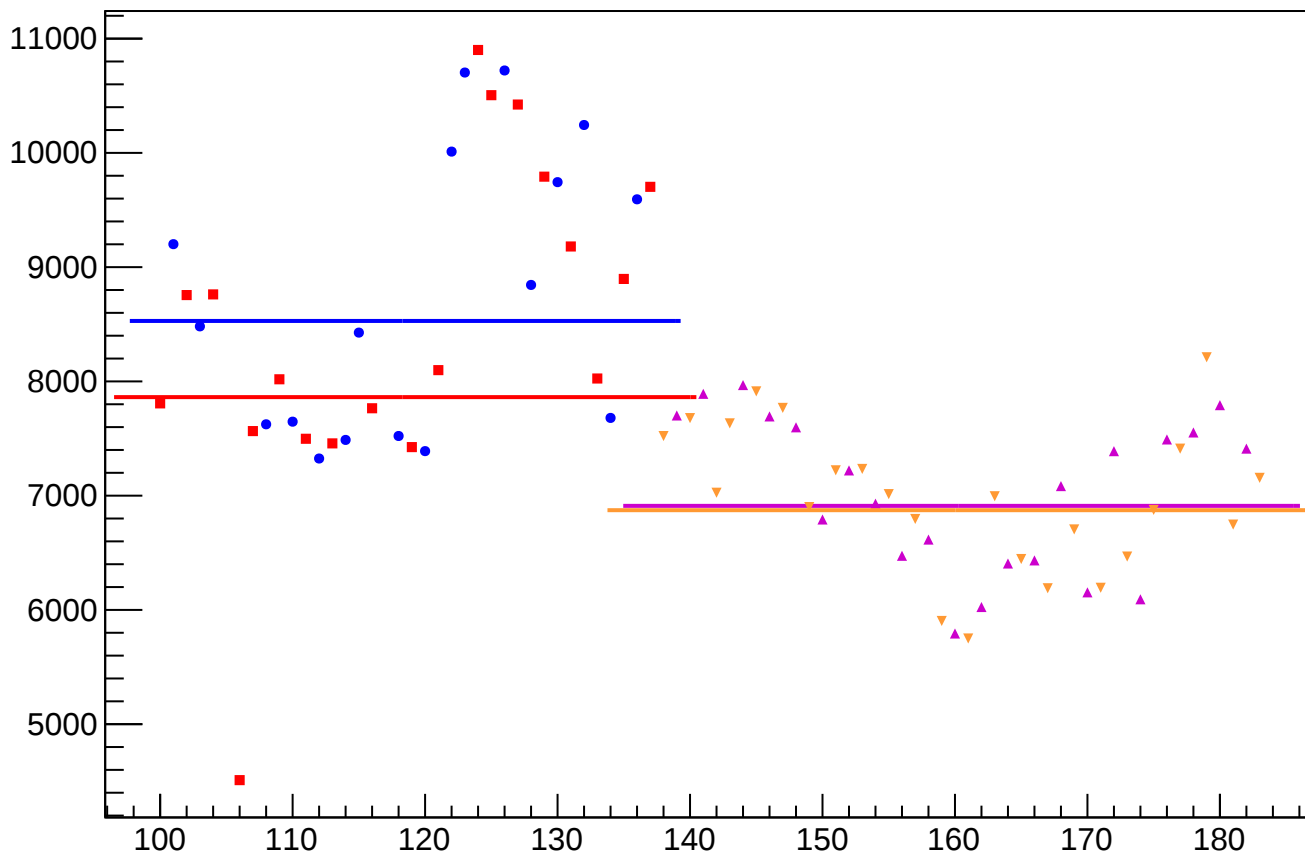
Left In: 8.941 ± 1.690 $\chi^2/\text{NDF}: 21.8/21$

+ sign -0.574 ± 1.462 $\chi^2/\text{NDF}: 155.4/40$

All: 1.905 ± 1.038 $\chi^2/\text{NDF}: 241.7/81$

- sign 4.424 ± 1.474 $\chi^2/\text{NDF}: 80.5/40$

diff_bpm0l10X_rms vs Slug



Right In: 8529.154+/-2.350 χ^2/NDF : 207392.9/16

Left Out: 6872.848+/-1.151 χ^2/NDF : 305402.7/23

Right Out: 7862.444+/-2.129 χ^2/NDF : 552825.5/18

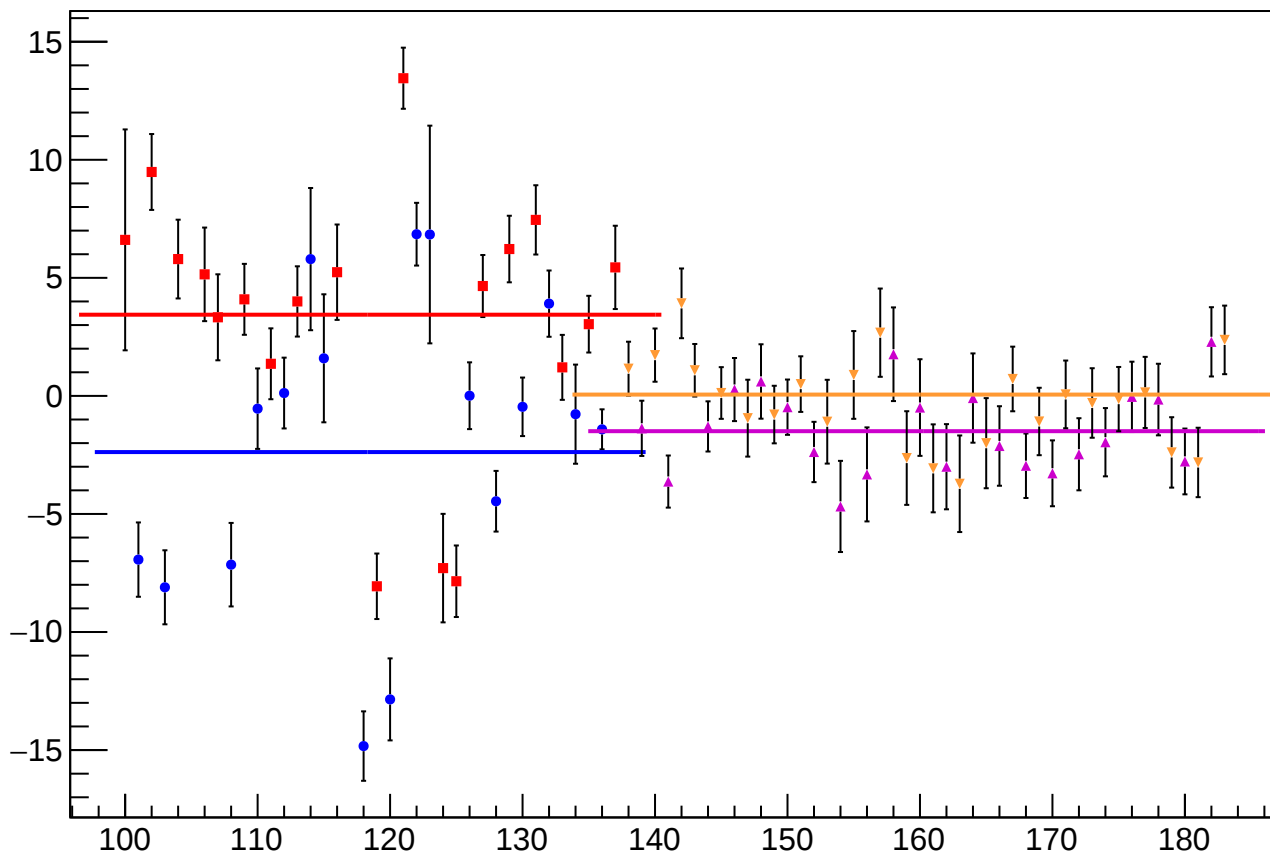
Left In: 6910.753+/-1.195 χ^2/NDF : 324243.3/21

+ sign 7193.277+/-1.034 χ^2/NDF : 913321.3/40

All: 7166.256+/-0.734 χ^2/NDF : 1943745.5/83

- sign 7138.802+/-1.042 χ^2/NDF : 1029046.9/40

diff_bpm0l10Y_mean vs Slug



Right In: -2.379 ± 0.366 χ^2/NDF : 232.6/16

Left Out: 0.056 ± 0.292 χ^2/NDF : 33.7/23

Right Out: 3.439 ± 0.359 χ^2/NDF : 242.7/18

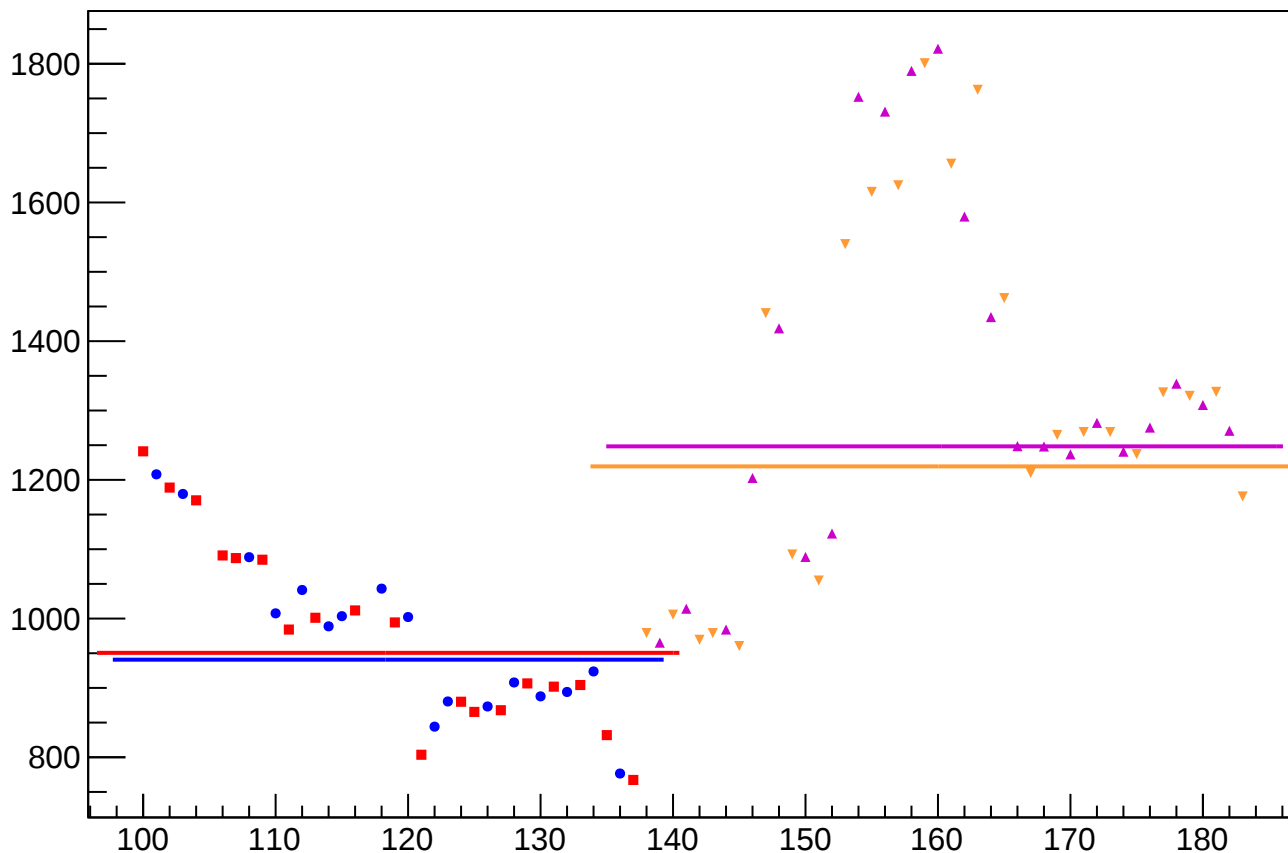
Left In: -1.494 ± 0.308 χ^2/NDF : 29.0/21

+ sign -0.891 ± 0.228 χ^2/NDF : 293.2/40

All: -0.163 ± 0.163 χ^2/NDF : 694.4/81

- sign 0.601 ± 0.234 χ^2/NDF : 380.4/40

diff_bpm0l10Y_rms vs Slug



Right In: 940.732 $\pm$ 0.259 χ^2 /NDF: 241704.7/16

Left Out: 1219.422 $\pm$ 0.207 χ^2 /NDF:1264672.4/23

Right Out: 950.573 $\pm$ 0.254 χ^2 /NDF: 220343.0/18

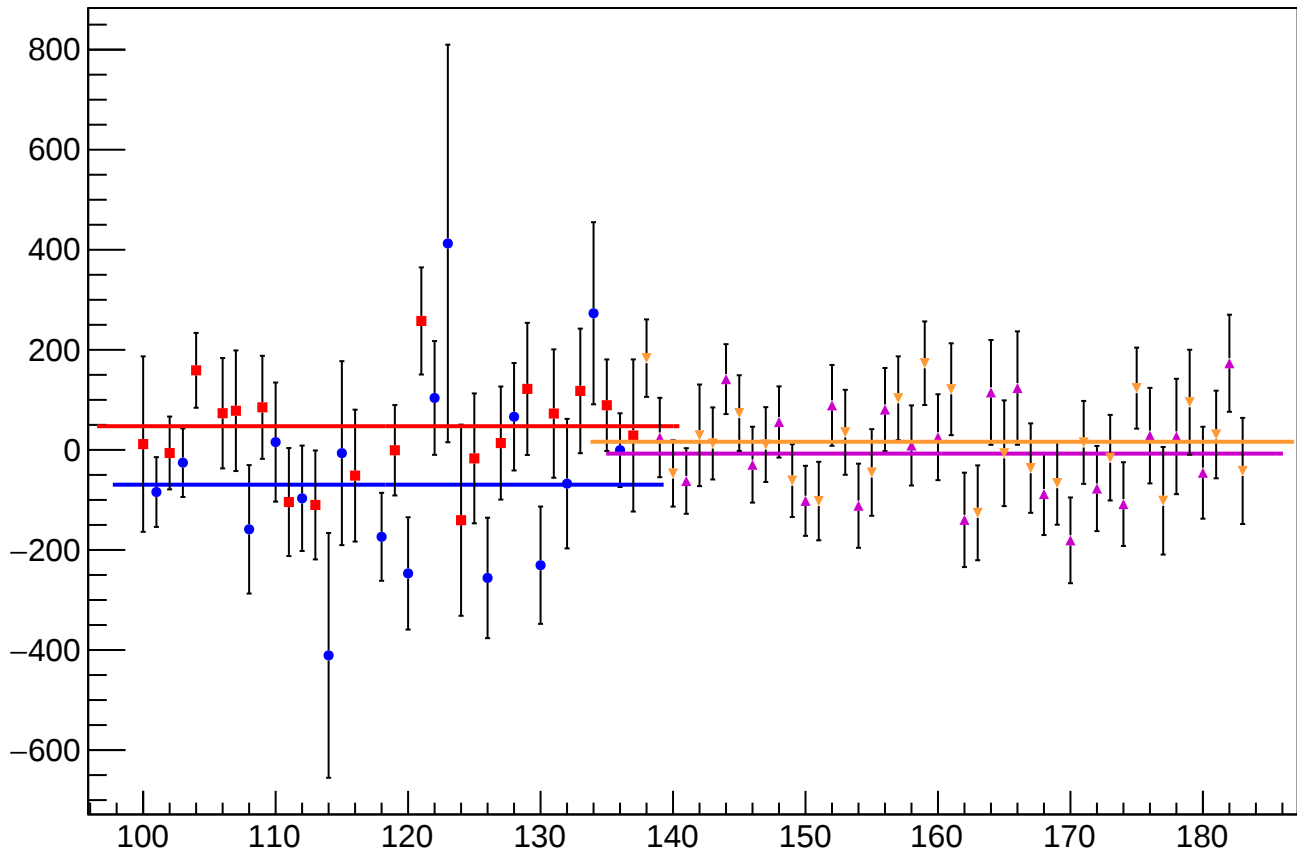
Left In: 1248.320 $\pm$ 0.218 χ^2 /NDF:1072689.4/21

+ sign 1111.022 $\pm$ 0.162 χ^2 /NDF: 2214093.2/40

All: 1116.320 $\pm$ 0.116 χ^2 /NDF: 4301323.2/83

- sign 1121.876 $\pm$ 0.165 χ^2 /NDF: 2085025.3/40

diff_bpm0r03X_mean vs Slug



Right In: -69.559 ± 25.981 χ^2/NDF : 21.6/16

Left Out: 16.233 ± 17.232 χ^2/NDF : 23.7/23

Right Out: 47.342 ± 25.054 χ^2/NDF : 14.0/18

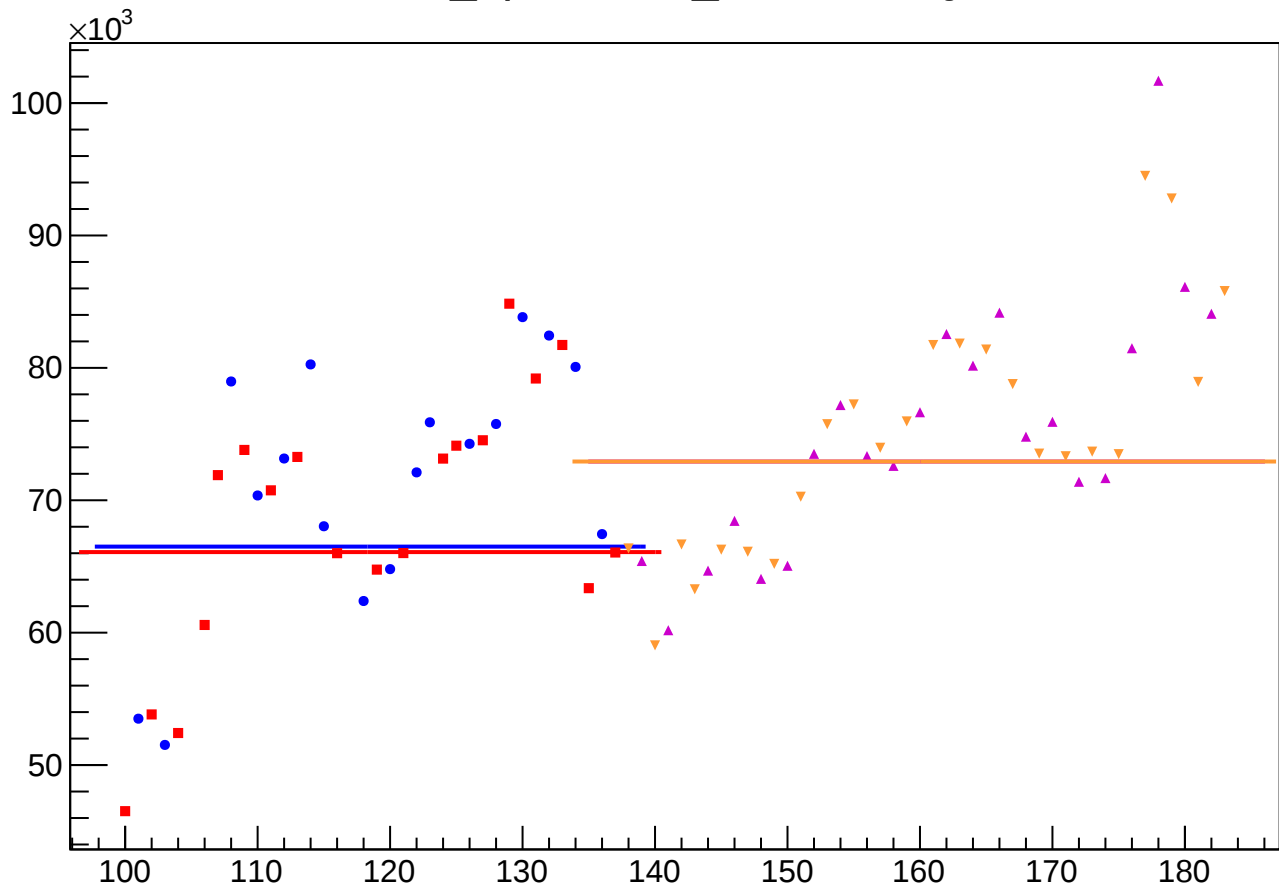
Left In: -7.420 ± 17.790 χ^2/NDF : 28.1/21

+ sign -9.977 ± 14.360 χ^2/NDF : 52.8/40

All: 0.374 ± 10.205 χ^2/NDF : 99.2/81

- sign 10.935 ± 14.505 χ^2/NDF : 45.3/40

diff_bpm0r03X_rms vs Slug



Right In: 66500.038 $\pm$ 18.371 χ^2 /NDF: 320048.0/16

Left Out: 72927.283 $\pm$ 12.185 χ^2 /NDF: 462044.9/23

Right Out: 66086.098 $\pm$ 17.716 χ^2 /NDF: 298277.2/18

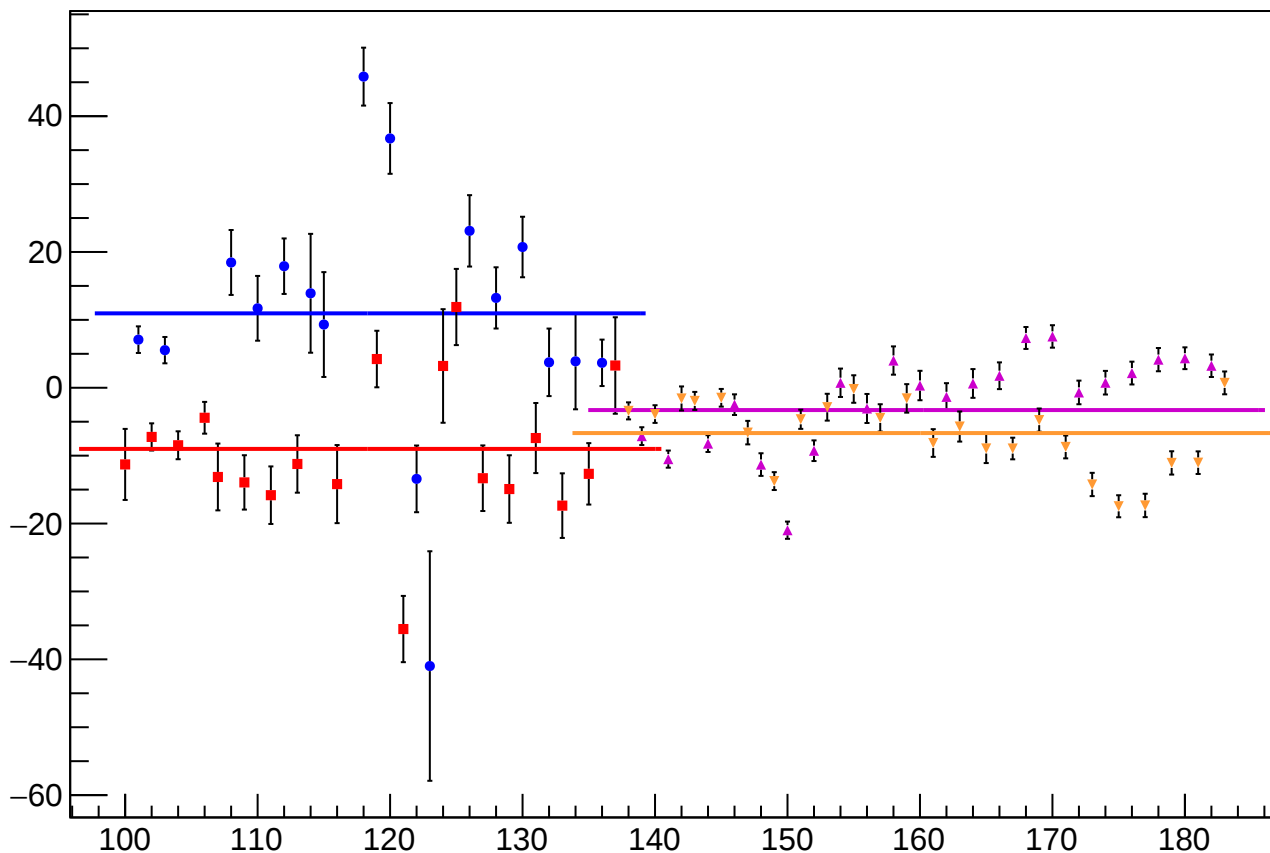
Left In: 72924.562 $\pm$ 12.579 χ^2 /NDF: 456533.6/21

+ sign 70963.752 $\pm$ 10.154 χ^2 /NDF: 867097.6/40

All: 70799.754 $\pm$ 7.216 χ^2 /NDF: 1721495.0/8

- sign 70632.432 $\pm$ 10.257 χ^2 /NDF: 853870.4/40

diff_bpm0r03Y_mean vs Slug



Right In: 10.959 ± 0.944 χ^2/NDF : 160.6/16

Left Out: -6.673 ± 0.334 χ^2/NDF : 241.7/23

Right Out: -9.006 ± 0.867 χ^2/NDF : 75.5/18

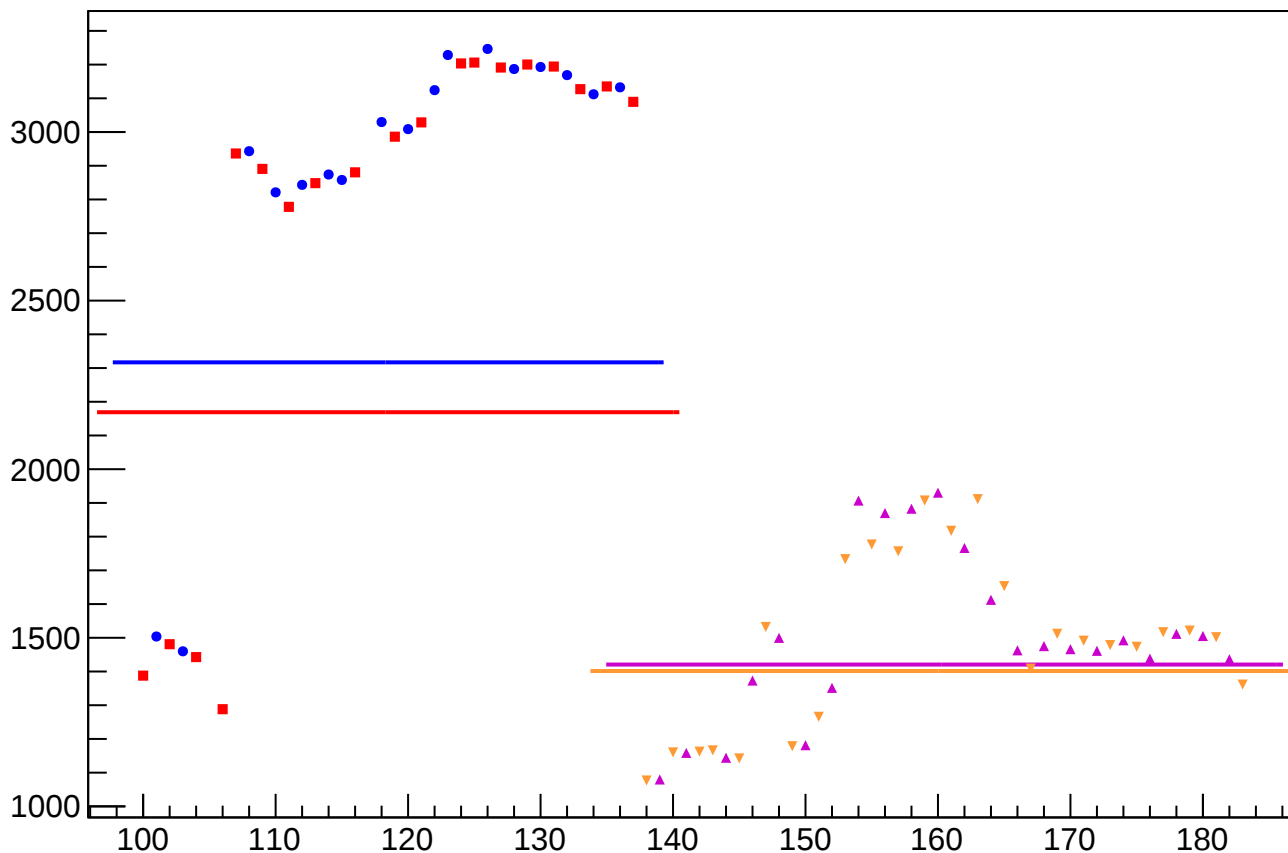
Left In: -3.285 ± 0.350 χ^2/NDF : 481.2/21

+ sign -4.709 ± 0.315 χ^2/NDF : 712.2/40

All: -4.405 ± 0.226 χ^2/NDF : 1308.2/81

- sign -4.085 ± 0.324 χ^2/NDF : 594.1/40

diff_bpm0r03Y_rms vs Slug



Right In: 2316.901 $\pm$ 0.668 χ^2 /NDF: 1405097.4/16

Left Out: 1401.436 $\pm$ 0.236 χ^2 /NDF: 1037160.2/23

Right Out: 2169.038 $\pm$ 0.613 χ^2 /NDF: 1749119.2/18

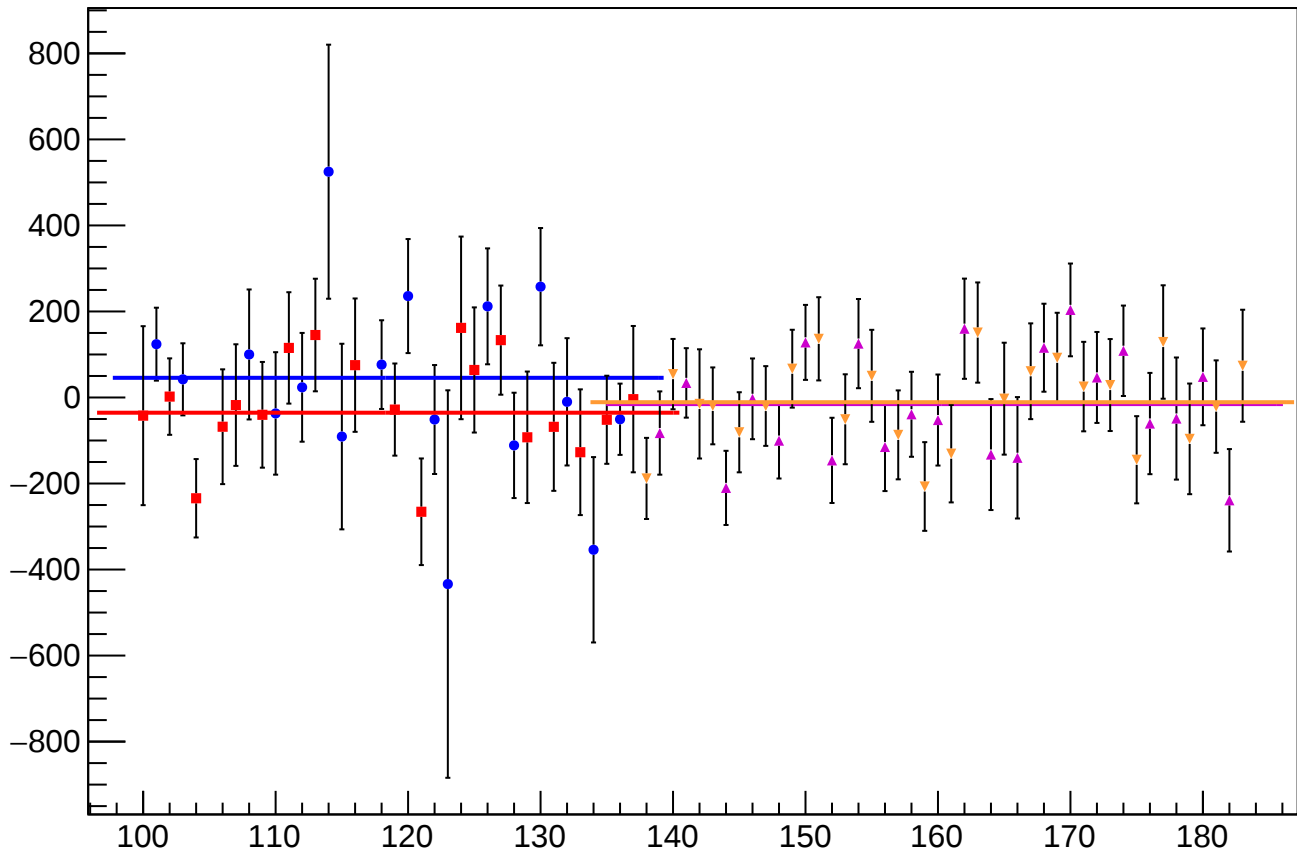
Left In: 1420.629 $\pm$ 0.247 χ^2 /NDF: 905075.4/21

+ sign 1503.431 $\pm$ 0.223 χ^2 /NDF: 4112906.9/40

All: 1514.024 $\pm$ 0.160 χ^2 /NDF: 8053410.1/83

- sign 1525.232 $\pm$ 0.229 χ^2 /NDF: 3935852.9/40

diff_bpm0r05X_mean vs Slug



Right In: 45.747 $\pm$ 30.474 χ^2 /NDF: 18.8/16

Left Out: -10.936 $\pm$ 21.320 χ^2 /NDF: 20.9/23

Right Out: -35.391 $\pm$ 29.480 χ^2 /NDF: 16.0/18

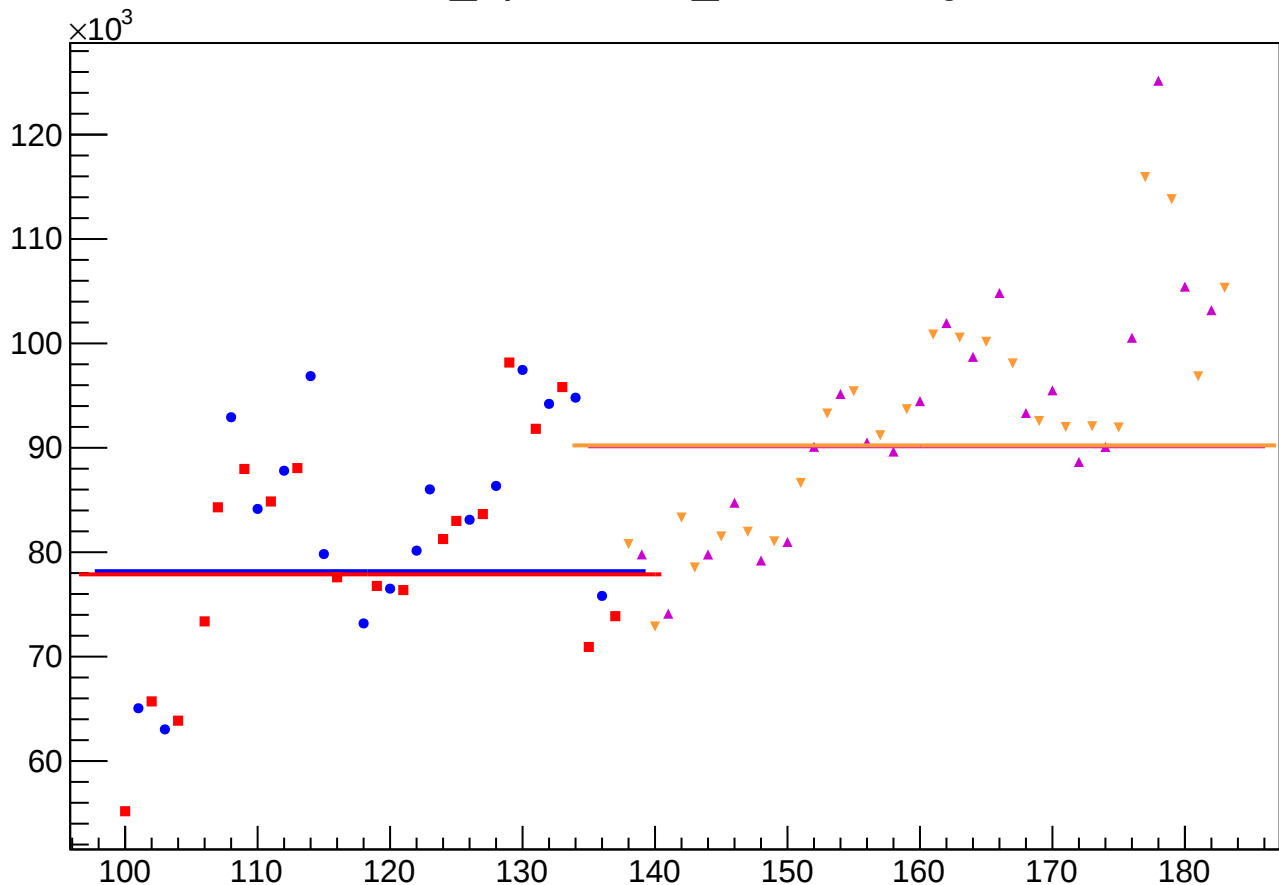
Left In: -15.363 $\pm$ 21.993 χ^2 /NDF: 29.7/21

+ sign 7.691 $\pm$ 17.469 χ^2 /NDF: 42.0/40

All: -7.280 $\pm$ 12.408 χ^2 /NDF: 89.5/81

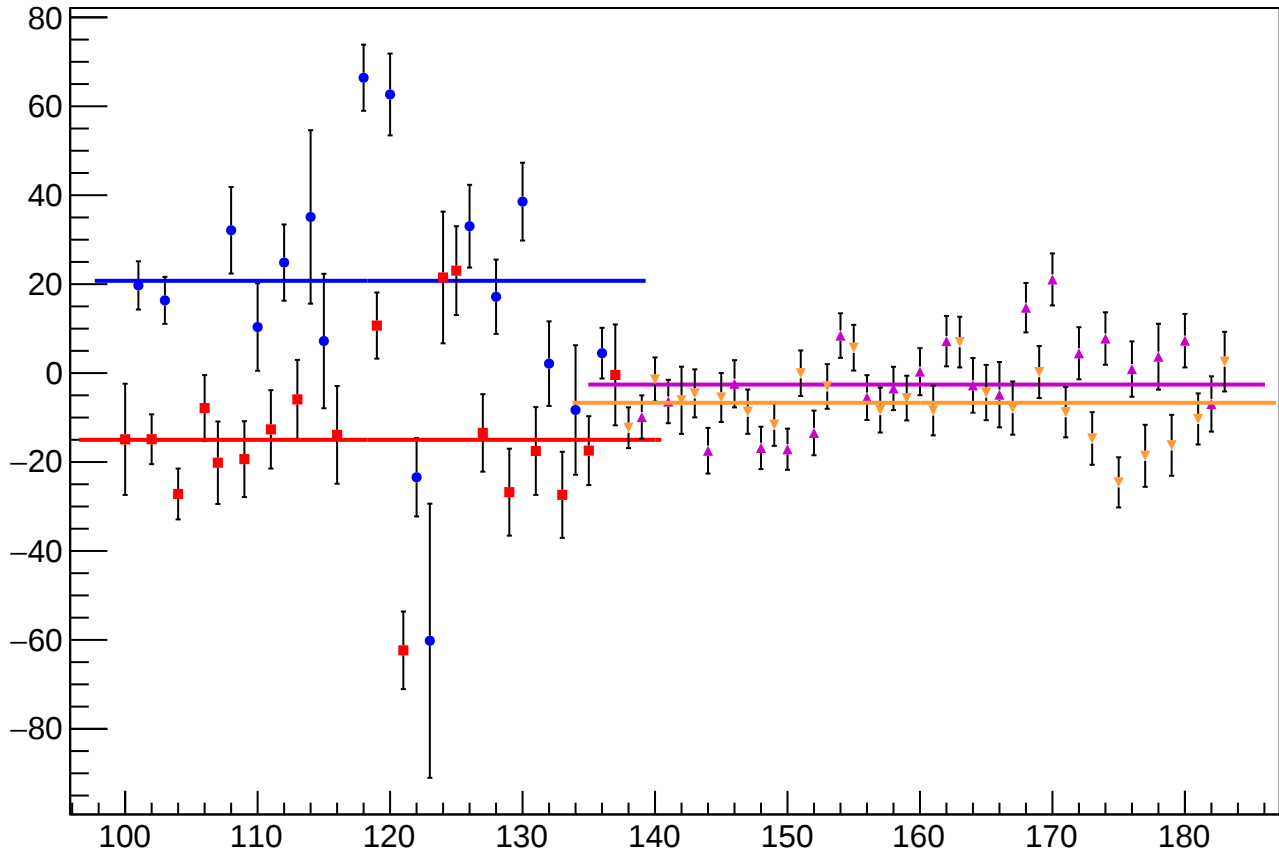
- sign -22.524 $\pm$ 17.628 χ^2 /NDF: 46.0/40

diff_bpm0r05X_rms vs Slug



Right In: 78183.588 $\pm$ 21.548	χ^2 /NDF: 250278.3/16	+ sign 86272.279 $\pm$ 12.352	χ^2 /NDF: 911438.4/40
Left Out: 90231.434 $\pm$ 15.075	χ^2 /NDF: 451279.3/23	All: 86019.553 $\pm$ 8.774	χ^2 /NDF: 1836910.4/8
Right Out: 77880.644 $\pm$ 20.846	χ^2 /NDF: 247268.7/18	- sign 85762.204 $\pm$ 12.465	χ^2 /NDF: 924627.1/40
Left In: 90148.837 $\pm$ 15.552	χ^2 /NDF: 454842.3/21		

diff_bpm0r05Y_mean vs Slug



Right In: 20.754 ± 2.039 χ^2/NDF : 117.4/16

Left Out: -6.673 ± 1.130 χ^2/NDF : 38.8/23

Right Out: -15.004 ± 1.958 χ^2/NDF : 74.0/18

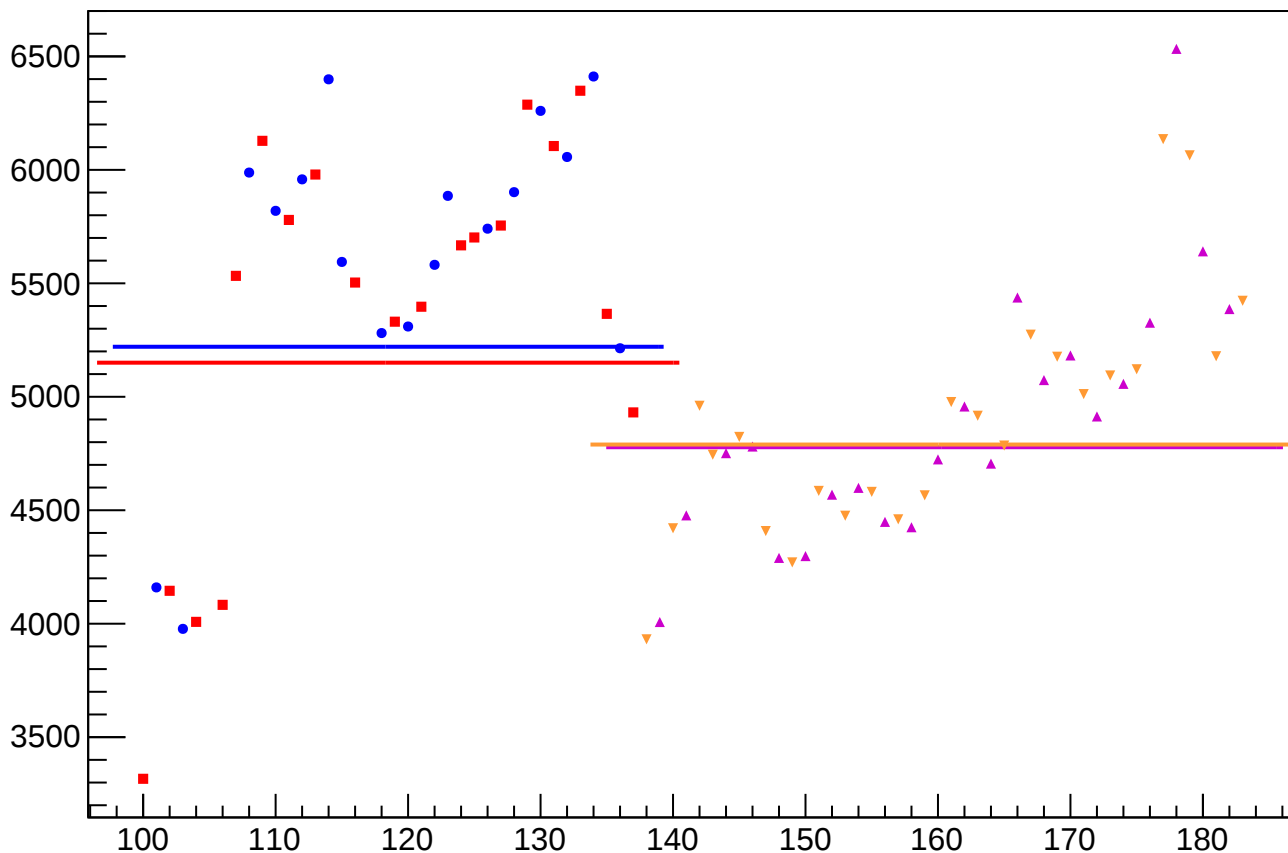
Left In: -2.580 ± 1.164 χ^2/NDF : 78.1/21

+ sign -0.226 ± 0.988 χ^2/NDF : 294.7/40

All: -2.991 ± 0.703 χ^2/NDF : 492.4/81

- sign -5.825 ± 1.000 χ^2/NDF : 181.9/40

diff_bpm0r05Y_rms vs Slug



Right In: 5220.495+/-1.441 χ^2 /NDF: 311533.7/16

Left Out: 4789.537+/-0.799 χ^2 /NDF:355493.3/23

Right Out: 5150.309+/-1.384 χ^2 /NDF: 387575.3/18

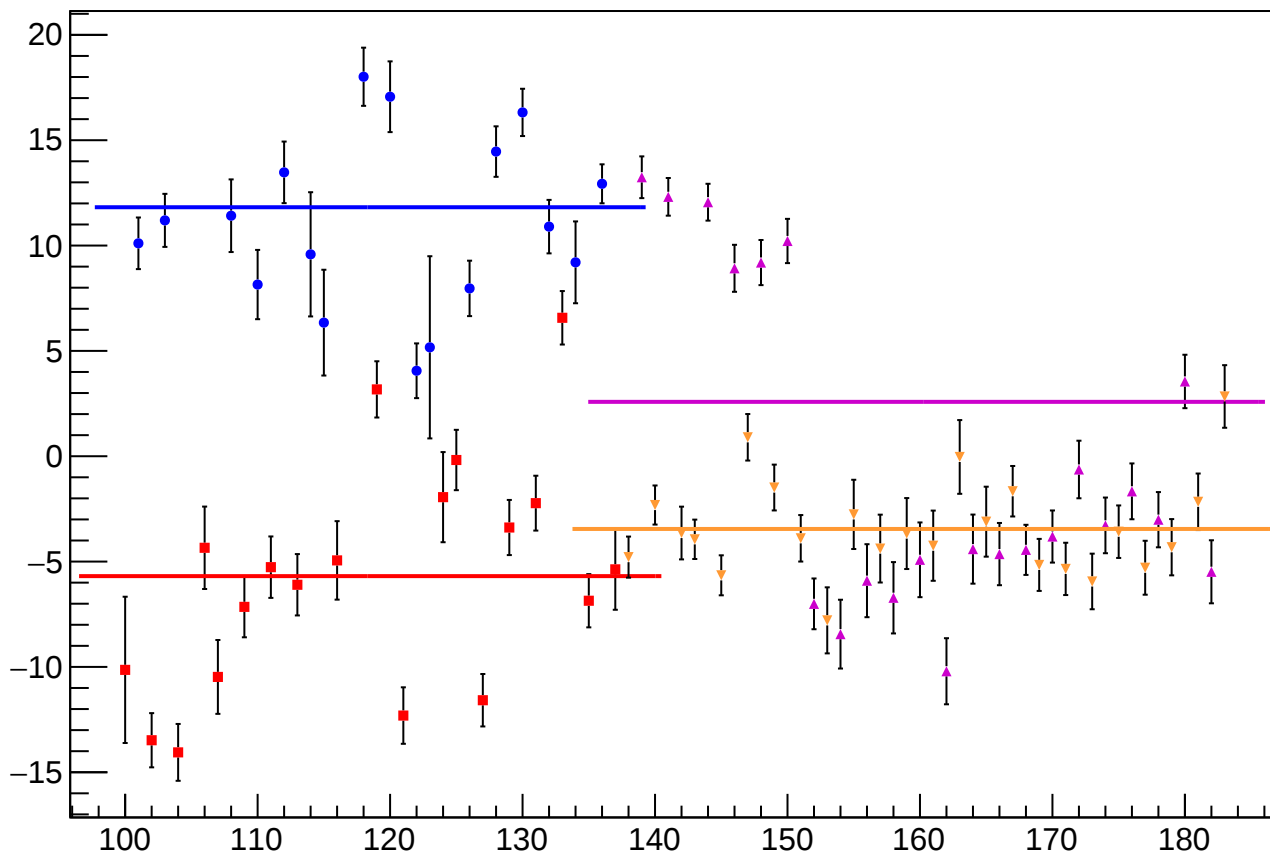
Left In: 4777.730+/-0.823 χ^2 /NDF:352680.7/21

+ sign 4890.831+/-0.699 χ^2 /NDF: 735400.5/40

All: 4883.036+/-0.497 χ^2 /NDF: 1529435.2/83

- sign 4875.047+/-0.707 χ^2 /NDF: 793782.8/40

diff_bpm2i01X_mean vs Slug



Right In: 11.819 ± 0.345 $\chi^2/\text{NDF}: 115.1/16$

Left Out: -3.452 ± 0.254 $\chi^2/\text{NDF}: 71.7/23$

Right Out: -5.691 ± 0.339 $\chi^2/\text{NDF}: 299.2/18$

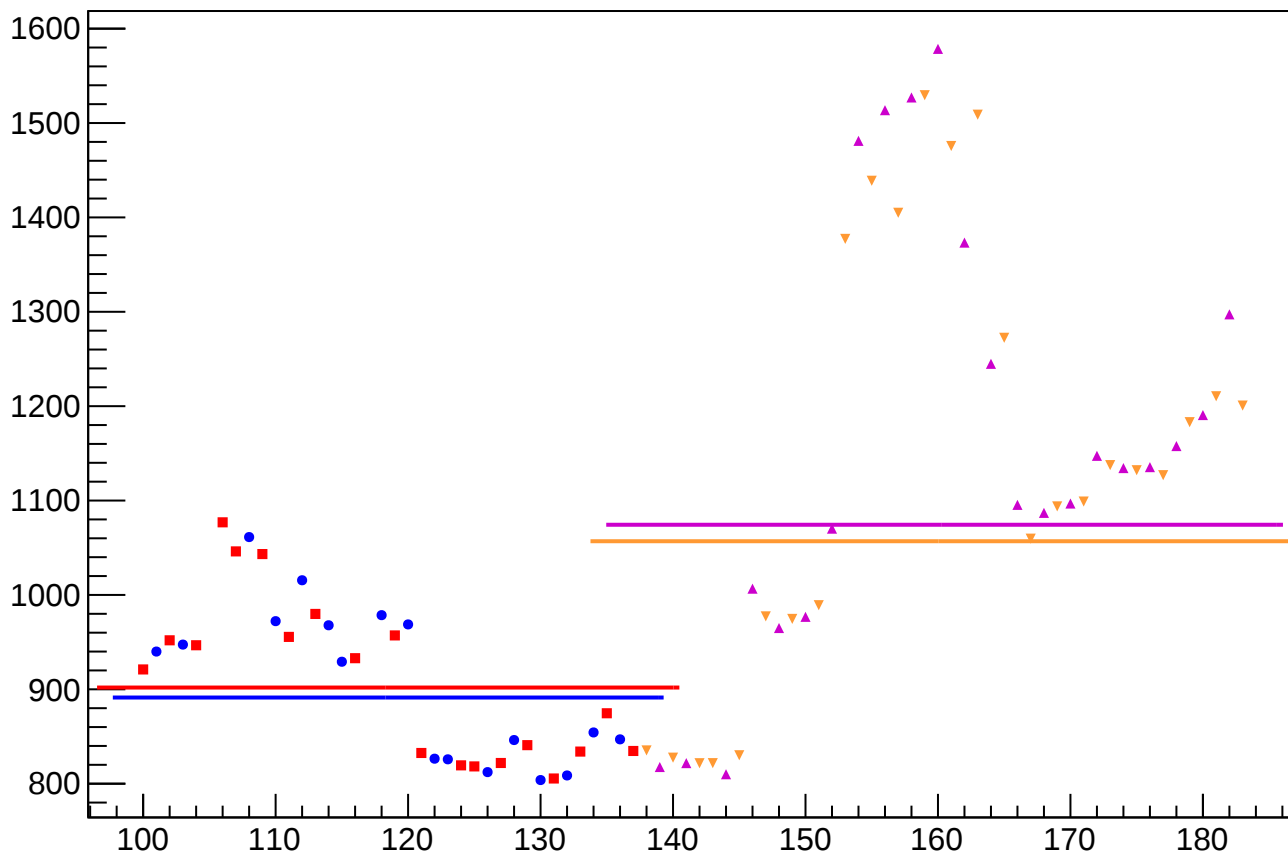
Left In: 2.582 ± 0.266 $\chi^2/\text{NDF}: 909.4/21$

+ sign 1.899 ± 0.204 $\chi^2/\text{NDF}: 1458.2/40$

All: 0.695 ± 0.146 $\chi^2/\text{NDF}: 3106.5/81$

- sign -0.567 ± 0.209 $\chi^2/\text{NDF}: 1577.1/40$

diff_bpm2i01X_rms vs Slug



Right In: 891.299 ± 0.244 χ^2/NDF : 101327.8/16

Left Out: 1056.900 ± 0.179 χ^2/NDF : 1390043.0/23

Right Out: 901.879 ± 0.240 χ^2/NDF : 114242.3/18

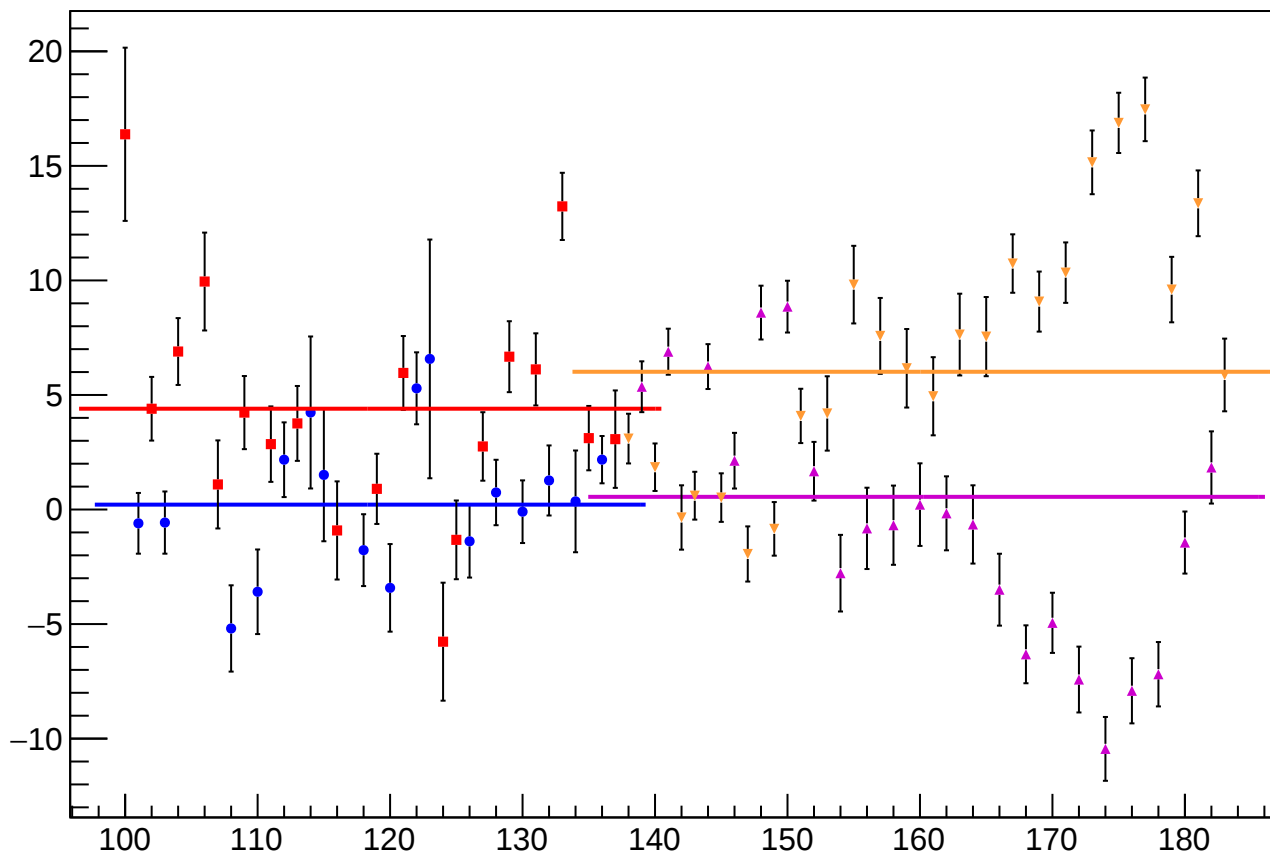
Left In: 1074.350 ± 0.188 χ^2/NDF : 1258473.5/21

+ sign 998.872 ± 0.144 χ^2/NDF : 1790428.4/40

All: 1003.672 ± 0.103 χ^2/NDF : 3485796.3/83

- sign 1008.705 ± 0.148 χ^2/NDF : 1693107.0/40

diff_bpm2i01Y_mean vs Slug



Right In: 0.213 ± 0.396 χ^2/NDF : 38.8/16

Left Out: 6.013 ± 0.273 χ^2/NDF : 429.5/23

Right Out: 4.400 ± 0.387 χ^2/NDF : 104.8/18

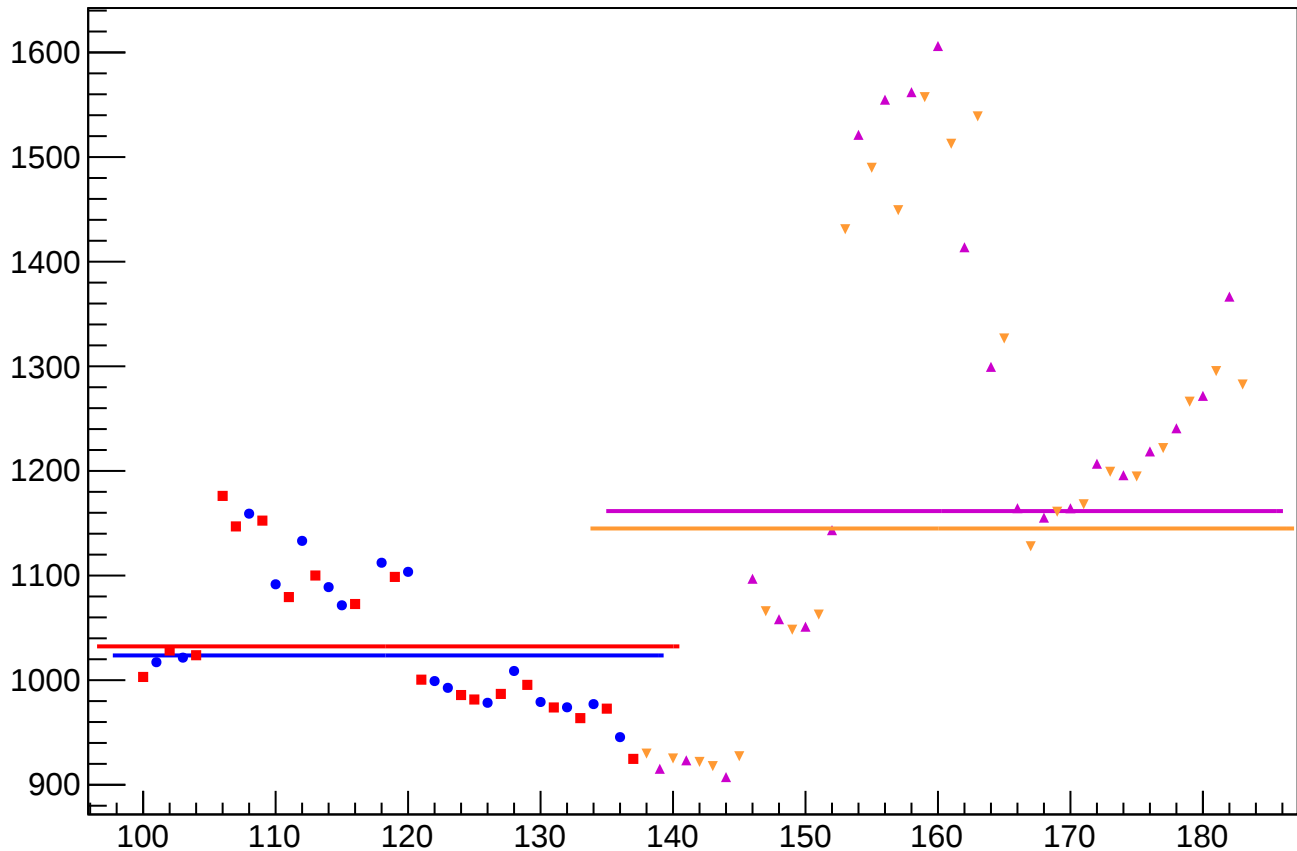
Left In: 0.554 ± 0.286 χ^2/NDF : 416.8/21

+ sign 4.142 ± 0.225 χ^2/NDF : 613.8/40

All: 3.051 ± 0.161 χ^2/NDF : 1247.4/81

- sign 1.909 ± 0.230 χ^2/NDF : 585.4/40

diff_bpm2i01Y_rms vs Slug



Right In: 1023.643 $\pm$ 0.280 χ^2 /NDF: 52282.5/16

Left Out: 1144.985 $\pm$ 0.193 χ^2 /NDF:1035496.0/23

Right Out: 1032.299 $\pm$ 0.274 χ^2 /NDF: 59262.4/18

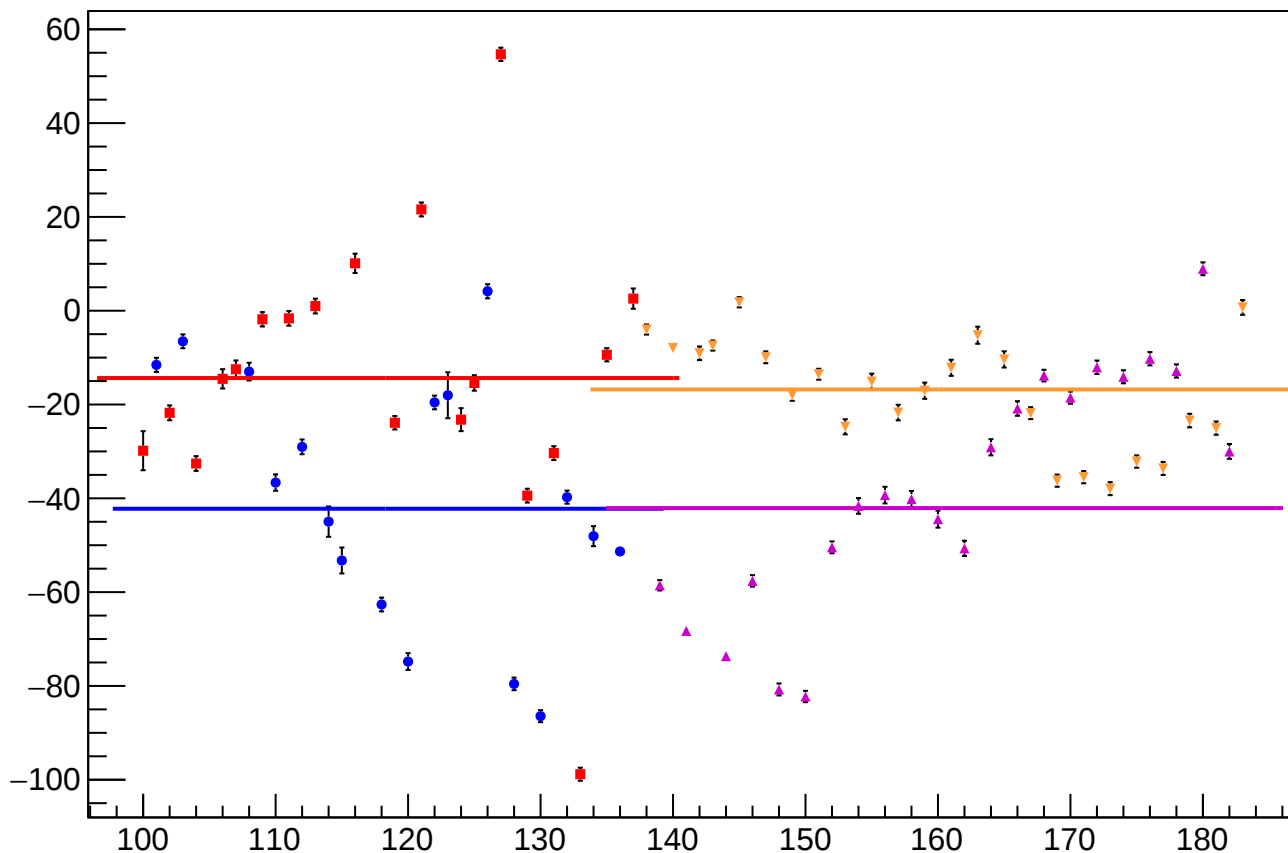
Left In: 1161.622 $\pm$ 0.202 χ^2 /NDF:927639.3/21

+ sign 1105.837 $\pm$ 0.159 χ^2 /NDF: 1215189.3/40

All: 1110.824 $\pm$ 0.114 χ^2 /NDF: 2348415.6/83

- sign 1116.047 $\pm$ 0.163 χ^2 /NDF: 1131210.2/40

diff_bpm2i02X_mean vs Slug



Right In: -42.222 ± 0.388 χ^2/NDF : 5097.2/16

Left Out: -16.790 ± 0.277 χ^2/NDF : 1869.0/23

Right Out: -14.353 ± 0.379 χ^2/NDF : 7667.7/18

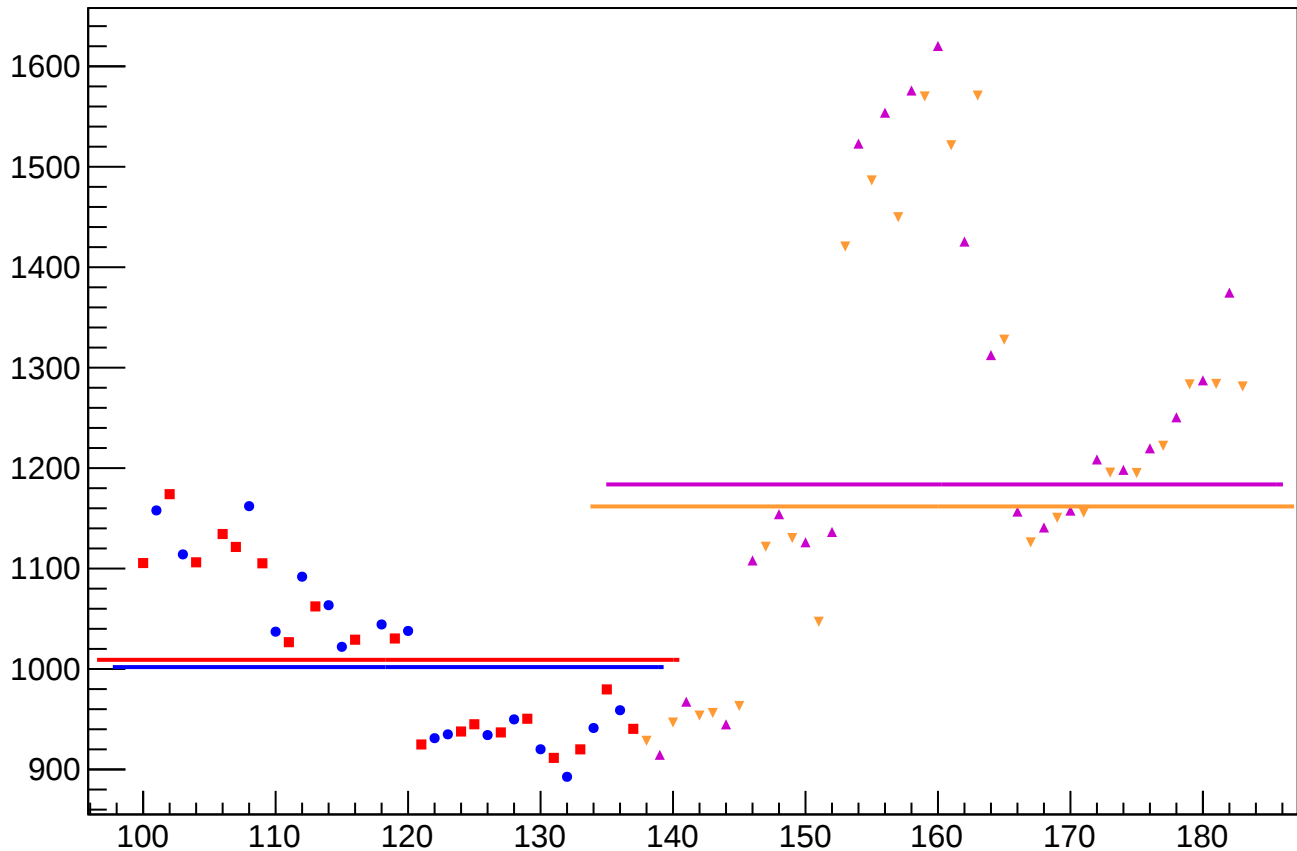
Left In: -42.079 ± 0.291 χ^2/NDF : 8332.3/21

+ sign -25.368 ± 0.225 χ^2/NDF : 9815.2/40

All: -28.511 ± 0.161 χ^2/NDF : 29580.2/81

- sign -31.809 ± 0.231 χ^2/NDF : 19366.0/40

diff_bpm2i02X_rms vs Slug



Right In: 1001.897 ± 0.274 χ^2/NDF : 95203.3/16

Left Out: 1161.833 ± 0.196 χ^2/NDF : 927447.1/23

Right Out: 1009.139 ± 0.268 χ^2/NDF : 95040.9/18

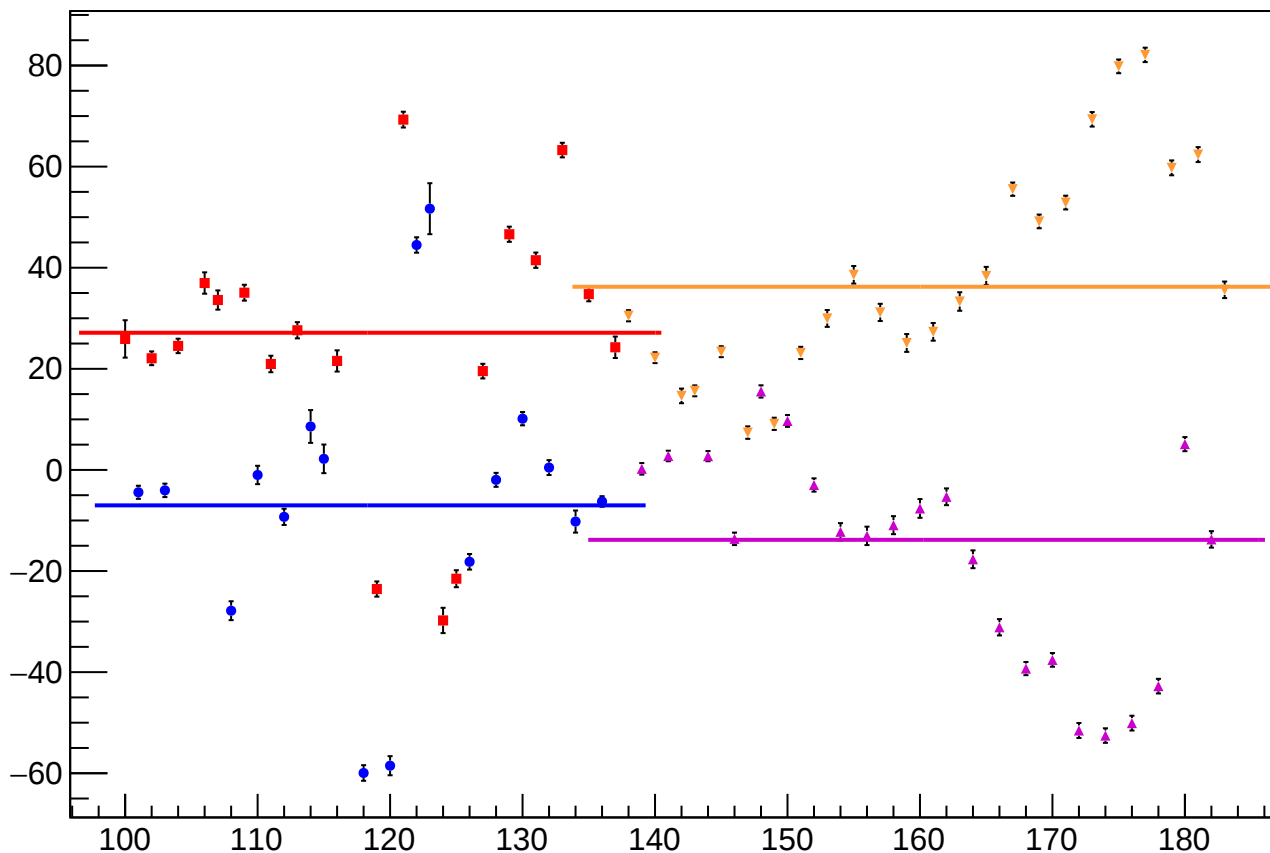
Left In: 1183.759 ± 0.206 χ^2/NDF : 818861.8/21

+ sign 1107.890 ± 0.159 χ^2/NDF : 1248003.1/40

All: 1113.351 ± 0.114 χ^2/NDF : 2431347.7/81

- sign 1119.082 ± 0.163 χ^2/NDF : 1180935.6/40

diff_bpm2i02Y_mean vs Slug



Right In: -7.011 ± 0.389 χ^2/NDF : 3634.7/16

Left Out: 36.236 ± 0.281 χ^2/NDF : 5794.2/23

Right Out: 27.137 ± 0.380 χ^2/NDF : 4257.1/18

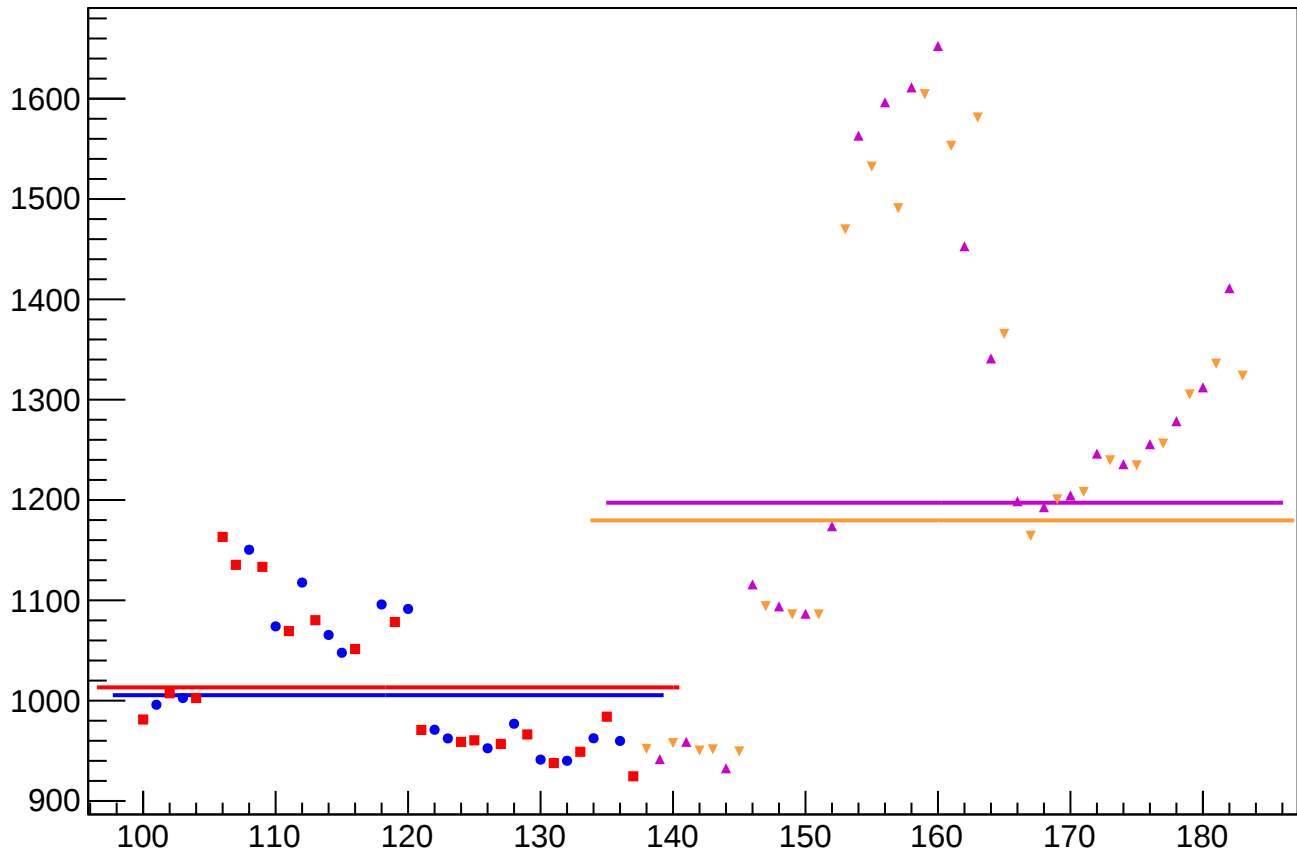
Left In: -13.827 ± 0.295 χ^2/NDF : 5143.6/21

+ sign 21.369 ± 0.228 χ^2/NDF : 17554.1/40

All: 11.665 ± 0.163 χ^2/NDF : 37914.9/81

- sign 1.532 ± 0.233 χ^2/NDF : 16653.6/40

diff_bpm2i02Y_rms vs Slug



Right In: 1005.453 $\pm$ 0.275 χ^2 /NDF: 54493.5/16

Left Out: 1179.659 $\pm$ 0.199 χ^2 /NDF:1032779.6/23

Right Out: 1013.228 $\pm$ 0.269 χ^2 /NDF: 63189.9/18

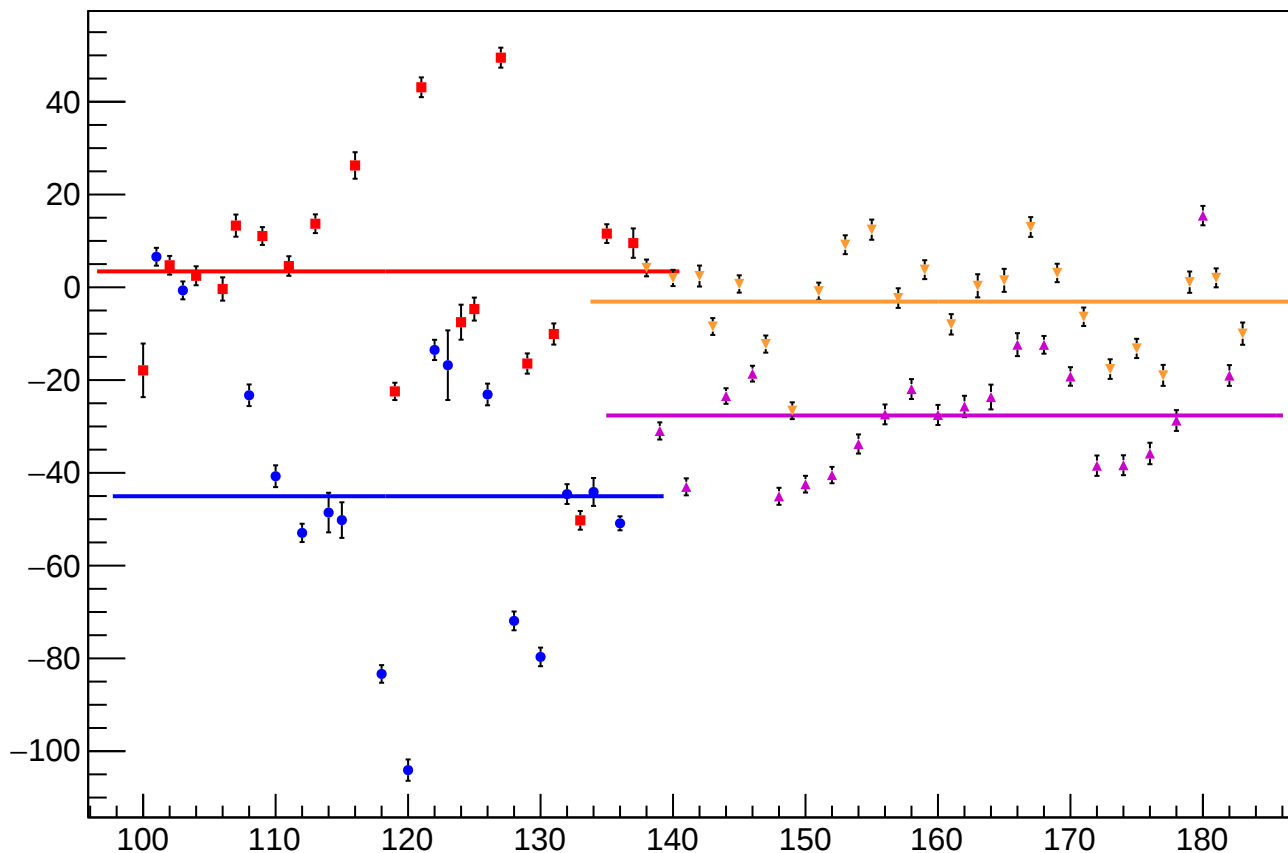
Left In: 1197.295 $\pm$ 0.208 χ^2 /NDF:921640.7/21

+ sign 1119.772 $\pm$ 0.161 χ^2 /NDF: 1350957.7/40

All: 1123.935 $\pm$ 0.115 χ^2 /NDF: 2630037.3/83

- sign 1128.281 $\pm$ 0.165 χ^2 /NDF: 1277715.2/40

diff_bpm0i02X_mean vs Slug



Right In: -45.043 $\pm$ 0.541 χ^2 /NDF: 3223.5/16

Left Out: -3.084 $\pm$ 0.418 χ^2 /NDF: 554.5/23

Right Out: 3.429 $\pm$ 0.523 χ^2 /NDF: 2001.9/18

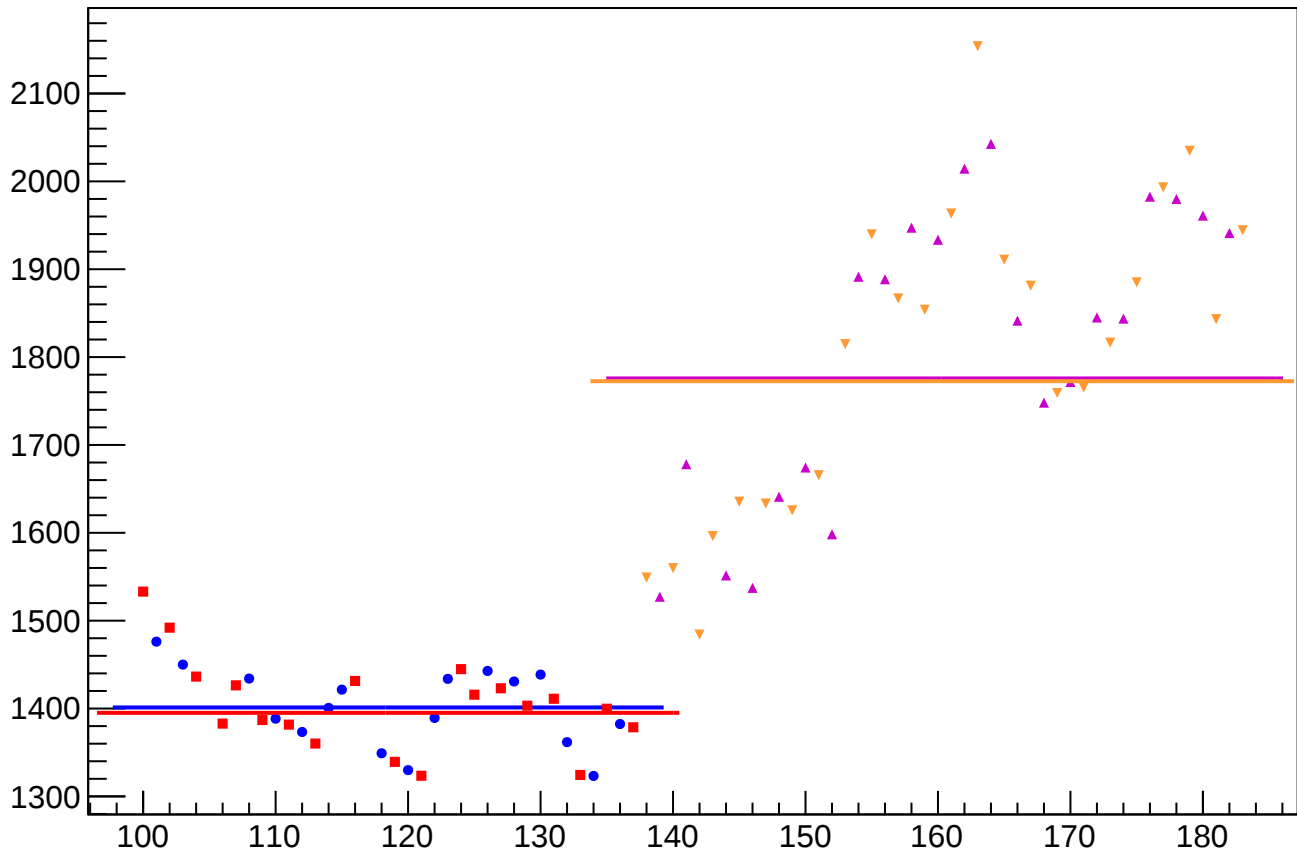
Left In: -27.632 $\pm$ 0.432 χ^2 /NDF: 959.2/21

+ sign -18.764 $\pm$ 0.330 χ^2 /NDF: 7550.8/40

All: -16.907 $\pm$ 0.235 χ^2 /NDF: 12673.4/81

- sign -15.022 $\pm$ 0.333 χ^2 /NDF: 5059.0/40

diff_bpm0i02X_rms vs Slug



Right In: 1401.235+/-0.382 χ^2/NDF : 12839.4/16

Left Out: 1772.581+/-0.295 χ^2/NDF : 311197.7/23

Right Out: 1395.100+/-0.370 χ^2/NDF : 15523.2/18

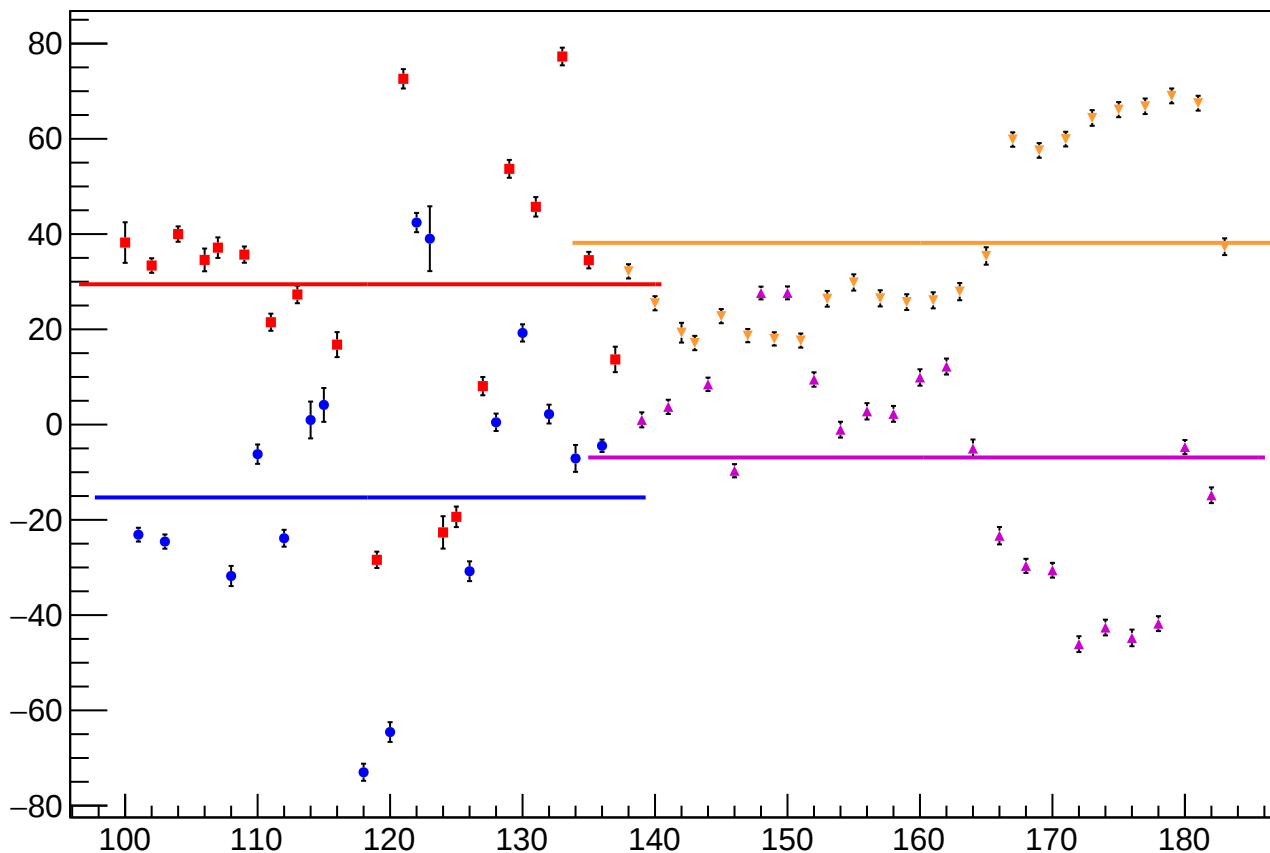
Left In: 1775.697+/-0.306 χ^2/NDF : 295889.6/21

+ sign 1633.809+/-0.234 χ^2/NDF : 915051.8/40

All: 1627.546+/-0.166 χ^2/NDF : 1857869.5/83

- sign 1621.187+/-0.235 χ^2/NDF : 941370.0/40

diff_bpm0i02Y_mean vs Slug



Right In: -15.296 ± 0.473 χ^2/NDF : 3345.6/16

Left Out: 38.161 ± 0.325 χ^2/NDF : 3512.6/23

Right Out: 29.461 ± 0.457 χ^2/NDF : 3528.0/18

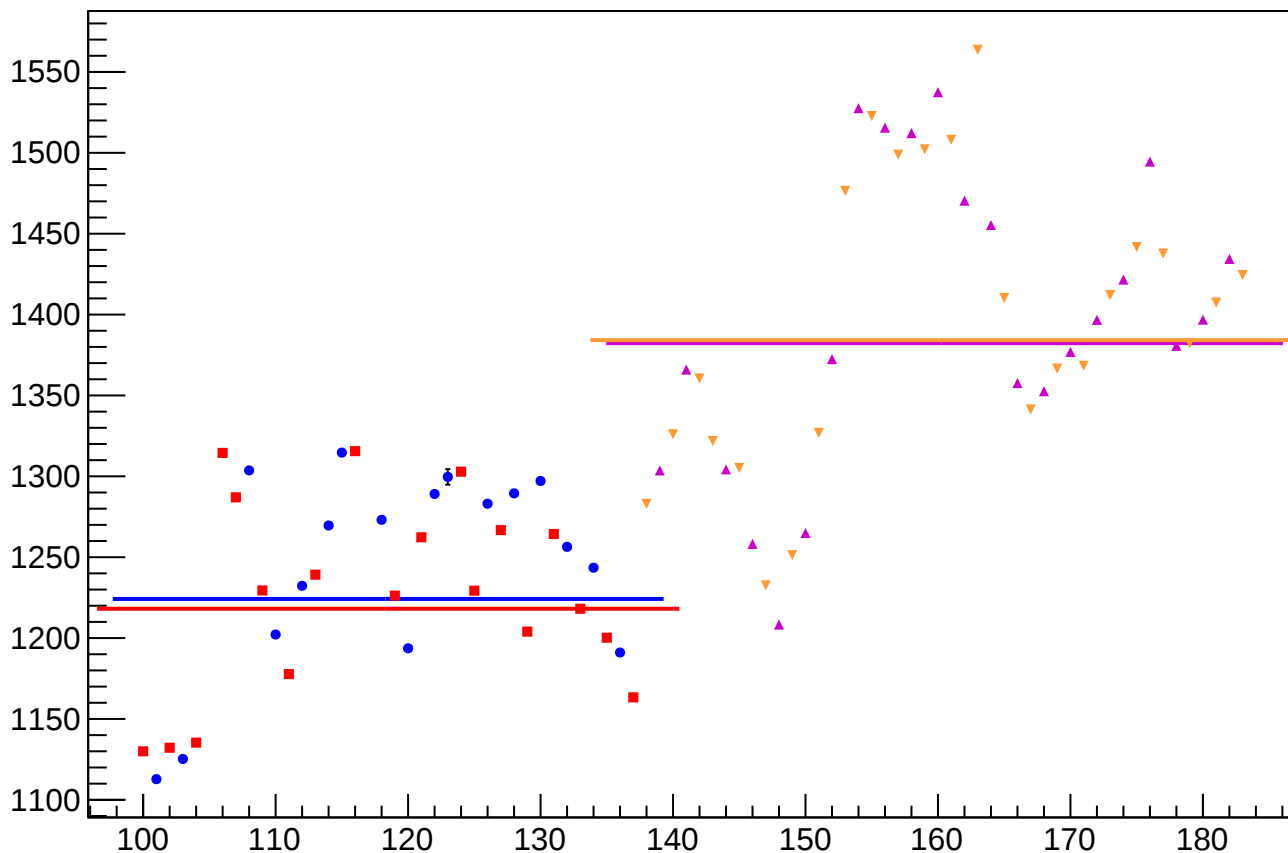
Left In: -6.907 ± 0.335 χ^2/NDF : 4488.6/21

+ sign 20.985 ± 0.268 χ^2/NDF : 15530.5/40

All: 13.475 ± 0.190 χ^2/NDF : 29247.6/81

- sign 5.832 ± 0.270 χ^2/NDF : 12133.2/40

diff_bpm0i02Y_rms vs Slug



Right In: 1224.212 $\pm$ 0.334 χ^2 /NDF: 38774.7/16

Left Out: 1384.199 $\pm$ 0.230 χ^2 /NDF: 144850.3/23

Right Out: 1218.154 $\pm$ 0.323 χ^2 /NDF: 27562.5/18

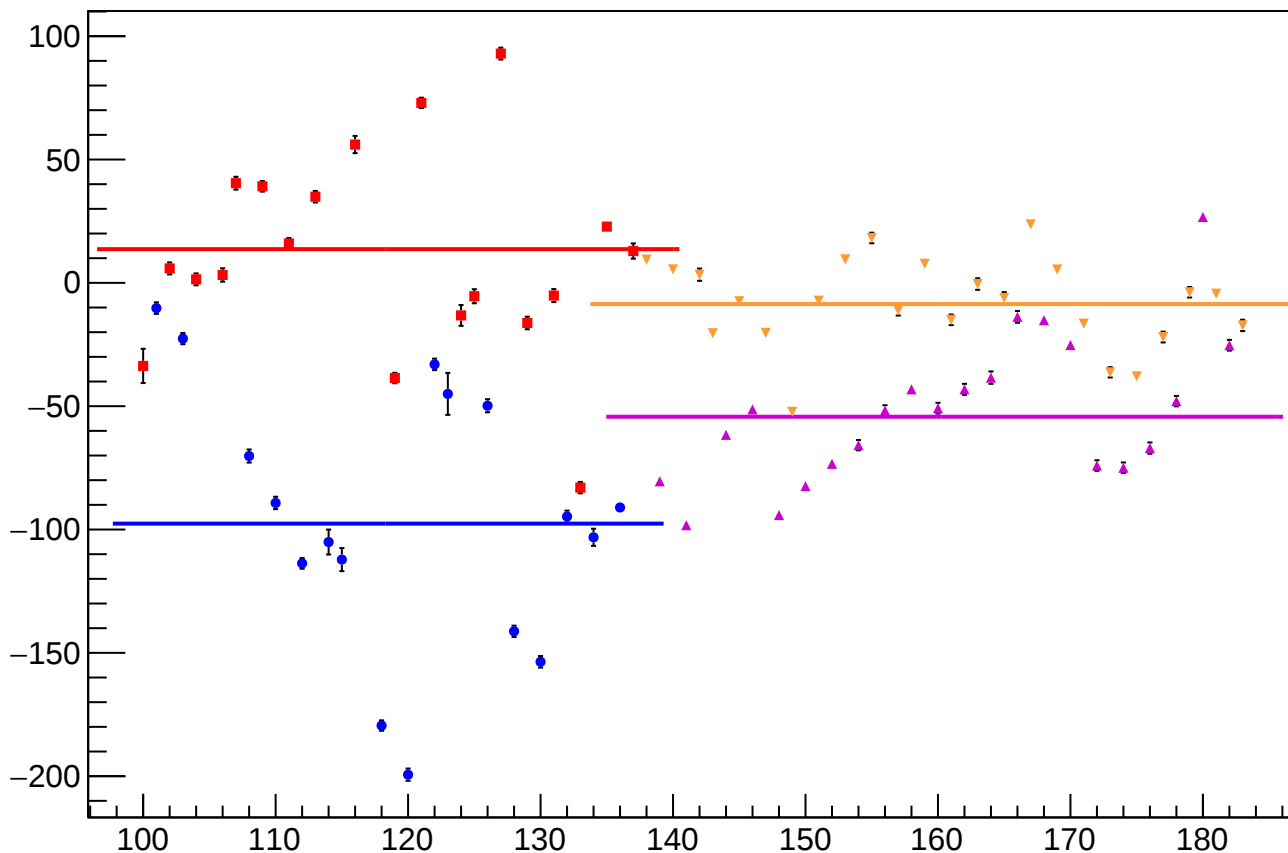
Left In: 1382.349 $\pm$ 0.237 χ^2 /NDF: 152942.2/21

+ sign 1332.796 $\pm$ 0.190 χ^2 /NDF: 338985.5/40

All: 1328.851 $\pm$ 0.135 χ^2 /NDF: 688182.8/81

- sign 1324.836 $\pm$ 0.191 χ^2 /NDF: 348323.2/40

diff_bpm0i02aX_mean vs Slug



Right In: -97.610 ± 0.602 χ^2/NDF : 7919.3/16

Left Out: -8.590 ± 0.413 χ^2/NDF : 1930.4/23

Right Out: 13.666 ± 0.580 χ^2/NDF : 5116.2/18

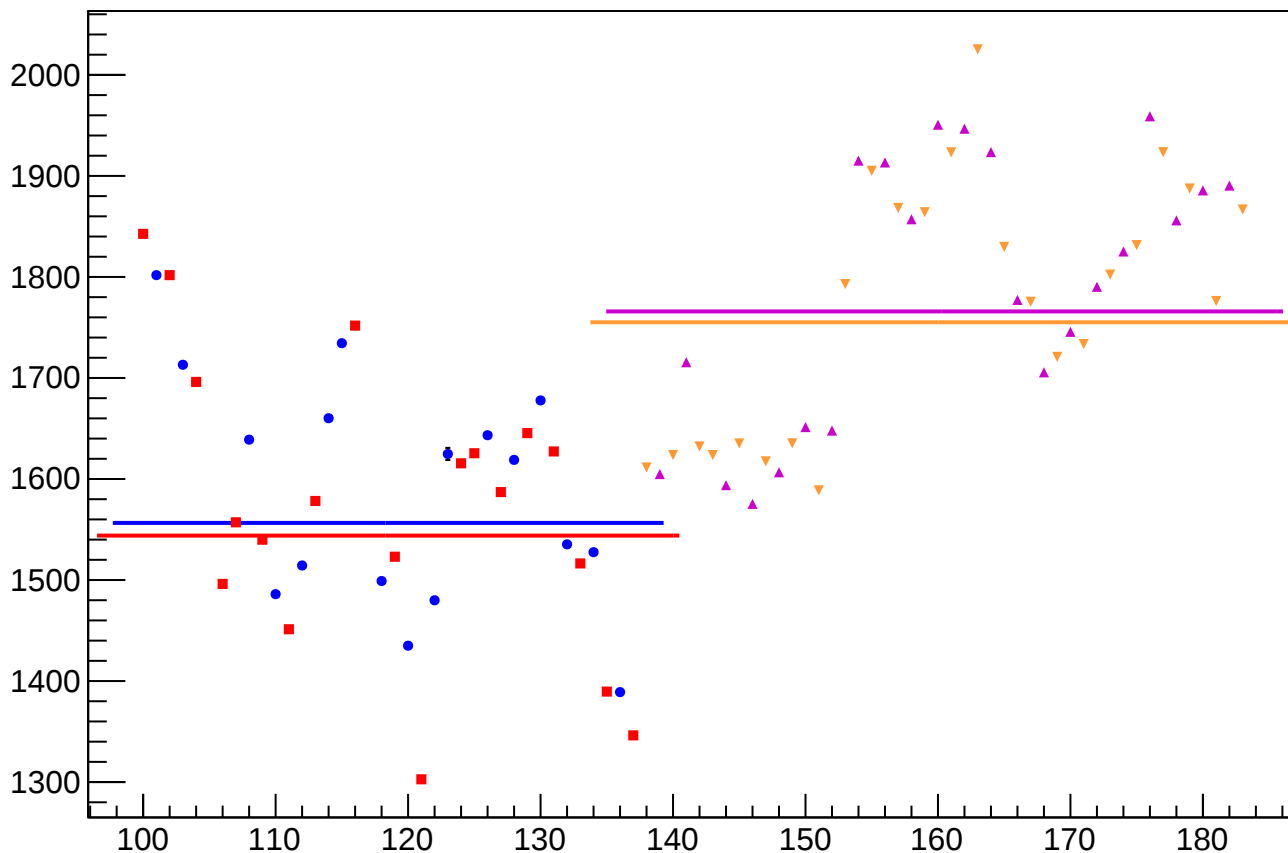
Left In: -54.276 ± 0.429 χ^2/NDF : 4708.7/21

+ sign -37.044 ± 0.341 χ^2/NDF : 24713.6/40

All: -33.705 ± 0.242 χ^2/NDF : 43599.3/81

- sign -30.280 ± 0.345 χ^2/NDF : 18690.9/40

diff_bpm0i02aX_rms vs Slug



Right In: 1556.539 $\pm$ 0.426 χ^2 /NDF: 81438.3/16

Left Out: 1755.128 $\pm$ 0.292 χ^2 /NDF:174990.0/23

Right Out: 1543.993 $\pm$ 0.410 χ^2 /NDF: 100599.9/18

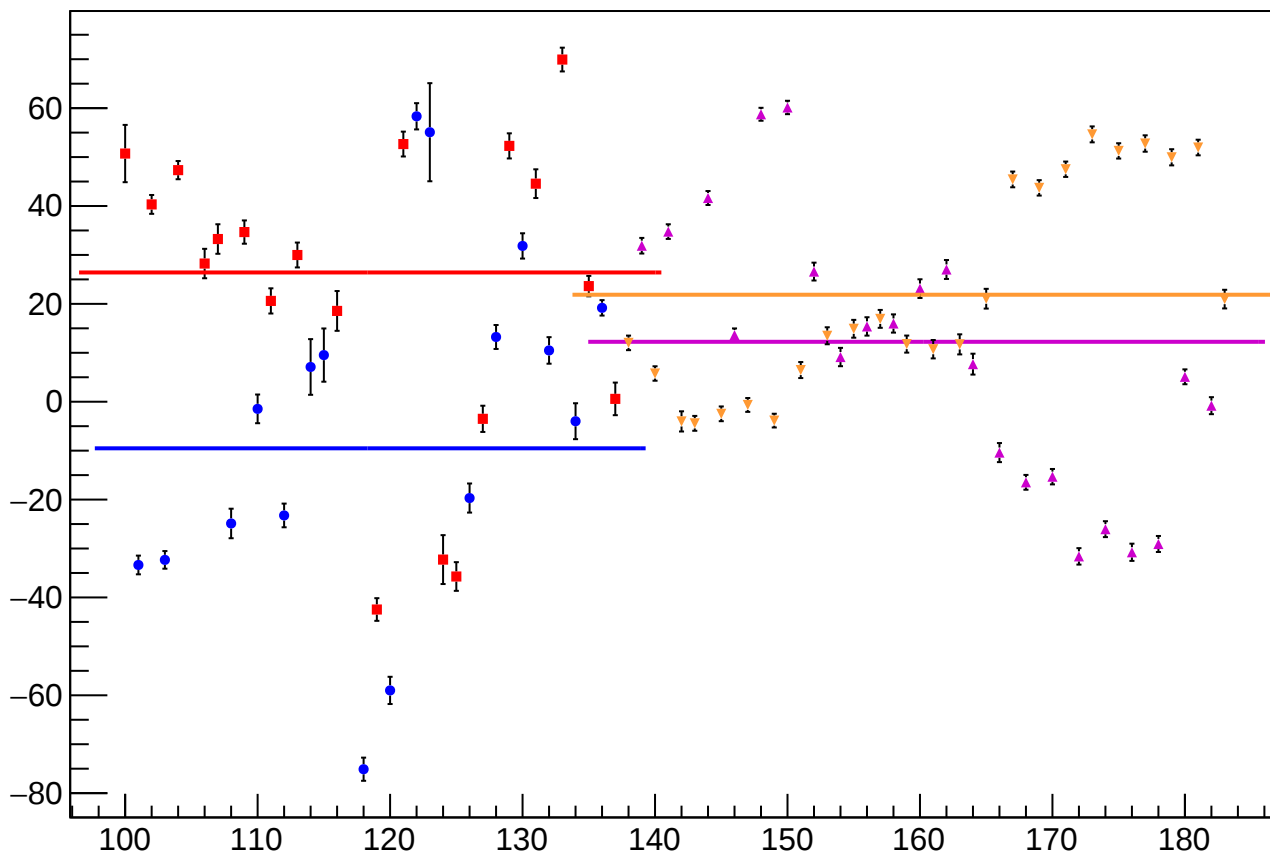
Left In: 1765.868 $\pm$ 0.303 χ^2 /NDF:186213.9/21

+ sign 1691.652 $\pm$ 0.241 χ^2 /NDF: 404371.3/40

All: 1689.605 $\pm$ 0.171 χ^2 /NDF: 880430.5/81

- sign 1687.505 $\pm$ 0.244 χ^2 /NDF: 475912.7/40

diff_bpm0i02aY_mean vs Slug



Right In: -9.523 ± 0.627 χ^2/NDF : 2908.8/16

Left Out: 21.867 ± 0.337 χ^2/NDF : 4110.4/23

Right Out: 26.417 ± 0.604 χ^2/NDF : 2451.3/18

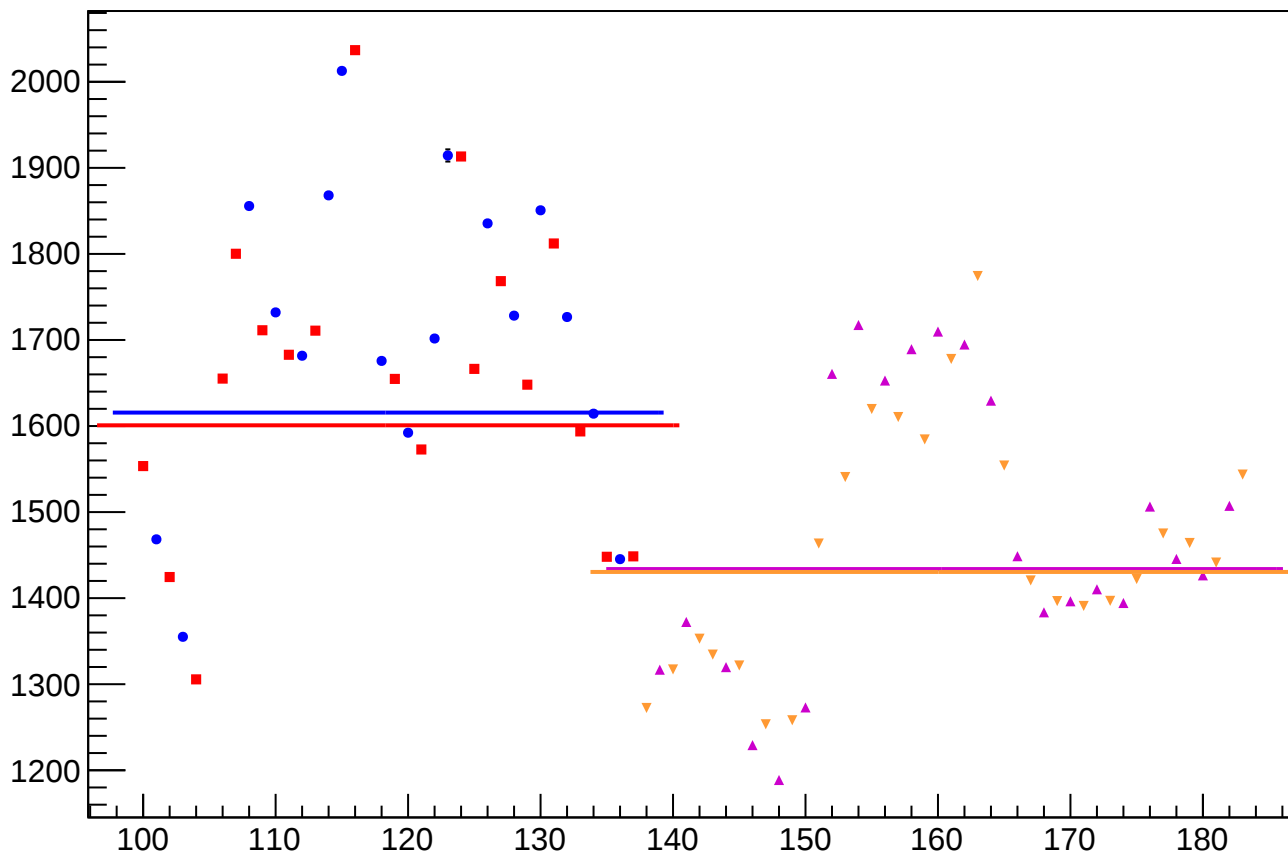
Left In: 12.246 ± 0.350 χ^2/NDF : 6781.6/21

+ sign 14.830 ± 0.297 χ^2/NDF : 8961.5/40

All: 15.308 ± 0.212 χ^2/NDF : 18612.4/81

- sign 15.804 ± 0.302 χ^2/NDF : 9645.6/40

diff_bpm0i02aY_rms vs Slug



Right In: 1615.627 $\pm$ 0.444 χ^2 /NDF: 149190.0/16

Left Out: 1430.450 $\pm$ 0.238 χ^2 /NDF: 293312.1/23

Right Out: 1600.836 $\pm$ 0.427 χ^2 /NDF: 153528.6/18

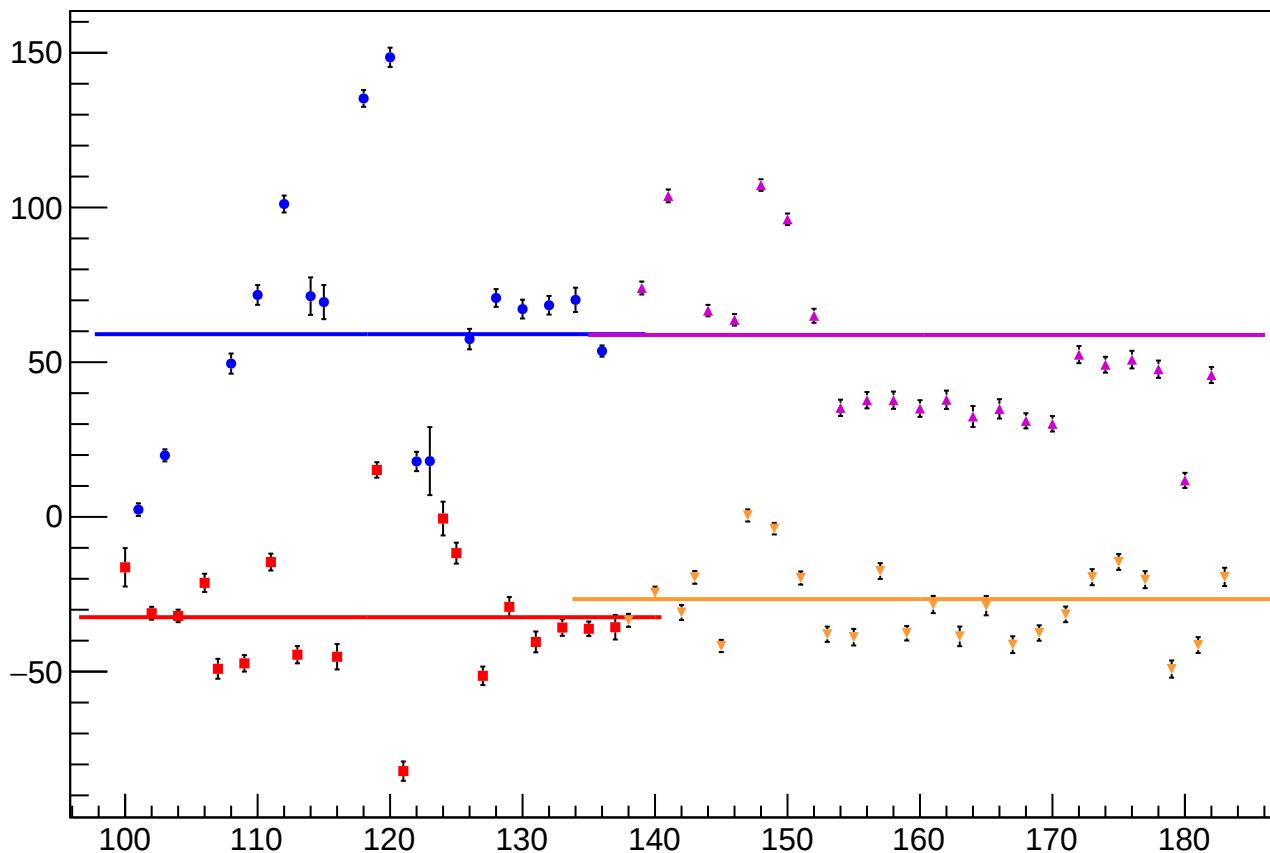
Left In: 1433.790 $\pm$ 0.247 χ^2 /NDF: 416822.9/21

+ sign 1471.959 $\pm$ 0.210 χ^2 /NDF: 577686.3/40

All: 1473.809 $\pm$ 0.150 χ^2 /NDF: 1262888.0/83

- sign 1475.727 $\pm$ 0.214 χ^2 /NDF: 685043.7/40

diff_bpm0i05X_mean vs Slug



Right In: 59.057 $\pm$ 0.700 χ^2 /NDF: 3293.2/16

Left Out: -26.569 $\pm$ 0.490 χ^2 /NDF: 717.4/23

Right Out: -32.417 $\pm$ 0.667 χ^2 /NDF: 888.1/18

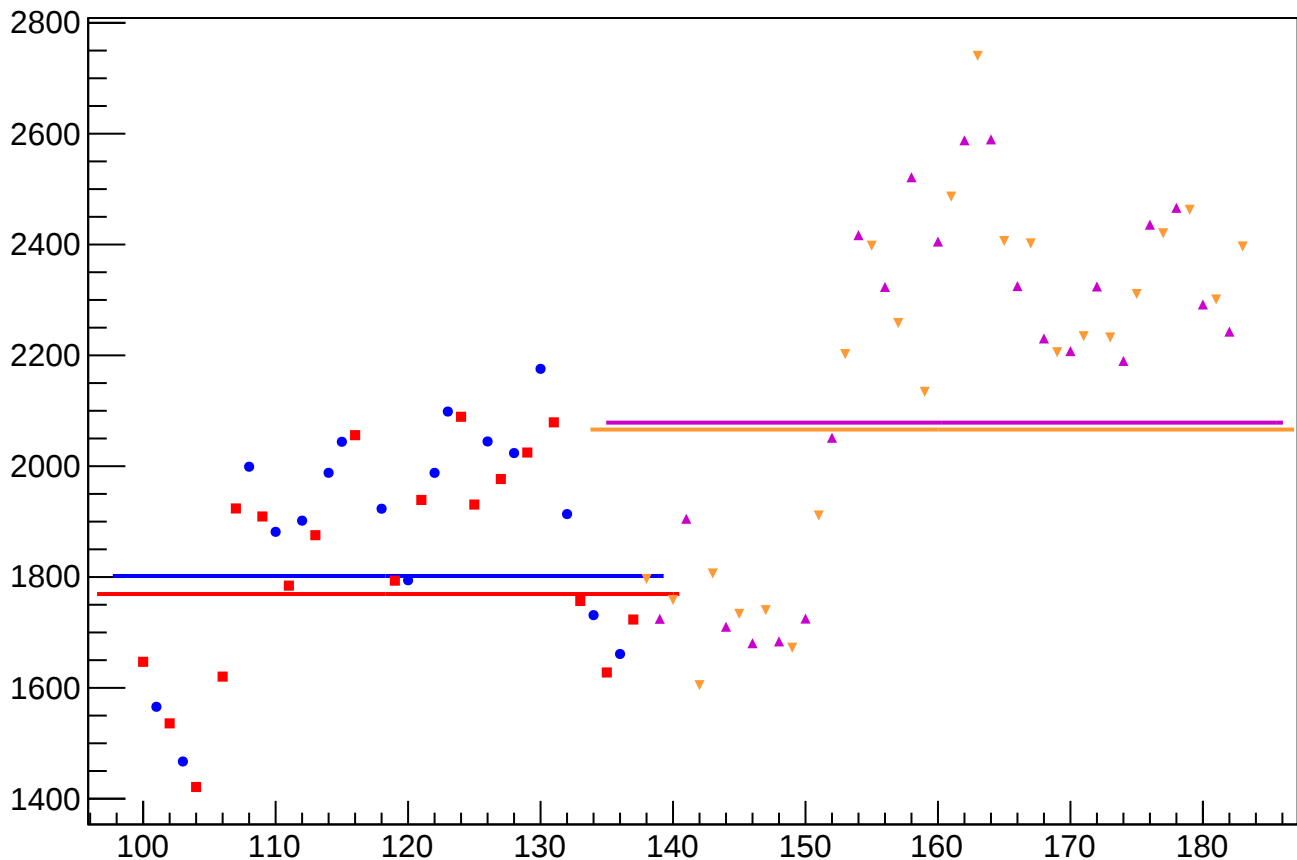
Left In: 58.808 $\pm$ 0.510 χ^2 /NDF: 2771.2/21

+ sign 1.603 $\pm$ 0.402 χ^2 /NDF: 14037.3/40

All: 13.305 $\pm$ 0.285 χ^2 /NDF: 31206.1/81

- sign 25.200 $\pm$ 0.405 χ^2 /NDF: 15458.4/40

diff_bpm0i05X_rms vs Slug



Right In: 1801.920 $\pm$ 0.495 χ^2 /NDF: 183555.8/16

Left Out: 2066.143 $\pm$ 0.347 χ^2 /NDF: 792042.6/23

Right Out: 1769.354 $\pm$ 0.472 χ^2 /NDF: 177813.0/18

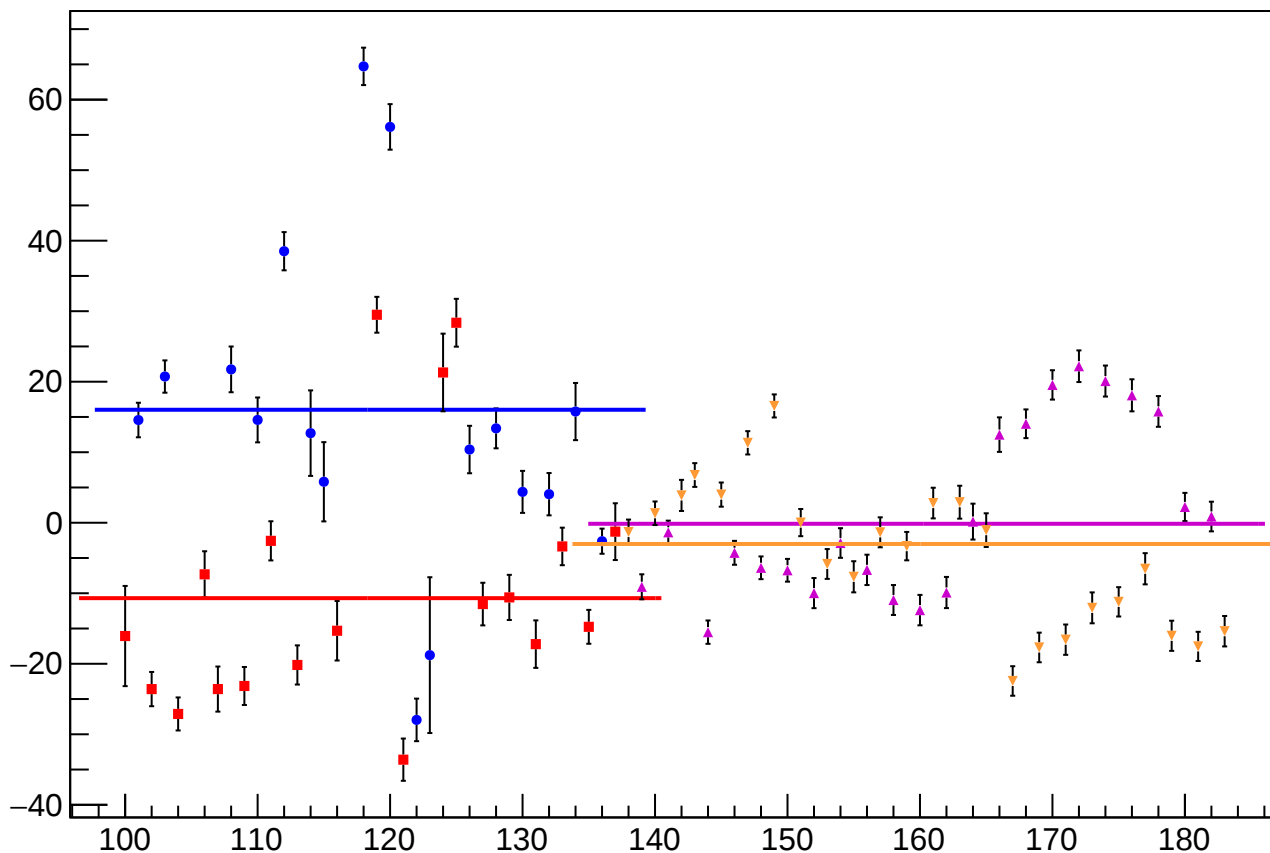
Left In: 2078.633 $\pm$ 0.360 χ^2 /NDF: 776445.9/21

+ sign 1979.209 $\pm$ 0.284 χ^2 /NDF: 1166547.7/40

All: 1972.011 $\pm$ 0.202 χ^2 /NDF: 2393340.2/83

- sign 1964.694 $\pm$ 0.286 χ^2 /NDF: 1225498.2/40

diff_bpm0i05Y_mean vs Slug



Right In: 16.023 ± 0.723 χ^2/NDF : 938.1/16

Left Out: -3.011 ± 0.407 χ^2/NDF : 639.3/23

Right Out: -10.695 ± 0.694 χ^2/NDF : 632.7/18

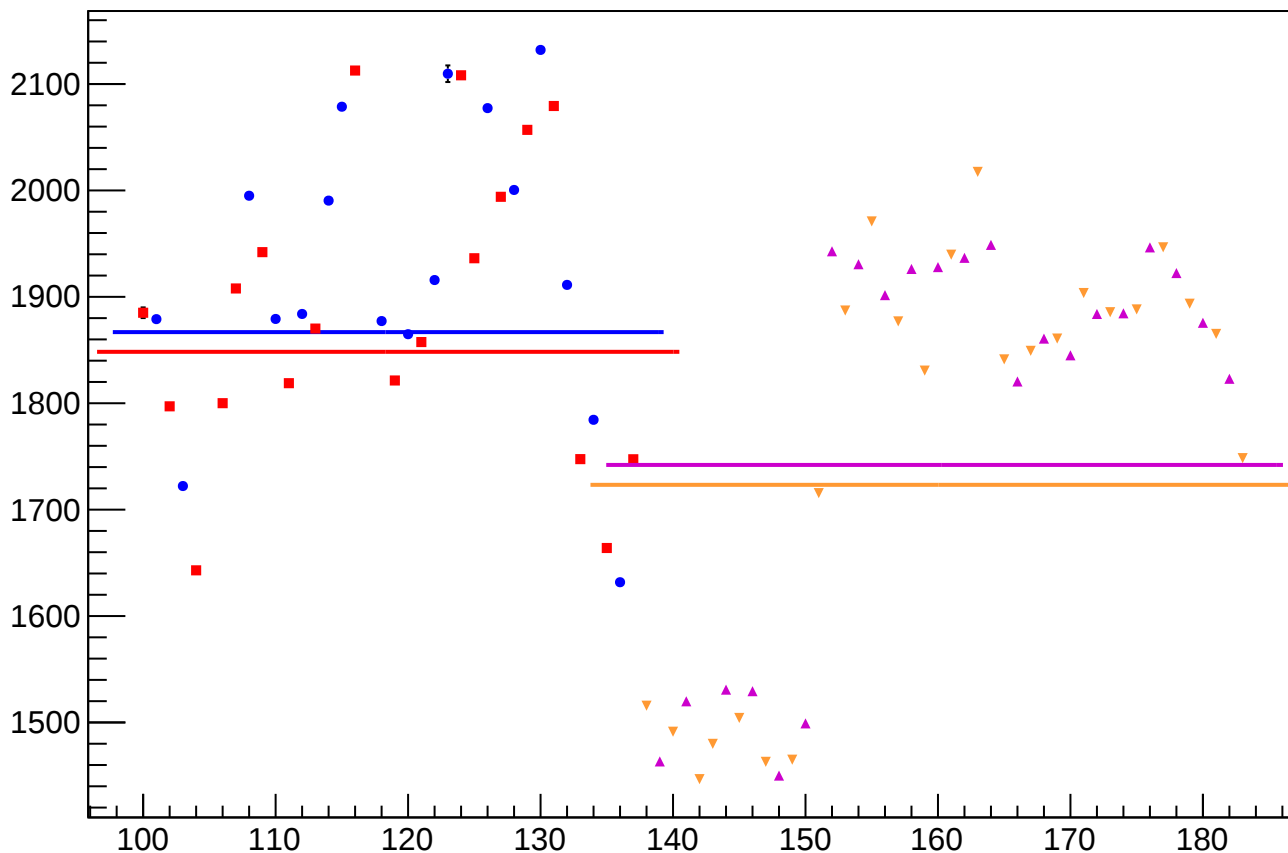
Left In: -0.149 ± 0.425 χ^2/NDF : 727.4/21

+ sign 1.573 ± 0.355 χ^2/NDF : 2104.0/40

All: -0.674 ± 0.253 χ^2/NDF : 3714.1/81

- sign -3.018 ± 0.362 χ^2/NDF : 1528.0/40

diff_bpm0i05Y_rms vs Slug



Right In: 1866.855 $\pm$ 0.511 χ^2 /NDF: 80657.5/16

Left Out: 1723.325 $\pm$ 0.288 χ^2 /NDF: 477419.6/23

Right Out: 1848.333 $\pm$ 0.491 χ^2 /NDF: 72586.9/18

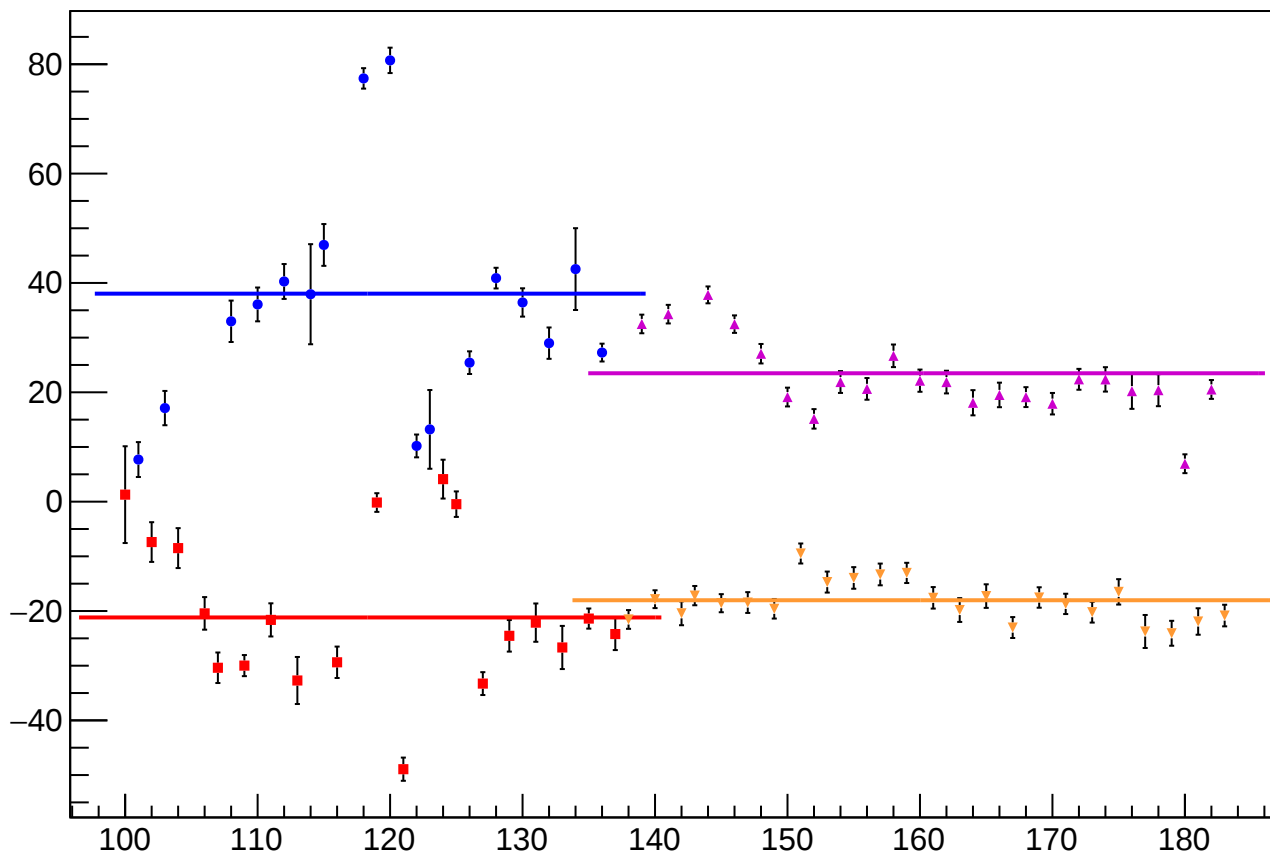
Left In: 1742.026 $\pm$ 0.300 χ^2 /NDF: 435768.6/21

+ sign 1757.894 $\pm$ 0.251 χ^2 /NDF: 617964.6/40

All: 1764.285 $\pm$ 0.179 χ^2 /NDF: 1161765.0/83

- sign 1770.951 $\pm$ 0.256 χ^2 /NDF: 542473.7/40

diff_bpm0i07X_mean vs Slug



Right In: 38.041 ± 0.639 χ^2/NDF : 1207.6/16

Left Out: -18.030 ± 0.398 χ^2/NDF : 73.4/23

Right Out: -21.178 ± 0.610 χ^2/NDF : 570.0/18

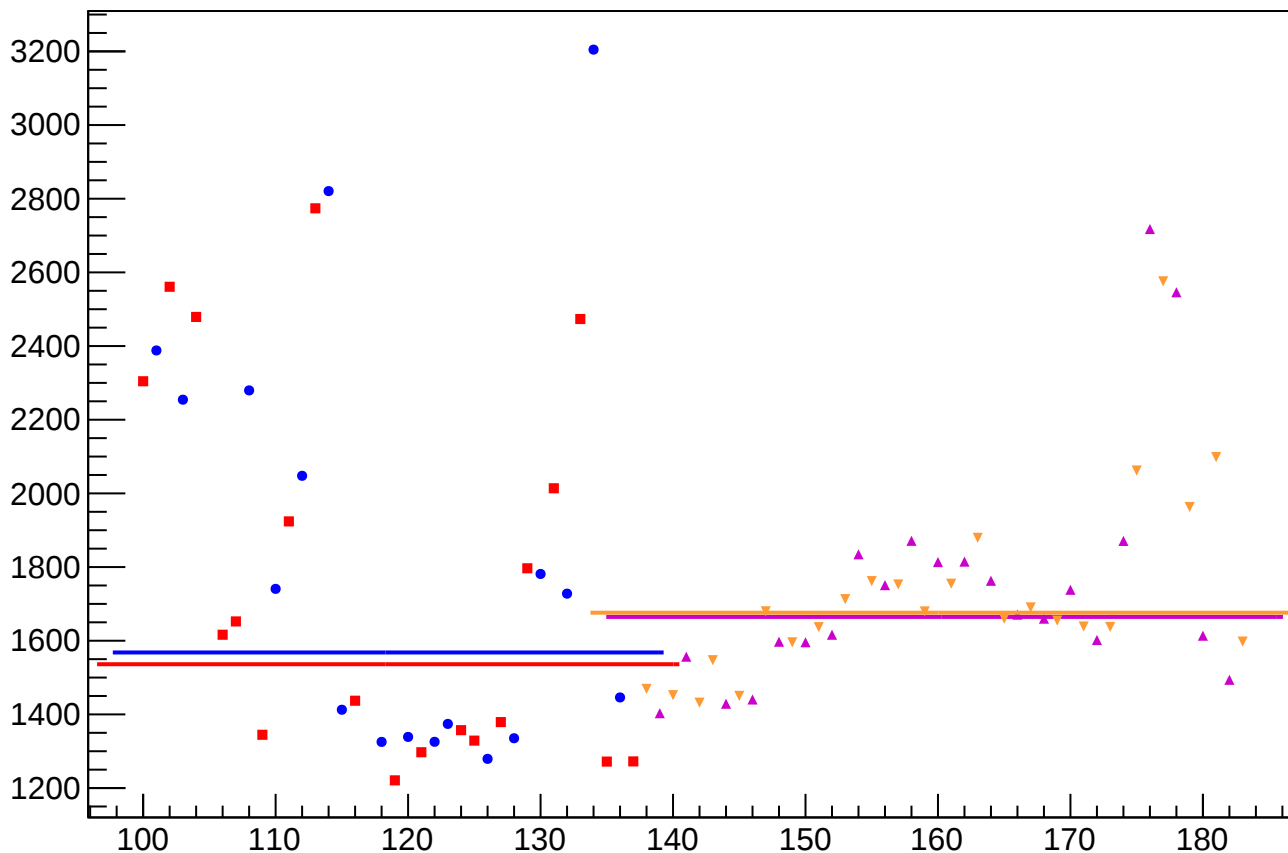
Left In: 23.481 ± 0.409 χ^2/NDF : 345.0/21

+ sign -2.324 ± 0.338 χ^2/NDF : 6828.1/40

All: 3.634 ± 0.240 χ^2/NDF : 12070.5/81

- sign 9.638 ± 0.339 χ^2/NDF : 4618.9/40

diff_bpm0i07X_rms vs Slug



Right In: 1568.172 $\pm$ 0.452 χ^2 /NDF: 668072.7/16

Left Out: 1676.163 $\pm$ 0.282 χ^2 /NDF: 503796.8/23

Right Out: 1536.208 $\pm$ 0.431 χ^2 /NDF: 882312.9/18

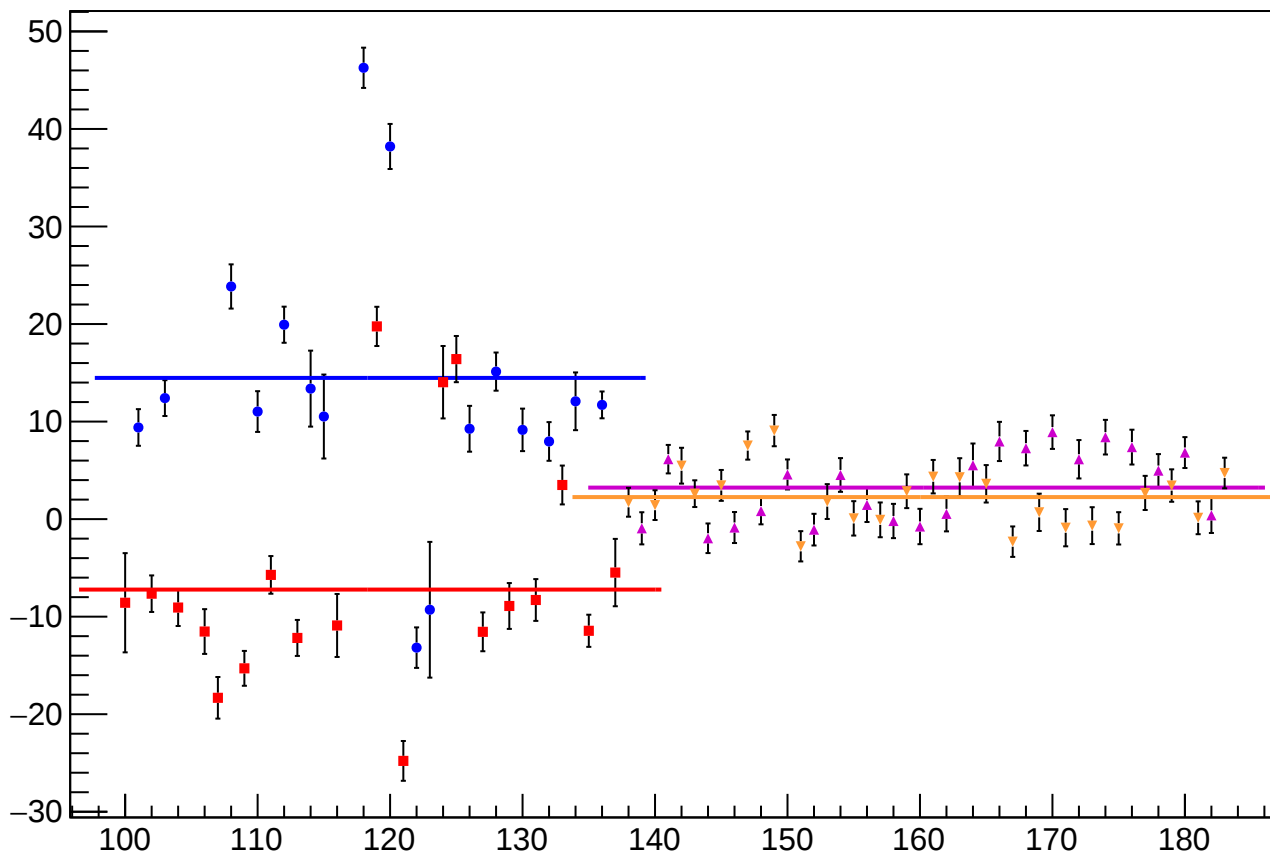
Left In: 1664.653 $\pm$ 0.289 χ^2 /NDF: 647019.0/21

+ sign 1645.912 $\pm$ 0.239 χ^2 /NDF: 1213020.8/40

All: 1635.415 $\pm$ 0.169 χ^2 /NDF: 2807499.8/83

- sign 1624.837 $\pm$ 0.240 χ^2 /NDF: 1590607.9/40

diff_bpm0i07Y_mean vs Slug



Right In: 14.477+/-0.524 χ^2/NDF : 596.5/16

Left Out: 2.259+/-0.341 χ^2/NDF : 75.3/23

Right Out: -7.223+/-0.495 χ^2/NDF : 489.0/18

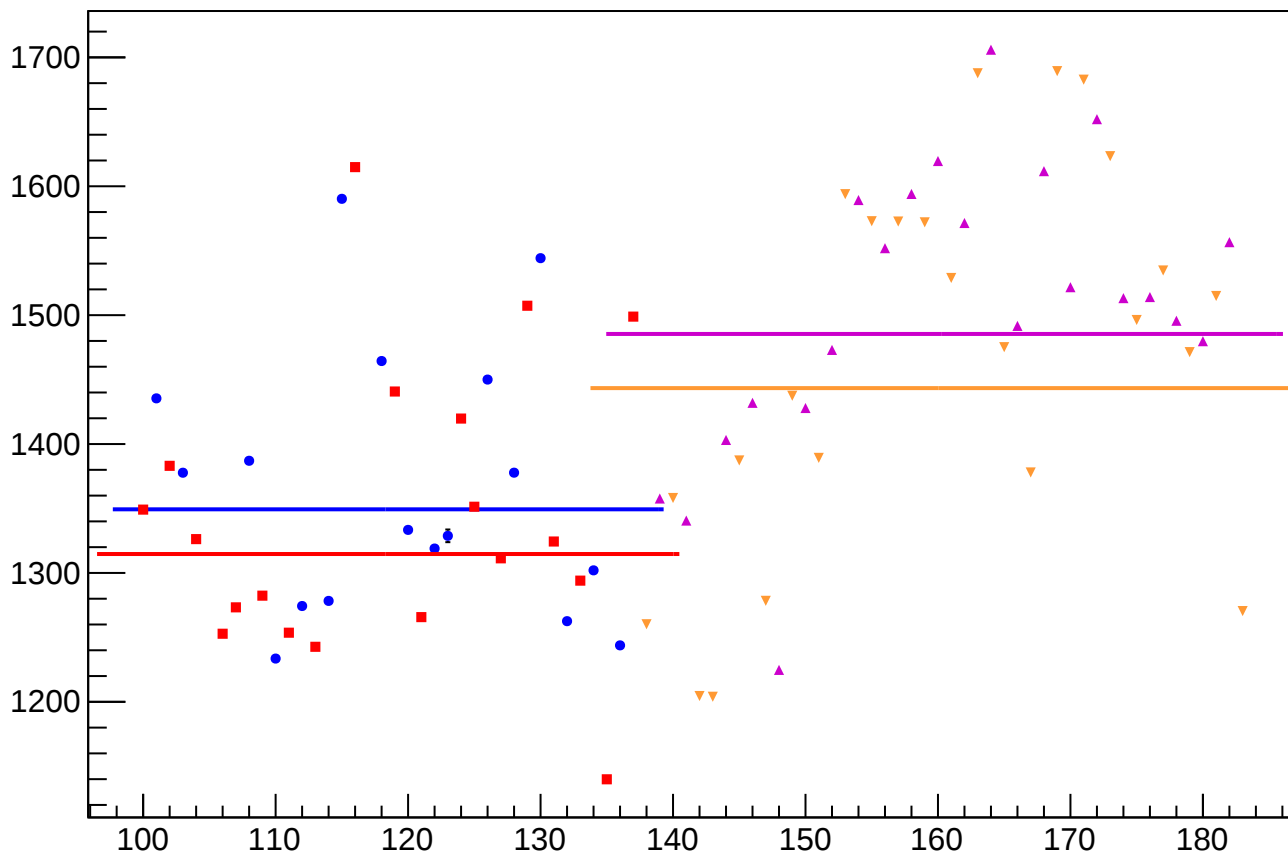
Left In: 3.231+/-0.362 χ^2/NDF : 99.6/21

+ sign 5.892+/-0.286 χ^2/NDF : 1053.8/40

All: 2.812+/-0.204 χ^2/NDF : 2170.5/81

- sign -0.403+/-0.292 χ^2/NDF : 879.3/40

diff_bpm0i07Y_rms vs Slug



Right In: 1349.357 $\pm$ 0.371 χ^2 /NDF: 64580.7/16

Left Out: 1443.399 $\pm$ 0.241 χ^2 /NDF:368296.6/23

Right Out: 1314.682 $\pm$ 0.350 χ^2 /NDF: 80983.6/18

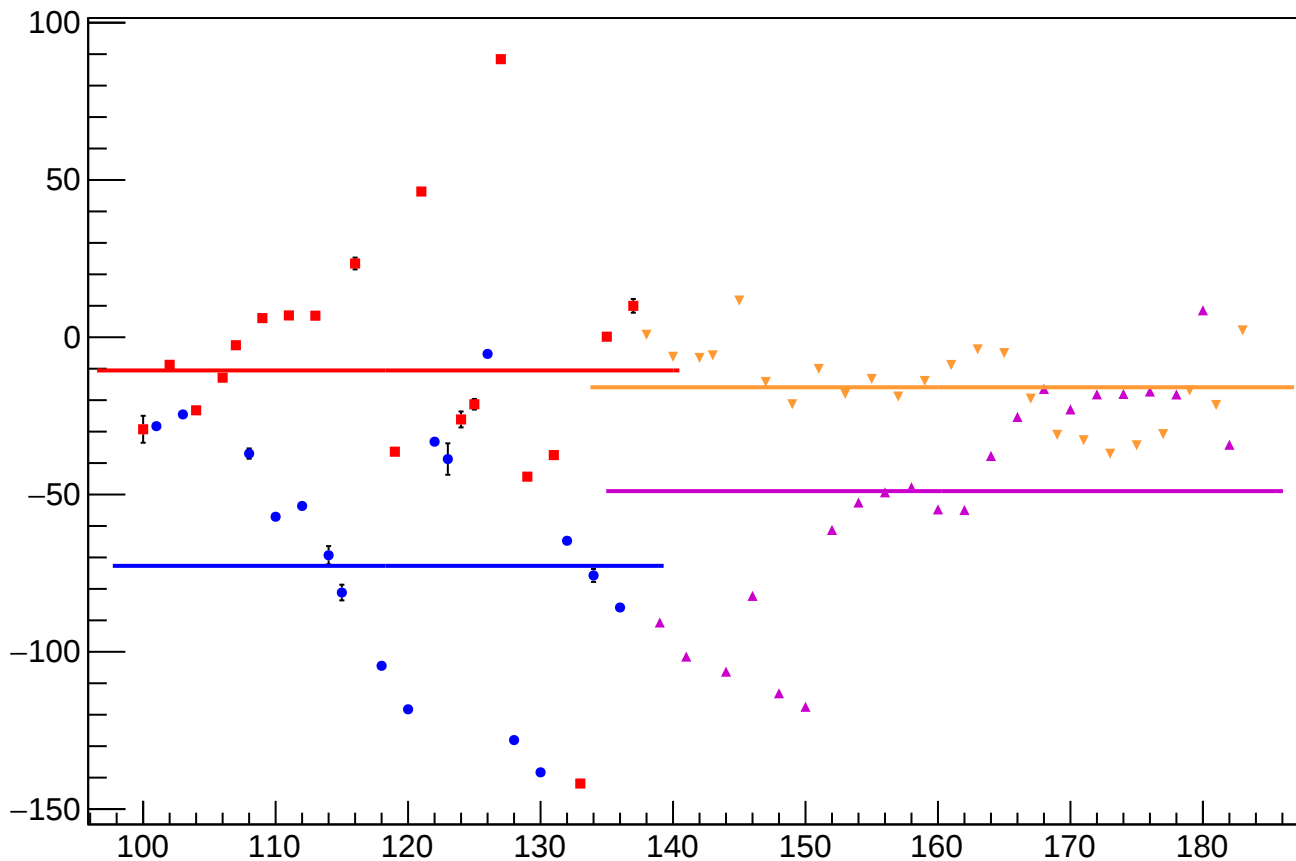
Left In: 1485.418 $\pm$ 0.256 χ^2 /NDF:198494.2/21

+ sign 1415.437 $\pm$ 0.202 χ^2 /NDF: 478130.0/40

All: 1420.640 $\pm$ 0.144 χ^2 /NDF: 914033.1/81

- sign 1426.072 $\pm$ 0.206 χ^2 /NDF: 434548.0/40

diff_bpm1i02X_mean vs Slug



Right In: -72.674 ± 0.363 χ^2/NDF : 11603.9/16

Left Out: -15.902 ± 0.213 χ^2/NDF : 3426.7/23

Right Out: -10.552 ± 0.353 χ^2/NDF : 18145.5/18

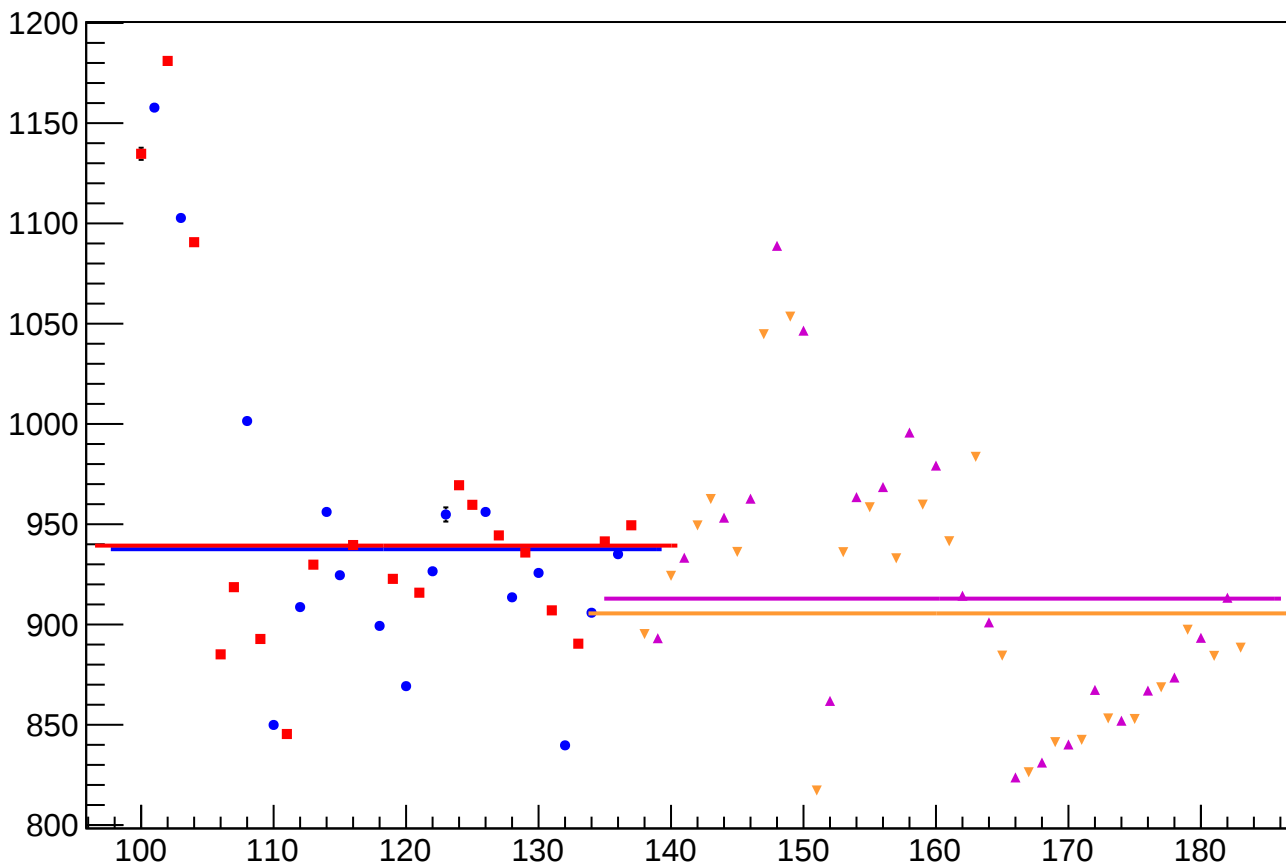
Left In: -48.915 ± 0.222 χ^2/NDF : 25247.3/21

+ sign -30.436 ± 0.184 χ^2/NDF : 33225.5/40

All: -34.168 ± 0.131 χ^2/NDF : 85934.2/81

- sign -38.066 ± 0.188 χ^2/NDF : 51864.5/40

diff_bpm1i02X_rms vs Slug



Right In: 937.550 $\pm$ 0.257 χ^2 /NDF: 98231.3/16

Left Out: 905.539 $\pm$ 0.151 χ^2 /NDF:162068.6/23

Right Out: 939.341 $\pm$ 0.250 χ^2 /NDF: 90084.9/18

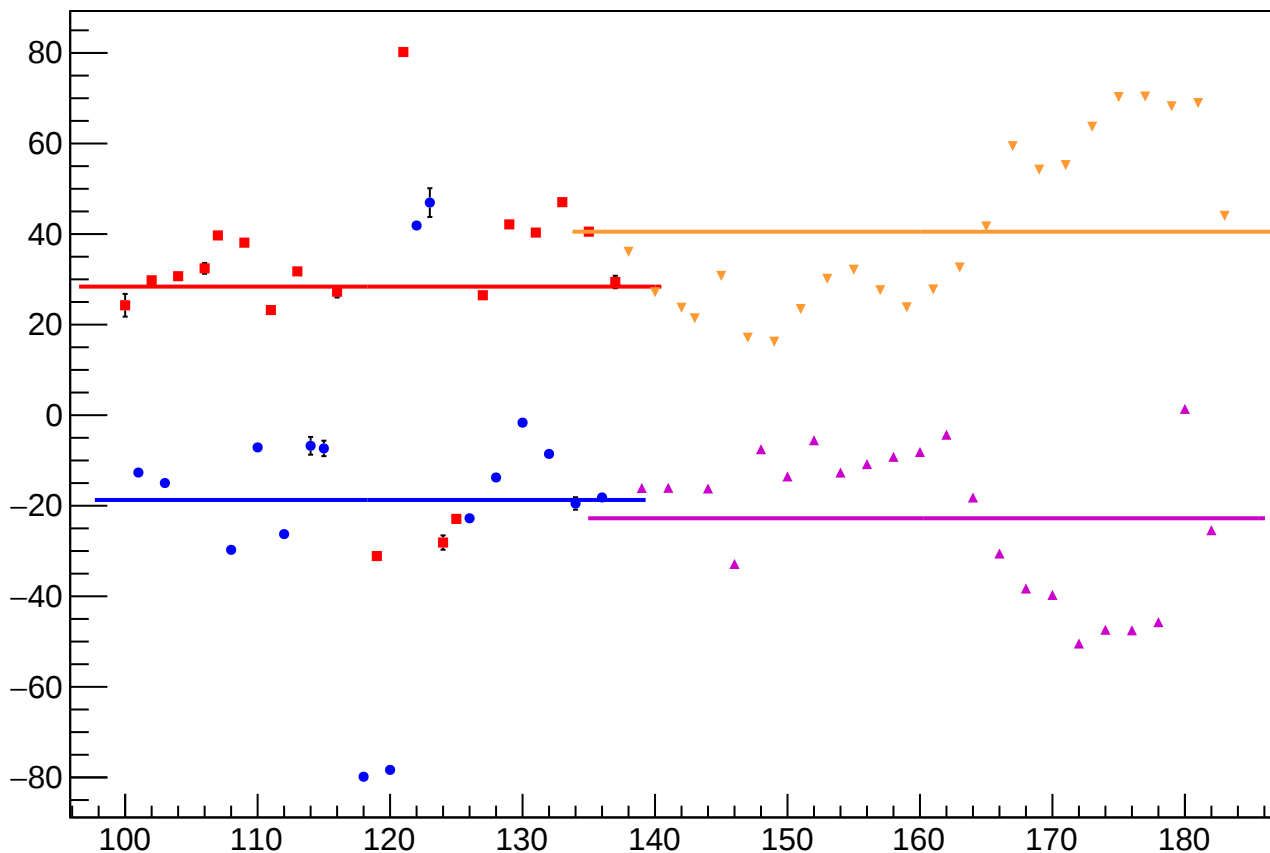
Left In: 912.899 $\pm$ 0.157 χ^2 /NDF:174258.8/21

+ sign 913.734 $\pm$ 0.130 χ^2 /NDF: 271868.9/40

All: 916.983 $\pm$ 0.093 χ^2 /NDF: 545541.4/81

- sign 920.377 $\pm$ 0.133 χ^2 /NDF: 272393.0/40

diff_bpm1i02Y_mean vs Slug



Right In: -18.723 ± 0.243 χ^2/NDF : 12999.6/16

Left Out: 40.522 ± 0.169 χ^2/NDF : 12071.6/23

Right Out: 28.395 ± 0.236 χ^2/NDF : 12424.6/18

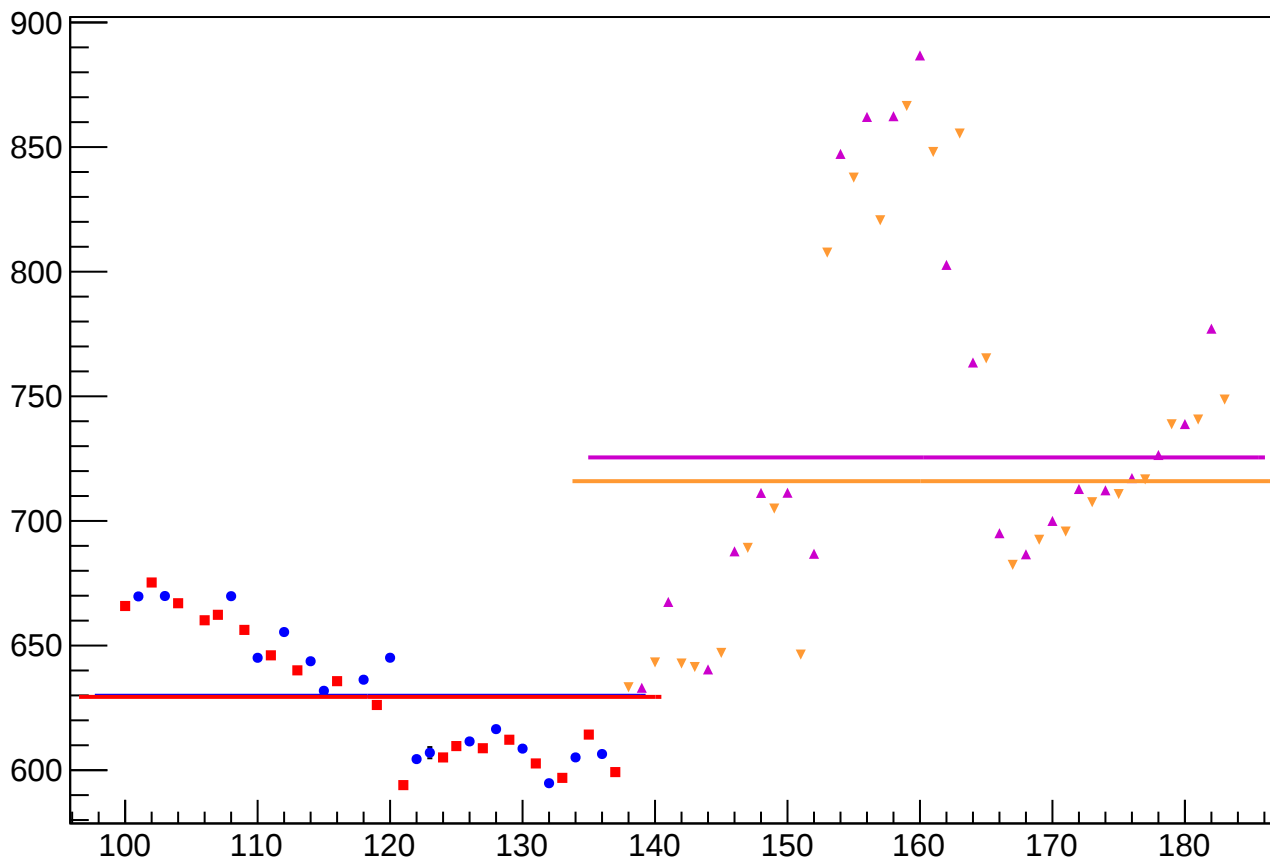
Left In: -22.769 ± 0.177 χ^2/NDF : 8073.3/21

+ sign 21.242 ± 0.139 χ^2/NDF : 65134.3/40

All: 8.663 ± 0.099 χ^2/NDF : 132560.2/81

- sign -4.400 ± 0.141 χ^2/NDF : 50656.2/40

diff_bpm1i02Y_rms vs Slug



Right In: 629.857 $\pm$ 0.172 χ^2 /NDF: 23252.7/16

Left Out: 715.954 $\pm$ 0.119 χ^2 /NDF: 340904.5/23

Right Out: 629.413 $\pm$ 0.167 χ^2 /NDF: 25484.3/18

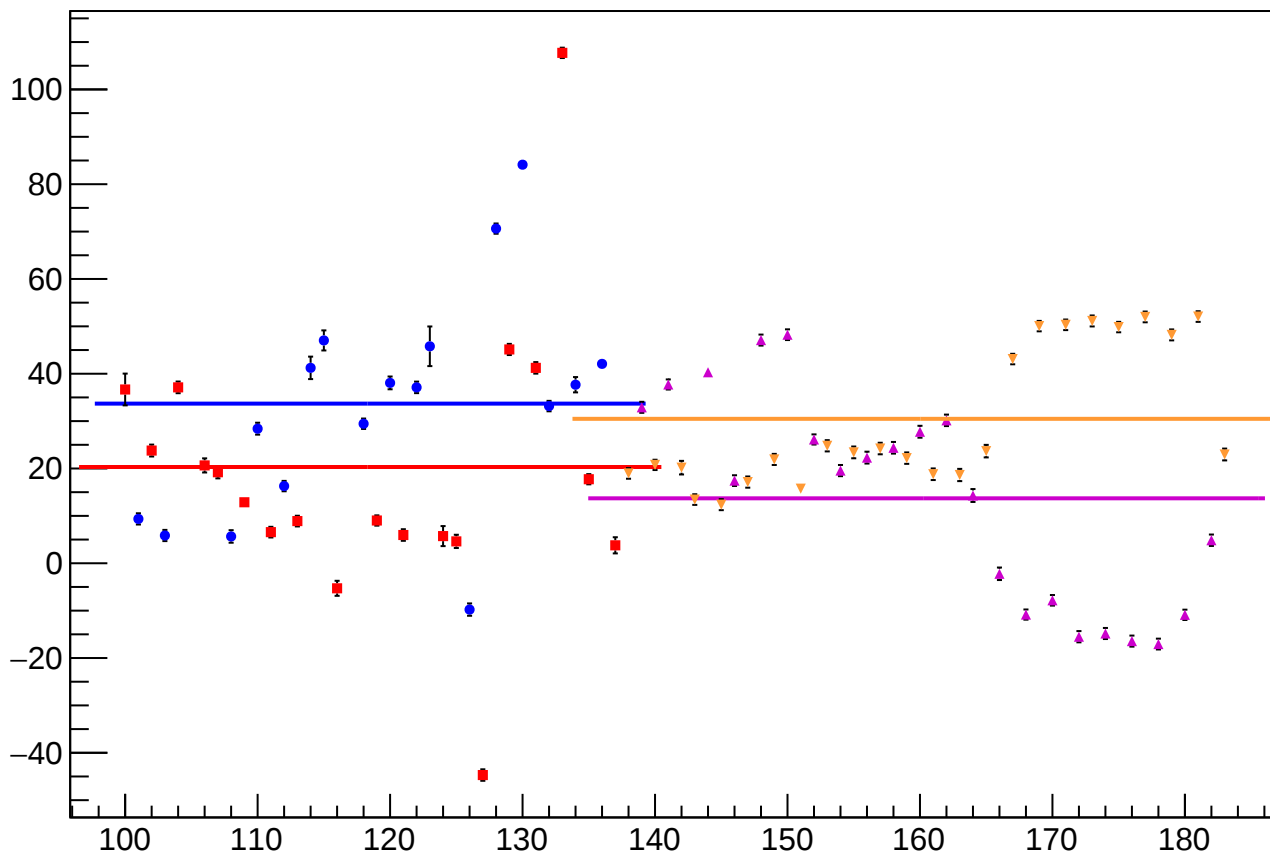
Left In: 725.485 $\pm$ 0.125 χ^2 /NDF: 286055.1/21

+ sign 687.935 $\pm$ 0.098 χ^2 /NDF: 533375.3/40

All: 689.435 $\pm$ 0.070 χ^2 /NDF: 1058065.5/81

- sign 690.993 $\pm$ 0.100 χ^2 /NDF: 524213.1/40

diff_bpm1i04X_mean vs Slug



Right In: 33.692 $\pm$ 0.300 χ^2 /NDF: 6428.2/16

Left Out: 30.483 $\pm$ 0.239 χ^2 /NDF: 3800.8/23

Right Out: 20.314 $\pm$ 0.293 χ^2 /NDF: 11278.0/18

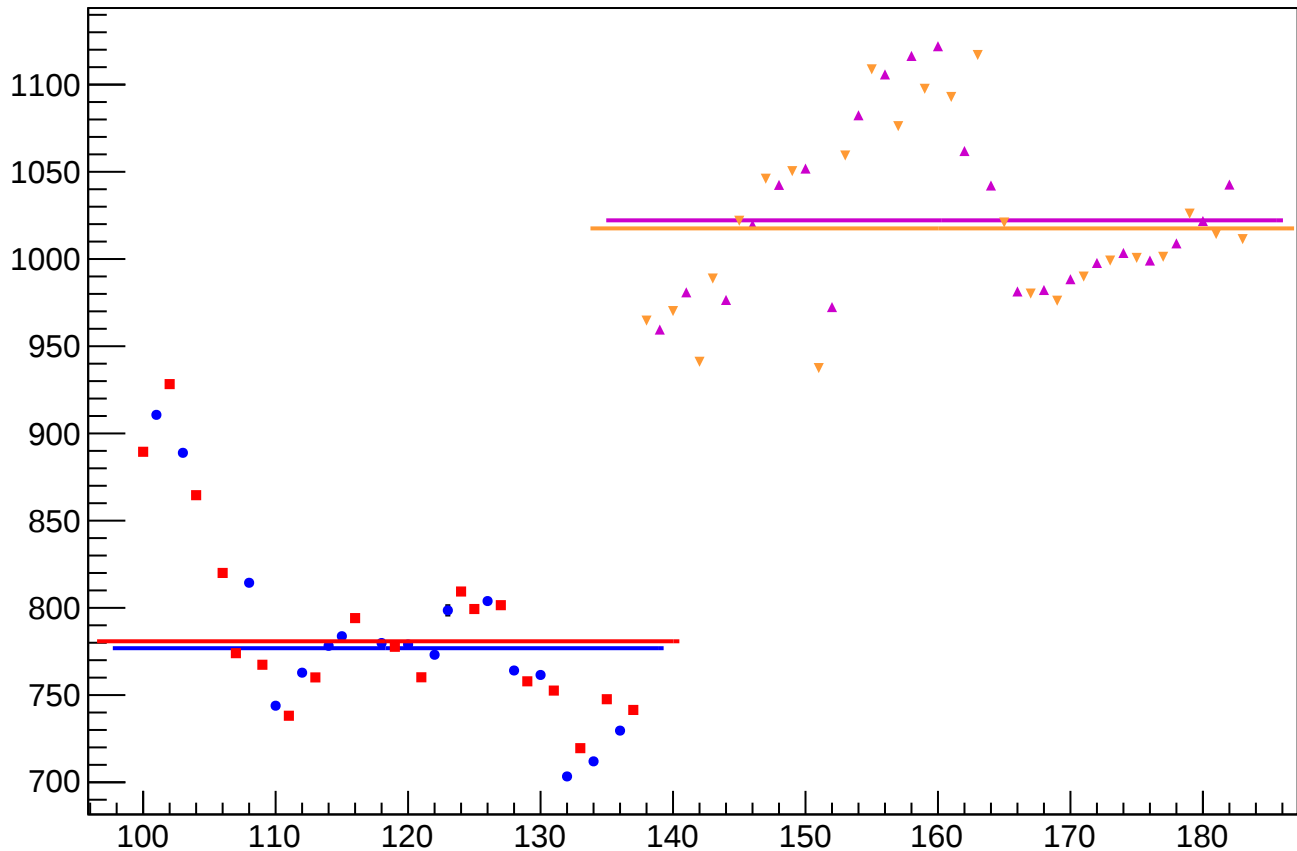
Left In: 13.705 $\pm$ 0.248 χ^2 /NDF: 7972.8/21

+ sign 31.727 $\pm$ 0.187 χ^2 /NDF: 10298.8/40

All: 24.182 $\pm$ 0.133 χ^2 /NDF: 33138.8/81

- sign 16.460 $\pm$ 0.189 χ^2 /NDF: 19547.4/40

diff_bpm1i04X_rms vs Slug



Right In: 776.869 $\pm$ 0.212 χ^2 /NDF: 67447.3/16

Left Out: 1017.554 $\pm$ 0.169 χ^2 /NDF: 83587.0/23

Right Out: 780.840 $\pm$ 0.207 χ^2 /NDF: 57297.9/18

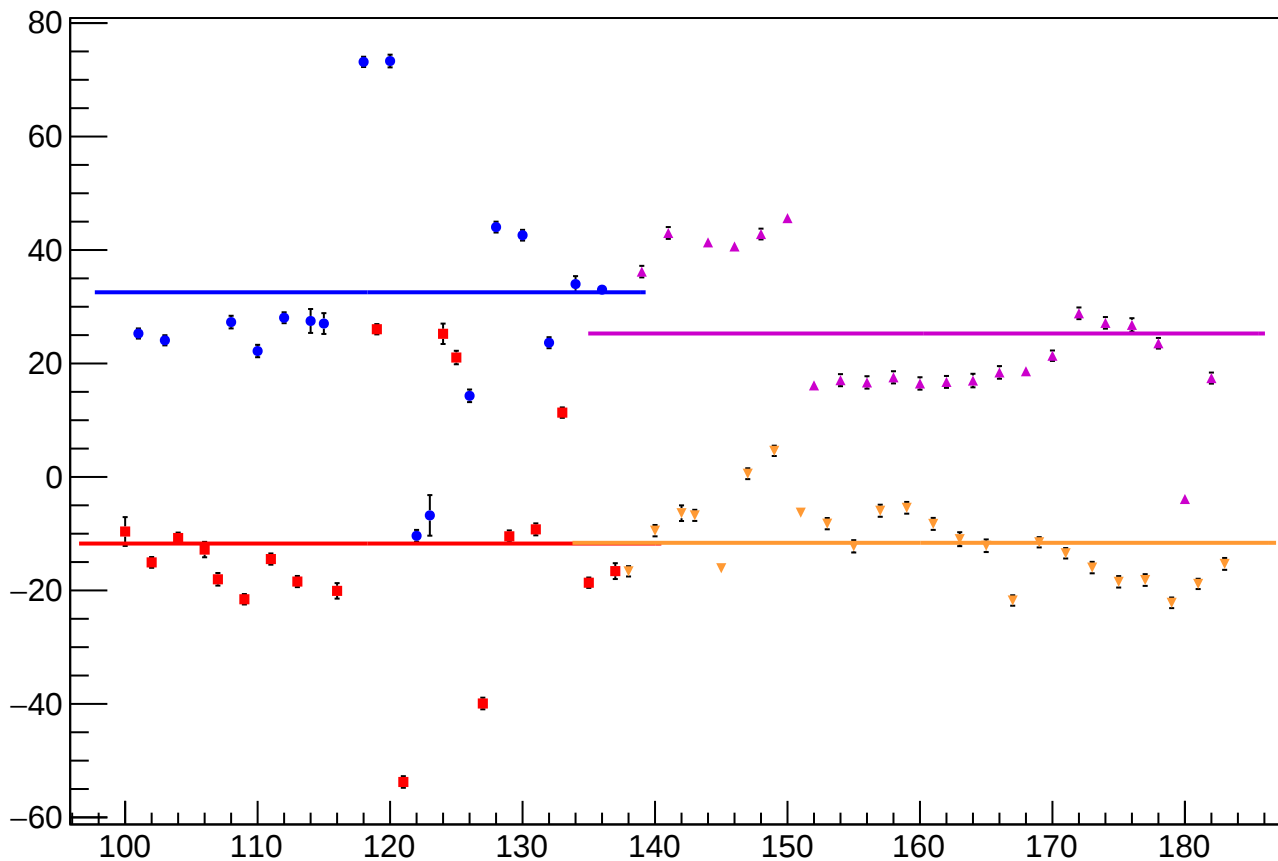
Left In: 1022.178 $\pm$ 0.175 χ^2 /NDF: 69407.6/21

+ sign 924.274 $\pm$ 0.132 χ^2 /NDF: 937168.0/40

All: 922.930 $\pm$ 0.094 χ^2 /NDF: 1855027.1/81

- sign 921.553 $\pm$ 0.134 χ^2 /NDF: 917649.9/40

diff_bpm1i04Y_mean vs Slug



Right In: 32.550 ± 0.253 χ^2/NDF : 6077.4/16

Left Out: -11.607 ± 0.202 χ^2/NDF : 1141.4/23

Right Out: -11.737 ± 0.247 χ^2/NDF : 6313.2/18

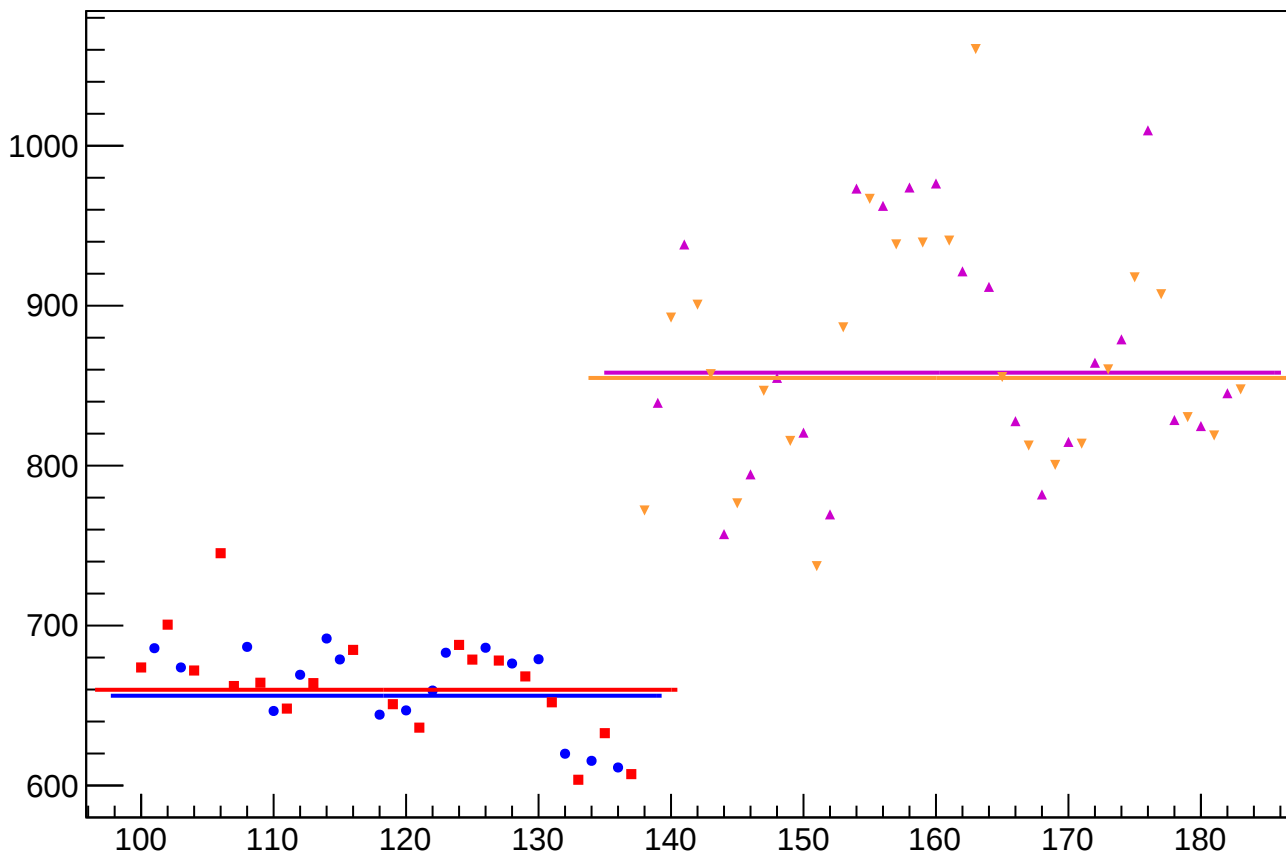
Left In: 25.286 ± 0.209 χ^2/NDF : 3728.8/21

+ sign 5.516 ± 0.158 χ^2/NDF : 25825.9/40

All: 7.665 ± 0.112 χ^2/NDF : 49309.8/81

- sign 9.867 ± 0.160 χ^2/NDF : 23108.1/40

diff_bpm1i04Y_rms vs Slug



Right In: 656.132 $\pm$ 0.179 χ^2 /NDF: 23518.0/16

Left Out: 854.826 $\pm$ 0.143 χ^2 /NDF:233391.7/23

Right Out: 659.855 $\pm$ 0.175 χ^2 /NDF: 28270.5/18

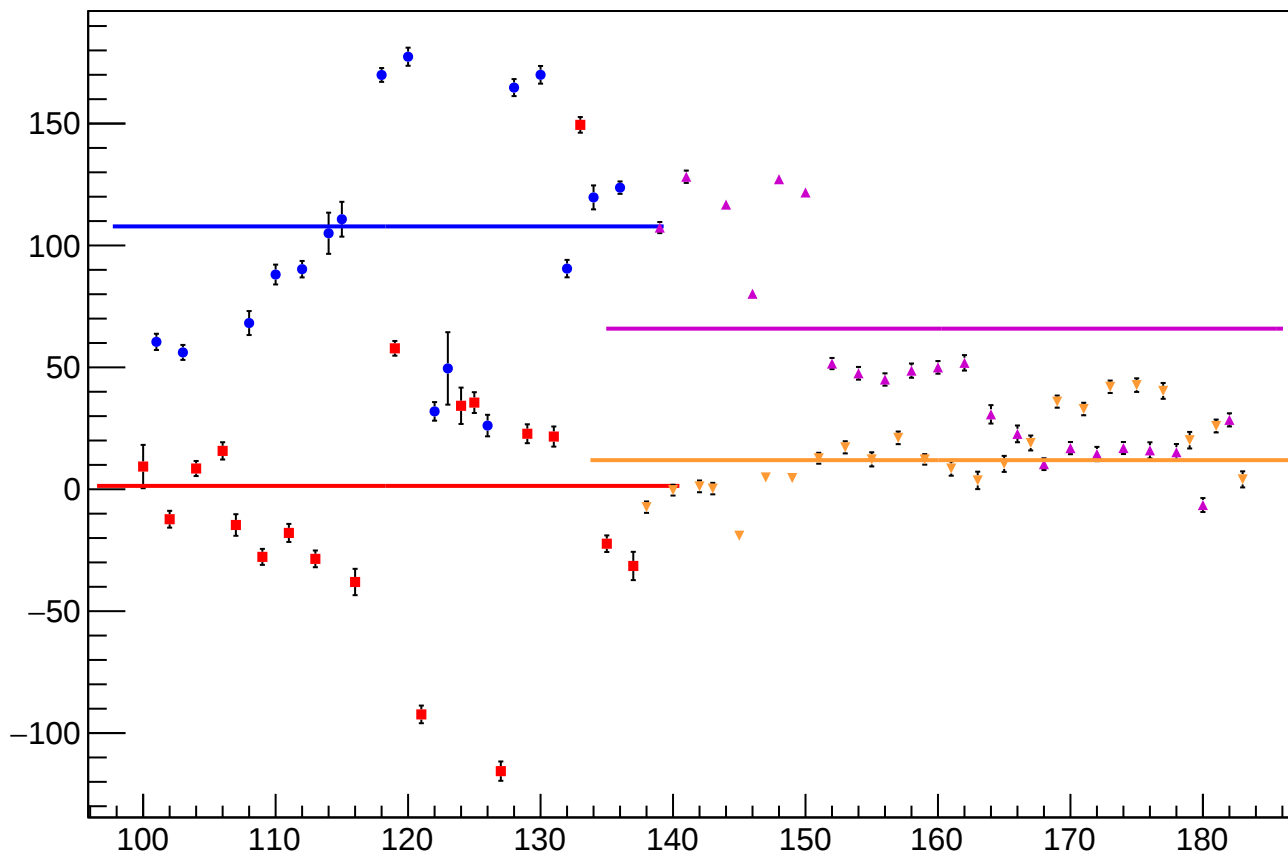
Left In: 858.129 $\pm$ 0.148 χ^2 /NDF:238467.9/21

+ sign 777.775 $\pm$ 0.112 χ^2 /NDF: 1010402.5/40

All: 776.678 $\pm$ 0.079 χ^2 /NDF: 2026848.3/81

- sign 775.554 $\pm$ 0.113 χ^2 /NDF: 1016250.1/40

diff_bpm1i06X_mean vs Slug



Right In: 107.816 $\pm$ 0.923 χ^2 /NDF: 2815.8/16

Left Out: 11.950 $\pm$ 0.508 χ^2 /NDF: 976.6/23

Right Out: 1.388 $\pm$ 0.885 χ^2 /NDF: 4515.0/18

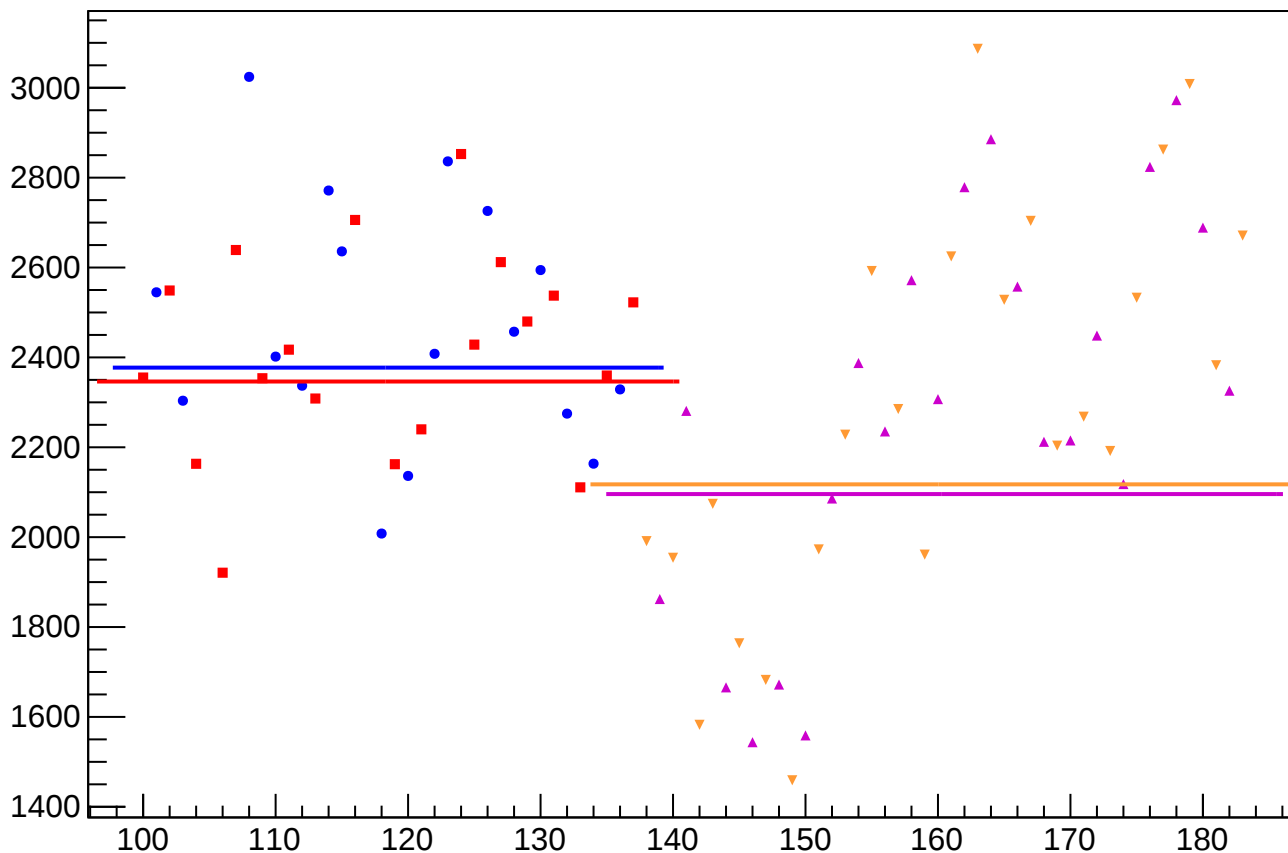
Left In: 65.884 $\pm$ 0.521 χ^2 /NDF: 7330.3/21

+ sign 34.225 $\pm$ 0.445 χ^2 /NDF: 12072.0/40

All: 41.694 $\pm$ 0.316 χ^2 /NDF: 28431.9/81

- sign 49.293 $\pm$ 0.449 χ^2 /NDF: 15791.4/40

diff_bpm1i06X_rms vs Slug



Right In: 2377.271+/-0.653 χ^2/NDF : 119441.2/16

Left Out: 2117.515+/-0.359 χ^2/NDF : 1375018.6/23

Right Out: 2346.354+/-0.626 χ^2/NDF : 108612.6/18

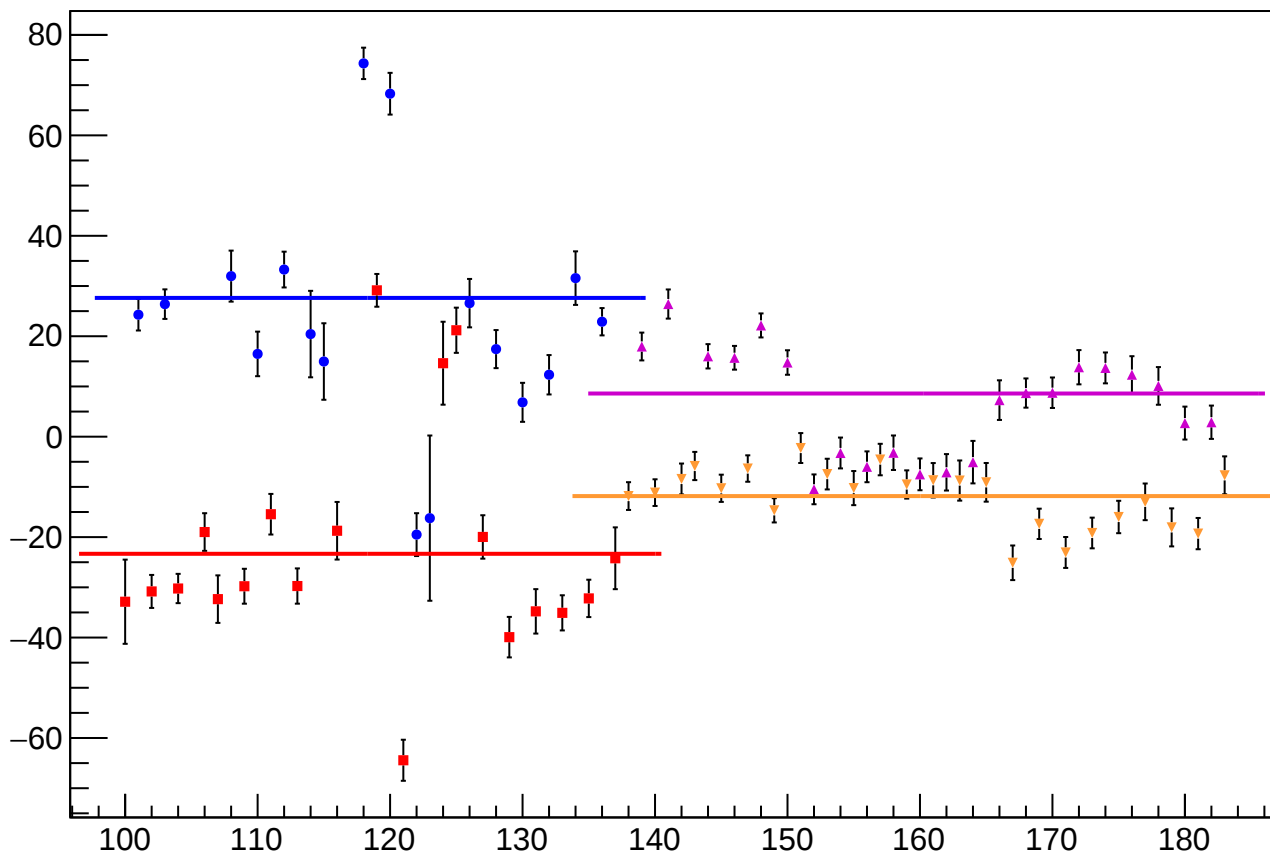
Left In: 2095.884+/-0.368 χ^2/NDF : 1341825.2/21

+ sign 2177.870+/-0.315 χ^2/NDF : 1616034.7/40

All: 2169.167+/-0.223 χ^2/NDF : 3187040.1/83

- sign 2160.312+/-0.317 χ^2/NDF : 1569461.6/40

diff_bpm1i06Y_mean vs Slug



Right In: 27.633 ± 0.976 χ^2/NDF : 517.1/16

Left Out: -11.830 ± 0.629 χ^2/NDF : 81.2/23

Right Out: -23.322 ± 0.929 χ^2/NDF : 548.2/18

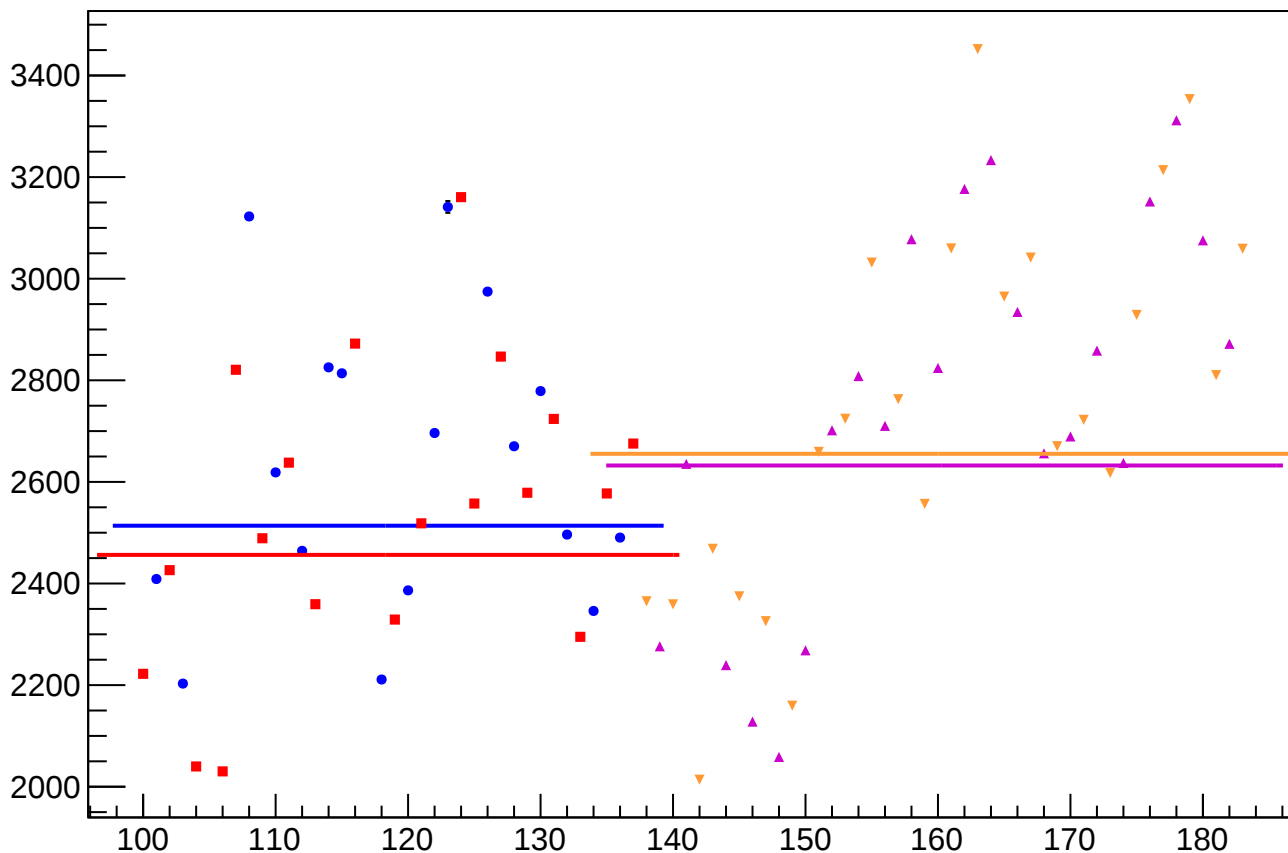
Left In: 8.596 ± 0.646 χ^2/NDF : 264.2/21

