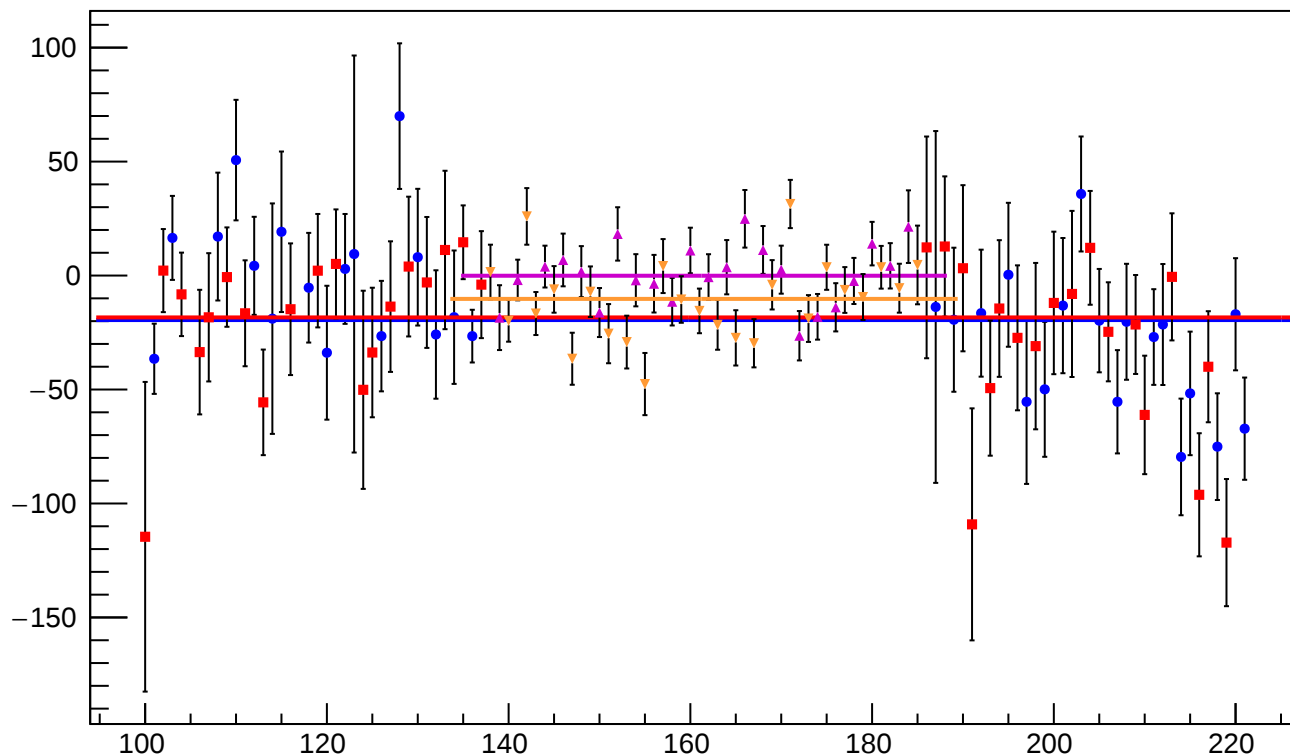


diff_bpm4aX_mean vs Slug



Right In: -19.524 ± 4.180

χ^2/NDF : 54.0/34

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -18.372 ± 4.375

χ^2/NDF : 48.5/36

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -12.210 ± 1.926

χ^2/NDF : 116.0/59

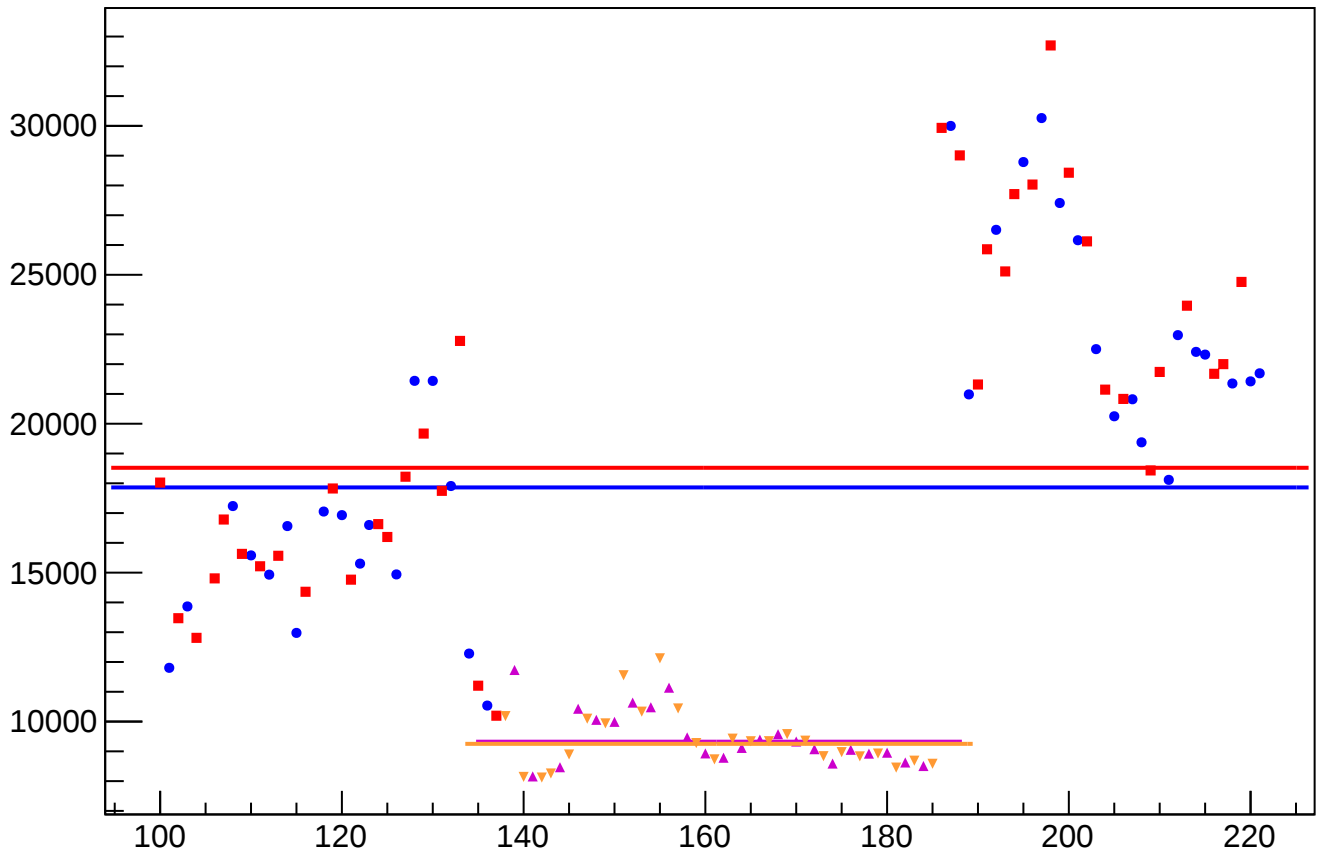
All: -8.218 ± 1.388

χ^2/NDF : 217.1/119

- sign -3.908 ± 2.001

χ^2/NDF : 92.2/59

diff_bpm4aX_rms vs Slug



Right In: 17861.174 $\pm$ 2.956 χ^2 /NDF: 3052070.0/34

Left Out: 9251.811 $\pm$ 1.535 χ^2 /NDF:332323.3/24

Right Out: 18520.431 $\pm$ 3.093 χ^2 /NDF: 3076549.0/36

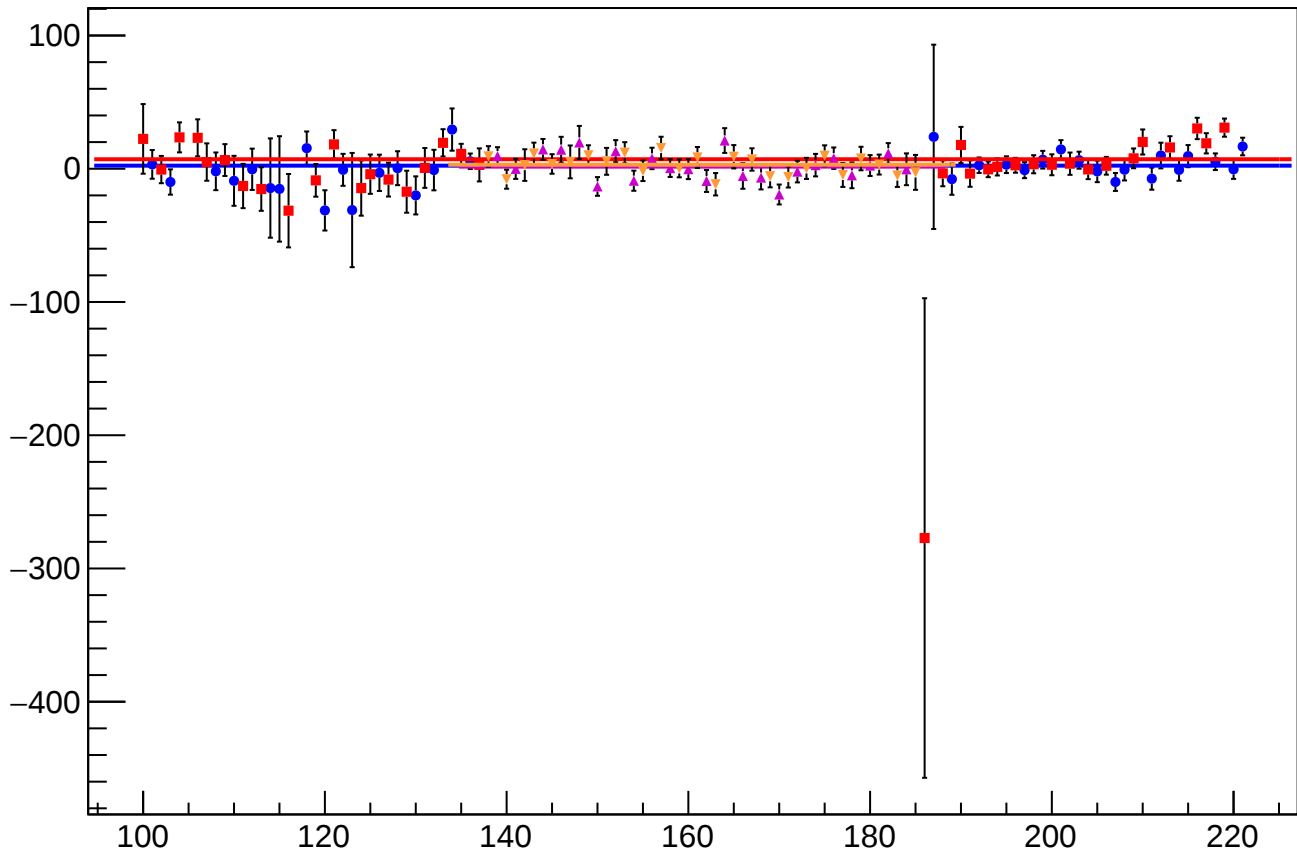
Left In: 9323.983 $\pm$ 1.591 χ^2 /NDF:275717.0/22

