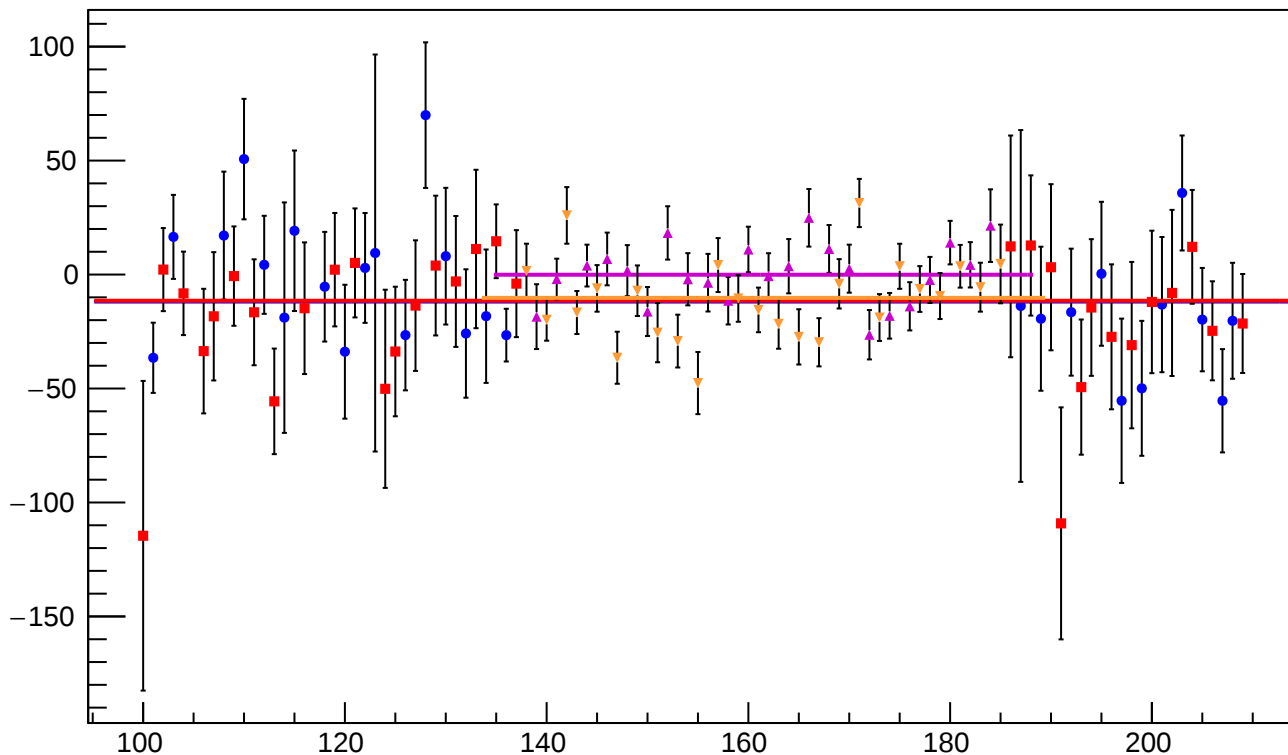


diff_bpm4aX_mean vs Slug



Right In: -11.841 ± 4.704

χ^2/NDF : 34.1/27

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -11.495 ± 4.706

χ^2/NDF : 21.6/31

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -10.520 ± 1.971

χ^2/NDF : 92.4/52

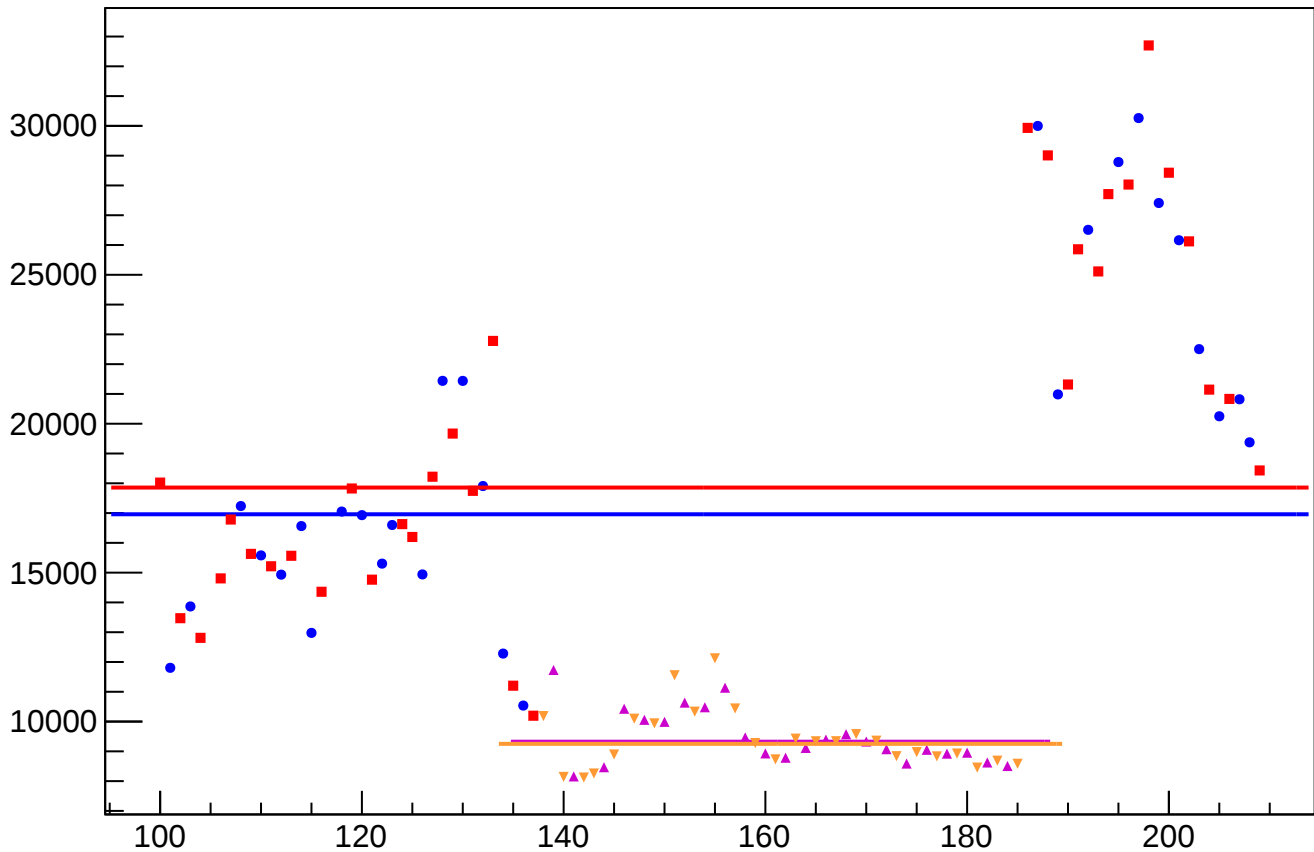
All: -6.486 ± 1.414

χ^2/NDF : 157.2/107

- sign -2.205 ± 2.030

χ^2/NDF : 56.2/54

diff_bpm4aX_rms vs Slug



Right In: 16959.681+/-3.326 χ^2/NDF : 2641891.5/27

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

Right Out: 17856.458+/-3.328 χ^2/NDF : 2761664.3/31

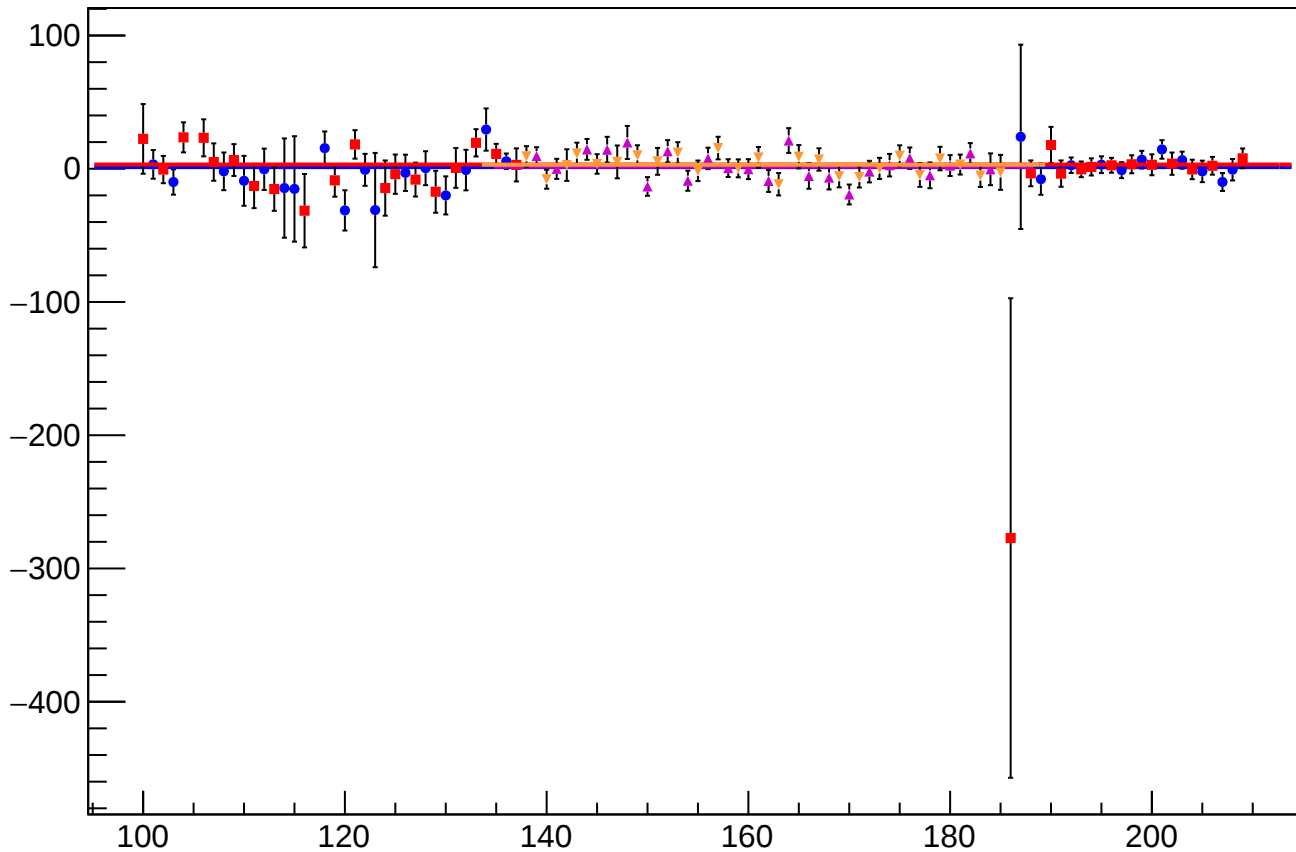
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

+ sign 10604.367+/-1.393 χ^2/NDF : 7401175.4/52

All: 10753.552+/-1.000 χ^2/NDF : 15812299.9

- sign 10911.914+/-1.436 χ^2/NDF : 8387495.2/54

diff_bpm4aY_mean vs Slug



Right In: 1.233 ± 1.778 χ^2/NDF : 23.6/27

Left Out: 3.027 ± 1.661 χ^2/NDF : 18.6/24

Right Out: 3.155 ± 1.718 χ^2/NDF : 25.6/31

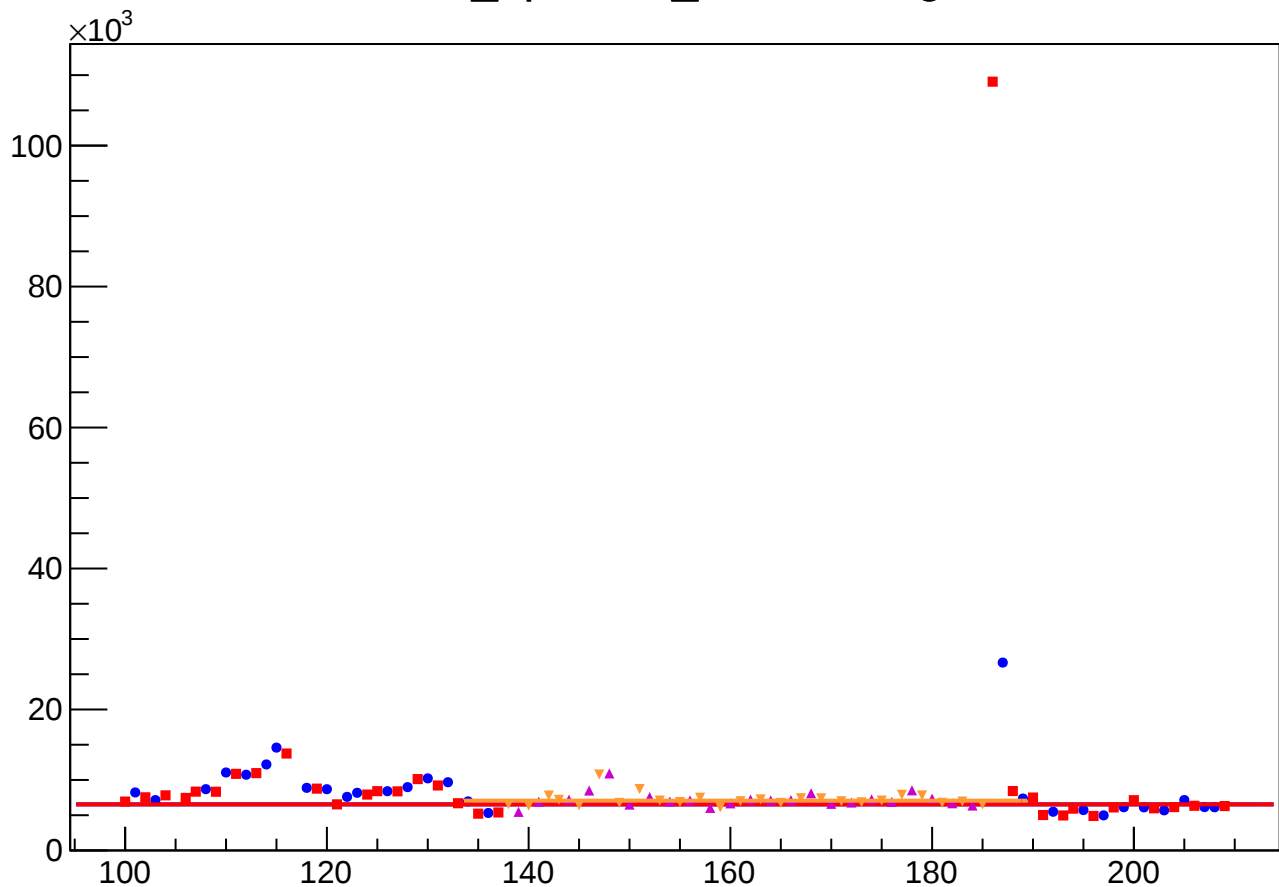
Left In: 1.588 ± 1.703 χ^2/NDF : 35.5/22

+ sign 2.191 ± 1.214 χ^2/NDF : 42.8/52

All: 2.278 ± 0.857 χ^2/NDF : 104.3/107

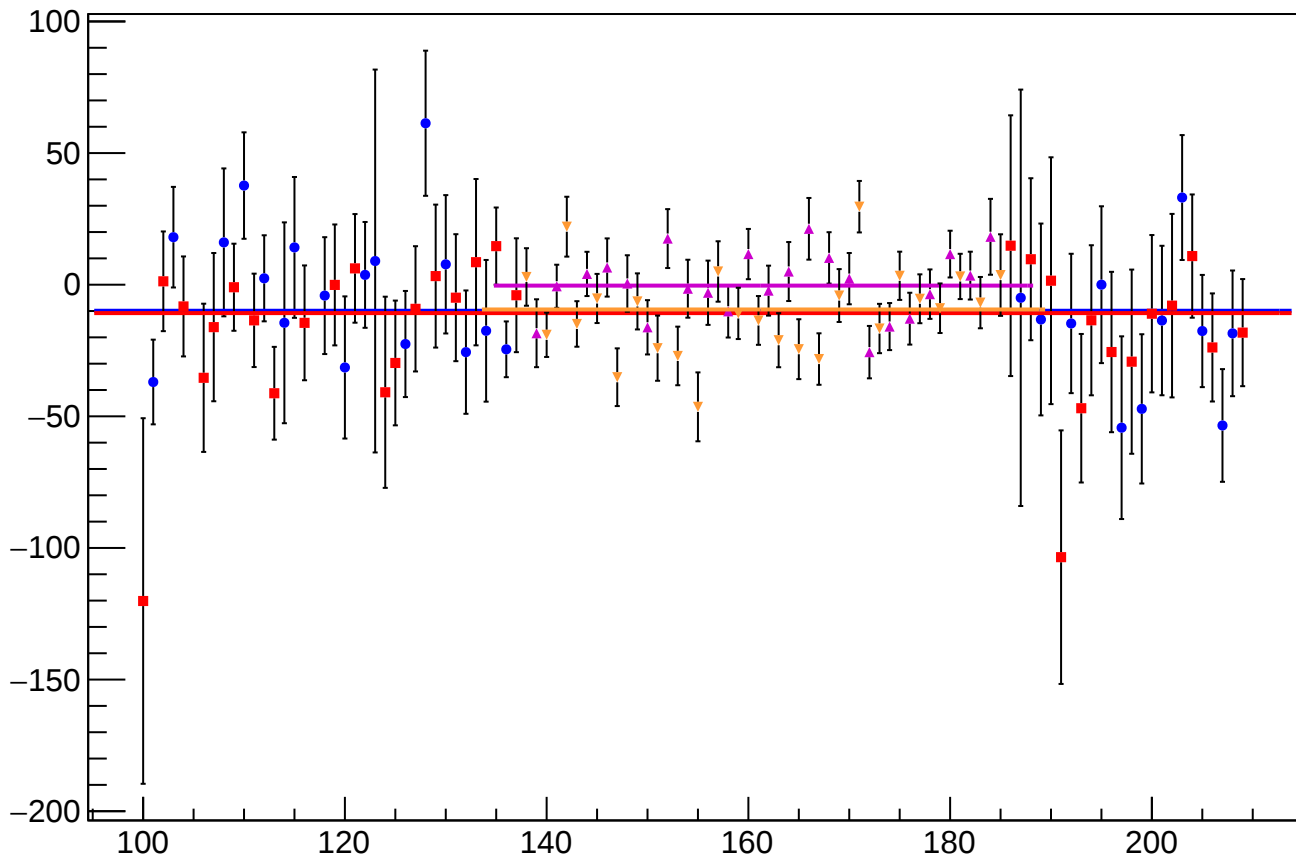
- sign 2.365 ± 1.209 χ^2/NDF : 61.6/54

diff_bpm4aY_rms vs Slug



Right In: 6532.727 ± 1.257 $\chi^2/\text{NDF}: 1530801.8/27$ + sign 6816.730 ± 0.858 $\chi^2/\text{NDF}: 2013154.8/52$
 Left Out: 7064.457 ± 1.174 $\chi^2/\text{NDF}: 386814.9/24$ All: 6797.647 ± 0.606 $\chi^2/\text{NDF}: 4721225.7/10$
 Right Out: 6538.557 ± 1.215 $\chi^2/\text{NDF}: 2104305.7/31$ - sign 6778.699 ± 0.855 $\chi^2/\text{NDF}: 2707085.5/54$
 Left In: 7014.572 ± 1.204 $\chi^2/\text{NDF}: 525313.7/22$

diff_bpm4eX_mean vs Slug



Right In: -9.900 ± 4.294 χ^2/NDF : 35.2/27

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

Right Out: -10.789 ± 4.258 χ^2/NDF : 21.2/31

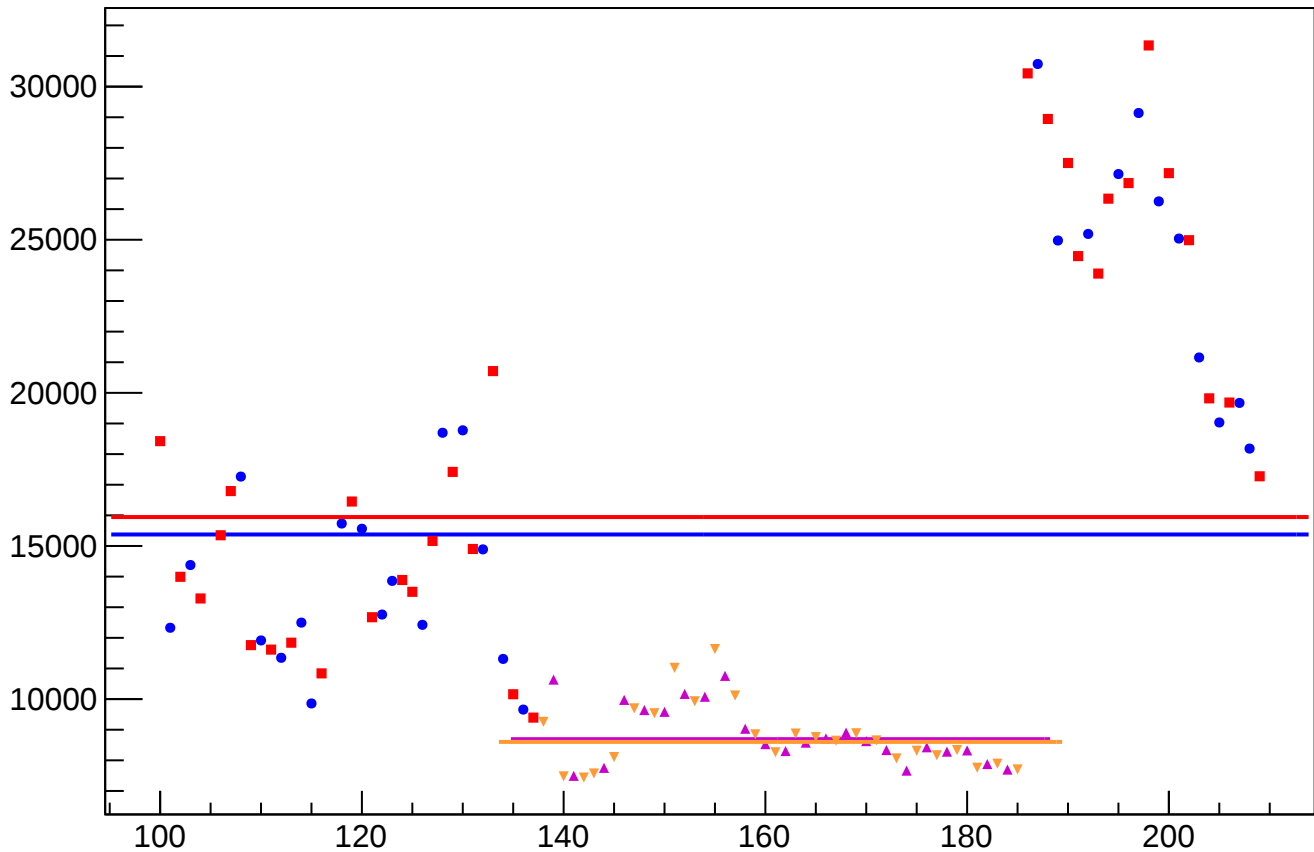
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.500 ± 1.829 χ^2/NDF : 94.0/52

All: -6.050 ± 1.312 χ^2/NDF : 157.2/107

- sign -2.388 ± 1.884 χ^2/NDF : 55.9/54

diff_bpm4eX_rms vs Slug



Right In: 15375.542+/-3.036 χ^2/NDF : 3060522.4/27

Left Out: 8602.220+/-1.429 χ^2/NDF : 438805.2/24

Right Out: 15944.635+/-3.011 χ^2/NDF : 3489490.0/31

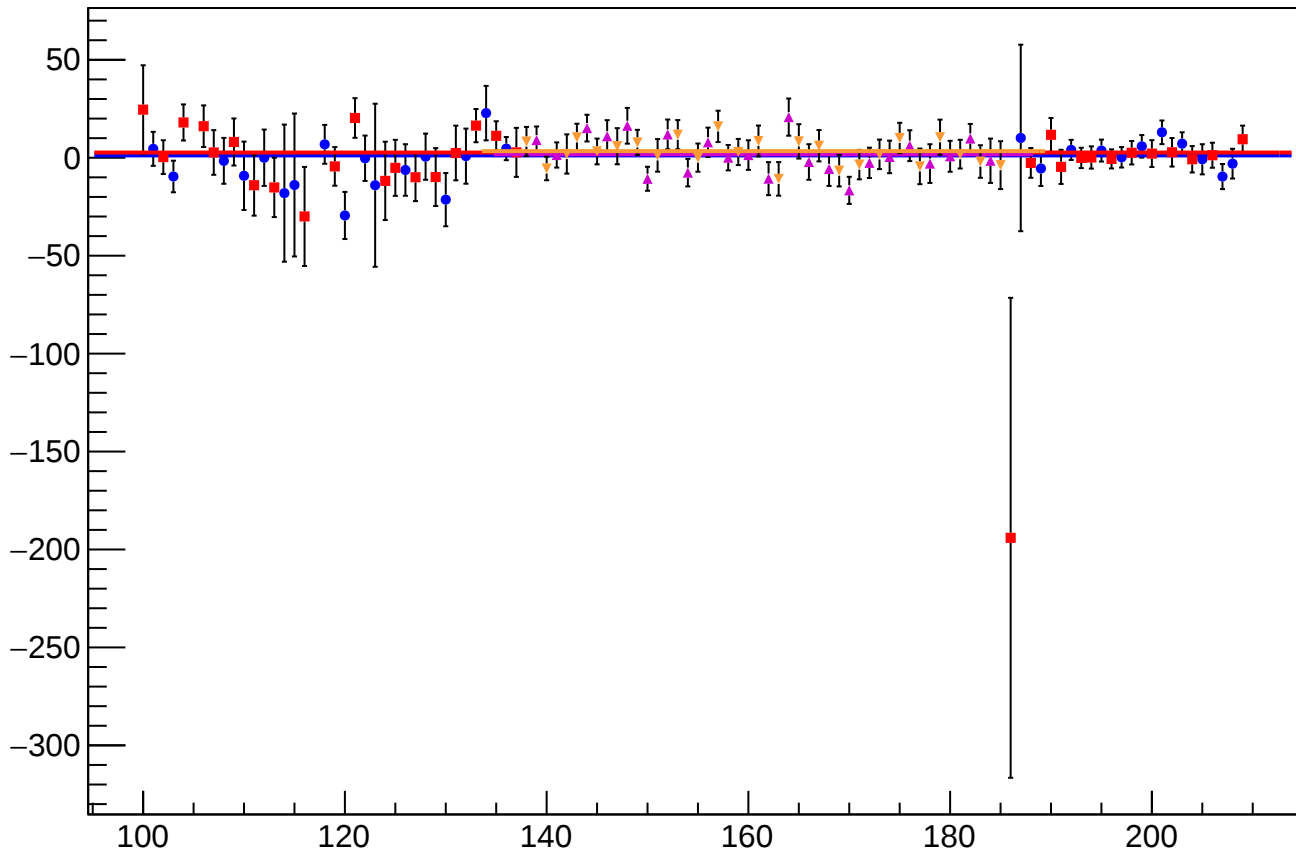
Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

+ sign 9830.733+/-1.293 χ^2/NDF : 7573892.5/52

All: 9966.567+/-0.928 χ^2/NDF : 16118771.2/100

- sign 10110.730+/-1.332 χ^2/NDF : 8522128.9/54

diff_bpm4eY_mean vs Slug



Right In: 1.197 ± 1.594 χ^2/NDF : 25.5/27

Left Out: 3.374 ± 1.552 χ^2/NDF : 17.2/24

Right Out: 2.667 ± 1.520 χ^2/NDF : 27.0/31

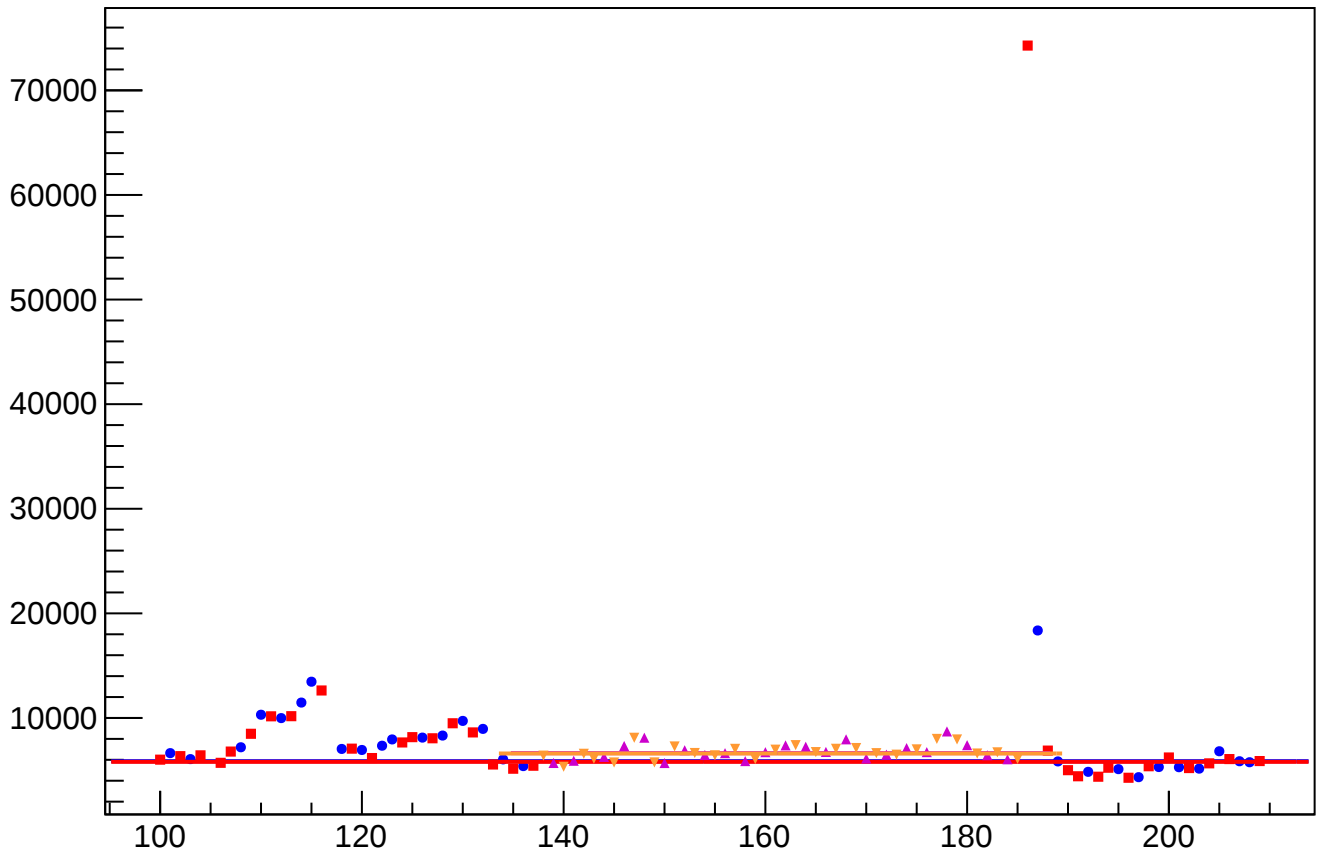
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.315 ± 1.112 χ^2/NDF : 43.6/52

All: 2.276 ± 0.784 χ^2/NDF : 104.3/107

- sign 2.237 ± 1.104 χ^2/NDF : 60.7/54

diff_bpm4eY_rms vs Slug



Right In: 5870.070+/-1.127 χ^2/NDF : 1492674.8/27

Left Out: 6603.953+/-1.097 χ^2/NDF : 395247.5/24

Right Out: 5806.513+/-1.075 χ^2/NDF : 2133207.1/31

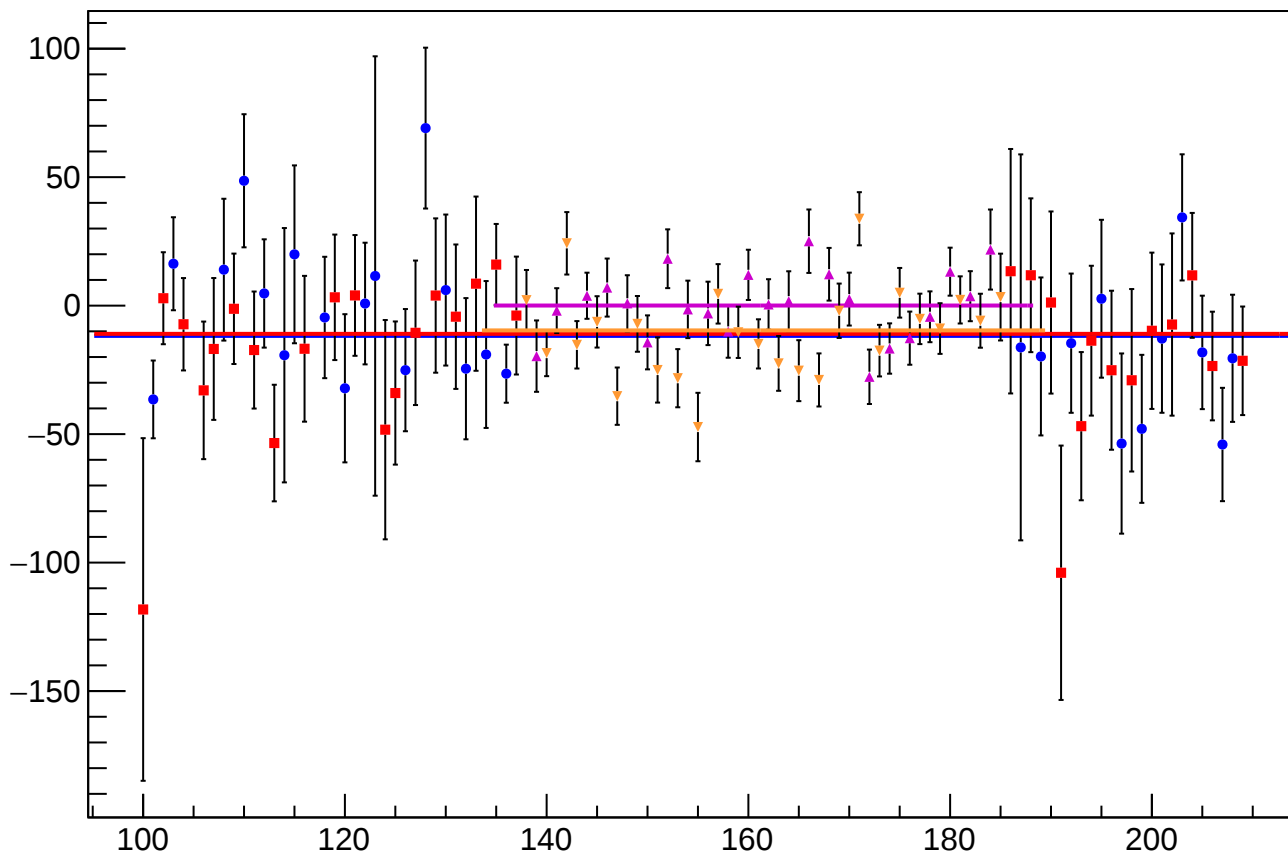
Left In: 6637.155+/-1.136 χ^2/NDF : 415547.5/22

+ sign 6246.921+/-0.786 χ^2/NDF : 2105538.9/52

All: 6222.724+/-0.554 χ^2/NDF : 4938133.0/10

- sign 6198.855+/-0.781 χ^2/NDF : 2830713.0/54

diff_bpm4acX_mean vs Slug



Right In: -11.769 ± 4.601 χ^2/NDF : 33.9/27

Left Out: -9.640 ± 2.122 χ^2/NDF : 59.9/24

Right Out: -10.984 ± 4.603 χ^2/NDF : 21.6/31

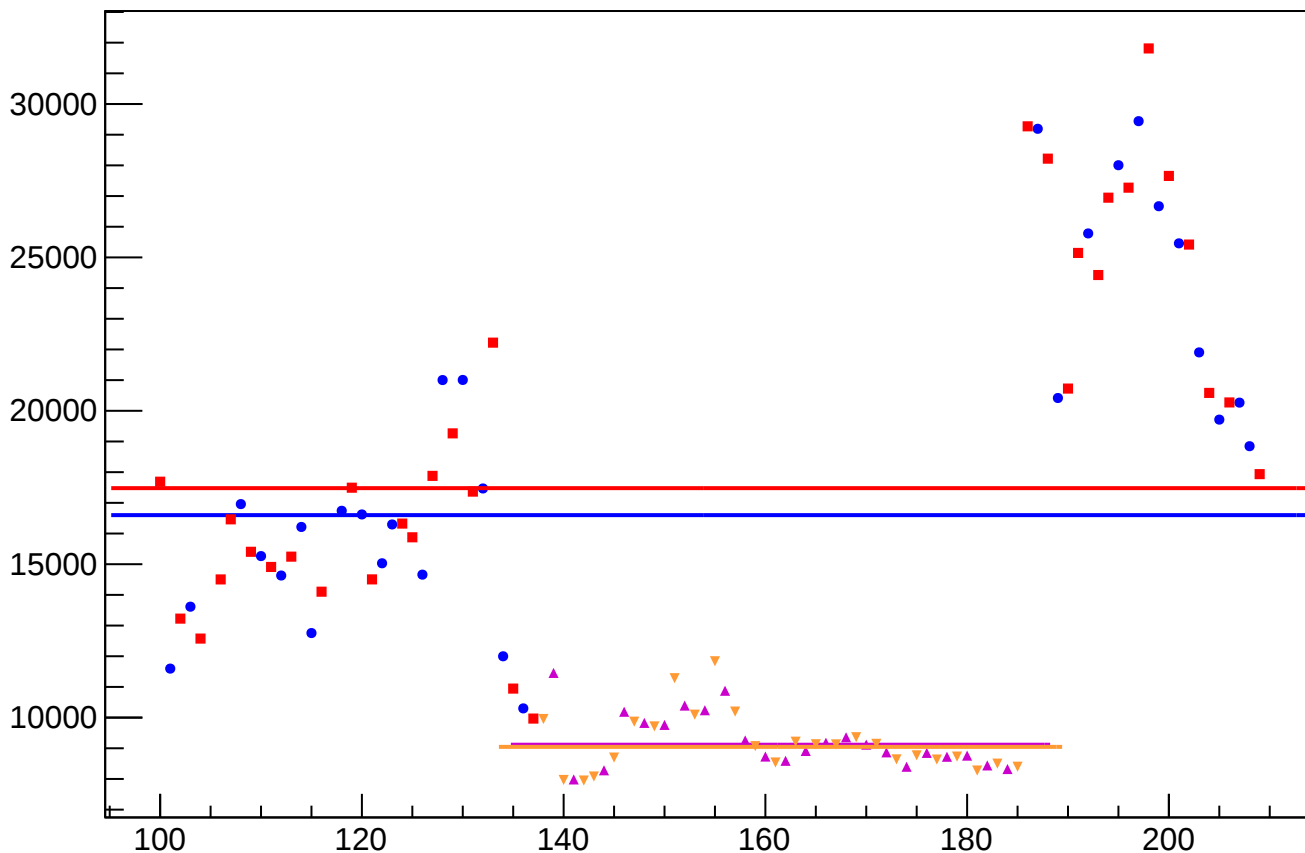
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -10.013 ± 1.927 χ^2/NDF : 93.9/52

All: -6.130 ± 1.383 χ^2/NDF : 159.4/107

- sign -2.008 ± 1.985 χ^2/NDF : 57.0/54

diff_bpm4acX_rms vs Slug



Right In: 16599.616+/-3.253 χ^2/NDF : 2601595.0/27

Left Out: 9045.871+/-1.500 χ^2/NDF : 328508.5/24

Right Out: 17478.943+/-3.255 χ^2/NDF : 2714814.9/31

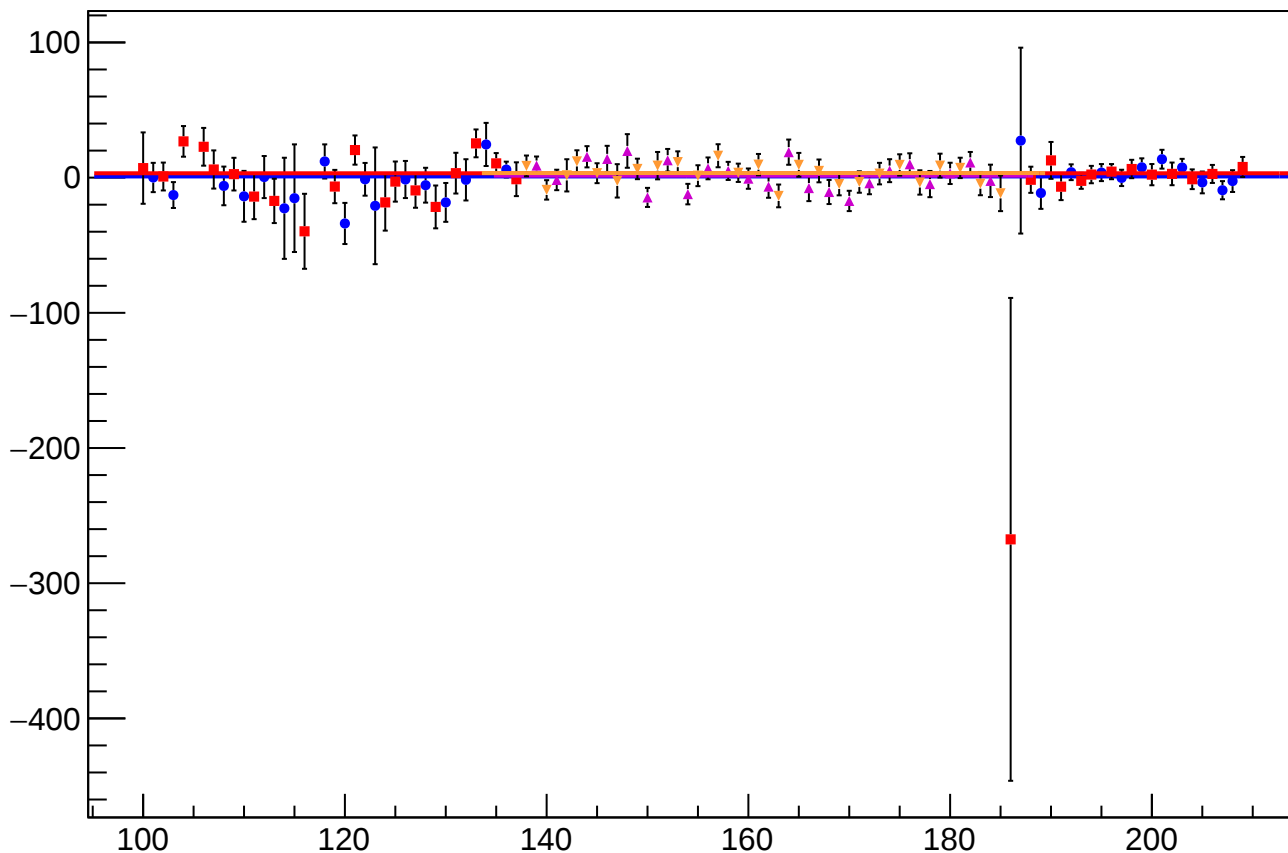
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 10370.586+/-1.362 χ^2/NDF : 7375709.4/52

All: 10516.343+/-0.978 χ^2/NDF : 15760554.0

- sign 10671.058+/-1.404 χ^2/NDF : 8361249.6/54

diff_bpm4acY_mean vs Slug



Right In: 0.882 ± 1.784 χ^2/NDF : 24.8/27

Left Out: 3.387 ± 1.668 χ^2/NDF : 19.4/24

Right Out: 3.231 ± 1.725 χ^2/NDF : 30.9/31

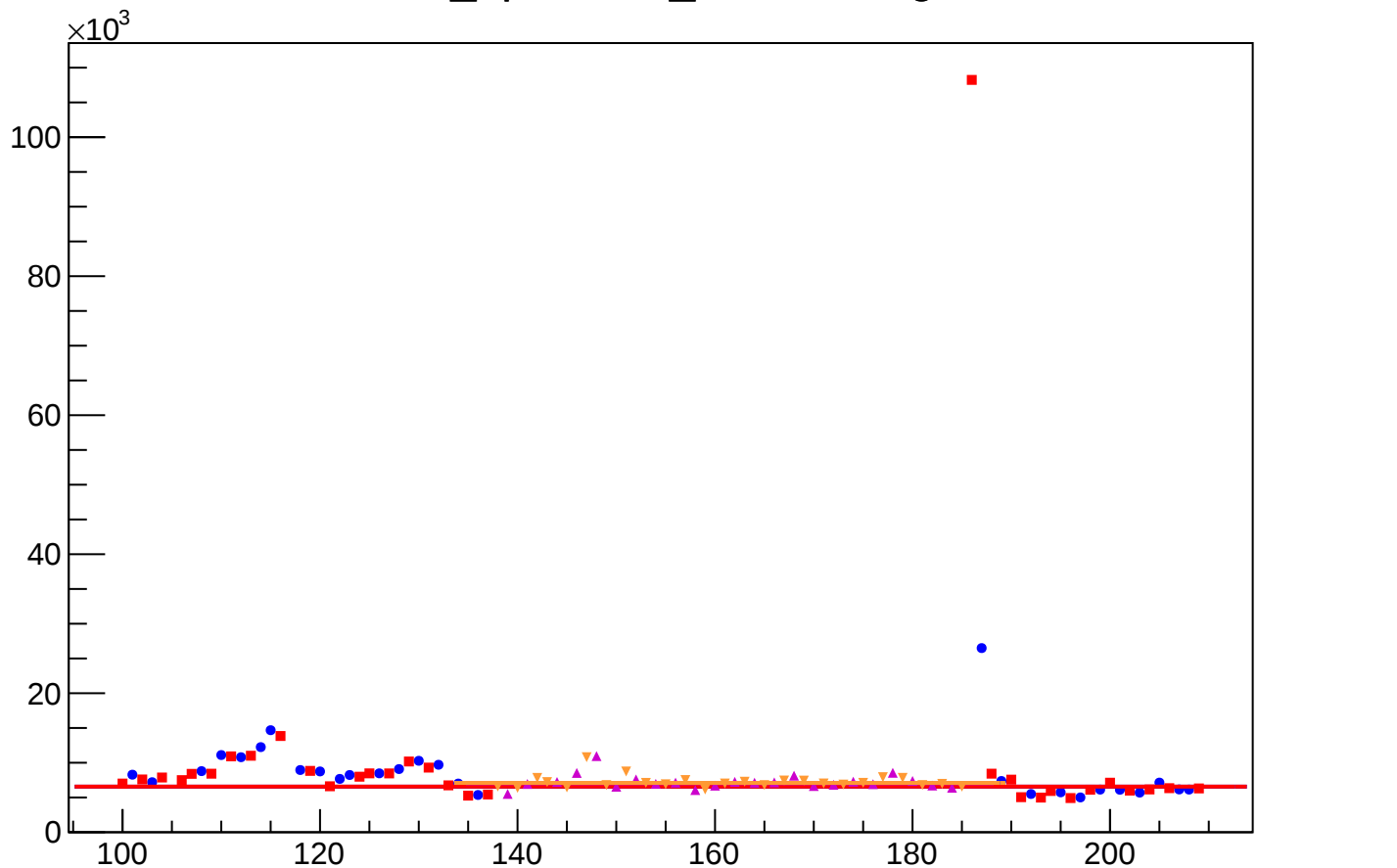
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

+ sign 2.219 ± 1.218 χ^2/NDF : 45.2/52

All: 2.284 ± 0.860 χ^2/NDF : 113.4/107

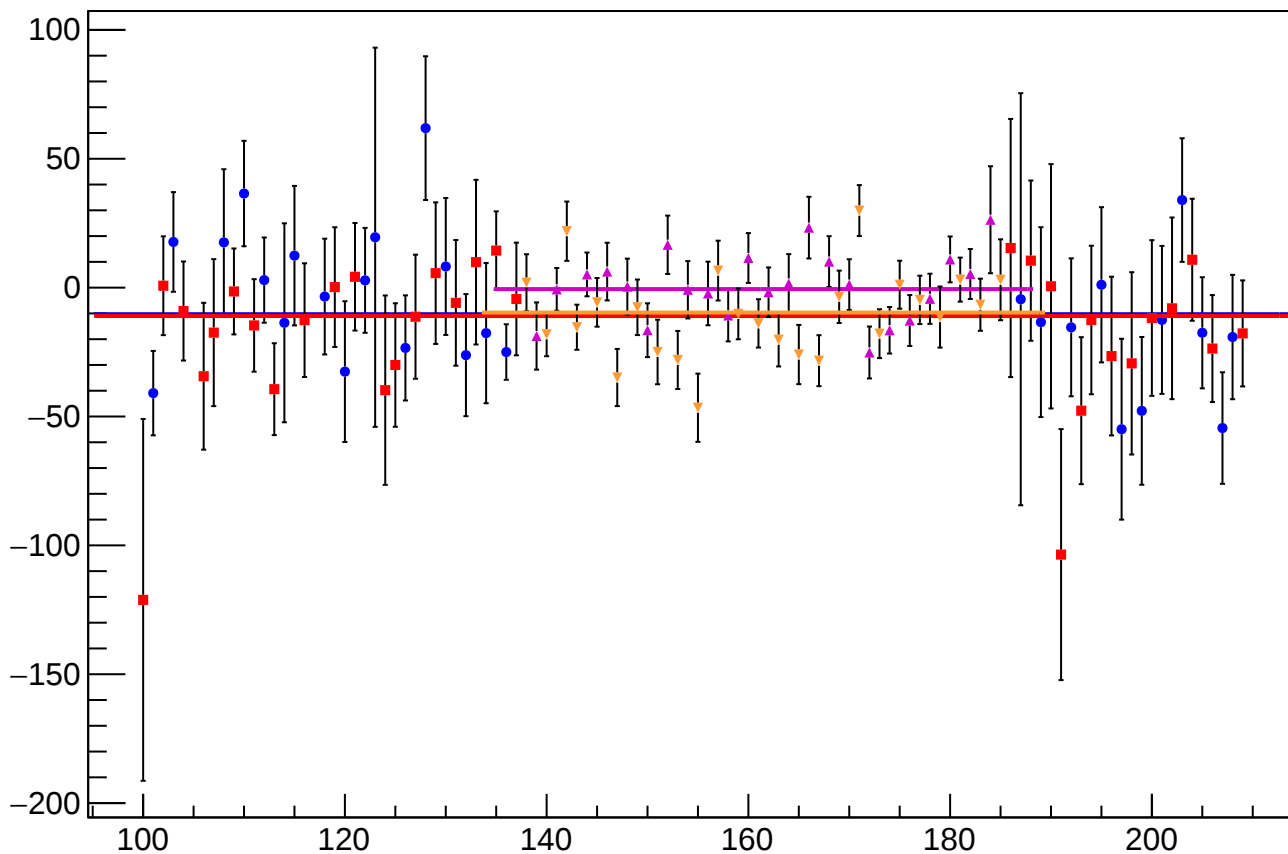
- sign 2.348 ± 1.214 χ^2/NDF : 68.2/54

diff_bpm4acY_rms vs Slug



Right In: 6554.873 ± 1.262	$\chi^2/\text{NDF}: 1540259.1/27$	+ sign 6843.826 ± 0.862	$\chi^2/\text{NDF}: 2020512.6/52$
Left Out: 7096.350 ± 1.179	$\chi^2/\text{NDF}: 381942.1/24$	All: 6825.767 ± 0.608	$\chi^2/\text{NDF}: 4727960.9/10$
Right Out: 6564.361 ± 1.219	$\chi^2/\text{NDF}: 2110073.5/31$	- sign 6807.828 ± 0.859	$\chi^2/\text{NDF}: 2706572.4/54$
Left In: 7047.269 ± 1.209	$\chi^2/\text{NDF}: 517433.5/22$		

diff_bpm4ecX_mean vs Slug



Right In: -10.312 ± 4.348 χ^2/NDF : 35.8/27

Left Out: -9.670 ± 2.061 χ^2/NDF : 57.9/24

Right Out: -11.015 ± 4.315 χ^2/NDF : 20.2/31

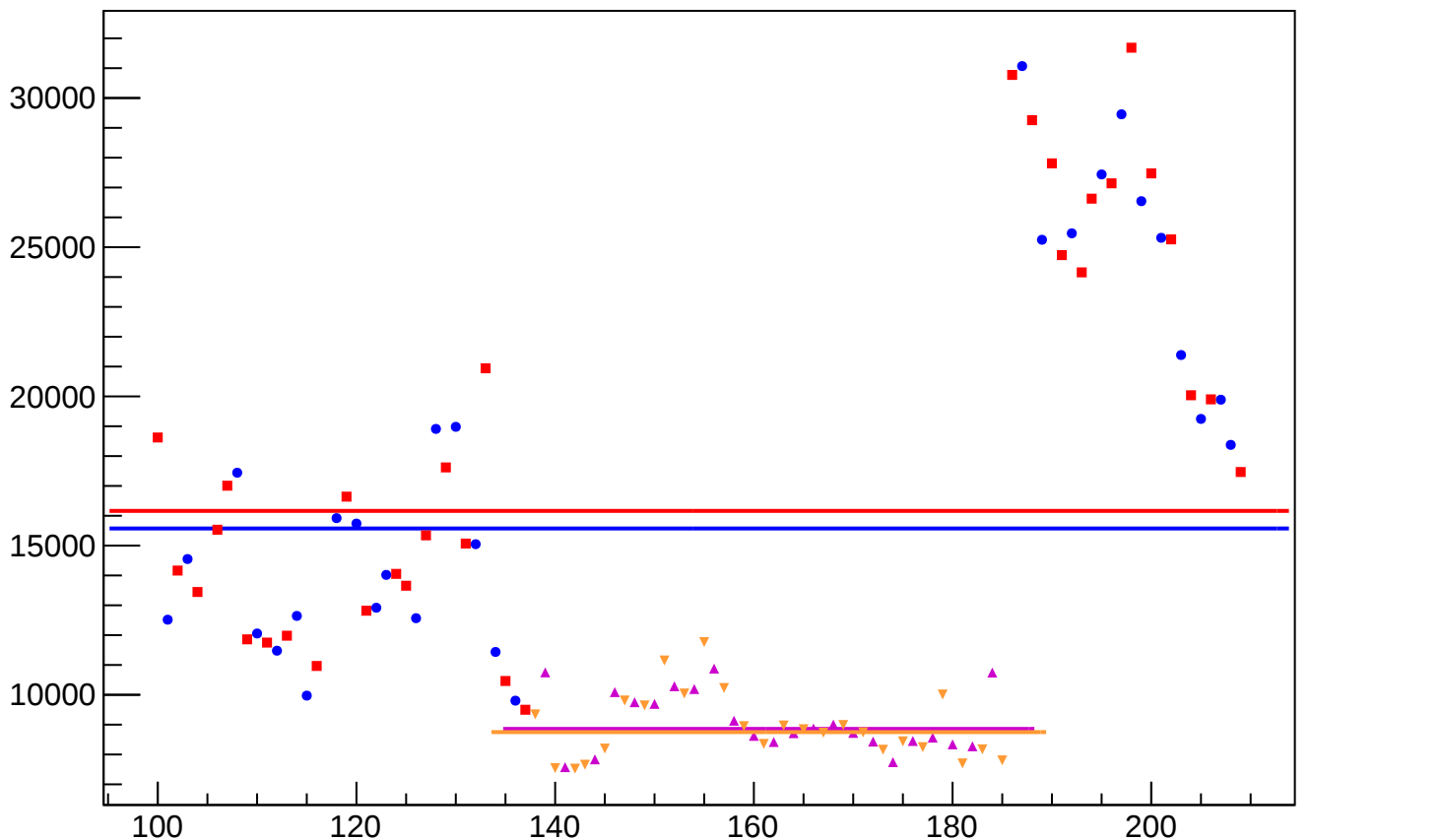
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.788 ± 1.862 χ^2/NDF : 93.8/52

All: -6.319 ± 1.337 χ^2/NDF : 155.5/107

- sign -2.633 ± 1.920 χ^2/NDF : 54.6/54

diff_bpm4ecX_rms vs Slug



Right In: 15574.069+/-3.075 χ^2/NDF : 3039521.2/27

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

Right Out: 16163.636+/-3.051 χ^2/NDF : 3453911.9/31

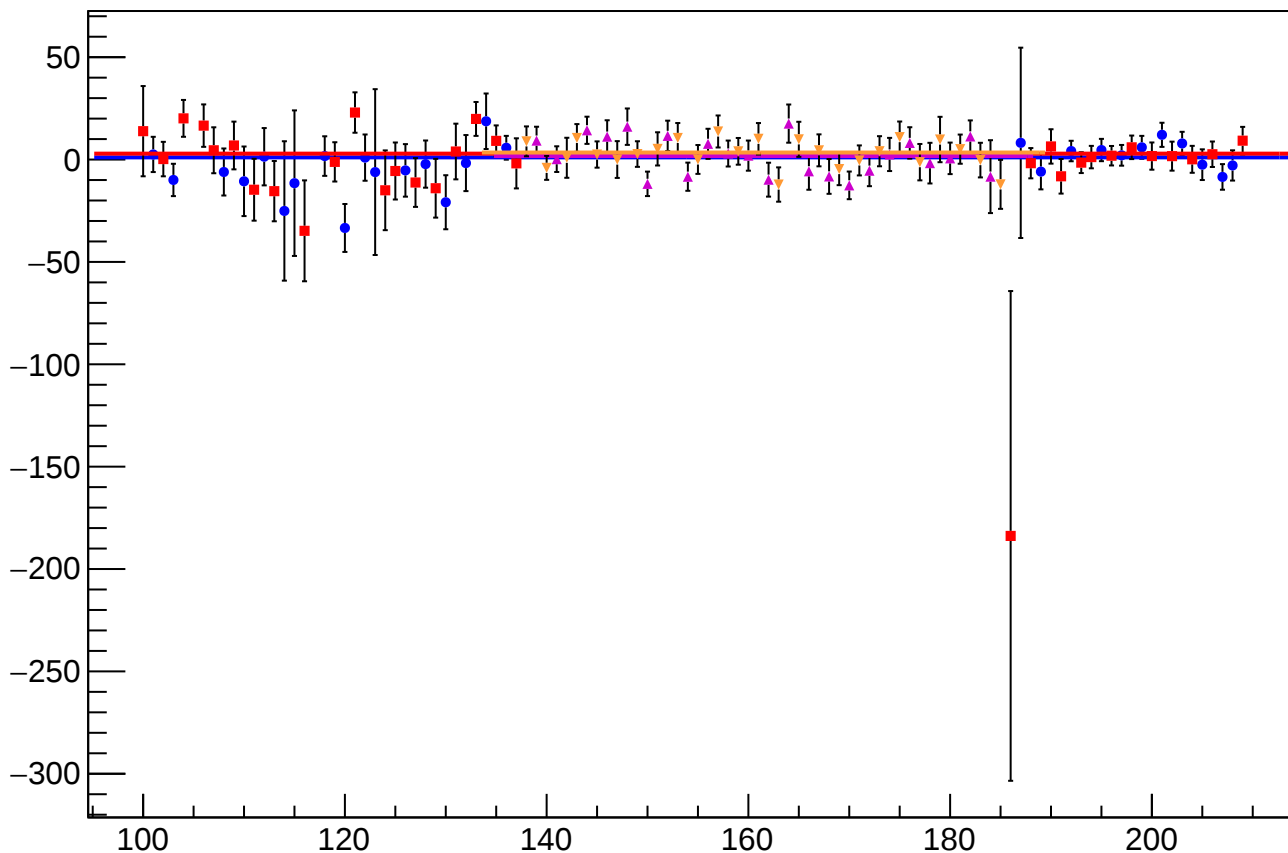
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 10001.795+/-1.317 χ^2/NDF : 7525329.2/52

All: 10148.104+/-0.945 χ^2/NDF : 15965538.0

- sign 10303.620+/-1.358 χ^2/NDF : 8414737.9/54

diff_bpm4ecY_mean vs Slug



Right In: 1.060 ± 1.555 χ^2/NDF : 27.8/27

Left Out: 3.433 ± 1.526 χ^2/NDF : 16.2/24

Right Out: 2.888 ± 1.482 χ^2/NDF : 31.5/31

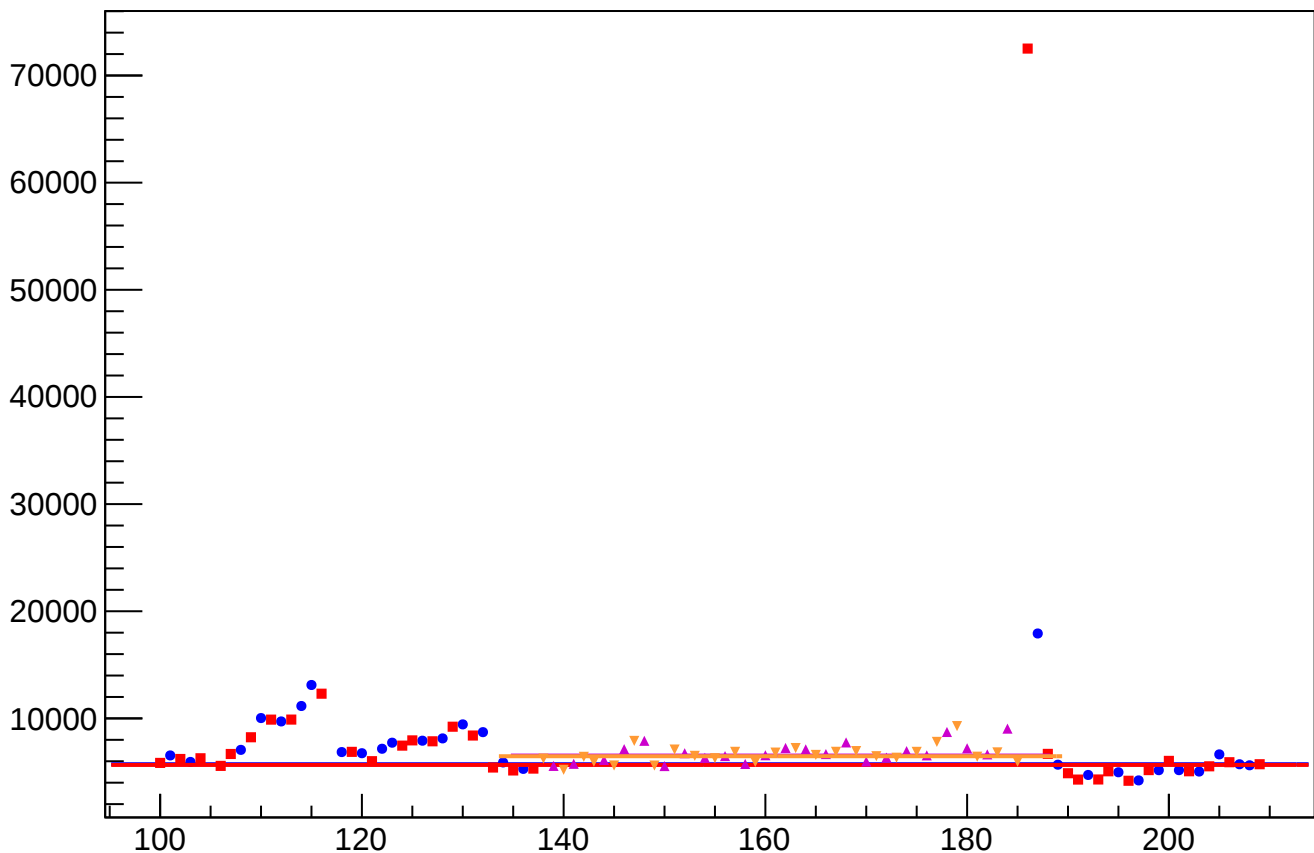
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 2.269 ± 1.089 χ^2/NDF : 45.2/52

All: 2.310 ± 0.768 χ^2/NDF : 110.6/107

- sign 2.350 ± 1.083 χ^2/NDF : 65.4/54

diff_bpm4ecY_rms vs Slug



Right In: 5723.193+/-1.100 χ^2/NDF : 1498841.1/27

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

Right Out: 5658.380+/-1.048 χ^2/NDF : 2123787.8/31

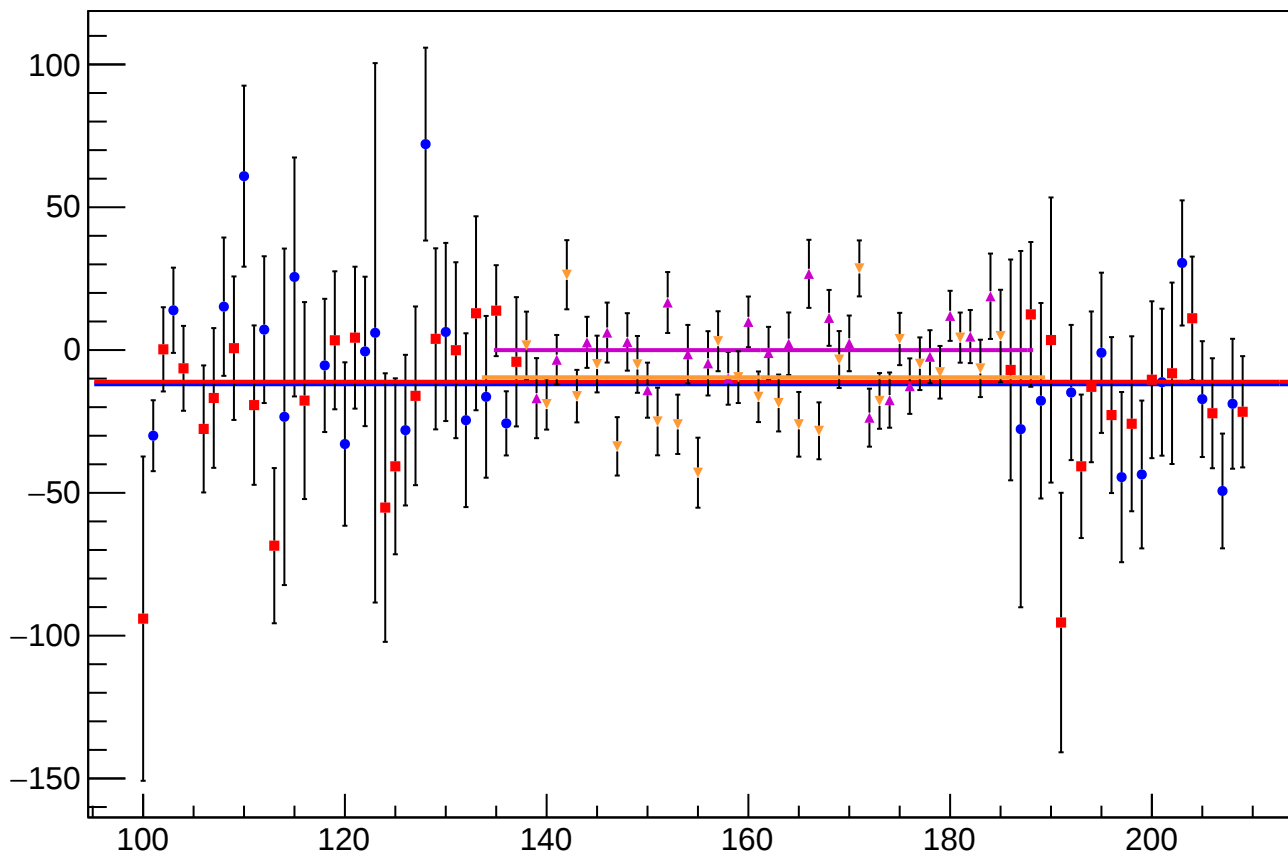
Left In: 6530.954+/-1.121 χ^2/NDF : 464668.6/22

+ sign 6103.176+/-0.770 χ^2/NDF : 2220339.0/52

All: 6084.092+/-0.543 χ^2/NDF : 5133201.3/10

- sign 6065.225+/-0.766 χ^2/NDF : 2911641.0/54

diff_bpm1X_mean vs Slug



Right In: -11.975 ± 4.407 χ^2/NDF : 32.8/27

Left Out: -9.528 ± 2.015 χ^2/NDF : 59.6/24

Right Out: -11.092 ± 4.419 χ^2/NDF : 22.1/31

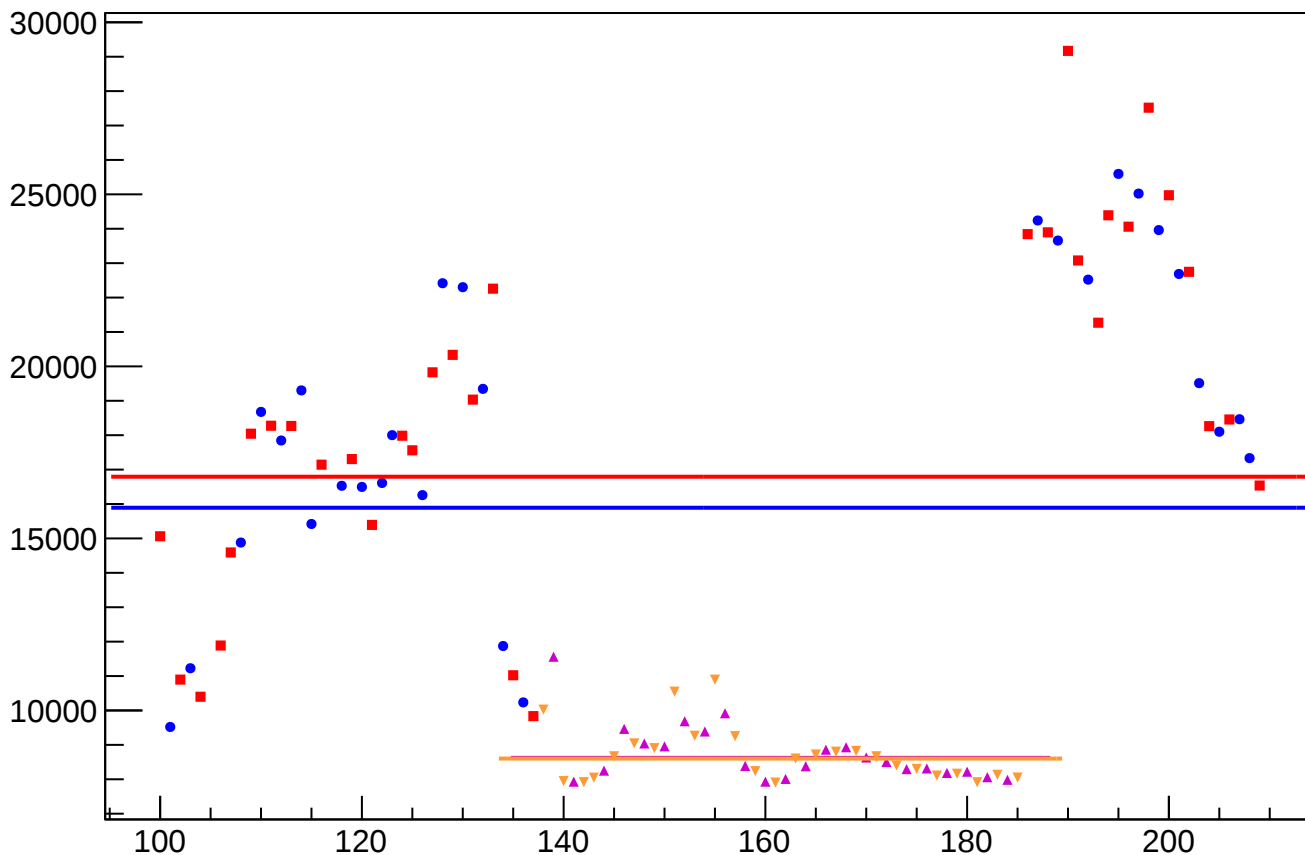
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -9.952 ± 1.833 χ^2/NDF : 92.6/52

All: -6.097 ± 1.313 χ^2/NDF : 158.8/107

- sign -2.033 ± 1.882 χ^2/NDF : 57.1/54

diff_bpm1X_rms vs Slug



Right In: 15891.788+/-3.116 χ^2/NDF : 2672987.0/27

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

Right Out: 16793.620+/-3.125 χ^2/NDF : 2662908.5/31

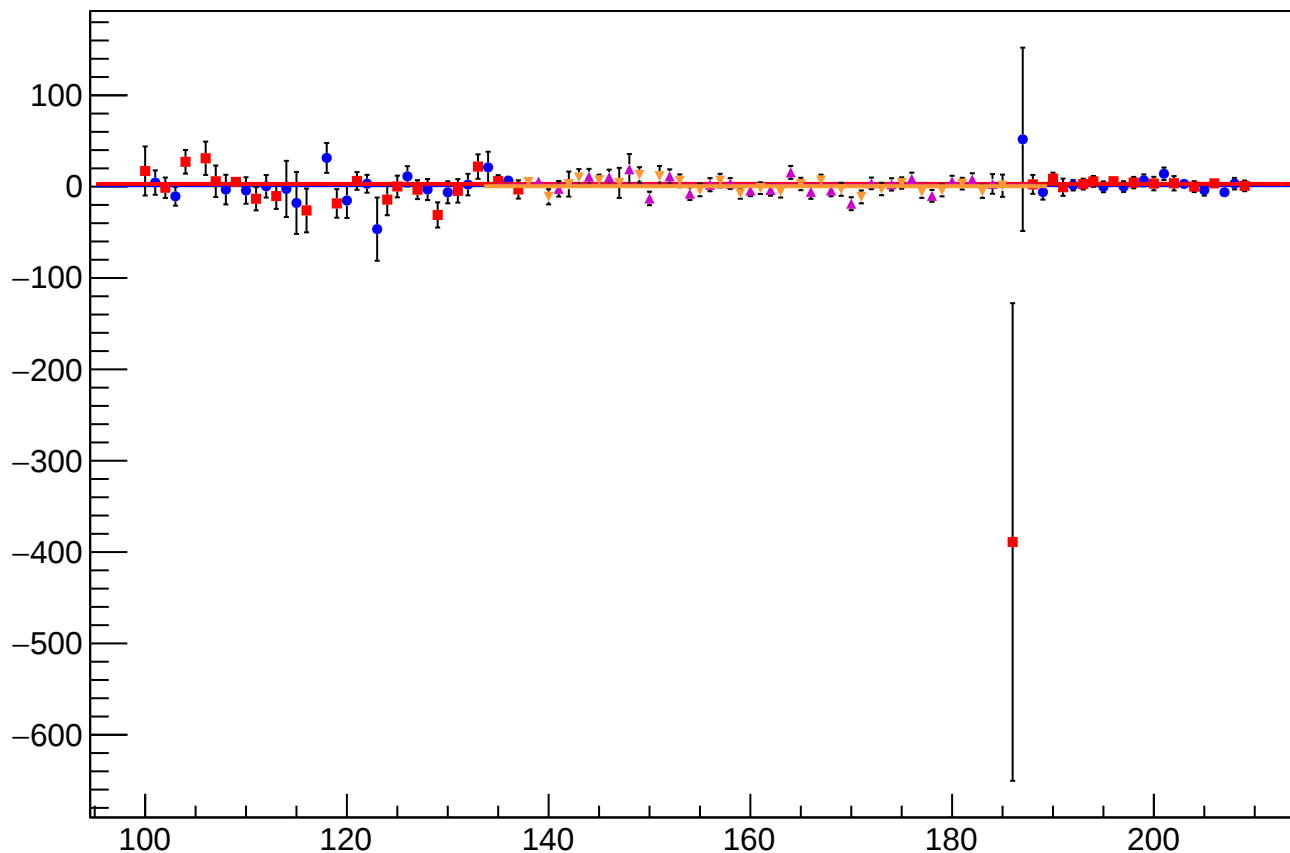
Left In: 8621.975+/-1.471 χ^2/NDF : 230824.4/22

+ sign 9862.845+/-1.296 χ^2/NDF : 7448640.6/52

All: 9980.084+/-0.928 χ^2/NDF : 15957306.6/1

- sign 10103.701+/-1.331 χ^2/NDF : 8491851.4/54

diff_bpm1Y_mean vs Slug



Right In: 1.635 ± 1.577 χ^2/NDF : 20.4/27

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

Right Out: 3.004 ± 1.474 χ^2/NDF : 27.1/31

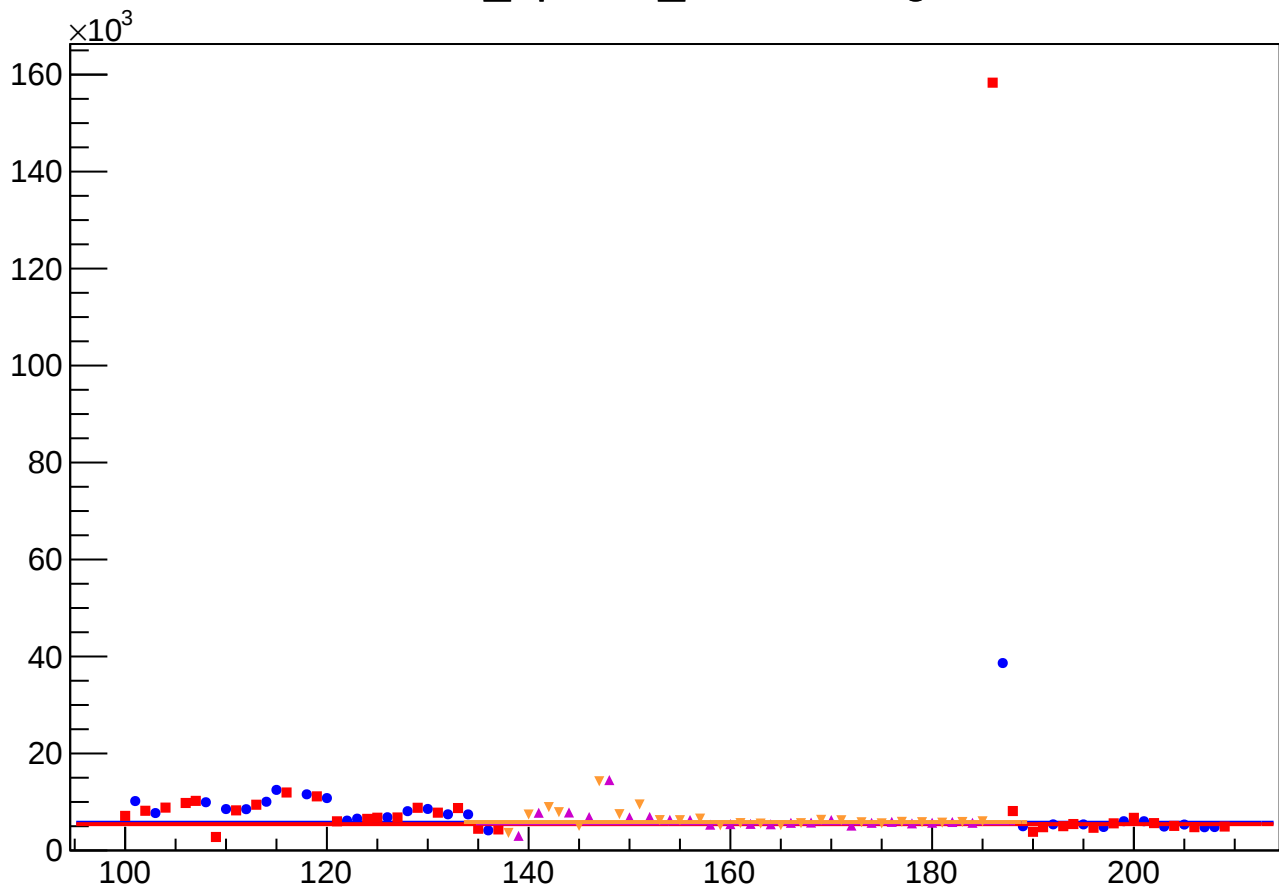
Left In: 1.298 ± 1.406 χ^2/NDF : 33.0/22

+ sign 0.997 ± 1.055 χ^2/NDF : 40.2/52

All: 1.574 ± 0.732 χ^2/NDF : 101.7/107

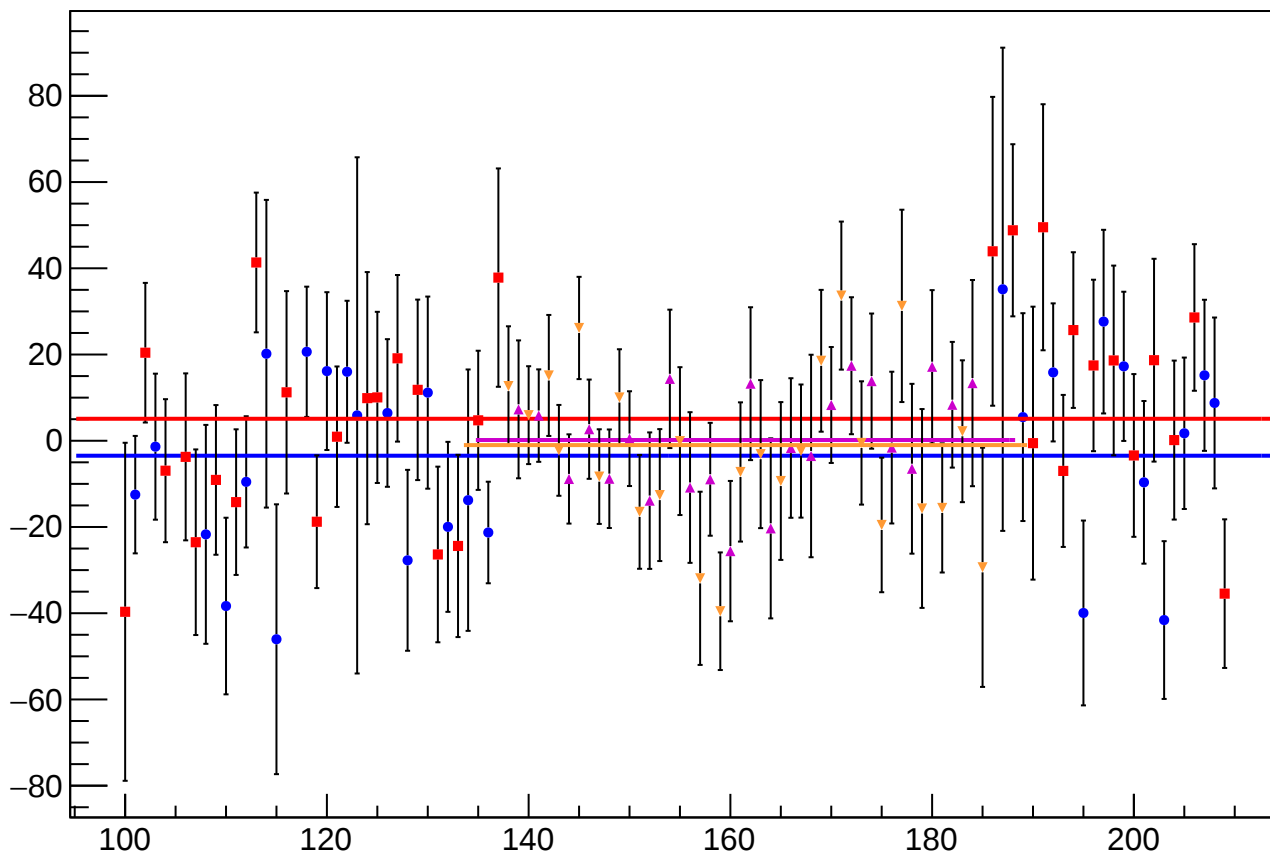
- sign 2.111 ± 1.017 χ^2/NDF : 60.9/54

diff_bpm1Y_rms vs Slug



Right In: 5717.465+/-1.115	χ^2/NDF : 2109510.1/27	+ sign 5795.451+/-0.746	χ^2/NDF : 3809712.4/52
Left Out: 5858.642+/-1.004	χ^2/NDF : 1691344.1/24	All: 5649.889+/-0.518	χ^2/NDF : 9435657.2/10
Right Out: 5424.030+/-1.042	χ^2/NDF : 3448280.1/31	- sign 5514.493+/-0.719	χ^2/NDF : 5552432.7/54
Left In: 5596.879+/-0.994	χ^2/NDF : 2089750.1/22		

diff_bpm11X_mean vs Slug



Right In: -3.470 ± 3.596 χ^2/NDF : 31.2/27

Left Out: -1.007 ± 2.942 χ^2/NDF : 33.5/24

Right Out: 5.099 ± 3.474 χ^2/NDF : 40.0/31

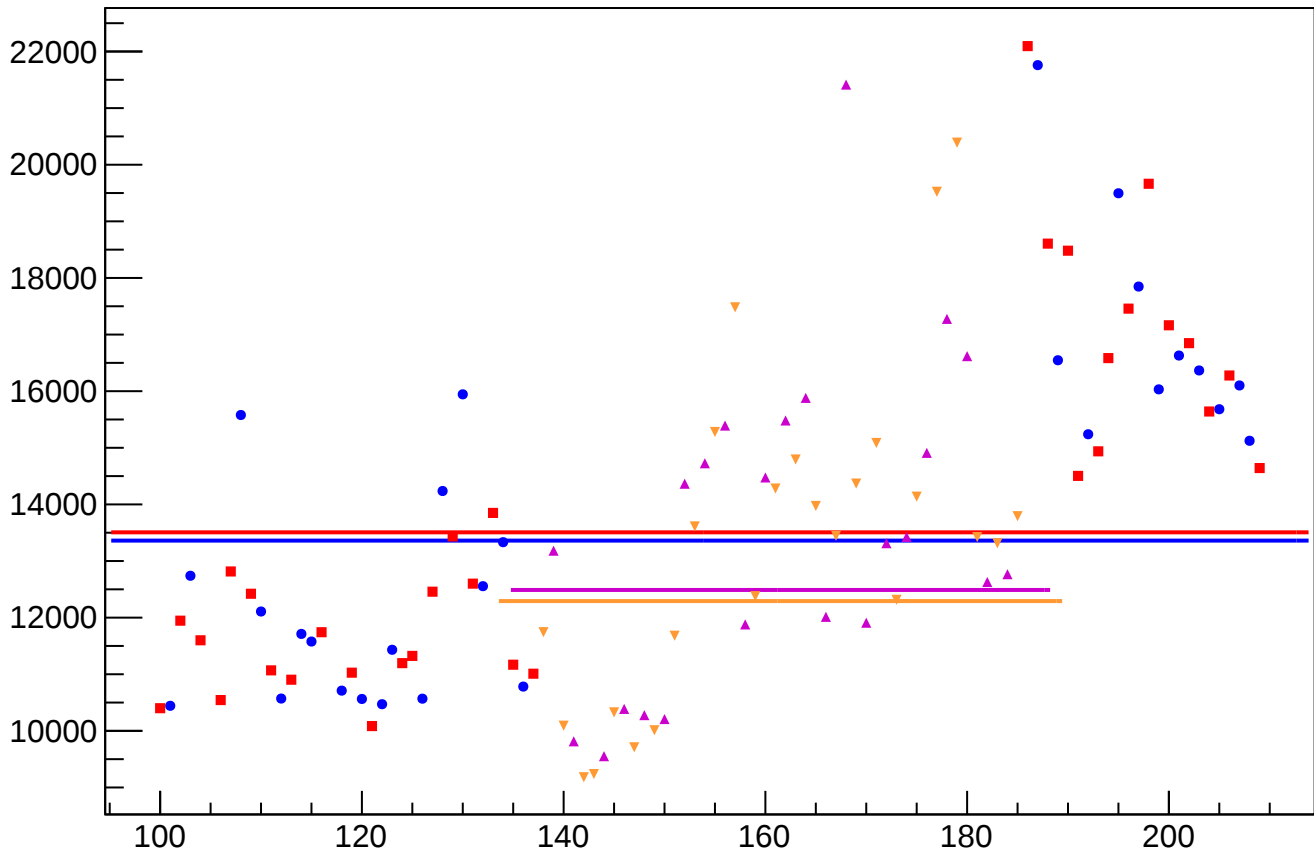
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -1.994 ± 2.277 χ^2/NDF : 65.0/52

All: 0.147 ± 1.618 χ^2/NDF : 120.2/107

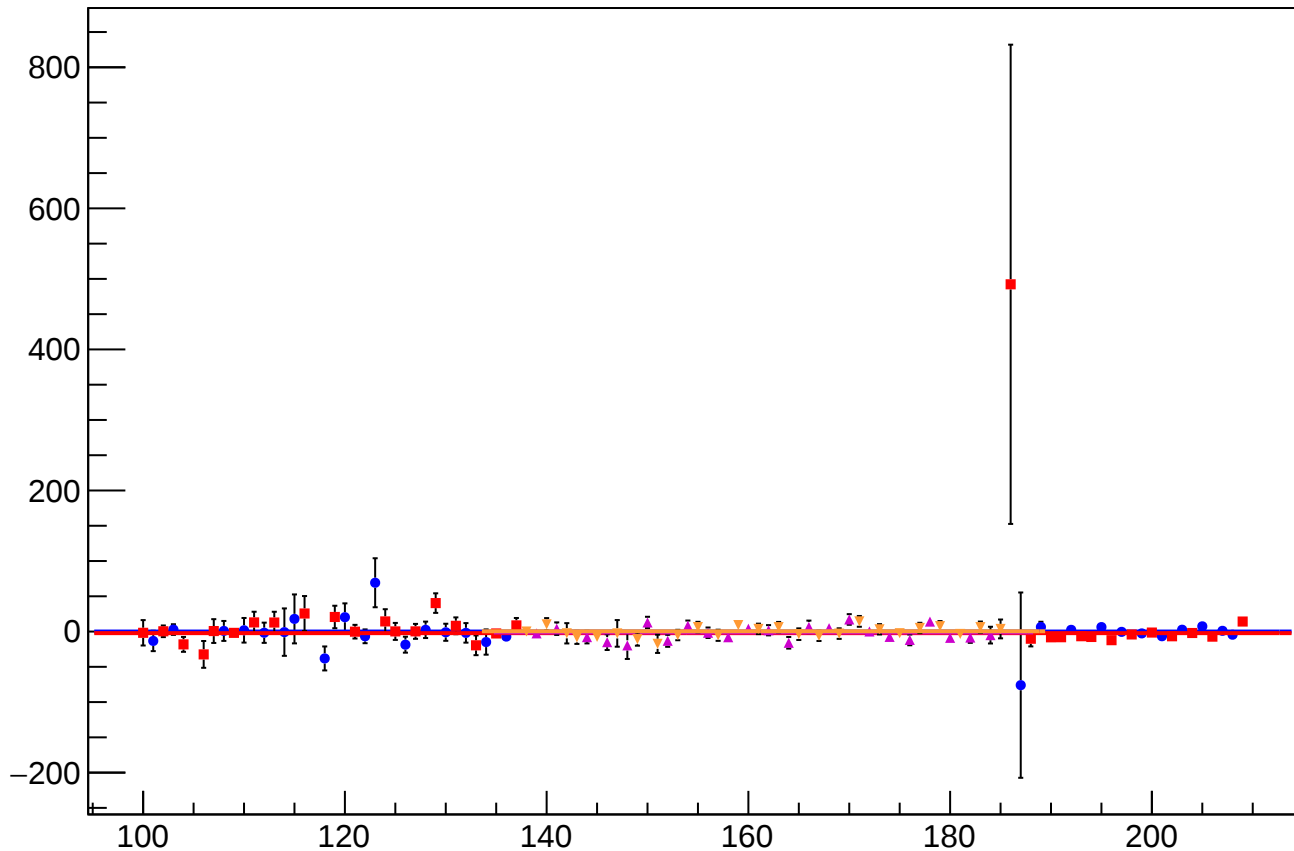
- sign 2.331 ± 2.299 χ^2/NDF : 53.5/54

diff_bpm11X_rms vs Slug



Right In: 13360.713+/-2.542	χ^2/NDF : 1171367.3/27	+ sign 12720.839+/-1.610	χ^2/NDF : 2779646.7/52
Left Out: 12292.583+/-2.080	χ^2/NDF : 1502548.3/24	All: 12826.762+/-1.144	χ^2/NDF : 5515299.4/52
Right Out: 13506.841+/-2.456	χ^2/NDF : 1275908.8/31	- sign 12934.791+/-1.626	χ^2/NDF : 2726908.7/54
Left In: 12488.821+/-2.169	χ^2/NDF : 1354485.4/22		

diff_bpm11Y_mean vs Slug



Right In: 0.015 ± 1.344 χ^2/NDF : 27.0/27

Left Out: 0.410 ± 1.435 χ^2/NDF : 19.3/24

Right Out: -2.247 ± 1.278 χ^2/NDF : 52.4/31

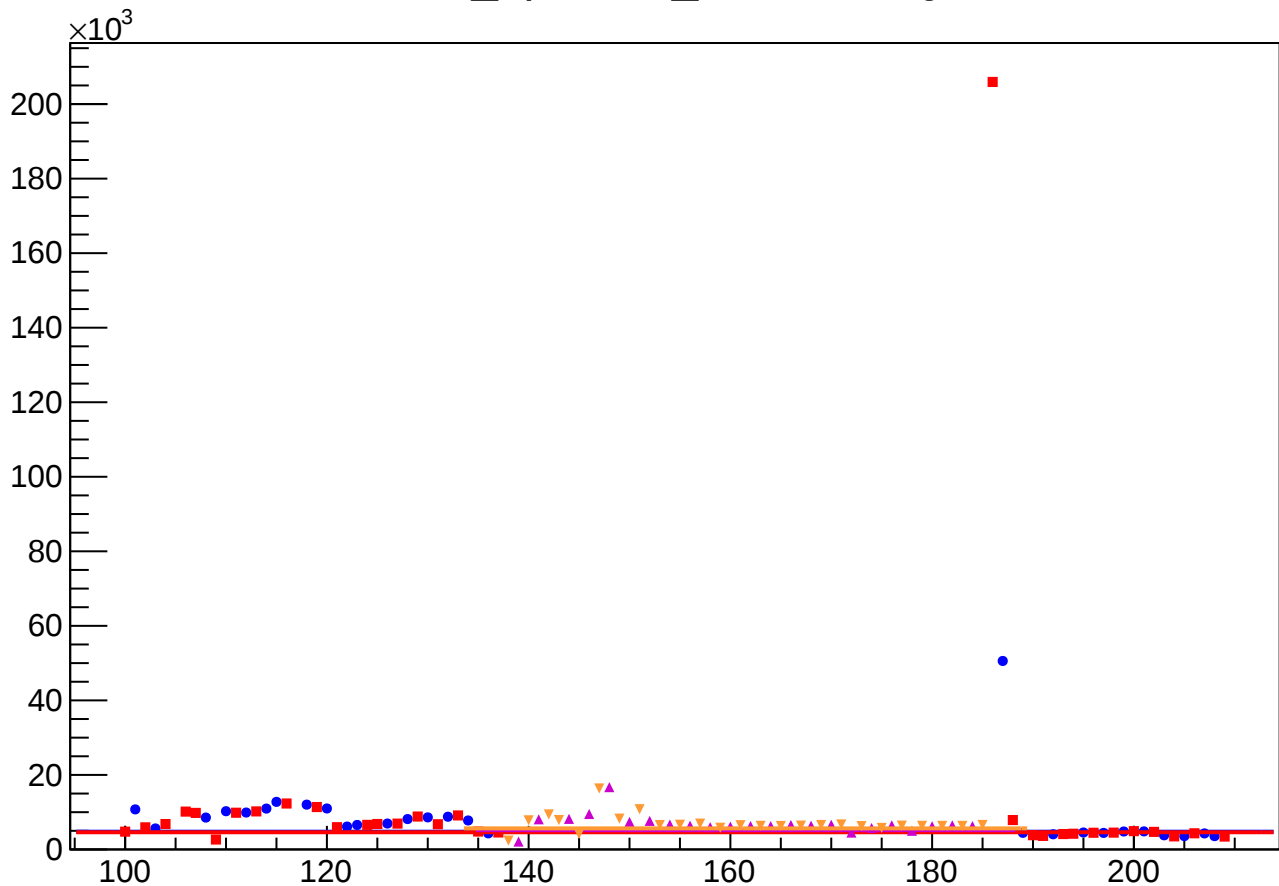
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign 0.200 ± 0.981 χ^2/NDF : 46.3/52

All: -0.844 ± 0.678 χ^2/NDF : 135.2/107

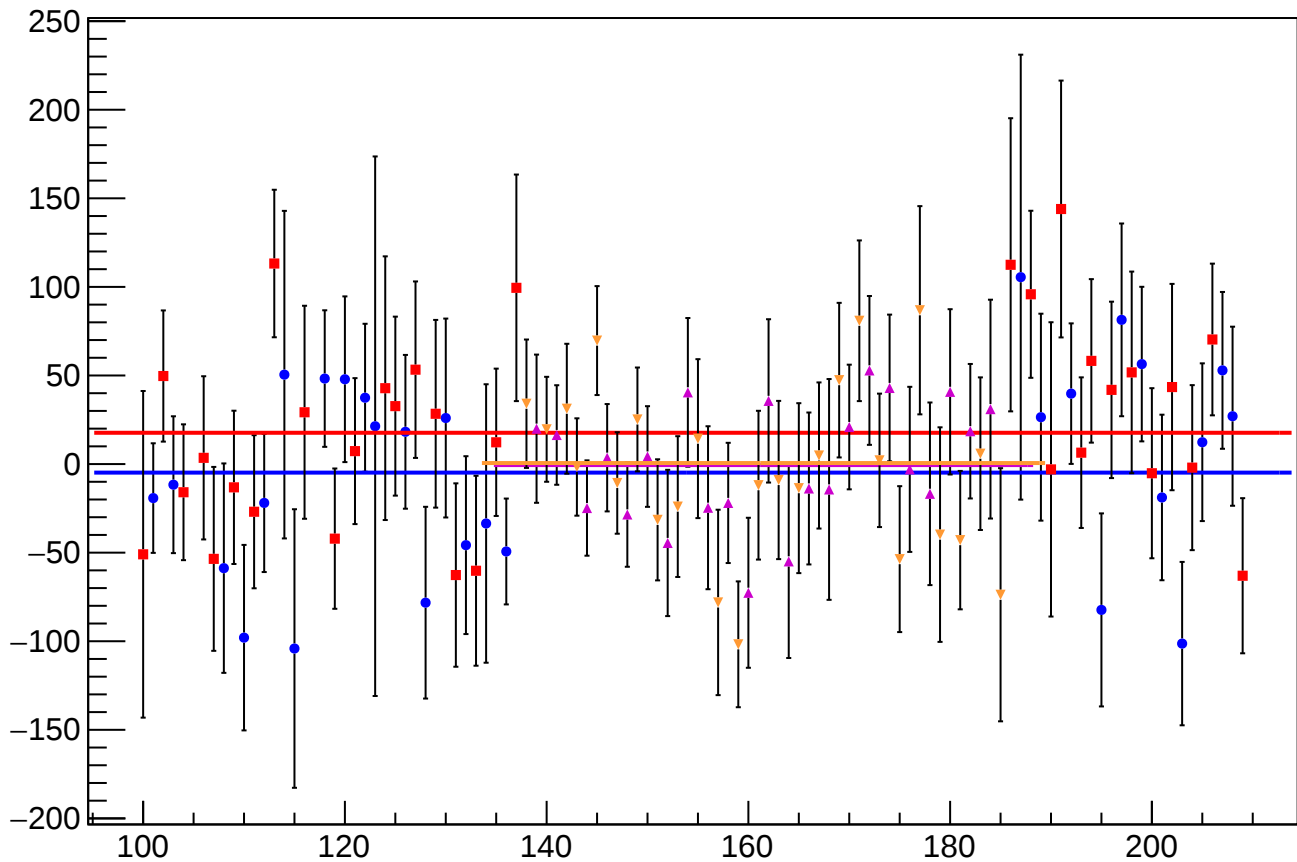
- sign -1.802 ± 0.939 χ^2/NDF : 86.7/54

diff_bpm11Y_rms vs Slug



Right In: 4760.076 ± 0.951 $\chi^2/\text{NDF}: 3177195.7/27$ + sign 5178.819 ± 0.694 $\chi^2/\text{NDF}: 7716296.5/52$
 Left Out: 5655.639 ± 1.014 $\chi^2/\text{NDF}: 4124124.3/24$ All: 5020.585 ± 0.480 $\chi^2/\text{NDF}: 17246864.2/100$
 Right Out: 4615.939 ± 0.904 $\chi^2/\text{NDF}: 3901185.3/31$ - sign 4875.485 ± 0.664 $\chi^2/\text{NDF}: 9430810.8/54$
 Left In: 5180.743 ± 0.980 $\chi^2/\text{NDF}: 5350053.6/22$

diff_bpm12X_mean vs Slug



Right In: -4.823 ± 8.963 χ^2/NDF : 31.6/27

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

Right Out: 17.665 ± 8.664 χ^2/NDF : 34.3/31

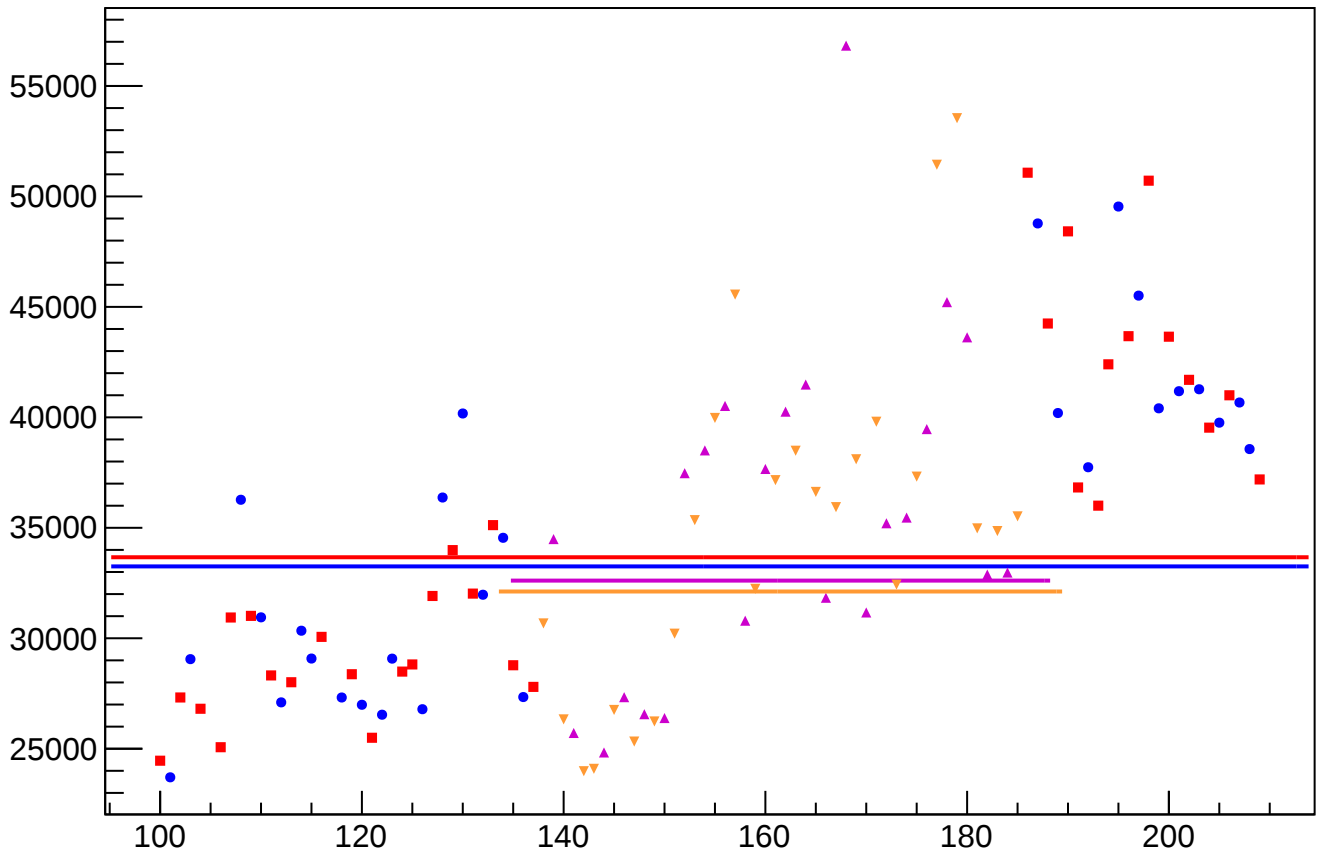
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign -1.711 ± 5.837 χ^2/NDF : 62.8/52

All: 3.027 ± 4.144 χ^2/NDF : 115.1/107

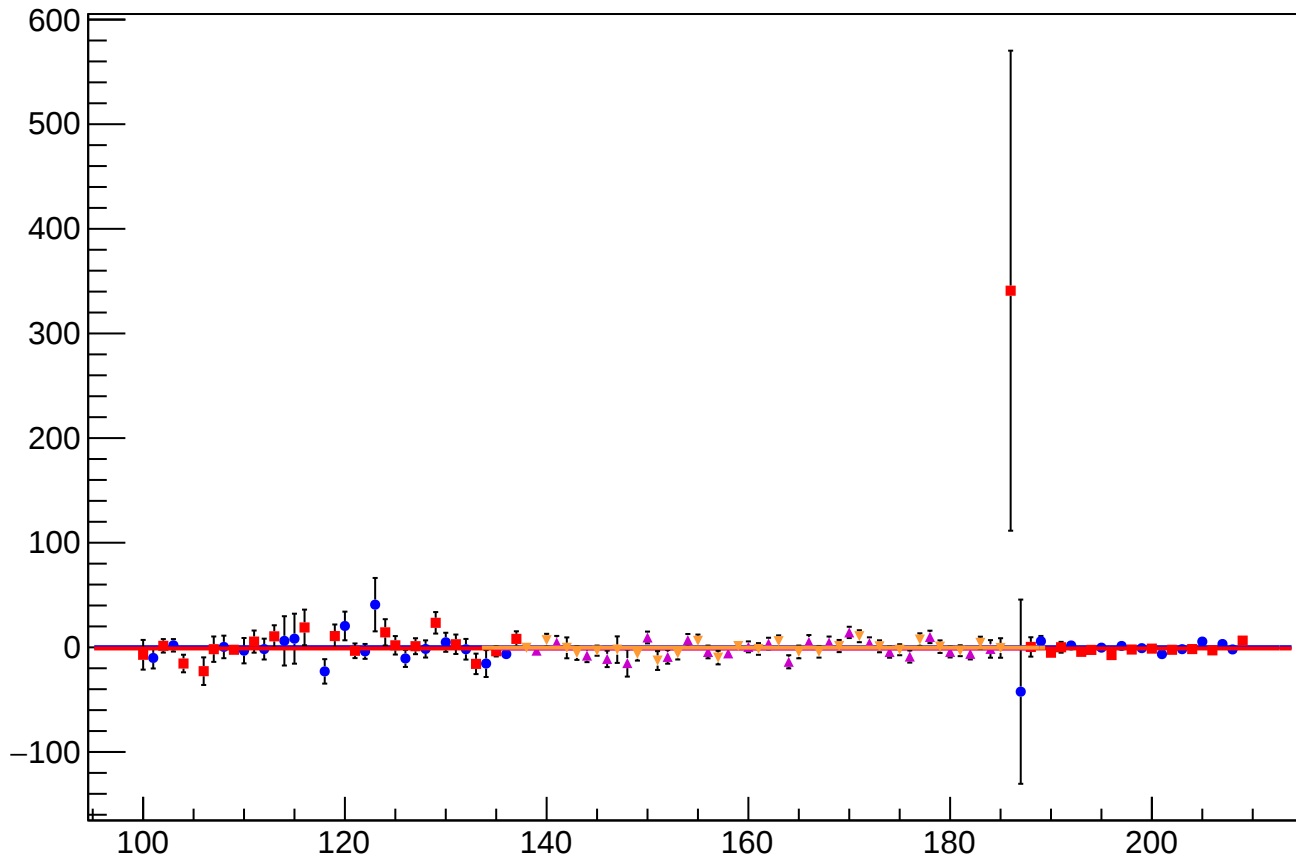
- sign 7.841 ± 5.883 χ^2/NDF : 51.0/54

diff_bpm12X_rms vs Slug



Right In: 33252.798 $\pm$ 6.338	χ^2 /NDF: 1236586.6/27	+ sign 32598.721 $\pm$ 4.127	χ^2 /NDF: 2791818.2/52
Left Out: 32117.184 $\pm$ 5.438	χ^2 /NDF: 1536740.0/24	All: 32846.128 $\pm$ 2.930	χ^2 /NDF: 5529070.4/1
Right Out: 33667.108 $\pm$ 6.126	χ^2 /NDF: 1315489.8/31	- sign 33097.515 $\pm$ 4.160	χ^2 /NDF: 2730007.0/54
Left In: 32610.108 $\pm$ 5.667	χ^2 /NDF: 1398475.8/22		

diff_bpm12Y_mean vs Slug



Right In: 0.143 ± 0.820 χ^2/NDF : 32.6/27

Left Out: -0.255 ± 1.173 χ^2/NDF : 18.0/24

Right Out: -1.068 ± 0.820 χ^2/NDF : 43.2/31

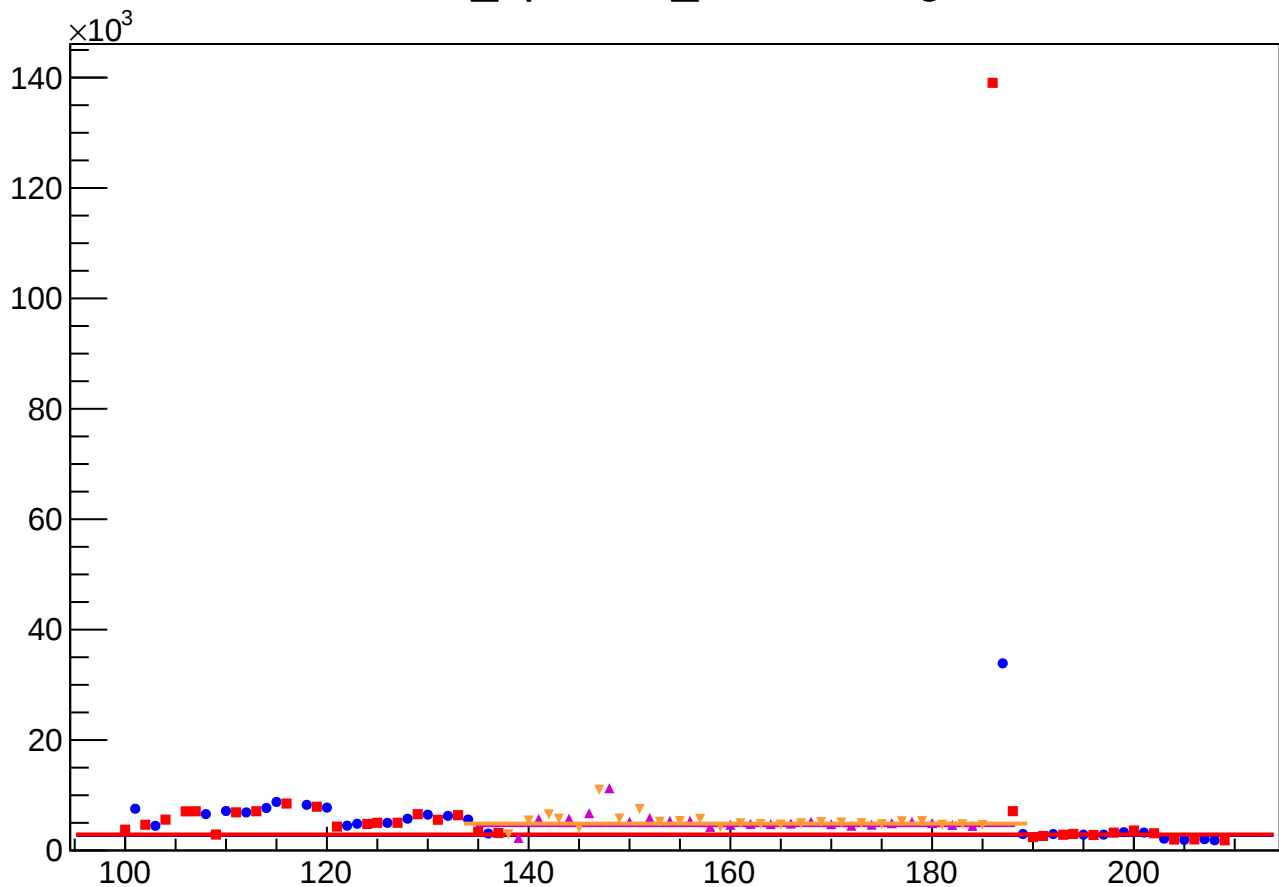
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign 0.012 ± 0.672 χ^2/NDF : 50.7/52

All: -0.506 ± 0.474 χ^2/NDF : 131.2/107

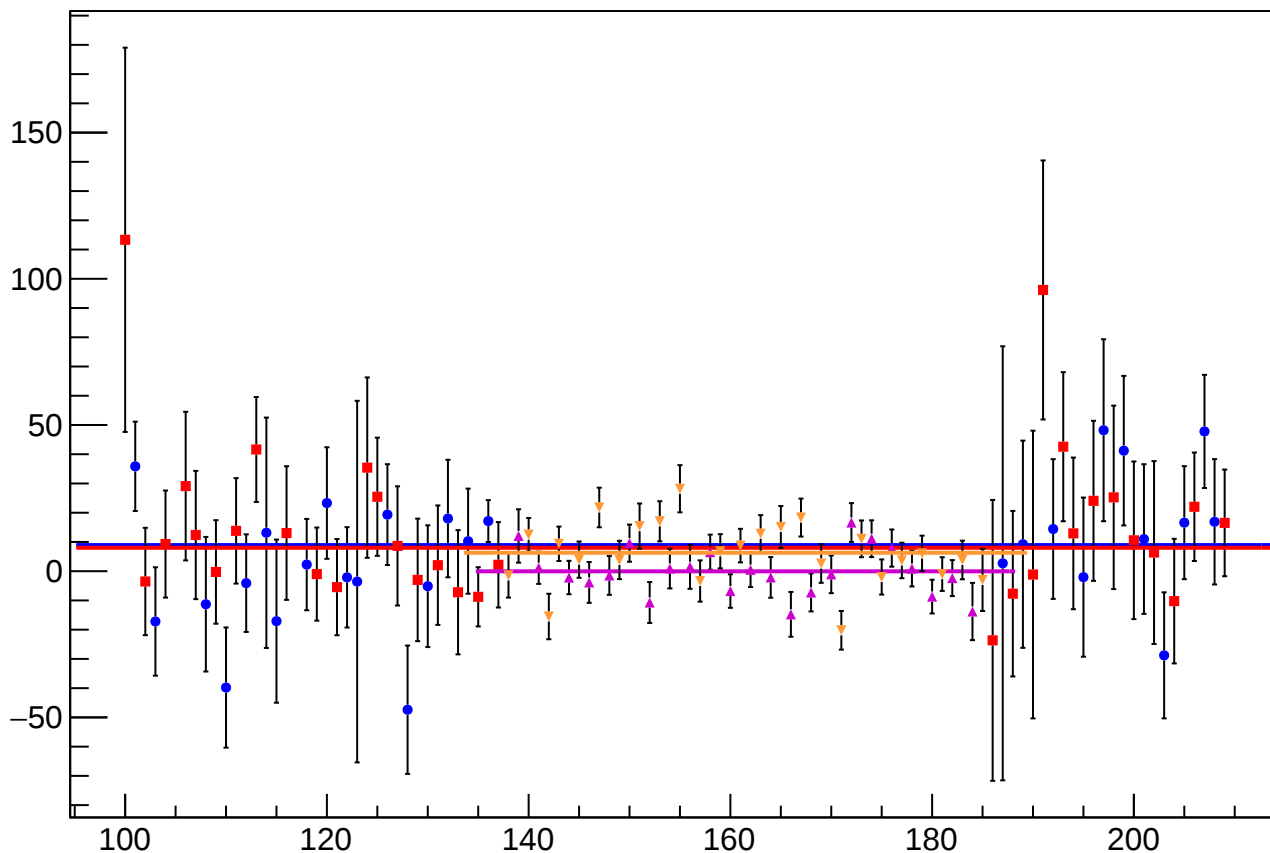
- sign -1.020 ± 0.669 χ^2/NDF : 79.4/54

diff_bpm12Y_rms vs Slug



Right In: 2801.507 ± 0.580 $\chi^2/\text{NDF}: 4939657.0/27$ + sign 3479.497 ± 0.475 $\chi^2/\text{NDF}: 10615400.2/52$
 Left Out: 4866.528 ± 0.829 $\chi^2/\text{NDF}: 1511486.2/24$ All: 3470.141 ± 0.335 $\chi^2/\text{NDF}: 21460650.7/1$
 Right Out: 2893.818 ± 0.580 $\chi^2/\text{NDF}: 5521073.8/31$ - sign 3460.881 ± 0.473 $\chi^2/\text{NDF}: 10844479.3/54$
 Left In: 4582.193 ± 0.816 $\chi^2/\text{NDF}: 2478681.0/22$

diff_bpm16X_mean vs Slug



Right In: 8.929 ± 3.577 χ^2/NDF : 33.9/27

Left Out: 6.302 ± 1.313 χ^2/NDF : 56.7/24

Right Out: 8.016 ± 3.665 χ^2/NDF : 22.7/31

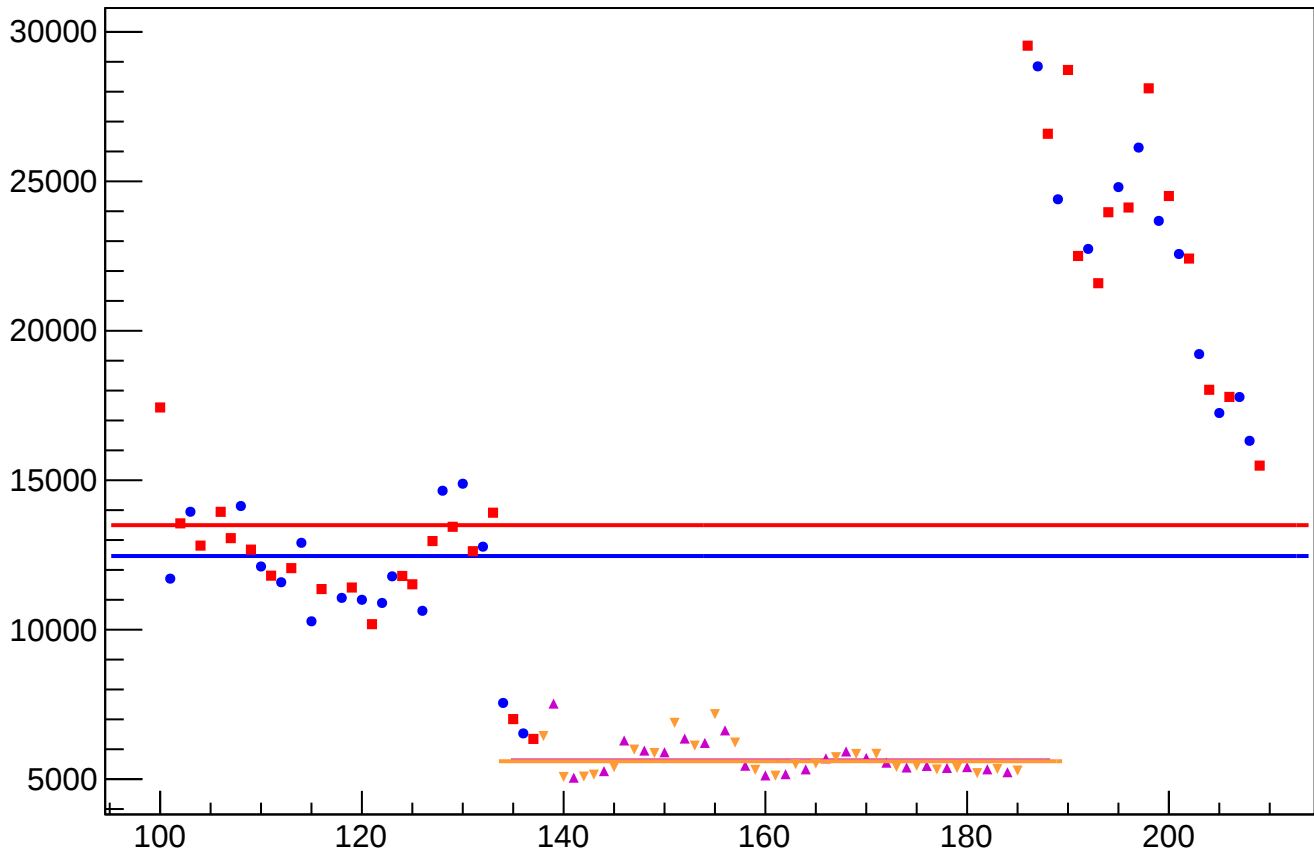
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

+ sign 6.614 ± 1.232 χ^2/NDF : 91.1/52

All: 3.864 ± 0.885 χ^2/NDF : 158.3/107

- sign 0.929 ± 1.273 χ^2/NDF : 57.0/54

diff_bpm16X_rms vs Slug



Right In: 12464.555+/-2.529 χ^2/NDF : 4408218.4/27

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

Right Out: 13497.182+/-2.591 χ^2/NDF : 4417169.1/31

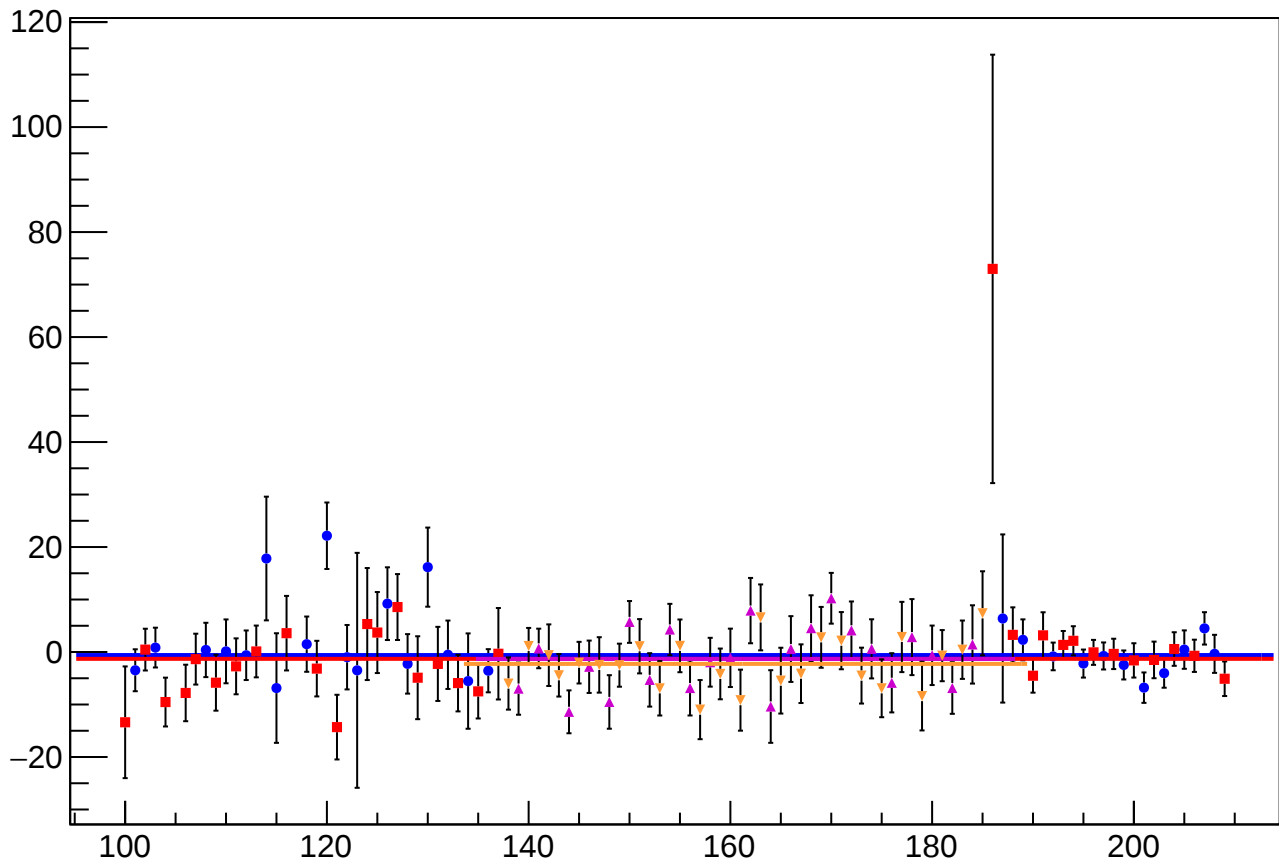
Left In: 5625.163+/-0.960 χ^2/NDF :272563.5/22

+ sign 6413.504+/-0.871 χ^2/NDF : 11185175.3/52

All: 6491.767+/-0.626 χ^2/NDF : 24006466.9/100

- sign 6575.316+/-0.900 χ^2/NDF : 12804610.6/54

diff_bpm16Y_mean vs Slug



Right In: -0.578 ± 0.778 χ^2/NDF : 35.0/27

Left Out: -2.262 ± 1.030 χ^2/NDF : 15.5/24

Right Out: -1.298 ± 0.748 χ^2/NDF : 28.4/31

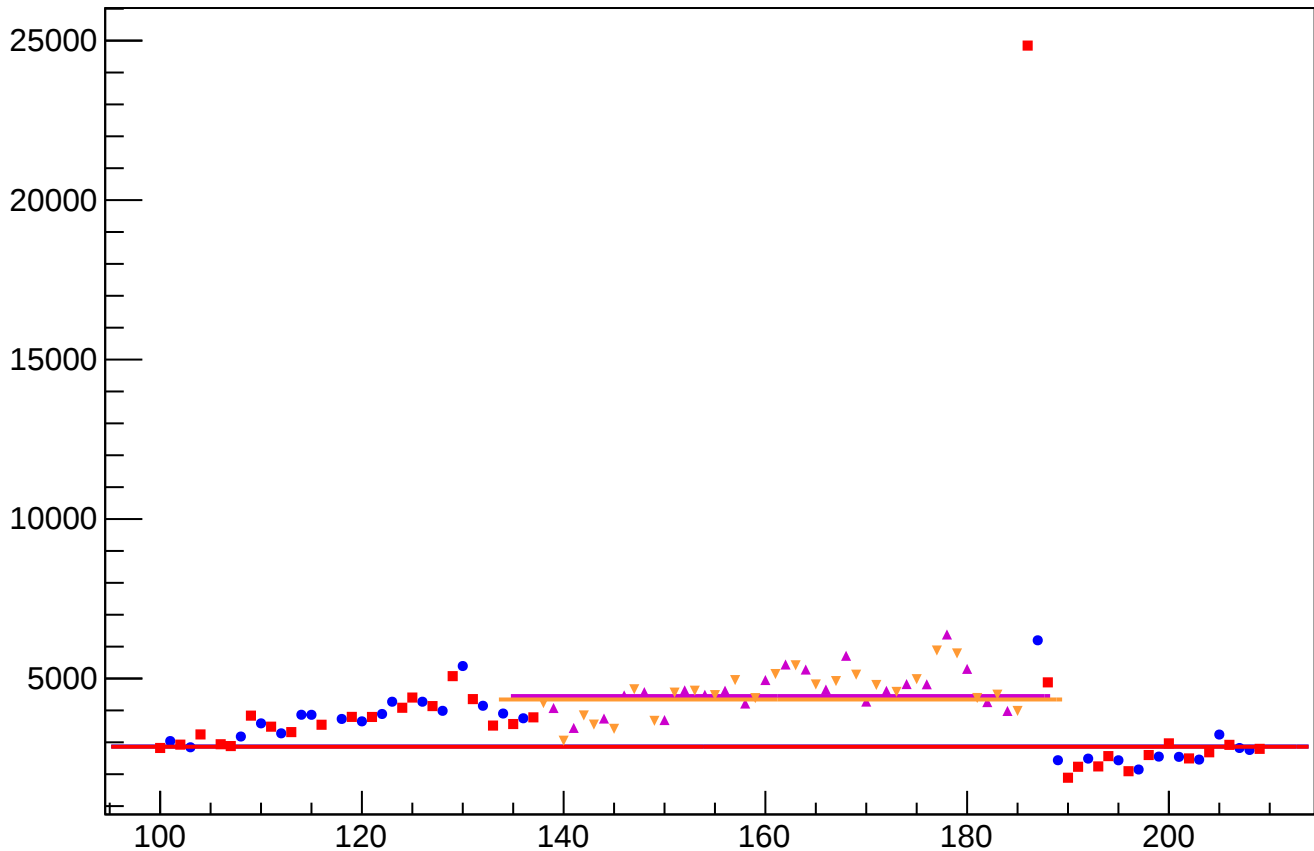
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.189 ± 0.621 χ^2/NDF : 52.2/52

All: -1.249 ± 0.437 χ^2/NDF : 111.2/107

- sign -1.308 ± 0.616 χ^2/NDF : 59.0/54

diff_bpm16Y_rms vs Slug



Right In: 2869.257 $\pm$ 0.550 χ^2 /NDF: 1294948.2/27

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

Right Out: 2860.959 $\pm$ 0.529 χ^2 /NDF: 2265079.5/31

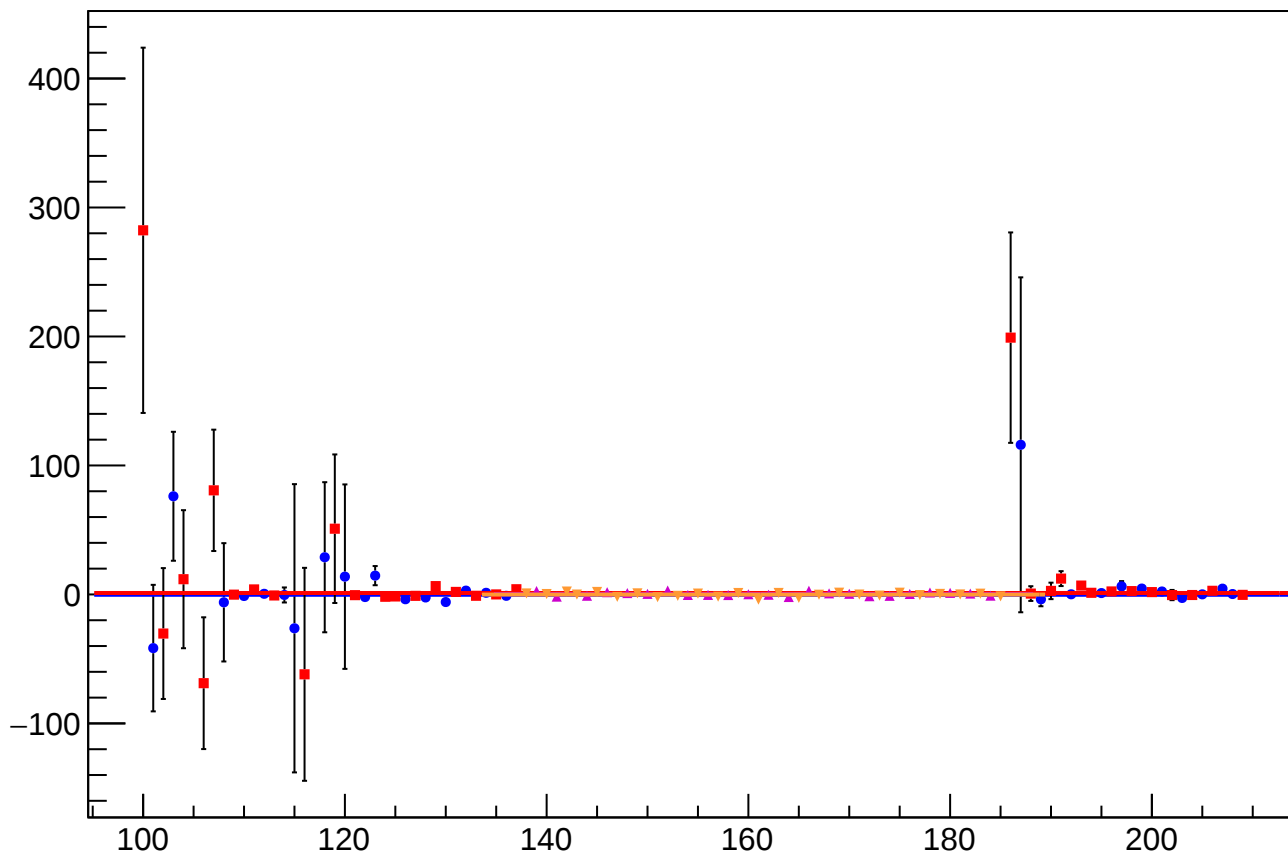
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF:693229.8/22

+ sign 3404.172 $\pm$ 0.439 χ^2 /NDF: 4893931.7/52

All: 3389.572 $\pm$ 0.309 χ^2 /NDF: 10772066.3/100

- sign 3375.214 $\pm$ 0.435 χ^2 /NDF: 5875939.9/54

diff_bpm1p02bX_mean vs Slug



Right In: -0.257 ± 0.584 χ^2/NDF : 31.6/27

Left Out: -0.092 ± 0.249 χ^2/NDF : 34.4/24

Right Out: 1.124 ± 0.568 χ^2/NDF : 36.0/31

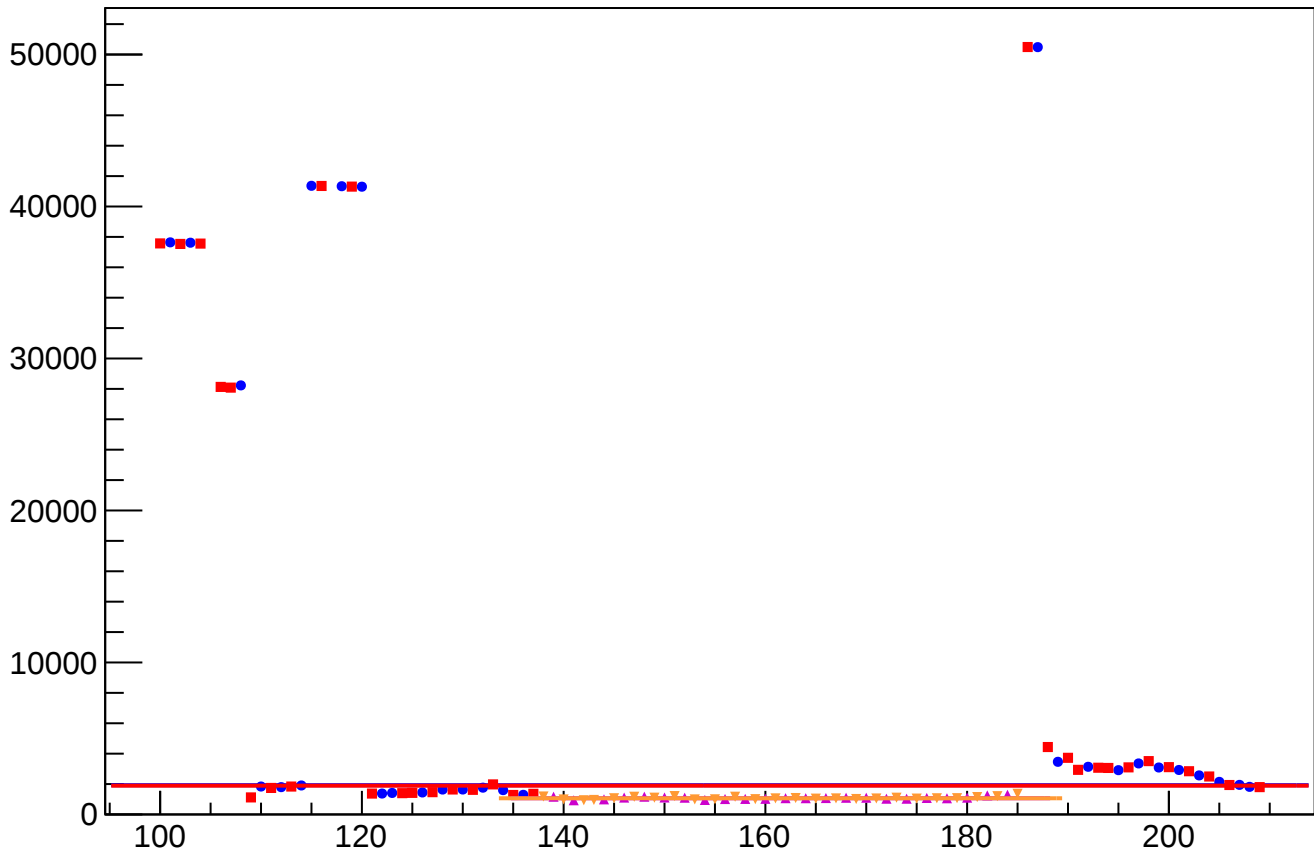
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.117 ± 0.229 χ^2/NDF : 66.1/52

All: 0.139 ± 0.164 χ^2/NDF : 133.8/107

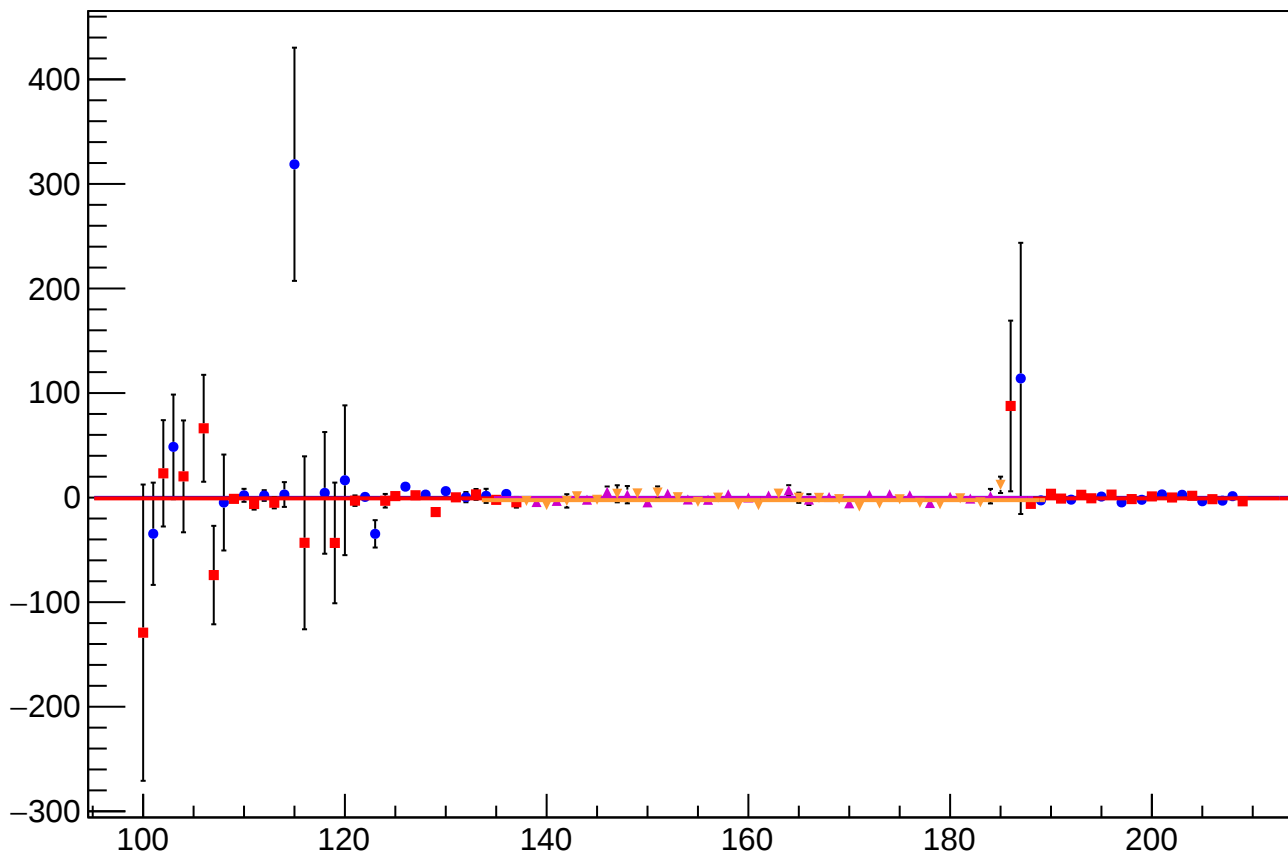
- sign 0.406 ± 0.234 χ^2/NDF : 65.1/54

diff_bpm1p02bX_rms vs Slug



Right In: 1924.943+/-0.413 χ^2/NDF : 6924302.3/27 + sign 1197.011+/-0.162 χ^2/NDF : 10781030.1/52
 Left Out: 1064.701+/-0.176 χ^2/NDF : 186511.5/24 All: 1201.839+/-0.116 χ^2/NDF : 22819334.8/1
 Right Out: 1894.437+/-0.402 χ^2/NDF : 8344691.4/31 - sign 1206.881+/-0.166 χ^2/NDF : 12036488.9/54
 Left In: 1066.255+/-0.182 χ^2/NDF : 164232.1/22

diff_bpm1p02bY_mean vs Slug



Right In: -0.247 ± 0.548 χ^2/NDF : 49.6/27

Left Out: -2.422 ± 0.811 χ^2/NDF : 21.2/24

Right Out: -0.740 ± 0.553 χ^2/NDF : 34.4/31

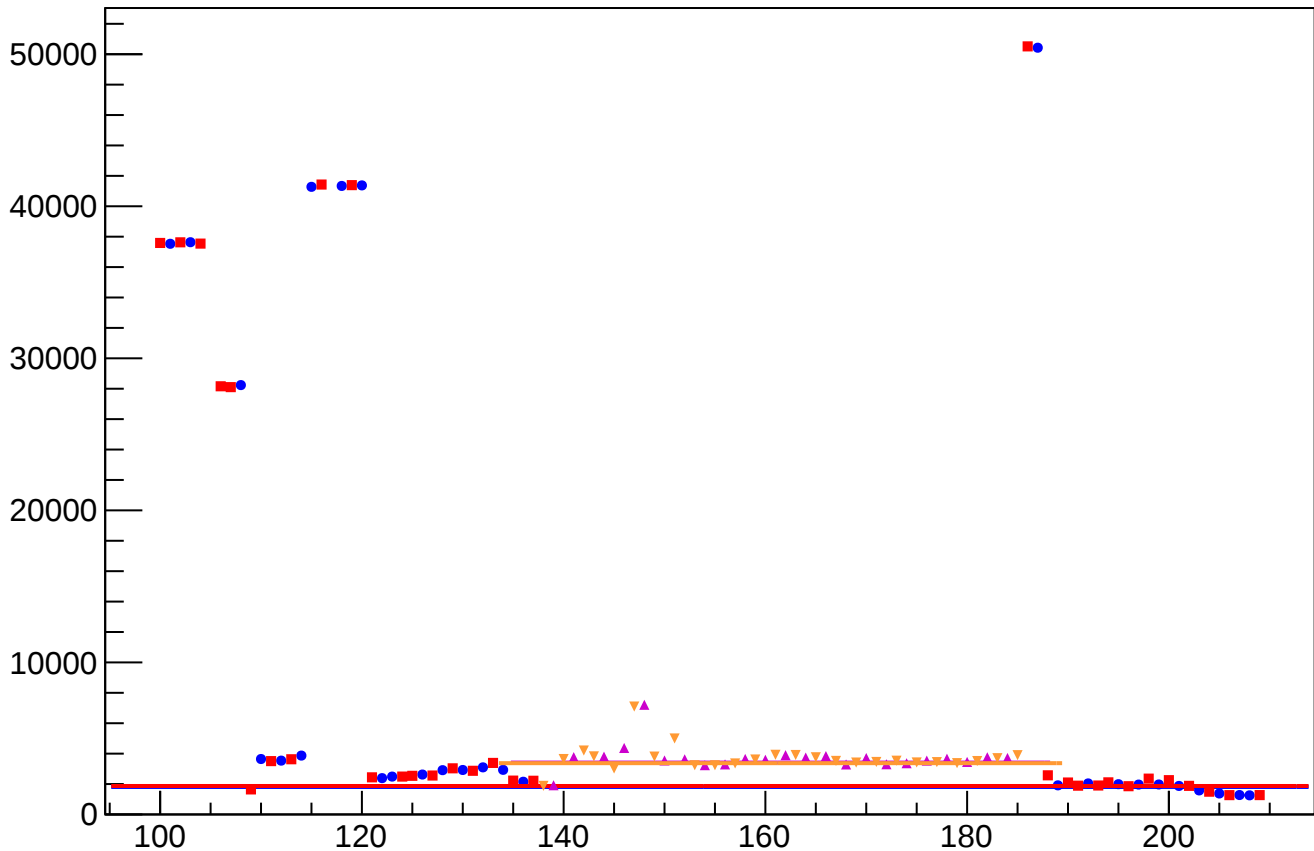
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -0.930 ± 0.454 χ^2/NDF : 75.8/52

All: -0.796 ± 0.324 χ^2/NDF : 125.9/107

- sign -0.659 ± 0.462 χ^2/NDF : 49.9/54

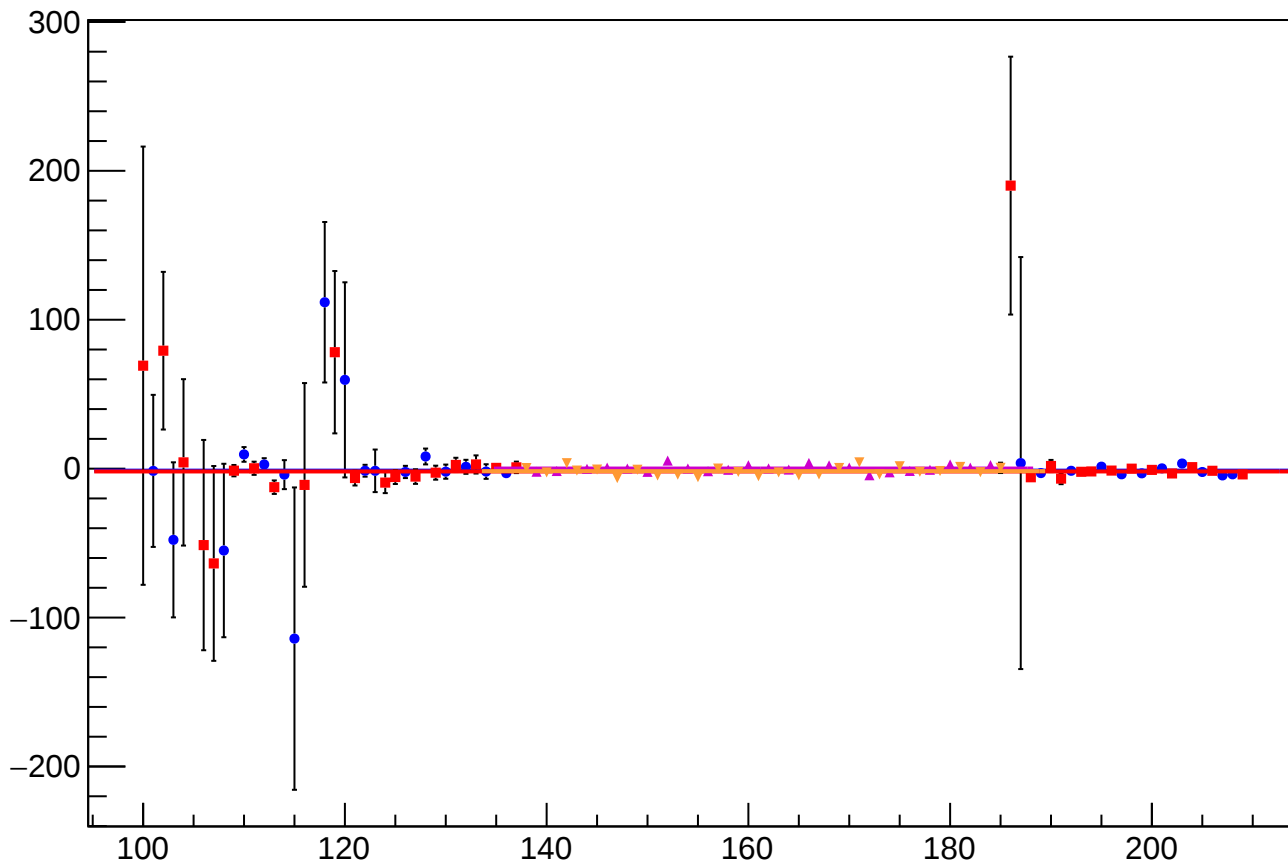
diff_bpm1p02bY_rms vs Slug



Right In: 1809.973+/-0.388 χ^2/NDF : 6705560.7/27
 Left Out: 3372.958+/-0.573 χ^2/NDF :1656864.7/24
 Right Out: 1872.255+/-0.391 χ^2/NDF : 7277261.8/31
 Left In: 3411.924+/-0.596 χ^2/NDF :1434523.7/22

+ sign 2300.519+/-0.321 χ^2/NDF : 13465189.1/52
 All: 2317.499+/-0.229 χ^2/NDF : 26850383.0/100
 - sign 2335.085+/-0.327 χ^2/NDF : 13379500.9/54

diff_bpm1p03aX_mean vs Slug



Right In: -1.331 ± 0.633 χ^2/NDF : 29.5/27

Left Out: -1.672 ± 0.388 χ^2/NDF : 45.7/24

Right Out: -1.884 ± 0.629 χ^2/NDF : 29.5/31

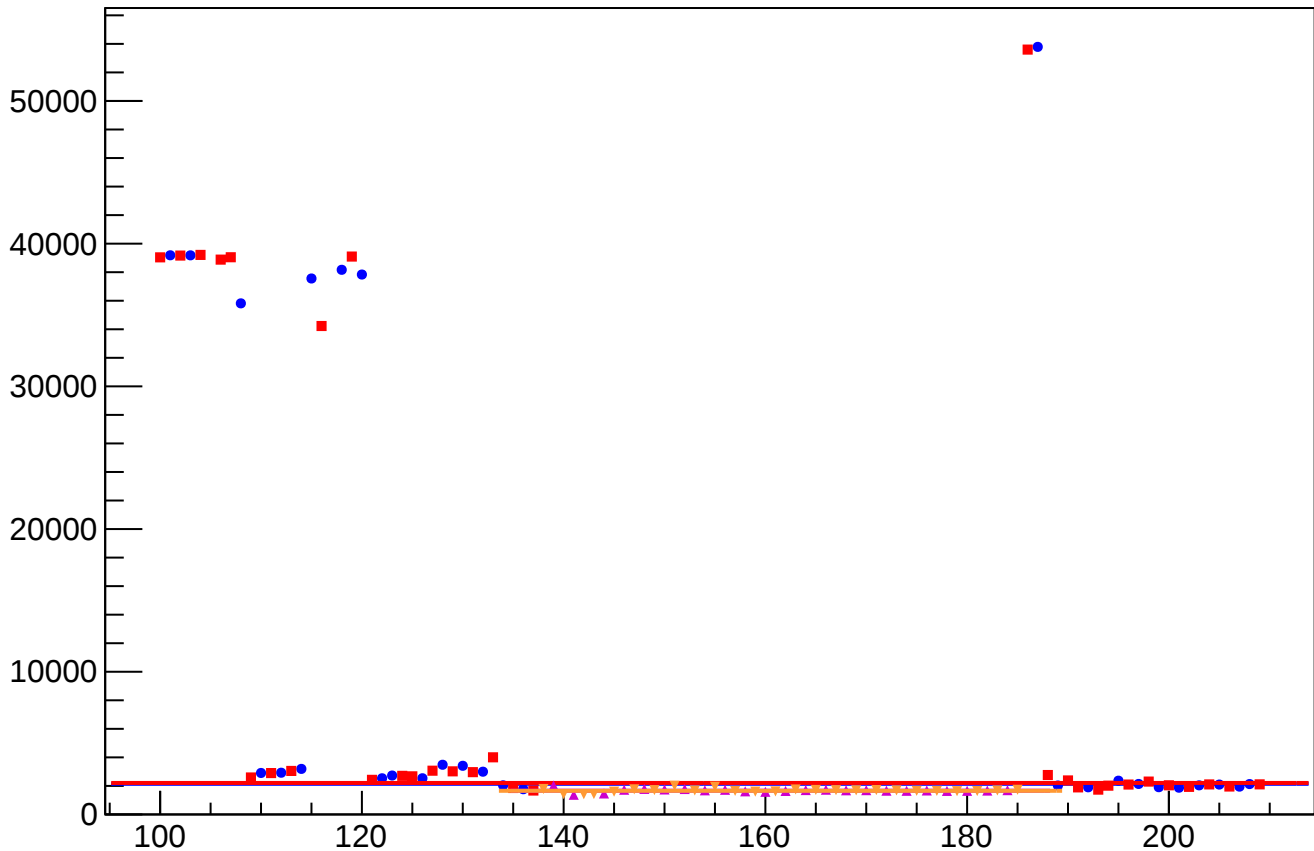
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.579 ± 0.331 χ^2/NDF : 75.4/52

All: -1.048 ± 0.236 χ^2/NDF : 145.2/107

- sign -0.494 ± 0.338 χ^2/NDF : 64.6/54

diff_bpm1p03aX_rms vs Slug



Right In: 2148.525+/-0.448 χ^2/NDF : 5458594.8/27

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

Right Out: 2207.497+/-0.445 χ^2/NDF : 6065940.0/31

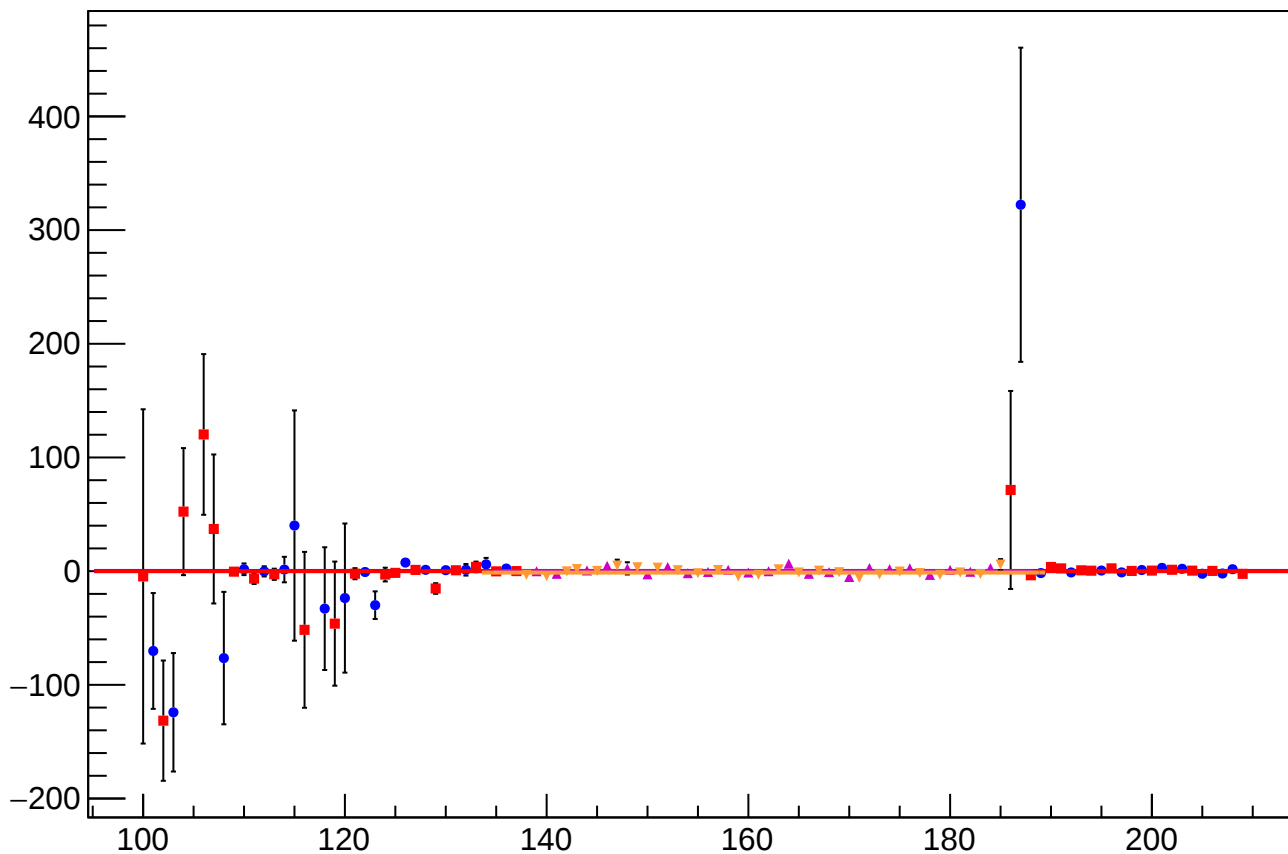
Left In: 1663.620+/-0.284 χ^2/NDF : 178858.2/22

+ sign 1791.761+/-0.234 χ^2/NDF : 6555311.3/52

All: 1805.989+/-0.167 χ^2/NDF : 13870986.2/104

- sign 1820.848+/-0.239 χ^2/NDF : 7308115.0/54

diff_bpm1p03aY_mean vs Slug



Right In: 0.177 ± 0.470 χ^2/NDF : 41.0/27

Left Out: -1.251 ± 0.535 χ^2/NDF : 21.7/24

Right Out: -0.028 ± 0.468 χ^2/NDF : 36.5/31

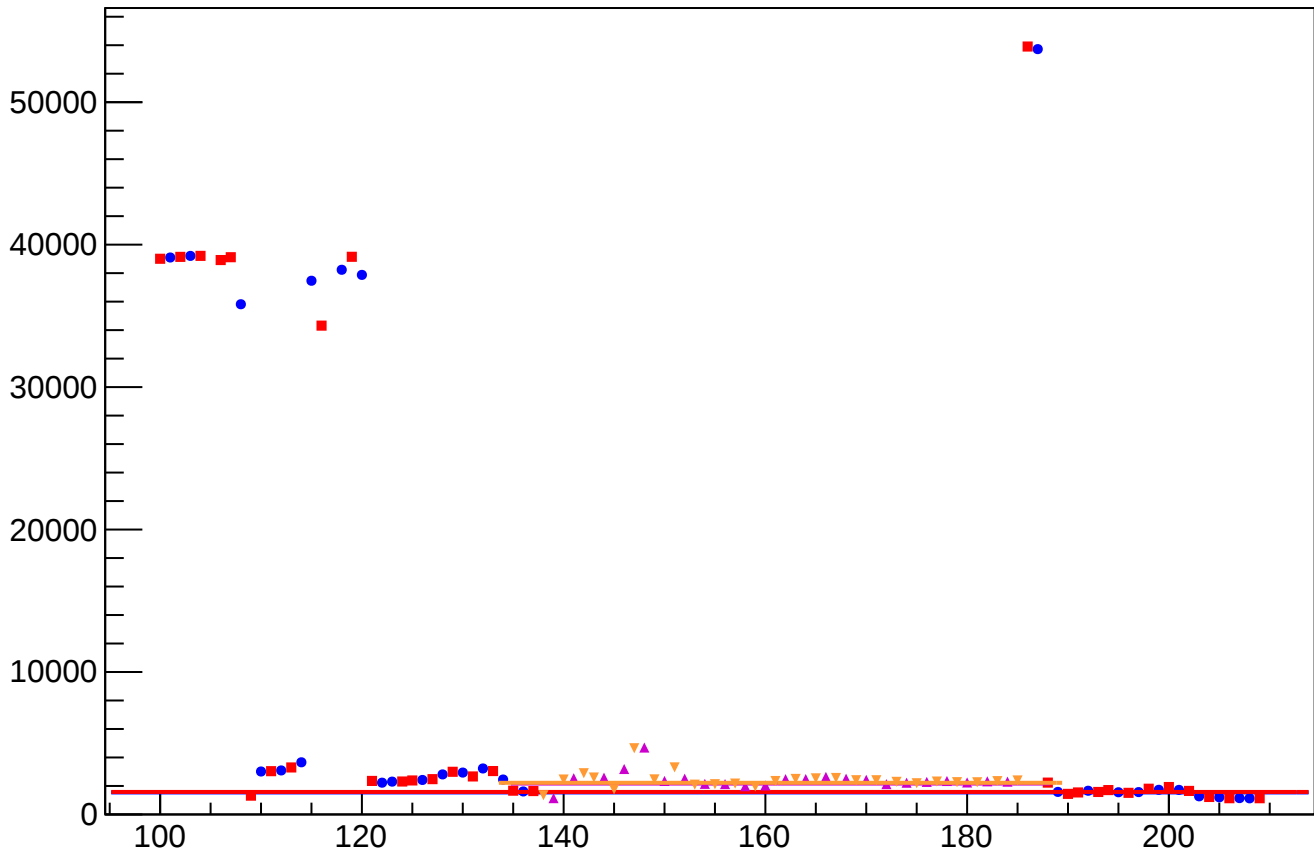
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.444 ± 0.353 χ^2/NDF : 66.7/52

All: -0.210 ± 0.250 χ^2/NDF : 123.4/107

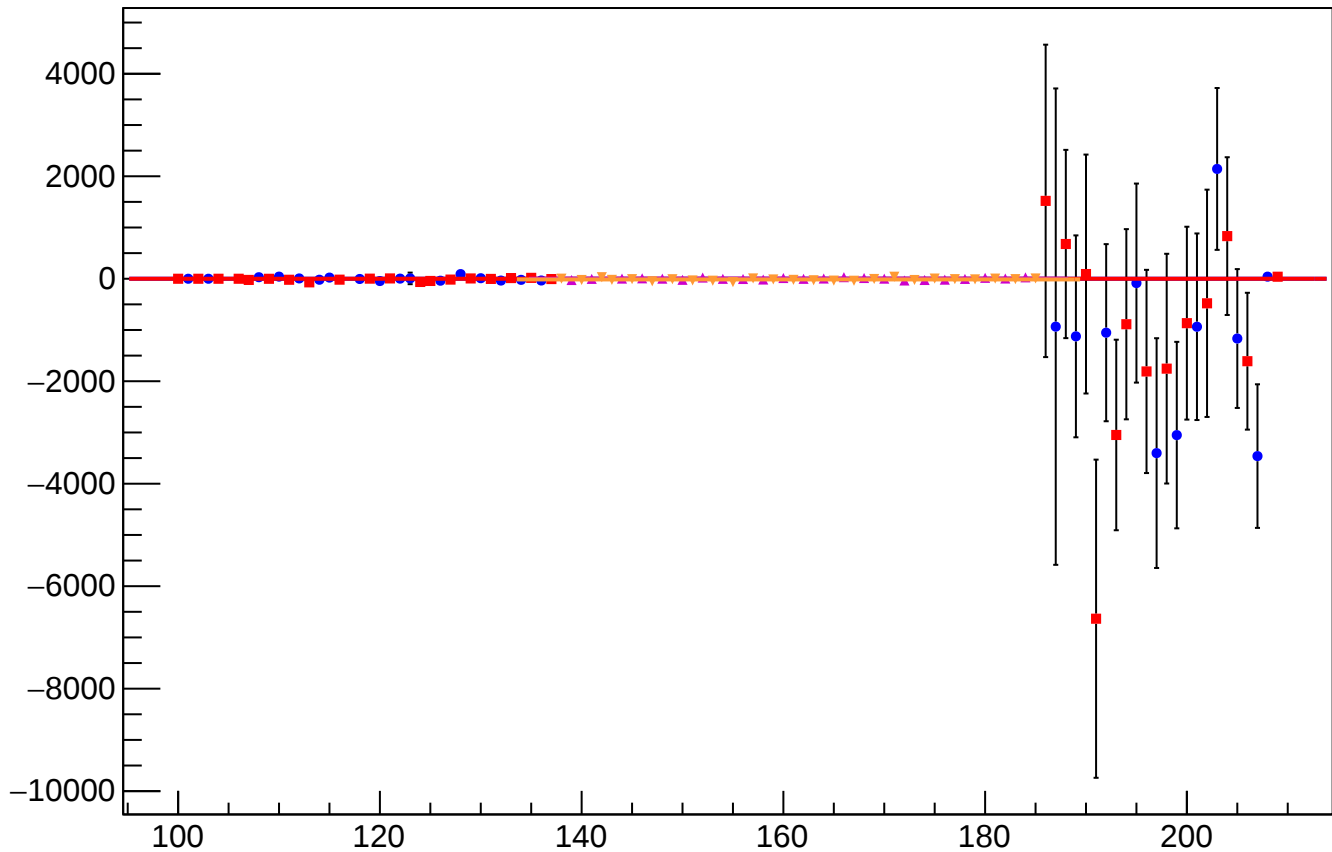
- sign 0.026 ± 0.354 χ^2/NDF : 55.8/54

diff_bpm1p03aY_rms vs Slug



Right In: 1545.094+/-0.332	χ^2/NDF : 6861958.6/27	+ sign 1839.735+/-0.250	χ^2/NDF : 10092792.3/52
Left Out: 2222.081+/-0.378	χ^2/NDF : 1422440.9/24	All: 1835.955+/-0.177	χ^2/NDF : 20841819.4/100
Right Out: 1580.312+/-0.331	χ^2/NDF : 7416962.3/31	- sign 1832.157+/-0.250	χ^2/NDF : 10748567.3/54
Left In: 2169.443+/-0.383	χ^2/NDF : 1974869.8/22		

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 32.1/27

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

Right Out: 0.003+/-0.016 χ^2/NDF : 27.8/31

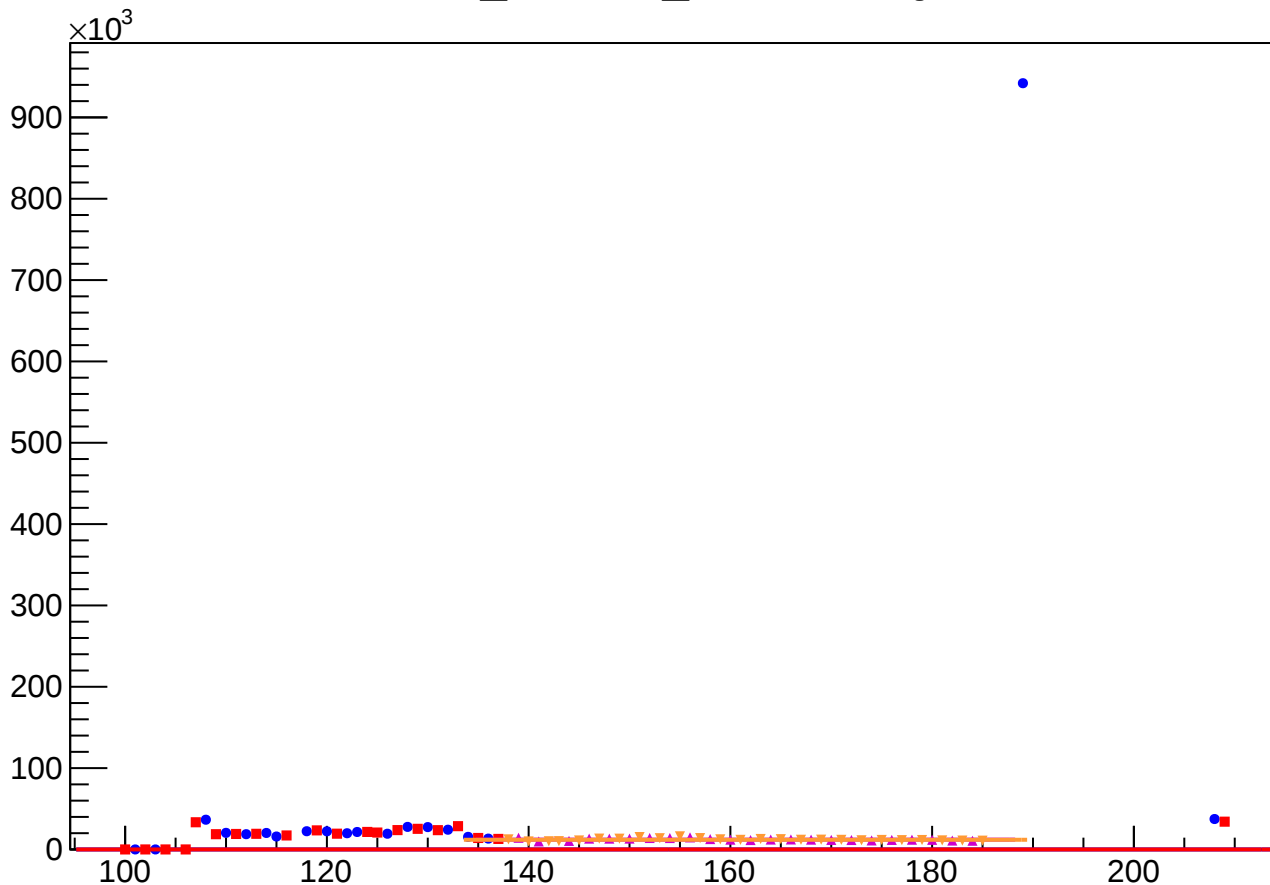
Left In: -0.459+/-2.917 χ^2/NDF : 29.0/22

+ sign 0.013+/-0.017 χ^2/NDF : 114.0/52

All: 0.008+/-0.012 χ^2/NDF : 170.9/107

- sign 0.003+/-0.016 χ^2/NDF : 56.8/54

diff_cav4bX_rms vs Slug



Right In: 18.646 ± 0.012 χ^2/NDF : 12285558.7/18

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

Right Out: 18.317 ± 0.011 χ^2/NDF : 12503910.3/19

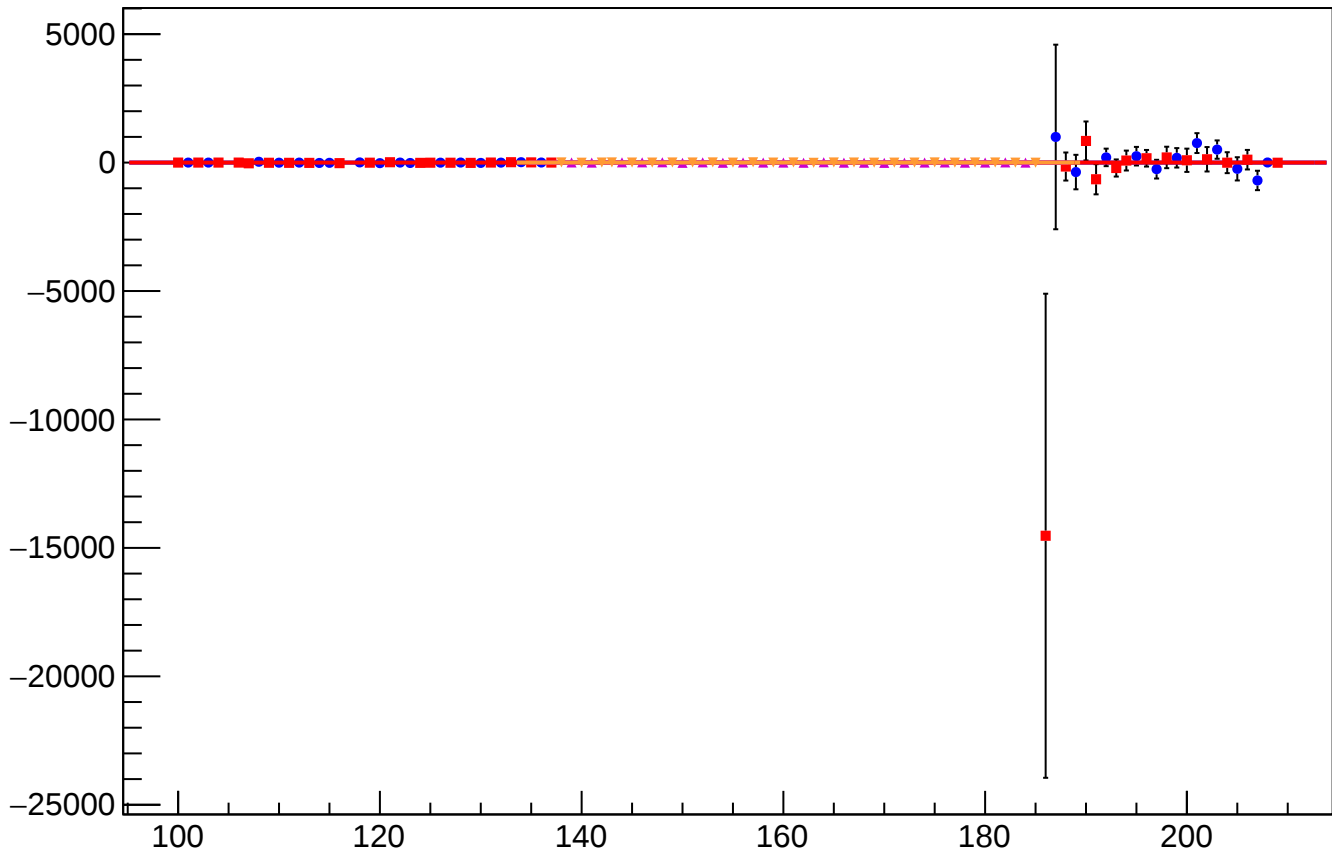
Left In: 12064.761 ± 2.062 χ^2/NDF : 368452.5/22

+ sign 19.102 ± 0.012 χ^2/NDF : 48825179.8/43

All: 18.876 ± 0.008 χ^2/NDF : 95814045.8/86

- sign 18.682 ± 0.011 χ^2/NDF : 46988236.9/42

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 24.6/27

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 25.7/31

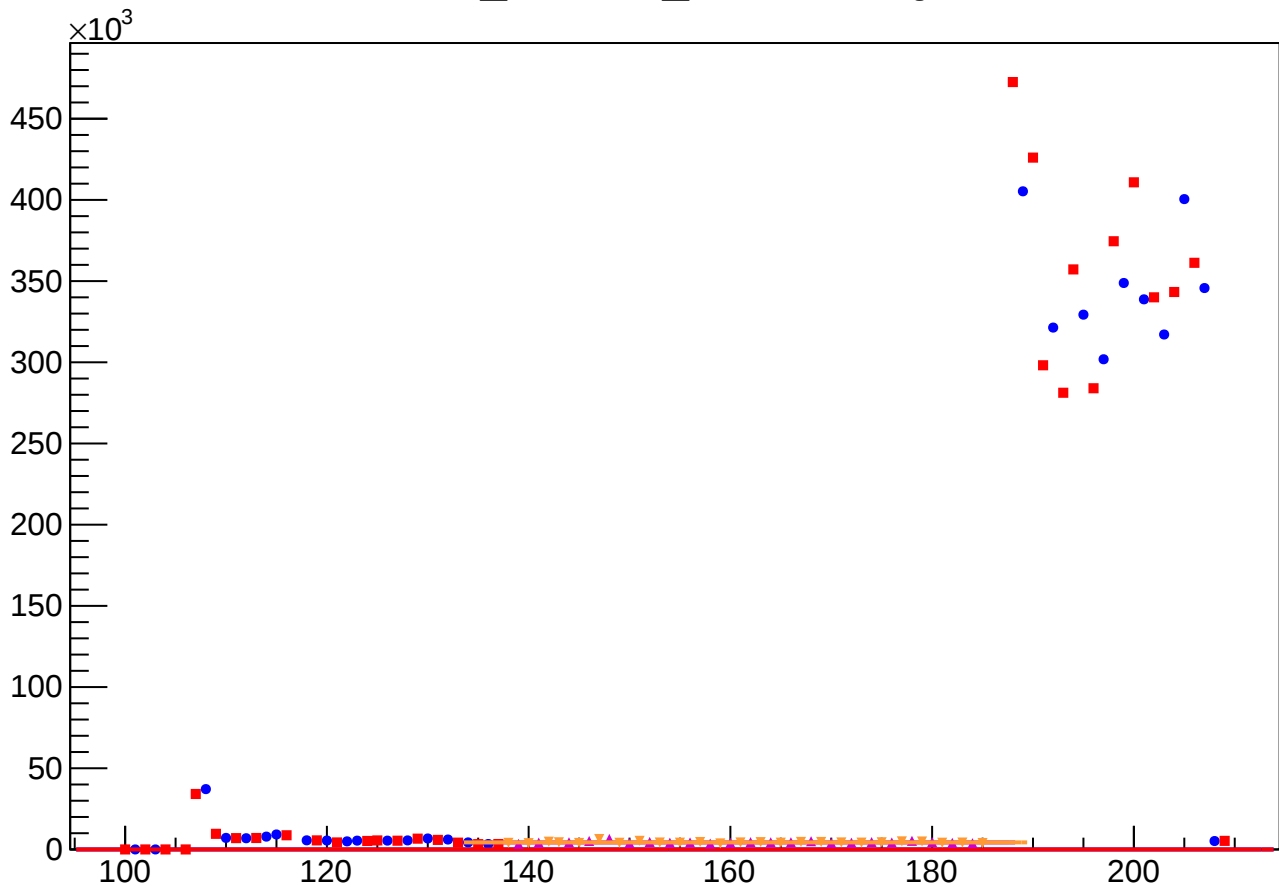
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 45.6/52

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 108.8/107

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 62.1/54

diff_cav4bY_rms vs Slug



Right In: 9.950 $\pm$ 0.007 χ^2 /NDF: 25796458.8/26

Left Out: 4349.005 $\pm$ 0.723 χ^2 /NDF: 383895.7/24

Right Out: 9.866 $\pm$ 0.006 χ^2 /NDF: 27340198.3/30

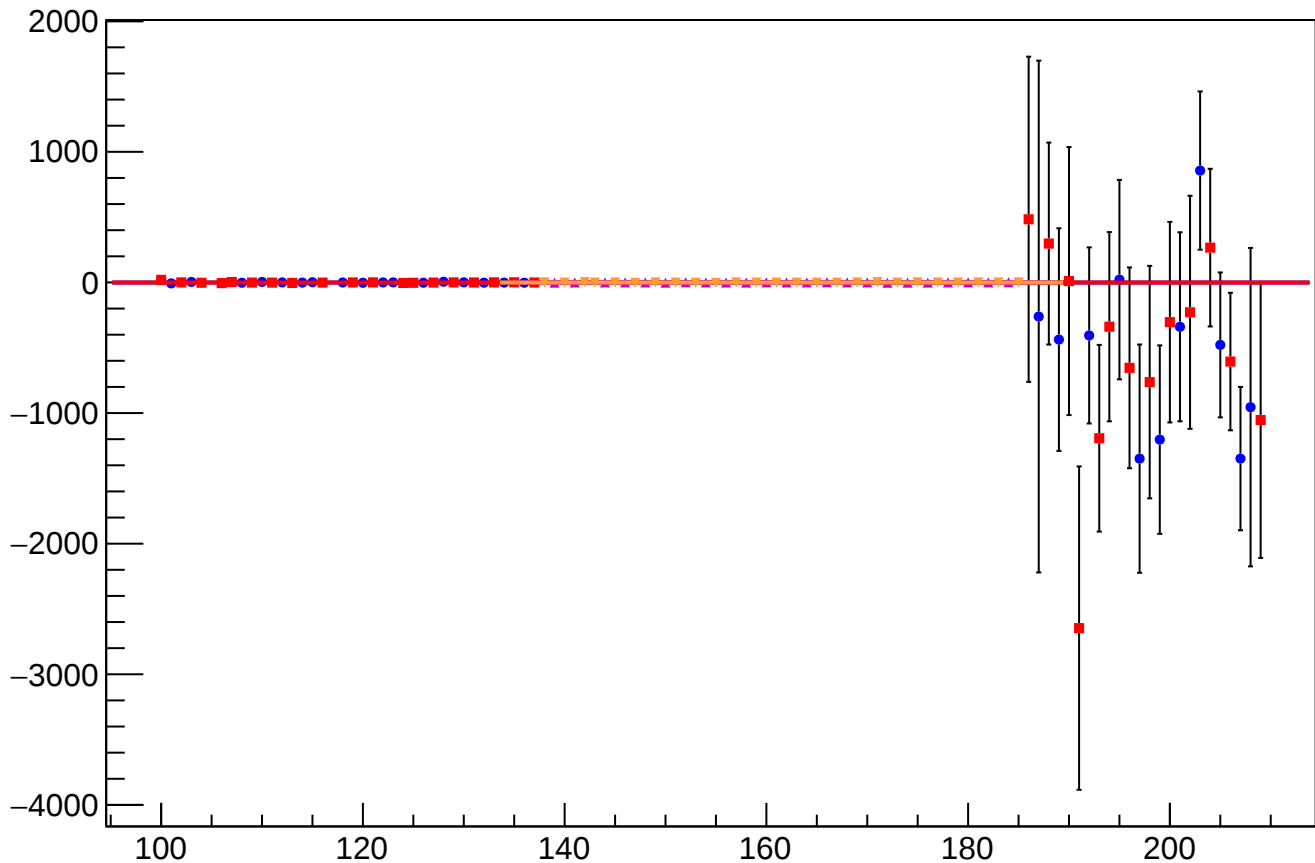
Left In: 4321.572 $\pm$ 0.741 χ^2 /NDF: 514603.2/22

+ sign 10.301 $\pm$ 0.007 χ^2 /NDF: 62223703.6/51

All: 10.226 $\pm$ 0.004 χ^2 /NDF: 123897351.1/10

- sign 10.159 $\pm$ 0.006 χ^2 /NDF: 61673393.8/53

diff_cav4cX_mean vs Slug



Right In: -0.716 ± 0.483 χ^2/NDF : 38.1/27

Left Out: -0.775 ± 0.165 χ^2/NDF : 58.5/24

Right Out: -0.640 ± 0.501 χ^2/NDF : 25.1/31

Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

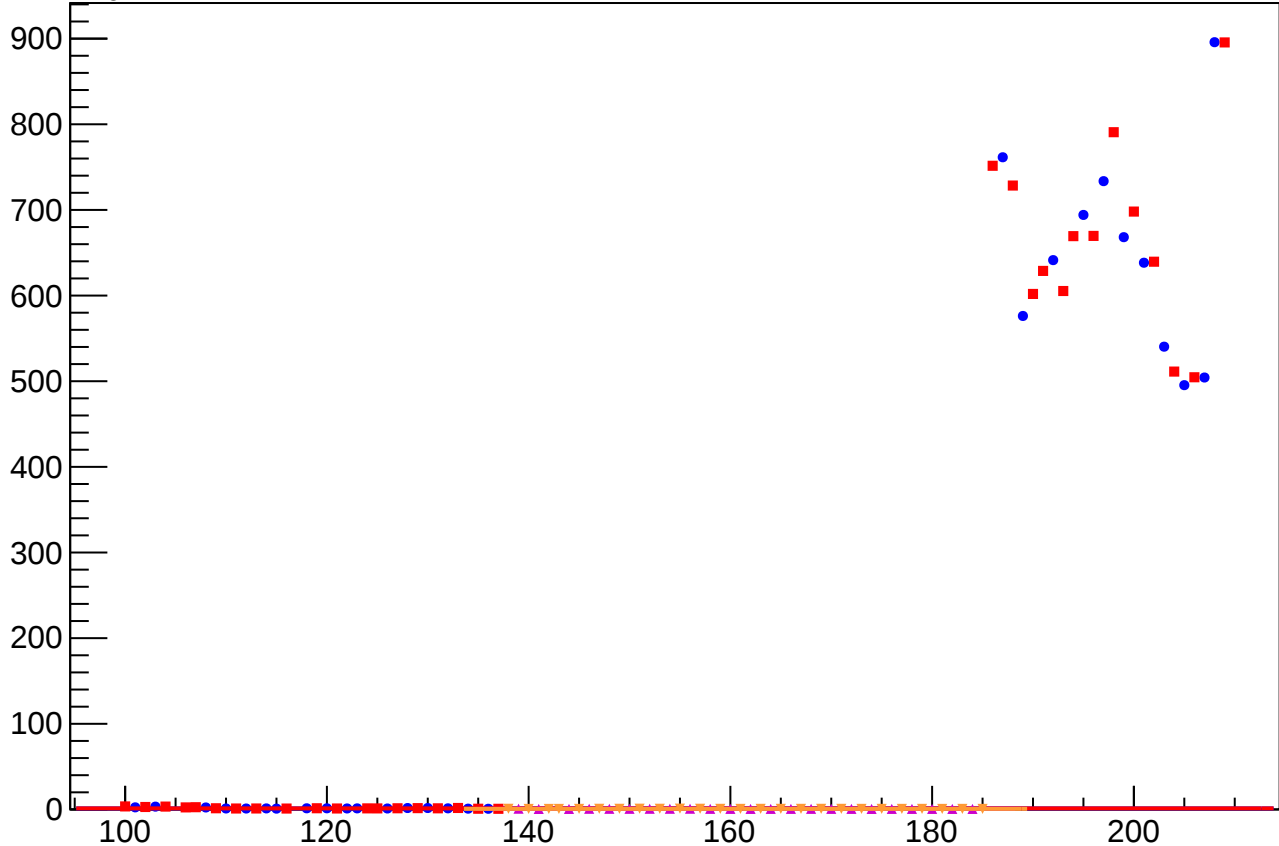
+ sign -0.769 ± 0.156 χ^2/NDF : 96.6/52

All: -0.439 ± 0.112 χ^2/NDF : 161.9/107

- sign -0.083 ± 0.162 χ^2/NDF : 55.9/54

diff_cav4cX_rms vs Slug

$\times 10^3$



Right In: 1169.991 $\pm$ 0.342 χ^2 /NDF: 16670575.5/27

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

Right Out: 1251.233 $\pm$ 0.355 χ^2 /NDF: 18818874.3/31

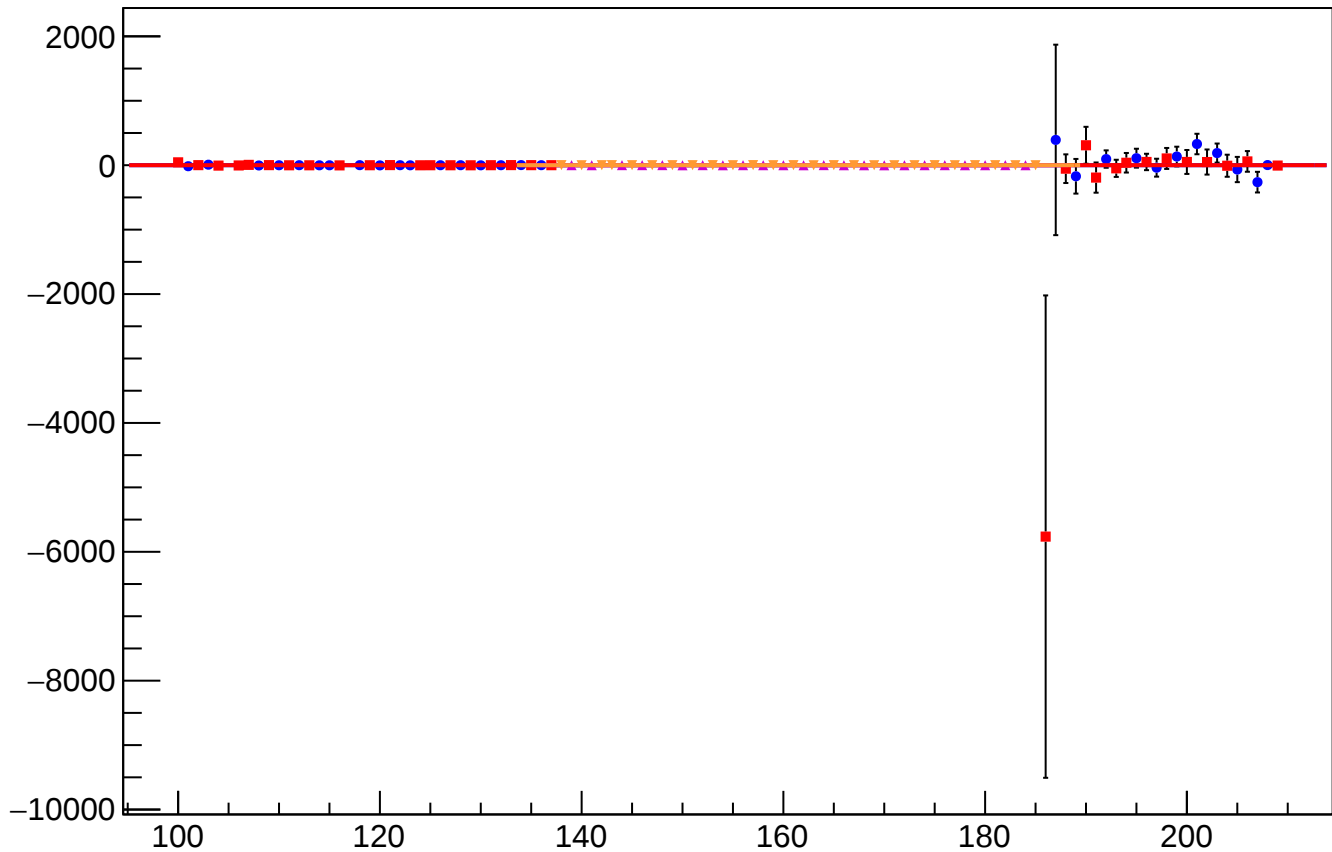
Left In: 706.971 $\pm$ 0.121 χ^2 /NDF:332011.4/22

+ sign 749.750 $\pm$ 0.110 χ^2 /NDF: 18752295.4/52

All: 756.386 $\pm$ 0.079 χ^2 /NDF: 40021728.7/10

- sign 763.532 $\pm$ 0.114 χ^2 /NDF: 21261896.3/54

diff_cav4cY_mean vs Slug



Right In: -0.052 ± 0.269 χ^2/NDF : 30.4/27

Left Out: 0.233 ± 0.123 χ^2/NDF : 18.0/24

Right Out: 0.265 ± 0.264 χ^2/NDF : 27.1/31

Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

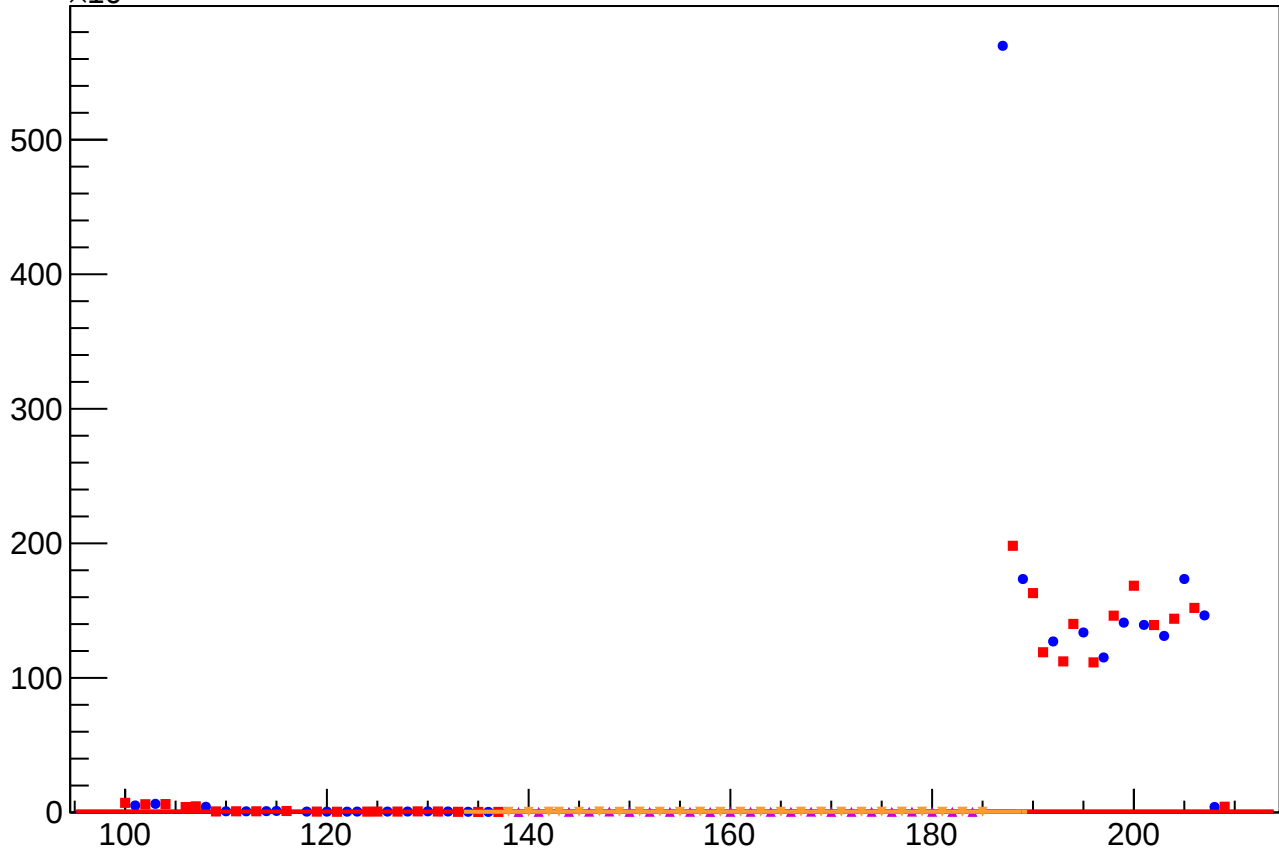
+ sign 0.184 ± 0.112 χ^2/NDF : 49.3/52

All: 0.168 ± 0.080 χ^2/NDF : 111.7/107

- sign 0.151 ± 0.114 χ^2/NDF : 62.3/54

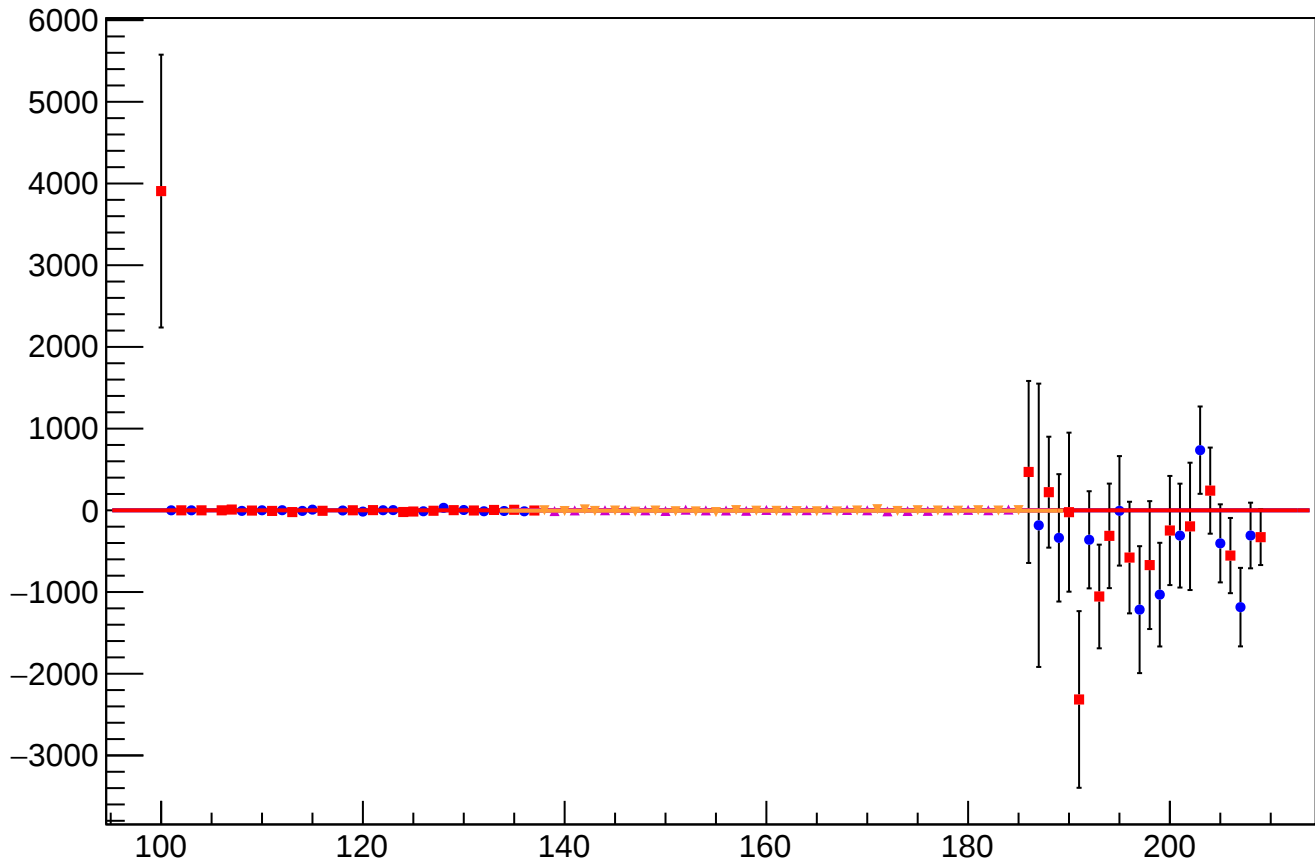
diff_cav4cY_rms vs Slug

$\times 10^3$



Right In: 621.651 ± 0.190 $\chi^2/\text{NDF}: 17838727.4/27$ + sign 539.358 ± 0.079 $\chi^2/\text{NDF}: 18395865.4/52$
 Left Out: 522.220 ± 0.087 $\chi^2/\text{NDF}: 330405.3/24$ All: 538.581 ± 0.056 $\chi^2/\text{NDF}: 38419739.9/10$
 Right Out: 612.568 ± 0.187 $\chi^2/\text{NDF}: 19398844.1/30$ - sign 537.771 ± 0.080 $\chi^2/\text{NDF}: 20023675.9/53$
 Left In: 520.700 ± 0.089 $\chi^2/\text{NDF}: 427720.5/22$

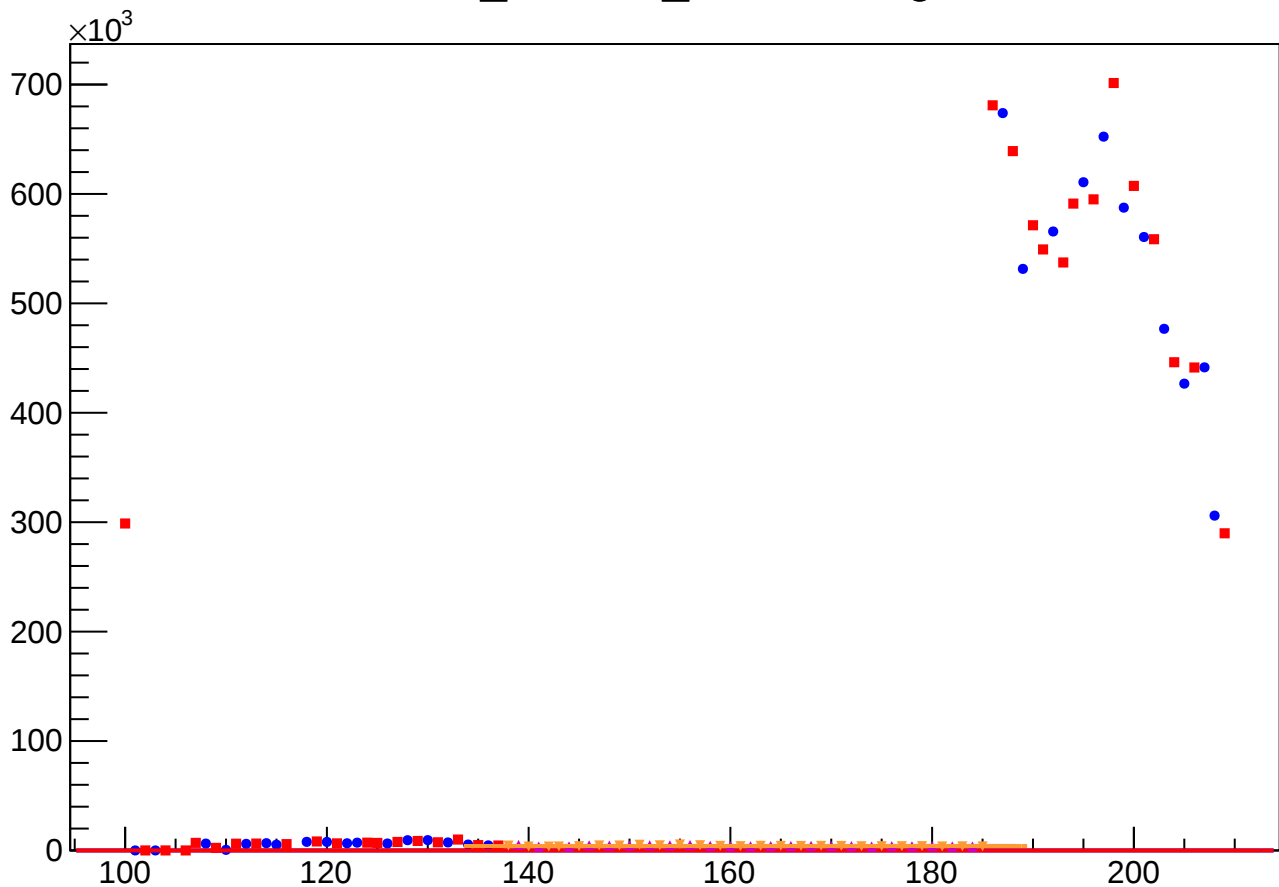
diff_cav4dX_mean vs Slug



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 31.2/27
Left Out: -4.480 $\pm$ 0.957 χ^2 /NDF: 58.4/24
Right Out: -0.027 $\pm$ 0.020 χ^2 /NDF: 29.6/31
Left In: -0.183 $\pm$ 0.994 χ^2 /NDF: 29.5/22

+ sign -0.024 $\pm$ 0.021 χ^2 /NDF: 111.3/52
All: -0.025 $\pm$ 0.014 χ^2 /NDF: 170.3/107
- sign -0.027 $\pm$ 0.020 χ^2 /NDF: 59.1/54

diff_cav4dX_rms vs Slug



Right In: 17.346+/-0.015 χ^2 /NDF: 25876768.5/27

Left Out: 4075.147+/-0.677 χ^2 /NDF:417511.0/24

Right Out: 17.274+/-0.014 χ^2 /NDF: 28132844.8/31

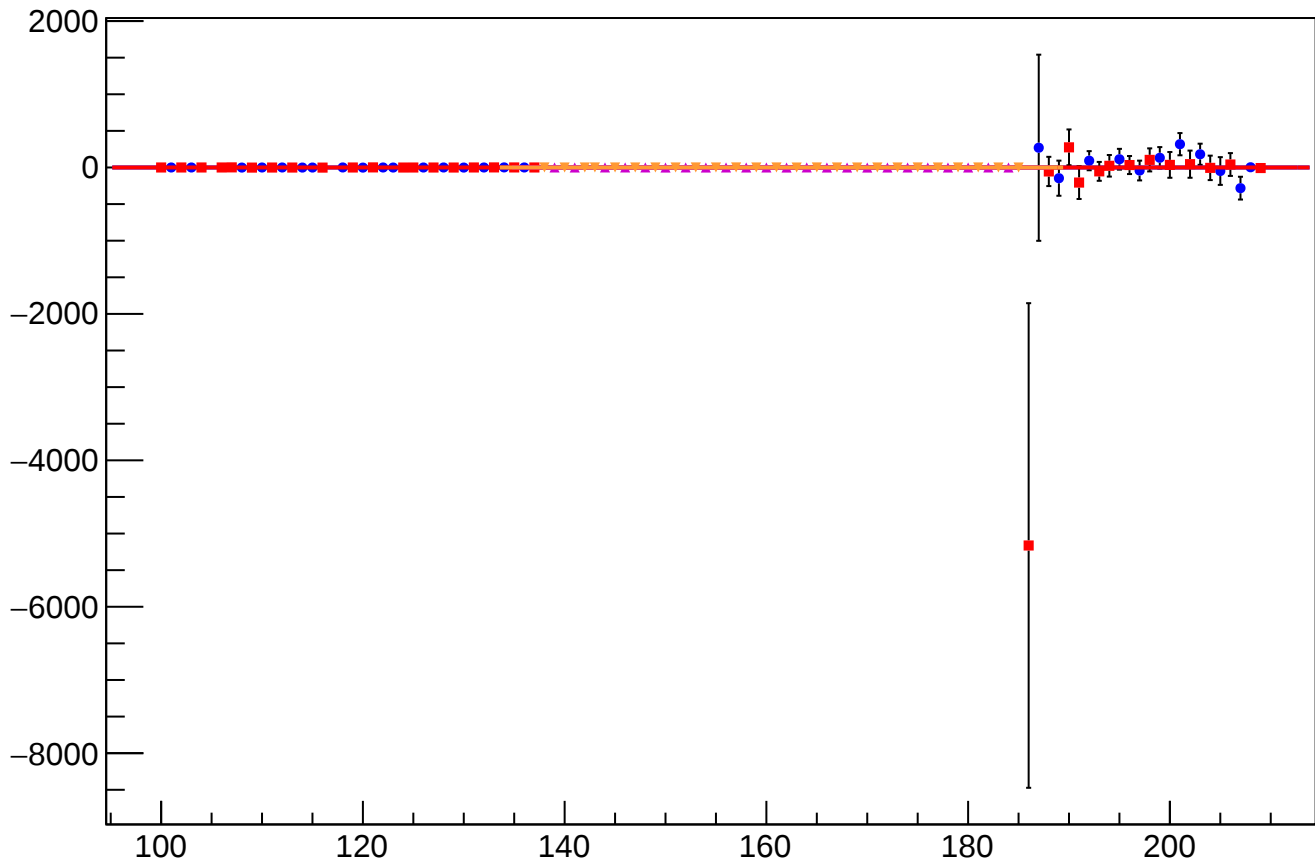
Left In: 4113.993+/-0.703 χ^2 /NDF:349160.6/22

+ sign 19.260+/-0.015 χ^2 /NDF: 62226819.9/52

All: 19.068+/-0.010 χ^2 /NDF: 124665025.5/100

- sign 18.895+/-0.014 χ^2 /NDF: 62437881.0/54

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 25.6/27

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

Right Out: 0.001 ± 0.002 χ^2/NDF : 25.4/31

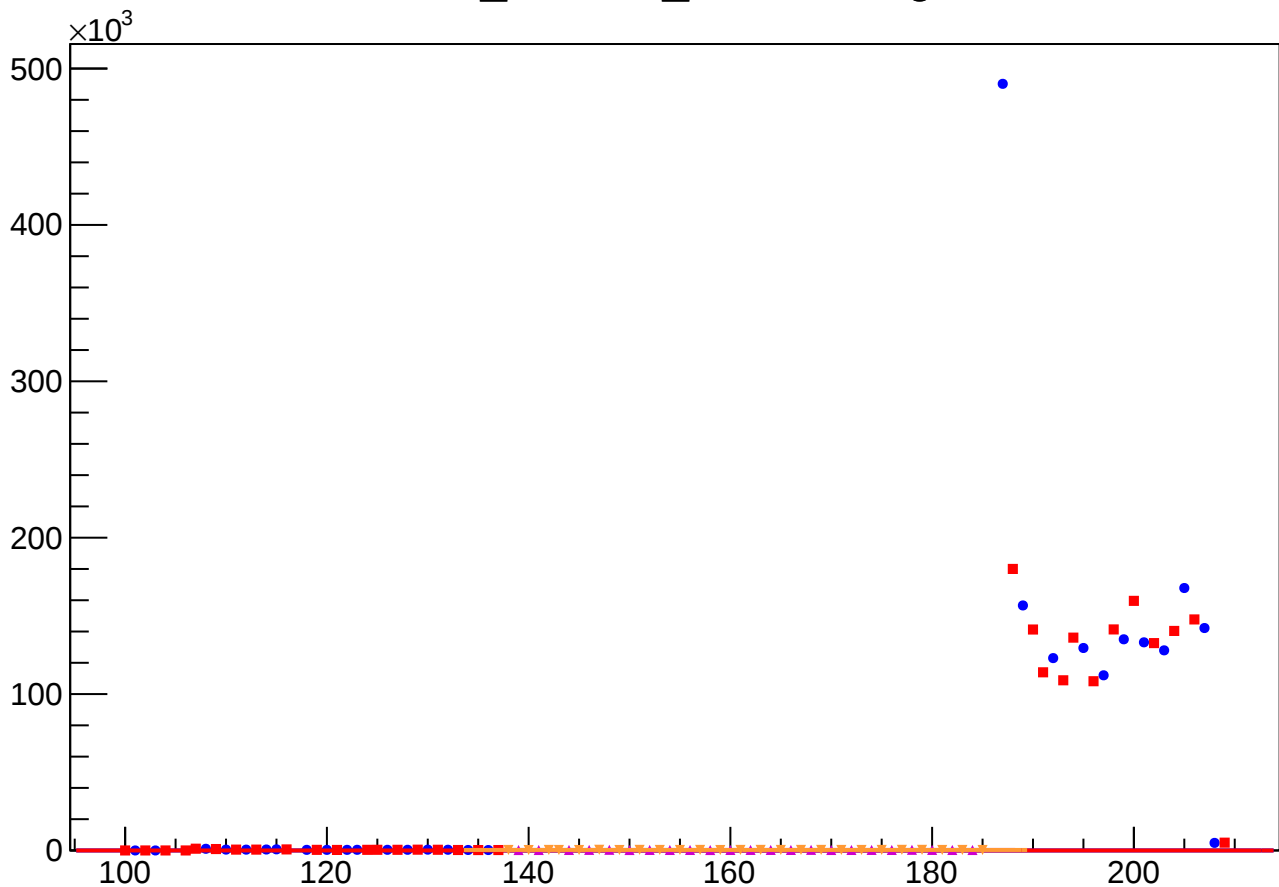
Left In: 0.080 ± 0.079 χ^2/NDF : 34.6/22

+ sign 0.000 ± 0.002 χ^2/NDF : 46.7/52

All: 0.001 ± 0.001 χ^2/NDF : 107.7/107

- sign 0.001 ± 0.002 χ^2/NDF : 61.0/54

diff_cav4dY_rms vs Slug



Right In: 1.700 $\pm$ 0.001 χ^2 /NDF: 26180565.0/27

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

Right Out: 1.729 $\pm$ 0.001 χ^2 /NDF: 27107988.7/30

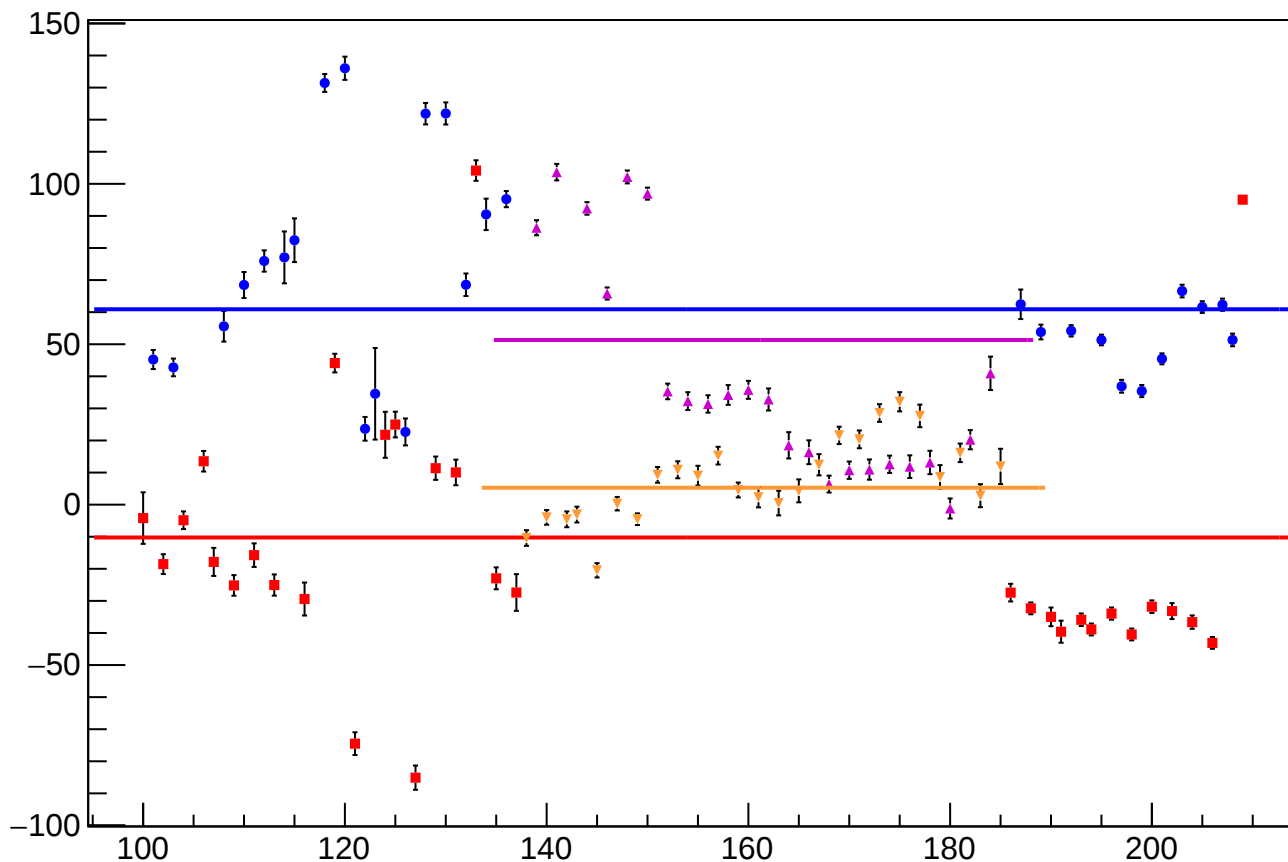
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF: 413350.0/22

+ sign 1.927 $\pm$ 0.001 χ^2 /NDF: 62392318.2/52

All: 1.926 $\pm$ 0.001 χ^2 /NDF: 123638084.6/106

- sign 1.925 $\pm$ 0.001 χ^2 /NDF: 61245765.1/53

diff_bpm0i01X_mean vs Slug



Right In: 60.903 ± 0.491 χ^2/NDF : 2739.8/27

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

Right Out: -10.241 ± 0.463 χ^2/NDF : 10863.3/31

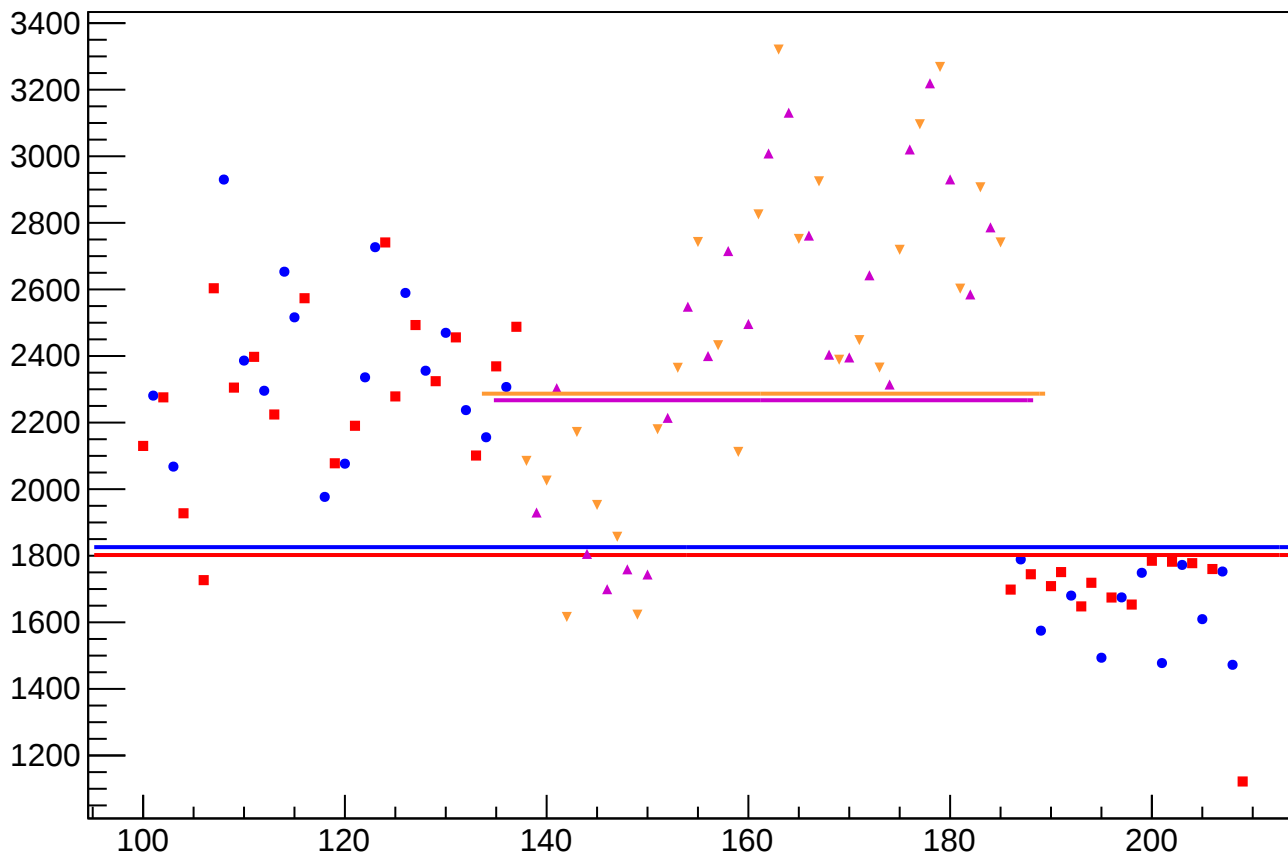
Left In: 51.328 ± 0.558 χ^2/NDF : 4257.8/22

+ sign 35.946 ± 0.364 χ^2/NDF : 9057.4/52

All: 25.137 ± 0.255 χ^2/NDF : 33108.9/107

- sign 14.814 ± 0.356 χ^2/NDF : 22332.1/54

diff_bpm0i01X_rms vs Slug



Right In: 1825.861+/-0.347 χ^2/NDF : 958522.2/27

Left Out: 2286.871+/-0.385 χ^2/NDF :1360490.8/24

Right Out: 1802.172+/-0.327 χ^2/NDF : 1248230.3/31

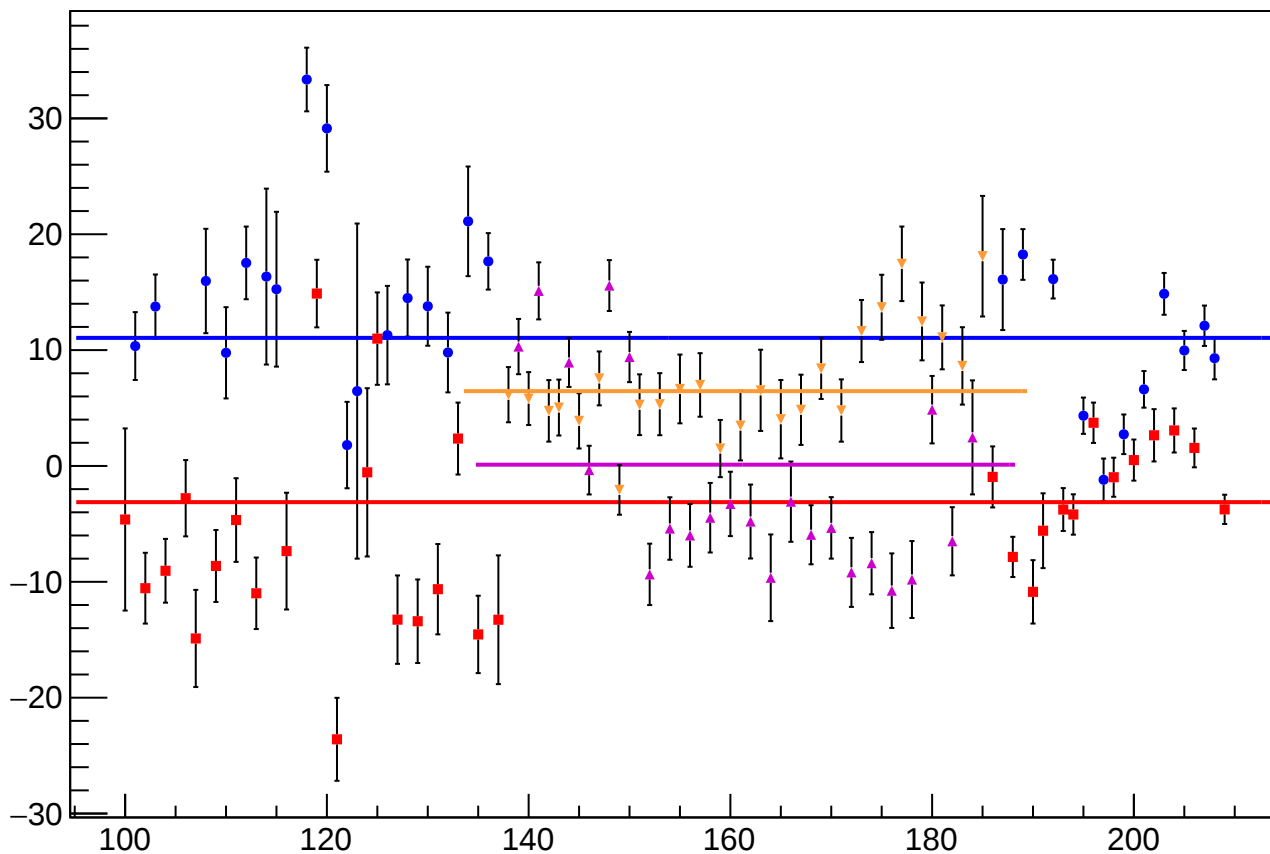
Left In: 2267.097+/-0.395 χ^2/NDF :1313364.4/22

+ sign 2032.690+/-0.258 χ^2/NDF : 3110431.4/52

All: 2011.553+/-0.180 χ^2/NDF : 6507564.5/10

- sign 1991.368+/-0.252 χ^2/NDF : 3383984.8/54

diff_bpm0i01Y_mean vs Slug



Right In: 11.056 $\pm$ 0.463 χ^2 /NDF: 239.0/27

Left Out: 6.458 $\pm$ 0.548 χ^2 /NDF: 58.7/24

Right Out: -3.123 $\pm$ 0.437 χ^2 /NDF: 213.1/31

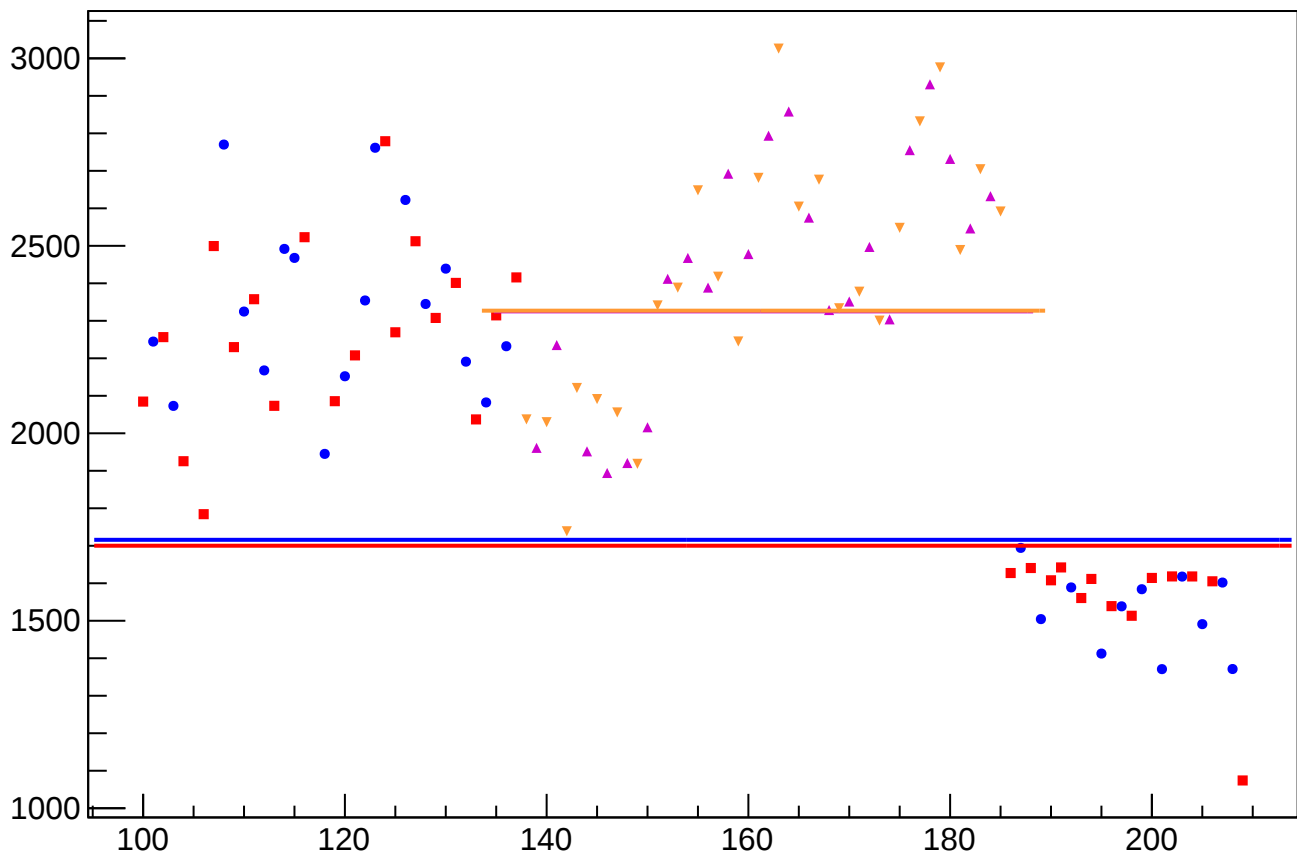
Left In: 0.110 $\pm$ 0.565 χ^2 /NDF: 234.6/22

+ sign 9.140 $\pm$ 0.353 χ^2 /NDF: 338.8/52

All: 3.495 $\pm$ 0.247 χ^2 /NDF: 1306.3/107

- sign -1.912 $\pm$ 0.346 χ^2 /NDF: 468.2/54

diff_bpm0i01Y_rms vs Slug



Right In: 1715.893+/-0.327 χ^2/NDF : 1198871.8/27

Left Out: 2327.044+/-0.387 χ^2/NDF : 646706.7/24

Right Out: 1700.162+/-0.309 χ^2/NDF : 1435403.0/31

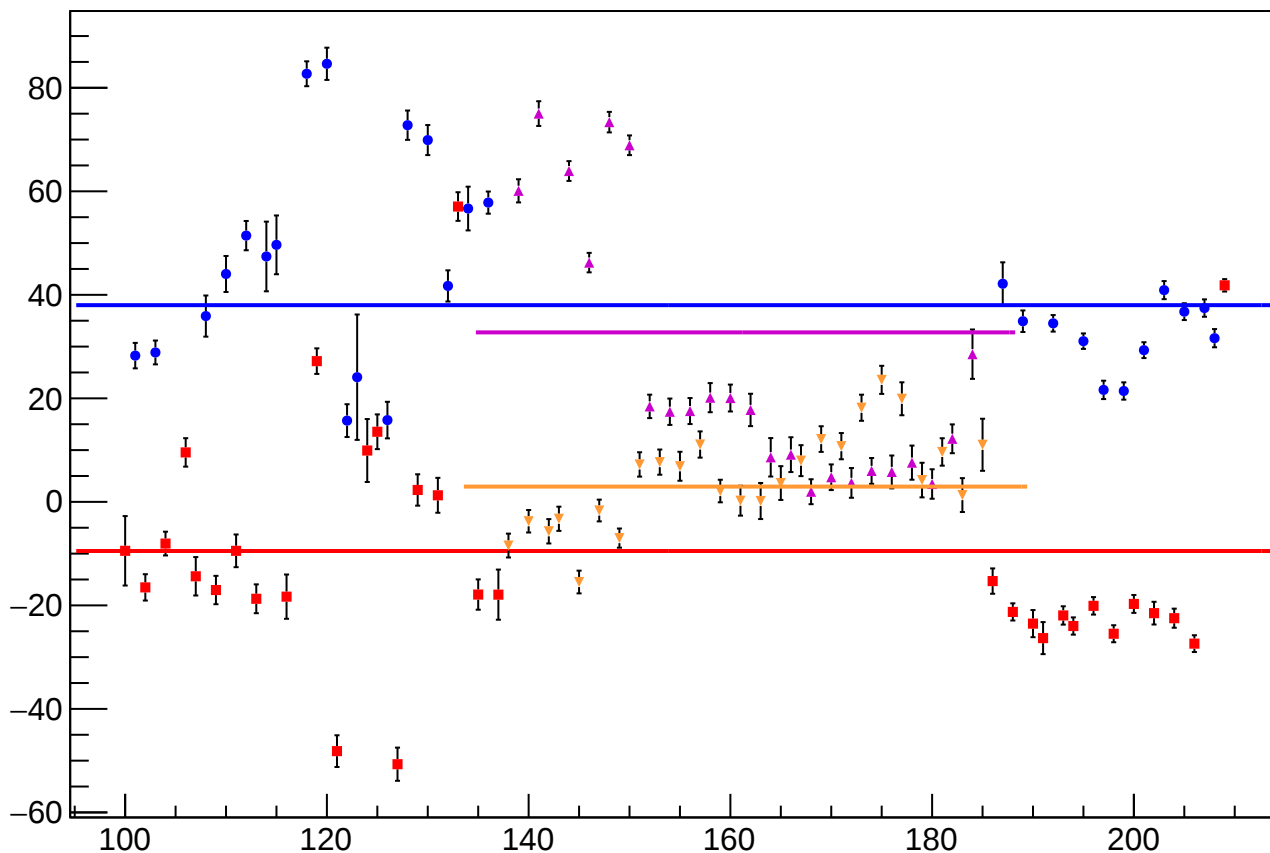
Left In: 2325.175+/-0.400 χ^2/NDF : 610729.2/22

+ sign 1970.564+/-0.250 χ^2/NDF : 3298863.3/52

All: 1952.060+/-0.175 χ^2/NDF : 6885336.5/100

- sign 1934.336+/-0.245 χ^2/NDF : 3575741.9/54

diff_bpm0i01aX_mean vs Slug



Right In: 38.006 ± 0.431 $\chi^2/\text{NDF}: 1364.2/27$

Left Out: 2.952 ± 0.512 $\chi^2/\text{NDF}: 337.8/24$

Right Out: -9.493 ± 0.407 $\chi^2/\text{NDF}: 3740.4/31$

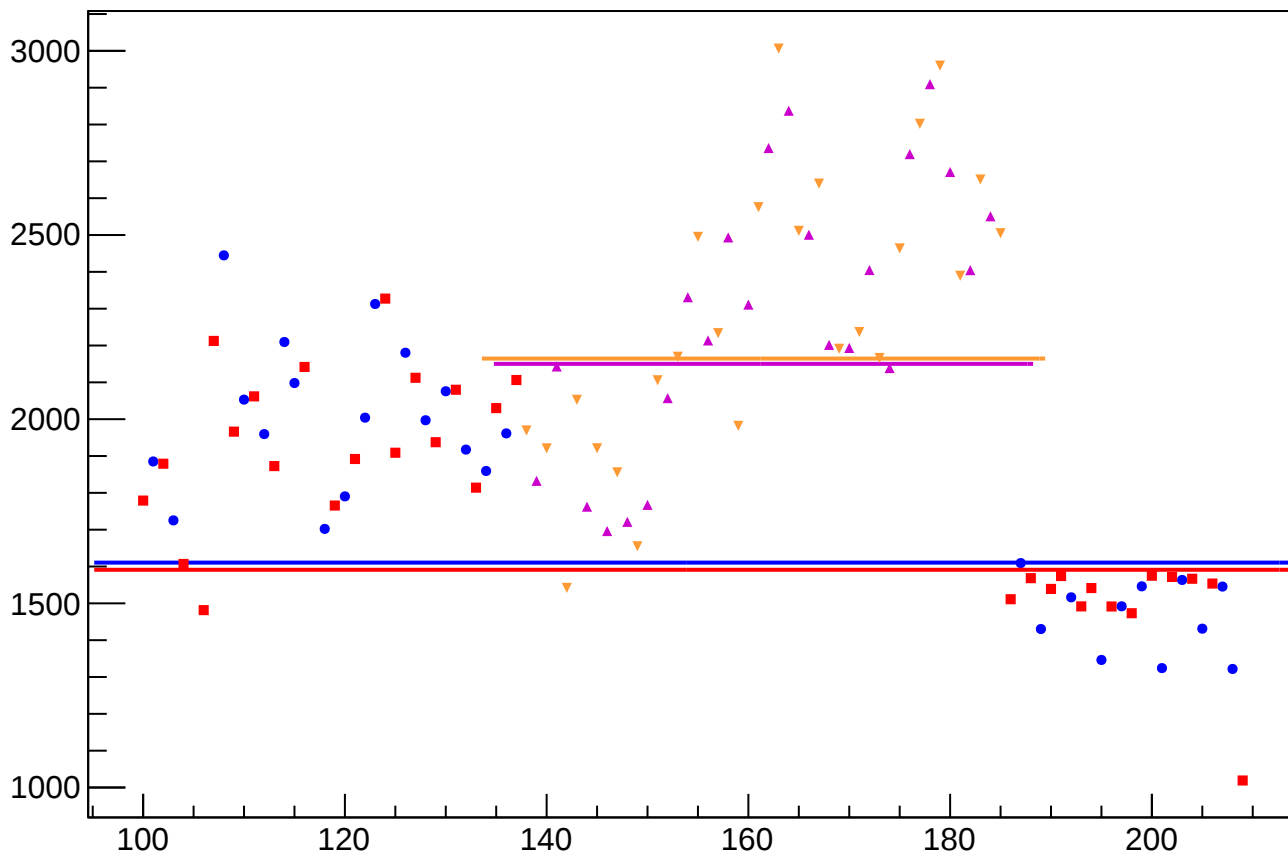
Left In: 32.745 ± 0.526 $\chi^2/\text{NDF}: 2632.5/22$

+ sign 23.470 ± 0.330 $\chi^2/\text{NDF}: 4446.4/52$

All: 14.673 ± 0.230 $\chi^2/\text{NDF}: 16245.4/107$

- sign 6.297 ± 0.322 $\chi^2/\text{NDF}: 10408.9/54$

diff_bpm0i01aX_rms vs Slug



Right In: 1610.595 $\pm$ 0.305 χ^2 /NDF: 729703.8/27

Left Out: 2164.573 $\pm$ 0.362 χ^2 /NDF:965603.5/24

Right Out: 1591.169 $\pm$ 0.287 χ^2 /NDF: 985605.3/31

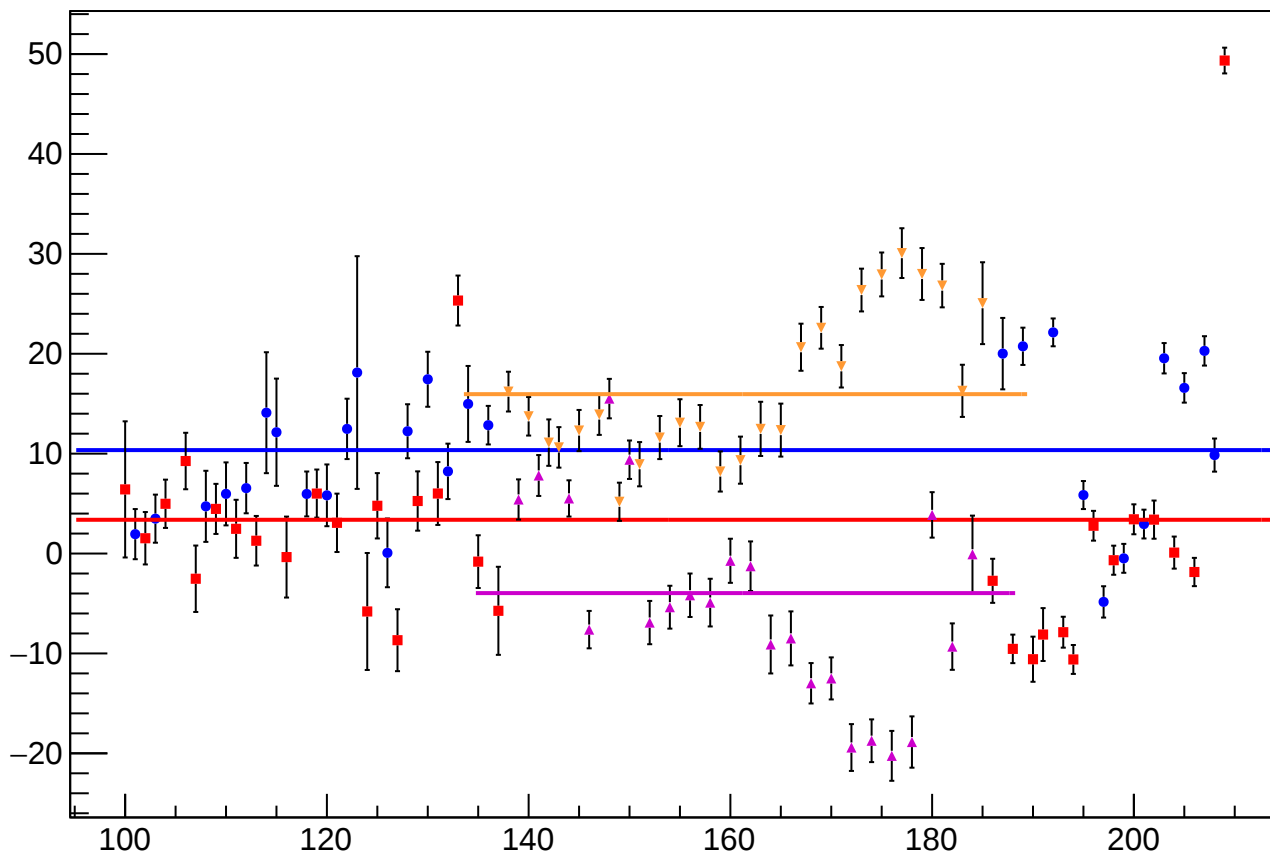
Left In: 2150.190 $\pm$ 0.372 χ^2 /NDF:911849.7/22