+ sign -0.255 ± 0.529 χ^2/NDF : 1752.8/40

All: -1.035 ± 0.374 χ^2/NDF : 3365.6/81

- sign -1.820 ± 0.530 χ^2/NDF : 1608.4/40

diff_bpm1i06Y_rms vs Slug



Right In: 2513.762 $\pm$ 0.690 χ^2 /NDF: 120863.4/16

Left Out: 2655.332 $\pm$ 0.445 χ^2 /NDF: 613667.4/23

Right Out: 2456.343 $\pm$ 0.657 χ^2 /NDF: 149877.3/18

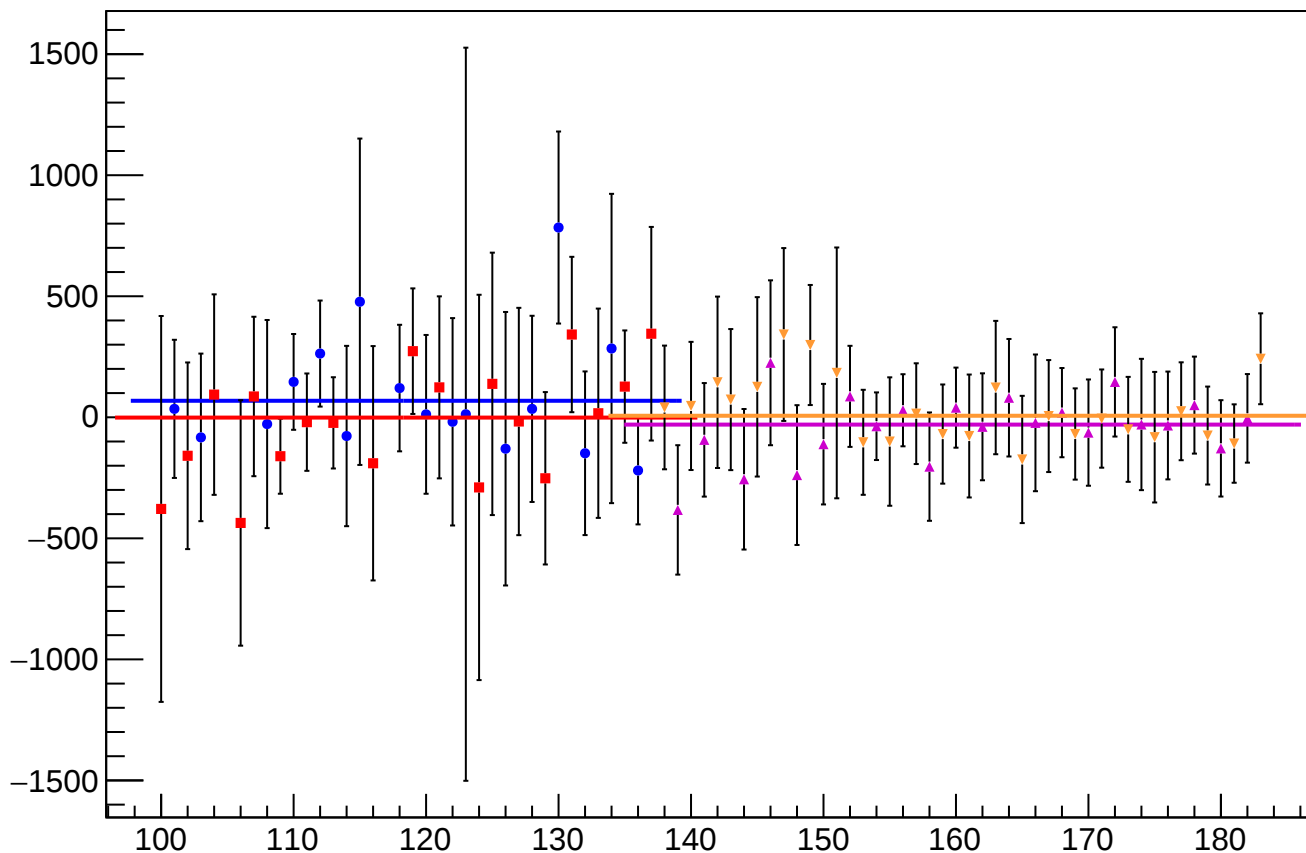
Left In: 2632.319 $\pm$ 0.457 χ^2 /NDF: 645394.8/21

+ sign 2613.809 $\pm$ 0.374 χ^2 /NDF: 764247.7/40

All: 2594.411 $\pm$ 0.265 χ^2 /NDF: 1613315.1/83

- sign 2574.892 $\pm$ 0.375 χ^2 /NDF: 843667.4/40

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 68.238 $\pm$ 79.240 χ^2 /NDF: 7.4/16

Left Out: 6.368 $\pm$ 48.136 χ^2 /NDF: 6.6/23

Right Out: -1.201 $\pm$ 69.991 χ^2 /NDF: 6.5/18

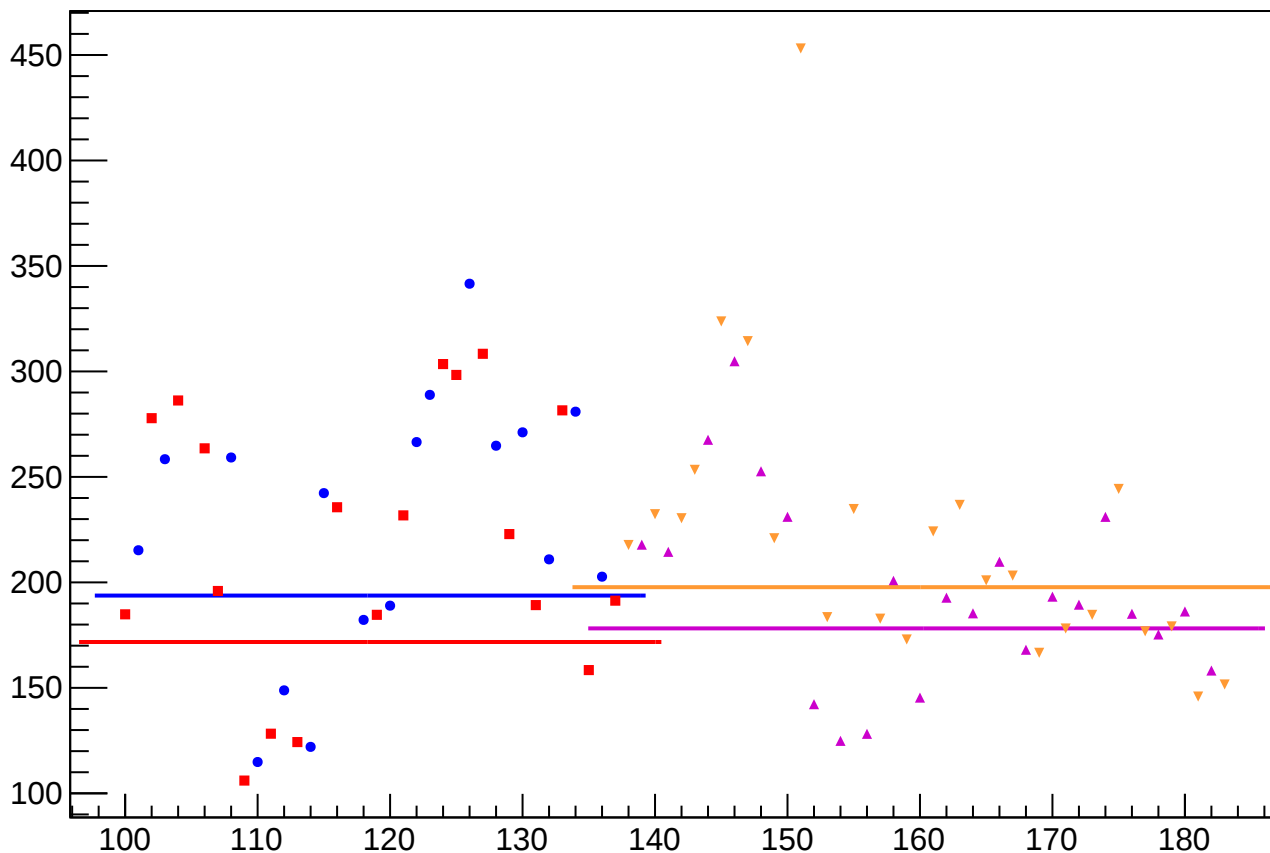
Left In: -30.184 $\pm$ 45.162 χ^2 /NDF: 6.2/21

+ sign 23.045 $\pm$ 41.140 χ^2 /NDF: 14.5/40

All: -1.111 $\pm$ 27.894 χ^2 /NDF: 27.9/81

- sign -21.664 $\pm$ 37.948 χ^2 /NDF: 12.8/40

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.749 $\pm$ 0.056 χ^2 /NDF: 1011115.2/16

Left Out: 197.726 $\pm$ 0.034 χ^2 /NDF: 1738980.6/23

Right Out: 171.741 $\pm$ 0.049 χ^2 /NDF: 1571422.7/18

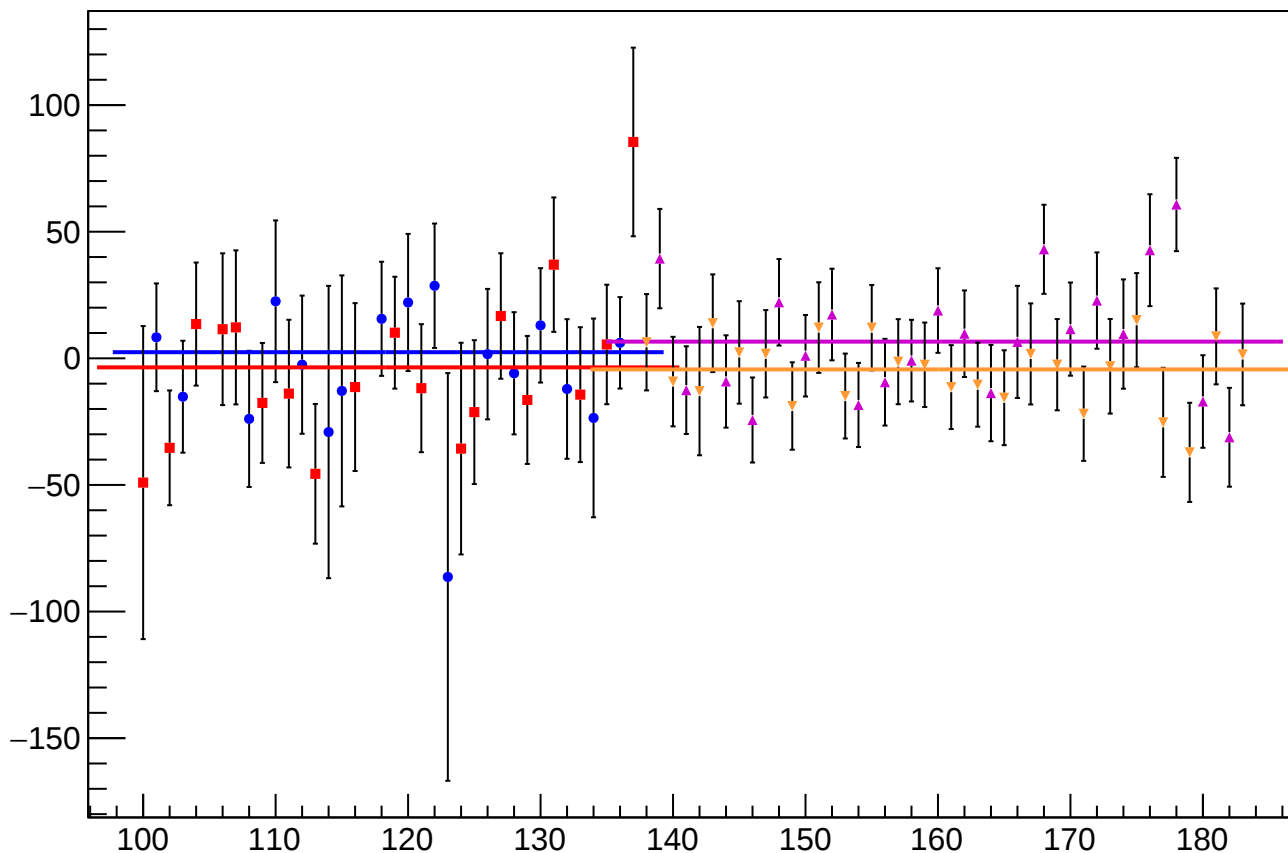
Left In: 178.189 $\pm$ 0.032 χ^2 /NDF: 1618021.2/21

+ sign 196.654 $\pm$ 0.029 χ^2 /NDF: 2753774.9/40

All: 185.653 $\pm$ 0.020 χ^2 /NDF: 6219871.9/81

- sign 176.293 $\pm$ 0.027 χ^2 /NDF: 3201426.7/40

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.423+/-6.440 χ^2/NDF : 6.8/16

Left Out: -4.381+/-3.750 χ^2/NDF : 11.6/23

Right Out: -3.569+/-6.294 χ^2/NDF : 17.1/18

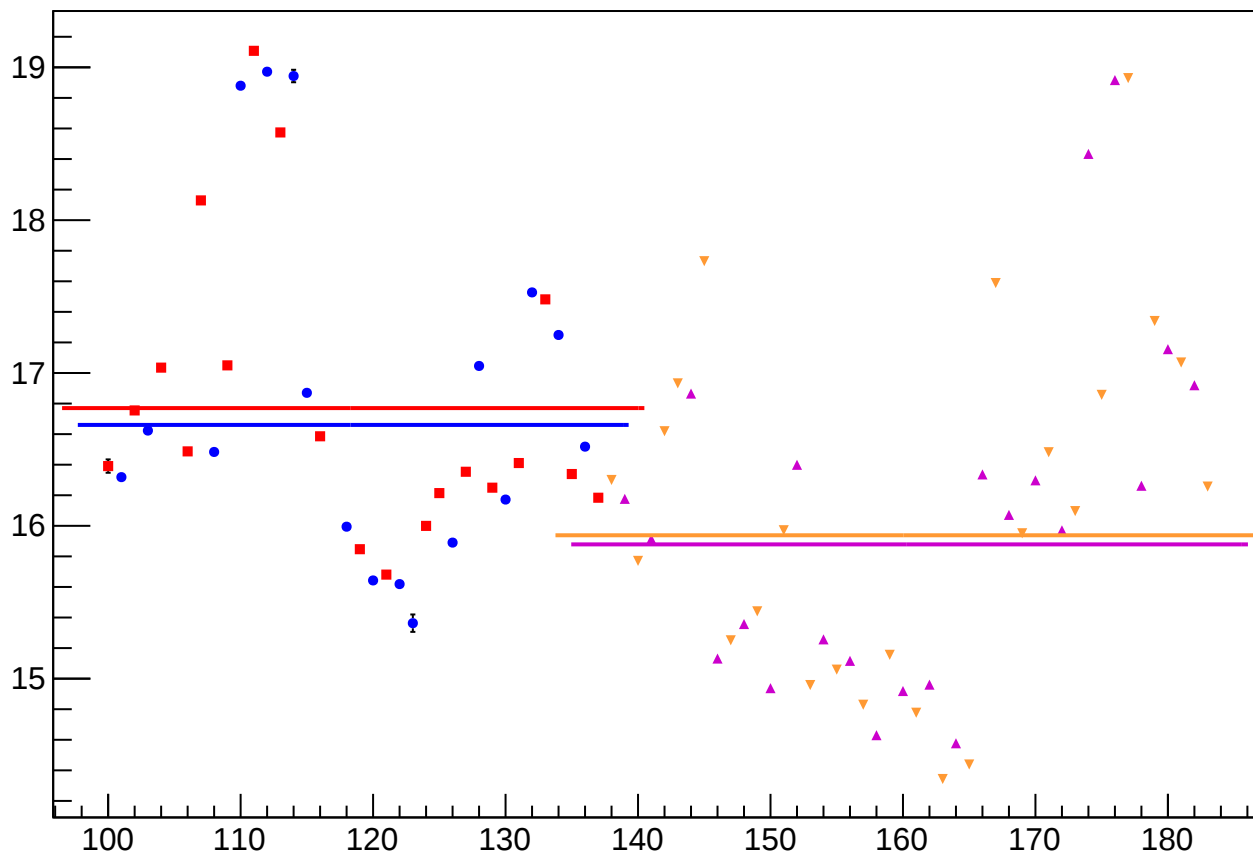
Left In: 6.594+/-3.856 χ^2/NDF : 36.4/21

+ sign -2.658+/-3.241 χ^2/NDF : 19.3/40

All: 0.534+/-2.308 χ^2/NDF : 76.7/81

- sign 3.820+/-3.288 χ^2/NDF : 55.4/40

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.660 $\pm$ 0.005 χ^2 /NDF: 42269.4/16

Left Out: 15.938 $\pm$ 0.003 χ^2 /NDF: 171592.3/23

Right Out: 16.770 $\pm$ 0.004 χ^2 /NDF: 39259.2/18

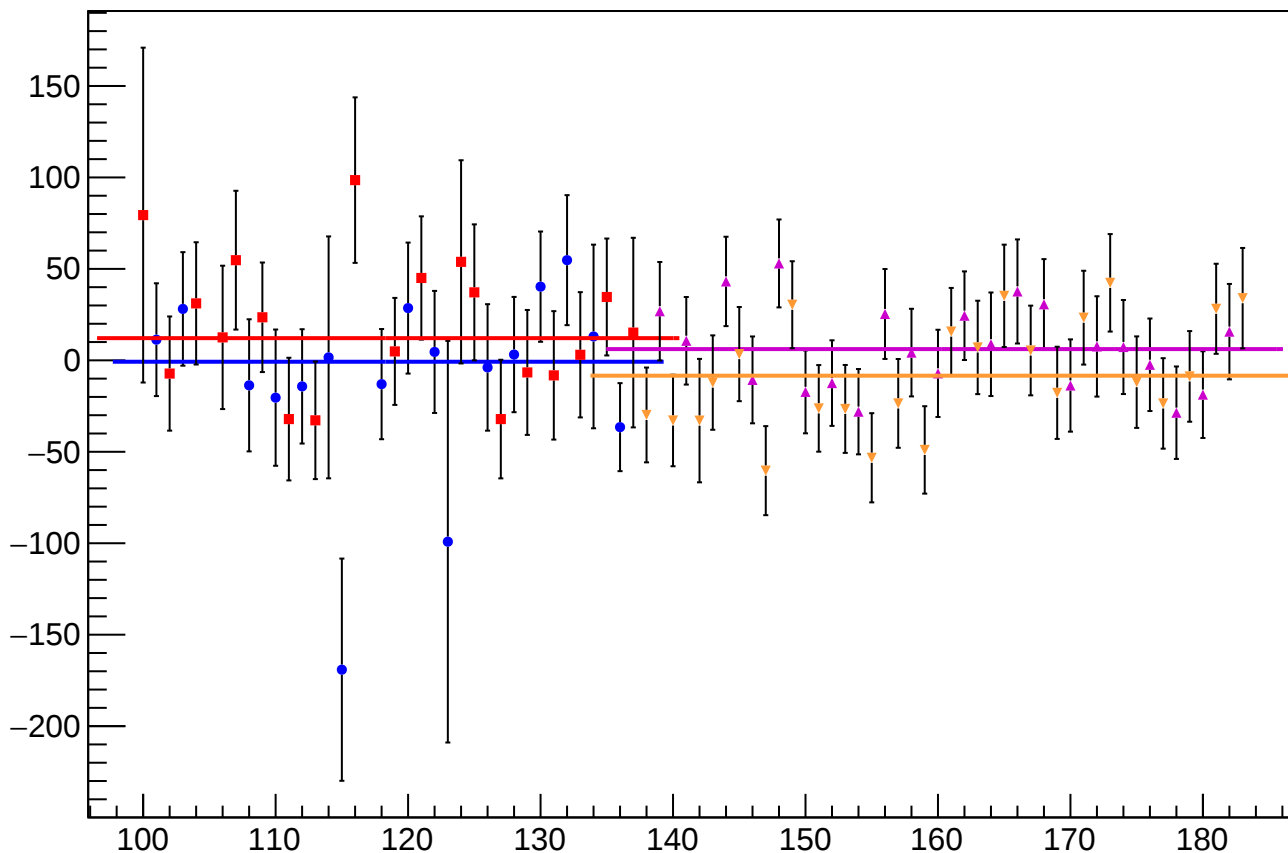
Left In: 15.879 $\pm$ 0.003 χ^2 /NDF: 145485.2/21

+ sign 16.121 $\pm$ 0.002 χ^2 /NDF: 232636.2/40

All: 16.122 $\pm$ 0.002 χ^2 /NDF: 446575.0/81

- sign 16.122 $\pm$ 0.002 χ^2 /NDF: 213938.7/40

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -0.764 ± 8.505 χ^2/NDF : 17.6/16

Left Out: -8.391 ± 5.154 χ^2/NDF : 31.8/23

Right Out: 12.135 ± 8.228 χ^2/NDF : 15.1/18

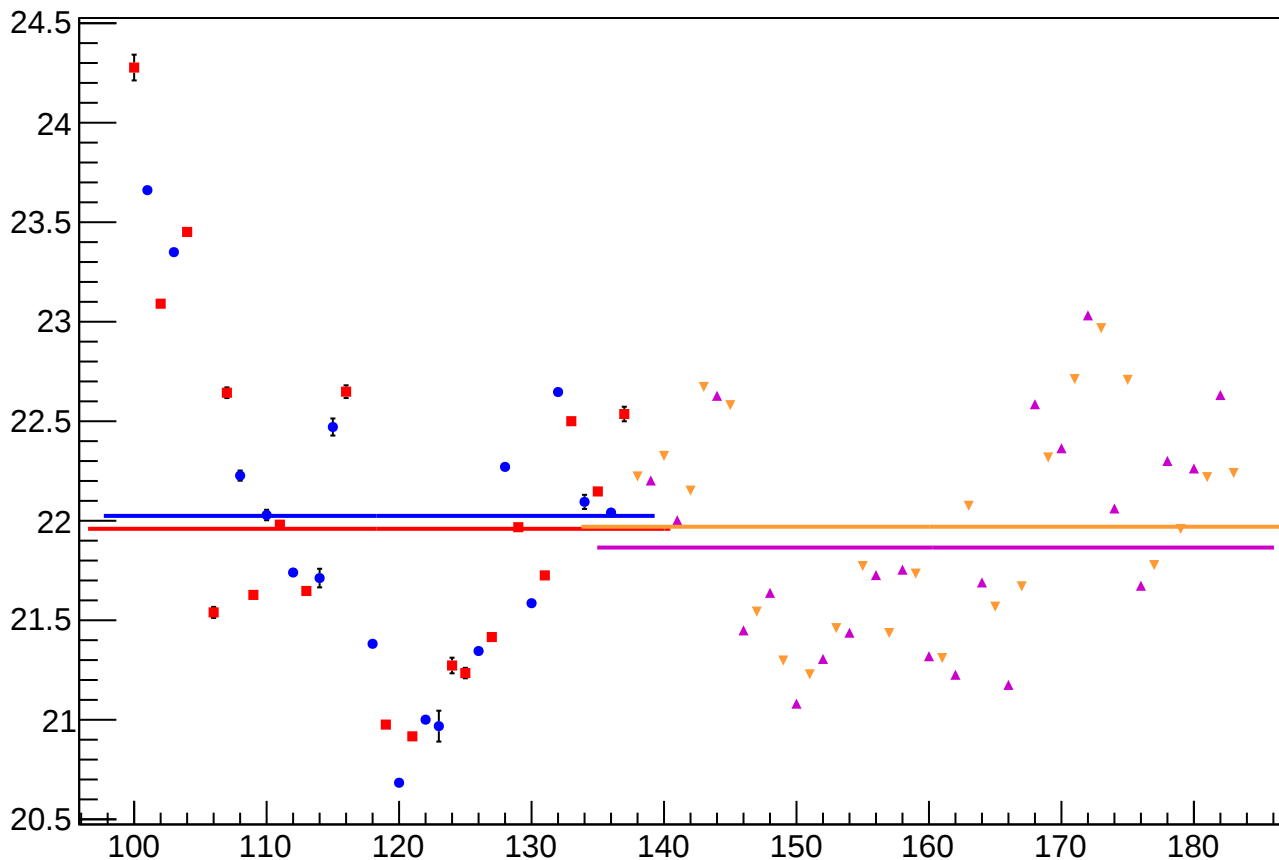
Left In: 6.151 ± 5.294 χ^2/NDF : 18.7/21

+ sign -6.343 ± 4.408 χ^2/NDF : 50.0/40

All: 0.709 ± 3.132 χ^2/NDF : 89.3/81

- sign 7.902 ± 4.452 χ^2/NDF : 34.1/40

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.024 $\pm$ 0.006 χ^2 /NDF: 17381.0/16

Left Out: 21.970 $\pm$ 0.004 χ^2 /NDF:19016.7/23

Right Out: 21.960 $\pm$ 0.006 χ^2 /NDF: 16383.4/18

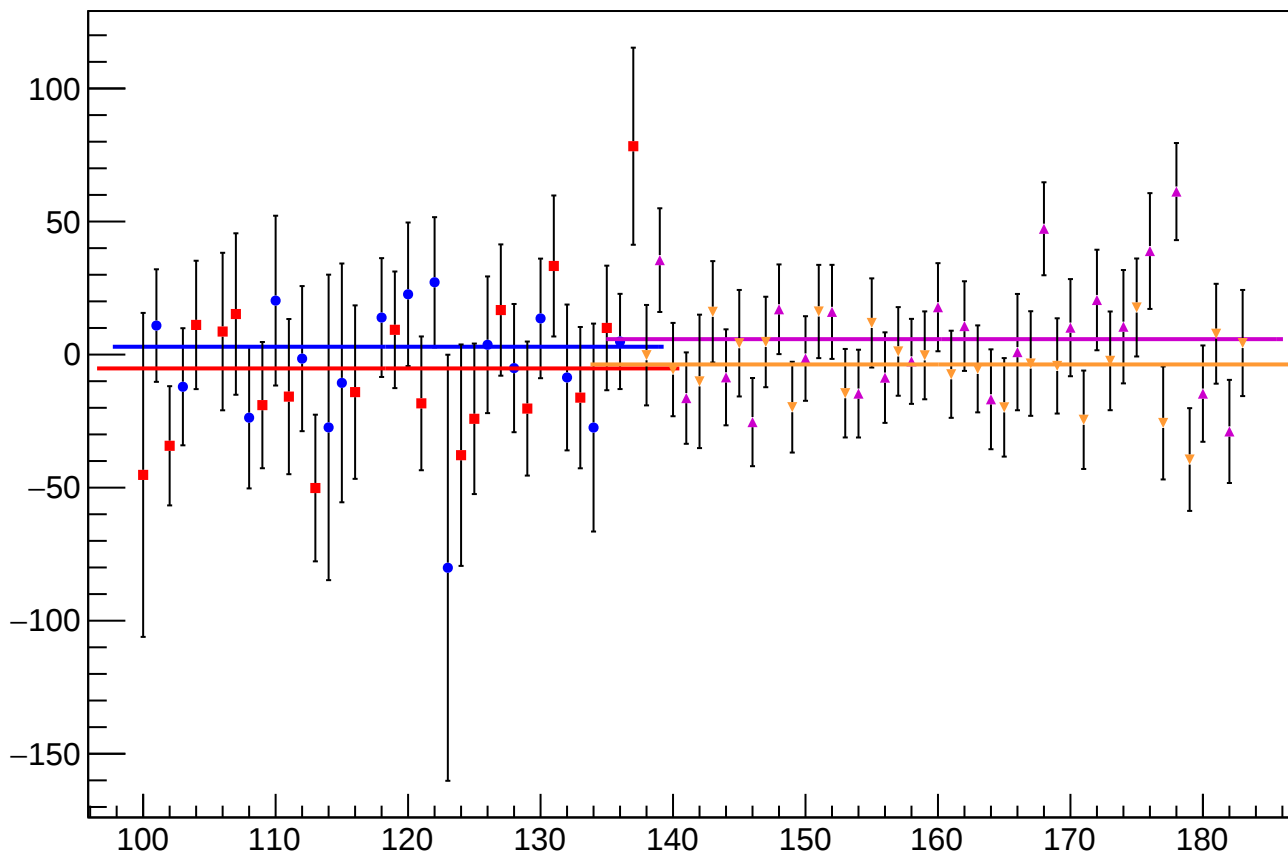
Left In: 21.865 $\pm$ 0.004 χ^2 /NDF:20340.6/21

+ sign 21.985 $\pm$ 0.003 χ^2 /NDF: 36457.6/40

All: 21.939 $\pm$ 0.002 χ^2 /NDF: 73795.6/81

- sign 21.893 $\pm$ 0.003 χ^2 /NDF: 36909.5/40

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.948 $\pm$ 6.404 χ^2 /NDF: 6.3/16

Left Out: -3.703 $\pm$ 3.710 χ^2 /NDF:13.7/23

Right Out: -5.199 $\pm$ 6.258 χ^2 /NDF: 17.2/18

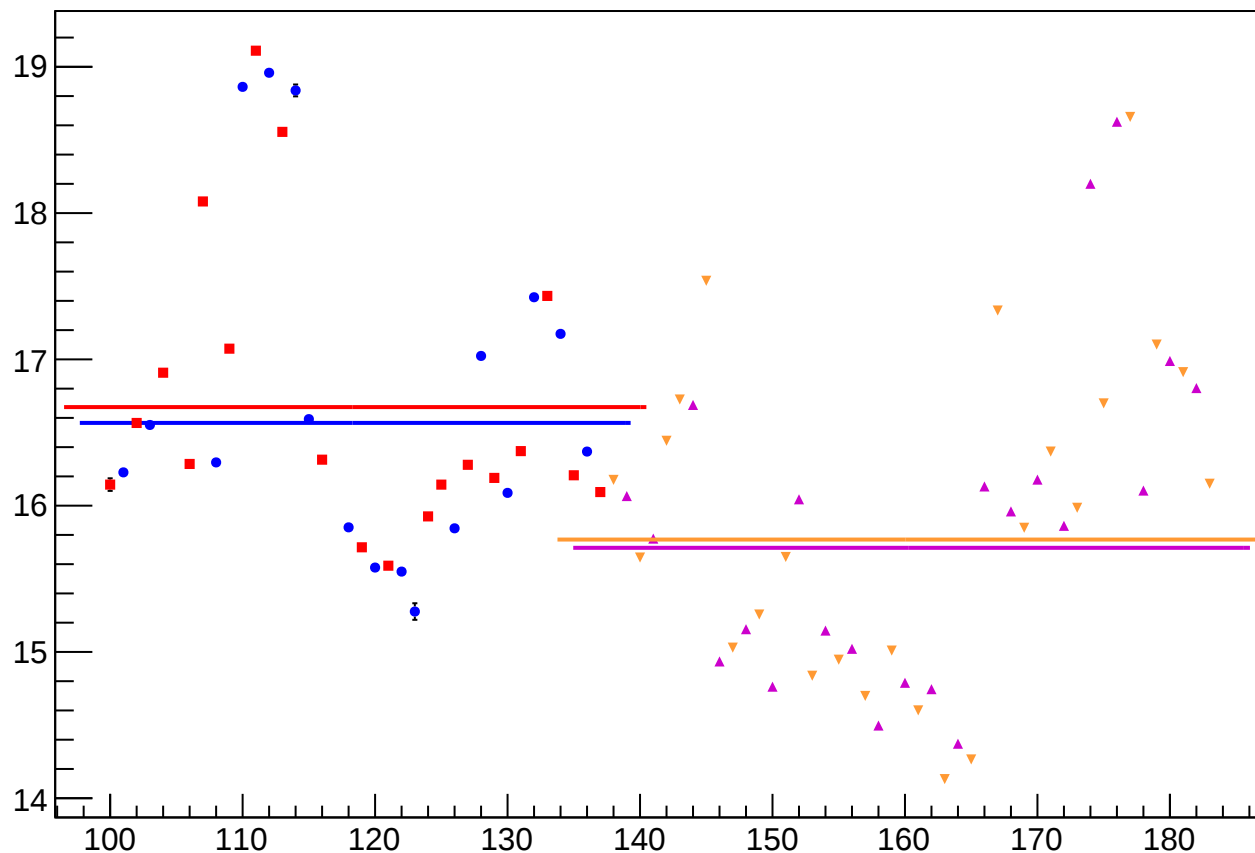
Left In: 5.801 $\pm$ 3.815 χ^2 /NDF:36.2/21

+ sign -2.032 $\pm$ 3.210 χ^2 /NDF: 20.8/40

All: 0.358 $\pm$ 2.287 χ^2 /NDF: 77.5/81

- sign 2.820 $\pm$ 3.258 χ^2 /NDF: 55.6/40

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.566 $\pm$ 0.005 χ^2 /NDF: 44242.8/16

Left Out: 15.768 $\pm$ 0.003 χ^2 /NDF:170821.0/23

Right Out: 16.674 $\pm$ 0.004 χ^2 /NDF: 42453.5/18

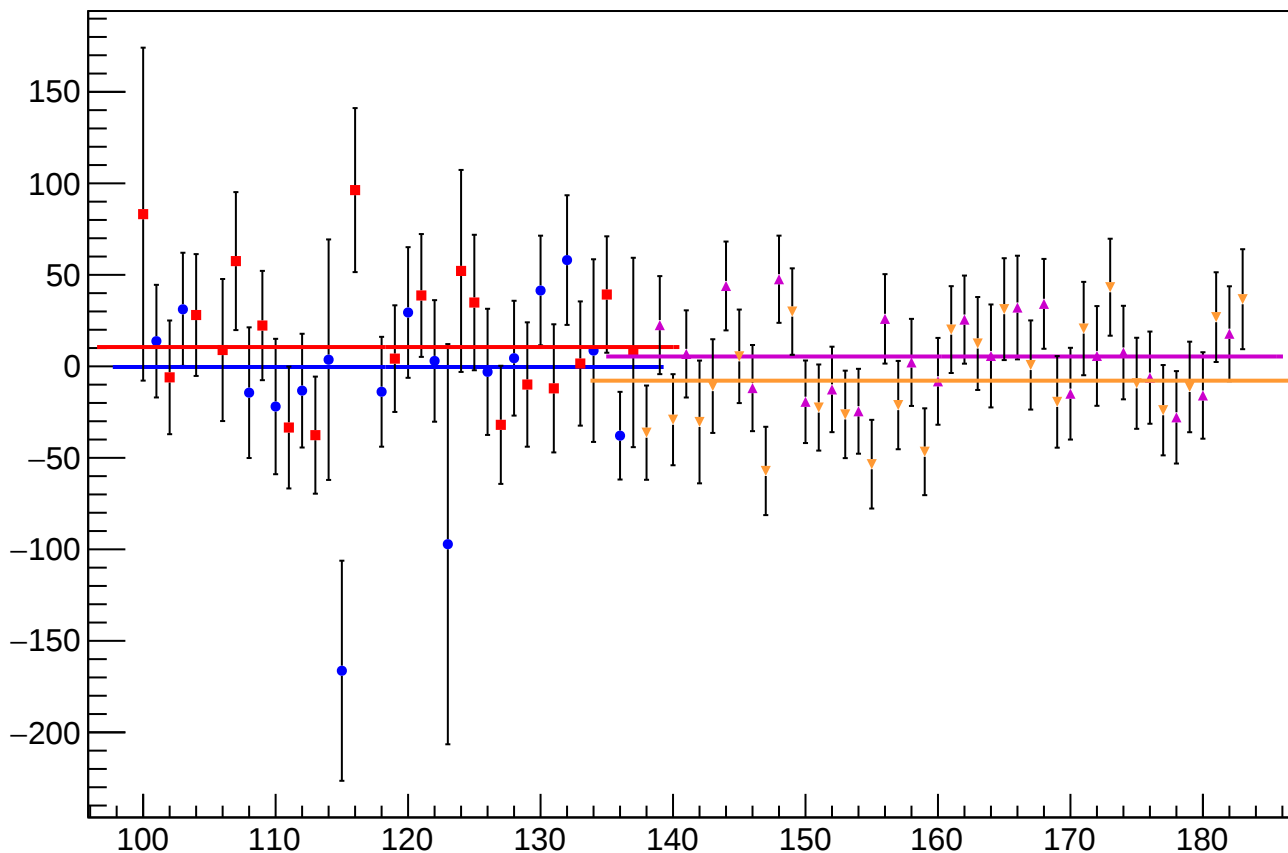
Left In: 15.712 $\pm$ 0.003 χ^2 /NDF:144117.2/21

+ sign 15.969 $\pm$ 0.002 χ^2 /NDF: 238282.5/40

All: 15.971 $\pm$ 0.002 χ^2 /NDF: 459307.8/81

- sign 15.972 $\pm$ 0.002 χ^2 /NDF: 221023.9/40

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -0.358 ± 8.465 χ^2/NDF : 18.4/16

Left Out: -7.824 ± 5.124 χ^2/NDF : 31.3/23

Right Out: 10.548 ± 8.187 χ^2/NDF : 15.7/18

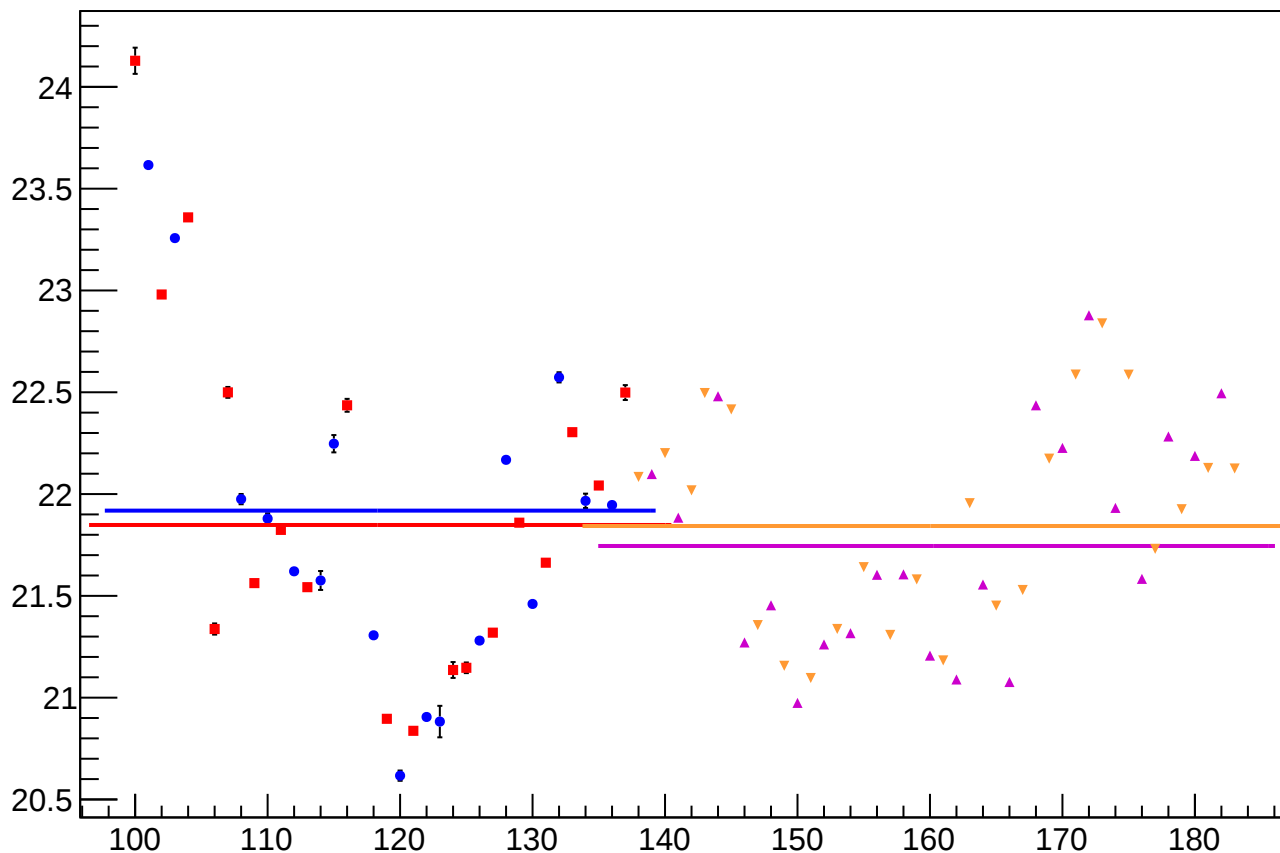
Left In: 5.384 ± 5.264 χ^2/NDF : 17.7/21

+ sign -5.822 ± 4.383 χ^2/NDF : 50.3/40

All: 0.472 ± 3.115 χ^2/NDF : 88.3/81

- sign 6.895 ± 4.428 χ^2/NDF : 33.8/40

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.919+/-0.006 χ^2/NDF : 17641.8/16

Left Out: 21.843+/-0.004 χ^2/NDF : 19249.2/23

Right Out: 21.848+/-0.006 χ^2/NDF : 16031.9/18

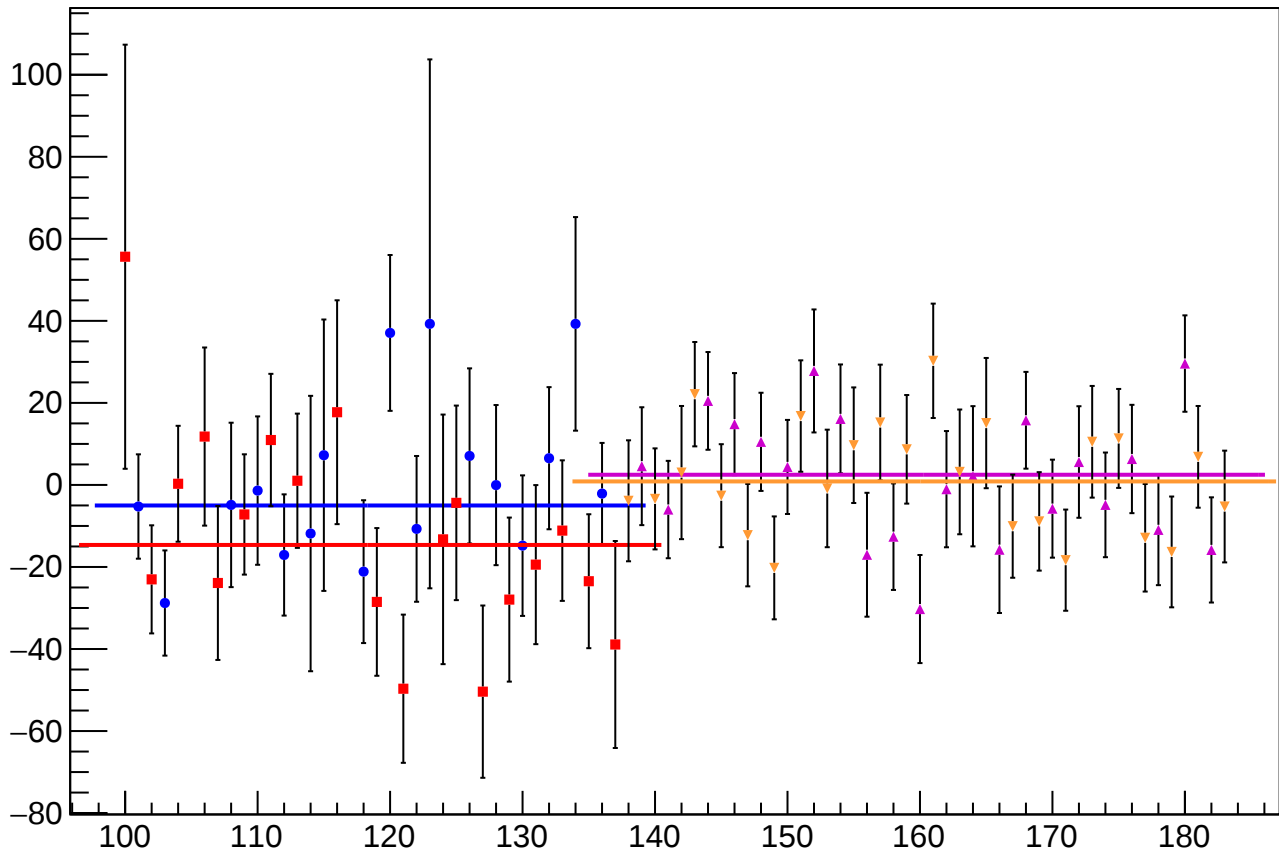
Left In: 21.745+/-0.004 χ^2/NDF : 20341.5/21

+ sign 21.863+/-0.003 χ^2/NDF : 37007.6/40

All: 21.820+/-0.002 χ^2/NDF : 74006.7/81

- sign 21.775+/-0.003 χ^2/NDF : 36598.1/40

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.010 ± 4.334 χ^2/NDF : 14.8/16

Left Out: 0.856 ± 2.721 χ^2/NDF : 23.7/23

Right Out: -14.630 ± 4.270 χ^2/NDF : 19.4/18

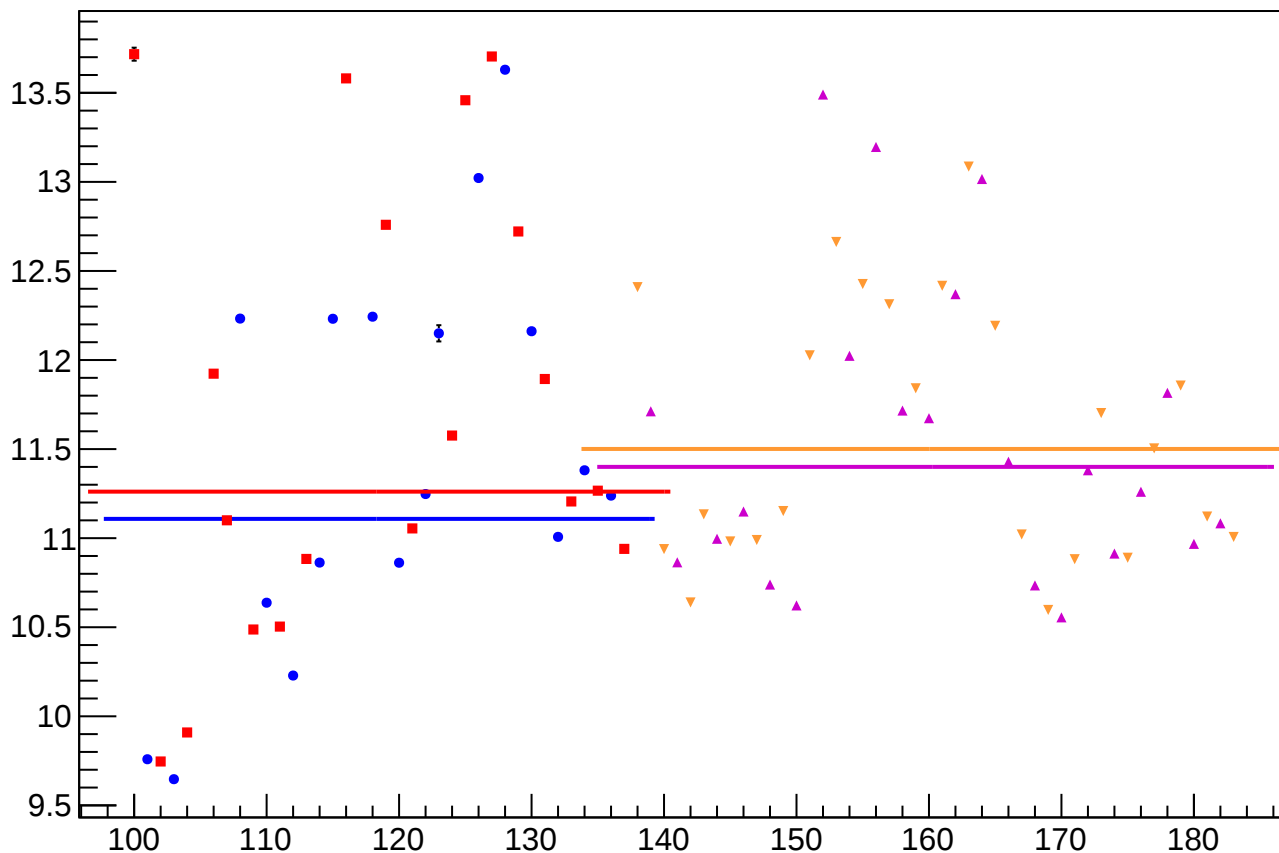
Left In: 2.483 ± 2.783 χ^2/NDF : 29.4/21

+ sign -0.802 ± 2.304 χ^2/NDF : 39.8/40

All: -1.699 ± 1.639 χ^2/NDF : 100.2/81

- sign -2.618 ± 2.331 χ^2/NDF : 60.1/40

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.108 $\pm$ 0.003 χ^2 /NDF: 132594.7/16

Left Out: 11.501 $\pm$ 0.002 χ^2 /NDF:125008.4/23

Right Out: 11.261 $\pm$ 0.003 χ^2 /NDF: 148448.6/18

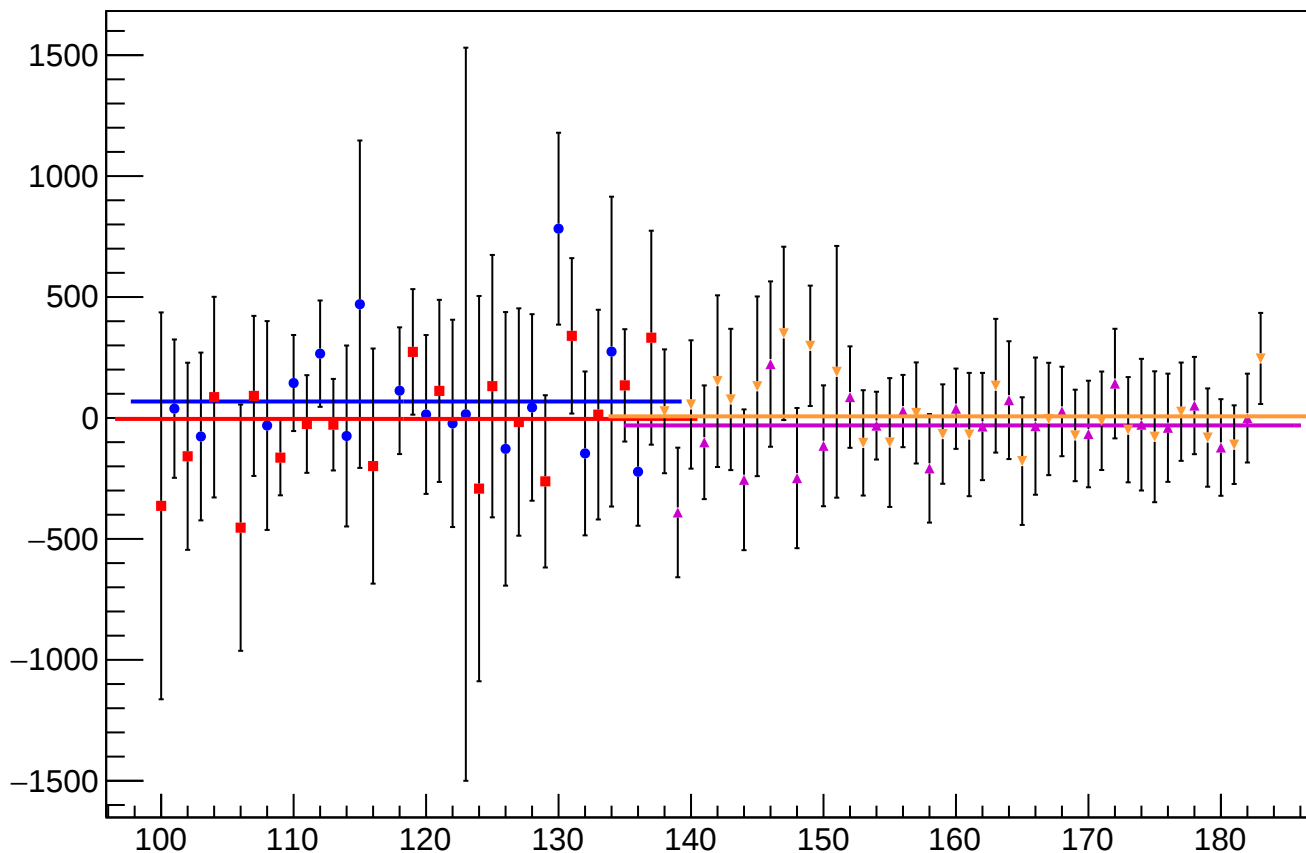
Left In: 11.400 $\pm$ 0.002 χ^2 /NDF:149616.3/21

+ sign 11.390 $\pm$ 0.002 χ^2 /NDF: 269371.2/40

All: 11.374 $\pm$ 0.001 χ^2 /NDF: 569103.5/81

- sign 11.359 $\pm$ 0.002 χ^2 /NDF: 299552.7/40

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 68.114 $\pm$ 79.449 χ^2 /NDF: 7.4/16

Left Out: 6.772 $\pm$ 48.314 χ^2 /NDF: 6.8/23

Right Out: -3.876 $\pm$ 70.195 χ^2 /NDF: 6.5/18

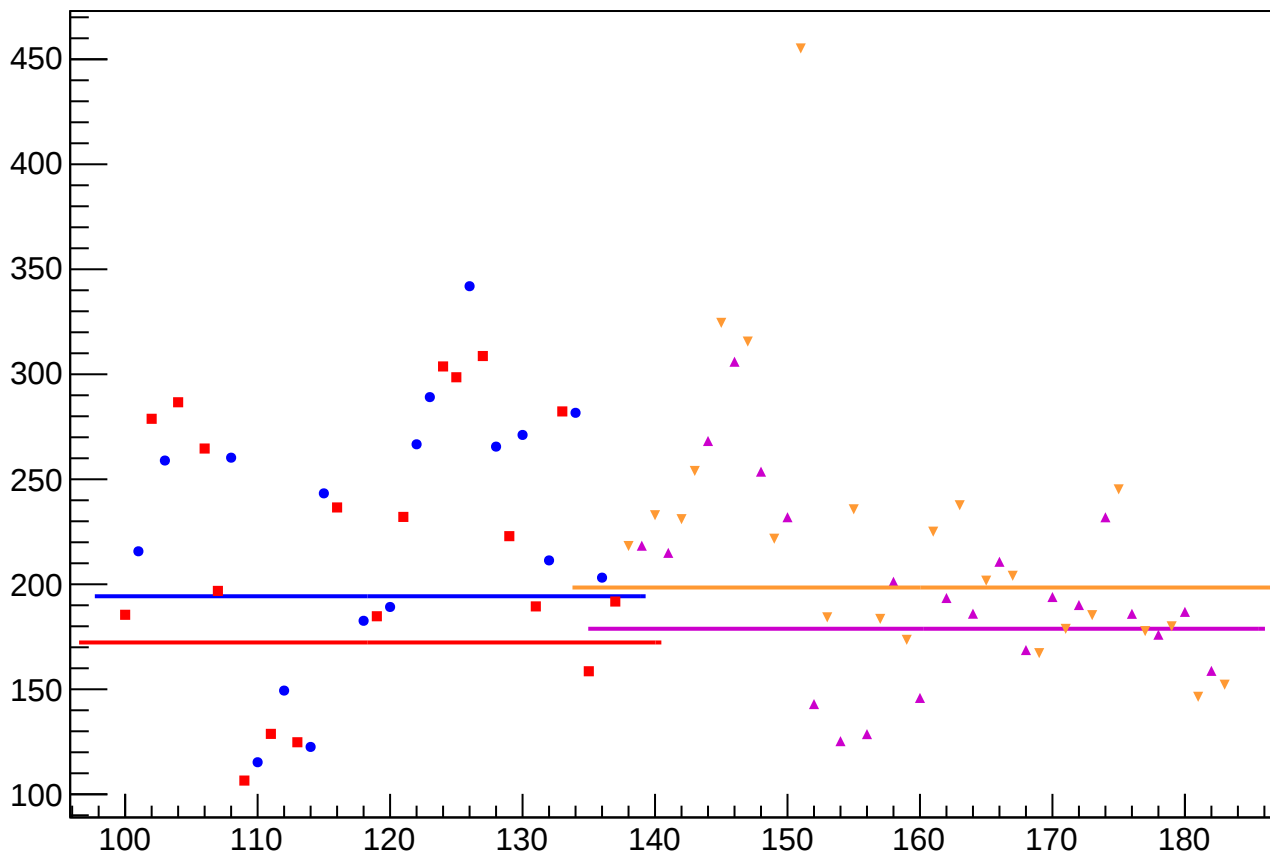
Left In: -30.758 $\pm$ 45.322 χ^2 /NDF: 6.3/21

+ sign 23.333 $\pm$ 41.280 χ^2 /NDF: 14.6/40

All: -1.620 $\pm$ 27.988 χ^2 /NDF: 28.2/81

- sign -22.849 $\pm$ 38.075 χ^2 /NDF: 12.9/40

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.298 $\pm$ 0.056 χ^2 /NDF: 1006214.8/16

Left Out: 198.464 $\pm$ 0.034 χ^2 /NDF: 1736339.8/23

Right Out: 172.293 $\pm$ 0.050 χ^2 /NDF: 1564135.2/18

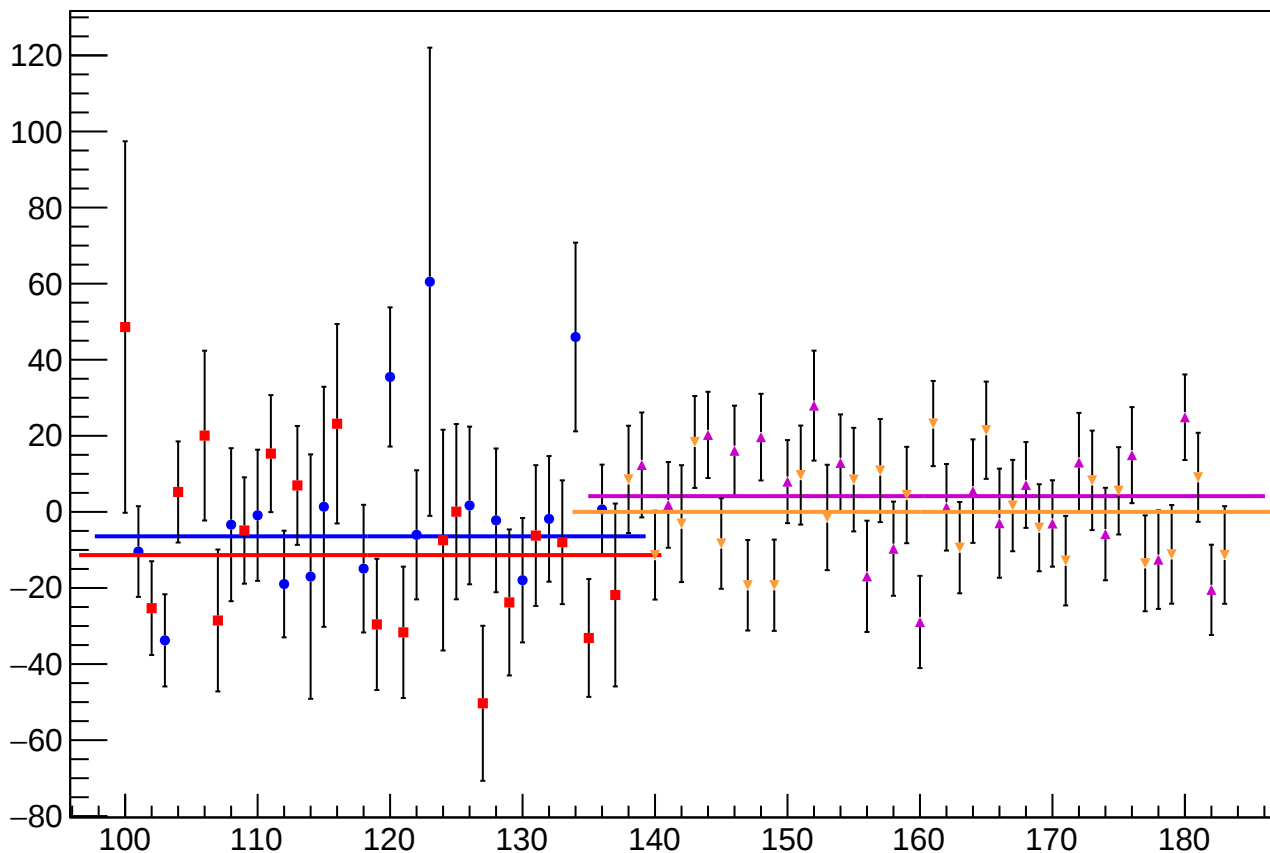
Left In: 178.824 $\pm$ 0.032 χ^2 /NDF: 1616302.2/21

+ sign 197.339 $\pm$ 0.029 χ^2 /NDF: 2746570.1/40

All: 186.297 $\pm$ 0.020 χ^2 /NDF: 6204103.0/81

- sign 176.902 $\pm$ 0.027 χ^2 /NDF: 3192655.7/40

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.419 ± 4.138 χ^2/NDF : 18.6/16

Left Out: 0.004 ± 2.543 χ^2/NDF : 24.1/23

Right Out: -11.351 ± 4.084 χ^2/NDF : 22.6/18

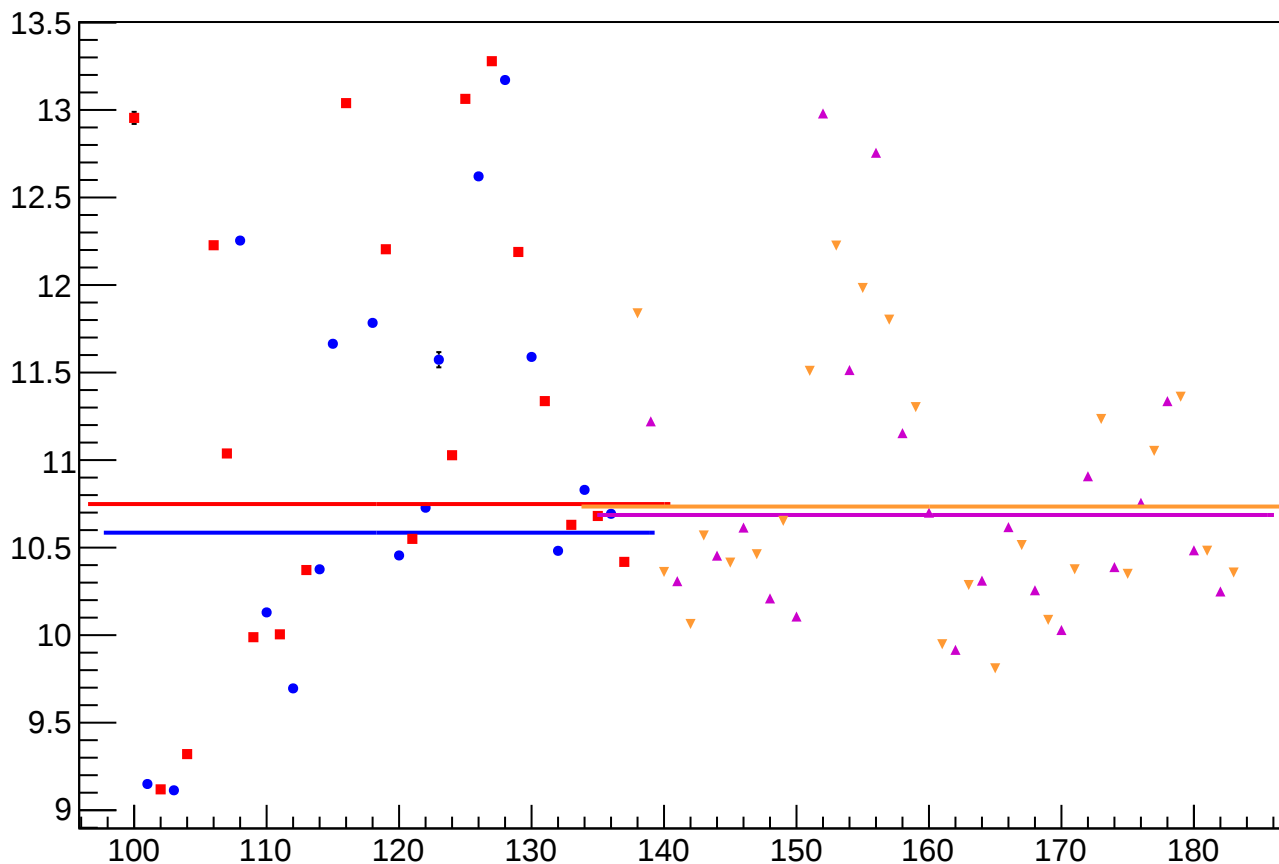
Left In: 4.142 ± 2.612 χ^2/NDF : 31.4/21

+ sign -1.757 ± 2.167 χ^2/NDF : 44.4/40

All: -1.067 ± 1.544 χ^2/NDF : 108.8/81

- sign -0.355 ± 2.200 χ^2/NDF : 64.2/40

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.585 ± 0.003 χ^2/NDF : 159813.8/16

Left Out: 10.735 ± 0.002 χ^2/NDF : 130395.7/23

Right Out: 10.749 ± 0.003 χ^2/NDF : 177905.9/18

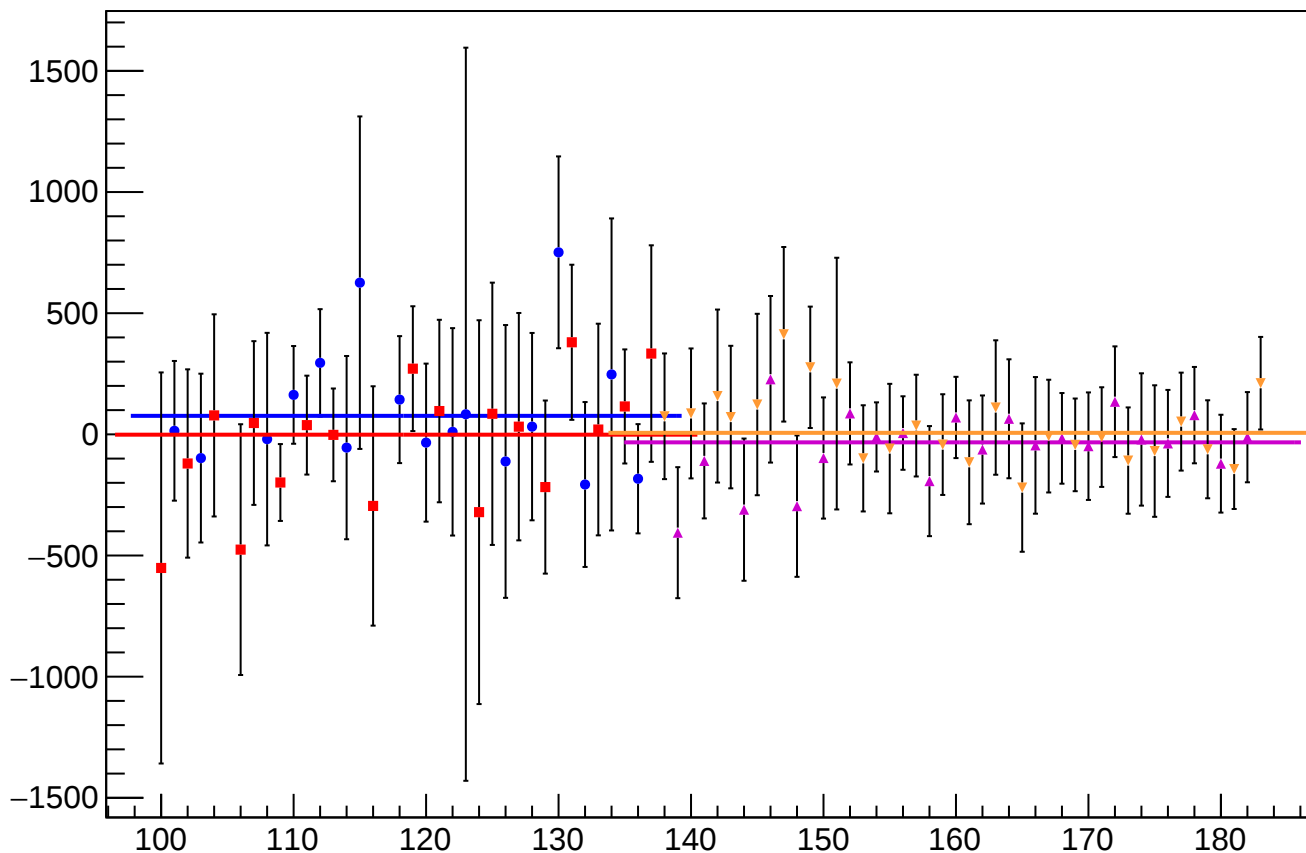
Left In: 10.686 ± 0.002 χ^2/NDF : 147593.3/21

+ sign 10.694 ± 0.002 χ^2/NDF : 292099.1/40

All: 10.699 ± 0.001 χ^2/NDF : 617954.4/81

- sign 10.705 ± 0.002 χ^2/NDF : 325830.7/40

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 76.396 $\pm$ 79.969 χ^2 /NDF: 7.6/16

Left Out: 6.269 $\pm$ 48.628 χ^2 /NDF: 7.1/23

Right Out: -1.355 $\pm$ 70.867 χ^2 /NDF: 7.4/18

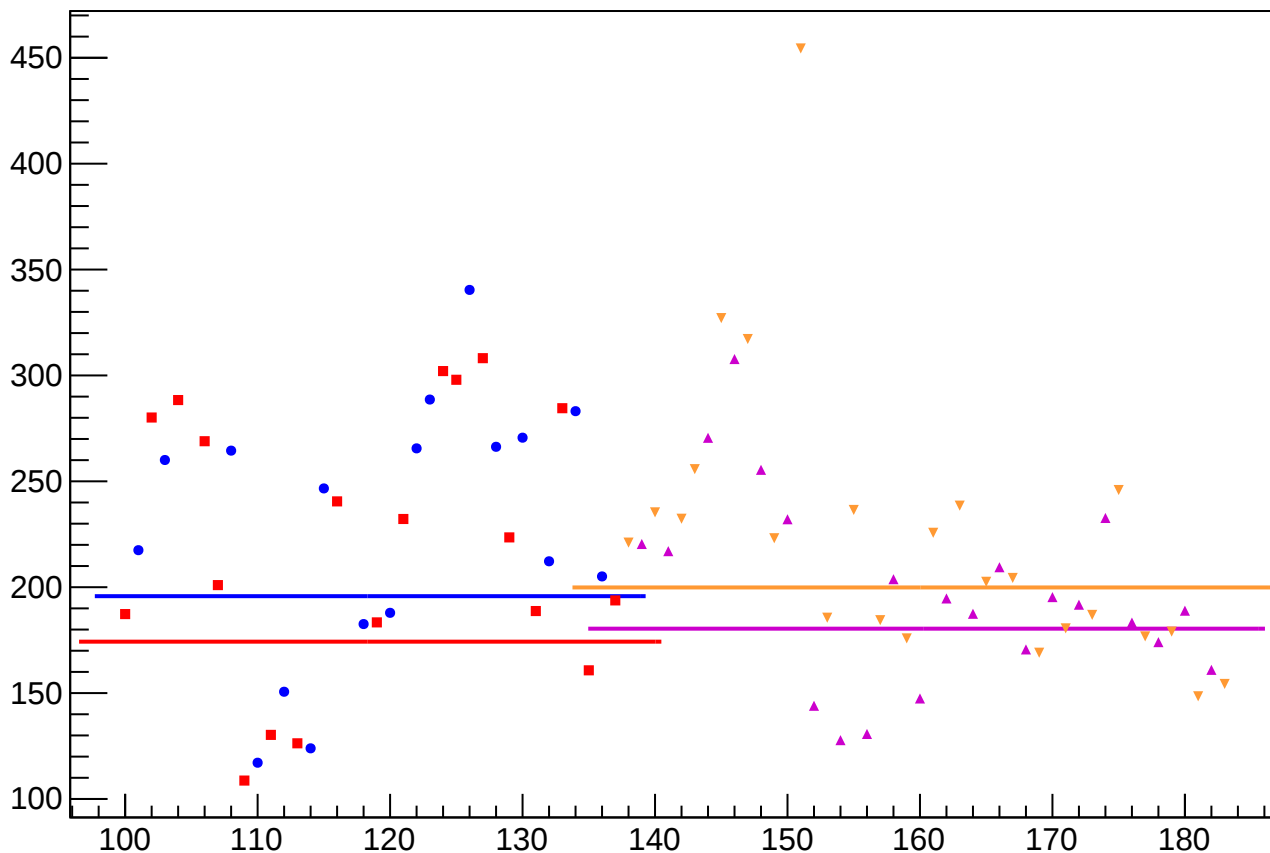
Left In: -33.005 $\pm$ 45.680 χ^2 /NDF: 6.9/21

+ sign 25.200 $\pm$ 41.549 χ^2 /NDF: 15.3/40

All: -1.185 $\pm$ 28.199 χ^2 /NDF: 30.4/81

- sign -23.715 $\pm$ 38.395 χ^2 /NDF: 14.4/40

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.766 $\pm$ 0.057 χ^2 /NDF: 980914.1/16

Left Out: 199.885 $\pm$ 0.034 χ^2 /NDF: 1710964.3/23

Right Out: 174.286 $\pm$ 0.050 χ^2 /NDF: 1523733.5/18

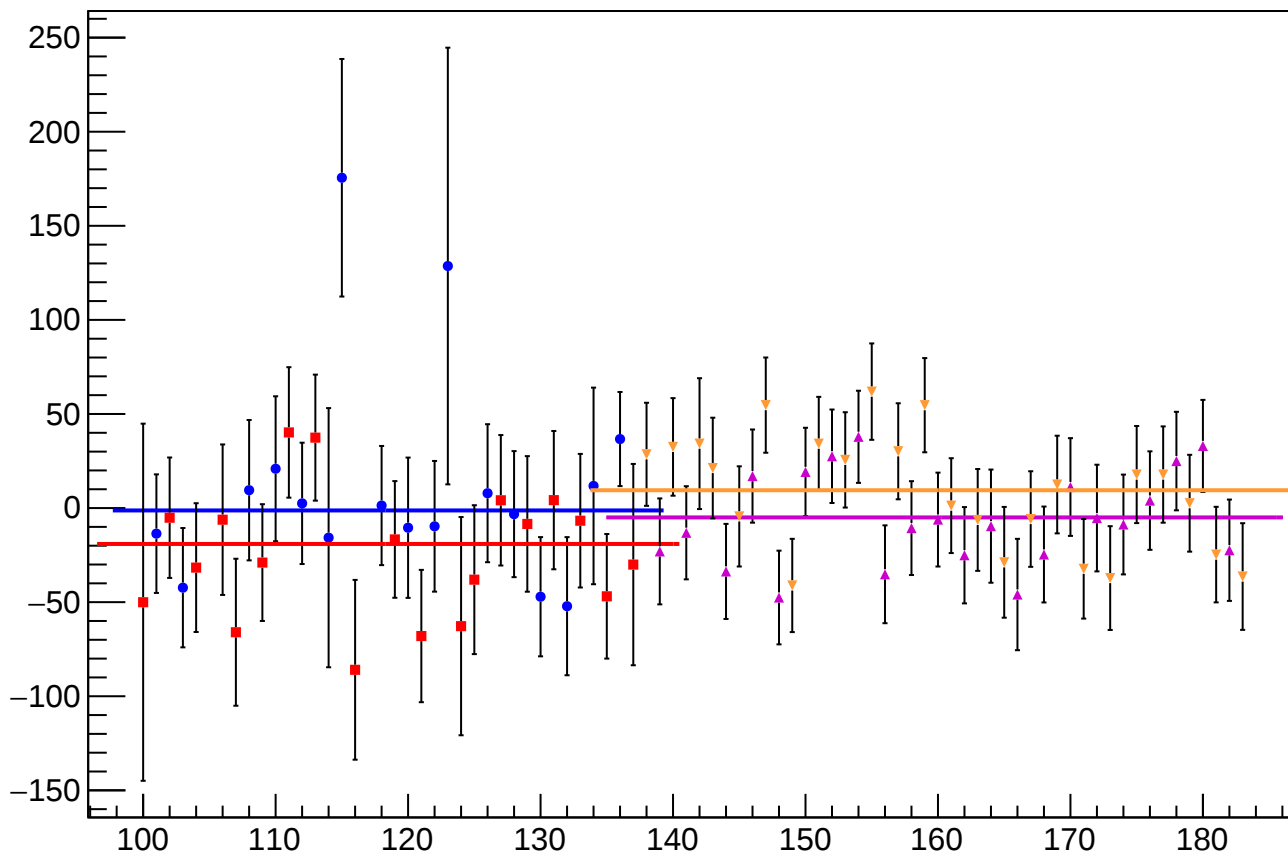
Left In: 180.420 $\pm$ 0.032 χ^2 /NDF: 1568692.6/21

+ sign 198.773 $\pm$ 0.029 χ^2 /NDF: 2695752.7/40

All: 187.902 $\pm$ 0.020 χ^2 /NDF: 6052580.0/81

- sign 178.619 $\pm$ 0.027 χ^2 /NDF: 3103013.1/40

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.260 ± 8.846 $\chi^2/\text{NDF}: 18.0/16$

Left Out: 9.475 ± 5.369 $\chi^2/\text{NDF}: 31.7/23$

Right Out: -19.071 ± 8.572 $\chi^2/\text{NDF}: 14.4/18$

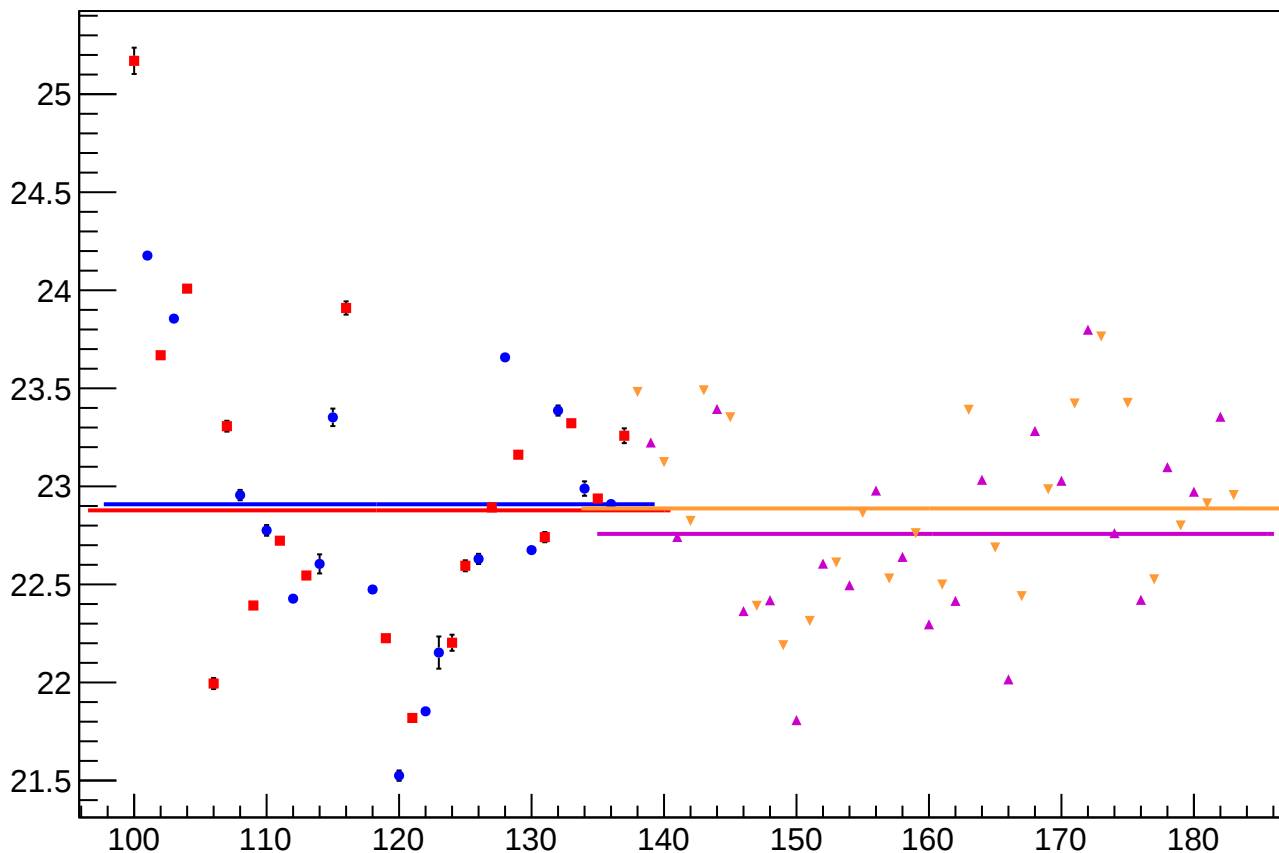
Left In: -4.971 ± 5.510 $\chi^2/\text{NDF}: 20.6/21$

+ sign 6.585 ± 4.590 $\chi^2/\text{NDF}: 50.7/40$

All: -1.178 ± 3.261 $\chi^2/\text{NDF}: 93.4/81$

- sign -9.093 ± 4.635 $\chi^2/\text{NDF}: 36.9/40$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.909 $\pm$ 0.006 χ^2 /NDF: 12270.5/16

Left Out: 22.887 $\pm$ 0.004 χ^2 /NDF: 12890.8/23

Right Out: 22.878 $\pm$ 0.006 χ^2 /NDF: 11094.4/18

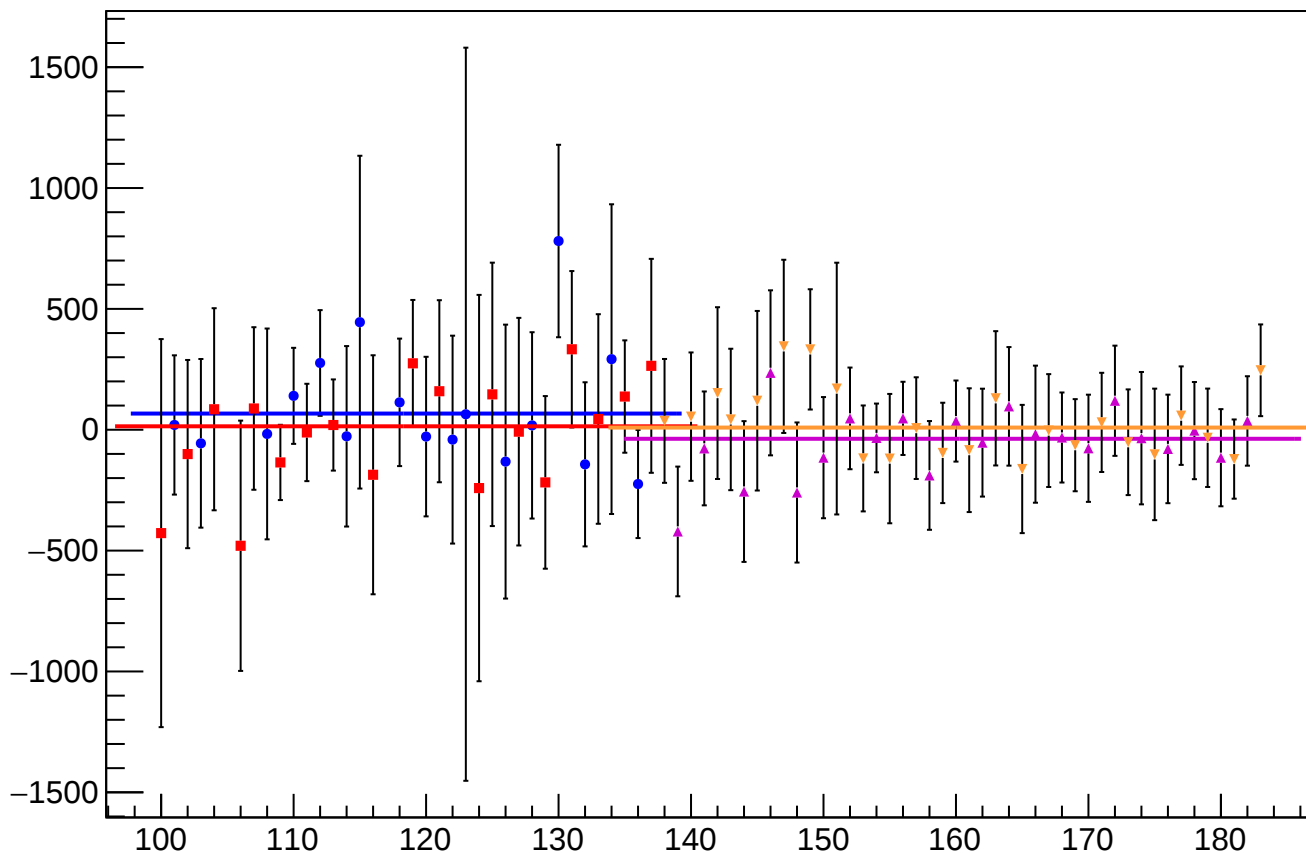
Left In: 22.758 $\pm$ 0.004 χ^2 /NDF: 14505.5/21

+ sign 22.893 $\pm$ 0.003 χ^2 /NDF: 25169.6/40

All: 22.843 $\pm$ 0.002 χ^2 /NDF: 51521.4/81

- sign 22.793 $\pm$ 0.003 χ^2 /NDF: 25877.4/40

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.962 ± 79.625 χ^2/NDF : 7.3/16

Left Out: 8.992 ± 48.551 χ^2/NDF : 7.2/23

Right Out: 14.253 ± 70.367 χ^2/NDF : 5.8/18

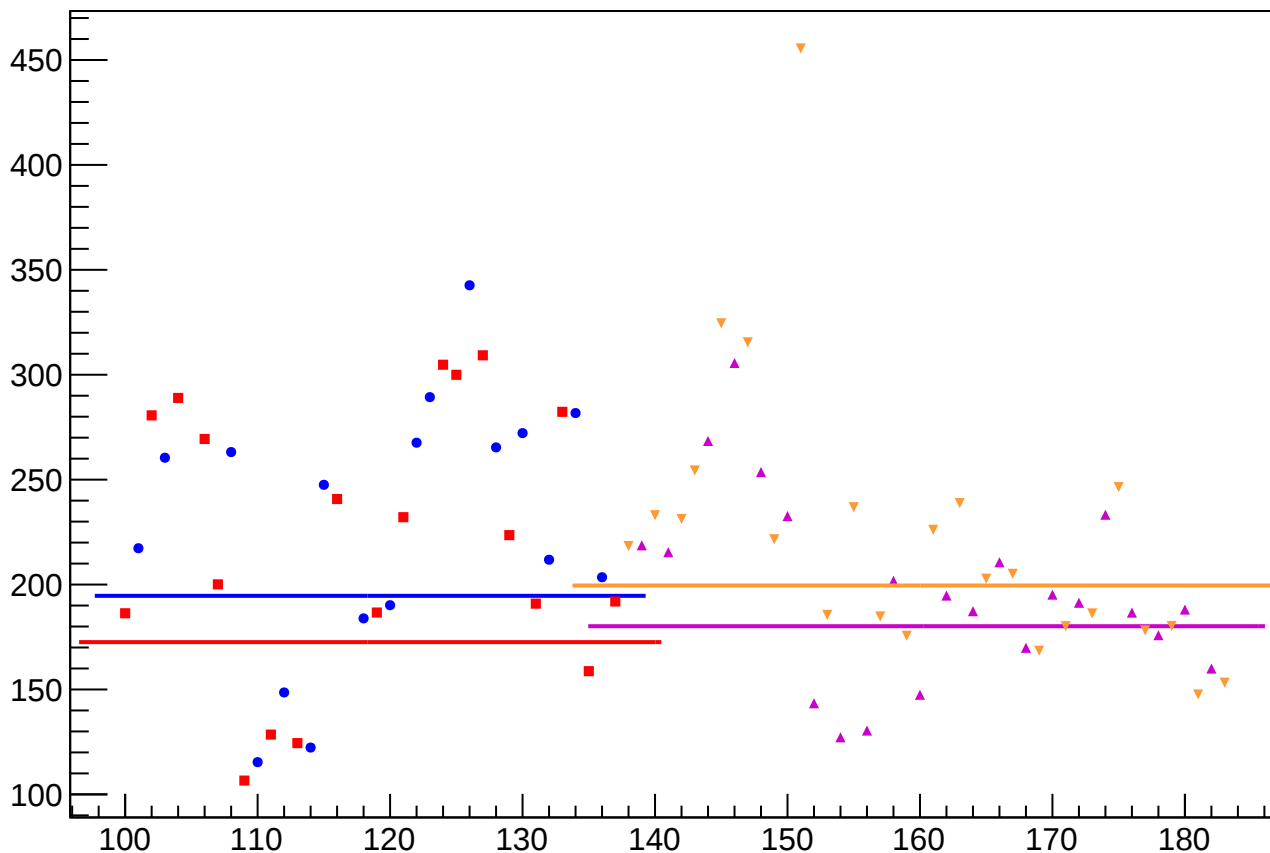
Left In: -37.392 ± 45.616 χ^2/NDF : 6.3/21

+ sign 24.704 ± 41.453 χ^2/NDF : 15.0/40

All: -0.566 ± 28.122 χ^2/NDF : 28.1/81

- sign -22.111 ± 38.277 χ^2/NDF : 12.4/40

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.633 ± 0.056 χ^2/NDF : 1020982.9/16

Left Out: 199.554 ± 0.034 χ^2/NDF : 1707626.3/23

Right Out: 172.571 ± 0.050 χ^2/NDF : 1591230.2/18

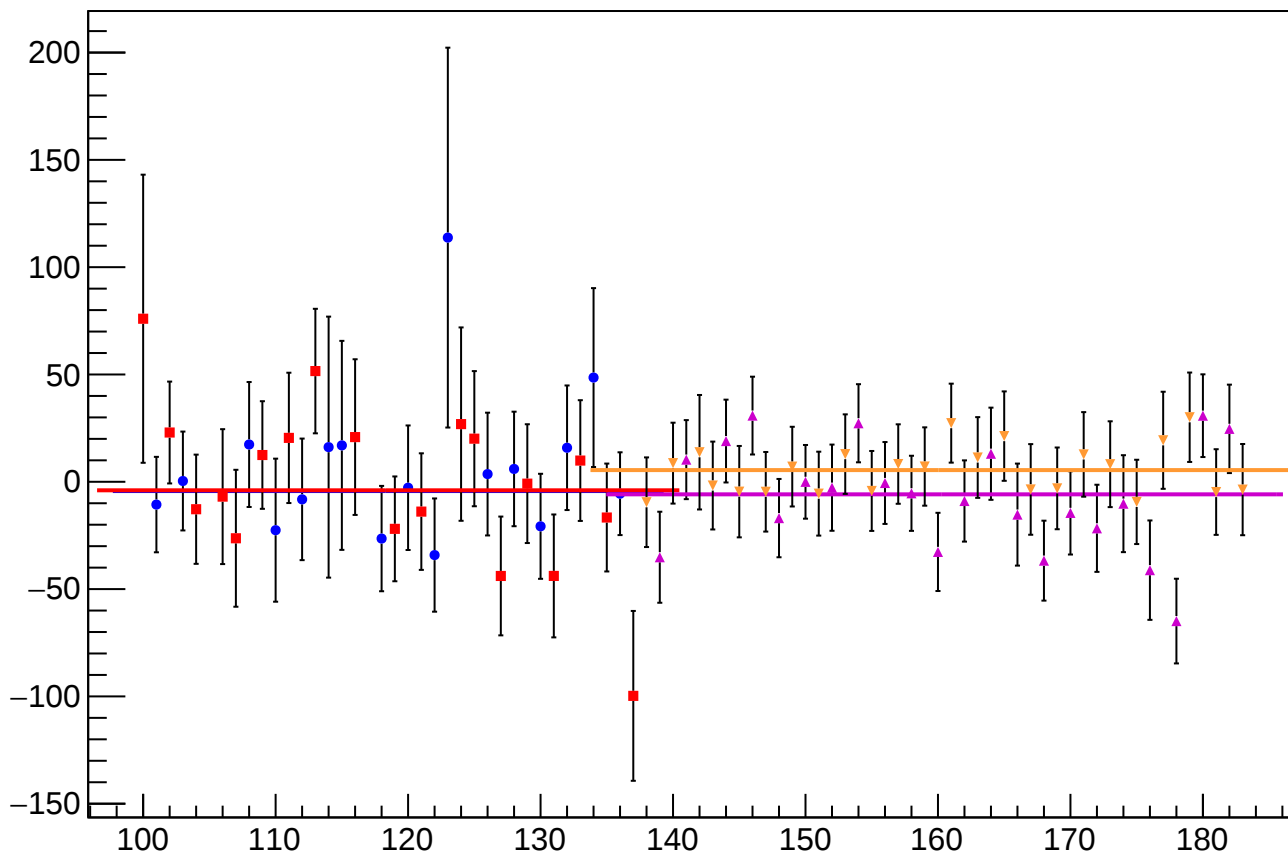
Left In: 180.157 ± 0.032 χ^2/NDF : 1563051.1/21

+ sign 198.220 ± 0.029 χ^2/NDF : 2734178.4/40

All: 187.258 ± 0.020 χ^2/NDF : 6163939.3/81

- sign 177.912 ± 0.027 χ^2/NDF : 3170647.2/40

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.314 ± 6.887 χ^2/NDF : 7.9/16

Left Out: 5.449 ± 4.049 χ^2/NDF : 7.5/23

Right Out: -3.970 ± 6.740 χ^2/NDF : 20.7/18

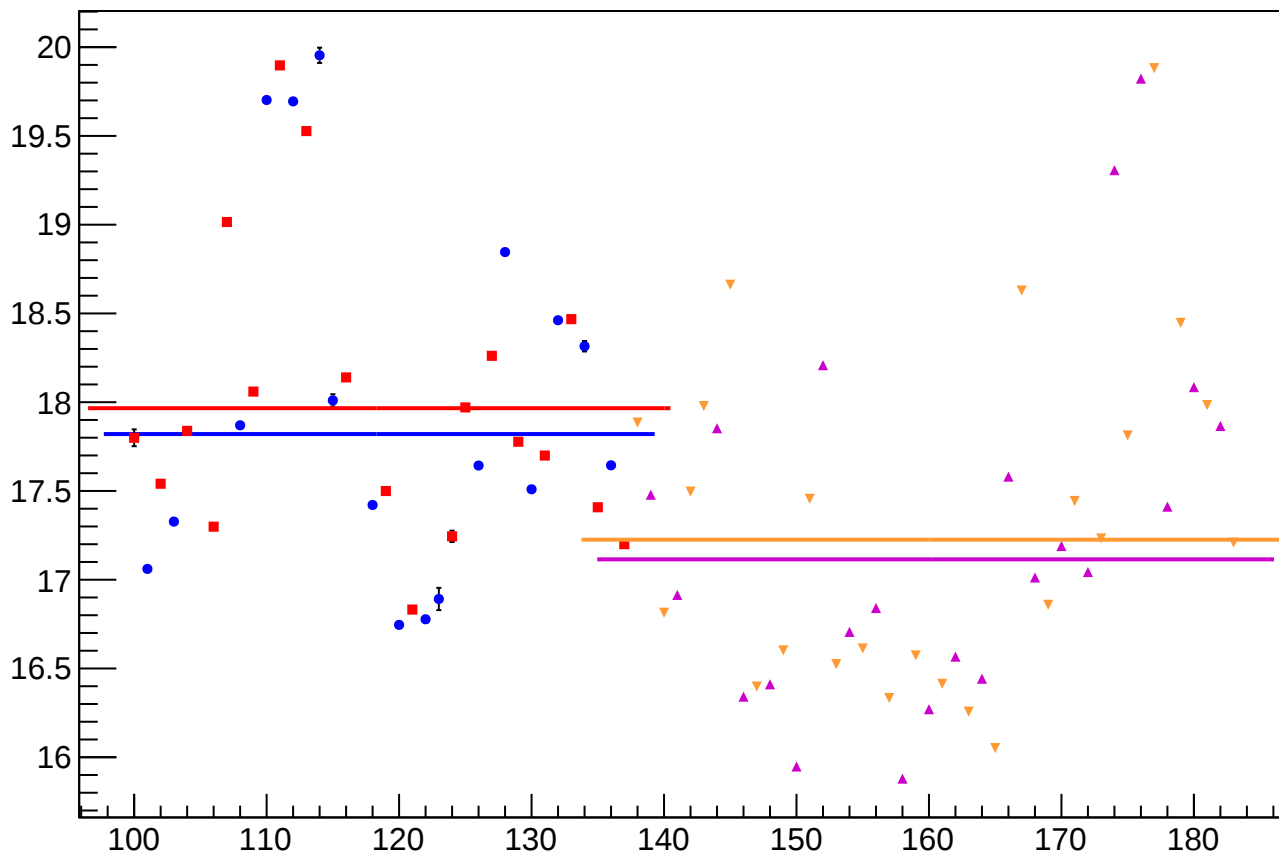
Left In: -5.849 ± 4.154 χ^2/NDF : 36.1/21

+ sign 2.941 ± 3.491 χ^2/NDF : 16.9/40

All: -1.142 ± 2.484 χ^2/NDF : 76.6/81

- sign -5.332 ± 3.536 χ^2/NDF : 56.9/40

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.821 $\pm$ 0.005 χ^2 /NDF: 32283.6/16

Left Out: 17.225 $\pm$ 0.003 χ^2 /NDF: 98220.5/23

Right Out: 17.966 $\pm$ 0.005 χ^2 /NDF: 25320.4/18

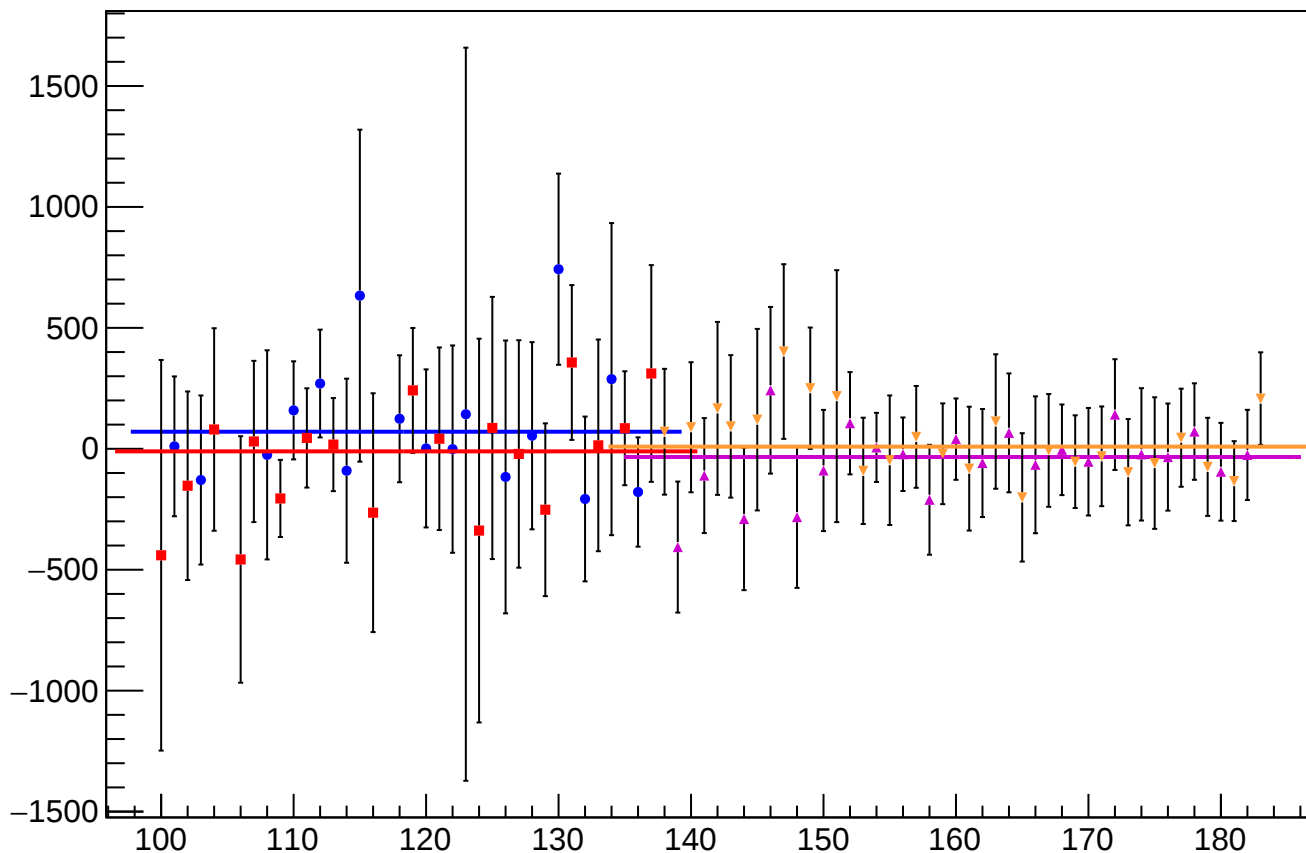
Left In: 17.115 $\pm$ 0.003 χ^2 /NDF: 100122.8/21

+ sign 17.378 $\pm$ 0.002 χ^2 /NDF: 141603.4/40

All: 17.364 $\pm$ 0.002 χ^2 /NDF: 290253.6/81

- sign 17.349 $\pm$ 0.003 χ^2 /NDF: 148580.6/40

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 70.603+/-80.168 χ^2/NDF : 7.4/16

Left Out: 8.993+/-48.738 χ^2/NDF : 6.4/23

Right Out: -10.558+/-71.025 χ^2/NDF : 6.7/18

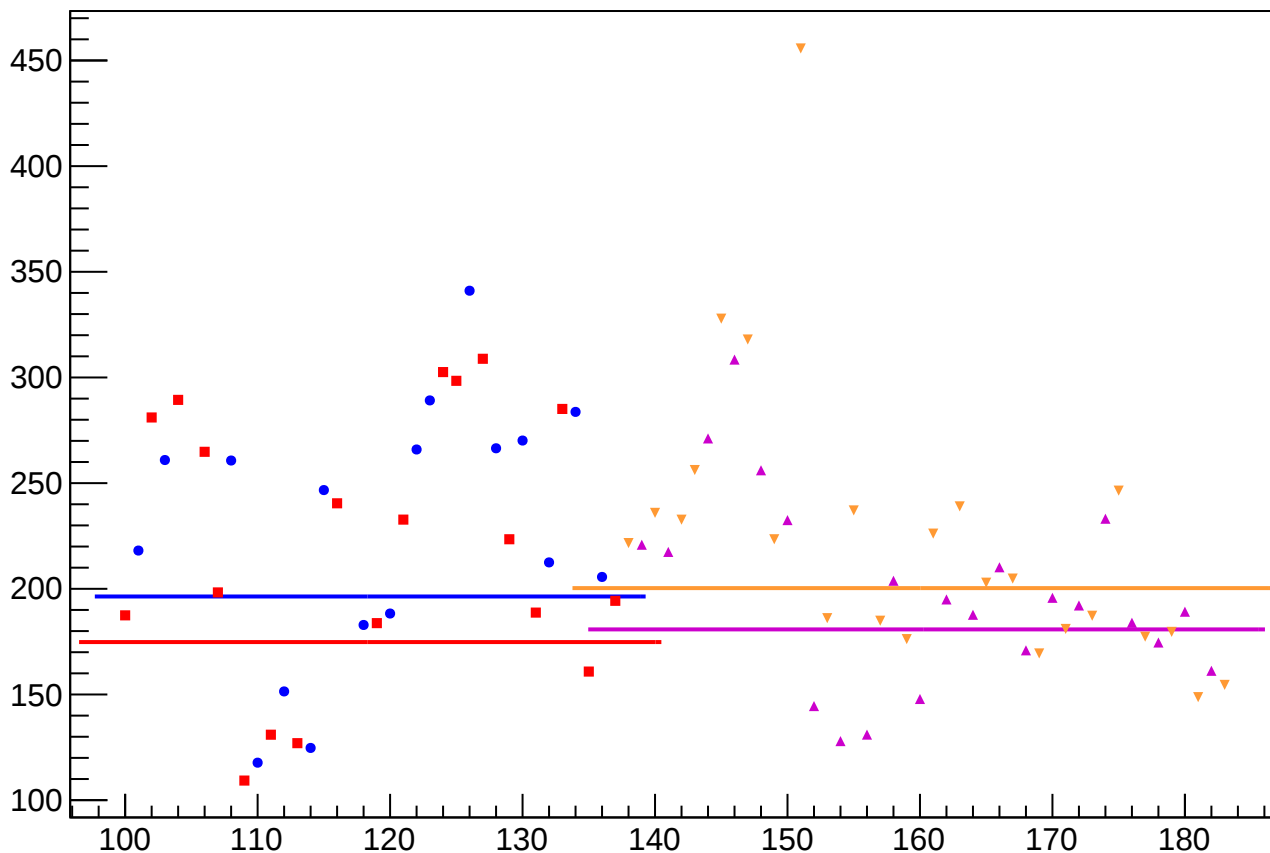
Left In: -33.971+/-45.774 χ^2/NDF : 6.7/21

+ sign 25.619+/-41.646 χ^2/NDF : 14.3/40

All: -2.823+/-28.261 χ^2/NDF : 28.6/81

- sign -27.100+/-38.476 χ^2/NDF : 13.5/40

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.369 ± 0.057 χ^2/NDF : 965962.8/16

Left Out: 200.331 ± 0.034 χ^2/NDF : 1711799.9/23

Right Out: 174.800 ± 0.050 χ^2/NDF : 1506075.3/18

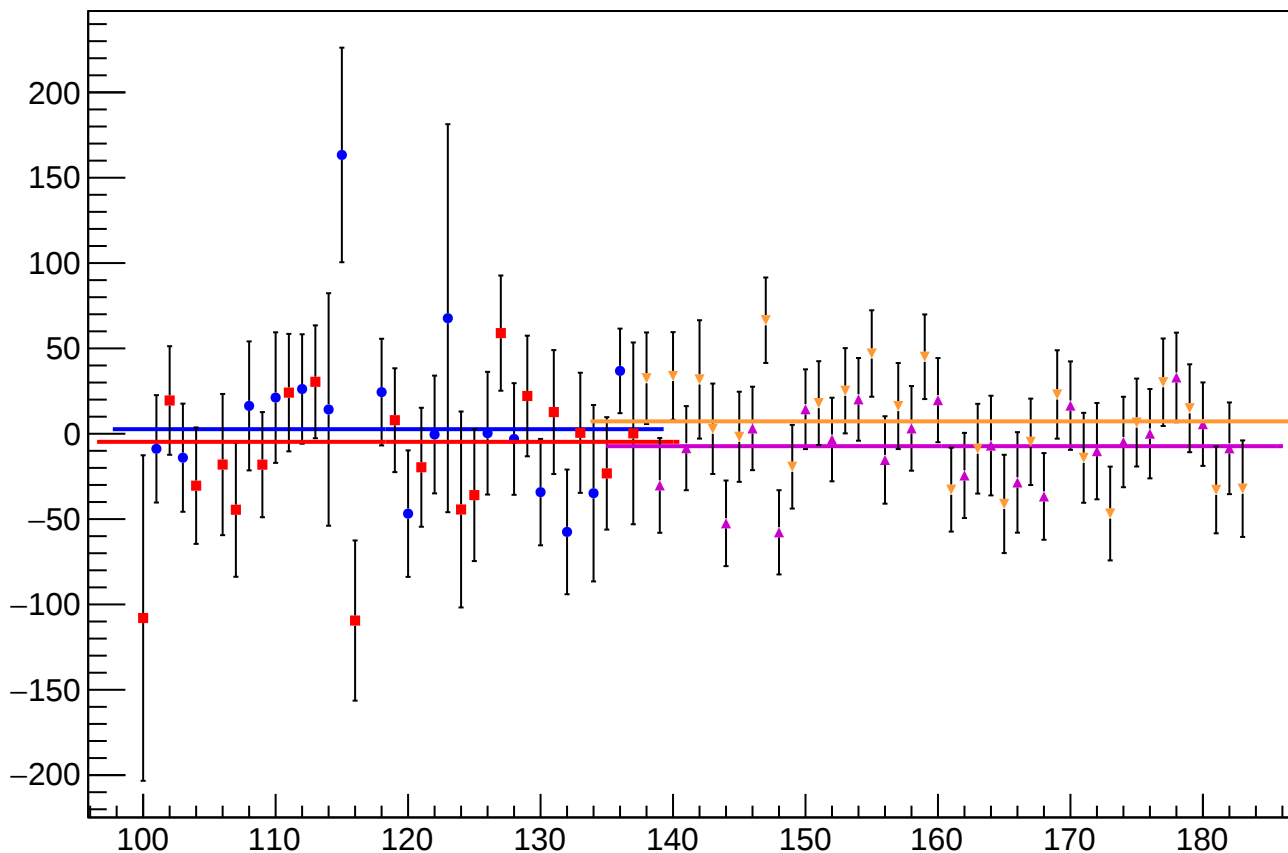
Left In: 180.794 ± 0.032 χ^2/NDF : 1568508.1/21

+ sign 199.262 ± 0.029 χ^2/NDF : 2681329.2/40

All: 188.349 ± 0.020 χ^2/NDF : 6020506.4/81

- sign 179.035 ± 0.027 χ^2/NDF : 3084645.4/40

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.676 ± 8.772 χ^2/NDF : 17.1/16

Left Out: 7.263 ± 5.319 χ^2/NDF : 31.3/23

Right Out: -4.736 ± 8.496 χ^2/NDF : 16.6/18

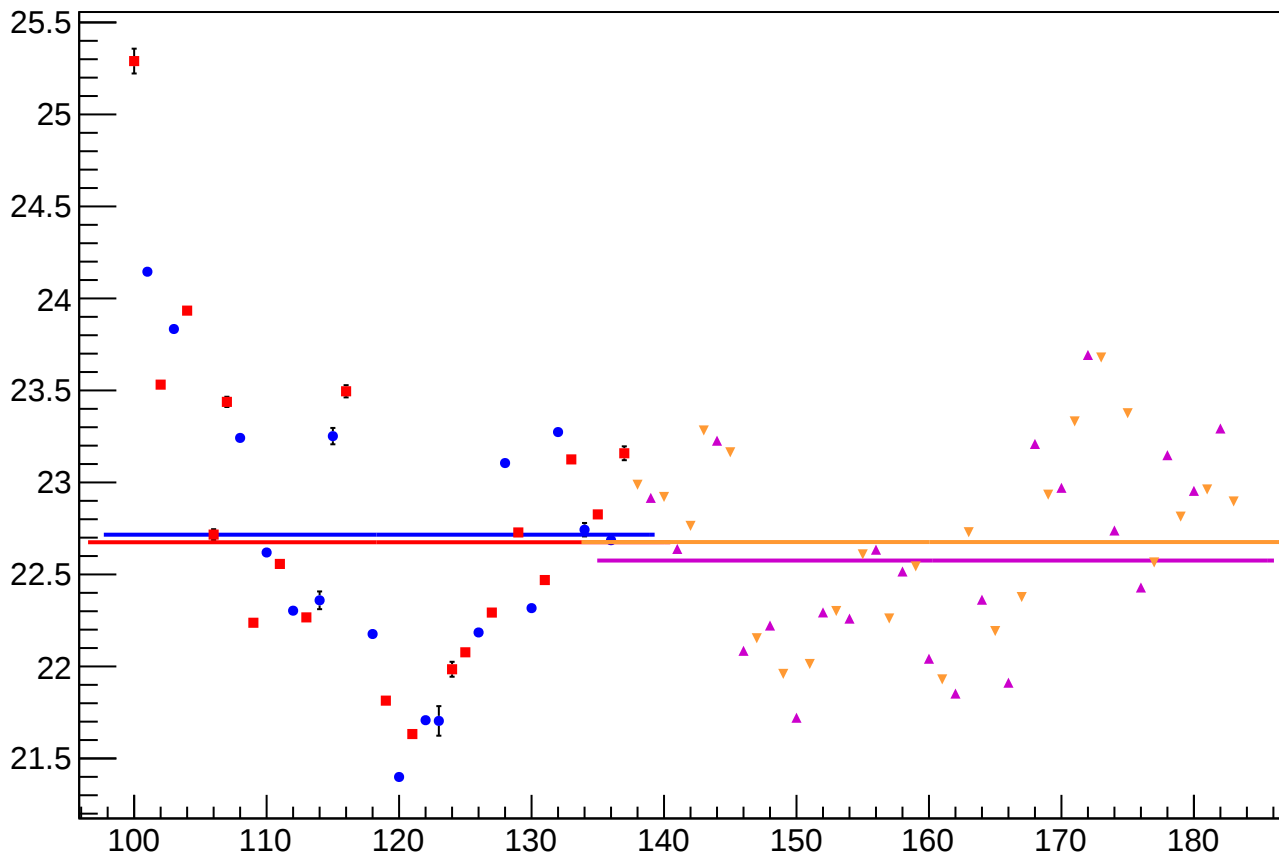
Left In: -7.280 ± 5.465 χ^2/NDF : 17.9/21

+ sign 6.030 ± 4.548 χ^2/NDF : 48.6/40

All: -0.187 ± 3.233 χ^2/NDF : 86.9/81

- sign -6.535 ± 4.596 χ^2/NDF : 34.6/40

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.716 $\pm$ 0.006 χ^2 /NDF: 14058.2/16

Left Out: 22.676 $\pm$ 0.004 χ^2 /NDF:16042.5/23

Right Out: 22.675 $\pm$ 0.006 χ^2 /NDF: 12796.3/18

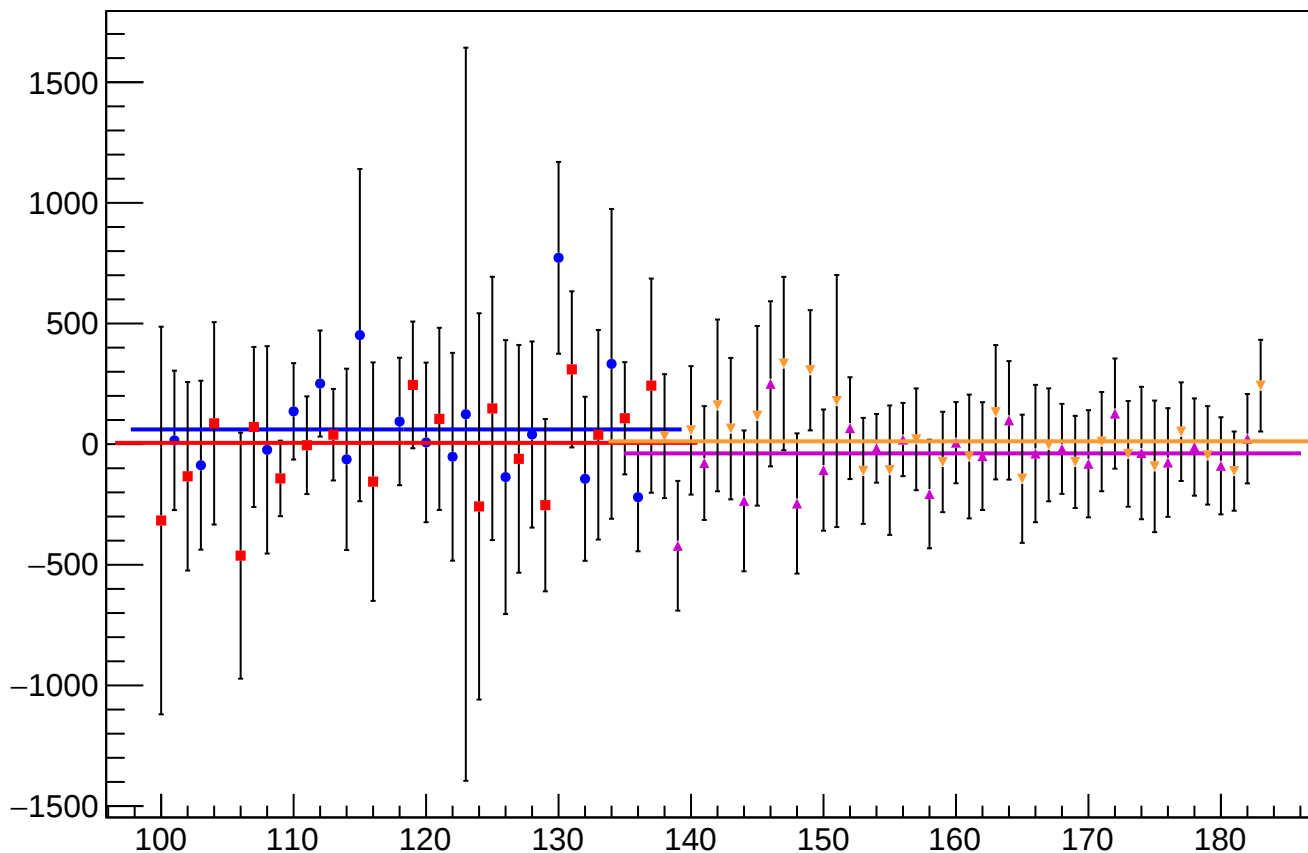
Left In: 22.576 $\pm$ 0.004 χ^2 /NDF:17765.0/21

+ sign 22.687 $\pm$ 0.003 χ^2 /NDF: 30131.0/40

All: 22.646 $\pm$ 0.002 χ^2 /NDF: 61209.2/81

- sign 22.605 $\pm$ 0.003 χ^2 /NDF: 30755.0/40

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.977 $\pm$ 79.827 χ^2 /NDF: 7.1/16

Left Out: 11.782 $\pm$ 48.660 χ^2 /NDF: 6.5/23

Right Out: 5.234 $\pm$ 70.529 χ^2 /NDF: 5.2/18

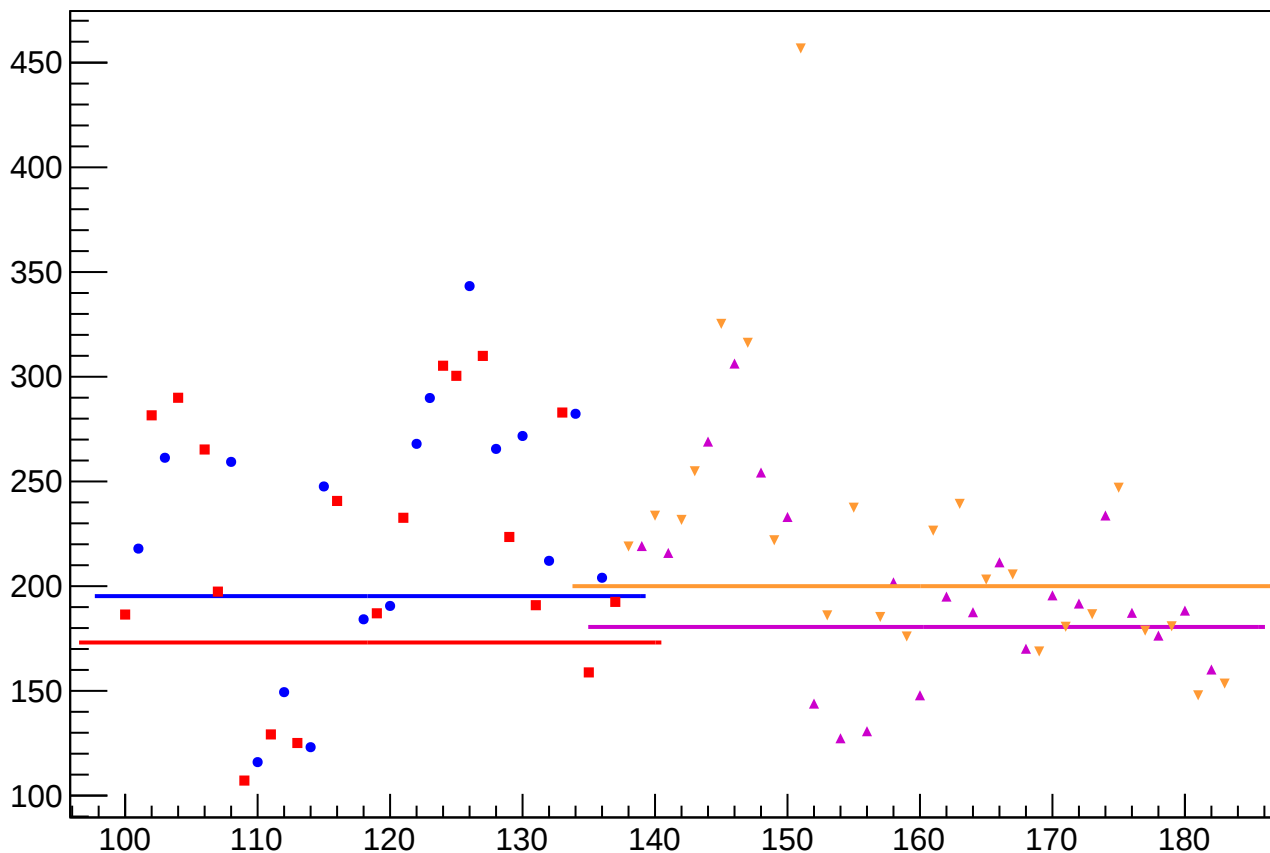
Left In: -38.321 $\pm$ 45.710 χ^2 /NDF: 5.9/21

+ sign 25.109 $\pm$ 41.549 χ^2 /NDF: 13.9/40

All: -2.179 $\pm$ 28.184 χ^2 /NDF: 26.1/81

- sign -25.438 $\pm$ 38.359 χ^2 /NDF: 11.4/40

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.248 $\pm$ 0.056 χ^2 /NDF: 1005332.5/16

Left Out: 200.000 $\pm$ 0.034 χ^2 /NDF:1708511.0/23

Right Out: 173.101 $\pm$ 0.050 χ^2 /NDF: 1572691.1/18

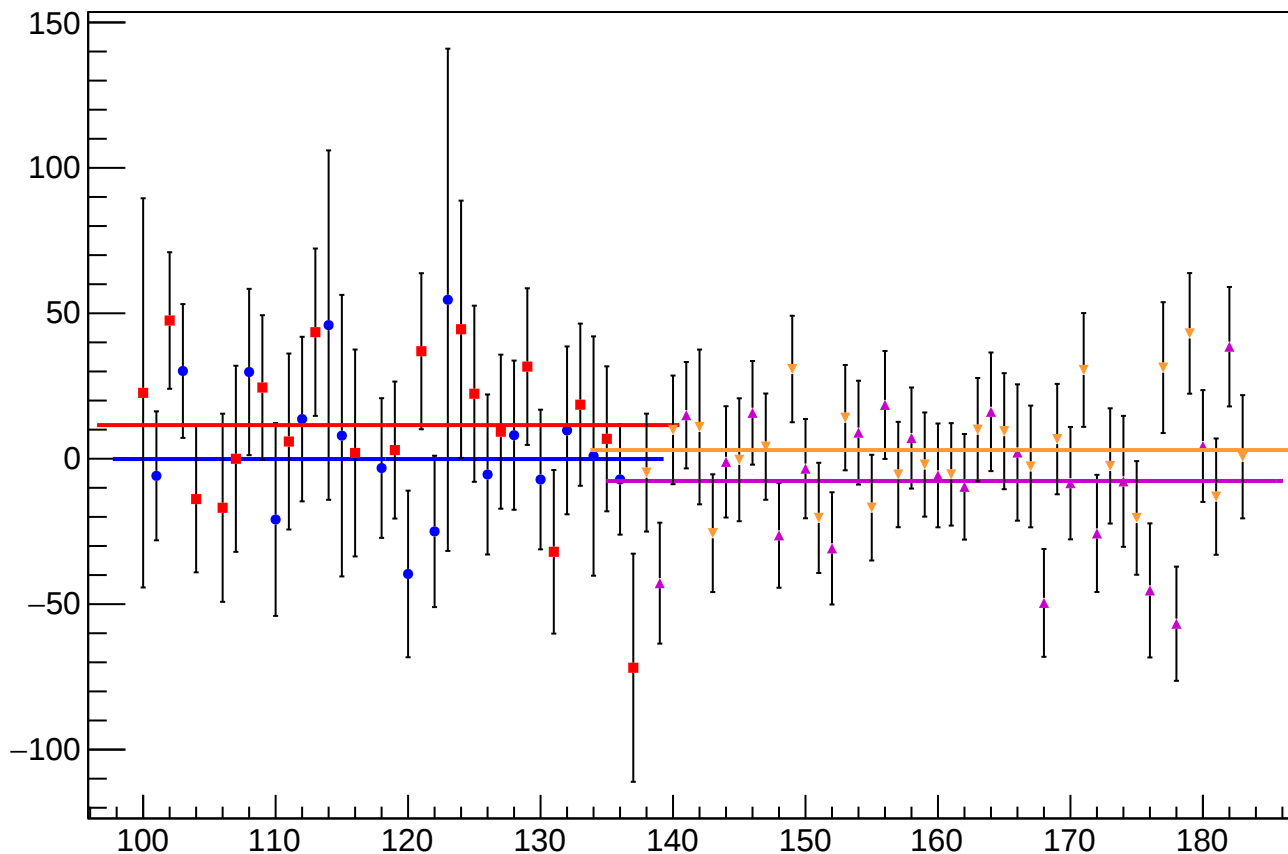
Left In: 180.527 $\pm$ 0.032 χ^2 /NDF:1563095.3/21

+ sign 198.713 $\pm$ 0.029 χ^2 /NDF: 2719010.4/40

All: 187.709 $\pm$ 0.020 χ^2 /NDF: 6130230.8/81

- sign 178.331 $\pm$ 0.027 χ^2 /NDF: 3151401.6/40

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.111 $\pm$ 6.786 χ^2/NDF : 7.9/16

Left Out: 2.978 $\pm$ 3.978 χ^2/NDF :18.2/23

Right Out: 11.560 $\pm$ 6.642 χ^2/NDF : 15.2/18

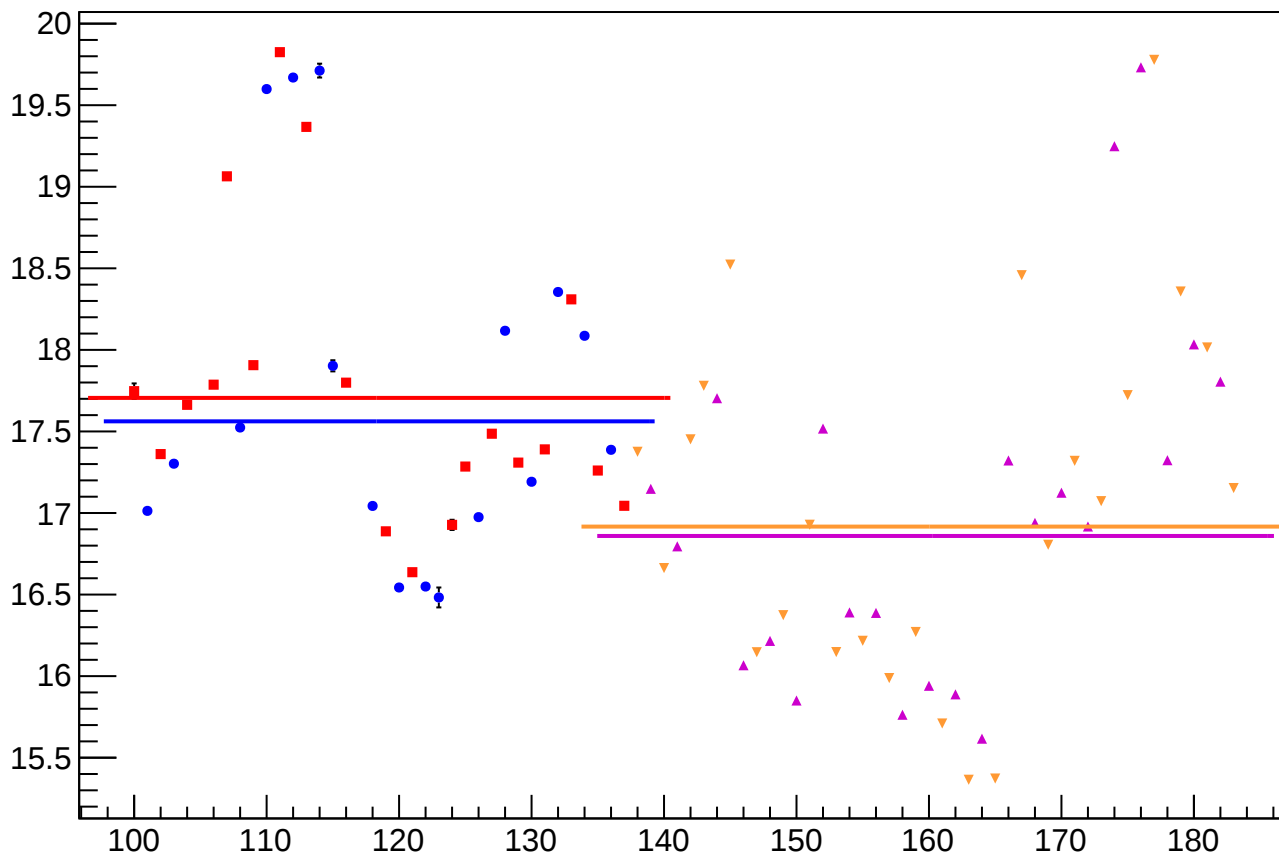
Left In: -7.647 $\pm$ 4.092 χ^2/NDF :34.2/21

+ sign 2.188 $\pm$ 3.432 χ^2/NDF : 26.2/40

All: -0.053 $\pm$ 2.445 χ^2/NDF : 82.5/81

- sign -2.363 $\pm$ 3.484 χ^2/NDF : 55.5/40

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.562 $\pm$ 0.005 χ^2 /NDF: 33937.0/16

Left Out: 16.917 $\pm$ 0.003 χ^2 /NDF:137383.4/23

Right Out: 17.706 $\pm$ 0.005 χ^2 /NDF: 30251.5/18

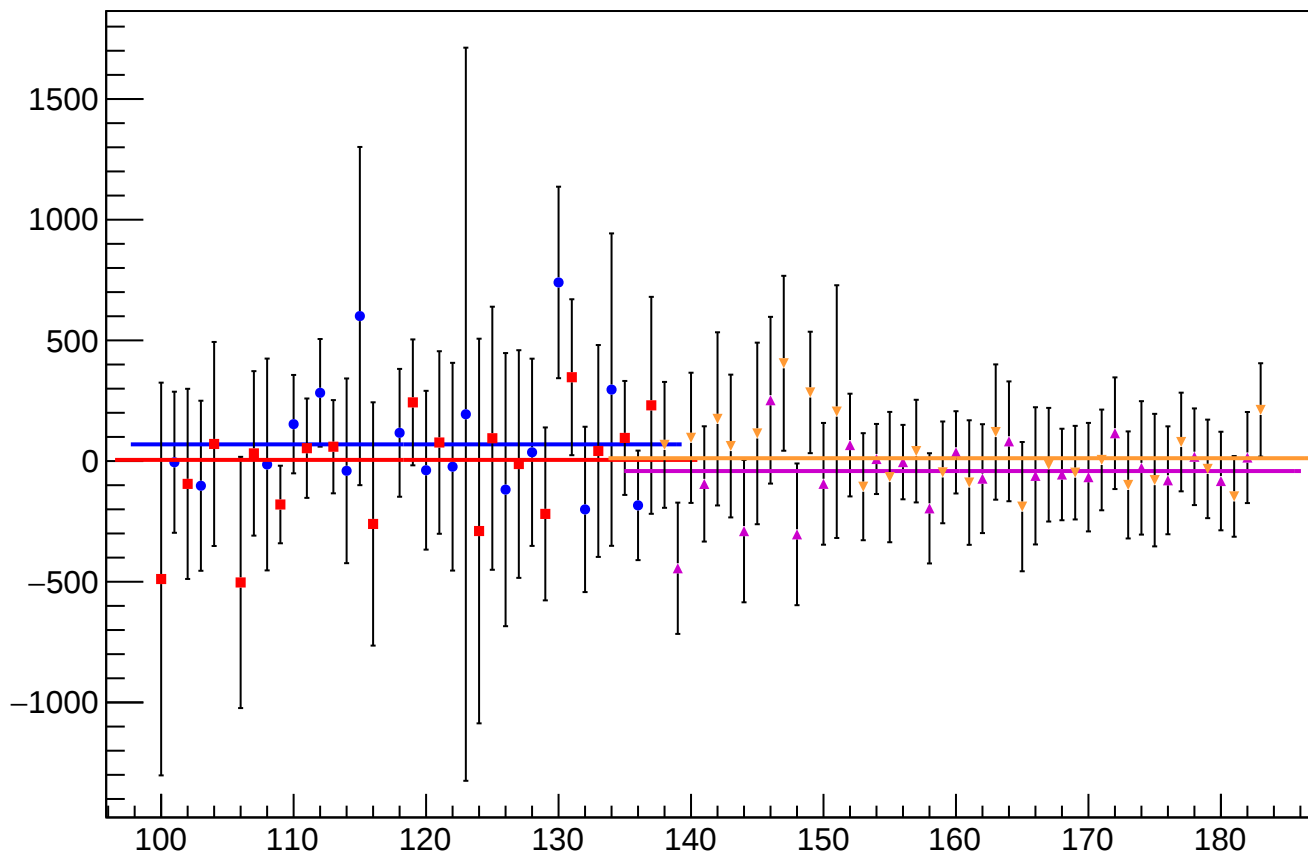
Left In: 16.859 $\pm$ 0.003 χ^2 /NDF:116856.7/21

+ sign 17.082 $\pm$ 0.002 χ^2 /NDF: 184776.1/40

All: 17.087 $\pm$ 0.002 χ^2 /NDF: 355433.8/81

- sign 17.092 $\pm$ 0.002 χ^2 /NDF: 170648.6/40

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 69.218 $\pm$ 80.633 χ^2 /NDF: 7.2/16

Left Out: 11.846 $\pm$ 49.157 χ^2 /NDF: 6.9/23

Right Out: 4.849 $\pm$ 71.521 χ^2 /NDF: 6.1/18

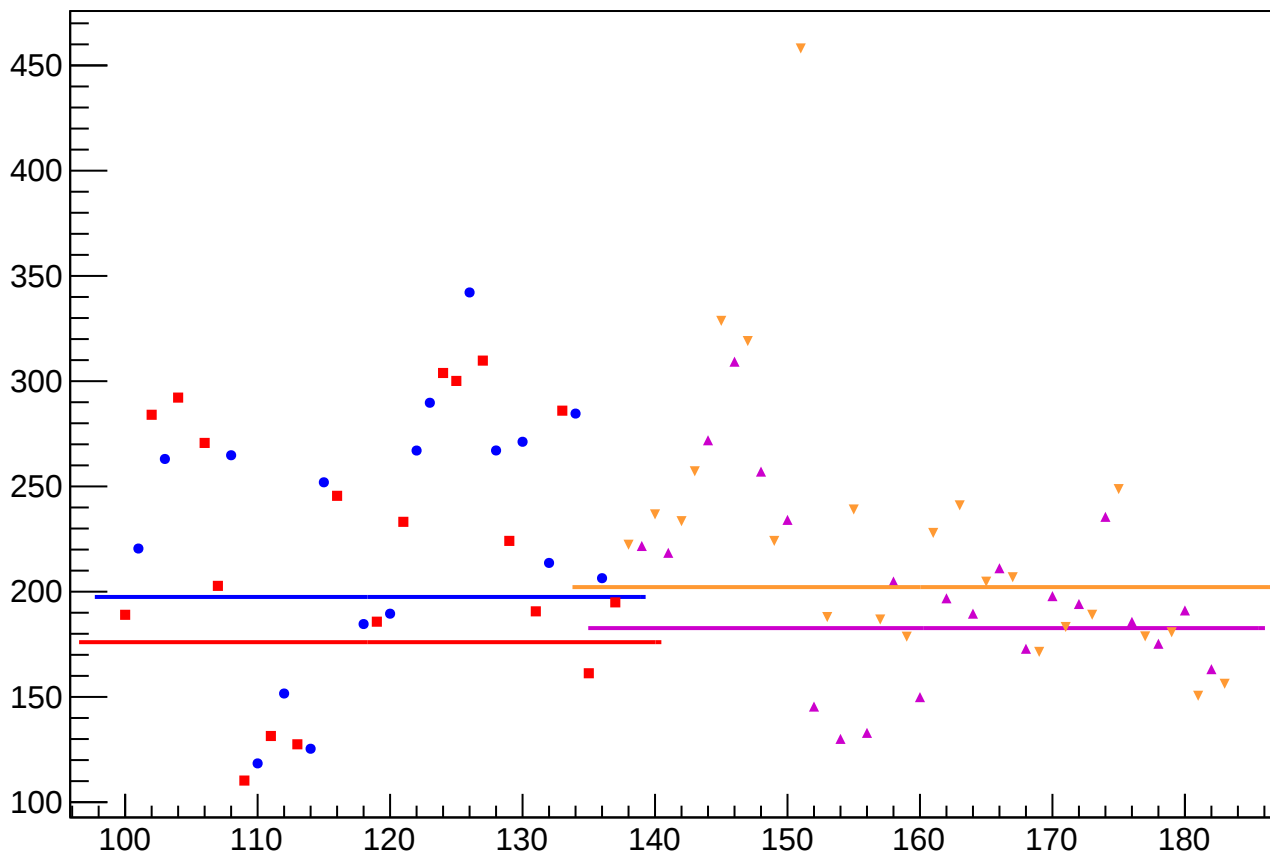
Left In: -41.391 $\pm$ 46.219 χ^2 /NDF: 6.6/21

+ sign 27.391 $\pm$ 41.972 χ^2 /NDF: 14.5/40

All: -2.339 $\pm$ 28.499 χ^2 /NDF: 28.4/81

- sign -27.770 $\pm$ 38.819 χ^2 /NDF: 13.0/40

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.498 $\pm$ 0.057 χ^2 /NDF: 970879.0/16

Left Out: 202.174 $\pm$ 0.035 χ^2 /NDF:1679857.0/23

Right Out: 176.016 $\pm$ 0.051 χ^2 /NDF: 1514778.3/18

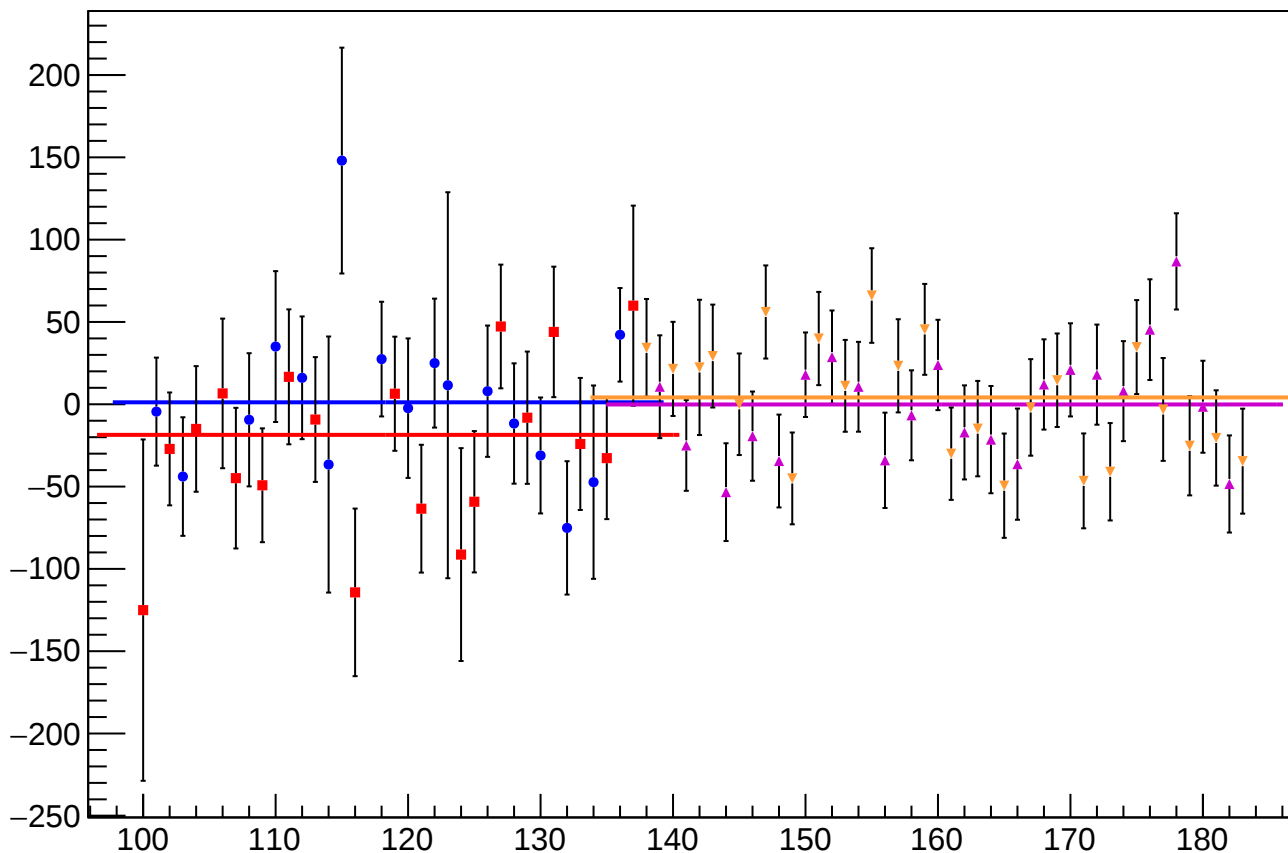
Left In: 182.697 $\pm$ 0.033 χ^2 /NDF:1524018.0/21

+ sign 200.907 $\pm$ 0.030 χ^2 /NDF: 2655639.4/40

All: 190.031 $\pm$ 0.020 χ^2 /NDF: 5955876.1/81

- sign 180.729 $\pm$ 0.027 χ^2 /NDF: 3051106.7/40

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 1.189 ± 9.848 χ^2/NDF : 15.4/16

Left Out: 4.160 ± 6.019 χ^2/NDF : 32.5/23

Right Out: -18.582 ± 9.518 χ^2/NDF : 18.4/18

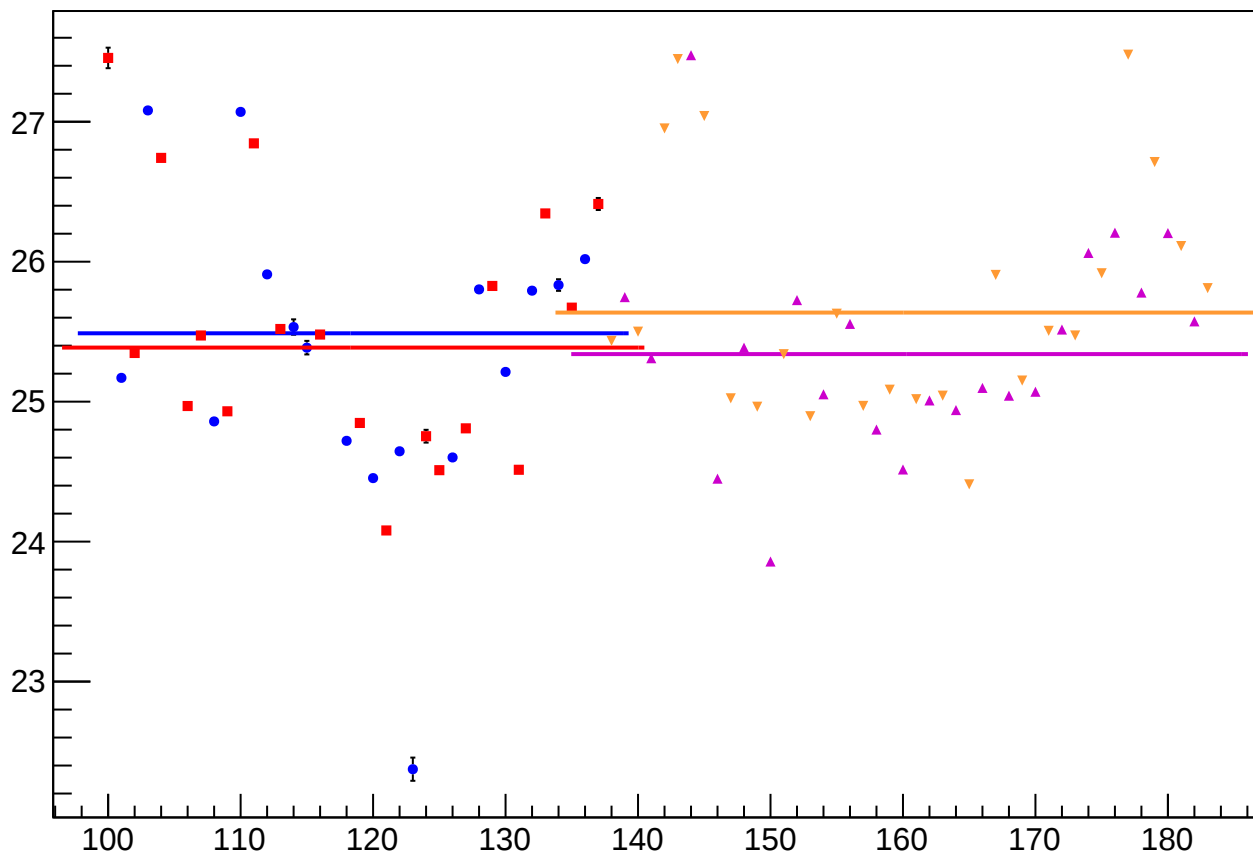
Left In: -0.121 ± 6.140 χ^2/NDF : 26.9/21

+ sign 3.352 ± 5.136 χ^2/NDF : 48.0/40

All: -1.077 ± 3.640 χ^2/NDF : 97.4/81

- sign -5.546 ± 5.160 χ^2/NDF : 47.9/40

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.488 $\pm$ 0.007 χ^2 /NDF: 13867.7/16

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 34658.3/23

Right Out: 25.386 $\pm$ 0.007 χ^2 /NDF: 13699.1/18

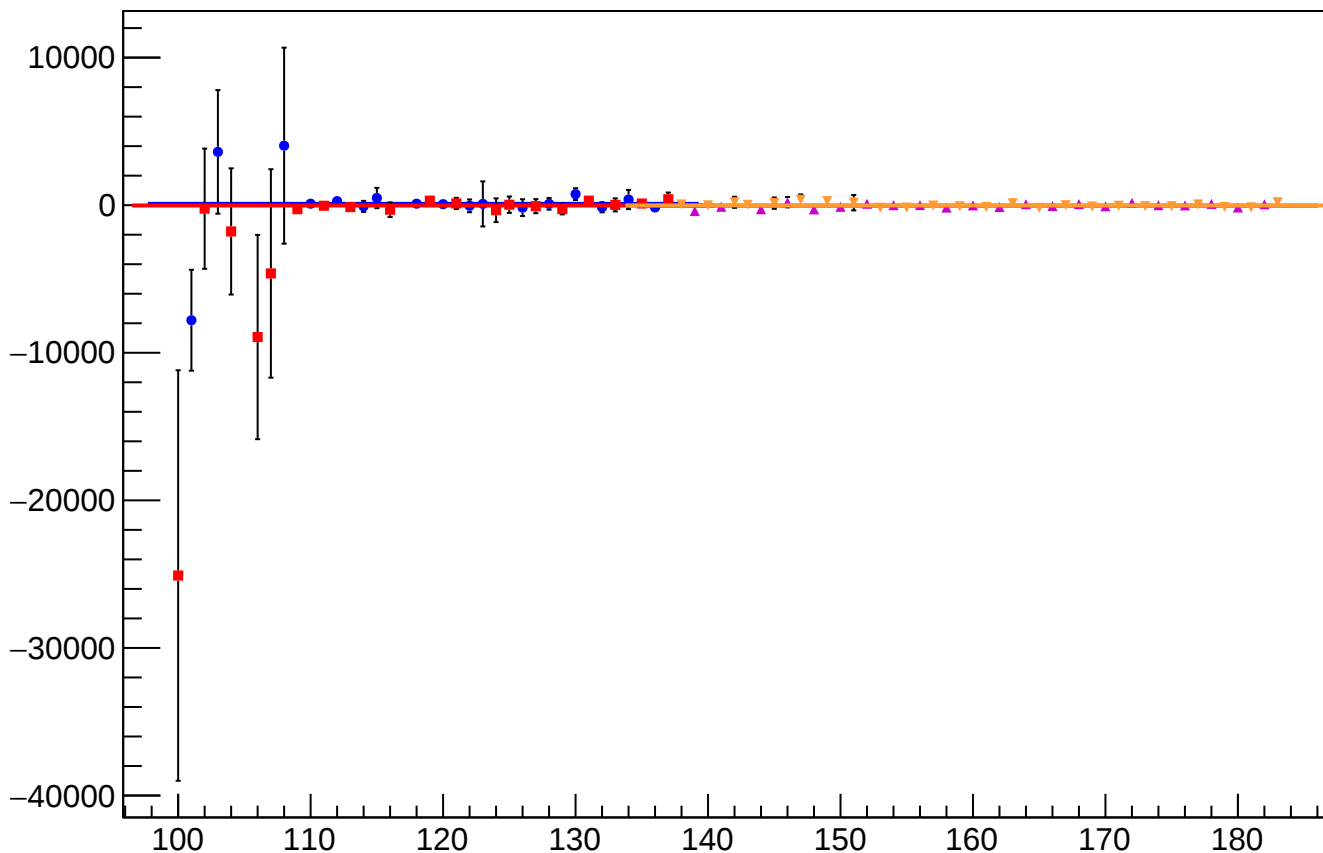
Left In: 25.340 $\pm$ 0.004 χ^2 /NDF: 29194.0/21

+ sign 25.596 $\pm$ 0.004 χ^2 /NDF: 48855.2/40

All: 25.475 $\pm$ 0.003 χ^2 /NDF: 94006.0/81

- sign 25.353 $\pm$ 0.004 χ^2 /NDF: 42926.8/40

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 89.231 ± 87.920 χ^2/NDF : 12.5/16

Left Out: -18.461 ± 48.861 χ^2/NDF : 7.2/23

Right Out: -18.864 ± 80.923 χ^2/NDF : 12.0/18

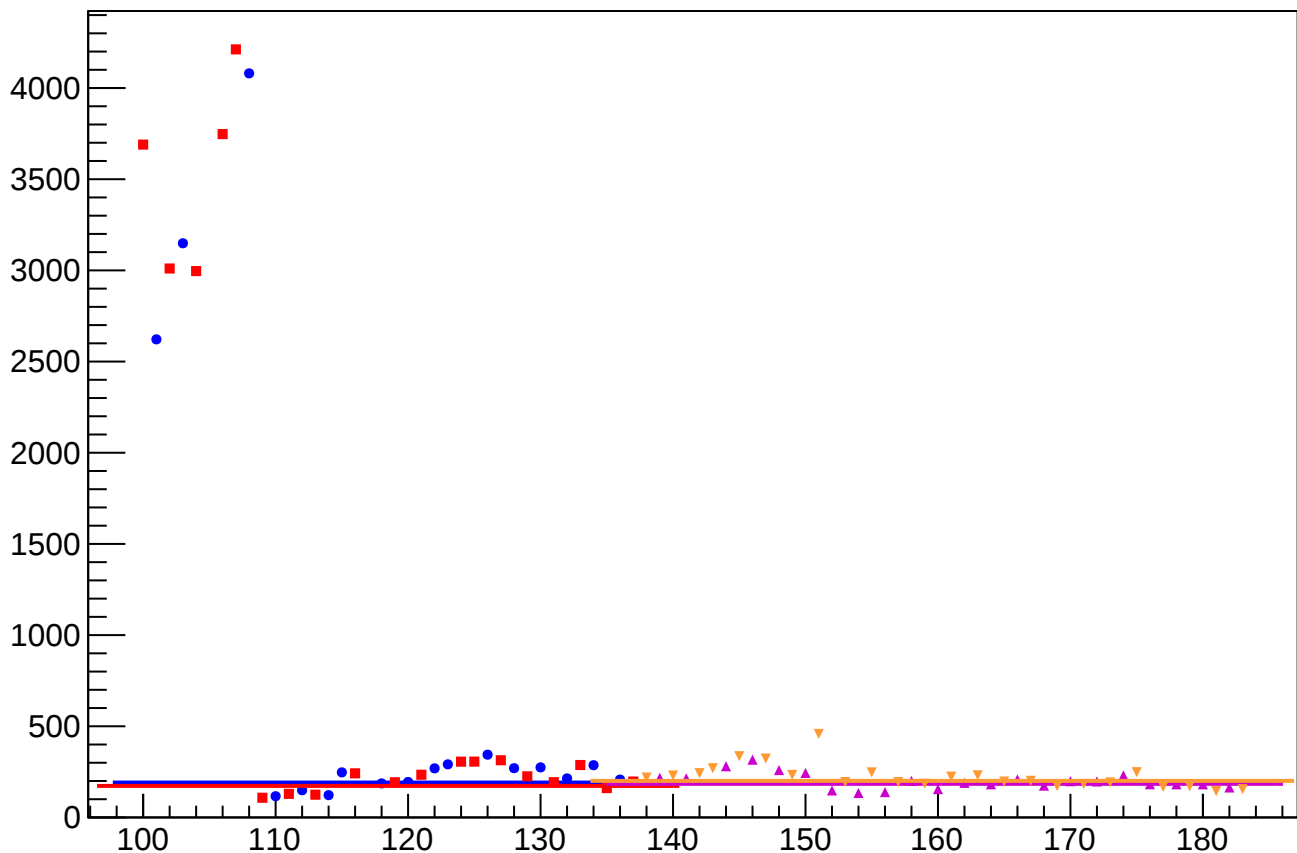
Left In: -29.492 ± 46.546 χ^2/NDF : 7.1/21

+ sign 6.951 ± 42.709 χ^2/NDF : 20.8/40

All: -10.909 ± 29.329 χ^2/NDF : 40.2/81

- sign -26.850 ± 40.348 χ^2/NDF : 19.1/40

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.422+/-0.062 χ^2/NDF : 3573556.6/16

Left Out: 200.571+/-0.035 χ^2/NDF : 1833635.1/23

Right Out: 173.068+/-0.057 χ^2/NDF : 4201509.7/18

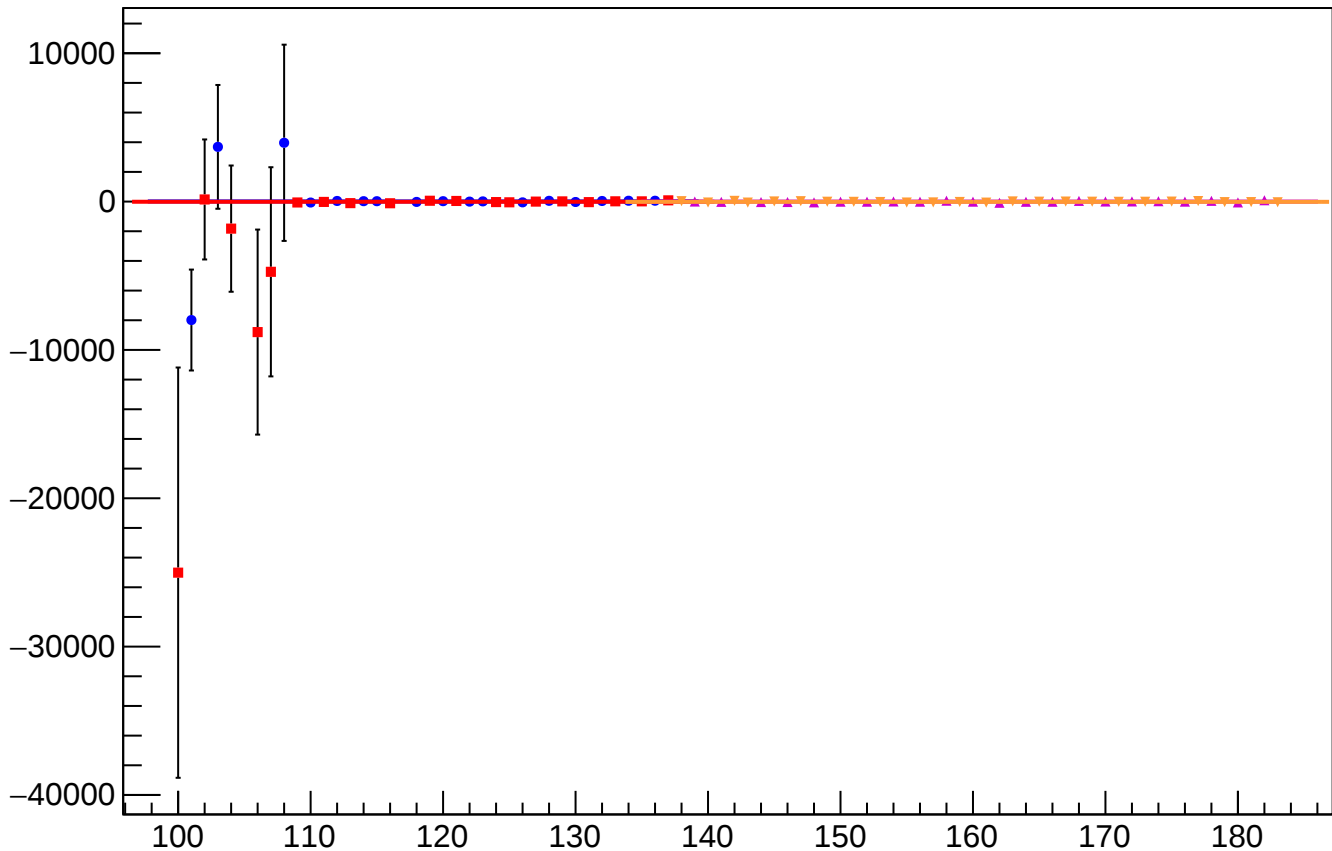
Left In: 184.418+/-0.033 χ^2/NDF : 1398022.0/21

+ sign 198.412+/-0.030 χ^2/NDF : 5423737.2/40

All: 189.527+/-0.021 χ^2/NDF : 11216660.0/81

- sign 181.597+/-0.029 χ^2/NDF : 5629093.9/40

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 11.464+/-12.227 χ^2/NDF : 18.3/16

Left Out: -17.701+/-6.750 χ^2/NDF : 21.5/23

Right Out: -11.883+/-12.264 χ^2/NDF : 23.9/18

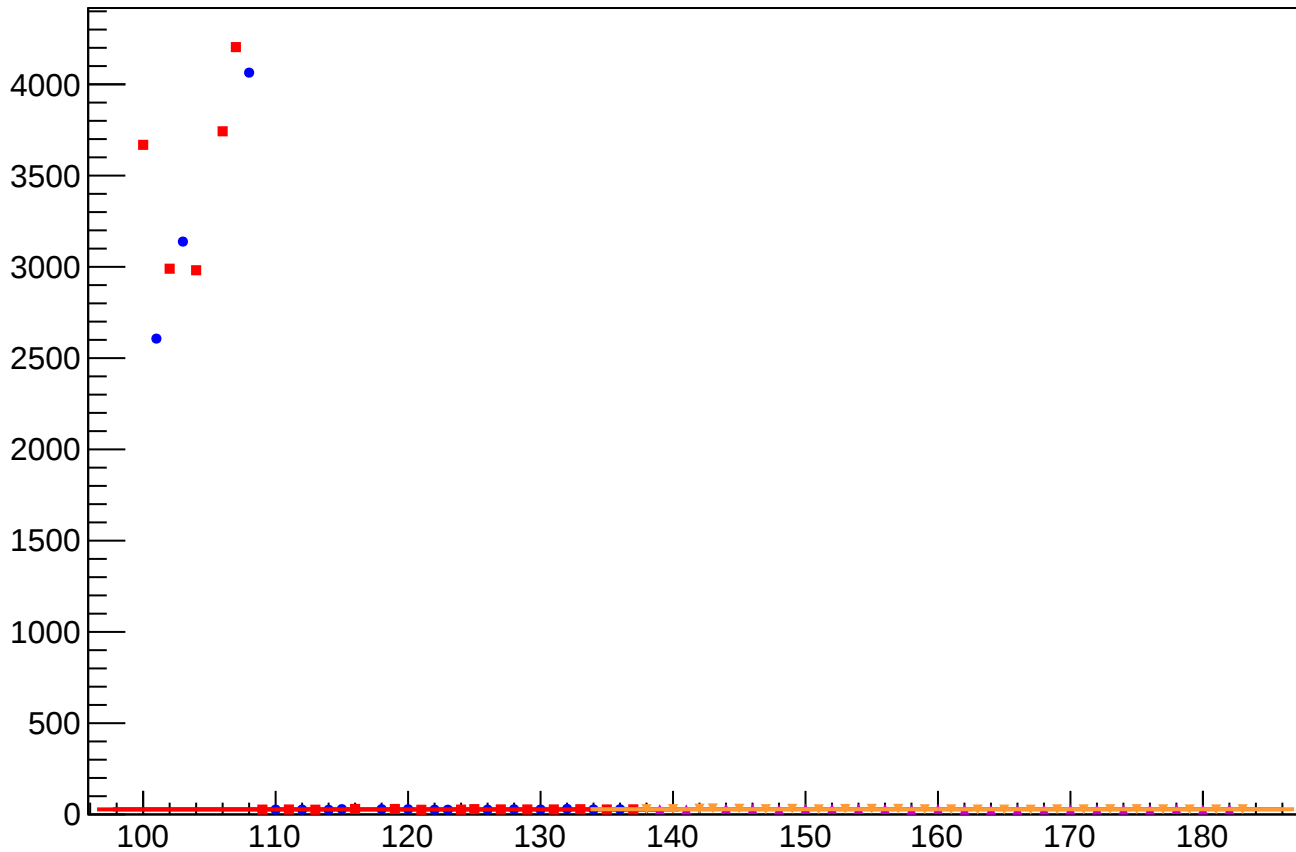
Left In: -1.148+/-6.966 χ^2/NDF : 32.0/21

+ sign -10.888+/-5.909 χ^2/NDF : 44.1/40

All: -7.415+/-4.230 χ^2/NDF : 101.3/81

- sign -3.767+/-6.057 χ^2/NDF : 56.5/40

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.858 $\pm$ 0.009 χ^2 /NDF: 3026949.6/16

Left Out: 28.697 $\pm$ 0.005 χ^2 /NDF: 110438.9/23

Right Out: 27.714 $\pm$ 0.009 χ^2 /NDF: 3476894.0/18

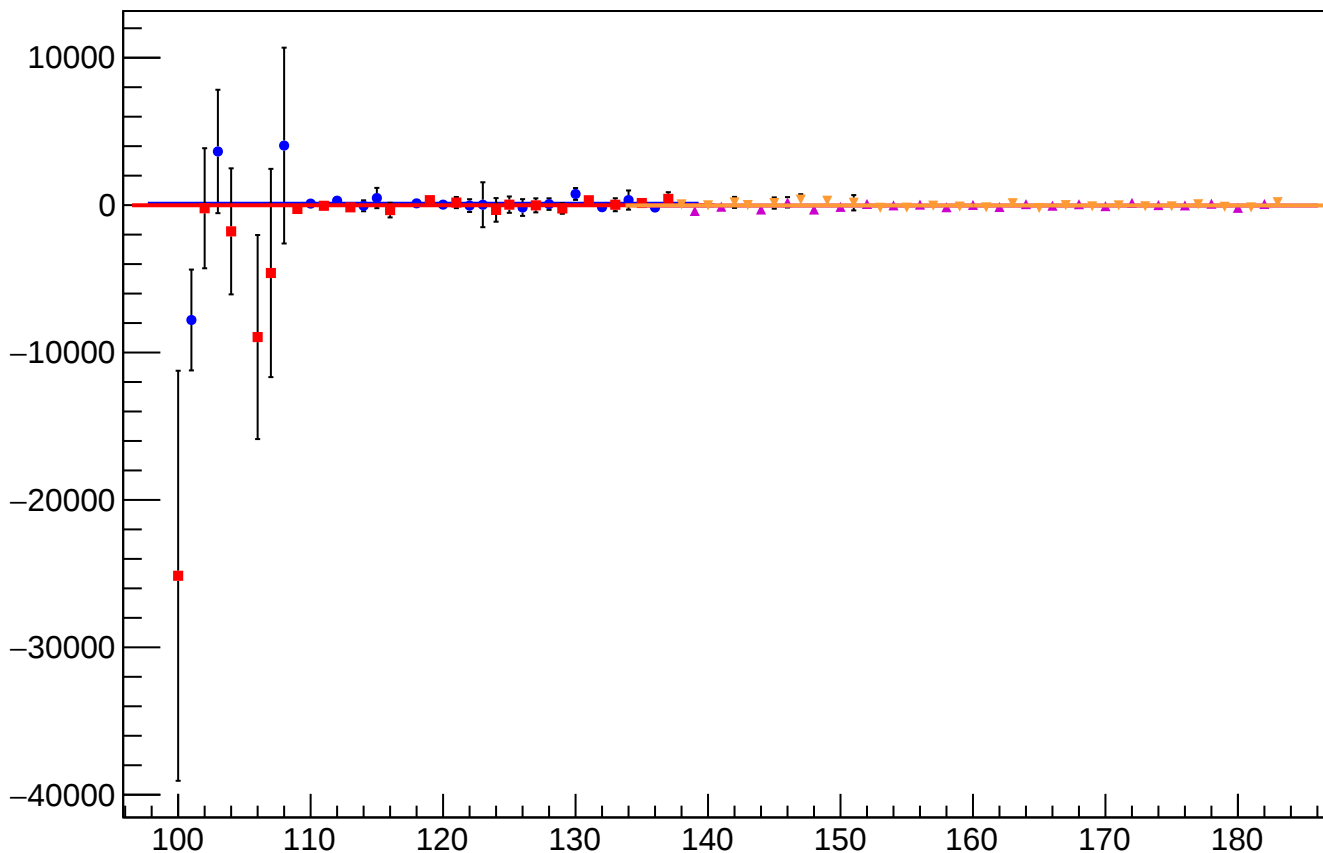
Left In: 28.679 $\pm$ 0.005 χ^2 /NDF: 123805.8/21

+ sign 28.501 $\pm$ 0.004 χ^2 /NDF: 3144601.7/40

All: 28.473 $\pm$ 0.003 χ^2 /NDF: 6754753.6/81

- sign 28.443 $\pm$ 0.004 χ^2 /NDF: 3610059.6/40

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 93.805 $\pm$ 87.646 χ^2 /NDF: 12.7/16

Left Out: -21.152 $\pm$ 48.752 χ^2 /NDF: 7.9/23

Right Out: -9.116 $\pm$ 80.662 χ^2 /NDF: 12.8/18

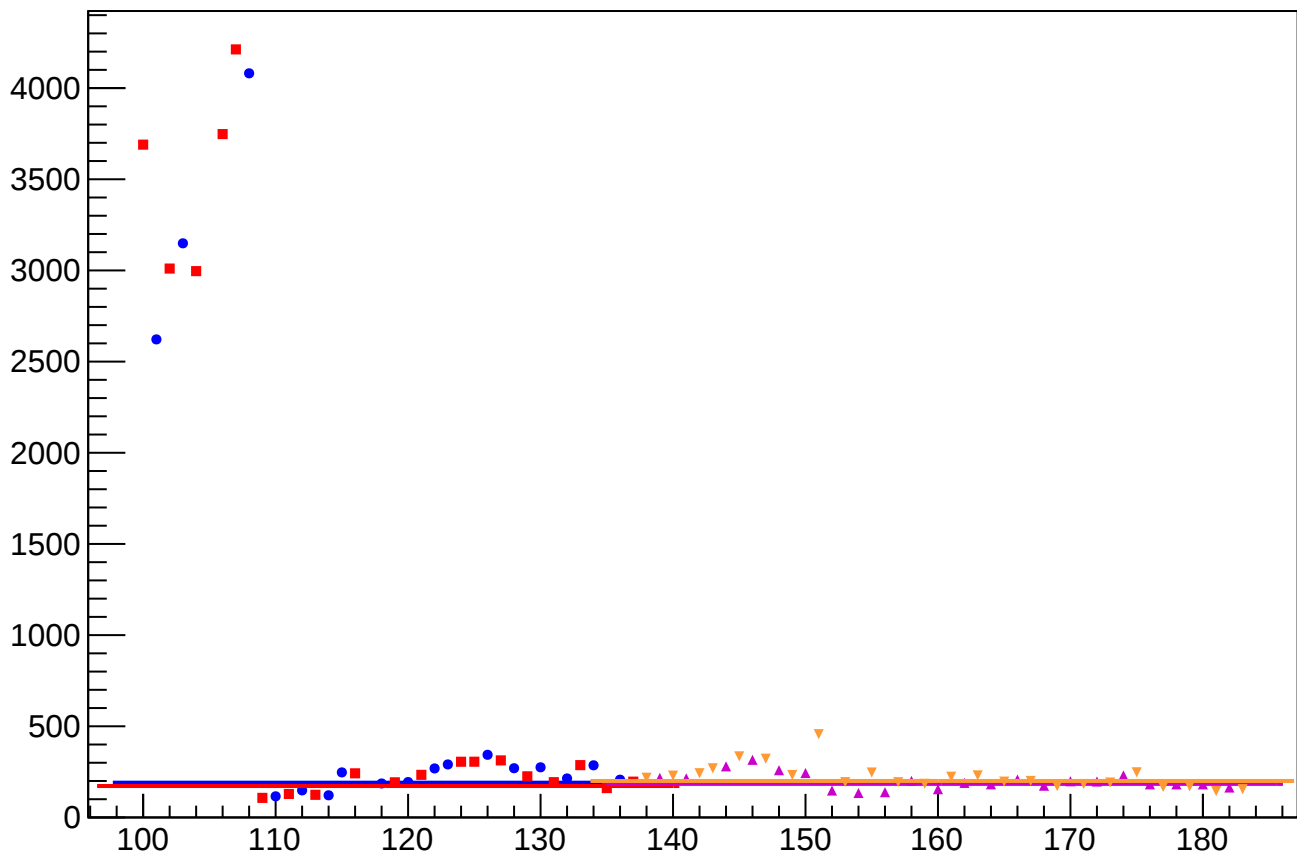
Left In: -28.839 $\pm$ 46.453 χ^2 /NDF: 7.4/21

+ sign 6.011 $\pm$ 42.604 χ^2 /NDF: 21.9/40

All: -9.807 $\pm$ 29.260 χ^2 /NDF: 42.4/81

- sign -23.927 $\pm$ 40.255 χ^2 /NDF: 20.2/40

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.712+/-0.062 χ^2/NDF : 3585407.6/16

Left Out: 200.124+/-0.034 χ^2/NDF : 1833599.3/23

Right Out: 172.402+/-0.057 χ^2/NDF : 4212674.3/18

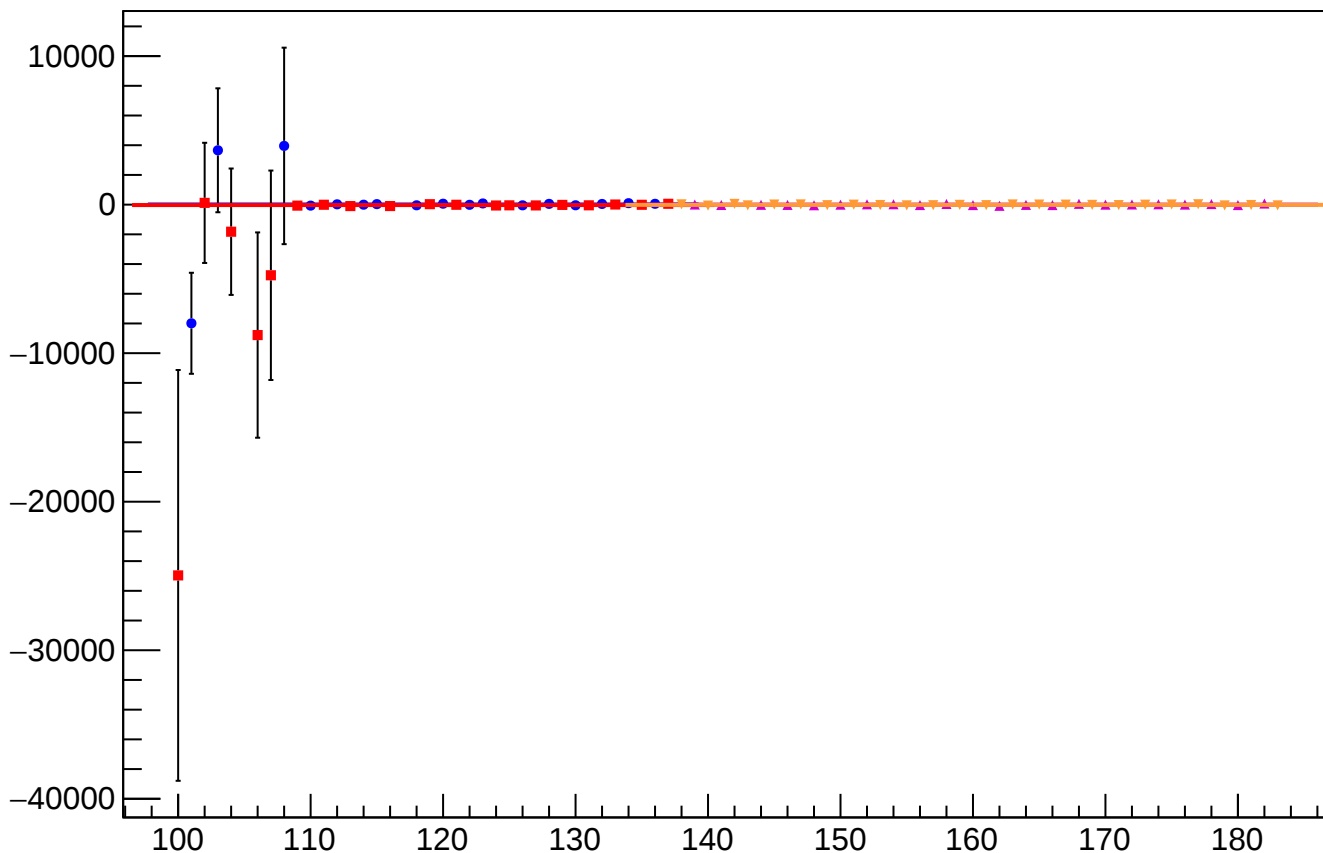
Left In: 184.051+/-0.033 χ^2/NDF : 1397601.2/21

+ sign 197.900+/-0.030 χ^2/NDF : 5436620.4/40

All: 189.051+/-0.021 χ^2/NDF : 11241559.1/81

- sign 181.150+/-0.028 χ^2/NDF : 5641598.0/40

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.486 ± 12.310 χ^2/NDF : 22.5/16

Left Out: -15.278 ± 6.780 χ^2/NDF : 16.0/23

Right Out: -28.414 ± 12.365 χ^2/NDF : 16.2/18

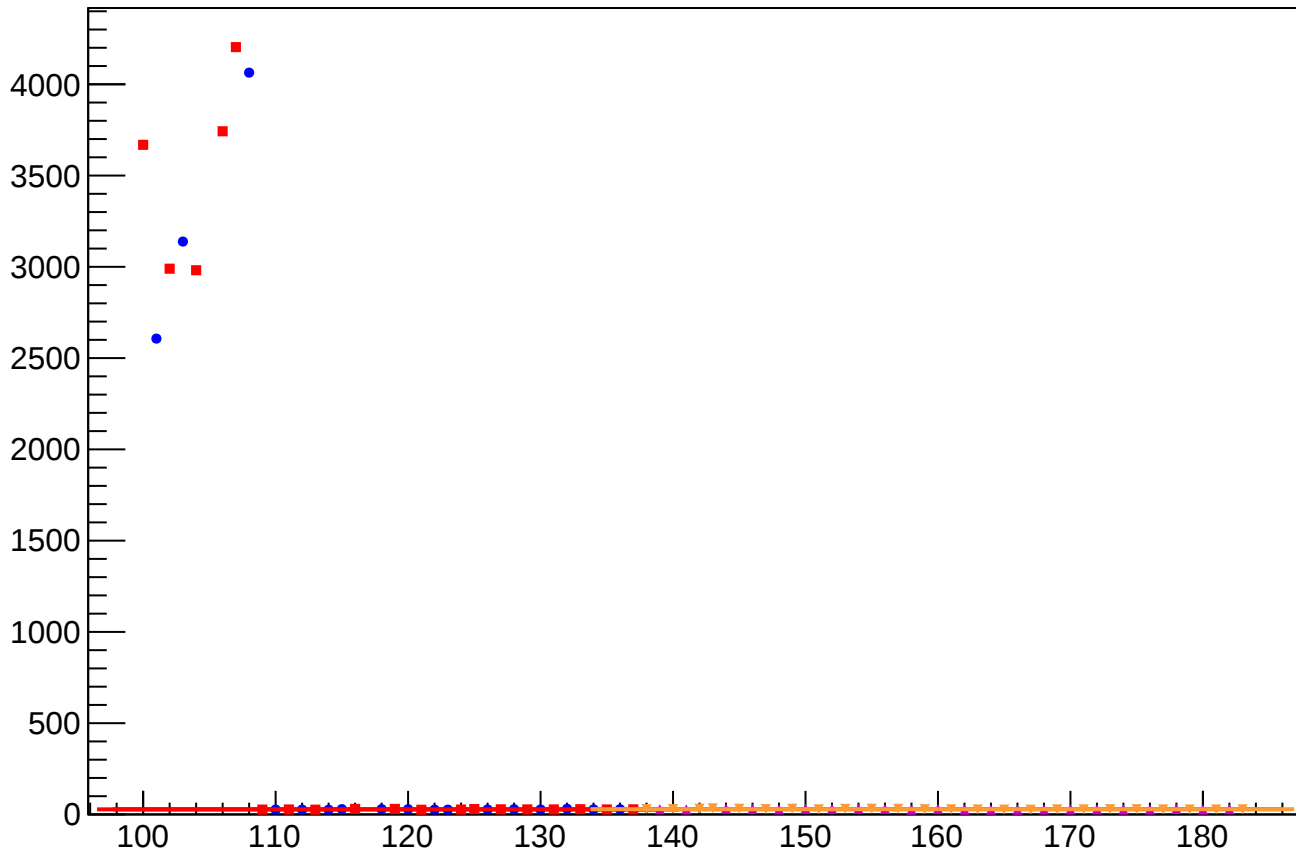
Left In: 0.214 ± 6.996 χ^2/NDF : 26.0/21

+ sign -9.514 ± 5.939 χ^2/NDF : 41.6/40

All: -8.156 ± 4.252 χ^2/NDF : 88.0/81

- sign -6.729 ± 6.089 χ^2/NDF : 46.3/40

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.041 $\pm$ 0.009 χ^2 /NDF: 3027315.2/16

Left Out: 28.819 $\pm$ 0.005 χ^2 /NDF: 122070.6/23

Right Out: 27.934 $\pm$ 0.009 χ^2 /NDF: 3479779.2/18

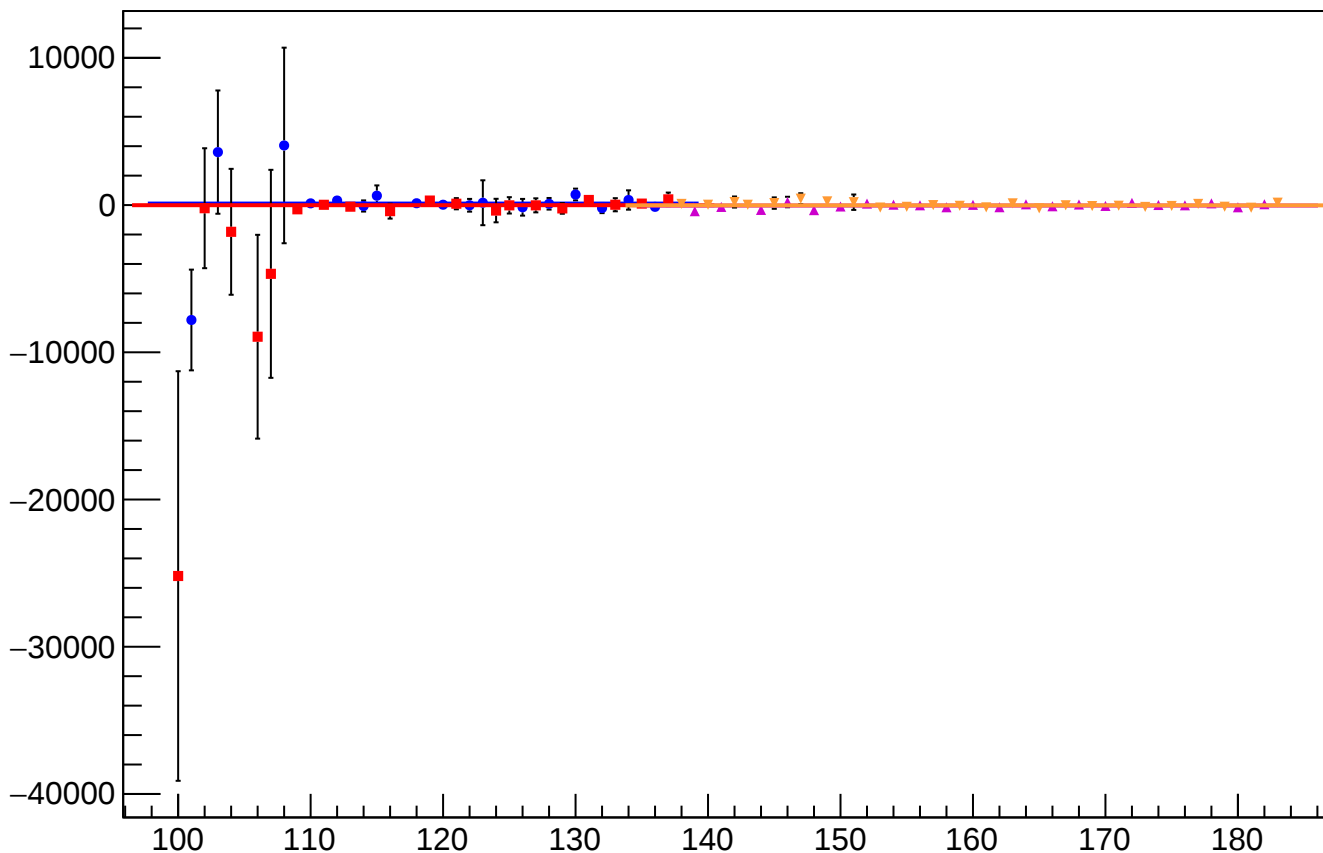
Left In: 28.801 $\pm$ 0.005 χ^2 /NDF: 128236.7/21

+ sign 28.638 $\pm$ 0.004 χ^2 /NDF: 3155519.1/40

All: 28.615 $\pm$ 0.003 χ^2 /NDF: 6771045.7/81

- sign 28.591 $\pm$ 0.004 χ^2 /NDF: 3615465.4/40

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 101.587 $\pm$ 88.682 χ^2 /NDF: 12.5/16

Left Out: -18.547 $\pm$ 49.332 χ^2 /NDF: 7.8/23

Right Out: -7.957 $\pm$ 81.751 χ^2 /NDF: 12.3/18

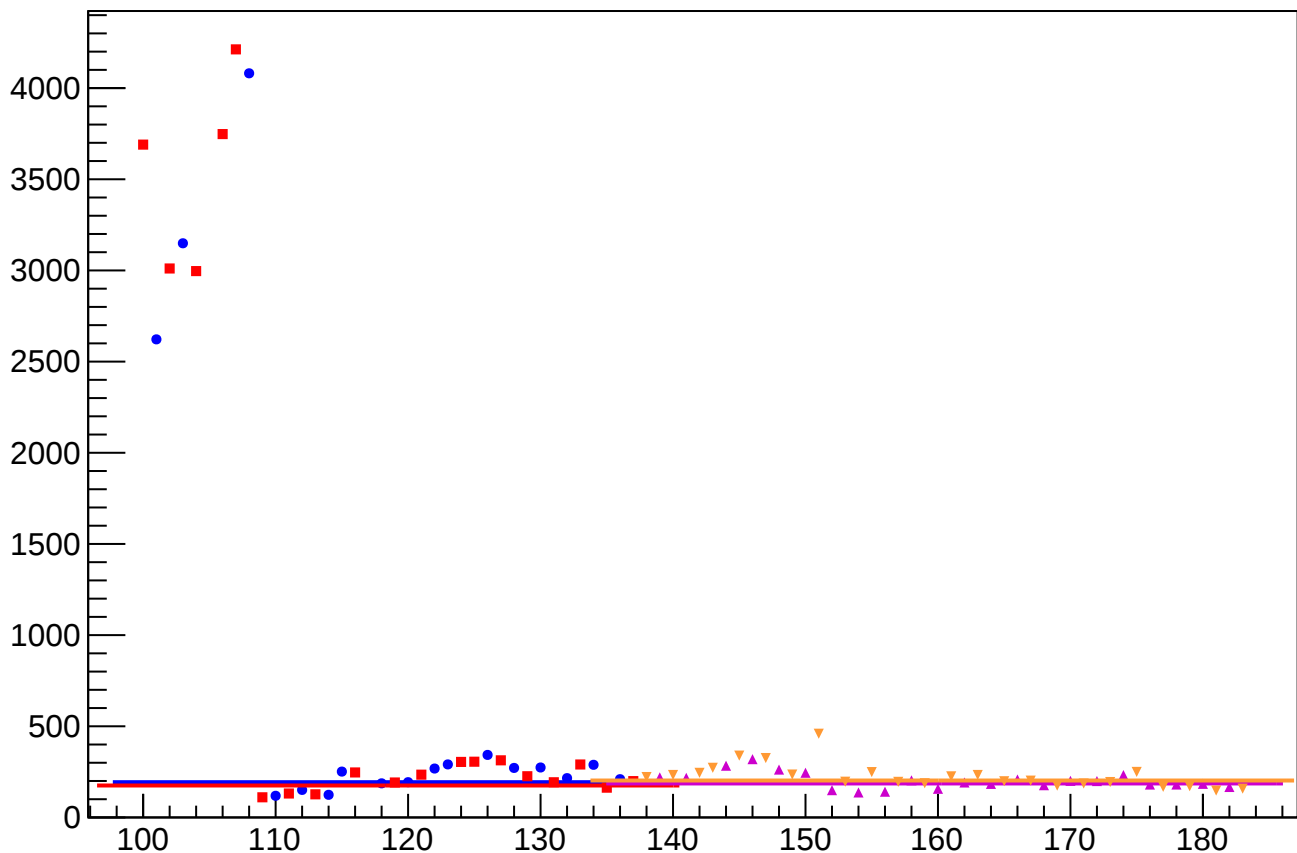
Left In: -32.558 $\pm$ 47.031 χ^2 /NDF: 7.8/21

+ sign 9.844 $\pm$ 43.111 χ^2 /NDF: 21.7/40

All: -9.312 $\pm$ 29.620 χ^2 /NDF: 42.3/81

- sign -26.441 $\pm$ 40.766 χ^2 /NDF: 20.2/40

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.420+/-0.063 χ^2/NDF : 3538238.9/16

Left Out: 202.615+/-0.035 χ^2/NDF : 1812670.8/23

Right Out: 175.281+/-0.058 χ^2/NDF : 4160209.8/18

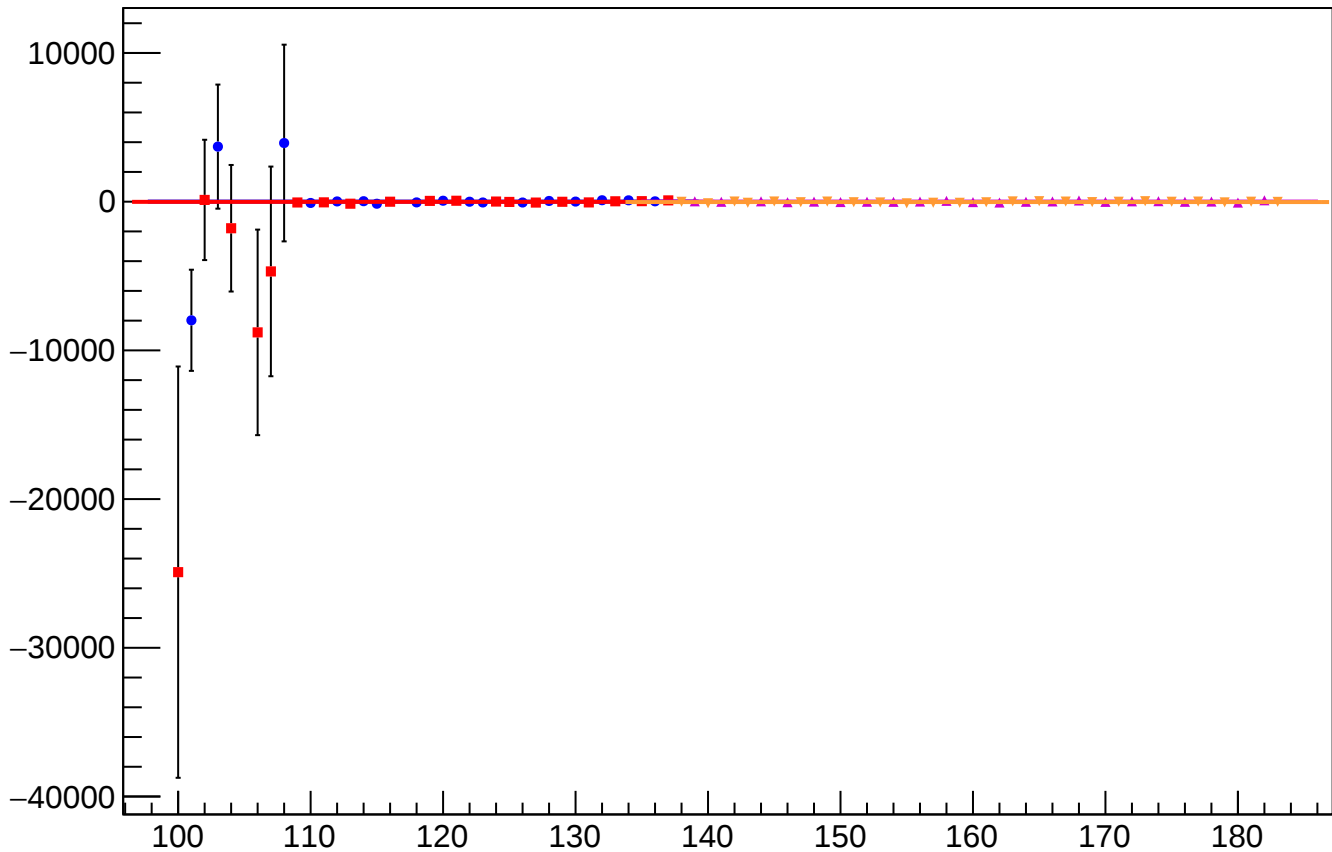
Left In: 186.477+/-0.033 χ^2/NDF : 1366889.0/21

+ sign 200.442+/-0.030 χ^2/NDF : 5367329.9/40

All: 191.600+/-0.021 χ^2/NDF : 11081978.6/81

- sign 183.693+/-0.029 χ^2/NDF : 5555281.6/40

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.177 $\pm$ 14.983 χ^2 /NDF: 20.1/16

Left Out: -25.114 $\pm$ 8.130 χ^2 /NDF:23.8/23

Right Out: -11.632 $\pm$ 14.990 χ^2 /NDF: 21.2/18

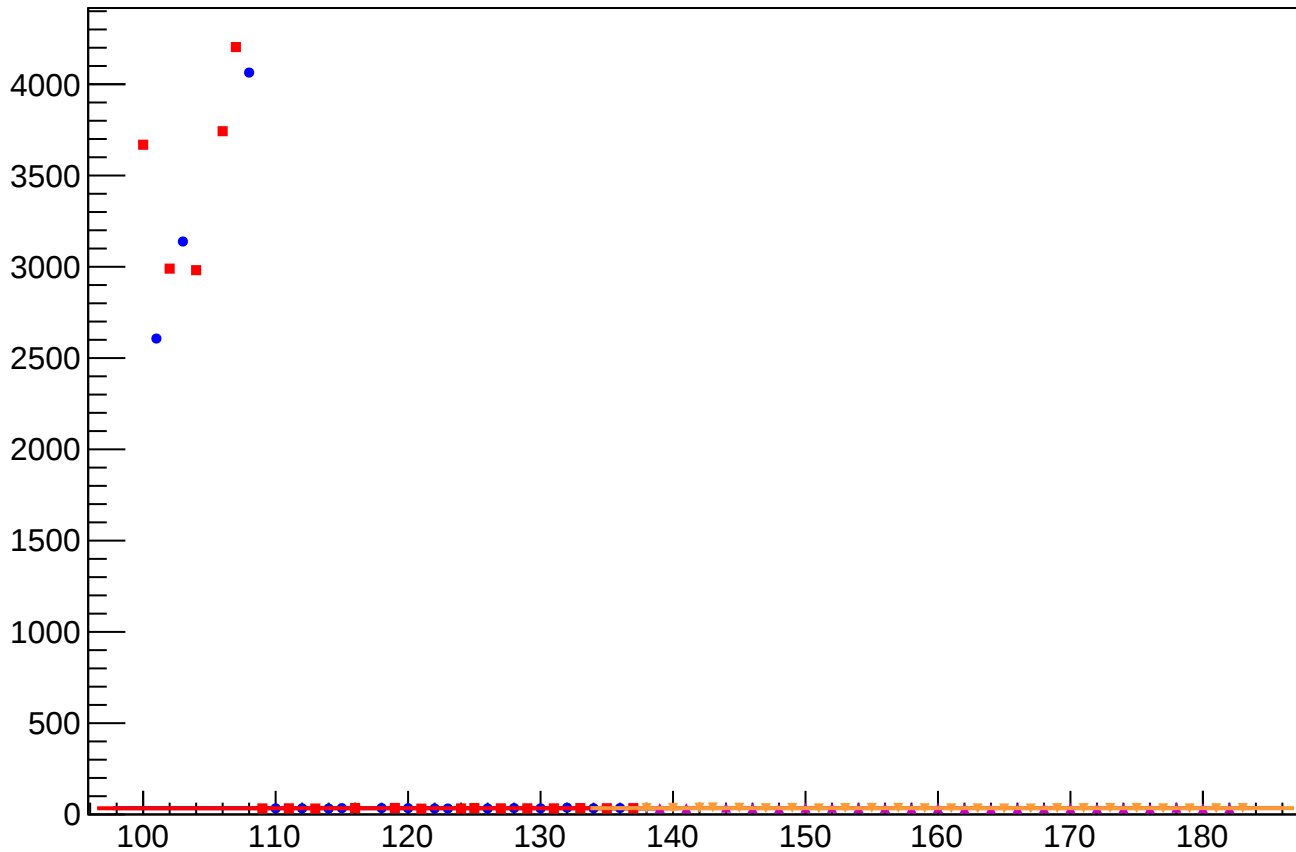
Left In: 5.347 $\pm$ 8.409 χ^2 /NDF:20.7/21