+ sign 11079.769 $\pm$ 1.362 χ^2 /NDF: 10067116.4/59

All: 11160.934 $\pm$ 0.981 χ^2 /NDF: 20415694.7

- sign 11248.554 $\pm$ 1.415 χ^2 /NDF: 10341193.1/59

diff_bpm4aY_mean vs Slug



Right In: 2.326 ± 1.509 χ^2/NDF : 32.0/34

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

Right Out: 7.136 ± 1.546 χ^2/NDF : 56.9/36

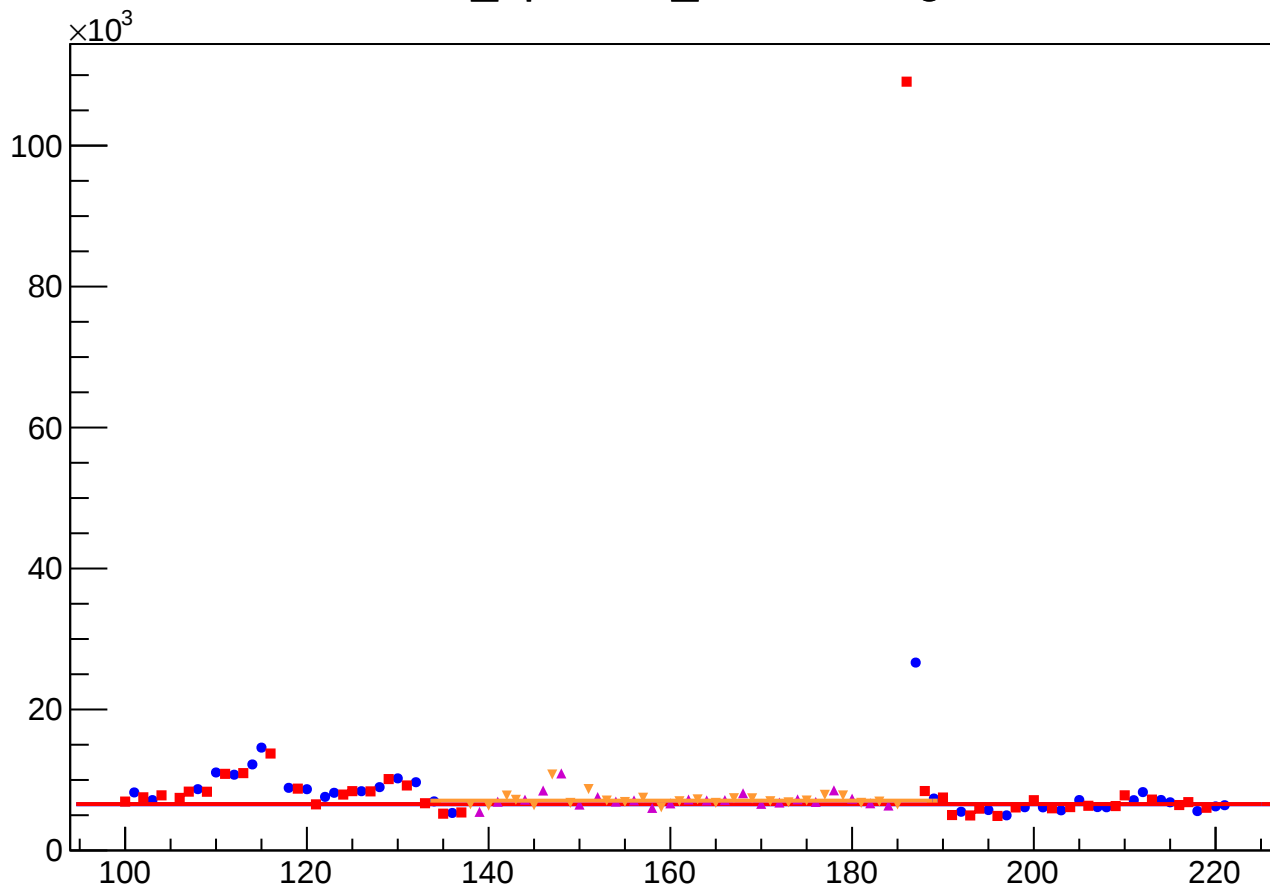
Left In: 1.588 ± 1.703 χ^2/NDF : 35.5/22

+ sign 2.643 ± 1.117 χ^2/NDF : 50.7/59

All: 3.612 ± 0.799 χ^2/NDF : 150.5/119

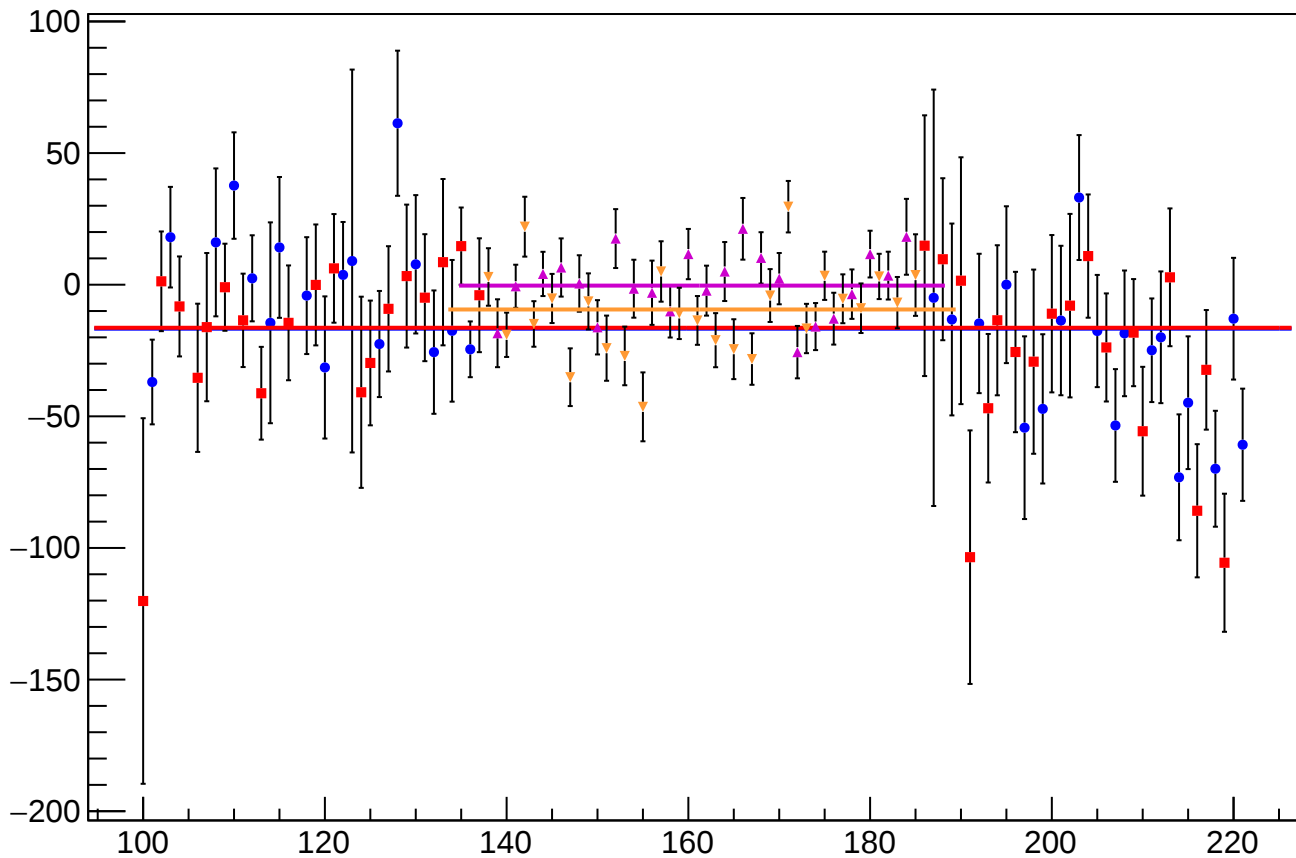
- sign 4.630 ± 1.144 χ^2/NDF : 98.2/59

diff_bpm4aY_rms vs Slug



Right In: 6553.245 ± 1.067 $\chi^2/\text{NDF}: 1670720.5/34$ + sign 6784.497 ± 0.790 $\chi^2/\text{NDF}: 2161338.2/59$
 Left Out: 7064.457 ± 1.174 $\chi^2/\text{NDF}: 386814.9/24$ All: 6780.728 ± 0.565 $\chi^2/\text{NDF}: 4924566.7/11$
 Right Out: 6580.824 ± 1.093 $\chi^2/\text{NDF}: 2166703.9/36$ - sign 6776.772 ± 0.809 $\chi^2/\text{NDF}: 2763181.9/59$
 Left In: 7014.572 ± 1.204 $\chi^2/\text{NDF}: 525313.7/22$

diff_bpm4eX_mean vs Slug



Right In: -16.705 ± 3.838 χ^2/NDF : 54.8/34

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

Right Out: -16.357 ± 3.977 χ^2/NDF : 45.6/36

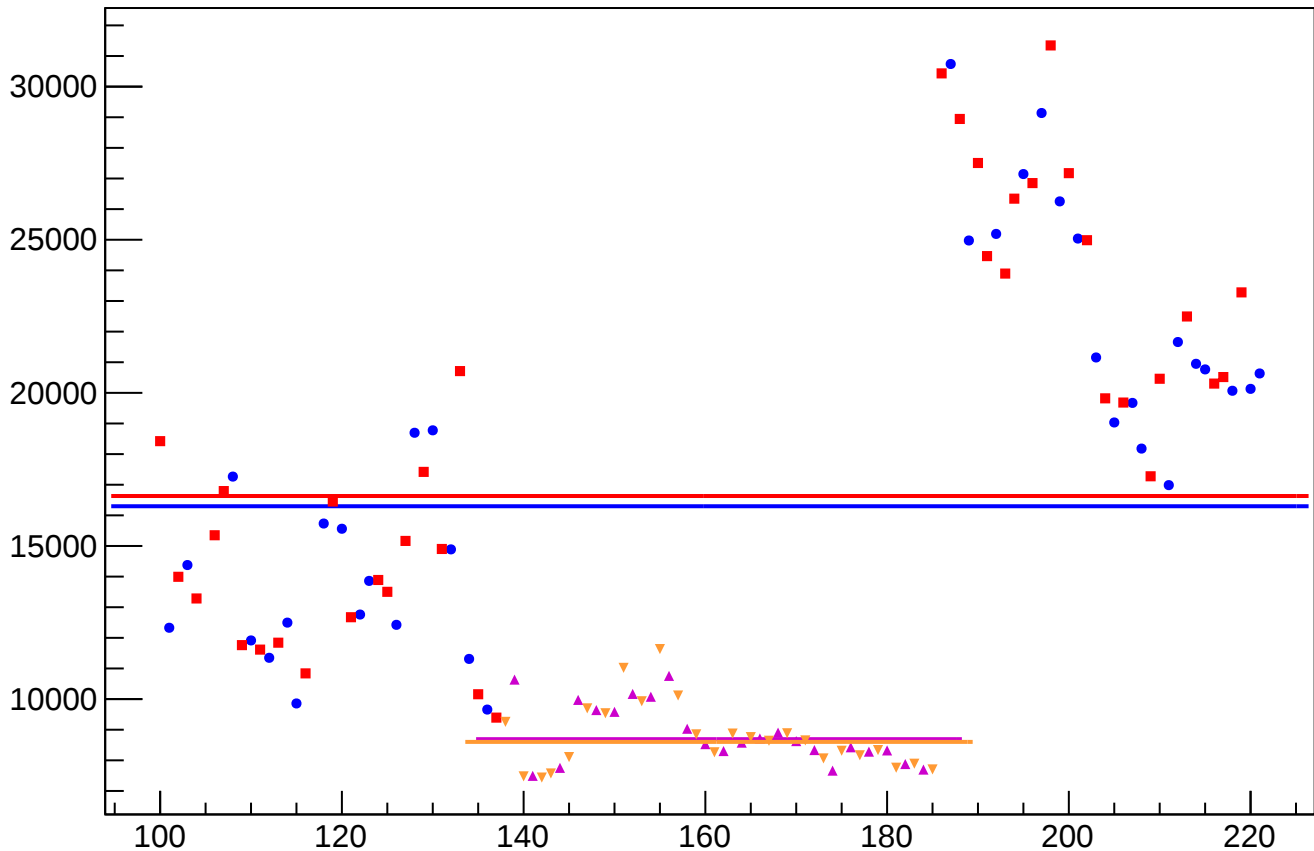
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -10.994 ± 1.788 χ^2/NDF : 116.4/59