+ sign 1840.317 $\pm$ 0.233 χ^2 /NDF: 3066180.4/52

All: 1819.738 $\pm$ 0.163 χ^2 /NDF: 6392726.8/10

- sign 1800.144 $\pm$ 0.227 χ^2 /NDF: 3311331.8/54

diff_bpm0i01aY_mean vs Slug



Right In: 10.355 ± 0.394 χ^2/NDF : 449.9/27

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

Right Out: 3.380 ± 0.373 χ^2/NDF : 1705.3/31

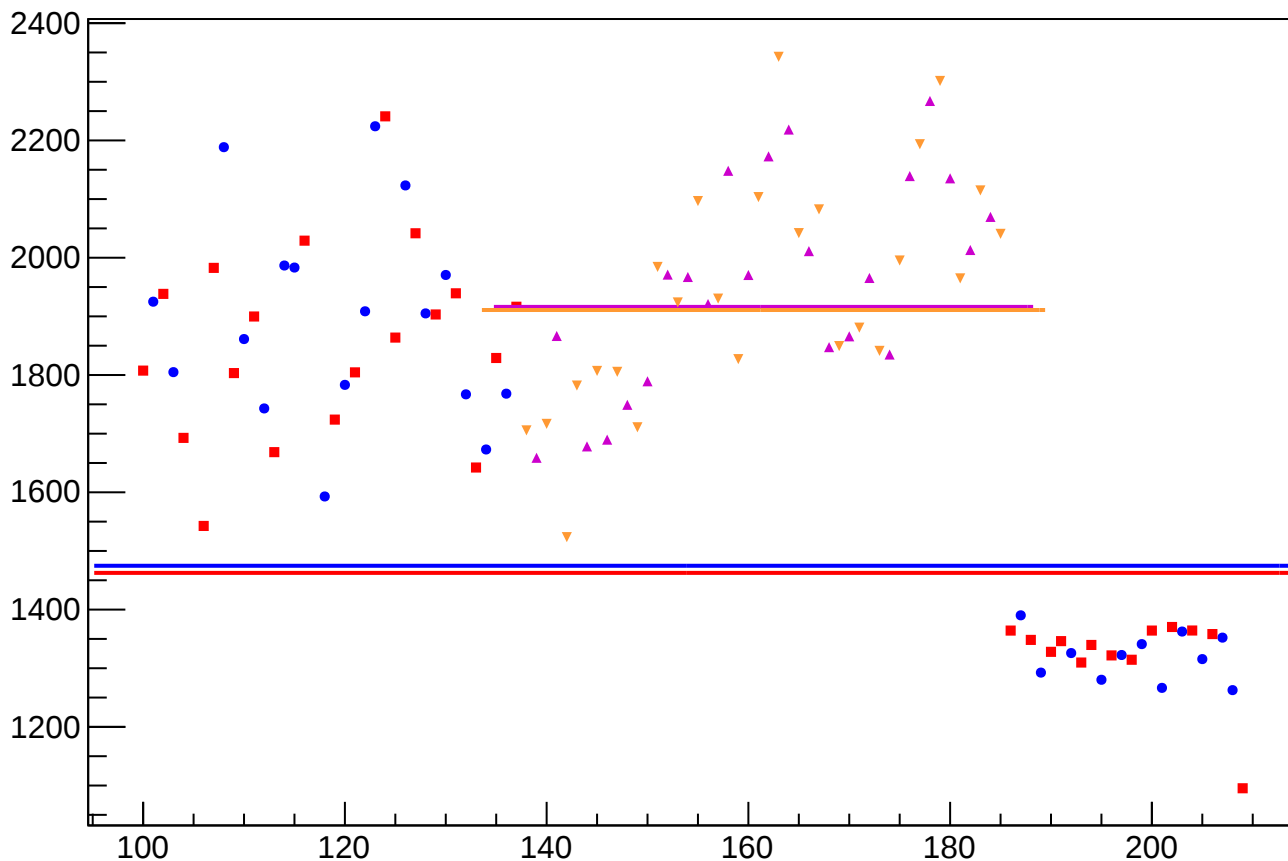
Left In: -3.960 ± 0.463 χ^2/NDF : 464.9/22

+ sign 12.801 ± 0.296 χ^2/NDF : 783.4/52

All: 6.533 ± 0.207 χ^2/NDF : 3988.6/107

- sign 0.493 ± 0.290 χ^2/NDF : 2322.7/54

diff_bpm0i01aY_rms vs Slug



Right In: 1474.737 $\pm$ 0.279 χ^2 /NDF: 842640.5/27

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

Right Out: 1462.595 $\pm$ 0.264 χ^2 /NDF: 915102.4/31

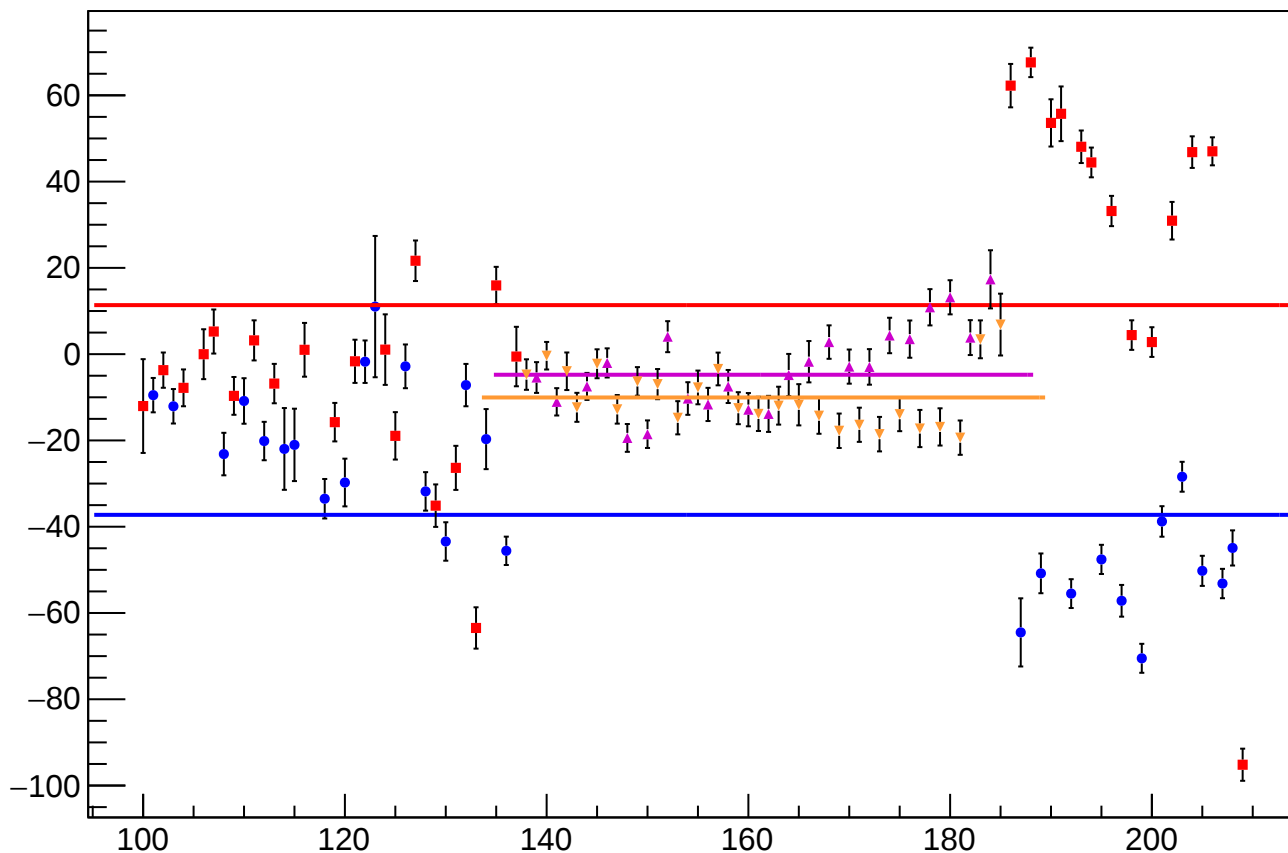
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF:274285.3/22

+ sign 1665.208 $\pm$ 0.209 χ^2 /NDF: 2242025.7/52

All: 1652.882 $\pm$ 0.146 χ^2 /NDF: 4603466.9/10

- sign 1641.002 $\pm$ 0.205 χ^2 /NDF: 2354615.3/54

diff_bpm0l01X_mean vs Slug



Right In: -37.250 ± 0.818 χ^2/NDF : 538.6/27

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

Right Out: 11.365 ± 0.784 χ^2/NDF : 2331.6/31

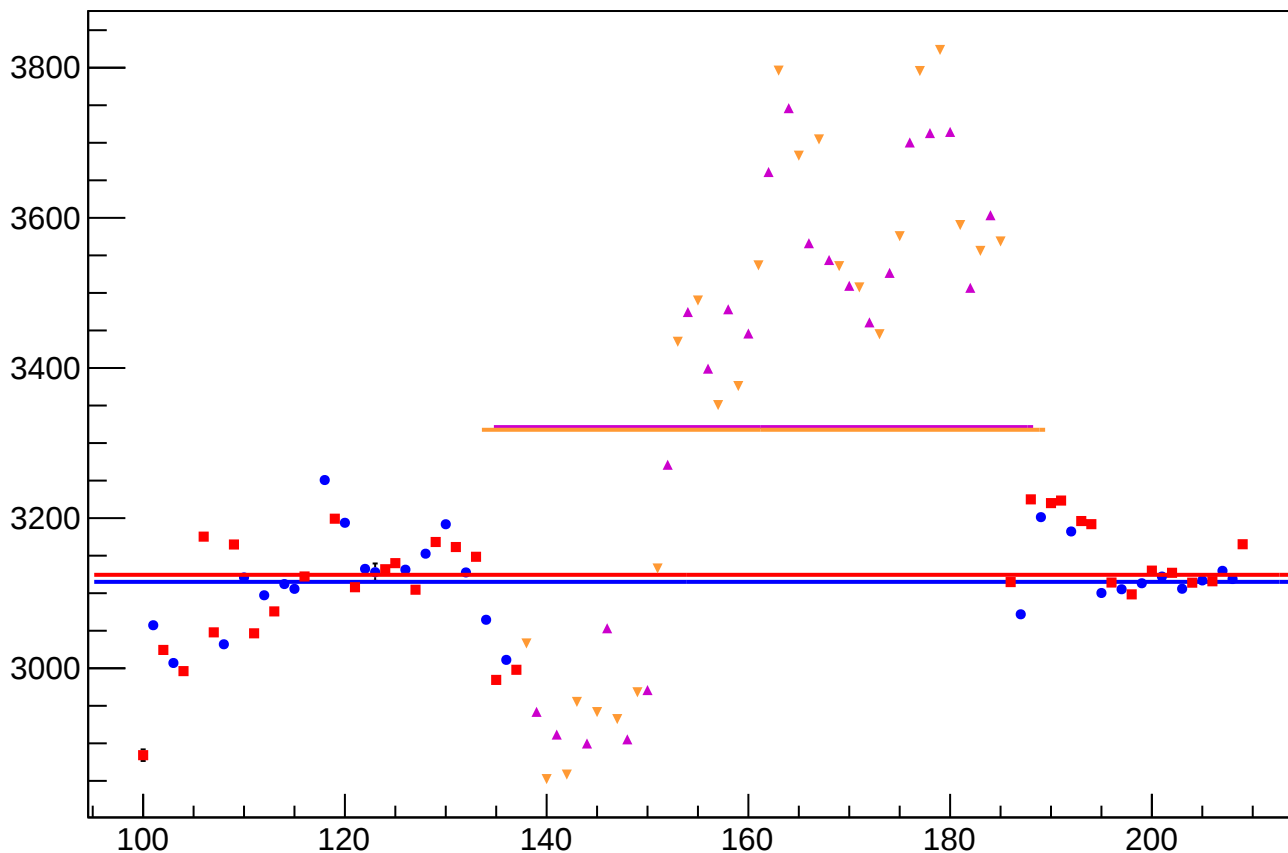
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -22.928 ± 0.563 χ^2/NDF : 1187.5/52

All: -9.654 ± 0.397 χ^2/NDF : 4959.4/107

- sign 3.466 ± 0.560 χ^2/NDF : 2667.7/54

diff_bpm0l01X_rms vs Slug



Right In: 3115.115+/-0.579 χ^2/NDF : 9233.1/27

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

Right Out: 3124.494+/-0.554 χ^2/NDF : 14017.1/31

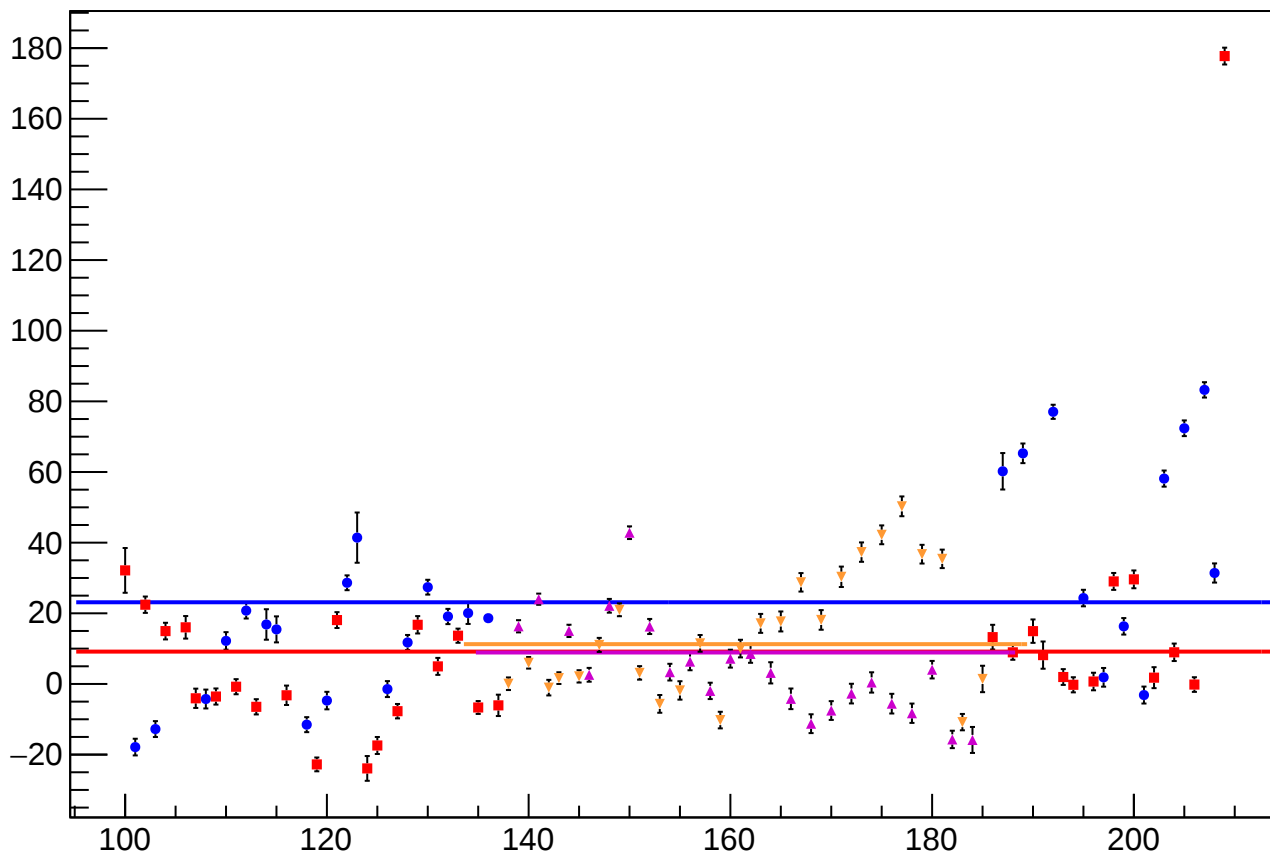
Left In: 3321.275+/-0.566 χ^2/NDF : 284334.2/22

+ sign 3221.754+/-0.398 χ^2/NDF : 410609.3/52

All: 3221.276+/-0.281 χ^2/NDF : 770673.8/107

- sign 3220.804+/-0.396 χ^2/NDF : 360061.6/54

diff_bpm0l01Y_mean vs Slug



Right In: 23.124 $\pm$ 0.446 χ^2 /NDF: 3960.0/27

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

Right Out: 9.158 $\pm$ 0.431 χ^2 /NDF: 6102.2/31

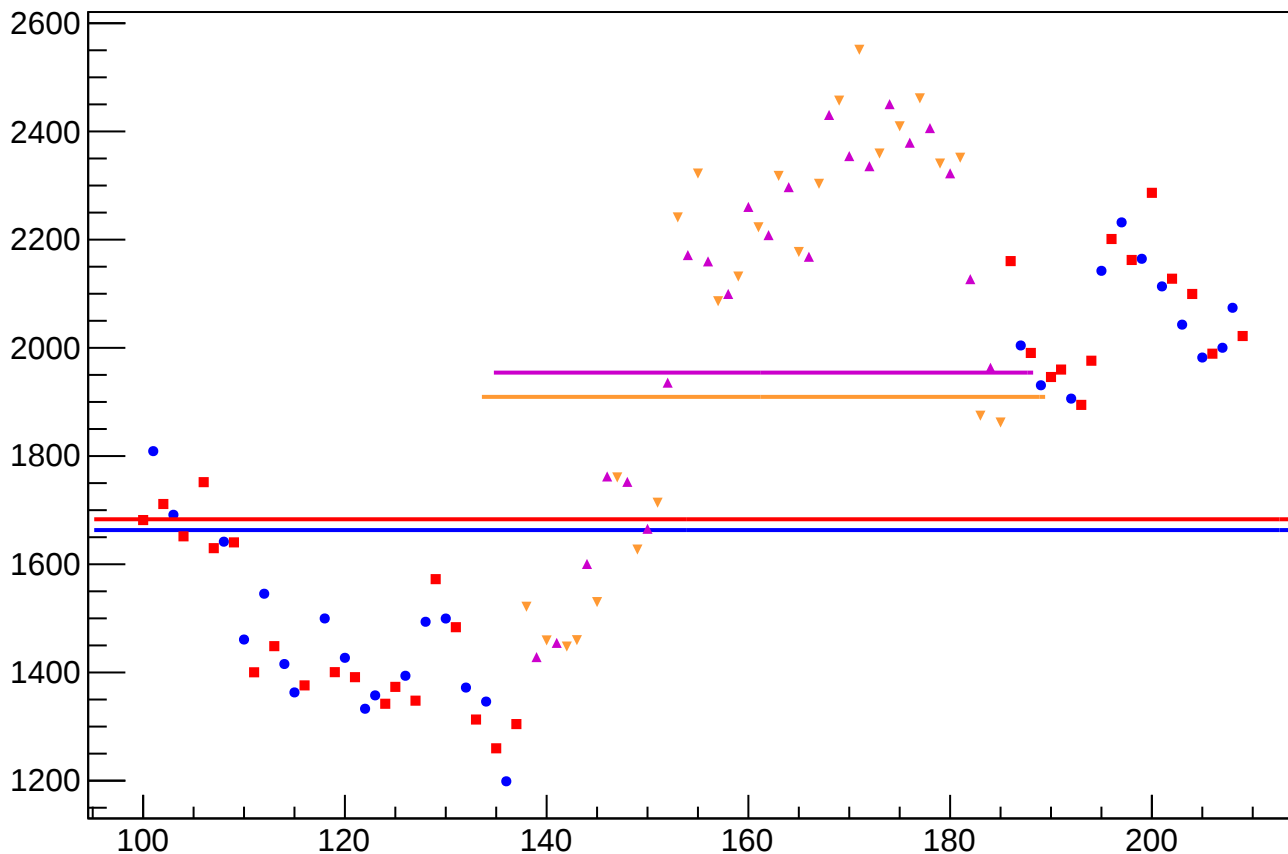
Left In: 8.905 $\pm$ 0.478 χ^2 /NDF: 936.3/22

+ sign 17.304 $\pm$ 0.318 χ^2 /NDF: 5448.5/52

All: 13.193 $\pm$ 0.226 χ^2 /NDF: 12822.2/107

- sign 9.044 $\pm$ 0.320 χ^2 /NDF: 7038.6/54

diff_bpm0l01Y_rms vs Slug



Right In: 1663.198 $\pm$ 0.315 χ^2 /NDF: 1076865.8/27

Left Out: 1909.387 $\pm$ 0.321 χ^2 /NDF:1398498.0/24

Right Out: 1683.170 $\pm$ 0.304 χ^2 /NDF: 1118532.3/31

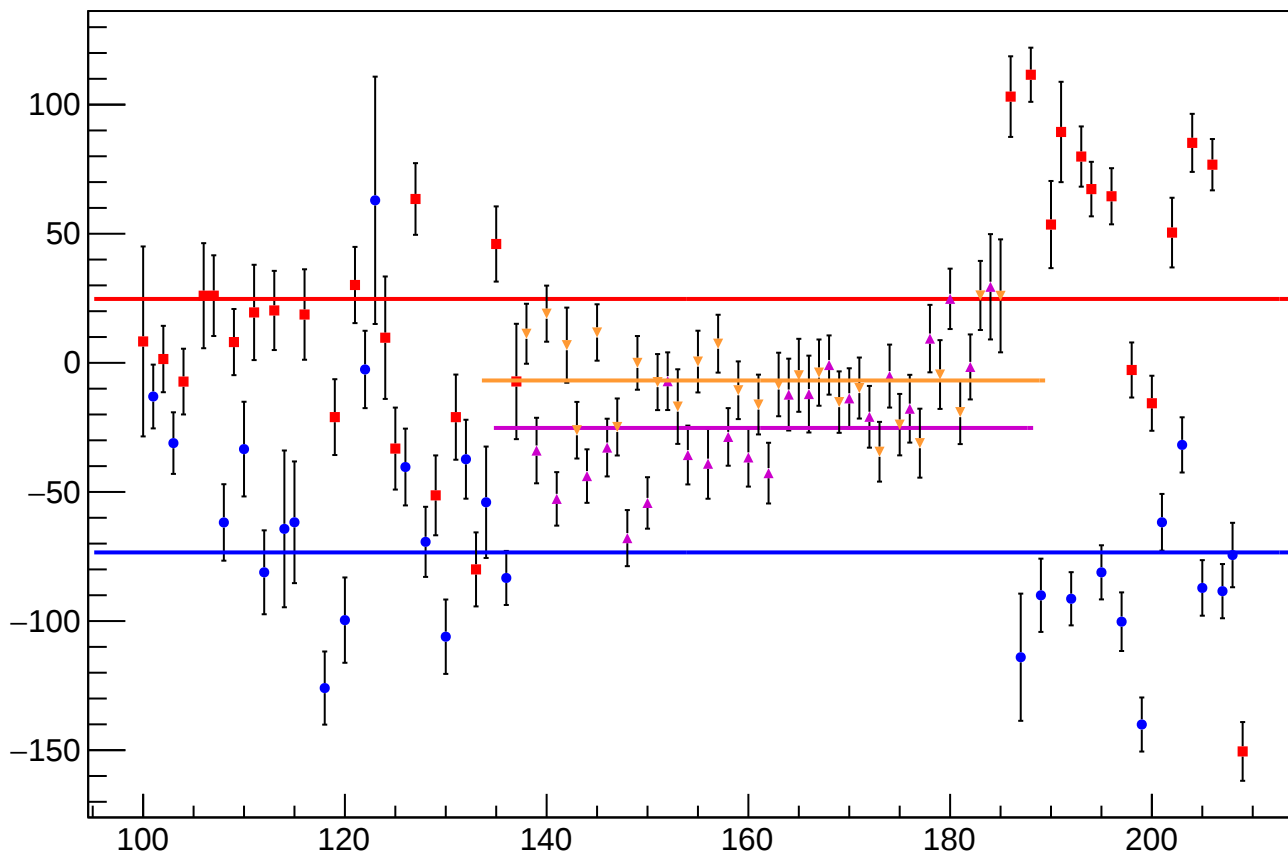
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

+ sign 1784.044 $\pm$ 0.225 χ^2 /NDF: 2774311.5/52

All: 1794.330 $\pm$ 0.160 χ^2 /NDF: 5297368.7/10

- sign 1804.708 $\pm$ 0.226 χ^2 /NDF: 2518862.1/54

diff_bpm0l02X_mean vs Slug



Right In: -73.418 ± 2.541 $\chi^2/\text{NDF}: 180.4/27$

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

Right Out: 24.747 ± 2.435 $\chi^2/\text{NDF}: 610.6/31$

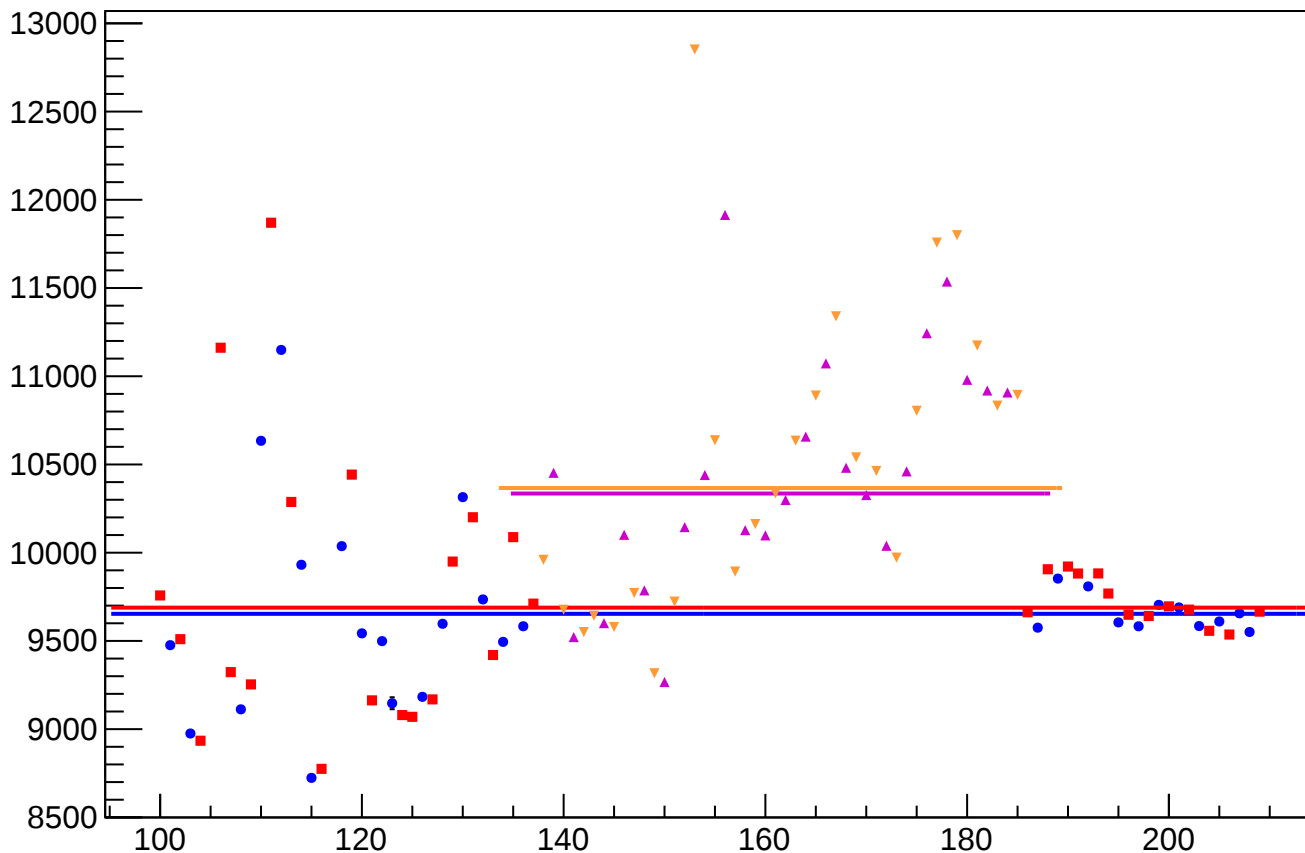
Left In: -25.215 ± 2.487 $\chi^2/\text{NDF}: 89.3/22$

+ sign -38.531 ± 1.753 $\chi^2/\text{NDF}: 582.5/52$

All: -18.971 ± 1.235 $\chi^2/\text{NDF}: 1735.3/107$

- sign 0.287 ± 1.740 $\chi^2/\text{NDF}: 905.9/54$

diff_bpm0l02X_rms vs Slug



Right In: 9653.626+/-1.797 χ^2/NDF : 45316.6/27

Left Out: 10366.534+/-1.713 χ^2/NDF : 211402.8/24

Right Out: 9688.534+/-1.722 χ^2/NDF : 80349.4/31

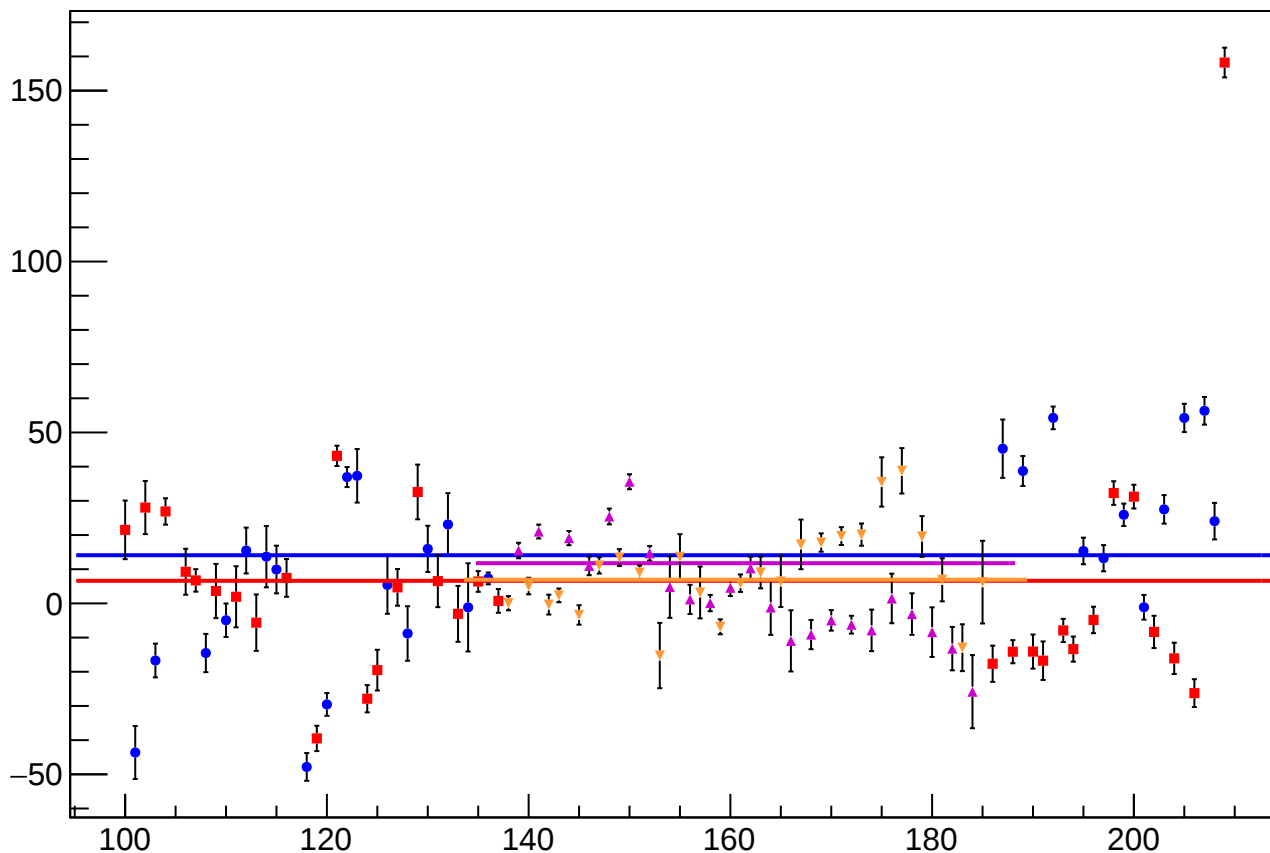
Left In: 10335.399+/-1.758 χ^2/NDF : 127173.0/22

+ sign 10027.105+/-1.240 χ^2/NDF : 339184.9/52

All: 10016.077+/-0.873 χ^2/NDF : 615949.4/100

- sign 10005.219+/-1.230 χ^2/NDF : 276607.5/54

diff_bpm0l02Y_mean vs Slug



Right In: 14.090 $\pm$ 0.803 χ^2 /NDF: 1077.3/27

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

Right Out: 6.611 $\pm$ 0.783 χ^2 /NDF: 2024.7/31

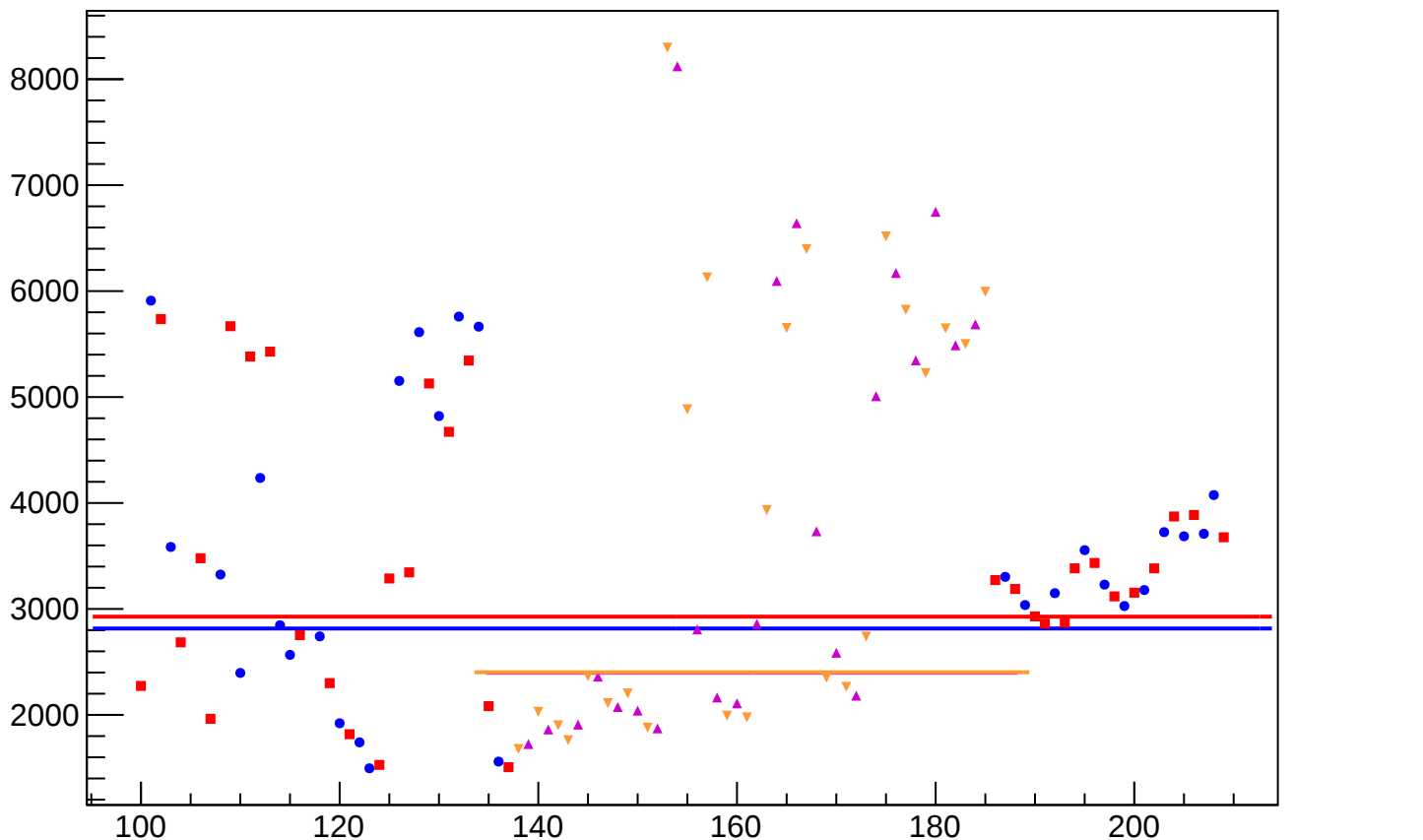
Left In: 11.766 $\pm$ 0.648 χ^2 /NDF: 395.1/22

+ sign 9.710 $\pm$ 0.500 χ^2 /NDF: 1329.7/52

All: 9.689 $\pm$ 0.353 χ^2 /NDF: 3775.3/107

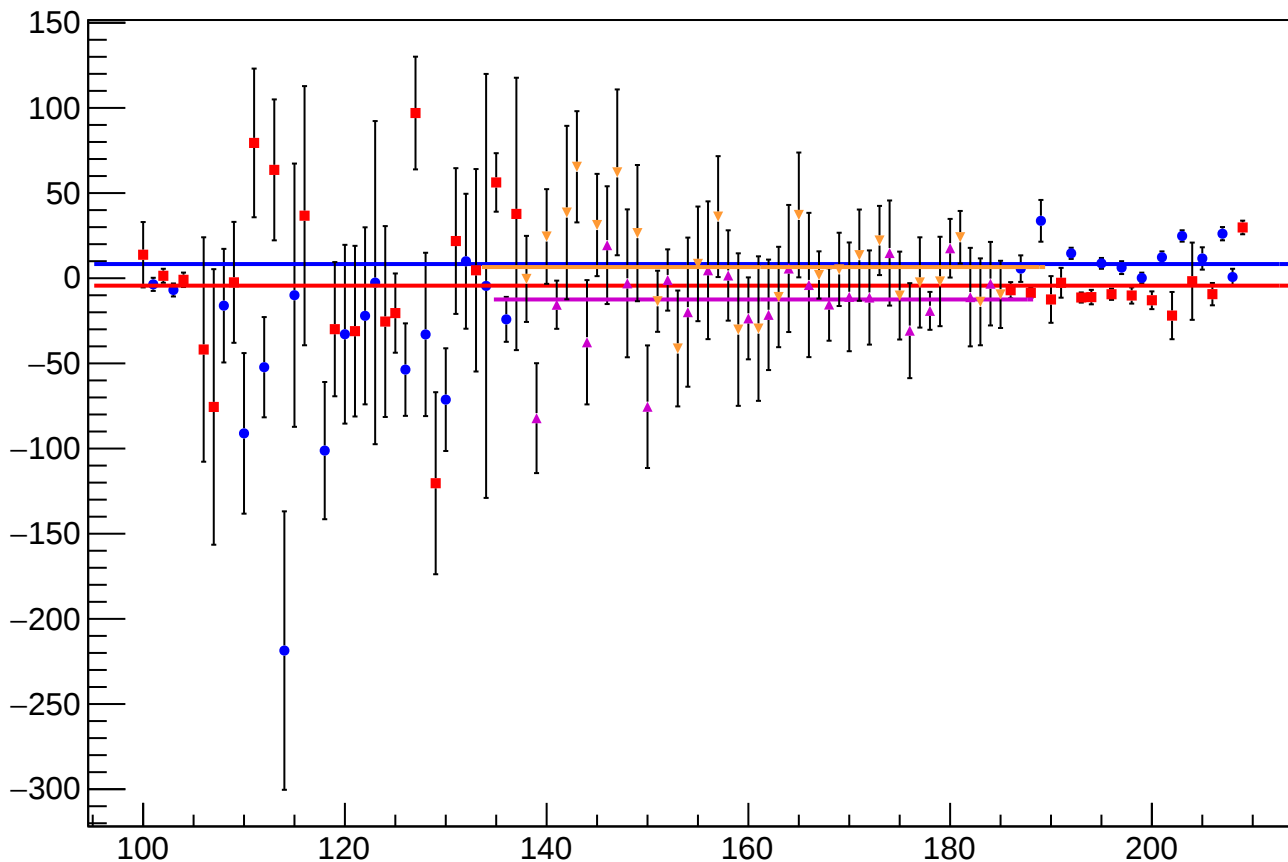
- sign 9.668 $\pm$ 0.499 χ^2 /NDF: 2445.6/54

diff_bpm0l02Y_rms vs Slug



Right In: 2815.475+/-0.568	χ^2/NDF : 3456751.0/27	+ sign 2562.461+/-0.353	χ^2/NDF : 10126951.5/52
Left Out: 2402.359+/-0.452	χ^2/NDF : 6345982.8/24	All: 2587.878+/-0.250	χ^2/NDF : 19018414.9/1
Right Out: 2927.243+/-0.553	χ^2/NDF : 2939189.4/31	- sign 2613.233+/-0.353	χ^2/NDF : 8881134.7/54
Left In: 2397.701+/-0.458	χ^2/NDF : 5398920.1/22		

diff_bpm0l03X_mean vs Slug



Right In: 8.325 ± 1.089 χ^2/NDF : 134.3/27

Left Out: 6.560 ± 5.077 χ^2/NDF : 16.8/24

Right Out: -4.355 ± 1.164 χ^2/NDF : 132.4/31

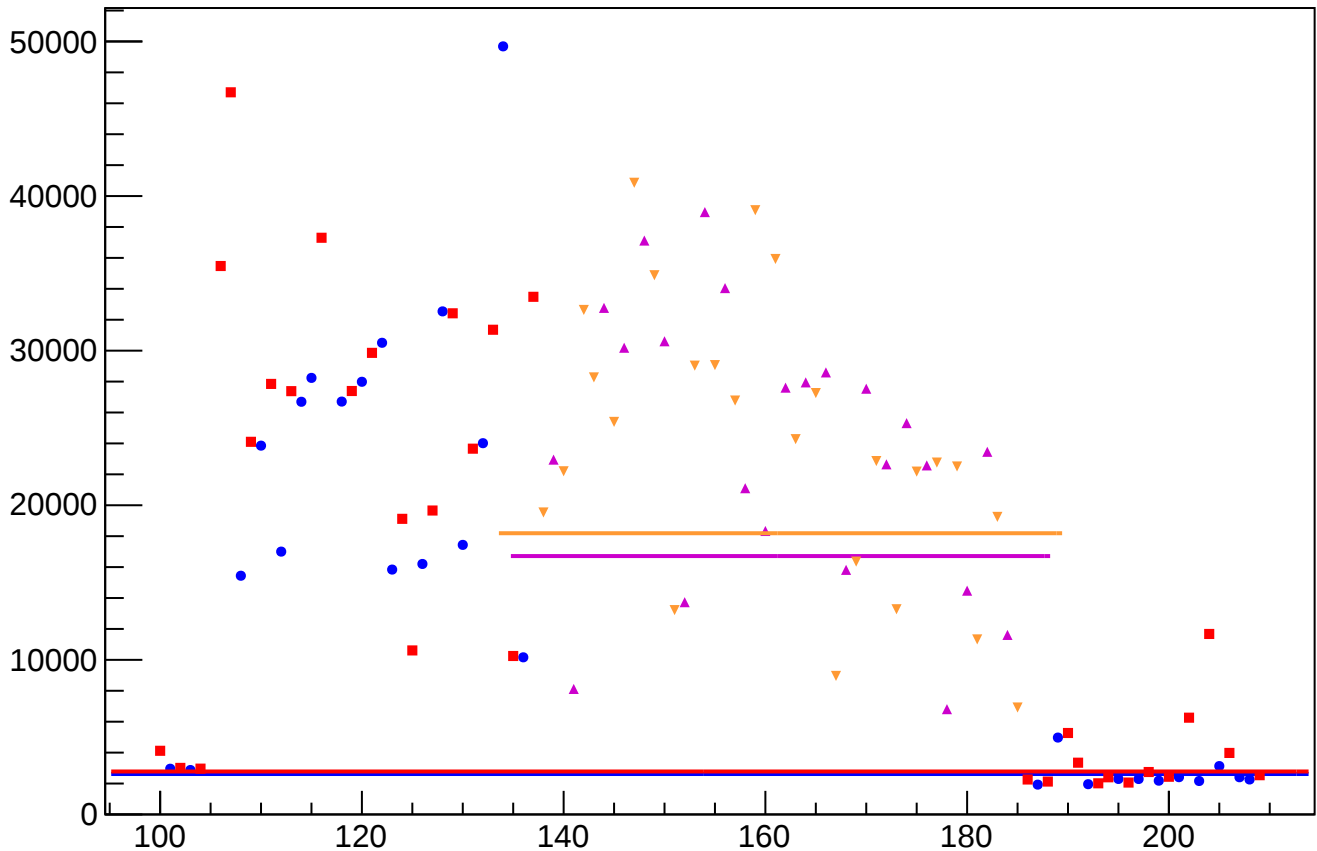
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign 8.247 ± 1.065 χ^2/NDF : 151.2/52

All: 2.149 ± 0.776 χ^2/NDF : 371.4/107

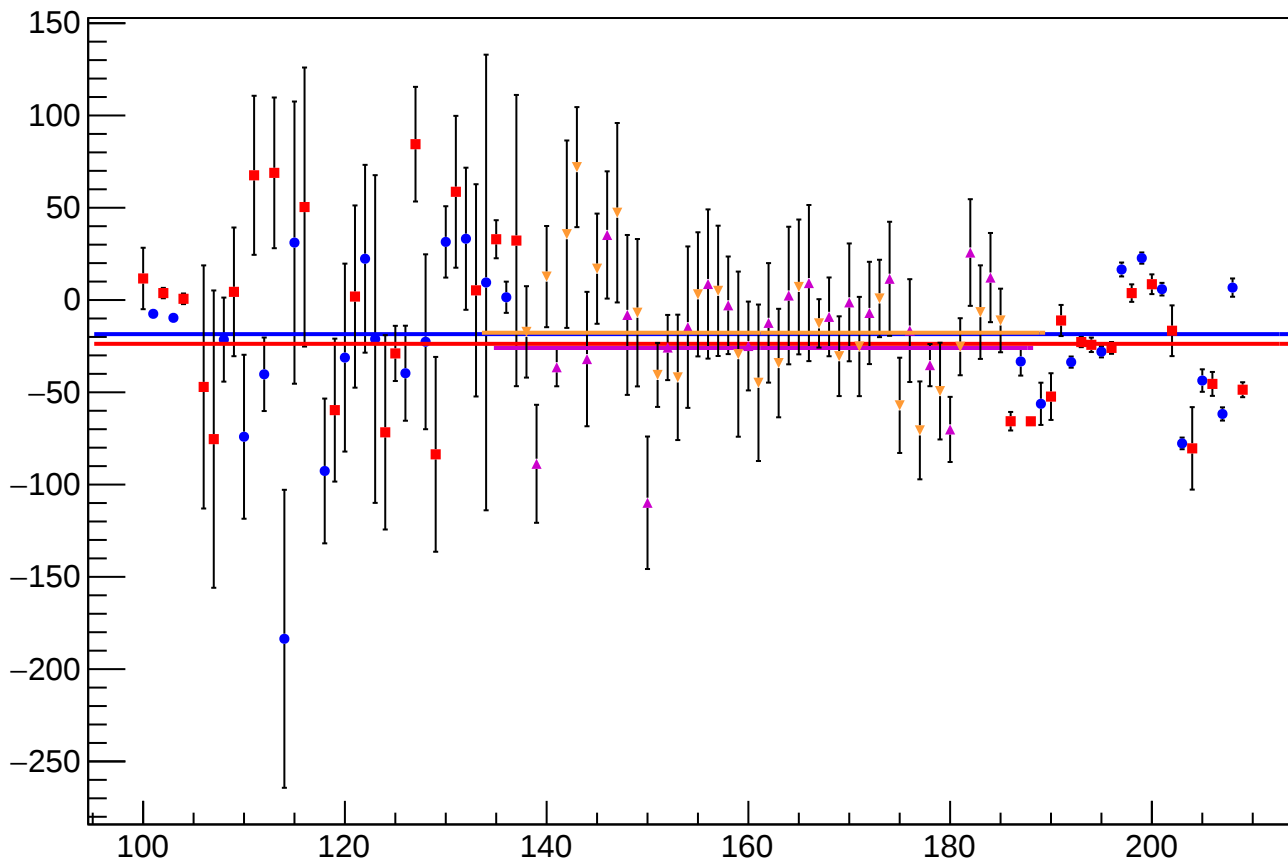
- sign -4.768 ± 1.134 χ^2/NDF : 150.2/54

diff_bpm0l03X_rms vs Slug



Right In: 2615.933+/-0.770	χ^2/NDF : 6997786.7/27	+ sign 3301.092+/-0.753	χ^2/NDF : 30249031.7/52
Left Out: 18190.387+/-3.590	χ^2/NDF : 5261328.5/24	All: 3389.206+/-0.549	χ^2/NDF : 60128950.2/31
Right Out: 2779.399+/-0.823	χ^2/NDF : 9062557.7/31	- sign 3489.140+/-0.802	χ^2/NDF : 29850698.8/54
Left In: 16713.653+/-3.553	χ^2/NDF : 6194178.8/22		

diff_bpm0l03Y_mean vs Slug



Right In: -18.478 ± 0.969 χ^2/NDF : 963.4/27

Left Out: -17.717 ± 4.974 χ^2/NDF : 27.2/24

Right Out: -23.738 ± 1.035 χ^2/NDF : 679.0/31

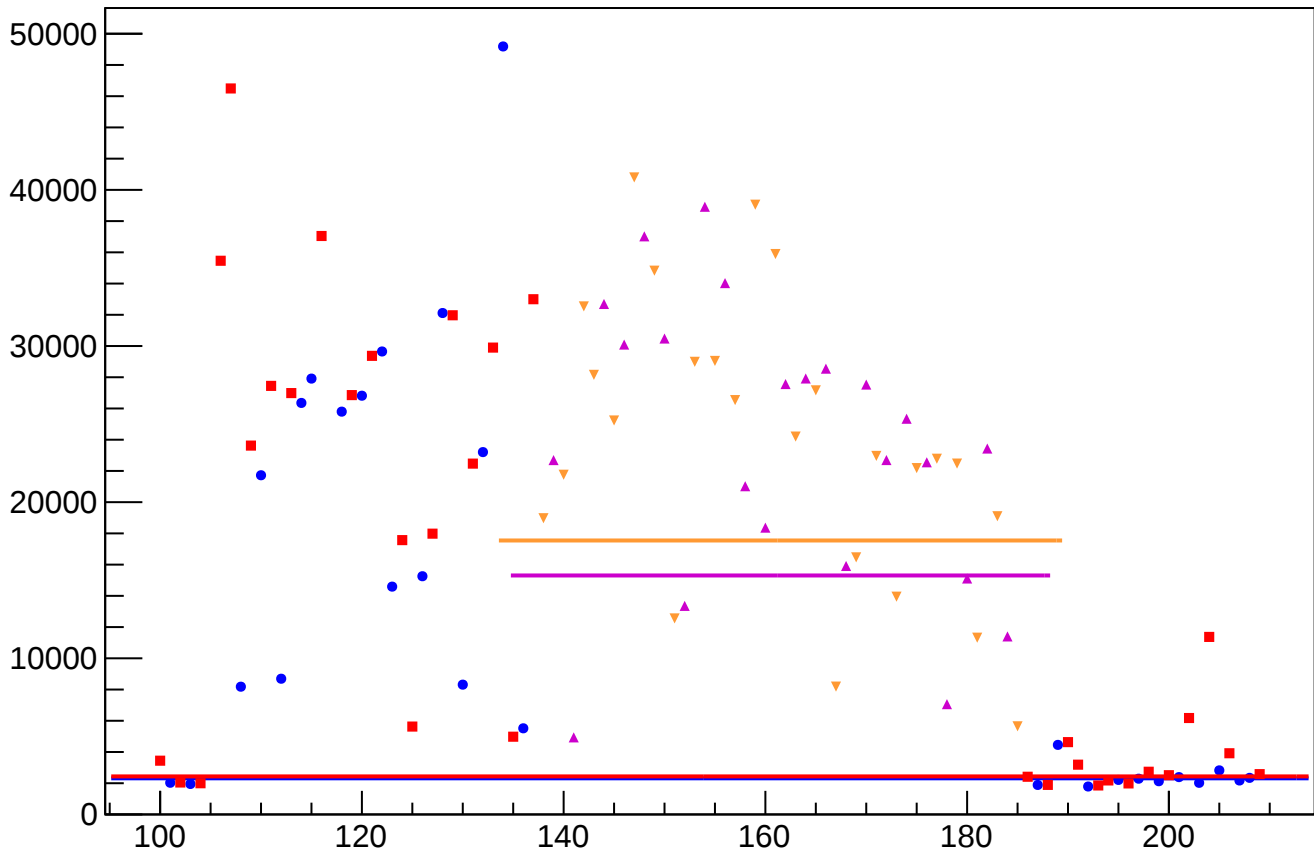
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -18.450 ± 0.951 χ^2/NDF : 990.6/52

All: -20.979 ± 0.693 χ^2/NDF : 1717.5/107

- sign -23.838 ± 1.012 χ^2/NDF : 711.8/54

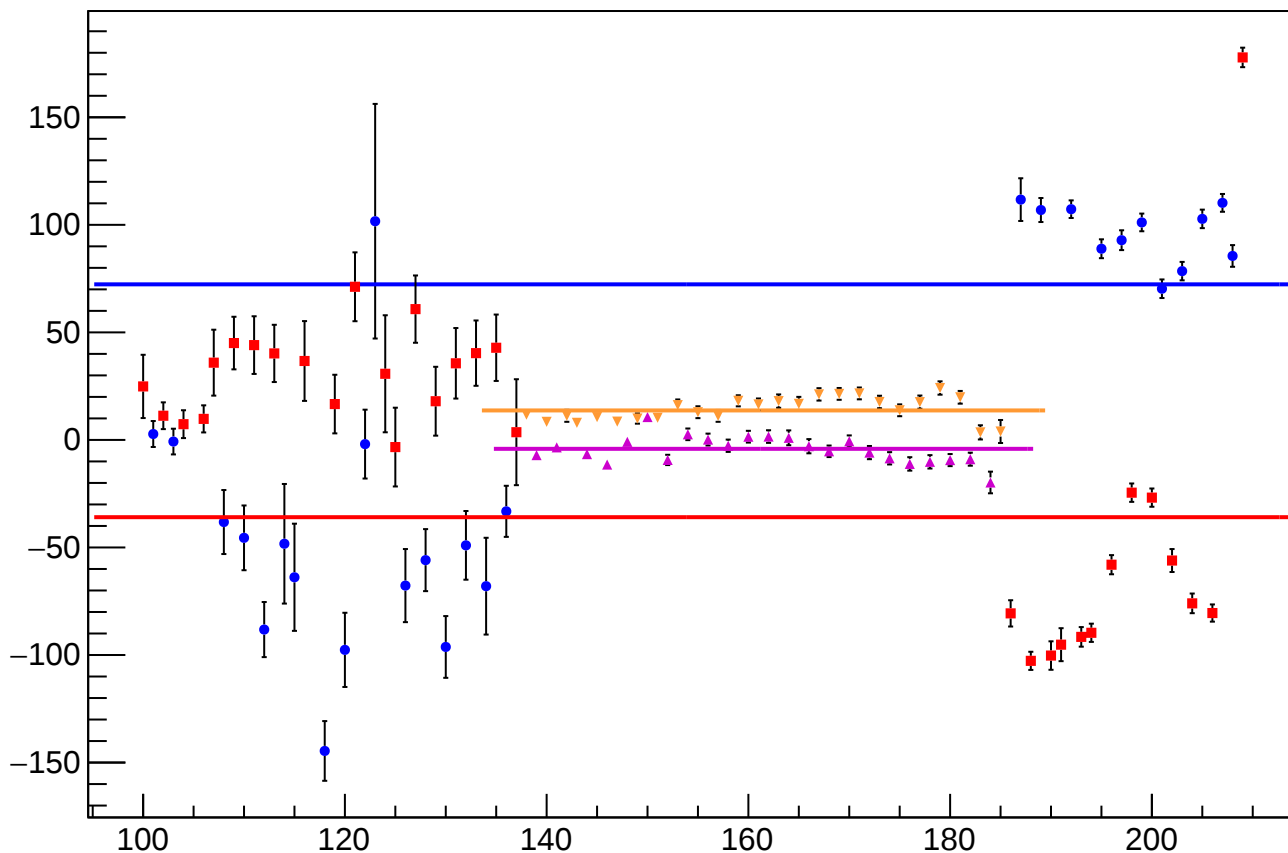
diff_bpm0l03Y_rms vs Slug



Right In: 2314.517 ± 0.685 $\chi^2/\text{NDF}: 5812391.2/27$
 Left Out: 17546.173 ± 3.517 $\chi^2/\text{NDF}: 5902620.4/24$
 Right Out: 2436.812 ± 0.732 $\chi^2/\text{NDF}: 8749904.9/31$
 Left In: 15305.311 ± 3.386 $\chi^2/\text{NDF}: 7721177.0/22$

+ sign 2871.793 ± 0.673 $\chi^2/\text{NDF}: 29781988.9/52$
 All: 2937.212 ± 0.490 $\chi^2/\text{NDF}: 60070307.8/1$
 - sign 3011.184 ± 0.715 $\chi^2/\text{NDF}: 30268172.4/54$

diff_bpm0l04X_mean vs Slug



Right In: 72.333 ± 1.258 χ^2/NDF : 1781.2/27

Left Out: 13.710 ± 0.535 χ^2/NDF : 89.9/24

Right Out: -35.923 ± 1.177 χ^2/NDF : 3754.8/31

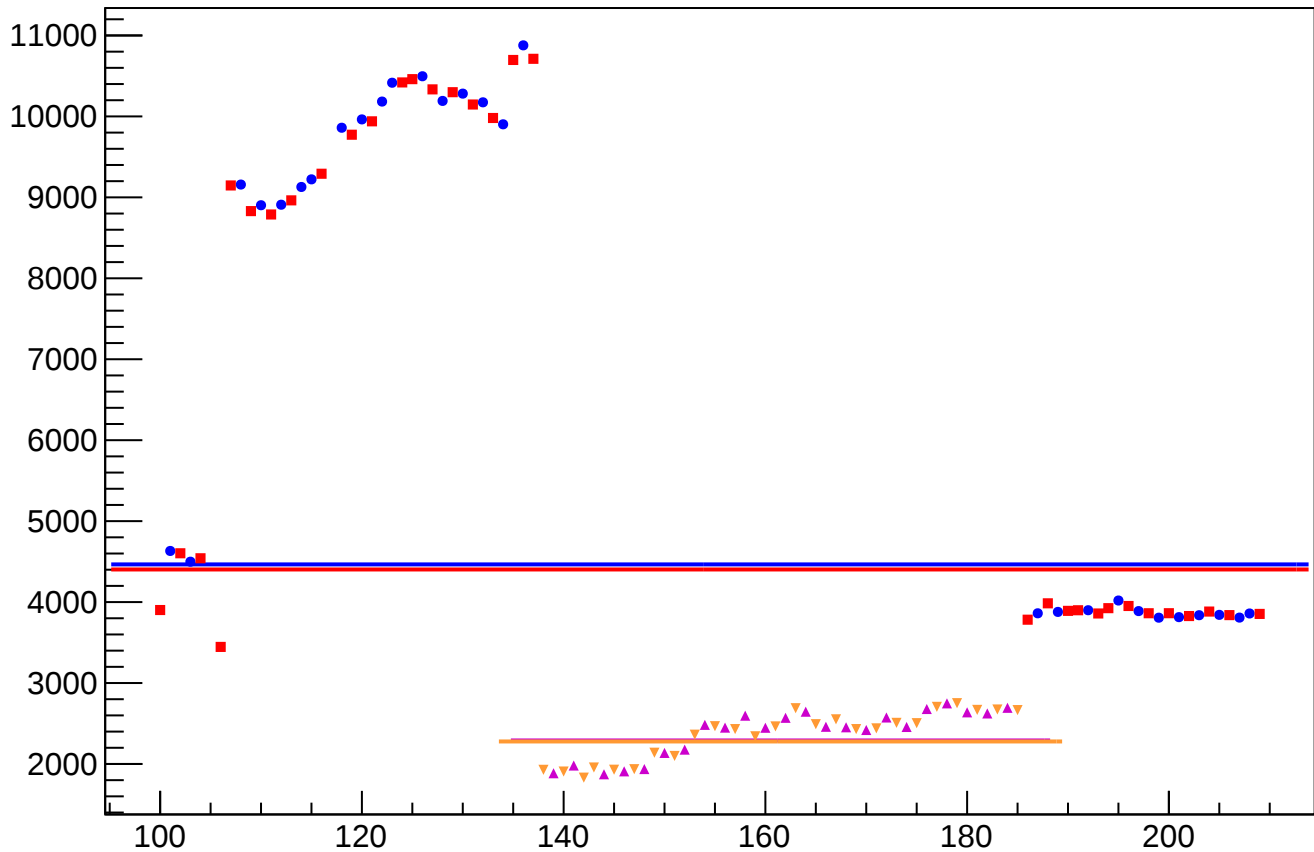
Left In: -4.141 ± 0.555 χ^2/NDF : 111.7/22

+ sign 22.701 ± 0.492 χ^2/NDF : 3710.9/52

All: 6.698 ± 0.352 χ^2/NDF : 10325.7/107

- sign -9.917 ± 0.502 χ^2/NDF : 4462.9/54

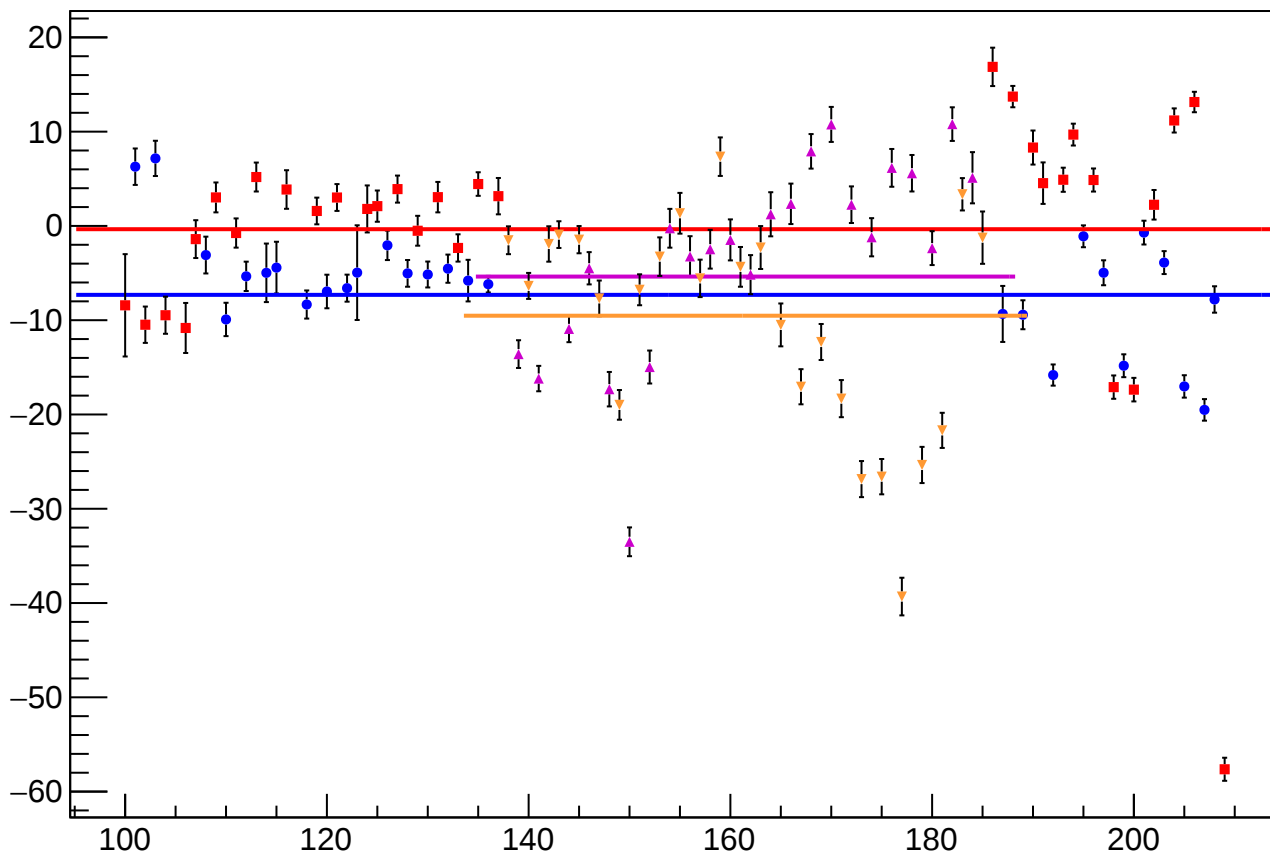
diff_bpm0l04X_rms vs Slug



Right In: 4465.482 ± 0.889 χ^2/NDF : 3760371.5/27
 Left Out: 2278.115 ± 0.378 χ^2/NDF : 607109.4/24
 Right Out: 4402.817 ± 0.832 χ^2/NDF : 3815835.2/31
 Left In: 2290.461 ± 0.392 χ^2/NDF : 590272.1/22

+ sign 2613.588 ± 0.348 χ^2/NDF : 9490135.5/52
 All: 2643.426 ± 0.249 χ^2/NDF : 19181010.7/100
 - sign 2674.409 ± 0.355 χ^2/NDF : 9675911.3/54

diff_bpm0l04Y_mean vs Slug



Right In: -7.311 ± 0.277 χ^2/NDF : 488.6/27

Left Out: -9.524 ± 0.365 χ^2/NDF : 884.1/24

Right Out: -0.348 ± 0.267 χ^2/NDF : 3298.0/31

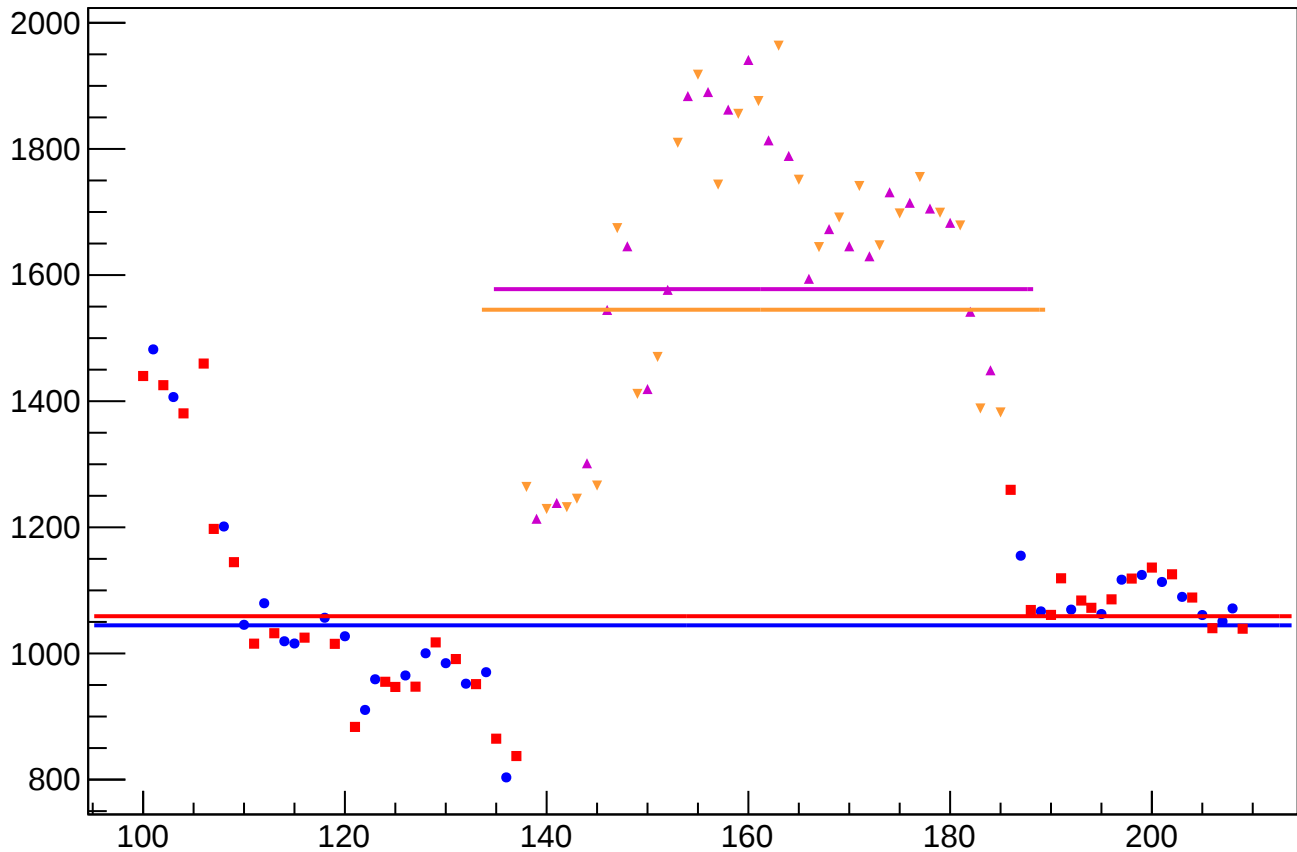
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -8.119 ± 0.220 χ^2/NDF : 1396.1/52

All: -5.041 ± 0.155 χ^2/NDF : 6067.9/107

- sign -1.995 ± 0.219 χ^2/NDF : 4283.6/54

diff_bpm0l04Y_rms vs Slug



Right In: 1044.595 $\pm$ 0.196 χ^2 /NDF: 411128.4/27

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

Right Out: 1059.071 $\pm$ 0.189 χ^2 /NDF: 388164.2/31

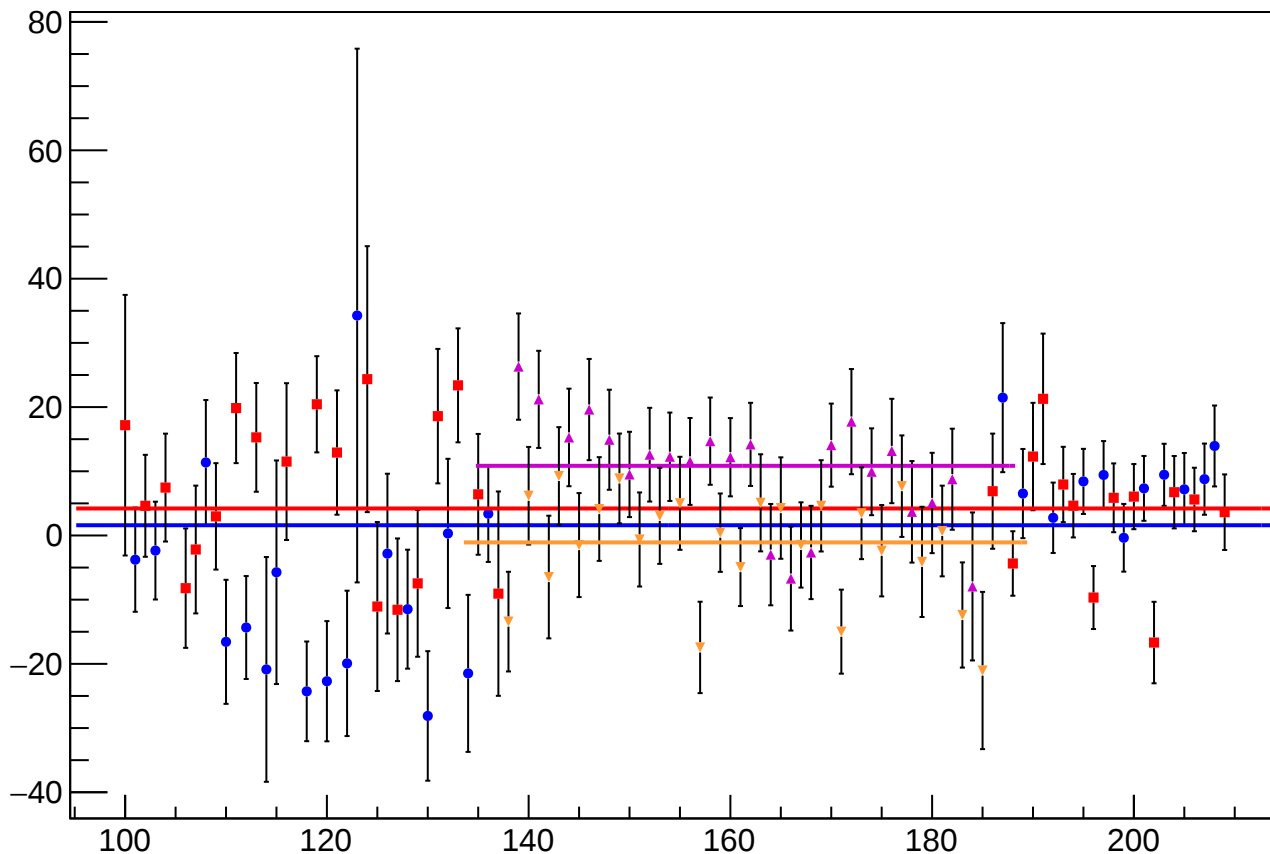
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1227.247 $\pm$ 0.156 χ^2 /NDF: 3644459.0/52

All: 1228.161 $\pm$ 0.110 χ^2 /NDF: 7124434.3/10

- sign 1229.064 $\pm$ 0.155 χ^2 /NDF: 3479906.9/54

diff_bpm0l05X_mean vs Slug



Right In: 1.593 ± 1.394 χ^2/NDF : 65.6/27

Left Out: -1.083 ± 1.487 χ^2/NDF : 27.5/24

Right Out: 4.205 ± 1.314 χ^2/NDF : 52.9/31

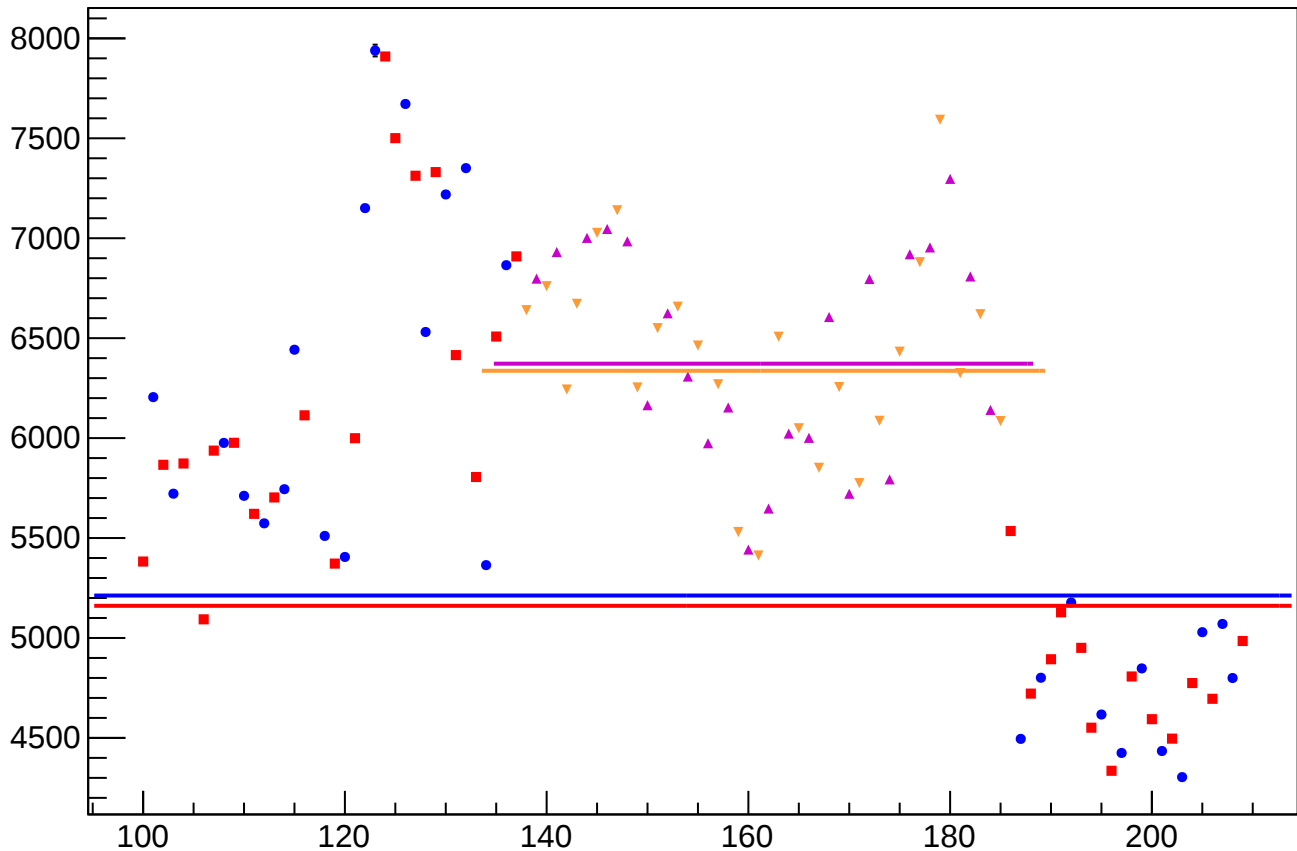
Left In: 10.851 ± 1.542 χ^2/NDF : 24.4/22

+ sign 0.342 ± 1.017 χ^2/NDF : 94.8/52

All: 3.727 ± 0.713 χ^2/NDF : 204.6/107

- sign 7.001 ± 1.000 χ^2/NDF : 88.0/54

diff_bpm0l05X_rms vs Slug



Right In: 5212.298+/-0.985 χ^2/NDF : 732386.4/27

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

Right Out: 5160.921+/-0.929 χ^2/NDF : 649554.4/31

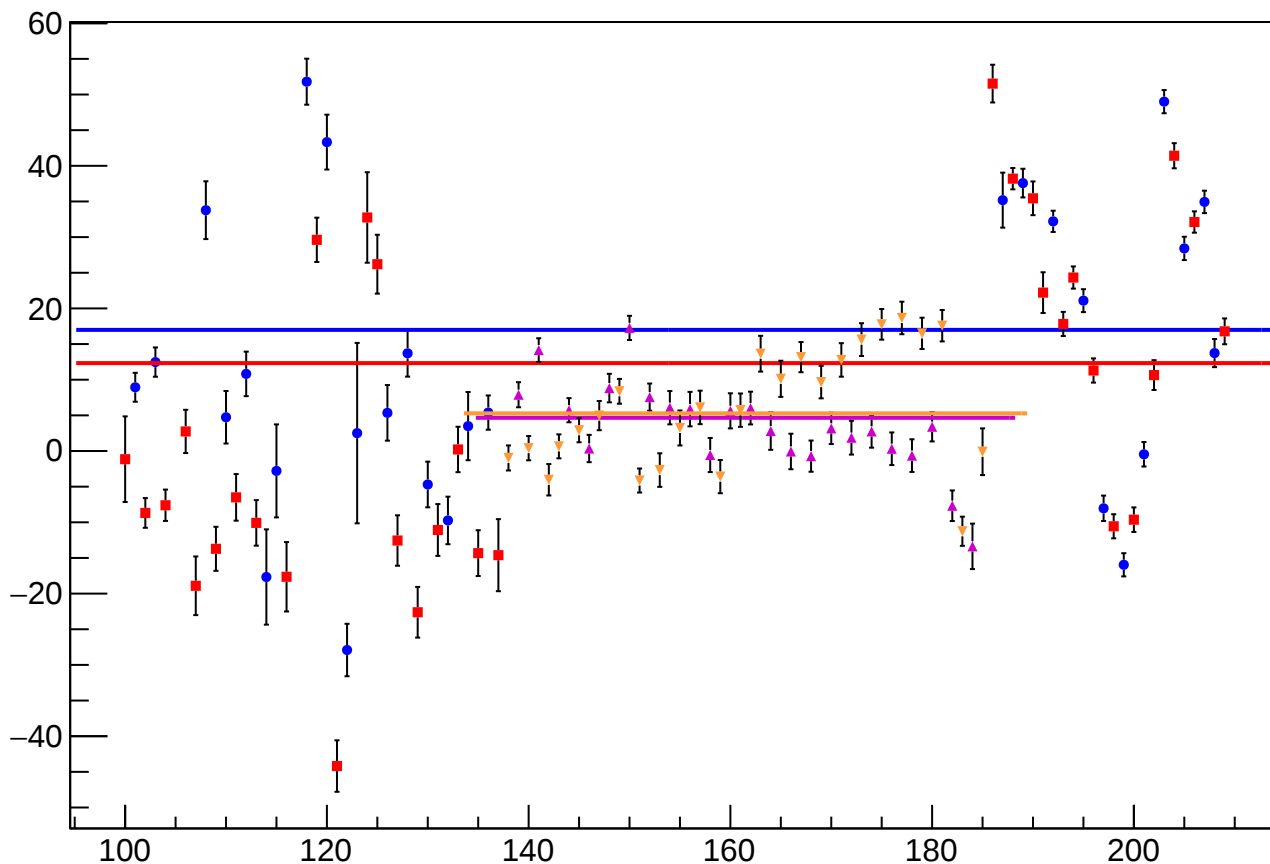
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

+ sign 5738.084+/-0.719 χ^2/NDF : 1564253.0/52

All: 5703.762+/-0.504 χ^2/NDF : 3180967.5/10

- sign 5670.575+/-0.707 χ^2/NDF : 1612232.9/54

diff_bpm0l05Y_mean vs Slug



Right In: 16.990 $\pm$ 0.440 χ^2 /NDF: 2070.8/27

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

Right Out: 12.331 $\pm$ 0.419 χ^2 /NDF: 2542.0/31

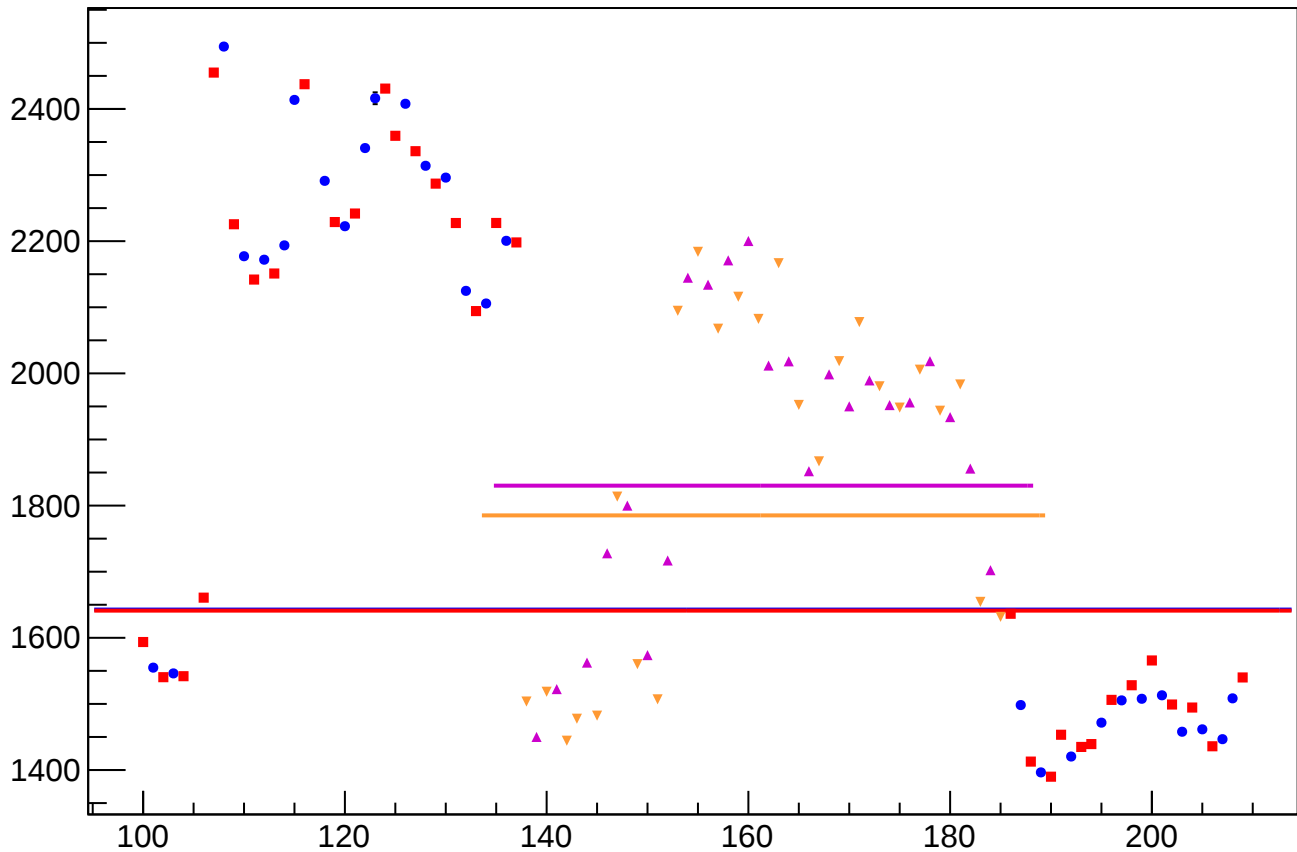
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF:196.5/22

+ sign 10.875 $\pm$ 0.304 χ^2 /NDF: 2806.6/52

All: 9.794 $\pm$ 0.215 χ^2 /NDF: 5728.6/107

- sign 8.710 $\pm$ 0.305 χ^2 /NDF: 2896.7/54

diff_bpm0l05Y_rms vs Slug



Right In: 1642.714+/-0.311 χ^2/NDF : 1083449.2/27

Left Out: 1785.179+/-0.297 χ^2/NDF : 750628.1/24

Right Out: 1641.132+/-0.296 χ^2/NDF : 1088925.8/31

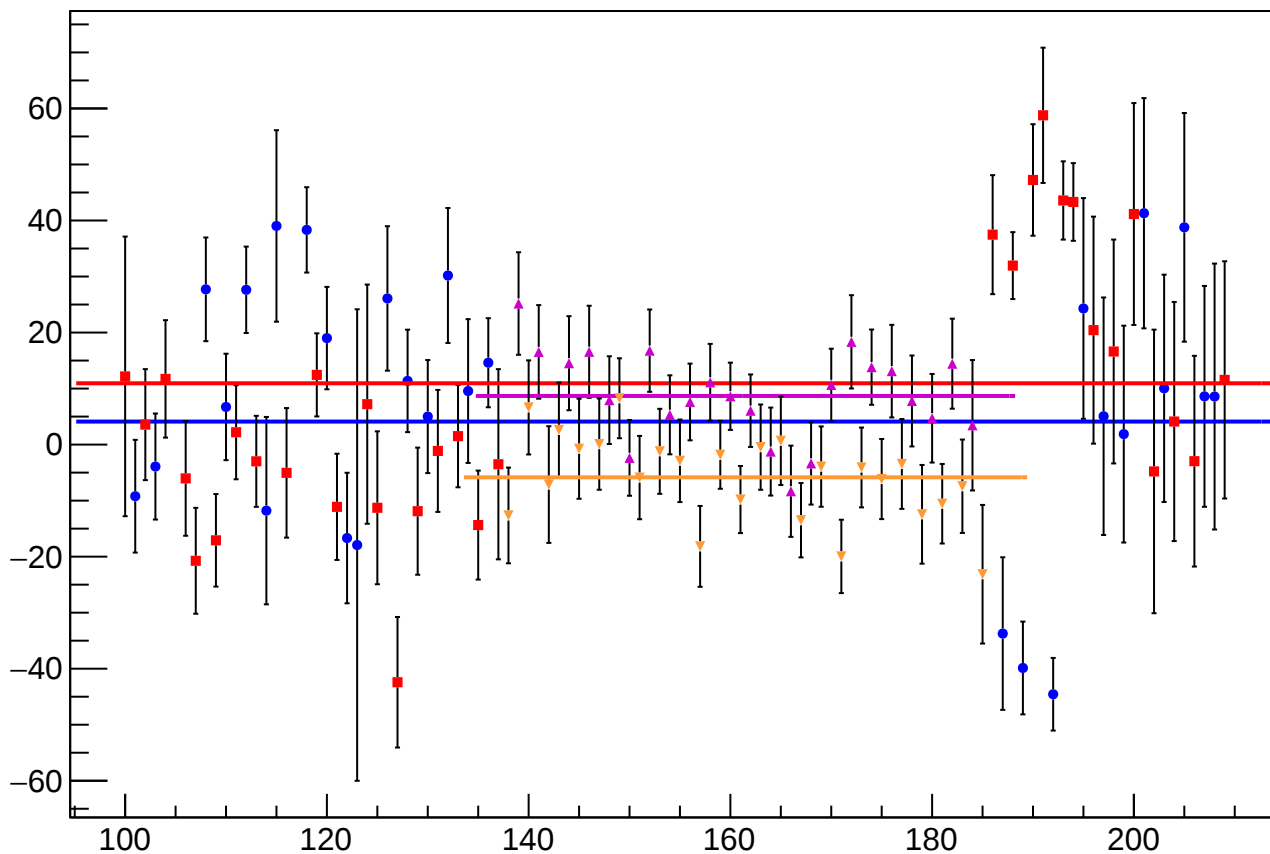
Left In: 1830.160+/-0.313 χ^2/NDF : 508391.9/22

+ sign 1717.131+/-0.215 χ^2/NDF : 1943635.8/52

All: 1723.719+/-0.152 χ^2/NDF : 3734857.5/100

- sign 1730.330+/-0.215 χ^2/NDF : 1789340.1/54

diff_bpm0l06X_mean vs Slug



Right In: 4.110 ± 2.112 χ^2/NDF : 159.6/27

Left Out: -5.840 ± 1.518 χ^2/NDF : 23.3/24

Right Out: 10.946 ± 1.854 χ^2/NDF : 169.8/31

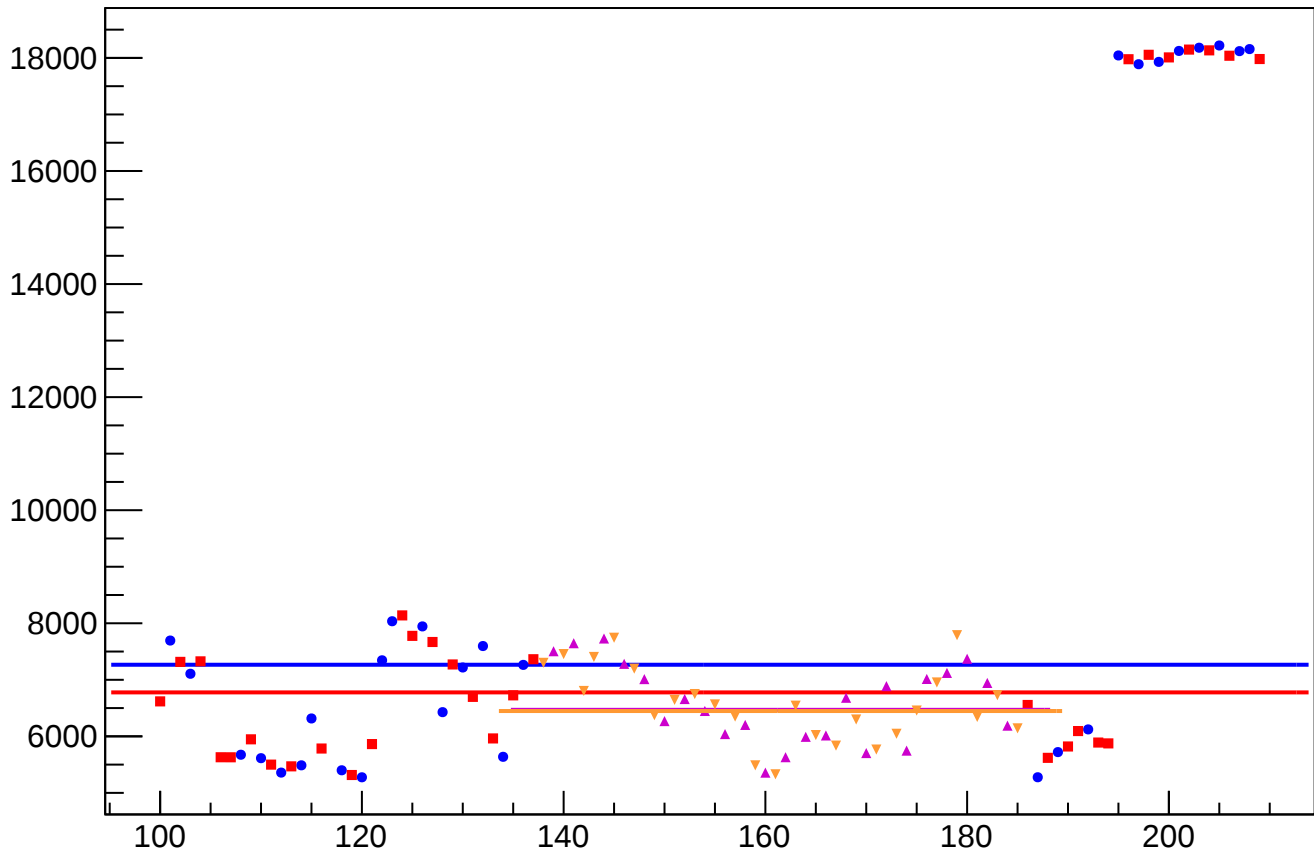
Left In: 8.683 ± 1.571 χ^2/NDF : 21.9/22

+ sign -2.451 ± 1.233 χ^2/NDF : 197.6/52

All: 3.761 ± 0.859 χ^2/NDF : 439.6/107

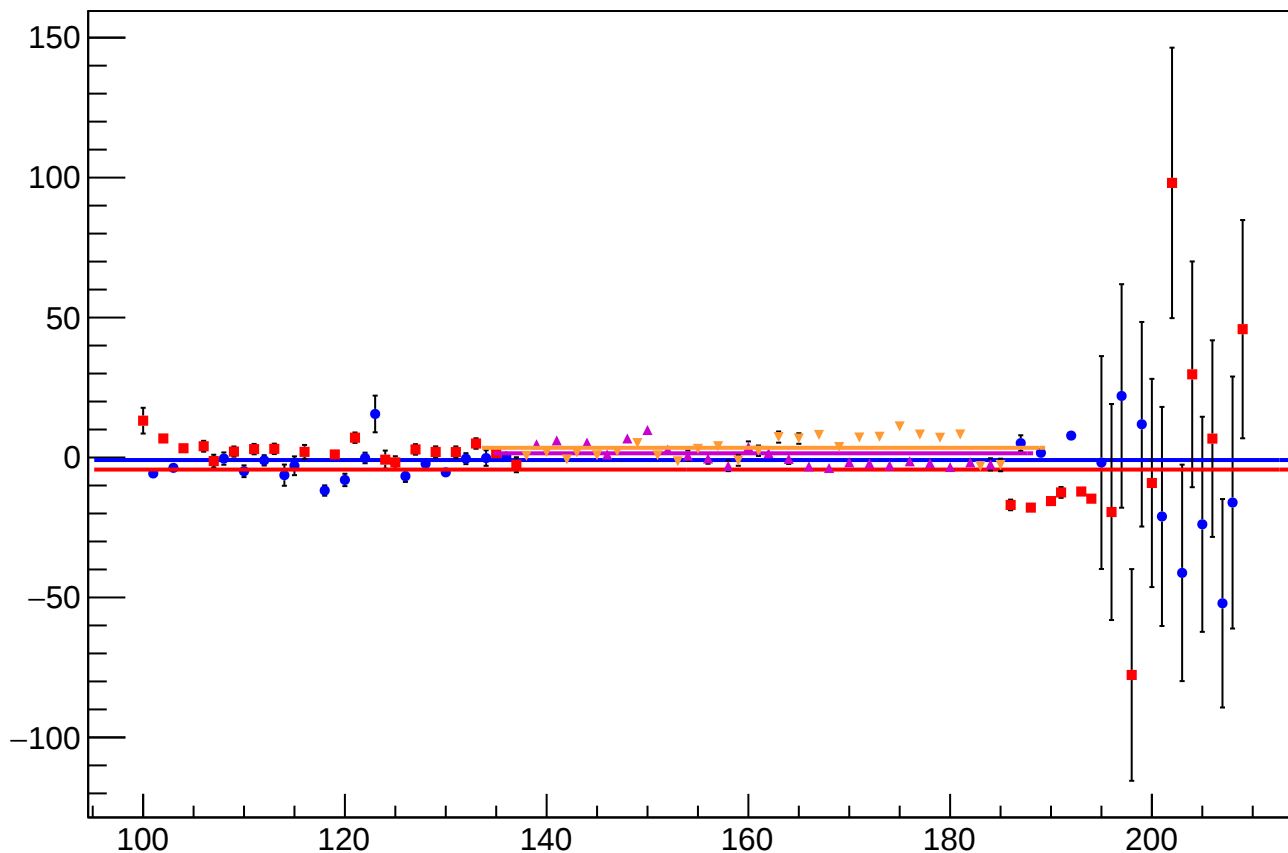
- sign 9.629 ± 1.198 χ^2/NDF : 192.6/54

diff_bpm0l06X_rms vs Slug



Right In: 7266.349+/-1.494	χ^2/NDF : 5170580.3/27	+ sign 6726.595+/-0.872	χ^2/NDF : 5740326.0/52
Left Out: 6447.712+/-1.074	χ^2/NDF : 371671.1/24	All: 6660.349+/-0.608	χ^2/NDF : 10821194.8/1
Right Out: 6777.271+/-1.311	χ^2/NDF : 4654094.2/31	- sign 6597.765+/-0.847	χ^2/NDF : 5069638.7/54
Left In: 6468.902+/-1.111	χ^2/NDF : 383325.4/22		

diff_bpm0l06Y_mean vs Slug



Right In: -0.903 ± 0.406 χ^2/NDF : 175.5/27

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

Right Out: -4.309 ± 0.355 χ^2/NDF : 672.9/31

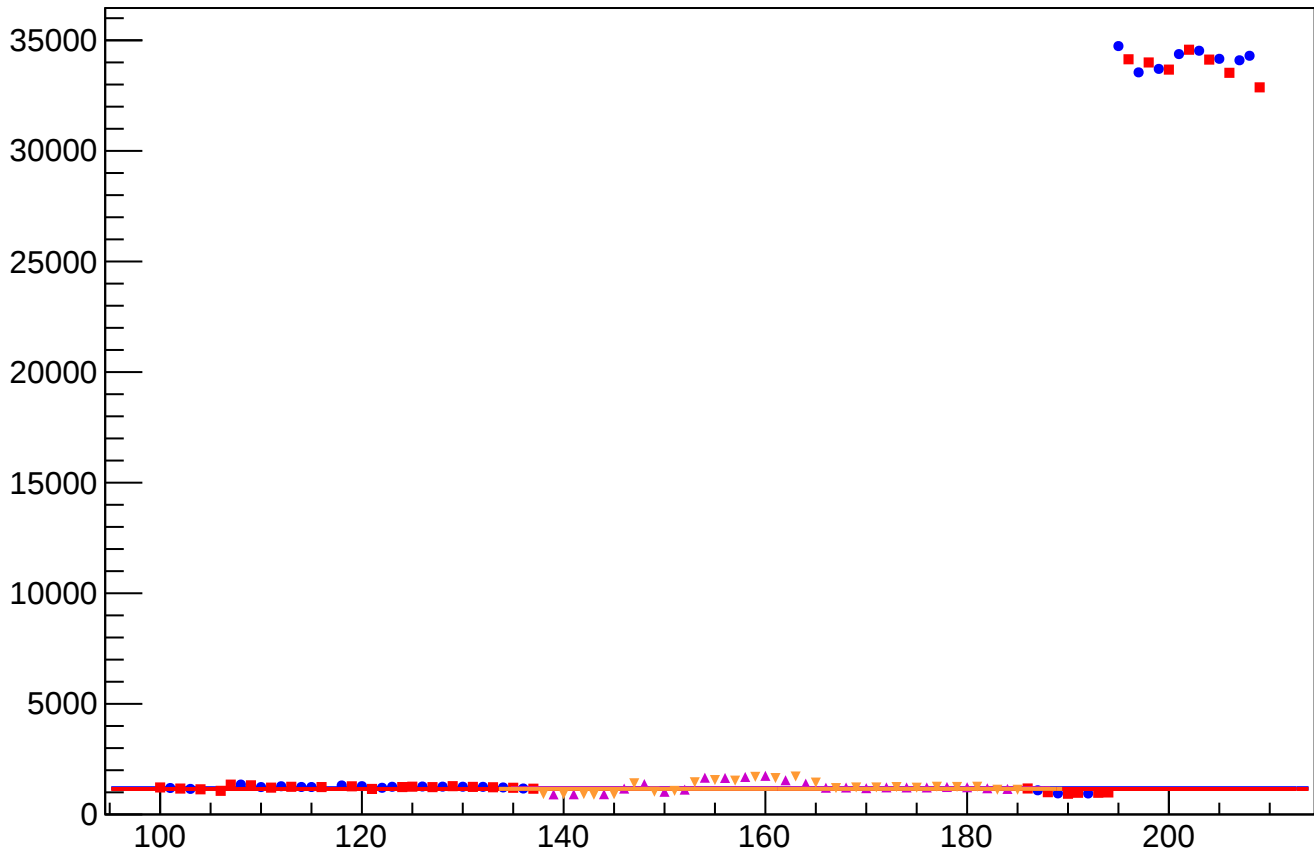
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.084 ± 0.228 χ^2/NDF : 430.8/52

All: 0.602 ± 0.160 χ^2/NDF : 1550.1/107

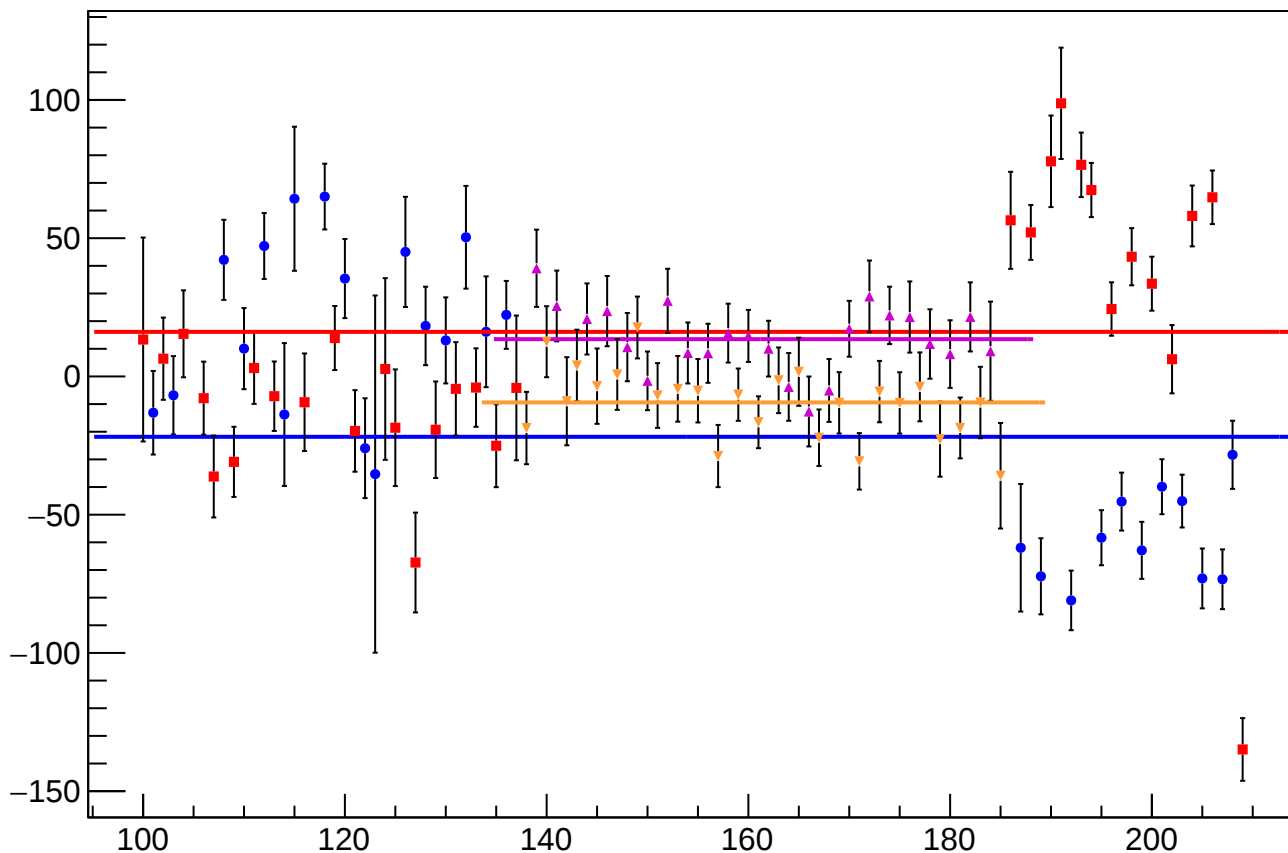
- sign -0.834 ± 0.225 χ^2/NDF : 1036.3/54

diff_bpm0l06Y_rms vs Slug



Right In: 1187.720+/-0.287	χ^2/NDF : 11716655.3/27	+ sign 1168.034+/-0.161	χ^2/NDF : 13133977.4/52
Left Out: 1158.894+/-0.195	χ^2/NDF : 1410423.6/24	All: 1169.784+/-0.113	χ^2/NDF : 24399715.0/1
Right Out: 1151.413+/-0.251	χ^2/NDF : 10064361.3/31	- sign 1171.480+/-0.159	χ^2/NDF : 11265506.2/54
Left In: 1184.966+/-0.206	χ^2/NDF : 1190431.5/22		

diff_bpm0l07X_mean vs Slug



Right In: -21.831 ± 2.525 $\chi^2/\text{NDF}: 331.0/27$

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

Right Out: 16.127 ± 2.368 $\chi^2/\text{NDF}: 414.4/31$

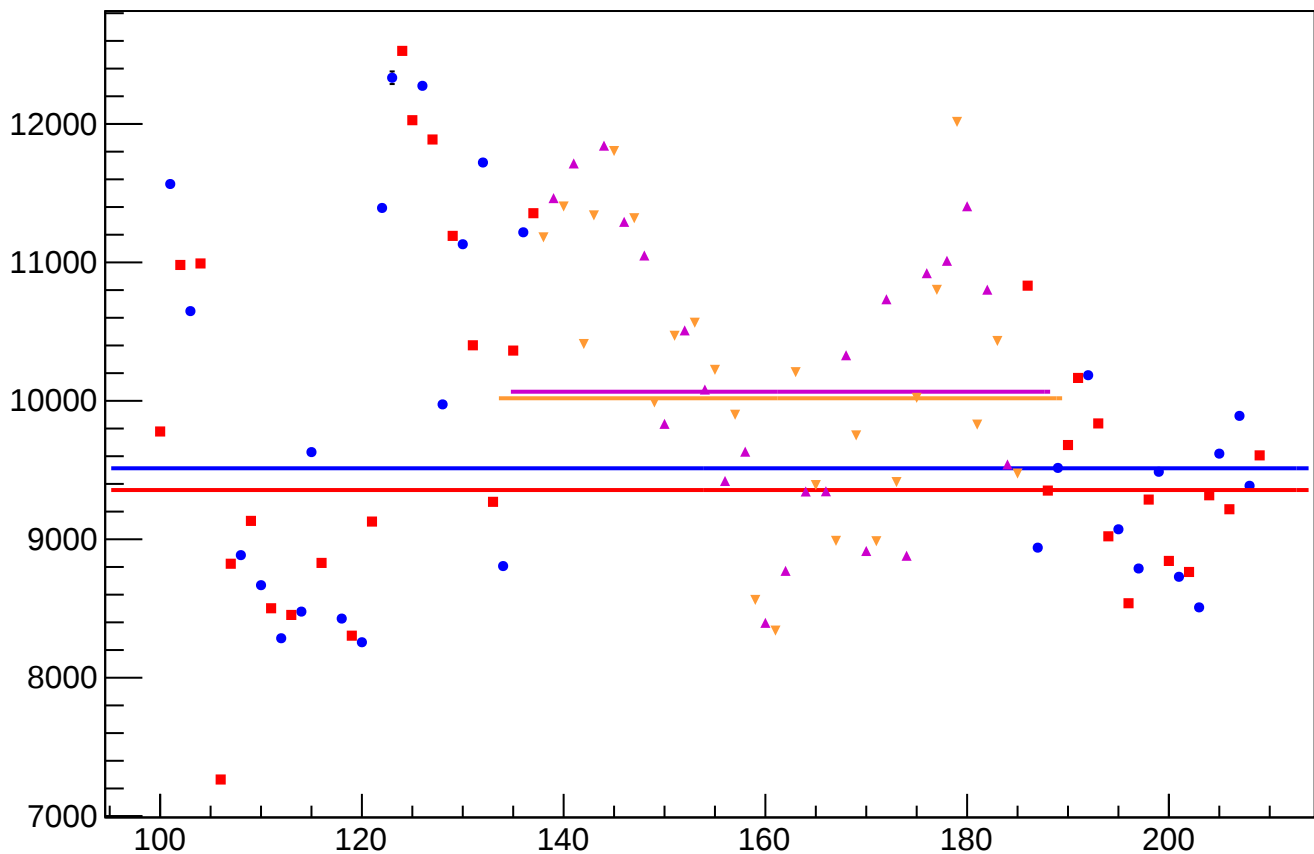
Left In: 13.485 ± 2.443 $\chi^2/\text{NDF}: 21.6/22$

+ sign -15.190 ± 1.724 $\chi^2/\text{NDF}: 370.3/52$

All: 0.034 ± 1.210 $\chi^2/\text{NDF}: 960.8/107$

- sign 14.847 ± 1.700 $\chi^2/\text{NDF}: 436.6/54$

diff_bpm0l07X_rms vs Slug



Right In: 9512.896 $\pm$ 1.786 χ^2 /NDF: 333610.5/27

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

Right Out: 9355.715 $\pm$ 1.674 χ^2 /NDF: 327284.1/31

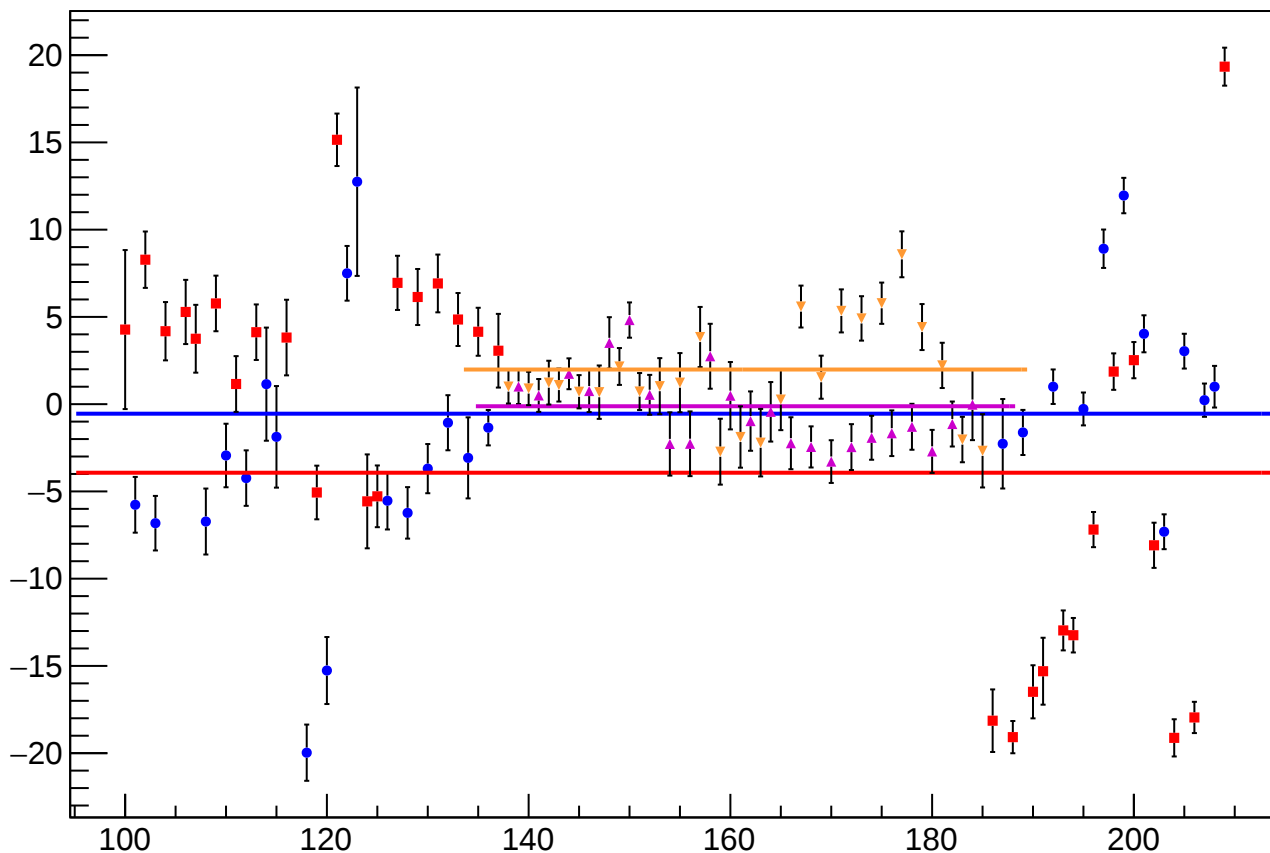
Left In: 10065.909 $\pm$ 1.727 χ^2 /NDF:357868.9/22

+ sign 9783.000 $\pm$ 1.219 χ^2 /NDF: 720974.0/52

All: 9740.822 $\pm$ 0.856 χ^2 /NDF: 1495637.2/10

- sign 9699.783 $\pm$ 1.202 χ^2 /NDF: 772300.6/54

diff_bpm0l07Y_mean vs Slug



Right In: -0.546 ± 0.255 χ^2/NDF : 621.6/27

Left Out: 1.985 ± 0.255 χ^2/NDF : 101.2/24

Right Out: -3.929 ± 0.244 χ^2/NDF : 2165.0/31

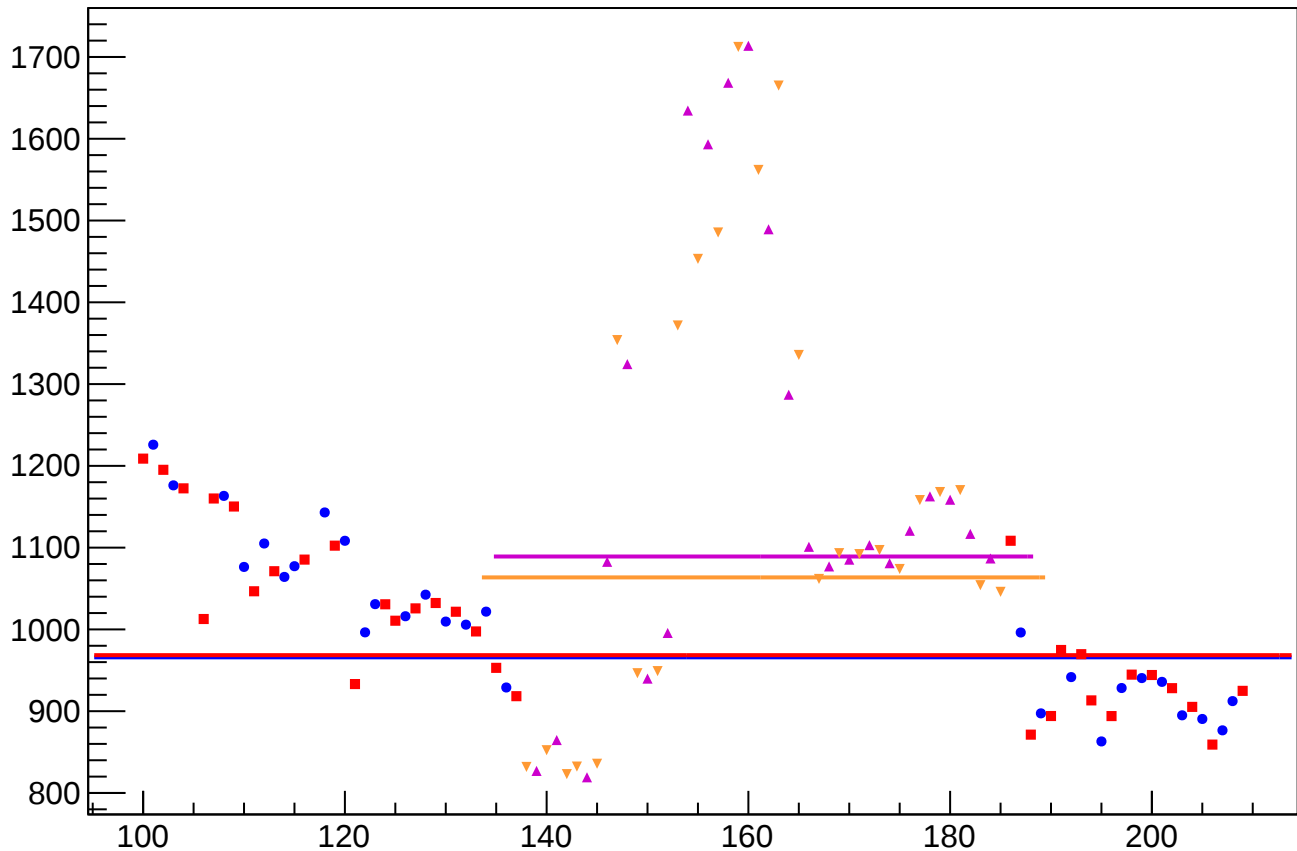
Left In: -0.120 ± 0.269 χ^2/NDF : 67.6/22

+ sign 0.720 ± 0.180 χ^2/NDF : 772.1/52

All: -0.740 ± 0.128 χ^2/NDF : 3246.4/107

- sign -2.207 ± 0.181 χ^2/NDF : 2342.7/54

diff_bpm0l07Y_rms vs Slug



Right In: 965.861+/-0.180 χ^2/NDF : 268197.0/27

Left Out: 1063.600+/-0.180 χ^2/NDF : 1617376.3/24

Right Out: 968.511+/-0.173 χ^2/NDF : 269286.9/31

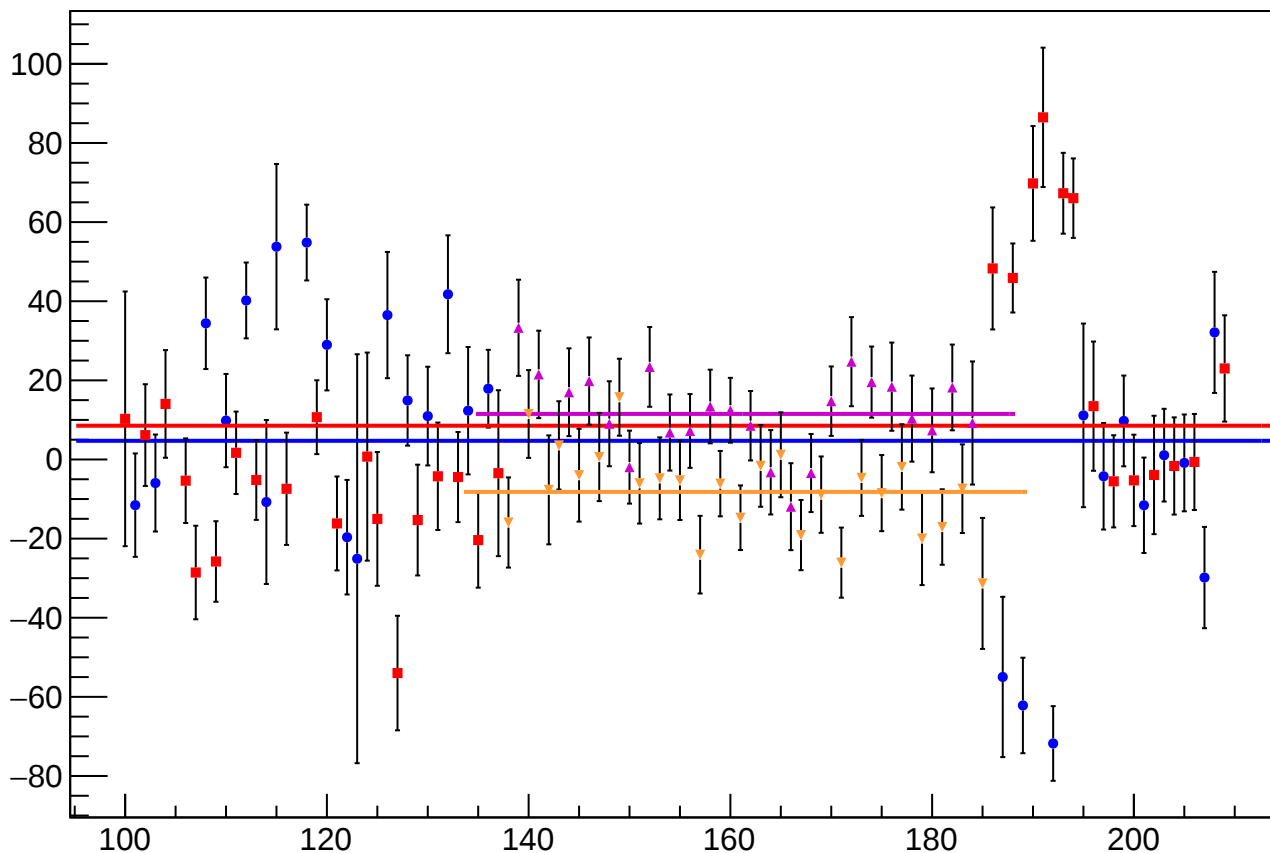
Left In: 1089.154+/-0.190 χ^2/NDF : 1430478.5/22

+ sign 1014.767+/-0.127 χ^2/NDF : 2032592.9/52

All: 1018.897+/-0.090 χ^2/NDF : 3955406.5/10

- sign 1023.045+/-0.128 χ^2/NDF : 1920709.1/54

diff_bpm0l08X_mean vs Slug



Right In: 4.720 ± 2.427 χ^2/NDF : 195.5/27

Left Out: -8.195 ± 2.049 χ^2/NDF : 26.2/24

Right Out: 8.535 ± 2.211 χ^2/NDF : 197.2/31

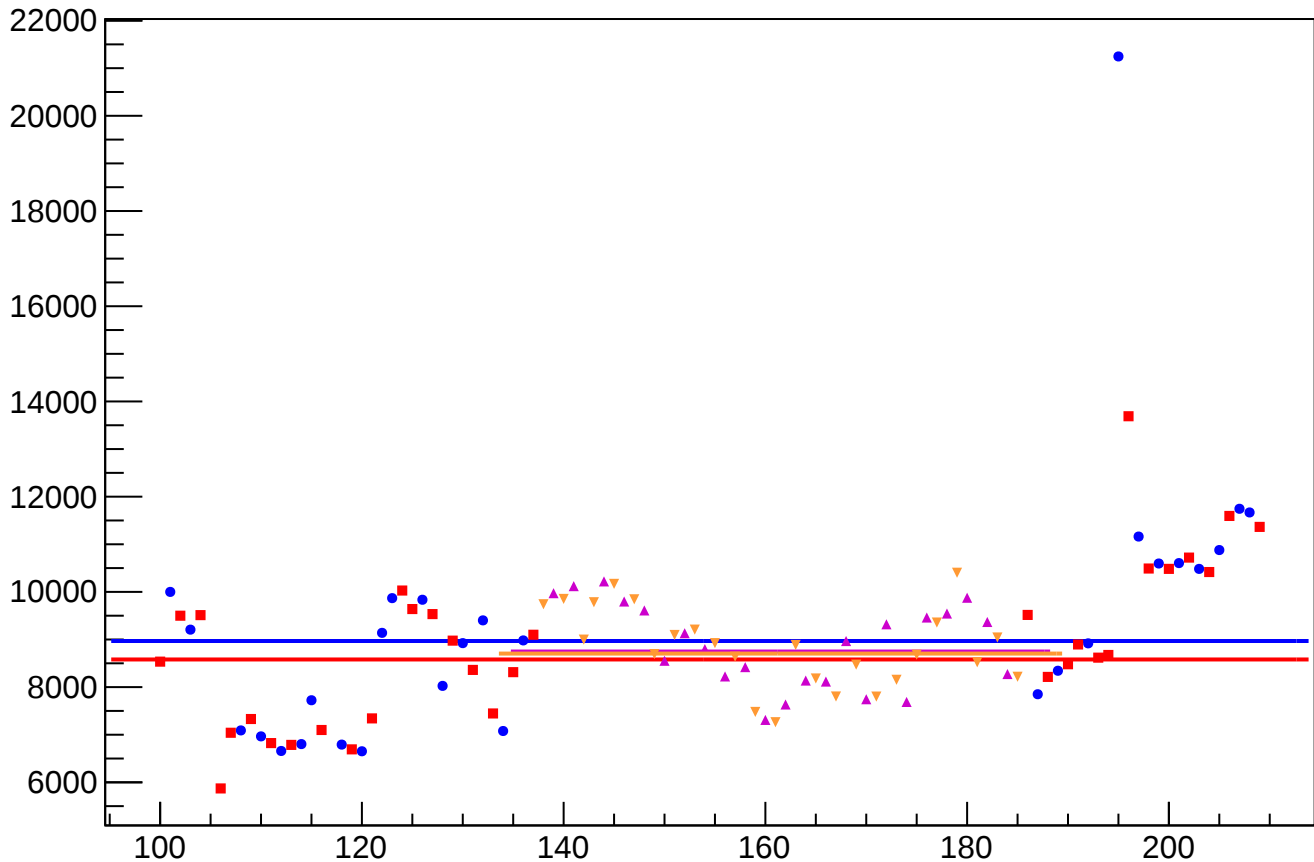
Left In: 11.515 ± 2.122 χ^2/NDF : 21.0/22

+ sign -2.823 ± 1.566 χ^2/NDF : 238.2/52

All: 3.775 ± 1.095 χ^2/NDF : 492.2/107

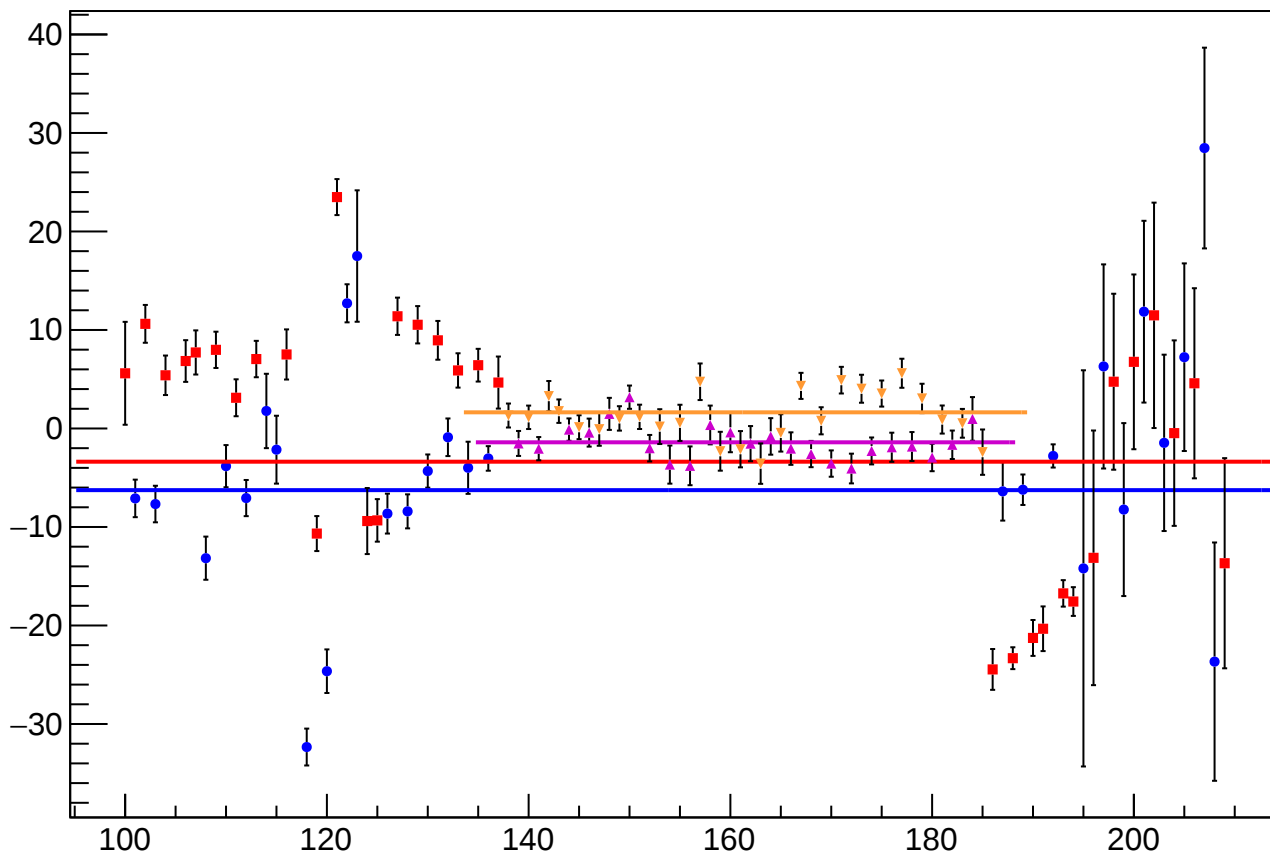
- sign 10.086 ± 1.531 χ^2/NDF : 219.2/54

diff_bpm0l08X_rms vs Slug



Right In: 8968.482 $\pm$ 1.716	χ^2 /NDF: 1442452.8/27	+ sign 8814.132 $\pm$ 1.107	χ^2 /NDF: 1788663.1/52
Left Out: 8704.193 $\pm$ 1.449	χ^2 /NDF: 332364.3/24	All: 8739.142 $\pm$ 0.774	χ^2 /NDF: 3265601.0/10
Right Out: 8580.592 $\pm$ 1.563	χ^2 /NDF: 1114924.5/31	- sign 8667.417 $\pm$ 1.083	χ^2 /NDF: 1467960.5/54
Left In: 8747.415 $\pm$ 1.501	χ^2 /NDF: 347110.4/22		

diff_bpm0l08Y_mean vs Slug



Right In: -6.260 ± 0.425 $\chi^2/\text{NDF}: 439.9/27$

Left Out: 1.639 ± 0.294 $\chi^2/\text{NDF}: 51.3/24$

Right Out: -3.372 ± 0.372 $\chi^2/\text{NDF}: 1472.0/31$

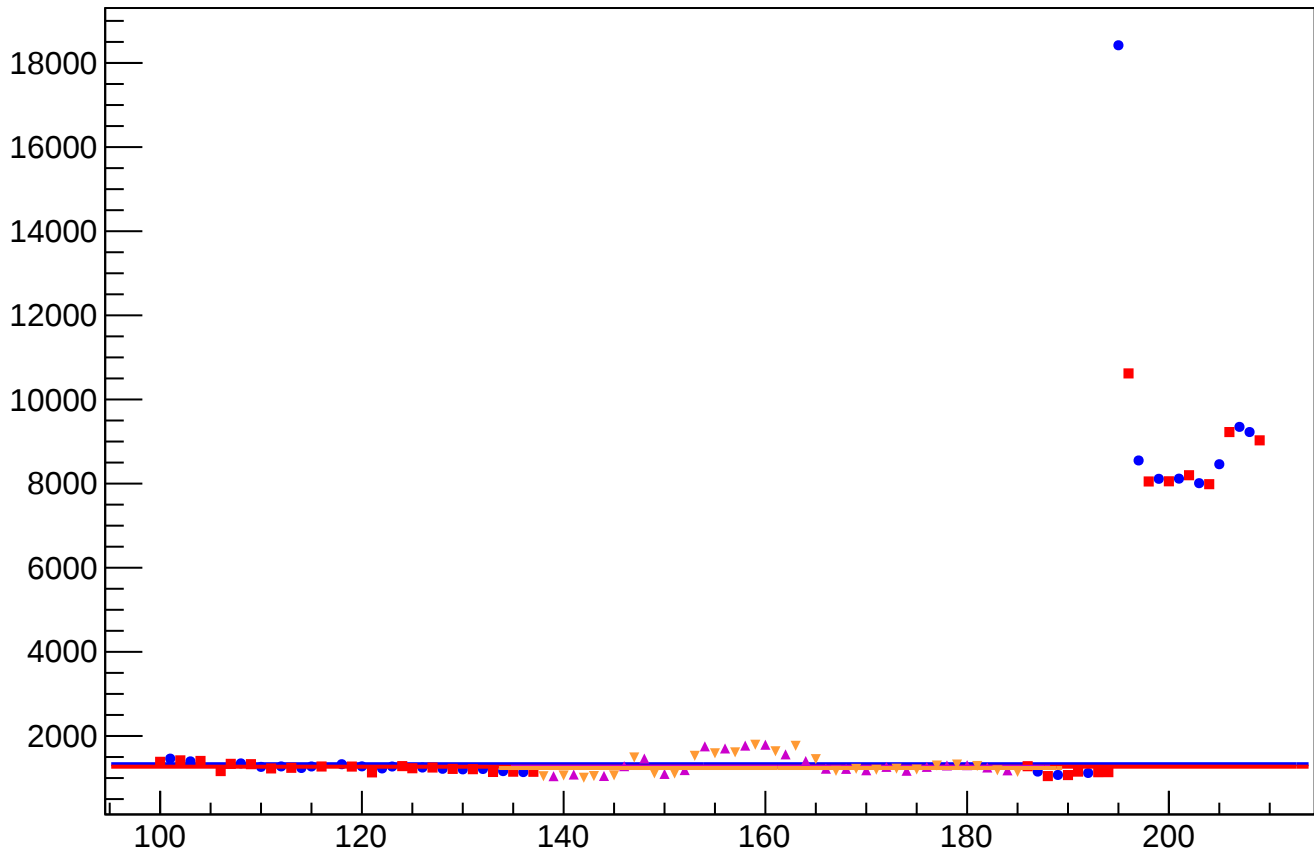
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -0.915 ± 0.242 $\chi^2/\text{NDF}: 725.3/52$

All: -1.571 ± 0.169 $\chi^2/\text{NDF}: 2262.5/107$

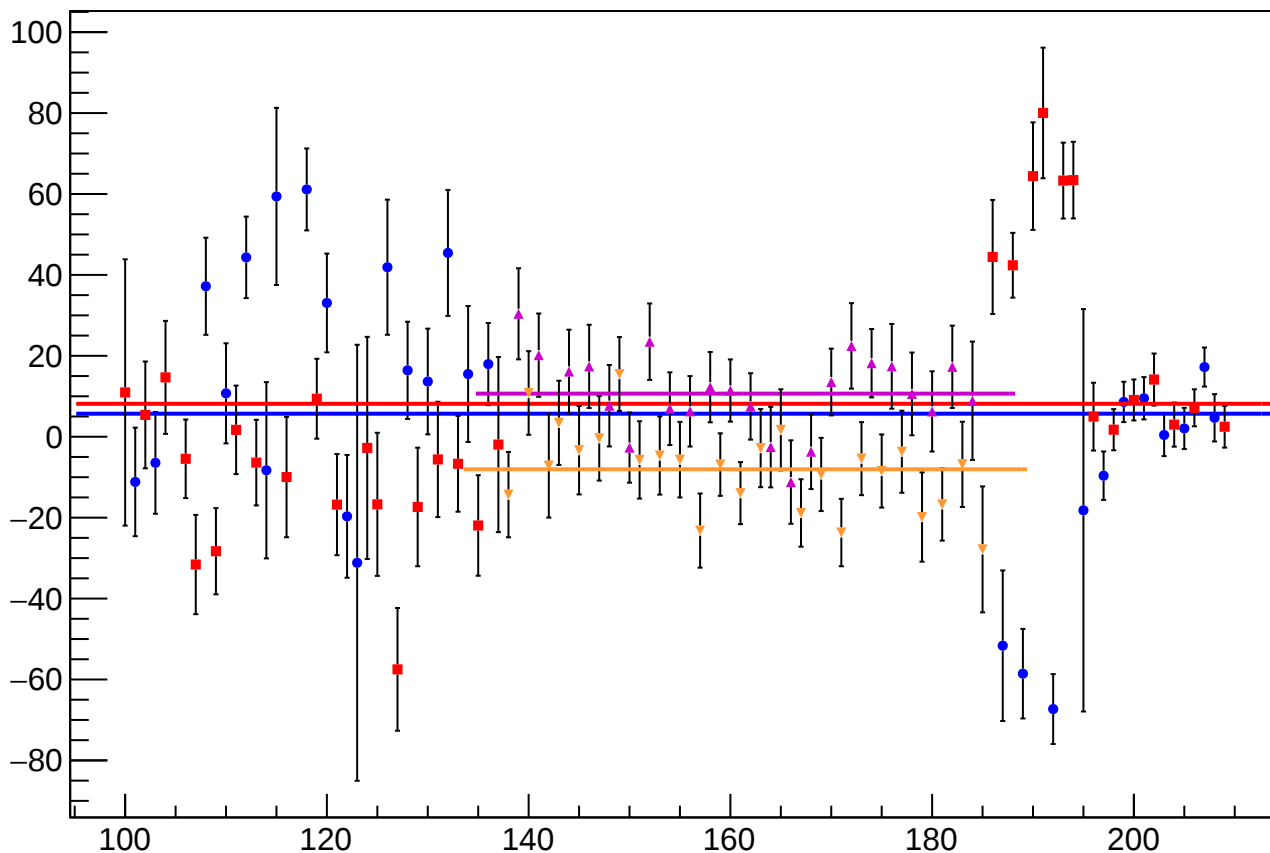
- sign -2.206 ± 0.238 $\chi^2/\text{NDF}: 1522.7/54$

diff_bpm0l08Y_rms vs Slug



Right In: 1329.276+/-0.300	χ^2/NDF : 9249761.8/27	+ sign 1267.813+/-0.171	χ^2/NDF : 10276844.7/52
Left Out: 1238.437+/-0.208	χ^2/NDF : 965173.0/24	All: 1267.597+/-0.120	χ^2/NDF : 18877685.8/31
Right Out: 1269.880+/-0.263	χ^2/NDF : 775529.9/31	- sign 1267.389+/-0.168	χ^2/NDF : 8600838.0/54
Left In: 1265.673+/-0.218	χ^2/NDF : 845157.0/22		

diff_bpm0l09X_mean vs Slug



Right In: 5.695 ± 1.641 χ^2/NDF : 212.6/27

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

Right Out: 8.148 ± 1.584 χ^2/NDF : 200.7/31

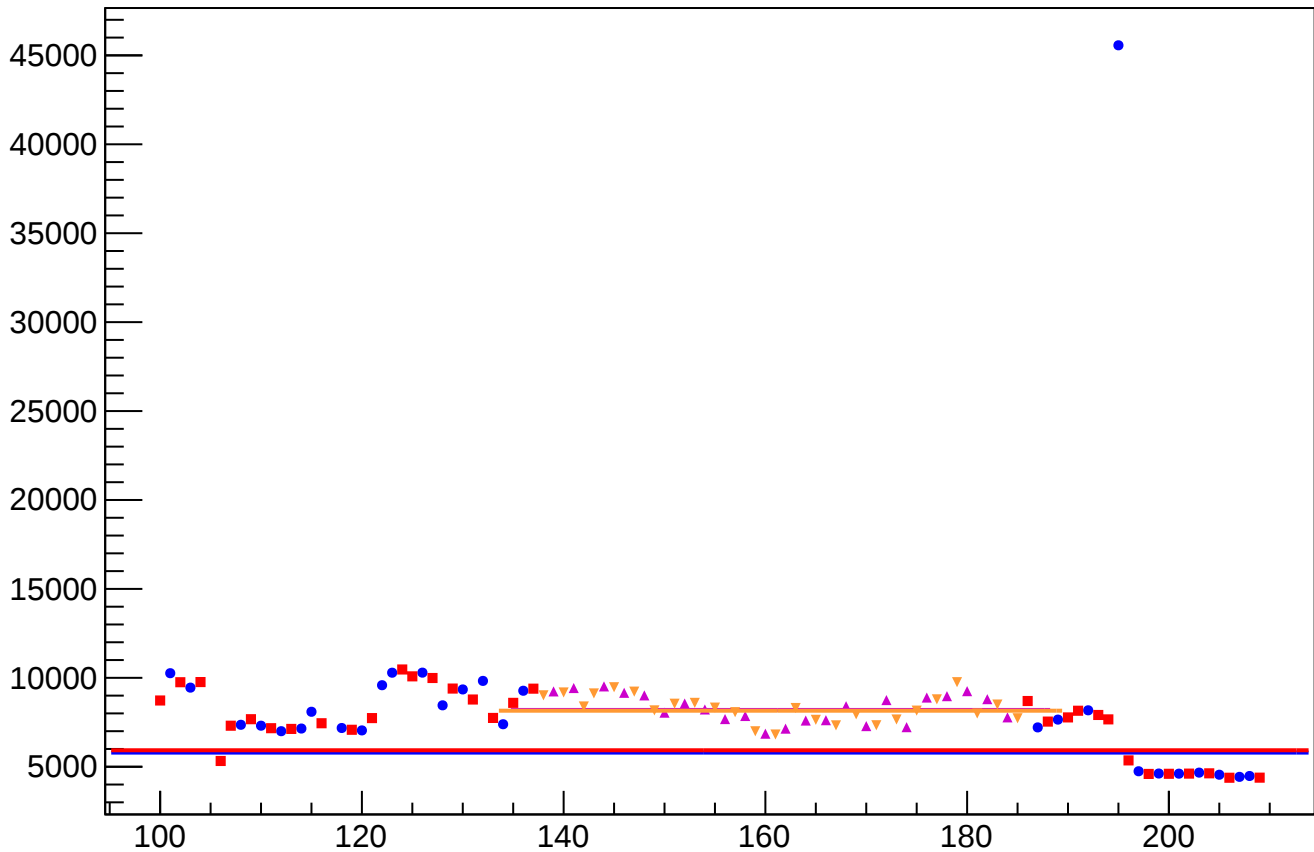
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

+ sign -0.109 ± 1.247 χ^2/NDF : 268.5/52

All: 4.535 ± 0.879 χ^2/NDF : 519.2/107

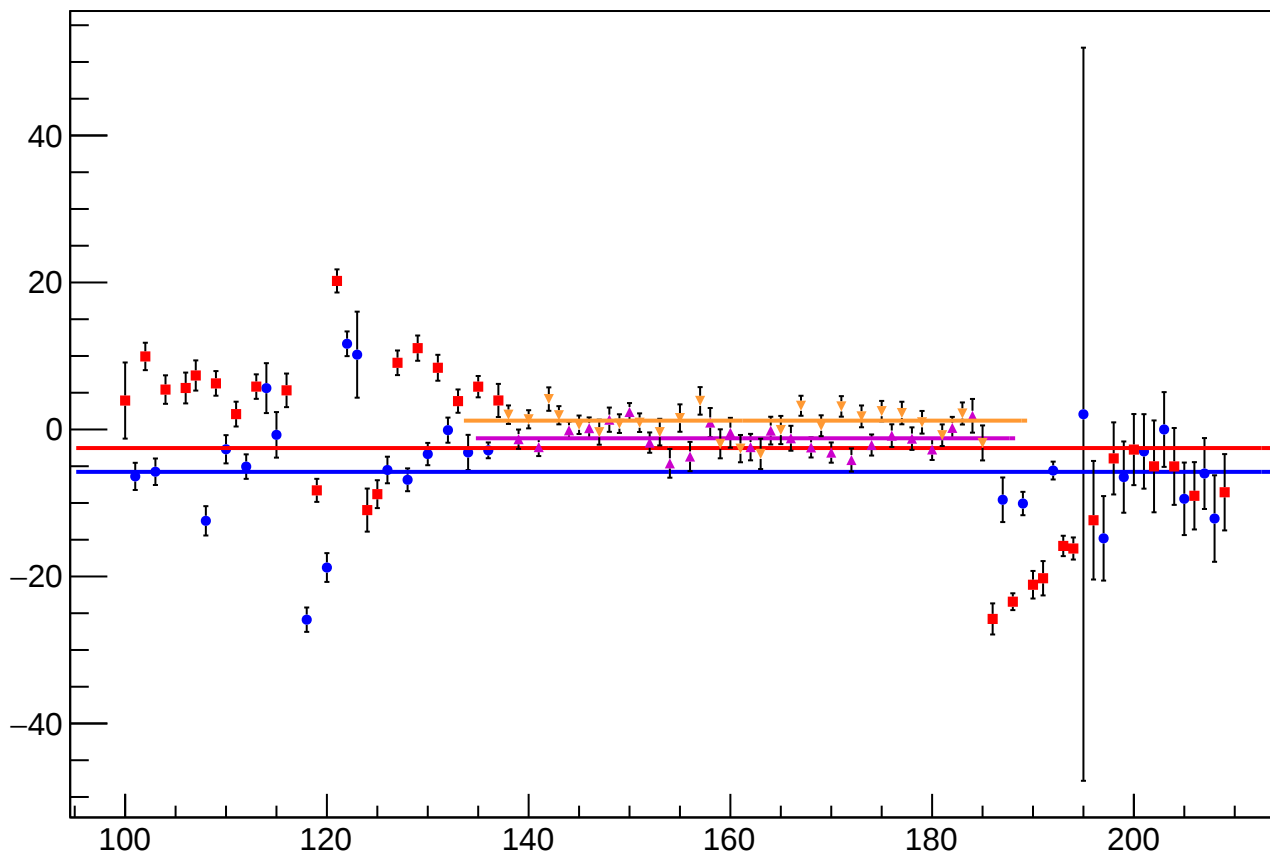
- sign 9.121 ± 1.239 χ^2/NDF : 223.1/54

diff_bpm0l09X_rms vs Slug



Right In: 5796.088+/-1.160	χ^2/NDF : 3734290.9/27	+ sign 6791.271+/-0.882	χ^2/NDF : 5797648.8/52
Left Out: 8151.489+/-1.356	χ^2/NDF : 321803.3/24	All: 6799.518+/-0.621	χ^2/NDF : 10257776.1/1
Right Out: 5927.106+/-1.120	χ^2/NDF : 2531188.3/31	- sign 6807.659+/-0.876	χ^2/NDF : 4459953.4/54
Left In: 8193.636+/-1.405	χ^2/NDF : 338377.6/22		

diff_bpm0l09Y_mean vs Slug



Right In: -5.767 ± 0.387 χ^2/NDF : 371.6/27

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

Right Out: -2.527 ± 0.348 χ^2/NDF : 1411.9/31

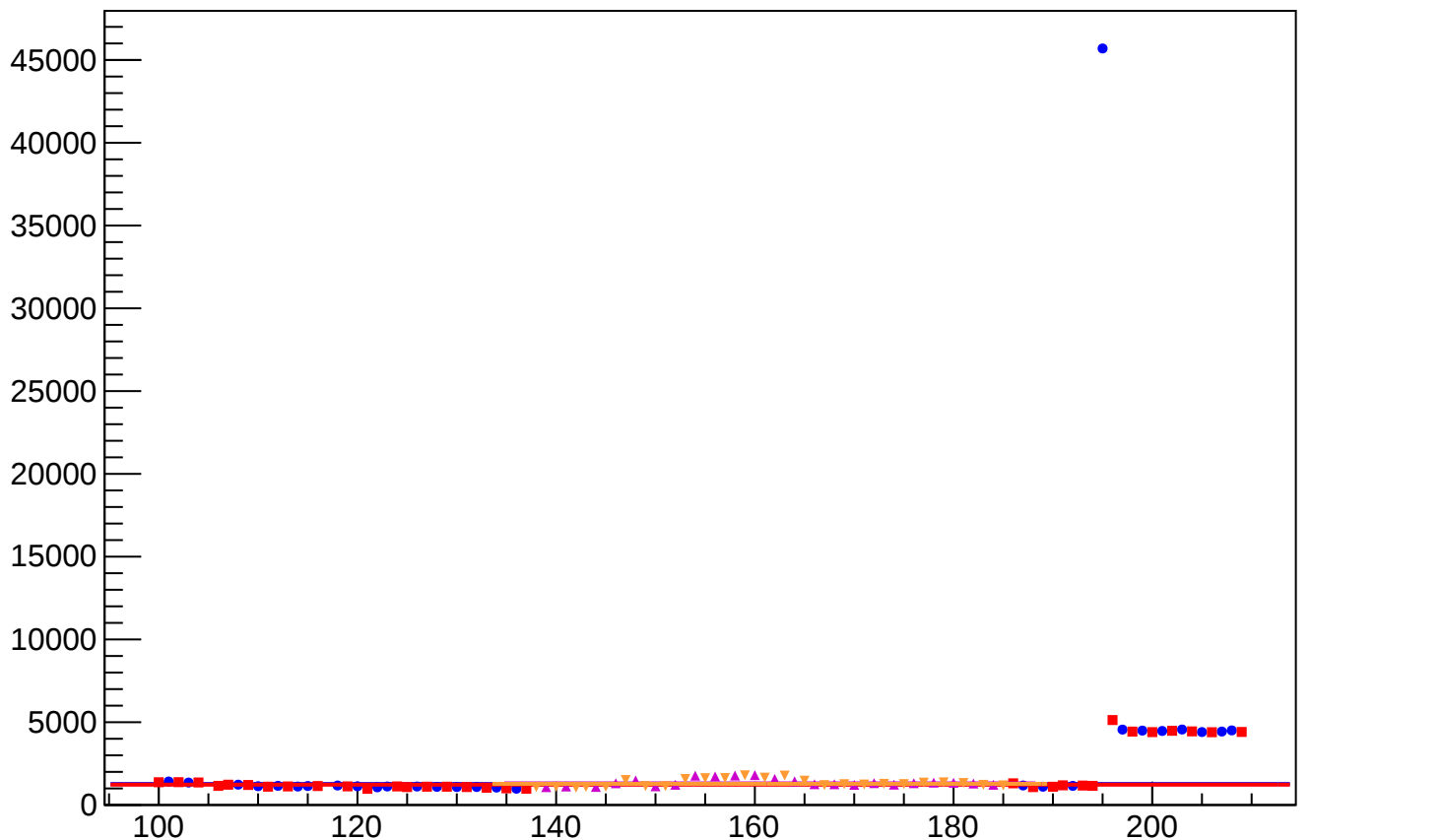
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -1.437 ± 0.238 χ^2/NDF : 602.8/52

All: -1.623 ± 0.167 χ^2/NDF : 2055.1/107

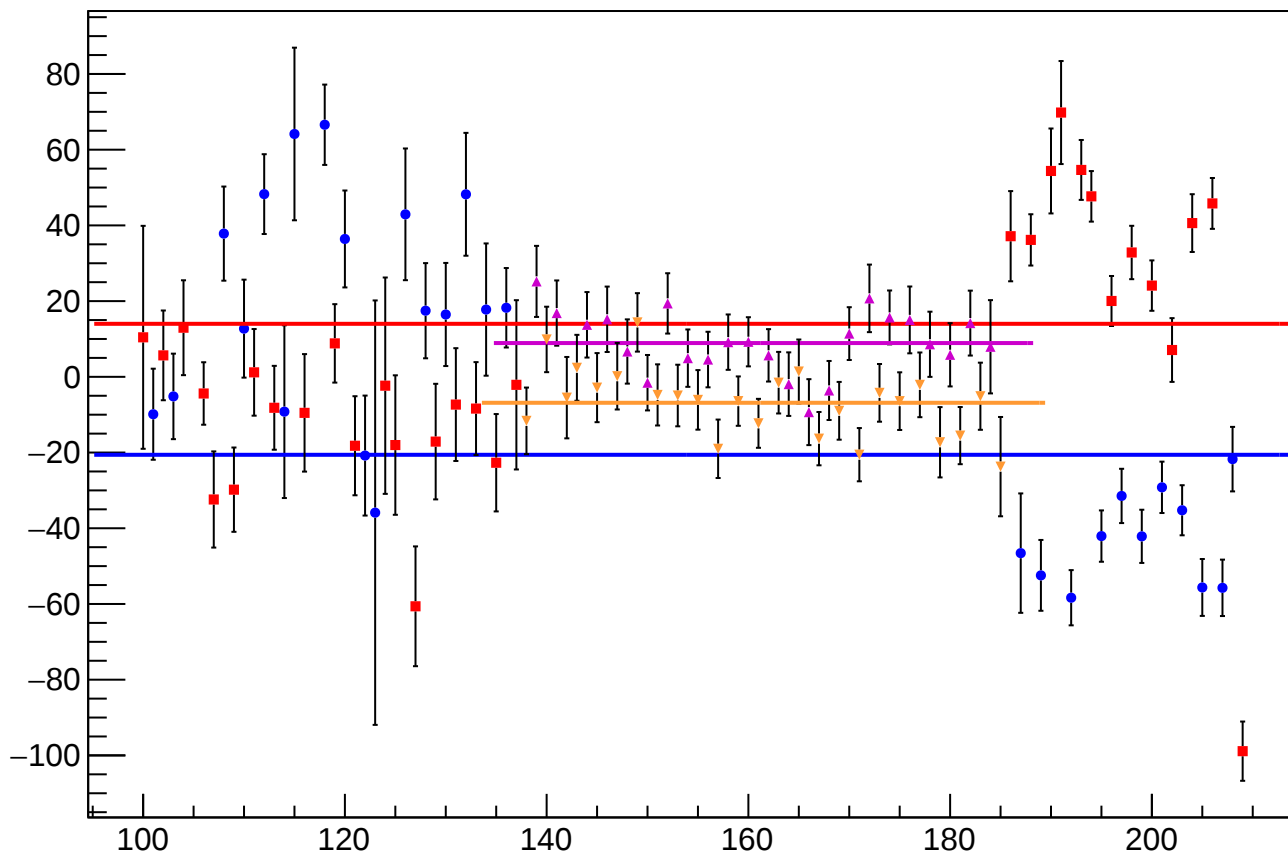
- sign -1.803 ± 0.235 χ^2/NDF : 1451.0/54

diff_bpm0l09Y_rms vs Slug



Right In: 1266.041+/-0.274	χ^2/NDF : 7416844.2/27	+ sign 1273.417+/-0.169	χ^2/NDF : 8296140.4/52
Left Out: 1277.916+/-0.214	χ^2/NDF : 878127.9/24	All: 1272.032+/-0.118	χ^2/NDF : 14610173.6/1
Right Out: 1229.046+/-0.246	χ^2/NDF : 5500769.8/31	- sign 1270.688+/-0.166	χ^2/NDF : 6313900.1/54
Left In: 1305.541+/-0.225	χ^2/NDF : 760450.8/22		

diff_bpm0l10X_mean vs Slug



Right In: -20.594 ± 1.889 $\chi^2/\text{NDF}: 355.3/27$

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

Right Out: 14.005 ± 1.751 $\chi^2/\text{NDF}: 441.6/31$

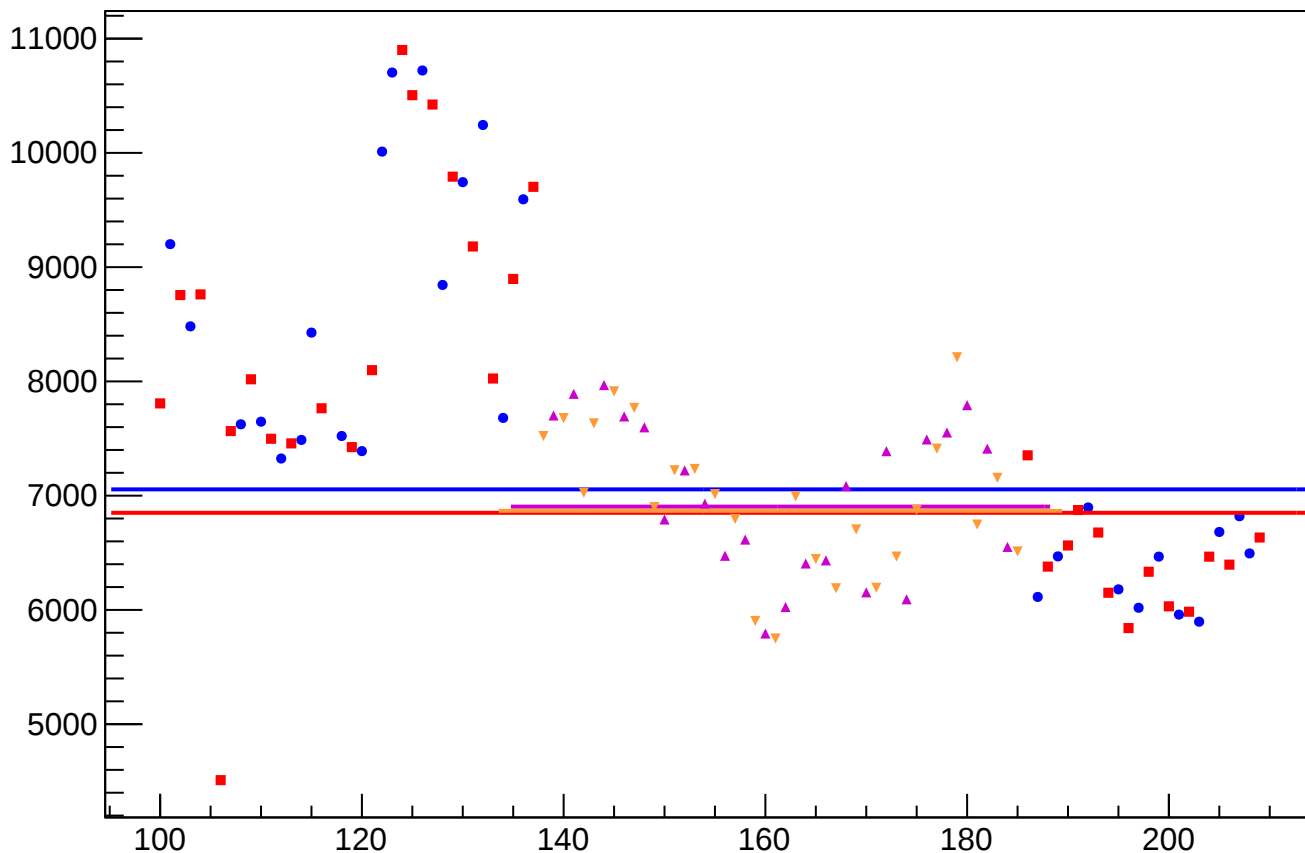
Left In: 8.923 ± 1.674 $\chi^2/\text{NDF}: 21.8/22$

+ sign -12.659 ± 1.228 $\chi^2/\text{NDF}: 414.5/52$

All: -0.479 ± 0.862 $\chi^2/\text{NDF}: 1076.4/107$

- sign 11.351 ± 1.210 $\chi^2/\text{NDF}: 467.9/54$

diff_bpm0l10X_rms vs Slug



Right In: 7055.057+/-1.336 χ^2/NDF : 834869.8/27

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

Right Out: 6849.975+/-1.238 χ^2/NDF : 941045.6/31

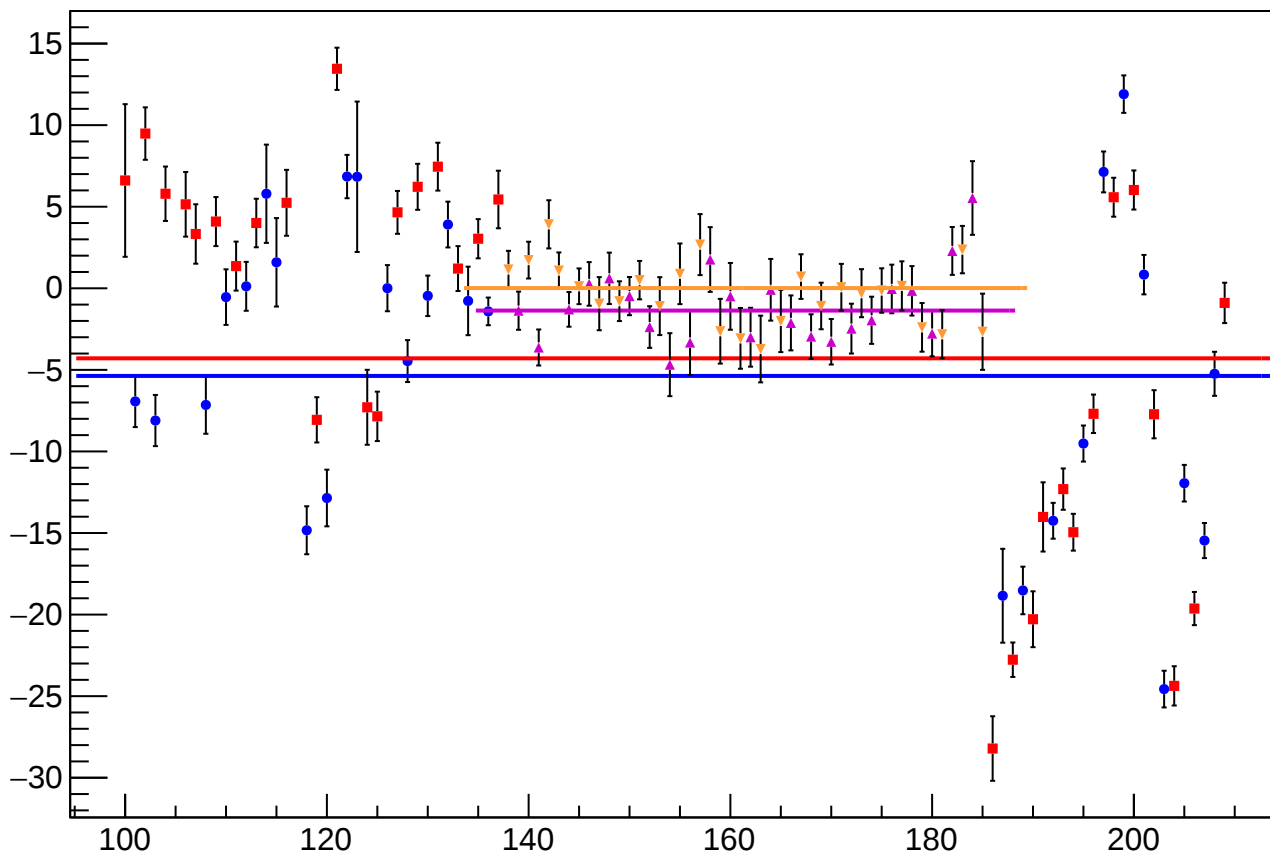
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

+ sign 6946.666+/-0.868 χ^2/NDF : 1153169.2/52

All: 6911.960+/-0.609 χ^2/NDF : 2424277.2/10

- sign 6878.250+/-0.856 χ^2/NDF : 1267957.3/54

diff_bpm0l10Y_mean vs Slug



Right In: -5.372 ± 0.260 χ^2/NDF : 1247.8/27

Left Out: 0.014 ± 0.290 χ^2/NDF : 35.0/24

Right Out: -4.293 ± 0.252 χ^2/NDF : 2066.1/31

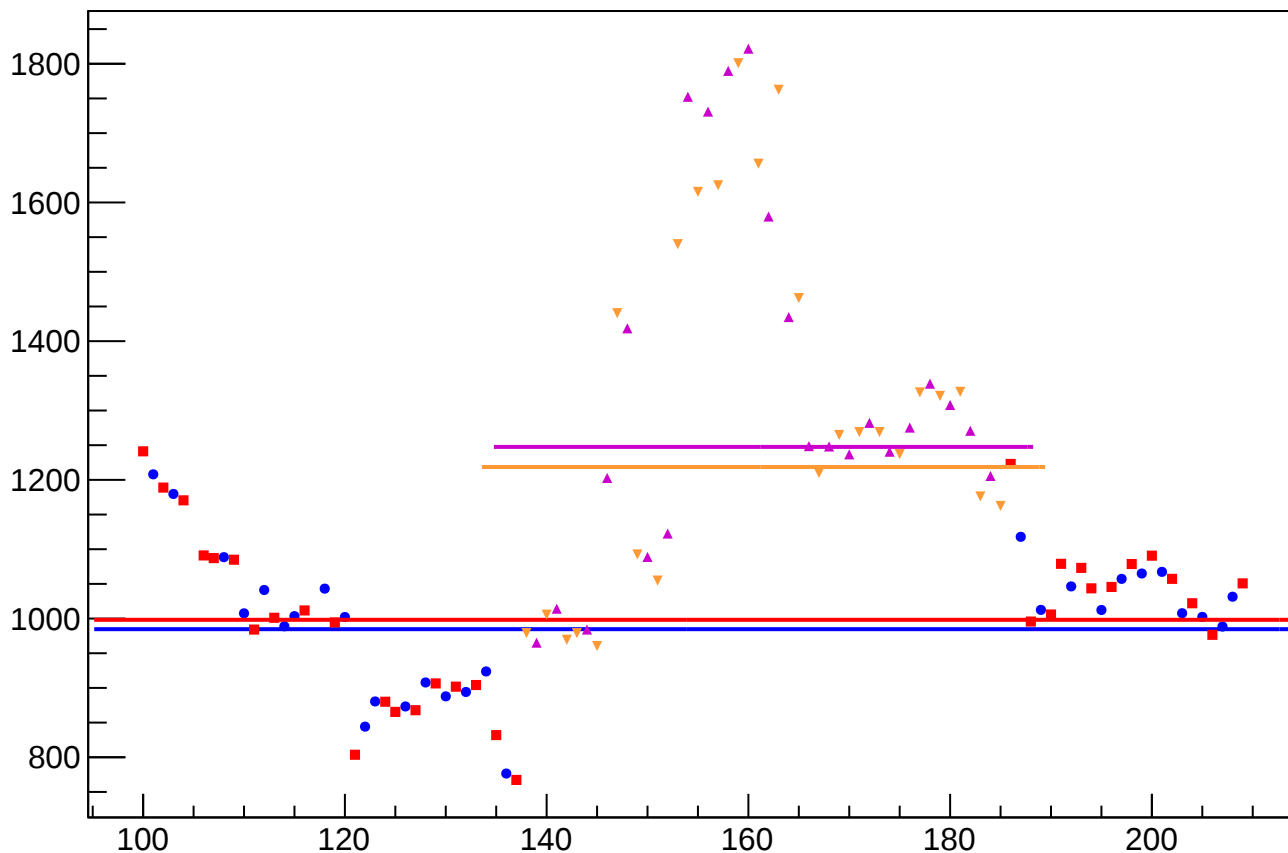
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -2.969 ± 0.194 χ^2/NDF : 1474.0/52

All: -3.039 ± 0.137 χ^2/NDF : 3633.5/107

- sign -3.109 ± 0.194 χ^2/NDF : 2159.3/54

diff_bpm0l10Y_rms vs Slug



Right In: 984.692 $\pm$ 0.184 χ^2 /NDF: 312681.5/27

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

Right Out: 998.226 $\pm$ 0.178 χ^2 /NDF: 327312.6/31

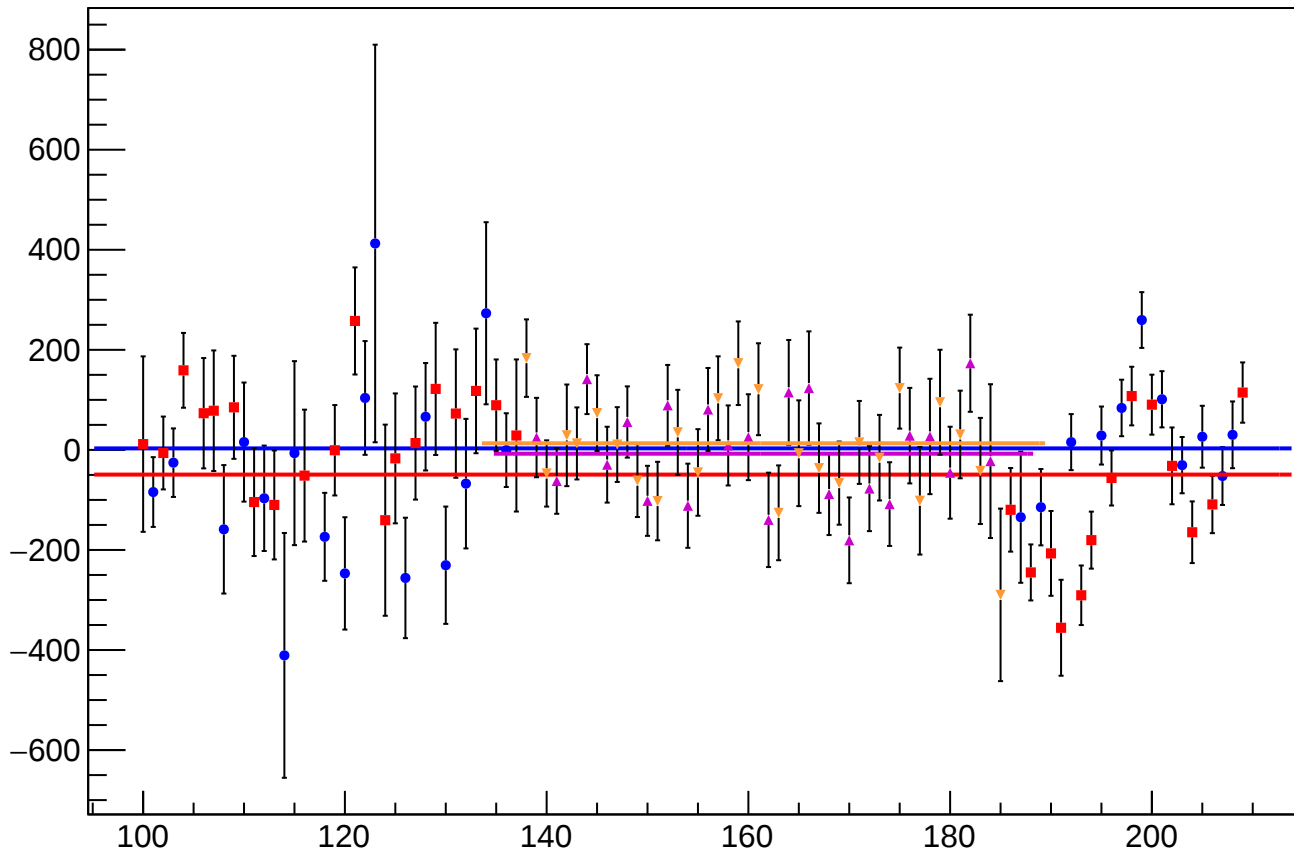
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1089.007 $\pm$ 0.137 χ^2 /NDF: 2299285.2/52

All: 1094.016 $\pm$ 0.097 χ^2 /NDF: 4495934.3/10

- sign 1099.059 $\pm$ 0.137 χ^2 /NDF: 2193963.4/54

diff_bpm0r03X_mean vs Slug



Right In: 3.012 ± 15.107 χ^2/NDF : 61.0/27

Left Out: 13.207 ± 17.146 χ^2/NDF : 26.8/24

Right Out: -49.348 ± 14.427 χ^2/NDF : 101.9/31

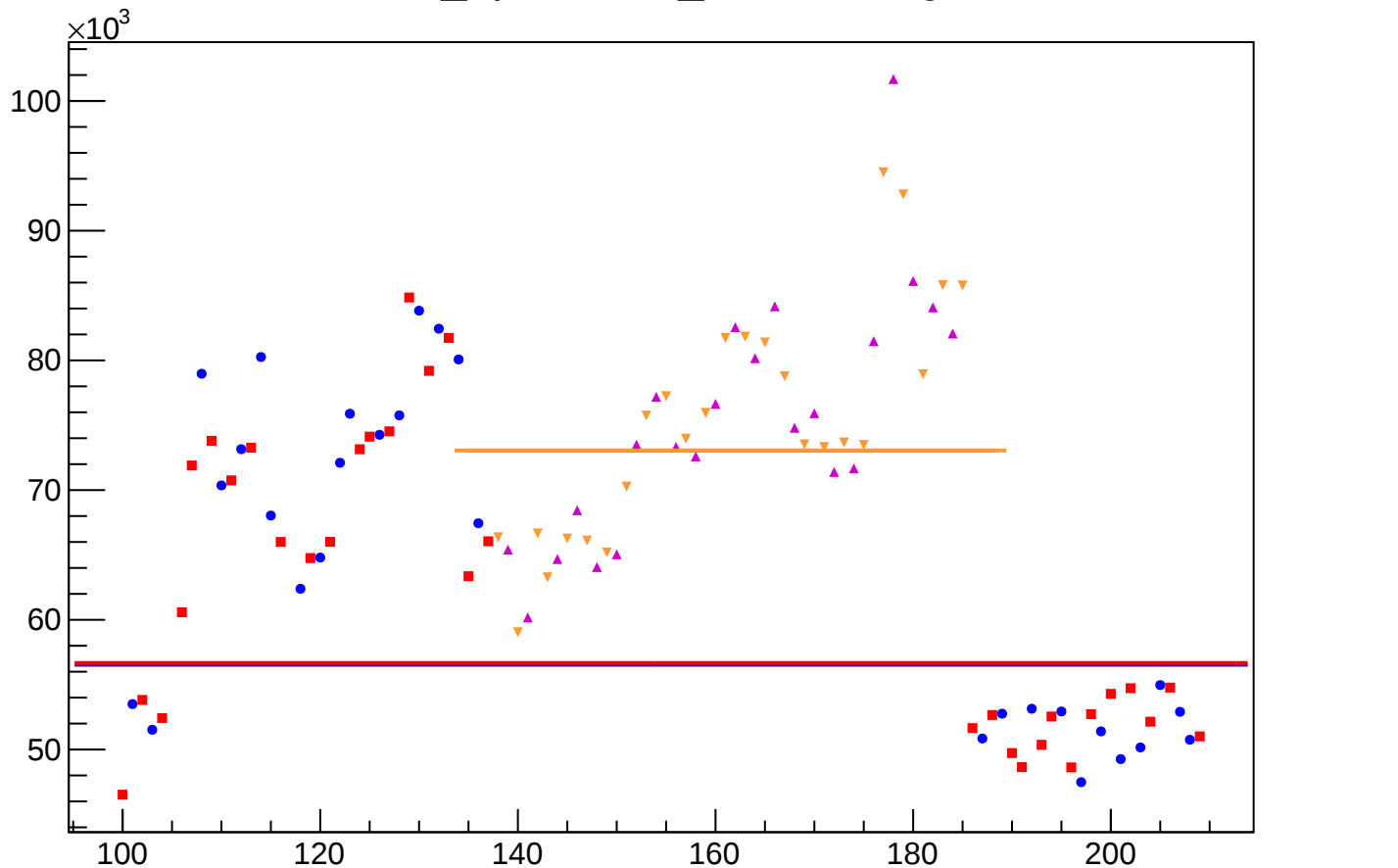
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign 7.467 ± 11.335 χ^2/NDF : 88.0/52

All: -12.880 ± 7.958 χ^2/NDF : 227.6/107

- sign -32.659 ± 11.176 χ^2/NDF : 133.3/54

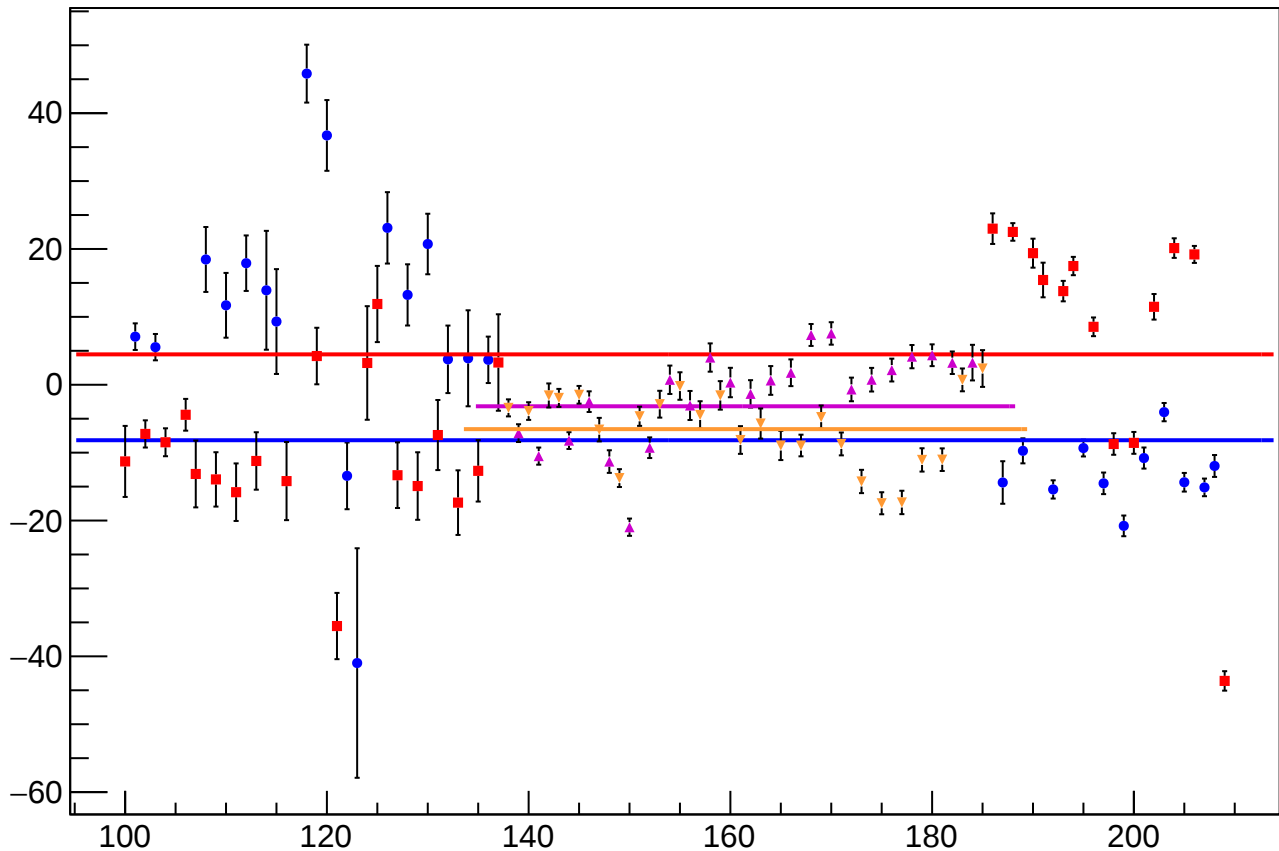
diff_bpm0r03X_rms vs Slug



Right In: 56539.772 $\pm$ 10.682 χ^2 /NDF: 789840.5/27
 Left Out: 73054.401 $\pm$ 12.124 χ^2 /NDF: 473050.9/24
 Right Out: 56668.313 $\pm$ 10.201 χ^2 /NDF: 745456.1/31
 Left In: 73045.500 $\pm$ 12.496 χ^2 /NDF: 463525.5/22

+ sign 63757.197 $\pm$ 8.015 χ^2 /NDF: 2307413.9/52
 All: 63483.812 $\pm$ 5.627 χ^2 /NDF: 4549450.5/54
 - sign 63218.067 $\pm$ 7.902 χ^2 /NDF: 2239742.3/54

diff_bpm0r03Y_mean vs Slug



Right In: -8.170 ± 0.407 $\chi^2/\text{NDF}: 756.8/27$

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

Right Out: 4.476 ± 0.387 $\chi^2/\text{NDF}: 2316.6/31$

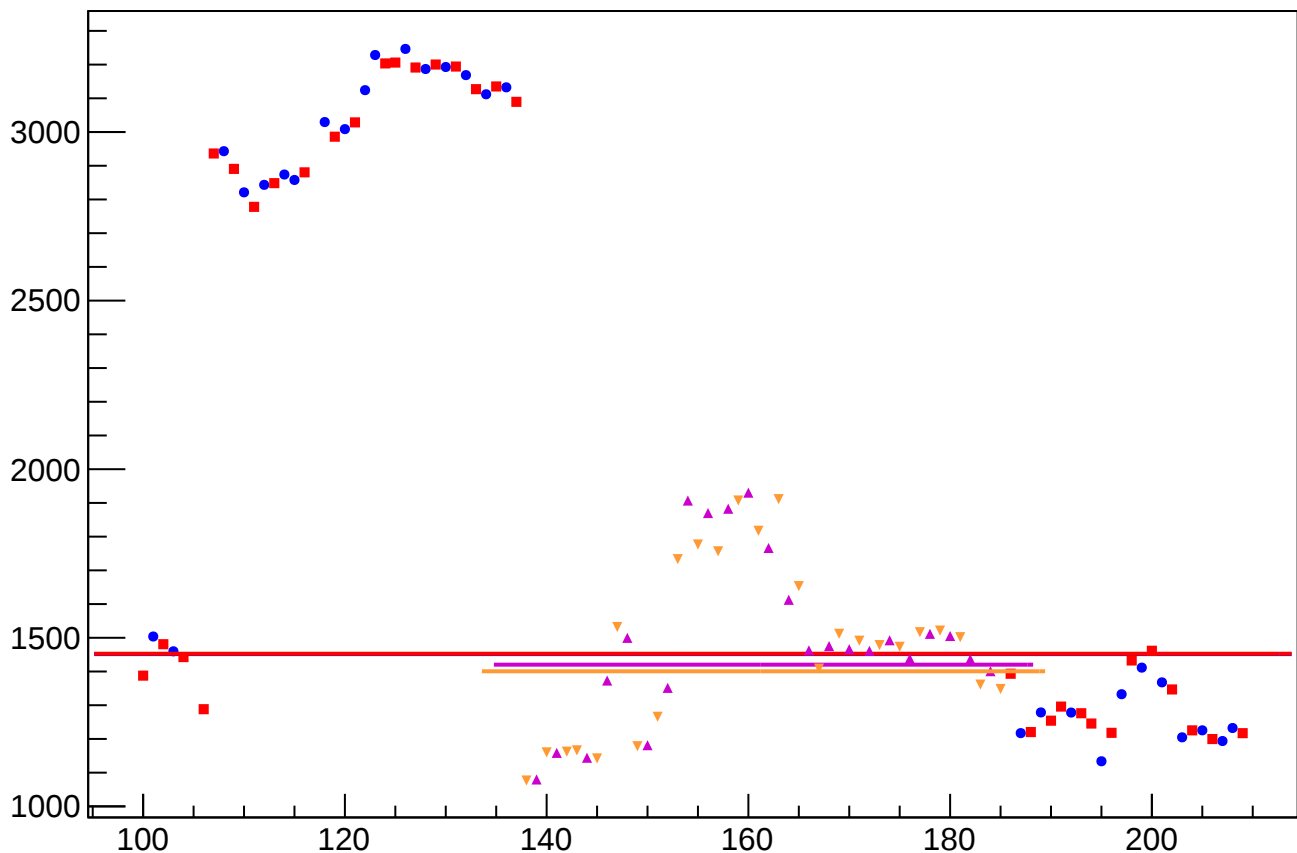
Left In: -3.171 ± 0.346 $\chi^2/\text{NDF}: 487.3/22$

+ sign -7.188 ± 0.257 $\chi^2/\text{NDF}: 1019.2/52$

All: -3.489 ± 0.182 $\chi^2/\text{NDF}: 4454.8/107$

- sign 0.233 ± 0.258 $\chi^2/\text{NDF}: 3020.8/54$

diff_bpm0r03Y_rms vs Slug



Right In: 1451.657 $\pm$ 0.288 χ^2 /NDF: 3534153.5/27

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

Right Out: 1452.714 $\pm$ 0.274 χ^2 /NDF: 3529253.9/31

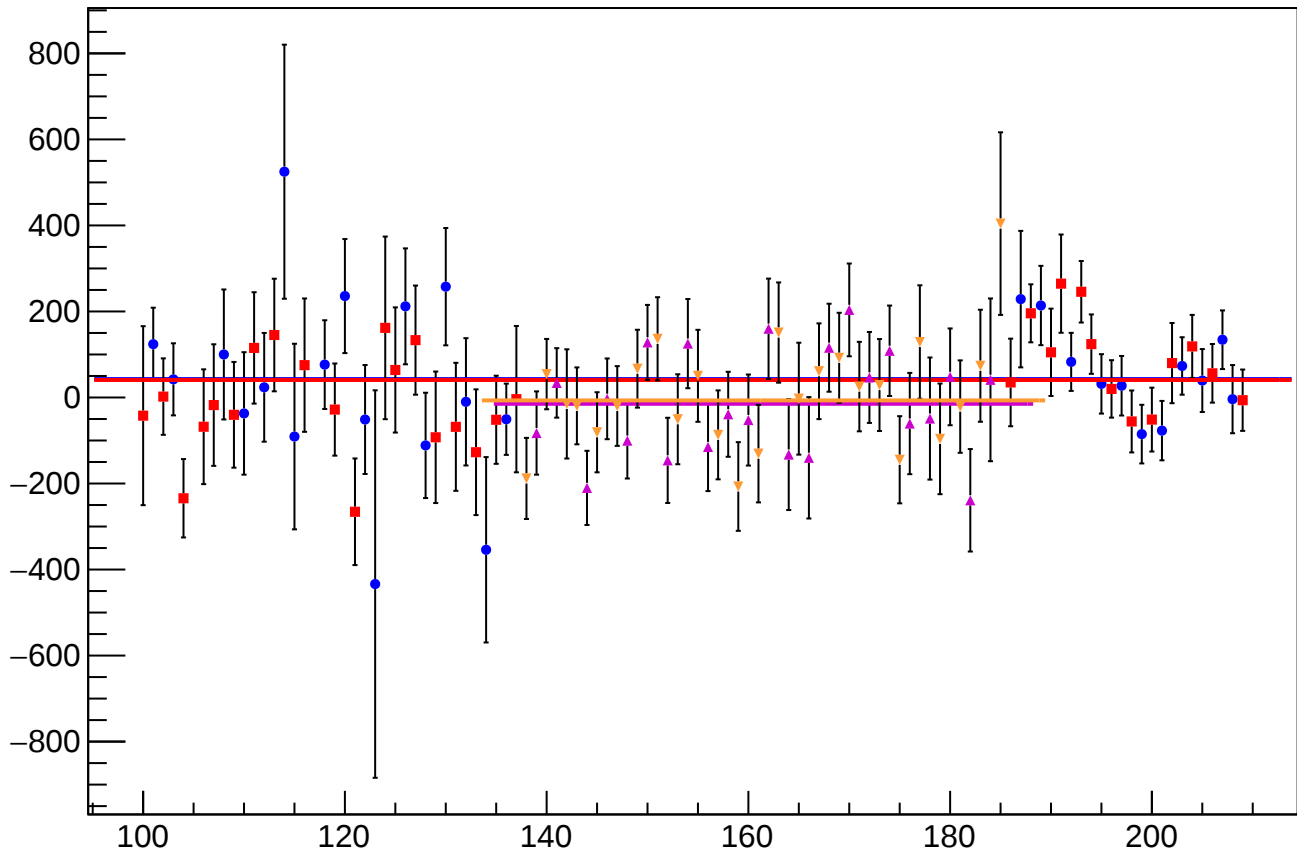
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF:905186.2/22

+ sign 1420.982 $\pm$ 0.182 χ^2 /NDF: 4590930.9/52

All: 1427.830 $\pm$ 0.129 χ^2 /NDF: 9036013.7/10

- sign 1434.720 $\pm$ 0.182 χ^2 /NDF: 4442240.1/54

diff_bpm0r05X_mean vs Slug



Right In: 42.707 $\pm$ 18.013 χ^2 /NDF: 32.9/27

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

Right Out: 40.740 $\pm$ 17.256 χ^2 /NDF: 47.1/31

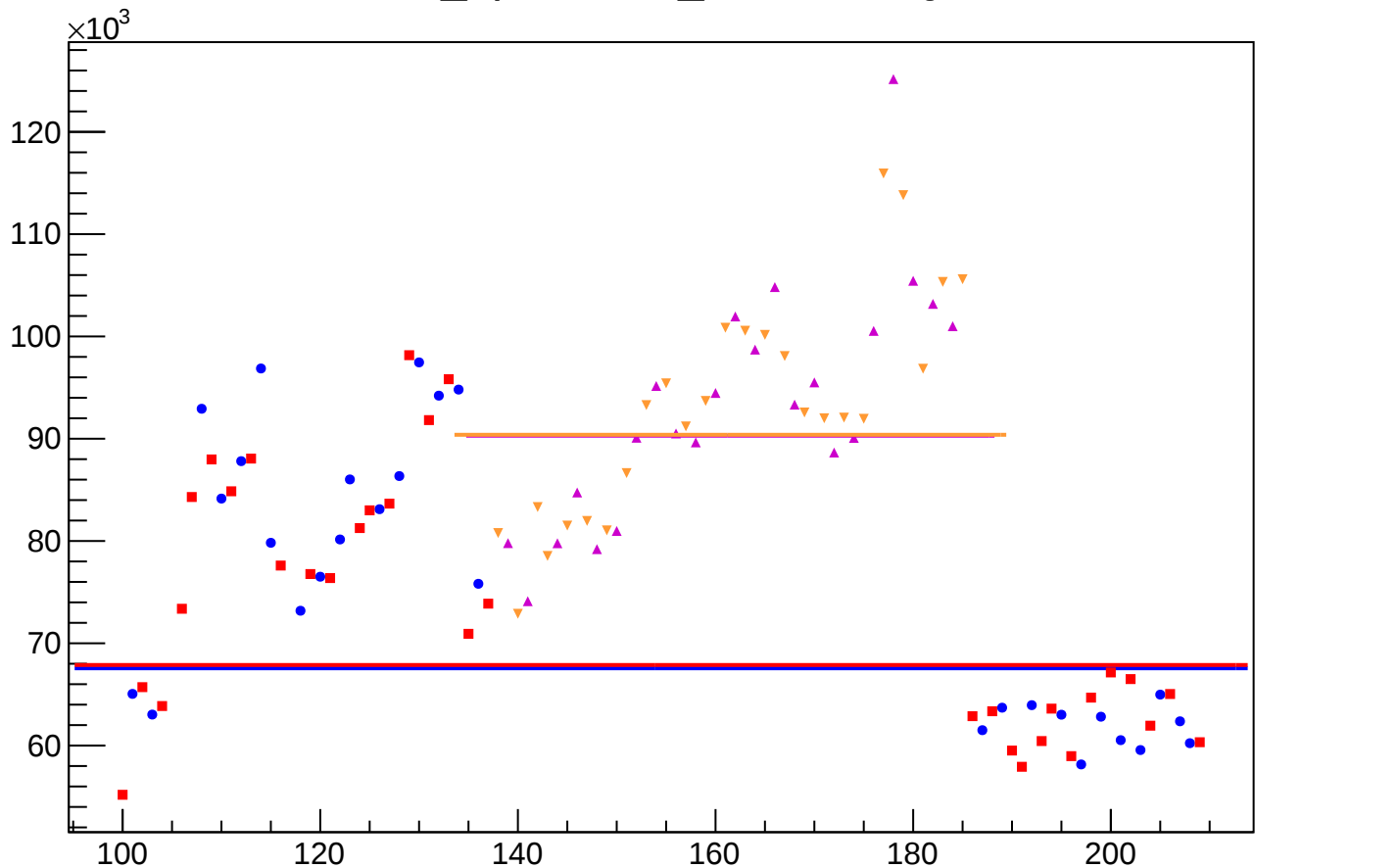
Left In: -14.611 $\pm$ 21.846 χ^2 /NDF: 29.8/22

+ sign 21.970 $\pm$ 13.731 χ^2 /NDF: 60.7/52

All: 20.704 $\pm$ 9.641 χ^2 /NDF: 141.6/107

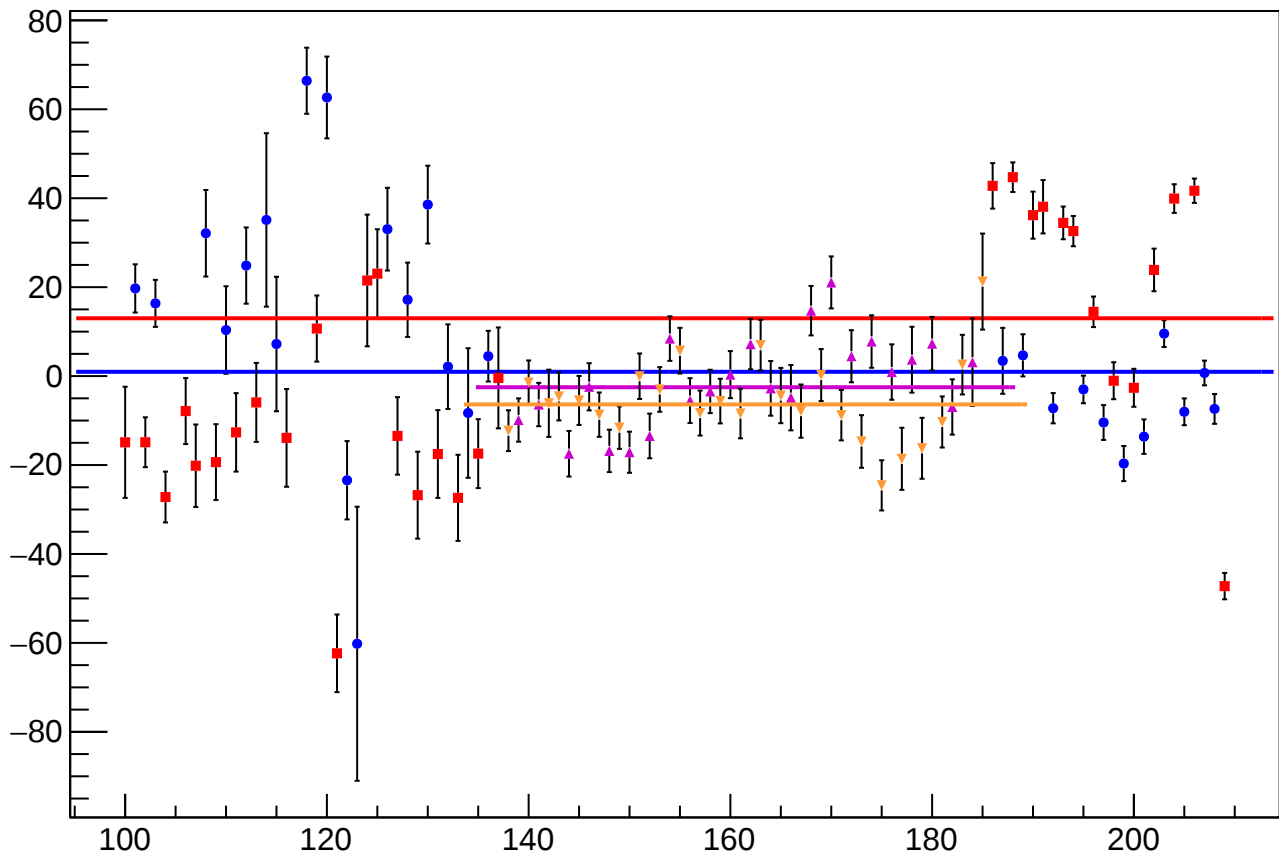
- sign 19.474 $\pm$ 13.541 χ^2 /NDF: 80.9/54

diff_bpm0r05X_rms vs Slug



Right In: 67556.635 ± 12.737 $\chi^2/\text{NDF}: 641246.3/27$ + sign 77120.906 ± 9.709 $\chi^2/\text{NDF}: 2448647.3/52$
 Left Out: 90384.853 ± 15.000 $\chi^2/\text{NDF}: 461648.2/24$ All: 76801.310 ± 6.818 $\chi^2/\text{NDF}: 4837304.5/1$
 Right Out: 67878.200 ± 12.202 $\chi^2/\text{NDF}: 628586.4/31$ - sign 76490.474 ± 9.575 $\chi^2/\text{NDF}: 2386519.9/54$
 Left In: 90293.591 ± 15.448 $\chi^2/\text{NDF}: 461337.5/22$

diff_bpm0r05Y_mean vs Slug



Right In: 0.967 ± 0.942 χ^2/NDF : 292.8/27

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

Right Out: 13.003 ± 0.914 χ^2/NDF : 1129.0/31

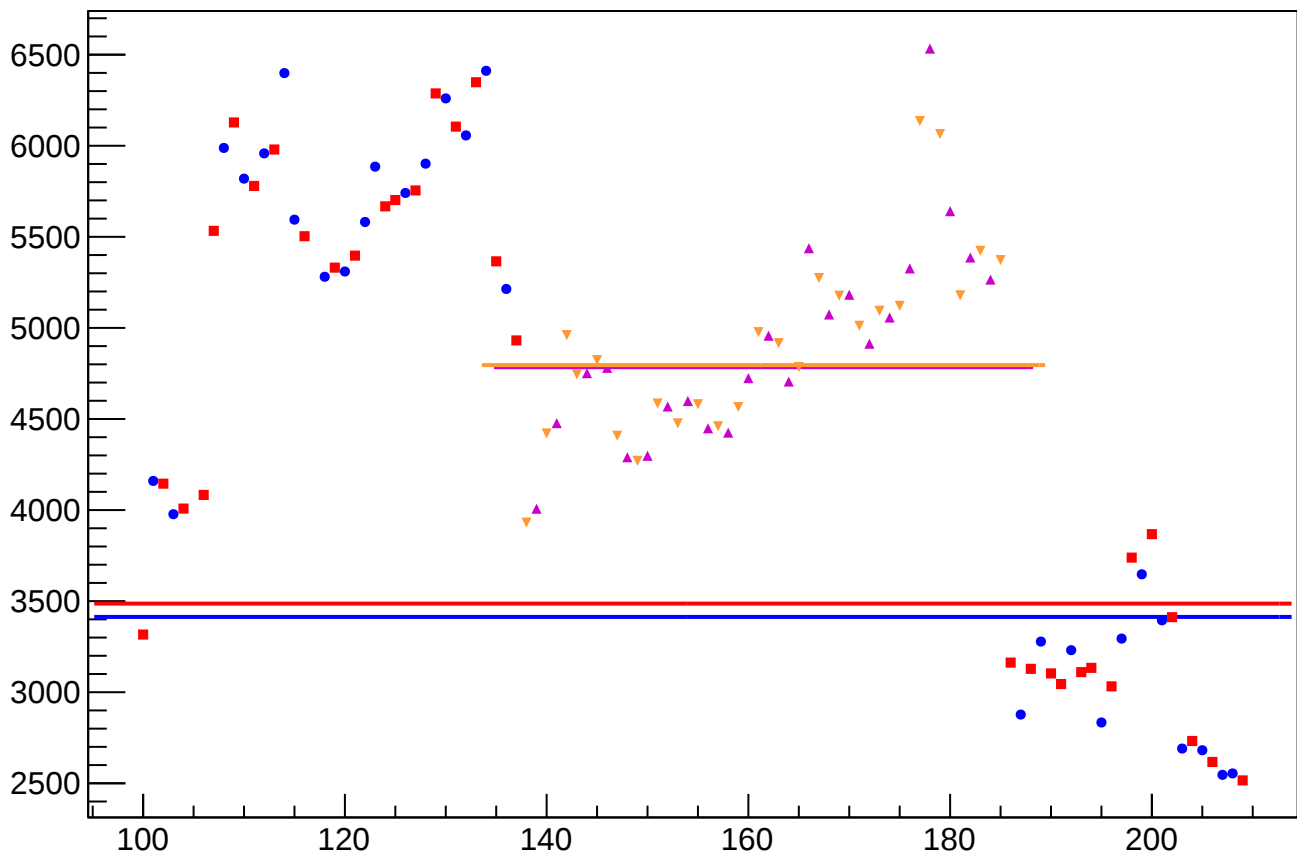
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -2.059 ± 0.722 χ^2/NDF : 363.3/52

All: 2.521 ± 0.509 χ^2/NDF : 1761.4/107

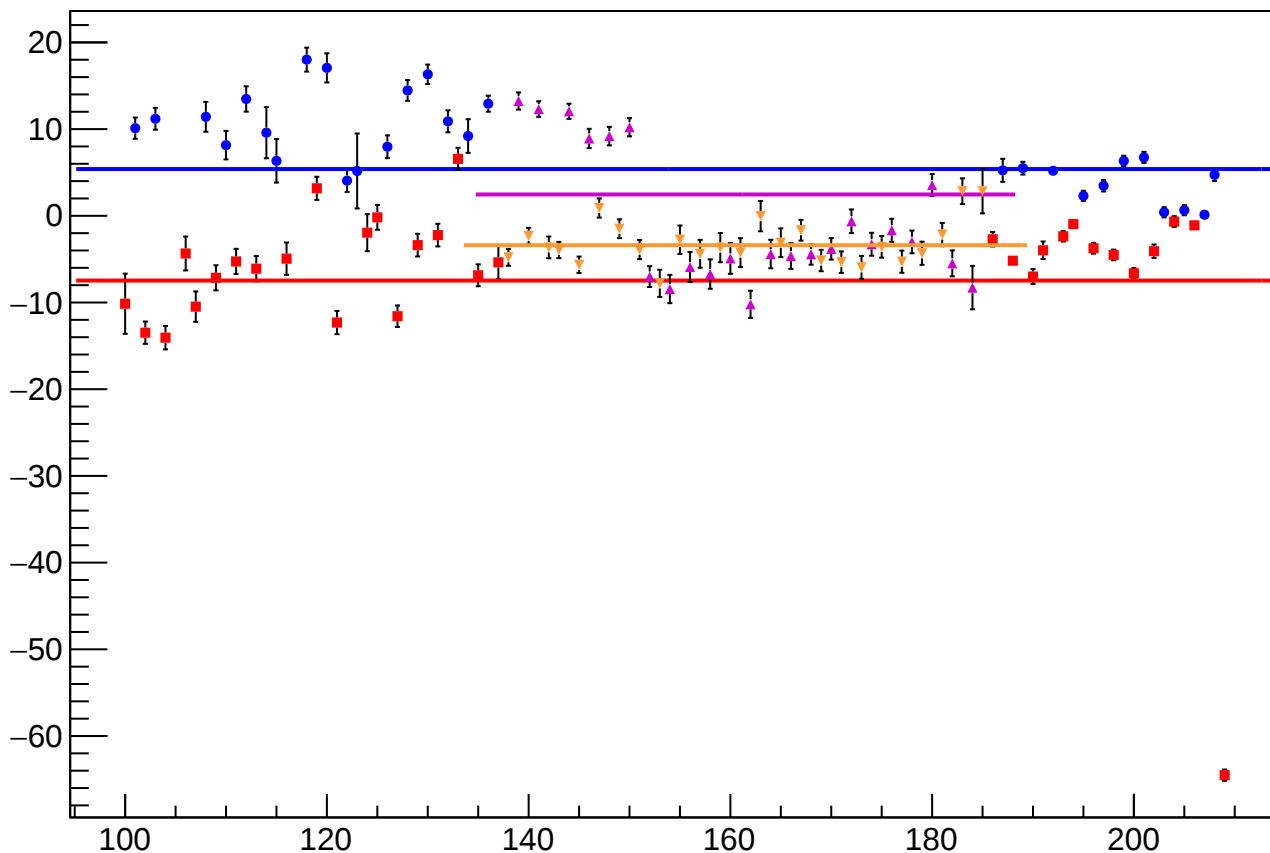
- sign 7.040 ± 0.717 χ^2/NDF : 1318.1/54

diff_bpm0r05Y_rms vs Slug



Right In: 3413.410+/-0.666	χ^2/NDF : 2539041.7/27	+ sign 3983.541+/-0.510	χ^2/NDF : 4678424.7/52
Left Out: 4795.847+/-0.795	χ^2/NDF : 361249.7/24	All: 3984.652+/-0.360	χ^2/NDF : 9099041.7/10
Right Out: 3486.592+/-0.646	χ^2/NDF : 2511520.0/31	- sign 3985.748+/-0.507	χ^2/NDF : 4420607.5/54
Left In: 4784.434+/-0.817	χ^2/NDF : 357507.2/22		

diff_bpm2i01X_mean vs Slug



Right In: 5.391 ± 0.167 $\chi^2/\text{NDF}: 729.5/27$

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

Right Out: -7.468 ± 0.158 $\chi^2/\text{NDF}: 8606.2/31$

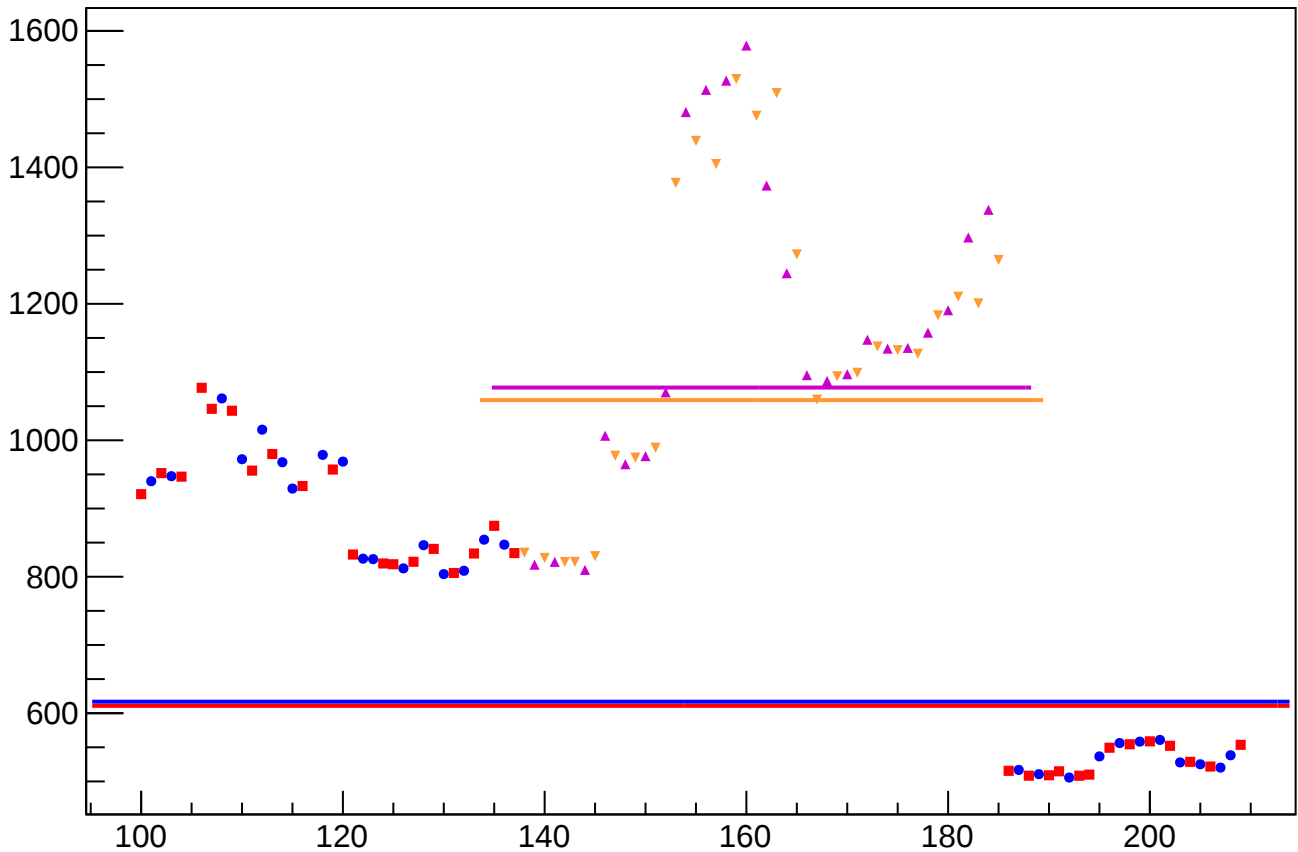
Left In: 2.461 ± 0.264 $\chi^2/\text{NDF}: 928.0/22$

+ sign 2.708 ± 0.139 $\chi^2/\text{NDF}: 1648.7/52$

All: -1.168 ± 0.097 $\chi^2/\text{NDF}: 13727.7/107$

- sign -4.847 ± 0.136 $\chi^2/\text{NDF}: 10572.4/54$

diff_bpm2i01X_rms vs Slug



Right In: 616.867 $\pm$ 0.118 χ^2 /NDF: 1772916.6/27

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

Right Out: 610.782 $\pm$ 0.112 χ^2 /NDF: 2023401.7/31

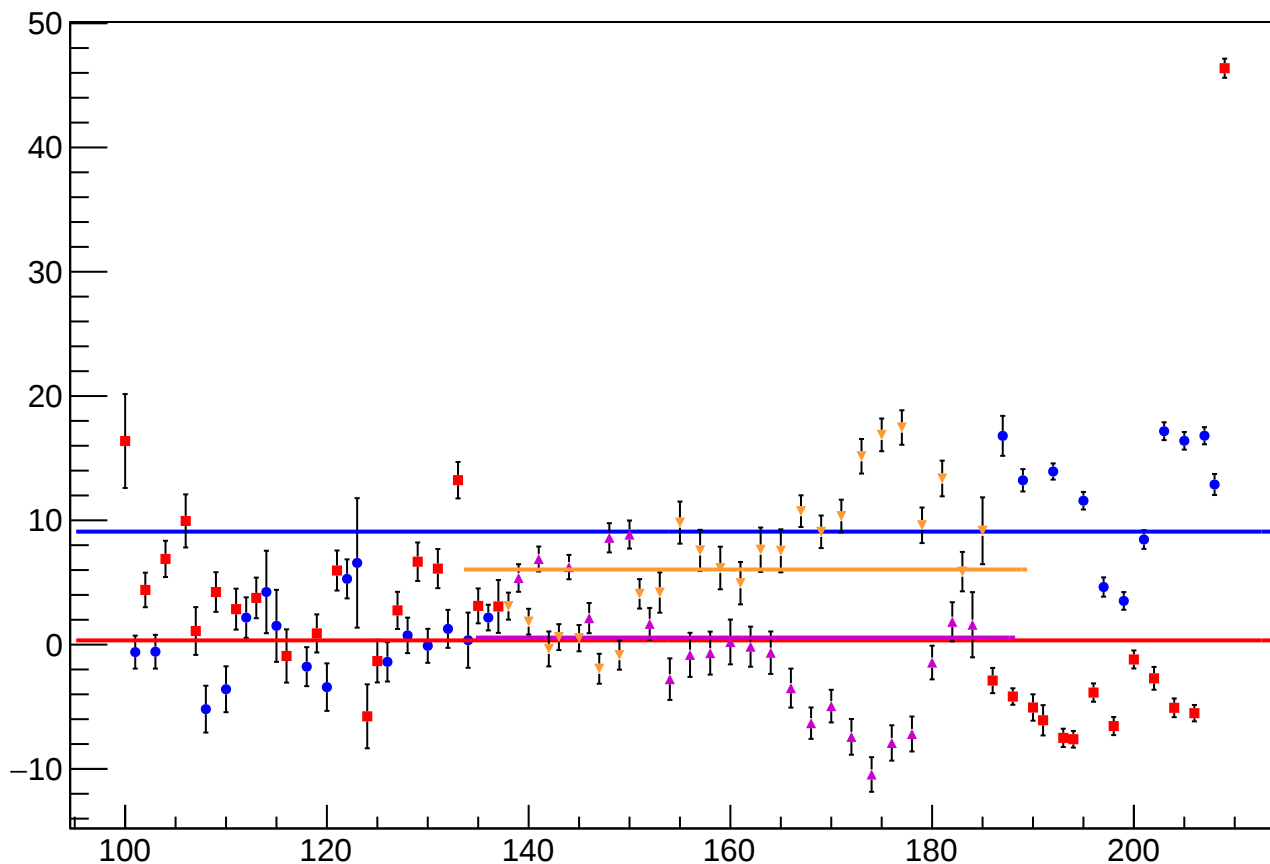
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF: 1280349.9/22

+ sign 751.916 $\pm$ 0.099 χ^2 /NDF: 7442160.2/52

All: 742.687 $\pm$ 0.069 χ^2 /NDF: 15346729.2/10

- sign 733.928 $\pm$ 0.096 χ^2 /NDF: 7887488.5/54

diff_bpm2i01Y_mean vs Slug



Right In: 9.092 ± 0.199 $\chi^2/\text{NDF}: 1127.3/27$

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

Right Out: 0.341 ± 0.189 $\chi^2/\text{NDF}: 4438.3/31$

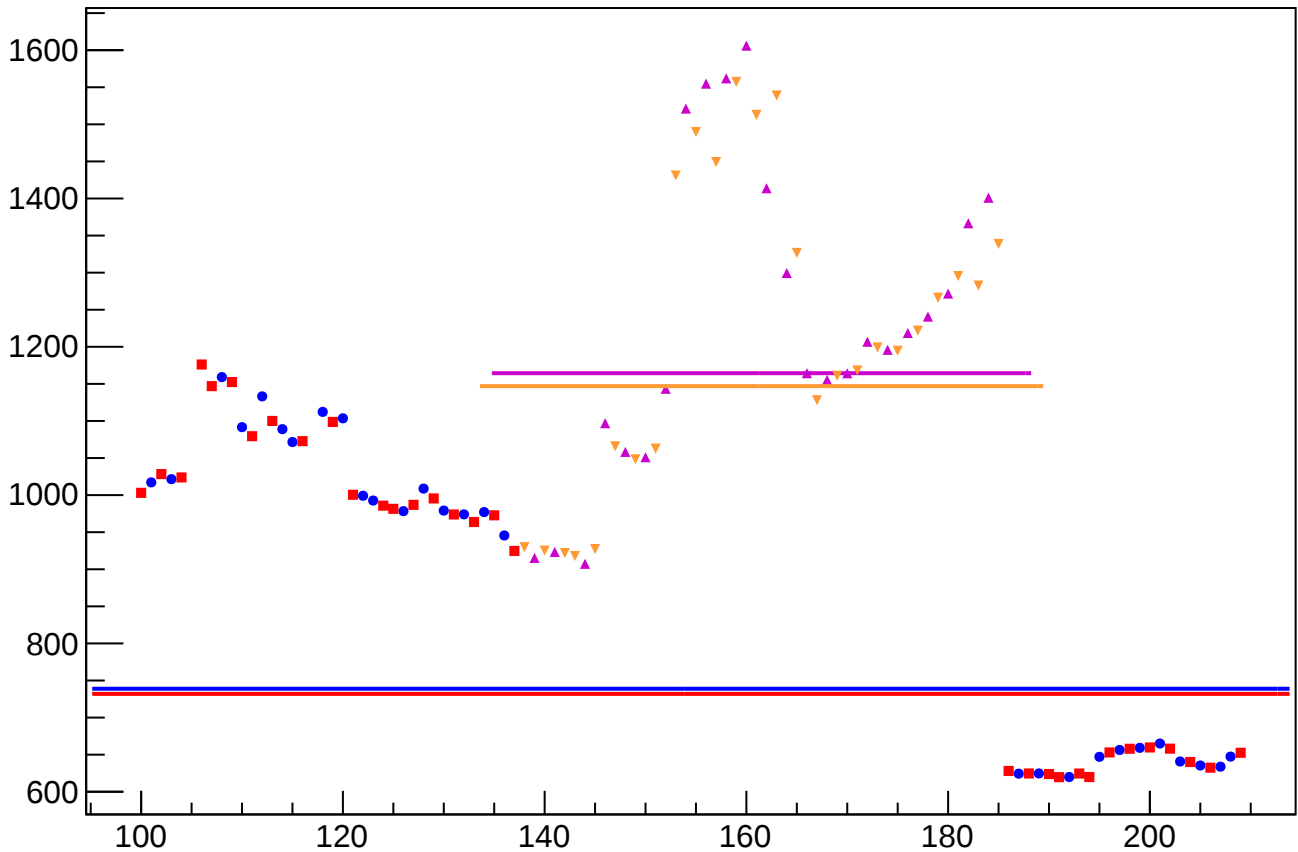
Left In: 0.566 ± 0.284 $\chi^2/\text{NDF}: 417.0/22$

+ sign 8.027 ± 0.161 $\chi^2/\text{NDF}: 1640.0/52$

All: 4.133 ± 0.112 $\chi^2/\text{NDF}: 7644.7/107$

- sign 0.410 ± 0.157 $\chi^2/\text{NDF}: 4855.7/54$

diff_bpm2i01Y_rms vs Slug



Right In: 738.883 $\pm$ 0.141 χ^2 /NDF: 1447667.0/27

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

Right Out: 731.969 $\pm$ 0.133 χ^2 /NDF: 1644084.6/31

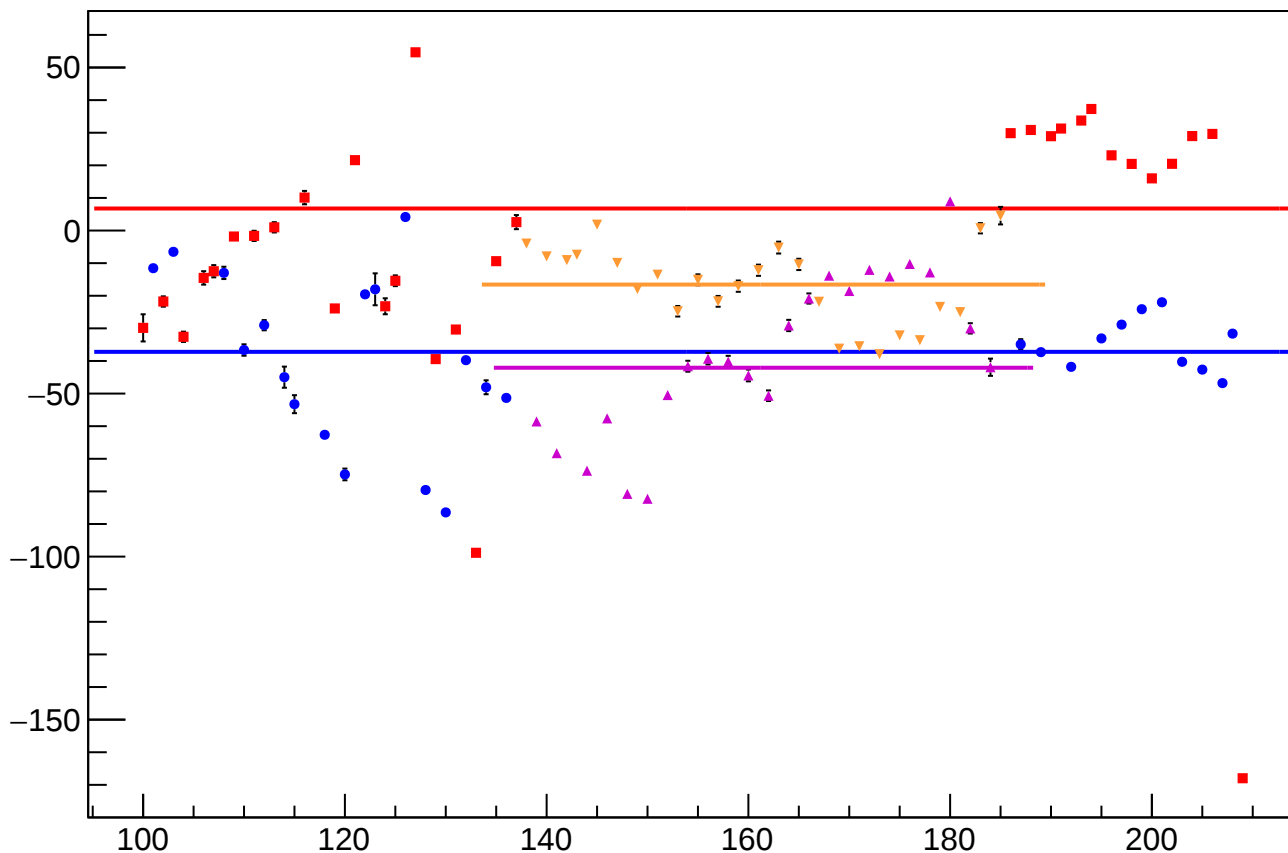
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF:944112.0/22

+ sign 881.602 $\pm$ 0.114 χ^2 /NDF: 5427807.9/52

All: 872.713 $\pm$ 0.079 χ^2 /NDF: 11244663.6/10

- sign 864.212 $\pm$ 0.111 χ^2 /NDF: 5804879.5/54

diff_bpm2i02X_mean vs Slug



Right In: -37.198 ± 0.196 χ^2/NDF : 6540.0/27

Left Out: -16.567 ± 0.275 χ^2/NDF : 1931.2/24

Right Out: 6.761 ± 0.186 χ^2/NDF : 70100.7/31

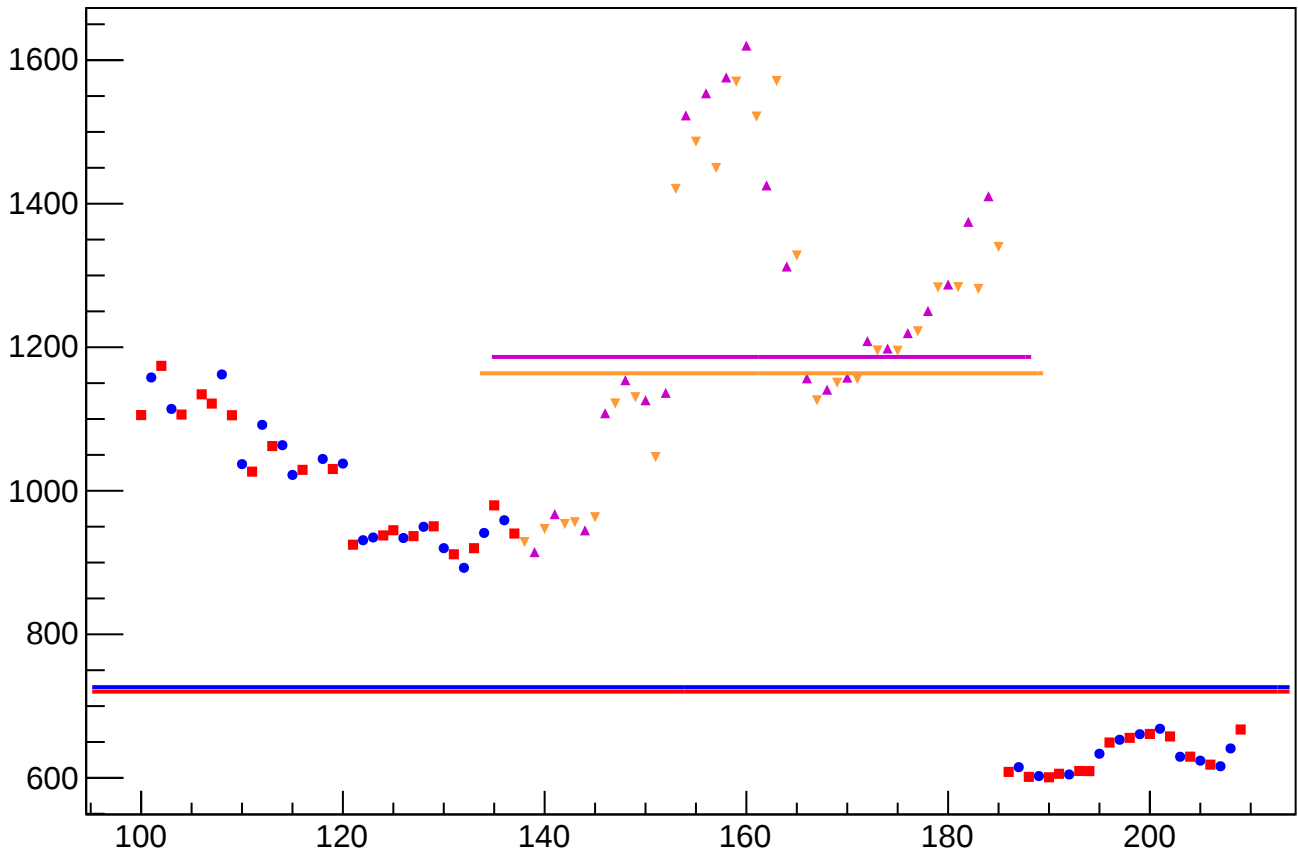
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

+ sign -30.262 ± 0.160 χ^2/NDF : 12200.1/52

All: -18.621 ± 0.112 χ^2/NDF : 121258.0/107

- sign -7.483 ± 0.156 χ^2/NDF : 98648.7/54

diff_bpm2i02X_rms vs Slug



Right In: 726.402 $\pm$ 0.139 χ^2 /NDF: 1466899.5/27

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

Right Out: 720.187 $\pm$ 0.131 χ^2 /NDF: 1647346.5/31

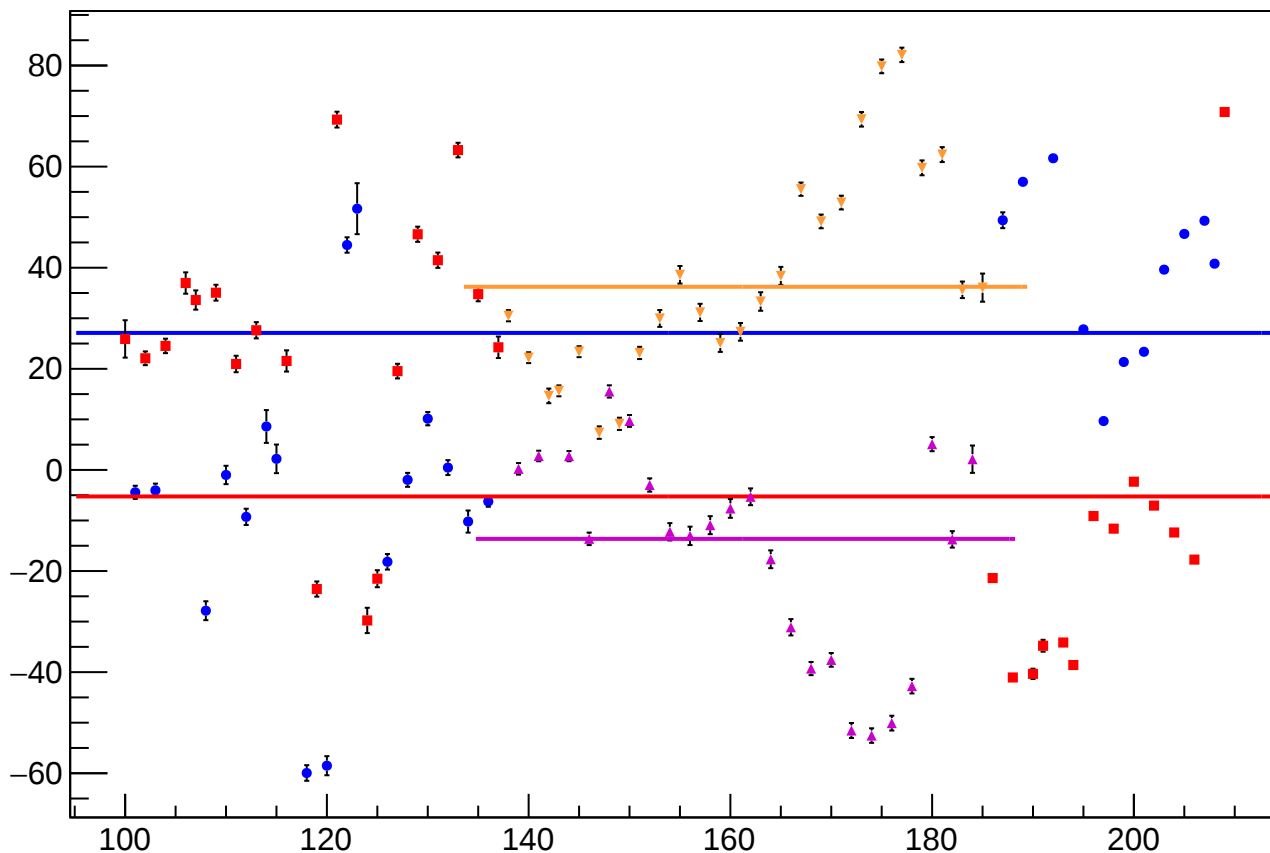
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF: 833420.3/22

+ sign 873.421 $\pm$ 0.113 χ^2 /NDF: 5753499.4/52

All: 864.612 $\pm$ 0.079 χ^2 /NDF: 11931834.2/10

- sign 856.182 $\pm$ 0.110 χ^2 /NDF: 6166410.4/54

diff_bpm2i02Y_mean vs Slug



Right In: 27.104 ± 0.194 $\chi^2/\text{NDF}: 18897.2/27$

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

Right Out: -5.249 ± 0.183 $\chi^2/\text{NDF}: 31857.7/31$

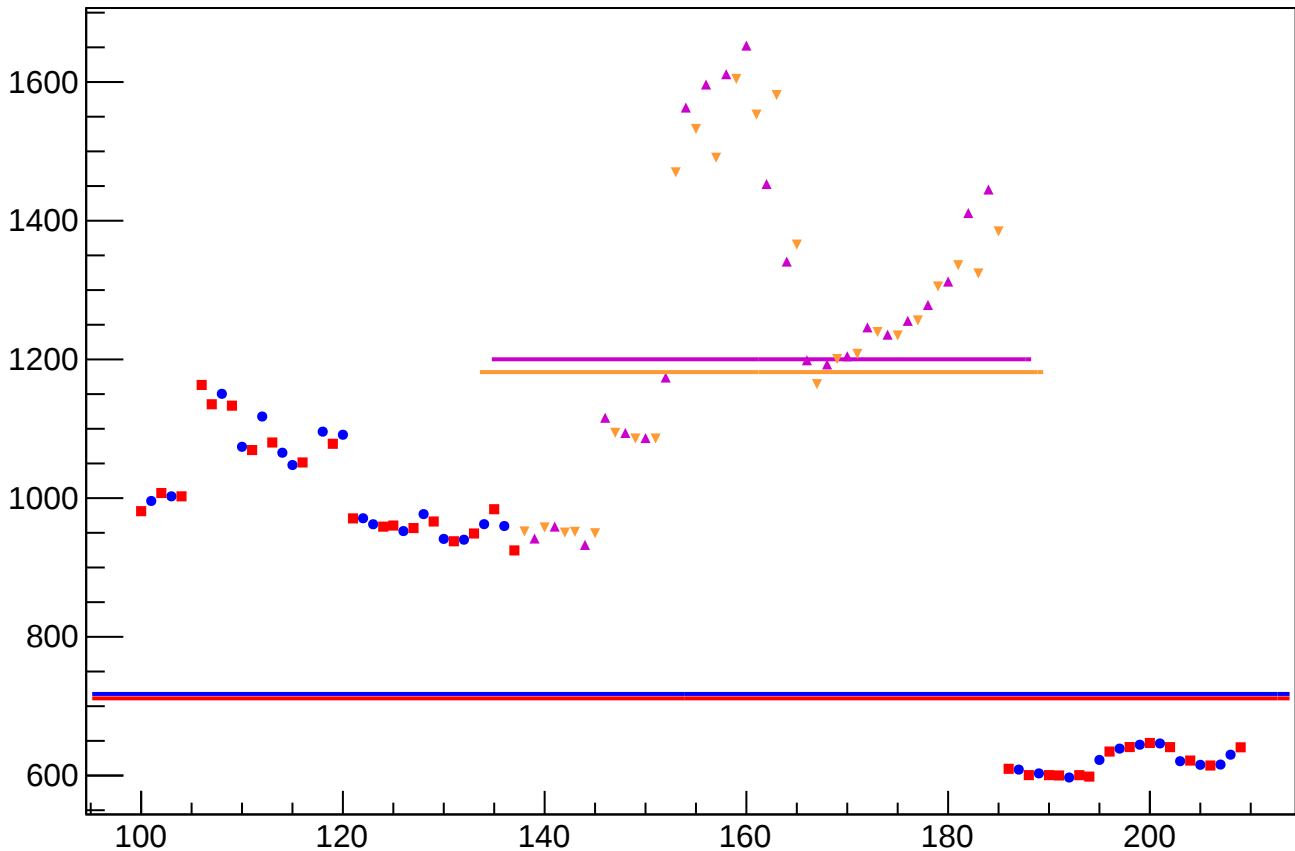
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 30.062 ± 0.159 $\chi^2/\text{NDF}: 25410.9/52$

All: 10.763 ± 0.111 $\chi^2/\text{NDF}: 91690.3/107$

- sign -7.614 ± 0.155 $\chi^2/\text{NDF}: 37625.5/54$

diff_bpm2i02Y_rms vs Slug



Right In: 717.664 $\pm$ 0.137 χ^2 /NDF: 1523708.3/27

Left Out: 1181.732 $\pm$ 0.198 χ^2 /NDF:1043520.8/24

Right Out: 711.305 $\pm$ 0.130 χ^2 /NDF: 1721499.3/31

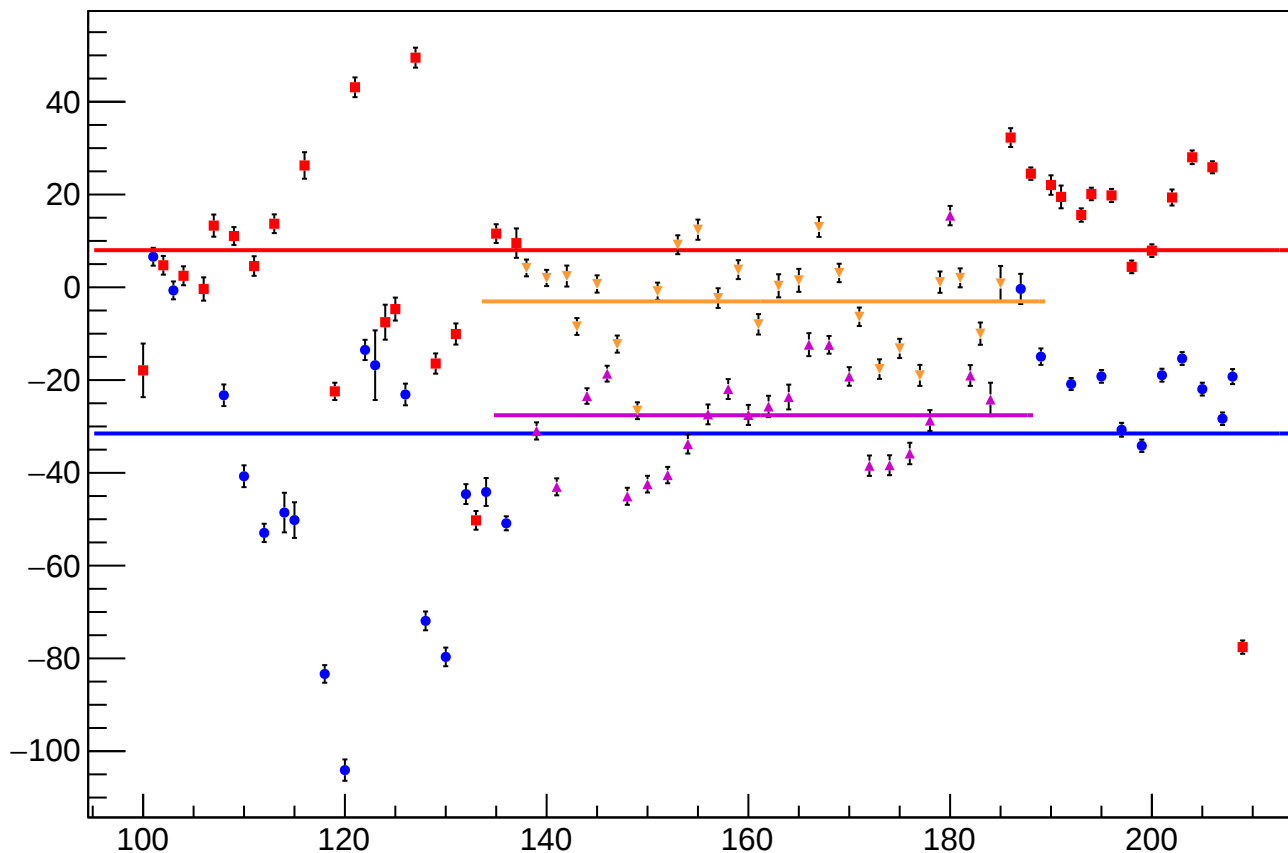
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF:938224.7/22

+ sign 867.997 $\pm$ 0.113 χ^2 /NDF: 6284721.1/52

All: 858.320 $\pm$ 0.079 χ^2 /NDF: 12963320.9/10

- sign 849.105 $\pm$ 0.110 χ^2 /NDF: 6664190.3/54

diff_bpm0i02X_mean vs Slug



Right In: -31.515 ± 0.344 χ^2/NDF : 4509.4/27

Left Out: -3.037 ± 0.415 χ^2/NDF : 555.6/24

Right Out: 8.002 ± 0.327 χ^2/NDF : 6592.5/31

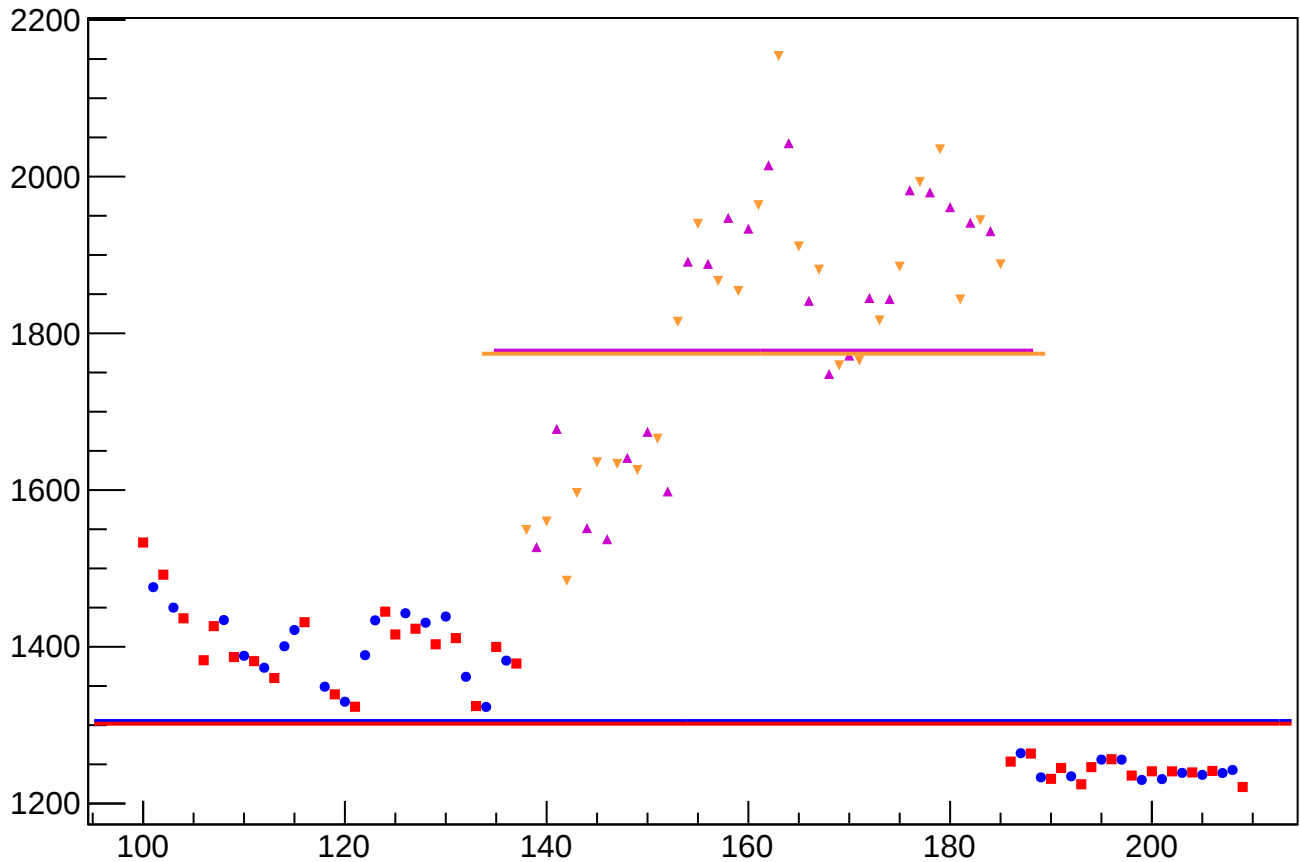
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -19.936 ± 0.265 χ^2/NDF : 7858.3/52