+ sign -17.996 $\pm$ 7.146 χ^2 /NDF: 47.3/40

All: -8.607 $\pm$ 5.118 χ^2 /NDF: 93.7/81

- sign 1.283 $\pm$ 7.334 χ^2 /NDF: 42.9/40

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.169 $\pm$ 0.011 χ^2 /NDF: 3006128.0/16

Left Out: 34.611 $\pm$ 0.006 χ^2 /NDF: 57776.2/23

Right Out: 33.933 $\pm$ 0.011 χ^2 /NDF: 3451992.5/18

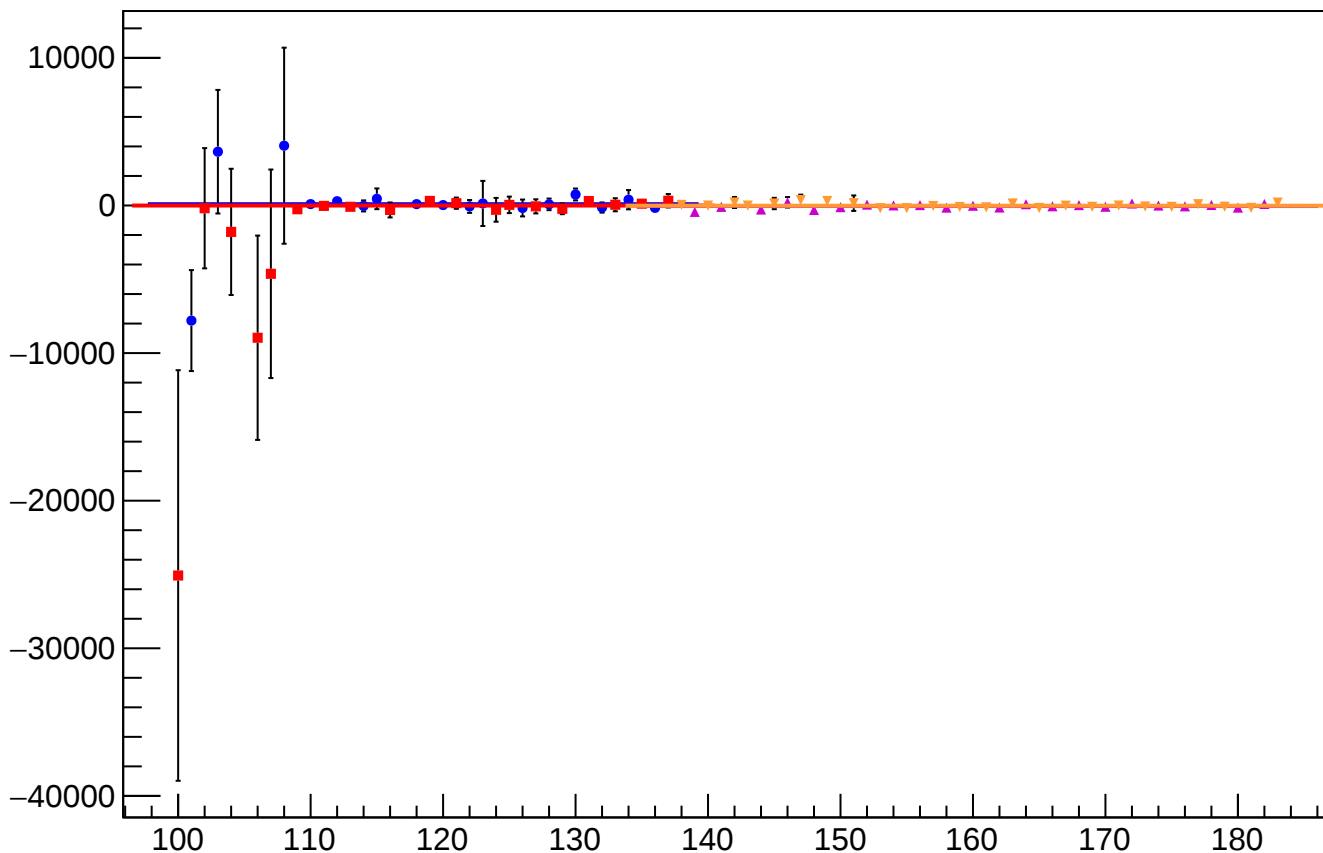
Left In: 34.678 $\pm$ 0.006 χ^2 /NDF: 59804.6/21

+ sign 34.510 $\pm$ 0.005 χ^2 /NDF: 3065252.5/40

All: 34.505 $\pm$ 0.004 χ^2 /NDF: 6580808.8/81

- sign 34.499 $\pm$ 0.005 χ^2 /NDF: 3515553.9/40

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.712 $\pm$ 88.241 χ^2 /NDF: 12.5/16

Left Out: -15.185 $\pm$ 49.262 χ^2 /NDF: 7.8/23

Right Out: -3.827 $\pm$ 81.231 χ^2 /NDF: 11.1/18

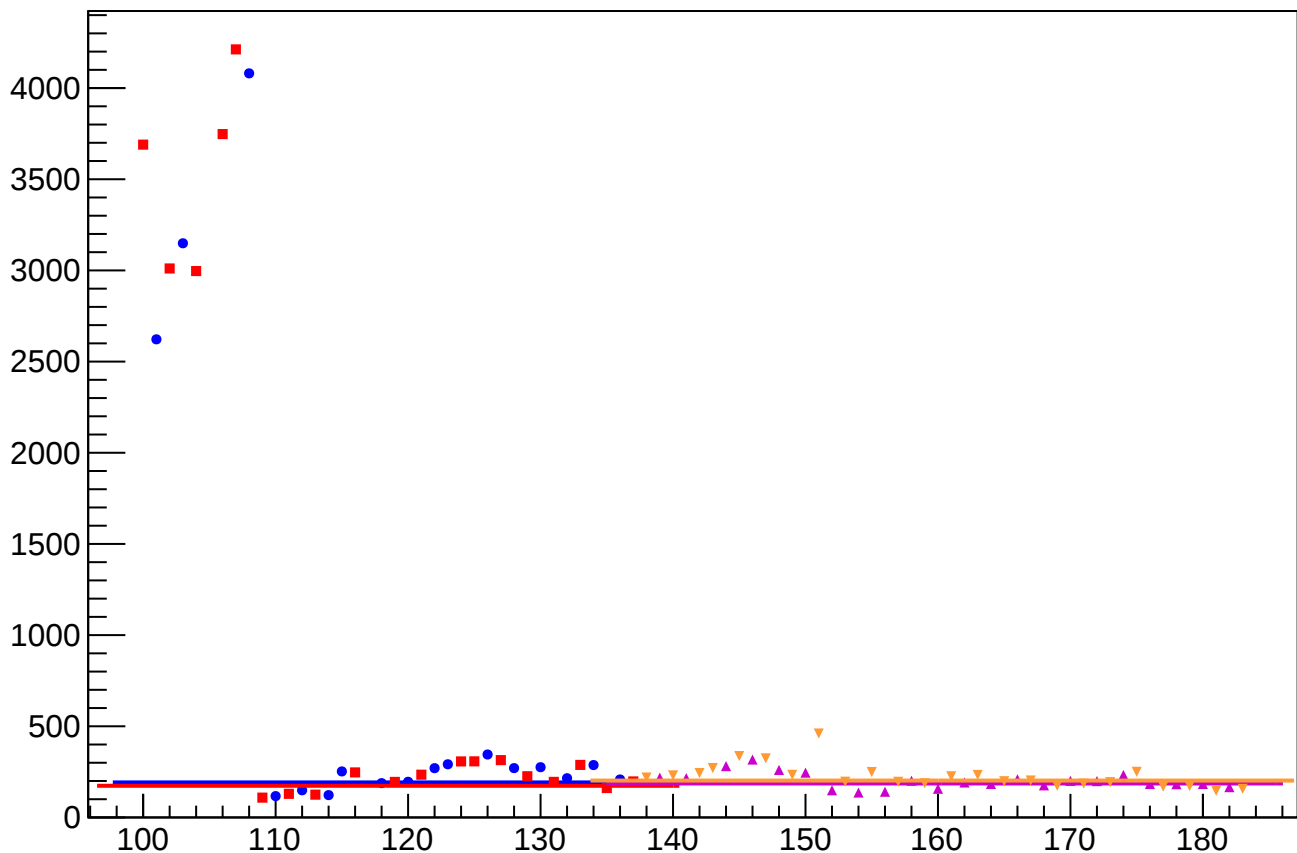
Left In: -37.006 $\pm$ 46.972 χ^2 /NDF: 7.0/21

+ sign 9.027 $\pm$ 43.013 χ^2 /NDF: 21.3/40

All: -10.891 $\pm$ 29.549 χ^2 /NDF: 39.9/81

- sign -28.692 $\pm$ 40.663 χ^2 /NDF: 18.3/40

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.118+/-0.062 χ^2/NDF : 3575311.3/16

Left Out: 202.331+/-0.035 χ^2/NDF : 1804803.9/23

Right Out: 173.728+/-0.057 χ^2/NDF : 4205626.6/18

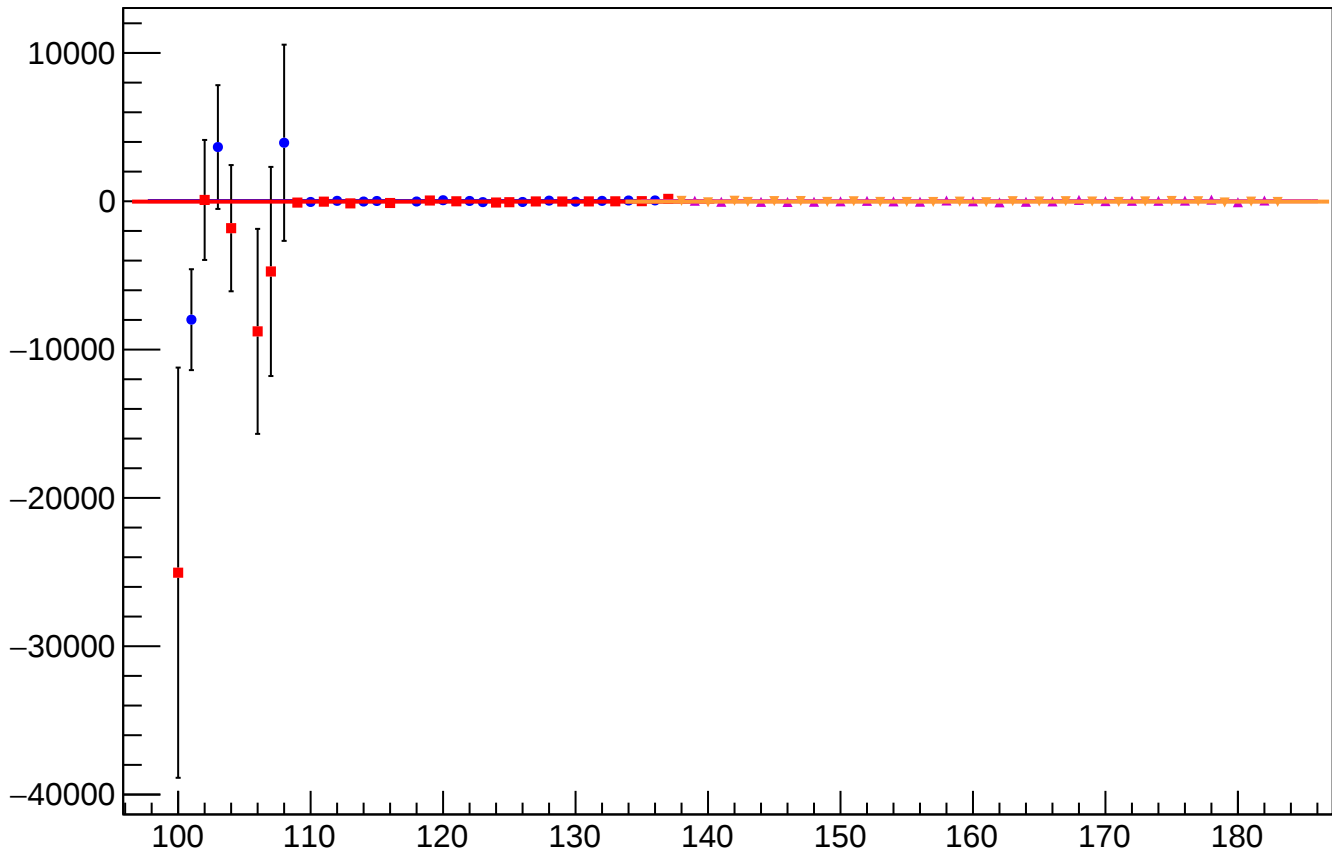
Left In: 186.245+/-0.033 χ^2/NDF : 1356616.7/21

+ sign 199.904+/-0.030 χ^2/NDF : 5400540.1/40

All: 191.035+/-0.021 χ^2/NDF : 11159412.3/81

- sign 183.108+/-0.029 χ^2/NDF : 5597830.7/40

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 14.225+/-13.662 χ^2/NDF : 14.8/16

Left Out: -22.568+/-7.401 χ^2/NDF : 17.5/23

Right Out: -22.859+/-13.697 χ^2/NDF : 27.3/18

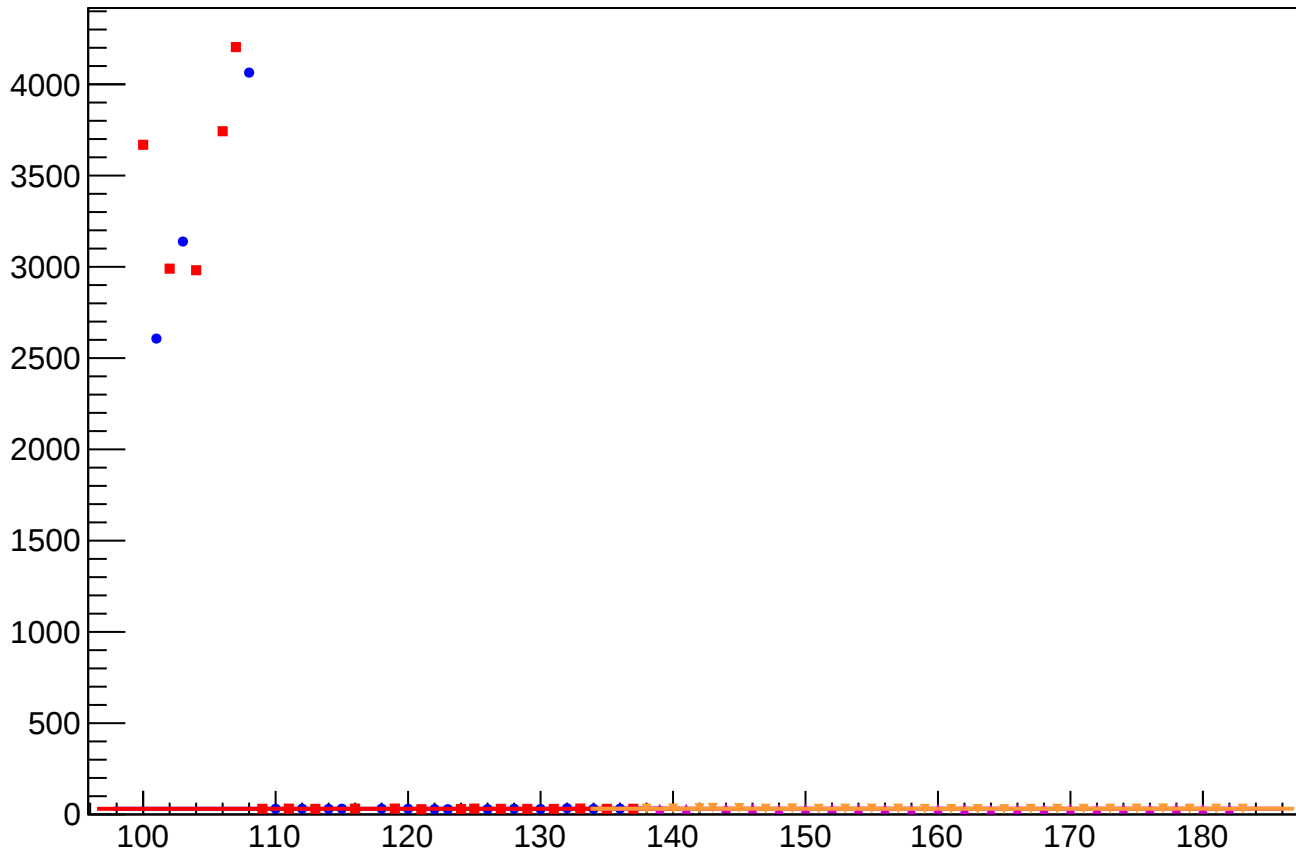
Left In: 6.375+/-7.639 χ^2/NDF : 38.7/21

+ sign -14.221+/-6.507 χ^2/NDF : 37.9/40

All: -7.562+/-4.658 χ^2/NDF : 109.6/81

- sign -0.561+/-6.672 χ^2/NDF : 69.5/40

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.158 $\pm$ 0.010 χ^2 /NDF: 3014166.6/16

Left Out: 31.483 $\pm$ 0.005 χ^2 /NDF: 81843.8/23

Right Out: 30.985 $\pm$ 0.010 χ^2 /NDF: 3458900.0/18

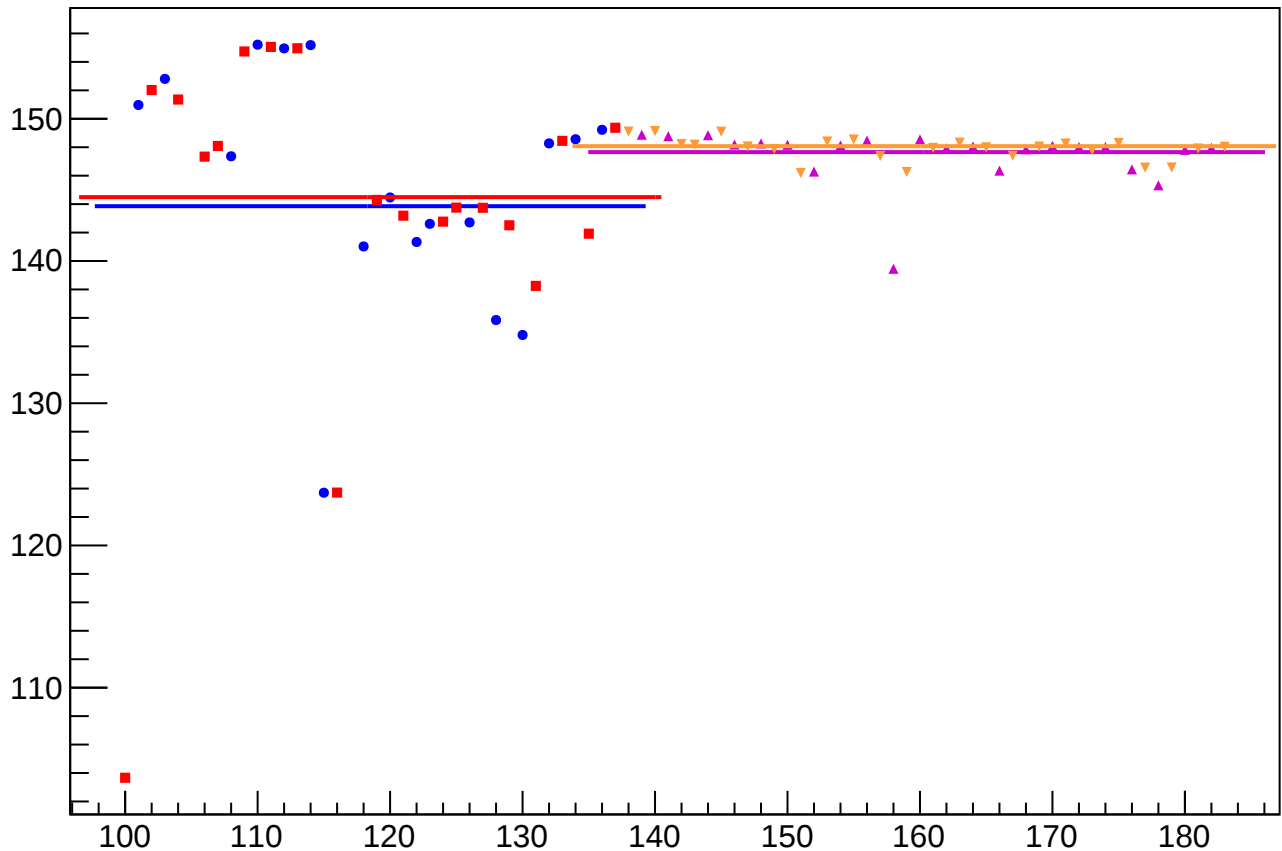
Left In: 31.471 $\pm$ 0.005 χ^2 /NDF: 87760.3/21

+ sign 31.409 $\pm$ 0.005 χ^2 /NDF: 3096885.3/40

All: 31.383 $\pm$ 0.003 χ^2 /NDF: 6645533.1/81

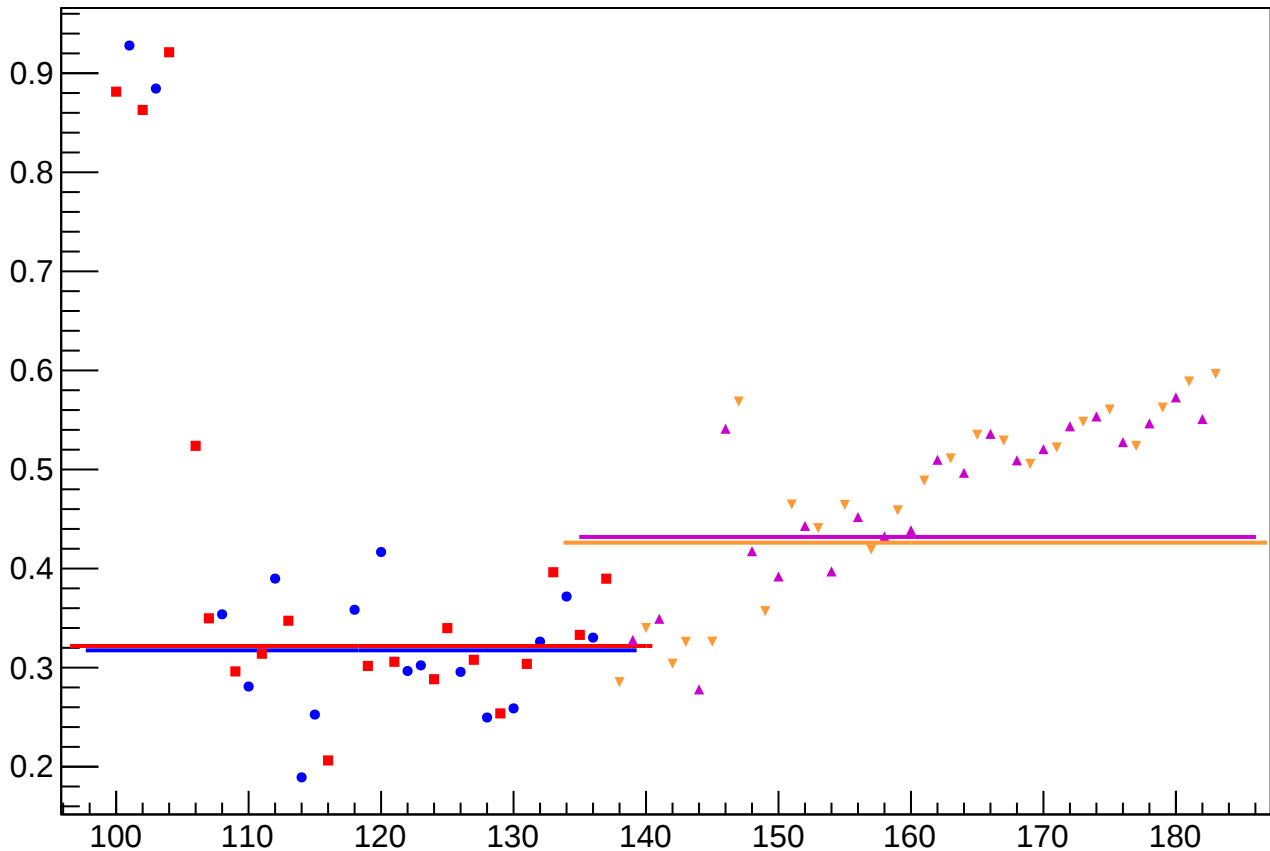
- sign 31.356 $\pm$ 0.005 χ^2 /NDF: 3548582.9/40

yield_bcm_an_ds_mean vs Slug



Right In: 143.854+/-0.000	χ^2/NDF : 3448306444.5/16	+ sign 146.491+/-0.000	χ^2/NDF : 4129034033.5/40
Left Out: 148.075+/-0.000	χ^2/NDF : 65656059.7/23	All: 146.444+/-0.000	χ^2/NDF : 8998114098.1
Right Out: 144.491+/-0.000	χ^2/NDF : 4184461794.3/18	- sign 146.395+/-0.000	χ^2/NDF : 4868413835.8/40
Left In: 147.657+/-0.000	χ^2/NDF : 343792501.2/21		

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1273243.2/16

Left Out: 0.426 ± 0.000 χ^2/NDF : 1838536.2/23

Right Out: 0.322 ± 0.000 χ^2/NDF : 1215219.2/18

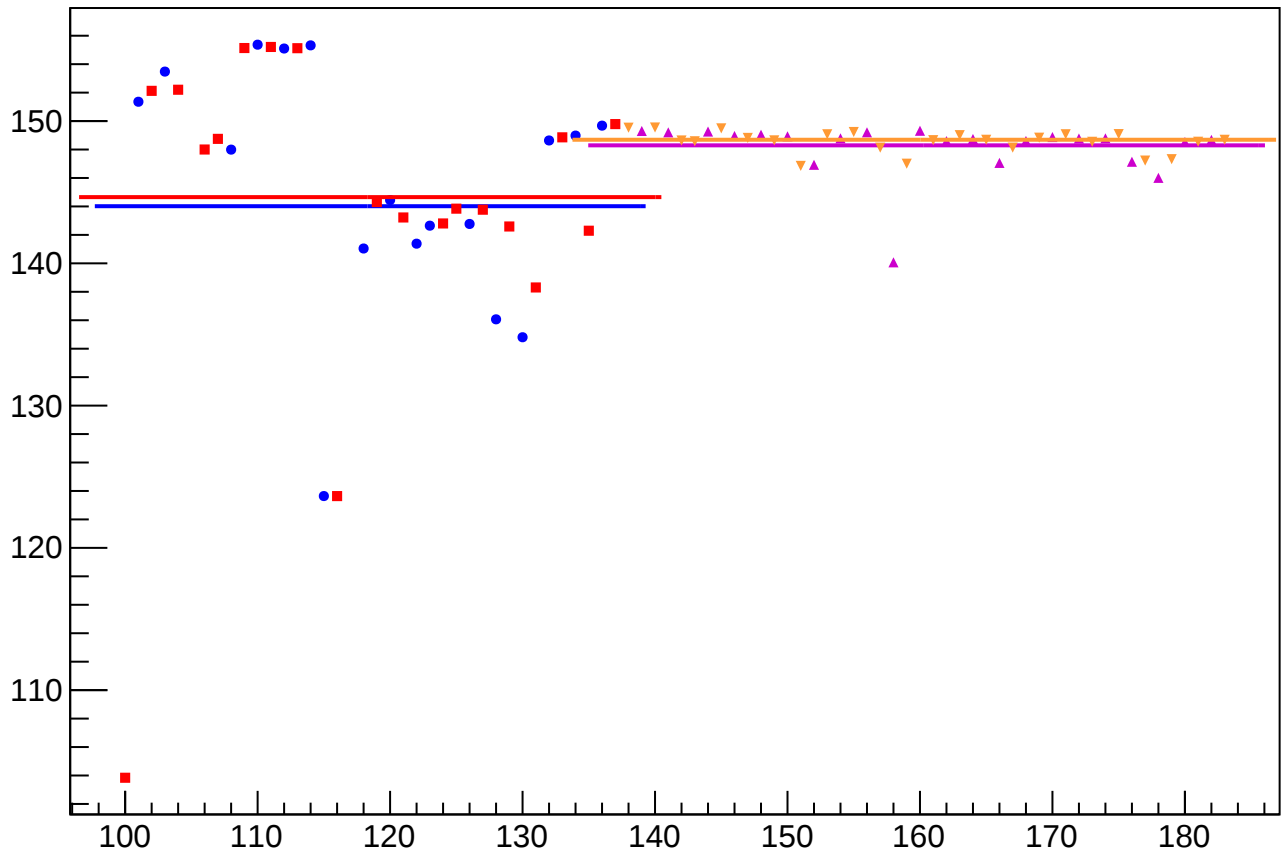
Left In: 0.432 ± 0.000 χ^2/NDF : 1428634.5/21

+ sign 0.385 ± 0.000 χ^2/NDF : 3927071.5/40

All: 0.387 ± 0.000 χ^2/NDF : 7393681.4/81

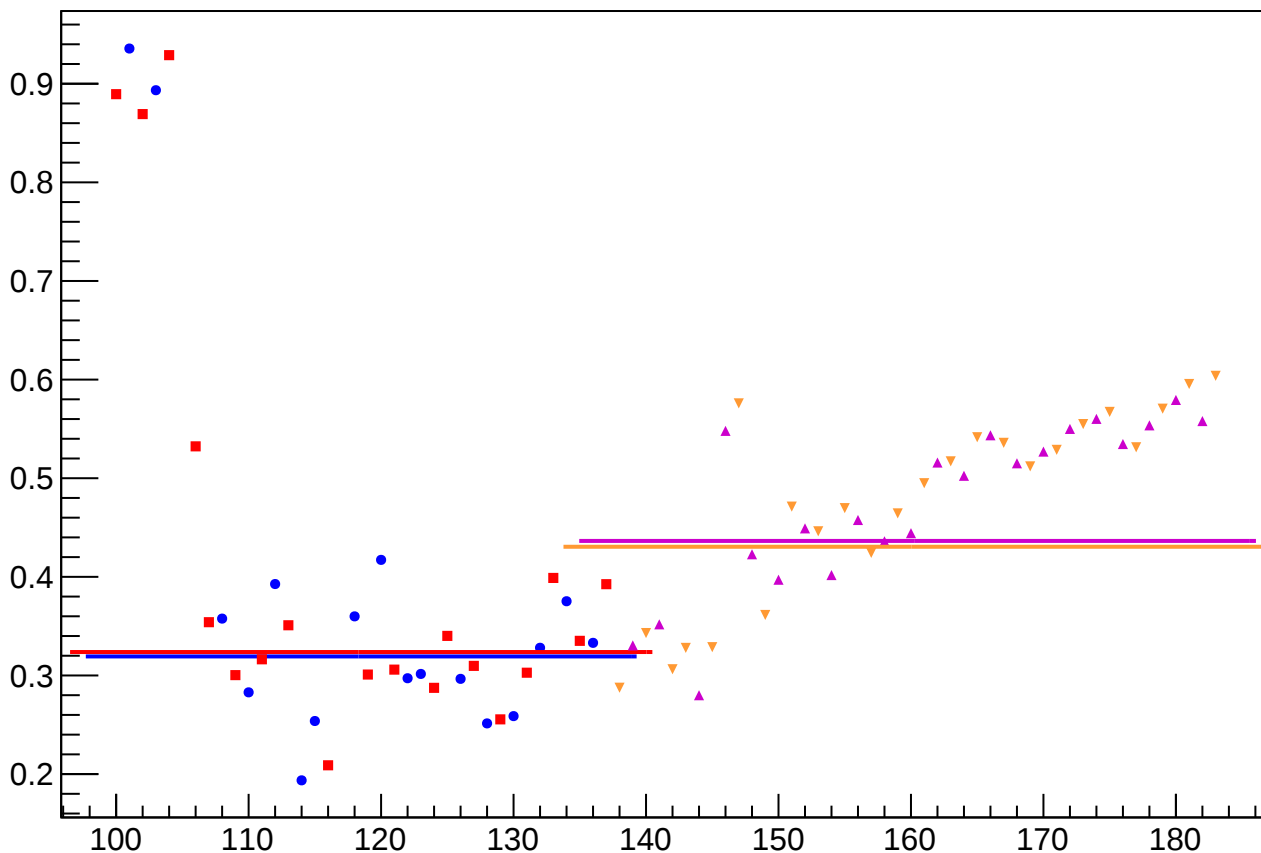
- sign 0.388 ± 0.000 χ^2/NDF : 3465578.4/40

yield_bcm_an_ds3_mean vs Slug



Right In: 144.016 $\pm$ 0.000	χ^2 /NDF: 3492221319.5/16	+ sign 146.924 $\pm$ 0.000	χ^2 /NDF: 4286403224.2/40
Left Out: 148.687 $\pm$ 0.000	χ^2 /NDF: 52282004.5/23	All: 146.880 $\pm$ 0.000	χ^2 /NDF: 9270481876.6
Right Out: 144.655 $\pm$ 0.000	χ^2 /NDF: 4208783732.4/18	- sign 146.835 $\pm$ 0.000	χ^2 /NDF: 4983519151.6/40
Left In: 148.294 $\pm$ 0.000	χ^2 /NDF: 332405294.3/21		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1274809.7/16

Left Out: 0.431 $\pm$ 0.000 χ^2 /NDF:1870079.5/23

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1217547.6/18

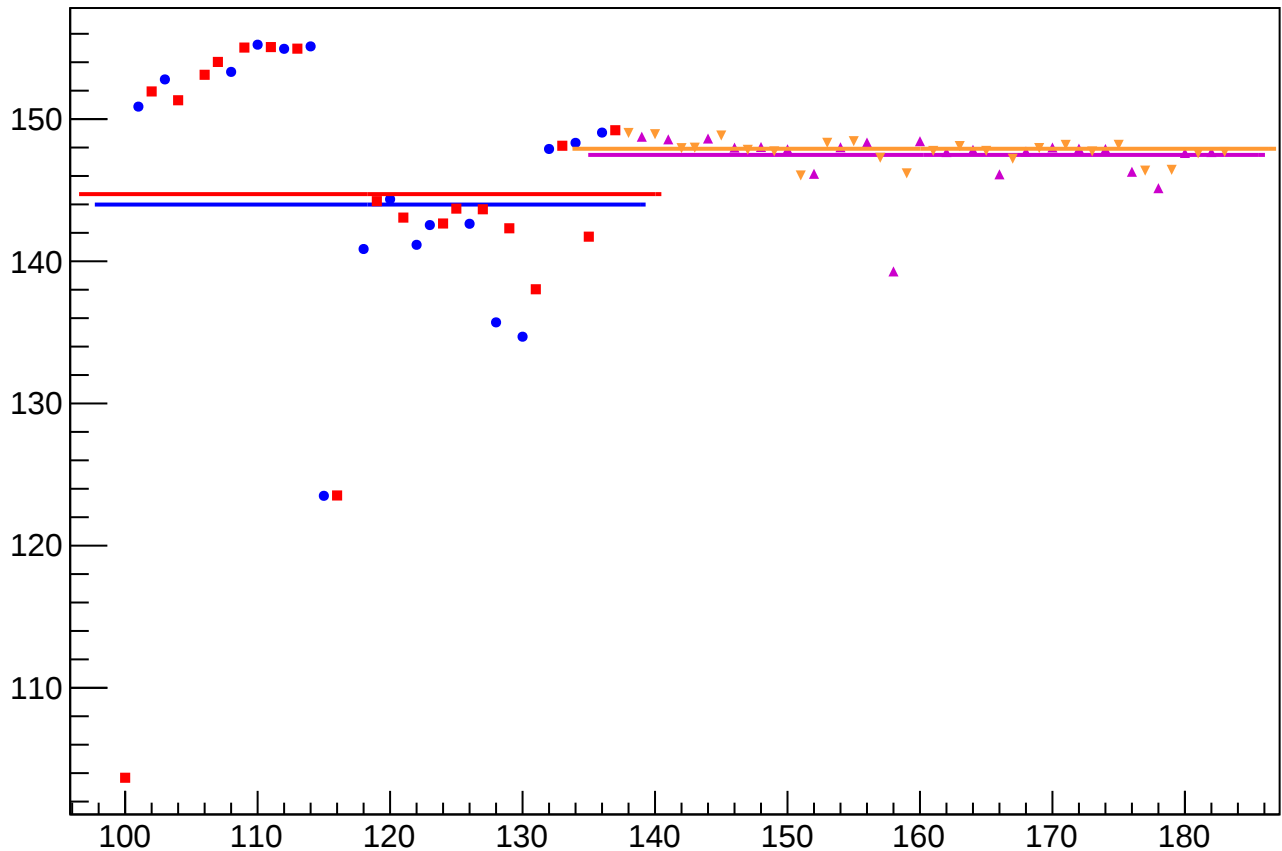
Left In: 0.436 $\pm$ 0.000 χ^2 /NDF:1453504.6/21

+ sign 0.389 $\pm$ 0.000 χ^2 /NDF: 3985887.1/40

All: 0.390 $\pm$ 0.000 χ^2 /NDF: 7505591.3/81

- sign 0.391 $\pm$ 0.000 χ^2 /NDF: 3518643.9/40

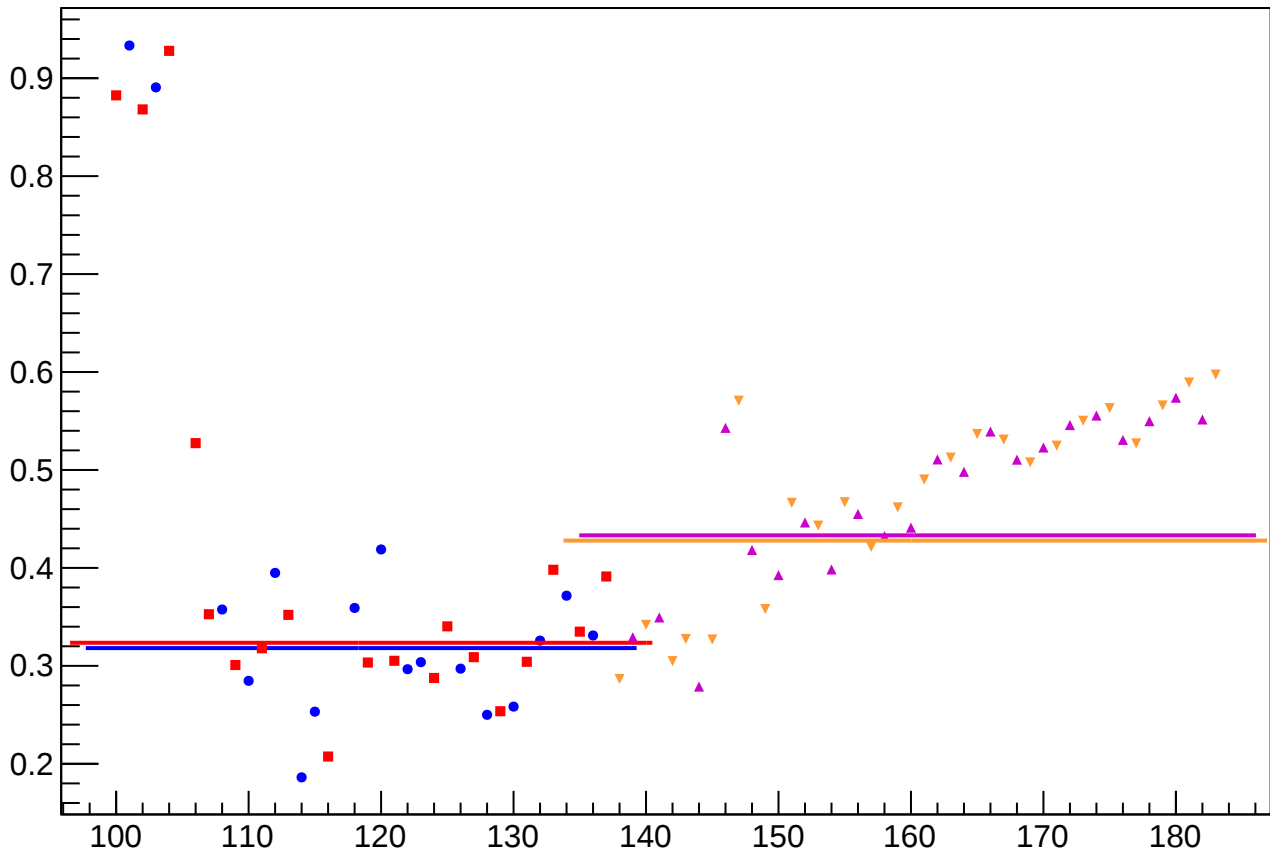
yield_bcm_an_us_mean vs Slug



Right In: 143.990 $\pm$ 0.000 χ^2 /NDF: 3661758828.8/16
 Left Out: 147.914 $\pm$ 0.000 χ^2 /NDF: 64388902.4/23
 Right Out: 144.724 $\pm$ 0.000 χ^2 /NDF: 4474261871.8/18
 Left In: 147.482 $\pm$ 0.000 χ^2 /NDF: 342643562.7/21

+ sign 146.440 $\pm$ 0.000 χ^2 /NDF: 4254215341.6/40
 All: 146.413 $\pm$ 0.000 χ^2 /NDF: 9327031794.8
 - sign 146.385 $\pm$ 0.000 χ^2 /NDF: 5072604228.4/40

yield_bcm_an_us_rms vs Slug



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1287972.7/16

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1838100.7/23

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1220104.3/18

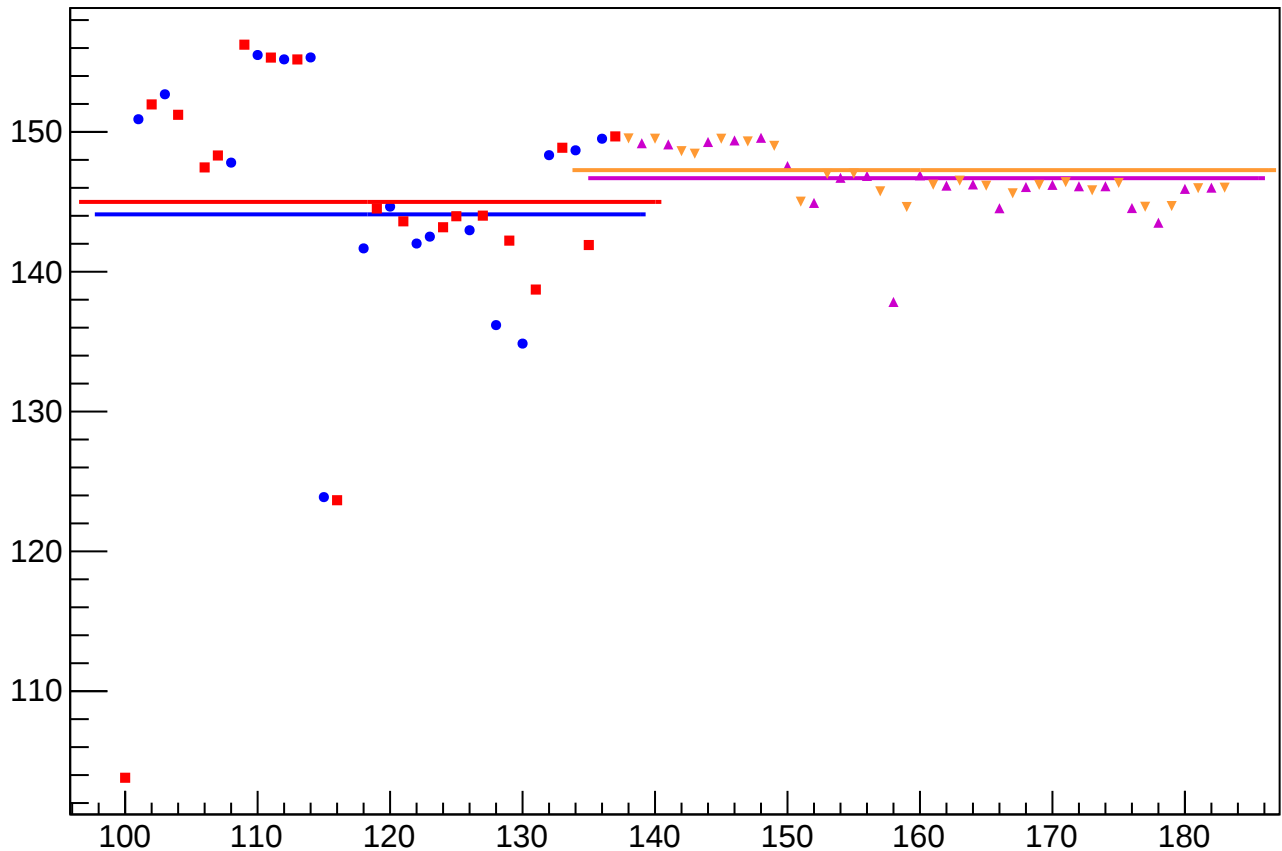
Left In: 0.433 $\pm$ 0.000 χ^2 /NDF:1435401.9/21

+ sign 0.387 $\pm$ 0.000 χ^2 /NDF: 3952333.9/40

All: 0.388 $\pm$ 0.000 χ^2 /NDF: 7418167.6/81

- sign 0.390 $\pm$ 0.000 χ^2 /NDF: 3464556.3/40

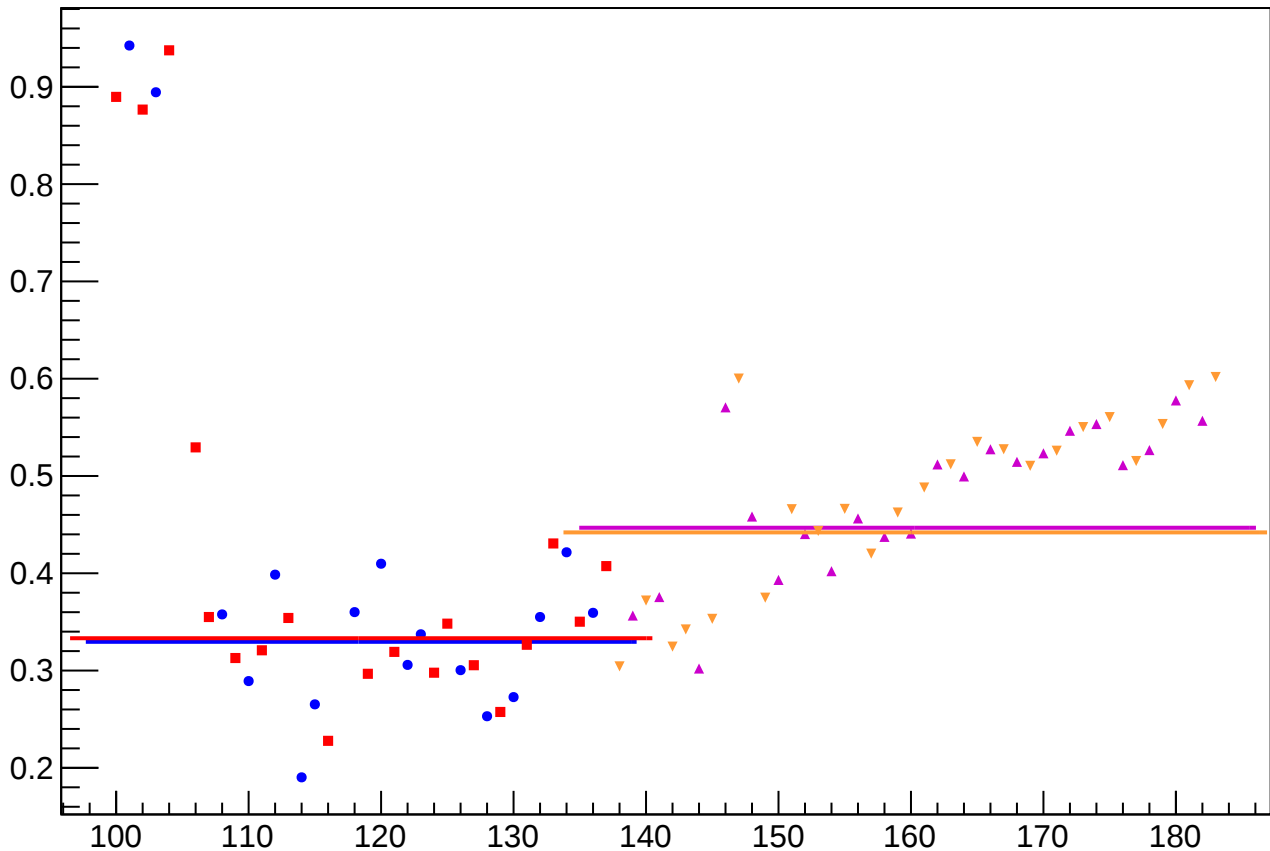
yield_bcm_dg_us_mean vs Slug



Right In: 144.104 ± 0.000 χ^2/NDF : 3160280337.5/16
 Left Out: 147.267 ± 0.000 χ^2/NDF : 260730993.3/23
 Right Out: 144.995 ± 0.000 χ^2/NDF : 3854490205.5/18
 Left In: 146.691 ± 0.000 χ^2/NDF : 554538220.4/21

+ sign 146.091 ± 0.000 χ^2/NDF : 3742083039.2/40
 All: 146.056 ± 0.000 χ^2/NDF : 8242953710.1
 - sign 146.020 ± 0.000 χ^2/NDF : 4500528797.0/40

yield_bcm_dg_us_rms vs Slug



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1270354.0/16

Left Out: 0.442 $\pm$ 0.000 χ^2 /NDF:1432857.9/23

Right Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 1179001.1/18

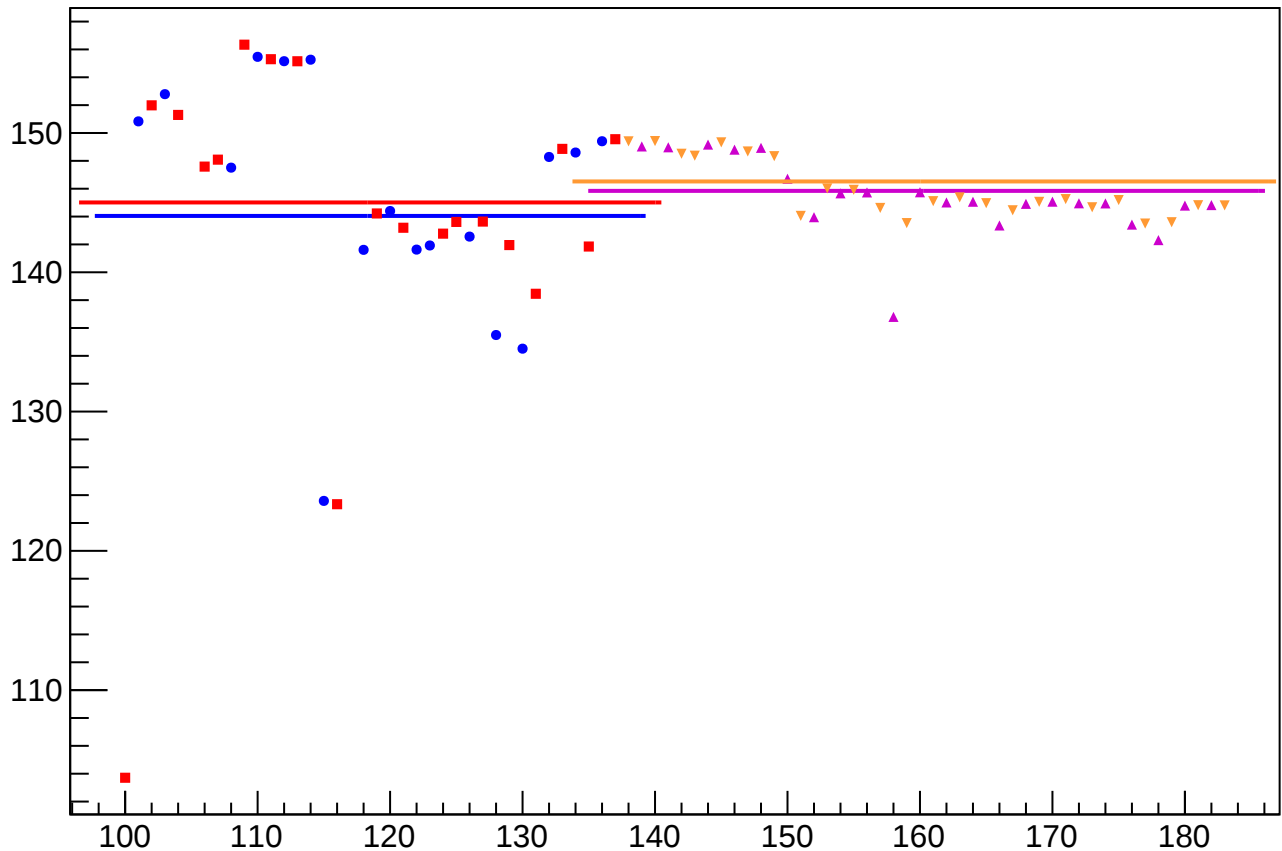
Left In: 0.447 $\pm$ 0.000 χ^2 /NDF:1075445.0/21

+ sign 0.400 $\pm$ 0.000 χ^2 /NDF: 3514626.9/40

All: 0.401 $\pm$ 0.000 χ^2 /NDF: 6589065.3/81

- sign 0.402 $\pm$ 0.000 χ^2 /NDF: 3074065.2/40

yield_bcm_dg_ds_mean vs Slug



Right In: 144.046 $\pm$ 0.000 χ^2 /NDF: 3279467915.9/16

Left Out: 146.522 $\pm$ 0.000 χ^2 /NDF: 399147680.7/23

Right Out: 145.013 $\pm$ 0.000 χ^2 /NDF: 3930693089.2/18

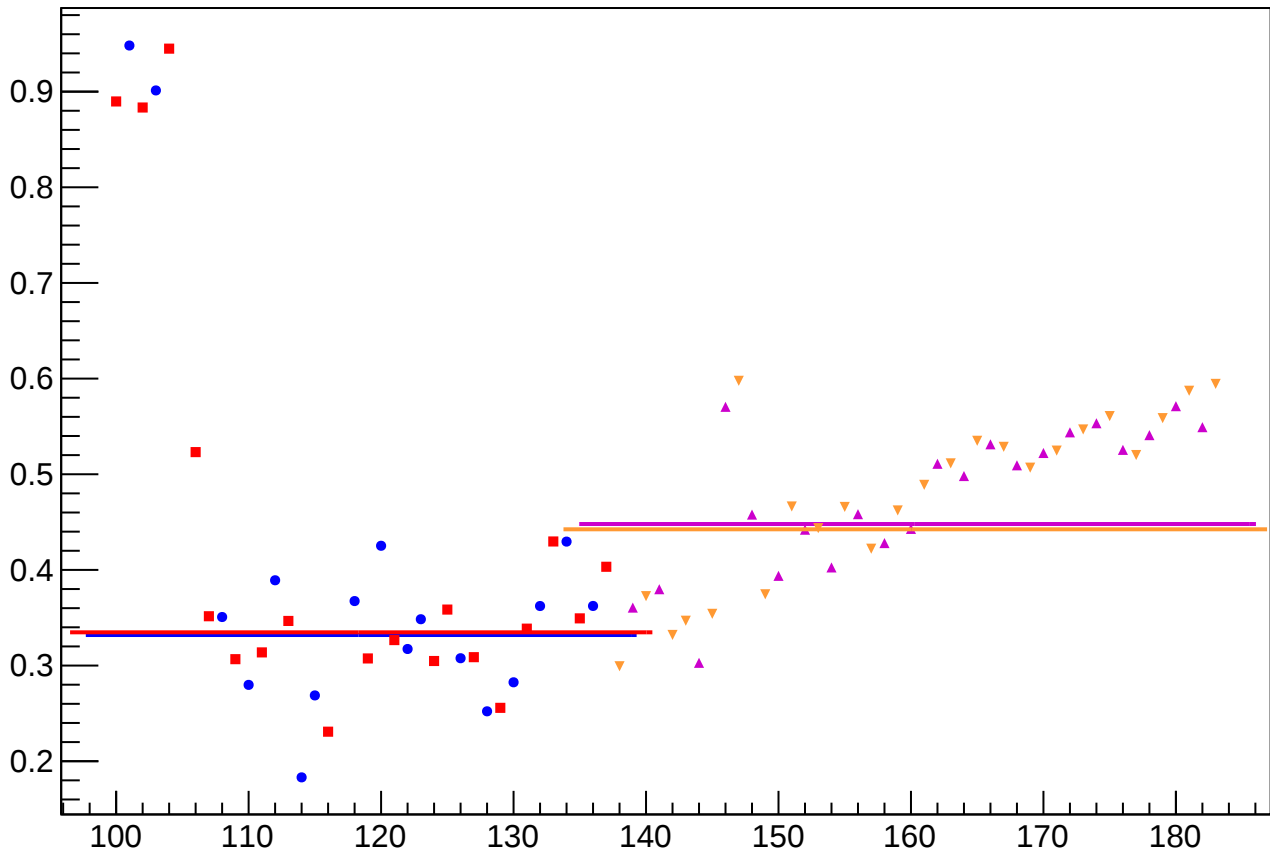
Left In: 145.845 $\pm$ 0.000 χ^2 /NDF: 689298981.0/21

+ sign 145.610 $\pm$ 0.000 χ^2 /NDF: 3872893264.2/40

All: 145.564 $\pm$ 0.000 χ^2 /NDF: 8515237501.6

- sign 145.517 $\pm$ 0.000 χ^2 /NDF: 4641757699.1/40

yield_bcm_dg_ds_rms vs Slug



Right In: 0.332 $\pm$ 0.000 χ^2 /NDF: 1287882.2/16

Left Out: 0.442 $\pm$ 0.000 χ^2 /NDF: 1415163.0/23

Right Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1168458.2/18

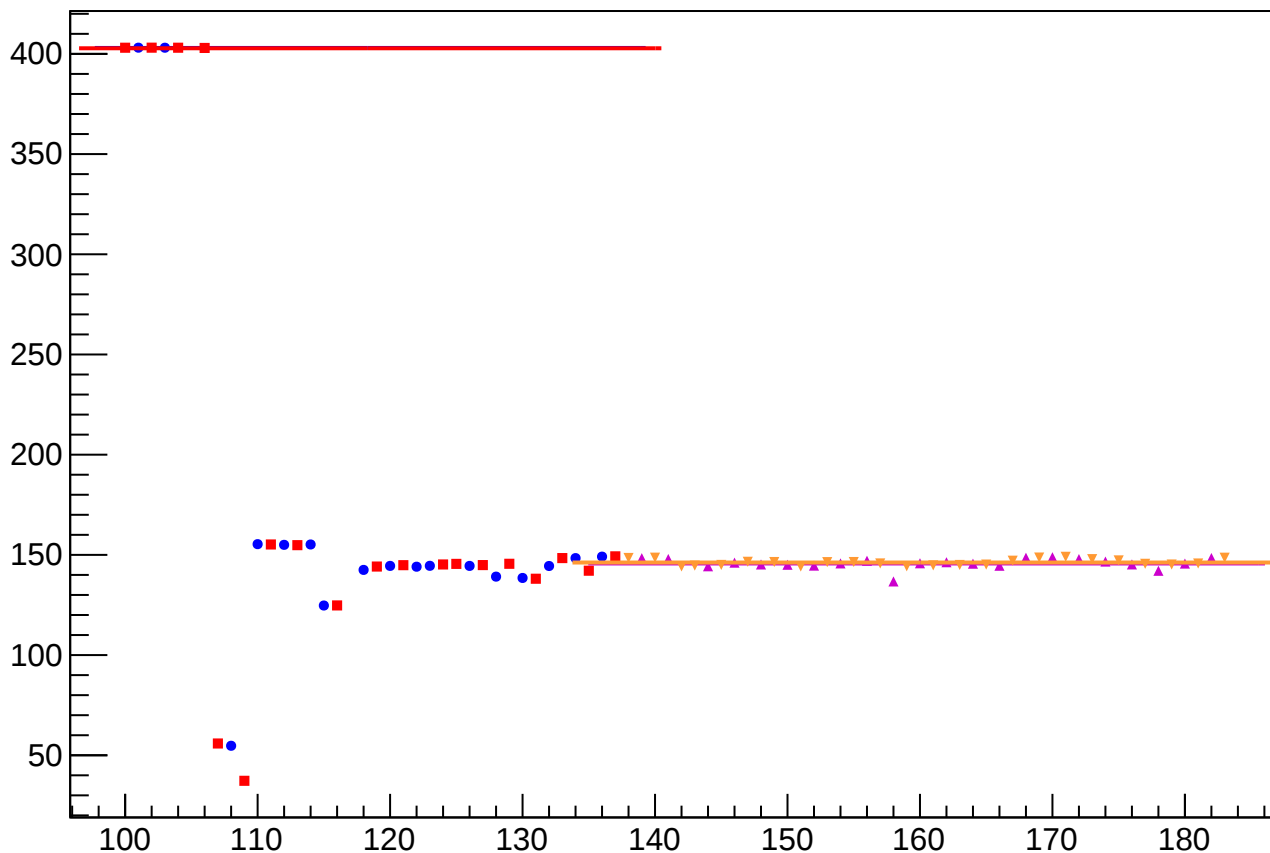
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF: 1051226.8/21

+ sign 0.402 $\pm$ 0.000 χ^2 /NDF: 3477204.4/40

All: 0.403 $\pm$ 0.000 χ^2 /NDF: 6504728.8/81

- sign 0.403 $\pm$ 0.000 χ^2 /NDF: 3027194.6/40

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1097981079296.6/16

Left Out: 146.186+/-0.000 χ^2/NDF : 83772069.7/23

Right Out: 402.798+/-0.000 χ^2/NDF : 3106239706226.1/18

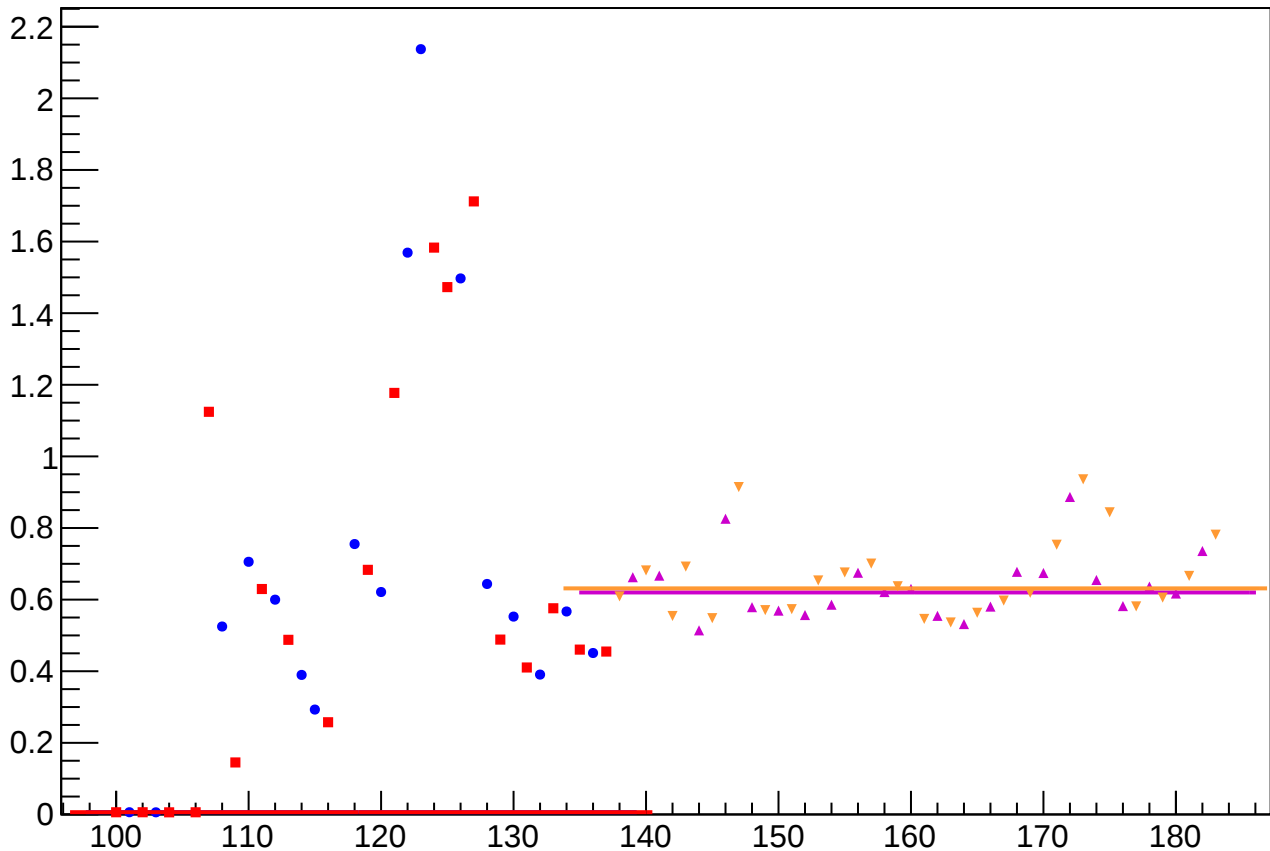
Left In: 145.712+/-0.000 χ^2/NDF : 201900644.6/21

+ sign 402.666+/-0.000 χ^2/NDF : 3427865427536.6

All: 402.602+/-0.000 χ^2/NDF : 883006417595

- sign 402.545+/-0.000 χ^2/NDF : 5401957498397.2

yield_cav4bQ_rms vs Slug



Right In: 0.006 ± 0.000 χ^2/NDF : 9127939.0/16

Left Out: 0.631 ± 0.000 χ^2/NDF : 608414.6/23

Right Out: 0.006 ± 0.000 χ^2/NDF : 9171738.5/18

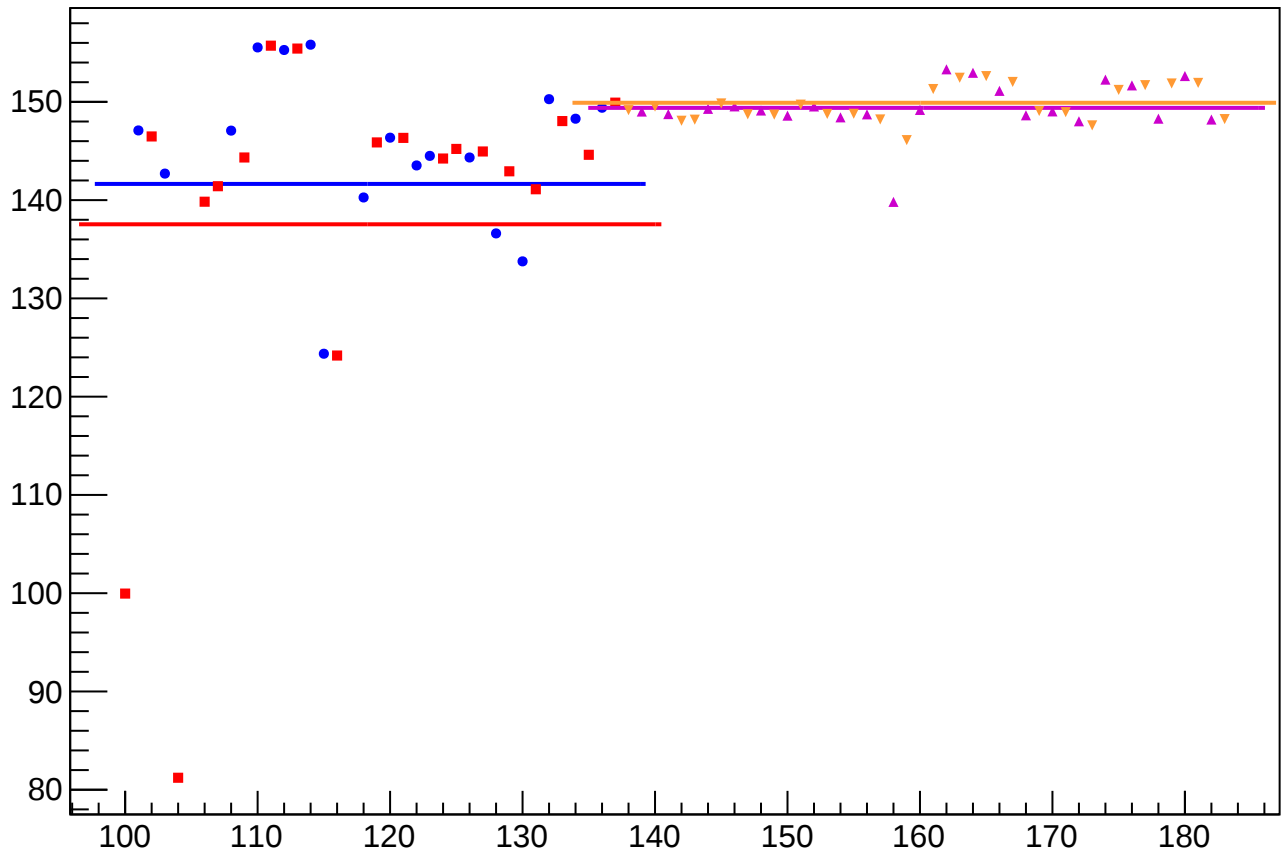
Left In: 0.620 ± 0.000 χ^2/NDF : 388252.8/21

+ sign 0.007 ± 0.000 χ^2/NDF : 37349713.2/40

All: 0.007 ± 0.000 χ^2/NDF : 73071007.4/81

- sign 0.007 ± 0.000 χ^2/NDF : 35720850.2/40

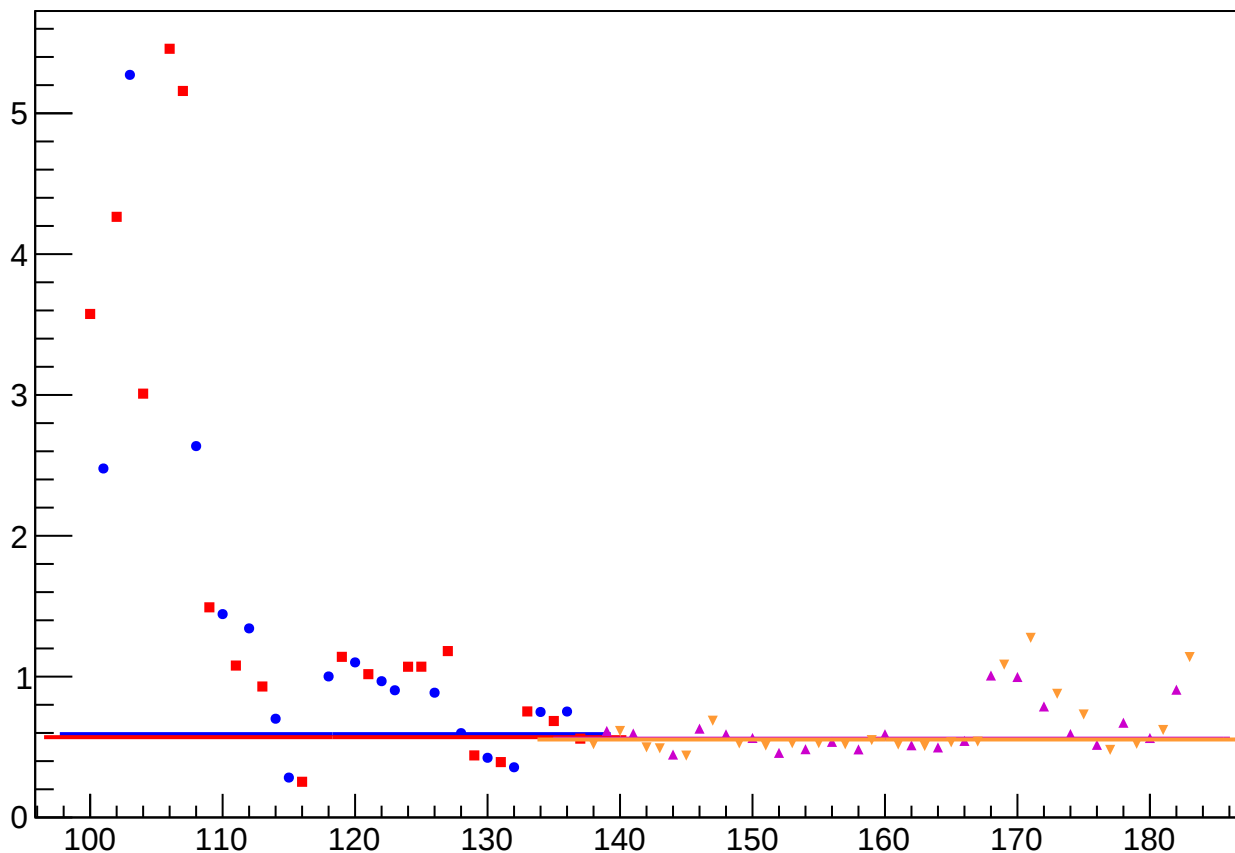
yield_cav4cQ_mean vs Slug



Right In: 141.649 ± 0.000 χ^2/NDF : 978960977.0/16
 Left Out: 149.907 ± 0.000 χ^2/NDF : 162105160.1/23
 Right Out: 137.540 ± 0.000 χ^2/NDF : 1319926808.9/18
 Left In: 149.388 ± 0.000 χ^2/NDF : 434260368.3/21

+ sign 148.533 ± 0.000 χ^2/NDF : 1715083274.8/40
 All: 147.897 ± 0.000 χ^2/NDF : 4724532821.4
 - sign 147.227 ± 0.000 χ^2/NDF : 2959089911.0/40

yield_cav4cQ_rms vs Slug



Right In: 0.592 ± 0.000 χ^2/NDF : 3518726.1/16

Left Out: 0.554 ± 0.000 χ^2/NDF : 1665597.2/23

Right Out: 0.570 ± 0.000 χ^2/NDF : 4645113.2/18

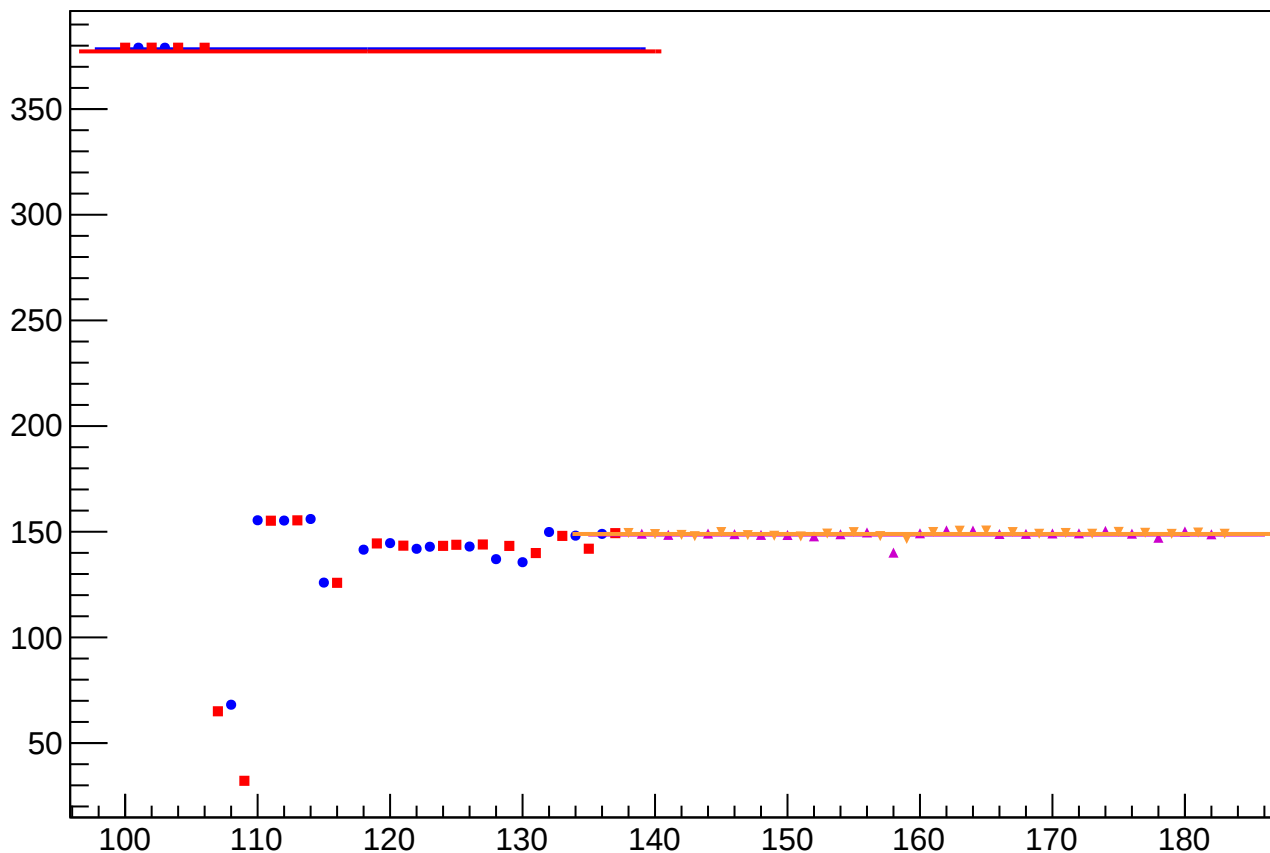
Left In: 0.560 ± 0.000 χ^2/NDF : 1206137.5/21

+ sign 0.560 ± 0.000 χ^2/NDF : 5208690.3/40

All: 0.561 ± 0.000 χ^2/NDF : 11061985.1/81

- sign 0.561 ± 0.000 χ^2/NDF : 5853157.4/40

yield_cav4dQ_mean vs Slug



Right In: 378.288+/-0.000 χ^2/NDF : 2492505563660.4/16

Left Out: 148.946+/-0.000 χ^2/NDF : 63954739.2/23

Right Out: 377.290+/-0.000 χ^2/NDF : 8277094761031.6/18

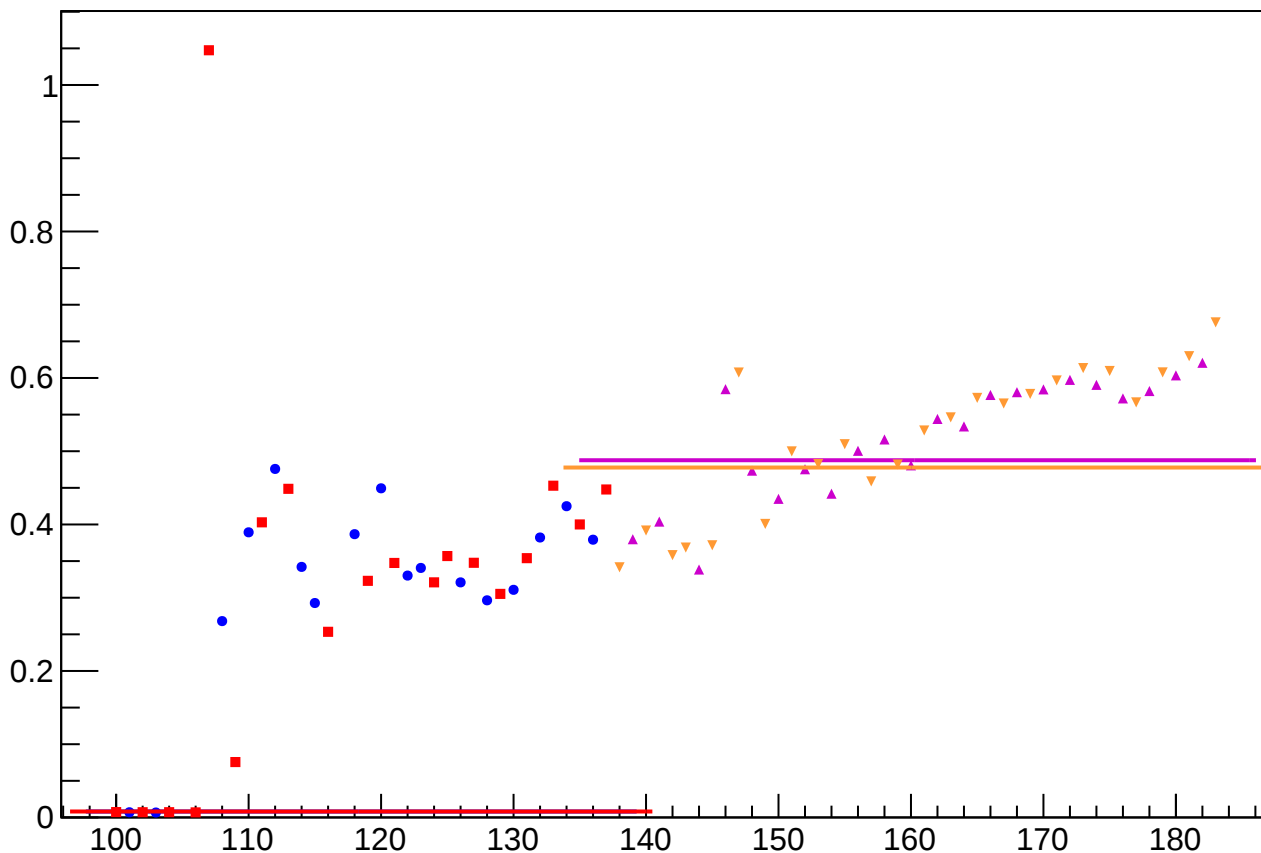
Left In: 148.670+/-0.000 χ^2/NDF : 252794061.7/21

+ sign 377.016+/-0.000 χ^2/NDF : 6375644247894.9

All: 376.621+/-0.000 χ^2/NDF : 181850542312

- sign 376.273+/-0.000 χ^2/NDF : 11805479503072.7

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9842025.8/16

Left Out: 0.478+/-0.000 χ^2/NDF : 1458439.0/23

Right Out: 0.008+/-0.000 χ^2/NDF : 9491450.8/18

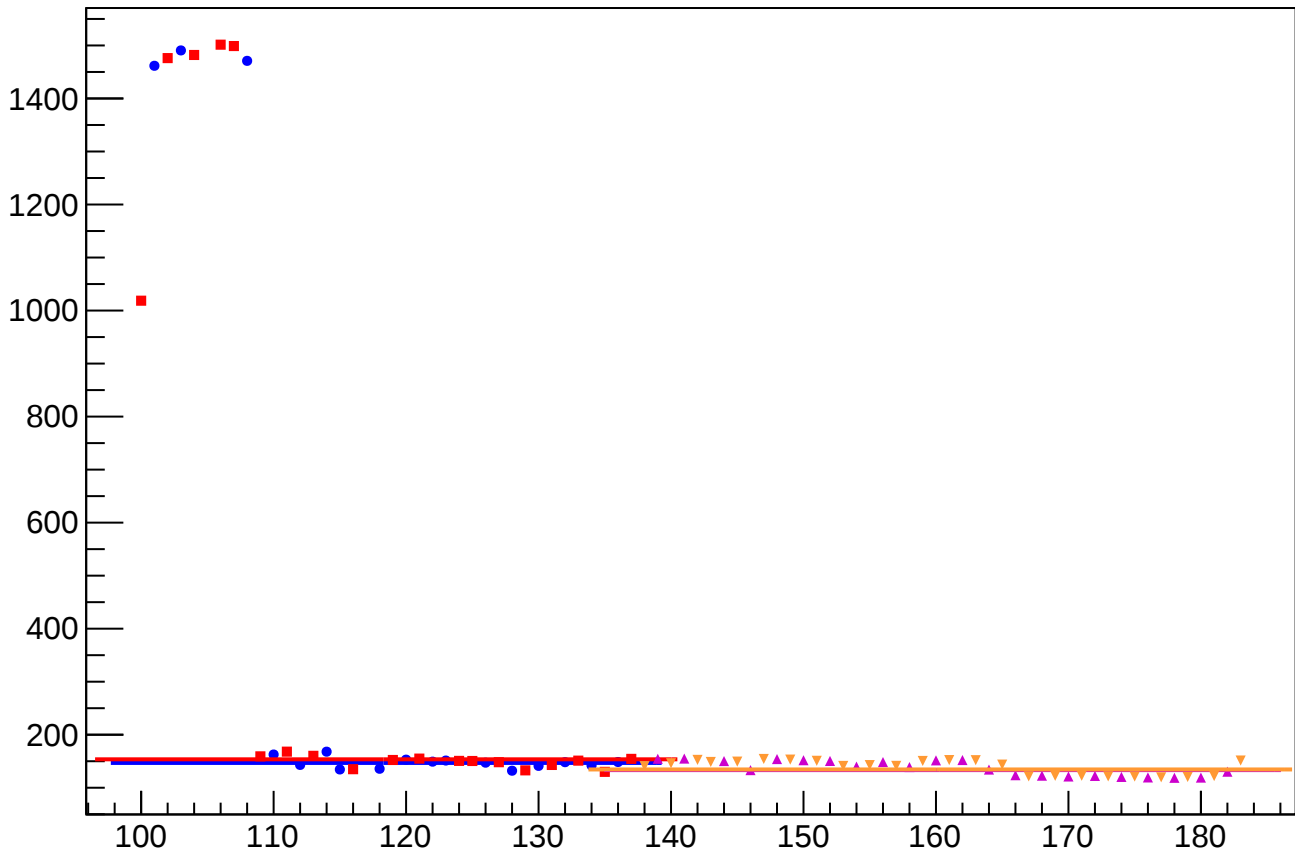
Left In: 0.488+/-0.000 χ^2/NDF : 1027368.3/21

+ sign 0.011+/-0.000 χ^2/NDF : 43864436.9/40

All: 0.010+/-0.000 χ^2/NDF : 85433586.7/81

- sign 0.010+/-0.000 χ^2/NDF : 41566281.7/40

yield_bcm0l02_mean vs Slug



Right In: 146.782 $\pm$ 0.000 χ^2 /NDF: 24345208780.4/16

Left Out: 134.465 $\pm$ 0.000 χ^2 /NDF: 4336299261.1/23

Right Out: 153.596 $\pm$ 0.000 χ^2 /NDF: 33791266543.9/18

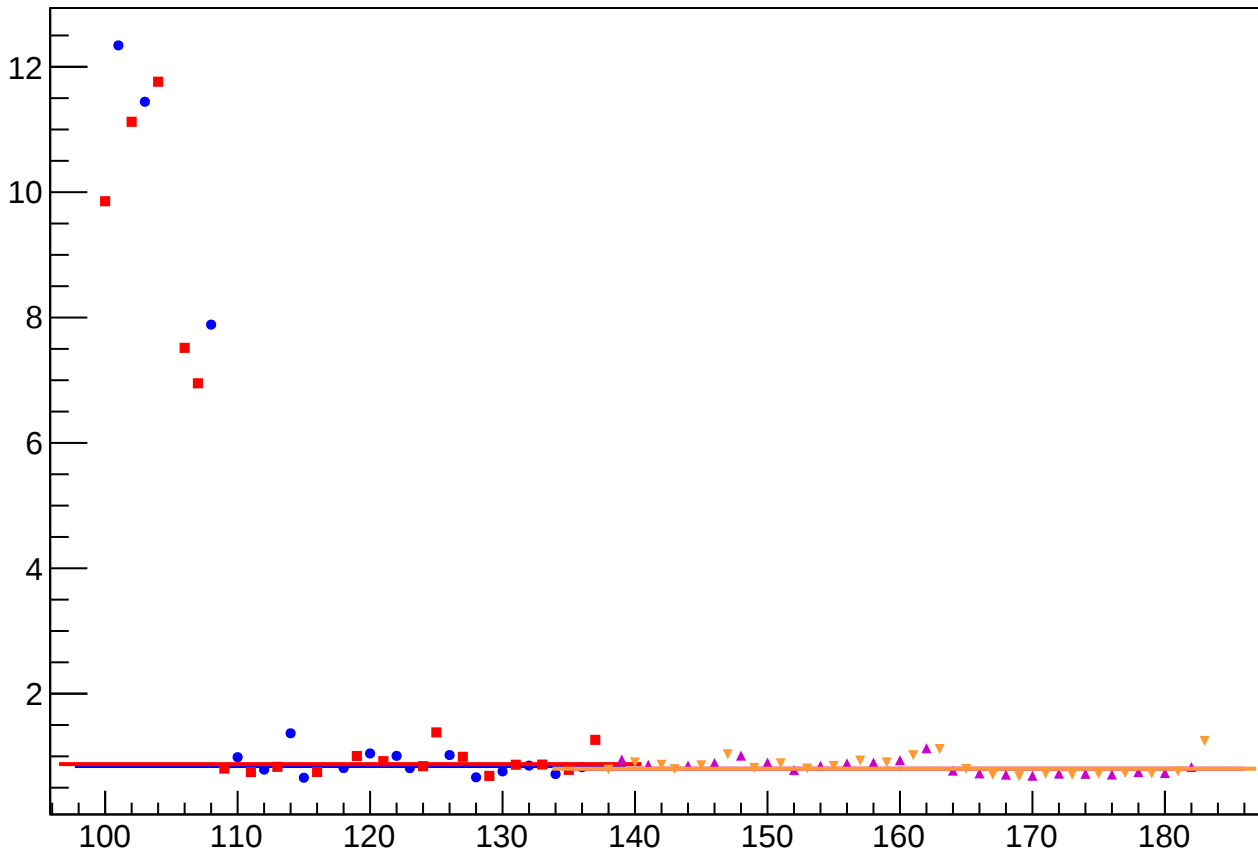
Left In: 133.262 $\pm$ 0.000 χ^2 /NDF: 4290537891.6/21

+ sign 136.732 $\pm$ 0.000 χ^2 /NDF: 29340857951.3/40

All: 136.932 $\pm$ 0.000 χ^2 /NDF: 69200422445.0

- sign 137.139 $\pm$ 0.000 χ^2 /NDF: 39857219680.3/40

yield_bcm0l02_rms vs Slug



Right In: 0.846 ± 0.000 χ^2/NDF : 2658649.7/16

Left Out: 0.803 ± 0.000 χ^2/NDF : 611324.1/23

Right Out: 0.876 ± 0.000 χ^2/NDF : 2826804.8/18

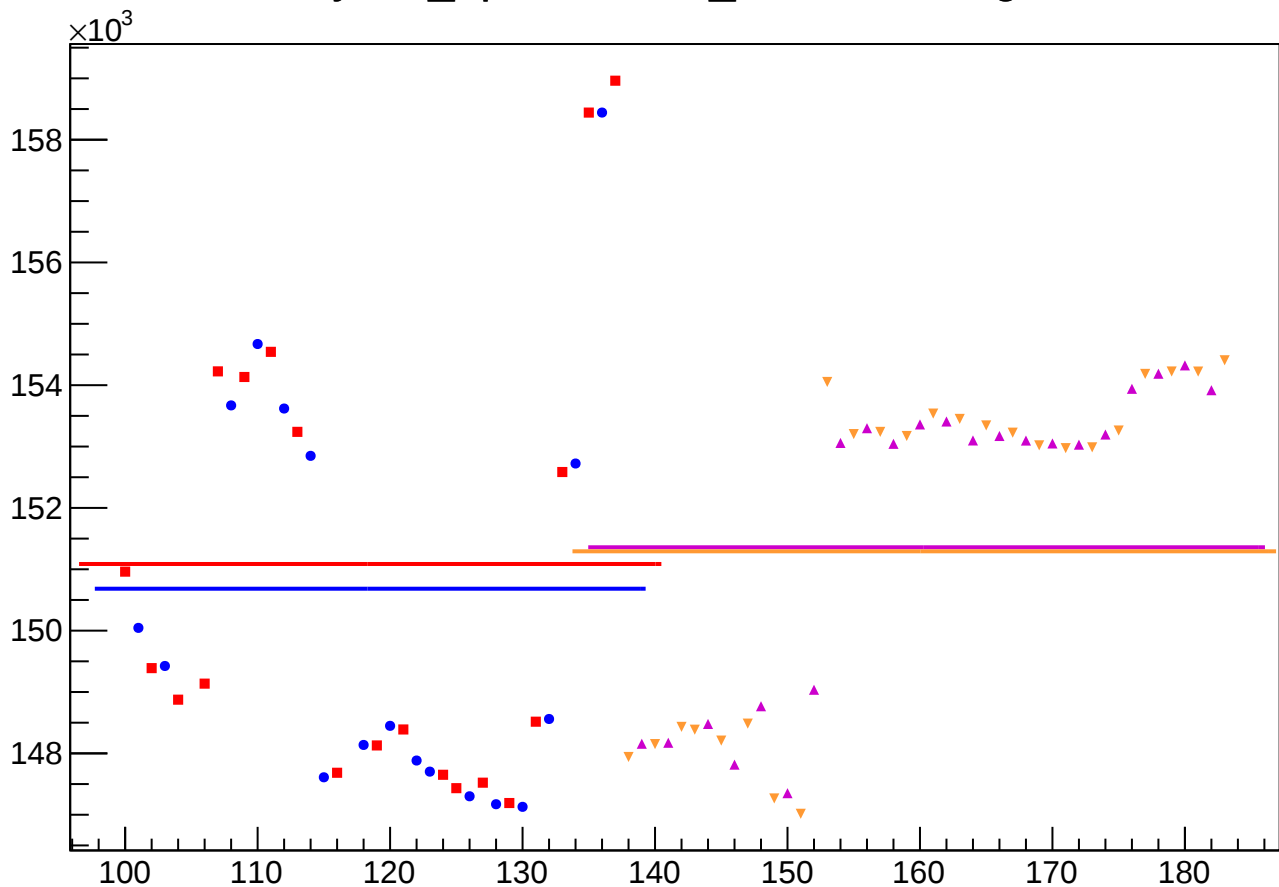
Left In: 0.803 ± 0.000 χ^2/NDF : 460850.1/21

+ sign 0.811 ± 0.000 χ^2/NDF : 3285536.7/40

All: 0.814 ± 0.000 χ^2/NDF : 6620240.7/81

- sign 0.817 ± 0.000 χ^2/NDF : 3333819.7/40

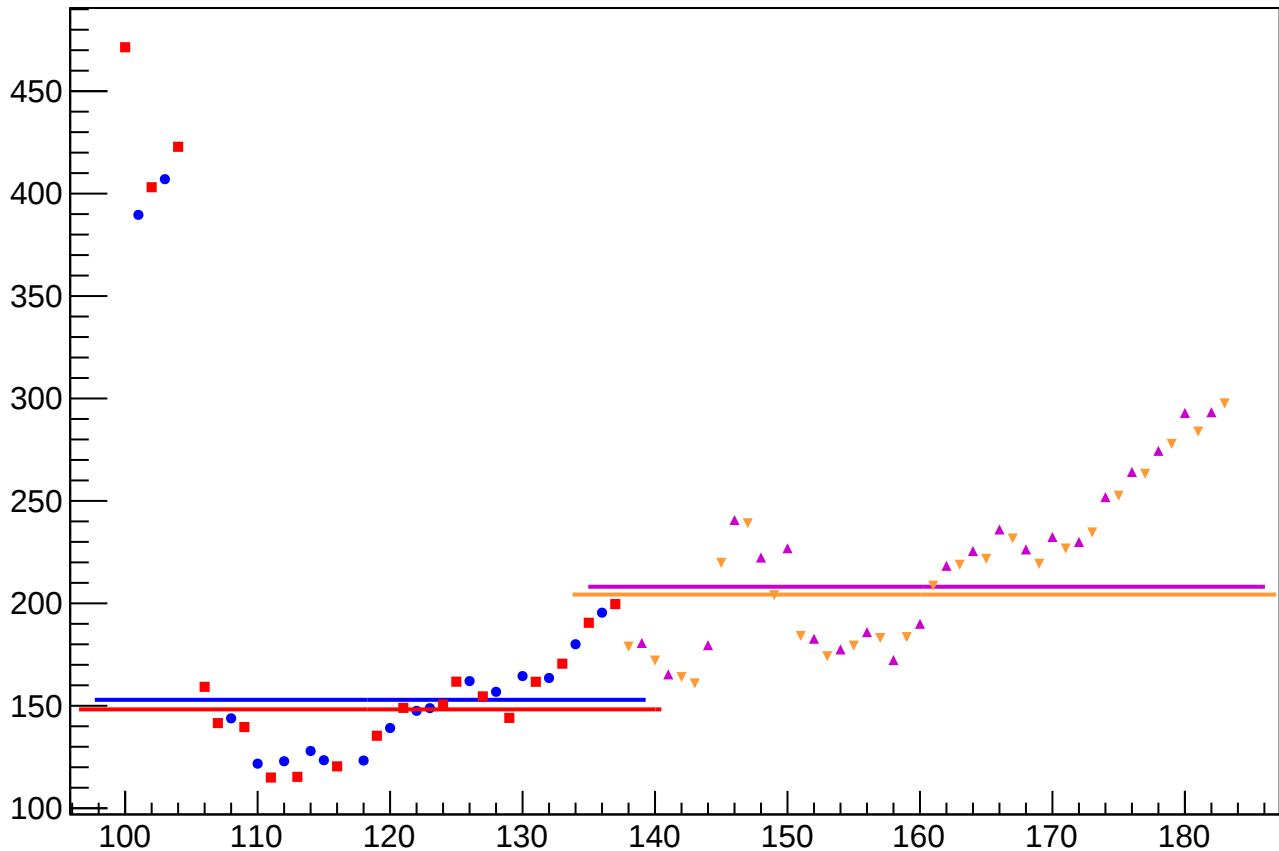
yield_bpm0i01WS_mean vs Slug



Right In: 150683.304 ± 0.063 $\chi^2/\text{NDF}: 3299311261.5/16$
 Left Out: 151292.730 ± 0.049 $\chi^2/\text{NDF}: 3127421259.4/23$
 Right Out: 151086.261 ± 0.060 $\chi^2/\text{NDF}: 3297509595.7/18$
 Left In: 151358.467 ± 0.051 $\chi^2/\text{NDF}: 2342195661.8/21$

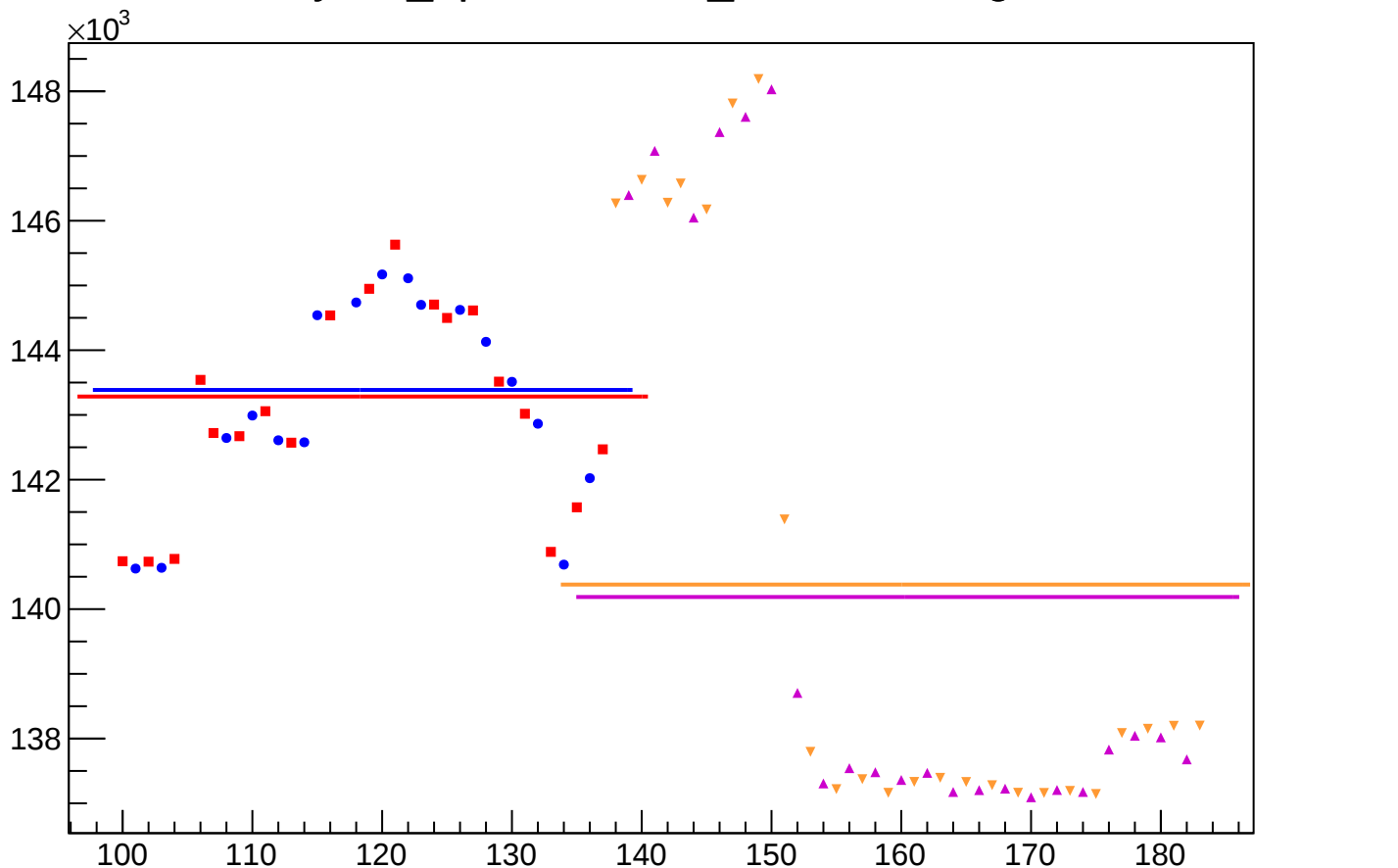
+ sign 151064.337 ± 0.039 $\chi^2/\text{NDF}: 6485063752.4$
 - sign 151242.611 ± 0.039 $\chi^2/\text{NDF}: 5651641161.0$
 All: 151152.713 ± 0.027 $\chi^2/\text{NDF}: 121472652$

yield_bpm0i01WS_rms vs Slug



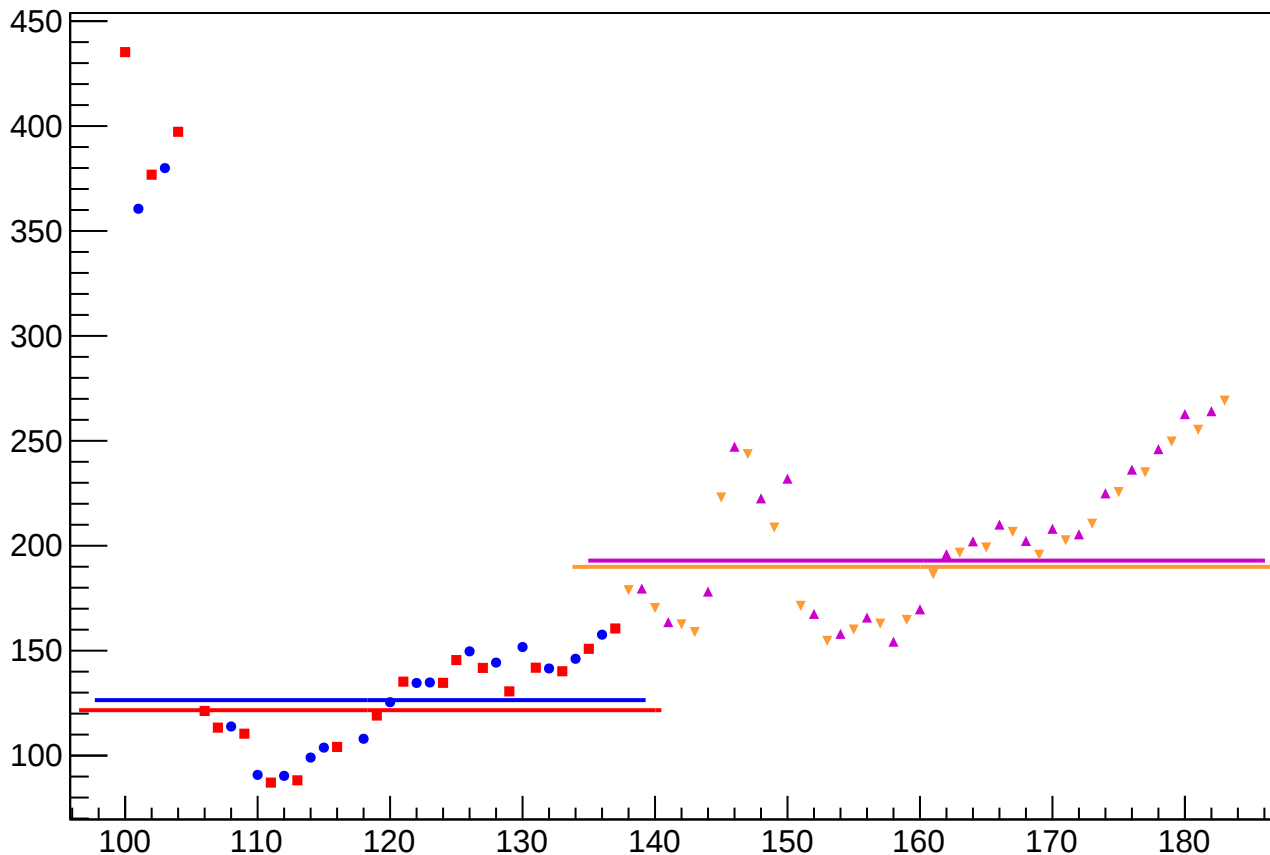
Right In: 152.916 $\pm$ 0.045	χ^2 /NDF: 1154367.4/16	+ sign 185.034 $\pm$ 0.027	χ^2 /NDF: 2992610.2/40
Left Out: 204.285 $\pm$ 0.035	χ^2 /NDF: 1009343.8/23	All: 183.840 $\pm$ 0.019	χ^2 /NDF: 6295499.6/81
Right Out: 148.245 $\pm$ 0.042	χ^2 /NDF: 1189017.0/18	- sign 182.626 $\pm$ 0.028	χ^2 /NDF: 3299036.5/40
Left In: 208.102 $\pm$ 0.036	χ^2 /NDF: 955720.9/21		

yield_bpm0i01aWS_mean vs Slug



Right In: 143385.822 $\pm$ 0.053 χ^2/NDF : 520518329.3/16
 Left Out: 140379.145 $\pm$ 0.045 χ^2/NDF : 8662200602.9/23
 Right Out: 143284.246 $\pm$ 0.049 χ^2/NDF : 608478885.8/18
 Left In: 140187.285 $\pm$ 0.048 χ^2/NDF : 8007535107.6/21

yield_bpm0i01aWS_rms vs Slug



Right In: 126.427 $\pm$ 0.037 χ^2 /NDF: 1442156.7/16

Left Out: 189.935 $\pm$ 0.032 χ^2 /NDF: 908435.8/23

Right Out: 121.629 $\pm$ 0.035 χ^2 /NDF: 1458546.9/18

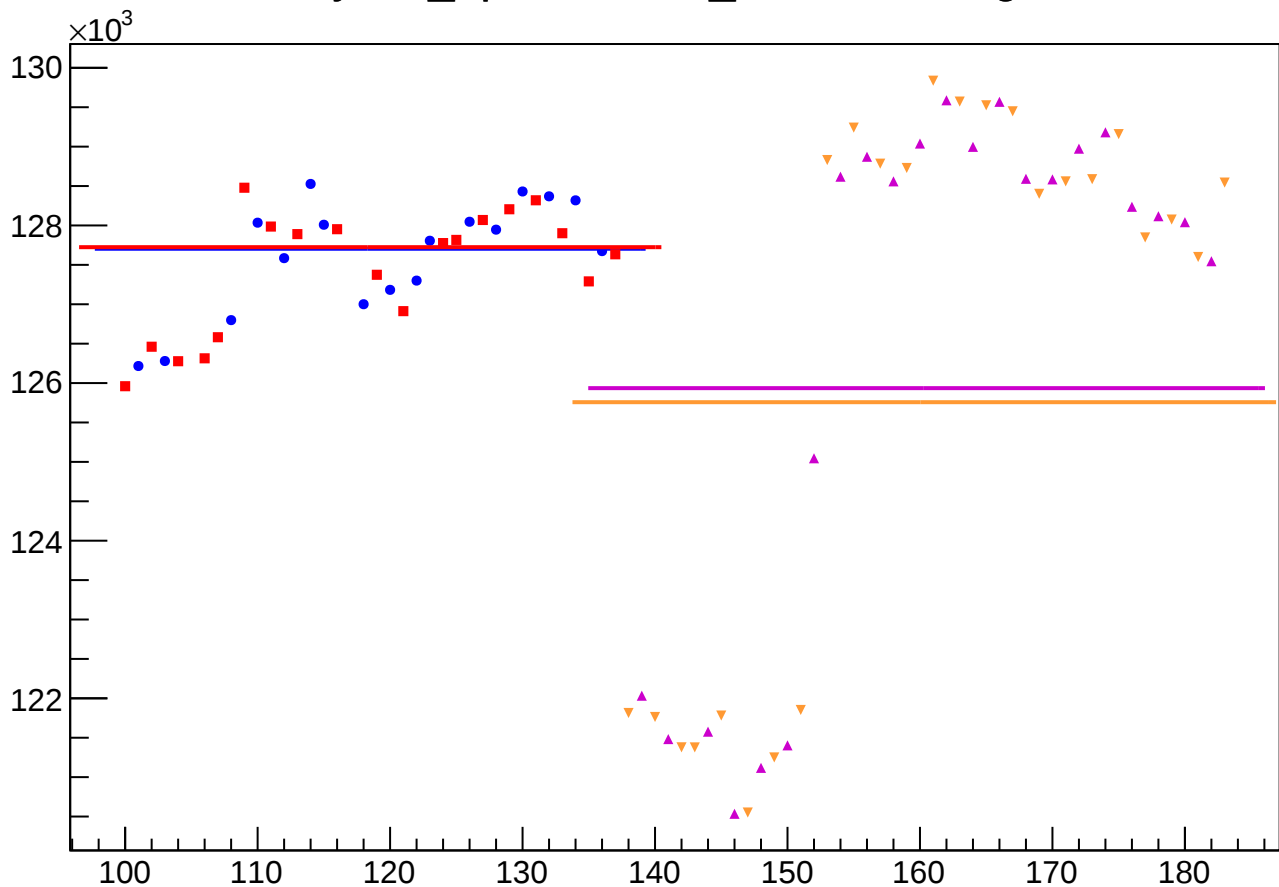
Left In: 192.924 $\pm$ 0.034 χ^2 /NDF: 922823.6/21

+ sign 162.951 $\pm$ 0.024 χ^2 /NDF: 4015022.0/40

All: 160.635 $\pm$ 0.017 χ^2 /NDF: 8585149.2/81

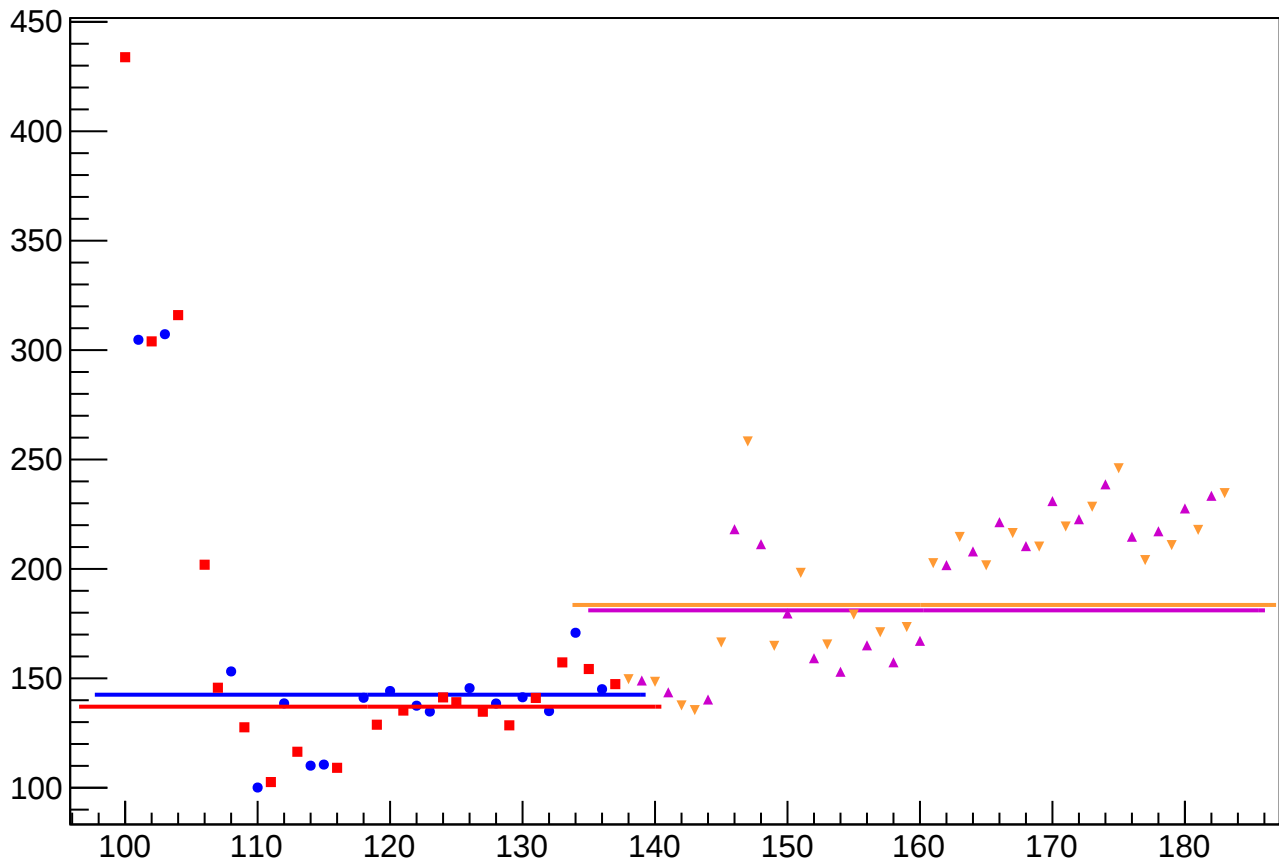
- sign 158.348 $\pm$ 0.024 χ^2 /NDF: 4552124.7/40

yield_bpm0l01WS_mean vs Slug



Right In: 127704.536 $\pm$ 0.058	χ^2 /NDF: 97614287.1/16	+ sign 126470.170 $\pm$ 0.035	χ^2 /NDF: 7501766140.9
Left Out: 125757.404 $\pm$ 0.044	χ^2 /NDF: 6693993646.9/23	All: 126566.566 $\pm$ 0.025	χ^2 /NDF: 140522949
Right Out: 127724.288 $\pm$ 0.055	χ^2 /NDF: 112647022.0/18	- sign 126660.381 $\pm$ 0.035	χ^2 /NDF: 6535728792.4/
Left In: 125935.656 $\pm$ 0.045	χ^2 /NDF: 5783590865.2/21		

yield_bpm0l01WS_rms vs Slug



Right In: 142.524+/-0.041 χ^2/NDF : 836220.9/16

Left Out: 183.539+/-0.031 χ^2/NDF : 1104684.7/23

Right Out: 137.050+/-0.039 χ^2/NDF : 956482.5/18

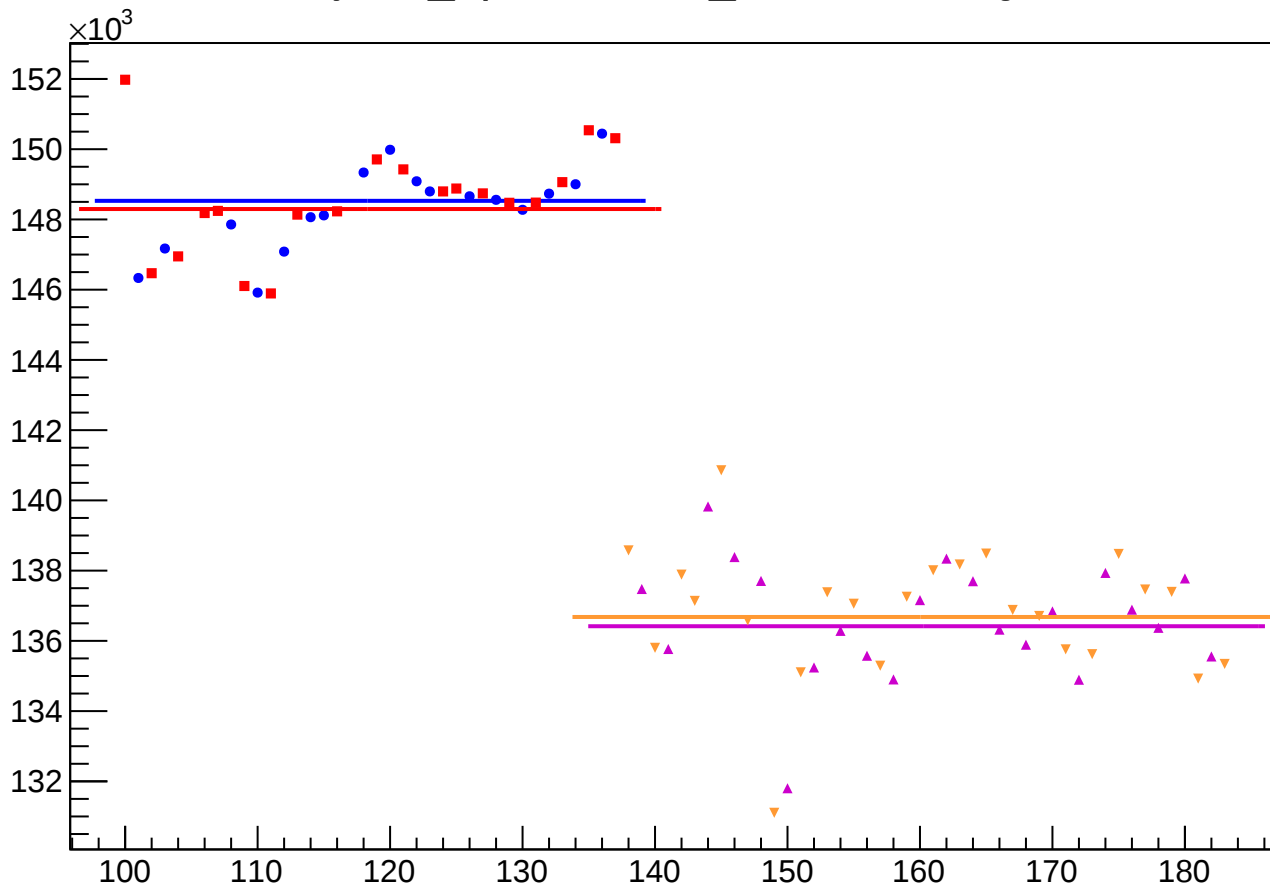
Left In: 181.065+/-0.032 χ^2/NDF : 1074642.9/21

+ sign 168.525+/-0.025 χ^2/NDF : 2571091.7/40

All: 165.842+/-0.017 χ^2/NDF : 5399676.8/81

- sign 163.231+/-0.025 χ^2/NDF : 2805654.8/40

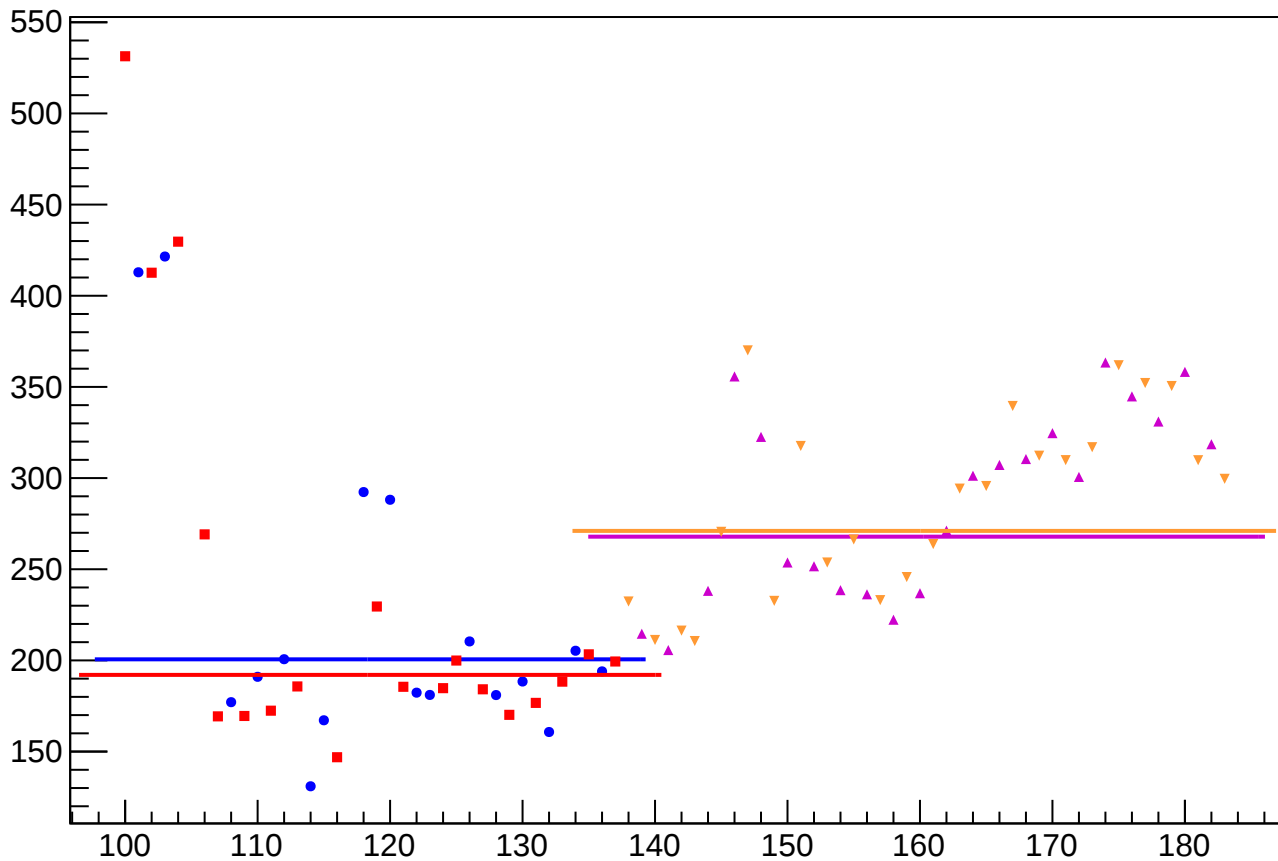
yield_bpm0l02WS_mean vs Slug



Right In: 148529.735 ± 0.082 $\chi^2/\text{NDF}: 209963911.3/16$
 Left Out: 136680.234 ± 0.065 $\chi^2/\text{NDF}: 913774089.9/23$
 Right Out: 148296.414 ± 0.076 $\chi^2/\text{NDF}: 293172260.2/18$
 Left In: 136416.710 ± 0.066 $\chi^2/\text{NDF}: 691251950.8/21$

+ sign 141235.846 ± 0.051 $\chi^2/\text{NDF}: 13893317301.7$
 All: 141382.973 ± 0.036 $\chi^2/\text{NDF}: 286622197$
 - sign 141525.023 ± 0.050 $\chi^2/\text{NDF}: 14752552044.8$

yield_bpm0l02WS_rms vs Slug



Right In: 200.585+/-0.058 χ^2/NDF : 935452.3/16

Left Out: 271.029+/-0.046 χ^2/NDF : 1061708.2/23

Right Out: 192.054+/-0.054 χ^2/NDF : 845373.5/18

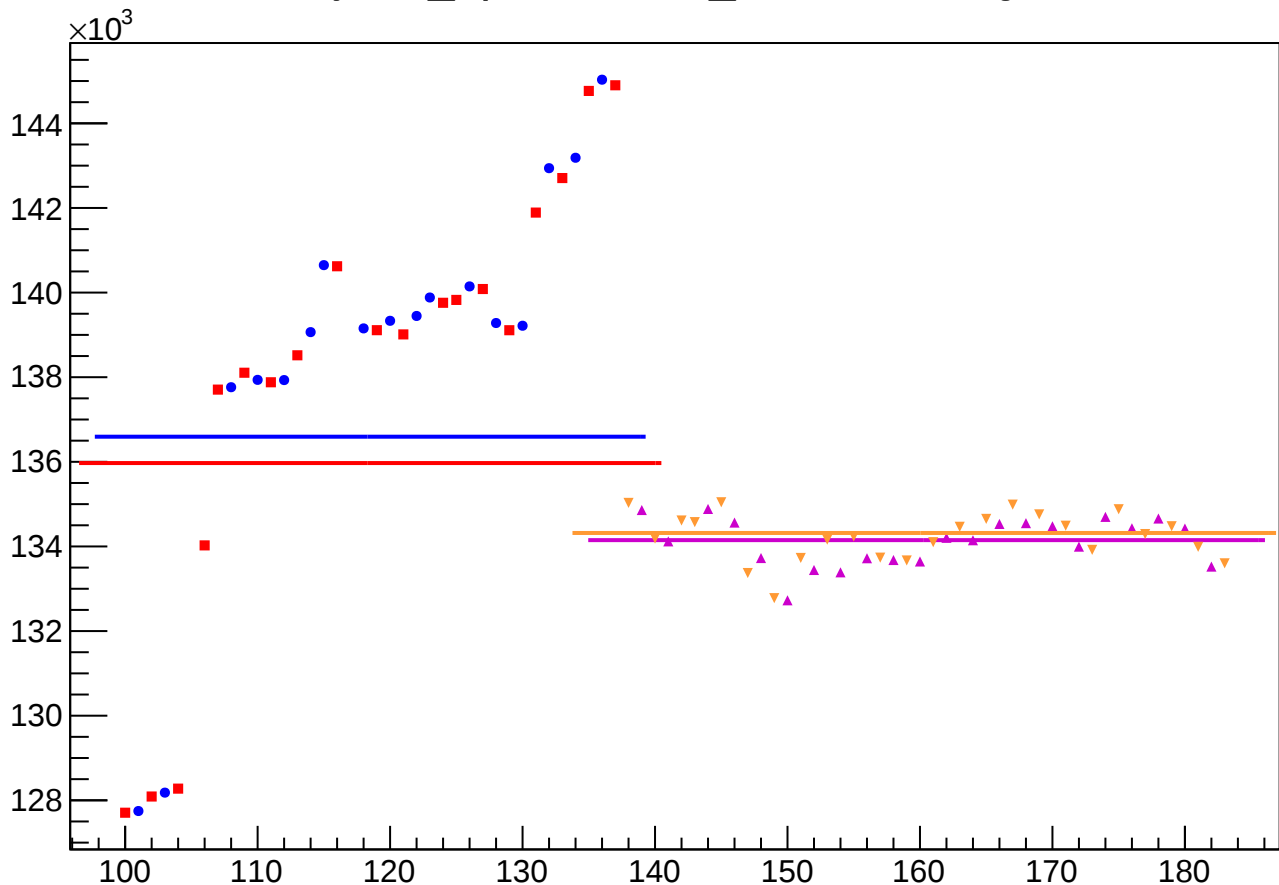
Left In: 267.864+/-0.047 χ^2/NDF : 1069149.2/21

+ sign 243.947+/-0.036 χ^2/NDF : 2899773.5/40

All: 239.530+/-0.025 χ^2/NDF : 5965129.9/81

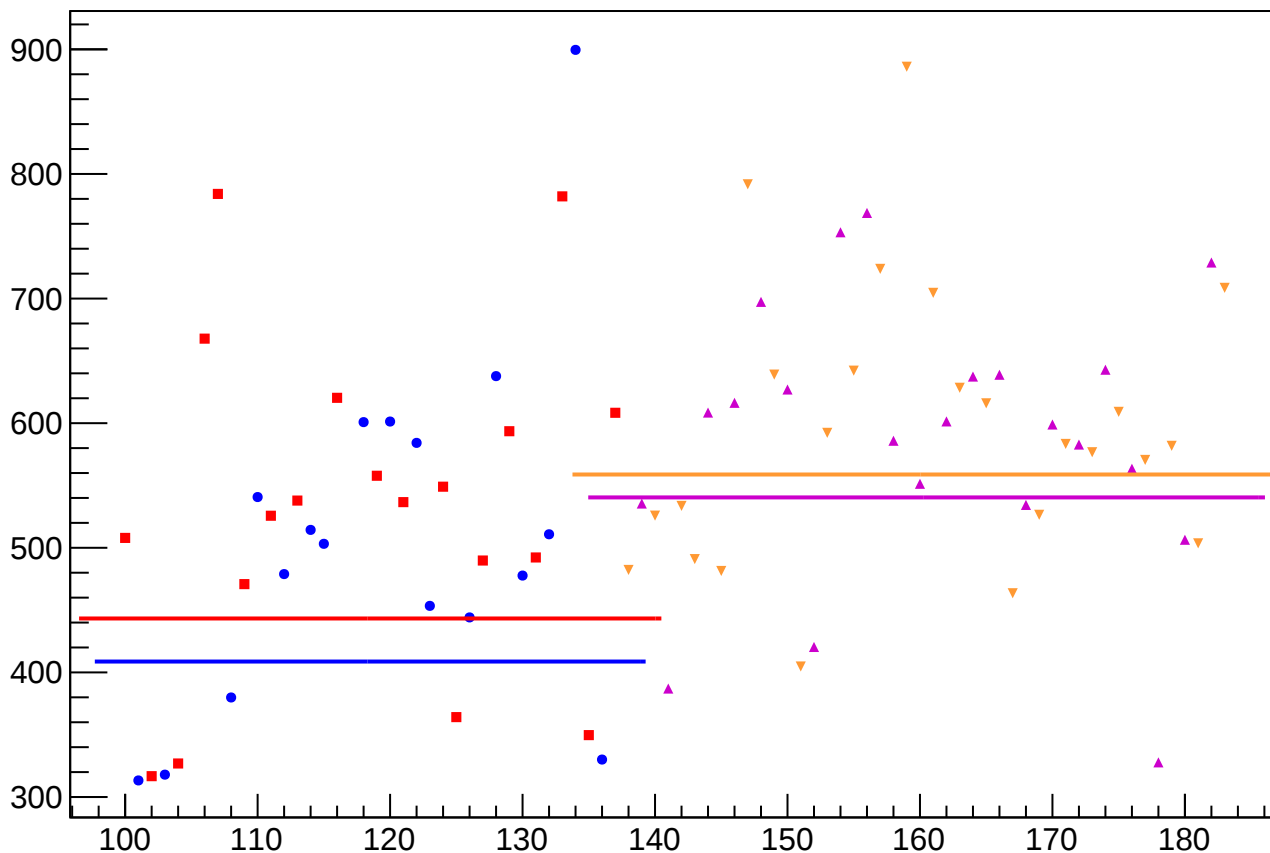
- sign 235.265+/-0.035 χ^2/NDF : 3035885.8/40

yield_bpm0l03WS_mean vs Slug



Right In: 136593.896 $\pm$ 0.172 χ^2 /NDF: 1493317567.5/16
 Left Out: 134318.553 $\pm$ 0.140 χ^2 /NDF: 15336049.3/23
 Right Out: 135970.927 $\pm$ 0.183 χ^2 /NDF: 1080815746.9/18
 Left In: 134149.172 $\pm$ 0.143 χ^2 /NDF: 14197754.3/21
 + sign 135226.010 $\pm$ 0.108 χ^2 /NDF: 1614131522.8
 All: 135040.907 $\pm$ 0.078 χ^2 /NDF: 27767098
 - sign 134841.009 $\pm$ 0.113 χ^2 /NDF: 1156522680.6

yield_bpm0l03WS_rms vs Slug



Right In: 408.721 ± 0.121 $\chi^2/\text{NDF}: 830375.0/16$

Left Out: 558.815 ± 0.099 $\chi^2/\text{NDF}: 970691.3/23$

Right Out: 443.274 ± 0.129 $\chi^2/\text{NDF}: 916555.3/18$

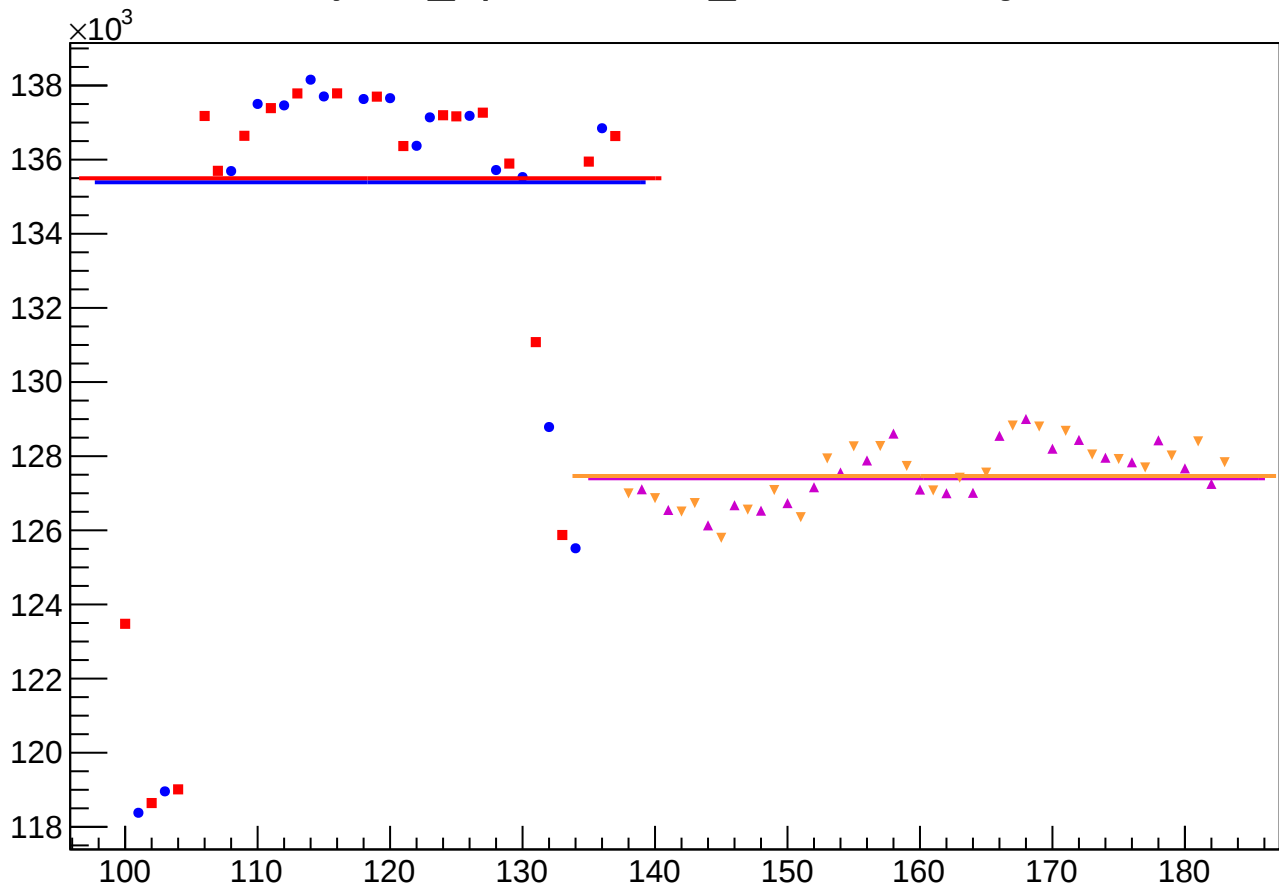
Left In: 540.428 ± 0.101 $\chi^2/\text{NDF}: 1408820.4/21$

+ sign 498.954 ± 0.077 $\chi^2/\text{NDF}: 2719029.1/40$

All: 501.155 ± 0.055 $\chi^2/\text{NDF}: 5395990.6/81$

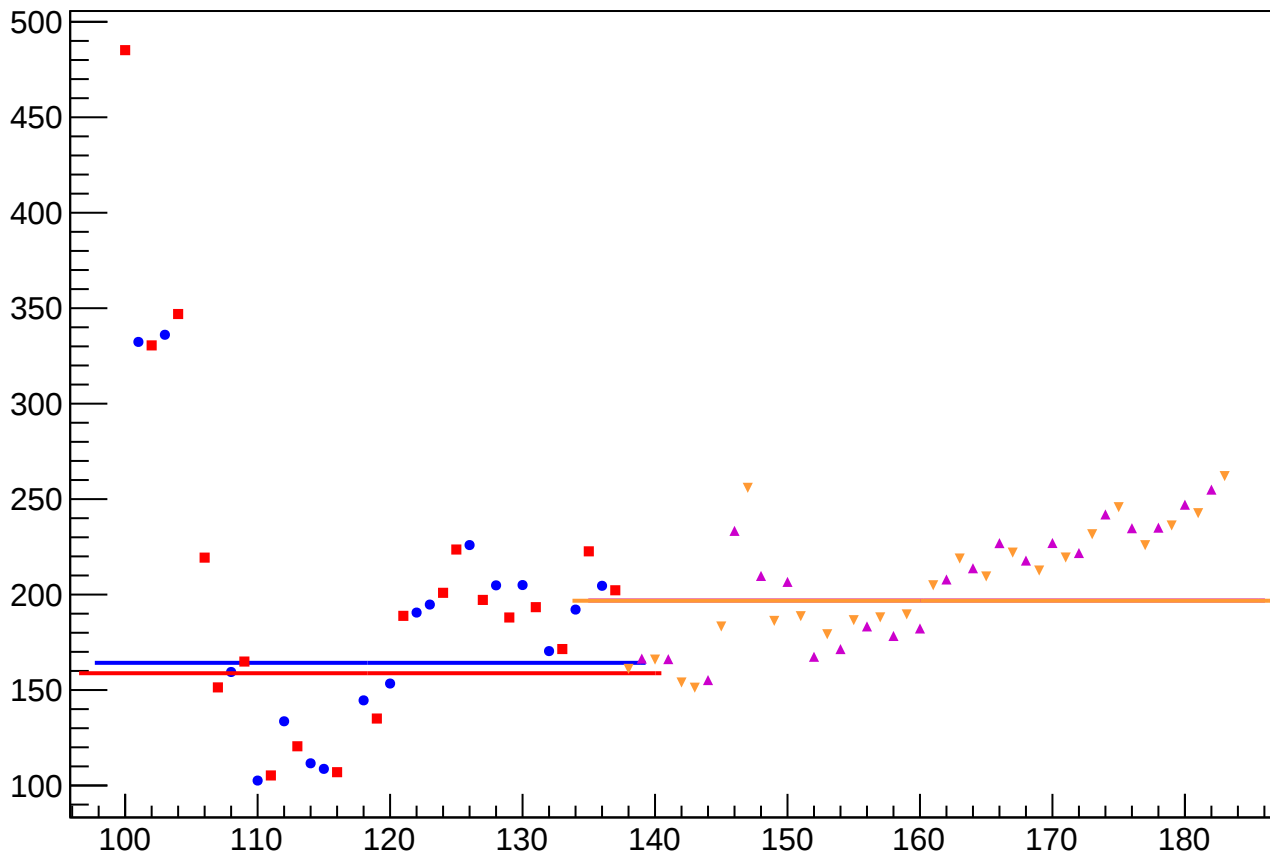
- sign 503.532 ± 0.080 $\chi^2/\text{NDF}: 2675249.3/40$

yield_bpm0l04WS_mean vs Slug



Right In: 135389.443 $\pm$ 0.068	χ^2 /NDF: 4578120272.5/16	+ sign 130012.395 $\pm$ 0.039	χ^2 /NDF: 13997709863.
Left Out: 127465.580 $\pm$ 0.047	χ^2 /NDF: 300874501.3/23	All: 130176.256 $\pm$ 0.027	χ^2 /NDF: 291083045
Right Out: 135497.758 $\pm$ 0.064	χ^2 /NDF: 4738615601.8/18	- sign 130340.425 $\pm$ 0.039	χ^2 /NDF: 15074803070.9
Left In: 127403.526 $\pm$ 0.049	χ^2 /NDF: 269416935.8/21		

yield_bpm0l04WS_rms vs Slug



Right In: 164.250+/-0.048 χ^2/NDF : 1227814.4/16

Left Out: 196.775+/-0.033 χ^2/NDF : 822078.5/23

Right Out: 158.804+/-0.046 χ^2/NDF : 1376920.6/18

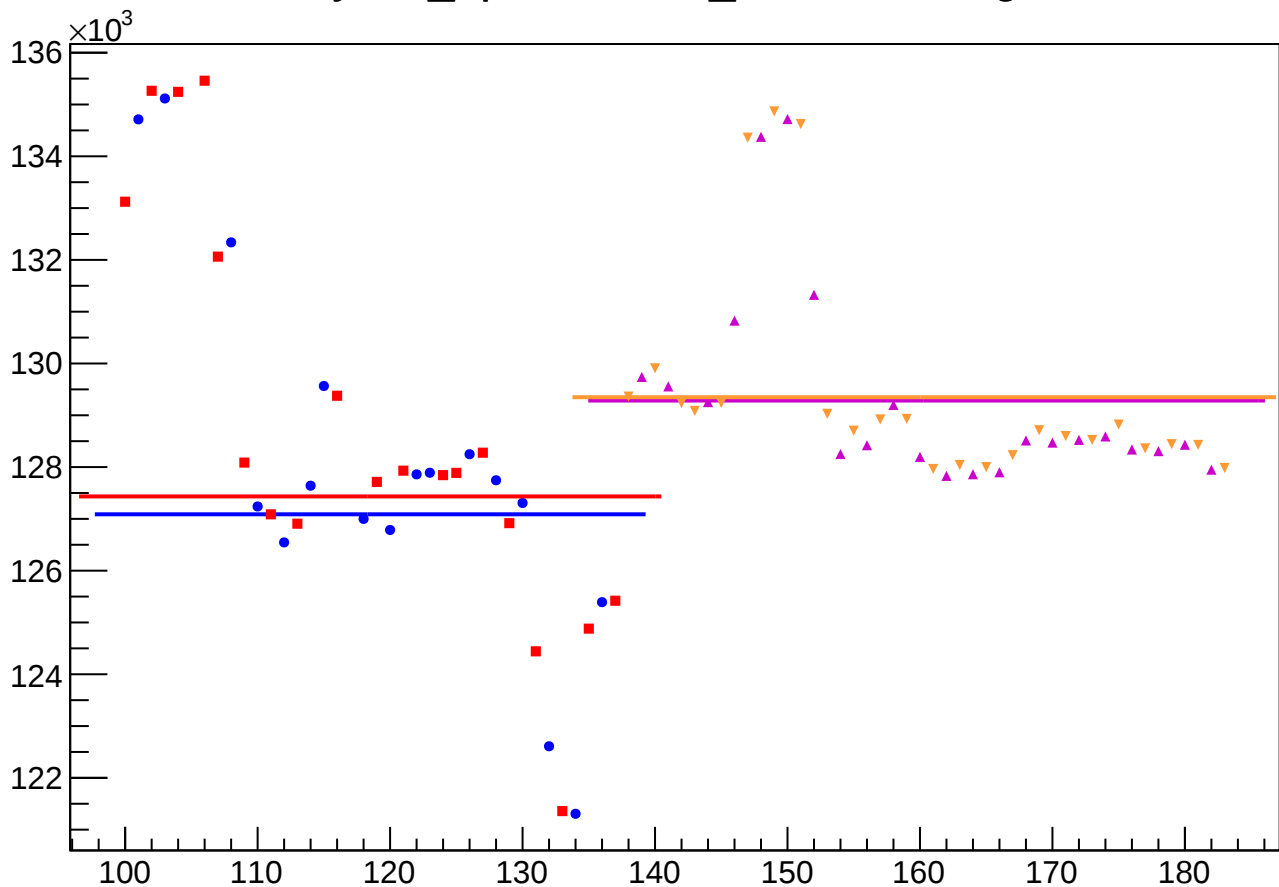
Left In: 196.889+/-0.034 χ^2/NDF : 761380.9/21

+ sign 186.321+/-0.027 χ^2/NDF : 2357178.4/40

All: 184.697+/-0.019 χ^2/NDF : 4948246.6/81

- sign 183.070+/-0.027 χ^2/NDF : 2584037.6/40

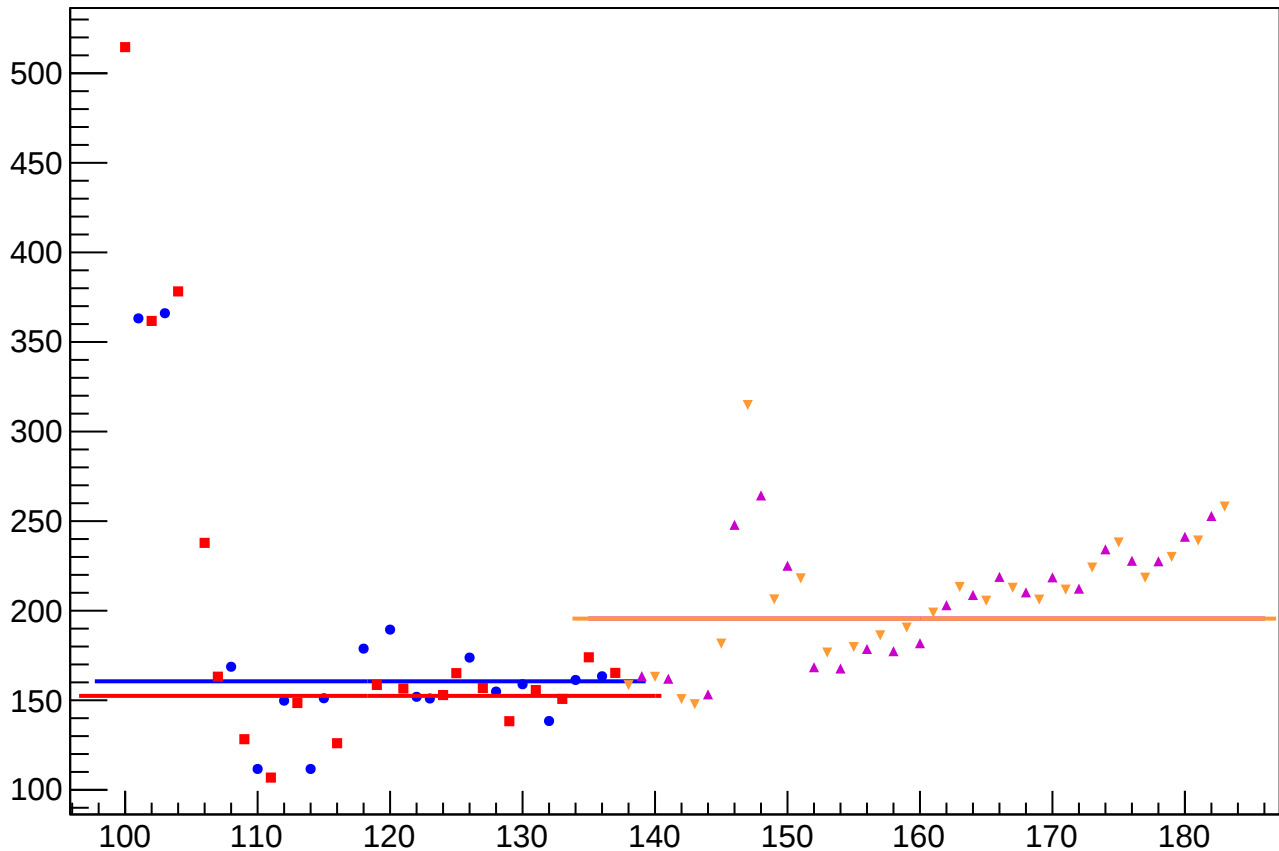
yield_bpm0l05WS_mean vs Slug



Right In: 127088.167 ± 0.066 $\chi^2/\text{NDF}: 1716591601.9/16$
 Left Out: 129348.685 ± 0.047 $\chi^2/\text{NDF}: 1442083497.0/23$
 Right Out: 127433.358 ± 0.062 $\chi^2/\text{NDF}: 2081739412.0/18$
 Left In: 129284.645 ± 0.048 $\chi^2/\text{NDF}: 1200156640.2/21$

+ sign 128596.368 ± 0.038 $\chi^2/\text{NDF}: 3931071970.3$
 All: 128586.969 ± 0.027 $\chi^2/\text{NDF}: 777190745$
 - sign 128577.707 ± 0.038 $\chi^2/\text{NDF}: 3840716090.5$

yield_bpm0l05WS_rms vs Slug



Right In: 160.589 $\pm$ 0.047 χ^2 /NDF: 942522.1/16

Left Out: 195.584 $\pm$ 0.033 χ^2 /NDF: 949200.9/23

Right Out: 152.452 $\pm$ 0.044 χ^2 /NDF: 1084973.3/18

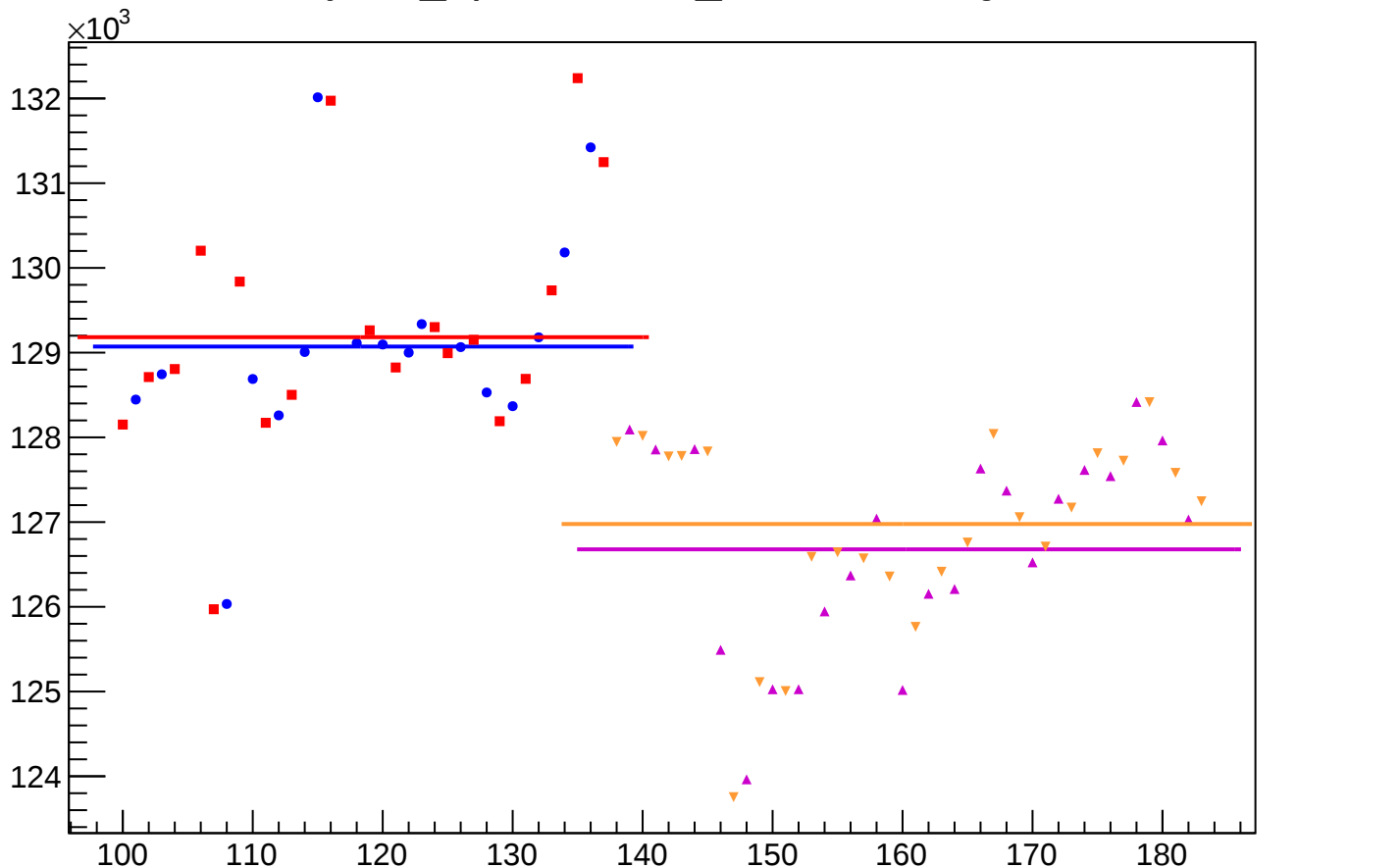
Left In: 195.633 $\pm$ 0.034 χ^2 /NDF: 871632.4/21

+ sign 183.937 $\pm$ 0.027 χ^2 /NDF: 2261965.0/40

All: 181.523 $\pm$ 0.019 χ^2 /NDF: 4842394.0/81

- sign 179.144 $\pm$ 0.027 χ^2 /NDF: 2564672.4/40

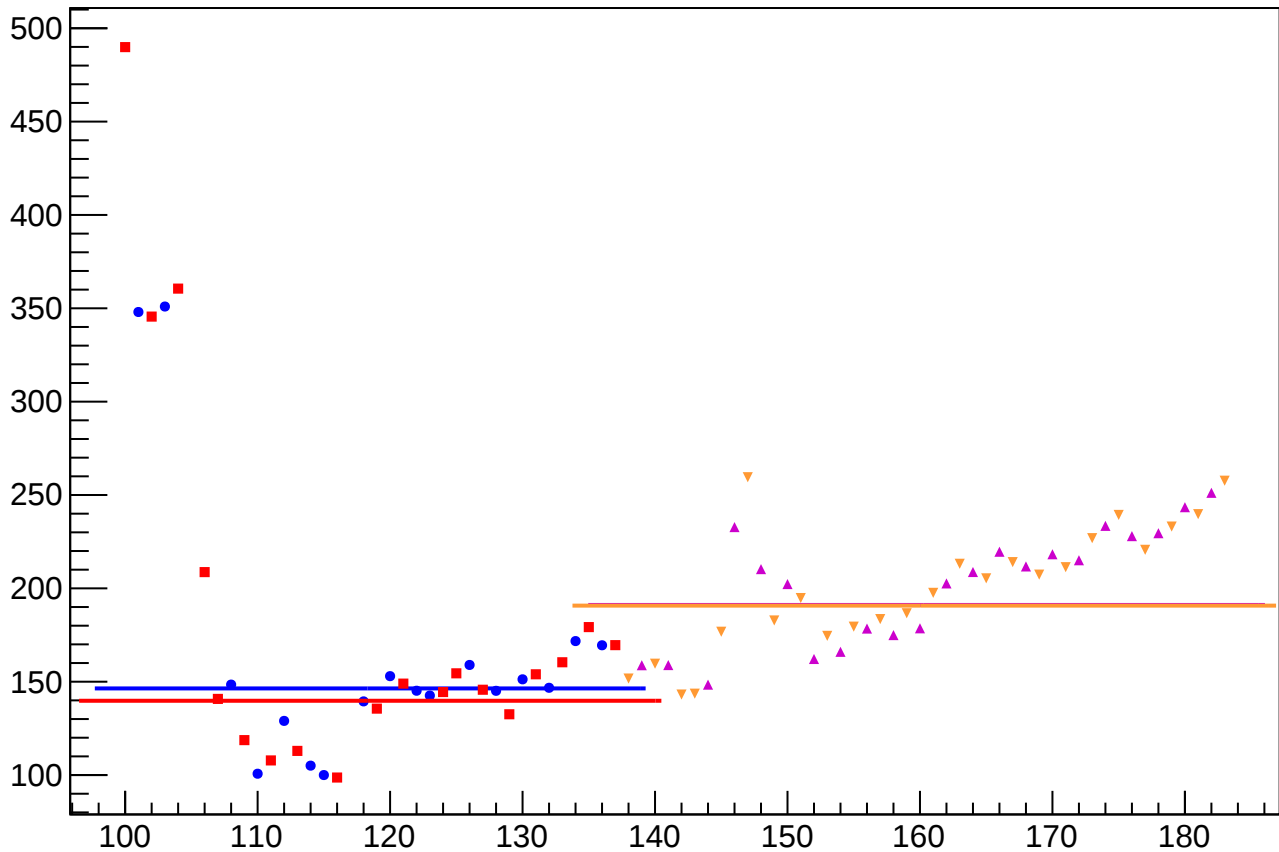
yield_bpm0l06WS_mean vs Slug



Right In: 129071.617 ± 0.060 $\chi^2/\text{NDF}: 476291091.1/16$
 Left Out: 126977.148 ± 0.046 $\chi^2/\text{NDF}: 529292675.7/23$
 Right Out: 129182.486 ± 0.056 $\chi^2/\text{NDF}: 625425272.9/18$
 Left In: 126678.357 ± 0.047 $\chi^2/\text{NDF}: 659528640.5/21$

+ sign 127741.742 ± 0.036 $\chi^2/\text{NDF}: 1772304830.3$
 All: 127728.804 ± 0.026 $\chi^2/\text{NDF}: 422321085$
 - sign 127716.069 ± 0.036 $\chi^2/\text{NDF}: 2450655579.1$

yield_bpm0l06WS_rms vs Slug



Right In: 146.401 ± 0.043 χ^2/NDF : 1066973.0/16

Left Out: 190.752 ± 0.032 χ^2/NDF : 960562.9/23

Right Out: 139.793 ± 0.040 χ^2/NDF : 1200865.0/18

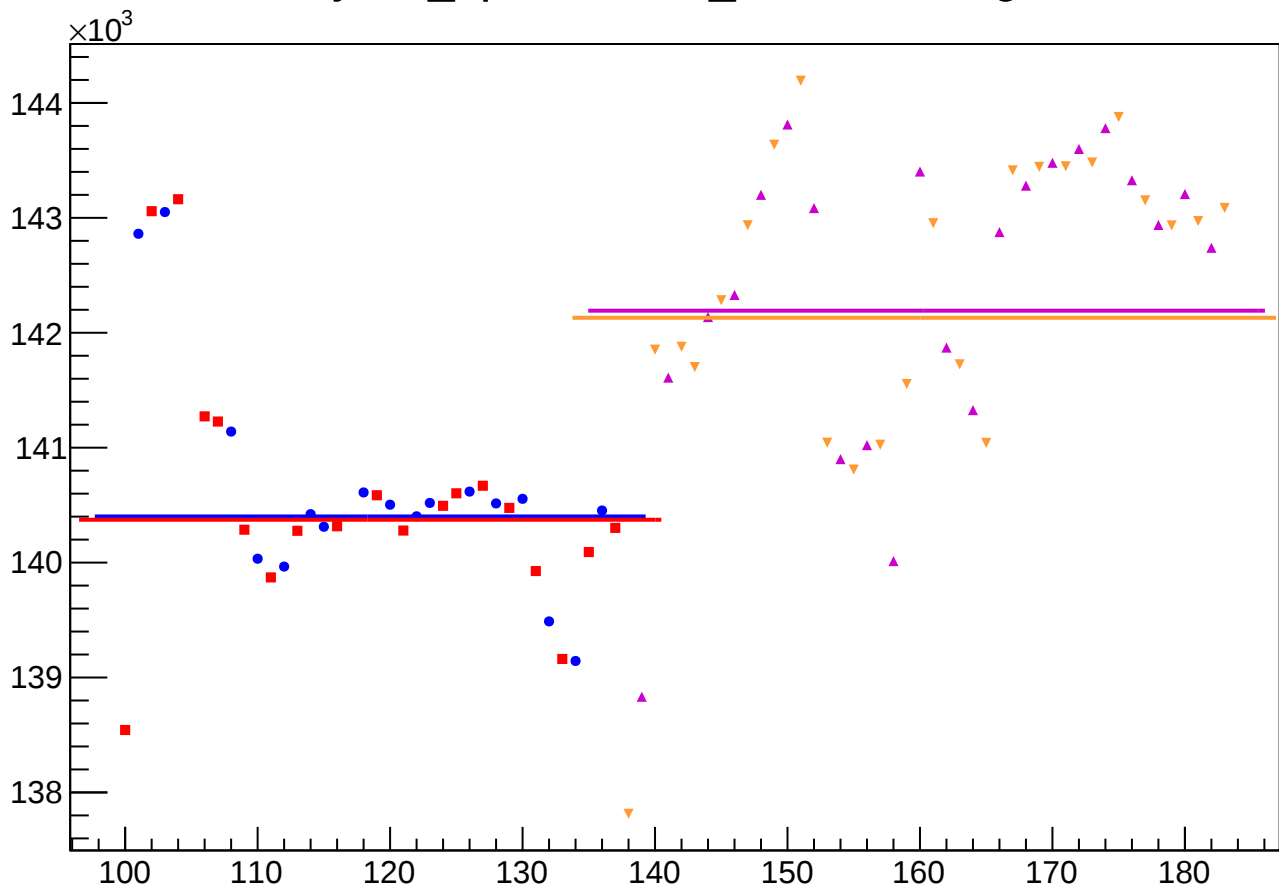
Left In: 191.107 ± 0.033 χ^2/NDF : 832577.5/21

+ sign 174.561 ± 0.026 χ^2/NDF : 2715108.2/40

All: 172.183 ± 0.018 χ^2/NDF : 5744440.3/81

- sign 169.842 ± 0.026 χ^2/NDF : 3012407.2/40

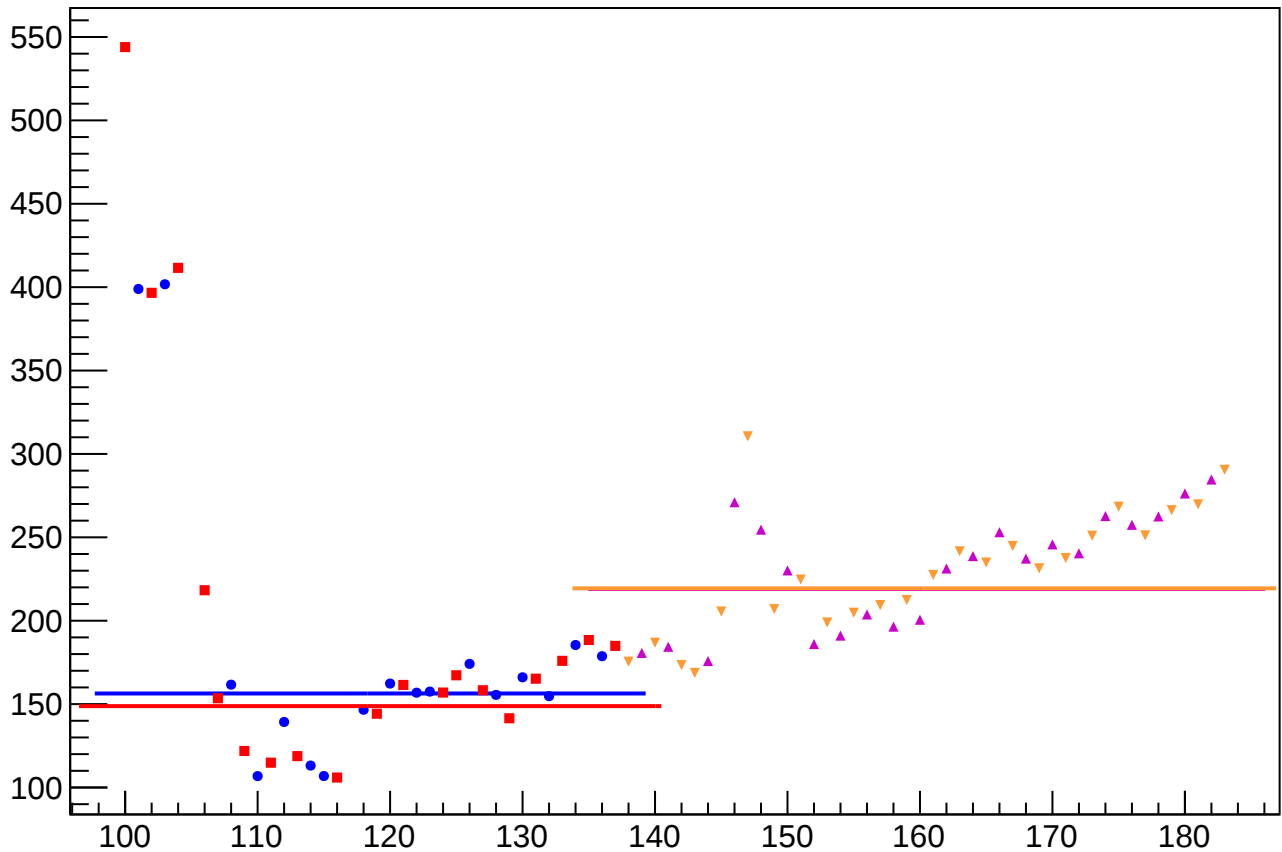
yield_bpm0l07WS_mean vs Slug



Right In: 140401.573 $\pm$ 0.064 χ^2 /NDF: 88055814.0/16
 Left Out: 142130.666 $\pm$ 0.053 χ^2 /NDF: 814023478.4/23
 Right Out: 140372.890 $\pm$ 0.060 χ^2 /NDF: 99844698.8/18
 Left In: 142192.280 $\pm$ 0.054 χ^2 /NDF: 643750609.5/21

+ sign 141440.502 $\pm$ 0.041 χ^2 /NDF: 1334376293.5/16
 All: 141407.036 $\pm$ 0.029 χ^2 /NDF: 258745698.8/16
 - sign 141374.513 $\pm$ 0.040 χ^2 /NDF: 1251749251.4/16

yield_bpm0l07WS_rms vs Slug



Right In: 156.377 $\pm$ 0.046 χ^2 /NDF: 1154470.5/16

Left Out: 219.407 $\pm$ 0.037 χ^2 /NDF: 838629.6/23

+ sign 194.249 $\pm$ 0.029 χ^2 /NDF: 3141994.0/40

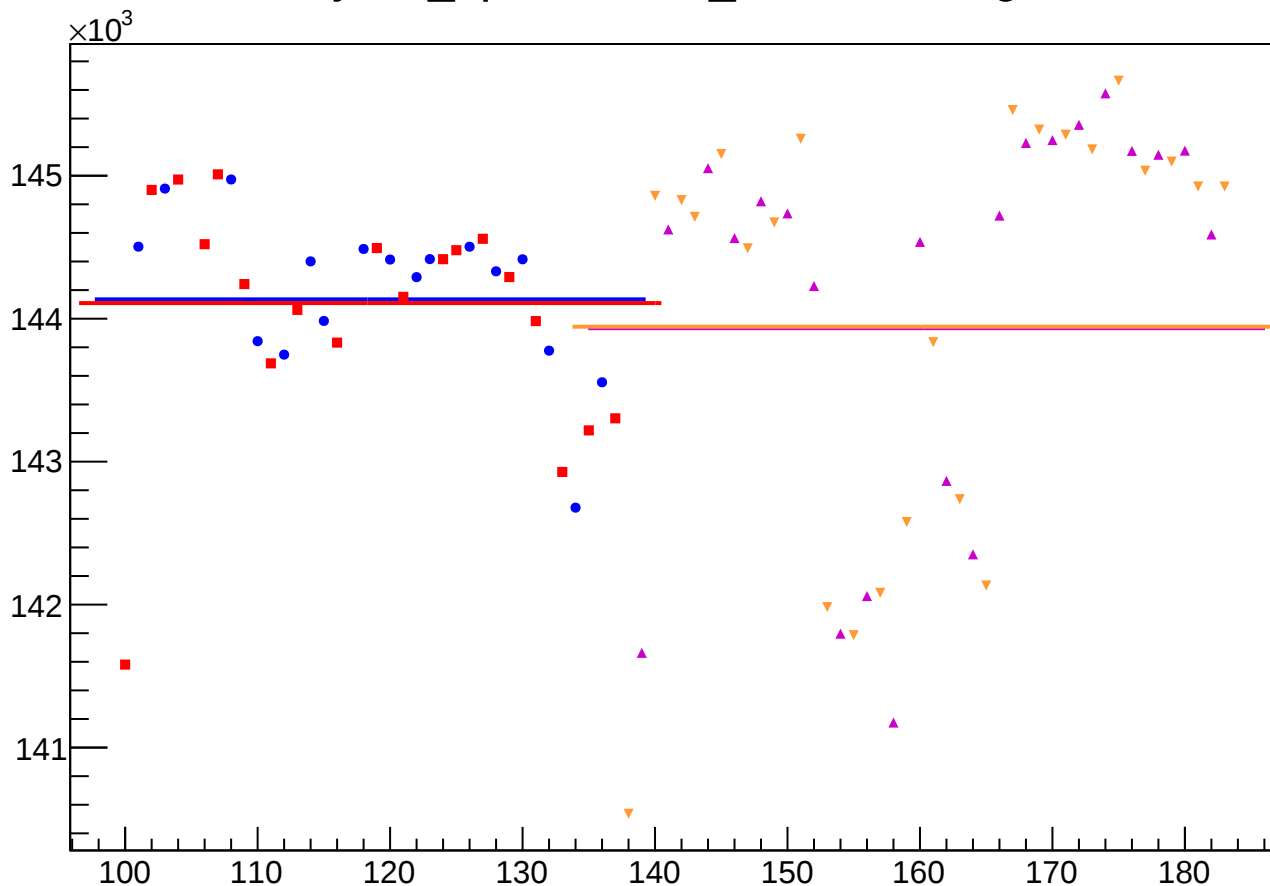
Right Out: 148.800 $\pm$ 0.042 χ^2 /NDF: 1304529.7/18

All: 190.804 $\pm$ 0.020 χ^2 /NDF: 6768149.5/81

Left In: 219.018 $\pm$ 0.038 χ^2 /NDF: 779586.3/21

- sign 187.457 $\pm$ 0.028 χ^2 /NDF: 3597947.8/40

yield_bpm0l08WS_mean vs Slug



Right In: 144135.363 $\pm$ 0.067 χ^2 /NDF: 47030717.0/16

Left Out: 143944.125 $\pm$ 0.052 χ^2 /NDF: 862380425.3/23

Right Out: 144109.137 $\pm$ 0.062 χ^2 /NDF: 65233259.1/18

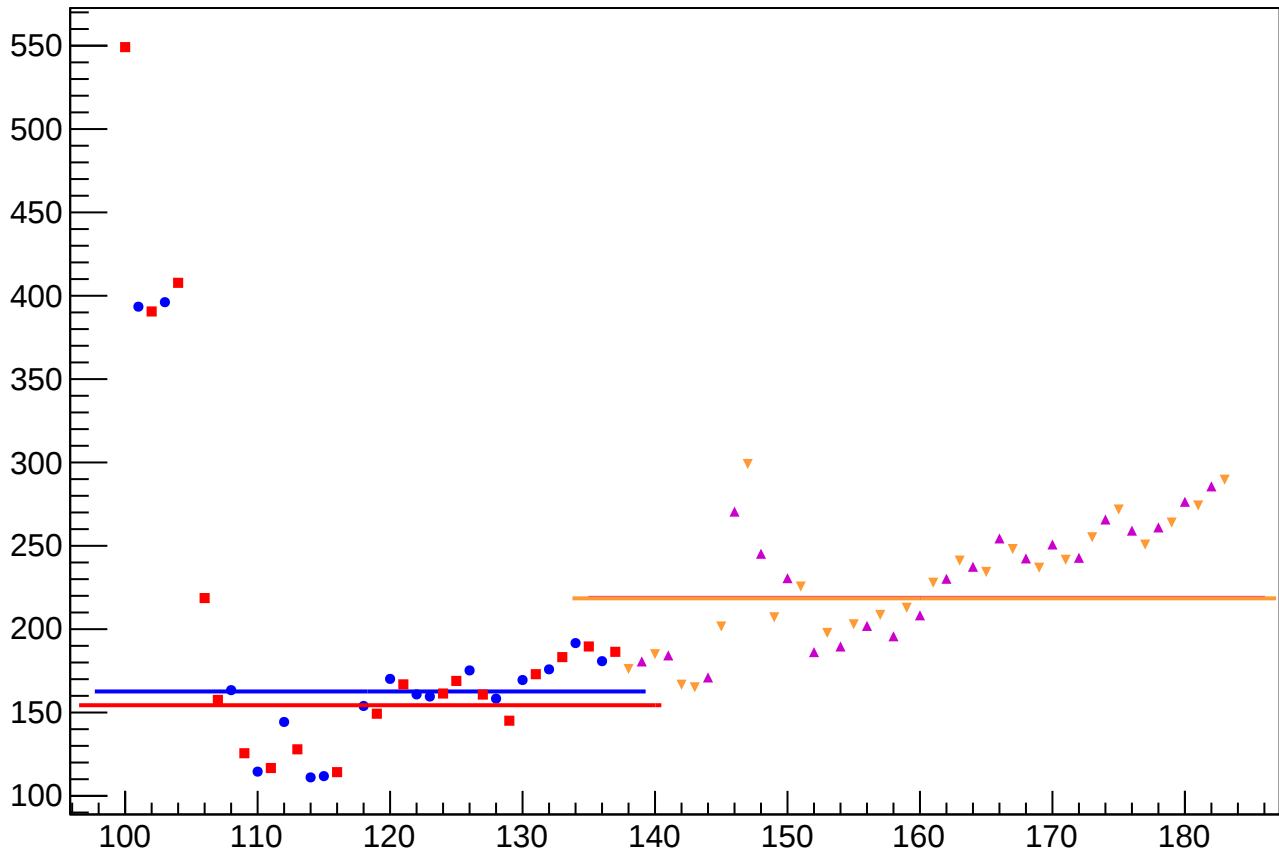
Left In: 143933.512 $\pm$ 0.054 χ^2 /NDF: 718969410.4/21

+ sign 144016.785 $\pm$ 0.041 χ^2 /NDF: 914481704.4/4

All: 144013.129 $\pm$ 0.029 χ^2 /NDF: 170326473

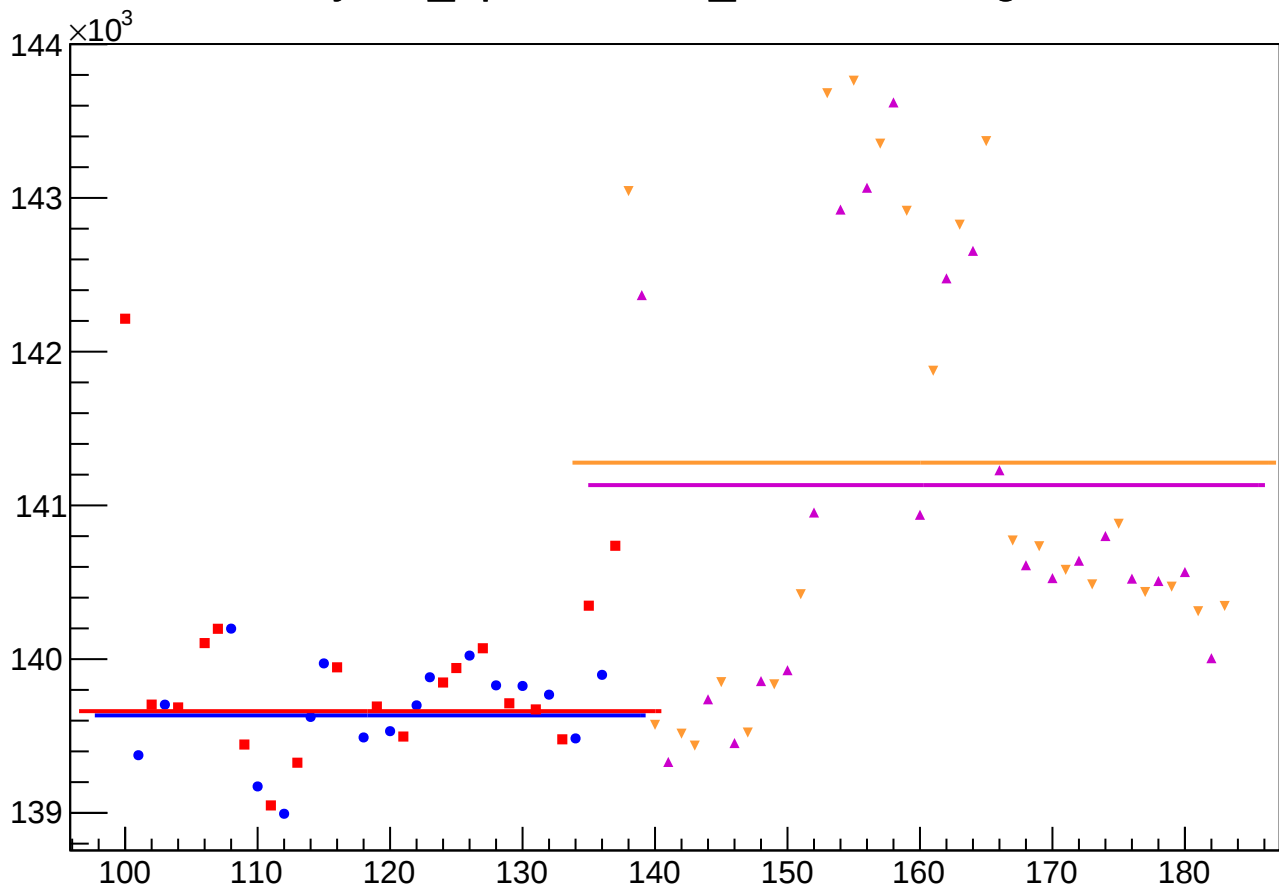
- sign 144009.560 $\pm$ 0.041 χ^2 /NDF: 788767479.4/4

yield_bpm0l08WS_rms vs Slug



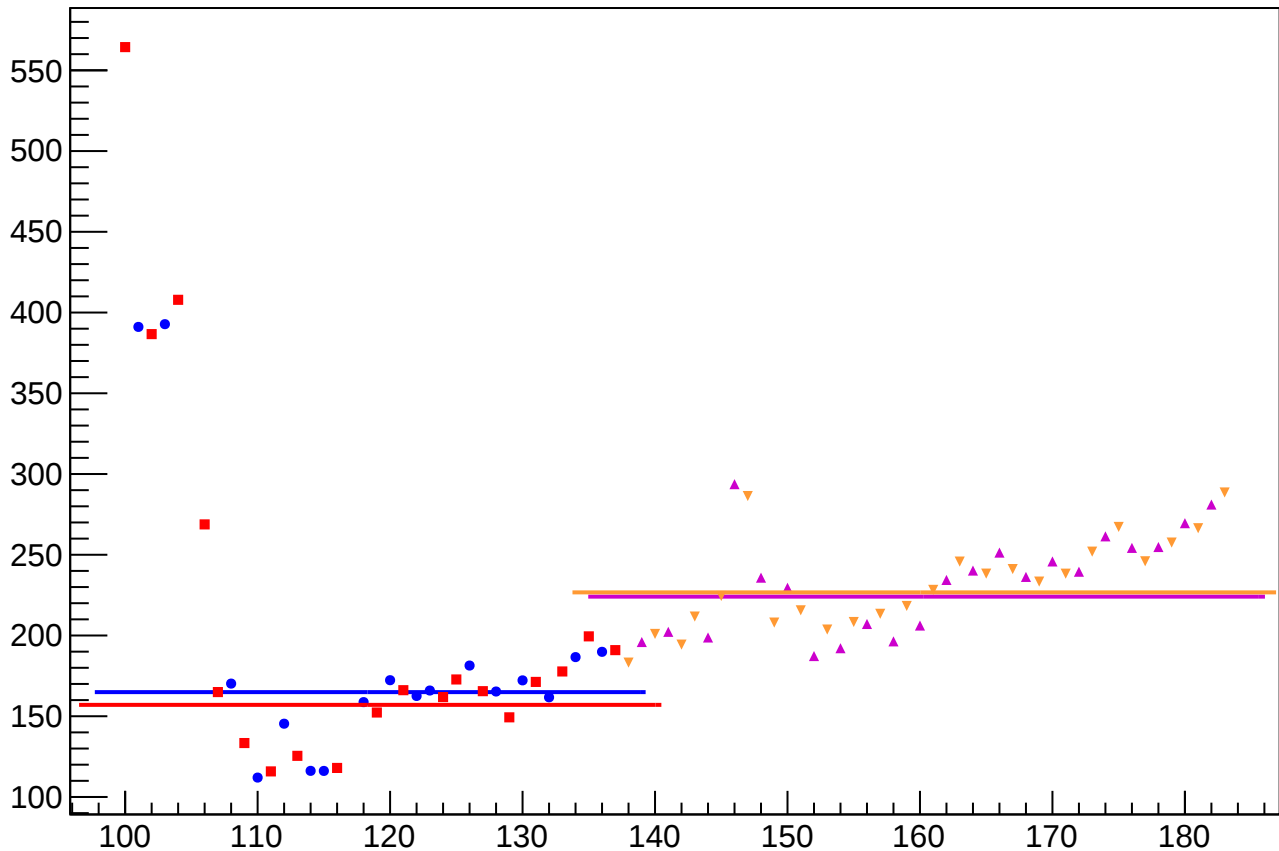
Right In: 162.634 ± 0.047 $\chi^2/\text{NDF}: 1069524.2/16$ + sign 197.266 ± 0.029 $\chi^2/\text{NDF}: 2840493.7/40$
 Left Out: 218.487 ± 0.037 $\chi^2/\text{NDF}: 905962.4/23$ All: 194.036 ± 0.020 $\chi^2/\text{NDF}: 6123756.6/81$
 Right Out: 154.377 ± 0.044 $\chi^2/\text{NDF}: 1214462.2/18$ - sign 190.883 ± 0.029 $\chi^2/\text{NDF}: 3259001.1/40$
 Left In: 218.763 ± 0.038 $\chi^2/\text{NDF}: 817517.0/21$

yield_bpm0l09WS_mean vs Slug



Right In: 139634.248 $\pm$ 0.068	χ^2/NDF : 24816599.6/16	+ sign 140642.391 $\pm$ 0.042	χ^2/NDF : 1176629717.3
Left Out: 141278.090 $\pm$ 0.054	χ^2/NDF : 792585972.6/23	All: 140567.204 $\pm$ 0.030	χ^2/NDF : 208905900
Right Out: 139661.708 $\pm$ 0.063	χ^2/NDF : 38354381.9/18	- sign 140494.501 $\pm$ 0.042	χ^2/NDF : 906196476.9/4
Left In: 141132.065 $\pm$ 0.055	χ^2/NDF : 560053954.0/21		

yield_bpm0l09WS_rms vs Slug



Right In: 164.938 $\pm$ 0.048 χ^2 /NDF: 1064403.1/16

Left Out: 226.706 $\pm$ 0.038 χ^2 /NDF: 463843.0/23

Right Out: 157.047 $\pm$ 0.045 χ^2 /NDF: 1242666.6/18

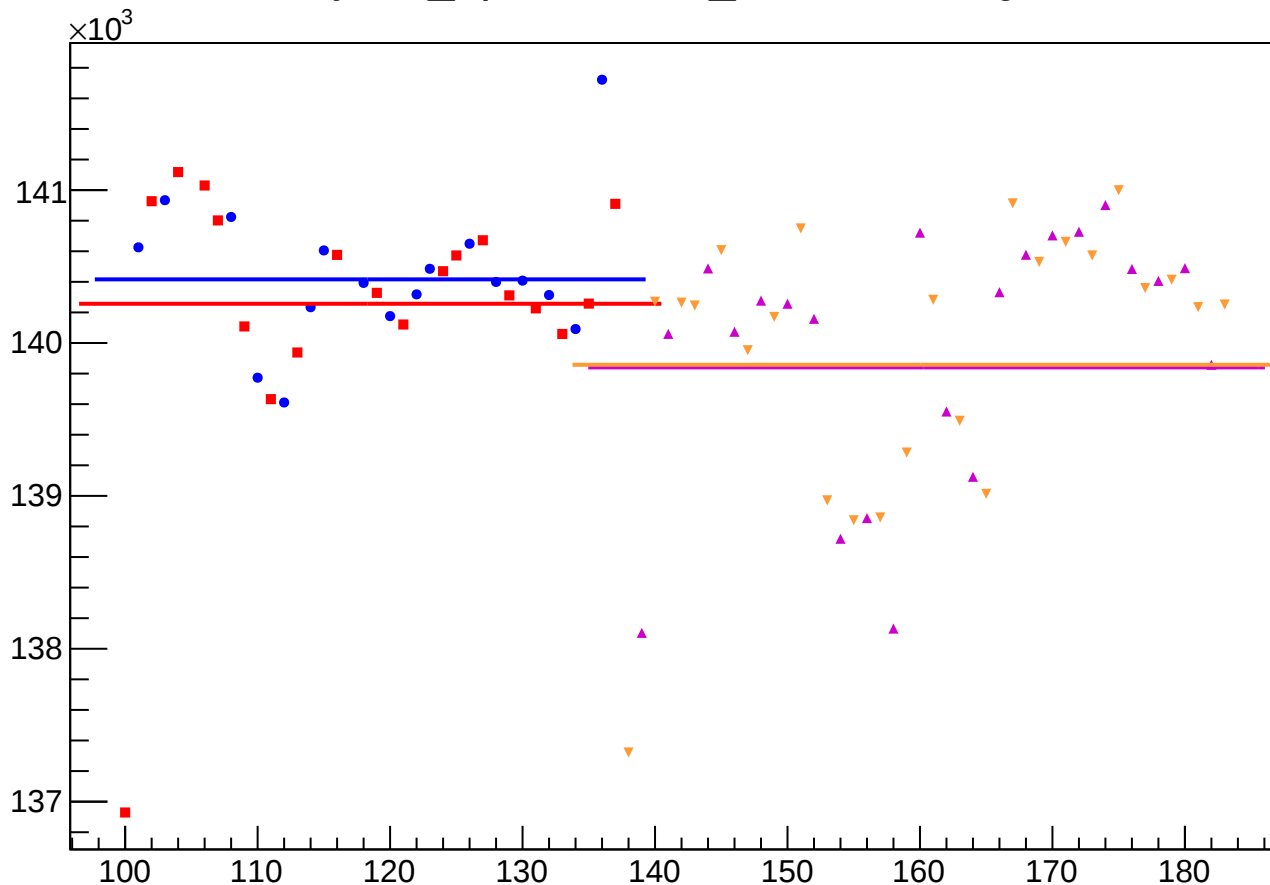
Left In: 224.073 $\pm$ 0.039 χ^2 /NDF: 553366.6/21

+ sign 202.819 $\pm$ 0.030 χ^2 /NDF: 2542653.4/40

All: 198.849 $\pm$ 0.021 χ^2 /NDF: 5652584.2/81

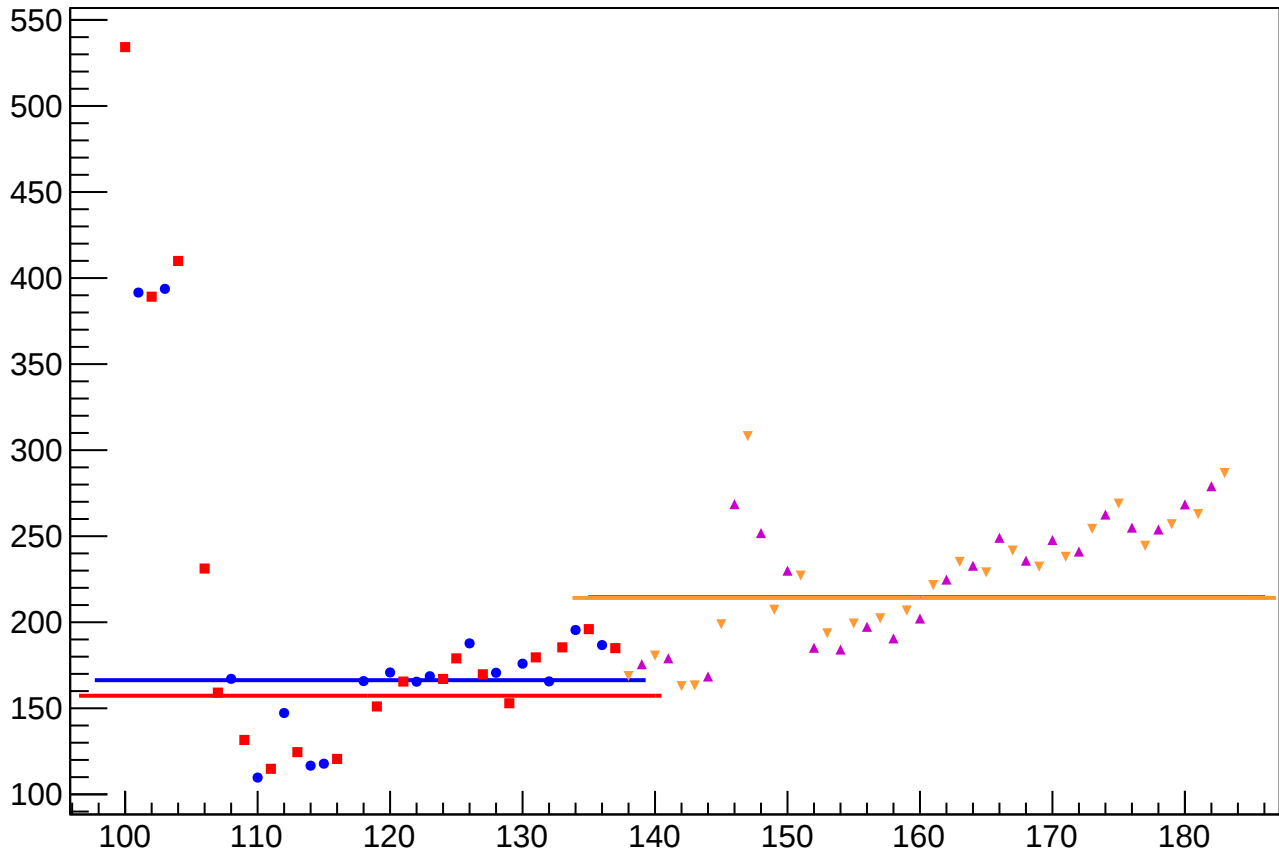
- sign 195.010 $\pm$ 0.029 χ^2 /NDF: 3075171.3/40

yield_bpm0l10WS_mean vs Slug



Right In: 140416.183 $\pm$ 0.069	χ^2 /NDF: 69956735.1/16	+ sign 140058.245 $\pm$ 0.041	χ^2 /NDF: 442458342.7/4
Left Out: 139857.482 $\pm$ 0.051	χ^2 /NDF: 329887306.1/23	All: 140035.125 $\pm$ 0.029	χ^2 /NDF: 786061168
Right Out: 140256.621 $\pm$ 0.063	χ^2 /NDF: 38038769.4/18	- sign 140012.498 $\pm$ 0.041	χ^2 /NDF: 342975640.7/4
Left In: 139840.352 $\pm$ 0.053	χ^2 /NDF: 279473638.2/21		

yield_bpm0l10WS_rms vs Slug



Right In: 166.338 $\pm$ 0.048 χ^2 /NDF: 1081005.6/16

Left Out: 214.135 $\pm$ 0.036 χ^2 /NDF: 951800.2/23

Right Out: 157.302 $\pm$ 0.045 χ^2 /NDF: 1226210.5/18

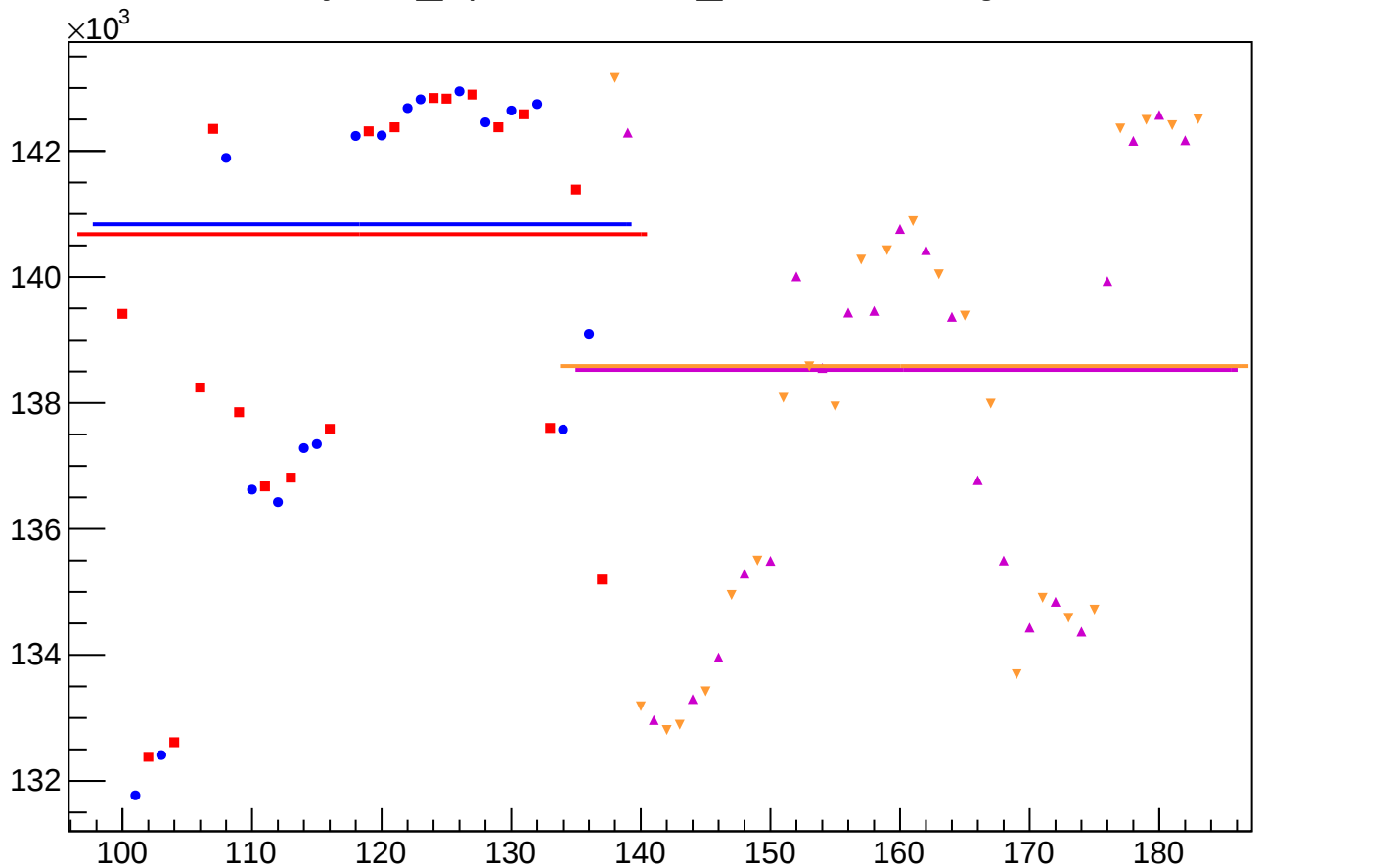
Left In: 214.585 $\pm$ 0.038 χ^2 /NDF: 851379.4/21