All: -7.551 ± 1.288 χ^2/NDF : 212.4/119

- sign -3.837 ± 1.857 χ^2/NDF : 88.2/59

diff_bpm4eX_rms vs Slug



Right In: 16297.482 $\pm$ 2.714 χ^2 /NDF: 3582041.8/34

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

Right Out: 16631.594 $\pm$ 2.812 χ^2 /NDF: 3920033.3/36

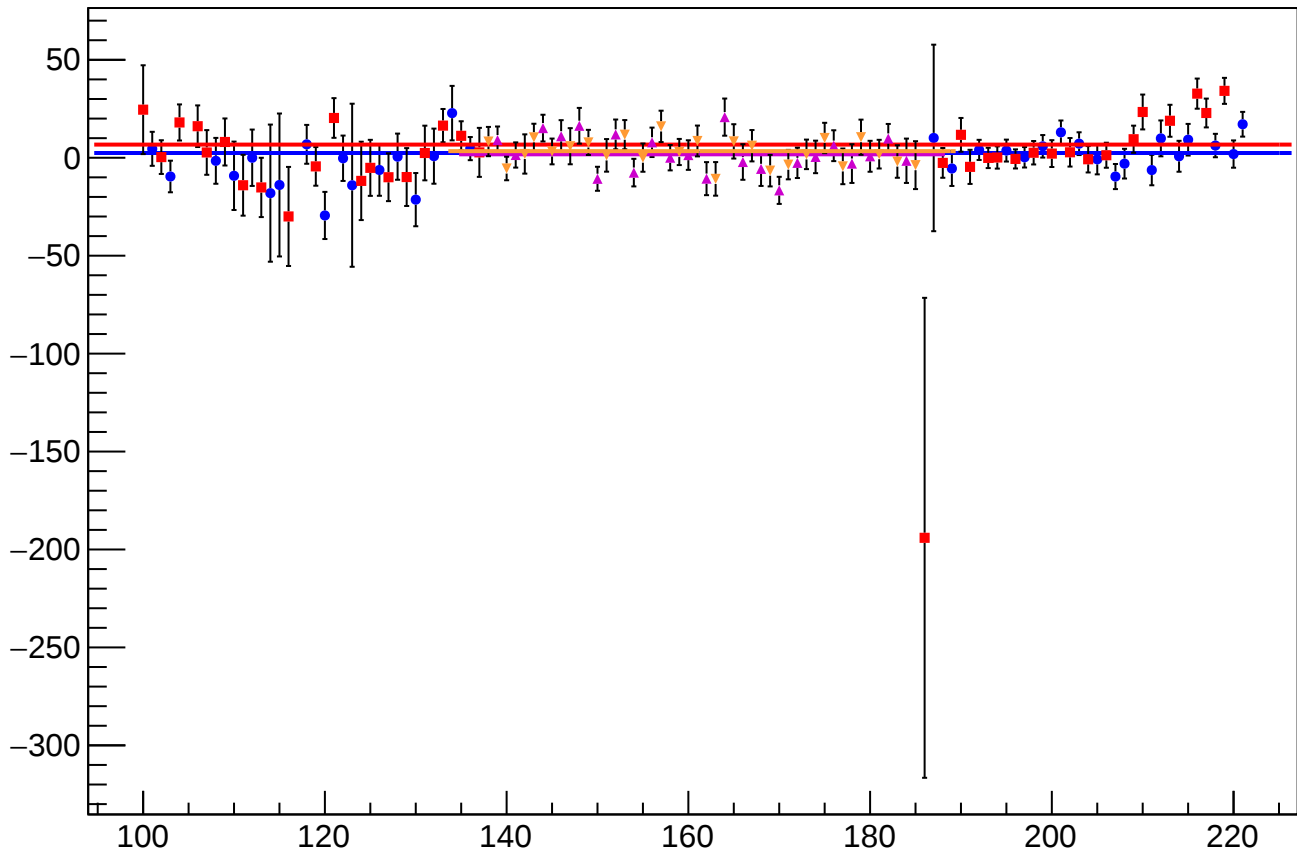
Left In: 8691.203 $\pm$ 1.485 χ^2 /NDF:365254.6/22

+ sign 10272.654 $\pm$ 1.264 χ^2 /NDF: 10315225.2/59

All: 10345.112 $\pm$ 0.911 χ^2 /NDF: 20841735.9

- sign 10423.276 $\pm$ 1.313 χ^2 /NDF: 10519685.0/59

diff_bpm4eY_mean vs Slug



Right In: 2.429 $\pm$ 1.378 χ^2 /NDF: 34.6/34

Left Out: 3.374 $\pm$ 1.552 χ^2 /NDF: 17.2/24

Right Out: 6.719 $\pm$ 1.389 χ^2 /NDF: 73.1/36

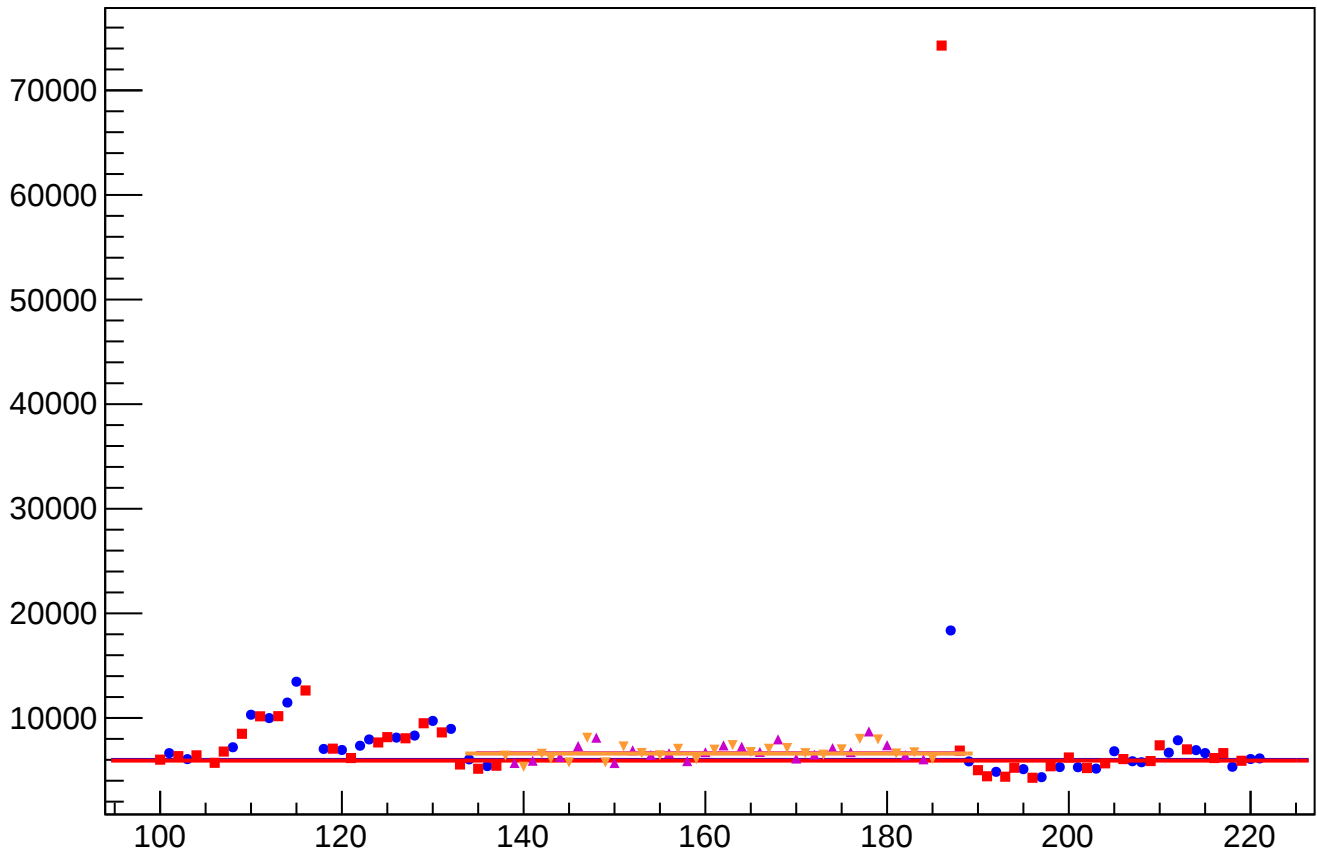
Left In: 1.756 $\pm$ 1.607 χ^2 /NDF: 33.5/22

+ sign 2.846 $\pm$ 1.030 χ^2 /NDF: 52.0/59

All: 3.704 $\pm$ 0.736 χ^2 /NDF: 165.5/119

- sign 4.597 $\pm$ 1.051 χ^2 /NDF: 112.1/59

diff_bpm4eY_rms vs Slug



Right In: 5987.578+/-0.974 χ^2/NDF : 1670421.6/34

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

Right Out: 5925.465+/-0.982 χ^2/NDF : 2254605.7/36

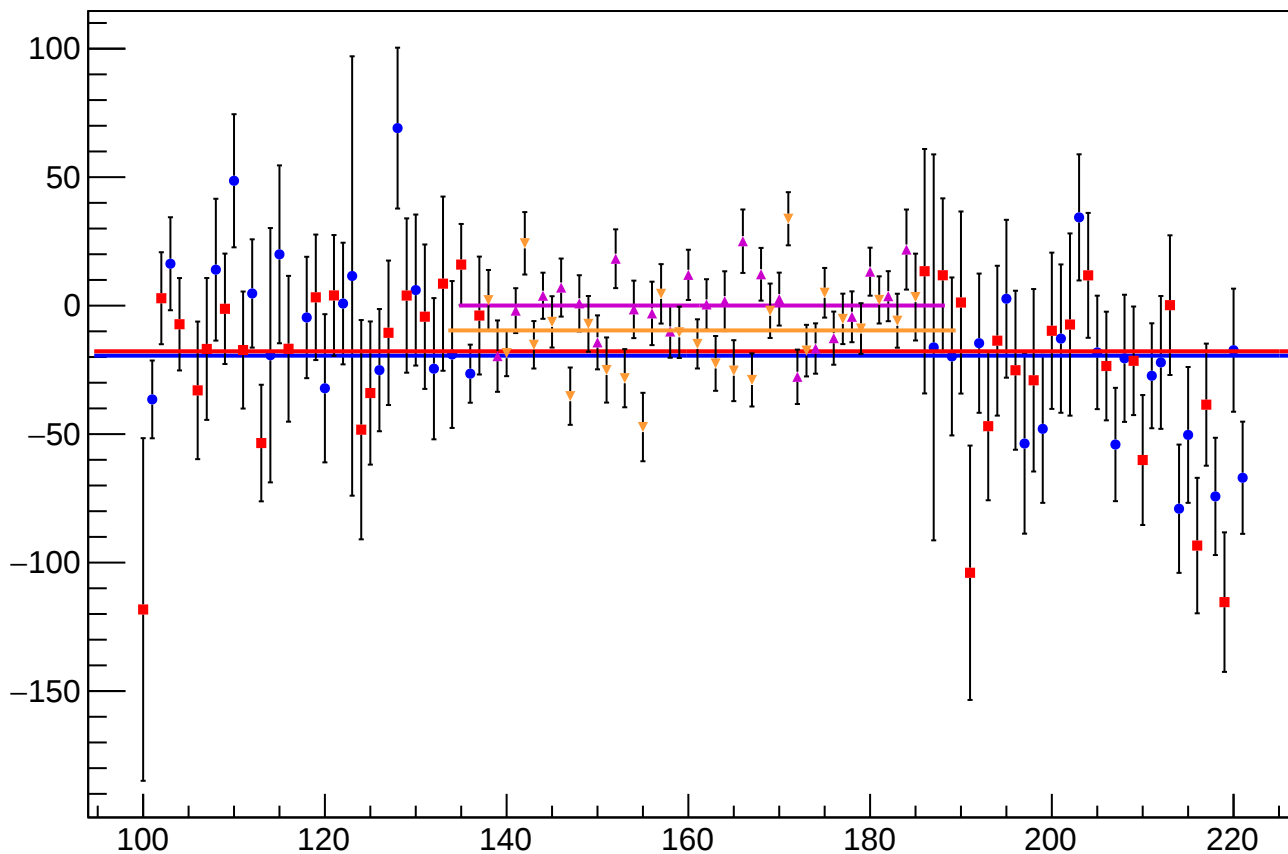
Left In: 6637.155+/-1.136 χ^2/NDF : 415547.5/22

+ sign 6259.247+/-0.728 χ^2/NDF : 2242131.0/59

All: 6244.820+/-0.520 χ^2/NDF : 5137604.8/11

- sign 6229.808+/-0.743 χ^2/NDF : 2894673.4/59

diff_bpm4acX_mean vs Slug



Right In: -19.467 ± 4.085 χ^2/NDF : 54.4/34

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

Right Out: -17.763 ± 4.277 χ^2/NDF : 48.9/36

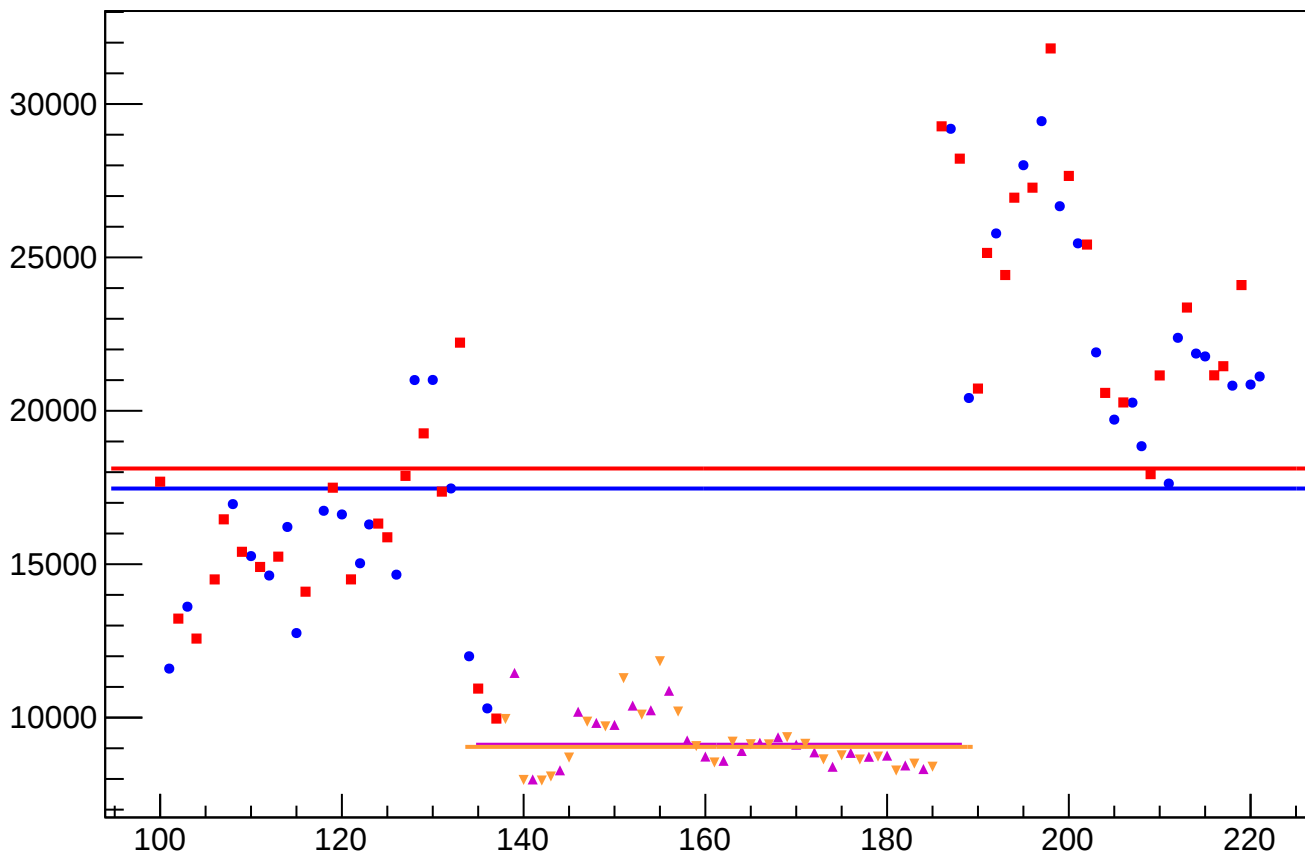
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -11.728 ± 1.883 χ^2/NDF : 118.8/59