All: -12.384 ± 0.186 χ^2/NDF : 21360.6/107

- sign -5.087 ± 0.260 χ^2/NDF : 11901.7/54

diff_bpm0i02X_rms vs Slug



Right In: 1305.242 $\pm$ 0.243 χ^2 /NDF: 119521.1/27

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

Right Out: 1301.899 $\pm$ 0.231 χ^2 /NDF: 121764.3/31

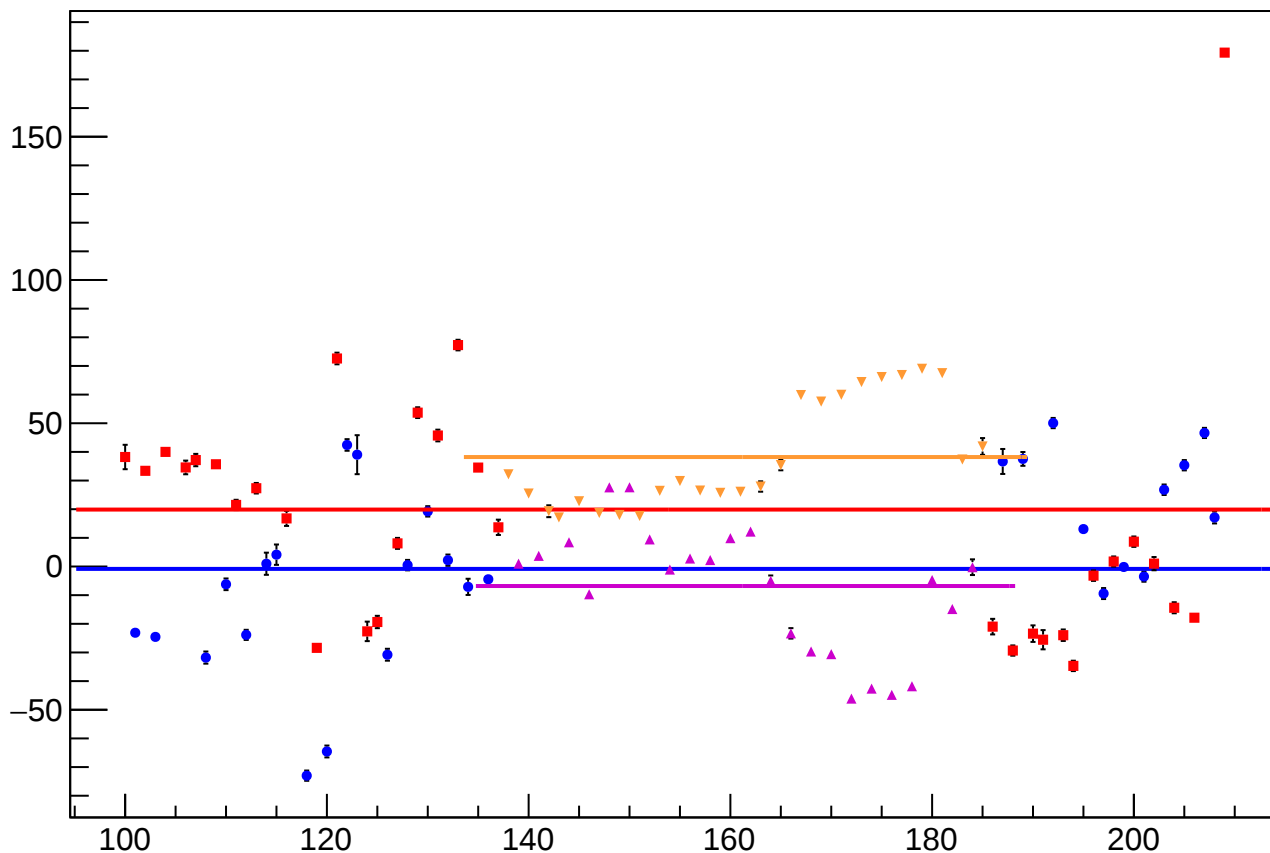
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

+ sign 1495.827 $\pm$ 0.187 χ^2 /NDF: 1945888.5/52

All: 1486.239 $\pm$ 0.131 χ^2 /NDF: 3928635.7/10

- sign 1476.974 $\pm$ 0.184 χ^2 /NDF: 1977587.0/54

diff_bpm0i02Y_mean vs Slug



Right In: -0.833 ± 0.368 χ^2/NDF : 6921.4/27

Left Out: 38.206 ± 0.323 χ^2/NDF : 3514.2/24

Right Out: 19.874 ± 0.352 χ^2/NDF : 16418.2/31

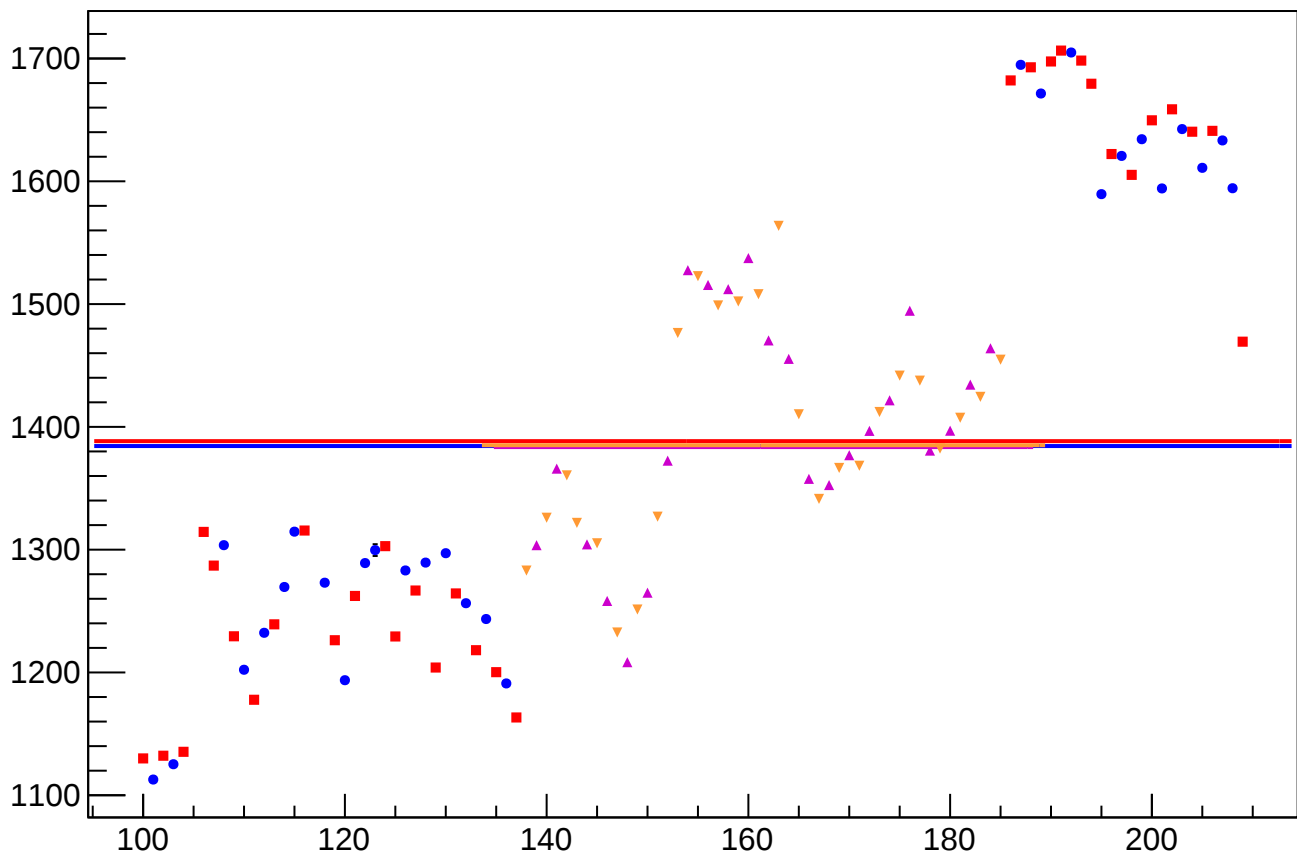
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 21.187 ± 0.243 χ^2/NDF : 16789.4/52

All: 13.456 ± 0.171 χ^2/NDF : 42750.7/107

- sign 5.777 ± 0.242 χ^2/NDF : 23941.3/54

diff_bpm0i02Y_rms vs Slug



Right In: 1384.390+/-0.260 χ^2/NDF : 627018.2/27

Left Out: 1385.063+/-0.229 χ^2/NDF : 146001.5/24

Right Out: 1388.383+/-0.249 χ^2/NDF : 740064.1/31

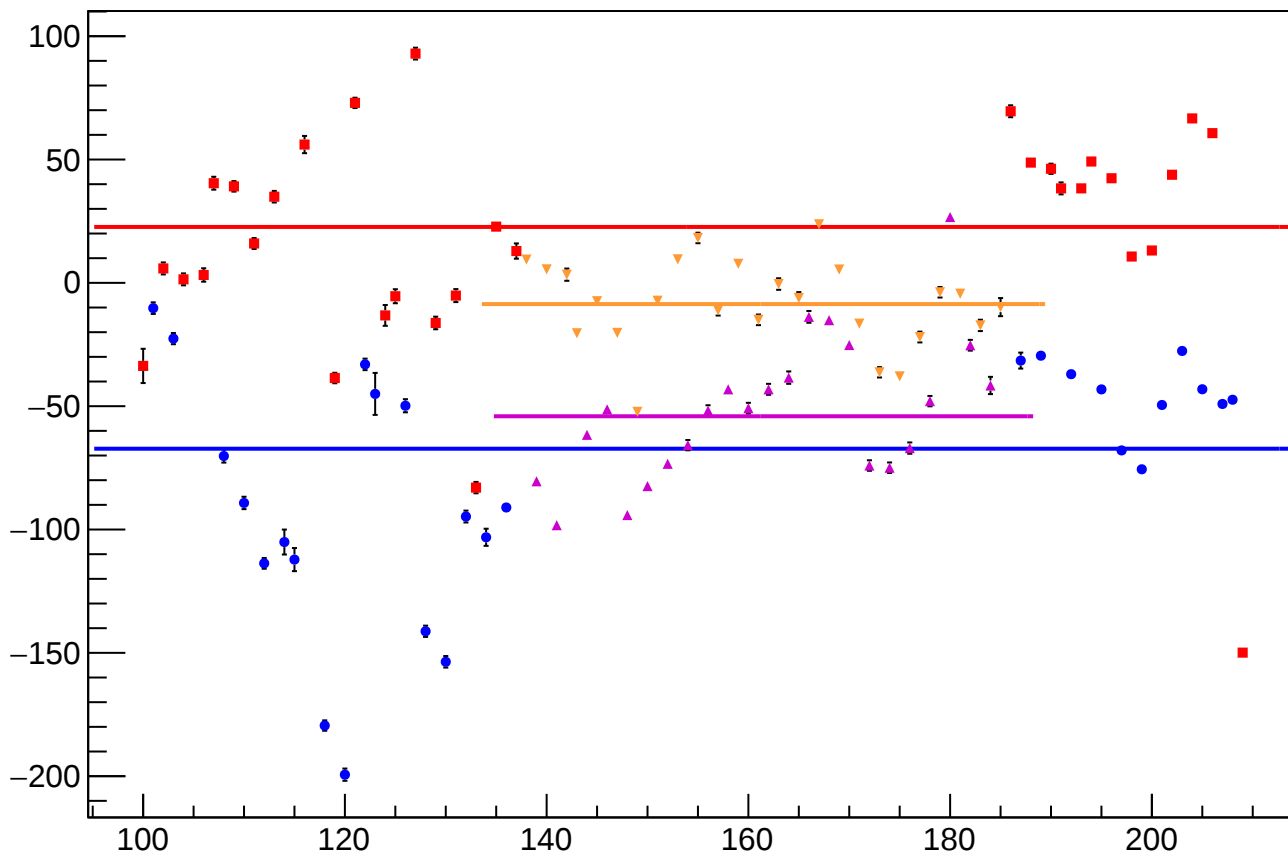
Left In: 1383.558+/-0.235 χ^2/NDF : 154696.0/22

+ sign 1384.770+/-0.172 χ^2/NDF : 773023.5/52

All: 1385.303+/-0.121 χ^2/NDF : 1668000.9/10

- sign 1385.834+/-0.171 χ^2/NDF : 894958.1/54

diff_bpm0i02aX_mean vs Slug



Right In: -67.236 ± 0.384 χ^2/NDF : 13049.1/27

Left Out: -8.606 ± 0.410 χ^2/NDF : 1930.5/24

Right Out: 22.672 ± 0.362 χ^2/NDF : 18791.5/31

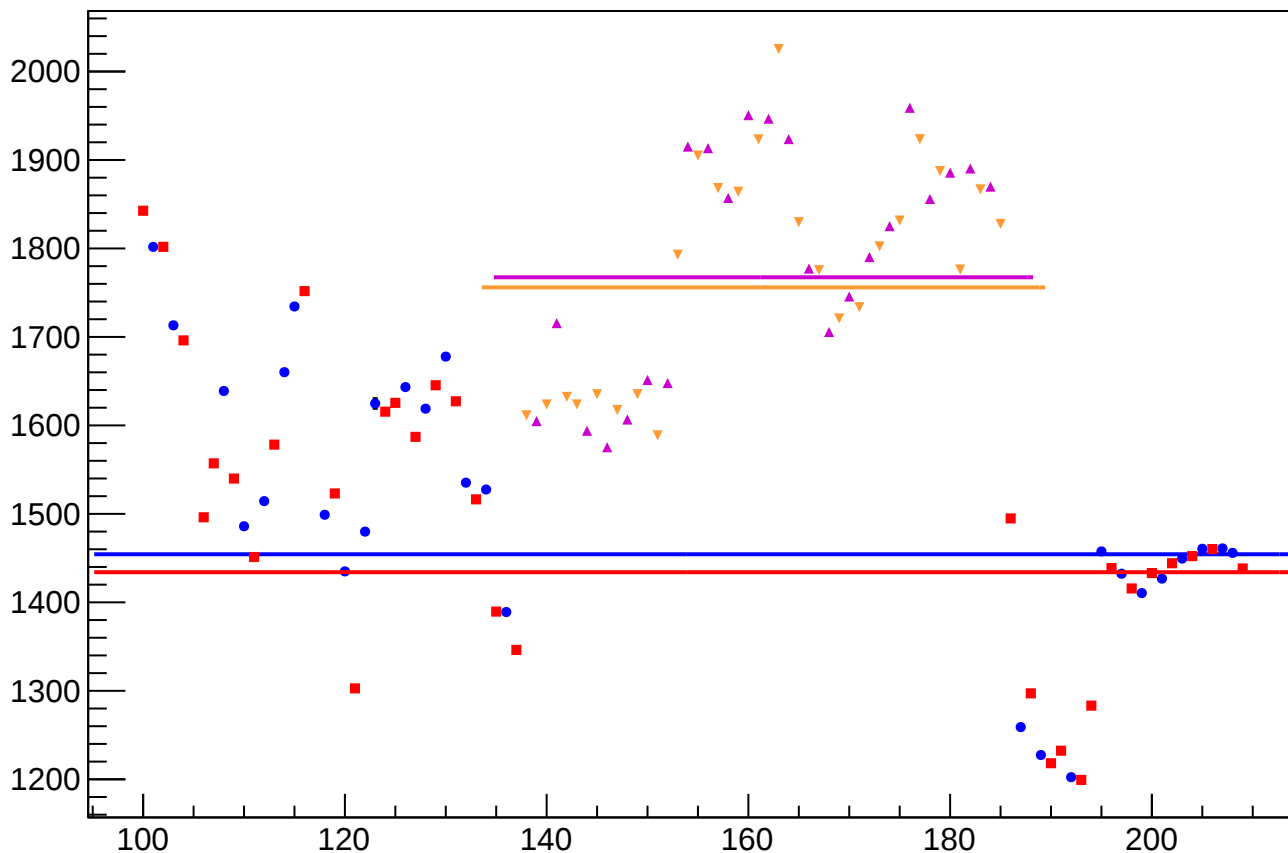
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

+ sign -39.865 ± 0.280 χ^2/NDF : 25870.6/52

All: -24.421 ± 0.196 χ^2/NDF : 74247.3/107

- sign -9.496 ± 0.276 χ^2/NDF : 42406.9/54

diff_bpm0i02aX_rms vs Slug



Right In: 1454.357 $\pm$ 0.271 χ^2 /NDF: 261572.0/27

Left Out: 1756.034 $\pm$ 0.290 χ^2 /NDF: 175762.3/24

Right Out: 1434.074 $\pm$ 0.256 χ^2 /NDF: 308751.5/31

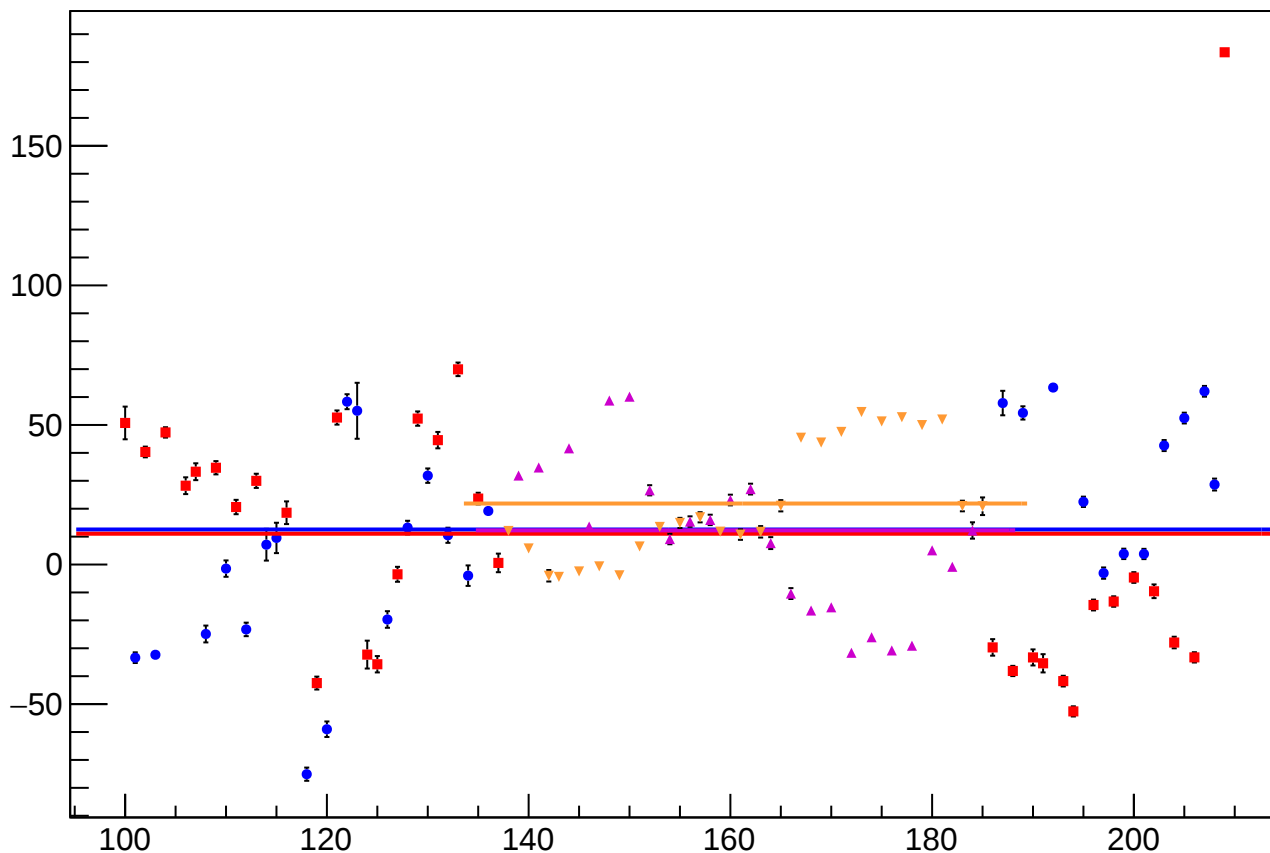
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF: 187958.2/22

+ sign 1595.194 $\pm$ 0.198 χ^2 /NDF: 1014012.6/52

All: 1584.297 $\pm$ 0.139 χ^2 /NDF: 2229251.1/10

- sign 1573.766 $\pm$ 0.195 χ^2 /NDF: 1209294.2/54

diff_bpm0i02aY_mean vs Slug



Right In: 12.555 $\pm$ 0.437 χ^2 /NDF: 6940.8/27

Left Out: 21.856 $\pm$ 0.335 χ^2 /NDF: 4110.5/24

Right Out: 11.034 $\pm$ 0.414 χ^2 /NDF: 18800.3/31

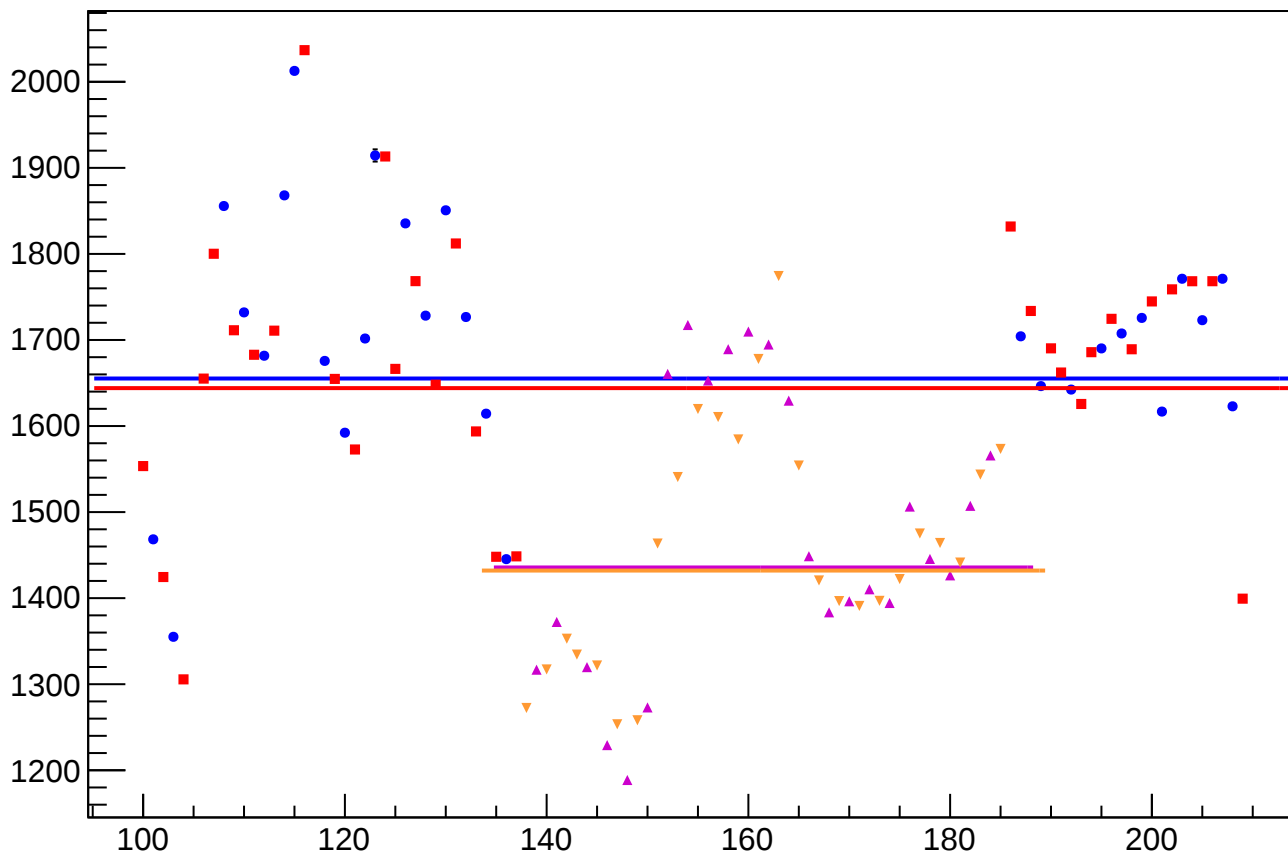
Left In: 12.246 $\pm$ 0.347 χ^2 /NDF: 6781.6/22

+ sign 18.408 $\pm$ 0.266 χ^2 /NDF: 11336.5/52

All: 15.078 $\pm$ 0.188 χ^2 /NDF: 37237.0/107

- sign 11.746 $\pm$ 0.266 χ^2 /NDF: 25586.9/54

diff_bpm0i02aY_rms vs Slug



Right In: 1655.222 $\pm$ 0.309 χ^2 /NDF: 180379.6/27

Left Out: 1432.060 $\pm$ 0.237 χ^2 /NDF: 297360.3/24

Right Out: 1644.054 $\pm$ 0.293 χ^2 /NDF: 253270.3/31

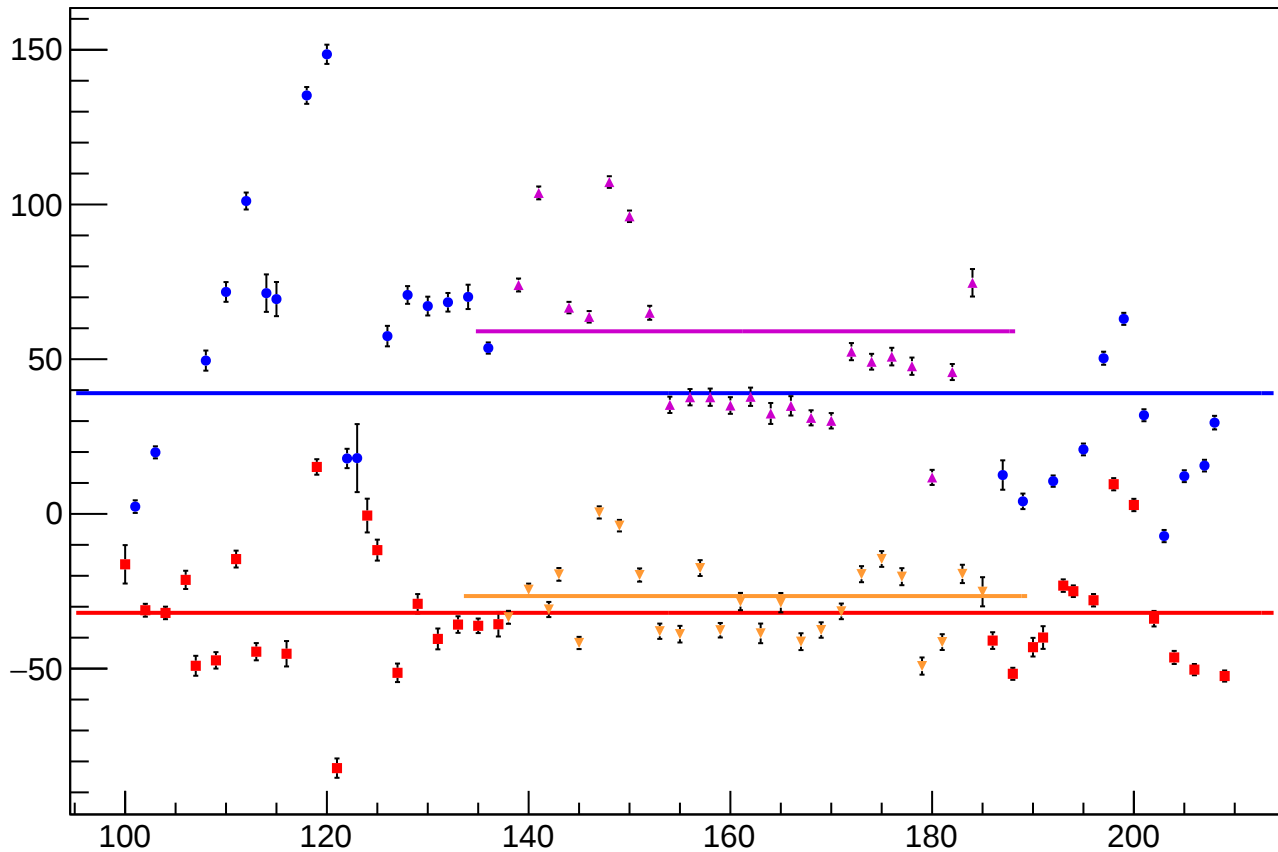
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1514.786 $\pm$ 0.188 χ^2 /NDF: 806122.9/52

All: 1518.176 $\pm$ 0.133 χ^2 /NDF: 1778219.9/10

- sign 1521.566 $\pm$ 0.188 χ^2 /NDF: 971447.4/54

diff_bpm0i05X_mean vs Slug



Right In: 39.022 ± 0.467 χ^2/NDF : 5776.4/27

Left Out: -26.554 ± 0.488 χ^2/NDF : 717.5/24

Right Out: -31.972 ± 0.442 χ^2/NDF : 2085.6/31

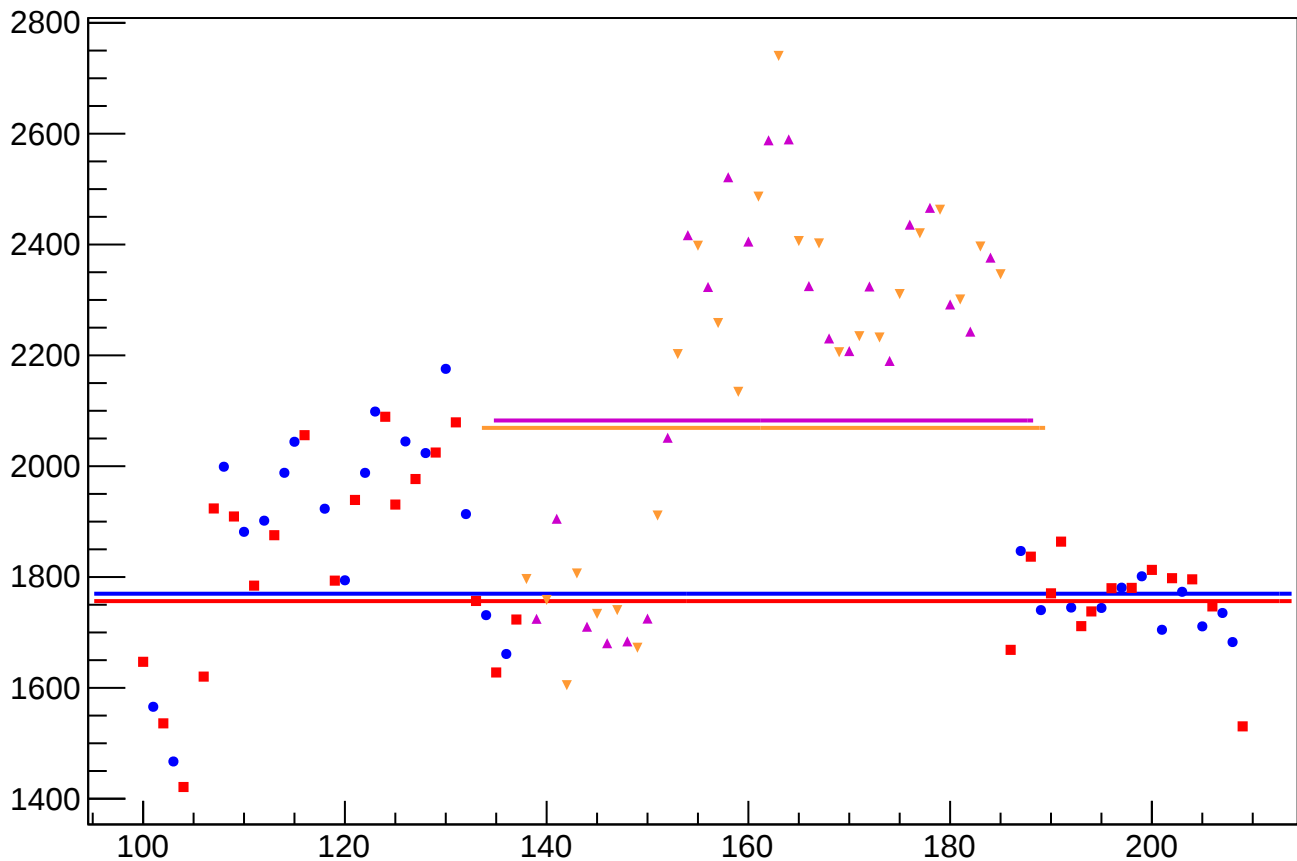
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

+ sign 7.662 ± 0.337 χ^2/NDF : 15920.9/52

All: 7.533 ± 0.237 χ^2/NDF : 39099.3/107

- sign 7.407 ± 0.333 χ^2/NDF : 23178.0/54

diff_bpm0i05X_rms vs Slug



Right In: 1769.911 ± 0.330 χ^2/NDF : 197816.9/27

Left Out: 2069.146 ± 0.345 χ^2/NDF : 799037.9/24

Right Out: 1756.560 ± 0.313 χ^2/NDF : 221951.9/31

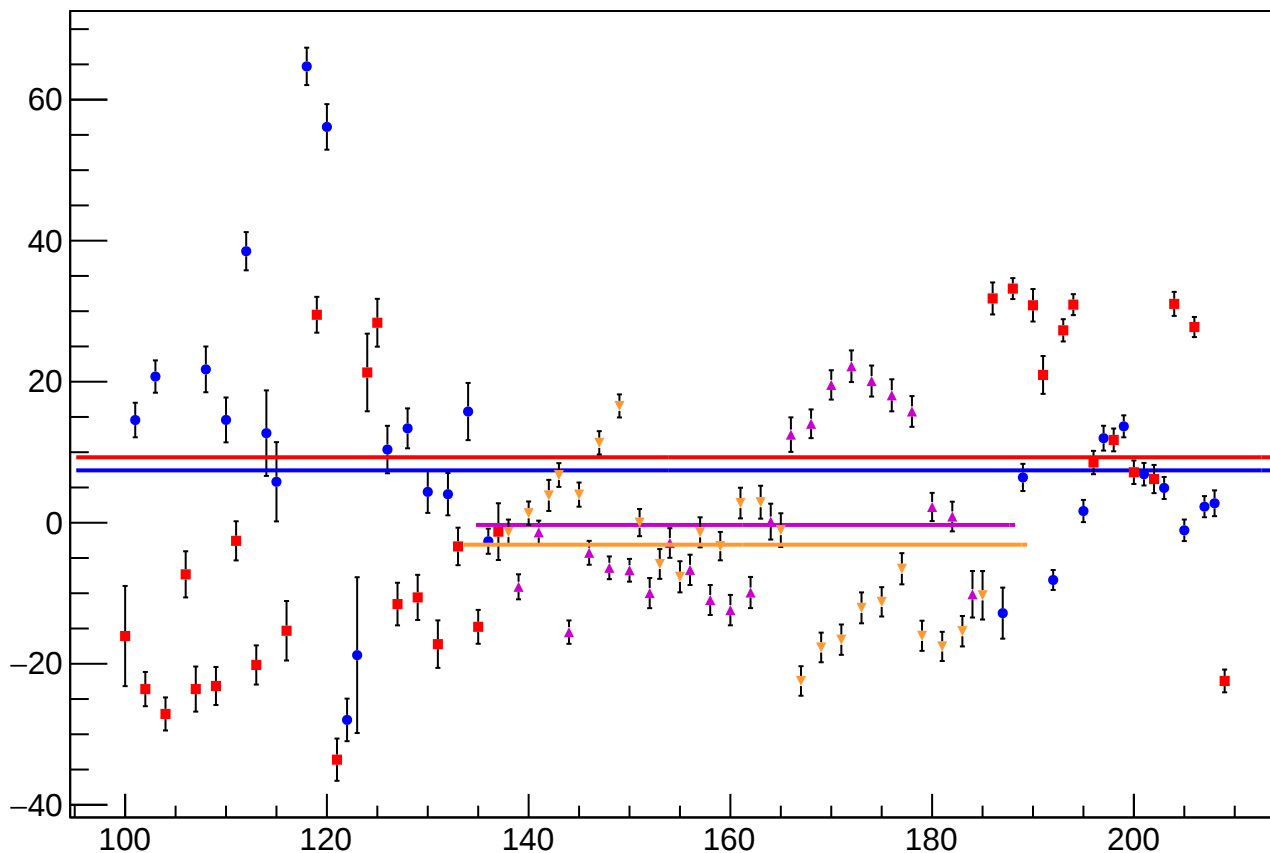
Left In: 2082.497 ± 0.358 χ^2/NDF : 785304.0/22

+ sign 1913.013 ± 0.239 χ^2/NDF : 1389449.5/52

All: 1905.222 ± 0.168 χ^2/NDF : 2868715.0/10

- sign 1897.625 ± 0.236 χ^2/NDF : 1477159.3/54

diff_bpm0i05Y_mean vs Slug



Right In: 7.427 ± 0.413 $\chi^2/\text{NDF}: 1320.4/27$

Left Out: -3.112 ± 0.404 $\chi^2/\text{NDF}: 643.7/24$

Right Out: 9.286 ± 0.393 $\chi^2/\text{NDF}: 2989.0/31$

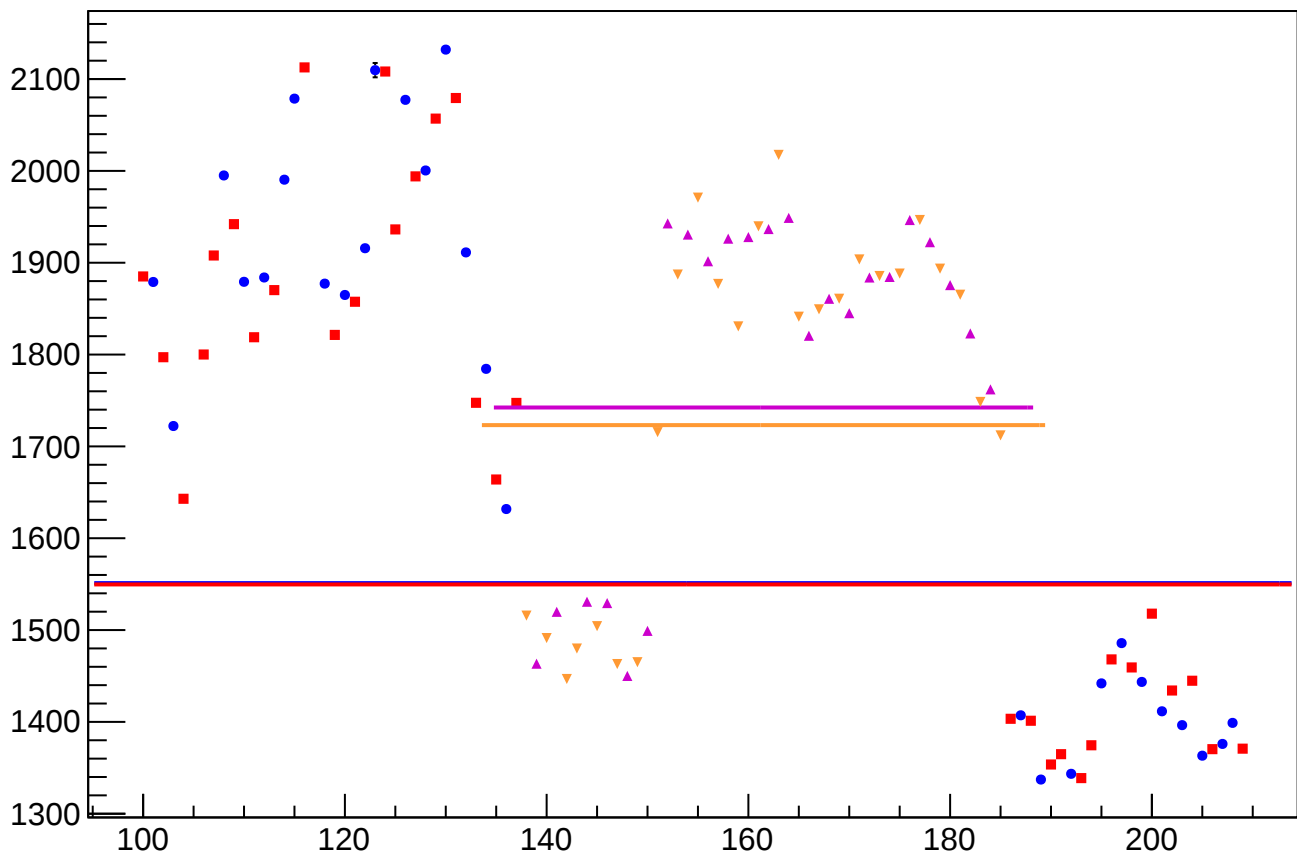
Left In: -0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

+ sign 2.050 ± 0.289 $\chi^2/\text{NDF}: 2297.1/52$

All: 3.441 ± 0.204 $\chi^2/\text{NDF}: 6346.4/107$

- sign -4.818 ± 0.287 $\chi^2/\text{NDF}: 4003.2/54$

diff_bpm0i05Y_rms vs Slug



Right In: 1551.113 $\pm$ 0.292 χ^2 /NDF: 661757.5/27

Left Out: 1723.168 $\pm$ 0.286 χ^2 /NDF: 477441.1/24

Right Out: 1549.679 $\pm$ 0.278 χ^2 /NDF: 640320.0/31

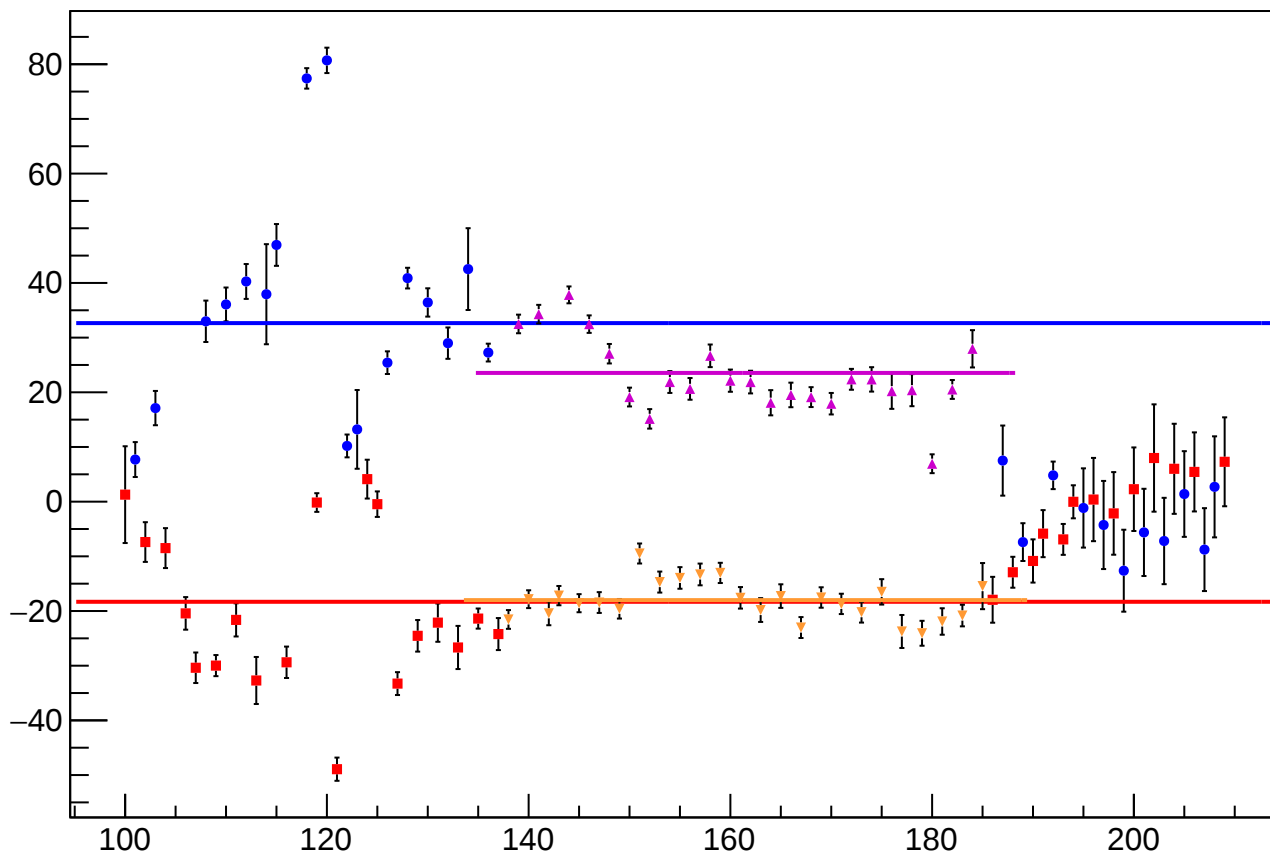
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

+ sign 1638.887 $\pm$ 0.204 χ^2 /NDF: 1316679.1/52

All: 1639.127 $\pm$ 0.144 χ^2 /NDF: 2616672.3/10

- sign 1639.365 $\pm$ 0.203 χ^2 /NDF: 1299990.5/54

diff_bpm0i07X_mean vs Slug



Right In: 32.656 $\pm$ 0.593 χ^2 /NDF: 1734.8/27

Left Out: -18.007 $\pm$ 0.397 χ^2 /NDF: 73.8/24

Right Out: -18.313 $\pm$ 0.547 χ^2 /NDF: 715.2/31

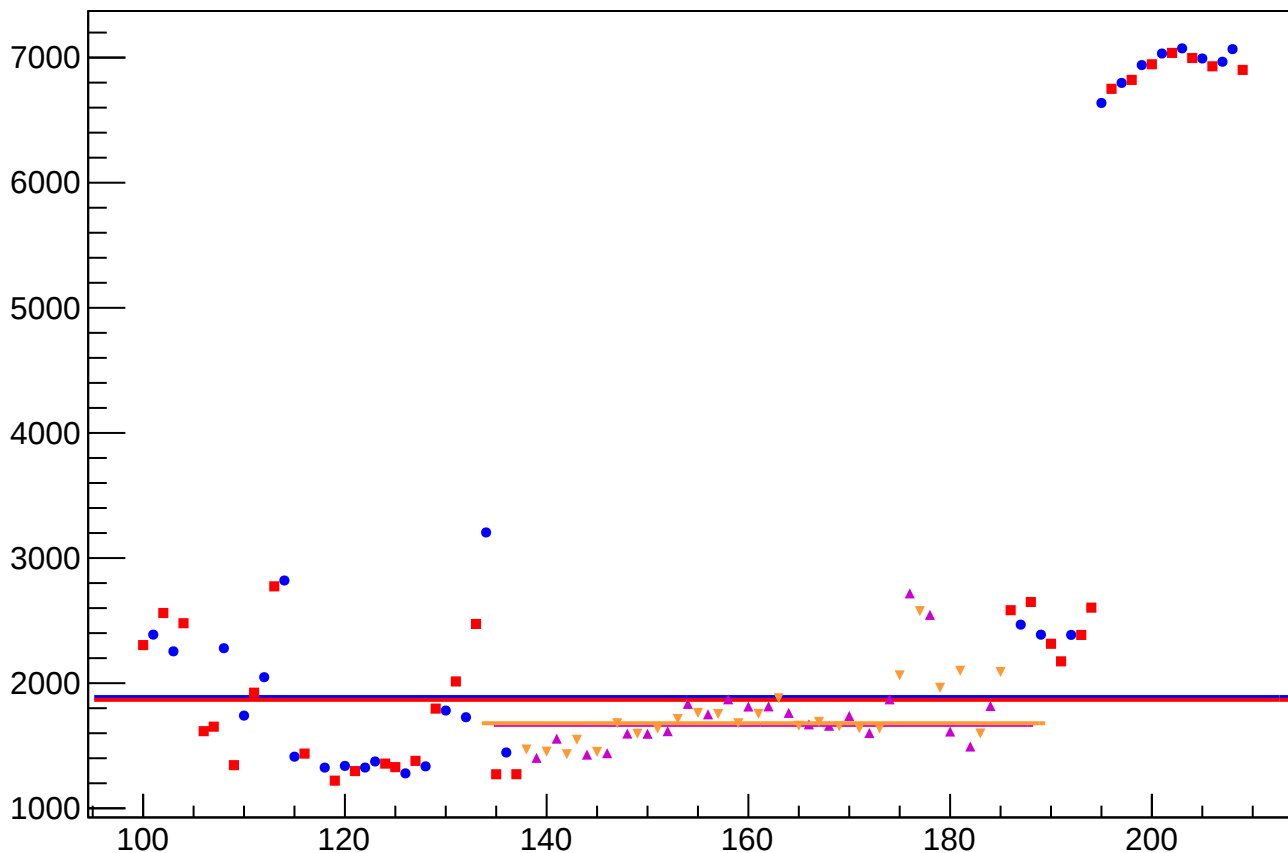
Left In: 23.544 $\pm$ 0.406 χ^2 /NDF: 346.7/22

+ sign -2.336 $\pm$ 0.330 χ^2 /NDF: 6854.1/52

All: 3.249 $\pm$ 0.232 χ^2 /NDF: 12257.6/107

- sign 8.706 $\pm$ 0.326 χ^2 /NDF: 4836.2/54

diff_bpm0i07X_rms vs Slug



Right In: 1889.013+/-0.419 χ^2/NDF : 7885972.7/27

Left Out: 1679.814+/-0.281 χ^2/NDF : 522795.6/24

Right Out: 1866.874+/-0.387 χ^2/NDF : 7550174.9/31

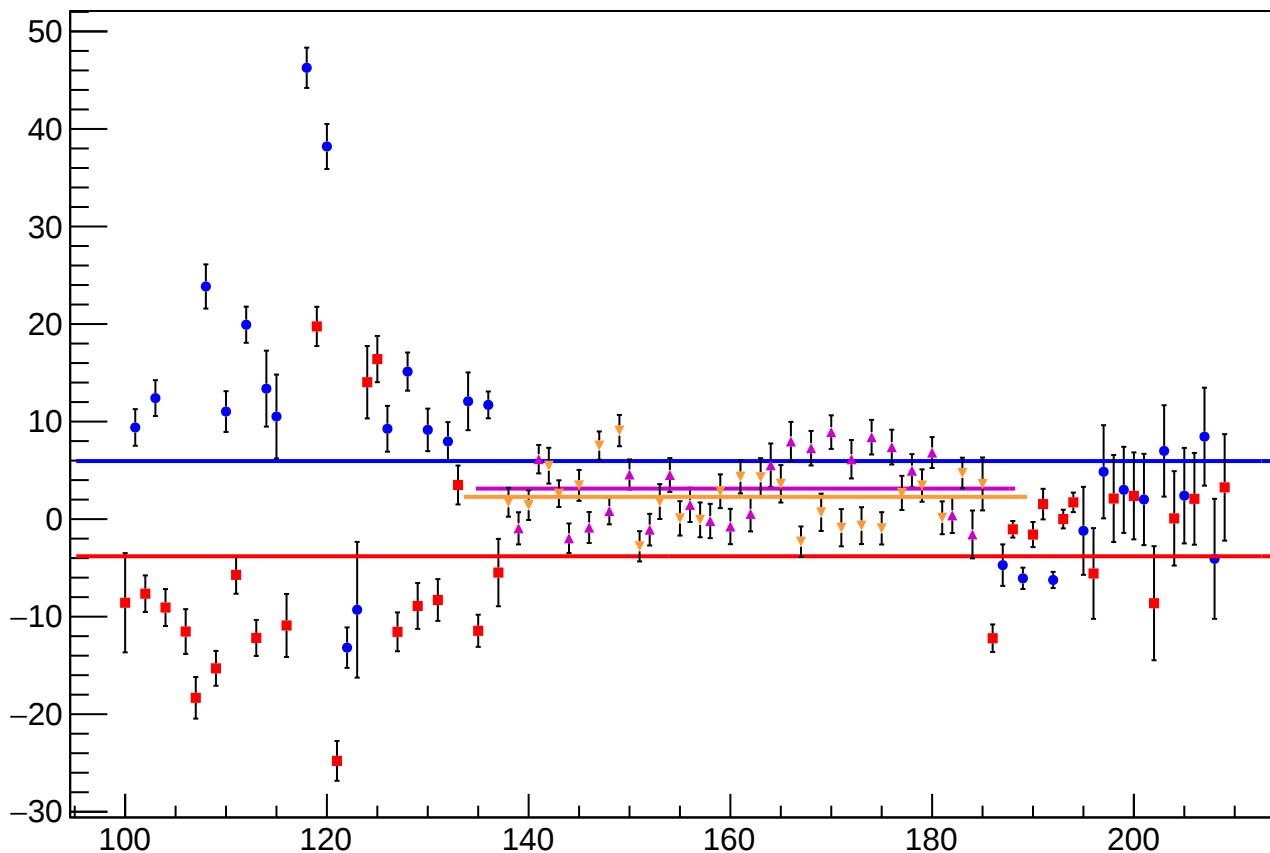
Left In: 1666.819+/-0.287 χ^2/NDF : 650990.8/22

+ sign 1744.527+/-0.233 χ^2/NDF : 8580824.6/52

All: 1741.094+/-0.164 χ^2/NDF : 16954855.9/100

- sign 1737.739+/-0.230 χ^2/NDF : 8373602.5/54

diff_bpm0i07Y_mean vs Slug



Right In: 5.952 ± 0.393 χ^2/NDF : 1229.3/27

Left Out: 2.280 ± 0.338 χ^2/NDF : 75.6/24

Right Out: -3.810 ± 0.327 χ^2/NDF : 652.0/31

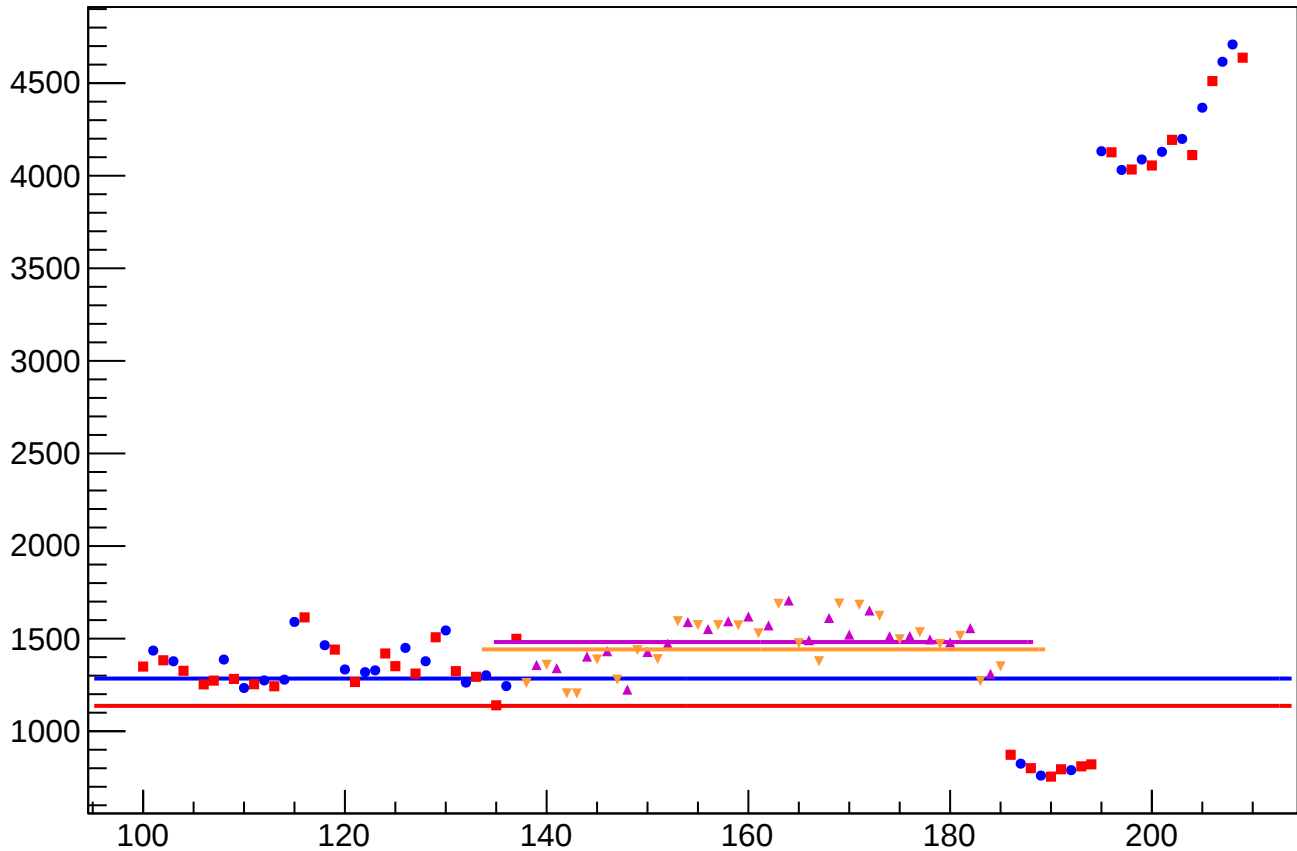
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 3.845 ± 0.256 χ^2/NDF : 1355.1/52

All: 1.460 ± 0.176 χ^2/NDF : 2479.1/107

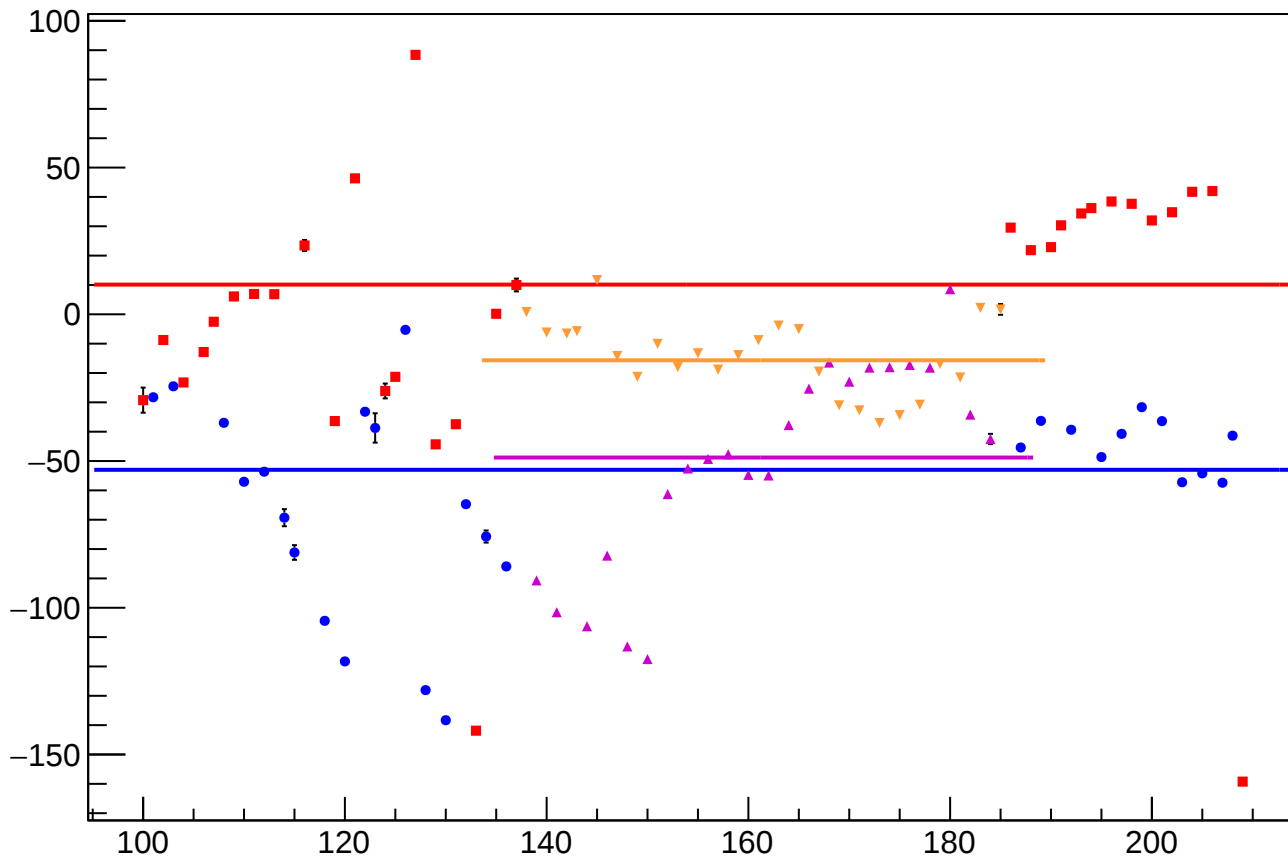
- sign -0.654 ± 0.241 χ^2/NDF : 960.6/54

diff_bpm0i07Y_rms vs Slug



Right In: 1284.403+/-0.278 χ^2/NDF : 7429595.9/27 + sign 1374.830+/-0.181 χ^2/NDF : 7985070.6/52
 Left Out: 1441.951+/-0.239 χ^2/NDF : 370617.4/24 All: 1331.817+/-0.124 χ^2/NDF : 16422226.5/1
 Right Out: 1136.808+/-0.231 χ^2/NDF : 7108585.6/31 - sign 1293.704+/-0.171 χ^2/NDF : 8330876.0/54
 Left In: 1481.695+/-0.253 χ^2/NDF : 208470.6/22

diff_bpm1i02X_mean vs Slug



Right In: -52.990 ± 0.194 χ^2/NDF : 17268.5/27

Left Out: -15.666 ± 0.212 χ^2/NDF : 3518.1/24

Right Out: 10.126 ± 0.184 χ^2/NDF : 86443.8/31

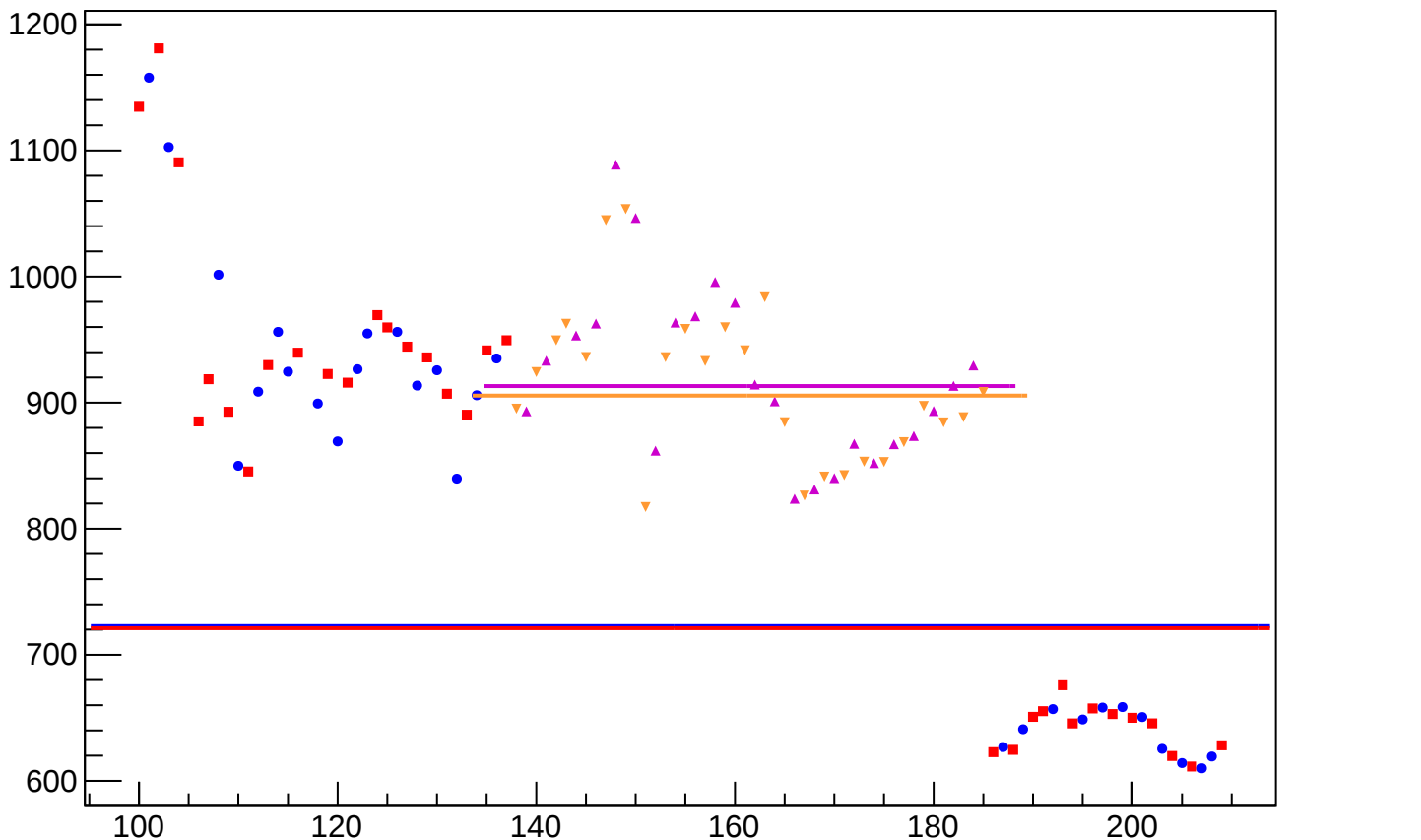
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -35.976 ± 0.143 χ^2/NDF : 37731.0/52

All: -24.960 ± 0.100 χ^2/NDF : 203416.7/107

- sign -14.188 ± 0.141 χ^2/NDF : 153916.4/54

diff_bpm1i02X_rms vs Slug



Right In: 722.764 $\pm$ 0.137 χ^2 /NDF: 1089869.9/27

Left Out: 905.578 $\pm$ 0.150 χ^2 /NDF:162073.5/24

Right Out: 721.108 $\pm$ 0.130 χ^2 /NDF: 1155471.4/31

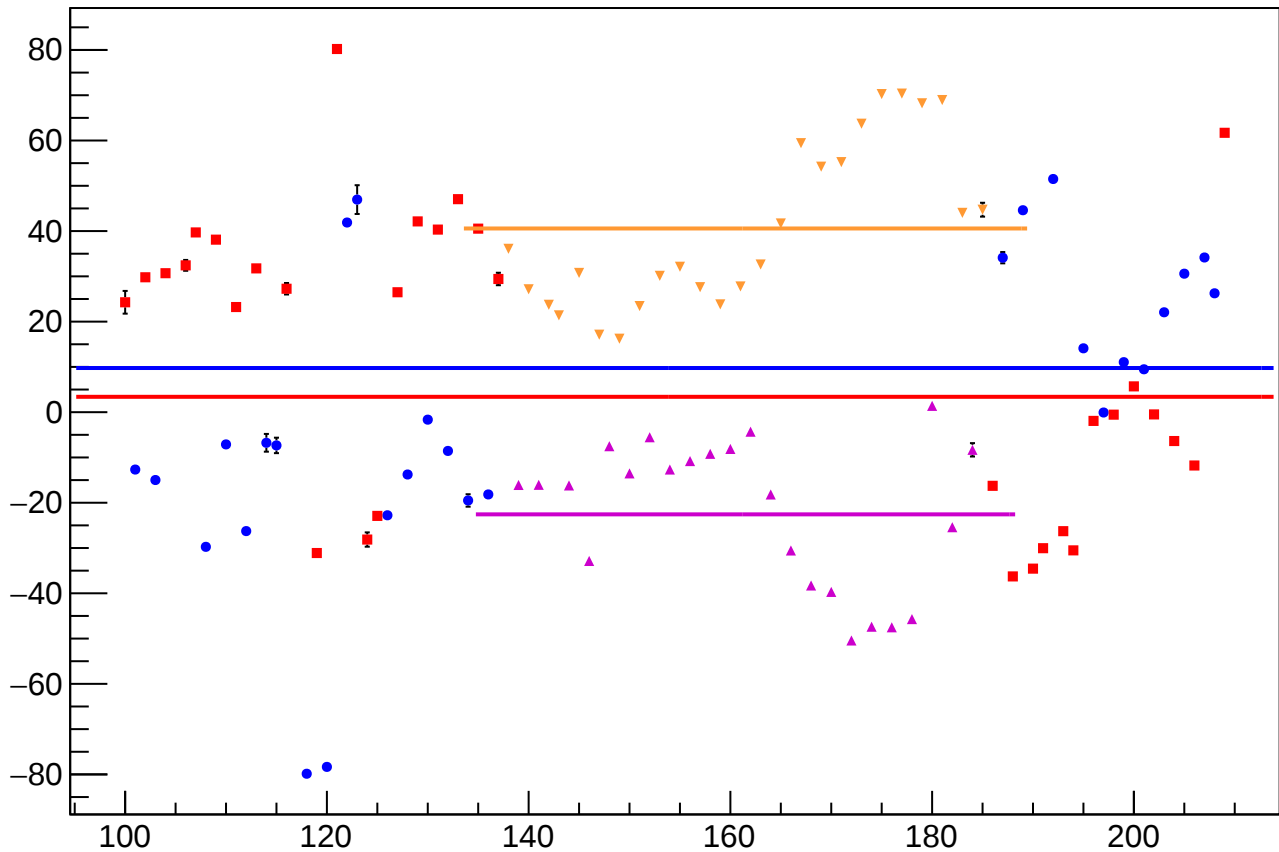
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF:174438.8/22

+ sign 806.098 $\pm$ 0.101 χ^2 /NDF: 2064956.9/52

All: 803.185 $\pm$ 0.071 χ^2 /NDF: 4292981.4/107

- sign 800.336 $\pm$ 0.100 χ^2 /NDF: 2226378.2/54

diff_bpm1i02Y_mean vs Slug



Right In: 9.756+/-0.142 χ^2/NDF : 41698.2/27

Left Out: 40.573+/-0.168 χ^2/NDF :12079.0/24

Right Out: 3.396+/-0.135 χ^2/NDF : 52354.6/31

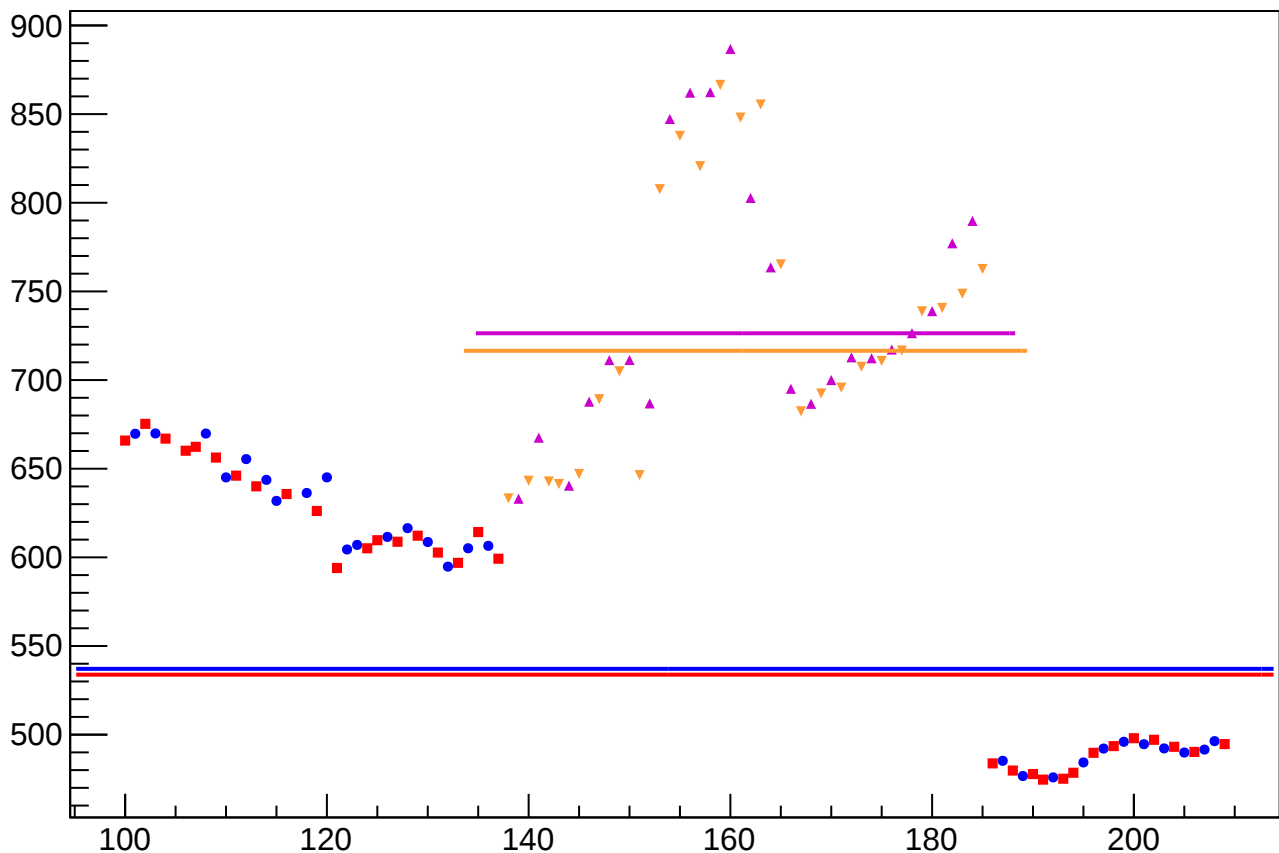
Left In: -22.565+/-0.175 χ^2/NDF :8167.7/22

+ sign 22.639+/-0.109 χ^2/NDF : 73395.7/52

All: 7.974+/-0.076 χ^2/NDF : 183686.8/107

- sign -6.268+/-0.107 χ^2/NDF : 74293.6/54

diff_bpm1i02Y_rms vs Slug



Right In: 537.119 $\pm$ 0.101 χ^2 /NDF: 469046.2/27

Left Out: 716.515 $\pm$ 0.119 χ^2 /NDF: 342740.2/24

Right Out: 533.841 $\pm$ 0.095 χ^2 /NDF: 518388.3/31

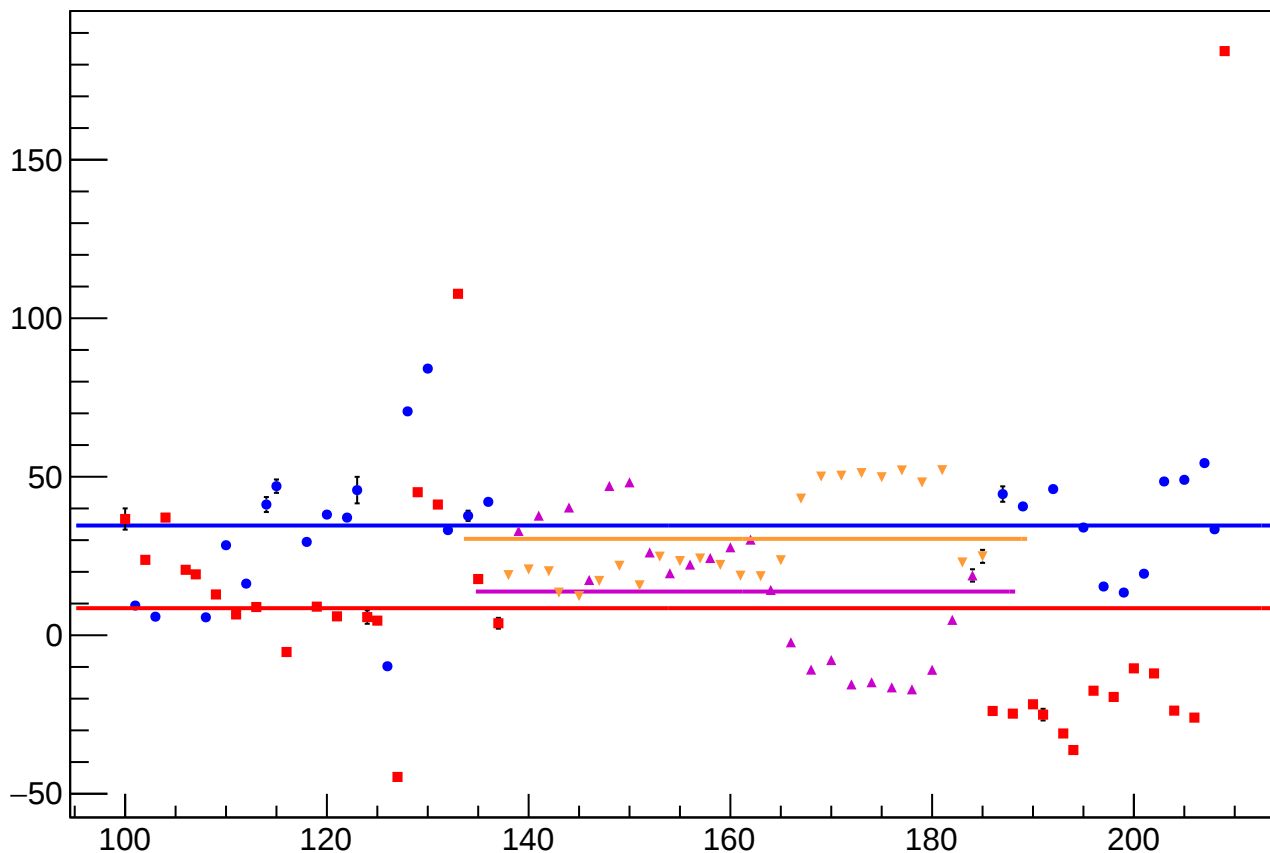
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF: 289788.8/22

+ sign 612.119 $\pm$ 0.077 χ^2 /NDF: 2141440.4/52

All: 608.768 $\pm$ 0.054 χ^2 /NDF: 4468450.0/107

- sign 605.515 $\pm$ 0.076 χ^2 /NDF: 2323251.3/54

diff_bpm1i04X_mean vs Slug



Right In: 34.616 ± 0.224 $\chi^2/\text{NDF}: 8284.2/27$

Left Out: 30.408 ± 0.237 $\chi^2/\text{NDF}: 3808.0/24$

Right Out: 8.543 ± 0.215 $\chi^2/\text{NDF}: 48822.7/31$

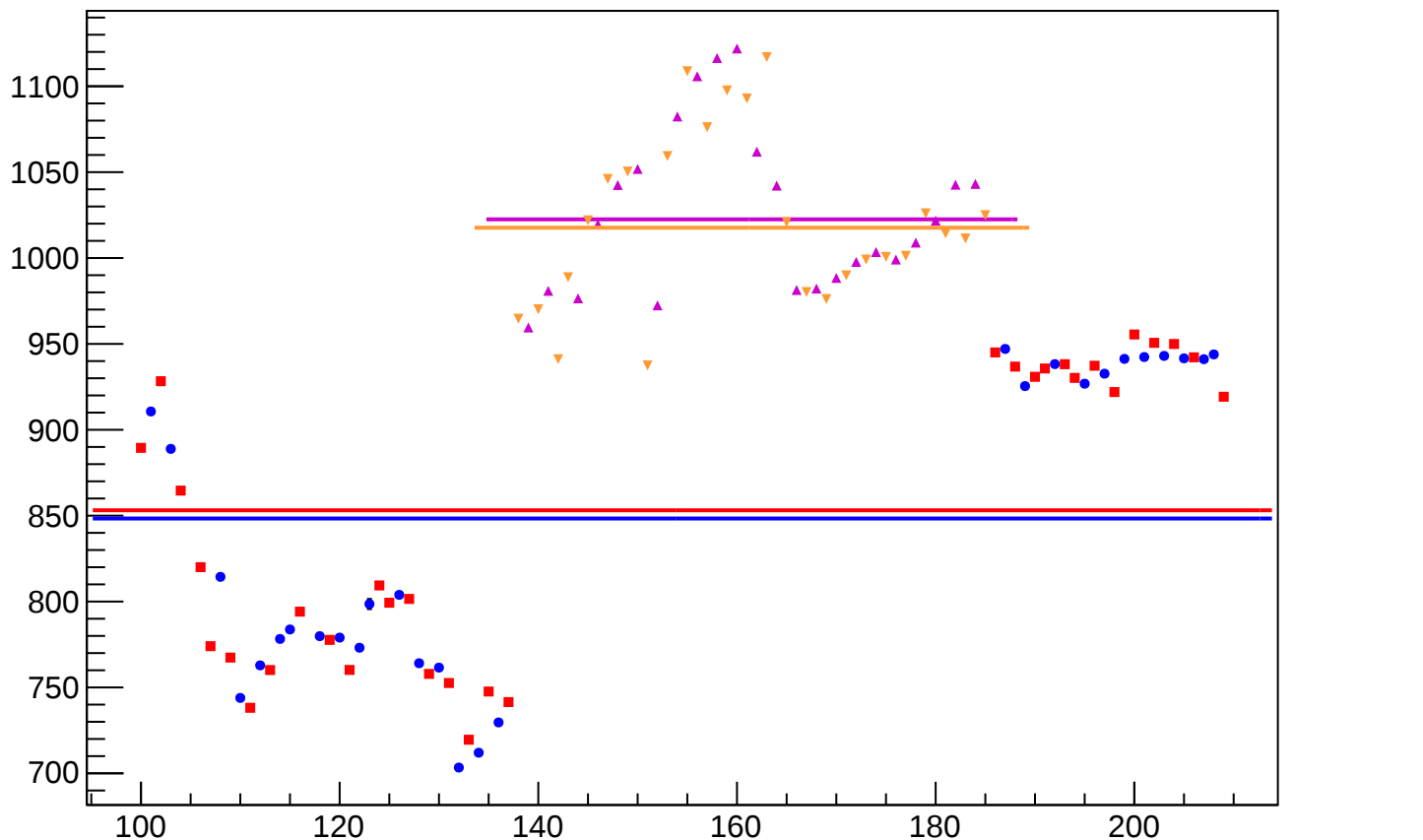
Left In: 13.787 ± 0.246 $\chi^2/\text{NDF}: 7979.7/22$

+ sign 32.633 ± 0.163 $\chi^2/\text{NDF}: 12258.3/52$

All: 21.649 ± 0.115 $\chi^2/\text{NDF}: 78339.0/107$

- sign 10.816 ± 0.162 $\chi^2/\text{NDF}: 57060.1/54$

diff_bpm1i04X_rms vs Slug



Right In: 848.350 $\pm$ 0.159 χ^2 /NDF: 323533.9/27

Left Out: 1017.653 $\pm$ 0.168 χ^2 /NDF:83612.5/24

Right Out: 853.144 $\pm$ 0.152 χ^2 /NDF: 323515.2/31

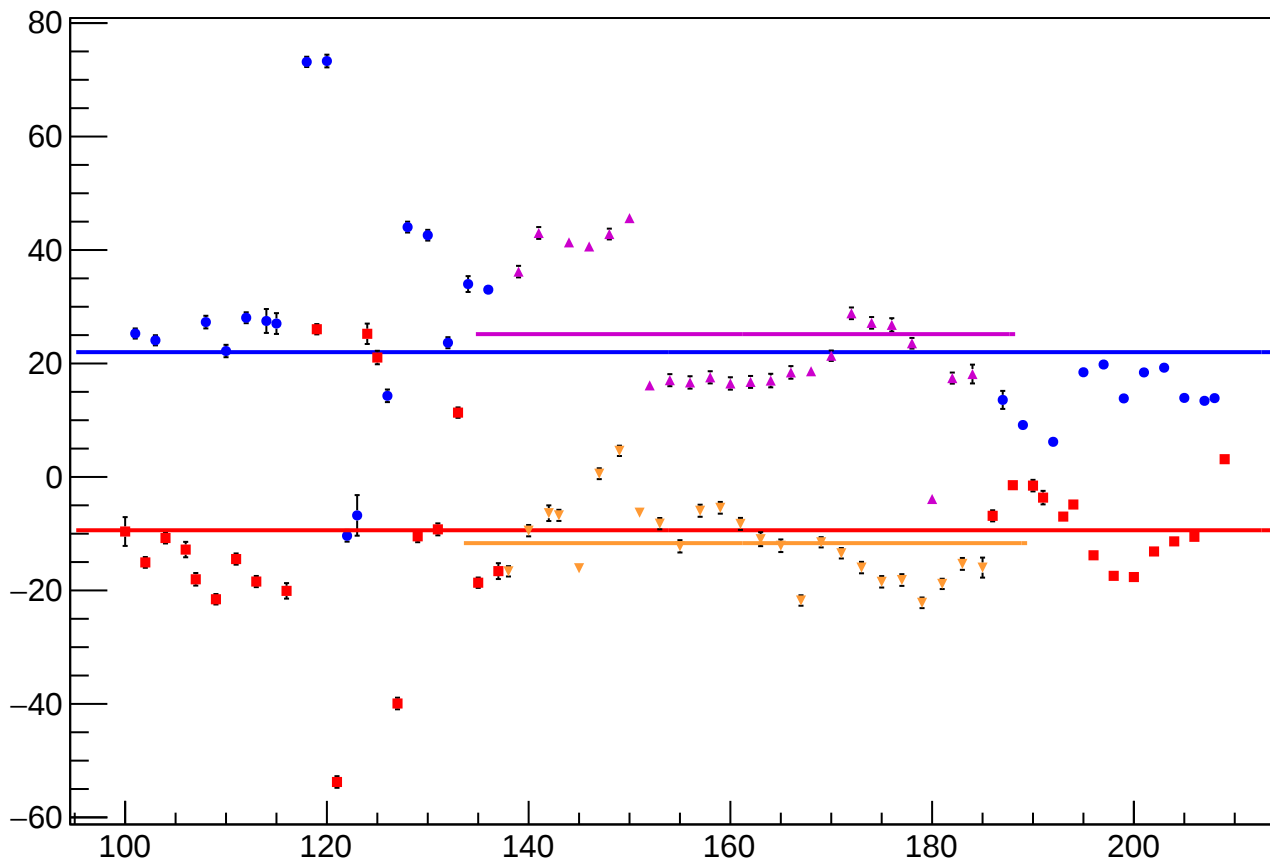
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF:69635.5/22

+ sign 928.150 $\pm$ 0.115 χ^2 /NDF: 944887.1/52

All: 927.356 $\pm$ 0.081 χ^2 /NDF: 1875893.4/107

- sign 926.573 $\pm$ 0.114 χ^2 /NDF: 930911.9/54

diff_bpm1i04Y_mean vs Slug



Right In: 21.999 ± 0.162 $\chi^2/\text{NDF}: 9420.9/27$

Left Out: -11.664 ± 0.200 $\chi^2/\text{NDF}: 1147.4/24$

Right Out: -9.394 ± 0.155 $\chi^2/\text{NDF}: 7655.5/31$

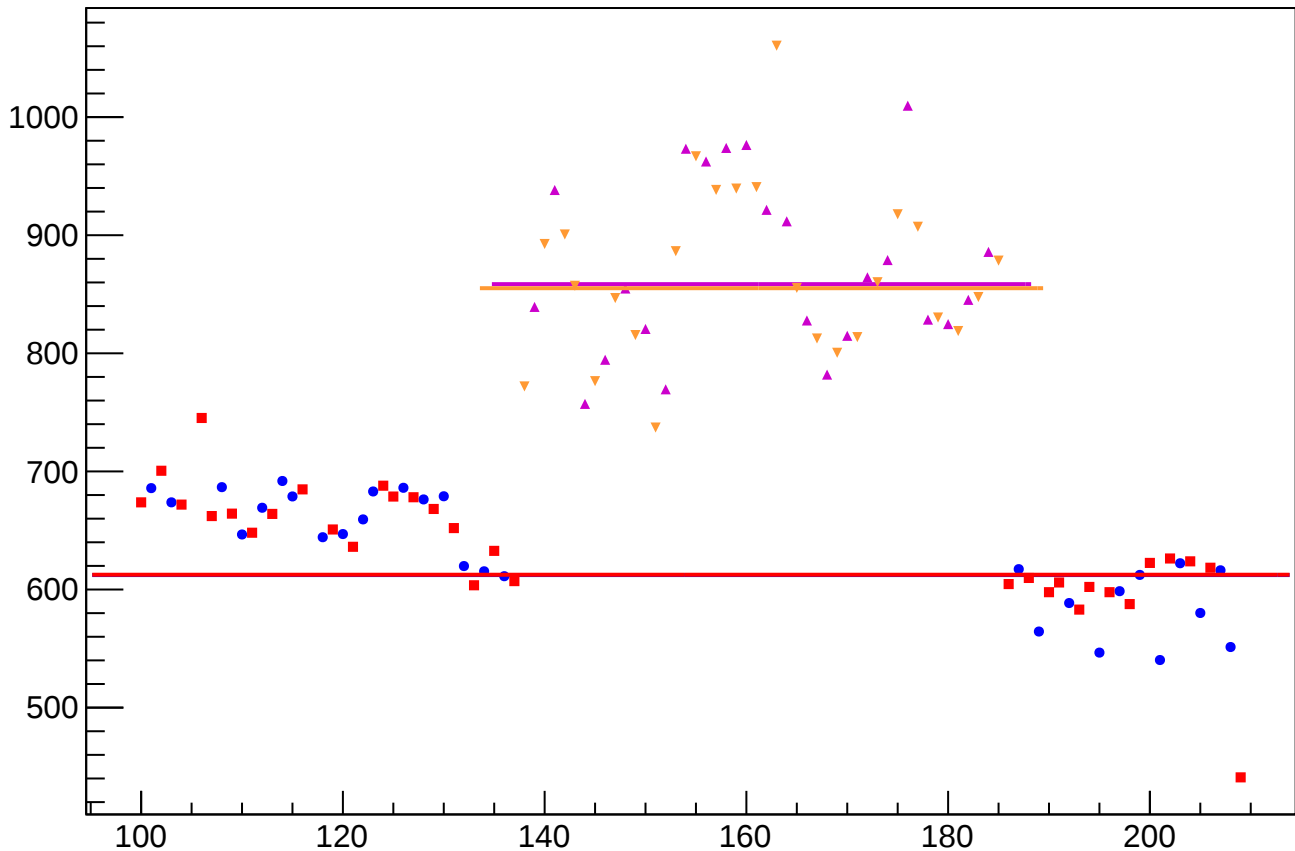
Left In: 25.174 ± 0.207 $\chi^2/\text{NDF}: 3747.1/22$

+ sign 8.706 ± 0.126 $\chi^2/\text{NDF}: 27662.2/52$

All: 5.783 ± 0.088 $\chi^2/\text{NDF}: 57992.0/107$

- sign 2.949 ± 0.124 $\chi^2/\text{NDF}: 29267.5/54$

diff_bpm1i04Y_rms vs Slug



Right In: 612.243+/-0.114 χ^2/NDF : 163829.9/27

Left Out: 855.131+/-0.142 χ^2/NDF : 233746.7/24

Right Out: 612.520+/-0.109 χ^2/NDF : 330407.9/31

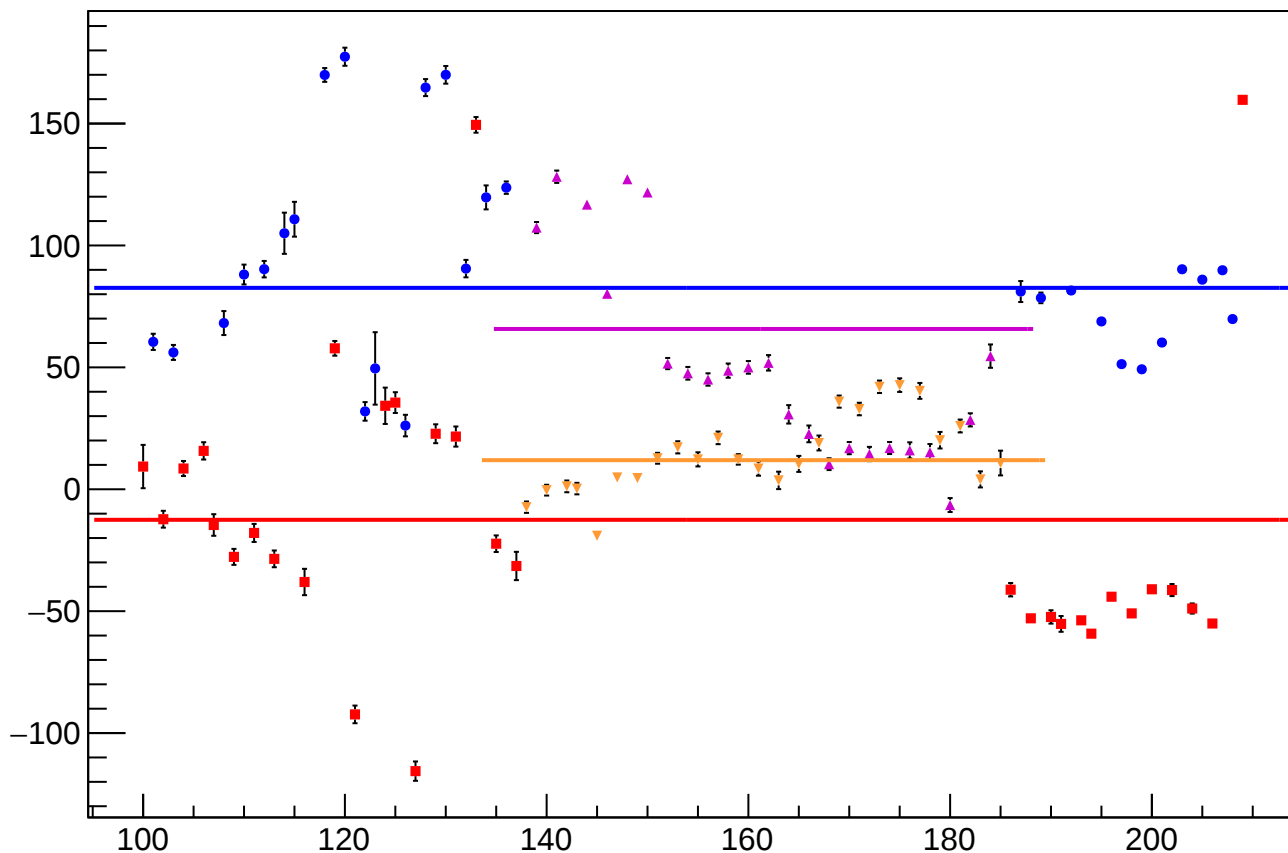
Left In: 858.563+/-0.147 χ^2/NDF : 239019.8/22

+ sign 708.160+/-0.089 χ^2/NDF : 2177412.7/52

All: 704.208+/-0.062 χ^2/NDF : 4560826.8/107

- sign 700.376+/-0.088 χ^2/NDF : 2379530.1/54

diff_bpm1i06X_mean vs Slug



Right In: 82.613 ± 0.493 χ^2/NDF : 4444.7/27

Left Out: 11.938 ± 0.505 χ^2/NDF : 976.6/24

Right Out: -12.526 ± 0.464 χ^2/NDF : 24337.6/31

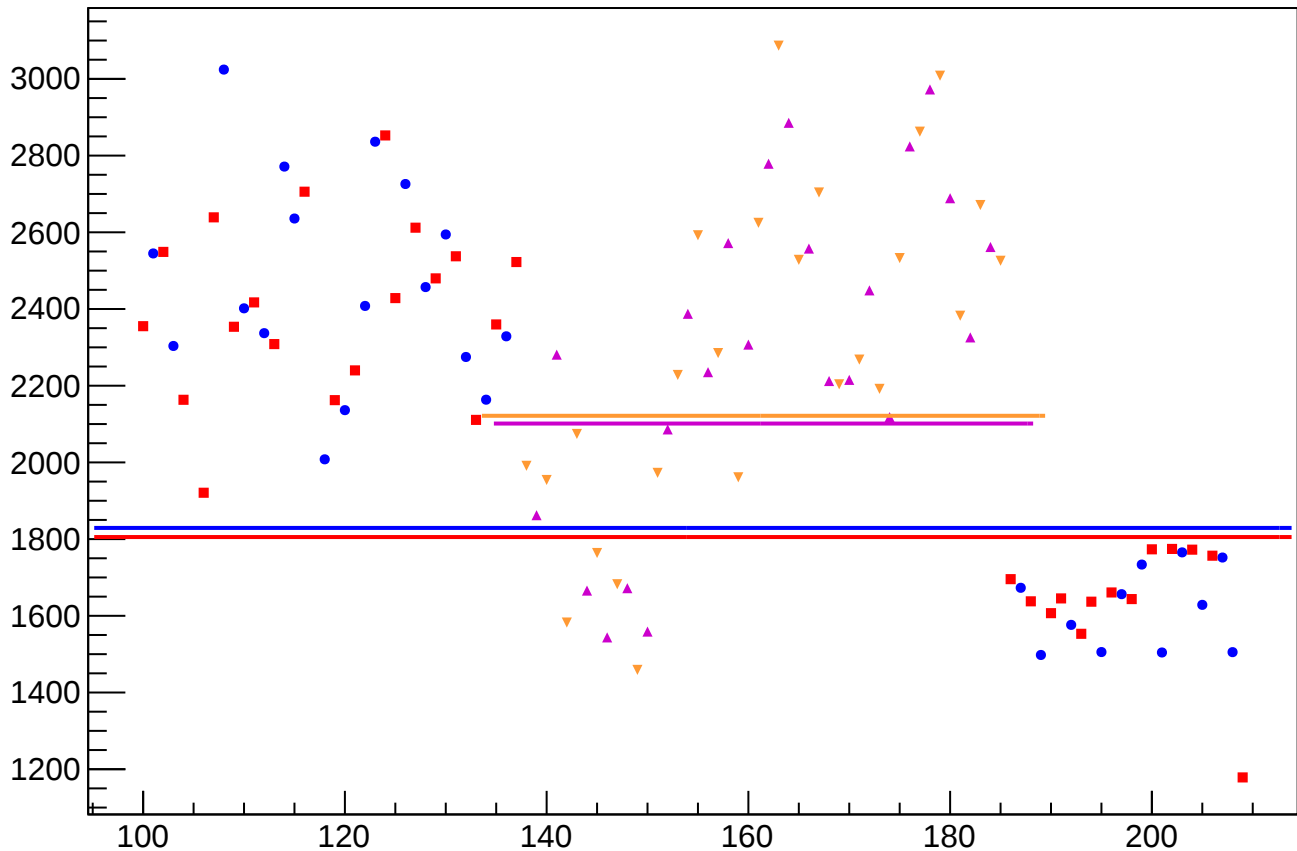
Left In: 65.752 ± 0.518 χ^2/NDF : 7335.8/22

+ sign 48.138 ± 0.353 χ^2/NDF : 15440.9/52

All: 34.978 ± 0.247 χ^2/NDF : 62512.5/107

- sign 22.359 ± 0.346 χ^2/NDF : 44347.9/54

diff_bpm1i06X_rms vs Slug



Right In: 1829.172+/-0.349 χ^2/NDF : 1167044.9/27

Left Out: 2121.567+/-0.357 χ^2/NDF : 1387847.6/24

Right Out: 1805.381+/-0.328 χ^2/NDF : 1387791.2/31

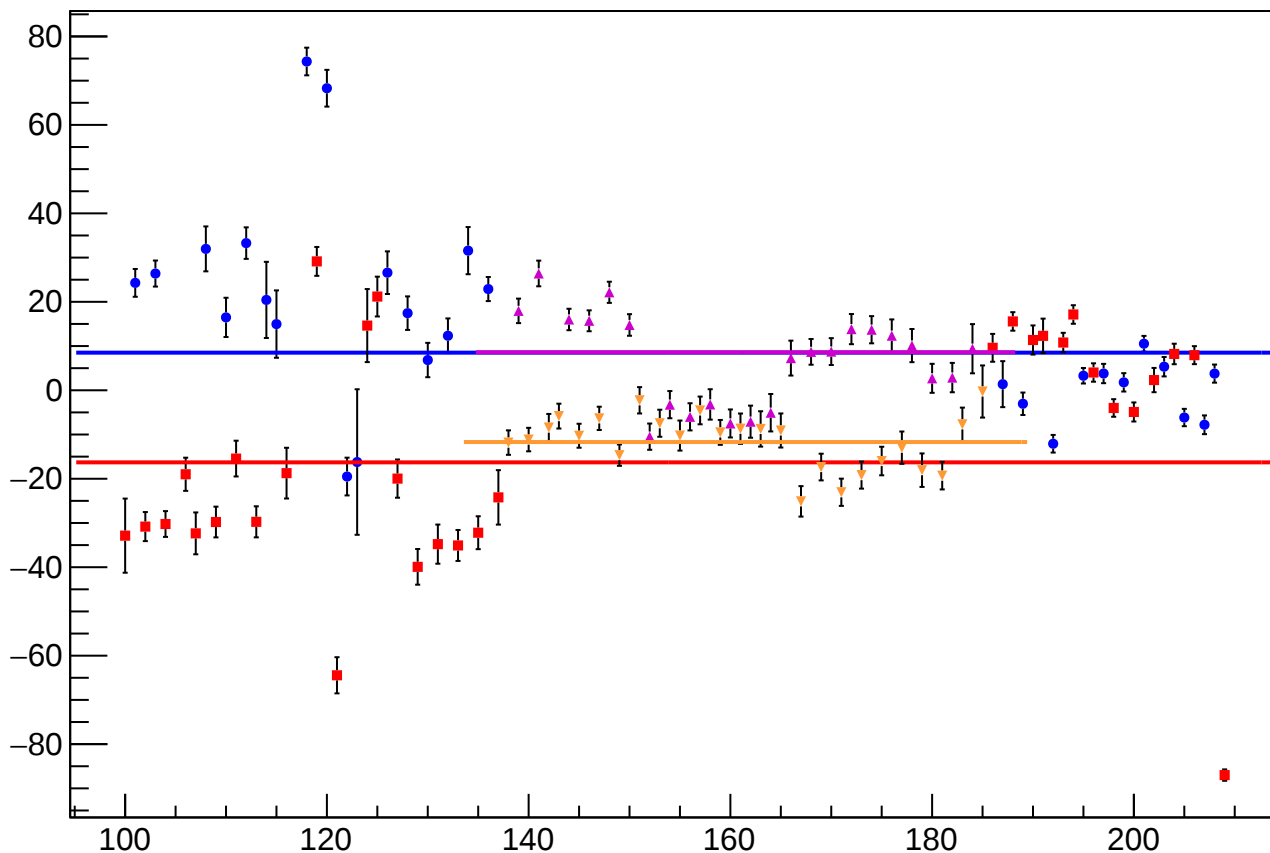
Left In: 2101.325+/-0.366 χ^2/NDF : 1360518.3/22

+ sign 1971.800+/-0.250 χ^2/NDF : 2897885.8/52

All: 1954.173+/-0.175 χ^2/NDF : 6018296.2/10

- sign 1937.271+/-0.244 χ^2/NDF : 3110637.3/54

diff_bpm1i06Y_mean vs Slug



Right In: 8.508 ± 0.534 χ^2/NDF : 1177.9/27

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -16.295 ± 0.503 χ^2/NDF : 4907.6/31

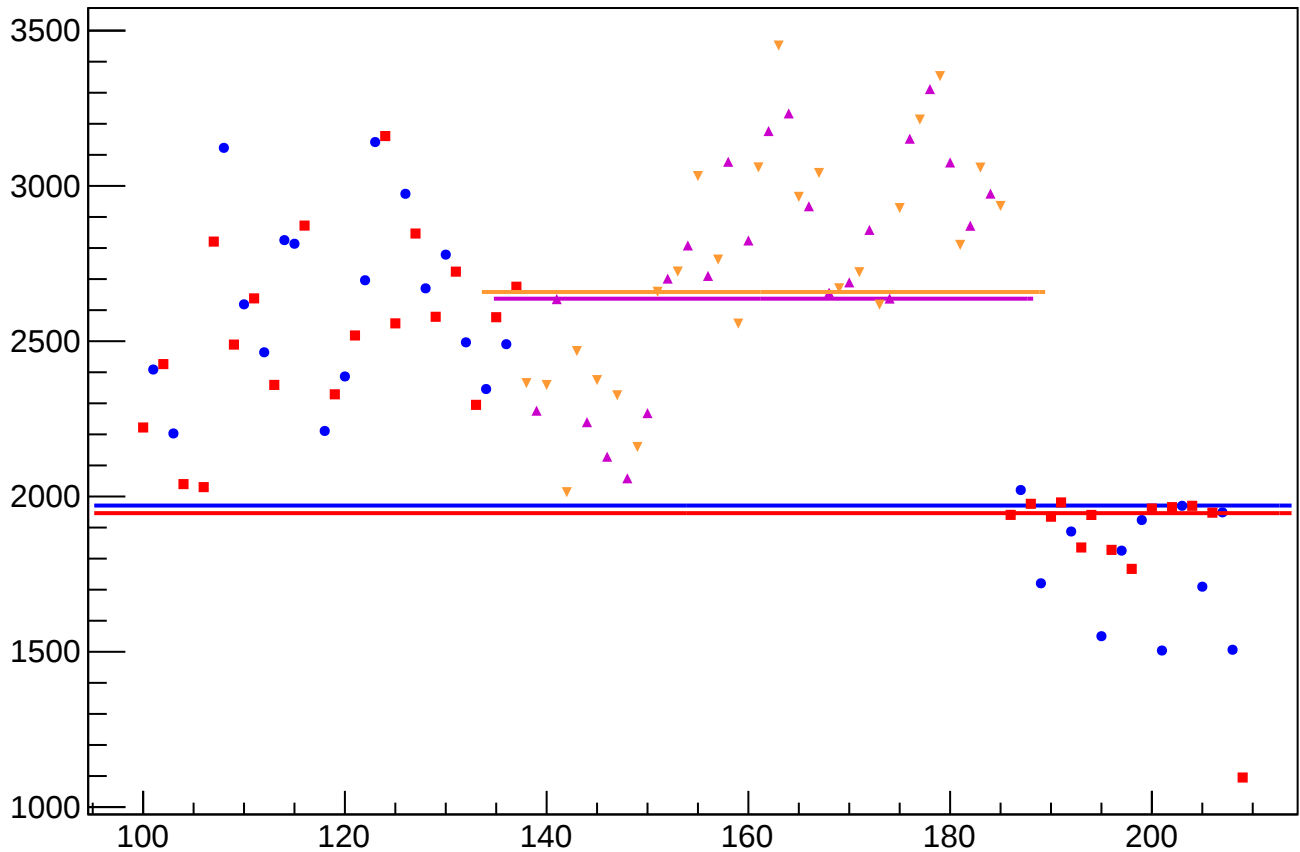
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.009 ± 0.406 χ^2/NDF : 1866.8/52

All: -3.494 ± 0.284 χ^2/NDF : 8114.0/107

- sign -6.811 ± 0.396 χ^2/NDF : 6103.4/54

diff_bpm1i06Y_rms vs Slug



Right In: 1970.839 $\pm$ 0.377 χ^2 /NDF: 1165720.8/27

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 1946.409 $\pm$ 0.356 χ^2 /NDF: 1654369.0/31

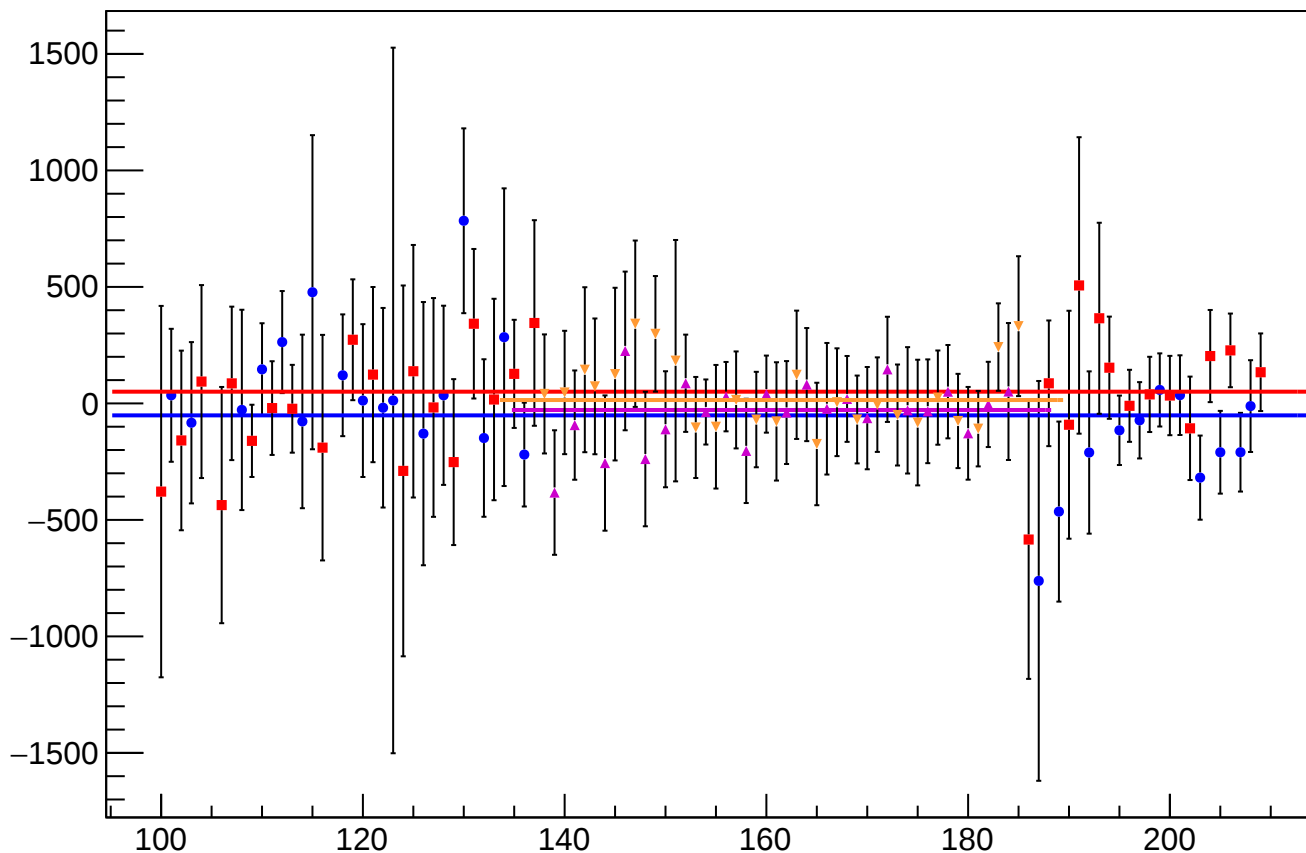
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2260.674 $\pm$ 0.287 χ^2 /NDF: 3182464.9/52

All: 2234.394 $\pm$ 0.201 χ^2 /NDF: 6938763.7/10

- sign 2209.378 $\pm$ 0.280 χ^2 /NDF: 3739946.1/54

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -51.361 ± 46.836 χ^2/NDF : 16.6/27

Left Out: 14.520 ± 47.528 χ^2/NDF : 7.8/24

Right Out: 50.341 ± 45.144 χ^2/NDF : 12.3/31

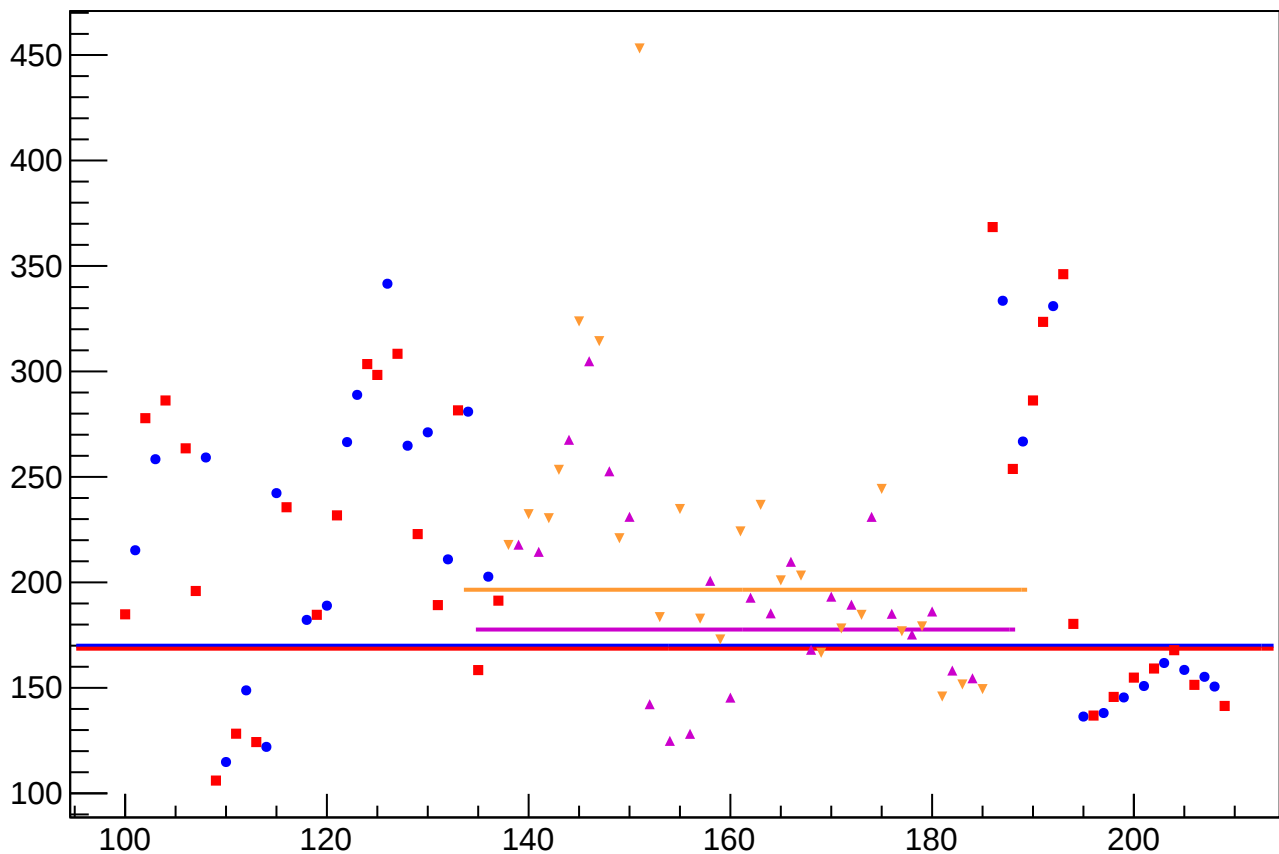
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign -18.904 ± 33.360 χ^2/NDF : 25.3/52

All: -3.433 ± 22.996 χ^2/NDF : 45.9/107

- sign 10.573 ± 31.741 χ^2/NDF : 20.2/54

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.983+/-0.033 χ^2/NDF : 2114957.1/27

Left Out: 196.514+/-0.034 χ^2/NDF : 1789504.4/24

Right Out: 168.574+/-0.032 χ^2/NDF : 2831056.8/31

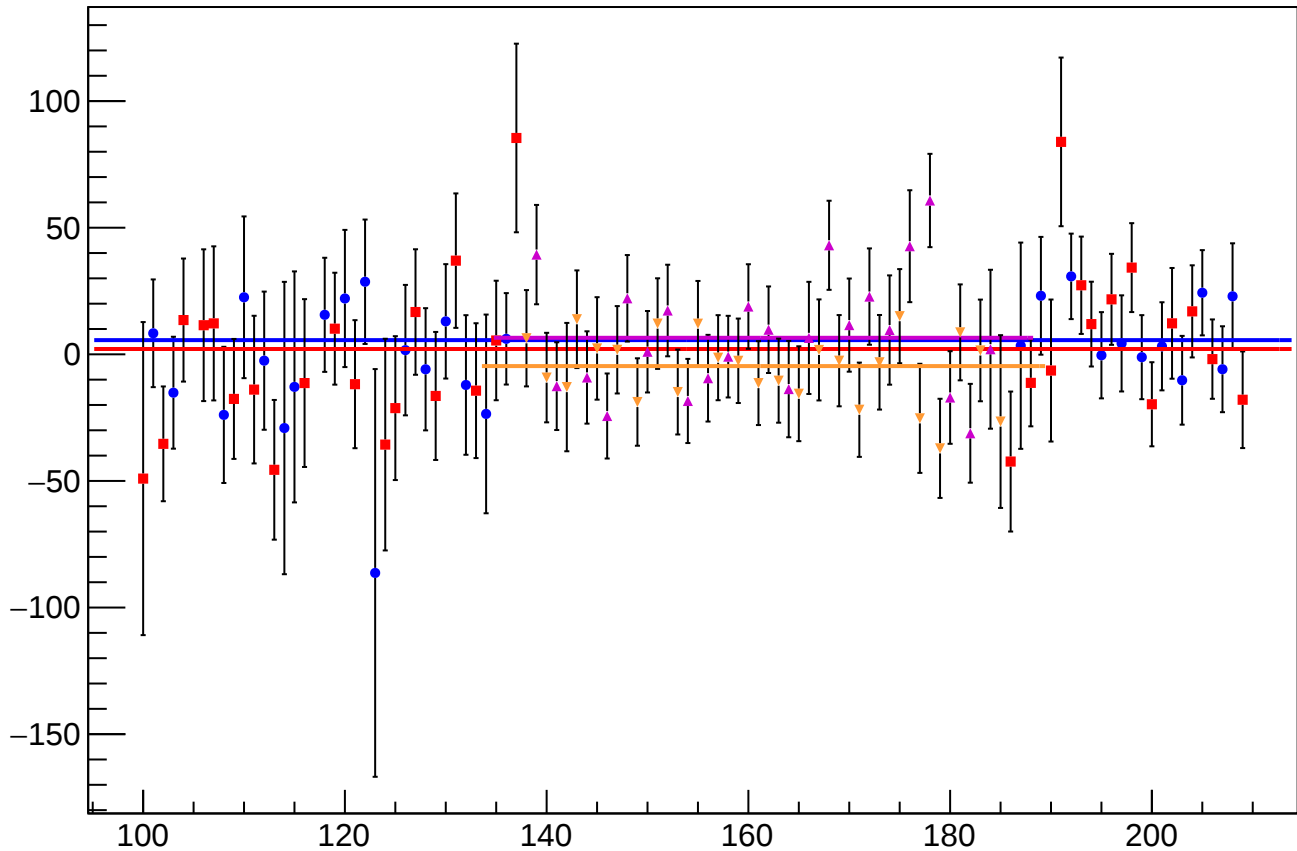
Left In: 177.643+/-0.032 χ^2/NDF : 1630664.5/22

+ sign 183.054+/-0.024 χ^2/NDF : 4220650.4/52

All: 177.861+/-0.016 χ^2/NDF : 8815523.8/107

- sign 173.159+/-0.022 χ^2/NDF : 4502538.4/54

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.606 ± 4.234 χ^2/NDF : 13.4/27

Left Out: -4.646 ± 3.728 χ^2/NDF : 12.1/24

Right Out: 2.103 ± 4.072 χ^2/NDF : 37.6/31

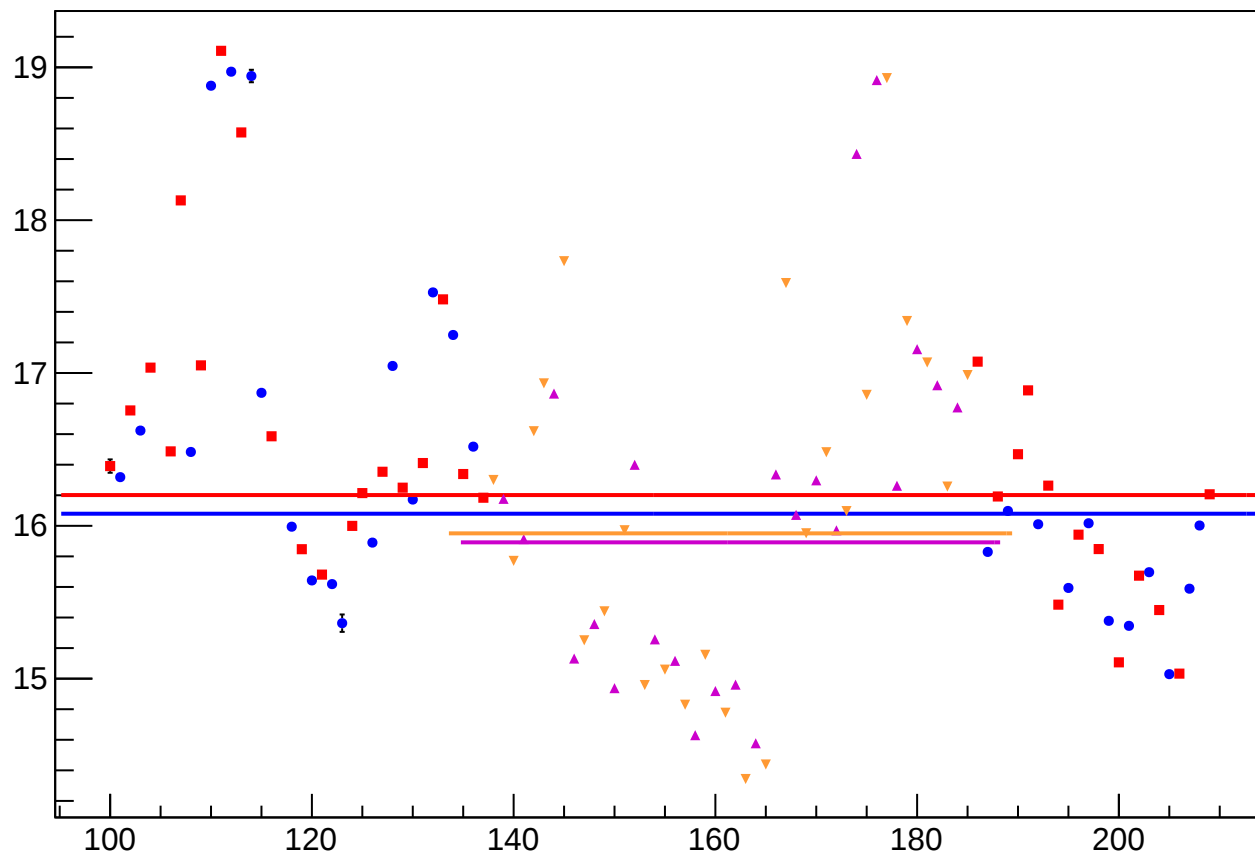
Left In: 6.526 ± 3.828 χ^2/NDF : 36.4/22

+ sign -0.169 ± 2.798 χ^2/NDF : 28.7/52

All: 2.149 ± 1.975 χ^2/NDF : 104.8/107

- sign 4.452 ± 2.789 χ^2/NDF : 74.7/54

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.079 $\pm$ 0.003 χ^2 /NDF: 77866.7/27

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF: 173458.5/24

Right Out: 16.201 $\pm$ 0.003 χ^2 /NDF: 87945.1/31

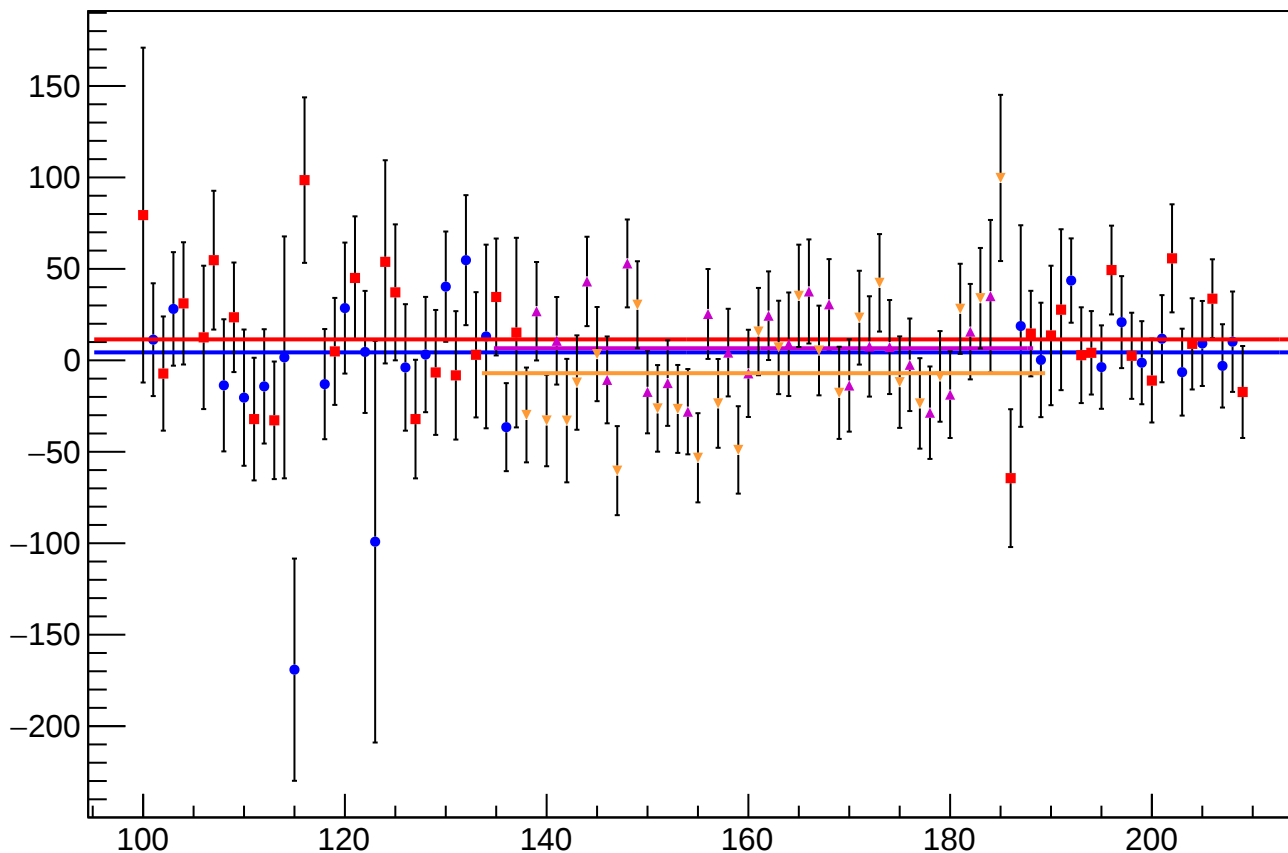
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF: 147093.3/22

+ sign 16.007 $\pm$ 0.002 χ^2 /NDF: 252362.9/52

All: 16.022 $\pm$ 0.001 χ^2 /NDF: 493649.2/107

- sign 16.037 $\pm$ 0.002 χ^2 /NDF: 241169.5/54

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.352 ± 5.667 χ^2/NDF : 22.0/27

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 11.462 ± 5.441 χ^2/NDF : 27.7/31

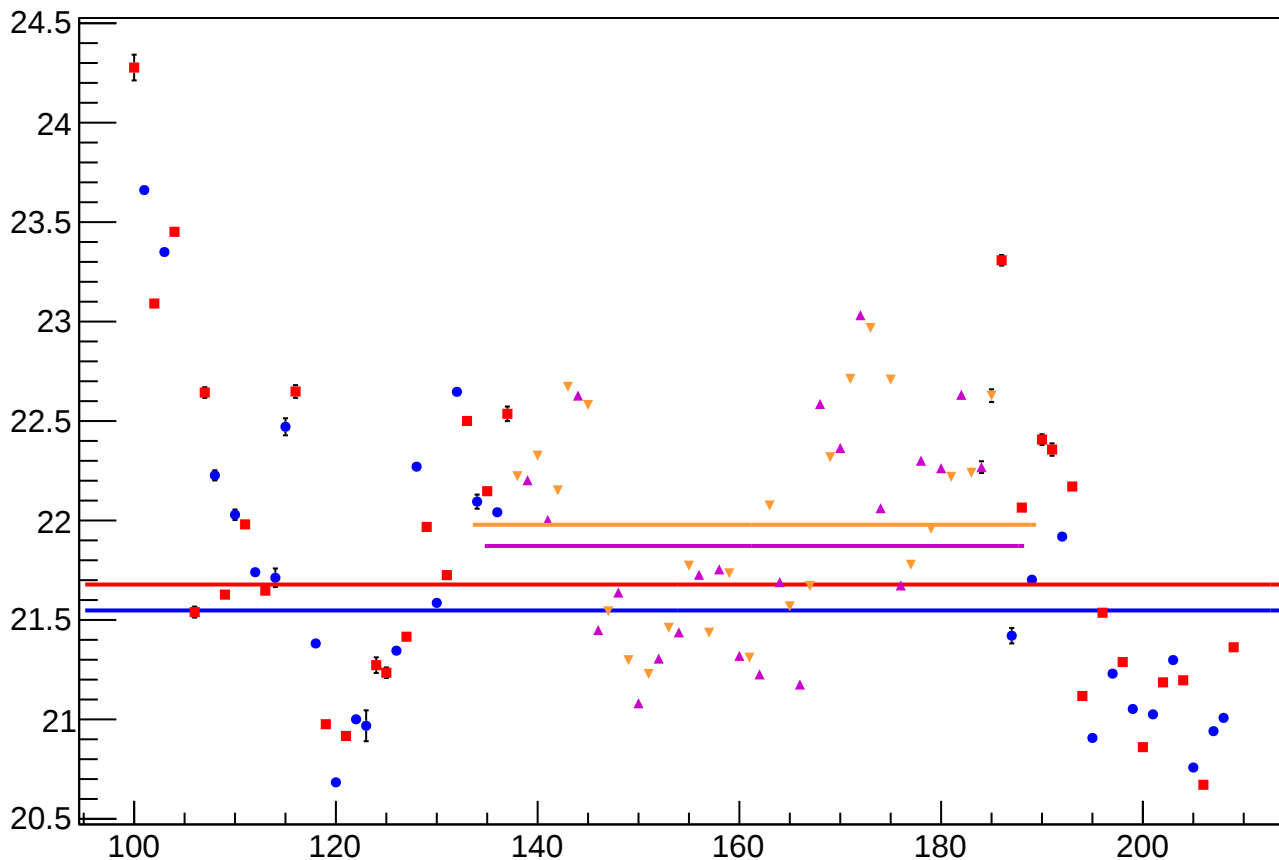
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -1.907 ± 3.800 χ^2/NDF : 61.7/52

All: 3.553 ± 2.679 χ^2/NDF : 113.0/107

- sign 8.951 ± 3.778 χ^2/NDF : 47.3/54

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.548 $\pm$ 0.004 χ^2 /NDF: 32776.2/27

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF: 19430.2/24

Right Out: 21.678 $\pm$ 0.004 χ^2 /NDF: 35279.3/31

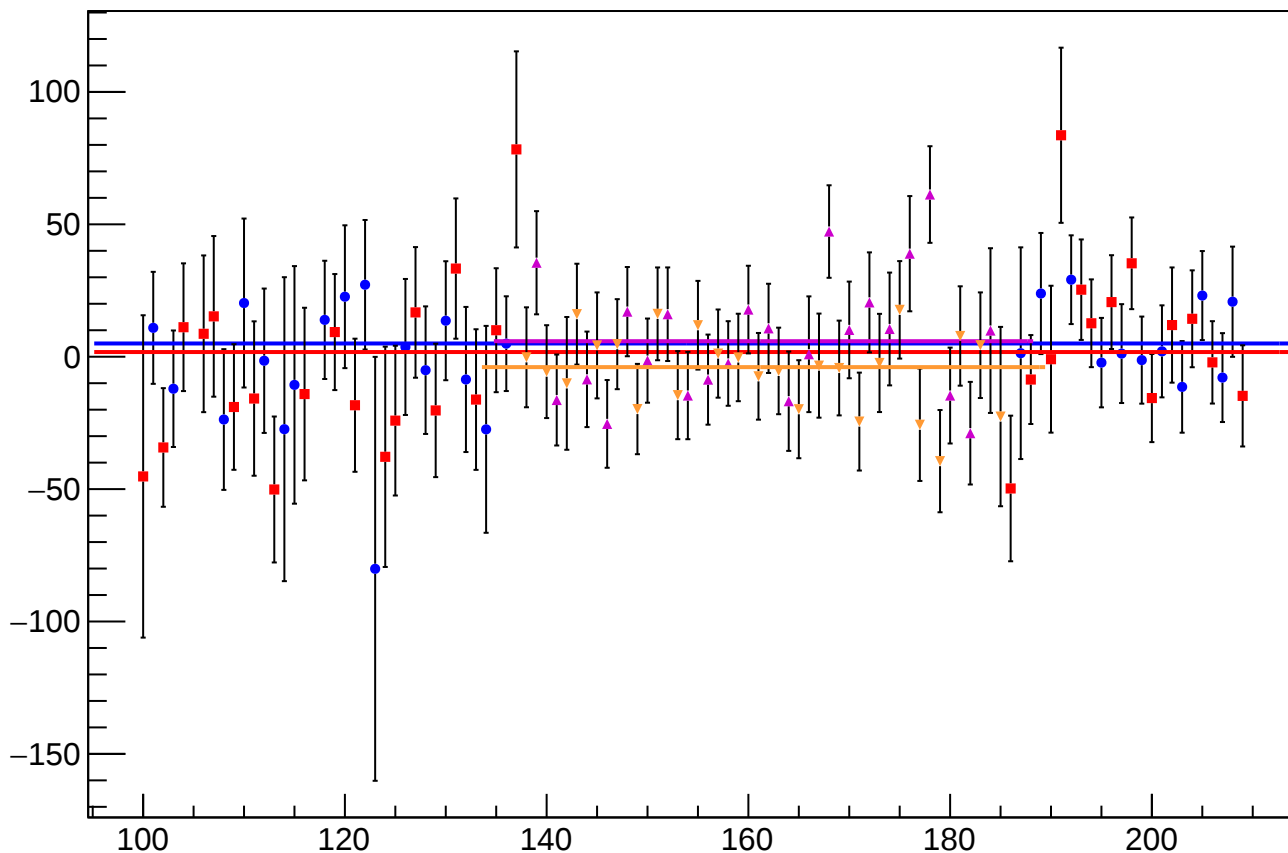
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF: 20524.9/22

+ sign 21.785 $\pm$ 0.003 χ^2 /NDF: 58564.4/52

All: 21.782 $\pm$ 0.002 χ^2 /NDF: 115683.5/107

- sign 21.778 $\pm$ 0.003 χ^2 /NDF: 57116.3/54

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.002 ± 4.203 χ^2/NDF : 12.8/27

Left Out: -3.927 ± 3.688 χ^2/NDF : 14.0/24

Right Out: 1.769 ± 4.044 χ^2/NDF : 37.9/31

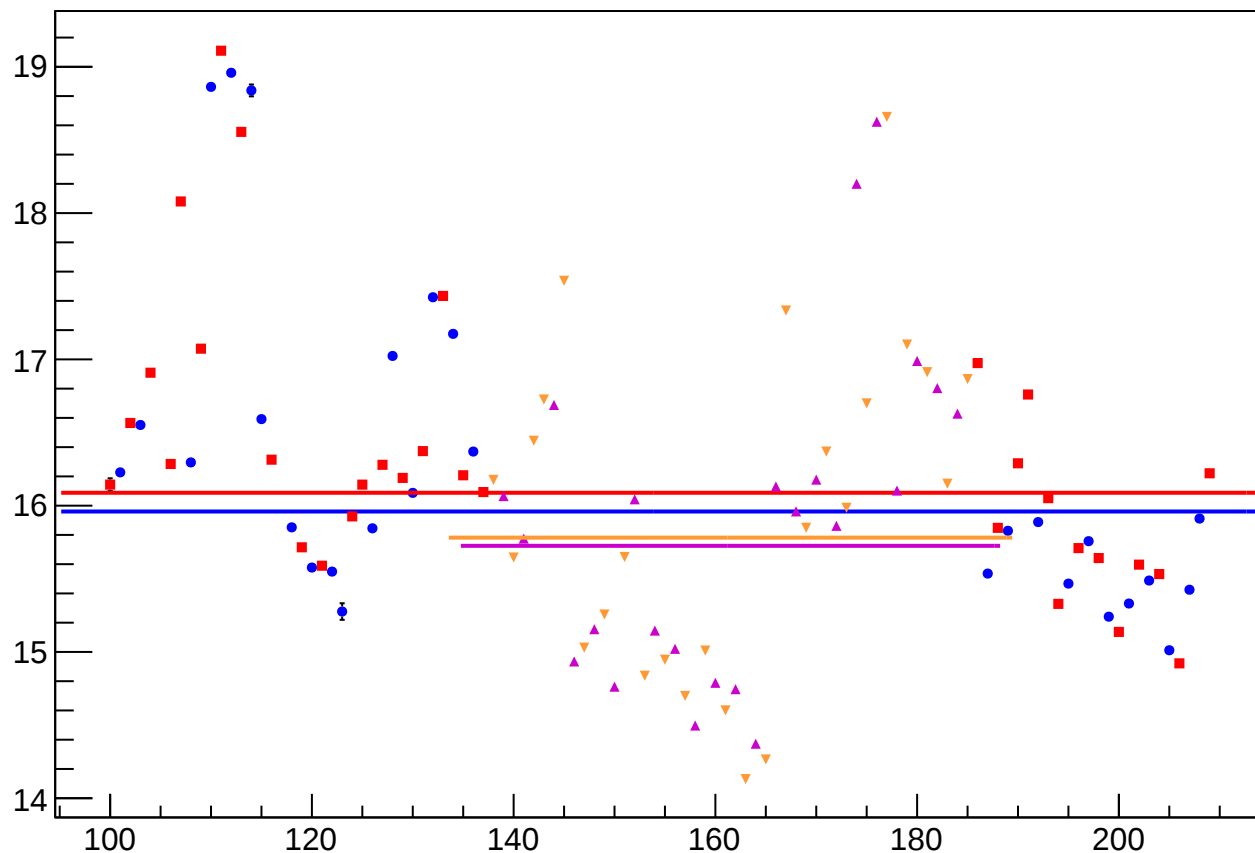
Left In: 5.861 ± 3.787 χ^2/NDF : 36.2/22

+ sign -0.043 ± 2.772 χ^2/NDF : 29.3/52

All: 1.959 ± 1.957 χ^2/NDF : 104.9/107

- sign 3.949 ± 2.764 χ^2/NDF : 74.6/54

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.960 $\pm$ 0.003 χ^2 /NDF: 80741.8/27

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF:172894.3/24

Right Out: 16.088 $\pm$ 0.003 χ^2 /NDF: 90573.4/31

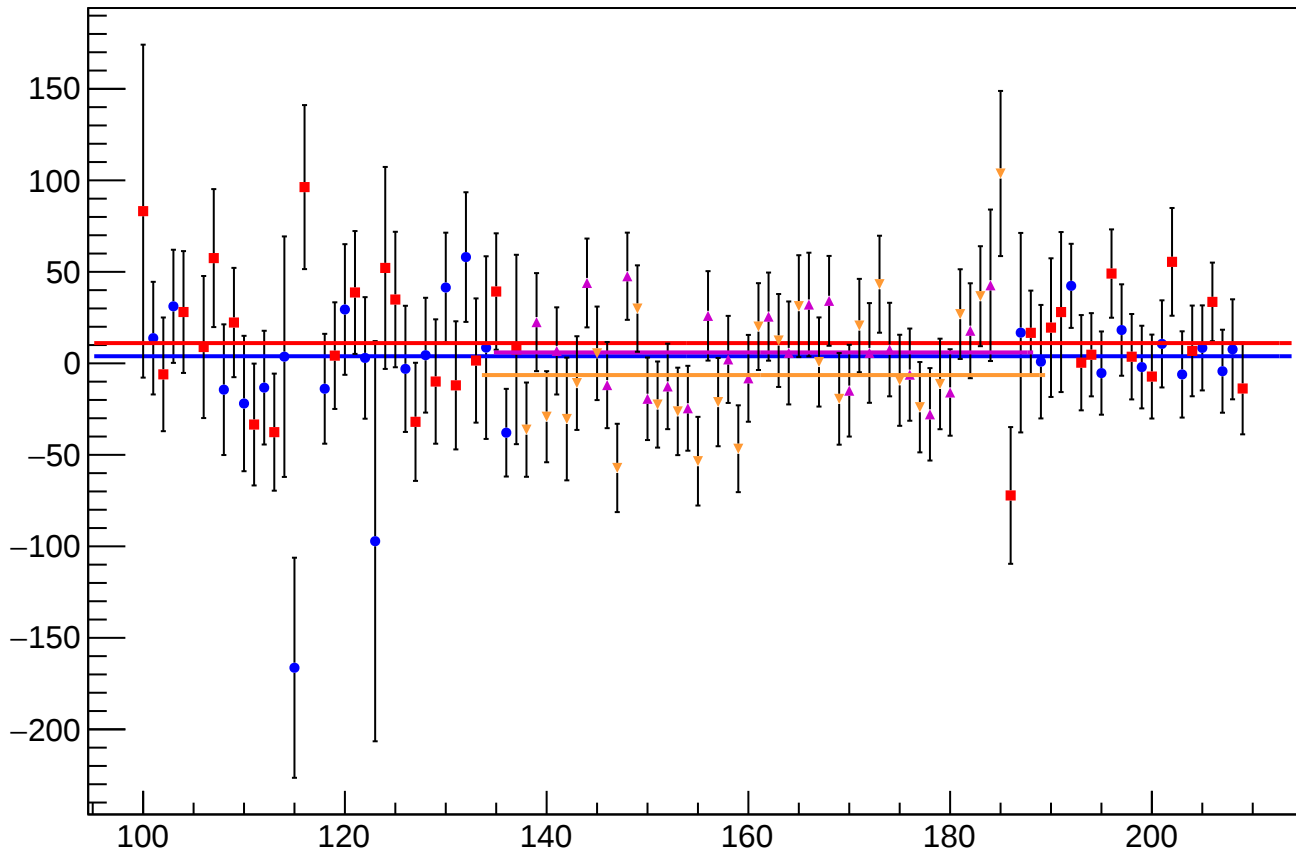
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF:145830.9/22

+ sign 15.859 $\pm$ 0.002 χ^2 /NDF: 255679.8/52

All: 15.877 $\pm$ 0.001 χ^2 /NDF: 500826.1/107

- sign 15.895 $\pm$ 0.002 χ^2 /NDF: 244978.7/54

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.887 ± 5.641 χ^2/NDF : 22.5/27

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 11.070 ± 5.412 χ^2/NDF : 28.8/31

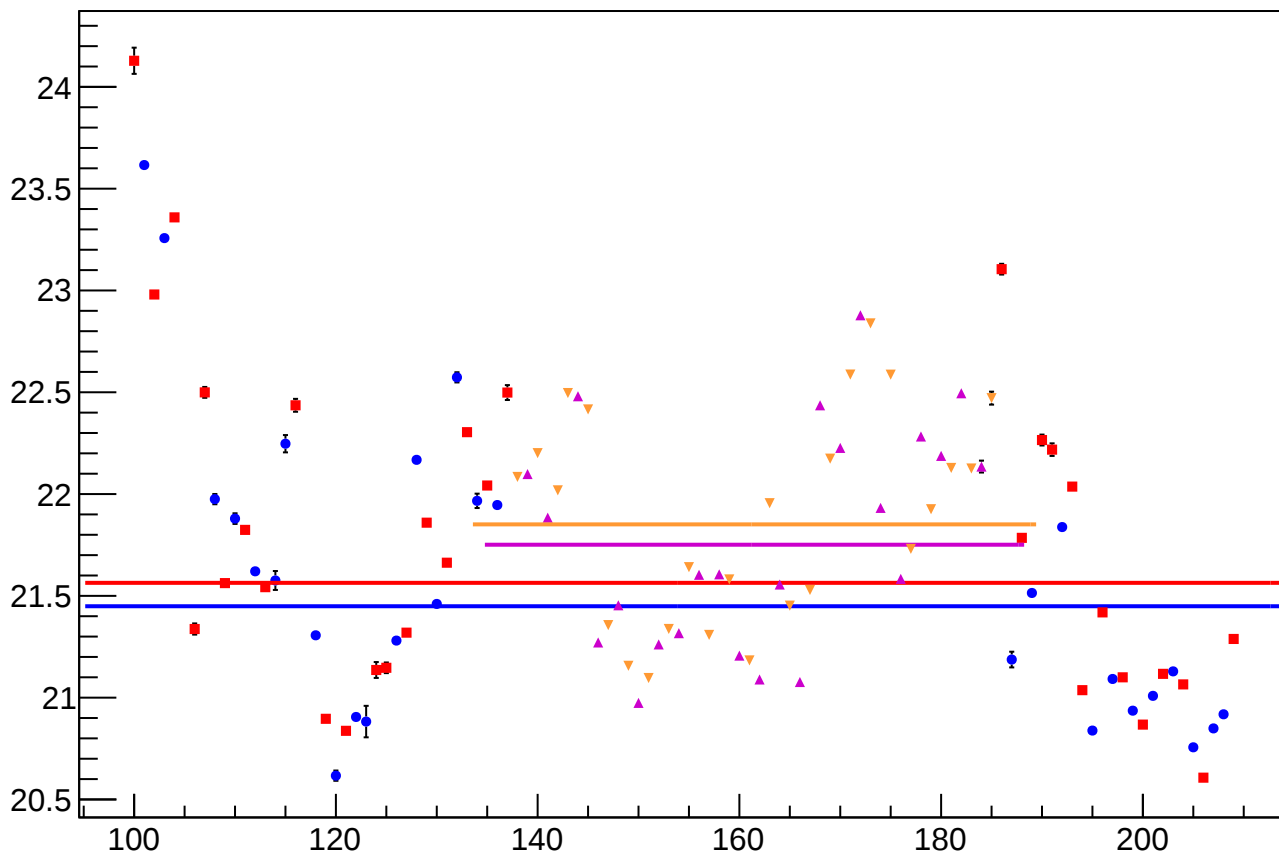
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -1.784 ± 3.780 χ^2/NDF : 61.8/52

All: 3.354 ± 2.665 χ^2/NDF : 113.2/107

- sign 8.433 ± 3.758 χ^2/NDF : 47.8/54

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.449 $\pm$ 0.004 χ^2 /NDF: 32293.9/27

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF: 19631.8/24

Right Out: 21.564 $\pm$ 0.004 χ^2 /NDF: 33087.7/31

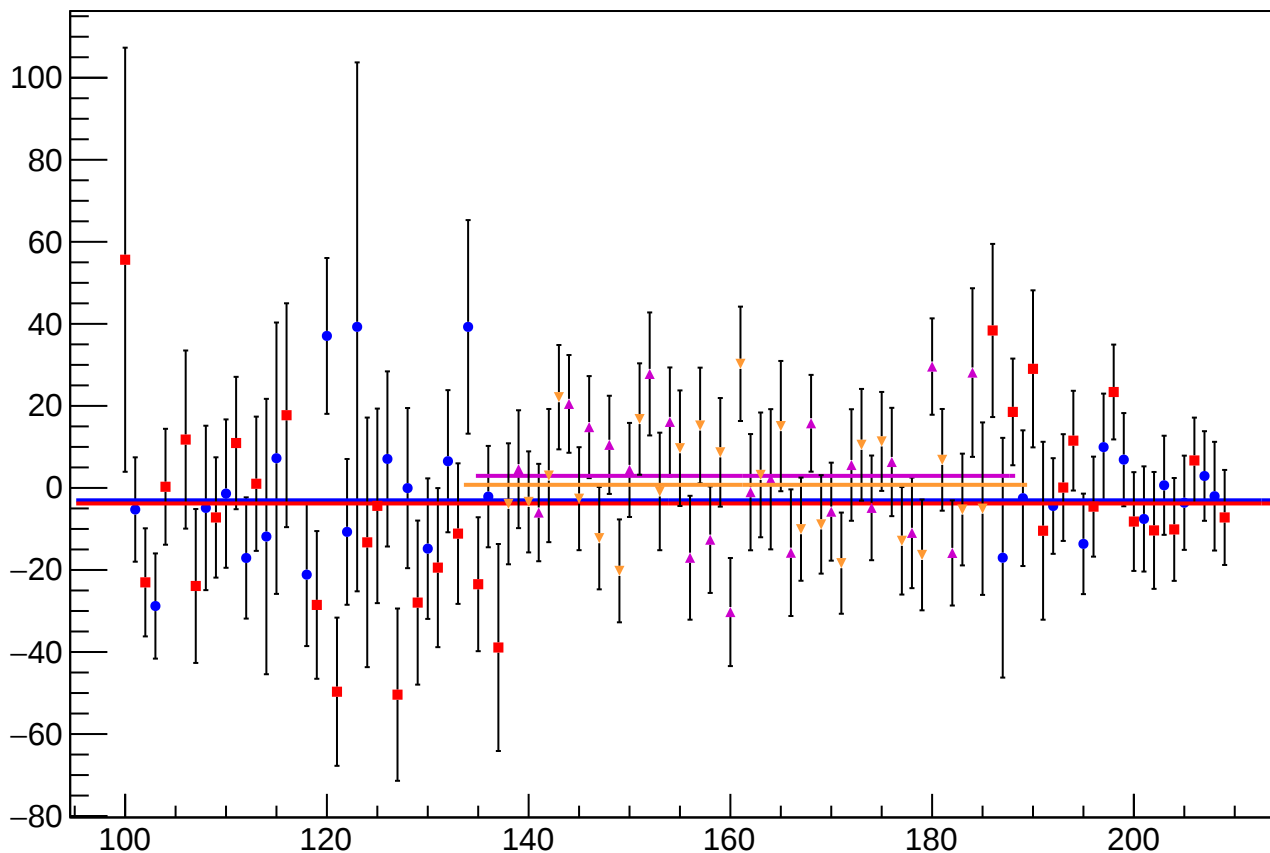
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF: 20516.3/22

+ sign 21.671 $\pm$ 0.003 χ^2 /NDF: 57525.8/52

All: 21.666 $\pm$ 0.002 χ^2 /NDF: 112376.1/107

- sign 21.661 $\pm$ 0.003 χ^2 /NDF: 54843.7/54

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.020 ± 2.883 χ^2/NDF : 18.2/27

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: -3.789 ± 2.778 χ^2/NDF : 44.7/31

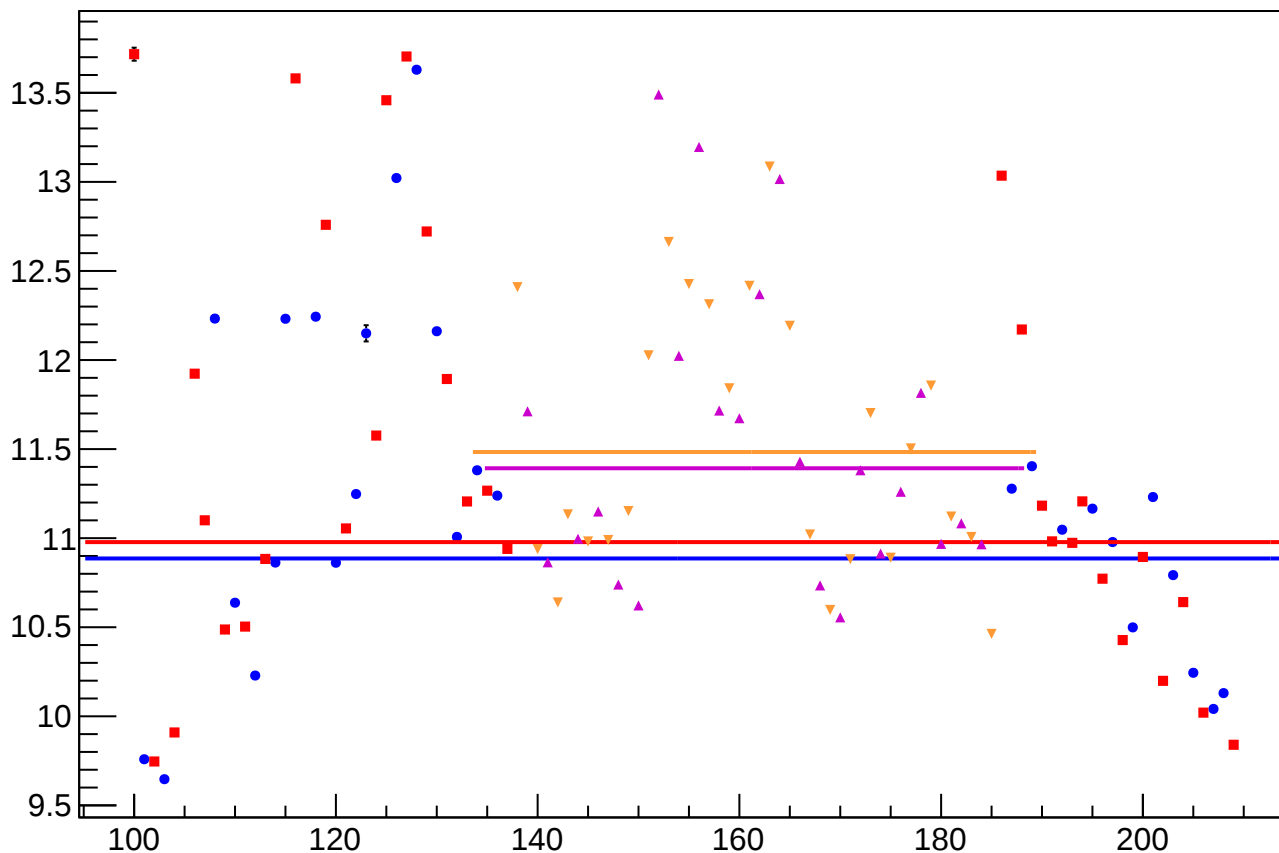
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -1.005 ± 1.970 χ^2/NDF : 43.0/52

All: -0.699 ± 1.388 χ^2/NDF : 121.6/107

- sign -0.397 ± 1.957 χ^2/NDF : 78.6/54

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.886 $\pm$ 0.002 χ^2 /NDF: 170288.1/27

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 10.978 $\pm$ 0.002 χ^2 /NDF: 242724.7/31

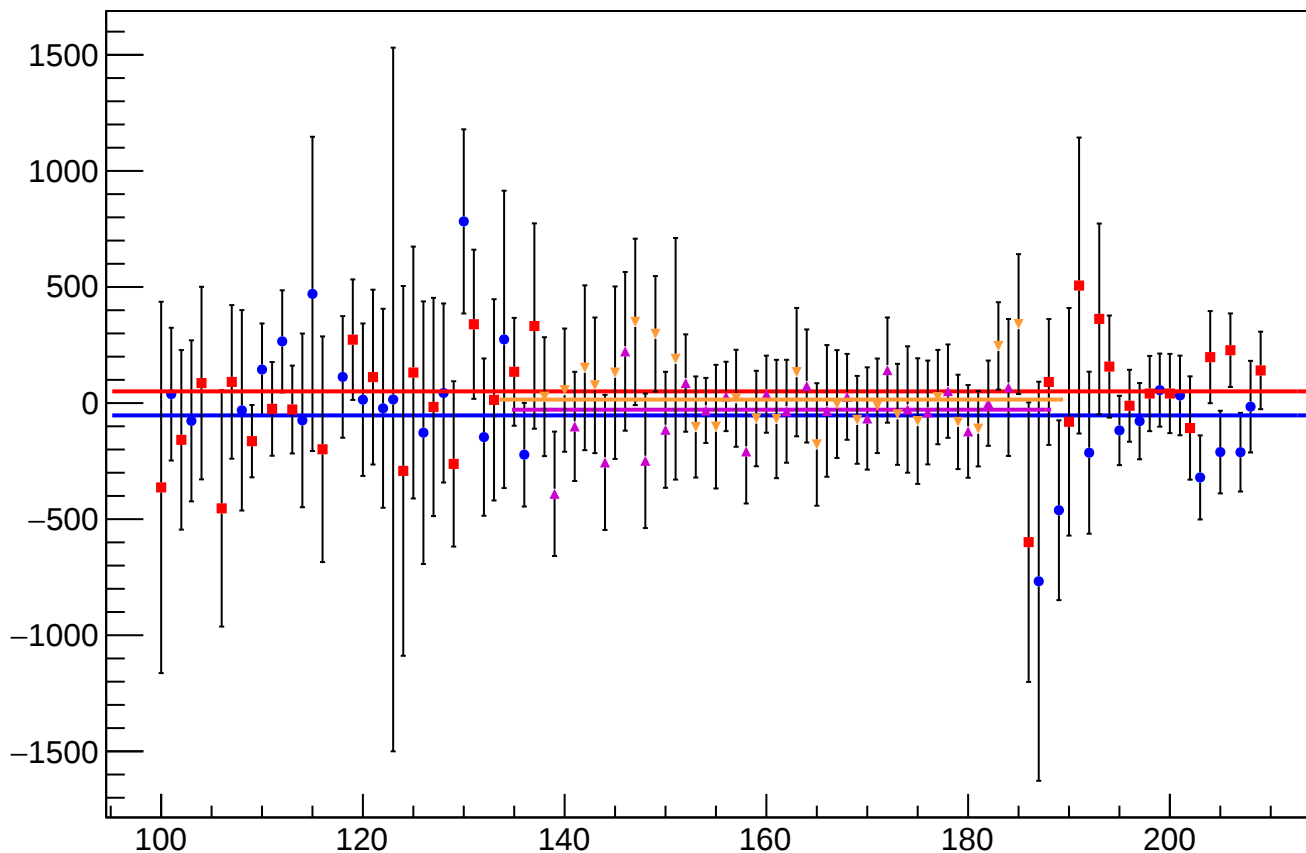
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.205 $\pm$ 0.001 χ^2 /NDF: 345916.1/52

All: 11.196 $\pm$ 0.001 χ^2 /NDF: 761641.4/107

- sign 11.187 $\pm$ 0.001 χ^2 /NDF: 415642.1/54

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -53.087 ± 46.954 χ^2/NDF : 16.5/27

Left Out: 15.130 ± 47.705 χ^2/NDF : 8.0/24

Right Out: 50.398 ± 45.264 χ^2/NDF : 12.5/31

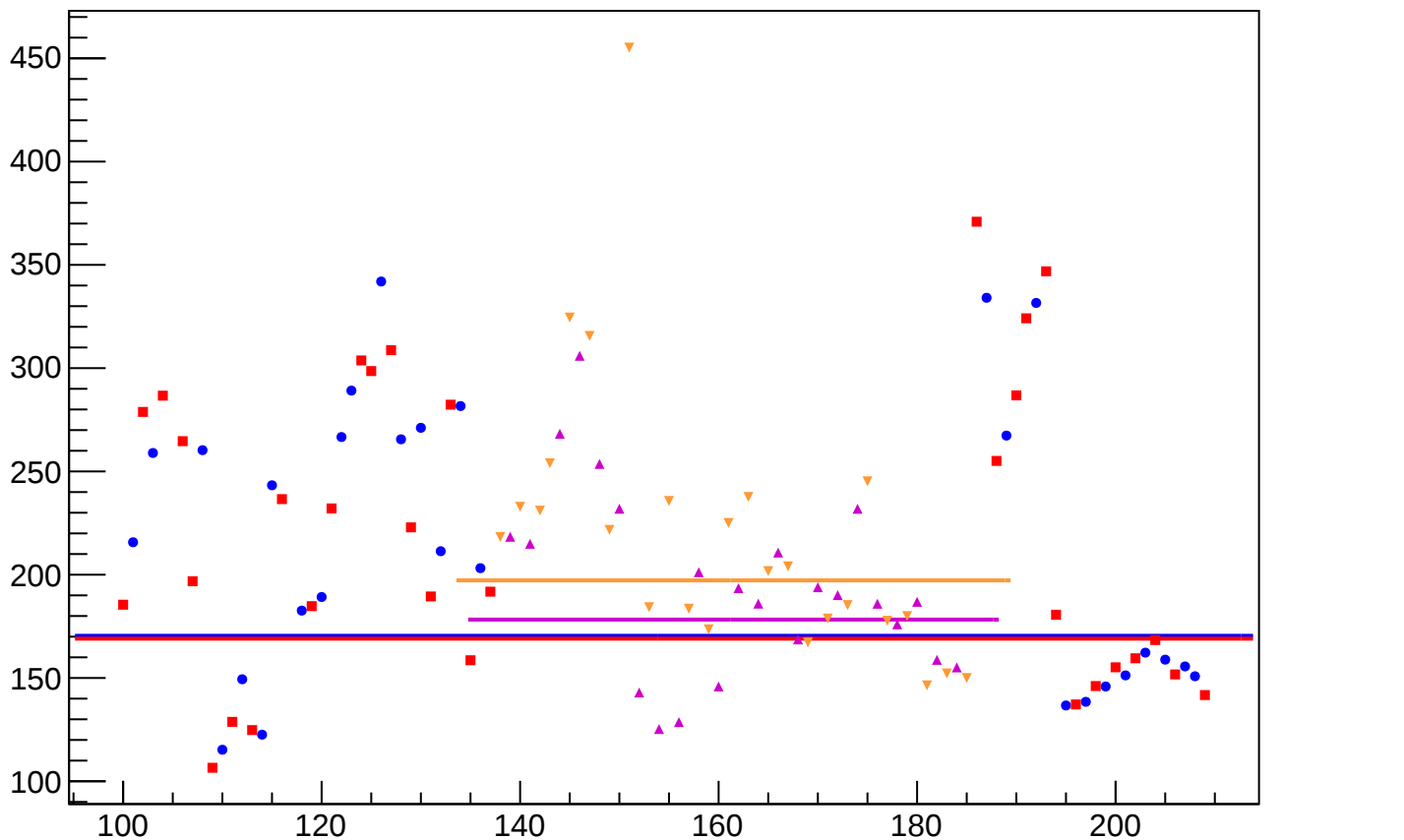
Left In: -28.500 ± 44.797 χ^2/NDF : 6.4/22

+ sign -19.520 ± 33.464 χ^2/NDF : 25.6/52

All: -3.743 ± 23.067 χ^2/NDF : 46.4/107

- sign 10.539 ± 31.840 χ^2/NDF : 20.4/54

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 170.424 $\pm$ 0.033 χ^2 /NDF: 2110223.8/27

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF:1786808.1/24

Right Out: 169.033 $\pm$ 0.032 χ^2 /NDF: 2827760.5/31

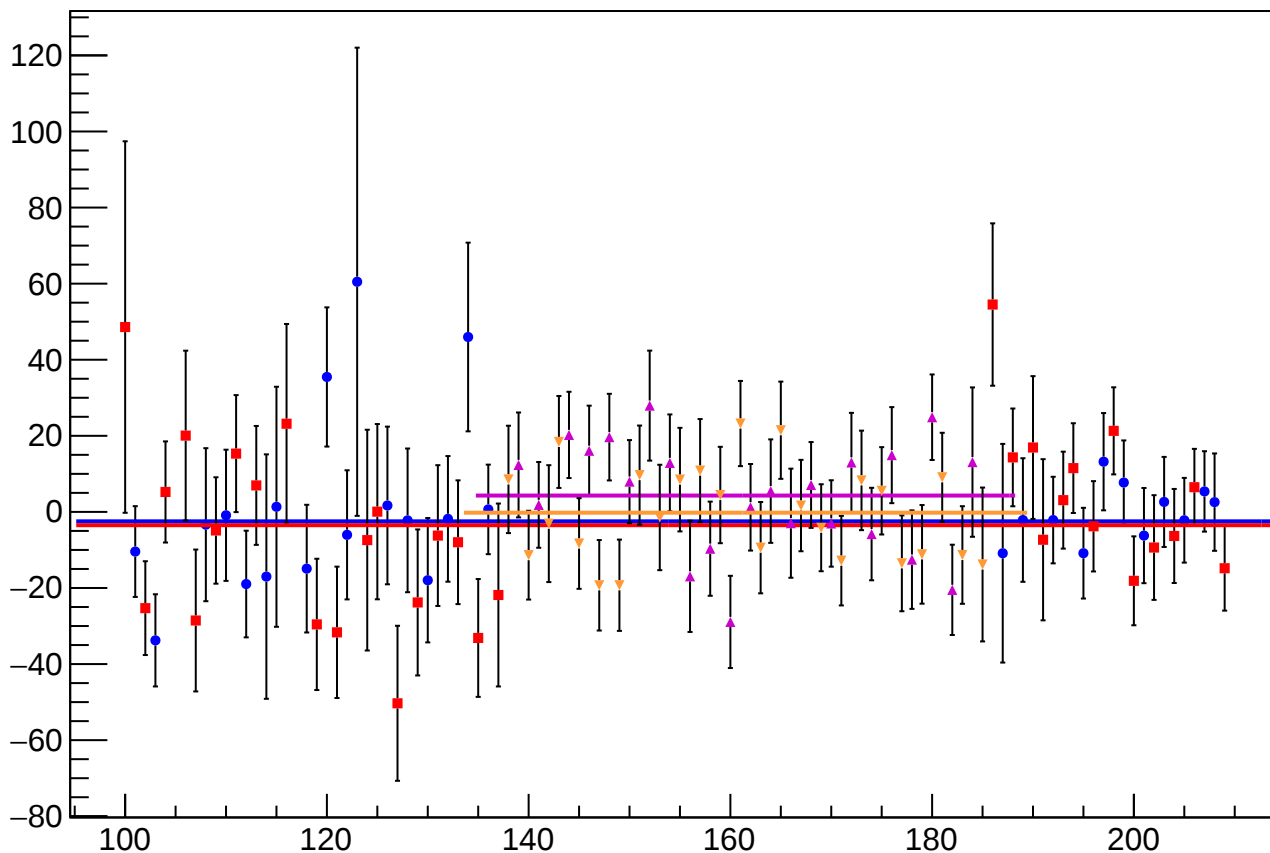
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF:1628916.6/22

+ sign 183.624 $\pm$ 0.024 χ^2 /NDF: 4218240.5/52

All: 178.417 $\pm$ 0.016 χ^2 /NDF: 8809316.6/107

- sign 173.703 $\pm$ 0.023 χ^2 /NDF: 4498814.7/54

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -2.481 ± 2.783 χ^2/NDF : 23.4/27

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -3.494 ± 2.688 χ^2/NDF : 47.2/31

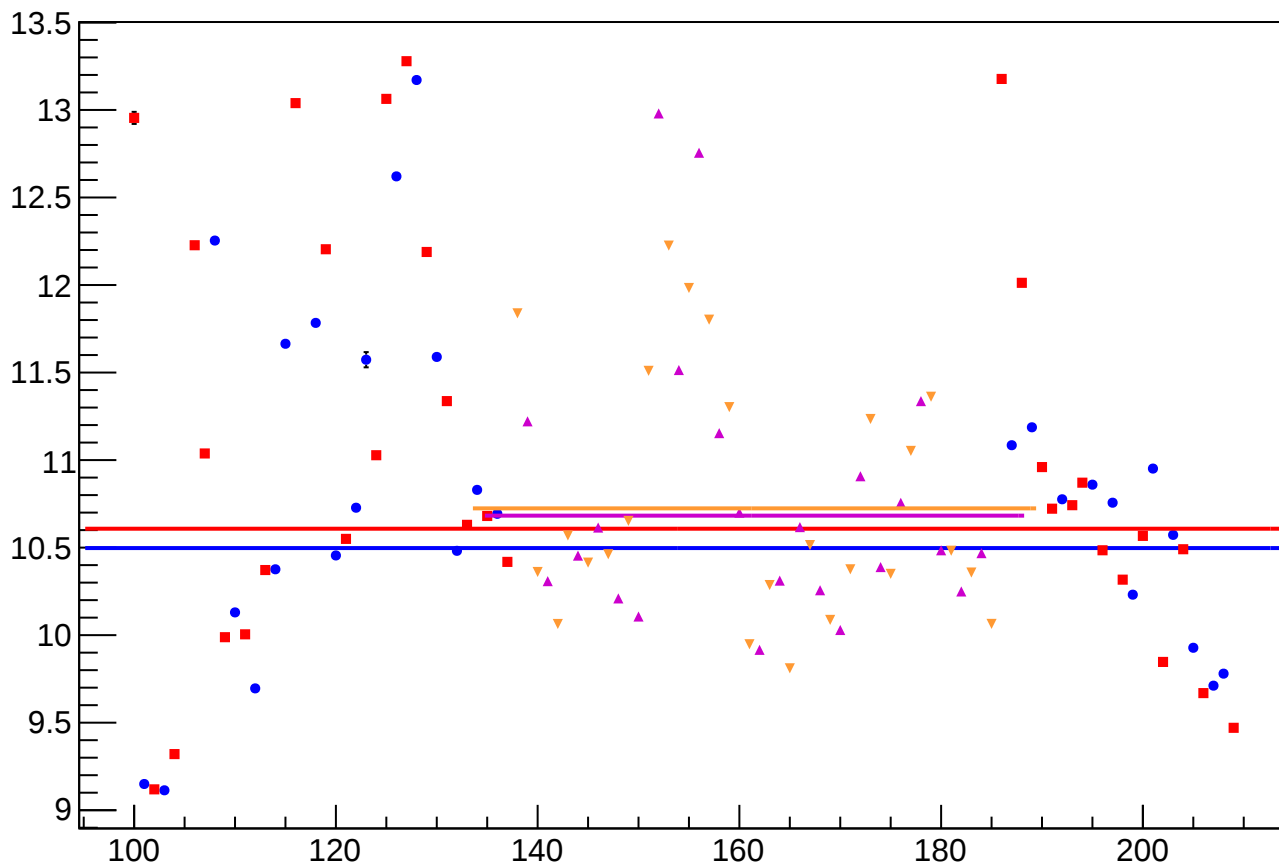
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -1.235 ± 1.870 χ^2/NDF : 48.3/52

All: -0.341 ± 1.320 χ^2/NDF : 131.9/107

- sign 0.548 ± 1.865 χ^2/NDF : 83.2/54

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.497 $\pm$ 0.002 χ^2 /NDF: 195478.8/27

Left Out: 10.724 $\pm$ 0.002 χ^2 /NDF: 132558.9/24

Right Out: 10.608 $\pm$ 0.002 χ^2 /NDF: 281143.4/31

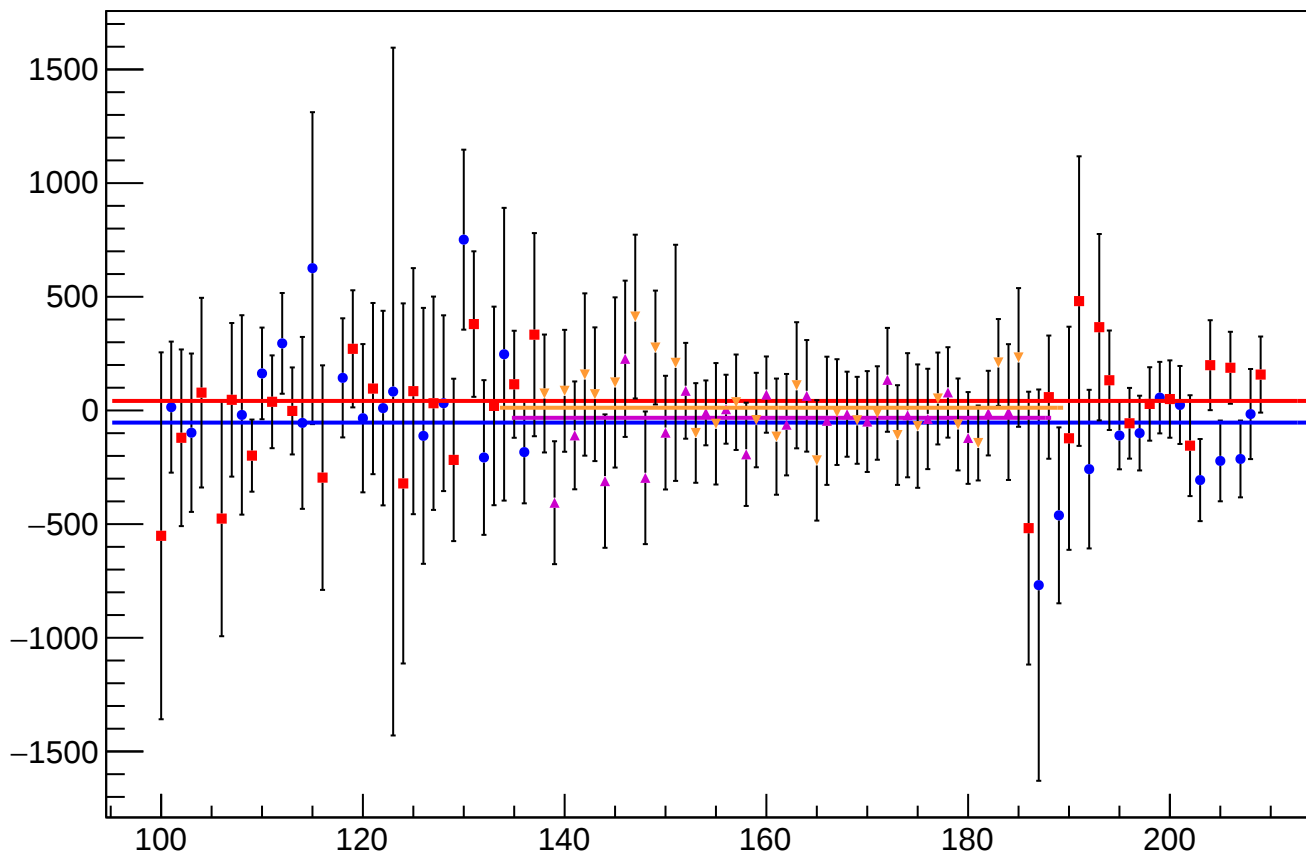
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF: 147835.6/22

+ sign 10.622 $\pm$ 0.001 χ^2 /NDF: 335324.1/52

All: 10.634 $\pm$ 0.001 χ^2 /NDF: 765280.2/107

- sign 10.647 $\pm$ 0.001 χ^2 /NDF: 429779.6/54

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -53.440 ± 47.033 χ^2/NDF : 17.1/27

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 41.887 ± 45.424 χ^2/NDF : 13.2/31

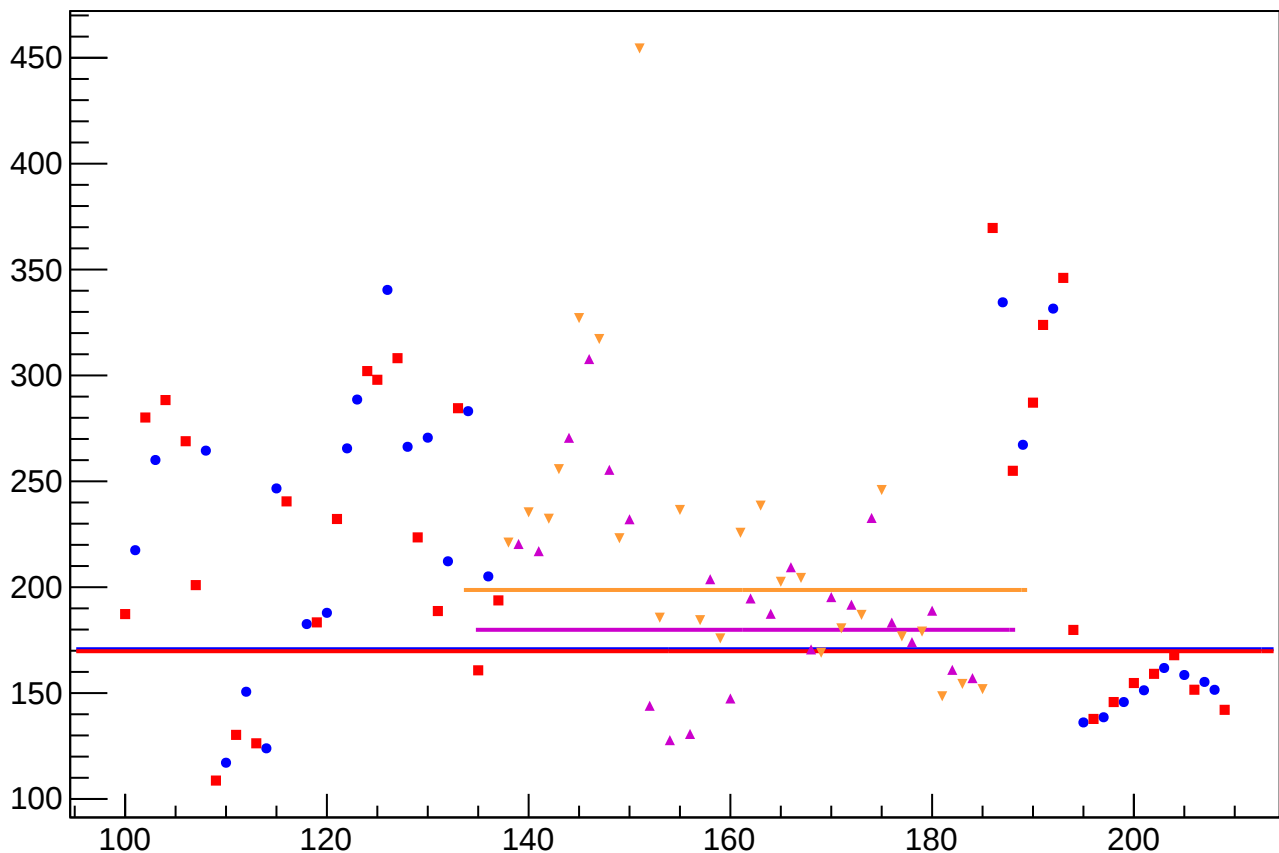
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign -21.455 ± 33.601 χ^2/NDF : 25.7/52

All: -7.845 ± 23.182 χ^2/NDF : 47.4/107

- sign 4.516 ± 32.024 χ^2/NDF : 21.4/54

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.713 $\pm$ 0.033 χ^2 /NDF: 2109113.9/27

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF:1759311.9/24

Right Out: 169.775 $\pm$ 0.032 χ^2 /NDF: 2787323.4/31

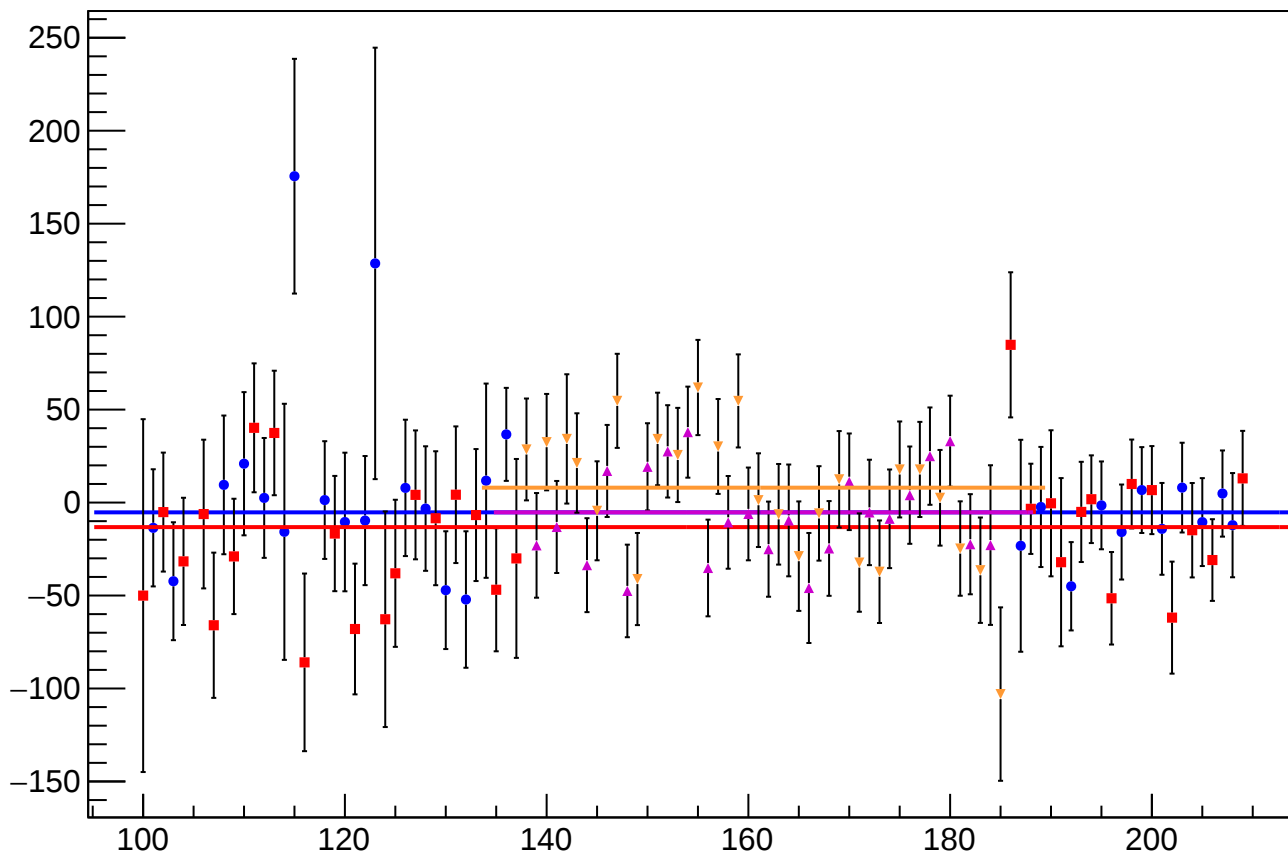
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

+ sign 184.412 $\pm$ 0.024 χ^2 /NDF: 4215032.7/52

All: 179.407 $\pm$ 0.016 χ^2 /NDF: 8717530.6/107

- sign 174.861 $\pm$ 0.023 χ^2 /NDF: 4417806.8/54

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.266 ± 5.842 $\chi^2/\text{NDF}: 22.3/27$

Left Out: 8.004 ± 5.334 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -13.205 ± 5.618 $\chi^2/\text{NDF}: 30.4/31$

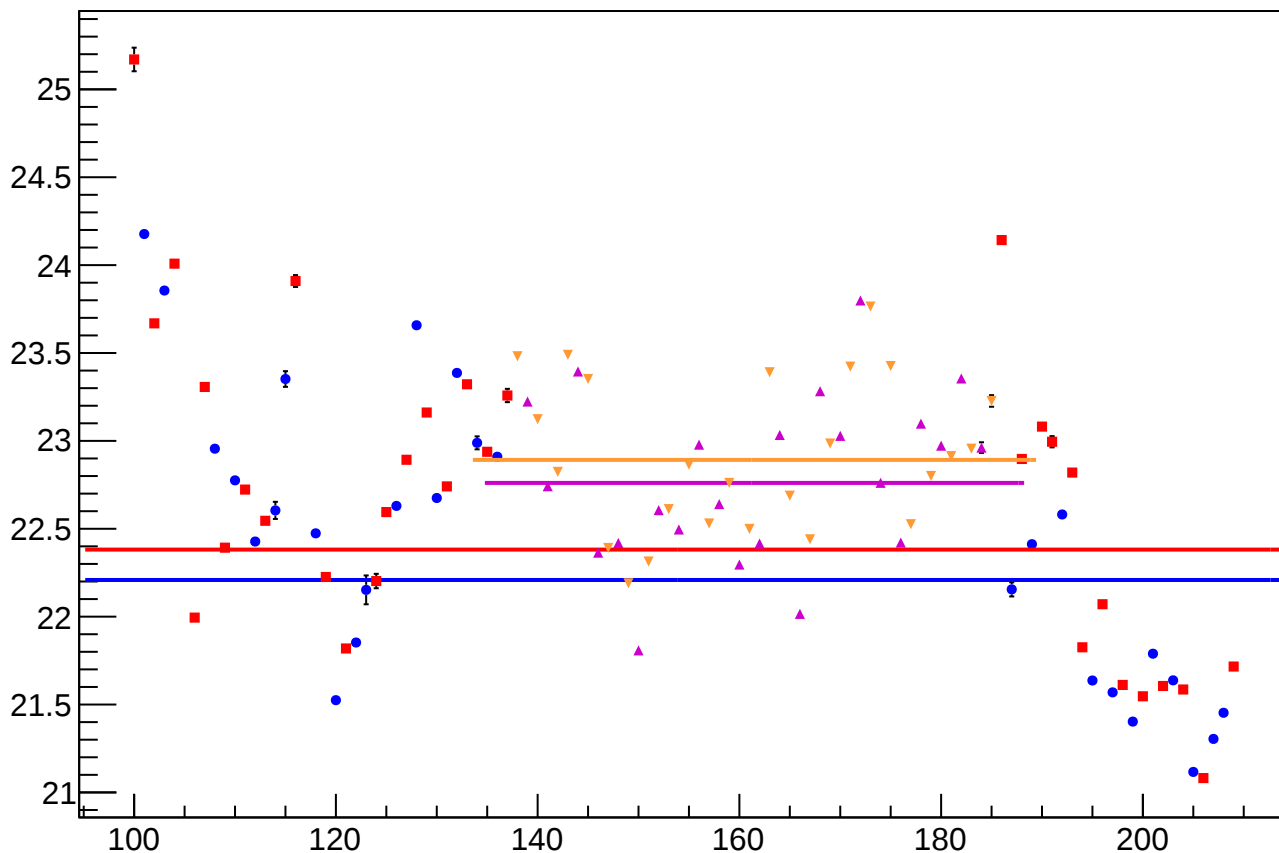
Left In: -5.261 ± 5.465 $\chi^2/\text{NDF}: 20.8/22$

+ sign 1.971 ± 3.939 $\chi^2/\text{NDF}: 62.5/52$

All: -3.607 ± 2.778 $\chi^2/\text{NDF}: 118.7/107$

- sign -9.123 ± 3.917 $\chi^2/\text{NDF}: 52.2/54$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.209 $\pm$ 0.004 χ^2 /NDF: 40692.3/27

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF:12995.5/24

Right Out: 22.382 $\pm$ 0.004 χ^2 /NDF: 41934.7/31

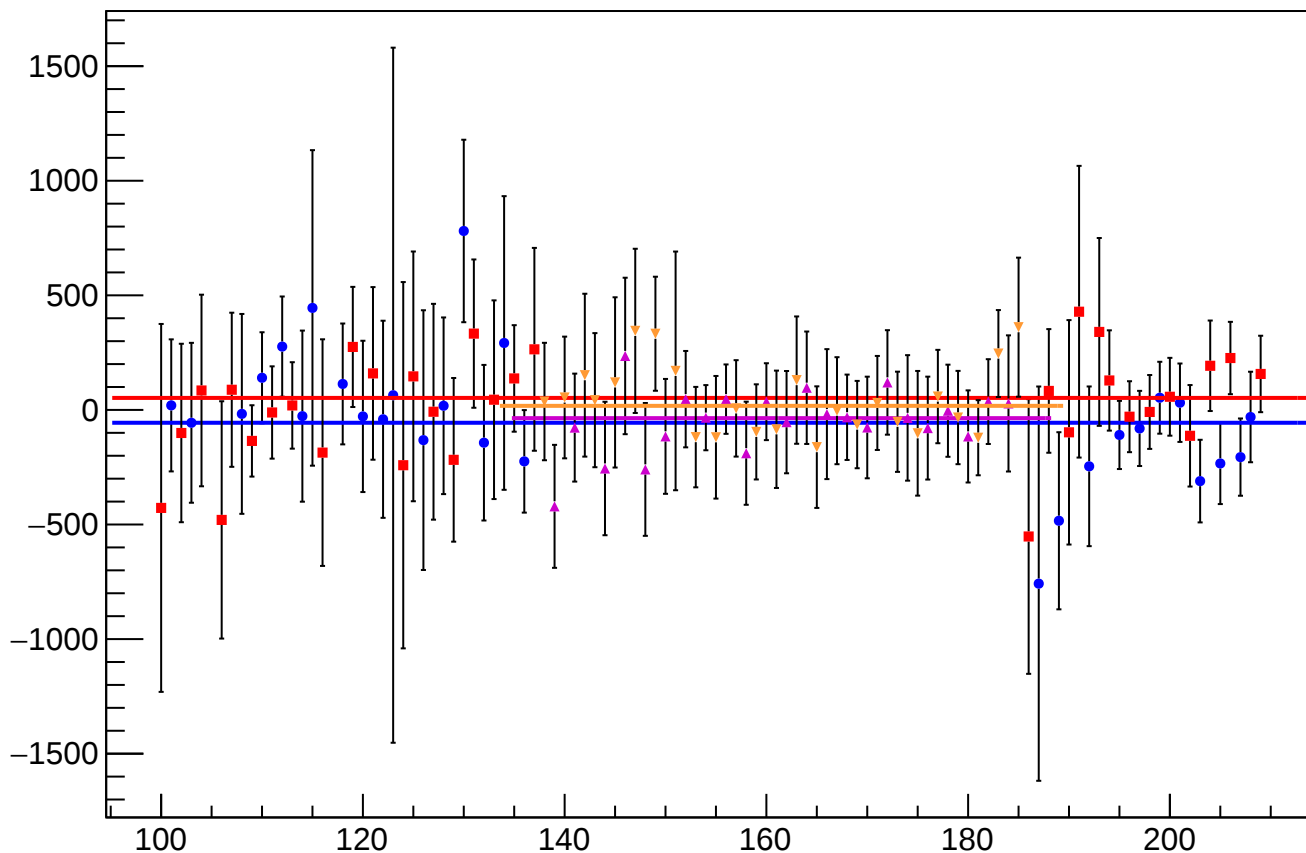
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14550.0/22

+ sign 22.581 $\pm$ 0.003 χ^2 /NDF: 68606.3/52

All: 22.579 $\pm$ 0.002 χ^2 /NDF: 129778.5/107

- sign 22.577 $\pm$ 0.003 χ^2 /NDF: 61170.7/54

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -56.037 ± 46.897 χ^2/NDF : 16.6/27

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: 52.396 ± 45.220 χ^2/NDF : 11.3/31

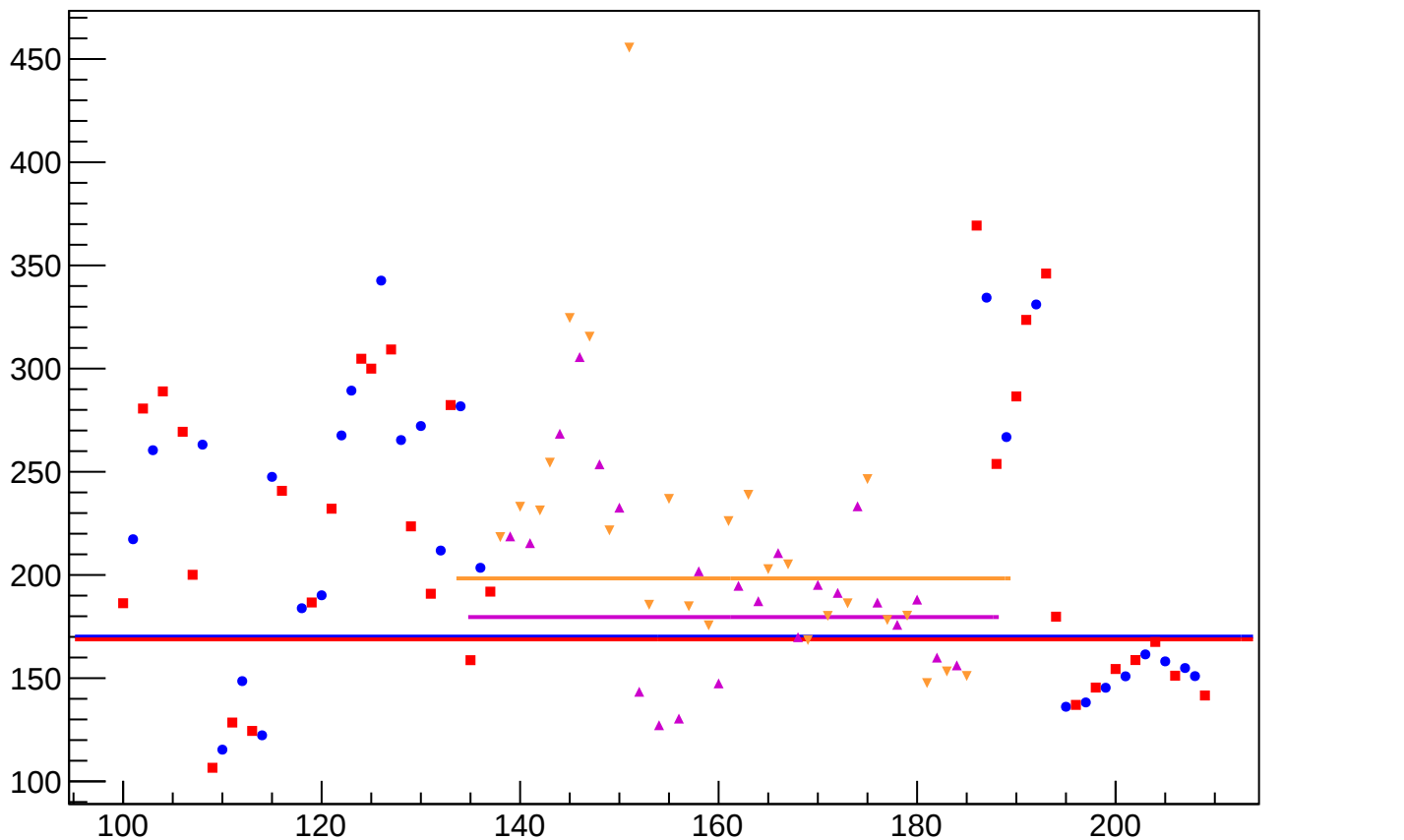
Left In: -35.879 ± 45.087 χ^2/NDF : 6.3/22

+ sign -19.943 ± 33.524 χ^2/NDF : 26.4/52

All: -5.223 ± 23.120 χ^2/NDF : 46.2/107

- sign 8.128 ± 31.928 χ^2/NDF : 19.5/54

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.134 $\pm$ 0.033 χ^2 /NDF: 2139302.7/27

Left Out: 198.344 $\pm$ 0.034 χ^2 /NDF:1757450.6/24

Right Out: 168.805 $\pm$ 0.032 χ^2 /NDF: 2855074.4/31

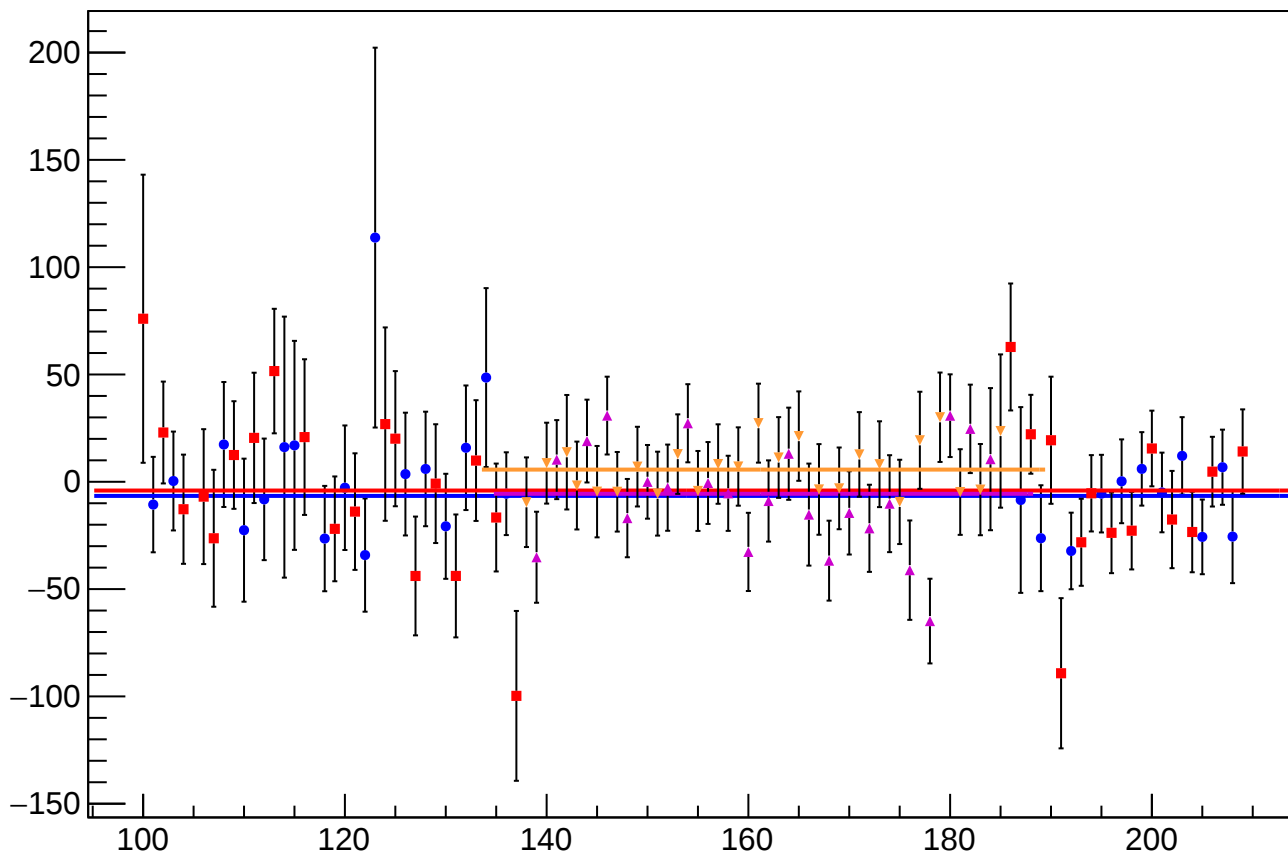
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF:1575744.0/22

+ sign 183.928 $\pm$ 0.024 χ^2 /NDF: 4250627.1/52

All: 178.838 $\pm$ 0.016 χ^2 /NDF: 8826575.5/107

- sign 174.221 $\pm$ 0.023 χ^2 /NDF: 4488023.2/54

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.579 ± 4.465 χ^2/NDF : 15.1/27

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: -4.074 ± 4.305 χ^2/NDF : 41.7/31

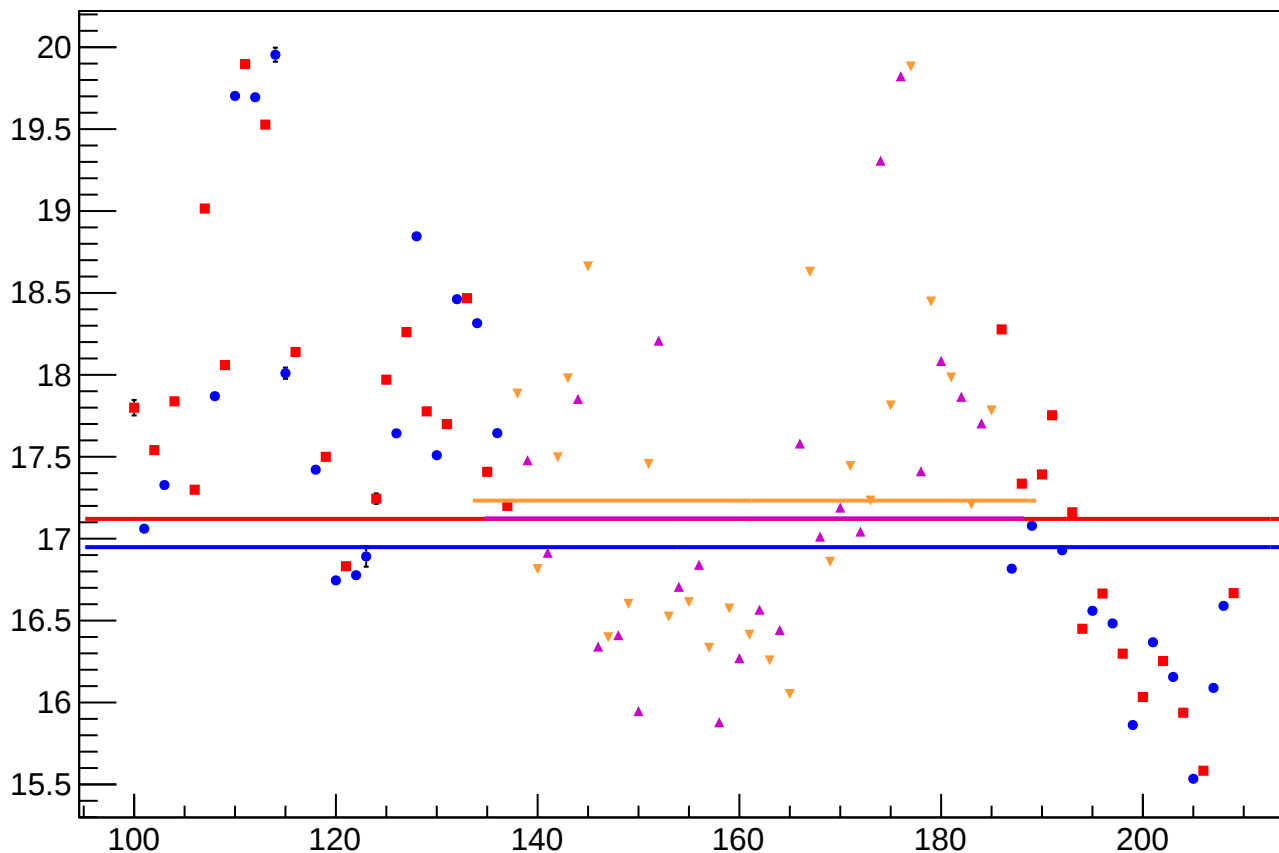
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 0.186 ± 2.989 χ^2/NDF : 27.0/52

All: -2.351 ± 2.109 χ^2/NDF : 106.6/107

- sign -4.868 ± 2.977 χ^2/NDF : 78.2/54

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.948 $\pm$ 0.003 χ^2 /NDF: 98938.9/27

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF:98701.0/24

Right Out: 17.121 $\pm$ 0.003 χ^2 /NDF: 106583.9/31

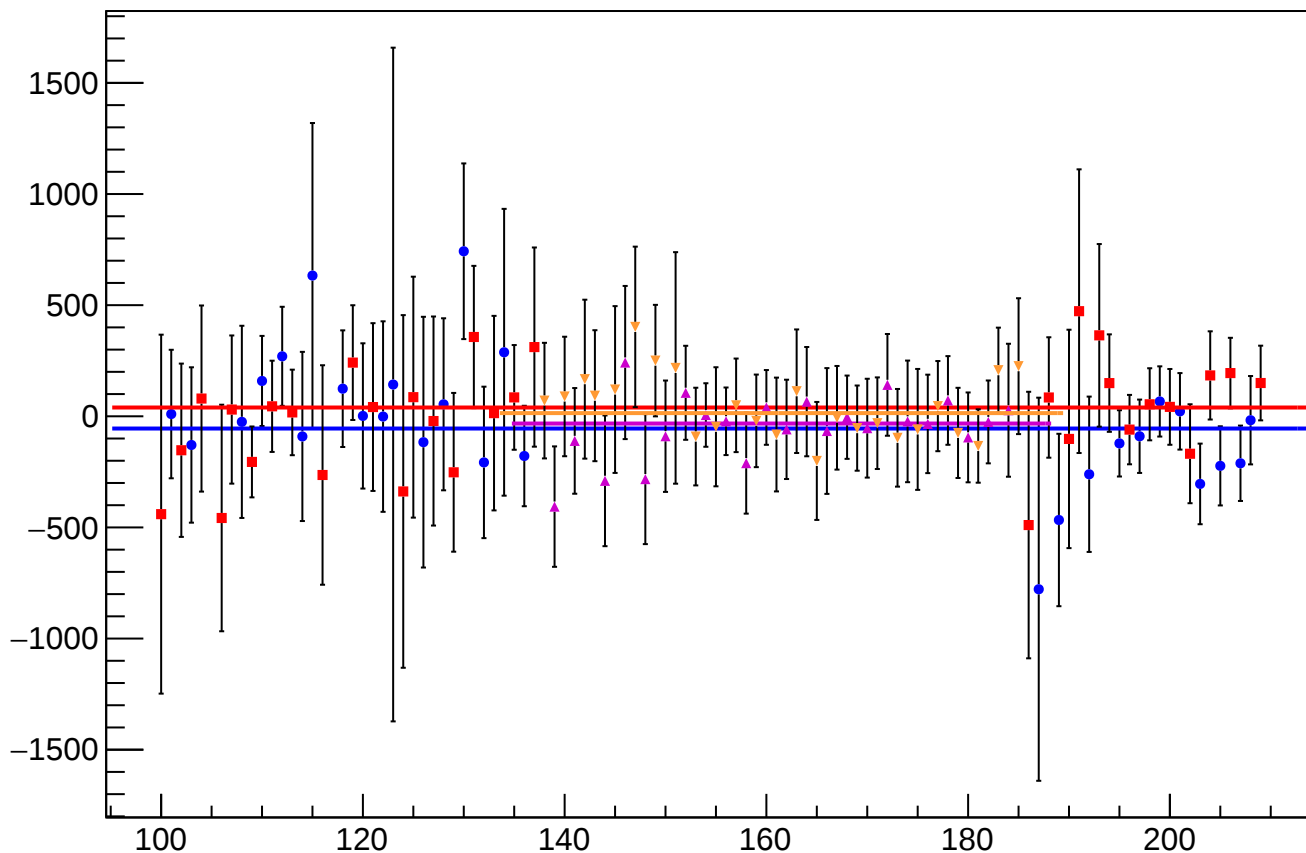
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF:100747.0/22

+ sign 17.105 $\pm$ 0.002 χ^2 /NDF: 202107.6/52

All: 17.114 $\pm$ 0.001 χ^2 /NDF: 409472.3/107

- sign 17.122 $\pm$ 0.002 χ^2 /NDF: 207331.3/54

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -55.044 ± 47.174 χ^2/NDF : 16.7/27

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 39.530 ± 45.542 χ^2/NDF : 12.7/31

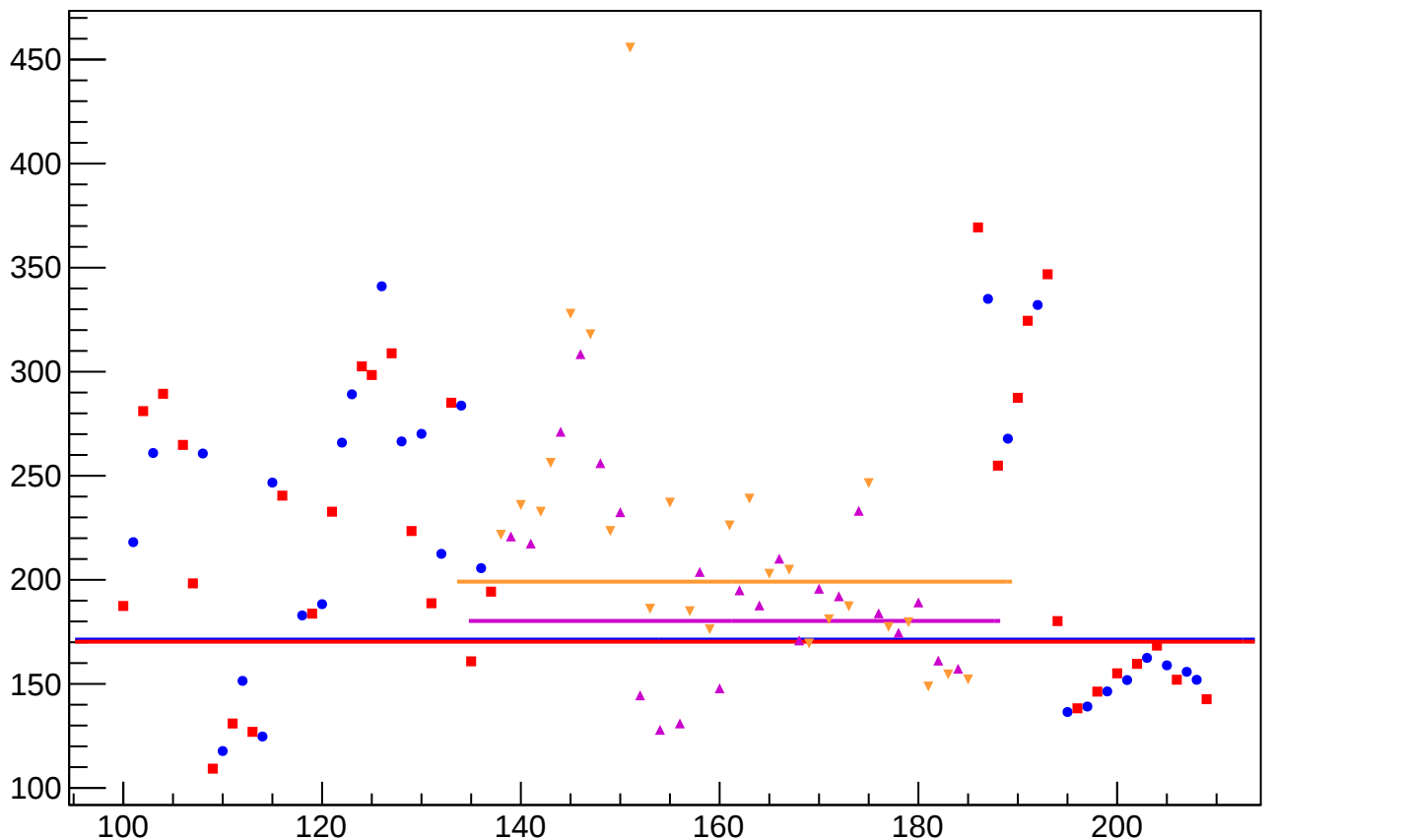
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign -21.037 ± 33.690 χ^2/NDF : 24.7/52

All: -8.309 ± 23.239 χ^2/NDF : 45.6/107

- sign 3.246 ± 32.098 χ^2/NDF : 20.6/54

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 171.281 $\pm$ 0.033 χ^2 /NDF: 2091240.5/27

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF: 1760298.1/24

Right Out: 170.288 $\pm$ 0.032 χ^2 /NDF: 2762742.6/31

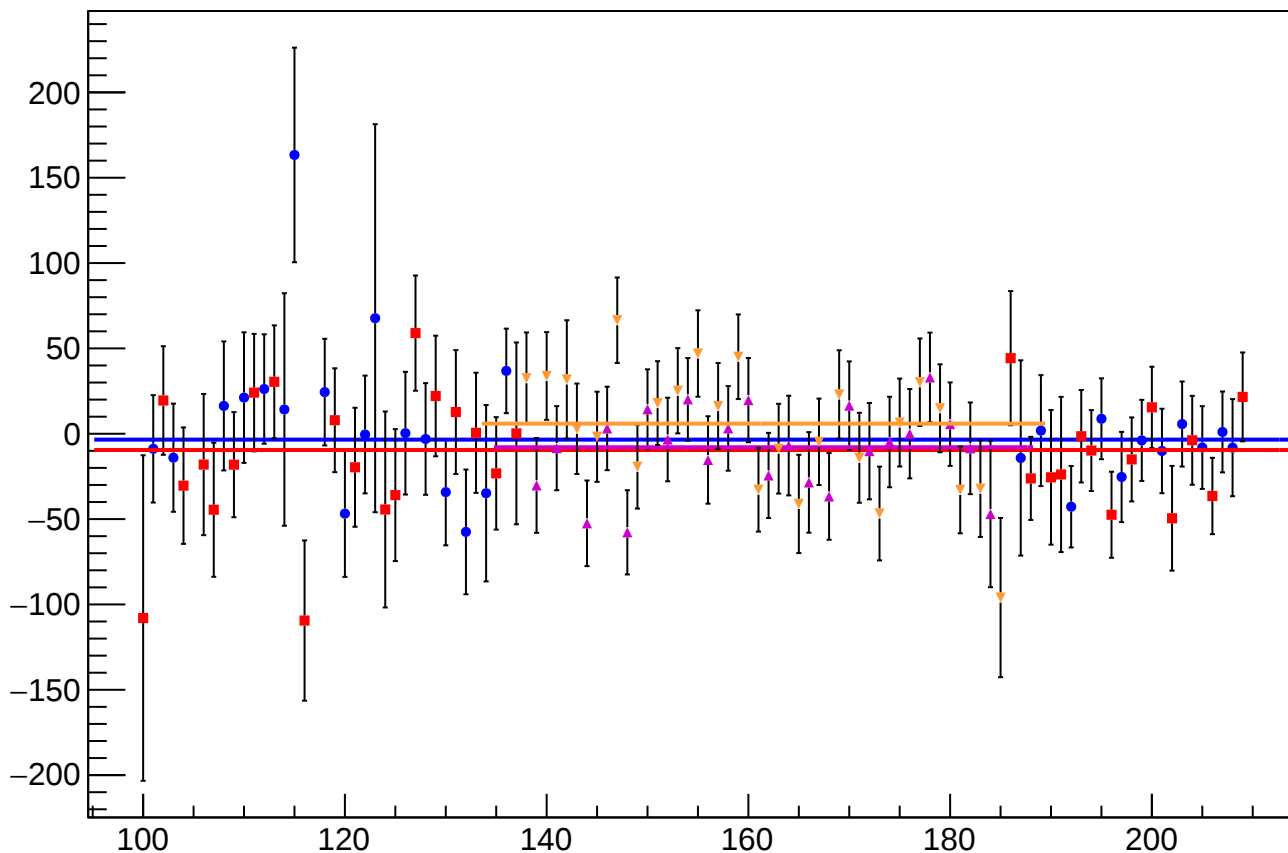
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF: 1580553.5/22

+ sign 184.929 $\pm$ 0.024 χ^2 /NDF: 4193208.2/52

All: 179.884 $\pm$ 0.016 χ^2 /NDF: 8670279.0/107

- sign 175.305 $\pm$ 0.023 χ^2 /NDF: 4391514.4/54

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.439 ± 5.876 χ^2/NDF : 21.6/27

Left Out: 5.937 ± 5.285 χ^2/NDF : 36.1/24

Right Out: -9.536 ± 5.637 χ^2/NDF : 27.7/31

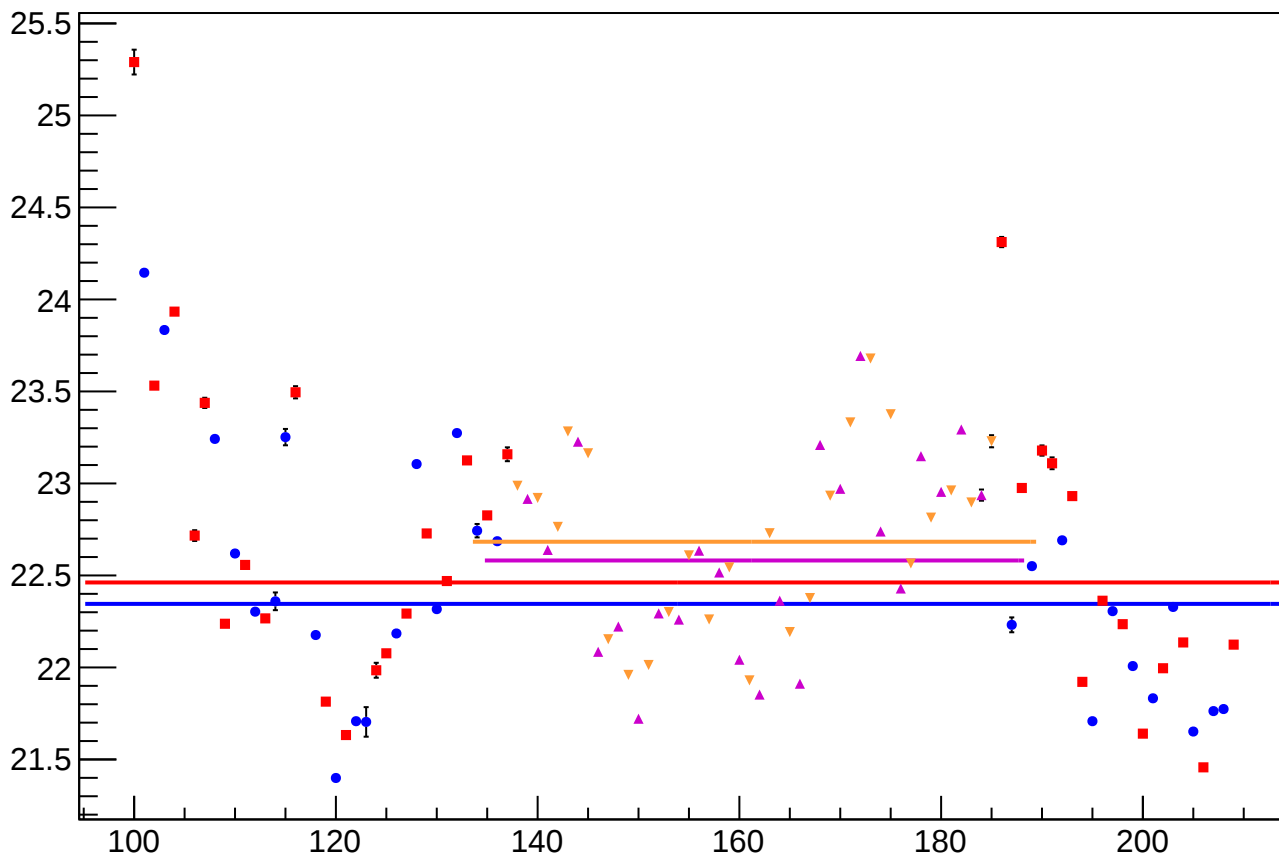
Left In: -7.915 ± 5.422 χ^2/NDF : 18.7/22

+ sign 1.745 ± 3.930 χ^2/NDF : 59.1/52

All: -3.504 ± 2.771 χ^2/NDF : 109.1/107

- sign -8.694 ± 3.908 χ^2/NDF : 46.4/54

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.345 ± 0.004 χ^2/NDF : 24509.5/27

Left Out: 22.683 ± 0.004 χ^2/NDF : 16320.2/24

Right Out: 22.462 ± 0.004 χ^2/NDF : 29822.7/31

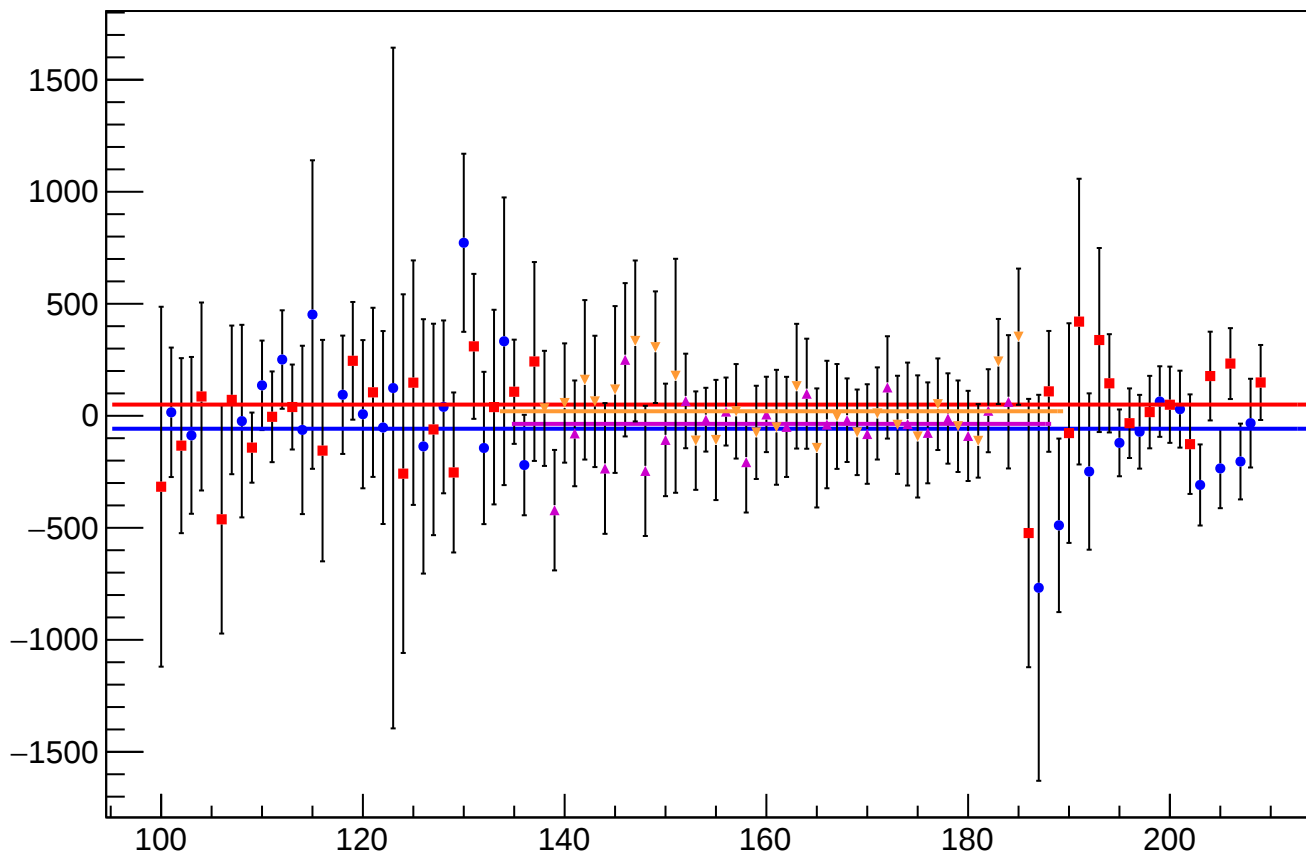
Left In: 22.581 ± 0.004 χ^2/NDF : 17904.5/22

+ sign 22.532 ± 0.003 χ^2/NDF : 44482.4/52

All: 22.528 ± 0.002 χ^2/NDF : 92680.7/107

- sign 22.524 ± 0.003 χ^2/NDF : 48193.8/54

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -57.724 ± 47.039 χ^2/NDF : 16.3/27

Left Out: 20.306 ± 48.049 χ^2/NDF : 7.7/24

Right Out: 50.086 ± 45.340 χ^2/NDF : 10.7/31

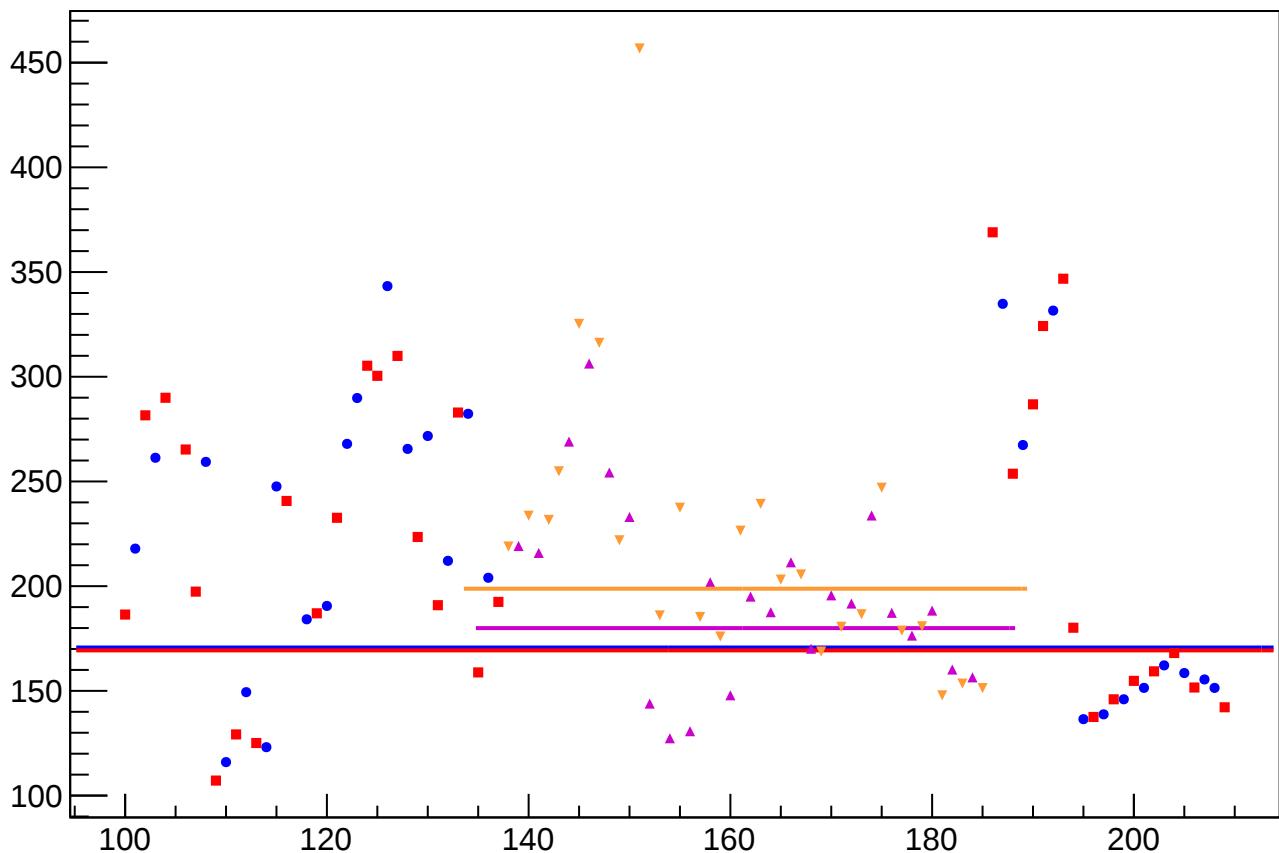
Left In: -35.996 ± 45.180 χ^2/NDF : 6.1/22

+ sign -19.538 ± 33.613 χ^2/NDF : 25.3/52

All: -5.674 ± 23.178 χ^2/NDF : 44.2/107

- sign 6.893 ± 32.003 χ^2/NDF : 18.6/54

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 170.708+/-0.033 χ^2/NDF : 2120846.8/27

Left Out: 198.784+/-0.034 χ^2/NDF : 1758481.8/24

Right Out: 169.326+/-0.032 χ^2/NDF : 2829598.6/31

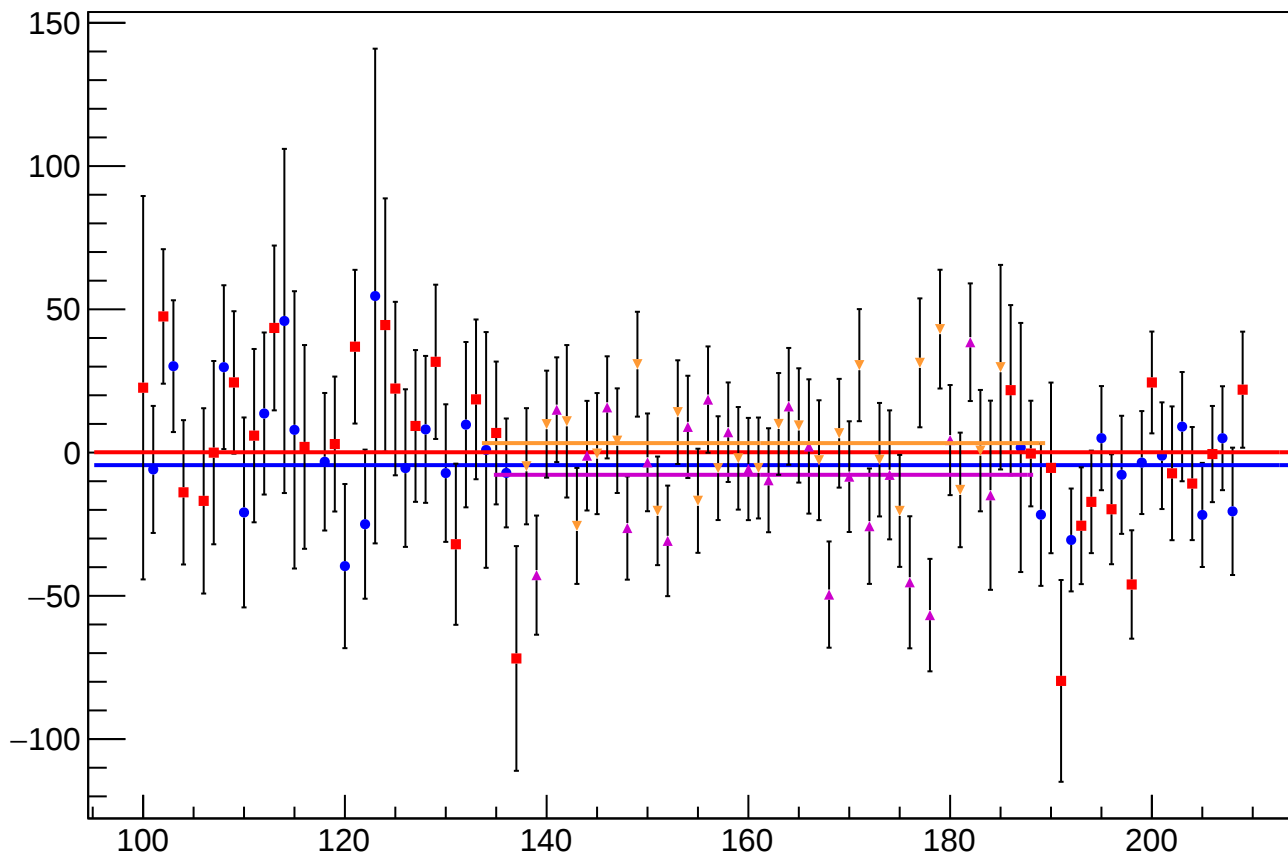
Left In: 179.972+/-0.032 χ^2/NDF : 1575888.3/22

+ sign 184.448+/-0.024 χ^2/NDF : 4228032.4/52

All: 179.318+/-0.016 χ^2/NDF : 8777659.4/107

- sign 174.668+/-0.023 χ^2/NDF : 4460821.1/54

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.382 ± 4.509 χ^2/NDF : 13.4/27

Left Out: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: 0.114 ± 4.332 χ^2/NDF : 36.9/31

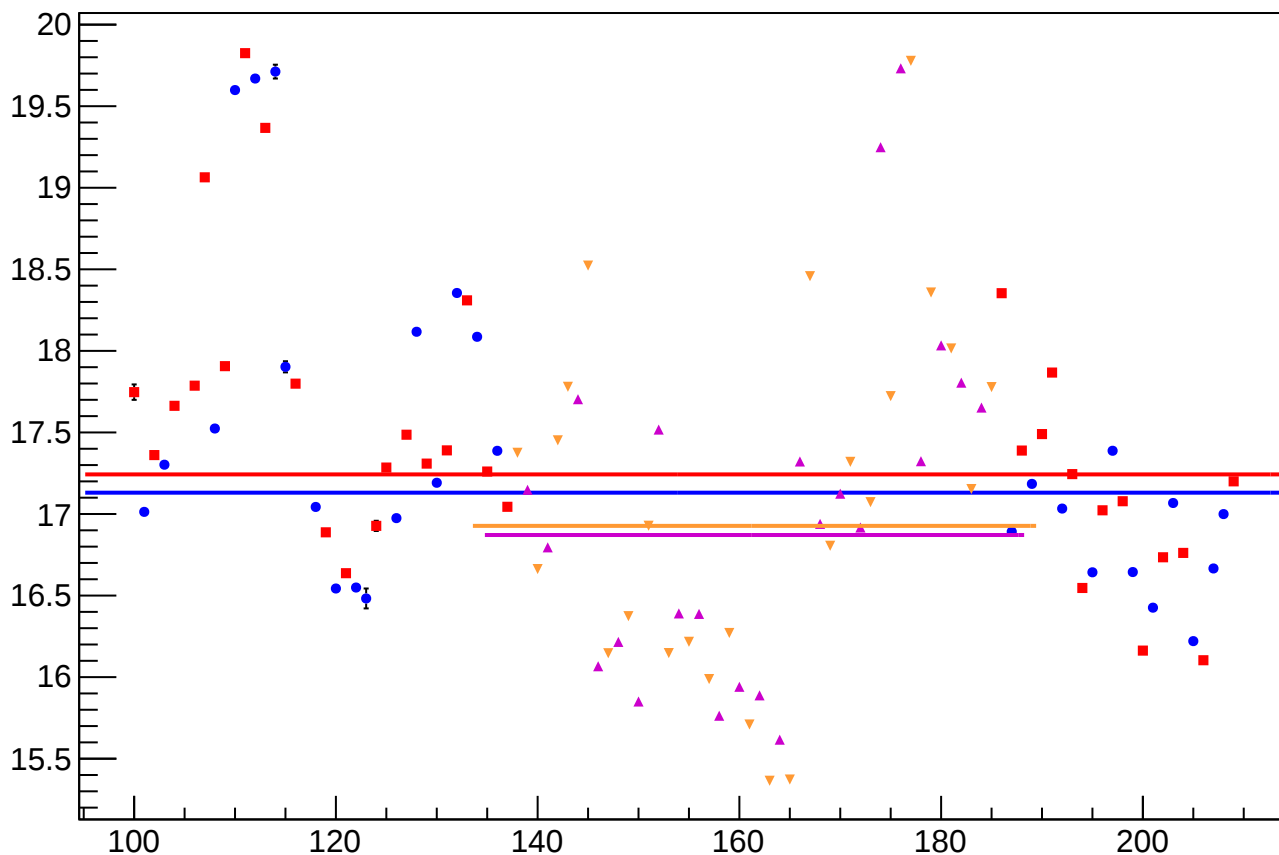
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign -0.035 ± 2.973 χ^2/NDF : 33.8/52

All: -2.062 ± 2.099 χ^2/NDF : 107.6/107

- sign -4.076 ± 2.963 χ^2/NDF : 72.9/54

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.131 $\pm$ 0.003 χ^2 /NDF: 54646.5/27

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.243 $\pm$ 0.003 χ^2 /NDF: 65844.4/31

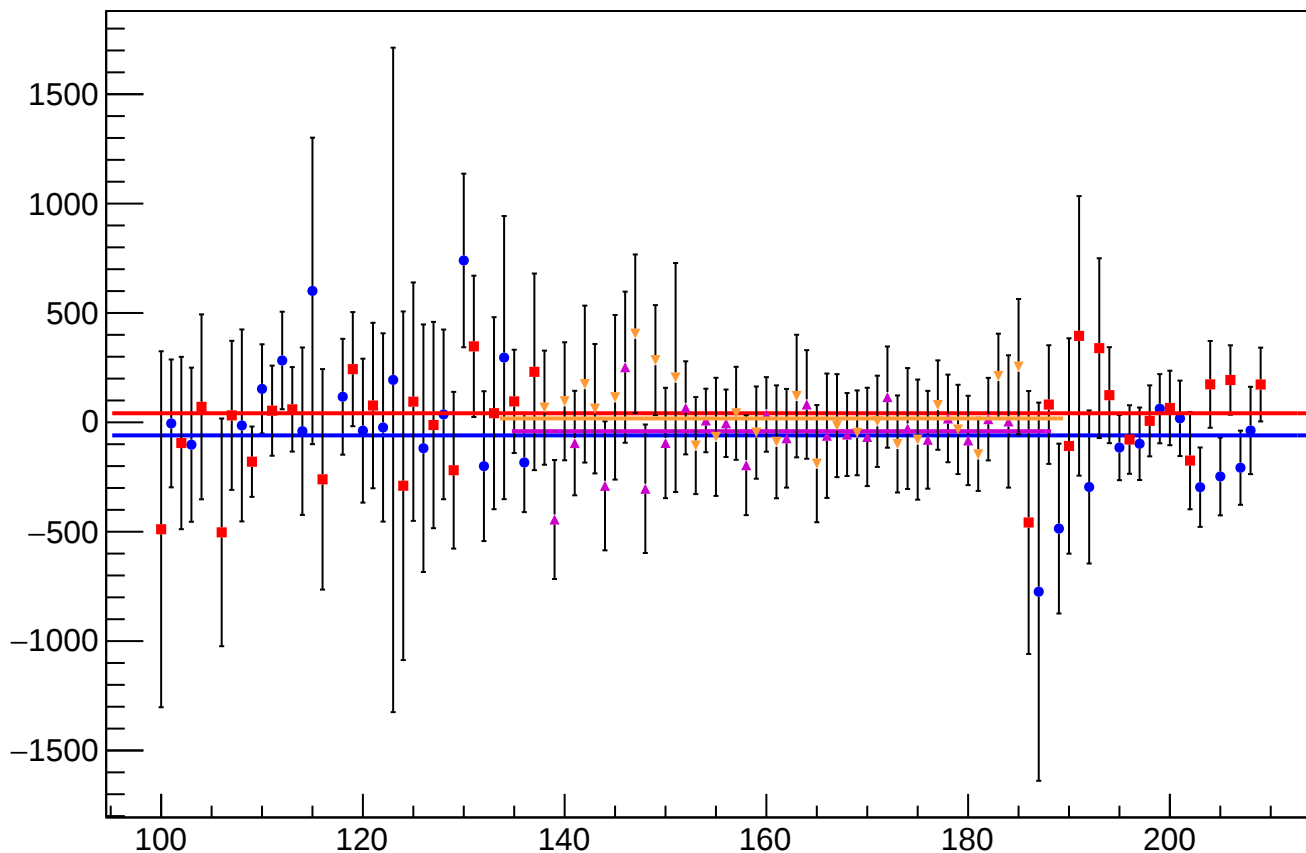
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.016 $\pm$ 0.002 χ^2 /NDF: 195482.3/52

All: 17.030 $\pm$ 0.001 χ^2 /NDF: 387247.0/107

- sign 17.045 $\pm$ 0.002 χ^2 /NDF: 191667.2/54

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -59.606 $\pm$ 47.309 χ^2 /NDF: 16.7/27

Left Out: 17.828 $\pm$ 48.547 χ^2 /NDF: 7.5/24

Right Out: 41.510 $\pm$ 45.703 χ^2 /NDF: 11.7/31

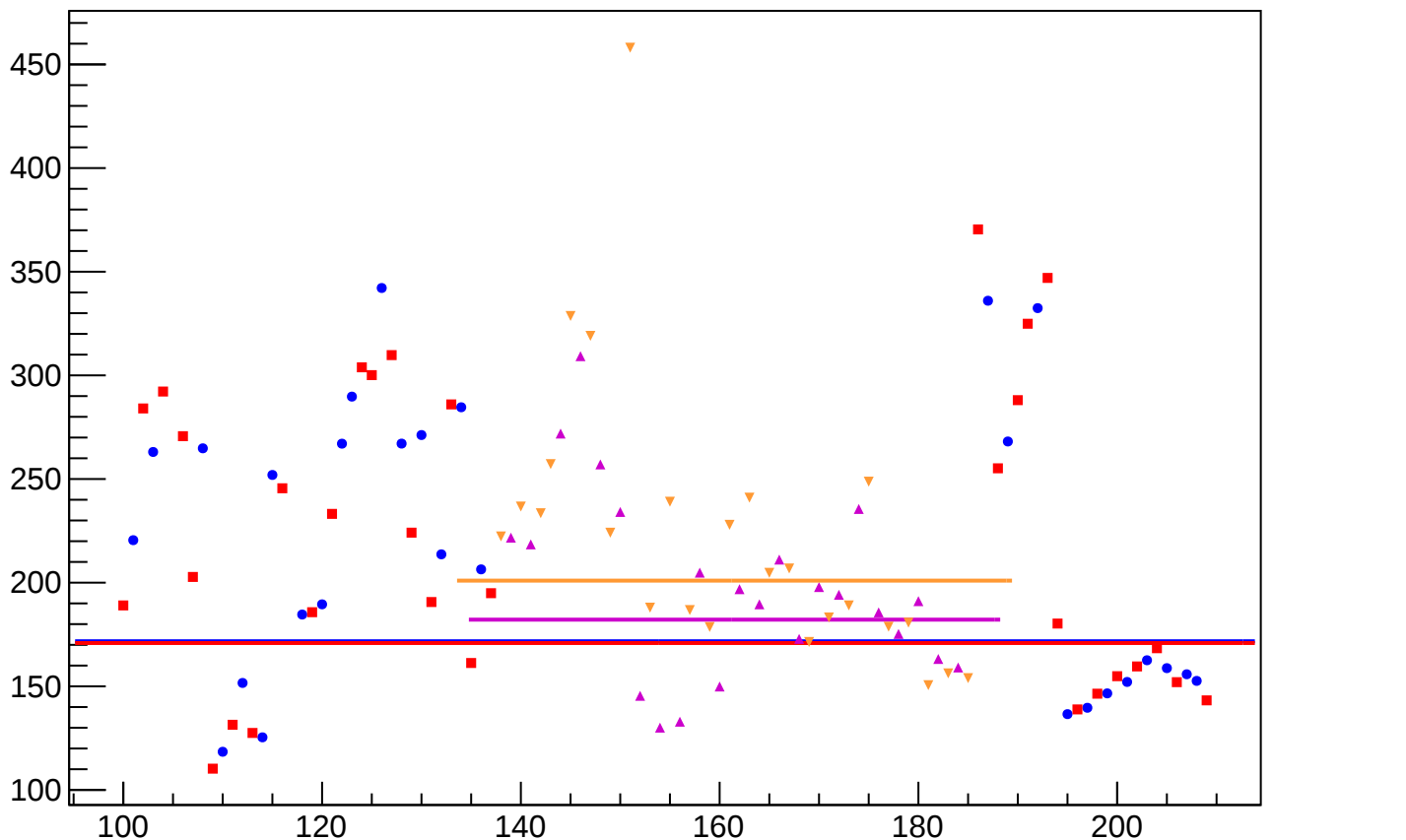
Left In: -40.355 $\pm$ 45.689 χ^2 /NDF: 6.6/22

+ sign -21.889 $\pm$ 33.882 χ^2 /NDF: 25.5/52

All: -10.130 $\pm$ 23.383 χ^2 /NDF: 45.7/107

- sign 0.565 $\pm$ 32.312 χ^2 /NDF: 20.0/54

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 171.733 ± 0.033 χ^2/NDF : 2106905.0/27