+ sign 196.960 $\pm$ 0.029 χ^2 /NDF: 2656591.9/40

All: 193.895 $\pm$ 0.020 χ^2 /NDF: 5720593.3/81

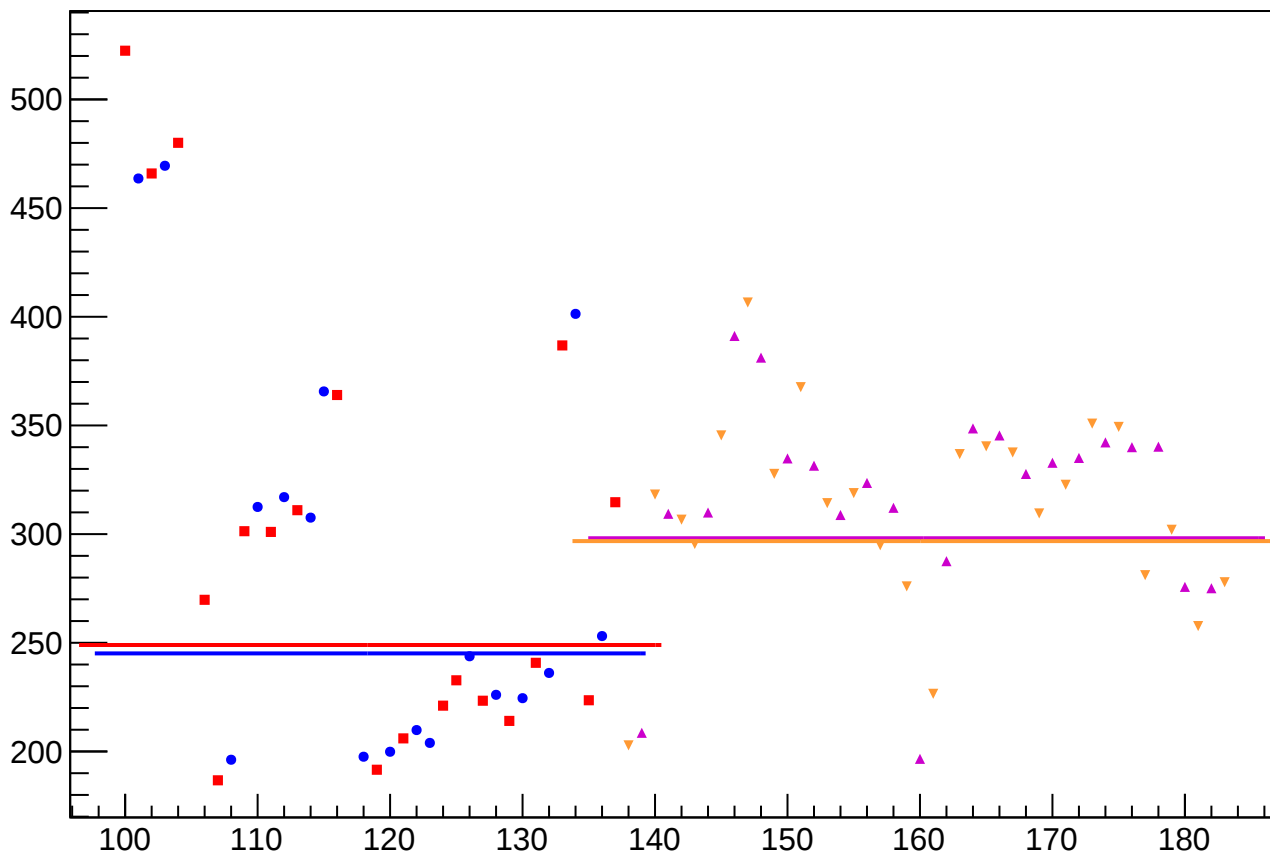
- sign 190.896 $\pm$ 0.029 χ^2 /NDF: 3041964.6/40

yield_bpm0r03WS_mean vs Slug



Right In: 140836.633 ± 0.100 χ^2/NDF : 821253018.3/16
 Left Out: 138585.518 ± 0.071 χ^2/NDF : 2503649372.0/23
 Right Out: 140678.692 ± 0.099 χ^2/NDF : 840853098.4/18
 Left In: 138524.315 ± 0.074 χ^2/NDF : 1906689281.2/21

yield_bpm0r03WS_rms vs Slug



Right In: 245.117 $\pm$ 0.071 χ^2 /NDF: 868050.1/16

Left Out: 296.788 $\pm$ 0.051 χ^2 /NDF: 891035.5/23

Right Out: 248.984 $\pm$ 0.070 χ^2 /NDF: 1011335.0/18

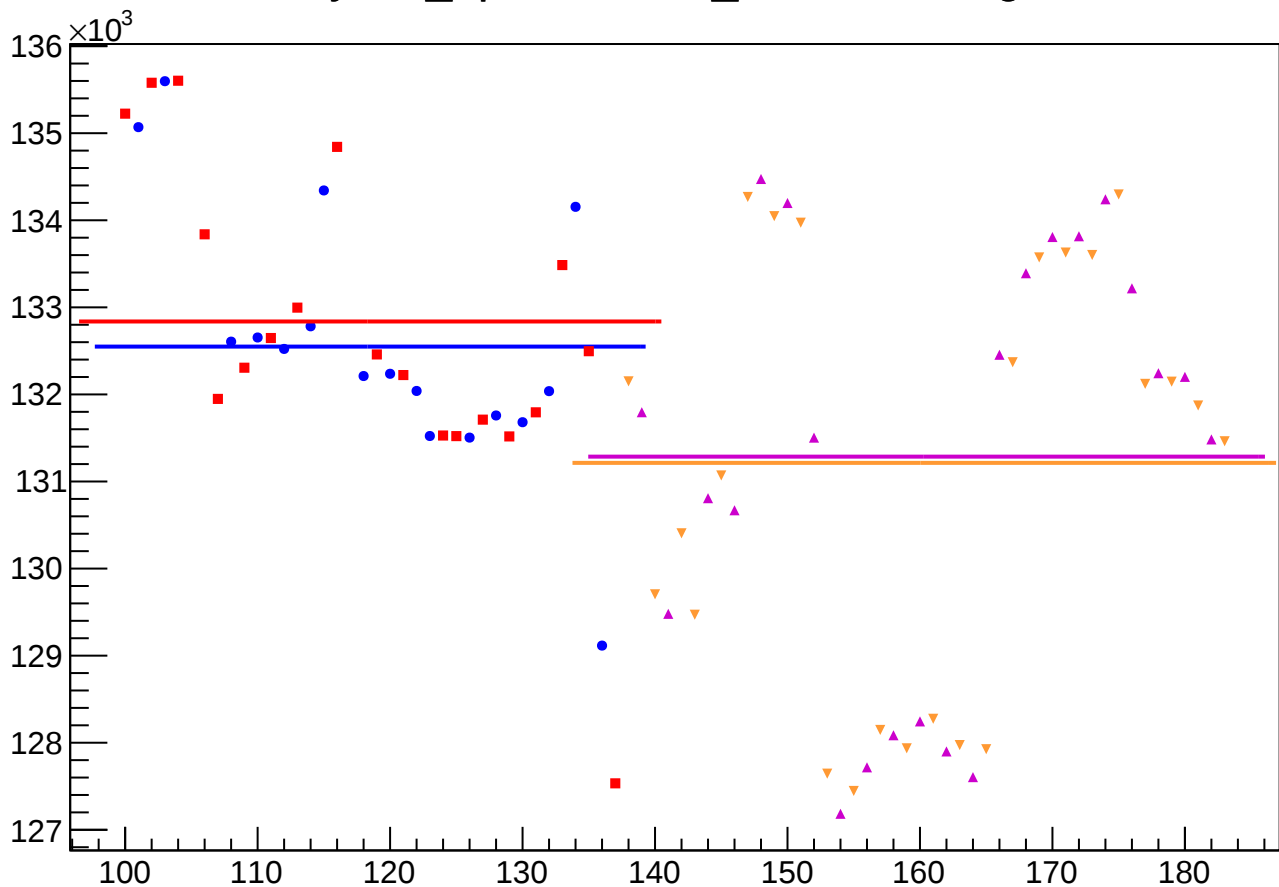
Left In: 298.101 $\pm$ 0.053 χ^2 /NDF: 1059360.2/21

+ sign 279.372 $\pm$ 0.041 χ^2 /NDF: 2111855.7/40

All: 279.883 $\pm$ 0.029 χ^2 /NDF: 4497202.1/81

- sign 280.418 $\pm$ 0.042 χ^2 /NDF: 2385030.2/40

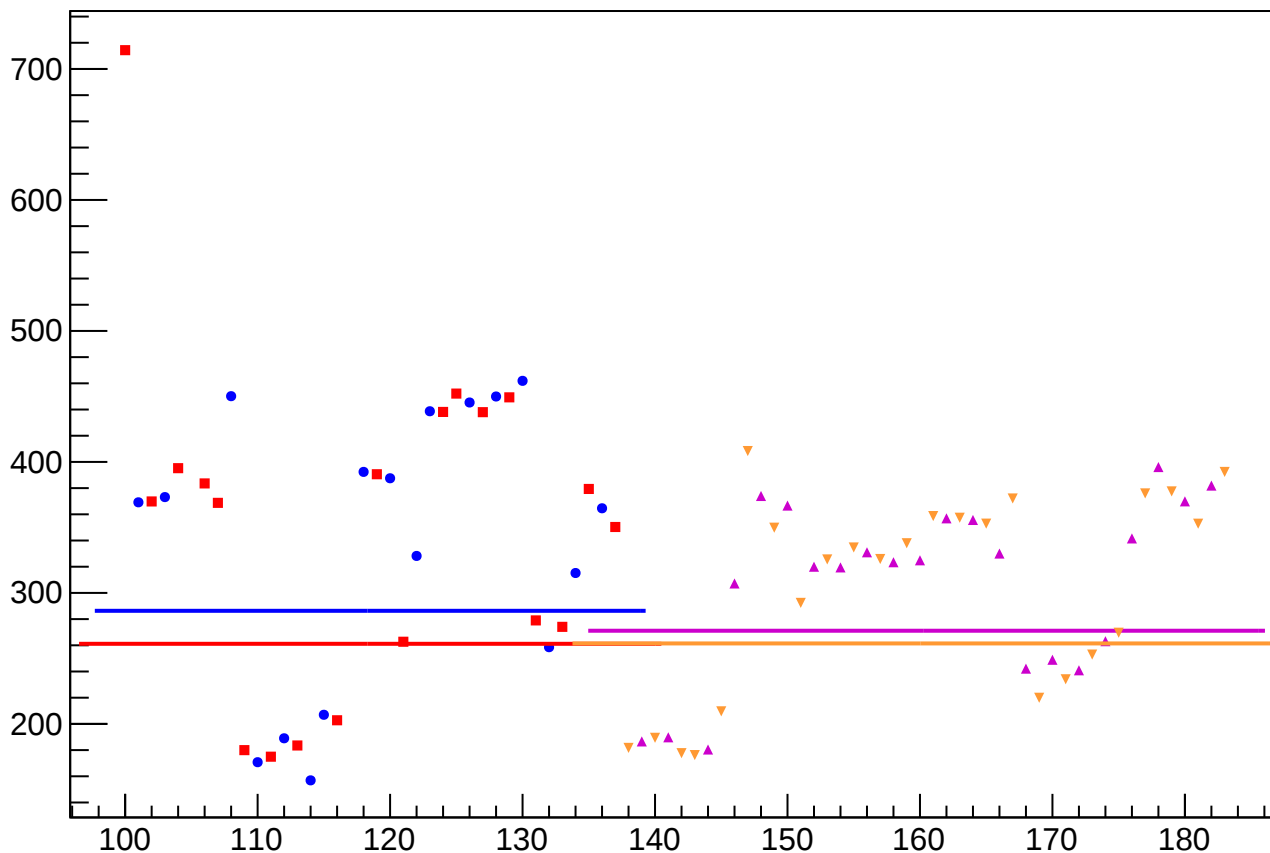
yield_bpm0r05WS_mean vs Slug



Right In: 132549.335 ± 0.120 $\chi^2/\text{NDF}: 161038742.0/16$
 Left Out: 131213.991 ± 0.064 $\chi^2/\text{NDF}: 1173381863.3/23$
 Right Out: 132837.715 ± 0.107 $\chi^2/\text{NDF}: 149672642.4/18$
 Left In: 131285.603 ± 0.069 $\chi^2/\text{NDF}: 1056232181.6/21$

+ sign 131514.660 ± 0.057 $\chi^2/\text{NDF}: 1430941370.0/16$
 All: 131624.080 ± 0.040 $\chi^2/\text{NDF}: 279335465.0/16$
 - sign 131737.384 ± 0.058 $\chi^2/\text{NDF}: 1354851990.6/16$

yield_bpm0r05WS_rms vs Slug



Right In: 286.338 ± 0.085 $\chi^2/\text{NDF}: 1514049.7/16$

Left Out: 261.428 ± 0.046 $\chi^2/\text{NDF}: 2758333.5/23$

Right Out: 261.146 ± 0.076 $\chi^2/\text{NDF}: 1614381.3/18$

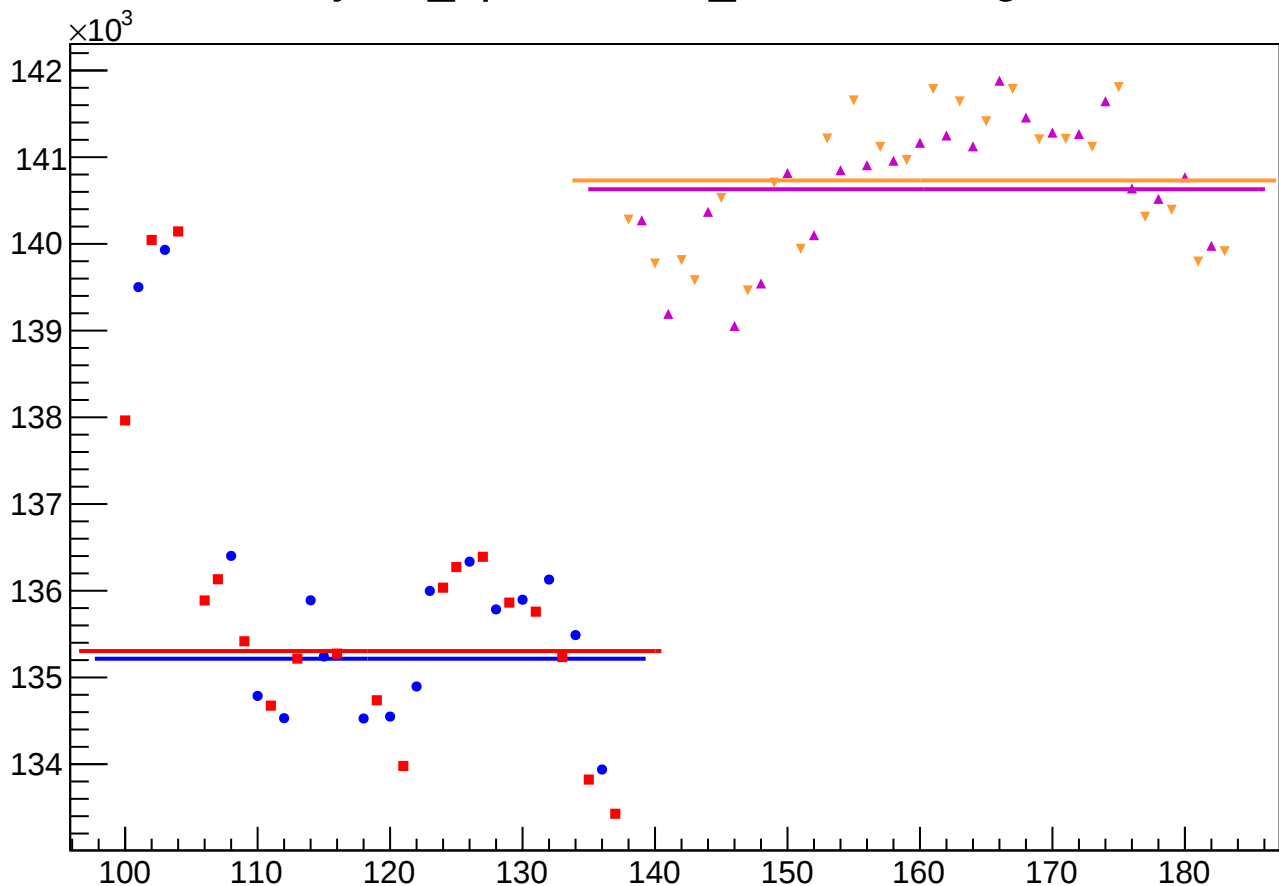
Left In: 271.122 ± 0.049 $\chi^2/\text{NDF}: 2170250.8/21$

+ sign 267.036 ± 0.040 $\chi^2/\text{NDF}: 4339559.0/40$

All: 267.617 ± 0.029 $\chi^2/\text{NDF}: 8136923.9/81$

- sign 268.219 ± 0.041 $\chi^2/\text{NDF}: 3796938.8/40$

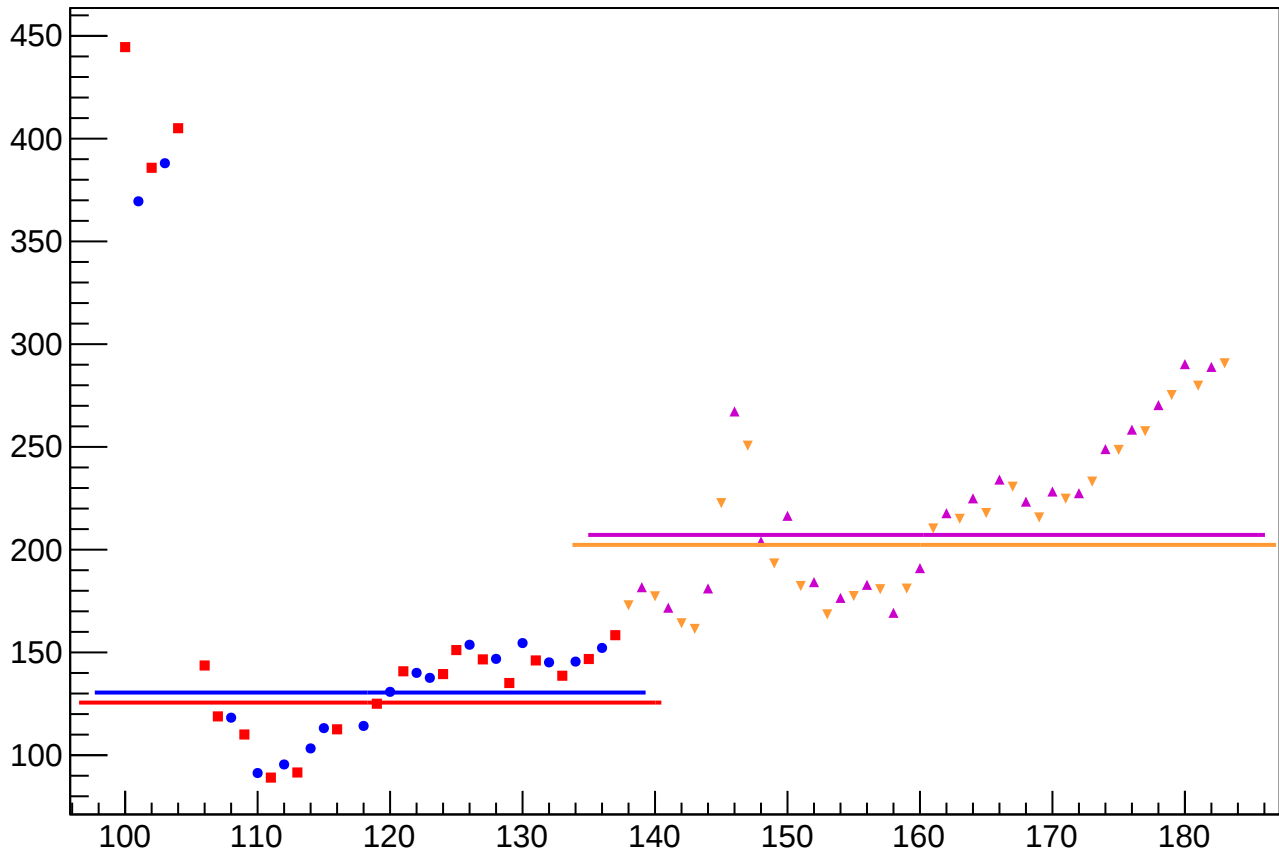
yield_bpm0i02WS_mean vs Slug



Right In: 135216.054 $\pm$ 0.054 χ^2/NDF : 371419425.6/16
 Left Out: 140731.453 $\pm$ 0.049 χ^2/NDF : 241662894.0/23
 Right Out: 135304.602 $\pm$ 0.051 χ^2/NDF : 357443836.5/18
 Left In: 140630.328 $\pm$ 0.051 χ^2/NDF : 194732977.3/21

+ sign 138286.196 $\pm$ 0.036 χ^2/NDF : 6328288748.9
 All: 138122.850 $\pm$ 0.026 χ^2/NDF : 123243476
 - sign 137959.660 $\pm$ 0.036 χ^2/NDF : 5955453064.3/

yield_bpm0i02WS_rms vs Slug



Right In: 130.478+/-0.038 χ^2/NDF : 1372969.9/16

Left Out: 202.336+/-0.034 χ^2/NDF : 1009071.5/23

Right Out: 125.594+/-0.036 χ^2/NDF : 1434855.8/18

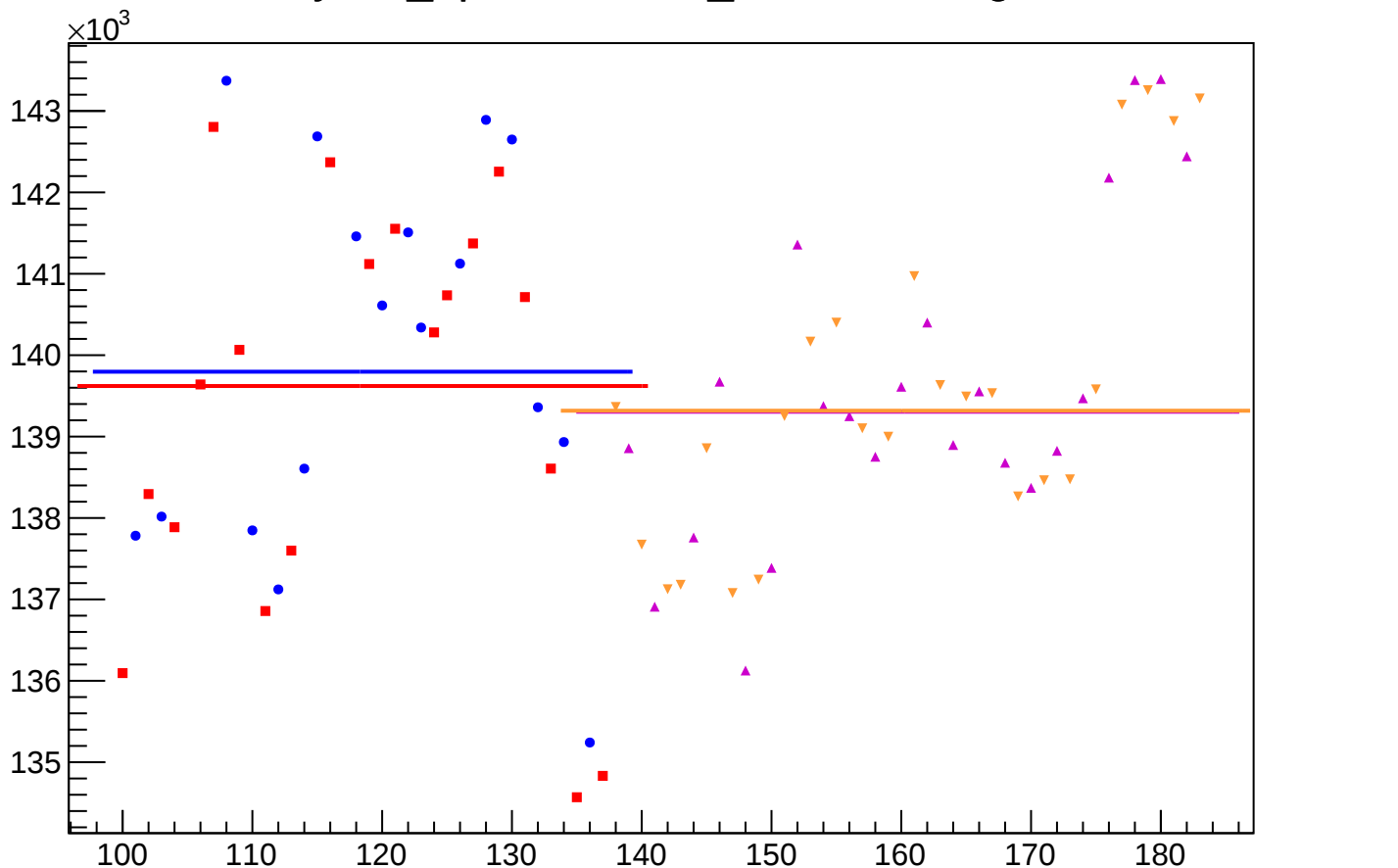
Left In: 207.178+/-0.036 χ^2/NDF : 906574.8/21

+ sign 170.477+/-0.026 χ^2/NDF : 4322294.9/40

All: 168.371+/-0.018 χ^2/NDF : 9213133.0/81

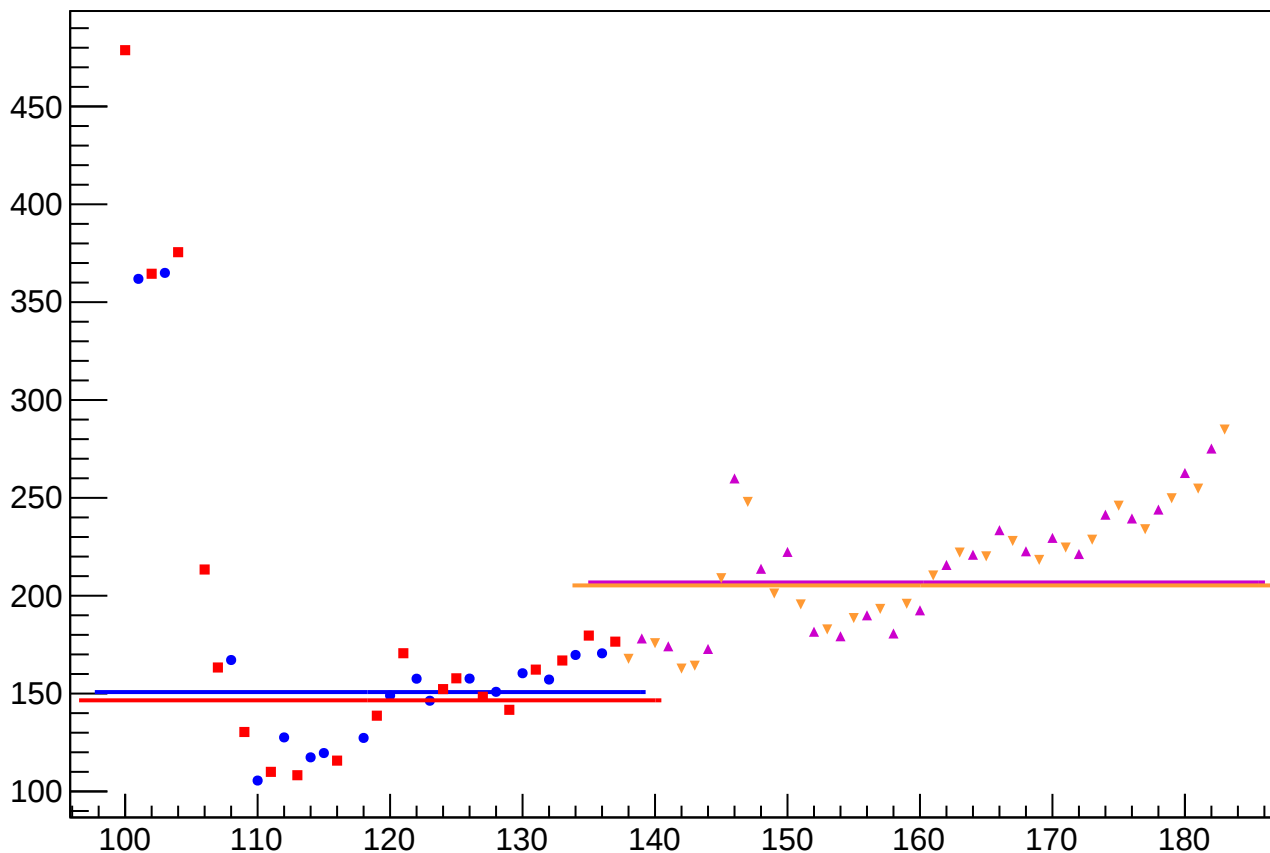
- sign 166.266+/-0.026 χ^2/NDF : 4877332.7/40

yield_bpm0i02aWS_mean vs Slug



Right In: 139796.979 $\pm$ 0.062	χ^2 /NDF: 1668151198.8/16	+ sign 139502.566 $\pm$ 0.039	χ^2 /NDF: 2930715686.3
Left Out: 139317.876 $\pm$ 0.049	χ^2 /NDF: 1225937201.2/23	All: 139471.465 $\pm$ 0.027	χ^2 /NDF: 570038647
Right Out: 139621.197 $\pm$ 0.059	χ^2 /NDF: 1504518858.4/18	- sign 139440.200 $\pm$ 0.039	χ^2 /NDF: 2768364231.7
Left In: 139304.829 $\pm$ 0.051	χ^2 /NDF: 1247427397.1/21		

yield_bpm0i02aWS_rms vs Slug



Right In: 150.766 $\pm$ 0.044 χ^2 /NDF: 1050110.5/16

Left Out: 205.266 $\pm$ 0.035 χ^2 /NDF: 703393.9/23

Right Out: 146.546 $\pm$ 0.042 χ^2 /NDF: 1200776.5/18

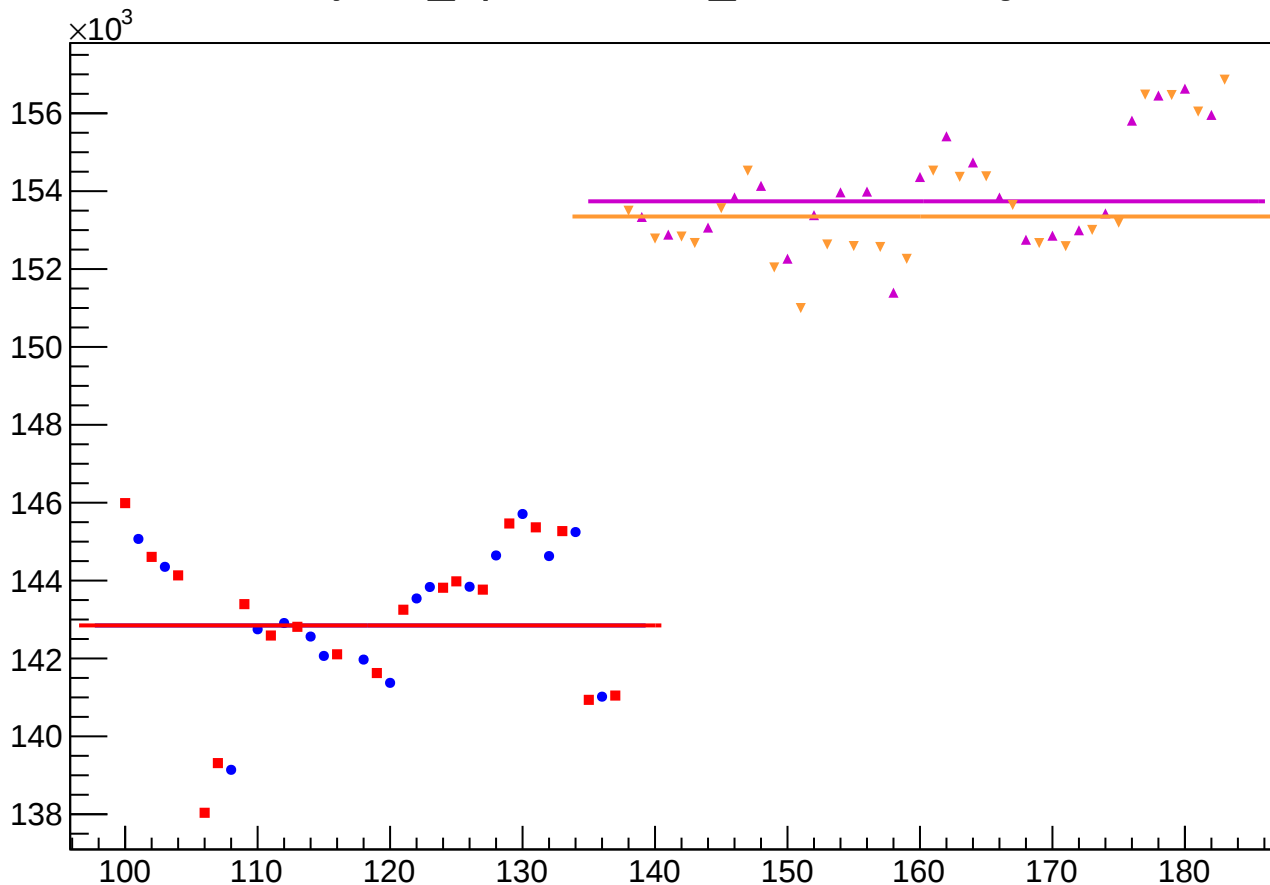
Left In: 206.779 $\pm$ 0.036 χ^2 /NDF: 668026.5/21

+ sign 184.257 $\pm$ 0.027 χ^2 /NDF: 2701402.4/40

All: 182.635 $\pm$ 0.019 χ^2 /NDF: 5767542.8/81

- sign 181.006 $\pm$ 0.027 χ^2 /NDF: 3059039.9/40

yield_bpm0i05WS_mean vs Slug



Right In: 142846.769 $\pm$ 0.065 χ^2 /NDF: 735751313.8/16

Left Out: 153349.401 $\pm$ 0.050 χ^2 /NDF: 764508124.3/23

Right Out: 142848.653 $\pm$ 0.060 χ^2 /NDF: 849741852.9/18

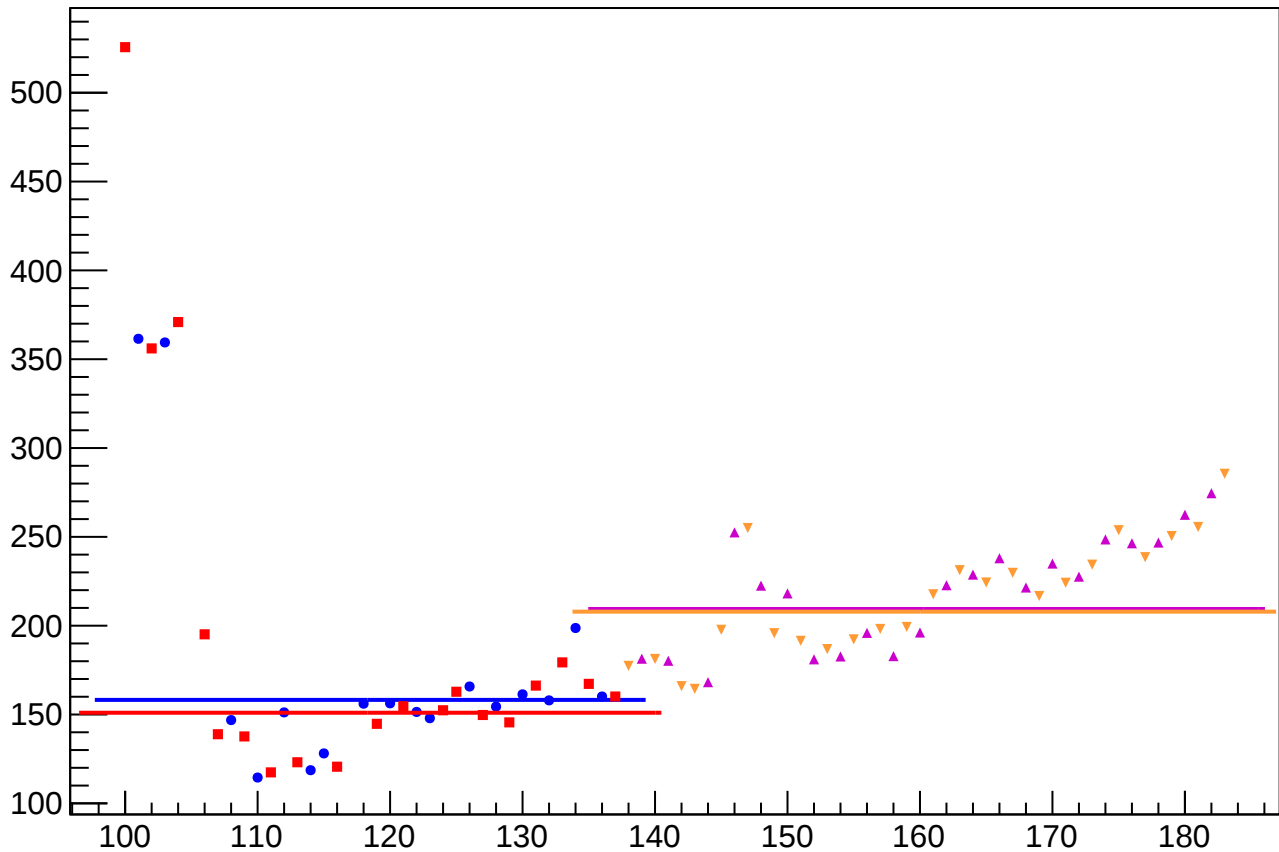
Left In: 153739.220 $\pm$ 0.052 χ^2 /NDF: 613455129.4/21

+ sign 149455.679 $\pm$ 0.039 χ^2 /NDF: 18038358677.1

All: 149295.389 $\pm$ 0.028 χ^2 /NDF: 382968675.1

- sign 149136.489 $\pm$ 0.039 χ^2 /NDF: 20225627963.1

yield_bpm0i05WS_rms vs Slug



Right In: 158.235 $\pm$ 0.046 χ^2 /NDF: 883619.5/16

Left Out: 207.901 $\pm$ 0.035 χ^2 /NDF: 687165.4/23

Right Out: 150.999 $\pm$ 0.043 χ^2 /NDF: 1000583.6/18

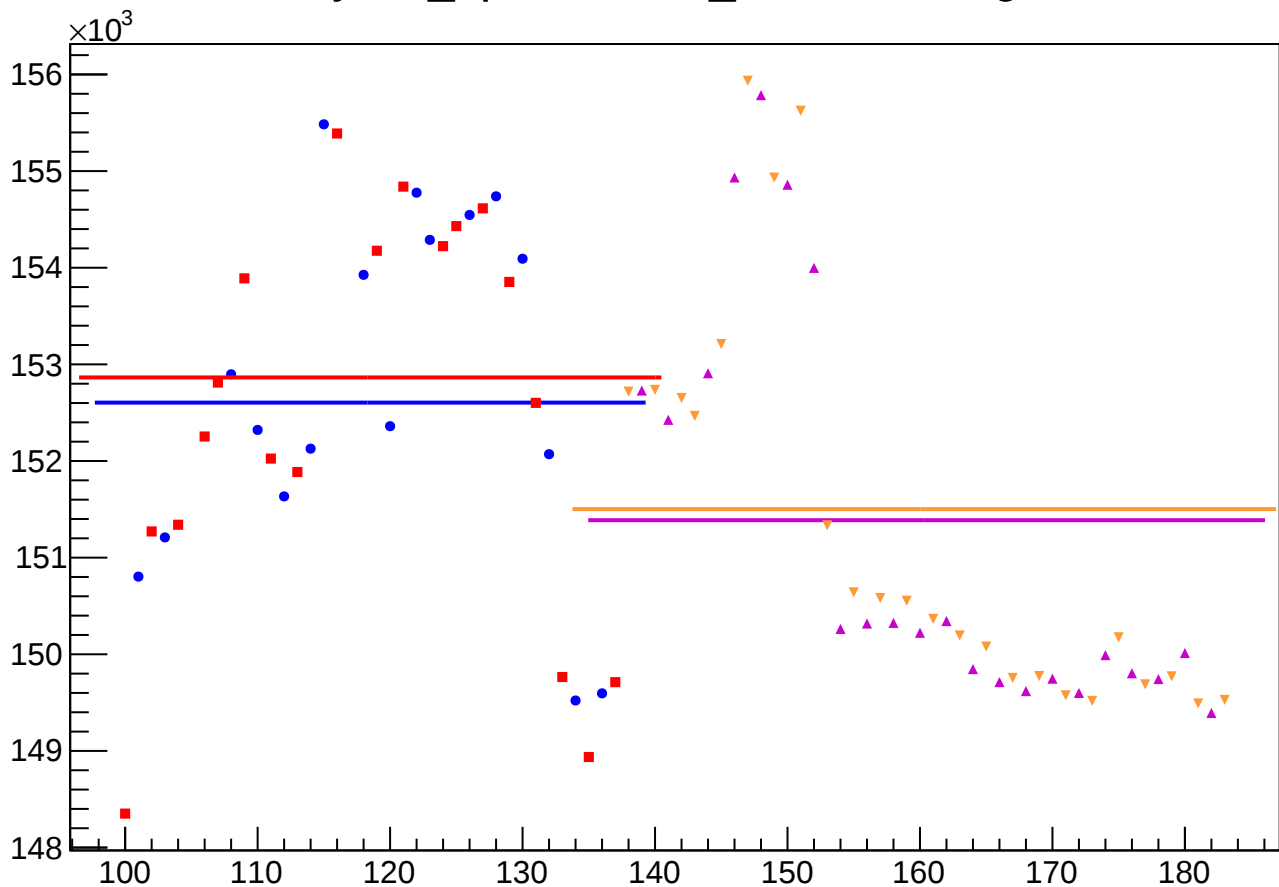
Left In: 209.413 $\pm$ 0.037 χ^2 /NDF: 671048.2/21

+ sign 189.488 $\pm$ 0.028 χ^2 /NDF: 2310455.4/40

All: 187.096 $\pm$ 0.020 χ^2 /NDF: 5076298.8/81

- sign 184.726 $\pm$ 0.028 χ^2 /NDF: 2751206.4/40

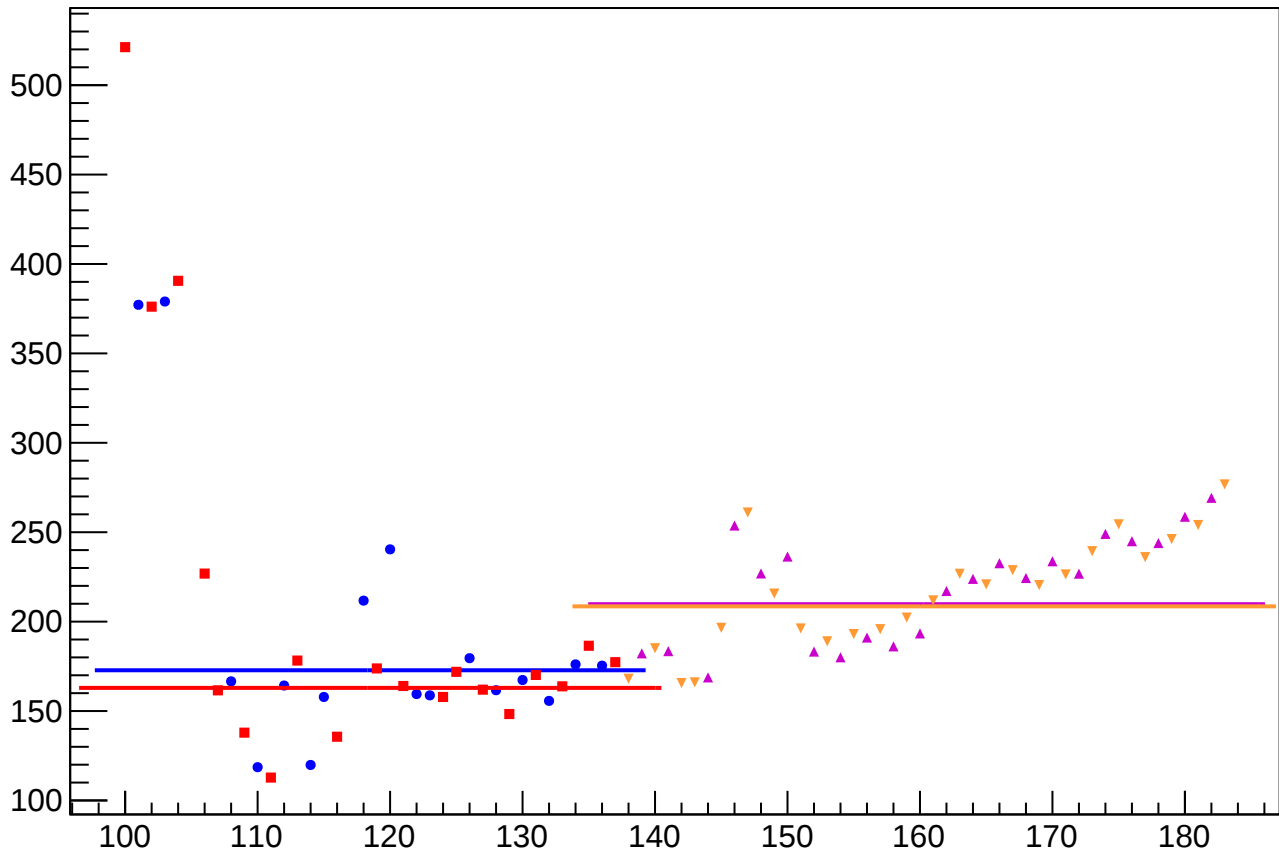
yield_bpm0i07WS_mean vs Slug



Right In: 152604.406 $\pm$ 0.072 χ^2 /NDF: 616818062.6/16
 Left Out: 151502.161 $\pm$ 0.050 χ^2 /NDF: 1464238261.6/23
 Right Out: 152864.722 $\pm$ 0.066 χ^2 /NDF: 718455566.6/18
 Left In: 151387.580 $\pm$ 0.052 χ^2 /NDF: 1398800430.9/21

+ sign 151856.292 $\pm$ 0.041 χ^2 /NDF: 2238933813.2/23
 All: 151901.474 $\pm$ 0.029 χ^2 /NDF: 466784503.6/23
 - sign 151946.148 $\pm$ 0.041 χ^2 /NDF: 2426491832.6/23

yield_bpm0i07WS_rms vs Slug



Right In: 172.803 $\pm$ 0.051 χ^2 /NDF: 945652.6/16

Left Out: 208.544 $\pm$ 0.035 χ^2 /NDF: 679914.7/23

Right Out: 162.951 $\pm$ 0.047 χ^2 /NDF: 1032146.9/18

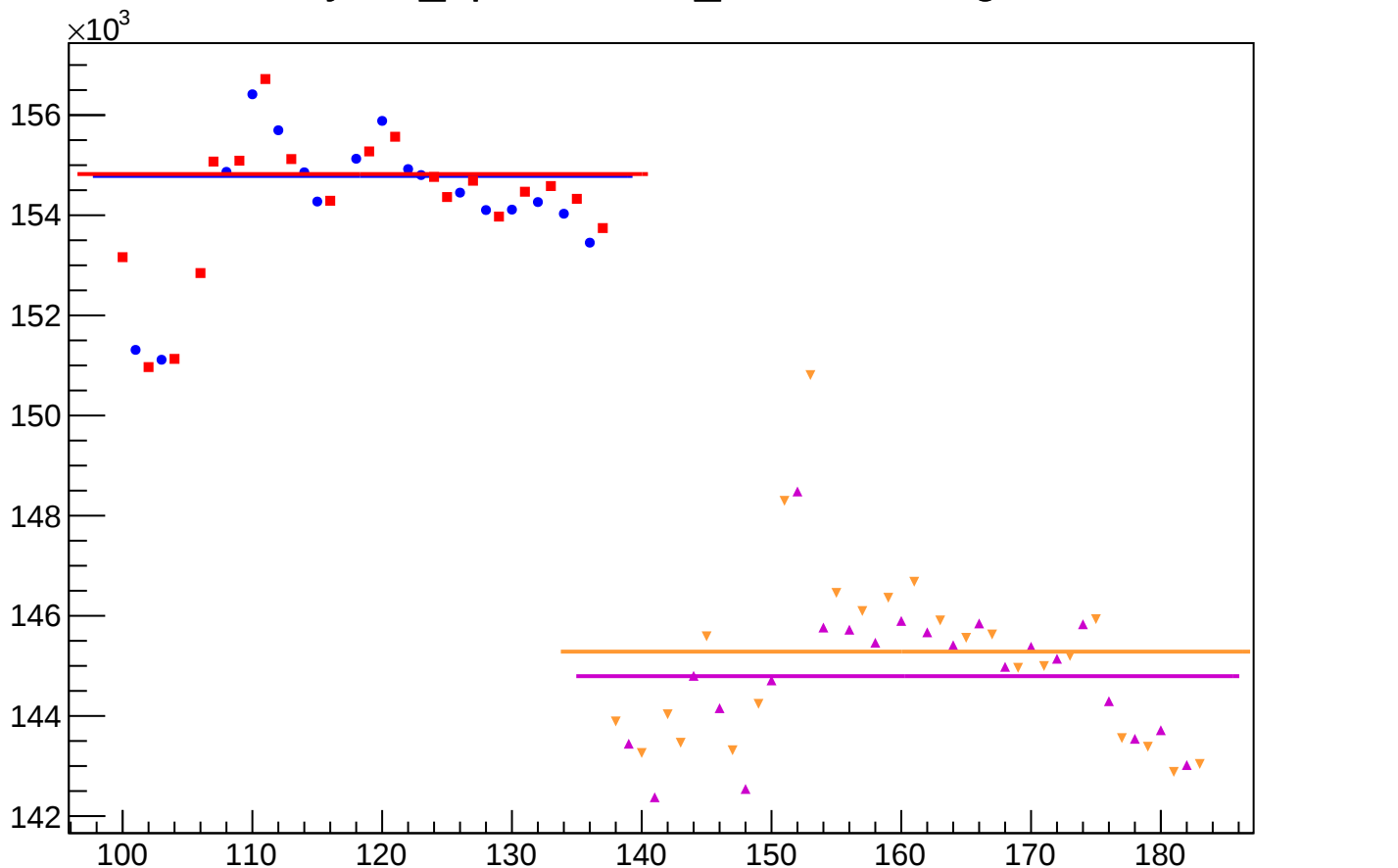
Left In: 209.751 $\pm$ 0.037 χ^2 /NDF: 650663.7/21

+ sign 197.061 $\pm$ 0.029 χ^2 /NDF: 1957564.4/40

All: 194.543 $\pm$ 0.020 χ^2 /NDF: 4276203.9/81

- sign 192.054 $\pm$ 0.029 χ^2 /NDF: 2303613.3/40

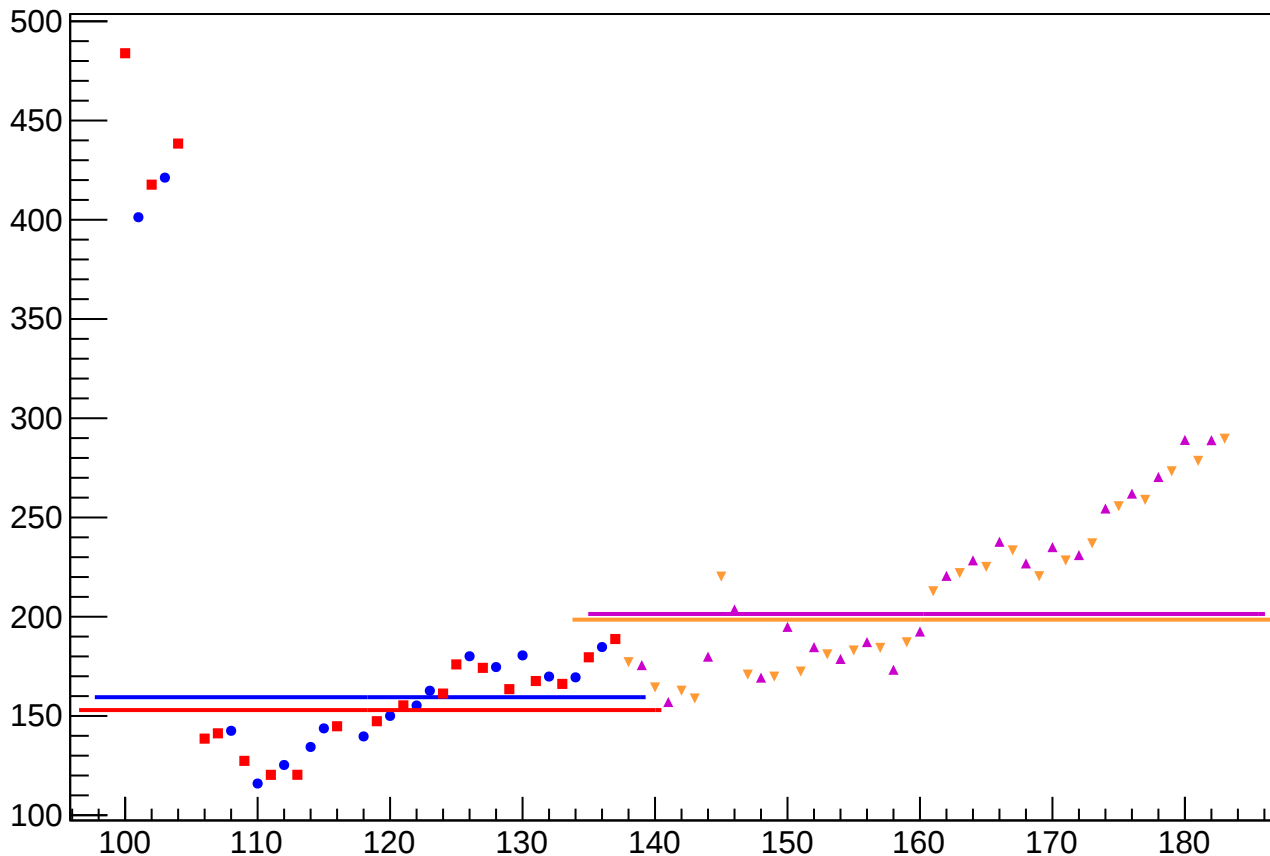
yield_bpm1i02WS_mean vs Slug



Right In: 154784.970 ± 0.065 $\chi^2/\text{NDF}: 265445259.7/16$
 Left Out: 145284.512 ± 0.048 $\chi^2/\text{NDF}: 1696886611.3/23$
 Right Out: 154822.442 ± 0.061 $\chi^2/\text{NDF}: 293784821.8/18$
 Left In: 144794.639 ± 0.050 $\chi^2/\text{NDF}: 900864564.9/21$

+ sign 148565.455 ± 0.038 $\chi^2/\text{NDF}: 15746211915.$
 All: 148687.225 ± 0.027 $\chi^2/\text{NDF}: 33218791.$
 - sign 148809.361 ± 0.039 $\chi^2/\text{NDF}: 17452517063.2$

yield_bpm1i02WS_rms vs Slug



Right In: 159.460 $\pm$ 0.046 χ^2 /NDF: 1131650.0/16

Left Out: 198.518 $\pm$ 0.034 χ^2 /NDF:1104881.5/23

Right Out: 152.961 $\pm$ 0.043 χ^2 /NDF: 1169783.0/18

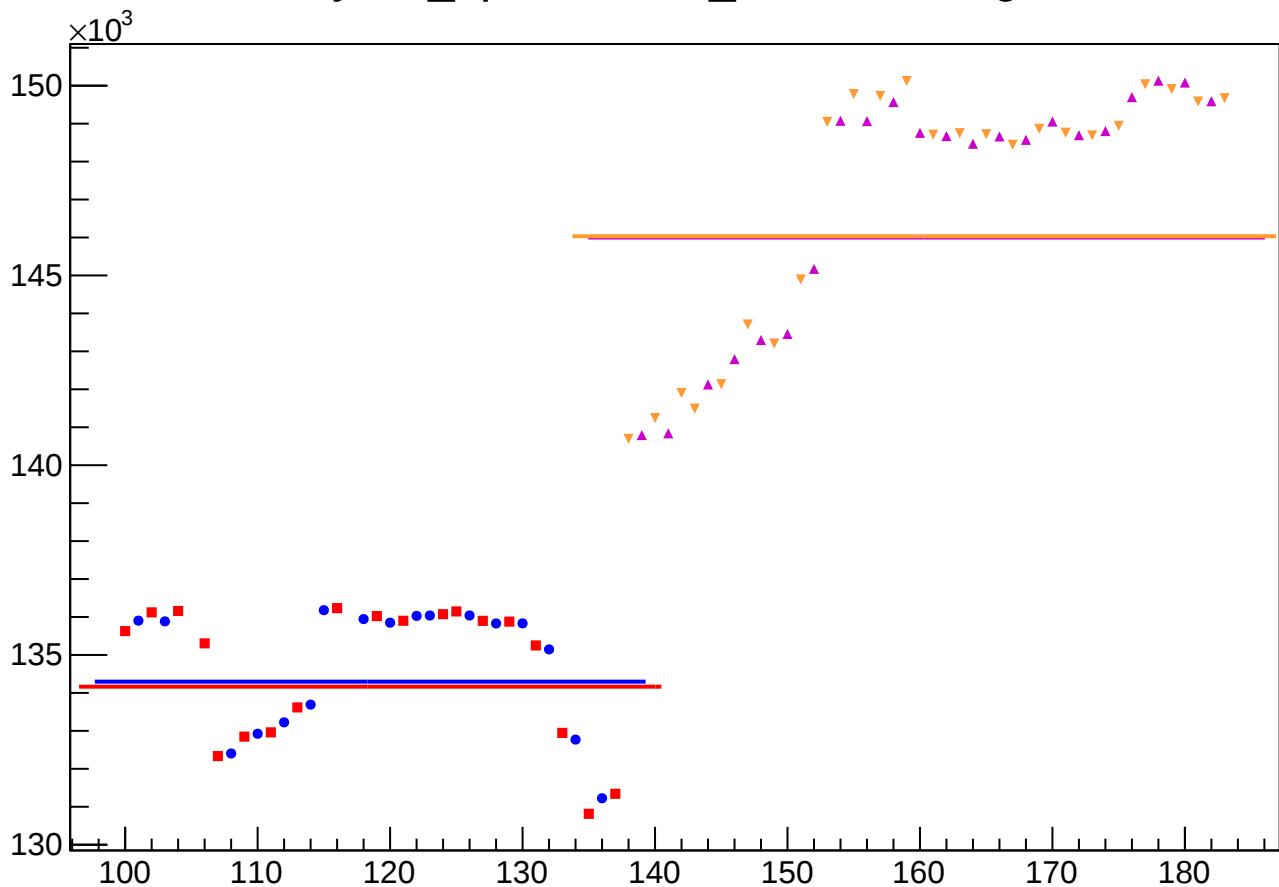
Left In: 201.390 $\pm$ 0.035 χ^2 /NDF:1008988.8/21

+ sign 185.029 $\pm$ 0.027 χ^2 /NDF: 2702481.9/40

All: 183.517 $\pm$ 0.019 χ^2 /NDF: 5645809.3/81

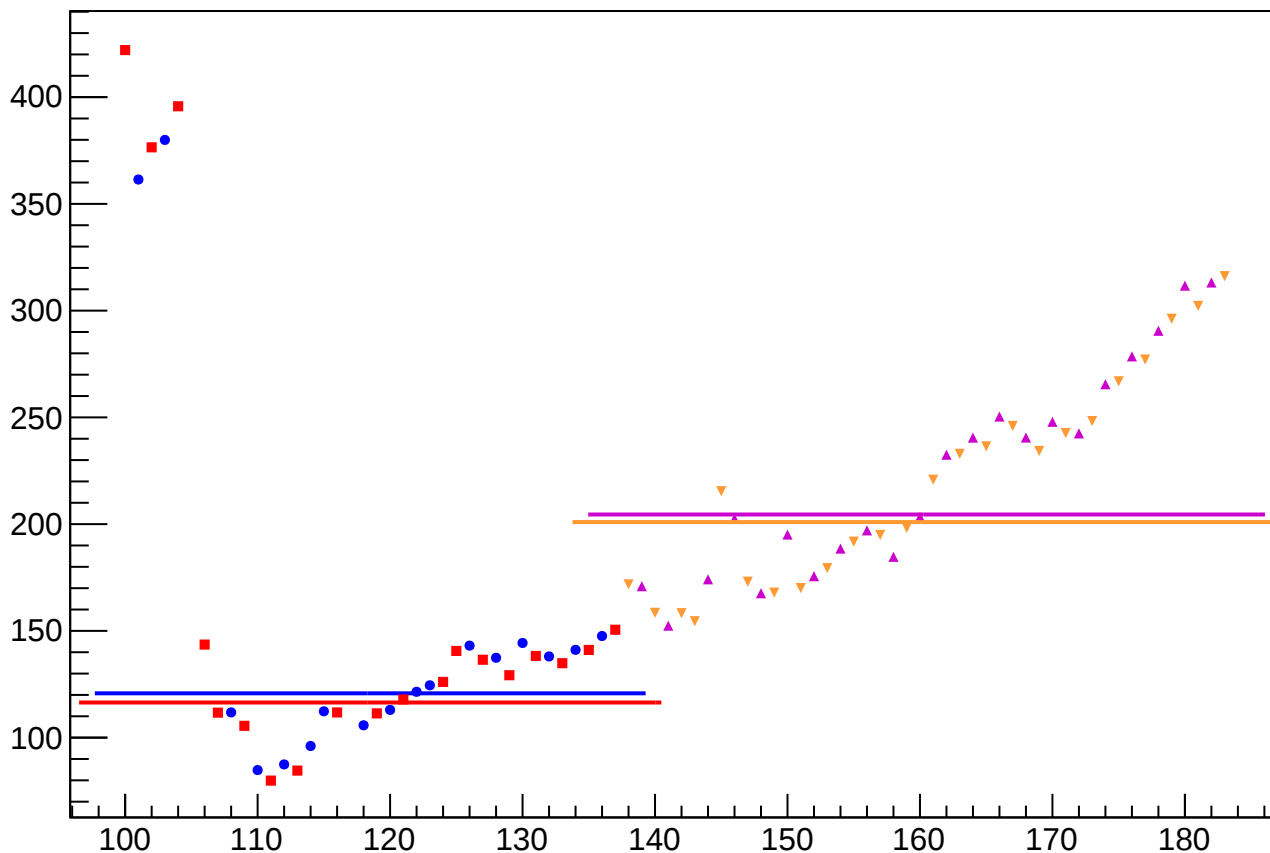
- sign 182.001 $\pm$ 0.027 χ^2 /NDF: 2937141.5/40

yield_bpm1i04WS_mean vs Slug



Right In: 134297.022 $\pm$ 0.050 χ^2 /NDF: 1147567257.7/16
 Left Out: 146032.932 $\pm$ 0.048 χ^2 /NDF: 5377566571.7/23
 Right Out: 134164.594 $\pm$ 0.047 χ^2 /NDF: 1210514088.0/18
 Left In: 145998.544 $\pm$ 0.051 χ^2 /NDF: 4566570517.4/21
 All: 140029.893 $\pm$ 0.025 χ^2 /NDF: 696912580
 + sign 140396.574 $\pm$ 0.035 χ^2 /NDF: 34708725053.
 - sign 139668.591 $\pm$ 0.035 χ^2 /NDF: 34763701753.1

yield_bpm1i04WS_rms vs Slug



Right In: 120.752 $\pm$ 0.036 χ^2 /NDF: 1465247.5/16

Left Out: 200.968 $\pm$ 0.034 χ^2 /NDF:1525443.9/23

Right Out: 116.453 $\pm$ 0.034 χ^2 /NDF: 1535612.1/18

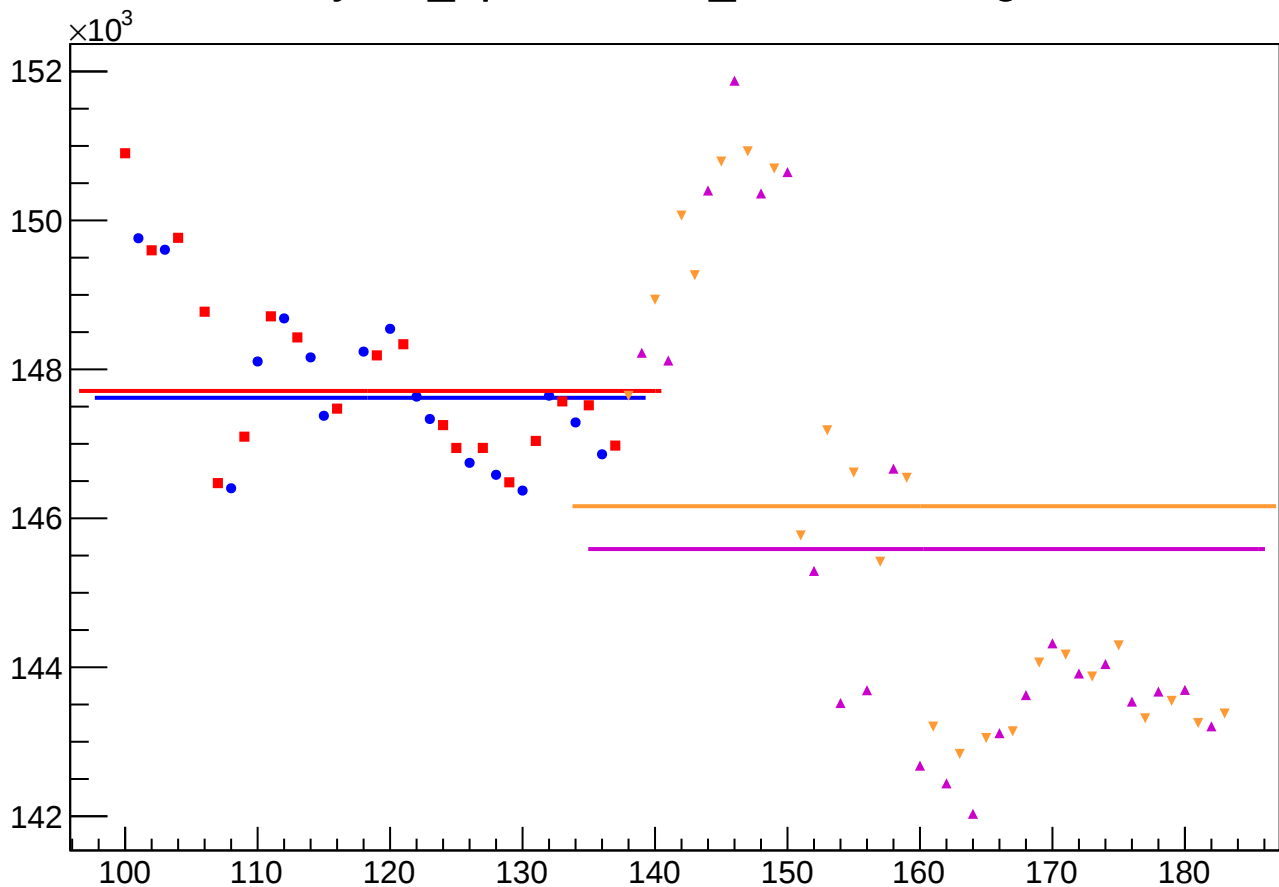
Left In: 204.510 $\pm$ 0.036 χ^2 /NDF:1360273.5/21

+ sign 162.443 $\pm$ 0.025 χ^2 /NDF: 5624066.8/40

All: 159.907 $\pm$ 0.017 χ^2 /NDF: 11750830.5/83

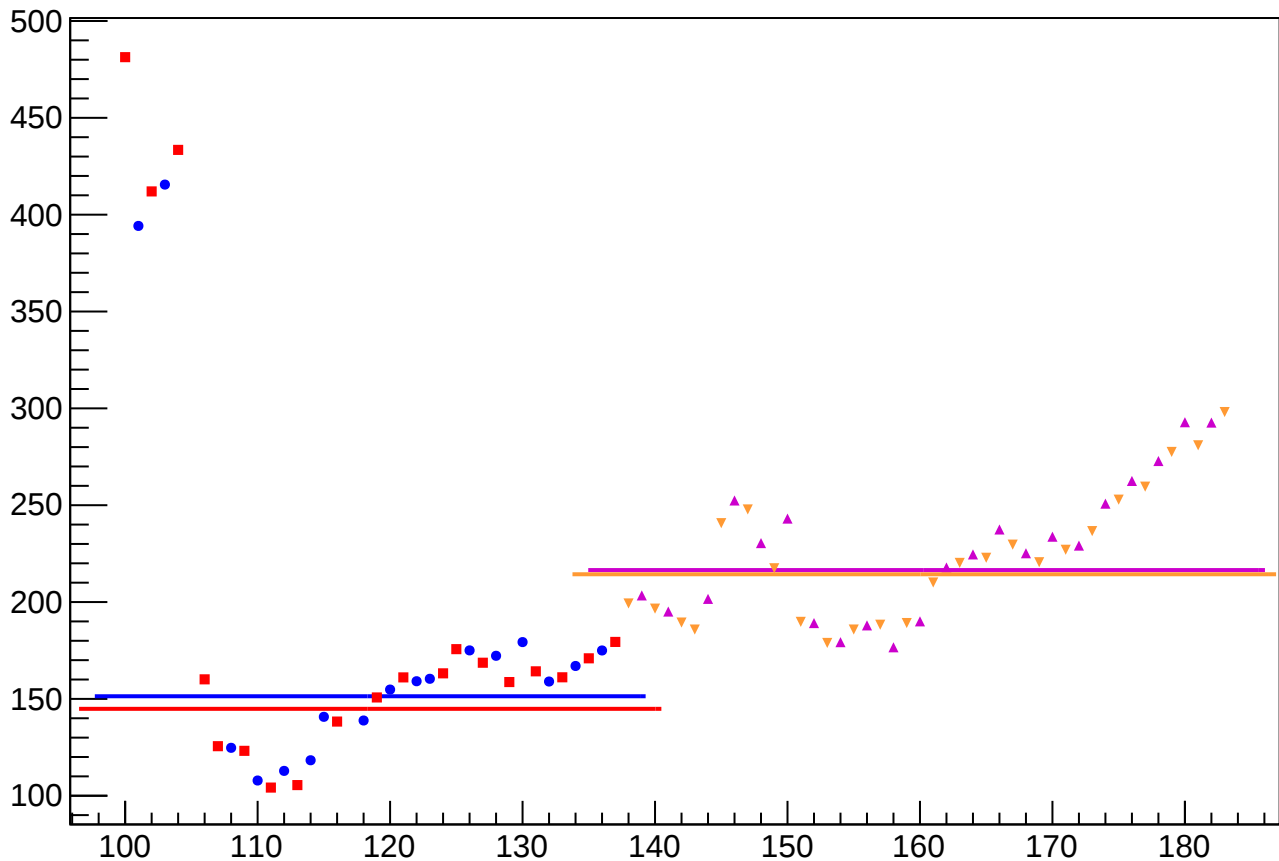
- sign 157.408 $\pm$ 0.025 χ^2 /NDF: 6105828.6/40

yield_bpm1i06WS_mean vs Slug



Right In: 147618.243 $\pm$ 0.063	χ^2 /NDF: 198581777.1/16	+ sign 146744.764 $\pm$ 0.040	χ^2 /NDF: 3194303547.5
Left Out: 146162.624 $\pm$ 0.051	χ^2 /NDF: 2671114034.1/23	All: 146648.467 $\pm$ 0.028	χ^2 /NDF: 716157872
Right Out: 147710.334 $\pm$ 0.058	χ^2 /NDF: 203714451.2/18	- sign 146553.262 $\pm$ 0.039	χ^2 /NDF: 3955502746.8/
Left In: 145587.328 $\pm$ 0.053	χ^2 /NDF: 3030113543.8/21		

yield_bpm1i06WS_rms vs Slug



Right In: 151.363+/-0.044 χ^2/NDF : 1259788.8/16

Left Out: 214.345+/-0.036 χ^2/NDF : 690844.8/23

Right Out: 144.870+/-0.041 χ^2/NDF : 1371292.3/18

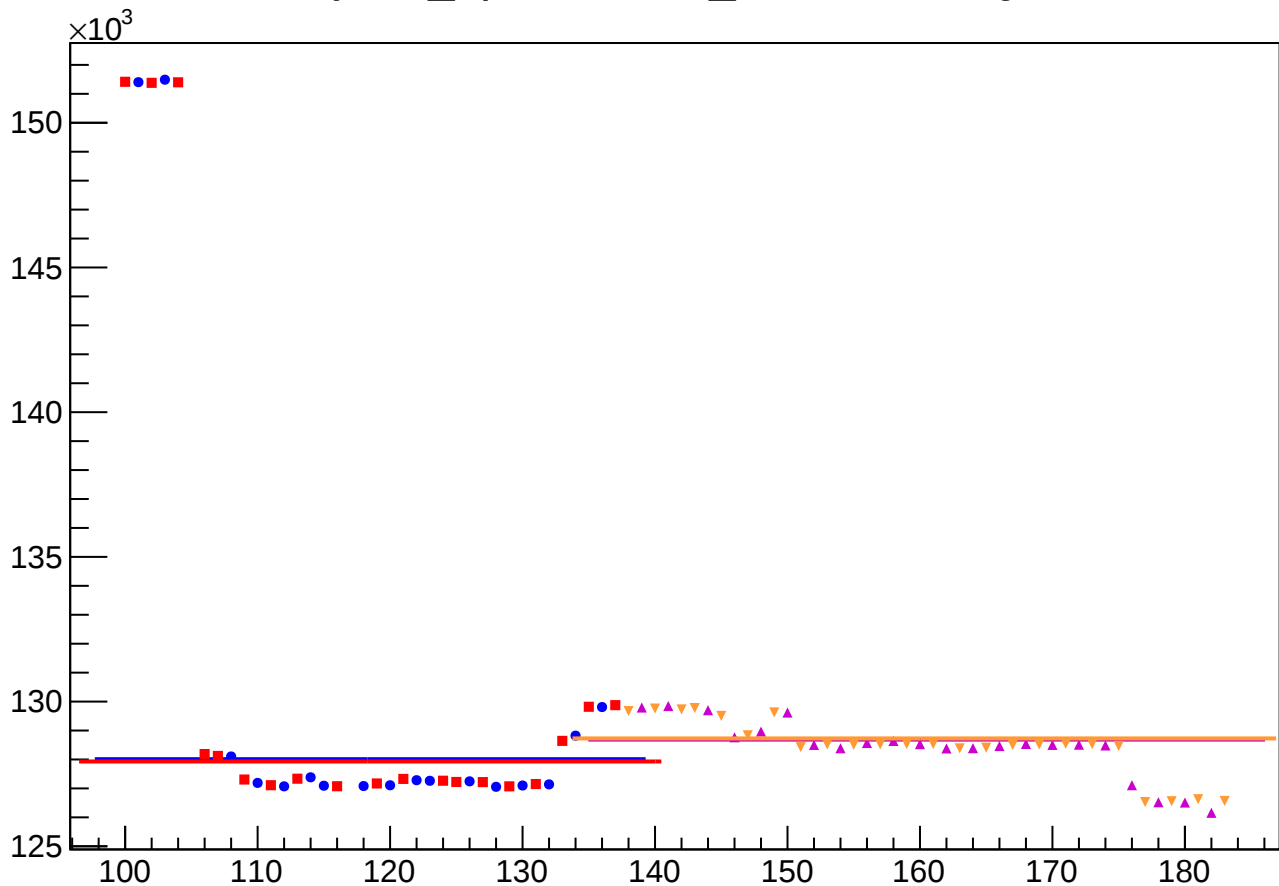
Left In: 216.516+/-0.038 χ^2/NDF : 727536.1/21

+ sign 189.157+/-0.028 χ^2/NDF : 3166084.0/40

All: 186.522+/-0.020 χ^2/NDF : 6926361.0/81

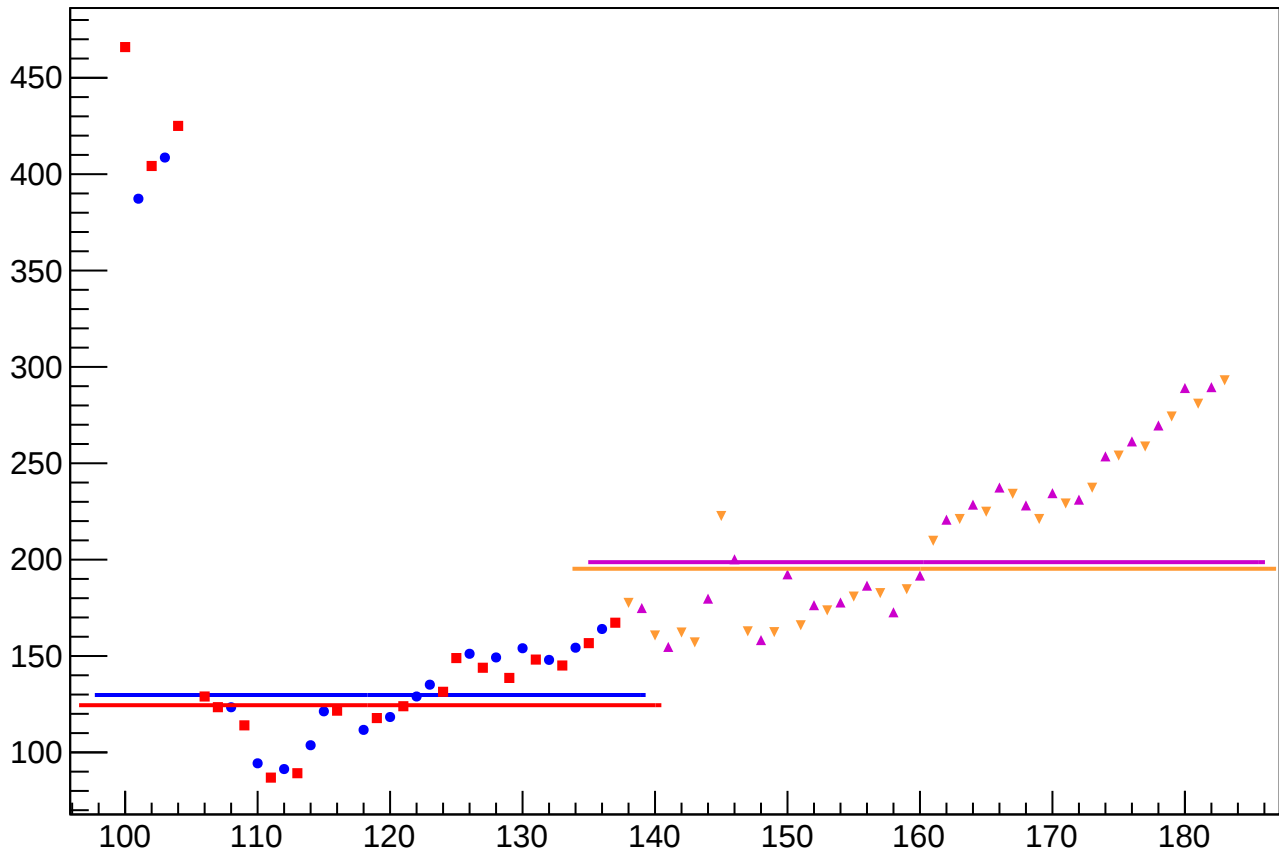
- sign 183.918+/-0.028 χ^2/NDF : 3742656.4/40

yield_bpm2i01WS_mean vs Slug



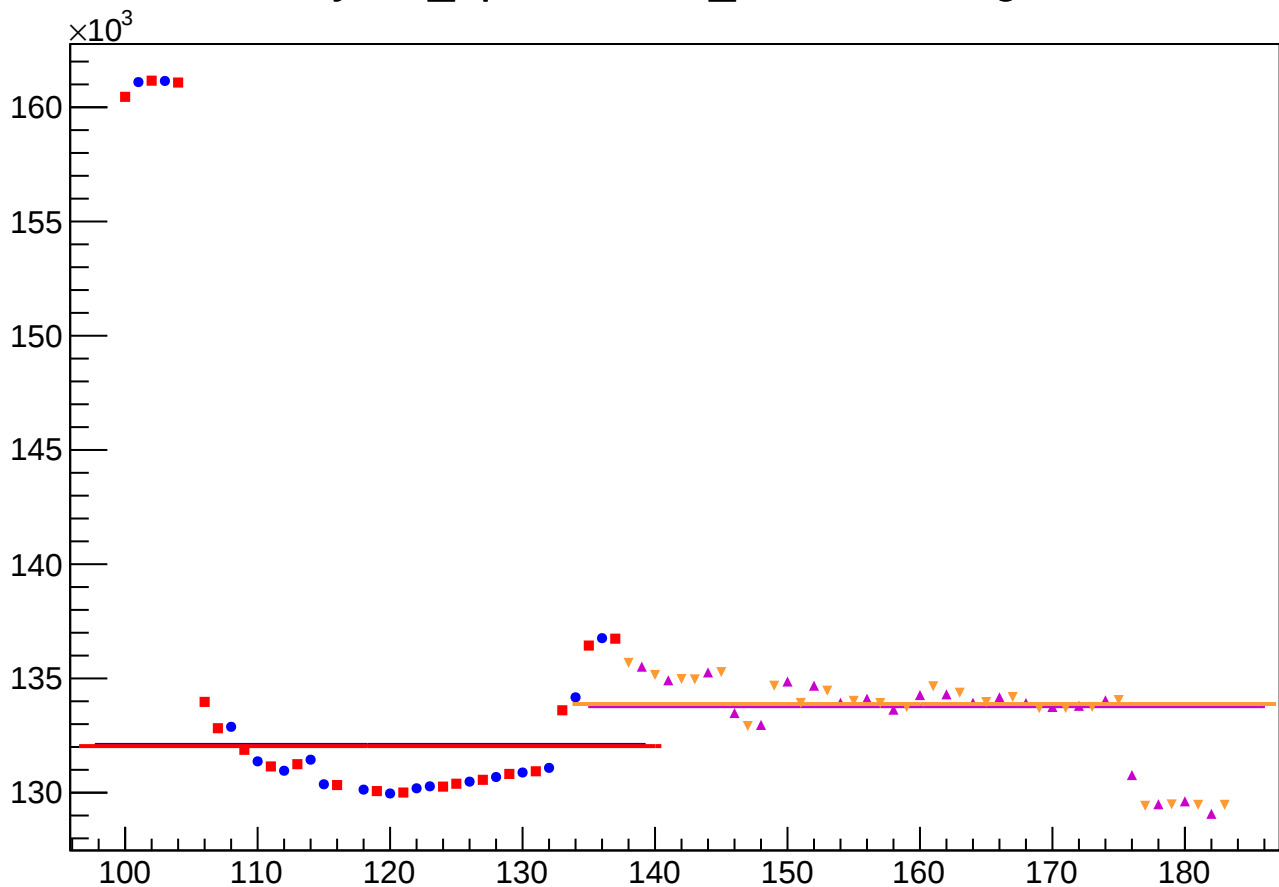
Right In: 128009.906 $\pm$ 0.054 χ^2 /NDF: 4319099803.8/16
 Left Out: 128727.572 $\pm$ 0.047 χ^2 /NDF: 335870479.5/23
 Right Out: 127930.465 $\pm$ 0.050 χ^2 /NDF: 3768075163.1/18
 Left In: 128685.920 $\pm$ 0.049 χ^2 /NDF: 313894736.5/21
 + sign 128420.784 $\pm$ 0.035 χ^2 /NDF: 4755295456.6
 All: 128368.711 $\pm$ 0.025 χ^2 /NDF: 895665500
 - sign 128317.367 $\pm$ 0.035 χ^2 /NDF: 4197073392.9

yield_bpm2i01WS_rms vs Slug



Right In: 129.769+/-0.038	χ^2/NDF : 1483741.9/16	+ sign 167.269+/-0.025	χ^2/NDF : 4414072.2/40
Left Out: 195.269+/-0.033	χ^2/NDF : 1258966.2/23	All: 164.862+/-0.018	χ^2/NDF : 9291168.1/81
Right Out: 124.477+/-0.036	χ^2/NDF : 1526276.6/18	- sign 162.488+/-0.025	χ^2/NDF : 4858778.4/40
Left In: 198.696+/-0.035	χ^2/NDF : 1110567.7/21		

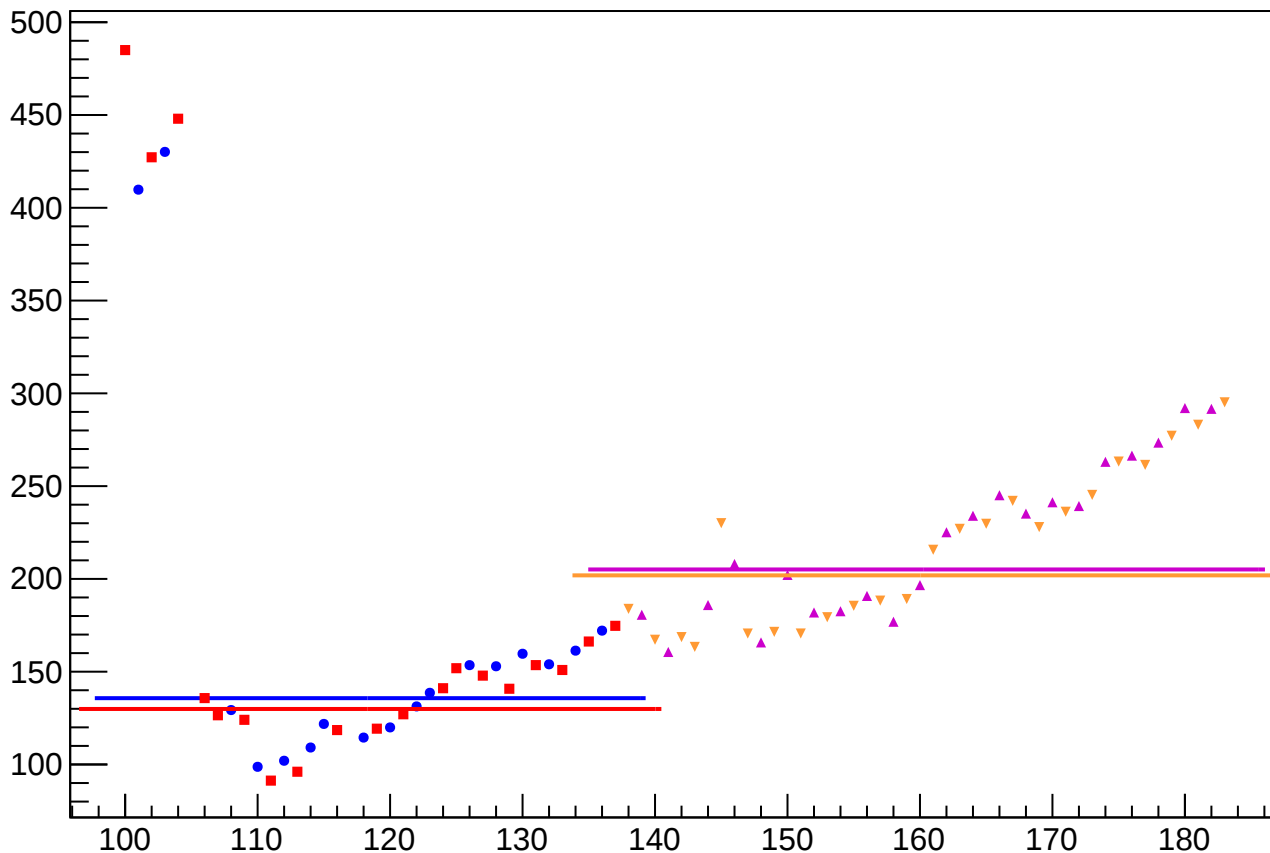
yield_bpm2i02WS_mean vs Slug



Right In: 132090.159 $\pm$ 0.057 χ^2 /NDF: 6731961368.4/16
 Left Out: 133879.453 $\pm$ 0.048 χ^2 /NDF: 1026482114.2/23
 Right Out: 132038.077 $\pm$ 0.053 χ^2 /NDF: 5881799125.4/18
 Left In: 133786.689 $\pm$ 0.051 χ^2 /NDF: 888209557.2/21

+ sign 133124.183 $\pm$ 0.037 χ^2 /NDF: 8335770104.2
 All: 133032.955 $\pm$ 0.026 χ^2 /NDF: 156913529
 - sign 132943.157 $\pm$ 0.036 χ^2 /NDF: 7343374606.6

yield_bpm2i02WS_rms vs Slug



Right In: 135.730 ± 0.040 χ^2/NDF : 1442560.7/16

Left Out: 201.912 ± 0.034 χ^2/NDF : 1163197.3/23

Right Out: 129.912 ± 0.037 χ^2/NDF : 1498757.6/18

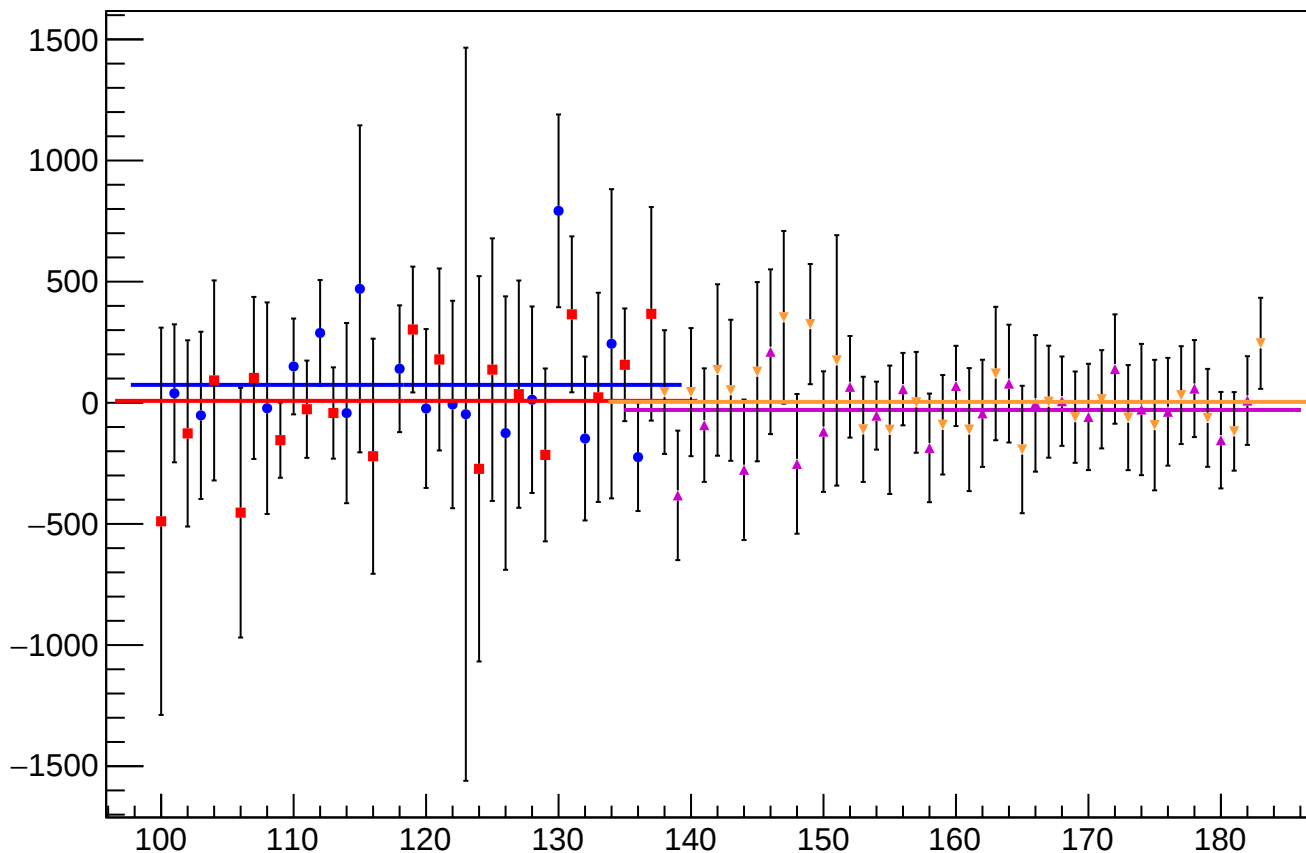
Left In: 205.093 ± 0.036 χ^2/NDF : 1045330.3/21

+ sign 173.976 ± 0.026 χ^2/NDF : 4185397.3/40

All: 171.381 ± 0.018 χ^2/NDF : 8869032.1/81

- sign 168.826 ± 0.026 χ^2/NDF : 4663870.4/40

asym_bcm_an_ds_mean vs Slug



Right In: 74.036 ± 79.233 χ^2/NDF : 7.6/16

Left Out: 3.781 ± 48.137 χ^2/NDF : 7.4/23

Right Out: 8.046 ± 70.080 χ^2/NDF : 7.2/18

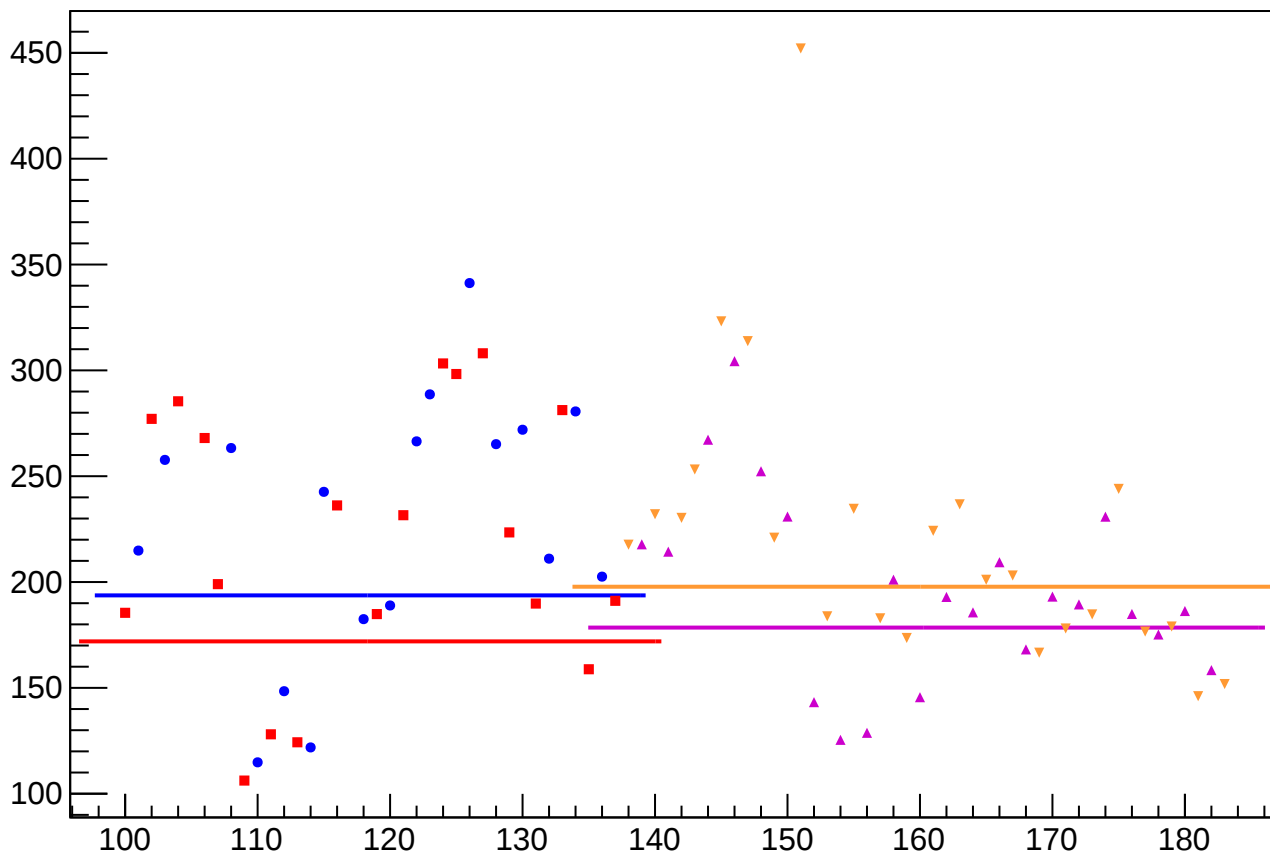
Left In: -29.521 ± 45.213 χ^2/NDF : 6.6/21

+ sign 22.722 ± 41.140 χ^2/NDF : 15.6/40

All: 0.485 ± 27.911 χ^2/NDF : 30.2/81

- sign -18.480 ± 37.992 χ^2/NDF : 14.1/40

asym_bcm_an_ds_rms vs Slug



Right In: 193.695 $\pm$ 0.056 χ^2 /NDF: 1018039.6/16

Left Out: 197.786 $\pm$ 0.034 χ^2 /NDF: 1728306.3/23

Right Out: 171.963 $\pm$ 0.050 χ^2 /NDF: 1574387.3/18

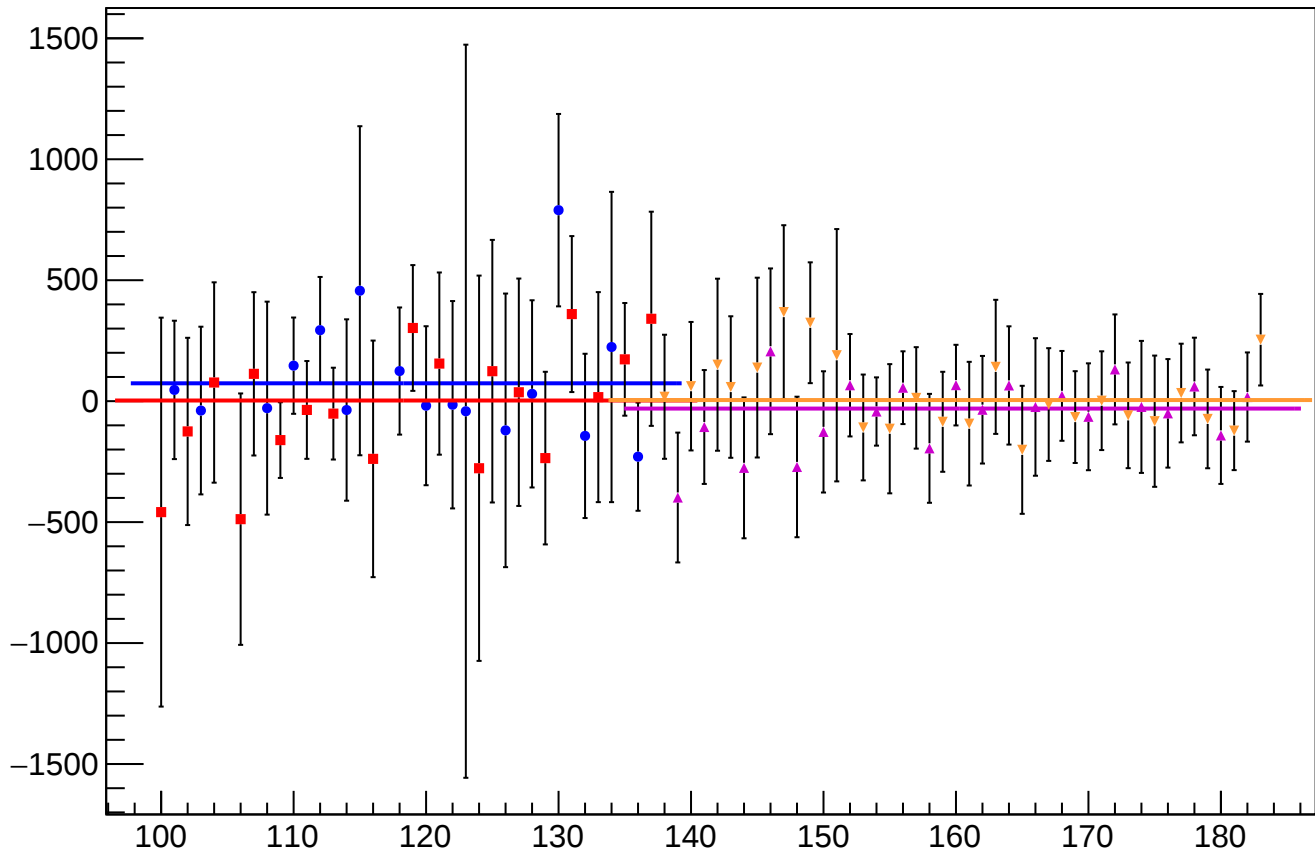
Left In: 178.481 $\pm$ 0.032 χ^2 /NDF: 1593035.1/21

+ sign 196.683 $\pm$ 0.029 χ^2 /NDF: 2750239.2/40

All: 185.825 $\pm$ 0.020 χ^2 /NDF: 6187992.7/81

- sign 176.565 $\pm$ 0.027 χ^2 /NDF: 3179639.4/40

asym_bcm_an_ds3_mean vs Slug



Right In: 73.822 ± 79.620 χ^2/NDF : 7.5/16

Left Out: 4.583 ± 48.473 χ^2/NDF : 7.7/23

Right Out: 2.721 ± 70.450 χ^2/NDF : 7.4/18

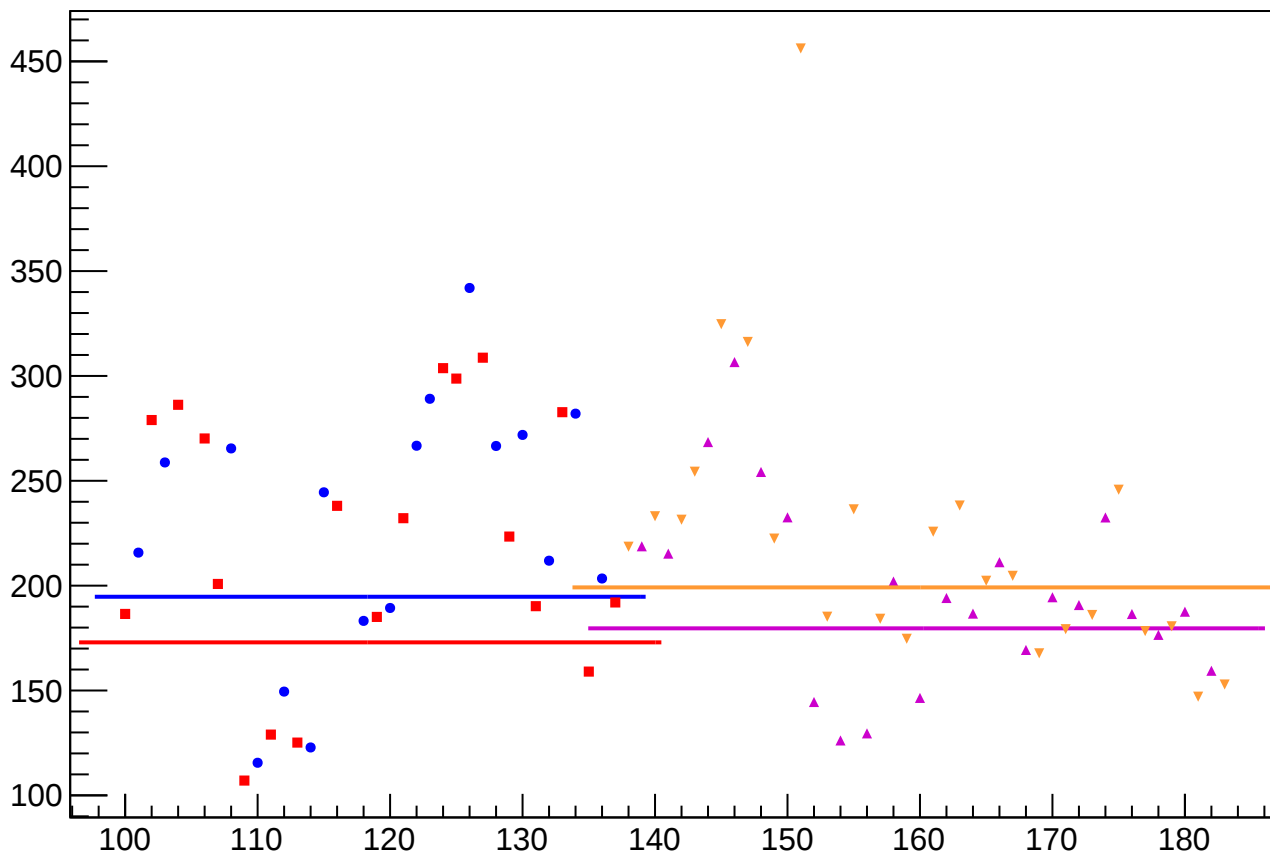
Left In: -30.642 ± 45.507 χ^2/NDF : 6.8/21

+ sign 23.306 ± 41.403 χ^2/NDF : 15.8/40

All: -0.515 ± 28.086 χ^2/NDF : 30.7/81

- sign -20.819 ± 38.226 χ^2/NDF : 14.3/40

asym_bcm_an_ds3_rms vs Slug



Right In: 194.704 $\pm$ 0.056 χ^2 /NDF: 1009606.0/16

Left Out: 199.168 $\pm$ 0.034 χ^2 /NDF: 1724254.1/23

Right Out: 172.953 $\pm$ 0.050 χ^2 /NDF: 1562179.1/18

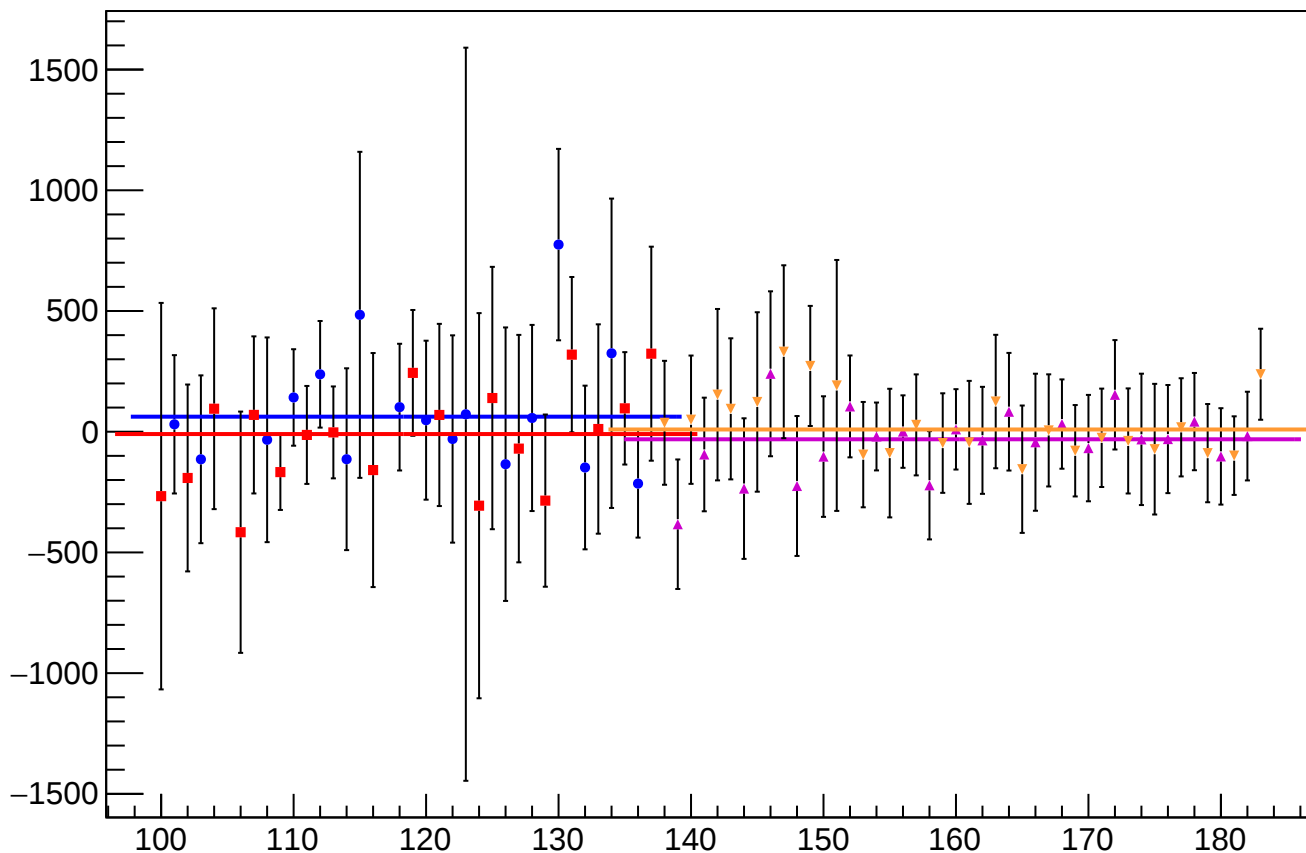
Left In: 179.639 $\pm$ 0.032 χ^2 /NDF: 1592456.0/21

+ sign 197.961 $\pm$ 0.029 χ^2 /NDF: 2738447.2/40

All: 187.008 $\pm$ 0.020 χ^2 /NDF: 6165095.1/81

- sign 177.671 $\pm$ 0.027 χ^2 /NDF: 3167345.9/40

asym_bcm_an_us_mean vs Slug



Right In: 62.284 $\pm$ 79.616 χ^2 /NDF: 7.2/16

Left Out: 9.257 $\pm$ 48.347 χ^2 /NDF: 6.0/23

Right Out: -9.662 $\pm$ 70.372 χ^2 /NDF: 5.9/18

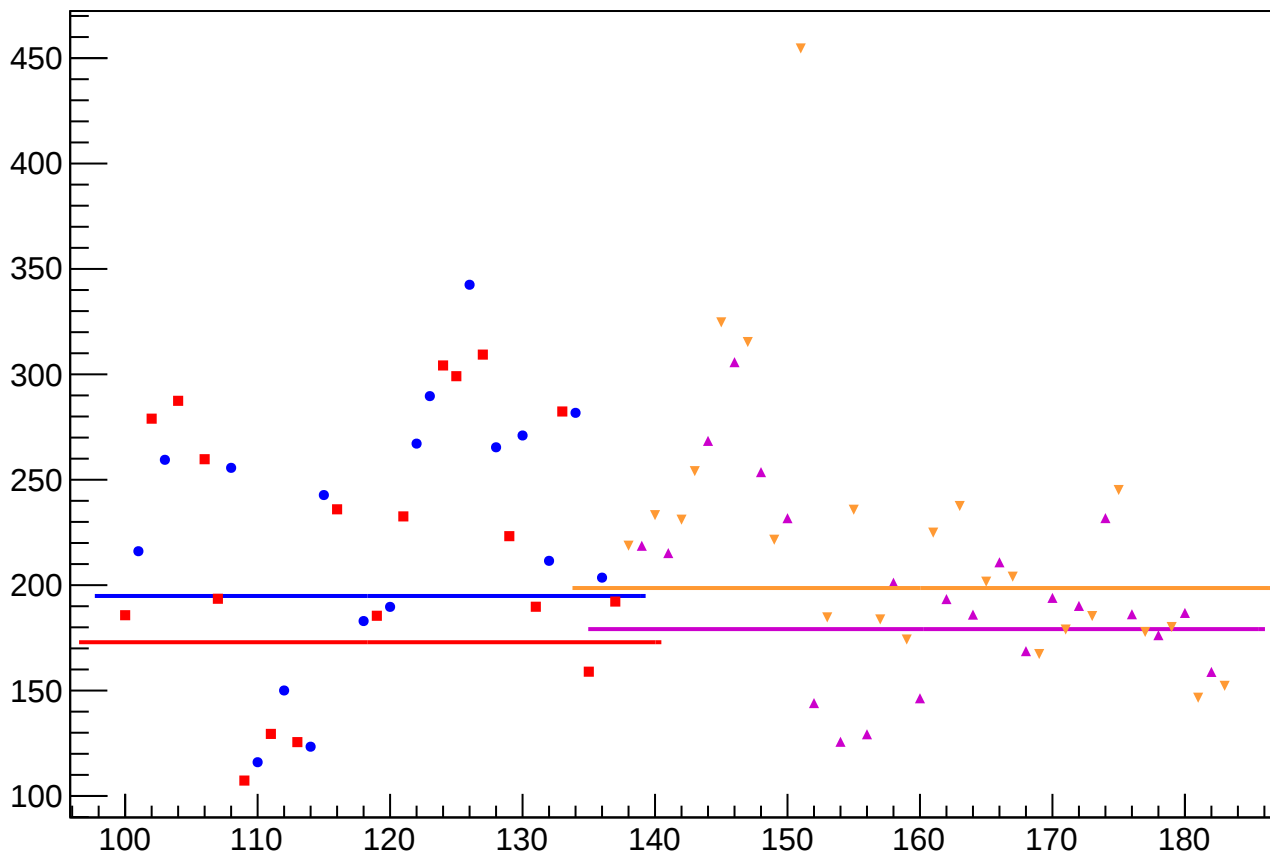
Left In: -31.353 $\pm$ 45.386 χ^2 /NDF: 6.0/21

+ sign 23.543 $\pm$ 41.325 χ^2 /NDF: 13.6/40

All: -2.659 $\pm$ 28.028 χ^2 /NDF: 26.2/81

- sign -24.981 $\pm$ 38.142 χ^2 /NDF: 11.9/40

asym_bcm_an_us_rms vs Slug



Right In: 194.868 $\pm$ 0.056 χ^2 /NDF: 987545.2/16

Left Out: 198.639 $\pm$ 0.034 χ^2 /NDF: 1729644.9/23

Right Out: 172.928 $\pm$ 0.050 χ^2 /NDF: 1539123.2/18

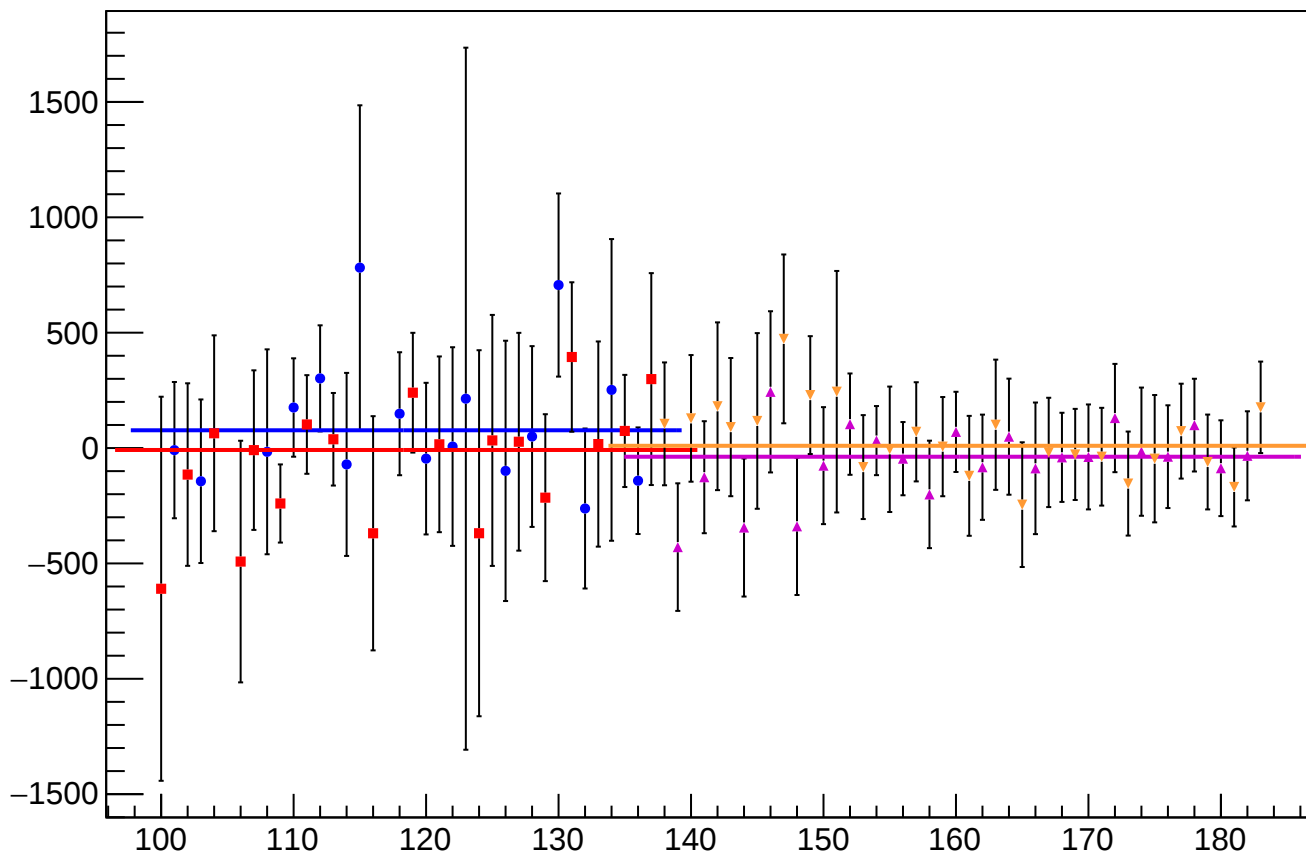
Left In: 179.155 $\pm$ 0.032 χ^2 /NDF: 1596119.9/21

+ sign 197.623 $\pm$ 0.029 χ^2 /NDF: 2720468.4/40

All: 186.663 $\pm$ 0.020 χ^2 /NDF: 6127328.6/81

- sign 177.326 $\pm$ 0.027 χ^2 /NDF: 3146303.5/40

asym_bcm_dg_us_mean vs Slug



Right In: 77.030 ± 82.098 χ^2/NDF : 7.6/16

Left Out: 9.808 ± 49.848 χ^2/NDF : 7.4/23

Right Out: -8.365 ± 73.326 χ^2/NDF : 7.8/18

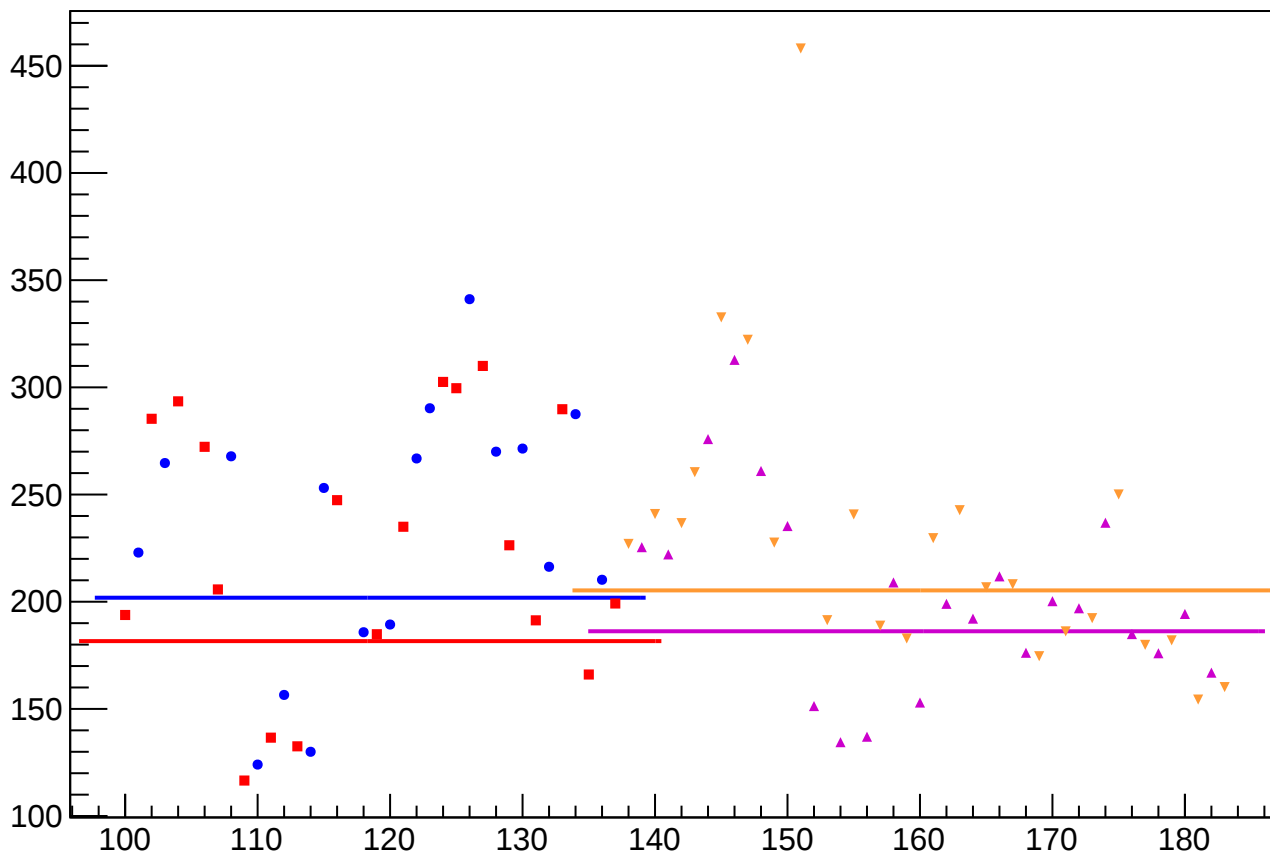
Left In: -37.627 ± 47.012 χ^2/NDF : 7.6/21

+ sign 27.915 ± 42.609 χ^2/NDF : 15.5/40

All: -2.695 ± 28.998 χ^2/NDF : 32.0/81

- sign -29.102 ± 39.576 χ^2/NDF : 15.5/40

asym_bcm_dg_us_rms vs Slug



Right In: 201.873 $\pm$ 0.058 χ^2 /NDF: 884412.3/16

Left Out: 205.283 $\pm$ 0.035 χ^2 /NDF: 1628150.6/23

Right Out: 181.626 $\pm$ 0.052 χ^2 /NDF: 1373392.9/18

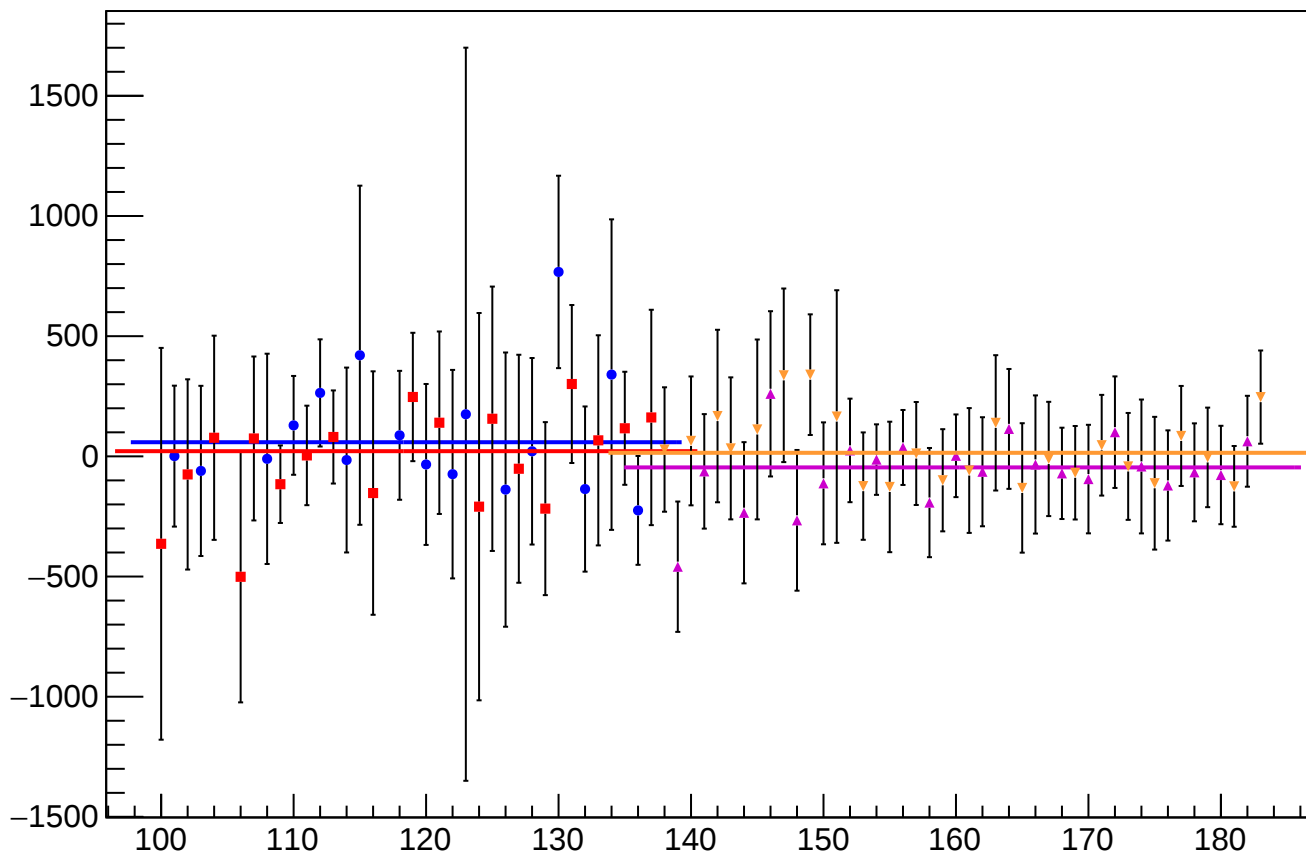
Left In: 186.223 $\pm$ 0.033 χ^2 /NDF: 1436528.7/21

+ sign 204.365 $\pm$ 0.030 χ^2 /NDF: 2515084.3/40

All: 193.906 $\pm$ 0.021 χ^2 /NDF: 5555010.4/81

- sign 184.884 $\pm$ 0.028 χ^2 /NDF: 2815492.5/40

asym_bcm_dg_ds_mean vs Slug



Right In: 58.835 $\pm$ 81.036 χ^2 /NDF: 7.0/16

Left Out: 14.776 $\pm$ 49.395 χ^2 /NDF: 7.1/23

Right Out: 21.559 $\pm$ 71.880 χ^2 /NDF: 4.7/18

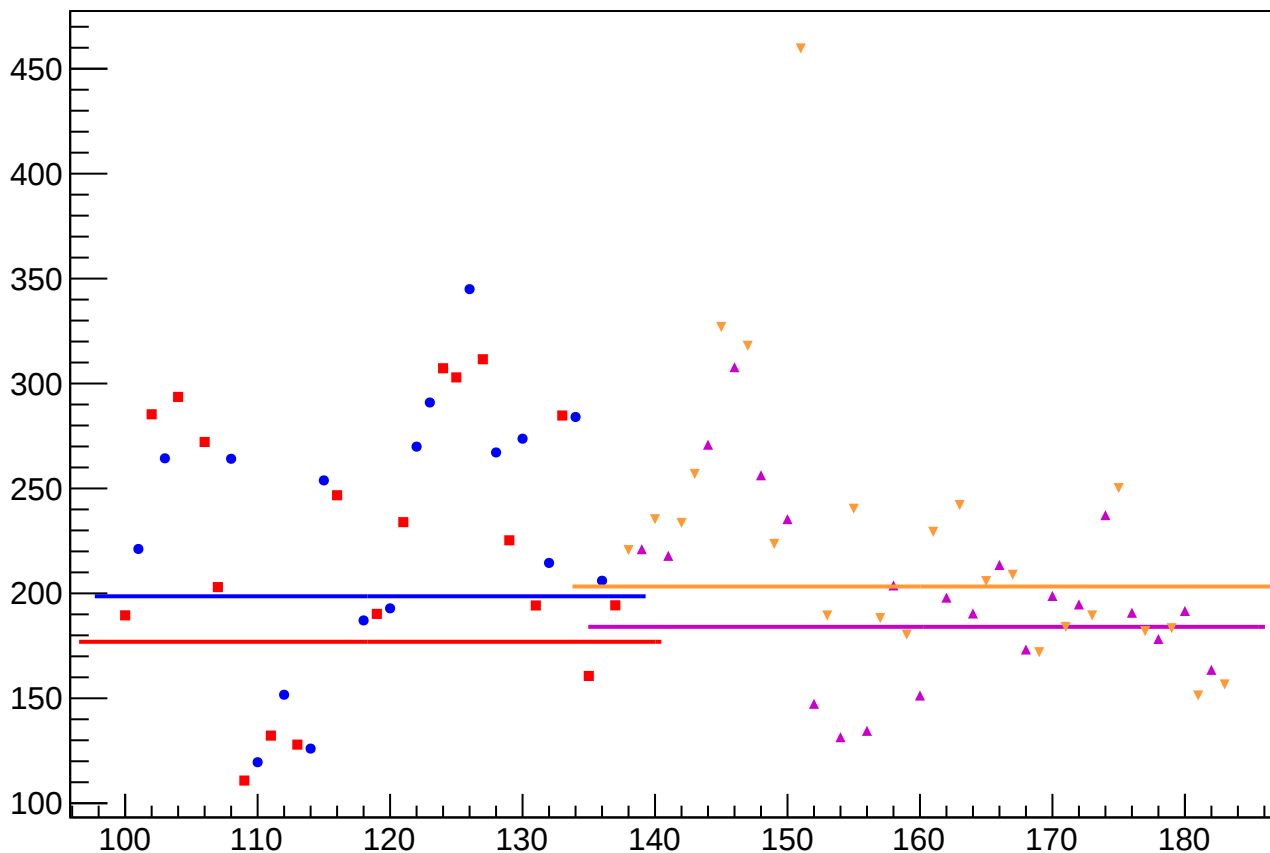
Left In: -45.945 $\pm$ 46.517 χ^2 /NDF: 6.5/21

+ sign 26.711 $\pm$ 42.178 χ^2 /NDF: 14.3/40

All: -1.679 $\pm$ 28.656 χ^2 /NDF: 26.9/81

- sign -26.019 $\pm$ 39.053 χ^2 /NDF: 11.8/40

asym_bcm_dg_ds_rms vs Slug



Right In: 198.615 $\pm$ 0.057 χ^2 /NDF: 965079.3/16

Left Out: 203.279 $\pm$ 0.035 χ^2 /NDF:1645024.1/23

Right Out: 176.933 $\pm$ 0.051 χ^2 /NDF: 1519414.5/18

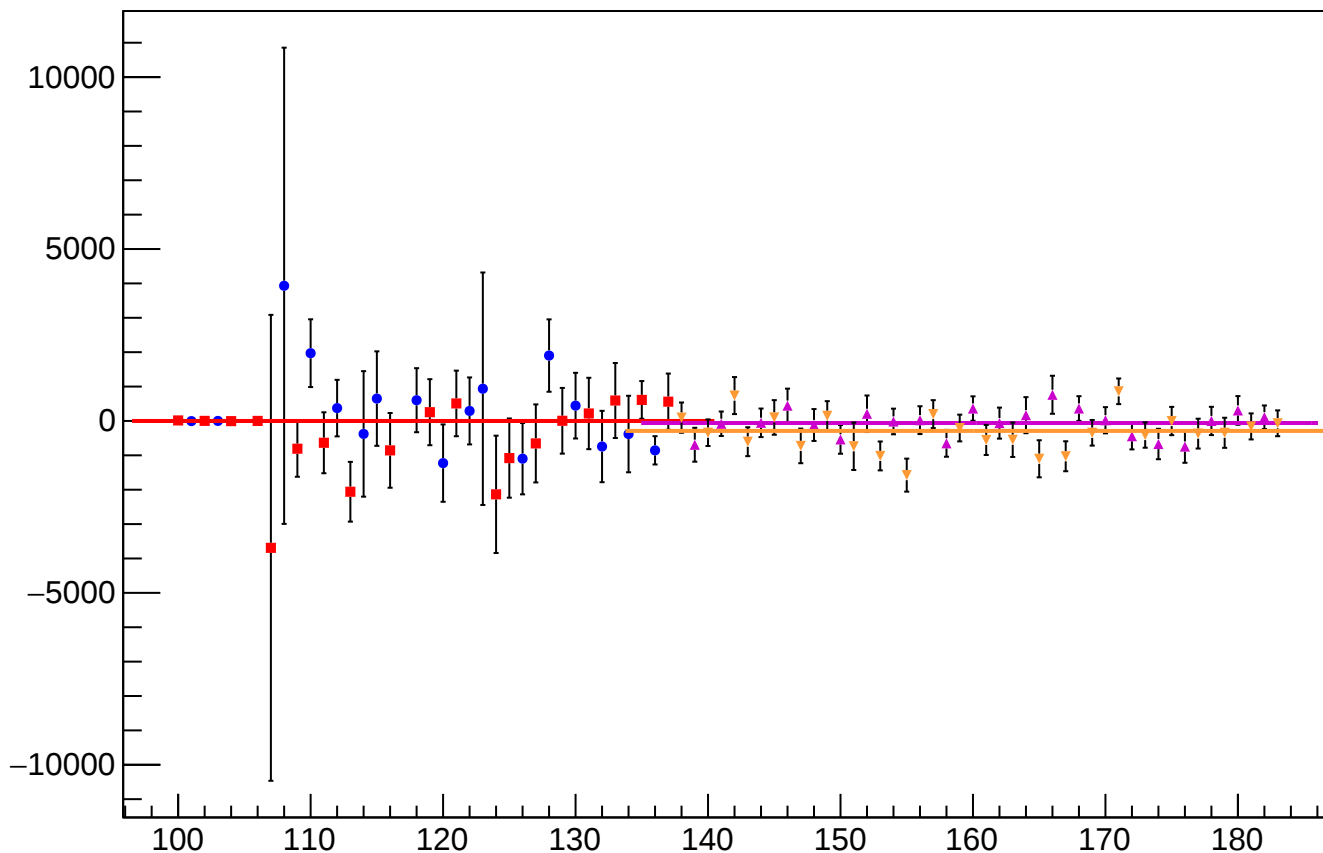
Left In: 184.056 $\pm$ 0.033 χ^2 /NDF:1470833.8/21

+ sign 202.016 $\pm$ 0.030 χ^2 /NDF: 2614934.0/40

All: 191.214 $\pm$ 0.020 χ^2 /NDF: 5862660.3/81

- sign 181.953 $\pm$ 0.028 χ^2 /NDF: 3004091.9/40

asym_cav4bQ_mean vs Slug



Right In: -1.530 ± 2.251 χ^2/NDF : 17.4/16

Left Out: -289.983 ± 87.923 χ^2/NDF : 35.9/23

Right Out: -0.726 ± 2.111 χ^2/NDF : 19.1/18

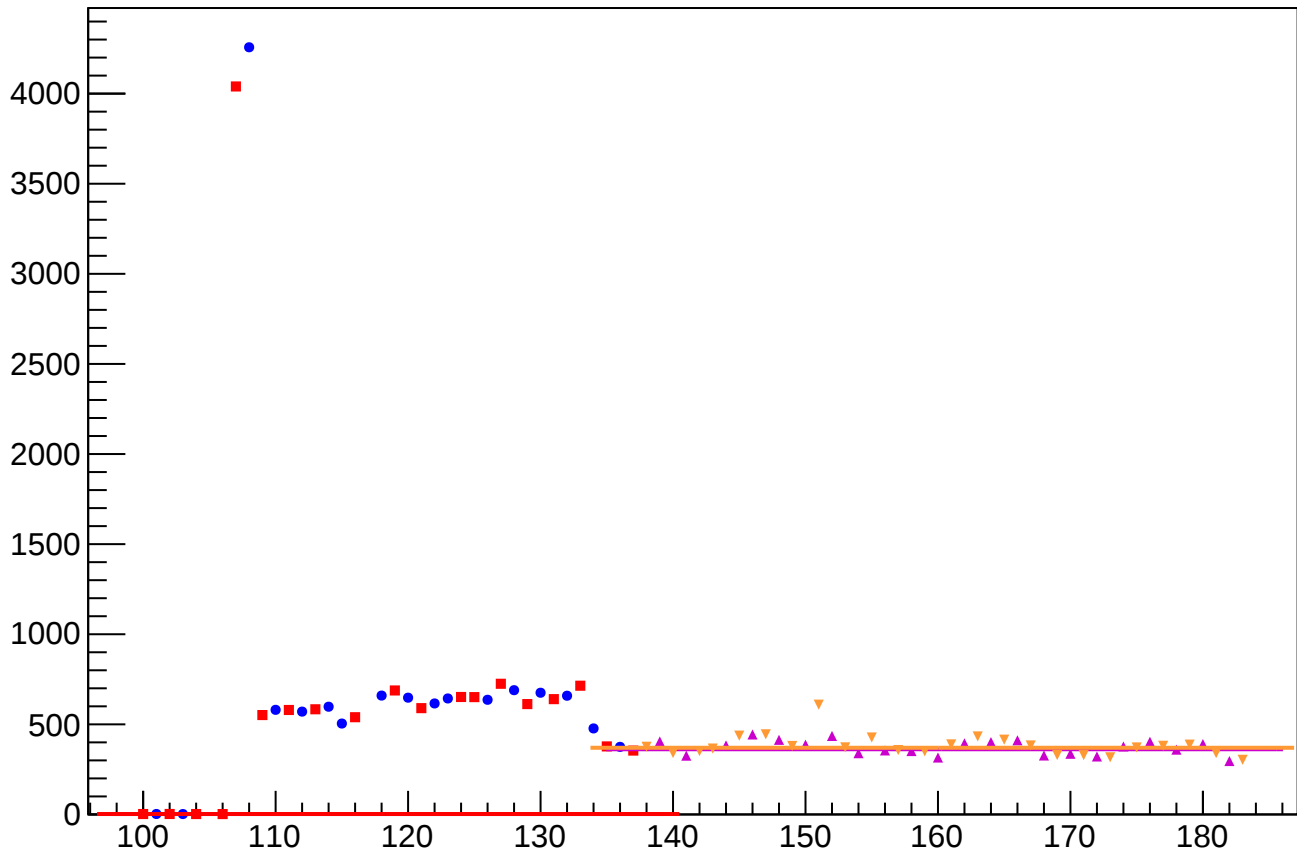
Left In: -60.065 ± 88.824 χ^2/NDF : 17.9/21

+ sign -1.719 ± 2.251 χ^2/NDF : 64.1/40

All: -1.208 ± 1.540 χ^2/NDF : 101.7/81

- sign -0.759 ± 2.111 χ^2/NDF : 37.5/40

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10808630.7/16

Left Out: 370.045+/-0.062 χ^2/NDF : 589974.8/23

Right Out: 2.437+/-0.001 χ^2/NDF : 11101281.1/18

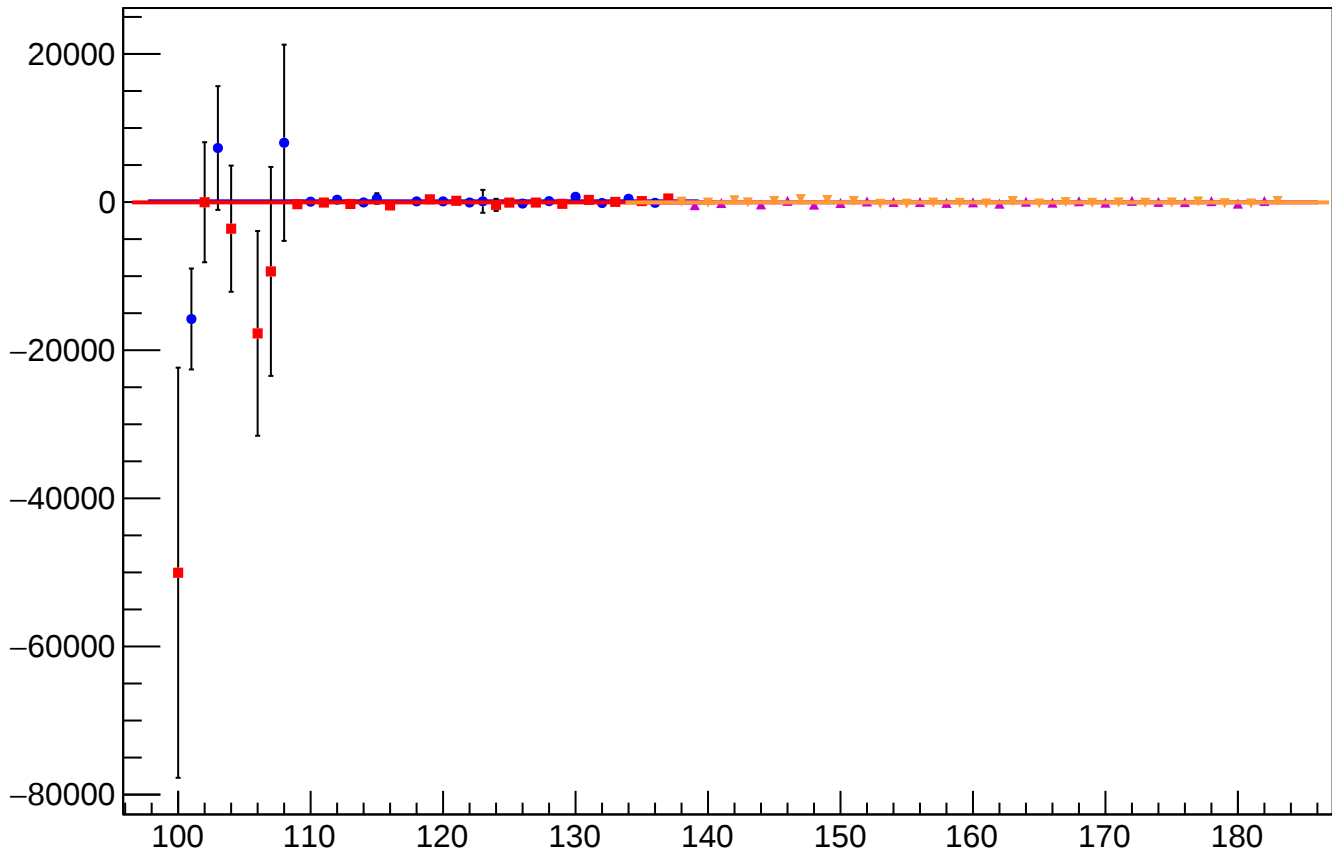
Left In: 361.811+/-0.063 χ^2/NDF : 396587.2/21

+ sign 2.697+/-0.002 χ^2/NDF : 46333534.1/40

All: 2.667+/-0.001 χ^2/NDF : 90552750.2/81

- sign 2.639+/-0.001 χ^2/NDF : 44218513.6/40

asym_cav4cQ_mean vs Slug



Right In: 100.742 $\pm$ 91.159 χ^2 /NDF: 12.0/16

Left Out: -44.072 $\pm$ 50.208 χ^2 /NDF: 8.7/23

Right Out: -37.835 $\pm$ 84.525 χ^2 /NDF: 14.0/18

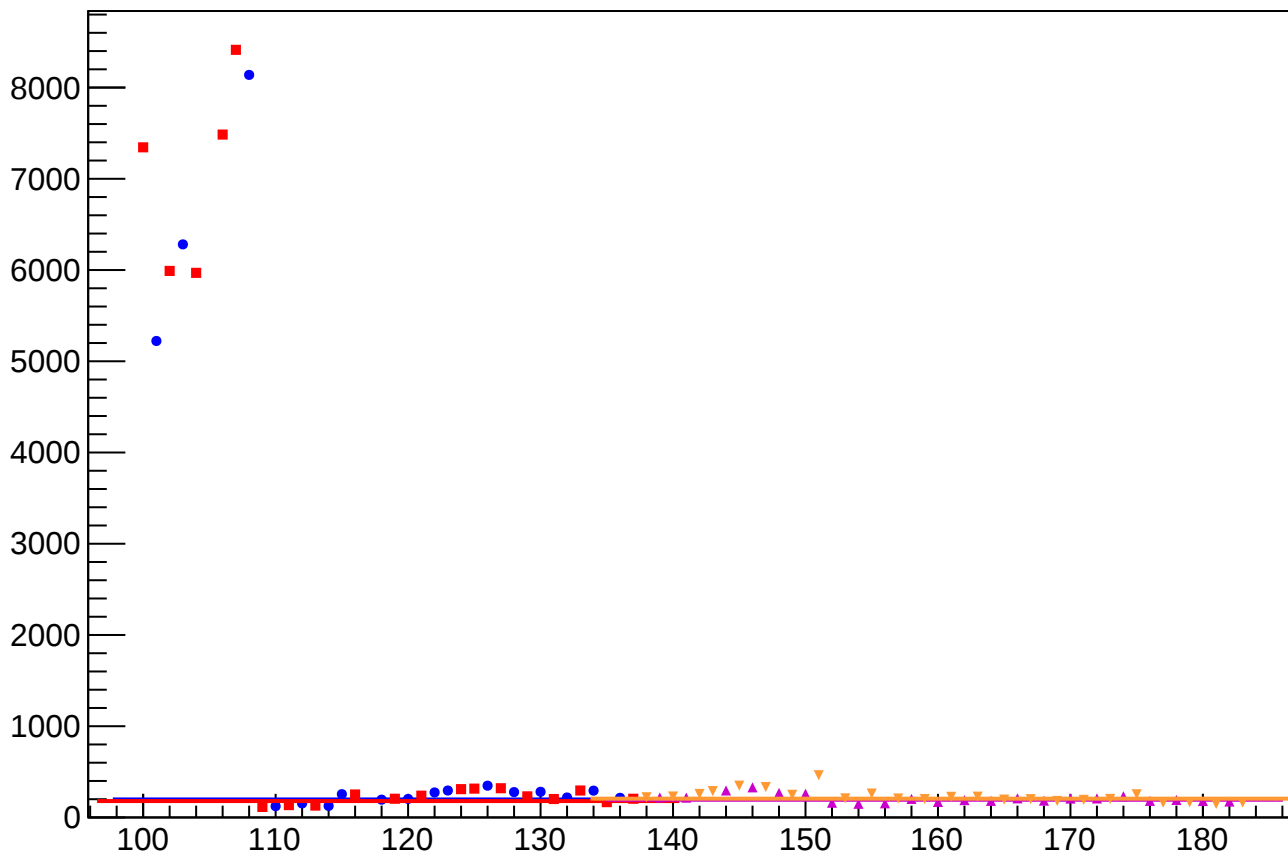
Left In: -30.307 $\pm$ 48.737 χ^2 /NDF: 9.1/21

+ sign -10.366 $\pm$ 43.979 χ^2 /NDF: 22.6/40

All: -21.720 $\pm$ 30.457 χ^2 /NDF: 45.9/81

- sign -32.185 $\pm$ 42.221 χ^2 /NDF: 23.2/40

asym_cav4cQ_rms vs Slug



Right In: 197.308+/-0.064 χ^2/NDF : 3696256.2/16

Left Out: 206.018+/-0.036 χ^2/NDF : 1922117.0/23

Right Out: 179.749+/-0.060 χ^2/NDF : 4315581.1/18

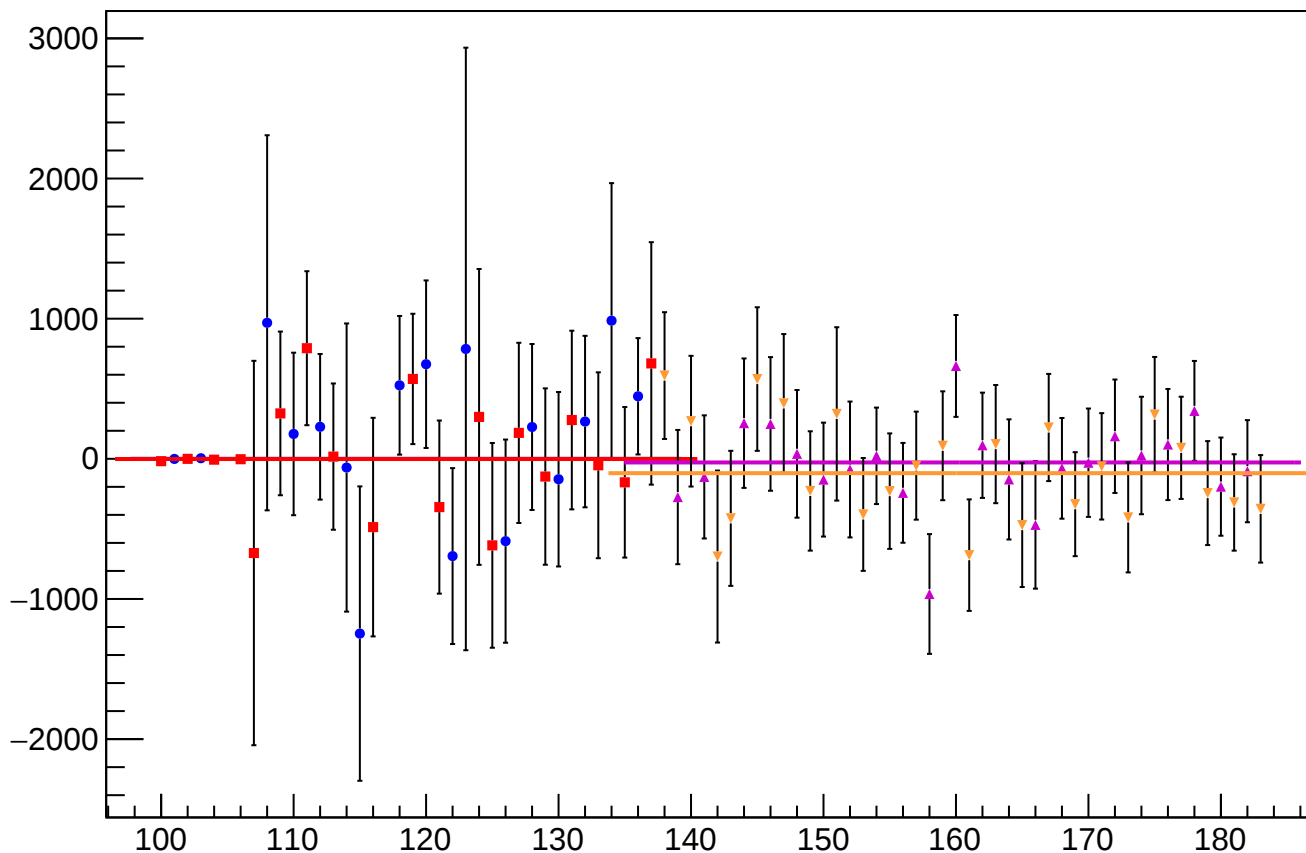
Left In: 194.057+/-0.034 χ^2/NDF : 1156767.3/21

+ sign 203.991+/-0.031 χ^2/NDF : 5632384.7/40

All: 196.964+/-0.022 χ^2/NDF : 11245869.8/83

- sign 190.487+/-0.030 χ^2/NDF : 5515360.0/40

asym_cav4dQ_mean vs Slug



Right In: -0.140 ± 1.737 χ^2/NDF : 10.0/16

Left Out: -102.294 ± 84.986 χ^2/NDF : 15.7/23

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.4/18

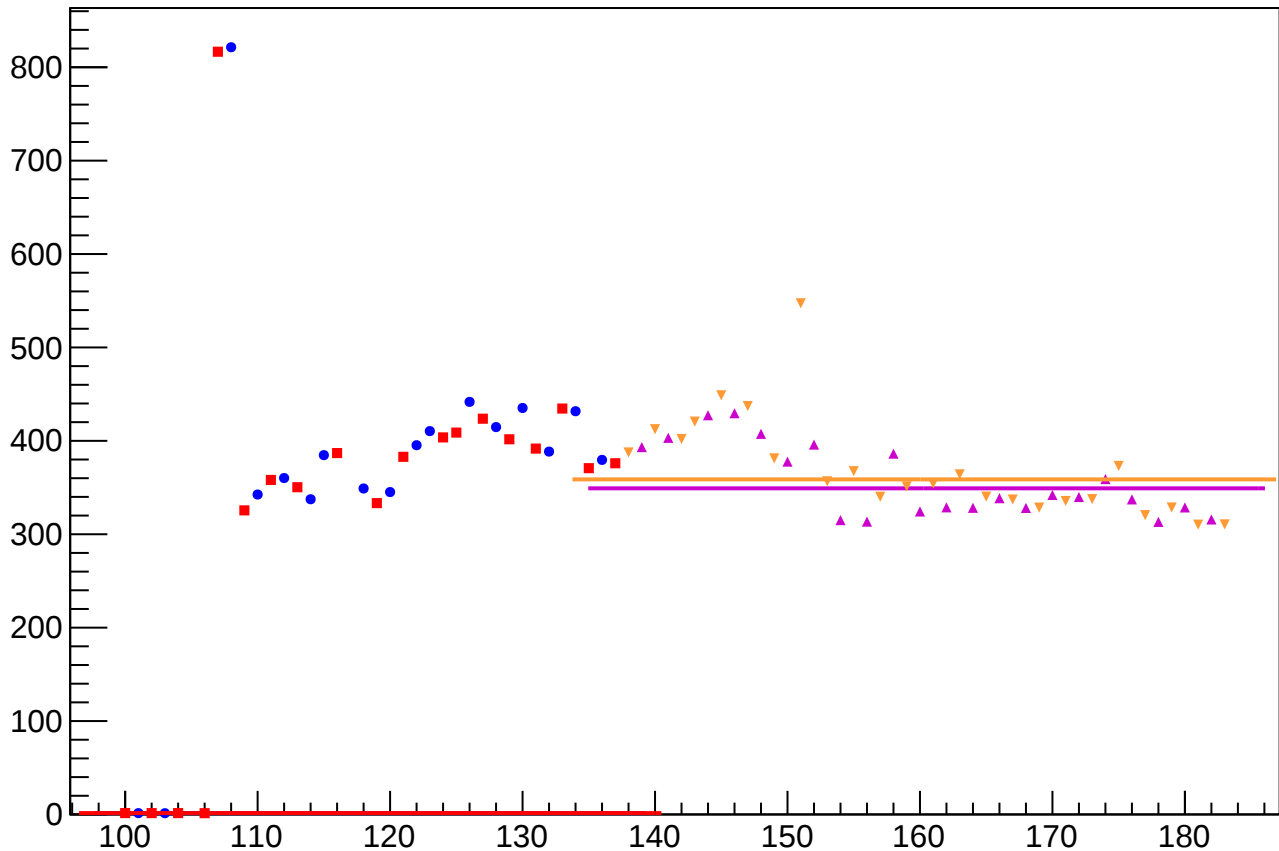
Left In: -25.917 ± 85.549 χ^2/NDF : 12.8/21

+ sign -0.182 ± 1.736 χ^2/NDF : 27.1/40

All: -0.796 ± 1.185 χ^2/NDF : 49.6/81

- sign -1.331 ± 1.622 χ^2/NDF : 22.2/40

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10914608.7/16

Left Out: 358.736+/-0.060 χ^2/NDF : 533310.9/23

Right Out: 1.451+/-0.001 χ^2/NDF : 10838834.3/18

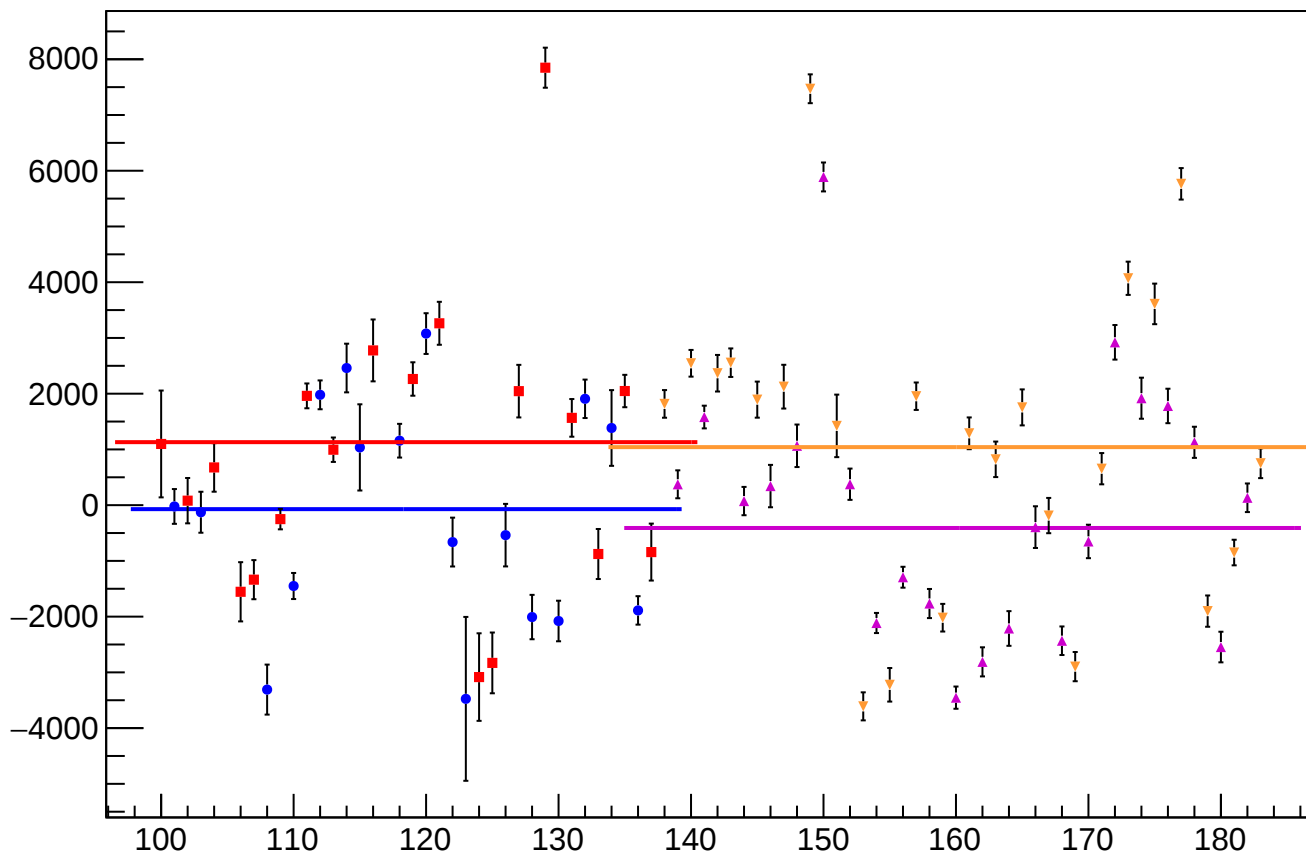
Left In: 349.160+/-0.060 χ^2/NDF : 353928.2/21

+ sign 1.602+/-0.001 χ^2/NDF : 46780856.0/40

All: 1.588+/-0.001 χ^2/NDF : 91001031.7/81

- sign 1.576+/-0.001 χ^2/NDF : 44219940.4/40

asym_bcm0l02_mean vs Slug



Right In: -71.539 ± 87.764 $\chi^2/\text{NDF}: 426.3/16$

Left Out: 1041.219 ± 57.930 $\chi^2/\text{NDF}: 2302.0/23$

Right Out: 1130.395 ± 78.436 $\chi^2/\text{NDF}: 688.9/18$

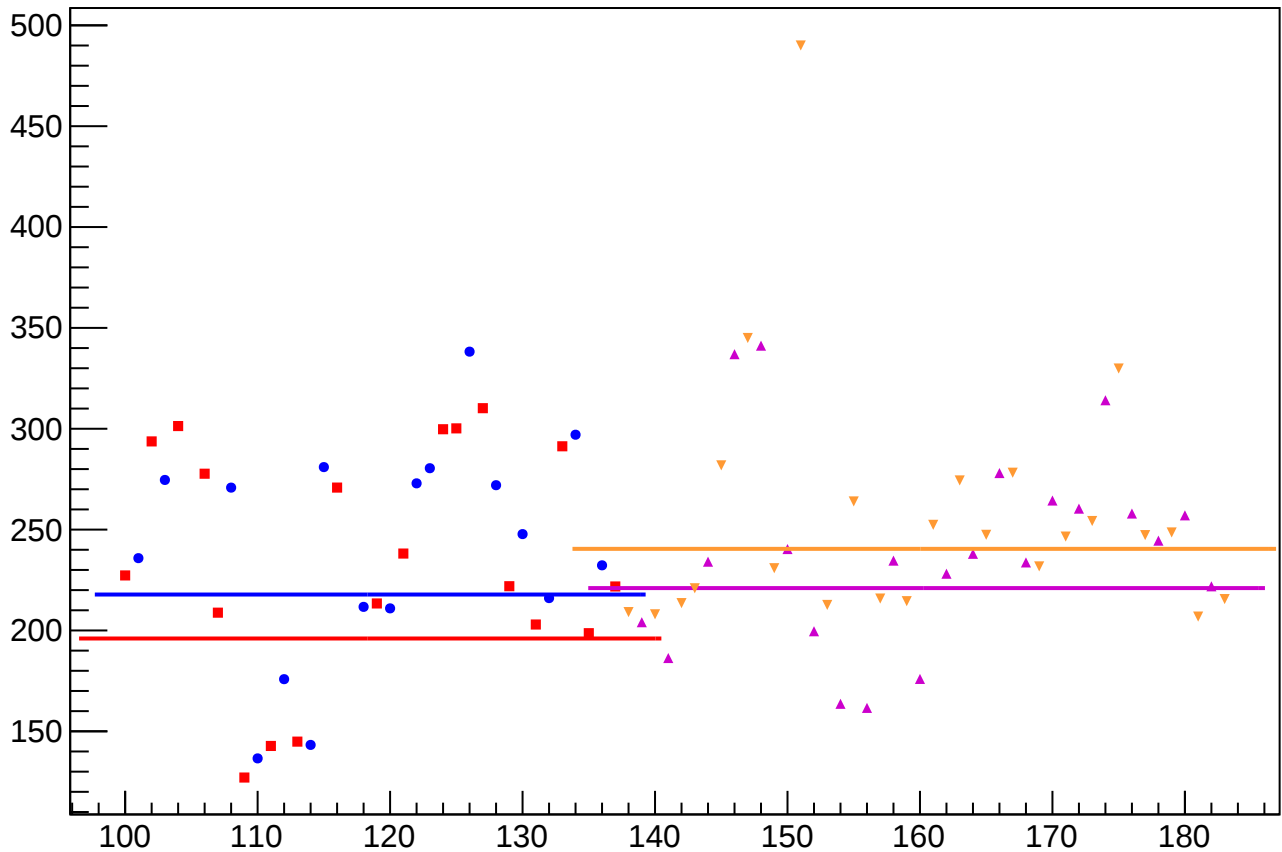
Left In: -409.541 ± 55.580 $\chi^2/\text{NDF}: 1577.9/21$

+ sign 703.530 ± 48.348 $\chi^2/\text{NDF}: 2840.3/40$

All: 385.242 ± 33.076 $\chi^2/\text{NDF}: 5445.1/81$

- sign 105.214 ± 45.349 $\chi^2/\text{NDF}: 2523.4/40$

asym_bcm0l02_rms vs Slug



Right In: 217.814 $\pm$ 0.062 χ^2 /NDF: 661049.8/16

Left Out: 240.456 $\pm$ 0.041 χ^2 /NDF: 992077.8/23

Right Out: 196.014 $\pm$ 0.055 χ^2 /NDF: 1189121.8/18

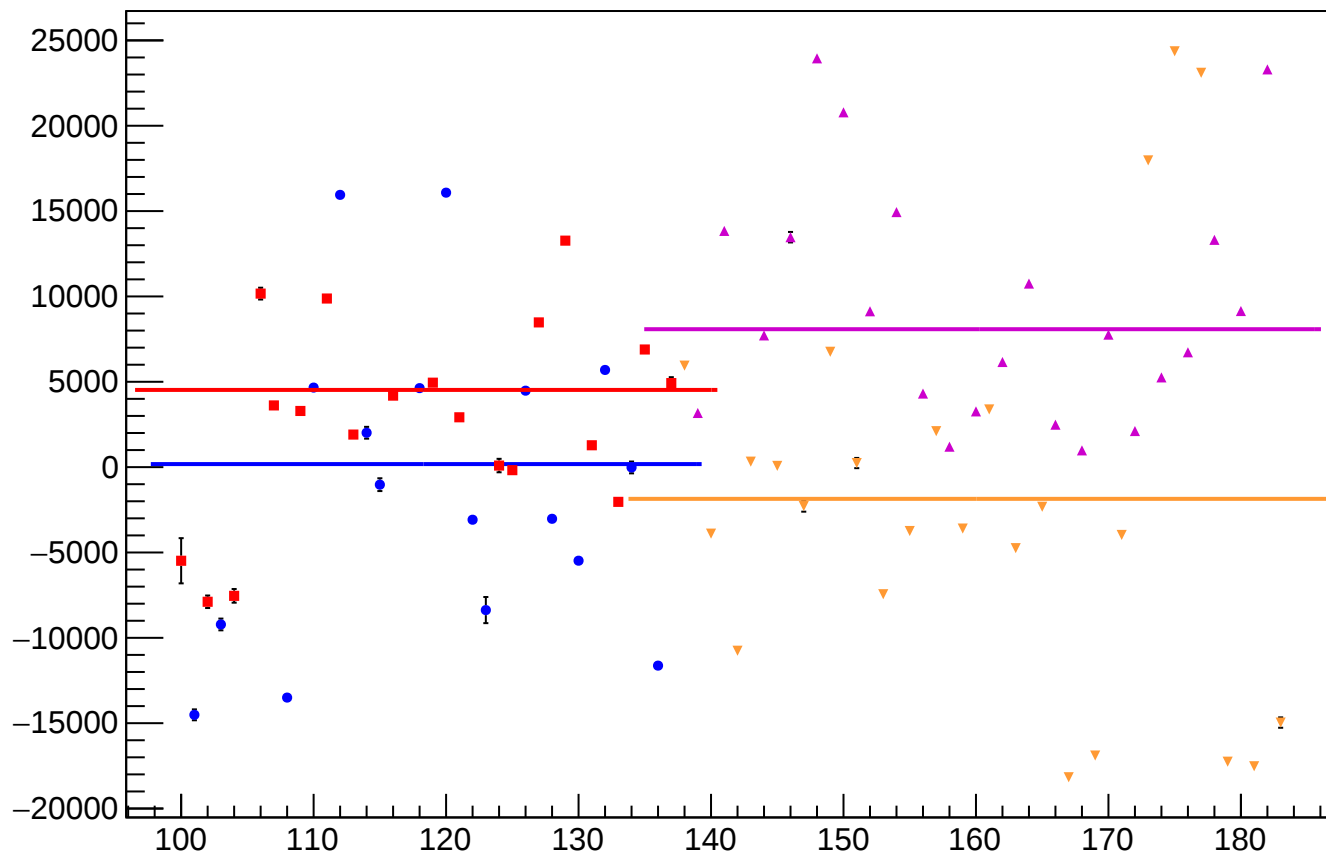
Left In: 221.004 $\pm$ 0.039 χ^2 /NDF: 1327642.3/21

+ sign 233.585 $\pm$ 0.034 χ^2 /NDF: 1745848.9/40

All: 222.448 $\pm$ 0.023 χ^2 /NDF: 4597252.6/81

- sign 212.650 $\pm$ 0.032 χ^2 /NDF: 2651920.1/40

asym_bpm0i02WS_mean vs Slug



Right In: 178.788+/-54.896 χ^2/NDF : 30662.2/16

Left Out: -1857.921+/-42.591 χ^2/NDF : 62482.2/23

Right Out: 4523.222+/-52.440 χ^2/NDF : 7474.2/18

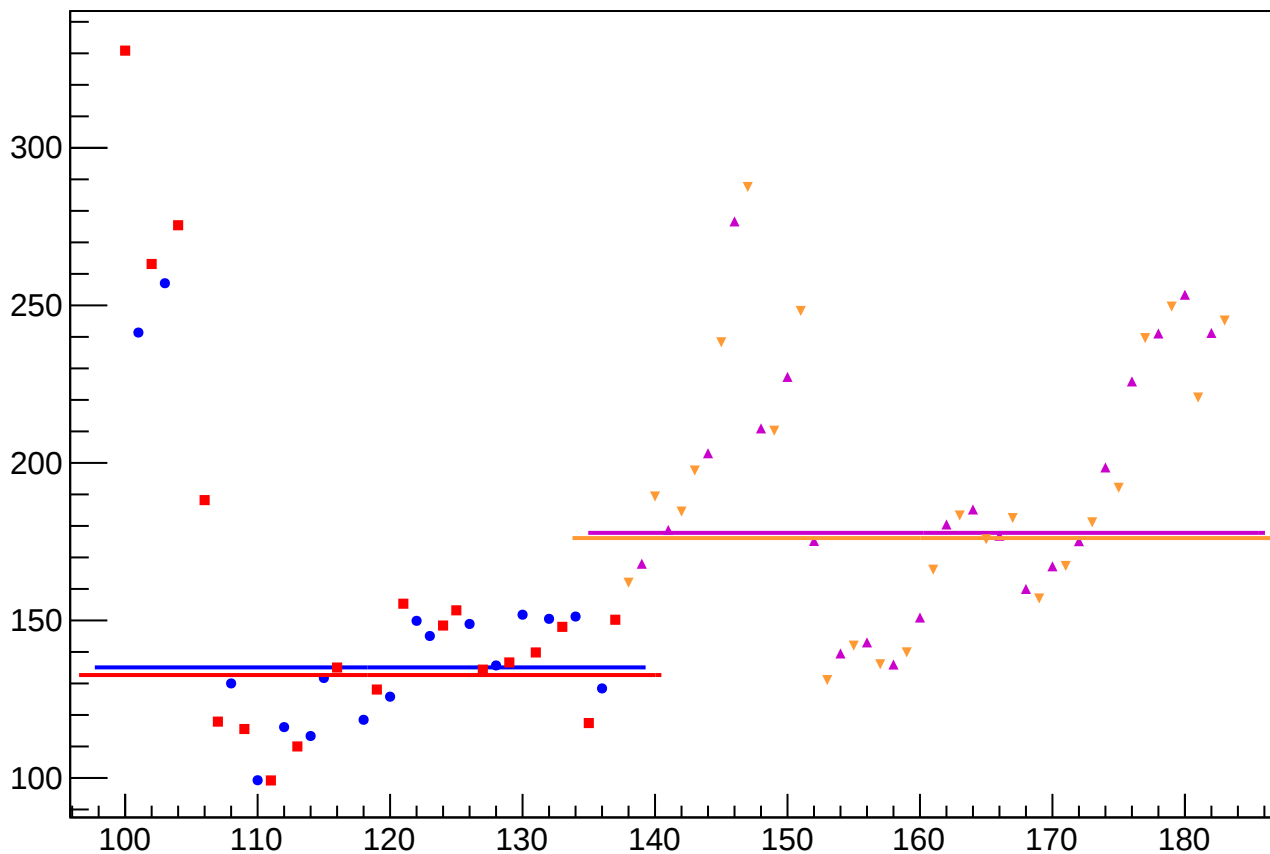
Left In: 8080.764+/-44.505 χ^2/NDF : 20820.0/21

+ sign -1092.624+/-33.651 χ^2/NDF : 94003.6/40

All: 2717.346+/-23.893 χ^2/NDF : 150826.2/81

- sign 6591.249+/-33.932 χ^2/NDF : 30969.6/40

asym_bpm0i02WS_rms vs Slug



Right In: 135.099+/-0.039 χ^2/NDF : 657657.4/16

Left Out: 176.144+/-0.030 χ^2/NDF : 1515739.9/23

Right Out: 132.672+/-0.037 χ^2/NDF : 828363.1/18

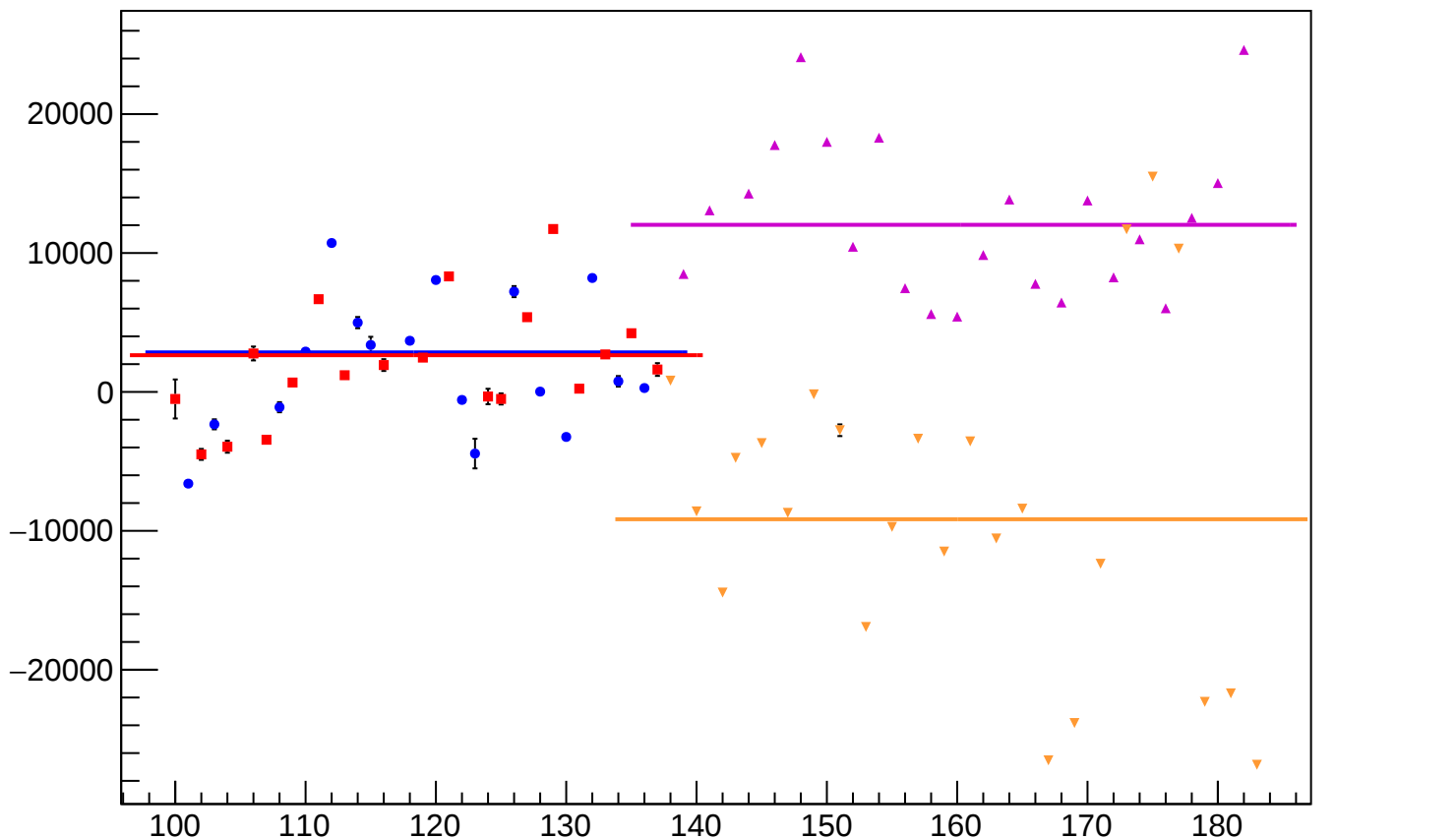
Left In: 177.798+/-0.031 χ^2/NDF : 1251799.6/21

+ sign 160.721+/-0.024 χ^2/NDF : 2871369.2/40

All: 159.820+/-0.017 χ^2/NDF : 5815344.5/81

- sign 158.904+/-0.024 χ^2/NDF : 2941082.9/40

asym_bpm0i02aWS_mean vs Slug



Right In: 2846.117+/-70.894 χ^2/NDF : 4160.1/16

Left Out: -9165.381+/-45.878 χ^2/NDF : 59866.5/23

Right Out: 2643.505+/-65.711 χ^2/NDF : 3177.7/18

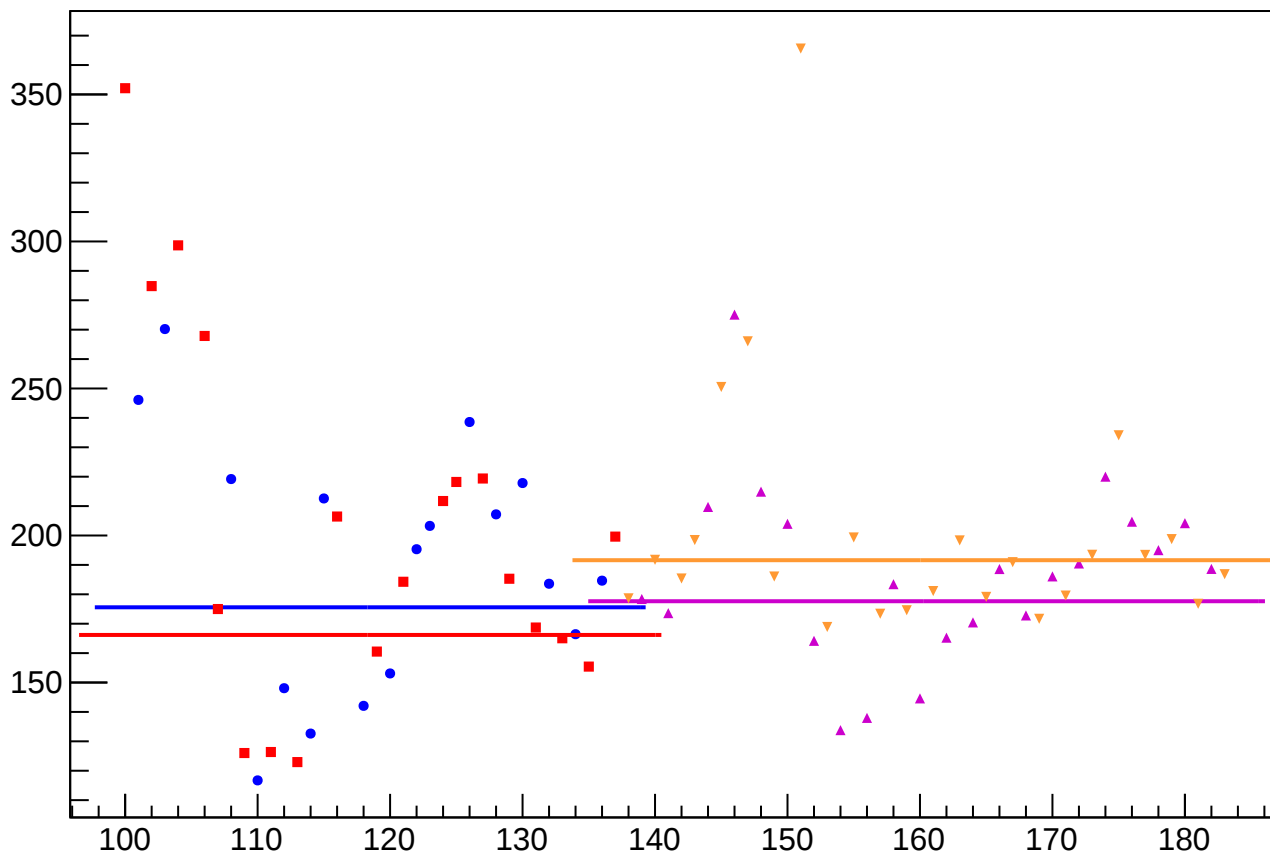
Left In: 12029.339+/-44.277 χ^2/NDF : 15072.4/21

+ sign -5619.915+/-38.517 χ^2/NDF : 84259.4/40

All: 2090.731+/-26.577 χ^2/NDF : 193039.9/8

- sign 9098.545+/-36.719 χ^2/NDF : 32281.3/40

asym_bpm0i02aWS_rms vs Slug



Right In: 175.582 $\pm$ 0.050 χ^2 /NDF: 687852.4/16

Left Out: 191.600 $\pm$ 0.032 χ^2 /NDF: 726699.4/23

Right Out: 166.180 $\pm$ 0.046 χ^2 /NDF: 925559.0/18

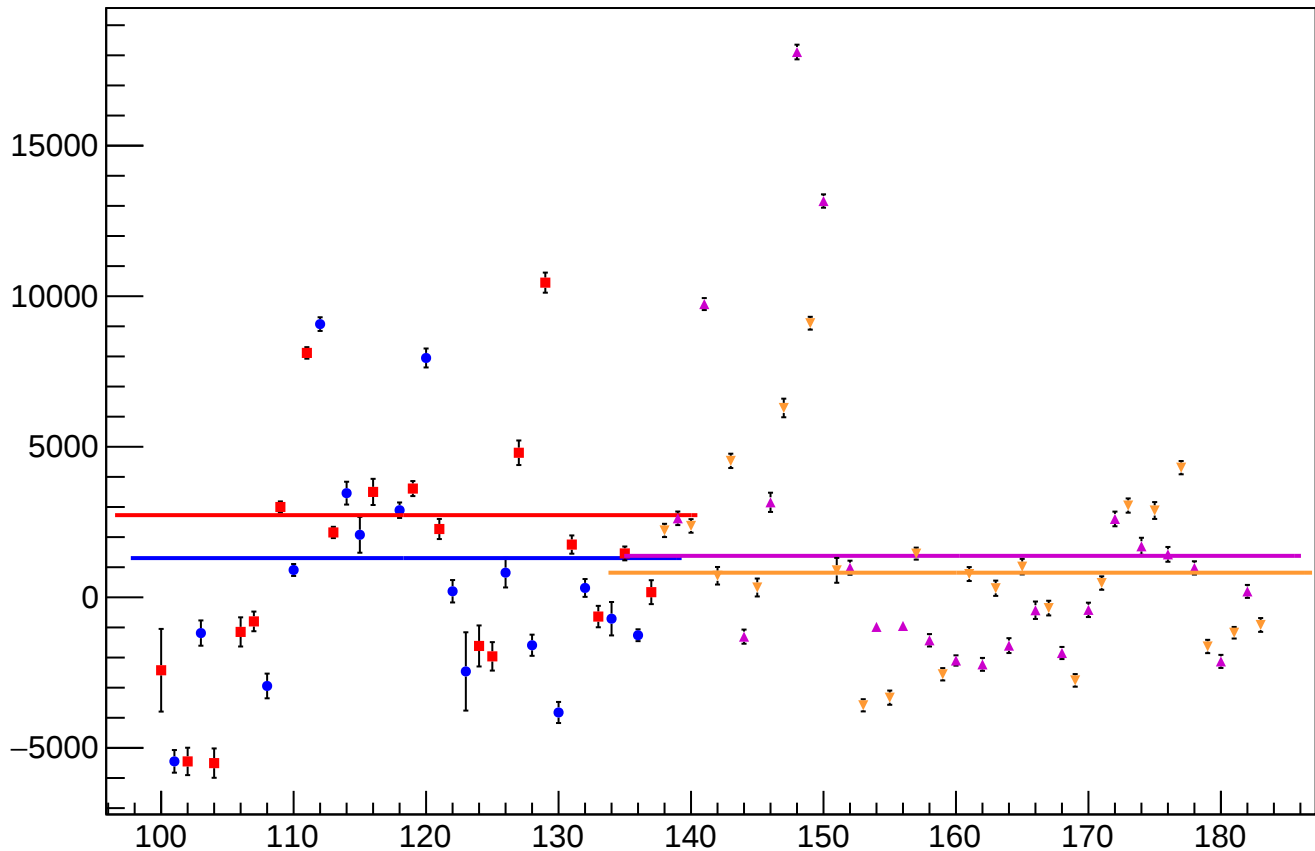
Left In: 177.645 $\pm$ 0.031 χ^2 /NDF: 860379.4/21

+ sign 186.872 $\pm$ 0.027 χ^2 /NDF: 1486515.7/40

All: 180.163 $\pm$ 0.019 χ^2 /NDF: 3430161.3/81

- sign 174.065 $\pm$ 0.026 χ^2 /NDF: 1827812.2/40

asym_bpm0i05WS_mean vs Slug



Right In: 1302.950 ± 77.323 $\chi^2/\text{NDF}: 2649.9/16$

Left Out: 818.404 ± 47.853 $\chi^2/\text{NDF}: 4221.6/23$

Right Out: 2729.355 ± 70.012 $\chi^2/\text{NDF}: 2497.2/18$

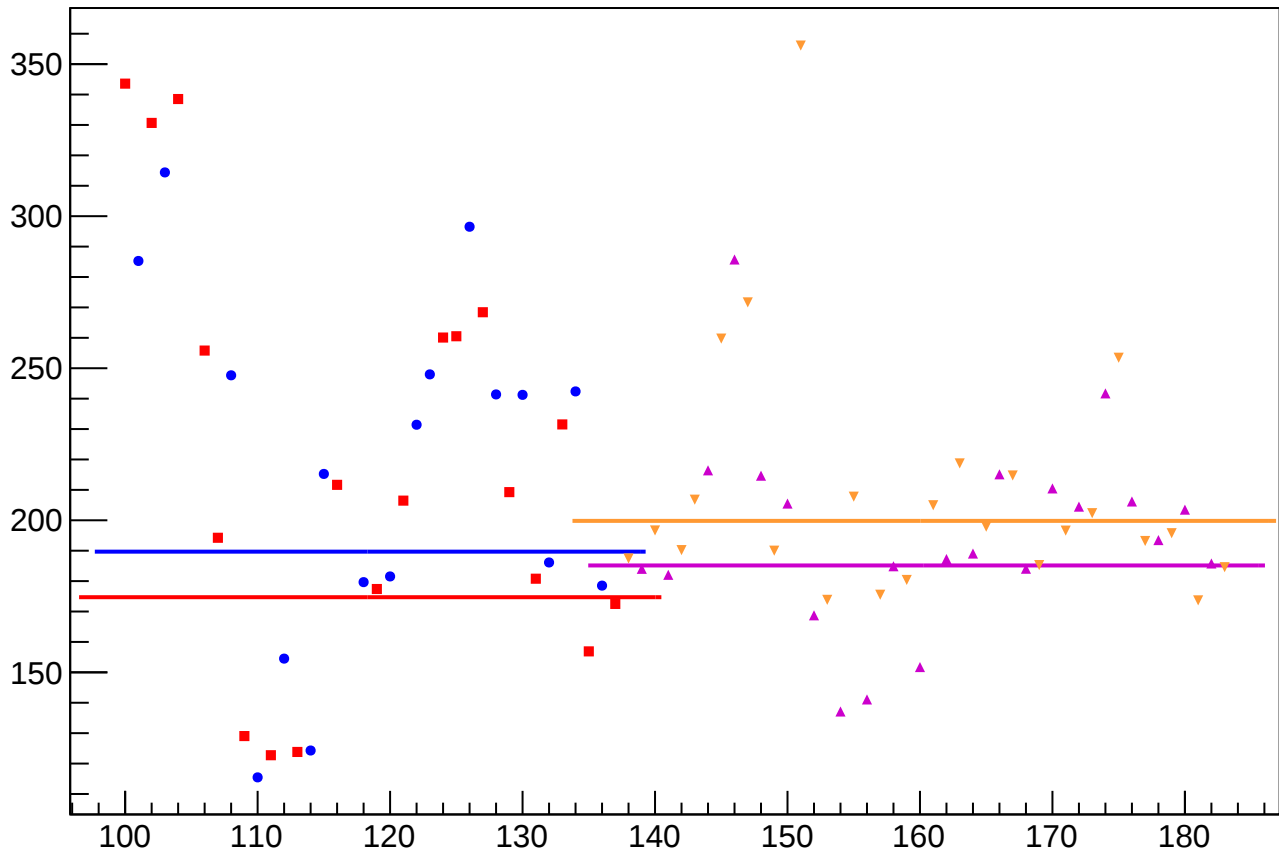
Left In: 1377.862 ± 46.195 $\chi^2/\text{NDF}: 11626.7/21$

+ sign 952.591 ± 40.691 $\chi^2/\text{NDF}: 6899.9/40$

All: 1392.650 ± 27.988 $\chi^2/\text{NDF}: 21505.3/81$

- sign 1787.784 ± 38.558 $\chi^2/\text{NDF}: 14383.5/40$

asym_bpm0i05WS_rms vs Slug



Right In: 189.687 $\pm$ 0.055 χ^2 /NDF: 977199.2/16

Left Out: 199.807 $\pm$ 0.034 χ^2 /NDF: 725759.8/23

Right Out: 174.707 $\pm$ 0.050 χ^2 /NDF: 1291115.5/18

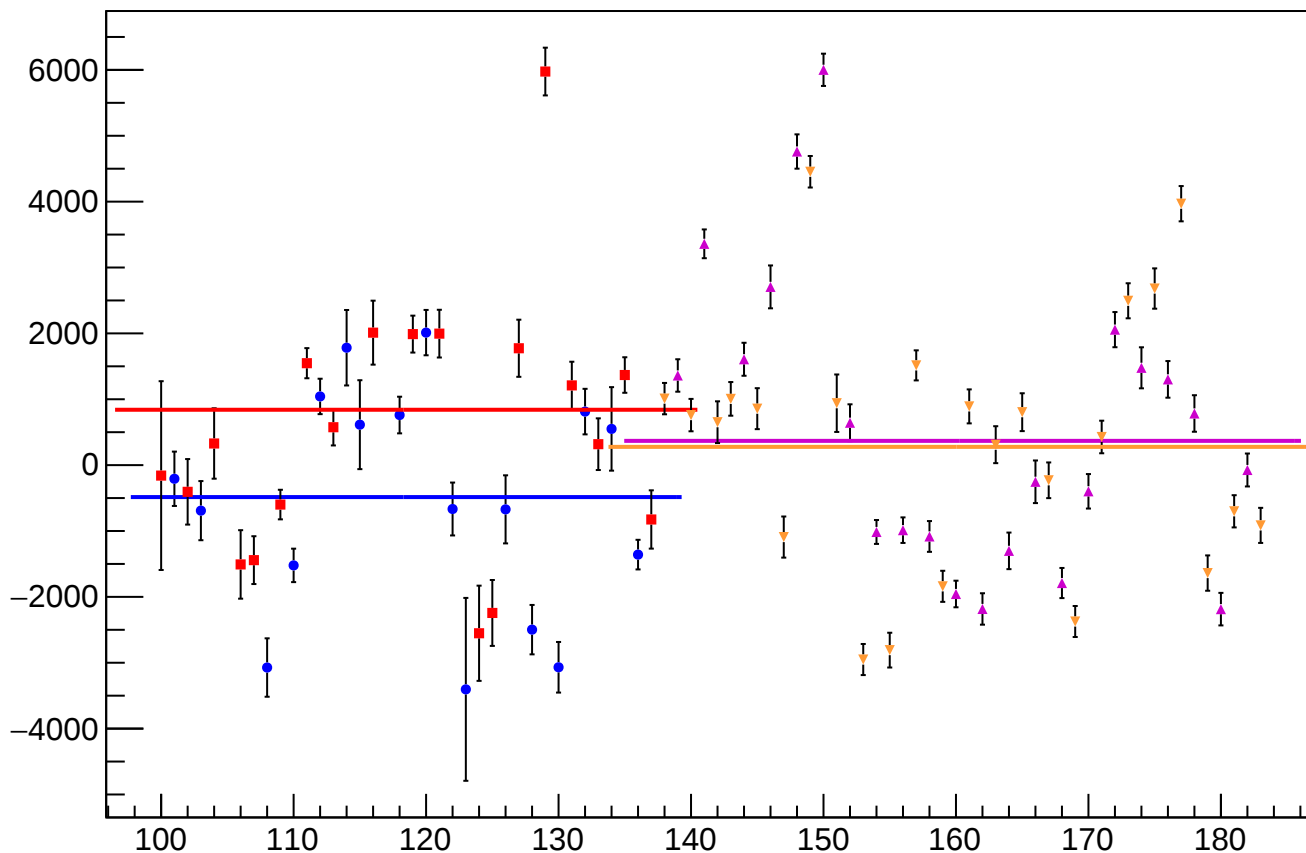
Left In: 185.148 $\pm$ 0.033 χ^2 /NDF: 882723.8/21