All: -7.860 ± 1.357 χ^2/NDF : 221.0/119

- sign -3.684 ± 1.956 χ^2/NDF : 93.4/59

diff_bpm4acX_rms vs Slug



Right In: 17466.865 $\pm$ 2.888 χ^2 /NDF: 2999393.9/34

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

Right Out: 18119.570 $\pm$ 3.024 χ^2 /NDF: 3019779.8/36

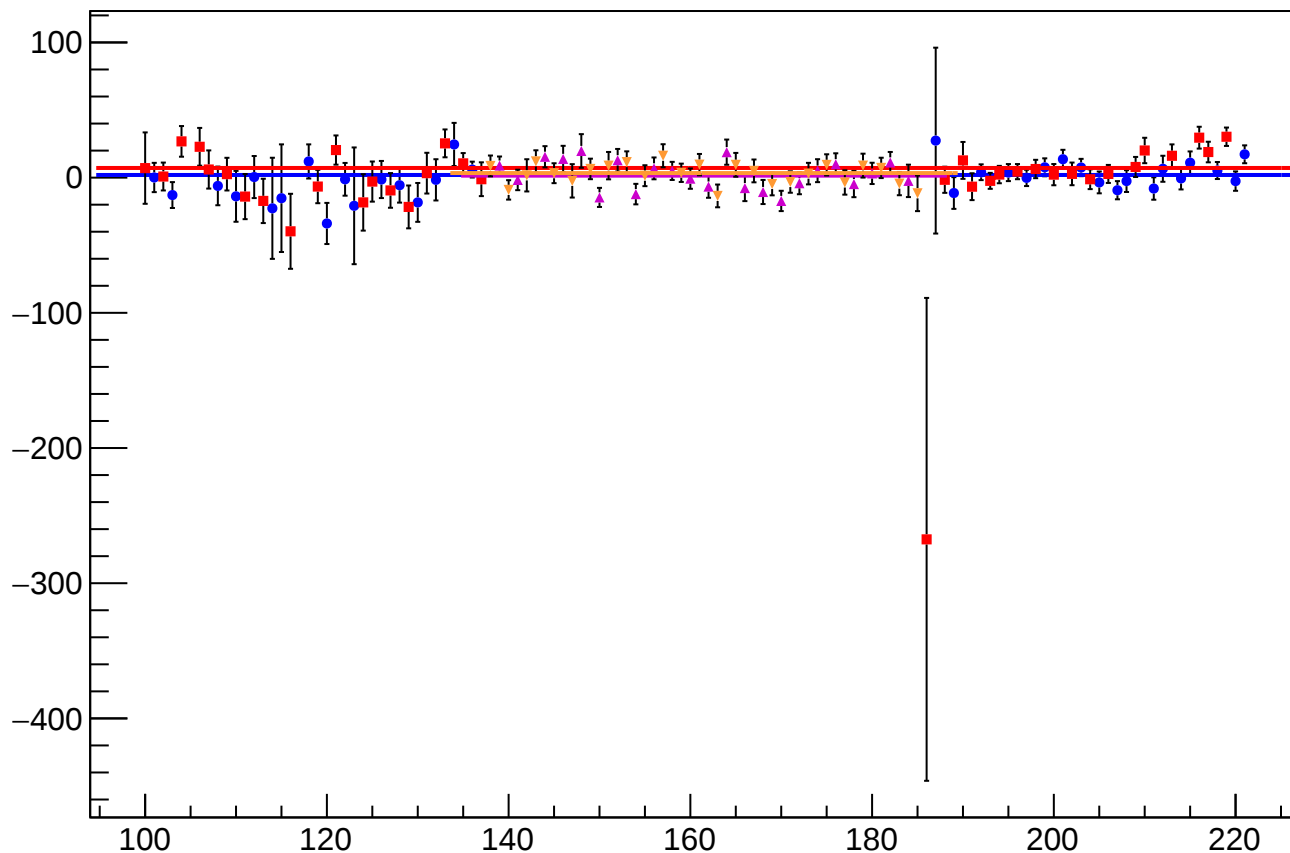
Left In: 9115.817 $\pm$ 1.556 χ^2 /NDF:272471.8/22

+ sign 10835.106 $\pm$ 1.331 χ^2 /NDF: 10021766.7/59

All: 10914.471 $\pm$ 0.959 χ^2 /NDF: 20331297.5

- sign 11000.156 $\pm$ 1.383 χ^2 /NDF: 10302141.0/59

diff_bpm4acY_mean vs Slug



Right In: 1.969 ± 1.513 χ^2/NDF : 34.2/34

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

Right Out: 7.155 ± 1.551 χ^2/NDF : 60.8/36

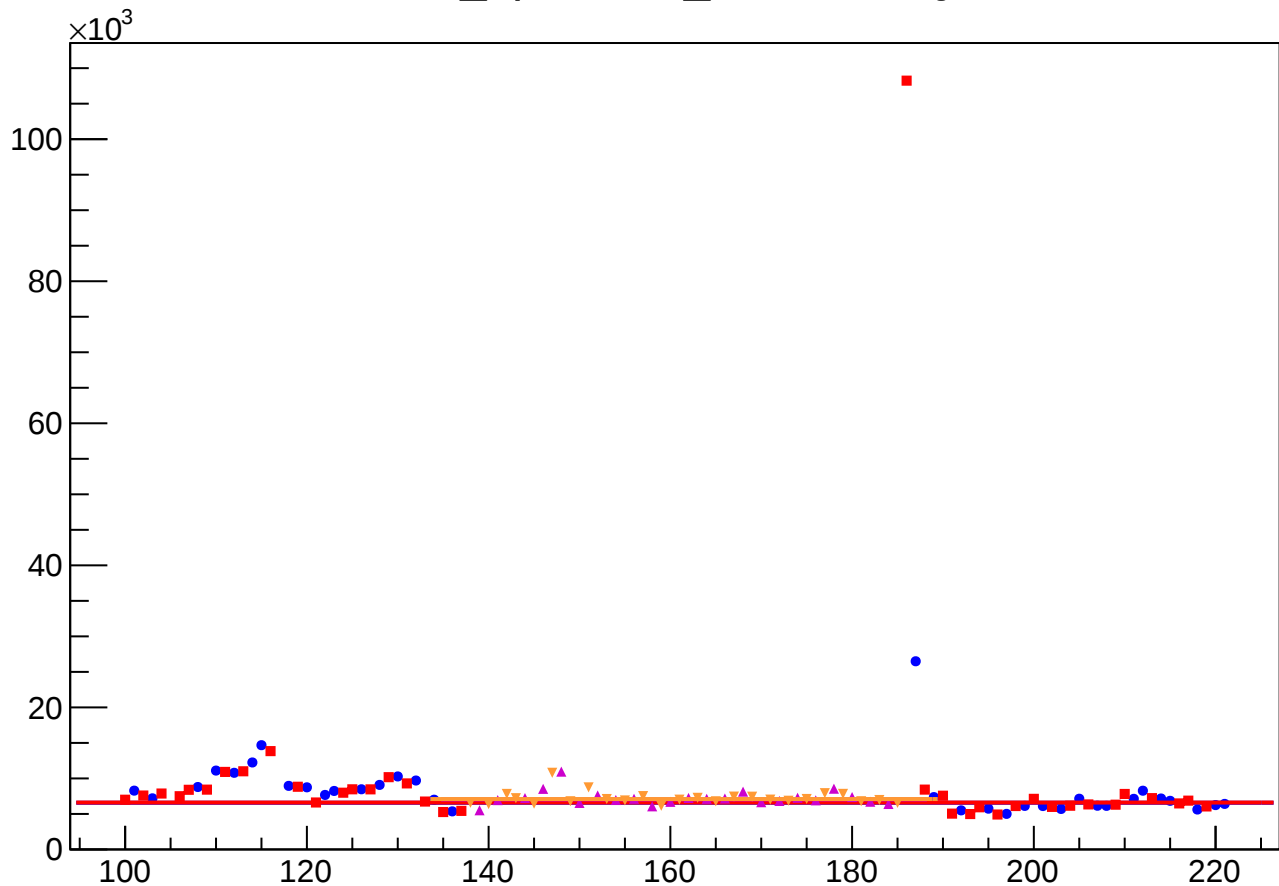
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

+ sign 2.609 ± 1.121 χ^2/NDF : 54.0/59

All: 3.577 ± 0.802 χ^2/NDF : 159.1/119

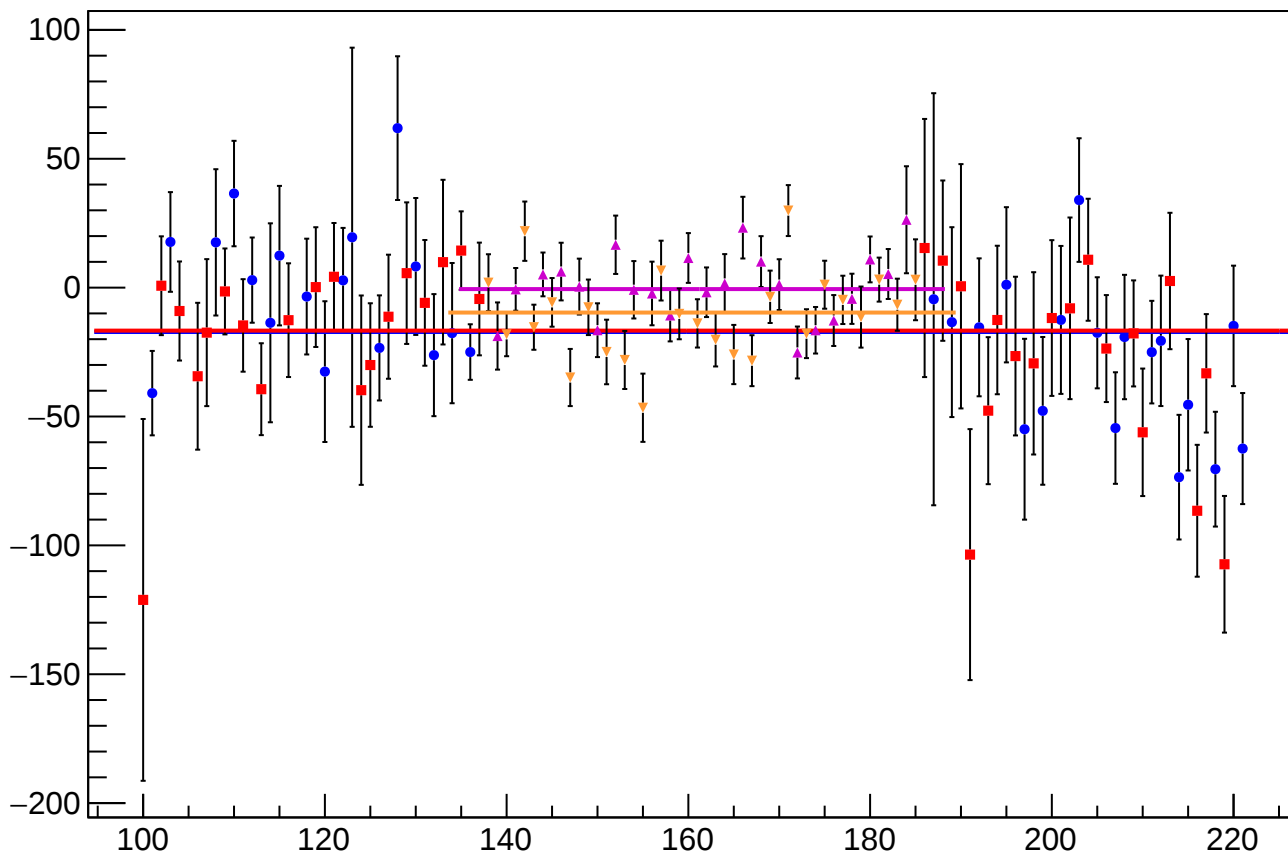
- sign 4.594 ± 1.149 χ^2/NDF : 103.6/59

diff_bpm4acY_rms vs Slug



Right In: 6572.135 $\pm$ 1.070	χ^2/NDF : 1675674.4/34	+ sign 6808.862 $\pm$ 0.793	χ^2/NDF : 2165972.2/59
Left Out: 7096.350 $\pm$ 1.179	χ^2/NDF : 381942.1/24	All: 6806.494 $\pm$ 0.567	χ^2/NDF : 4928288.3/11
Right Out: 6603.997 $\pm$ 1.097	χ^2/NDF : 2171130.2/36	- sign 6804.007 $\pm$ 0.812	χ^2/NDF : 2762297.7/59
Left In: 7047.269 $\pm$ 1.209	χ^2/NDF : 517433.5/22		