Left Out: 200.985 ± 0.034 χ^2/NDF : 1727291.4/24

Right Out: 170.889 ± 0.032 χ^2/NDF : 2773182.0/31

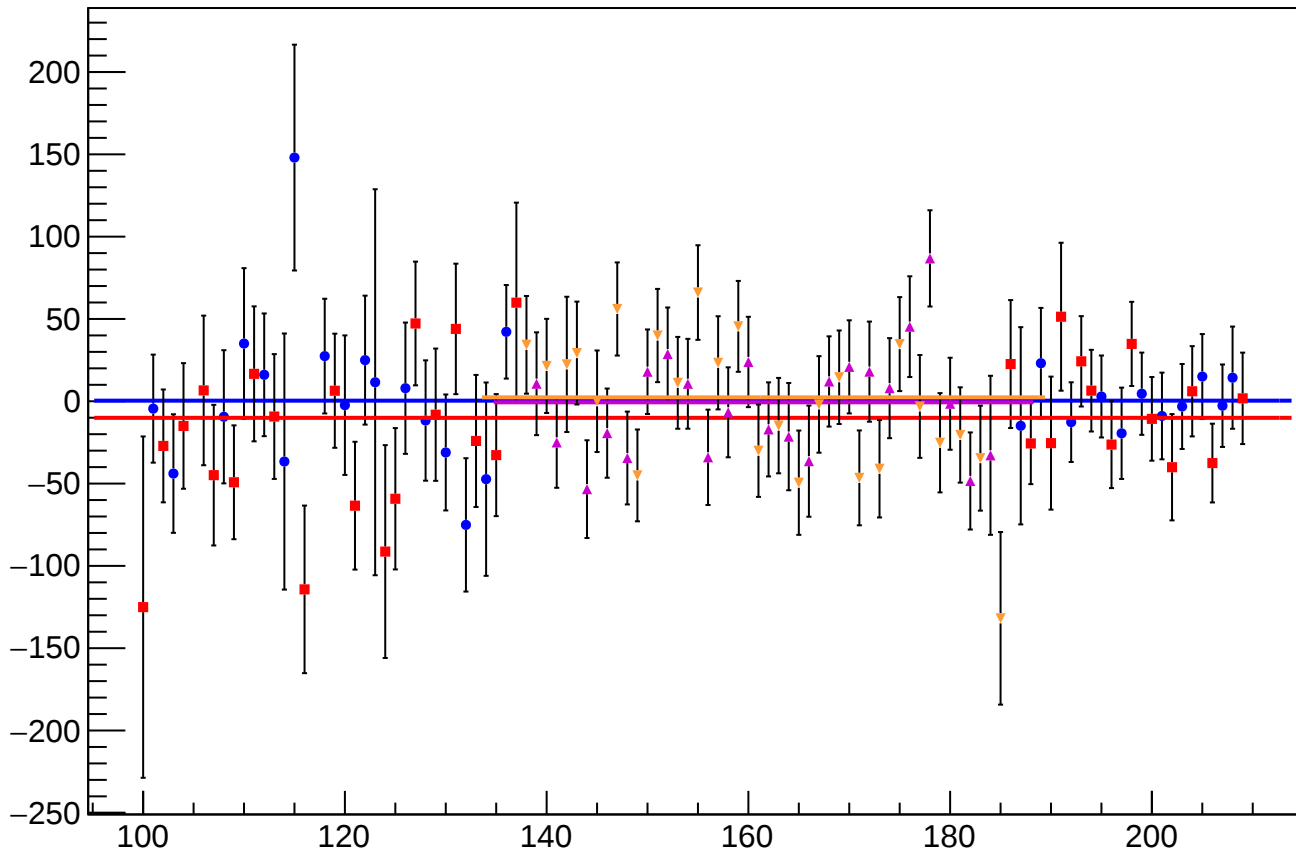
Left In: 182.158 ± 0.032 χ^2/NDF : 1535922.8/22

+ sign 185.981 ± 0.024 χ^2/NDF : 4206651.3/52

All: 181.029 ± 0.017 χ^2/NDF : 8658162.8/107

- sign 176.525 ± 0.023 χ^2/NDF : 4369927.8/54

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.369 ± 6.353 $\chi^2/\text{NDF}: 17.5/27$

Left Out: 2.390 ± 5.980 $\chi^2/\text{NDF}: 39.1/24$

Right Out: -10.063 ± 6.059 $\chi^2/\text{NDF}: 30.5/31$

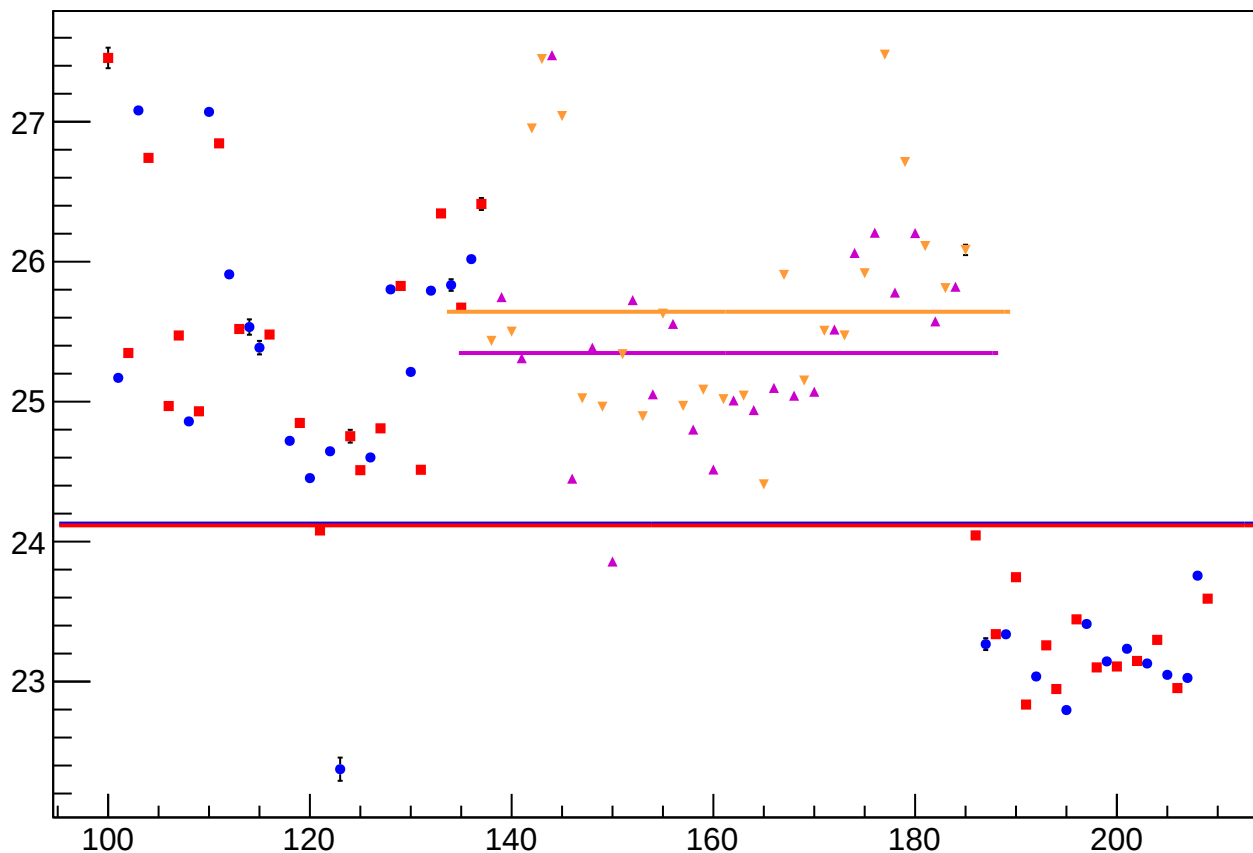
Left In: -0.641 ± 6.091 $\chi^2/\text{NDF}: 27.3/22$

+ sign 1.441 ± 4.355 $\chi^2/\text{NDF}: 56.7/52$

All: -2.015 ± 3.058 $\chi^2/\text{NDF}: 116.9/107$

- sign -5.377 ± 4.296 $\chi^2/\text{NDF}: 59.0/54$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.129 $\pm$ 0.004 χ^2 /NDF: 80732.9/27

Left Out: 25.642 $\pm$ 0.004 χ^2 /NDF:34802.2/24

Right Out: 24.116 $\pm$ 0.004 χ^2 /NDF: 76102.3/31

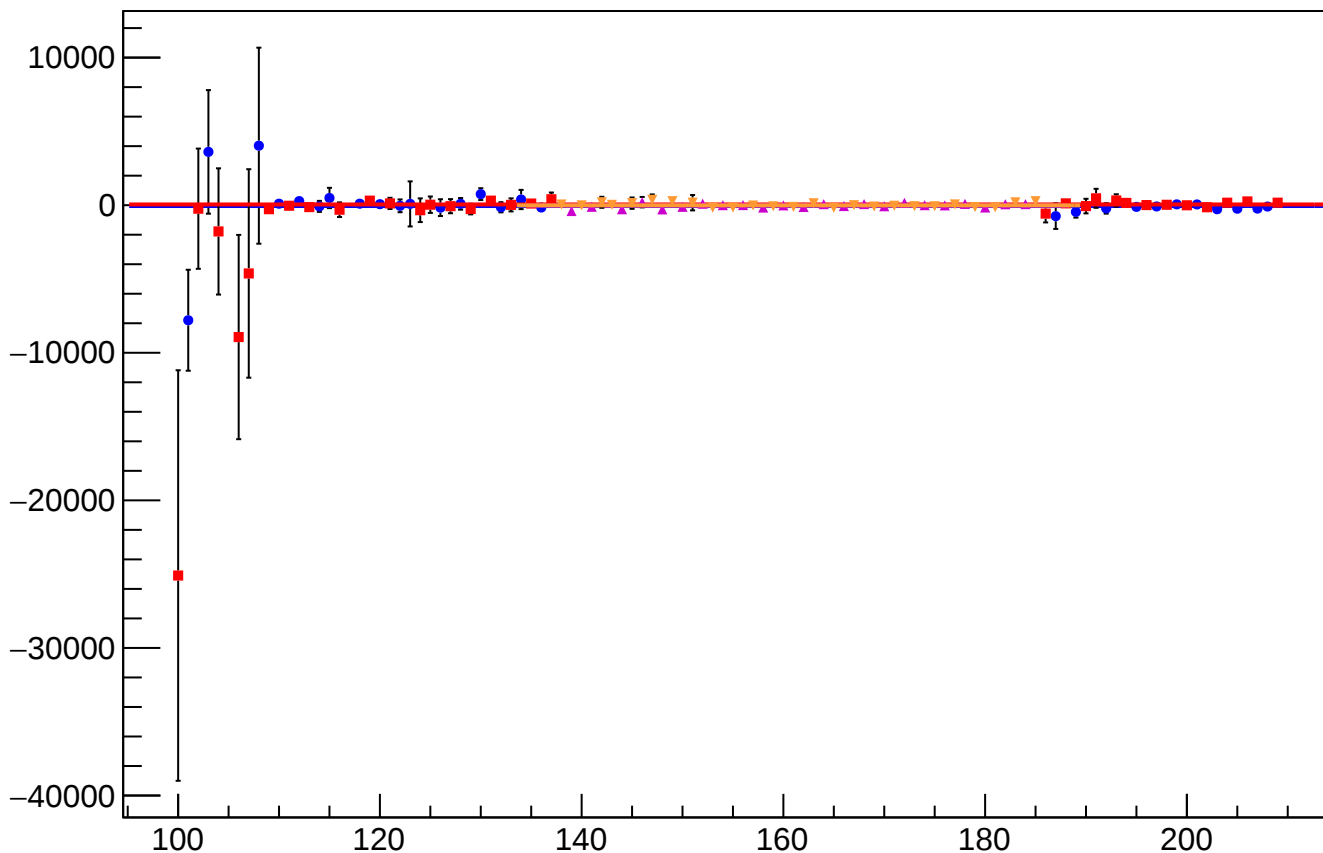
Left In: 25.347 $\pm$ 0.004 χ^2 /NDF:29389.5/22

+ sign 24.931 $\pm$ 0.003 χ^2 /NDF: 175722.6/52

All: 24.828 $\pm$ 0.002 χ^2 /NDF: 324500.9/107

- sign 24.728 $\pm$ 0.003 χ^2 /NDF: 146577.8/54

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -56.215 ± 49.609 χ^2/NDF : 21.4/27

Left Out: -11.432 ± 48.263 χ^2/NDF : 8.0/24

Right Out: 49.054 ± 48.662 χ^2/NDF : 18.2/31

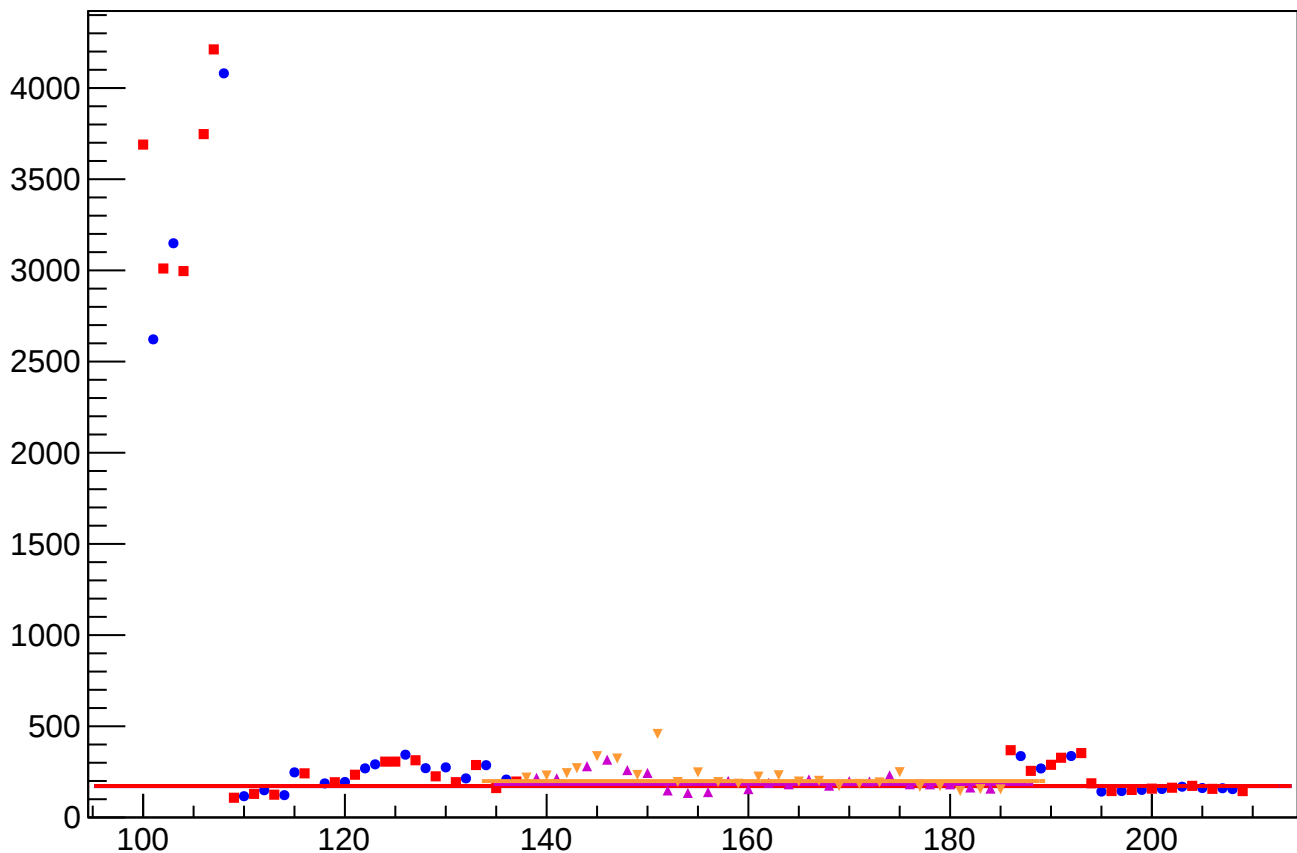
Left In: -27.098 ± 45.999 χ^2/NDF : 7.2/22

+ sign -33.207 ± 34.593 χ^2/NDF : 29.8/52

All: -11.465 ± 24.038 χ^2/NDF : 57.3/107

- sign 8.837 ± 33.428 χ^2/NDF : 26.7/54

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 171.996 $\pm$ 0.035 χ^2 /NDF: 4505072.6/27

Left Out: 199.438 $\pm$ 0.034 χ^2 /NDF:1877848.7/24

Right Out: 172.311 $\pm$ 0.034 χ^2 /NDF: 5392692.0/31

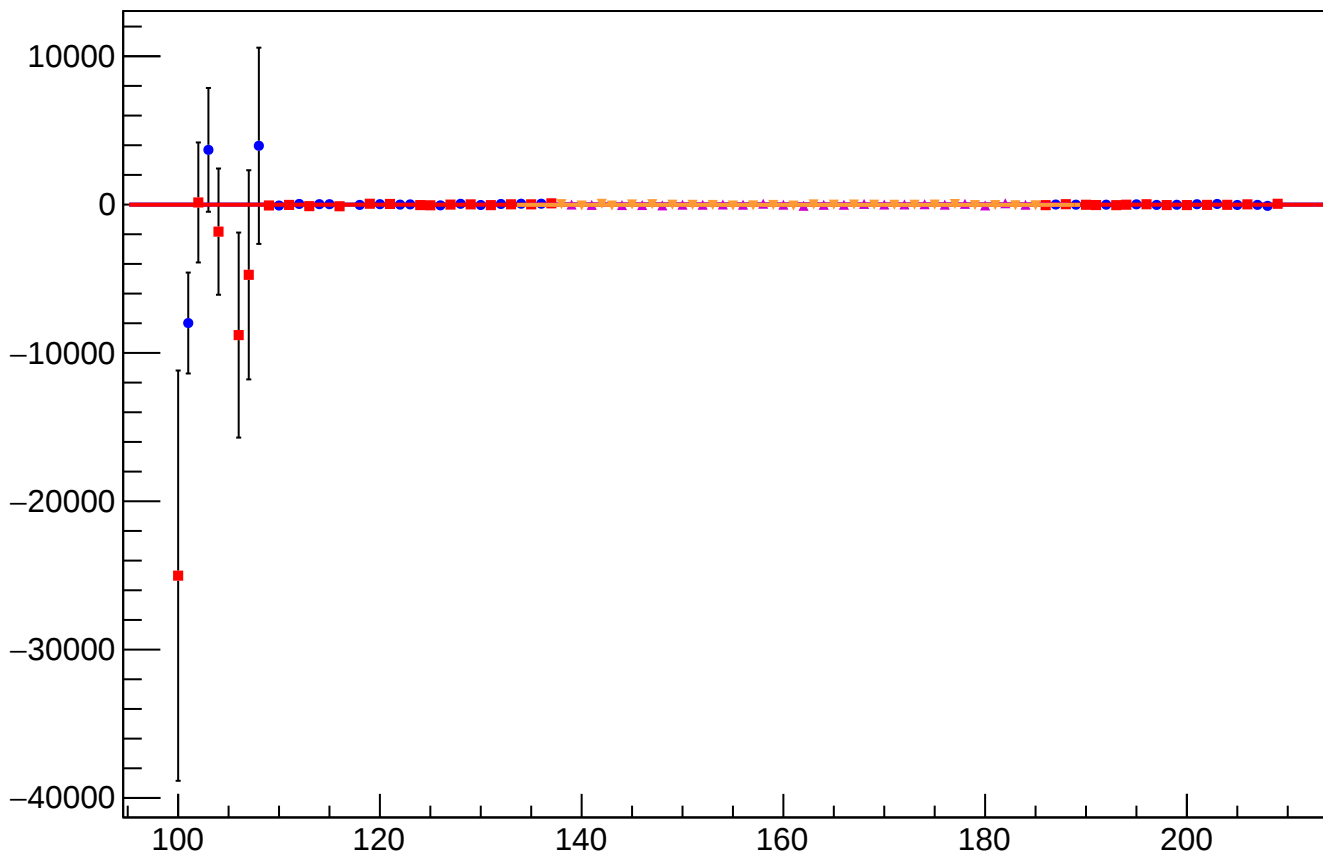
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF:1412869.6/22

+ sign 186.094 $\pm$ 0.024 χ^2 /NDF: 6697336.2/52

All: 182.106 $\pm$ 0.017 χ^2 /NDF: 13613235.9/10

- sign 178.381 $\pm$ 0.024 χ^2 /NDF: 6864485.7/54

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.456 ± 7.645 χ^2/NDF : 29.5/27

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: -7.445 ± 7.396 χ^2/NDF : 33.9/31

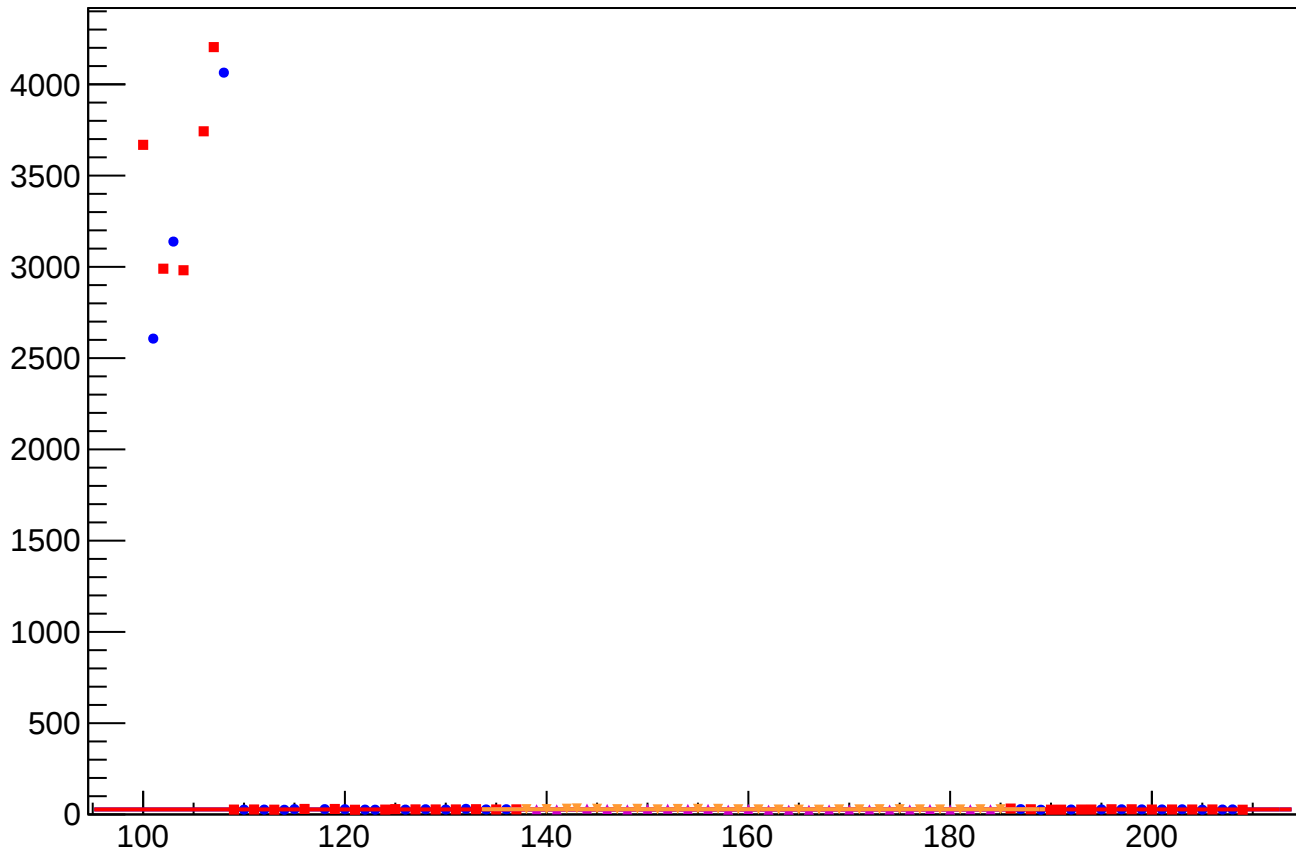
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -10.441 ± 5.040 χ^2/NDF : 54.3/52

All: -7.298 ± 3.567 χ^2/NDF : 121.3/107

- sign -4.146 ± 5.048 χ^2/NDF : 66.3/54

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.498 $\pm$ 0.005 χ^2 /NDF: 3040403.2/27

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.493 $\pm$ 0.005 χ^2 /NDF: 3509236.0/31

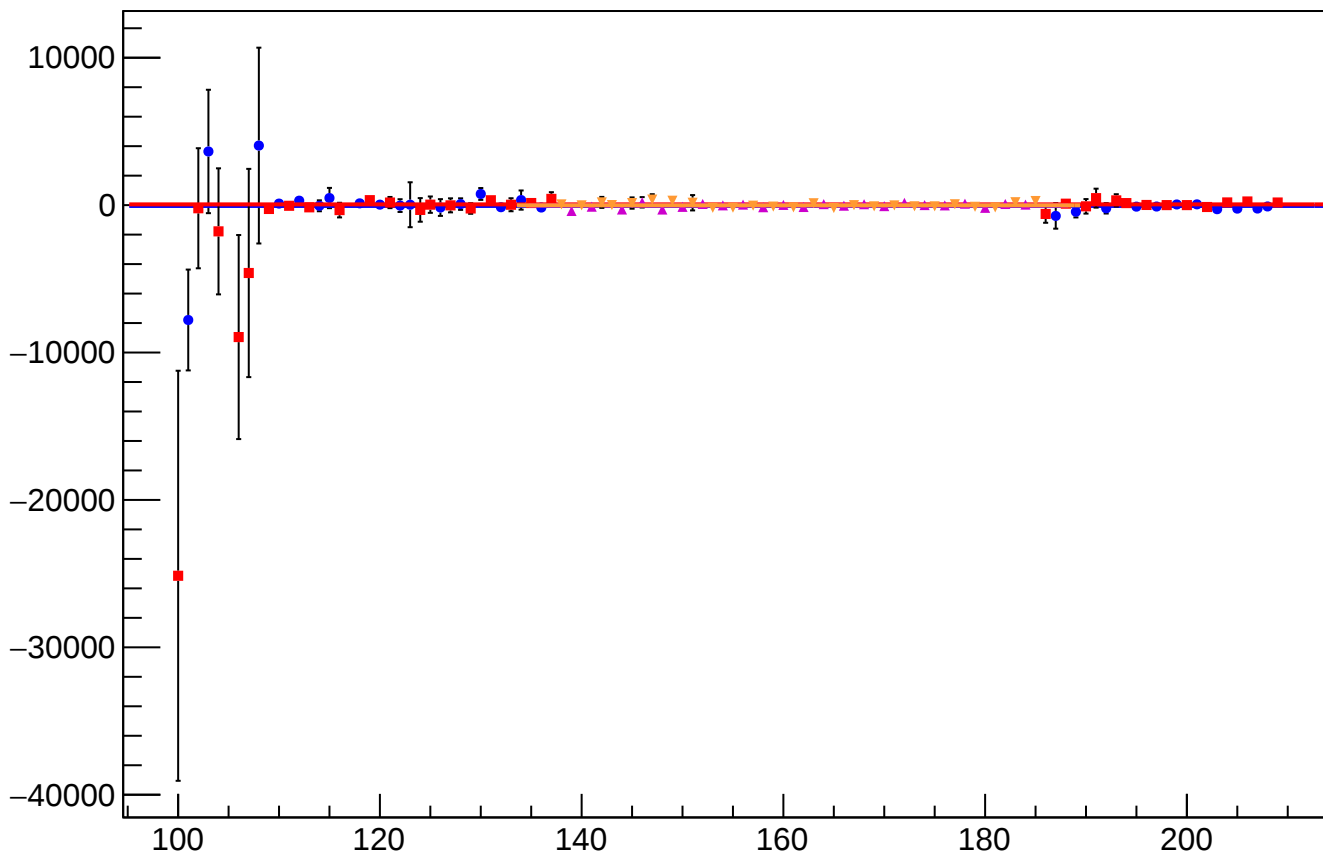
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.174 $\pm$ 0.004 χ^2 /NDF: 3178526.4/52

All: 28.150 $\pm$ 0.003 χ^2 /NDF: 6839054.8/107

- sign 28.125 $\pm$ 0.004 χ^2 /NDF: 3660434.0/54

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -54.979 ± 49.455 χ^2/NDF : 21.7/27

Left Out: -13.878 ± 48.155 χ^2/NDF : 8.8/24

Right Out: 50.975 ± 48.521 χ^2/NDF : 18.9/31

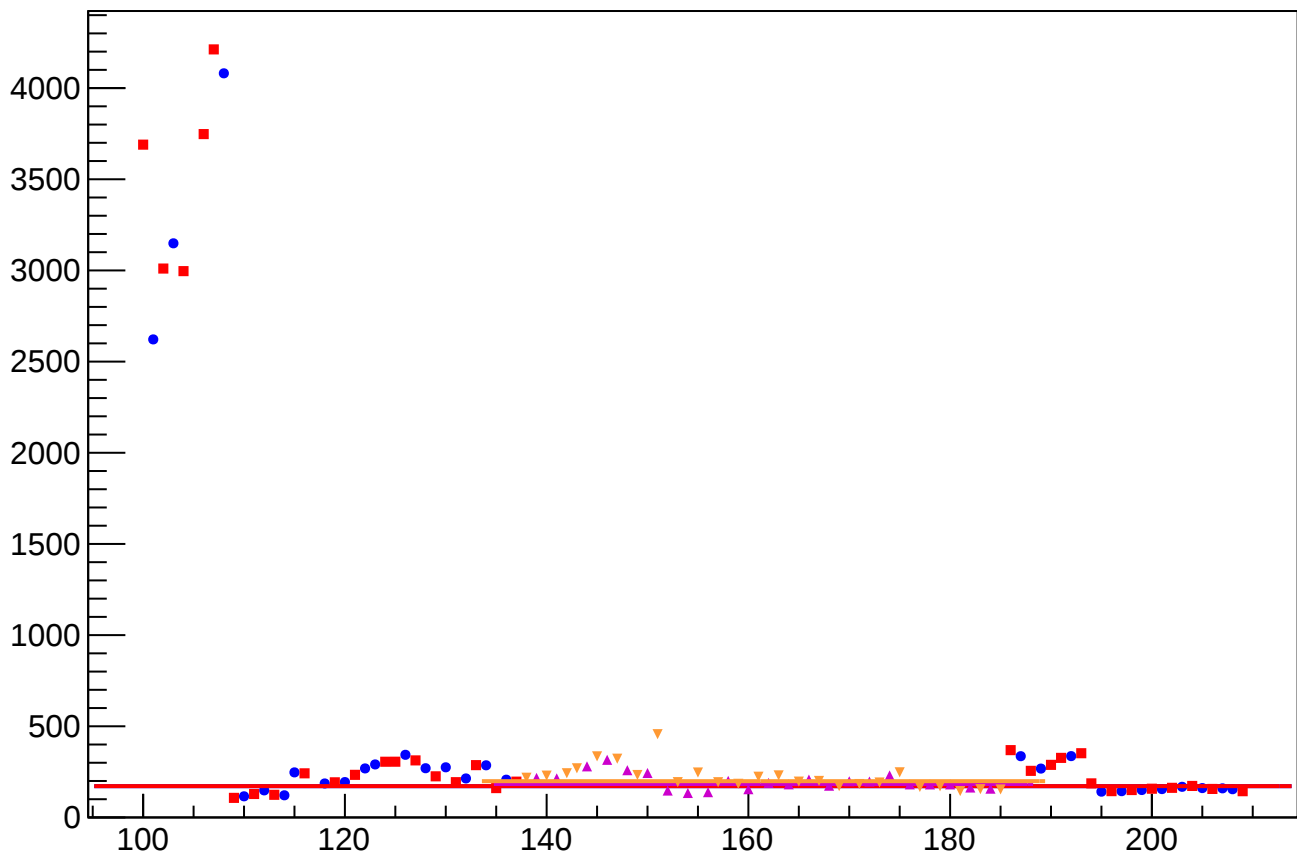
Left In: -27.286 ± 45.907 χ^2/NDF : 7.5/22

+ sign -33.881 ± 34.501 χ^2/NDF : 30.9/52

All: -11.360 ± 23.978 χ^2/NDF : 59.5/107

- sign 9.679 ± 33.347 χ^2/NDF : 27.7/54

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.417 $\pm$ 0.035 χ^2 /NDF: 4518015.5/27

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF: 1877636.0/24

Right Out: 171.754 $\pm$ 0.034 χ^2 /NDF: 5410338.2/31

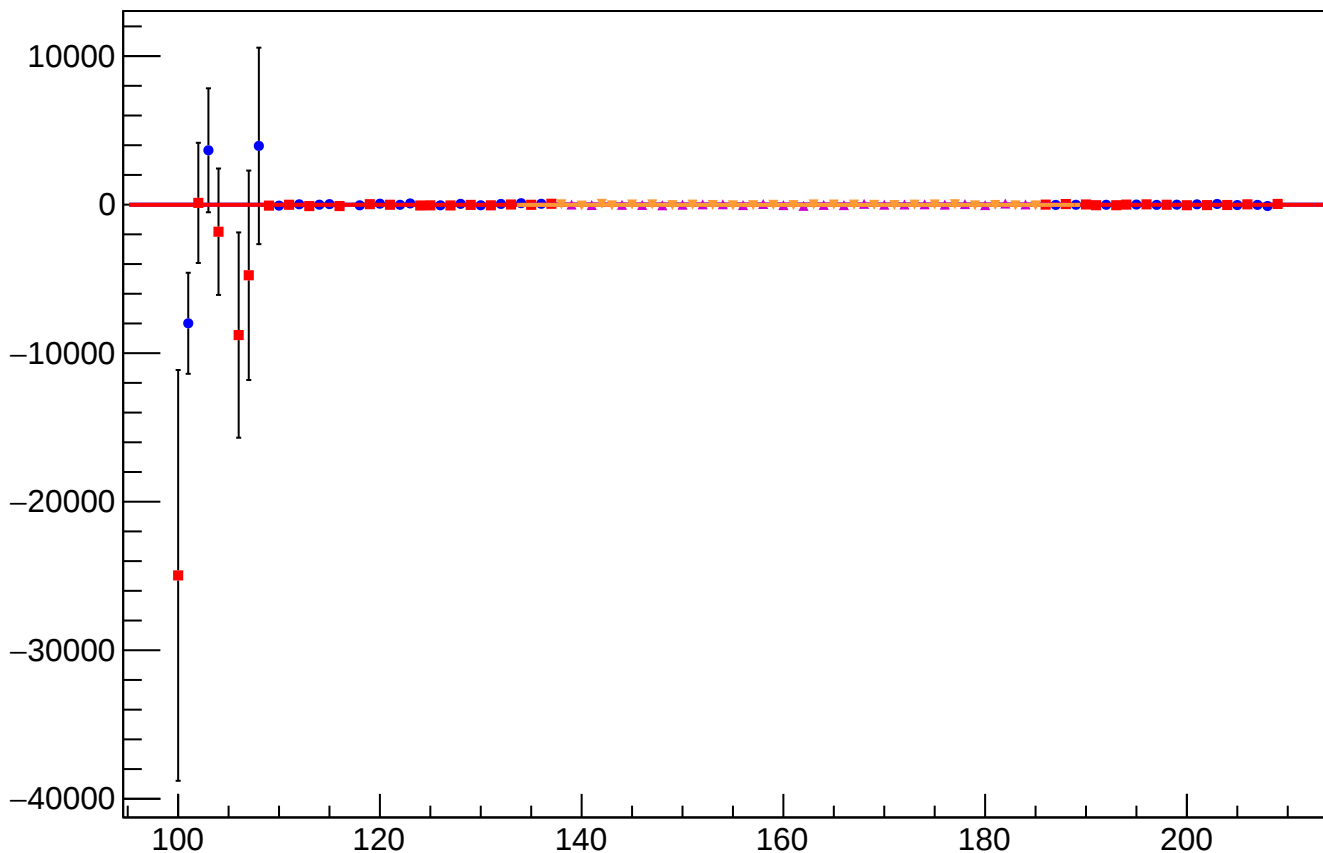
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 185.574 $\pm$ 0.024 χ^2 /NDF: 6714915.9/52

All: 181.617 $\pm$ 0.017 χ^2 /NDF: 13649700.5/10

- sign 177.921 $\pm$ 0.024 χ^2 /NDF: 6883908.7/54

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.945 ± 7.621 χ^2/NDF : 34.1/27

Left Out: -15.829 ± 6.733 χ^2/NDF : 16.5/24

Right Out: -10.657 ± 7.381 χ^2/NDF : 30.1/31

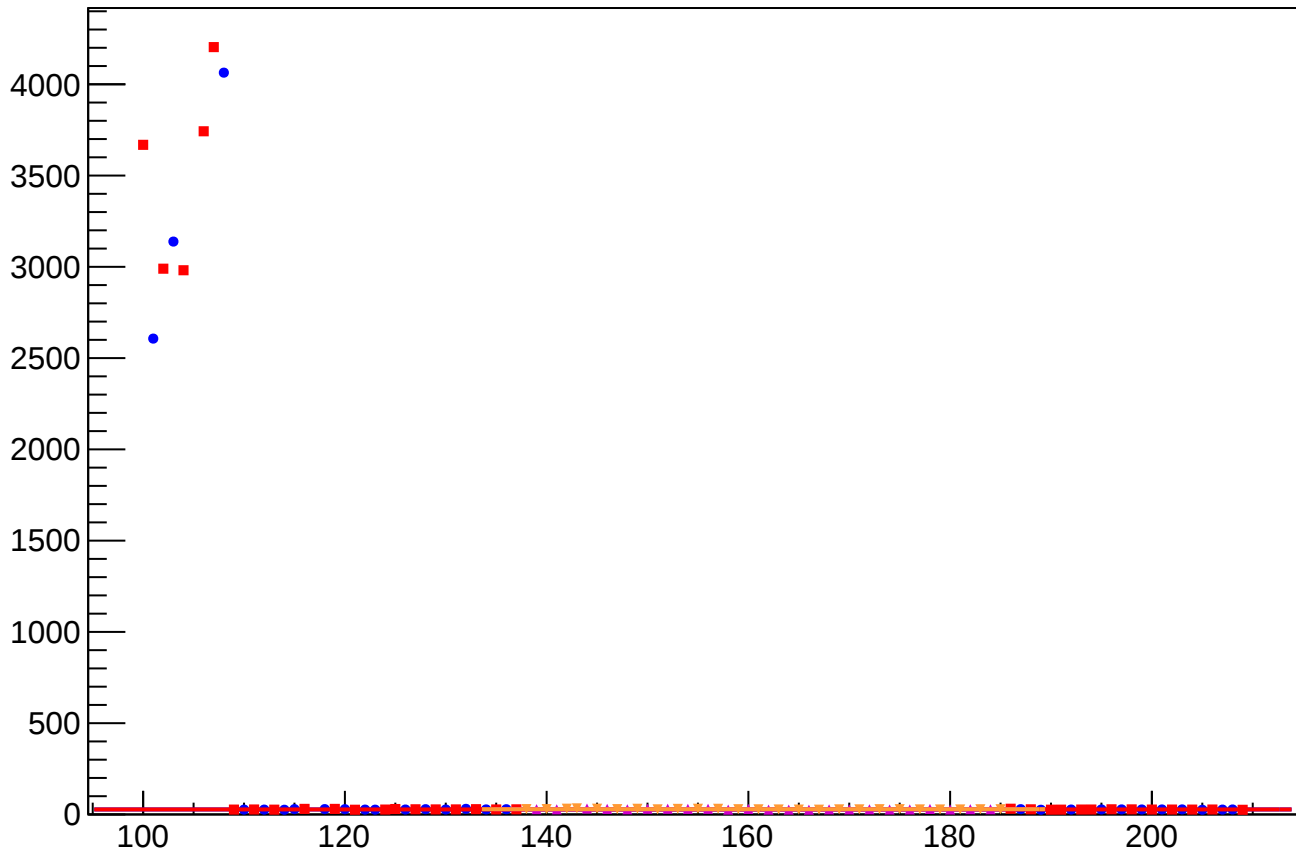
Left In: 0.498 ± 6.937 χ^2/NDF : 26.1/22

+ sign -9.743 ± 5.046 χ^2/NDF : 52.5/52

All: -7.243 ± 3.571 χ^2/NDF : 110.4/107

- sign -4.734 ± 5.055 χ^2/NDF : 57.4/54

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.407 $\pm$ 0.005 χ^2 /NDF: 3046425.5/27

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.435 $\pm$ 0.005 χ^2 /NDF: 3512090.7/31

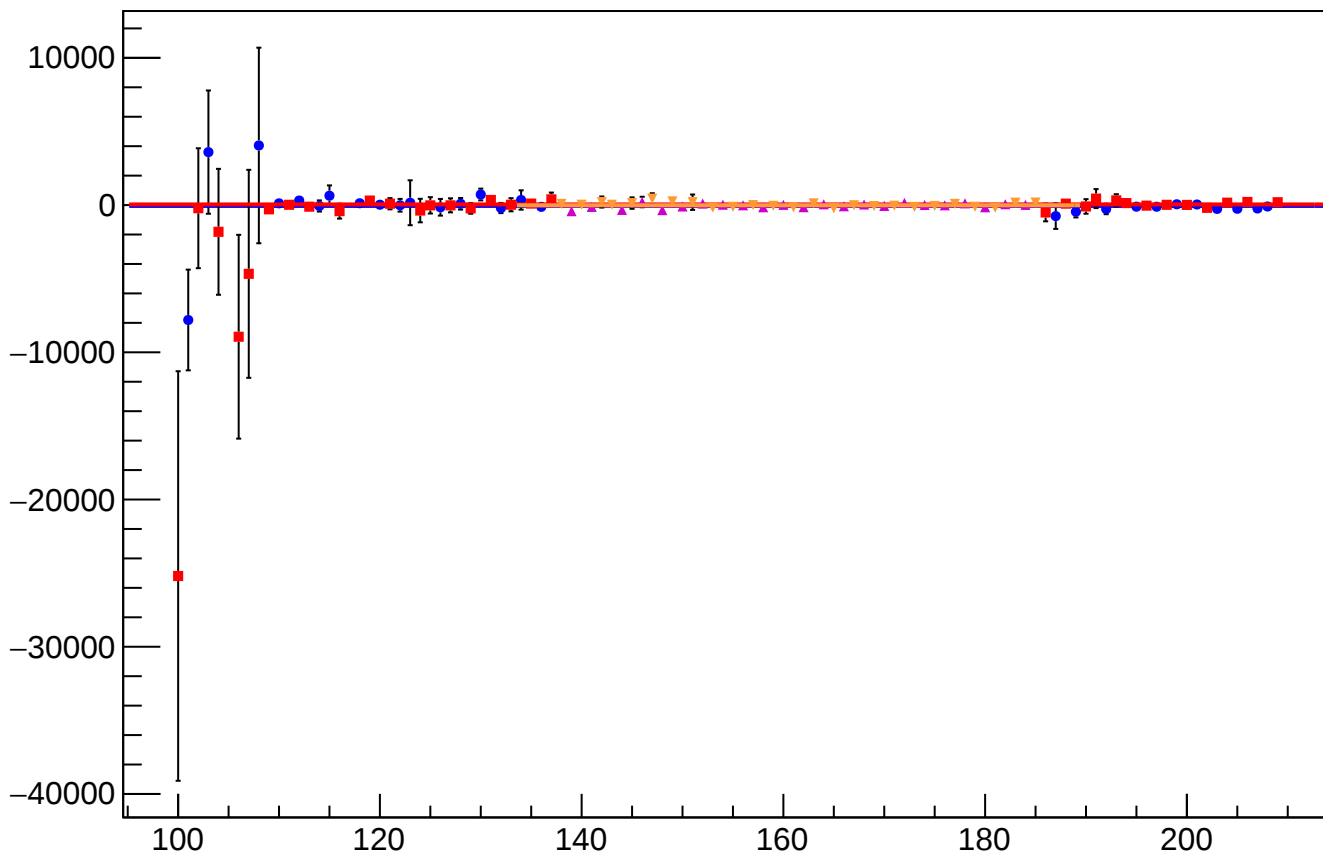
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.197 $\pm$ 0.004 χ^2 /NDF: 3206873.7/52

All: 28.178 $\pm$ 0.003 χ^2 /NDF: 6883458.3/107

- sign 28.159 $\pm$ 0.004 χ^2 /NDF: 3676525.5/54

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -57.012 ± 49.795 χ^2/NDF : 22.0/27

Left Out: -13.966 ± 48.735 χ^2/NDF : 8.1/24

Right Out: 44.023 ± 48.893 χ^2/NDF : 18.2/31

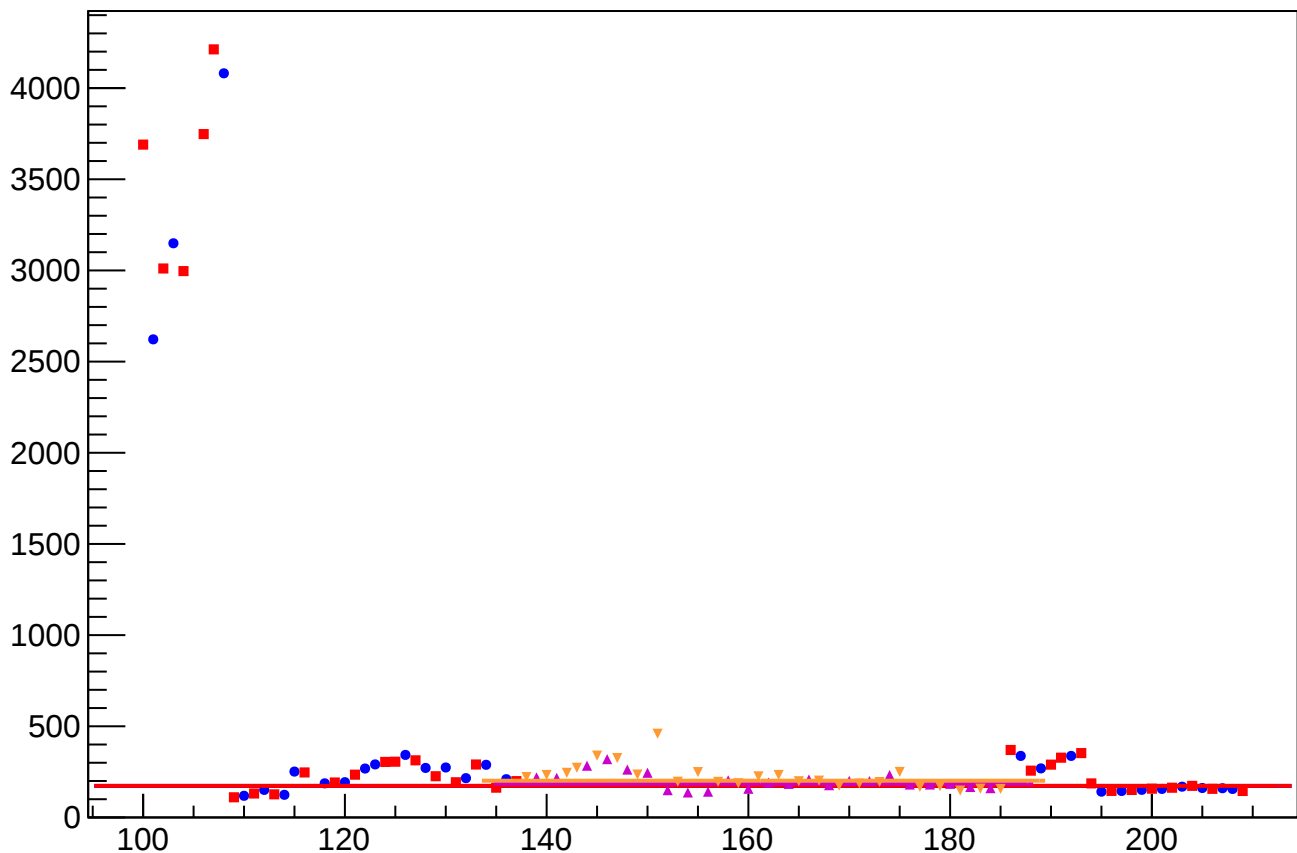
Left In: -31.477 ± 46.483 χ^2/NDF : 7.8/22

+ sign -35.026 ± 34.830 χ^2/NDF : 30.5/52

All: -14.673 ± 24.215 χ^2/NDF : 58.5/107

- sign 4.367 ± 33.688 χ^2/NDF : 27.3/54

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 172.702 $\pm$ 0.035 χ^2 /NDF: 4486983.9/27

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF:1854905.1/24

Right Out: 173.290 $\pm$ 0.035 χ^2 /NDF: 5351218.0/31

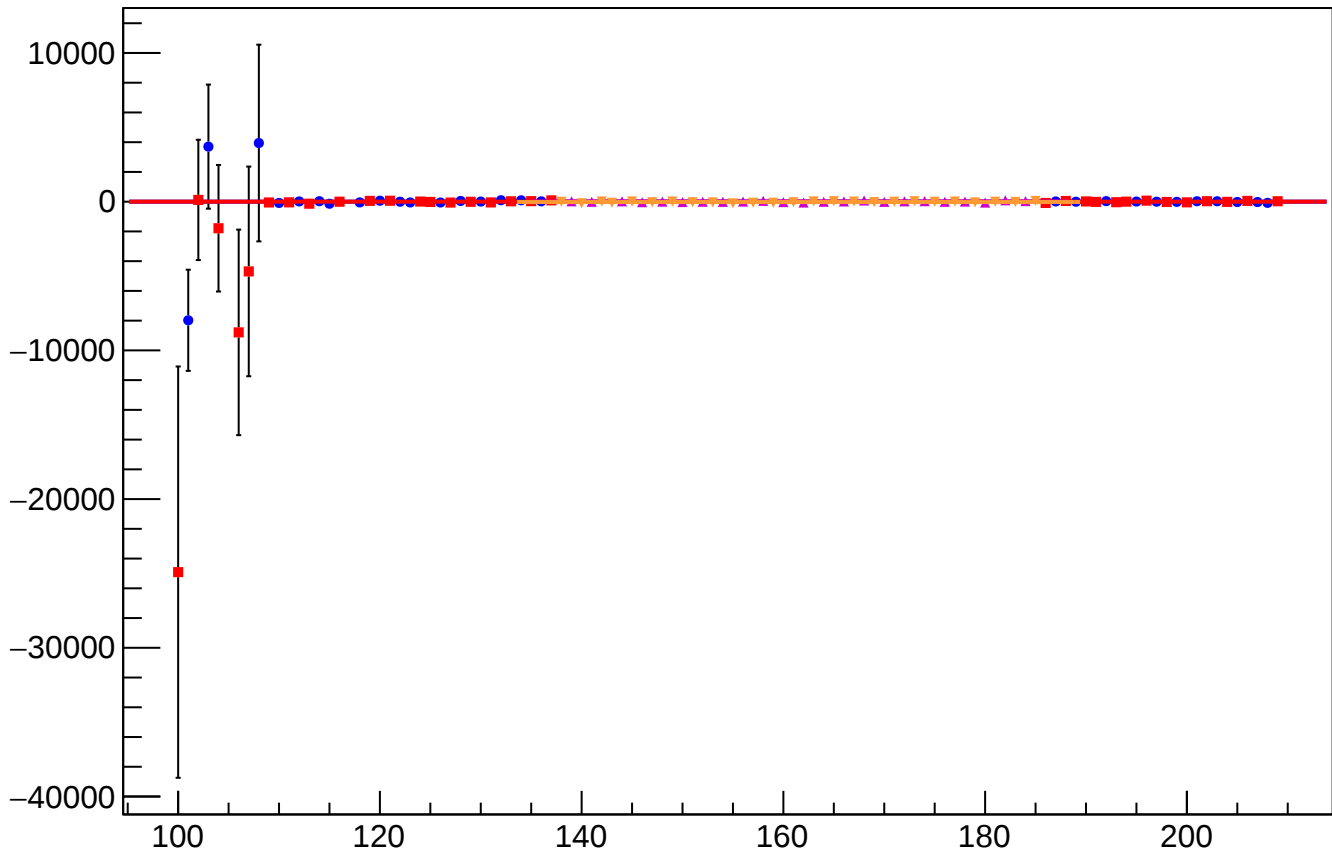
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF:1380877.6/22

+ sign 187.412 $\pm$ 0.025 χ^2 /NDF: 6683614.5/52

All: 183.532 $\pm$ 0.017 χ^2 /NDF: 13533385.3/10

- sign 179.902 $\pm$ 0.024 χ^2 /NDF: 6801730.3/54

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 1.720 ± 9.299 $\chi^2/\text{NDF}: 26.7/27$

Left Out: -24.144 ± 8.076 $\chi^2/\text{NDF}: 24.9/24$

Right Out: 0.960 ± 9.010 $\chi^2/\text{NDF}: 34.9/31$

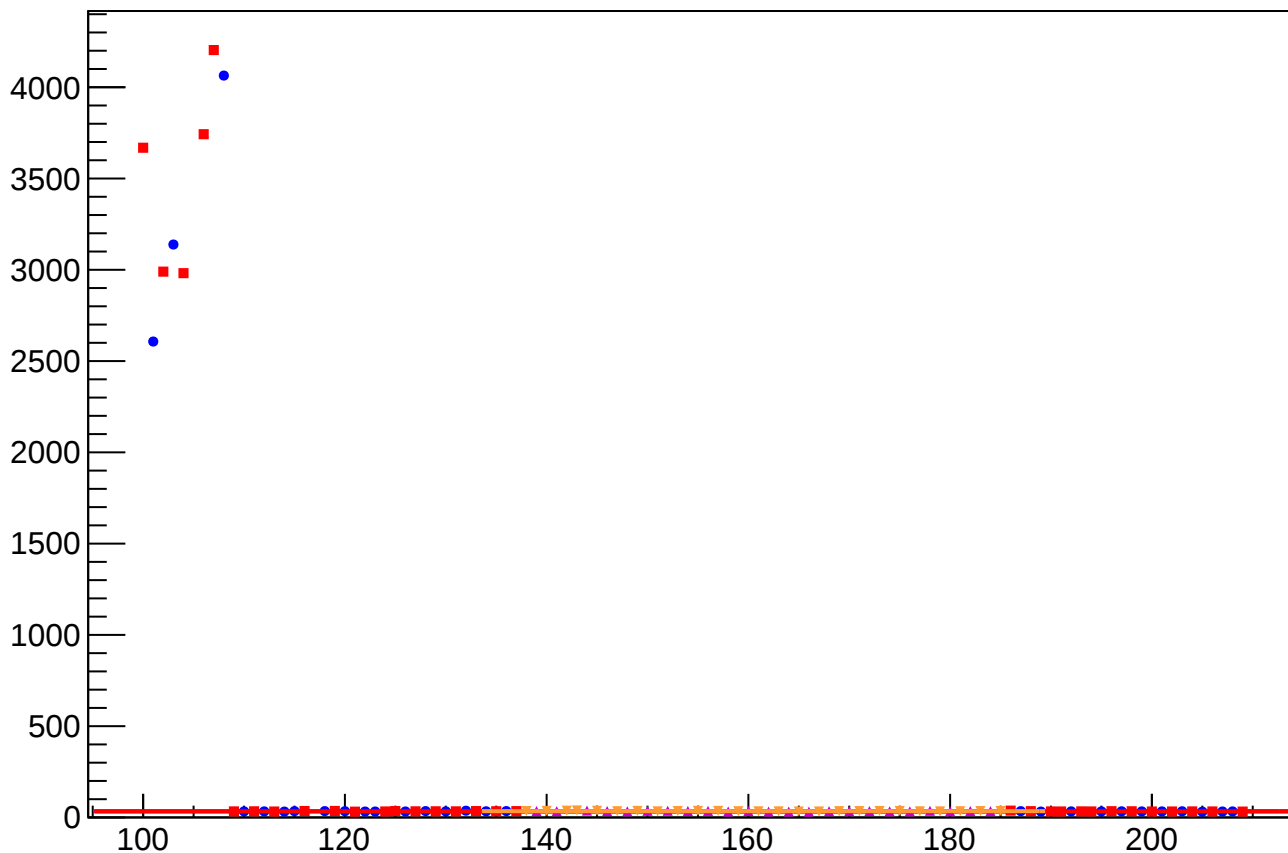
Left In: 5.924 ± 8.340 $\chi^2/\text{NDF}: 21.0/22$

+ sign -13.023 ± 6.098 $\chi^2/\text{NDF}: 56.1/52$

All: -4.726 ± 4.320 $\chi^2/\text{NDF}: 115.8/107$

- sign 3.633 ± 6.120 $\chi^2/\text{NDF}: 56.0/54$

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.463+/-0.007 χ^2/NDF : 3018812.2/27

Left Out: 34.617+/-0.006 χ^2/NDF : 57868.4/24

Right Out: 33.537+/-0.006 χ^2/NDF : 3470499.2/31

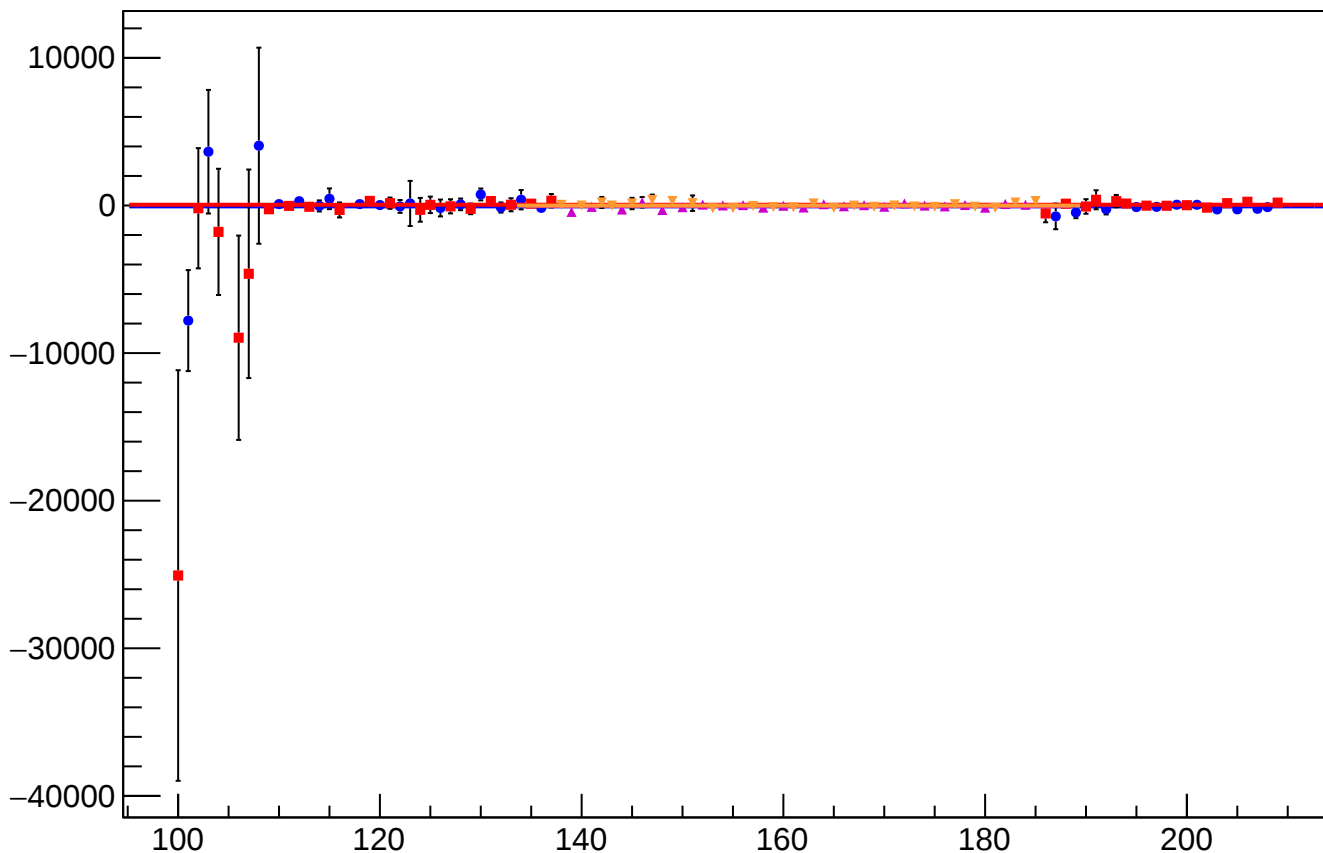
Left In: 34.682+/-0.006 χ^2/NDF : 59834.3/22

+ sign 34.121+/-0.004 χ^2/NDF : 3094246.1/52

All: 34.137+/-0.003 χ^2/NDF : 6641981.8/107

- sign 34.154+/-0.004 χ^2/NDF : 3547707.3/54

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -61.280 ± 49.649 χ^2/NDF : 21.6/27

Left Out: -7.558 ± 48.662 χ^2/NDF : 8.8/24

Right Out: 49.843 ± 48.703 χ^2/NDF : 17.0/31

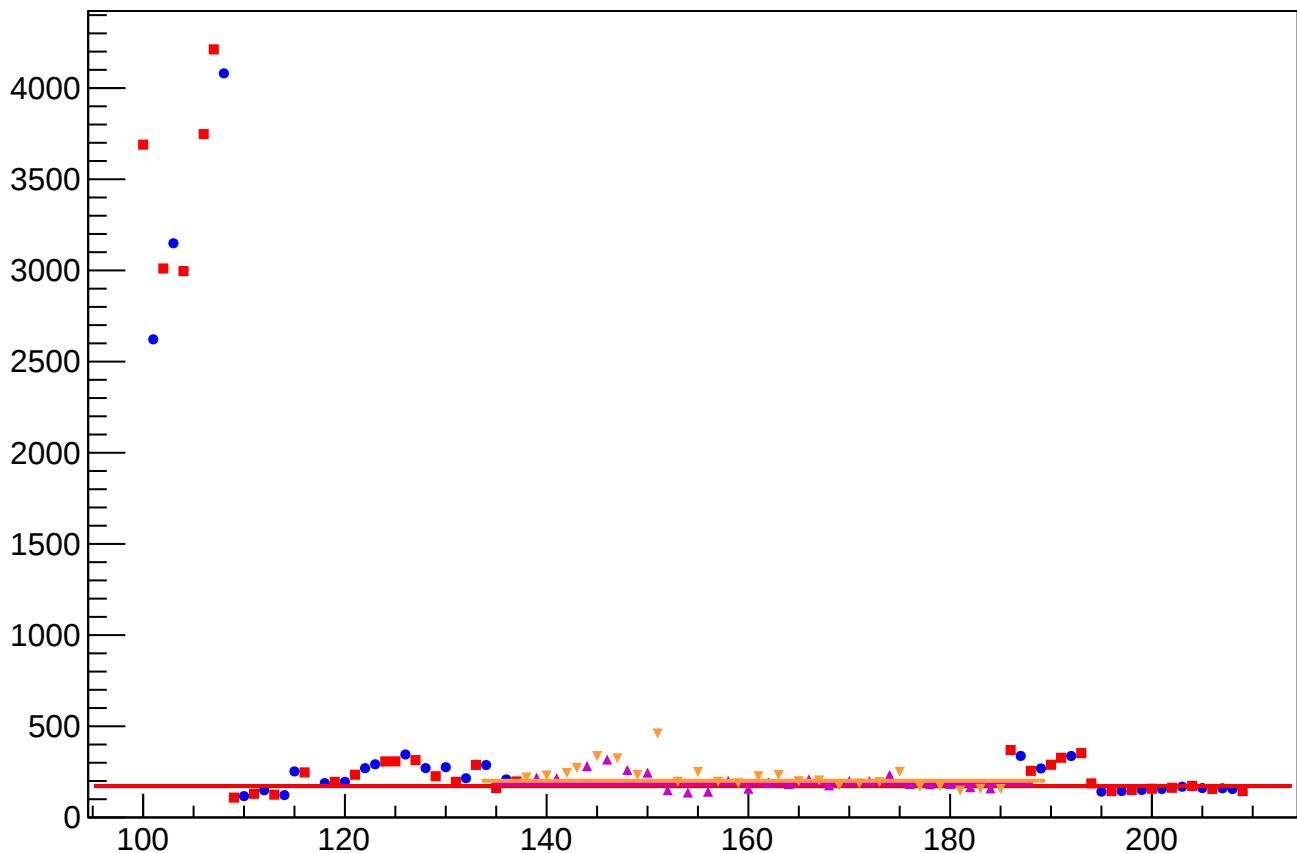
Left In: -34.977 ± 46.421 χ^2/NDF : 7.1/22

+ sign -33.880 ± 34.753 χ^2/NDF : 31.0/52

All: -13.580 ± 24.157 χ^2/NDF : 57.4/107

- sign 5.399 ± 33.602 χ^2/NDF : 25.7/54

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 172.101 $\pm$ 0.035 χ^2 /NDF: 4515596.9/27

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF:1848437.4/24

Right Out: 172.447 $\pm$ 0.034 χ^2 /NDF: 5398994.8/31

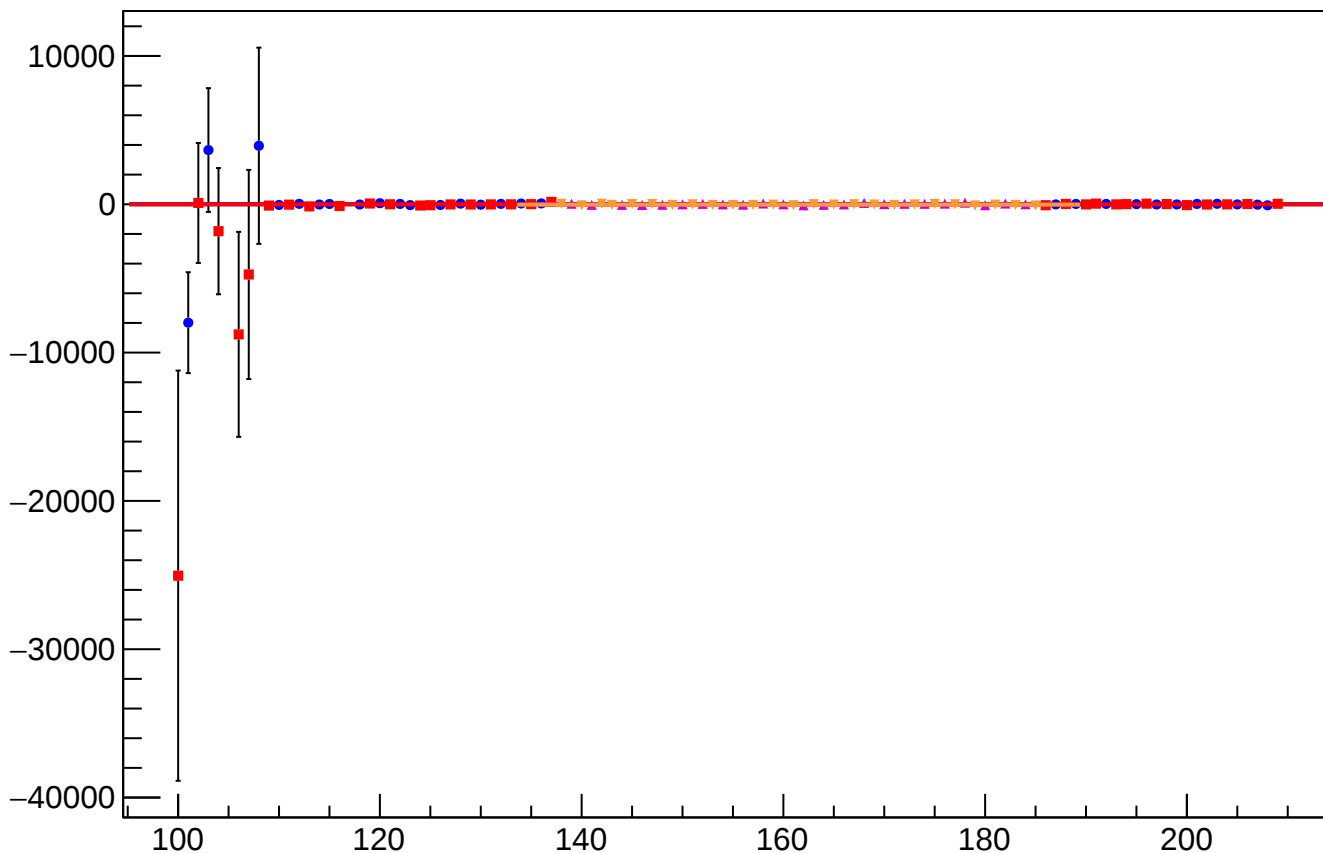
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF:1371411.2/22

+ sign 186.942 $\pm$ 0.025 χ^2 /NDF: 6714405.8/52

All: 183.020 $\pm$ 0.017 χ^2 /NDF: 13610855.1/10

- sign 179.353 $\pm$ 0.024 χ^2 /NDF: 6847164.6/54

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.106 ± 8.420 χ^2/NDF : 21.8/27

Left Out: -23.320 ± 7.352 χ^2/NDF : 18.3/24

Right Out: -5.311 ± 8.160 χ^2/NDF : 38.3/31

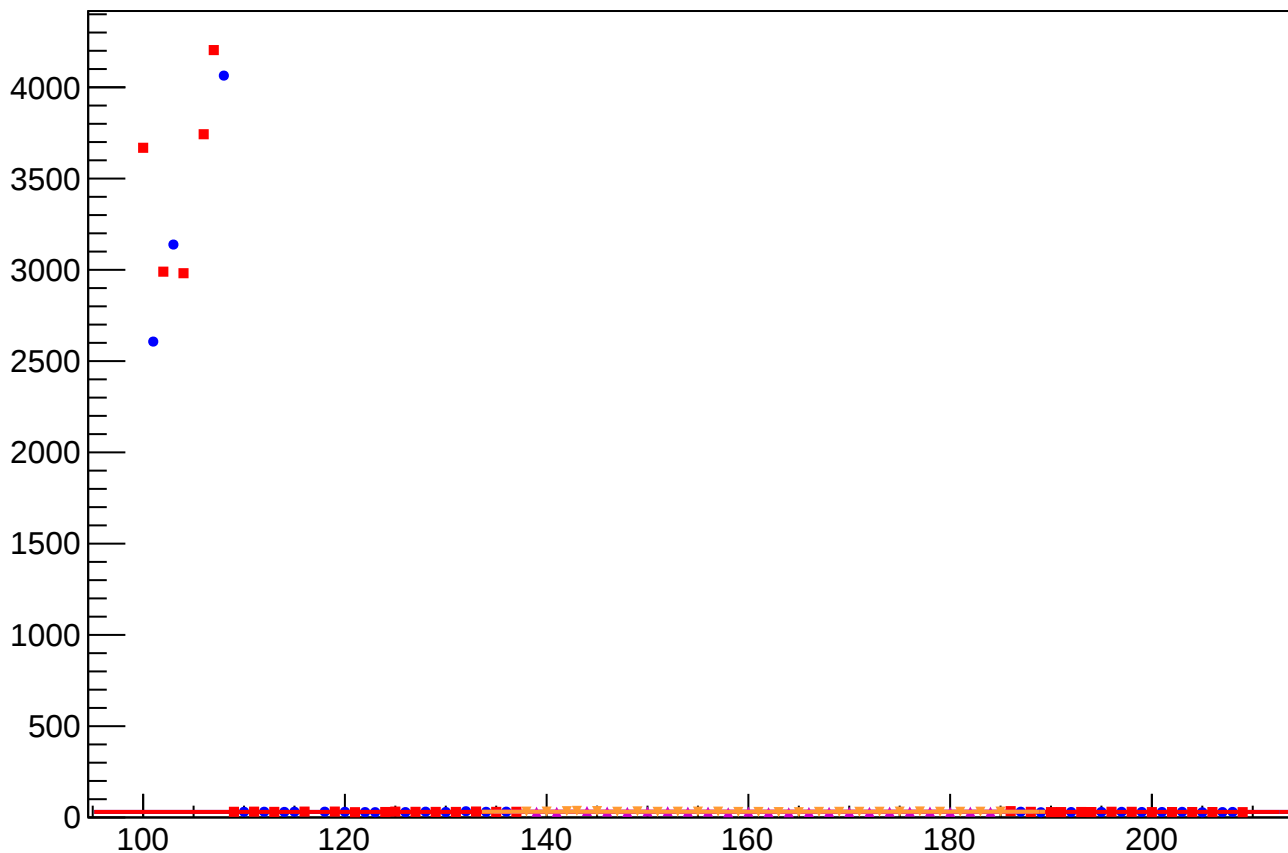
Left In: 6.386 ± 7.577 χ^2/NDF : 38.7/22

+ sign -11.023 ± 5.538 χ^2/NDF : 46.6/52

All: -5.042 ± 3.921 χ^2/NDF : 127.1/107

- sign 0.970 ± 5.552 χ^2/NDF : 78.1/54

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.289 $\pm$ 0.006 χ^2 /NDF: 3036585.6/27

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.351 $\pm$ 0.006 χ^2 /NDF: 3487140.2/31

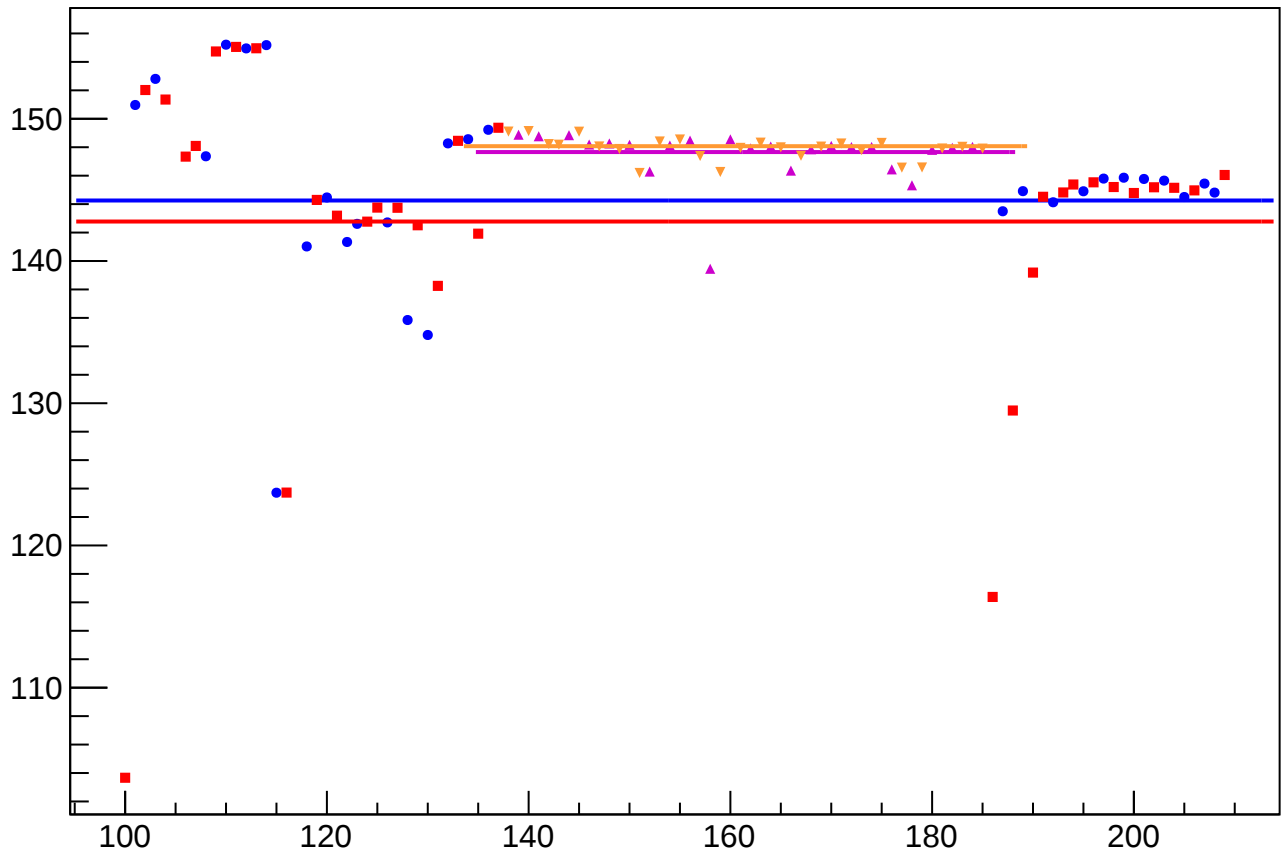
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 30.969 $\pm$ 0.004 χ^2 /NDF: 3141571.8/52

All: 30.962 $\pm$ 0.003 χ^2 /NDF: 6736921.8/107

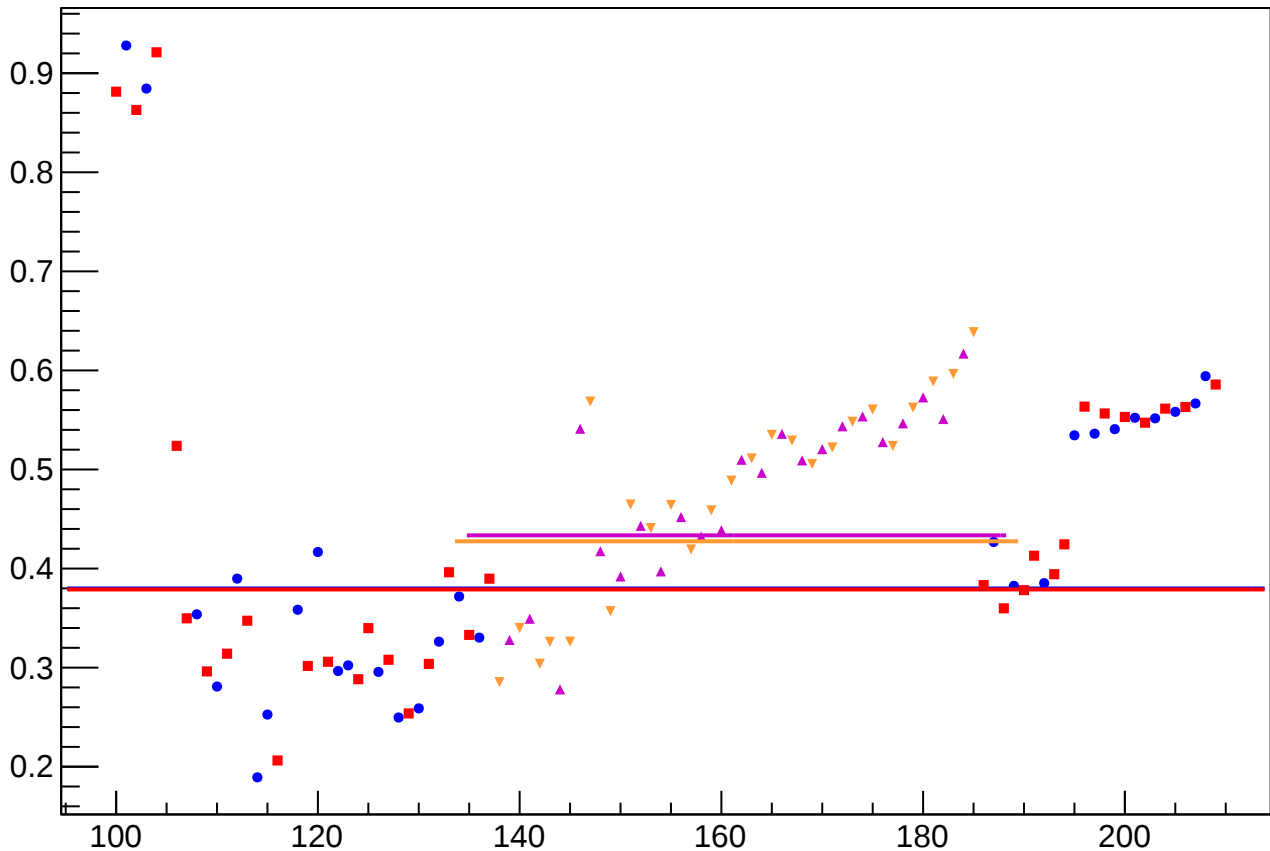
- sign 30.955 $\pm$ 0.004 χ^2 /NDF: 3595343.0/54

yield_bcm_an_ds_mean vs Slug



Right In: 144.255+/-0.000	χ^2/NDF : 3487320924.7/27	+ sign 146.250+/-0.000	χ^2/NDF : 4197869841.4/52
Left Out: 148.074+/-0.000	χ^2/NDF : 65673678.9/24	All: 145.668+/-0.000	χ^2/NDF : 13166067653.
Right Out: 142.776+/-0.000	χ^2/NDF : 7430101303.9/31	- sign 145.097+/-0.000	χ^2/NDF : 8849121348.1/54
Left In: 147.660+/-0.000	χ^2/NDF : 343892338.9/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.380 $\pm$ 0.000 χ^2 /NDF: 2881670.0/27

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1892802.8/24

Right Out: 0.379 $\pm$ 0.000 χ^2 /NDF: 2712916.8/31

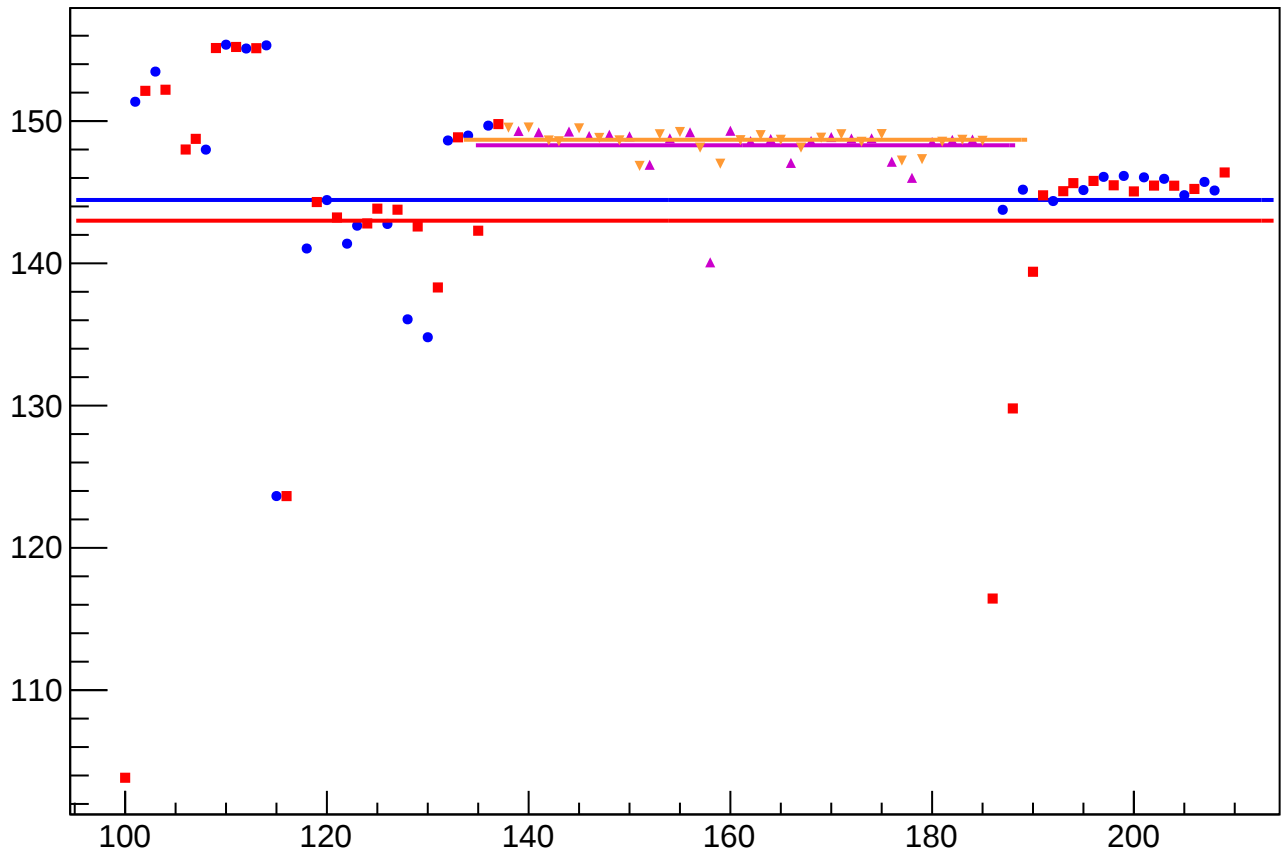
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1479367.0/22

+ sign 0.405 $\pm$ 0.000 χ^2 /NDF: 4975053.9/52

All: 0.405 $\pm$ 0.000 χ^2 /NDF: 9436032.4/107

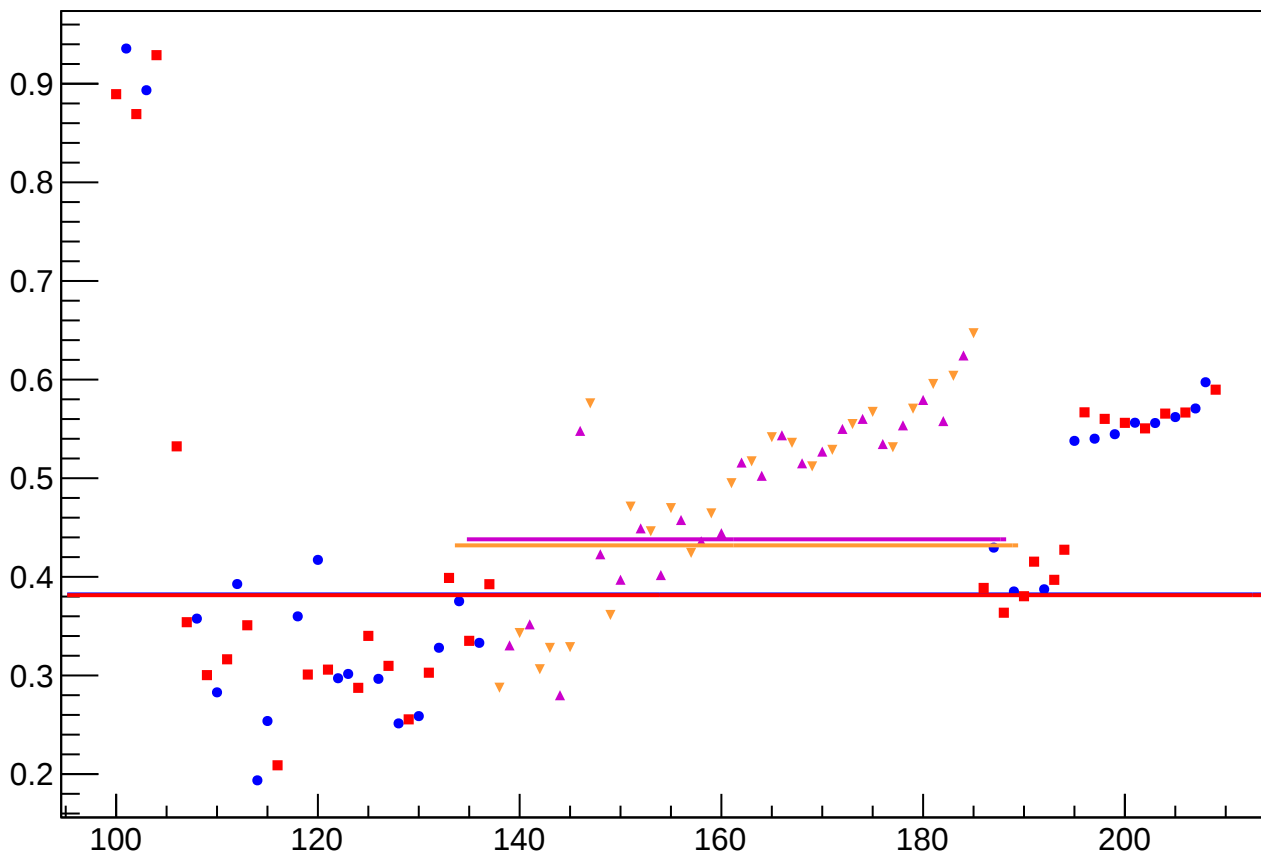
- sign 0.405 $\pm$ 0.000 χ^2 /NDF: 4460977.6/54

yield_bcm_an_ds3_mean vs Slug



Right In: 144.454+/-0.000	χ^2/NDF : 3536155640.1/27	+ sign 146.657+/-0.000	χ^2/NDF : 4367489578.3/52
Left Out: 148.687+/-0.000	χ^2/NDF : 52285197.5/24	All: 146.075+/-0.000	χ^2/NDF : 13439865030.
Right Out: 142.998+/-0.000	χ^2/NDF : 7379890152.7/31	- sign 145.505+/-0.000	χ^2/NDF : 8955833448.0/54
Left In: 148.298+/-0.000	χ^2/NDF : 332527463.6/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 2889366.3/27

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1924979.0/24

Right Out: 0.381 $\pm$ 0.000 χ^2 /NDF: 2716977.2/31

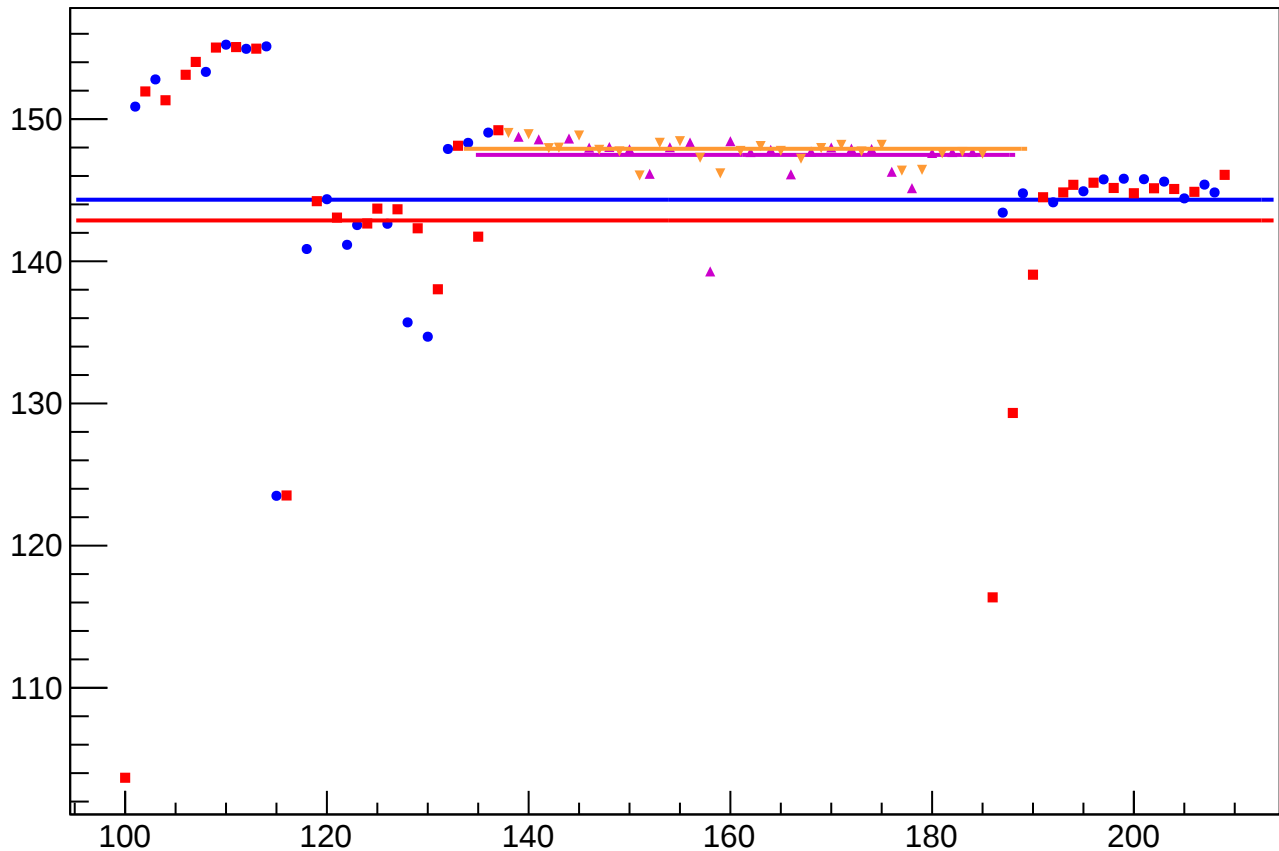
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

+ sign 0.408 $\pm$ 0.000 χ^2 /NDF: 5029667.5/52

All: 0.408 $\pm$ 0.000 χ^2 /NDF: 9535335.1/107

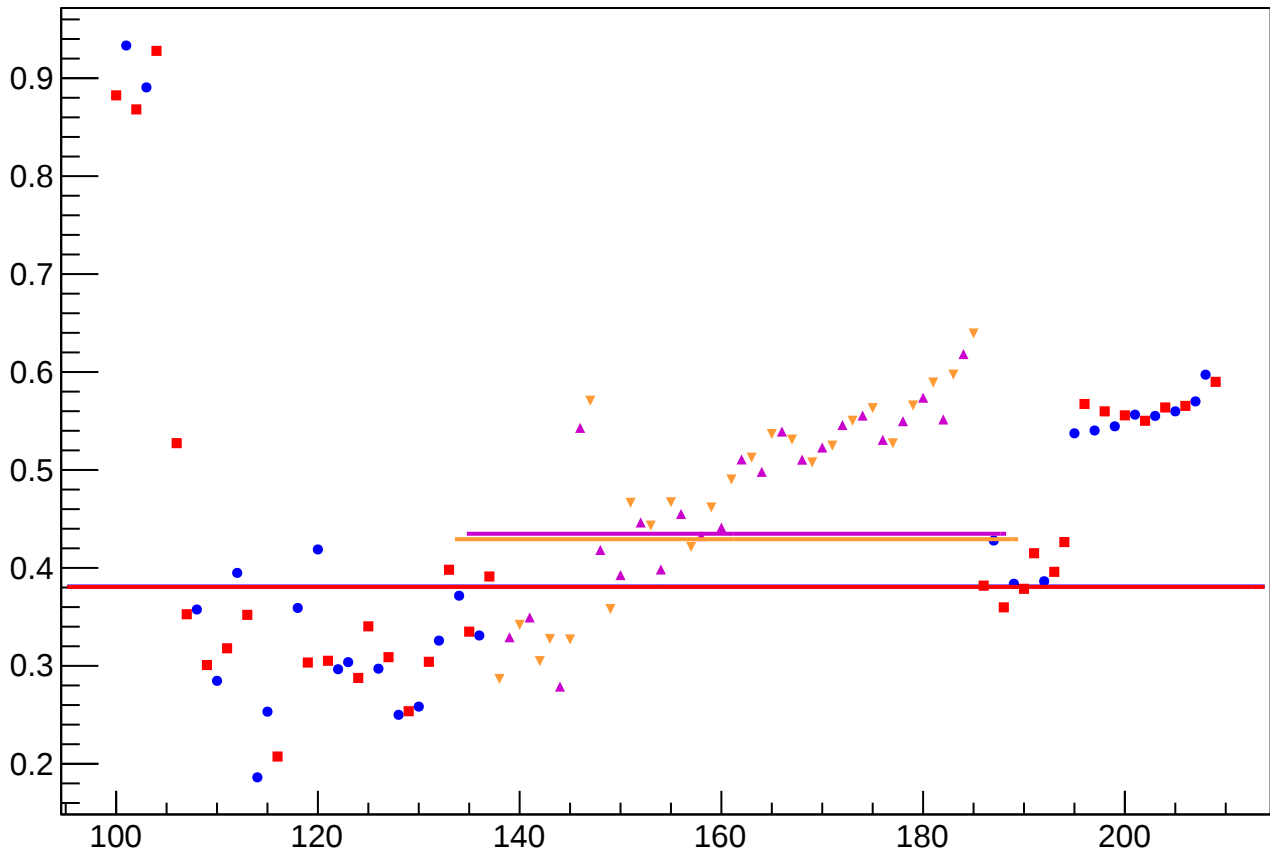
- sign 0.408 $\pm$ 0.000 χ^2 /NDF: 4505662.8/54

yield_bcm_an_us_mean vs Slug



Right In: 144.331+/-0.000	χ^2/NDF : 3693273946.5/27	+ sign 146.202+/-0.000	χ^2/NDF : 4320270910.3/52
Left Out: 147.912+/-0.000	χ^2/NDF : 64463426.1/24	All: 145.628+/-0.000	χ^2/NDF : 13534265527.
Right Out: 142.872+/-0.000	χ^2/NDF : 7805974755.5/31	- sign 145.066+/-0.000	χ^2/NDF : 9099568263.0/54
Left In: 147.483+/-0.000	χ^2/NDF : 342674720.4/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.381 $\pm$ 0.000 χ^2 /NDF: 2915699.0/27

Left Out: 0.429 $\pm$ 0.000 χ^2 /NDF:1891709.3/24

Right Out: 0.381 $\pm$ 0.000 χ^2 /NDF: 2719209.4/31

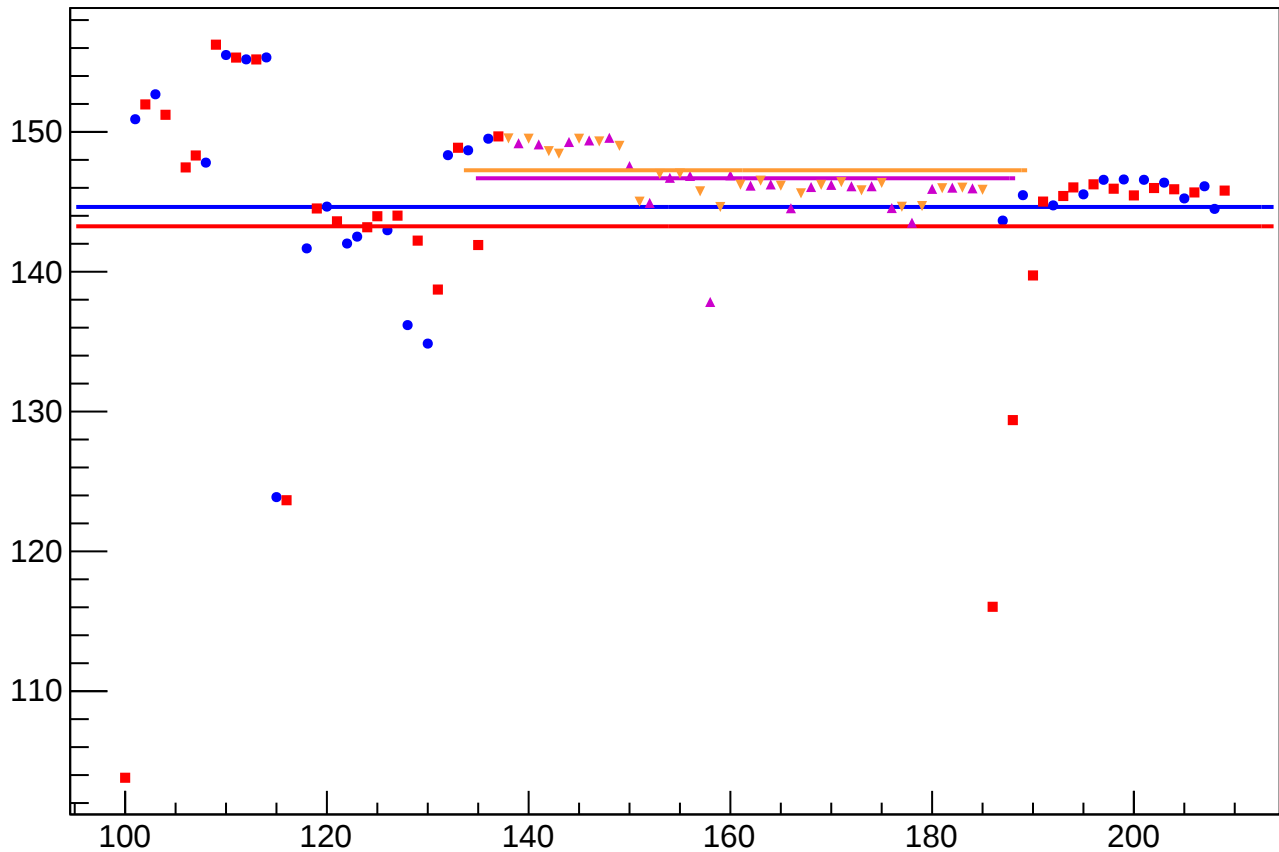
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.406 $\pm$ 0.000 χ^2 /NDF: 5012064.0/52

All: 0.406 $\pm$ 0.000 χ^2 /NDF: 9480450.5/107

- sign 0.406 $\pm$ 0.000 χ^2 /NDF: 4468379.1/54

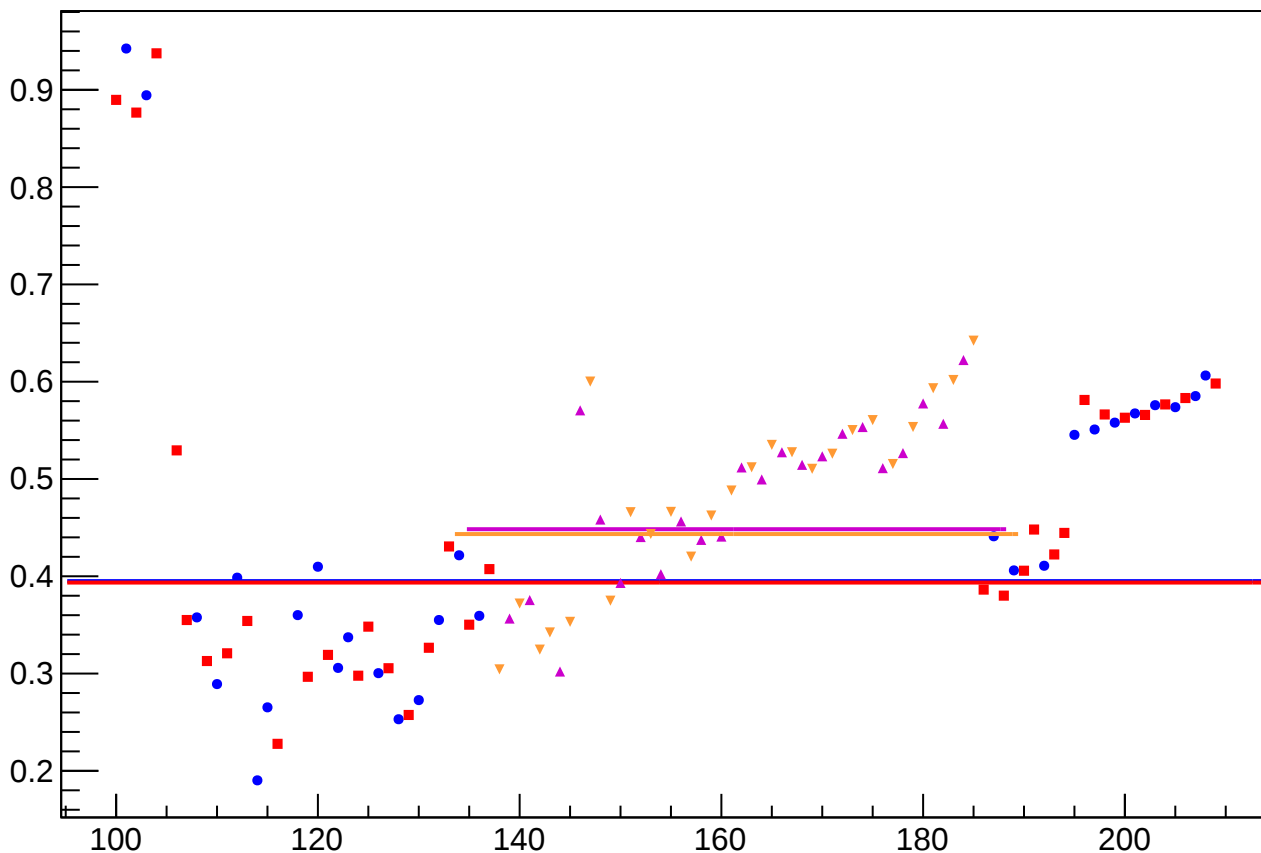
yield_bcm_dg_us_mean vs Slug



Right In: 144.634 $\pm$ 0.000 χ^2/NDF : 3219145833.8/27
 Left Out: 147.257 $\pm$ 0.000 χ^2/NDF : 261906278.3/24
 Right Out: 143.249 $\pm$ 0.000 χ^2/NDF : 7134983150.6/31
 Left In: 146.685 $\pm$ 0.000 χ^2/NDF : 554922388.0/22

+ sign 146.016 $\pm$ 0.000 χ^2/NDF : 3764309859.9/52
 All: 145.451 $\pm$ 0.000 χ^2/NDF : 12055869620.
 - sign 144.899 $\pm$ 0.000 χ^2/NDF : 8187425018.2/54

yield_bcm_dg_us_rms vs Slug



Right In: 0.395 $\pm$ 0.000 χ^2 /NDF: 2834911.0/27

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.394 $\pm$ 0.000 χ^2 /NDF: 2643744.1/31

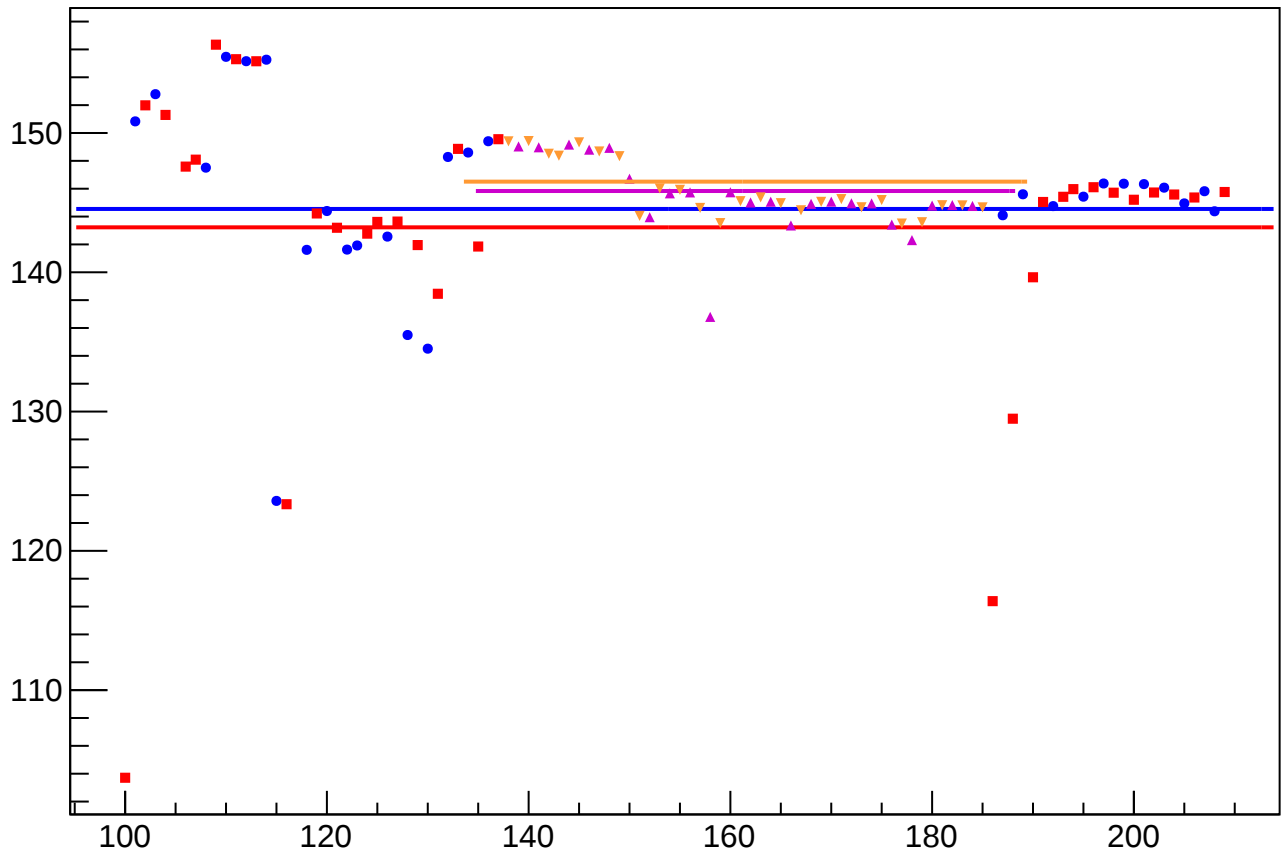
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.420 $\pm$ 0.000 χ^2 /NDF: 4507847.1/52

All: 0.420 $\pm$ 0.000 χ^2 /NDF: 8525527.9/107

- sign 0.420 $\pm$ 0.000 χ^2 /NDF: 4017614.9/54

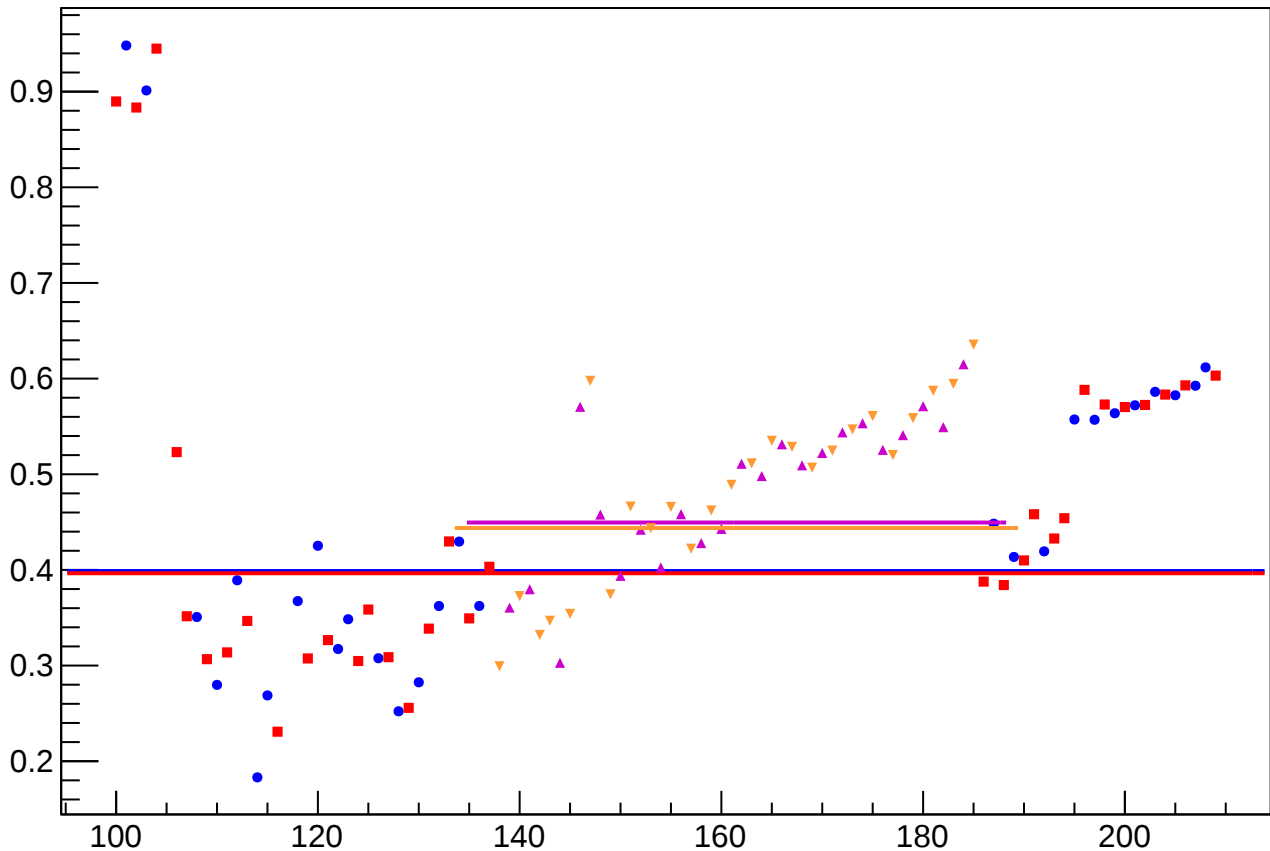
yield_bcm_dg_ds_mean vs Slug



Right In: 144.547 ± 0.000 $\chi^2/\text{NDF}: 3328951922.7/27$
 Left Out: 146.508 ± 0.000 $\chi^2/\text{NDF}: 401248837.9/24$
 Right Out: 143.227 ± 0.000 $\chi^2/\text{NDF}: 7088422074.4/31$
 Left In: 145.834 ± 0.000 $\chi^2/\text{NDF}: 690172810.0/22$

+ sign 145.590 ± 0.000 $\chi^2/\text{NDF}: 3886412117.8/52$
 All: 145.032 ± 0.000 $\chi^2/\text{NDF}: 12048551530.$
 - sign 144.487 ± 0.000 $\chi^2/\text{NDF}: 8061845803.9/54$

yield_bcm_dg_ds_rms vs Slug



Right In: 0.399 ± 0.000 χ^2/NDF : 2883886.5/27

Left Out: 0.444 ± 0.000 χ^2/NDF : 1460383.7/24

Right Out: 0.397 ± 0.000 χ^2/NDF : 2676655.2/31

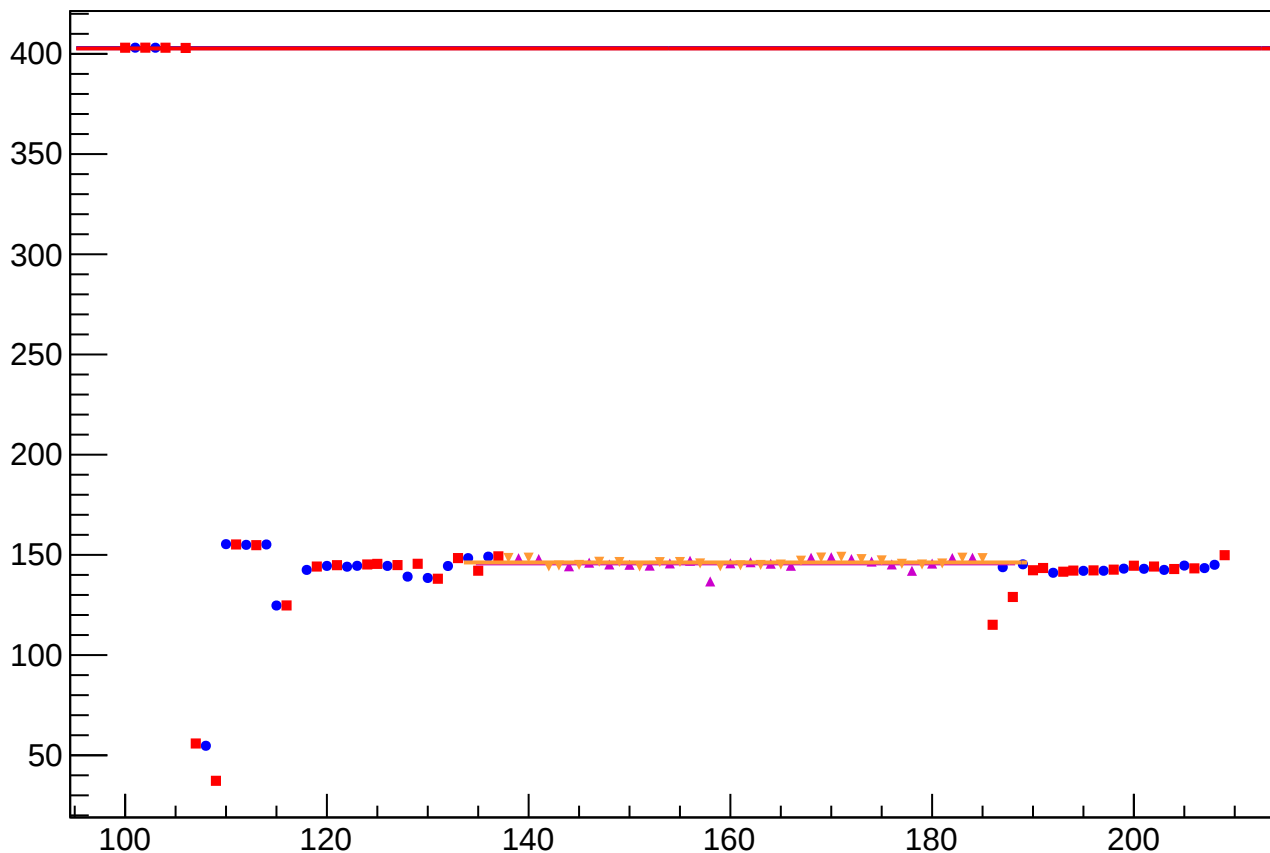
Left In: 0.450 ± 0.000 χ^2/NDF : 1092776.5/22

+ sign 0.423 ± 0.000 χ^2/NDF : 4508578.8/52

All: 0.422 ± 0.000 χ^2/NDF : 8512331.3/107

- sign 0.422 ± 0.000 χ^2/NDF : 4003692.1/54

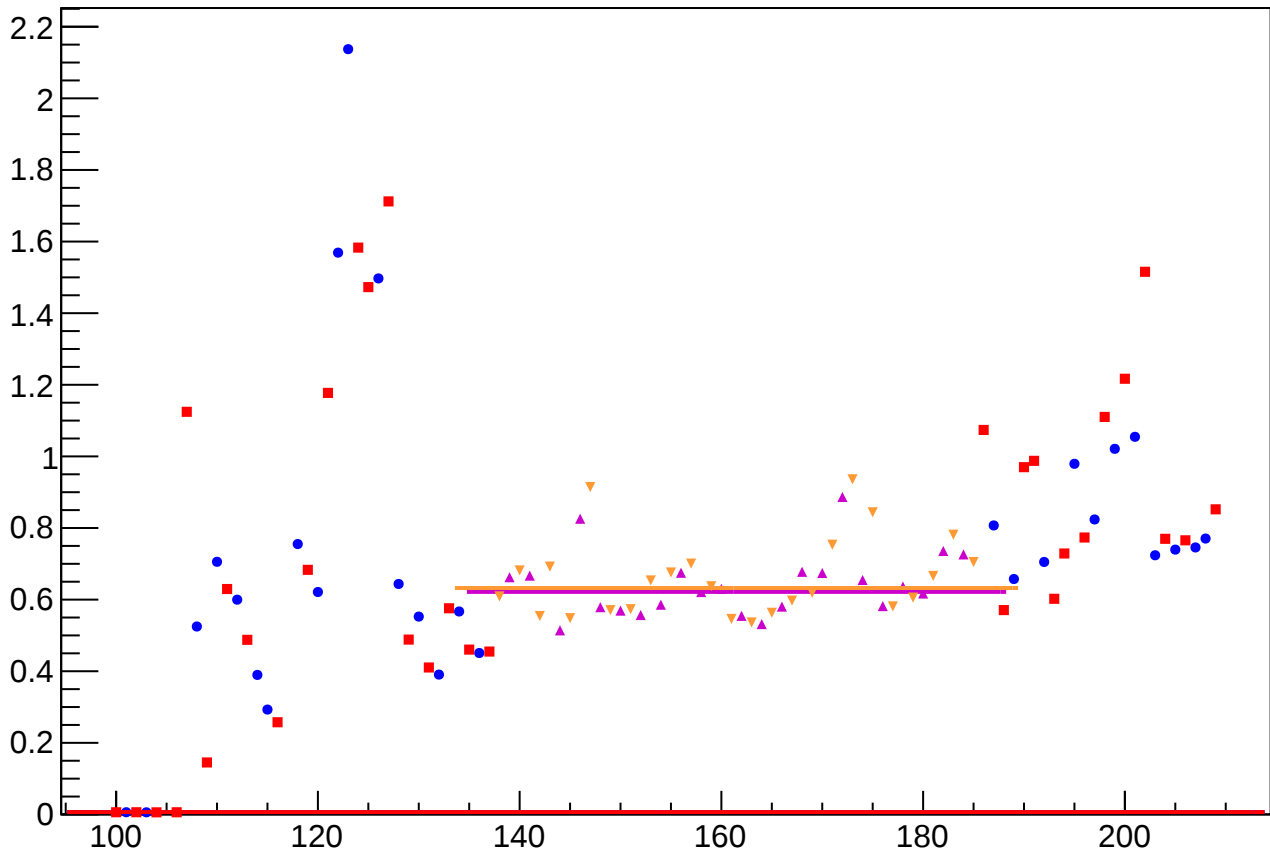
yield_cav4bQ_mean vs Slug



Right In: 402.876+/-0.000 χ^2/NDF : 1752170815469.0/27
 Left Out: 146.216+/-0.000 χ^2/NDF : 86042286.3/24
 Right Out: 402.711+/-0.000 χ^2/NDF : 3912679388140.8/31
 Left In: 145.755+/-0.000 χ^2/NDF : 206171532.0/22

+ sign 402.581+/-0.000 χ^2/NDF : 4111976246547.7
 All: 402.514+/-0.000 χ^2/NDF : 103530433175
 - sign 402.455+/-0.000 χ^2/NDF : 6240801562289.8

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 21339507.9/27

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 23645477.4/31

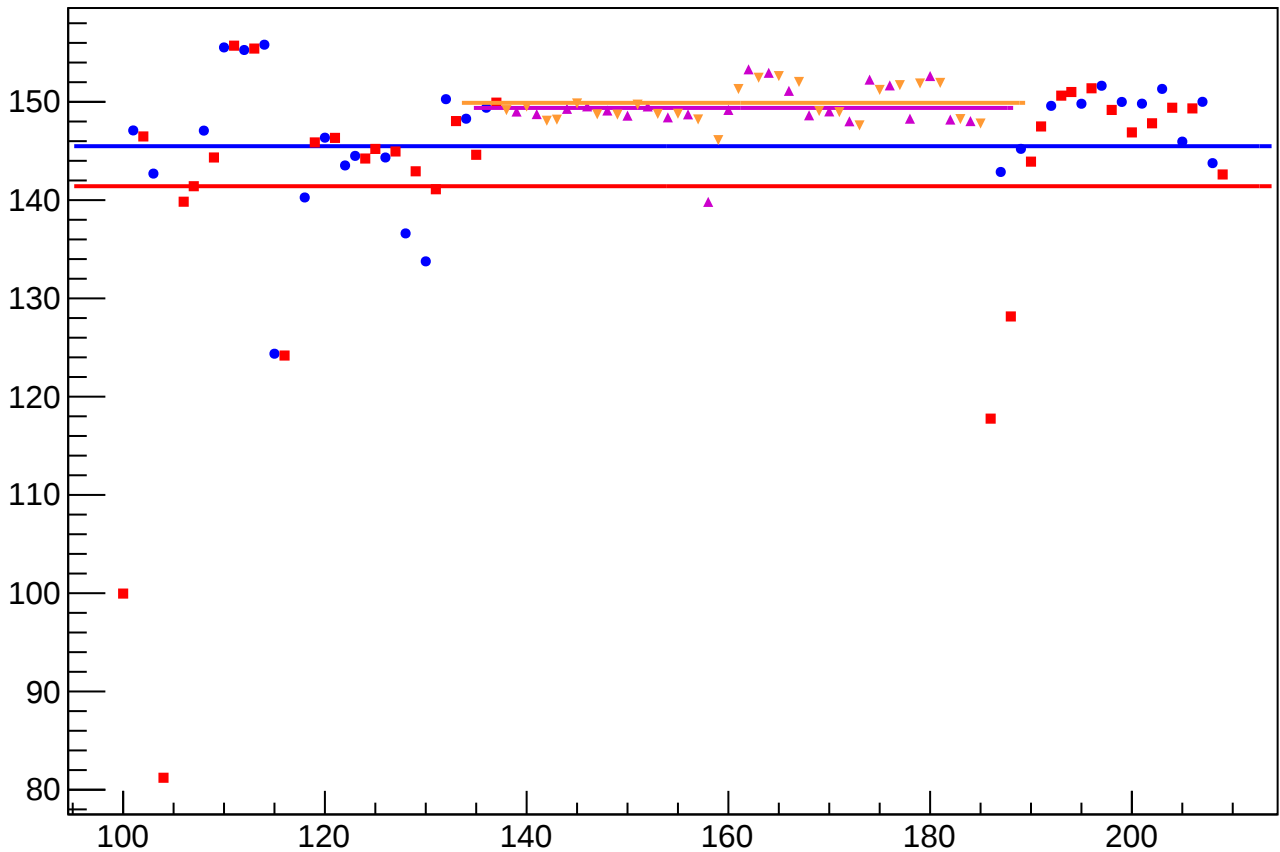
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 50012557.9/52

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 100730841.8/107

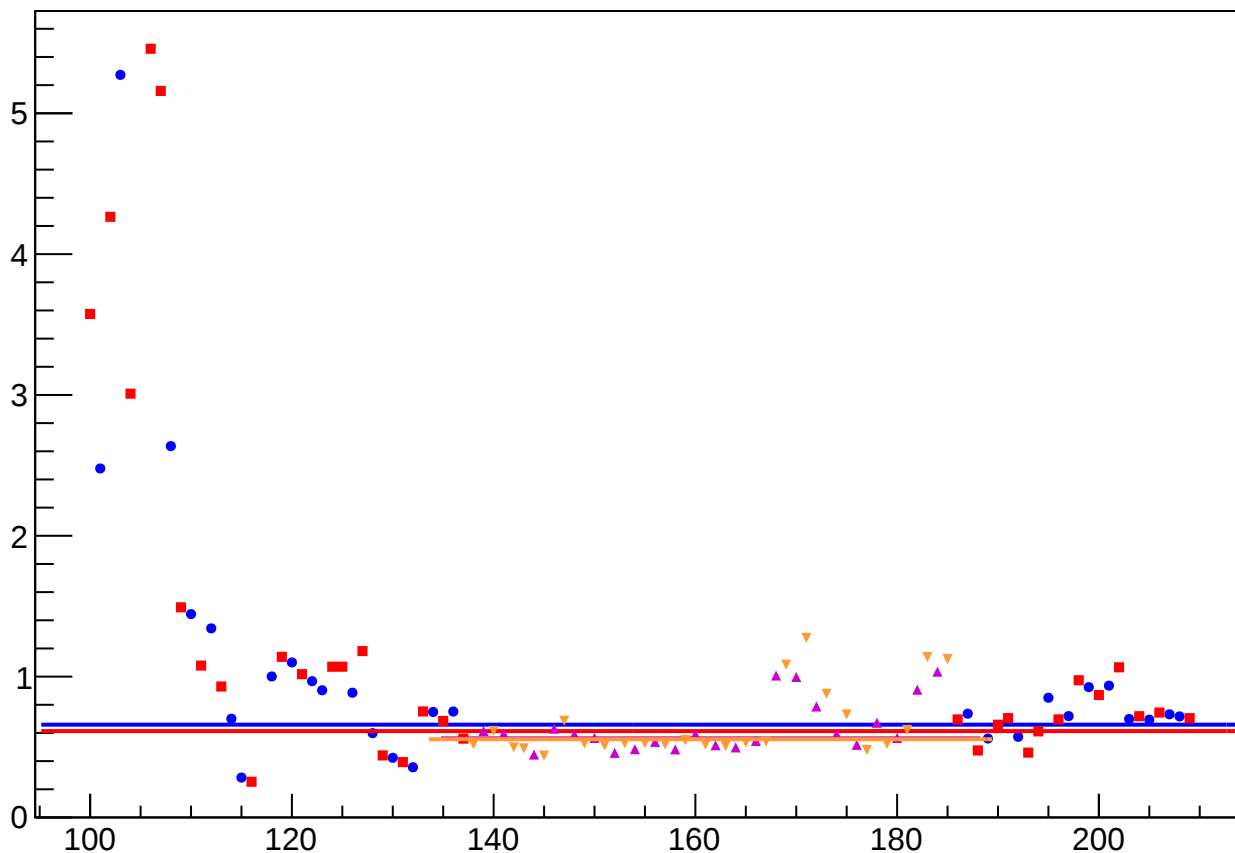
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 50717897.1/54

yield_cav4cQ_mean vs Slug



Right In: 145.488 $\pm$ 0.000 χ^2 /NDF: 1331995660.9/27
 Left Out: 149.900 $\pm$ 0.000 χ^2 /NDF: 162845622.6/24
 Right Out: 141.416 $\pm$ 0.000 χ^2 /NDF: 3249331236.3/31
 Left In: 149.382 $\pm$ 0.000 χ^2 /NDF: 434657827.5/22
 All: 147.477 $\pm$ 0.000 χ^2 /NDF: 6756808903.8
 + sign 148.543 $\pm$ 0.000 χ^2 /NDF: 1798625926.6/52
 - sign 146.436 $\pm$ 0.000 χ^2 /NDF: 4793567098.1/54

yield_cav4cQ_rms vs Slug



Right In: 0.659 $\pm$ 0.000 χ^2 /NDF: 4014849.5/27

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773688.1/24

Right Out: 0.613 $\pm$ 0.000 χ^2 /NDF: 5568130.7/31

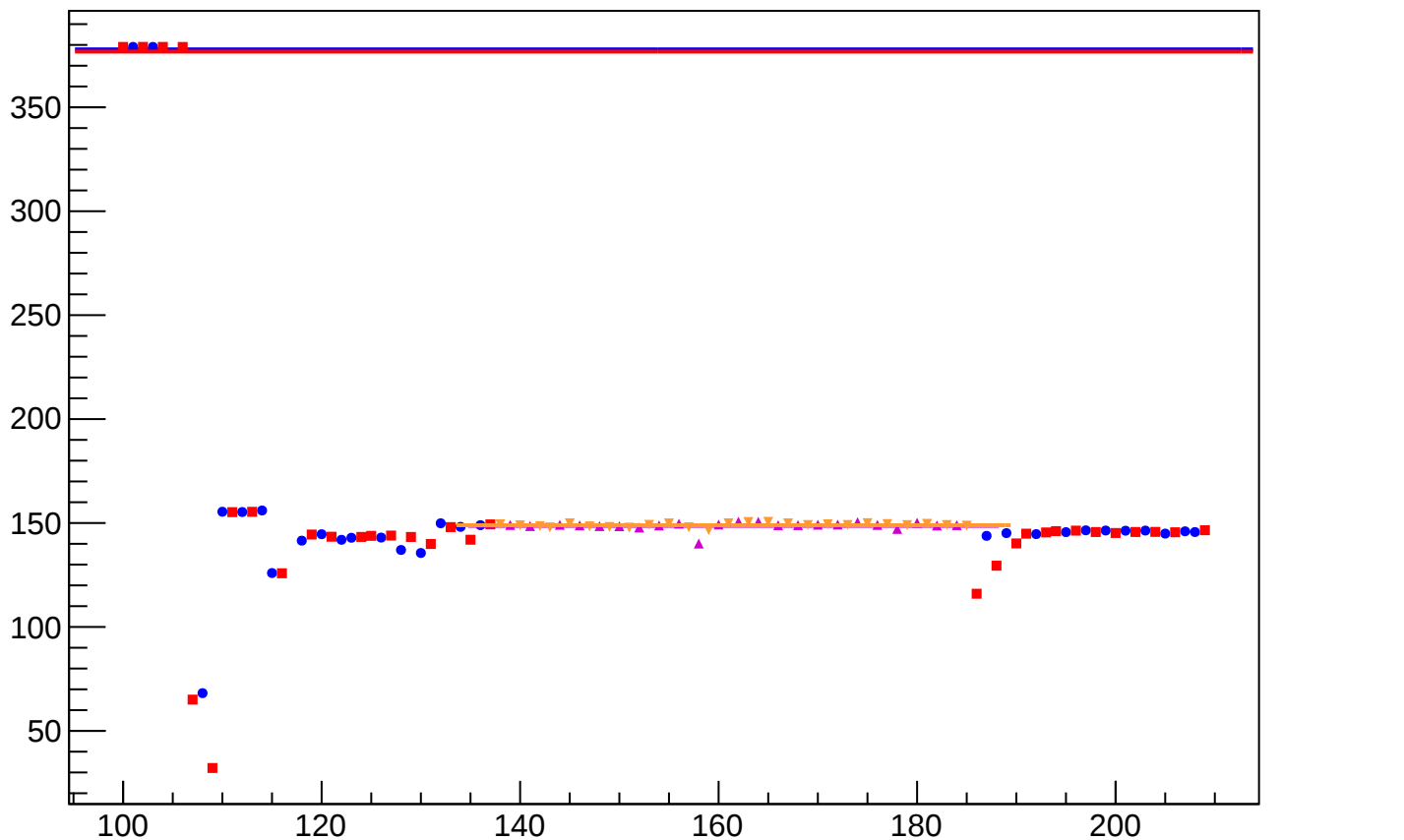
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1305573.4/22

+ sign 0.587 $\pm$ 0.000 χ^2 /NDF: 6122130.8/52

All: 0.584 $\pm$ 0.000 χ^2 /NDF: 13091539.5/107

- sign 0.581 $\pm$ 0.000 χ^2 /NDF: 6966287.1/54

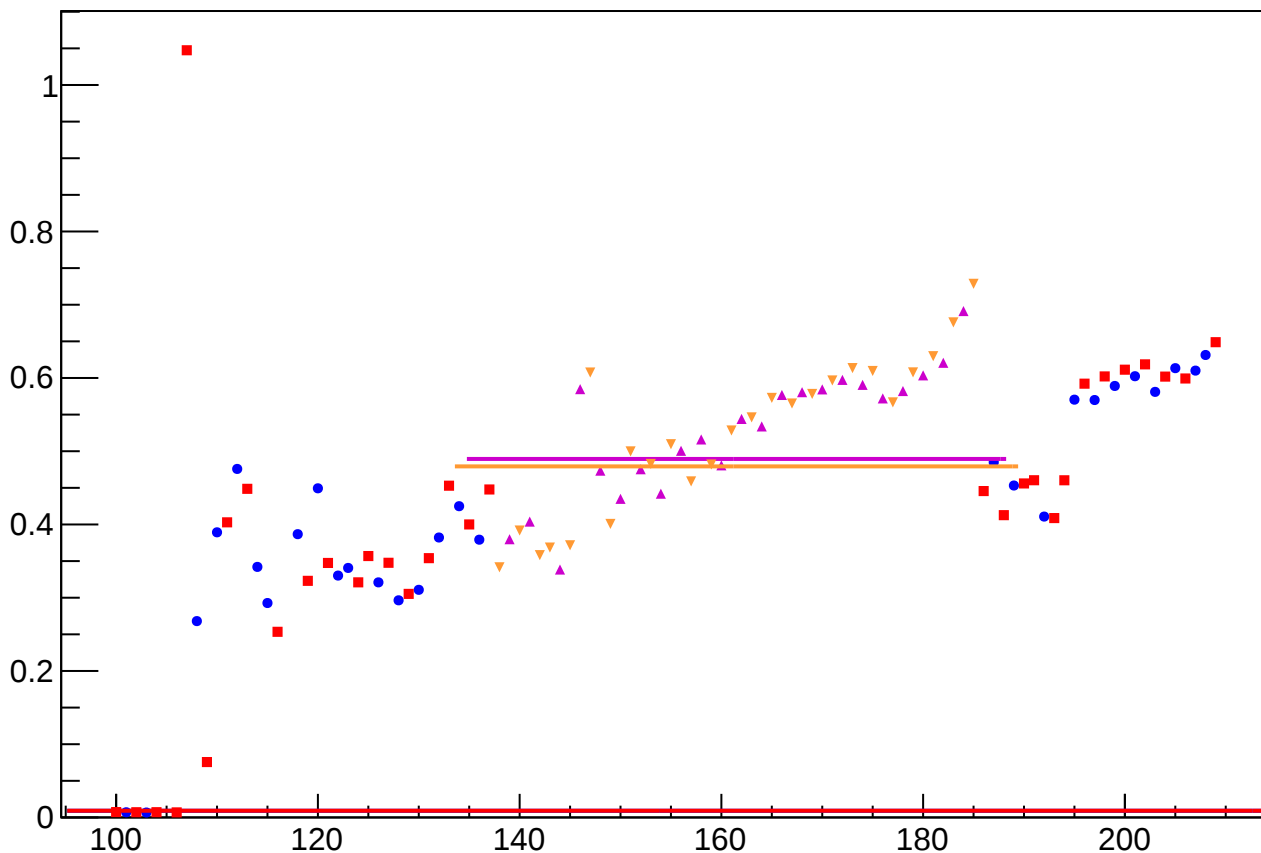
yield_cav4dQ_mean vs Slug



Right In: 377.854 ± 0.000 $\chi^2/NDF: 3835978443304.9/27$
 Left Out: 148.944 ± 0.000 $\chi^2/NDF: 63976941.3/24$
 Right Out: 376.799 ± 0.000 $\chi^2/NDF: 10038362301337.4/31$
 Left In: 148.672 ± 0.000 $\chi^2/NDF: 252846428.3/22$

+ sign 376.579 ± 0.000 $\chi^2/NDF: 7728625066057.9$
 All: 376.153 ± 0.000 $\chi^2/NDF: 213153652474$
 - sign 375.778 ± 0.000 $\chi^2/NDF: 13582156376672.8$

yield_cav4dQ_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 24237239.5/27

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1516566.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 25924383.9/31

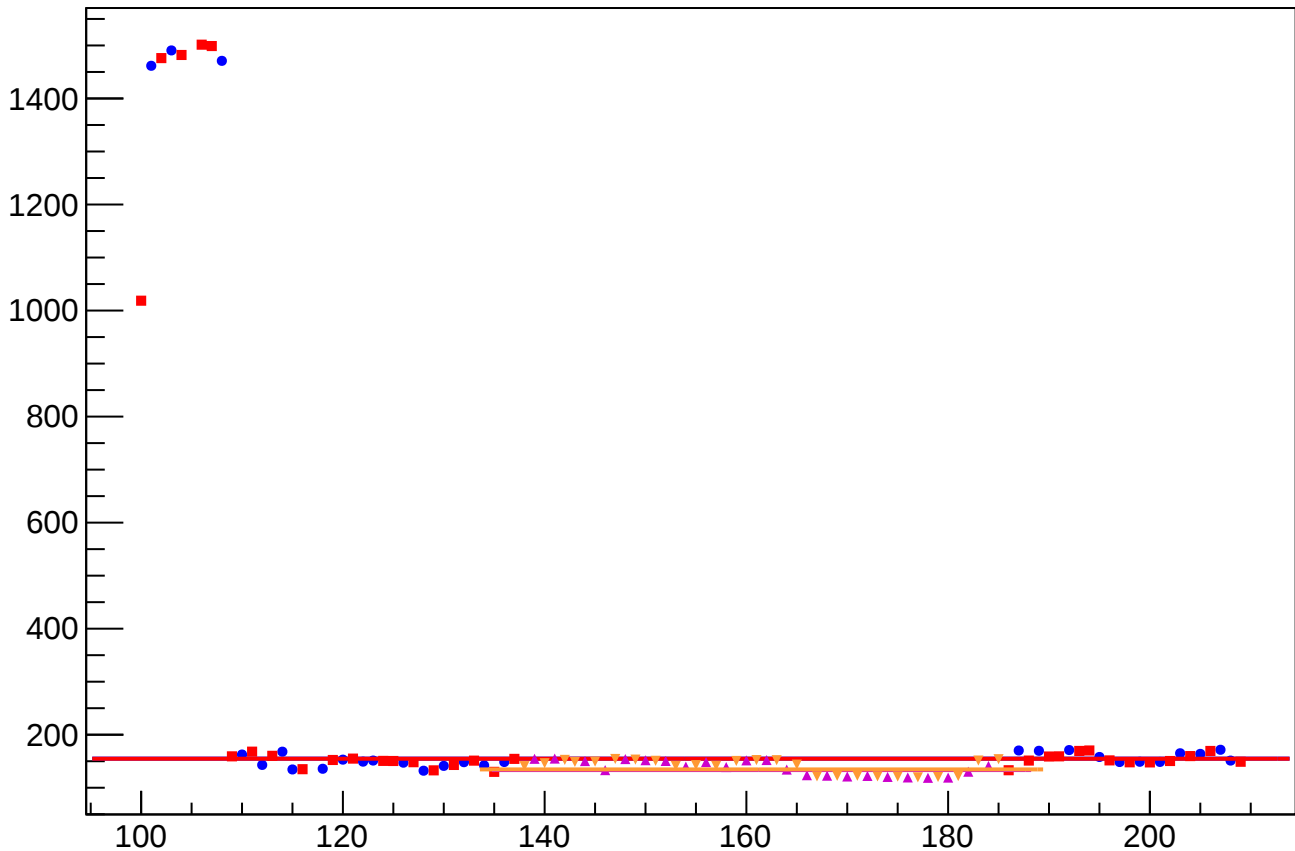
Left In: 0.489 $\pm$ 0.000 χ^2 /NDF:1076134.2/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 58600296.6/52

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 117015442.4/107

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 58412929.3/54

yield_bcm0l02_mean vs Slug



Right In: 154.908+/-0.000 χ^2/NDF : 25941899492.8/27

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 154.704+/-0.000 χ^2/NDF : 35042138178.2/31

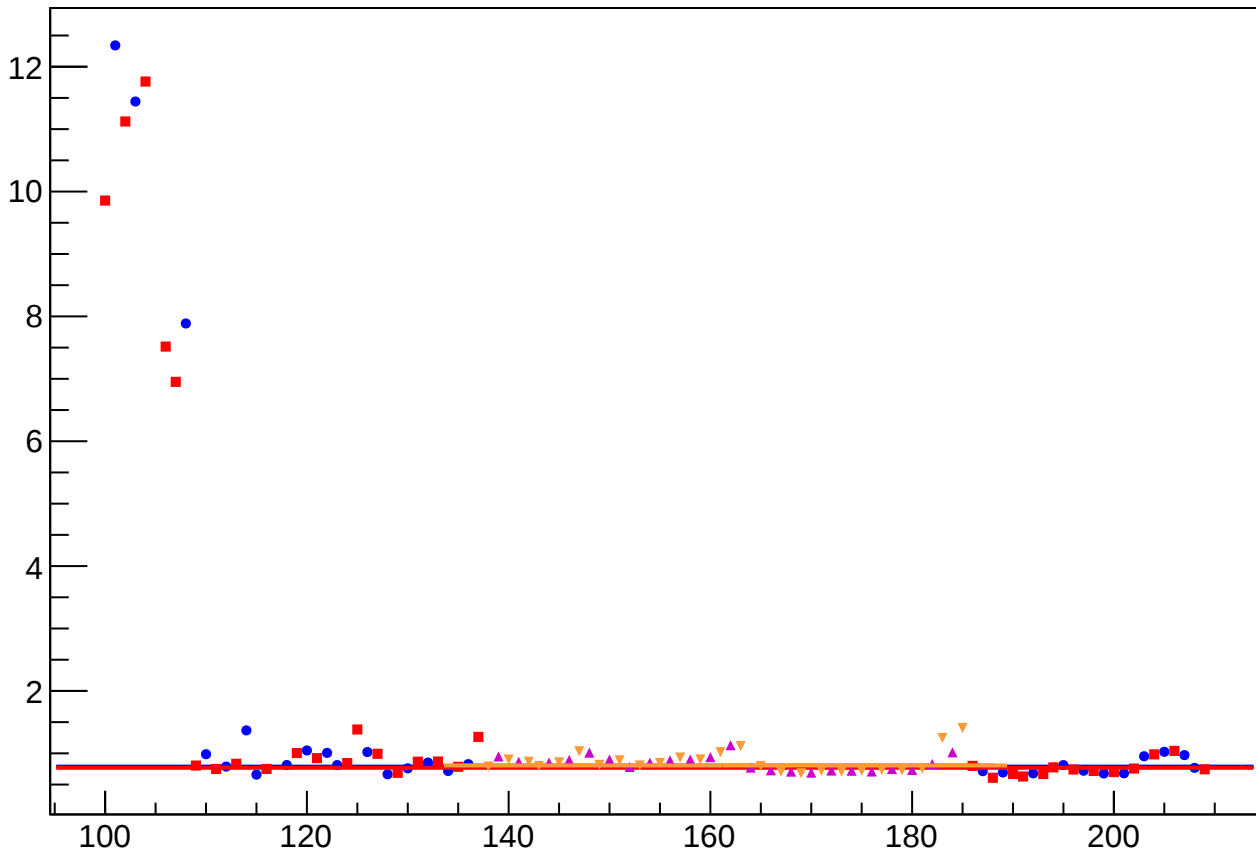
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 143.006+/-0.000 χ^2/NDF : 34398210513.5/52

All: 143.114+/-0.000 χ^2/NDF : 78545915514.0

- sign 143.218+/-0.000 χ^2/NDF : 44146773848.8/54

yield_bcm0l02_rms vs Slug



Right In: 0.787 $\pm$ 0.000 χ^2 /NDF: 3008112.8/27

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF:690578.5/24

Right Out: 0.769 $\pm$ 0.000 χ^2 /NDF: 3299516.0/31

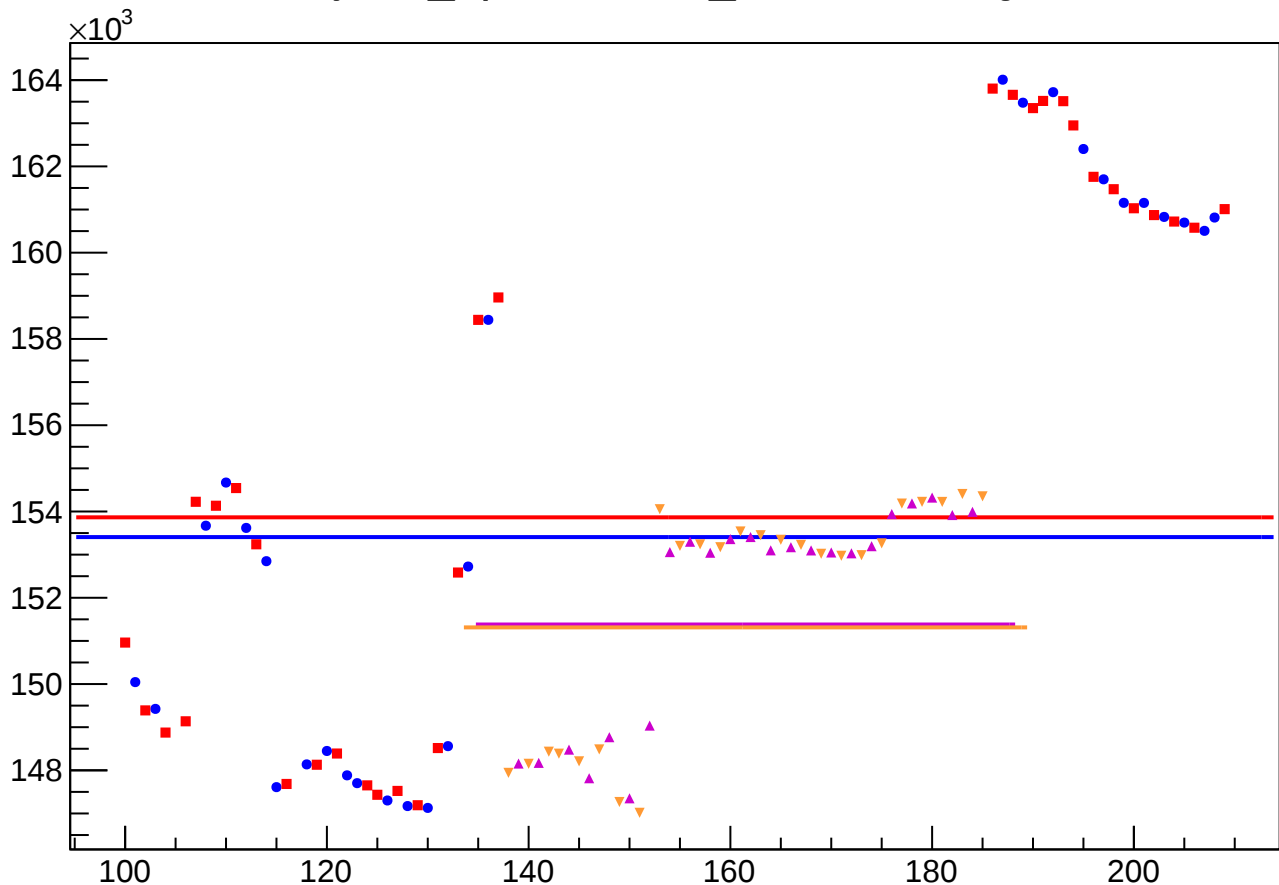
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF:480510.8/22

+ sign 0.798 $\pm$ 0.000 χ^2 /NDF: 3705691.2/52

All: 0.793 $\pm$ 0.000 χ^2 /NDF: 7517197.6/107

- sign 0.788 $\pm$ 0.000 χ^2 /NDF: 3807239.0/54

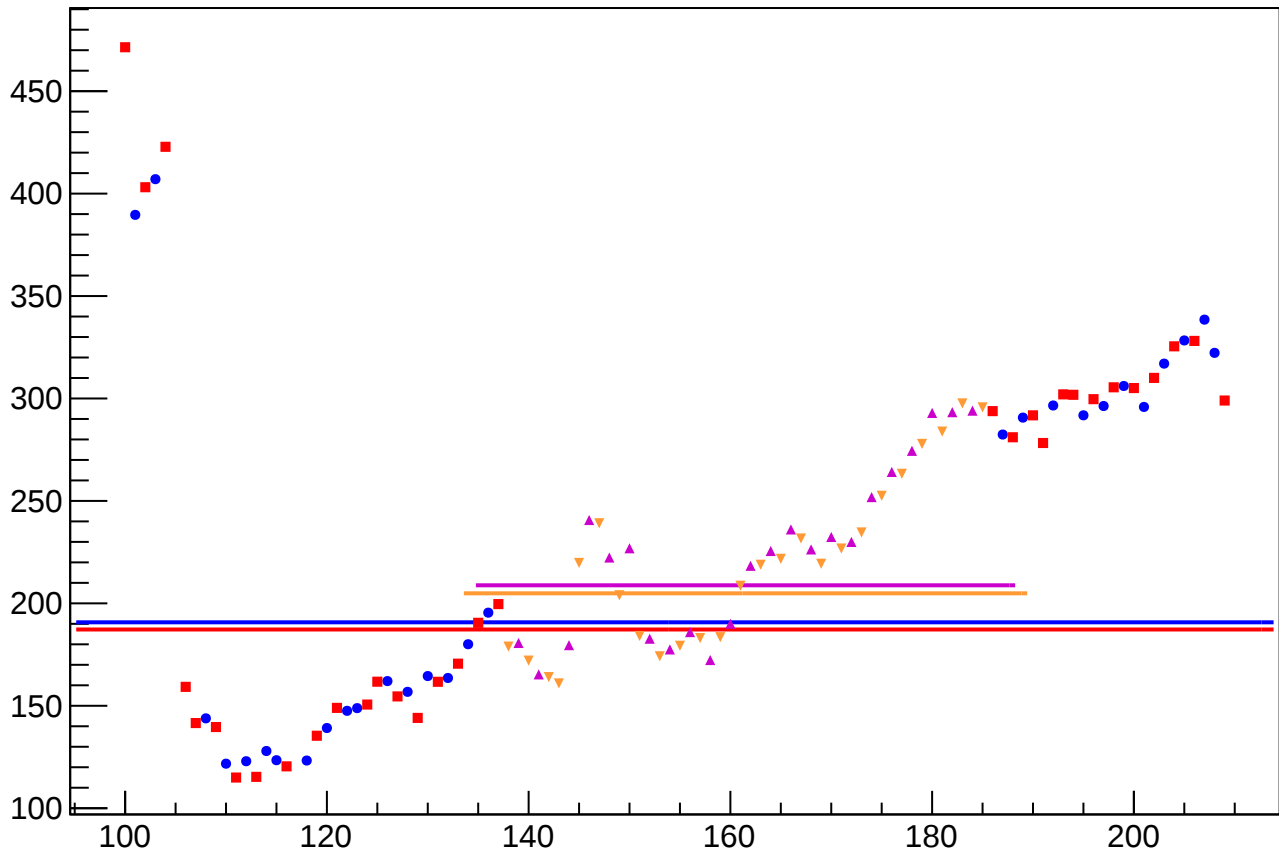
yield_bpm0i01WS_mean vs Slug



Right In: 153406.781 ± 0.055 χ^2/NDF : 10977859063.7/27
 Left Out: 151313.284 ± 0.049 χ^2/NDF : 3153768134.8/24
 Right Out: 153864.690 ± 0.052 χ^2/NDF : 12002460980.8/31
 Left In: 151380.236 ± 0.051 χ^2/NDF : 2363895785.3/22

+ sign 152237.068 ± 0.036 χ^2/NDF : 14947586497.
 All: 152424.817 ± 0.026 χ^2/NDF : 305351088.
 - sign 152612.114 ± 0.036 χ^2/NDF : 15534350380.0

yield_bpm0i01WS_rms vs Slug



Right In: 190.746 $\pm$ 0.039 χ^2 /NDF: 4117286.0/27

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 187.241 $\pm$ 0.036 χ^2 /NDF: 4598613.0/31

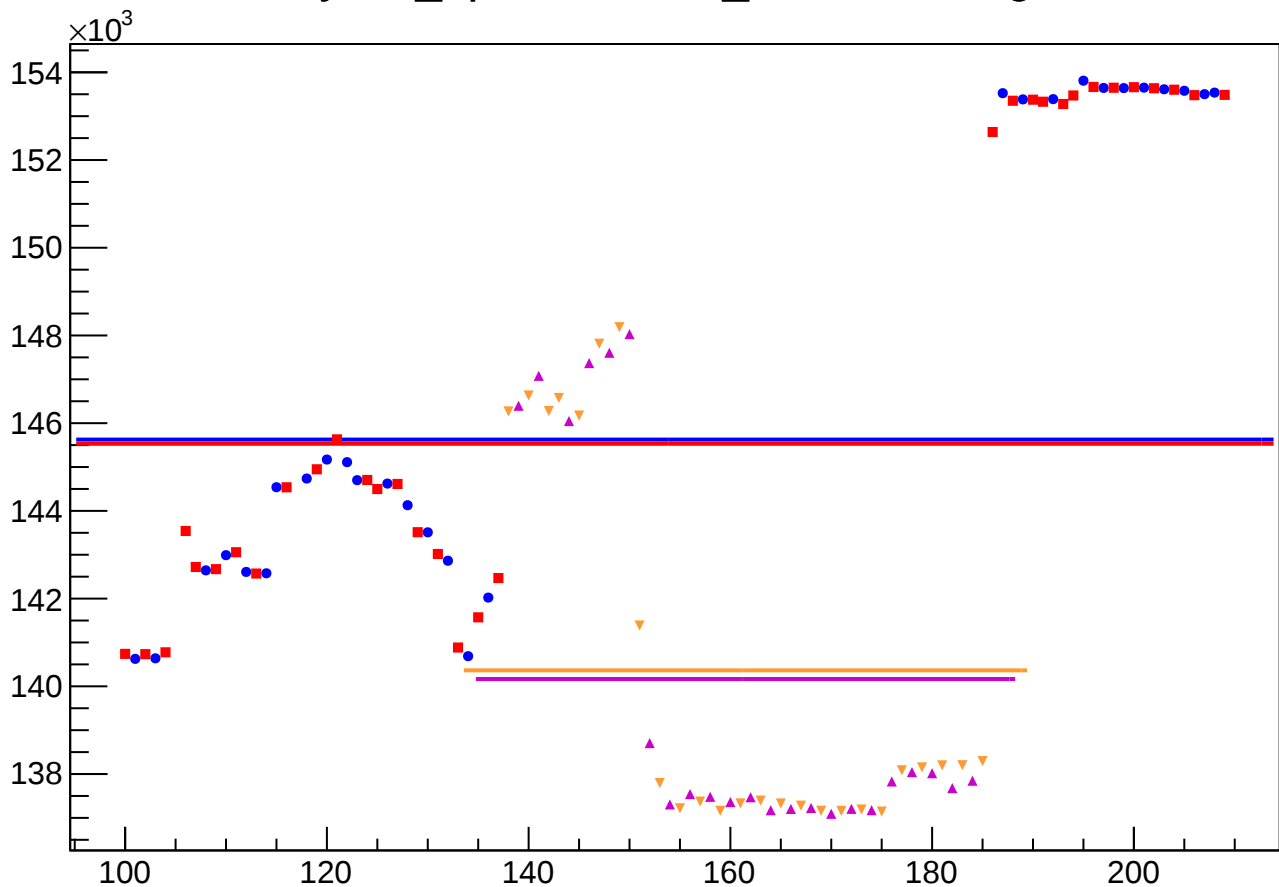
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 198.654 $\pm$ 0.026 χ^2 /NDF: 5248255.8/52

All: 198.385 $\pm$ 0.018 χ^2 /NDF: 11025136.2/10

- sign 198.116 $\pm$ 0.026 χ^2 /NDF: 5776661.8/54

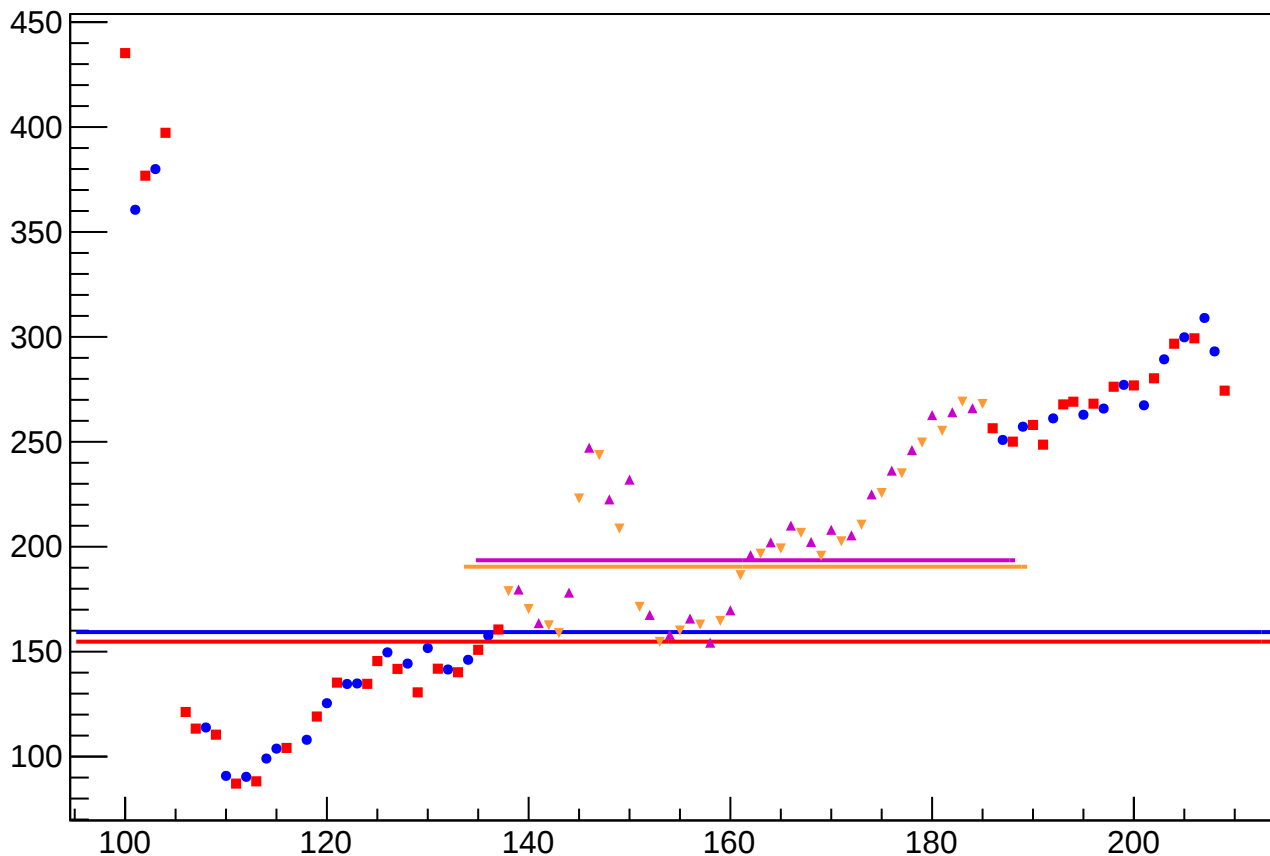
yield_bpm0i01aWS_mean vs Slug



Right In: 145625.854 $\pm$ 0.047 χ^2 /NDF: 8715622355.1/27
 Left Out: 140364.444 $\pm$ 0.045 χ^2 /NDF: 8677078677.7/24
 Right Out: 145530.589 $\pm$ 0.043 χ^2 /NDF: 10093752588.3/31
 Left In: 140166.971 $\pm$ 0.047 χ^2 /NDF: 8028464654.6/22

+ sign 142914.045 $\pm$ 0.032 χ^2 /NDF: 23953419412.2
 All: 143003.363 $\pm$ 0.023 χ^2 /NDF: 490545340.0
 - sign 143090.184 $\pm$ 0.032 χ^2 /NDF: 25086186811.2

yield_bpm0i01aWS_rms vs Slug



Right In: 159.326+/-0.033 χ^2/NDF : 5035258.4/27

Left Out: 190.486+/-0.032 χ^2/NDF : 950233.2/24

Right Out: 154.772+/-0.031 χ^2/NDF : 5636455.2/31

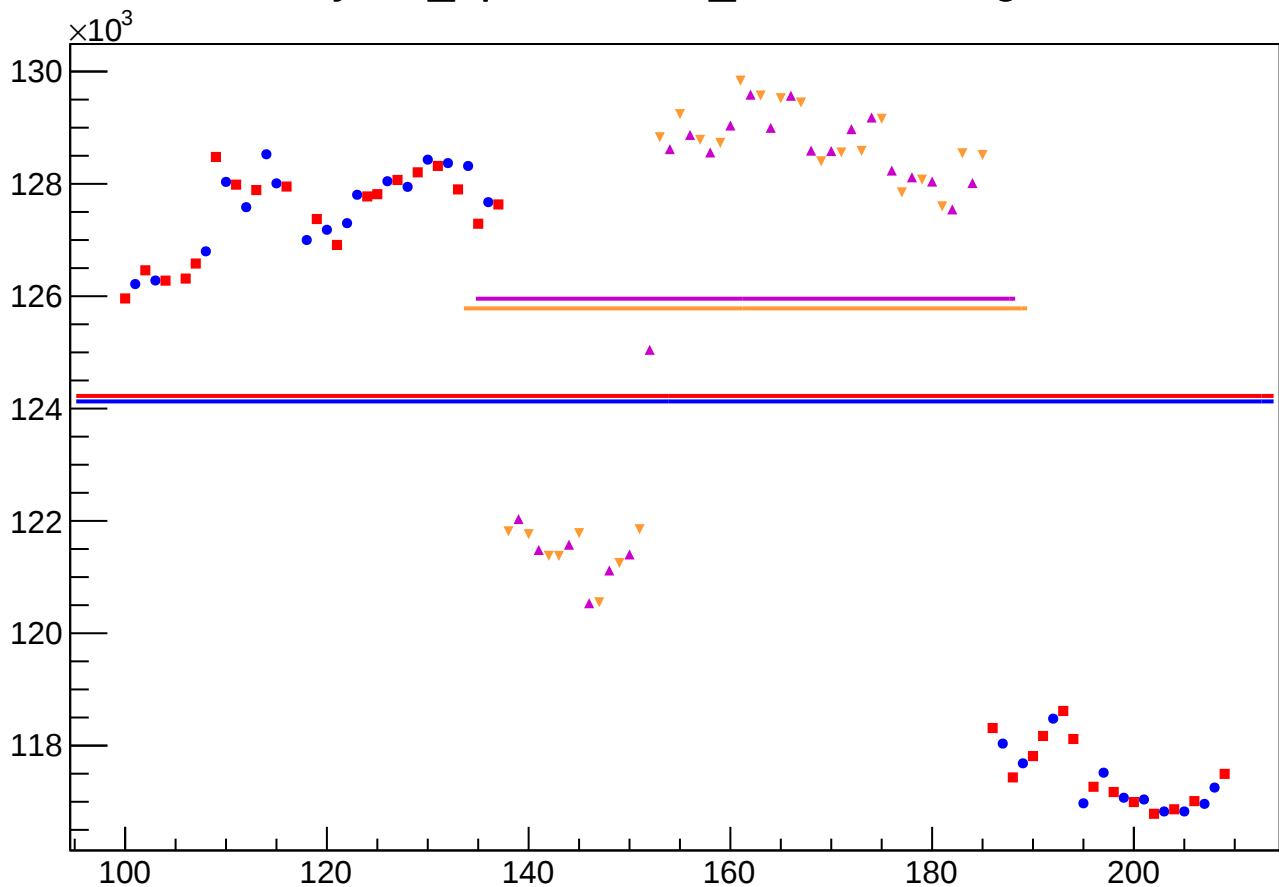
Left In: 193.558+/-0.034 χ^2/NDF : 963675.0/22

+ sign 175.386+/-0.023 χ^2/NDF : 6445714.8/52

All: 173.882+/-0.016 χ^2/NDF : 13782636.0/10

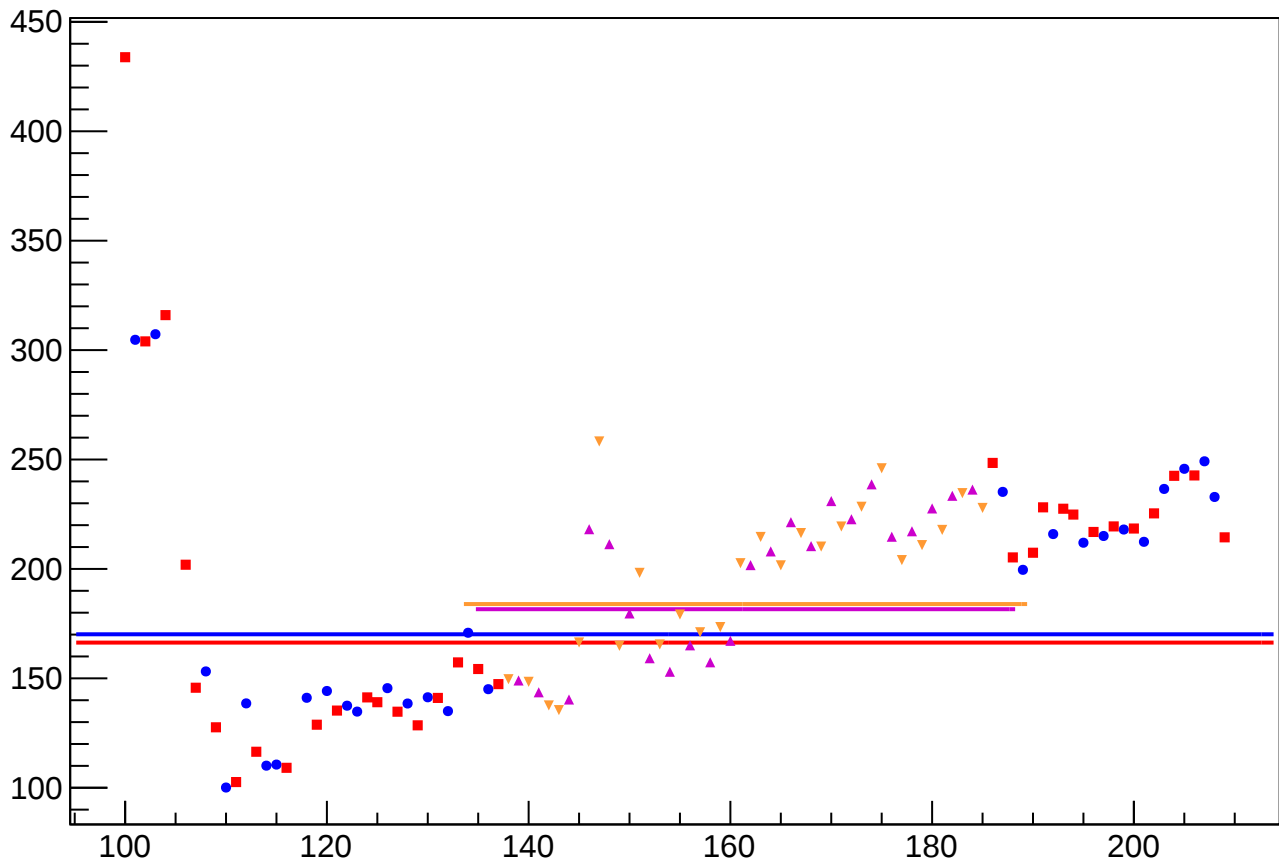
- sign 172.420+/-0.023 χ^2/NDF : 7328450.7/54

yield_bpm0l01WS_mean vs Slug



Right In: 124127.207 $\pm$ 0.047 χ^2 /NDF: 11137146761.5/27
 Left Out: 125782.764 $\pm$ 0.044 χ^2 /NDF: 6729761889.8/24
 Right Out: 124224.700 $\pm$ 0.044 χ^2 /NDF: 12226117426.5/31
 Left In: 125955.637 $\pm$ 0.045 χ^2 /NDF: 5804088930.1/22
 + sign 125011.619 $\pm$ 0.032 χ^2 /NDF: 18526245897.
 All: 125046.468 $\pm$ 0.023 χ^2 /NDF: 373138390
 - sign 125079.884 $\pm$ 0.031 χ^2 /NDF: 18785293258.4

yield_bpm0l01WS_rms vs Slug



Right In: 170.133 $\pm$ 0.033 χ^2 /NDF: 2212982.3/27

Left Out: 183.947 $\pm$ 0.031 χ^2 /NDF: 1123194.0/24

Right Out: 166.336 $\pm$ 0.031 χ^2 /NDF: 2698029.5/31

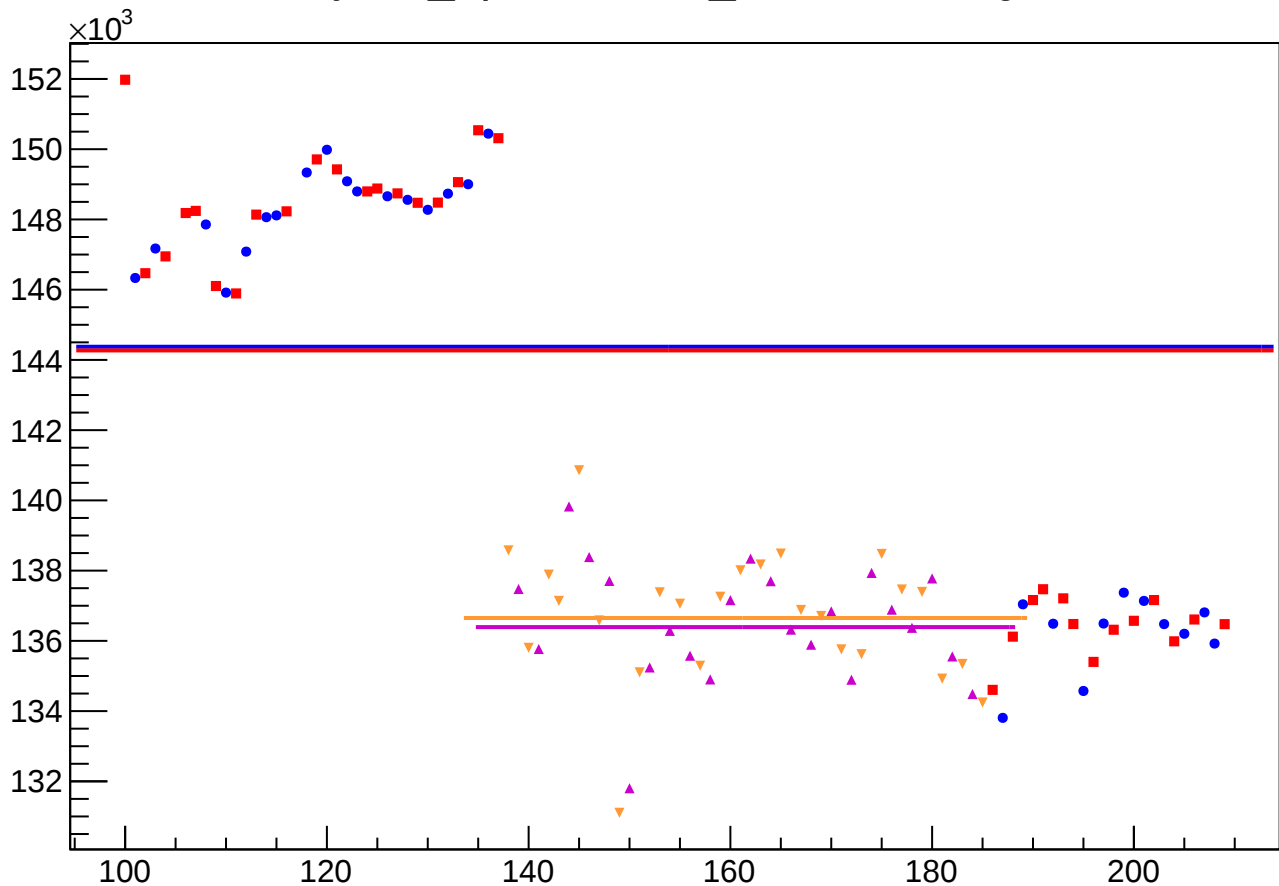
Left In: 181.596 $\pm$ 0.032 χ^2 /NDF: 1103524.3/22

+ sign 177.512 $\pm$ 0.023 χ^2 /NDF: 3427983.2/52

All: 175.656 $\pm$ 0.016 χ^2 /NDF: 7359956.3/107

- sign 173.875 $\pm$ 0.022 χ^2 /NDF: 3918917.1/54

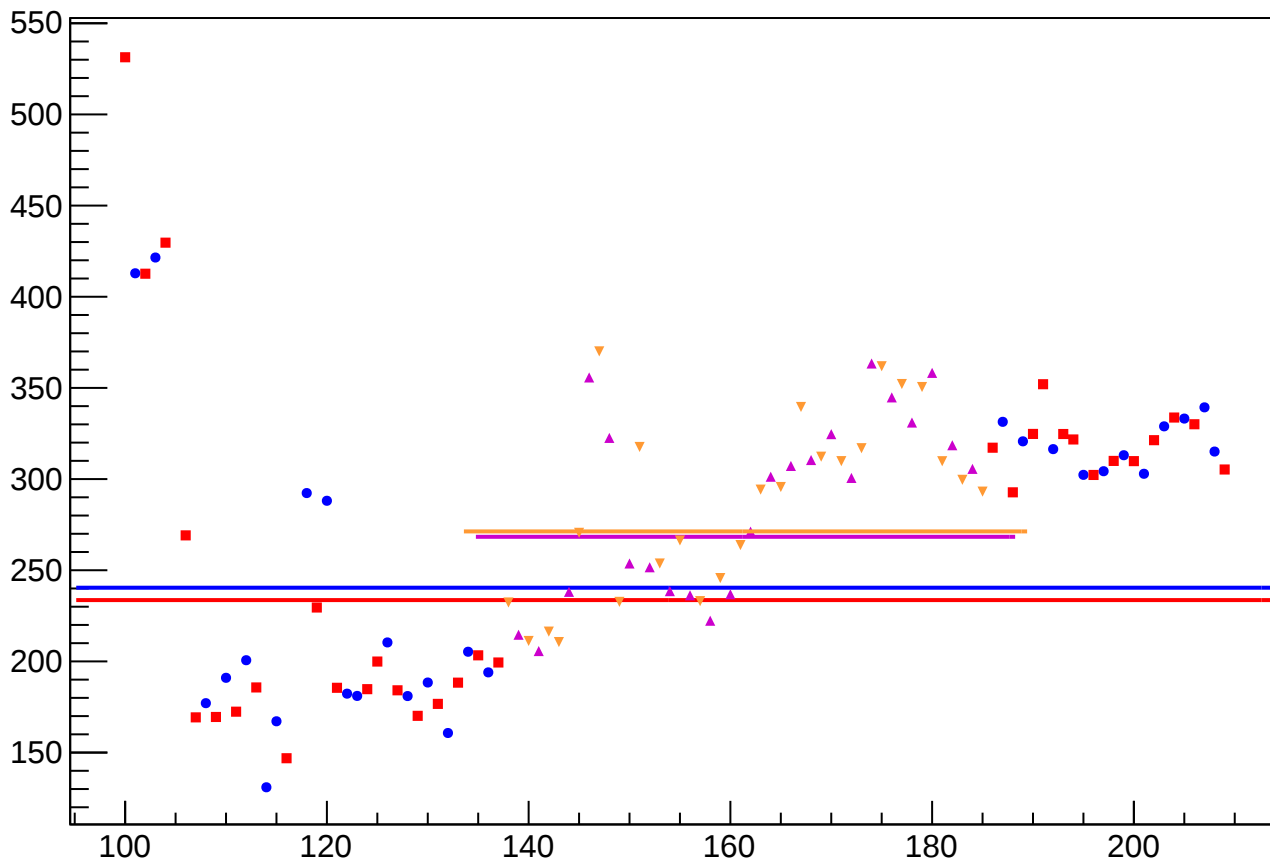
yield_bpm0l02WS_mean vs Slug



Right In: 144375.156 ± 0.067 $\chi^2/\text{NDF}: 7723916429.5/27$
 Left Out: 136650.935 ± 0.065 $\chi^2/\text{NDF}: 930649595.5/24$
 Right Out: 144270.152 ± 0.062 $\chi^2/\text{NDF}: 8548462135.7/31$
 Left In: 136392.188 ± 0.066 $\chi^2/\text{NDF}: 701986841.4/22$

+ sign 140389.031 ± 0.046 $\chi^2/\text{NDF}: 15567979738.$
 All: 140477.481 ± 0.032 $\chi^2/\text{NDF}: 323734767.$
 - sign 140561.550 ± 0.045 $\chi^2/\text{NDF}: 16798417075.9$

yield_bpm0l02WS_rms vs Slug



Right In: 240.420+/-0.047 χ^2/NDF : 2330444.6/27

Left Out: 271.295+/-0.046 χ^2/NDF :1064485.7/24

Right Out: 233.628+/-0.044 χ^2/NDF : 2630618.3/31

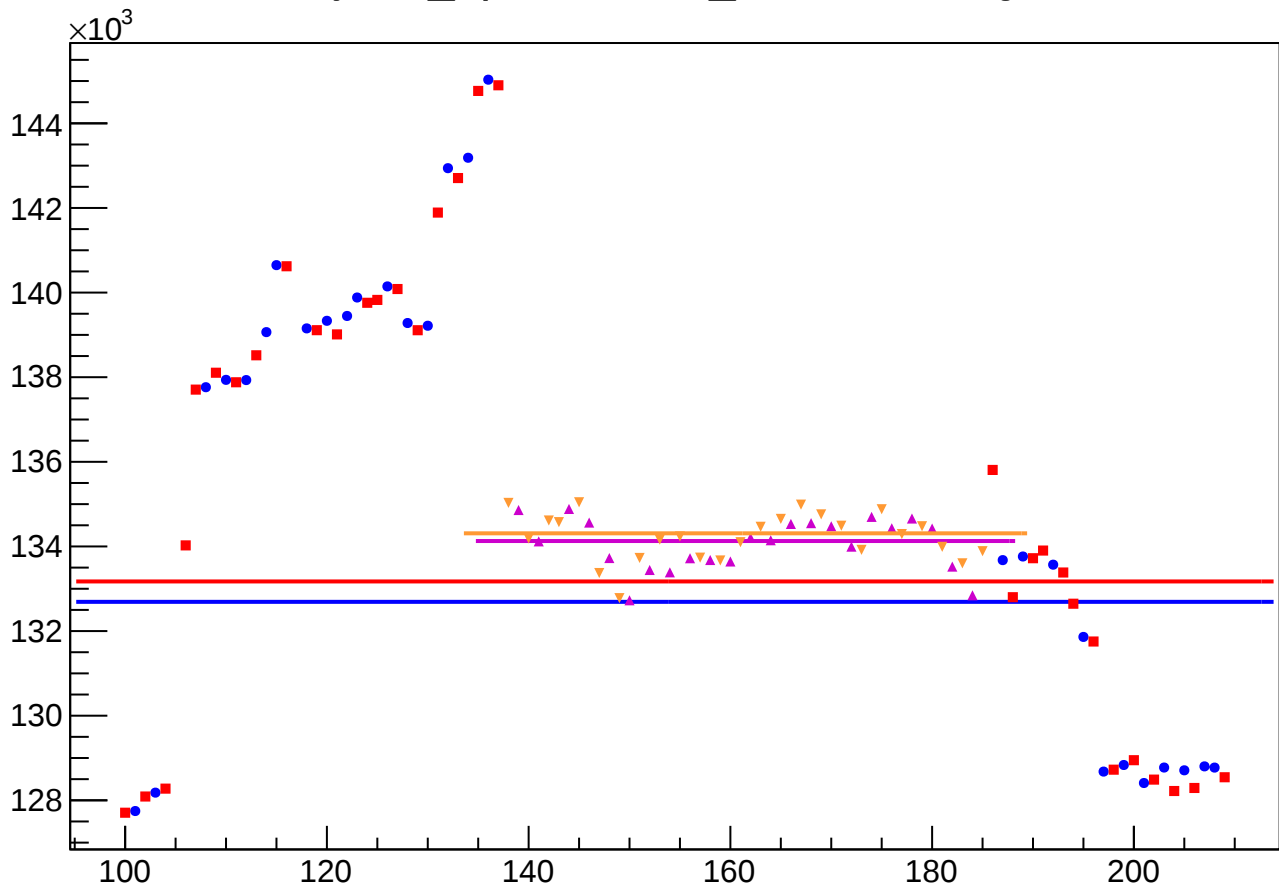
Left In: 268.344+/-0.047 χ^2/NDF :1077364.0/22

+ sign 256.353+/-0.033 χ^2/NDF : 3615852.0/52

All: 253.081+/-0.023 χ^2/NDF : 7636367.1/107

- sign 249.970+/-0.032 χ^2/NDF : 4001132.6/54

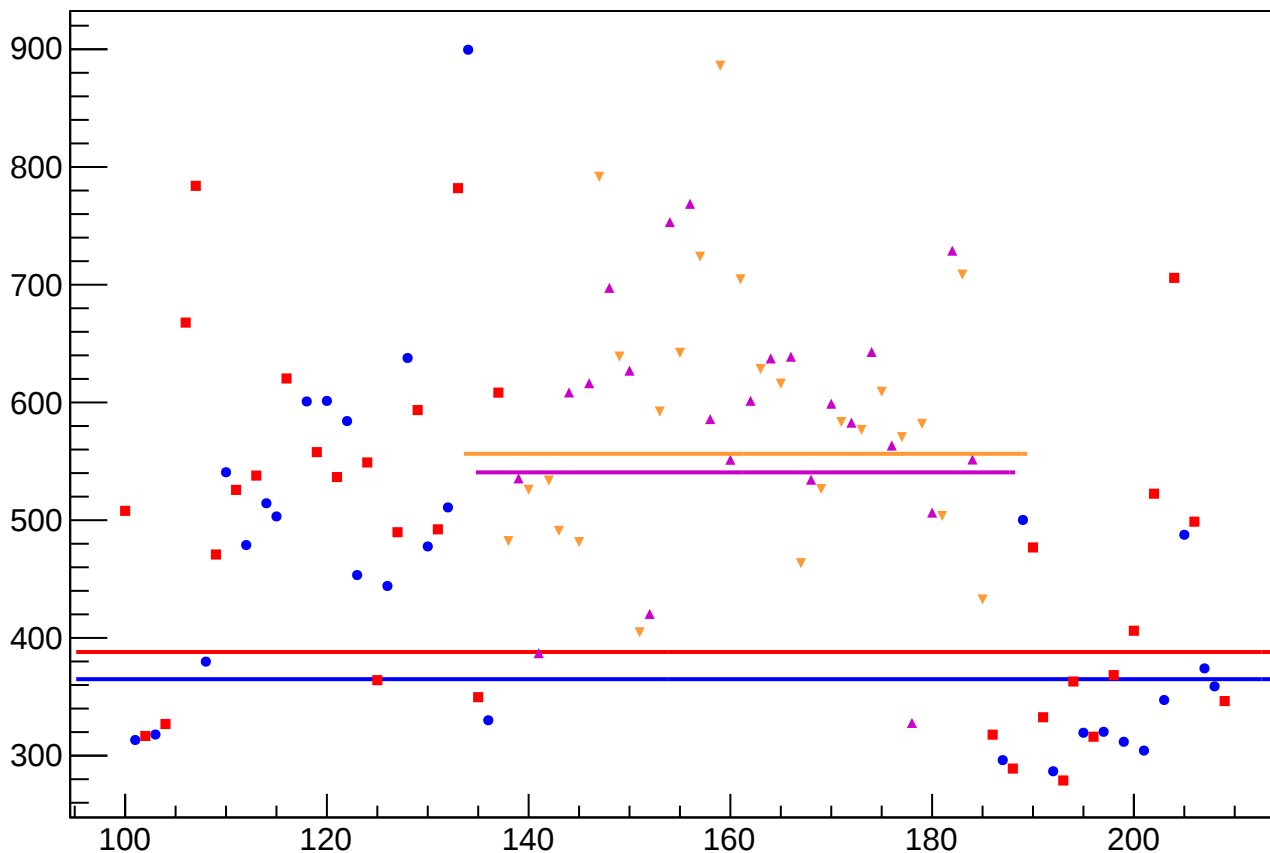
yield_bpm0l03WS_mean vs Slug



Right In: 132690.822 $\pm$ 0.109 χ^2 /NDF: 2566152579.9/27
 Left Out: 134310.250 $\pm$ 0.139 χ^2 /NDF:15518632.9/24
 Right Out: 133172.910 $\pm$ 0.112 χ^2 /NDF: 1723034398.1/31
 Left In: 134128.172 $\pm$ 0.142 χ^2 /NDF:15533736.2/22

+ sign 133307.539 $\pm$ 0.086 χ^2 /NDF: 2666254653.4
 All: 133420.817 $\pm$ 0.061 χ^2 /NDF: 443625334
 - sign 133541.271 $\pm$ 0.088 χ^2 /NDF: 1766377179.3/

yield_bpm0l03WS_rms vs Slug



Right In: 364.964 ± 0.077 $\chi^2/\text{NDF}: 1337809.9/27$

Left Out: 556.381 ± 0.098 $\chi^2/\text{NDF}: 1002064.0/24$

Right Out: 388.046 ± 0.080 $\chi^2/\text{NDF}: 1916427.4/31$

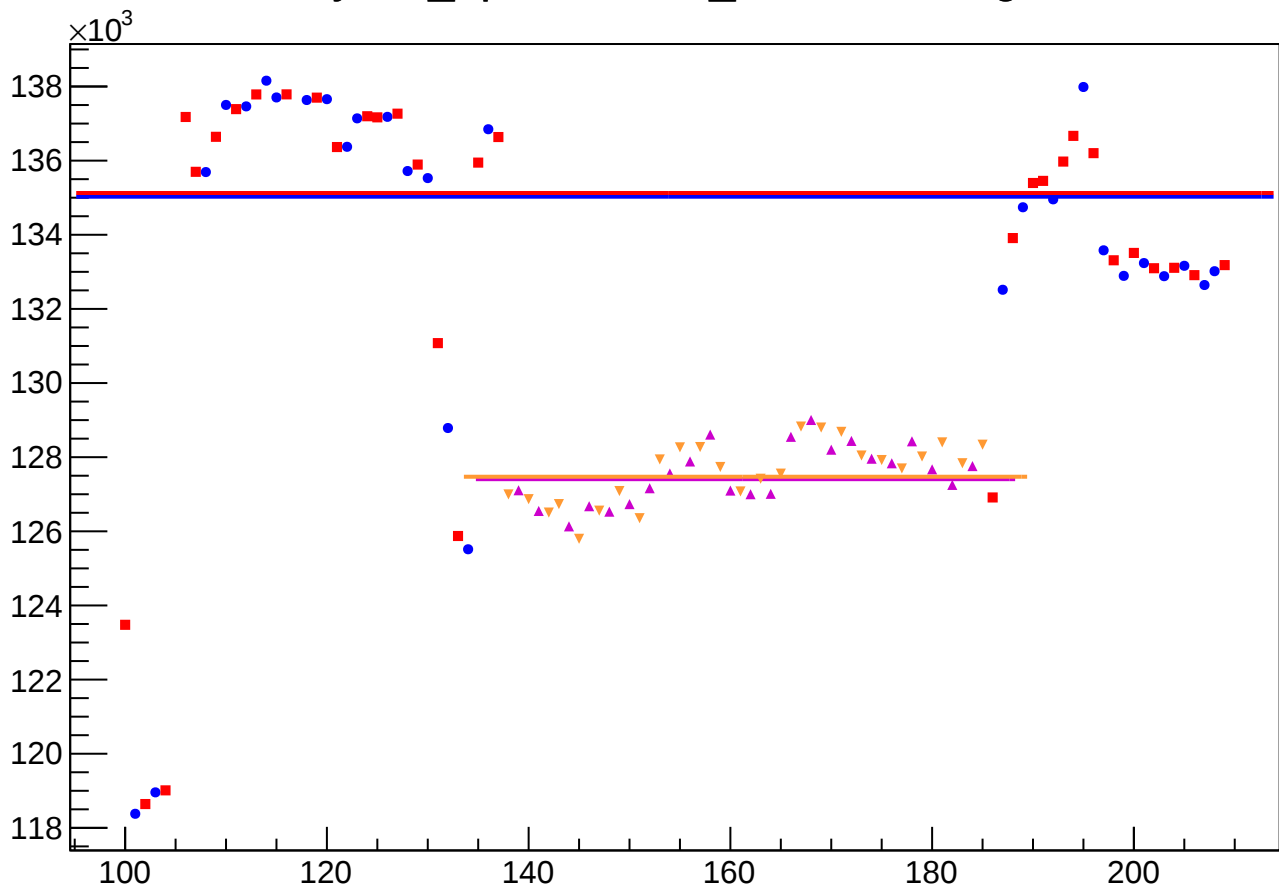
Left In: 540.607 ± 0.100 $\chi^2/\text{NDF}: 1409015.2/22$

+ sign 437.860 ± 0.060 $\chi^2/\text{NDF}: 4703369.3/52$

All: 442.230 ± 0.043 $\chi^2/\text{NDF}: 9458178.6/107$

- sign 446.875 ± 0.062 $\chi^2/\text{NDF}: 4744034.4/54$

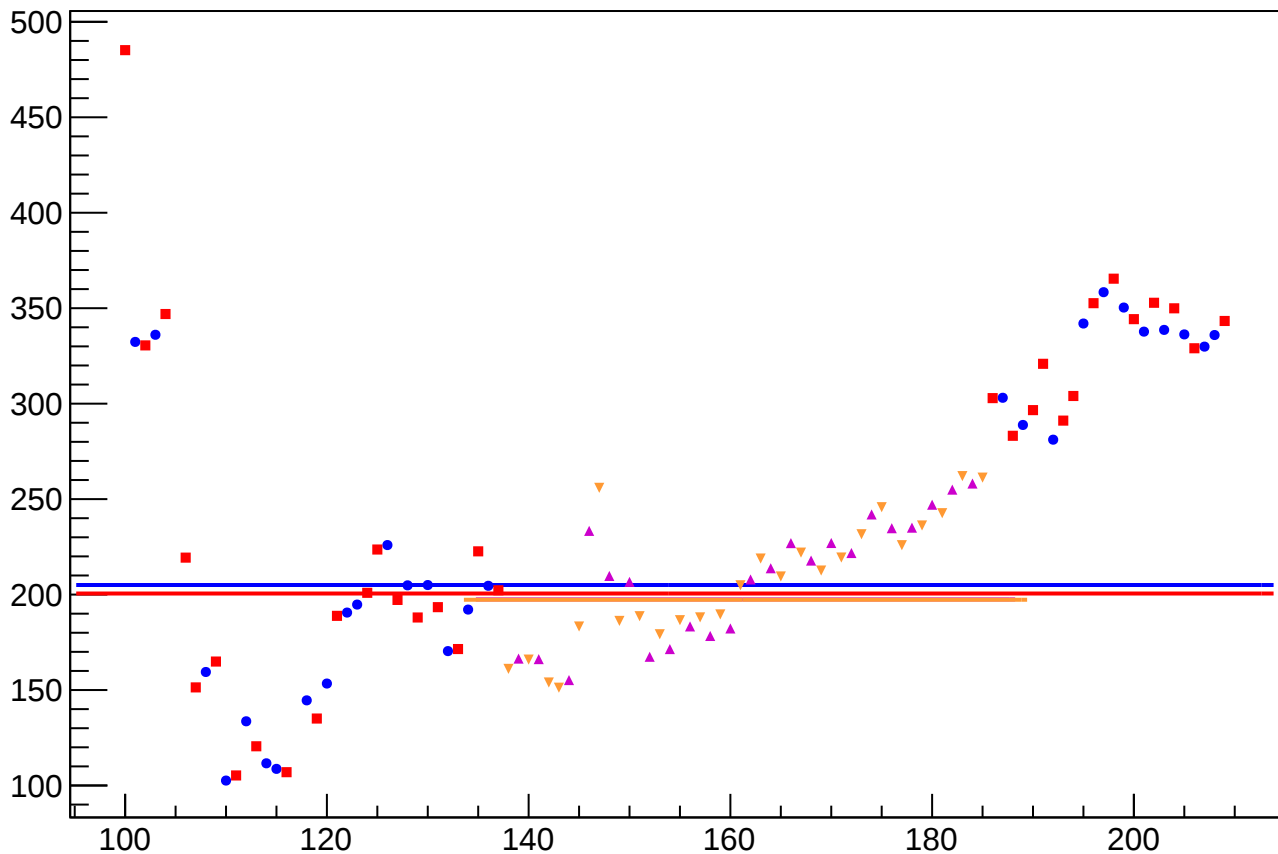
yield_bpm0l04WS_mean vs Slug



Right In: 135027.393 $\pm$ 0.059 χ^2 /NDF: 4864867878.4/27
 Left Out: 127472.525 $\pm$ 0.047 χ^2 /NDF: 303609315.6/24
 Right Out: 135126.952 $\pm$ 0.056 χ^2 /NDF: 5237252975.0/31
 Left In: 127406.911 $\pm$ 0.048 χ^2 /NDF: 269927988.0/22

+ sign 130386.182 $\pm$ 0.037 χ^2 /NDF: 15194740559.
 All: 130560.249 $\pm$ 0.026 χ^2 /NDF: 31721565.
 - sign 130732.096 $\pm$ 0.036 χ^2 /NDF: 16482181448.2

yield_bpm0l04WS_rms vs Slug



Right In: 205.016+/-0.042 χ^2/NDF : 4149456.9/27

Left Out: 197.289+/-0.033 χ^2/NDF : 852024.1/24

Right Out: 200.555+/-0.039 χ^2/NDF : 4807404.1/31

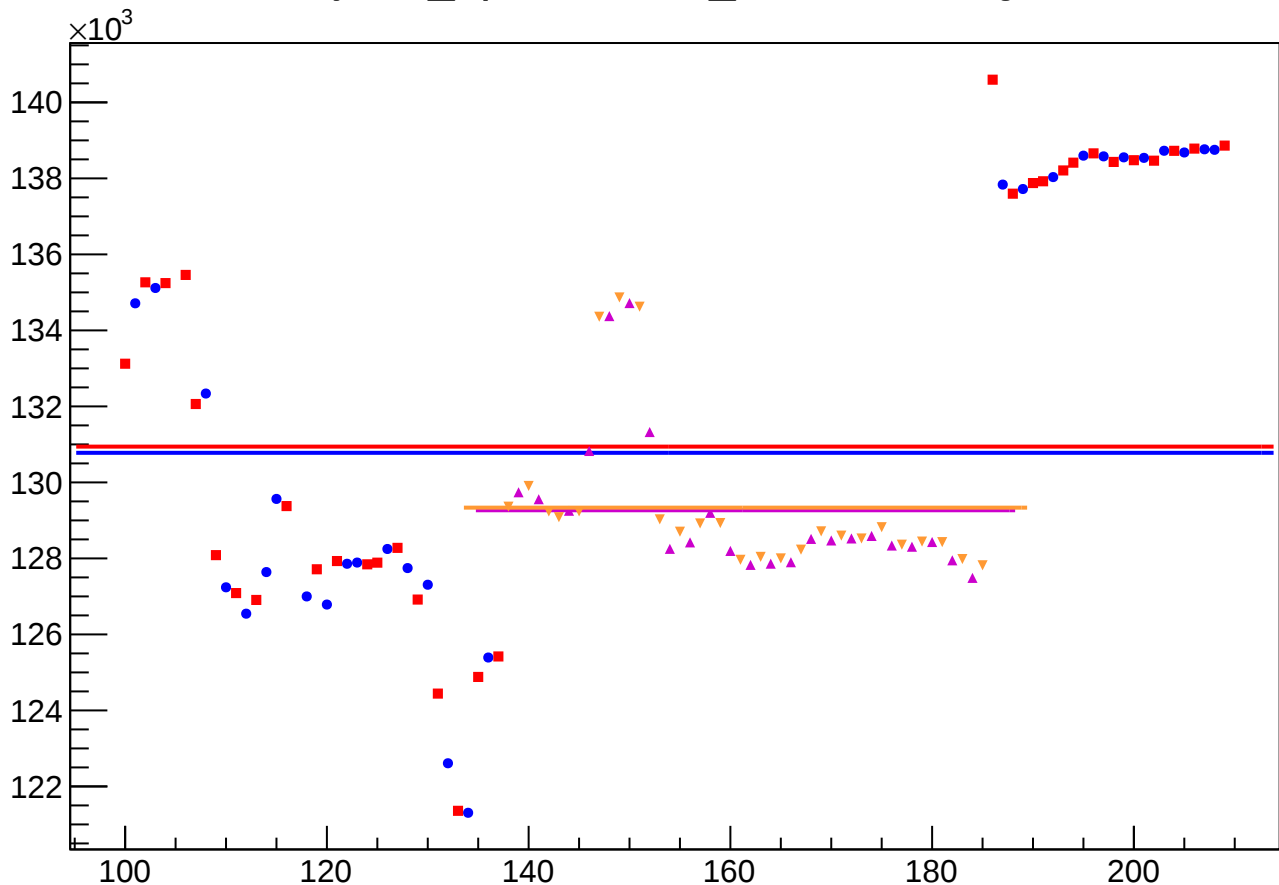
Left In: 197.471+/-0.034 χ^2/NDF : 791577.5/22

+ sign 200.269+/-0.026 χ^2/NDF : 5022455.1/52

All: 199.530+/-0.018 χ^2/NDF : 10626552.0/10

- sign 198.799+/-0.026 χ^2/NDF : 5602485.2/54

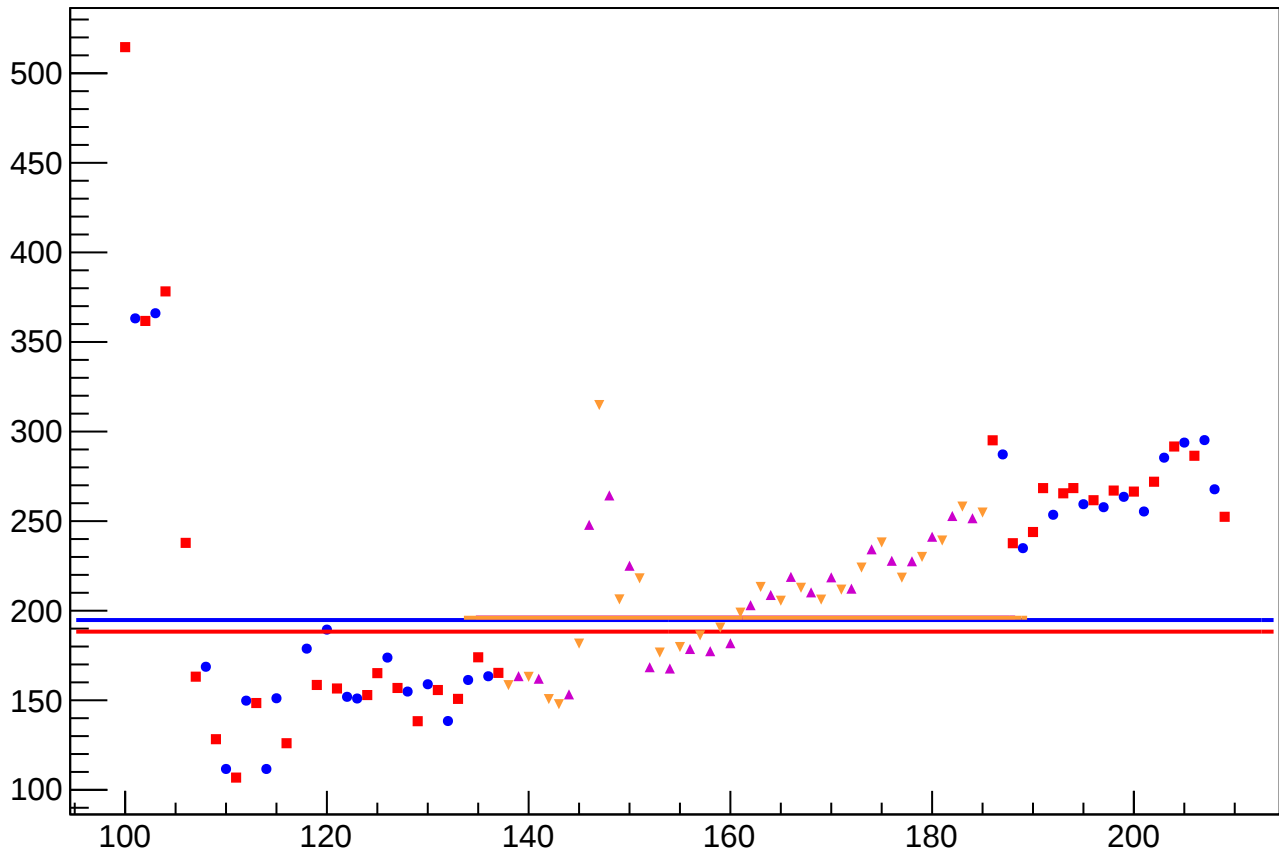
yield_bpm0l05WS_mean vs Slug



Right In: 130778.592 $\pm$ 0.055 χ^2 /NDF: 11247641969.6/27
 Left Out: 129335.946 $\pm$ 0.047 χ^2 /NDF: 1450933621.0/24
 Right Out: 130941.801 $\pm$ 0.051 χ^2 /NDF: 12327080191.7/31
 Left In: 129266.909 $\pm$ 0.048 χ^2 /NDF: 1213762773.1/22

+ sign 129945.596 $\pm$ 0.036 χ^2 /NDF: 13101388817.7
 All: 130003.125 $\pm$ 0.025 χ^2 /NDF: 272194522.0
 - sign 130058.903 $\pm$ 0.035 χ^2 /NDF: 14112893104.3

yield_bpm0l05WS_rms vs Slug



Right In: 194.788 $\pm$ 0.039 χ^2 /NDF: 2644047.3/27

Left Out: 196.077 $\pm$ 0.033 χ^2 /NDF: 975710.9/24

Right Out: 188.311 $\pm$ 0.036 χ^2 /NDF: 3280883.9/31

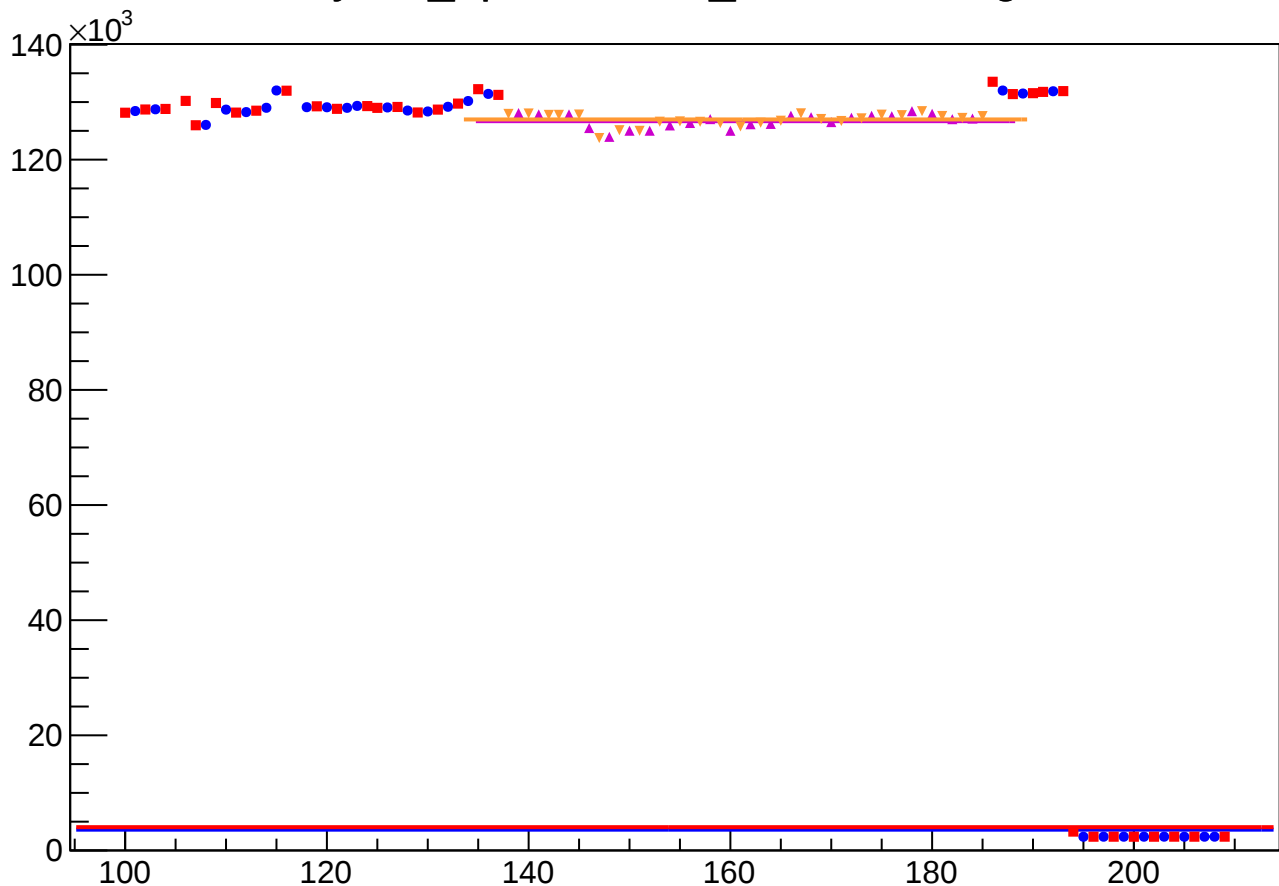
Left In: 196.186 $\pm$ 0.034 χ^2 /NDF: 898058.0/22

+ sign 195.532 $\pm$ 0.025 χ^2 /NDF: 3620401.9/52

All: 193.974 $\pm$ 0.018 χ^2 /NDF: 7832230.9/107

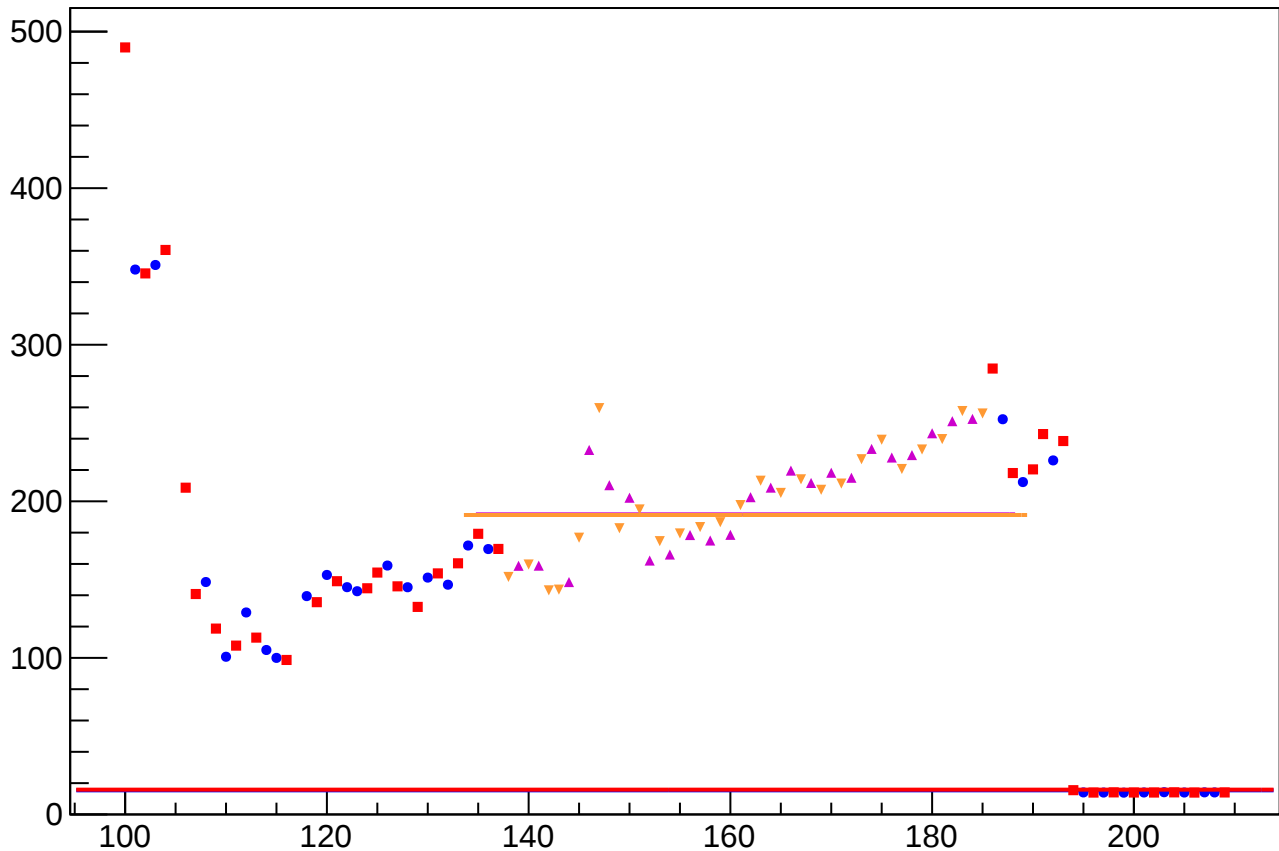
- sign 192.462 $\pm$ 0.025 χ^2 /NDF: 4204236.4/54

yield_bpm0l06WS_mean vs Slug



Right In: 3612.635 $\pm$ 0.006 χ^2 /NDF: 4884050626210.3/27
 Left Out: 126981.724 $\pm$ 0.046 χ^2 /NDF: 530573115.8/24
 Right Out: 4044.225 $\pm$ 0.006 χ^2 /NDF: 5809917443772.3/31
 Left In: 126682.659 $\pm$ 0.047 χ^2 /NDF: 660415880.0/22
 + sign 5458.327 $\pm$ 0.006 χ^2 /NDF: 12119135695524
 All: 5689.531 $\pm$ 0.004 χ^2 /NDF: 24638479512
 - sign 5944.741 $\pm$ 0.006 χ^2 /NDF: 12515716419825

yield_bpm0l06WS_rms vs Slug



Right In: 15.401 $\pm$ 0.004 χ^2 /NDF: 13289508.8/27

Left Out: 191.263 $\pm$ 0.032 χ^2 /NDF: 992566.2/24

Right Out: 15.843 $\pm$ 0.004 χ^2 /NDF: 15574189.7/31

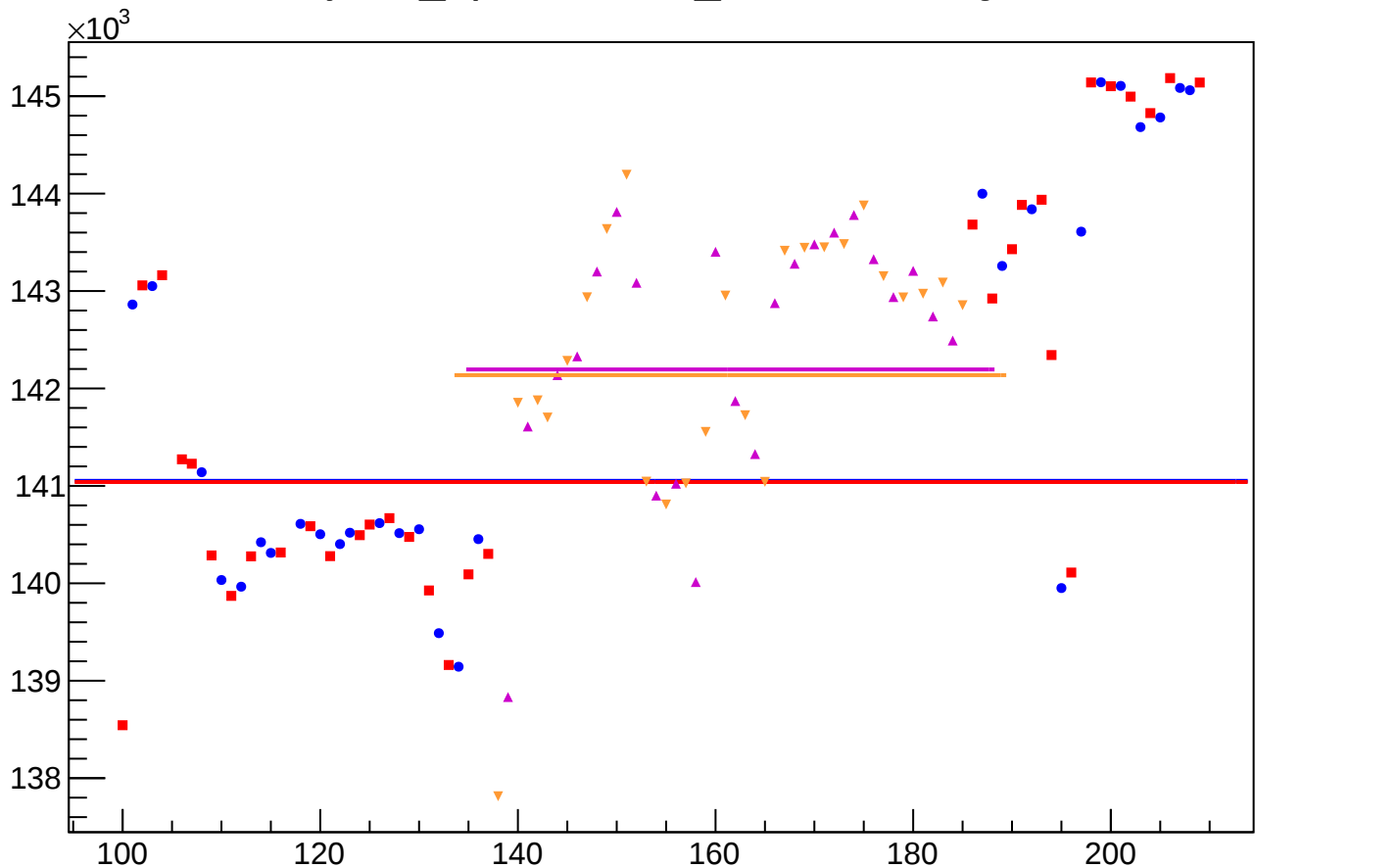
Left In: 191.683 $\pm$ 0.033 χ^2 /NDF: 864384.9/22

+ sign 18.032 $\pm$ 0.004 χ^2 /NDF: 43684007.9/52

All: 18.286 $\pm$ 0.003 χ^2 /NDF: 87700236.1/107

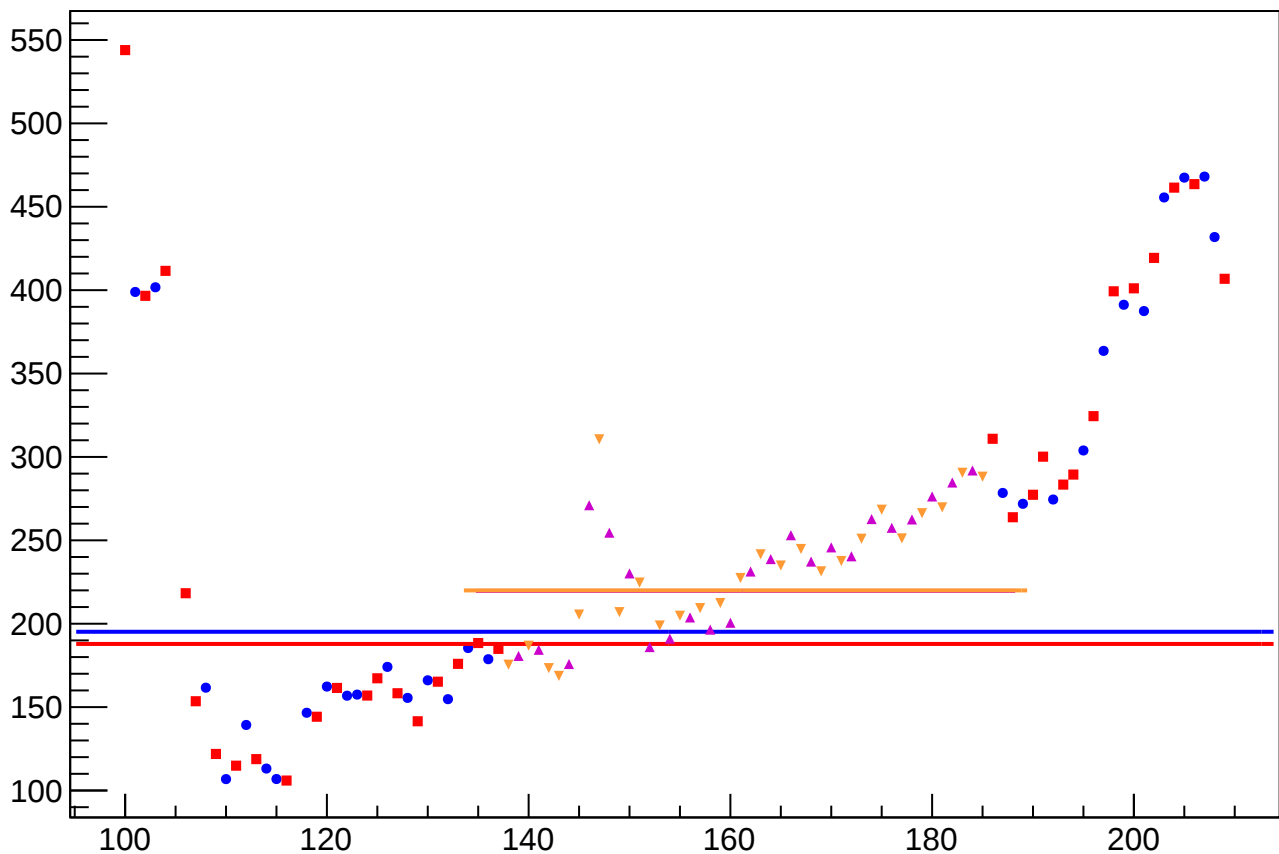
- sign 18.568 $\pm$ 0.004 χ^2 /NDF: 44007408.9/54

yield_bpm0l07WS_mean vs Slug



Right In: 141051.616 $\pm$ 0.058 χ^2 /NDF: 769057147.5/27
 Left Out: 142136.579 $\pm$ 0.052 χ^2 /NDF: 815573343.0/24
 Right Out: 141039.800 $\pm$ 0.053 χ^2 /NDF: 851427550.3/31
 Left In: 142195.020 $\pm$ 0.054 χ^2 /NDF: 644030906.9/22
 + sign 141646.894 $\pm$ 0.039 χ^2 /NDF: 1778677548.5
 All: 141627.944 $\pm$ 0.027 χ^2 /NDF: 350759974
 - sign 141609.883 $\pm$ 0.038 χ^2 /NDF: 1728455314.3/

yield_bpm0l07WS_rms vs Slug



Right In: 195.171+/-0.041 χ^2/NDF : 5437074.7/27

Left Out: 219.969+/-0.037 χ^2/NDF : 866616.3/24

Right Out: 187.874+/-0.038 χ^2/NDF : 6003509.3/31

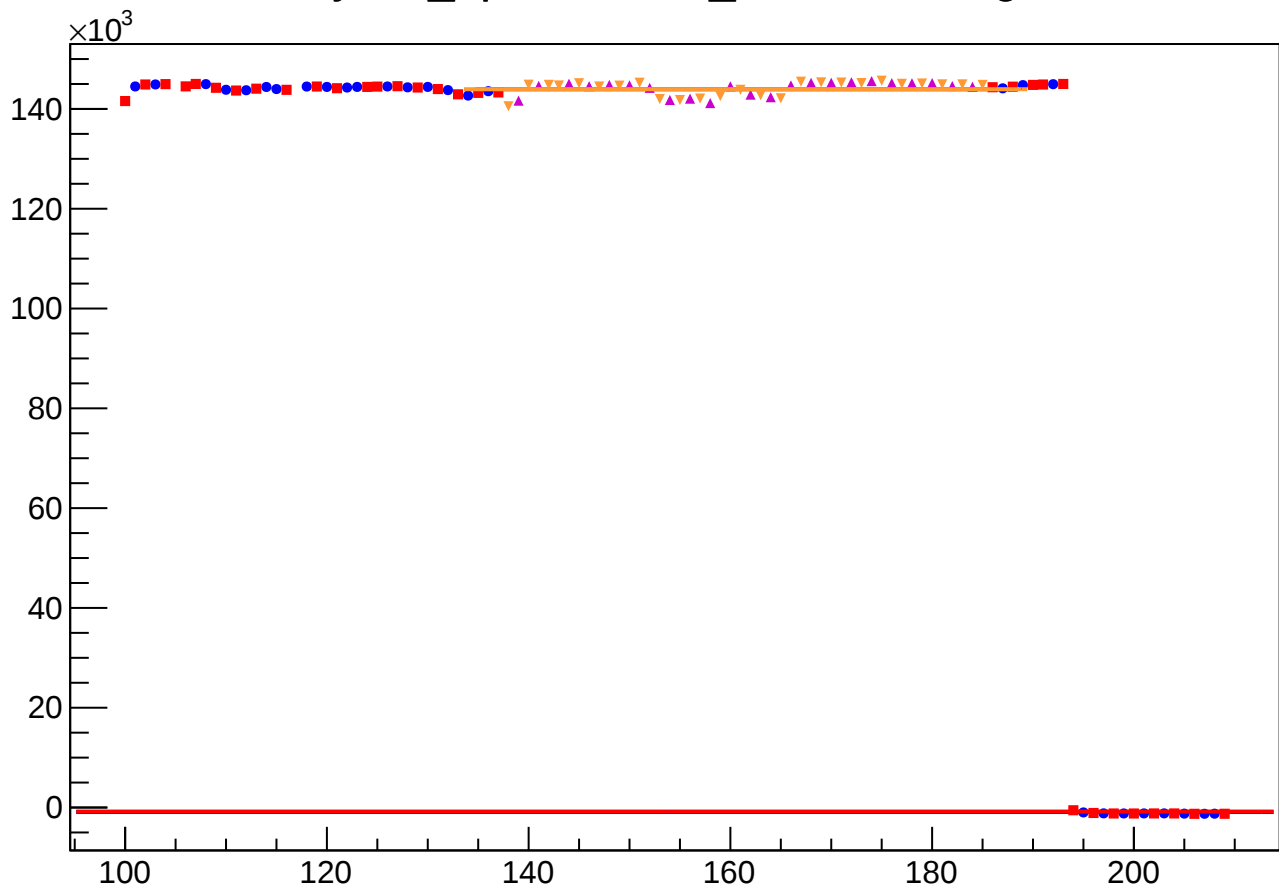
Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

+ sign 208.777+/-0.027 χ^2/NDF : 6506437.8/52

All: 206.112+/-0.019 χ^2/NDF : 13694491.7/10

- sign 203.572+/-0.027 χ^2/NDF : 7169588.9/54

yield_bpm0l08WS_mean vs Slug



Right In: -903.231 $\pm$ 0.003 χ^2 /NDF: 5297596909411.1/27

Left Out: 143951.284 $\pm$ 0.052 χ^2 /NDF: 864679545.2/24

Right Out: -810.011 $\pm$ 0.003 χ^2 /NDF: 6401790964793.8/31

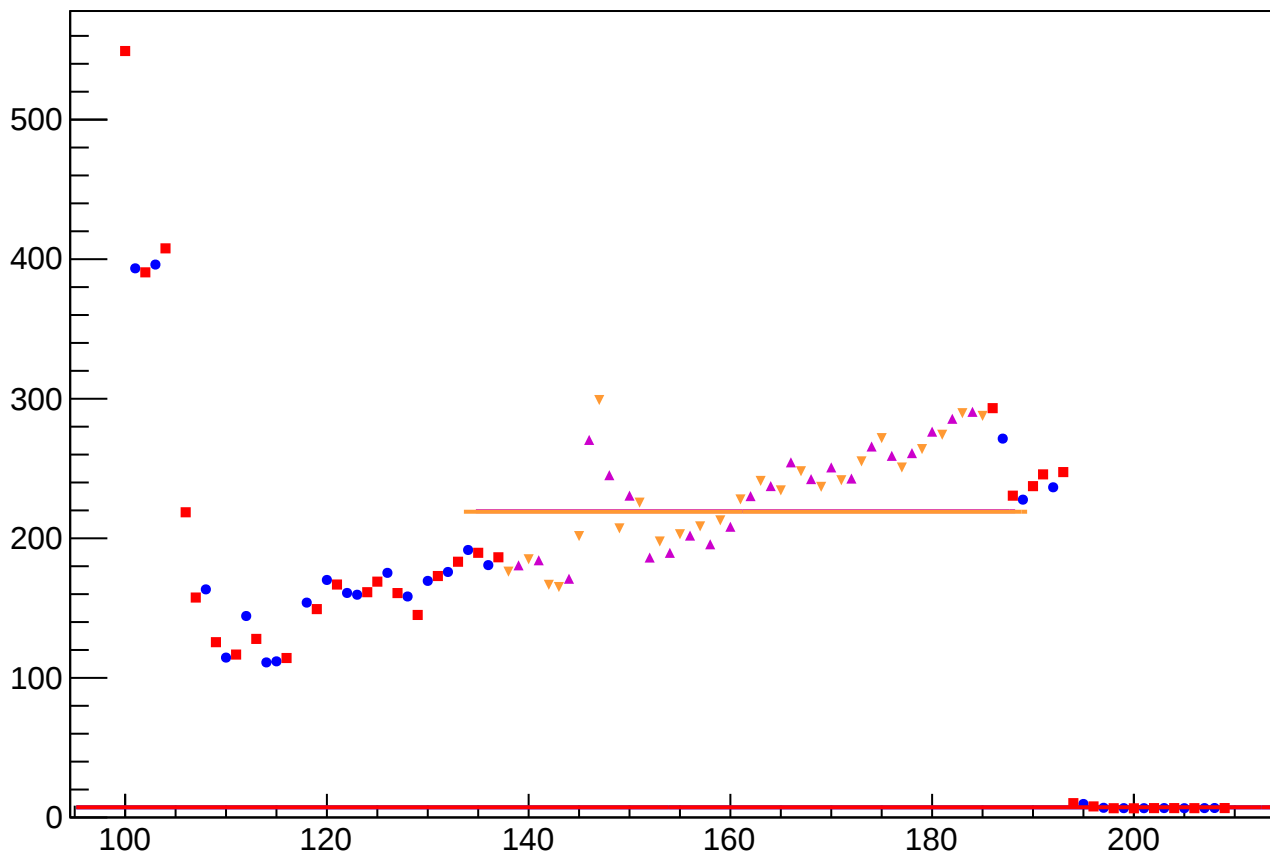
Left In: 143938.288 $\pm$ 0.054 χ^2 /NDF: 719814685.6/22

+ sign -488.261 $\pm$ 0.003 χ^2 /NDF: 12995933551398

All: -439.559 $\pm$ 0.002 χ^2 /NDF: 26605591116

- sign -386.512 $\pm$ 0.003 χ^2 /NDF: 13609021180612

yield_bpm0l08WS_rms vs Slug



Right In: 7.244 $\pm$ 0.002 χ^2 /NDF: 14922108.5/27

Left Out: 219.050 $\pm$ 0.037 χ^2 /NDF:934417.6/24

Right Out: 7.293 $\pm$ 0.002 χ^2 /NDF: 17459857.3/31

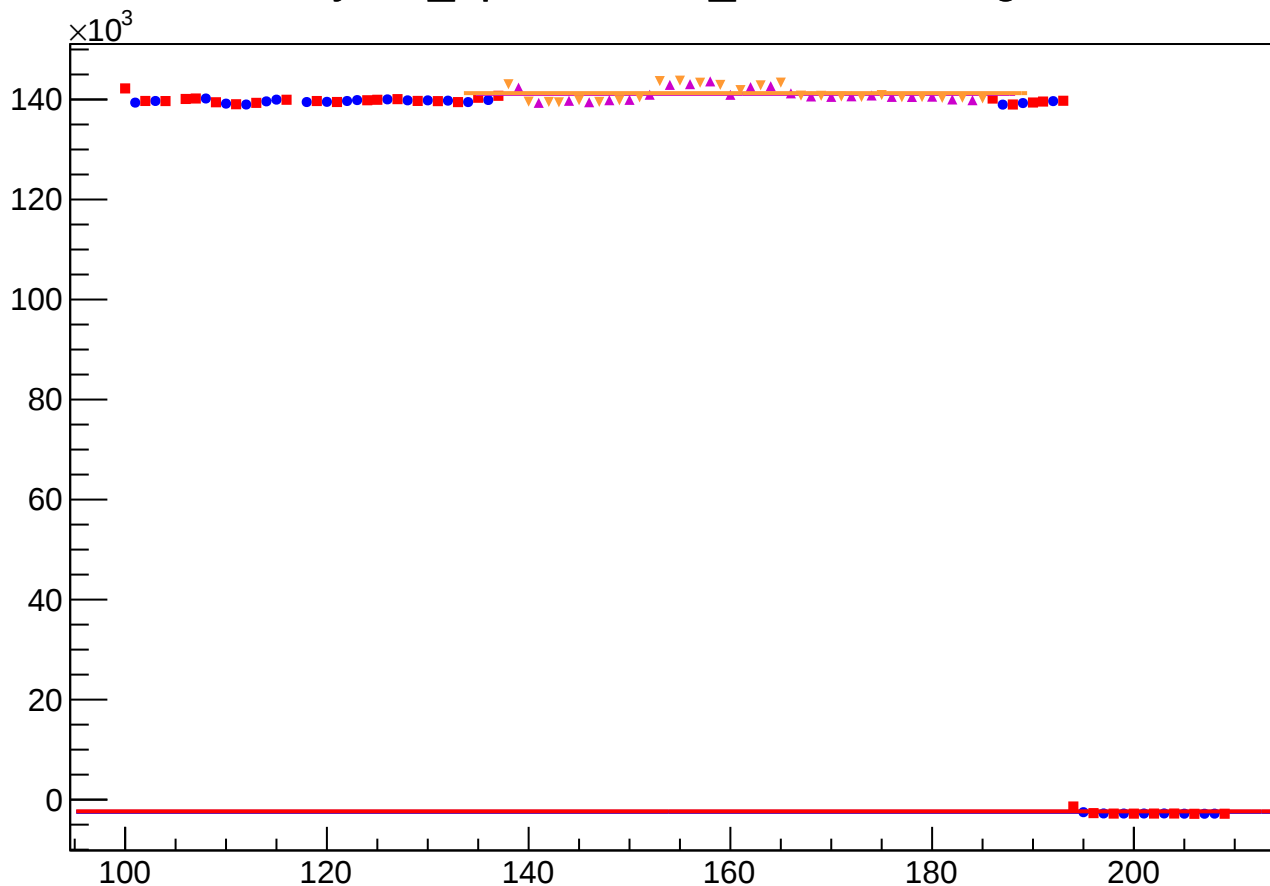
Left In: 219.426 $\pm$ 0.038 χ^2 /NDF:850089.5/22

+ sign 7.851 $\pm$ 0.002 χ^2 /NDF: 48771118.7/52

All: 7.881 $\pm$ 0.001 χ^2 /NDF: 98037321.5/107

- sign 7.914 $\pm$ 0.002 χ^2 /NDF: 49265712.2/54

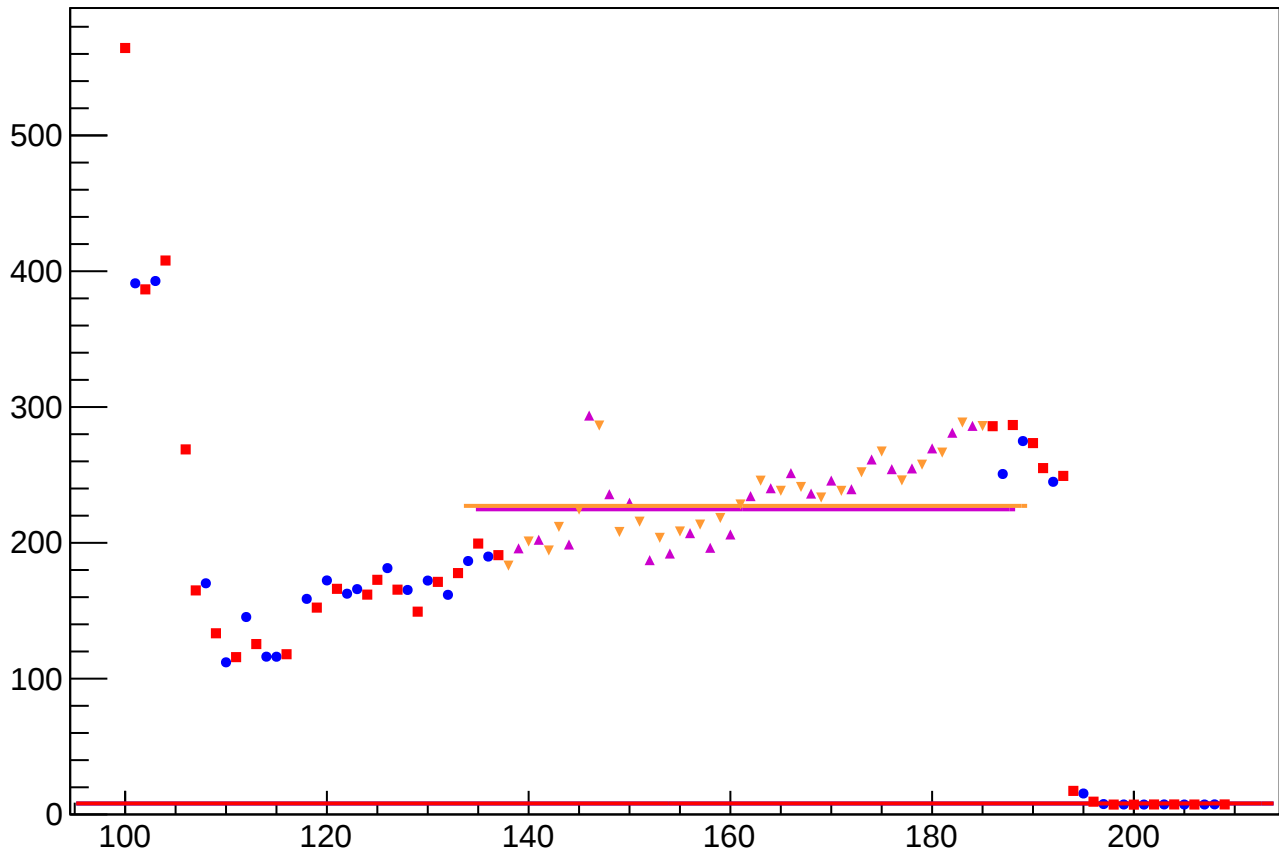
yield_bpm0l09WS_mean vs Slug



Right In: -2439.074 ± 0.003 $\chi^2/\text{NDF}: 4865909847419.4/27$
 Left Out: 141268.791 ± 0.054 $\chi^2/\text{NDF}: 795989244.2/24$
 Right Out: -2338.536 ± 0.003 $\chi^2/\text{NDF}: 5790451540739.2/31$
 Left In: 141119.484 ± 0.055 $\chi^2/\text{NDF}: 565312728.1/22$

+ sign -1950.800 ± 0.003 $\chi^2/\text{NDF}: 1200428473207$
 All: -1894.331 ± 0.002 $\chi^2/\text{NDF}: 2459639151$
 - sign -1833.093 ± 0.003 $\chi^2/\text{NDF}: 1259142836155$

yield_bpm0l09WS_rms vs Slug



Right In: 8.054 ± 0.002 χ^2/NDF : 15079846.2/27

Left Out: 227.224 ± 0.038 χ^2/NDF : 484955.3/24

Right Out: 8.112 ± 0.002 χ^2/NDF : 17501208.2/31

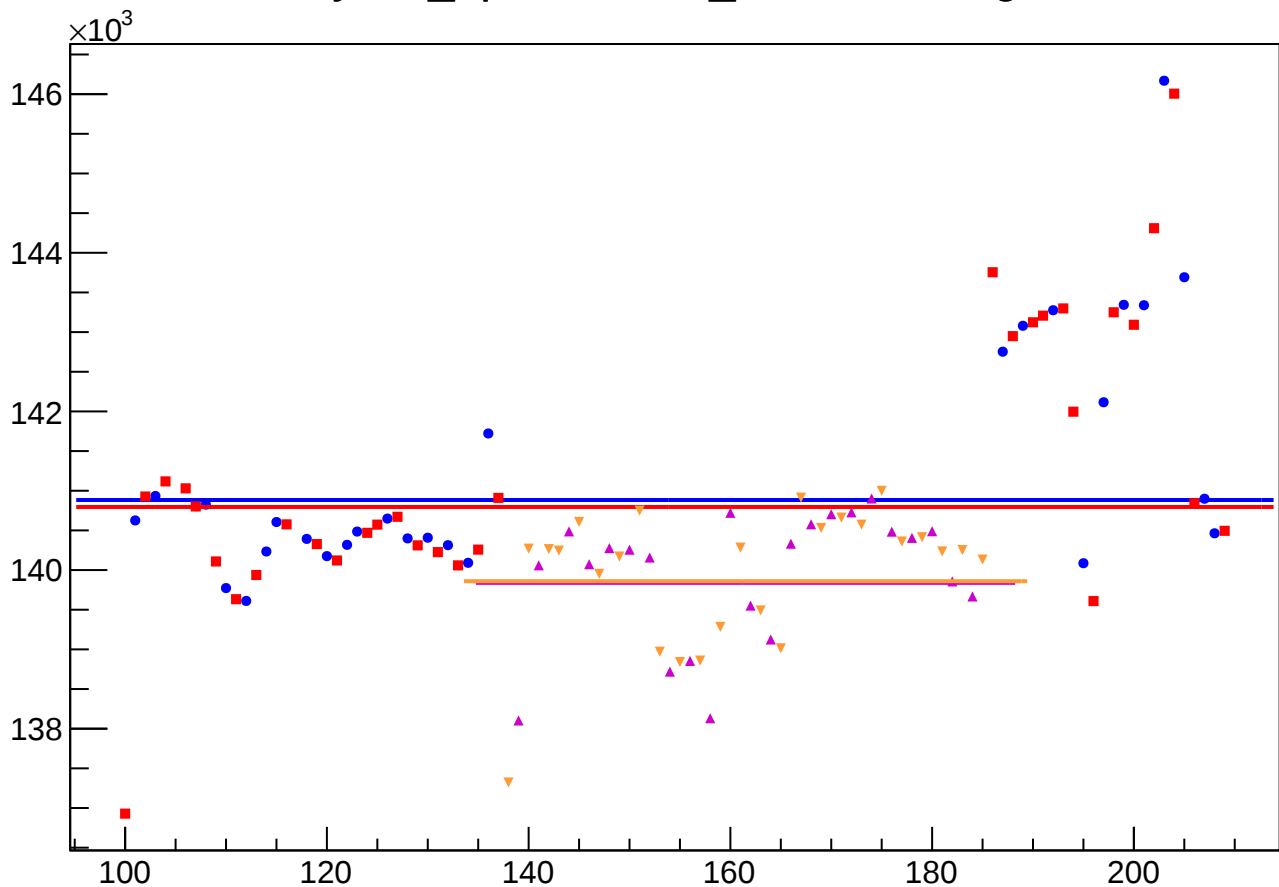
Left In: 224.686 ± 0.039 χ^2/NDF : 578366.0/22