+ sign 197.005 $\pm$ 0.029 χ^2 /NDF: 1727731.6/40

All: 189.089 $\pm$ 0.020 χ^2 /NDF: 4076209.4/81

- sign 181.981 $\pm$ 0.027 χ^2 /NDF: 2204830.5/40

asym_bpm0i07WS_mean vs Slug



Right In: -485.036 ± 88.788 χ^2/NDF : 285.3/16

Left Out: 277.185 ± 53.942 χ^2/NDF : 1334.4/23

Right Out: 840.594 ± 82.233 χ^2/NDF : 438.2/18

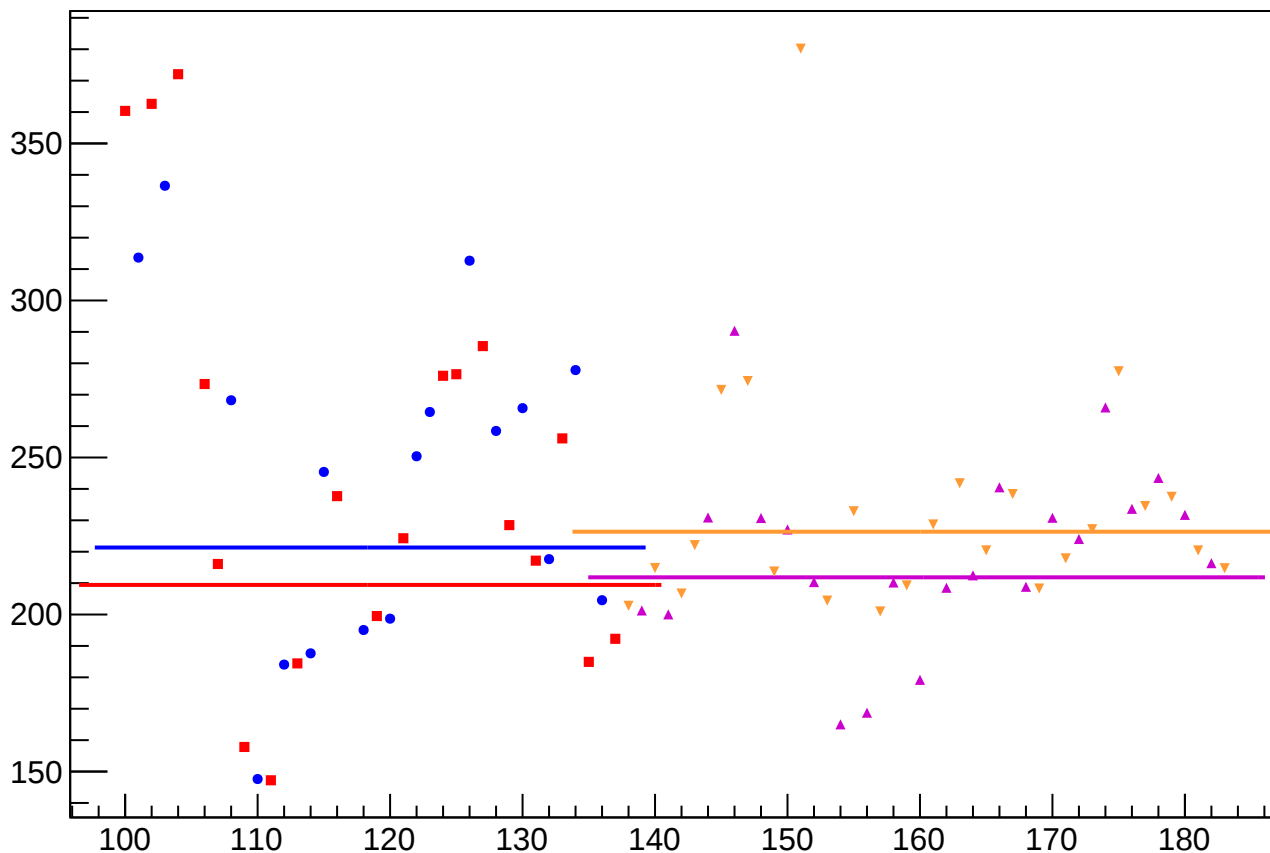
Left In: 368.397 ± 52.462 χ^2/NDF : 1800.3/21

+ sign 71.695 ± 46.101 χ^2/NDF : 1673.5/40

All: 297.324 ± 31.916 χ^2/NDF : 3981.5/81

- sign 504.990 ± 44.228 χ^2/NDF : 2261.9/40

asym_bpm0i07WS_rms vs Slug



Right In: 221.339 $\pm$ 0.063 χ^2 /NDF: 645507.4/16

Left Out: 226.374 $\pm$ 0.038 χ^2 /NDF: 520910.5/23

Right Out: 209.428 $\pm$ 0.058 χ^2 /NDF: 879292.0/18

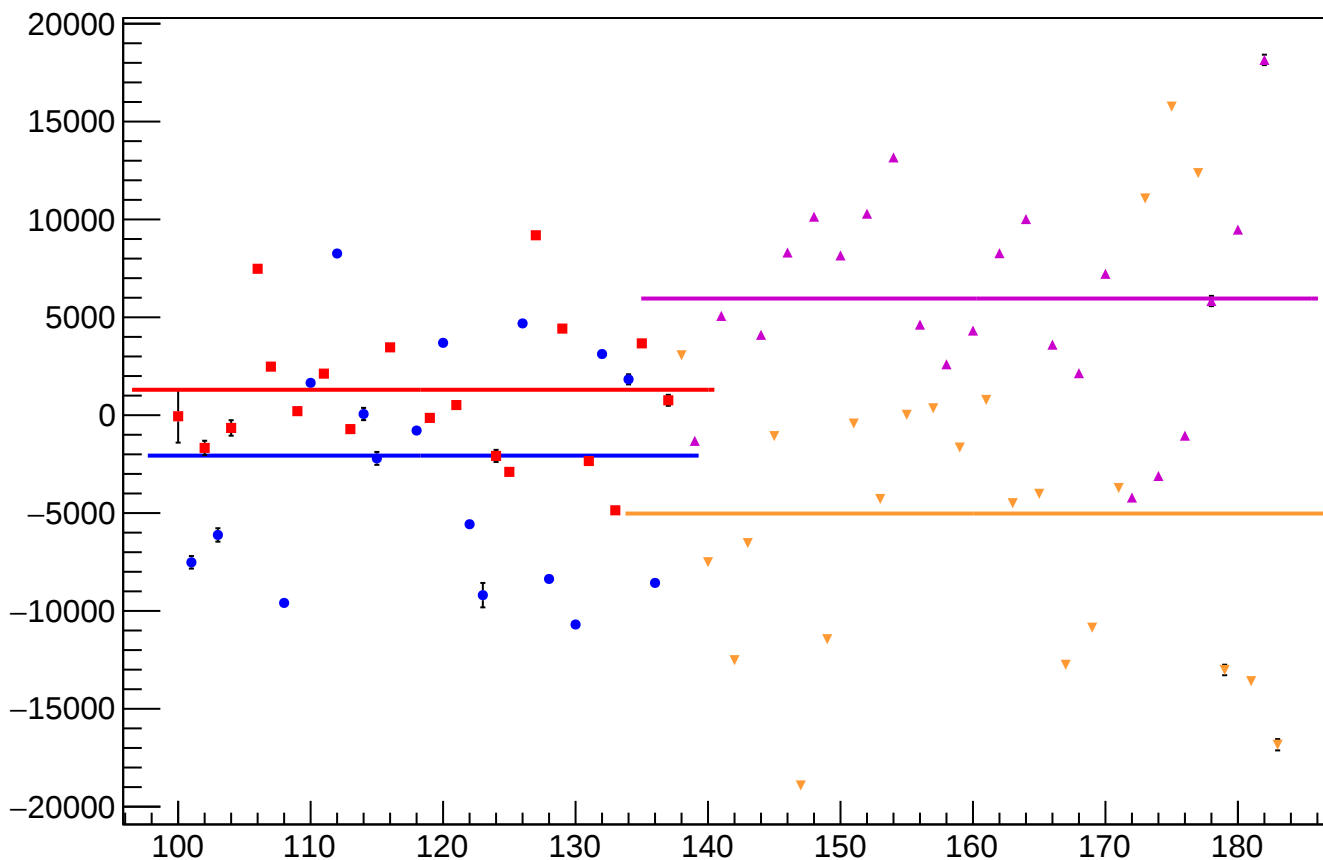
Left In: 211.849 $\pm$ 0.037 χ^2 /NDF: 583668.2/21

+ sign 225.017 $\pm$ 0.033 χ^2 /NDF: 1171115.7/40

All: 217.795 $\pm$ 0.023 χ^2 /NDF: 2729547.2/81

- sign 211.149 $\pm$ 0.031 χ^2 /NDF: 1464192.8/40

asym_bpm1i02WS_mean vs Slug



Right In: -2065.524 ± 47.407 χ^2/NDF : 16535.7/16

Left Out: -5024.345 ± 33.793 χ^2/NDF : 53563.3/23

Right Out: 1298.632 ± 44.980 χ^2/NDF : 5909.5/18

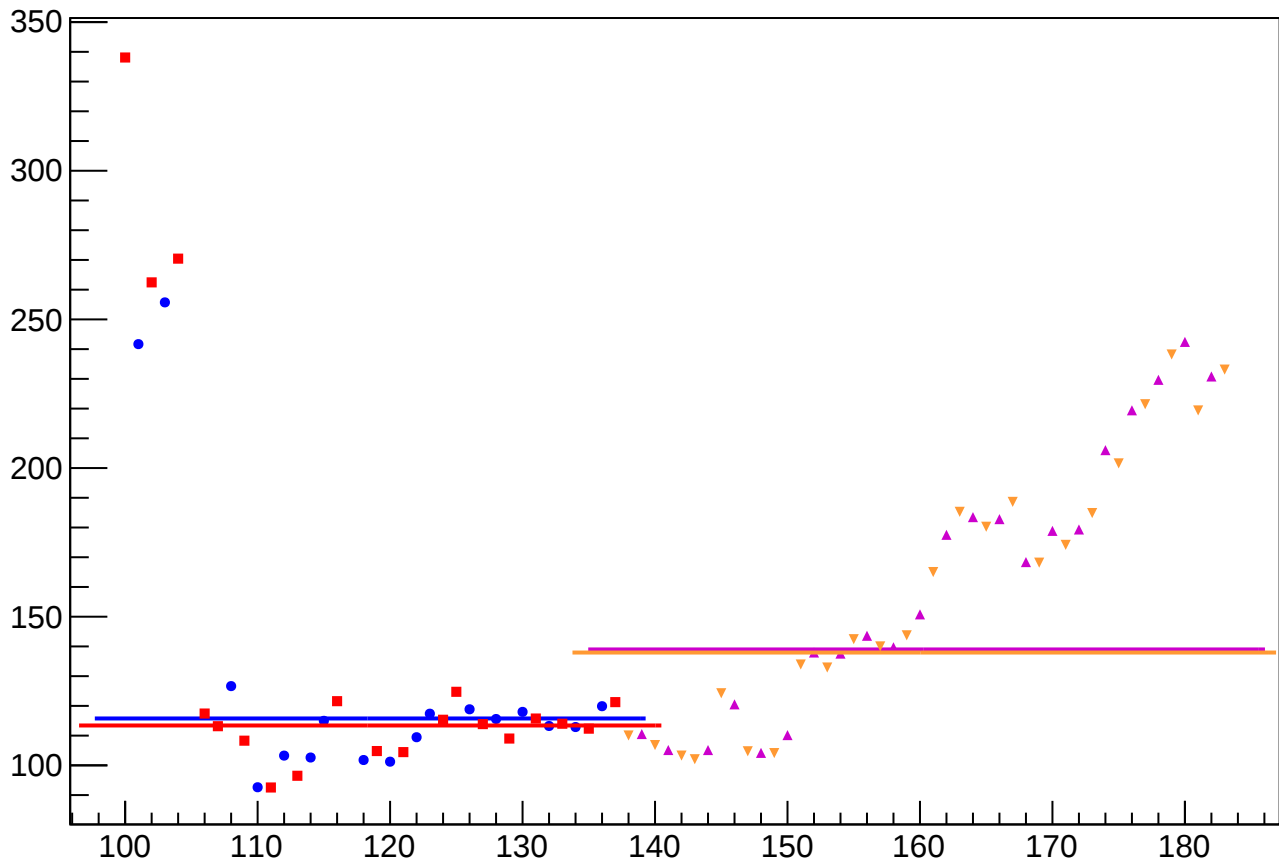
Left In: 5959.069 ± 35.108 χ^2/NDF : 16427.9/21

+ sign -4027.439 ± 27.517 χ^2/NDF : 72681.9/40

All: 60.108 ± 19.513 χ^2/NDF : 146075.1/81

- sign 4194.756 ± 27.676 χ^2/NDF : 29008.5/40

asym_bpm1i02WS_rms vs Slug



Right In: 115.768 $\pm$ 0.034 χ^2 /NDF: 743657.8/16

Left Out: 137.946 $\pm$ 0.024 χ^2 /NDF: 2470269.8/23

Right Out: 113.410 $\pm$ 0.032 χ^2 /NDF: 795303.3/18

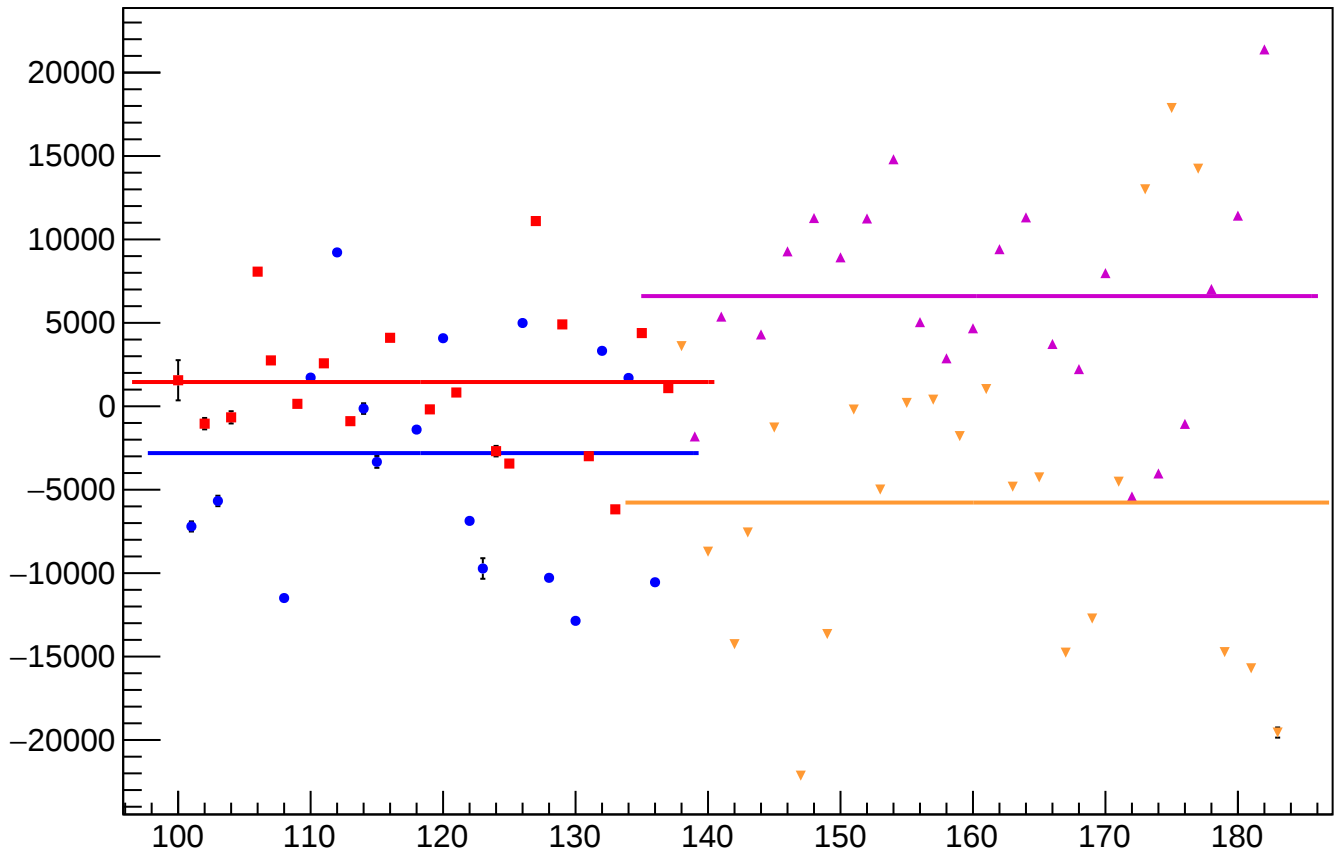
Left In: 138.984 $\pm$ 0.025 χ^2 /NDF: 2321806.0/21

+ sign 130.474 $\pm$ 0.019 χ^2 /NDF: 3504177.9/40

All: 129.891 $\pm$ 0.014 χ^2 /NDF: 7024841.8/81

- sign 129.302 $\pm$ 0.020 χ^2 /NDF: 3518861.9/40

asym_bpm2i01WS_mean vs Slug



Right In: -2805.410 ± 48.358 $\chi^2/\text{NDF}: 21259.6/16$

Left Out: -5769.405 ± 35.975 $\chi^2/\text{NDF}: 62397.5/23$

Right Out: 1454.376 ± 46.372 $\chi^2/\text{NDF}: 8020.2/18$

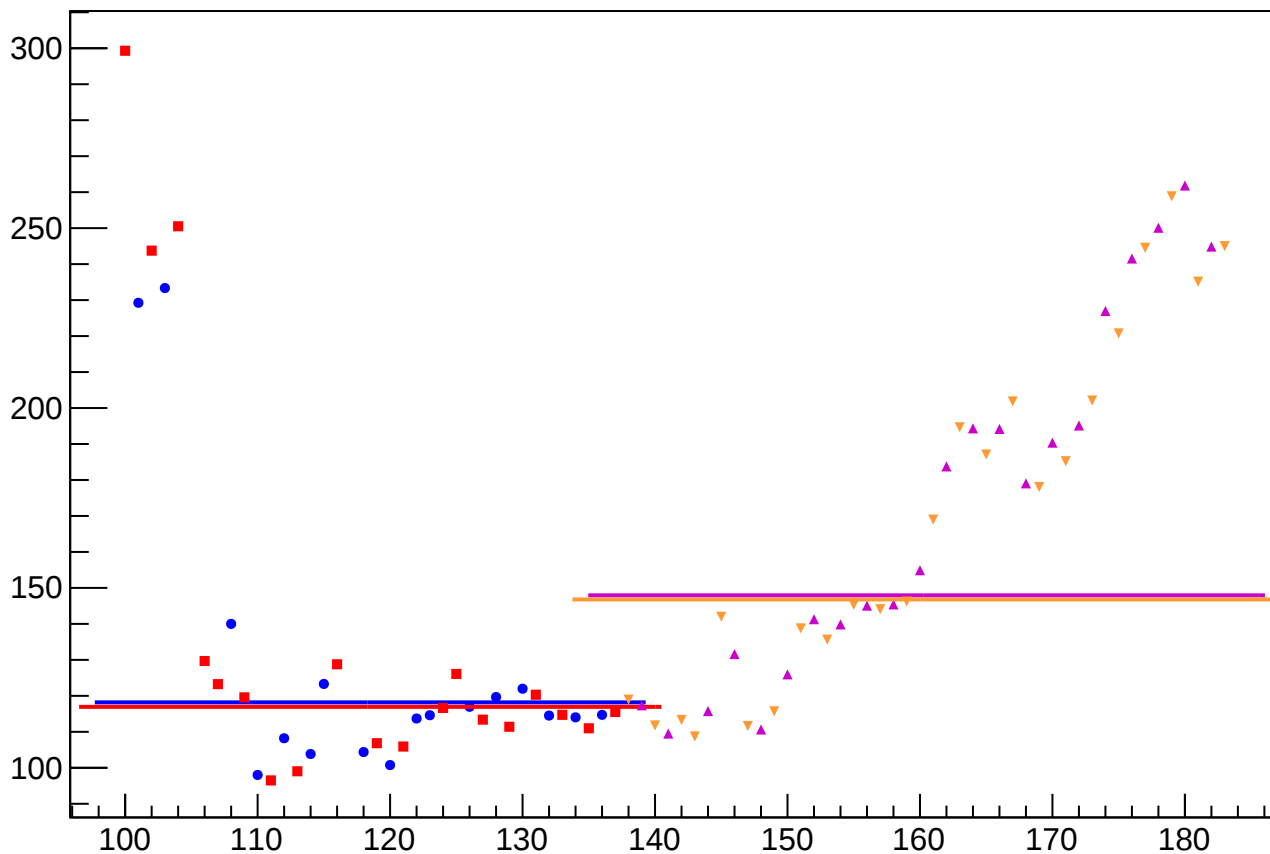
Left In: 6604.689 ± 37.393 $\chi^2/\text{NDF}: 19459.1/21$

+ sign -4713.462 ± 28.864 $\chi^2/\text{NDF}: 86075.5/40$

All: -108.267 ± 20.496 $\chi^2/\text{NDF}: 172375.2/81$

- sign 4575.335 ± 29.108 $\chi^2/\text{NDF}: 34954.2/40$

asym_bpm2i01WS_rms vs Slug



Right In: 118.187 $\pm$ 0.034 χ^2 /NDF: 636345.5/16

Left Out: 146.796 $\pm$ 0.025 χ^2 /NDF: 2431932.6/23

Right Out: 116.944 $\pm$ 0.033 χ^2 /NDF: 689368.0/18

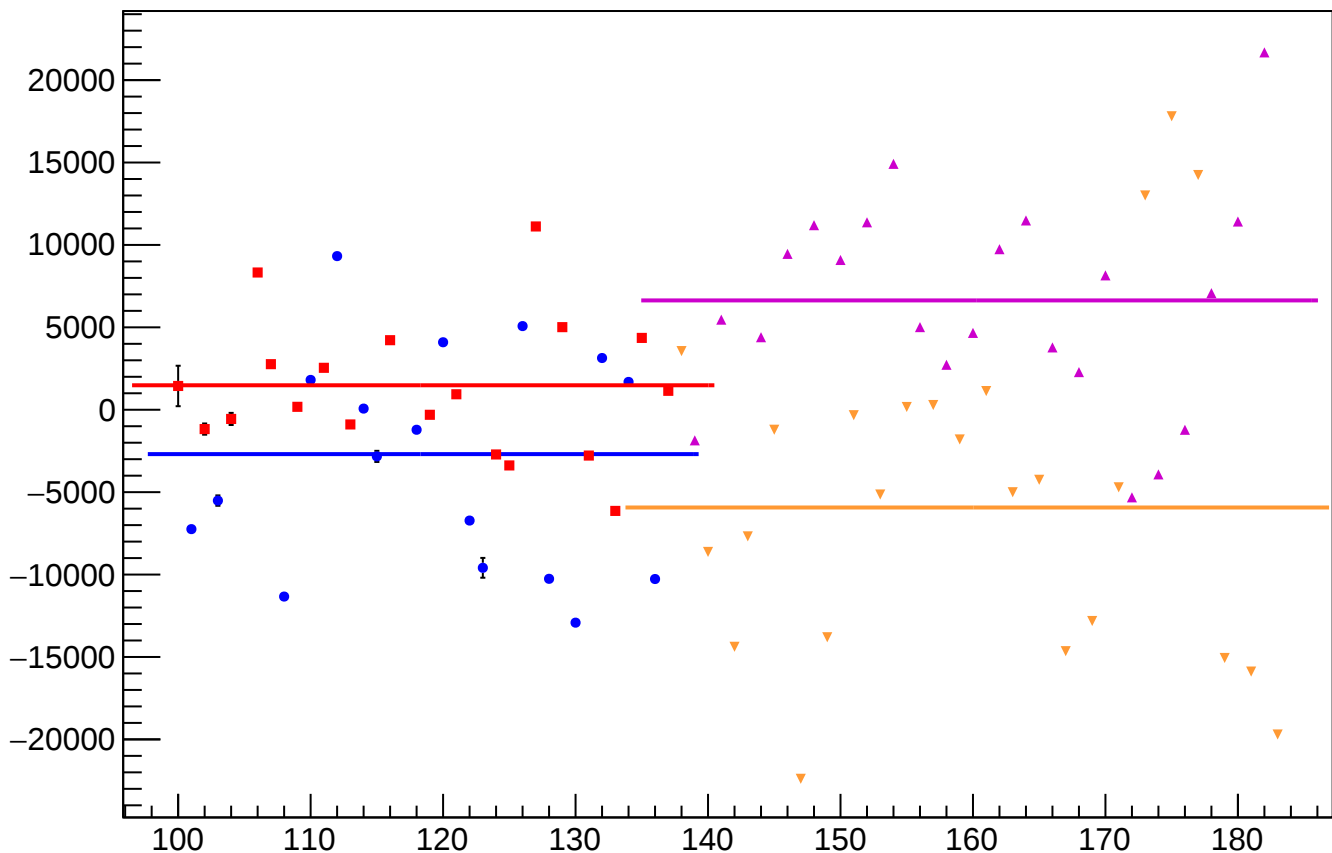
Left In: 147.937 $\pm$ 0.026 χ^2 /NDF: 2302355.1/21

+ sign 136.604 $\pm$ 0.020 χ^2 /NDF: 3518885.0/40

All: 136.168 $\pm$ 0.014 χ^2 /NDF: 7052926.4/81

- sign 135.725 $\pm$ 0.021 χ^2 /NDF: 3533122.1/40

asym_bpm2i02WS_mean vs Slug



Right In: -2691.569 ± 46.420 $\chi^2/\text{NDF}: 22847.7/16$

Left Out: -5930.409 ± 35.170 $\chi^2/\text{NDF}: 66821.7/23$

Right Out: 1484.889 ± 44.421 $\chi^2/\text{NDF}: 8724.0/18$

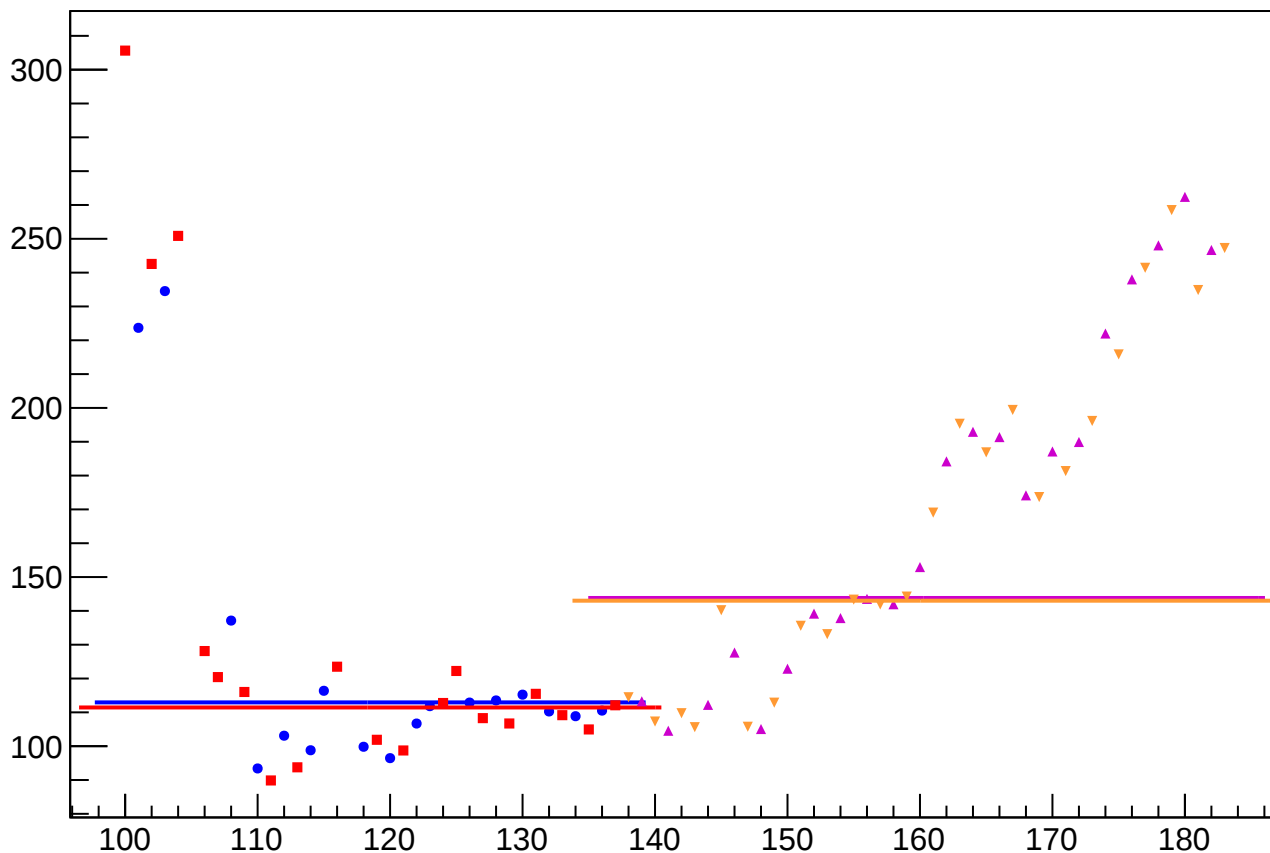
Left In: 6633.687 ± 36.487 $\chi^2/\text{NDF}: 20614.2/21$

+ sign -4749.243 ± 28.032 $\chi^2/\text{NDF}: 92762.2/40$

All: -121.841 ± 19.879 $\chi^2/\text{NDF}: 184937.6/81$

- sign 4559.349 ± 28.195 $\chi^2/\text{NDF}: 37360.6/40$

asym_bpm2i02WS_rms vs Slug



Right In: 112.944 $\pm$ 0.033 χ^2 /NDF: 680438.6/16

Left Out: 143.012 $\pm$ 0.025 χ^2 /NDF: 2617059.2/23

Right Out: 111.444 $\pm$ 0.031 χ^2 /NDF: 764132.1/18

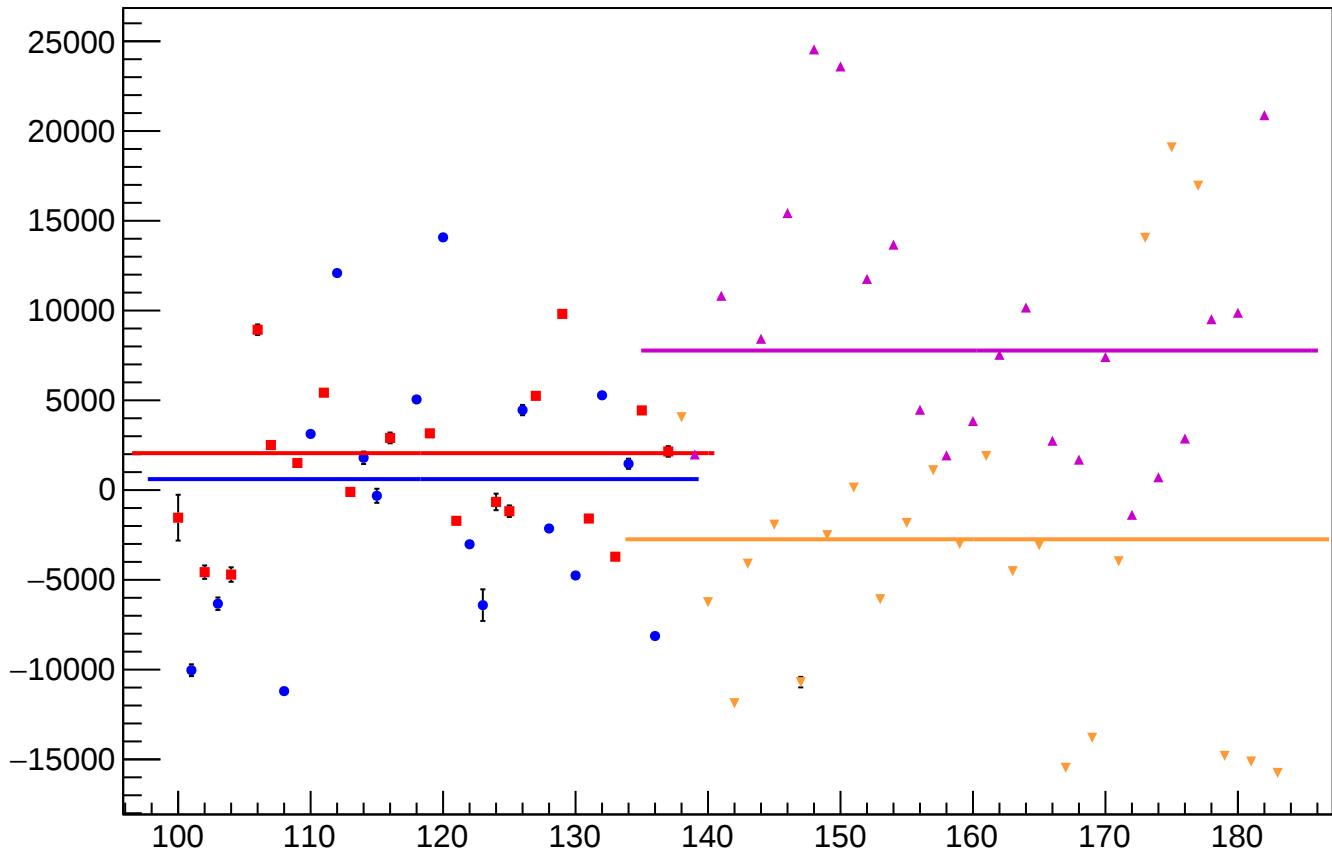
Left In: 143.813 $\pm$ 0.026 χ^2 /NDF: 2486740.1/21

+ sign 132.046 $\pm$ 0.020 χ^2 /NDF: 3830622.3/40

All: 131.413 $\pm$ 0.014 χ^2 /NDF: 7717660.8/81

- sign 130.772 $\pm$ 0.020 χ^2 /NDF: 3884983.5/40

asym_bpm0i01WS_mean vs Slug



Right In: 610.939 ± 56.154 $\chi^2/\text{NDF}: 18248.2/16$

Left Out: -2741.878 ± 39.640 $\chi^2/\text{NDF}: 45093.7/23$

Right Out: 2057.548 ± 53.904 $\chi^2/\text{NDF}: 4649.5/18$

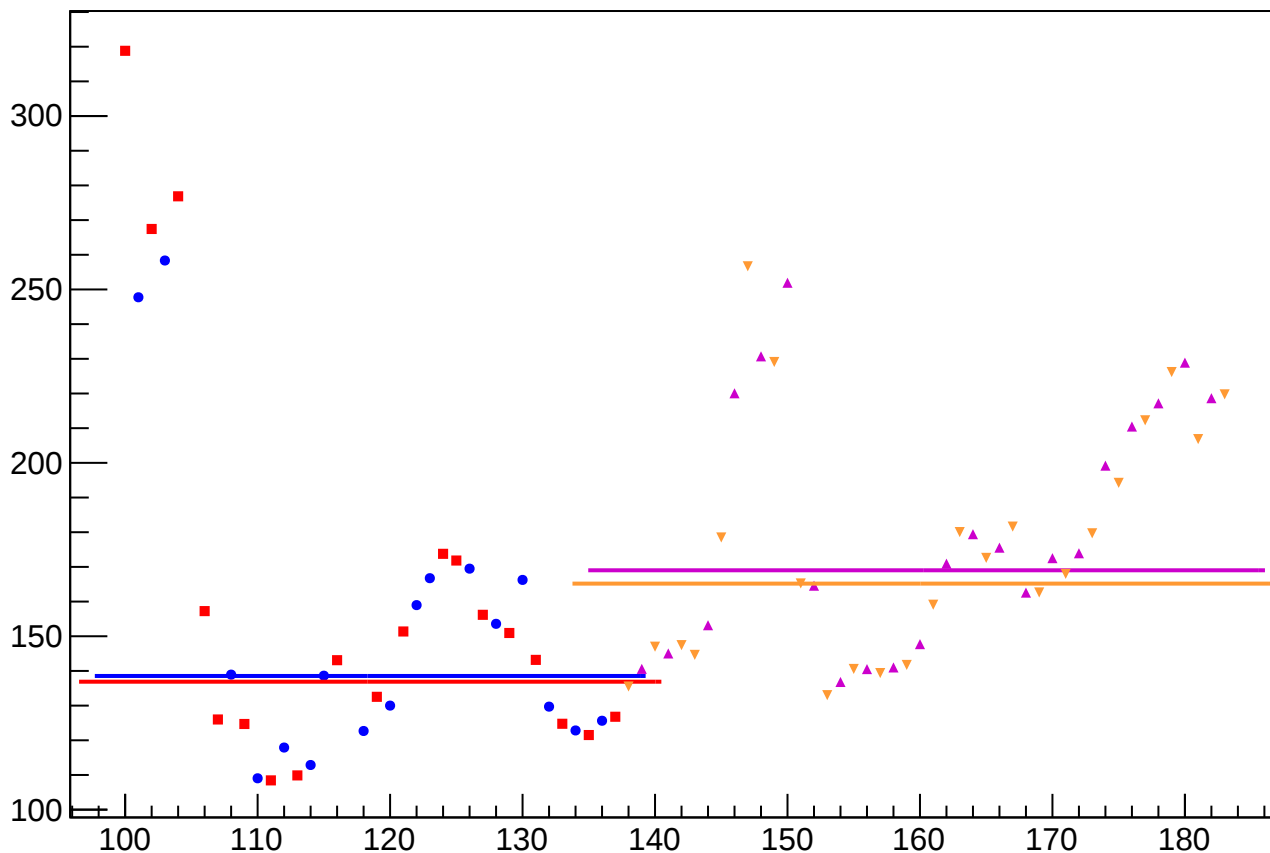
Left In: 7772.831 ± 41.934 $\chi^2/\text{NDF}: 22129.2/21$

+ sign -1626.789 ± 32.384 $\chi^2/\text{NDF}: 65721.3/40$

All: 1916.637 ± 23.147 $\chi^2/\text{NDF}: 123982.5/83$

- sign 5618.064 ± 33.098 $\chi^2/\text{NDF}: 33782.1/40$

asym_bpm0i01WS_rms vs Slug



Right In: 138.549 $\pm$ 0.040 χ^2 /NDF: 667663.4/16

Left Out: 165.178 $\pm$ 0.028 χ^2 /NDF:1114024.1/23

Right Out: 136.895 $\pm$ 0.038 χ^2 /NDF: 751443.4/18

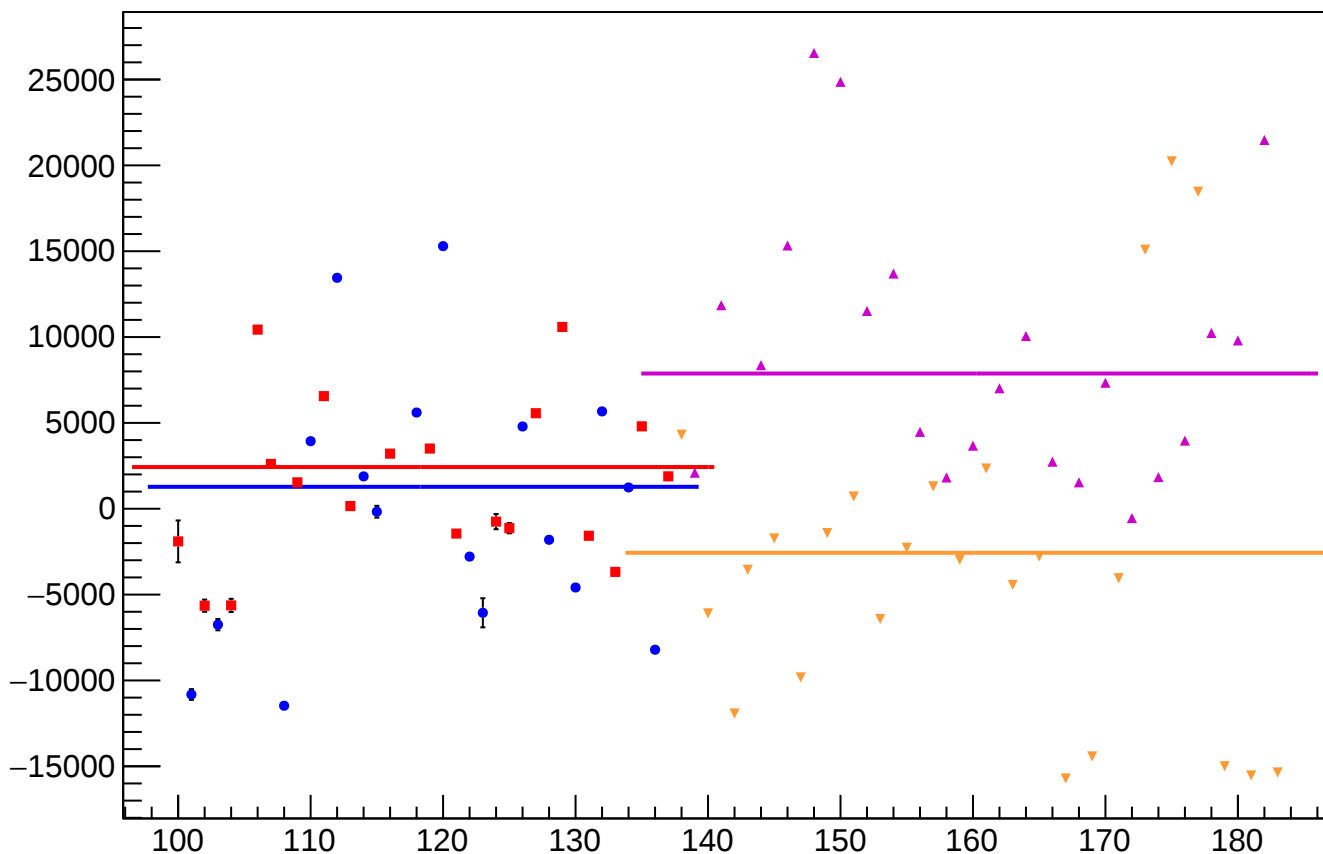
Left In: 169.021 $\pm$ 0.030 χ^2 /NDF:1128120.9/21

+ sign 156.322 $\pm$ 0.023 χ^2 /NDF: 2081871.1/40

All: 156.609 $\pm$ 0.016 χ^2 /NDF: 4404321.3/81

- sign 156.909 $\pm$ 0.023 χ^2 /NDF: 2322128.9/40

asym_bpm0i01aWS_mean vs Slug



Right In: 1277.751+/-46.646 χ^2/NDF : 30549.2/16

Left Out: -2564.812+/-35.891 χ^2/NDF : 55369.3/23

Right Out: 2430.297+/-44.264 χ^2/NDF : 7696.9/18

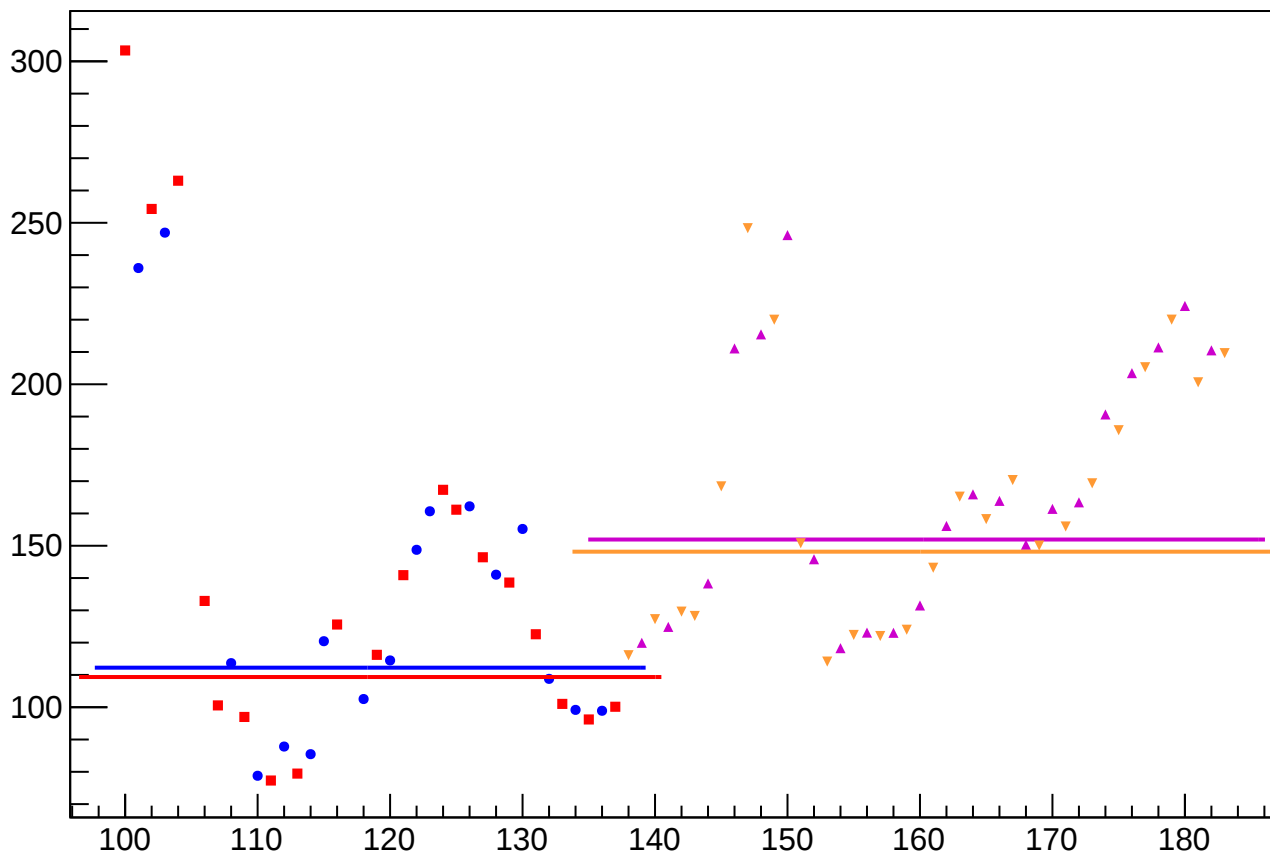
Left In: 7876.268+/-38.095 χ^2/NDF : 27271.8/21

+ sign -1135.857+/-28.445 χ^2/NDF : 90181.0/40

All: 2161.483+/-20.264 χ^2/NDF : 161128.0/83

- sign 5558.973+/-28.874 χ^2/NDF : 43664.8/40

asym_bpm0i01aWS_rms vs Slug



Right In: 112.247+/-0.033 χ^2/NDF : 1123602.1/16

Left Out: 148.165+/-0.025 χ^2/NDF : 1642015.9/23

Right Out: 109.351+/-0.031 χ^2/NDF : 1263029.6/18

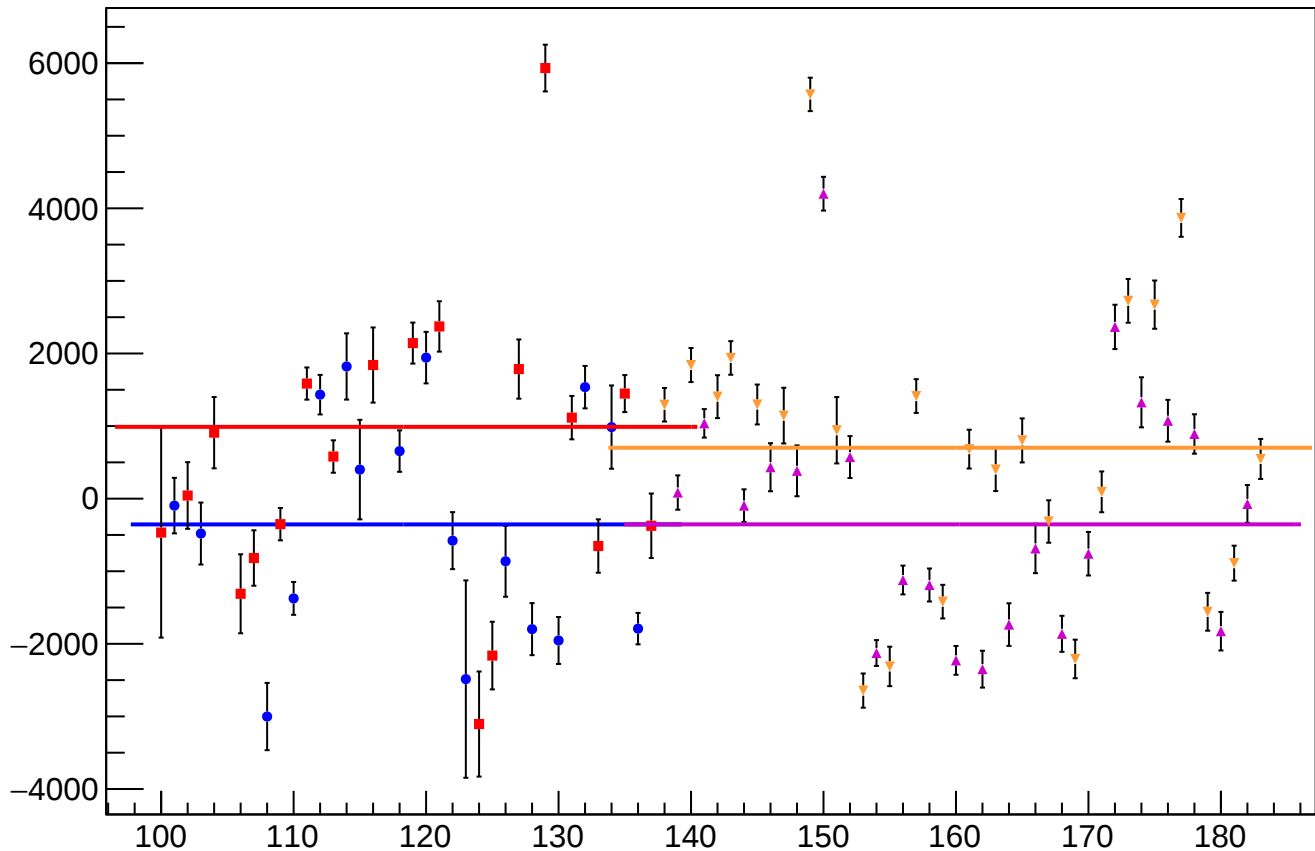
Left In: 151.928+/-0.027 χ^2/NDF : 1647180.8/21

+ sign 134.808+/-0.020 χ^2/NDF : 3510468.6/40

All: 134.317+/-0.014 χ^2/NDF : 7484927.6/81

- sign 133.811+/-0.020 χ^2/NDF : 3973248.1/40

asym_bpm0l01WS_mean vs Slug



Right In: -354.938 ± 84.016 χ^2/NDF : 310.6/16

Left Out: 701.678 ± 54.715 χ^2/NDF : 1420.4/23

Right Out: 989.192 ± 77.653 χ^2/NDF : 477.2/18

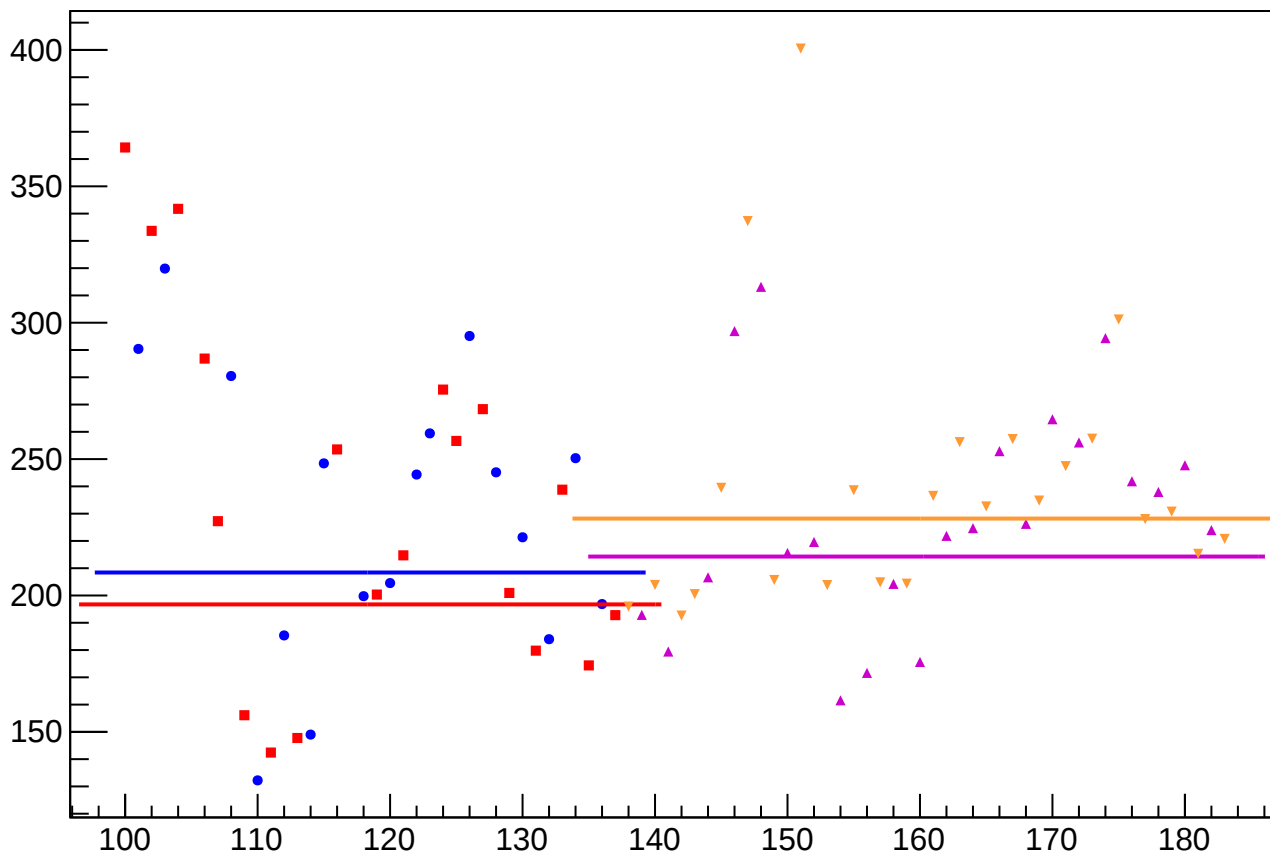
Left In: -354.047 ± 53.442 χ^2/NDF : 980.4/21

+ sign 387.000 ± 45.849 χ^2/NDF : 1842.0/40

All: 226.059 ± 31.755 χ^2/NDF : 3526.4/81

- sign 77.681 ± 44.024 χ^2/NDF : 1660.7/40

asym_bpm0l01WS_rms vs Slug



Right In: 208.429 $\pm$ 0.059 χ^2 /NDF: 696957.4/16

Left Out: 228.201 $\pm$ 0.039 χ^2 /NDF: 825467.4/23

Right Out: 196.731 $\pm$ 0.055 χ^2 /NDF: 925461.3/18

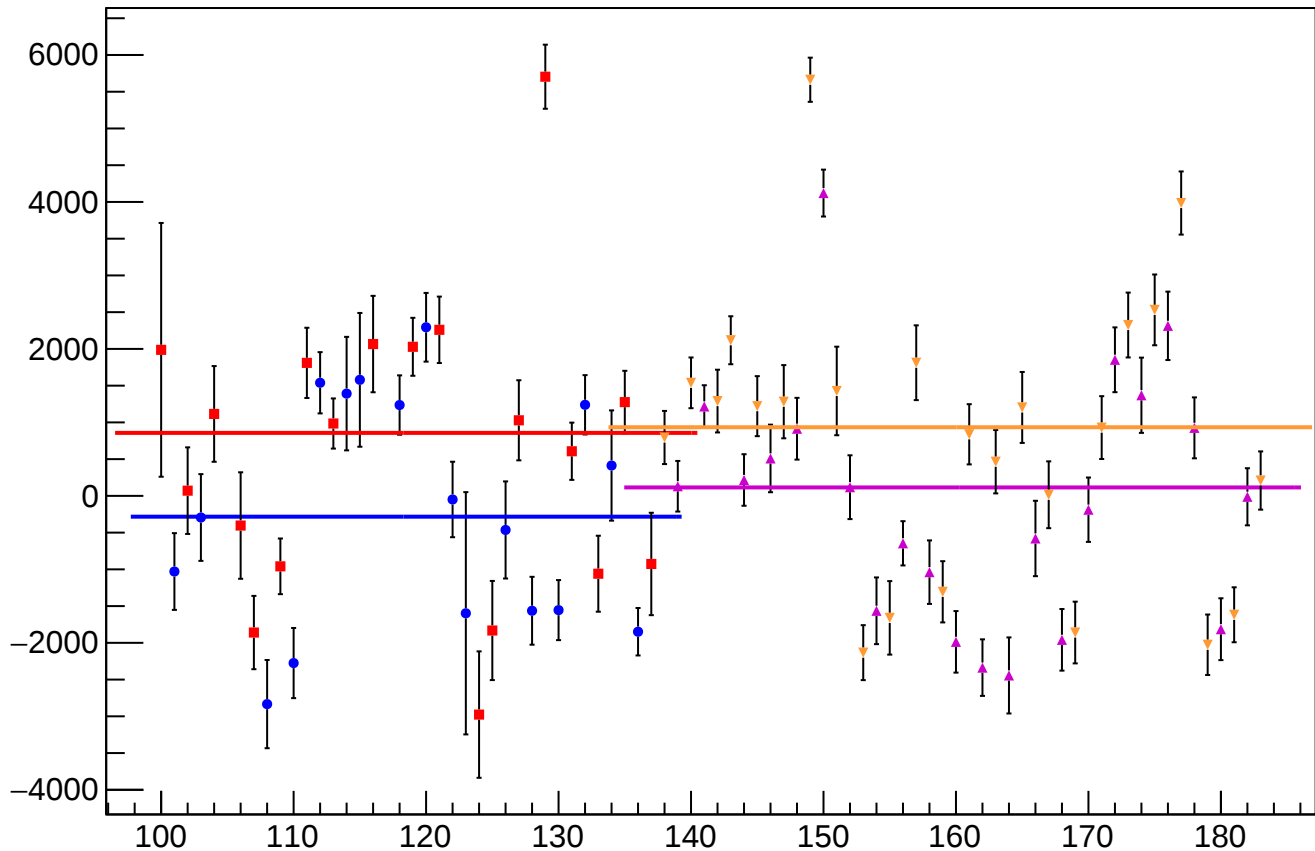
Left In: 214.272 $\pm$ 0.038 χ^2 /NDF: 1018901.9/21

+ sign 222.313 $\pm$ 0.032 χ^2 /NDF: 1600203.2/40

All: 215.196 $\pm$ 0.022 χ^2 /NDF: 3706441.1/81

- sign 208.634 $\pm$ 0.031 χ^2 /NDF: 2013621.9/40

asym_bpm0l02WS_mean vs Slug



Right In: -283.146 ± 121.564 $\chi^2/\text{NDF}: 166.9/16$

Left Out: 934.080 ± 84.083 $\chi^2/\text{NDF}: 615.4/23$

Right Out: 857.162 ± 115.341 $\chi^2/\text{NDF}: 265.0/18$

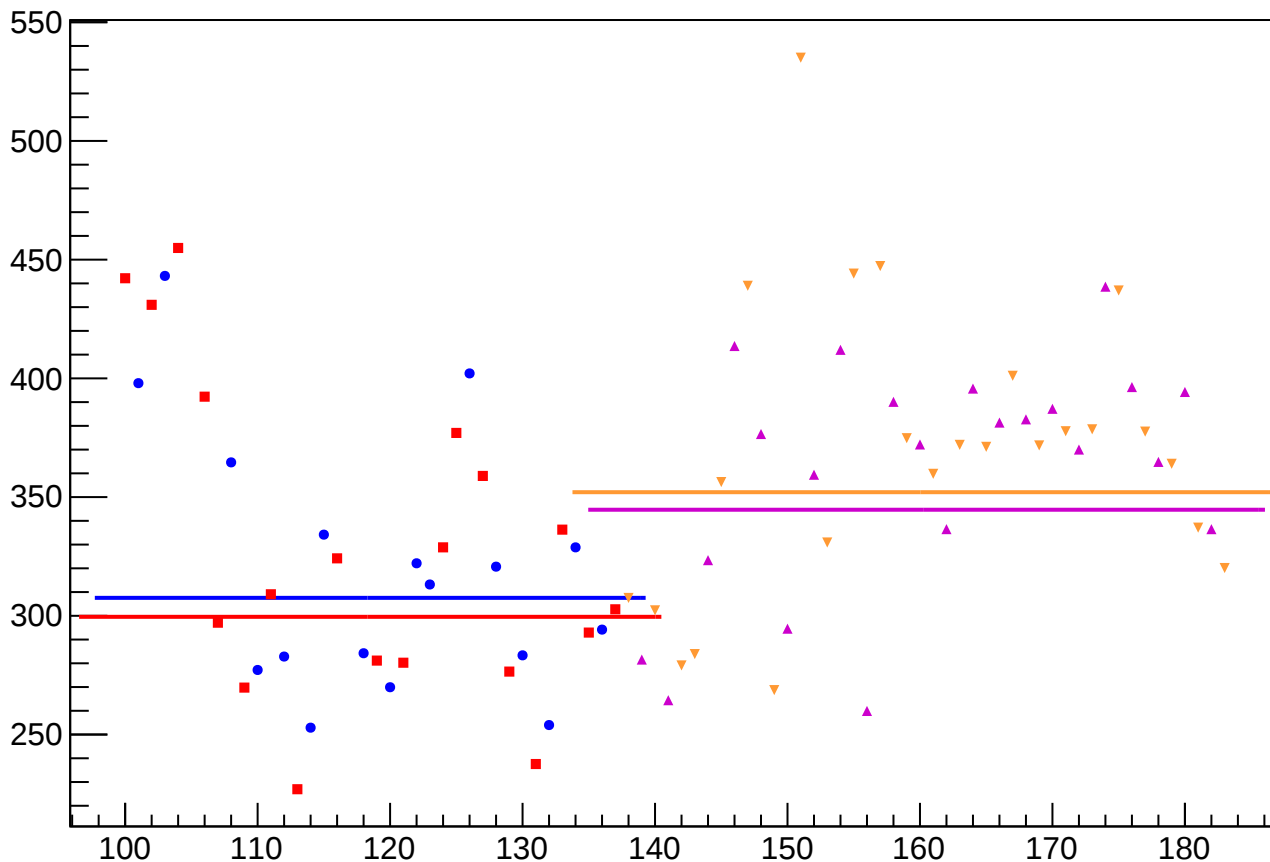
Left In: 114.841 ± 85.160 $\chi^2/\text{NDF}: 389.7/21$

+ sign 540.180 ± 69.153 $\chi^2/\text{NDF}: 850.2/40$

All: 457.696 ± 48.670 $\chi^2/\text{NDF}: 1534.5/81$

- sign 376.738 ± 68.510 $\chi^2/\text{NDF}: 681.5/40$

asym_bpm0l02WS_rms vs Slug



Right In: 307.566 $\pm$ 0.086 χ^2 /NDF: 321522.0/16

Left Out: 352.061 $\pm$ 0.059 χ^2 /NDF: 904648.9/23

Right Out: 299.577 $\pm$ 0.082 χ^2 /NDF: 493549.3/18

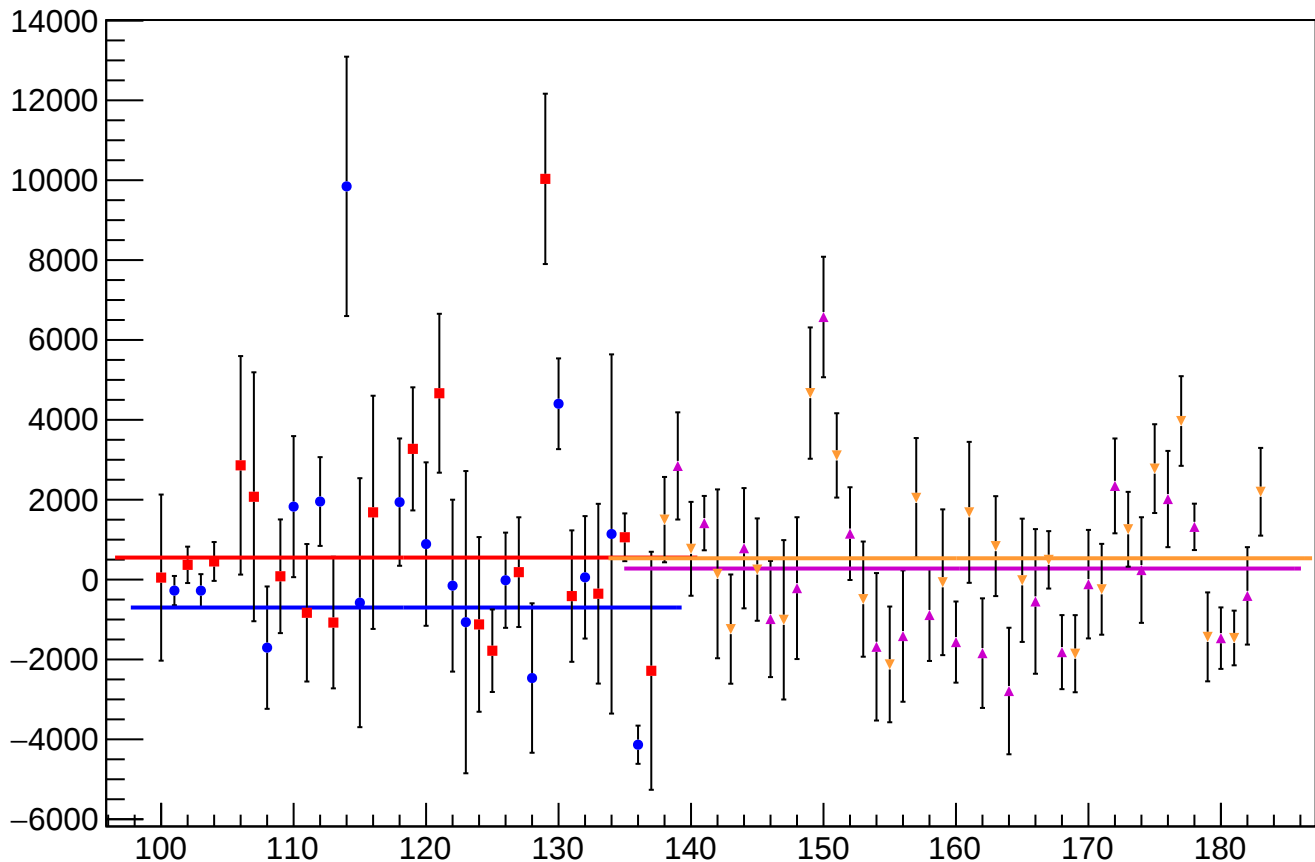
Left In: 344.675 $\pm$ 0.060 χ^2 /NDF: 768363.6/21

+ sign 337.663 $\pm$ 0.049 χ^2 /NDF: 1407409.3/40

All: 333.172 $\pm$ 0.034 χ^2 /NDF: 2883919.4/81

- sign 328.764 $\pm$ 0.048 χ^2 /NDF: 1459797.1/40

asym_bpm0l03WS_mean vs Slug



Right In: -699.406 $\pm$ 210.504 χ^2 /NDF: 97.9/16

Left Out: 533.636 $\pm$ 236.618 χ^2 /NDF:55.7/23

Right Out: 551.457 $\pm$ 243.420 χ^2 /NDF: 38.1/18

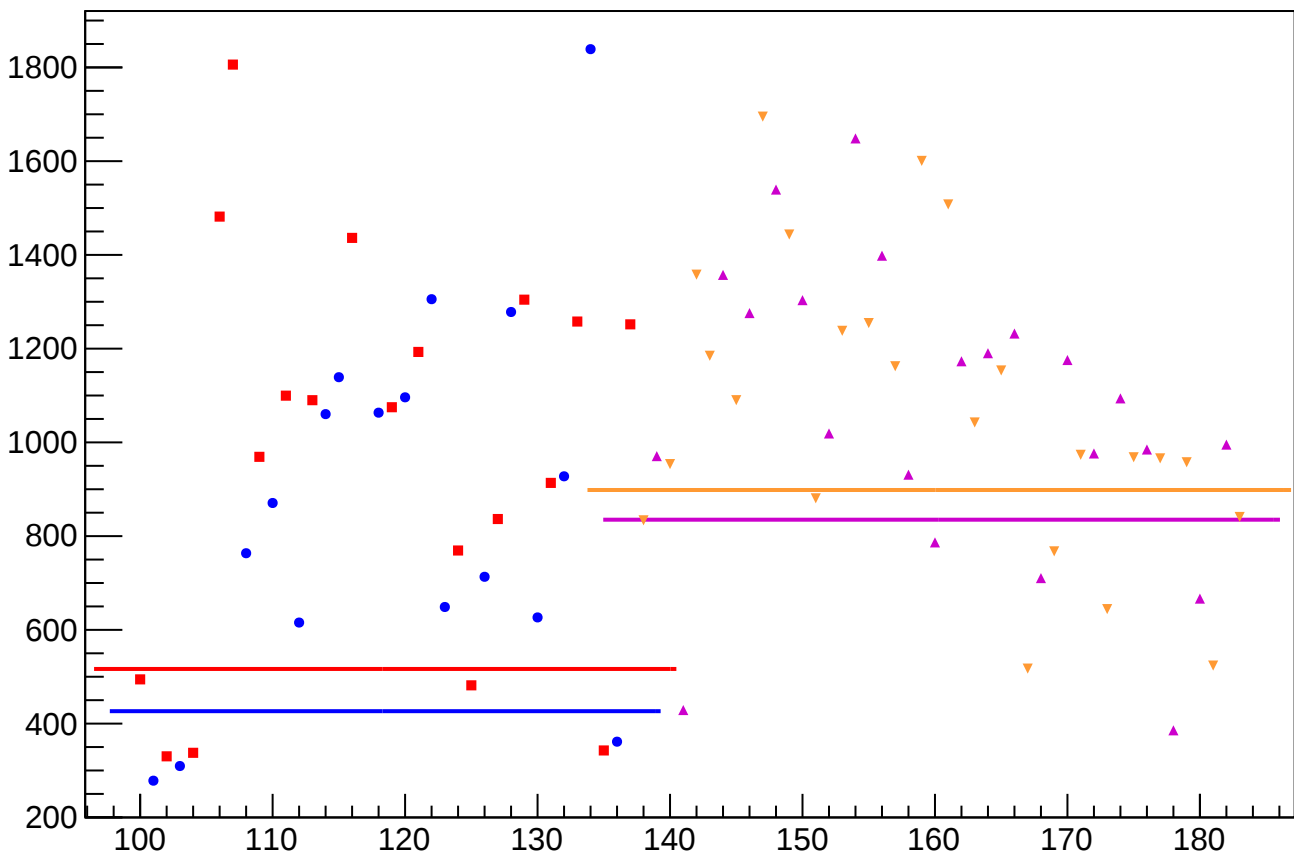
Left In: 276.686 $\pm$ 237.376 χ^2 /NDF:57.2/21

+ sign -154.657 $\pm$ 157.274 χ^2 /NDF: 168.7/40

All: 106.121 $\pm$ 115.430 χ^2 /NDF: 270.7/81

- sign 410.618 $\pm$ 169.947 χ^2 /NDF: 96.0/40

asym_bpm0l03WS_rms vs Slug



Right In: 426.522 $\pm$ 0.149 χ^2 /NDF: 2863074.2/16

Left Out: 898.424 $\pm$ 0.167 χ^2 /NDF: 3067008.7/23

Right Out: 516.598 $\pm$ 0.172 χ^2 /NDF: 3598022.9/18

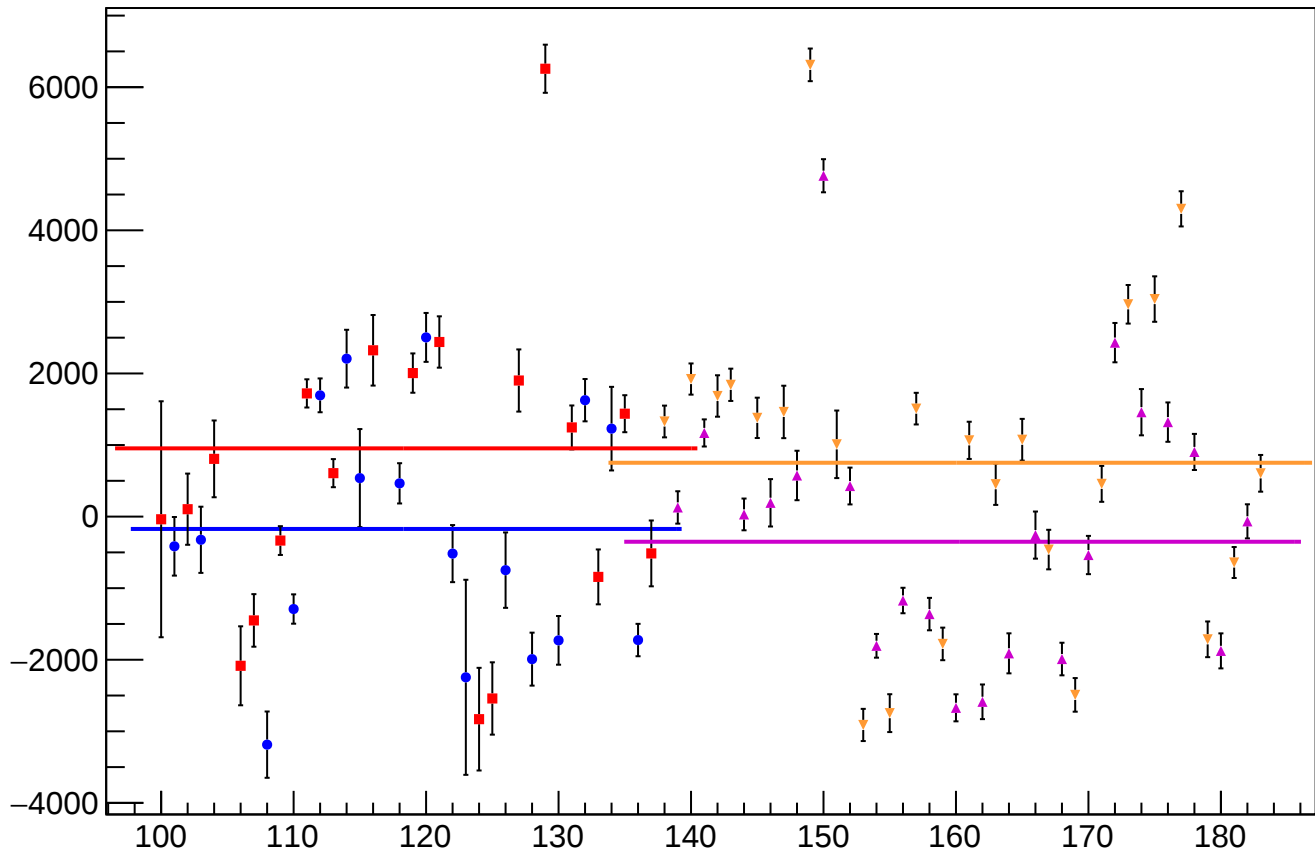
Left In: 835.054 $\pm$ 0.168 χ^2 /NDF: 4299607.5/21

+ sign 635.005 $\pm$ 0.111 χ^2 /NDF: 10370606.8/40

All: 655.683 $\pm$ 0.082 χ^2 /NDF: 20097736.8/83

- sign 679.828 $\pm$ 0.120 χ^2 /NDF: 9652186.4/40

asym_bpm0l04WS_mean vs Slug



Right In: -172.521 ± 82.544 χ^2/NDF : 376.5/16

Left Out: 752.353 ± 52.054 χ^2/NDF : 1930.9/23

Right Out: 953.457 ± 75.104 χ^2/NDF : 541.2/18

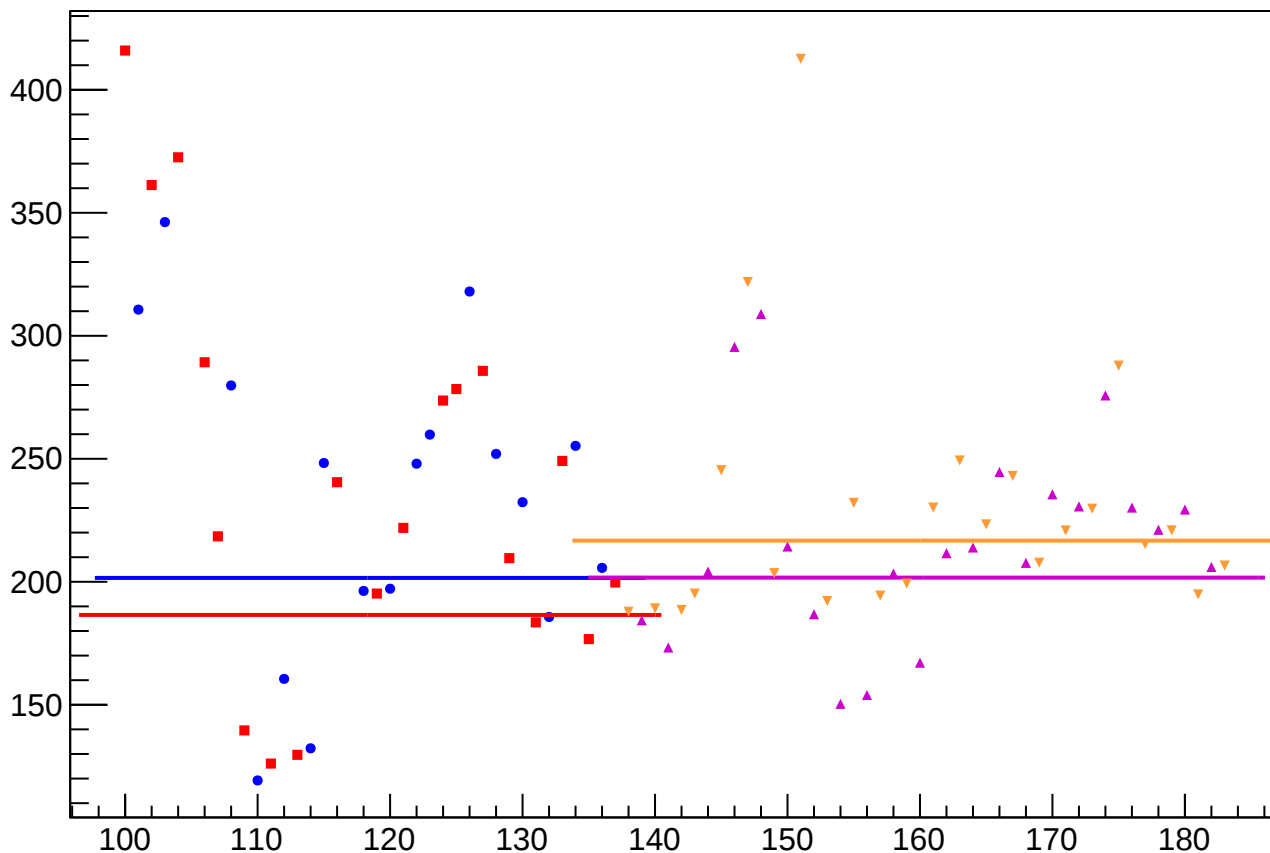
Left In: -351.405 ± 50.449 χ^2/NDF : 1252.9/21

+ sign 489.197 ± 44.030 χ^2/NDF : 2397.2/40

All: 260.864 ± 30.345 χ^2/NDF : 4450.6/81

- sign 54.307 ± 41.878 χ^2/NDF : 2002.1/40

asym_bpm0l04WS_rms vs Slug



Right In: 201.572 $\pm$ 0.058 χ^2 /NDF: 1052330.1/16

Left Out: 216.737 $\pm$ 0.037 χ^2 /NDF:884958.8/23

Right Out: 186.520 $\pm$ 0.053 χ^2 /NDF: 1388400.1/18

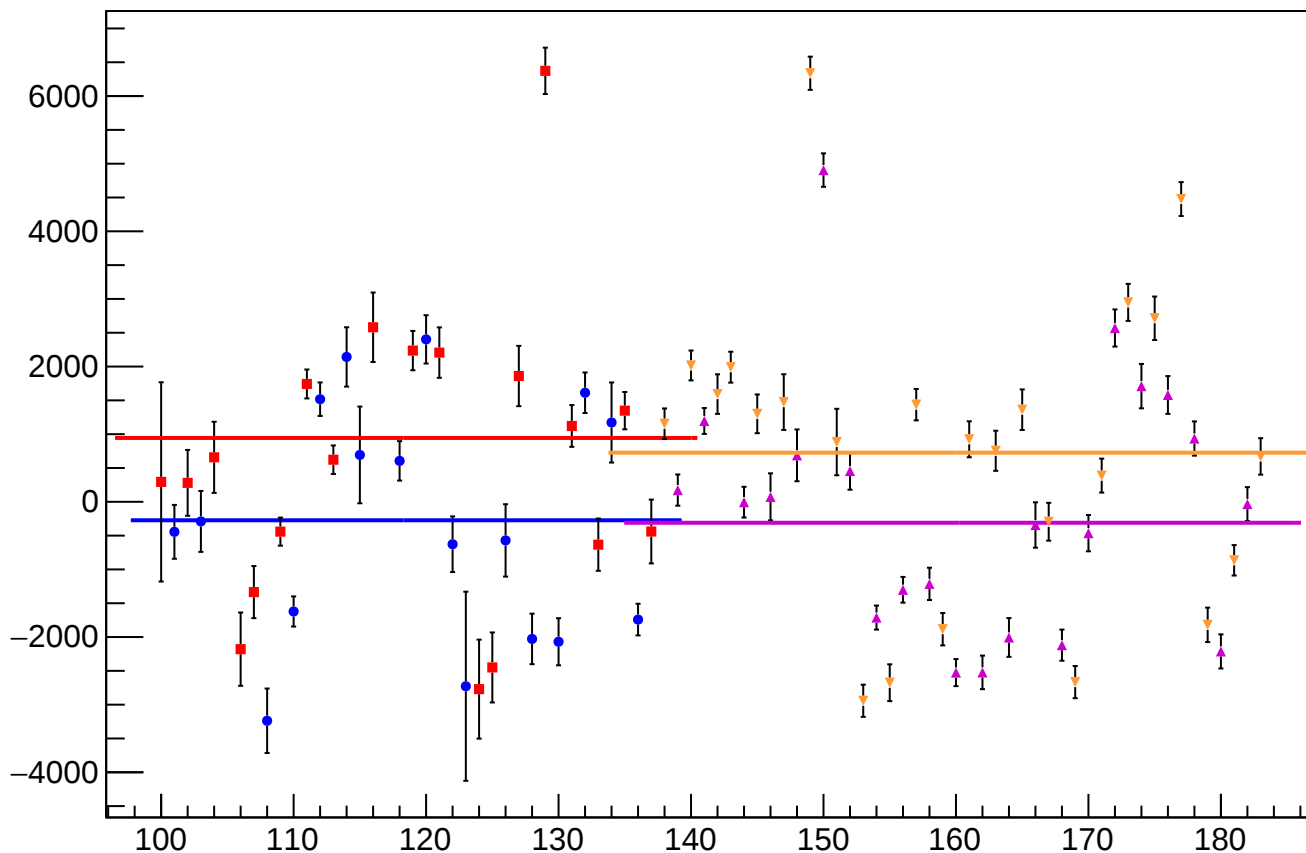
Left In: 201.694 $\pm$ 0.036 χ^2 /NDF:1086628.9/21

+ sign 212.422 $\pm$ 0.031 χ^2 /NDF: 1985584.9/40

All: 204.312 $\pm$ 0.021 χ^2 /NDF: 4646092.4/81

- sign 196.976 $\pm$ 0.030 χ^2 /NDF: 2531282.7/40

asym_bpm0l05WS_mean vs Slug



Right In: -273.296 ± 85.630 χ^2/NDF : 362.8/16

Left Out: 726.421 ± 53.645 χ^2/NDF : 1829.9/23

Right Out: 944.335 ± 78.399 χ^2/NDF : 524.4/18

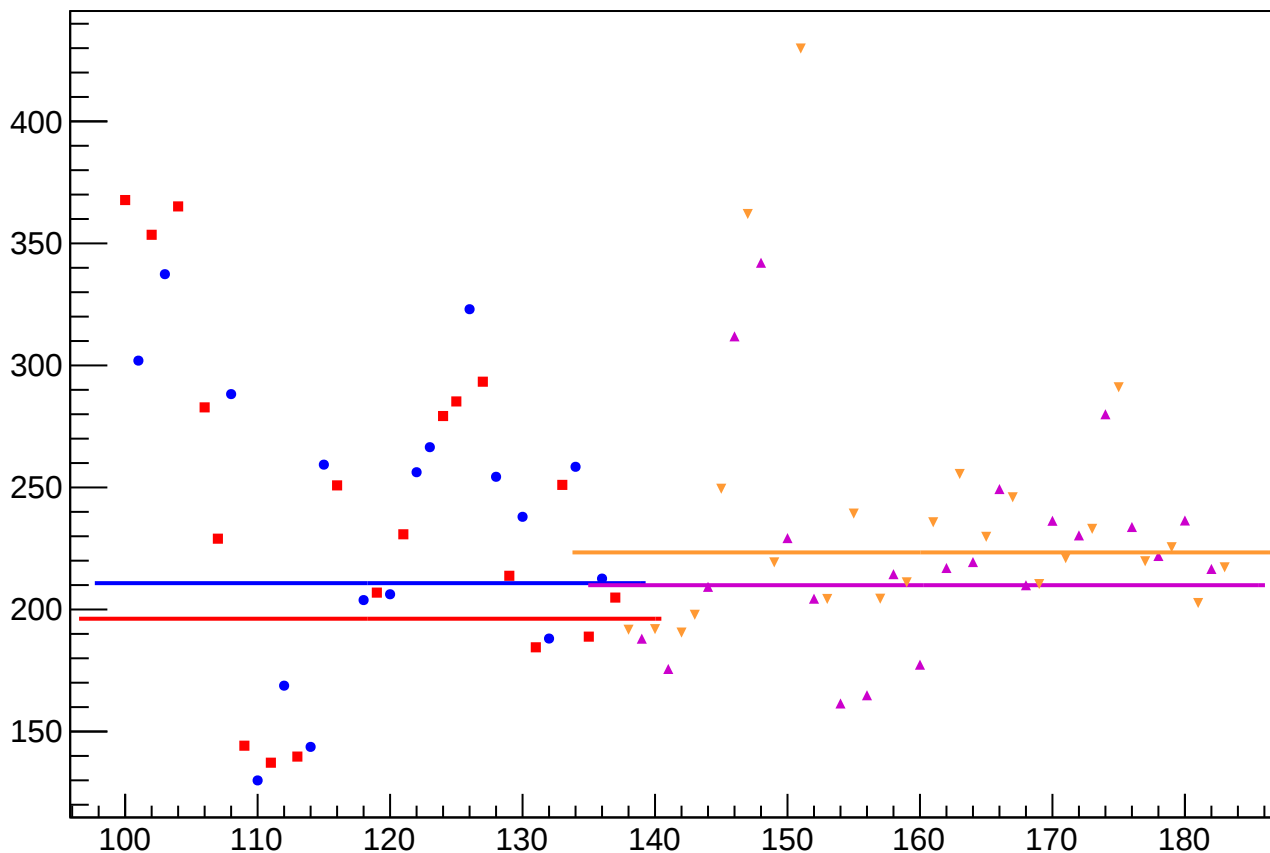
Left In: -309.980 ± 52.401 χ^2/NDF : 1206.5/21

+ sign 444.651 ± 45.460 χ^2/NDF : 2290.6/40

All: 253.181 ± 31.454 χ^2/NDF : 4232.4/81

- sign 77.341 ± 43.565 χ^2/NDF : 1907.9/40

asym_bpm0l05WS_rms vs Slug



Right In: 210.791+/-0.061 χ^2/NDF : 873120.0/16

Left Out: 223.385+/-0.038 χ^2/NDF : 922400.6/23

Right Out: 196.216+/-0.055 χ^2/NDF : 1201600.7/18

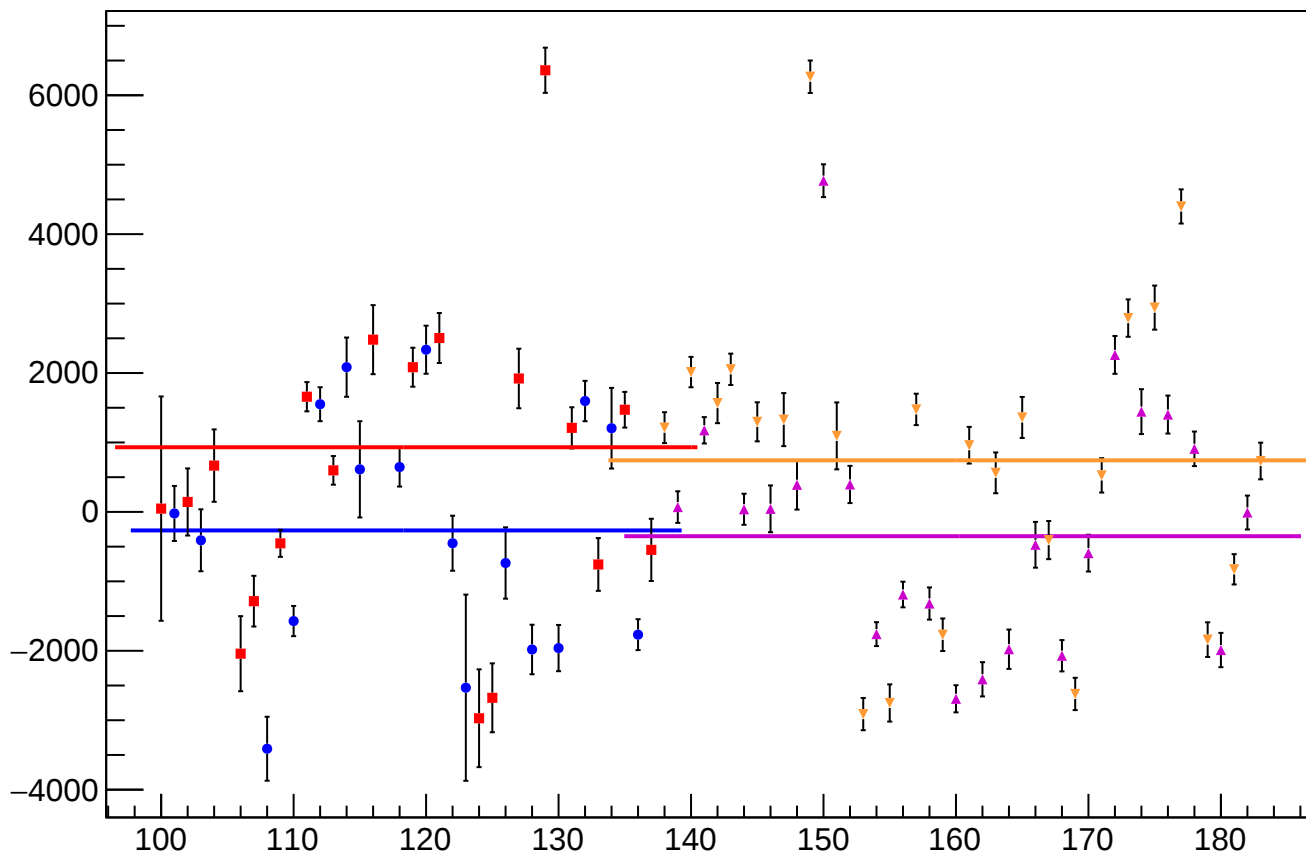
Left In: 209.955+/-0.037 χ^2/NDF : 1014555.7/21

+ sign 219.835+/-0.032 χ^2/NDF : 1826588.5/40

All: 212.473+/-0.022 χ^2/NDF : 4185818.0/81

- sign 205.713+/-0.031 χ^2/NDF : 2258610.4/40

asym_bpm0l06WS_mean vs Slug



Right In: -266.674 ± 82.997 χ^2/NDF : 383.4/16

Left Out: 742.923 ± 52.557 χ^2/NDF : 1905.8/23

Right Out: 931.196 ± 75.469 χ^2/NDF : 584.4/18

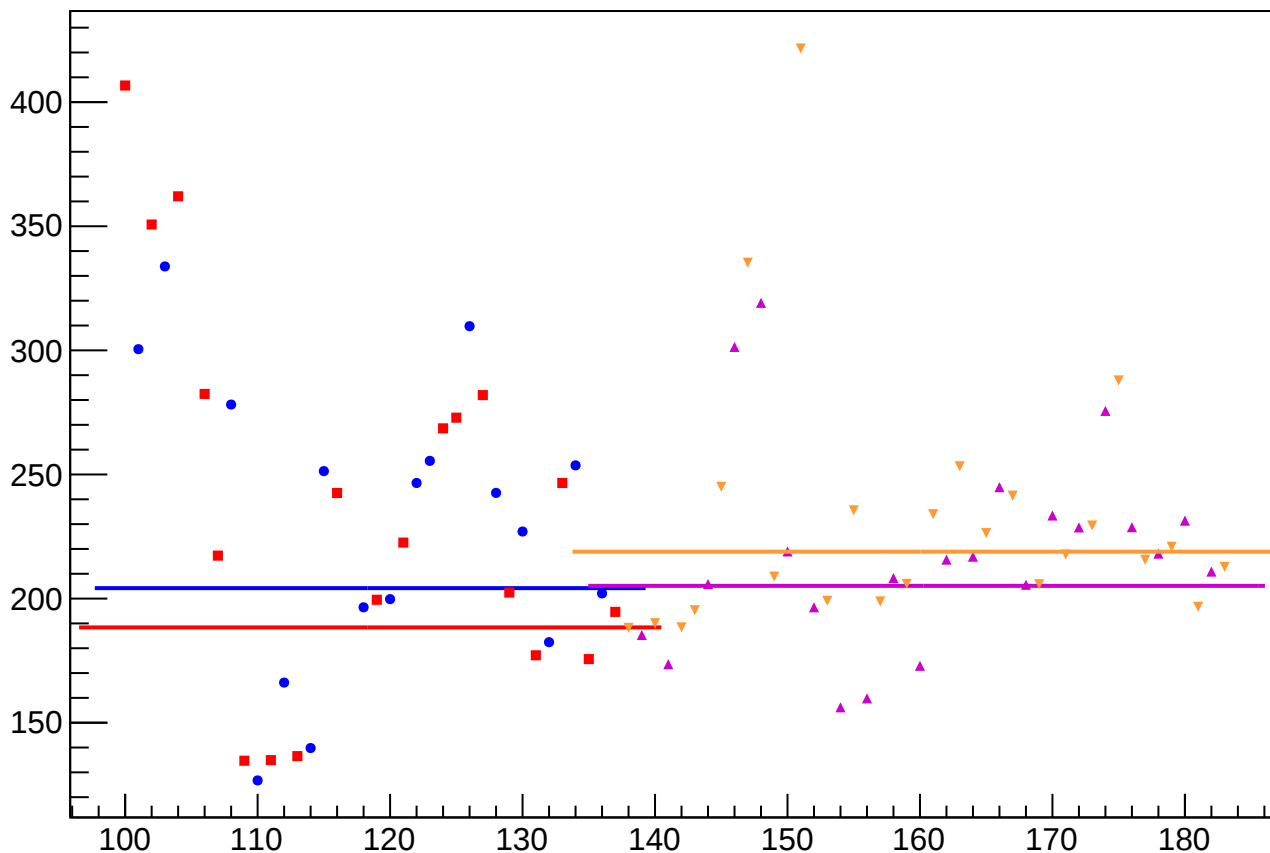
Left In: -349.733 ± 51.212 χ^2/NDF : 1199.8/21

+ sign 453.957 ± 44.403 χ^2/NDF : 2394.8/40

All: 244.709 ± 30.656 χ^2/NDF : 4418.7/81

- sign 54.127 ± 42.376 χ^2/NDF : 1981.4/40

asym_bpm0l06WS_rms vs Slug



Right In: 204.211 ± 0.059 χ^2/NDF : 866108.6/16

Left Out: 218.886 ± 0.037 χ^2/NDF : 896254.9/23

Right Out: 188.384 ± 0.053 χ^2/NDF : 1247760.0/18

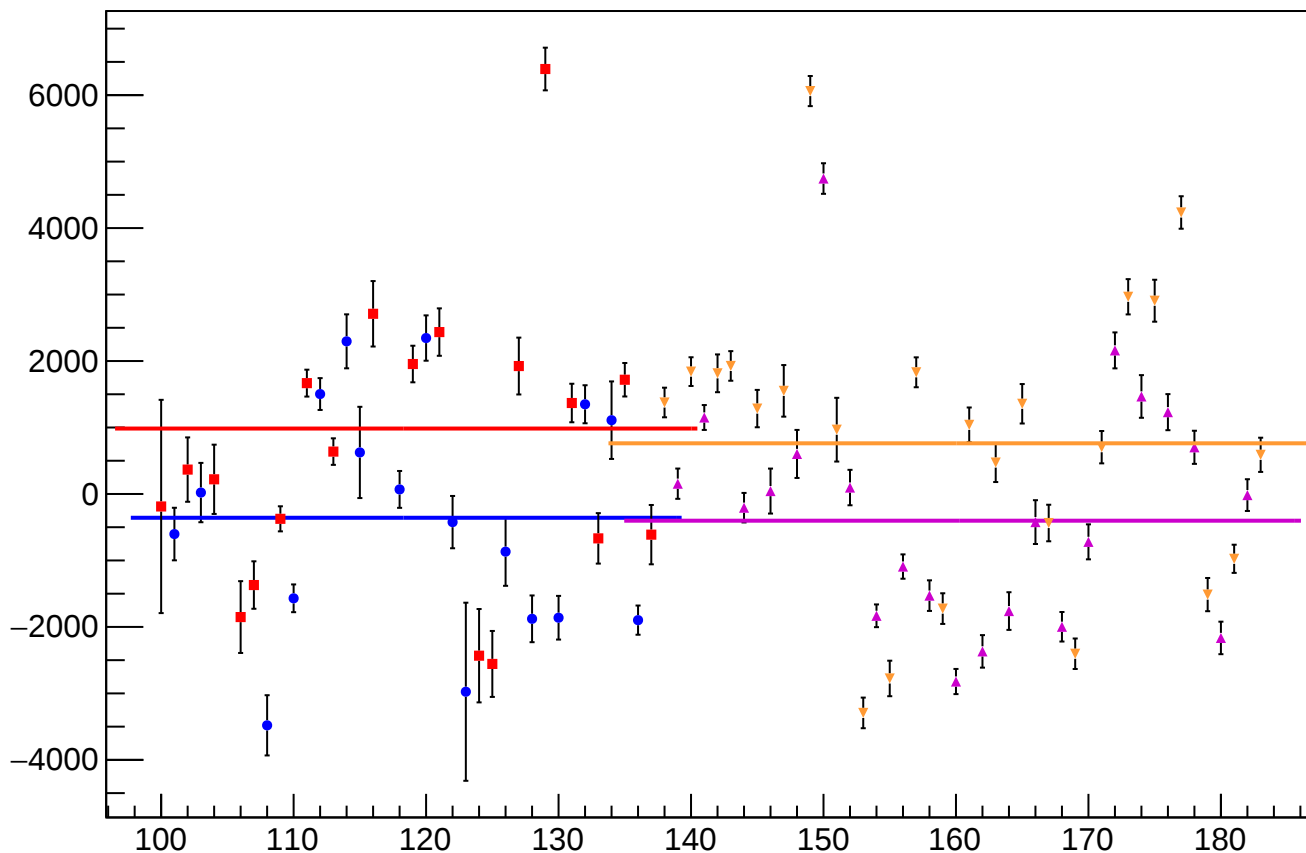
Left In: 205.134 ± 0.036 χ^2/NDF : 996540.2/21

+ sign 214.686 ± 0.031 χ^2/NDF : 1806990.4/40

All: 206.923 ± 0.022 χ^2/NDF : 4235539.1/81

- sign 199.853 ± 0.030 χ^2/NDF : 2311758.2/40

asym_bpm0l07WS_mean vs Slug



Right In: -357.821 ± 81.517 χ^2/NDF : 388.2/16

Left Out: 762.273 ± 51.999 χ^2/NDF : 1936.1/23

Right Out: 984.342 ± 73.851 χ^2/NDF : 588.2/18

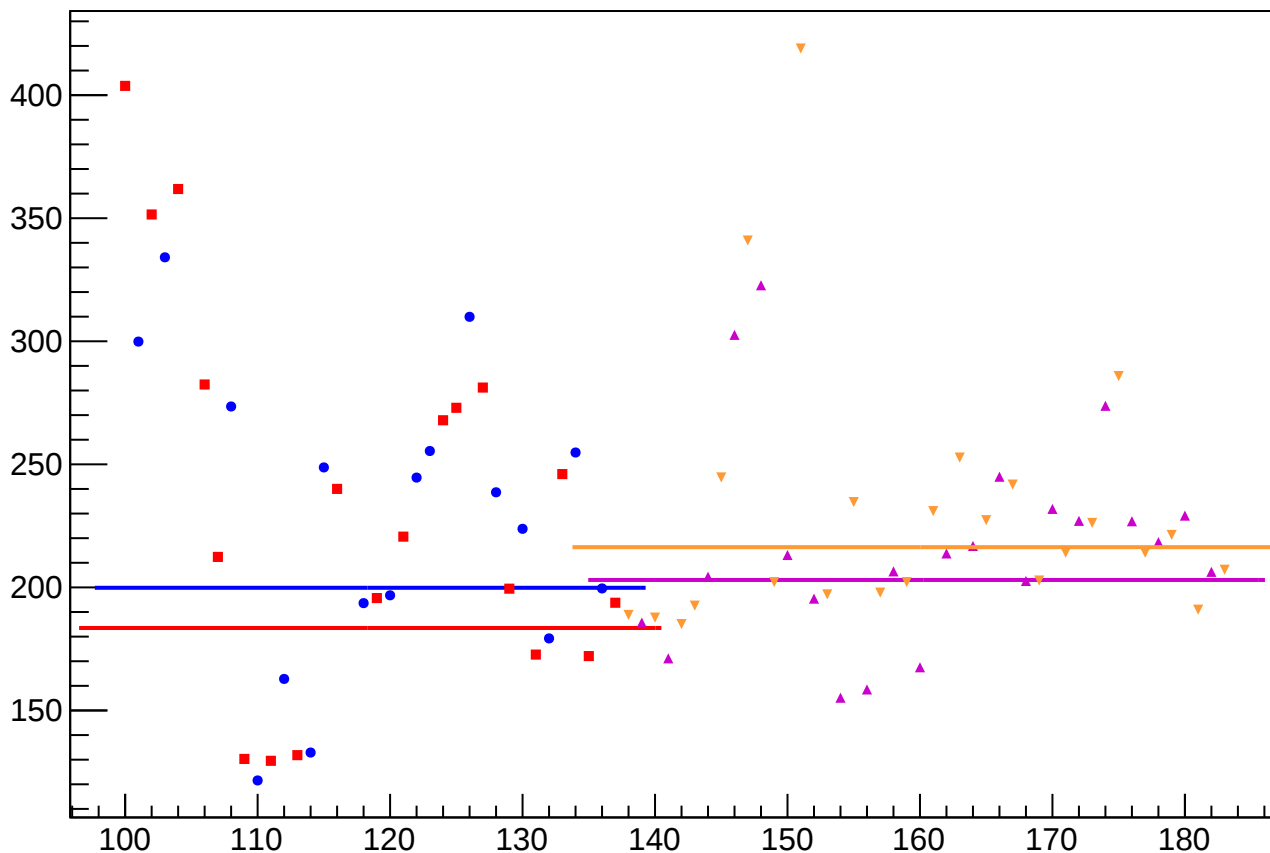
Left In: -401.957 ± 50.725 χ^2/NDF : 1235.0/21

+ sign 438.318 ± 43.839 χ^2/NDF : 2458.6/40

All: 231.005 ± 30.257 χ^2/NDF : 4564.0/81

- sign 42.419 ± 41.812 χ^2/NDF : 2062.7/40

asym_bpm0l07WS_rms vs Slug



Right In: 199.847 $\pm$ 0.058 χ^2 /NDF: 940786.8/16

Left Out: 216.348 $\pm$ 0.037 χ^2 /NDF:944679.8/23

Right Out: 183.513 $\pm$ 0.052 χ^2 /NDF: 1345883.7/18

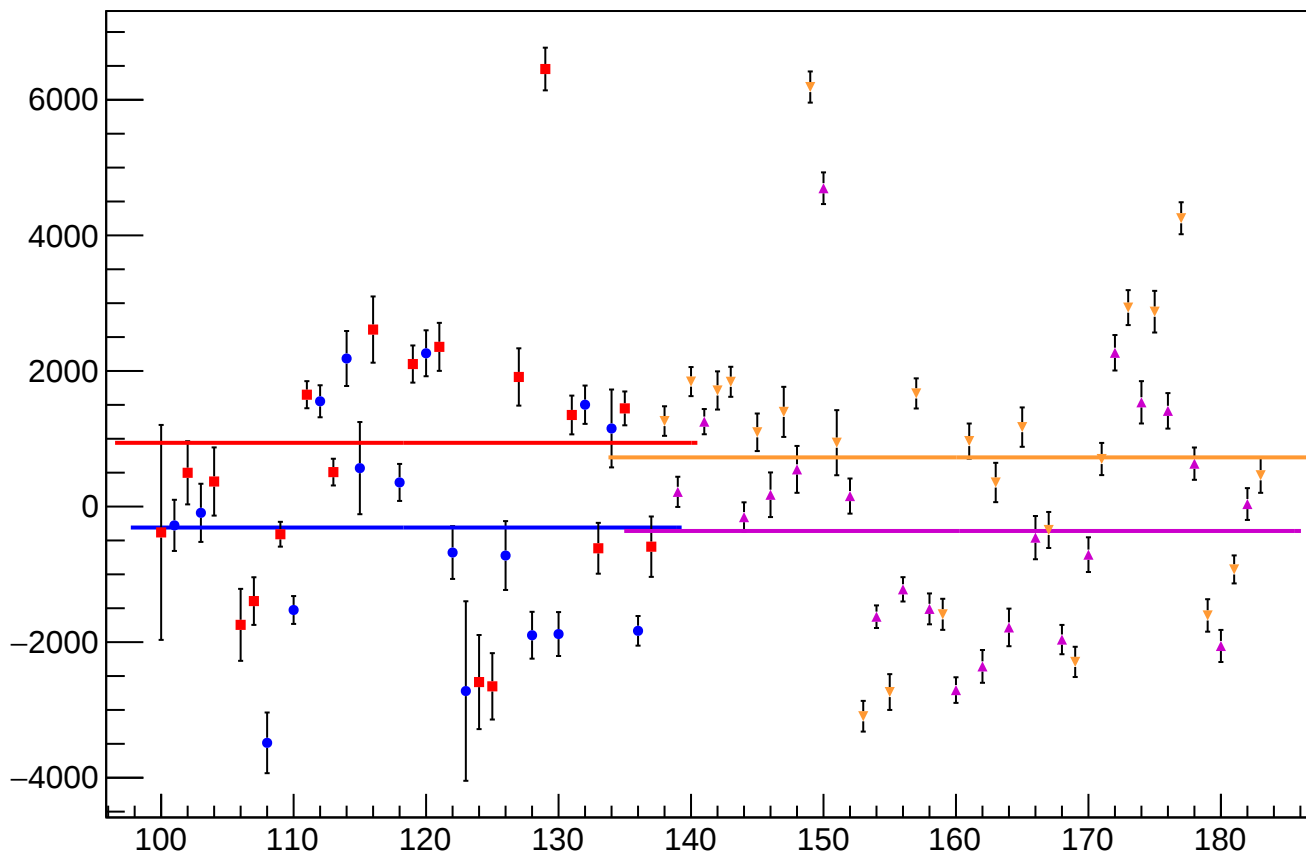
Left In: 203.020 $\pm$ 0.036 χ^2 /NDF:1037697.5/21

+ sign 211.576 $\pm$ 0.031 χ^2 /NDF: 1943715.2/40

All: 203.821 $\pm$ 0.021 χ^2 /NDF: 4541604.0/81

- sign 196.767 $\pm$ 0.030 χ^2 /NDF: 2478385.2/40

asym_bpm0l08WS_mean vs Slug



Right In: -309.418 ± 80.357 χ^2/NDF : 396.4/16

Left Out: 725.512 ± 51.127 χ^2/NDF : 1926.2/23

Right Out: 940.123 ± 72.716 χ^2/NDF : 616.8/18

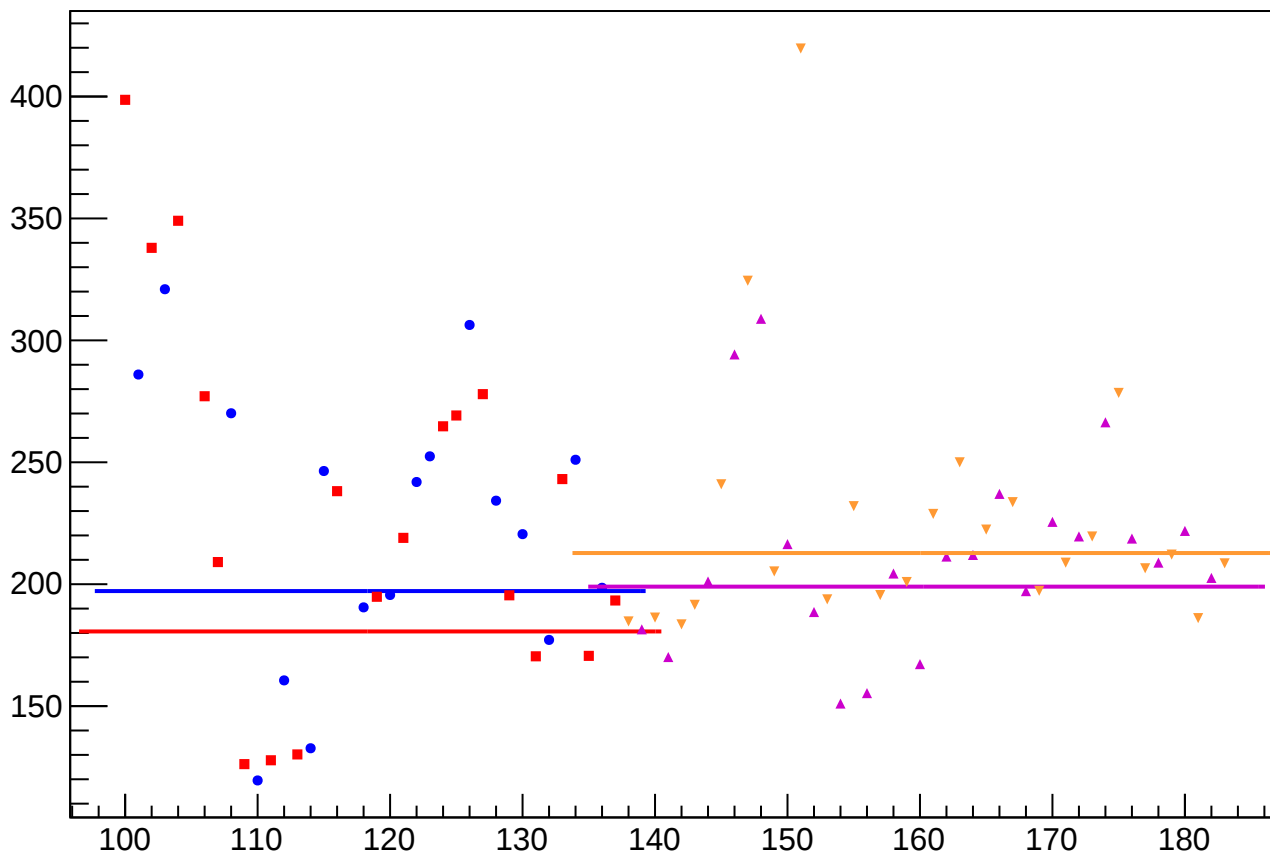
Left In: -360.113 ± 49.705 χ^2/NDF : 1231.5/21

+ sign 427.283 ± 43.136 χ^2/NDF : 2440.7/40

All: 231.300 ± 29.731 χ^2/NDF : 4546.3/81

- sign 53.949 ± 41.035 χ^2/NDF : 2066.3/40

asym_bpm0l08WS_rms vs Slug



Right In: 197.185+/-0.057 χ^2/NDF : 909929.0/16

Left Out: 212.784+/-0.036 χ^2/NDF : 916000.2/23

Right Out: 180.624+/-0.051 χ^2/NDF : 1341837.4/18

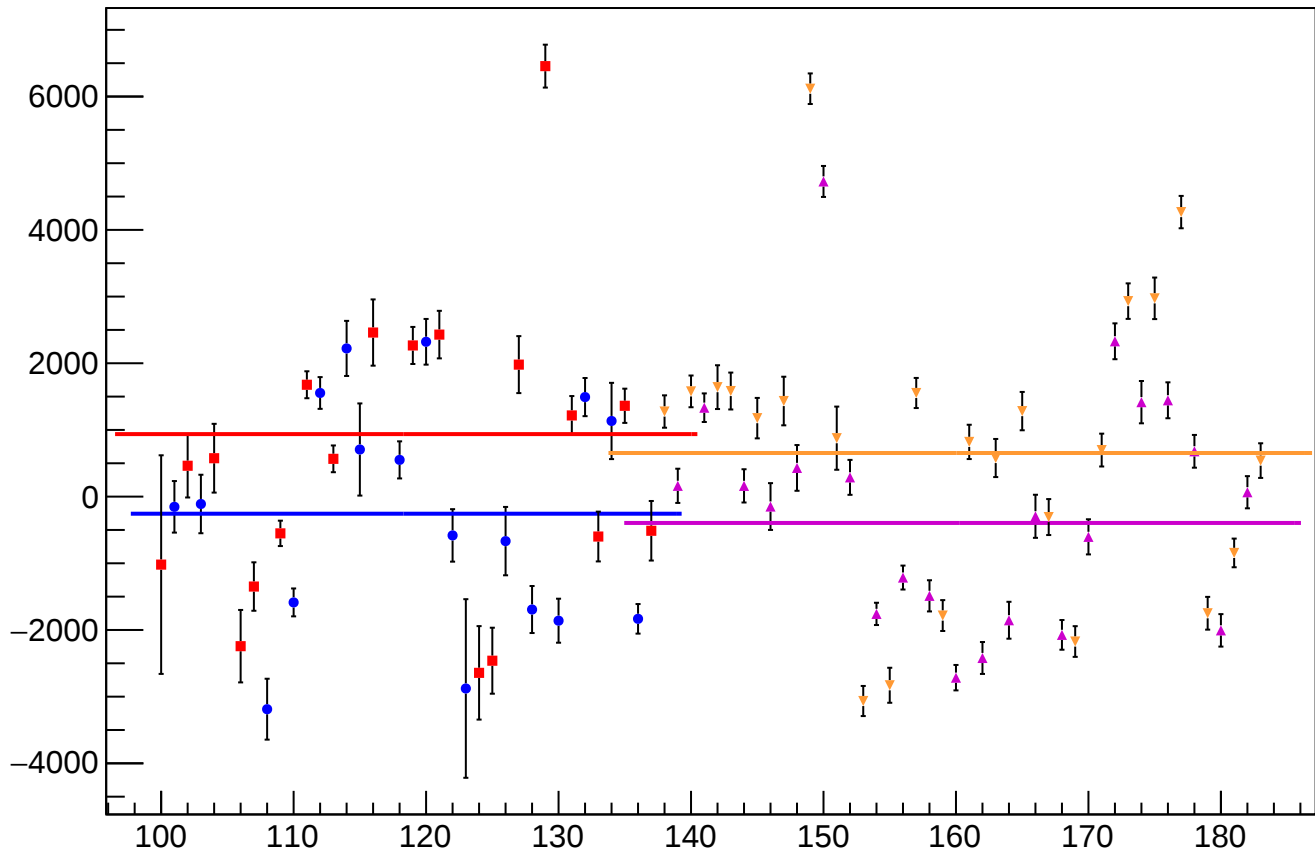
Left In: 199.000+/-0.035 χ^2/NDF : 984889.1/21

+ sign 208.289+/-0.031 χ^2/NDF : 1879579.3/40

All: 200.341+/-0.021 χ^2/NDF : 4422699.9/81

- sign 193.148+/-0.029 χ^2/NDF : 2413774.5/40

asym_bpm0l09WS_mean vs Slug



Right In: -256.429 ± 81.594 χ^2/NDF : 381.8/16

Left Out: 654.125 ± 53.133 χ^2/NDF : 1854.8/23

Right Out: 937.482 ± 74.168 χ^2/NDF : 609.1/18

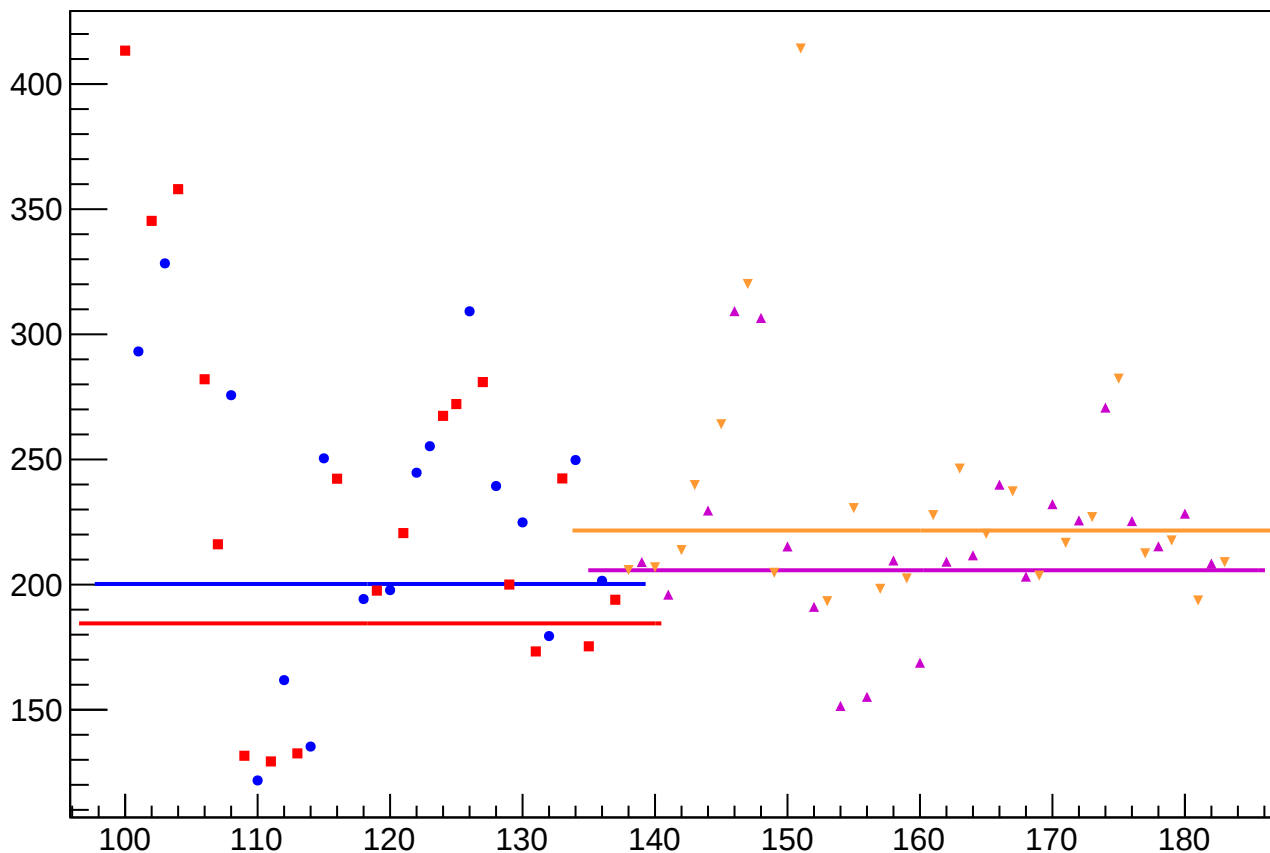
Left In: -395.044 ± 51.418 χ^2/NDF : 1236.3/21

+ sign 382.986 ± 44.525 χ^2/NDF : 2324.1/40

All: 201.216 ± 30.650 χ^2/NDF : 4419.1/81

- sign 37.493 ± 42.256 χ^2/NDF : 2063.3/40

asym_bpm0l09WS_rms vs Slug



Right In: 200.256+/-0.058 χ^2/NDF : 915910.1/16

Left Out: 221.616+/-0.038 χ^2/NDF : 775724.9/23

Right Out: 184.510+/-0.052 χ^2/NDF : 1314720.9/18

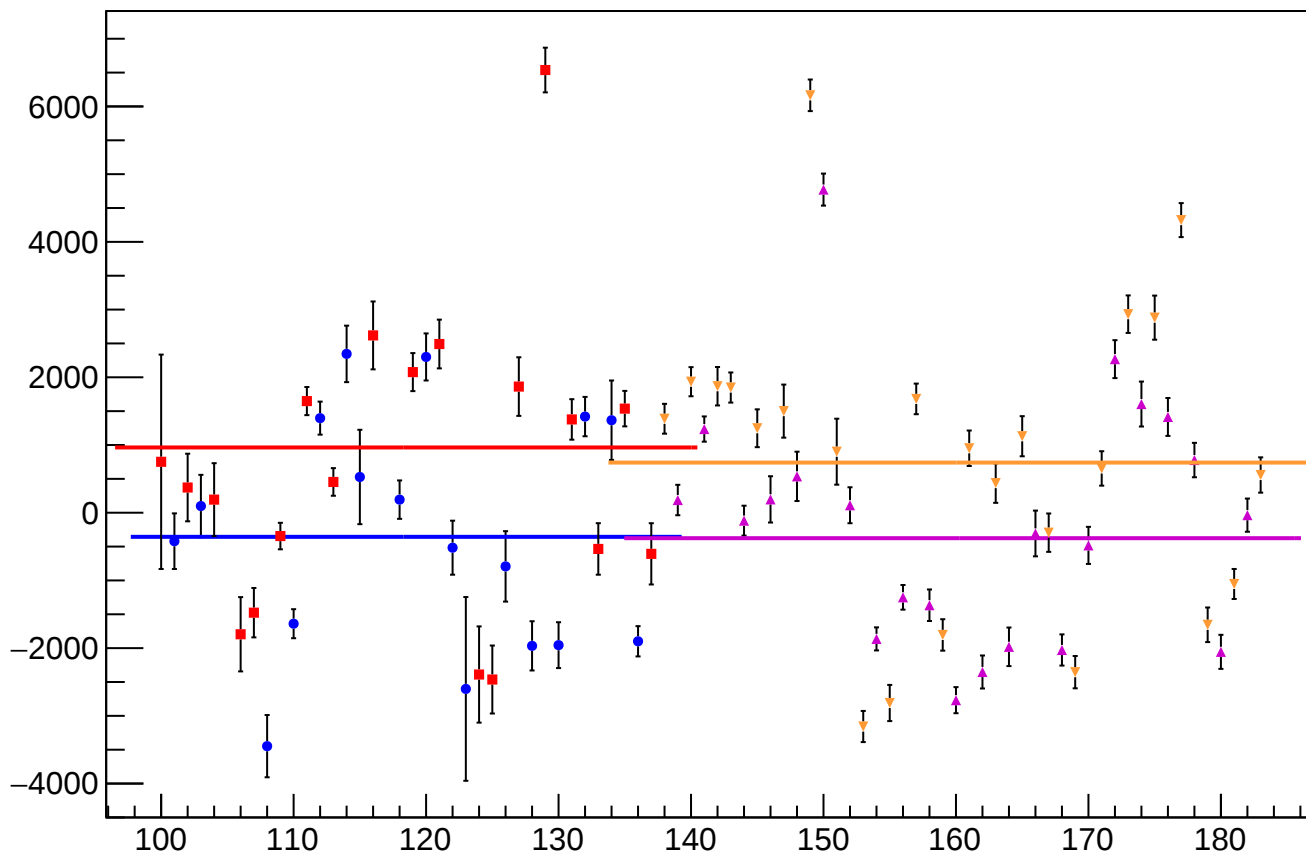
Left In: 205.737+/-0.036 χ^2/NDF : 994699.2/21

+ sign 215.255+/-0.031 χ^2/NDF : 1787882.9/40

All: 206.622+/-0.022 χ^2/NDF : 4350861.8/81

- sign 198.846+/-0.030 χ^2/NDF : 2420066.6/40

asym_bpm0l10WS_mean vs Slug



Right In: -356.124 ± 83.321 χ^2/NDF : 378.6/16

Left Out: 740.614 ± 52.723 χ^2/NDF : 1877.7/23

Right Out: 963.743 ± 75.713 χ^2/NDF : 572.4/18

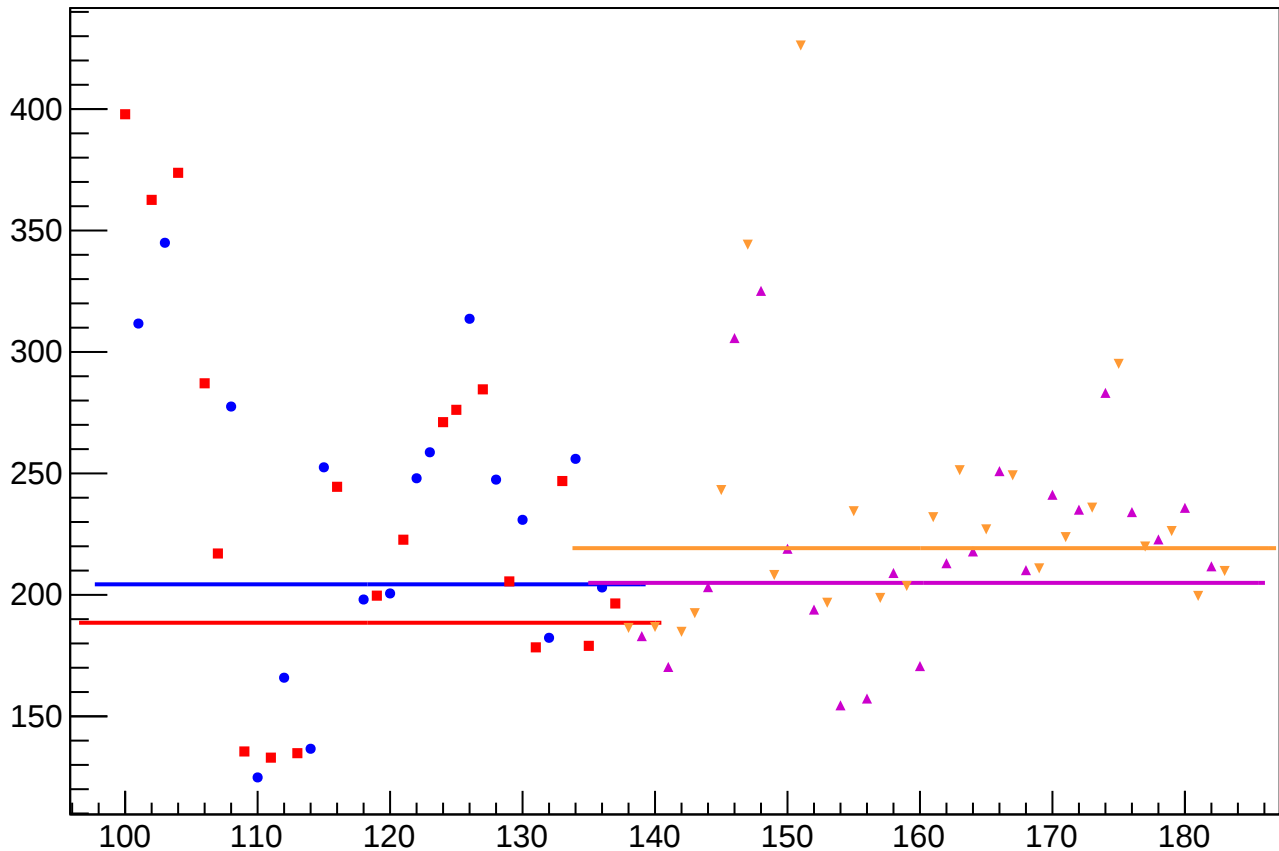
Left In: -376.147 ± 51.299 χ^2/NDF : 1222.4/21

+ sign 427.039 ± 44.553 χ^2/NDF : 2380.0/40

All: 227.100 ± 30.740 χ^2/NDF : 4427.9/81

- sign 45.426 ± 42.469 χ^2/NDF : 2009.4/40

asym_bpm0l10WS_rms vs Slug



Right In: 204.343 $\pm$ 0.059 χ^2 /NDF: 944923.9/16

Left Out: 219.231 $\pm$ 0.037 χ^2 /NDF: 974033.2/23

Right Out: 188.523 $\pm$ 0.054 χ^2 /NDF: 1311109.8/18

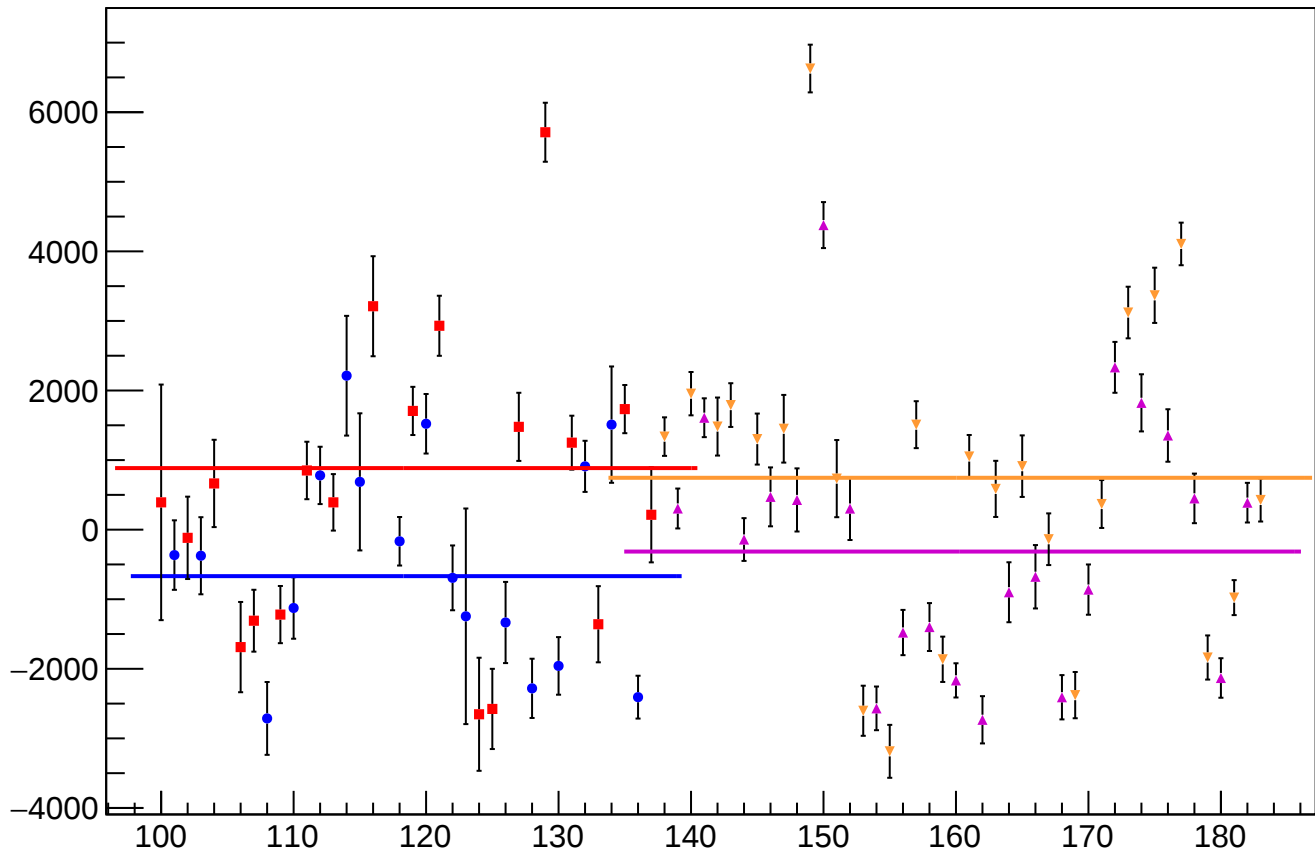
Left In: 204.943 $\pm$ 0.036 χ^2 /NDF: 1143687.7/21

+ sign 214.974 $\pm$ 0.032 χ^2 /NDF: 1964559.3/40

All: 207.012 $\pm$ 0.022 χ^2 /NDF: 4605754.2/81

- sign 199.777 $\pm$ 0.030 χ^2 /NDF: 2519261.3/40

asym_bpm0r03WS_mean vs Slug



Right In: -668.118 ± 114.189 χ^2/NDF : 153.3/16

Left Out: 745.551 ± 70.287 χ^2/NDF : 1011.0/23

Right Out: 884.858 ± 110.843 χ^2/NDF : 320.1/18

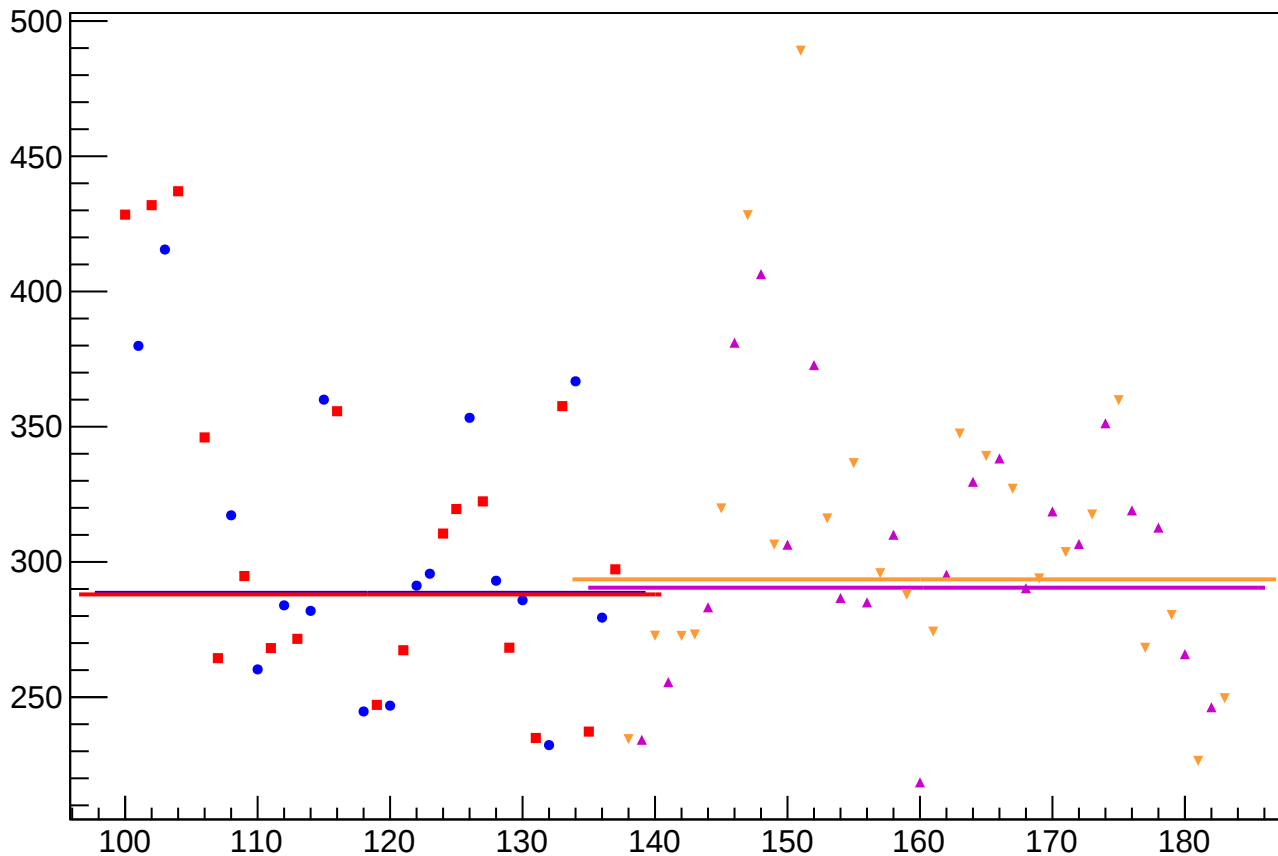
Left In: -314.840 ± 71.779 χ^2/NDF : 642.5/21

+ sign 357.111 ± 59.857 χ^2/NDF : 1275.5/40

All: 199.399 ± 42.463 χ^2/NDF : 2334.7/81

- sign 39.614 ± 60.249 χ^2/NDF : 1045.2/40

asym_bpm0r03WS_rms vs Slug



Right In: 288.577 $\pm$ 0.081 χ^2 /NDF: 338793.1/16

Left Out: 293.567 $\pm$ 0.050 χ^2 /NDF: 909014.9/23

Right Out: 287.995 $\pm$ 0.078 χ^2 /NDF: 459962.0/18

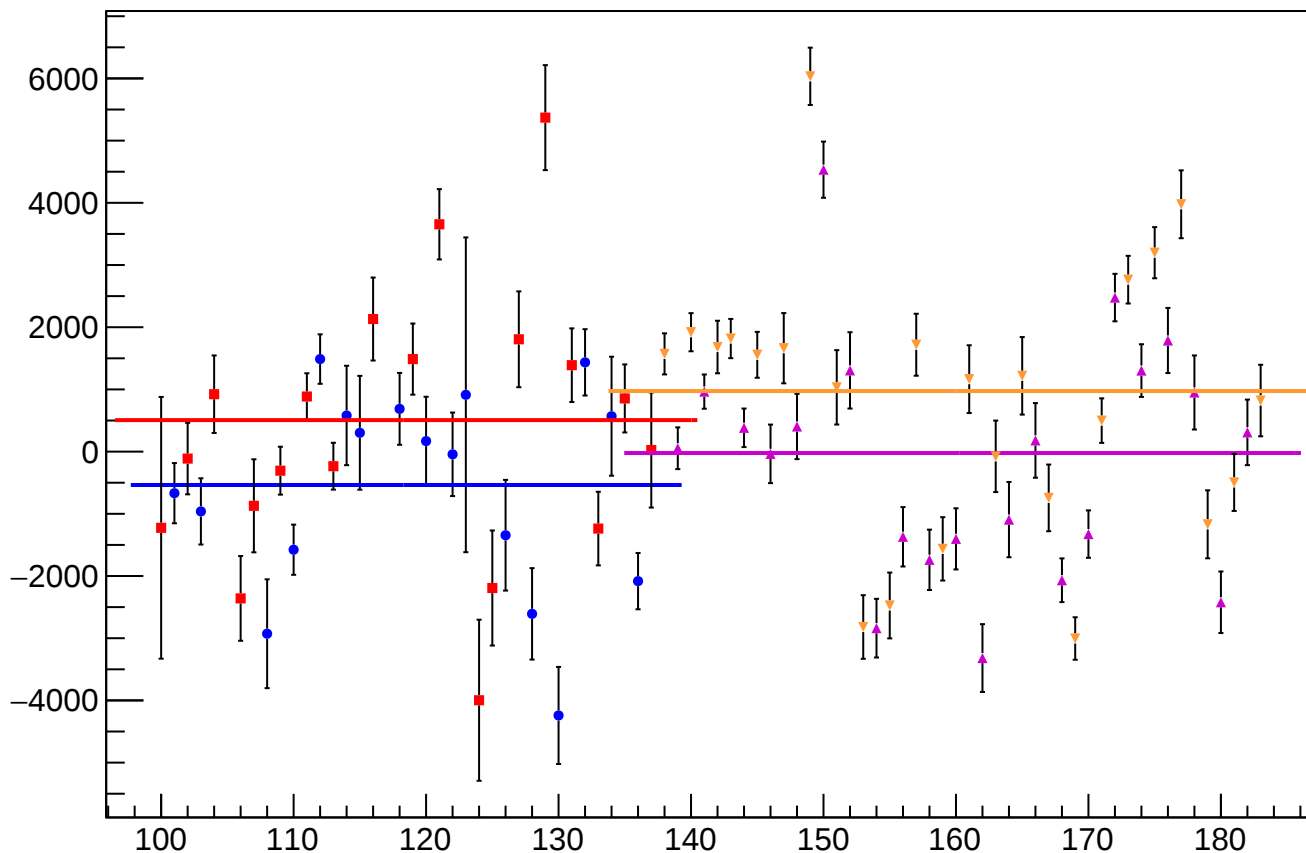
Left In: 290.477 $\pm$ 0.051 χ^2 /NDF: 762336.7/21

+ sign 292.196 $\pm$ 0.042 χ^2 /NDF: 1250578.6/40

All: 290.978 $\pm$ 0.030 χ^2 /NDF: 2475251.8/81

- sign 289.743 $\pm$ 0.043 χ^2 /NDF: 1223005.1/40

asym_bpm0r05WS_mean vs Slug



Right In: -536.568 ± 147.571 χ^2/NDF : 107.9/16

Left Out: 973.780 ± 89.524 χ^2/NDF : 530.3/23

Right Out: 506.373 ± 135.761 χ^2/NDF : 140.9/18

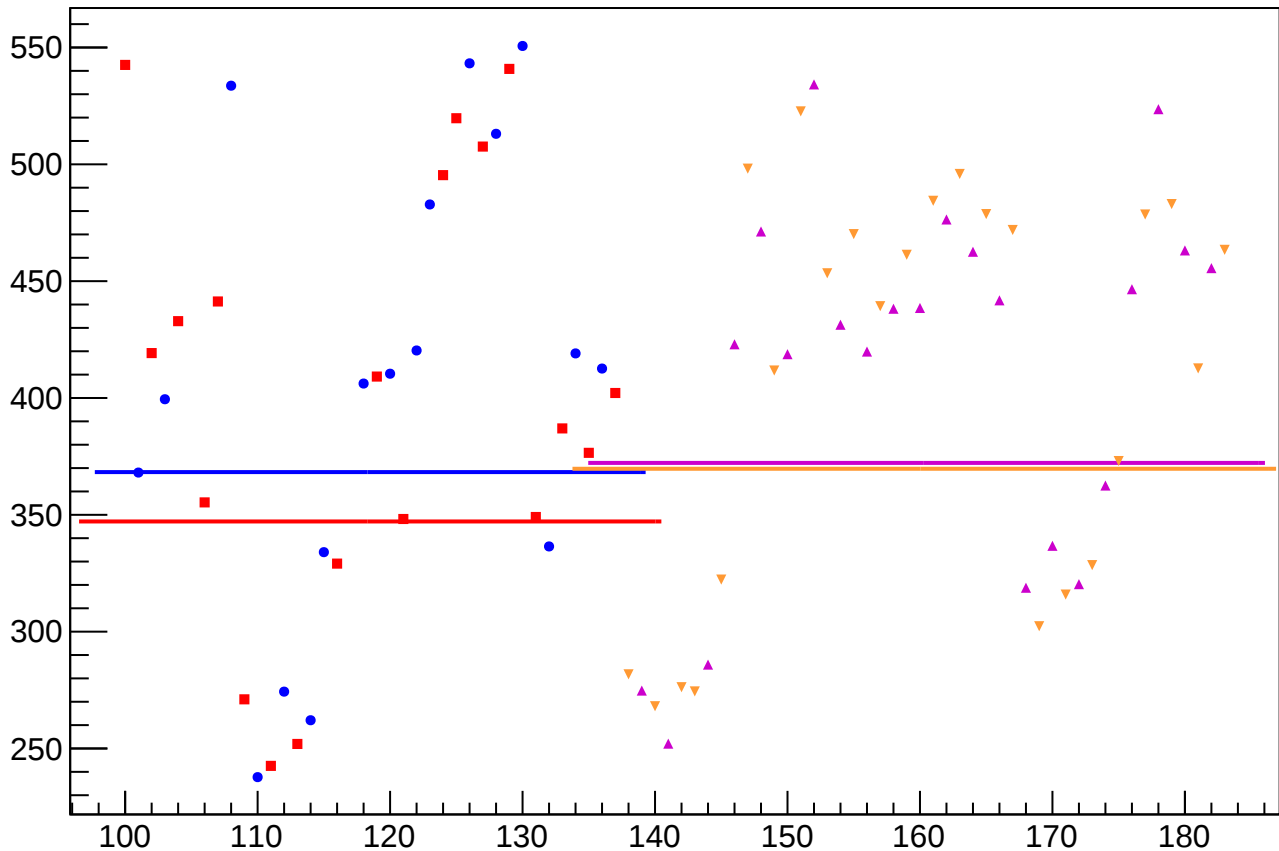
Left In: -22.518 ± 92.876 χ^2/NDF : 362.3/21

+ sign 567.468 ± 76.541 χ^2/NDF : 714.7/40

All: 357.095 ± 54.163 χ^2/NDF : 1243.3/81

- sign 146.095 ± 76.655 χ^2/NDF : 513.5/40

asym_bpm0r05WS_rms vs Slug



Right In: 368.287+/-0.104 χ^2/NDF : 765418.4/16

Left Out: 369.711+/-0.063 χ^2/NDF : 1857257.1/23

Right Out: 347.159+/-0.096 χ^2/NDF : 816304.3/18

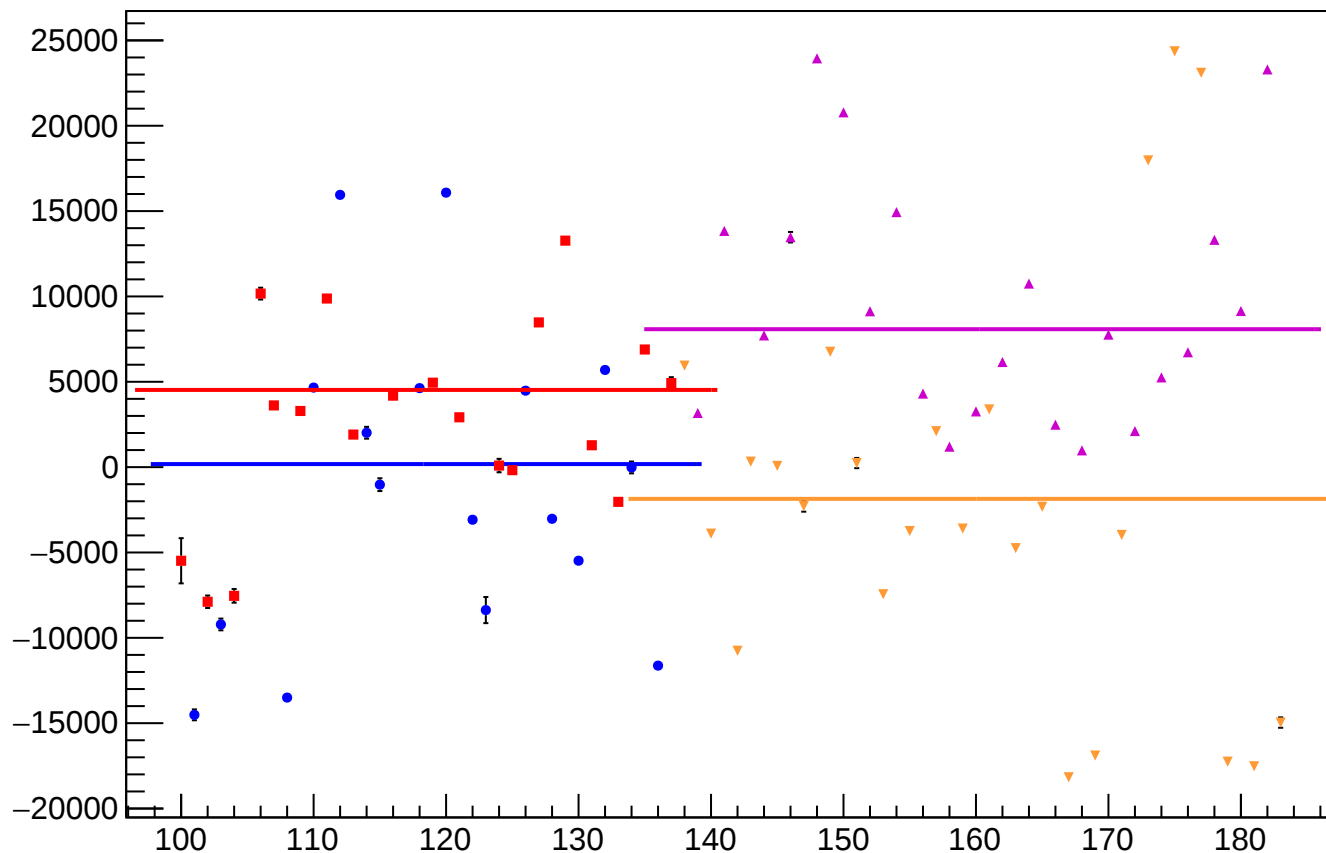
Left In: 372.217+/-0.066 χ^2/NDF : 1618600.5/21

+ sign 369.328+/-0.054 χ^2/NDF : 2622811.5/40

All: 366.782+/-0.038 χ^2/NDF : 5108565.1/81

- sign 364.228+/-0.054 χ^2/NDF : 2481321.2/40

asym_bpm0i02WS_mean vs Slug



Right In: 178.788+/-54.896 χ^2/NDF : 30662.2/16

Left Out: -1857.921+/-42.591 χ^2/NDF : 62482.2/23

Right Out: 4523.222+/-52.440 χ^2/NDF : 7474.2/18

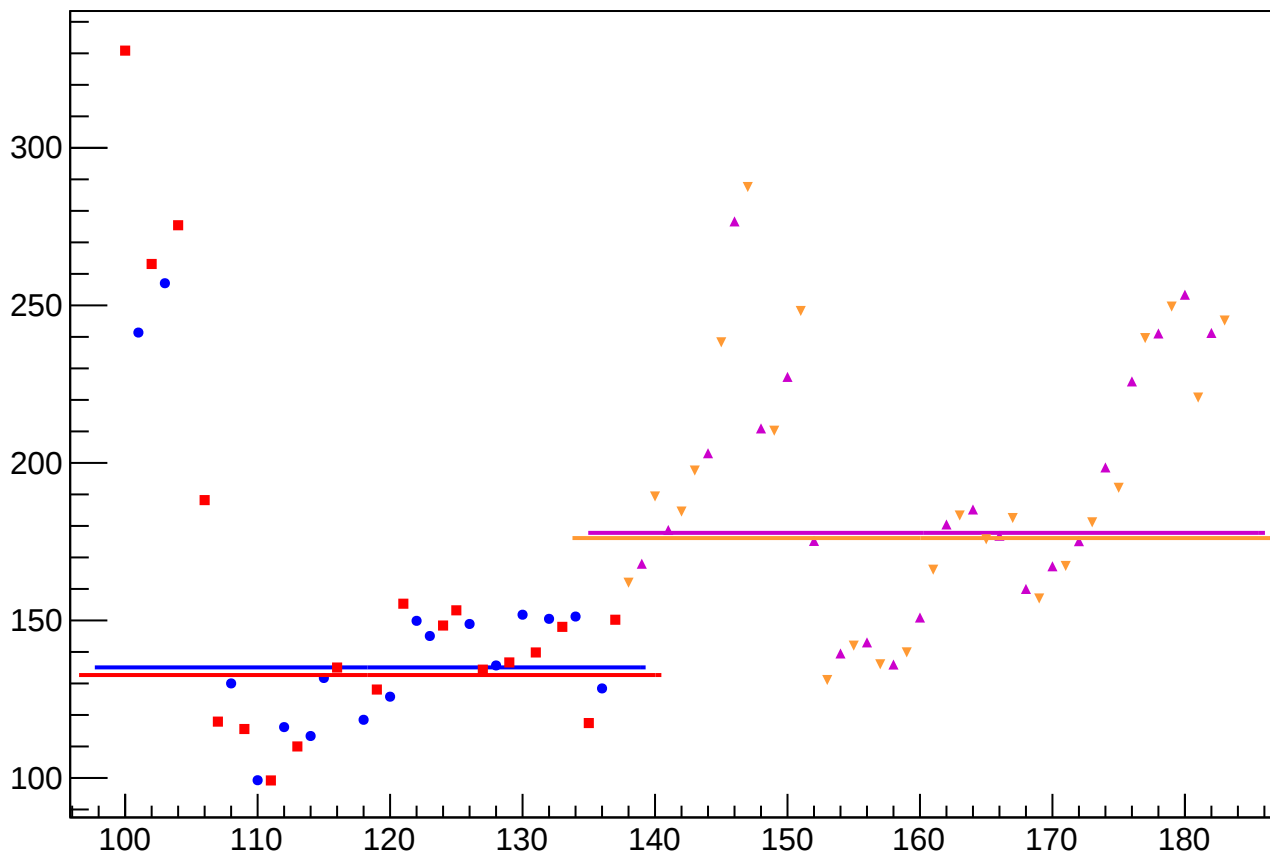
Left In: 8080.764+/-44.505 χ^2/NDF : 20820.0/21

+ sign -1092.624+/-33.651 χ^2/NDF : 94003.6/40

All: 2717.346+/-23.893 χ^2/NDF : 150826.2/81

- sign 6591.249+/-33.932 χ^2/NDF : 30969.6/40

asym_bpm0i02WS_rms vs Slug



Right In: 135.099+/-0.039 χ^2/NDF : 657657.4/16

Left Out: 176.144+/-0.030 χ^2/NDF :1515739.9/23

Right Out: 132.672+/-0.037 χ^2/NDF : 828363.1/18

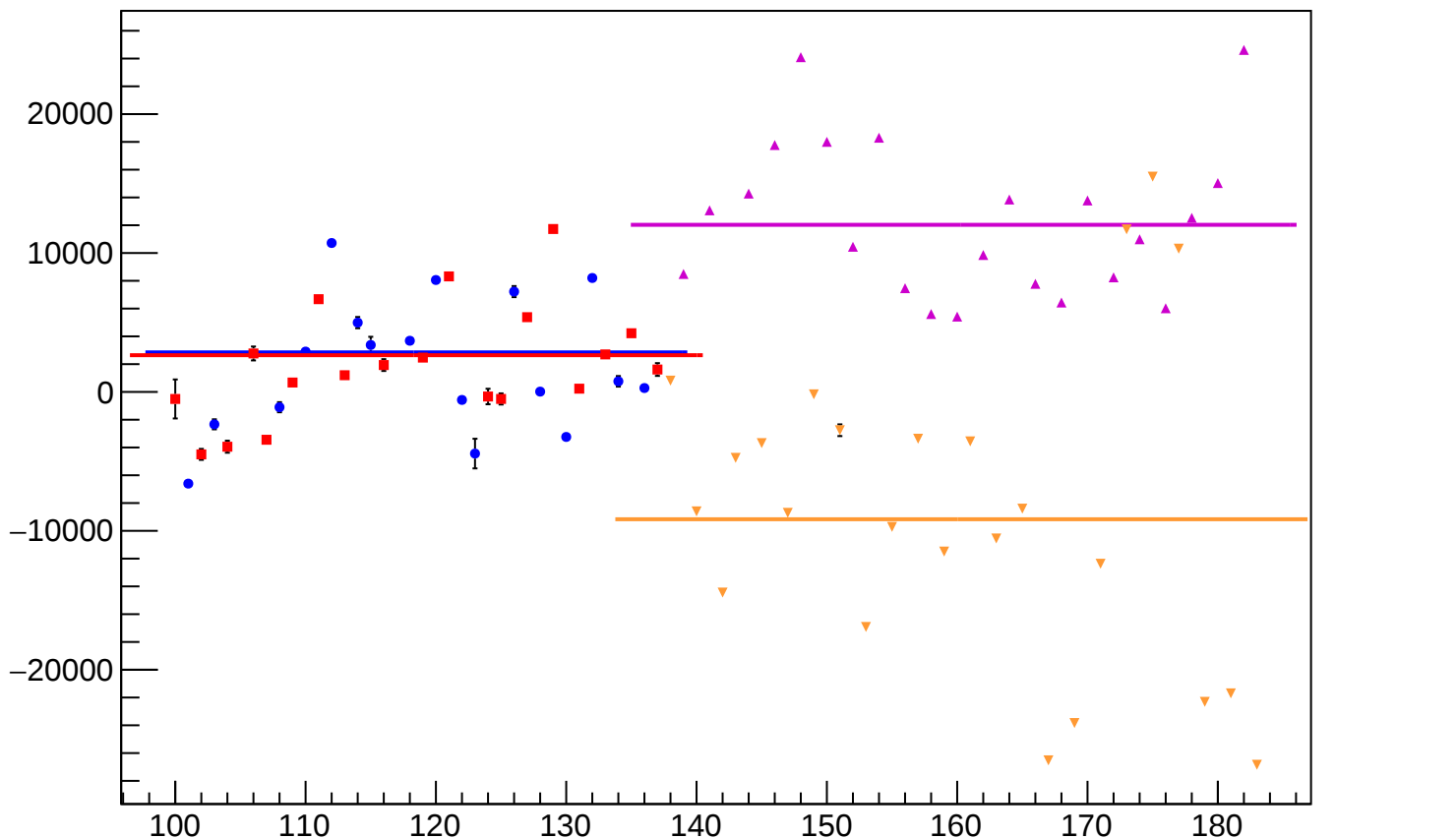
Left In: 177.798+/-0.031 χ^2/NDF :1251799.6/21

+ sign 160.721+/-0.024 χ^2/NDF : 2871369.2/40

All: 159.820+/-0.017 χ^2/NDF : 5815344.5/81

- sign 158.904+/-0.024 χ^2/NDF : 2941082.9/40

asym_bpm0i02aWS_mean vs Slug



Right In: 2846.117+/-70.894 χ^2/NDF : 4160.1/16

Left Out: -9165.381+/-45.878 χ^2/NDF : 59866.5/23

Right Out: 2643.505+/-65.711 χ^2/NDF : 3177.7/18

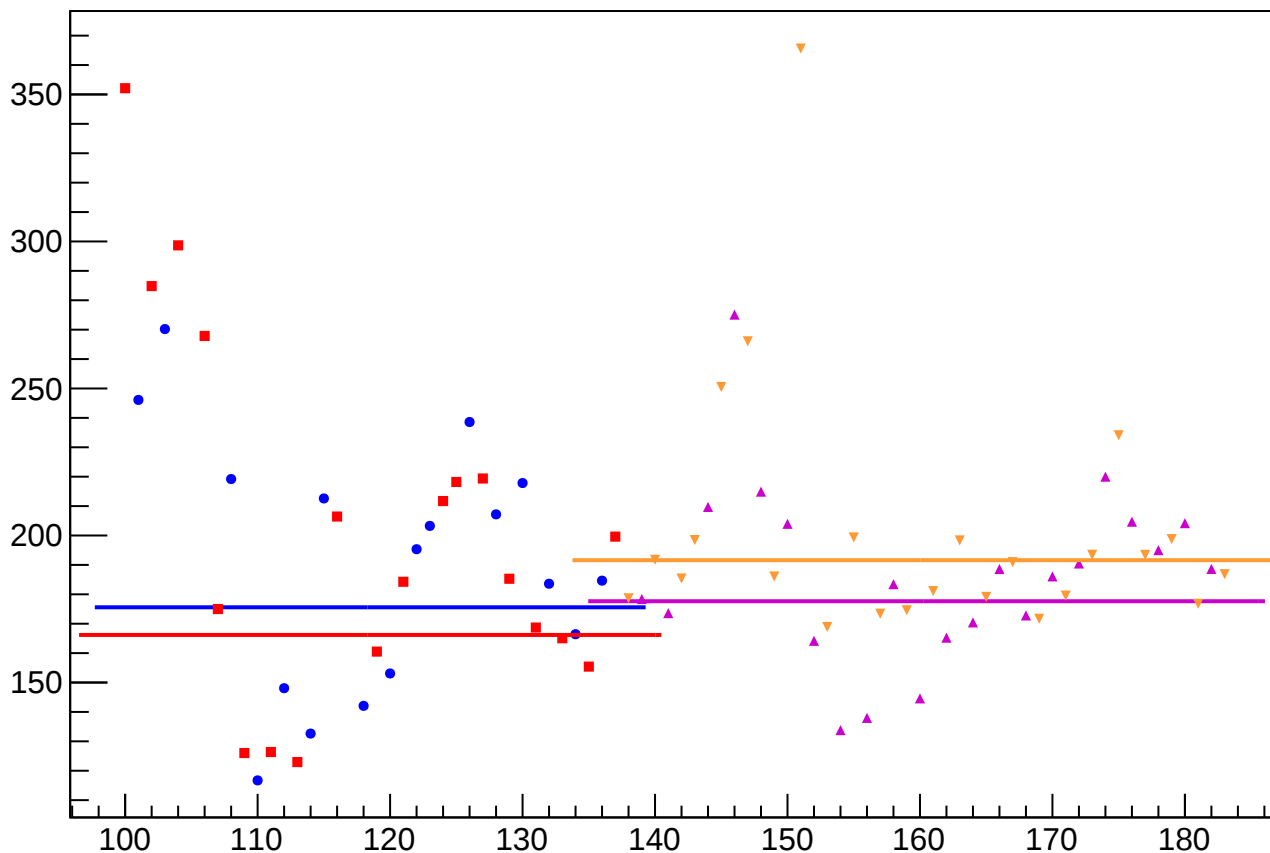
Left In: 12029.339+/-44.277 χ^2/NDF : 15072.4/21

+ sign -5619.915+/-38.517 χ^2/NDF : 84259.4/40

All: 2090.731+/-26.577 χ^2/NDF : 193039.9/8

- sign 9098.545+/-36.719 χ^2/NDF : 32281.3/40

asym_bpm0i02aWS_rms vs Slug



Right In: 175.582 $\pm$ 0.050 χ^2 /NDF: 687852.4/16

Left Out: 191.600 $\pm$ 0.032 χ^2 /NDF: 726699.4/23

Right Out: 166.180 $\pm$ 0.046 χ^2 /NDF: 925559.0/18

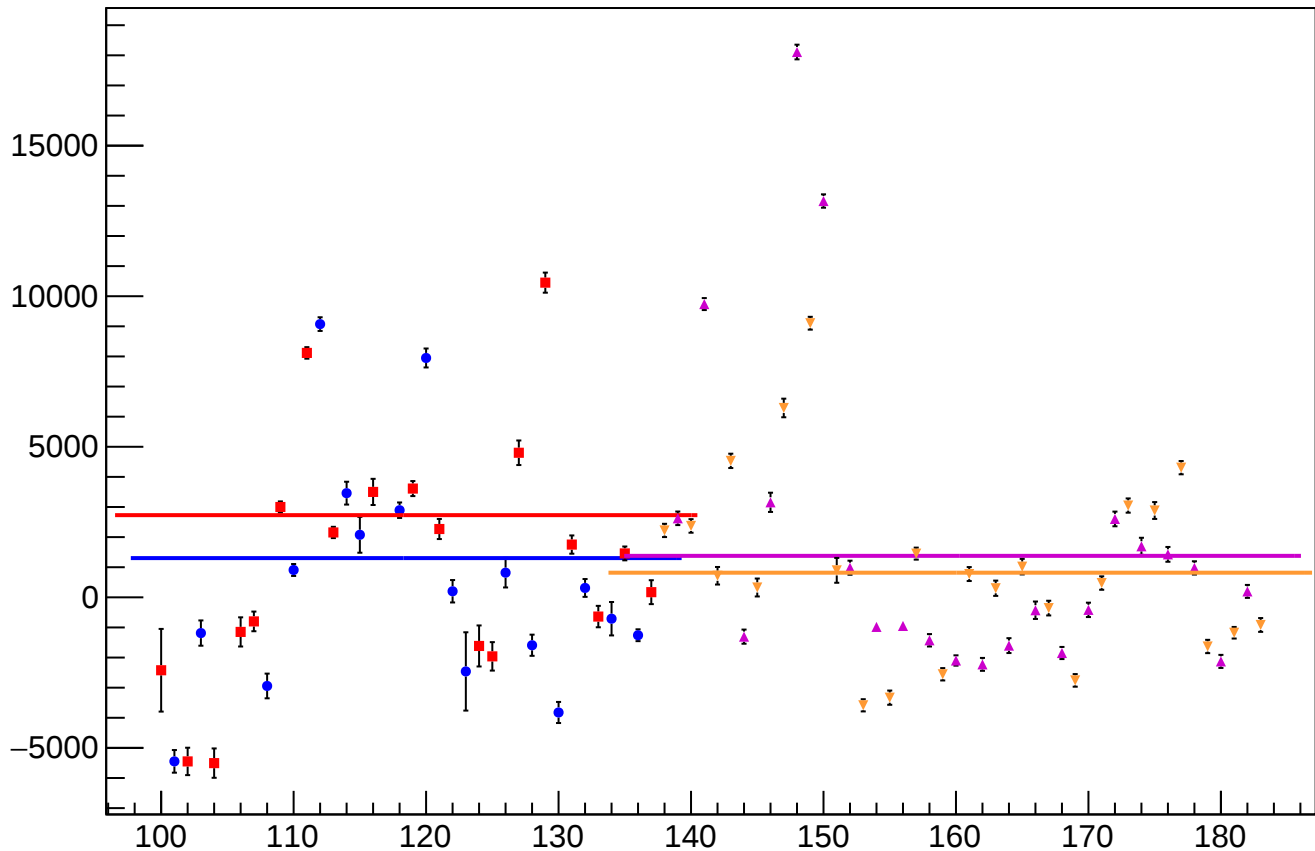
Left In: 177.645 $\pm$ 0.031 χ^2 /NDF: 860379.4/21

+ sign 186.872 $\pm$ 0.027 χ^2 /NDF: 1486515.7/40

All: 180.163 $\pm$ 0.019 χ^2 /NDF: 3430161.3/81

- sign 174.065 $\pm$ 0.026 χ^2 /NDF: 1827812.2/40

asym_bpm0i05WS_mean vs Slug



Right In: 1302.950 ± 77.323 $\chi^2/\text{NDF}: 2649.9/16$

Left Out: 818.404 ± 47.853 $\chi^2/\text{NDF}: 4221.6/23$

Right Out: 2729.355 ± 70.012 $\chi^2/\text{NDF}: 2497.2/18$

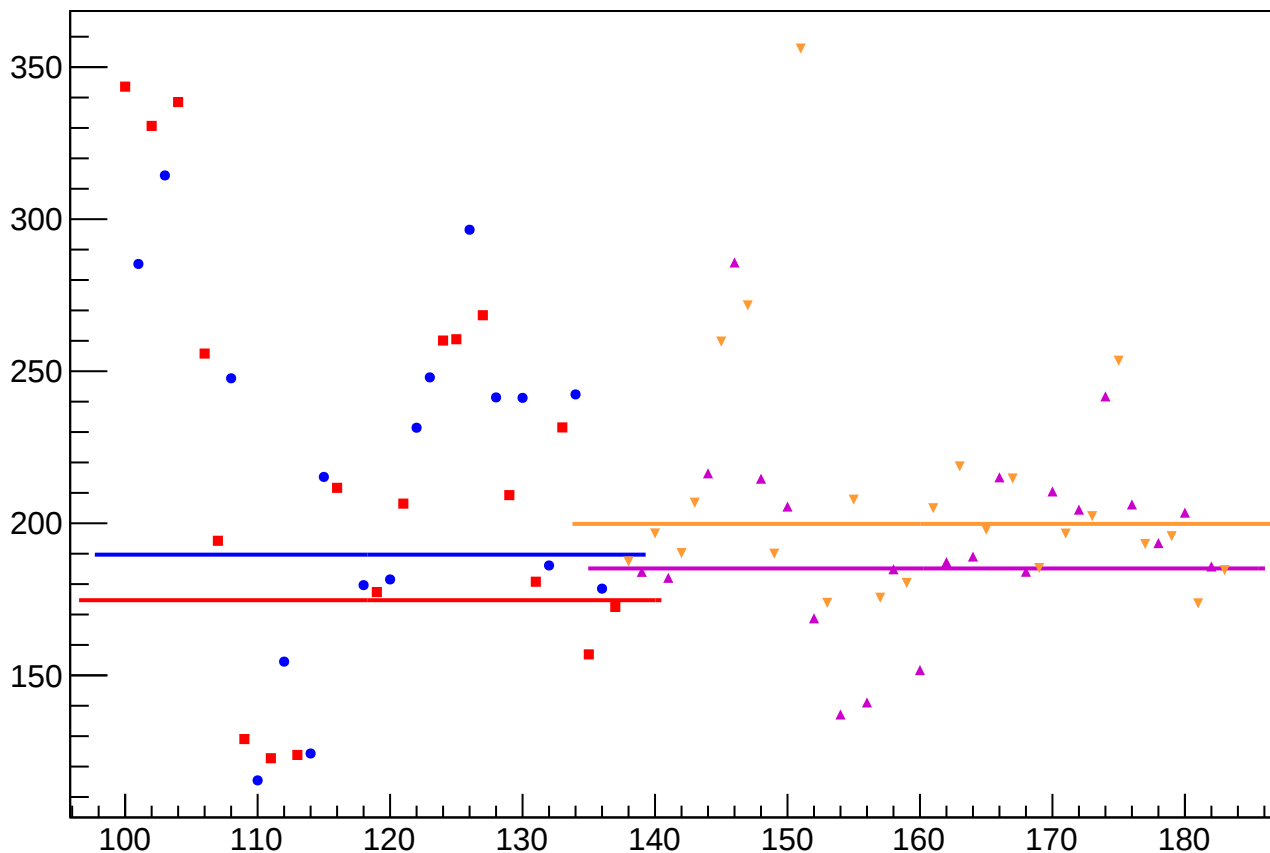
Left In: 1377.862 ± 46.195 $\chi^2/\text{NDF}: 11626.7/21$

+ sign 952.591 ± 40.691 $\chi^2/\text{NDF}: 6899.9/40$

All: 1392.650 ± 27.988 $\chi^2/\text{NDF}: 21505.3/81$

- sign 1787.784 ± 38.558 $\chi^2/\text{NDF}: 14383.5/40$

asym_bpm0i05WS_rms vs Slug



Right In: 189.687 $\pm$ 0.055 χ^2 /NDF: 977199.2/16

Left Out: 199.807 $\pm$ 0.034 χ^2 /NDF: 725759.8/23

Right Out: 174.707 $\pm$ 0.050 χ^2 /NDF: 1291115.5/18

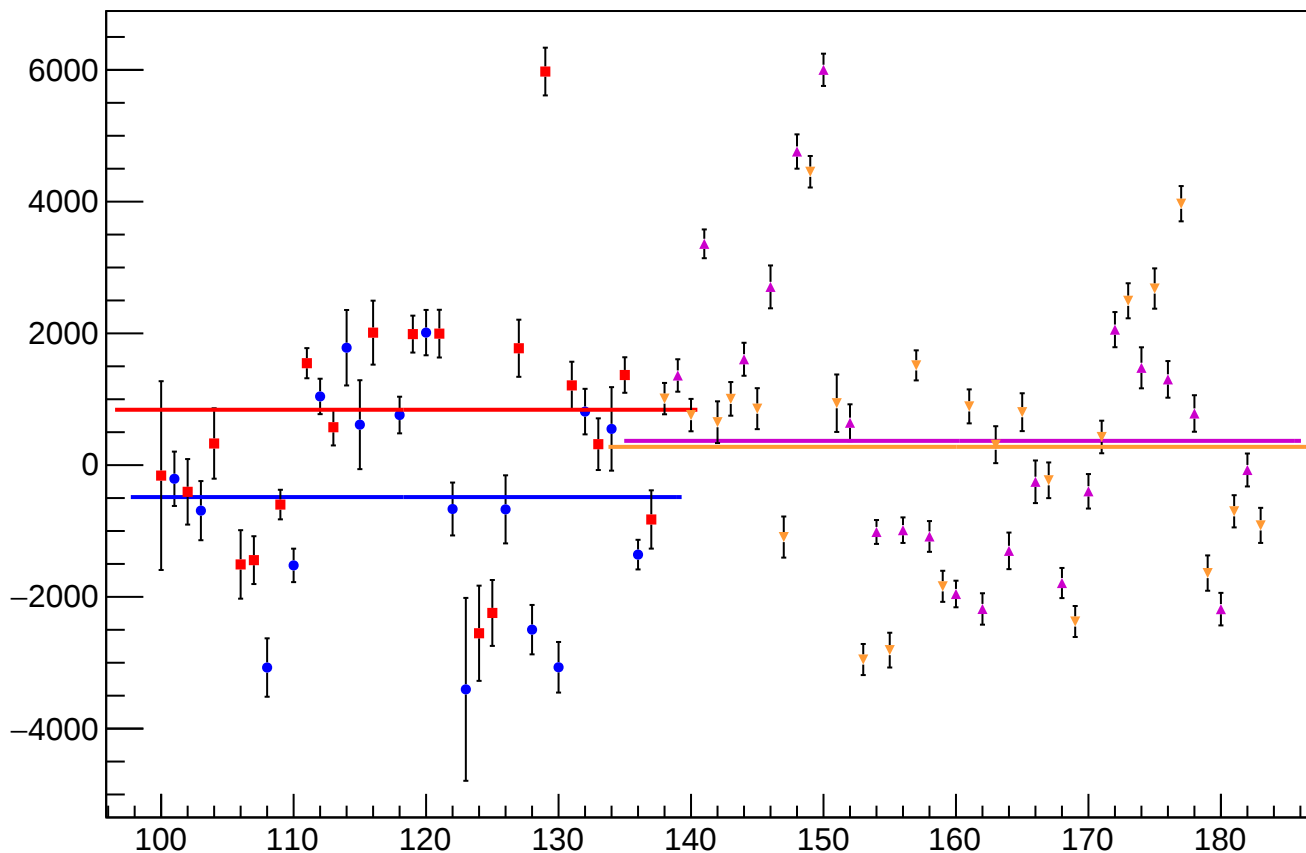
Left In: 185.148 $\pm$ 0.033 χ^2 /NDF: 882723.8/21

+ sign 197.005 $\pm$ 0.029 χ^2 /NDF: 1727731.6/40

All: 189.089 $\pm$ 0.020 χ^2 /NDF: 4076209.4/81

- sign 181.981 $\pm$ 0.027 χ^2 /NDF: 2204830.5/40

asym_bpm0i07WS_mean vs Slug



Right In: -485.036 ± 88.788 χ^2/NDF : 285.3/16

Left Out: 277.185 ± 53.942 χ^2/NDF : 1334.4/23

Right Out: 840.594 ± 82.233 χ^2/NDF : 438.2/18

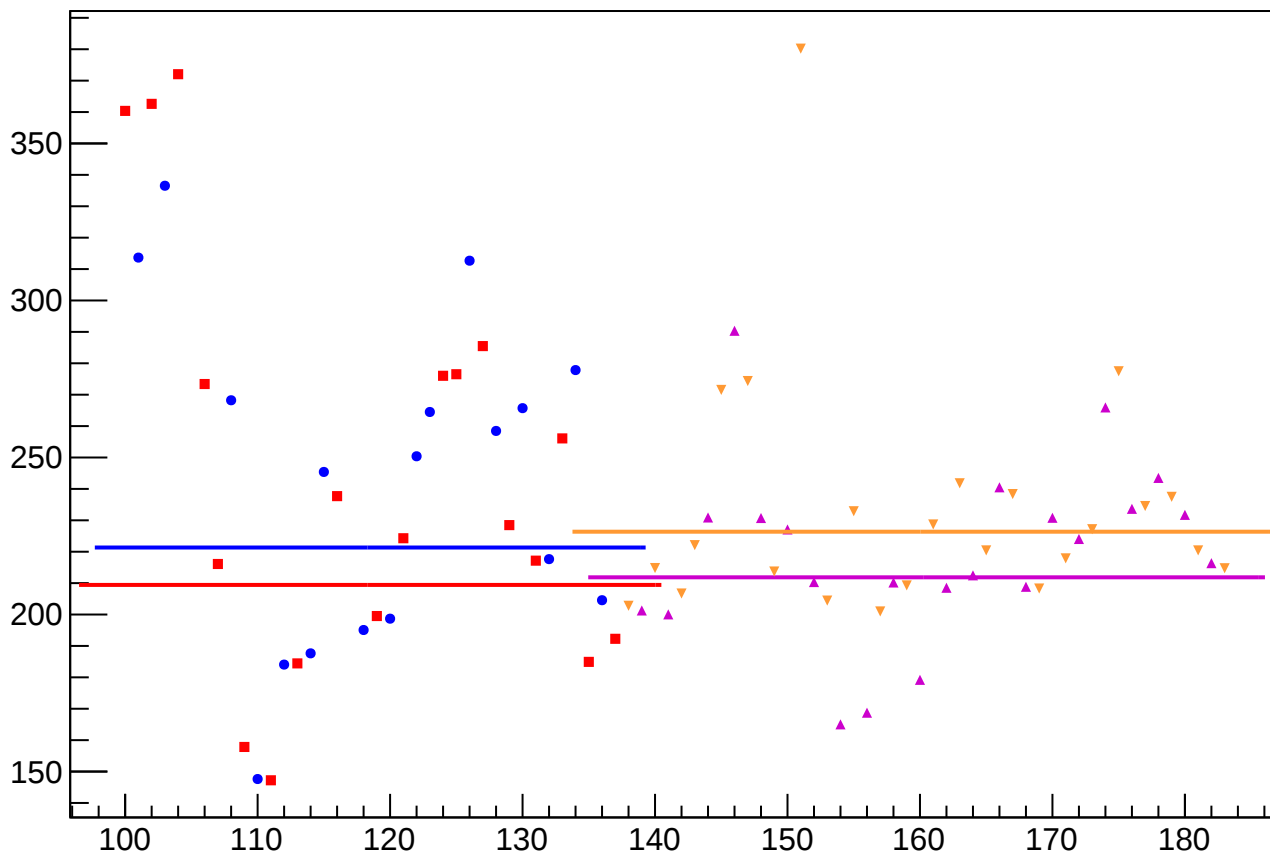
Left In: 368.397 ± 52.462 χ^2/NDF : 1800.3/21

+ sign 71.695 ± 46.101 χ^2/NDF : 1673.5/40

All: 297.324 ± 31.916 χ^2/NDF : 3981.5/81

- sign 504.990 ± 44.228 χ^2/NDF : 2261.9/40

asym_bpm0i07WS_rms vs Slug



Right In: 221.339 $\pm$ 0.063 χ^2 /NDF: 645507.4/16

Left Out: 226.374 $\pm$ 0.038 χ^2 /NDF: 520910.5/23

Right Out: 209.428 $\pm$ 0.058 χ^2 /NDF: 879292.0/18

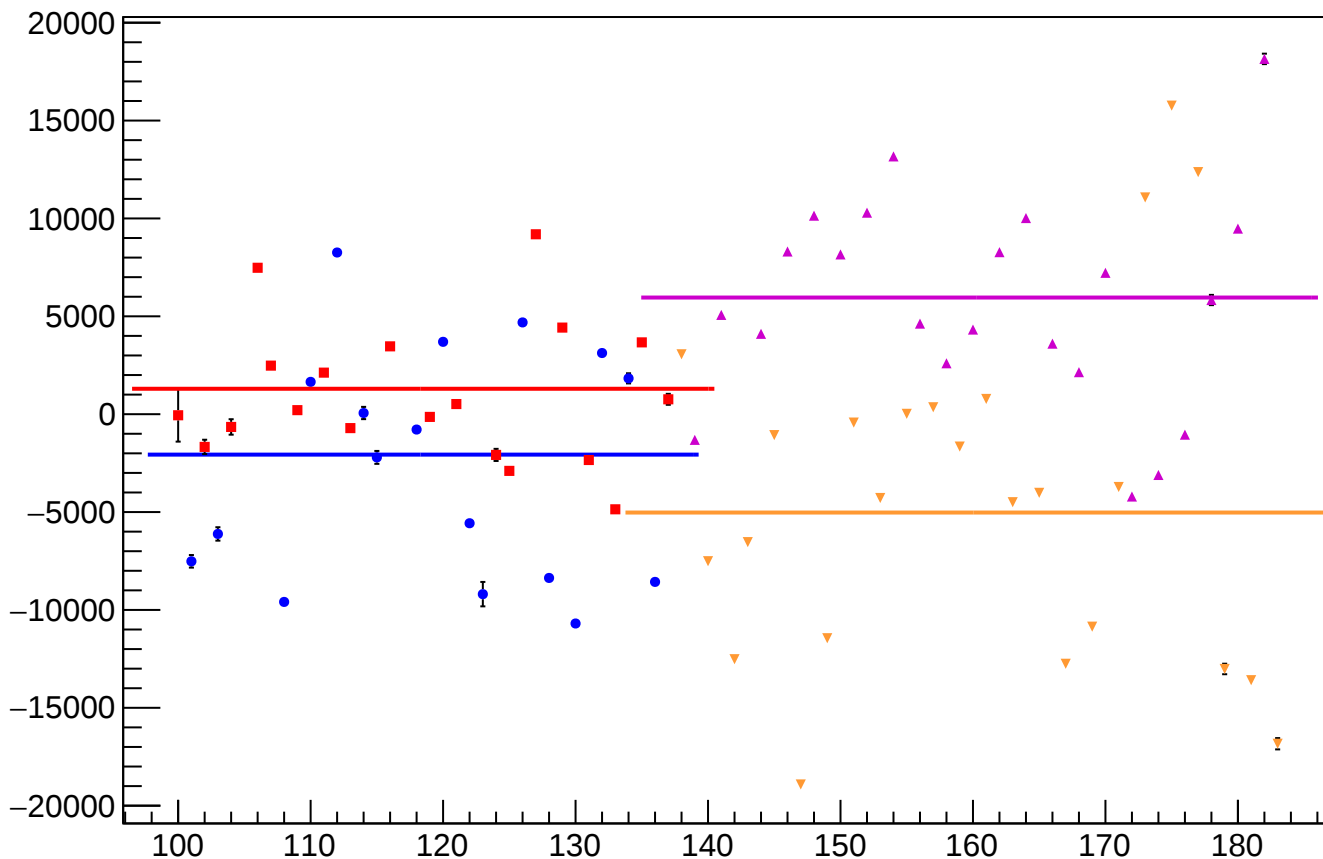
Left In: 211.849 $\pm$ 0.037 χ^2 /NDF: 583668.2/21

+ sign 225.017 $\pm$ 0.033 χ^2 /NDF: 1171115.7/40

All: 217.795 $\pm$ 0.023 χ^2 /NDF: 2729547.2/81

- sign 211.149 $\pm$ 0.031 χ^2 /NDF: 1464192.8/40

asym_bpm1i02WS_mean vs Slug



Right In: -2065.524+/-47.407 χ^2/NDF : 16535.7/16

Left Out: -5024.345+/-33.793 χ^2/NDF : 53563.3/23

Right Out: 1298.632+/-44.980 χ^2/NDF : 5909.5/18

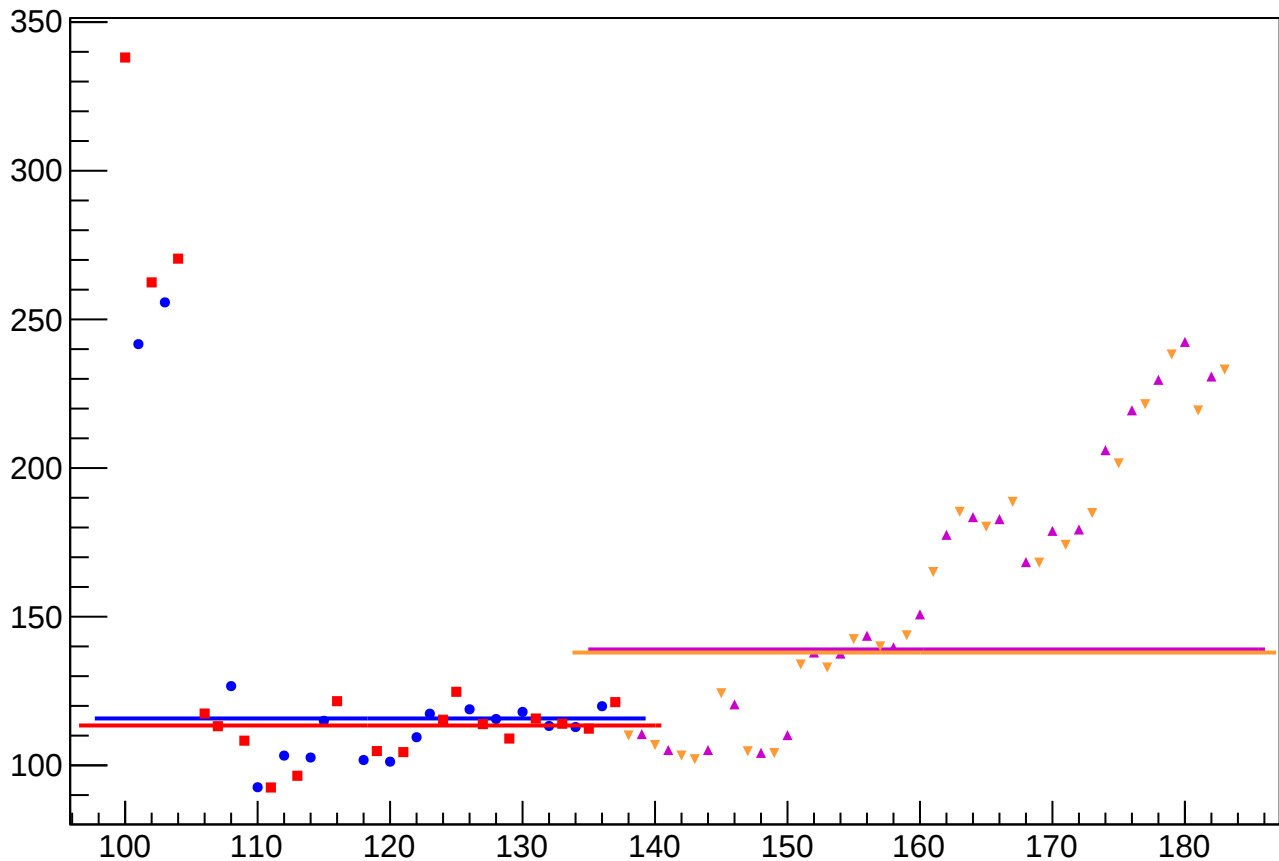
Left In: 5959.069+/-35.108 χ^2/NDF : 16427.9/21

+ sign -4027.439+/-27.517 χ^2/NDF : 72681.9/40

All: 60.108+/-19.513 χ^2/NDF : 146075.1/81

- sign 4194.756+/-27.676 χ^2/NDF : 29008.5/40

asym_bpm1i02WS_rms vs Slug



Right In: 115.768 $\pm$ 0.034 χ^2 /NDF: 743657.8/16

Left Out: 137.946 $\pm$ 0.024 χ^2 /NDF: 2470269.8/23

Right Out: 113.410 $\pm$ 0.032 χ^2 /NDF: 795303.3/18

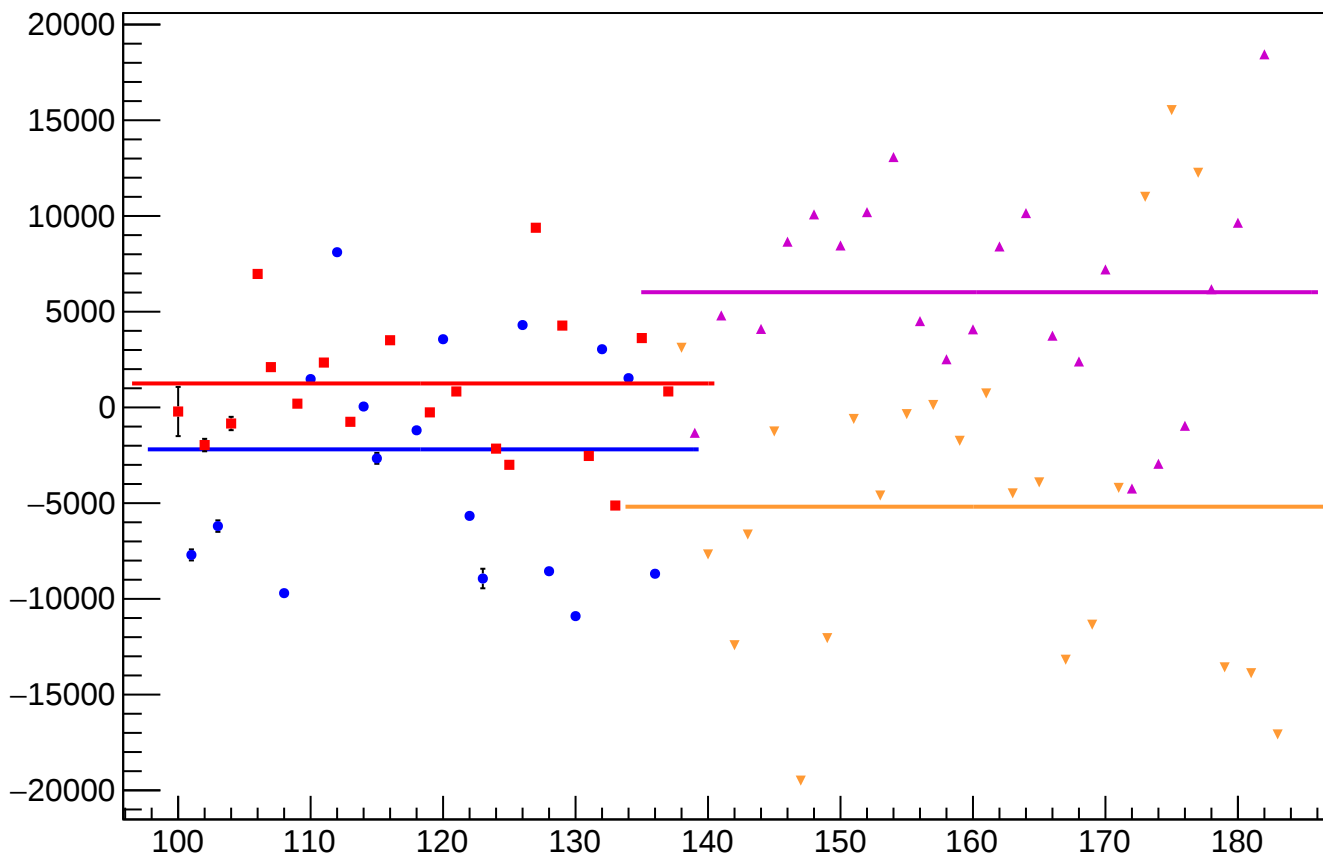
Left In: 138.984 $\pm$ 0.025 χ^2 /NDF: 2321806.0/21

+ sign 130.474 $\pm$ 0.019 χ^2 /NDF: 3504177.9/40

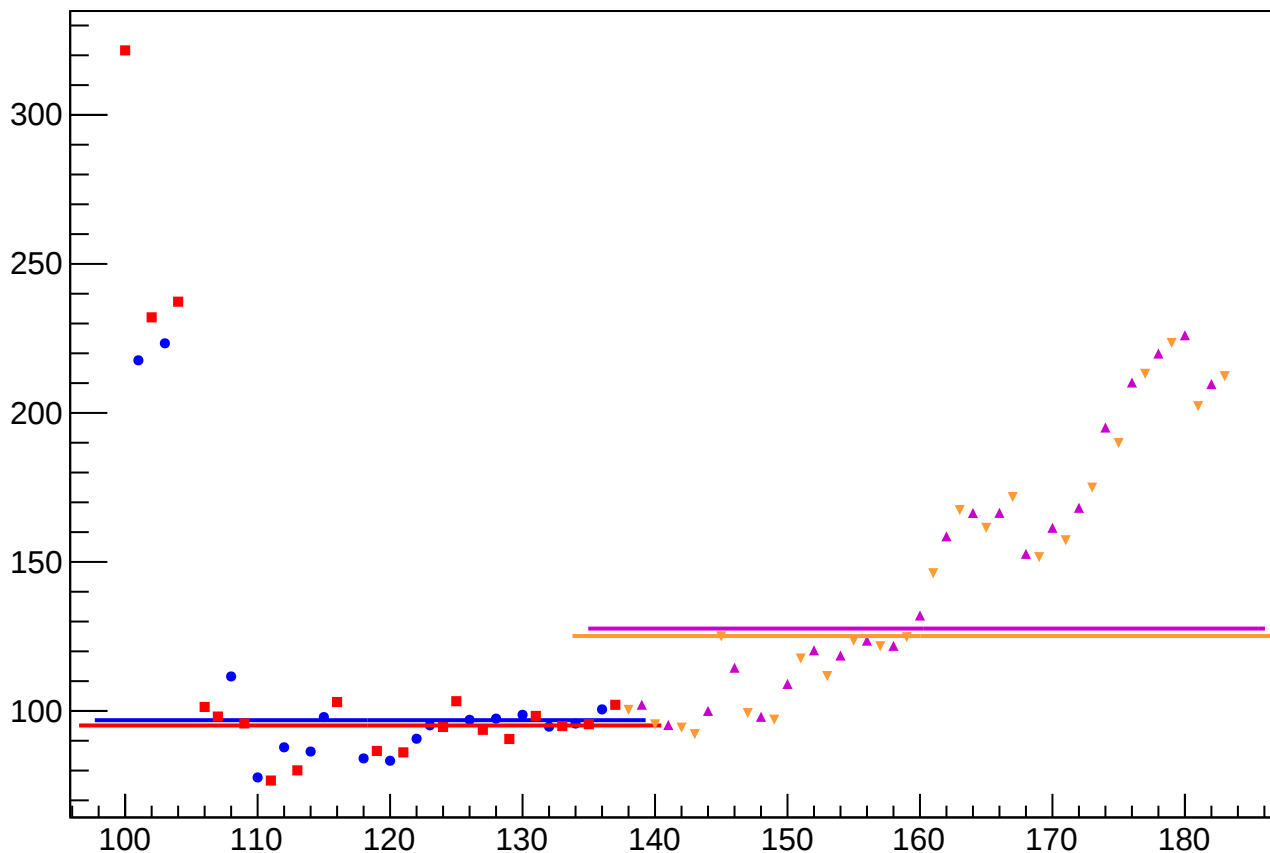
All: 129.891 $\pm$ 0.014 χ^2 /NDF: 7024841.8/81