diff_bpm4ecX_mean vs Slug



Right In: -17.217 ± 3.886 χ^2/NDF : 55.3/34

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

Right Out: -16.677 ± 4.029 χ^2/NDF : 44.6/36

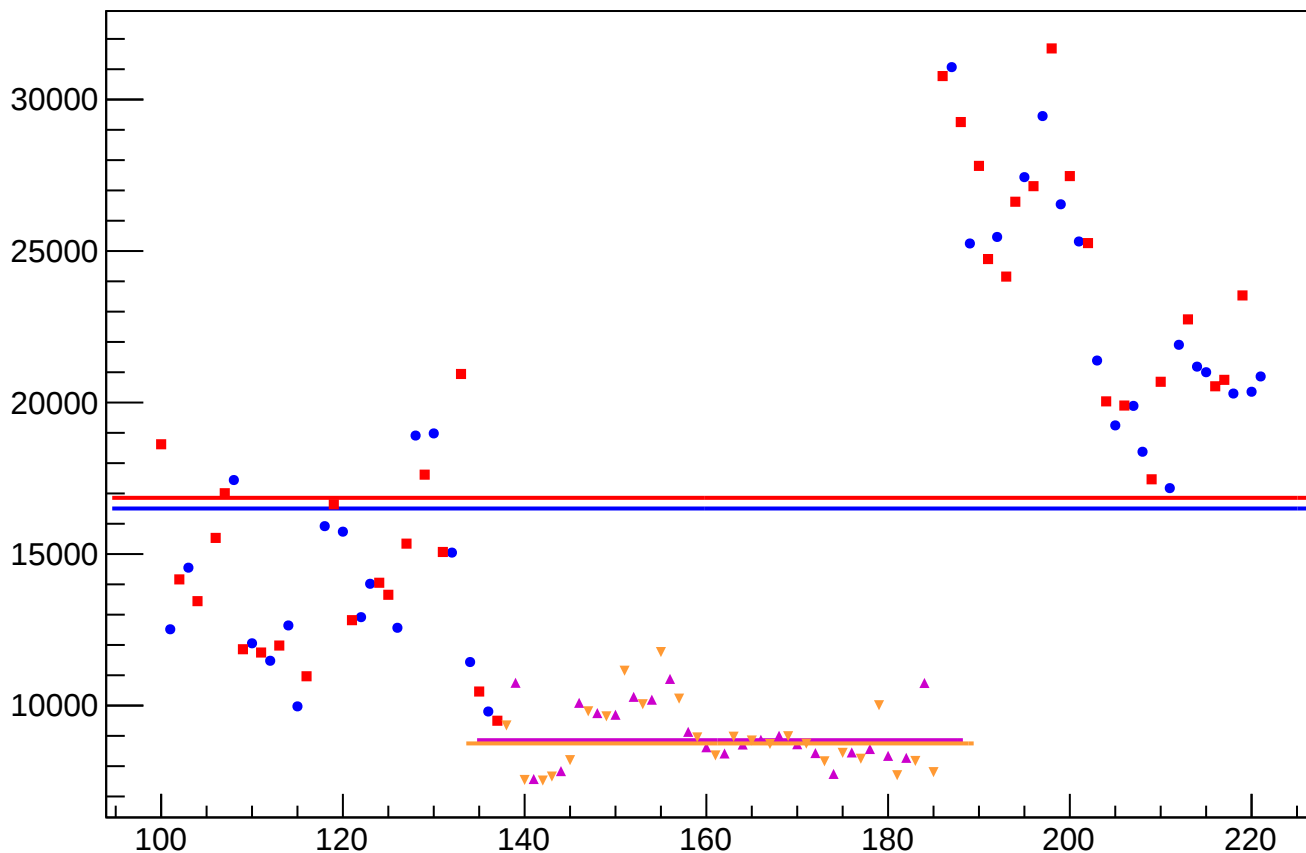
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -11.327 ± 1.821 χ^2/NDF : 116.1/59

All: -7.863 ± 1.312 χ^2/NDF : 210.5/119

- sign -4.119 ± 1.892 χ^2/NDF : 86.8/59

diff_bpm4ecX_rms vs Slug



Right In: 16503.377 ± 2.748 χ^2/NDF : 3555715.7/34

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

Right Out: 16855.652 ± 2.849 χ^2/NDF : 3878071.4/36

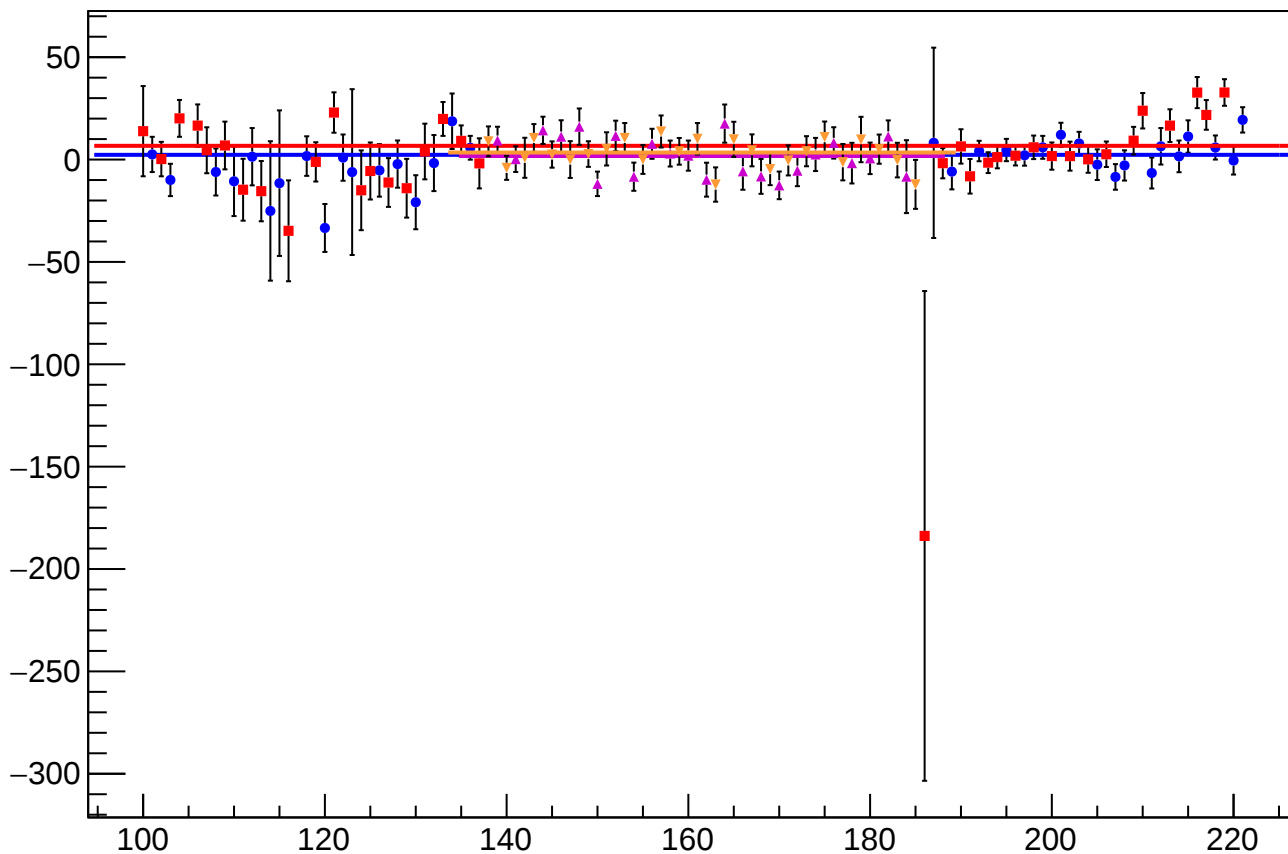
Left In: 8857.329 ± 1.516 χ^2/NDF : 361778.8/22

+ sign 10452.041 ± 1.287 χ^2/NDF : 10233441.9/59

All: 10533.850 ± 0.928 χ^2/NDF : 20625519.6

- sign 10622.251 ± 1.338 χ^2/NDF : 10383674.7/59

diff_bpm4ecY_mean vs Slug



Right In: 2.307 $\pm$ 1.345 χ^2/NDF : 39.5/34

Left Out: 3.433 $\pm$ 1.526 χ^2/NDF : 16.2/24

Right Out: 6.709 $\pm$ 1.355 χ^2/NDF : 75.8/36

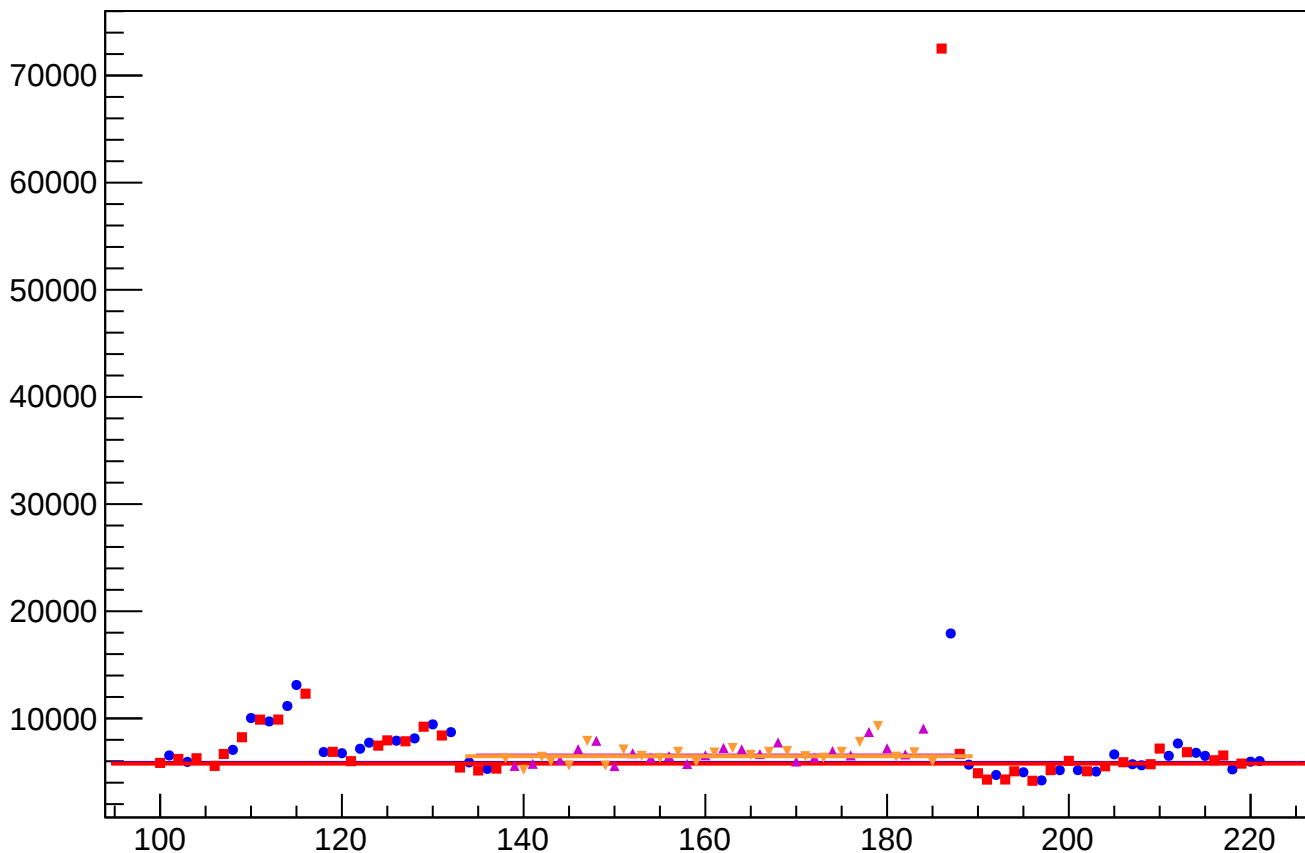
Left In: 1.734 $\pm$ 1.586 χ^2/NDF : 33.6/22