+ sign 8.799 ± 0.002 χ^2/NDF : 48768147.7/52

All: 8.836 ± 0.002 χ^2/NDF : 97845915.1/107

- sign 8.875 ± 0.002 χ^2/NDF : 49077192.3/54

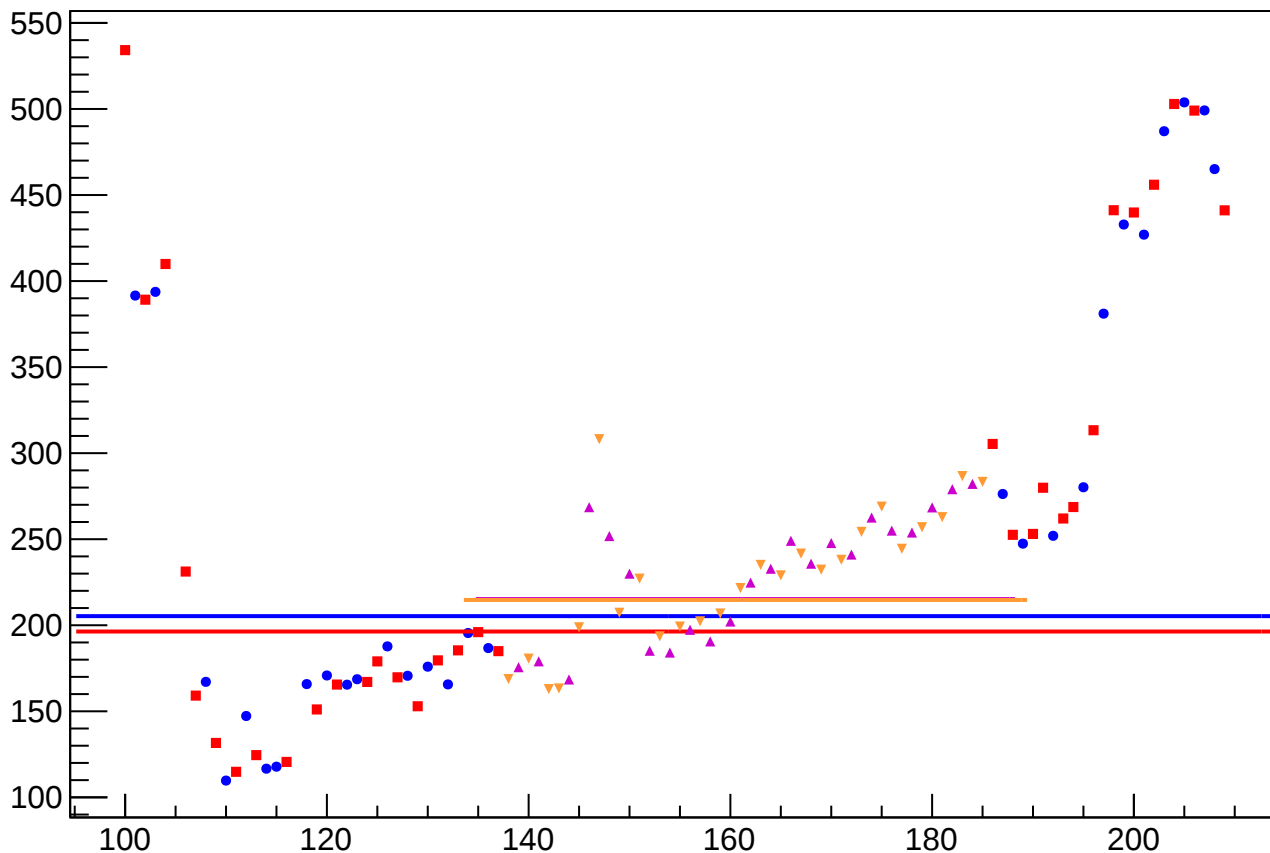
yield_bpm0l10WS_mean vs Slug



Right In: 140883.116 ± 0.060 $\chi^2/\text{NDF}: 428740724.3/27$
 Left Out: 139859.696 ± 0.051 $\chi^2/\text{NDF}: 330118281.5/24$
 Right Out: 140795.486 ± 0.055 $\chi^2/\text{NDF}: 504720314.2/31$
 Left In: 139838.724 ± 0.053 $\chi^2/\text{NDF}: 279573689.3/22$

+ sign 140286.209 ± 0.039 $\chi^2/\text{NDF}: 926043387.0/5$
 All: 140290.918 ± 0.027 $\chi^2/\text{NDF}: 186710895$
 - sign 140295.423 ± 0.038 $\chi^2/\text{NDF}: 941037075.3/5$

yield_bpm0l10WS_rms vs Slug



Right In: 205.295+/-0.043 χ^2/NDF : 5175910.2/27

Left Out: 214.693+/-0.036 χ^2/NDF :981105.5/24

Right Out: 196.355+/-0.039 χ^2/NDF : 5660926.5/31

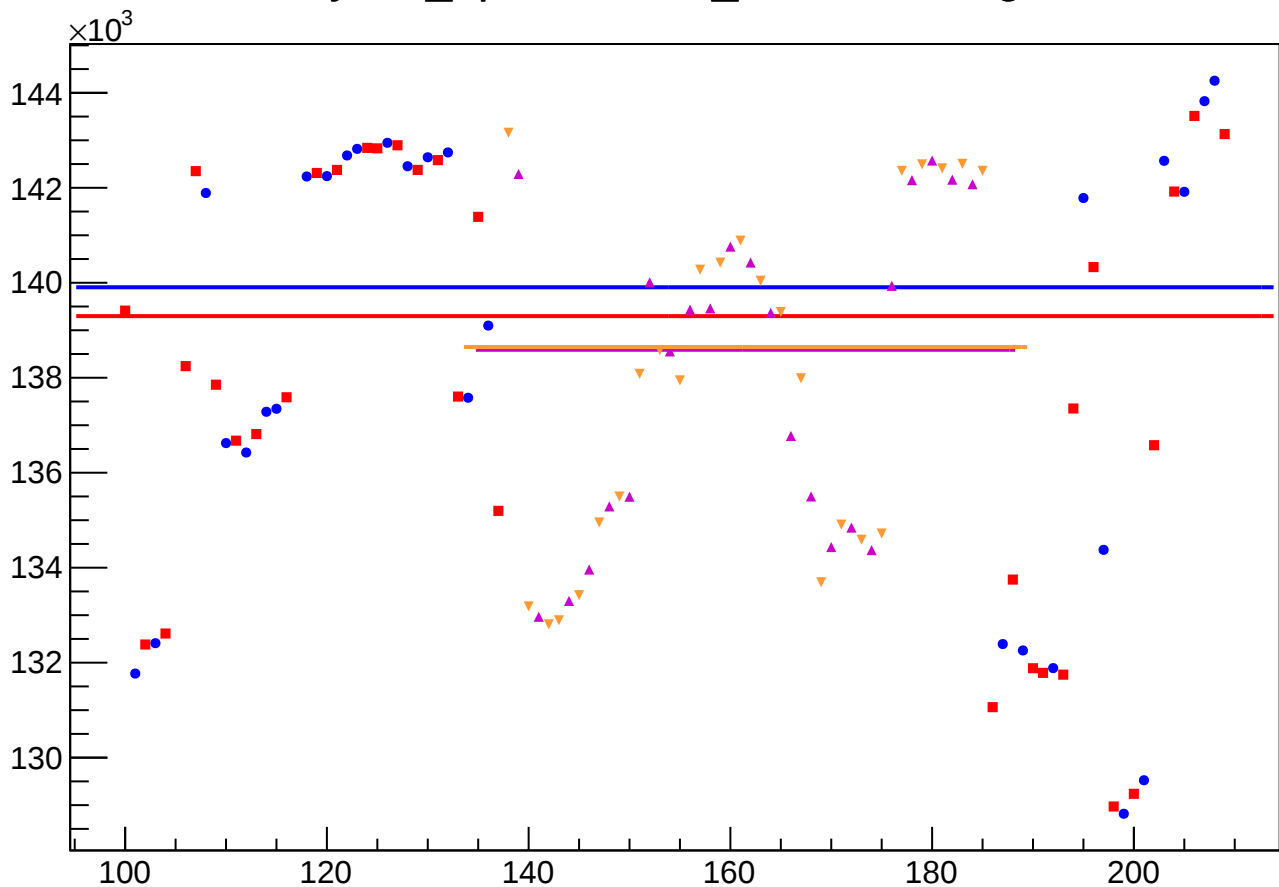
Left In: 215.222+/-0.037 χ^2/NDF :881945.0/22

+ sign 210.776+/-0.028 χ^2/NDF : 6185209.6/52

All: 208.446+/-0.019 χ^2/NDF : 12863946.3/10

- sign 206.216+/-0.027 χ^2/NDF : 6664777.5/54

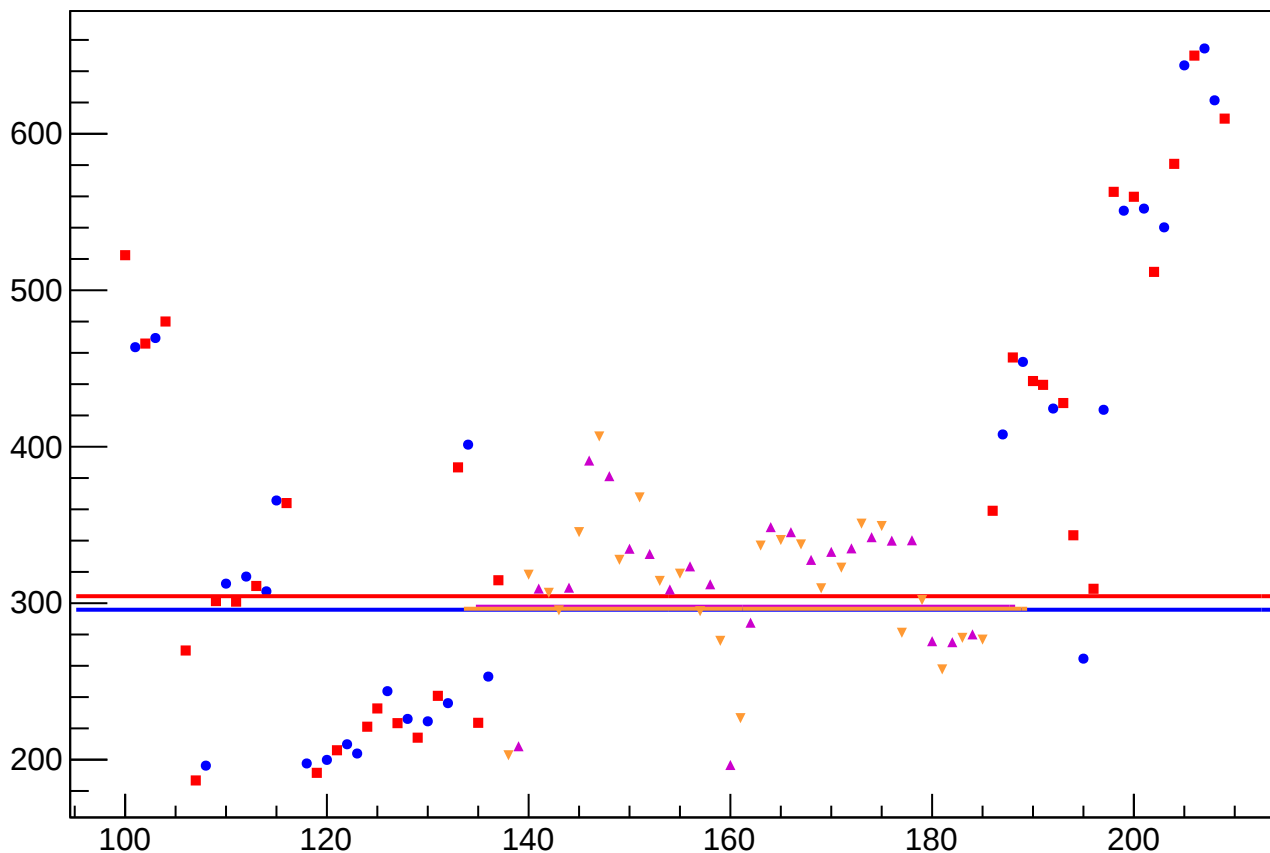
yield_bpm0r03WS_mean vs Slug



Right In: 139905.186 $\pm$ 0.086 χ^2 /NDF: 2257007313.8/27
 Left Out: 138646.366 $\pm$ 0.071 χ^2 /NDF: 2548637600.4/24
 Right Out: 139297.489 $\pm$ 0.084 χ^2 /NDF: 2417328161.0/31
 Left In: 138588.711 $\pm$ 0.074 χ^2 /NDF: 1948065195.1/22

+ sign 139157.940 $\pm$ 0.055 χ^2 /NDF: 4933933641.2
 All: 139029.901 $\pm$ 0.039 χ^2 /NDF: 935096007
 - sign 138898.726 $\pm$ 0.055 χ^2 /NDF: 4405888257.0

yield_bpm0r03WS_rms vs Slug



Right In: 295.833+/-0.061 χ^2/NDF : 4120698.5/27

Left Out: 296.464+/-0.050 χ^2/NDF : 893579.7/24

Right Out: 304.479+/-0.059 χ^2/NDF : 4156496.5/31

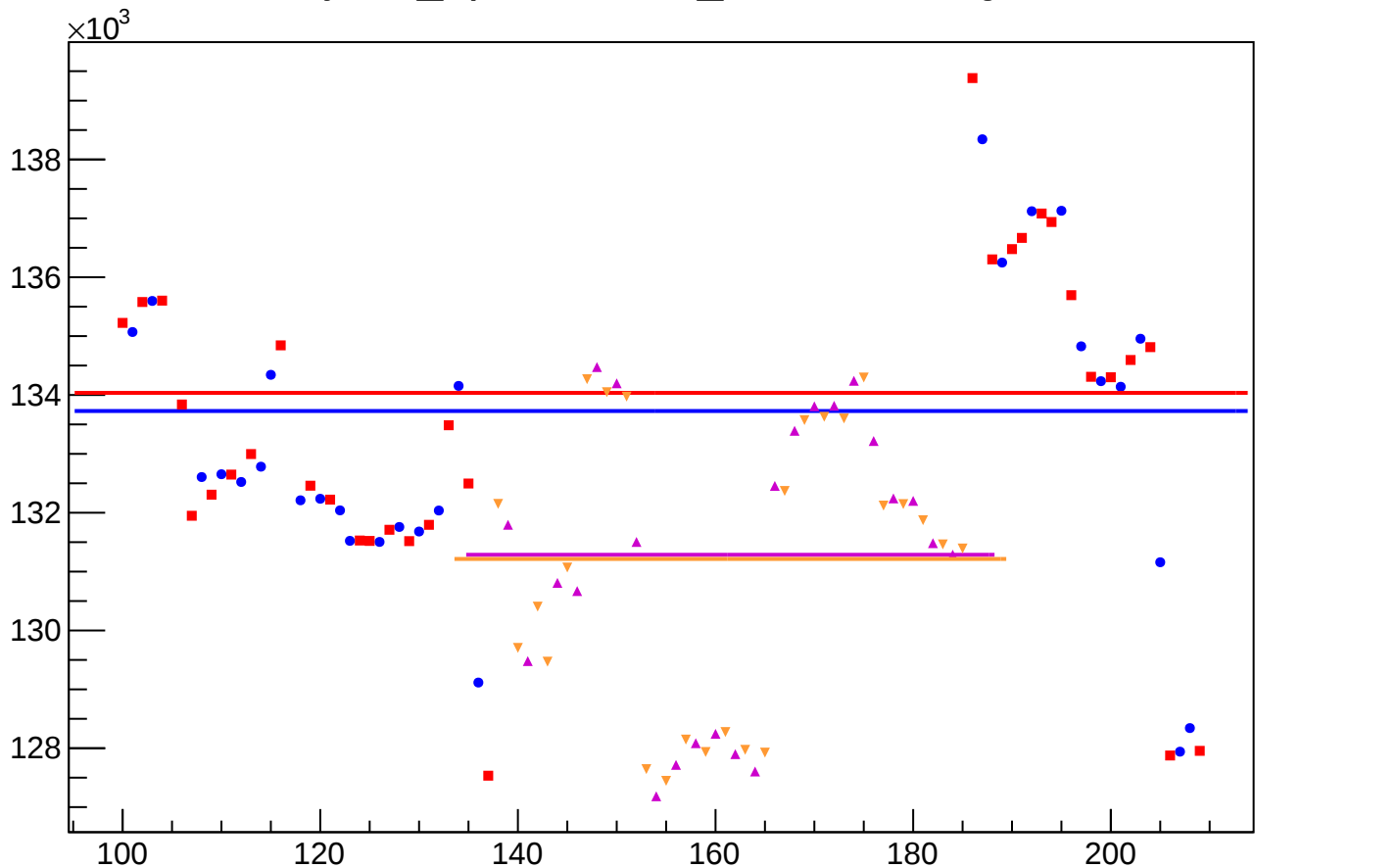
Left In: 297.774+/-0.052 χ^2/NDF : 1061489.5/22

+ sign 296.208+/-0.039 χ^2/NDF : 5014342.7/52

All: 298.430+/-0.027 χ^2/NDF : 10246285.7/10

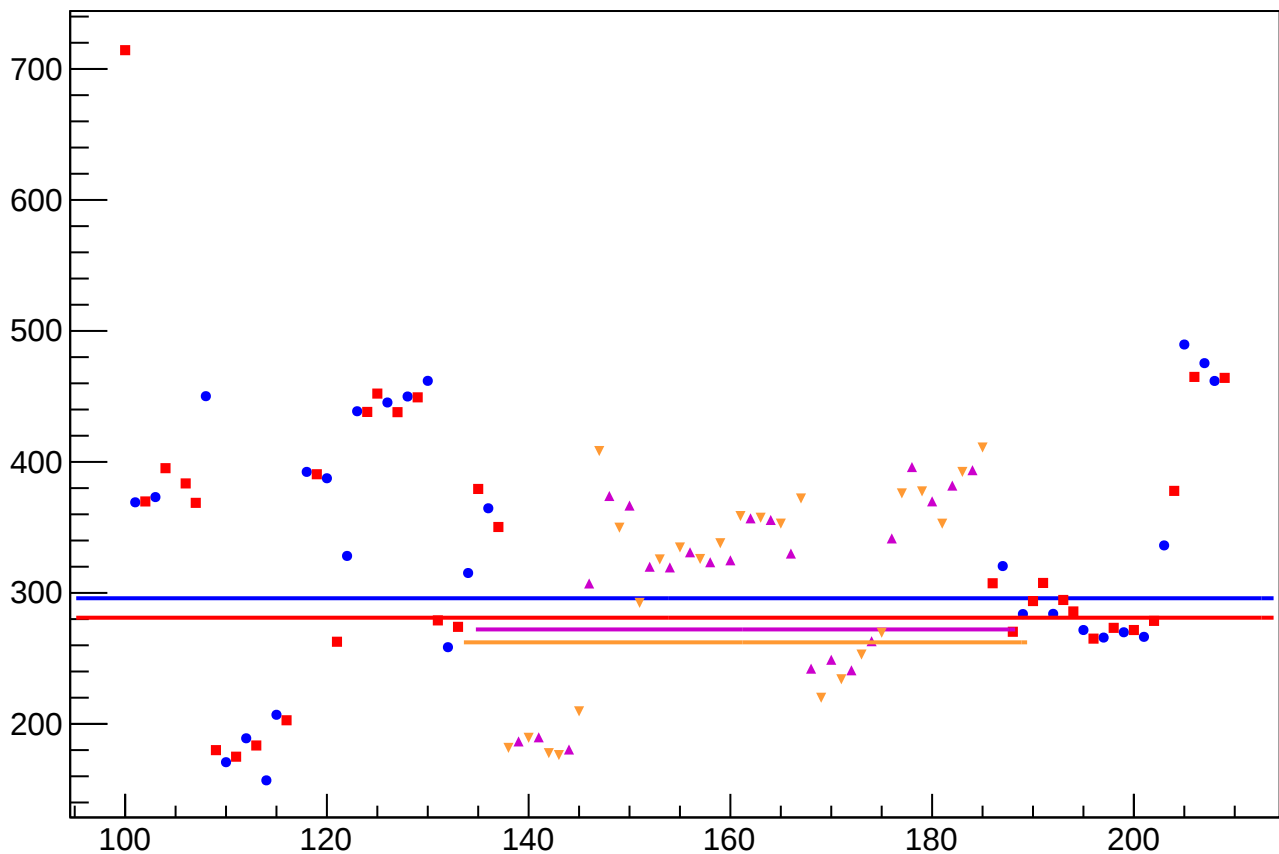
- sign 300.707+/-0.039 χ^2/NDF : 5225232.9/54

yield_bpm0r05WS_mean vs Slug



Right In: 133727.847 $\pm$ 0.082	χ^2 /NDF: 837599697.4/27	+ sign 132172.309 $\pm$ 0.051	χ^2 /NDF: 2592578708.0/27
Left Out: 131214.985 $\pm$ 0.064	χ^2 /NDF: 1173424494.6/24	All: 132358.166 $\pm$ 0.036	χ^2 /NDF: 539215658.0/24
Right Out: 134036.026 $\pm$ 0.075	χ^2 /NDF: 976356731.4/31	- sign 132542.247 $\pm$ 0.050	χ^2 /NDF: 2772726982.1/31
Left In: 131285.623 $\pm$ 0.068	χ^2 /NDF: 1056232192.1/22		

yield_bpm0r05WS_rms vs Slug



Right In: 295.922 $\pm$ 0.058 χ^2 /NDF: 2261752.6/27

Left Out: 262.260 $\pm$ 0.045 χ^2 /NDF: 2818169.1/24

Right Out: 281.071 $\pm$ 0.053 χ^2 /NDF: 2311343.8/31

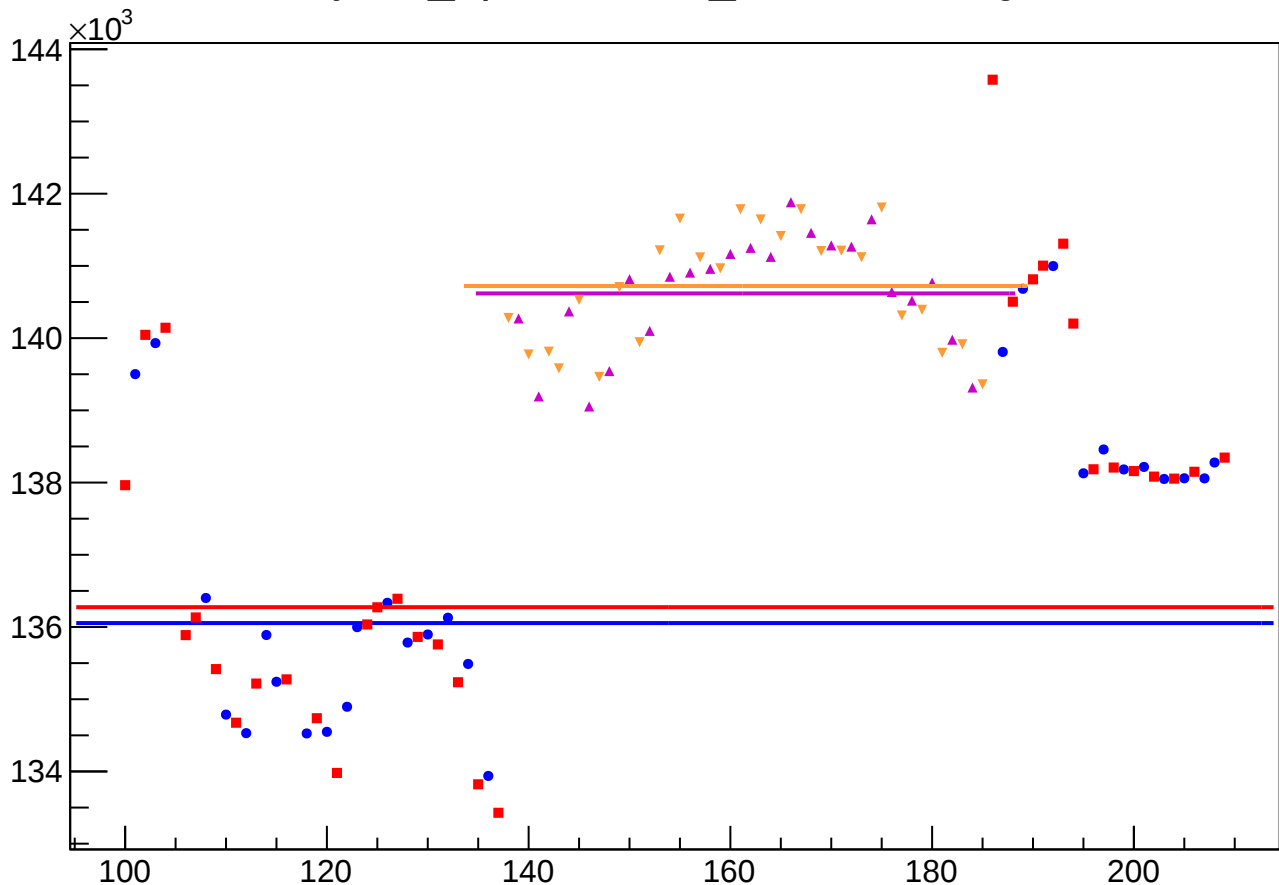
Left In: 272.115 $\pm$ 0.048 χ^2 /NDF: 2221925.0/22

+ sign 275.084 $\pm$ 0.036 χ^2 /NDF: 5288651.4/52

All: 275.648 $\pm$ 0.025 χ^2 /NDF: 9838112.0/107

- sign 276.207 $\pm$ 0.036 χ^2 /NDF: 4548966.0/54

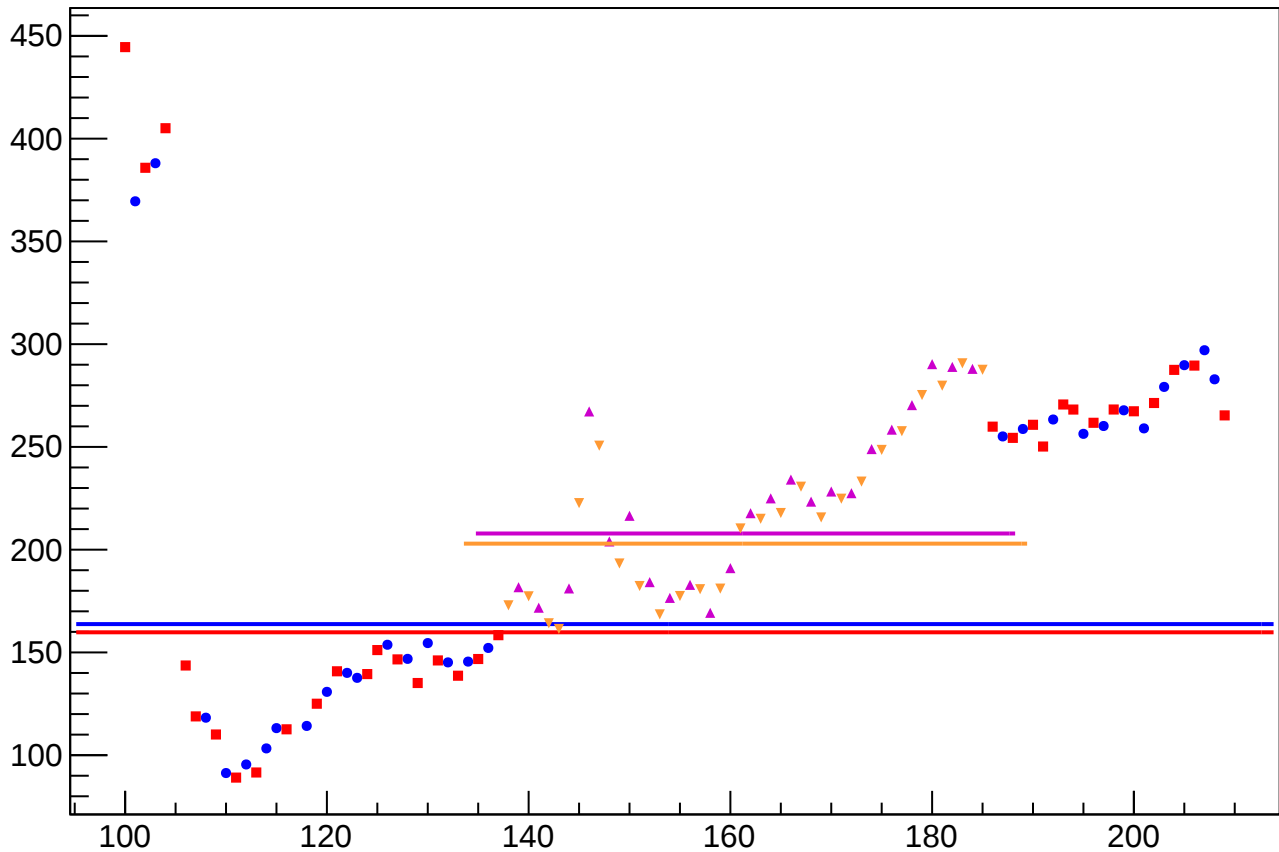
yield_bpm0i02WS_mean vs Slug



Right In: 136054.553 $\pm$ 0.047 χ^2 /NDF: 1489693557.7/27
 Left Out: 140721.823 $\pm$ 0.048 χ^2 /NDF: 247257762.8/24
 Right Out: 136274.693 $\pm$ 0.045 χ^2 /NDF: 2140448915.3/31
 Left In: 140619.038 $\pm$ 0.051 χ^2 /NDF: 200370178.0/22

+ sign 138343.852 $\pm$ 0.034 χ^2 /NDF: 6473490824.0
 All: 138247.907 $\pm$ 0.024 χ^2 /NDF: 12934204
 - sign 138153.681 $\pm$ 0.034 χ^2 /NDF: 6444838373.3/

yield_bpm0i02WS_rms vs Slug



Right In: 163.785 $\pm$ 0.034 χ^2 /NDF: 4550430.4/27

Left Out: 202.934 $\pm$ 0.034 χ^2 /NDF:1052283.6/24

Right Out: 159.791 $\pm$ 0.032 χ^2 /NDF: 5186323.6/31

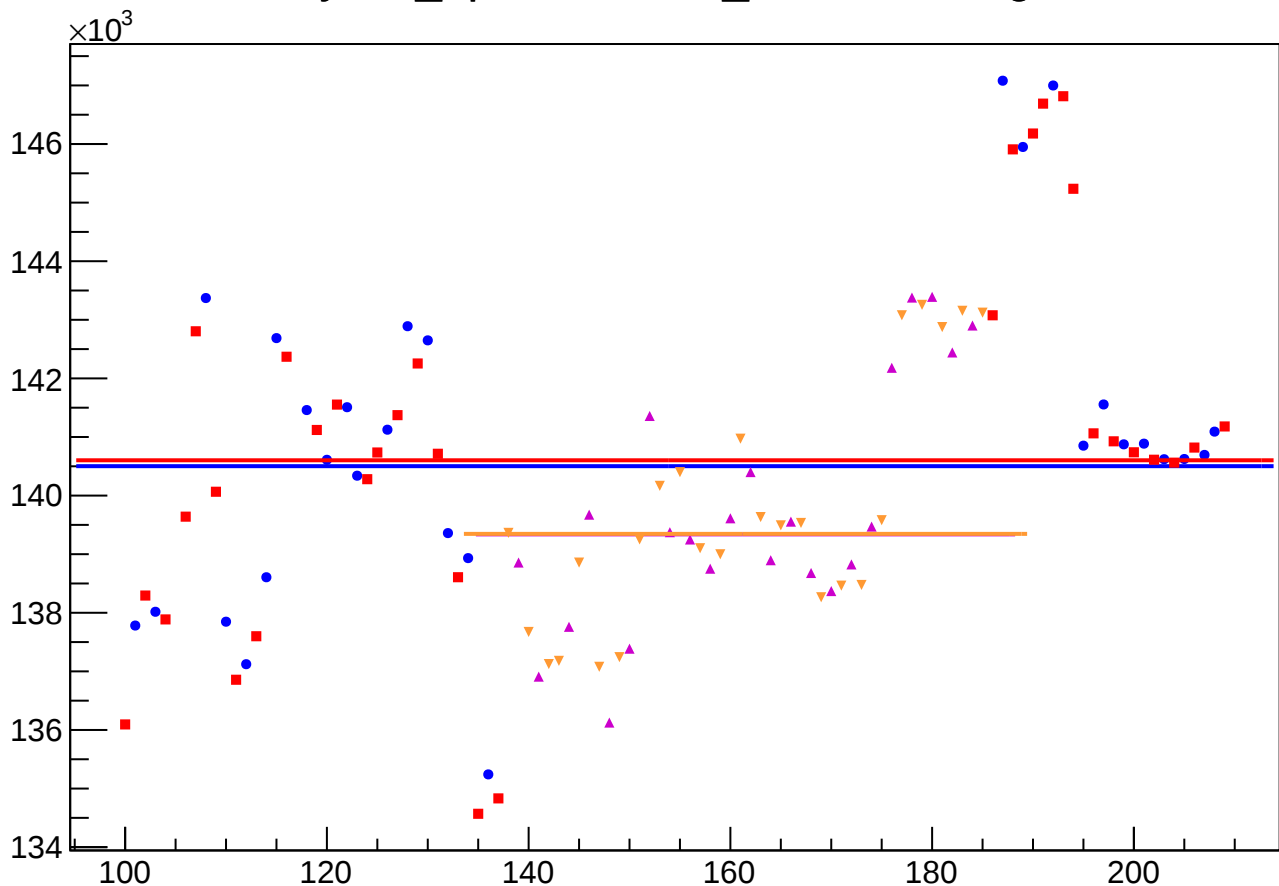
Left In: 207.872 $\pm$ 0.036 χ^2 /NDF:949200.3/22

+ sign 182.987 $\pm$ 0.024 χ^2 /NDF: 6269240.8/52

All: 181.776 $\pm$ 0.017 χ^2 /NDF: 13415237.6/10

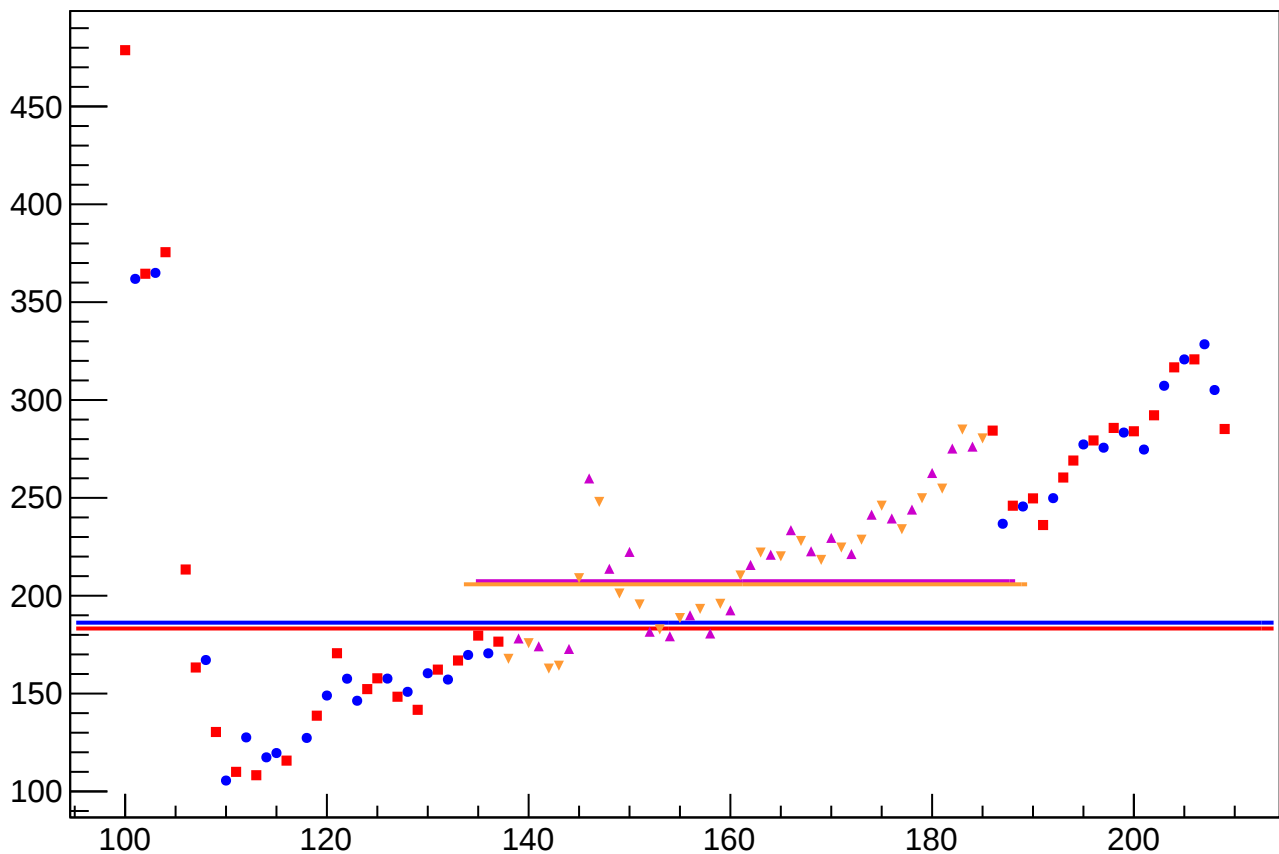
- sign 180.586 $\pm$ 0.024 χ^2 /NDF: 7140935.5/54

yield_bpm0i02aWS_mean vs Slug



Right In: 140501.959 $\pm$ 0.053 χ^2 /NDF: 2773668870.2/27
 Left Out: 139346.604 $\pm$ 0.049 χ^2 /NDF: 1271172976.7/24
 Right Out: 140602.511 $\pm$ 0.050 χ^2 /NDF: 3214802992.8/31
 Left In: 139337.874 $\pm$ 0.051 χ^2 /NDF: 1293003954.9/22
 All: 139929.656 $\pm$ 0.025 χ^2 /NDF: 912713432
 + sign 139878.669 $\pm$ 0.036 χ^2 /NDF: 4301234735.0
 - sign 139979.822 $\pm$ 0.036 χ^2 /NDF: 4821912213.6

yield_bpm0i02aWS_rms vs Slug



Right In: 186.233 $\pm$ 0.037 χ^2 /NDF: 3602209.2/27

Left Out: 205.833 $\pm$ 0.035 χ^2 /NDF: 738666.4/24

Right Out: 183.245 $\pm$ 0.035 χ^2 /NDF: 4069621.4/31

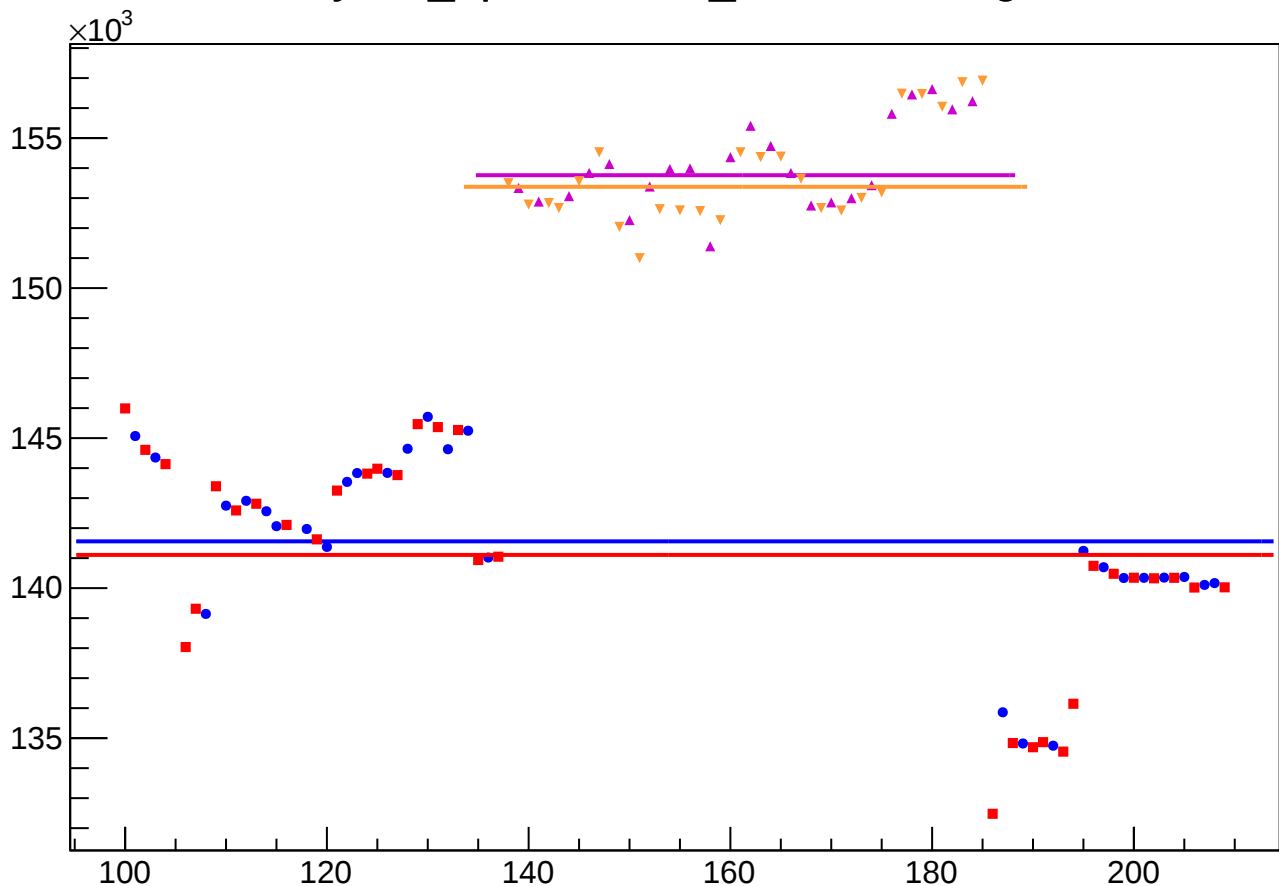
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 196.807 $\pm$ 0.025 χ^2 /NDF: 4488449.6/52

All: 195.970 $\pm$ 0.018 χ^2 /NDF: 9491670.4/107

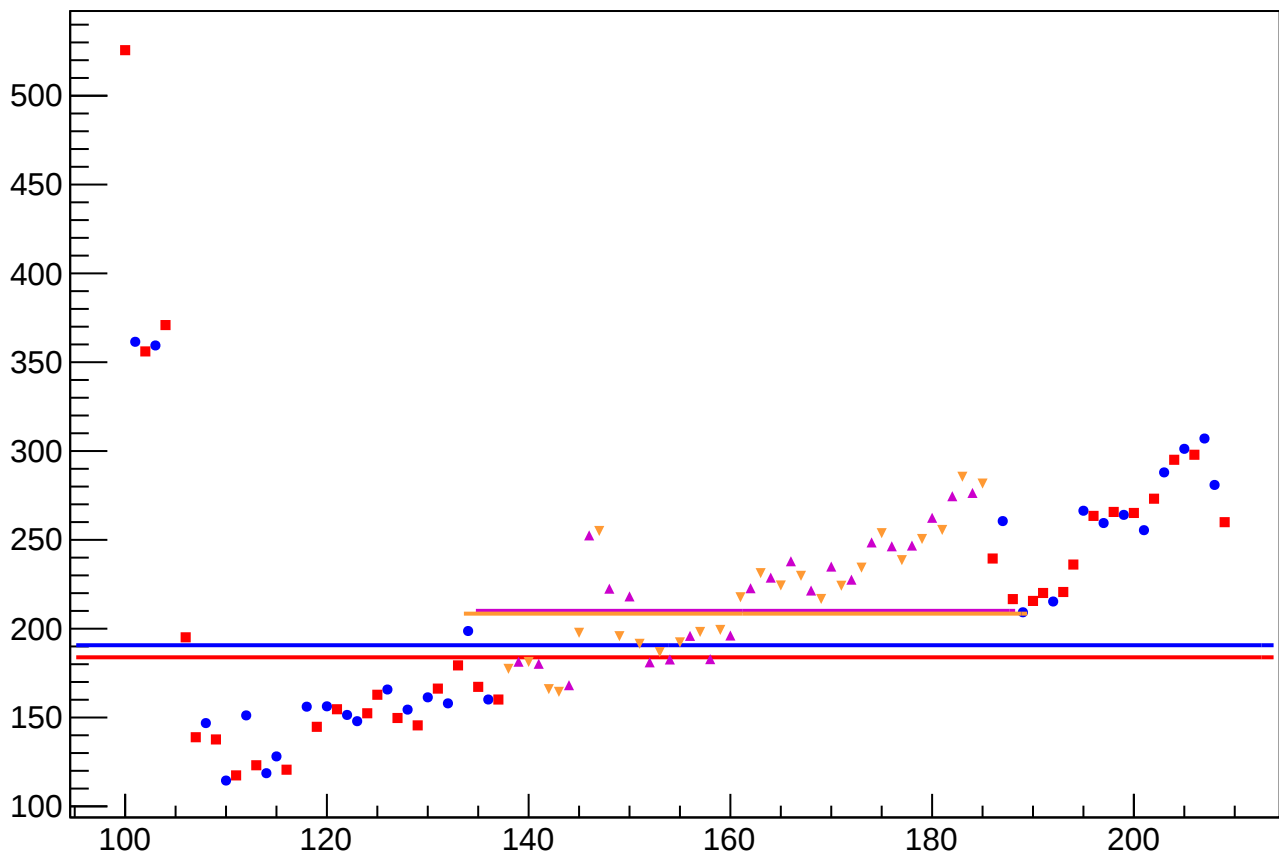
- sign 195.146 $\pm$ 0.025 χ^2 /NDF: 5001072.7/54

yield_bpm0i05WS_mean vs Slug



Right In: 141559.093 $\pm$ 0.053	χ^2 /NDF: 2708513230.6/27	+ sign 147899.341 $\pm$ 0.036	χ^2 /NDF: 29891608752.6
Left Out: 153376.698 $\pm$ 0.050	χ^2 /NDF: 803848095.1/24	All: 147524.372 $\pm$ 0.025	χ^2 /NDF: 667304954.6
Right Out: 141107.354 $\pm$ 0.049	χ^2 /NDF: 4442831530.5/31	- sign 147163.602 $\pm$ 0.036	χ^2 /NDF: 36629328745.6
Left In: 153762.419 $\pm$ 0.051	χ^2 /NDF: 635075685.0/22		

yield_bpm0i05WS_rms vs Slug



Right In: 190.690 $\pm$ 0.038 χ^2/NDF : 2663382.2/27

Left Out: 208.466 $\pm$ 0.035 χ^2/NDF : 720894.7/24

Right Out: 183.889 $\pm$ 0.035 χ^2/NDF : 2978736.8/31

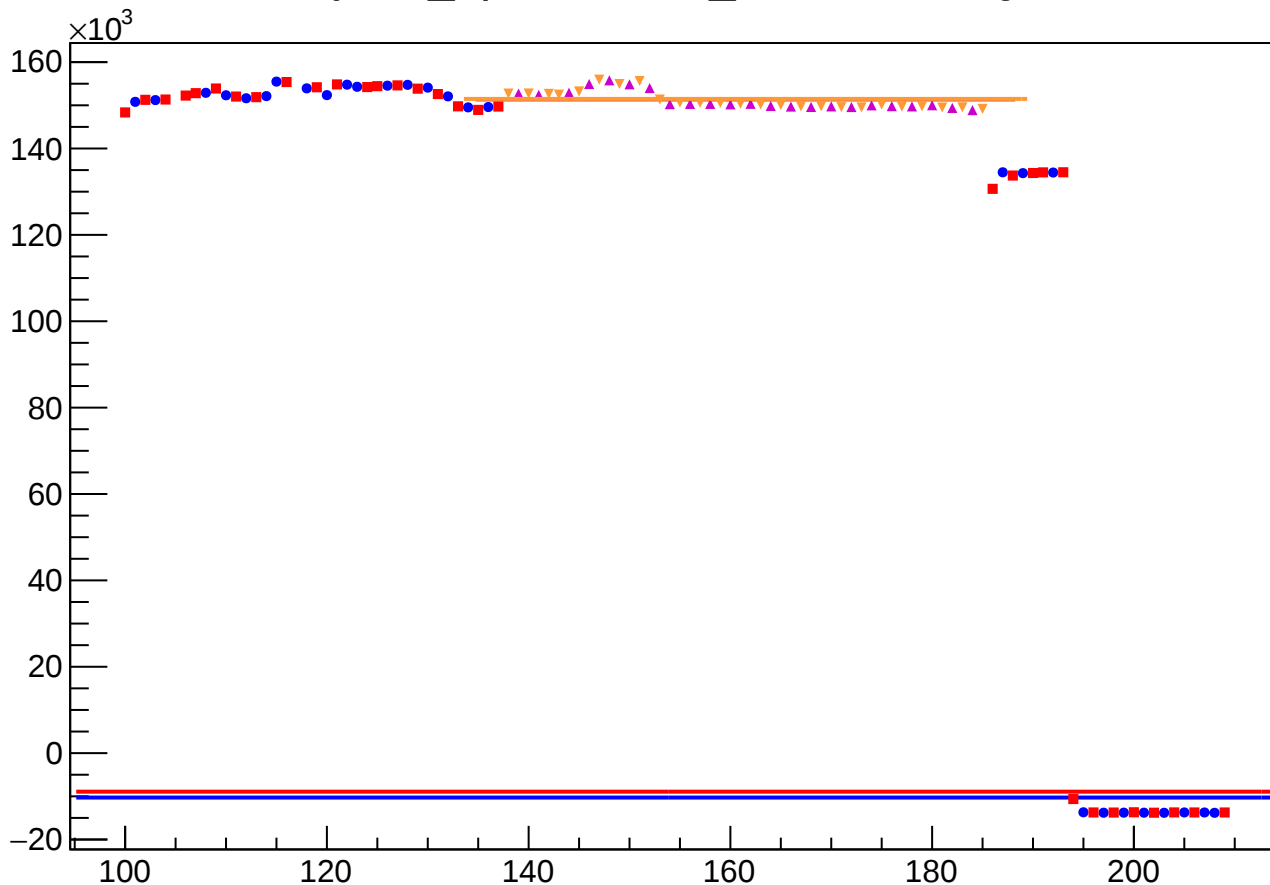
Left In: 210.038 $\pm$ 0.036 χ^2/NDF : 702369.5/22

+ sign 200.227 $\pm$ 0.026 χ^2/NDF : 3503648.9/52

All: 198.278 $\pm$ 0.018 χ^2/NDF : 7465491.0/107

- sign 196.403 $\pm$ 0.025 χ^2/NDF : 3950520.4/54

yield_bpm0i07WS_mean vs Slug



Right In: -10283.567 $\pm$ 0.010

χ^2 /NDF: 5886267257225.0/27

Left Out: 151483.385 $\pm$ 0.050

χ^2 /NDF: 1481910066.9/24

Right Out: -8920.588 $\pm$ 0.010

χ^2 /NDF: 7165882459009.7/31

Left In: 151363.165 $\pm$ 0.051

χ^2 /NDF: 1421662089.0/22

+ sign -4254.161 $\pm$ 0.010

χ^2 /NDF: 1616032068354

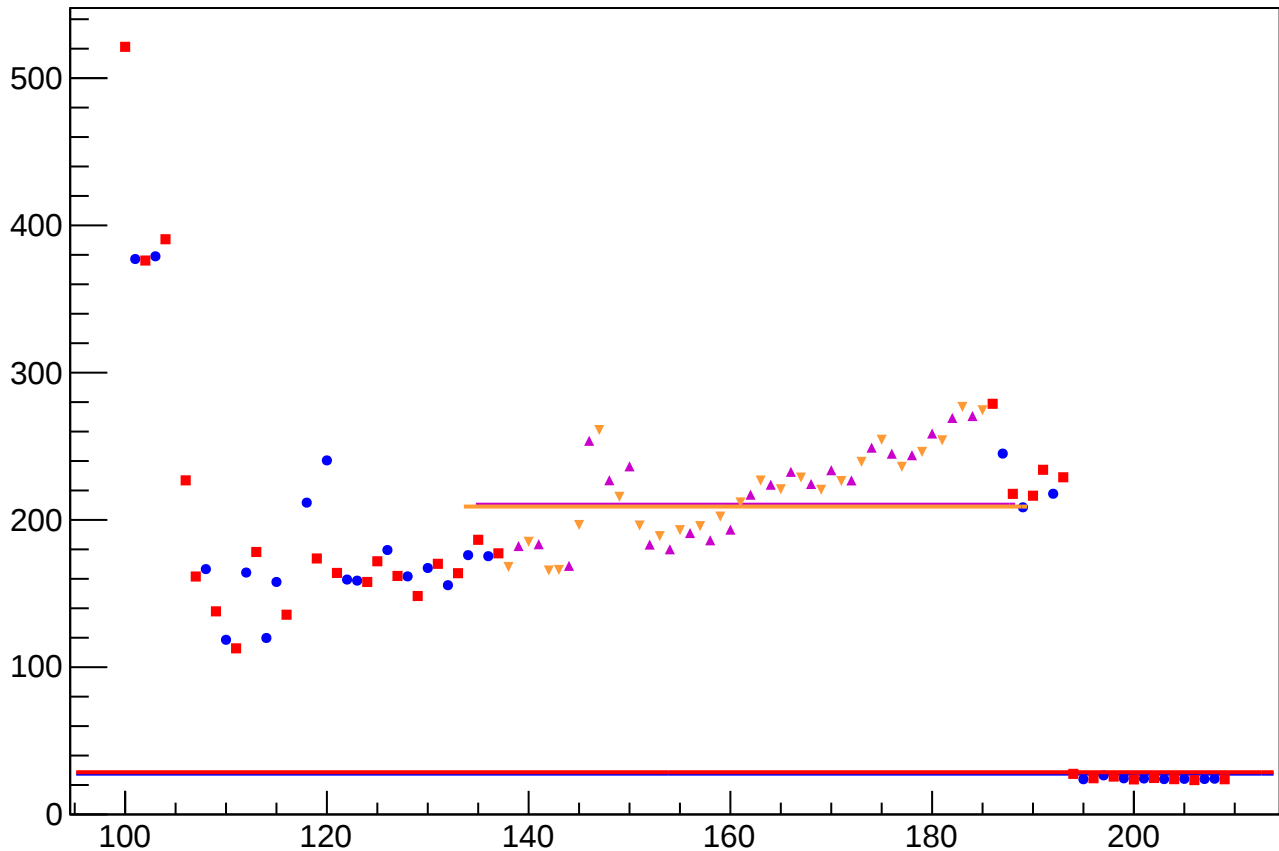
All: -3609.068 $\pm$ 0.007

χ^2 /NDF: 3269624322

- sign -2909.844 $\pm$ 0.010

χ^2 /NDF: 16526435406286

yield_bpm0i07WS_rms vs Slug



Right In: 27.708+/-0.007 χ^2/NDF : 11568555.9/27

Left Out: 209.076+/-0.035 χ^2/NDF : 708260.3/24

Right Out: 28.673+/-0.007 χ^2/NDF : 13528177.6/31

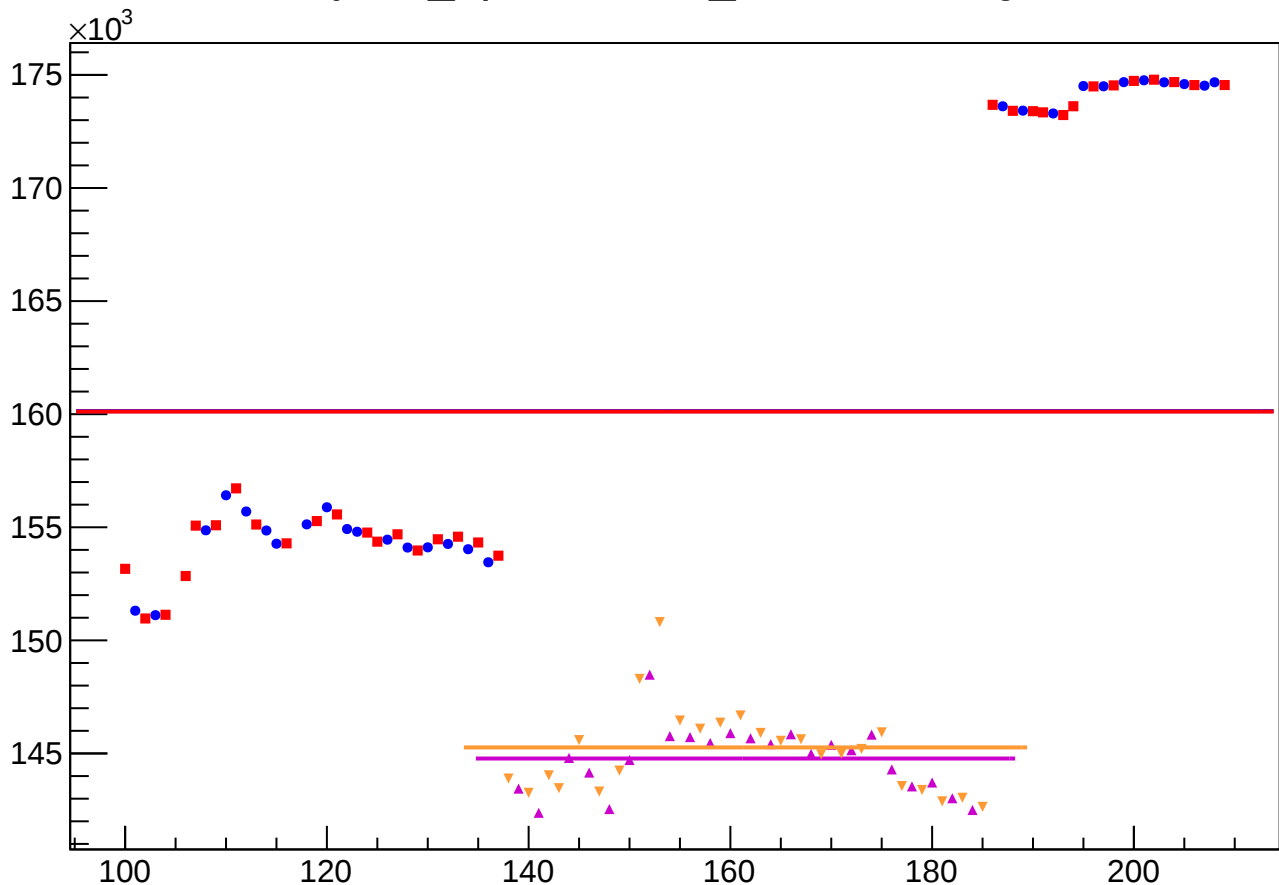
Left In: 210.345+/-0.036 χ^2/NDF : 677747.7/22

+ sign 34.468+/-0.007 χ^2/NDF : 38102534.8/52

All: 34.956+/-0.005 χ^2/NDF : 76366319.6/107

- sign 35.486+/-0.007 χ^2/NDF : 38252894.3/54

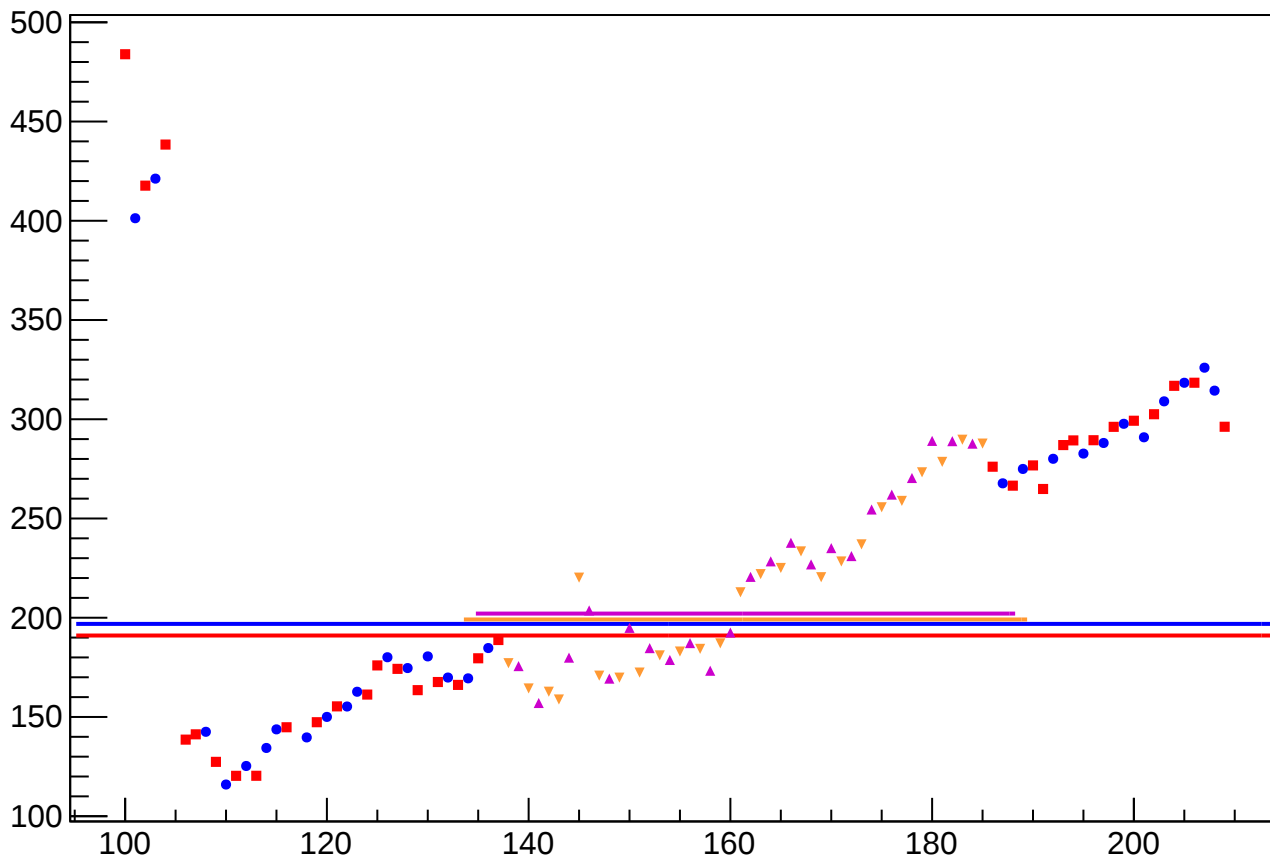
yield_bpm1i02WS_mean vs Slug



Right In: 160133.881 $\pm$ 0.056 χ^2 /NDF: 24678503999.1/27
 Left Out: 145266.717 $\pm$ 0.047 χ^2 /NDF: 1717707352.7/24
 Right Out: 160117.098 $\pm$ 0.052 χ^2 /NDF: 27854166075.1/31
 Left In: 144776.016 $\pm$ 0.050 χ^2 /NDF: 918120275.4/22

+ sign 151497.194 $\pm$ 0.036 χ^2 /NDF: 67635227131.1/27
 All: 151799.764 $\pm$ 0.025 χ^2 /NDF: 142276184.1/27
 - sign 152097.494 $\pm$ 0.036 χ^2 /NDF: 74501758621.8/27

yield_bpm1i02WS_rms vs Slug



Right In: 196.891+/-0.039 χ^2/NDF : 3569417.9/27

Left Out: 199.118+/-0.034 χ^2/NDF : 1152231.0/24

Right Out: 191.039+/-0.037 χ^2/NDF : 4068065.6/31

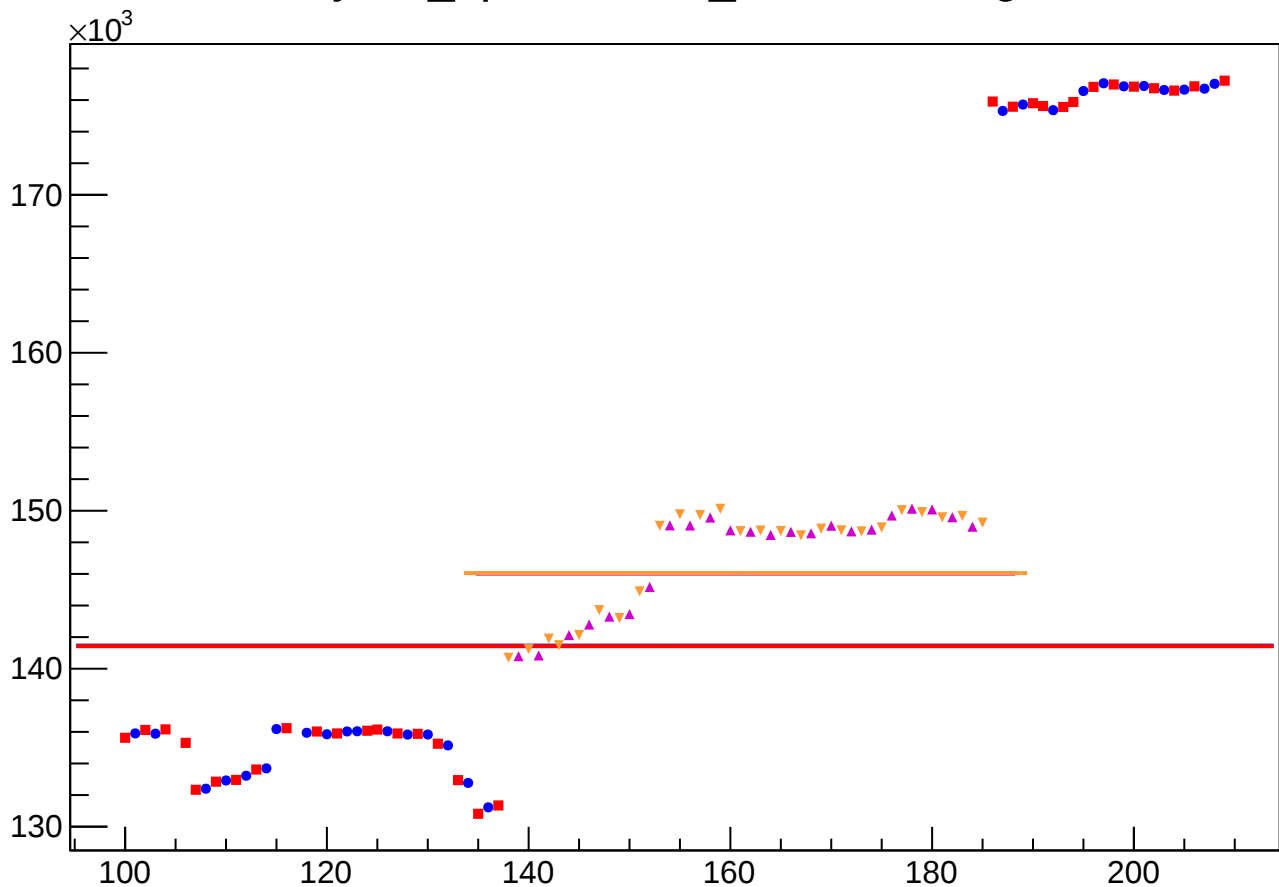
Left In: 202.090+/-0.035 χ^2/NDF : 1057833.2/22

+ sign 198.185+/-0.026 χ^2/NDF : 4723499.5/52

All: 197.495+/-0.018 χ^2/NDF : 9898305.9/107

- sign 196.816+/-0.025 χ^2/NDF : 5173359.3/54

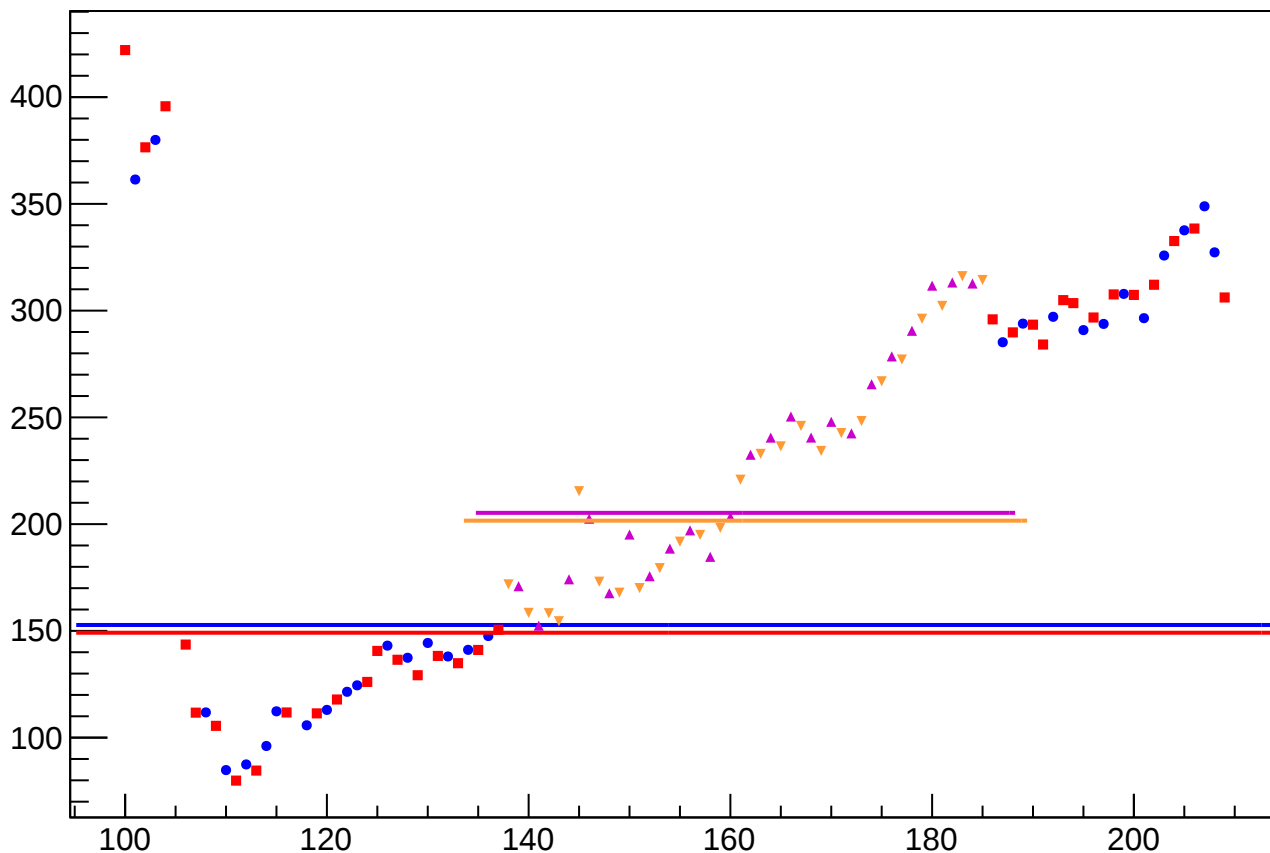
yield_bpm1i04WS_mean vs Slug



Right In: 141460.347 $\pm$ 0.046 χ^2/NDF : 120218324189.5/27
 Left Out: 146051.733 $\pm$ 0.048 χ^2/NDF : 5403300123.1/24
 Right Out: 141425.817 $\pm$ 0.043 χ^2/NDF : 137696086696.9/31
 Left In: 146020.015 $\pm$ 0.051 χ^2/NDF : 4591425371.4/22

+ sign 143640.055 $\pm$ 0.033 χ^2/NDF : 130367245180
 All: 143496.646 $\pm$ 0.023 χ^2/NDF : 277459835
 - sign 143357.018 $\pm$ 0.033 χ^2/NDF : 147055946398

yield_bpm1i04WS_rms vs Slug



Right In: 152.765 $\pm$ 0.032 χ^2 /NDF: 6282356.0/27

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF: 1589564.0/24

Right Out: 149.139 $\pm$ 0.031 χ^2 /NDF: 7104509.7/31

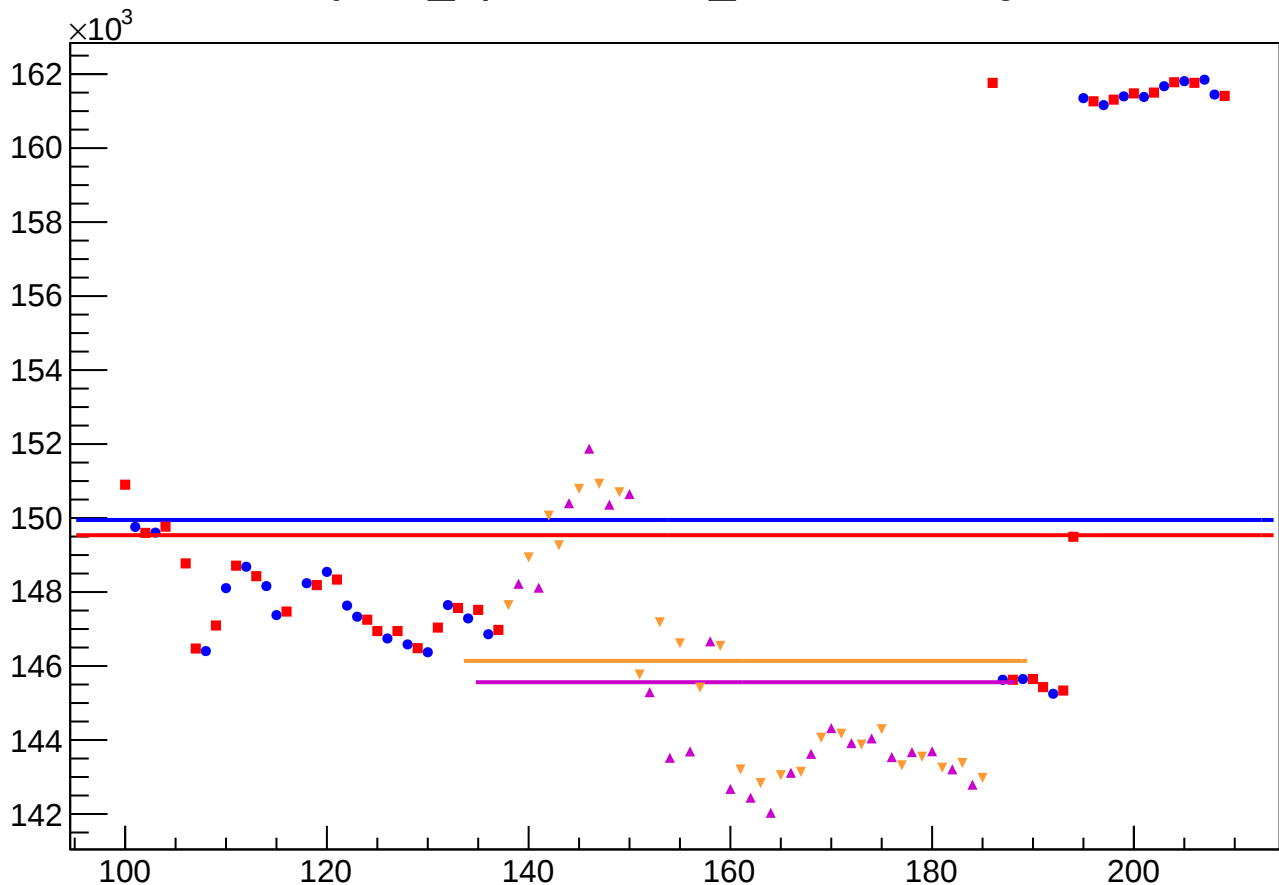
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF: 1425292.7/22

+ sign 175.964 $\pm$ 0.024 χ^2 /NDF: 8947030.9/52

All: 174.331 $\pm$ 0.017 χ^2 /NDF: 18910763.8/10

- sign 172.741 $\pm$ 0.023 χ^2 /NDF: 9954229.6/54

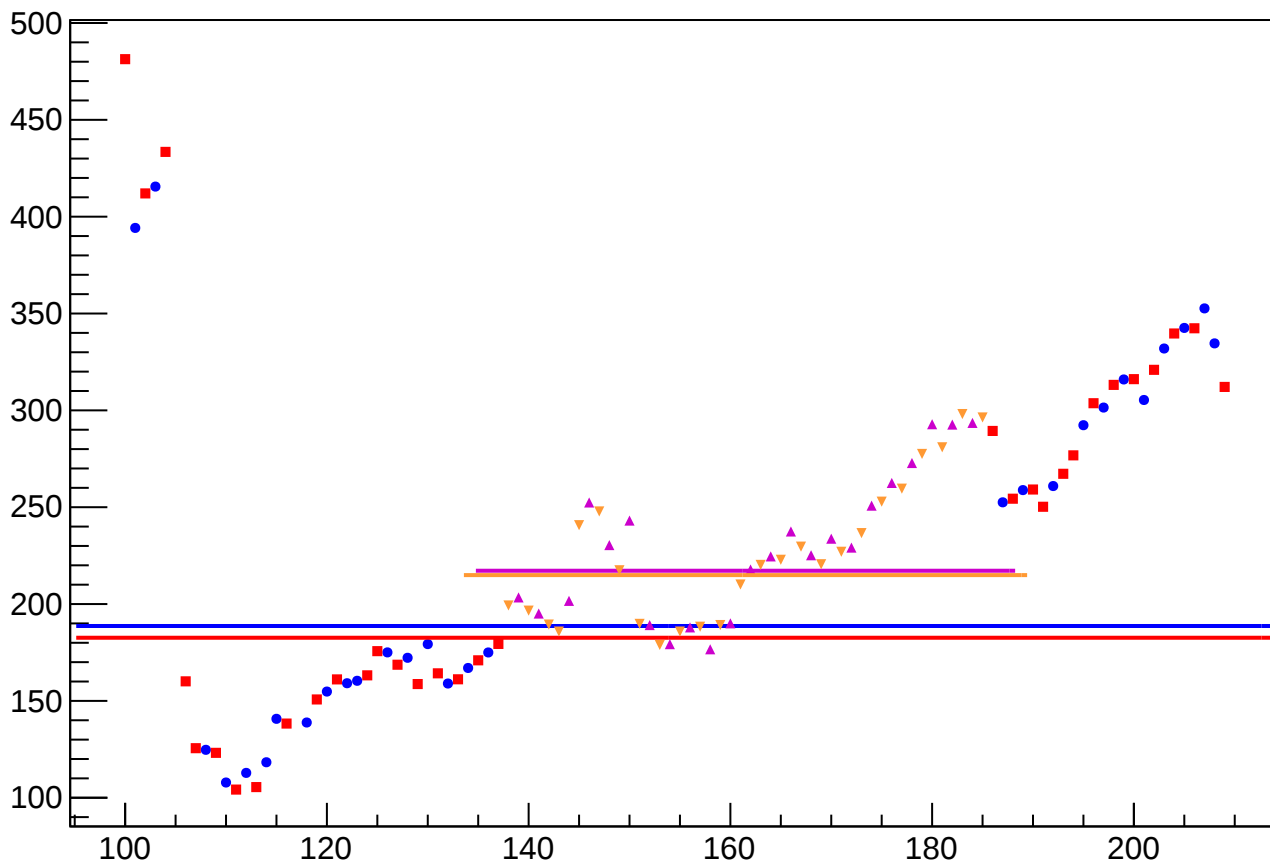
yield_bpm1i06WS_mean vs Slug



Right In: 149948.587 ± 0.054 $\chi^2/\text{NDF}: 10118135899.5/27$
 Left Out: 146139.326 ± 0.051 $\chi^2/\text{NDF}: 2699546907.6/24$
 Right Out: 149536.915 ± 0.050 $\chi^2/\text{NDF}: 9722611476.1/31$
 Left In: 145562.386 ± 0.053 $\chi^2/\text{NDF}: 3054641996.0/22$

+ sign 147919.566 ± 0.037 $\chi^2/\text{NDF}: 15434601351.3/27$
 All: 147783.376 ± 0.026 $\chi^2/\text{NDF}: 311867839.5/27$
 - sign 147651.570 ± 0.037 $\chi^2/\text{NDF}: 15725740365.3/27$

yield_bpm1i06WS_rms vs Slug



Right In: 188.673 $\pm$ 0.038 χ^2 /NDF: 4319194.1/27

Left Out: 214.945 $\pm$ 0.036 χ^2 /NDF: 728515.5/24

Right Out: 182.607 $\pm$ 0.036 χ^2 /NDF: 4856187.9/31

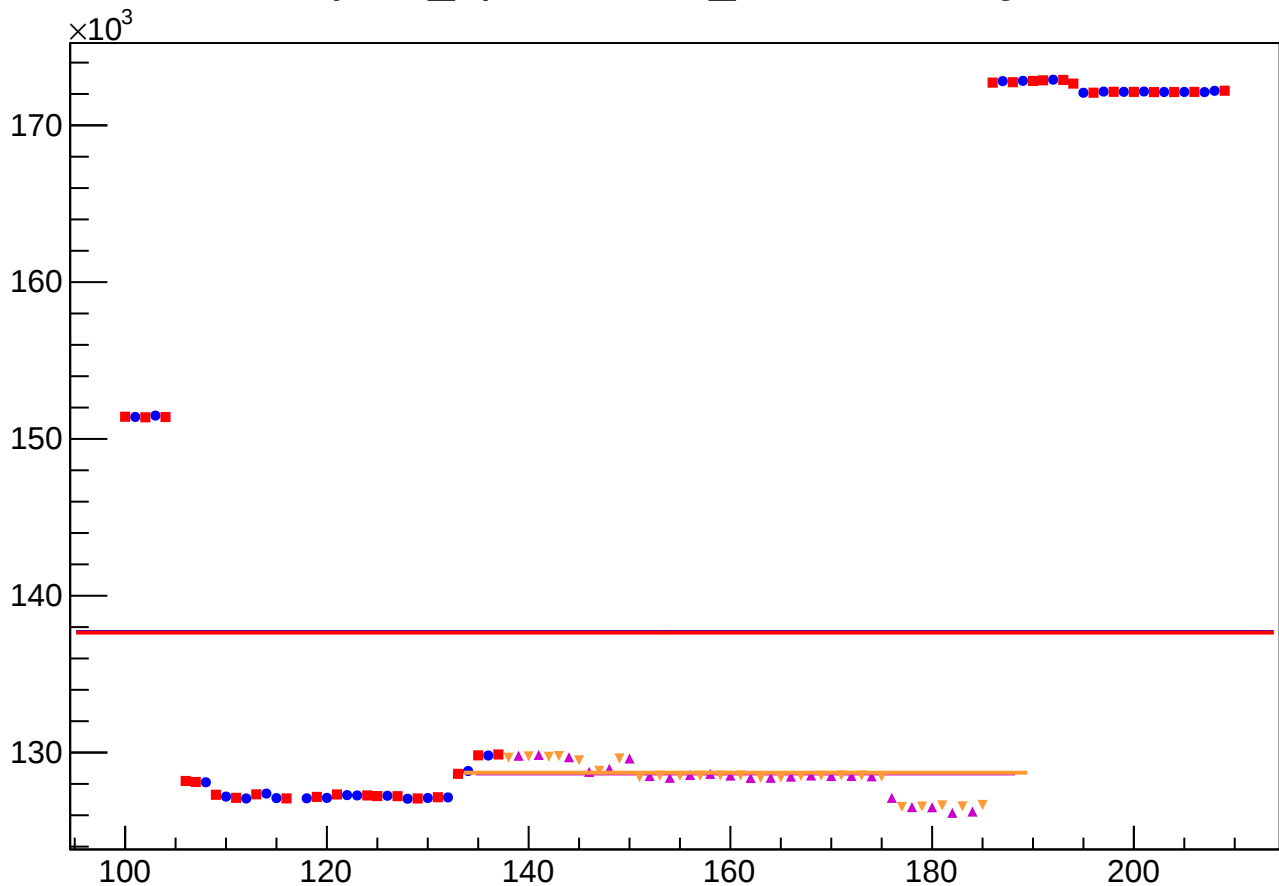
Left In: 217.203 $\pm$ 0.038 χ^2 /NDF: 764798.3/22

+ sign 202.667 $\pm$ 0.026 χ^2 /NDF: 5296673.4/52

All: 200.812 $\pm$ 0.018 χ^2 /NDF: 11374279.5/10

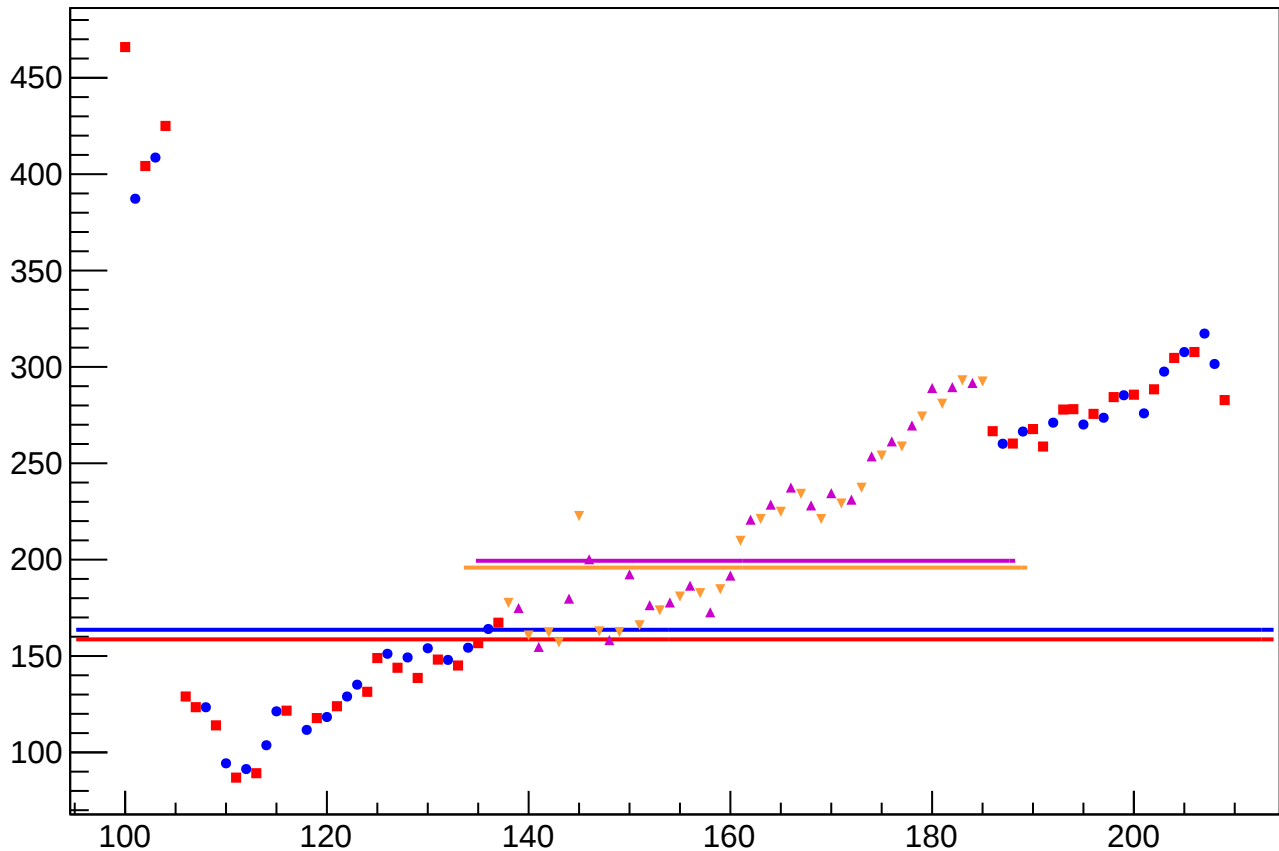
- sign 199.018 $\pm$ 0.026 χ^2 /NDF: 6067802.2/54

yield_bpm2i01WS_mean vs Slug



Right In: 137689.751 $\pm$ 0.048 χ^2 /NDF: 150195125937.2/27
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 137650.372 $\pm$ 0.045 χ^2 /NDF: 174027322145.8/31
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22
 + sign 133085.762 $\pm$ 0.033 χ^2 /NDF: 168534273324
 All: 133338.886 $\pm$ 0.023 χ^2 /NDF: 361412753
 - sign 133584.696 $\pm$ 0.033 χ^2 /NDF: 192765581268

yield_bpm2i01WS_rms vs Slug



Right In: 163.613 $\pm$ 0.034 χ^2 /NDF: 5103947.9/27

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 158.635 $\pm$ 0.031 χ^2 /NDF: 5774925.1/31

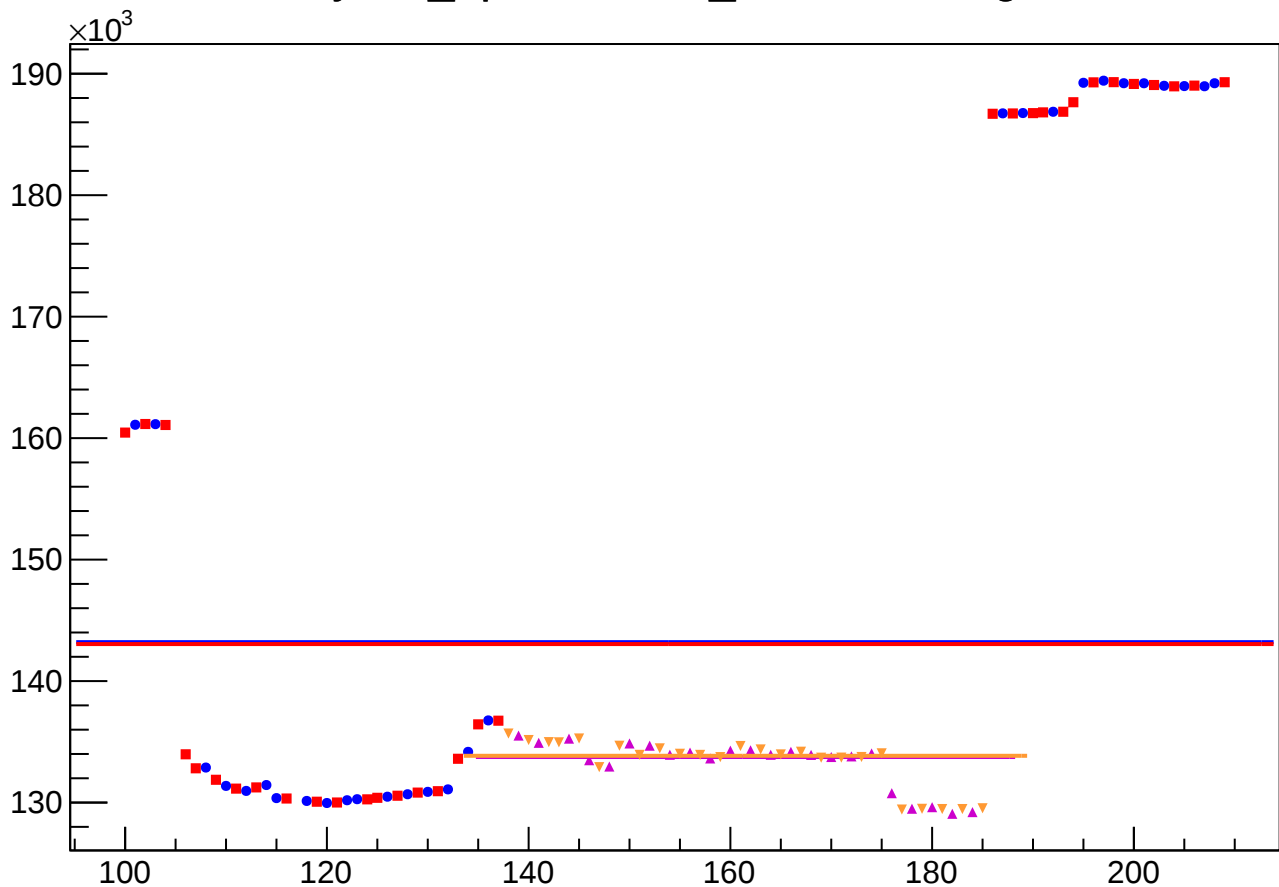
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 180.166 $\pm$ 0.024 χ^2 /NDF: 6882437.4/52

All: 178.606 $\pm$ 0.017 χ^2 /NDF: 14590161.5/10

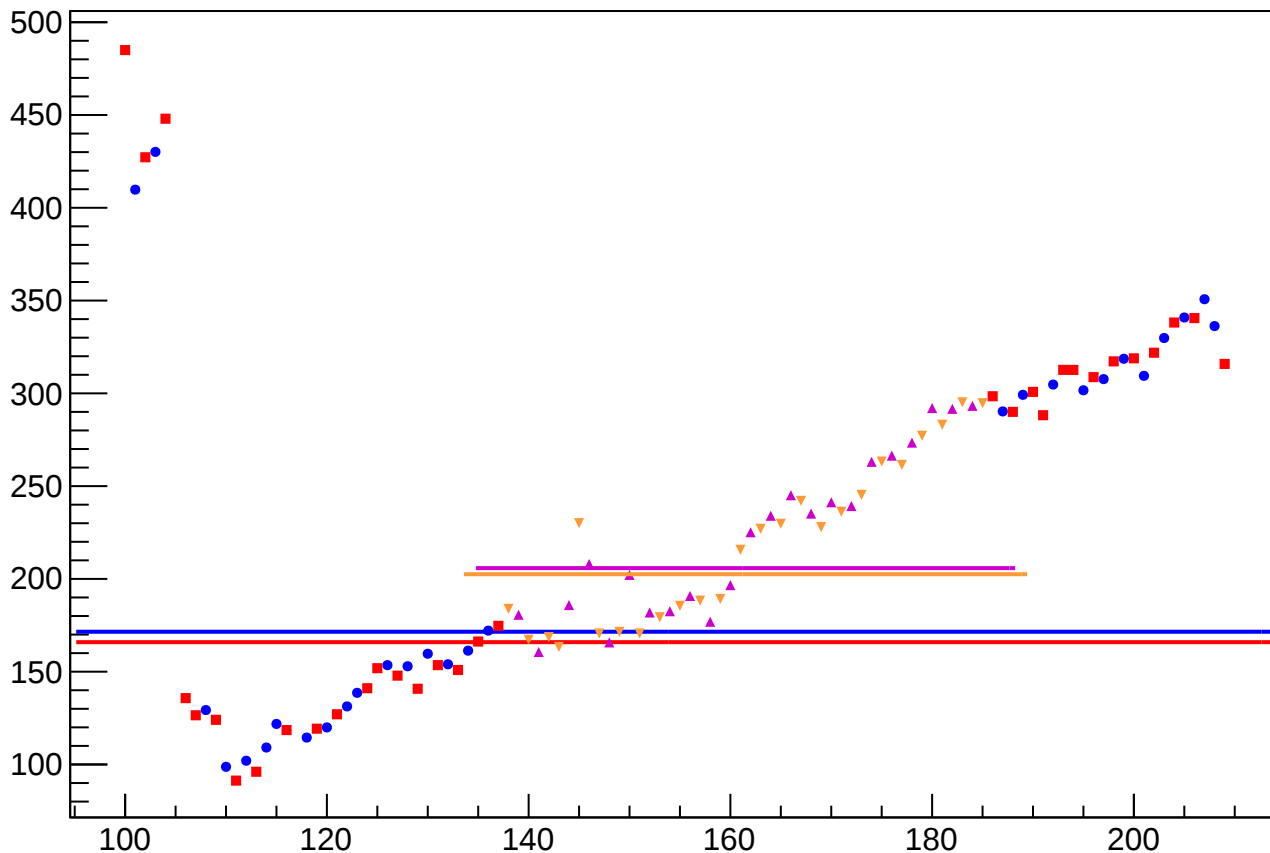
- sign 177.090 $\pm$ 0.023 χ^2 /NDF: 7699140.5/54

yield_bpm2i02WS_mean vs Slug



Right In: 143204.610 $\pm$ 0.051 χ^2 /NDF: 202957112598.9/27
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 143047.374 $\pm$ 0.047 χ^2 /NDF: 230129654815.0/31
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22

yield_bpm2i02WS_rms vs Slug



Right In: 171.533 $\pm$ 0.036 χ^2 /NDF: 5558387.9/27

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF: 1211991.5/24

Right Out: 165.913 $\pm$ 0.033 χ^2 /NDF: 6331906.9/31

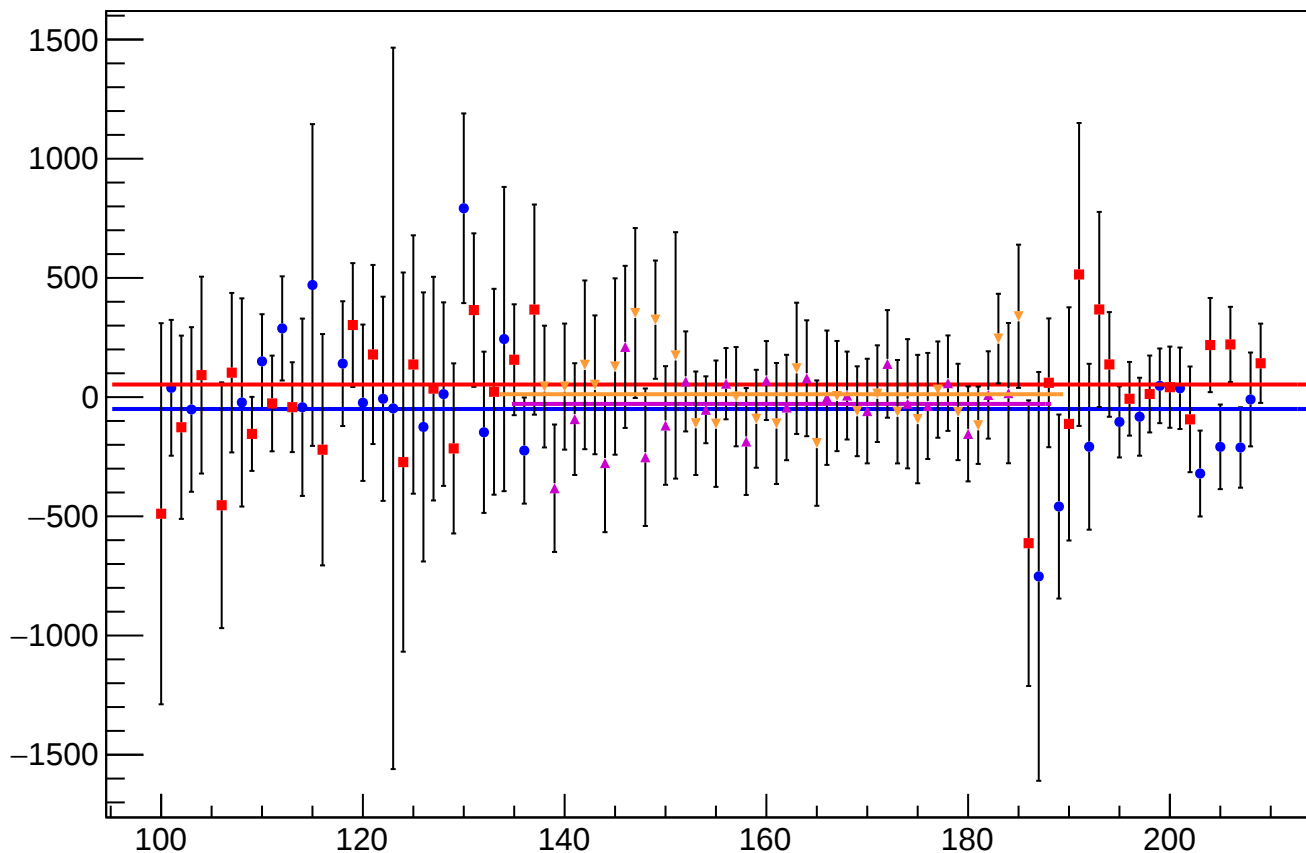
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF: 1094330.7/22

+ sign 187.820 $\pm$ 0.025 χ^2 /NDF: 7162457.5/52

All: 186.121 $\pm$ 0.017 χ^2 /NDF: 15265193.1/10

- sign 184.471 $\pm$ 0.024 χ^2 /NDF: 8093425.6/54

asym_bcm_an_ds_mean vs Slug



Right In: -49.844 ± 46.802 χ^2/NDF : 16.9/27

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 52.897 ± 45.148 χ^2/NDF : 13.0/31

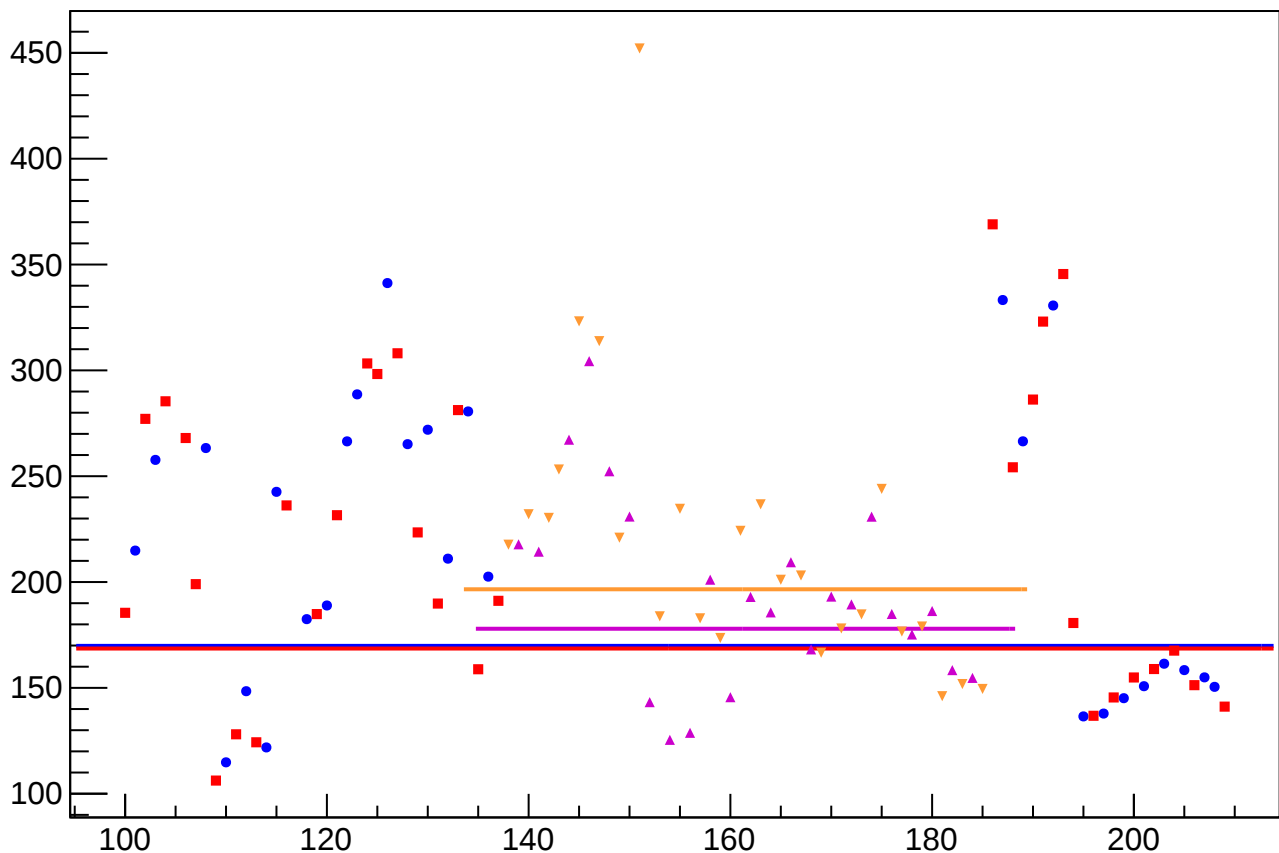
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign -19.311 ± 33.349 χ^2/NDF : 26.4/52

All: -2.994 ± 22.999 χ^2/NDF : 48.1/107

- sign 11.807 ± 31.761 χ^2/NDF : 21.3/54

asym_bcm_an_ds_rms vs Slug



Right In: 169.841 $\pm$ 0.033 χ^2 /NDF: 2123141.4/27

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF:1778719.0/24

Right Out: 168.585 $\pm$ 0.032 χ^2 /NDF: 2838580.2/31

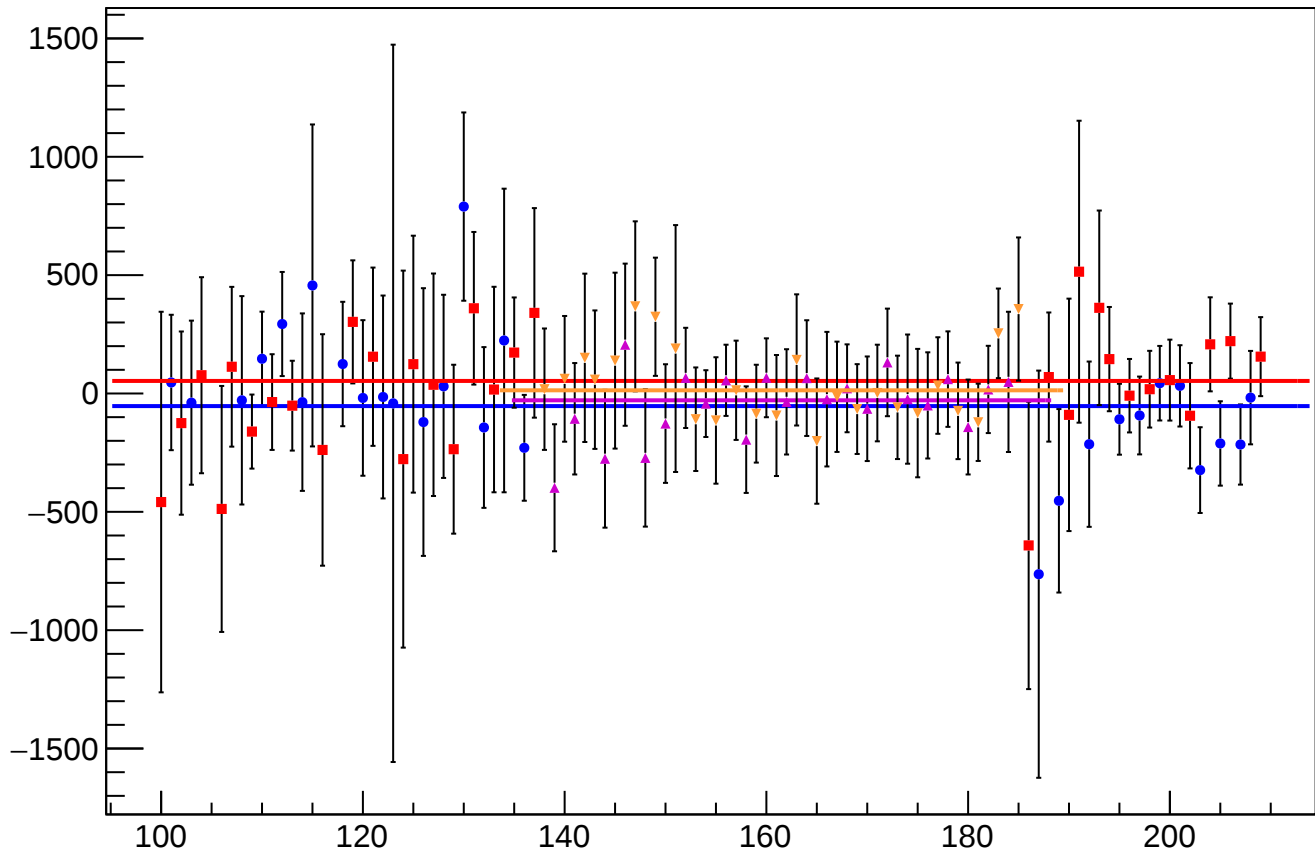
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 183.002 $\pm$ 0.024 χ^2 /NDF: 4223144.0/52

All: 177.918 $\pm$ 0.016 χ^2 /NDF: 8799445.7/107

- sign 173.307 $\pm$ 0.022 χ^2 /NDF: 4487667.5/54

asym_bcm_an_ds3_mean vs Slug



Right In: -53.259 ± 47.023 χ^2/NDF : 16.8/27

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 53.020 ± 45.372 χ^2/NDF : 13.3/31

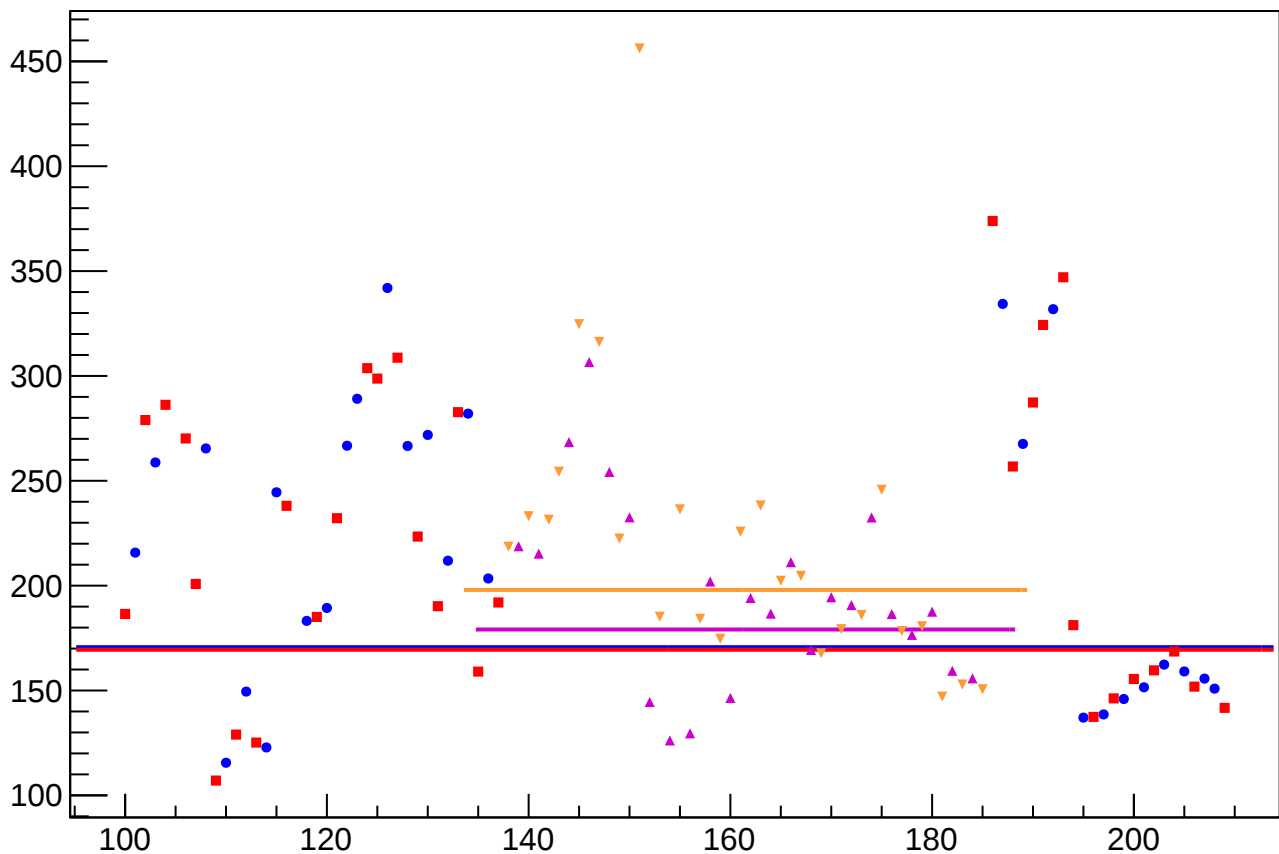
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign -20.521 ± 33.543 χ^2/NDF : 26.8/52

All: -3.597 ± 23.132 χ^2/NDF : 49.1/107

- sign 11.752 ± 31.943 χ^2/NDF : 21.8/54

asym_bcm_an_ds3_rms vs Slug



Right In: 170.669 $\pm$ 0.033 χ^2 /NDF: 2114873.0/27

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 169.432 $\pm$ 0.032 χ^2 /NDF: 2834608.1/31

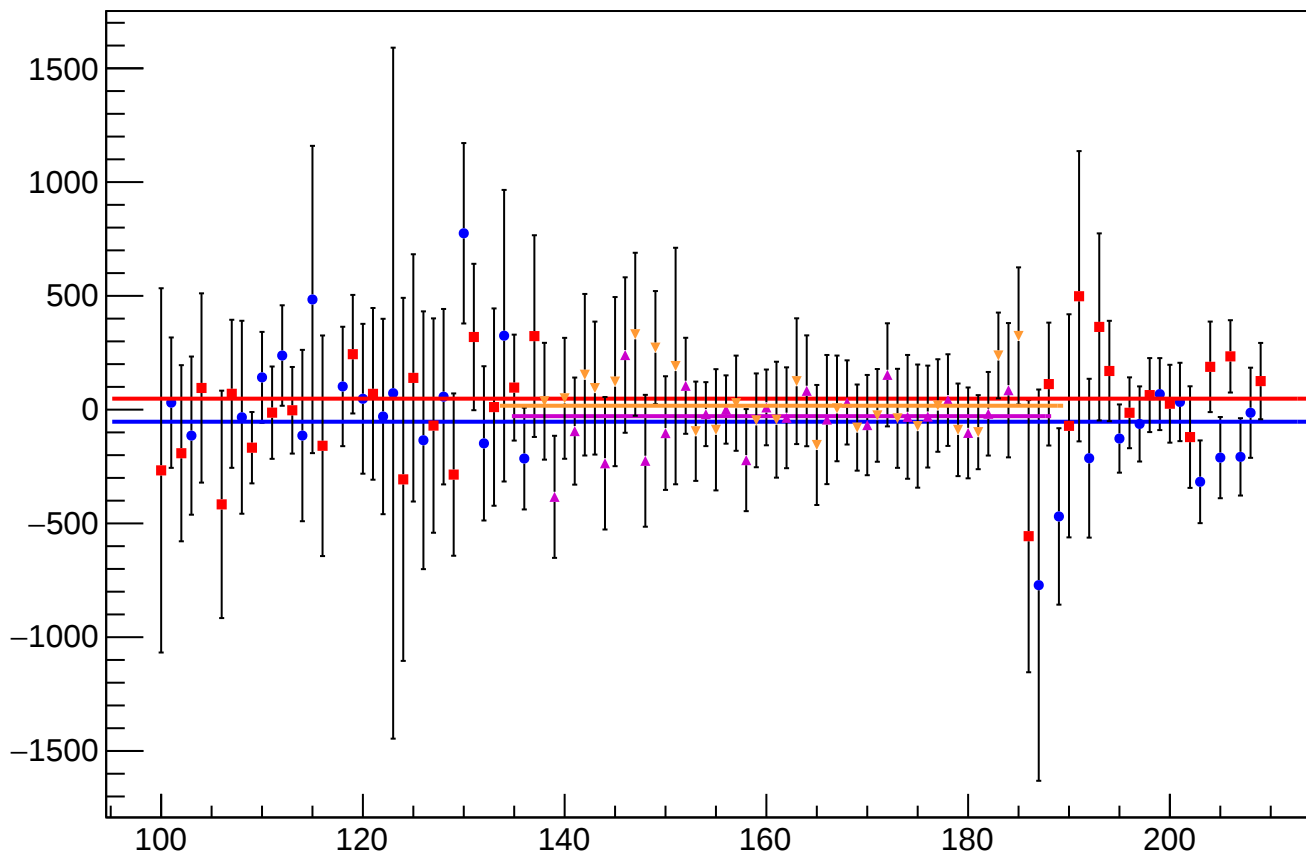
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 184.070 $\pm$ 0.024 χ^2 /NDF: 4220103.3/52

All: 178.948 $\pm$ 0.016 χ^2 /NDF: 8794454.8/107

- sign 174.303 $\pm$ 0.023 χ^2 /NDF: 4485427.3/54

asym_bcm_an_us_mean vs Slug



Right In: -53.111 ± 47.105 χ^2/NDF : 16.2/27

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 48.249 ± 45.395 χ^2/NDF : 11.9/31

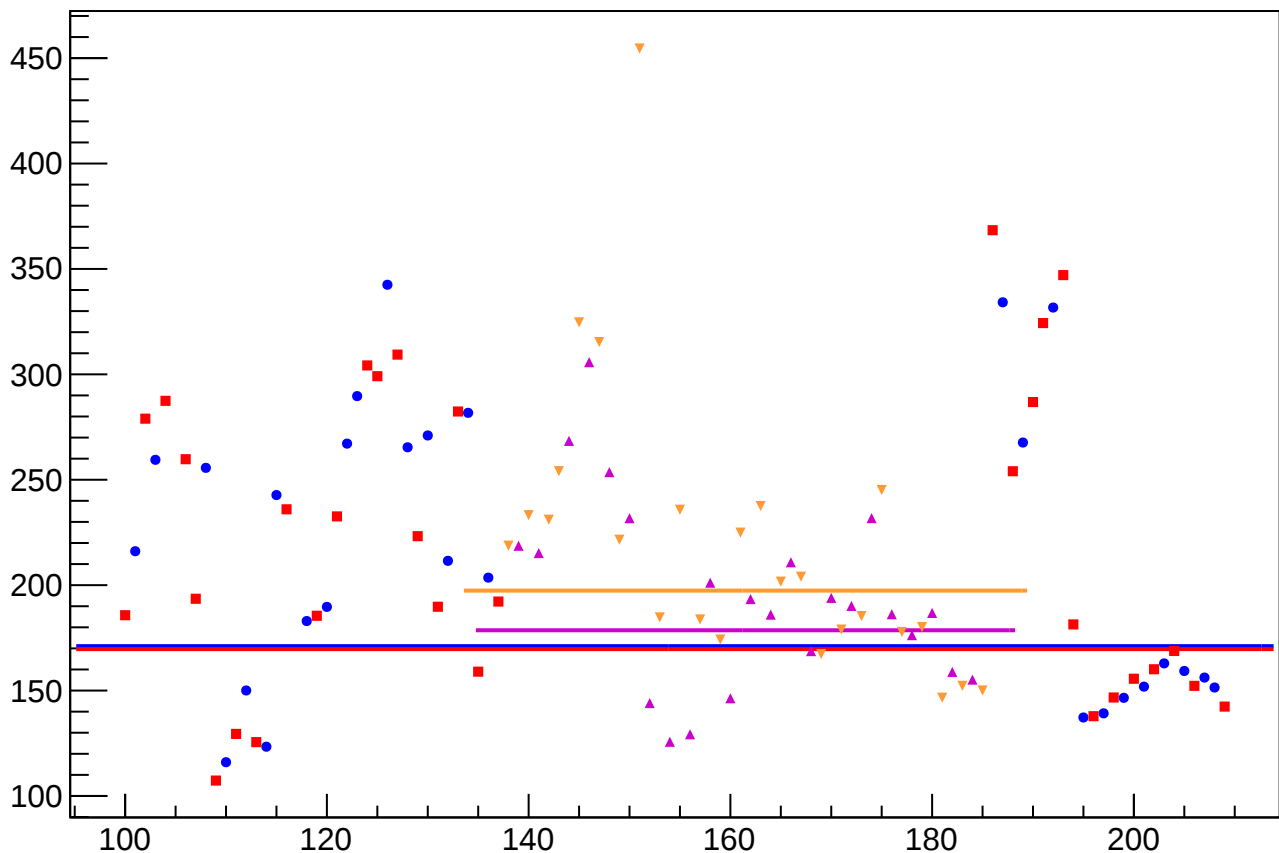
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign -18.453 ± 33.530 χ^2/NDF : 24.4/52

All: -3.868 ± 23.114 χ^2/NDF : 44.3/107

- sign 9.340 ± 31.908 χ^2/NDF : 19.5/54

asym_bcm_an_us_rms vs Slug



Right In: 171.069+/-0.033 χ^2/NDF : 2083120.3/27

Left Out: 197.422+/-0.034 χ^2/NDF :1780261.9/24

Right Out: 169.656+/-0.032 χ^2/NDF : 2786999.2/31

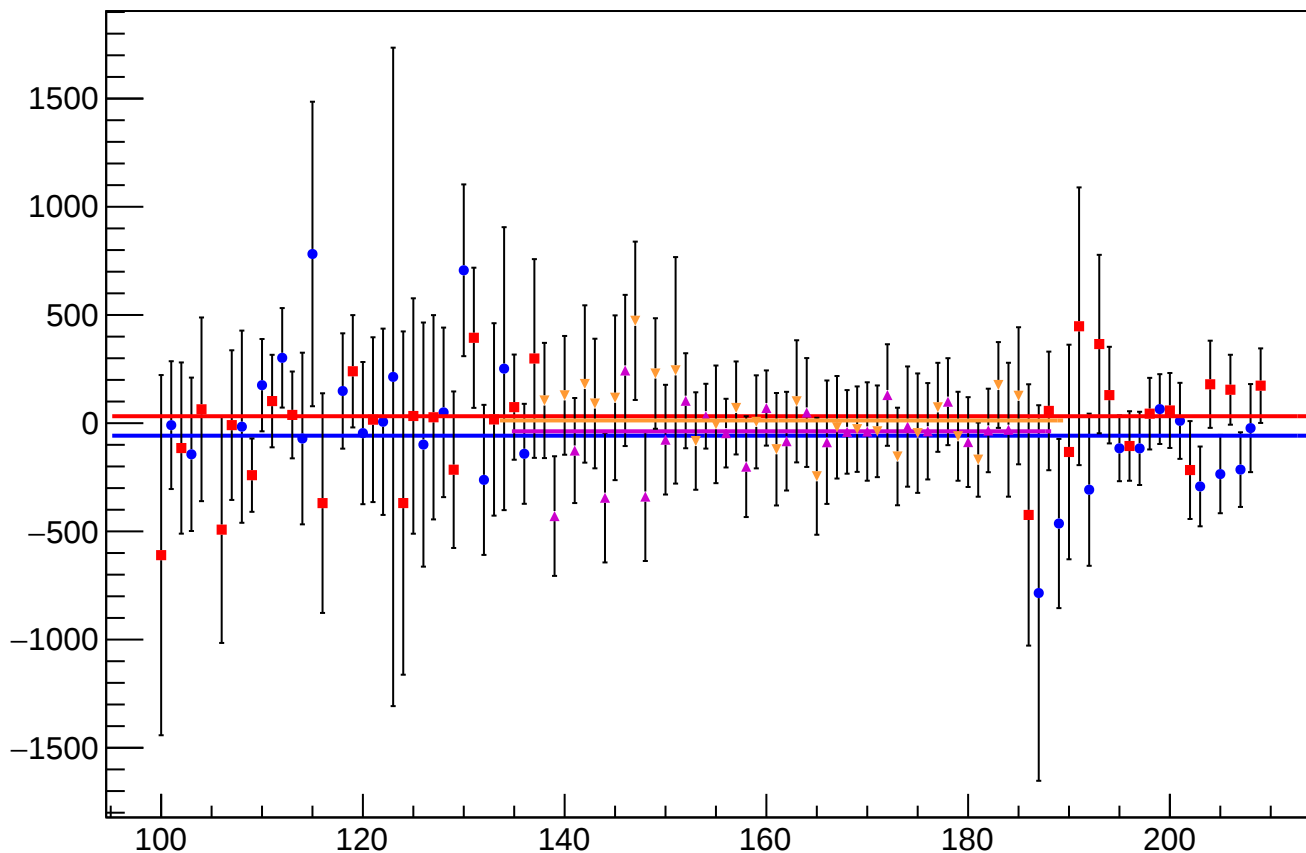
Left In: 178.601+/-0.032 χ^2/NDF :1608998.1/22

+ sign 184.070+/-0.024 χ^2/NDF : 4172191.0/52

All: 178.881+/-0.016 χ^2/NDF : 8698752.5/107

- sign 174.182+/-0.023 χ^2/NDF : 4435289.3/54

asym_bcm_dg_us_mean vs Slug



Right In: -57.816 ± 48.162 χ^2/NDF : 17.0/27

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: 32.158 ± 46.661 χ^2/NDF : 13.8/31

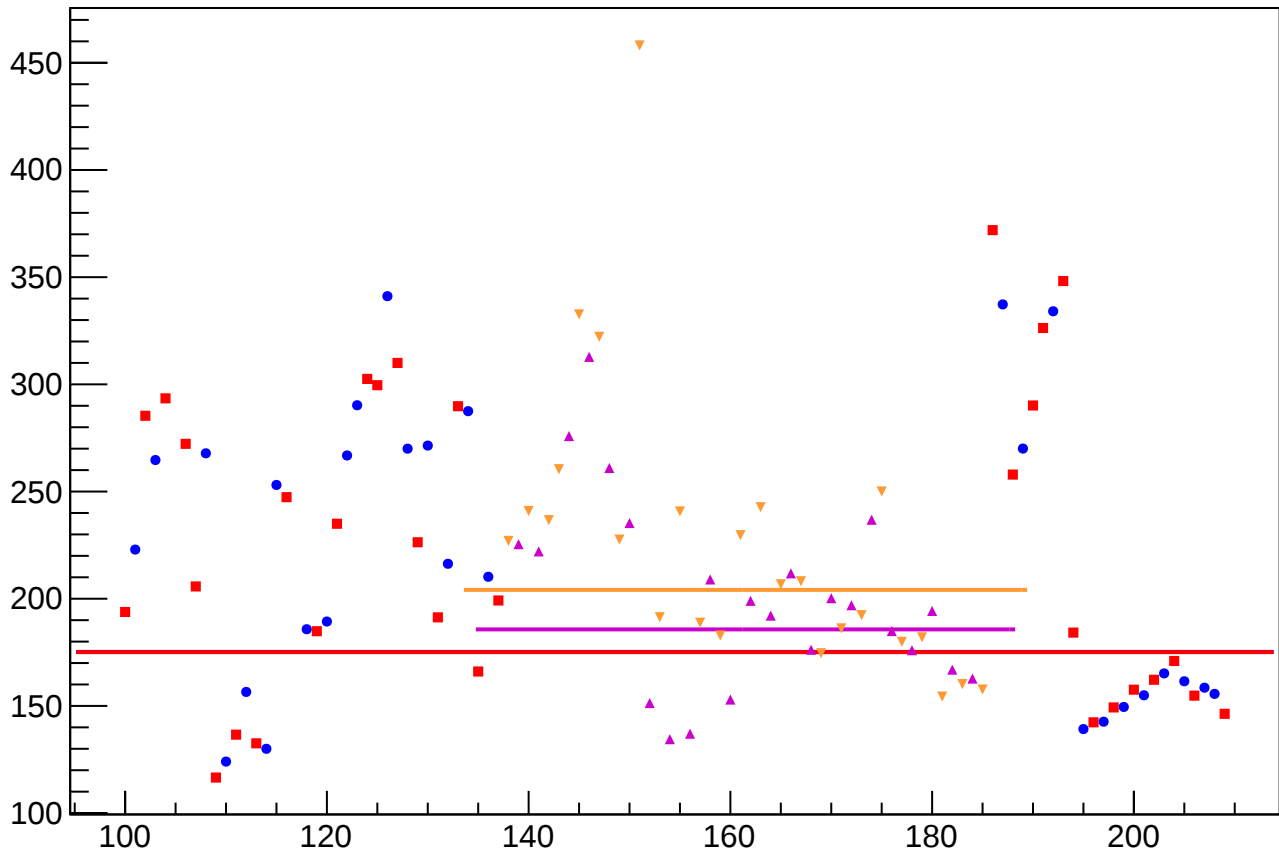
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign -23.373 ± 34.431 χ^2/NDF : 25.6/52

All: -12.621 ± 23.798 χ^2/NDF : 48.3/107

- sign -2.787 ± 32.930 χ^2/NDF : 22.5/54

asym_bcm_dg_us_rms vs Slug



Right In: 175.186 $\pm$ 0.034 χ^2 /NDF: 2009647.6/27

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 175.089 $\pm$ 0.033 χ^2 /NDF: 2605961.4/31

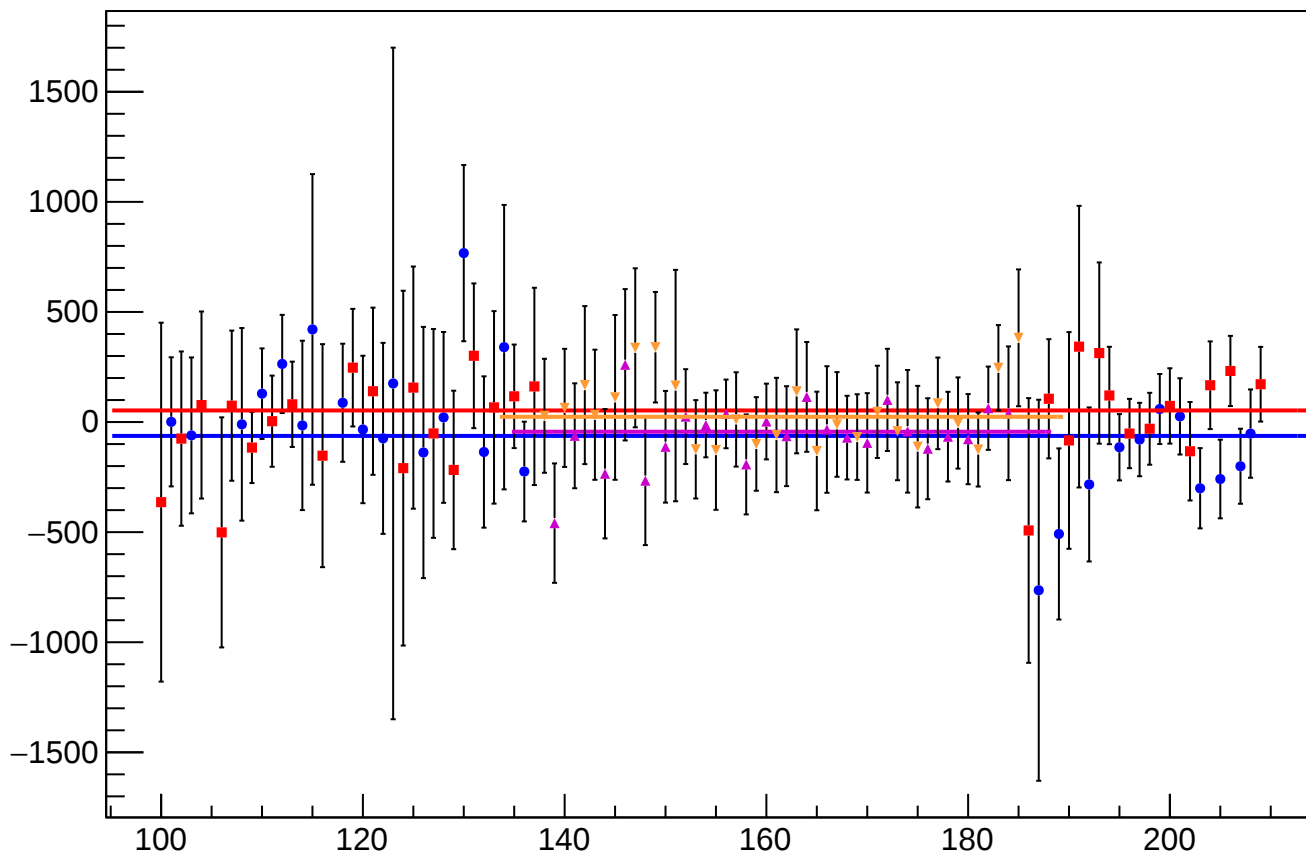
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 189.338 $\pm$ 0.024 χ^2 /NDF: 4035127.8/52

All: 184.676 $\pm$ 0.017 χ^2 /NDF: 8210918.4/107

- sign 180.412 $\pm$ 0.023 χ^2 /NDF: 4105585.8/54

asym_bcm_dg_ds_mean vs Slug



Right In: -62.941 ± 47.554 χ^2/NDF : 16.1/27

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 52.667 ± 45.917 χ^2/NDF : 10.0/31

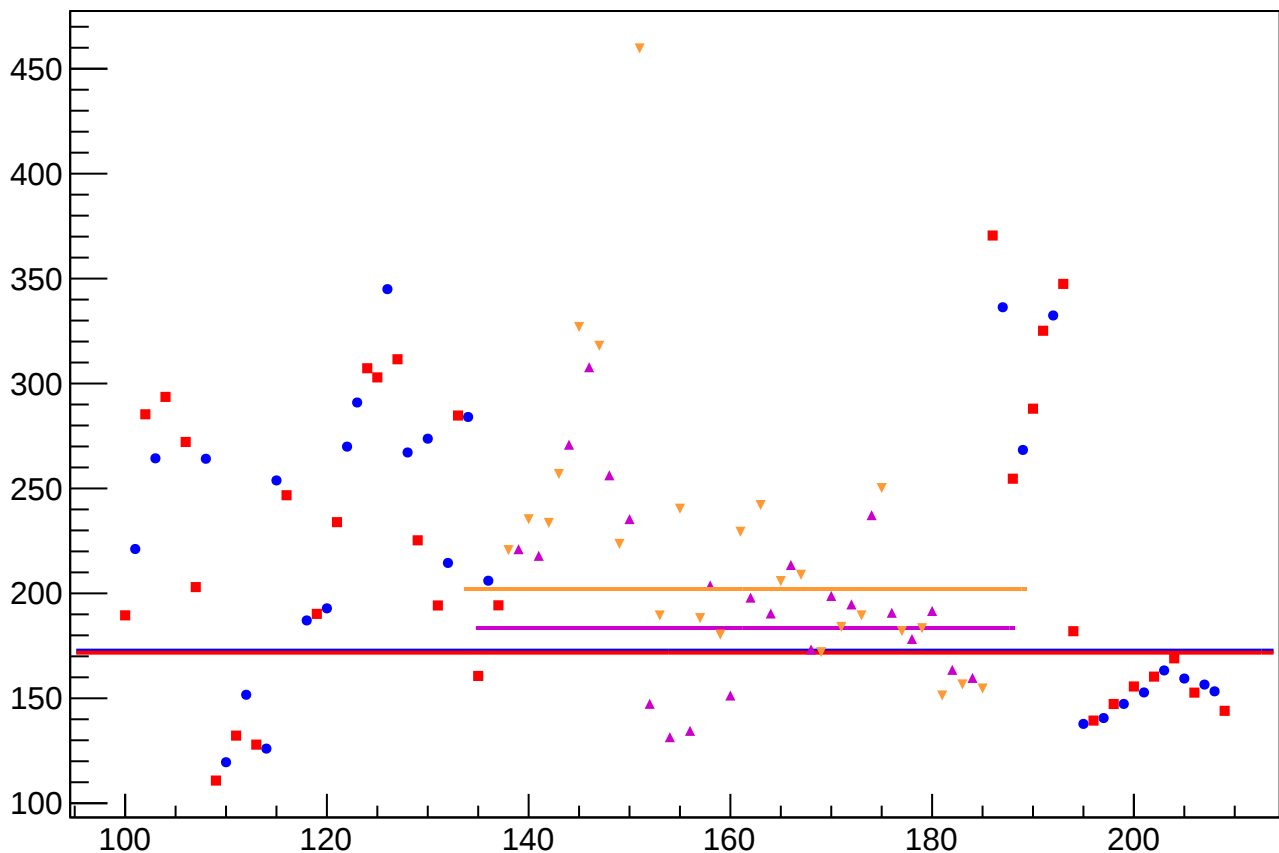
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign -20.656 ± 34.052 χ^2/NDF : 26.2/52

All: -7.534 ± 23.507 χ^2/NDF : 45.3/107

- sign 4.411 ± 32.491 χ^2/NDF : 18.7/54

asym_bcm_dg_ds_rms vs Slug



Right In: 172.707 $\pm$ 0.034 χ^2 /NDF: 2091388.2/27

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 171.753 $\pm$ 0.032 χ^2 /NDF: 2766509.9/31

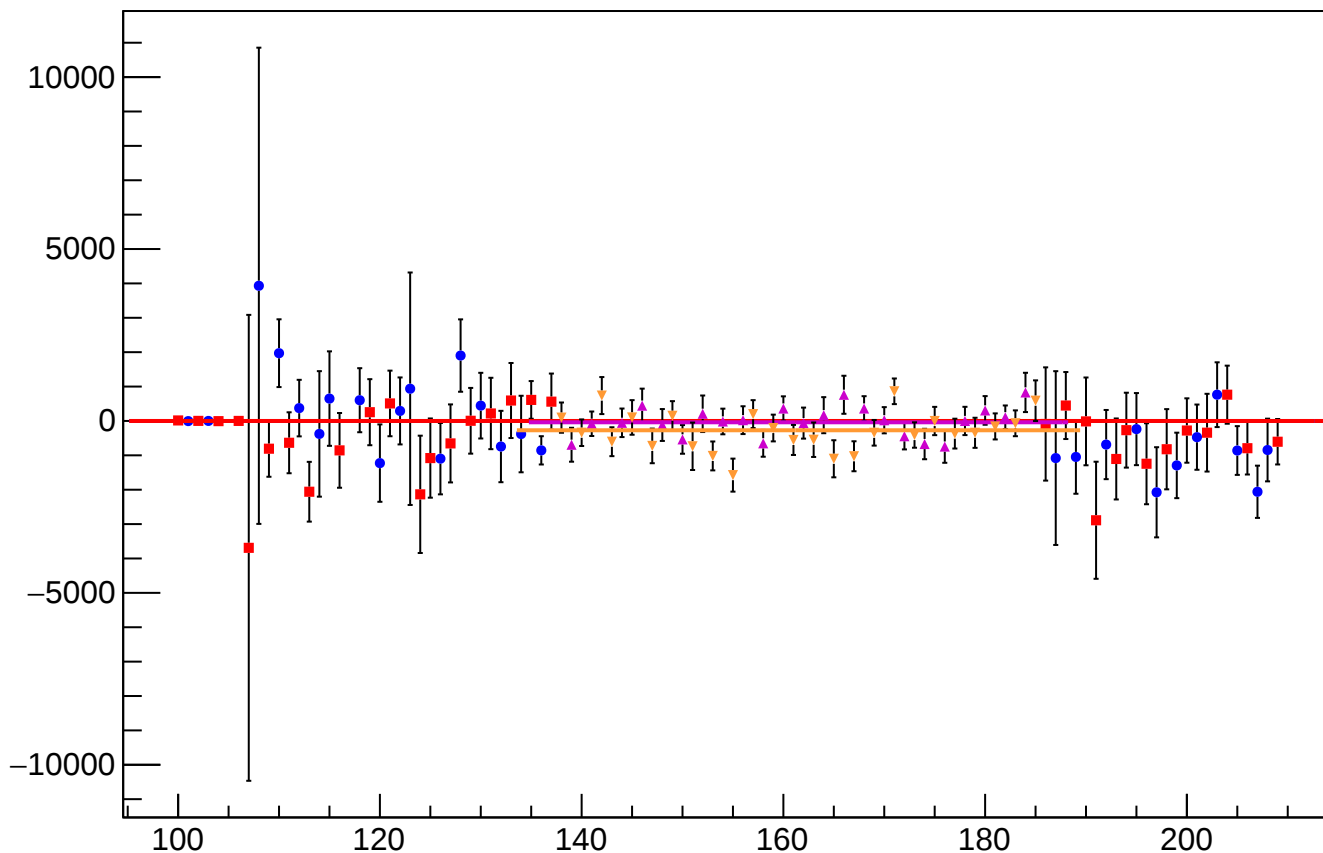
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 187.019 $\pm$ 0.024 χ^2 /NDF: 4155989.6/52

All: 182.098 $\pm$ 0.017 χ^2 /NDF: 8551029.9/107

- sign 177.617 $\pm$ 0.023 χ^2 /NDF: 4315233.4/54

asym_cav4bQ_mean vs Slug



Right In: -1.583 ± 2.251 χ^2/NDF : 34.0/27

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.750 ± 2.111 χ^2/NDF : 27.7/31

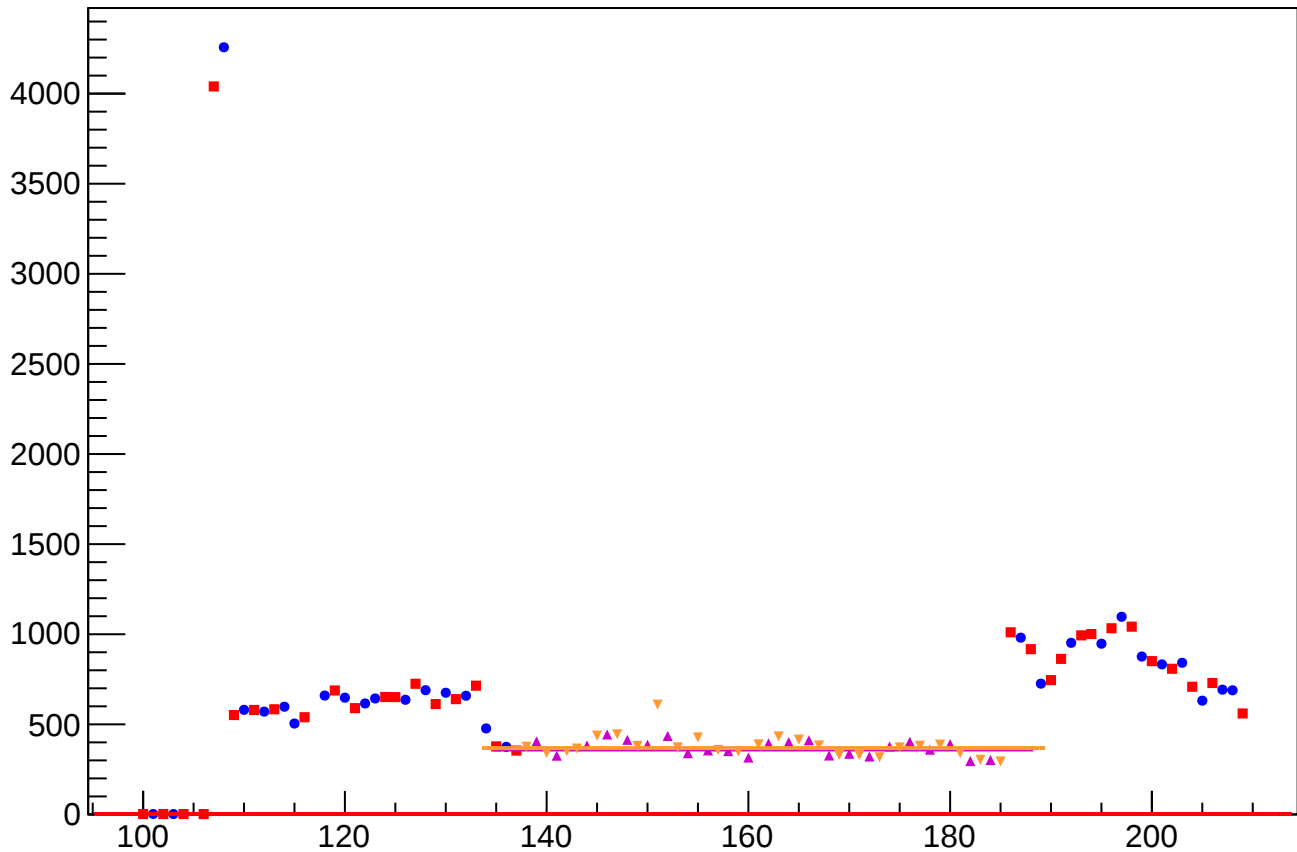
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.763 ± 2.251 χ^2/NDF : 81.7/52

All: -1.236 ± 1.539 χ^2/NDF : 129.9/107

- sign -0.772 ± 2.110 χ^2/NDF : 48.1/54

asym_cav4bQ_rms vs Slug



Right In: 2.504 $\pm$ 0.002 χ^2 /NDF: 25985483.0/27

Left Out: 368.397 $\pm$ 0.061 χ^2 /NDF:622466.1/24

Right Out: 2.482 $\pm$ 0.001 χ^2 /NDF: 28311537.7/31

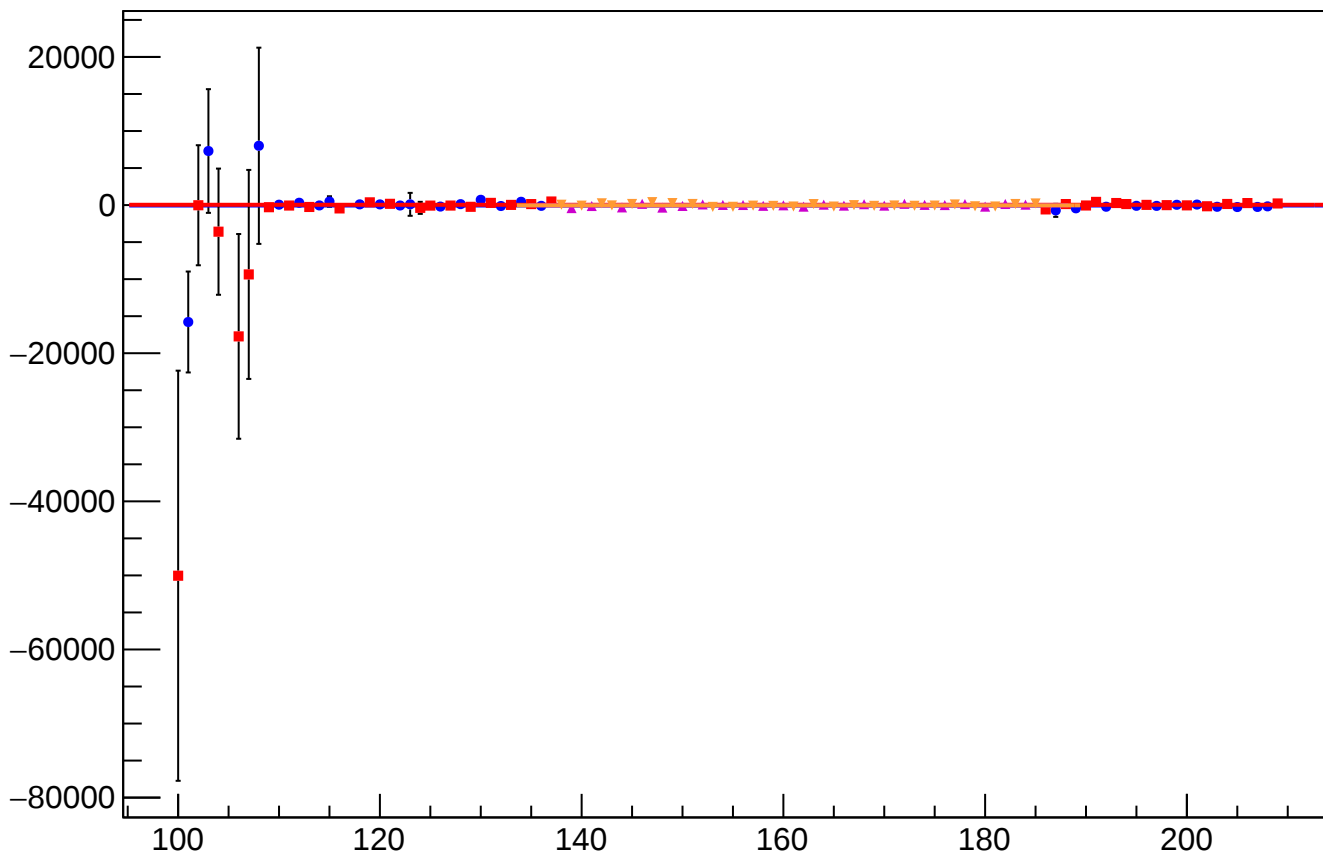
Left In: 360.408 $\pm$ 0.062 χ^2 /NDF:417739.4/22

+ sign 2.749 $\pm$ 0.002 χ^2 /NDF: 61986167.2/52

All: 2.717 $\pm$ 0.001 χ^2 /NDF: 123957506.7/107

- sign 2.689 $\pm$ 0.001 χ^2 /NDF: 61970596.1/54

asym_cav4cQ_mean vs Slug



Right In: -57.197 ± 52.064 χ^2/NDF : 20.9/27

Left Out: -38.013 ± 49.628 χ^2/NDF : 9.3/24

Right Out: 40.759 ± 51.039 χ^2/NDF : 21.0/31

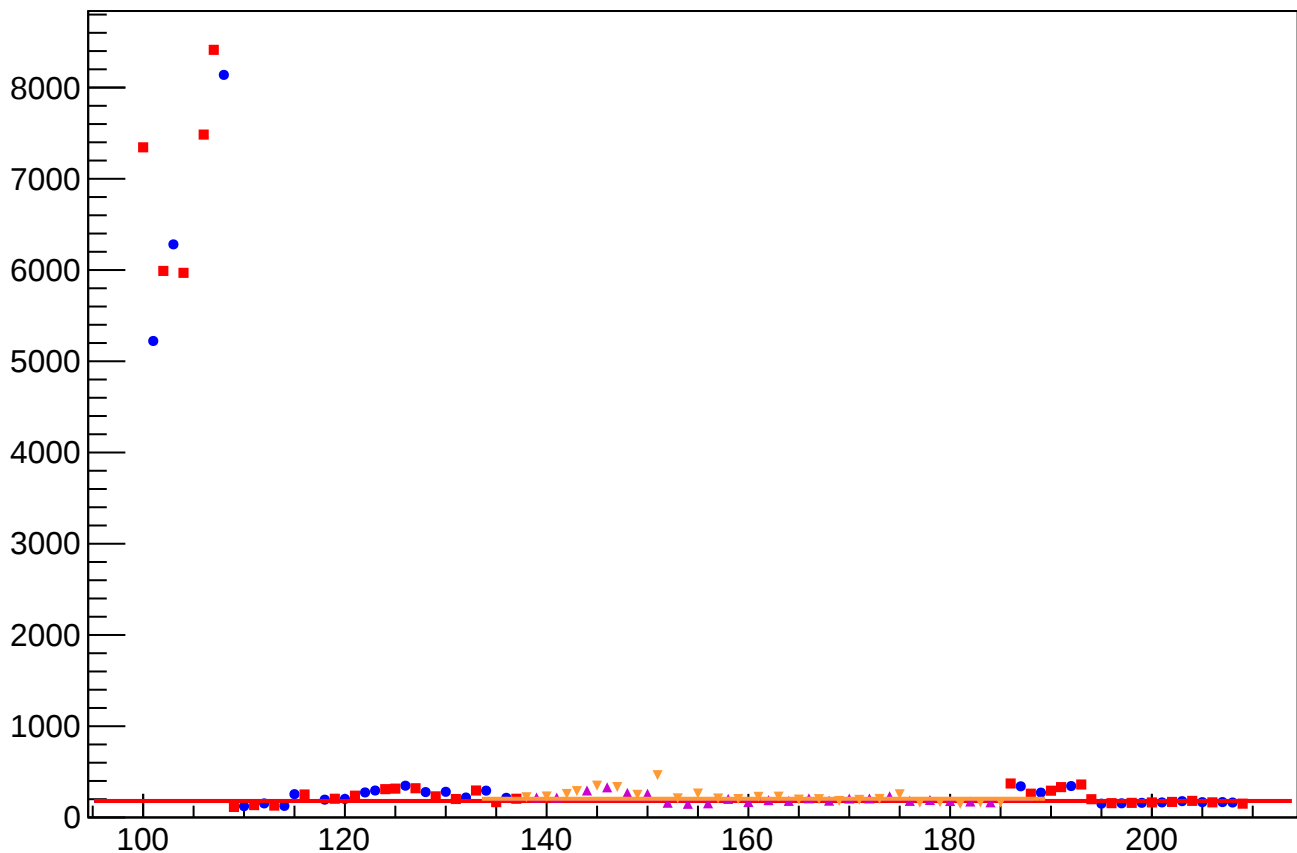
Left In: -28.205 ± 48.167 χ^2/NDF : 9.2/22

+ sign -47.146 ± 35.923 χ^2/NDF : 30.3/52

All: -20.785 ± 25.080 χ^2/NDF : 62.5/107

- sign 4.282 ± 35.030 χ^2/NDF : 31.2/54

asym_cav4cQ_rms vs Slug



Right In: 180.488 $\pm$ 0.037 χ^2 /NDF: 4520870.2/27

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 180.793 $\pm$ 0.036 χ^2 /NDF: 5414670.6/31

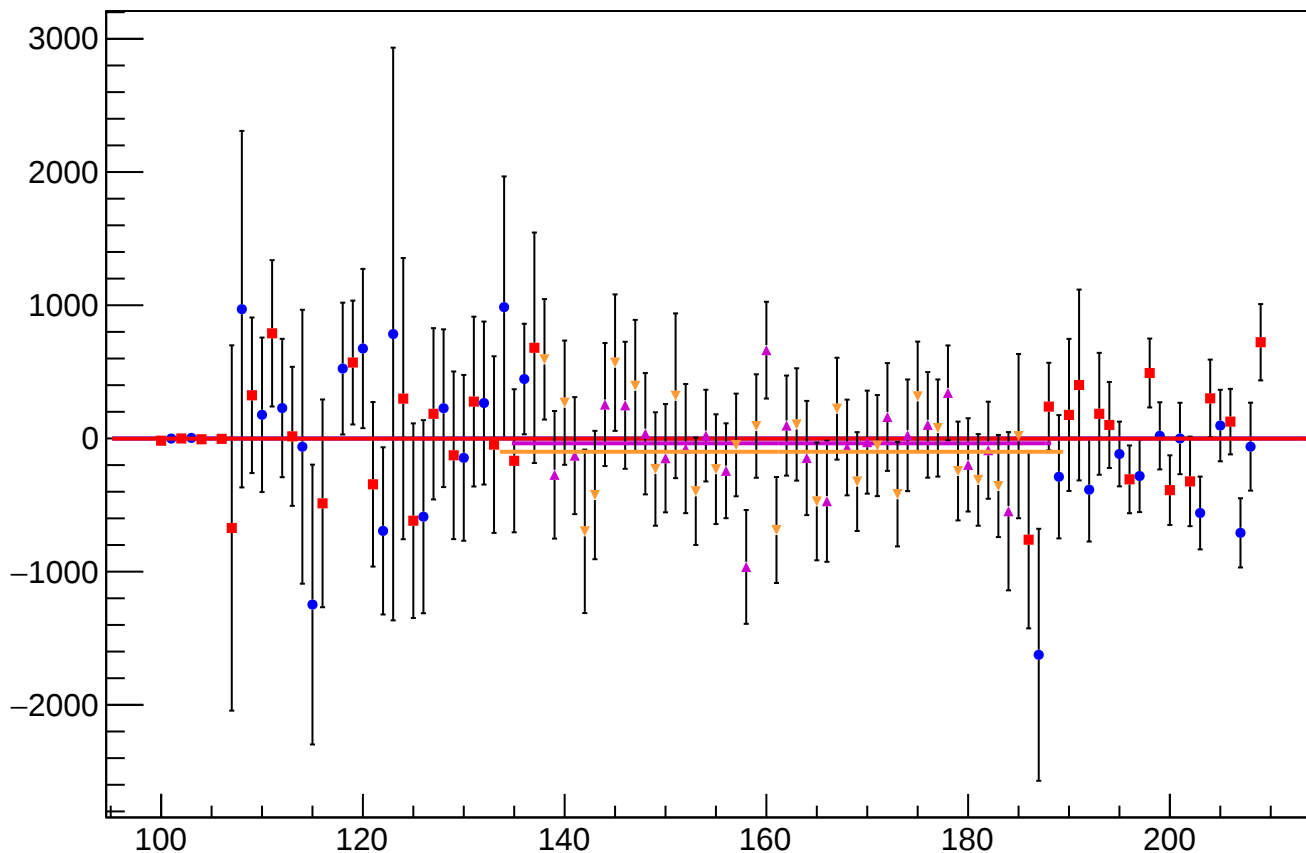
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 193.345 $\pm$ 0.025 χ^2 /NDF: 6709693.9/52

All: 190.330 $\pm$ 0.018 χ^2 /NDF: 13388606.1/10

- sign 187.464 $\pm$ 0.025 χ^2 /NDF: 6651432.6/54

asym_cav4dQ_mean vs Slug



Right In: -0.225 ± 1.736 χ^2/NDF : 27.5/27

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.290 ± 1.622 χ^2/NDF : 27.8/31

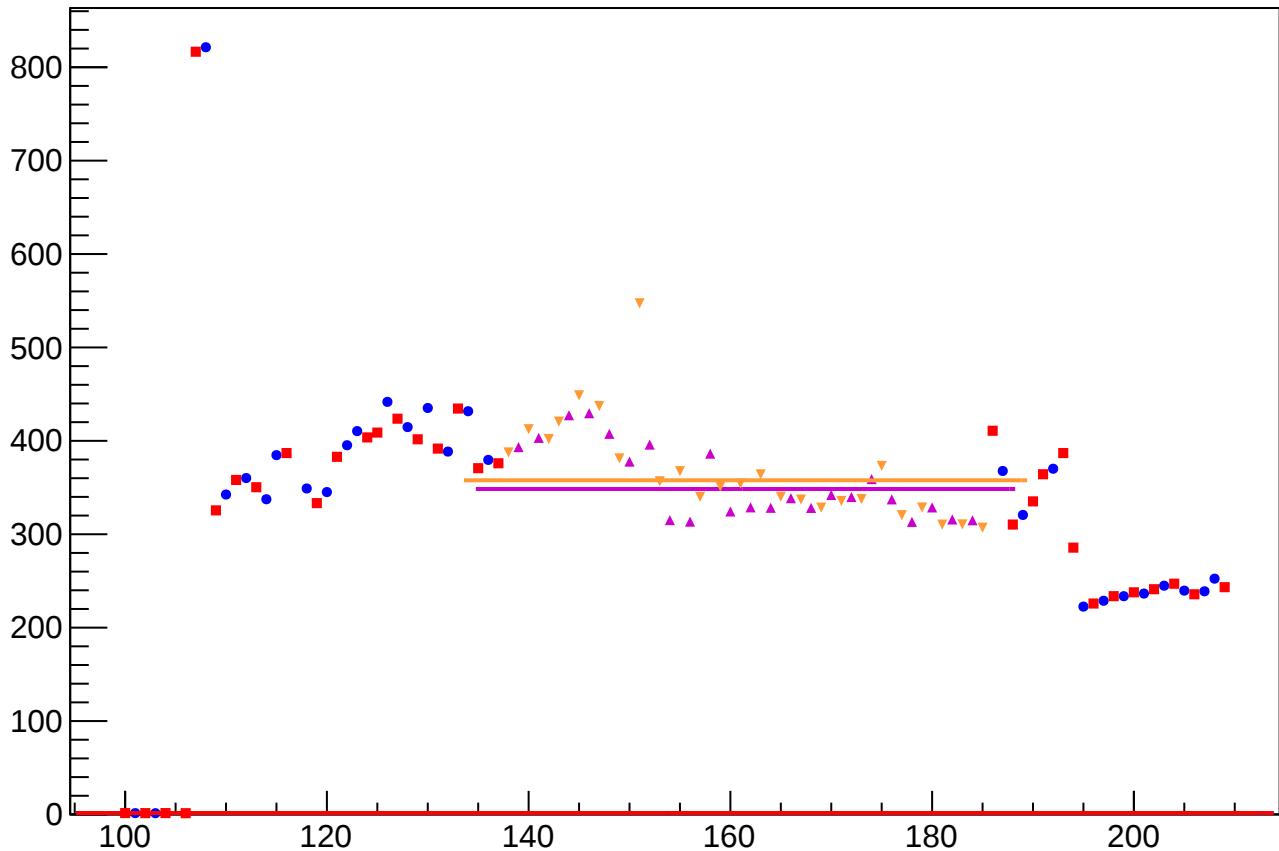
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.268 ± 1.736 χ^2/NDF : 44.6/52

All: -0.820 ± 1.185 χ^2/NDF : 86.3/107

- sign -1.303 ± 1.622 χ^2/NDF : 41.5/54

asym_cav4dQ_rms vs Slug



Right In: 1.545 ± 0.001 χ^2/NDF : 26246408.7/27

Left Out: 357.771 ± 0.060 χ^2/NDF : 547124.8/24

Right Out: 1.536 ± 0.001 χ^2/NDF : 28008175.4/31

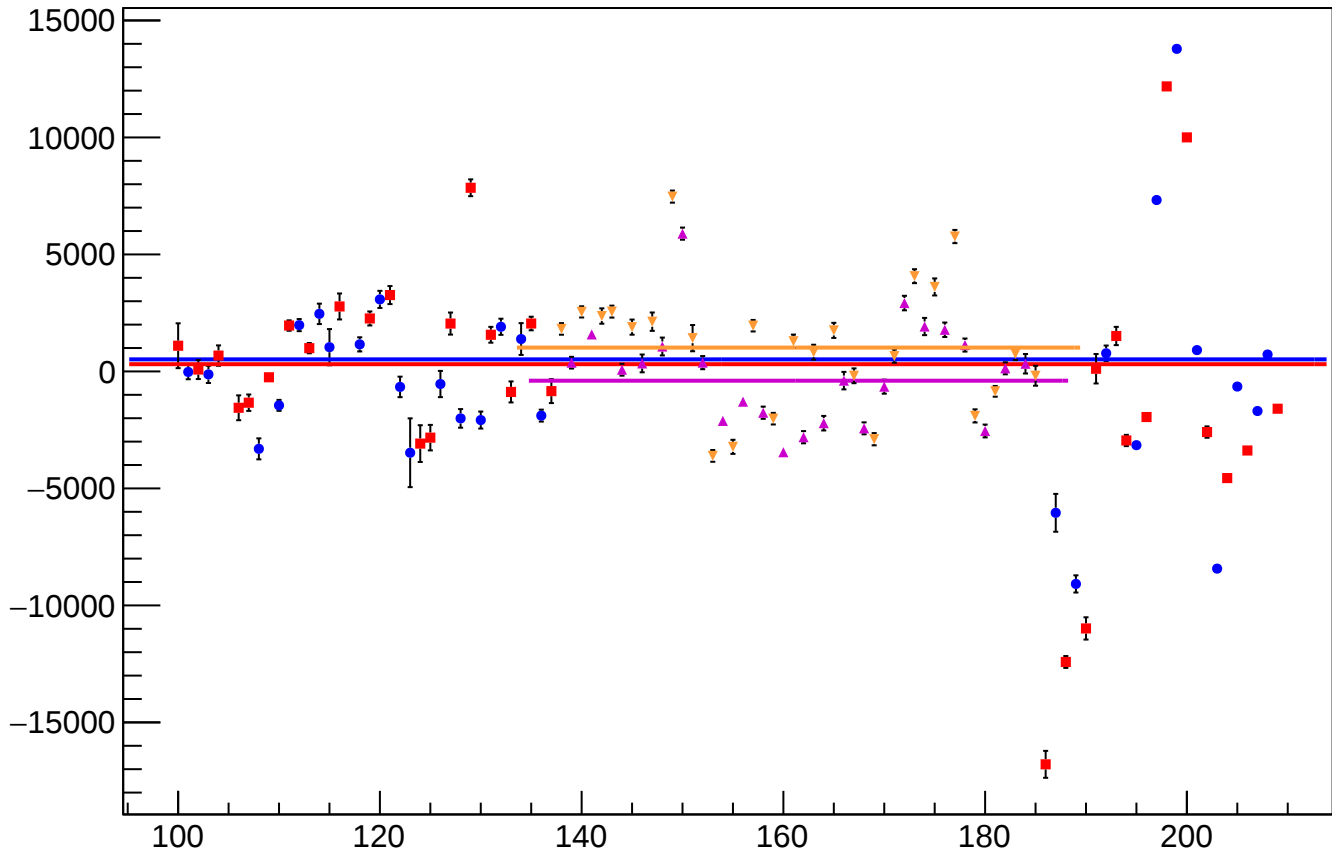
Left In: 348.464 ± 0.060 χ^2/NDF : 360425.7/22

+ sign 1.696 ± 0.001 χ^2/NDF : 62584997.1/52

All: 1.679 ± 0.001 χ^2/NDF : 124515074.7/107

- sign 1.663 ± 0.001 χ^2/NDF : 61929698.8/54

asym_bcm0l02_mean vs Slug



Right In: 515.644 ± 51.727 χ^2/NDF : 10823.0/27

Left Out: 1018.965 ± 57.402 χ^2/NDF : 2310.1/24

Right Out: 308.946 ± 49.637 χ^2/NDF : 13326.6/31

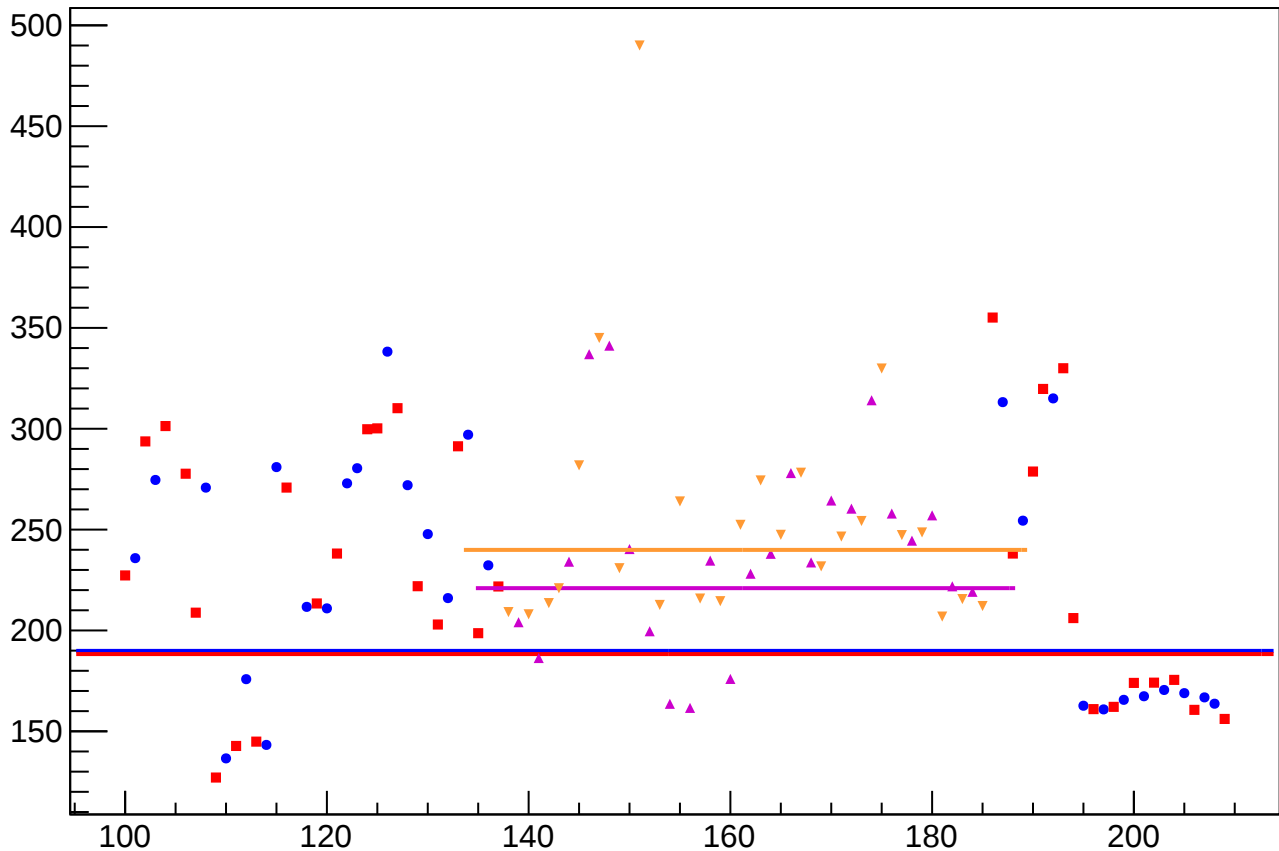
Left In: -396.609 ± 55.090 χ^2/NDF : 1581.0/22

+ sign 741.201 ± 38.427 χ^2/NDF : 13175.5/52

All: 351.603 ± 26.607 χ^2/NDF : 28371.1/107

- sign -7.195 ± 36.876 χ^2/NDF : 14998.2/54

asym_bcm0l02_rms vs Slug



Right In: 189.871+/-0.037 χ^2/NDF : 1522306.8/27

Left Out: 239.942+/-0.041 χ^2/NDF :1000770.0/24

Right Out: 188.288+/-0.035 χ^2/NDF : 2116322.0/31

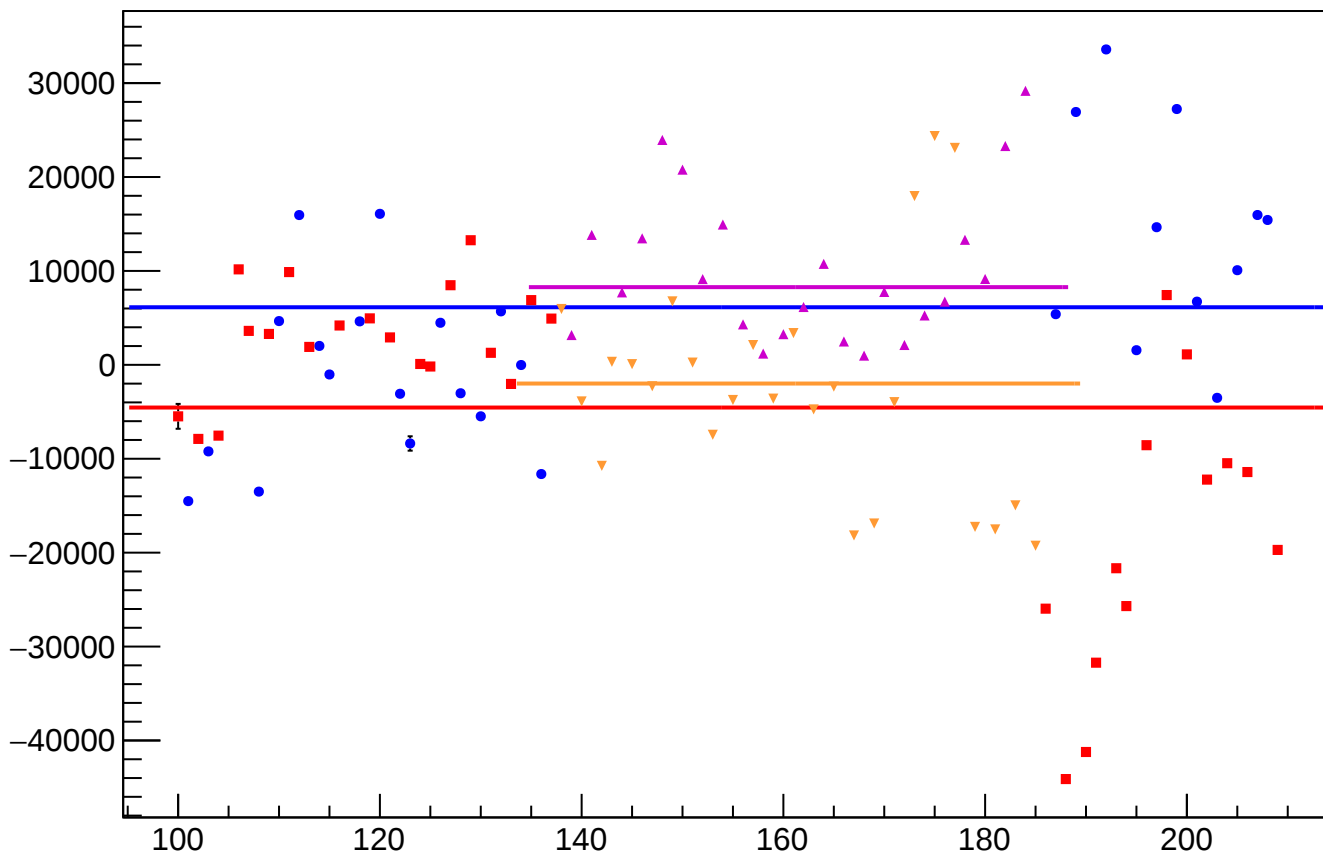
Left In: 220.972+/-0.039 χ^2/NDF :1327680.6/22

+ sign 212.309+/-0.027 χ^2/NDF : 3362881.4/52

All: 207.428+/-0.019 χ^2/NDF : 7257395.3/107

- sign 202.933+/-0.026 χ^2/NDF : 3832521.0/54

asym_bpm0i02WS_mean vs Slug



Right In: 6131.702 $\pm$ 42.020 χ^2 /NDF: 90632.2/27

Left Out: -1991.788 $\pm$ 42.427 χ^2 /NDF:63766.6/24

Right Out: -4547.175 $\pm$ 39.845 χ^2 /NDF: 139268.0/31

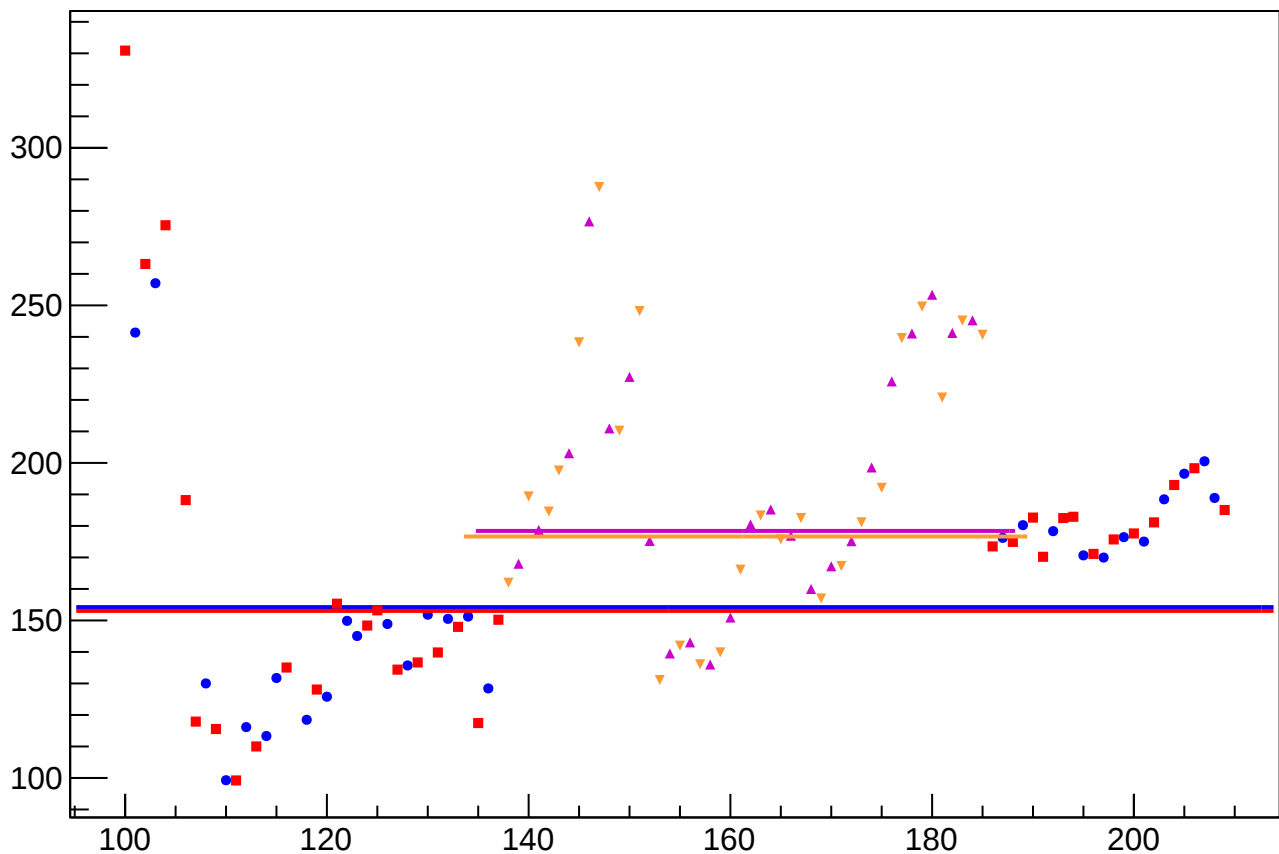
Left In: 8273.228 $\pm$ 44.301 χ^2 /NDF:22870.2/22

+ sign 2109.106 $\pm$ 29.855 χ^2 /NDF: 172906.0/52

All: 1643.960 $\pm$ 21.029 χ^2 /NDF: 381822.6/10

- sign 1185.958 $\pm$ 29.625 χ^2 /NDF: 208434.9/54

asym_bpm0i02WS_rms vs Slug



Right In: 154.232 $\pm$ 0.030 χ^2 /NDF: 1290550.5/27

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 153.031 $\pm$ 0.028 χ^2 /NDF: 1575004.8/31

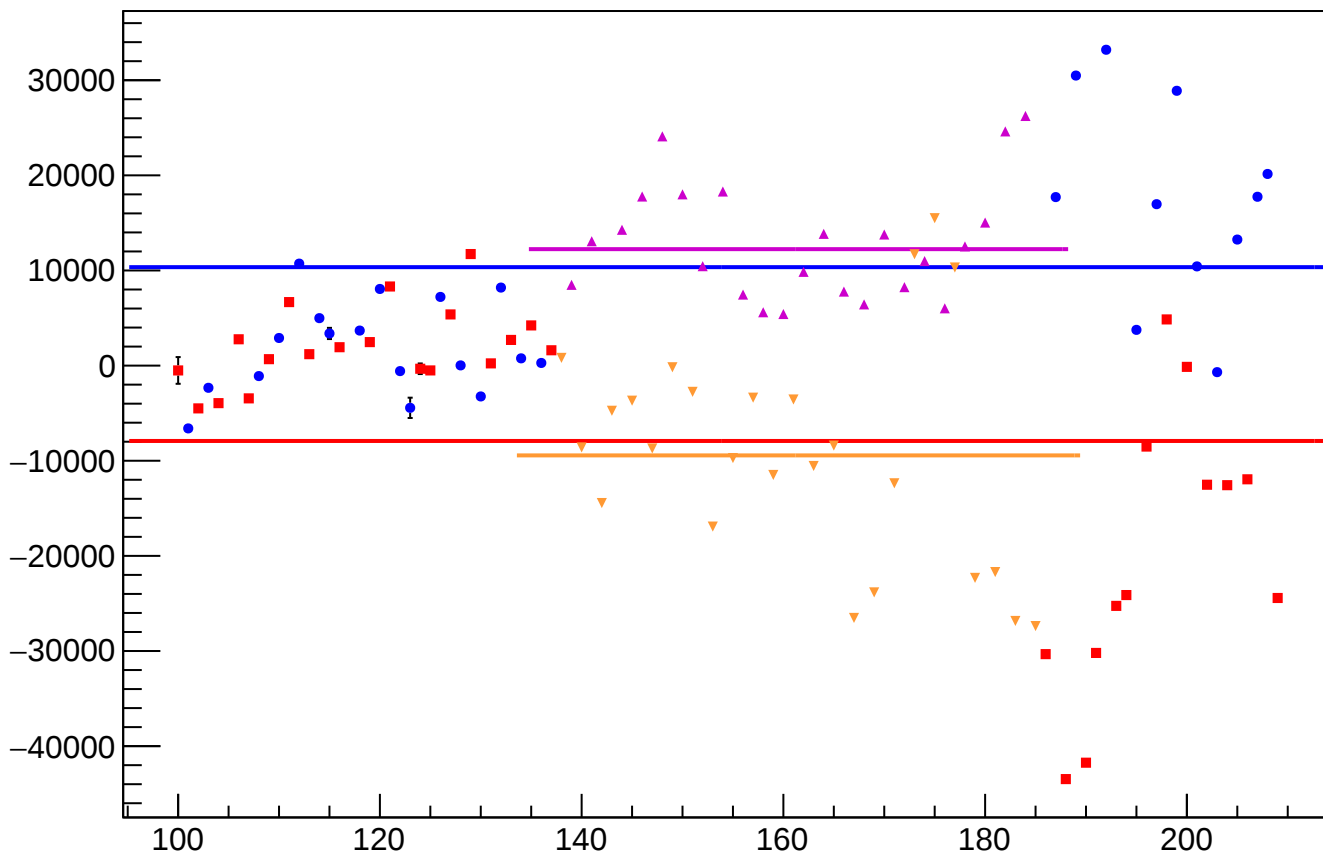
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 165.328 $\pm$ 0.021 χ^2 /NDF: 3123259.6/52

All: 164.851 $\pm$ 0.015 χ^2 /NDF: 6355946.8/107

- sign 164.382 $\pm$ 0.021 χ^2 /NDF: 3231674.3/54

asym_bpm0i02aWS_mean vs Slug



Right In: 10349.784+/-47.160 χ^2/NDF : 52244.8/27

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -7920.980+/-44.590 χ^2/NDF : 110584.1/31

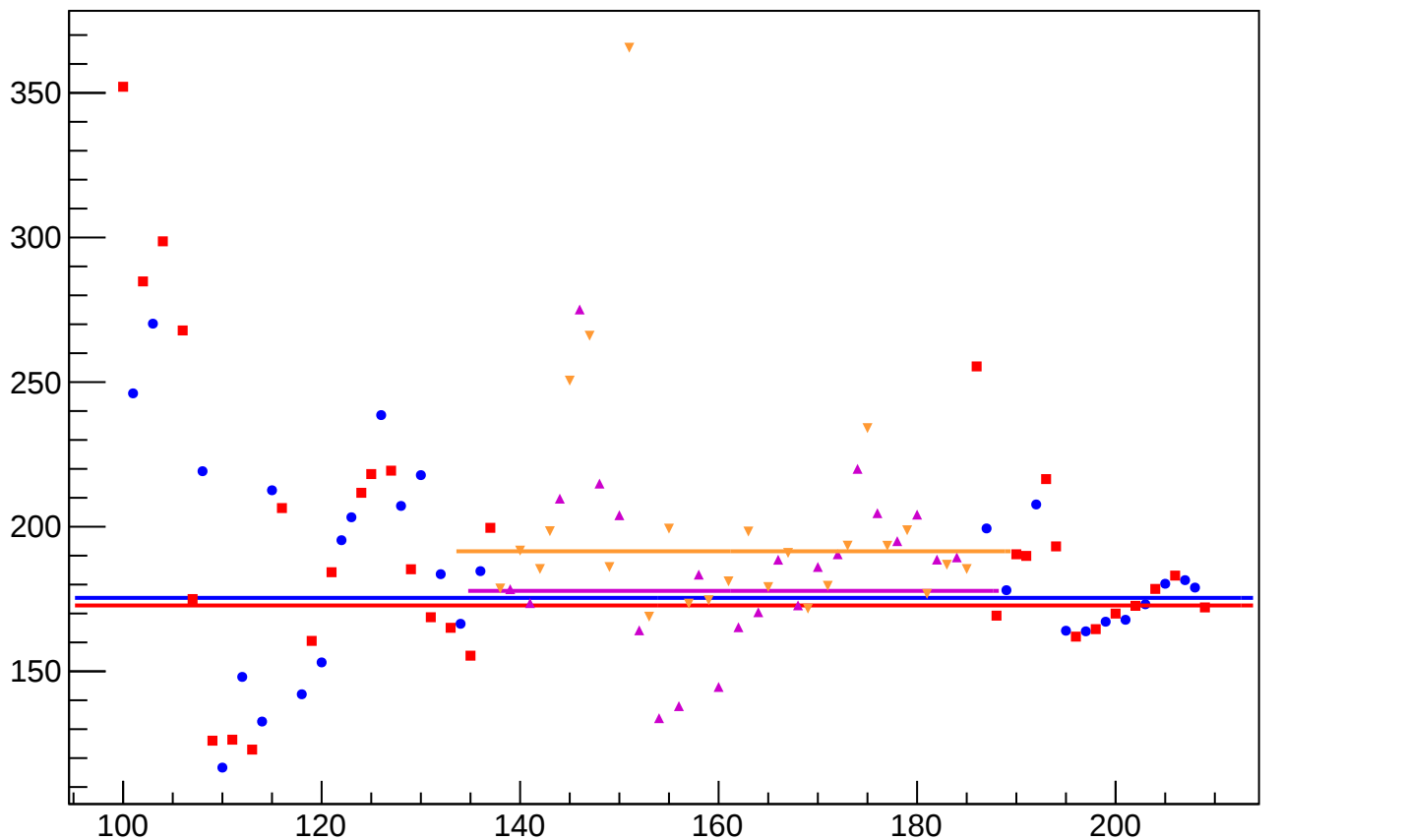
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign 109.340+/-32.757 χ^2/NDF : 205574.2/52

All: 1258.526+/-22.630 χ^2/NDF : 438857.3/10

- sign 2307.695+/-31.299 χ^2/NDF : 230928.7/54

asym_bpm0i02aWS_rms vs Slug



Right In: 175.401 $\pm$ 0.033 χ^2 /NDF: 762306.7/27

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 172.773 $\pm$ 0.032 χ^2 /NDF: 1131674.4/31

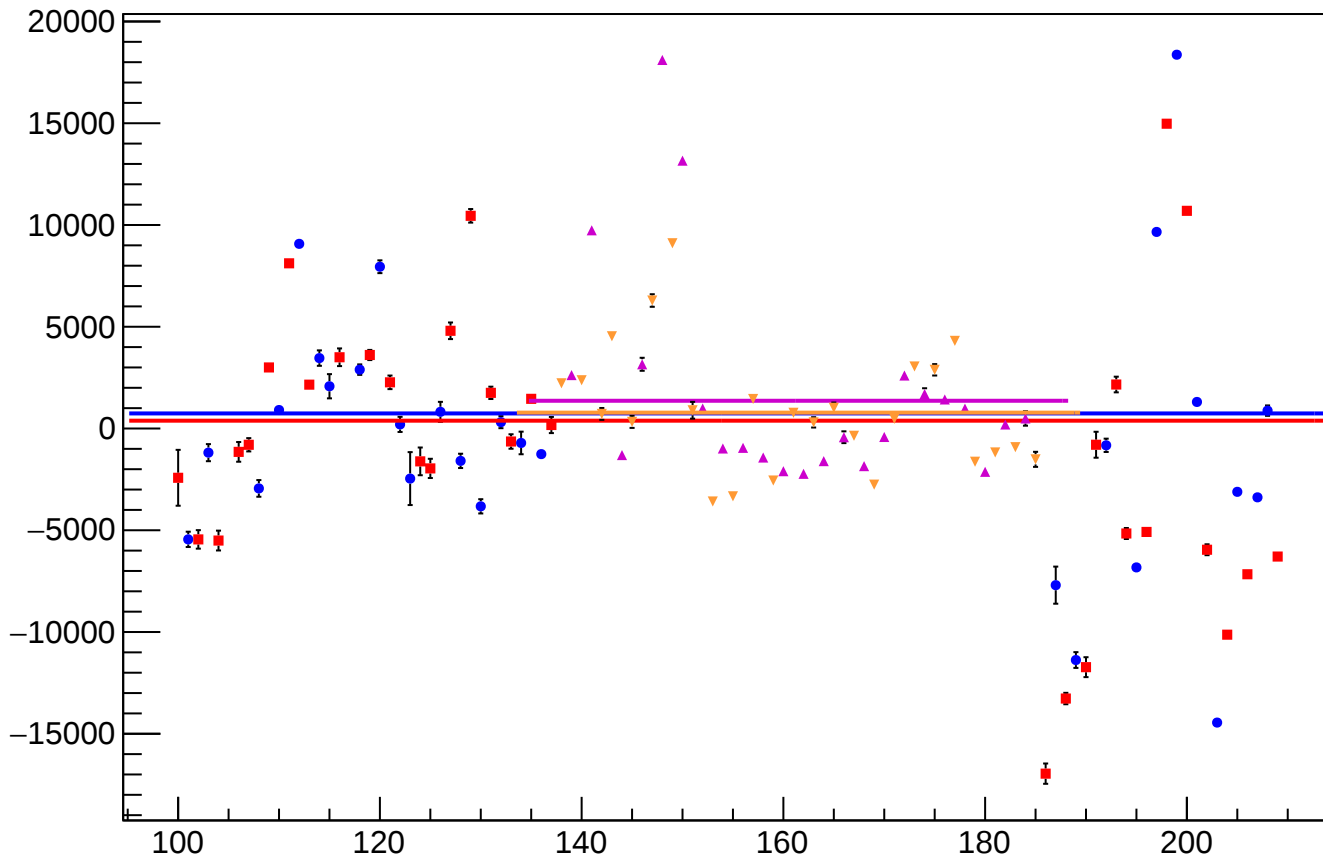
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 183.736 $\pm$ 0.023 χ^2 /NDF: 1610281.0/52

All: 179.344 $\pm$ 0.016 χ^2 /NDF: 3686238.6/107

- sign 175.334 $\pm$ 0.022 χ^2 /NDF: 2007174.0/54

asym_bpm0i05WS_mean vs Slug



Right In: 740.666 $\pm$ 52.968 χ^2 /NDF: 20338.2/27

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: 384.528 $\pm$ 50.313 χ^2 /NDF: 21349.8/31

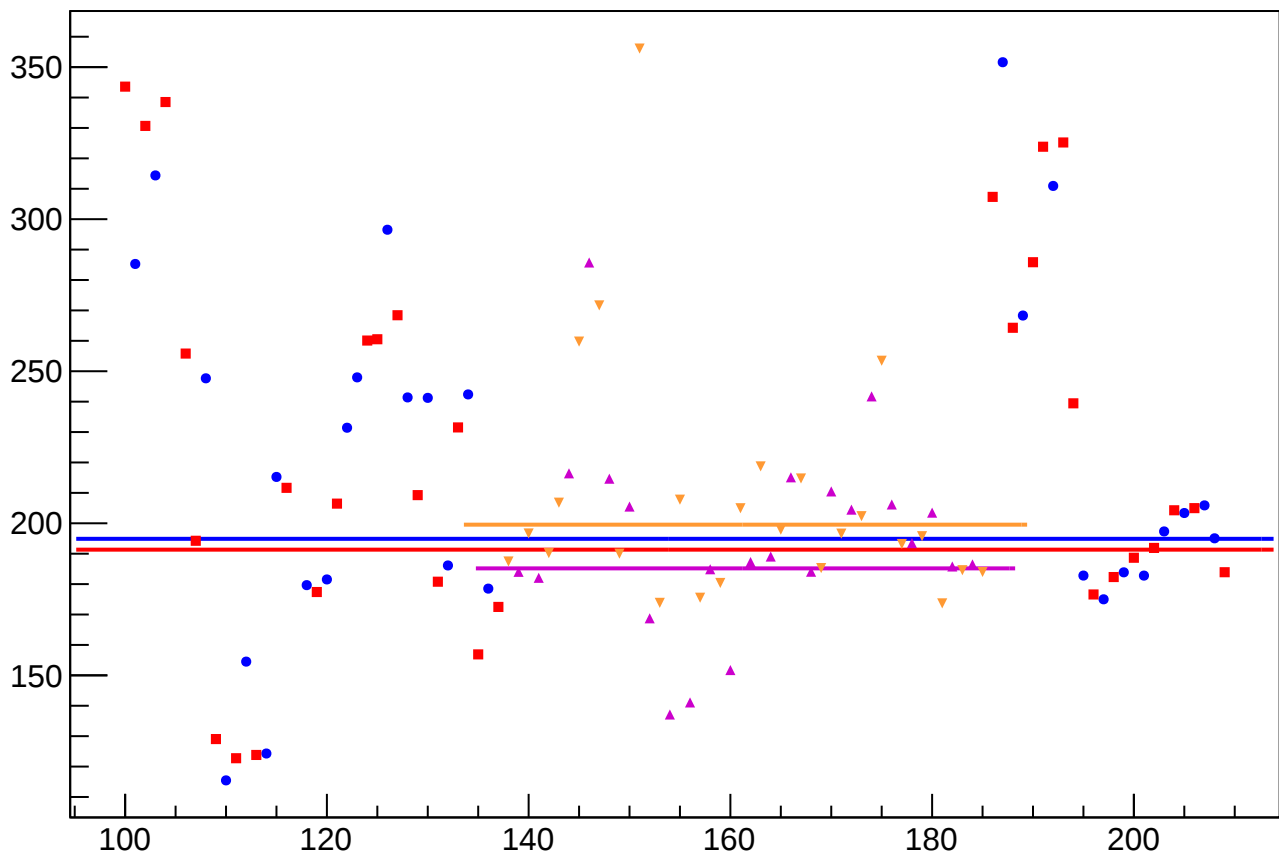
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

+ sign 762.475 $\pm$ 35.346 χ^2 /NDF: 24599.2/52

All: 844.363 $\pm$ 24.455 χ^2 /NDF: 57799.0/107

- sign 919.564 $\pm$ 33.872 χ^2 /NDF: 33189.4/54

asym_bpm0i05WS_rms vs Slug



Right In: 194.893 $\pm$ 0.037 χ^2 /NDF: 1415382.7/27

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 191.329 $\pm$ 0.036 χ^2 /NDF: 2144713.7/31

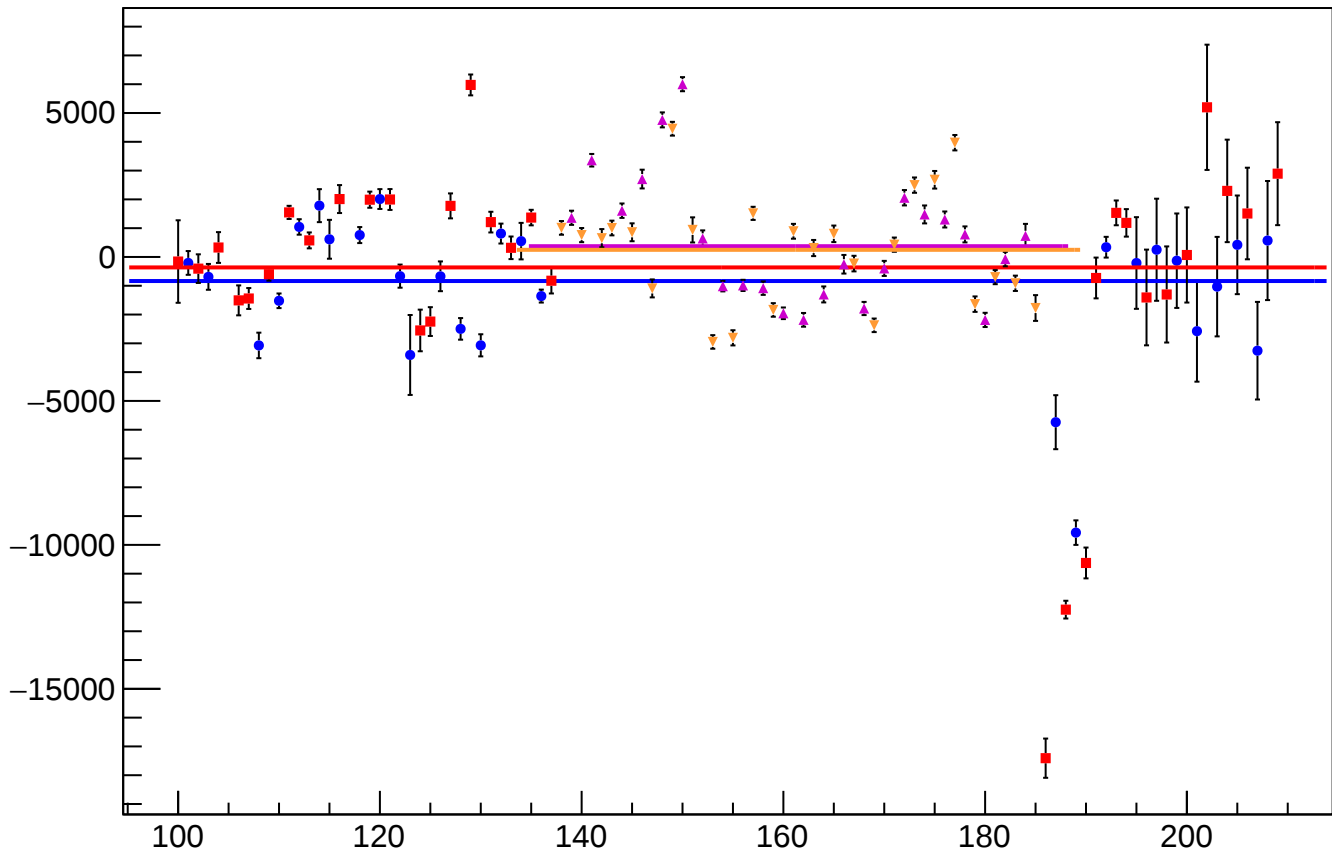
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 197.474 $\pm$ 0.025 χ^2 /NDF: 2153304.1/52

All: 192.516 $\pm$ 0.017 χ^2 /NDF: 5272669.8/107

- sign 187.962 $\pm$ 0.024 χ^2 /NDF: 3043851.8/54

asym_bpm0i07WS_mean vs Slug



Right In: -835.946 ± 83.372 χ^2/NDF : 764.2/27

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -363.269 ± 74.924 χ^2/NDF : 3176.1/31

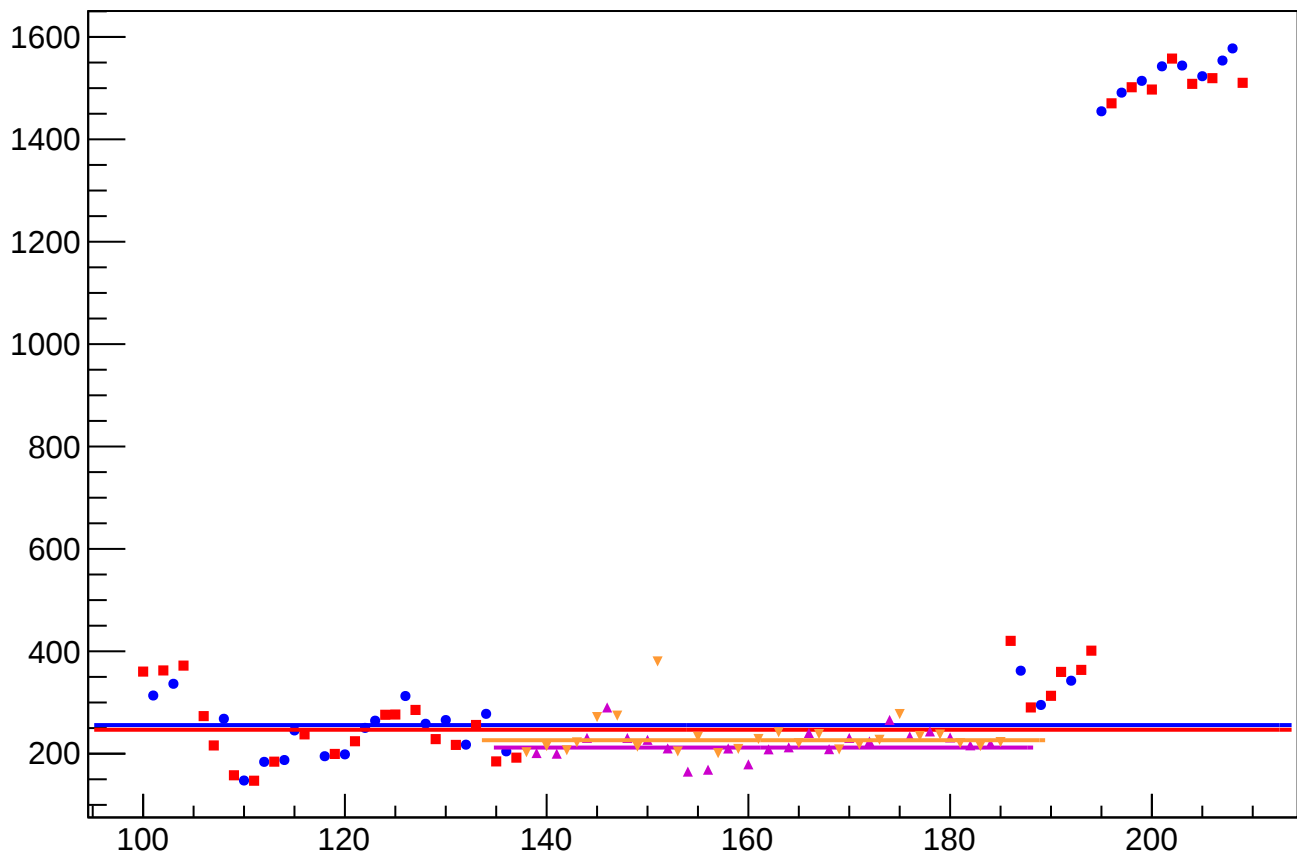
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -68.730 ± 45.059 χ^2/NDF : 2238.9/52

All: 38.022 ± 31.012 χ^2/NDF : 7292.0/107

- sign 134.095 ± 42.747 χ^2/NDF : 5042.5/54

asym_bpm0i07WS_rms vs Slug



Right In: 255.878+/-0.059 χ^2/NDF : 9660935.2/27

Left Out: 226.322+/-0.038 χ^2/NDF : 521041.8/24

Right Out: 246.769+/-0.053 χ^2/NDF : 9270462.8/31

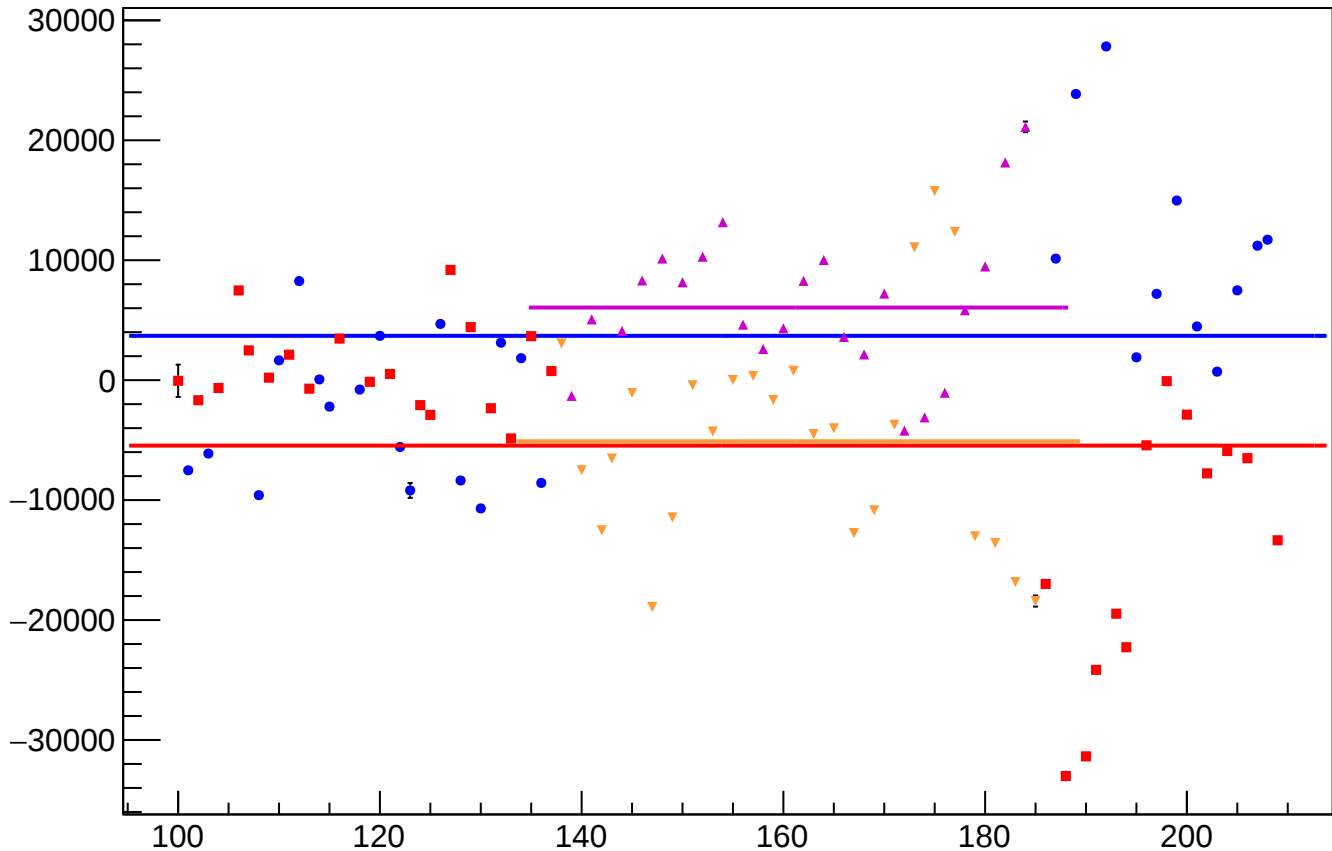
Left In: 211.970+/-0.037 χ^2/NDF : 584344.5/22

+ sign 234.955+/-0.032 χ^2/NDF : 10359912.7/52

All: 228.820+/-0.022 χ^2/NDF : 20576184.8/10

- sign 223.298+/-0.030 χ^2/NDF : 10145814.9/54

asym_bpm1i02WS_mean vs Slug



Right In: 3694.951 ± 35.717 $\chi^2/\text{NDF}: 77238.0/27$

Left Out: -5095.305 ± 33.703 $\chi^2/\text{NDF}: 54395.4/24$

Right Out: -5456.325 ± 33.607 $\chi^2/\text{NDF}: 102872.6/31$

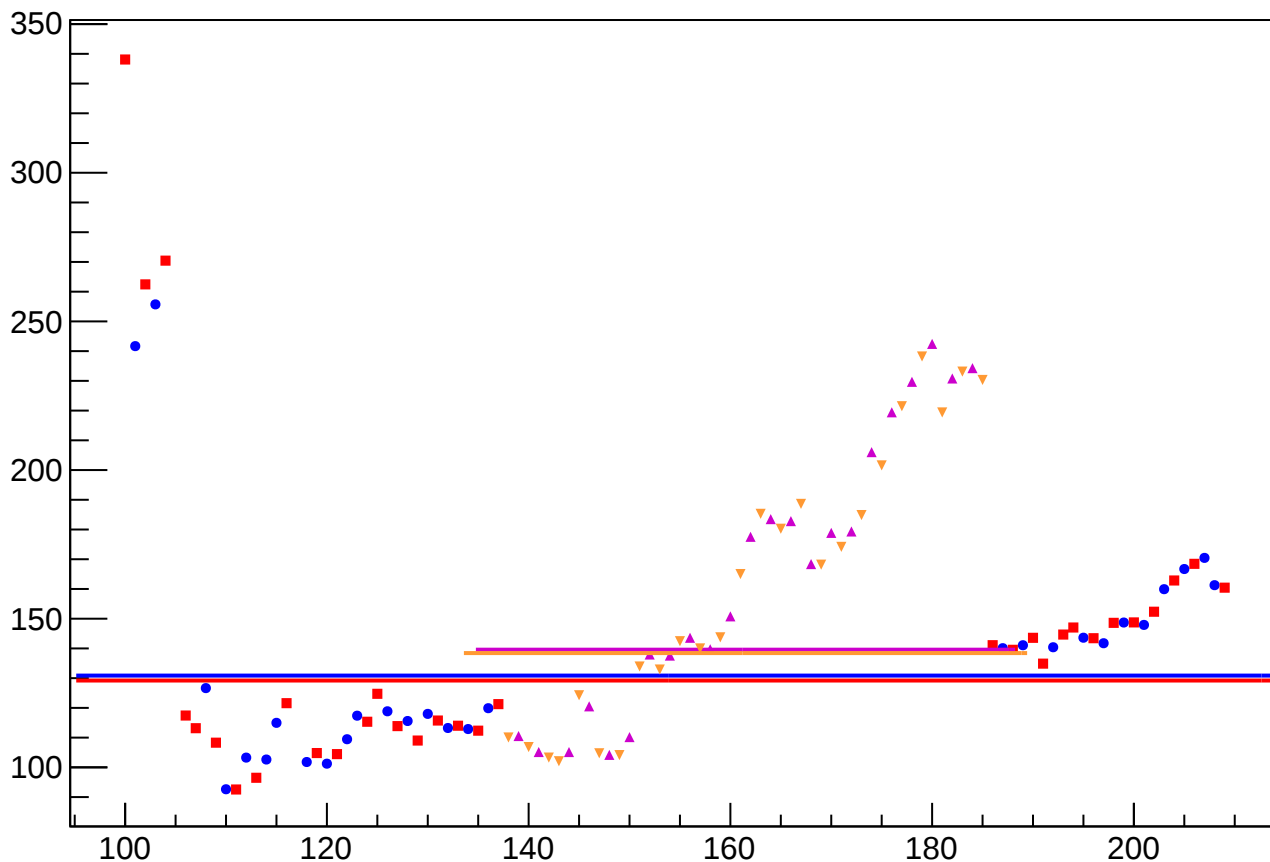
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -954.957 ± 24.513 $\chi^2/\text{NDF}: 163673.1/52$

All: -439.116 ± 17.236 $\chi^2/\text{NDF}: 341282.7/10$

- sign 65.323 ± 24.241 $\chi^2/\text{NDF}: 176733.7/54$

asym_bpm1i02WS_rms vs Slug



Right In: 130.866+/-0.025 χ^2/NDF : 1286966.5/27

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 129.205+/-0.024 χ^2/NDF : 1417392.3/31

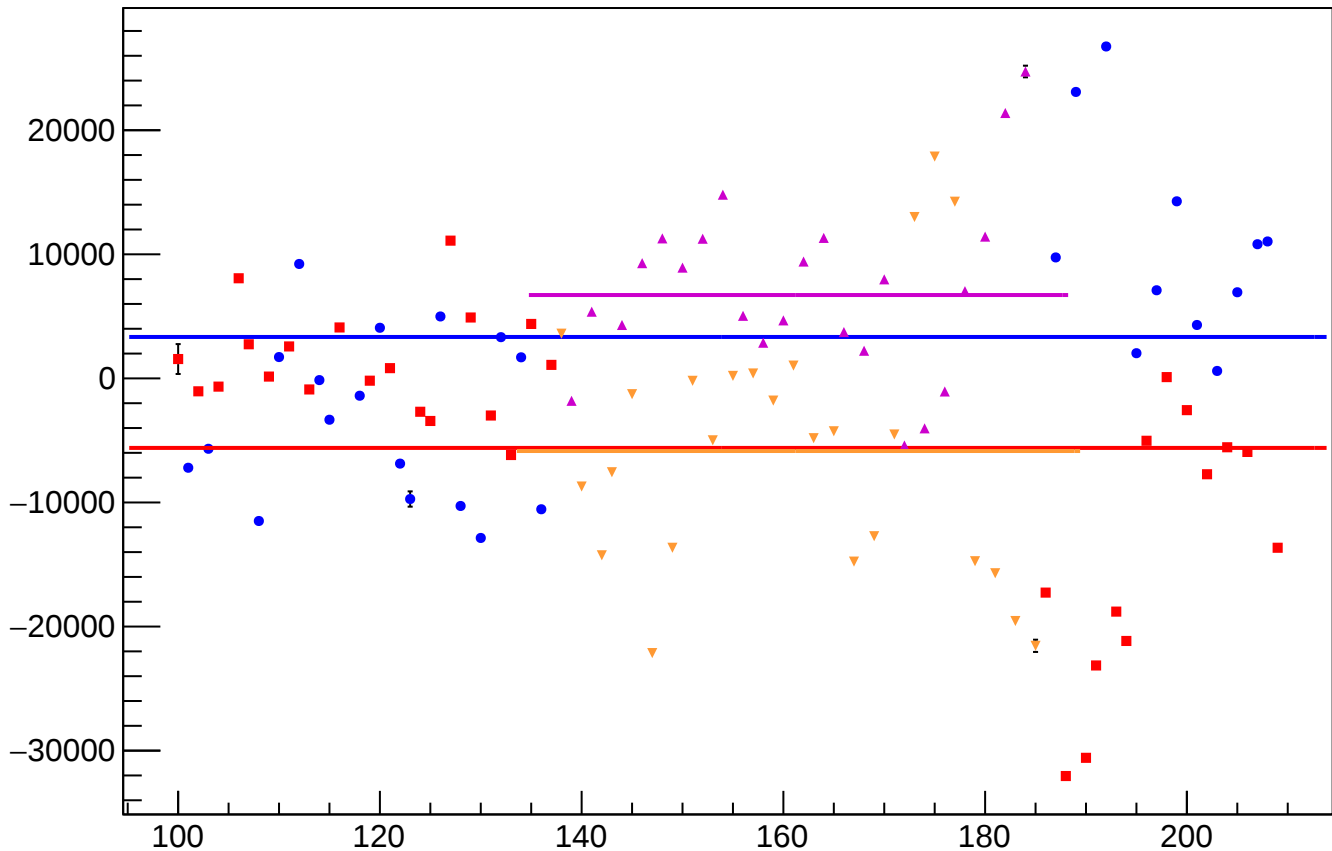
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 134.870+/-0.017 χ^2/NDF : 3883925.4/52

All: 134.522+/-0.012 χ^2/NDF : 7807172.4/107

- sign 134.181+/-0.017 χ^2/NDF : 3922448.5/54

asym_bpm2i01WS_mean vs Slug



Right In: 3338.979 ± 35.795 $\chi^2/\text{NDF}: 82360.4/27$

Left Out: -5852.544 ± 35.880 $\chi^2/\text{NDF}: 63411.4/24$

+ sign -1245.911 ± 25.341 $\chi^2/\text{NDF}: 178662.5/52$

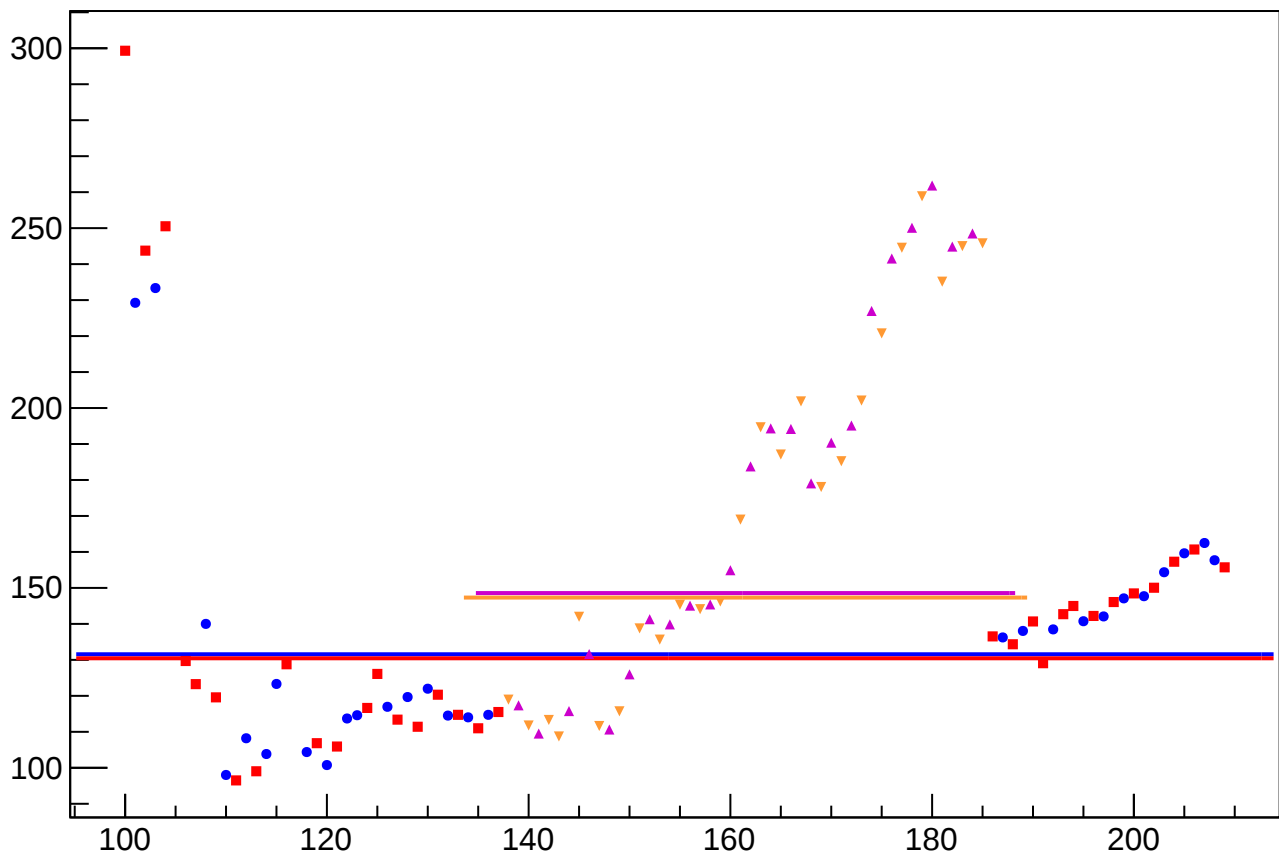
Right Out: -5602.769 ± 33.810 $\chi^2/\text{NDF}: 103527.1/31$

All: -636.514 ± 17.813 $\chi^2/\text{NDF}: 364210.4/10$

- sign -41.346 ± 25.043 $\chi^2/\text{NDF}: 184404.8/54$

Left In: 6718.475 ± 37.276 $\chi^2/\text{NDF}: 20934.3/22$

asym_bpm2i01WS_rms vs Slug



Right In: 131.557+/-0.025 χ^2/NDF : 1026117.6/27

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 130.439+/-0.024 χ^2/NDF : 1109390.2/31

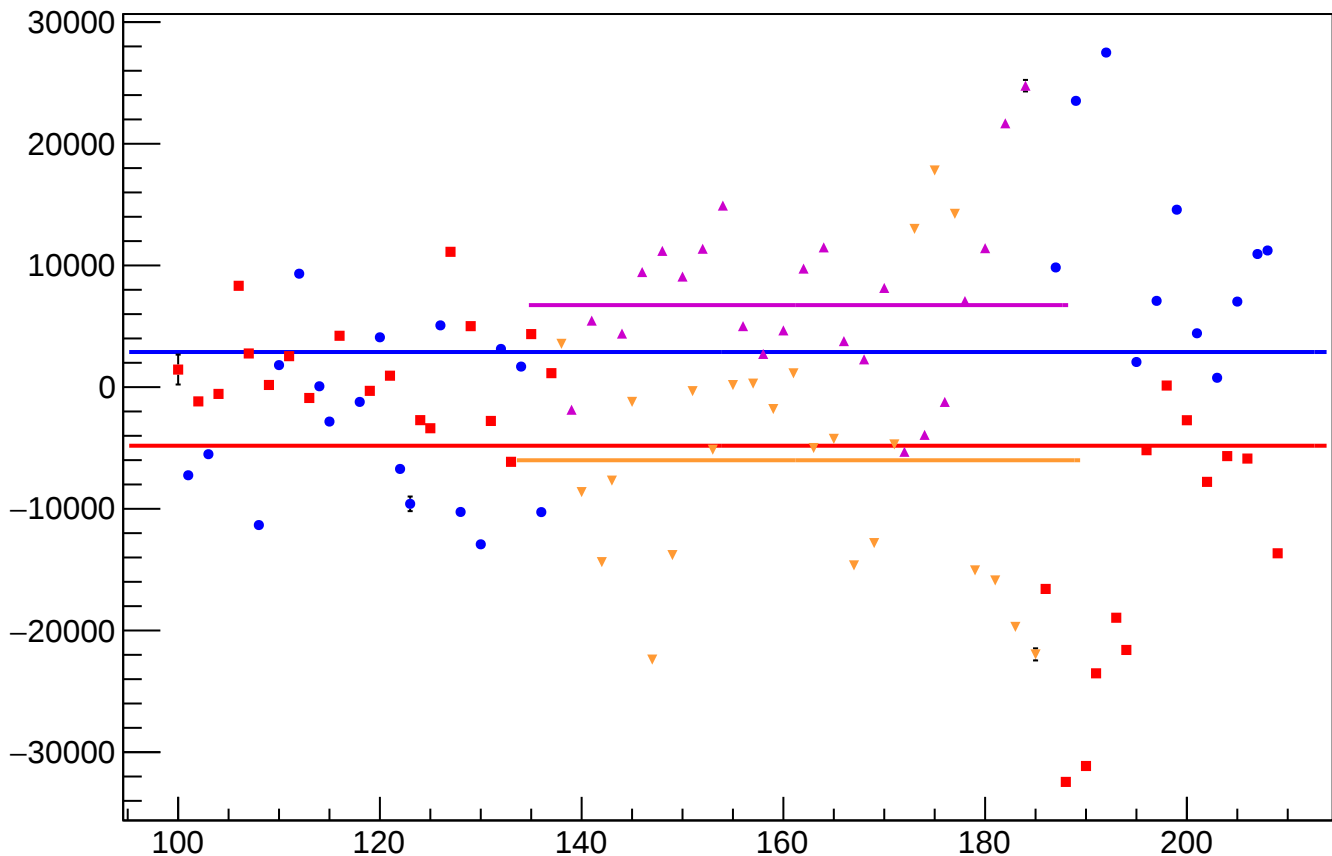
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 139.419+/-0.018 χ^2/NDF : 3731182.8/52

All: 139.016+/-0.013 χ^2/NDF : 7494304.6/107

- sign 138.622+/-0.018 χ^2/NDF : 3762122.5/54

asym_bpm2i02WS_mean vs Slug



Right In: 2886.254+/-35.554 χ^2/NDF : 81899.0/27

Left Out: -6009.913+/-35.082 χ^2/NDF : 67852.2/24

Right Out: -4815.219+/-33.669 χ^2/NDF : 98415.7/31

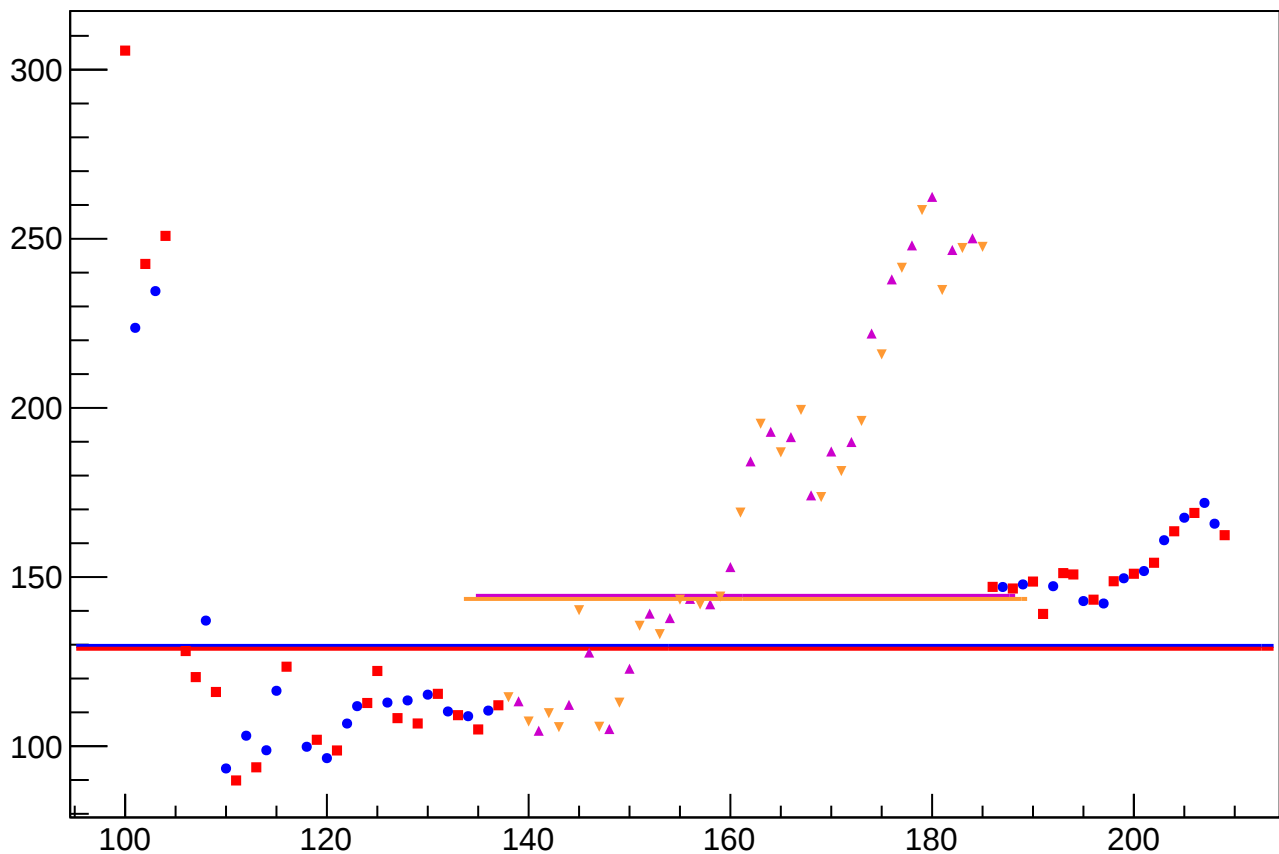
Left In: 6740.666+/-36.379 χ^2/NDF : 22071.8/22

+ sign -1621.283+/-24.972 χ^2/NDF : 181472.8/52

All: -541.262+/-17.565 χ^2/NDF : 360011.5/10

- sign 516.211+/-24.710 χ^2/NDF : 174836.8/54

asym_bpm2i02WS_rms vs Slug



Right In: 129.644+/-0.025 χ^2/NDF : 1371623.7/27

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 128.806+/-0.024 χ^2/NDF : 1528611.6/31

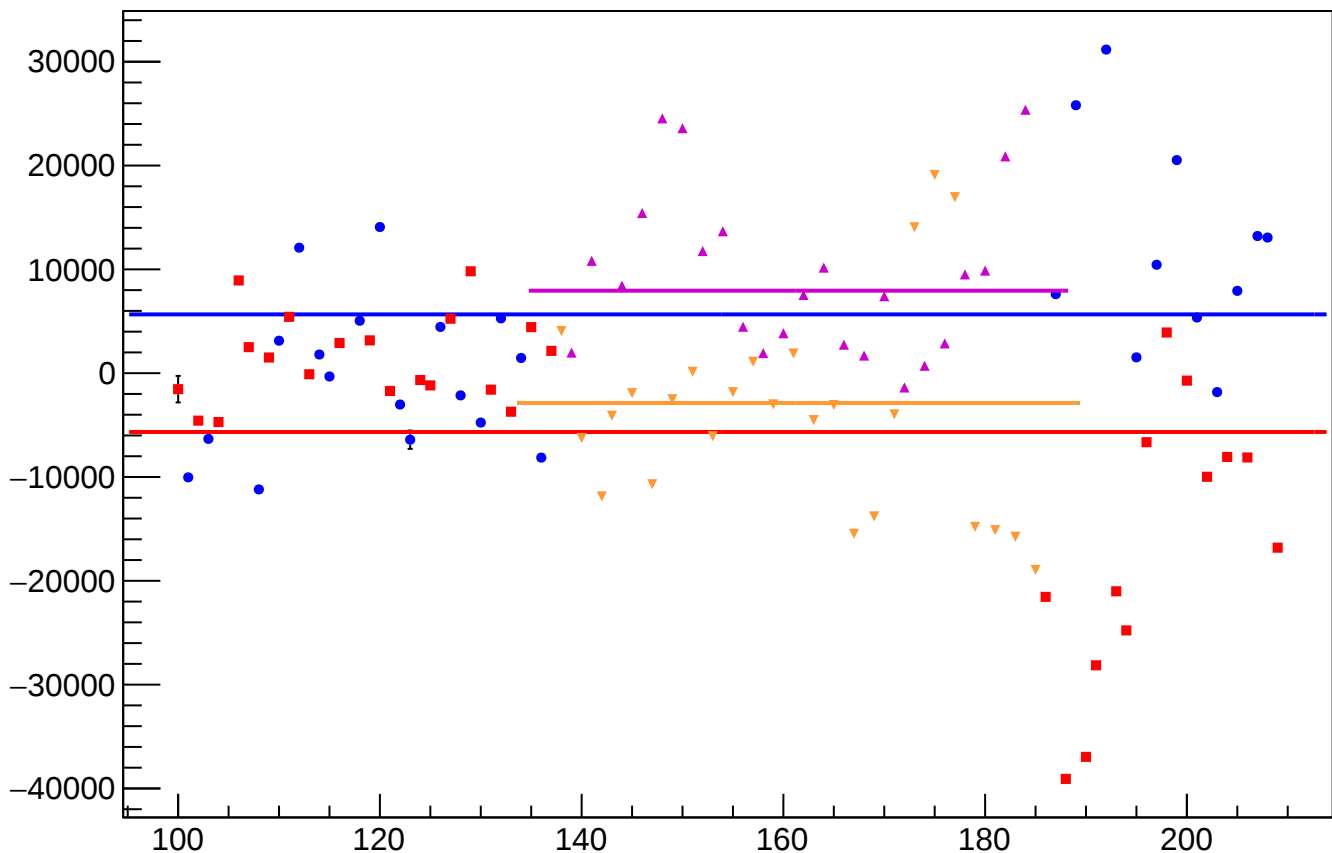
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 136.680+/-0.018 χ^2/NDF : 4231004.9/52

All: 136.346+/-0.012 χ^2/NDF : 8546191.4/107

- sign 136.019+/-0.017 χ^2/NDF : 4314478.2/54

asym_bpm0i01WS_mean vs Slug



Right In: 5662.602 $\pm$ 43.014 χ^2 /NDF: 61937.5/27

Left Out: -2870.473 $\pm$ 39.482 χ^2 /NDF:46420.3/24

Right Out: -5663.536 $\pm$ 40.722 χ^2 /NDF: 98021.8/31

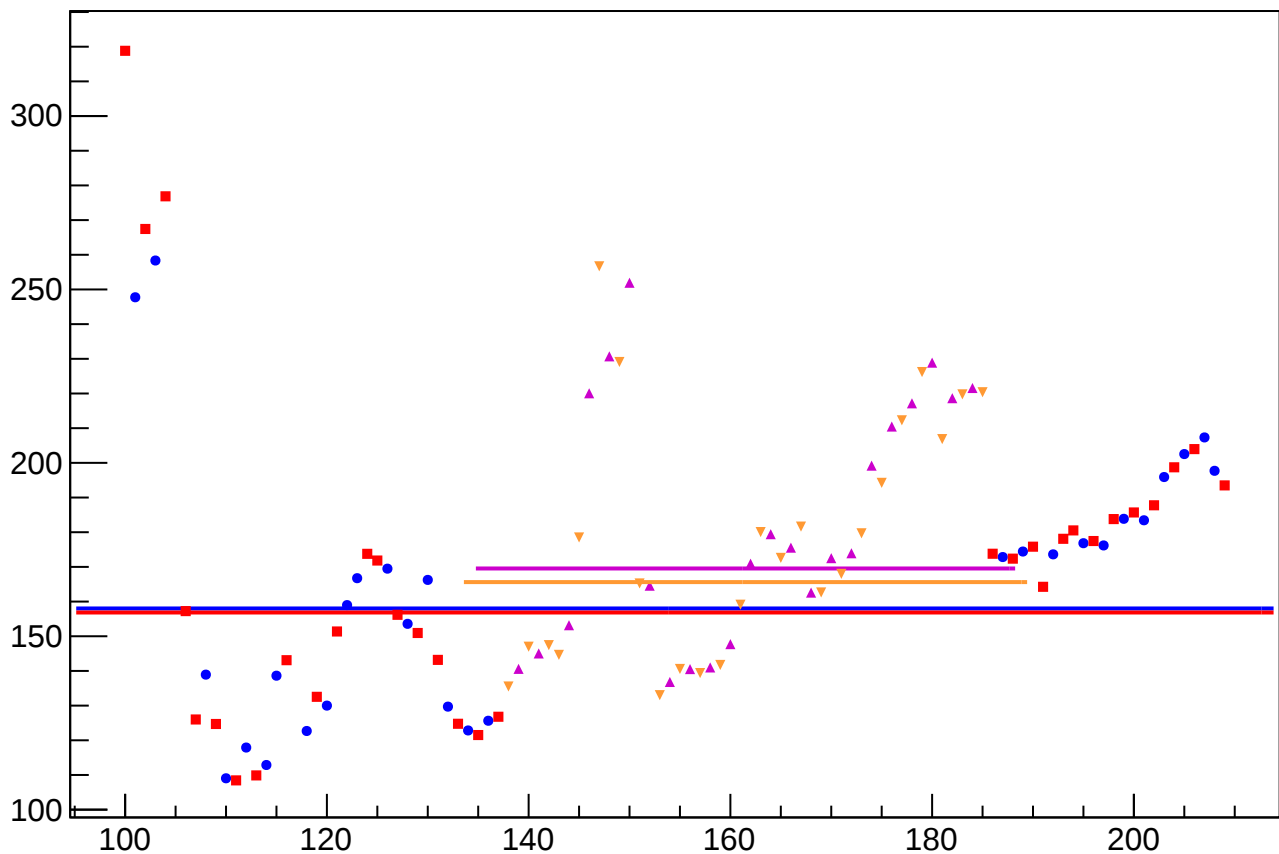
Left In: 7947.160 $\pm$ 41.726 χ^2 /NDF:23874.5/22

+ sign 1031.373 $\pm$ 29.087 χ^2 /NDF: 129716.4/52

All: 1003.794 $\pm$ 20.587 χ^2 /NDF: 306111.4/10

- sign 976.108 $\pm$ 29.143 χ^2 /NDF: 176393.2/54

asym_bpm0i01WS_rms vs Slug



Right In: 158.011+/-0.030 χ^2/NDF : 1310132.6/27

Left Out: 165.616+/-0.028 χ^2/NDF : 1144779.3/24

Right Out: 156.849+/-0.029 χ^2/NDF : 1443106.9/31

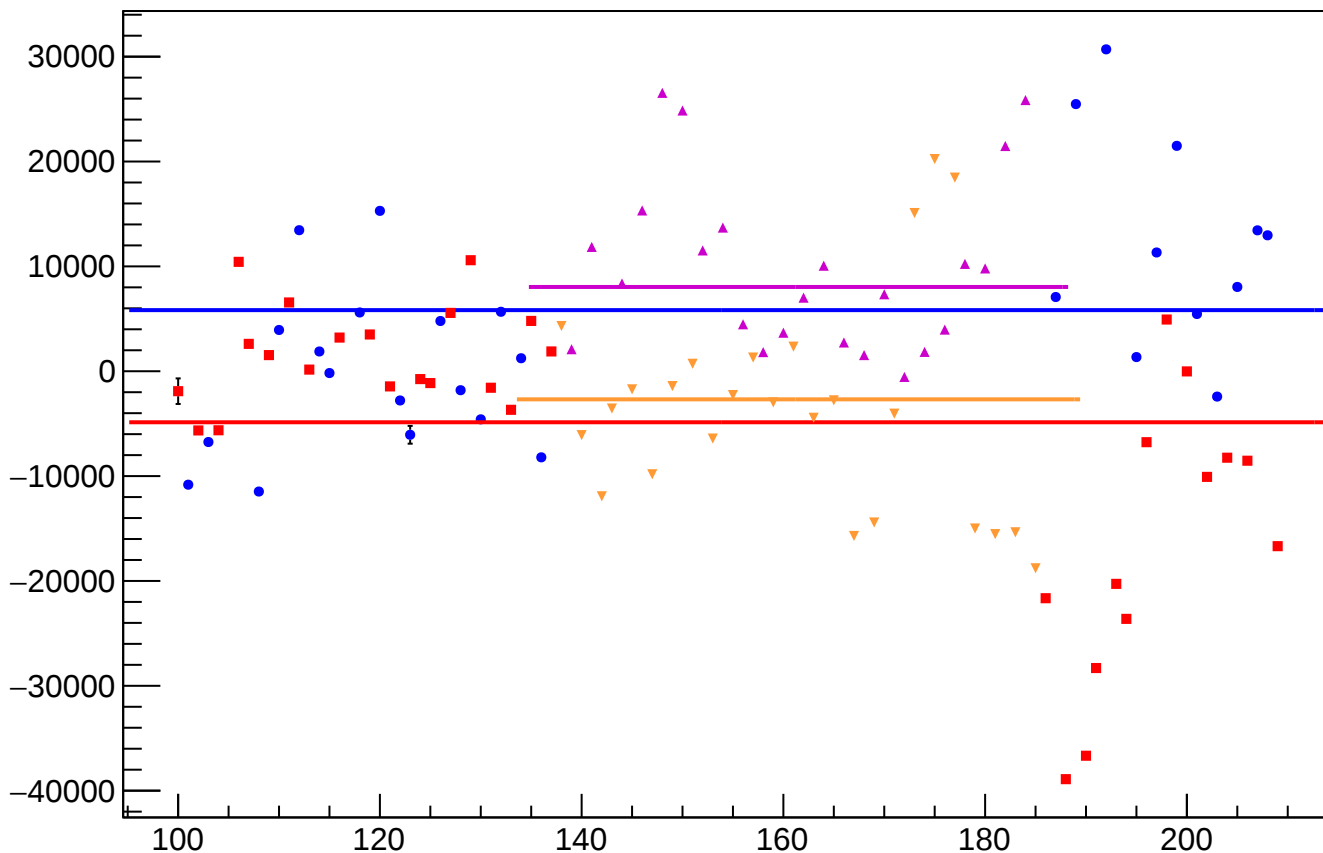
Left In: 169.542+/-0.030 χ^2/NDF : 1159241.9/22

+ sign 162.139+/-0.021 χ^2/NDF : 2488841.5/52

All: 162.589+/-0.015 χ^2/NDF : 5186929.4/107

- sign 163.041+/-0.021 χ^2/NDF : 2697127.9/54

asym_bpm0i01aWS_mean vs Slug



Right In: 5827.688+/-36.310 χ^2/NDF : 87024.7/27

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -4866.626+/-34.170 χ^2/NDF : 136843.2/31

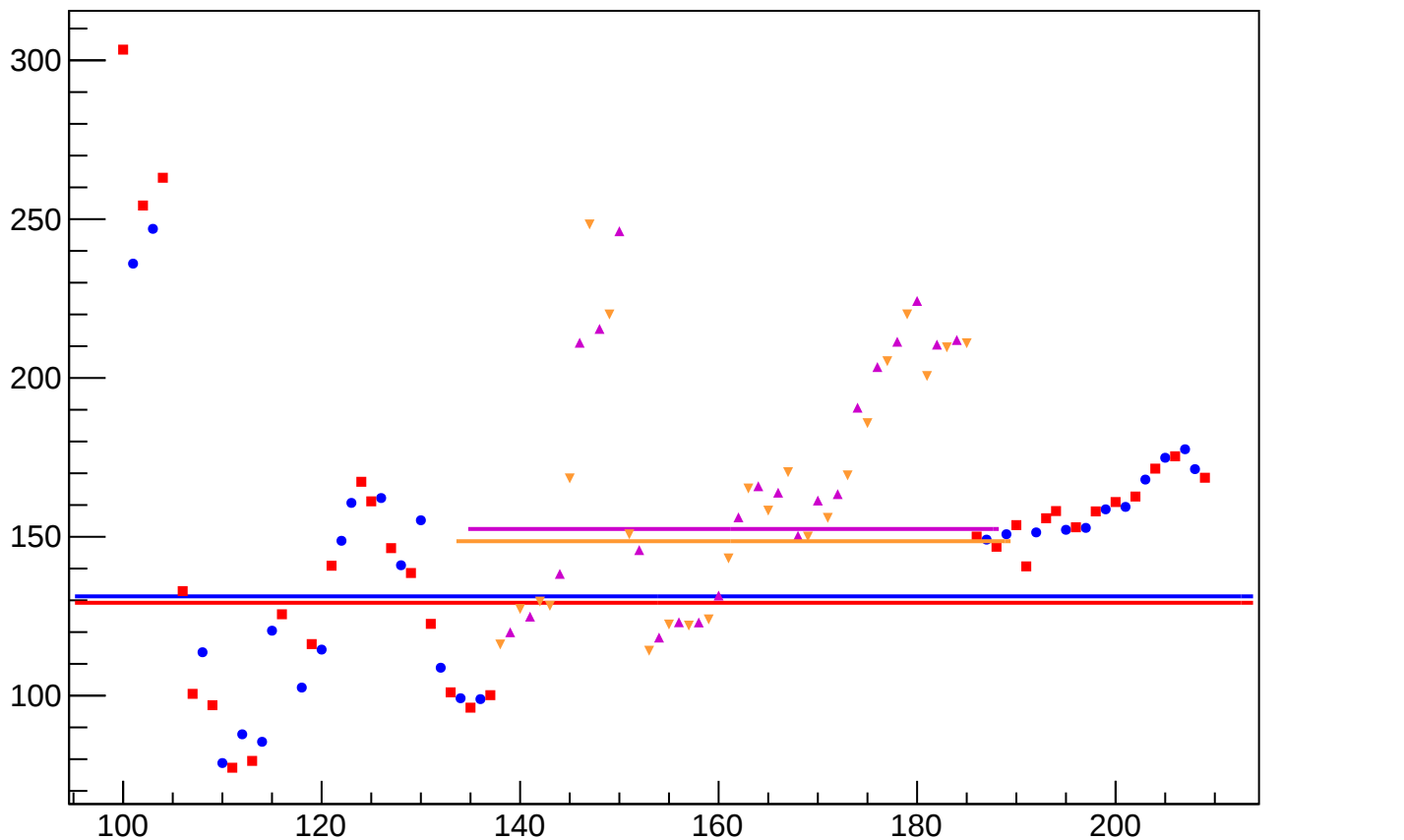
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 1509.352+/-25.480 χ^2/NDF : 171711.3/52