- sign 129.302 $\pm$ 0.020 χ^2 /NDF: 3518861.9/40

asym_bpm1i04WS_mean vs Slug



asym_bpm1i04WS_rms vs Slug



Right In: 96.898+/-0.028 χ^2/NDF : 817255.1/16

Left Out: 125.129+/-0.022 χ^2/NDF : 2513824.9/23

Right Out: 95.130+/-0.027 χ^2/NDF : 858457.3/18

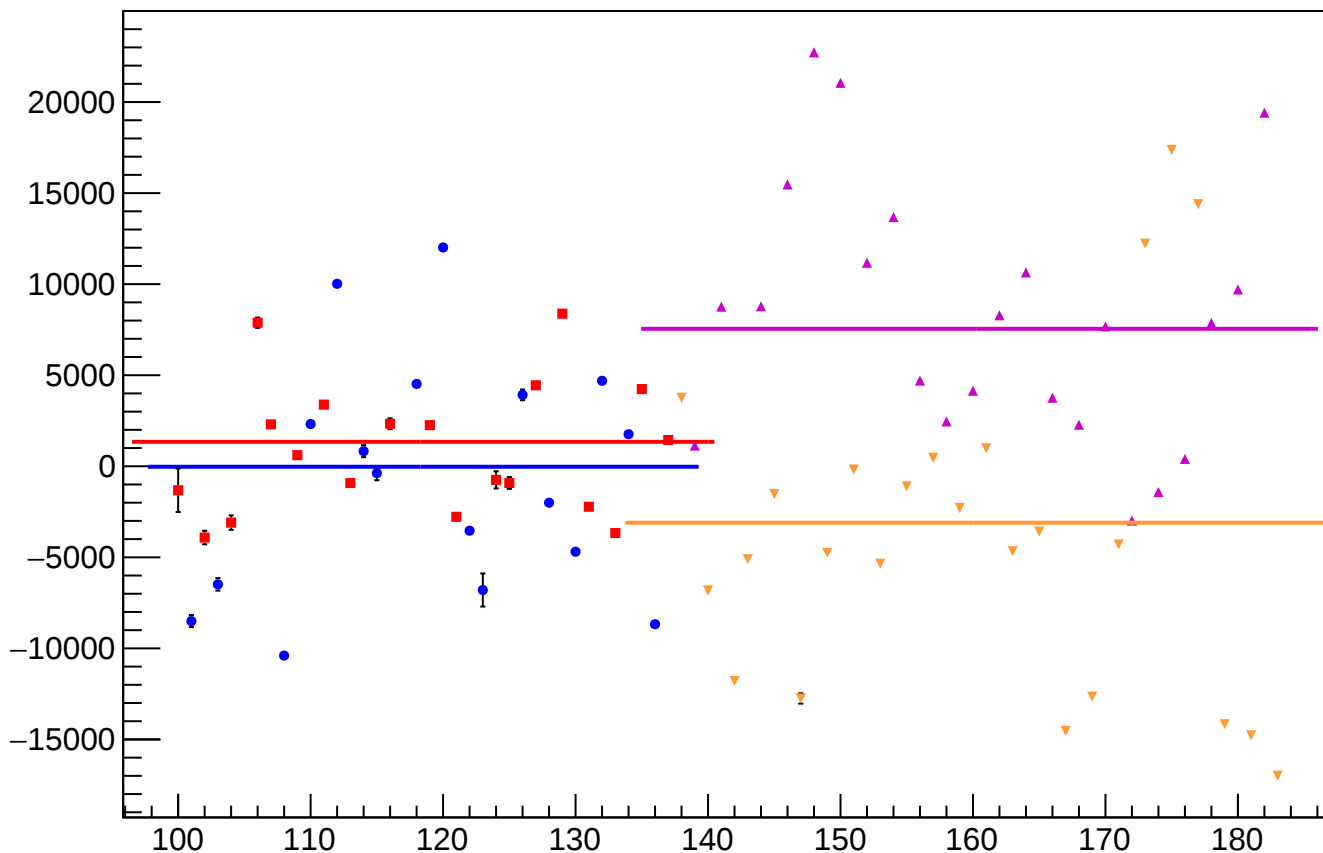
Left In: 127.640+/-0.023 χ^2/NDF : 2241733.2/21

+ sign 114.666+/-0.017 χ^2/NDF : 3957821.8/40

All: 114.362+/-0.012 χ^2/NDF : 7909363.1/81

- sign 114.051+/-0.017 χ^2/NDF : 3950910.2/40

asym_bpm1i06WS_mean vs Slug



Right In: -27.457+/-54.732 χ^2/NDF : 16364.6/16

Left Out: -3100.101+/-40.754 χ^2/NDF : 35435.7/23

Right Out: 1343.122+/-52.343 χ^2/NDF : 3846.7/18

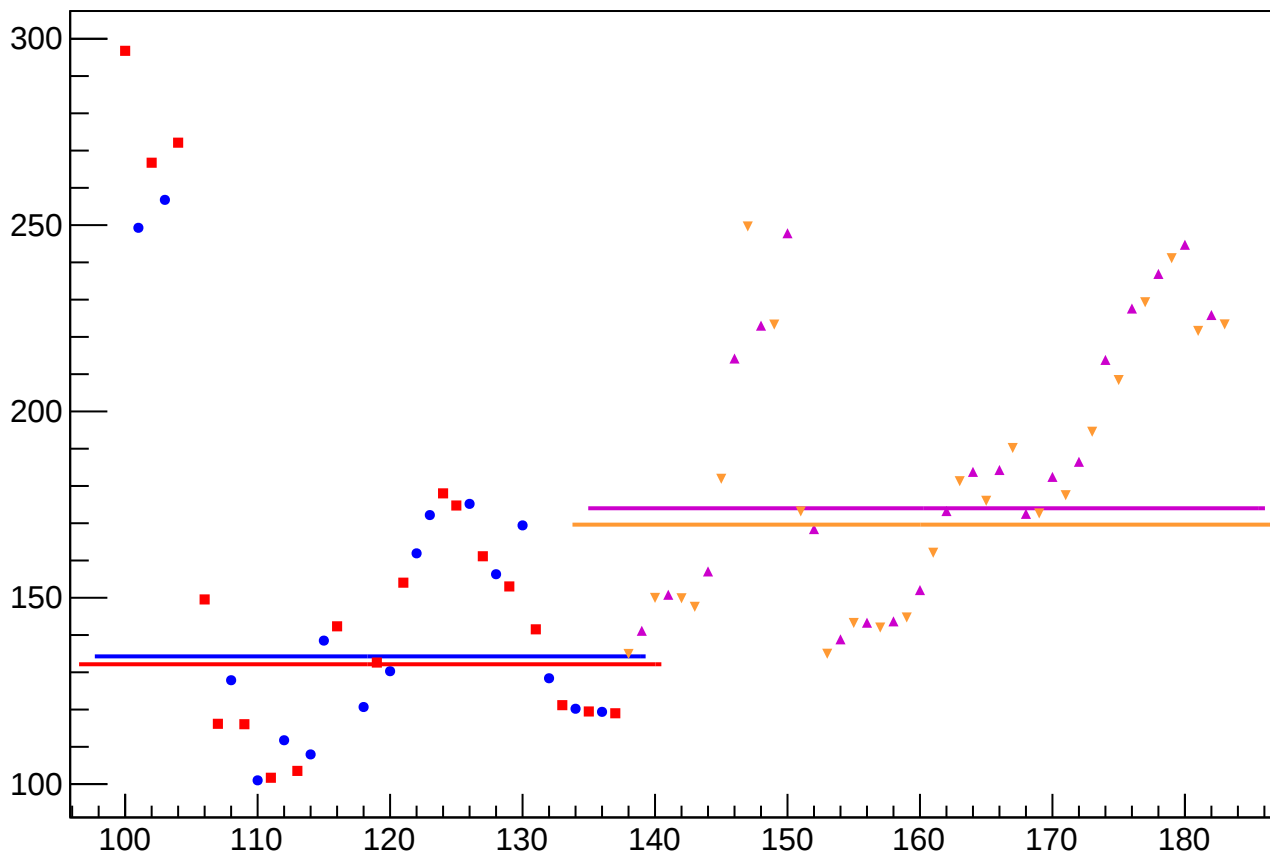
Left In: 7549.024+/-43.209 χ^2/NDF : 19947.7/21

+ sign -2004.143+/-32.688 χ^2/NDF : 53827.8/40

All: 1447.220+/-23.335 χ^2/NDF : 108716.3/81

- sign 5033.928+/-33.322 χ^2/NDF : 32154.3/40

asym_bpm1i06WS_rms vs Slug



Right In: 134.270 $\pm$ 0.039 χ^2 /NDF: 787098.5/16

Left Out: 169.623 $\pm$ 0.029 χ^2 /NDF:1214762.6/23

Right Out: 132.155 $\pm$ 0.037 χ^2 /NDF: 865020.1/18

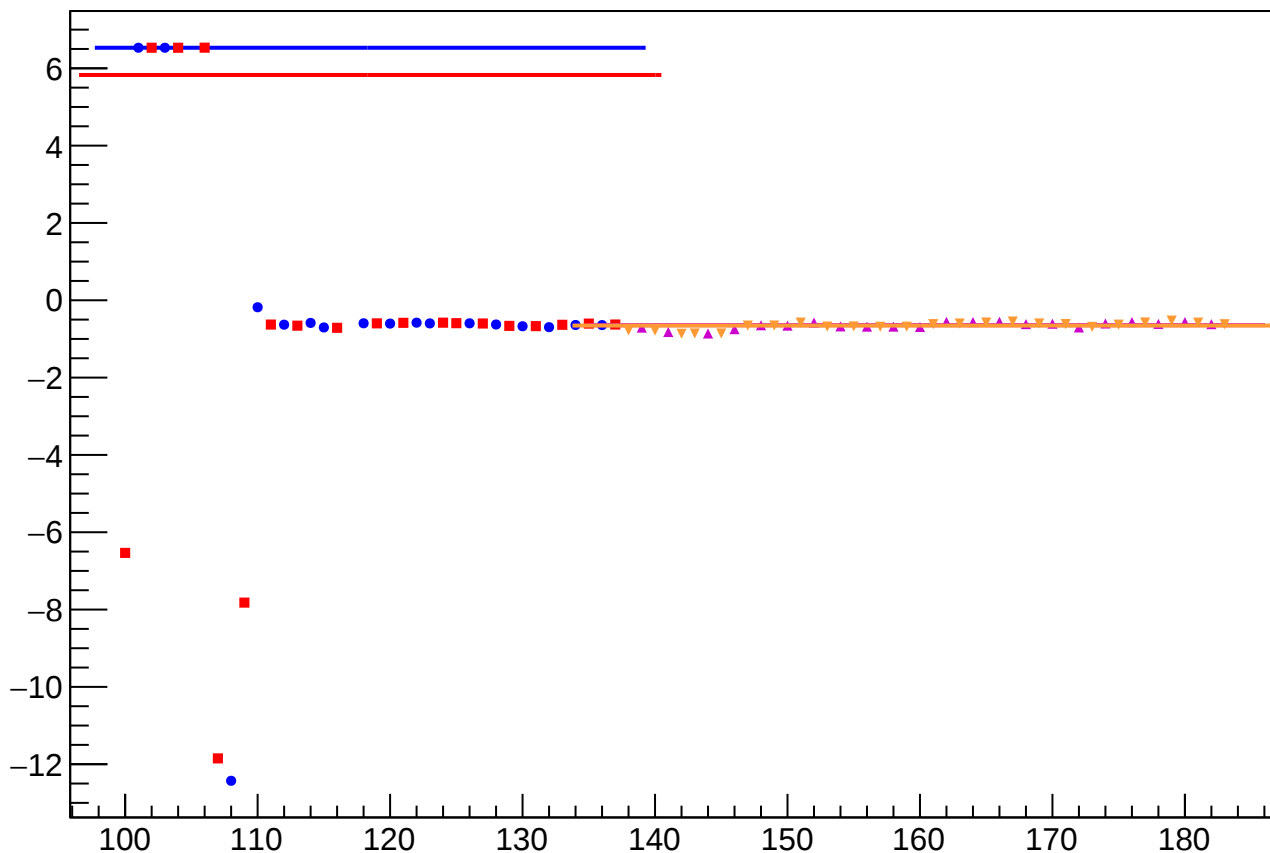
Left In: 174.015 $\pm$ 0.031 χ^2 /NDF:1181054.0/21

+ sign 157.013 $\pm$ 0.023 χ^2 /NDF: 2538670.9/40

All: 157.031 $\pm$ 0.017 χ^2 /NDF: 5345492.4/81

- sign 157.050 $\pm$ 0.024 χ^2 /NDF: 2806820.2/40

yield_cav4bX_mean vs Slug



Right In: 6.532 +/- 0.000 χ^2/NDF : 127565119308.7/16

Left Out: -0.654 +/- 0.000 χ^2/NDF : 179099118.3/23

Right Out: 5.827 +/- 0.000 χ^2/NDF : 755947318870738.2/18

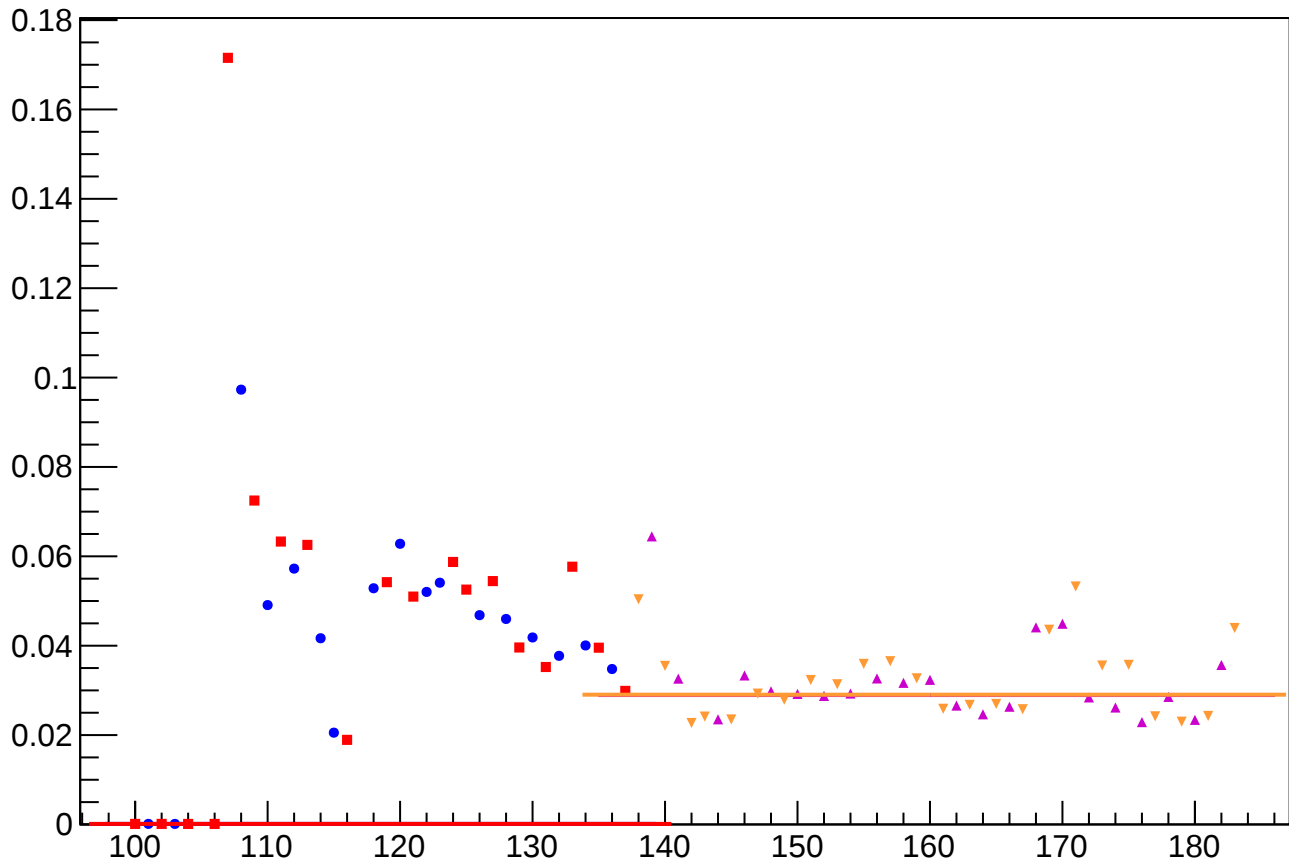
Left In: -0.644 +/- 0.000 χ^2/NDF : 122799194.6/21

+ sign 6.530 +/- 0.000 χ^2/NDF : 993208934077.3/40

All: 6.153 +/- 0.000 χ^2/NDF : 77758892046853

- sign 5.826 +/- 0.000 χ^2/NDF : 756612014679645.5/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9008104.3/16

Left Out: 0.029+/-0.000 χ^2/NDF :1445241.6/23

Right Out: 0.000+/-0.000 χ^2/NDF : 9347467.6/18

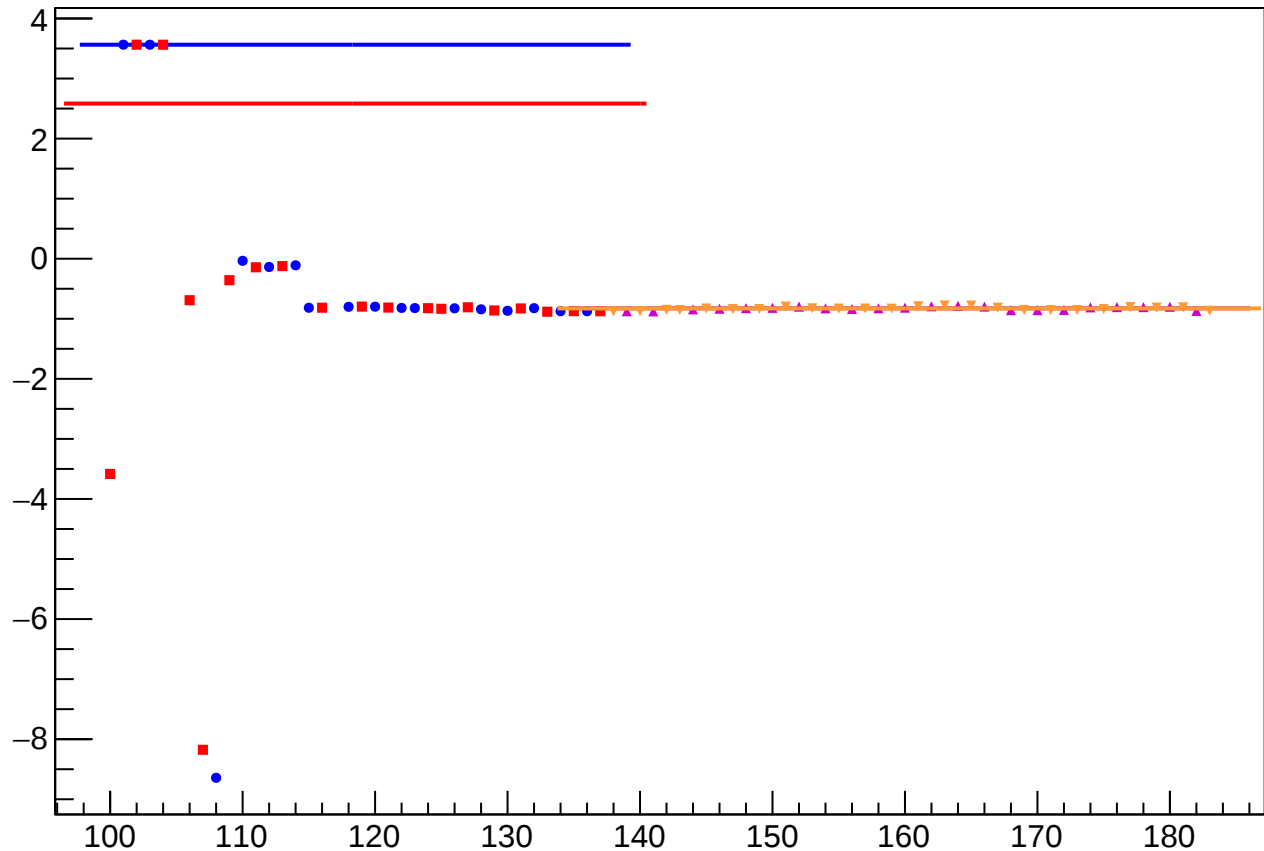
Left In: 0.029+/-0.000 χ^2/NDF :1143072.3/21

+ sign 0.000+/-0.000 χ^2/NDF : 38475299.9/40

All: 0.000+/-0.000 χ^2/NDF : 75351691.1/81

- sign 0.000+/-0.000 χ^2/NDF : 36875703.9/40

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 485019512048.0/16

Left Out: -0.827+/-0.000 χ^2/NDF : 165642256.5/23

Right Out: 2.583+/-0.000 χ^2/NDF : 1253504623679499.2/18

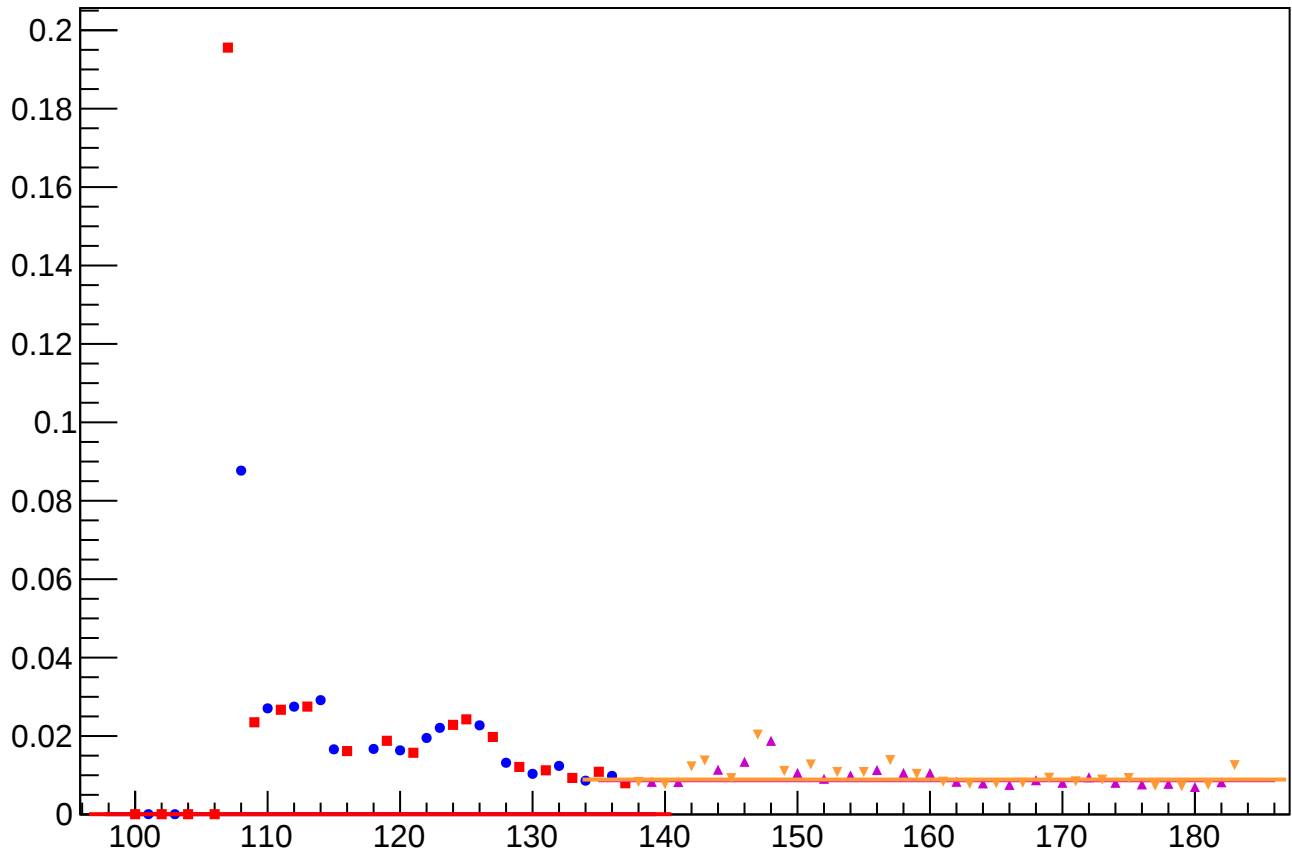
Left In: -0.826+/-0.000 χ^2/NDF : 166972041.9/21

+ sign 3.560+/-0.000 χ^2/NDF : 4131291870039.3/40

All: 3.038+/-0.000 χ^2/NDF : 13878853559483

- sign 2.581+/-0.000 χ^2/NDF : 1255678114113256.2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9814021.8/16

Left Out: 0.009+/-0.000 χ^2/NDF :1437049.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 9837255.2/18

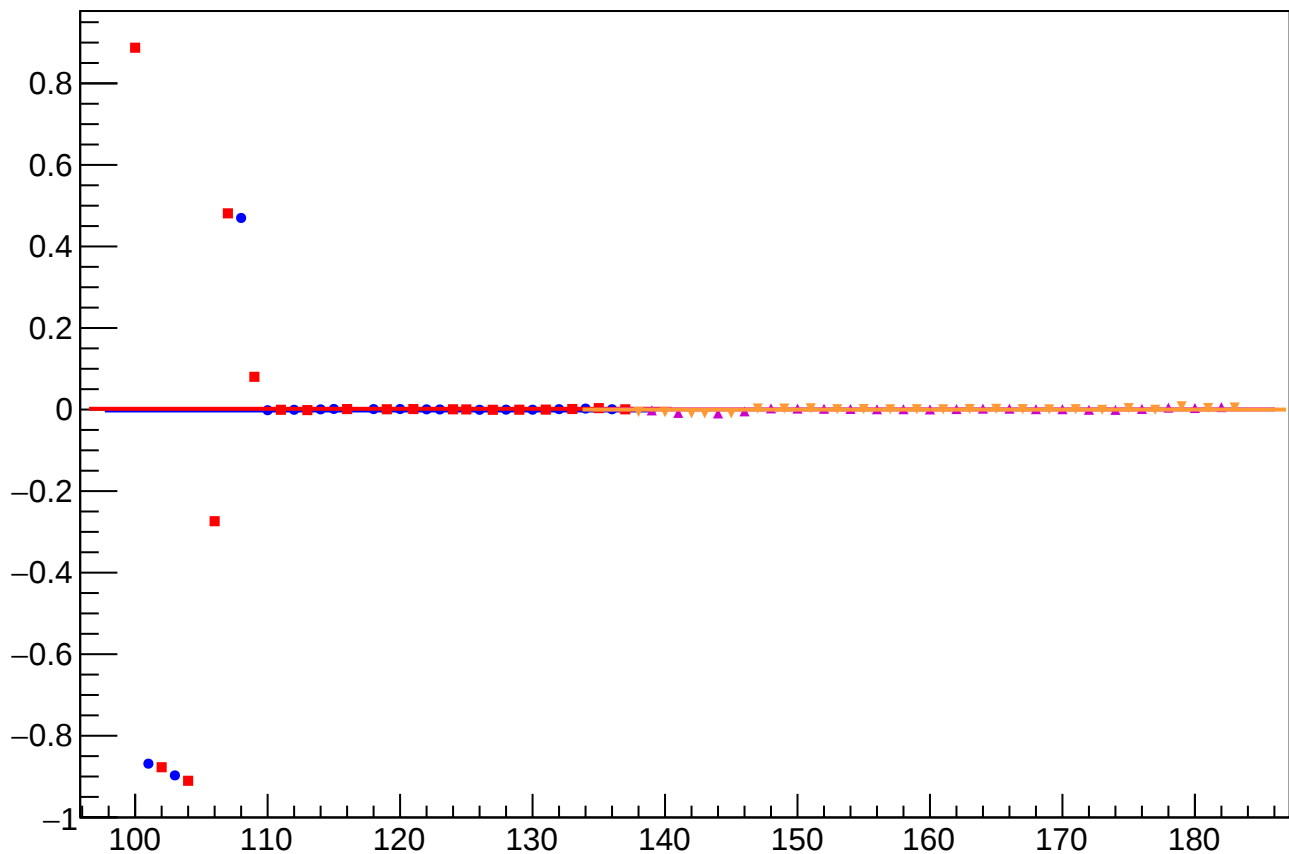
Left In: 0.009+/-0.000 χ^2/NDF :1024570.9/21

+ sign 0.000+/-0.000 χ^2/NDF : 40776623.8/40

All: 0.000+/-0.000 χ^2/NDF : 79659931.6/81

- sign 0.000+/-0.000 χ^2/NDF : 38882182.0/40

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9795455603.3/16

Left Out: -0.000 ± 0.000 χ^2/NDF : 151413792.8/23

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041330797.2/18

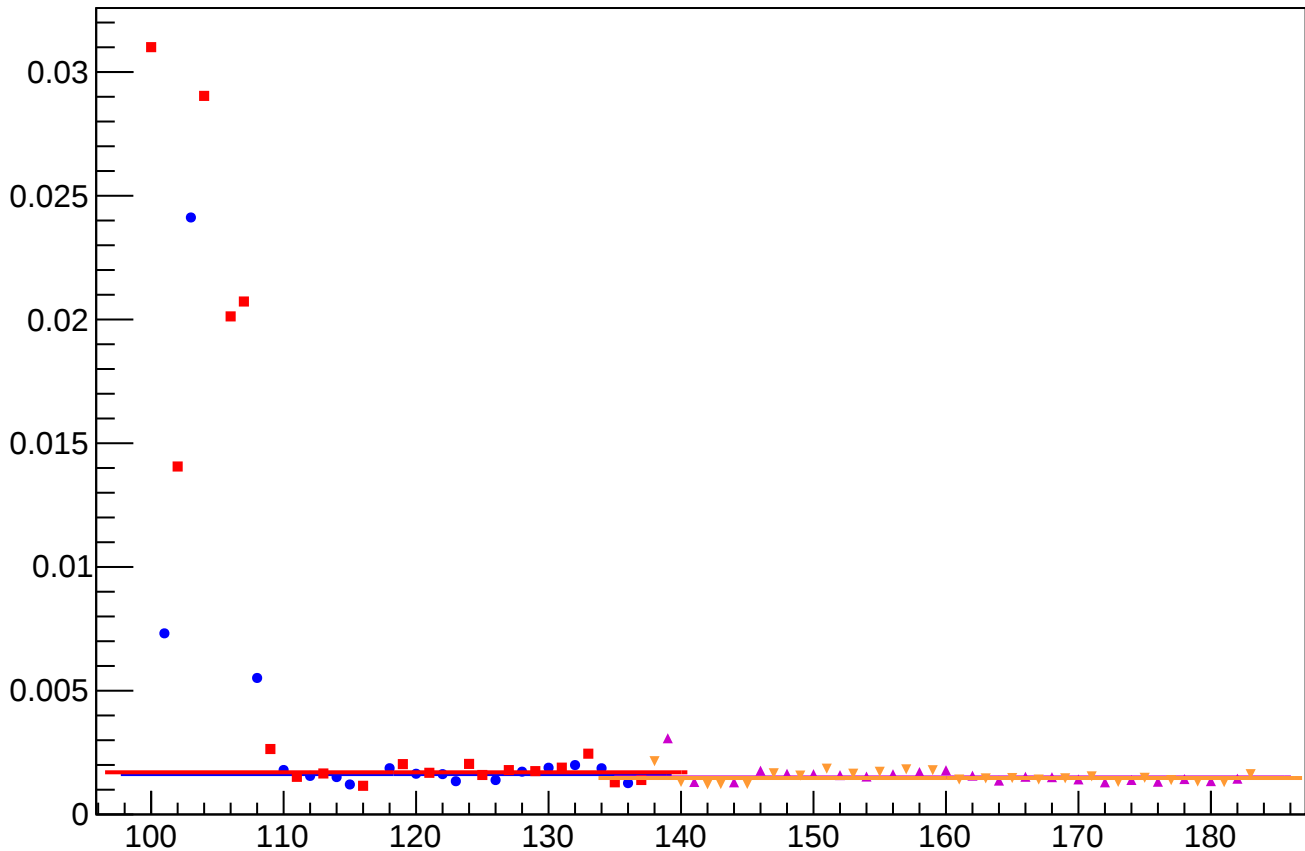
Left In: 0.000 ± 0.000 χ^2/NDF : 93149640.1/21

+ sign -0.001 ± 0.000 χ^2/NDF : 9953310476.6/40

All: 0.000 ± 0.000 χ^2/NDF : 13096584801.6/8

- sign 0.001 ± 0.000 χ^2/NDF : 3136979400.8/40

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1922148.8/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:538219.5/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3024458.4/18

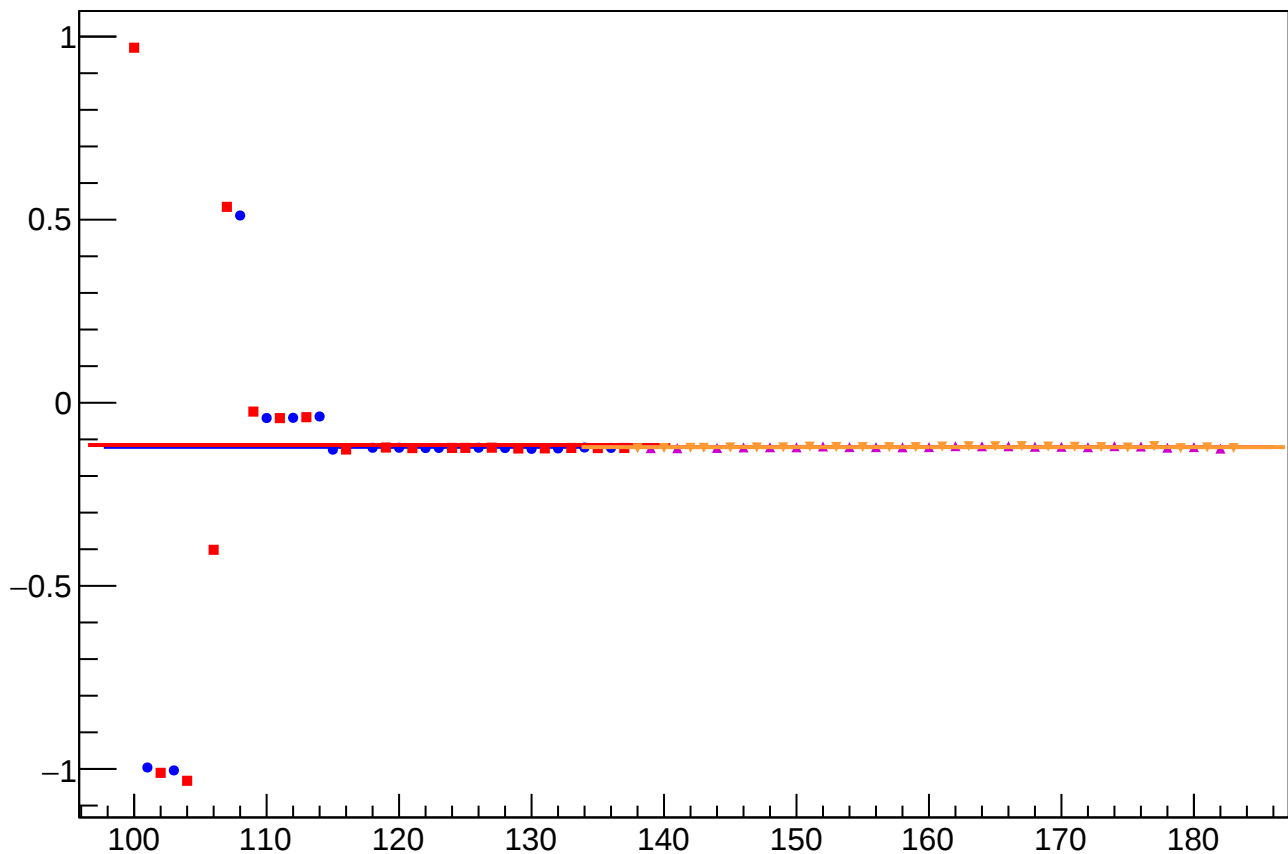
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:621907.8/21

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2529122.3/40

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6289017.6/81

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3750472.1/40

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932772427.7/16

Left Out: -0.121+/-0.000 χ^2/NDF : 57943348.6/23

Right Out: -0.115+/-0.000 χ^2/NDF : 2456433698.5/18

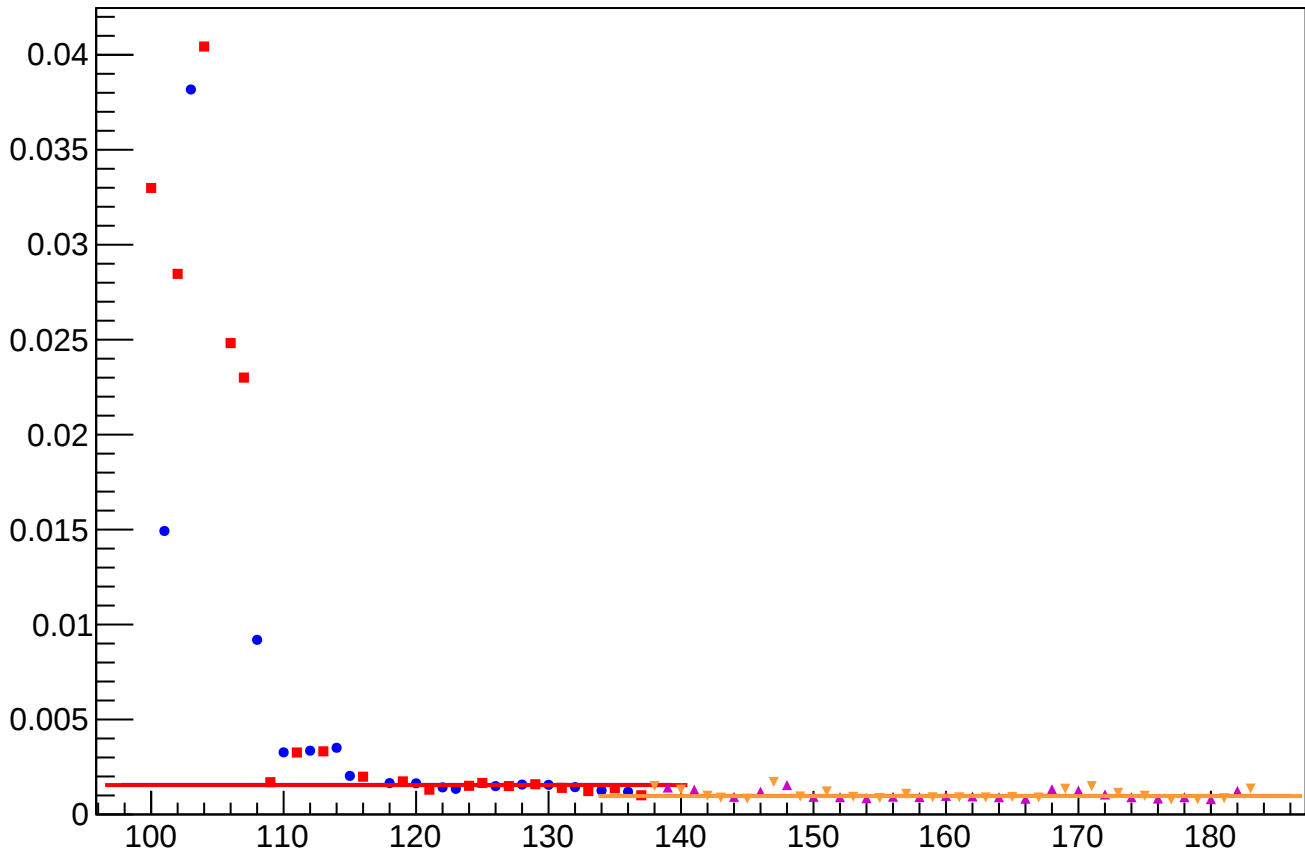
Left In: -0.121+/-0.000 χ^2/NDF : 45360139.3/21

+ sign -0.121+/-0.000 χ^2/NDF : 3991644294.7/40

All: -0.121+/-0.000 χ^2/NDF : 6548677052.8/8

- sign -0.120+/-0.000 χ^2/NDF : 2552194971.3/40

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2898219.2/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1339263.8/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3535649.7/18

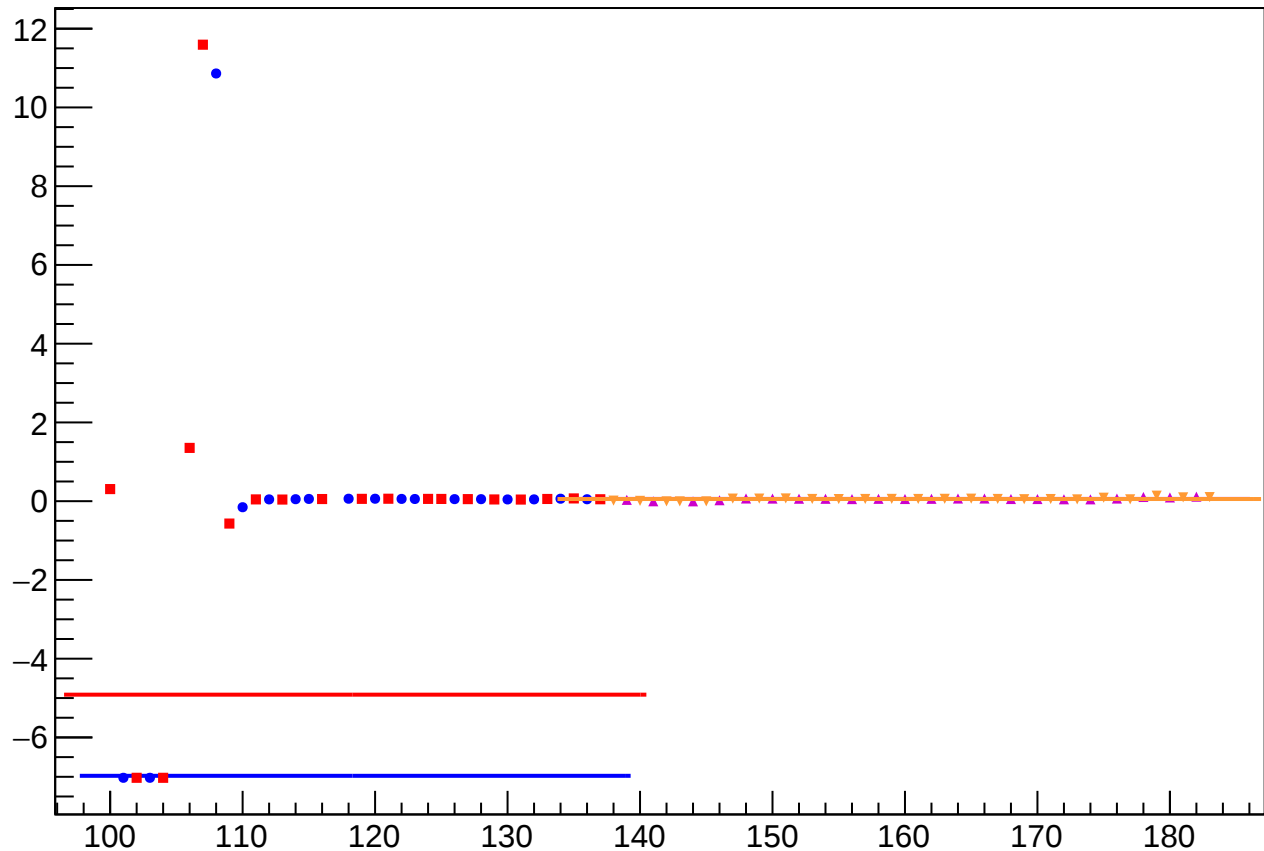
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:948645.4/21

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5424870.8/40

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 11024483.5/81

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5597871.3/40

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8797358006083.6/16

Left Out: 0.055 ± 0.000 χ^2/NDF : 243641790.4/23

Right Out: -4.914 ± 0.000 χ^2/NDF : 365352656389636.4/18

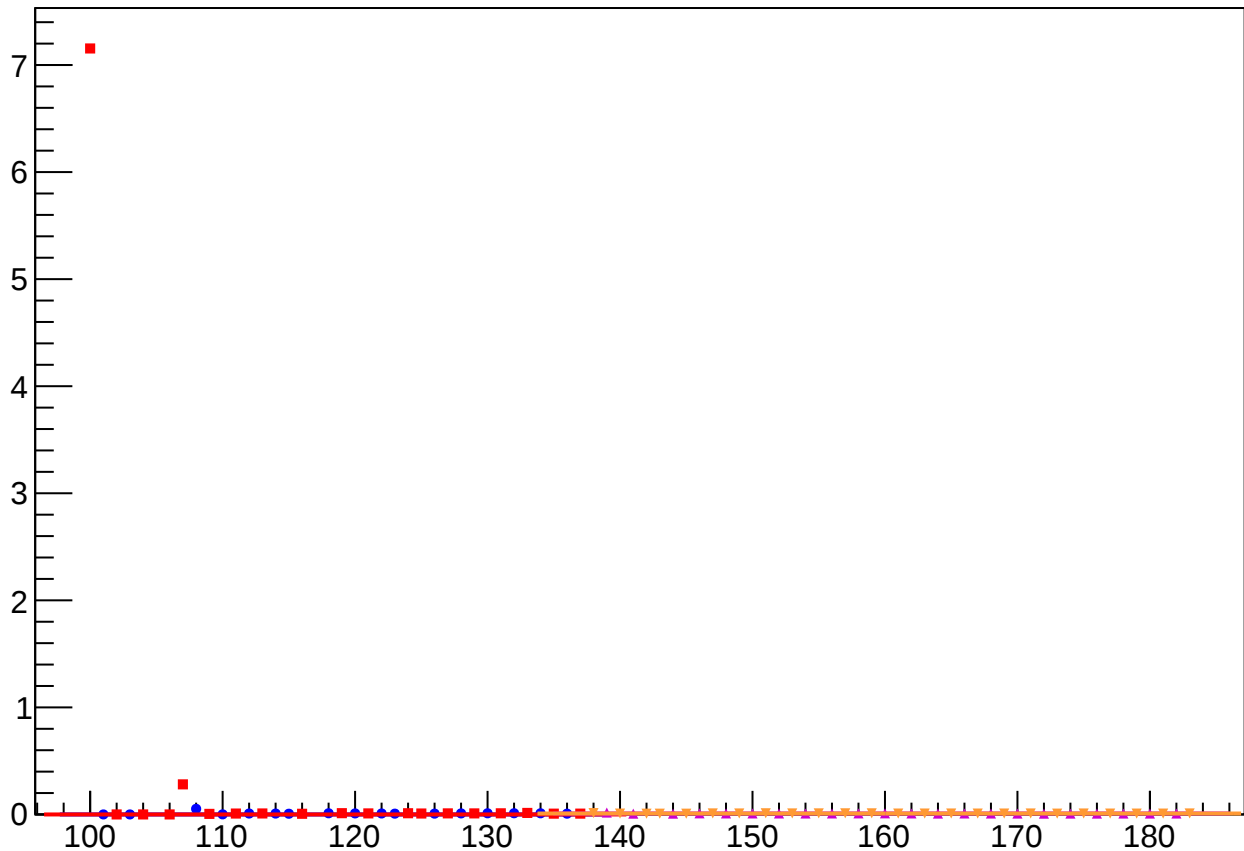
Left In: 0.057 ± 0.000 χ^2/NDF : 153478136.8/21

+ sign -6.922 ± 0.000 χ^2/NDF : 18257249828079.2/16

All: -5.859 ± 0.000 χ^2/NDF : 4432762793254.4/18

- sign -4.883 ± 0.000 χ^2/NDF : 369638652912922.9/16

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8350428.8/16

Left Out: 0.009+/-0.000 χ^2/NDF :510633.4/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8775433.1/18

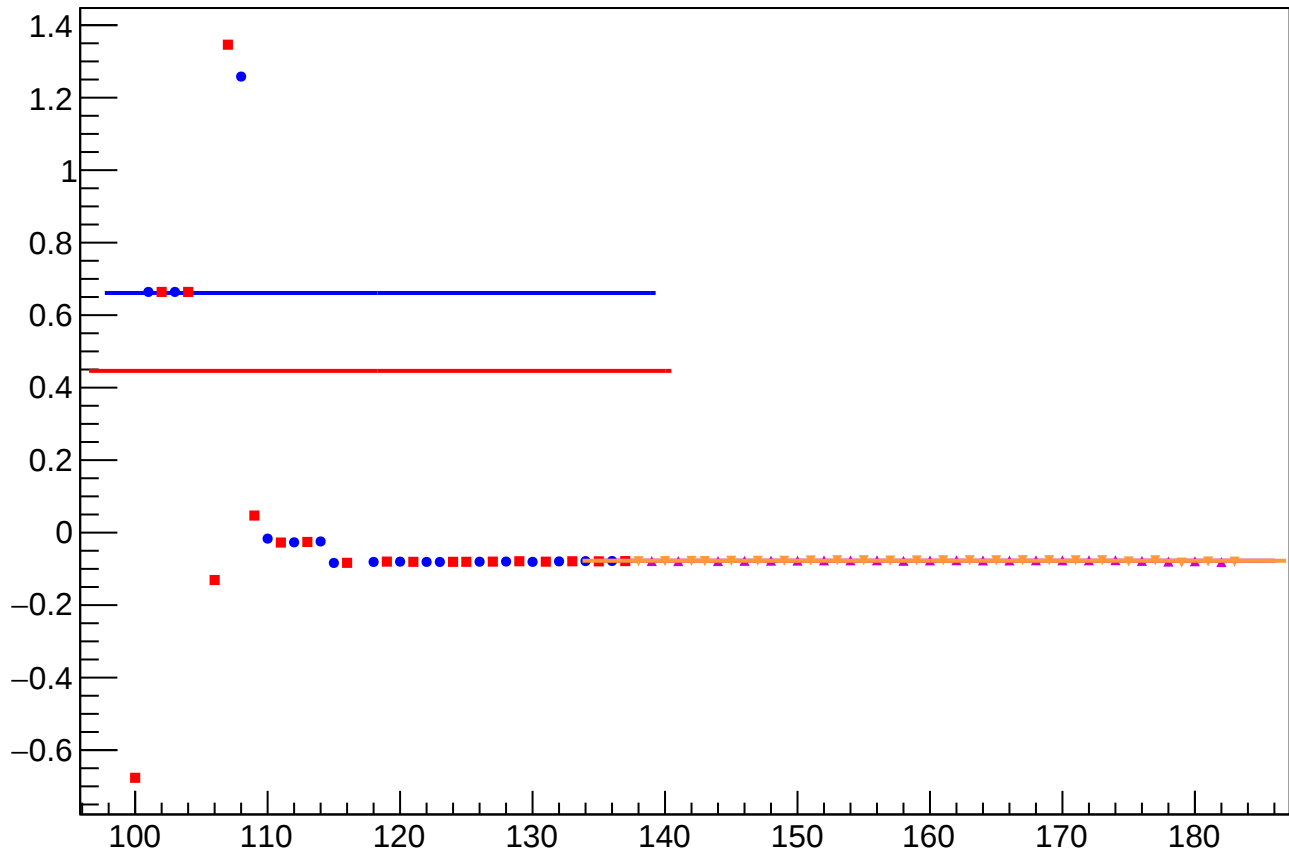
Left In: 0.009+/-0.000 χ^2/NDF :595651.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 36844900.6/40

All: 0.000+/-0.000 χ^2/NDF : 72645146.7/81

- sign 0.000+/-0.000 χ^2/NDF : 35795434.0/40

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5658672217179.3/16

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156351232.6/23

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405428422570886.0/18

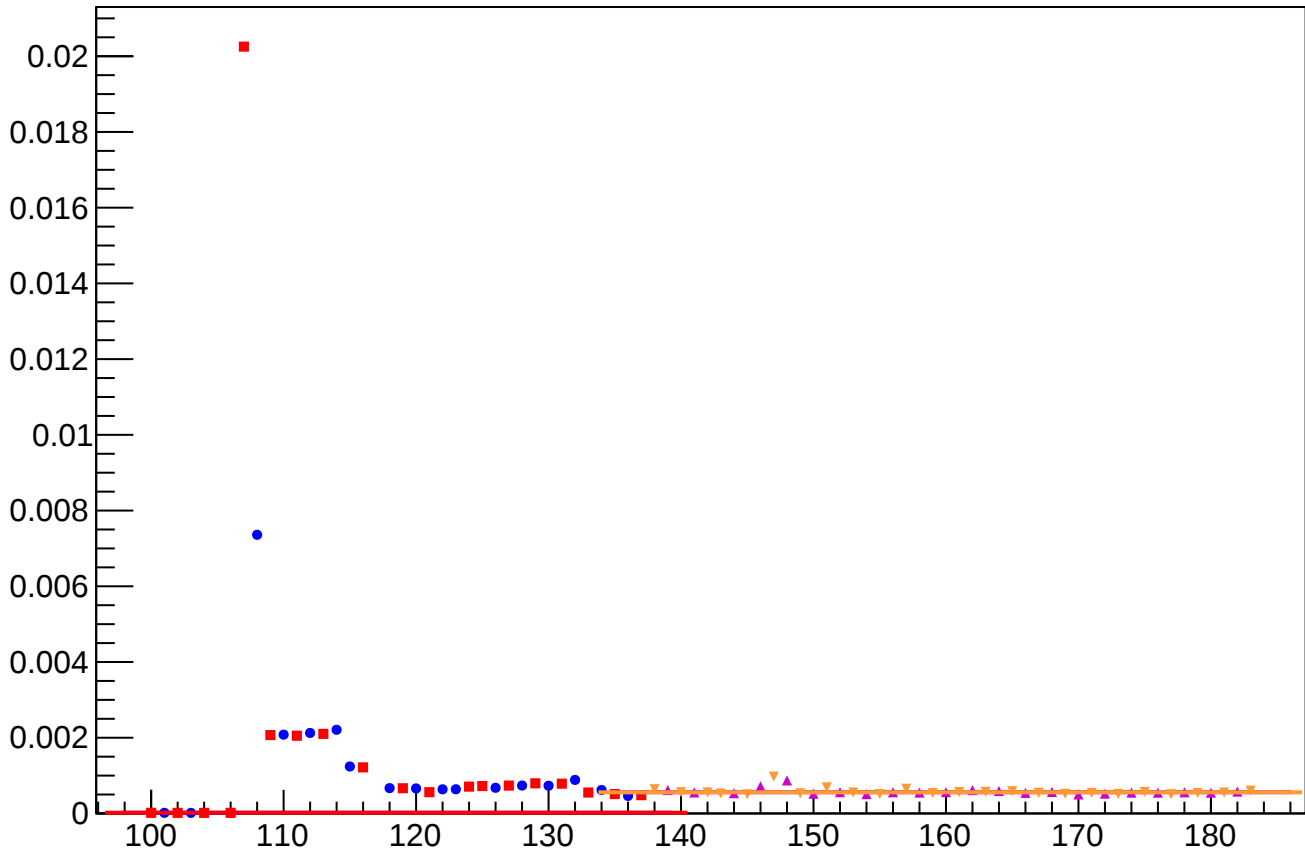
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 84340078.6/21

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35292093208724.2/4

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51519603978215

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419330106413076.2/4

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9958320.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 464077.5/23

Right Out: 0.000+/-0.000 χ^2/NDF : 9460895.3/18

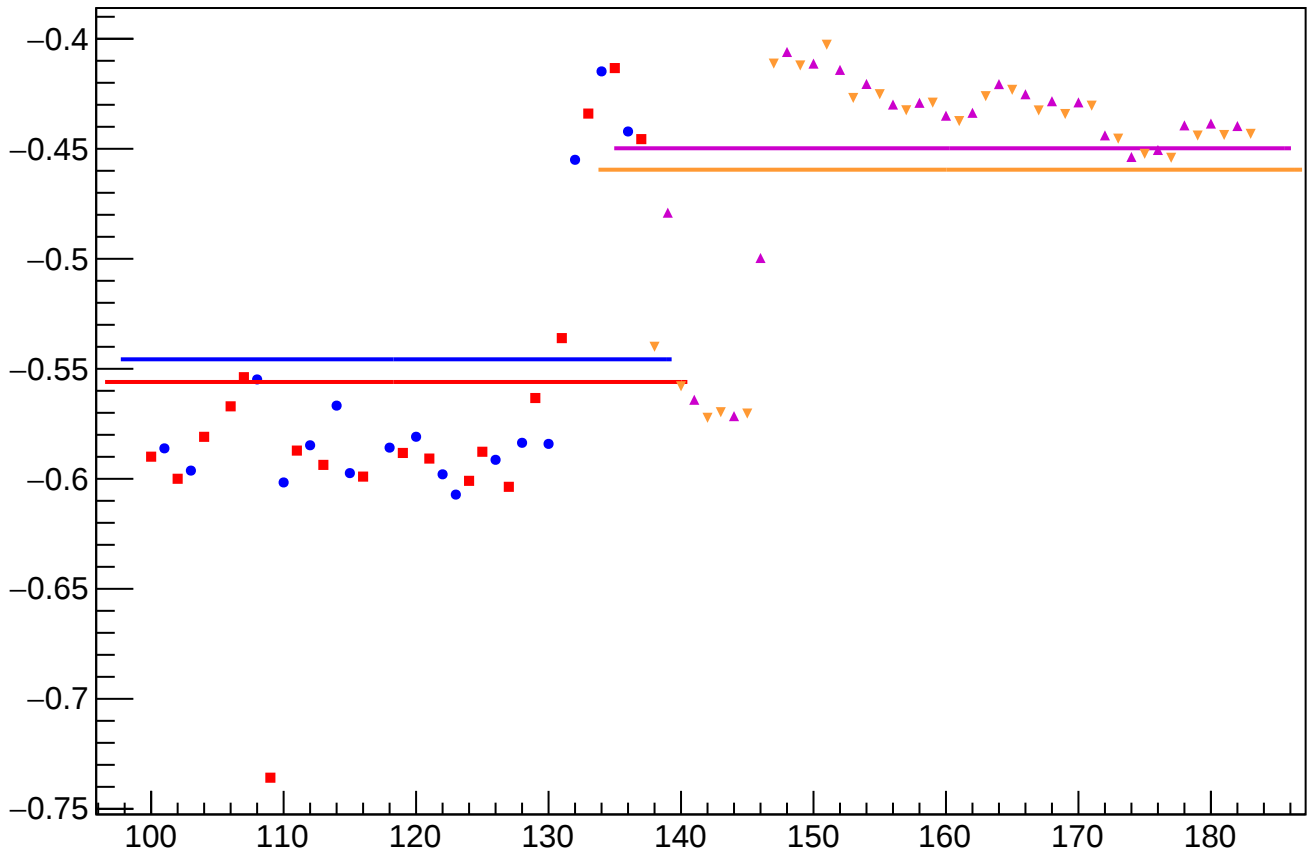
Left In: 0.001+/-0.000 χ^2/NDF : 355329.0/21

+ sign 0.000+/-0.000 χ^2/NDF : 42075149.2/40

All: 0.000+/-0.000 χ^2/NDF : 81854148.6/81

- sign 0.000+/-0.000 χ^2/NDF : 39771293.6/40

yield_bpm4aX_mean vs Slug



Right In: -0.546+/-0.000 χ^2 /NDF: 46331446.0/16

Left Out: -0.460+/-0.000 χ^2 /NDF: 113512403.5/23

Right Out: -0.556+/-0.000 χ^2 /NDF: 64058429.8/18

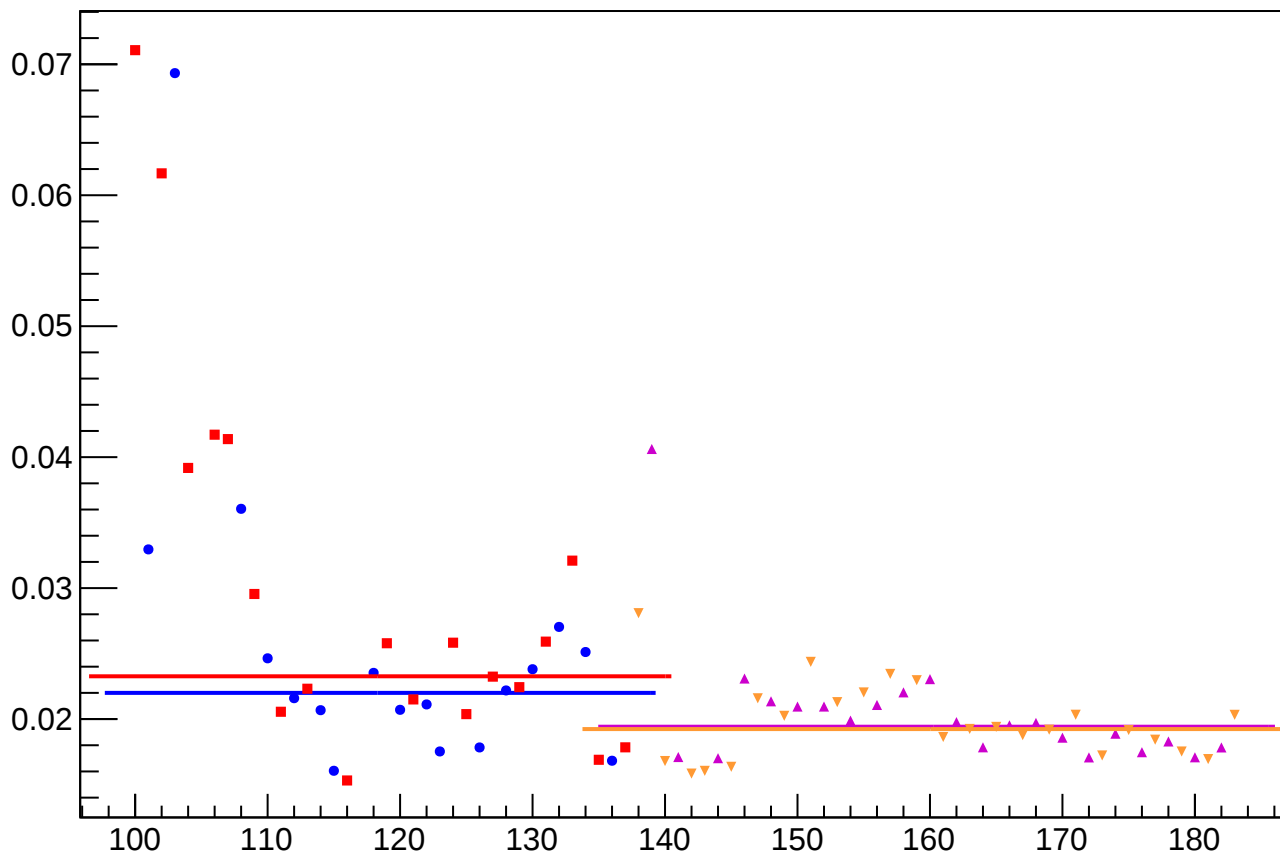
Left In: -0.450+/-0.000 χ^2 /NDF: 76113813.4/21

+ sign -0.478+/-0.000 χ^2 /NDF: 221623575.1/40

All: -0.475+/-0.000 χ^2 /NDF: 449780668.9/81

- sign -0.472+/-0.000 χ^2 /NDF: 227487387.2/40

yield_bpm4aX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 959677.4/16

Left Out: 0.019 ± 0.000 χ^2/NDF : 500432.8/23

Right Out: 0.023 ± 0.000 χ^2/NDF : 1155060.8/18

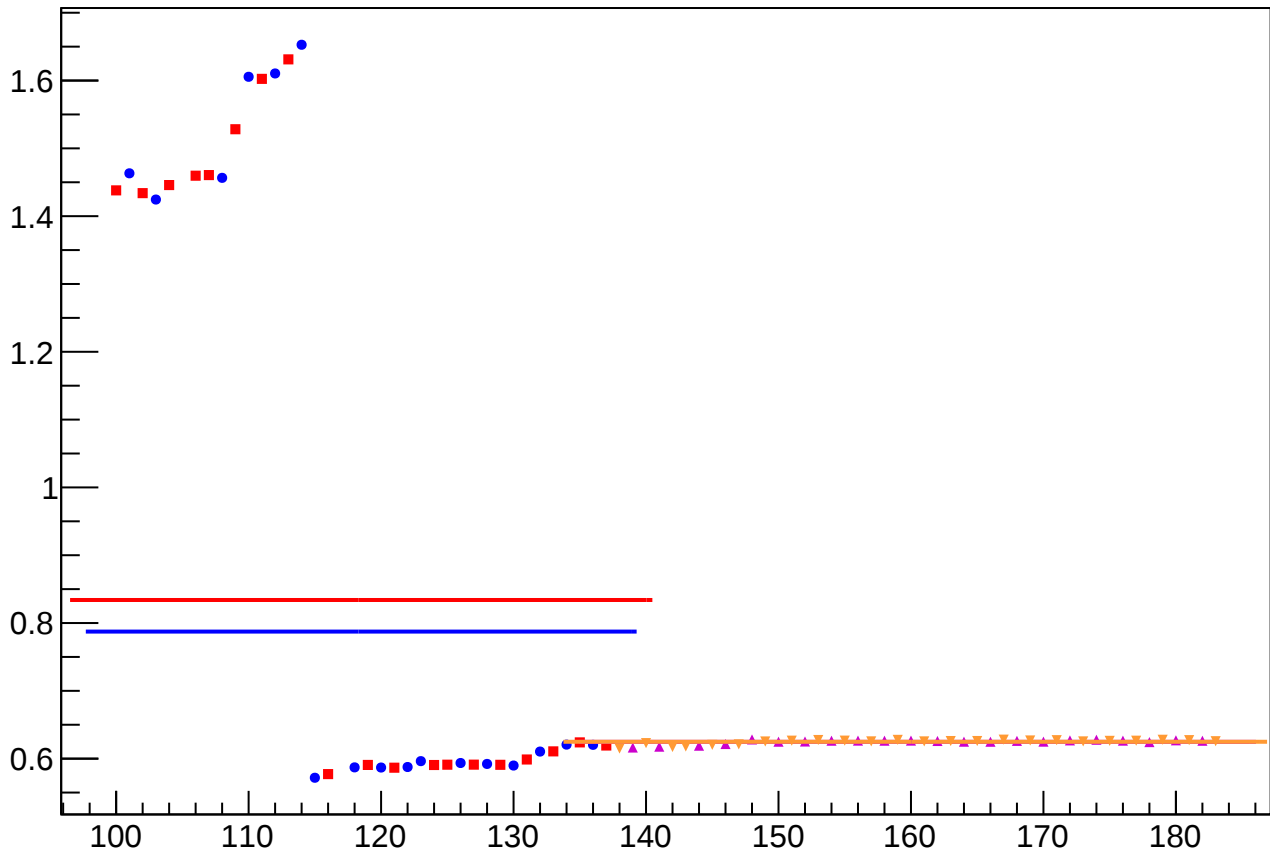
Left In: 0.019 ± 0.000 χ^2/NDF : 624646.4/21

+ sign 0.020 ± 0.000 χ^2/NDF : 1587197.8/40

All: 0.020 ± 0.000 χ^2/NDF : 3604671.3/81

- sign 0.020 ± 0.000 χ^2/NDF : 2009104.6/40

yield_bpm4aY_mean vs Slug



Right In: 0.787 $\pm$ 0.000 χ^2/NDF : 3581416919.1/16

Left Out: 0.625 $\pm$ 0.000 χ^2/NDF : 1445168.5/23

Right Out: 0.834 $\pm$ 0.000 χ^2/NDF : 4150651936.4/18

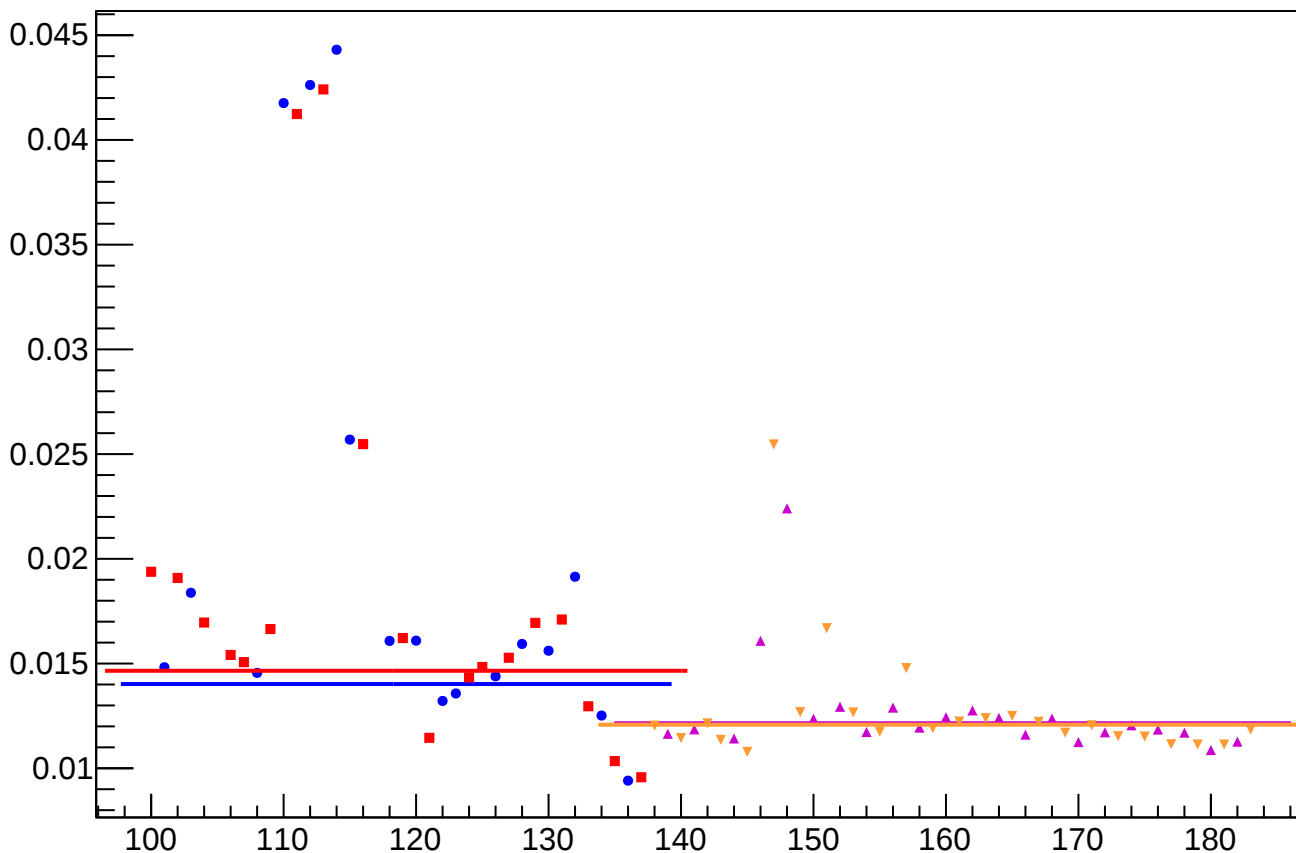
Left In: 0.625 $\pm$ 0.000 χ^2/NDF : 1120597.5/21

+ sign 0.657 $\pm$ 0.000 χ^2/NDF : 4195130164.5/40

All: 0.661 $\pm$ 0.000 χ^2/NDF : 9330793707.6/83

- sign 0.667 $\pm$ 0.000 χ^2/NDF : 5128201022.9/40

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1399935.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 655773.1/23

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1262071.4/18

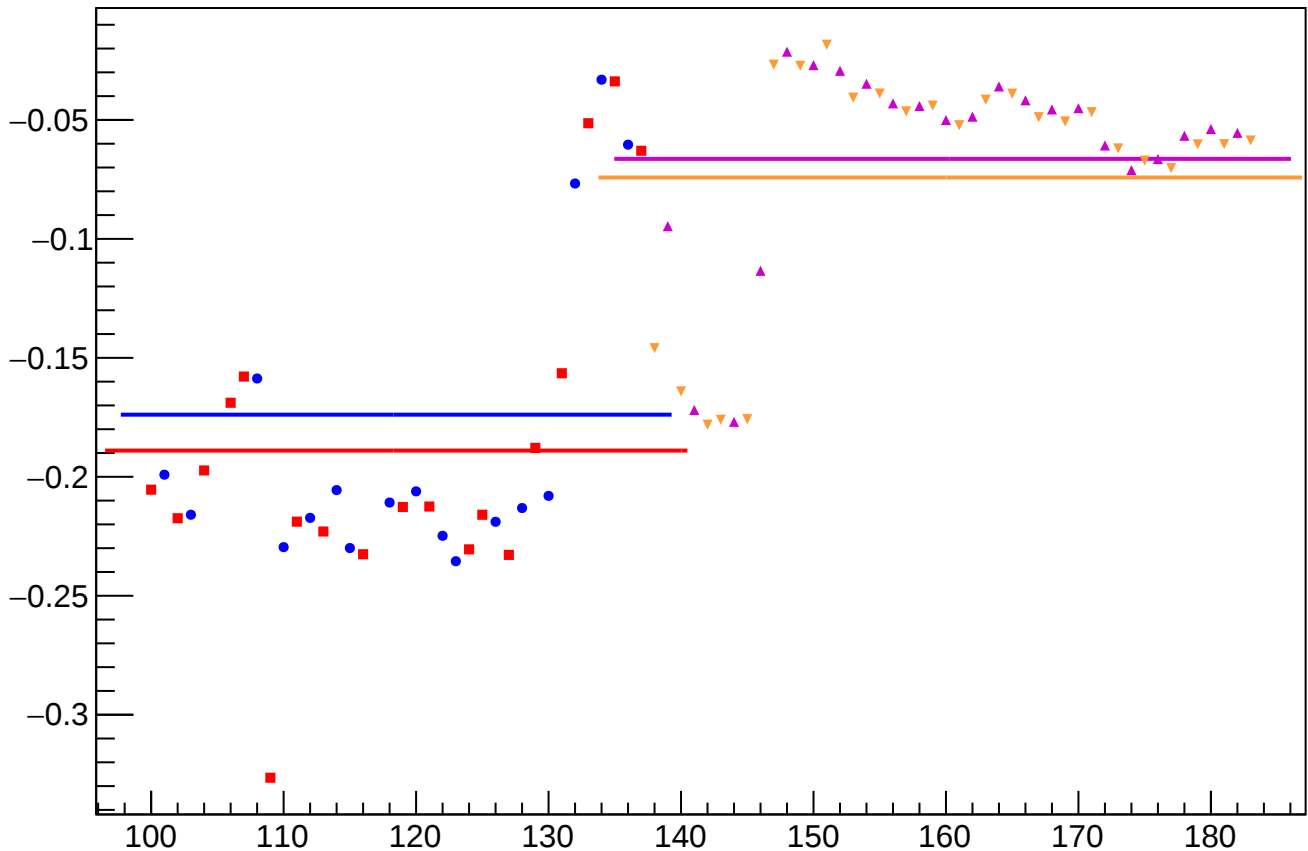
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 485900.7/21

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2230253.3/40

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4263393.2/81

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2027697.9/40

yield_bpm4eX_mean vs Slug



Right In: -0.174+/-0.000 χ^2/NDF : 66778428.3/16

Left Out: -0.074+/-0.000 χ^2/NDF : 107613815.0/23

Right Out: -0.189+/-0.000 χ^2/NDF : 81975900.9/18

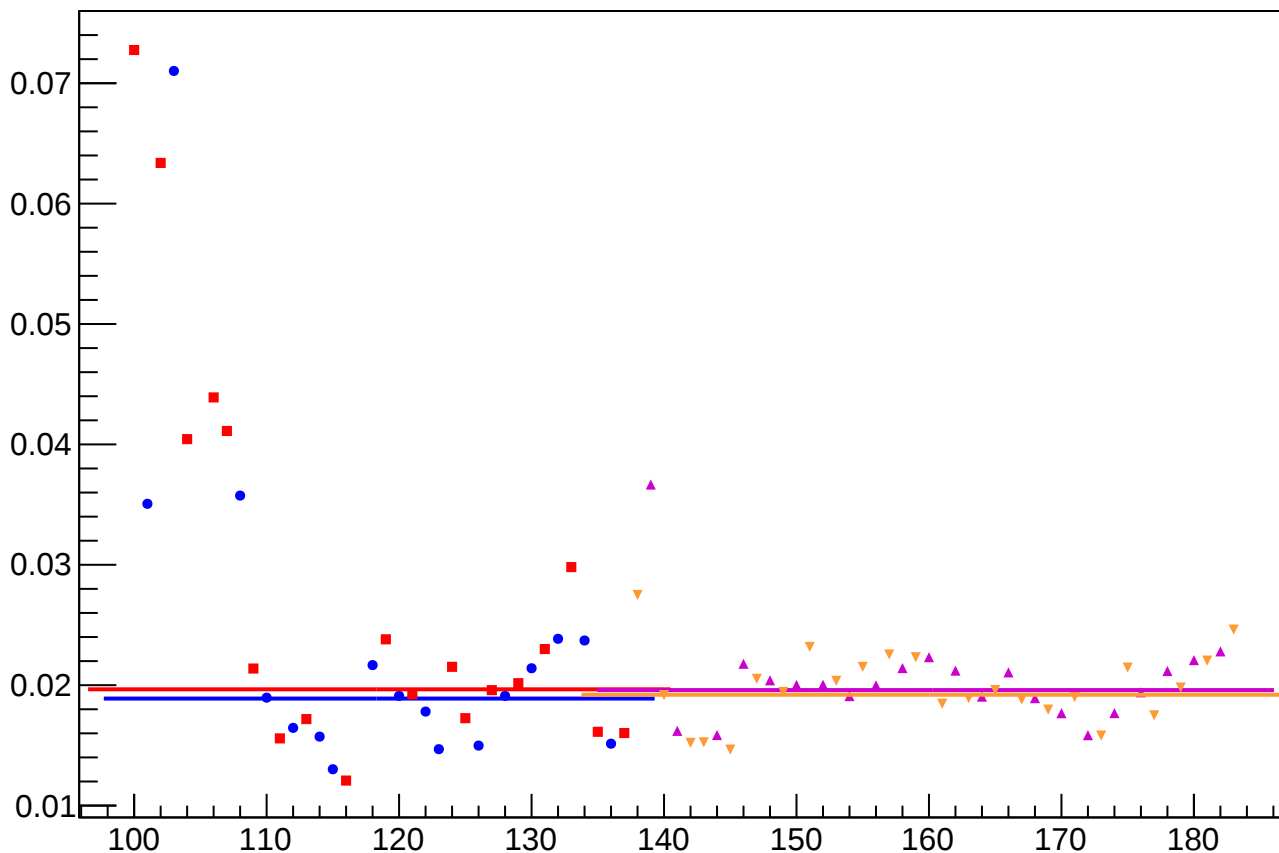
Left In: -0.066+/-0.000 χ^2/NDF : 76239503.8/21

+ sign -0.100+/-0.000 χ^2/NDF : 277709474.1/40

All: -0.100+/-0.000 χ^2/NDF : 583335456.0/81

- sign -0.099+/-0.000 χ^2/NDF : 305616072.7/40

yield_bpm4eX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1211816.5/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 628665.0/23

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1454143.7/18

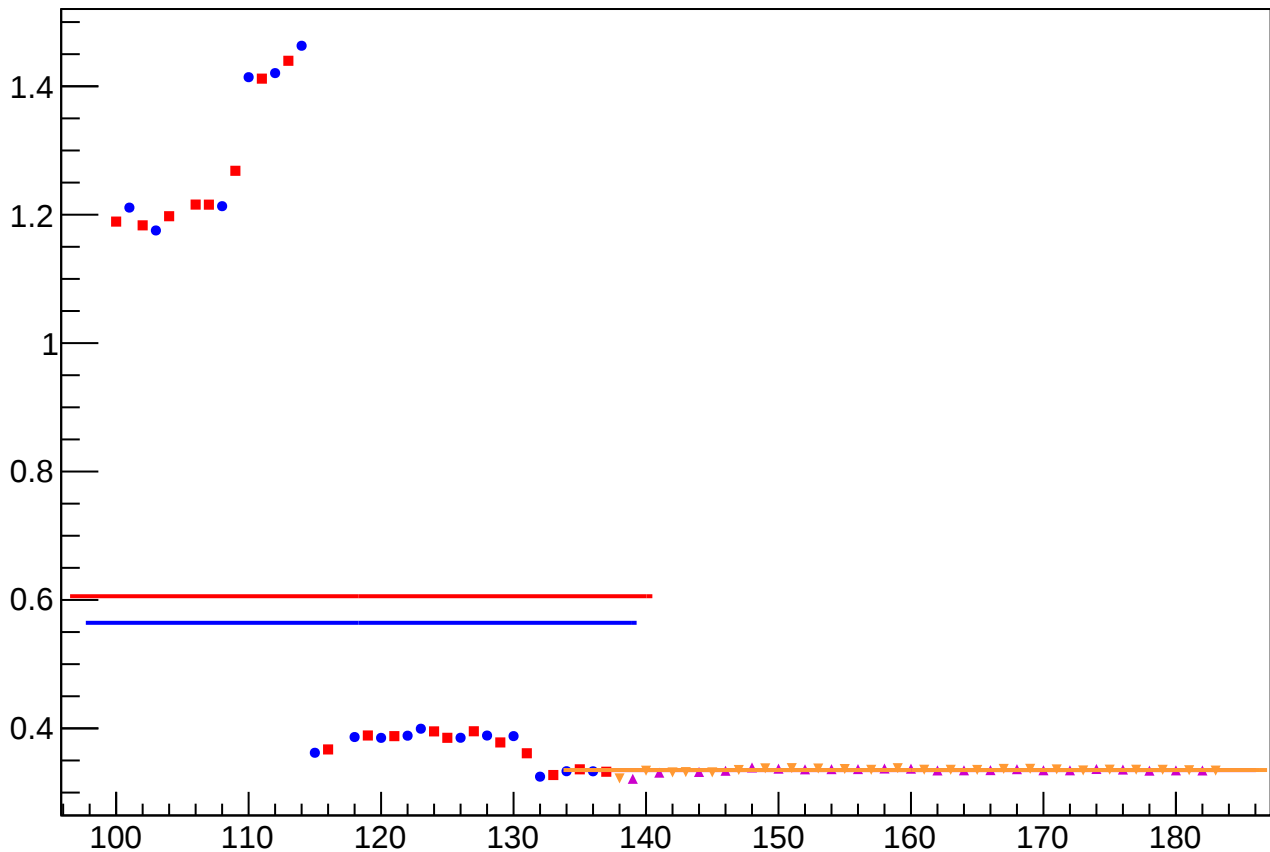
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 623066.4/21

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1842571.8/40

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3932192.0/81

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2077290.1/40

yield_bpm4eY_mean vs Slug



Right In: 0.564+/-0.000 χ^2/NDF : 5040911893.3/16

Left Out: 0.335+/-0.000 χ^2/NDF :1151435.8/23

Right Out: 0.606+/-0.000 χ^2/NDF : 5529469116.6/18

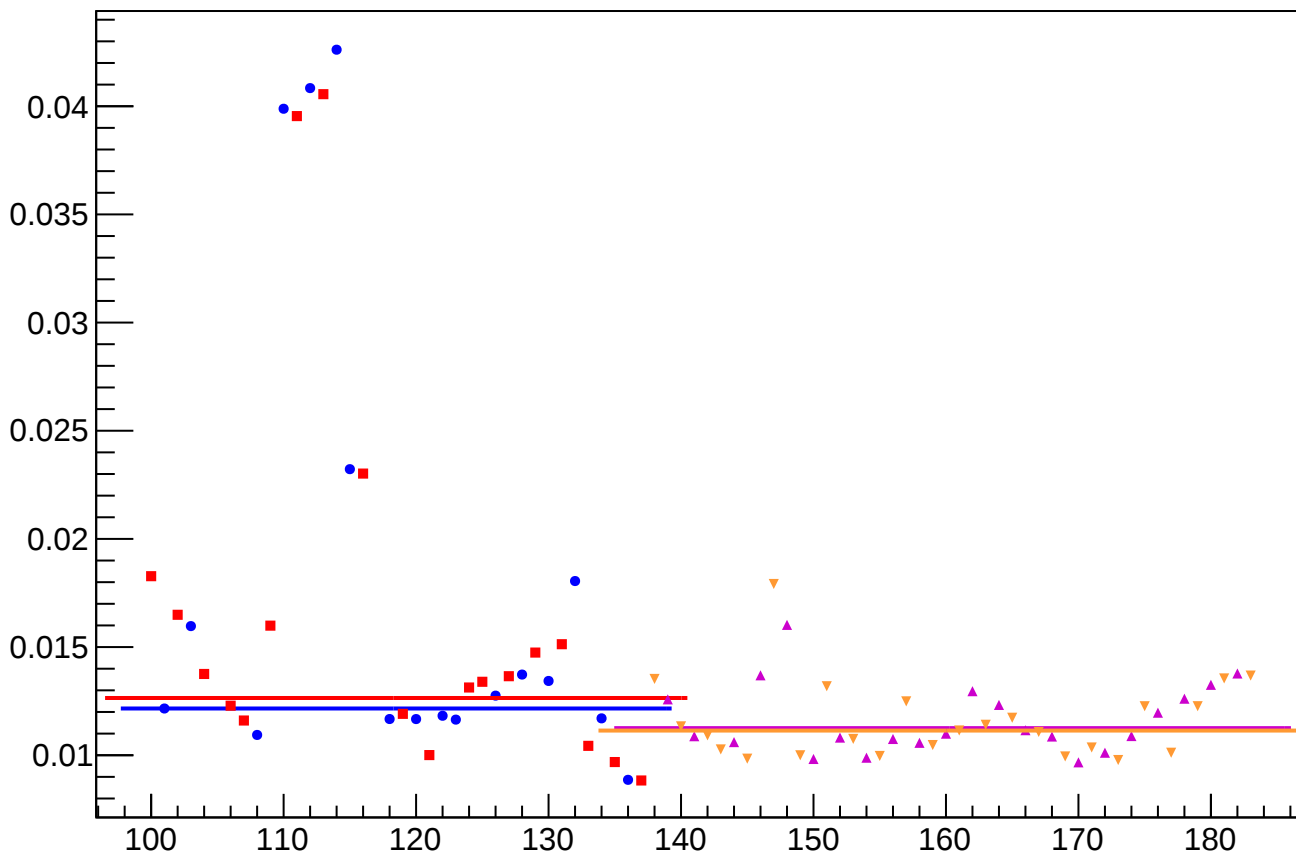
Left In: 0.335+/-0.000 χ^2/NDF :1200516.2/21

+ sign 0.385+/-0.000 χ^2/NDF : 6616960314.5/40

All: 0.390+/-0.000 χ^2/NDF : 14250503078.6/80

- sign 0.395+/-0.000 χ^2/NDF : 7623755538.2/40

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1304124.1/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 595673.4/23

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1268972.5/18

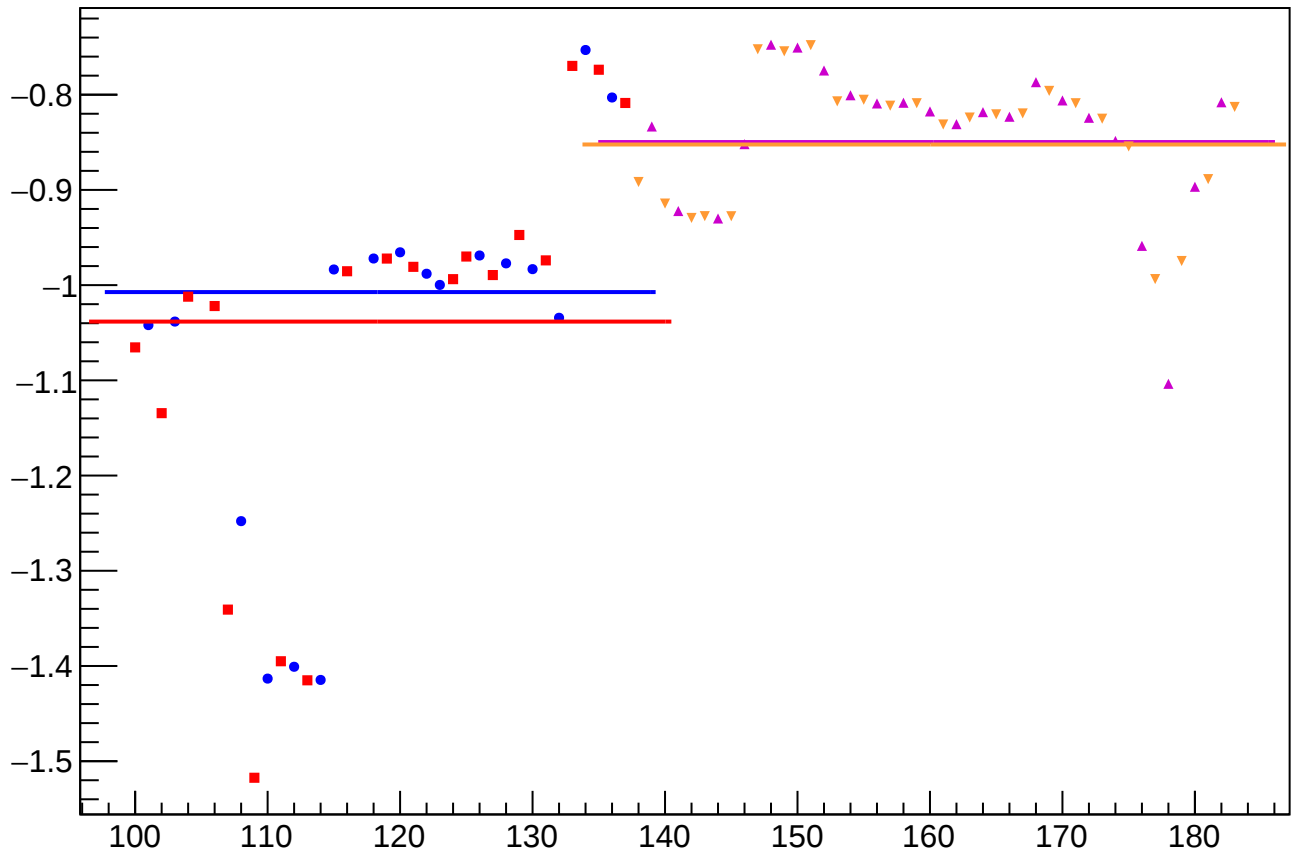
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 494683.7/21

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1962170.5/40

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3843671.9/81

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1874494.3/40

yield_bpm4acX_mean vs Slug



Right In: -1.007 ± 0.000 χ^2/NDF : 393589325.7/16

Left Out: -0.852 ± 0.000 χ^2/NDF : 188343598.5/23

Right Out: -1.038 ± 0.000 χ^2/NDF : 535629570.0/18

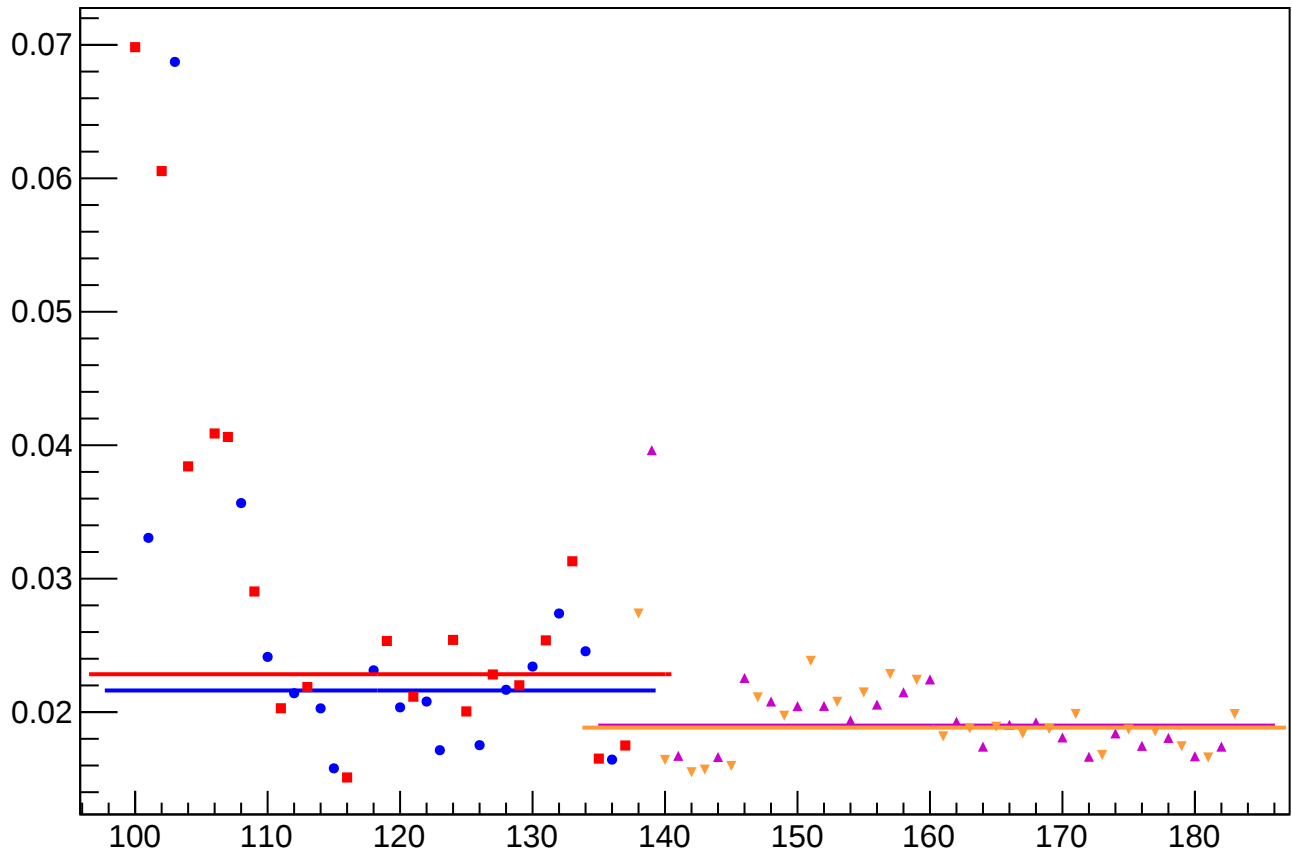
Left In: -0.850 ± 0.000 χ^2/NDF : 255599856.0/21

+ sign -0.885 ± 0.000 χ^2/NDF : 788792942.3/40

All: -0.887 ± 0.000 χ^2/NDF : 1866147213.7/8

- sign -0.890 ± 0.000 χ^2/NDF : 1076776312.9/40

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 984588.1/16

Left Out: 0.019 ± 0.000 χ^2/NDF : 489149.5/23

Right Out: 0.023 ± 0.000 χ^2/NDF : 1150914.8/18

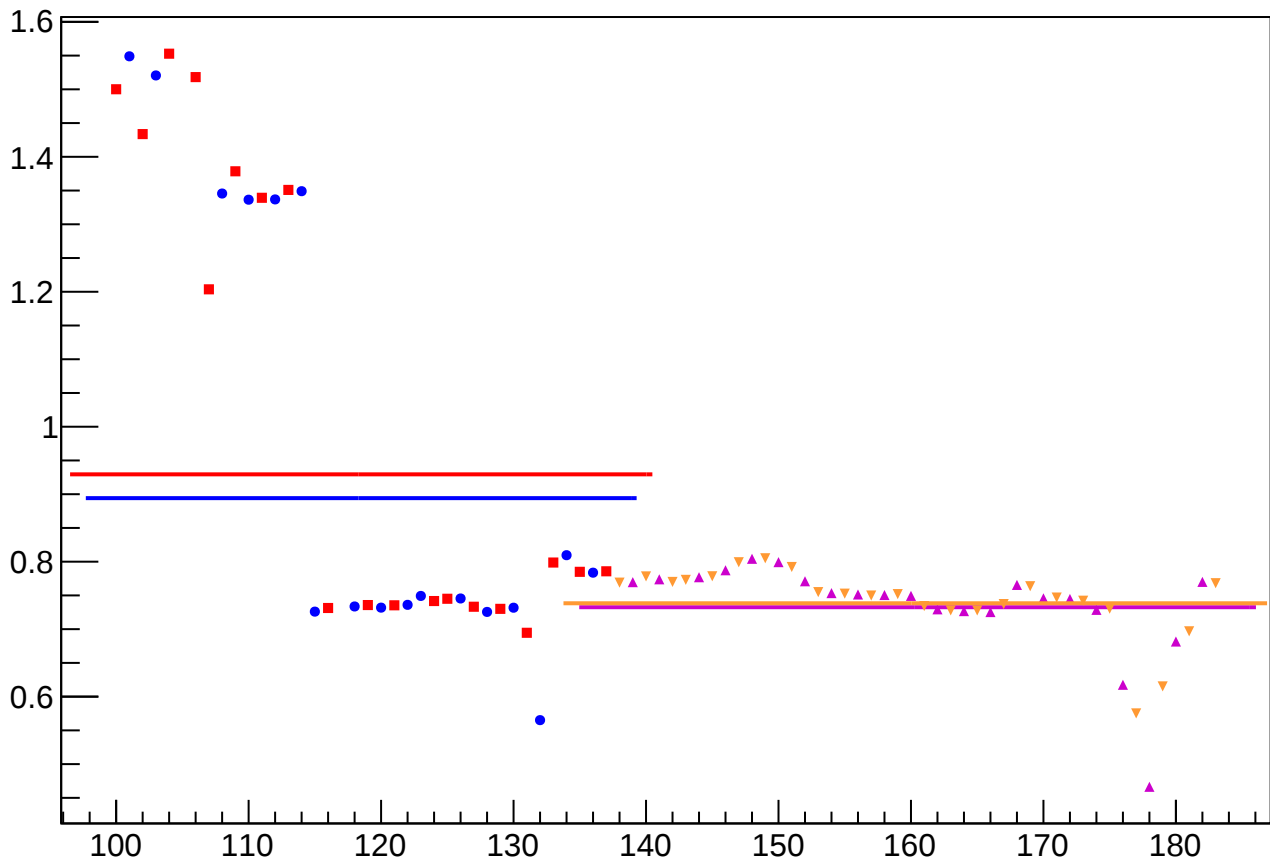
Left In: 0.019 ± 0.000 χ^2/NDF : 613050.9/21

+ sign 0.019 ± 0.000 χ^2/NDF : 1607024.4/40

All: 0.020 ± 0.000 χ^2/NDF : 3616155.4/81

- sign 0.020 ± 0.000 χ^2/NDF : 2001854.0/40

yield_bpm4acY_mean vs Slug



Right In: 0.894 $\pm$ 0.000 χ^2 /NDF: 2399022212.9/16

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:331211337.5/23

+ sign 0.768 $\pm$ 0.000 χ^2 /NDF: 3274600234.4/40

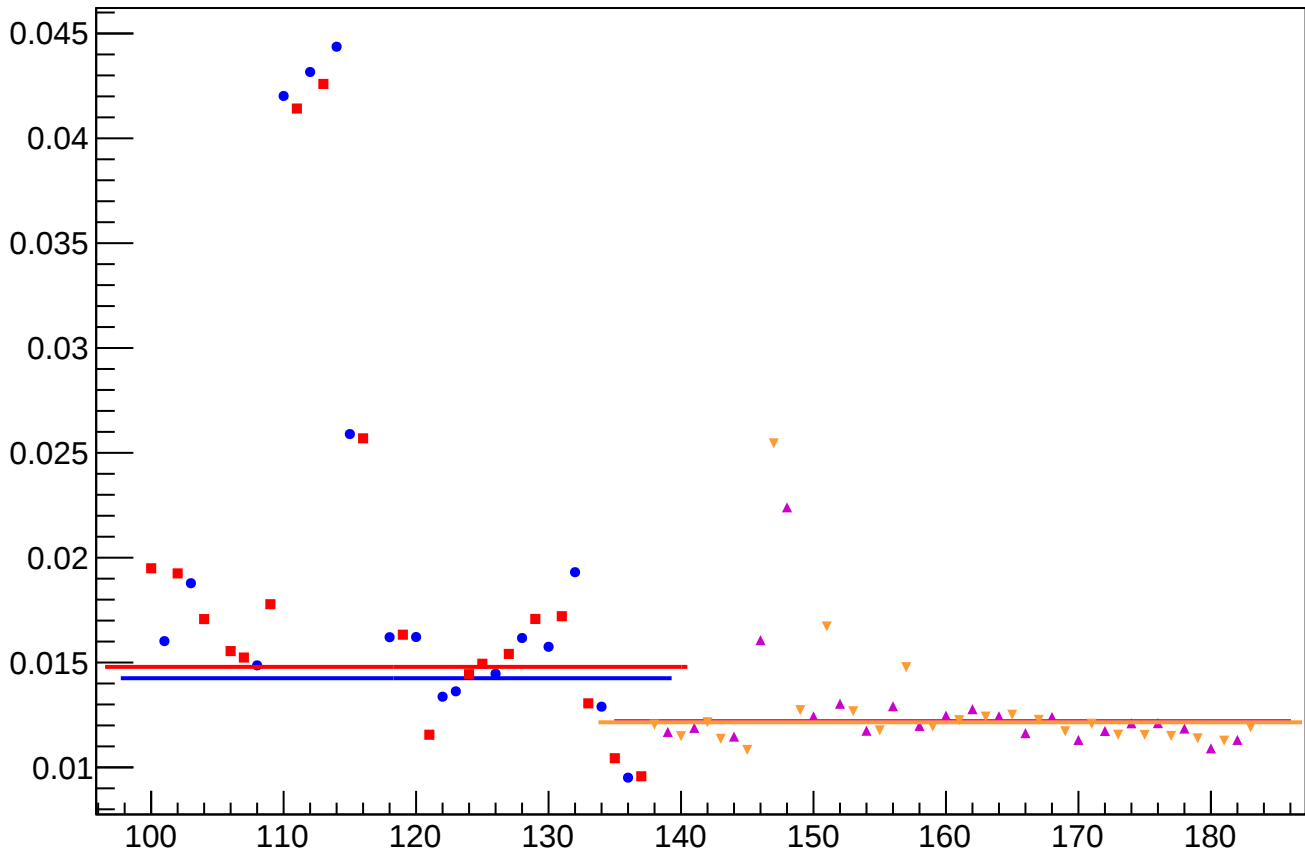
Right Out: 0.929 $\pm$ 0.000 χ^2 /NDF: 2422023767.8/18

All: 0.770 $\pm$ 0.000 χ^2 /NDF: 7111763679.8/83

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:566718435.2/21

- sign 0.772 $\pm$ 0.000 χ^2 /NDF: 3836282763.3/40

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409964.0/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 636311.6/23

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1271820.6/18

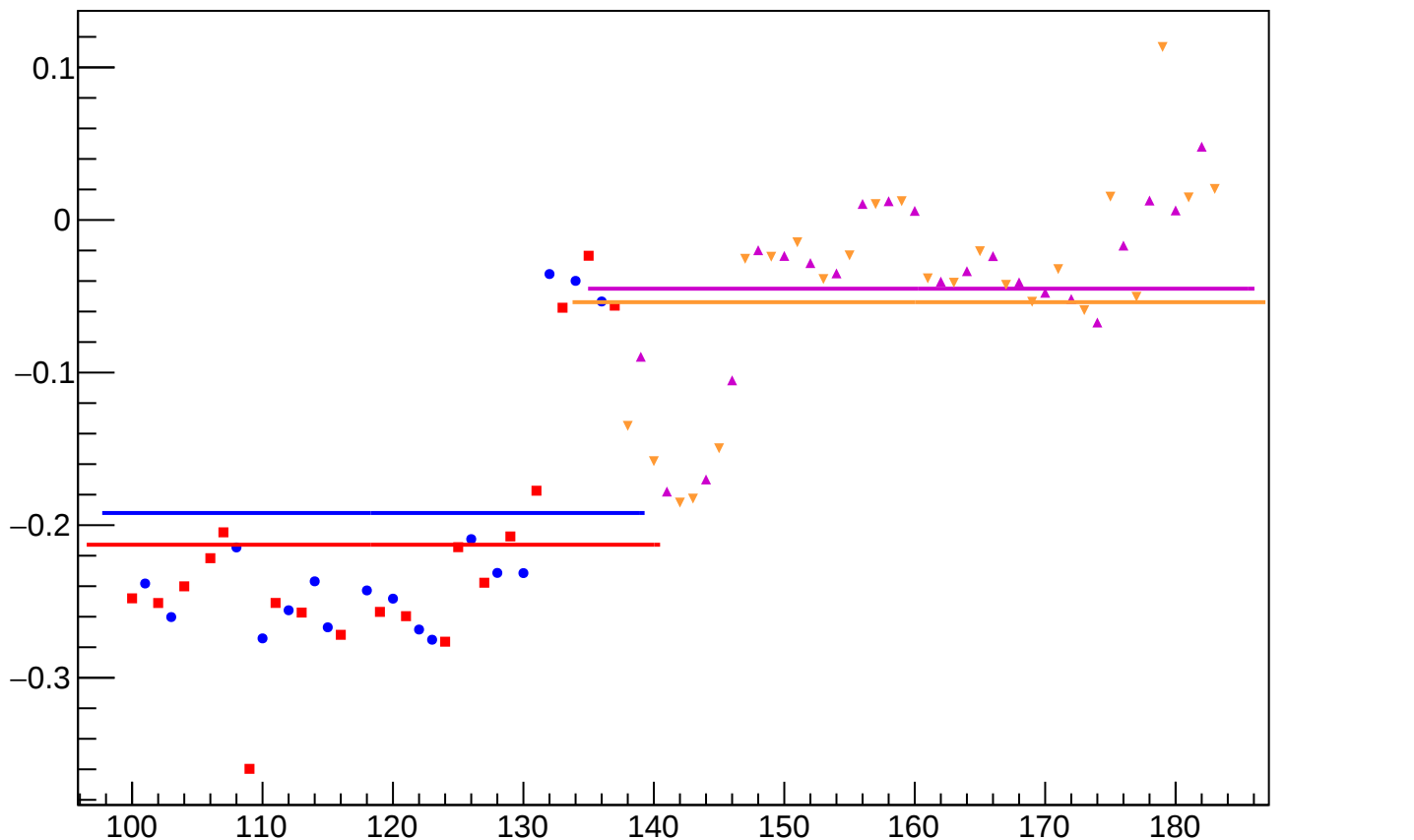
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 479333.1/21

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2244433.8/40

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4292139.8/81

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2043702.2/40

yield_bpm4ecX_mean vs Slug



Right In: -0.192+/-0.000 χ^2/NDF : 106200458.9/16

Left Out: -0.054+/-0.000 χ^2/NDF : 167736062.2/23

Right Out: -0.213+/-0.000 χ^2/NDF : 110522593.6/18

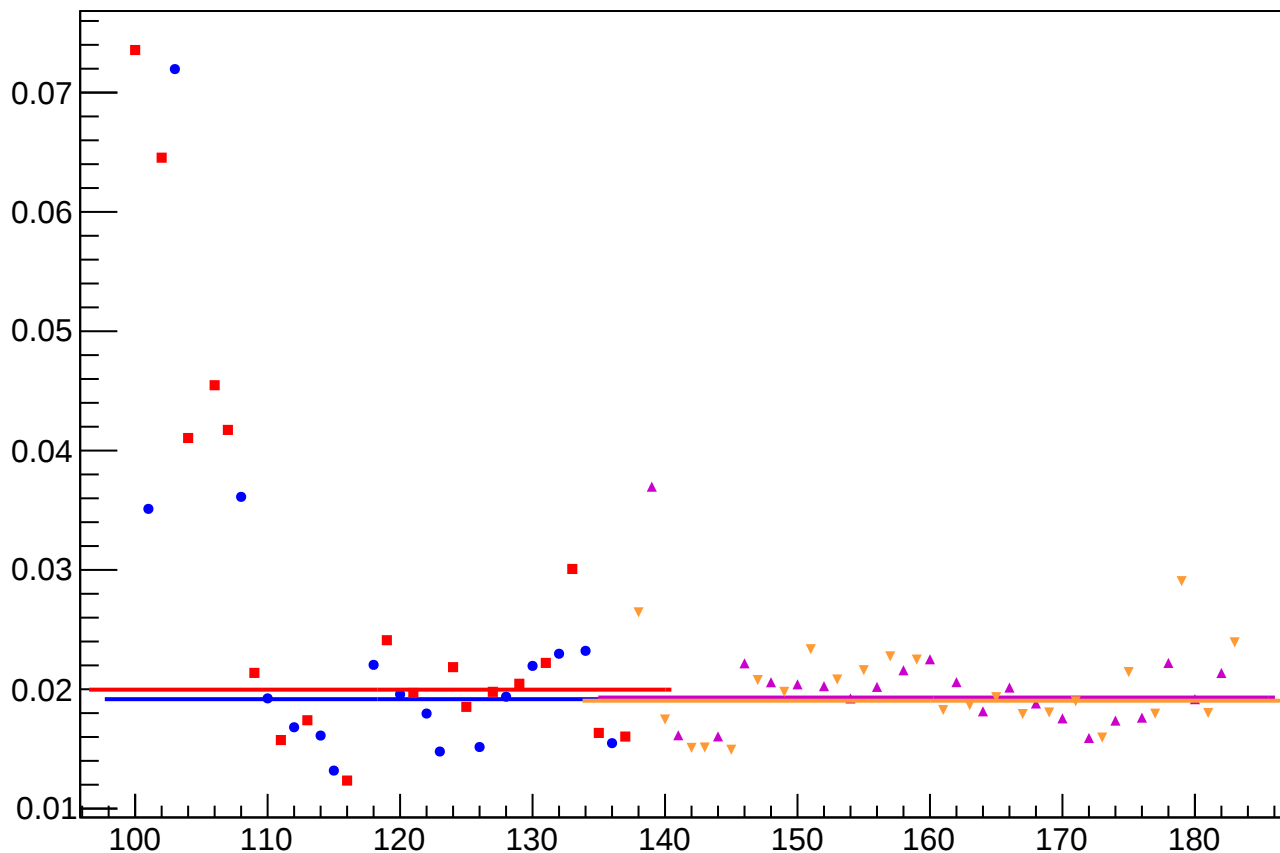
Left In: -0.045+/-0.000 χ^2/NDF : 123890343.8/21

+ sign -0.089+/-0.000 χ^2/NDF : 467538615.4/40

All: -0.089+/-0.000 χ^2/NDF : 972133863.0/81

- sign -0.089+/-0.000 χ^2/NDF : 504589016.9/40

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1182752.8/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 691451.0/23

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1445067.6/18

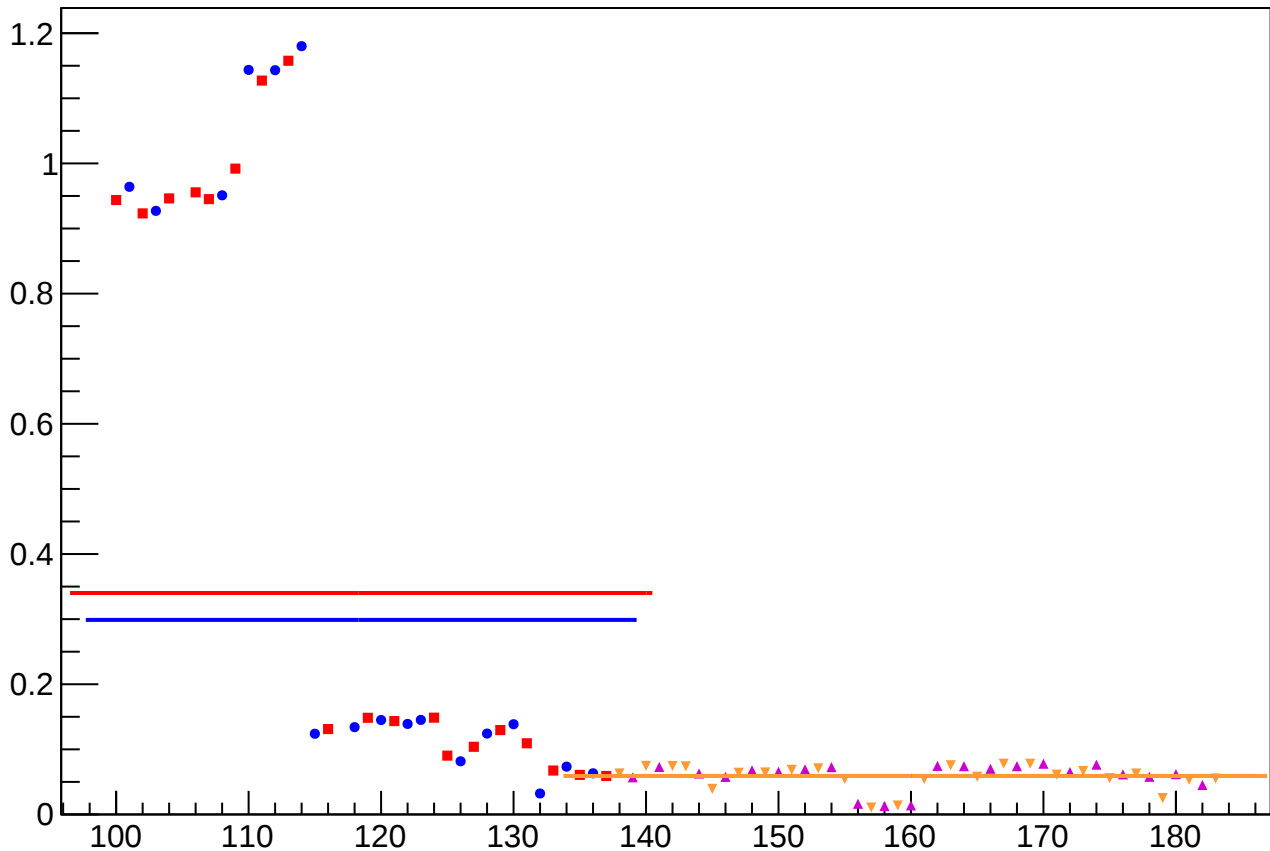
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 616843.2/21

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1874527.8/40

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3953194.9/81

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2070327.7/40

yield_bpm4ecY_mean vs Slug



Right In: 0.299 $\pm$ 0.000 χ^2 /NDF: 5180137730.5/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46518687.1/23

Right Out: 0.340 $\pm$ 0.000 χ^2 /NDF: 5473541358.4/18

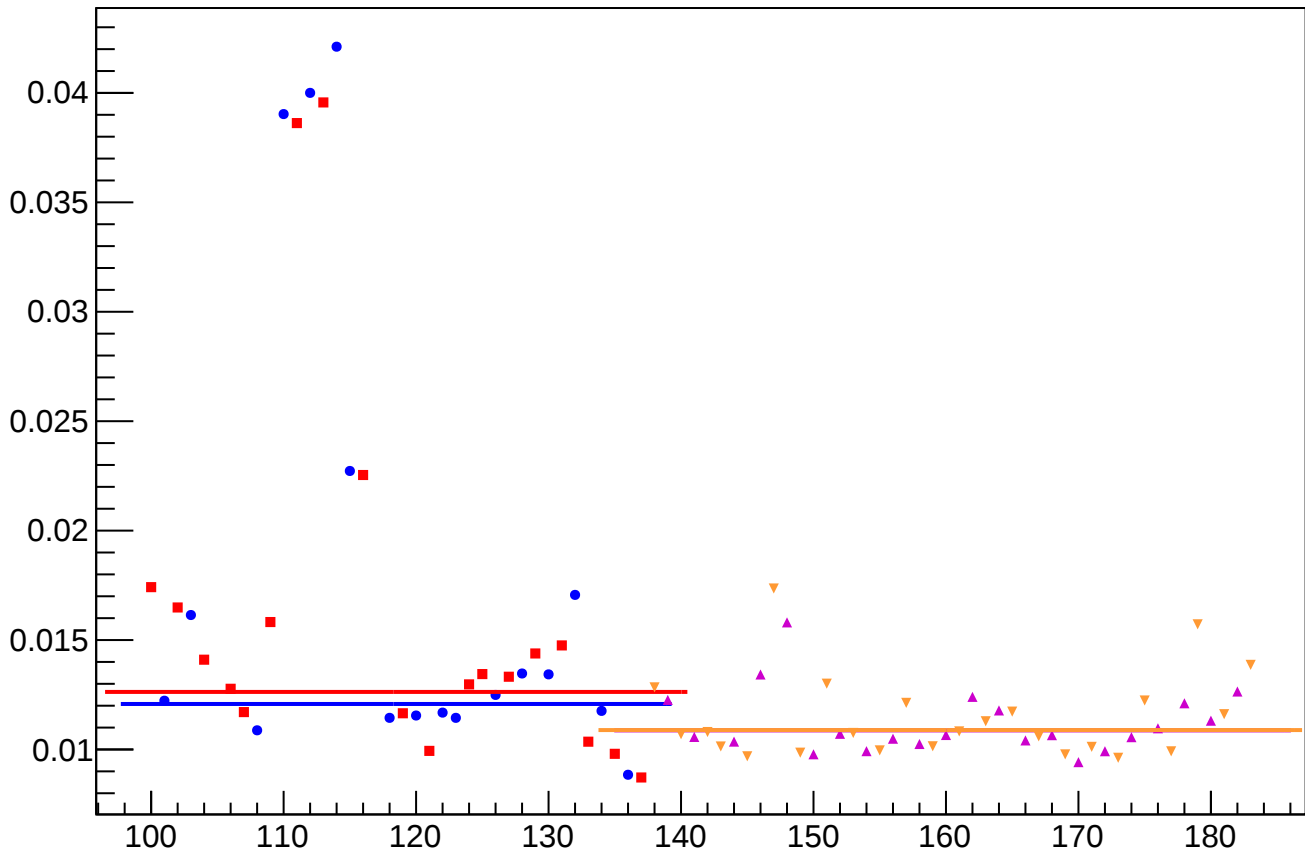
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58008149.2/21

+ sign 0.111 $\pm$ 0.000 χ^2 /NDF: 6975602198.9/40

All: 0.115 $\pm$ 0.000 χ^2 /NDF: 14801280151.1/8

- sign 0.119 $\pm$ 0.000 χ^2 /NDF: 7819430922.2/40

yield_bpm4ecY_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1276713.5/16

Left Out: 0.011 ± 0.000 χ^2/NDF : 595232.7/23

Right Out: 0.013 ± 0.000 χ^2/NDF : 1235880.5/18

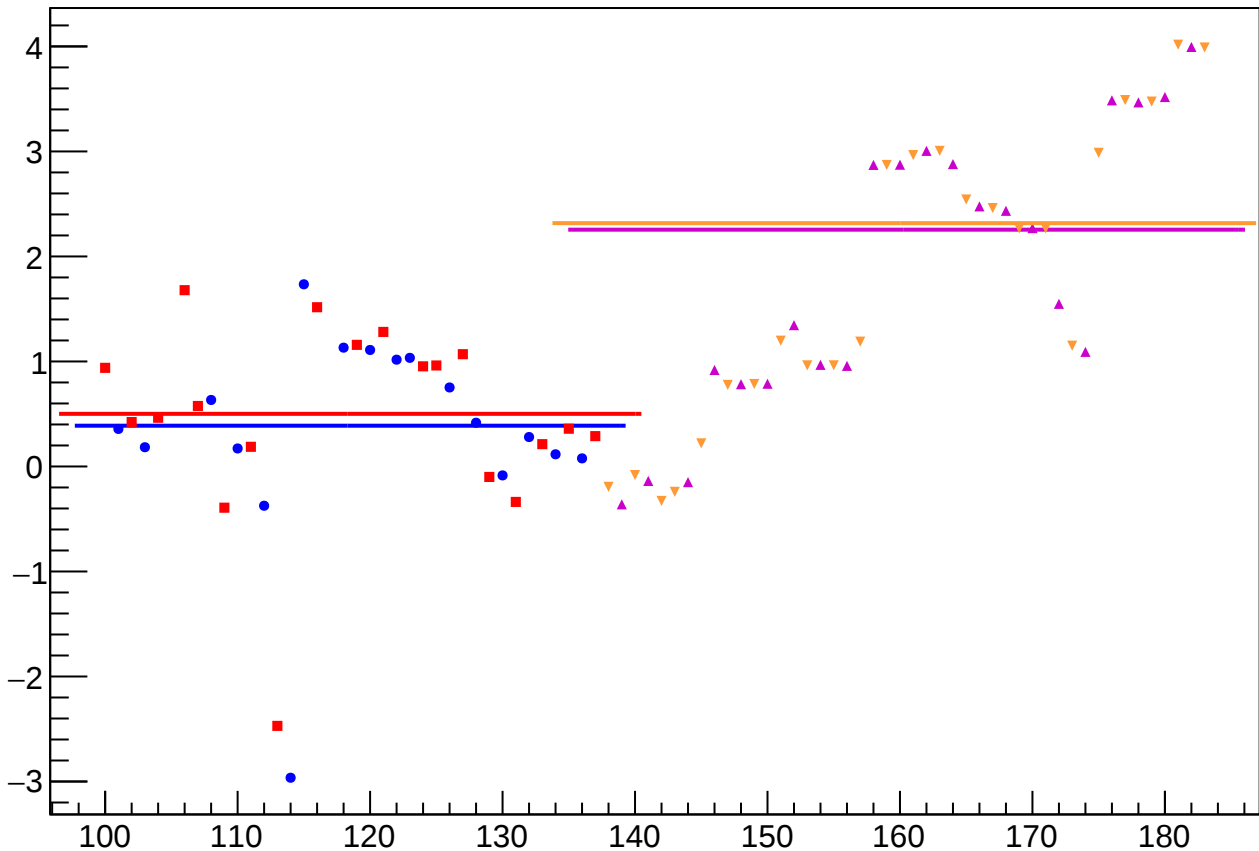
Left In: 0.011 ± 0.000 χ^2/NDF : 394333.7/21

+ sign 0.011 ± 0.000 χ^2/NDF : 1958470.7/40

All: 0.011 ± 0.000 χ^2/NDF : 3769744.3/81

- sign 0.011 ± 0.000 χ^2/NDF : 1809394.2/40

yield_bpm1X_mean vs Slug



Right In: 0.388 $\pm$ 0.000 χ^2 /NDF: 245257258.4/16

Left Out: 2.317 $\pm$ 0.000 χ^2 /NDF: 61071066342.2/23

Right Out: 0.501 $\pm$ 0.000 χ^2 /NDF: 983034937.0/18

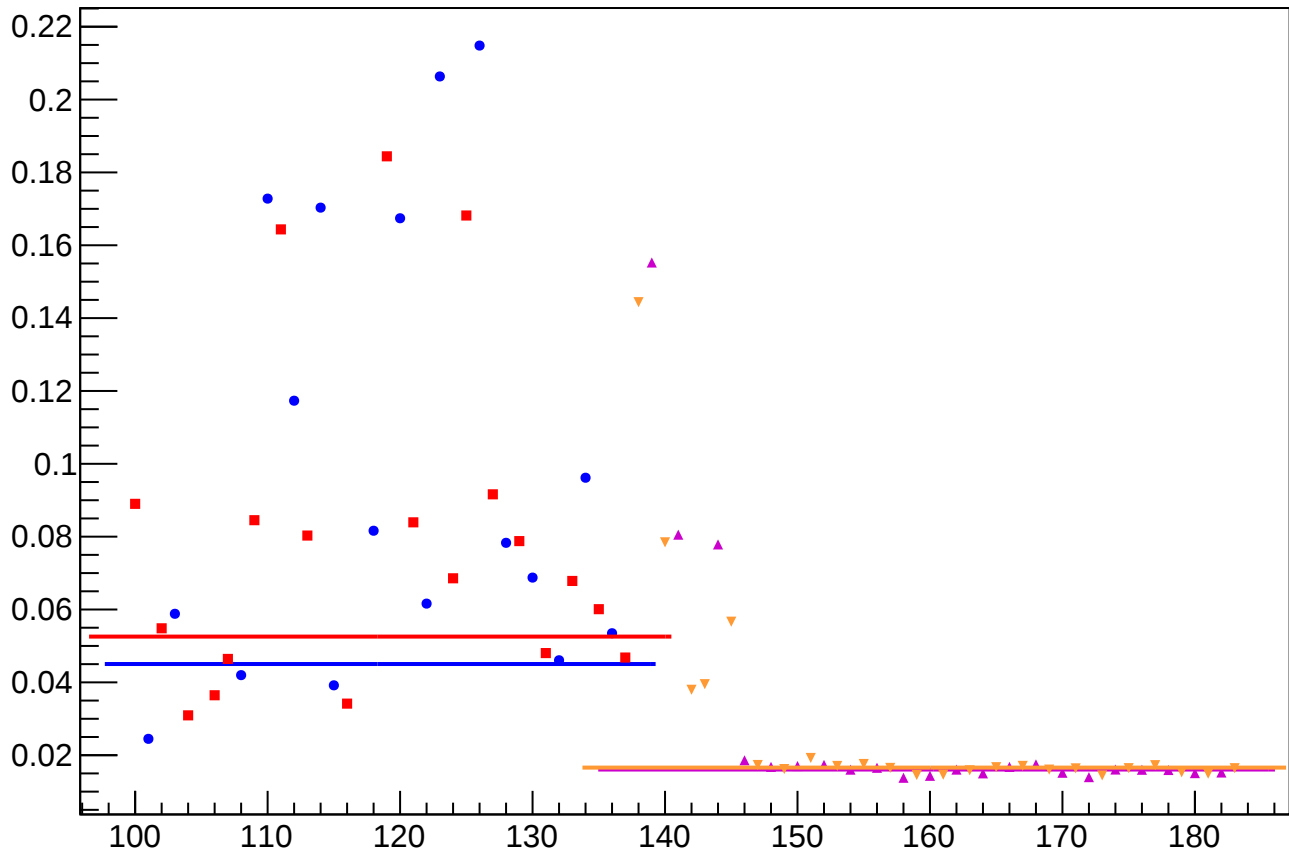
Left In: 2.255 $\pm$ 0.000 χ^2 /NDF: 57813036312.6/21

+ sign 2.252 $\pm$ 0.000 χ^2 /NDF: 67599349942.1/40

All: 2.228 $\pm$ 0.000 χ^2 /NDF: 130905923672.9

- sign 2.205 $\pm$ 0.000 χ^2 /NDF: 63248566113.0/40

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2830669.1/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2620247.4/23

Right Out: 0.053+/-0.000 χ^2/NDF : 2177690.7/18

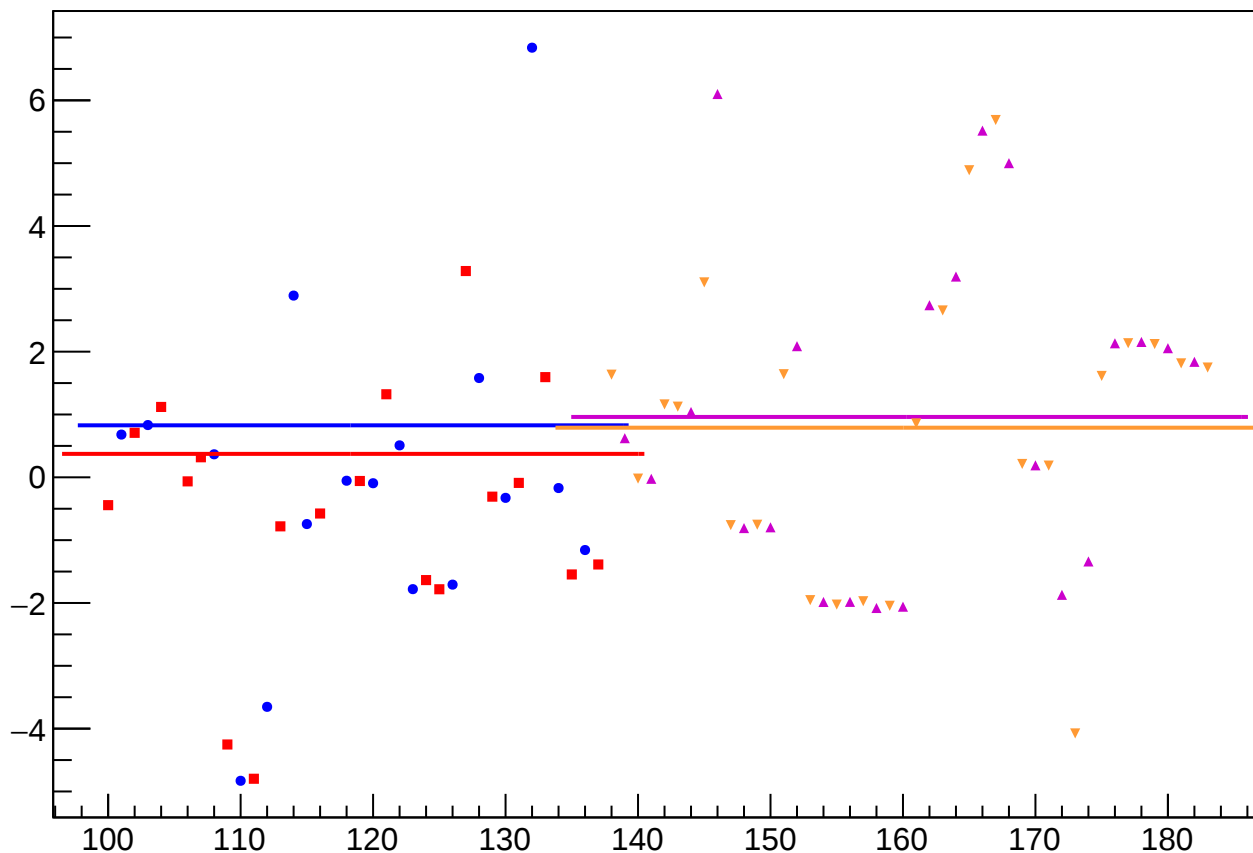
Left In: 0.016+/-0.000 χ^2/NDF : 2392711.6/21

+ sign 0.018+/-0.000 χ^2/NDF : 8182100.2/40

All: 0.017+/-0.000 χ^2/NDF : 16621203.3/81

- sign 0.017+/-0.000 χ^2/NDF : 8428485.0/40

yield_bpm1Y_mean vs Slug



Right In: 0.828 ± 0.000 χ^2/NDF : 10934615588.5/16

Left Out: 0.790 ± 0.000 χ^2/NDF : 506320995774.5/23

Right Out: 0.373 ± 0.000 χ^2/NDF : 4968052358.8/18

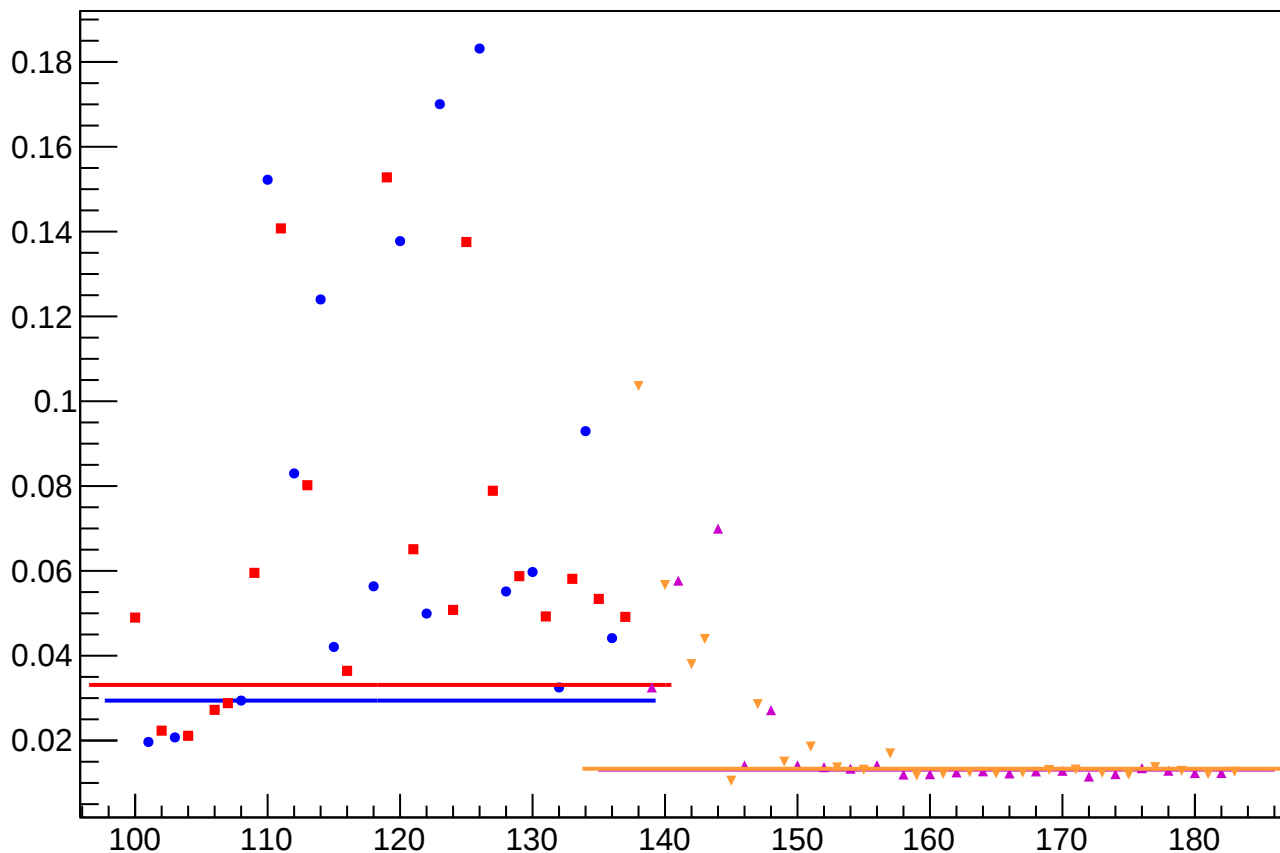
Left In: 0.961 ± 0.000 χ^2/NDF : 567136733677.0/21

+ sign 0.792 ± 0.000 χ^2/NDF : 517260952828.8/40

All: 0.864 ± 0.000 χ^2/NDF : 1091450540690.

- sign 0.937 ± 0.000 χ^2/NDF : 573264561565.5/40

yield_bpm1Y_rms vs Slug



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 3034312.5/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2829331.2/23

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 3078516.1/18

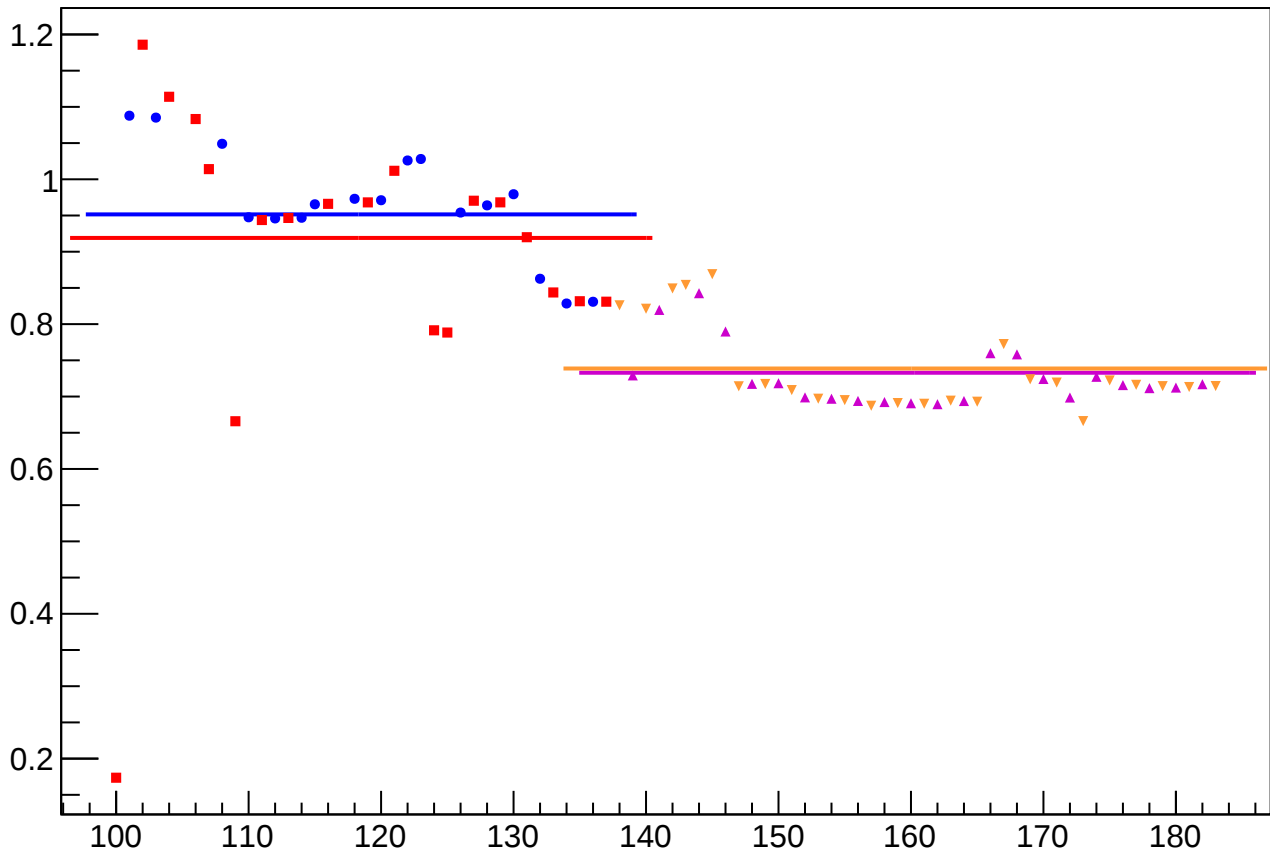
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1945113.1/21

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 7803859.3/40

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 15503019.6/81

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 7698031.5/40

yield_bpm11X_mean vs Slug



Right In: 0.952 $\pm$ 0.000 χ^2 /NDF: 173959453.0/16

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:309454271.5/23

+ sign 0.795 $\pm$ 0.000 χ^2 /NDF: 1508804404.7/40

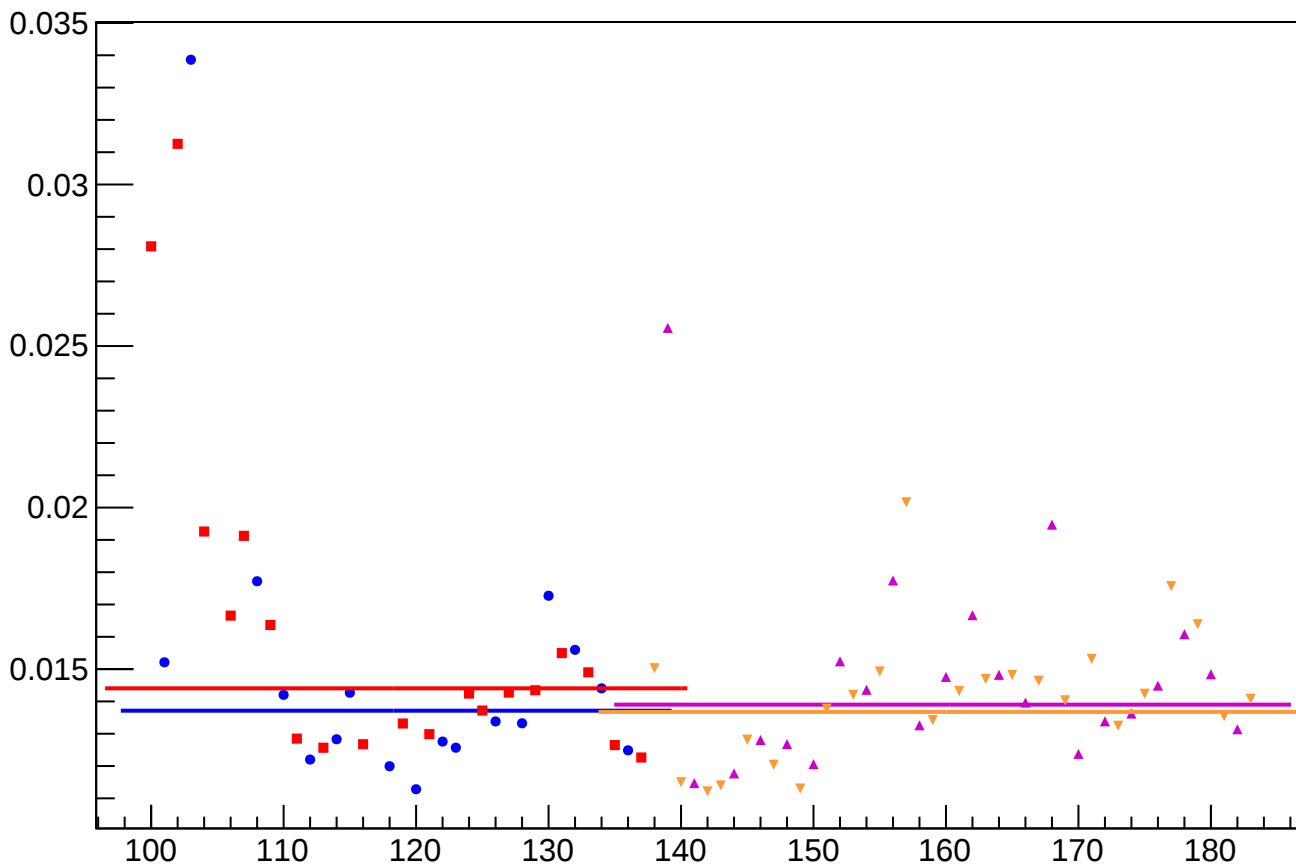
Right Out: 0.919 $\pm$ 0.000 χ^2 /NDF: 374715264.1/18

All: 0.789 $\pm$ 0.000 χ^2 /NDF: 2799500412.8/83

- sign 0.783 $\pm$ 0.000 χ^2 /NDF: 1282787292.1/40

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:169641654.4/21

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 546221.8/16

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:525304.1/23

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 502019.0/18

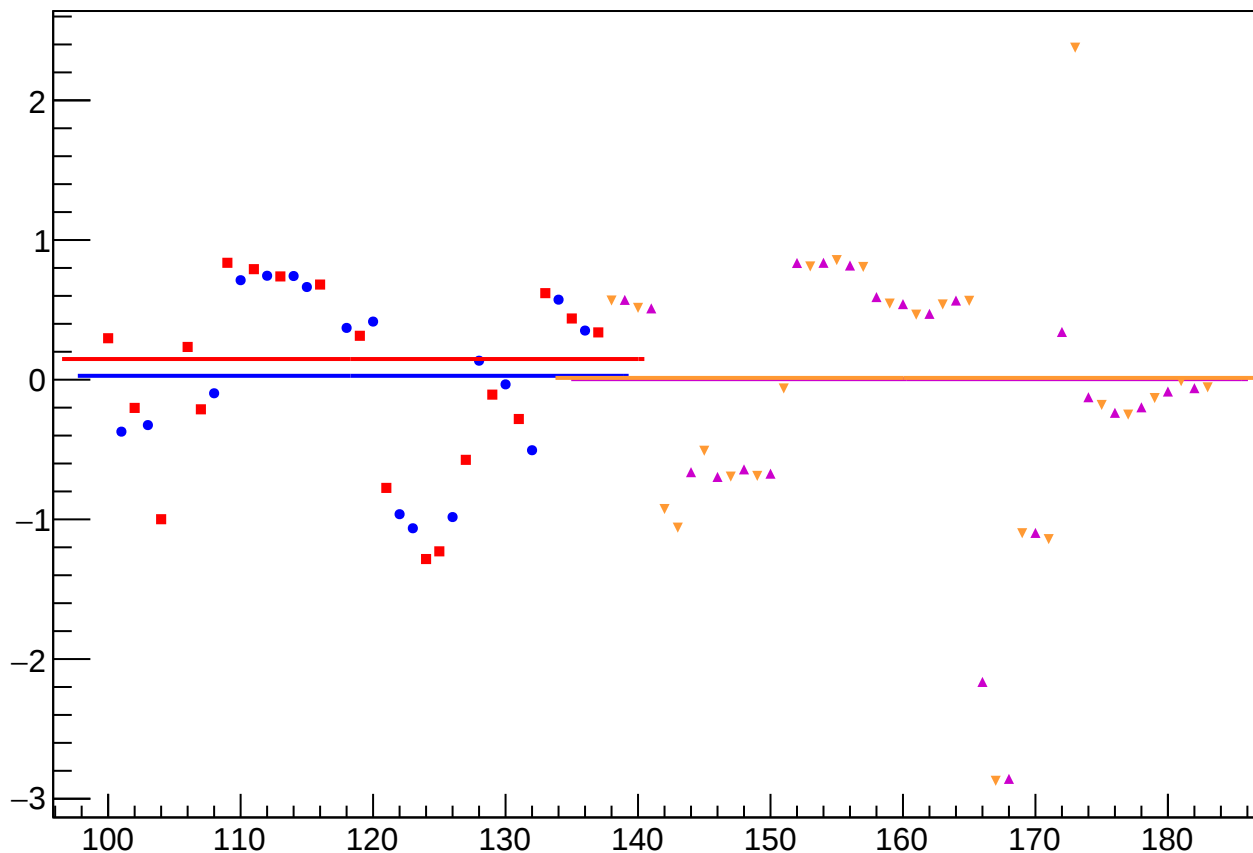
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:767631.0/21

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1071590.9/40

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2365941.0/81

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1280517.4/40

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6330660019.5/16

Left Out: 0.013+/-0.000 χ^2/NDF : 96382499604.7/23

Right Out: 0.148+/-0.000 χ^2/NDF : 12786884425.3/18

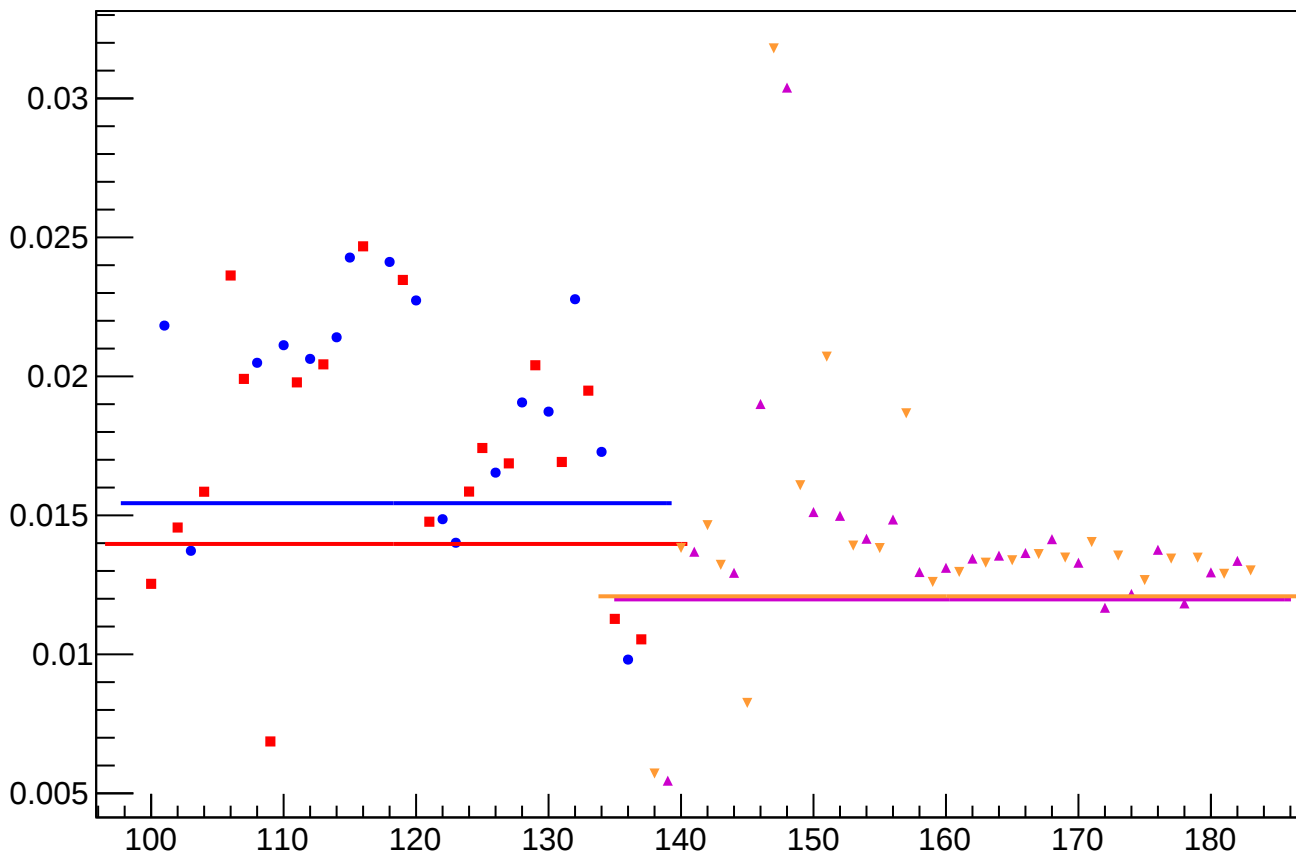
Left In: 0.004+/-0.000 χ^2/NDF : 78822272619.8/21

+ sign 0.015+/-0.000 χ^2/NDF : 102717542944.8/40

All: 0.025+/-0.000 χ^2/NDF : 194817219059.8

- sign 0.035+/-0.000 χ^2/NDF : 92073958258.2/40

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1160014.9/16

Left Out: 0.012+/-0.000 χ^2/NDF : 3098928.8/23

Right Out: 0.014+/-0.000 χ^2/NDF : 1556431.6/18

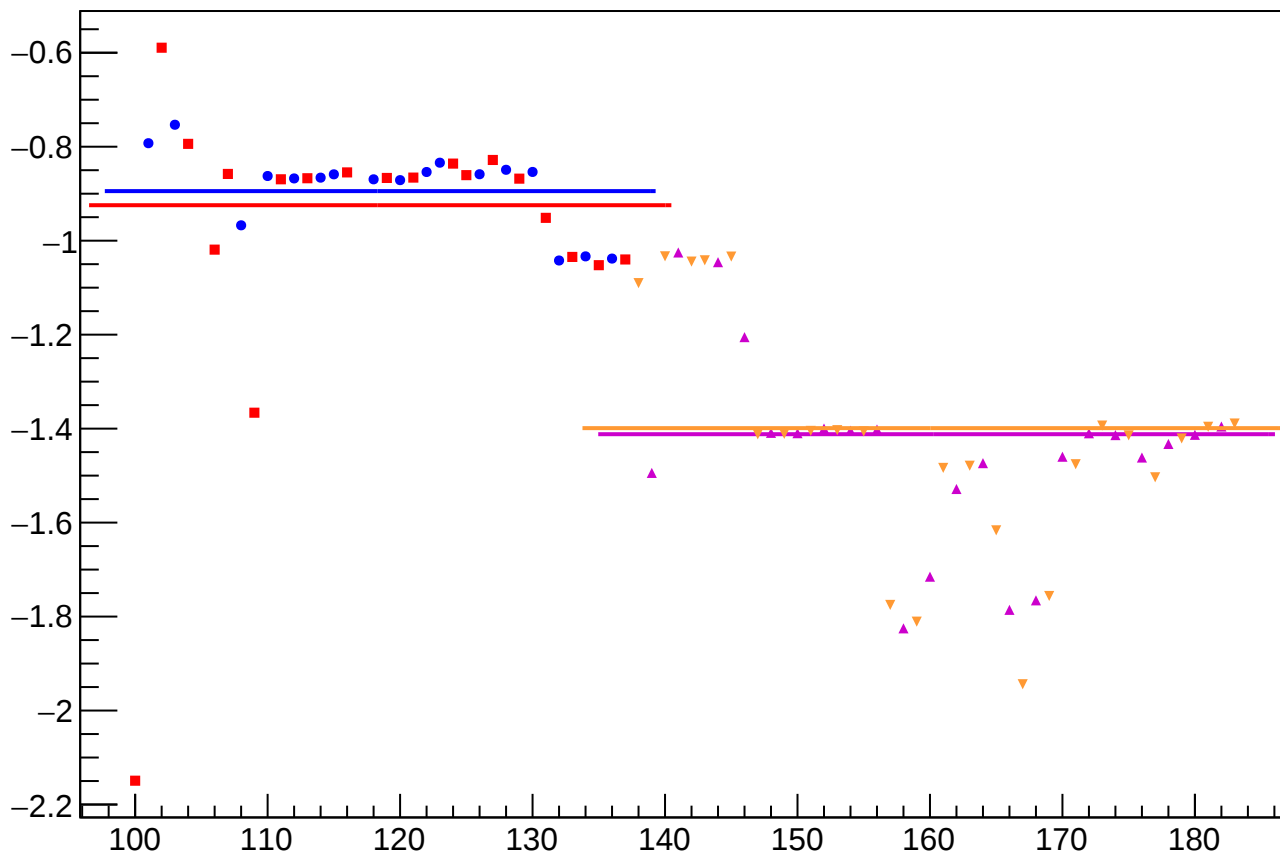
Left In: 0.012+/-0.000 χ^2/NDF : 2997197.8/21

+ sign 0.013+/-0.000 χ^2/NDF : 4694183.0/40

All: 0.013+/-0.000 χ^2/NDF : 9436407.6/81

- sign 0.012+/-0.000 χ^2/NDF : 4731912.4/40

yield_bpm12X_mean vs Slug



Right In: -0.895+/-0.000 χ^2/NDF : 37736129.8/16

Left Out: -1.399+/-0.000 χ^2/NDF : 738233097.7/23

Right Out: -0.925+/-0.000 χ^2/NDF : 128456555.8/18

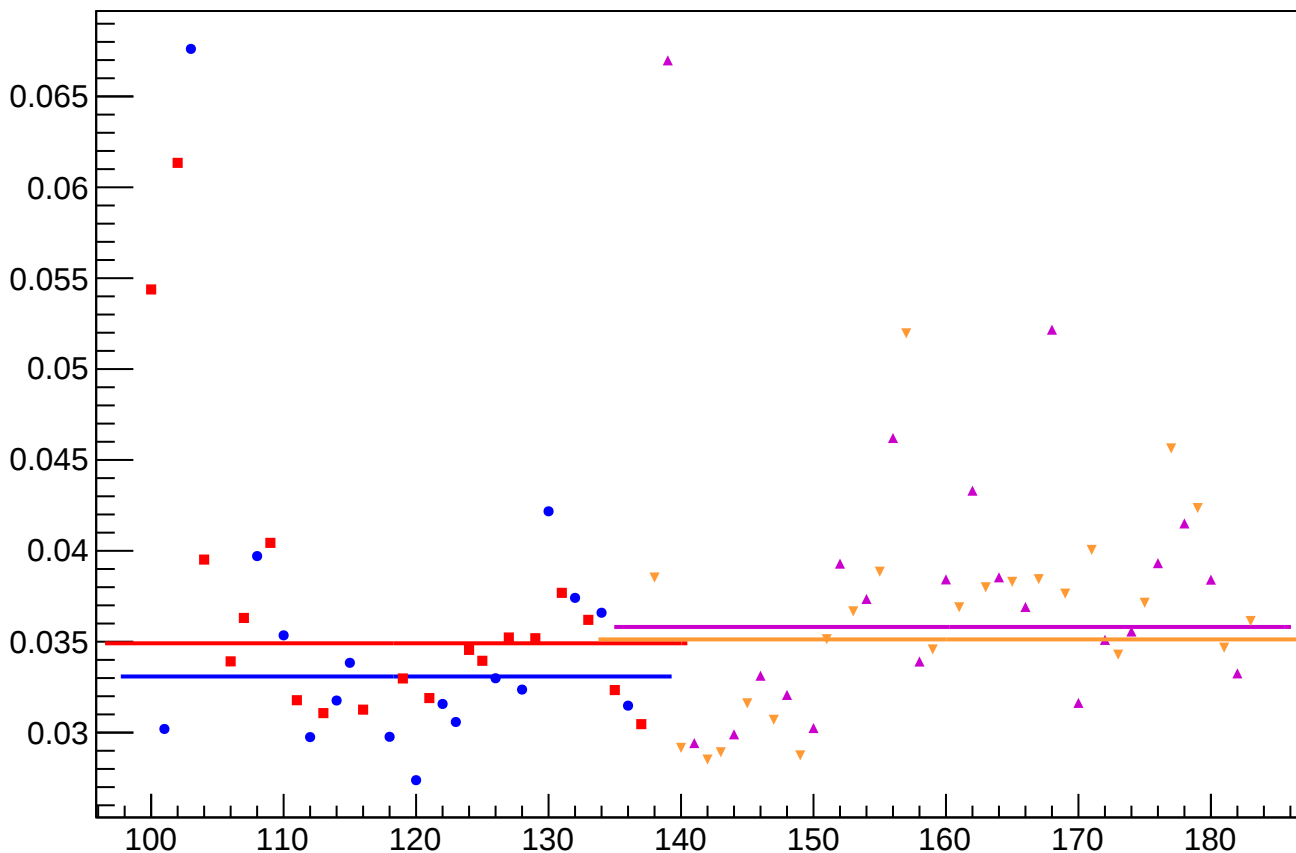
Left In: -1.412+/-0.000 χ^2/NDF : 512446779.5/21

+ sign -1.250+/-0.000 χ^2/NDF : 1735508952.2/40

All: -1.258+/-0.000 χ^2/NDF : 3214252438.3/8

- sign -1.265+/-0.000 χ^2/NDF : 1476787211.0/40

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 408714.5/16

Left Out: 0.035+/-0.000 χ^2/NDF : 592789.8/23

Right Out: 0.035+/-0.000 χ^2/NDF : 274757.5/18

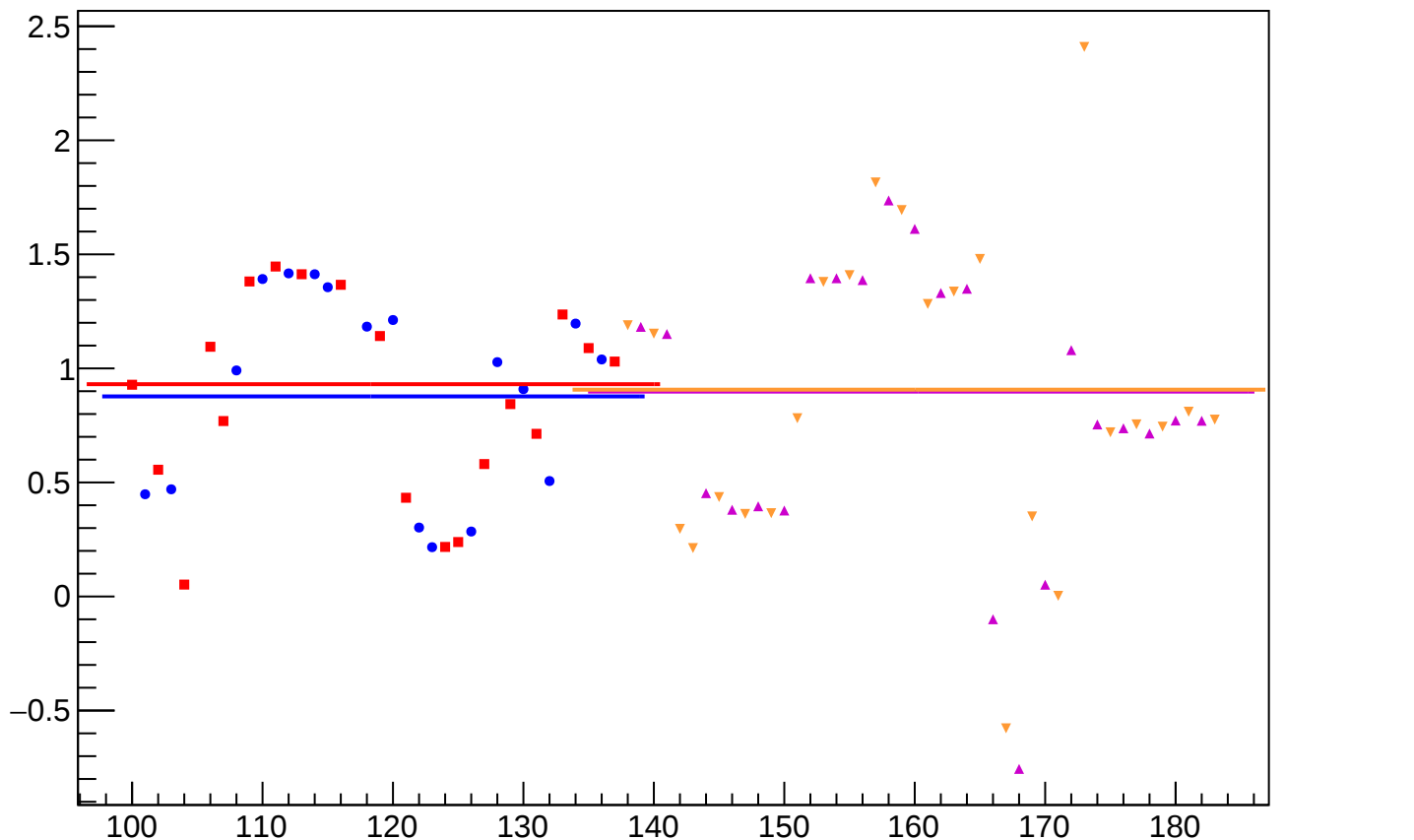
Left In: 0.036+/-0.000 χ^2/NDF : 864044.7/21

+ sign 0.035+/-0.000 χ^2/NDF : 1032902.1/40

All: 0.035+/-0.000 χ^2/NDF : 2195354.0/81

- sign 0.036+/-0.000 χ^2/NDF : 1144489.4/40

yield_bpm12Y_mean vs Slug



Right In: 0.877 $\pm$ 0.000 χ^2 /NDF: 6492530367.5/16

Left Out: 0.907 $\pm$ 0.000 χ^2 /NDF:84230738591.3/23

Right Out: 0.931 $\pm$ 0.000 χ^2 /NDF: 9963132374.2/18

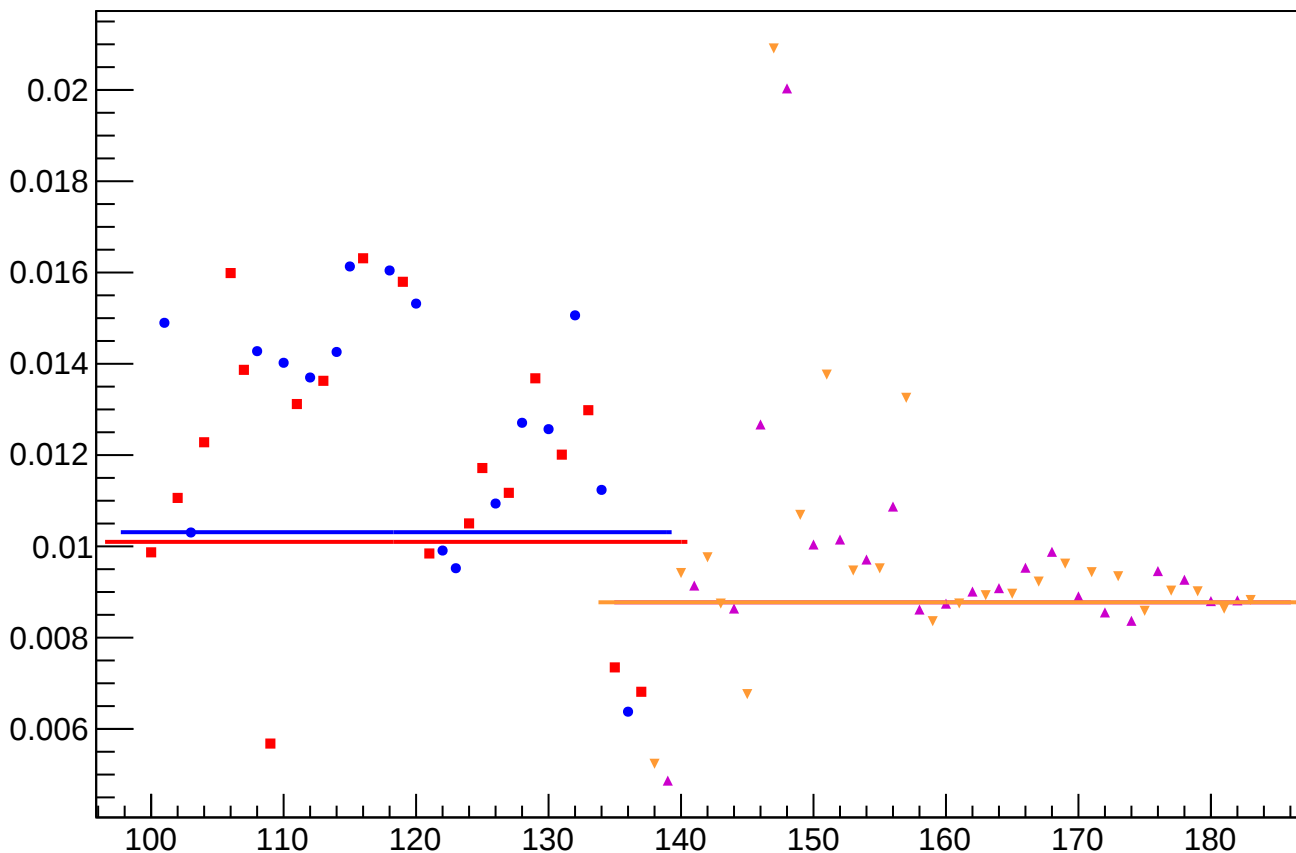
Left In: 0.898 $\pm$ 0.000 χ^2 /NDF:66544949428.8/21

+ sign 0.901 $\pm$ 0.000 χ^2 /NDF: 90760077972.5/40

All: 0.903 $\pm$ 0.000 χ^2 /NDF: 167317829851.3

- sign 0.905 $\pm$ 0.000 χ^2 /NDF: 76555091518.2/40

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 1229309.4/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1697042.5/23

Right Out: 0.010+/-0.000 χ^2/NDF : 1175272.9/18

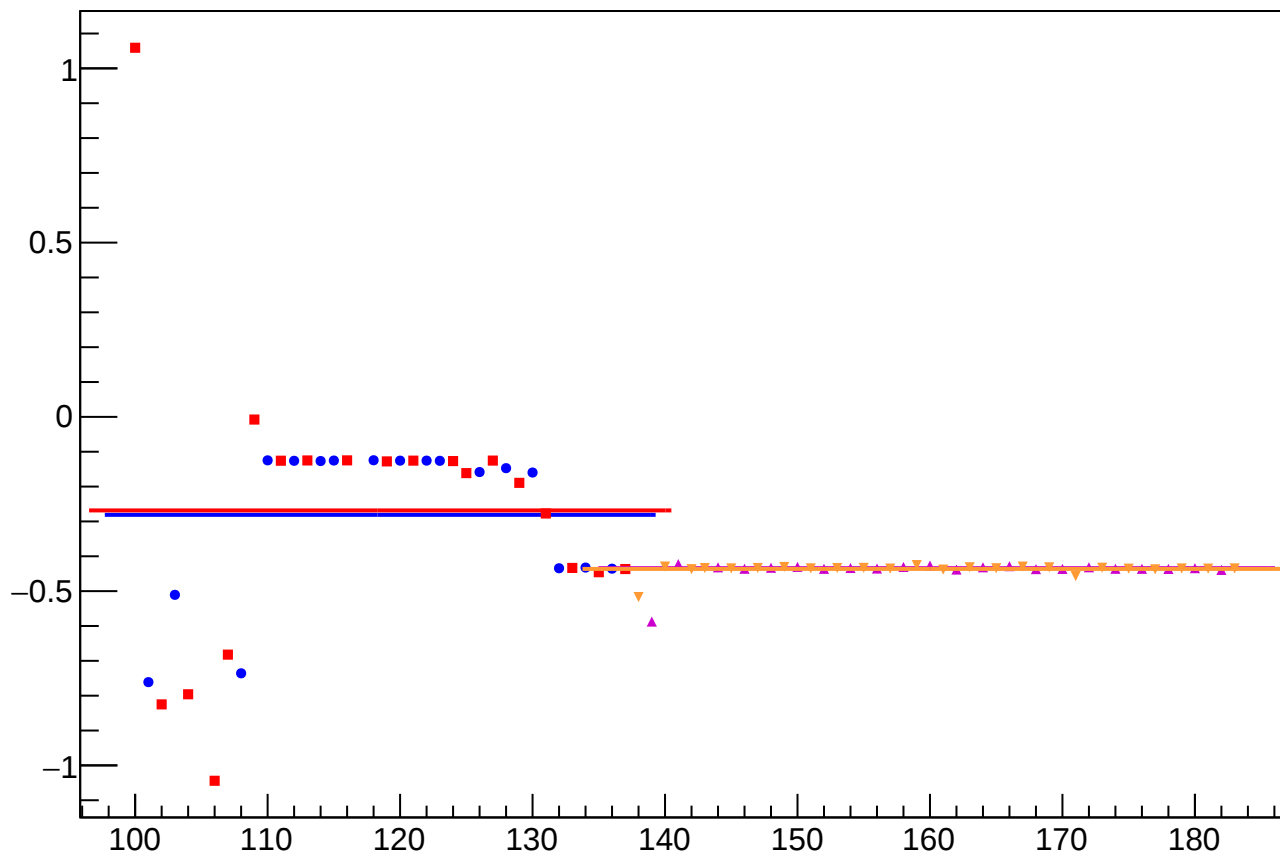
Left In: 0.009+/-0.000 χ^2/NDF : 1607930.5/21

+ sign 0.009+/-0.000 χ^2/NDF : 3125707.6/40

All: 0.009+/-0.000 χ^2/NDF : 6065081.1/81

- sign 0.009+/-0.000 χ^2/NDF : 2939352.6/40

yield_bpm16X_mean vs Slug



Right In: -0.281 ± 0.000 χ^2/NDF : 905834039.3/16

Left Out: -0.436 ± 0.000 χ^2/NDF : 28774547.4/23

Right Out: -0.268 ± 0.000 χ^2/NDF : 967576606.4/18

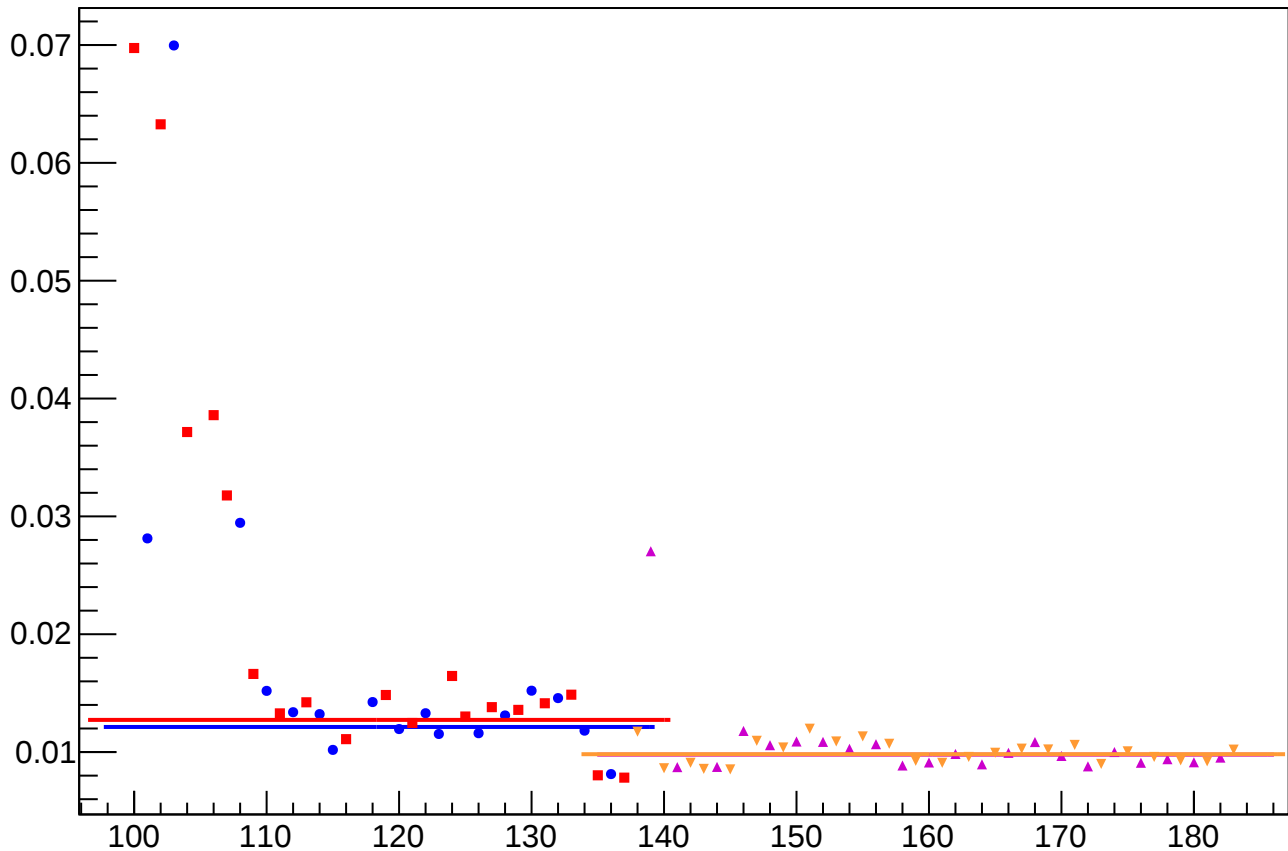
Left In: -0.434 ± 0.000 χ^2/NDF : 23981032.2/21

+ sign -0.410 ± 0.000 χ^2/NDF : 1575963273.0/40

All: -0.408 ± 0.000 χ^2/NDF : 3250587693.2/8

- sign -0.406 ± 0.000 χ^2/NDF : 1673278856.8/40

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1724778.2/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:269179.4/23

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1970038.2/18

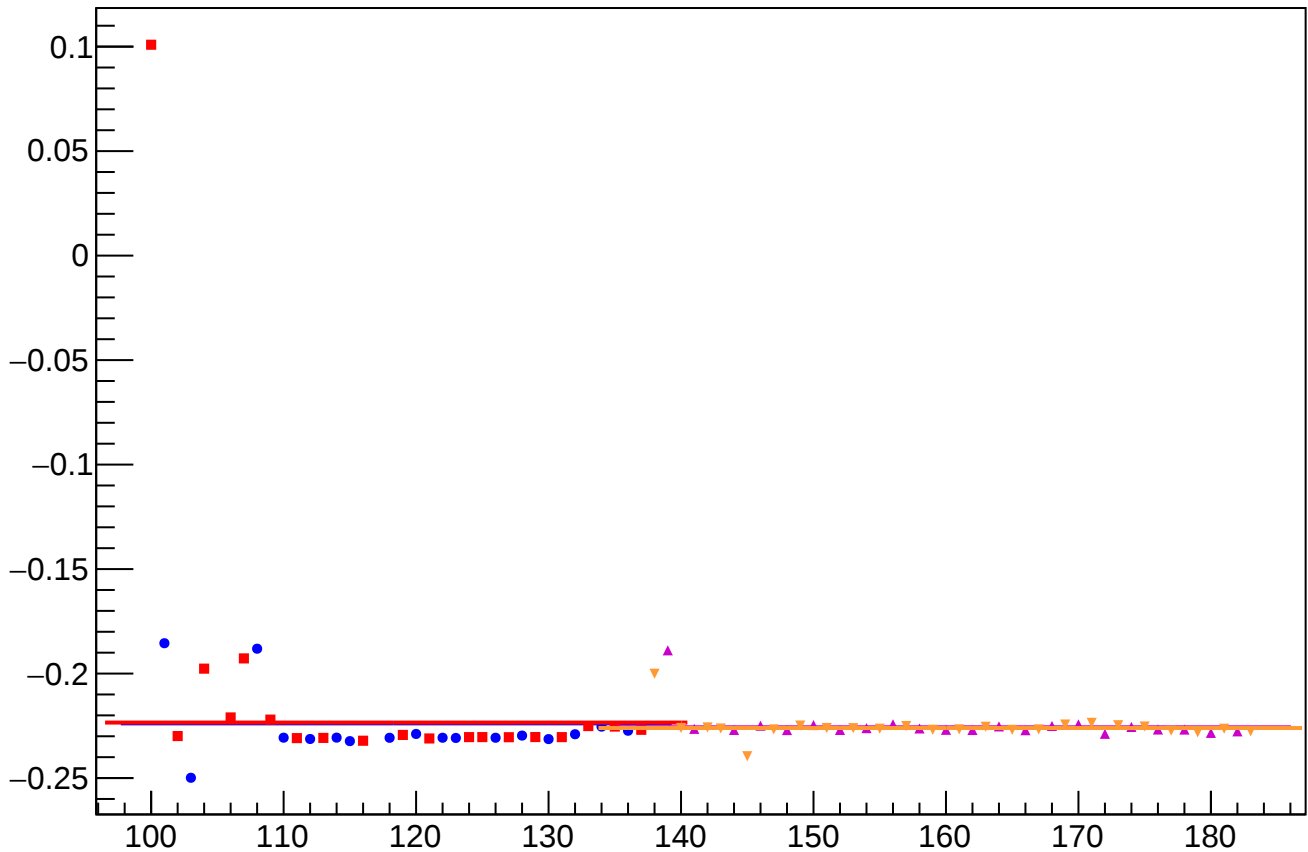
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:746750.1/21

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2278628.1/40

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5428208.1/81

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3148733.7/40

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74308262.0/16

Left Out: -0.226+/-0.000 χ^2/NDF : 21174737.4/23

+ sign -0.225+/-0.000 χ^2/NDF : 96455507.3/40

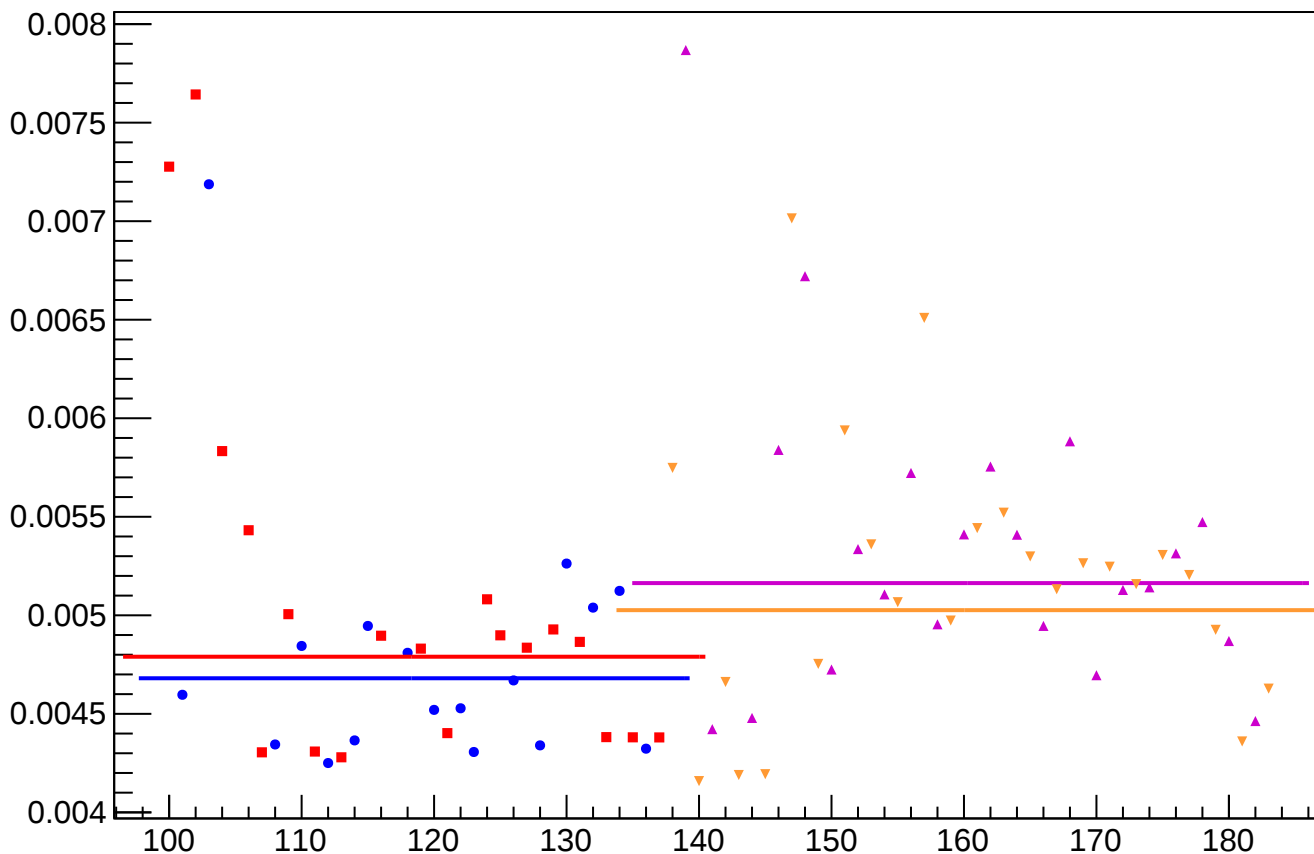
Right Out: -0.223+/-0.000 χ^2/NDF : 167796311.6/18

All: -0.225+/-0.000 χ^2/NDF : 280551214.7/81

- sign -0.225+/-0.000 χ^2/NDF : 184019290.5/40

Left In: -0.226+/-0.000 χ^2/NDF : 15243972.5/21

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180630.9/16

Left Out: 0.005+/-0.000 χ^2/NDF : 519047.6/23

Right Out: 0.005+/-0.000 χ^2/NDF : 248518.8/18

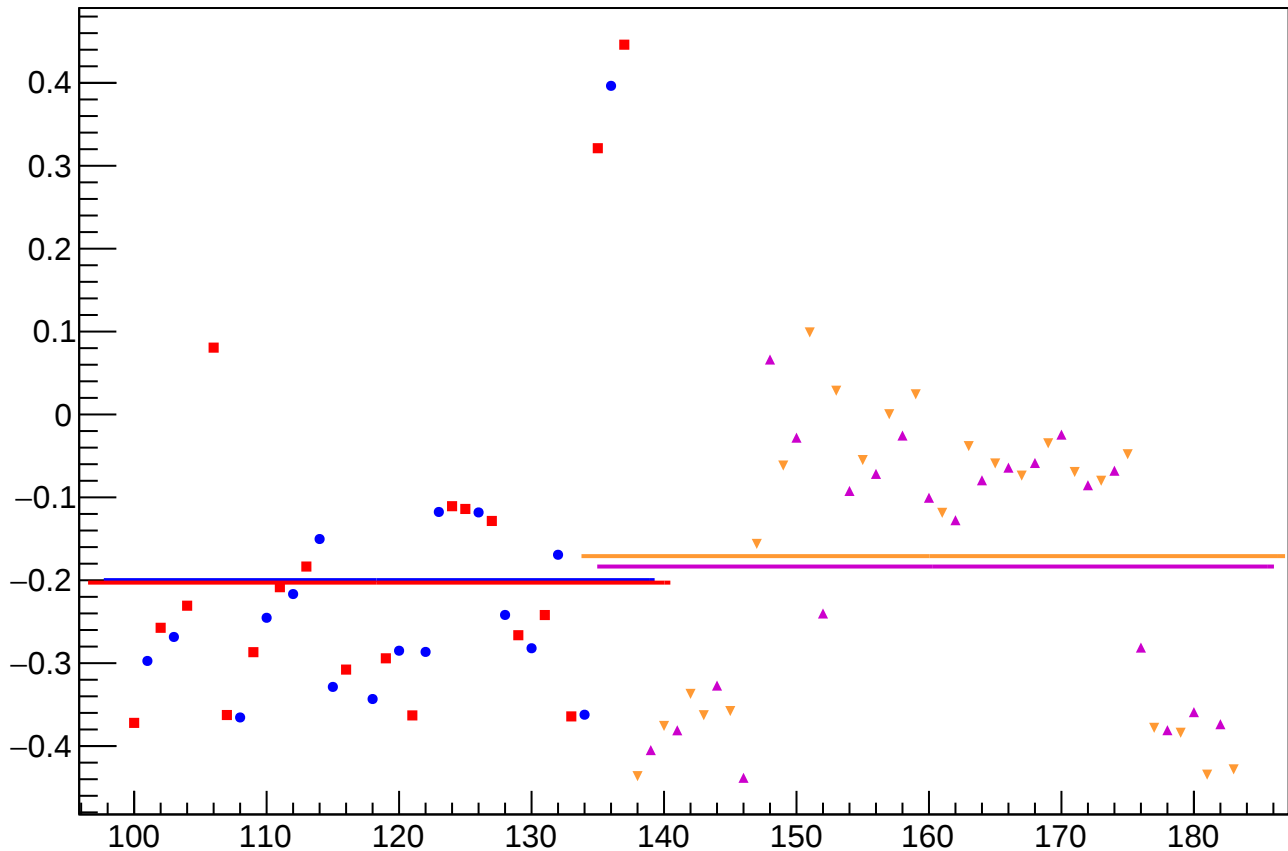
Left In: 0.005+/-0.000 χ^2/NDF : 476953.6/21

+ sign 0.005+/-0.000 χ^2/NDF : 746269.3/40

All: 0.005+/-0.000 χ^2/NDF : 1537805.0/81

- sign 0.005+/-0.000 χ^2/NDF : 778523.9/40

yield_bpm0i02X_mean vs Slug



Right In: -0.200 ± 0.000 χ^2/NDF : 5966157035.1/16

Left Out: -0.171 ± 0.000 χ^2/NDF : 17363571295.1/23

Right Out: -0.203 ± 0.000 χ^2/NDF : 5025528680.0/18

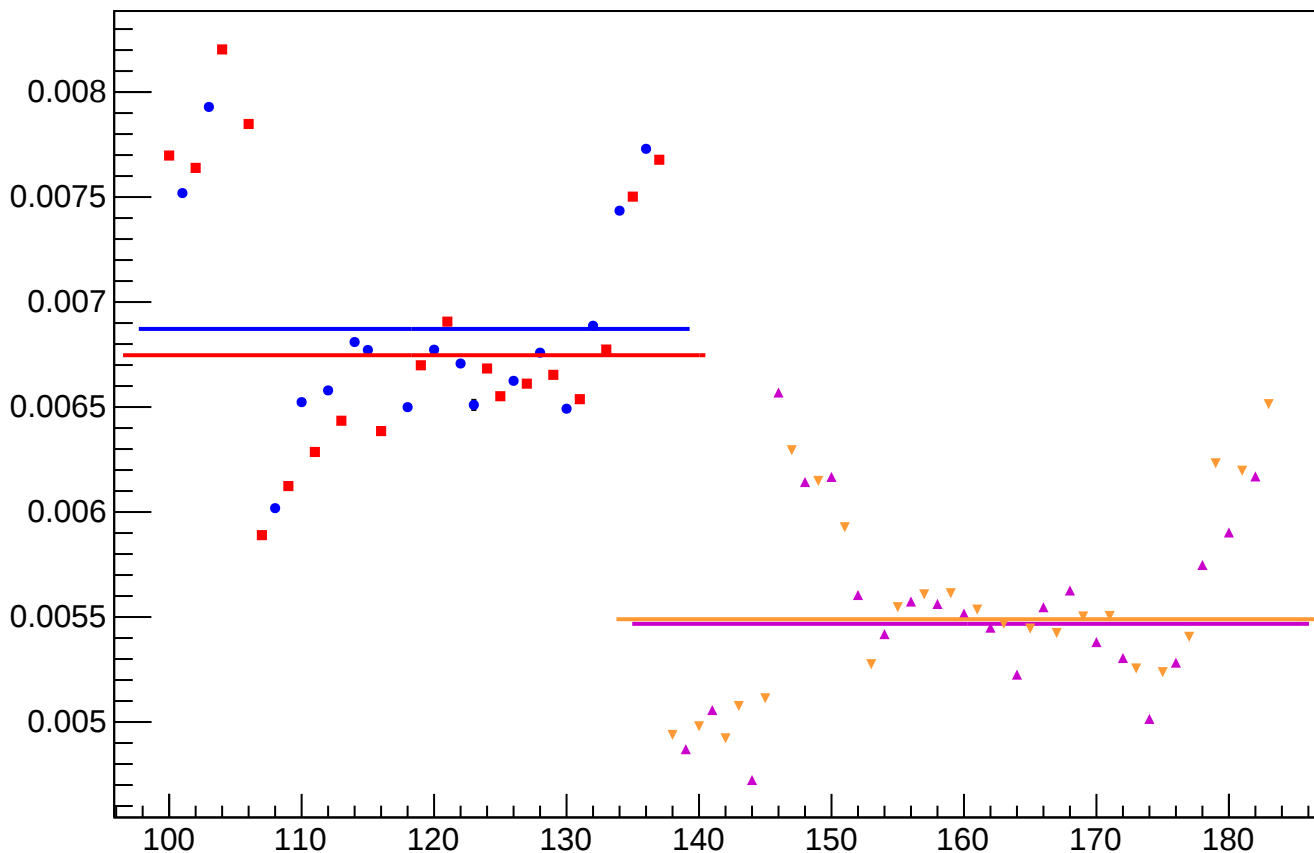
Left In: -0.183 ± 0.000 χ^2/NDF : 12227148736.0/21

+ sign -0.177 ± 0.000 χ^2/NDF : 23423034182.0/40

All: -0.182 ± 0.000 χ^2/NDF : 40763462353.2/40

- sign -0.188 ± 0.000 χ^2/NDF : 17297038555.6/40

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 78685.4/16

Left Out: 0.005+/-0.000 χ^2/NDF : 192621.0/23

Right Out: 0.007+/-0.000 χ^2/NDF : 105420.2/18

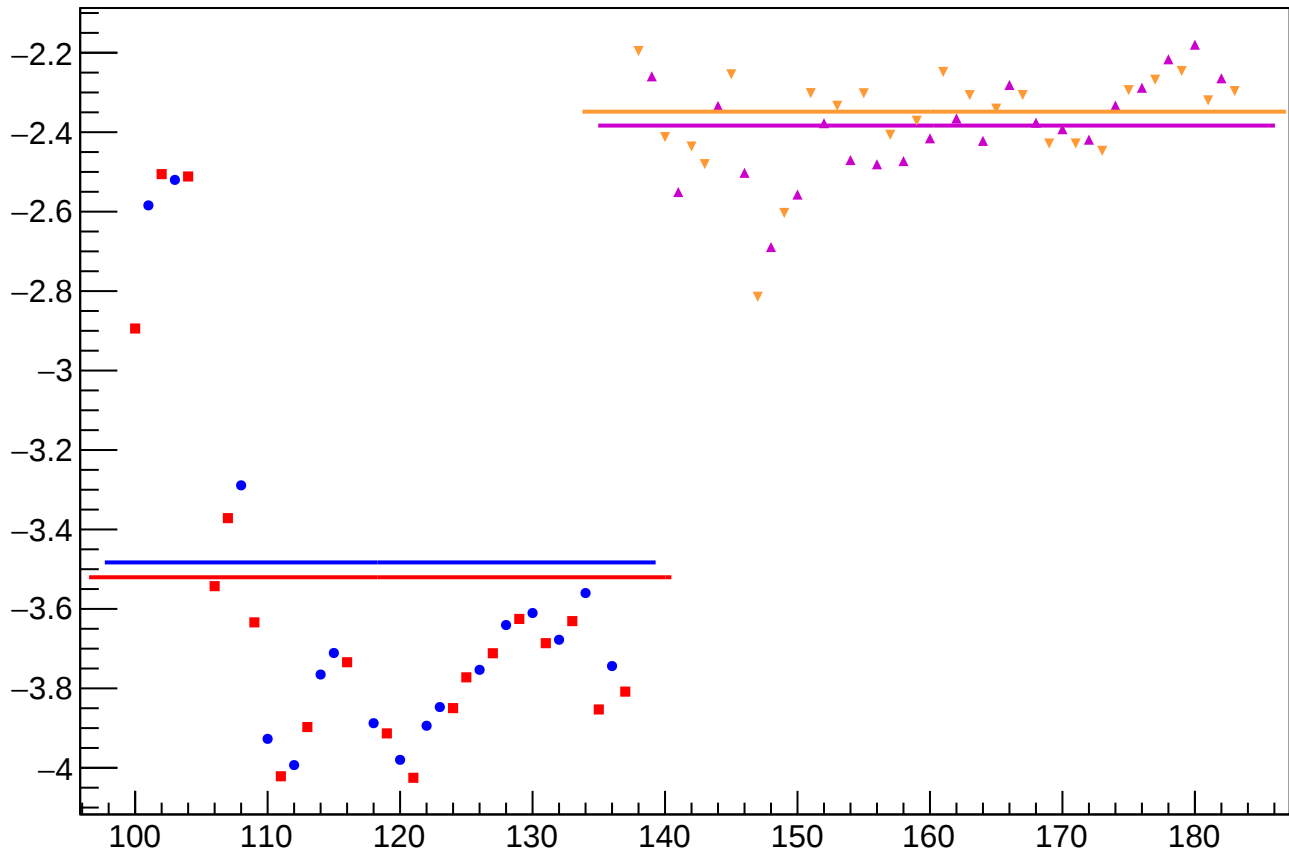
Left In: 0.005+/-0.000 χ^2/NDF : 195559.6/21