+ sign 2.799 $\pm$ 1.009 χ^2/NDF : 56.0/59

All: 3.685 $\pm$ 0.721 χ^2/NDF : 172.6/119

- sign 4.609 $\pm$ 1.030 χ^2/NDF : 115.1/59

diff_bpm4ecY_rms vs Slug



Right In: 5844.859+/-0.951 χ^2/NDF : 1675970.2/34

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

Right Out: 5780.041+/-0.958 χ^2/NDF : 2250842.2/36

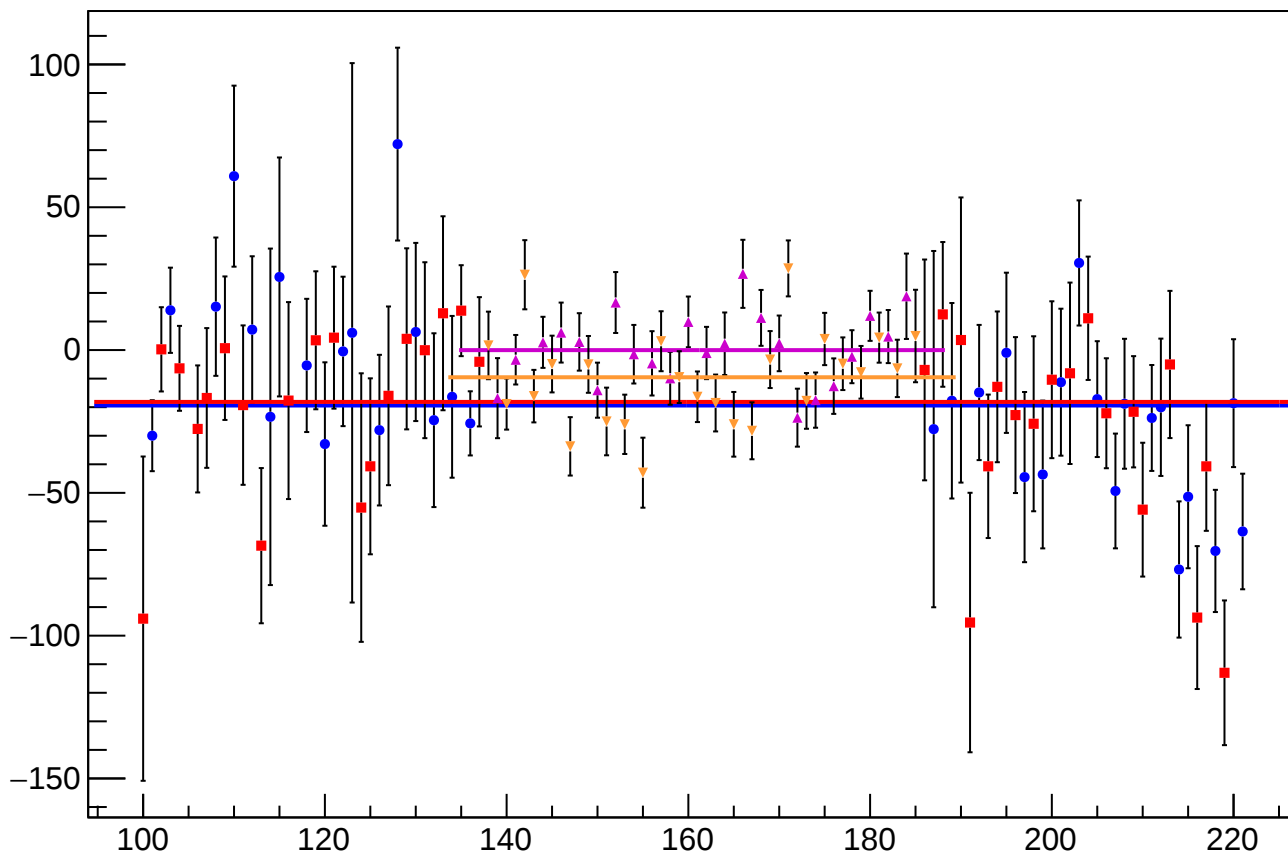
Left In: 6530.954+/-1.121 χ^2/NDF : 464668.6/22

+ sign 6117.813+/-0.713 χ^2/NDF : 2351389.9/59

All: 6107.637+/-0.510 χ^2/NDF : 5326449.1/11

- sign 6097.026+/-0.729 χ^2/NDF : 2974643.7/59

diff_bpm1X_mean vs Slug



Right In: -19.414 ± 3.889 $\chi^2/\text{NDF}: 53.6/34$

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

Right Out: -18.156 ± 4.095 $\chi^2/\text{NDF}: 51.6/36$

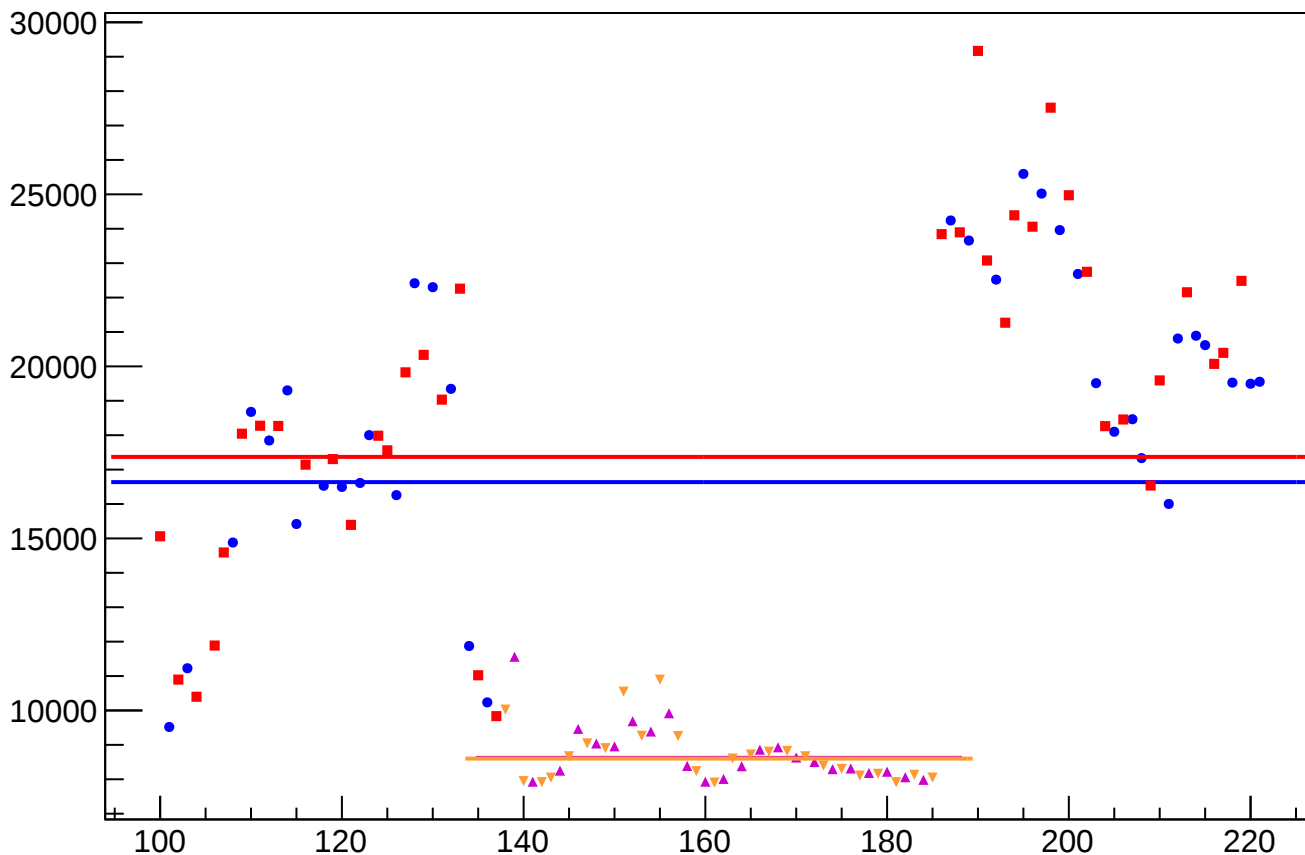
Left In: -0.027 ± 2.080 $\chi^2/\text{NDF}: 29.9/22$

+ sign -11.621 ± 1.789 $\chi^2/\text{NDF}: 118.2/59$

All: -7.824 ± 1.288 $\chi^2/\text{NDF}: 224.7/119$

- sign -3.745 ± 1.854 $\chi^2/\text{NDF}: 97.1/59$

diff_bpm1X_rms vs Slug



Right In: 16636.522 $\pm$ 2.750 χ^2 /NDF: 3017650.3/34

Left Out: 8601.926 $\pm$ 1.425 χ^2 /NDF:248903.5/24

Right Out: 17369.350 $\pm$ 2.895 χ^2 /NDF: 2924609.5/36

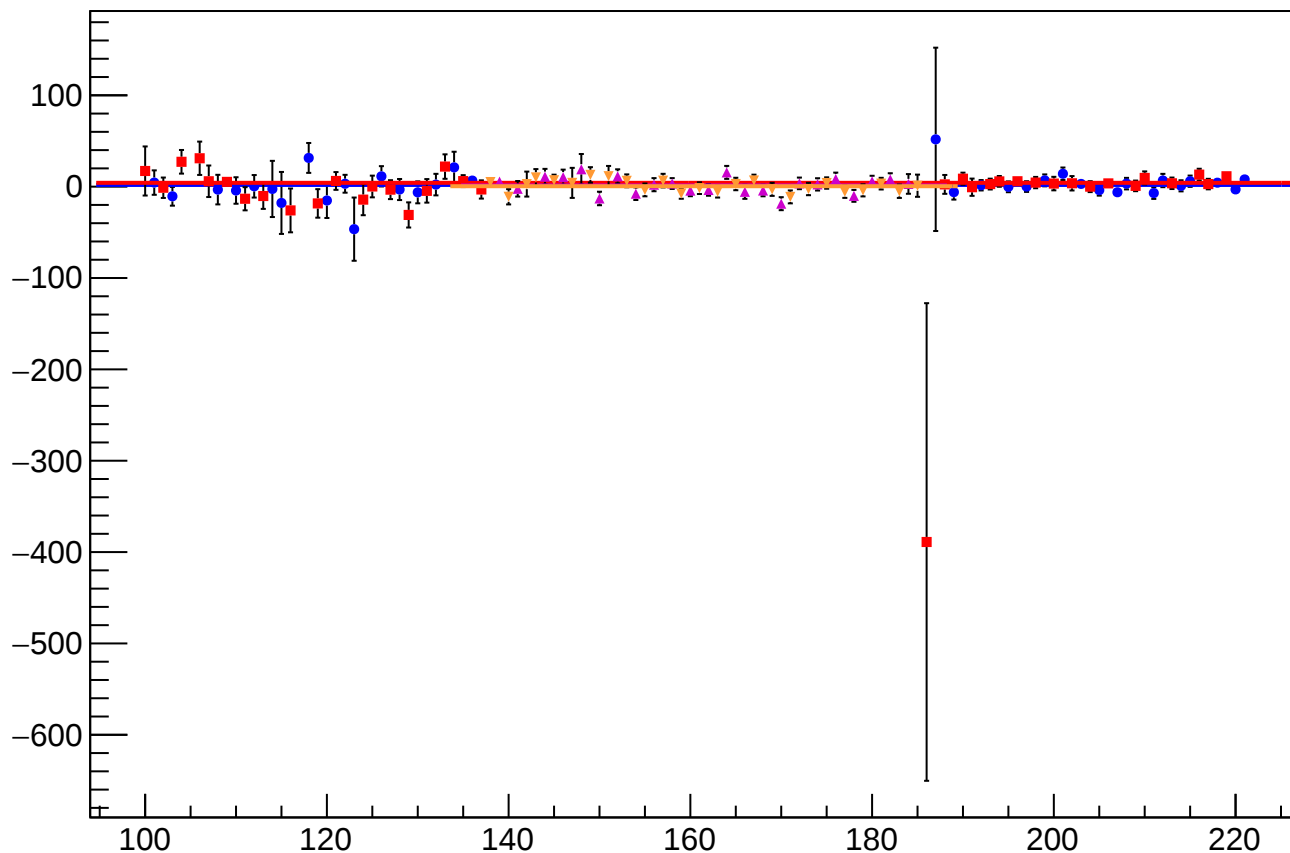
Left In: 8621.975 $\pm$ 1.471 χ^2 /NDF:230824.4/22