All: 1211.096+/-17.984 χ^2/NDF : 401982.8/10

- sign 915.032+/-25.386 χ^2/NDF : 229998.5/54

asym_bpm0i01aWS_rms vs Slug



Right In: 131.253+/-0.026 χ^2/NDF : 2021339.7/27

Left Out: 148.611+/-0.025 χ^2/NDF :1685424.1/24

Right Out: 129.233+/-0.024 χ^2/NDF : 2317880.8/31

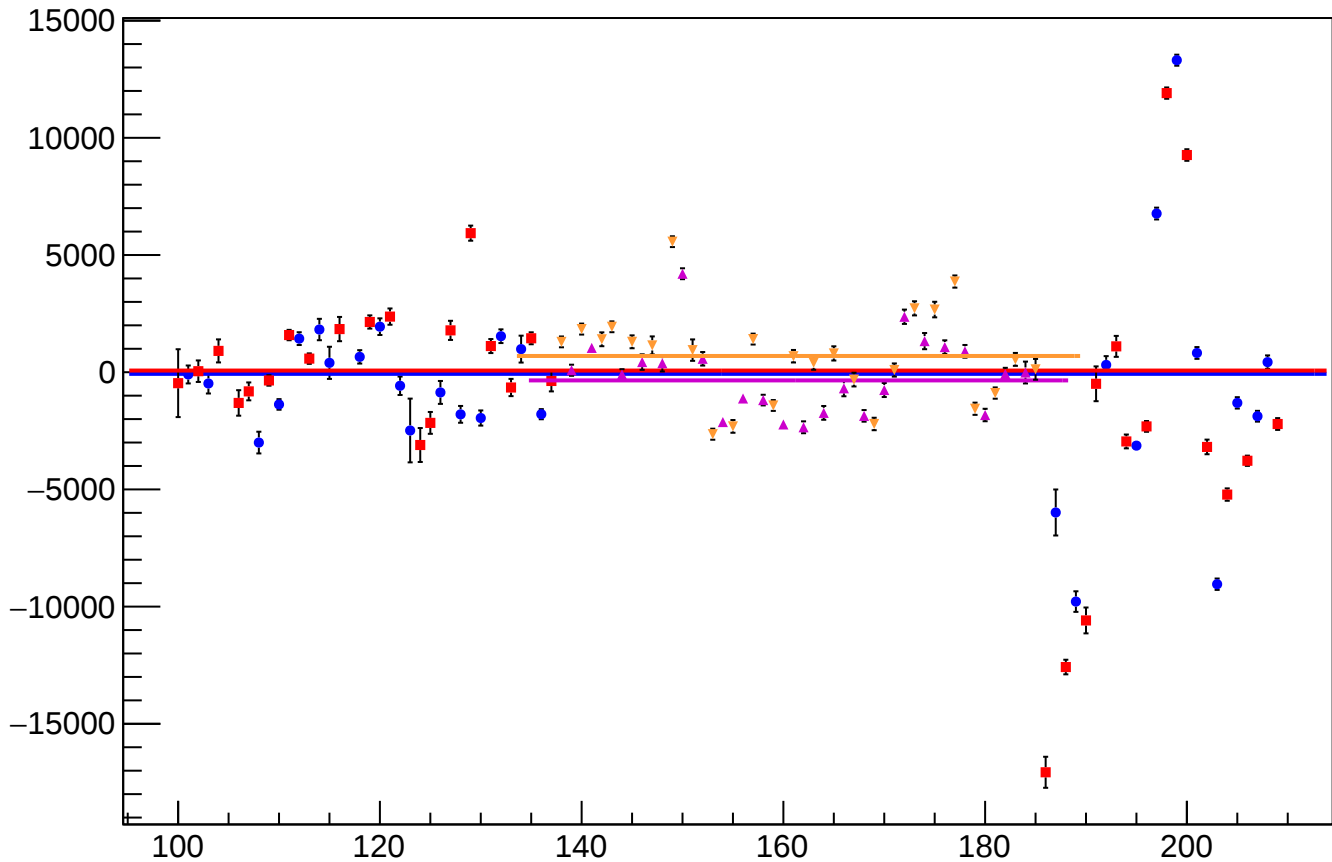
Left In: 152.463+/-0.027 χ^2/NDF :1691517.7/22

+ sign 140.063+/-0.018 χ^2/NDF : 3938757.5/52

All: 139.852+/-0.013 χ^2/NDF : 8362615.5/107

- sign 139.642+/-0.018 χ^2/NDF : 4423583.4/54

asym_bpm0l01WS_mean vs Slug



Right In: -69.682 ± 58.573 χ^2/NDF : 6488.1/27

Left Out: 692.998 ± 54.303 χ^2/NDF : 1422.0/24

Right Out: 71.034 ± 56.454 χ^2/NDF : 8215.9/31

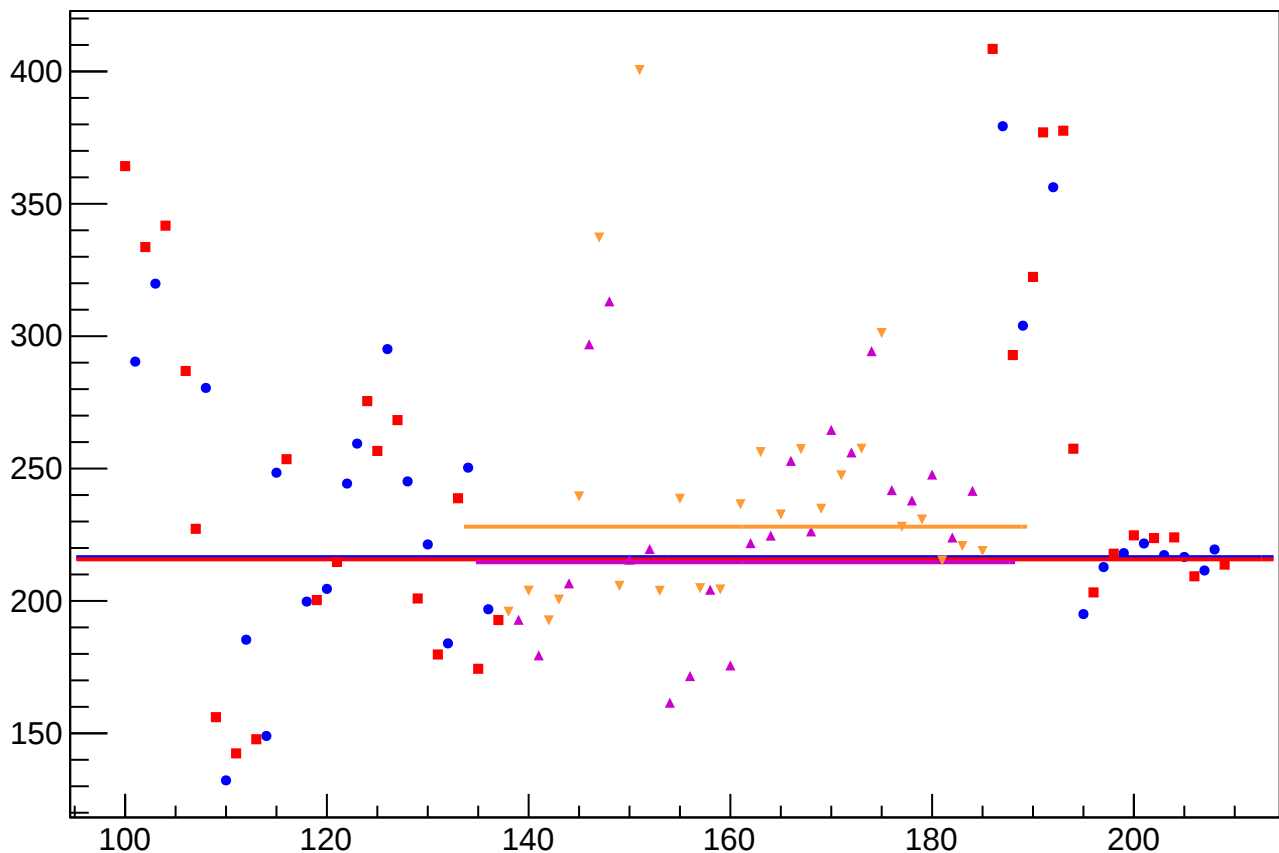
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 340.463 ± 39.822 χ^2/NDF : 8001.4/52

All: 86.950 ± 27.745 χ^2/NDF : 17306.4/107

- sign -152.184 ± 38.676 χ^2/NDF : 9226.3/54

asym_bpm0l01WS_rms vs Slug



Right In: 216.539 $\pm$ 0.041 χ^2 /NDF: 1150967.2/27

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF: 826343.8/24

Right Out: 215.722 $\pm$ 0.040 χ^2 /NDF: 1822737.2/31

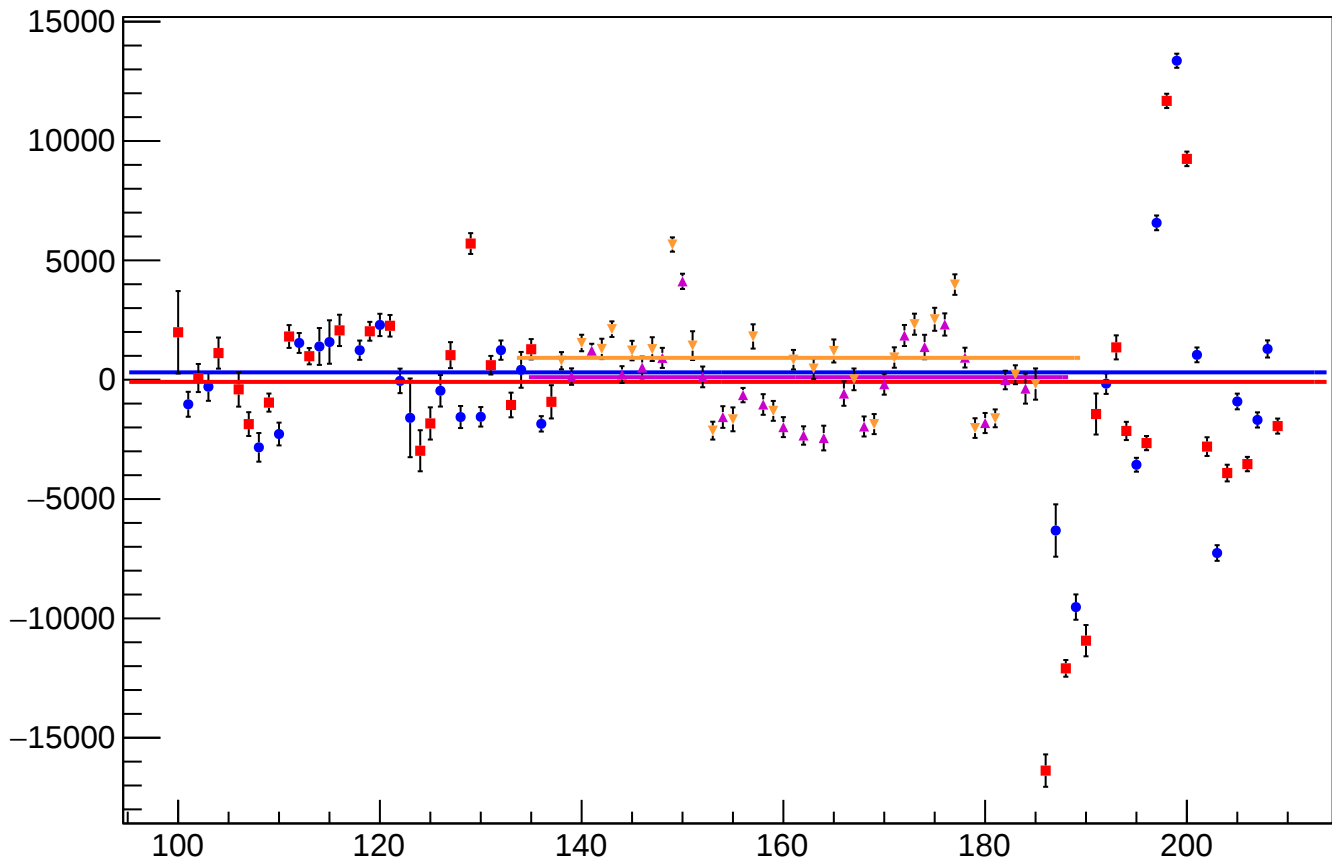
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF: 1025683.3/22

+ sign 222.735 $\pm$ 0.028 χ^2 /NDF: 2018929.1/52

All: 218.827 $\pm$ 0.020 χ^2 /NDF: 4905175.7/107

- sign 215.141 $\pm$ 0.027 χ^2 /NDF: 2848820.0/54

asym_bpm0l02WS_mean vs Slug



Right In: 307.856+/-79.625 χ^2/NDF : 3705.1/27

Left Out: 915.968+/-83.398 χ^2/NDF : 618.3/24

Right Out: -91.402+/-76.944 χ^2/NDF : 5284.7/31

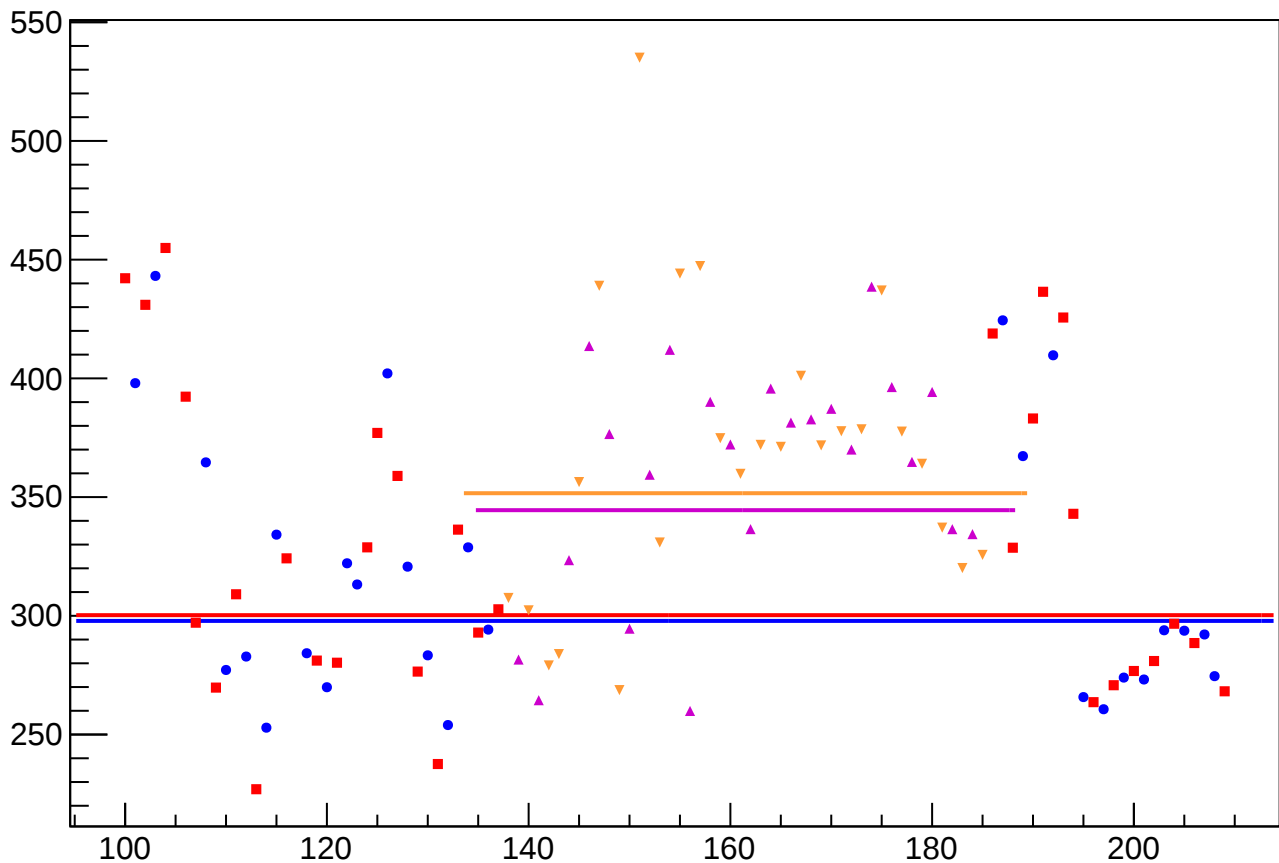
Left In: 106.116+/-84.393 χ^2/NDF : 390.3/22

+ sign 597.843+/-57.591 χ^2/NDF : 4351.3/52

All: 294.214+/-40.462 χ^2/NDF : 10084.1/107

- sign -1.744+/-56.859 χ^2/NDF : 5677.9/54

asym_bpm0l02WS_rms vs Slug



Right In: 297.857 $\pm$ 0.056 χ^2 /NDF: 618722.2/27

Left Out: 351.633 $\pm$ 0.059 χ^2 /NDF: 907849.3/24

Right Out: 300.270 $\pm$ 0.054 χ^2 /NDF: 889269.0/31

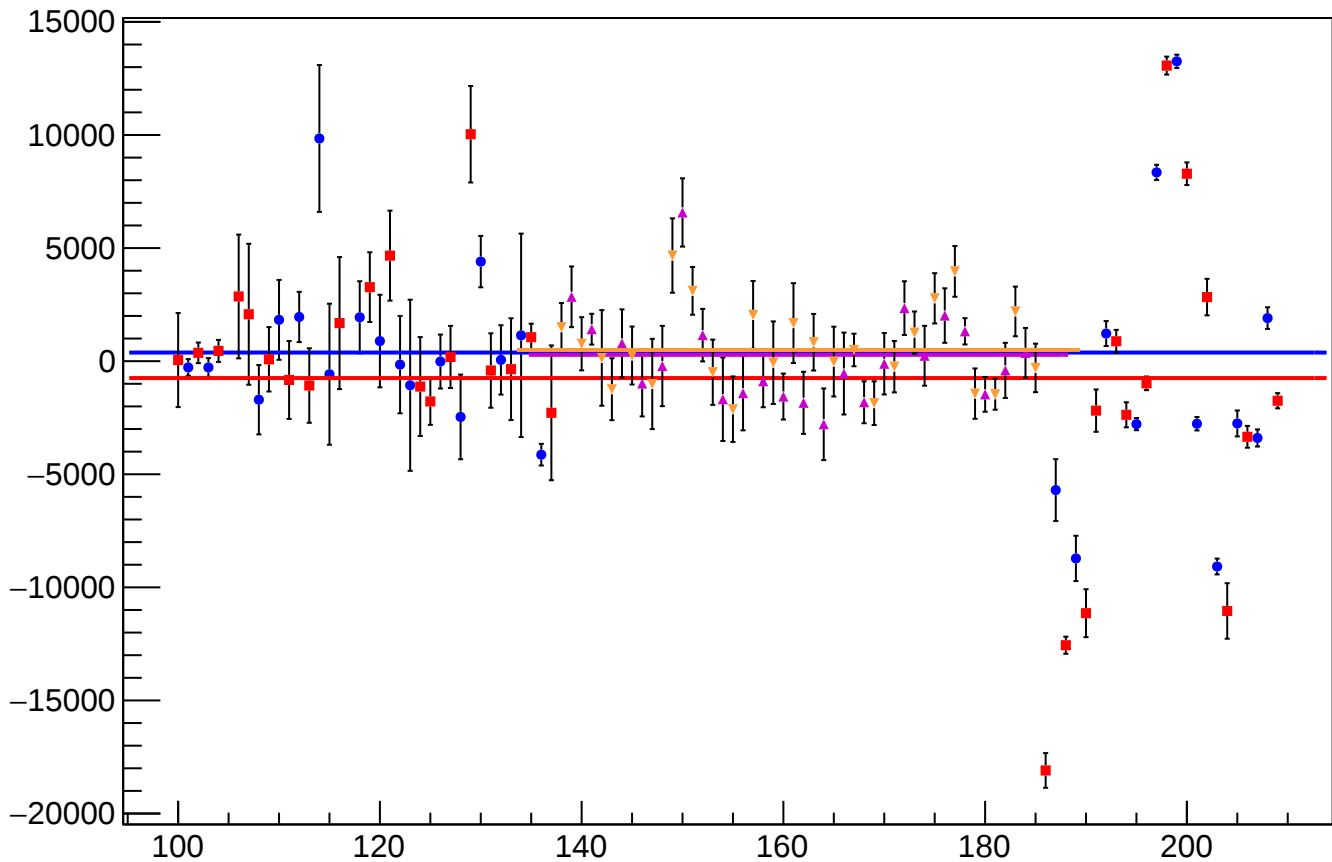
Left In: 344.491 $\pm$ 0.060 χ^2 /NDF: 768885.4/22

+ sign 323.501 $\pm$ 0.041 χ^2 /NDF: 1961587.8/52

All: 321.902 $\pm$ 0.029 χ^2 /NDF: 3922652.3/107

- sign 320.343 $\pm$ 0.040 χ^2 /NDF: 1958019.2/54

asym_bpm0l03WS_mean vs Slug



Right In: 381.162 $\pm$ 102.253 χ^2 /NDF: 3833.6/27

Left Out: 495.014 $\pm$ 231.058 χ^2 /NDF:56.2/24

Right Out: -746.417 $\pm$ 118.249 χ^2 /NDF: 3338.7/31

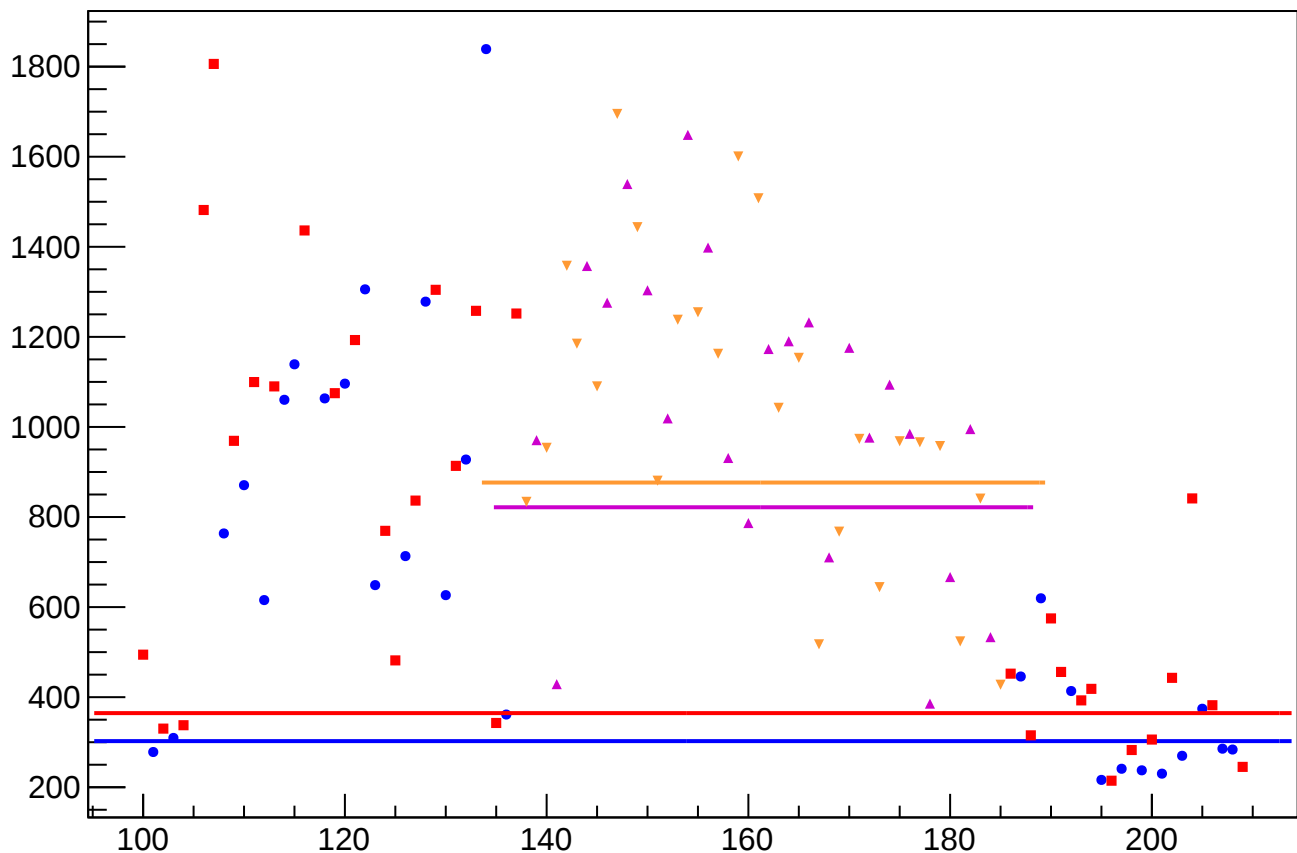
Left In: 280.692 $\pm$ 232.048 χ^2 /NDF:57.2/22

+ sign 399.807 $\pm$ 93.506 χ^2 /NDF: 3890.0/52

All: -11.940 $\pm$ 69.935 χ^2 /NDF: 7345.5/107

- sign -534.681 $\pm$ 105.358 χ^2 /NDF: 3411.4/54

asym_bpm0l03WS_rms vs Slug



Right In: 302.434+/-0.072 χ^2/NDF : 4406201.8/27

Left Out: 876.560+/-0.163 χ^2/NDF : 3434698.7/24

Right Out: 364.609+/-0.084 χ^2/NDF : 5744436.3/31

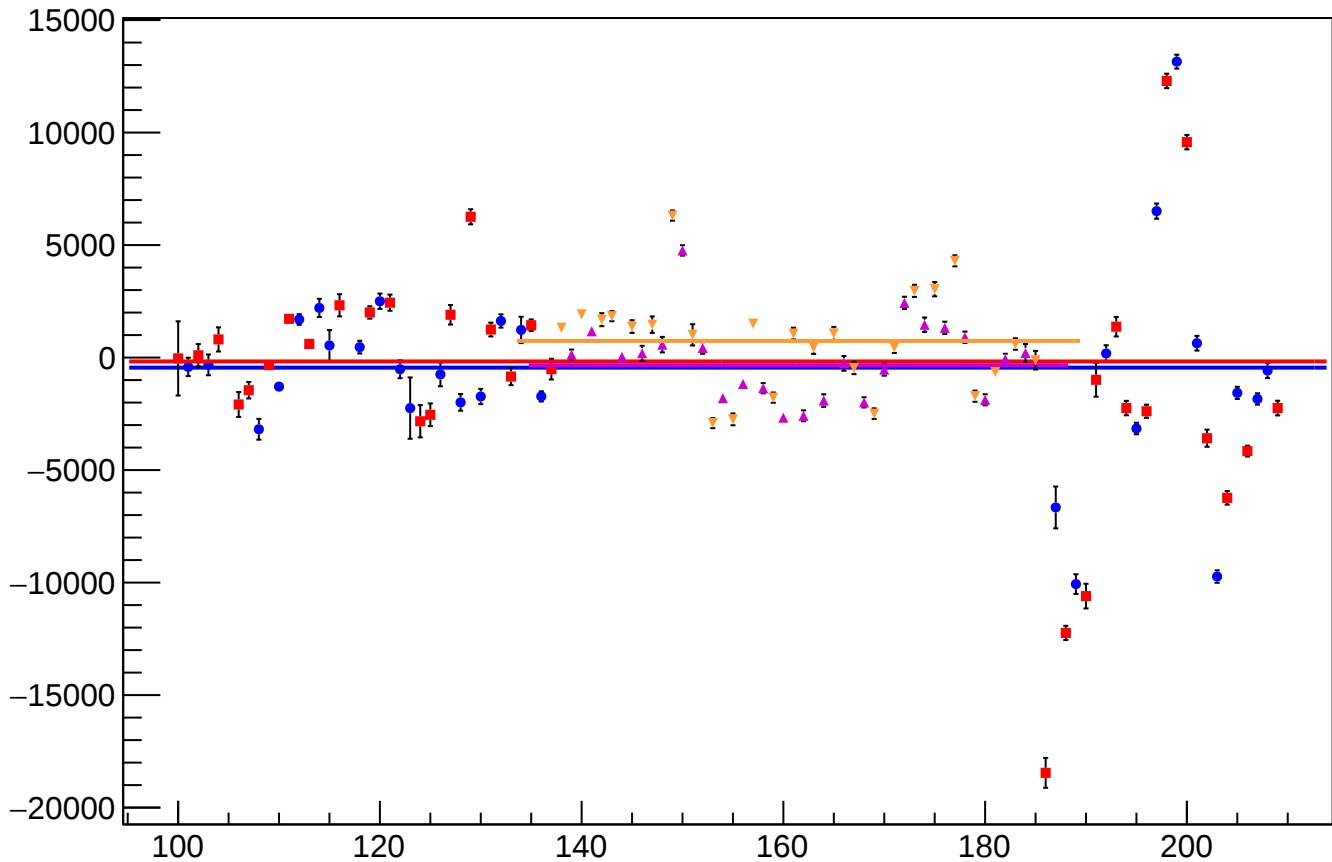
Left In: 821.657+/-0.164 χ^2/NDF : 4443094.2/22

+ sign 396.459+/-0.066 χ^2/NDF : 18166797.0/52

All: 423.940+/-0.049 χ^2/NDF : 34905817.5/10

- sign 458.828+/-0.074 χ^2/NDF : 16346954.6/54

asym_bpm0l04WS_mean vs Slug



Right In: -446.481 ± 62.513 χ^2/NDF : 4545.3/27

Left Out: 738.847 ± 51.649 χ^2/NDF : 1935.2/24

Right Out: -171.796 ± 59.231 χ^2/NDF : 6666.6/31

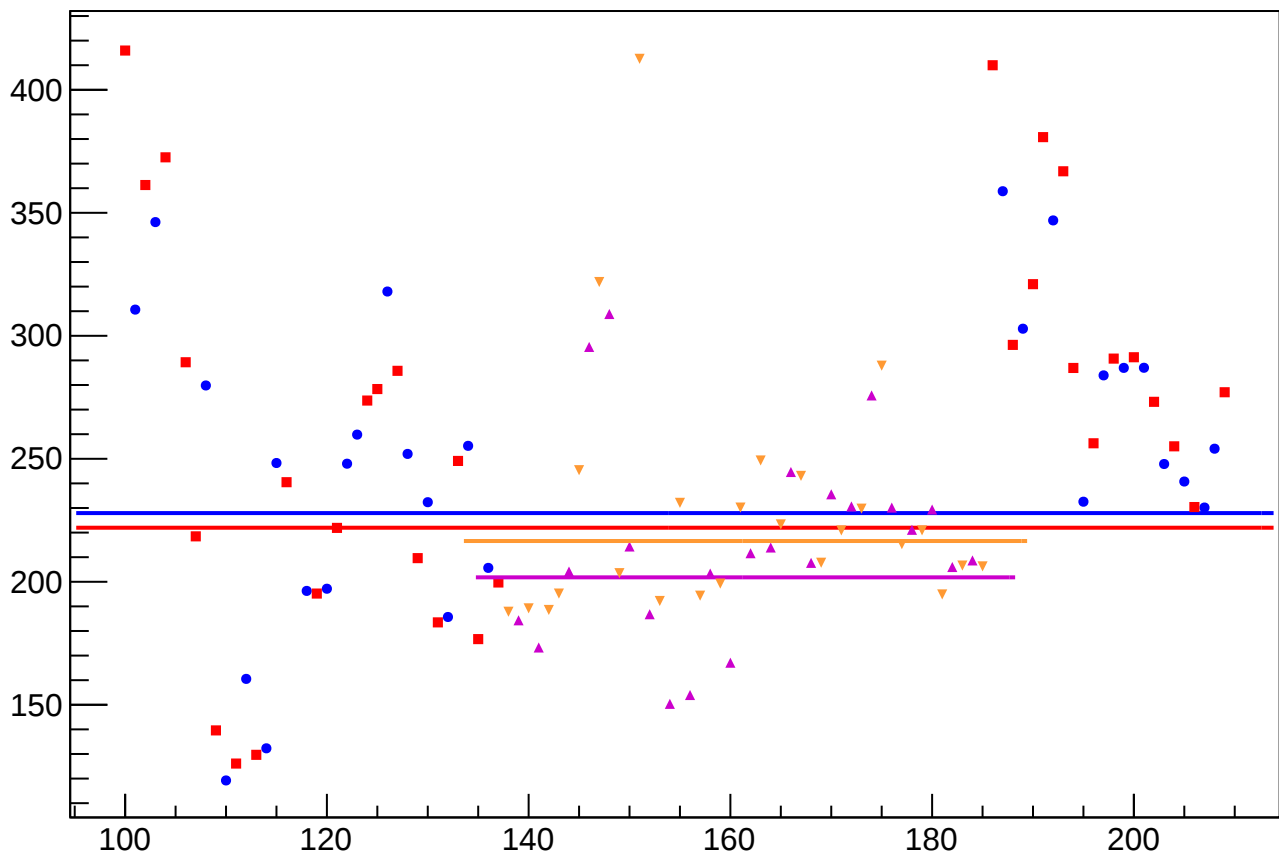
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 257.967 ± 39.817 χ^2/NDF : 6694.2/52

All: -17.486 ± 27.575 χ^2/NDF : 14712.5/107

- sign -271.378 ± 38.227 χ^2/NDF : 7926.4/54

asym_bpm0l04WS_rms vs Slug



Right In: 227.930 ± 0.044 χ^2/NDF : 1787896.9/27

Left Out: 216.574 ± 0.037 χ^2/NDF : 886214.1/24

Right Out: 221.981 ± 0.042 χ^2/NDF : 2894704.6/31

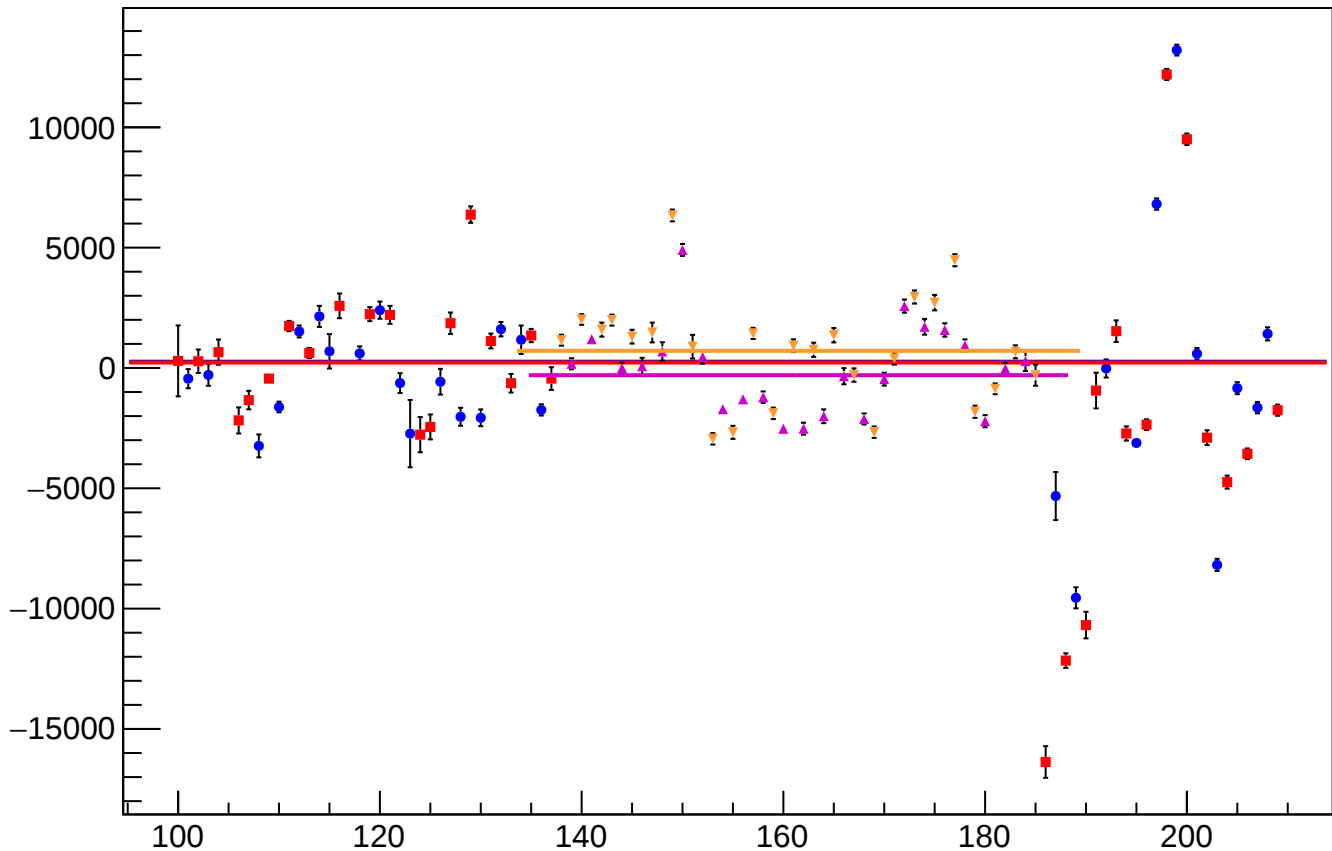
Left In: 201.805 ± 0.035 χ^2/NDF : 1087243.4/22

+ sign 221.181 ± 0.028 χ^2/NDF : 2713332.5/52

All: 215.472 ± 0.019 χ^2/NDF : 6909709.0/107

- sign 210.209 ± 0.027 χ^2/NDF : 4117350.6/54

asym_bpm0l05WS_mean vs Slug



Right In: 260.538 ± 58.661 χ^2/NDF : 6488.8/27

Left Out: 711.174 ± 53.245 χ^2/NDF : 1835.3/24

Right Out: 226.011 ± 56.204 χ^2/NDF : 8529.6/31

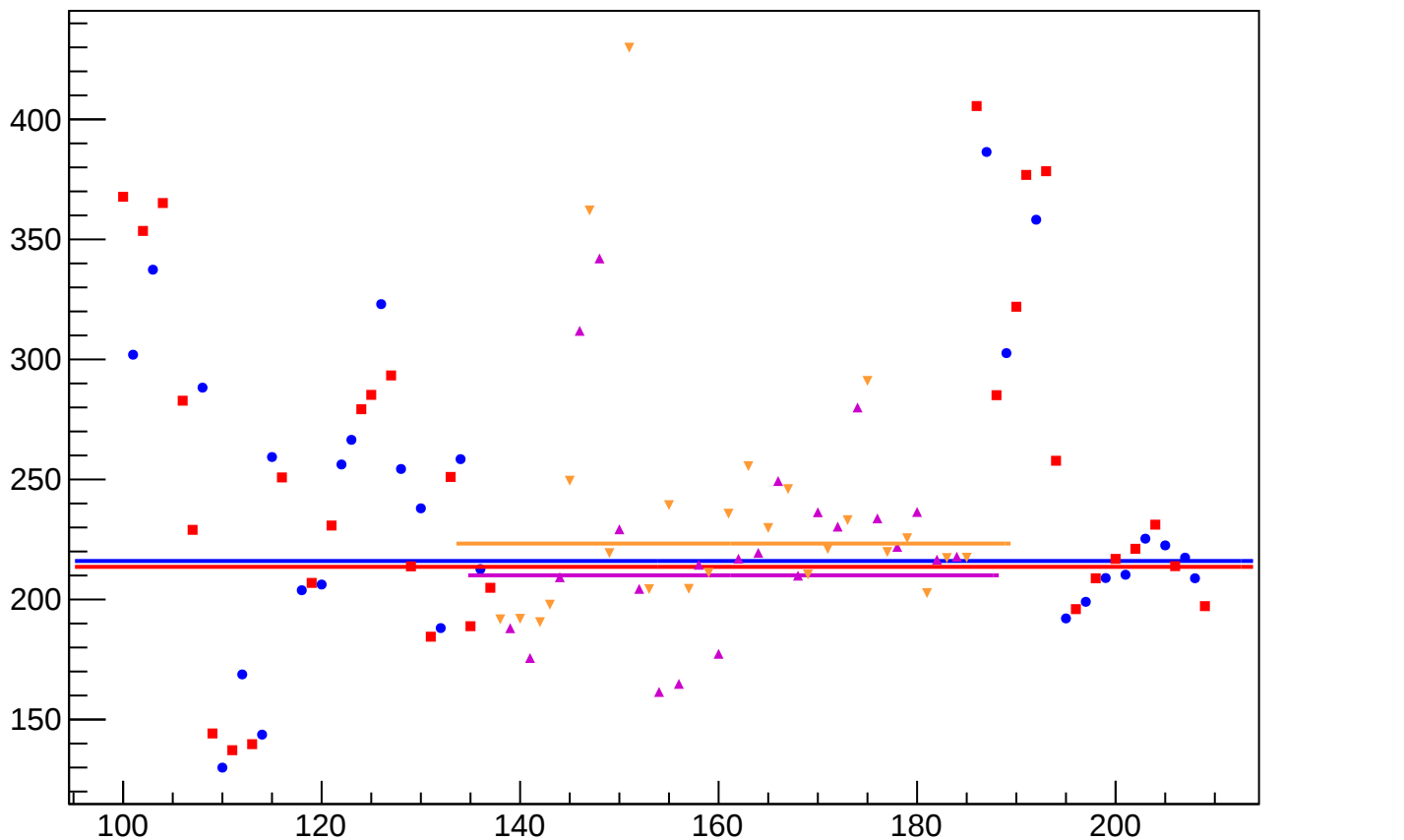
Left In: -300.516 ± 51.984 χ^2/NDF : 1208.6/22

+ sign 507.616 ± 39.426 χ^2/NDF : 8356.5/52

All: 215.727 ± 27.421 χ^2/NDF : 18248.1/107

- sign -57.759 ± 38.163 χ^2/NDF : 9785.5/54

asym_bpm0l05WS_rms vs Slug



Right In: 216.039 $\pm$ 0.041 χ^2 /NDF: 1346894.4/27

Left Out: 223.296 $\pm$ 0.038 χ^2 /NDF: 922768.4/24

Right Out: 213.596 $\pm$ 0.040 χ^2 /NDF: 2104077.3/31

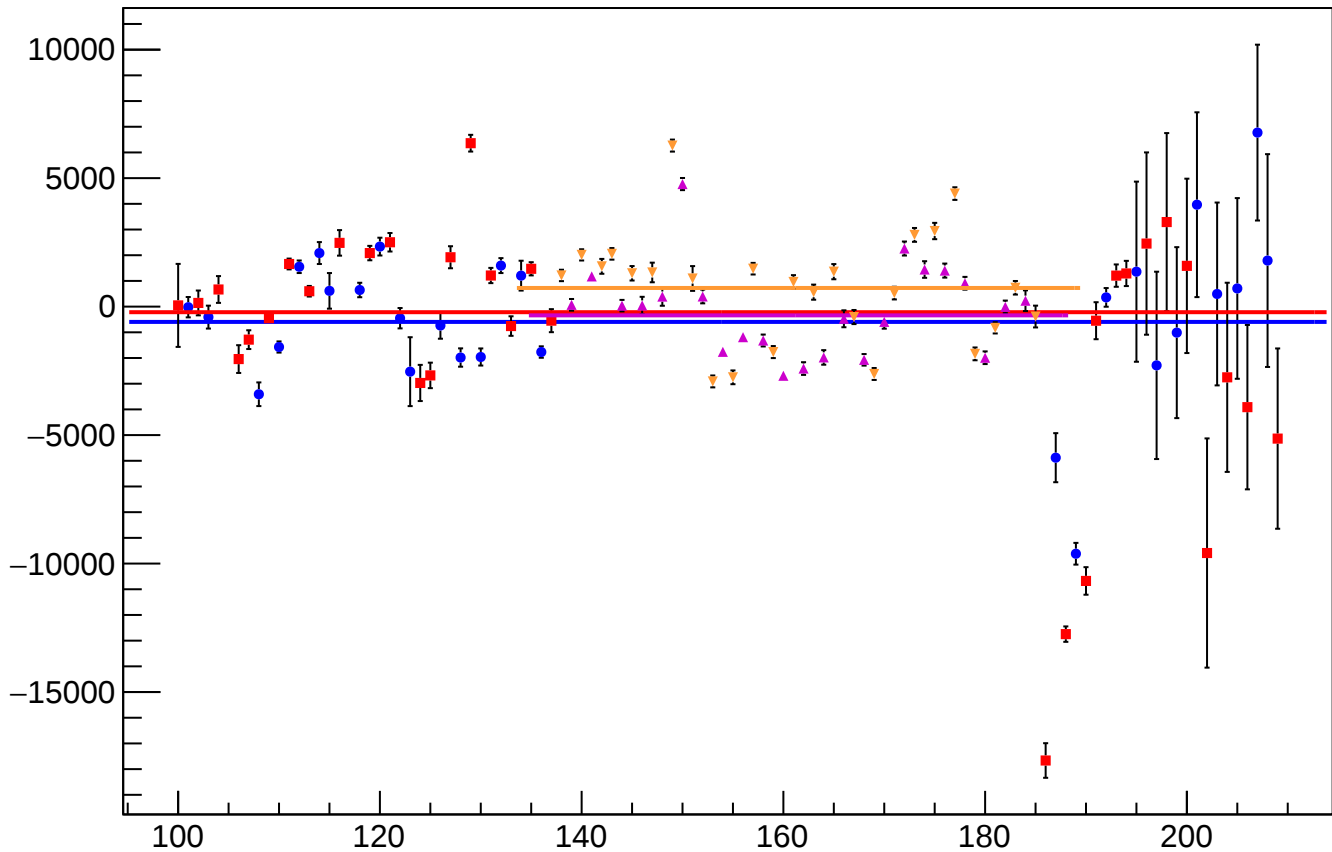
Left In: 210.080 $\pm$ 0.037 χ^2 /NDF: 1015274.5/22

+ sign 220.018 $\pm$ 0.028 χ^2 /NDF: 2286444.3/52

All: 215.724 $\pm$ 0.019 χ^2 /NDF: 5455967.7/107

- sign 211.701 $\pm$ 0.027 χ^2 /NDF: 3123570.0/54

asym_bpm0l06WS_mean vs Slug



Right In: -595.215 ± 79.044 χ^2/NDF : 898.9/27

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: -217.197 ± 69.965 χ^2/NDF : 3641.7/31

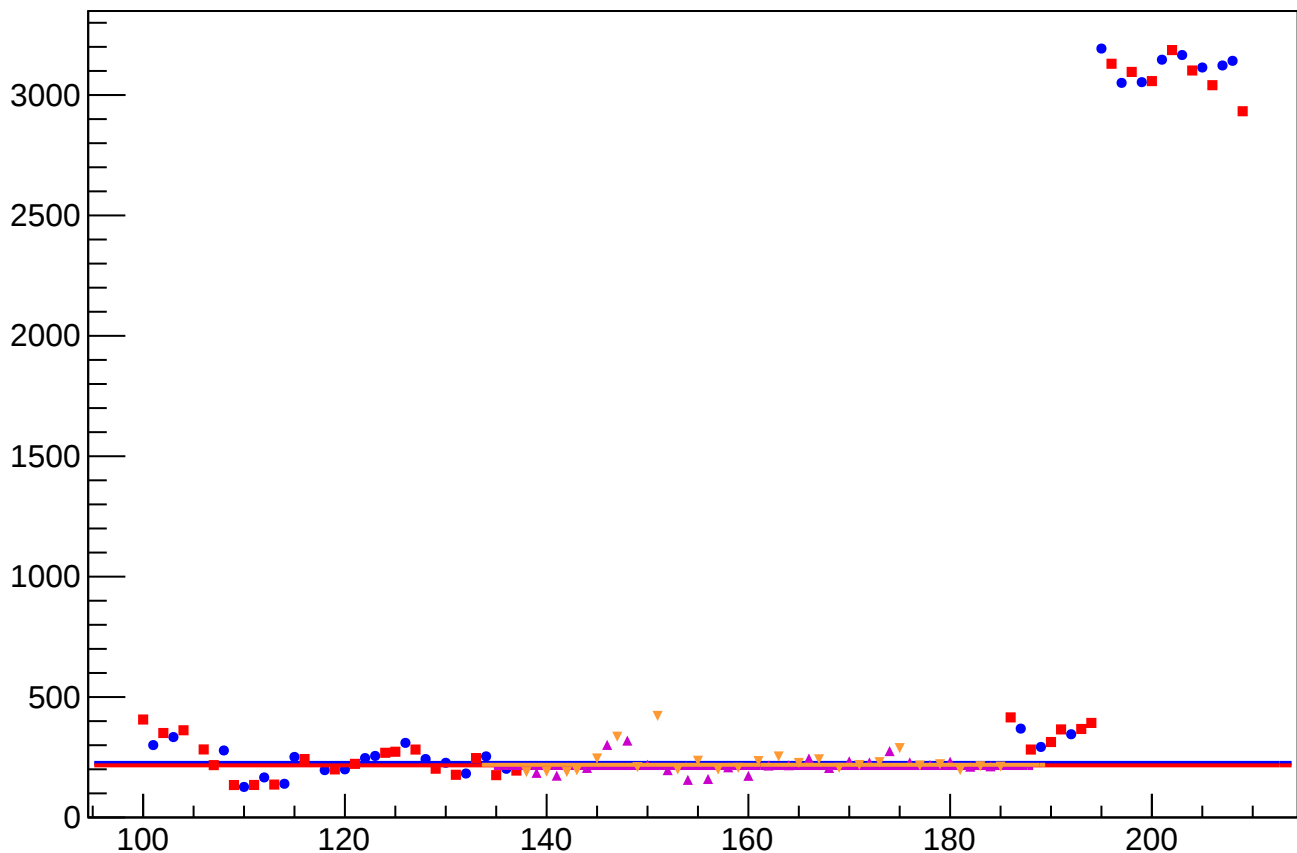
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 325.126 ± 43.534 χ^2/NDF : 3006.3/52

All: -4.248 ± 29.889 χ^2/NDF : 7960.1/107

- sign -297.934 ± 41.108 χ^2/NDF : 4845.6/54

asym_bpm0l06WS_rms vs Slug



Right In: 226.566 $\pm$ 0.056 χ^2 /NDF: 11852774.2/27

Left Out: 218.768 $\pm$ 0.037 χ^2 /NDF: 896914.5/24

Right Out: 216.308 $\pm$ 0.049 χ^2 /NDF: 11452095.7/31

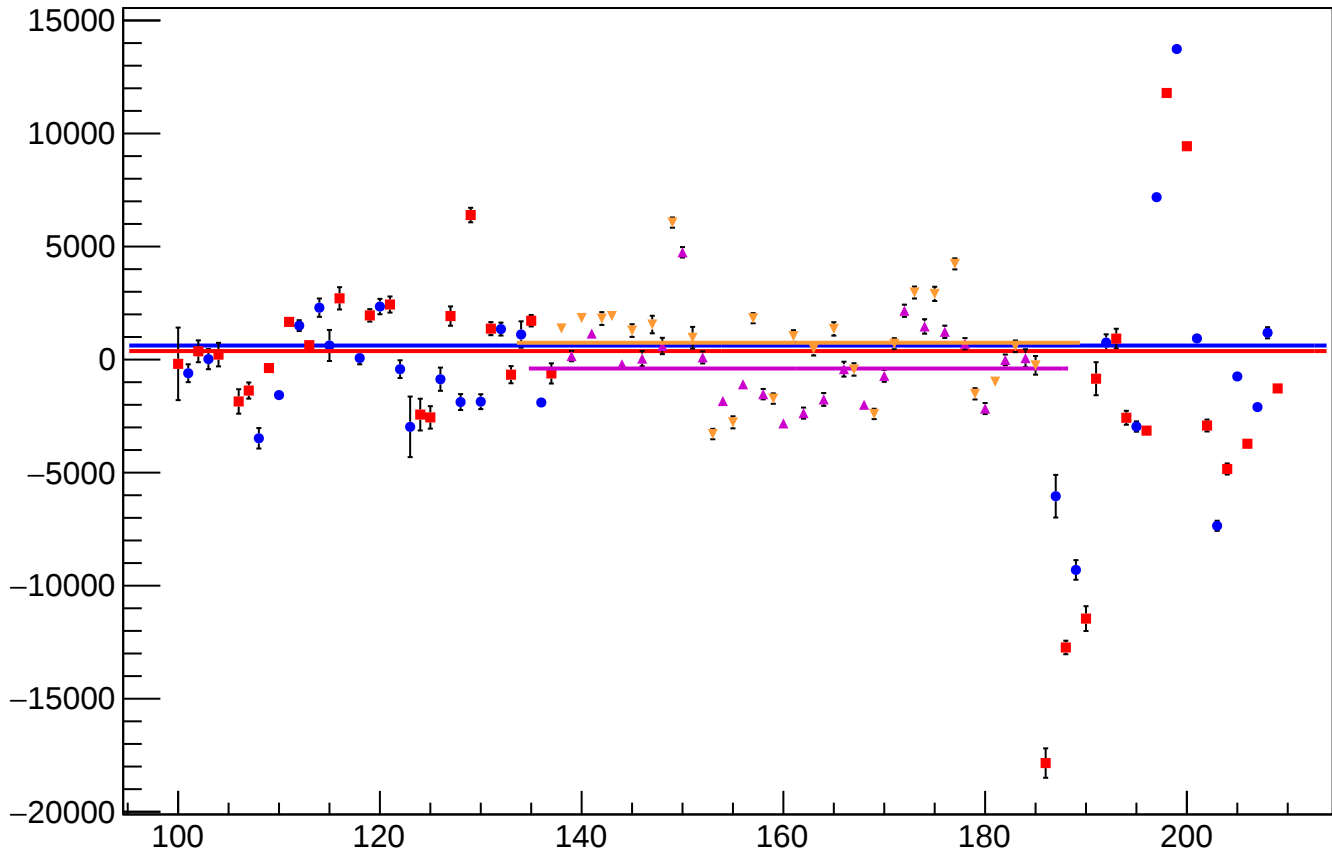
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 221.134 $\pm$ 0.031 χ^2 /NDF: 12763248.6/52

All: 214.755 $\pm$ 0.021 χ^2 /NDF: 25326462.3/10

- sign 209.067 $\pm$ 0.029 χ^2 /NDF: 12481980.5/54

asym_bpm0l07WS_mean vs Slug



Right In: 622.048 ± 54.615 χ^2/NDF : 8452.9/27

Left Out: 746.405 ± 51.592 χ^2/NDF : 1942.1/24

Right Out: 376.572 ± 52.359 χ^2/NDF : 10368.9/31

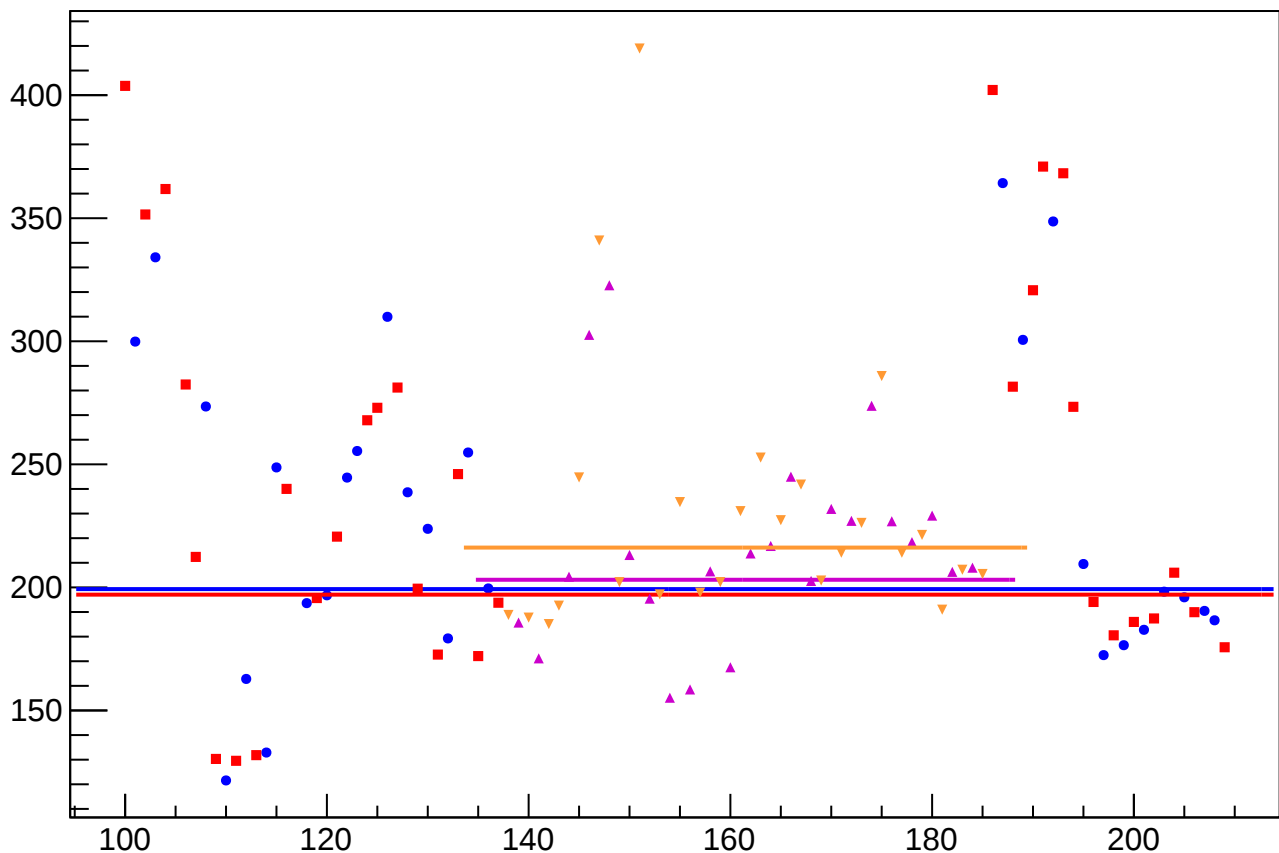
Left In: -394.379 ± 50.311 χ^2/NDF : 1236.4/22

+ sign 687.764 ± 37.504 χ^2/NDF : 10397.7/52

All: 319.913 ± 26.075 χ^2/NDF : 22302.0/107

- sign -24.277 ± 36.278 χ^2/NDF : 11718.1/54

asym_bpm0l07WS_rms vs Slug



Right In: 199.310+/-0.039 χ^2/NDF : 1529523.9/27

Left Out: 216.178+/-0.036 χ^2/NDF : 946050.8/24

Right Out: 197.059+/-0.037 χ^2/NDF : 2464280.6/31

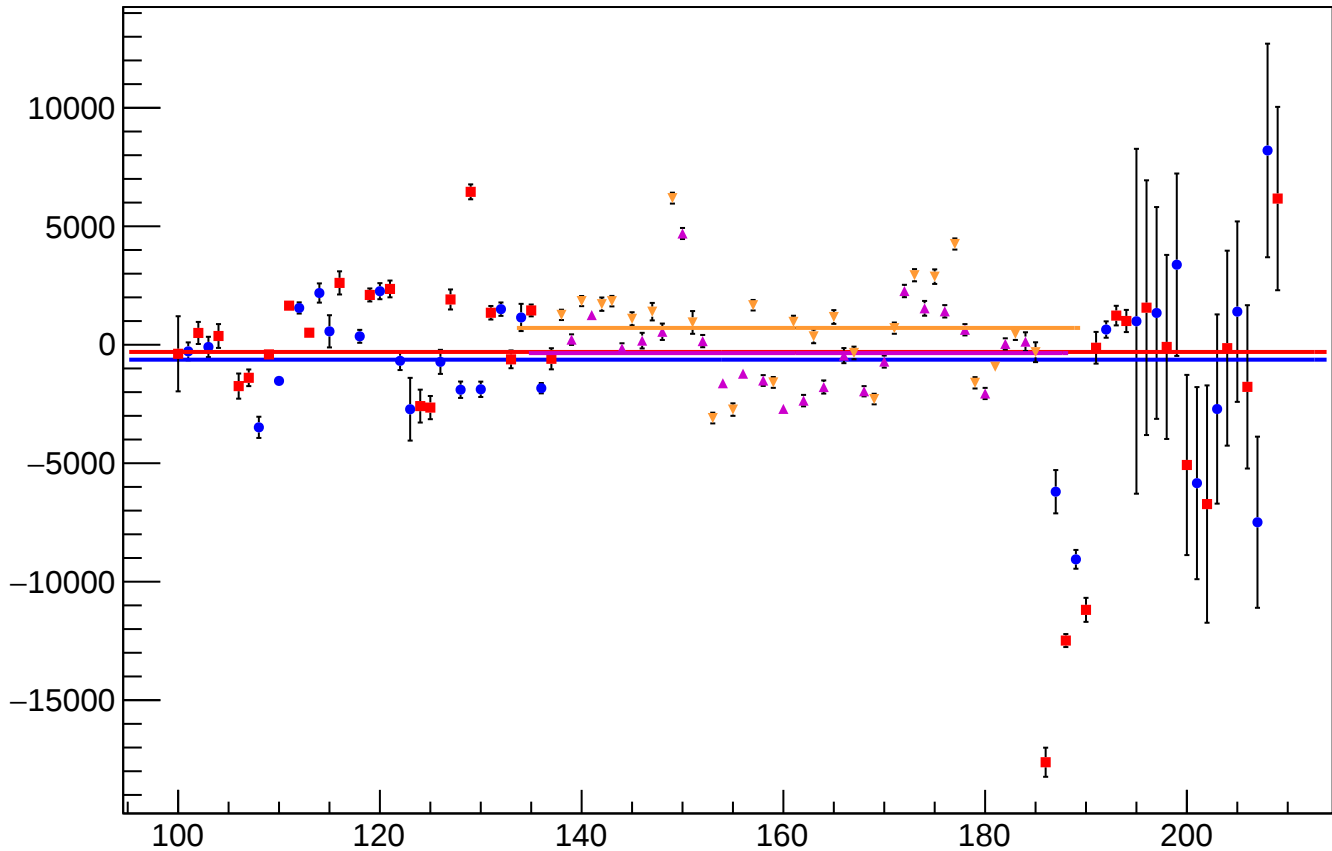
Left In: 203.101+/-0.036 χ^2/NDF : 1038013.0/22

+ sign 208.224+/-0.027 χ^2/NDF : 2576391.5/52

All: 204.079+/-0.018 χ^2/NDF : 6139821.1/107

- sign 200.200+/-0.026 χ^2/NDF : 3516141.0/54

asym_bpm0l08WS_mean vs Slug



Right In: -629.893 ± 76.418 $\chi^2/\text{NDF}: 925.7/27$

Left Out: 710.238 ± 50.750 $\chi^2/\text{NDF}: 1932.3/24$

Right Out: -303.616 ± 67.109 $\chi^2/\text{NDF}: 4167.5/31$

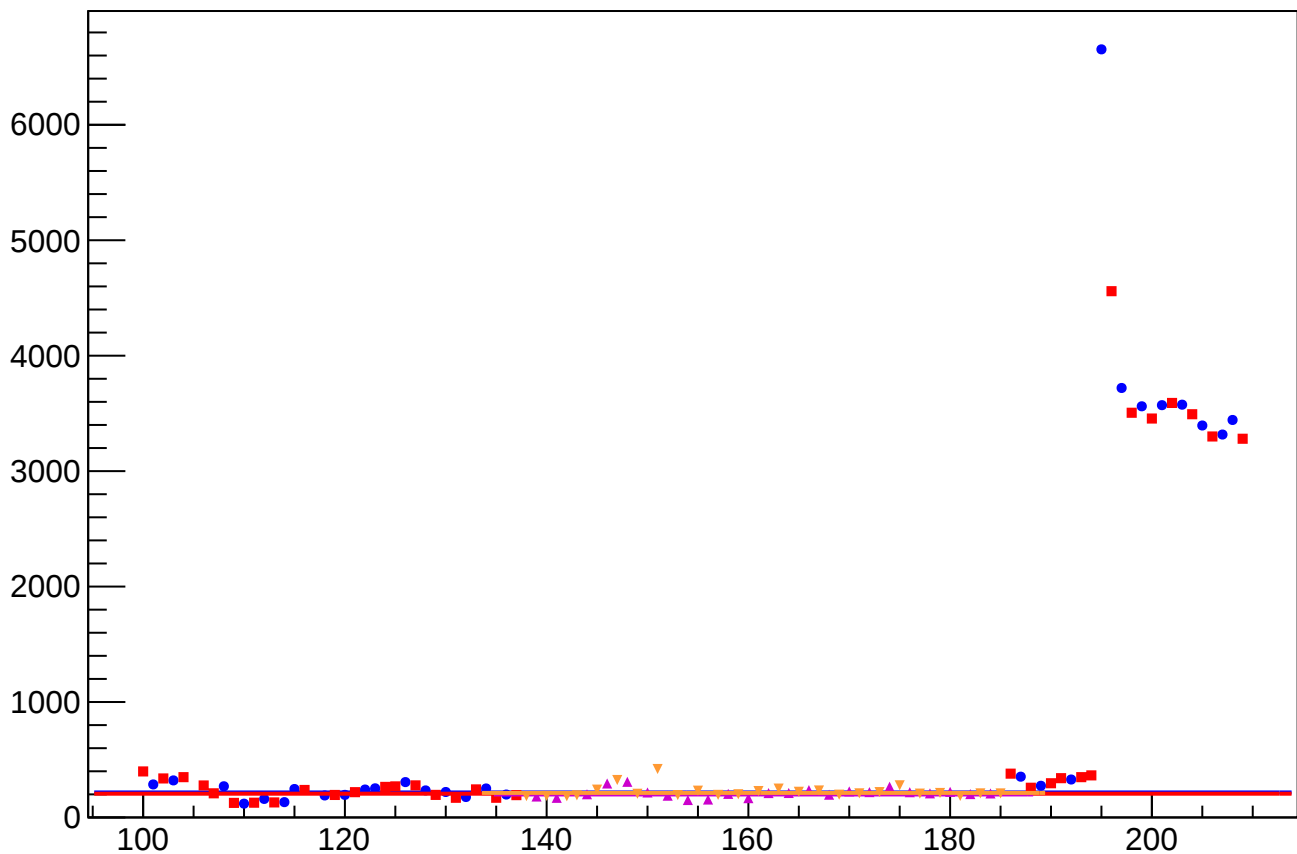
Left In: -352.432 ± 49.316 $\chi^2/\text{NDF}: 1233.1/22$

+ sign 300.075 ± 42.277 $\chi^2/\text{NDF}: 3071.4/52$

All: -37.255 ± 28.956 $\chi^2/\text{NDF}: 8592.2/107$

- sign -335.314 ± 39.740 $\chi^2/\text{NDF}: 5400.9/54$

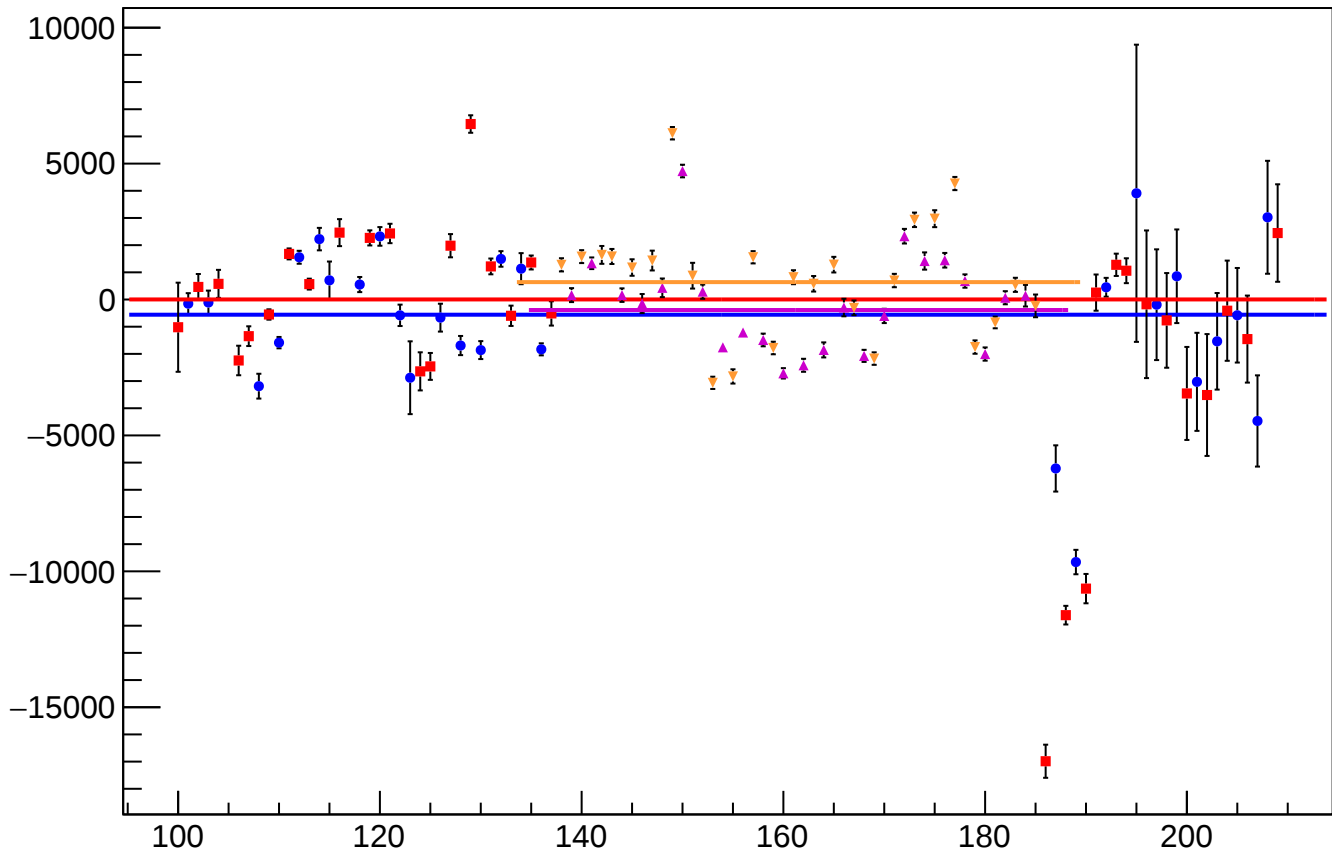
asym_bpm0l08WS_rms vs Slug



Right In: 216.684 $\pm$ 0.054 χ^2 /NDF: 12304223.9/27
 Left Out: 212.718 $\pm$ 0.036 χ^2 /NDF: 916225.9/24
 Right Out: 205.751 $\pm$ 0.047 χ^2 /NDF: 11706632.9/31
 Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

+ sign 213.932 $\pm$ 0.030 χ^2 /NDF: 13224187.7/52
 All: 207.310 $\pm$ 0.020 χ^2 /NDF: 26021767.8/10
 - sign 201.459 $\pm$ 0.028 χ^2 /NDF: 12705159.3/54

asym_bpm0l09WS_mean vs Slug



Right In: -558.936 ± 77.371 χ^2/NDF : 870.9/27

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: 2.702 ± 68.779 χ^2/NDF : 3105.4/31

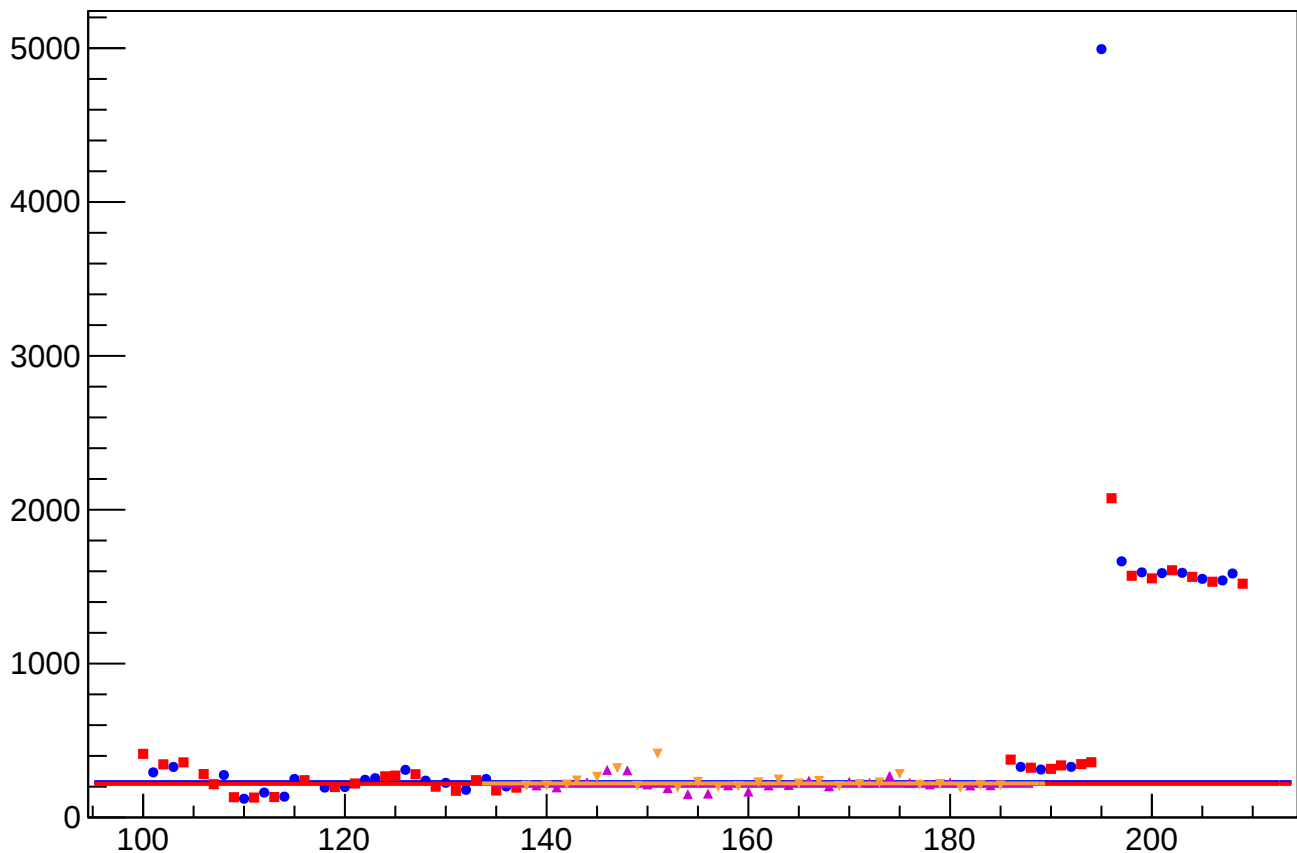
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 259.953 ± 43.561 χ^2/NDF : 2894.2/52

All: -9.770 ± 29.841 χ^2/NDF : 7330.5/107

- sign -248.284 ± 40.963 χ^2/NDF : 4364.1/54

asym_bpm0l09WS_rms vs Slug



Right In: 229.559 $\pm$ 0.055 χ^2 /NDF: 10729817.6/27

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

Right Out: 218.101 $\pm$ 0.049 χ^2 /NDF: 10157427.9/31

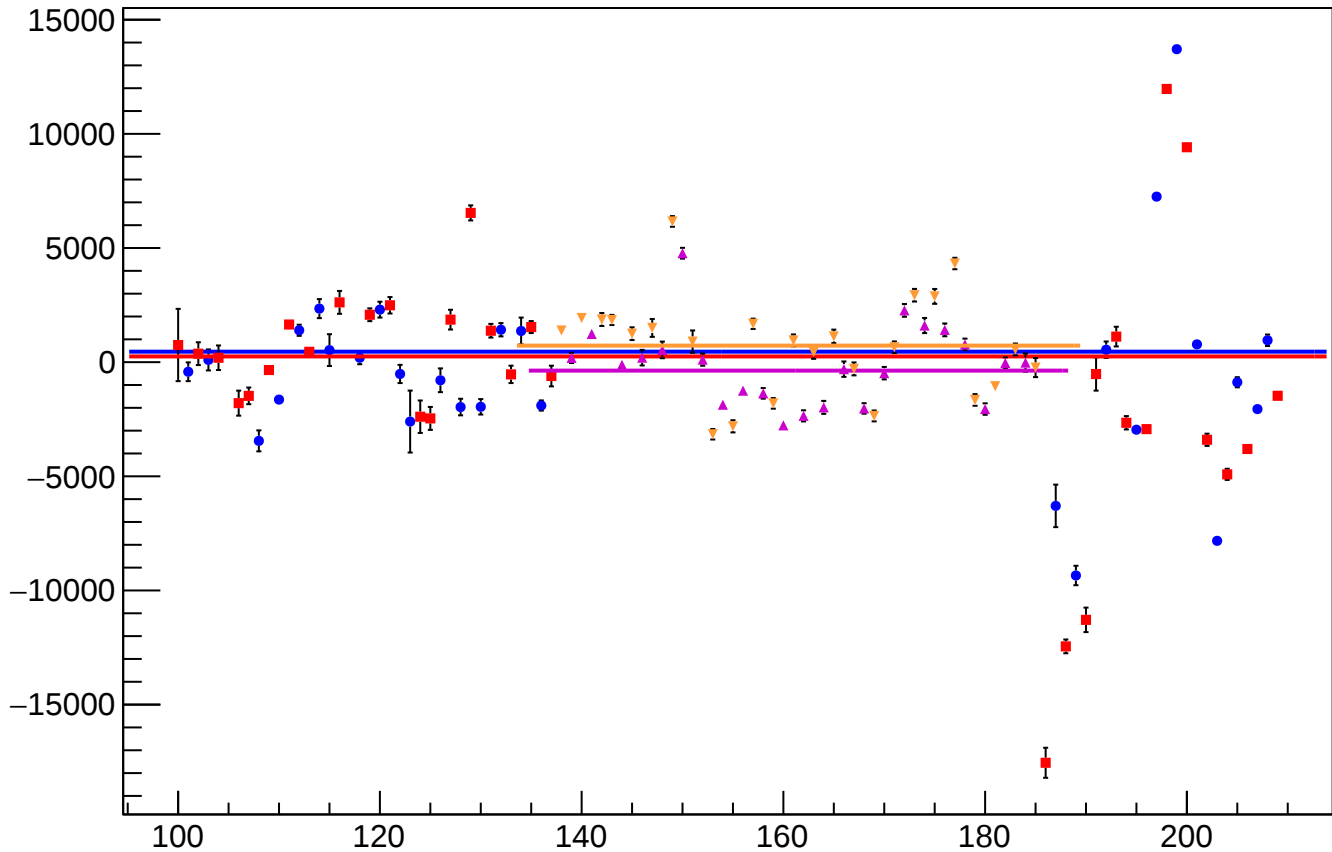
Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 223.985 $\pm$ 0.031 χ^2 /NDF: 11522851.2/52

All: 216.651 $\pm$ 0.021 χ^2 /NDF: 22823269.2/10

- sign 210.165 $\pm$ 0.029 χ^2 /NDF: 11193587.6/54

asym_bpm0l10WS_mean vs Slug



Right In: 459.718 ± 55.119 χ^2/NDF : 8441.0/27

Left Out: 725.250 ± 52.307 χ^2/NDF : 1883.1/24

Right Out: 250.517 ± 53.175 χ^2/NDF : 10045.6/31

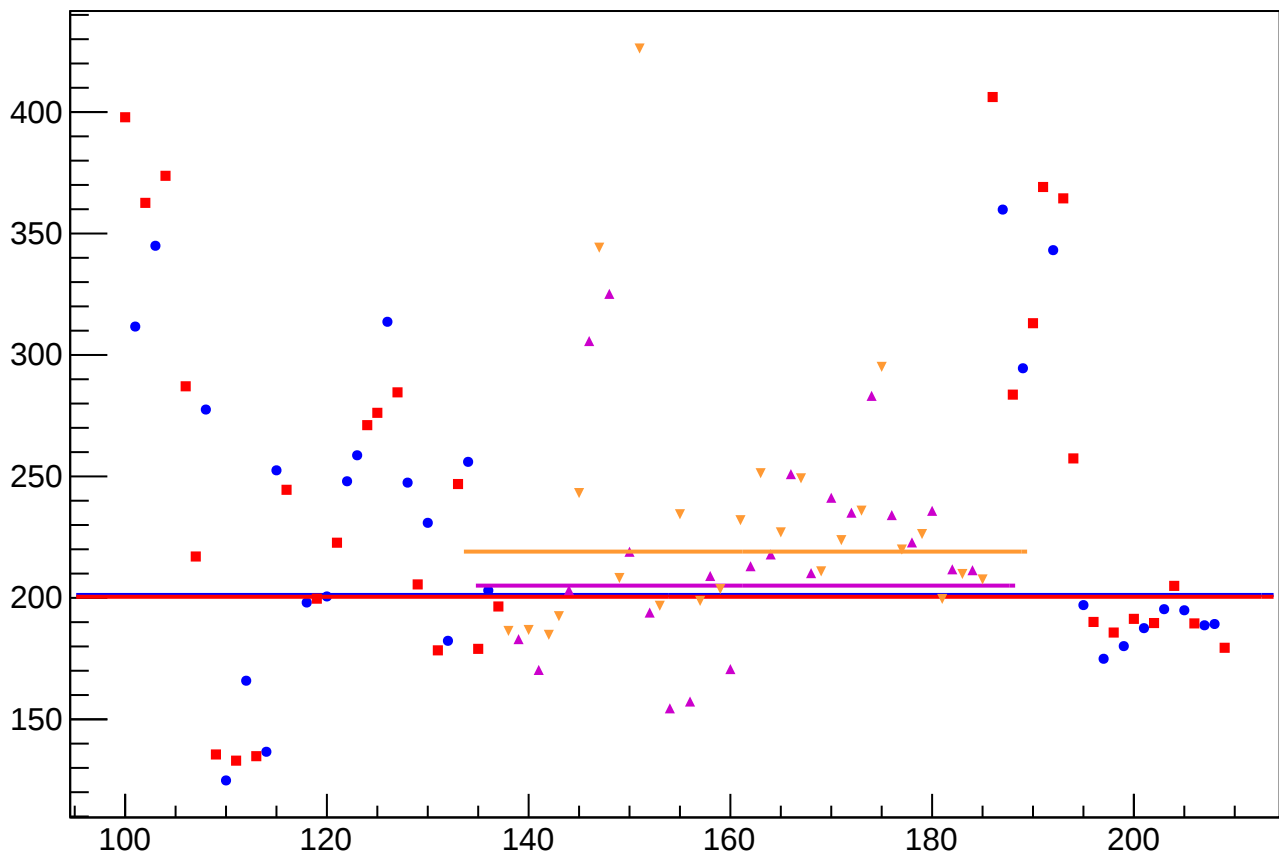
Left In: -370.408 ± 50.884 χ^2/NDF : 1223.2/22

+ sign 599.430 ± 37.942 χ^2/NDF : 10336.3/52

All: 252.301 ± 26.403 χ^2/NDF : 21838.6/107

- sign -73.608 ± 36.764 χ^2/NDF : 11340.0/54

asym_bpm0l10WS_rms vs Slug



Right In: 201.208 ± 0.039 χ^2/NDF : 1488308.7/27

Left Out: 219.049 ± 0.037 χ^2/NDF : 975564.4/24

Right Out: 200.450 ± 0.038 χ^2/NDF : 2315556.8/31

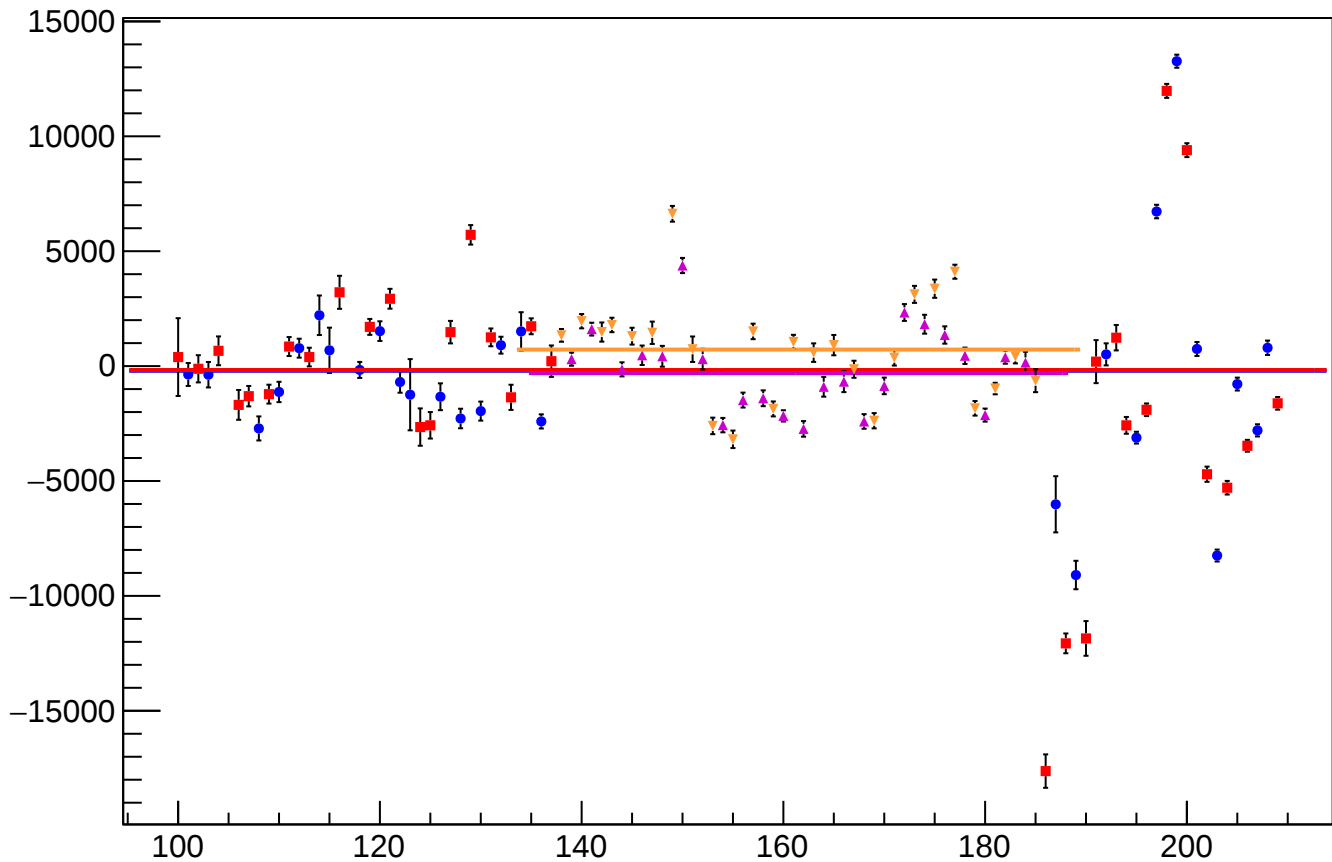
Left In: 205.046 ± 0.036 χ^2/NDF : 1144197.1/22

+ sign 210.595 ± 0.027 χ^2/NDF : 2574114.6/52

All: 206.600 ± 0.019 χ^2/NDF : 6084659.8/107

- sign 202.849 ± 0.026 χ^2/NDF : 3467554.8/54

asym_bpm0r03WS_mean vs Slug



Right In: -202.599 ± 73.324 $\chi^2/\text{NDF}: 4399.8/27$

Left Out: 718.705 ± 69.601 $\chi^2/\text{NDF}: 1018.5/24$

Right Out: -170.571 ± 73.314 $\chi^2/\text{NDF}: 5352.1/31$

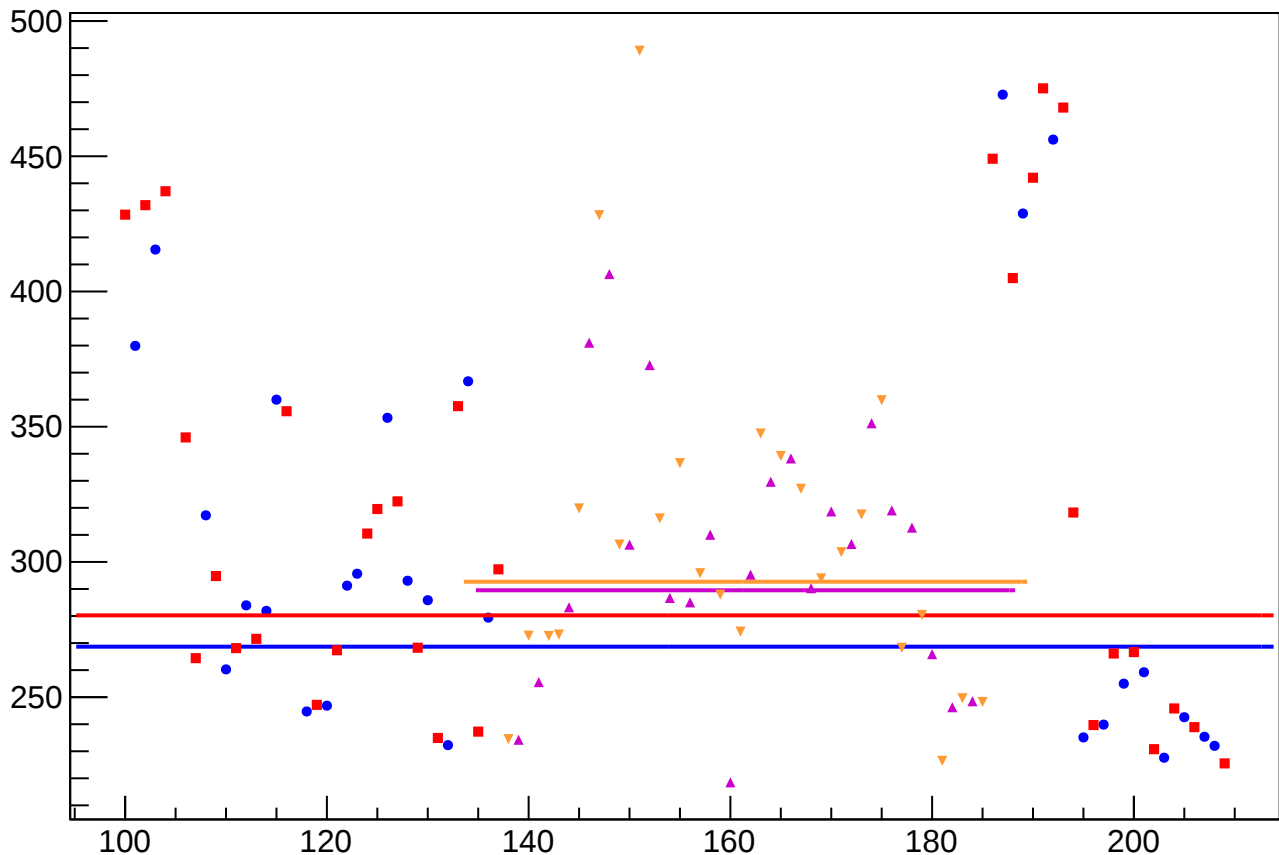
Left In: -304.161 ± 70.958 $\chi^2/\text{NDF}: 643.5/22$

+ sign 282.036 ± 50.480 $\chi^2/\text{NDF}: 5501.4/52$

All: 23.853 ± 35.873 $\chi^2/\text{NDF}: 11551.5/107$

- sign -239.547 ± 50.987 $\chi^2/\text{NDF}: 5997.3/54$

asym_bpm0r03WS_rms vs Slug



Right In: 268.672 $\pm$ 0.052 χ^2 /NDF: 1080317.0/27

Left Out: 292.686 $\pm$ 0.049 χ^2 /NDF: 925193.6/24

Right Out: 280.251 $\pm$ 0.052 χ^2 /NDF: 1429138.3/31

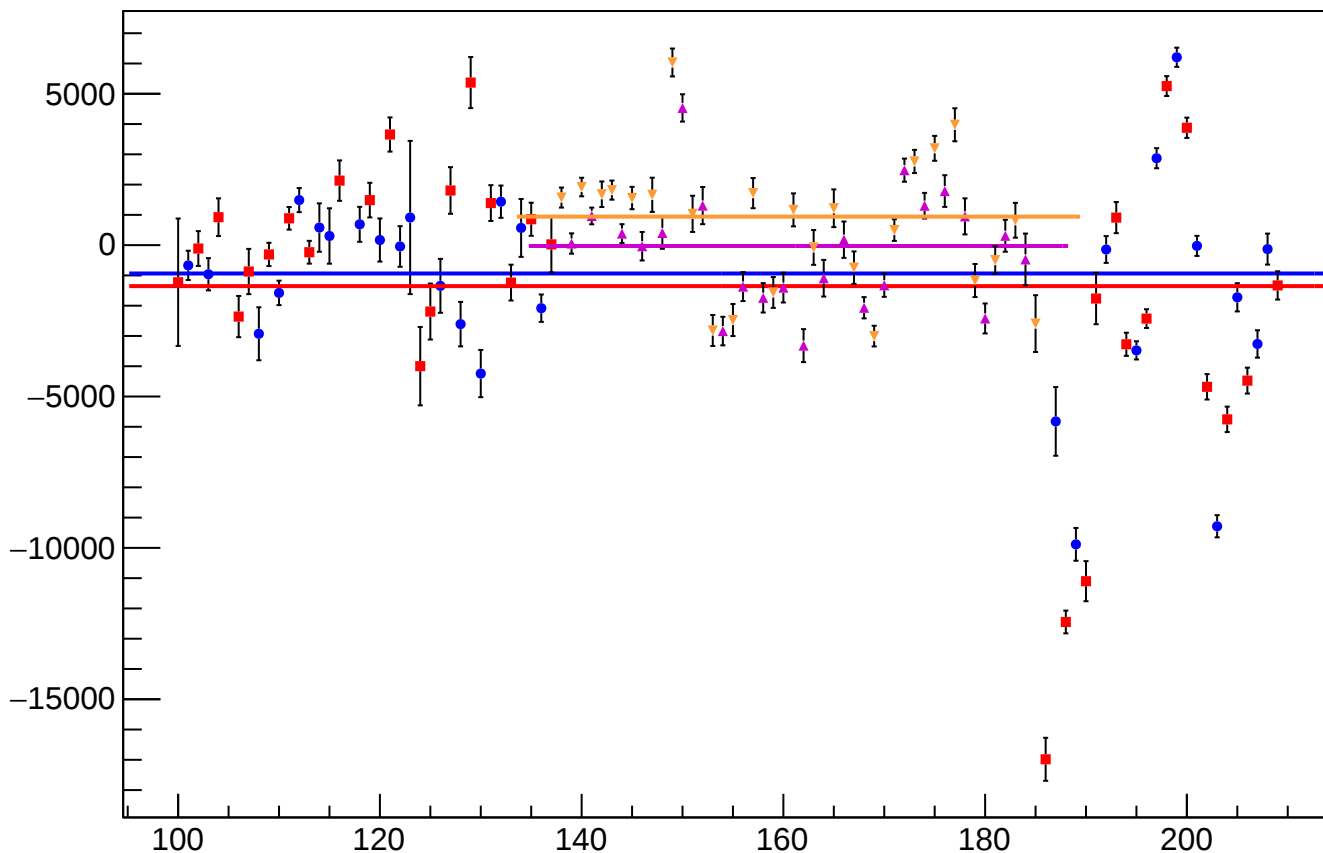
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 281.304 $\pm$ 0.036 χ^2 /NDF: 2118357.9/52

All: 283.152 $\pm$ 0.025 χ^2 /NDF: 4347325.1/107

- sign 285.038 $\pm$ 0.036 χ^2 /NDF: 2223550.5/54

asym_bpm0r05WS_mean vs Slug



Right In: -936.125 ± 93.175 $\chi^2/\text{NDF}: 1680.3/27$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -1353.417 ± 88.507 $\chi^2/\text{NDF}: 2833.7/31$

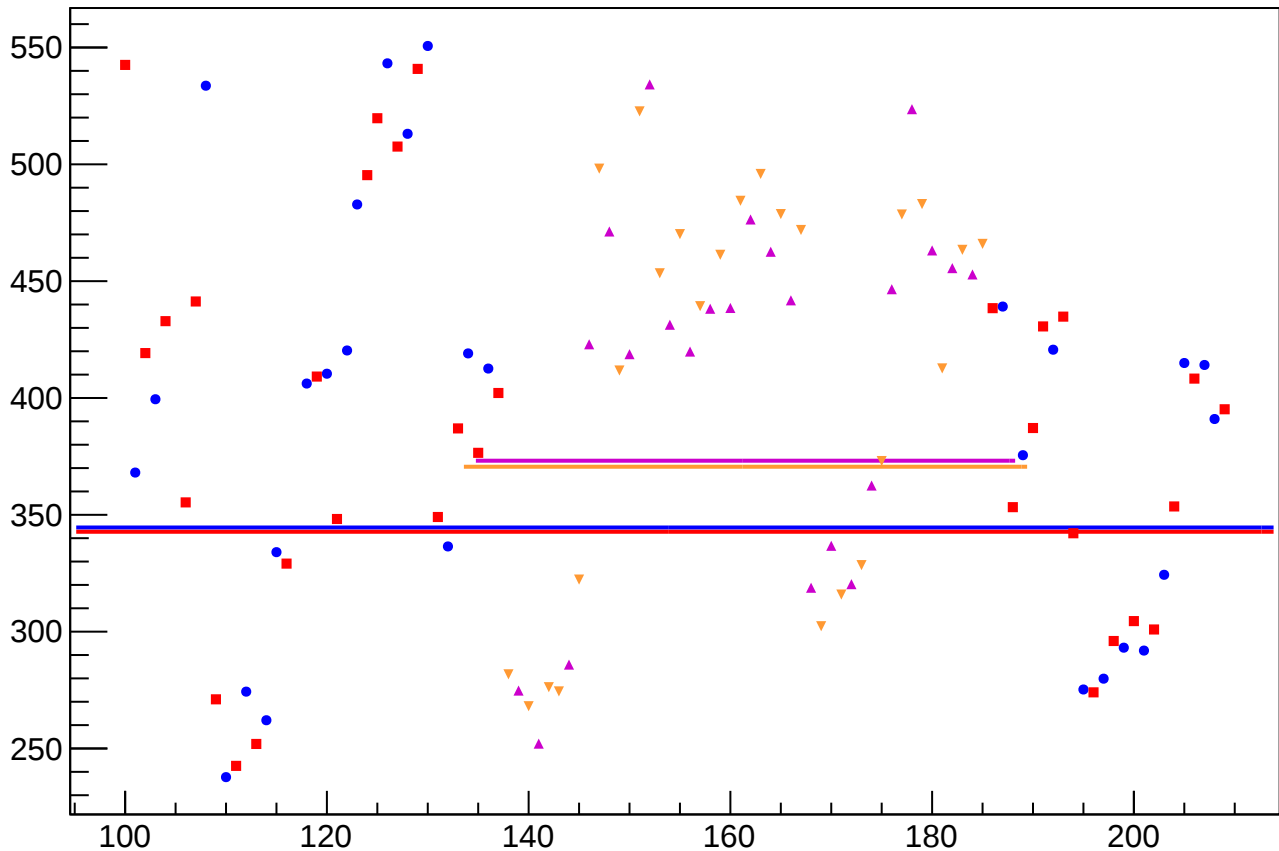
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign 44.496 ± 64.403 $\chi^2/\text{NDF}: 2437.0/52$

All: -340.090 ± 45.358 $\chi^2/\text{NDF}: 5811.4/107$

- sign -718.611 ± 63.893 $\chi^2/\text{NDF}: 3303.7/54$

asym_bpm0r05WS_rms vs Slug



Right In: 344.575+/-0.066 χ^2/NDF : 1297712.5/27

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 342.752+/-0.063 χ^2/NDF : 1209734.4/31

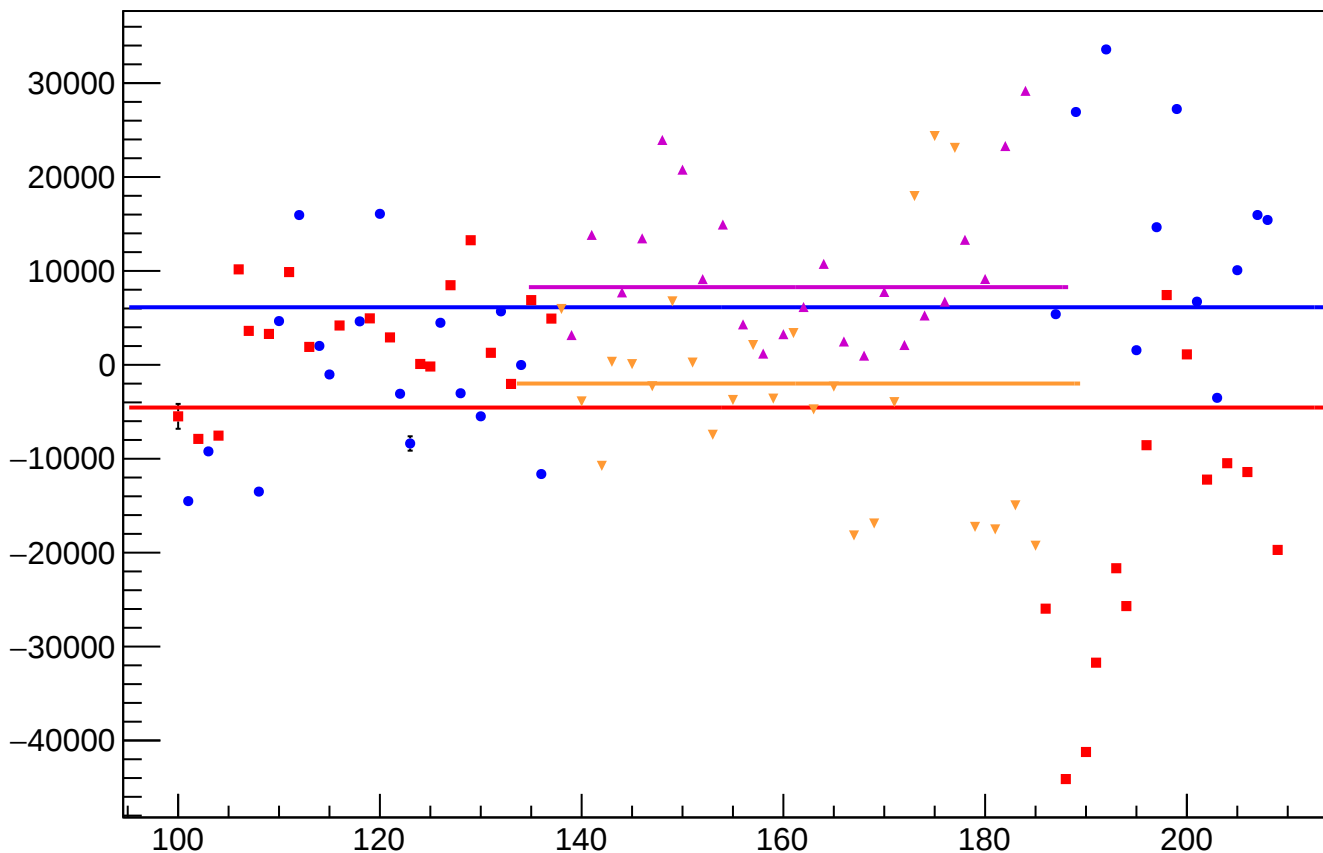
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 358.156+/-0.046 χ^2/NDF : 3257188.7/52

All: 357.731+/-0.032 χ^2/NDF : 6216391.9/107

- sign 357.314+/-0.045 χ^2/NDF : 2959030.9/54

asym_bpm0i02WS_mean vs Slug



Right In: 6131.702+/-42.020 χ^2/NDF : 90632.2/27

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -4547.175+/-39.845 χ^2/NDF : 139268.0/31

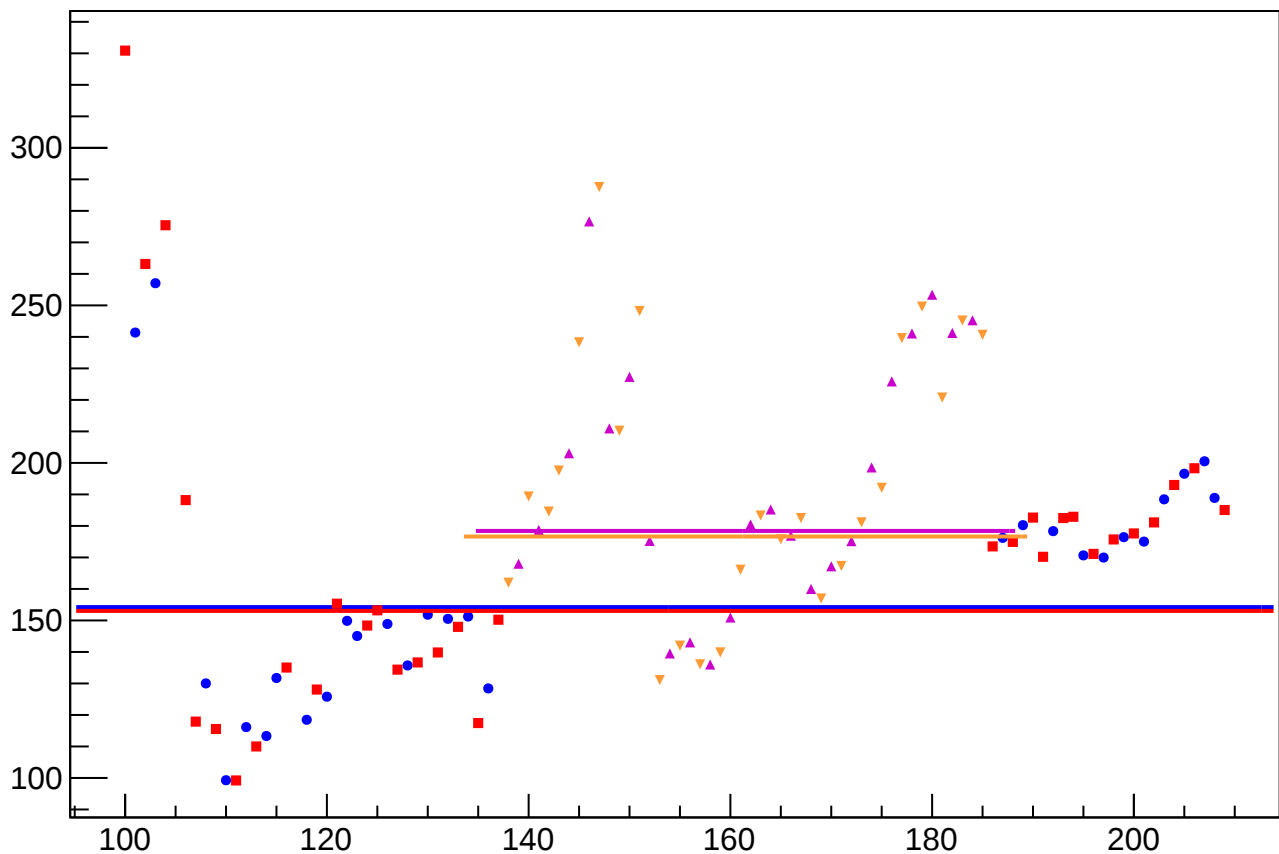
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 2109.106+/-29.855 χ^2/NDF : 172906.0/52

All: 1643.960+/-21.029 χ^2/NDF : 381822.6/100

- sign 1185.958+/-29.625 χ^2/NDF : 208434.9/54

asym_bpm0i02WS_rms vs Slug



Right In: 154.232 $\pm$ 0.030 χ^2 /NDF: 1290550.5/27

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 153.031 $\pm$ 0.028 χ^2 /NDF: 1575004.8/31

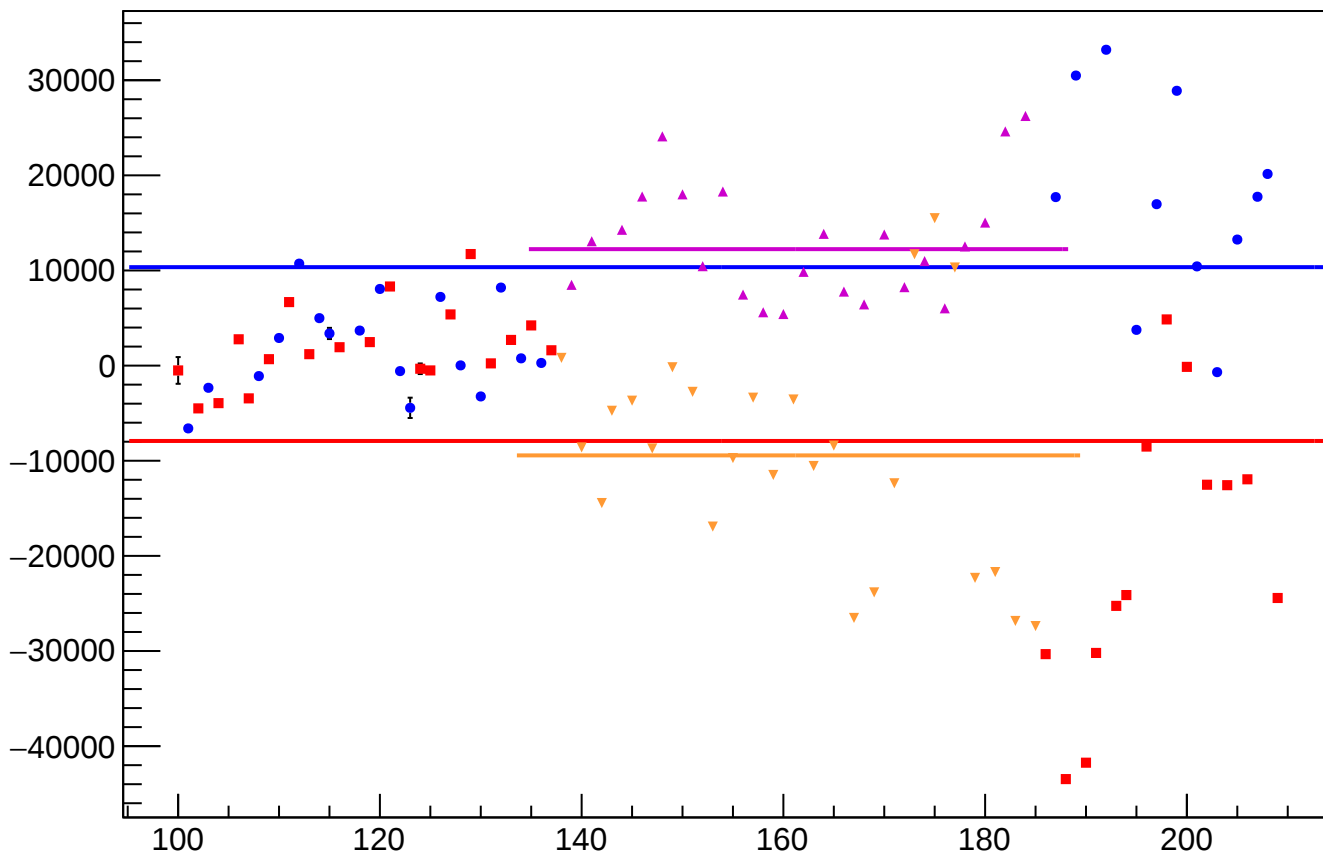
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 165.328 $\pm$ 0.021 χ^2 /NDF: 3123259.6/52

All: 164.851 $\pm$ 0.015 χ^2 /NDF: 6355946.8/107

- sign 164.382 $\pm$ 0.021 χ^2 /NDF: 3231674.3/54

asym_bpm0i02aWS_mean vs Slug



Right In: 10349.784+/-47.160 χ^2/NDF : 52244.8/27

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -7920.980+/-44.590 χ^2/NDF : 110584.1/31

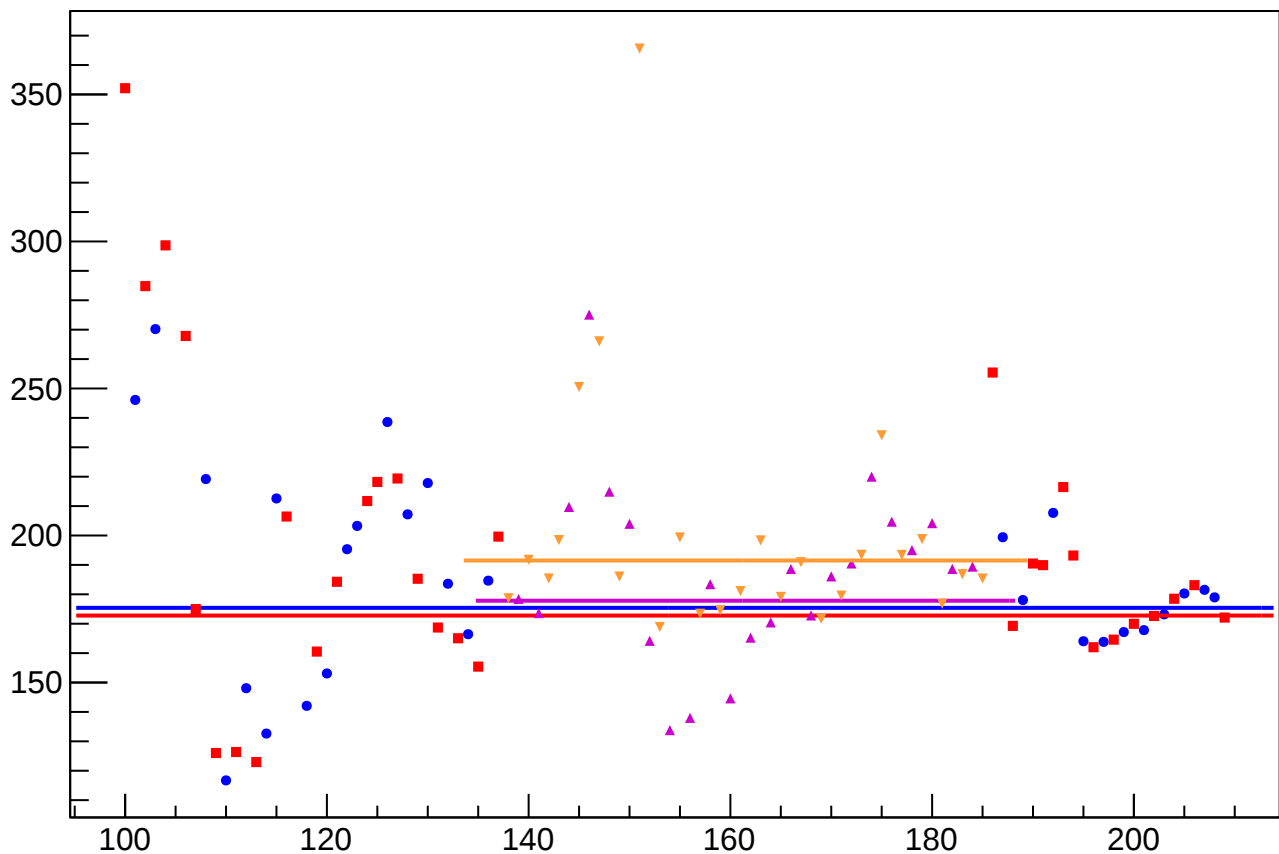
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign 109.340+/-32.757 χ^2/NDF : 205574.2/52

All: 1258.526+/-22.630 χ^2/NDF : 438857.3/10

- sign 2307.695+/-31.299 χ^2/NDF : 230928.7/54

asym_bpm0i02aWS_rms vs Slug



Right In: 175.401 $\pm$ 0.033 χ^2 /NDF: 762306.7/27

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 172.773 $\pm$ 0.032 χ^2 /NDF: 1131674.4/31

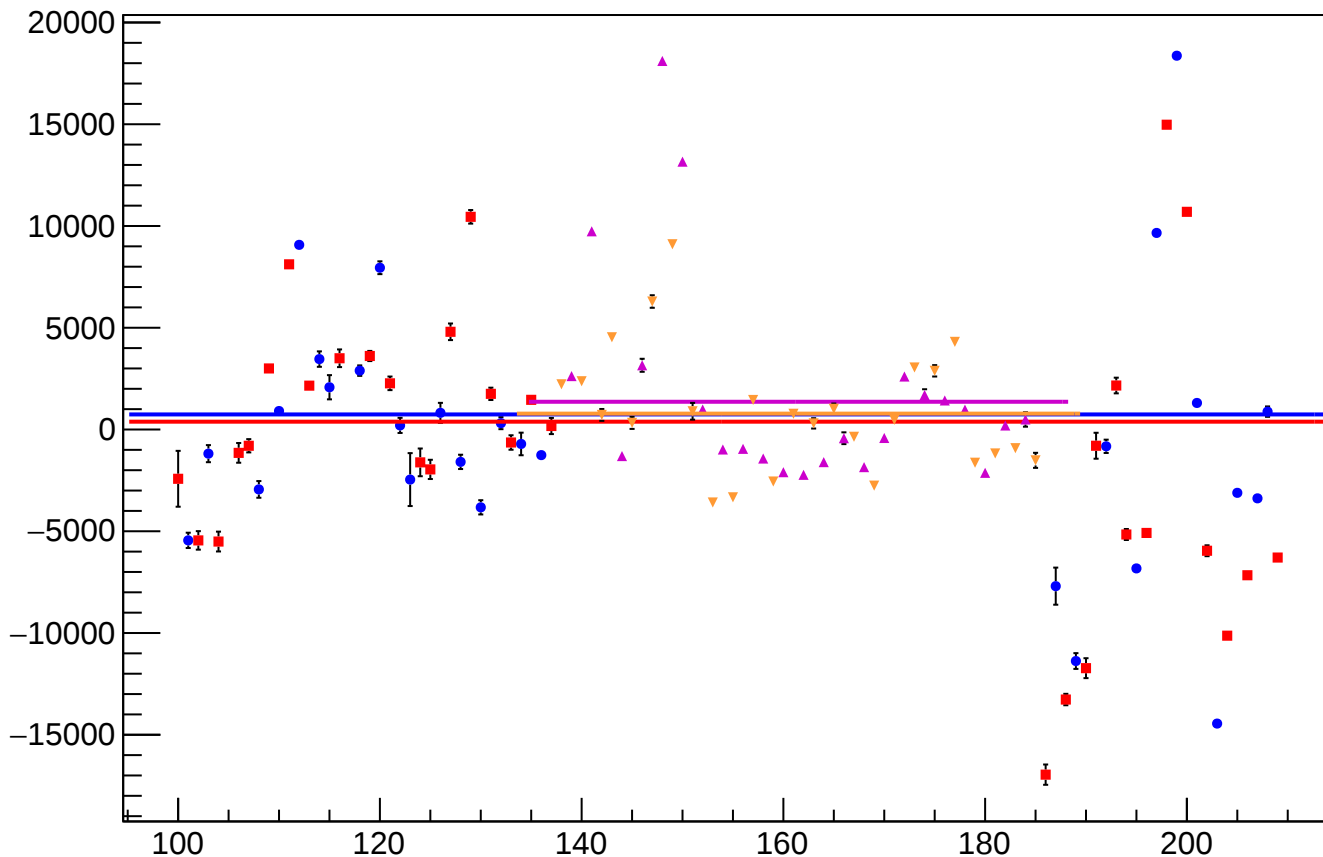
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 183.736 $\pm$ 0.023 χ^2 /NDF: 1610281.0/52

All: 179.344 $\pm$ 0.016 χ^2 /NDF: 3686238.6/107

- sign 175.334 $\pm$ 0.022 χ^2 /NDF: 2007174.0/54

asym_bpm0i05WS_mean vs Slug



Right In: 740.666 $\pm$ 52.968 χ^2 /NDF: 20338.2/27

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: 384.528 $\pm$ 50.313 χ^2 /NDF: 21349.8/31

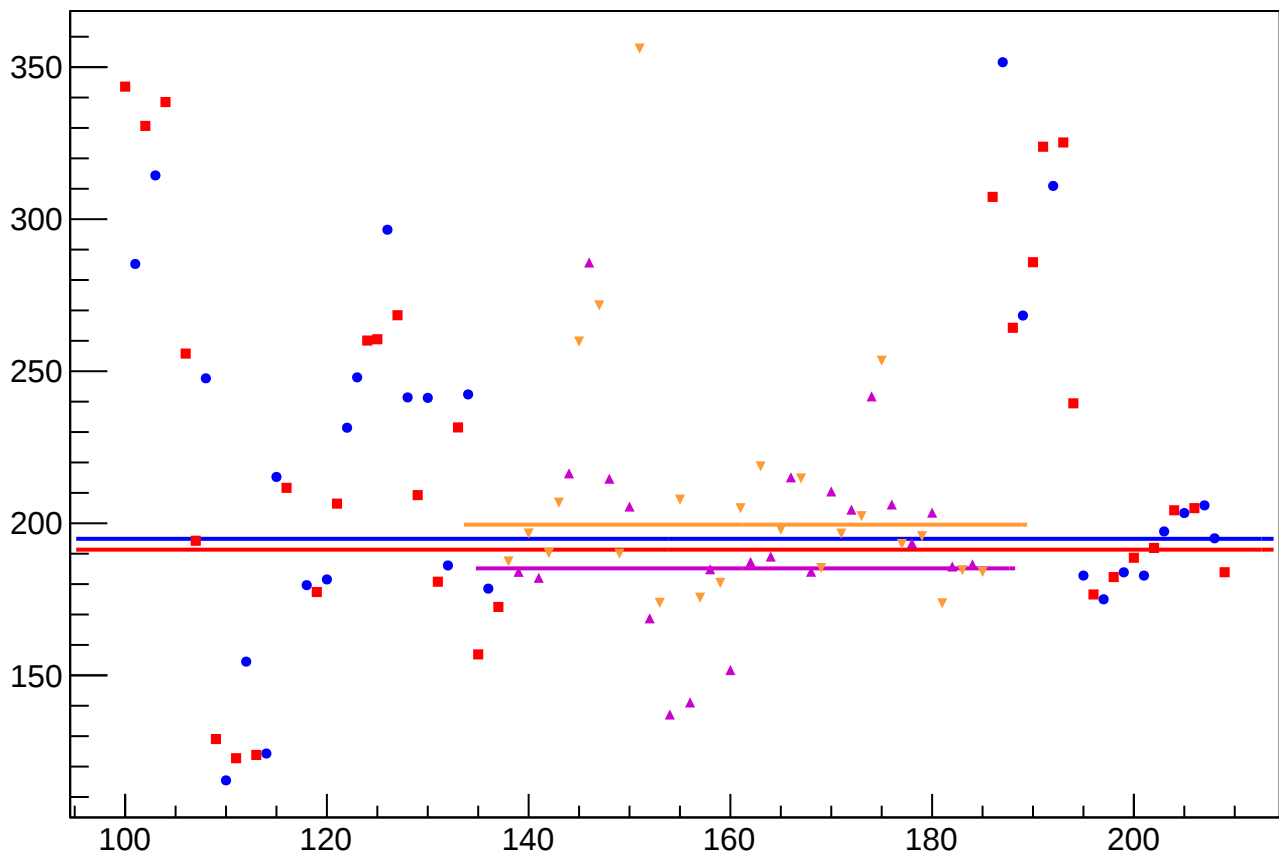
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

+ sign 762.475 $\pm$ 35.346 χ^2 /NDF: 24599.2/52

All: 844.363 $\pm$ 24.455 χ^2 /NDF: 57799.0/107

- sign 919.564 $\pm$ 33.872 χ^2 /NDF: 33189.4/54

asym_bpm0i05WS_rms vs Slug



Right In: 194.893 $\pm$ 0.037 χ^2 /NDF: 1415382.7/27

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 191.329 $\pm$ 0.036 χ^2 /NDF: 2144713.7/31

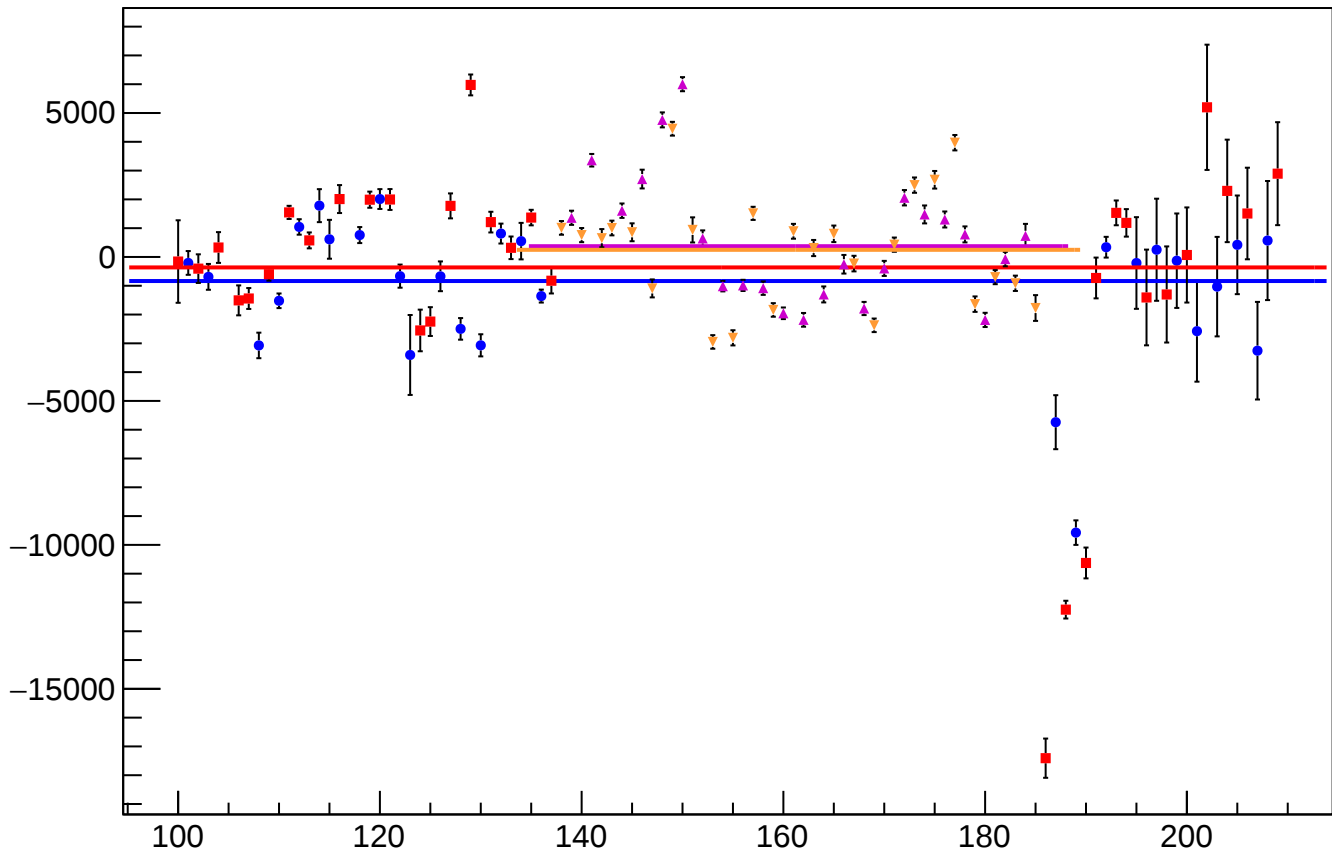
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 197.474 $\pm$ 0.025 χ^2 /NDF: 2153304.1/52

All: 192.516 $\pm$ 0.017 χ^2 /NDF: 5272669.8/107

- sign 187.962 $\pm$ 0.024 χ^2 /NDF: 3043851.8/54

asym_bpm0i07WS_mean vs Slug



Right In: -835.946 ± 83.372 χ^2/NDF : 764.2/27

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -363.269 ± 74.924 χ^2/NDF : 3176.1/31

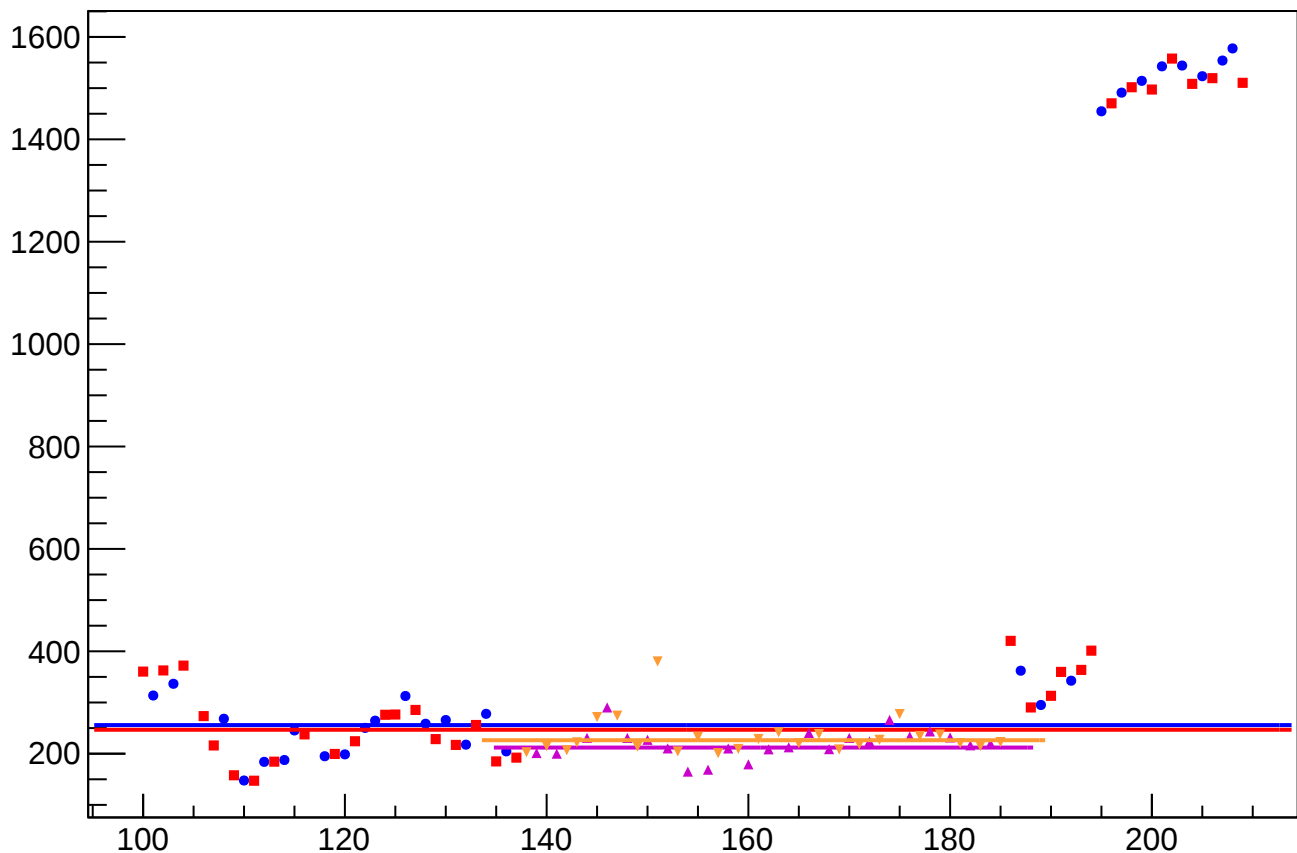
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -68.730 ± 45.059 χ^2/NDF : 2238.9/52

All: 38.022 ± 31.012 χ^2/NDF : 7292.0/107

- sign 134.095 ± 42.747 χ^2/NDF : 5042.5/54

asym_bpm0i07WS_rms vs Slug



Right In: 255.878+/-0.059 χ^2/NDF : 9660935.2/27

Left Out: 226.322+/-0.038 χ^2/NDF : 521041.8/24

Right Out: 246.769+/-0.053 χ^2/NDF : 9270462.8/31

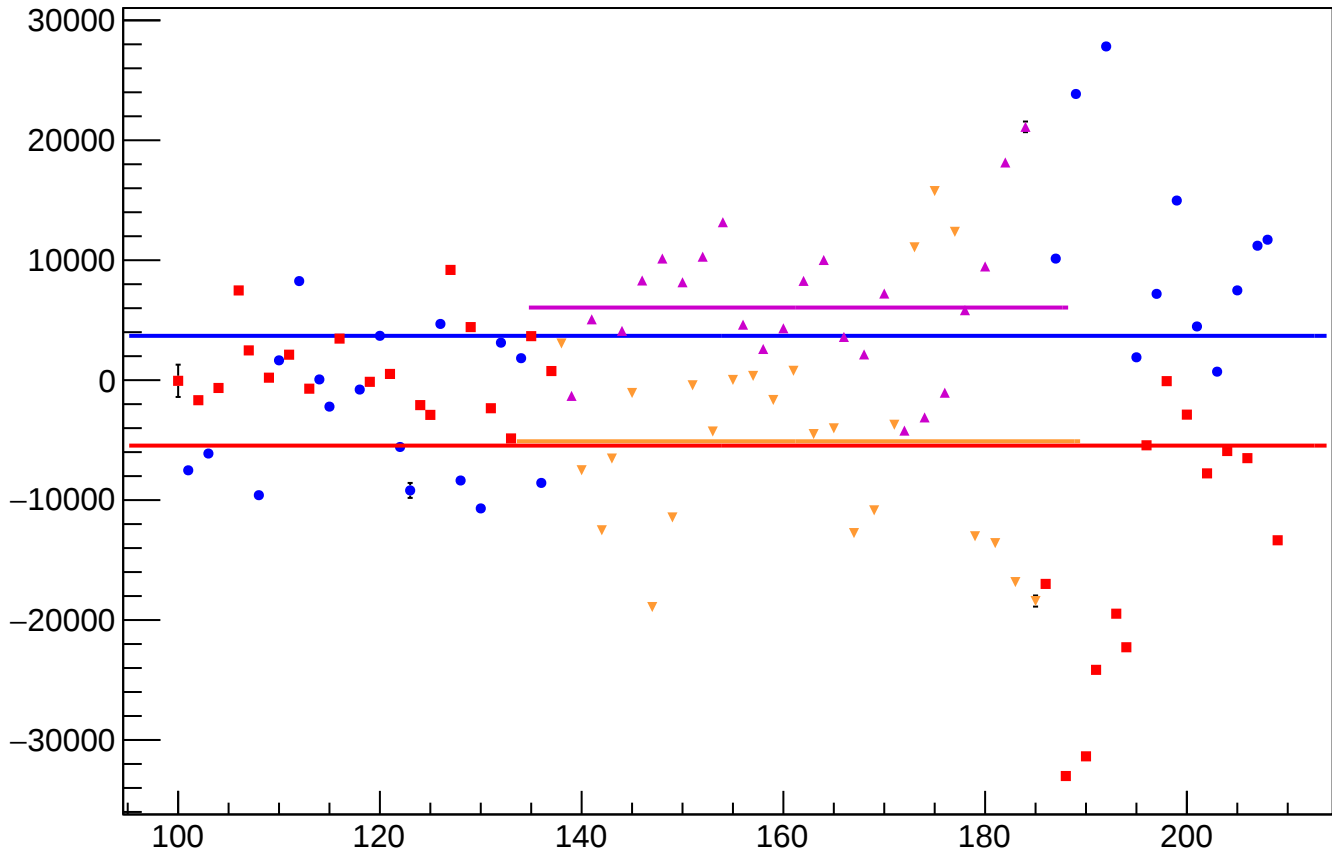
Left In: 211.970+/-0.037 χ^2/NDF : 584344.5/22

+ sign 234.955+/-0.032 χ^2/NDF : 10359912.7/52

All: 228.820+/-0.022 χ^2/NDF : 20576184.8/10

- sign 223.298+/-0.030 χ^2/NDF : 10145814.9/54

asym_bpm1i02WS_mean vs Slug



Right In: 3694.951+/-35.717 χ^2/NDF : 77238.0/27

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5456.325+/-33.607 χ^2/NDF : 102872.6/31

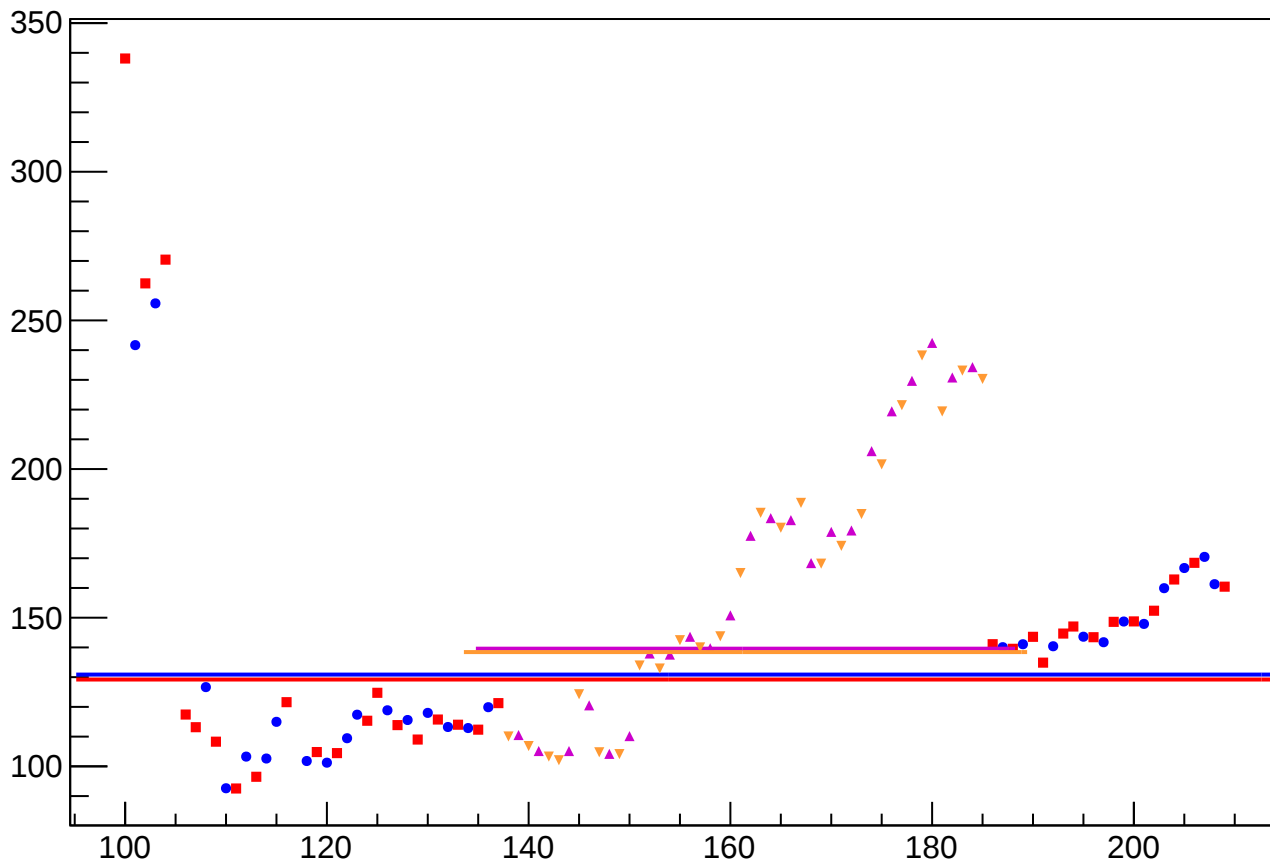
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -954.957+/-24.513 χ^2/NDF : 163673.1/52

All: -439.116+/-17.236 χ^2/NDF : 341282.7/10

- sign 65.323+/-24.241 χ^2/NDF : 176733.7/54

asym_bpm1i02WS_rms vs Slug



Right In: 130.866+/-0.025 χ^2/NDF : 1286966.5/27

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 129.205+/-0.024 χ^2/NDF : 1417392.3/31

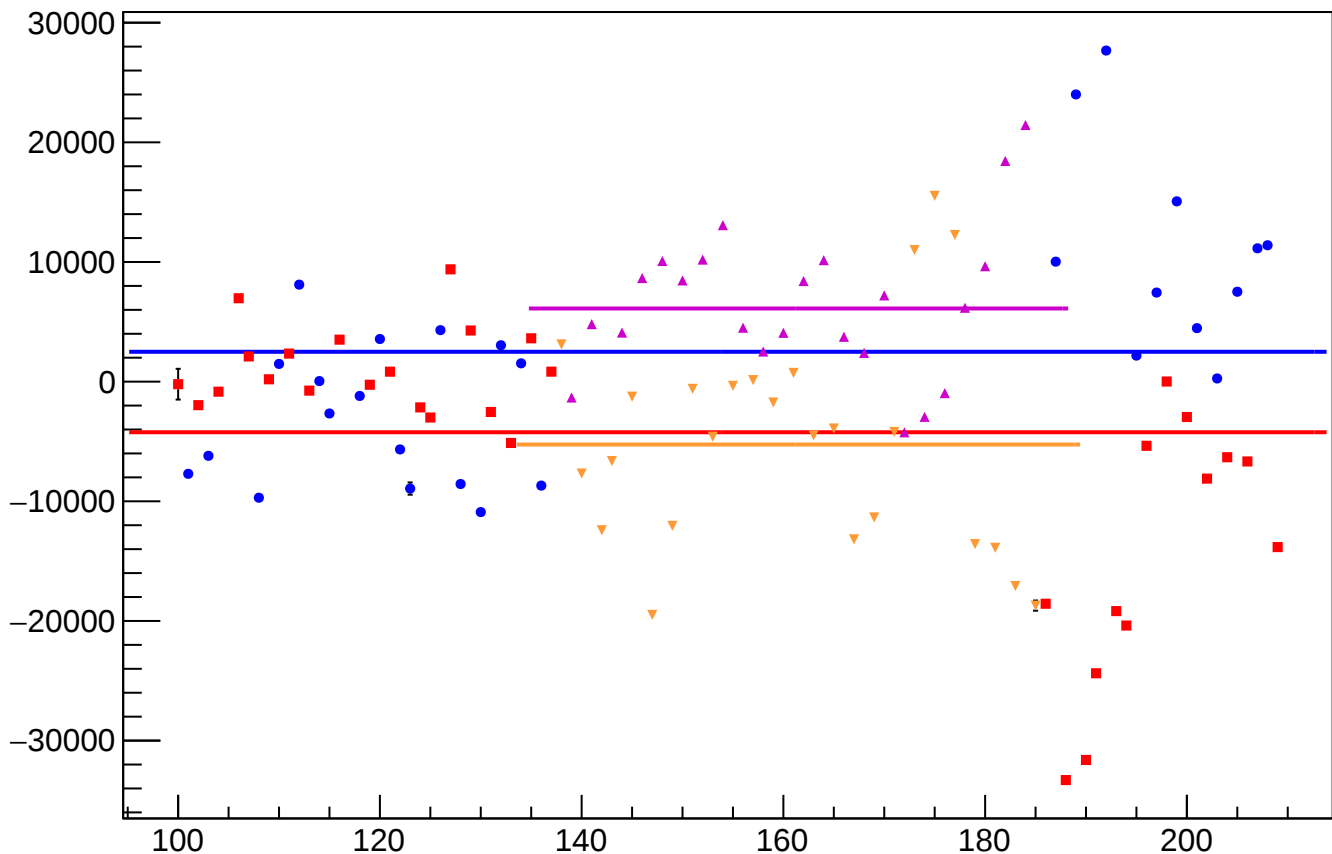
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 134.870+/-0.017 χ^2/NDF : 3883925.4/52

All: 134.522+/-0.012 χ^2/NDF : 7807172.4/107

- sign 134.181+/-0.017 χ^2/NDF : 3922448.5/54

asym_bpm1i04WS_mean vs Slug



Right In: 2495.779+/-31.900 χ^2/NDF : 86438.2/27

Left Out: -5255.652+/-30.622 χ^2/NDF : 64324.6/24

Right Out: -4229.754+/-30.216 χ^2/NDF : 111480.2/31

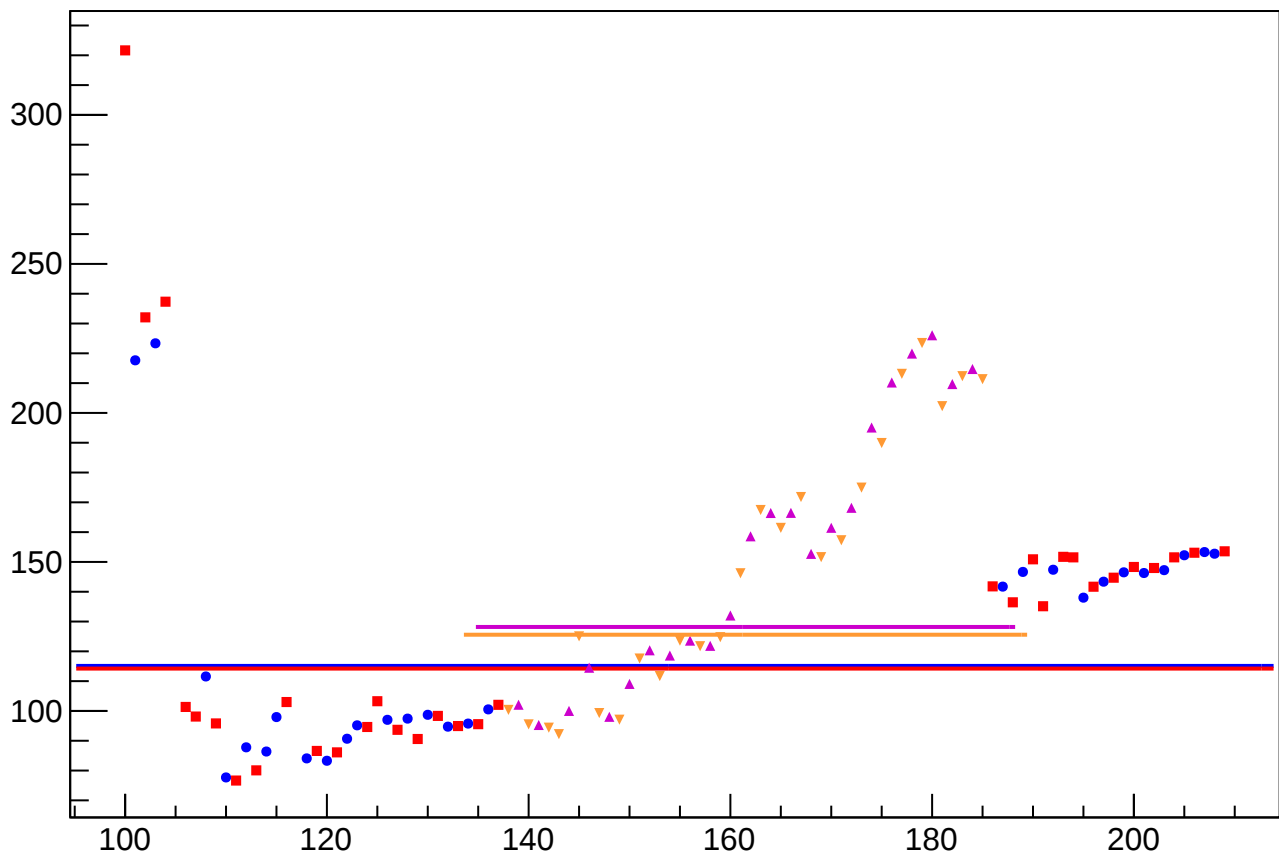
Left In: 6114.901+/-32.126 χ^2/NDF : 21260.9/22

+ sign -1538.349+/-22.091 χ^2/NDF : 181491.5/52

All: -452.196+/-15.592 χ^2/NDF : 374066.7/10

- sign 626.010+/-22.010 χ^2/NDF : 187758.1/54

asym_bpm1i04WS_rms vs Slug



Right In: 115.110 $\pm$ 0.023 χ^2 /NDF: 1969918.7/27

Left Out: 125.577 $\pm$ 0.022 χ^2 /NDF: 2595752.6/24

Right Out: 114.216 $\pm$ 0.021 χ^2 /NDF: 2253489.9/31

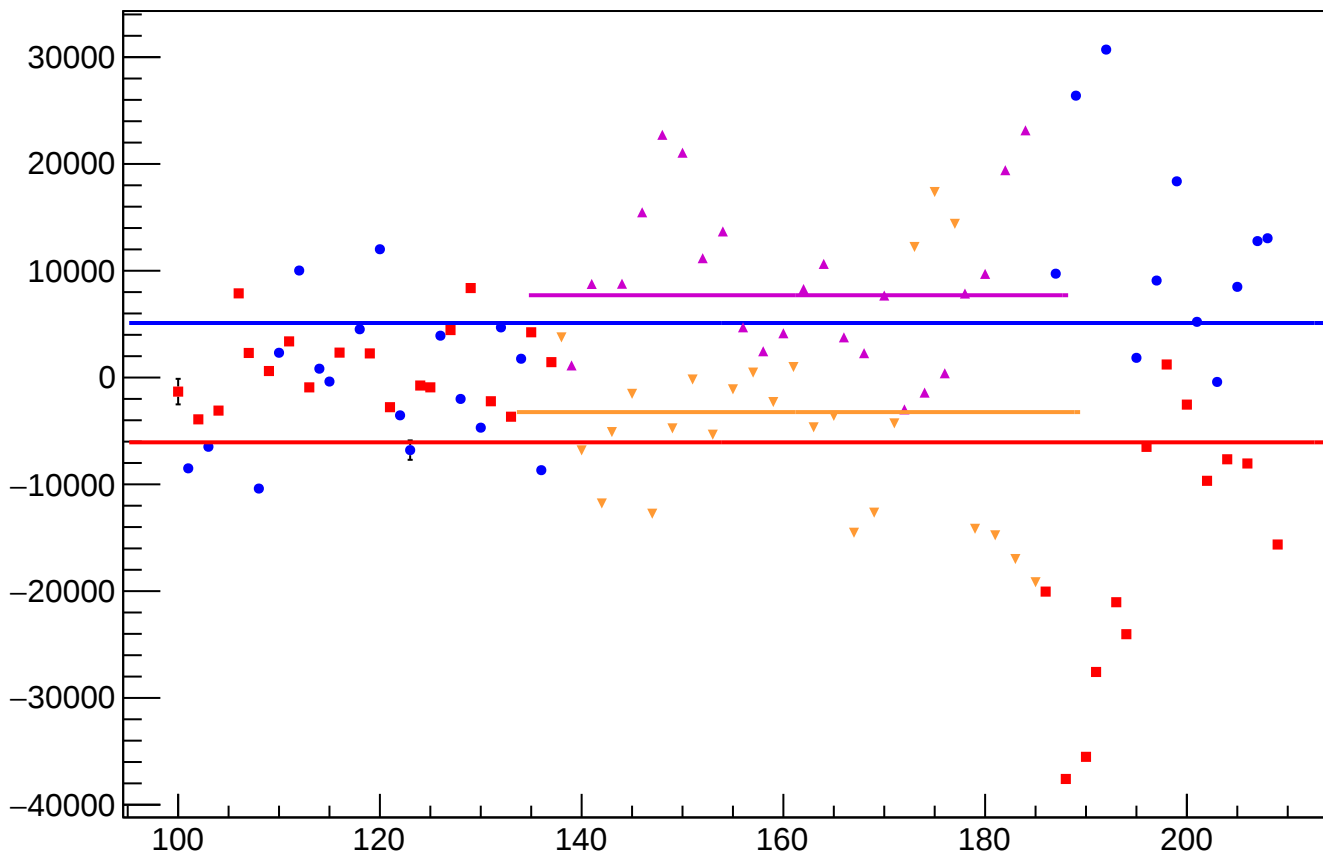
Left In: 128.184 $\pm$ 0.023 χ^2 /NDF: 2332977.5/22

+ sign 120.558 $\pm$ 0.016 χ^2 /NDF: 4677730.1/52

All: 120.665 $\pm$ 0.011 χ^2 /NDF: 9464907.2/107

- sign 120.772 $\pm$ 0.016 χ^2 /NDF: 4787082.5/54

asym_bpm1i06WS_mean vs Slug



Right In: 5107.451+/-42.304 χ^2/NDF : 60976.7/27

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: -6065.974+/-39.928 χ^2/NDF : 92279.9/31

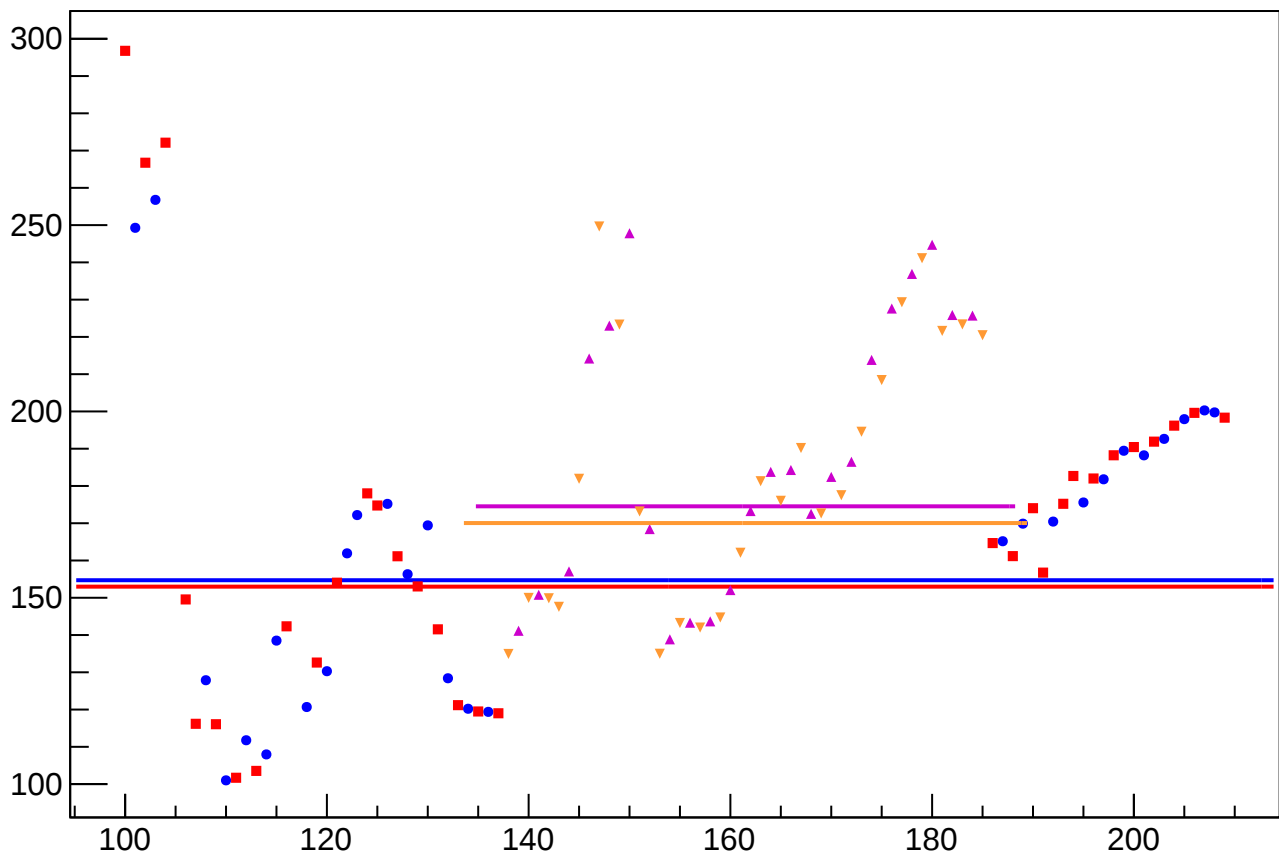
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign 763.133+/-29.286 χ^2/NDF : 117968.2/52

All: 537.621+/-20.698 χ^2/NDF : 286741.7/107

- sign 312.569+/-29.256 χ^2/NDF : 168655.1/54

asym_bpm1i06WS_rms vs Slug



Right In: 154.707 $\pm$ 0.030 χ^2 /NDF: 1536888.3/27

Left Out: 170.050 $\pm$ 0.029 χ^2 /NDF:1240866.9/24

Right Out: 152.986 $\pm$ 0.028 χ^2 /NDF: 1716988.6/31

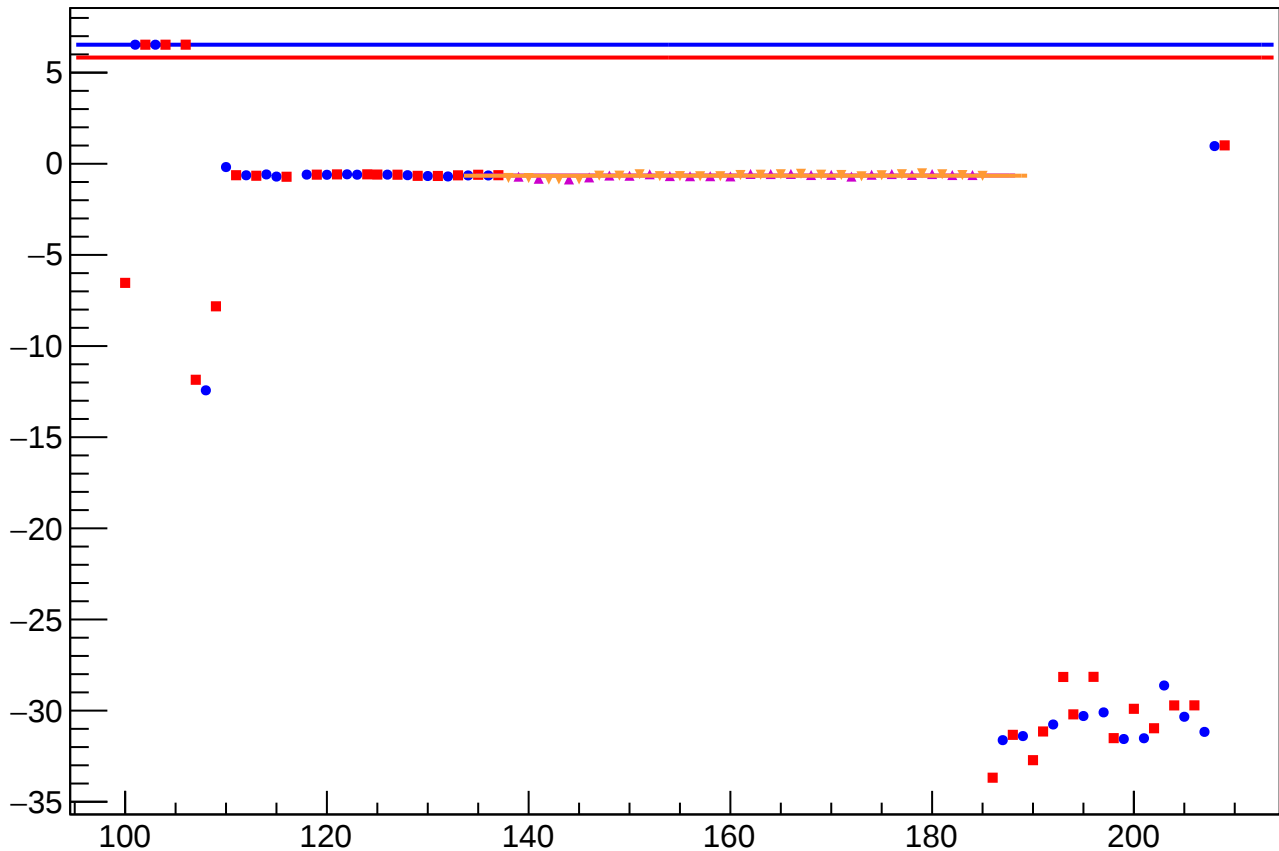
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 162.697 $\pm$ 0.021 χ^2 /NDF: 2914742.6/52

All: 162.832 $\pm$ 0.015 χ^2 /NDF: 6111789.8/107

- sign 162.968 $\pm$ 0.021 χ^2 /NDF: 3196961.7/54

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 129910336814.7/27

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755949238279295.2/31

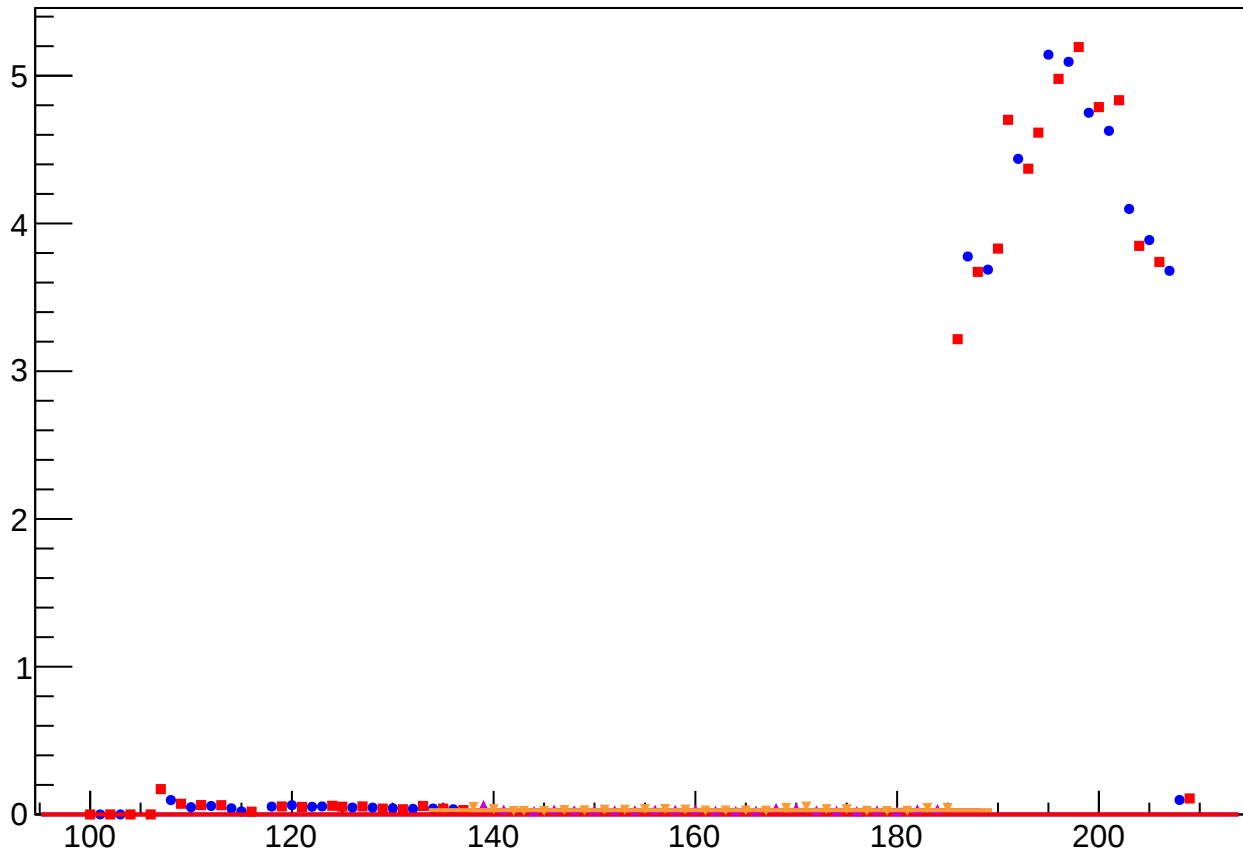
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001298544985.1/52

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77760563414641

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756620582205317.2/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 24080500.5/27

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 26287477.9/31

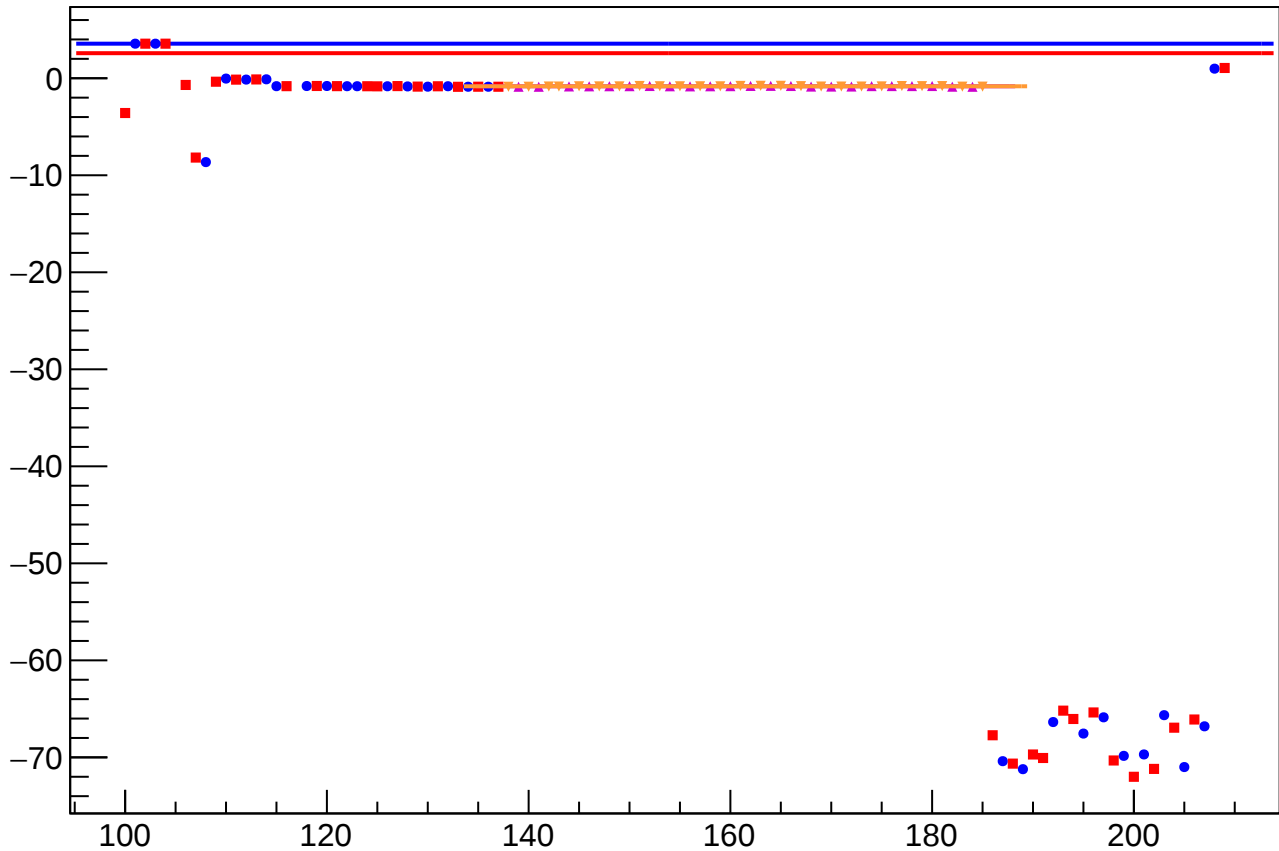
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 53951727.9/52

All: 0.000+/-0.000 χ^2/NDF : 108205440.0/107

- sign 0.000+/-0.000 χ^2/NDF : 54253025.0/54

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 530127462528.1/27

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

+ sign 3.560+/-0.000 χ^2/NDF : 4212234061451.9/52

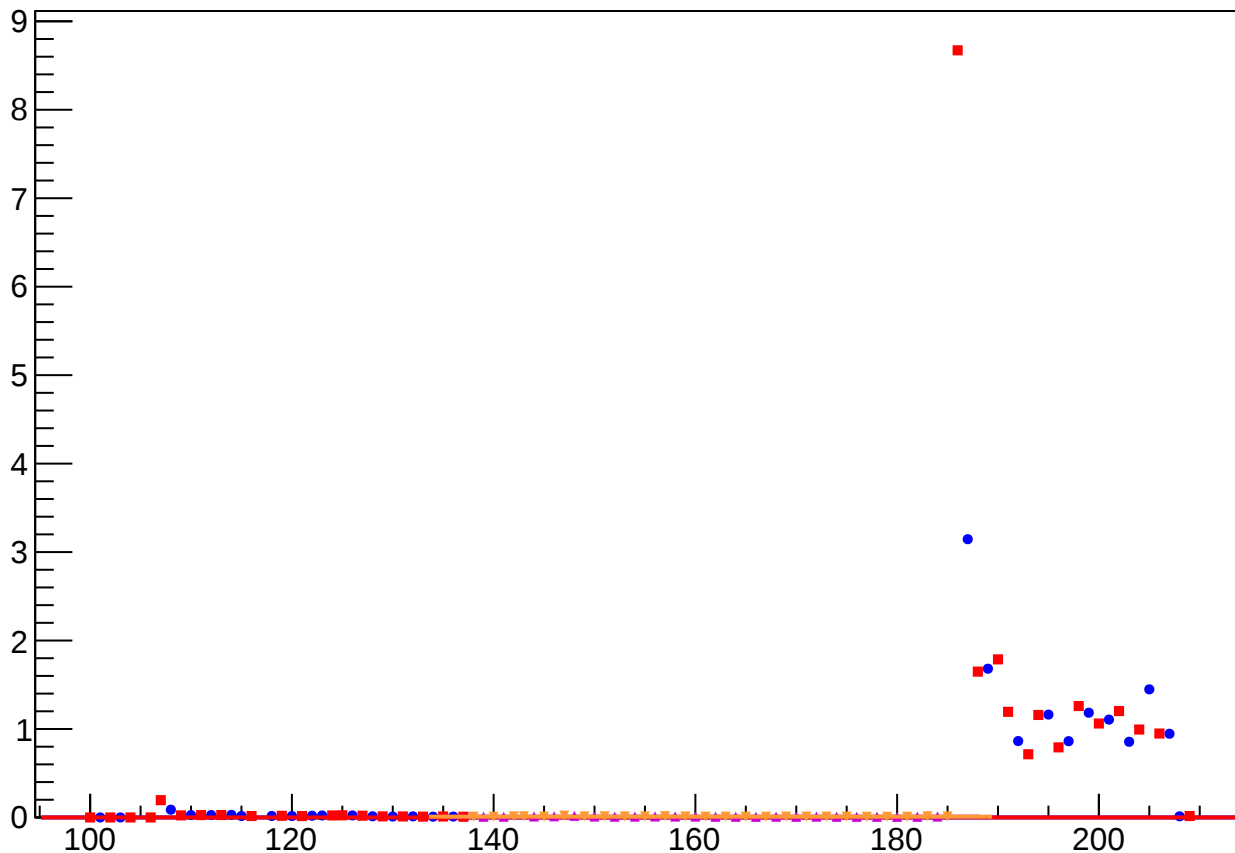
All: 3.038+/-0.000 χ^2/NDF : 13880246312409

Right Out: 2.583+/-0.000 χ^2/NDF : 1253539649499442.8/31

- sign 2.581+/-0.000 χ^2/NDF : 1255739683789458.2

Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

yield_cav4bY_rms vs Slug



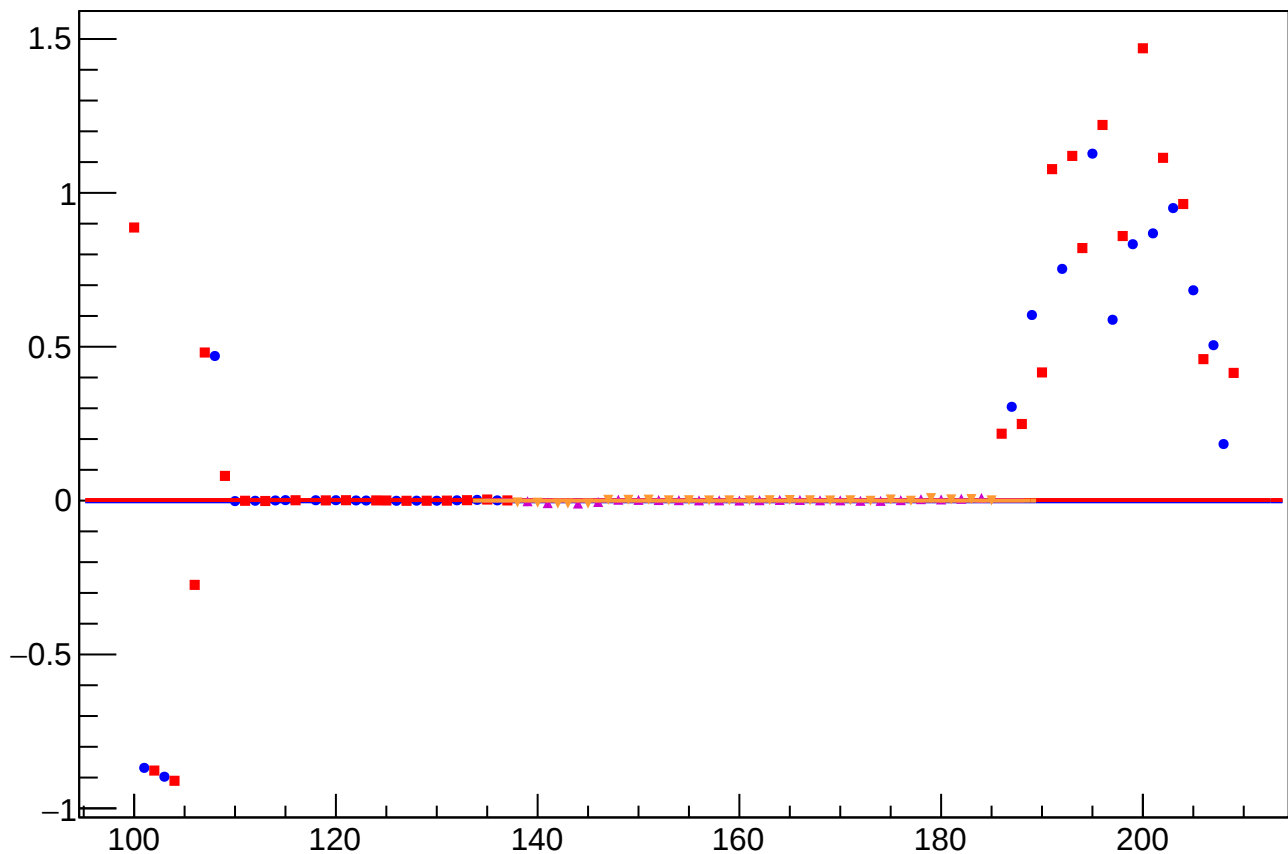
Right In: 0.000+/-0.000 χ^2/NDF : 22266807.8/27
 Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 24351247.8/31
 Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 53674578.3/52

All: 0.000+/-0.000 χ^2/NDF : 107571507.4/107

- sign 0.000+/-0.000 χ^2/NDF : 53895800.5/54

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9797101725.2/27

Left Out: -0.000+/-0.000 χ^2/NDF :151482851.1/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3043700986.8/31

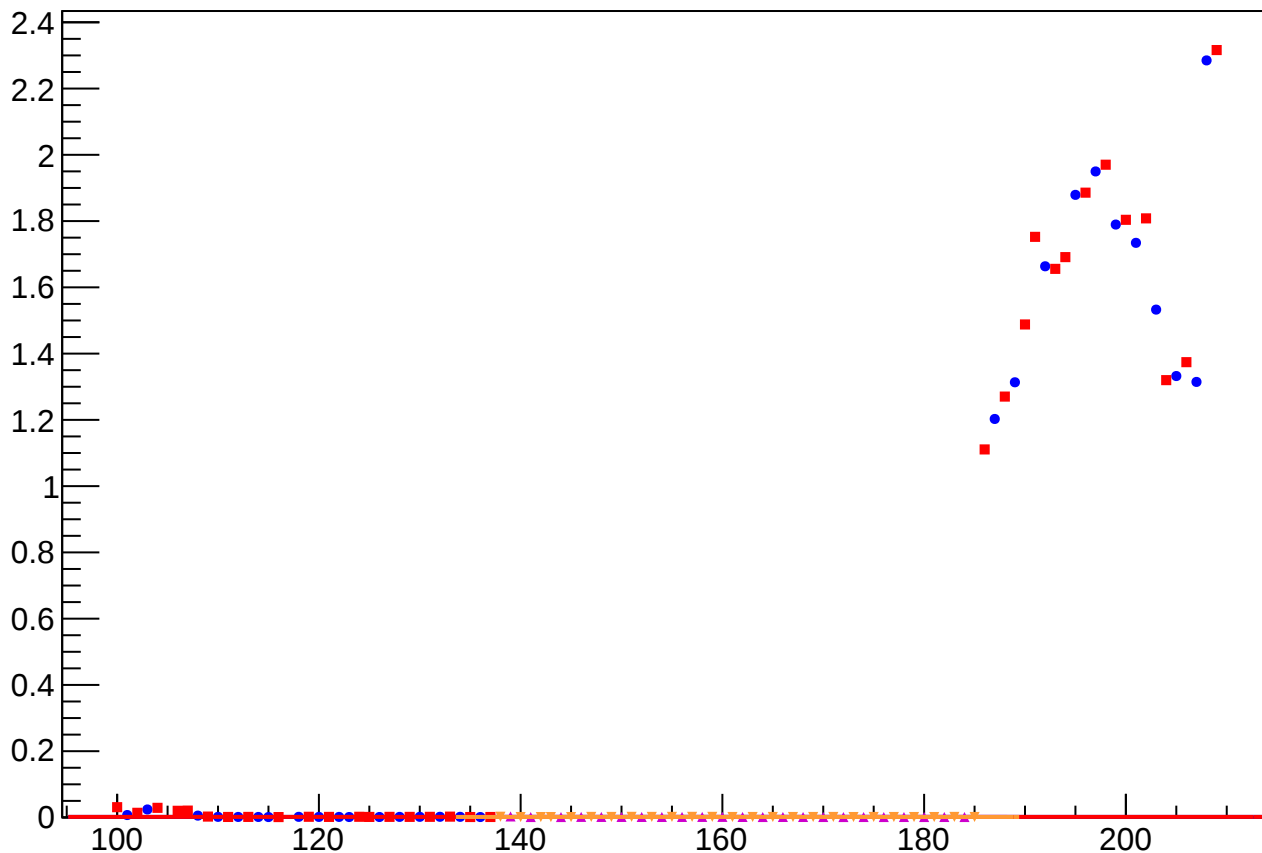
Left In: 0.001+/-0.000 χ^2/NDF :101439617.3/22

+ sign -0.001+/-0.000 χ^2/NDF : 9955116127.7/52

All: 0.000+/-0.000 χ^2/NDF : 13109806713.6/100

- sign 0.001+/-0.000 χ^2/NDF : 3147109197.5/54

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 16959569.2/27

Left Out: 0.001+/-0.000 χ^2/NDF : 539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 19916390.1/31

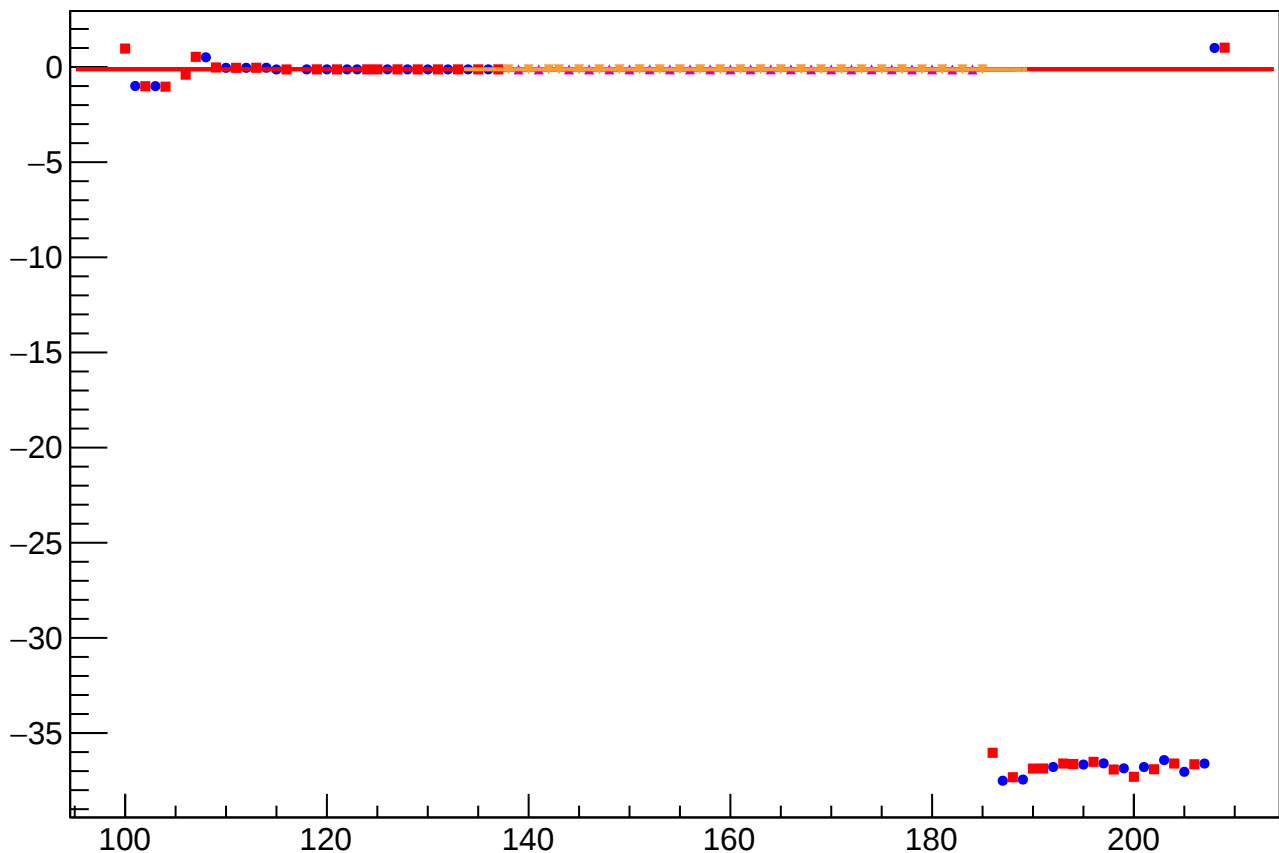
Left In: 0.001+/-0.000 χ^2/NDF : 626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 17571988.2/52

All: 0.002+/-0.000 χ^2/NDF : 38234129.0/107

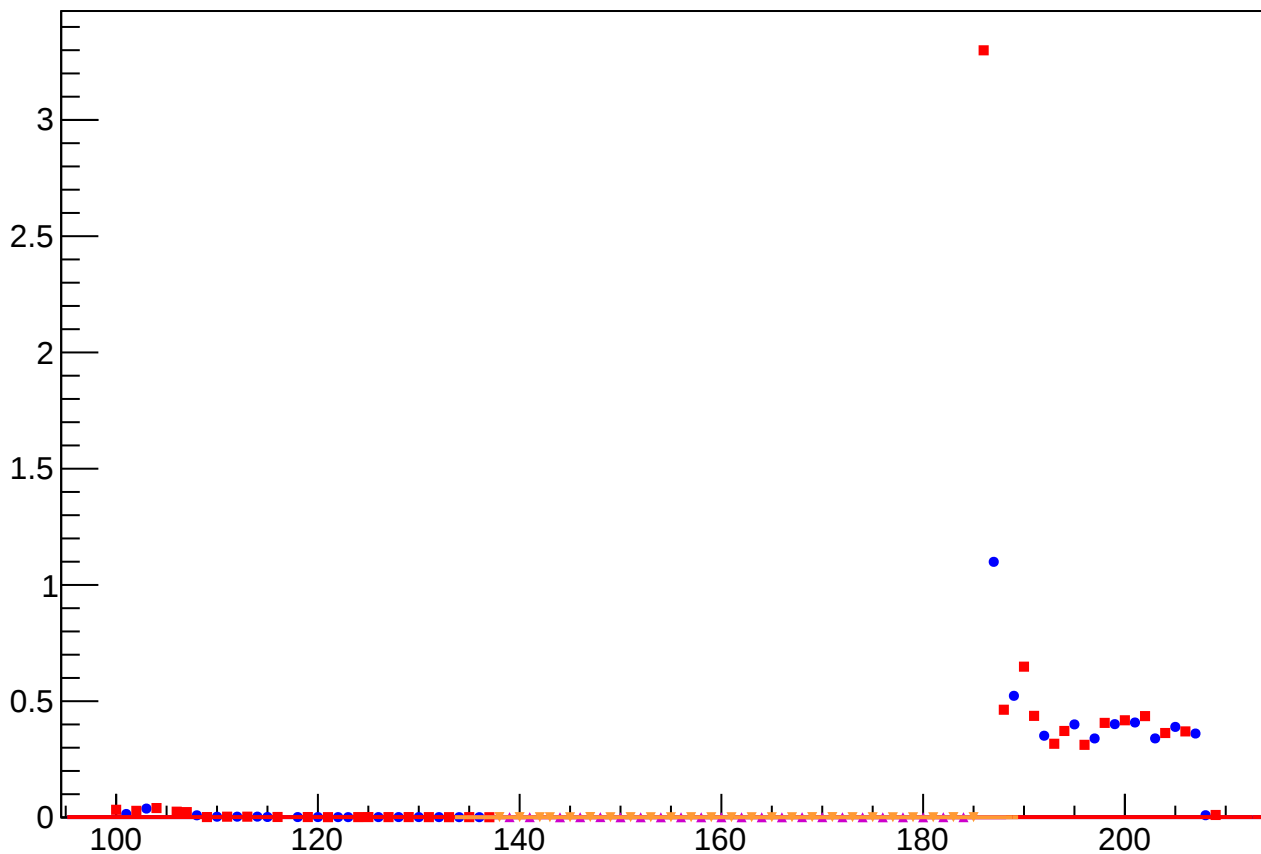
- sign 0.002+/-0.000 χ^2/NDF : 20653179.3/54

yield_cav4cY_mean vs Slug



Right In: -0.118 ± 0.000 χ^2/NDF : 73101868843.3/27
 Left Out: -0.121 ± 0.000 χ^2/NDF : 58120109.3/24
 Right Out: -0.113 ± 0.000 χ^2/NDF : 76246613920.5/31
 Left In: -0.121 ± 0.000 χ^2/NDF : 52113932.9/22
 + sign -0.121 ± 0.000 χ^2/NDF : 73179798994.6/52
 All: -0.120 ± 0.000 χ^2/NDF : 149597850004.9
 - sign -0.120 ± 0.000 χ^2/NDF : 76413578406.2/54

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 16939731.4/27

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 19513716.2/31

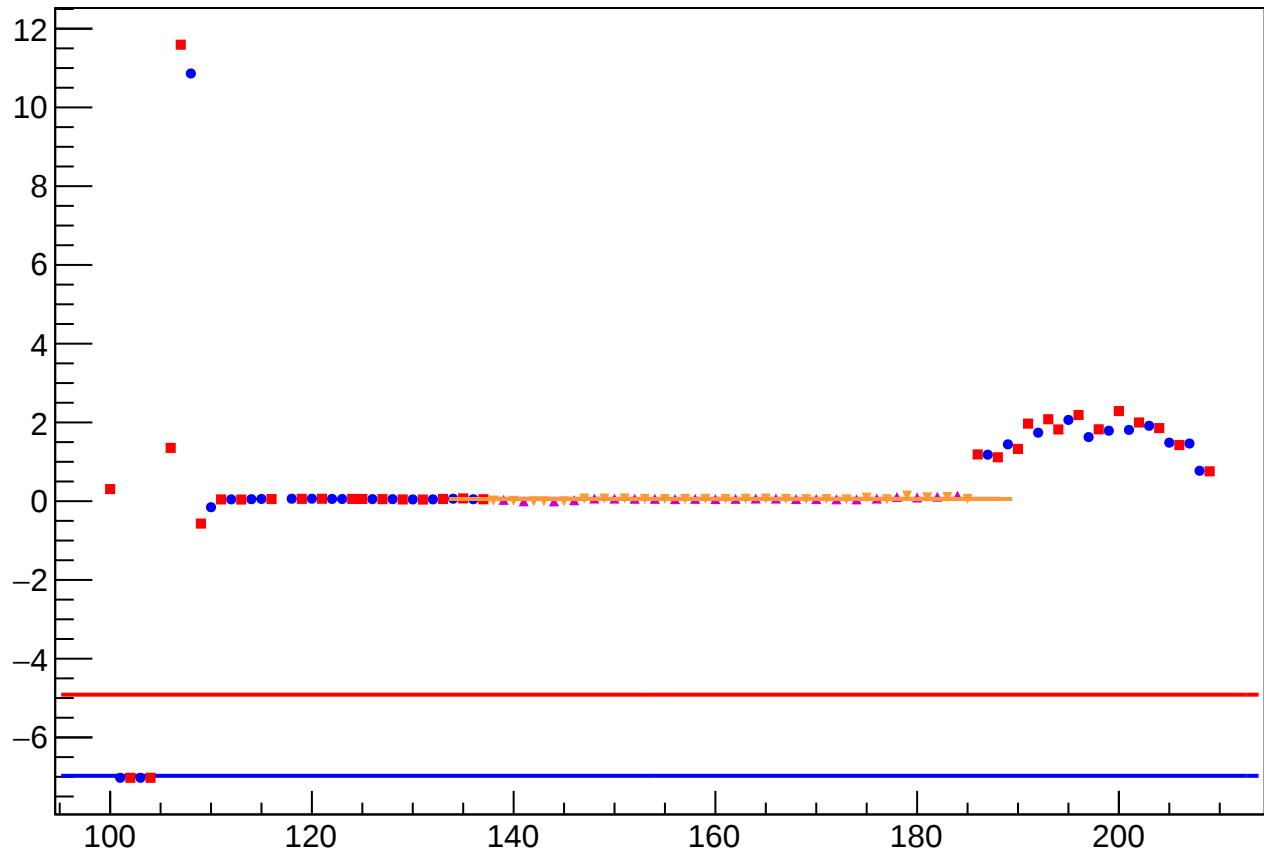
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 19628269.7/52

All: 0.001+/-0.000 χ^2/NDF : 41379767.2/107

- sign 0.001+/-0.000 χ^2/NDF : 21749436.0/54

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8797691932676.1/27$

Left Out: 0.055 ± 0.000 $\chi^2/\text{NDF}: 243682351.4/24$

Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365352877781770.3/31$

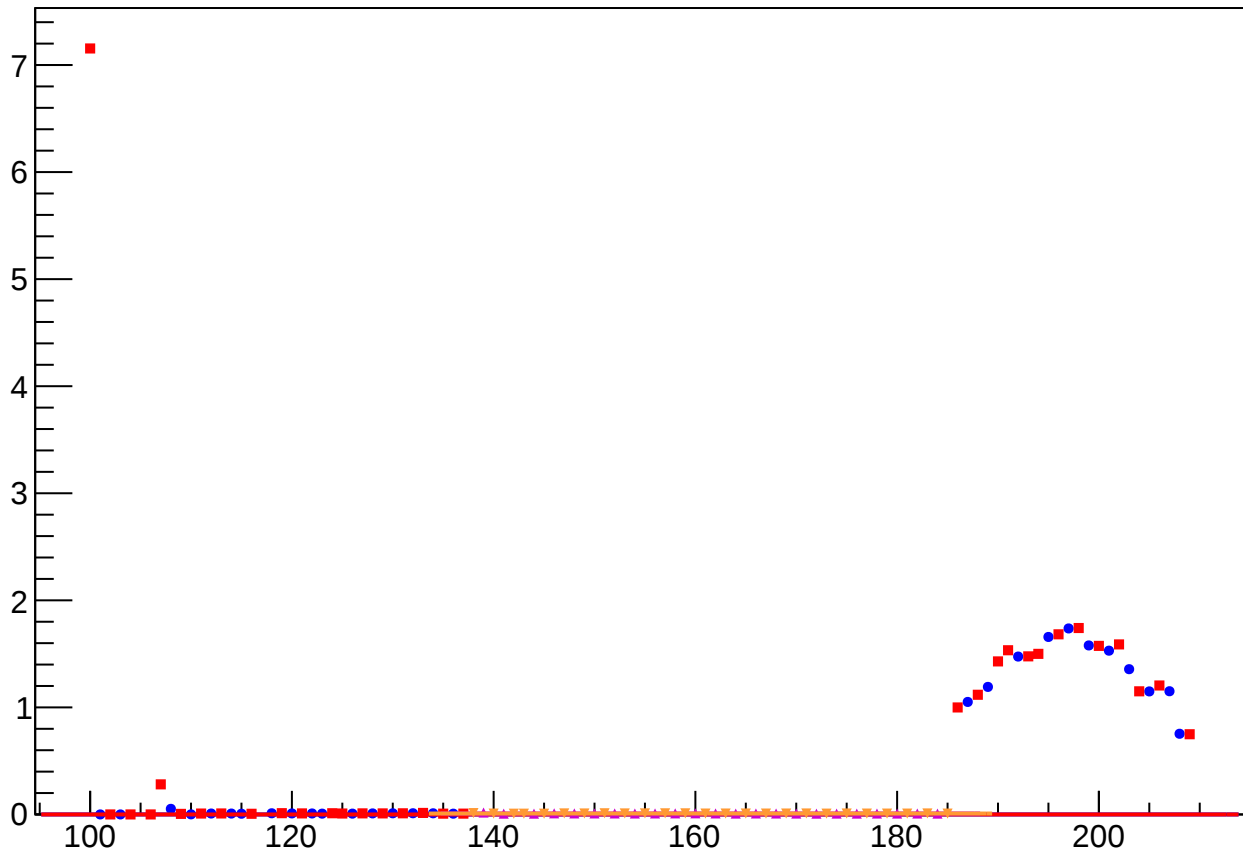
Left In: 0.059 ± 0.000 $\chi^2/\text{NDF}: 178541521.9/22$

+ sign -6.921 ± 0.000 $\chi^2/\text{NDF}: 18424003010327.2/27$

All: -5.858 ± 0.000 $\chi^2/\text{NDF}: 4435291038728.1/27$

- sign -4.882 ± 0.000 $\chi^2/\text{NDF}: 369731897005925.5/27$

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 23414474.2/27

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 25703063.1/31

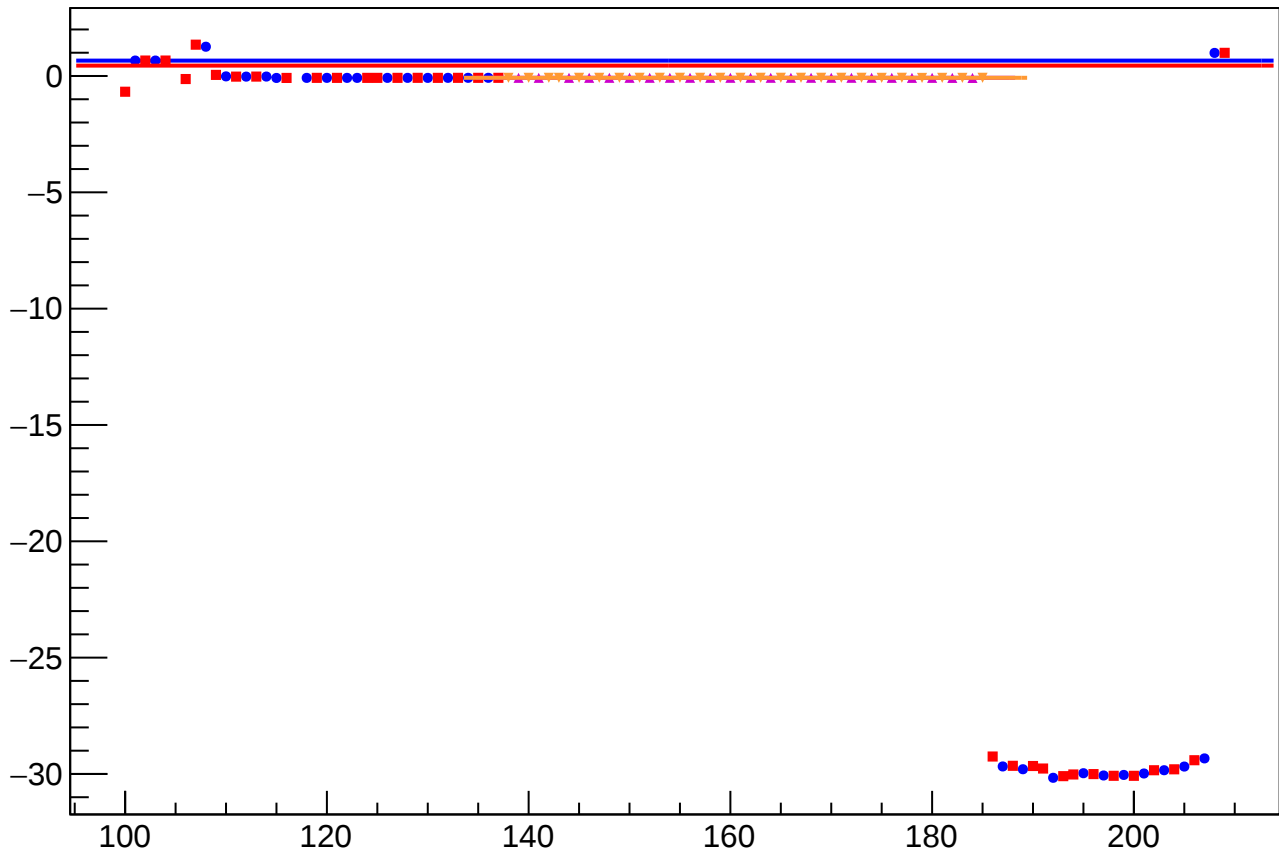
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 52315919.6/52

All: 0.000+/-0.000 χ^2/NDF : 105479314.3/107

- sign 0.000+/-0.000 χ^2/NDF : 53158578.9/54

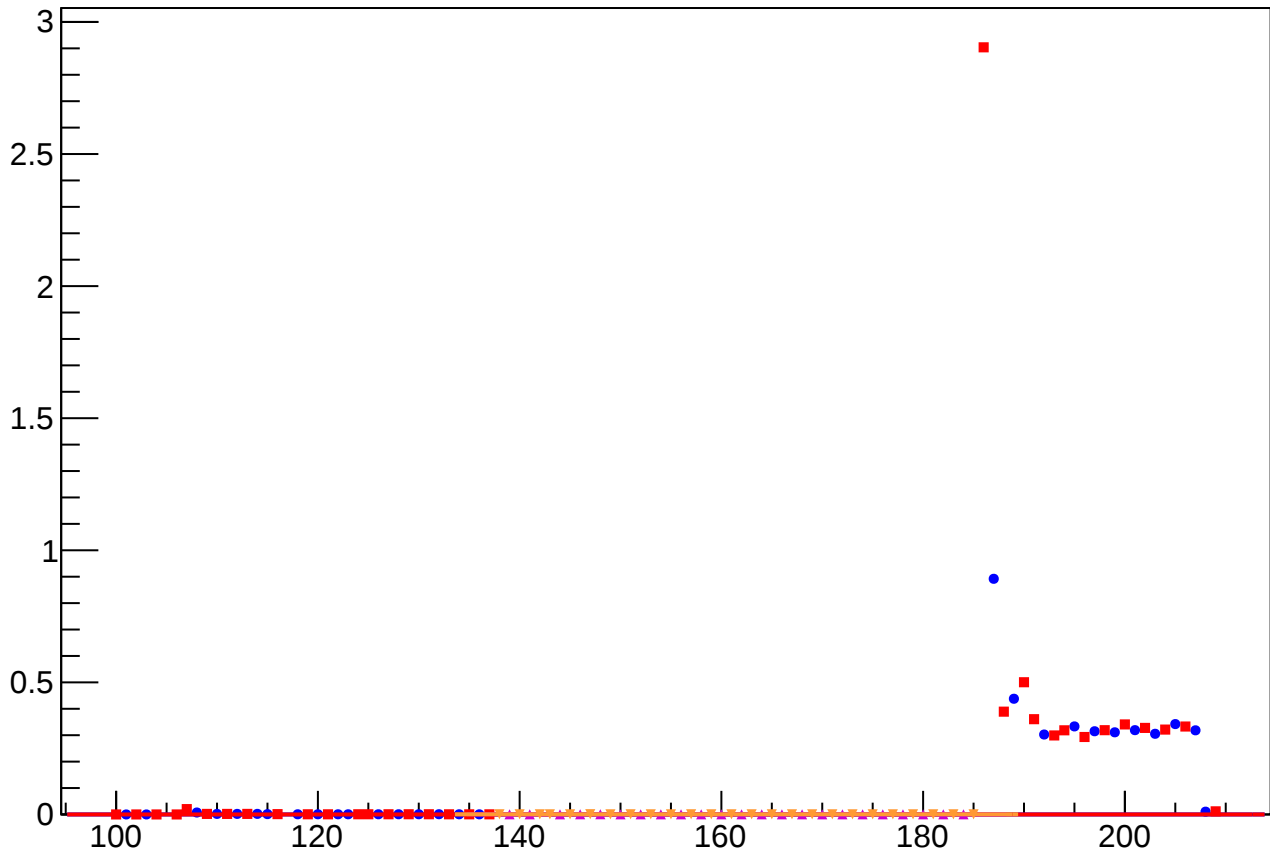
yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 χ^2/NDF : 5719778964147.2/27
 Left Out: -0.078 ± 0.000 χ^2/NDF : 156404795.7/24
 Right Out: 0.446 ± 0.000 χ^2/NDF : 405492002806383.4/31
 Left In: -0.077 ± 0.000 χ^2/NDF : 110762924.1/22

+ sign 0.646 ± 0.000 χ^2/NDF : 35818599173788.3/5
 All: 0.537 ± 0.000 χ^2/NDF : 51596947736114
 - sign 0.437 ± 0.000 χ^2/NDF : 419614075429046.1/5

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 24842362.8/27

Left Out: 0.001+/-0.000 χ^2/NDF :465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 26281074.3/31

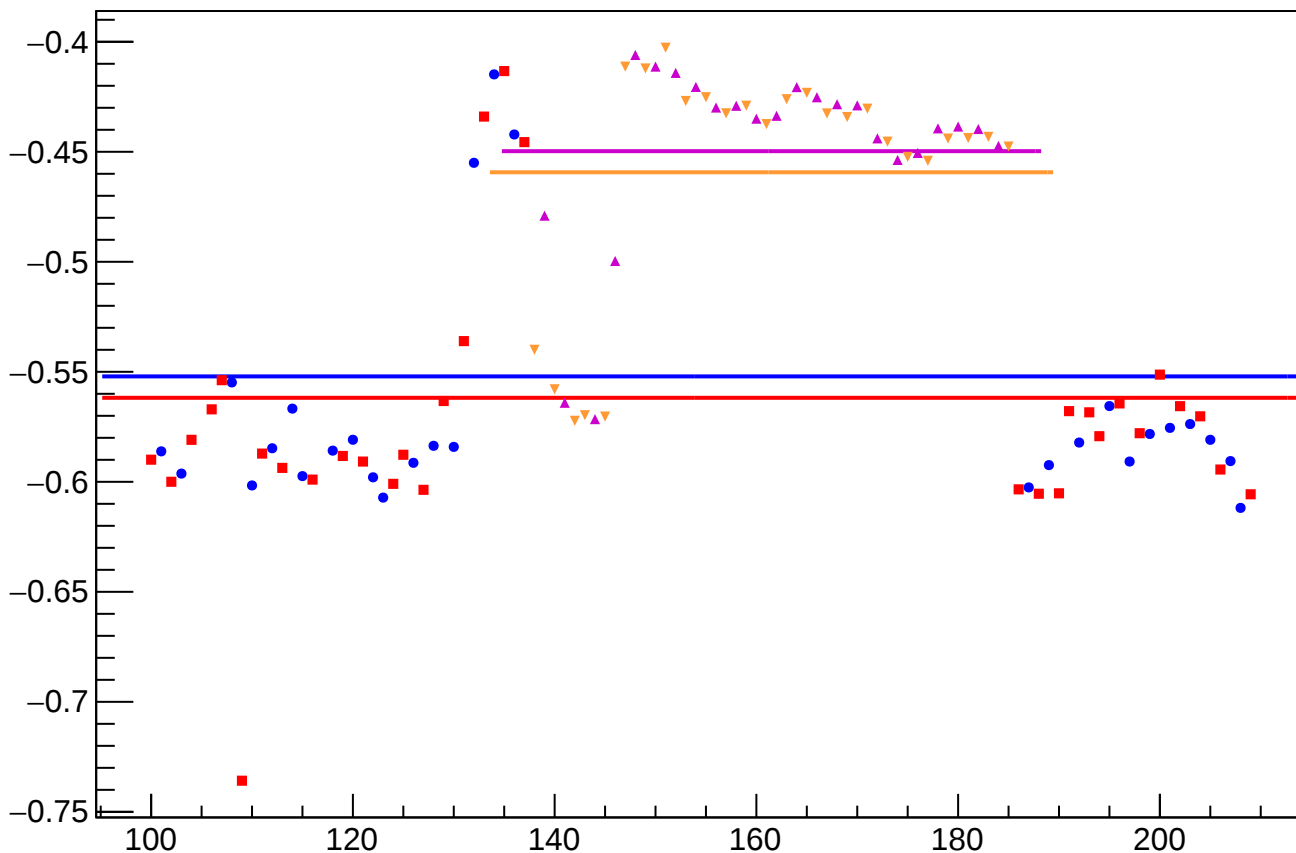
Left In: 0.001+/-0.000 χ^2/NDF :355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 57393121.0/52

All: 0.000+/-0.000 χ^2/NDF : 114472324.1/107

- sign 0.000+/-0.000 χ^2/NDF : 57071371.8/54

yield_bpm4aX_mean vs Slug



Right In: -0.552 ± 0.000 $\chi^2/\text{NDF}: 49388432.0/27$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 113602161.0/24$

Right Out: -0.562 ± 0.000 $\chi^2/\text{NDF}: 66588250.1/31$

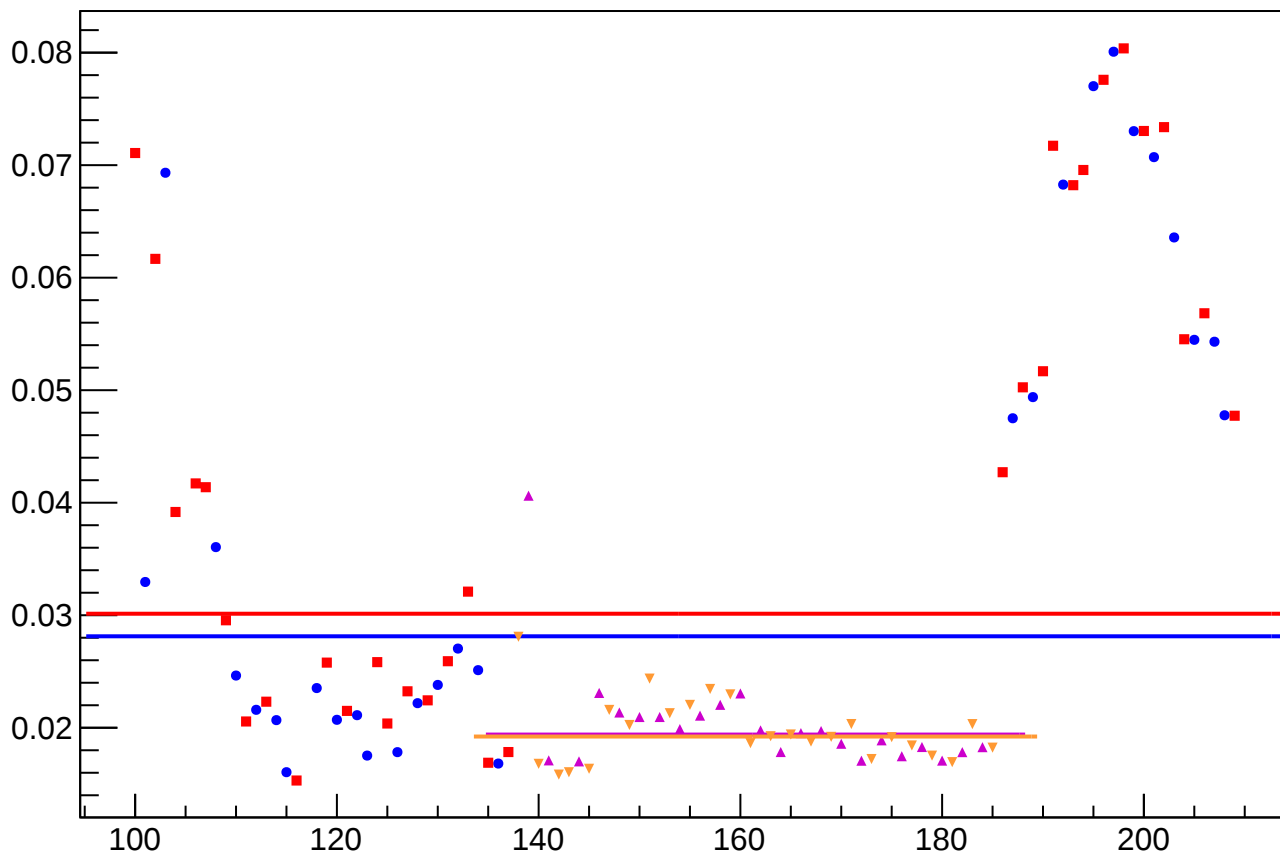
Left In: -0.450 ± 0.000 $\chi^2/\text{NDF}: 76117957.8/22$

+ sign -0.481 ± 0.000 $\chi^2/\text{NDF}: 245102952.4/52$

All: -0.479 ± 0.000 $\chi^2/\text{NDF}: 503239494.1/10$

- sign -0.477 ± 0.000 $\chi^2/\text{NDF}: 257738431.8/54$

yield_bpm4aX_rms vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6424984.7/27

Left Out: 0.019+/-0.000 χ^2/NDF :501711.6/24

Right Out: 0.030+/-0.000 χ^2/NDF : 6636155.3/31

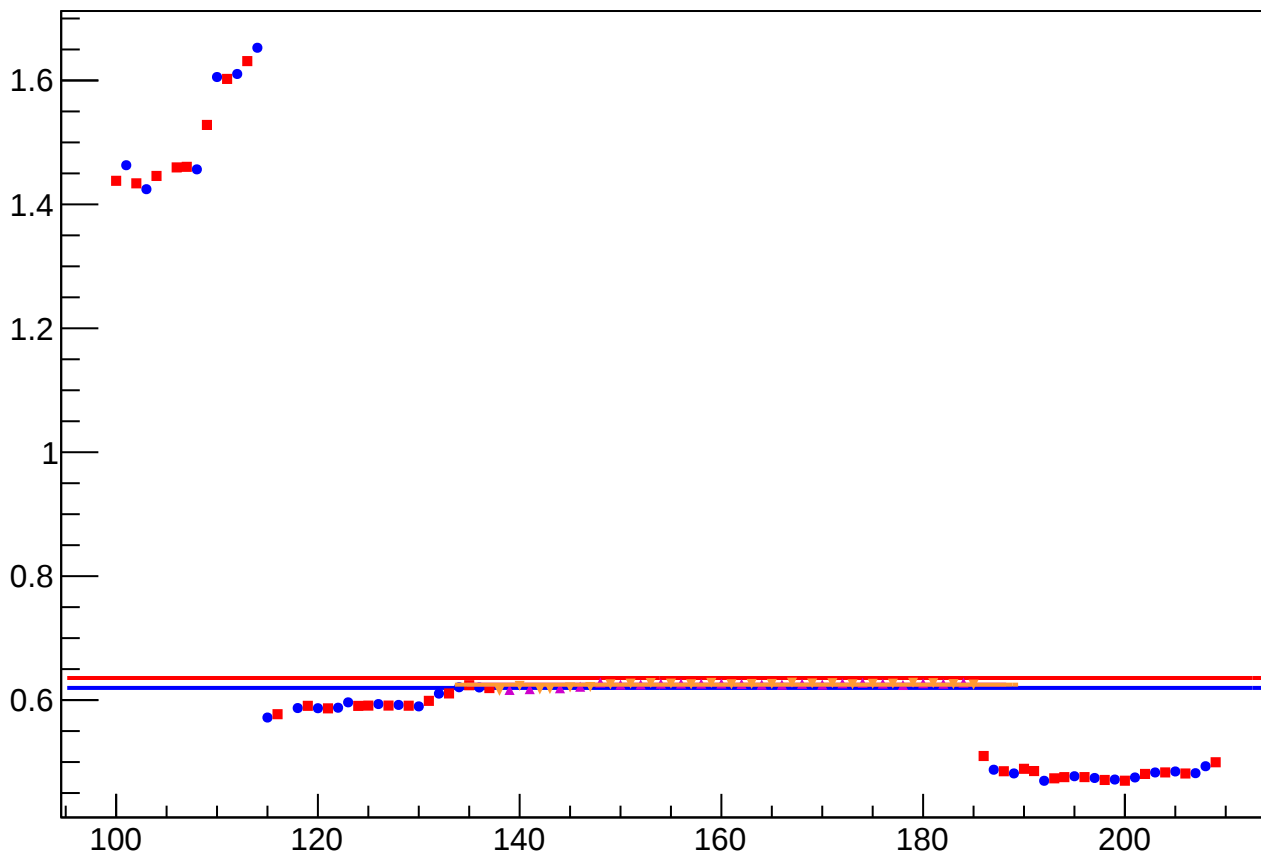
Left In: 0.019+/-0.000 χ^2/NDF :626443.5/22

+ sign 0.021+/-0.000 χ^2/NDF : 8440897.9/52

All: 0.022+/-0.000 χ^2/NDF : 17841043.7/107

- sign 0.022+/-0.000 χ^2/NDF : 9374502.3/54

yield_bpm4aY_mean vs Slug



Right In: 0.620 $\pm$ 0.000 χ^2 /NDF: 5073804265.9/27

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.636 $\pm$ 0.000 χ^2 /NDF: 6115204596.4/31

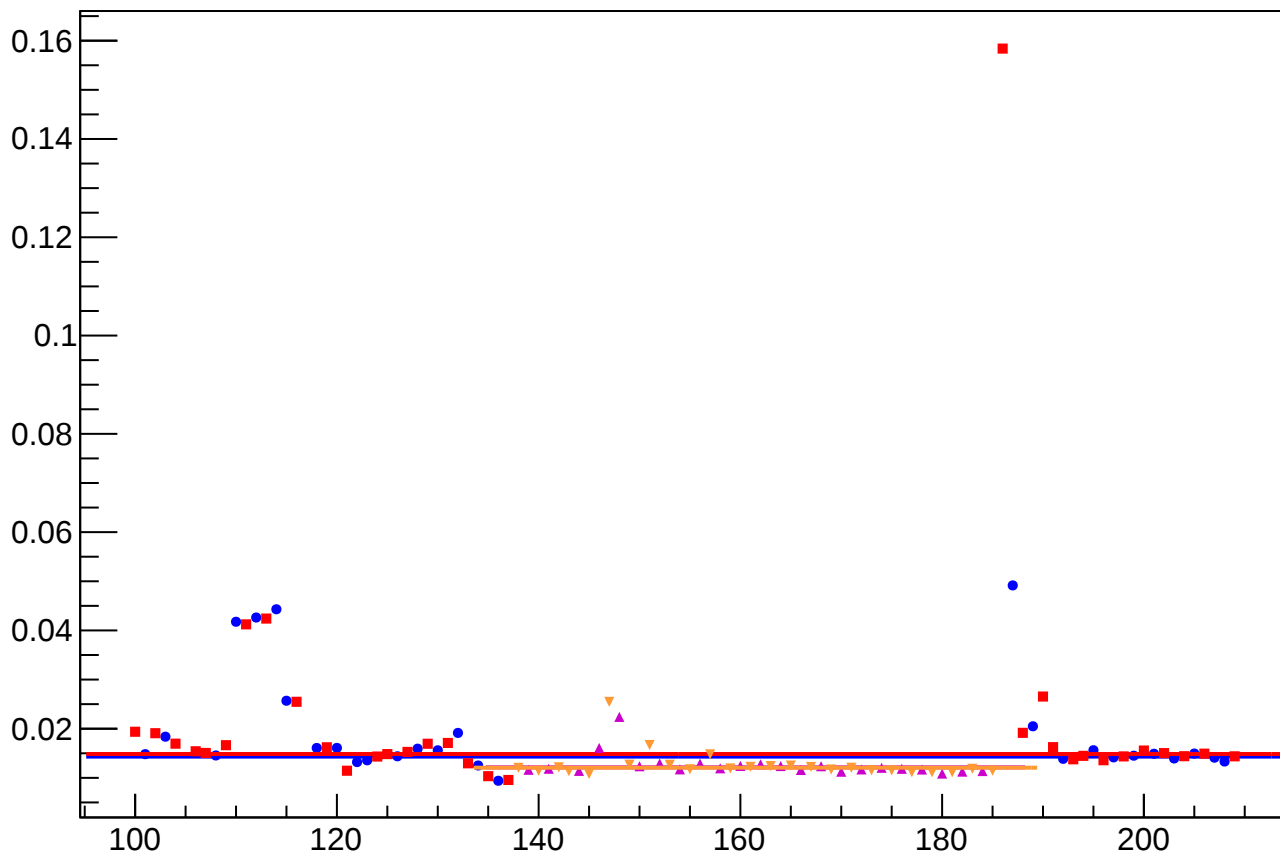
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.623 $\pm$ 0.000 χ^2 /NDF: 5076402694.0/52

All: 0.626 $\pm$ 0.000 χ^2 /NDF: 11200345992.7/1

- sign 0.629 $\pm$ 0.000 χ^2 /NDF: 6121113815.7/54

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1648043.3/27

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2080728.3/31

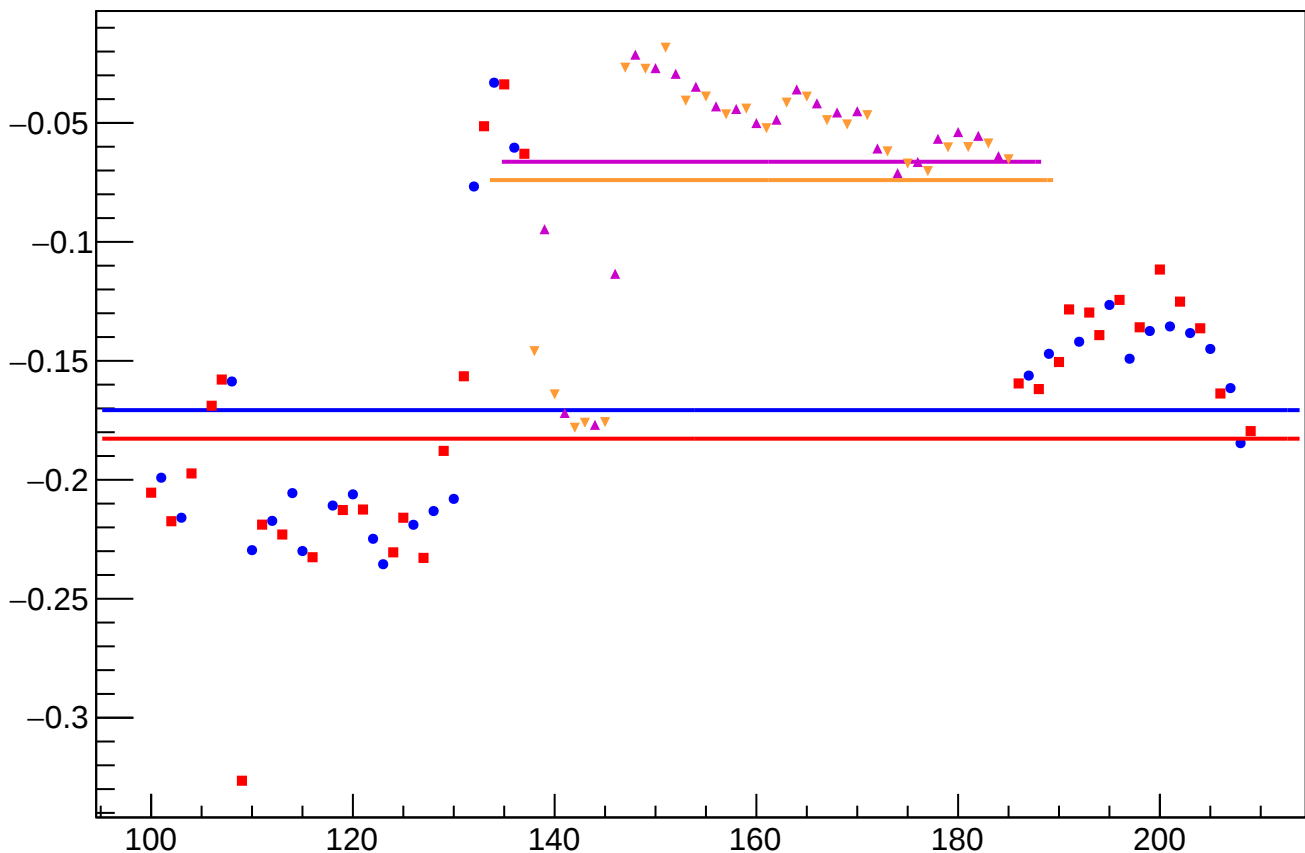
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2727583.0/52

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5908737.3/107

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3168423.9/54

yield_bpm4eX_mean vs Slug



Right In: -0.171+/-0.000 χ^2/NDF : 68417026.8/27

Left Out: -0.074+/-0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.183+/-0.000 χ^2/NDF : 86386618.7/31

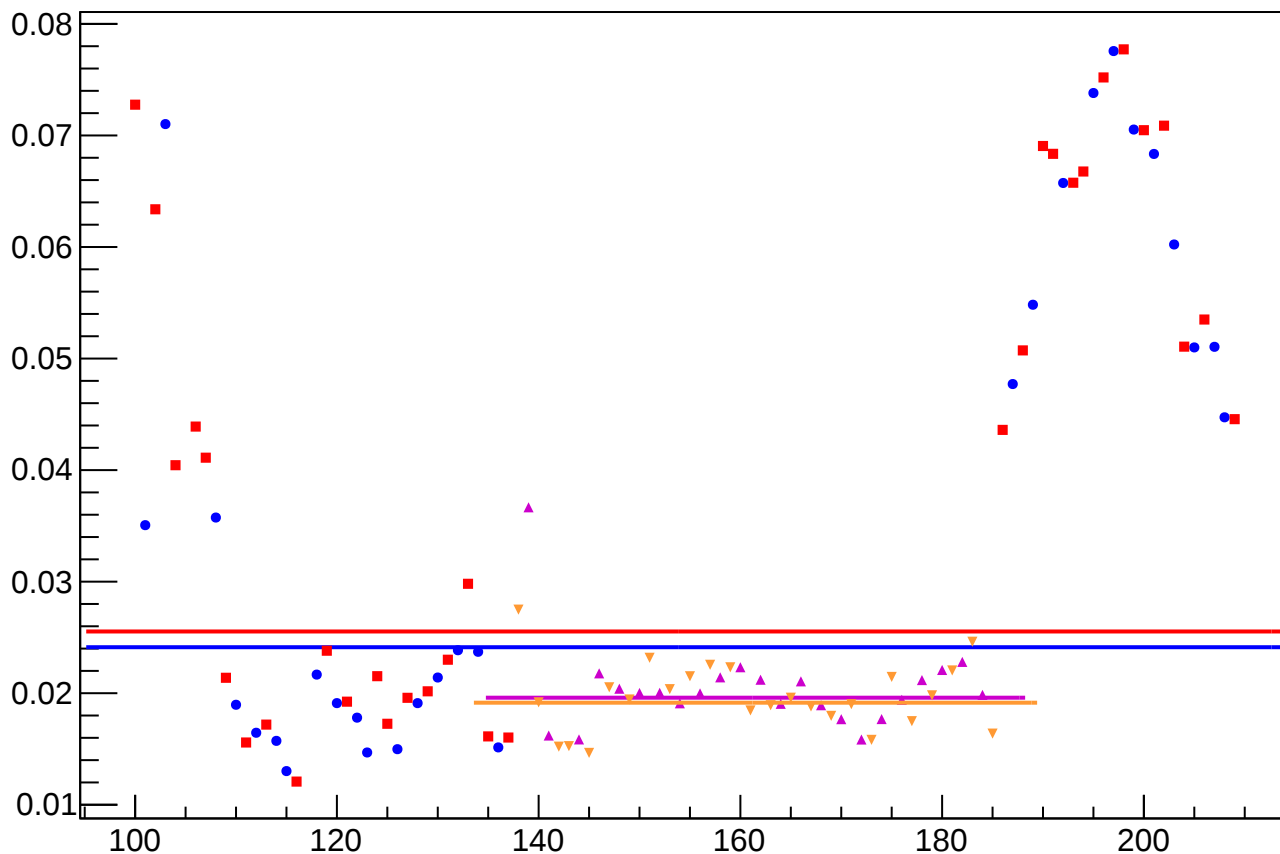
Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

+ sign -0.101+/-0.000 χ^2/NDF : 284454177.8/52

All: -0.101+/-0.000 χ^2/NDF : 597496449.9/10

- sign -0.101+/-0.000 χ^2/NDF : 313041689.7/54

yield_bpm4eX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 7491218.4/27

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641277.0/24

Right Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 8090172.0/31

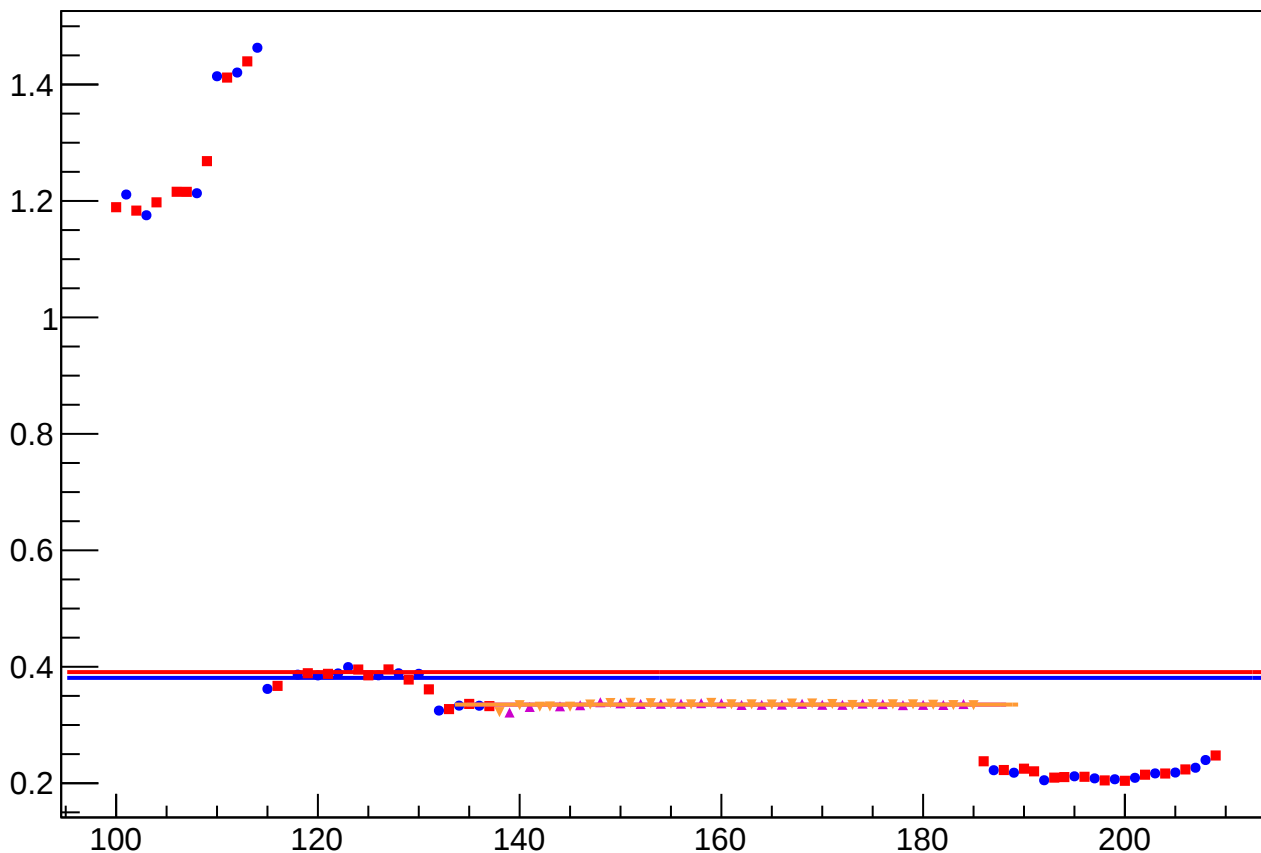
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:623148.2/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8705800.8/52

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 18238764.3/107

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9495851.3/54

yield_bpm4eY_mean vs Slug



Right In: 0.381+/-0.000 χ^2/NDF : 7492037320.1/27

Left Out: 0.335+/-0.000 χ^2/NDF :1154310.3/24

Right Out: 0.391+/-0.000 χ^2/NDF : 8611087829.5/31

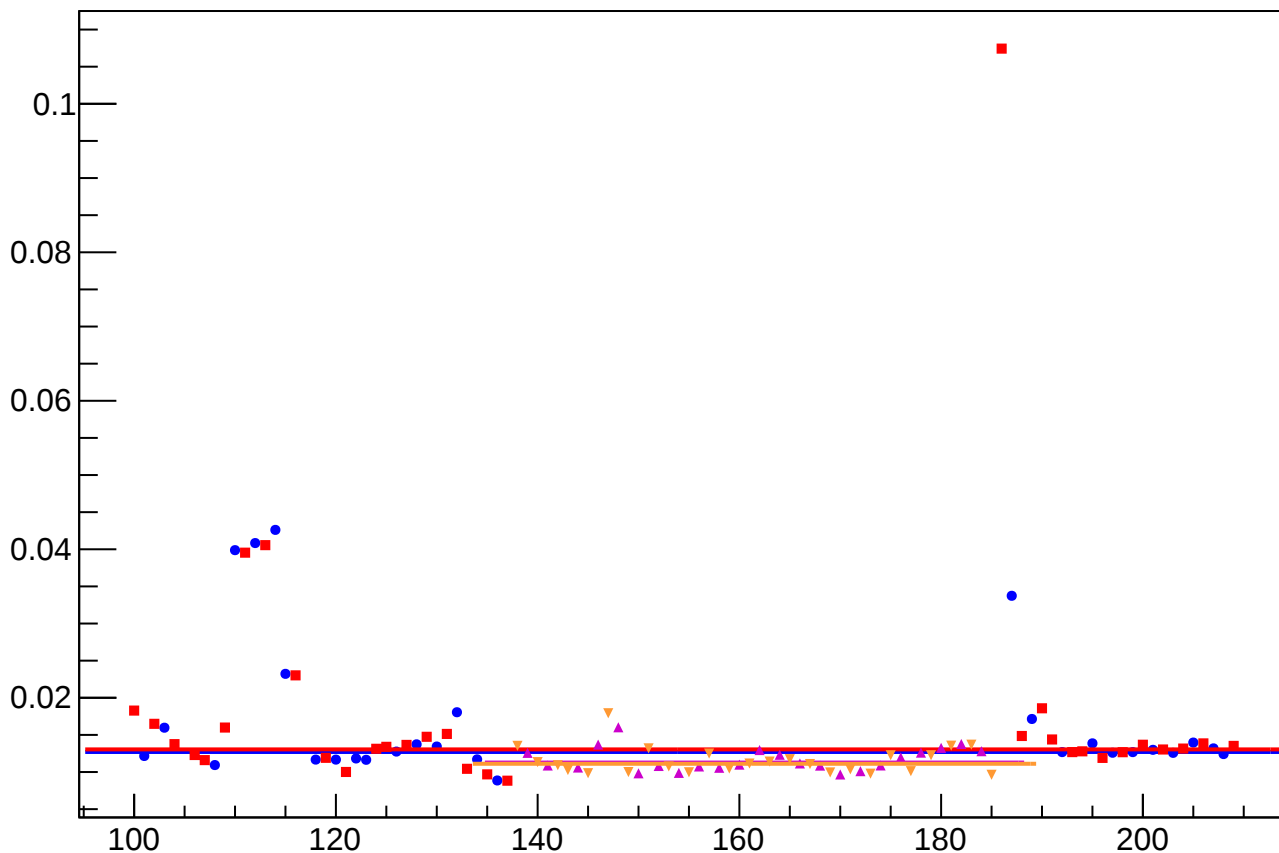
Left In: 0.335+/-0.000 χ^2/NDF :1202194.8/22

+ sign 0.352+/-0.000 χ^2/NDF : 7601022403.7/52

All: 0.354+/-0.000 χ^2/NDF : 16372513062.2/100

- sign 0.357+/-0.000 χ^2/NDF : 8768893686.0/54

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1525354.5/27

Left Out: 0.011+/-0.000 χ^2/NDF : 607532.0/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1946181.7/31

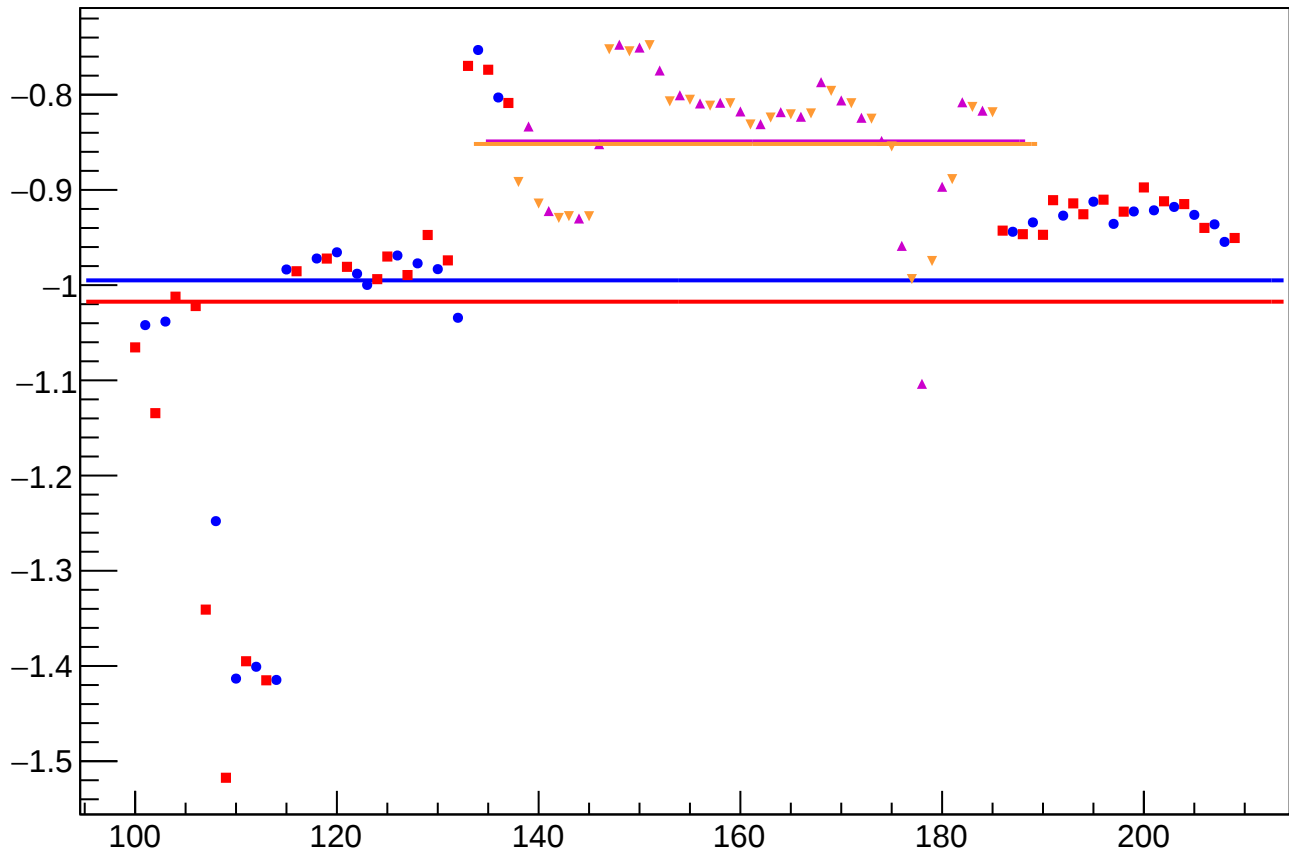
Left In: 0.011+/-0.000 χ^2/NDF : 502455.5/22

+ sign 0.012+/-0.000 χ^2/NDF : 2392096.0/52

All: 0.012+/-0.000 χ^2/NDF : 5173061.2/107

- sign 0.012+/-0.000 χ^2/NDF : 2765107.8/54

yield_bpm4acX_mean vs Slug



Right In: -0.995 ± 0.000 χ^2/NDF : 404129191.2/27

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.017 ± 0.000 χ^2/NDF : 559267559.0/31

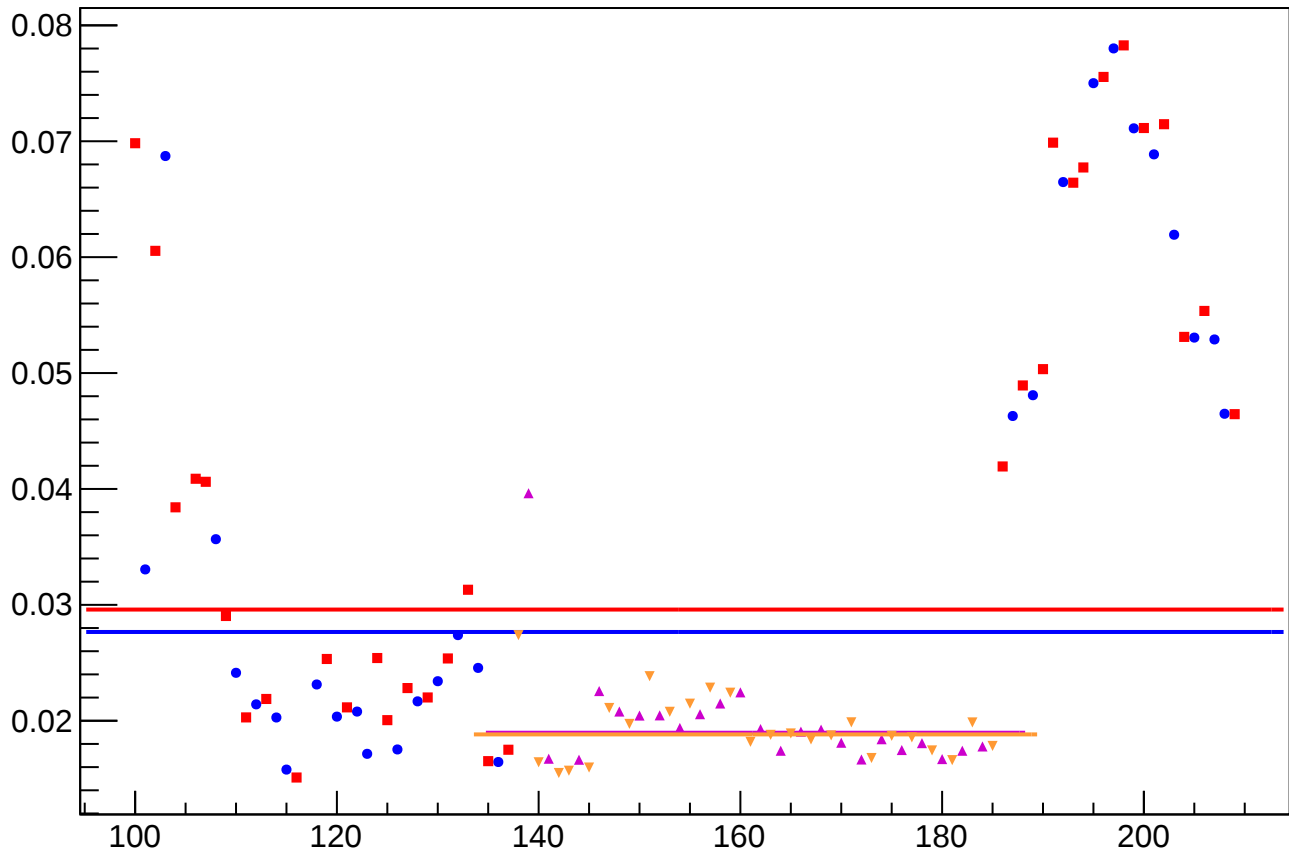
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.886 ± 0.000 χ^2/NDF : 796407379.3/52