+ sign 0.006+/-0.000 χ^2/NDF : 697347.8/40

All: 0.006+/-0.000 χ^2/NDF : 1383736.3/81

- sign 0.006+/-0.000 χ^2/NDF : 686277.4/40

yield_bpm0i02Y_mean vs Slug



Right In: -3.483+/-0.000 χ^2/NDF : 27157654838.2/16

Left Out: -2.348+/-0.000 χ^2/NDF : 2158578998.6/23

Right Out: -3.520+/-0.000 χ^2/NDF : 26453336521.2/18

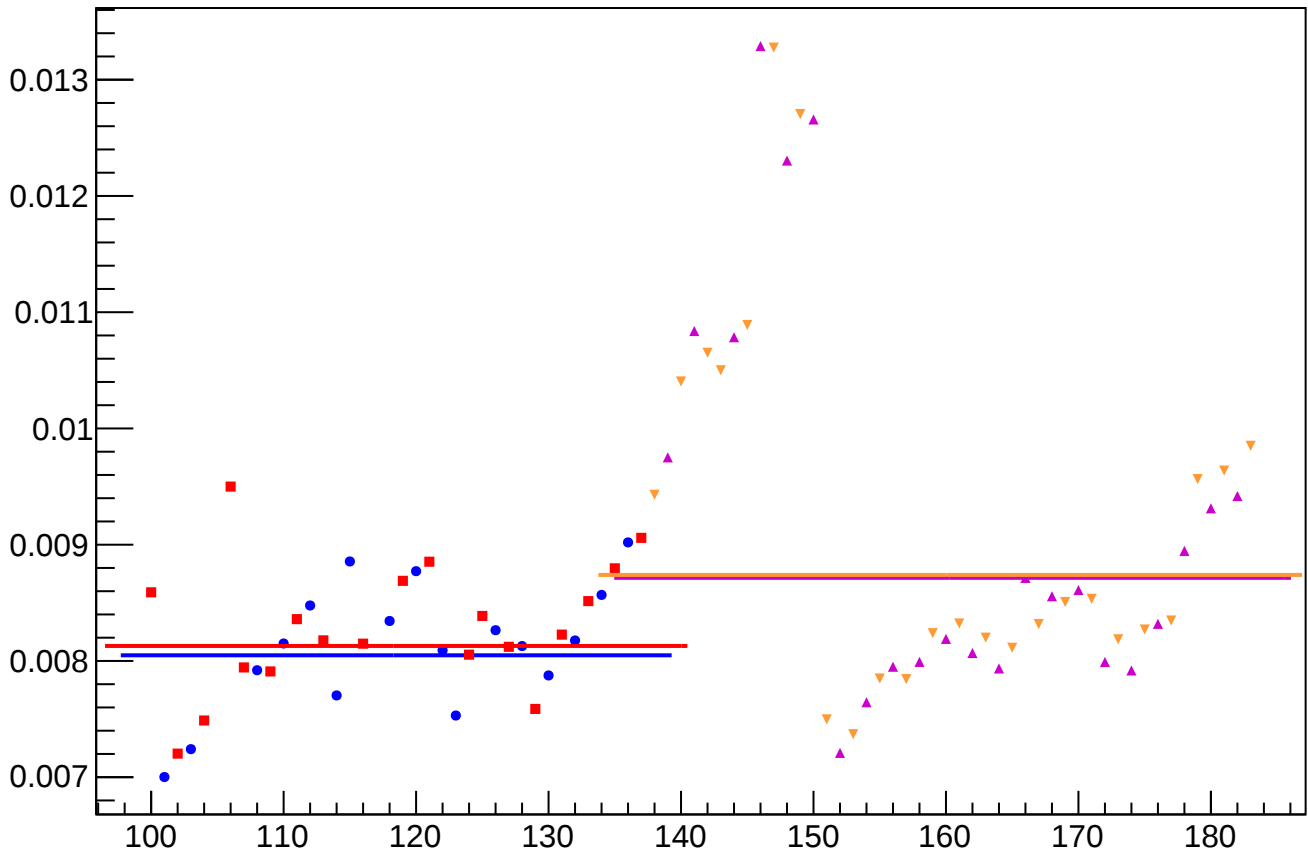
Left In: -2.383+/-0.000 χ^2/NDF : 2294985683.4/21

+ sign -2.701+/-0.000 χ^2/NDF : 118167684116.8/40

All: -2.728+/-0.000 χ^2/NDF : 236231812131.7

- sign -2.756+/-0.000 χ^2/NDF : 117584490318.6/40

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 72176.4/16

Left Out: 0.009+/-0.000 χ^2/NDF : 658713.1/23

Right Out: 0.008+/-0.000 χ^2/NDF : 57777.8/18

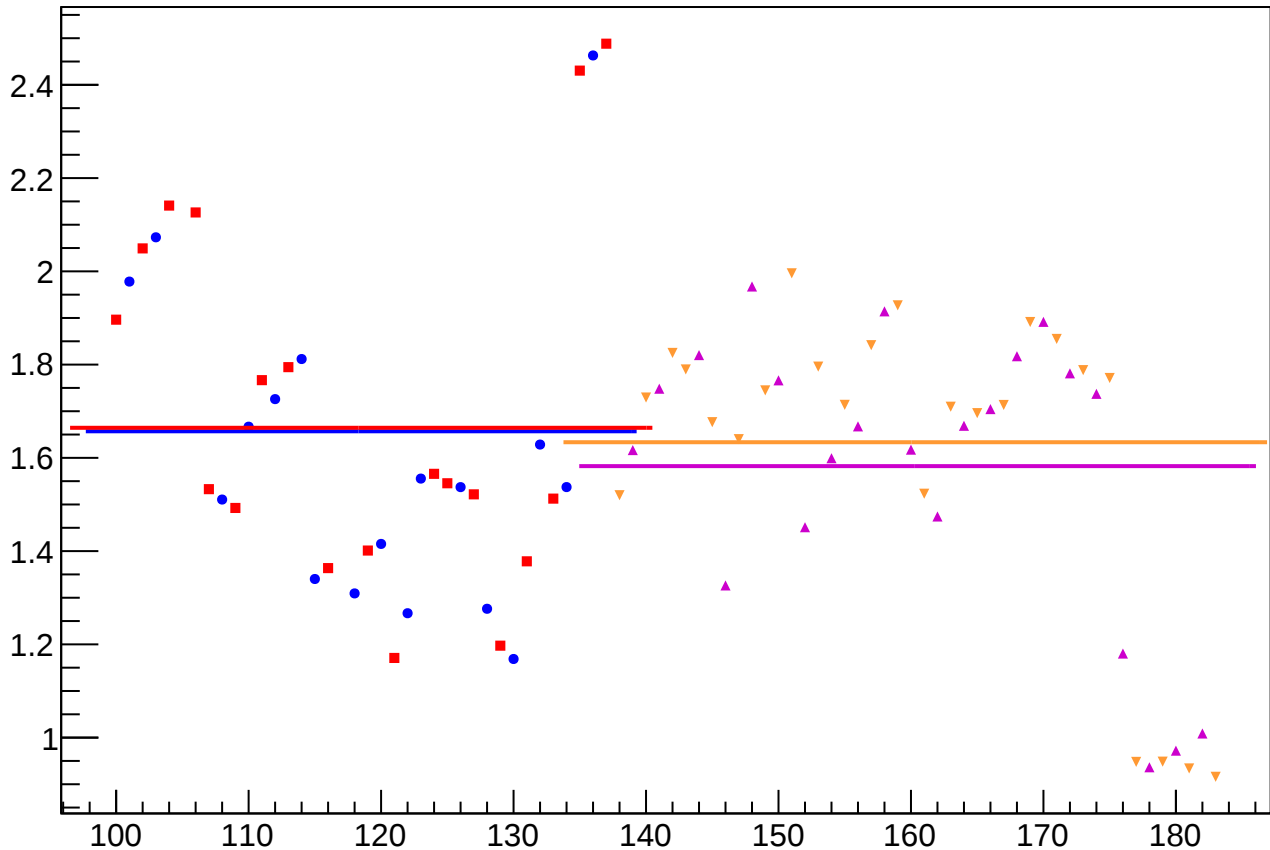
Left In: 0.009+/-0.000 χ^2/NDF : 747083.5/21

+ sign 0.009+/-0.000 χ^2/NDF : 796871.8/40

All: 0.009+/-0.000 χ^2/NDF : 1648914.4/81

- sign 0.009+/-0.000 χ^2/NDF : 852041.1/40

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF : 6432420267.9/16

Left Out: 1.634+/-0.000 χ^2/NDF :15483333665.9/23

+ sign 1.638+/-0.000 χ^2/NDF : 21933478562.4/40

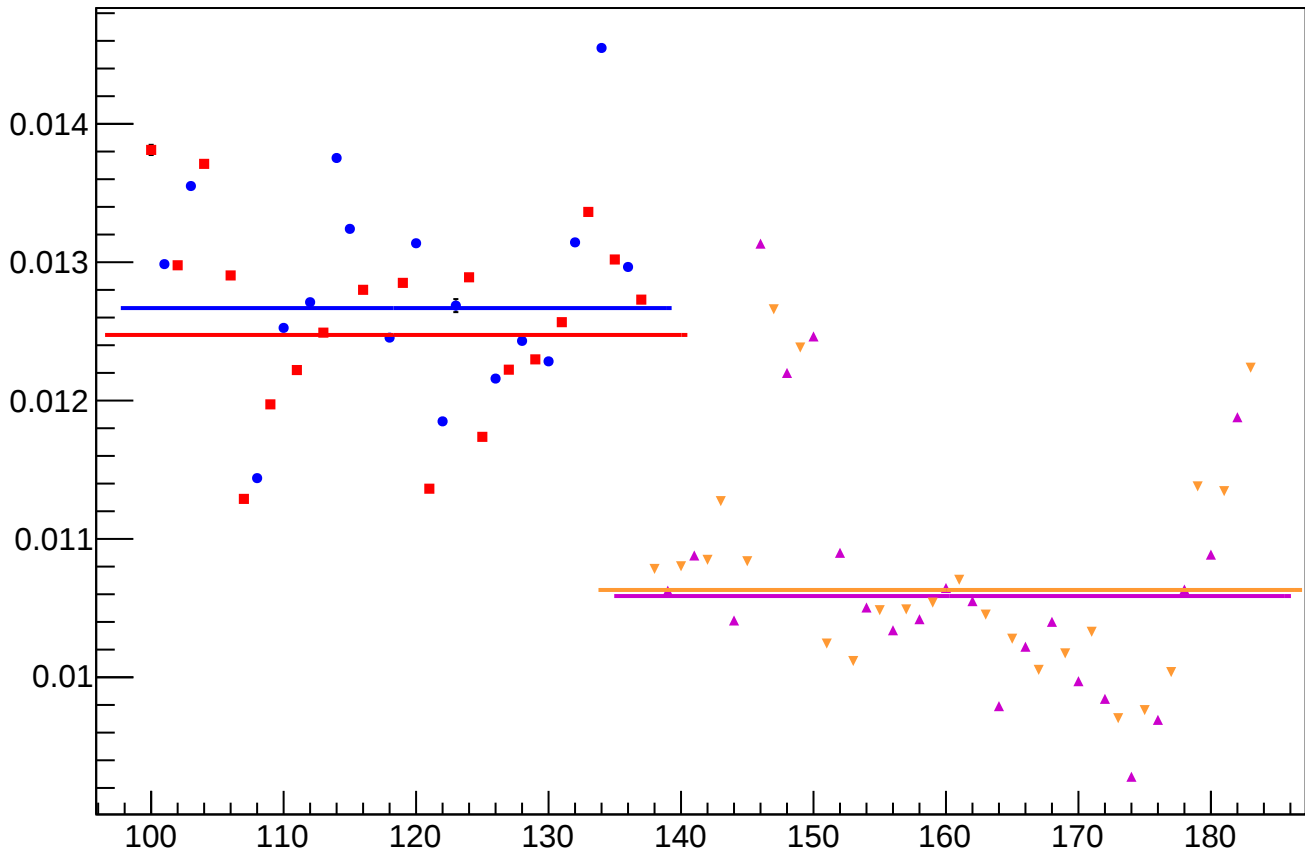
Right Out: 1.664+/-0.000 χ^2/NDF : 5940917748.5/18

All: 1.620+/-0.000 χ^2/NDF : 41392682626.4/8

- sign 1.601+/-0.000 χ^2/NDF : 19327312027.6/40

Left In: 1.582+/-0.000 χ^2/NDF :13157444449.0/21

yield_bpm0i02aX_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 31725.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:157268.8/23

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 38559.4/18

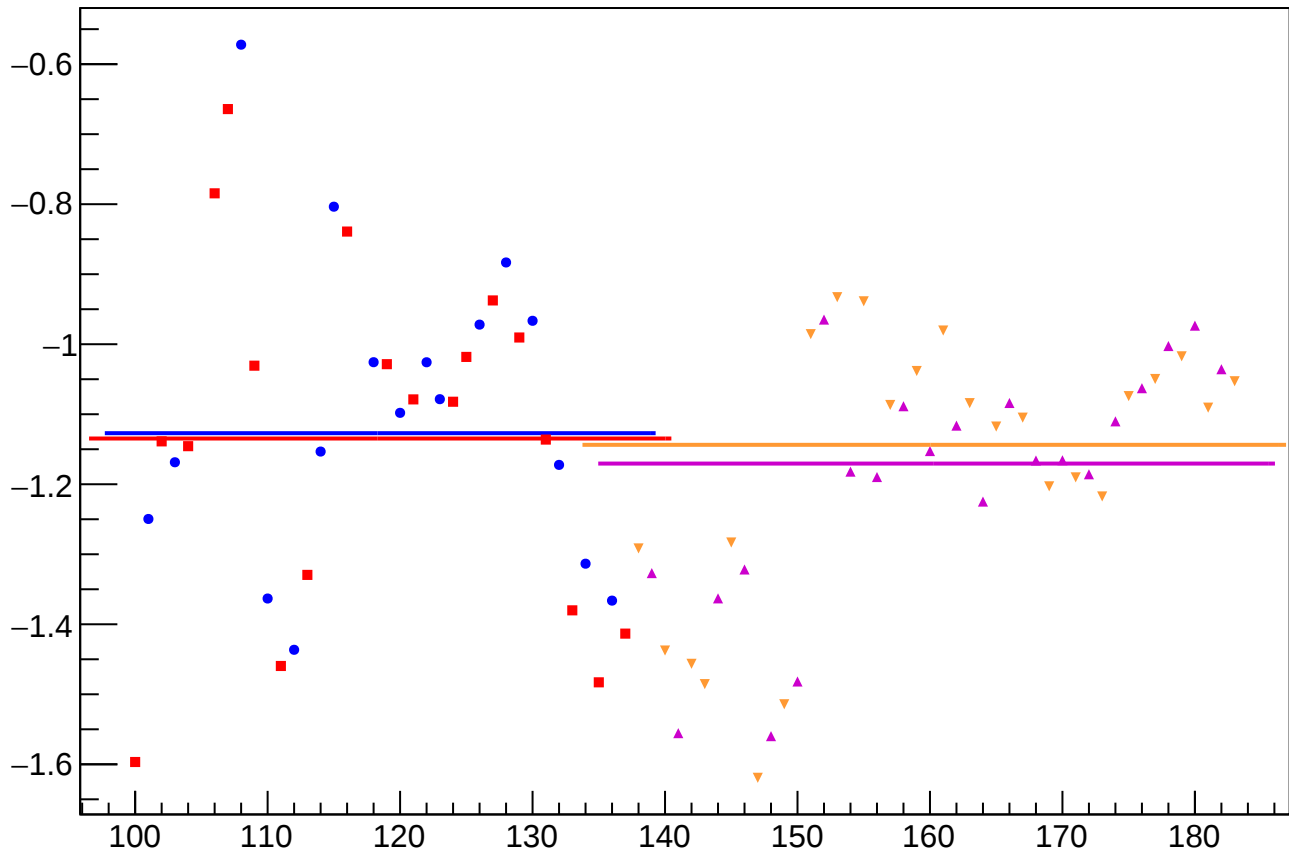
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:201570.2/21

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 456458.9/40

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 937970.3/81

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 481327.3/40

yield_bpm0i02aY_mean vs Slug



Right In: -1.127+/-0.000 χ^2/NDF : 3546179478.6/16

Left Out: -1.144+/-0.000 χ^2/NDF : 7974413342.9/23

Right Out: -1.135+/-0.000 χ^2/NDF : 3674870672.6/18

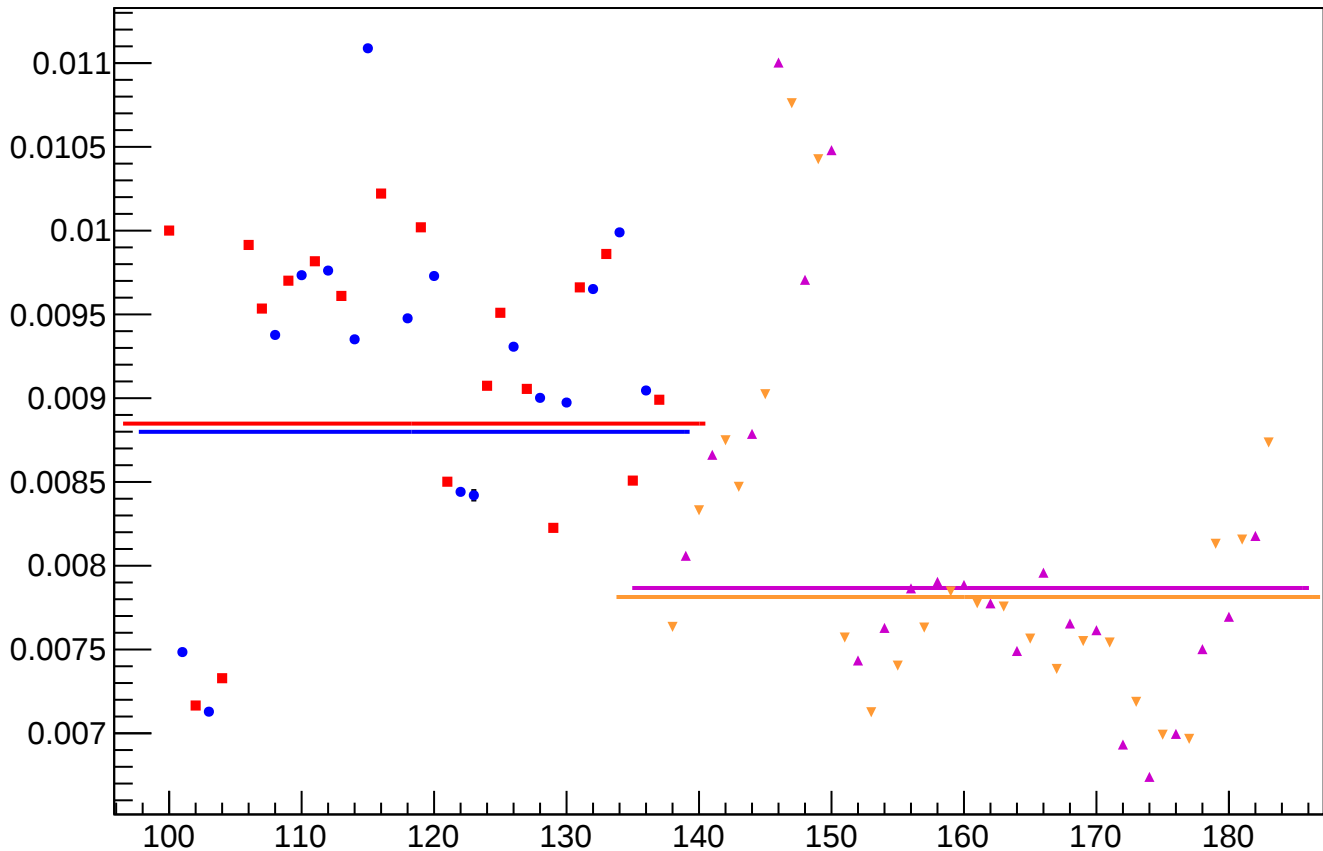
Left In: -1.170+/-0.000 χ^2/NDF : 6311625829.9/21

+ sign -1.140+/-0.000 χ^2/NDF : 11538088372.2/40

All: -1.150+/-0.000 χ^2/NDF : 21688713266.2/40

- sign -1.162+/-0.000 χ^2/NDF : 10067775358.5/40

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 151524.0/16

Left Out: 0.008+/-0.000 χ^2/NDF : 331934.5/23

Right Out: 0.009+/-0.000 χ^2/NDF : 174016.9/18

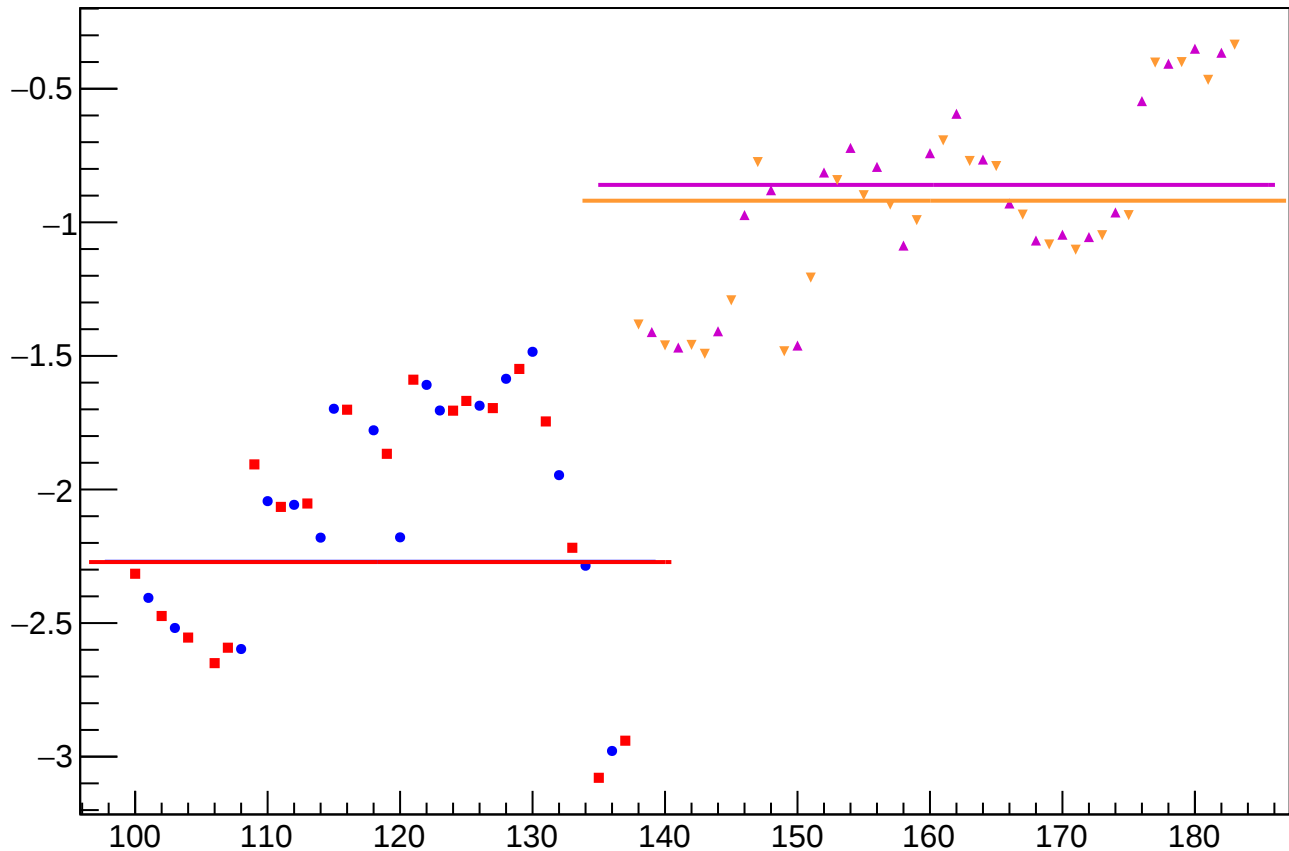
Left In: 0.008+/-0.000 χ^2/NDF : 379894.9/21

+ sign 0.008+/-0.000 χ^2/NDF : 606454.2/40

All: 0.008+/-0.000 χ^2/NDF : 1284242.1/81

- sign 0.008+/-0.000 χ^2/NDF : 676066.8/40

yield_bpm0i05X_mean vs Slug



Right In: -2.271+/-0.000 χ^2/NDF : 17322622121.9/16

Left Out: -0.919+/-0.000 χ^2/NDF : 47334888750.2/23

Right Out: -2.272+/-0.000 χ^2/NDF : 19002792241.6/18

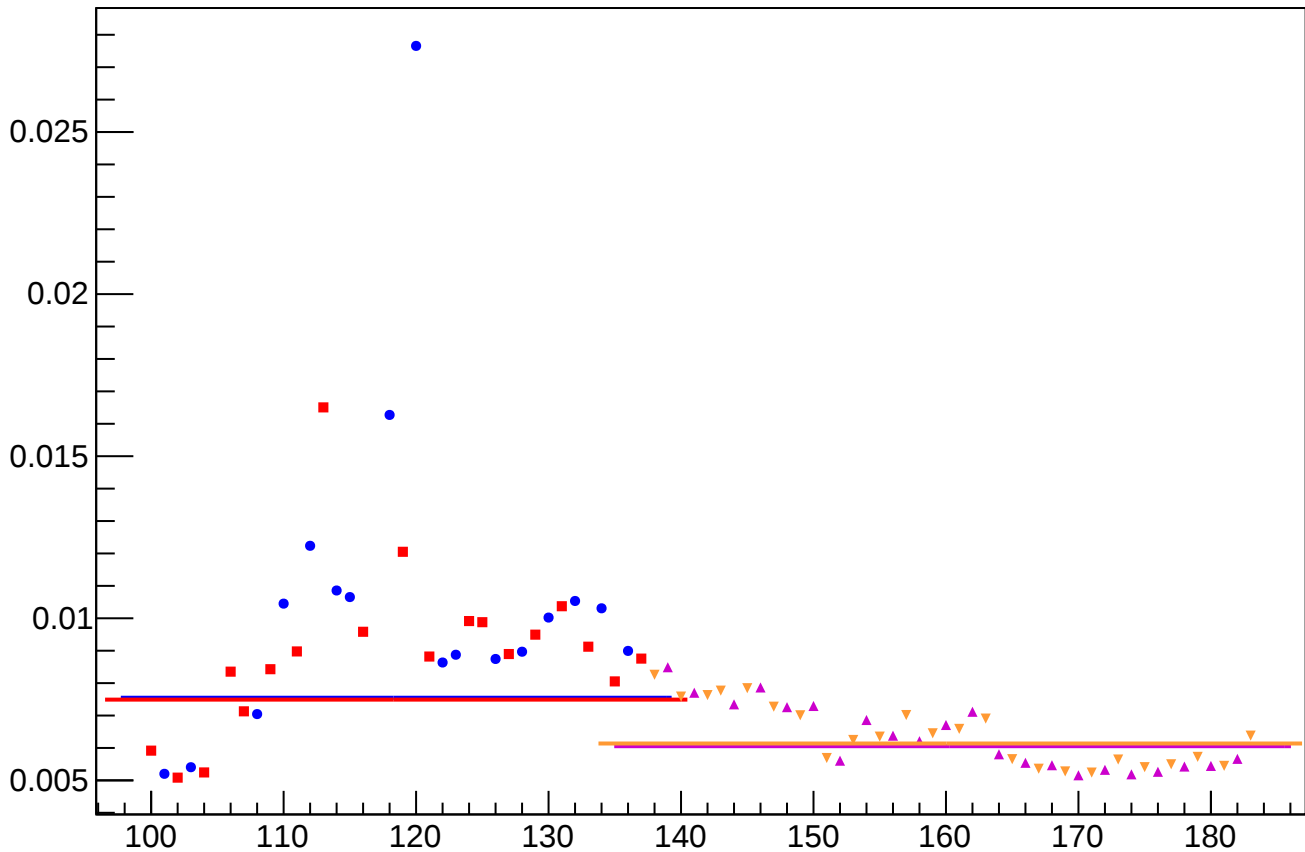
Left In: -0.860+/-0.000 χ^2/NDF : 44664942111.6/21

+ sign -1.145+/-0.000 χ^2/NDF : 198643009550.7/40

All: -1.136+/-0.000 χ^2/NDF : 423410891667.6

- sign -1.127+/-0.000 χ^2/NDF : 224682501259.5/40

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1215131.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 636315.3/23

Right Out: 0.007+/-0.000 χ^2/NDF : 926036.5/18

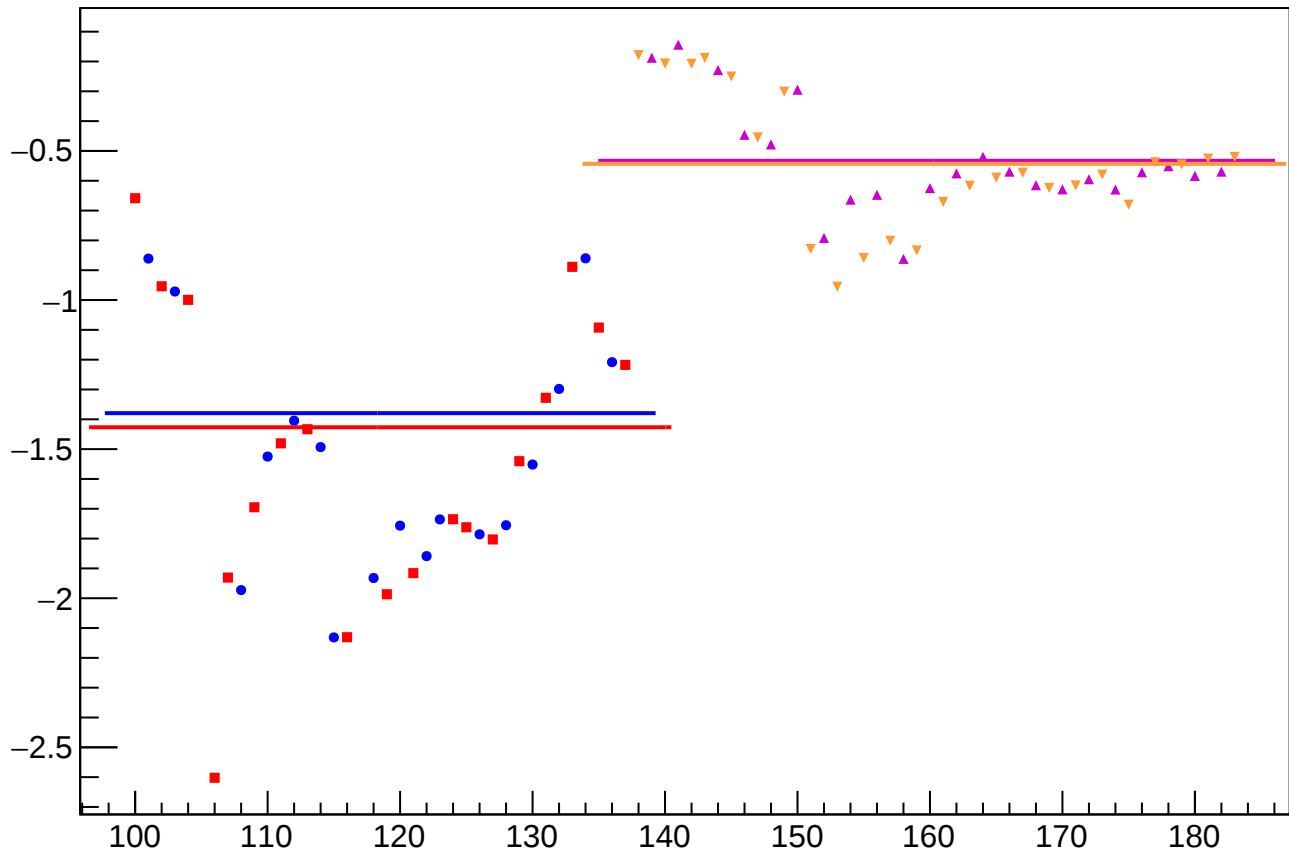
Left In: 0.006+/-0.000 χ^2/NDF : 697372.6/21

+ sign 0.006+/-0.000 χ^2/NDF : 2143776.6/40

All: 0.006+/-0.000 χ^2/NDF : 4101830.4/81

- sign 0.006+/-0.000 χ^2/NDF : 1956885.0/40

yield_bpm0i05Y_mean vs Slug



Right In: -1.379+/-0.000 χ^2/NDF : 19933785465.4/16

Left Out: -0.543+/-0.000 χ^2/NDF : 47156312486.2/23

Right Out: -1.427+/-0.000 χ^2/NDF : 29588471982.5/18

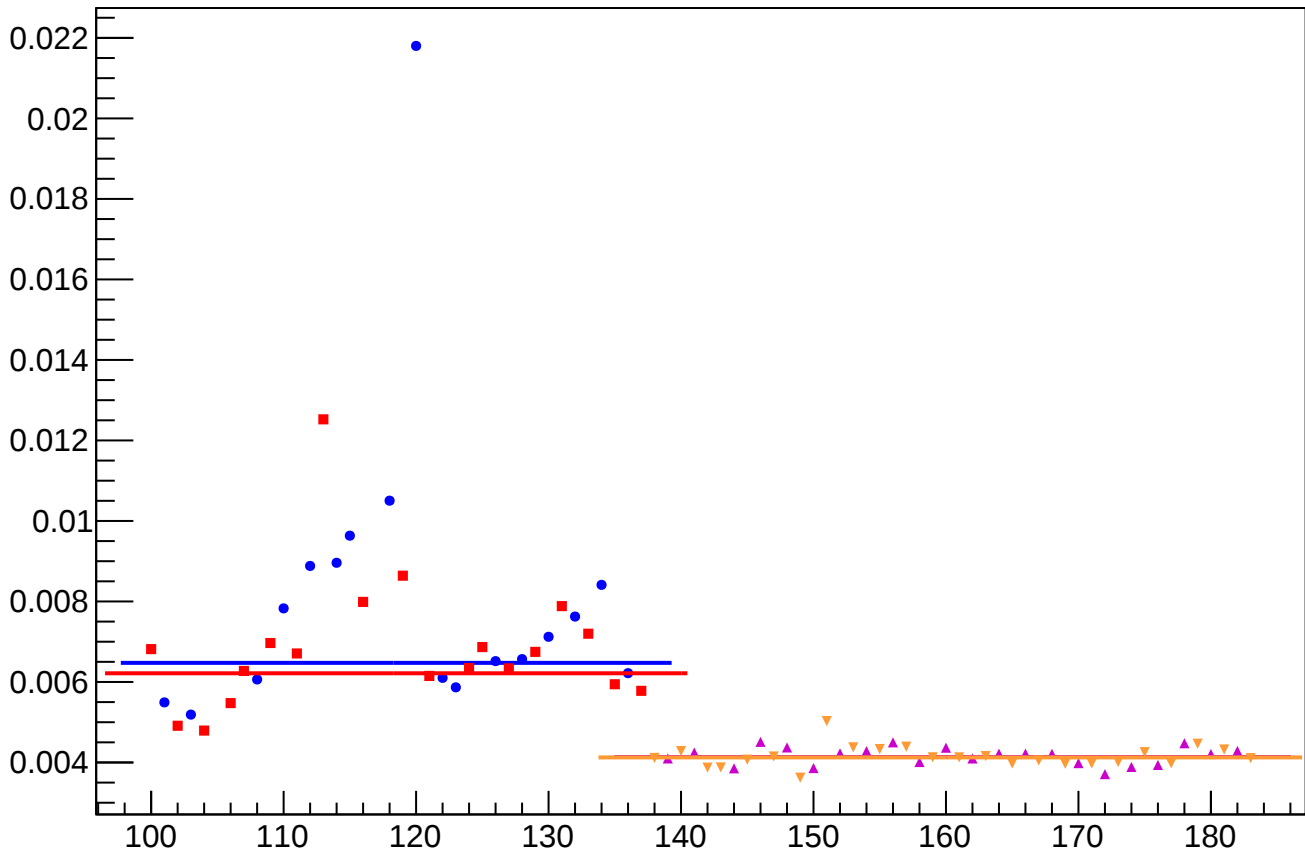
Left In: -0.533+/-0.000 χ^2/NDF : 30685040934.8/21

+ sign -0.641+/-0.000 χ^2/NDF : 147007637040.4/40

All: -0.650+/-0.000 χ^2/NDF : 311492794994.4

- sign -0.660+/-0.000 χ^2/NDF : 164294316614.5/40

yield_bpm0i05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 570434.3/16

Left Out: 0.004+/-0.000 χ^2/NDF : 112753.3/23

Right Out: 0.006+/-0.000 χ^2/NDF : 418205.6/18

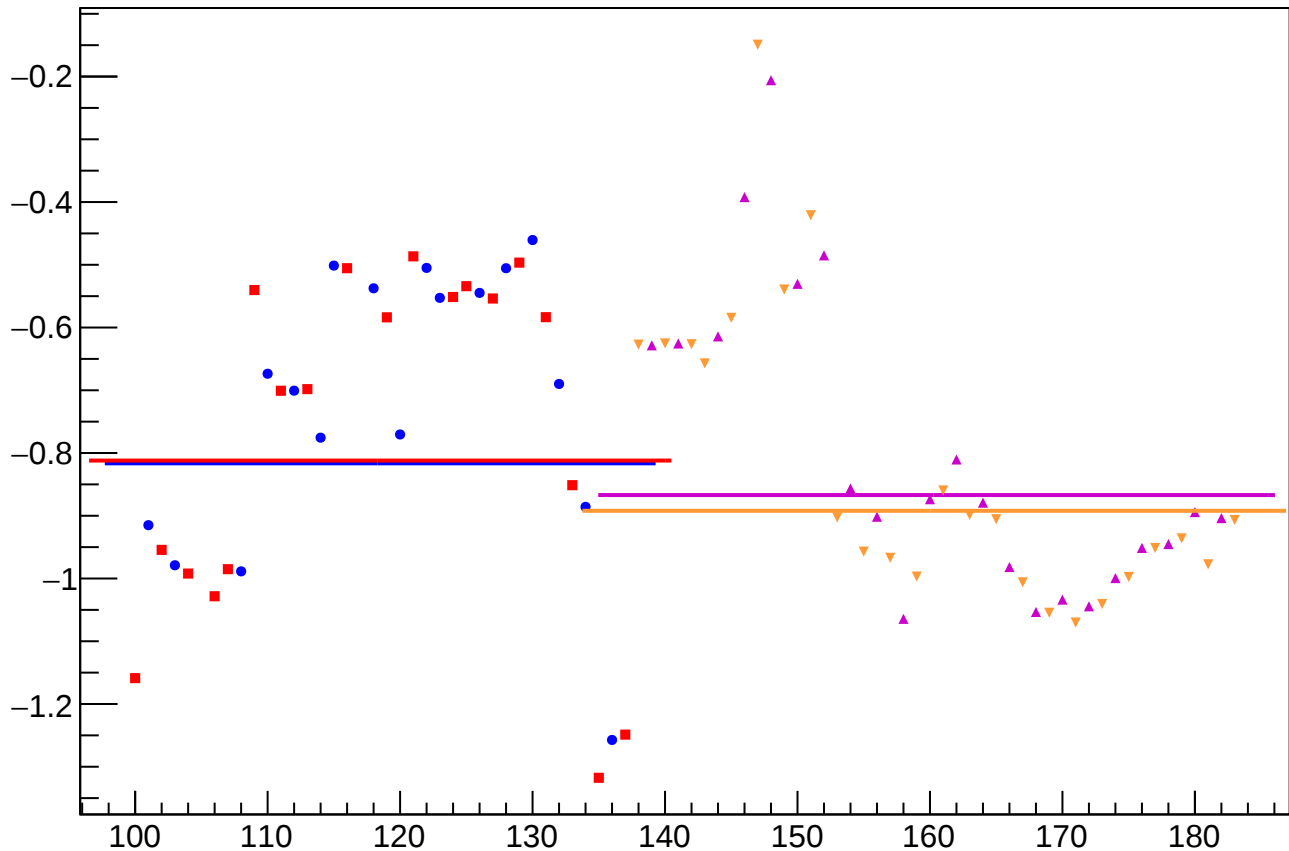
Left In: 0.004+/-0.000 χ^2/NDF : 89671.5/21

+ sign 0.004+/-0.000 χ^2/NDF : 1944598.8/40

All: 0.004+/-0.000 χ^2/NDF : 3580440.1/81

- sign 0.004+/-0.000 χ^2/NDF : 1634857.2/40

yield_bpm0i07X_mean vs Slug



Right In: -0.816 ± 0.000 χ^2/NDF : 14108272810.0/16

Left Out: -0.892 ± 0.000 χ^2/NDF : 40755719965.9/23

Right Out: -0.812 ± 0.000 χ^2/NDF : 16809508448.8/18

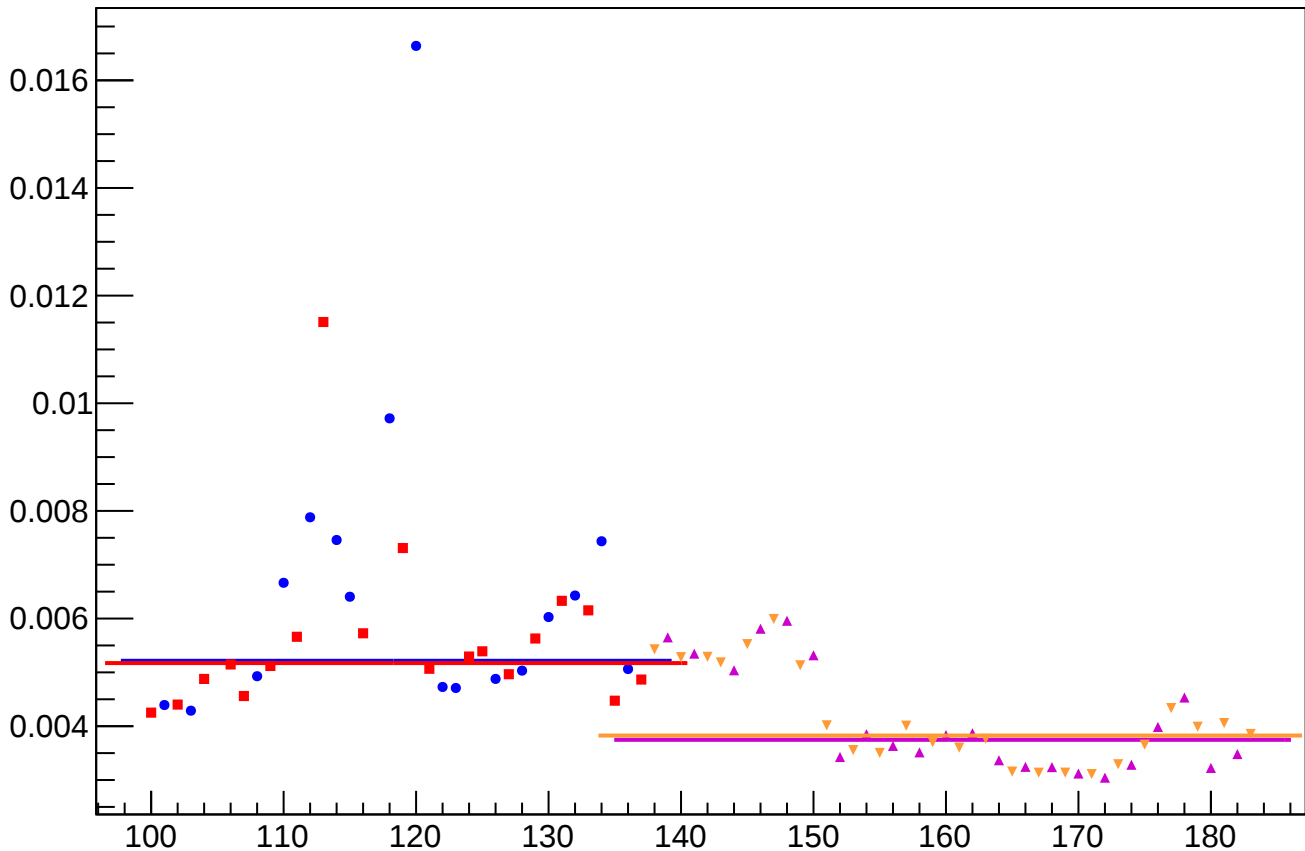
Left In: -0.867 ± 0.000 χ^2/NDF : 43781740640.6/21

+ sign -0.881 ± 0.000 χ^2/NDF : 55817386760.6/40

All: -0.869 ± 0.000 χ^2/NDF : 117313017908.8

- sign -0.858 ± 0.000 χ^2/NDF : 61148921830.8/40

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 662832.6/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1176139.6/23

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 359707.6/18

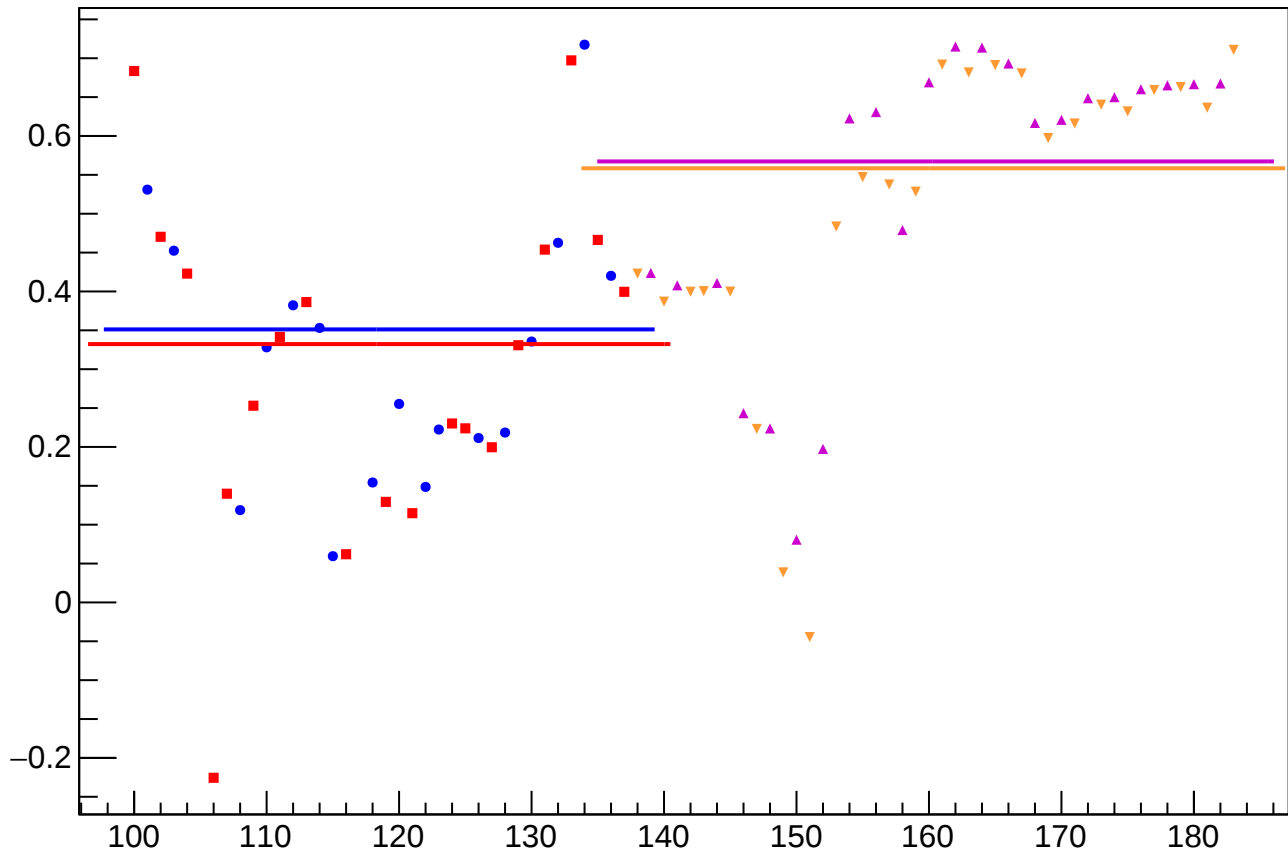
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1287688.0/21

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2481060.0/40

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4881143.3/81

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2397006.6/40

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF : 7385246200.8/16

Left Out: 0.558+/-0.000 χ^2/NDF : 44710549366.7/23

Right Out: 0.332+/-0.000 χ^2/NDF : 11783358695.7/18

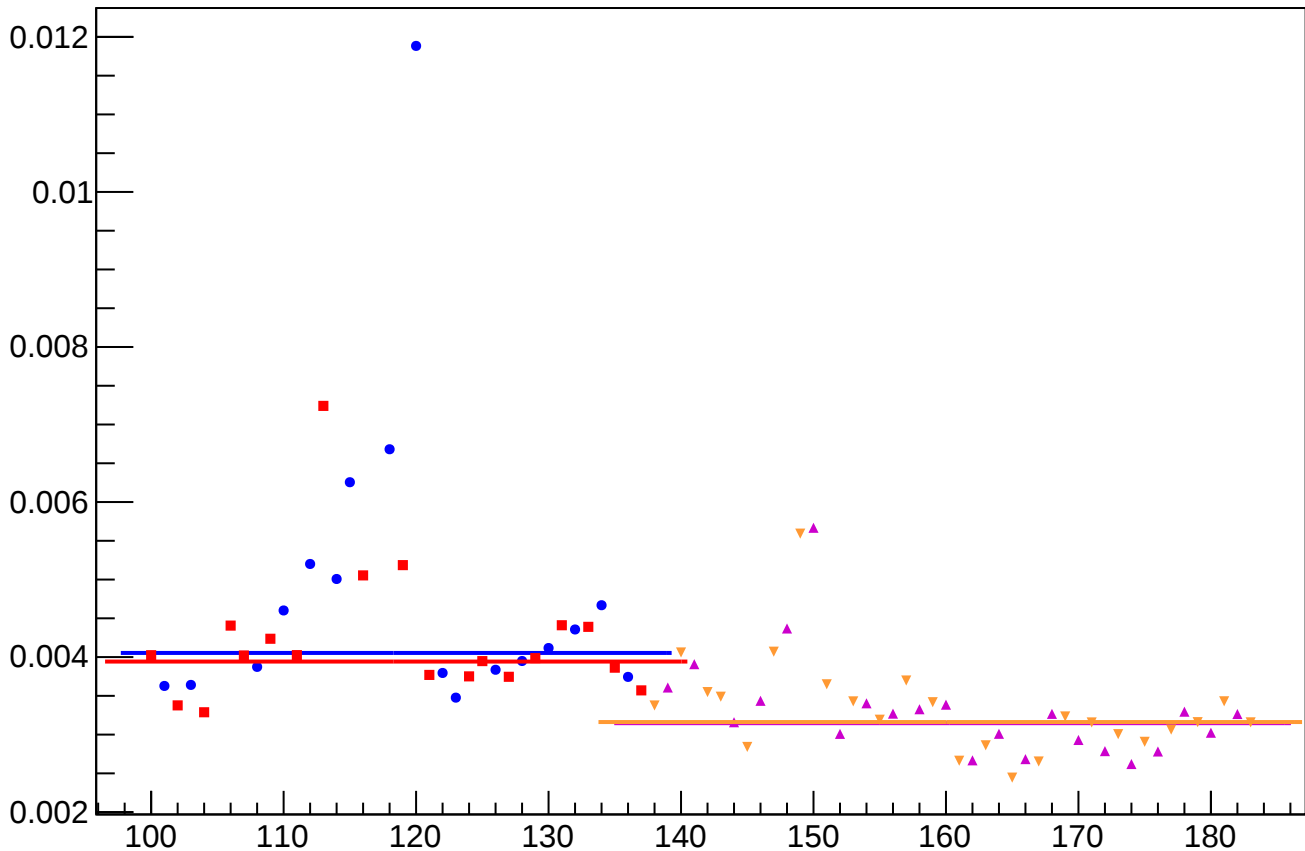
Left In: 0.567+/-0.000 χ^2/NDF : 41587189206.5/21

+ sign 0.522+/-0.000 χ^2/NDF : 64300084107.3/40

All: 0.521+/-0.000 χ^2/NDF : 134920638168.5

- sign 0.519+/-0.000 χ^2/NDF : 70615554714.0/40

yield_bpm0i07Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 453717.7/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 740351.9/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 259219.7/18

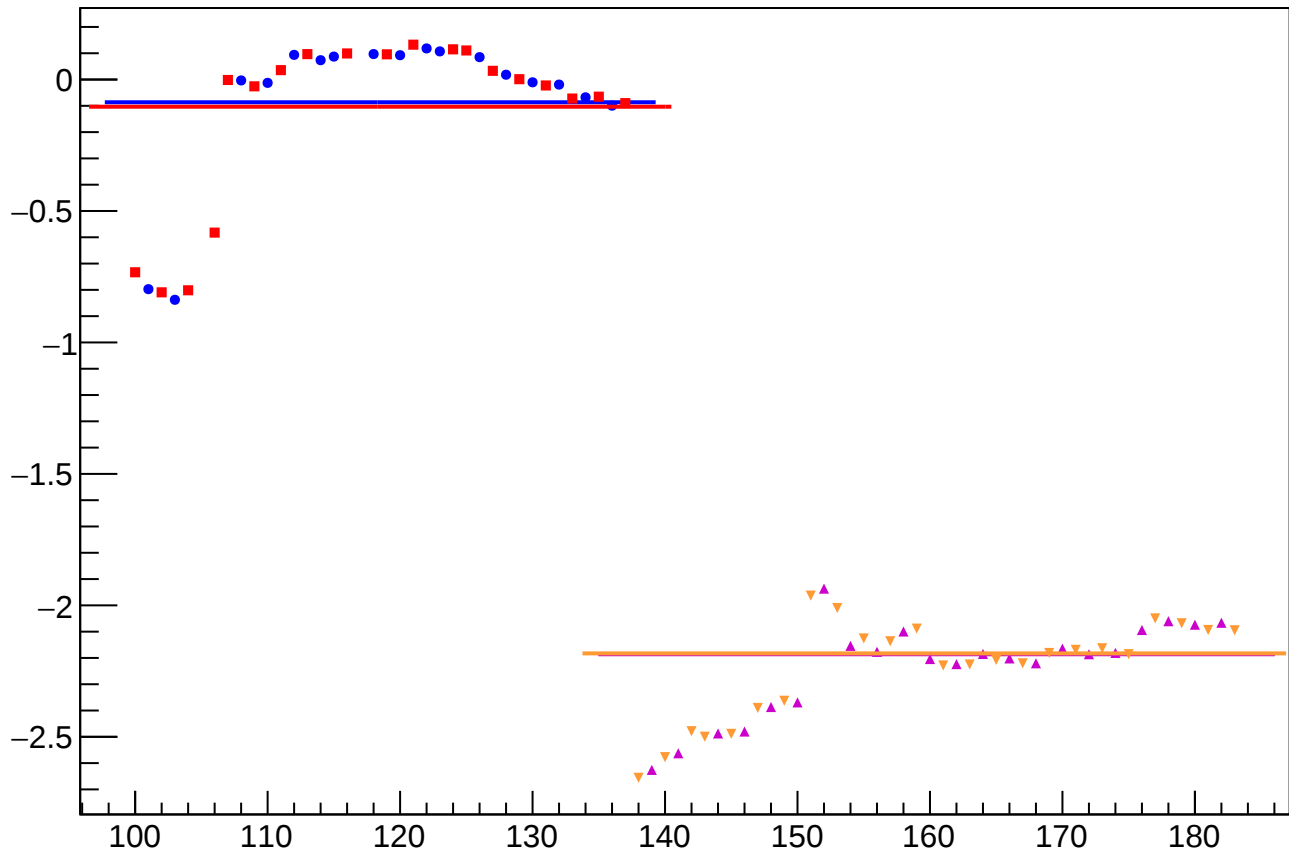
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 716213.6/21

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1645649.9/40

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3015961.2/81

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1370079.1/40

yield_bpm1i02X_mean vs Slug



Right In: -0.086 ± 0.000 $\chi^2/\text{NDF}: 4986216359.8/16$

Left Out: -2.183 ± 0.000 $\chi^2/\text{NDF}: 3998548121.1/23$

Right Out: -0.103 ± 0.000 $\chi^2/\text{NDF}: 5547327629.3/18$

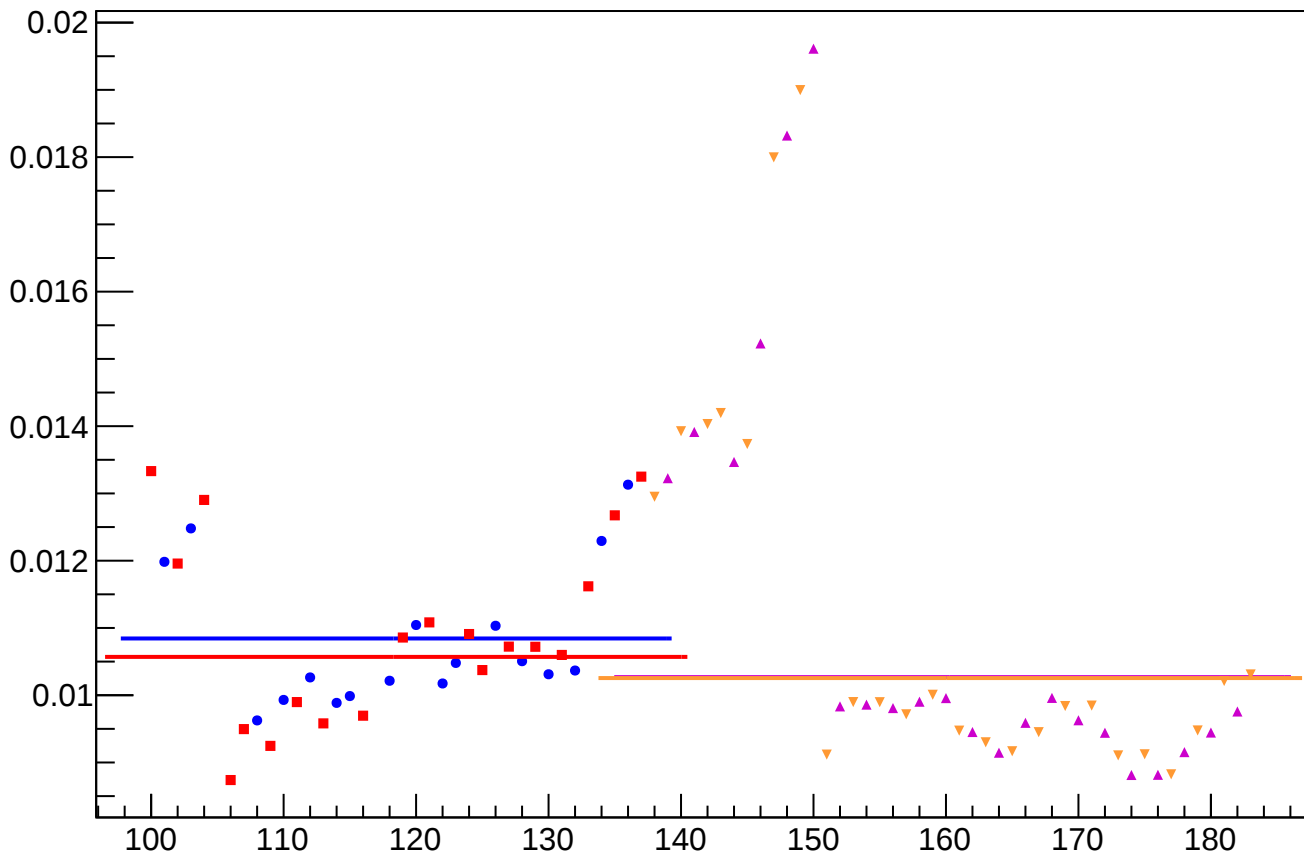
Left In: -2.186 ± 0.000 $\chi^2/\text{NDF}: 3360033286.6/21$

+ sign -1.651 ± 0.000 $\chi^2/\text{NDF}: 193456856392.0/40$

All: -1.619 ± 0.000 $\chi^2/\text{NDF}: 396031841482.5$

- sign -1.586 ± 0.000 $\chi^2/\text{NDF}: 202111053287.9/40$

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124179.6/16

Left Out: 0.010+/-0.000 χ^2/NDF :1270594.9/23

Right Out: 0.011+/-0.000 χ^2/NDF : 178759.8/18

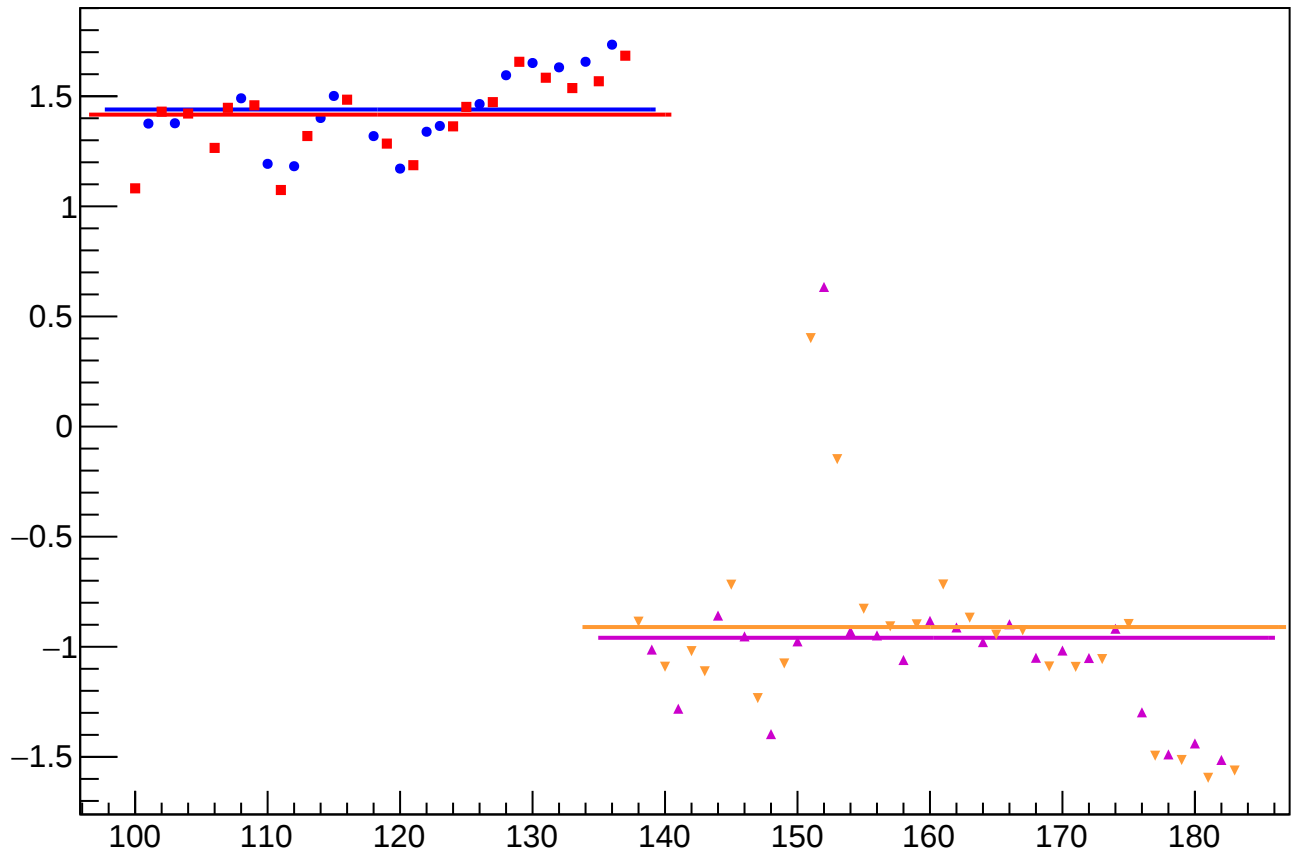
Left In: 0.010+/-0.000 χ^2/NDF :1339822.1/21

+ sign 0.010+/-0.000 χ^2/NDF : 1423862.6/40

All: 0.010+/-0.000 χ^2/NDF : 2950993.6/81

- sign 0.010+/-0.000 χ^2/NDF : 1526617.9/40

yield_bpm1i02Y_mean vs Slug



Right In: 1.440+/-0.000 χ^2/NDF : 3439698839.5/16

Left Out: -0.910+/-0.000 χ^2/NDF : 54124796815.8/23

Right Out: 1.416+/-0.000 χ^2/NDF : 2670163204.9/18

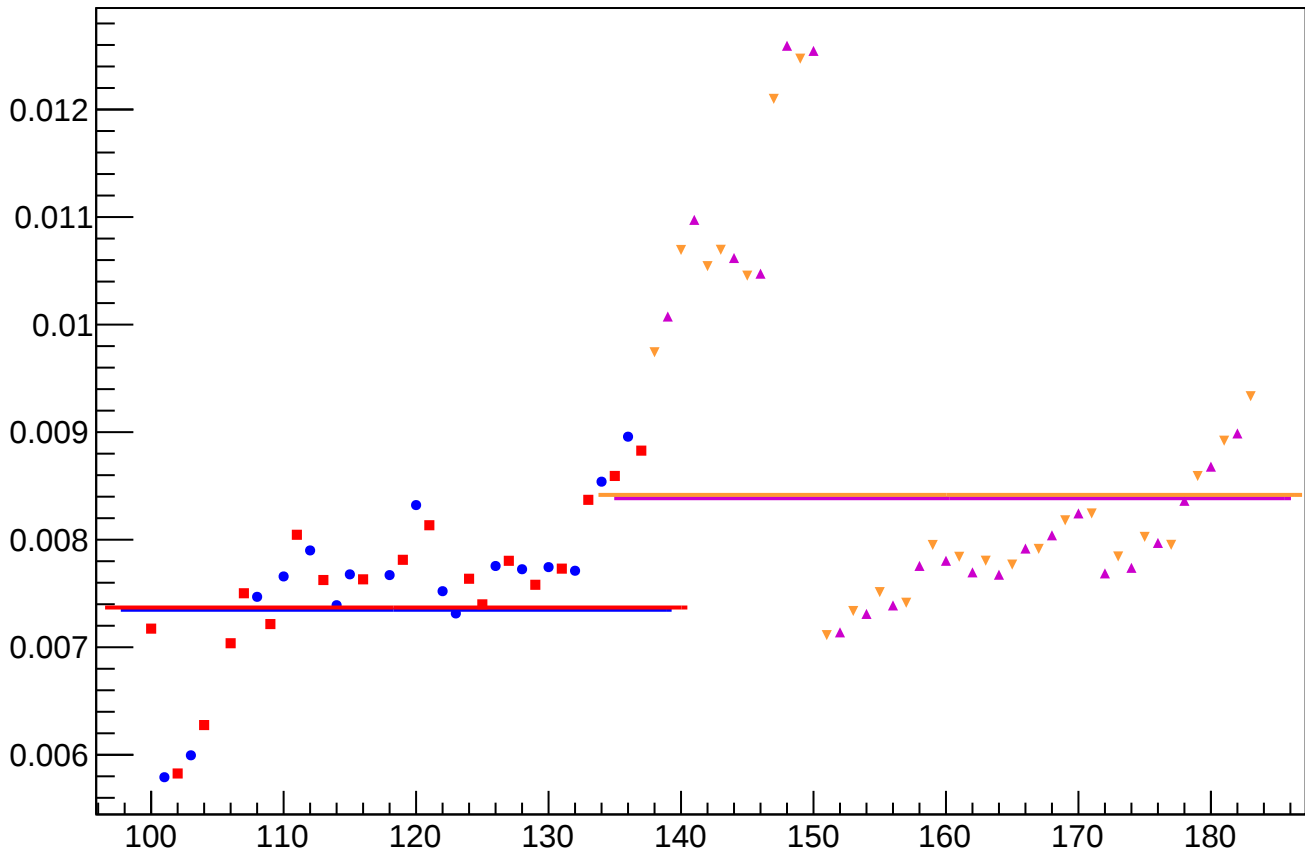
Left In: -0.959+/-0.000 χ^2/NDF : 53482530925.1/21

+ sign -0.140+/-0.000 χ^2/NDF : 508872781392.0/40

All: -0.130+/-0.000 χ^2/NDF : 1035028294837

- sign -0.120+/-0.000 χ^2/NDF : 526080595743.7/40

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 228667.0/16

Left Out: 0.008+/-0.000 χ^2/NDF : 789017.6/23

Right Out: 0.007+/-0.000 χ^2/NDF : 172418.5/18

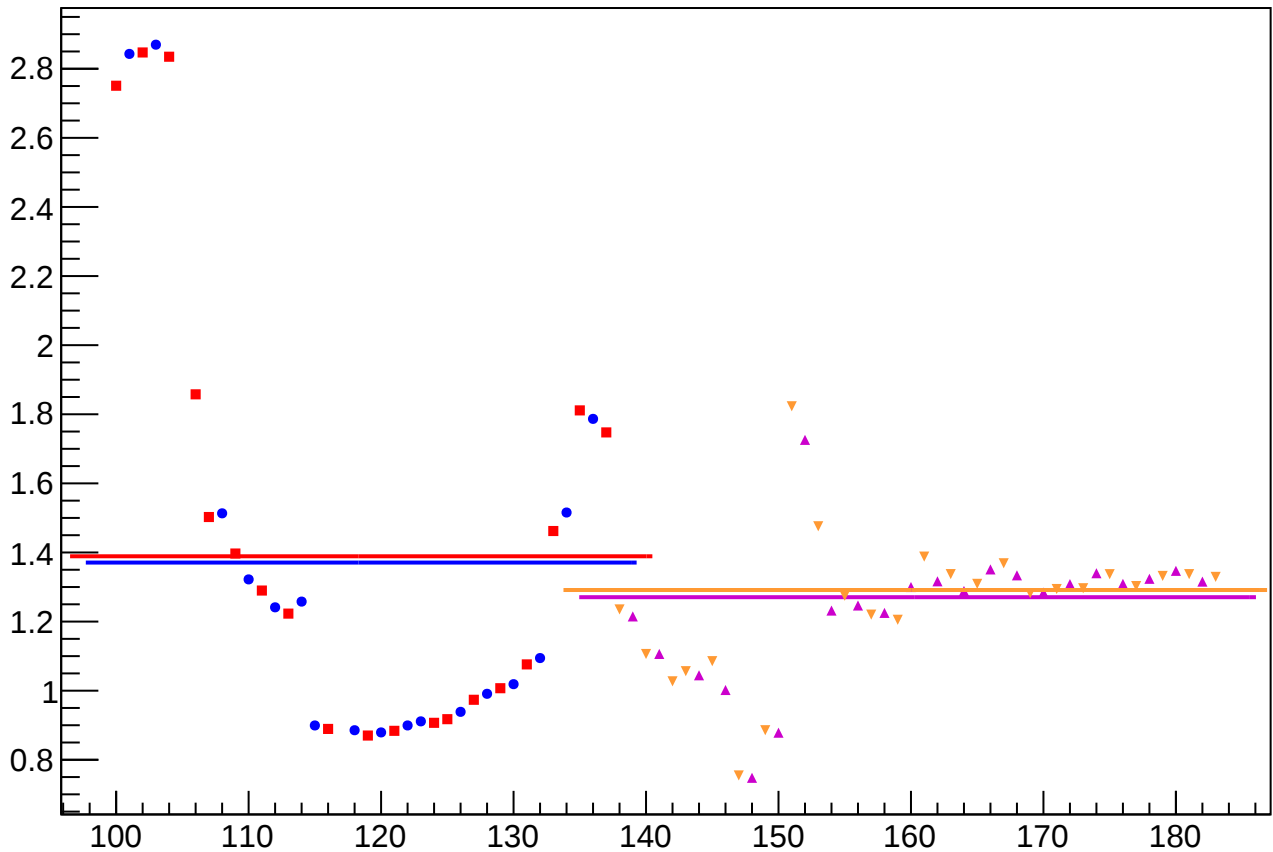
Left In: 0.008+/-0.000 χ^2/NDF : 839468.4/21

+ sign 0.008+/-0.000 χ^2/NDF : 1204099.8/40

All: 0.008+/-0.000 χ^2/NDF : 2388550.7/81

- sign 0.008+/-0.000 χ^2/NDF : 1183867.1/40

yield_bpm1i04X_mean vs Slug



Right In: 1.371+/-0.000 χ^2/NDF : 54119122912.8/16

Left Out: 1.291+/-0.000 χ^2/NDF : 9292624118.8/23

Right Out: 1.389+/-0.000 χ^2/NDF : 49832414351.9/18

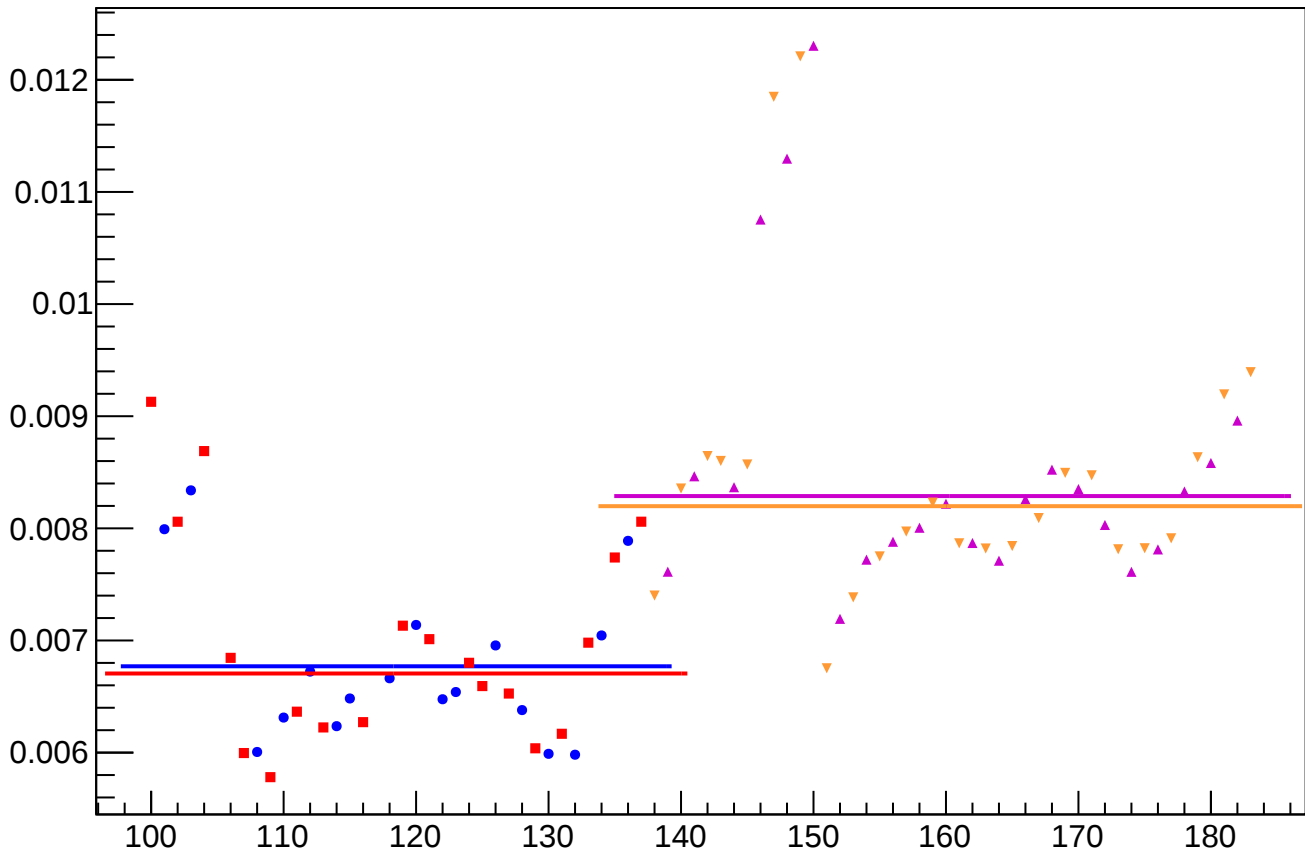
Left In: 1.271+/-0.000 χ^2/NDF : 7540307853.0/21

+ sign 1.320+/-0.000 χ^2/NDF : 63995881940.9/40

All: 1.318+/-0.000 χ^2/NDF : 122691377481.3

- sign 1.317+/-0.000 χ^2/NDF : 58694158873.5/40

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 158743.1/16

Left Out: 0.008+/-0.000 χ^2/NDF : 472124.5/23

Right Out: 0.007+/-0.000 χ^2/NDF : 189225.3/18

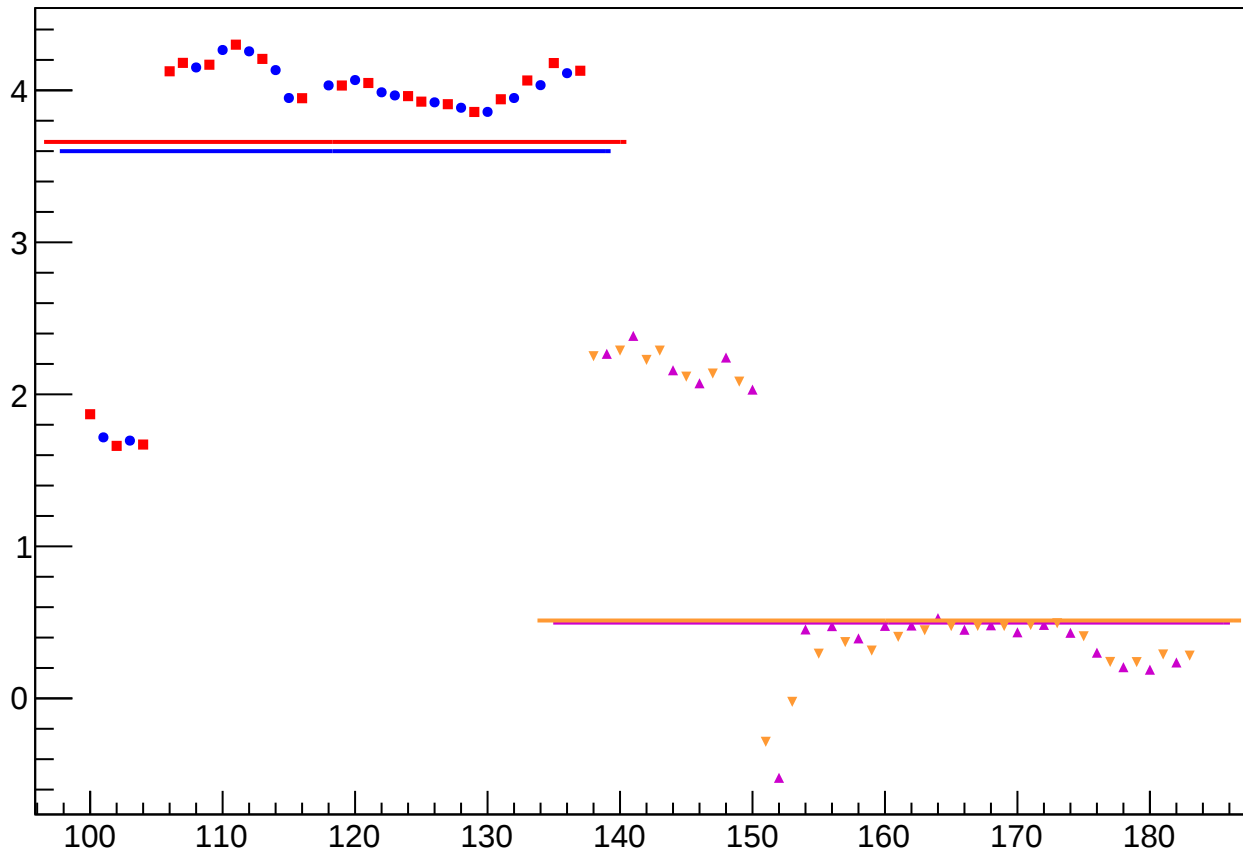
Left In: 0.008+/-0.000 χ^2/NDF : 458348.5/21

+ sign 0.008+/-0.000 χ^2/NDF : 1008413.2/40

All: 0.008+/-0.000 χ^2/NDF : 2128161.6/81

- sign 0.008+/-0.000 χ^2/NDF : 1119542.7/40

yield_bpm1i04Y_mean vs Slug



Right In: 3.600 $\pm$ 0.000 χ^2 /NDF: 185703271625.0/16

Left Out: 0.512 $\pm$ 0.000 χ^2 /NDF: 274508352574.5/23

Right Out: 3.661 $\pm$ 0.000 χ^2 /NDF: 192461584002.7/18

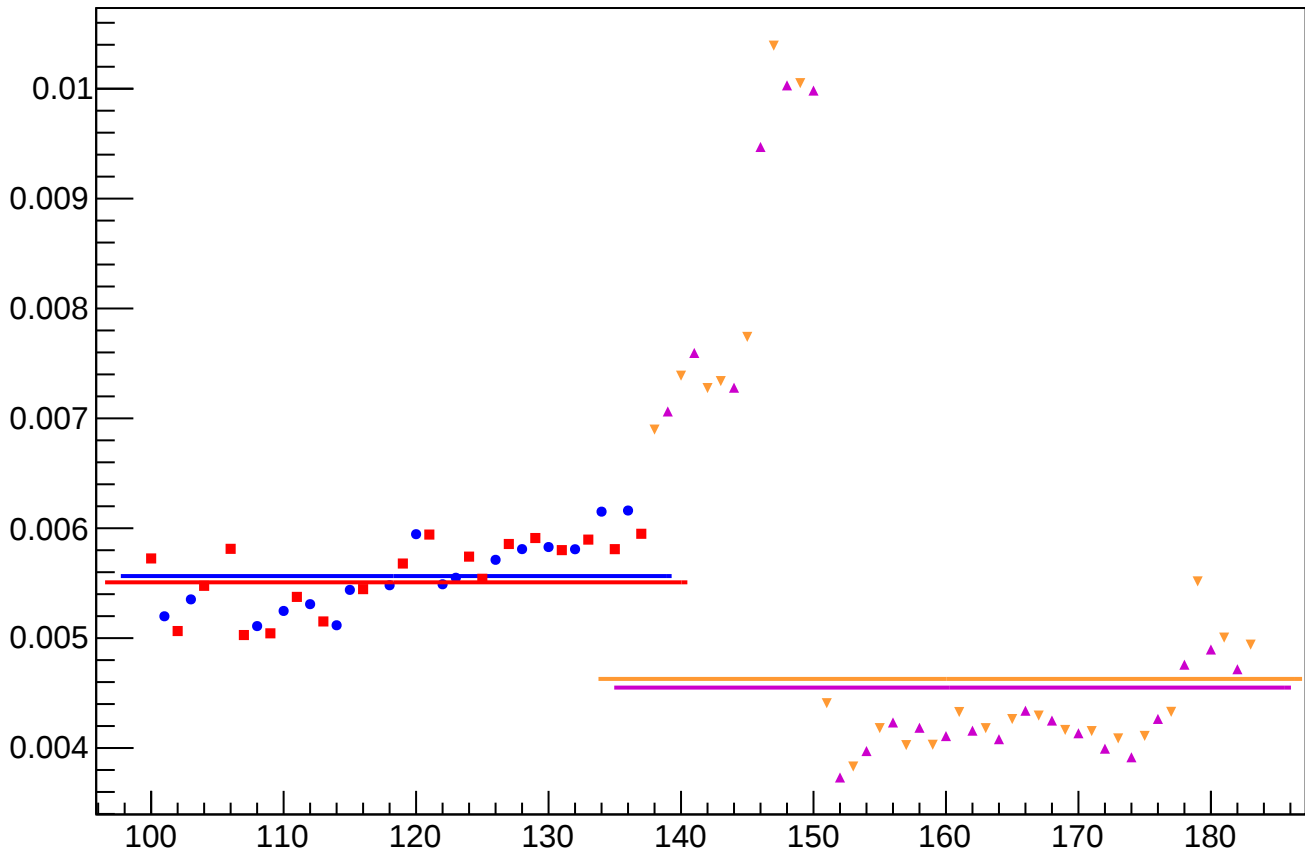
Left In: 0.498 $\pm$ 0.000 χ^2 /NDF: 268361950742.5/21

+ sign 1.189 $\pm$ 0.000 χ^2 /NDF: 2061445718990.3/40

All: 1.215 $\pm$ 0.000 χ^2 /NDF: 4272321556817.0

- sign 1.241 $\pm$ 0.000 χ^2 /NDF: 2209562132788.0/40

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 48084.6/16

Left Out: 0.005+/-0.000 χ^2/NDF : 2112035.0/23

Right Out: 0.006+/-0.000 χ^2/NDF : 52399.9/18

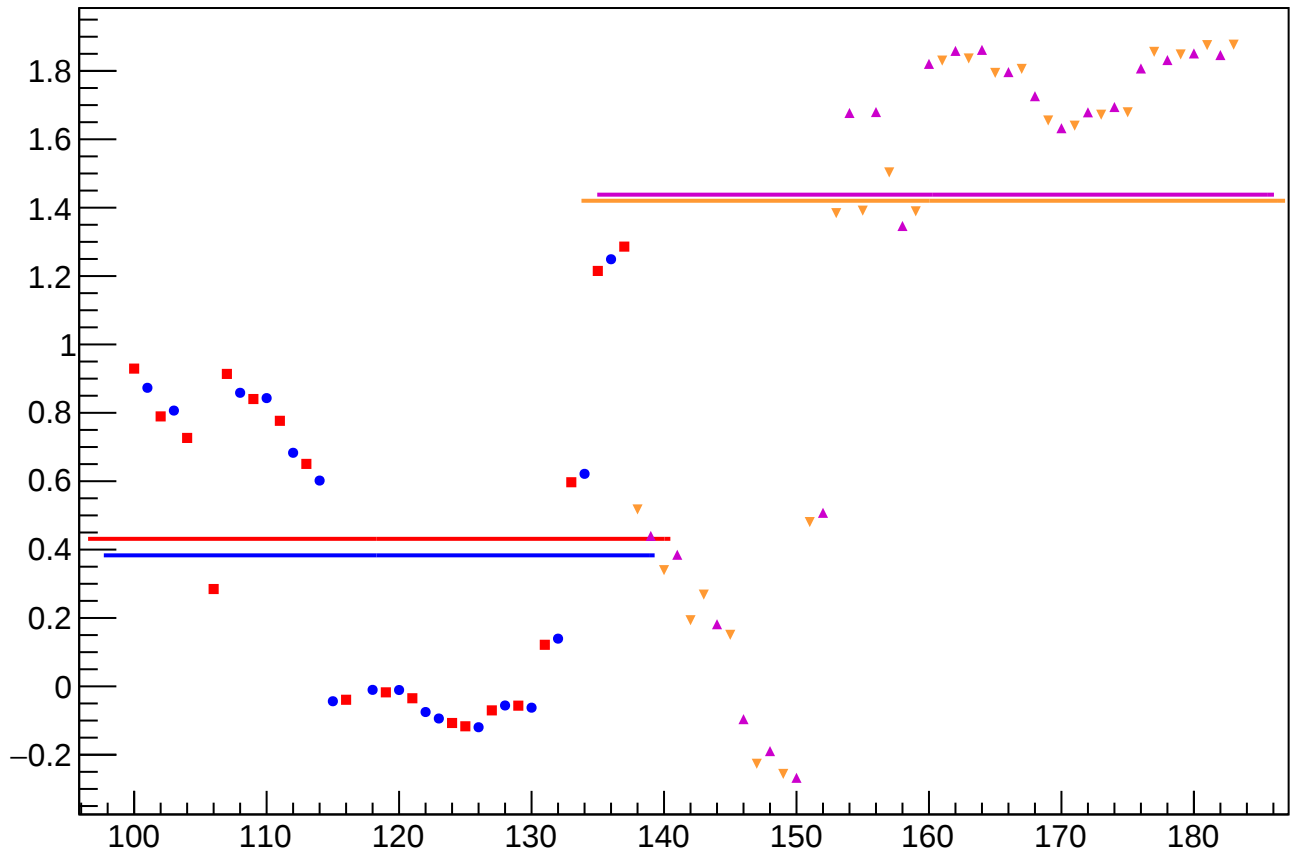
Left In: 0.005+/-0.000 χ^2/NDF : 2237176.9/21

+ sign 0.005+/-0.000 χ^2/NDF : 2454429.0/40

All: 0.005+/-0.000 χ^2/NDF : 5068496.2/81

- sign 0.005+/-0.000 χ^2/NDF : 2610633.1/40

yield_bpm1i06X_mean vs Slug



Right In: 0.383 $\pm$ 0.000 χ^2 /NDF: 7098148199.8/16

Left Out: 1.420 $\pm$ 0.000 χ^2 /NDF: 49519075863.0/23

Right Out: 0.431 $\pm$ 0.000 χ^2 /NDF: 6652460982.8/18

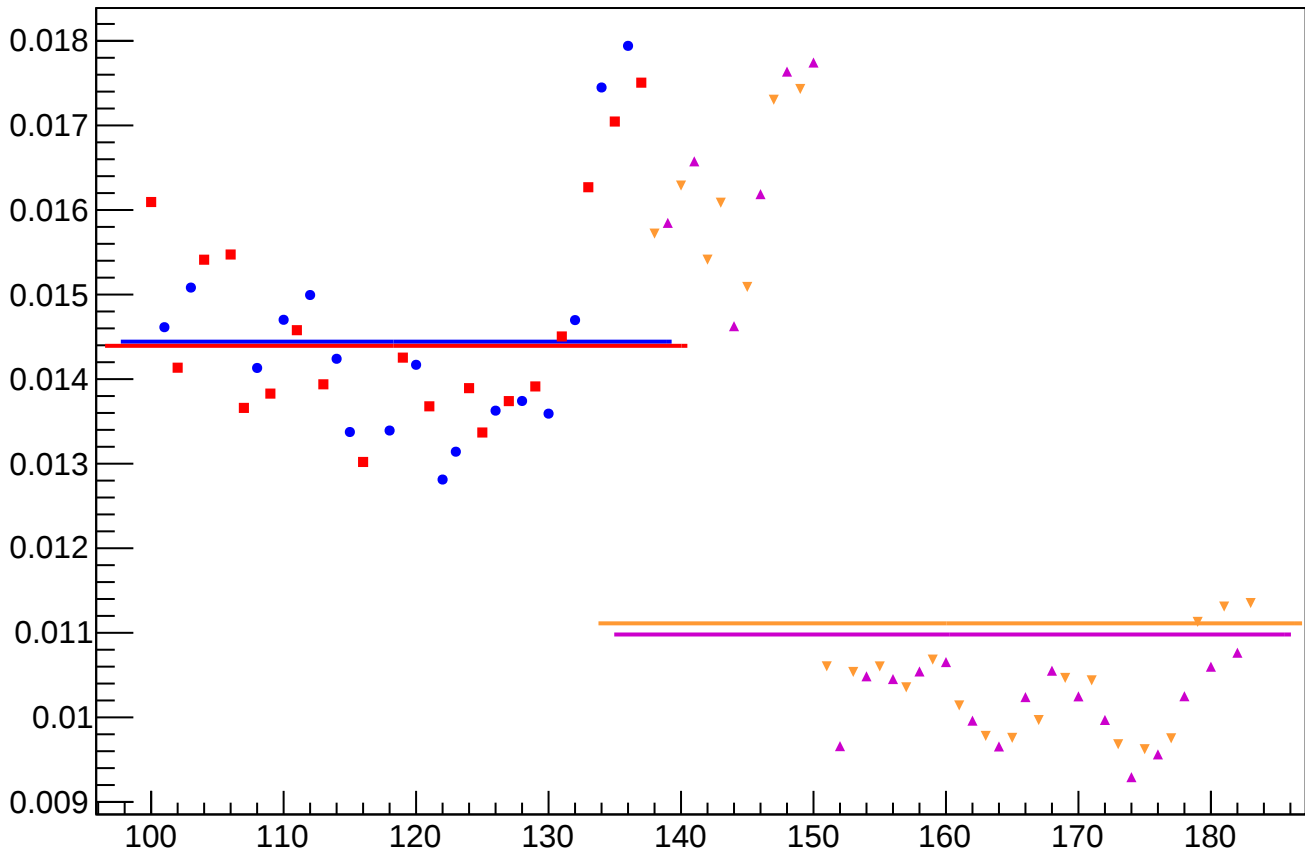
Left In: 1.438 $\pm$ 0.000 χ^2 /NDF: 53239668389.6/21

+ sign 1.229 $\pm$ 0.000 χ^2 /NDF: 84386667755.1/40

All: 1.234 $\pm$ 0.000 χ^2 /NDF: 171423064367.7

- sign 1.238 $\pm$ 0.000 χ^2 /NDF: 87029464861.1/40

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 109417.4/16

Left Out: 0.011+/-0.000 χ^2/NDF :1227326.9/23

Right Out: 0.014+/-0.000 χ^2/NDF : 74186.8/18

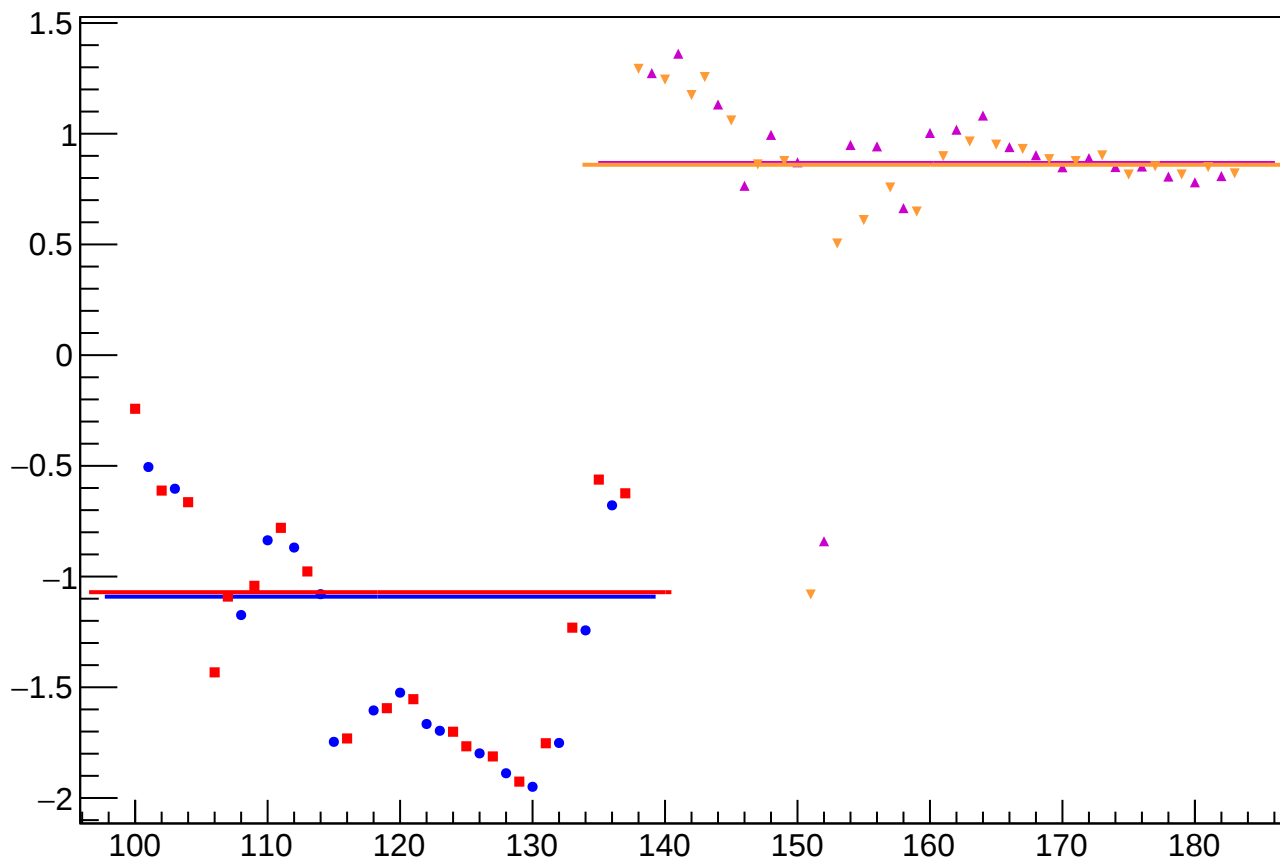
Left In: 0.011+/-0.000 χ^2/NDF :1264826.8/21

+ sign 0.012+/-0.000 χ^2/NDF : 1909748.1/40

All: 0.012+/-0.000 χ^2/NDF : 3873756.6/81

- sign 0.012+/-0.000 χ^2/NDF : 1963228.6/40

yield_bpm1i06Y_mean vs Slug



Right In: -1.091+/-0.000 χ^2/NDF : 55542430282.4/16

Left Out: 0.860+/-0.000 χ^2/NDF :126335308979.9/23

Right Out: -1.071+/-0.000 χ^2/NDF : 46725373904.4/18

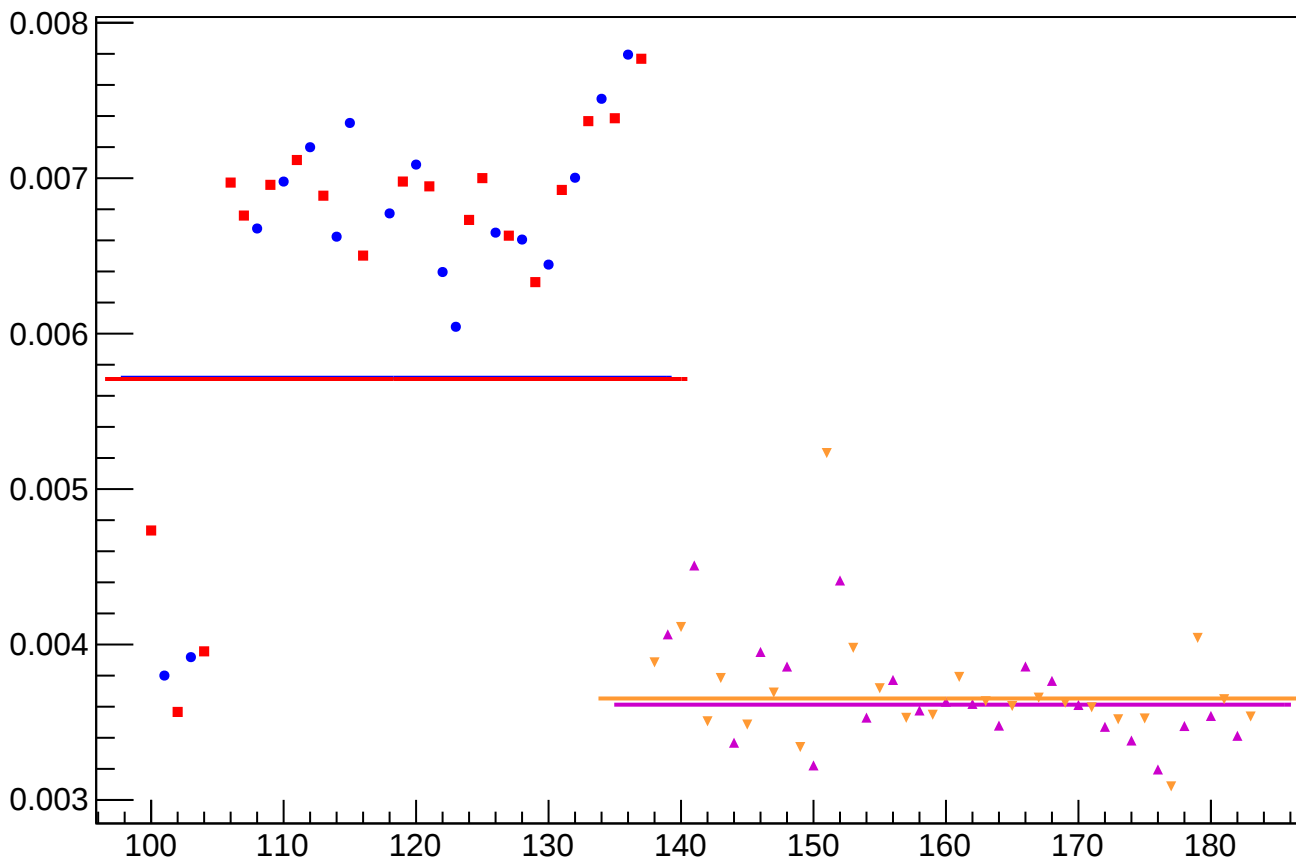
Left In: 0.868+/-0.000 χ^2/NDF :147008218973.3/21

+ sign 0.610+/-0.000 χ^2/NDF : 782274919150.1/40

All: 0.606+/-0.000 χ^2/NDF : 1586974104253.

- sign 0.601+/-0.000 χ^2/NDF : 804644128202.3/40

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 837929.9/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:236618.0/23

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 921337.6/18

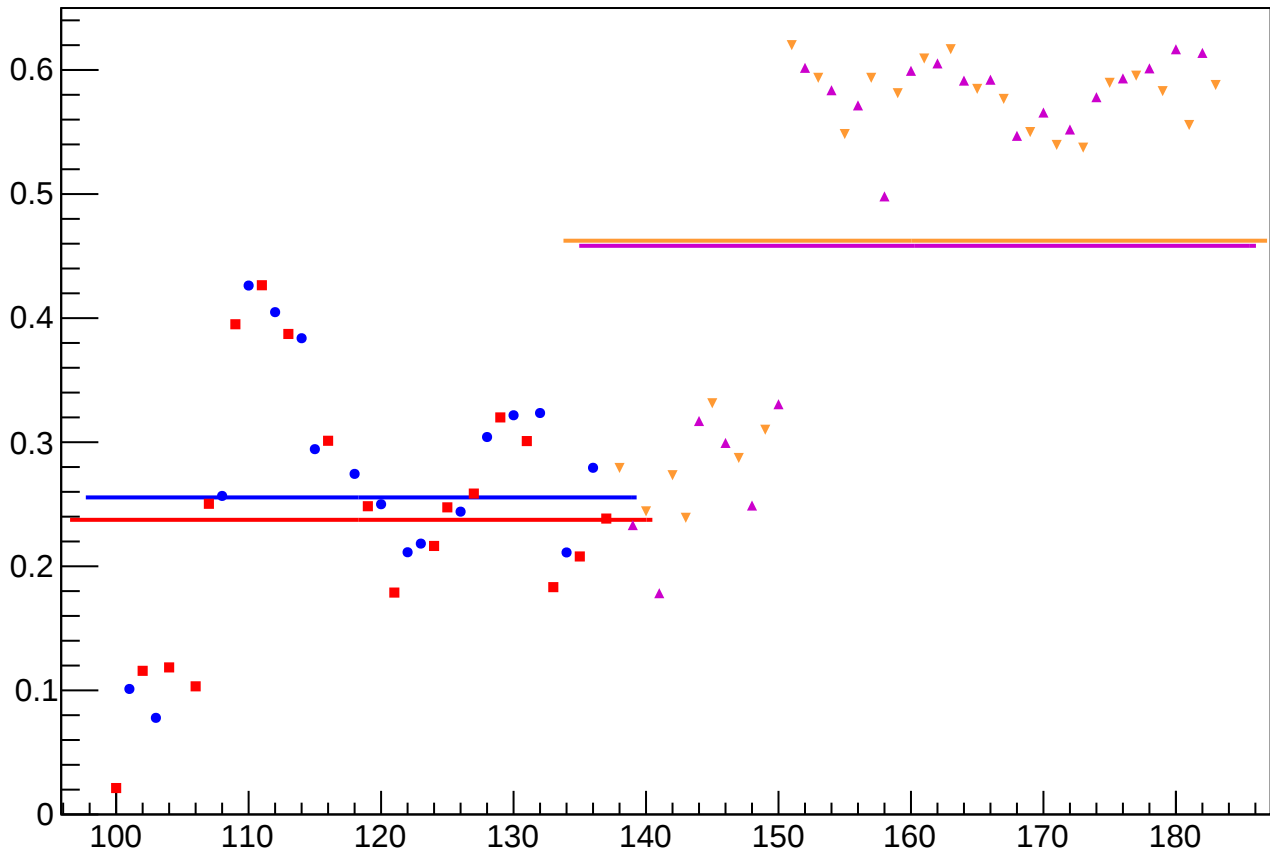
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:225104.3/21

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2418299.5/40

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4992517.4/81

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2573873.9/40

yield_bpm2i01X_mean vs Slug



Right In: 0.256 ± 0.000 χ^2/NDF : 21303879000.5/16

Left Out: 0.462 ± 0.000 χ^2/NDF : 102215599961.4/23

Right Out: 0.237 ± 0.000 χ^2/NDF : 26048163947.8/18

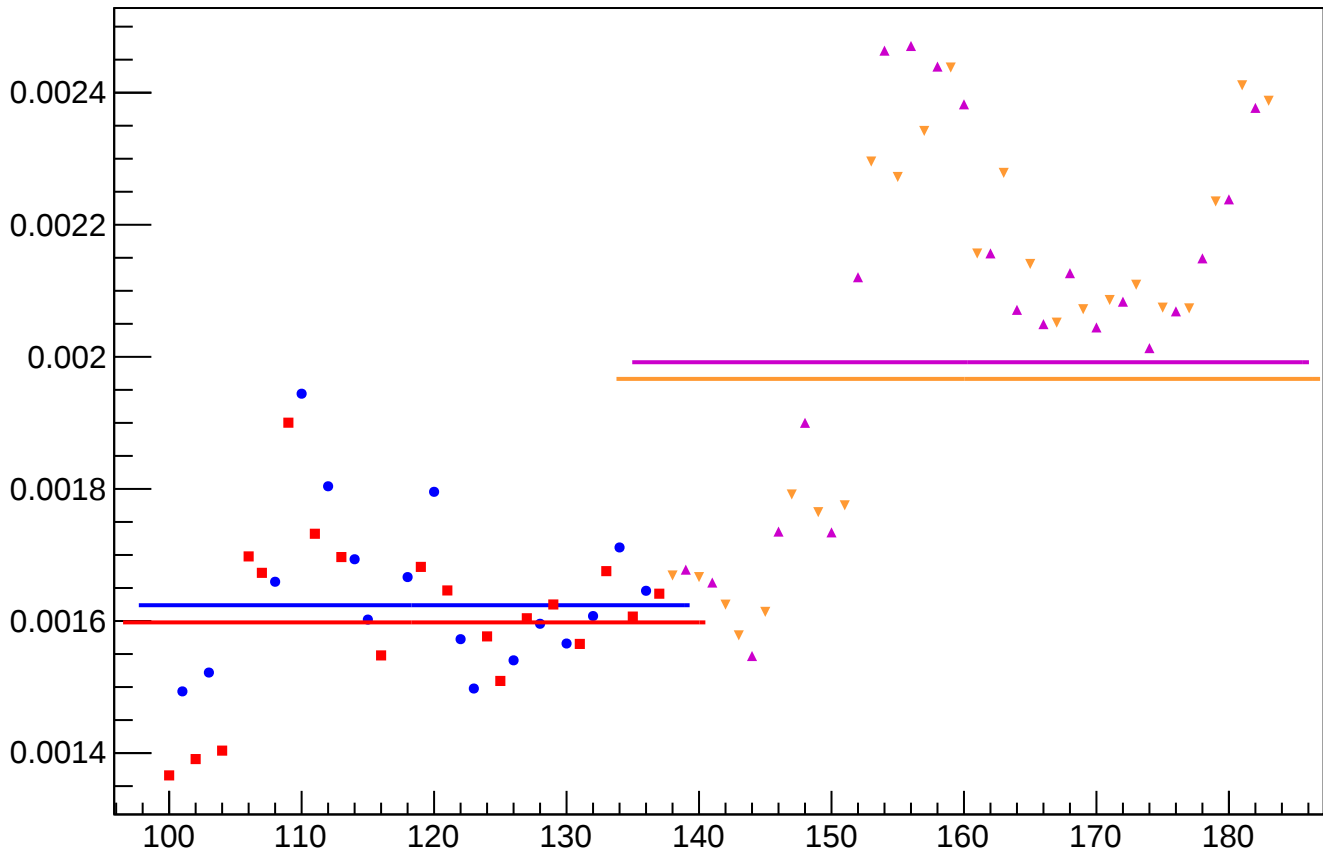
Left In: 0.458 ± 0.000 χ^2/NDF : 103965789095.6/21

+ sign 0.390 ± 0.000 χ^2/NDF : 191458255474.9/40

All: 0.381 ± 0.000 χ^2/NDF : 402873988407.2

- sign 0.371 ± 0.000 χ^2/NDF : 210120751140.1/40

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 52349.3/16

Left Out: 0.002+/-0.000 χ^2/NDF : 708921.2/23

Right Out: 0.002+/-0.000 χ^2/NDF : 90592.9/18

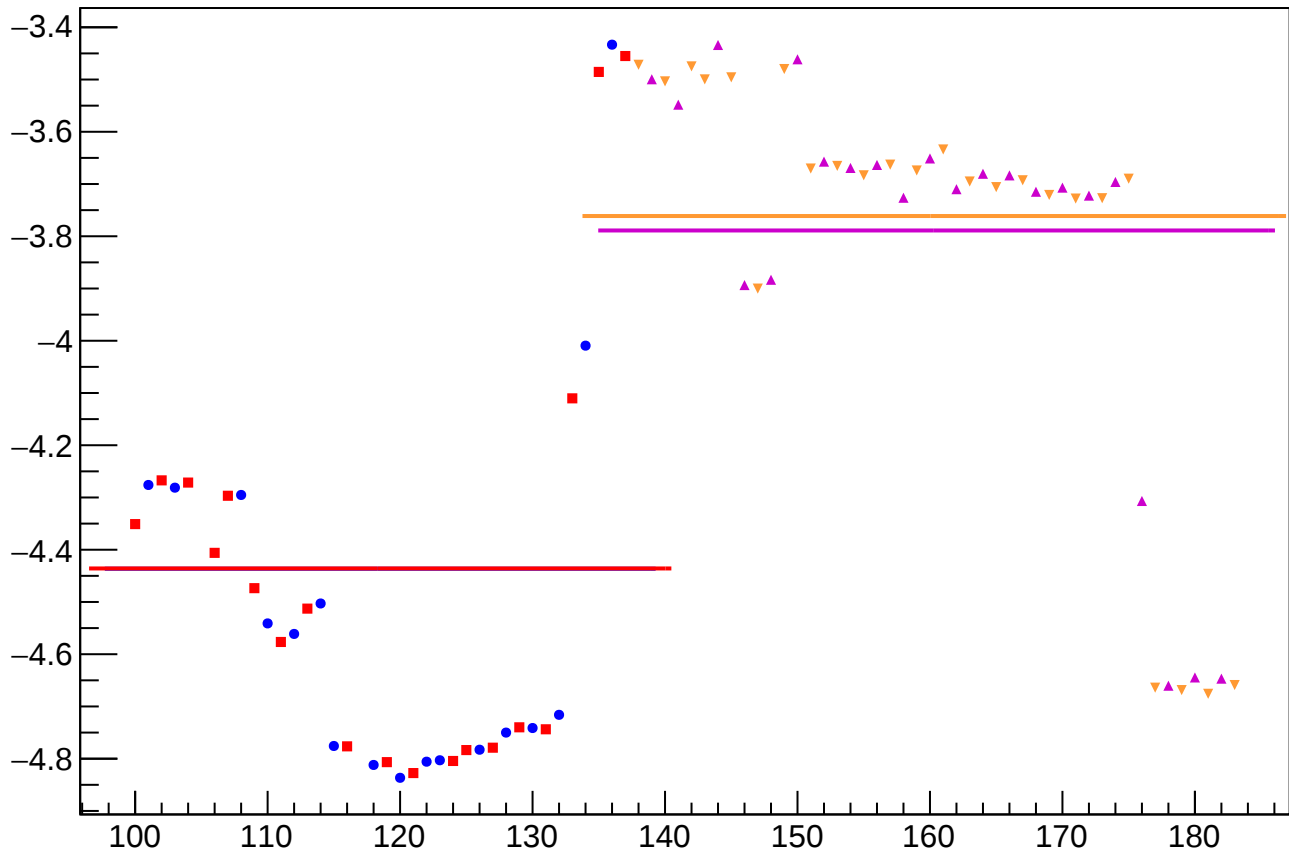
Left In: 0.002+/-0.000 χ^2/NDF : 646119.7/21

+ sign 0.002+/-0.000 χ^2/NDF : 1134099.2/40

All: 0.002+/-0.000 χ^2/NDF : 2381495.9/81

- sign 0.002+/-0.000 χ^2/NDF : 1246546.1/40

yield_bpm2i01Y_mean vs Slug



Right In: -4.436+/-0.000 χ^2/NDF : 392479534987.2/16

Left Out: -3.761+/-0.000 χ^2/NDF : 493006400746.0/23

Right Out: -4.436+/-0.000 χ^2/NDF : 324942318404.0/18

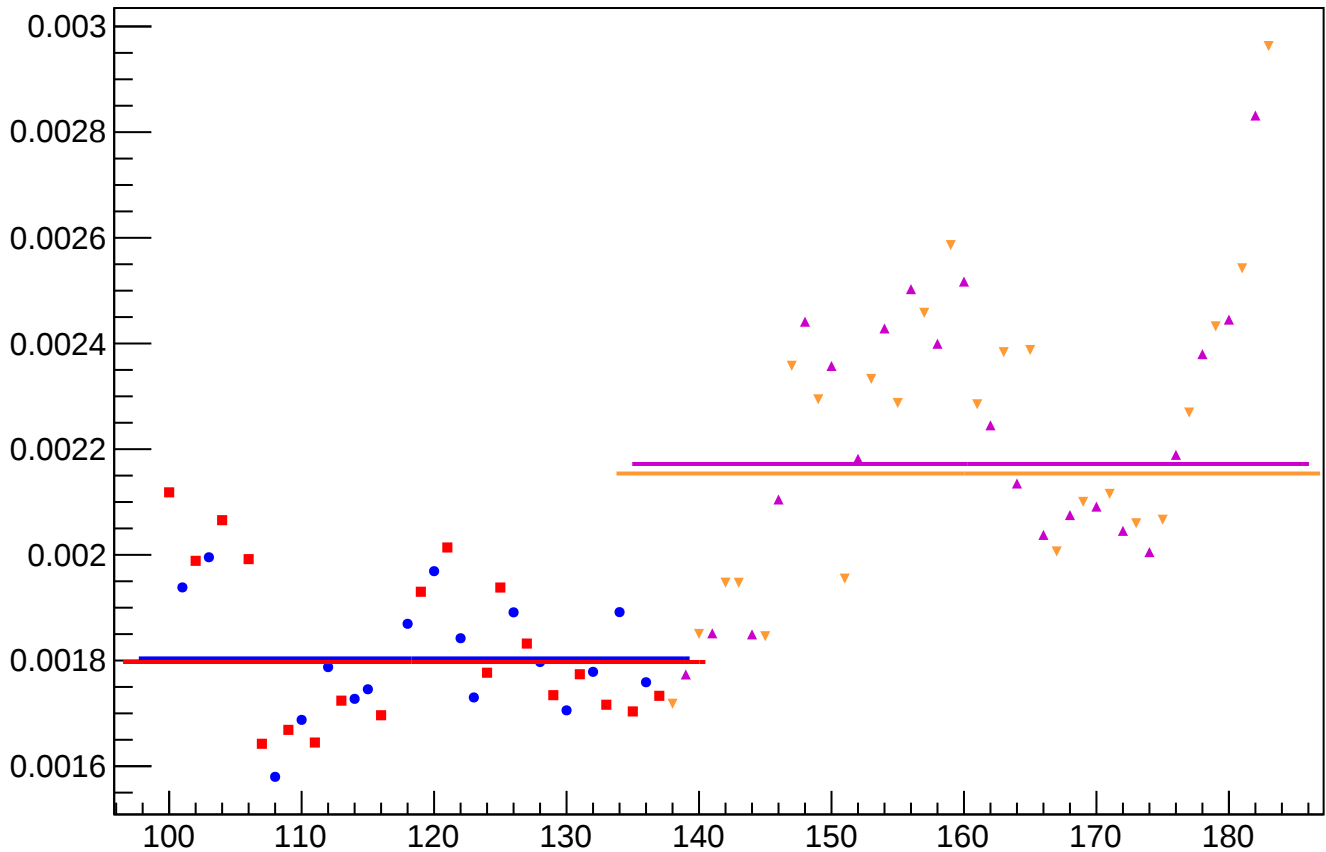
Left In: -3.789+/-0.000 χ^2/NDF : 419632818690.1/21

+ sign -3.994+/-0.000 χ^2/NDF : 1480335104930.5/4

All: -4.013+/-0.000 χ^2/NDF : 2782903298061

- sign -4.032+/-0.000 χ^2/NDF : 1298405583943.1/4

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 48060.2/16

Left Out: 0.002+/-0.000 χ^2/NDF :515706.5/23

Right Out: 0.002+/-0.000 χ^2/NDF : 80681.9/18

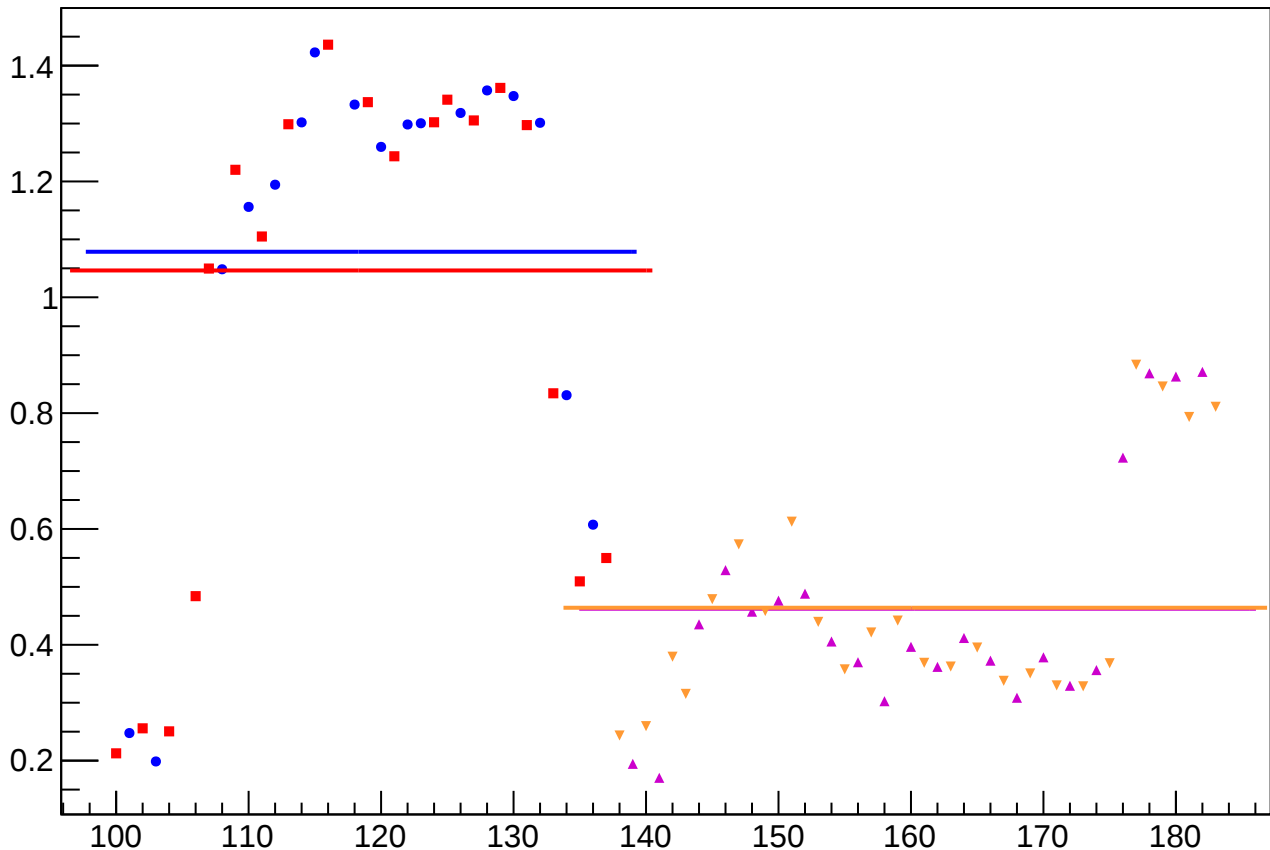
Left In: 0.002+/-0.000 χ^2/NDF :429640.5/21

+ sign 0.002+/-0.000 χ^2/NDF : 883448.5/40

All: 0.002+/-0.000 χ^2/NDF : 1765560.4/81

- sign 0.002+/-0.000 χ^2/NDF : 882083.1/40

yield_bpm2i02X_mean vs Slug



Right In: 1.079 $\pm$ 0.000 χ^2/NDF : 17504335724.9/16

Left Out: 0.464 $\pm$ 0.000 χ^2/NDF : 7171573900.8/23

Right Out: 1.046 $\pm$ 0.000 χ^2/NDF : 19655971884.7/18

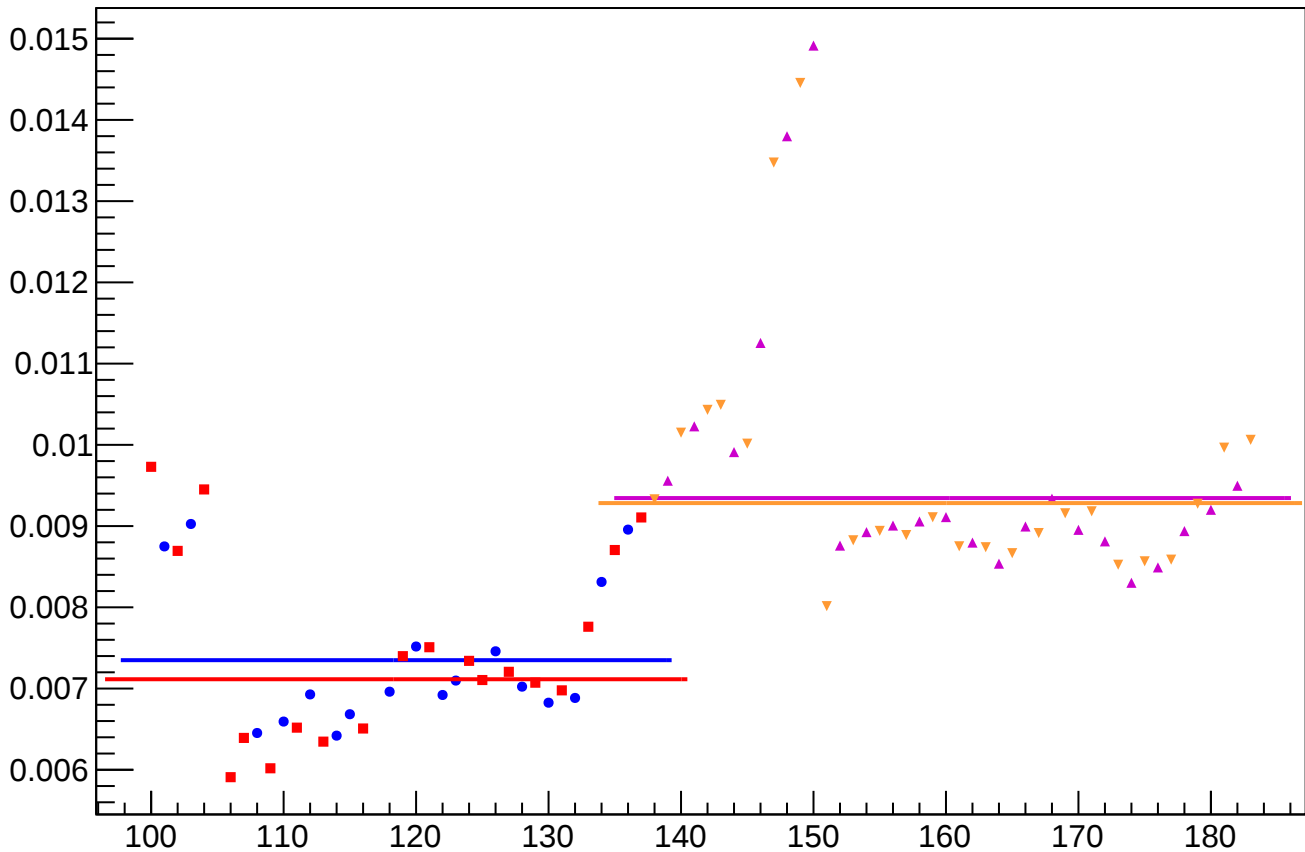
Left In: 0.462 $\pm$ 0.000 χ^2/NDF : 7777311717.1/21

+ sign 0.692 $\pm$ 0.000 χ^2/NDF : 53635776480.4/40

All: 0.699 $\pm$ 0.000 χ^2/NDF : 108378783131.6

- sign 0.706 $\pm$ 0.000 χ^2/NDF : 54709324379.1/40

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 180865.9/16

Left Out: 0.009+/-0.000 χ^2/NDF : 524918.0/23

Right Out: 0.007+/-0.000 χ^2/NDF : 259361.2/18

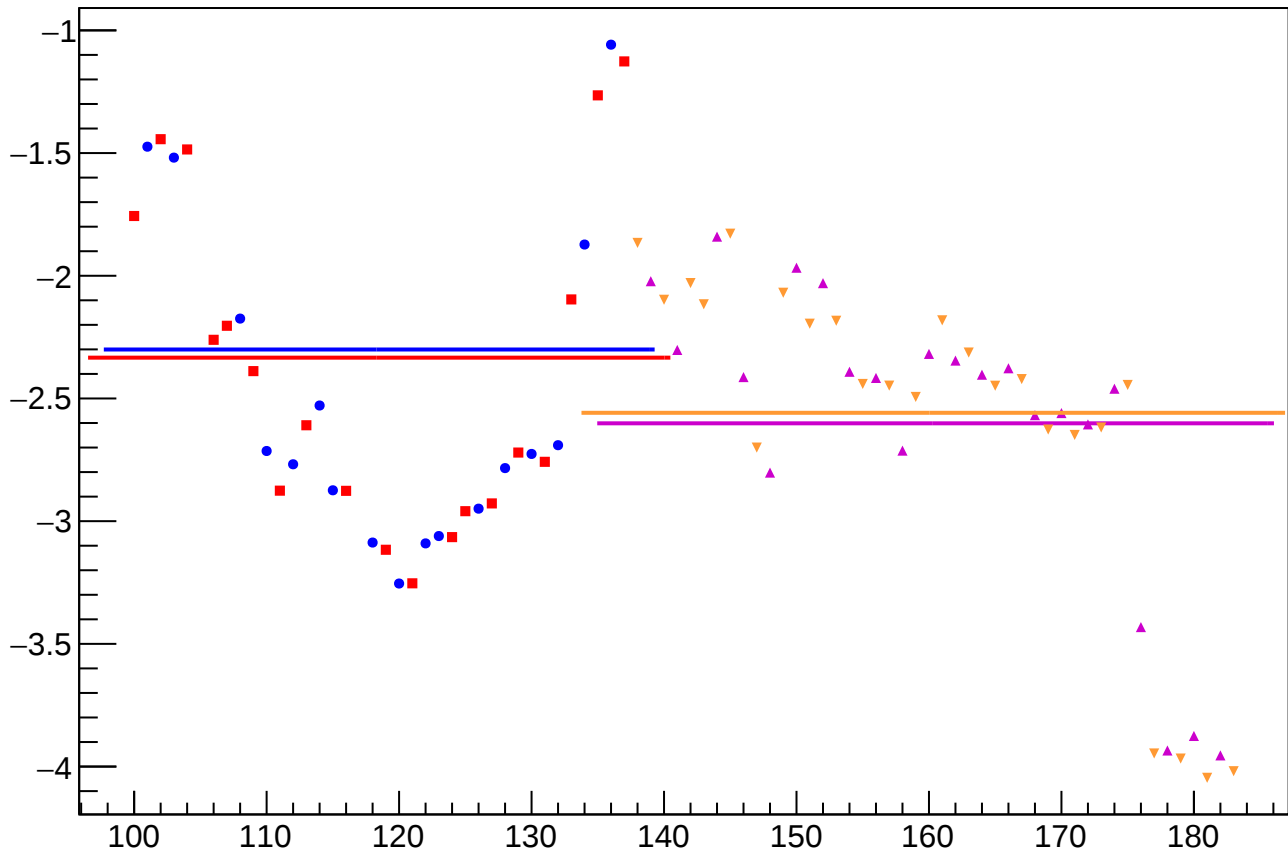
Left In: 0.009+/-0.000 χ^2/NDF : 556308.9/21

+ sign 0.009+/-0.000 χ^2/NDF : 1279118.6/40

All: 0.008+/-0.000 χ^2/NDF : 2898040.3/81

- sign 0.008+/-0.000 χ^2/NDF : 1611251.4/40

yield_bpm2i02Y_mean vs Slug



Right In: -2.300+/-0.000 χ^2/NDF : 73601400403.2/16

Left Out: -2.558+/-0.000 χ^2/NDF : 93635350375.3/23

Right Out: -2.334+/-0.000 χ^2/NDF : 64343197509.4/18

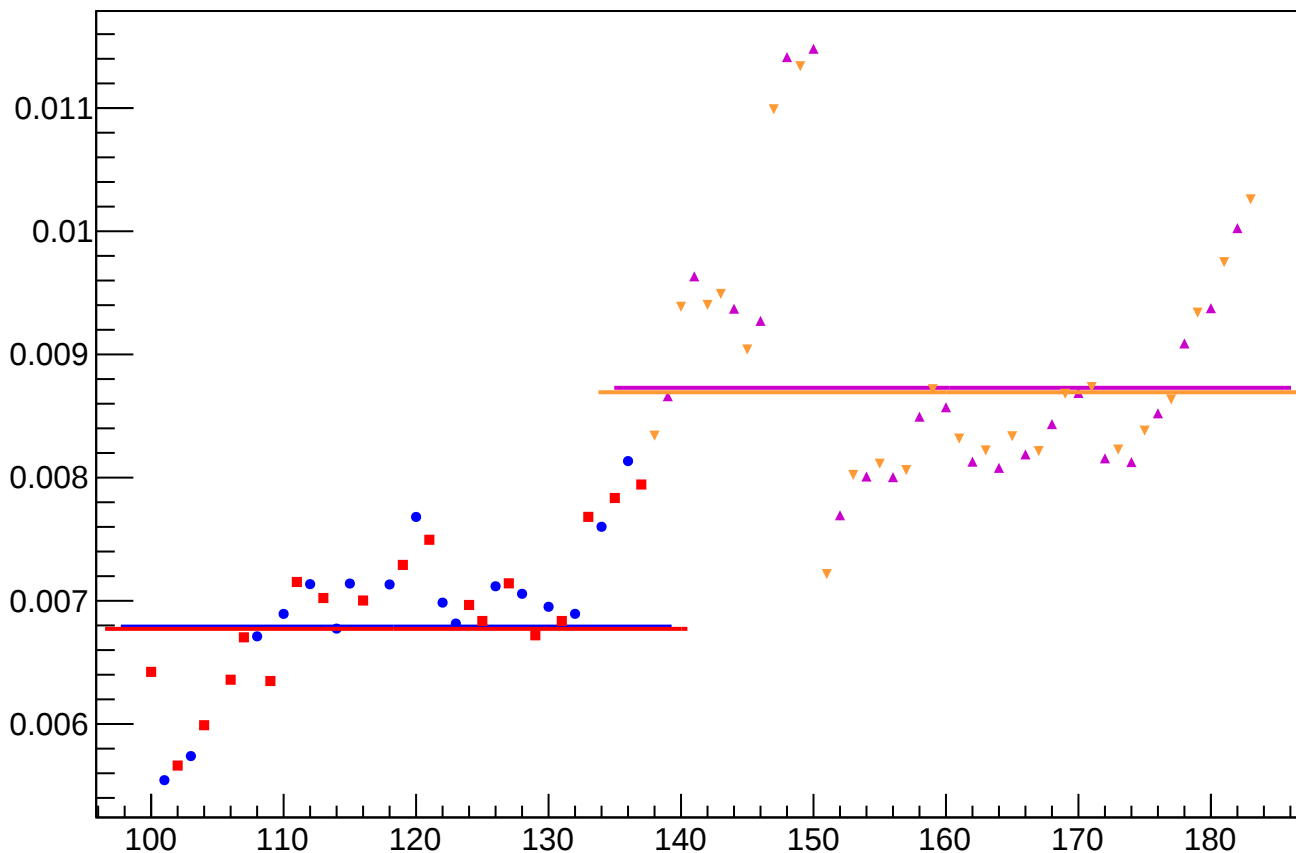
Left In: -2.601+/-0.000 χ^2/NDF : 74660749434.8/21

+ sign -2.461+/-0.000 χ^2/NDF : 173183173608.1/40

All: -2.476+/-0.000 χ^2/NDF : 318846652363.2

- sign -2.492+/-0.000 χ^2/NDF : 145487740769.4/40

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165798.3/16

Left Out: 0.009+/-0.000 χ^2/NDF : 359582.1/23

Right Out: 0.007+/-0.000 χ^2/NDF : 123254.7/18

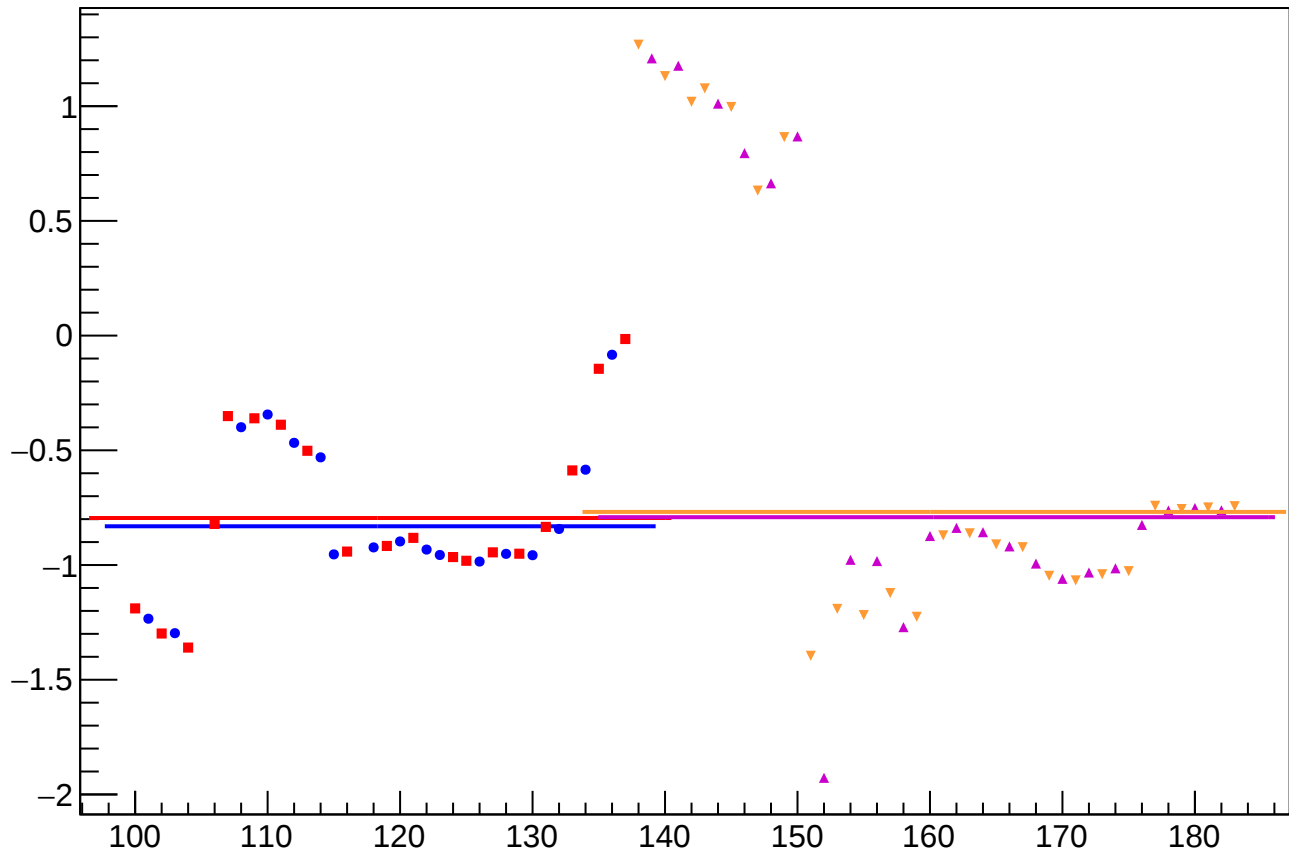
Left In: 0.009+/-0.000 χ^2/NDF : 349095.6/21

+ sign 0.008+/-0.000 χ^2/NDF : 1172291.5/40

All: 0.008+/-0.000 χ^2/NDF : 2338995.3/81

- sign 0.008+/-0.000 χ^2/NDF : 1165828.3/40

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6684927415.2/16

Left Out: -0.768 ± 0.000 χ^2/NDF : 120766735770.2/23

Right Out: -0.795 ± 0.000 χ^2/NDF : 7817248130.7/18

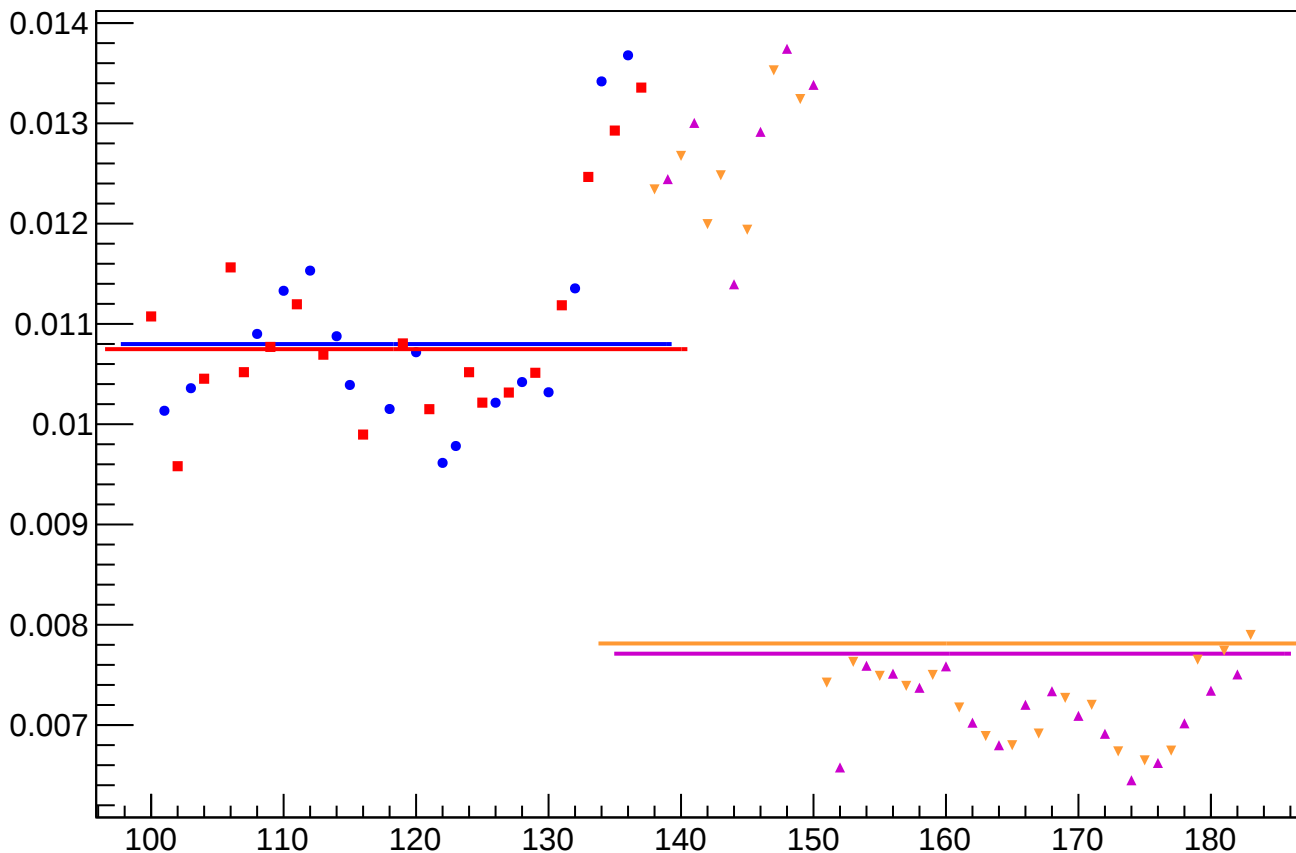
Left In: -0.792 ± 0.000 χ^2/NDF : 123432420164.3/21

+ sign -0.779 ± 0.000 χ^2/NDF : 127635053353.4/40

All: -0.786 ± 0.000 χ^2/NDF : 258914026776.1

- sign -0.792 ± 0.000 χ^2/NDF : 131250284186.7/40

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124812.3/16

Left Out: 0.008+/-0.000 χ^2/NDF :1705994.6/23

Right Out: 0.011+/-0.000 χ^2/NDF : 89612.1/18

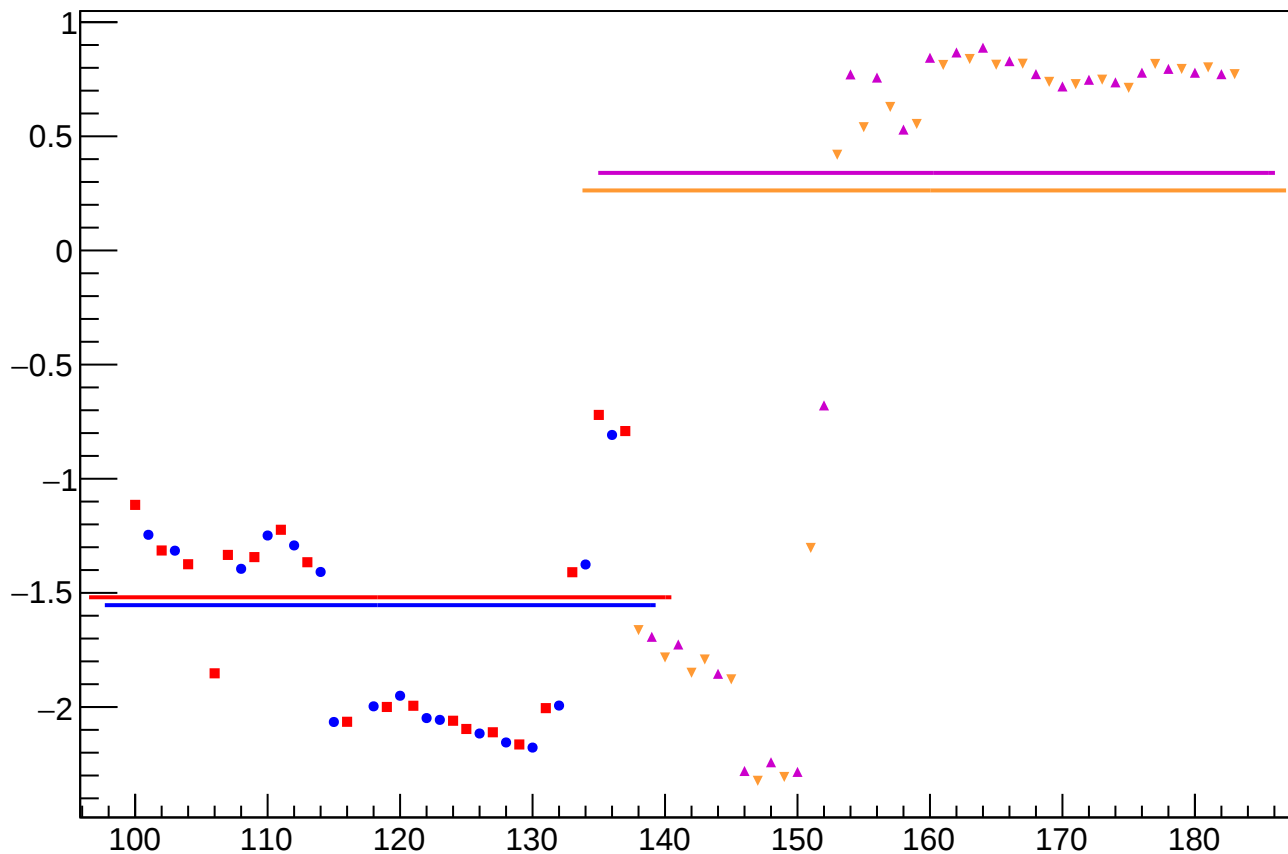
Left In: 0.008+/-0.000 χ^2/NDF :1746373.9/21

+ sign 0.008+/-0.000 χ^2/NDF : 2663506.6/40

All: 0.008+/-0.000 χ^2/NDF : 5397883.1/81

- sign 0.008+/-0.000 χ^2/NDF : 2733523.6/40

yield_bpm0i01Y_mean vs Slug



Right In: -1.554+/-0.000 χ^2/NDF : 153751208532.9/16

Left Out: 0.263+/-0.000 χ^2/NDF : 2572264558905.3/23

Right Out: -1.519+/-0.000 χ^2/NDF : 138061021403.9/18

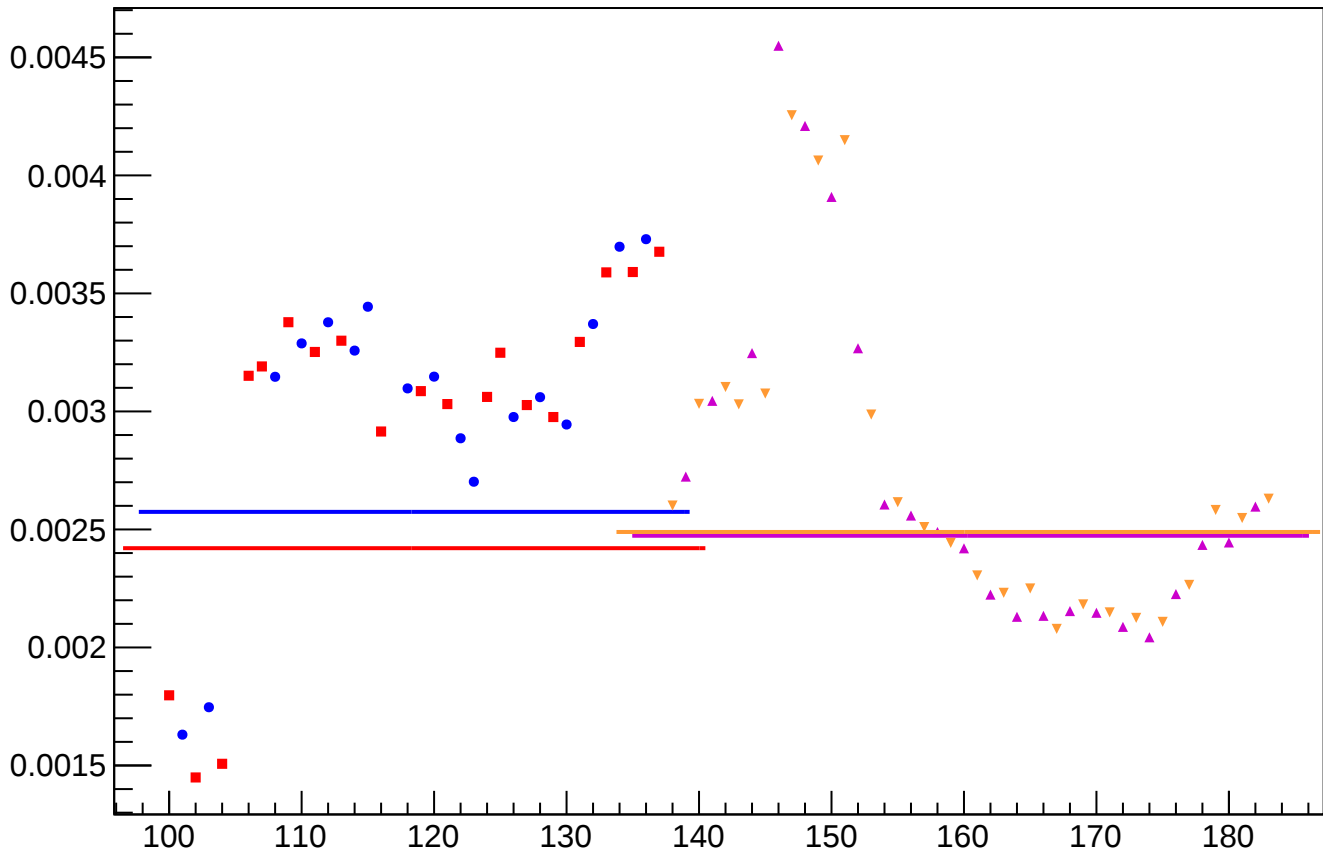
Left In: 0.340+/-0.000 χ^2/NDF : 2265021258712.1/21

+ sign -0.187+/-0.000 χ^2/NDF : 4836583384800.3/4

All: -0.187+/-0.000 χ^2/NDF : 9628158704488

- sign -0.187+/-0.000 χ^2/NDF : 4791574594401.9/4

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013543.2/16

Left Out: 0.002+/-0.000 χ^2/NDF :1070090.9/23

Right Out: 0.002+/-0.000 χ^2/NDF : 1484766.5/18

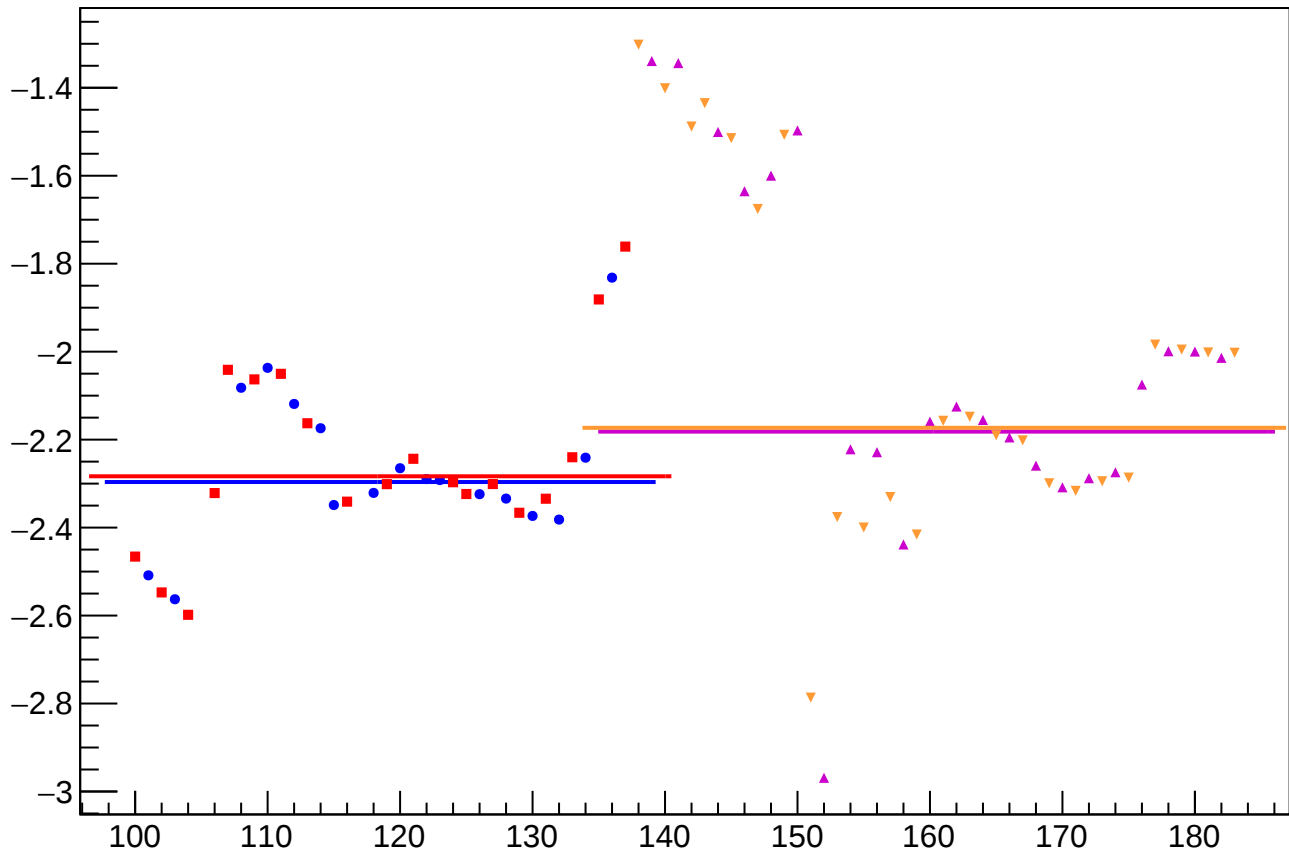
Left In: 0.002+/-0.000 χ^2/NDF :1135277.0/21

+ sign 0.003+/-0.000 χ^2/NDF : 2092904.6/40

All: 0.002+/-0.000 χ^2/NDF : 4726035.2/81

- sign 0.002+/-0.000 χ^2/NDF : 2623886.1/40

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5781445779.2/16

Left Out: -2.173+/-0.000 χ^2/NDF : 59581019121.8/23

Right Out: -2.283+/-0.000 χ^2/NDF : 6547805693.1/18

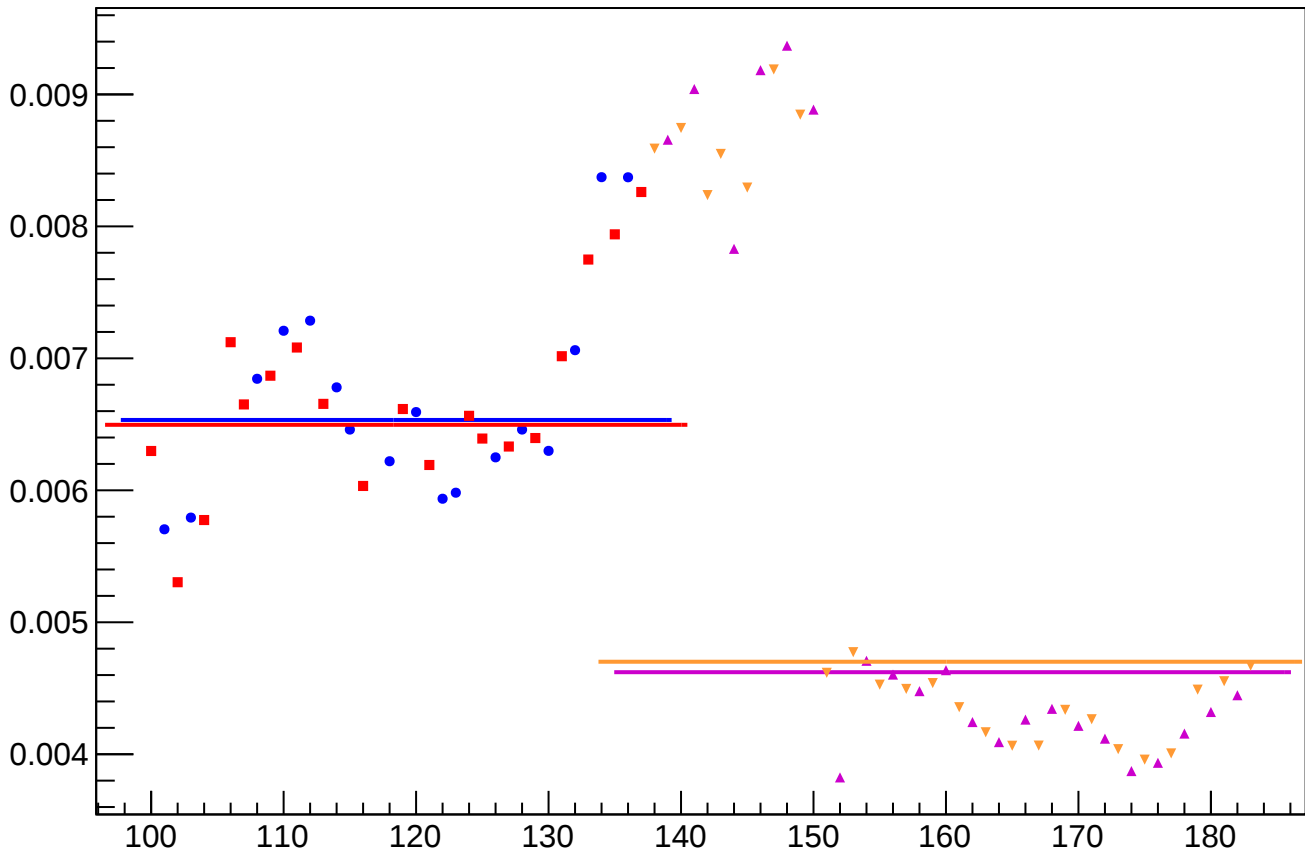
Left In: -2.182+/-0.000 χ^2/NDF : 72897804076.1/21

+ sign -2.194+/-0.000 χ^2/NDF : 67269723601.0/40

All: -2.197+/-0.000 χ^2/NDF : 148083440427.5

- sign -2.200+/-0.000 χ^2/NDF : 80795443497.8/40

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 175590.1/16

Left Out: 0.005+/-0.000 χ^2/NDF :2319245.7/23

Right Out: 0.006+/-0.000 χ^2/NDF : 163206.3/18

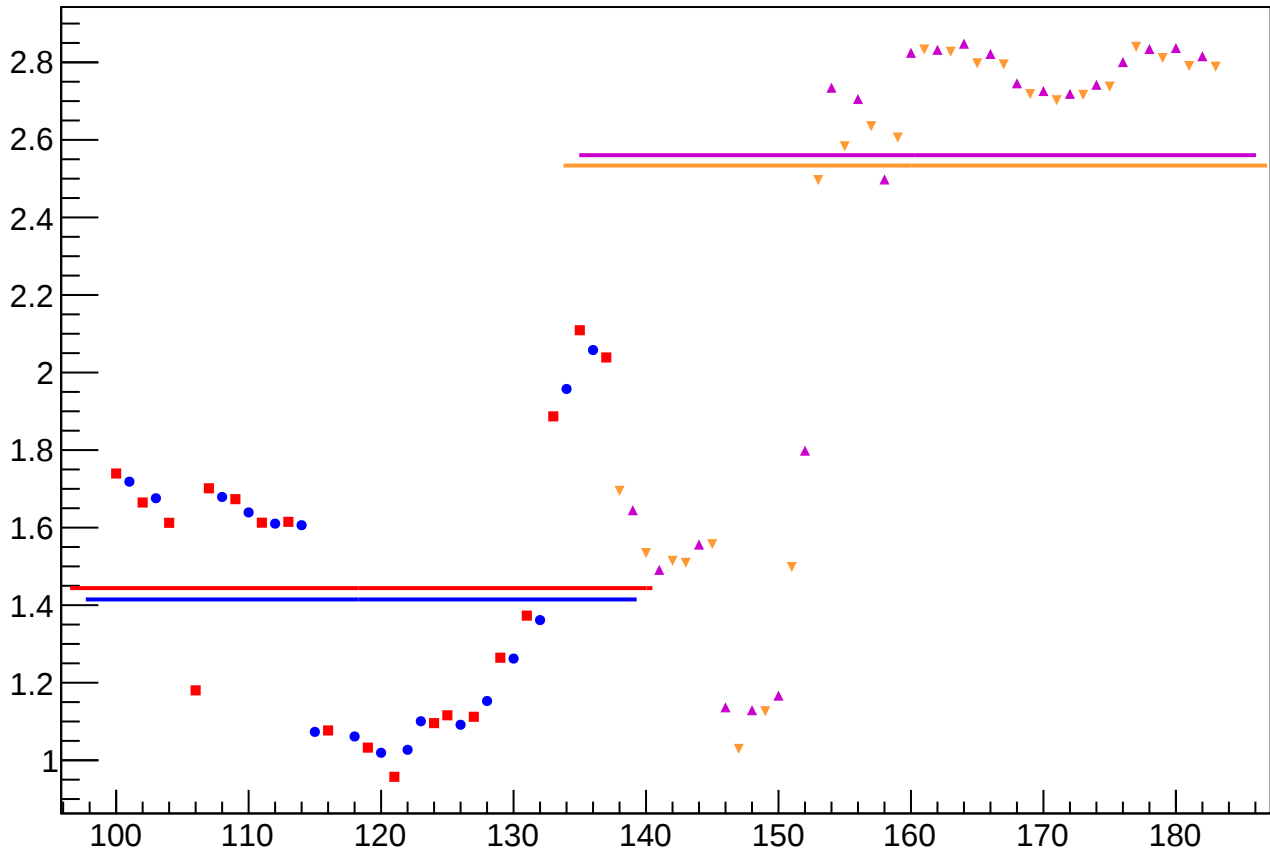
Left In: 0.005+/-0.000 χ^2/NDF :2366109.6/21

+ sign 0.005+/-0.000 χ^2/NDF : 3337062.4/40

All: 0.005+/-0.000 χ^2/NDF : 6788830.1/81

- sign 0.005+/-0.000 χ^2/NDF : 3449863.5/40

yield_bpm0i01aY_mean vs Slug



Right In: 1.415+/-0.000 χ^2/NDF : 171733730631.9/16

Left Out: 2.534+/-0.000 χ^2/NDF : 268630038987.1/23

Right Out: 1.444+/-0.000 χ^2/NDF : 172869416198.6/18

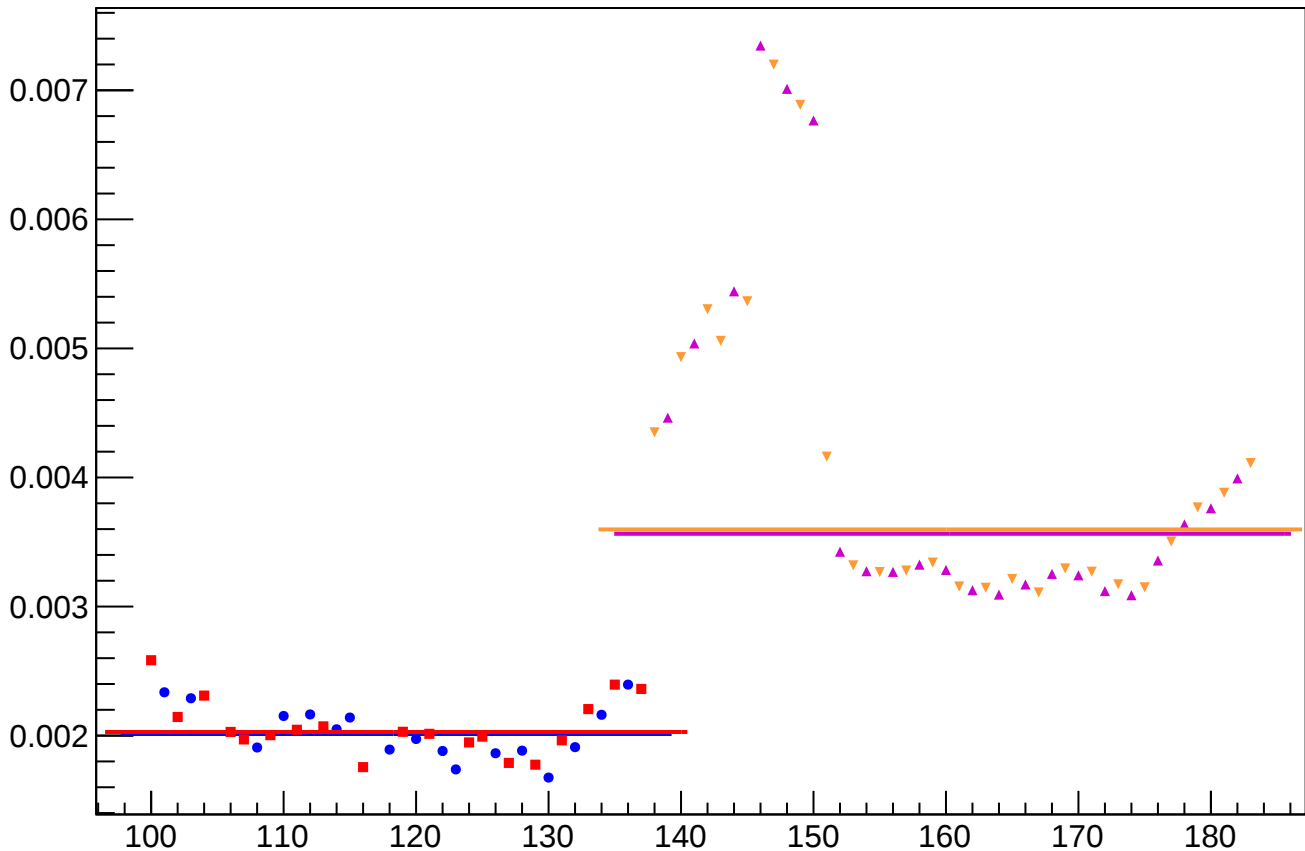
Left In: 2.561+/-0.000 χ^2/NDF : 259233501828.4/21

+ sign 1.925+/-0.000 χ^2/NDF : 1307029266851.3/40

All: 1.927+/-0.000 χ^2/NDF : 2590205852830.0

- sign 1.929+/-0.000 χ^2/NDF : 1283158533768.5/40

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 149372.5/16

Left Out: 0.004+/-0.000 χ^2/NDF : 1406012.9/23

Right Out: 0.002+/-0.000 χ^2/NDF : 102976.0/18

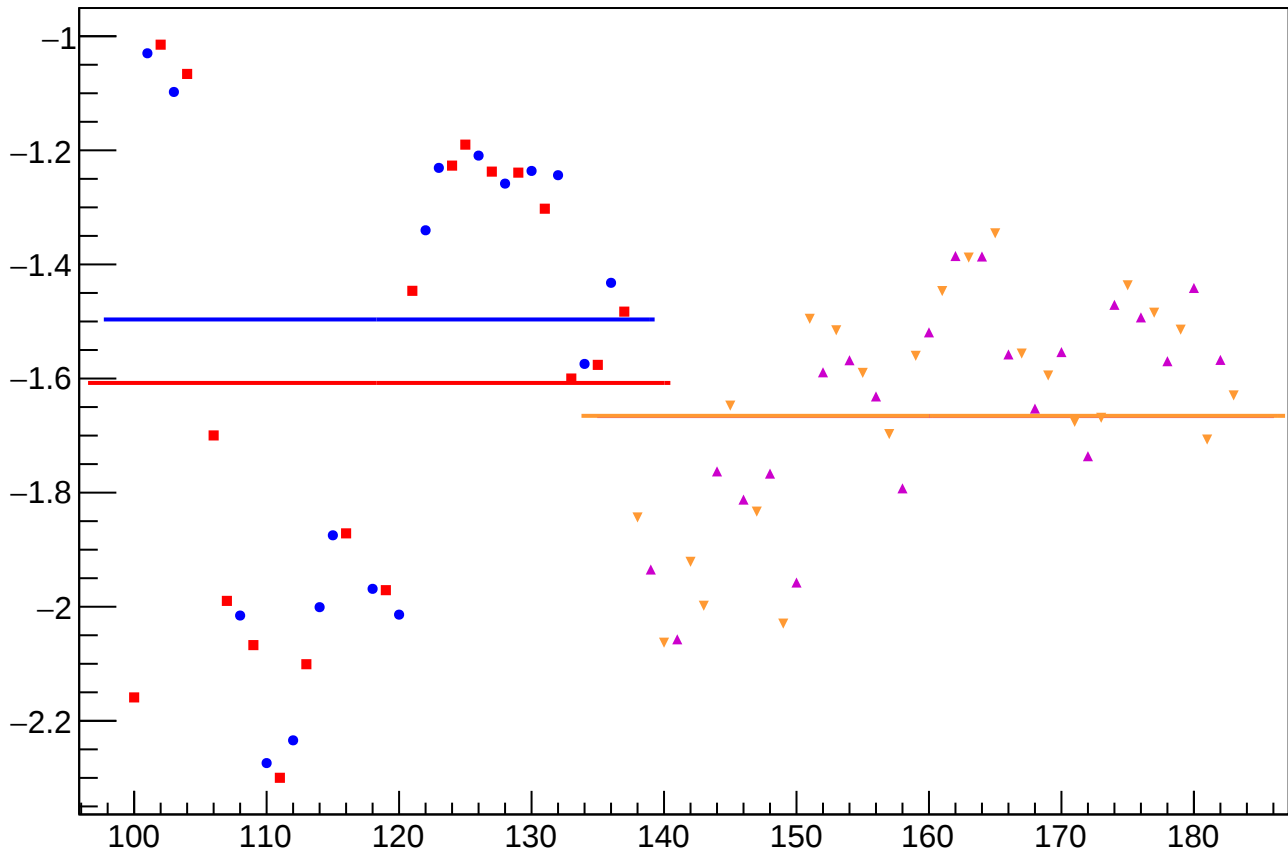
Left In: 0.004+/-0.000 χ^2/NDF : 1560630.3/21

+ sign 0.003+/-0.000 χ^2/NDF : 5031961.7/40

All: 0.003+/-0.000 χ^2/NDF : 9919959.4/81

- sign 0.003+/-0.000 χ^2/NDF : 4883414.2/40

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22480434073.3/16

Left Out: -1.665+/-0.000 χ^2/NDF : 18300390533.4/23

Right Out: -1.608+/-0.000 χ^2/NDF : 27825836681.8/18

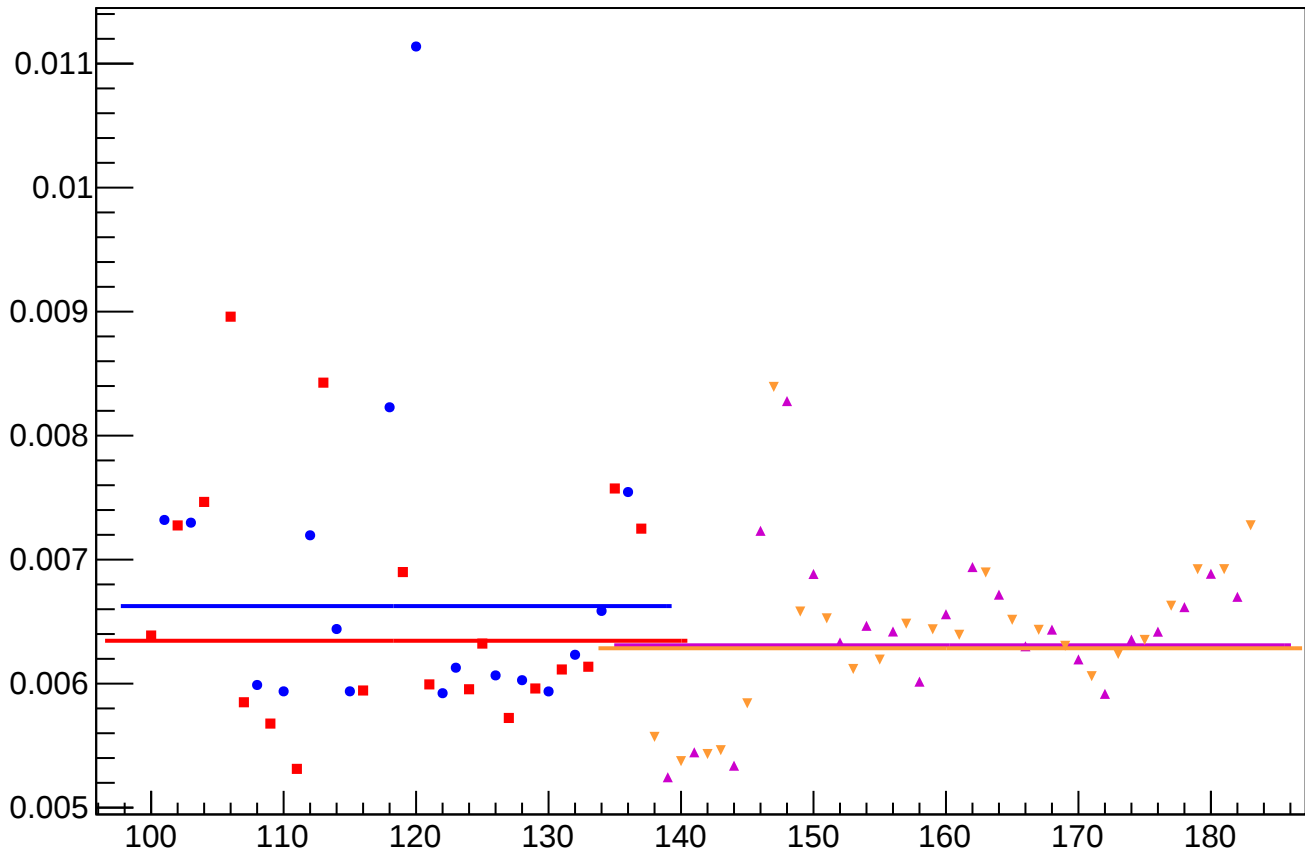
Left In: -1.666+/-0.000 χ^2/NDF : 14288525197.5/21

+ sign -1.625+/-0.000 χ^2/NDF : 43776054899.1/40

All: -1.637+/-0.000 χ^2/NDF : 86452047033.9/40

- sign -1.649+/-0.000 χ^2/NDF : 42506602357.7/40

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 231716.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :297509.0/23

Right Out: 0.006+/-0.000 χ^2/NDF : 228829.0/18

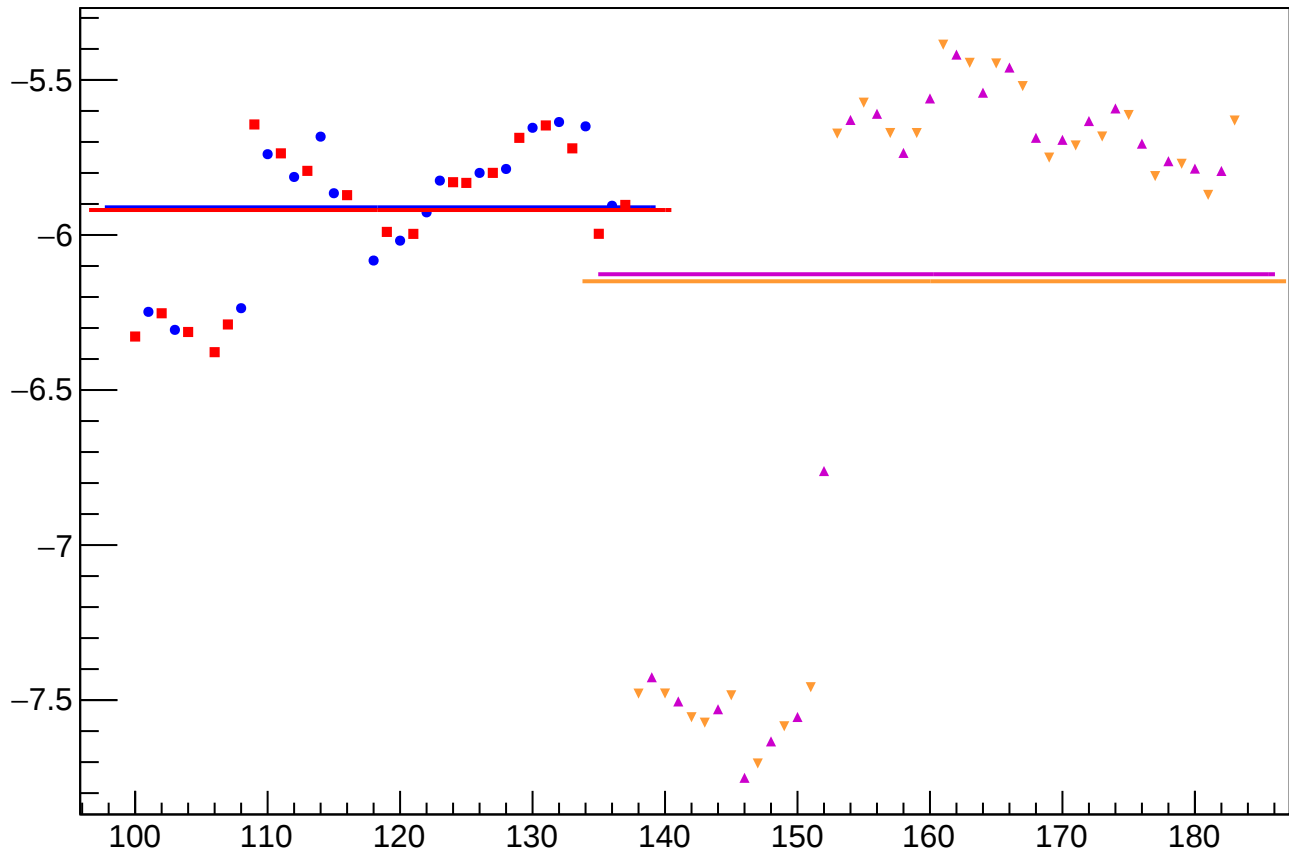
Left In: 0.006+/-0.000 χ^2/NDF :317150.3/21

+ sign 0.006+/-0.000 χ^2/NDF : 553522.4/40

All: 0.006+/-0.000 χ^2/NDF : 1101099.7/81

- sign 0.006+/-0.000 χ^2/NDF : 546292.6/40

yield_bpm0l01Y_mean vs Slug



Right In: -5.911+/-0.000 χ^2/NDF : 11134606775.1/16

Left Out: -6.149+/-0.000 χ^2/NDF : 184818458471.6/23

Right Out: -5.919+/-0.000 χ^2/NDF : 12817250659.6/18

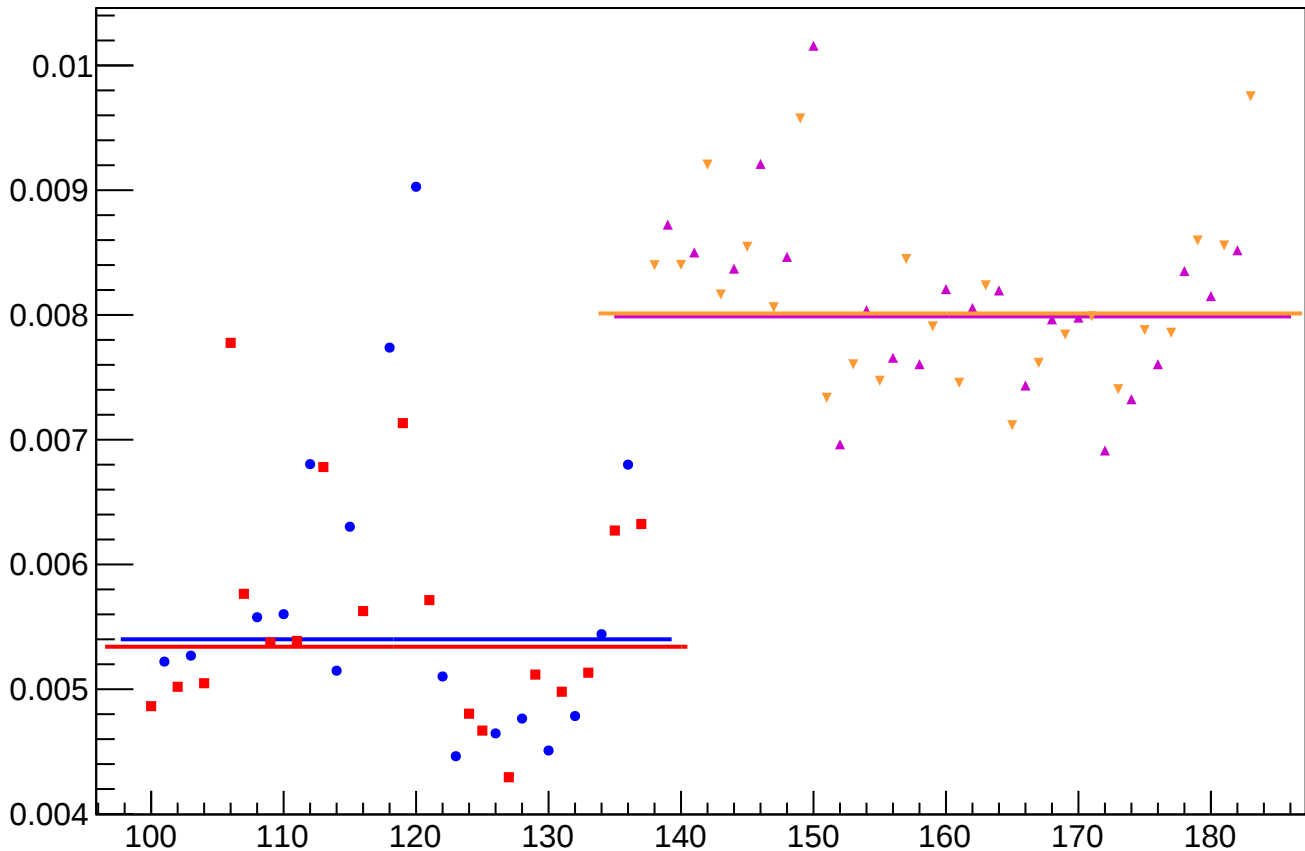
Left In: -6.127+/-0.000 χ^2/NDF : 157689770019.5/21

+ sign -6.044+/-0.000 χ^2/NDF : 202359794204.8/40

All: -6.036+/-0.000 χ^2/NDF : 377919819512.6

- sign -6.028+/-0.000 χ^2/NDF : 175499232448.4/40

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 370479.4/16

Left Out: 0.008+/-0.000 χ^2/NDF :178031.3/23

Right Out: 0.005+/-0.000 χ^2/NDF : 251605.9/18

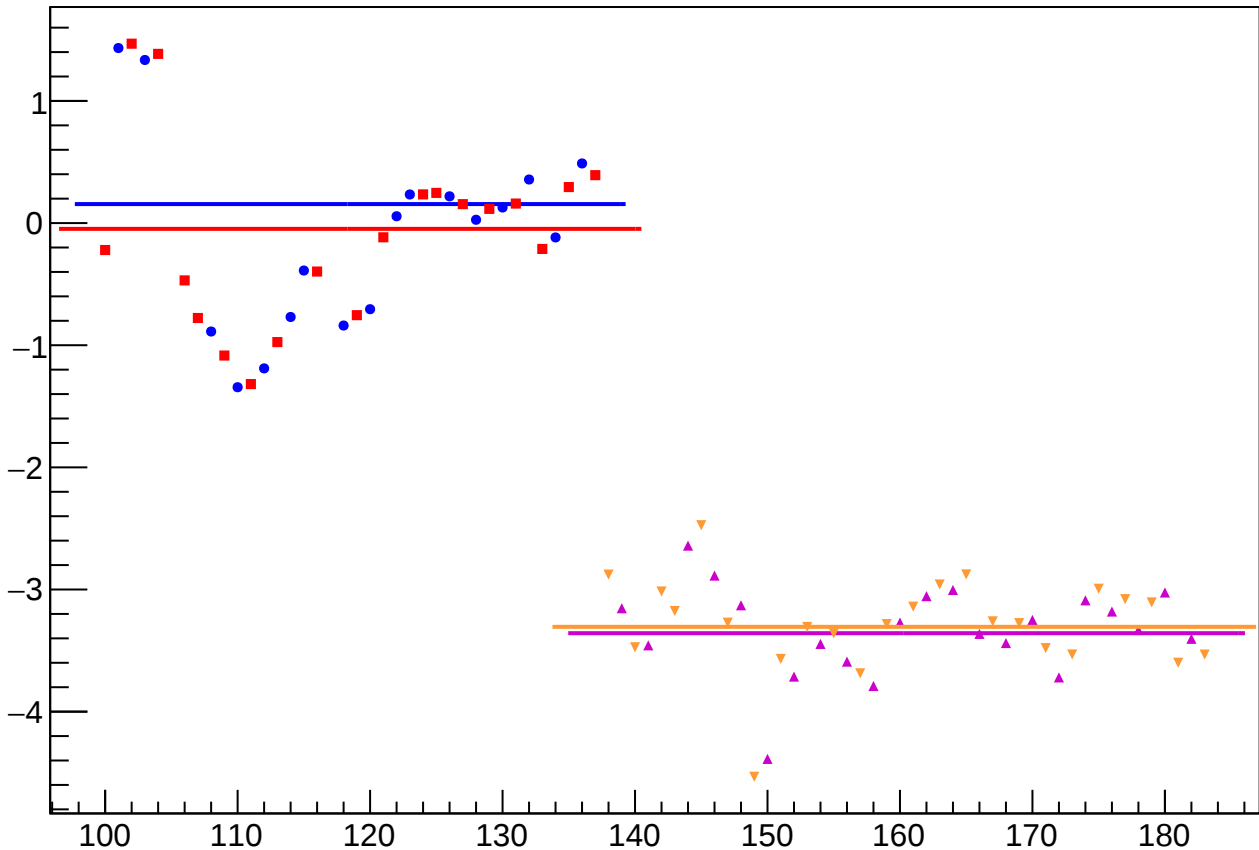
Left In: 0.008+/-0.000 χ^2/NDF :213708.2/21

+ sign 0.007+/-0.000 χ^2/NDF : 2086062.9/40

All: 0.007+/-0.000 χ^2/NDF : 4191288.6/81

- sign 0.007+/-0.000 χ^2/NDF : 2096929.3/40

yield_bpm0l02X_mean vs Slug



Right In: 0.156 $\pm$ 0.000 χ^2 /NDF: 16968312396.2/16

Left Out: -3.306 $\pm$ 0.000 χ^2 /NDF: 9193020903.9/23

Right Out: -0.047 $\pm$ 0.000 χ^2 /NDF: 21207878974.4/18

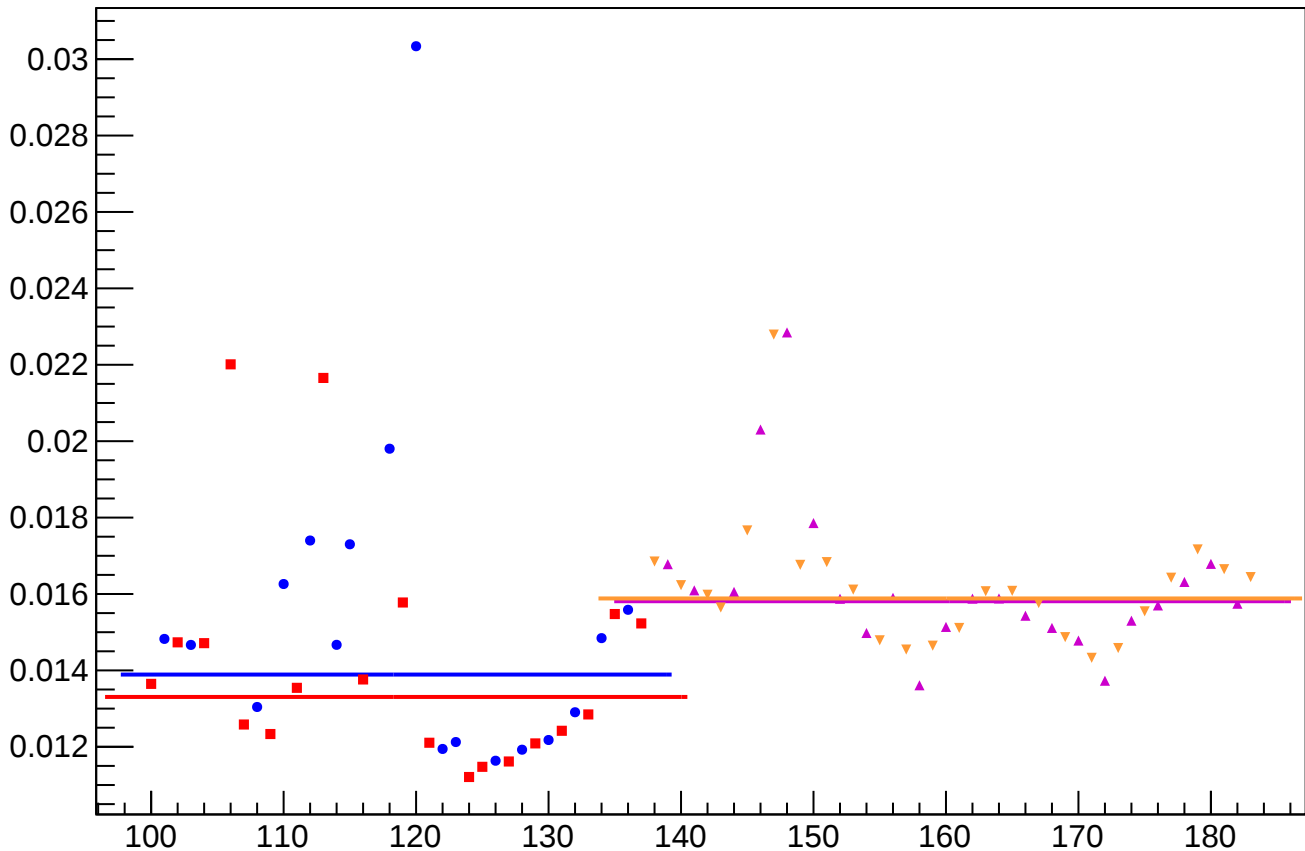
Left In: -3.358 $\pm$ 0.000 χ^2 /NDF: 8099579418.8/21

+ sign -2.244 $\pm$ 0.000 χ^2 /NDF: 280069758741.7/40

All: -2.209 $\pm$ 0.000 χ^2 /NDF: 565604216212.9

- sign -2.174 $\pm$ 0.000 χ^2 /NDF: 285283068992.0/40

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 401280.4/16

Left Out: 0.016+/-0.000 χ^2/NDF :249246.5/23

Right Out: 0.013+/-0.000 χ^2/NDF : 293774.0/18

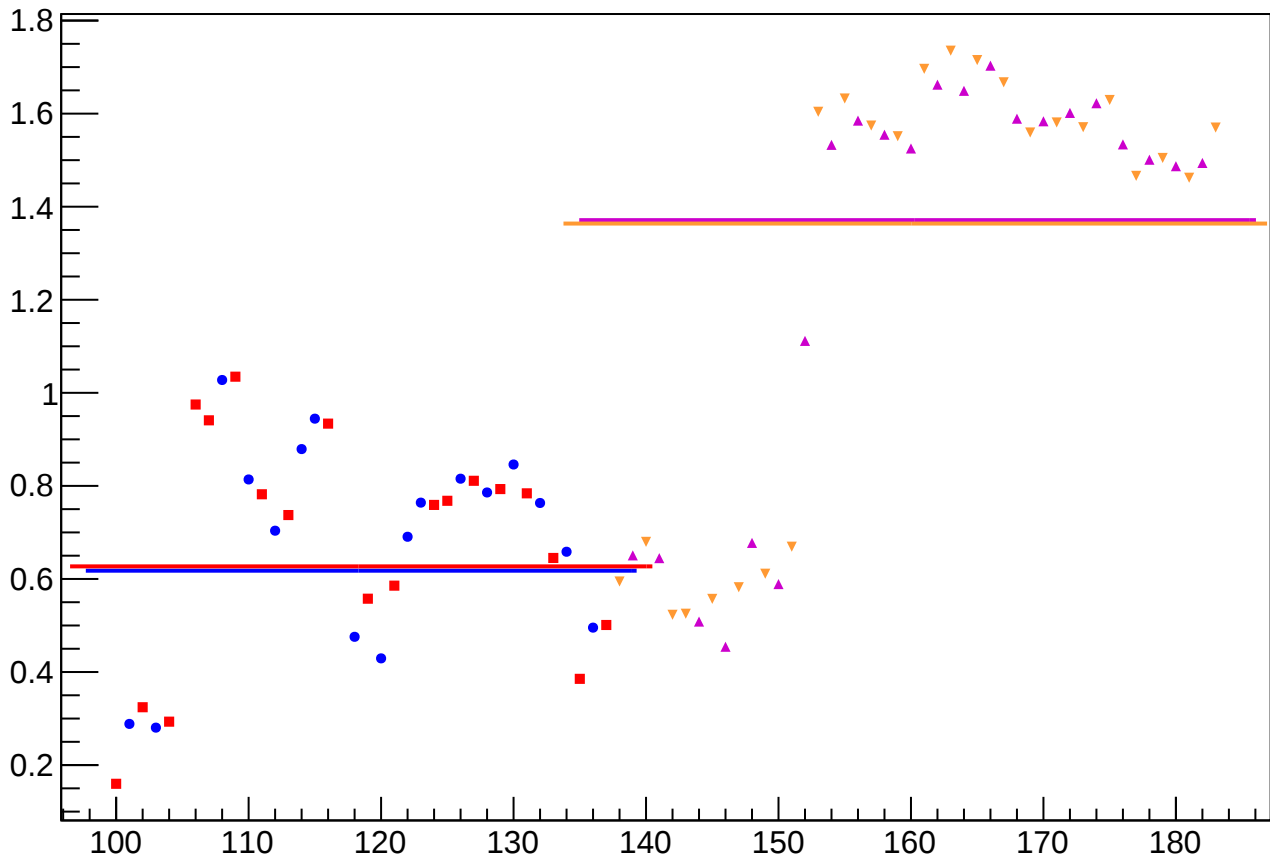
Left In: 0.016+/-0.000 χ^2/NDF :336059.1/21

+ sign 0.015+/-0.000 χ^2/NDF : 818772.0/40

All: 0.015+/-0.000 χ^2/NDF : 1754810.2/81

- sign 0.015+/-0.000 χ^2/NDF : 923163.8/40

yield_bpm0l02Y_mean vs Slug



Right In: 0.618 $\pm$ 0.000 χ^2 /NDF: 5402179431.9/16

Left Out: 1.364 $\pm$ 0.000 χ^2 /NDF: 74594236757.8/23

Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6335950203.8/18

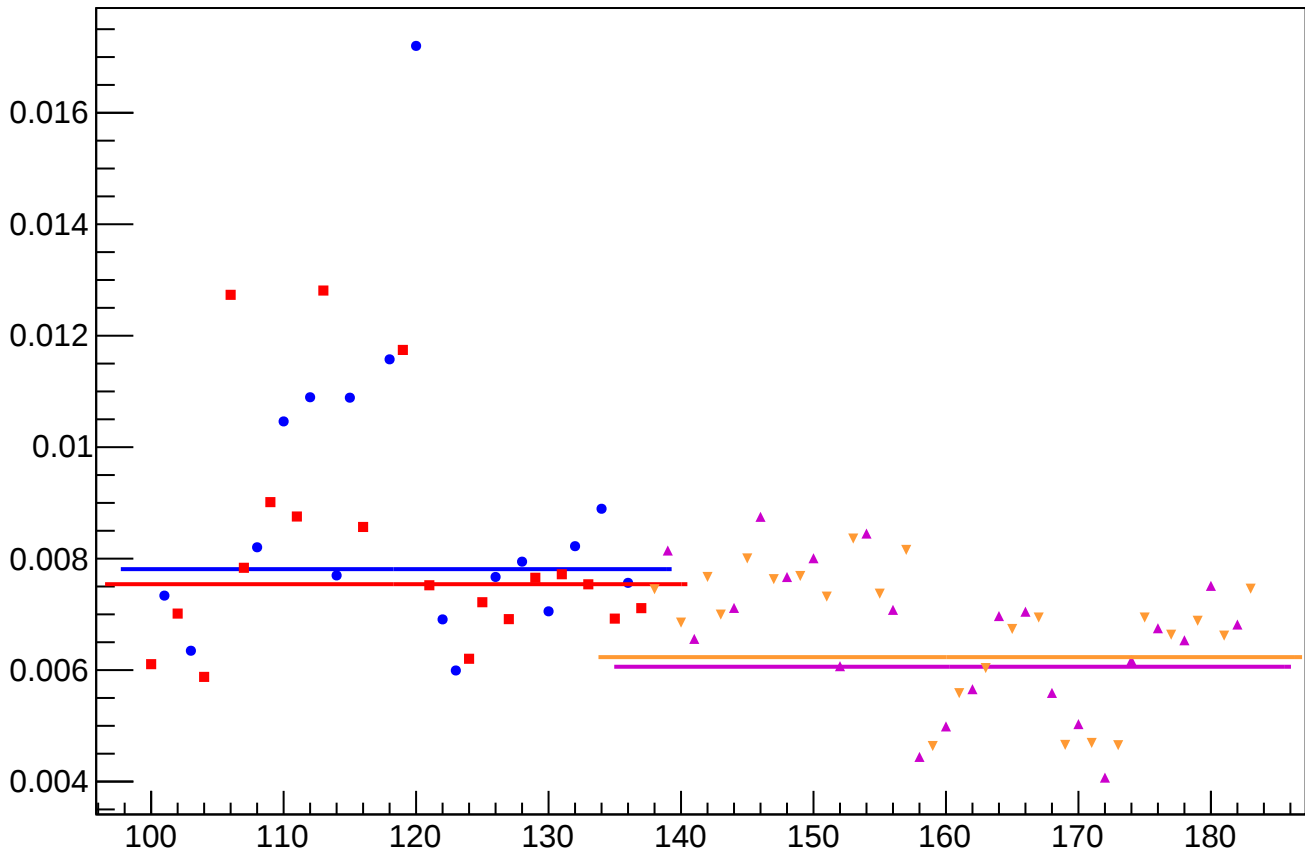
Left In: 1.371 $\pm$ 0.000 χ^2 /NDF: 63256827988.7/21