+ sign 10302.584 $\pm$ 1.265 χ^2 /NDF: 9995714.1/59

All: 10357.294 $\pm$ 0.910 χ^2 /NDF: 20410805.4

- sign 10416.055 $\pm$ 1.311 χ^2 /NDF: 10411213.2/59

diff_bpm1Y_mean vs Slug



Right In: 1.872 ± 1.285 χ^2/NDF : 25.7/34

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

Right Out: 4.195 ± 1.292 χ^2/NDF : 32.4/36

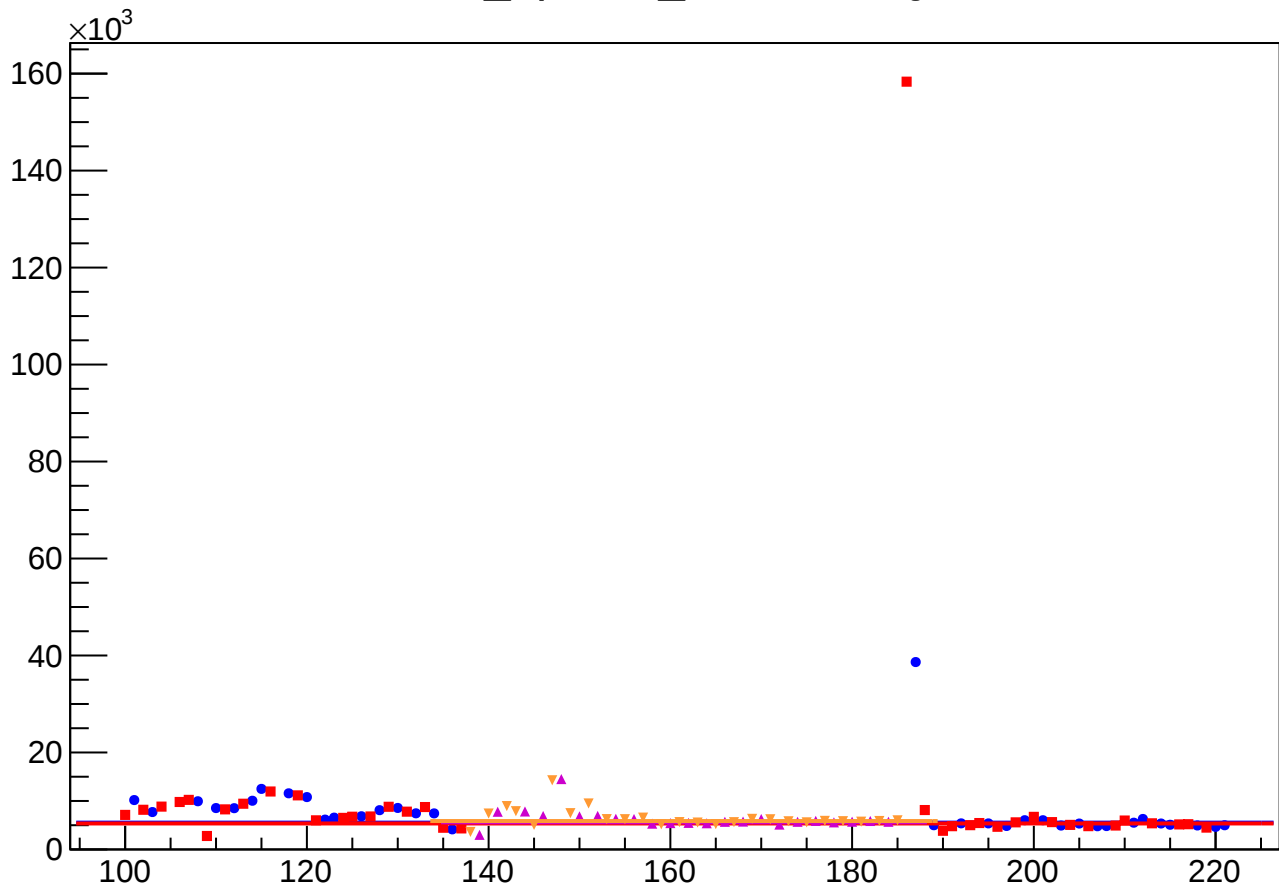
Left In: 1.298 ± 1.406 χ^2/NDF : 33.0/22

+ sign 1.245 ± 0.953 χ^2/NDF : 45.7/59

All: 2.058 ± 0.673 χ^2/NDF : 114.9/119

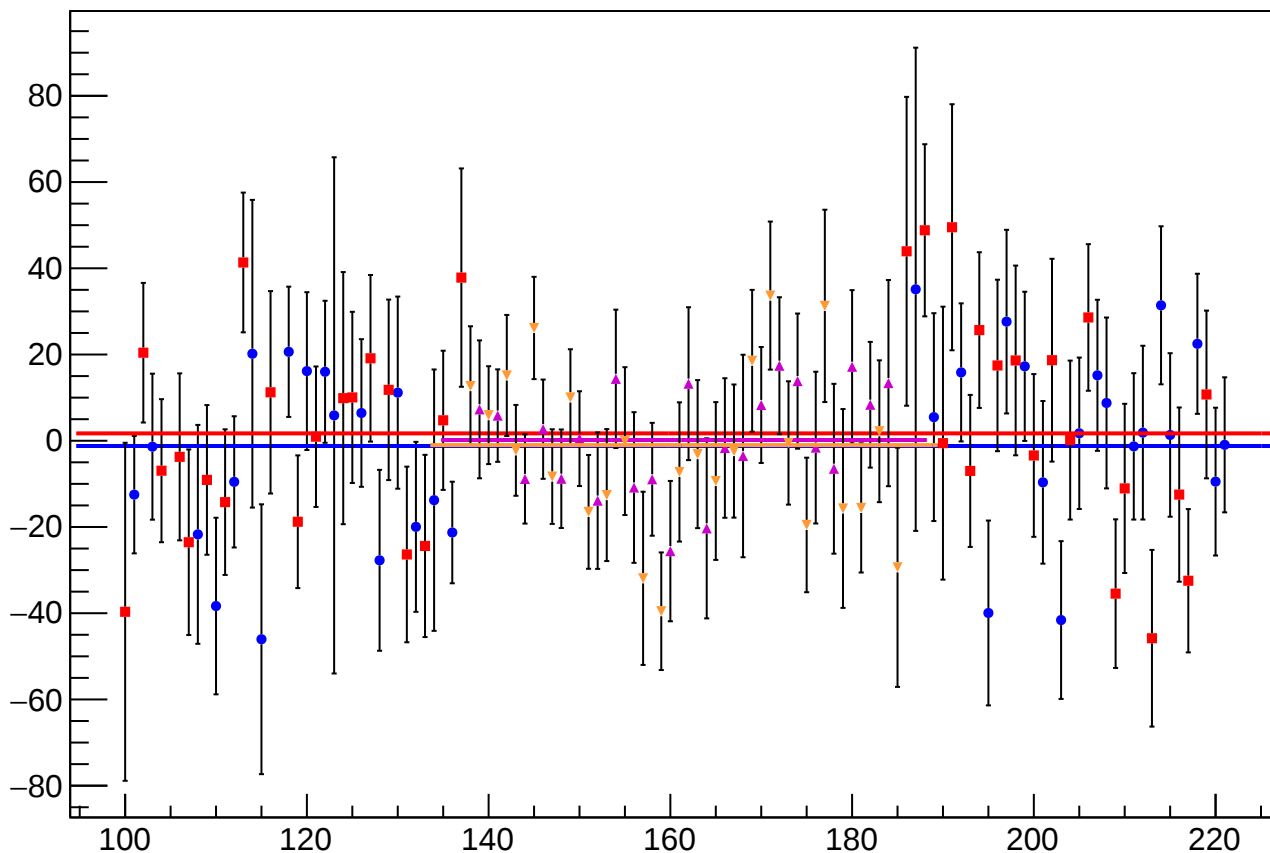
- sign 2.869 ± 0.952 χ^2/NDF : 67.7/59

diff_bpm1Y_rms vs Slug



Right In: 5533.543 $\pm$ 0.909 χ^2/NDF : 2270536.8/34 + sign 5680.047 $\pm$ 0.674 χ^2/NDF : 4019531.8/59
 Left Out: 5858.642 $\pm$ 1.004 χ^2/NDF : 1691344.1/24 All: 5573.871 $\pm$ 0.476 χ^2/NDF : 9716682.8/11
 Right Out: 5359.080 $\pm$ 0.914 χ^2/NDF : 3526777.9/36 - sign 5467.961 $\pm$ 0.673 χ^2/NDF : 5647533.9/59
 Left In: 5596.879 $\pm$ 0.994 χ^2/NDF : 2089750.1/22

diff_bpm11X_mean vs Slug



Right In: -1.215 ± 3.157 χ^2/NDF : 37.2/34

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

Right Out: 1.709 ± 3.218 χ^2/NDF : 51.7/36

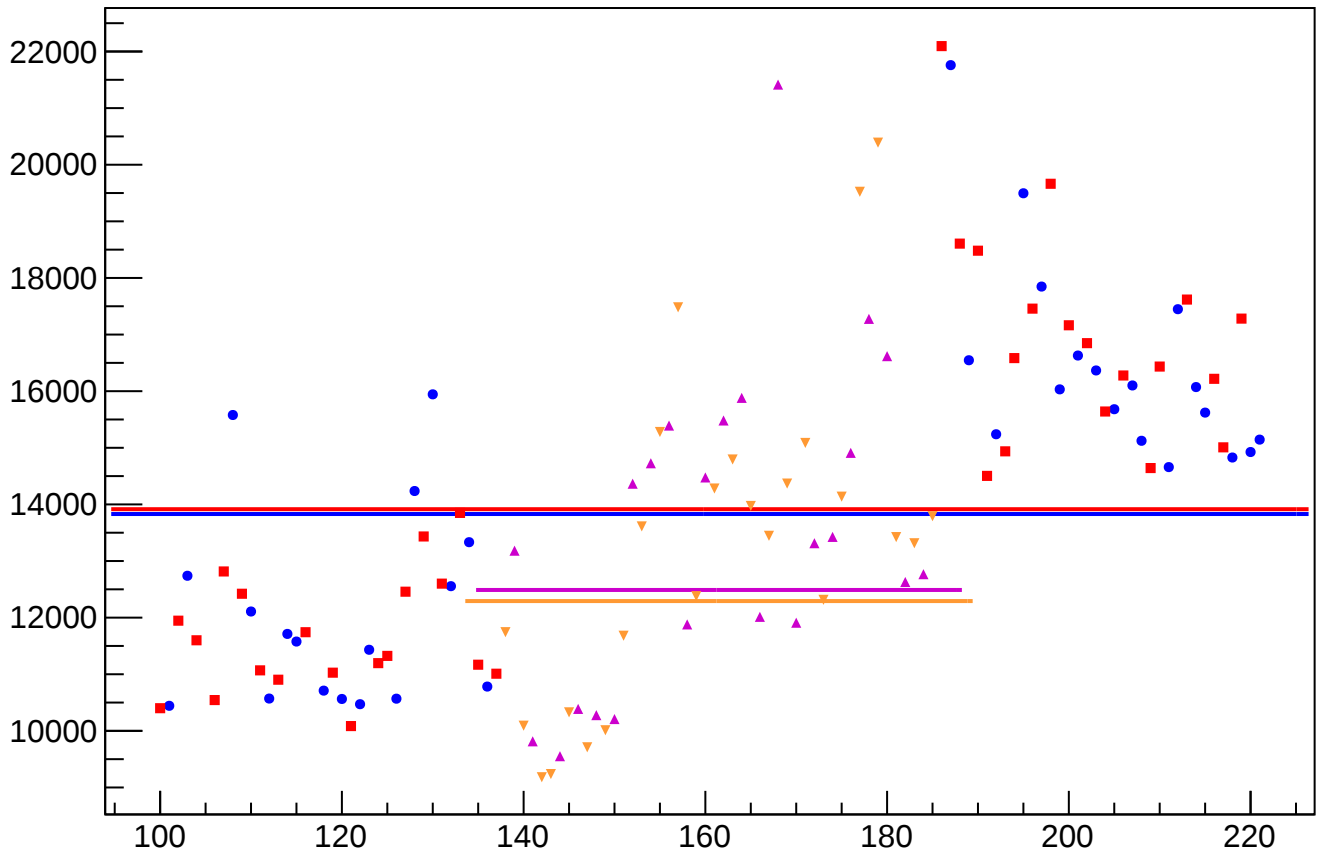
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -1.104 ± 2.152 χ^2/NDF : 70.7/59