All: -0.888 ± 0.000 χ^2/NDF : 1882506720.3/1

- sign -0.890 ± 0.000 χ^2/NDF : 1085494374.4/54

yield_bpm4acX_rms vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6382084.7/27

Left Out: 0.019+/-0.000 χ^2/NDF : 490509.4/24

Right Out: 0.030+/-0.000 χ^2/NDF : 6567035.1/31

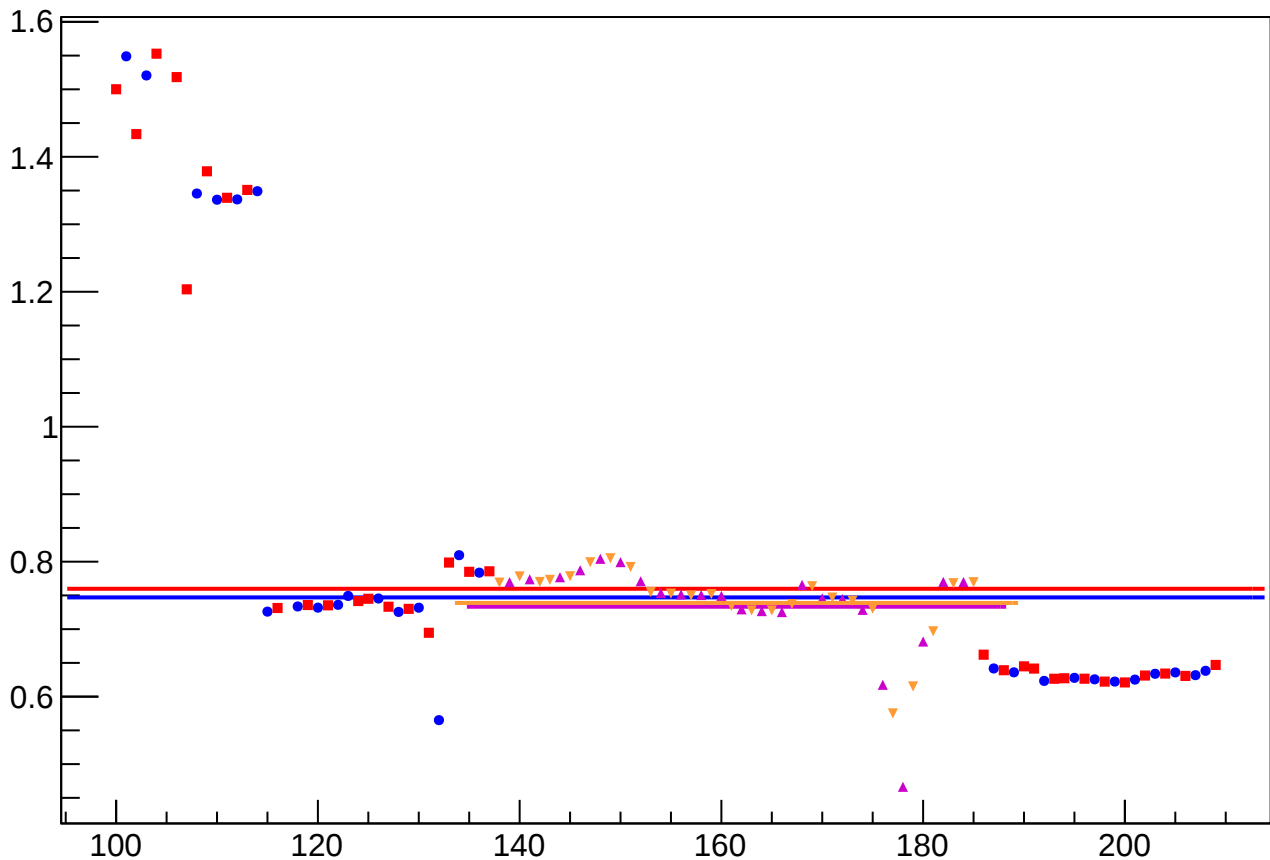
Left In: 0.019+/-0.000 χ^2/NDF : 615173.8/22

+ sign 0.021+/-0.000 χ^2/NDF : 8419104.0/52

All: 0.021+/-0.000 χ^2/NDF : 17776464.4/107

- sign 0.022+/-0.000 χ^2/NDF : 9334075.2/54

yield_bpm4acY_mean vs Slug



Right In: 0.747 $\pm$ 0.000 χ^2 /NDF: 3479864406.6/27

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

+ sign 0.742 $\pm$ 0.000 χ^2 /NDF: 3815622239.9/52

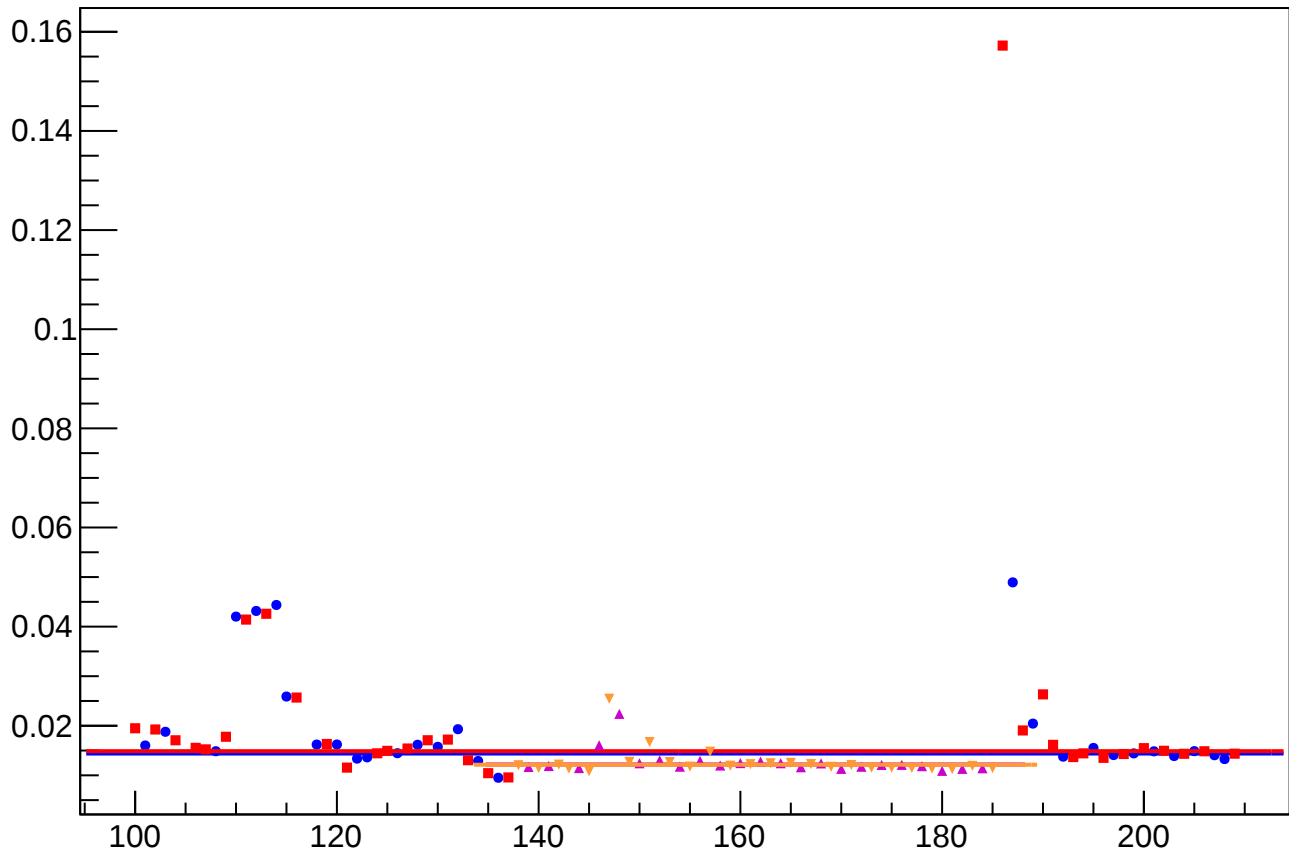
Right Out: 0.760 $\pm$ 0.000 χ^2 /NDF: 3806805472.3/31

All: 0.742 $\pm$ 0.000 χ^2 /NDF: 8220781341.8/10

- sign 0.743 $\pm$ 0.000 χ^2 /NDF: 4405042556.7/54

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1650610.7/27

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:637986.2/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2084796.2/31

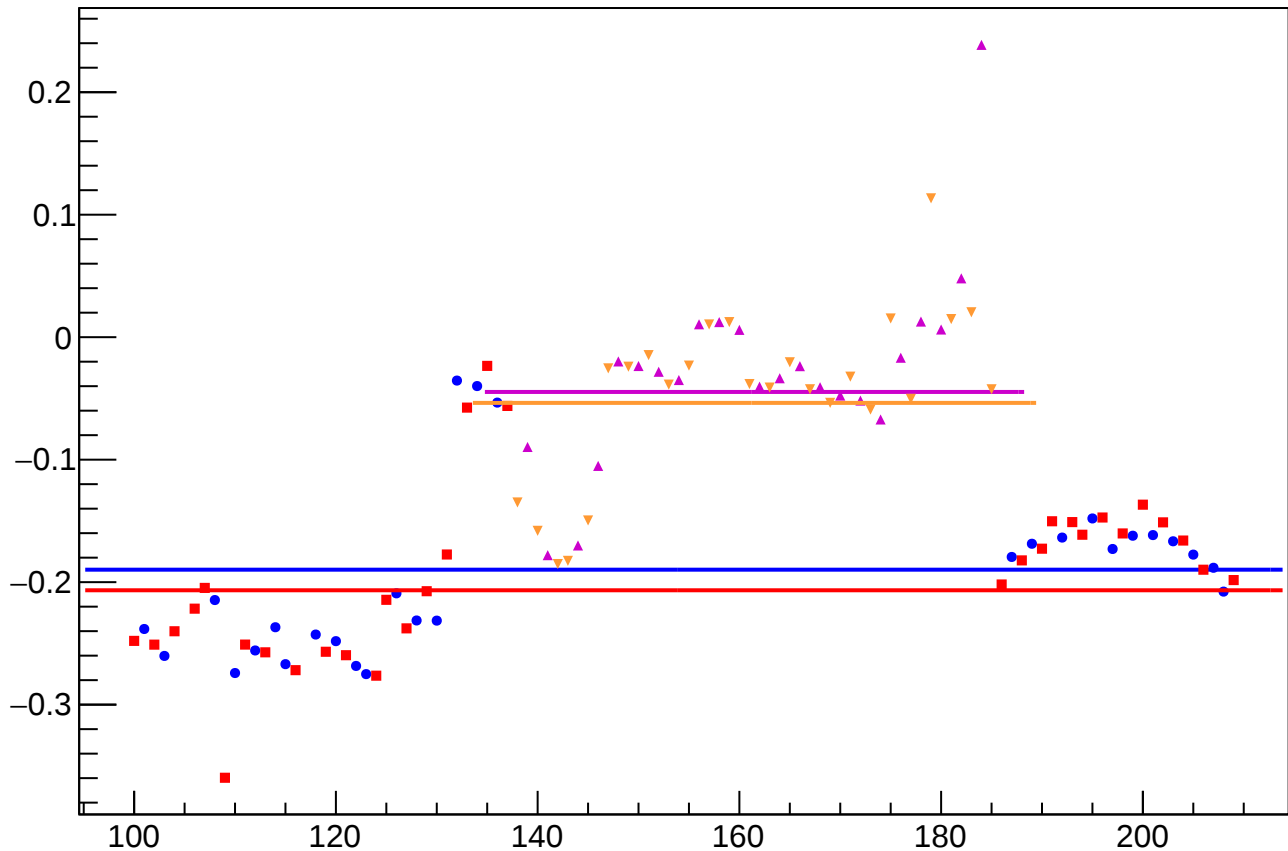
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2706177.8/52

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5865957.4/107

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3149197.7/54

yield_bpm4ecX_mean vs Slug



Right In: -0.190 ± 0.000 $\chi^2/\text{NDF}: 107260727.9/27$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167834173.6/24$

Right Out: -0.207 ± 0.000 $\chi^2/\text{NDF}: 114703772.5/31$

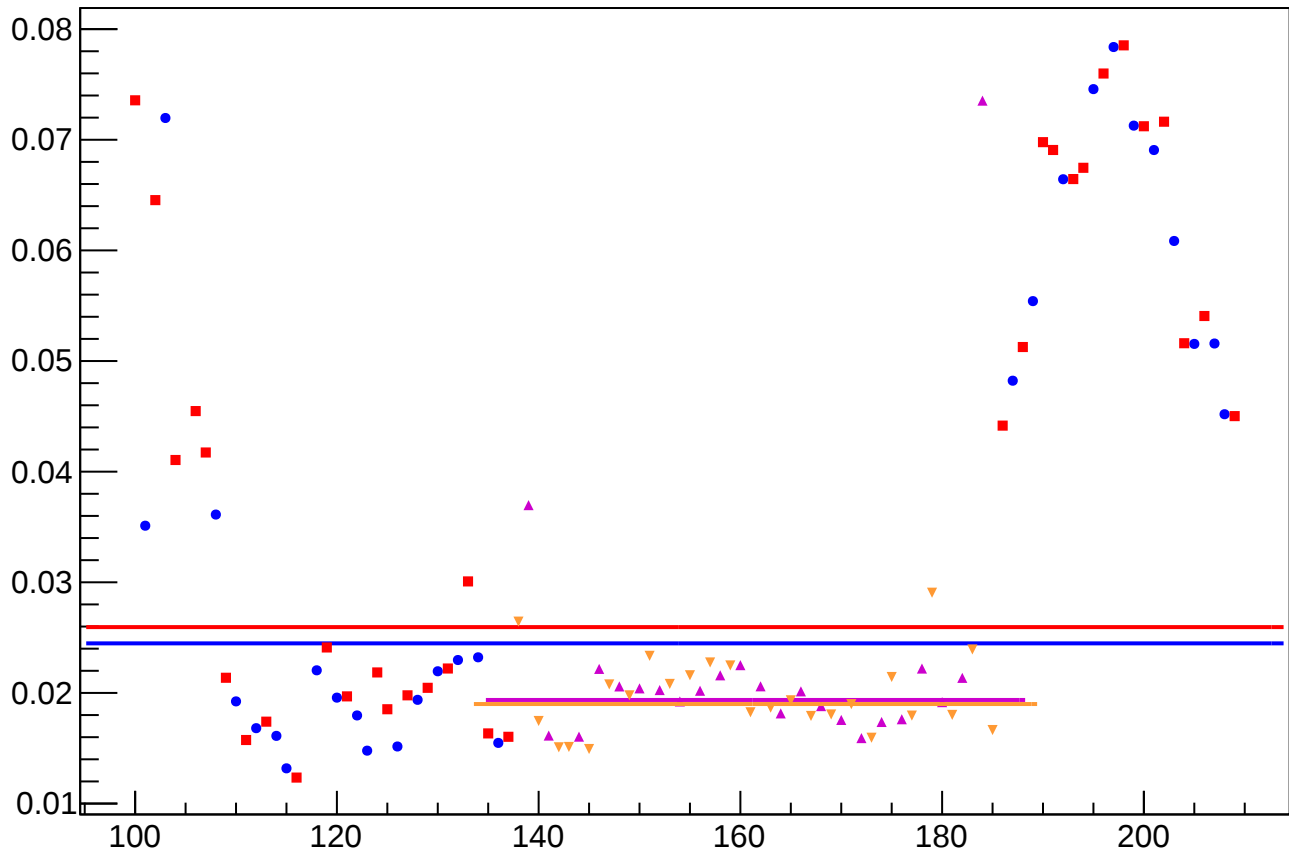
Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127192425.2/22$

+ sign -0.092 ± 0.000 $\chi^2/\text{NDF}: 484924135.9/52$

All: -0.092 ± 0.000 $\chi^2/\text{NDF}: 1011194912.0/1$

- sign -0.092 ± 0.000 $\chi^2/\text{NDF}: 526262659.4/54$

yield_bpm4ecX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 7433472.8/27

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:700229.7/24

Right Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 8038940.9/31

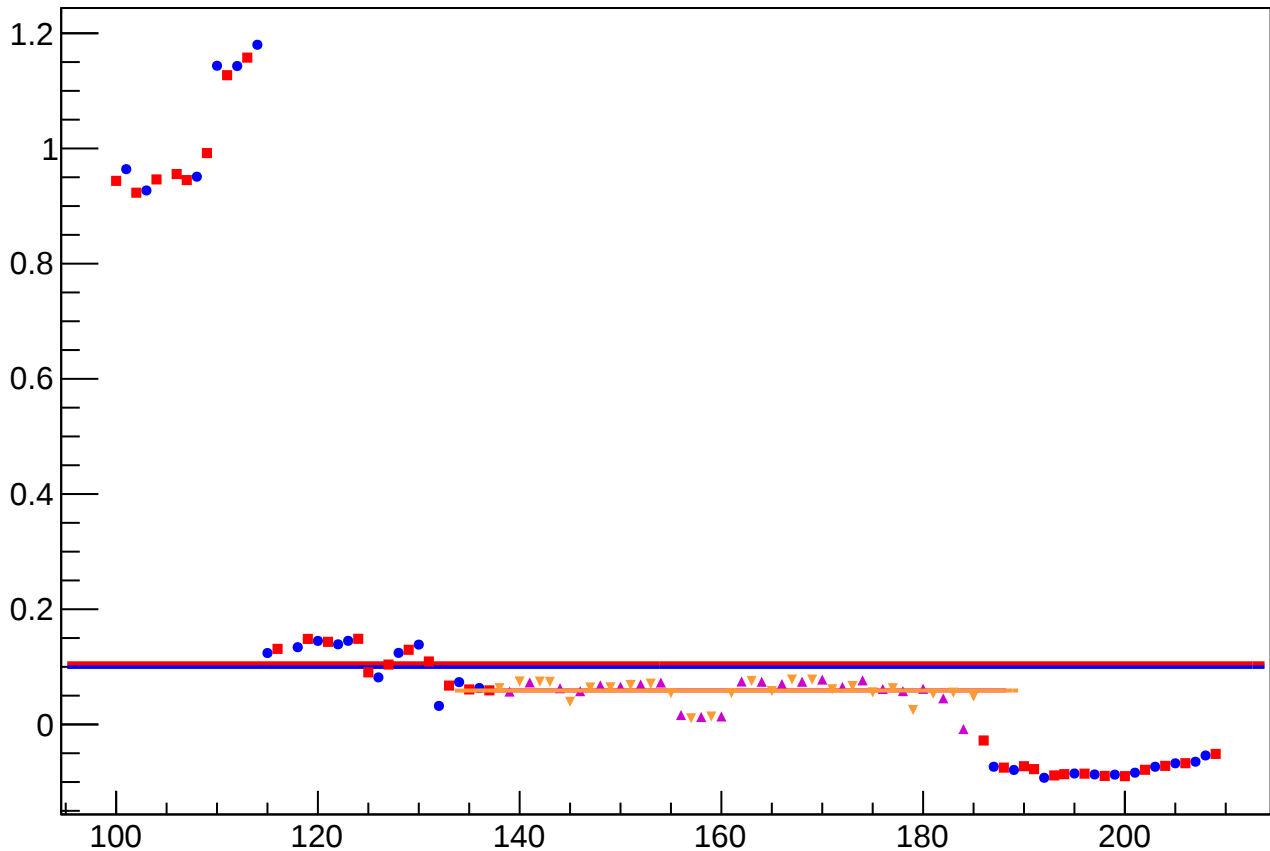
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:858216.8/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8814399.8/52

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 18684284.7/107

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9837831.3/54

yield_bpm4ecY_mean vs Slug



Right In: 0.100 $\pm$ 0.000 χ^2 /NDF: 8093261863.7/27

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:46821236.8/24

Right Out: 0.106 $\pm$ 0.000 χ^2 /NDF: 9090560362.1/31

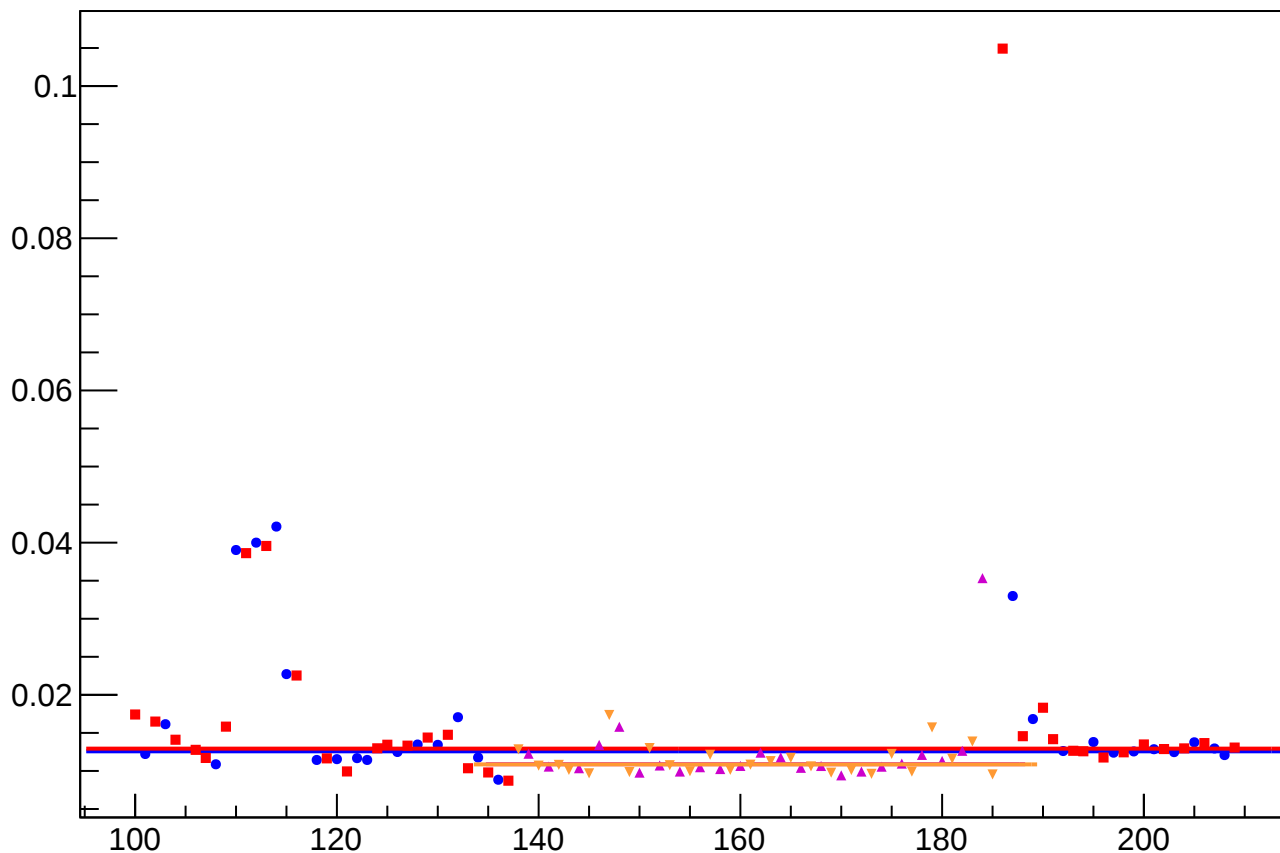
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF:58518655.0/22

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 8227978674.3/52

All: 0.075 $\pm$ 0.000 χ^2 /NDF: 17492746306.1/100

- sign 0.077 $\pm$ 0.000 χ^2 /NDF: 9263594104.6/54

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1490648.8/27

Left Out: 0.011+/-0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1898595.8/31

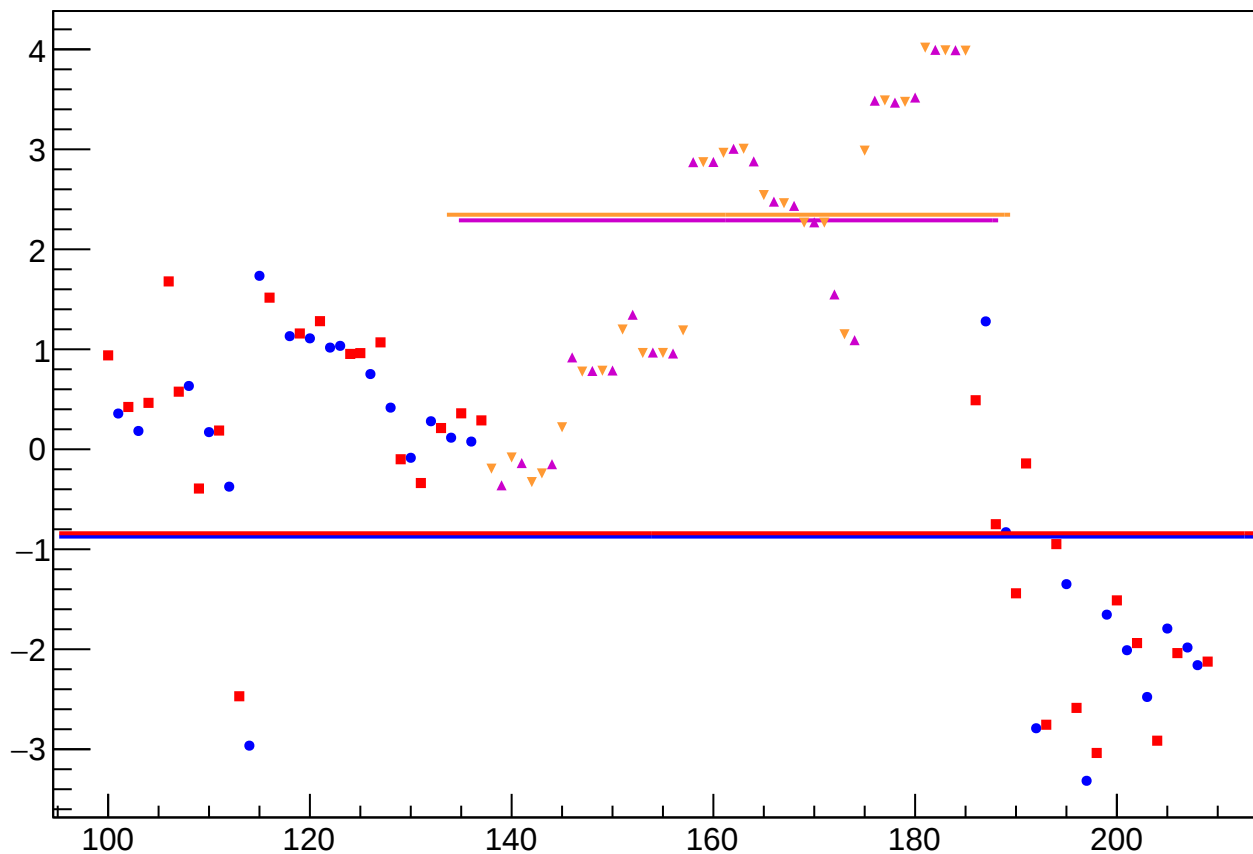
Left In: 0.011+/-0.000 χ^2/NDF : 530077.5/22

+ sign 0.011+/-0.000 χ^2/NDF : 2404377.8/52

All: 0.012+/-0.000 χ^2/NDF : 5270810.0/107

- sign 0.012+/-0.000 χ^2/NDF : 2859039.8/54

yield_bpm1X_mean vs Slug



Right In: -0.873 ± 0.000 χ^2/NDF : 6762294179.2/27

Left Out: 2.346 ± 0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.840 ± 0.000 χ^2/NDF : 8098051848.7/31

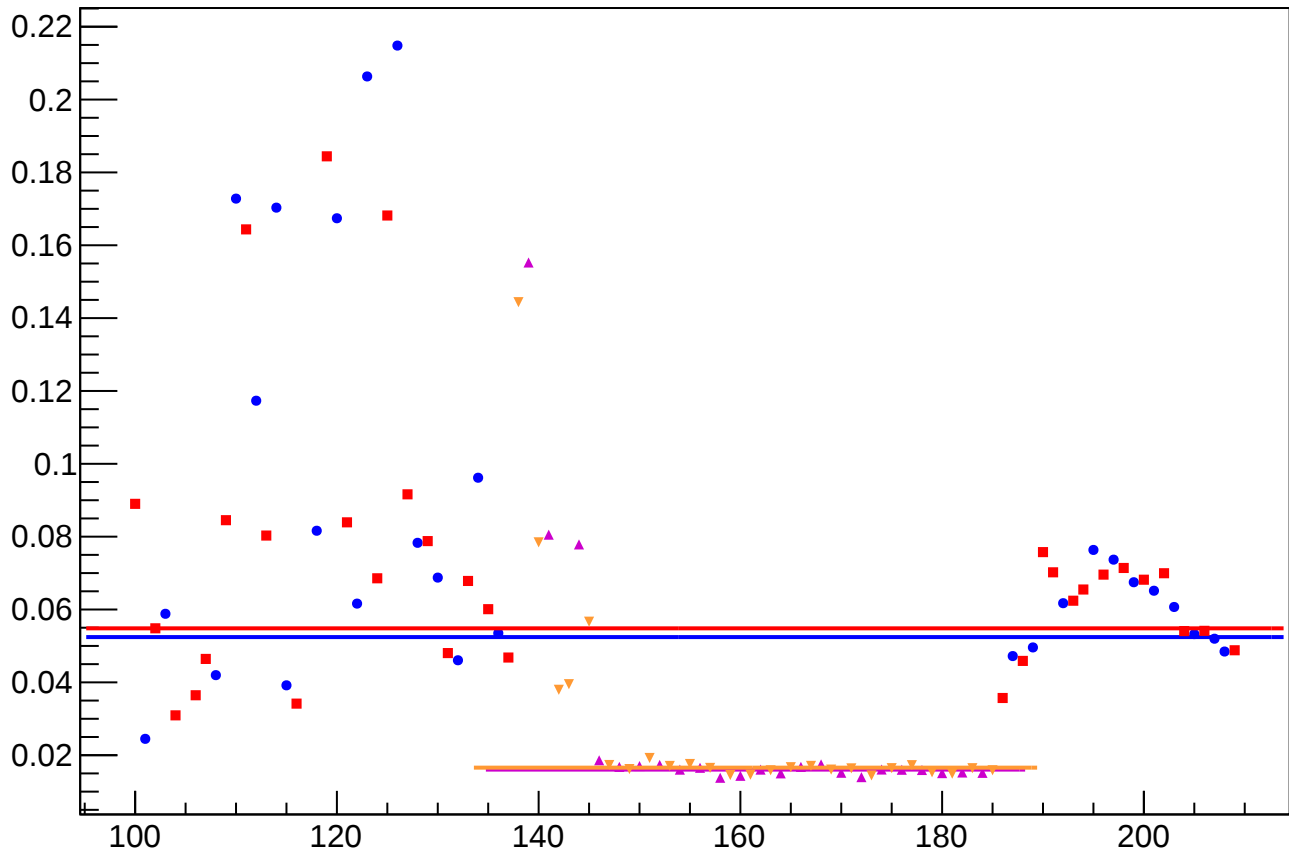
Left In: 2.290 ± 0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.121 ± 0.000 χ^2/NDF : 107189284297.7/52

All: 2.093 ± 0.000 χ^2/NDF : 212588491930.6

- sign 2.065 ± 0.000 χ^2/NDF : 105315074432.4/54

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3508264.3/27

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2859429.5/31

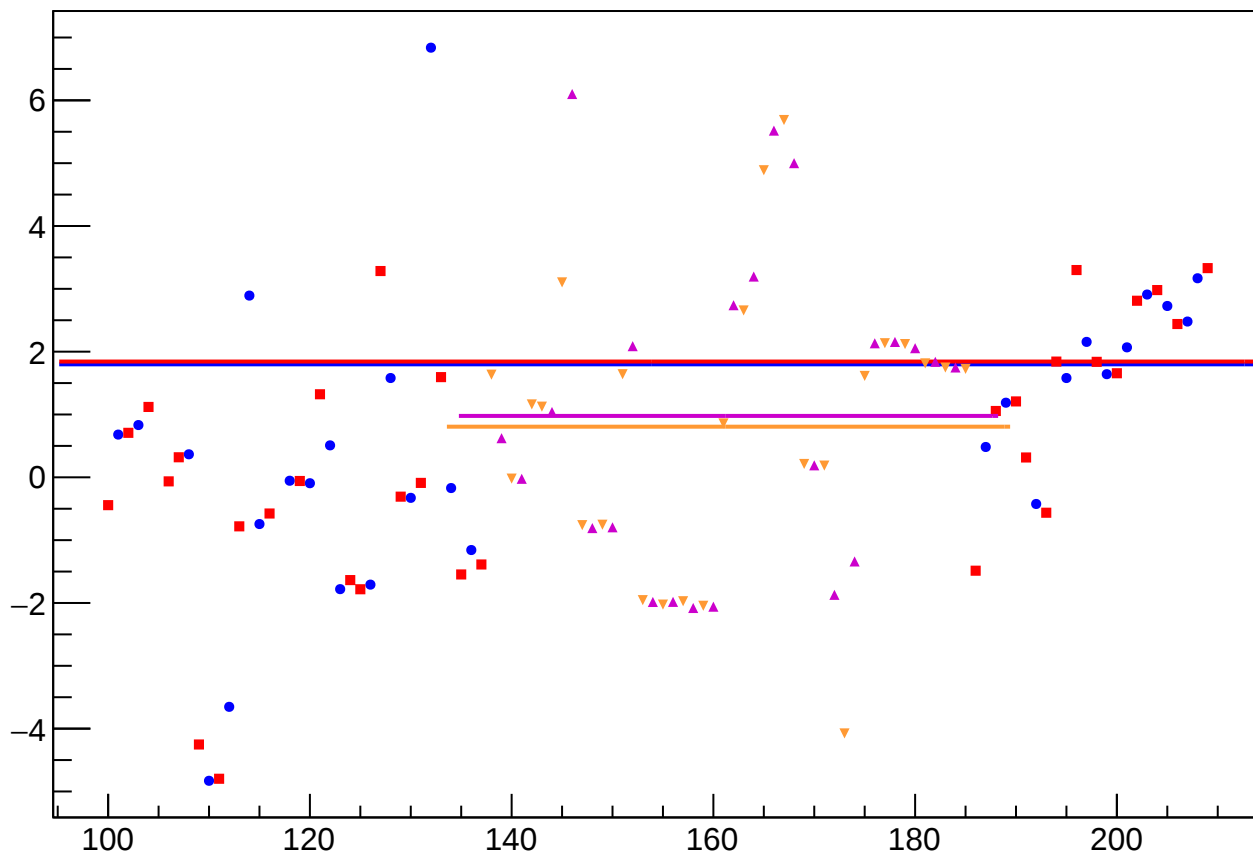
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 15289033.1/52

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 31709387.3/107

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 16416313.0/54

yield_bpm1Y_mean vs Slug



Right In: 1.798 $\pm$ 0.000 χ^2 /NDF: 36949959003.1/27

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF: 507578952196.2/24

Right Out: 1.843 $\pm$ 0.000 χ^2 /NDF: 39391902013.6/31

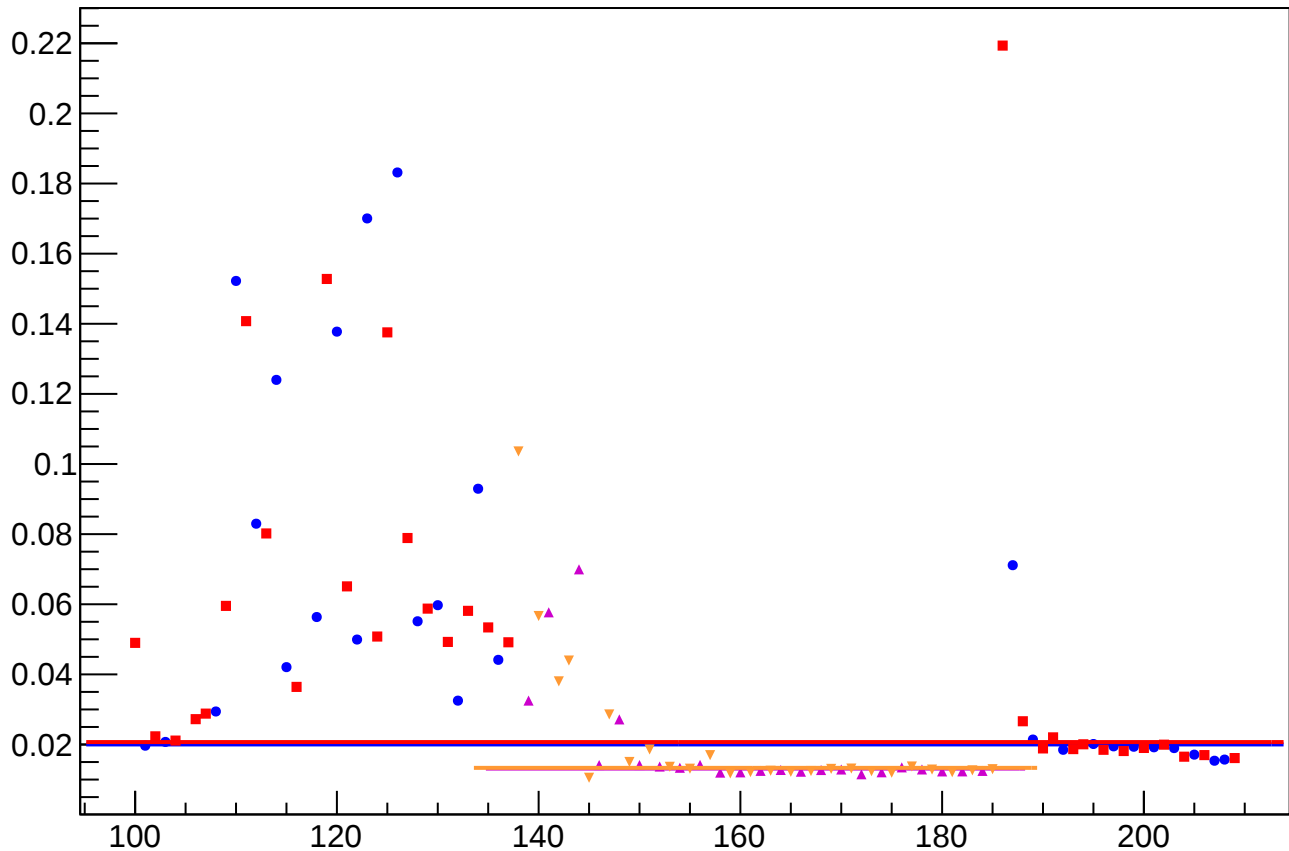
Left In: 0.977 $\pm$ 0.000 χ^2 /NDF: 568209676597.4/22

+ sign 1.023 $\pm$ 0.000 χ^2 /NDF: 562825515921.5/52

All: 1.097 $\pm$ 0.000 χ^2 /NDF: 1185729984900.

- sign 1.169 $\pm$ 0.000 χ^2 /NDF: 621740462162.8/54

yield_bpm1Y_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 4148797.9/27

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829753.9/24

Right Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 5143708.4/31

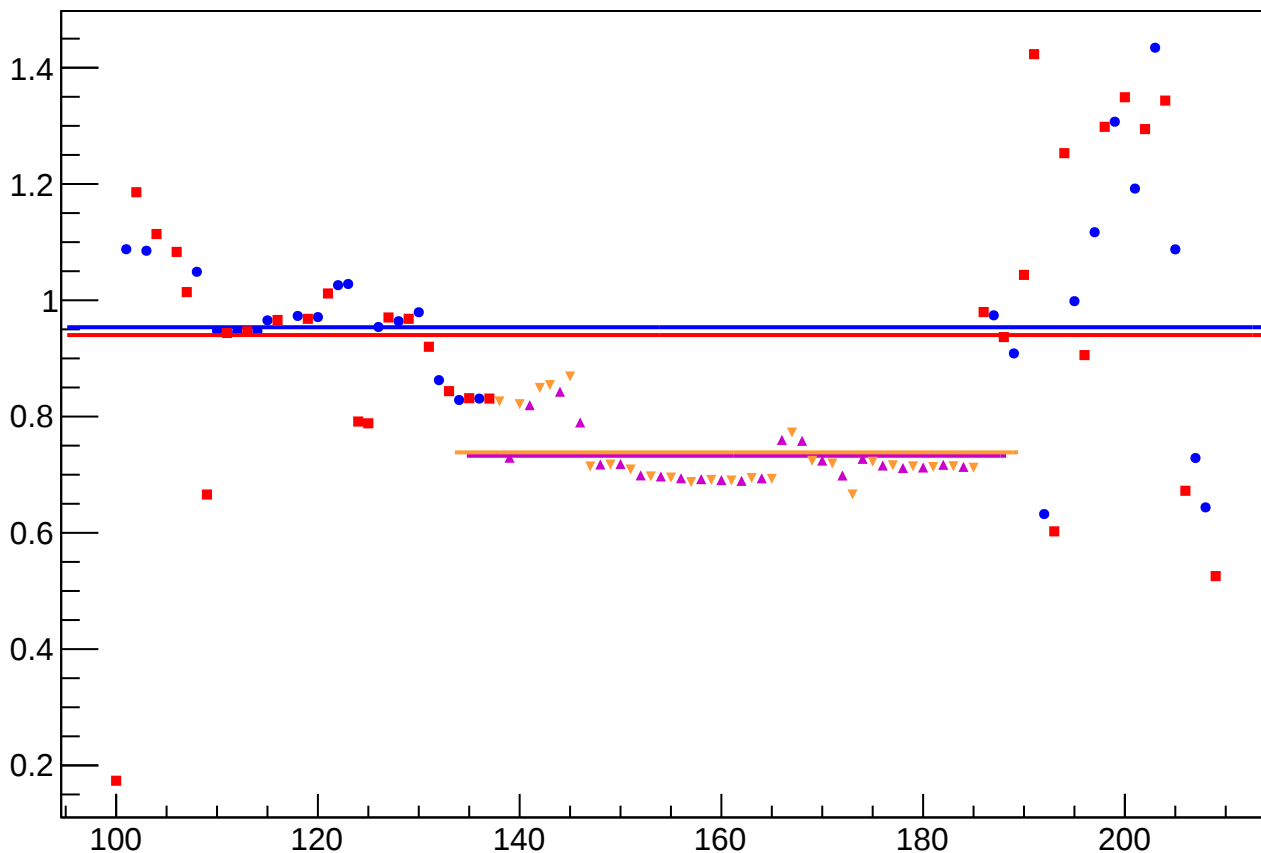
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1946693.6/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 8636912.7/52

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 17884910.6/107

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 9247978.9/54

yield_bpm11X_mean vs Slug



Right In: 0.954 $\pm$ 0.000 χ^2 /NDF: 673420113.3/27

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310195180.4/24

Right Out: 0.940 $\pm$ 0.000 χ^2 /NDF: 1128583970.9/31

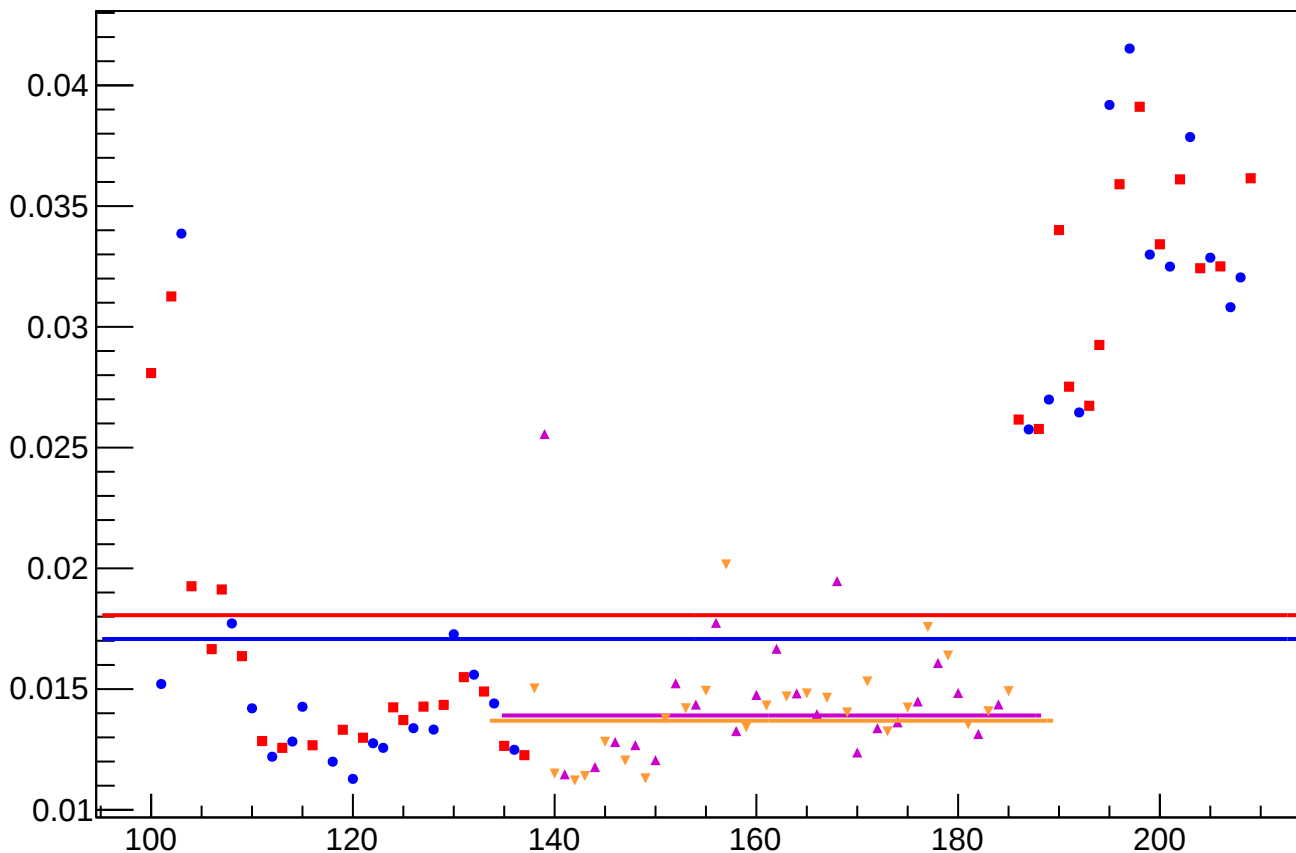
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:170102394.7/22

+ sign 0.804 $\pm$ 0.000 χ^2 /NDF: 2201853166.8/52

All: 0.802 $\pm$ 0.000 χ^2 /NDF: 4603112603.1/10

- sign 0.799 $\pm$ 0.000 χ^2 /NDF: 2399761630.7/54

yield_bpm11X_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 4596193.1/27

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:528480.6/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 4324622.6/31

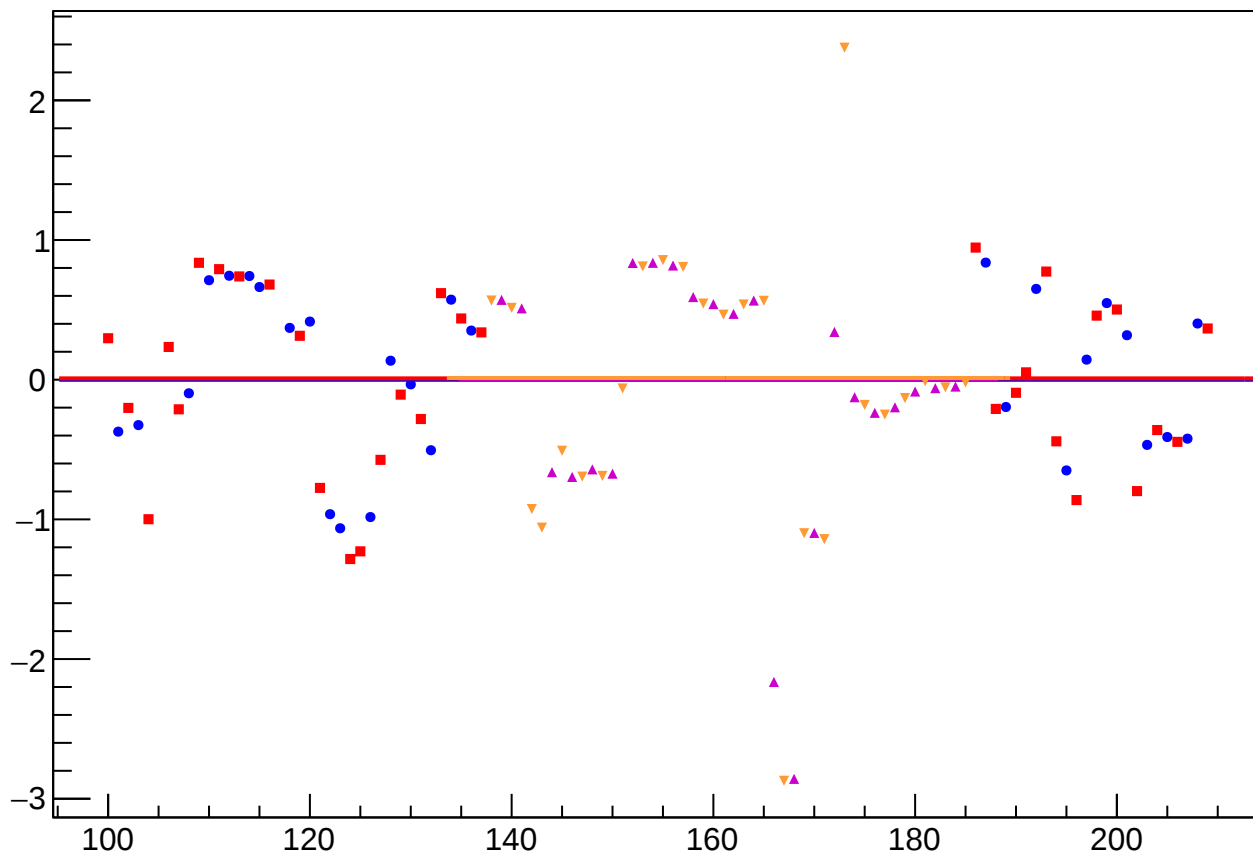
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:768161.9/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 5726879.8/52

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 11732928.1/107

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 5974046.5/54

yield_bpm11Y_mean vs Slug



Right In: -0.001 ± 0.000 χ^2/NDF : 20234740039.1/27

Left Out: 0.012 ± 0.000 χ^2/NDF : 96383858927.1/24

Right Out: 0.010 ± 0.000 χ^2/NDF : 30020851067.6/31

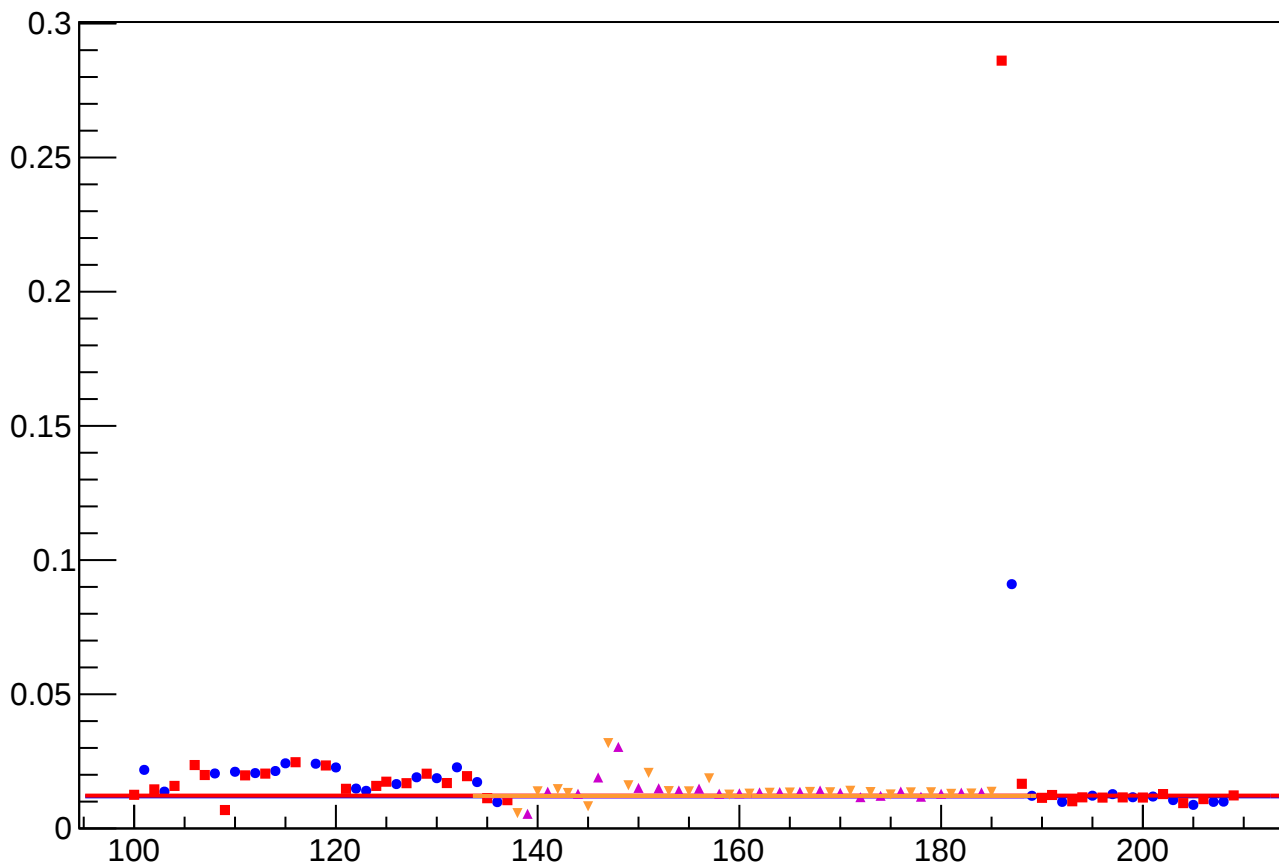
Left In: 0.003 ± 0.000 χ^2/NDF : 78826489573.0/22

+ sign 0.007 ± 0.000 χ^2/NDF : 116626573511.2/52

All: 0.006 ± 0.000 χ^2/NDF : 225475886748.7

- sign 0.006 ± 0.000 χ^2/NDF : 108849265729.7/54

yield_bpm11Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2362321.9/27

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 2680003.1/31

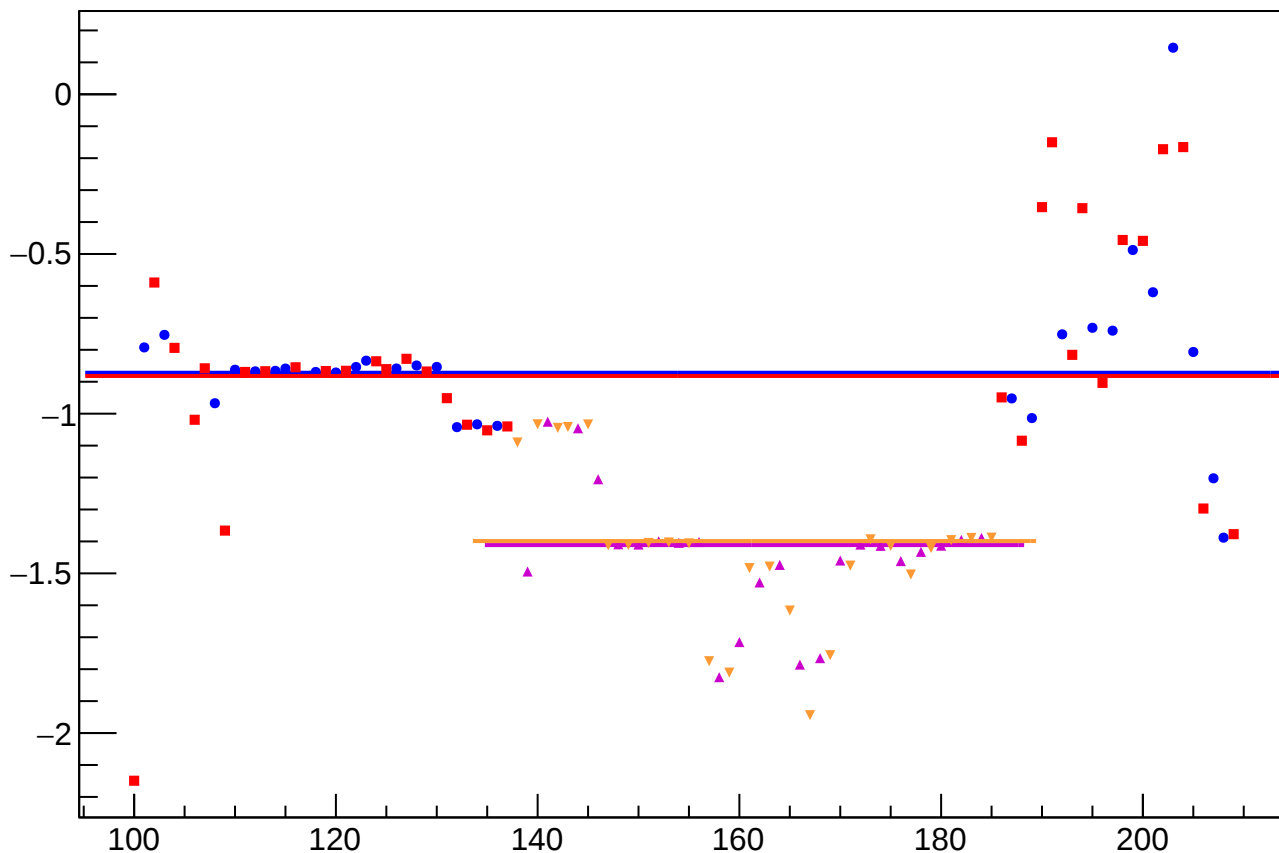
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5469731.3/52

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11159611.3/107

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5689046.4/54

yield_bpm12X_mean vs Slug



Right In: -0.872 ± 0.000 $\chi^2/\text{NDF}: 211394767.0/27$

Left Out: -1.399 ± 0.000 $\chi^2/\text{NDF}: 738251911.1/24$

Right Out: -0.882 ± 0.000 $\chi^2/\text{NDF}: 418595009.9/31$

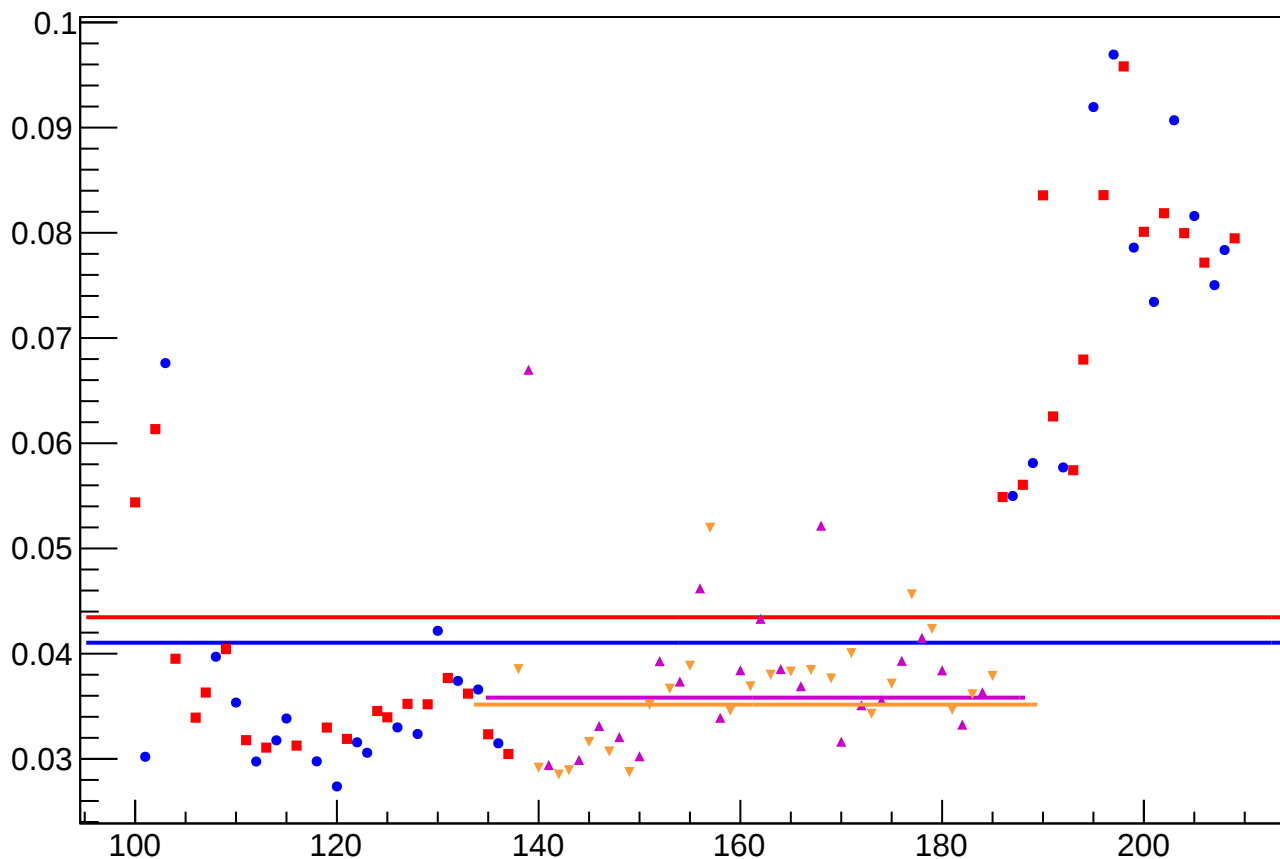
Left In: -1.411 ± 0.000 $\chi^2/\text{NDF}: 512547995.0/22$

+ sign -1.220 ± 0.000 $\chi^2/\text{NDF}: 2171218262.3/52$

All: -1.221 ± 0.000 $\chi^2/\text{NDF}: 4298490143.5/1$

- sign -1.222 ± 0.000 $\chi^2/\text{NDF}: 2127244761.7/54$

yield_bpm12X_rms vs Slug



Right In: 0.041 $\pm$ 0.000 χ^2 /NDF: 4283912.9/27

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:595219.5/24

Right Out: 0.043 $\pm$ 0.000 χ^2 /NDF: 3802708.1/31

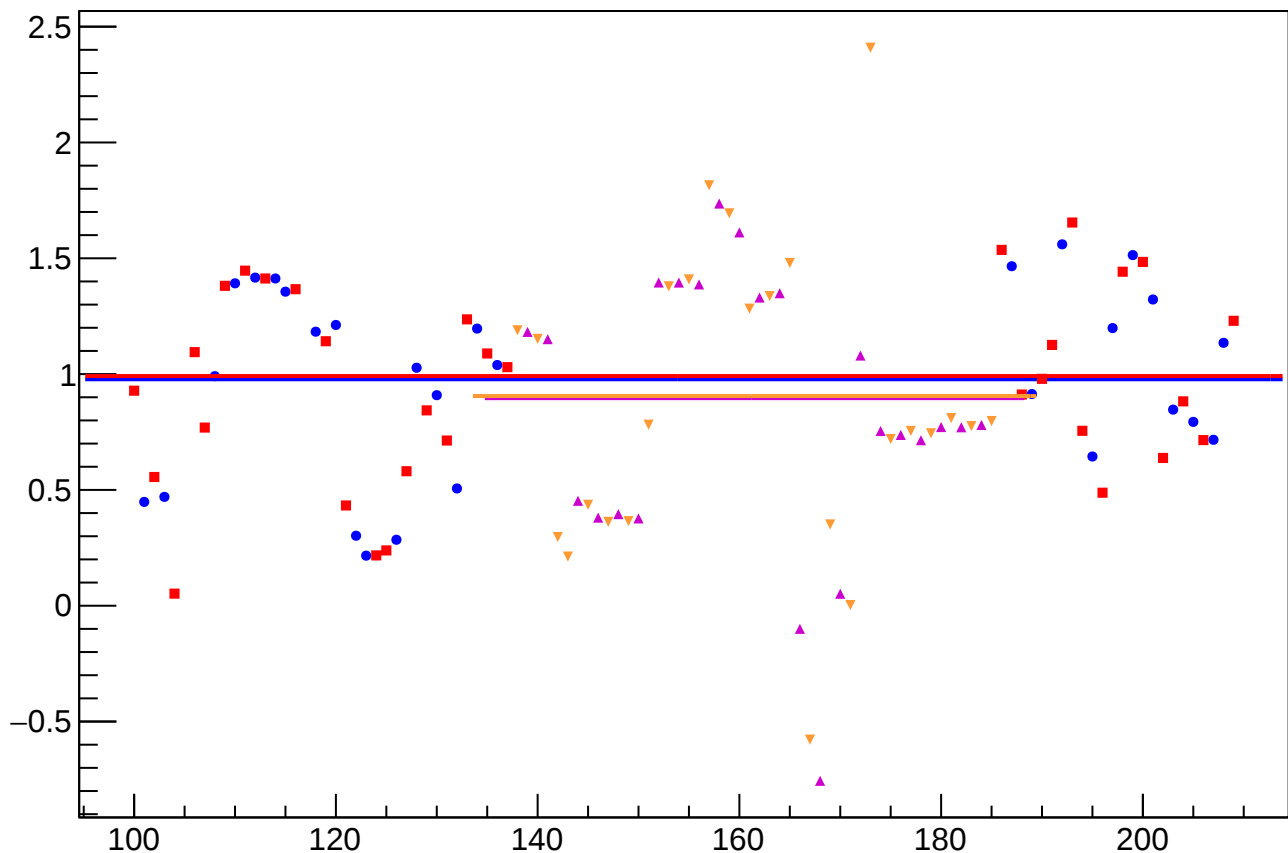
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:864147.6/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 5183266.5/52

All: 0.038 $\pm$ 0.000 χ^2 /NDF: 10385752.0/107

- sign 0.039 $\pm$ 0.000 χ^2 /NDF: 5164994.5/54

yield_bpm12Y_mean vs Slug



Right In: 0.978+/-0.000 χ^2/NDF : 22898691129.0/27

Left Out: 0.905+/-0.000 χ^2/NDF : 84265726513.8/24

Right Out: 0.992+/-0.000 χ^2/NDF : 28326949999.0/31

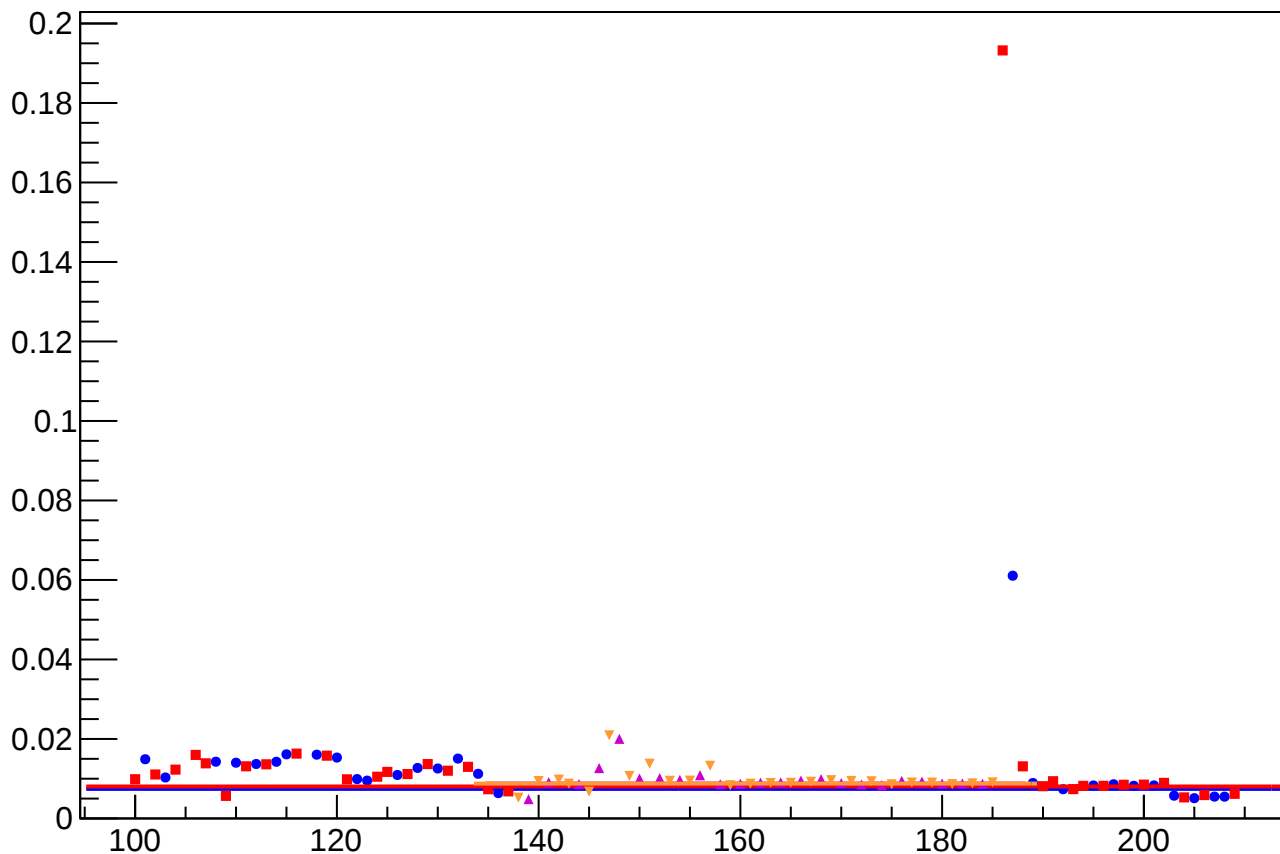
Left In: 0.896+/-0.000 χ^2/NDF : 66594200889.6/22

+ sign 0.941+/-0.000 χ^2/NDF : 107732867598.7/52

All: 0.942+/-0.000 χ^2/NDF : 203576987808.0

- sign 0.943+/-0.000 χ^2/NDF : 95843054578.7/54

yield_bpm12Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 3206048.0/27

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1697568.1/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3246228.6/31

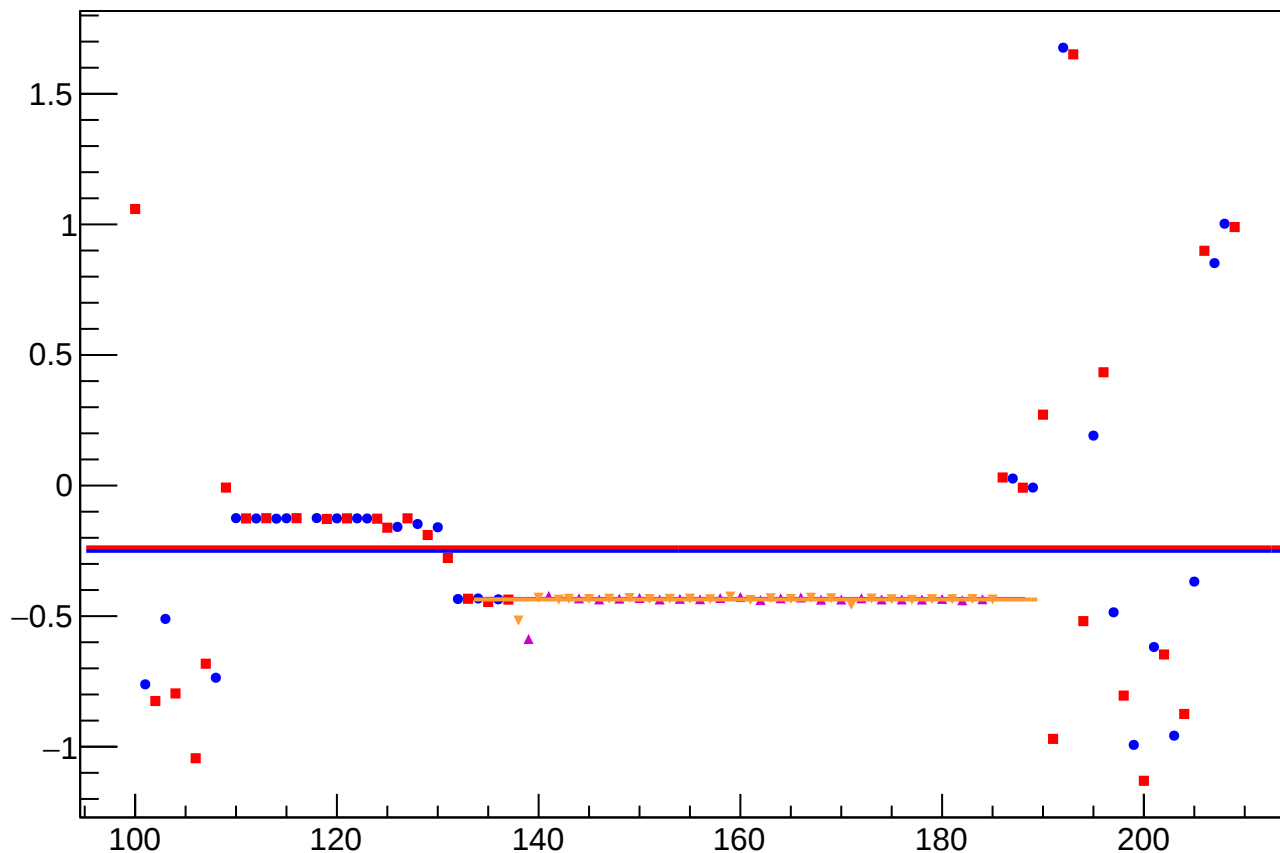
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 5291710.0/52

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 10291131.4/107

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 4963279.9/54

yield_bpm16X_mean vs Slug



Right In: -0.250 ± 0.000 χ^2/NDF : 3168139372.1/27

Left Out: -0.436 ± 0.000 χ^2/NDF : 28774660.0/24

Right Out: -0.237 ± 0.000 χ^2/NDF : 3261489466.0/31

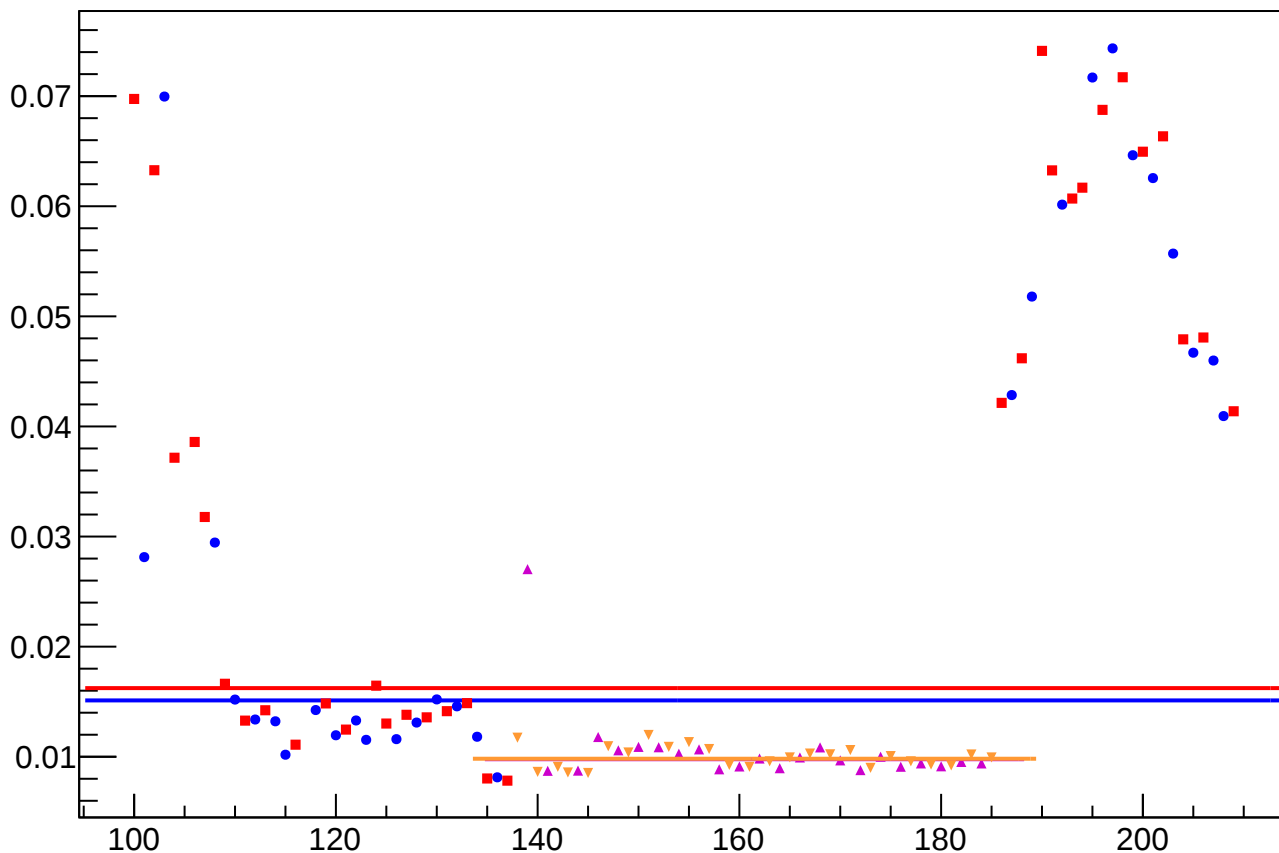
Left In: -0.434 ± 0.000 χ^2/NDF : 23984173.0/22

+ sign -0.404 ± 0.000 χ^2/NDF : 4183865661.1/52

All: -0.401 ± 0.000 χ^2/NDF : 8517452989.5/1

- sign -0.399 ± 0.000 χ^2/NDF : 4331844025.2/54

yield_bpm16X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 10203407.9/27

Left Out: 0.010+/-0.000 χ^2/NDF : 269242.6/24

Right Out: 0.016+/-0.000 χ^2/NDF : 11119844.2/31

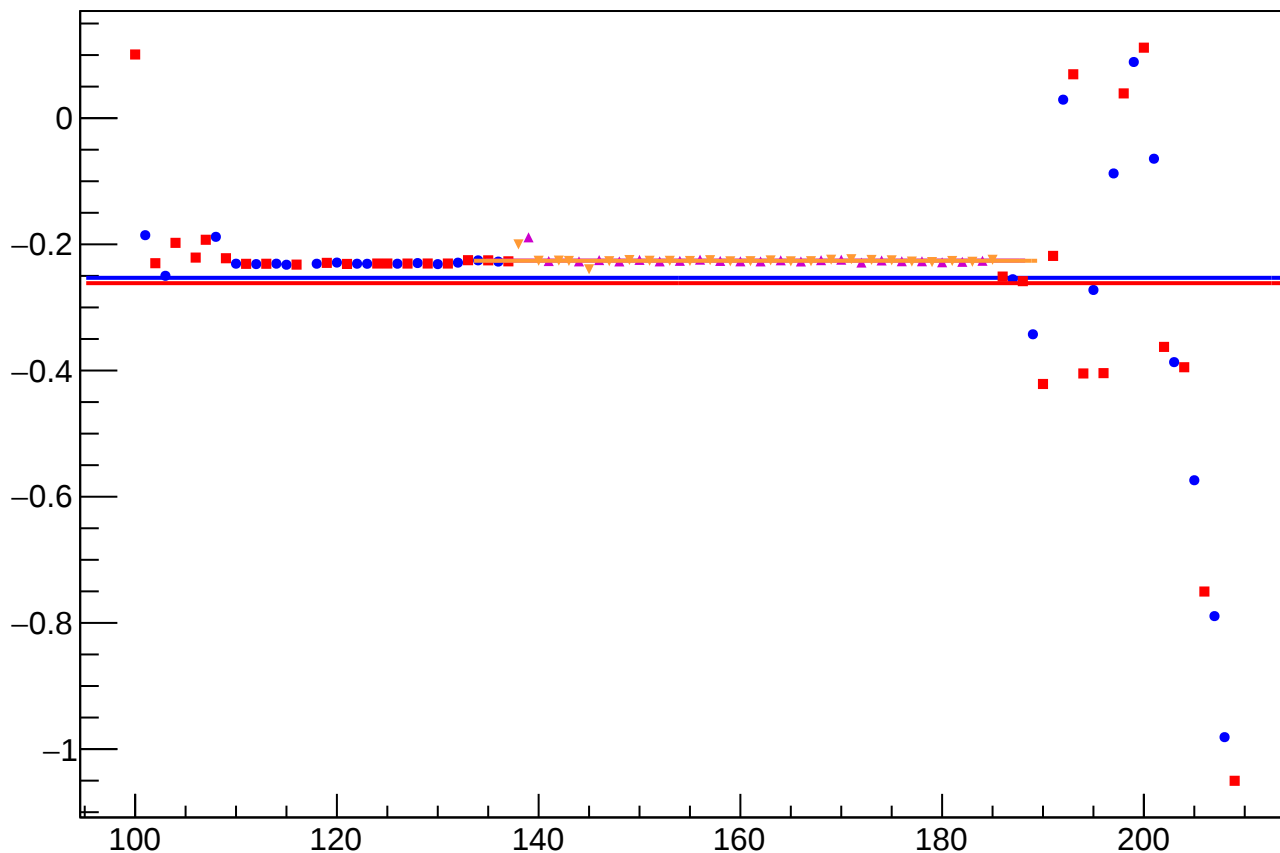
Left In: 0.010+/-0.000 χ^2/NDF : 747550.0/22

+ sign 0.011+/-0.000 χ^2/NDF : 12066928.8/52

All: 0.011+/-0.000 χ^2/NDF : 26179683.2/107

- sign 0.011+/-0.000 χ^2/NDF : 14107582.5/54

yield_bpm16Y_mean vs Slug



Right In: -0.253+/-0.000 χ^2/NDF : 22442082989.6/27

Left Out: -0.226+/-0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.262+/-0.000 χ^2/NDF : 23635279682.3/31

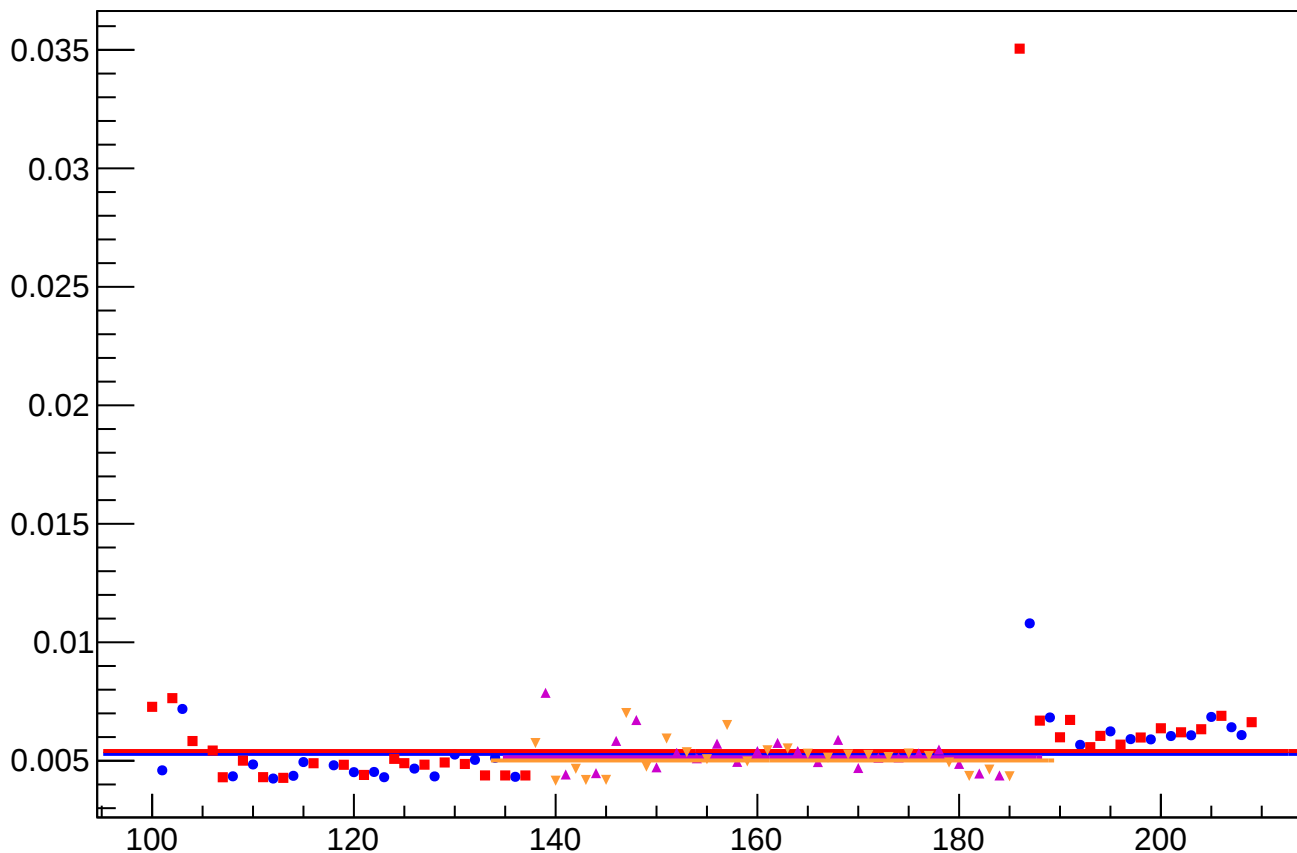
Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

+ sign -0.237+/-0.000 χ^2/NDF : 22666192167.7/52

All: -0.239+/-0.000 χ^2/NDF : 46675366793.4/100

- sign -0.242+/-0.000 χ^2/NDF : 23997730859.2/54

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 776653.8/27

Left Out: 0.005+/-0.000 χ^2/NDF : 530632.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1303747.5/31

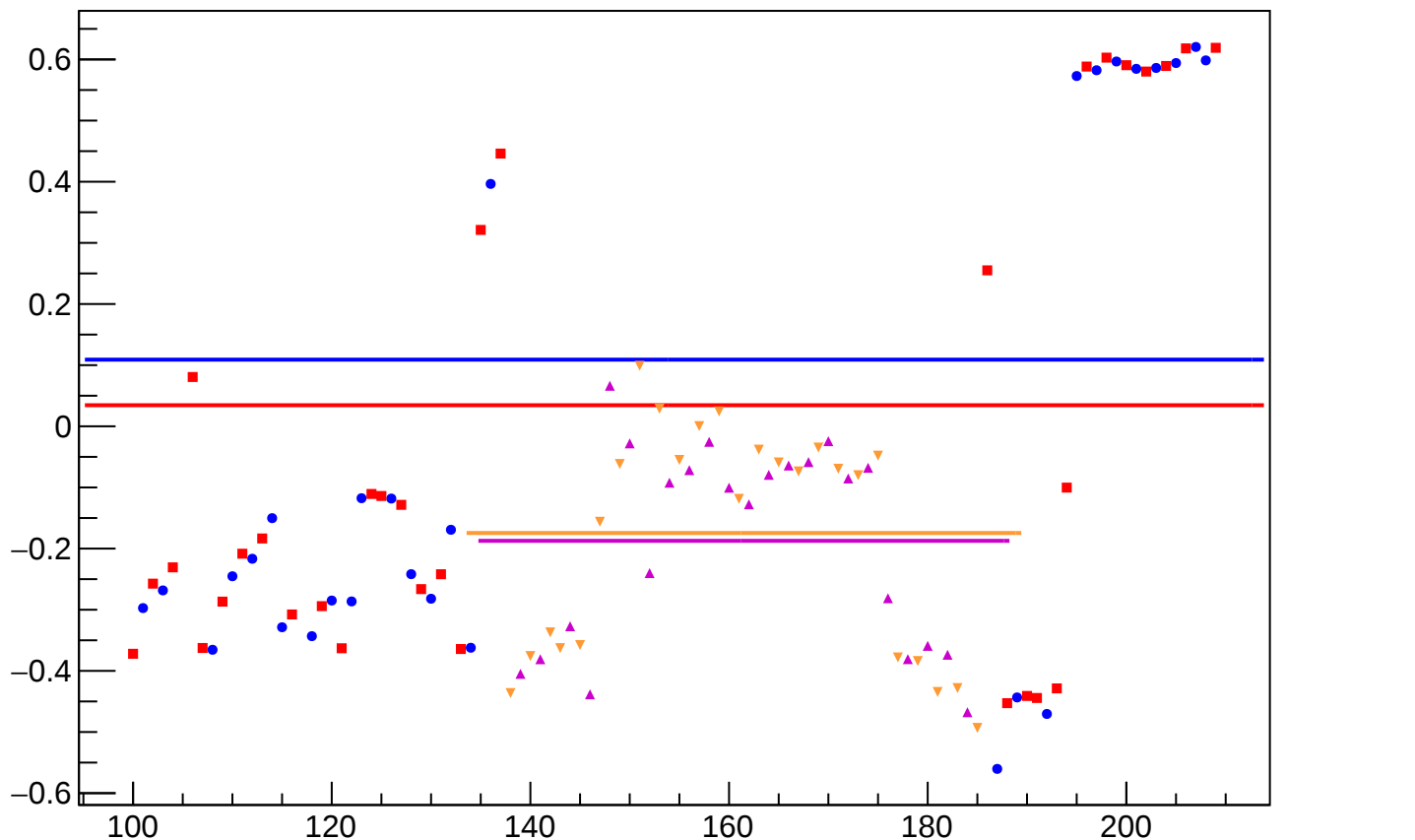
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 1350248.0/52

All: 0.005+/-0.000 χ^2/NDF : 3206063.4/107

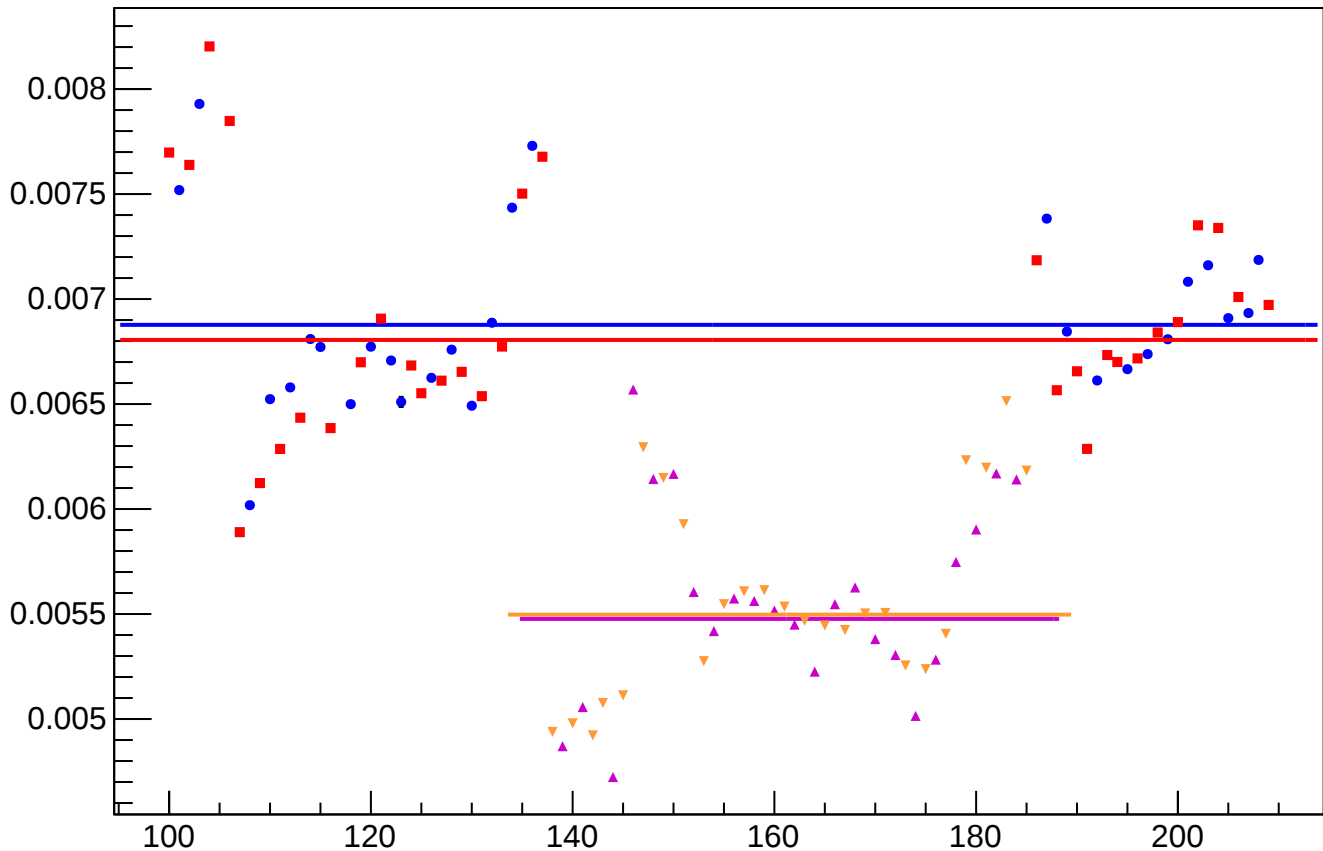
- sign 0.005+/-0.000 χ^2/NDF : 1834821.1/54

yield_bpm0i02X_mean vs Slug



Right In: 0.109+/-0.000	χ^2/NDF : 60427656711.2/27	+ sign -0.077+/-0.000	χ^2/NDF : 94346613840.1/52
Left Out: -0.174+/-0.000	χ^2/NDF : 18025533236.1/24	All: -0.090+/-0.000	χ^2/NDF : 177564165165.5
Right Out: 0.034+/-0.000	χ^2/NDF : 59906731283.5/31	- sign -0.103+/-0.000	χ^2/NDF : 82926335991.8/54
Left In: -0.187+/-0.000	χ^2/NDF : 12816646575.4/22		

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 91502.6/27

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:198746.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 130948.6/31

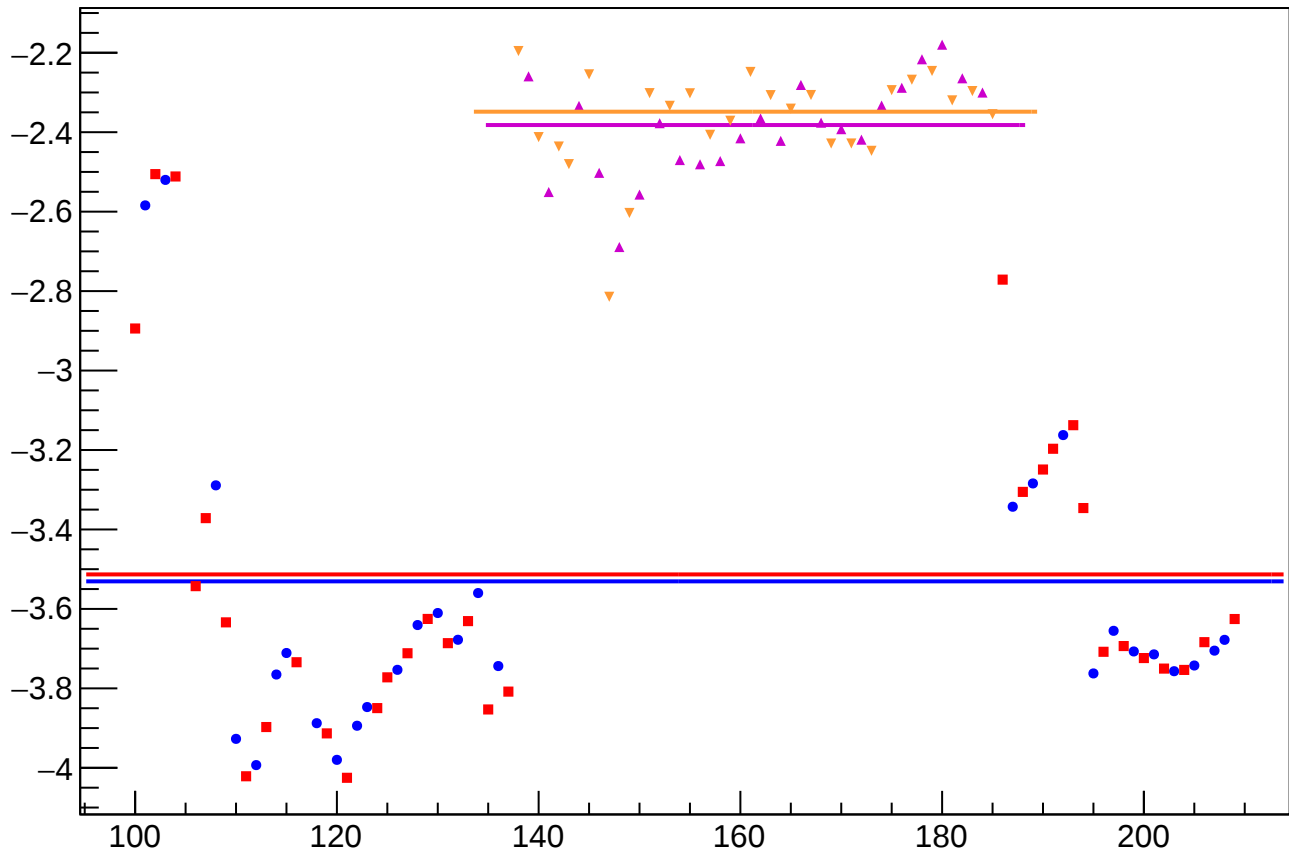
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:202181.4/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1043313.3/52

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 2109007.3/107

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1065587.8/54

yield_bpm0i02Y_mean vs Slug



Right In: -3.531 ± 0.000 χ^2/NDF : 30026680080.3/27

Left Out: -2.348 ± 0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.513 ± 0.000 χ^2/NDF : 30883467884.2/31

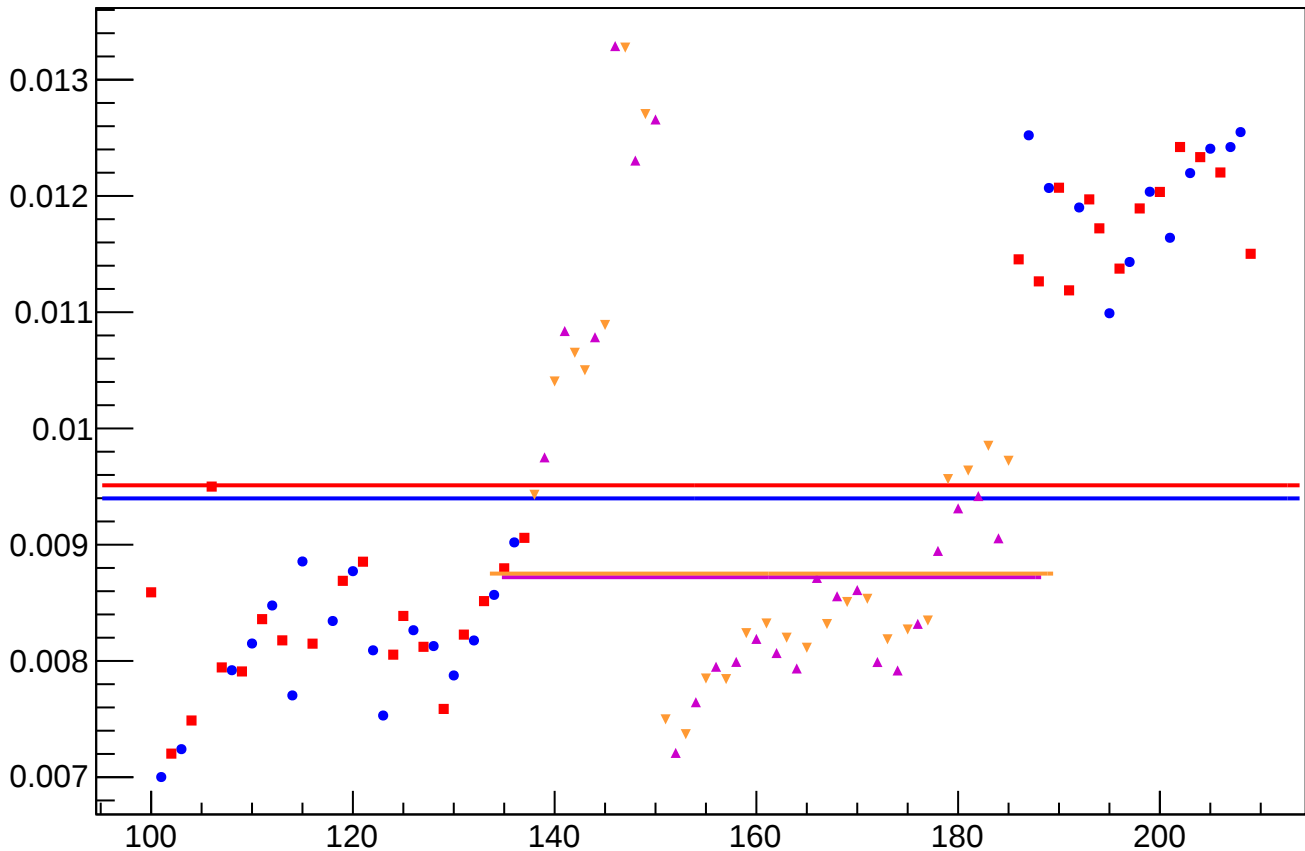
Left In: -2.382 ± 0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.828 ± 0.000 χ^2/NDF : 159752130194.3/52

All: -2.851 ± 0.000 χ^2/NDF : 311975798404.0

- sign -2.873 ± 0.000 χ^2/NDF : 151833873459.1/54

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1143553.9/27

Left Out: 0.009+/-0.000 χ^2/NDF : 663672.8/24

Right Out: 0.010+/-0.000 χ^2/NDF : 1110534.8/31

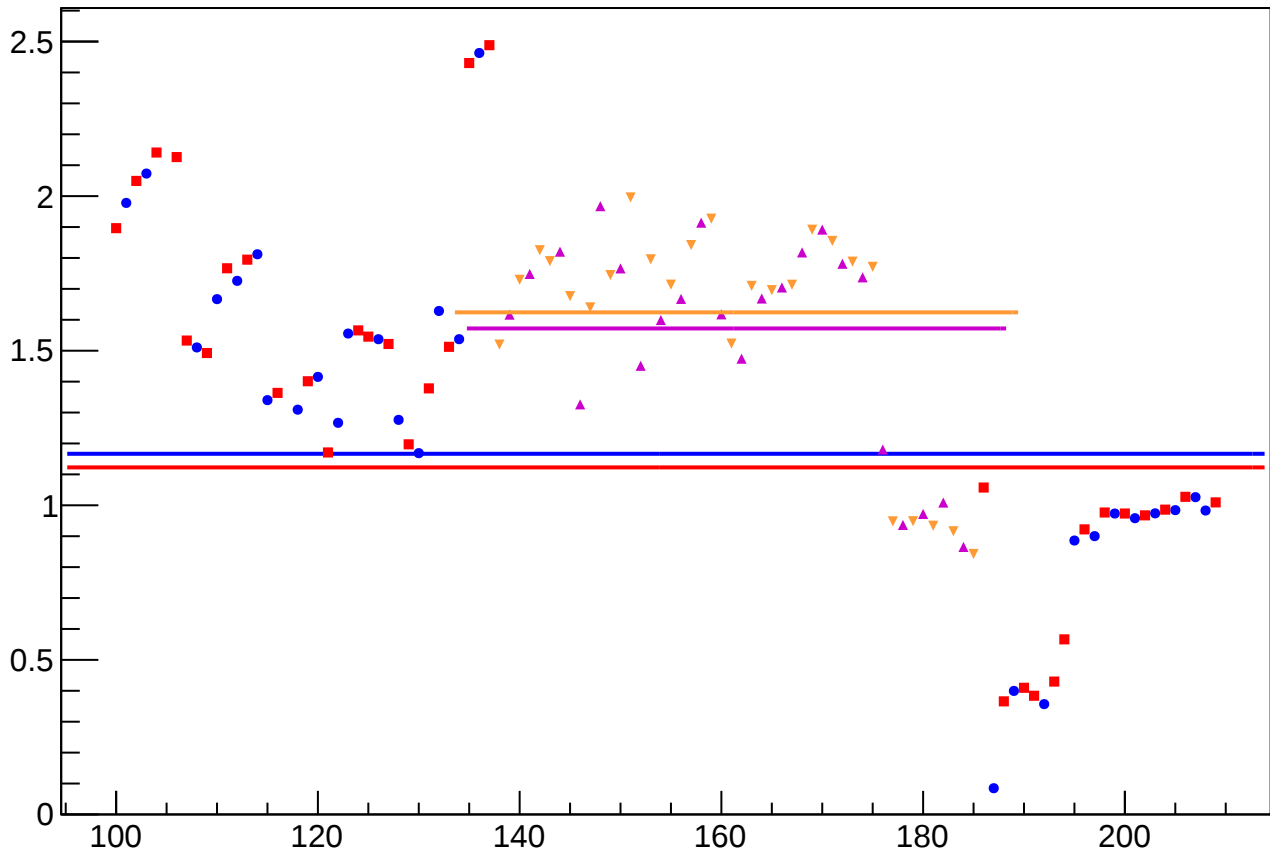
Left In: 0.009+/-0.000 χ^2/NDF : 747867.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 1883606.4/52

All: 0.009+/-0.000 χ^2/NDF : 3858778.9/107

- sign 0.009+/-0.000 χ^2/NDF : 1974226.1/54

yield_bpm0i02aX_mean vs Slug



Right In: 1.167 $\pm$ 0.000 χ^2 /NDF: 27574124337.8/27

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 16631112386.4/24

Right Out: 1.123 $\pm$ 0.000 χ^2 /NDF: 32711975557.0/31

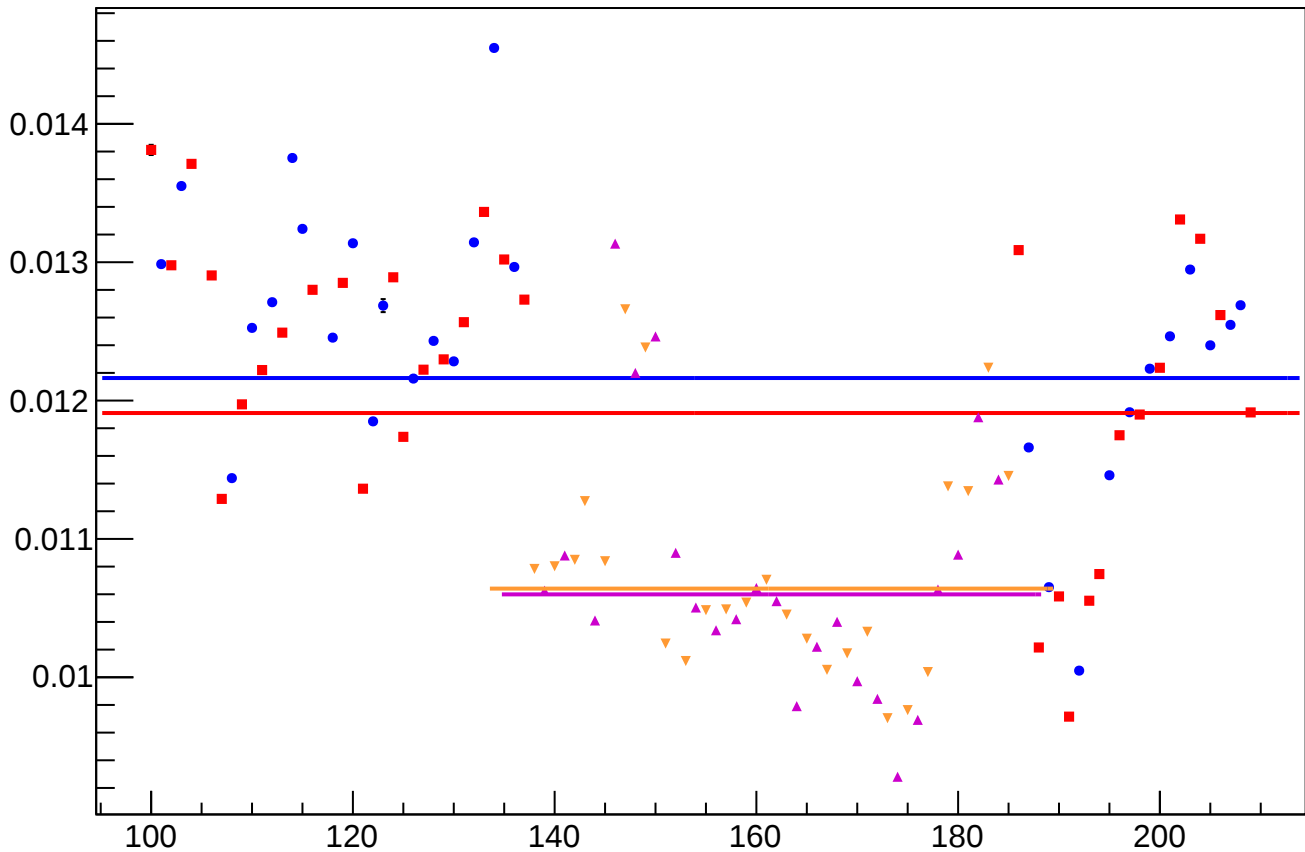
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.451 $\pm$ 0.000 χ^2 /NDF: 56594141821.0/52

All: 1.416 $\pm$ 0.000 χ^2 /NDF: 116750534793.9

- sign 1.382 $\pm$ 0.000 χ^2 /NDF: 59559555832.4/54

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 +/- 0.000 χ^2/NDF : 169147.9/27

Left Out: 0.011 +/- 0.000 χ^2/NDF : 159760.9/24

Right Out: 0.012 +/- 0.000 χ^2/NDF : 231027.2/31

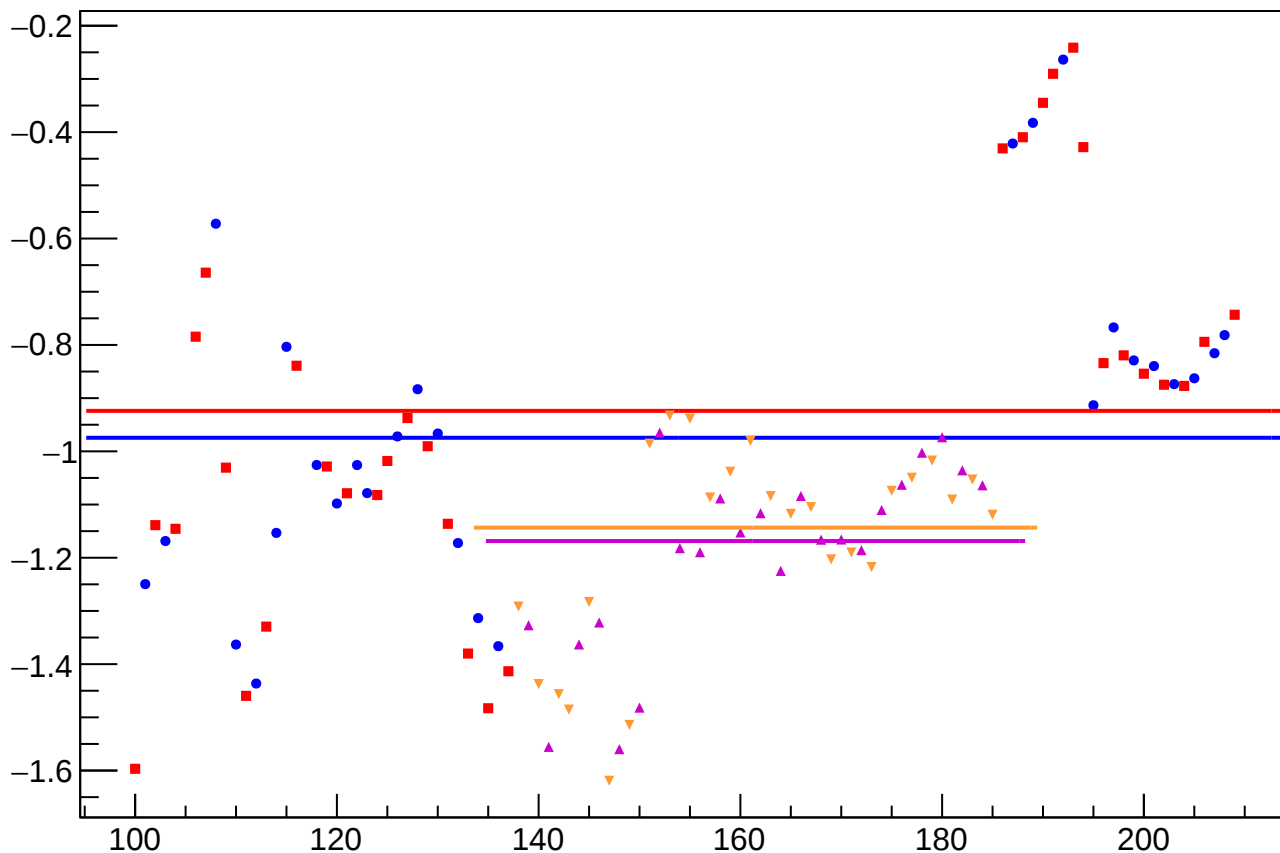
Left In: 0.011 +/- 0.000 χ^2/NDF : 204531.5/22

+ sign 0.011 +/- 0.000 χ^2/NDF : 603129.9/52

All: 0.011 +/- 0.000 χ^2/NDF : 1254428.1/107

- sign 0.011 +/- 0.000 χ^2/NDF : 650231.5/54

yield_bpm0i02aY_mean vs Slug



Right In: -0.975 ± 0.000 χ^2/NDF : 11137407911.3/27

Left Out: -1.143 ± 0.000 χ^2/NDF : 7976364534.0/24

Right Out: -0.924 ± 0.000 χ^2/NDF : 16042405957.5/31

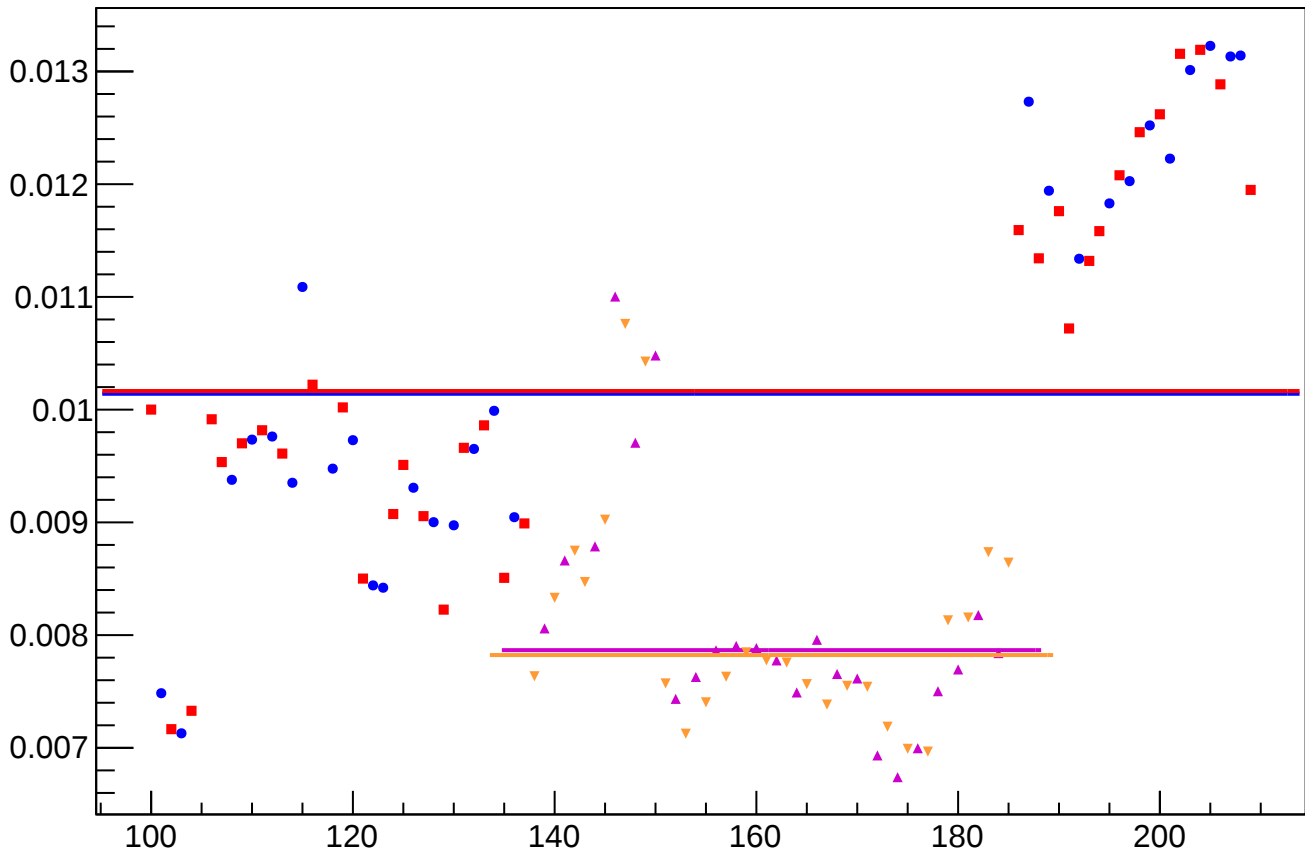
Left In: -1.169 ± 0.000 χ^2/NDF : 6362643368.6/22

+ sign -1.089 ± 0.000 χ^2/NDF : 21663520369.2/52

All: -1.086 ± 0.000 χ^2/NDF : 49615706313.8/54

- sign -1.082 ± 0.000 χ^2/NDF : 27941578514.5/54

yield_bpm0i02aY_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 979236.1/27

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:336387.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 940722.5/31

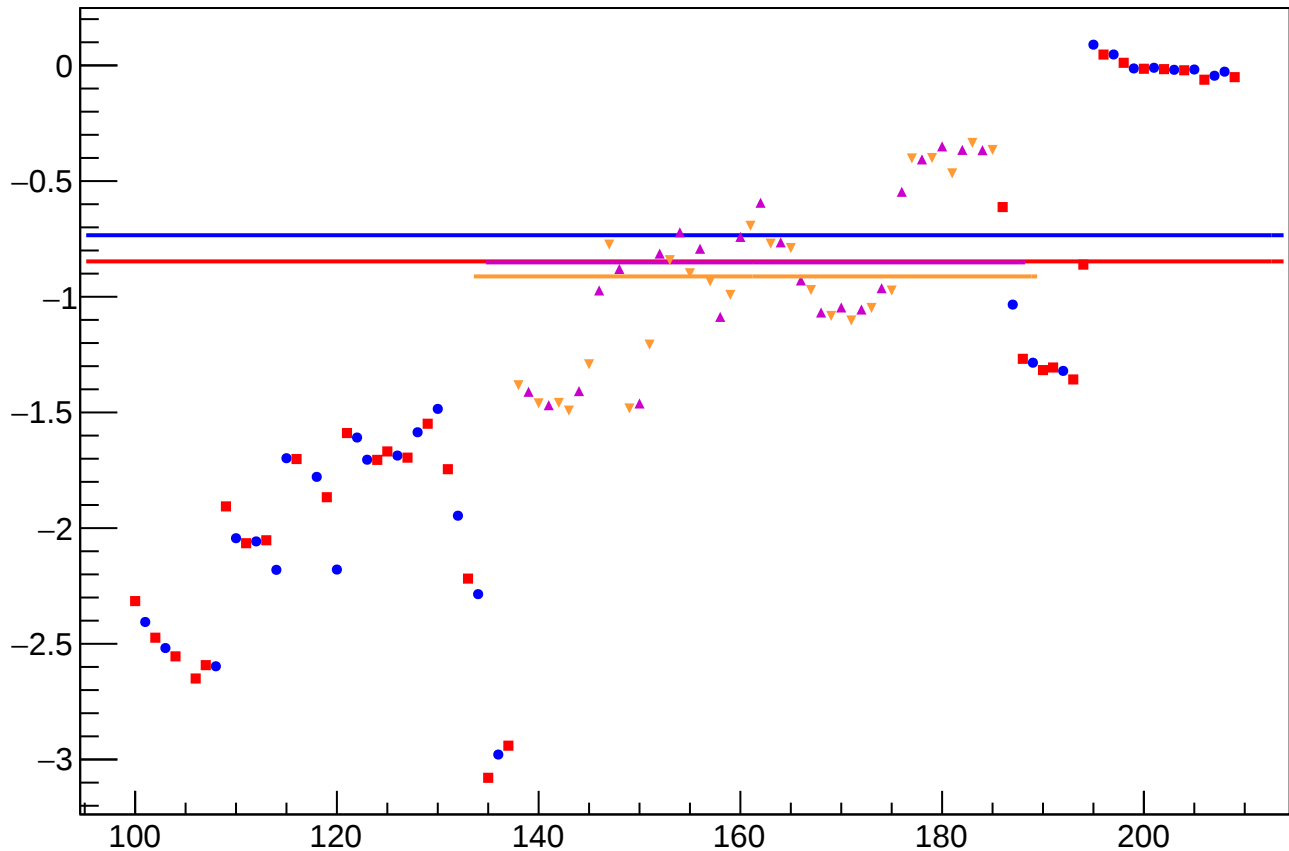
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:379901.3/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2275954.2/52

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4578831.5/107

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2297522.6/54

yield_bpm0i05X_mean vs Slug



Right In: -0.734 ± 0.000 χ^2/NDF : 361789732027.7/27

Left Out: -0.912 ± 0.000 χ^2/NDF : 49039425818.1/24

Right Out: -0.847 ± 0.000 χ^2/NDF : 383885984064.2/31

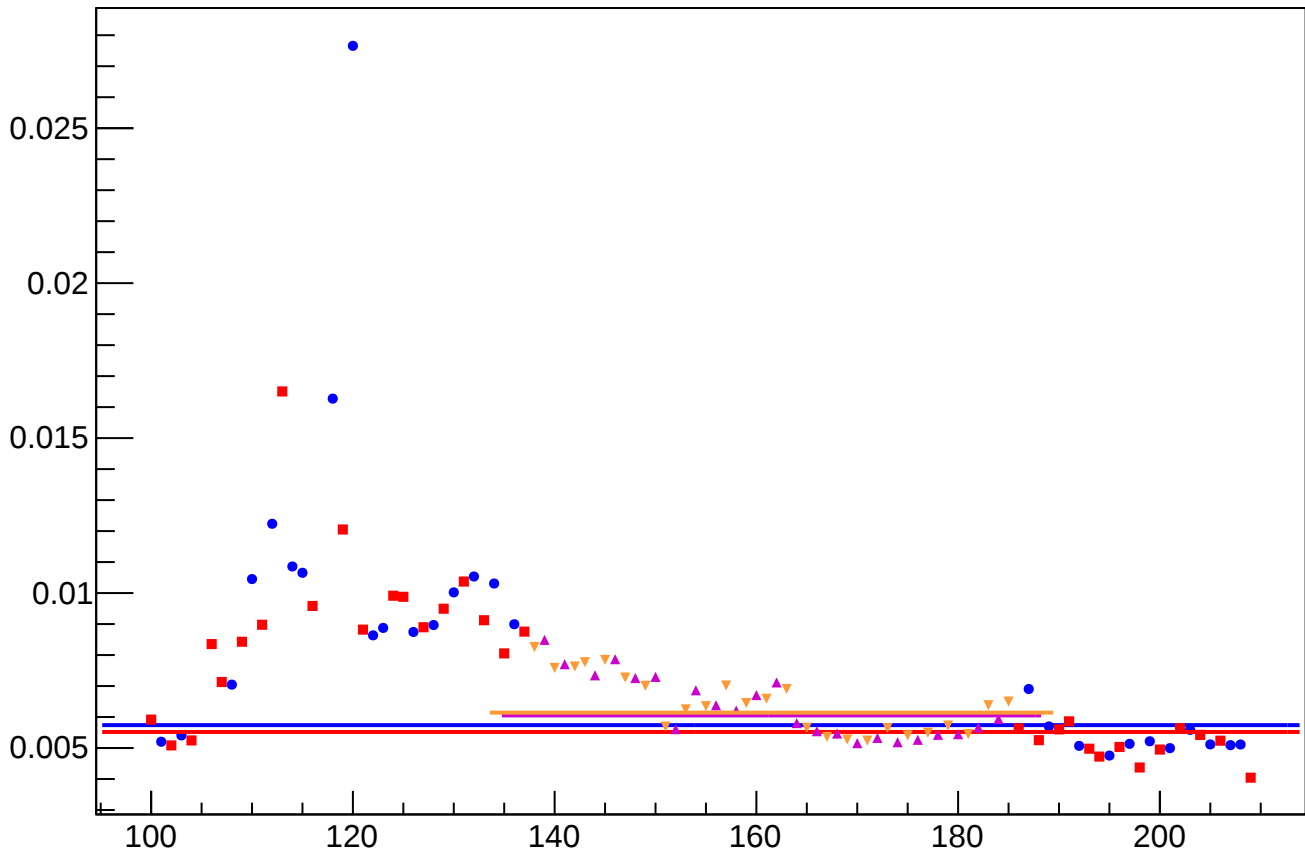
Left In: -0.851 ± 0.000 χ^2/NDF : 46438446008.2/22

+ sign -0.833 ± 0.000 χ^2/NDF : 417127347401.9/52

All: -0.841 ± 0.000 χ^2/NDF : 847572981419.4

- sign -0.849 ± 0.000 χ^2/NDF : 430328432956.1/54

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2026123.7/27

Left Out: 0.006+/-0.000 χ^2/NDF : 637765.4/24

Right Out: 0.006+/-0.000 χ^2/NDF : 2097165.1/31

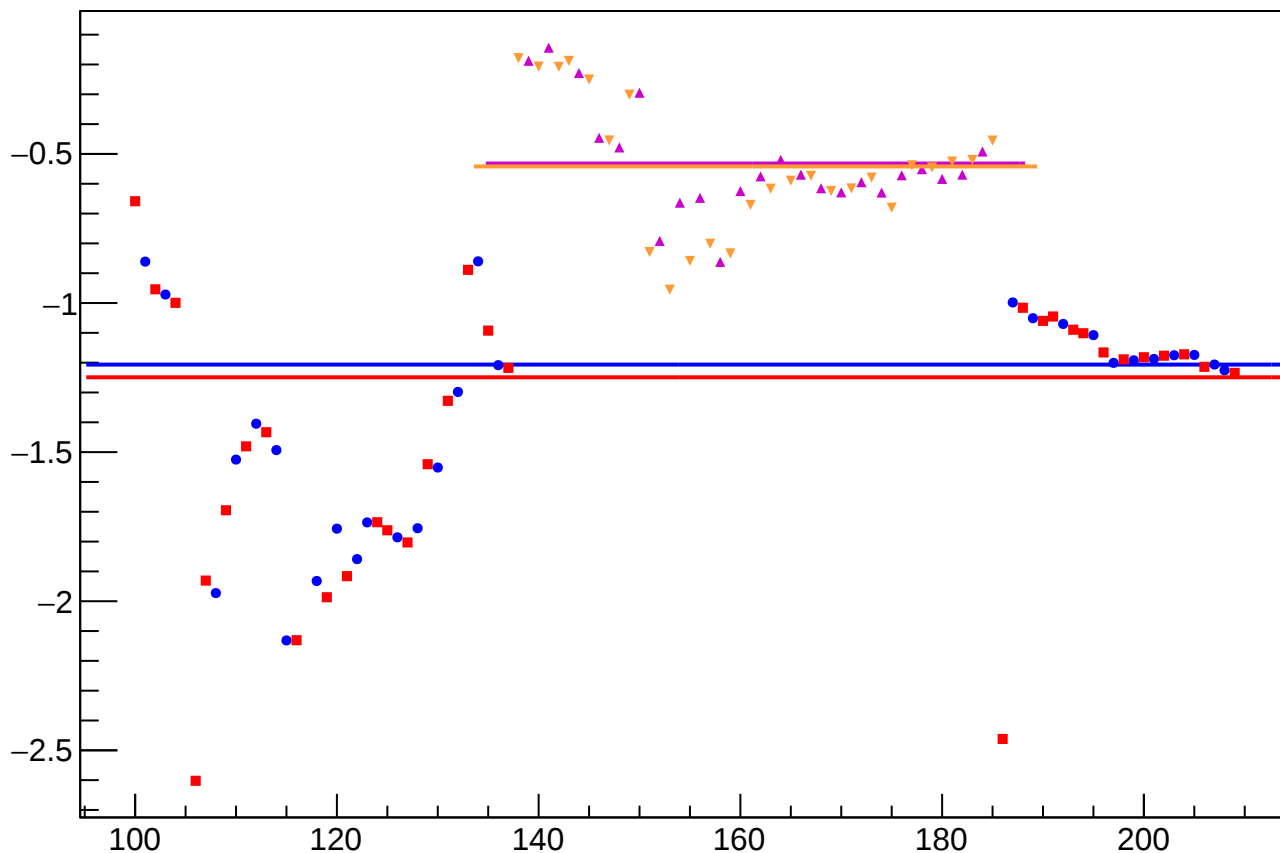
Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2728526.1/52

All: 0.006+/-0.000 χ^2/NDF : 5672913.7/107

- sign 0.006+/-0.000 χ^2/NDF : 2918544.4/54

yield_bpm0i05Y_mean vs Slug



Right In: -1.206 ± 0.000 χ^2/NDF : 26348214413.2/27

Left Out: -0.542 ± 0.000 χ^2/NDF : 47268284910.3/24

Right Out: -1.249 ± 0.000 χ^2/NDF : 78878706736.0/31

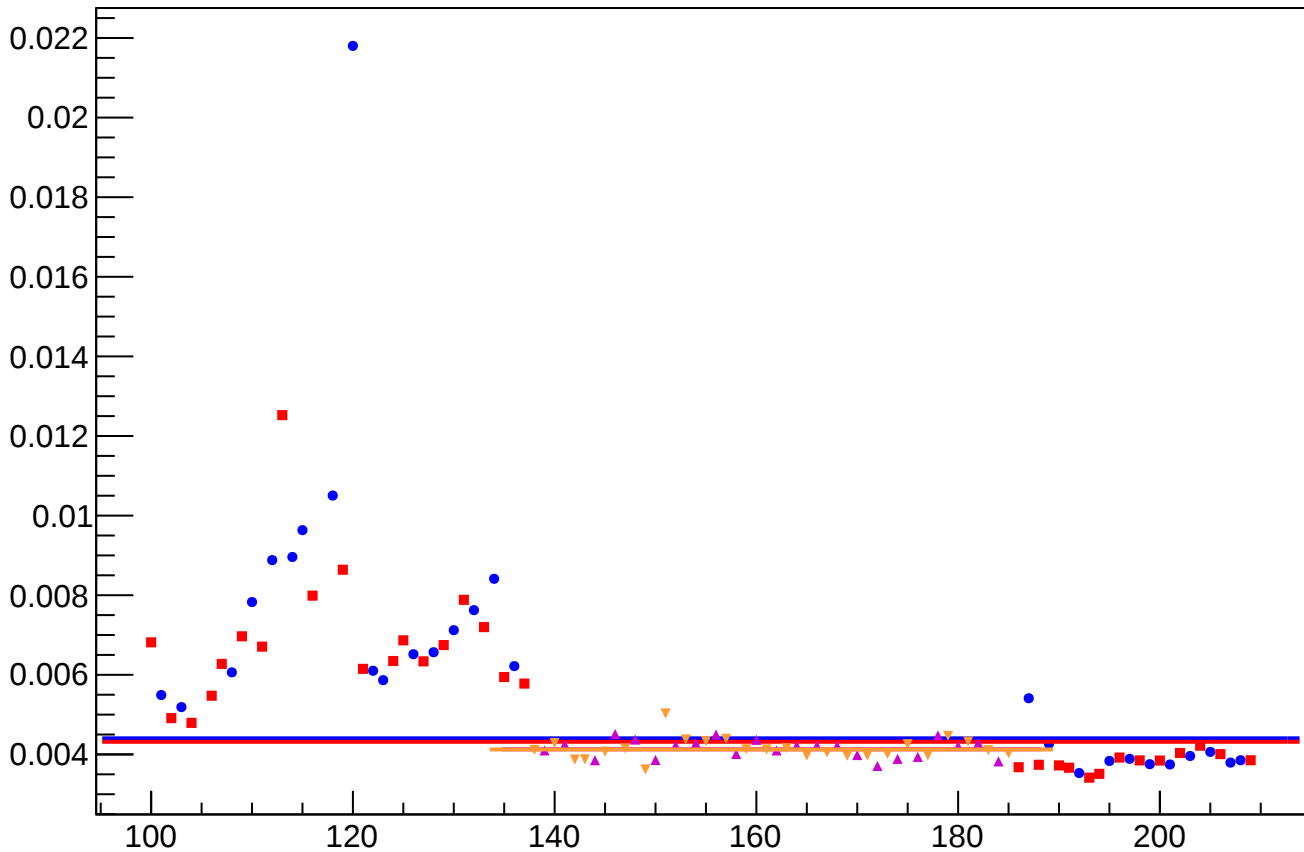
Left In: -0.532 ± 0.000 χ^2/NDF : 30715235426.8/22

+ sign -0.794 ± 0.000 χ^2/NDF : 240043311857.1/52

All: -0.817 ± 0.000 χ^2/NDF : 557601830228.4

- sign -0.840 ± 0.000 χ^2/NDF : 315910394547.7/54

yield_bpm0i05Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2028326.2/27

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:113033.9/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1863022.4/31

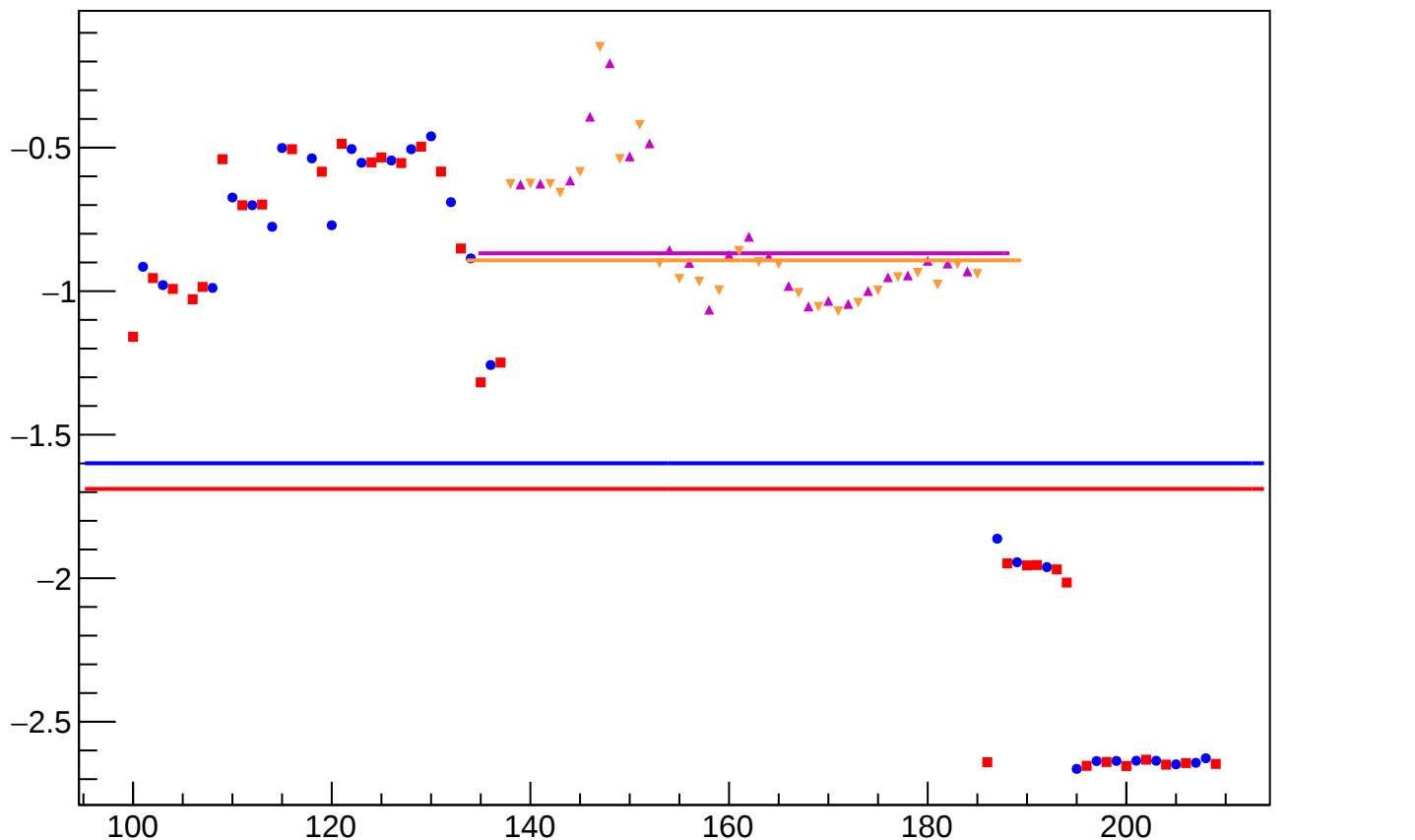
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:93111.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2200318.1/52

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4185579.4/107

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1984596.6/54

yield_bpm0i07X_mean vs Slug



Right In: -1.600+/-0.000 χ^2/NDF : 254877841172.1/27

Left Out: -0.893+/-0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.689+/-0.000 χ^2/NDF : 314581398848.4/31

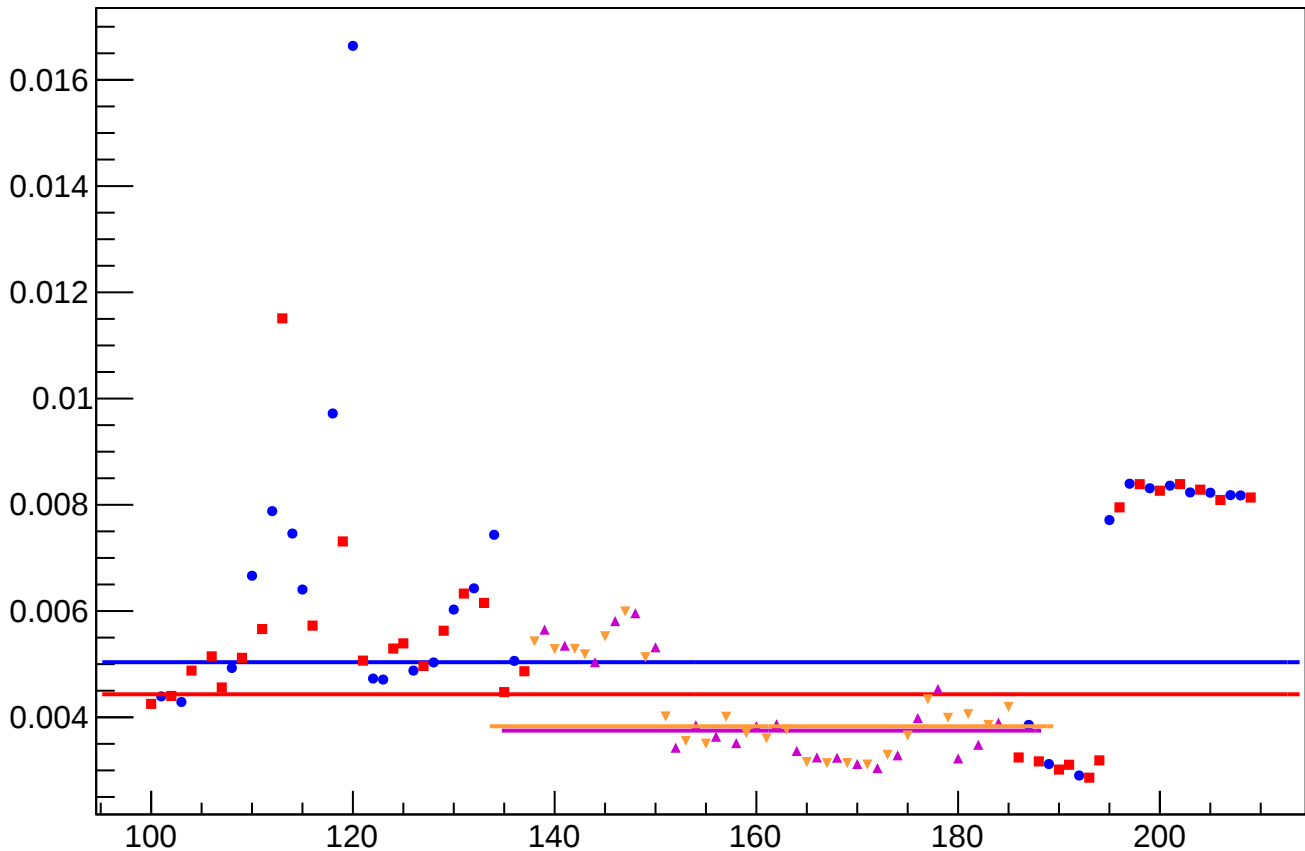
Left In: -0.868+/-0.000 χ^2/NDF : 43853190177.2/22

+ sign -1.095+/-0.000 χ^2/NDF : 456417336312.0/52

All: -1.133+/-0.000 χ^2/NDF : 1093609298285

- sign -1.167+/-0.000 χ^2/NDF : 632792183516.4/54

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 3848795.1/27

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 4093066.0/31

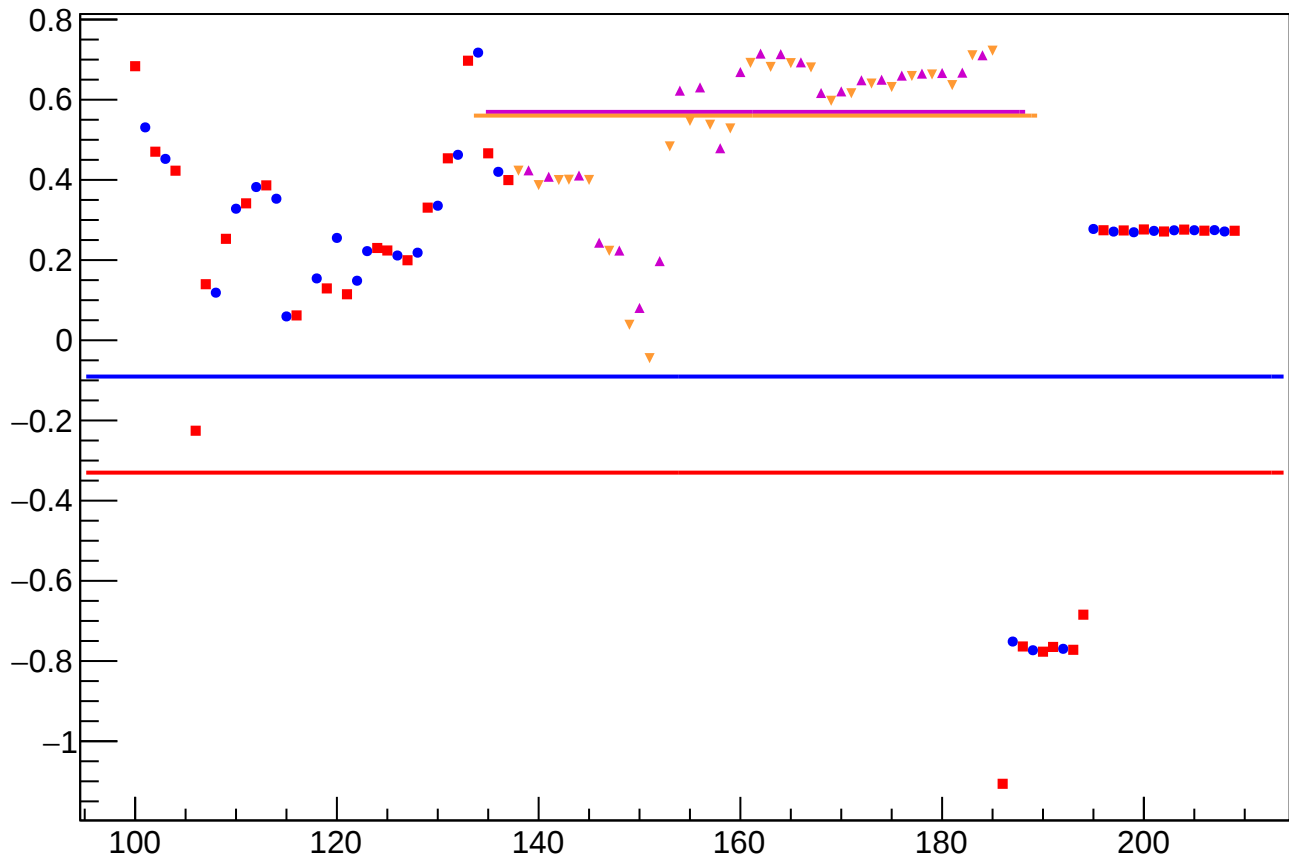
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5964453.3/52

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 11778989.8/107

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5762491.2/54

yield_bpm0i07Y_mean vs Slug



Right In: -0.090+/-0.000 χ^2/NDF : 285517875558.9/27

Left Out: 0.560+/-0.000 χ^2/NDF : 45205806387.2/24

Right Out: -0.330+/-0.000 χ^2/NDF : 463419092023.6/31

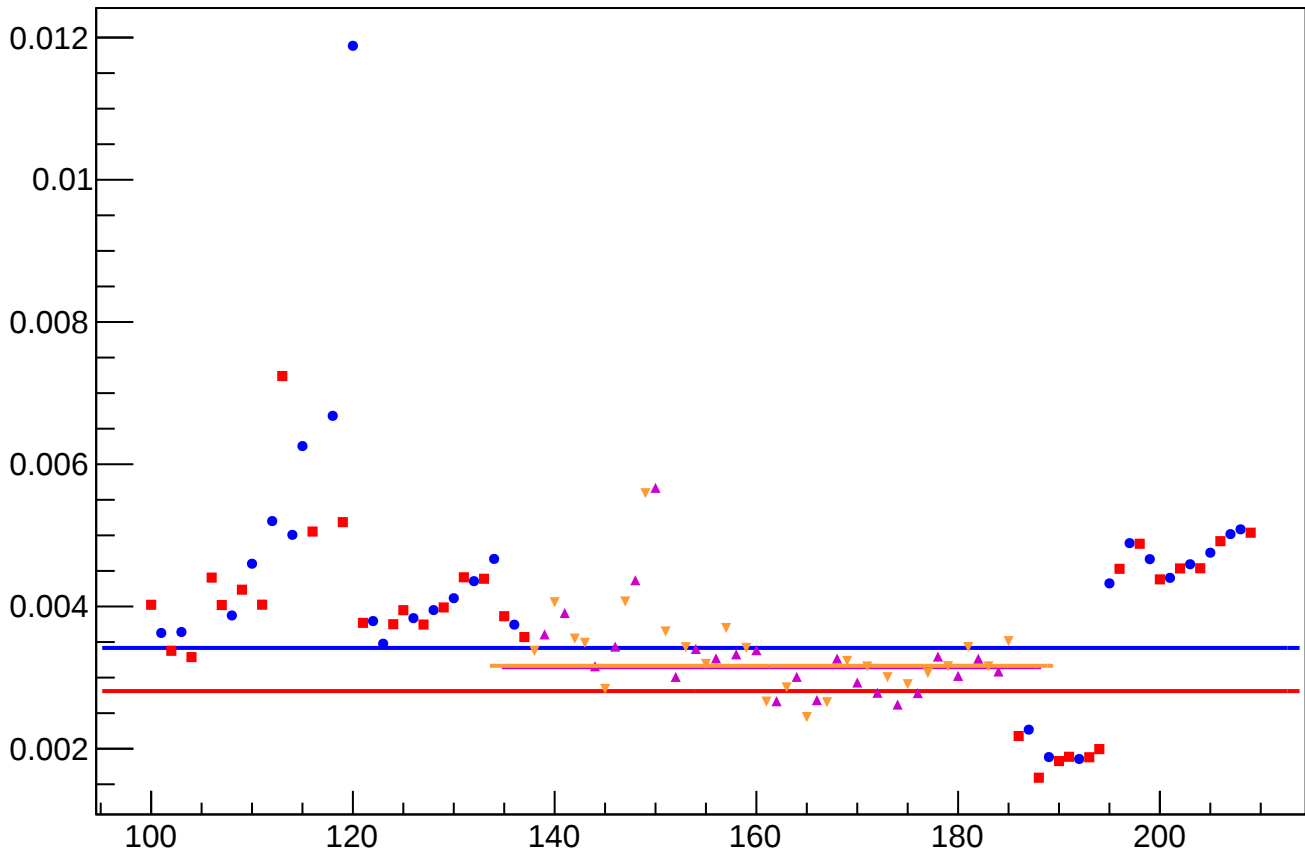
Left In: 0.570+/-0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.311+/-0.000 χ^2/NDF : 593106582334.8/52

All: 0.209+/-0.000 χ^2/NDF : 1775563966137.

- sign 0.123+/-0.000 χ^2/NDF : 1131978149996.3/54

yield_bpm0i07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 3424088.2/27

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 744886.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 4795579.0/31

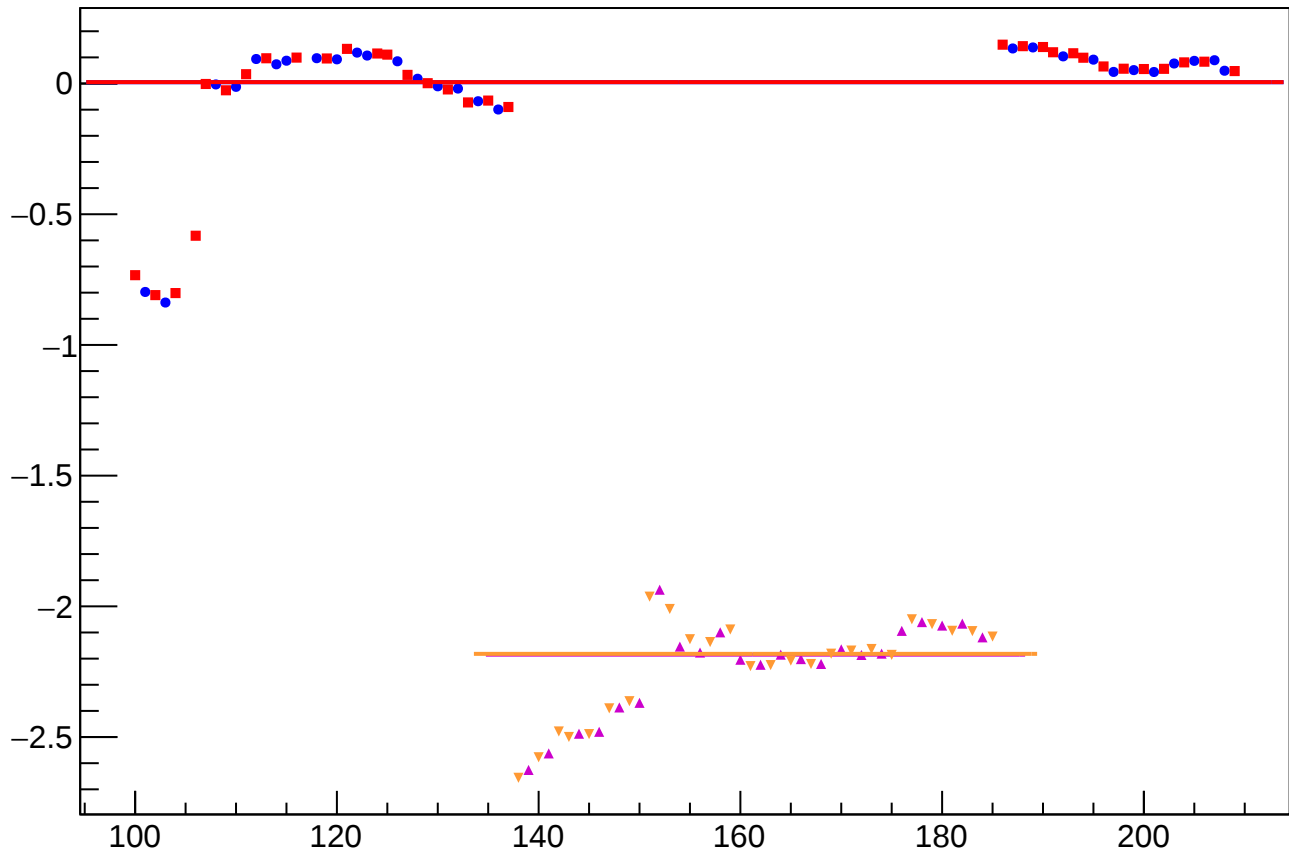
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 716402.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4247175.8/52

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 10160405.6/107

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5686454.3/54

yield_bpm1i02X_mean vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 5894125218.2/27

Left Out: -2.182 $\pm$ 0.000 χ^2 /NDF: 4008829567.0/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 6965059566.3/31

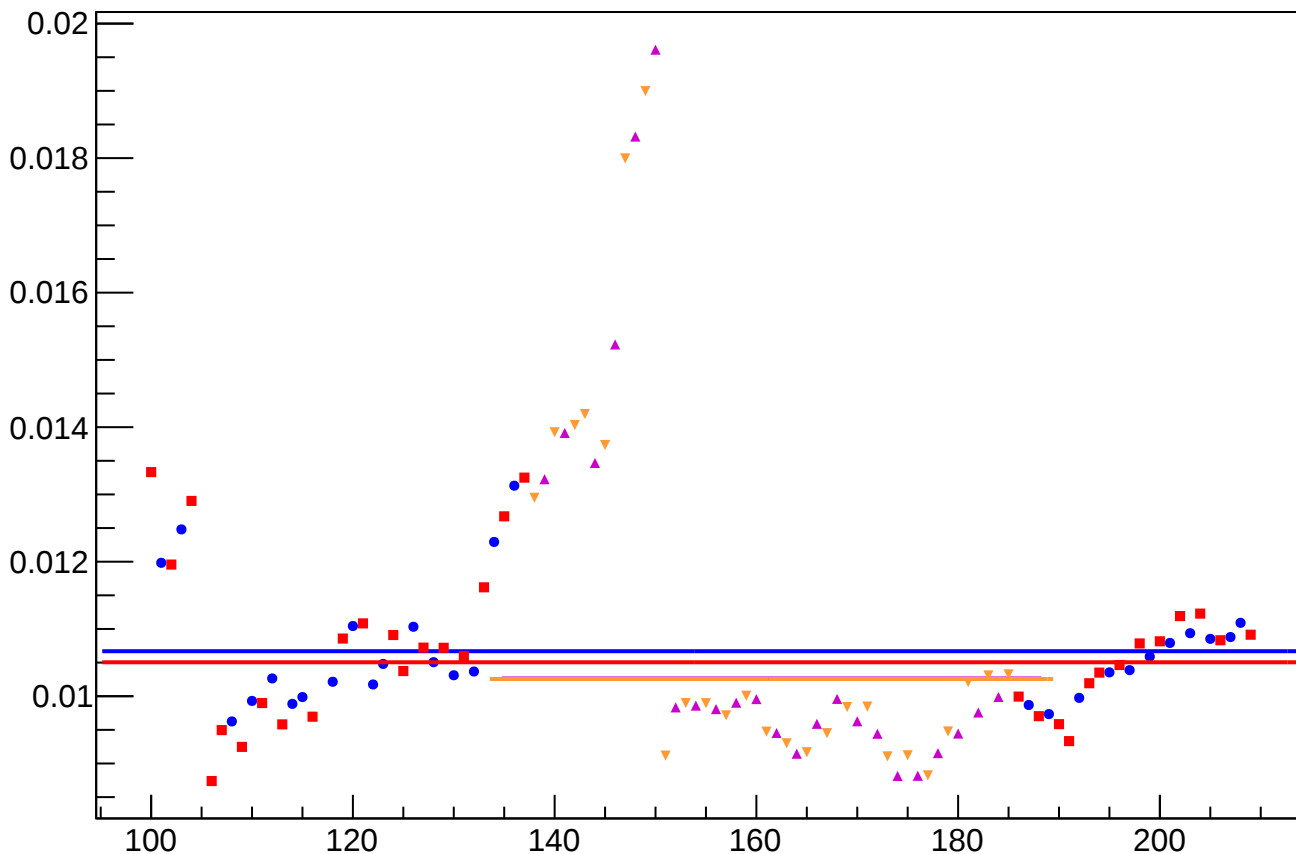
Left In: -2.185 $\pm$ 0.000 χ^2 /NDF: 3372742534.3/22

+ sign -1.245 $\pm$ 0.000 χ^2 /NDF: 353551906495.8/52

All: -1.195 $\pm$ 0.000 χ^2 /NDF: 723318625816.8

- sign -1.146 $\pm$ 0.000 χ^2 /NDF: 368323200192.8/54

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 153779.9/27

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 225421.0/31

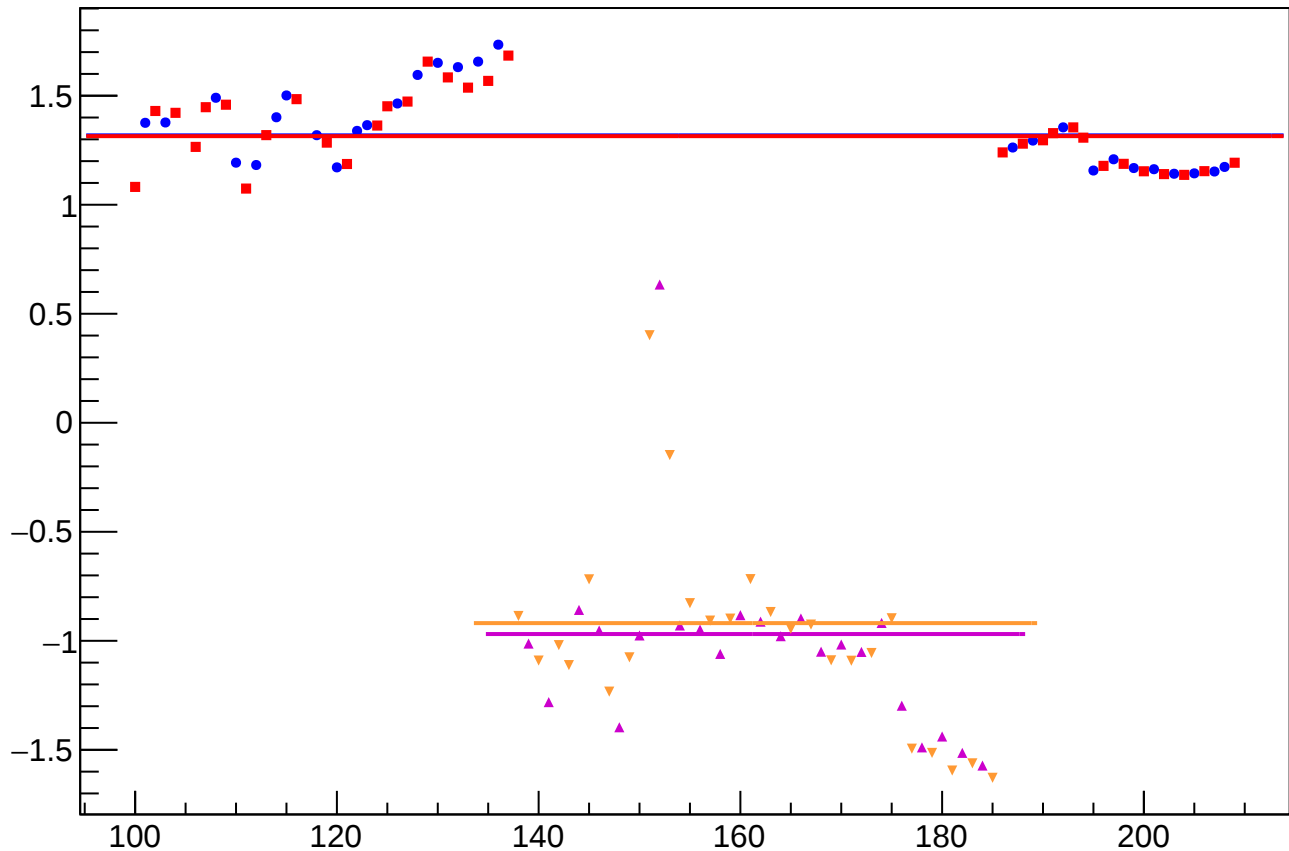
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1448922.1/52

All: 0.010+/-0.000 χ^2/NDF : 3024114.7/107

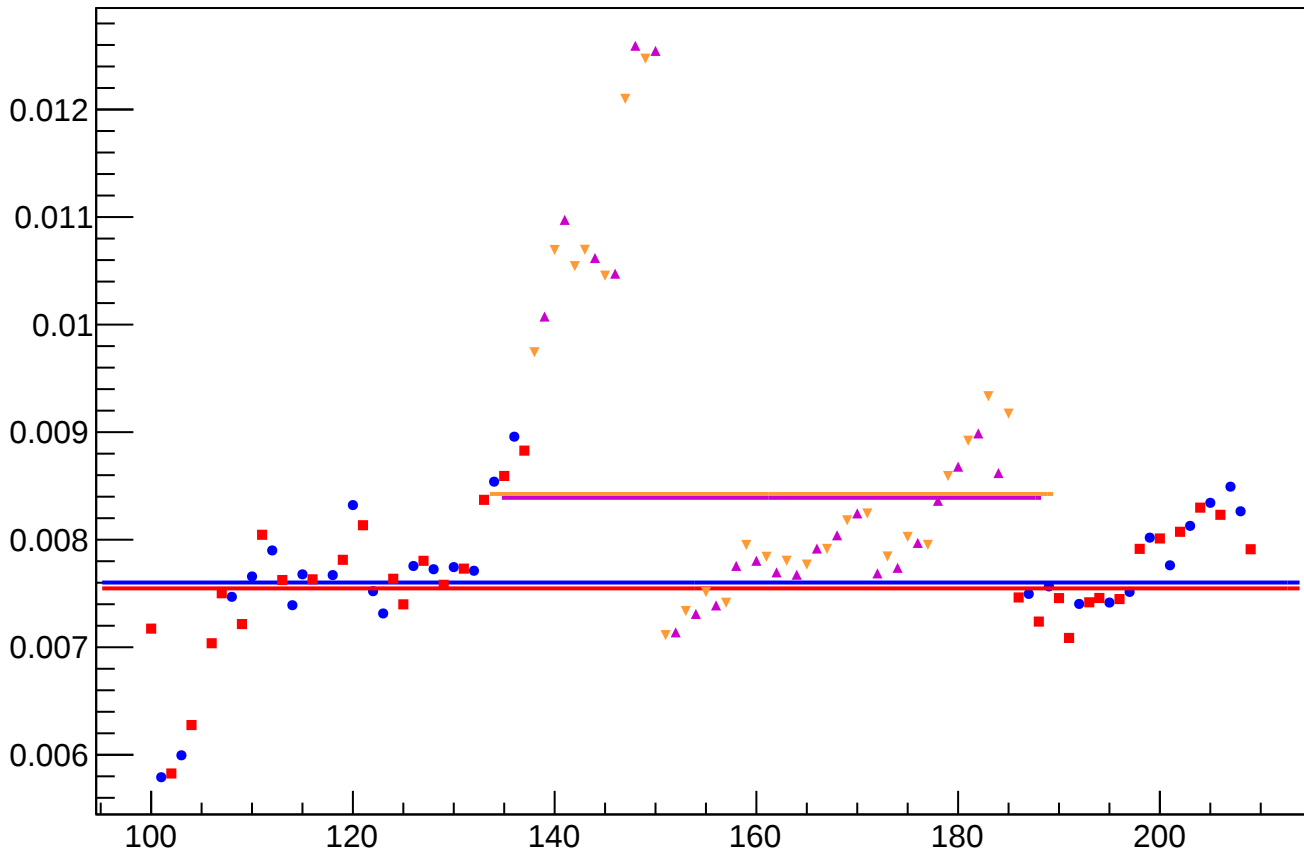
- sign 0.010+/-0.000 χ^2/NDF : 1574308.7/54

yield_bpm1i02Y_mean vs Slug



Right In: 1.318 ± 0.000	$\chi^2/\text{NDF}: 7640841365.1/27$	+ sign 0.186 ± 0.000	$\chi^2/\text{NDF}: 686558572129.3/52$
Left Out: -0.919 ± 0.000	$\chi^2/\text{NDF}: 55622252895.8/24$	All: 0.220 ± 0.000	$\chi^2/\text{NDF}: 1415972853236.$
Right Out: 1.315 ± 0.000	$\chi^2/\text{NDF}: 5977970037.9/31$	- sign 0.252 ± 0.000	$\chi^2/\text{NDF}: 728329594096.3/54$
Left In: -0.969 ± 0.000	$\chi^2/\text{NDF}: 54895002535.8/22$		

yield_bpm1i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 297408.7/27

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 792337.0/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 227891.6/31

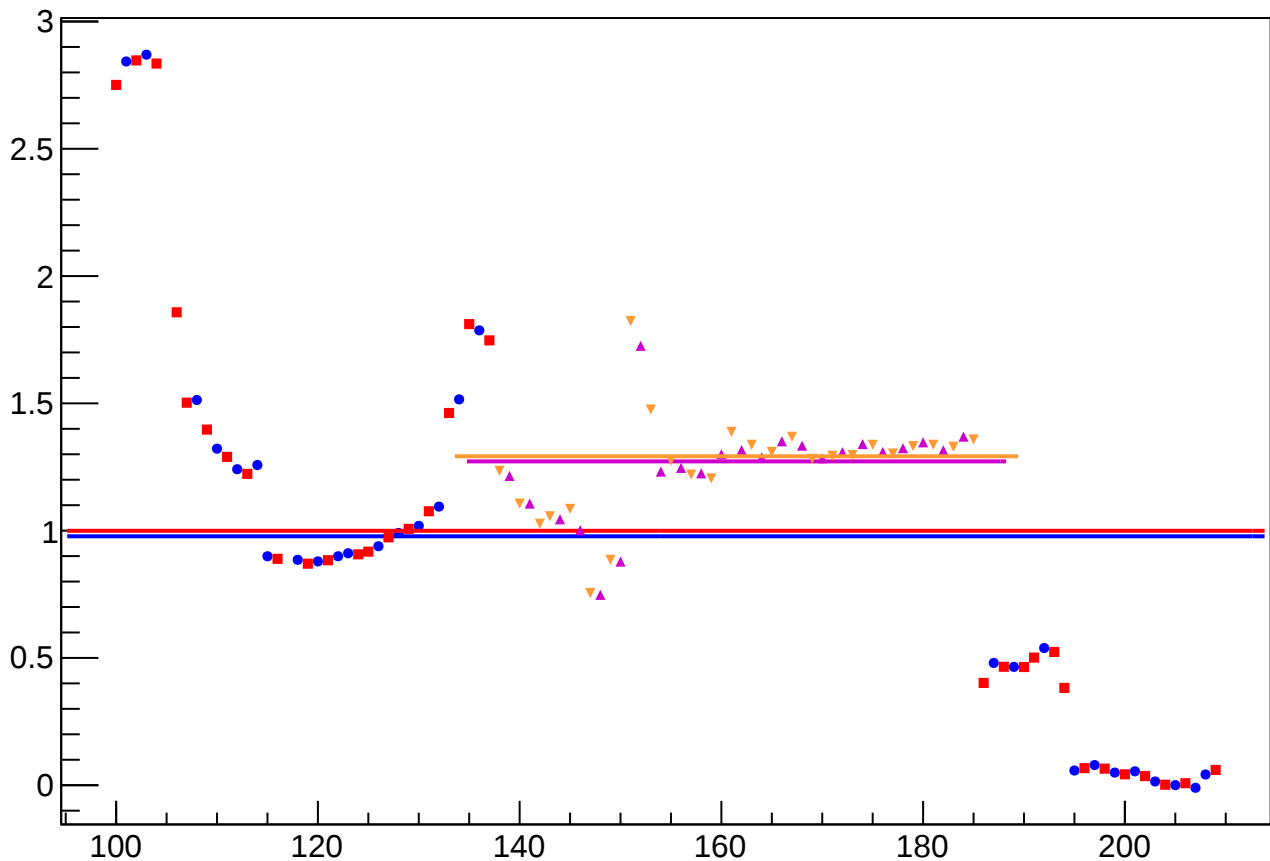
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1258760.6/52

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2511273.8/107

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1249330.6/54

yield_bpm1i04X_mean vs Slug



Right In: 0.978 $\pm$ 0.000 χ^2 /NDF: 126187796810.6/27

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

+ sign 1.152 $\pm$ 0.000 χ^2 /NDF: 147071522731.7/52

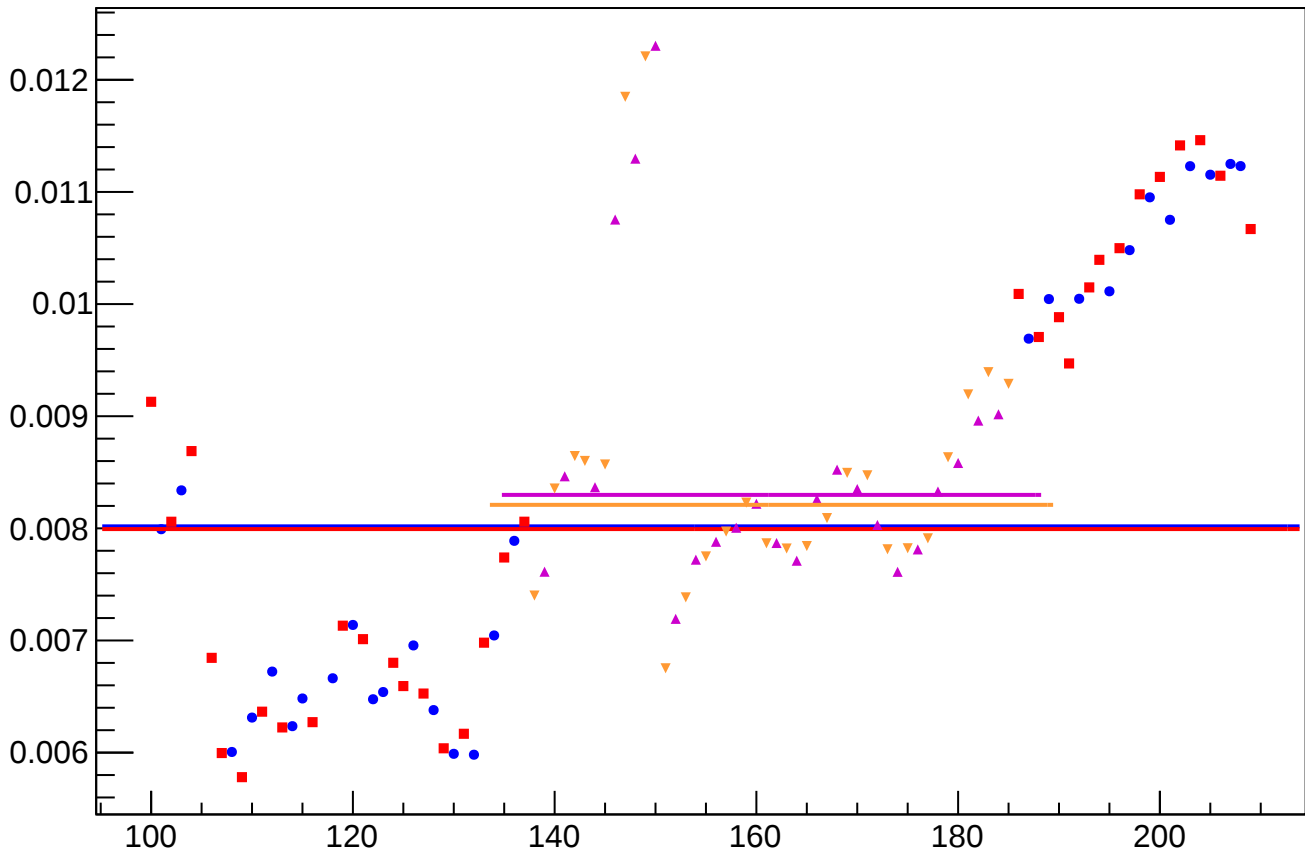
Right Out: 0.999 $\pm$ 0.000 χ^2 /NDF: 123688785595.4/31

All: 1.145 $\pm$ 0.000 χ^2 /NDF: 287222404778.9

Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

- sign 1.139 $\pm$ 0.000 χ^2 /NDF: 140109246483.4/54

yield_bpm1i04X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1592051.4/27

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:478864.9/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1784628.4/31

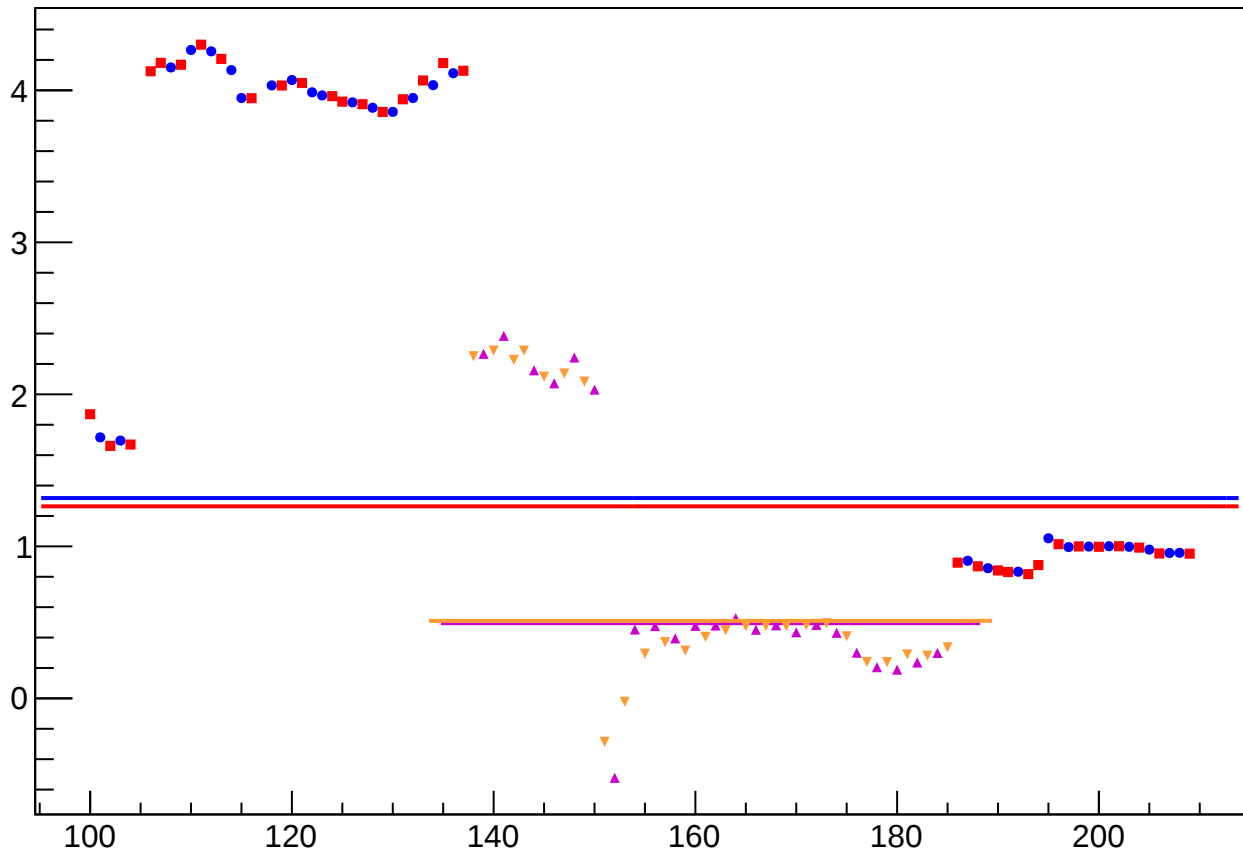
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2079547.5/52

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 4348637.6/107

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2268788.0/54

yield_bpm1i04Y_mean vs Slug



Right In: 1.318+/-0.000 χ^2/NDF : 1487026980578.5/27

Left Out: 0.510+/-0.000 χ^2/NDF : 274818814912.4/24

Right Out: 1.263+/-0.000 χ^2/NDF : 1696766812326.1/31

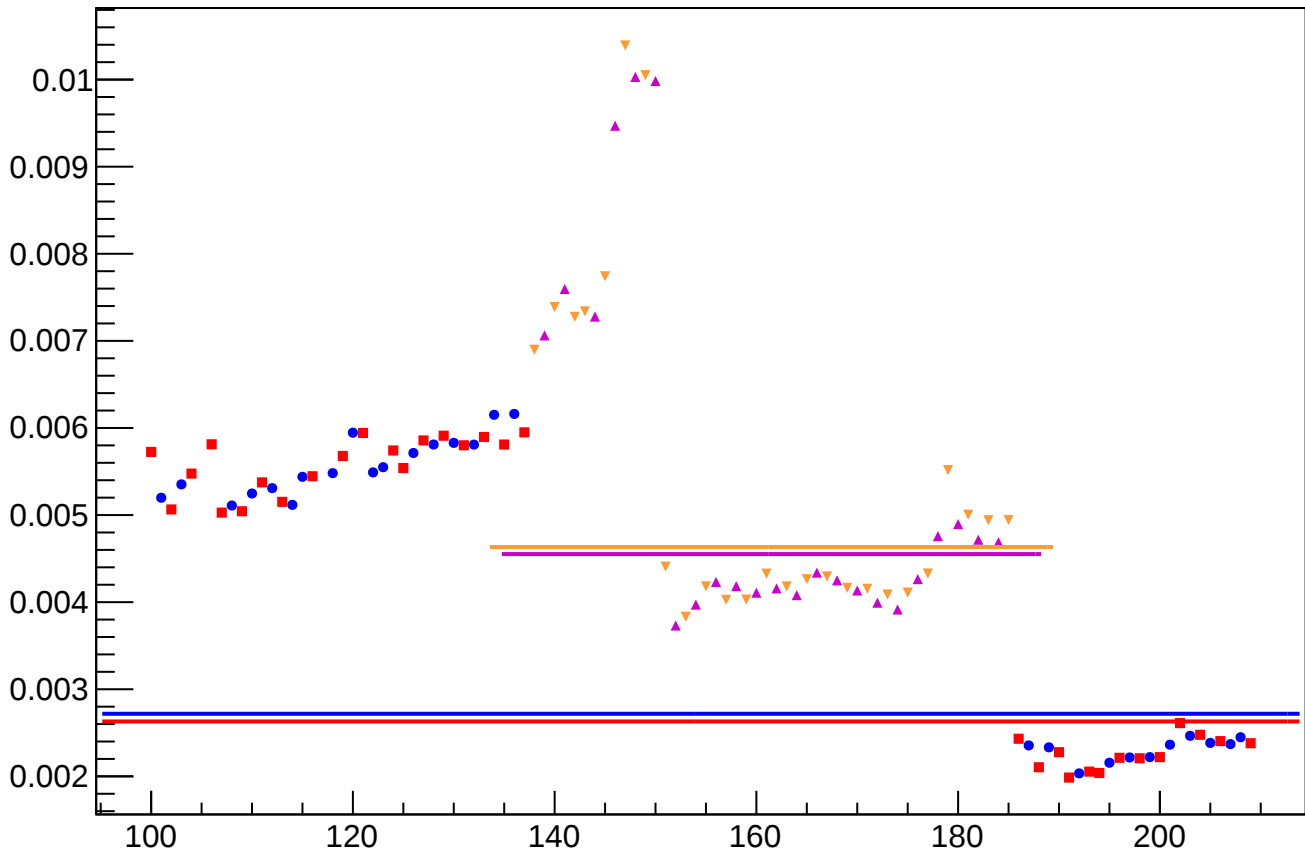
Left In: 0.495+/-0.000 χ^2/NDF : 268863202792.4/22

+ sign 1.053+/-0.000 χ^2/NDF : 2102617779508.3/52

All: 1.047+/-0.000 χ^2/NDF : 4386635601777.

- sign 1.042+/-0.000 χ^2/NDF : 2283848166403.9/54

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4129693.4/27

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4454983.8/31

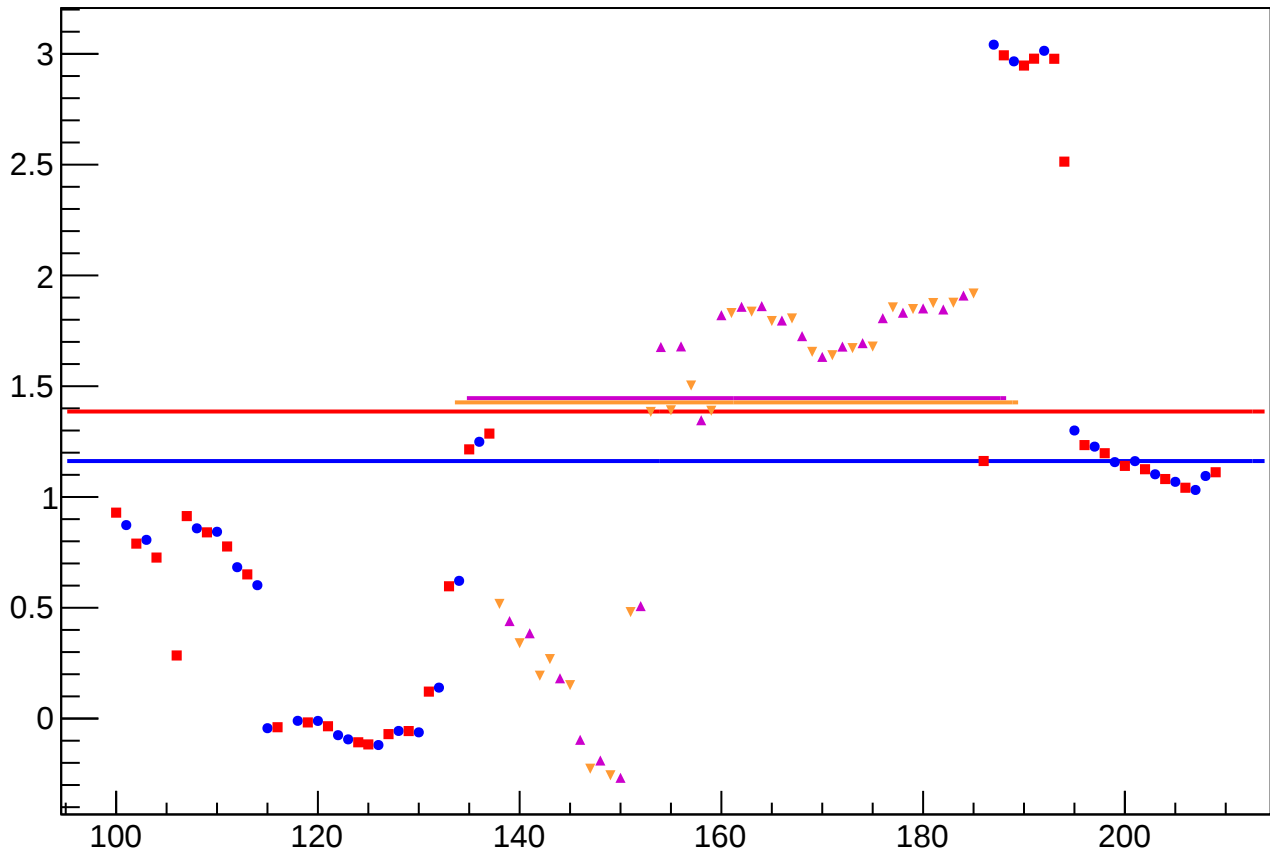
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 10072859.8/52

All: 0.003+/-0.000 χ^2/NDF : 20812280.4/107

- sign 0.003+/-0.000 χ^2/NDF : 10675359.3/54

yield_bpm1i06X_mean vs Slug



Right In: 1.162 $\pm$ 0.000 χ^2 /NDF: 72794159230.0/27

Left Out: 1.427 $\pm$ 0.000 χ^2 /NDF: 49990787038.3/24

Right Out: 1.386 $\pm$ 0.000 χ^2 /NDF: 100493899064.3/31

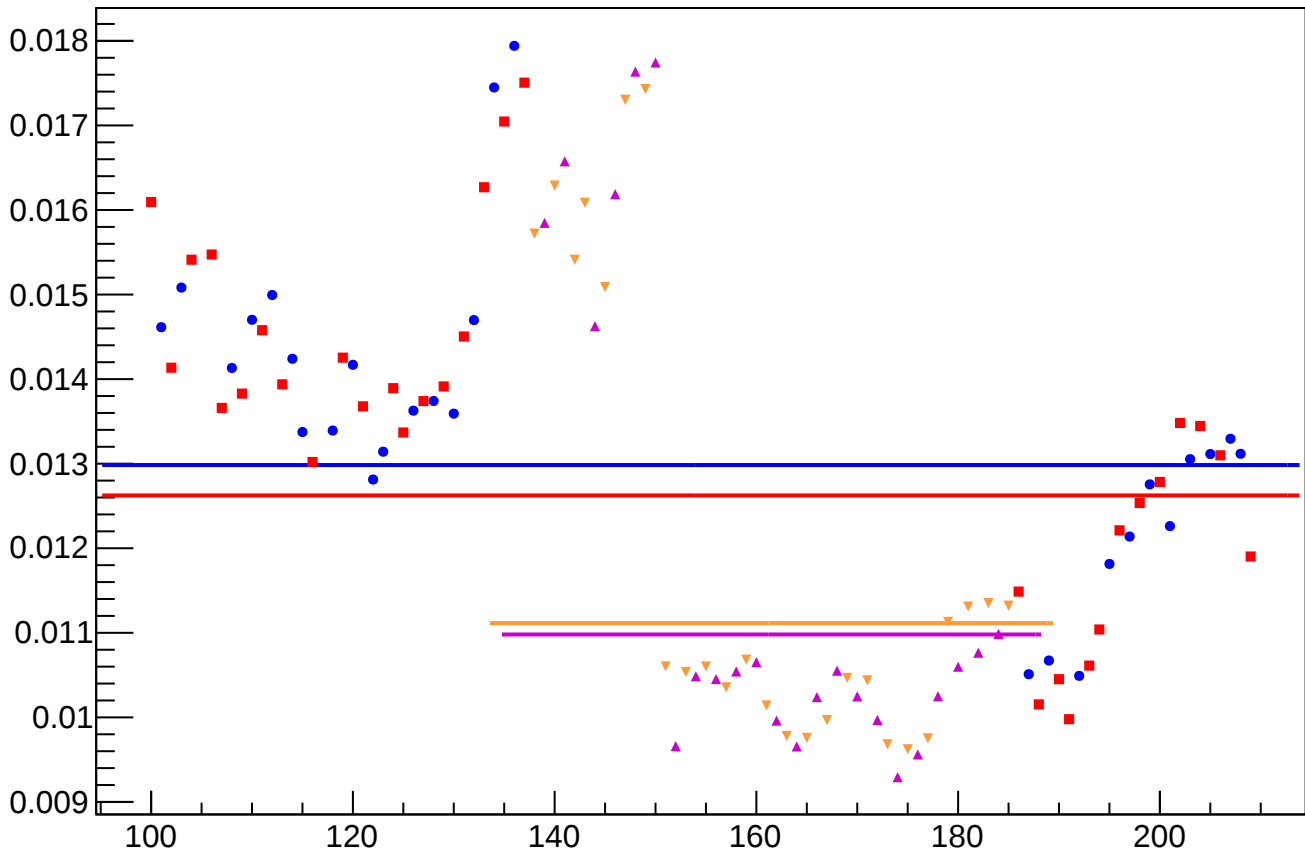
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.329 $\pm$ 0.000 χ^2 /NDF: 126476655364.7/52

All: 1.376 $\pm$ 0.000 χ^2 /NDF: 281907572591.9

- sign 1.421 $\pm$ 0.000 χ^2 /NDF: 154452285578.4/54

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 436163.1/27

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 566108.1/31

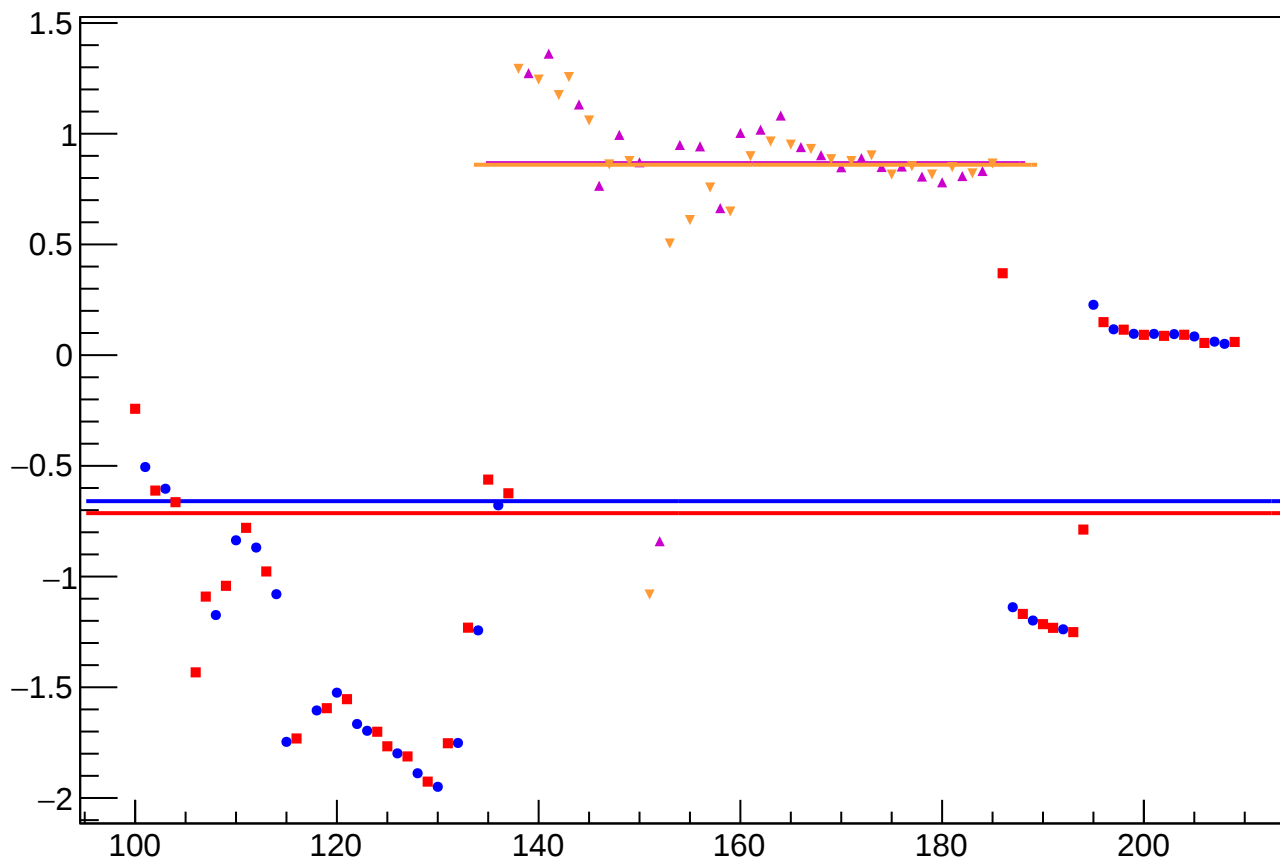
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 2031597.6/52

All: 0.012+/-0.000 χ^2/NDF : 4173559.7/107

- sign 0.012+/-0.000 χ^2/NDF : 2136834.1/54

yield_bpm1i06Y_mean vs Slug



Right In: -0.659 ± 0.000 $\chi^2/\text{NDF}: 177685317968.8/27$

Left Out: 0.860 ± 0.000 $\chi^2/\text{NDF}: 126335891175.4/24$

Right Out: -0.714 ± 0.000 $\chi^2/\text{NDF}: 166266758178.9/31$

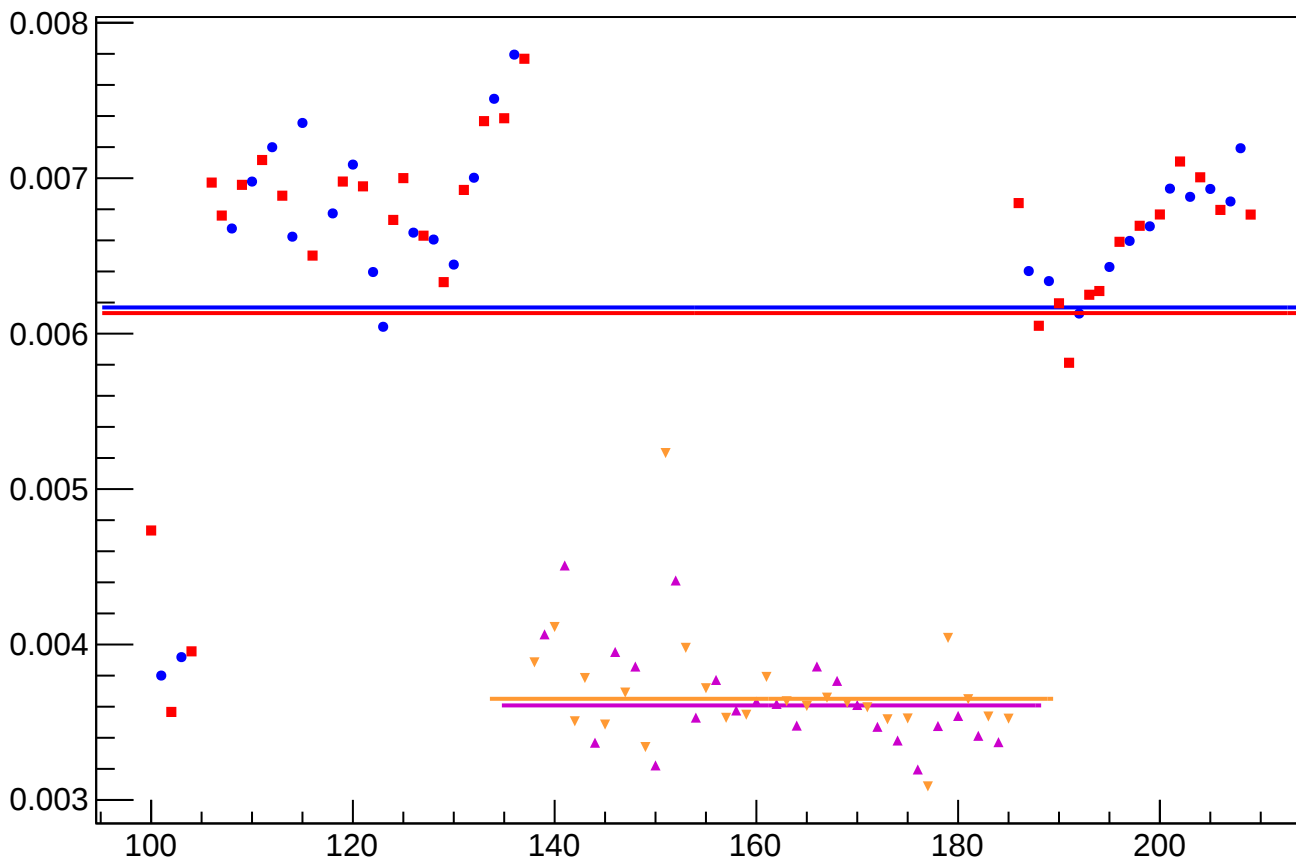
Left In: 0.867 ± 0.000 $\chi^2/\text{NDF}: 147039402944.6/22$

+ sign 0.529 ± 0.000 $\chi^2/\text{NDF}: 933529120569.4/52$

All: 0.507 ± 0.000 $\chi^2/\text{NDF}: 1979243044123.$

- sign 0.484 ± 0.000 $\chi^2/\text{NDF}: 1044086754778.5/54$

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1023551.3/27

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1101855.8/31

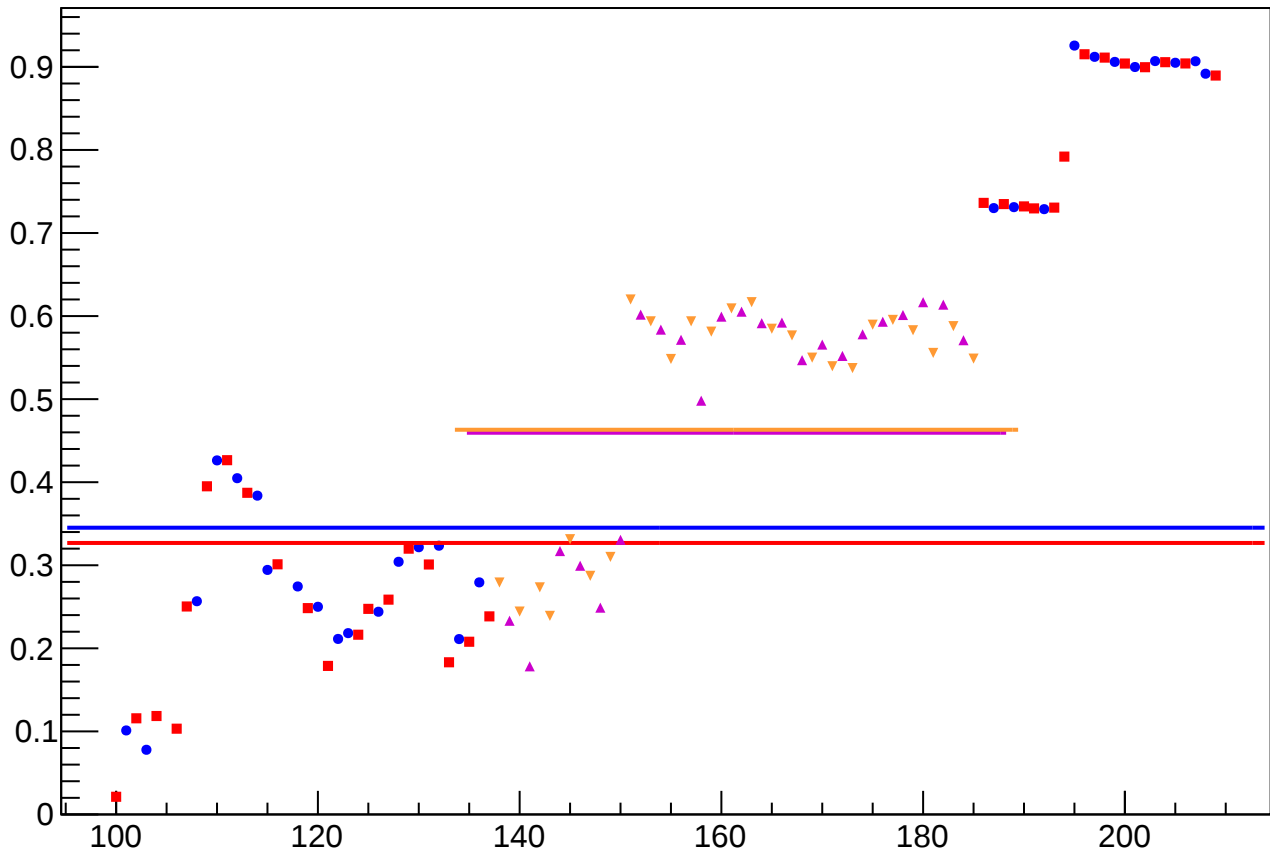
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4718097.8/52

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 9774706.1/107

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5055898.5/54

yield_bpm2i01X_mean vs Slug



Right In: 0.345 $\pm$ 0.000 χ^2 /NDF: 157307458986.8/27

Left Out: 0.463 $\pm$ 0.000 χ^2 /NDF: 102506270538.7/24

Right Out: 0.327 $\pm$ 0.000 χ^2 /NDF: 174182923742.8/31

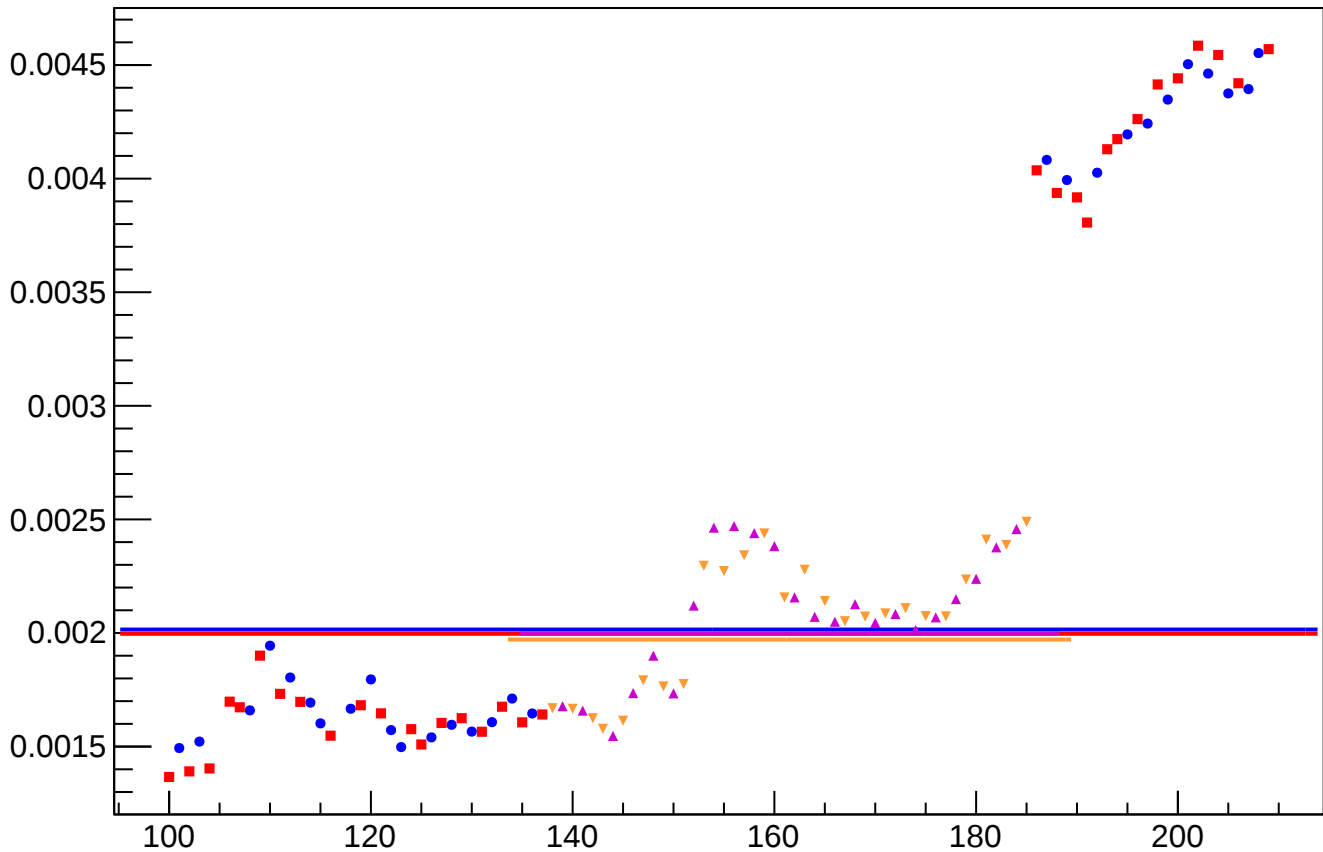
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF: 104559088628.4/22

+ sign 0.418 $\pm$ 0.000 χ^2 /NDF: 284297539631.4/52

All: 0.410 $\pm$ 0.000 χ^2 /NDF: 595914176769.5

- sign 0.402 $\pm$ 0.000 χ^2 /NDF: 310700774509.0/54

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 5165046.5/27

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 5910333.8/31

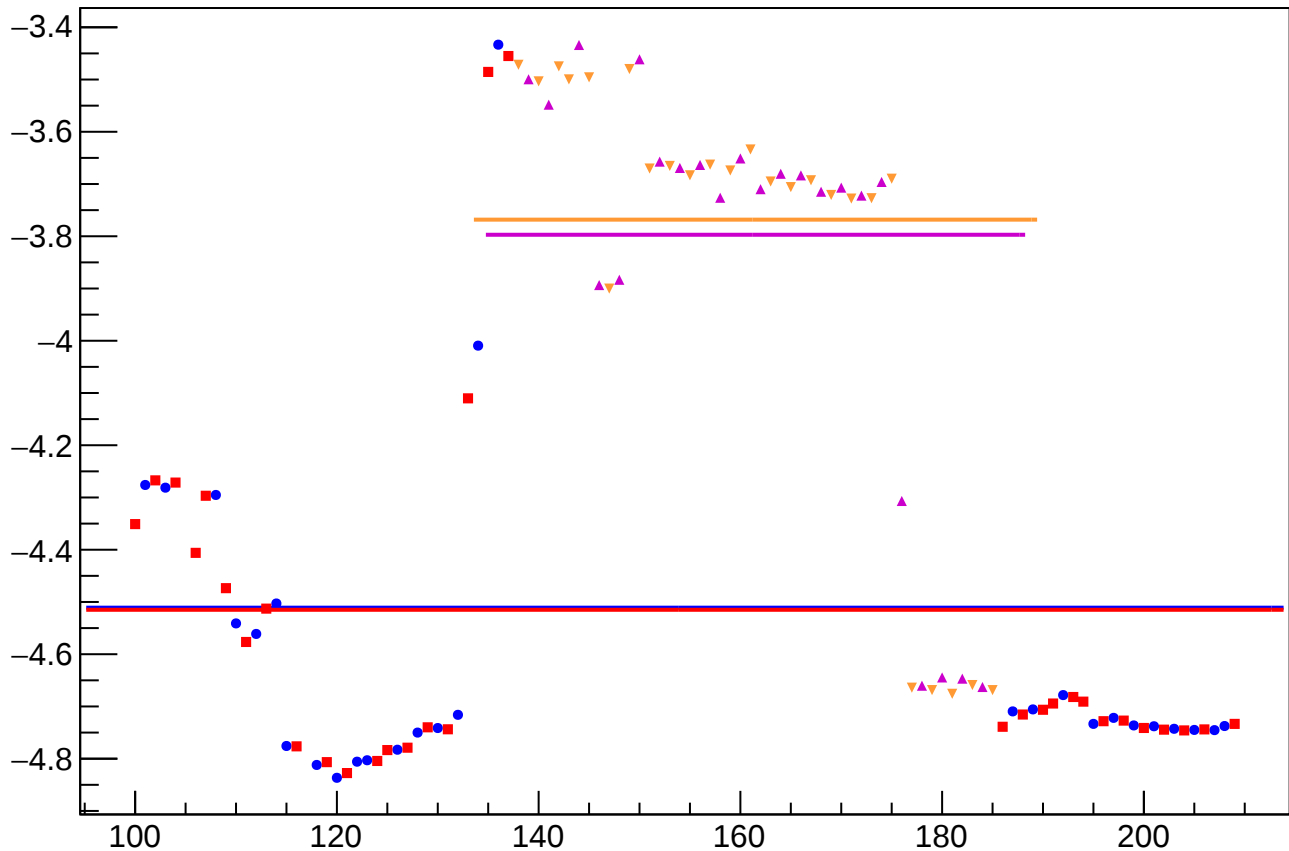
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 5902110.5/52

All: 0.002+/-0.000 χ^2/NDF : 12479432.4/107

- sign 0.002+/-0.000 χ^2/NDF : 6576739.1/54

yield_bpm2i01Y_mean vs Slug



Right In: -4.511+/-0.000 χ^2 /NDF: 436061110773.3/27

Left Out: -3.768+/-0.000 χ^2 /NDF: 516780173940.8/24

Right Out: -4.515+/-0.000 χ^2 /NDF: 373428230713.9/31

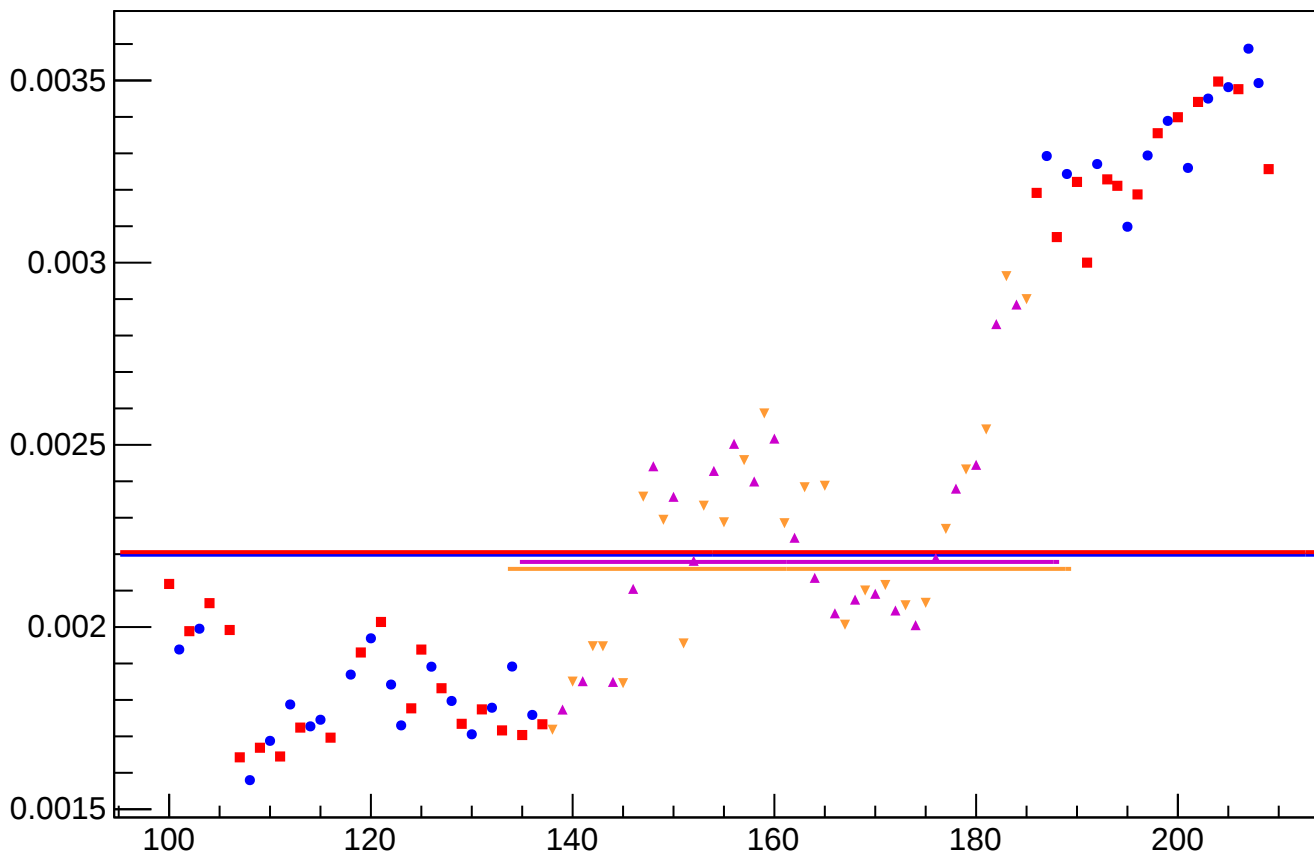
Left In: -3.797+/-0.000 χ^2 /NDF: 444886272608.9/22

+ sign -4.075+/-0.000 χ^2 /NDF: 1820671229412.4/5

All: -4.098+/-0.000 χ^2 /NDF: 3473229927231

- sign -4.122+/-0.000 χ^2 /NDF: 1645383759204.3/5

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2499025.7/27

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:547831.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2678339.4/31

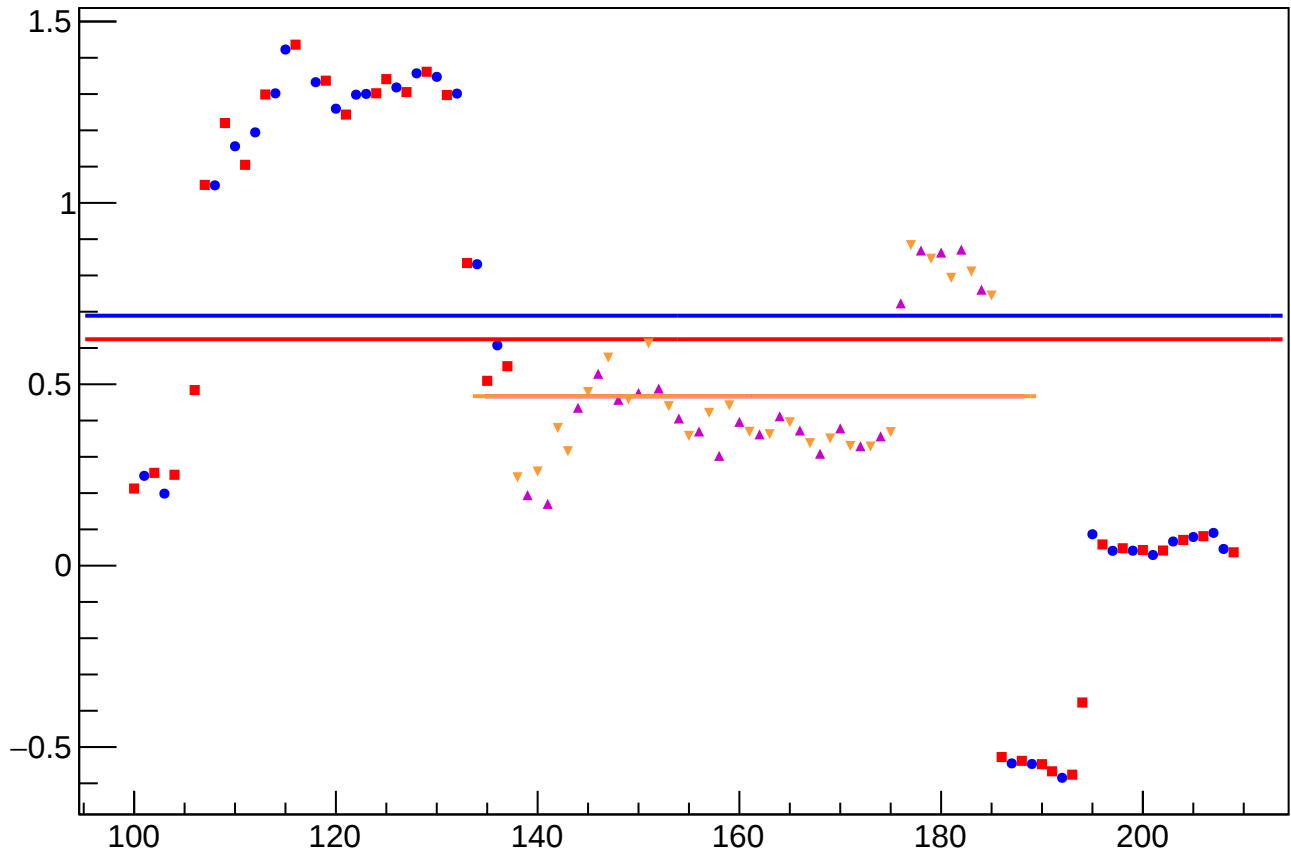
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:463279.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3051617.5/52

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6197046.8/107

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3143935.7/54

yield_bpm2i02X_mean vs Slug



Right In: 0.689 $\pm$ 0.000 χ^2 /NDF: 77190225365.5/27

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

+ sign 0.571 $\pm$ 0.000 χ^2 /NDF: 89353553793.0/52

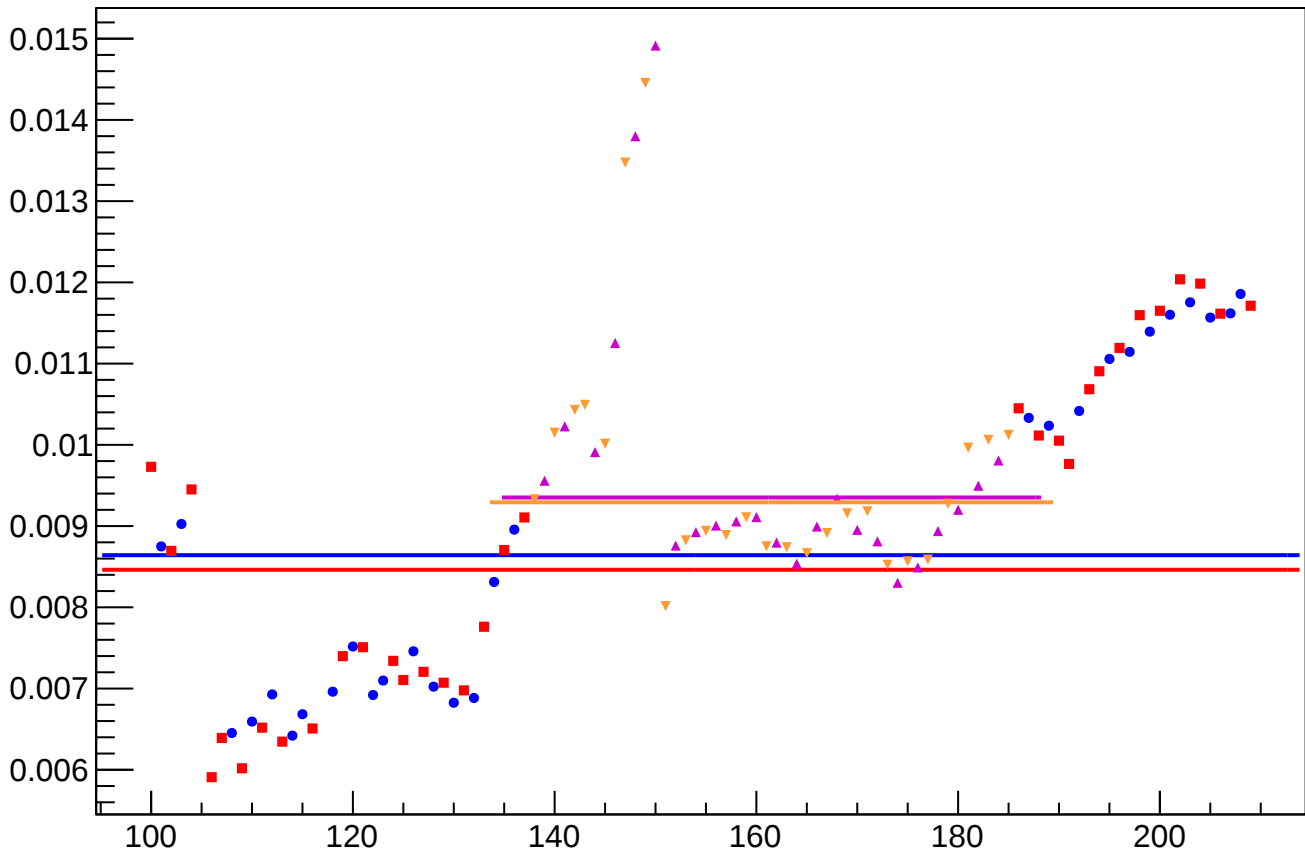
Right Out: 0.624 $\pm$ 0.000 χ^2 /NDF: 97702975399.0/31

All: 0.559 $\pm$ 0.000 χ^2 /NDF: 197679343644.0

- sign 0.548 $\pm$ 0.000 χ^2 /NDF: 108223250687.2/54

Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

yield_bpm2i02X_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1433207.8/27

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:528279.5/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1800007.3/31

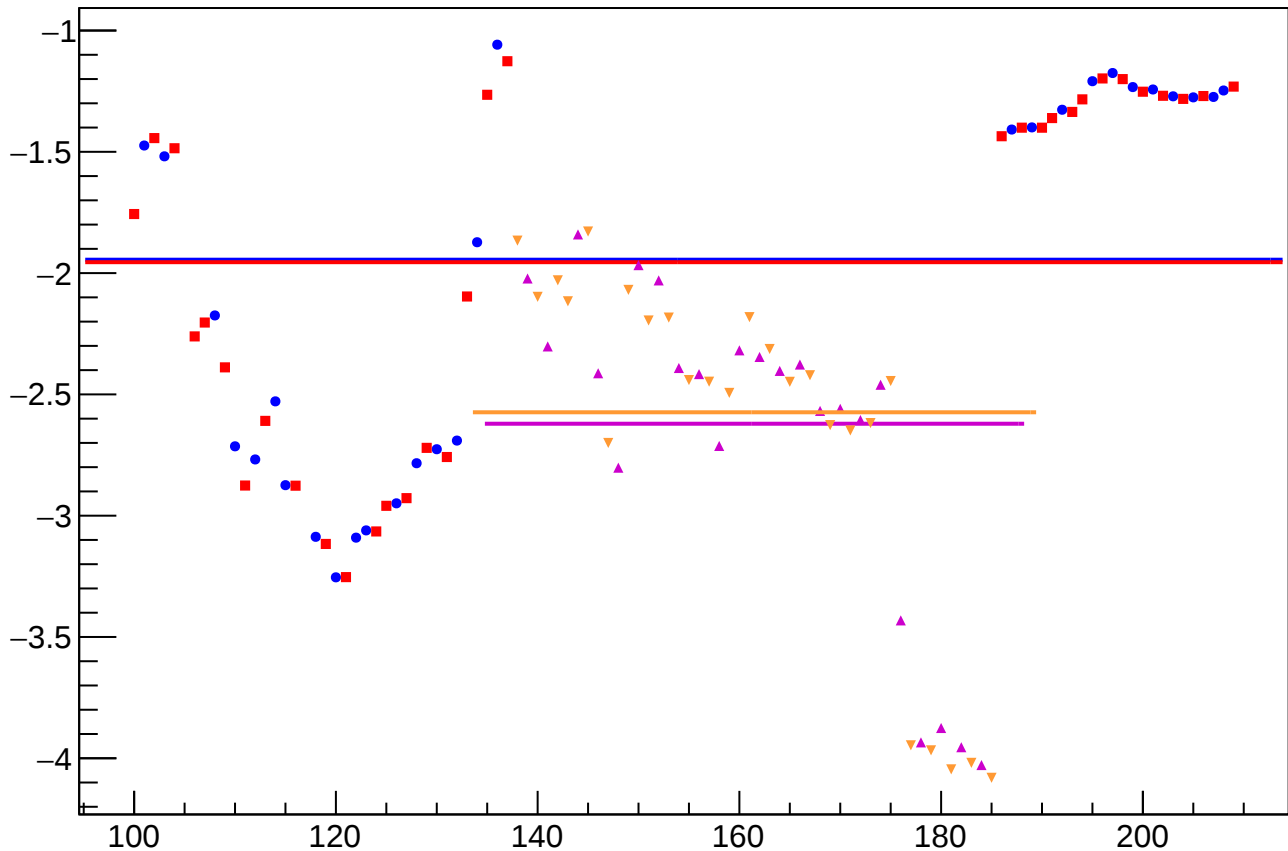
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:557555.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2044187.1/52

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4564349.9/107

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2516456.6/54

yield_bpm2i02Y_mean vs Slug



Right In: -1.945 ± 0.000 χ^2/NDF : 126717272423.7/27

Left Out: -2.574 ± 0.000 χ^2/NDF : 99176112704.9/24

Right Out: -1.955 ± 0.000 χ^2/NDF : 125340898124.3/31

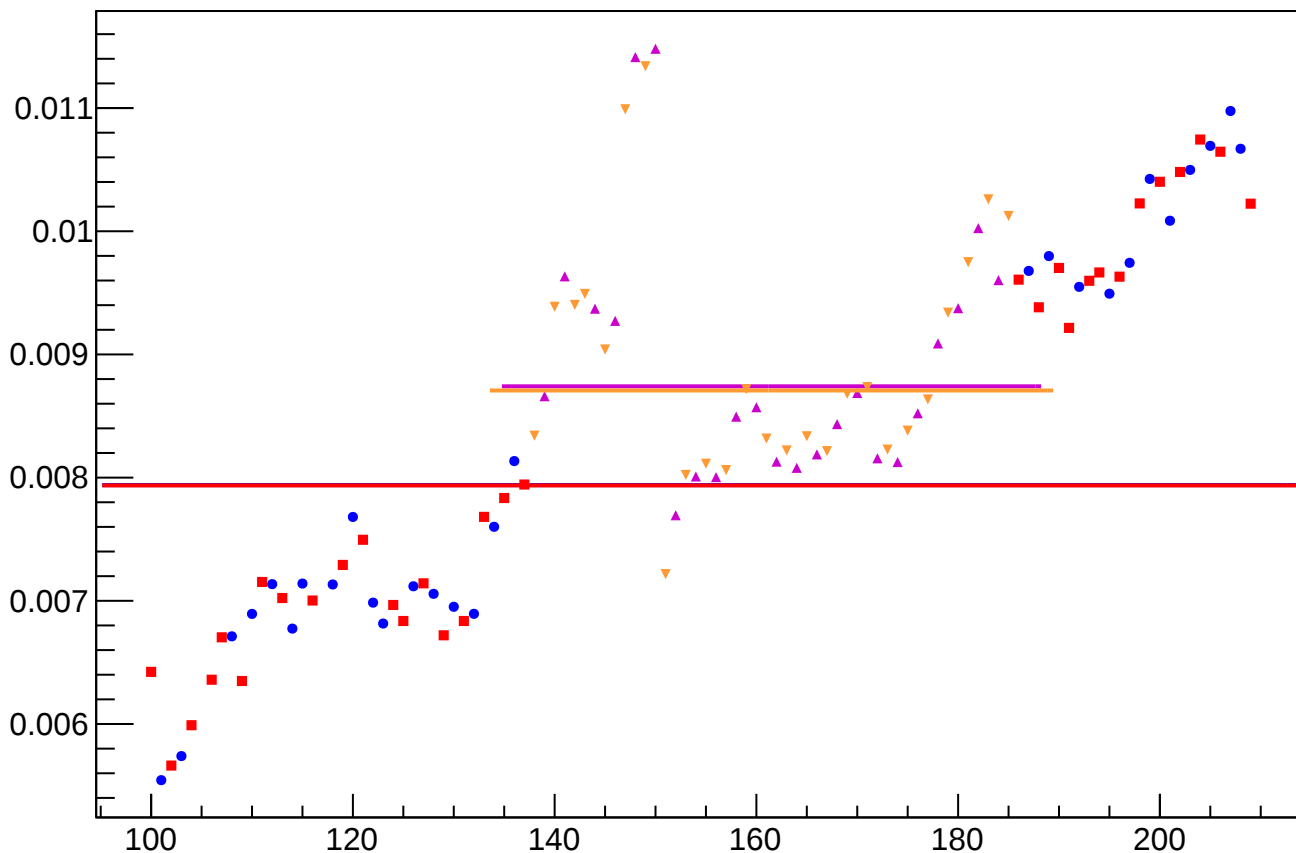
Left In: -2.621 ± 0.000 χ^2/NDF : 80862402796.4/22

+ sign -2.274 ± 0.000 χ^2/NDF : 271096799624.4/52

All: -2.275 ± 0.000 χ^2/NDF : 528807969017.8

- sign -2.276 ± 0.000 χ^2/NDF : 257709993752.9/54

yield_bpm2i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1306909.5/27

Left Out: 0.009+/-0.000 χ^2/NDF : 369376.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1307427.0/31

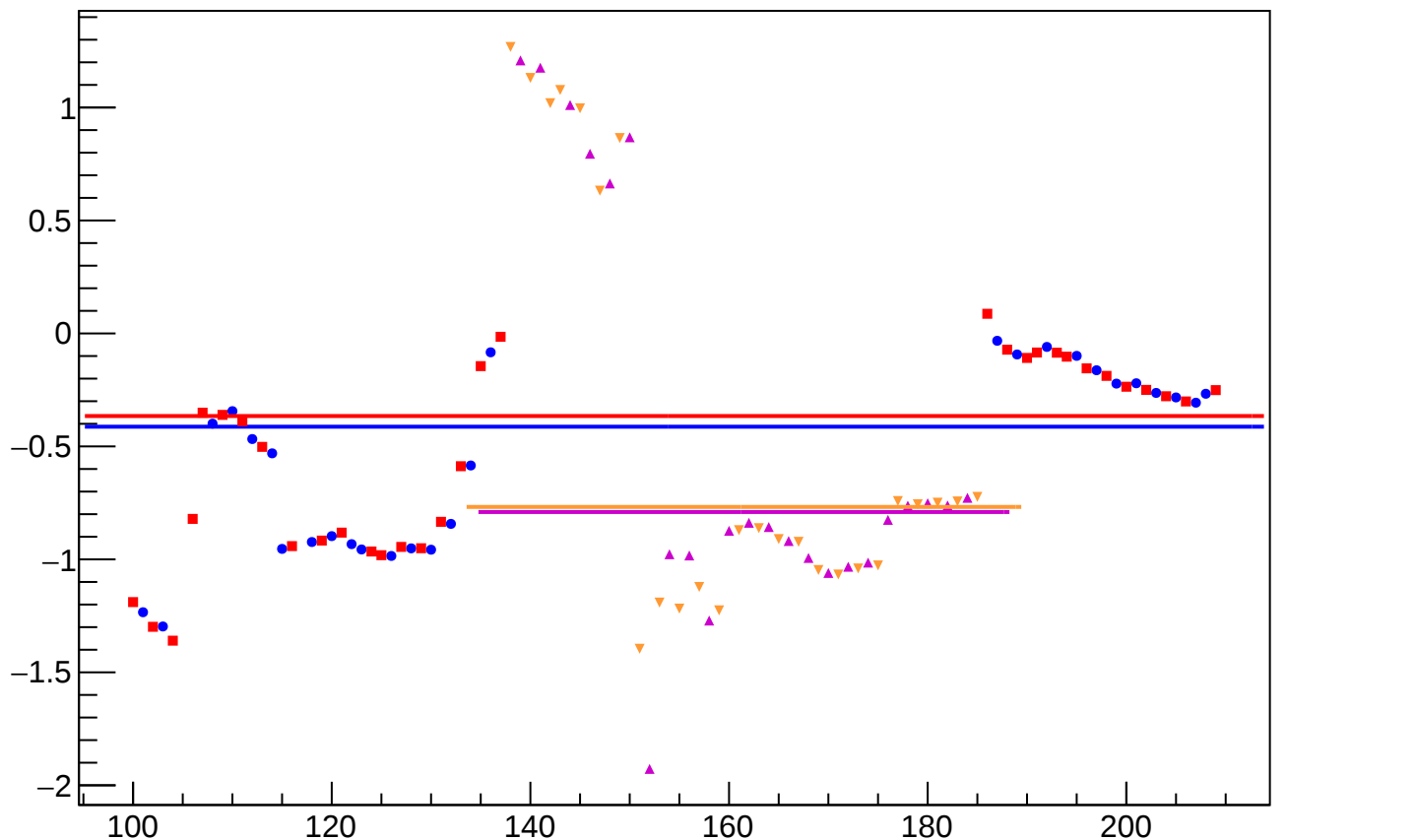
Left In: 0.009+/-0.000 χ^2/NDF : 353750.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 1811147.7/52

All: 0.008+/-0.000 χ^2/NDF : 3622763.8/107

- sign 0.008+/-0.000 χ^2/NDF : 1811490.9/54

yield_bpm0i01X_mean vs Slug



Right In: -0.413 ± 0.000 χ^2/NDF : 22642238690.7/27

Left Out: -0.768 ± 0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.366 ± 0.000 χ^2/NDF : 25228627994.9/31

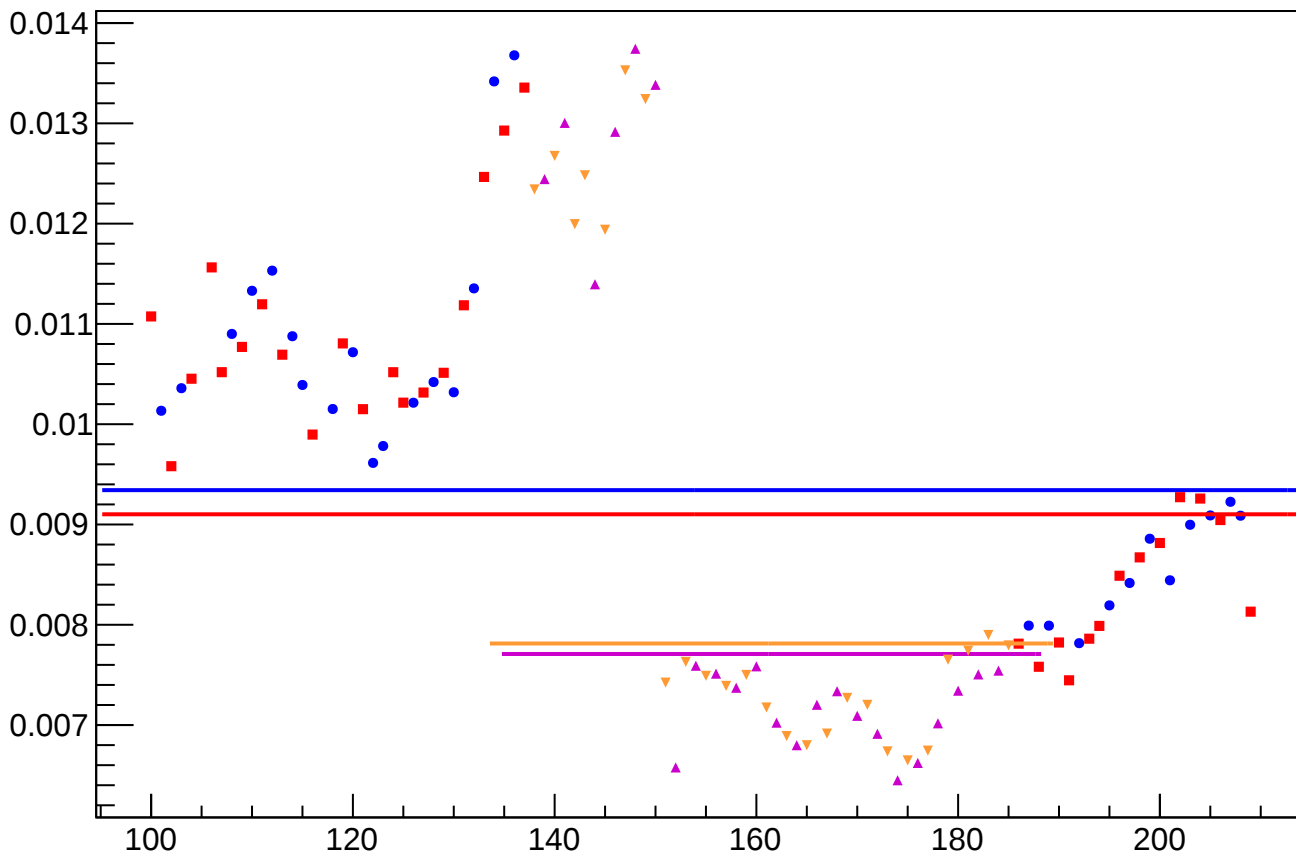
Left In: -0.790 ± 0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.639 ± 0.000 χ^2/NDF : 156272229679.8/52

All: -0.629 ± 0.000 χ^2/NDF : 324831771820.8

- sign -0.619 ± 0.000 χ^2/NDF : 168468736466.2/54

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 541988.8/27

Left Out: 0.008+/-0.000 χ^2/NDF :1705997.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 650304.6/31

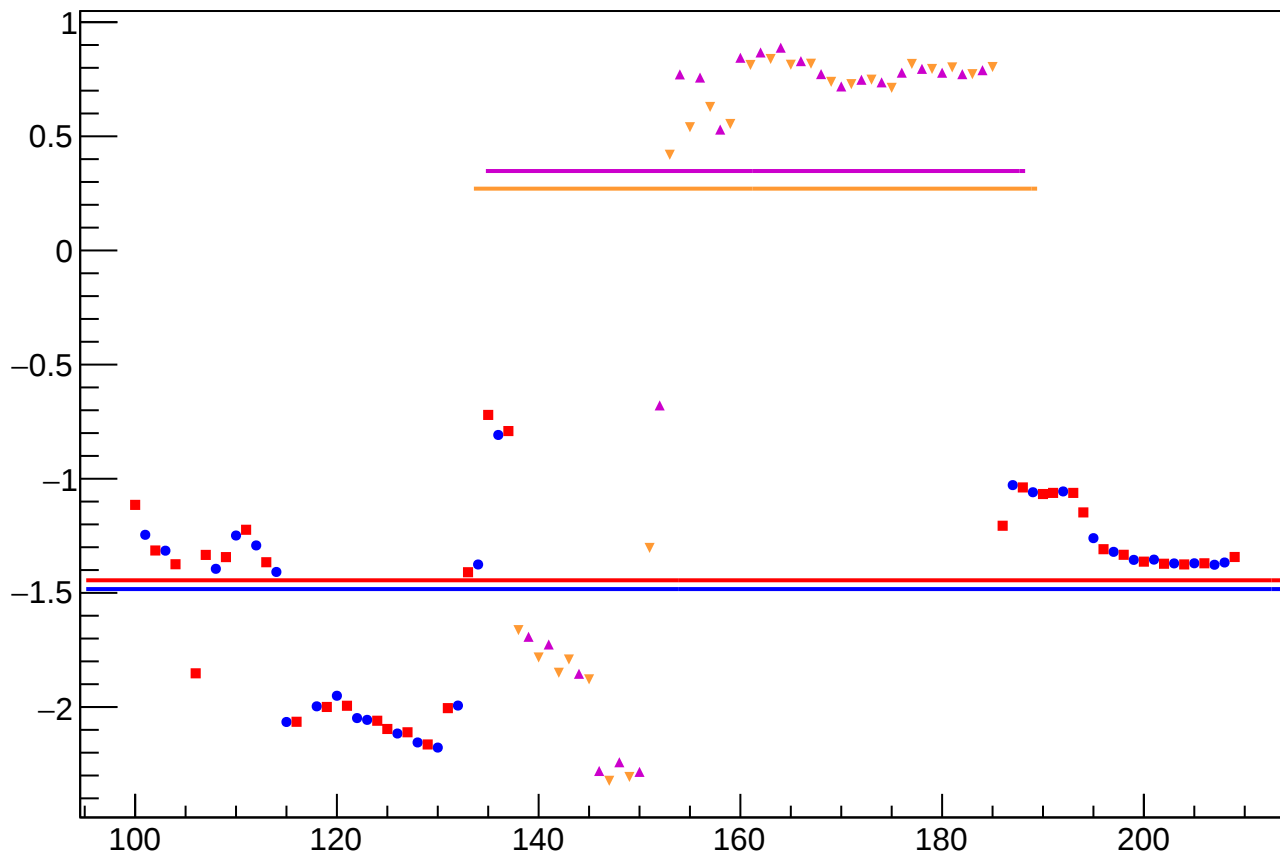
Left In: 0.008+/-0.000 χ^2/NDF :1746653.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 2725025.3/52

All: 0.008+/-0.000 χ^2/NDF : 5551885.5/107

- sign 0.008+/-0.000 χ^2/NDF : 2822661.6/54

yield_bpm0i01Y_mean vs Slug



Right In: -1.483+/-0.000 χ^2 /NDF: 174591746133.1/27

Left Out: 0.271+/-0.000 χ^2 /NDF: 2583233987355.9/24

Right Out: -1.445+/-0.000 χ^2 /NDF: 164443970114.8/31

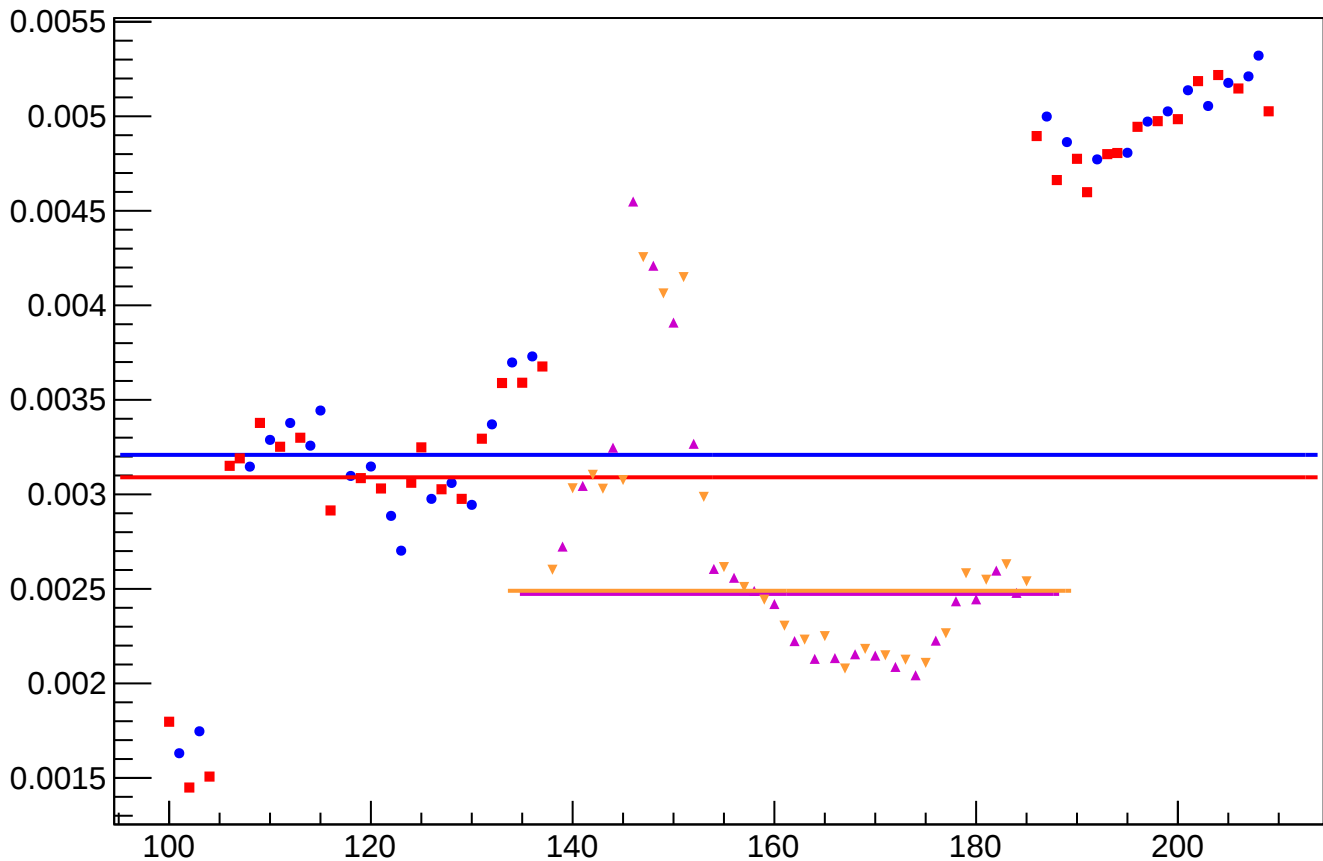
Left In: 0.348+/-0.000 χ^2 /NDF: 2274004426513.8/22

+ sign -0.263+/-0.000 χ^2 /NDF: 5214152256078.8/5

All: -0.268+/-0.000 χ^2 /NDF: 1041710549385

- sign -0.273+/-0.000 χ^2 /NDF: 5202770985208.5/5

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 +/- 0.000 χ^2/NDF : 3666607.7/27

Left Out: 0.002 +/- 0.000 χ^2/NDF : 1070282.7/24

Right Out: 0.003 +/- 0.000 χ^2/NDF : 4748534.9/31

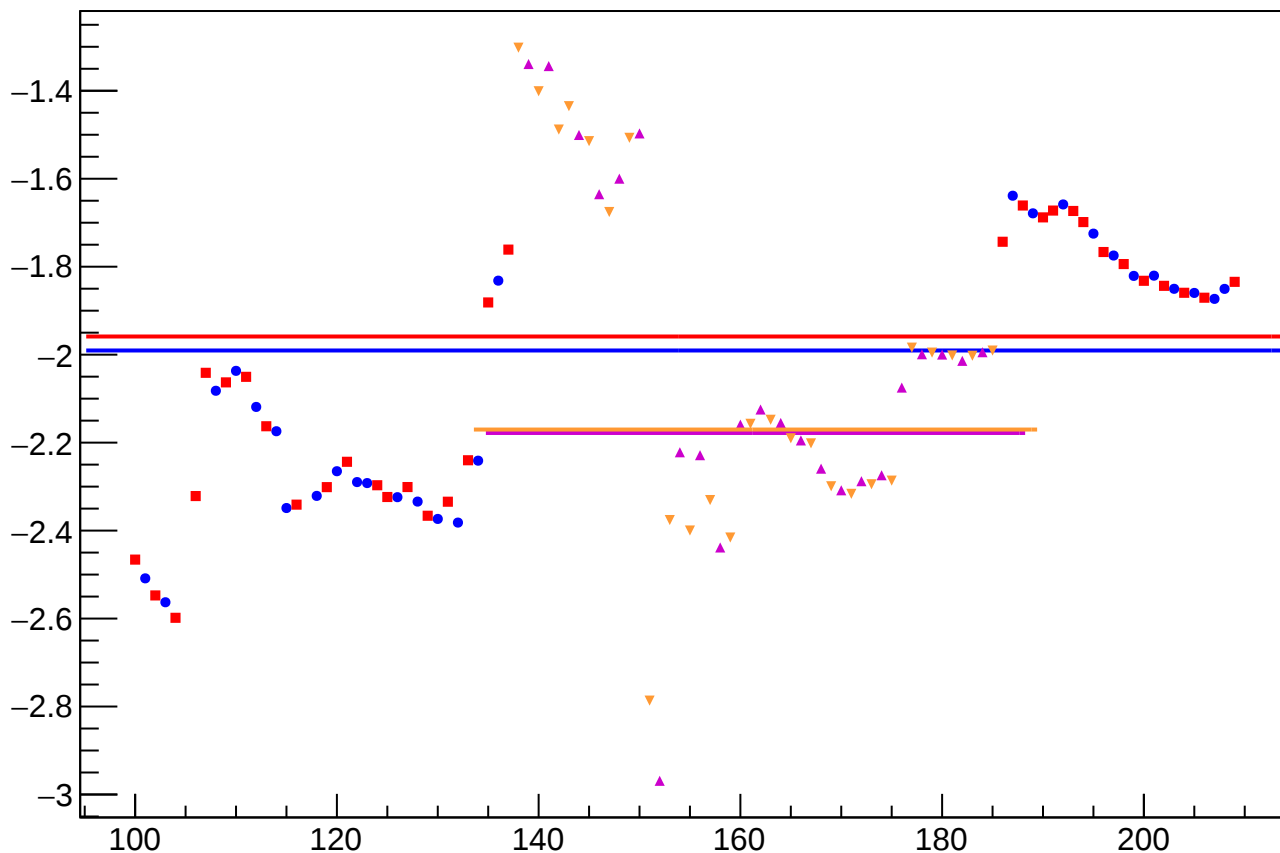
Left In: 0.002 +/- 0.000 χ^2/NDF : 1135279.8/22

+ sign 0.003 +/- 0.000 χ^2/NDF : 5562198.5/52

All: 0.003 +/- 0.000 χ^2/NDF : 12102441.5/107

- sign 0.003 +/- 0.000 χ^2/NDF : 6538445.7/54

yield_bpm0i01aX_mean vs Slug



Right In: -1.990 ± 0.000 χ^2/NDF : 30839406064.9/27

Left Out: -2.170 ± 0.000 χ^2/NDF : 59967315241.9/24

Right Out: -1.959 ± 0.000 χ^2/NDF : 35142540150.7/31

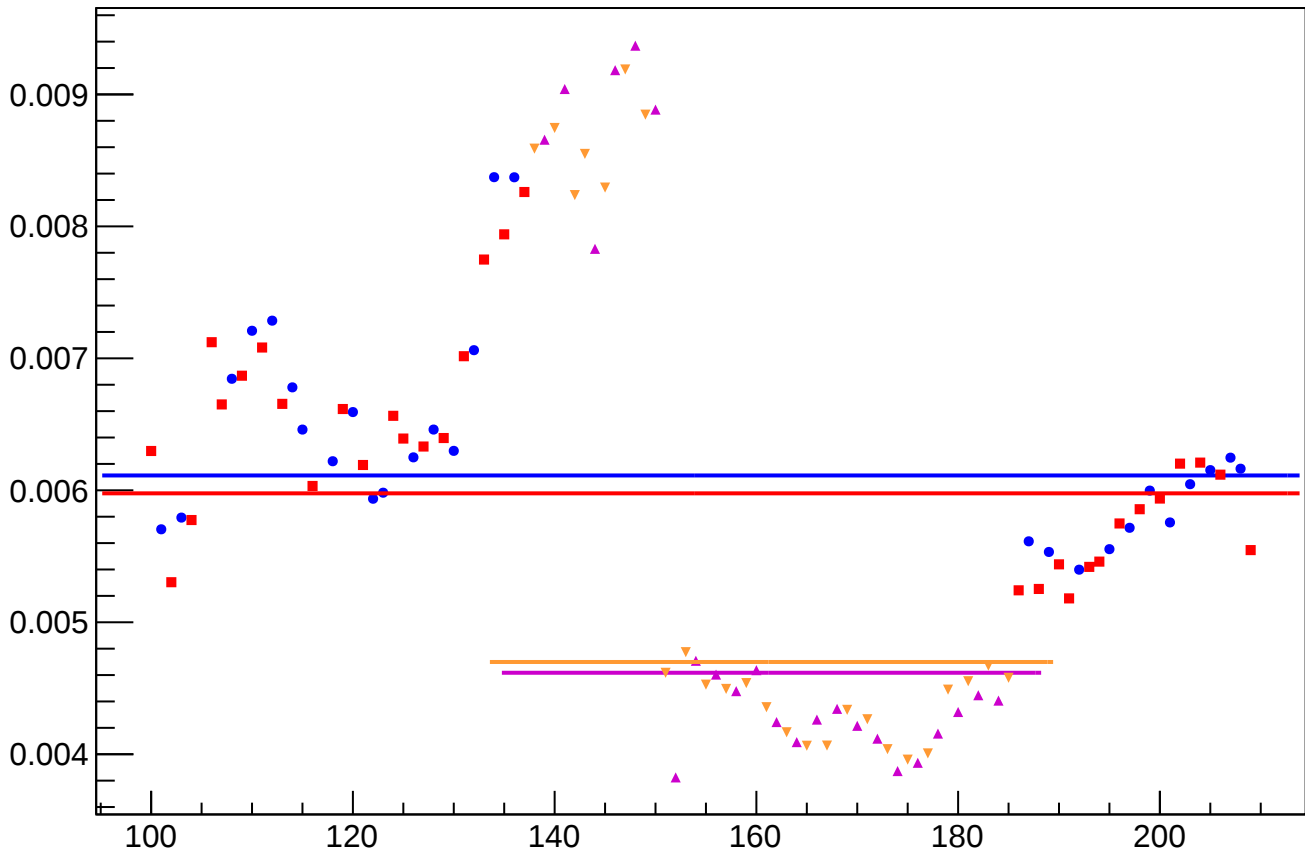
Left In: -2.178 ± 0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.111 ± 0.000 χ^2/NDF : 98876656618.9/52

All: -2.104 ± 0.000 χ^2/NDF : 220506353167.3

- sign -2.097 ± 0.000 χ^2/NDF : 121524860386.2/54

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 302819.6/27

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 362633.0/31

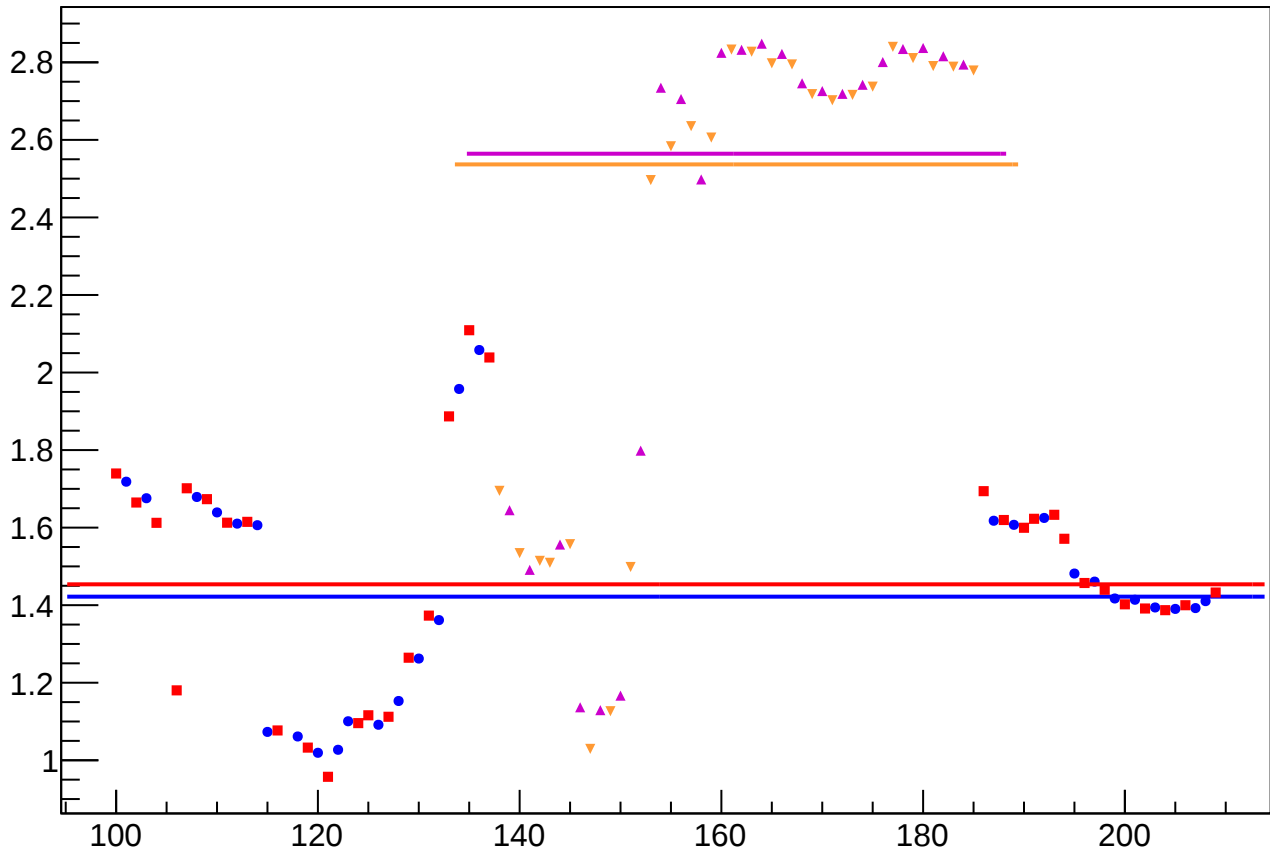
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3620519.3/52

All: 0.005+/-0.000 χ^2/NDF : 7350654.6/107

- sign 0.005+/-0.000 χ^2/NDF : 3727456.2/54

yield_bpm0i01aY_mean vs Slug



Right In: 1.422+/-0.000 χ^2/NDF : 174159204898.9/27

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.454+/-0.000 χ^2/NDF : 176992826727.0/31

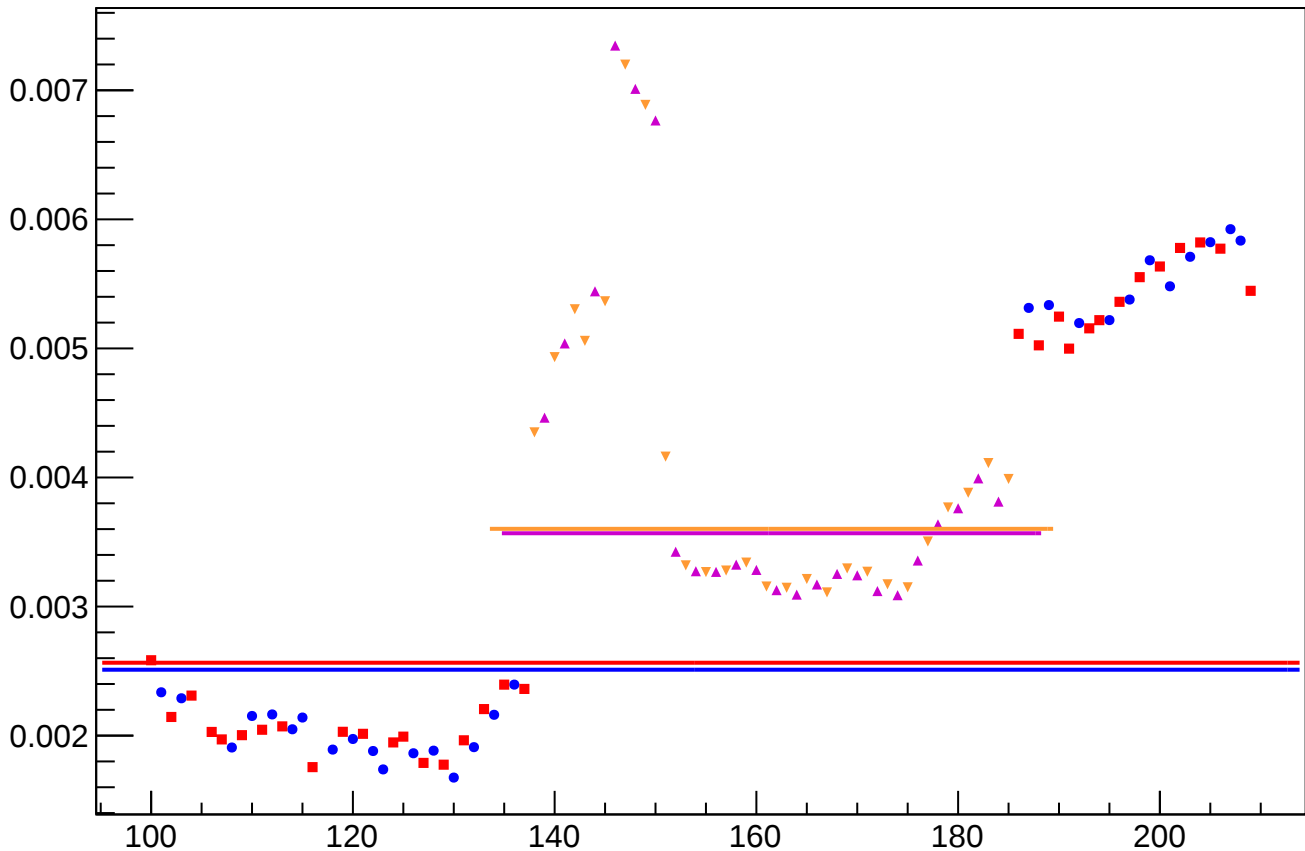
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.892+/-0.000 χ^2/NDF : 1369702595278.2/52

All: 1.893+/-0.000 χ^2/NDF : 2720263382888.