+ sign 1.227 $\pm$ 0.000 χ^2 /NDF: 123151942952.5/40

All: 1.223 $\pm$ 0.000 χ^2 /NDF: 240591767775.5

- sign 1.219 $\pm$ 0.000 χ^2 /NDF: 117424002915.6/40

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 467235.0/16

Left Out: 0.006+/-0.000 χ^2/NDF :1312553.5/23

Right Out: 0.008+/-0.000 χ^2/NDF : 441480.1/18

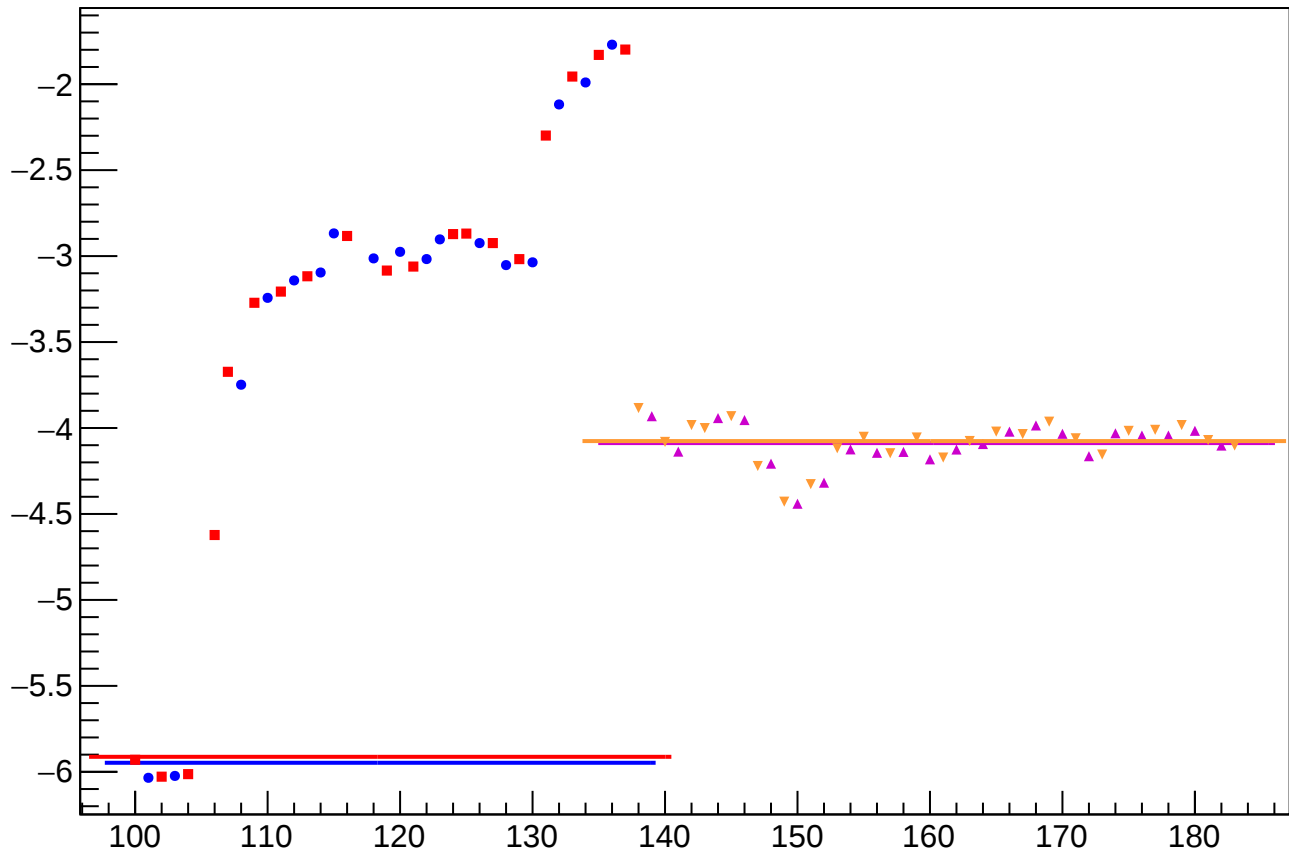
Left In: 0.006+/-0.000 χ^2/NDF :1417896.4/21

+ sign 0.007+/-0.000 χ^2/NDF : 2166297.4/40

All: 0.006+/-0.000 χ^2/NDF : 4418251.8/81

- sign 0.006+/-0.000 χ^2/NDF : 2238589.3/40

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2 /NDF: 13110506154.0/16

Left Out: -4.076+/-0.000 χ^2 /NDF: 36278155.9/23

Right Out: -5.913+/-0.000 χ^2 /NDF: 14598904051.6/18

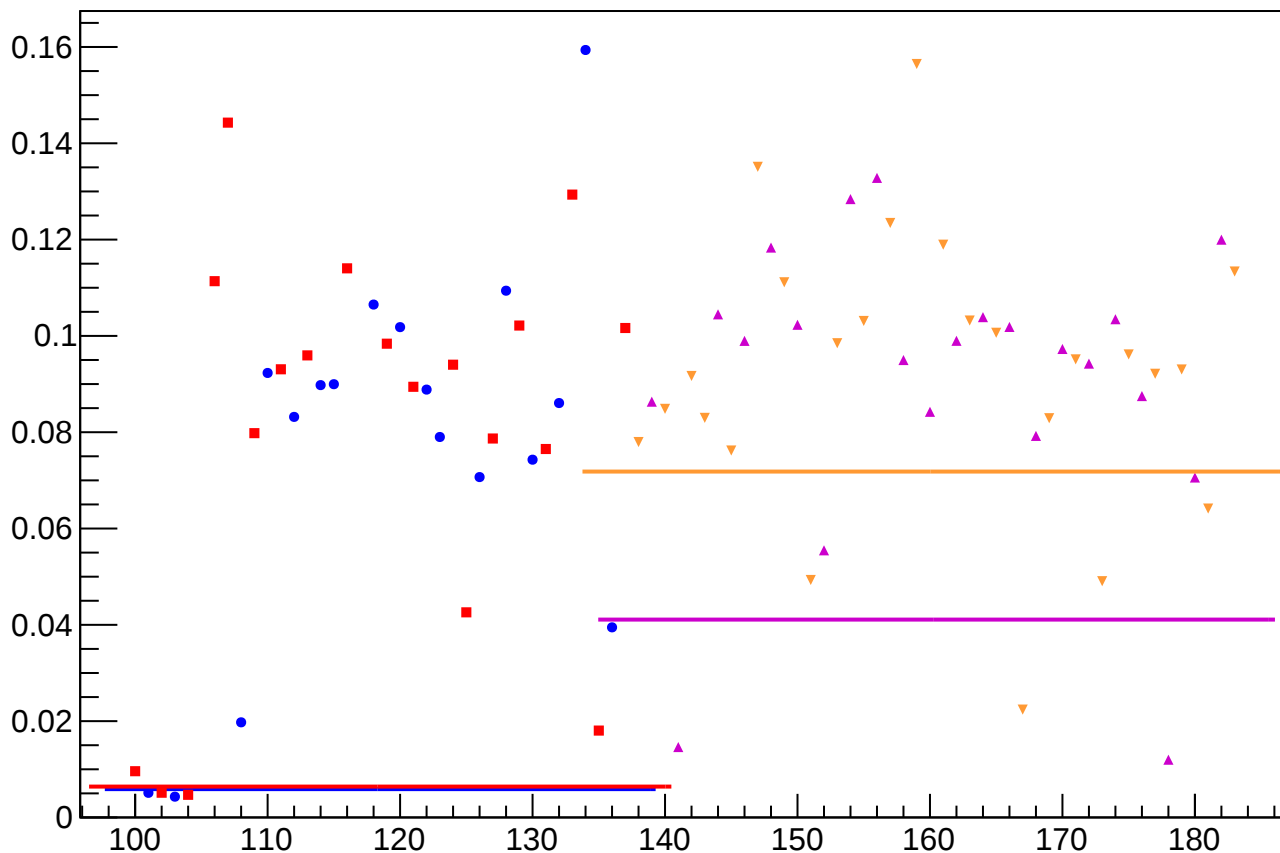
Left In: -4.088+/-0.000 χ^2 /NDF: 34412482.1/21

+ sign -5.855+/-0.000 χ^2 /NDF: 21292359563.5/40

All: -5.798+/-0.000 χ^2 /NDF: 48965660317.1/40

- sign -5.731+/-0.000 χ^2 /NDF: 27315951970.4/40

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7912012.3/16

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:5177554.2/23

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8462409.6/18

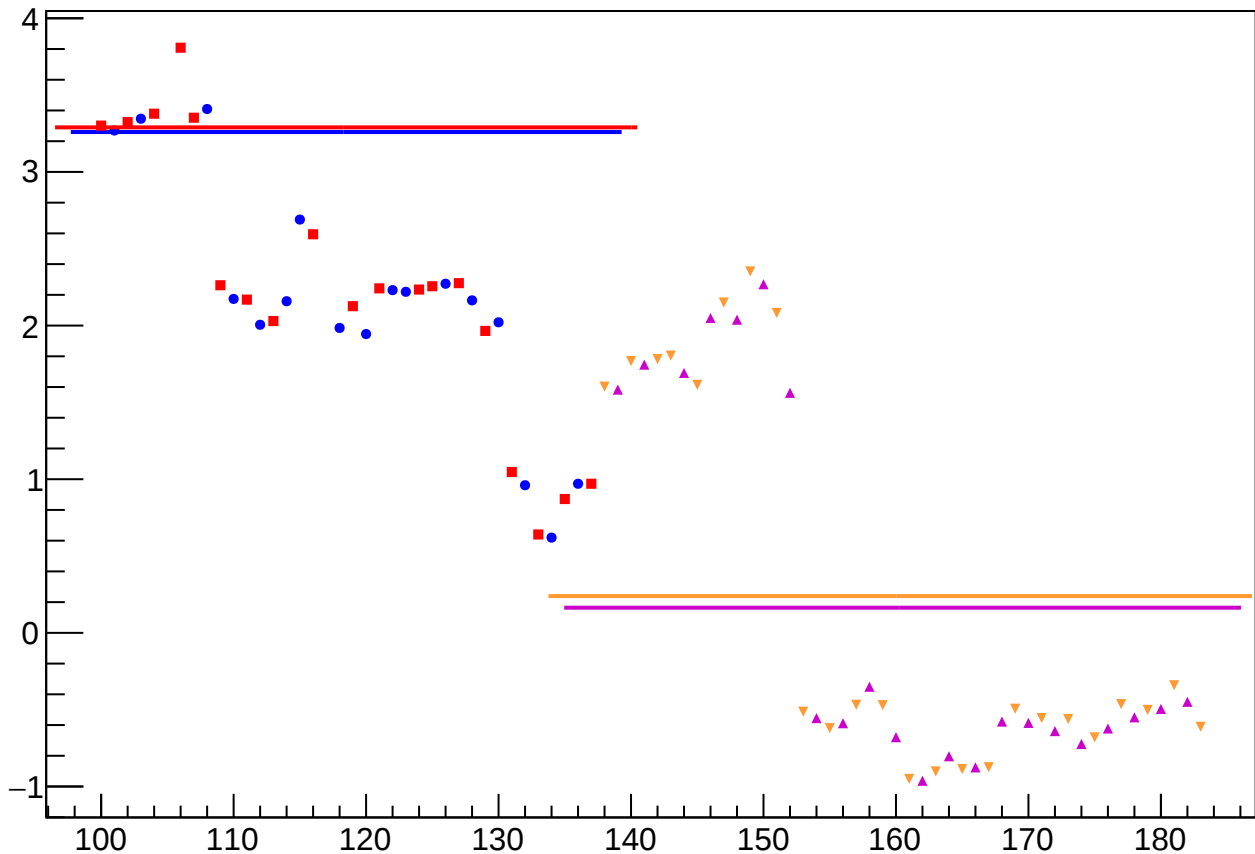
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13007034.5/21

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 33323543.6/40

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 63978501.9/81

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 30629266.5/40

yield_bpm0l03Y_mean vs Slug



Right In: 3.260 $\pm$ 0.000 χ^2 /NDF: 2914830636.8/16

Left Out: 0.239 $\pm$ 0.000 χ^2 /NDF:3148352661.4/23

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3257931929.9/18

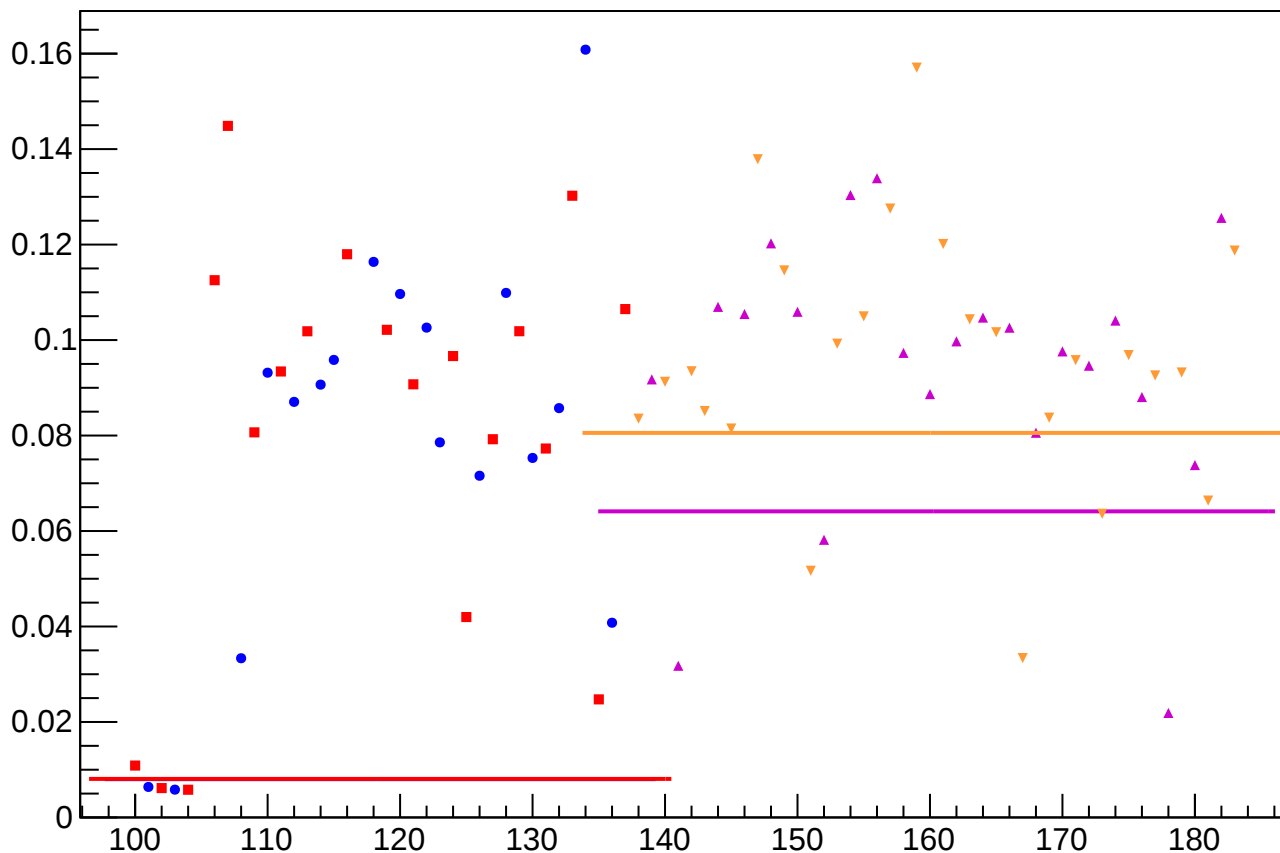
Left In: 0.164 $\pm$ 0.000 χ^2 /NDF:3144933673.2/21

+ sign 3.053 $\pm$ 0.000 χ^2 /NDF: 24056118166.7/40

All: 3.035 $\pm$ 0.000 χ^2 /NDF: 53191364520.1/8

- sign 3.016 $\pm$ 0.000 χ^2 /NDF: 29114870066.6/40

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 7721103.3/16

Left Out: 0.081+/-0.000 χ^2/NDF : 3344021.4/23

Right Out: 0.008+/-0.000 χ^2/NDF : 8274347.6/18

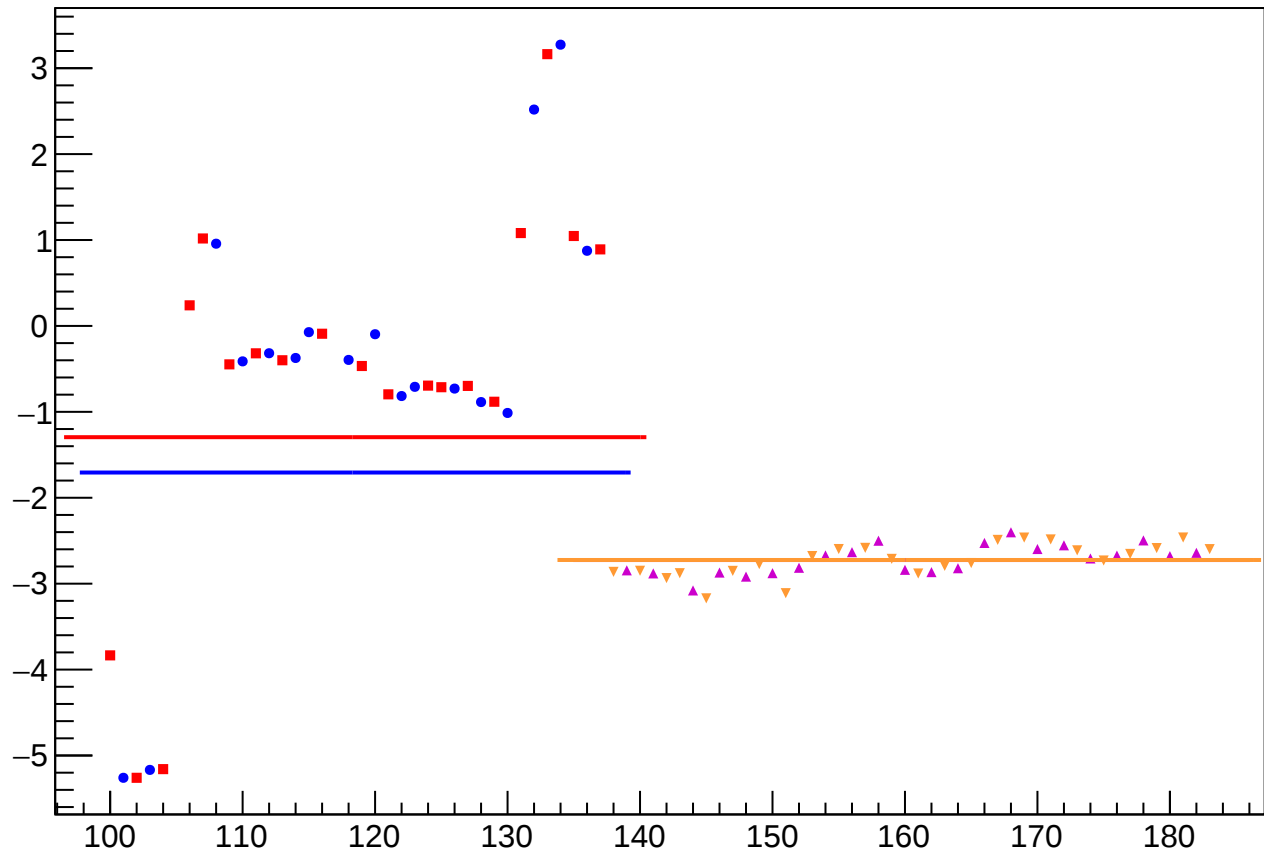
Left In: 0.064+/-0.000 χ^2/NDF : 6960096.0/21

+ sign 0.013+/-0.000 χ^2/NDF : 31816991.3/40

All: 0.013+/-0.000 χ^2/NDF : 61648489.1/81

- sign 0.013+/-0.000 χ^2/NDF : 29831496.0/40

yield_bpm0l04X_mean vs Slug



Right In: -1.706+/-0.000 χ^2/NDF : 166152957432.2/16

Left Out: -2.724+/-0.000 χ^2/NDF : 10163624619.4/23

Right Out: -1.295+/-0.000 χ^2/NDF : 178454284120.5/18

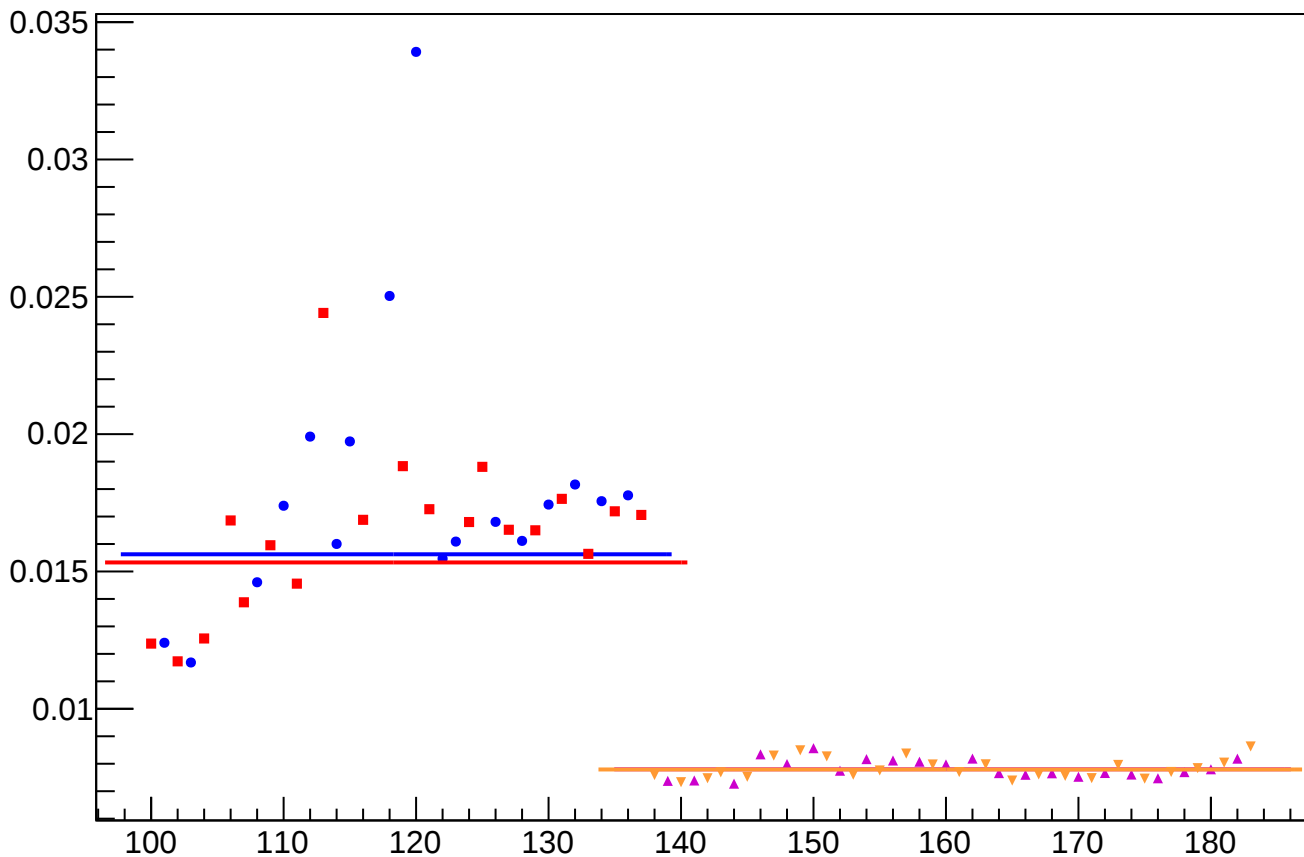
Left In: -2.725+/-0.000 χ^2/NDF : 7970577144.1/21

+ sign -2.649+/-0.000 χ^2/NDF : 198290680222.4/40

All: -2.624+/-0.000 χ^2/NDF : 434171797935.2

- sign -2.598+/-0.000 χ^2/NDF : 235480941125.5/40

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 576262.6/16

Left Out: 0.008+/-0.000 χ^2/NDF : 67014.3/23

Right Out: 0.015+/-0.000 χ^2/NDF : 349445.5/18

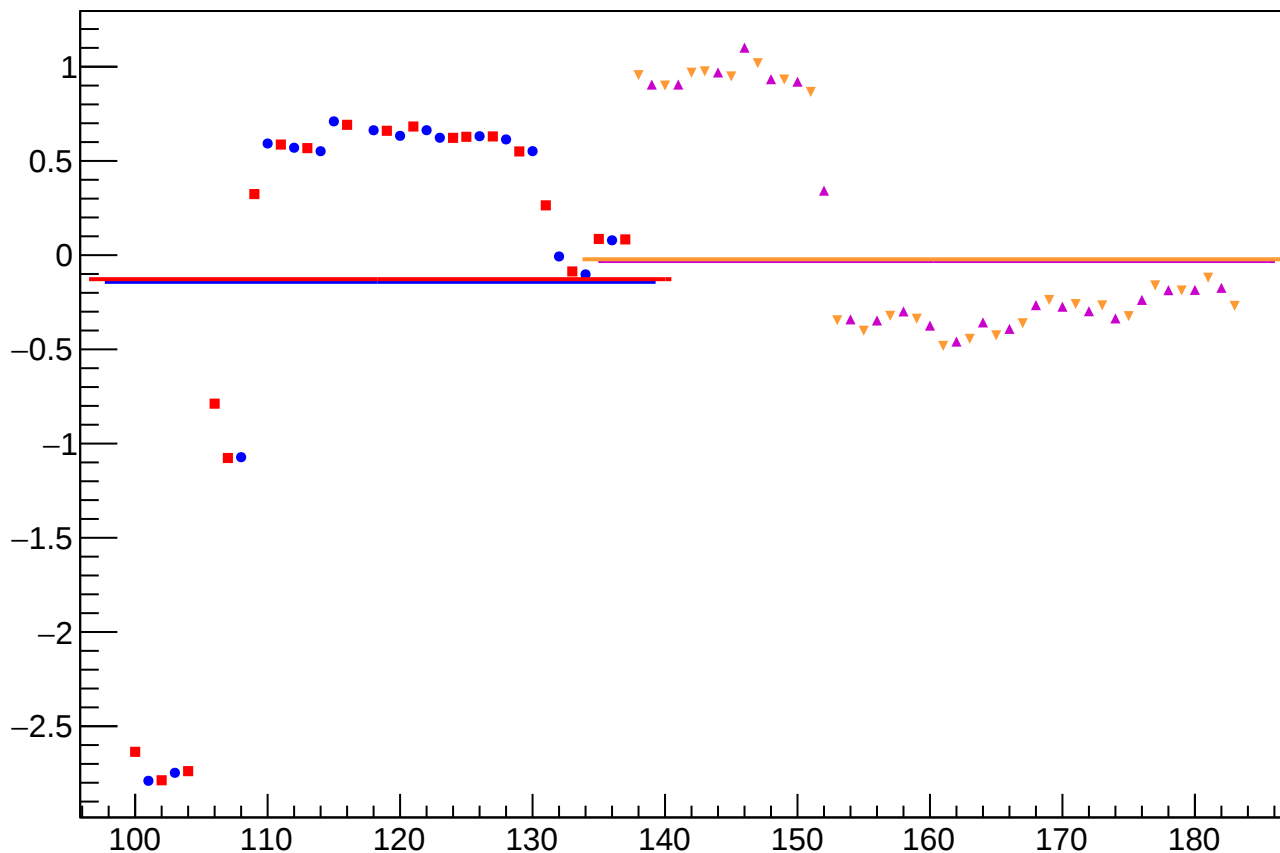
Left In: 0.008+/-0.000 χ^2/NDF : 61385.6/21

+ sign 0.008+/-0.000 χ^2/NDF : 3246491.9/40

All: 0.008+/-0.000 χ^2/NDF : 6381516.9/81

- sign 0.008+/-0.000 χ^2/NDF : 3132092.3/40

yield_bpm0l04Y_mean vs Slug



Right In: -0.142 ± 0.000 χ^2/NDF : 713960839307.6/16

Left Out: -0.022 ± 0.000 χ^2/NDF : 135176098509.4/23

Right Out: -0.128 ± 0.000 χ^2/NDF : 760638736693.8/18

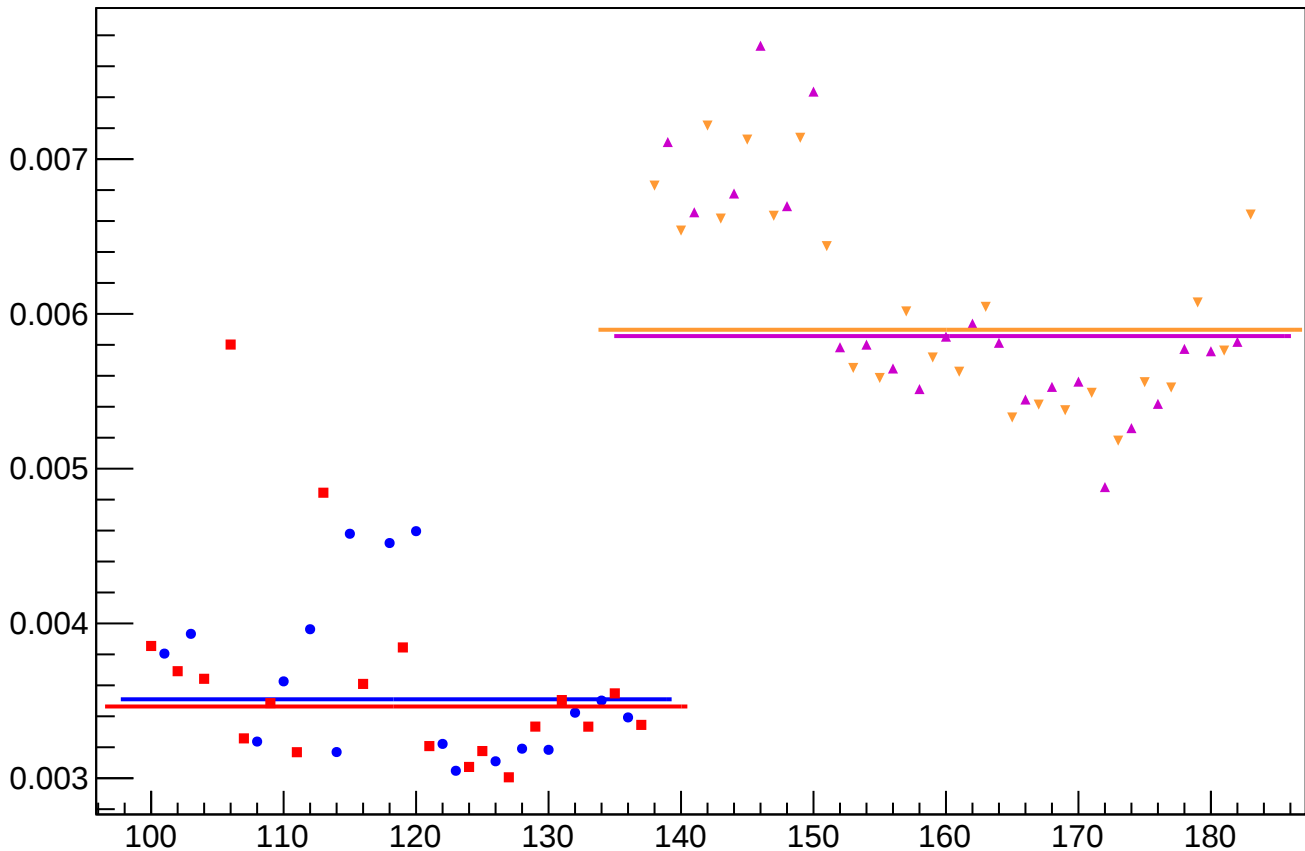
Left In: -0.031 ± 0.000 χ^2/NDF : 113615070465.1/21

+ sign -0.084 ± 0.000 χ^2/NDF : 852681178965.9/40

All: -0.084 ± 0.000 χ^2/NDF : 1729271117966

- sign -0.084 ± 0.000 χ^2/NDF : 876589860218.6/40

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 171943.8/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:302568.3/23

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 215500.5/18

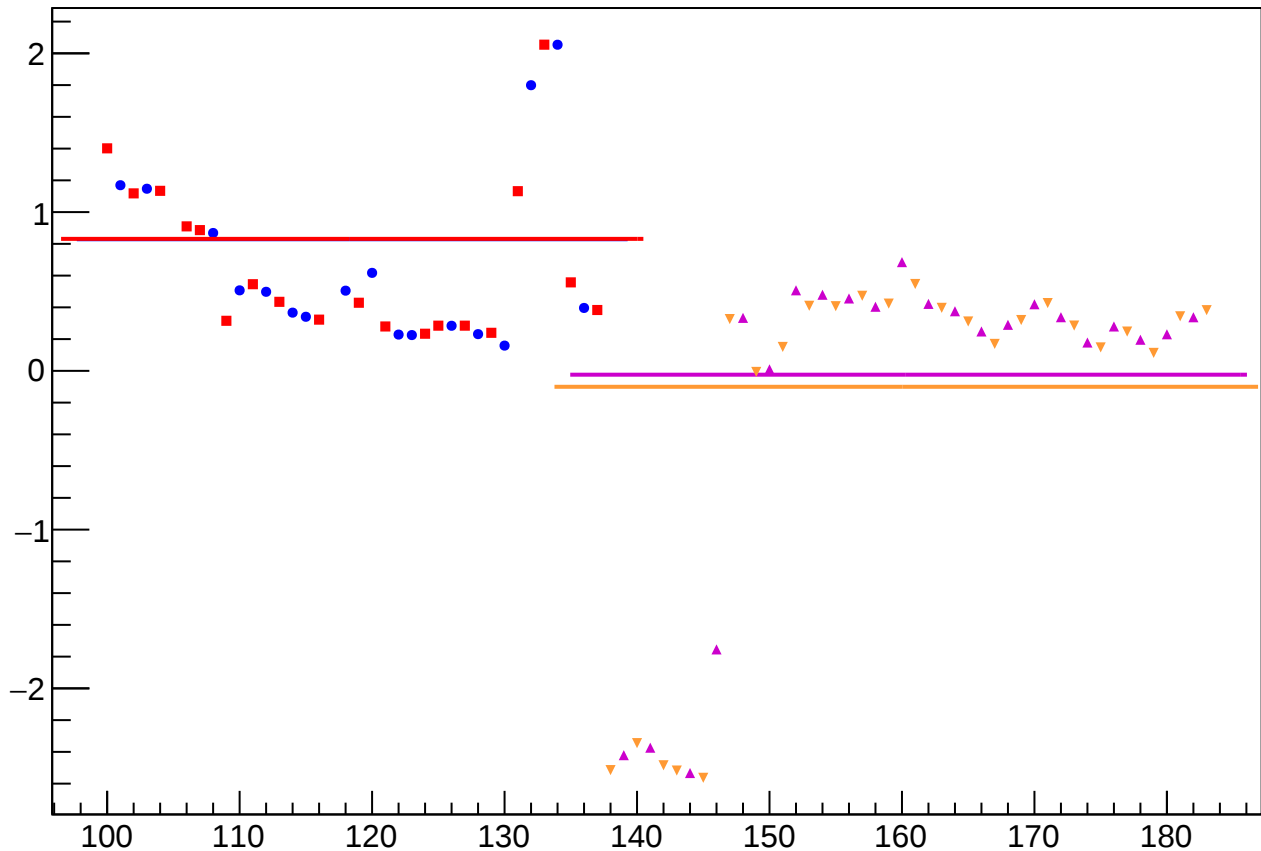
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:363423.5/21

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3289583.6/40

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 6768549.7/81

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3464287.5/40

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31663410264.3/16

Left Out: -0.100+/-0.000 χ^2/NDF : 504404603613.6/23

Right Out: 0.831+/-0.000 χ^2/NDF : 33383369168.0/18

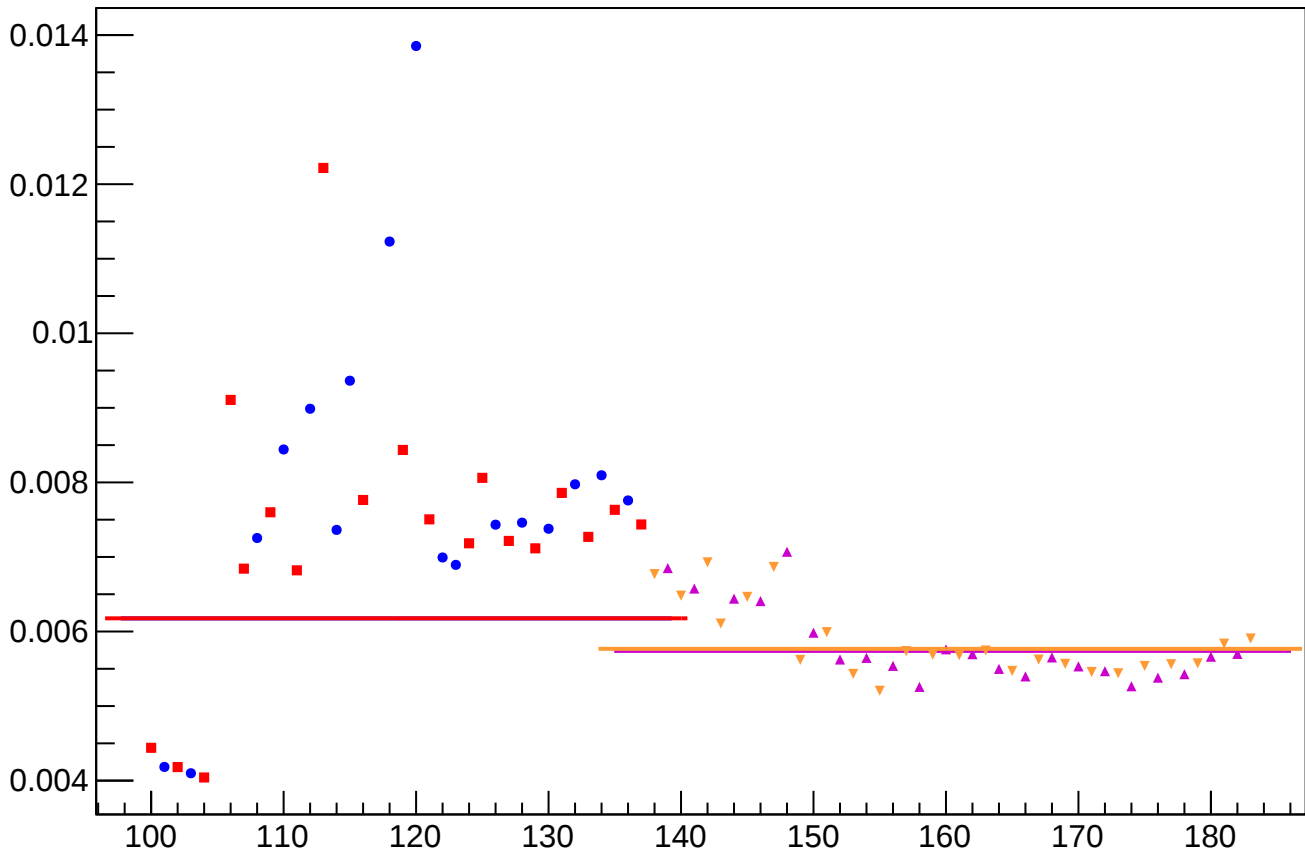
Left In: -0.024+/-0.000 χ^2/NDF : 416281871457.4/21

+ sign 0.099+/-0.000 χ^2/NDF : 630411509890.3/40

All: 0.139+/-0.000 χ^2/NDF : 1166907465070.

- sign 0.179+/-0.000 χ^2/NDF : 534421212176.2/40

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1221890.6/16

Left Out: 0.006+/-0.000 χ^2/NDF : 176231.2/23

Right Out: 0.006+/-0.000 χ^2/NDF : 1020690.2/18

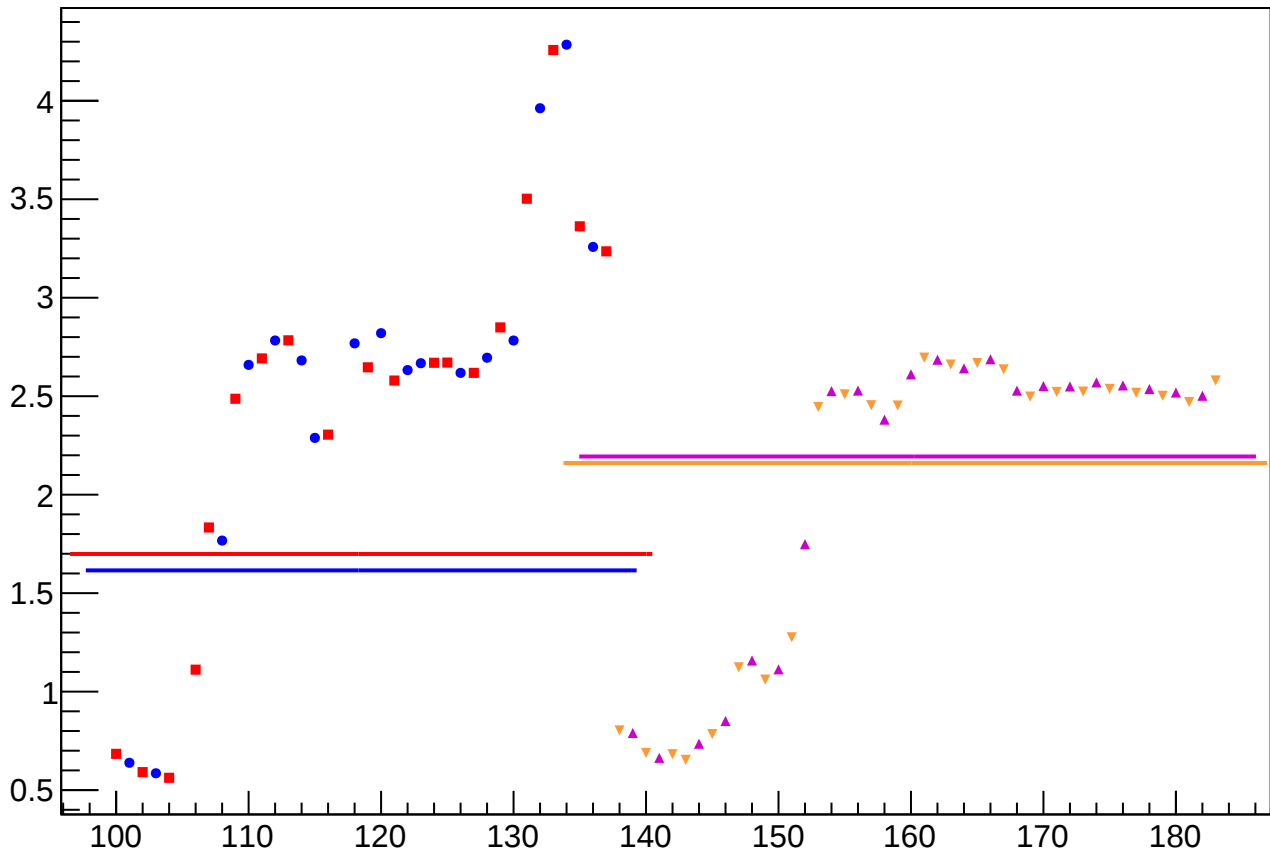
Left In: 0.006+/-0.000 χ^2/NDF : 201414.7/21

+ sign 0.006+/-0.000 χ^2/NDF : 1434426.8/40

All: 0.006+/-0.000 χ^2/NDF : 2700781.4/81

- sign 0.006+/-0.000 χ^2/NDF : 1266275.1/40

yield_bpm0l05Y_mean vs Slug



Right In: 1.616 $\pm$ 0.000 χ^2 /NDF: 202687681737.9/16

Left Out: 2.161 $\pm$ 0.000 χ^2 /NDF: 291702514875.5/23

Right Out: 1.699 $\pm$ 0.000 χ^2 /NDF: 227853059871.9/18

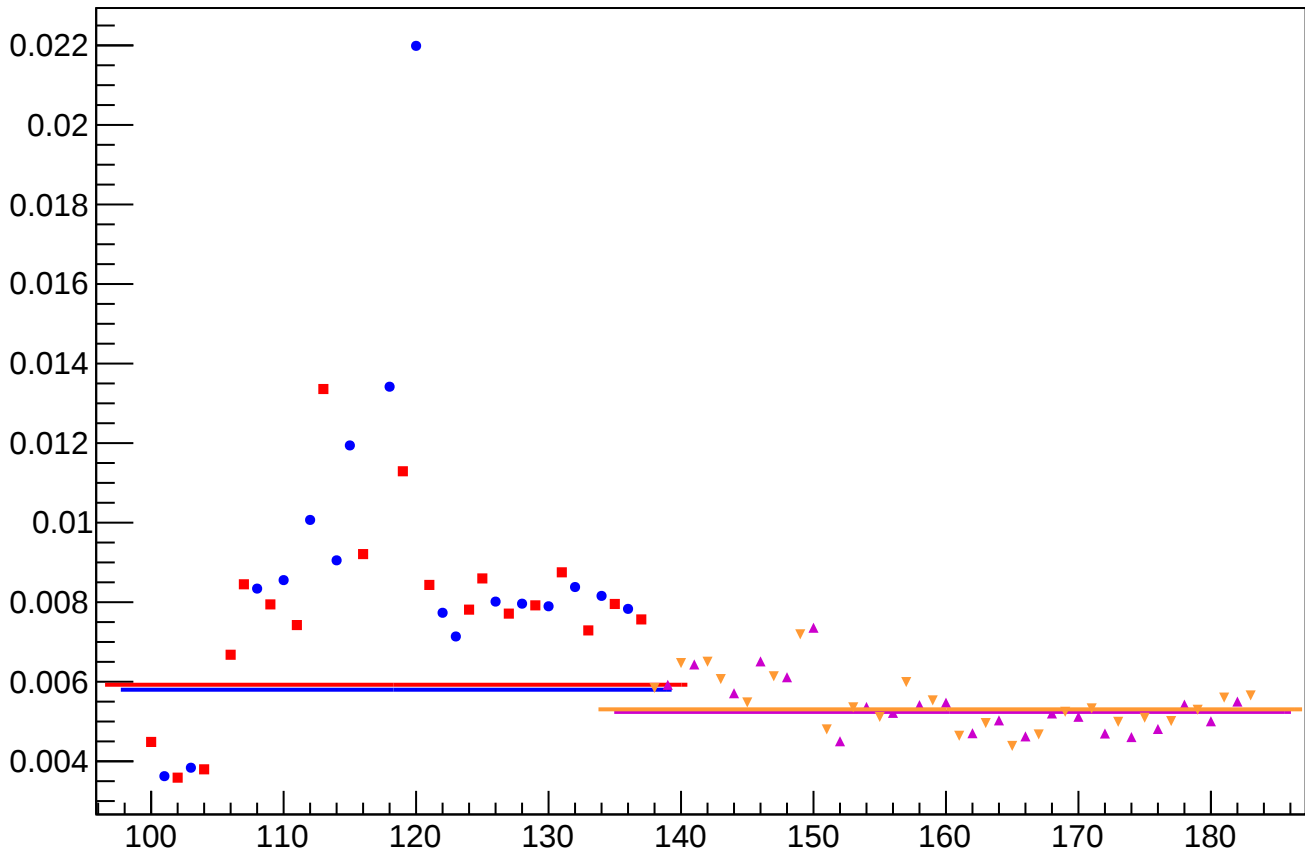
Left In: 2.194 $\pm$ 0.000 χ^2 /NDF: 252025929507.8/21

+ sign 2.053 $\pm$ 0.000 χ^2 /NDF: 528494785721.8/40

All: 2.071 $\pm$ 0.000 χ^2 /NDF: 1038197690760.

- sign 2.089 $\pm$ 0.000 χ^2 /NDF: 509246556731.6/40

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1911401.2/16

Left Out: 0.005+/-0.000 χ^2/NDF : 389994.3/23

Right Out: 0.006+/-0.000 χ^2/NDF : 1677224.2/18

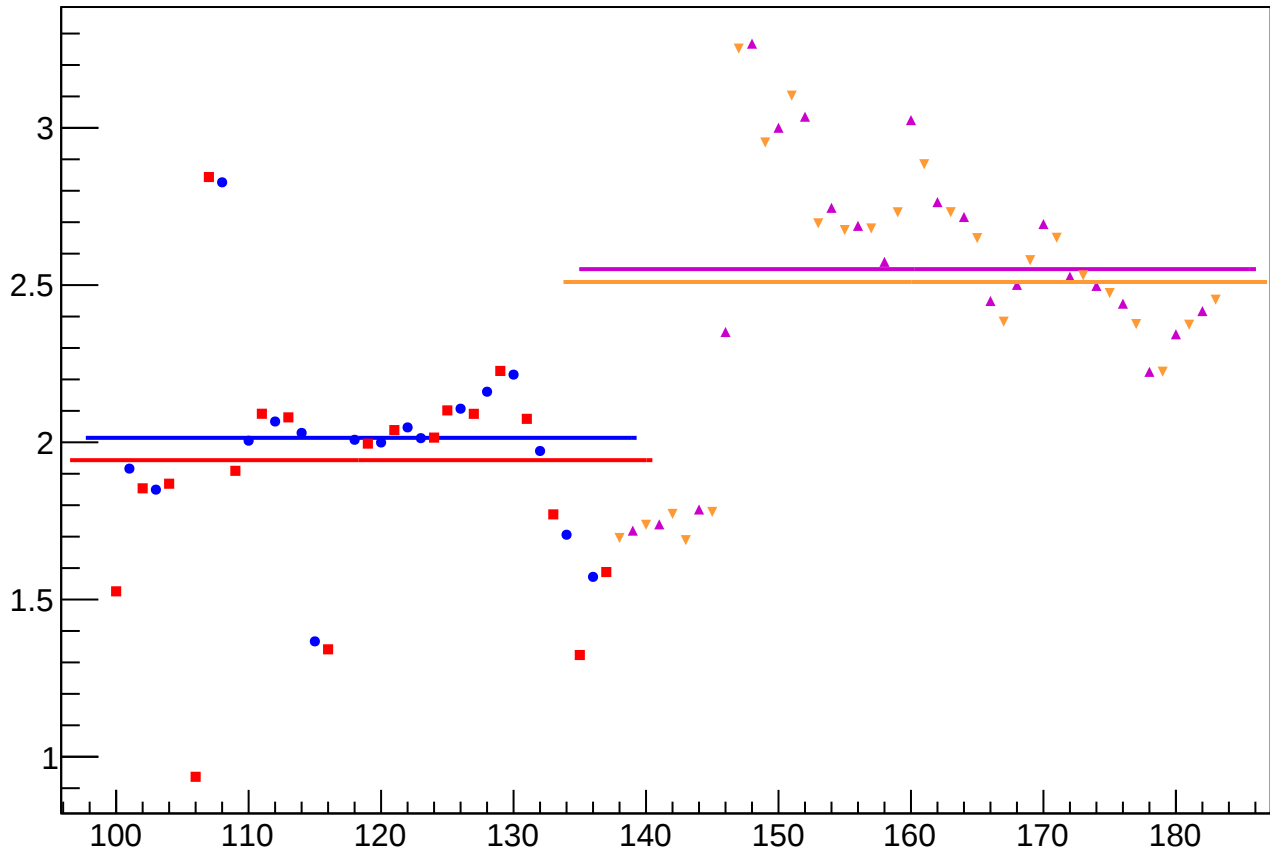
Left In: 0.005+/-0.000 χ^2/NDF : 424668.1/21

+ sign 0.005+/-0.000 χ^2/NDF : 2357246.7/40

All: 0.005+/-0.000 χ^2/NDF : 4571283.5/81

- sign 0.005+/-0.000 χ^2/NDF : 2213832.1/40

yield_bpm0l06X_mean vs Slug



Right In: 2.014 $\pm$ 0.000 χ^2 /NDF: 12207088036.2/16

Left Out: 2.510 $\pm$ 0.000 χ^2 /NDF: 52244899201.4/23

Right Out: 1.943 $\pm$ 0.000 χ^2 /NDF: 21416554404.5/18

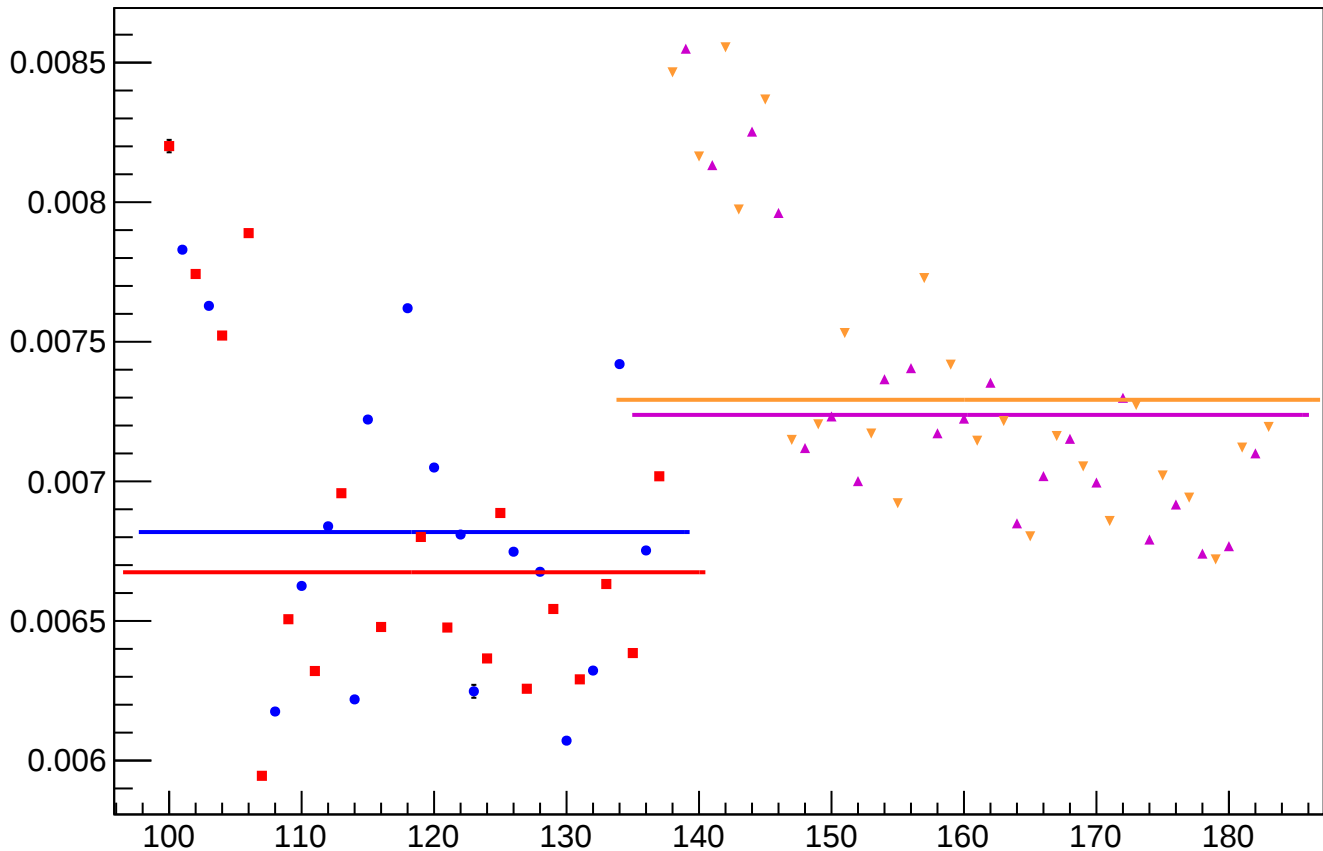
Left In: 2.551 $\pm$ 0.000 χ^2 /NDF: 45176571054.0/21

+ sign 2.363 $\pm$ 0.000 χ^2 /NDF: 88023468691.6/40

All: 2.357 $\pm$ 0.000 χ^2 /NDF: 192330681984.5

- sign 2.352 $\pm$ 0.000 χ^2 /NDF: 104277695154.4/40

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 76886.5/16

Left Out: 0.007+/-0.000 χ^2/NDF :140773.4/23

Right Out: 0.007+/-0.000 χ^2/NDF : 76755.5/18

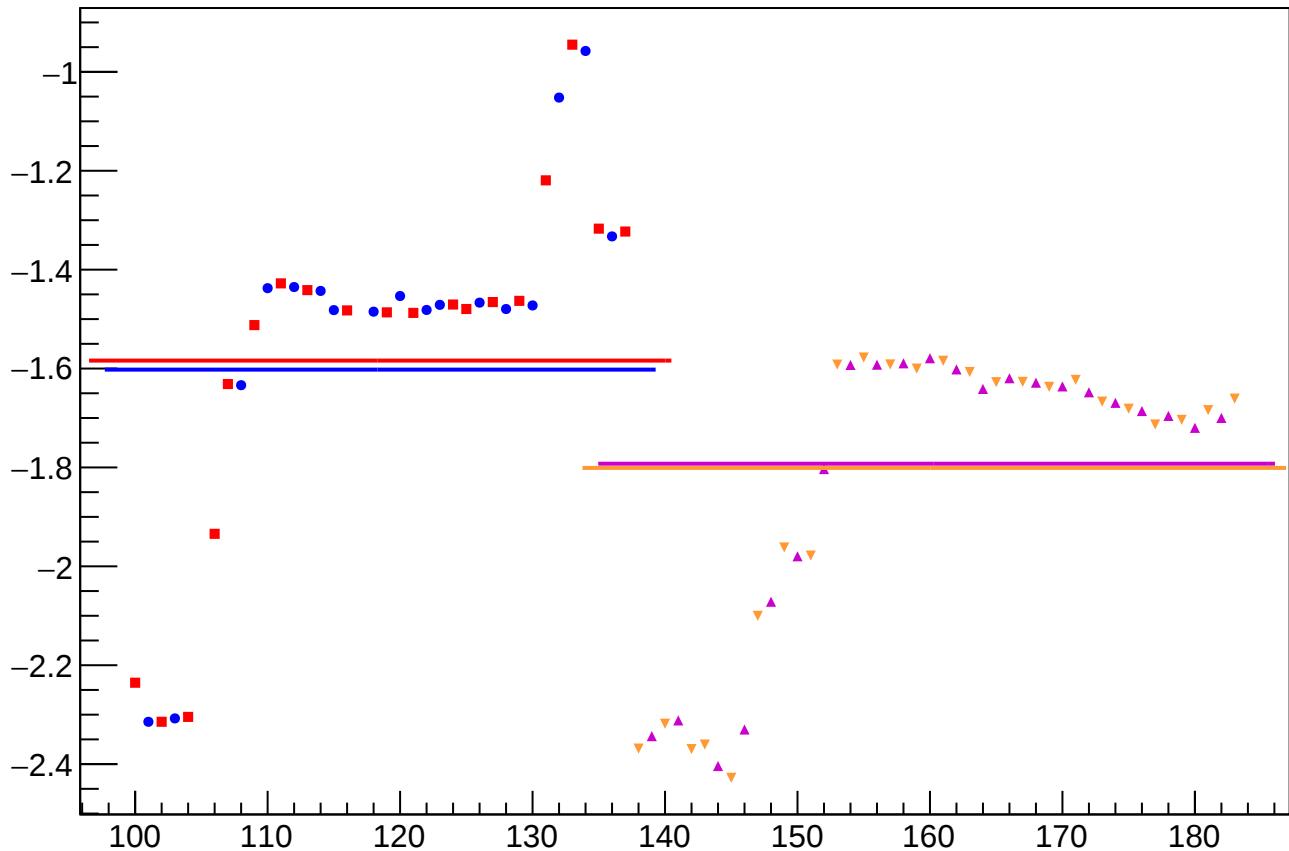
Left In: 0.007+/-0.000 χ^2/NDF :125233.2/21

+ sign 0.007+/-0.000 χ^2/NDF : 260722.1/40

All: 0.007+/-0.000 χ^2/NDF : 532055.0/81

- sign 0.007+/-0.000 χ^2/NDF : 266864.3/40

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140170767010.0/16

Left Out: -1.801+/-0.000 χ^2/NDF : 184642853695.4/23

Right Out: -1.584+/-0.000 χ^2/NDF : 143827090276.5/18

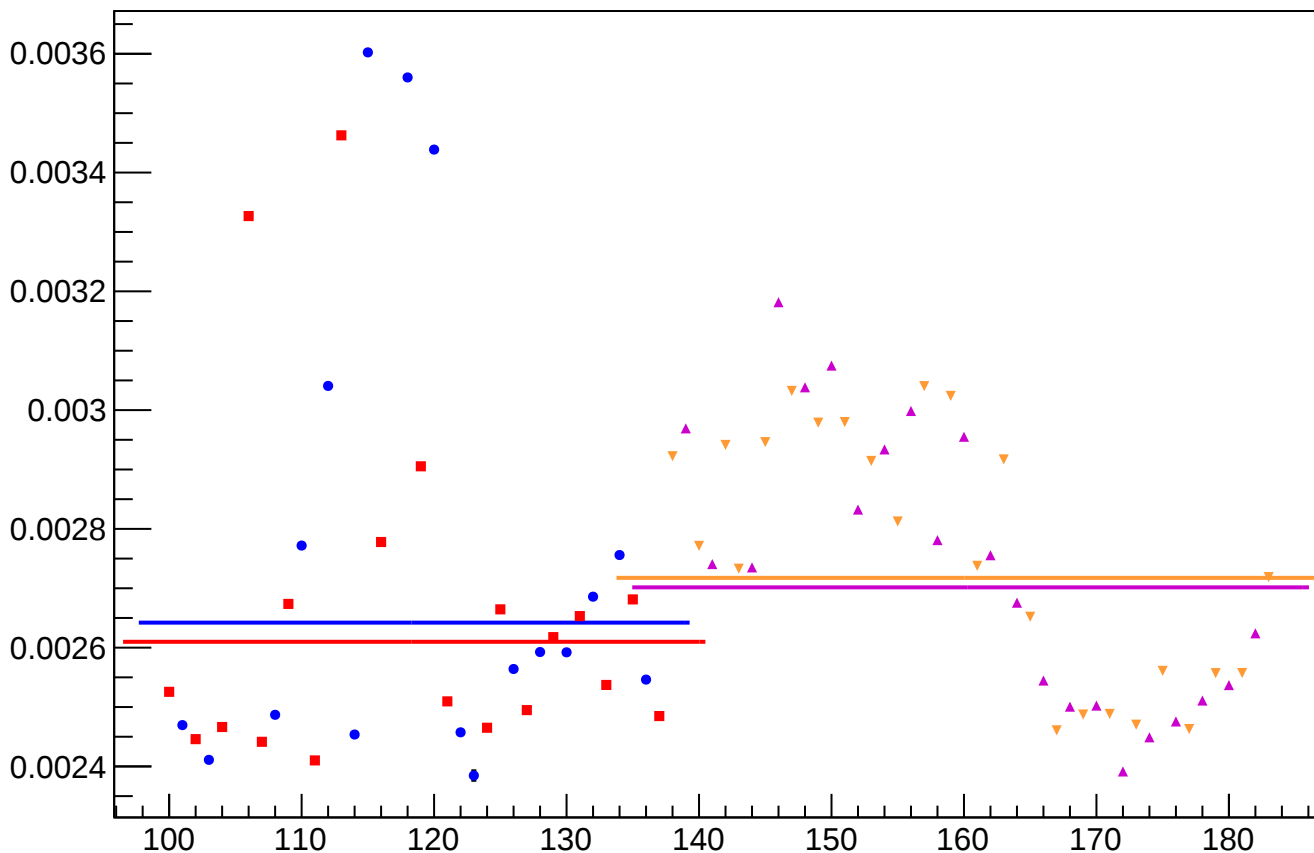
Left In: -1.792+/-0.000 χ^2/NDF : 158979786905.1/21

+ sign -1.746+/-0.000 χ^2/NDF : 350412125371.5/40

All: -1.737+/-0.000 χ^2/NDF : 683239593836.8

- sign -1.729+/-0.000 χ^2/NDF : 332370019100.0/40

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 151919.2/16

Left Out: 0.003+/-0.000 χ^2/NDF :199519.8/23

Right Out: 0.003+/-0.000 χ^2/NDF : 104781.3/18

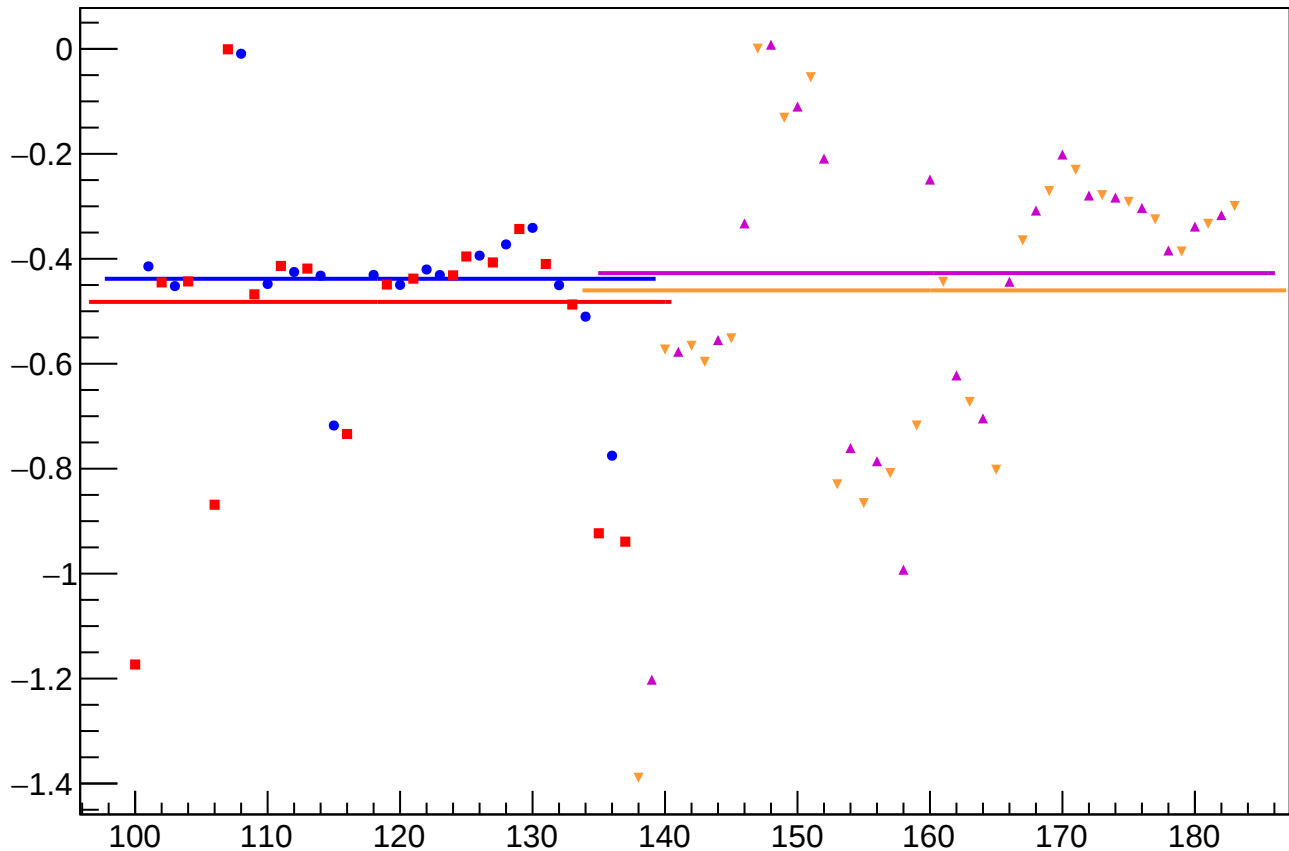
Left In: 0.003+/-0.000 χ^2/NDF :220226.8/21

+ sign 0.003+/-0.000 χ^2/NDF : 358801.4/40

All: 0.003+/-0.000 χ^2/NDF : 696934.6/81

- sign 0.003+/-0.000 χ^2/NDF : 336433.4/40

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1461198978.4/16

Left Out: -0.460+/-0.000 χ^2/NDF : 9892473844.3/23

Right Out: -0.482+/-0.000 χ^2/NDF : 2693383941.7/18

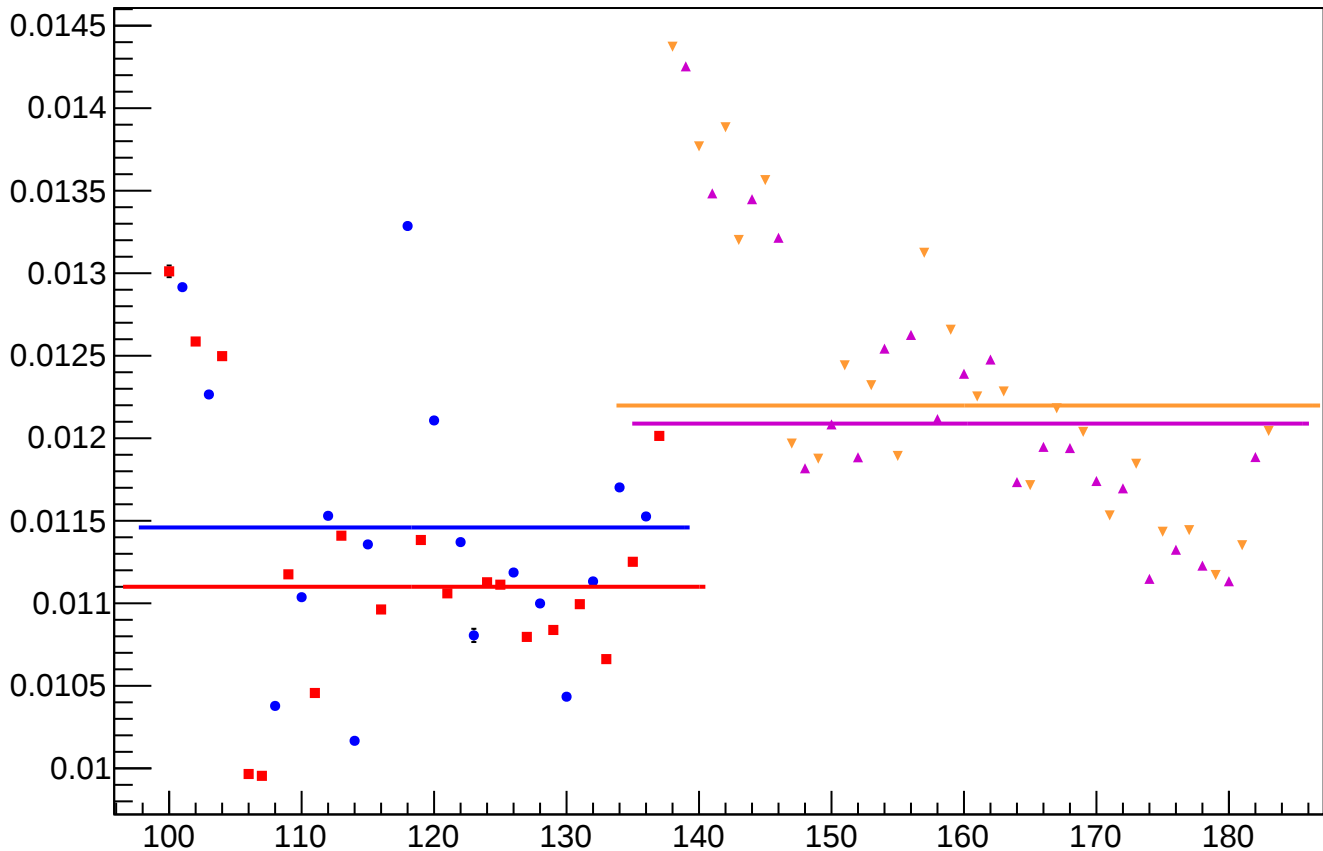
Left In: -0.427+/-0.000 χ^2/NDF : 8410769083.5/21

+ sign -0.454+/-0.000 χ^2/NDF : 11370536404.6/40

All: -0.450+/-0.000 χ^2/NDF : 22592450921.4/40

- sign -0.446+/-0.000 χ^2/NDF : 11216548138.9/40

yield_bpm0l07X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 64588.0/16

Left Out: 0.012+/-0.000 χ^2/NDF :141828.3/23

Right Out: 0.011+/-0.000 χ^2/NDF : 56096.3/18

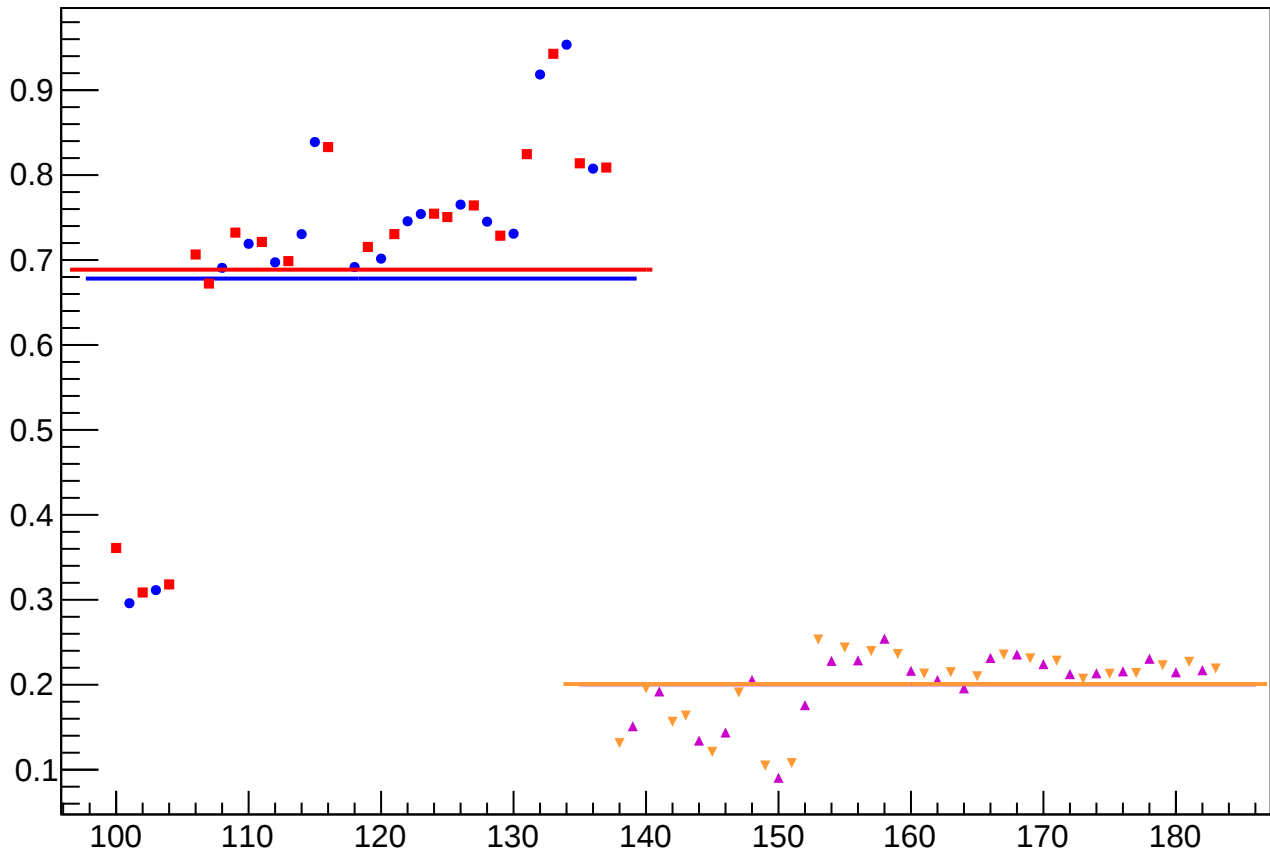
Left In: 0.012+/-0.000 χ^2/NDF :126698.8/21

+ sign 0.012+/-0.000 χ^2/NDF : 244132.3/40

All: 0.012+/-0.000 χ^2/NDF : 508097.7/81

- sign 0.012+/-0.000 χ^2/NDF : 255832.4/40

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38485337866.0/16

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7031099370.5/23

Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35296354242.4/18

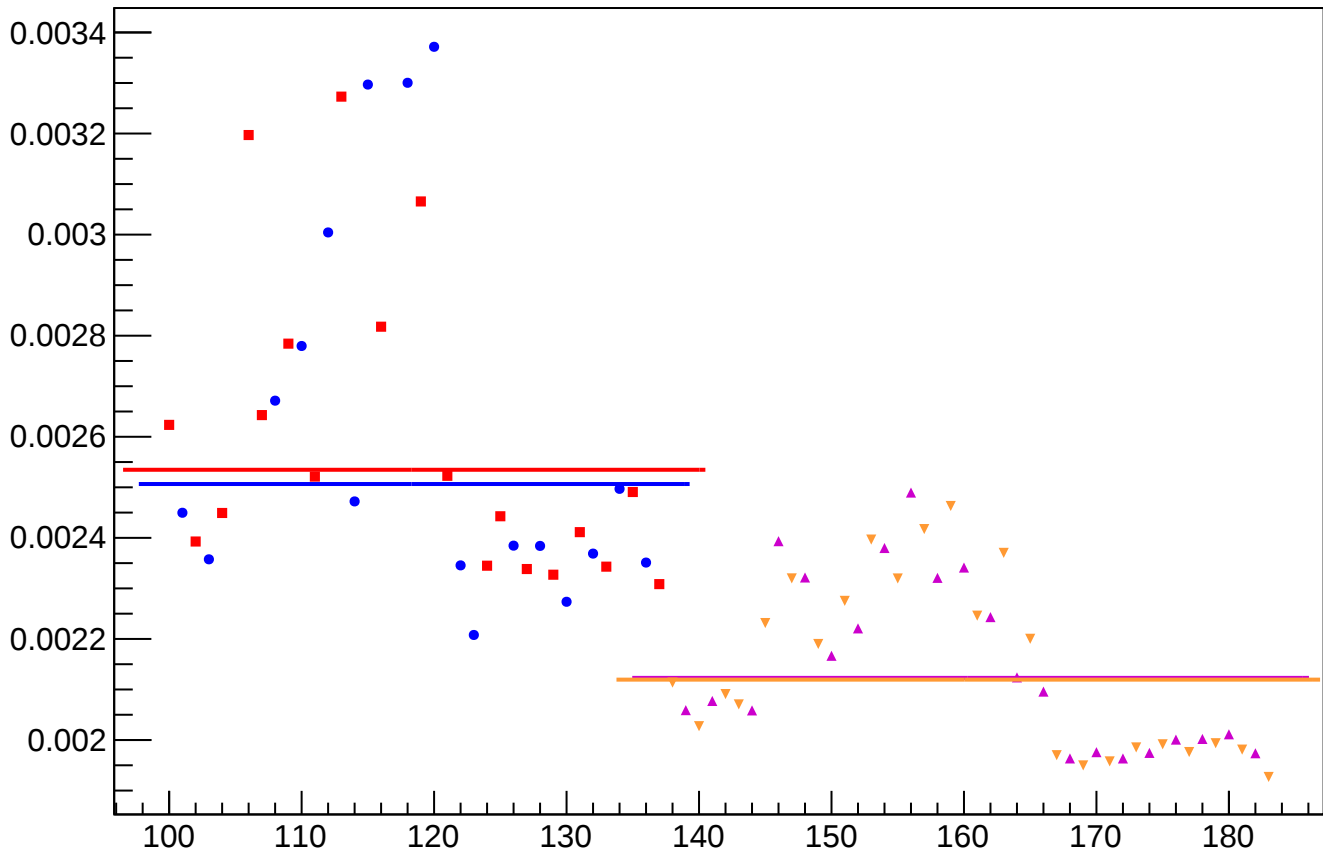
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5618395862.4/21

+ sign 0.297 $\pm$ 0.000 χ^2 /NDF: 229110139281.3/40

All: 0.302 $\pm$ 0.000 χ^2 /NDF: 464012310201.8

- sign 0.307 $\pm$ 0.000 χ^2 /NDF: 234688859942.2/40

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 174398.1/16

Left Out: 0.002+/-0.000 χ^2/NDF :219840.4/23

Right Out: 0.003+/-0.000 χ^2/NDF : 131675.7/18

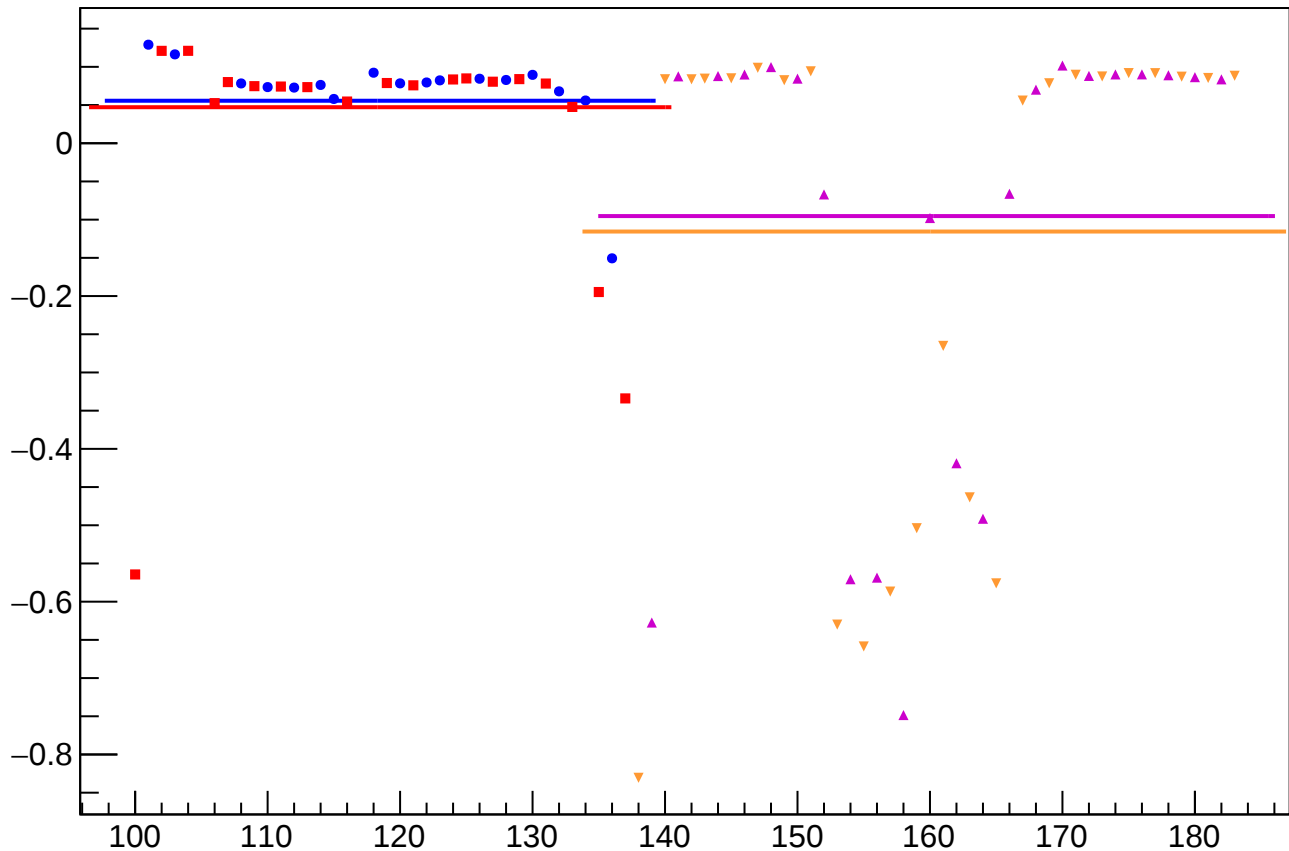
Left In: 0.002+/-0.000 χ^2/NDF :185359.9/21

+ sign 0.002+/-0.000 χ^2/NDF : 635630.3/40

All: 0.002+/-0.000 χ^2/NDF : 1229465.5/81

- sign 0.002+/-0.000 χ^2/NDF : 592770.3/40

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 422754930.4/16

Left Out: -0.116+/-0.000 χ^2/NDF : 13586539718.6/23

Right Out: 0.047+/-0.000 χ^2/NDF : 819330612.8/18

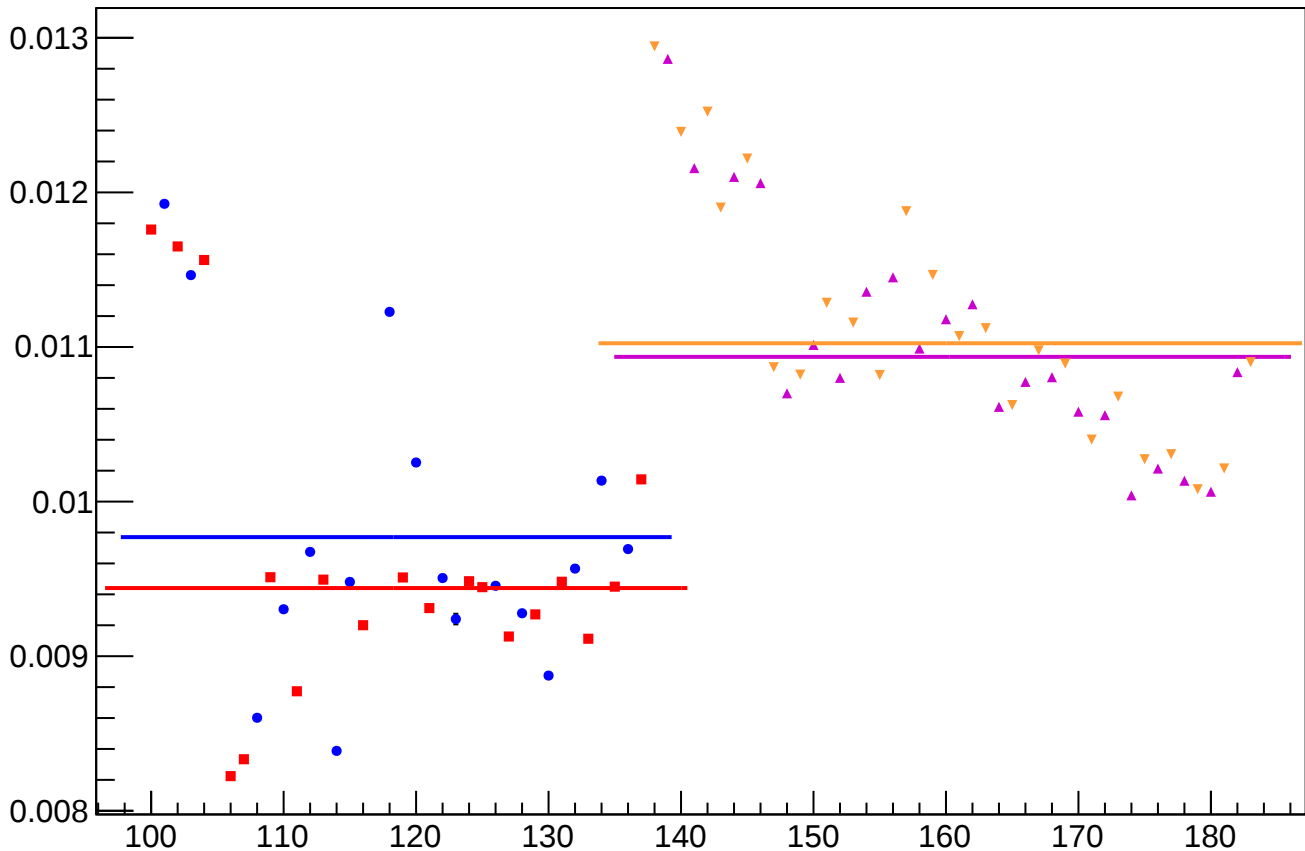
Left In: -0.095+/-0.000 χ^2/NDF : 10986955187.2/21

+ sign -0.061+/-0.000 χ^2/NDF : 15348152455.5/40

All: -0.052+/-0.000 χ^2/NDF : 28185895256.2/40

- sign -0.044+/-0.000 χ^2/NDF : 12807503114.6/40

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 116013.9/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:141499.7/23

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 110651.6/18

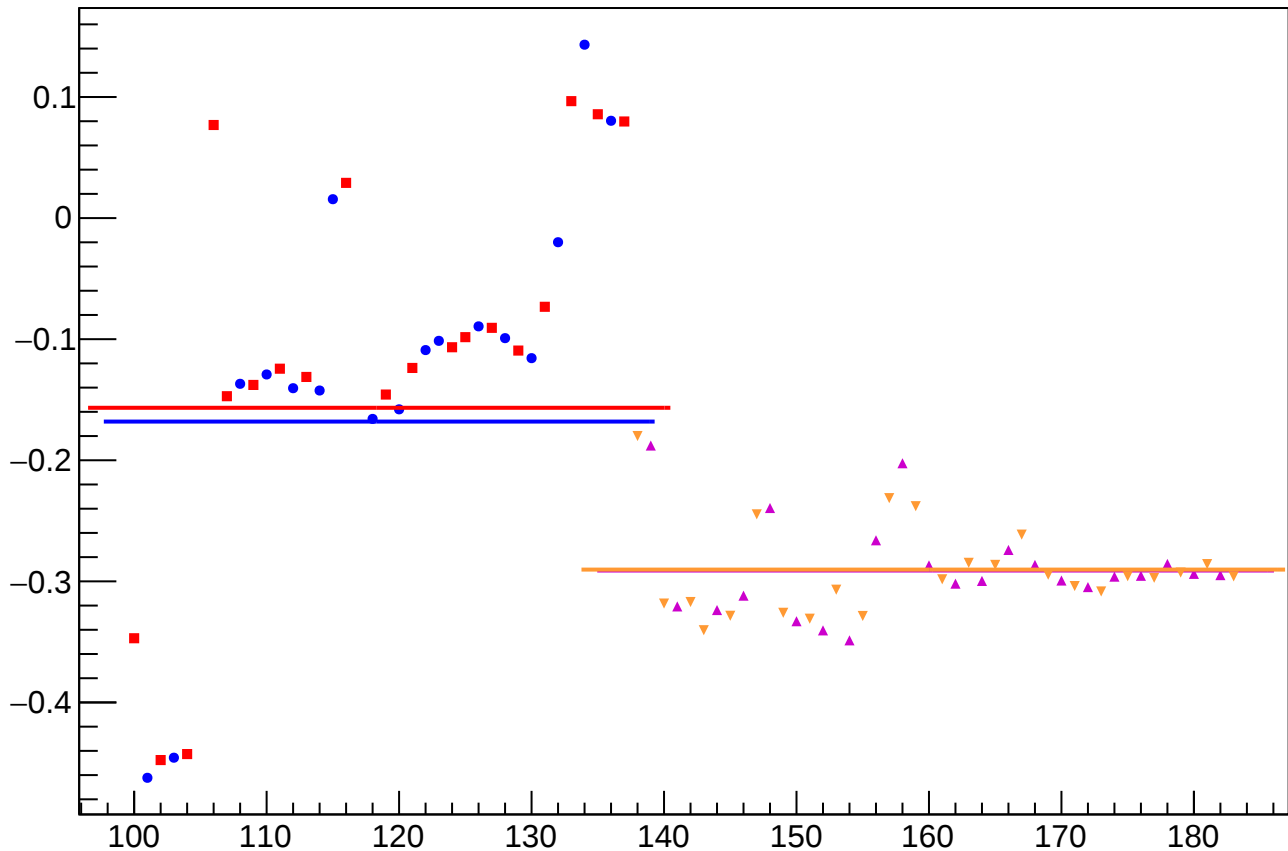
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:128571.3/21

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 401202.1/40

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 871911.5/81

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 459838.9/40

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2 /NDF: 12330177160.8/16

Left Out: -0.290+/-0.000 χ^2 /NDF: 2877373878.8/23

Right Out: -0.157+/-0.000 χ^2 /NDF: 11031837915.5/18

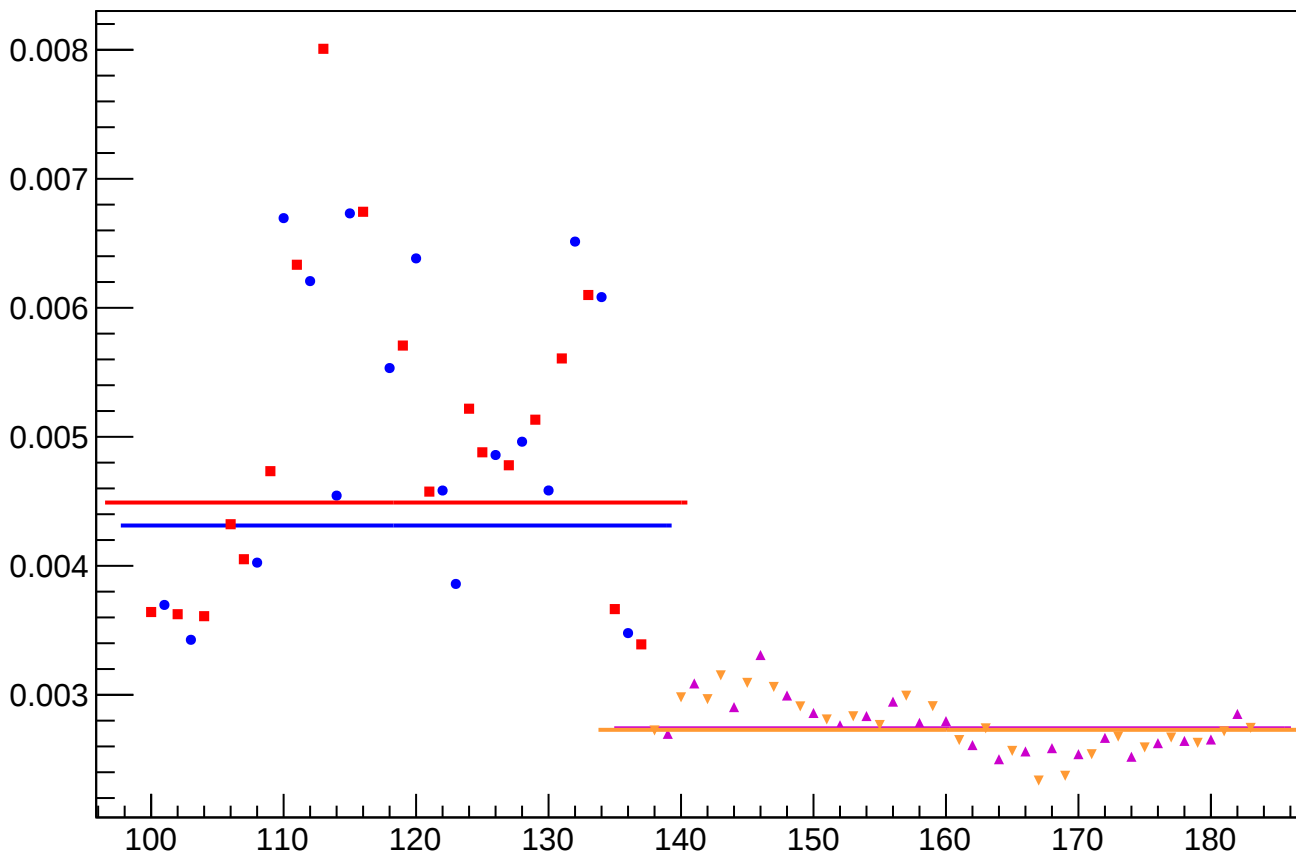
Left In: -0.291+/-0.000 χ^2 /NDF: 3125212138.5/21

+ sign -0.276+/-0.000 χ^2 /NDF: 19307739219.3/40

All: -0.275+/-0.000 χ^2 /NDF: 38337934875.7/40

- sign -0.274+/-0.000 χ^2 /NDF: 19027312066.2/40

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 618348.9/16

Left Out: 0.003+/-0.000 χ^2/NDF :206512.3/23

Right Out: 0.004+/-0.000 χ^2/NDF : 639258.5/18

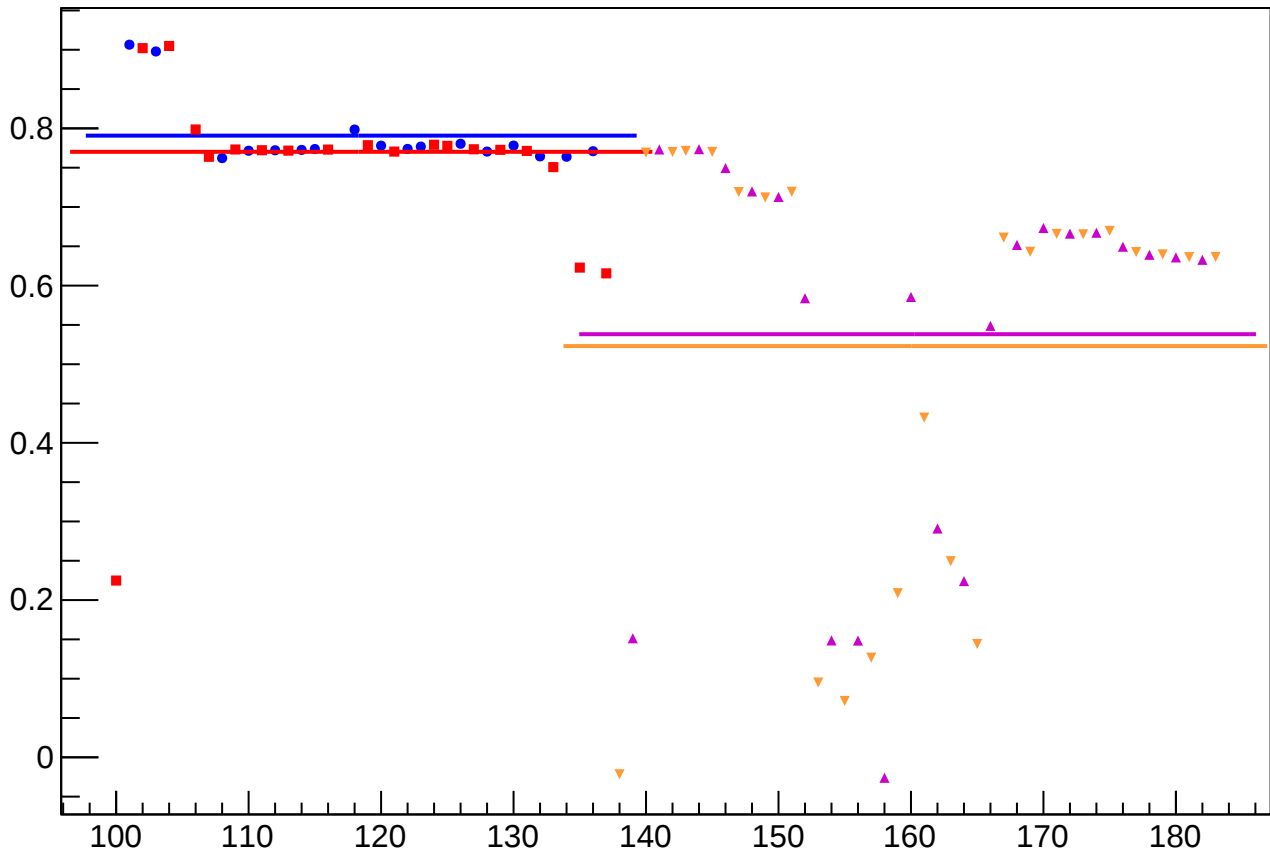
Left In: 0.003+/-0.000 χ^2/NDF :146866.1/21

+ sign 0.003+/-0.000 χ^2/NDF : 2201299.6/40

All: 0.003+/-0.000 χ^2/NDF : 4643093.2/81

- sign 0.003+/-0.000 χ^2/NDF : 2437173.2/40

yield_bpm0l09X_mean vs Slug



Right In: 0.791+/-0.000 χ^2/NDF : 106680493.2/16

Left Out: 0.523+/-0.000 χ^2/NDF : 9596045568.6/23

Right Out: 0.770+/-0.000 χ^2/NDF : 375430167.7/18

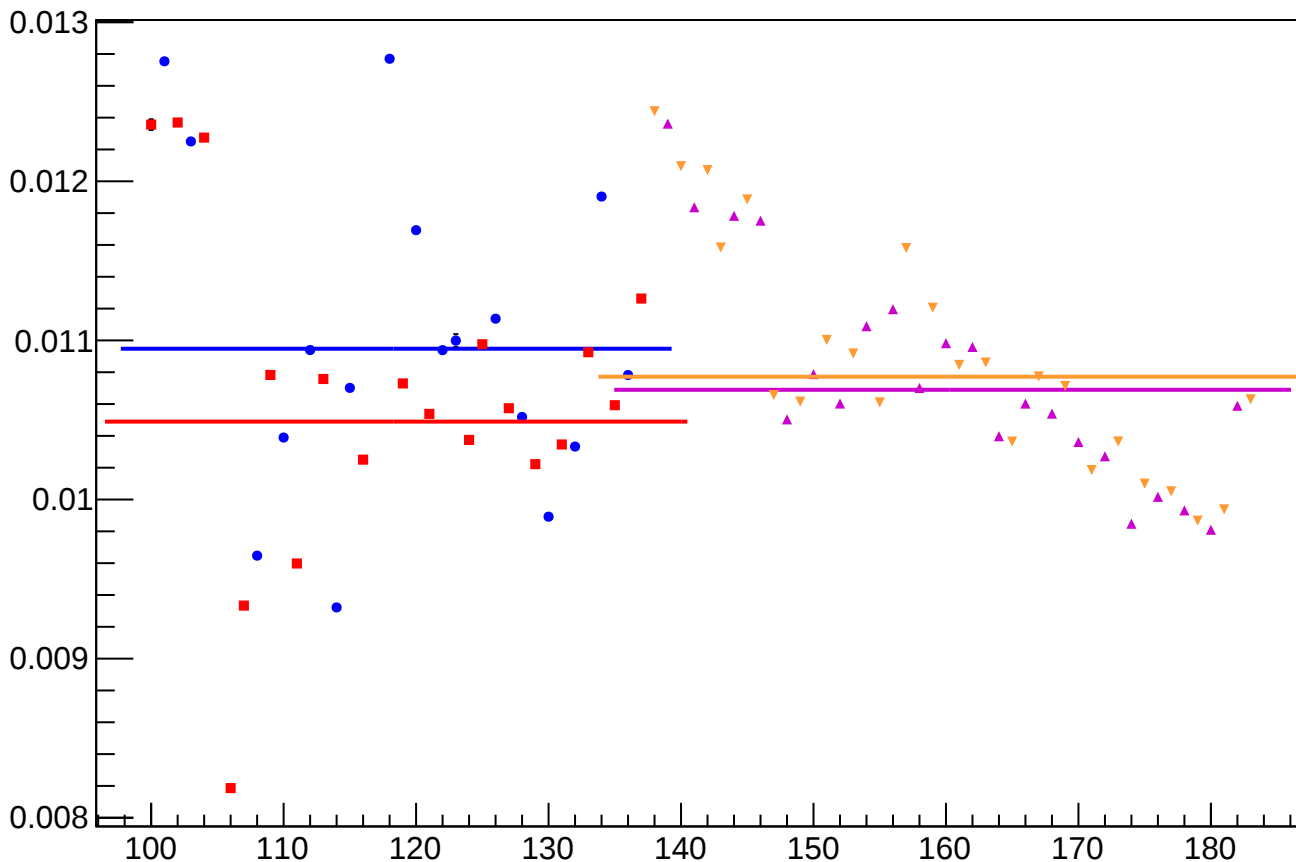
Left In: 0.538+/-0.000 χ^2/NDF : 7840689878.3/21

+ sign 0.593+/-0.000 χ^2/NDF : 12533473017.8/40

All: 0.601+/-0.000 χ^2/NDF : 23117782194.4/8

- sign 0.608+/-0.000 χ^2/NDF : 10560929236.6/40

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 98019.2/16

Left Out: 0.011+/-0.000 χ^2/NDF : 131614.5/23

Right Out: 0.010+/-0.000 χ^2/NDF : 119502.0/18

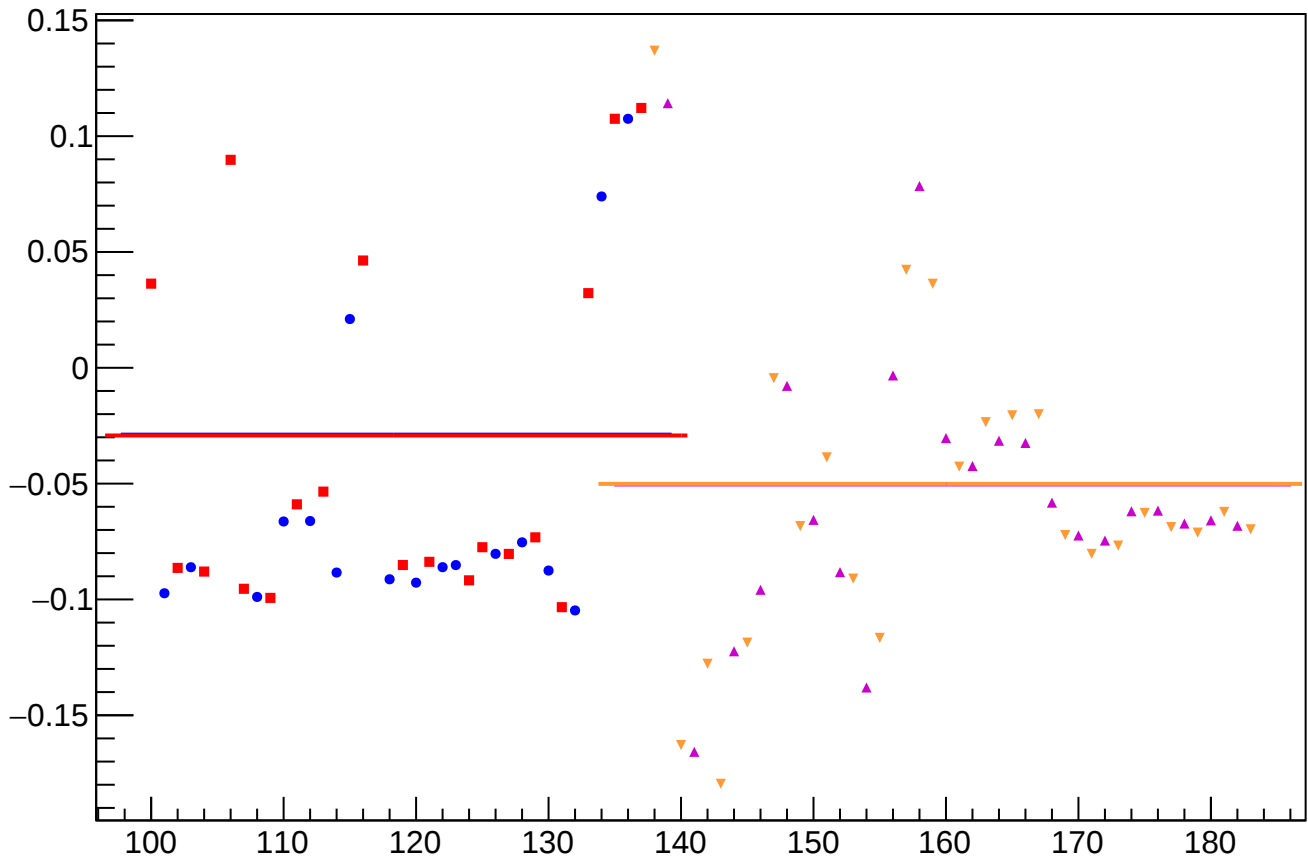
Left In: 0.011+/-0.000 χ^2/NDF : 119010.0/21

+ sign 0.011+/-0.000 χ^2/NDF : 232078.0/40

All: 0.011+/-0.000 χ^2/NDF : 481399.3/81

- sign 0.011+/-0.000 χ^2/NDF : 241996.8/40

yield_bpm0l09Y_mean vs Slug



Right In: -0.029 ± 0.000 $\chi^2/\text{NDF}: 2444911330.9/16$

Left Out: -0.050 ± 0.000 $\chi^2/\text{NDF}: 7264410686.3/23$

Right Out: -0.029 ± 0.000 $\chi^2/\text{NDF}: 2120368017.0/18$

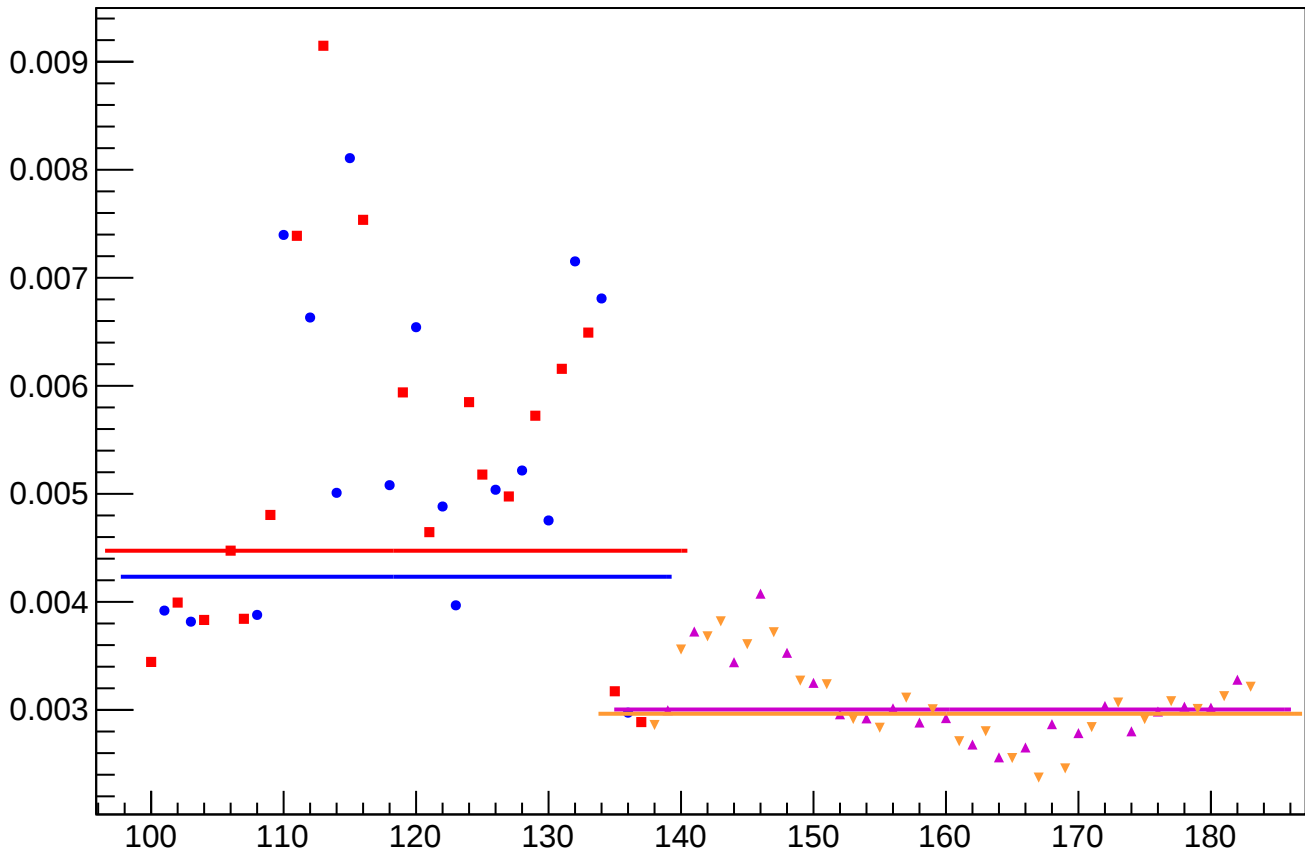
Left In: -0.050 ± 0.000 $\chi^2/\text{NDF}: 6122483703.4/21$

+ sign -0.047 ± 0.000 $\chi^2/\text{NDF}: 9827794404.9/40$

All: -0.047 ± 0.000 $\chi^2/\text{NDF}: 18182587400.3/40$

- sign -0.047 ± 0.000 $\chi^2/\text{NDF}: 8354764548.4/40$

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 877339.5/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 496838.4/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 969342.1/18

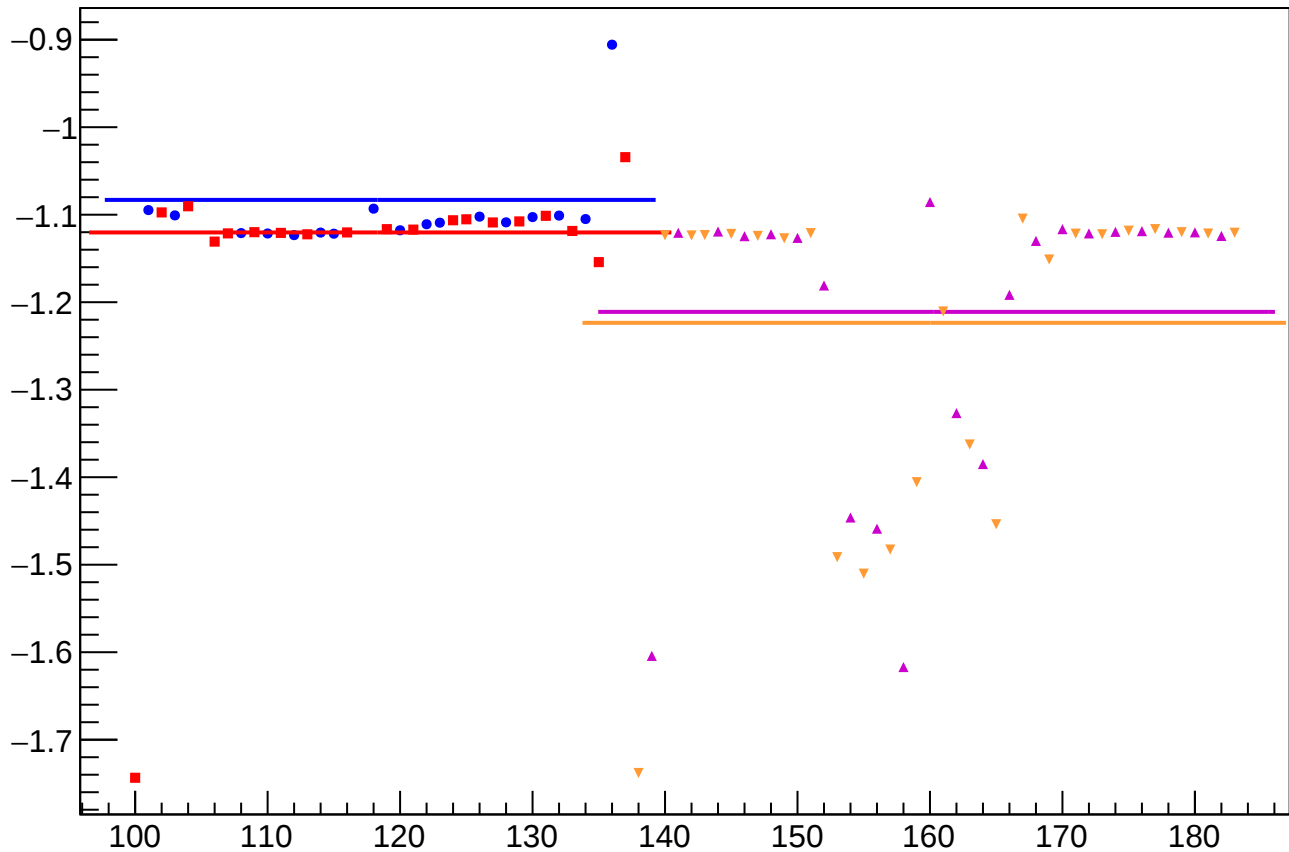
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 325959.6/21

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2218754.8/40

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4606445.3/81

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2375795.2/40

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2 /NDF: 202851874.4/16

Left Out: -1.224+/-0.000 χ^2 /NDF: 5251522859.8/23

Right Out: -1.120+/-0.000 χ^2 /NDF: 220508408.4/18

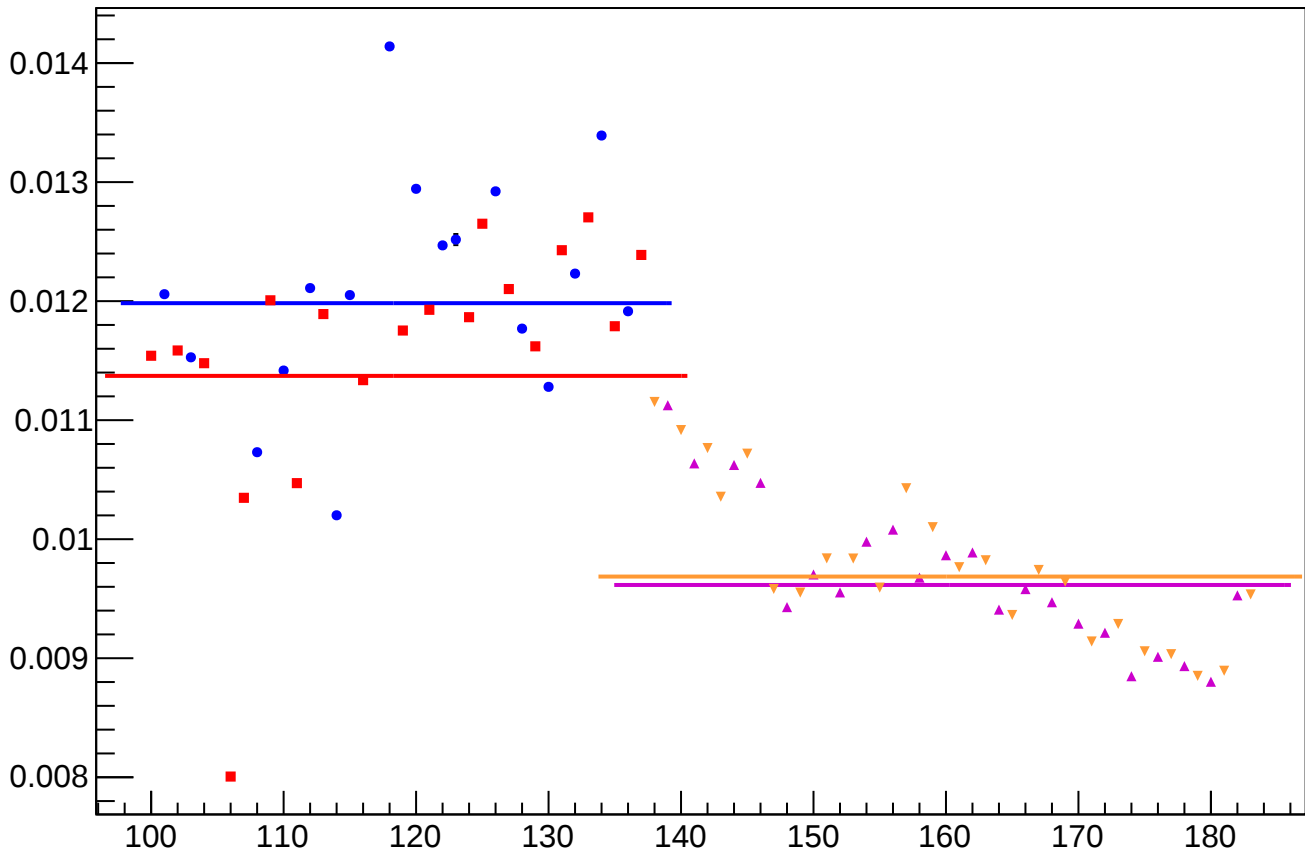
Left In: -1.211+/-0.000 χ^2 /NDF: 4480678175.6/21

+ sign -1.196+/-0.000 χ^2 /NDF: 6165897048.0/40

All: -1.193+/-0.000 χ^2 /NDF: 11206951435.4/40

- sign -1.190+/-0.000 χ^2 /NDF: 5036732818.5/40

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 58835.2/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:134807.9/23

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 152861.8/18

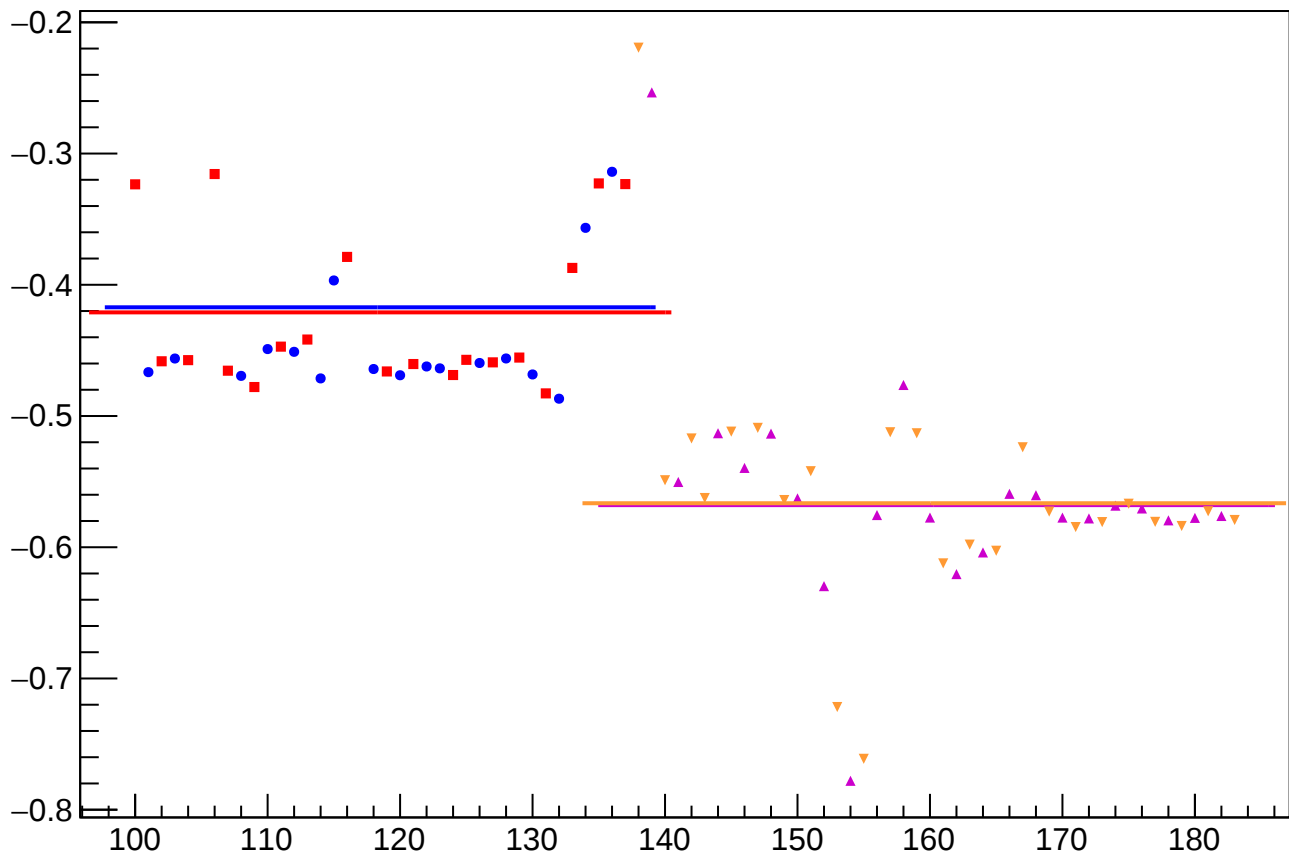
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119761.1/21

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 574043.9/40

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 1100970.6/81

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 523969.3/40

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2 /NDF: 2038520950.9/16

Left Out: -0.566+/-0.000 χ^2 /NDF:13366529207.3/23

Right Out: -0.421+/-0.000 χ^2 /NDF: 1654624022.3/18

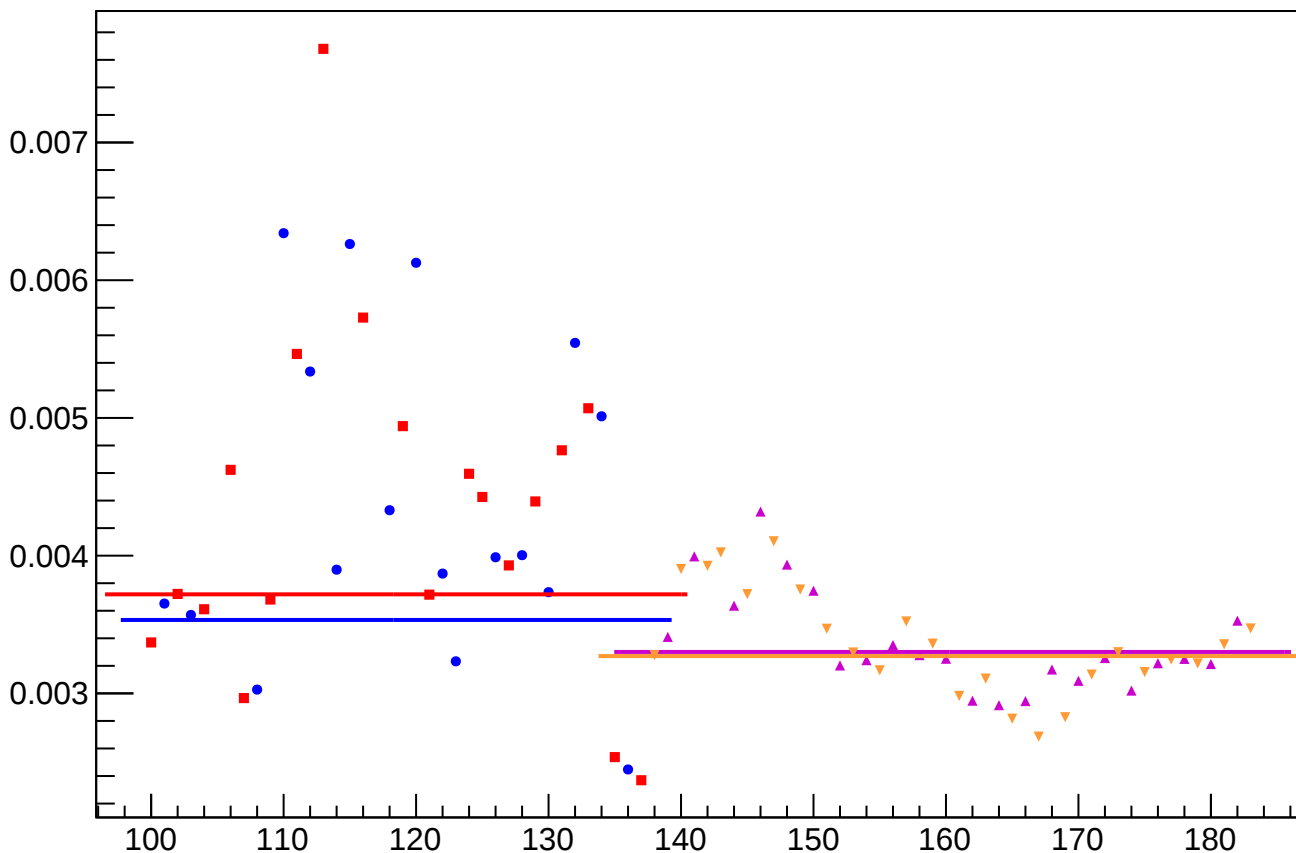
Left In: -0.568+/-0.000 χ^2 /NDF:10457708668.9/21

+ sign -0.534+/-0.000 χ^2 /NDF: 22998041361.4/40

All: -0.535+/-0.000 χ^2 /NDF: 42182622518.5/40

- sign -0.535+/-0.000 χ^2 /NDF: 19184240491.2/40

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 831496.7/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:393017.6/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 884778.0/18

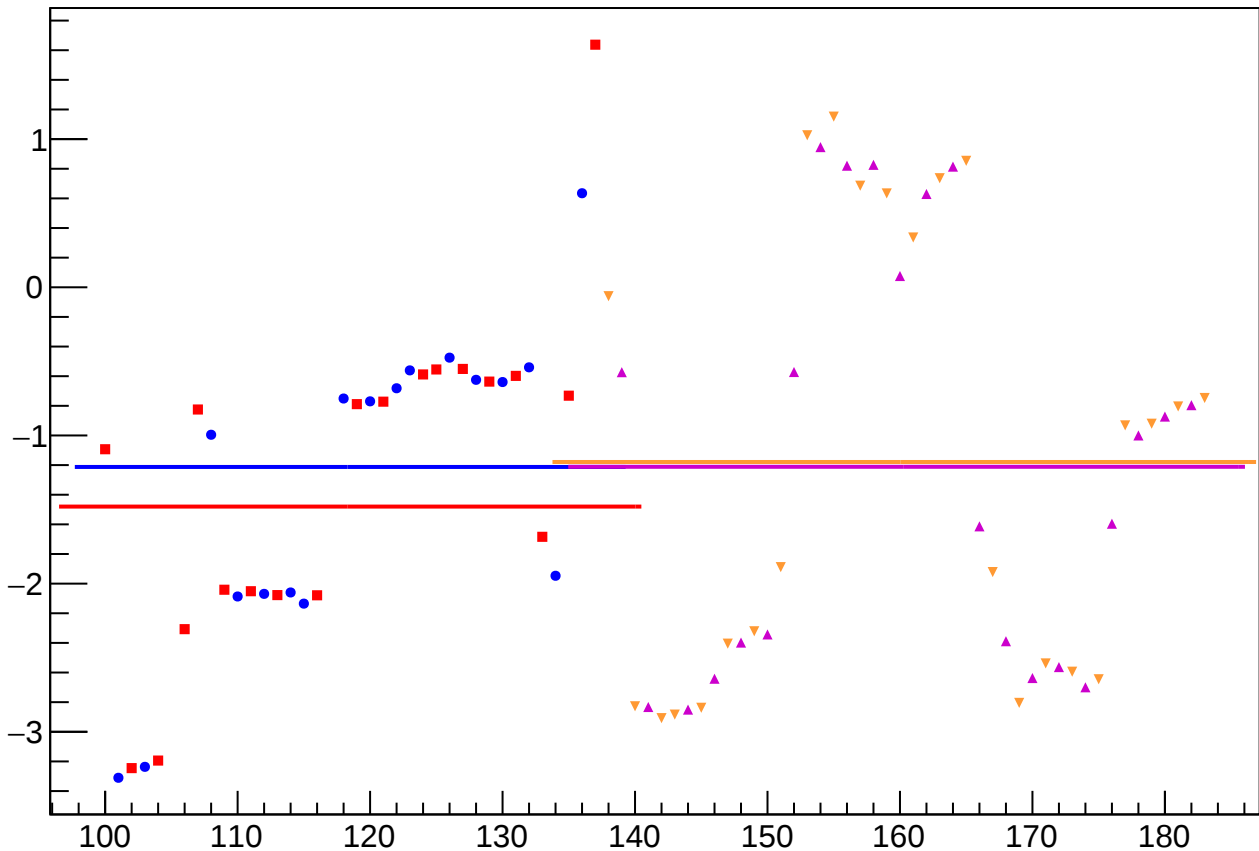
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:284223.3/21

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1271416.1/40

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2563986.2/81

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1283682.1/40

yield_bpm0r03X_mean vs Slug



Right In: -1.213+/-0.000 χ^2/NDF : 1991015908.7/16

Left Out: -1.179+/-0.000 χ^2/NDF : 6874515394.4/23

Right Out: -1.480+/-0.000 χ^2/NDF : 1576057924.8/18

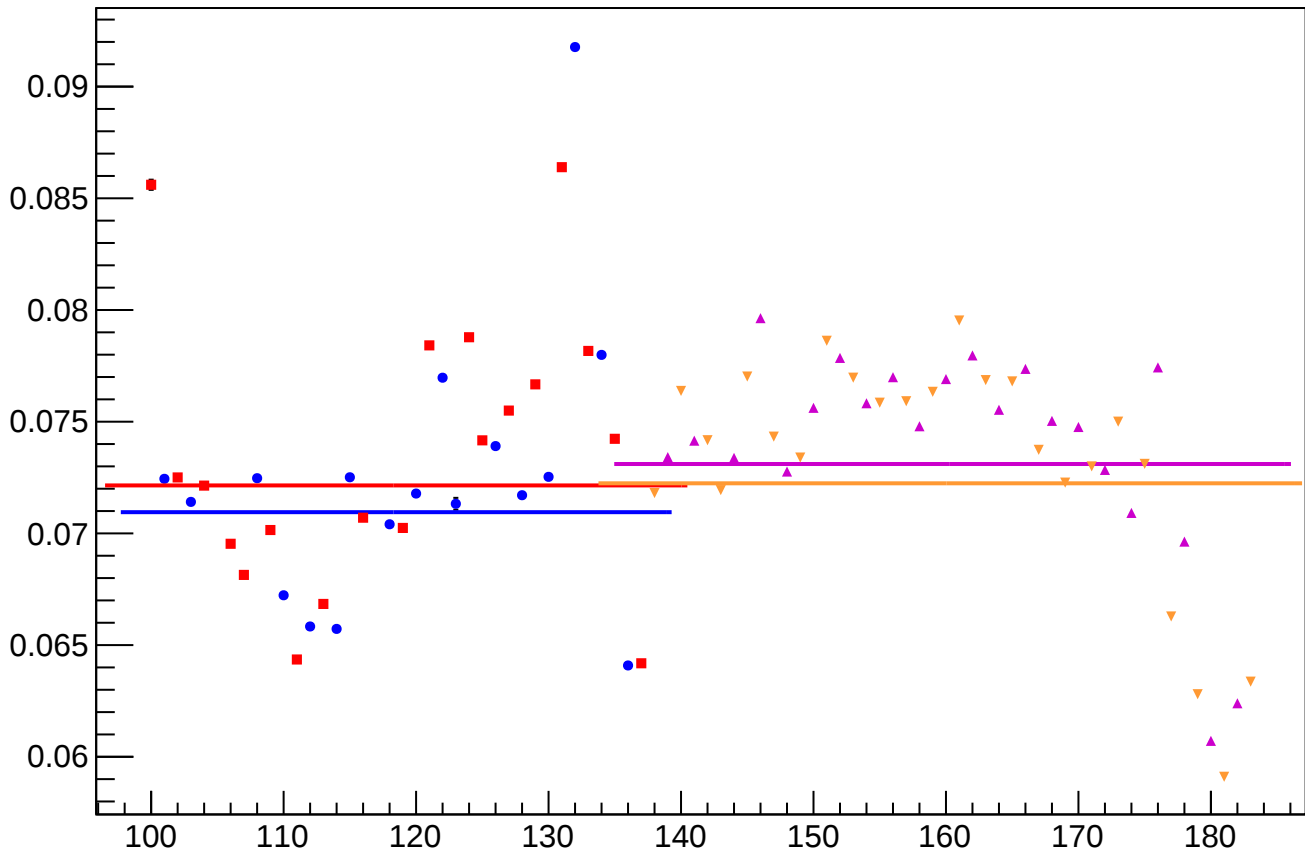
Left In: -1.211+/-0.000 χ^2/NDF : 5593180145.1/21

+ sign -1.188+/-0.000 χ^2/NDF : 8866588911.1/40

All: -1.239+/-0.000 χ^2/NDF : 16127731456.6/40

- sign -1.292+/-0.000 χ^2/NDF : 7236629838.2/40

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77148.7/16

Left Out: 0.072+/-0.000 χ^2/NDF : 219861.3/23

Right Out: 0.072+/-0.000 χ^2/NDF : 69021.6/18

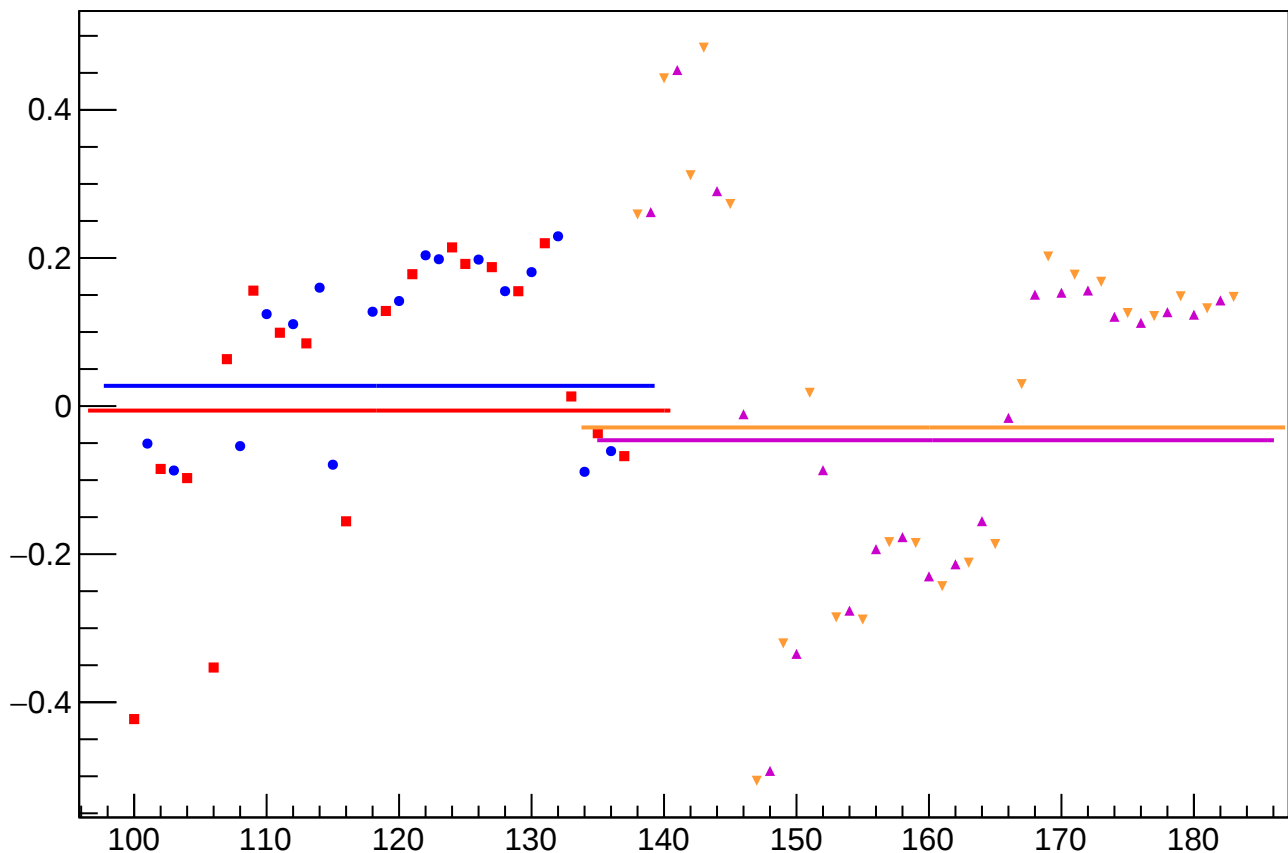
Left In: 0.073+/-0.000 χ^2/NDF : 168156.8/21

+ sign 0.072+/-0.000 χ^2/NDF : 300154.8/40

All: 0.072+/-0.000 χ^2/NDF : 543047.2/81

- sign 0.073+/-0.000 χ^2/NDF : 238895.2/40

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562065478.3/16

Left Out: -0.029+/-0.000 χ^2/NDF : 20246986726.1/23

+ sign -0.023+/-0.000 χ^2/NDF : 20932820506.2/40

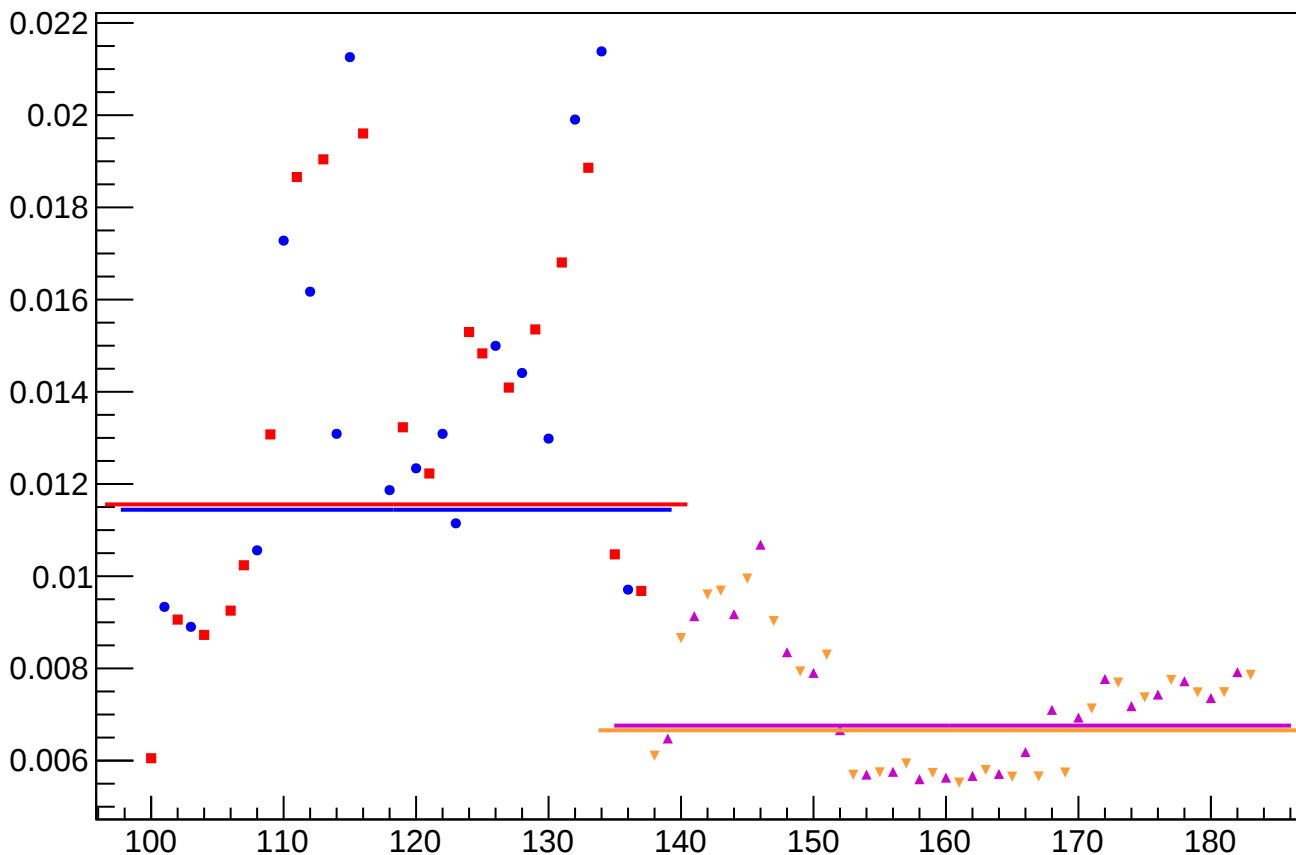
Right Out: -0.006+/-0.000 χ^2/NDF : 1205303430.4/18

All: -0.032+/-0.000 χ^2/NDF : 37850165047.2/40

Left In: -0.046+/-0.000 χ^2/NDF : 15580032462.2/21

- sign -0.042+/-0.000 χ^2/NDF : 16848326240.0/40

yield_bpm0r03Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 673738.1/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1139020.3/23

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 979298.5/18

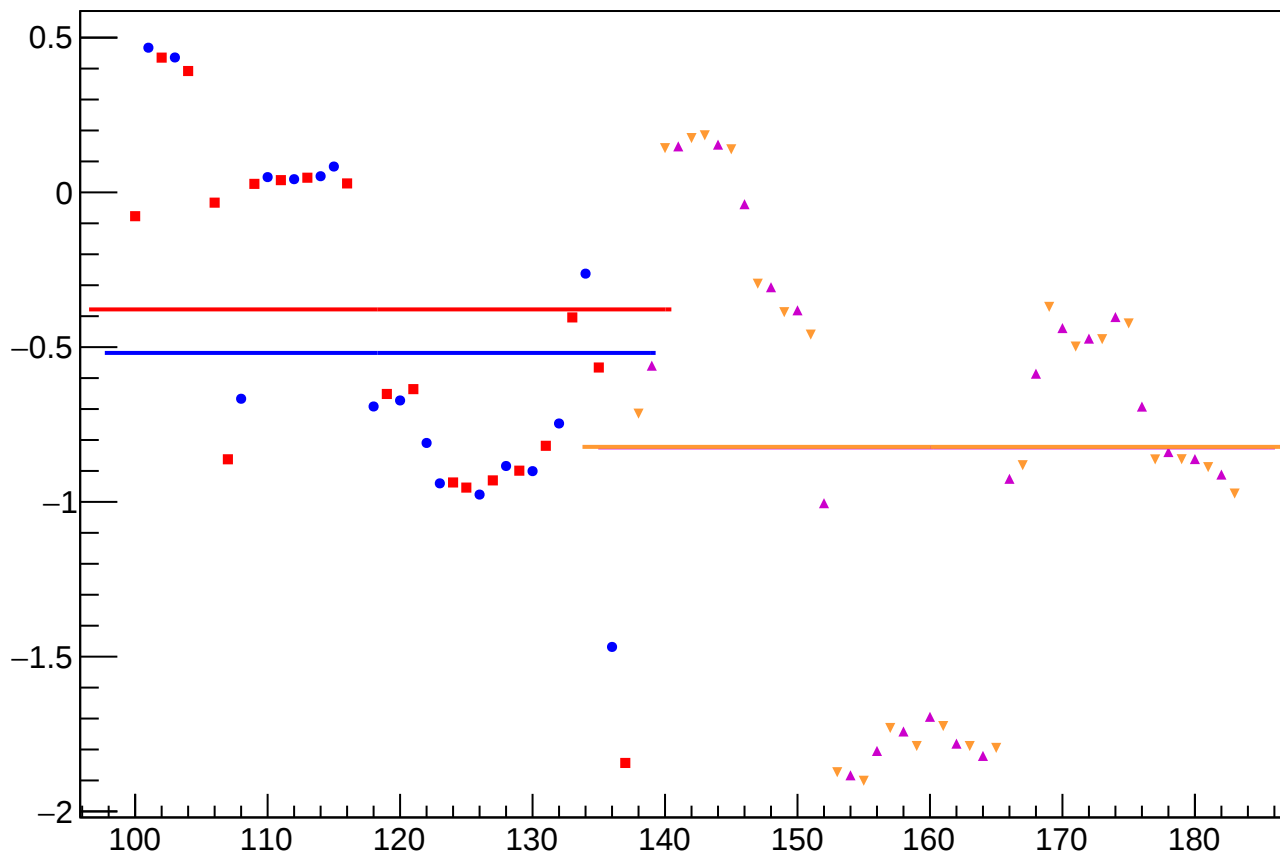
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:924538.3/21

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3606475.6/40

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7326478.5/81

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3710779.3/40

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 χ^2/NDF : 338707442.0/16

Left Out: -0.822 ± 0.000 χ^2/NDF : 1102894719.2/23

Right Out: -0.378 ± 0.000 χ^2/NDF : 267921889.8/18

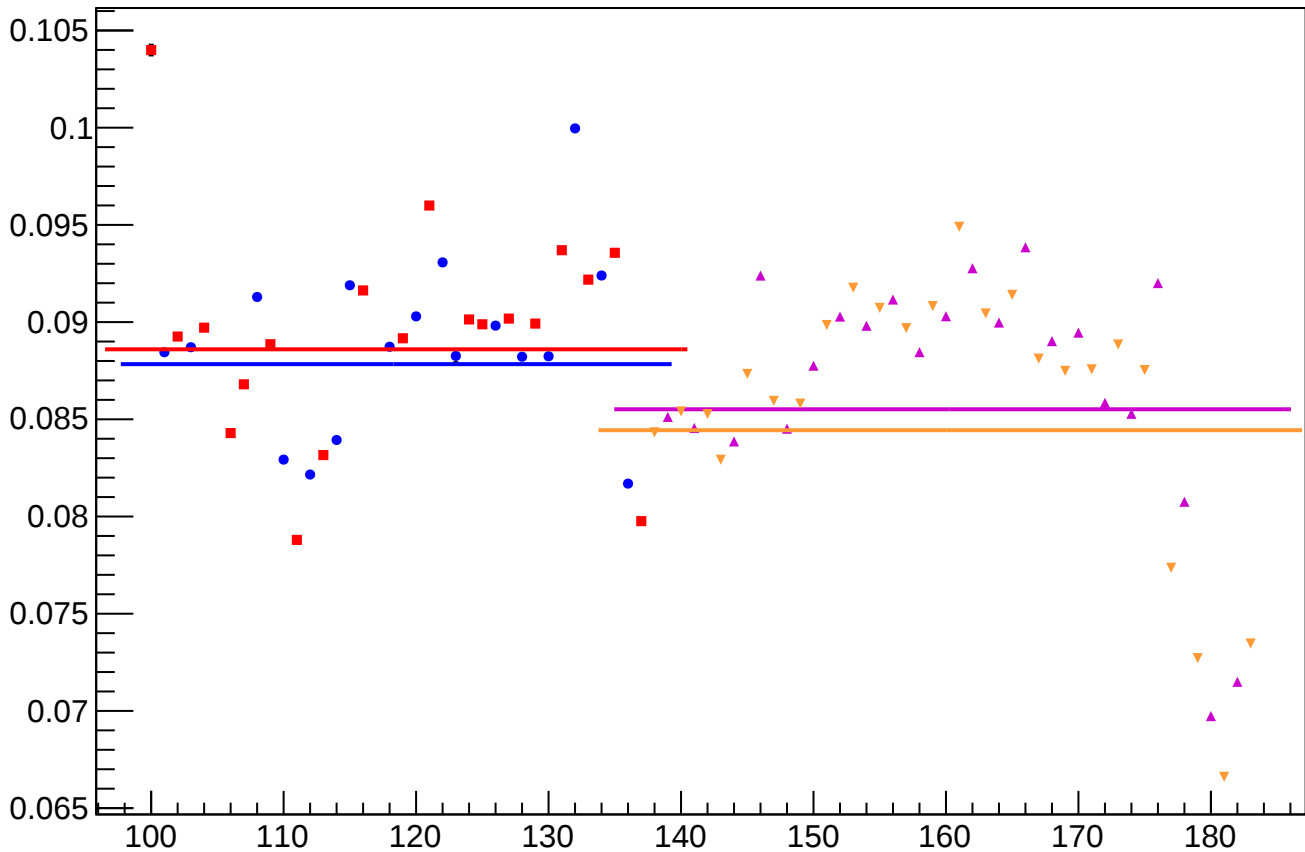
Left In: -0.824 ± 0.000 χ^2/NDF : 920766619.0/21

+ sign -0.745 ± 0.000 χ^2/NDF : 1500835567.1/40

All: -0.722 ± 0.000 χ^2/NDF : 2821720421.4/8

- sign -0.699 ± 0.000 χ^2/NDF : 1317397666.4/40

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34872.1/16

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:285045.5/23

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 38932.4/18

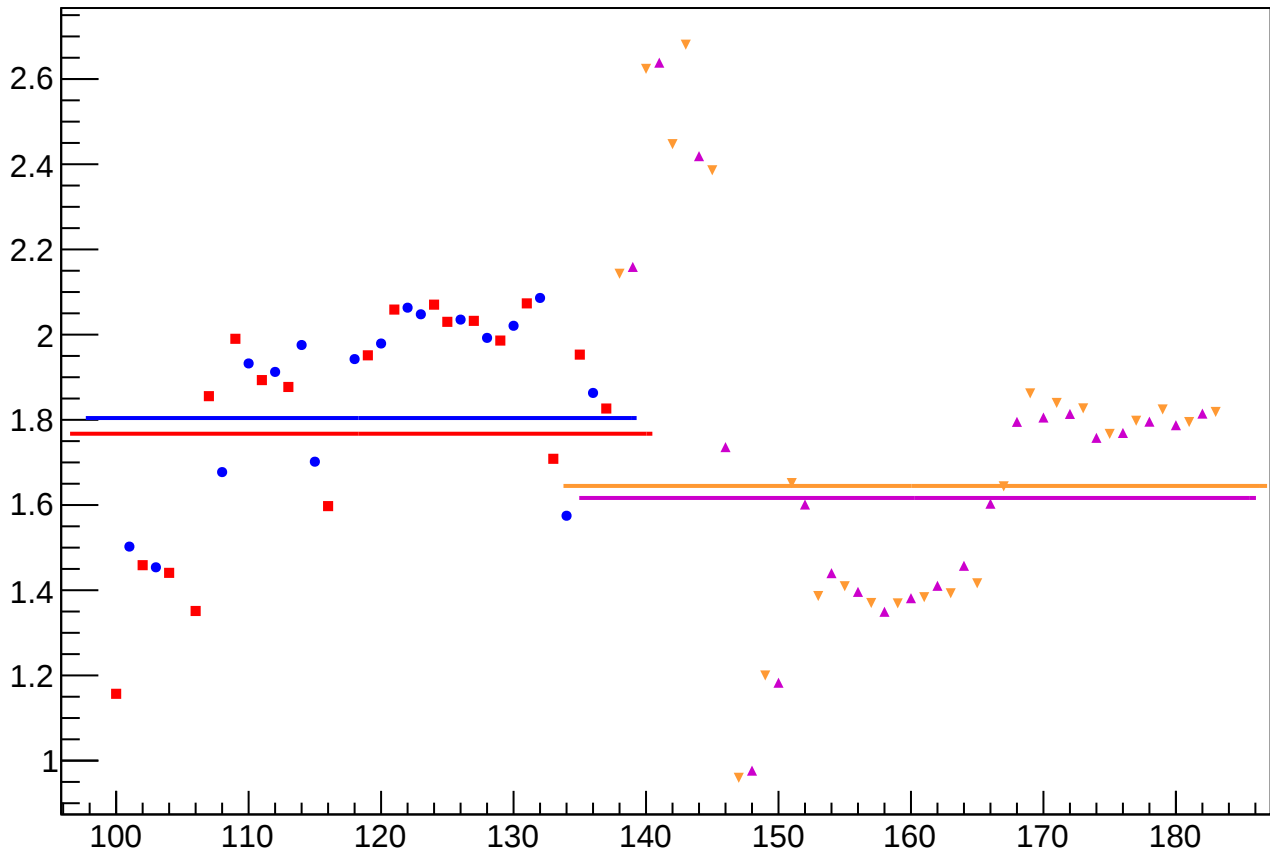
Left In: 0.086 $\pm$ 0.000 χ^2 /NDF:218329.2/21

+ sign 0.085 $\pm$ 0.000 χ^2 /NDF: 334757.3/40

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 608139.0/81

- sign 0.086 $\pm$ 0.000 χ^2 /NDF: 269581.2/40

yield_bpm0r05Y_mean vs Slug



Right In: 1.804+/-0.000 χ^2/NDF : 1156038618.5/16

Left Out: 1.645+/-0.000 χ^2/NDF : 26465782260.2/23

Right Out: 1.767+/-0.000 χ^2/NDF : 1715728859.6/18

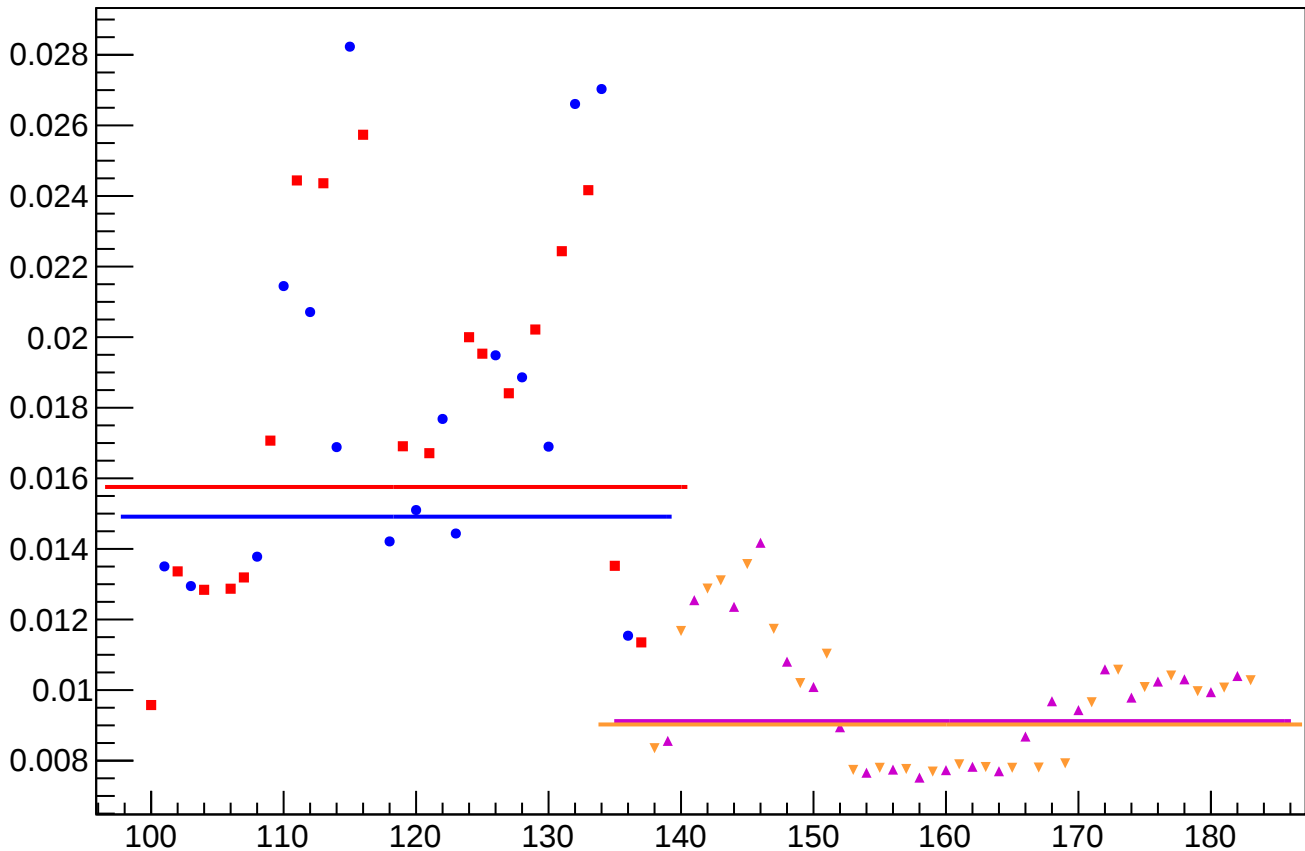
Left In: 1.617+/-0.000 χ^2/NDF : 20533864900.6/21

+ sign 1.663+/-0.000 χ^2/NDF : 28203861266.8/40

All: 1.649+/-0.000 χ^2/NDF : 51034950238.9/8

- sign 1.634+/-0.000 χ^2/NDF : 22738575154.3/40

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 638037.3/16

Left Out: 0.009+/-0.000 χ^2/NDF :1039290.0/23

Right Out: 0.016+/-0.000 χ^2/NDF : 770357.5/18

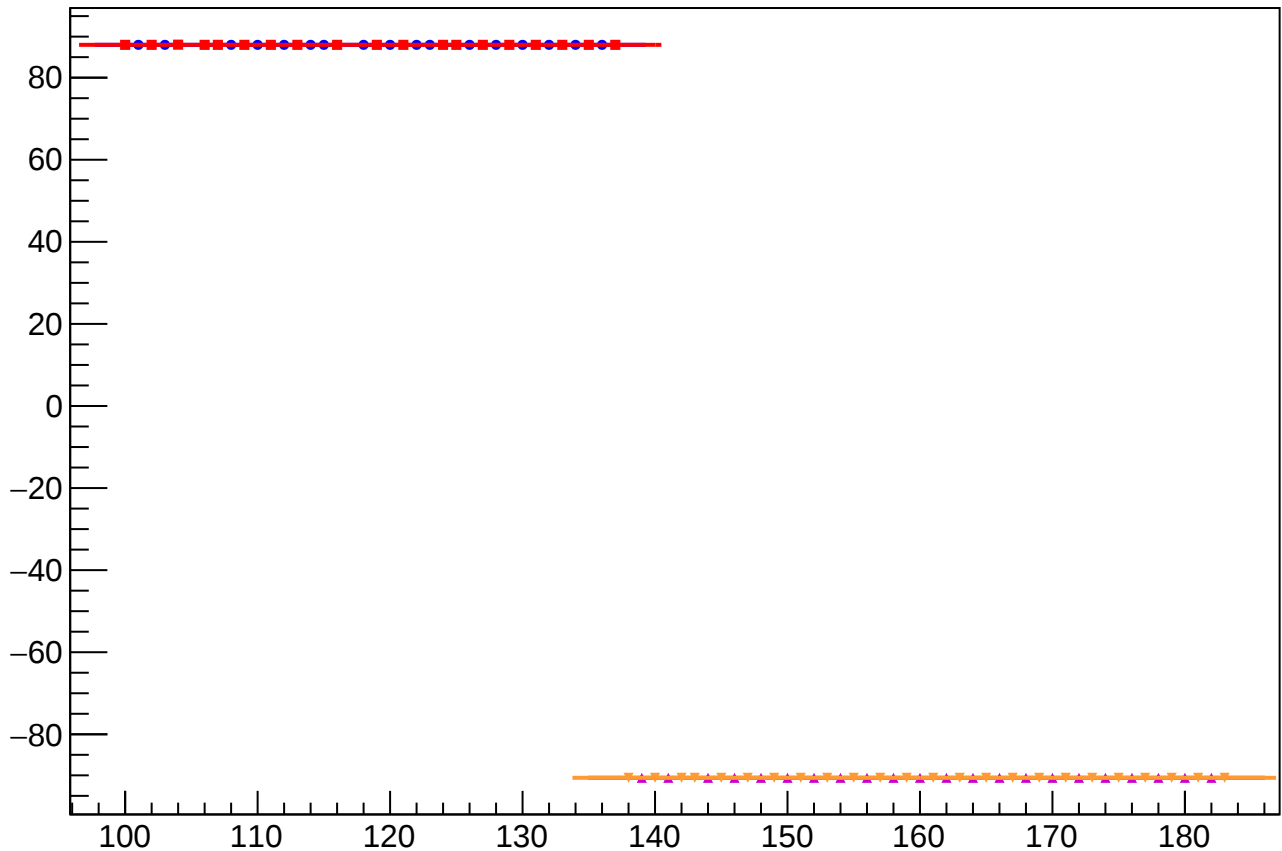
Left In: 0.009+/-0.000 χ^2/NDF :871972.5/21

+ sign 0.010+/-0.000 χ^2/NDF : 3265846.5/40

All: 0.010+/-0.000 χ^2/NDF : 6809374.6/81

- sign 0.010+/-0.000 χ^2/NDF : 3535224.4/40

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1547328.6/16

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 4933801.2/23

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77529520773816998986447323136.0/18

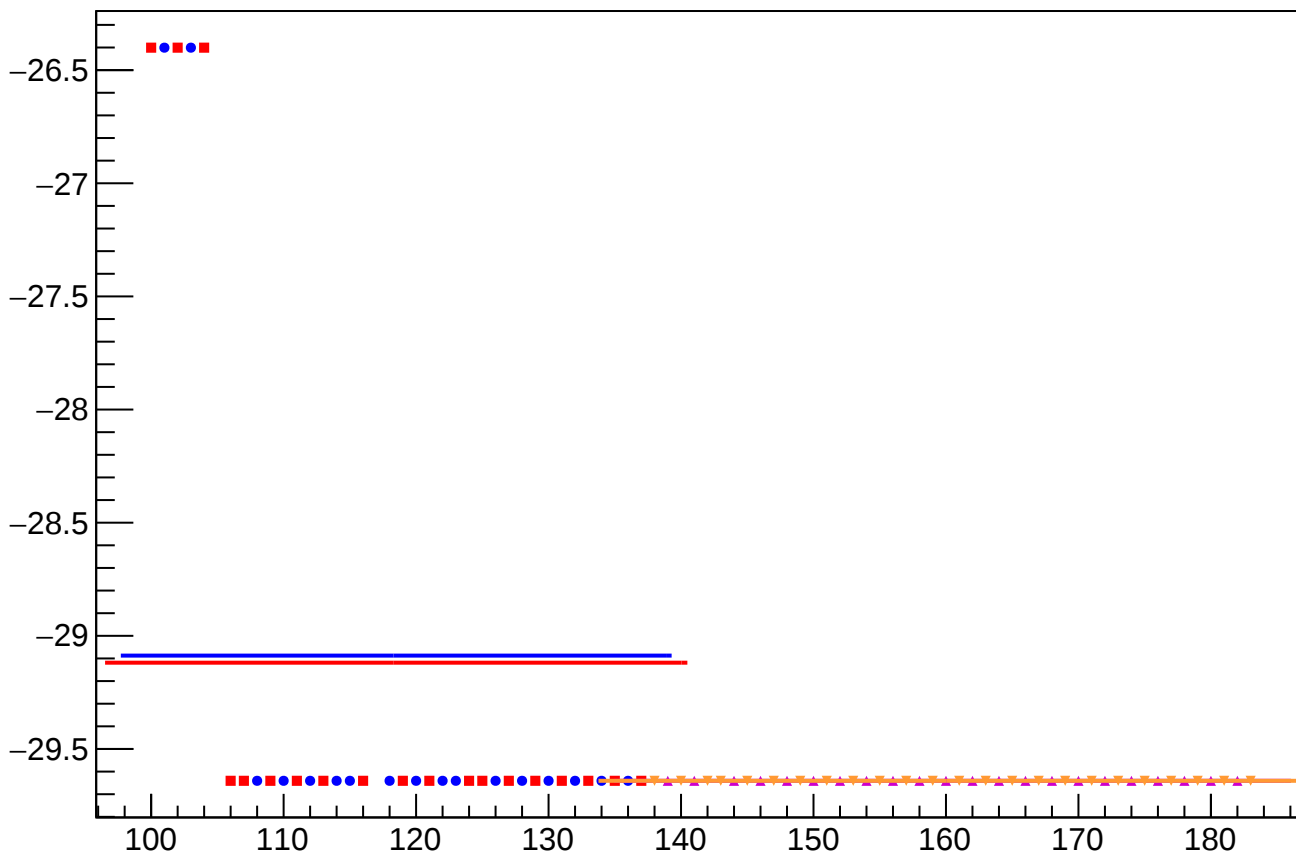
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 6290894.4/21

+ sign -42.560 $\pm$ 0.000 χ^2 /NDF: 161128528205838

All: -40.756 $\pm$ 0.000 χ^2 /NDF: 324479677310

- sign -38.893 $\pm$ 0.000 χ^2 /NDF: 1631811936476460

epics_HWienAngles_mean vs Slug



Right In: -29.087+/-0.000 χ^2/NDF : 1027184842836480355028877627621376.0/16

Left Out: -29.641+/-0.000 χ^2/NDF : 317361.9/23

Right Out: -29.119+/-0.000 χ^2/NDF : 1021533120000008474668992382894080.0/18

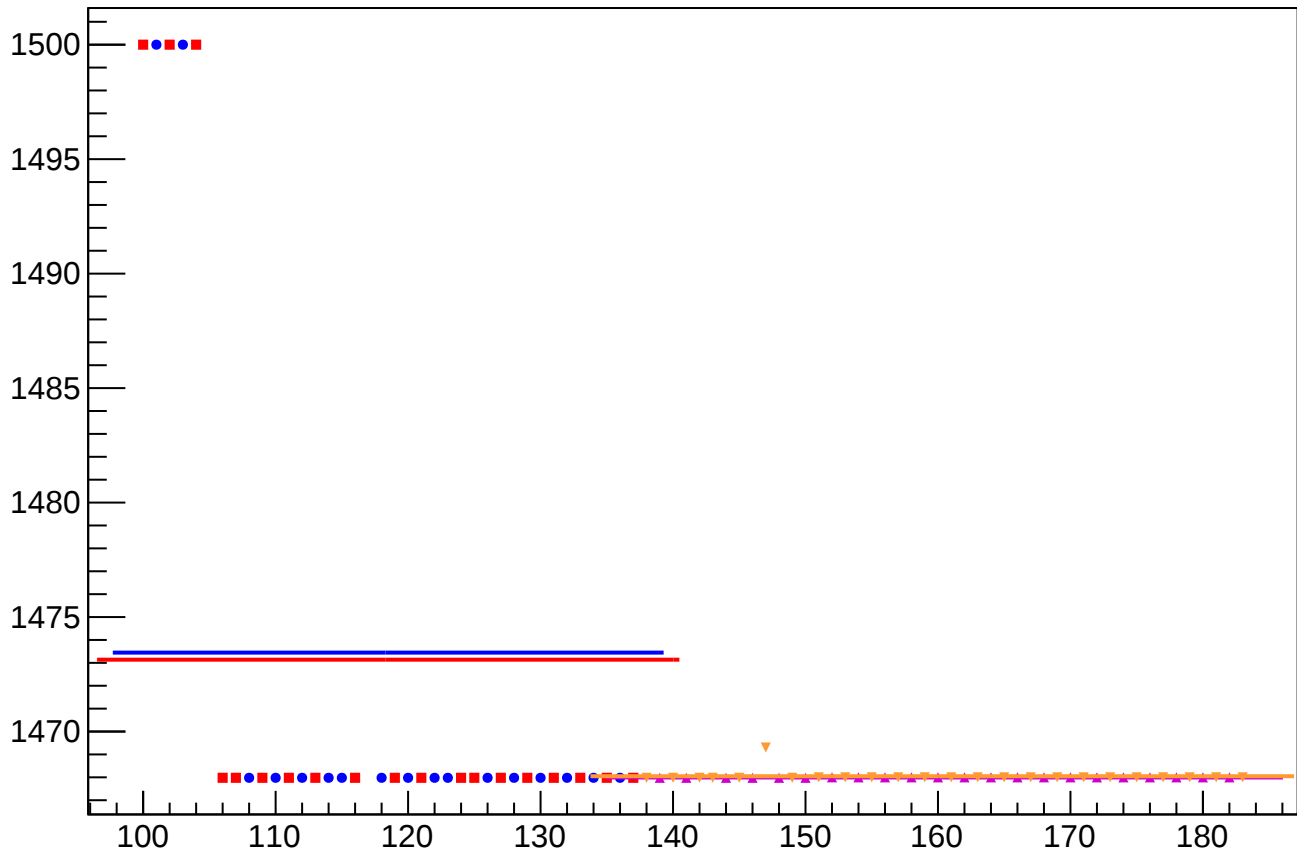
Left In: -29.641+/-0.000 χ^2/NDF : 236191.3/21

+ sign -29.492+/-0.000 χ^2/NDF : 118181972627480

All: -29.491+/-0.000 χ^2/NDF : 234275038860

- sign -29.490+/-0.000 χ^2/NDF : 1160923970084413

epics_psub_pl_poss_mean vs Slug



Right In: 1473.447+/-0.000 χ^2/NDF : 100331979974804513534478923851628544.0/16

Left Out: 1468.049+/-0.000 χ^2/NDF : 127884495787399263158974965350400.0/23

Right Out: 1473.138+/-0.000 χ^2/NDF : 99779938590622337721401930749575168.0/18

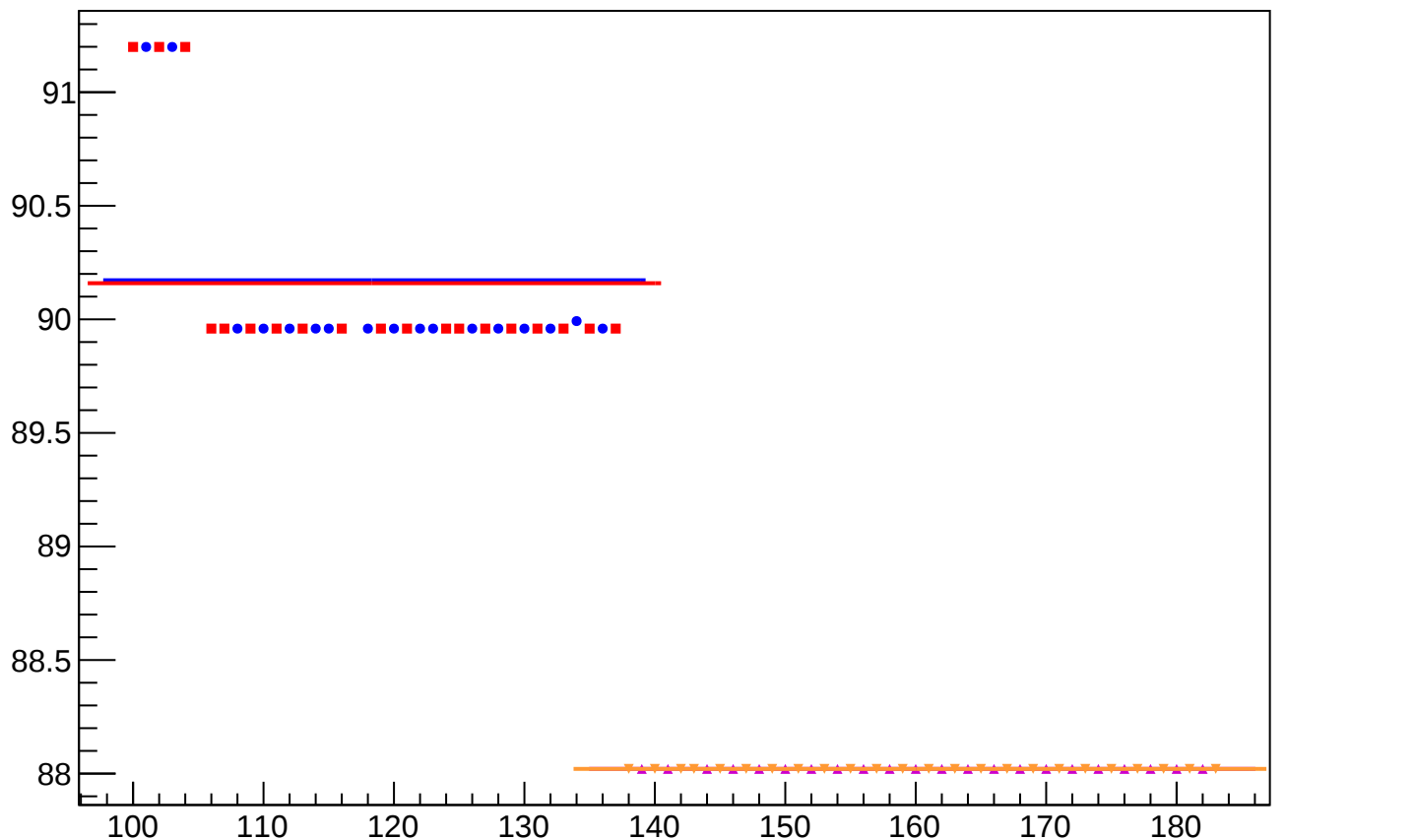
Left In: 1467.994+/-0.000 χ^2/NDF : 143580305568422612962201567232.0/21

+ sign 1469.501+/-0.000 χ^2/NDF : 11518364679929

All: 1469.492+/-0.000 χ^2/NDF : 22850382977

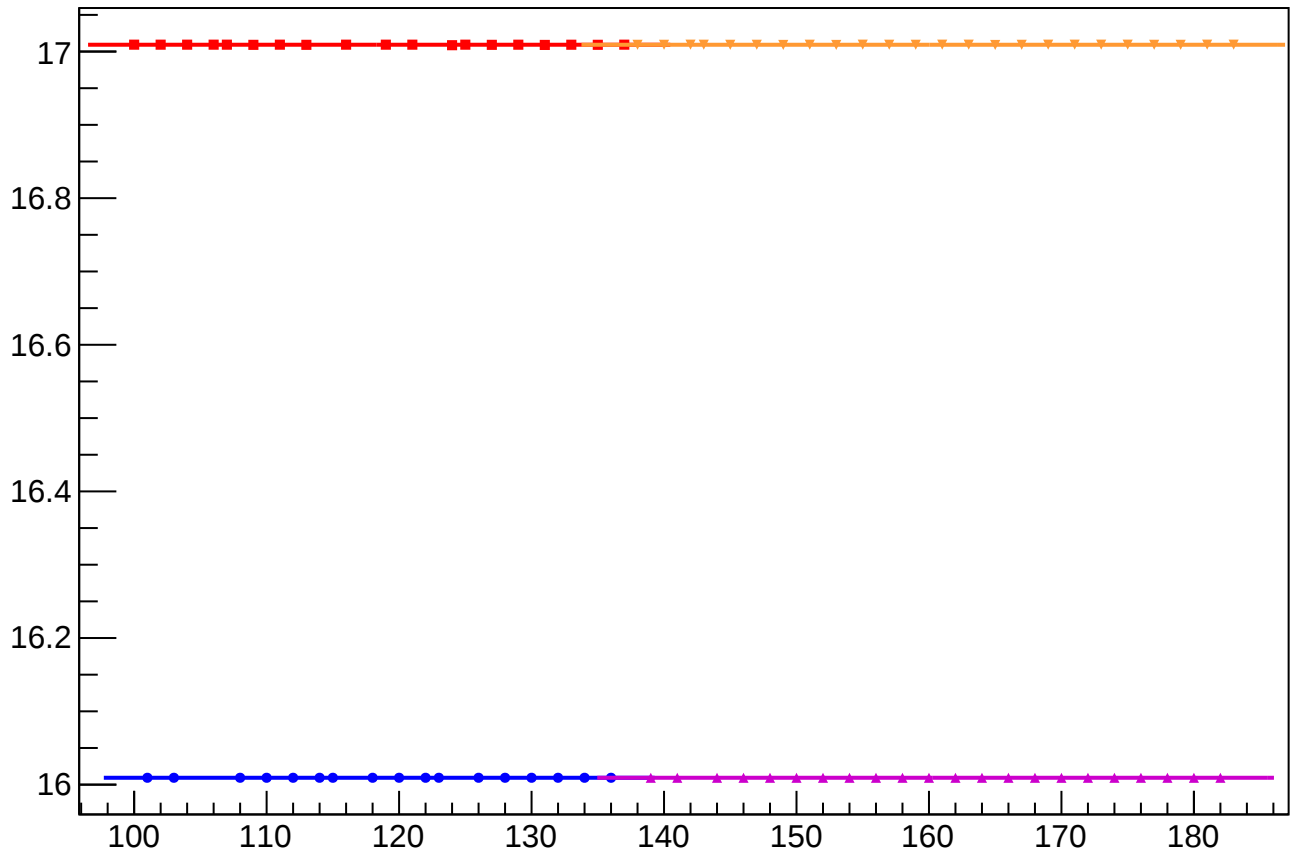
- sign 1469.483+/-0.000 χ^2/NDF : 11331978537918

epics_Phi_FGs_mean vs Slug



Right In: 90.172 $\pm$ 0.000 χ^2 /NDF: 150181697791974119042789817712640.0/16
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5330831.7/23
 Right Out: 90.159 $\pm$ 0.000 χ^2 /NDF: 149625564444474590335066871693312.0/18
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6096216.1/21
 + sign 88.599 $\pm$ 0.000 χ^2 /NDF: 2488110914120769
 All: 88.619 $\pm$ 0.000 χ^2 /NDF: 4978957993600
 - sign 88.640 $\pm$ 0.000 χ^2 /NDF: 2488783723584603

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 ± 0.000 $\chi^2/\text{NDF}: 38900.3/16$

Left Out: 17.009 ± 0.000 $\chi^2/\text{NDF}: 25866397945761696728481792.0/23$

Right Out: 17.009 ± 0.000 $\chi^2/\text{NDF}: 12507759350541157226512384.0/18$

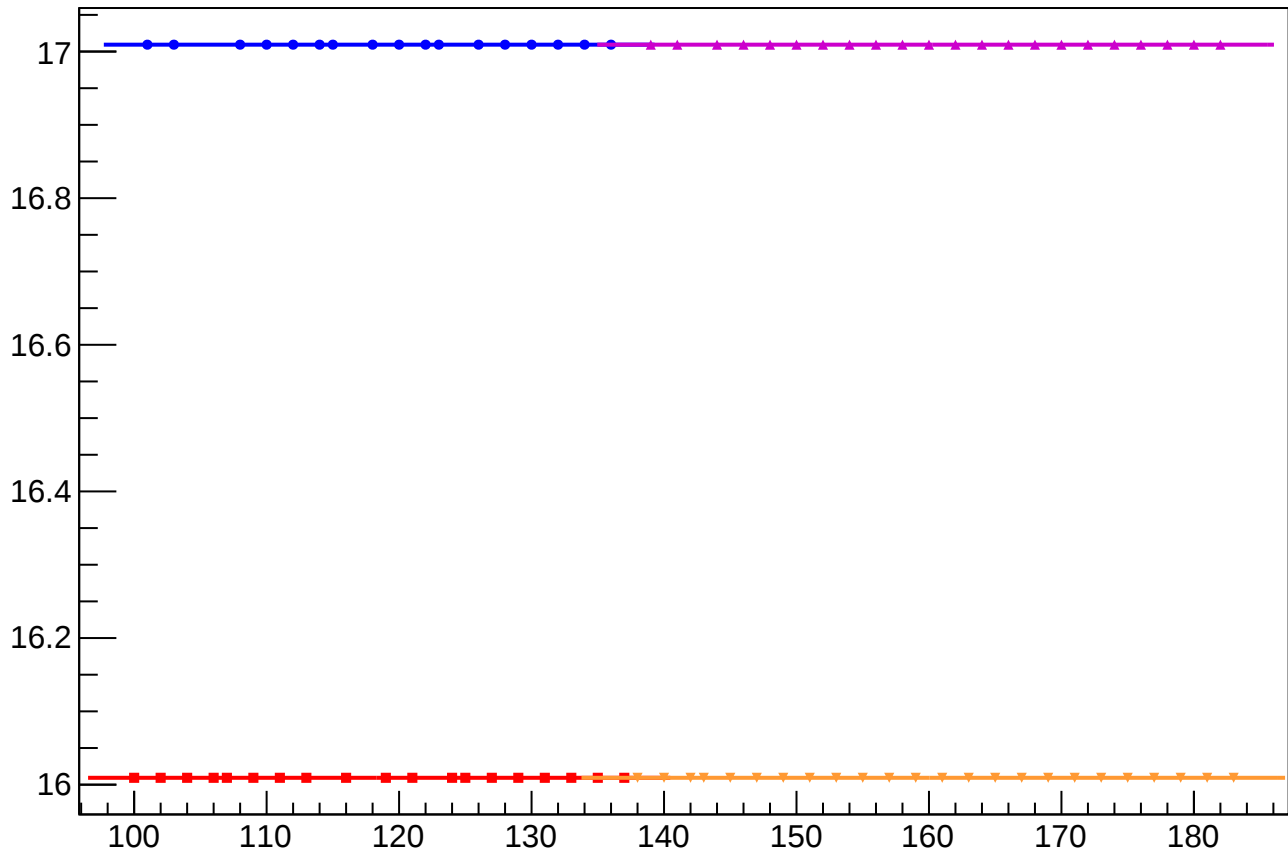
Left In: 16.009 ± 0.000 $\chi^2/\text{NDF}: 127817402424212171259904.0/21$

+ sign 16.735 ± 0.000 $\chi^2/\text{NDF}: 4780939691190290$

All: 16.520 ± 0.000 $\chi^2/\text{NDF}: 1172743897321$

- sign 16.294 ± 0.000 $\chi^2/\text{NDF}: 4668745582208149$

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 119200.0/16

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 89412.7/23

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 39077.0/18

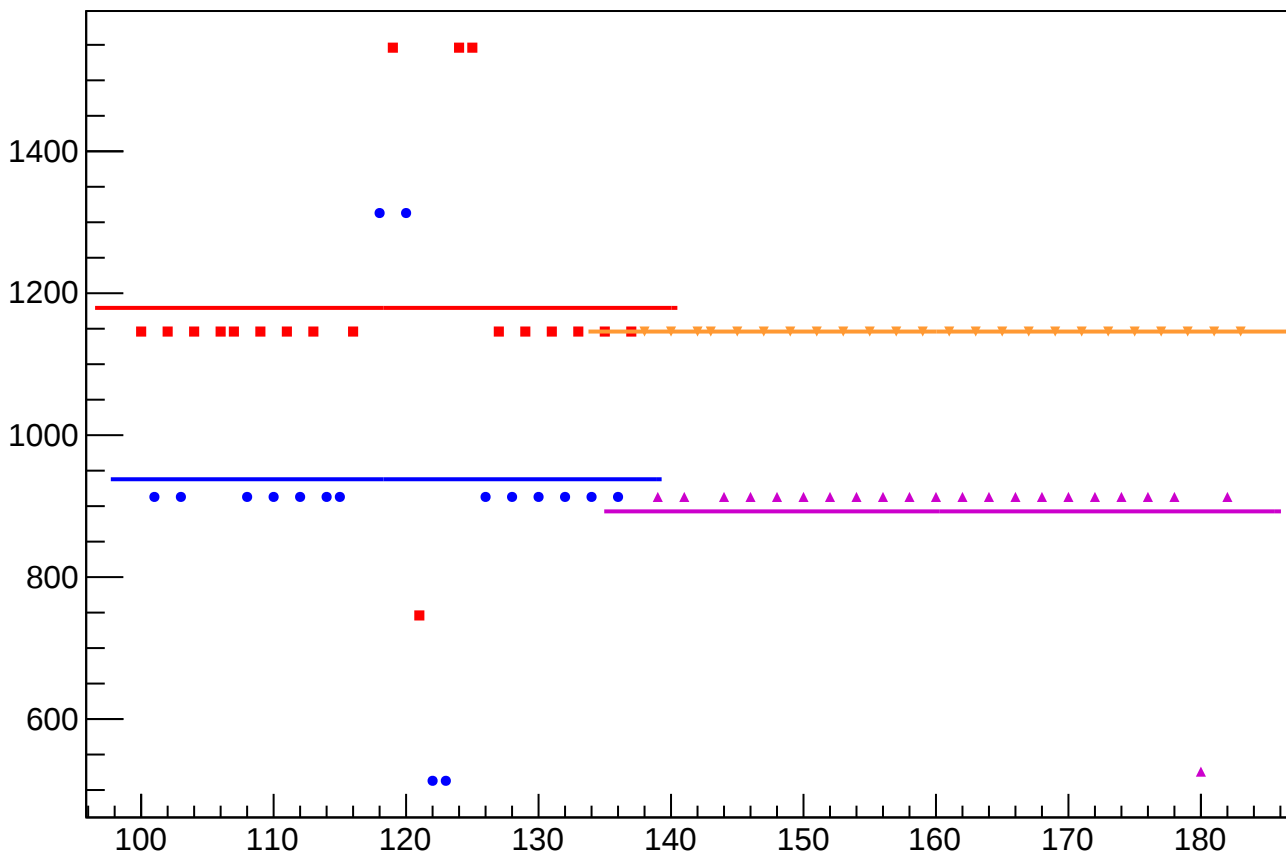
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 114892176955321654181888.0/21

+ sign 16.272 $\pm$ 0.000 χ^2 /NDF: 4861862315956973

All: 16.491 $\pm$ 0.000 χ^2 /NDF: 1235248778665

- sign 16.717 $\pm$ 0.000 χ^2 /NDF: 5042224000138405

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 937.887+/-0.000 χ^2/NDF : 20853195799113284359206128263972782080.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 6545047420861811079340097536.0/23

Right Out: 1179.343+/-0.000 χ^2/NDF : 21280712999839458982137051519993774080.0/18

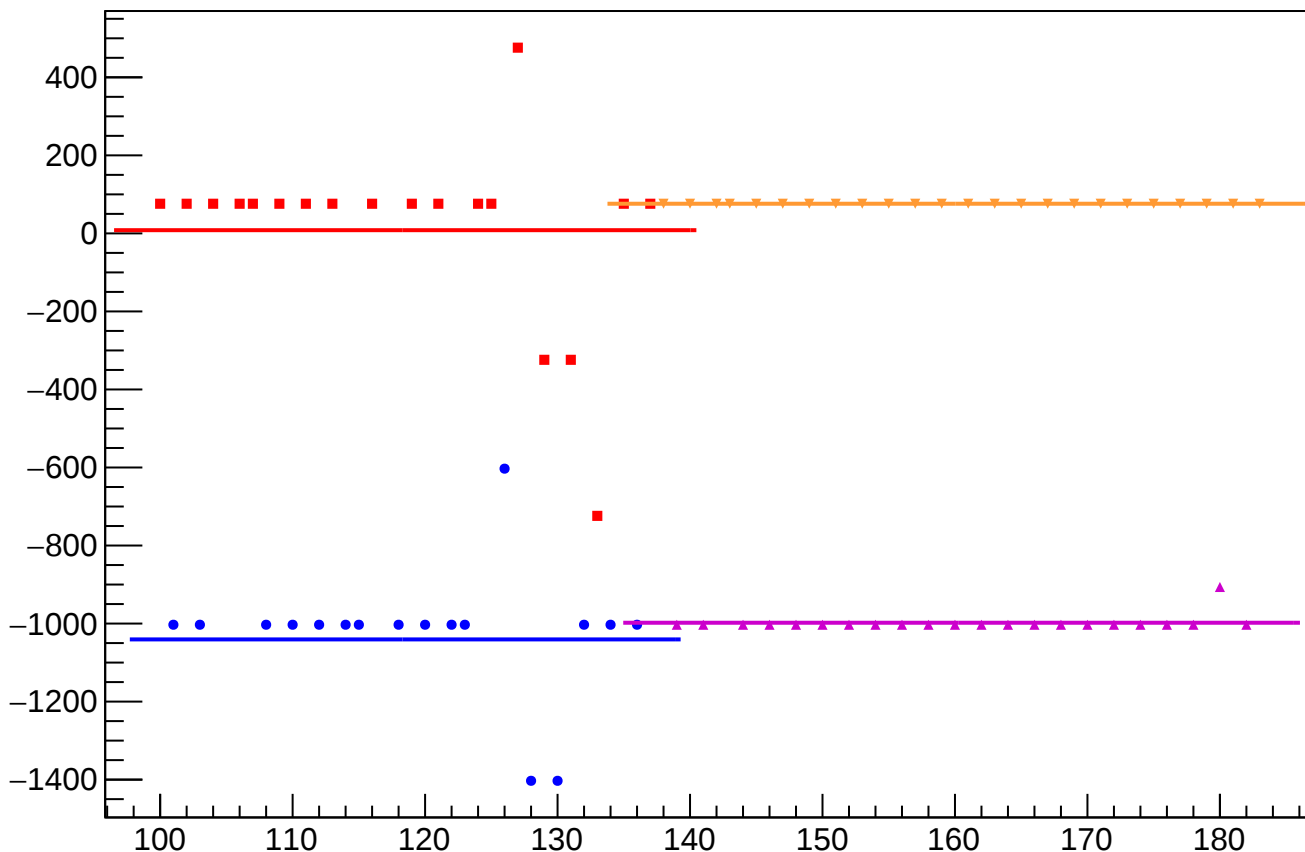
Left In: 892.621+/-0.000 χ^2/NDF : 13202011007518216554573279869670522880.0/21

All: 1033.757+/-0.000 χ^2/NDF : 13580954789

+ sign 1090.031+/-0.000 χ^2/NDF : 42733554746888

- sign 975.629+/-0.000 χ^2/NDF : 765374725980325

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1040.616+/-0.000 χ^2/NDF : 22221373085920074948025403120531013632.0/16

Left Out: 76.011+/-0.000 χ^2/NDF : 11410042499010907328753958912.0/23 + sign -224.335+/-0.000 χ^2/NDF : 65205467894108

Right Out: 8.231+/-0.000 χ^2/NDF : 43732051061335101274341918679788158976.0/18 All: -461.565+/-0.000 χ^2/NDF : 15083803007

Left In: -997.896+/-0.000 χ^2/NDF : 825117649461960866287962802150703104.0/21 - sign -706.617+/-0.000 χ^2/NDF : 562401827401434