- sign 1.894+/-0.000 χ^2/NDF : 1350556628157.7/54

yield_bpm0i01aY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 5498292.5/27

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.003+/-0.000 χ^2/NDF : 5832600.9/31

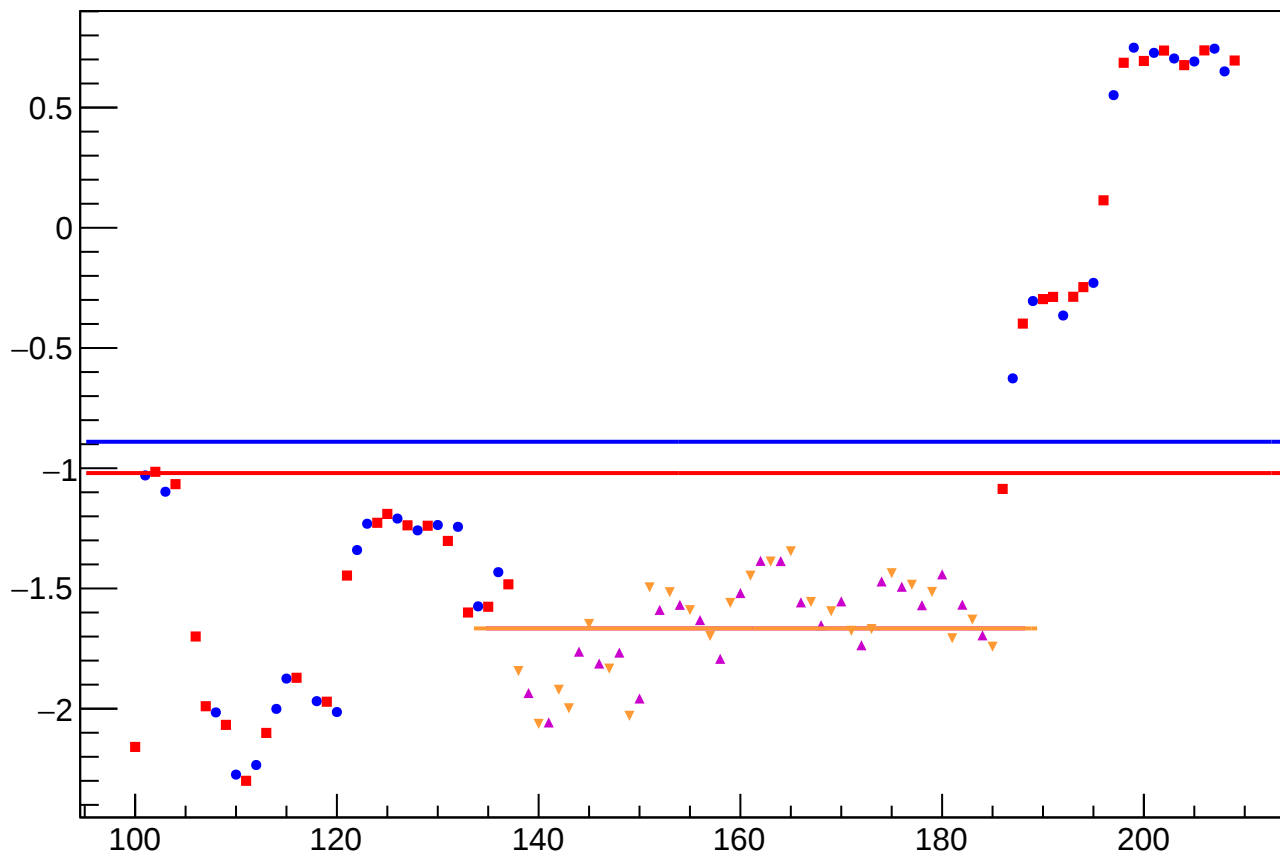
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 8684899.9/52

All: 0.003+/-0.000 χ^2/NDF : 17571322.0/107

- sign 0.003+/-0.000 χ^2/NDF : 8886185.0/54

yield_bpm0l01X_mean vs Slug



Right In: -0.890 ± 0.000 $\chi^2/\text{NDF}: 193328540363.0/27$

Left Out: -1.666 ± 0.000 $\chi^2/\text{NDF}: 18325162131.2/24$

Right Out: -1.020 ± 0.000 $\chi^2/\text{NDF}: 222337166541.1/31$

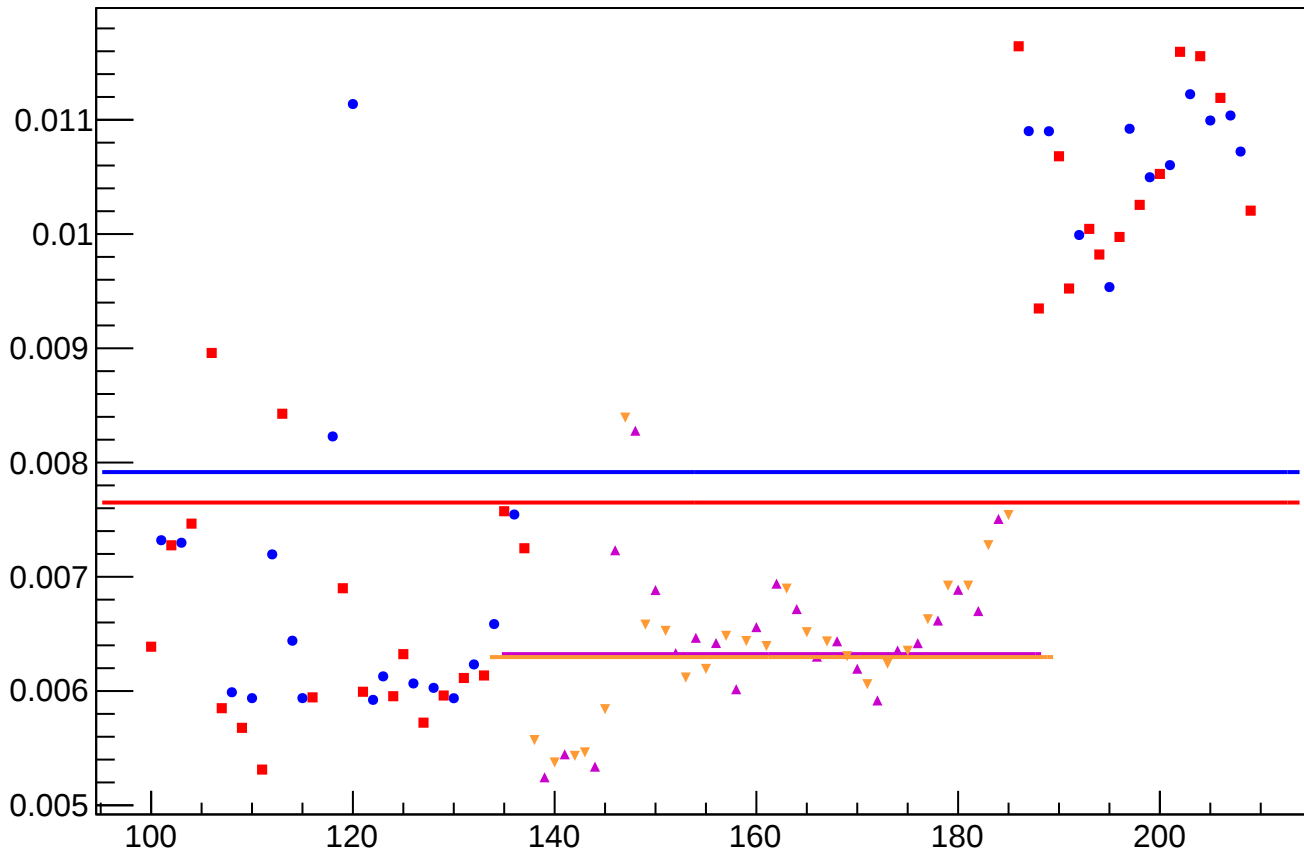
Left In: -1.666 ± 0.000 $\chi^2/\text{NDF}: 14292570816.9/22$

+ sign -1.419 ± 0.000 $\chi^2/\text{NDF}: 296149142200.4/52$

All: -1.423 ± 0.000 $\chi^2/\text{NDF}: 596408674032.0$

- sign -1.426 ± 0.000 $\chi^2/\text{NDF}: 300244604888.9/54$

yield_bpm0l01X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1676132.2/27

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:310757.0/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 2005275.5/31

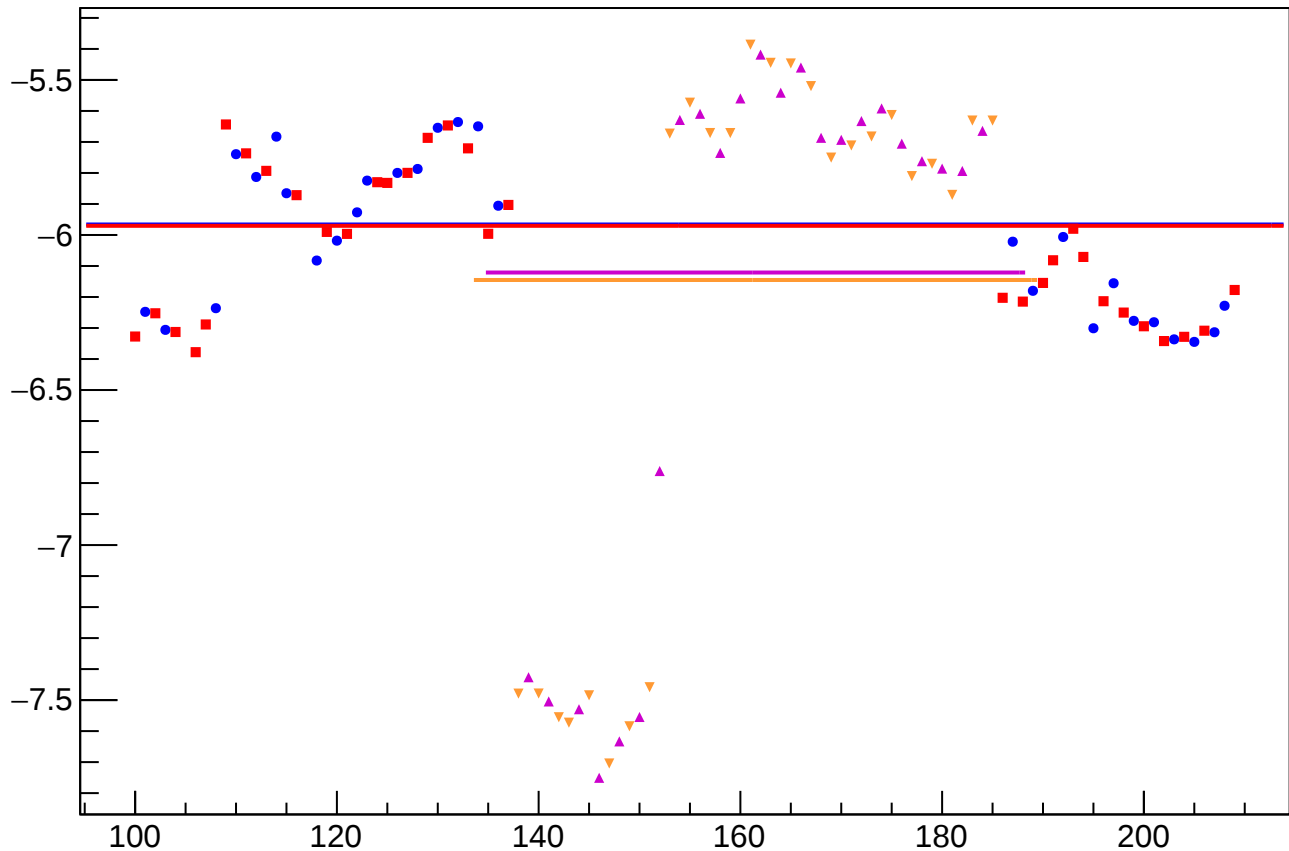
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:330859.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2722227.3/52

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 5594878.1/107

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2872640.6/54

yield_bpm0l01Y_mean vs Slug



Right In: -5.966+/-0.000 χ^2 /NDF: 15254370871.3/27

Left Out: -6.145+/-0.000 χ^2 /NDF:185364150237.7/24

Right Out: -5.970+/-0.000 χ^2 /NDF: 16540044701.7/31

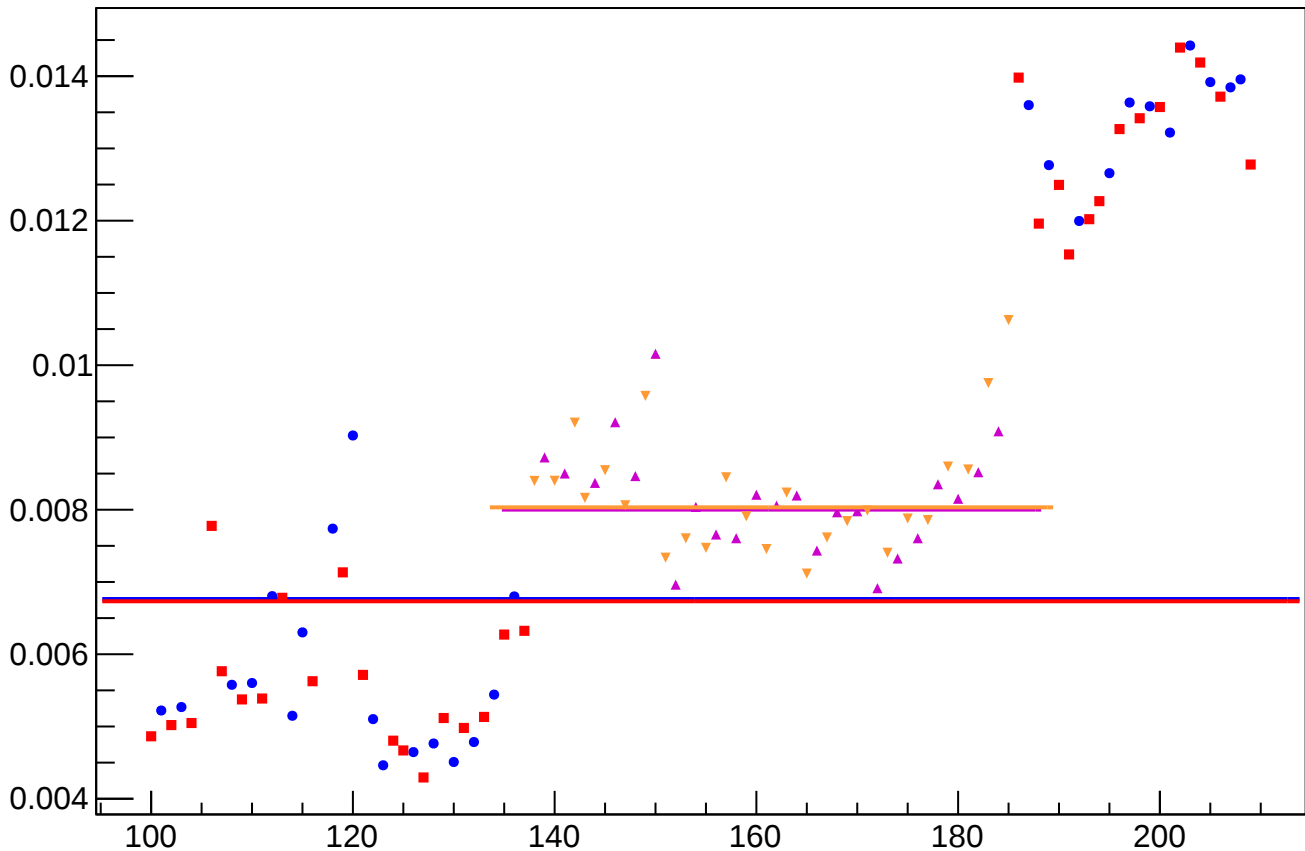
Left In: -6.121+/-0.000 χ^2 /NDF:158315913062.3/22

+ sign -6.058+/-0.000 χ^2 /NDF: 204627036759.2/52

All: -6.050+/-0.000 χ^2 /NDF: 382486916499.5

- sign -6.042+/-0.000 χ^2 /NDF: 177794226321.1/54

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 4777185.7/27

Left Out: 0.008+/-0.000 χ^2/NDF : 205762.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 5053424.9/31

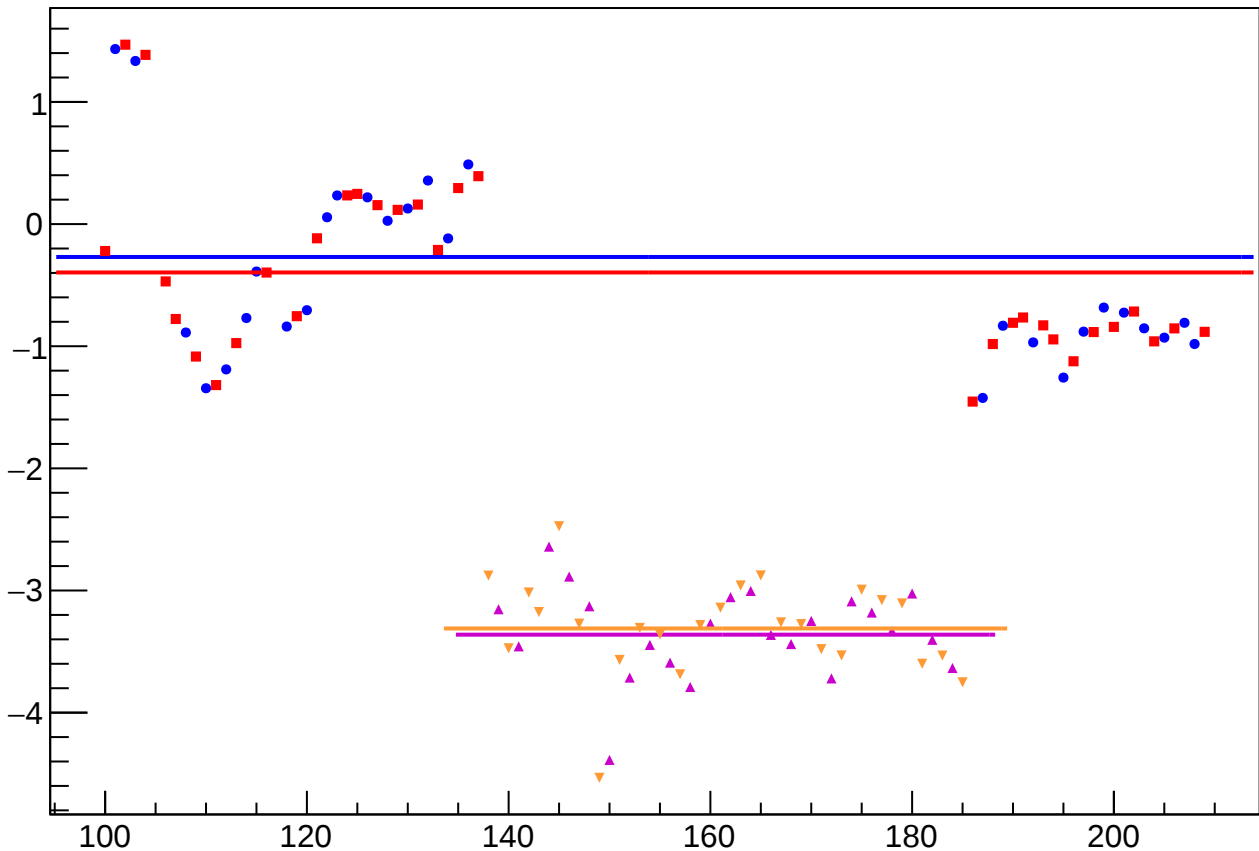
Left In: 0.008+/-0.000 χ^2/NDF : 220756.1/22

+ sign 0.007+/-0.000 χ^2/NDF : 5385872.3/52

All: 0.007+/-0.000 χ^2/NDF : 11079910.5/107

- sign 0.007+/-0.000 χ^2/NDF : 5690822.4/54

yield_bpm0l02X_mean vs Slug



Right In: -0.269 ± 0.000 χ^2/NDF : 31670588295.0/27

Left Out: -3.311 ± 0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.396 ± 0.000 χ^2/NDF : 32886075854.2/31

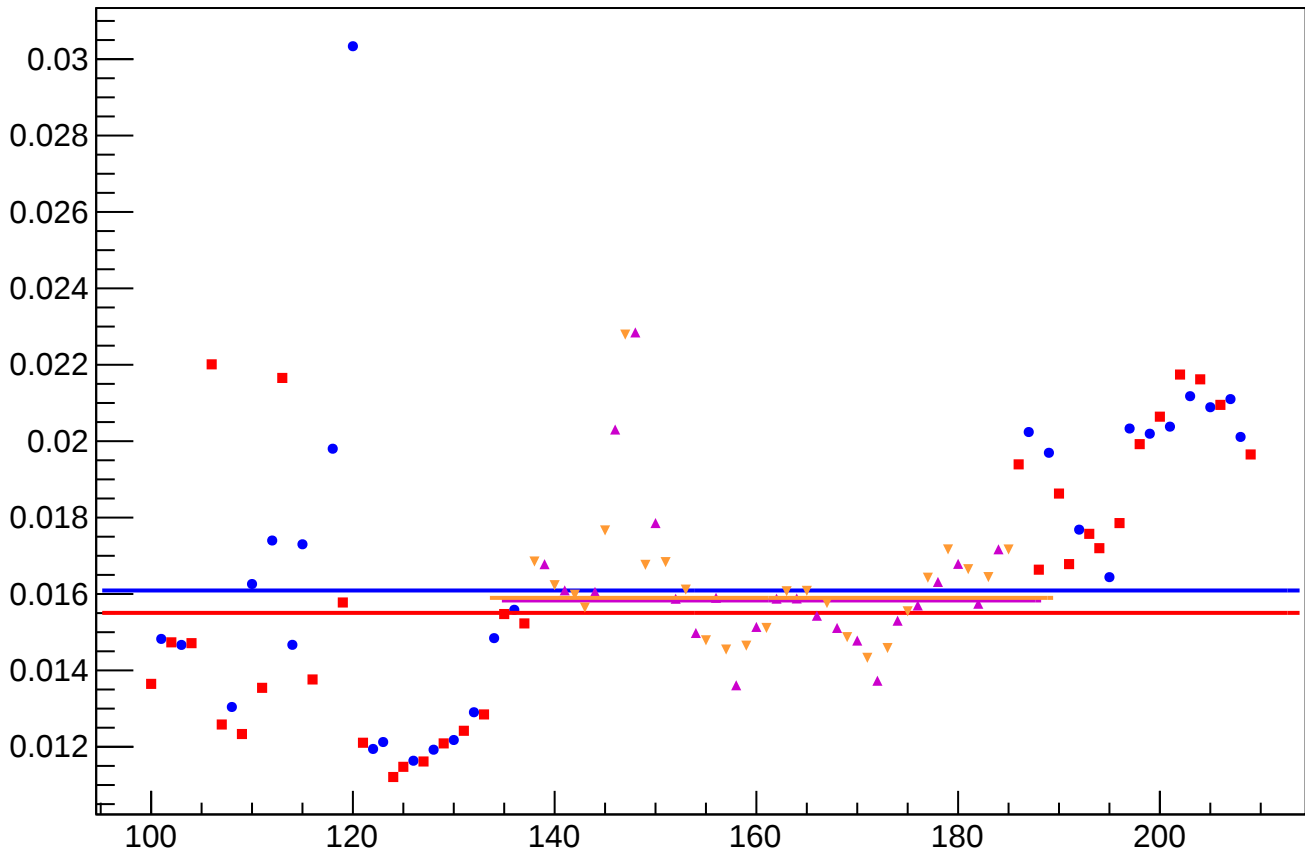
Left In: -3.362 ± 0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.037 ± 0.000 χ^2/NDF : 311938773935.4/52

All: -1.993 ± 0.000 χ^2/NDF : 630831874865.5

- sign -1.950 ± 0.000 χ^2/NDF : 318424481192.8/54

yield_bpm0l02X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 1265342.1/27

Left Out: 0.016+/-0.000 χ^2/NDF : 251912.7/24

Right Out: 0.016+/-0.000 χ^2/NDF : 1328250.1/31

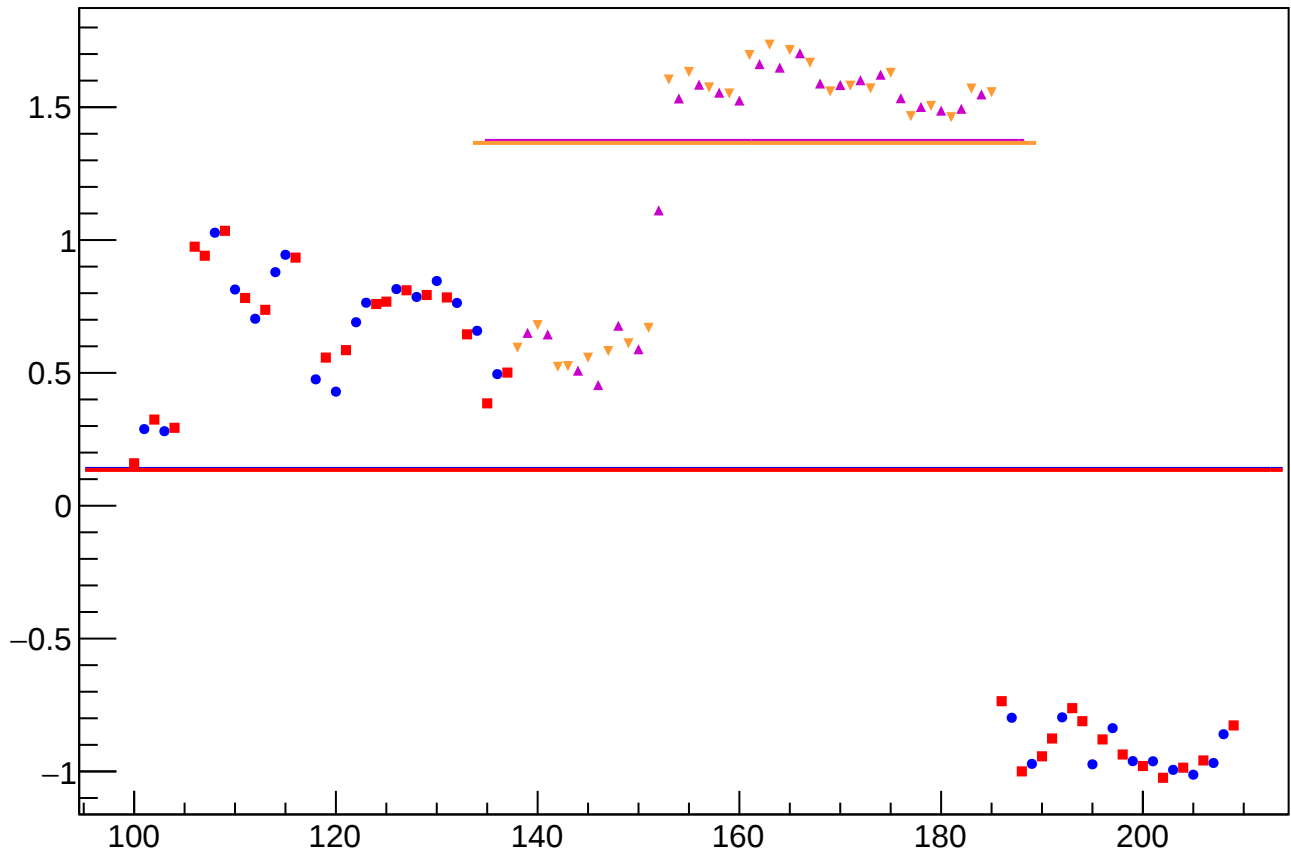
Left In: 0.016+/-0.000 χ^2/NDF : 339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 1519448.1/52

All: 0.016+/-0.000 χ^2/NDF : 3205257.5/107

- sign 0.016+/-0.000 χ^2/NDF : 1674456.2/54

yield_bpm0l02Y_mean vs Slug



Right In: 0.139+/-0.000 χ^2/NDF : 75915188055.6/27

Left Out: 1.366+/-0.000 χ^2/NDF : 74741956067.9/24

Right Out: 0.135+/-0.000 χ^2/NDF : 88376795283.4/31

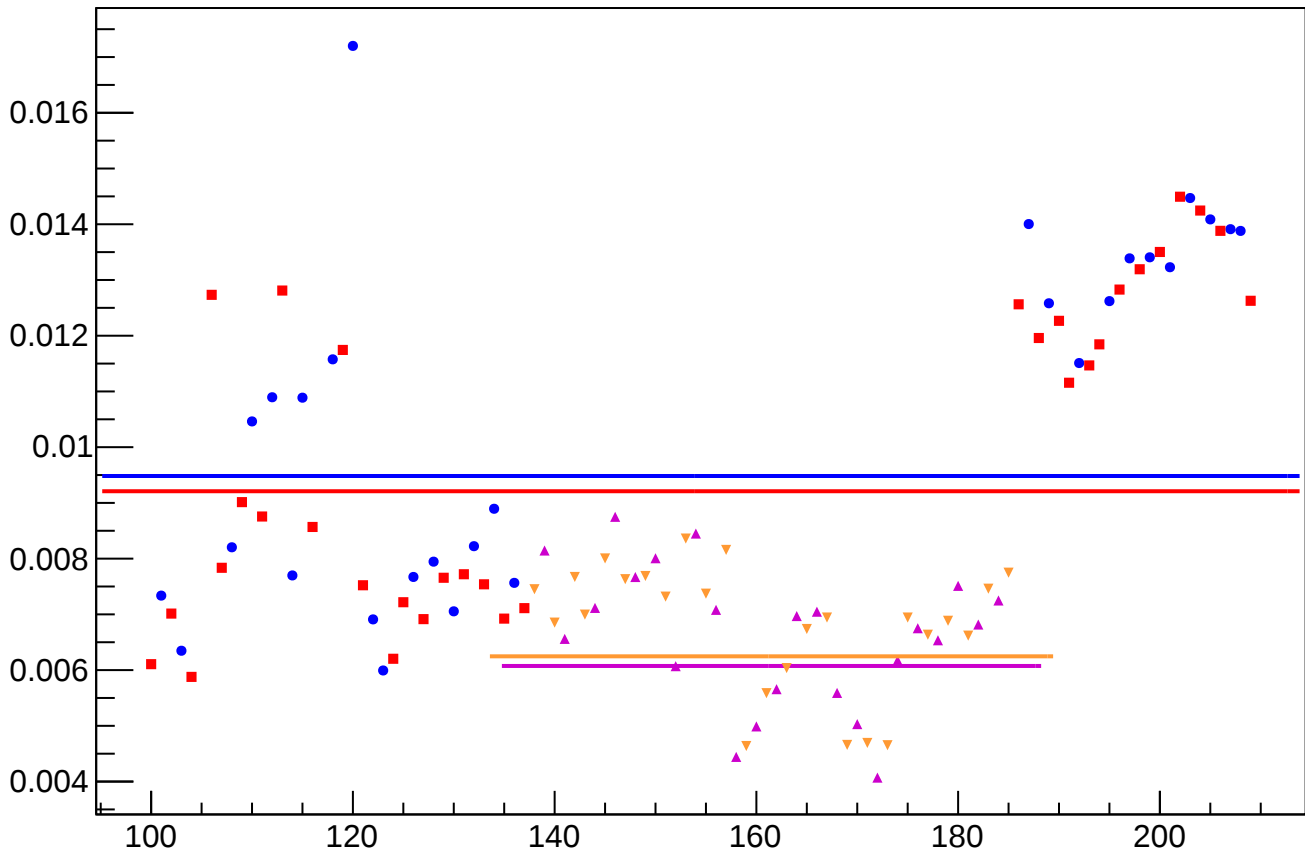
Left In: 1.373+/-0.000 χ^2/NDF : 63413151416.3/22

+ sign 1.066+/-0.000 χ^2/NDF : 307376818400.3/52

All: 1.050+/-0.000 χ^2/NDF : 638195353789.6

- sign 1.035+/-0.000 χ^2/NDF : 330554243426.0/54

yield_bpm0l02Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 2246406.4/27

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2408871.0/31

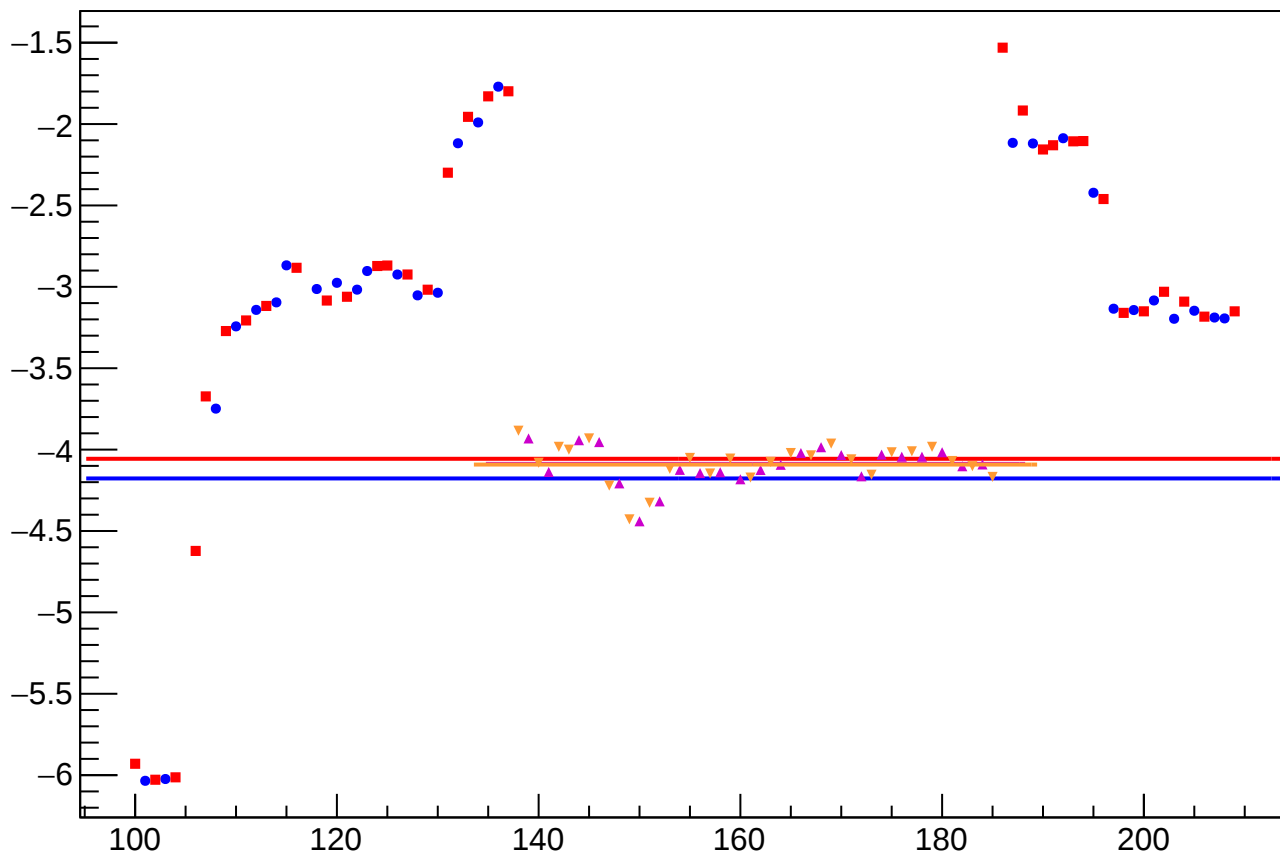
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 5757129.2/52

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 11896420.9/107

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 6132509.1/54

yield_bpm0l03X_mean vs Slug



Right In: -4.177 ± 0.000 $\chi^2/\text{NDF}: 280122231503.4/27$

Left Out: -4.092 ± 0.000 $\chi^2/\text{NDF}: 39806766.7/24$

Right Out: -4.056 ± 0.000 $\chi^2/\text{NDF}: 271236419008.8/31$

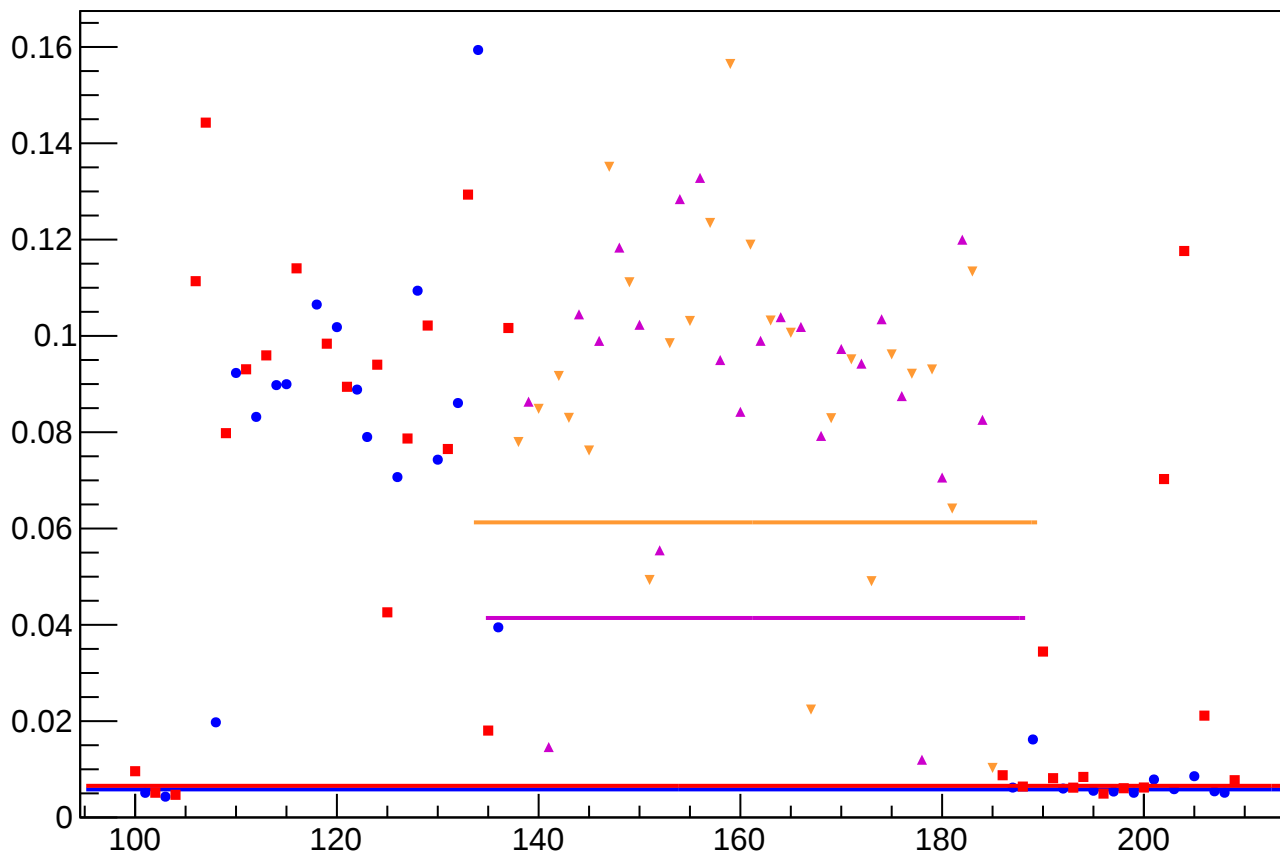
Left In: -4.088 ± 0.000 $\chi^2/\text{NDF}: 34412880.7/22$

+ sign -4.175 ± 0.000 $\chi^2/\text{NDF}: 280183022138.7/52$

All: -4.125 ± 0.000 $\chi^2/\text{NDF}: 552136112100.7$

- sign -4.058 ± 0.000 $\chi^2/\text{NDF}: 271274803834.4/54$

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8075910.6/27

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 10338282.8/31

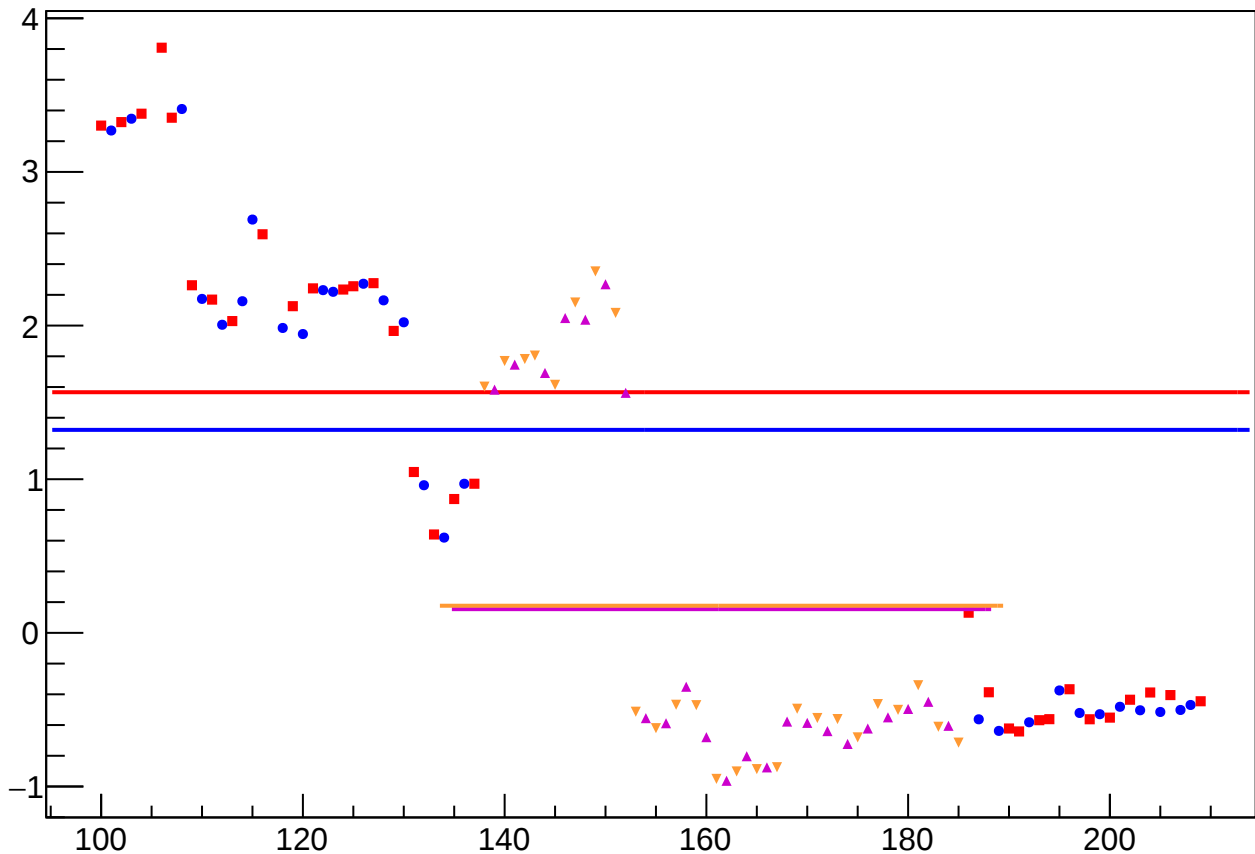
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 34128107.7/52

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 67550796.2/107

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33312084.4/54

yield_bpm0l03Y_mean vs Slug



Right In: 1.321+/-0.000 χ^2/NDF : 212823786877.7/27

Left Out: 0.177+/-0.000 χ^2/NDF : 3275313367.7/24

Right Out: 1.566+/-0.000 χ^2/NDF : 174525103075.3/31

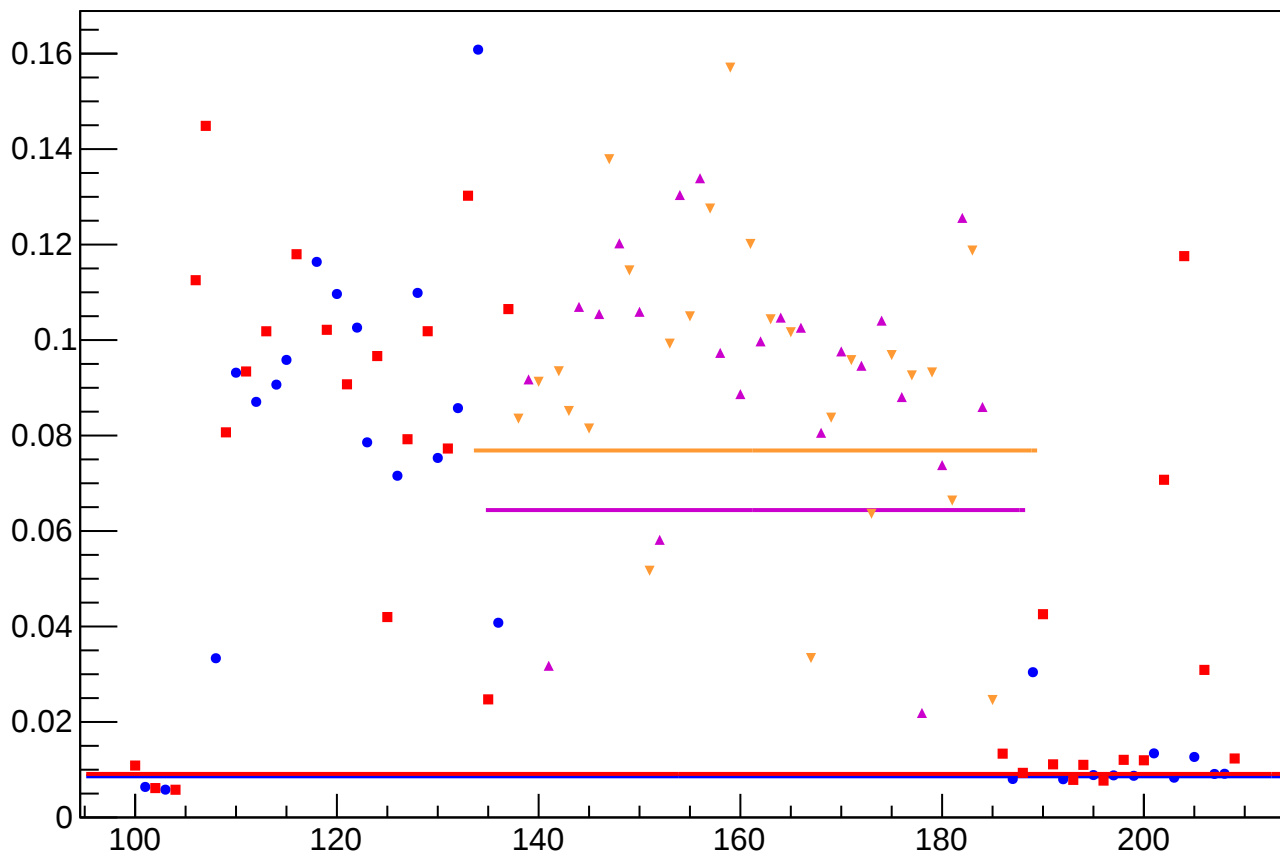
Left In: 0.154+/-0.000 χ^2/NDF : 3163553595.0/22

+ sign 1.279+/-0.000 χ^2/NDF : 218960041826.4/52

All: 1.378+/-0.000 χ^2/NDF : 402853917594.3

- sign 1.496+/-0.000 χ^2/NDF : 182574031995.5/54

yield_bpm0l03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 8030571.9/27

Left Out: 0.077+/-0.000 χ^2/NDF : 4217954.3/24

Right Out: 0.009+/-0.000 χ^2/NDF : 10315744.4/31

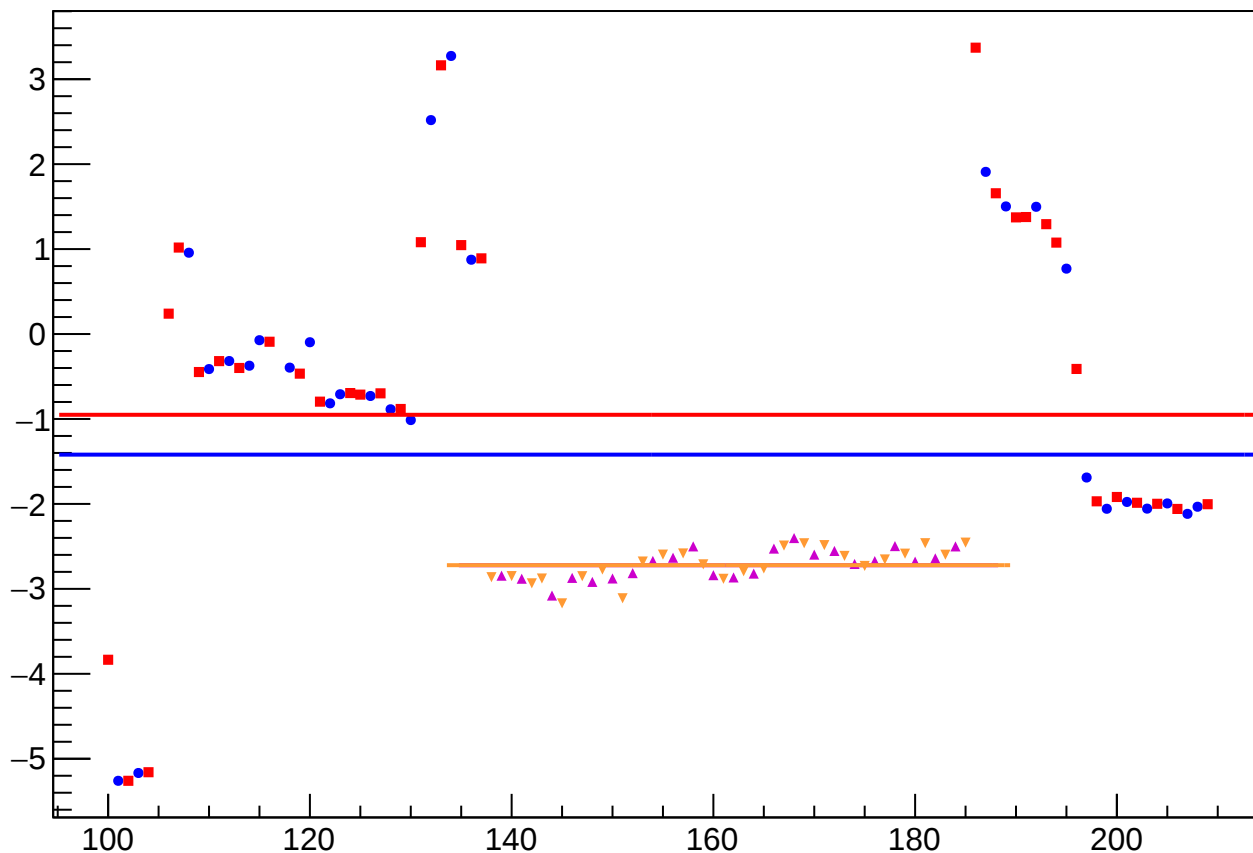
Left In: 0.064+/-0.000 χ^2/NDF : 6990231.5/22

+ sign 0.011+/-0.000 χ^2/NDF : 32591086.8/52

All: 0.011+/-0.000 χ^2/NDF : 64900056.1/107

- sign 0.012+/-0.000 χ^2/NDF : 32277794.1/54

yield_bpm0l04X_mean vs Slug



Right In: -1.420 ± 0.000 χ^2/NDF : 206178102980.1/27

Left Out: -2.721 ± 0.000 χ^2/NDF : 10397156971.6/24

Right Out: -0.951 ± 0.000 χ^2/NDF : 237516836441.3/31

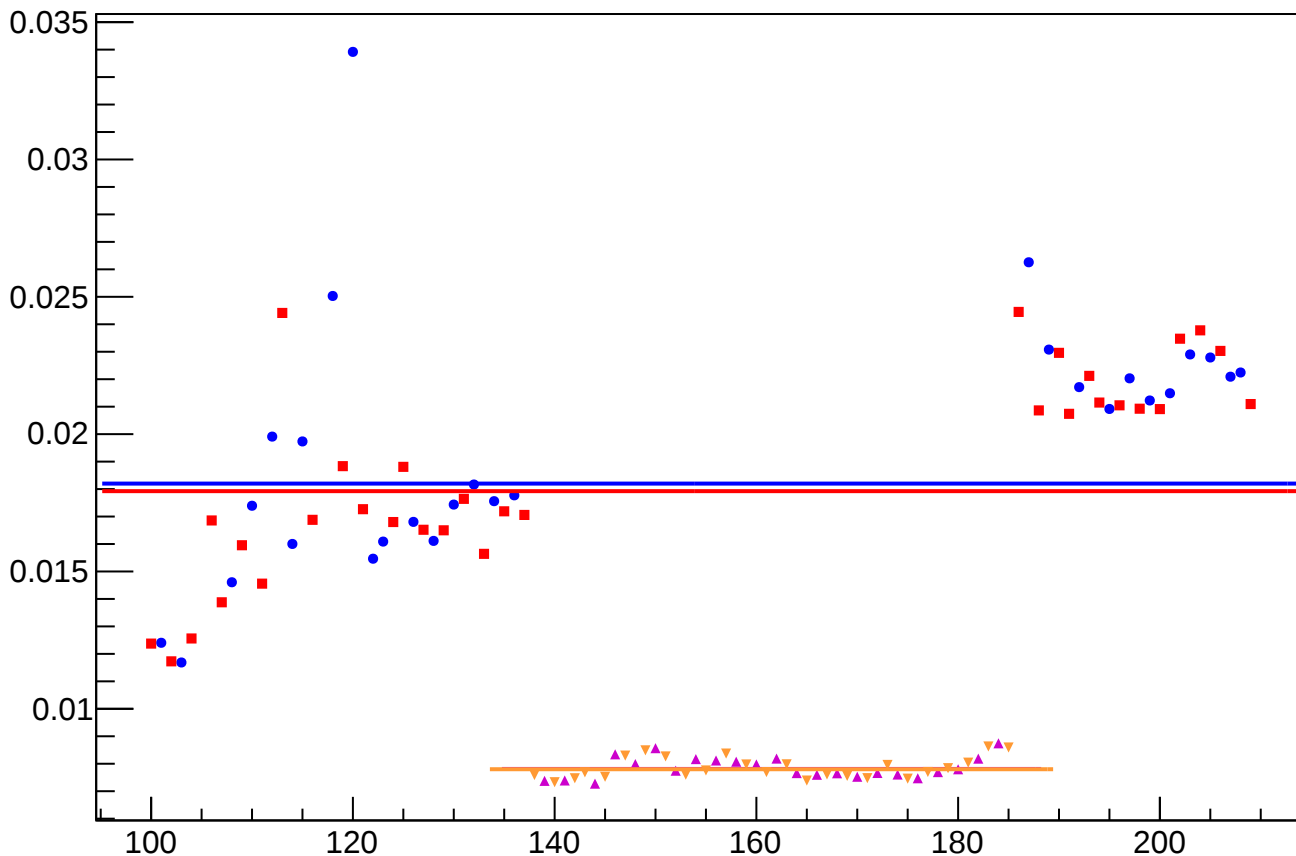
Left In: -2.722 ± 0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.569 ± 0.000 χ^2/NDF : 274073147090.1/52

All: -2.523 ± 0.000 χ^2/NDF : 640520604032.6

- sign -2.476 ± 0.000 χ^2/NDF : 365028185080.1/54

yield_bpm0l04X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF : 1347585.1/27

Left Out: 0.008+/-0.000 χ^2/NDF : 71164.4/24

Right Out: 0.018+/-0.000 χ^2/NDF : 1272161.7/31

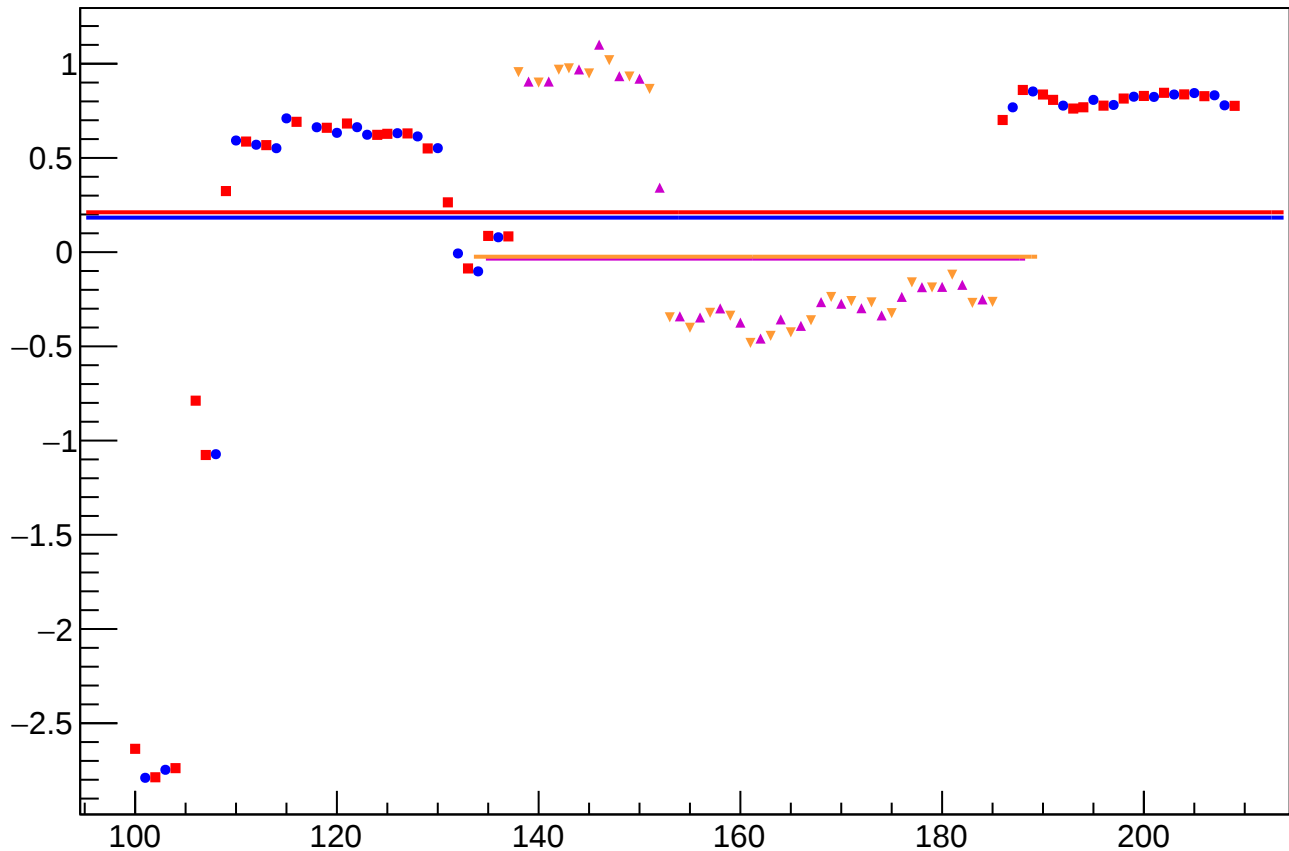
Left In: 0.008+/-0.000 χ^2/NDF : 67610.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 8761460.8/52

All: 0.009+/-0.000 χ^2/NDF : 17898864.3/107

- sign 0.009+/-0.000 χ^2/NDF : 9124087.0/54

yield_bpm0l04Y_mean vs Slug



Right In: 0.183 $\pm$ 0.000 χ^2 /NDF: 872393117164.5/27

Left Out: -0.024 $\pm$ 0.000 χ^2 /NDF: 135451649275.0/24

Right Out: 0.212 $\pm$ 0.000 χ^2 /NDF: 937248018537.4/31

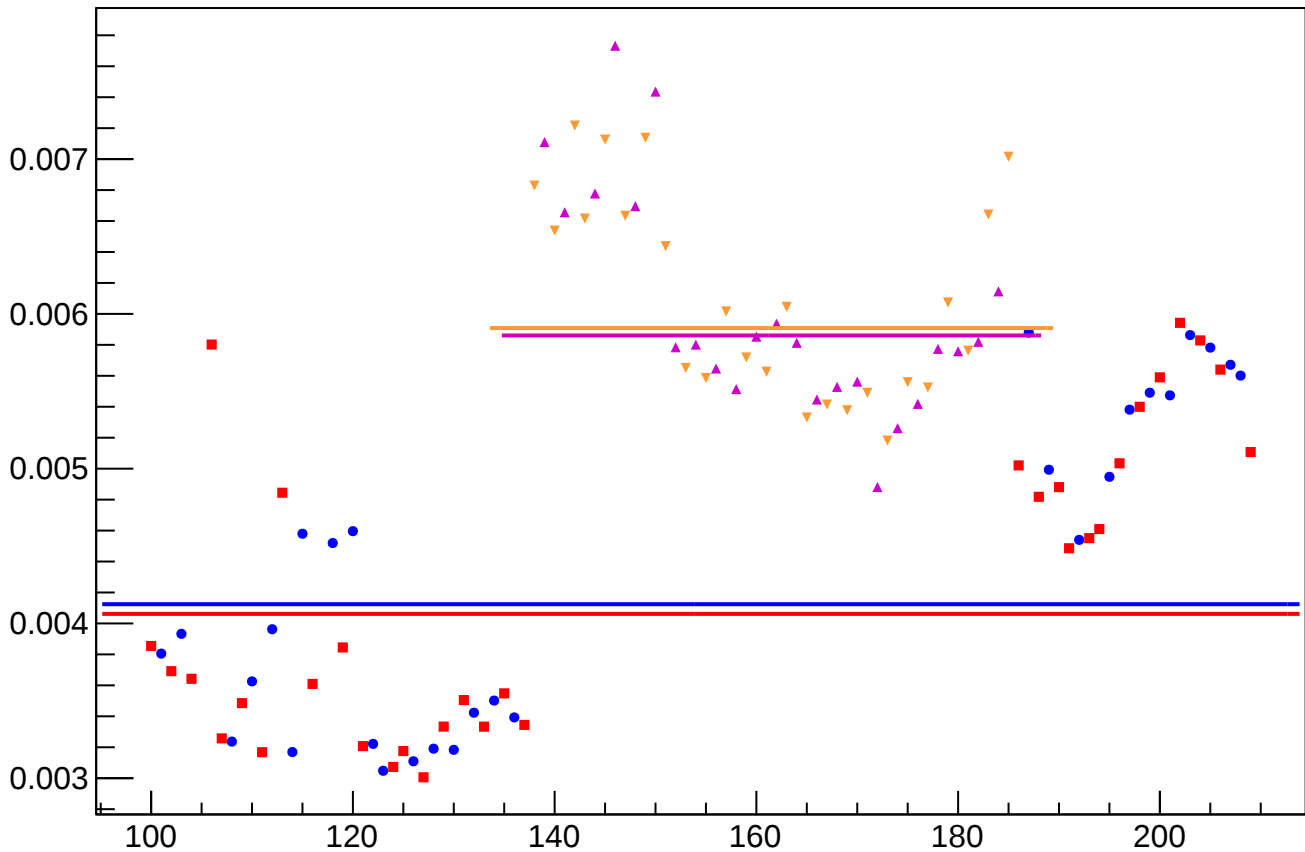
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF: 113929060918.1/22

+ sign 0.104 $\pm$ 0.000 χ^2 /NDF: 1020638558658.3/52

All: 0.115 $\pm$ 0.000 χ^2 /NDF: 2090556019501.0

- sign 0.126 $\pm$ 0.000 χ^2 /NDF: 1069580346417.1/54

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 1405140.9/27

Left Out: 0.006+/-0.000 χ^2/NDF :314309.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1441491.9/31

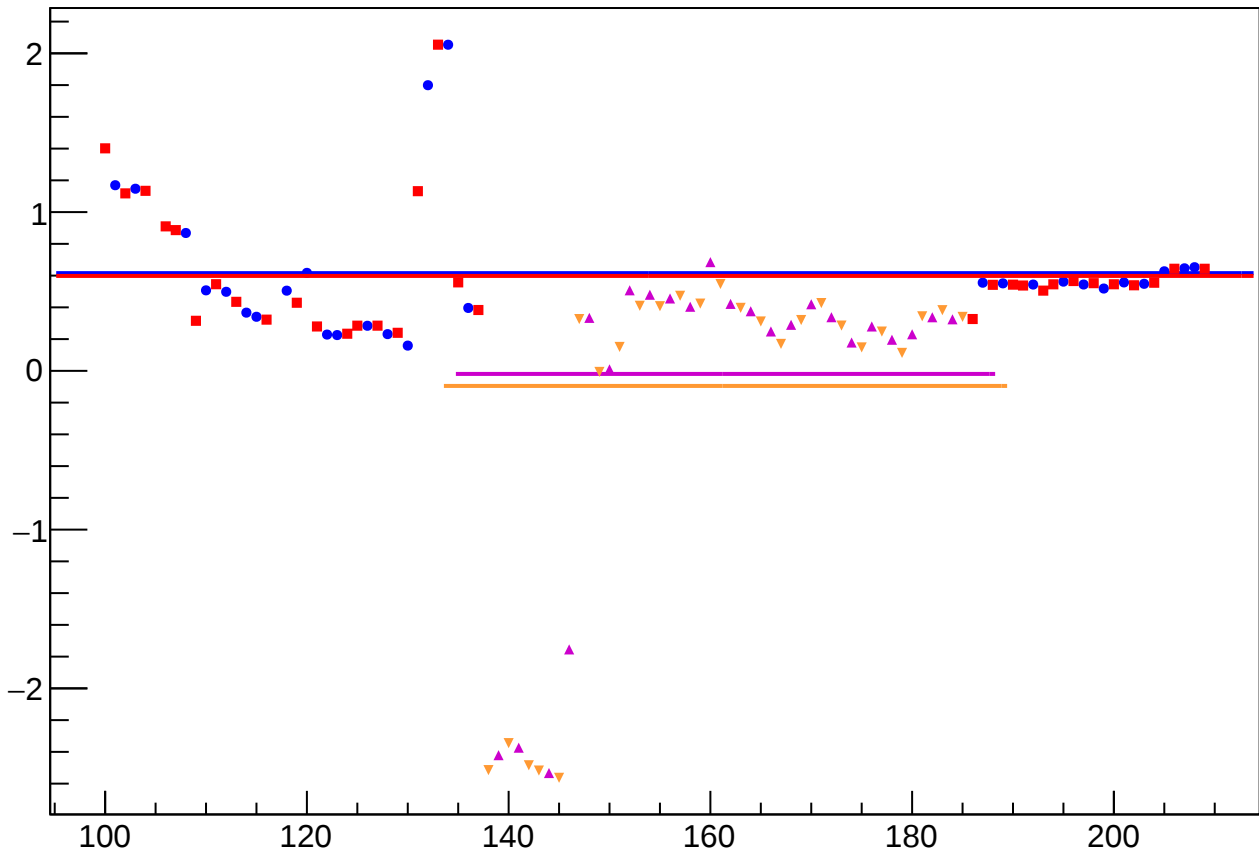
Left In: 0.006+/-0.000 χ^2/NDF :364512.1/22

+ sign 0.005+/-0.000 χ^2/NDF : 3612777.6/52

All: 0.005+/-0.000 χ^2/NDF : 7408390.8/107

- sign 0.005+/-0.000 χ^2/NDF : 3775499.5/54

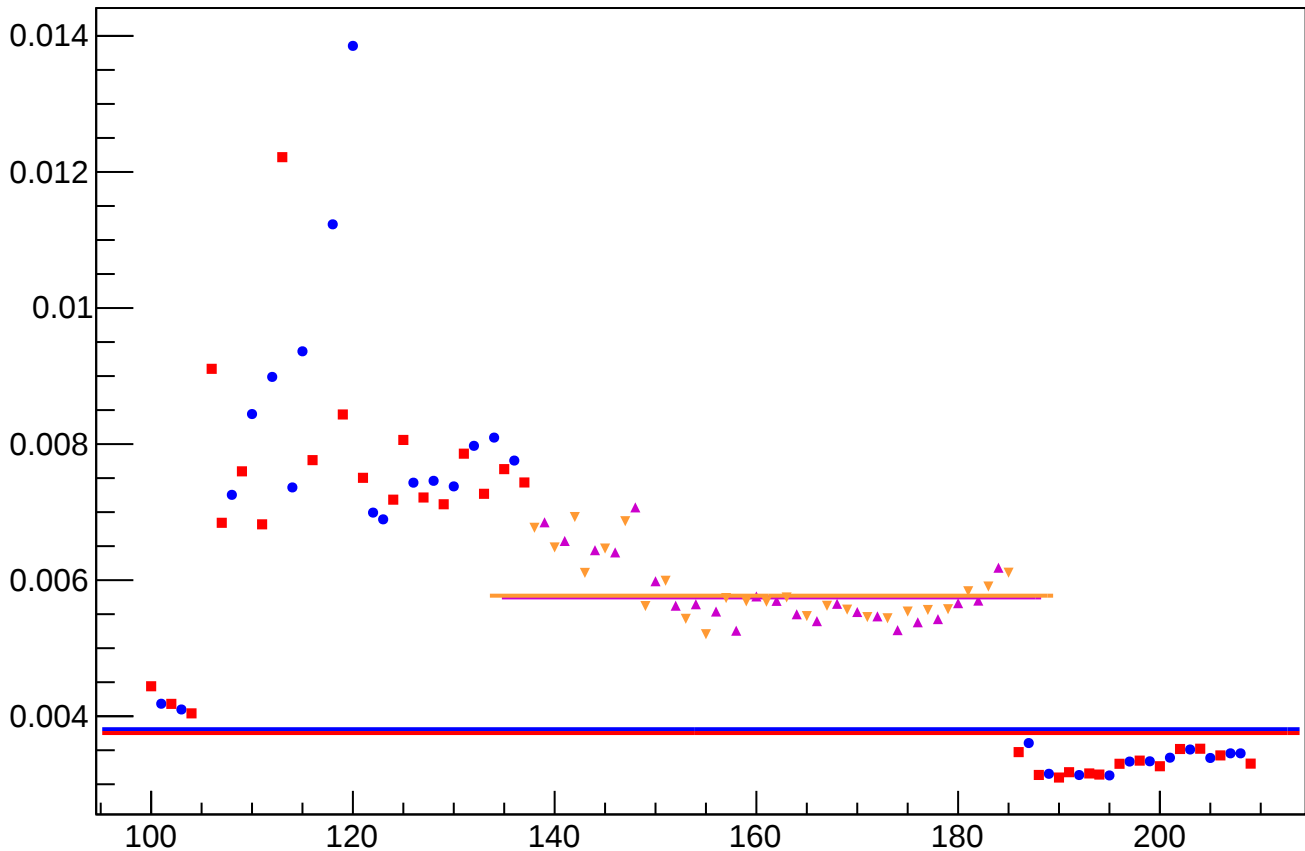
yield_bpm0l05X_mean vs Slug



Right In: 0.616 ± 0.000 χ^2/NDF : 40613158150.1/27
 Left Out: -0.095 ± 0.000 χ^2/NDF : 505606573631.9/24
 Right Out: 0.598 ± 0.000 χ^2/NDF : 46141981856.2/31
 Left In: -0.019 ± 0.000 χ^2/NDF : 417104863944.5/22

+ sign 0.340 ± 0.000 χ^2/NDF : 705633080261.6/52
 All: 0.364 ± 0.000 χ^2/NDF : 1293628861254.
 - sign 0.386 ± 0.000 χ^2/NDF : 586589664546.8/54

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3125517.6/27

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:177680.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3179520.6/31

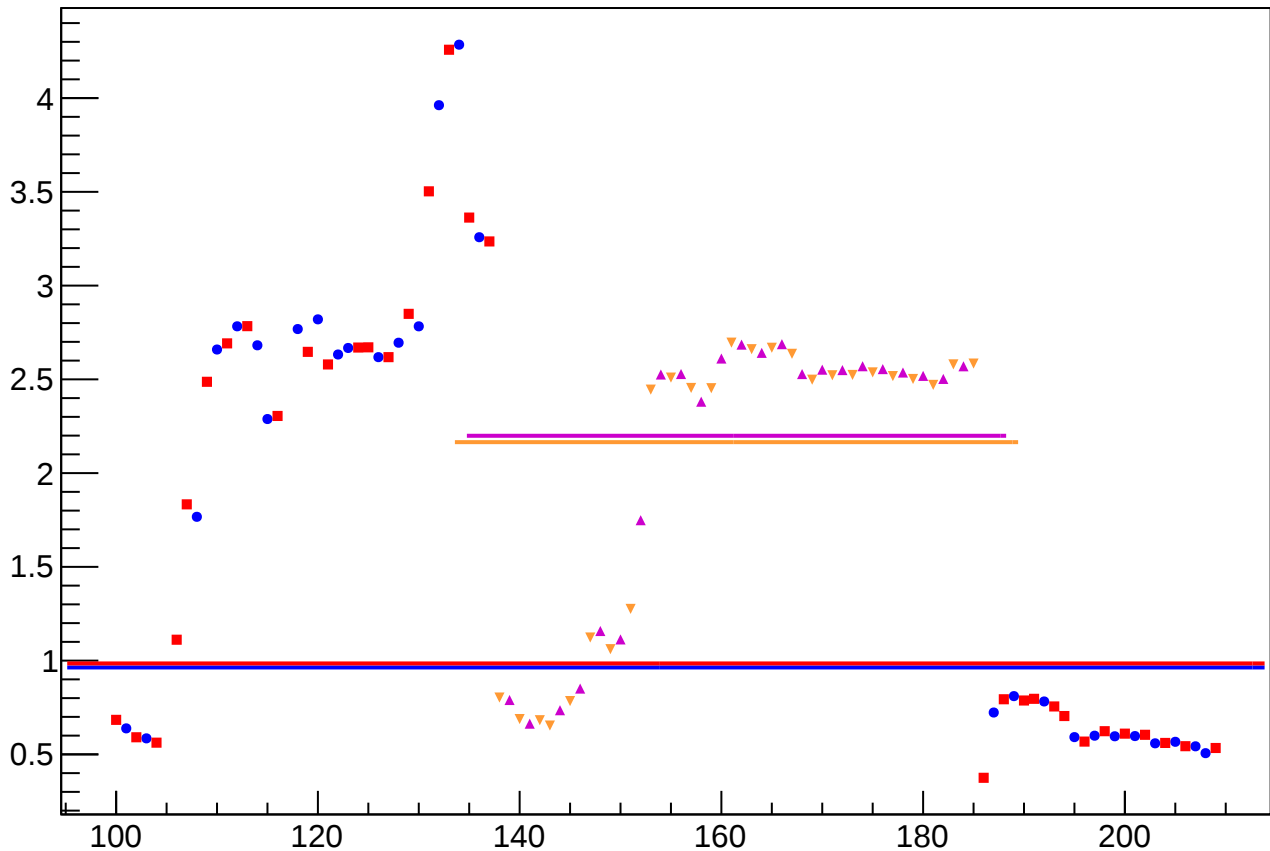
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5736145.7/52

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 11716103.7/107

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5956471.7/54

yield_bpm0l05Y_mean vs Slug



Right In: 0.963+/-0.000 χ^2/NDF : 297811750794.3/27

Left Out: 2.165+/-0.000 χ^2/NDF : 292800056899.6/24

Right Out: 0.985+/-0.000 χ^2/NDF : 346316138390.9/31

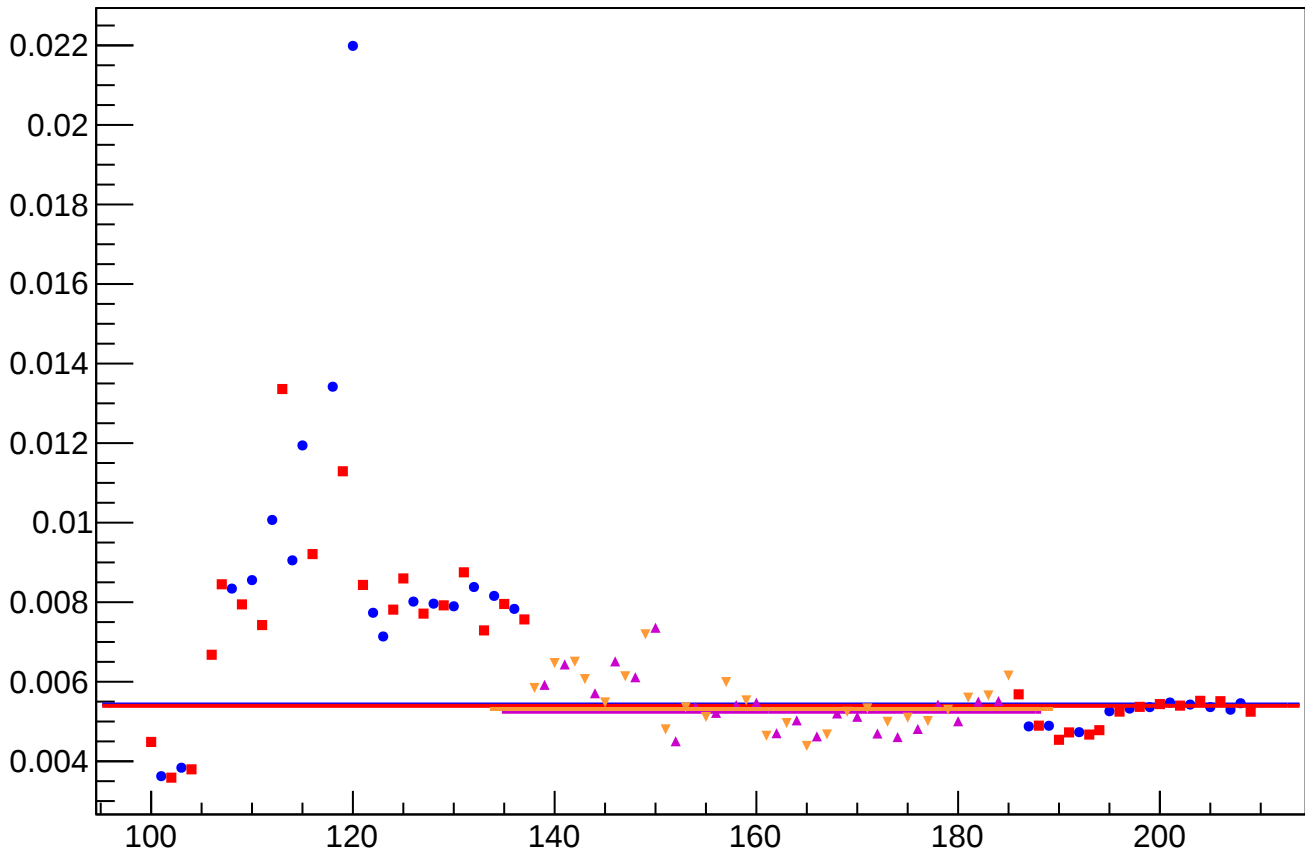
Left In: 2.199+/-0.000 χ^2/NDF : 253166239065.4/22

+ sign 1.667+/-0.000 χ^2/NDF : 942174806983.7/52

All: 1.659+/-0.000 χ^2/NDF : 1922691230564.

- sign 1.651+/-0.000 χ^2/NDF : 980387016094.9/54

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2006199.8/27

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1878769.2/31

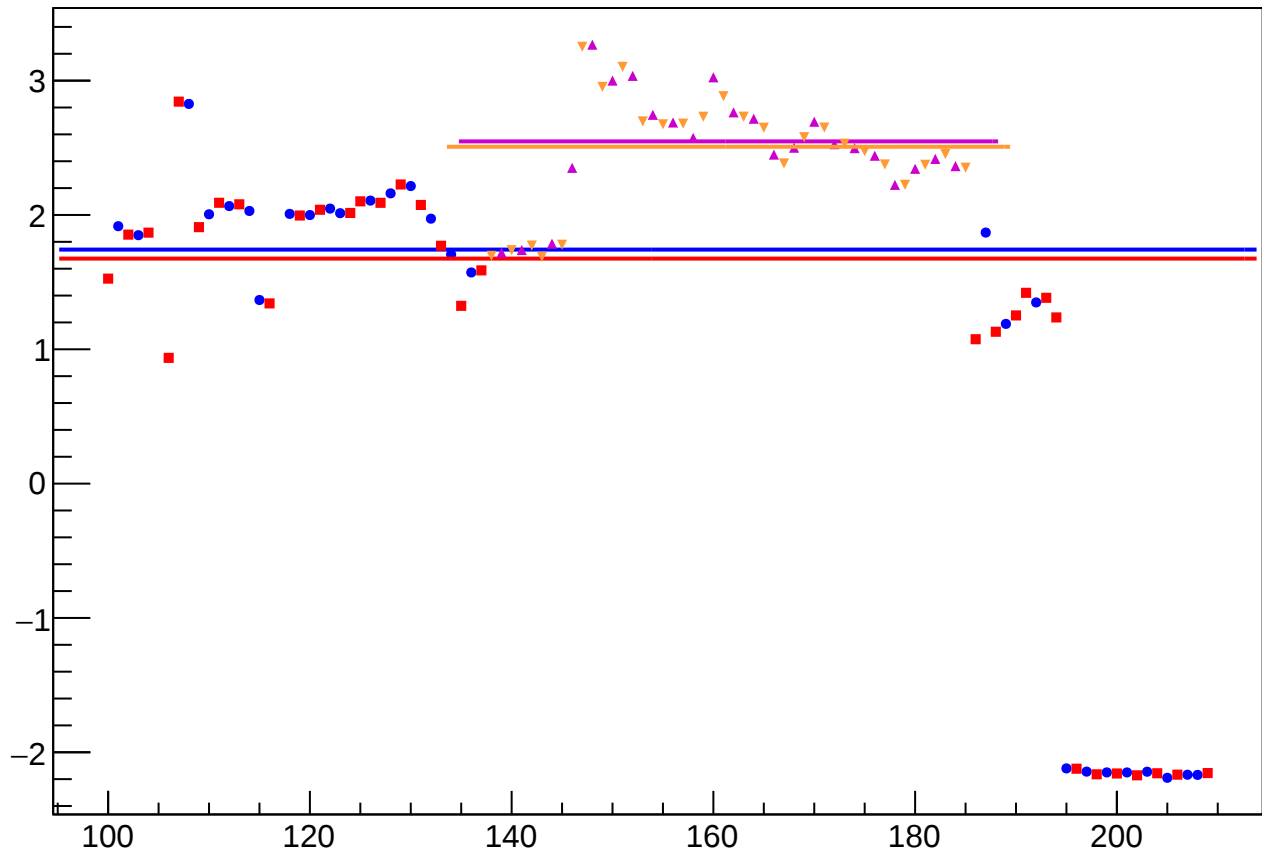
Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2411178.6/52

All: 0.005+/-0.000 χ^2/NDF : 4729779.7/107

- sign 0.005+/-0.000 χ^2/NDF : 2316141.0/54

yield_bpm0l06X_mean vs Slug



Right In: 1.742 $\pm$ 0.000 χ^2 /NDF: 146053162422.0/27

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.675 $\pm$ 0.000 χ^2 /NDF: 139154955059.8/31

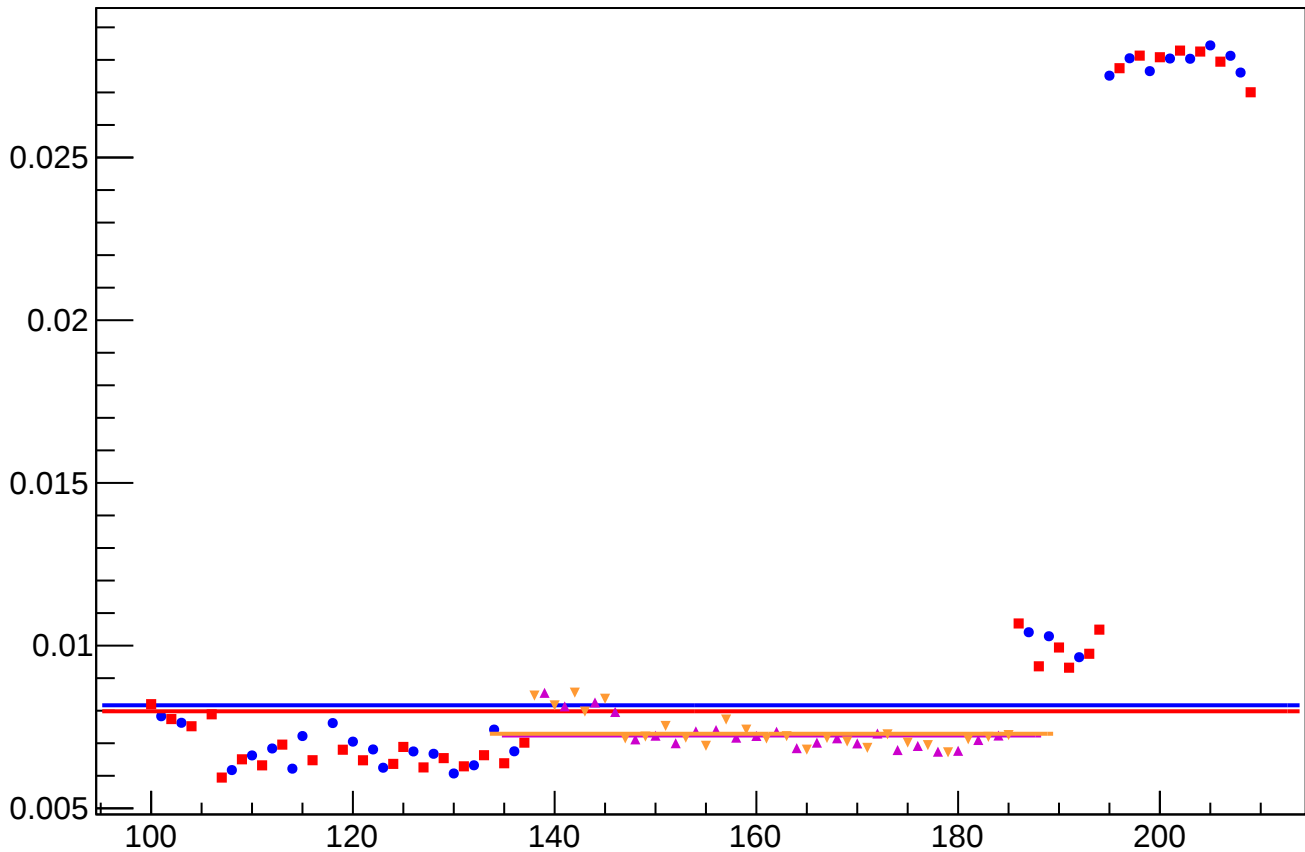
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.258 $\pm$ 0.000 χ^2 /NDF: 261318692048.9/52

All: 2.238 $\pm$ 0.000 χ^2 /NDF: 537281893824.2

- sign 2.218 $\pm$ 0.000 χ^2 /NDF: 275580761935.7/54

yield_bpm0l06X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 6893780.4/27

Left Out: 0.007+/-0.000 χ^2/NDF :140788.4/24

Right Out: 0.008+/-0.000 χ^2/NDF : 6258840.7/31

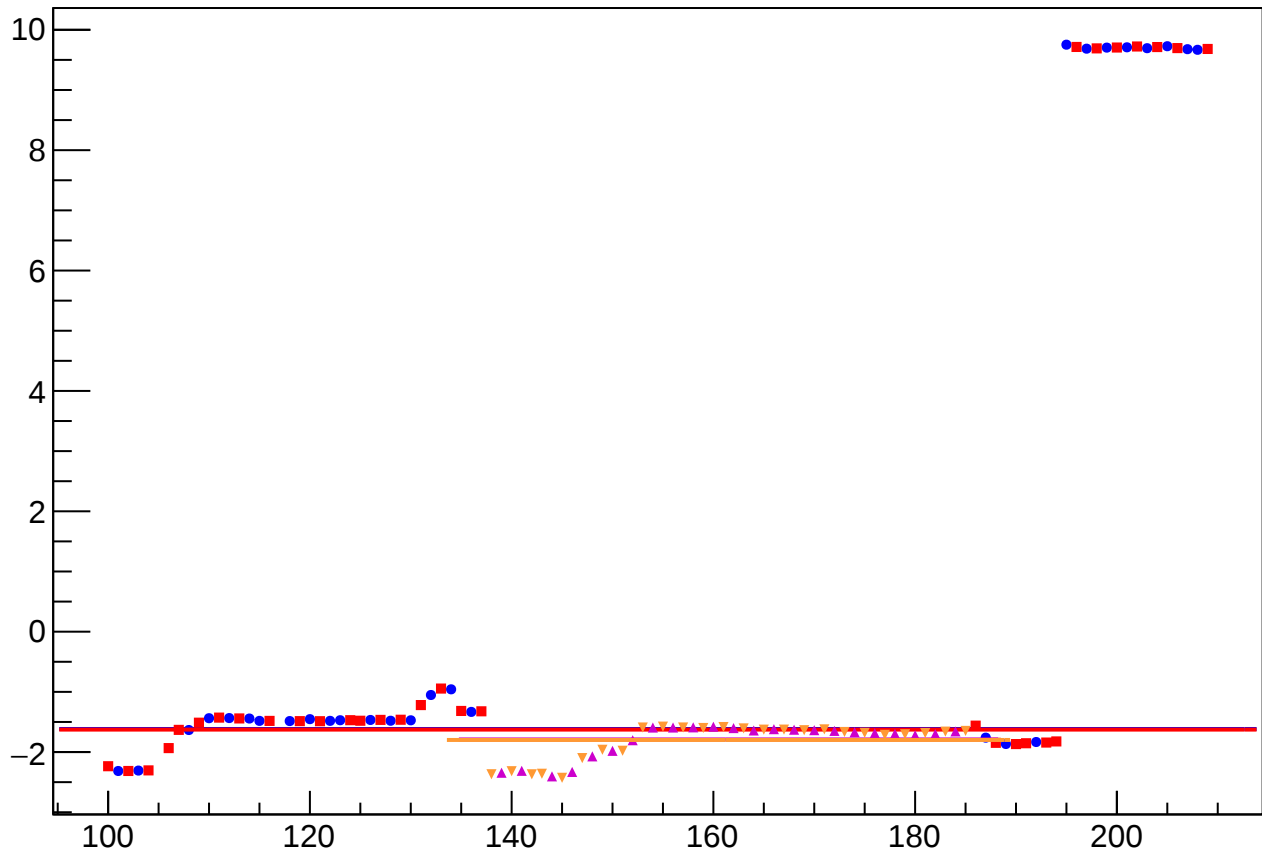
Left In: 0.007+/-0.000 χ^2/NDF :125233.2/22

+ sign 0.008+/-0.000 χ^2/NDF : 7198982.1/52

All: 0.008+/-0.000 χ^2/NDF : 13717182.0/107

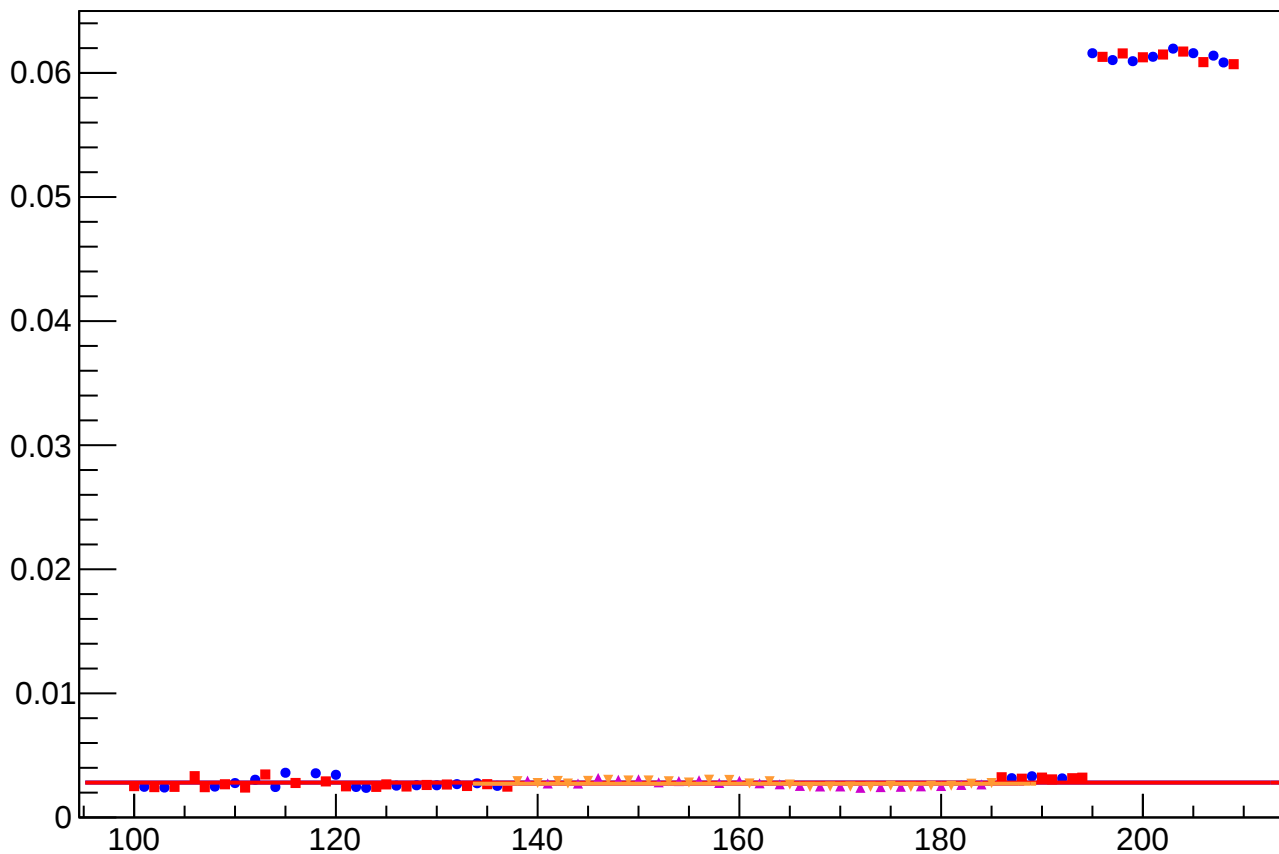
- sign 0.008+/-0.000 χ^2/NDF : 6516483.6/54

yield_bpm0l06Y_mean vs Slug



Right In: -1.617 ± 0.000 χ^2/NDF : 359150240835.8/27
 Left Out: -1.799 ± 0.000 χ^2/NDF : 185362087438.8/24
 Right Out: -1.627 ± 0.000 χ^2/NDF : 340427430240.0/31
 Left In: -1.790 ± 0.000 χ^2/NDF : 159648935510.8/22
 + sign -1.743 ± 0.000 χ^2/NDF : 568534522214.3/52
 All: -1.737 ± 0.000 χ^2/NDF : 1090889799913
 - sign -1.731 ± 0.000 χ^2/NDF : 522093353120.9/54

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 11570390.5/27

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 9926727.9/31

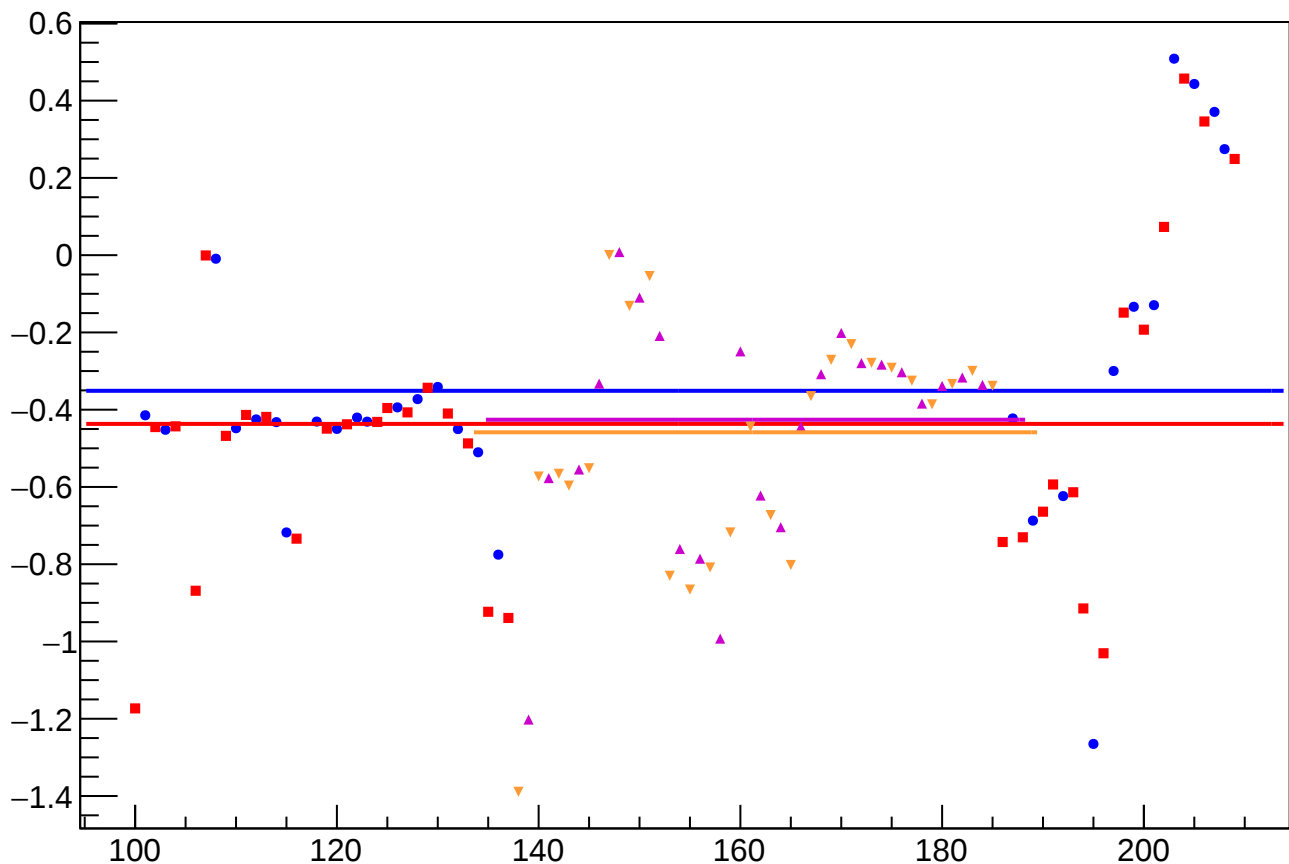
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 11783018.0/52

All: 0.003+/-0.000 χ^2/NDF : 21949224.3/107

- sign 0.003+/-0.000 χ^2/NDF : 10166019.4/54

yield_bpm0l07X_mean vs Slug



Right In: -0.351 ± 0.000 $\chi^2/\text{NDF}: 10024211695.0/27$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 9916462814.9/24$

Right Out: -0.437 ± 0.000 $\chi^2/\text{NDF}: 9954538497.4/31$

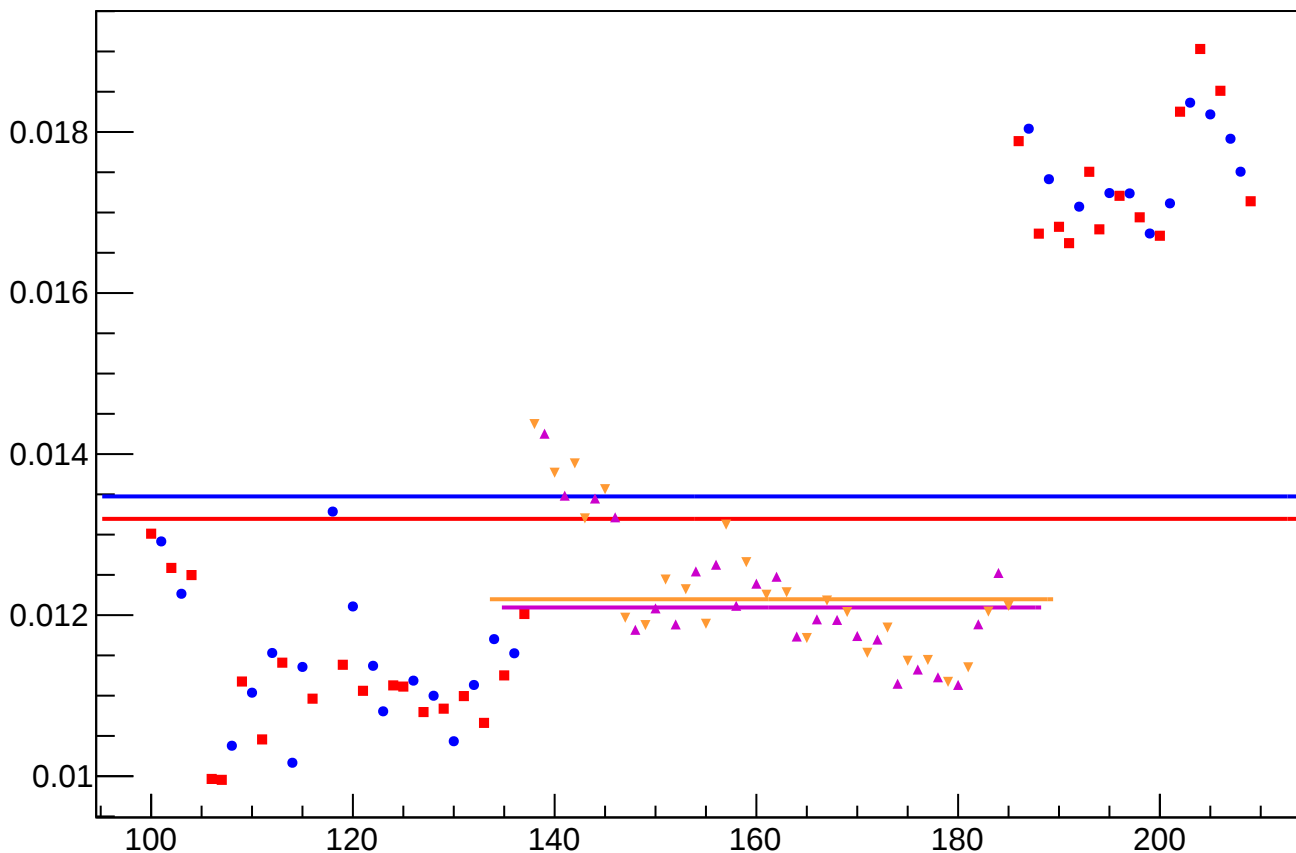
Left In: -0.426 ± 0.000 $\chi^2/\text{NDF}: 8424222576.0/22$

+ sign -0.417 ± 0.000 $\chi^2/\text{NDF}: 20465393193.6/52$

All: -0.424 ± 0.000 $\chi^2/\text{NDF}: 38867383215.6/100$

- sign -0.431 ± 0.000 $\chi^2/\text{NDF}: 18384387276.3/54$

yield_bpm0l07X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1263327.5/27

Left Out: 0.012+/-0.000 χ^2/NDF : 141850.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1552569.6/31

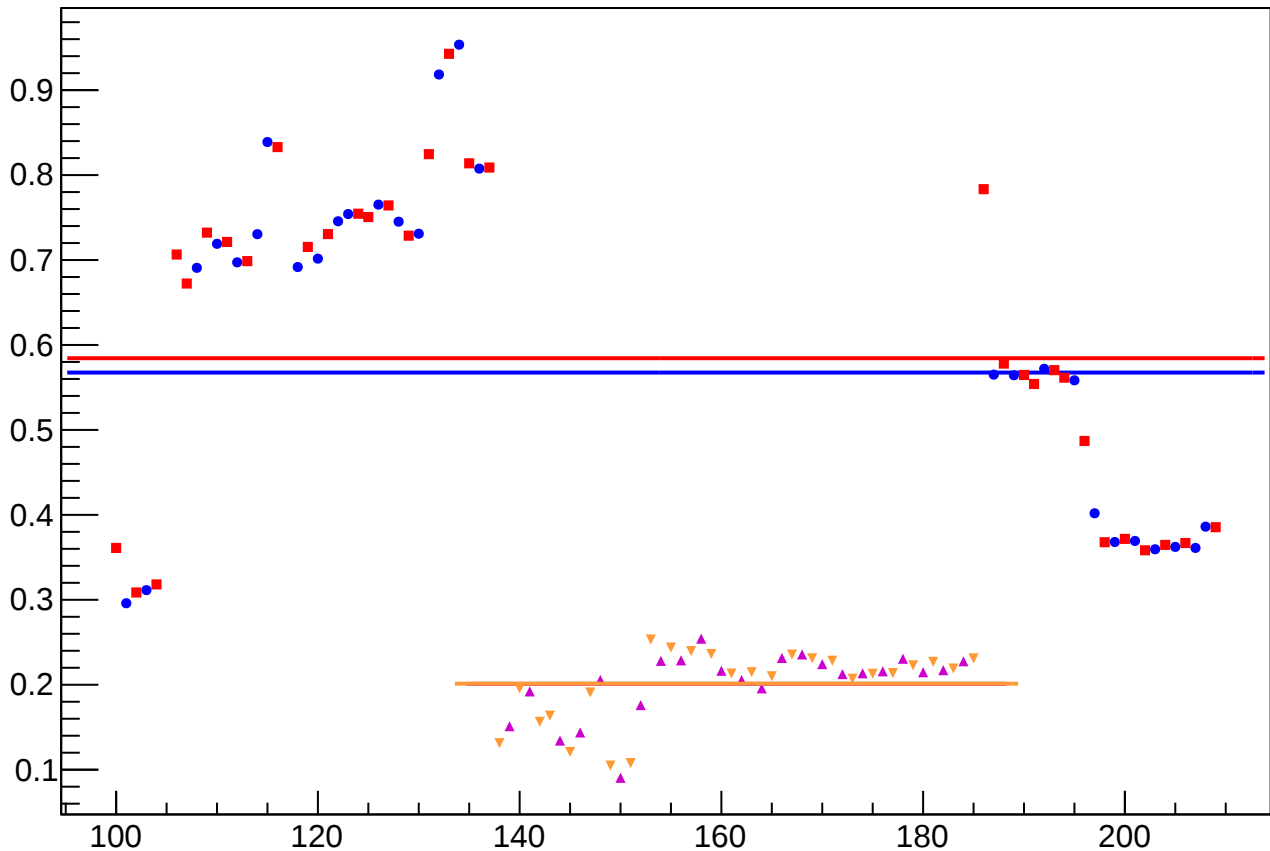
Left In: 0.012+/-0.000 χ^2/NDF : 127308.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 1553534.4/52

All: 0.013+/-0.000 χ^2/NDF : 3353730.8/107

- sign 0.013+/-0.000 χ^2/NDF : 1797190.5/54

yield_bpm0l07Y_mean vs Slug



Right In: 0.568 $\pm$ 0.000 χ^2 /NDF: 72715260747.5/27

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.584 $\pm$ 0.000 χ^2 /NDF: 71183668572.5/31

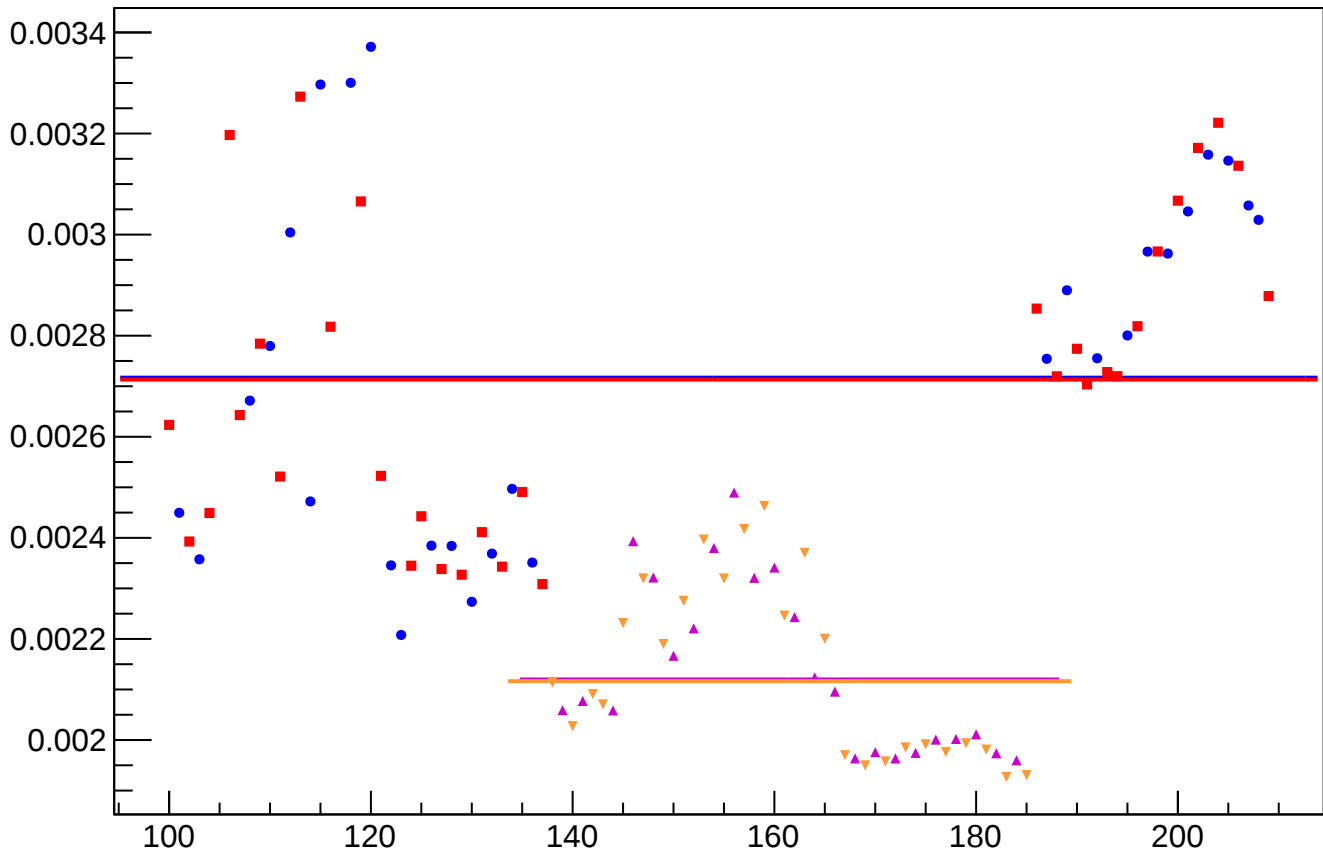
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.317 $\pm$ 0.000 χ^2 /NDF: 251471454280.6/52

All: 0.326 $\pm$ 0.000 χ^2 /NDF: 525611064271.2

- sign 0.335 $\pm$ 0.000 χ^2 /NDF: 273152119287.6/54

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 400882.9/27

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:224498.3/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 328443.2/31

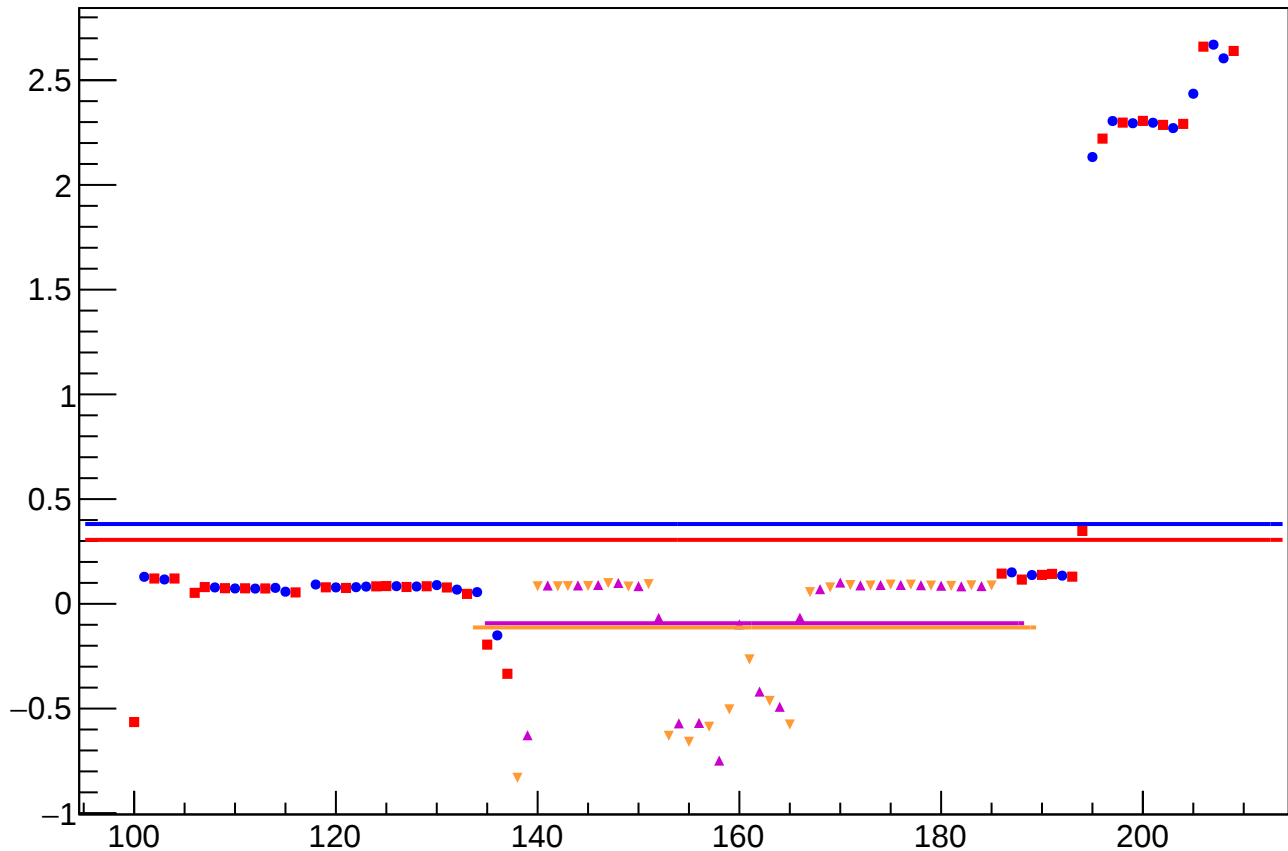
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:189228.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1548736.1/52

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 3009523.8/107

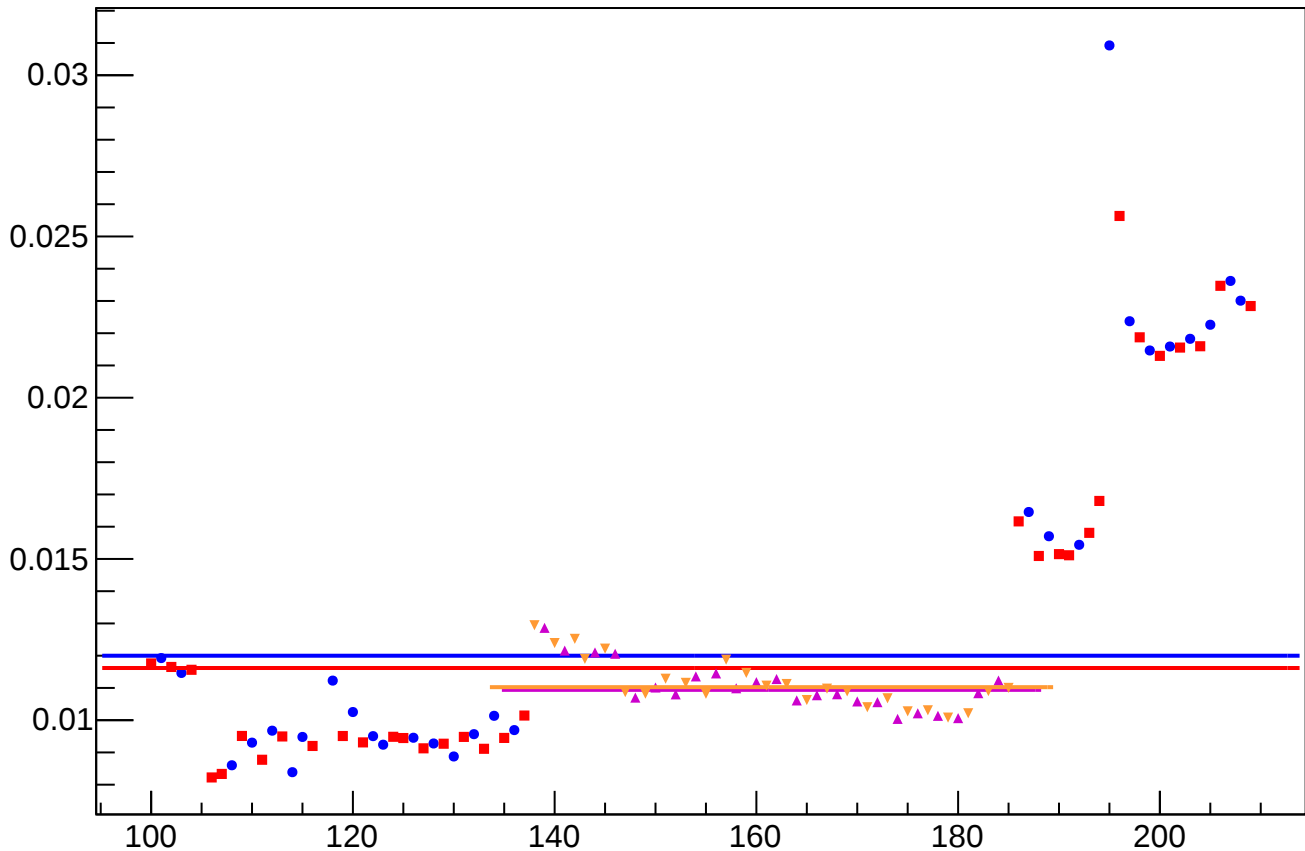
- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1458072.0/54

yield_bpm0l08X_mean vs Slug



Right In: 0.381+/-0.000	χ^2/NDF : 54856991333.1/27	+ sign 0.070+/-0.000	χ^2/NDF : 81589535148.6/52
Left Out: -0.113+/-0.000	χ^2/NDF : 13667354077.1/24	All: 0.073+/-0.000	χ^2/NDF : 153740804230.8
Right Out: 0.305+/-0.000	χ^2/NDF : 51835204185.7/31	- sign 0.075+/-0.000	χ^2/NDF : 72148239736.5/54
Left In: -0.093+/-0.000	χ^2/NDF : 11051944893.7/22		

yield_bpm0l08X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 3852924.6/27

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 141501.7/24

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 3803429.1/31

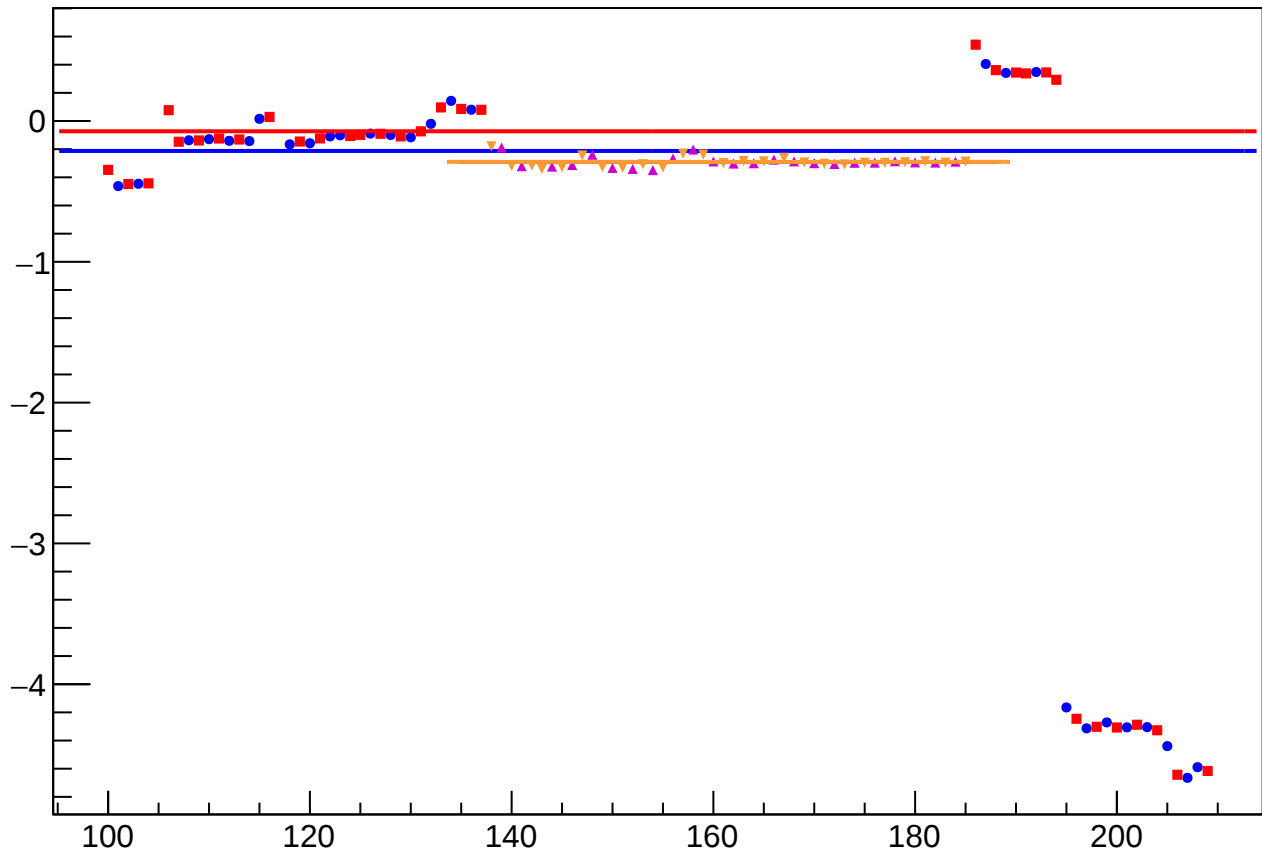
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 128914.2/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 4096341.3/52

All: 0.011 $\pm$ 0.000 χ^2/NDF : 8088246.6/107

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 3985989.2/54

yield_bpm0l08Y_mean vs Slug



Right In: -0.213 ± 0.000 χ^2/NDF : 338172374161.0/27

Left Out: -0.290 ± 0.000 χ^2/NDF : 2877519093.0/24

+ sign -0.278 ± 0.000 χ^2/NDF : 343234611809.5/52

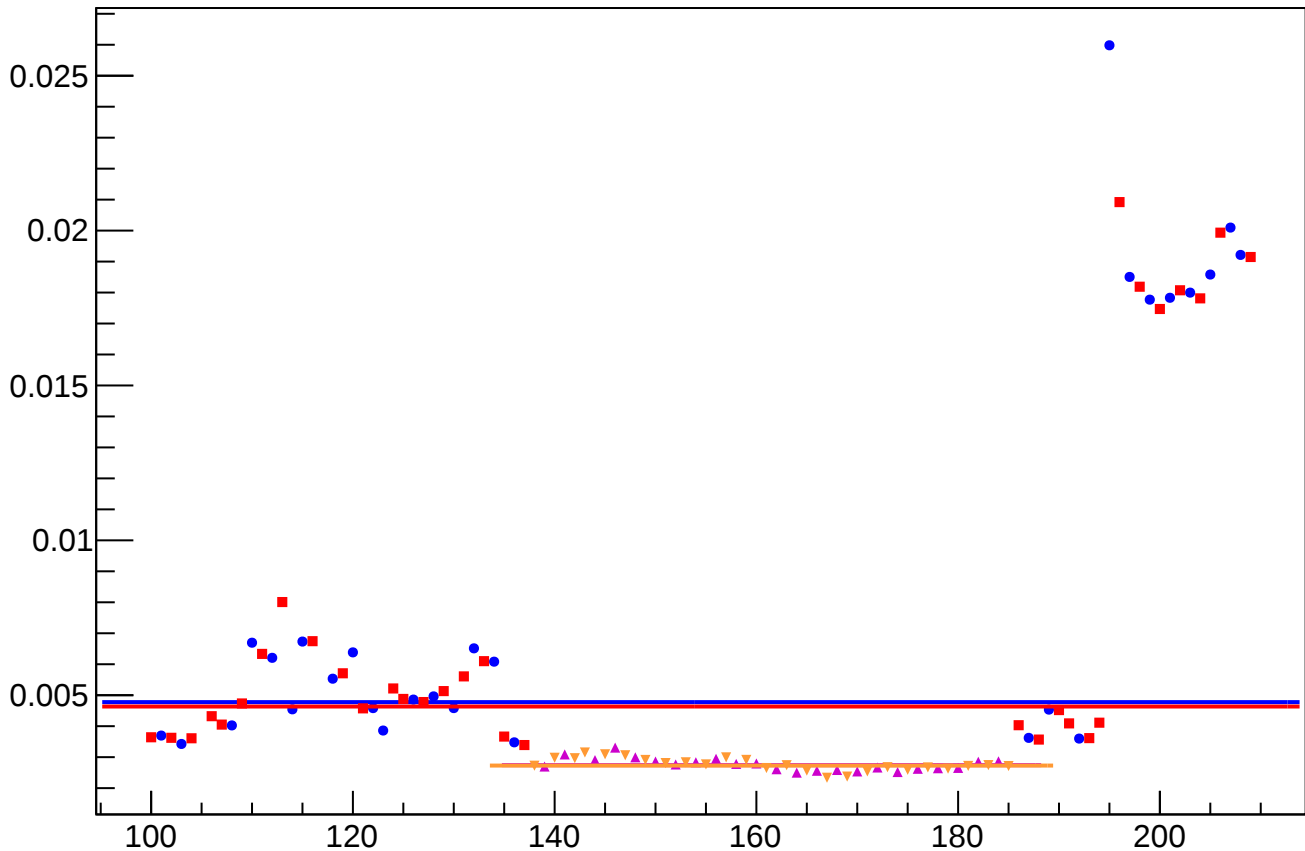
Right Out: -0.073 ± 0.000 χ^2/NDF : 333917059915.2/31

All: -0.264 ± 0.000 χ^2/NDF : 701891306708.2

Left In: -0.291 ± 0.000 χ^2/NDF : 3125402243.3/22

- sign -0.249 ± 0.000 χ^2/NDF : 357432383110.2/54

yield_bpm0l08Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 7979409.5/27

Left Out: 0.003+/-0.000 χ^2/NDF :206527.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 6936136.9/31

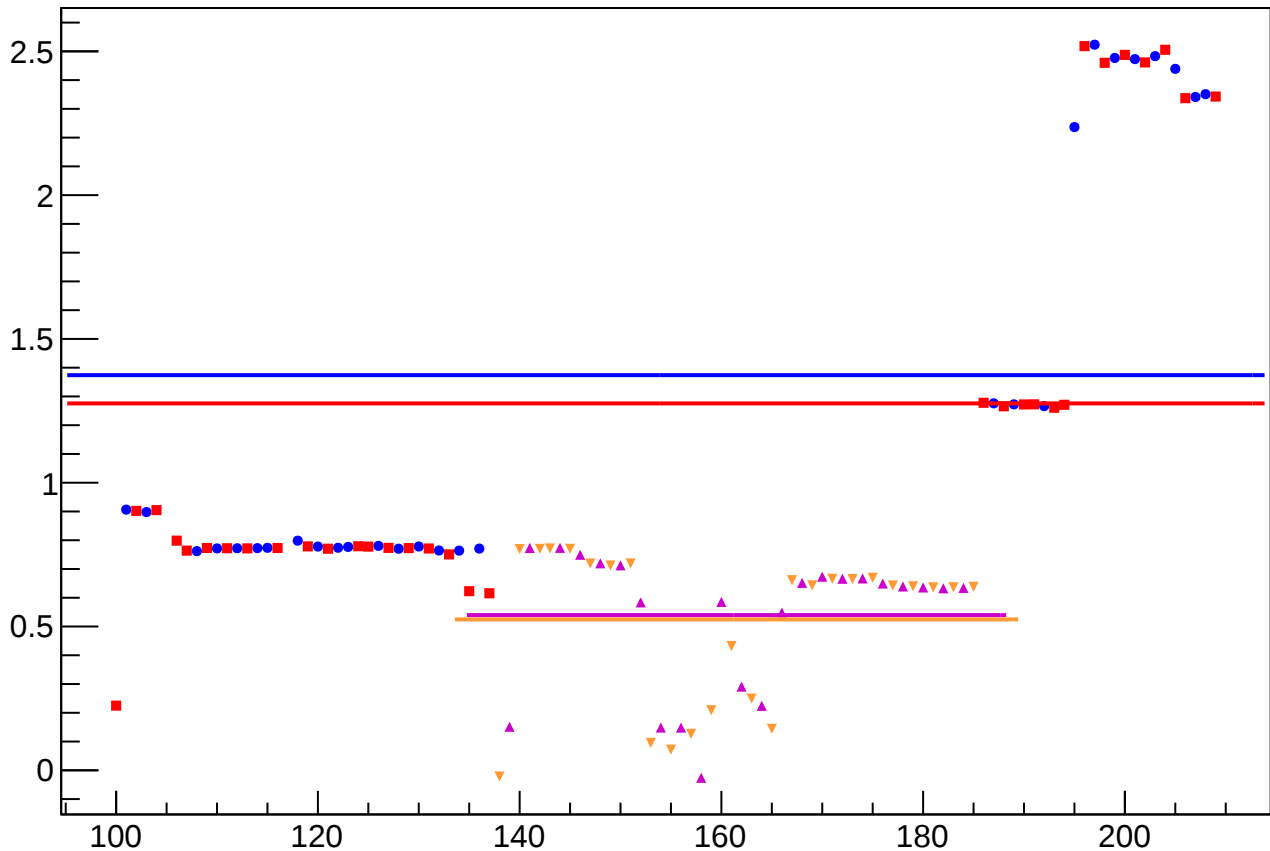
Left In: 0.003+/-0.000 χ^2/NDF :147778.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 11224742.1/52

All: 0.003+/-0.000 χ^2/NDF : 21391153.2/107

- sign 0.003+/-0.000 χ^2/NDF : 10153619.1/54

yield_bpm0l09X_mean vs Slug



Right In: 1.374 $\pm$ 0.000 χ^2 /NDF: 52556812319.5/27

Left Out: 0.525 $\pm$ 0.000 χ^2 /NDF: 9623503169.9/24

Right Out: 1.276 $\pm$ 0.000 χ^2 /NDF: 53093193302.1/31

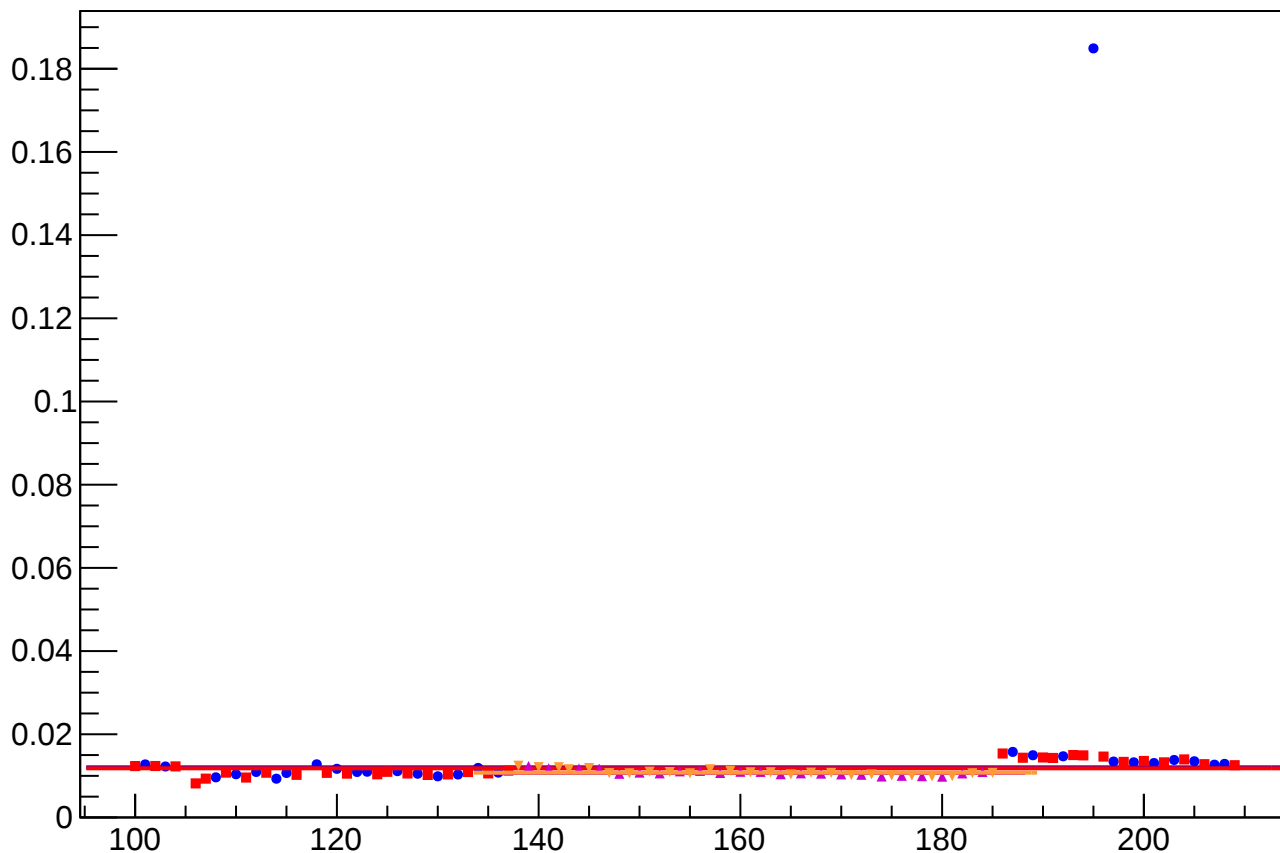
Left In: 0.540 $\pm$ 0.000 χ^2 /NDF: 7860539135.5/22

+ sign 0.841 $\pm$ 0.000 χ^2 /NDF: 103125545741.4/52

All: 0.844 $\pm$ 0.000 χ^2 /NDF: 197087162388.3

- sign 0.847 $\pm$ 0.000 χ^2 /NDF: 93957165187.4/54

yield_bpm0l09X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1895180.6/27

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 725978.8/31

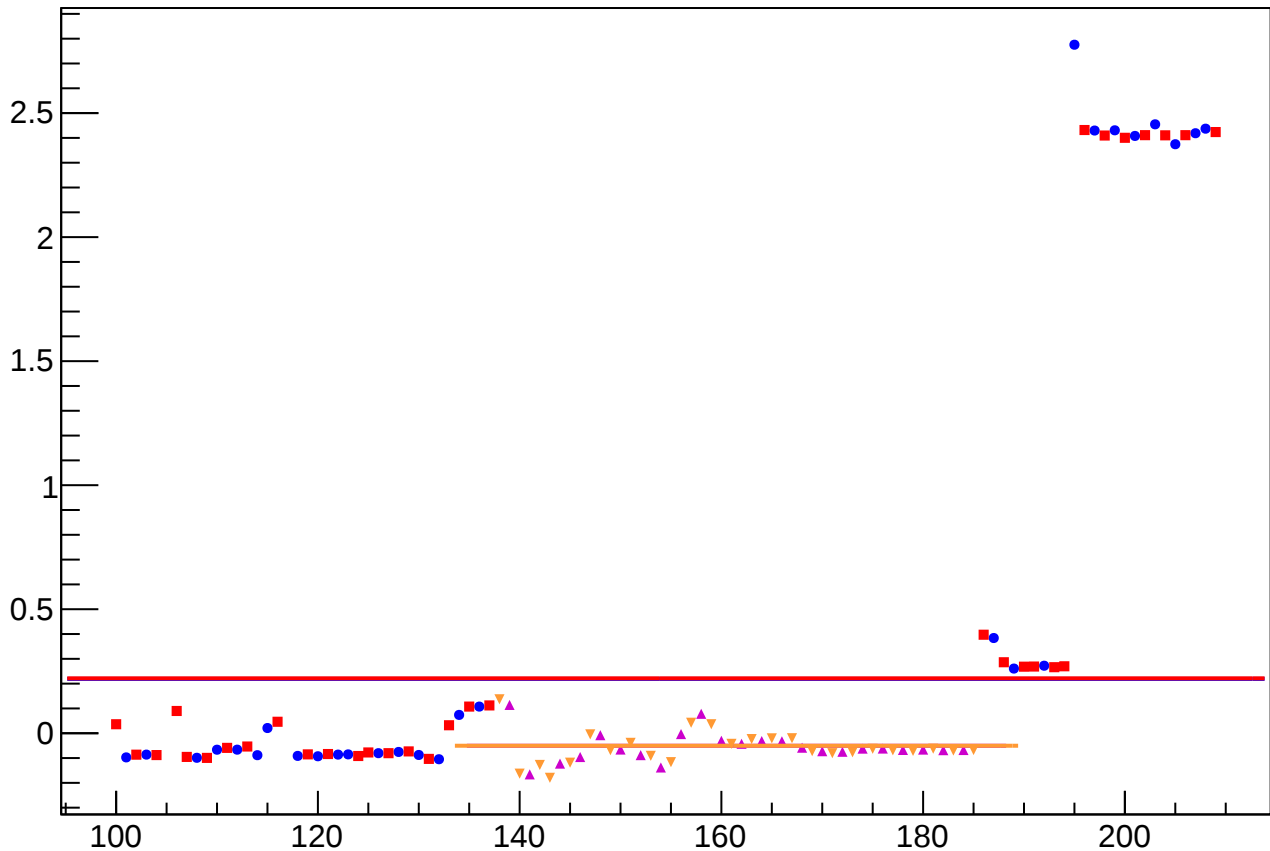
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2211006.9/52

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3211419.3/107

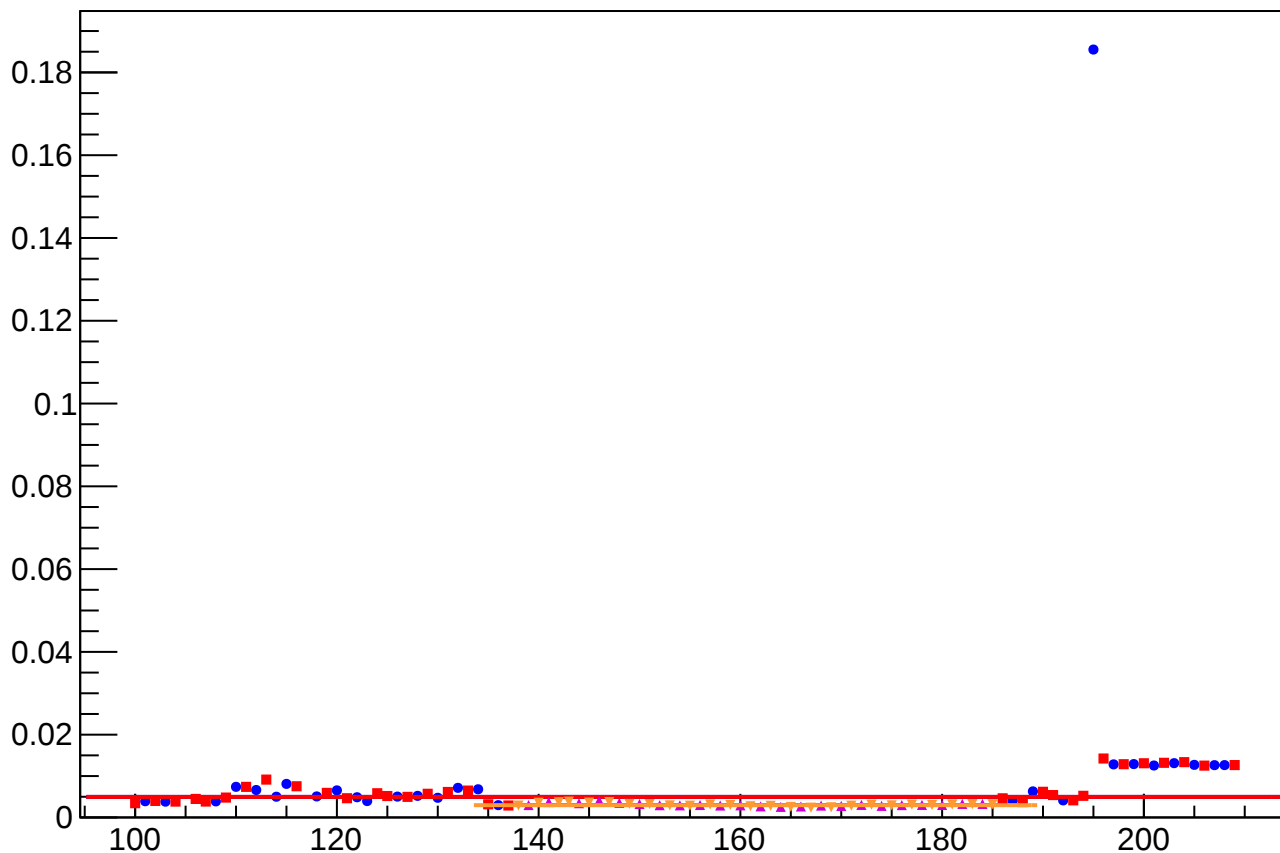
- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 998697.7/54

yield_bpm0l09Y_mean vs Slug



Right In: 0.219+/-0.000	χ^2/NDF : 177790903331.3/27	+ sign -0.004+/-0.000	χ^2/NDF : 209448699454.9/52
Left Out: -0.050+/-0.000	χ^2/NDF : 7271496478.6/24	All: 0.001+/-0.000	χ^2/NDF : 402555498334.6
Right Out: 0.221+/-0.000	χ^2/NDF : 159406291987.7/31	- sign 0.006+/-0.000	χ^2/NDF : 192996081182.1/54
Left In: -0.051+/-0.000	χ^2/NDF : 6128769990.8/22		

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 6841743.6/27

Left Out: 0.003+/-0.000 χ^2/NDF :499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 5094886.6/31

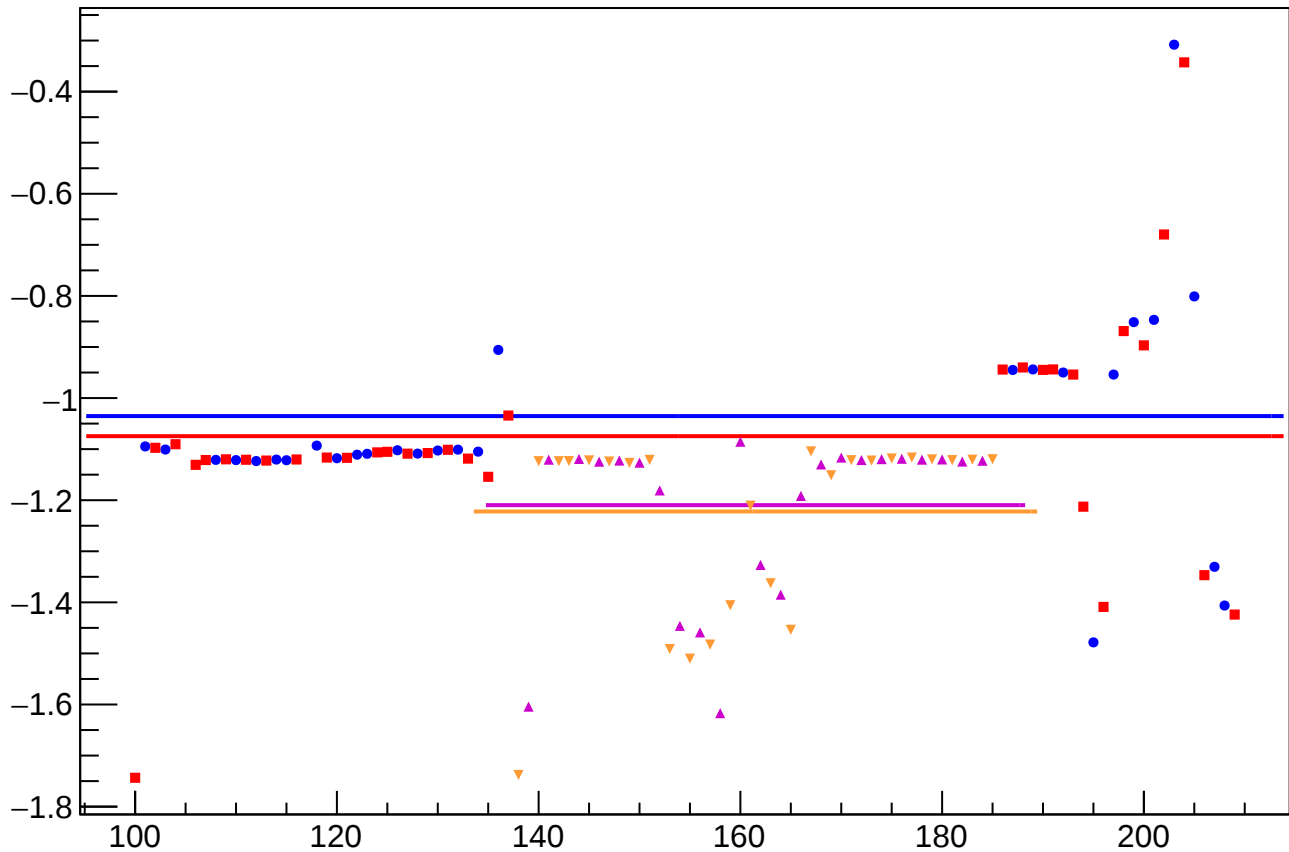
Left In: 0.003+/-0.000 χ^2/NDF :329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 10014590.9/52

All: 0.003+/-0.000 χ^2/NDF : 18303950.4/107

- sign 0.003+/-0.000 χ^2/NDF : 8265172.6/54

yield_bpm0l10X_mean vs Slug



Right In: -1.035+/-0.000 χ^2/NDF : 4945716891.4/27

Left Out: -1.222+/-0.000 χ^2/NDF : 5279548861.3/24

Right Out: -1.075+/-0.000 χ^2/NDF : 4634128641.6/31

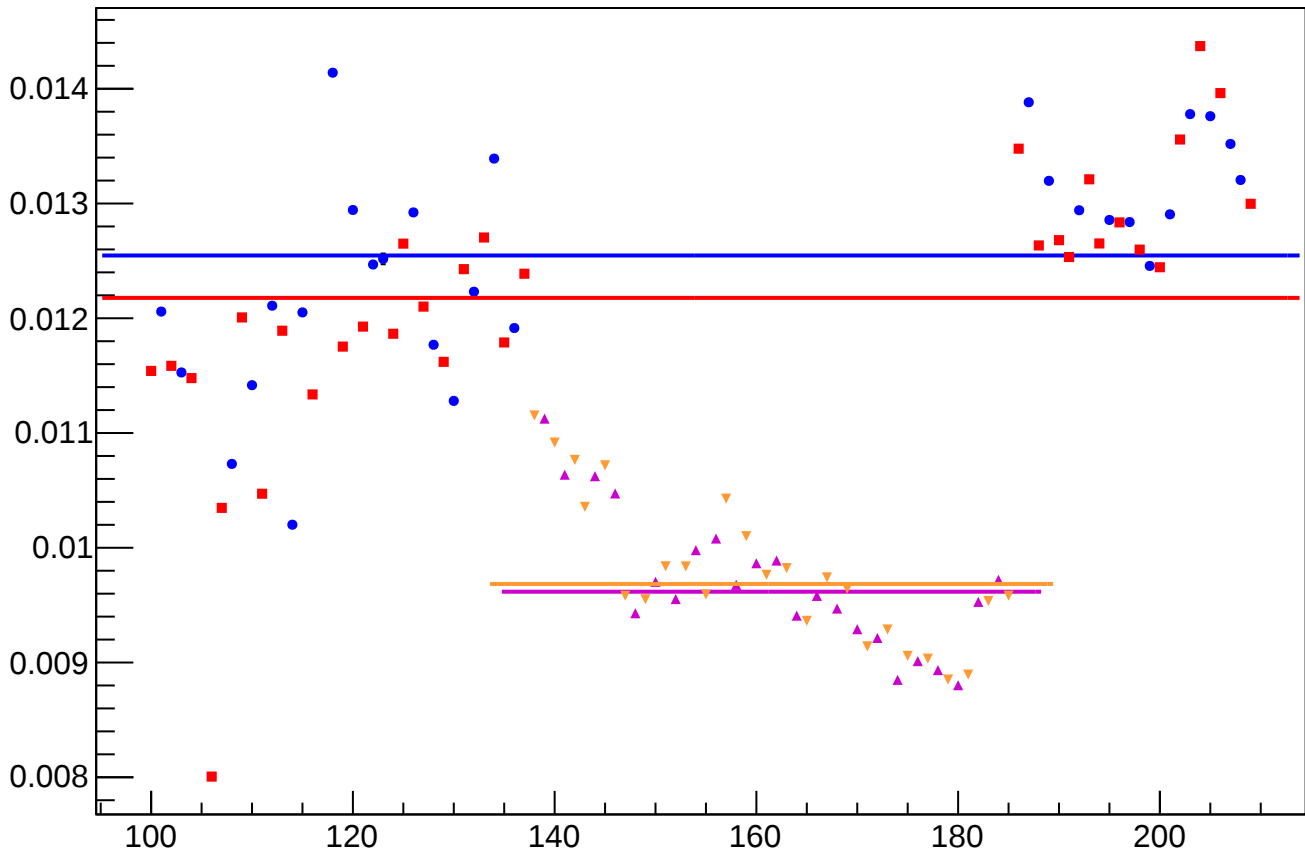
Left In: -1.210+/-0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.163+/-0.000 χ^2/NDF : 12333004996.2/52

All: -1.162+/-0.000 χ^2/NDF : 22669100984.9

- sign -1.161+/-0.000 χ^2/NDF : 10335611600.3/54

yield_bpm0l10X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 132283.8/27

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:134863.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 325779.4/31

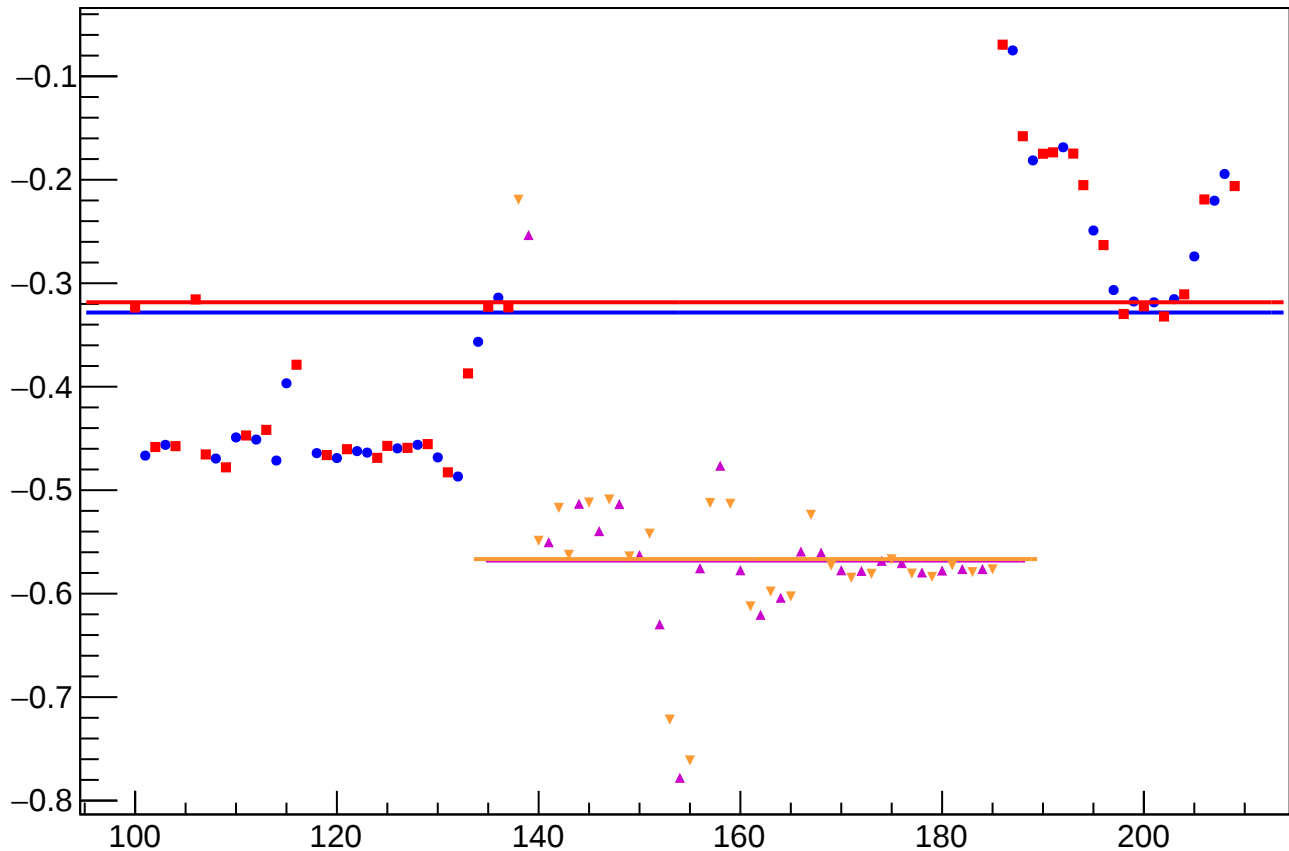
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1257017.1/52

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 2565440.2/107

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1307671.0/54

yield_bpm0l10Y_mean vs Slug



Right In: -0.328+/-0.000 χ^2/NDF : 9962241779.4/27

Left Out: -0.567+/-0.000 χ^2/NDF : 13368458519.3/24

Right Out: -0.318+/-0.000 χ^2/NDF : 12084580140.1/31

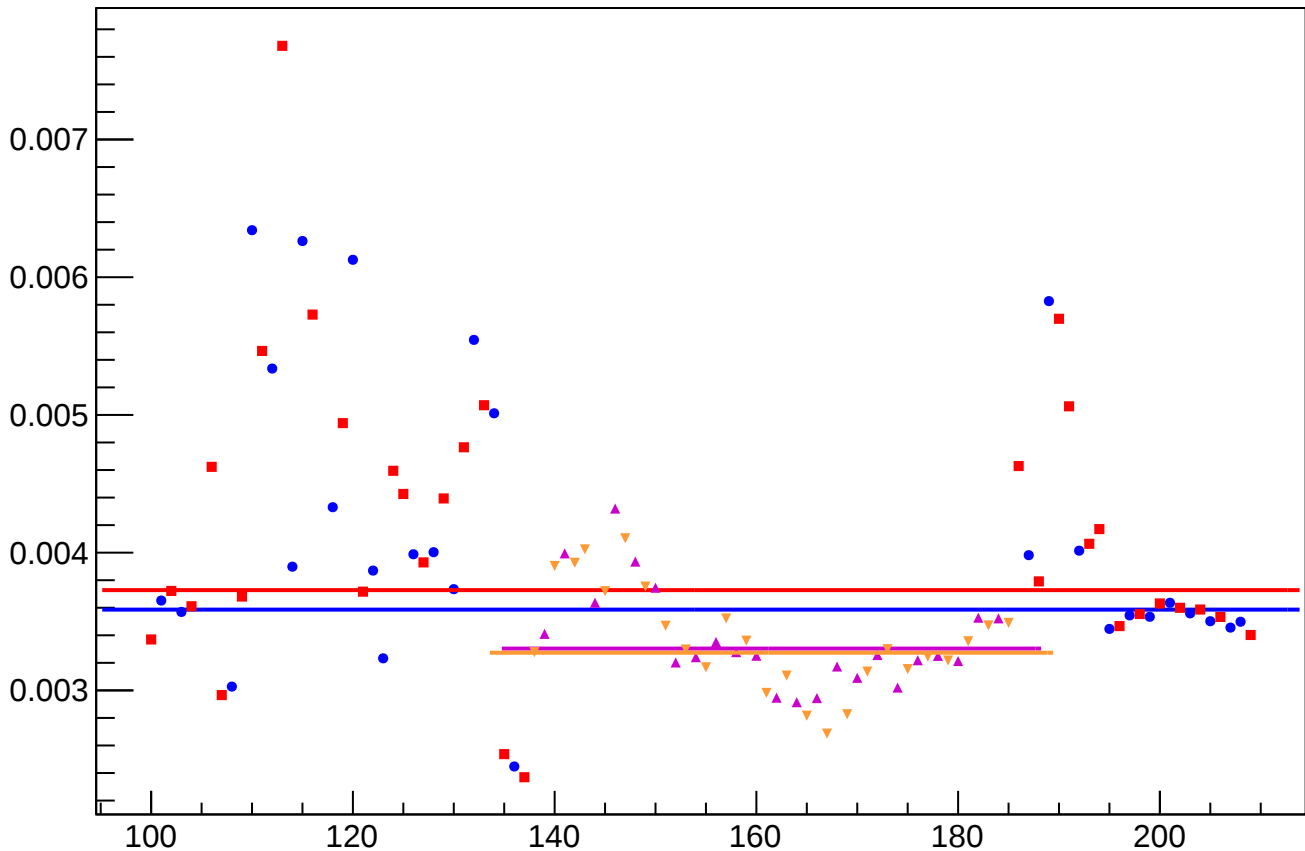
Left In: -0.568+/-0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.475+/-0.000 χ^2/NDF : 58294344593.0/52

All: -0.471+/-0.000 χ^2/NDF : 118510359423.7

- sign -0.466+/-0.000 χ^2/NDF : 60117782499.3/54

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 997939.1/27

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1085267.0/31

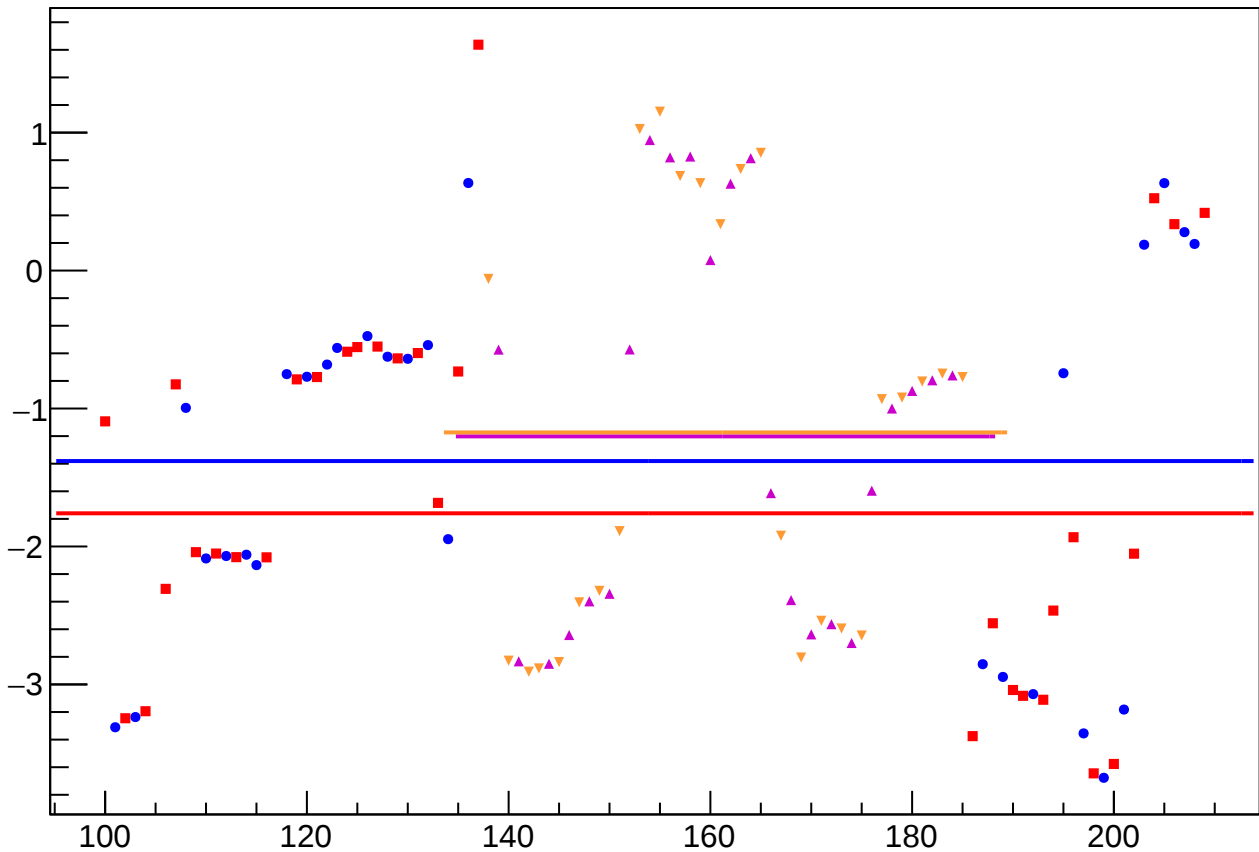
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1513449.7/52

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3119499.4/107

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1588479.6/54

yield_bpm0r03X_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 5776956239.3/27

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -1.760+/-0.000 χ^2/NDF : 5216280731.6/31

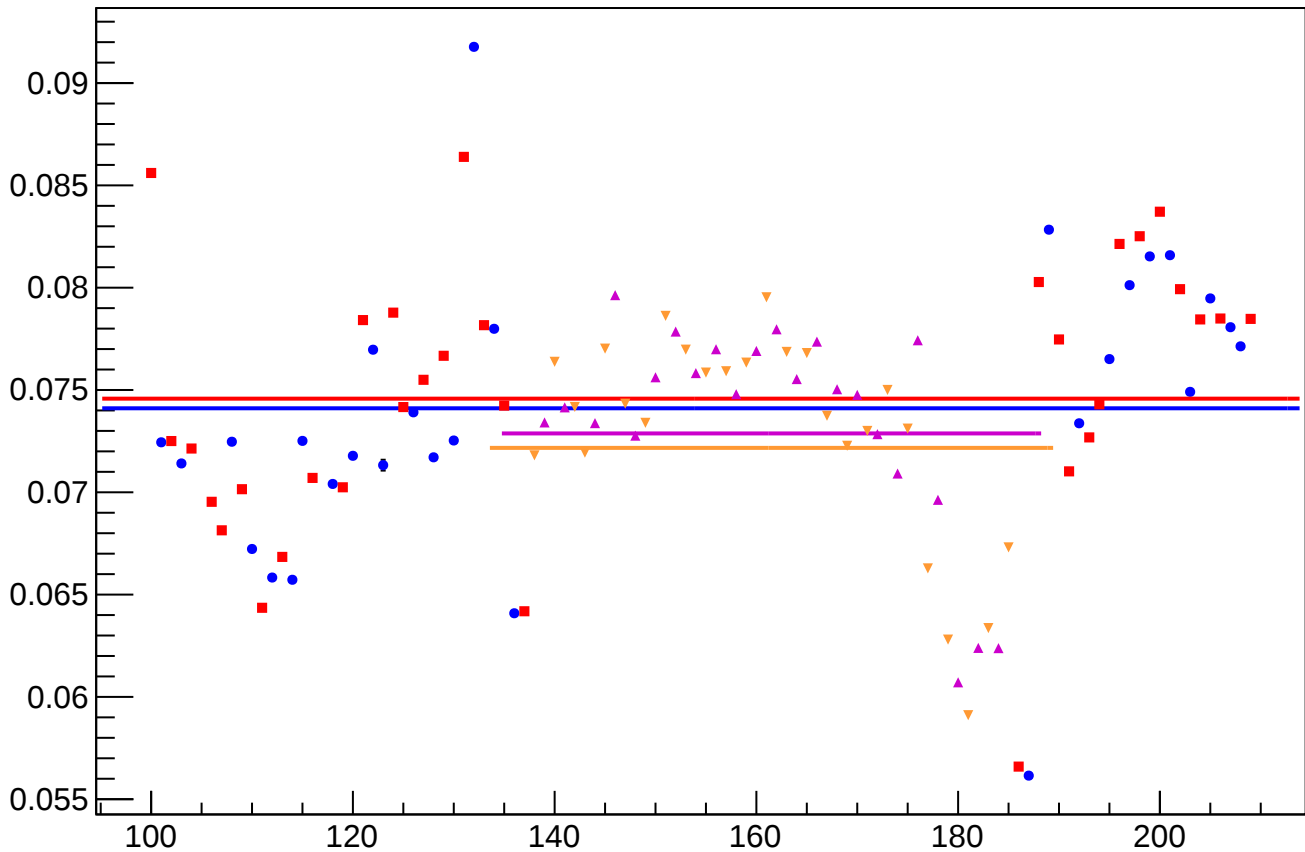
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.262+/-0.000 χ^2/NDF : 12723348688.6/52

All: -1.362+/-0.000 χ^2/NDF : 24131107381.9/100

- sign -1.462+/-0.000 χ^2/NDF : 11286920671.8/54

yield_bpm0r03X_rms vs Slug



Right In: 0.074 $\pm$ 0.000 χ^2 /NDF: 191908.6/27

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:222263.8/24

Right Out: 0.075 $\pm$ 0.000 χ^2 /NDF: 235251.9/31

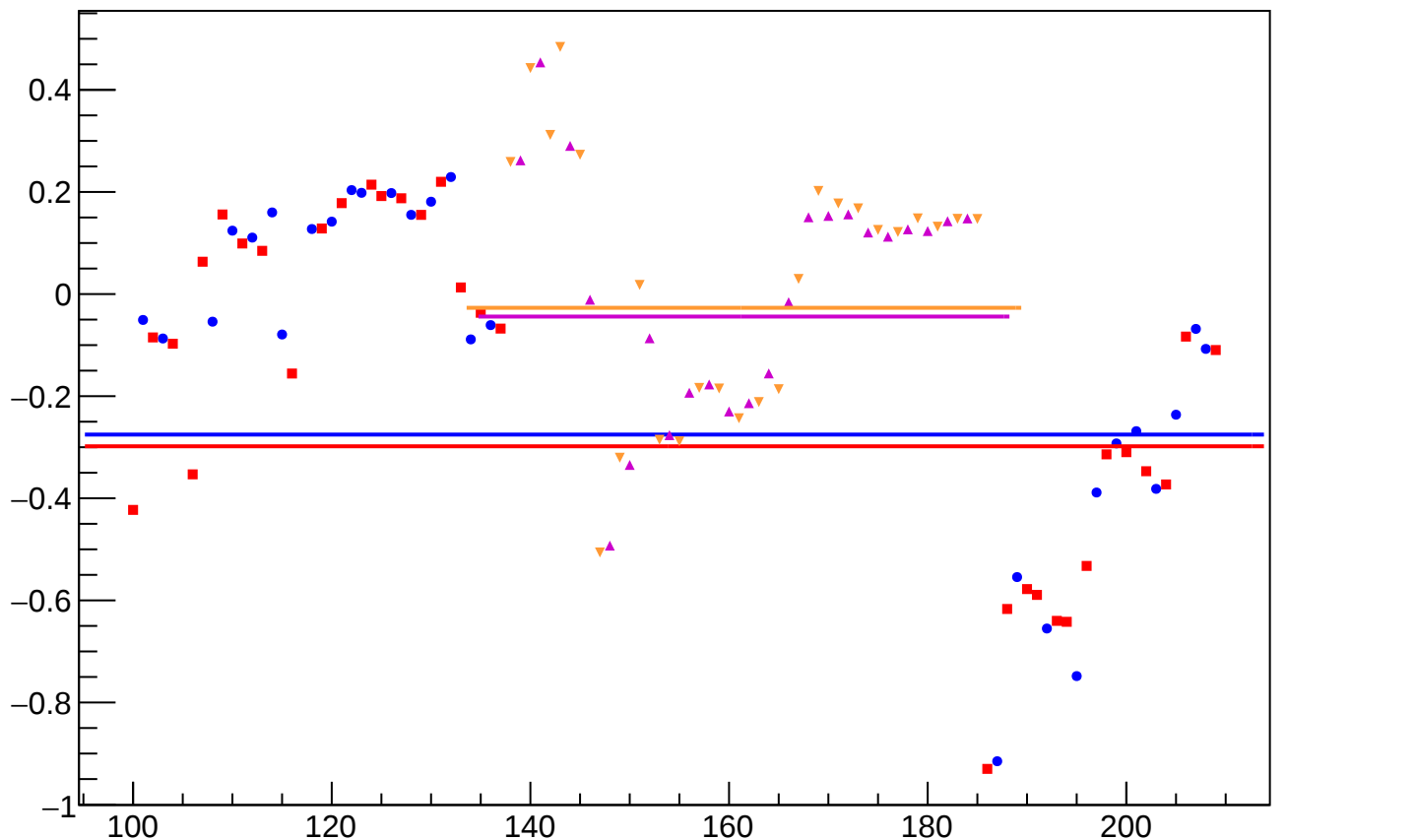
Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:183503.0/22

+ sign 0.073 $\pm$ 0.000 χ^2 /NDF: 425231.8/52

All: 0.073 $\pm$ 0.000 χ^2 /NDF: 855333.0/107

- sign 0.074 $\pm$ 0.000 χ^2 /NDF: 427368.5/54

yield_bpm0r03Y_mean vs Slug



Right In: -0.275+/-0.000 χ^2/NDF : 13770949046.0/27

Left Out: -0.027+/-0.000 χ^2/NDF : 20376761328.6/24

Right Out: -0.298+/-0.000 χ^2/NDF : 12957392489.2/31

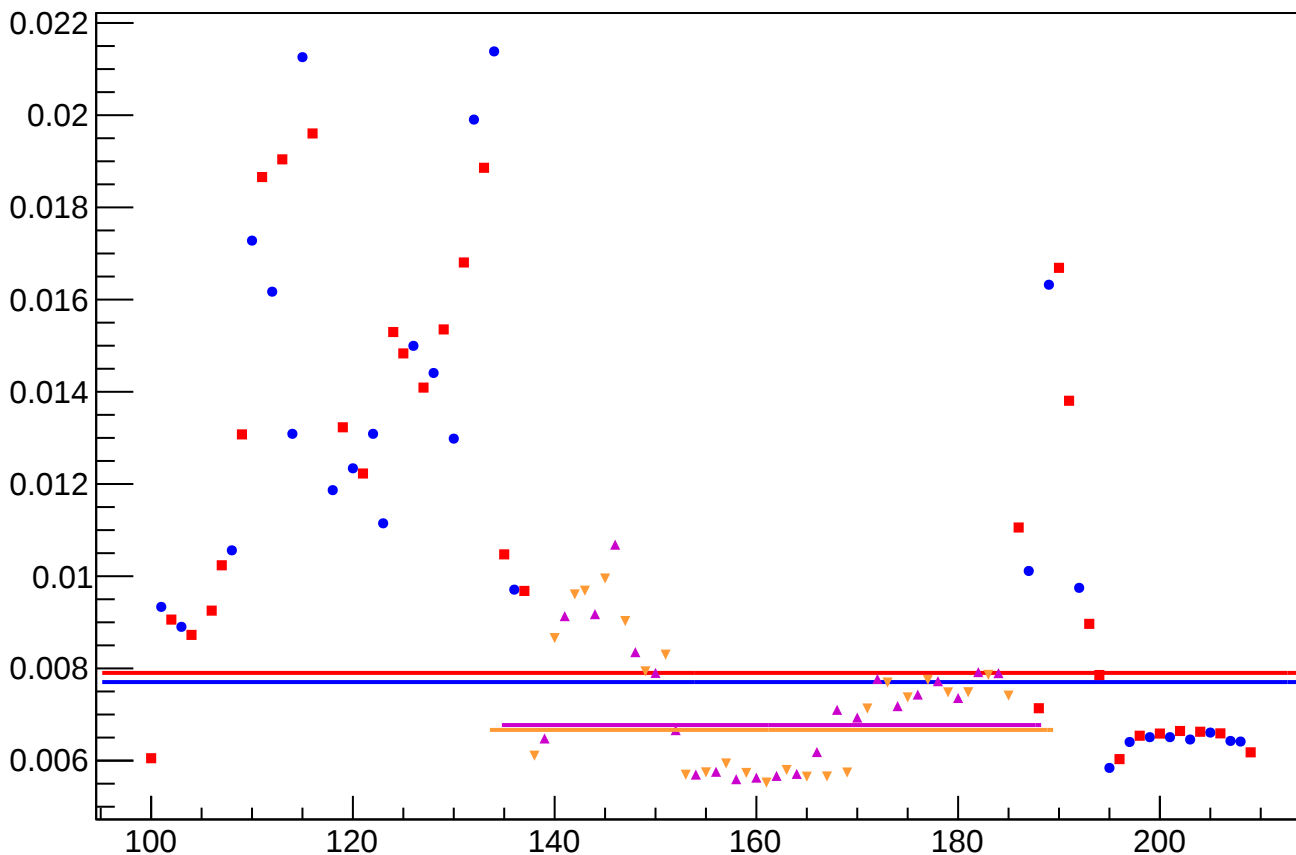
Left In: -0.044+/-0.000 χ^2/NDF : 15718556282.1/22

+ sign -0.115+/-0.000 χ^2/NDF : 42378718718.1/52

All: -0.127+/-0.000 χ^2/NDF : 79660500528.8

- sign -0.140+/-0.000 χ^2/NDF : 37097050175.5/54

yield_bpm0r03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 2786650.9/27

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1143768.6/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3072003.6/31

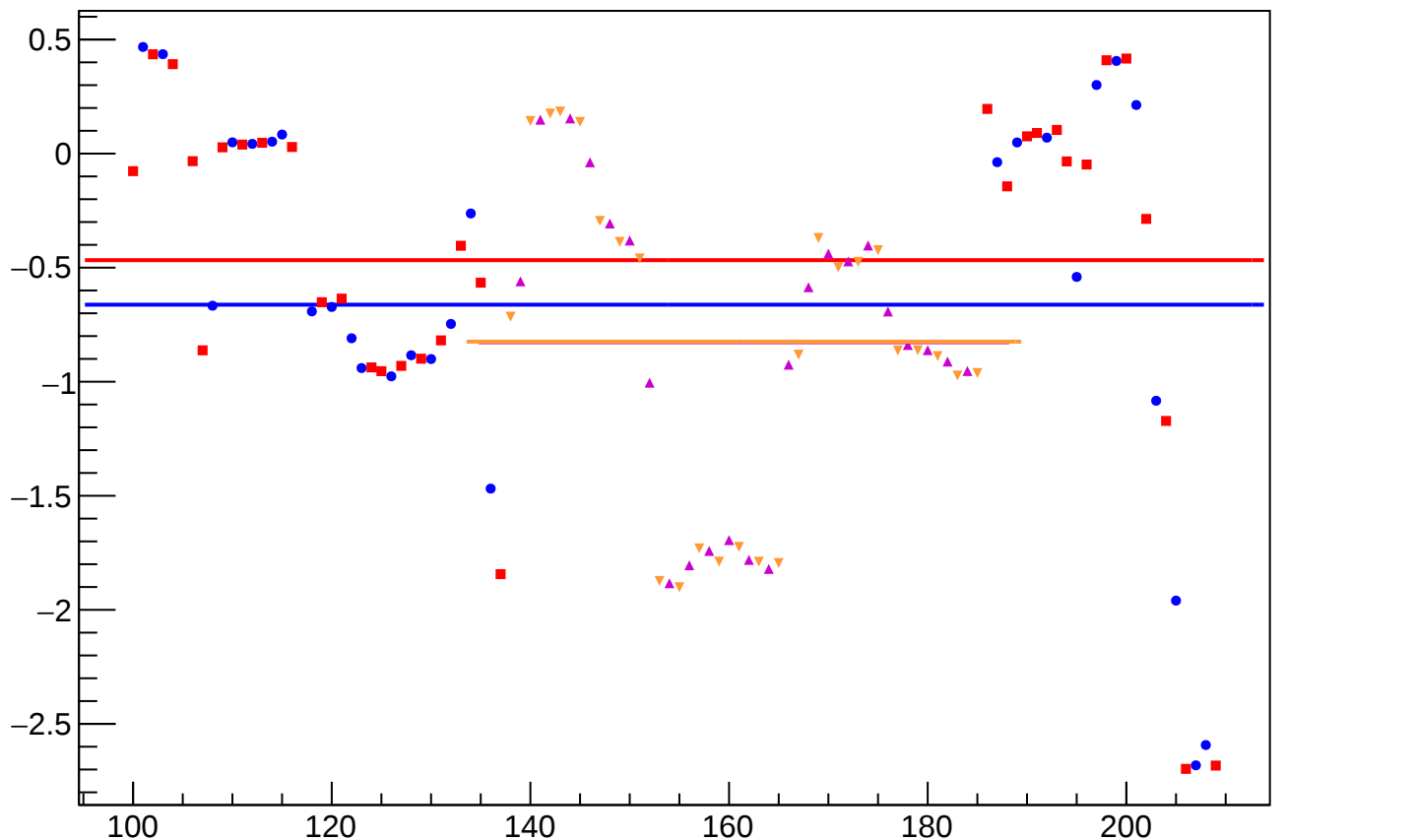
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4217917.4/52

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8573332.1/107

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4339655.7/54

yield_bpm0r05X_mean vs Slug



Right In: -0.662+/-0.000 χ^2/NDF : 1460755922.2/27

Left Out: -0.824+/-0.000 χ^2/NDF : 1103610806.5/24

Right Out: -0.467+/-0.000 χ^2/NDF : 1468757367.8/31

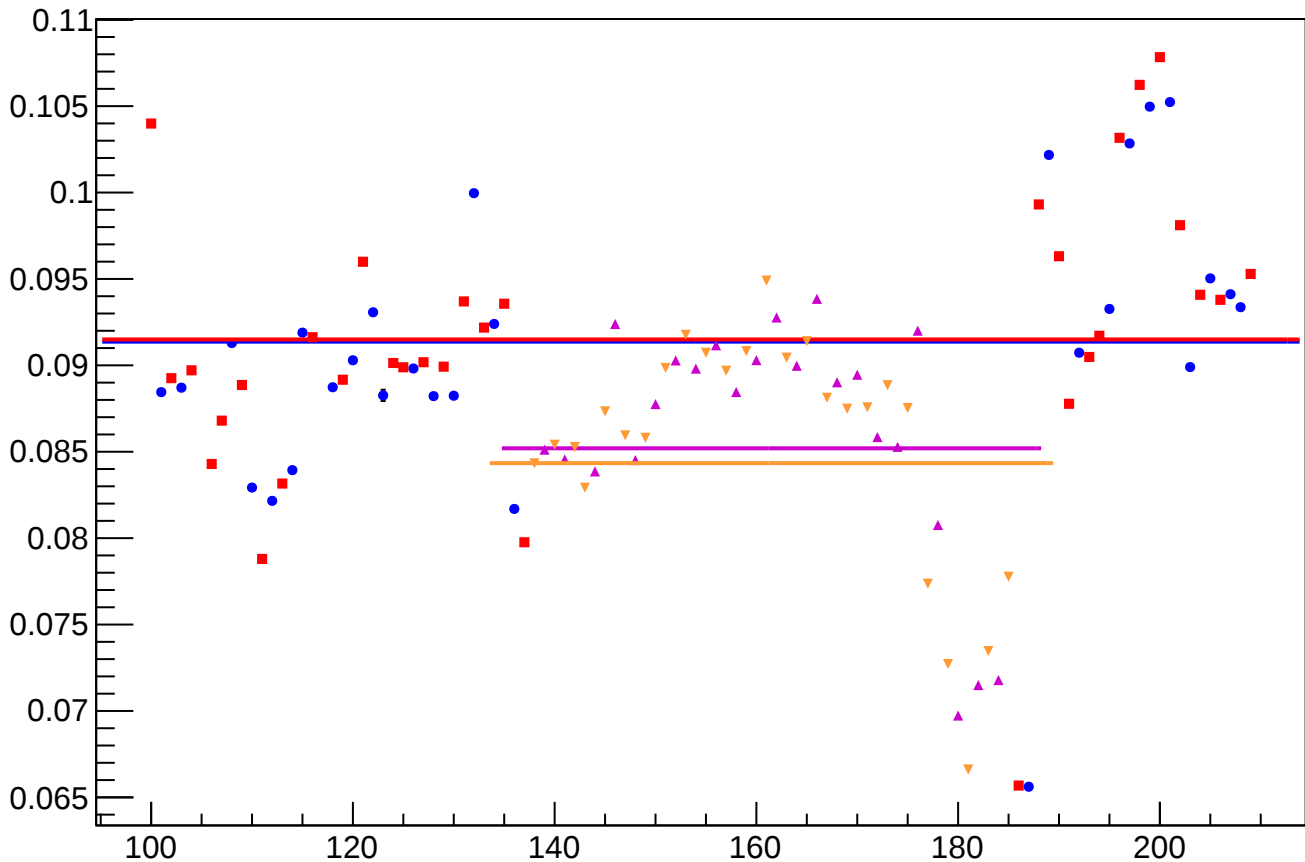
Left In: -0.827+/-0.000 χ^2/NDF : 921651117.3/22

+ sign -0.759+/-0.000 χ^2/NDF : 2591256713.3/52

All: -0.714+/-0.000 χ^2/NDF : 5134652185.3/1

- sign -0.668+/-0.000 χ^2/NDF : 2525560653.5/54

yield_bpm0r05X_rms vs Slug



Right In: 0.091 $\pm$ 0.000 χ^2 /NDF: 191261.7/27

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.091 $\pm$ 0.000 χ^2 /NDF: 283929.9/31

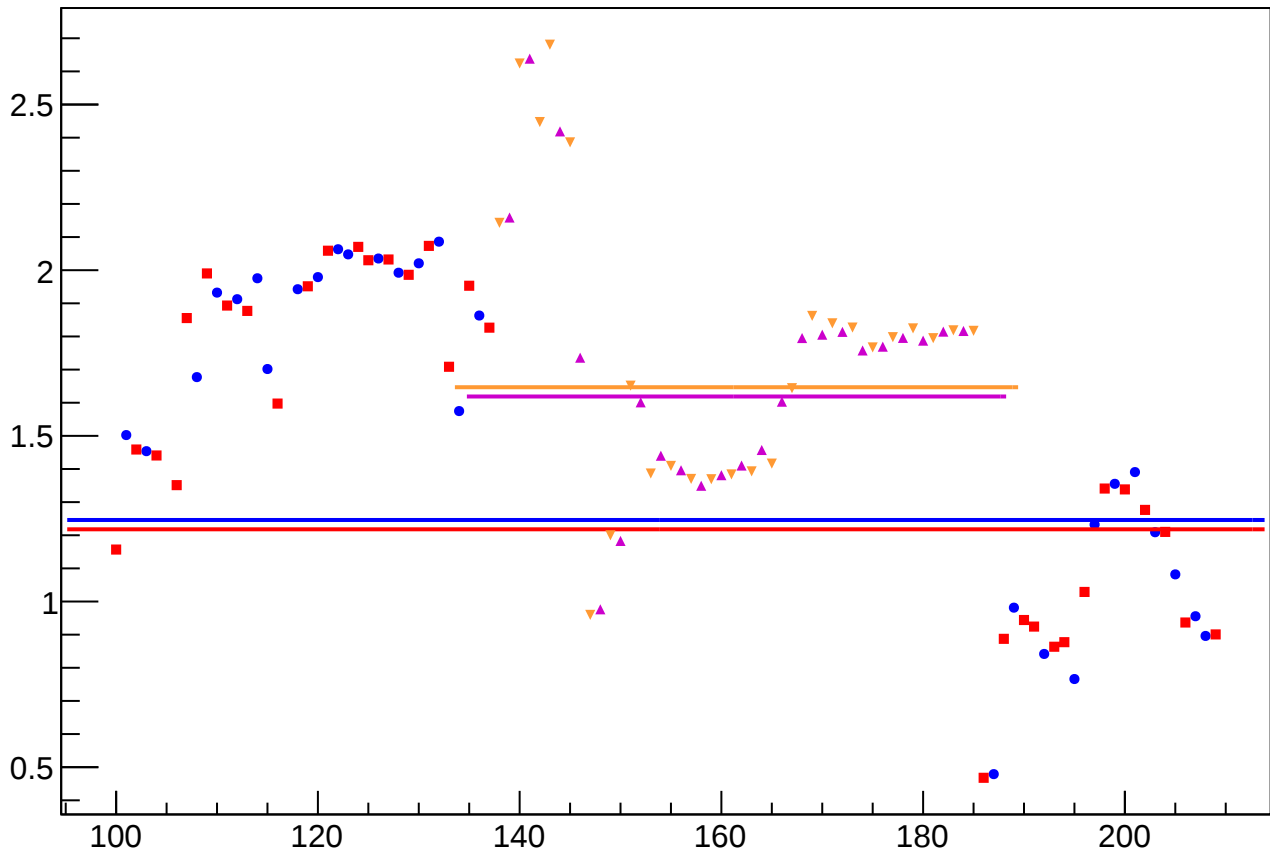
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 580904.8/52

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 1188867.1/107

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 605078.0/54

yield_bpm0r05Y_mean vs Slug



Right In: 1.246 $\pm$ 0.000 χ^2 /NDF: 15573971432.7/27

Left Out: 1.647 $\pm$ 0.000 χ^2 /NDF: 26535241545.7/24

Right Out: 1.218 $\pm$ 0.000 χ^2 /NDF: 14518349328.2/31

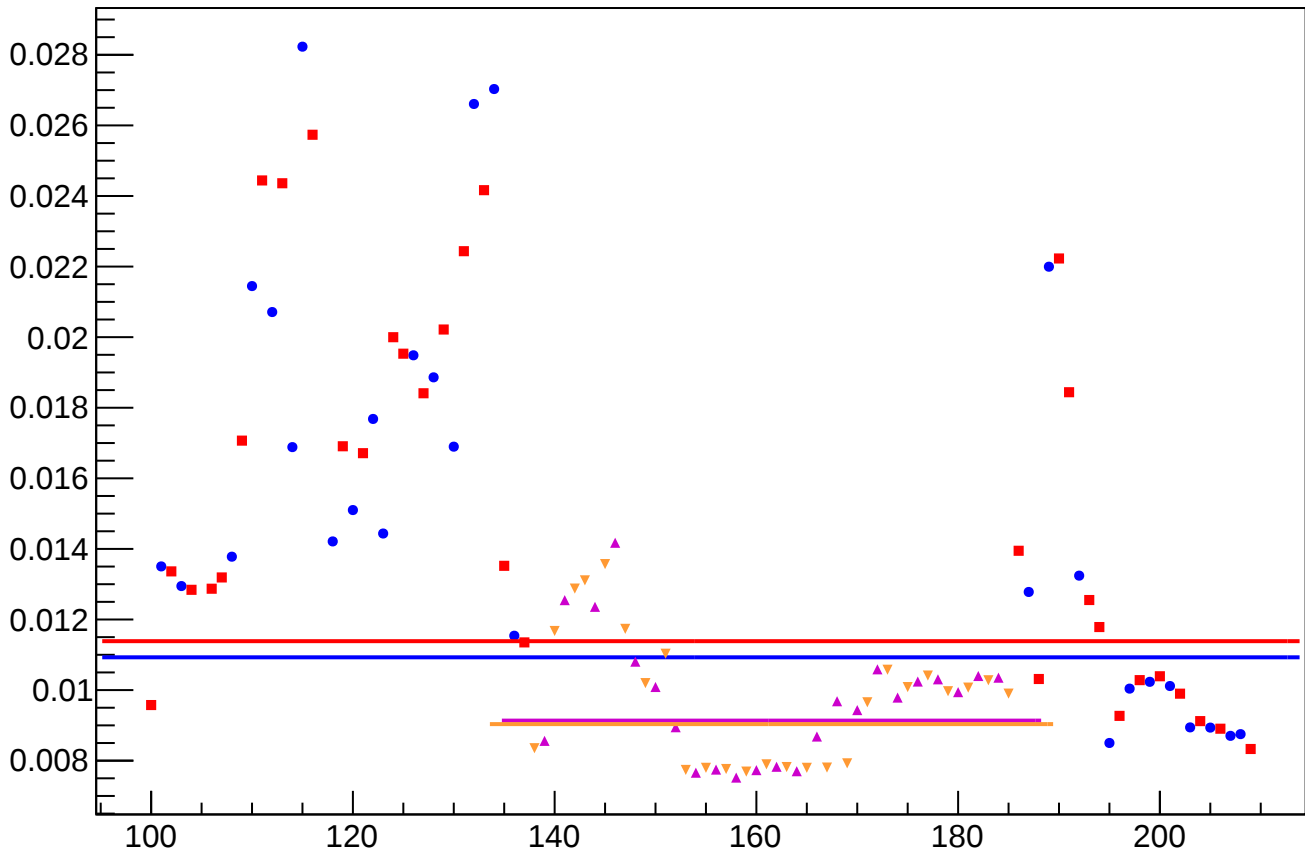
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.513 $\pm$ 0.000 χ^2 /NDF: 53293467379.7/52

All: 1.496 $\pm$ 0.000 χ^2 /NDF: 99403222937.7/100

- sign 1.478 $\pm$ 0.000 χ^2 /NDF: 45929372133.3/54

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2243082.8/27

Left Out: 0.009+/-0.000 χ^2/NDF :1042871.8/24

Right Out: 0.011+/-0.000 χ^2/NDF : 2524472.8/31

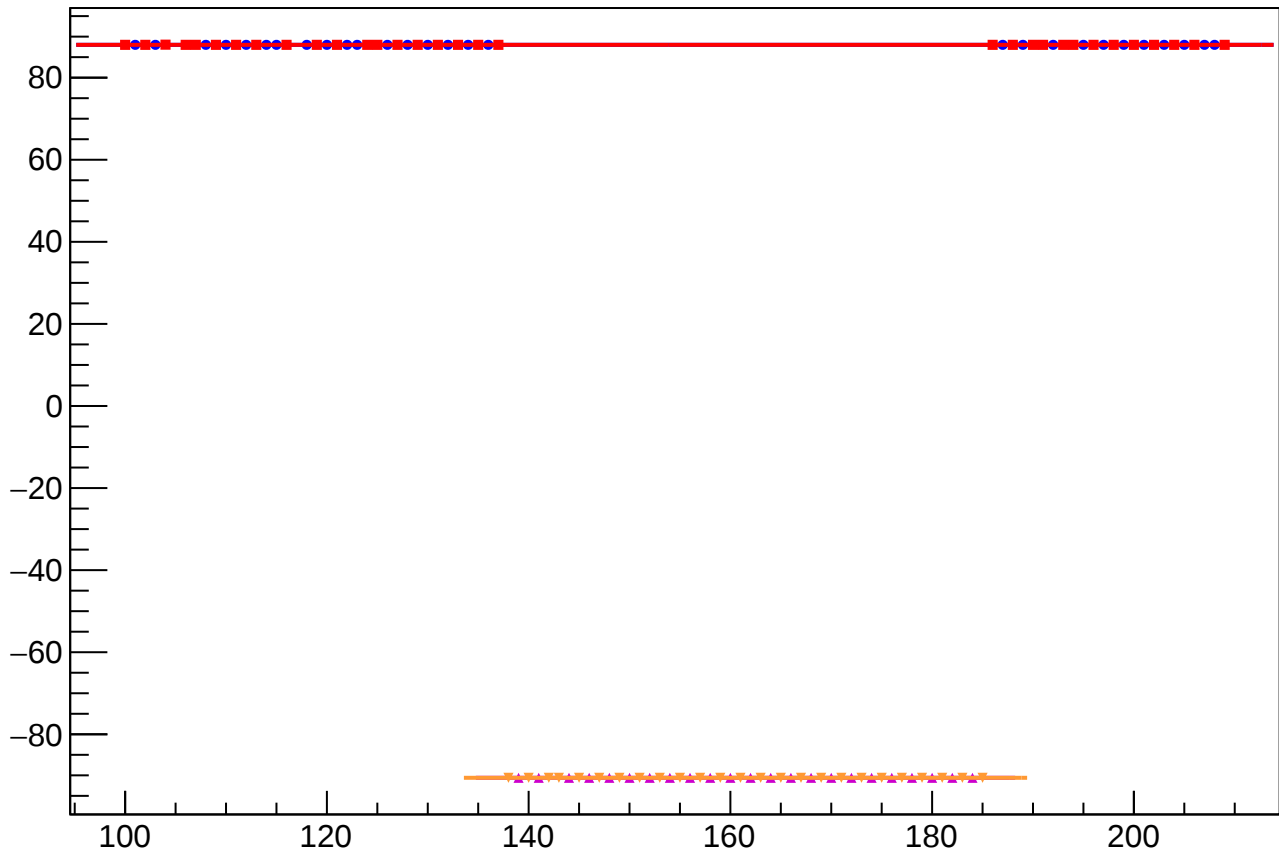
Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3785149.3/52

All: 0.010+/-0.000 χ^2/NDF : 7888486.2/107

- sign 0.010+/-0.000 χ^2/NDF : 4083562.0/54

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 4263736.4/27

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.002 $\pm$ 0.000 χ^2 /NDF: 80817888584585162727960346624.0/31

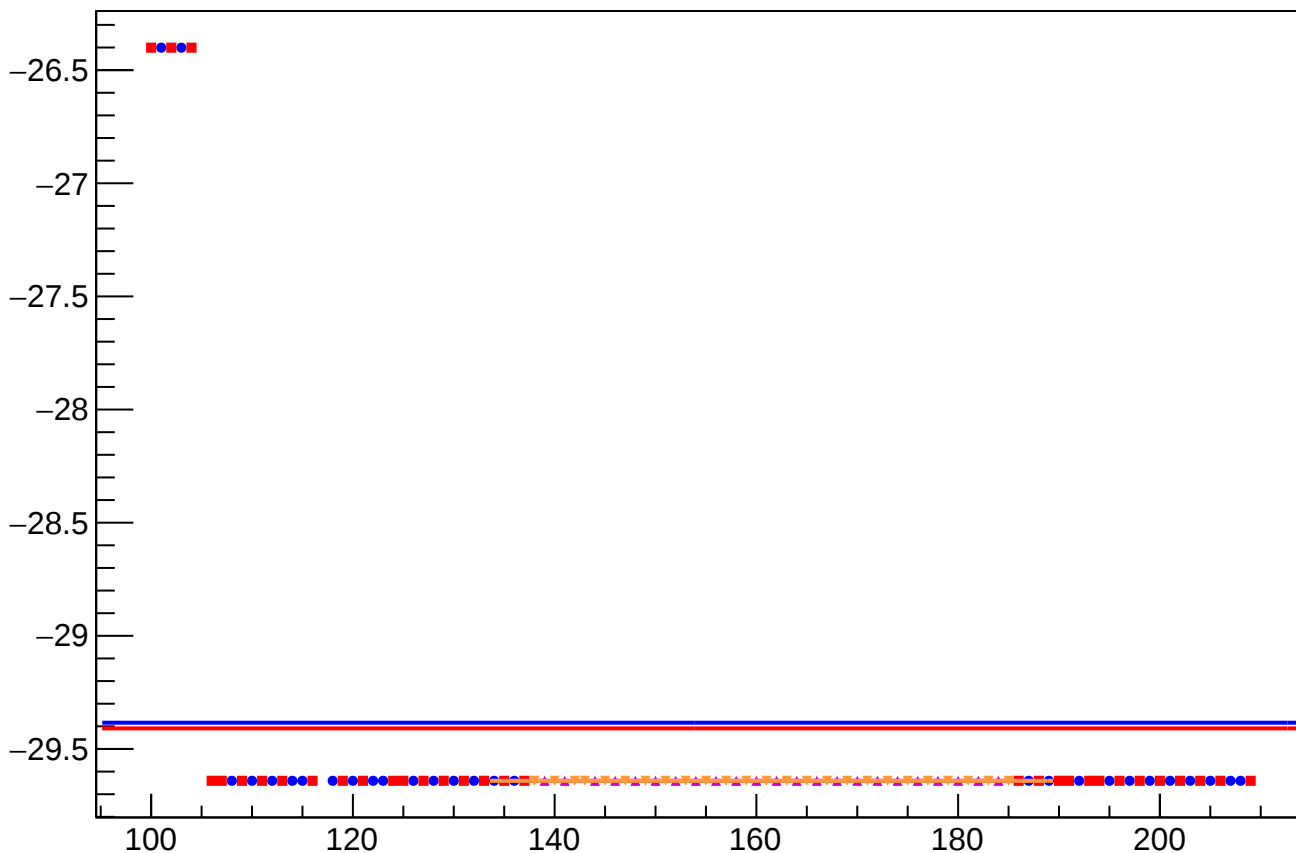
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -12.245 $\pm$ 0.000 χ^2 /NDF: 266588093542132

All: -9.019 $\pm$ 0.000 χ^2 /NDF: 5392453614382

- sign -5.817 $\pm$ 0.000 χ^2 /NDF: 2719536193742955

epics_HWienAngles_mean vs Slug



Right In: -29.384+/-0.000 χ^2/NDF : 1140551197313627463837735861616640.0/27

Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24

Right Out: -29.409+/-0.000 χ^2/NDF : 1130687893530486346841963504861184.0/31

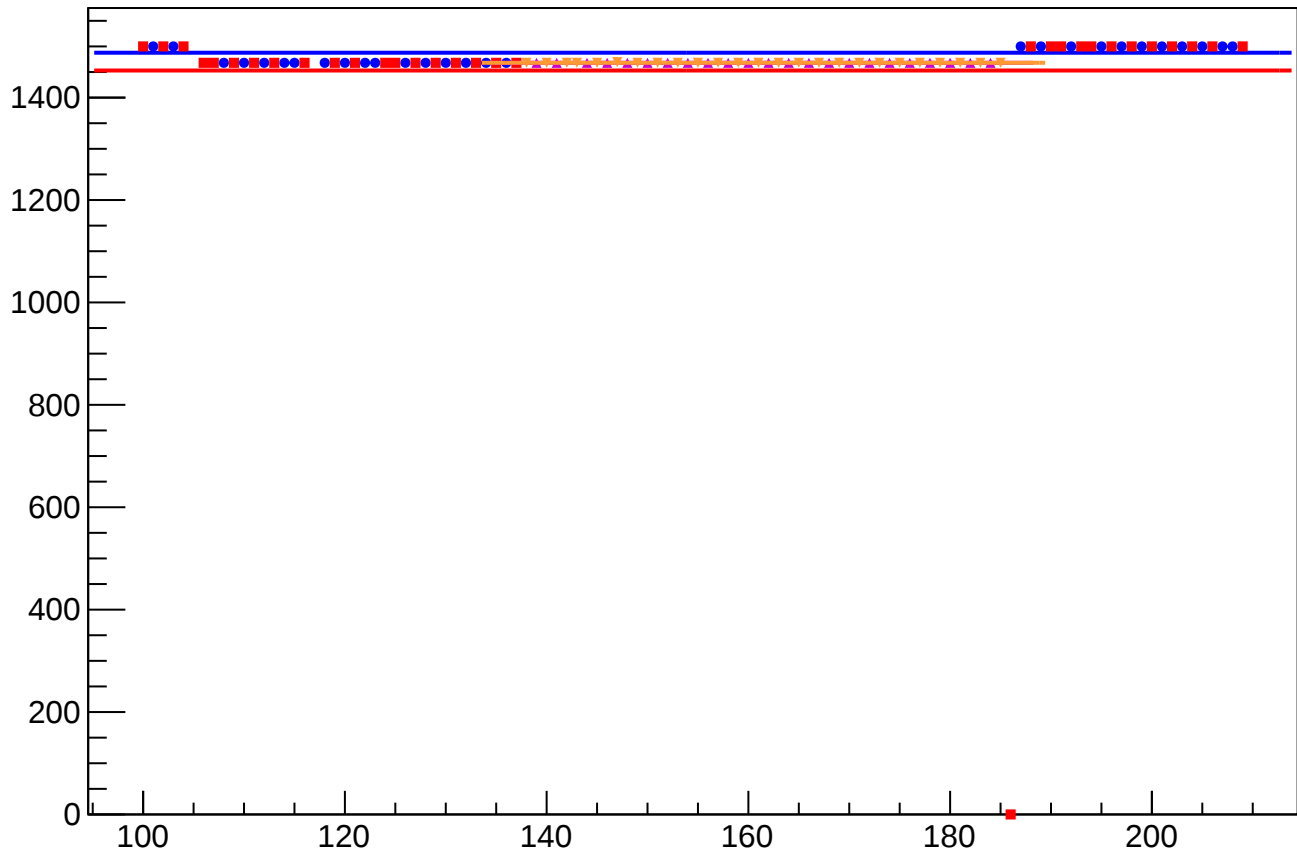
Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22

+ sign -29.528+/-0.000 χ^2/NDF : 119565004030640

All: -29.529+/-0.000 χ^2/NDF : 237206931360

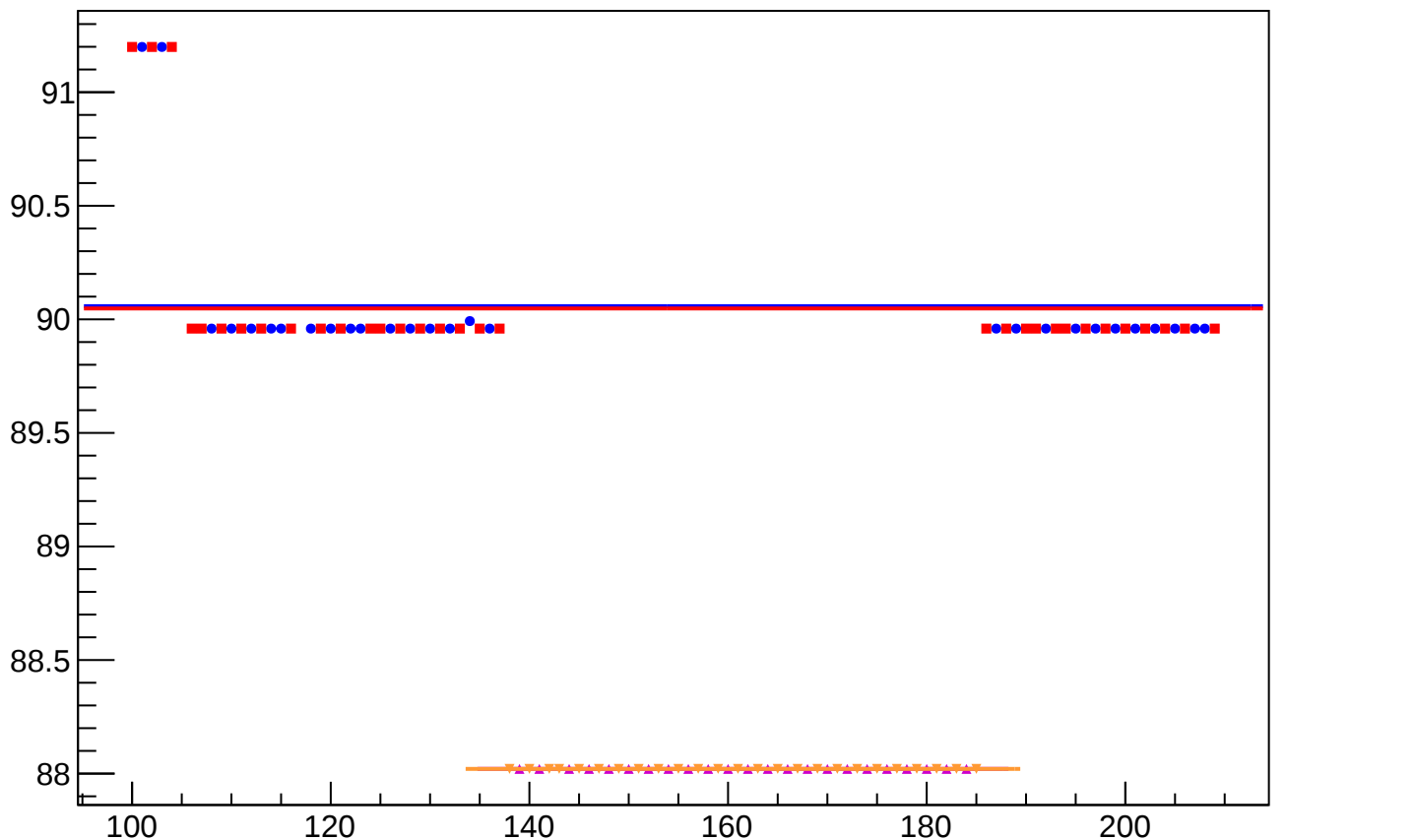
- sign -29.531+/-0.000 χ^2/NDF : 1176406681719774

epics_psub_pl_poss_mean vs Slug



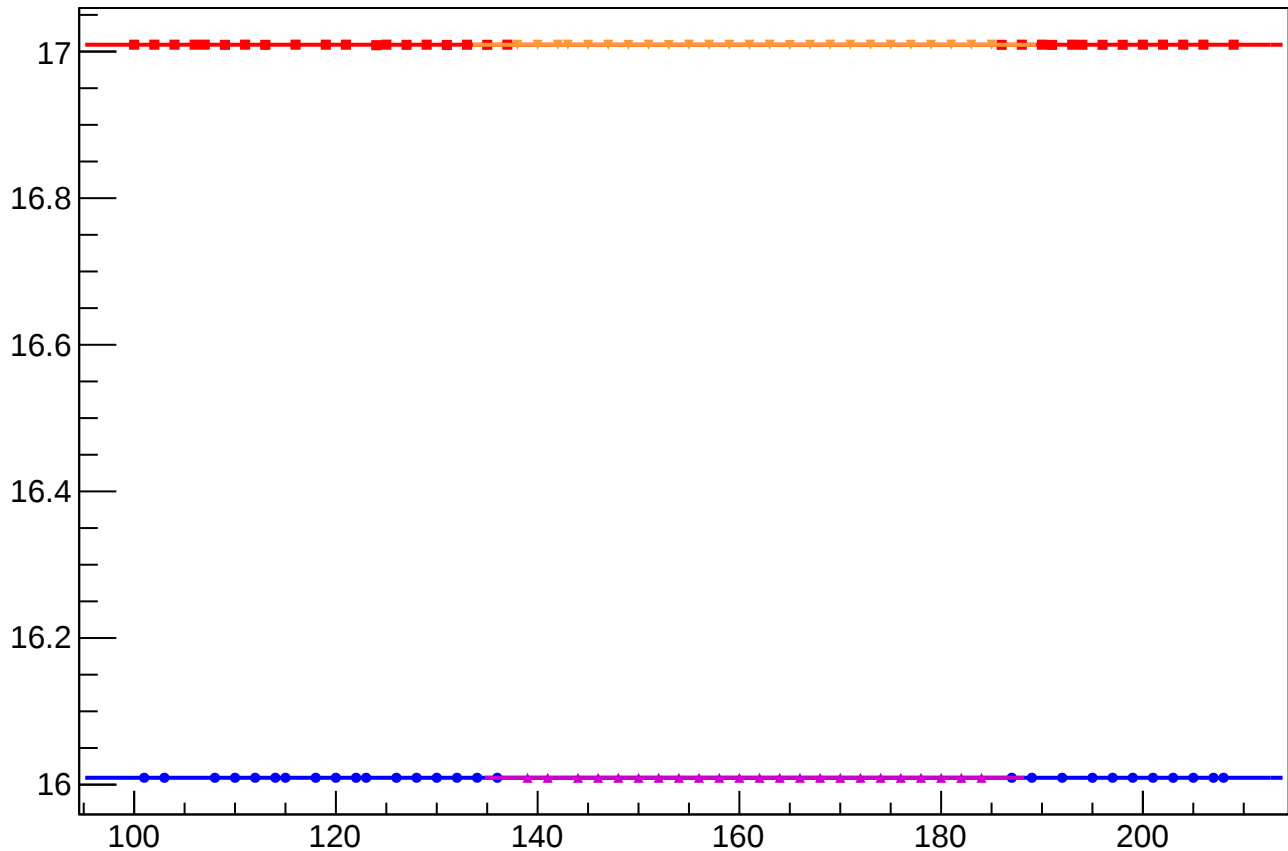
Right In: 1487.679+/-0.000 χ^2/NDF : 361452879704035848600871601530994688.0/27
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24
 Right Out: 1452.964+/-0.000 χ^2/NDF : 82527523591937415827700183546145538048.0/31
 Left In: 1467.994+/-0.000 χ^2/NDF : 14449772795444989723550941184.0/22
 + sign 1476.660+/-0.000 χ^2/NDF : 68364722895705
 All: 1468.731+/-0.000 χ^2/NDF : 83829008967
 - sign 1460.859+/-0.000 χ^2/NDF : 82720111414314

epics_Phi_FGs_mean vs Slug



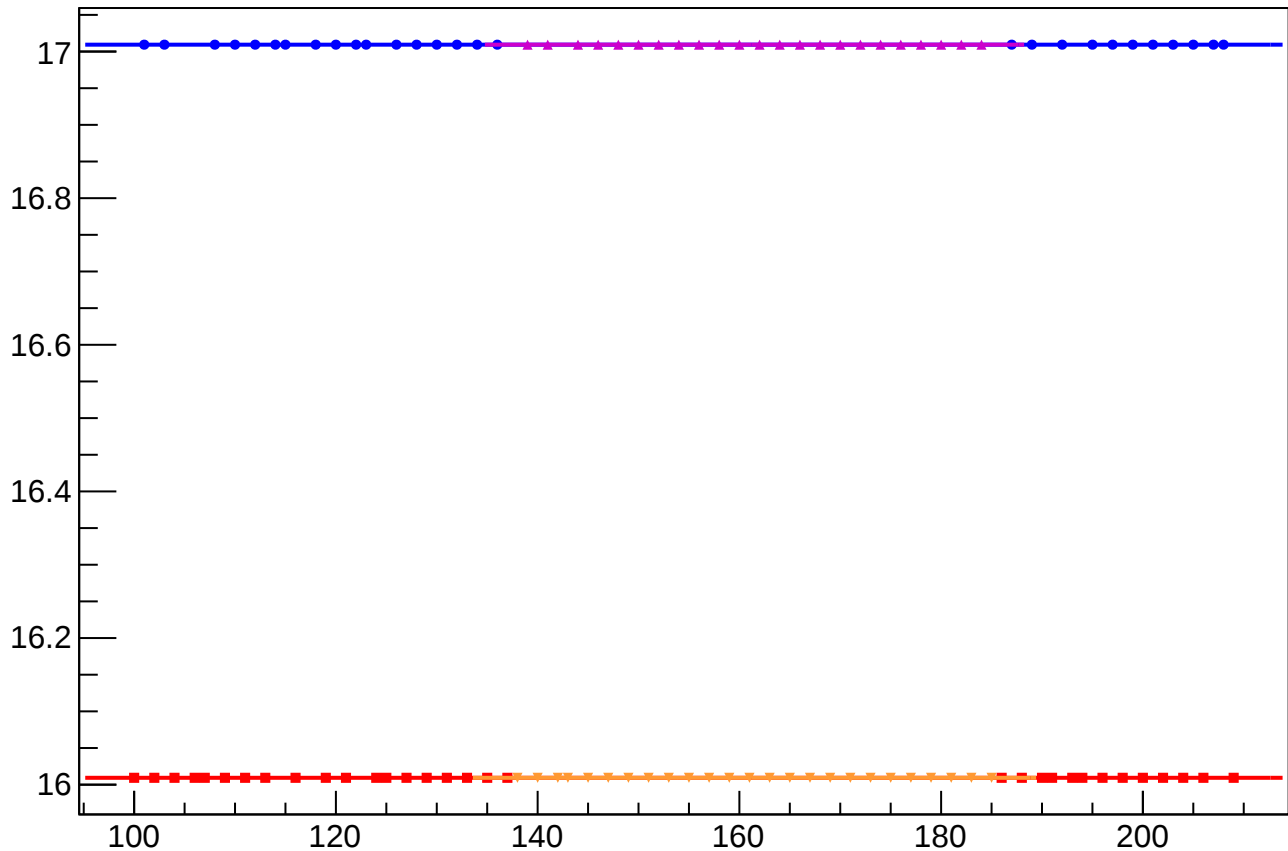
Right In: 90.058 $\pm$ 0.000 χ^2 /NDF: 166944542206349386203750406815744.0/27
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5679798.5/24
 Right Out: 90.048 $\pm$ 0.000 χ^2 /NDF: 165613635982790924611575831592960.0/31
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6257169.0/22
 + sign 88.915 $\pm$ 0.000 χ^2 /NDF: 3635905281608657
 All: 88.949 $\pm$ 0.000 χ^2 /NDF: 7313218358021
 - sign 88.983 $\pm$ 0.000 χ^2 /NDF: 3669317637487629

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000	χ^2 /NDF: 113860715026345430614016.0/27	
Left Out: 17.009 $\pm$ 0.000	χ^2 /NDF: 26194929080144976634970112.0/24	+ sign 16.558 $\pm$ 0.000 χ^2 /NDF: 7989887169507414
Right Out: 17.009 $\pm$ 0.000	χ^2 /NDF: 19038616444723585762721792.0/31	All: 16.525 $\pm$ 0.000 χ^2 /NDF: 1610895622806
Left In: 16.009 $\pm$ 0.000	χ^2 /NDF: 127920993667935400624128.0/22	- sign 16.492 $\pm$ 0.000 χ^2 /NDF: 8049155433627751

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 113860715070937223921664.0/27

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 61253.5/24

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 298706.9/31

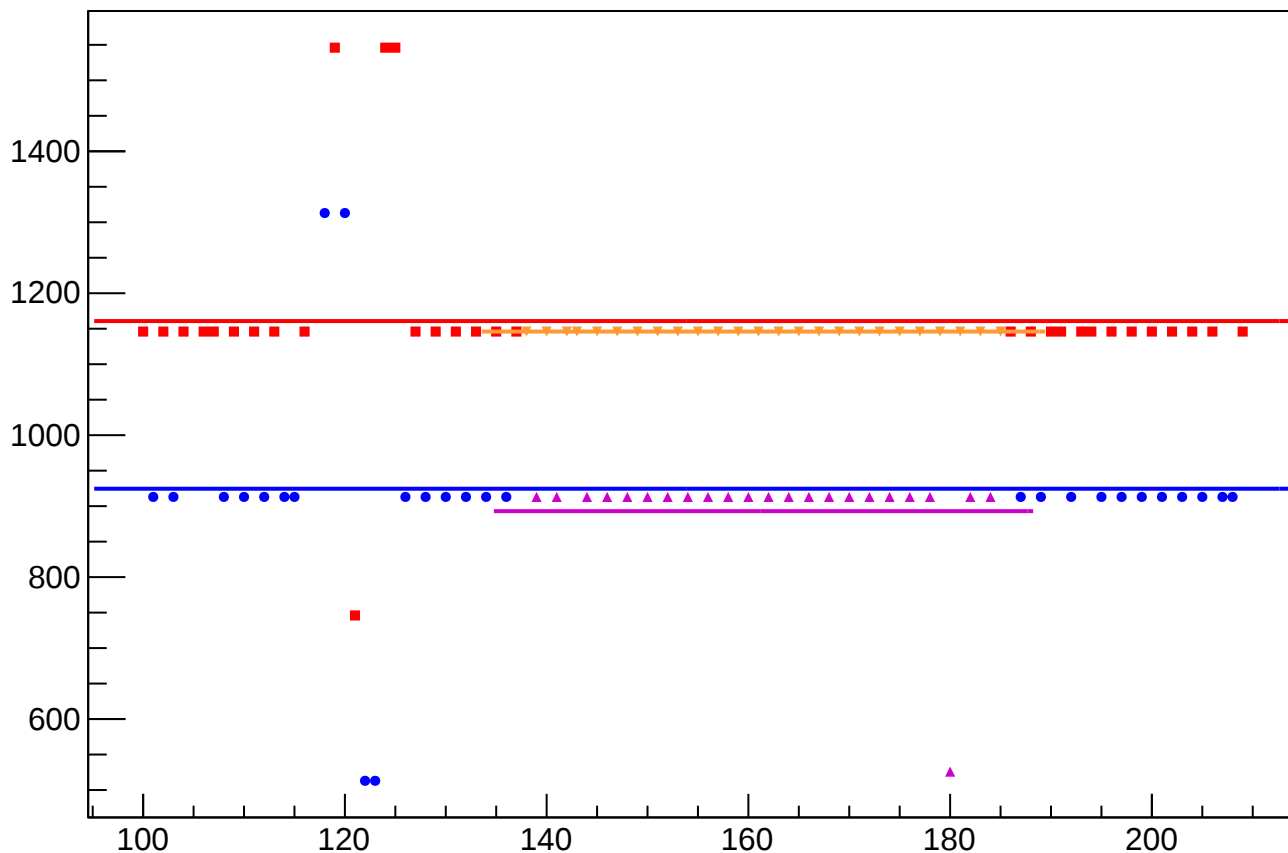
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 114986101427233622065152.0/22

+ sign 16.446 $\pm$ 0.000 χ^2 /NDF: 8210321282632066

All: 16.488 $\pm$ 0.000 χ^2 /NDF: 1673129349601

- sign 16.529 $\pm$ 0.000 χ^2 /NDF: 8403937928114032

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 924.546 +/- 0.000 χ^2/NDF : 21082664331199014519694311233301774336.0/27

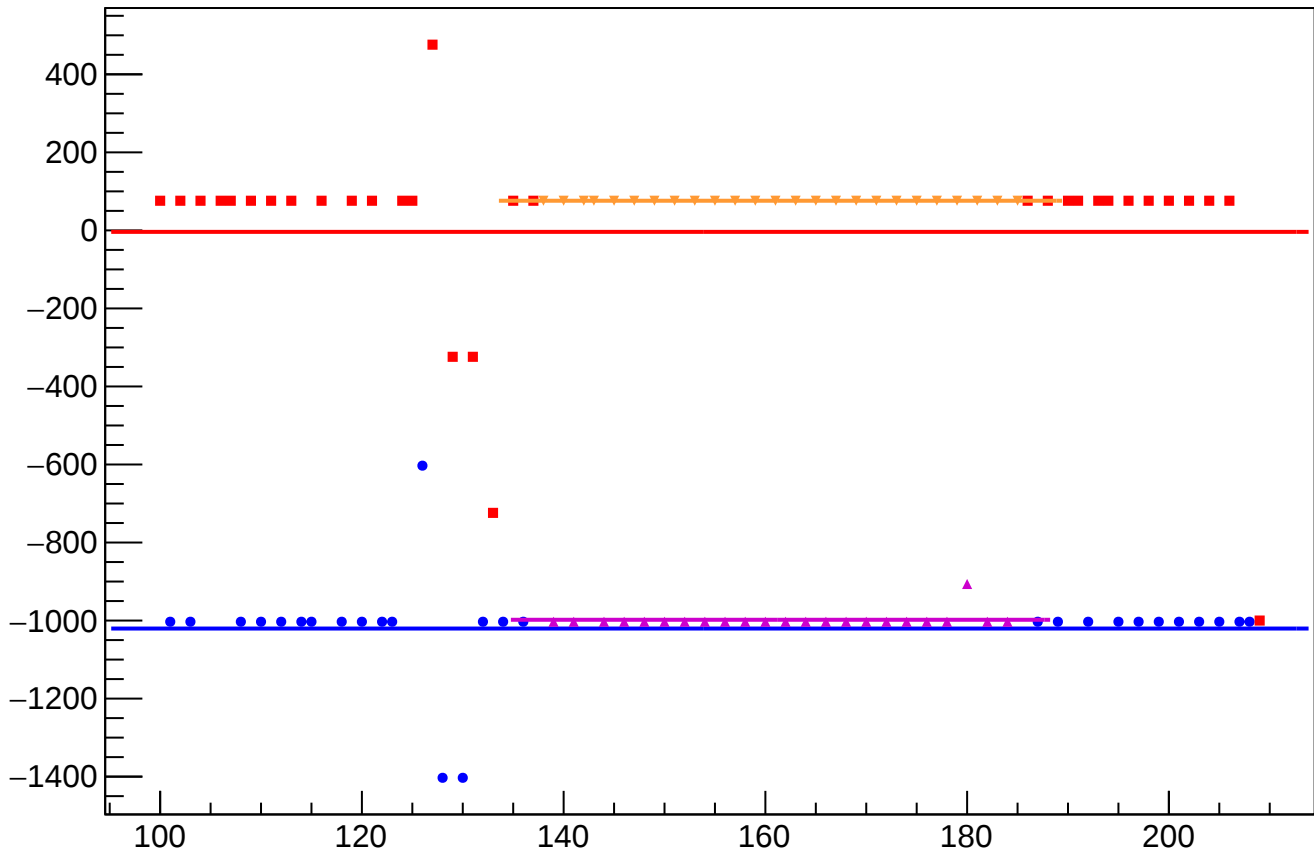
Left Out: 1146.011 +/- 0.000 χ^2/NDF : 8056834670270133849999540224.0/24

Right Out: 1160.797 +/- 0.000 χ^2/NDF : 21725831242412063752360104937287319552.0/31

Left In: 892.950 +/- 0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

All: 1034.421 +/- 0.000 χ^2/NDF : 15958580999540224.0/24

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1020.450 ± 0.000 χ^2/NDF : 22745673140214995212111968669496508416.0/27
 Left Out: 76.011 ± 0.000 χ^2/NDF : 11479003589933272170007363584.0/24
 Right Out: -3.780 ± 0.000 χ^2/NDF : 123539576063500561706834042267426095104.0/31
 Left In: -997.979 ± 0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22