All: -0.131 ± 1.545 χ^2/NDF : 135.2/119

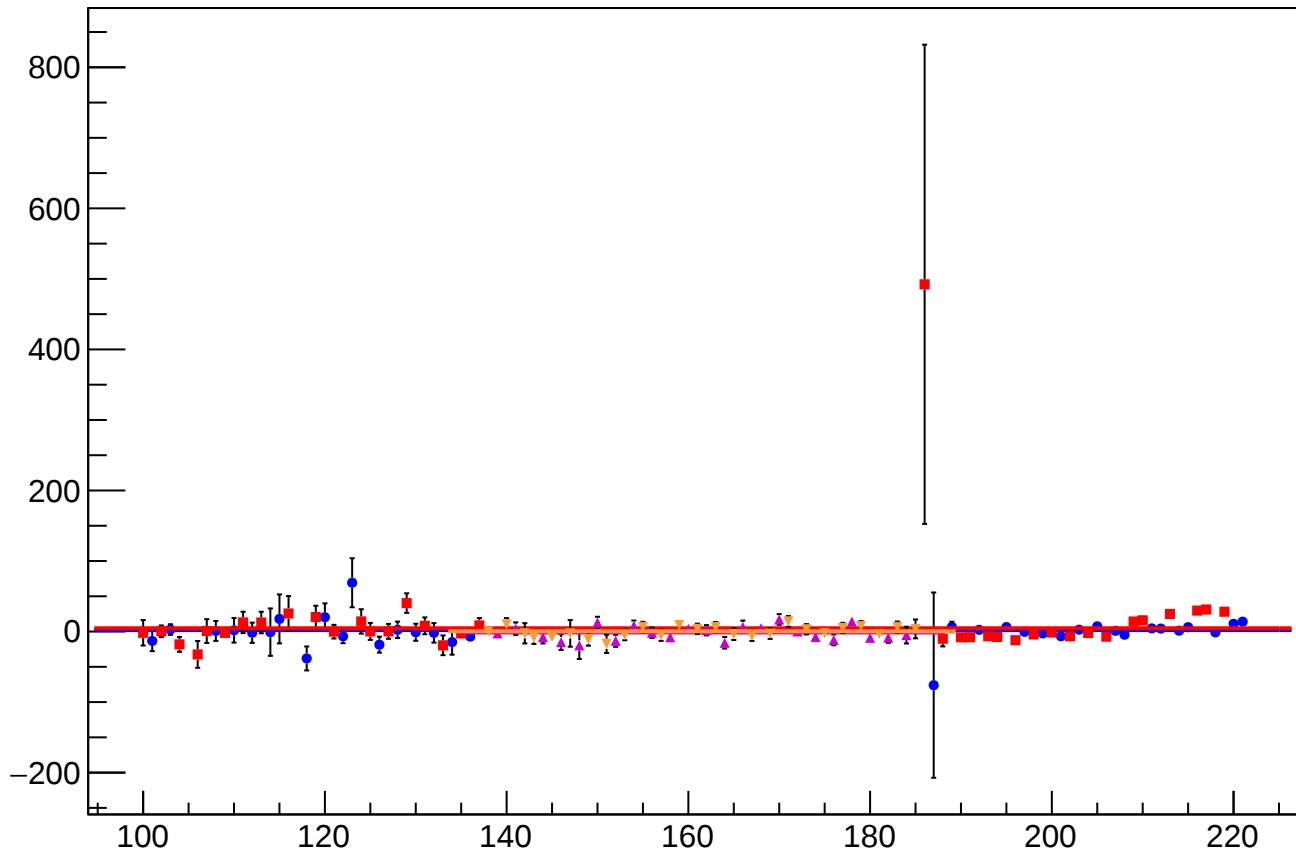
- sign 0.904 ± 2.220 χ^2/NDF : 64.1/59

diff_bpm11X_rms vs Slug



Right In: 13830.184+/-2.233	χ^2/NDF : 1352305.4/34	+ sign 13007.036+/-1.522	χ^2/NDF : 3108771.1/59
Left Out: 12292.583+/-2.080	χ^2/NDF : 1502548.3/24	All: 13084.962+/-1.093	χ^2/NDF : 6171010.1/1
Right Out: 13915.429+/-2.276	χ^2/NDF : 1496396.9/36	- sign 13167.893+/-1.570	χ^2/NDF : 3056827.0/59
Left In: 12488.821+/-2.169	χ^2/NDF : 1354485.4/22		

diff_bpm11Y_mean vs Slug



Right In: 2.119 $\pm$ 1.068 χ^2 /NDF: 41.3/34

Left Out: 0.410 $\pm$ 1.435 χ^2 /NDF:19.3/24

Right Out: 4.659 $\pm$ 1.109 χ^2 /NDF: 177.2/36

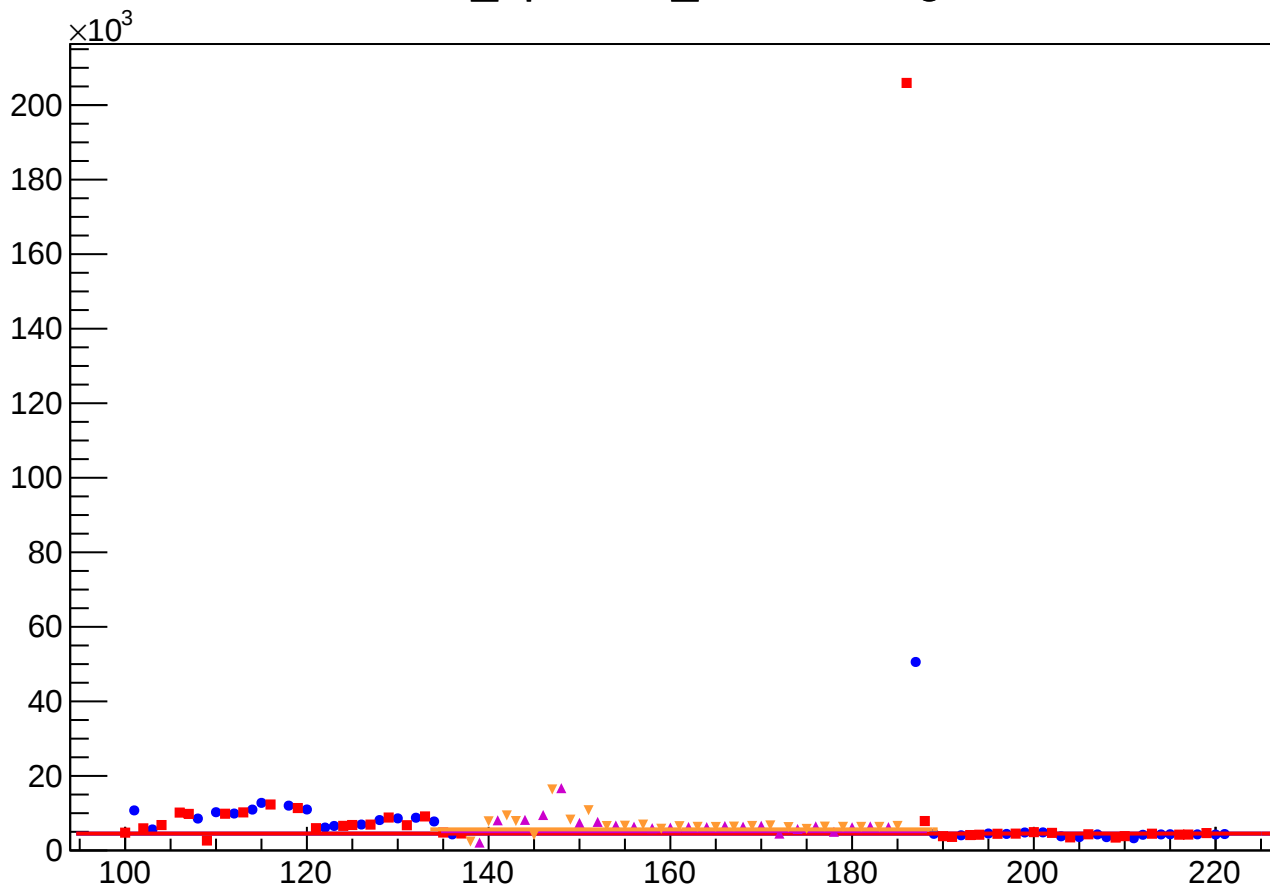
Left In: -1.278 $\pm$ 1.386 χ^2 /NDF:34.0/22

+ sign 1.509 $\pm$ 0.857 χ^2 /NDF: 61.5/59

All: 1.921 $\pm$ 0.609 χ^2 /NDF: 284.4/119

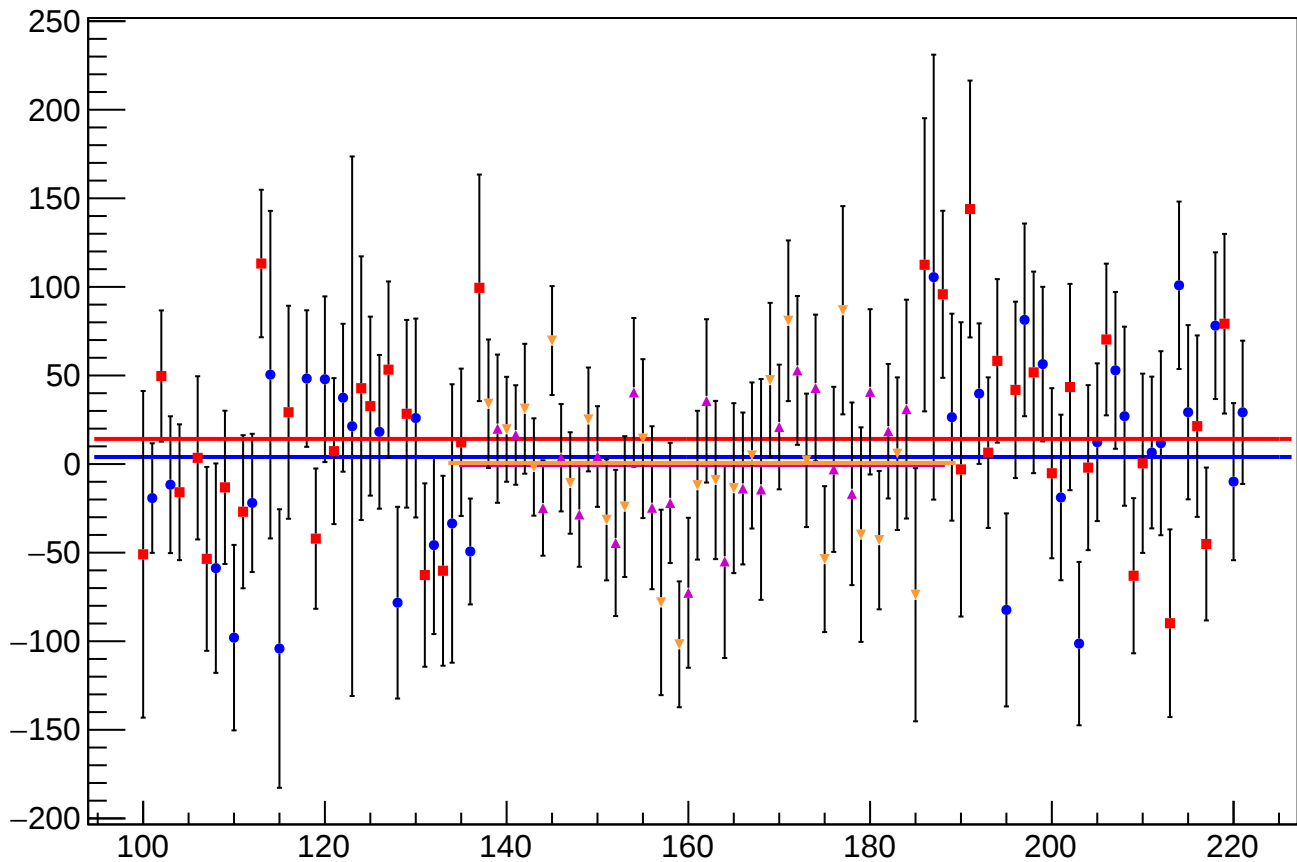
- sign 2.342 $\pm$ 0.866 χ^2 /NDF: 222.4/59

diff_bpm11Y_rms vs Slug



Right In: 4512.709+/-0.756	χ^2/NDF : 3478645.8/34	+ sign 4920.509+/-0.606	χ^2/NDF : 8419271.2/59
Left Out: 5655.639+/-1.014	χ^2/NDF : 4124124.3/24	All: 4853.325+/-0.431	χ^2/NDF : 18030979.9/1
Right Out: 4531.384+/-0.784	χ^2/NDF : 3969008.5/36	- sign 4784.770+/-0.612	χ^2/NDF : 9586870.7/59
Left In: 5180.743+/-0.980	χ^2/NDF : 5350053.6/22		

diff_bpm12X_mean vs Slug



Right In: 3.989 ± 7.923 $\chi^2/\text{NDF}: 40.8/34$

Left Out: 0.580 ± 7.691 $\chi^2/\text{NDF}: 31.0/24$

Right Out: 14.194 ± 8.064 $\chi^2/\text{NDF}: 41.9/36$

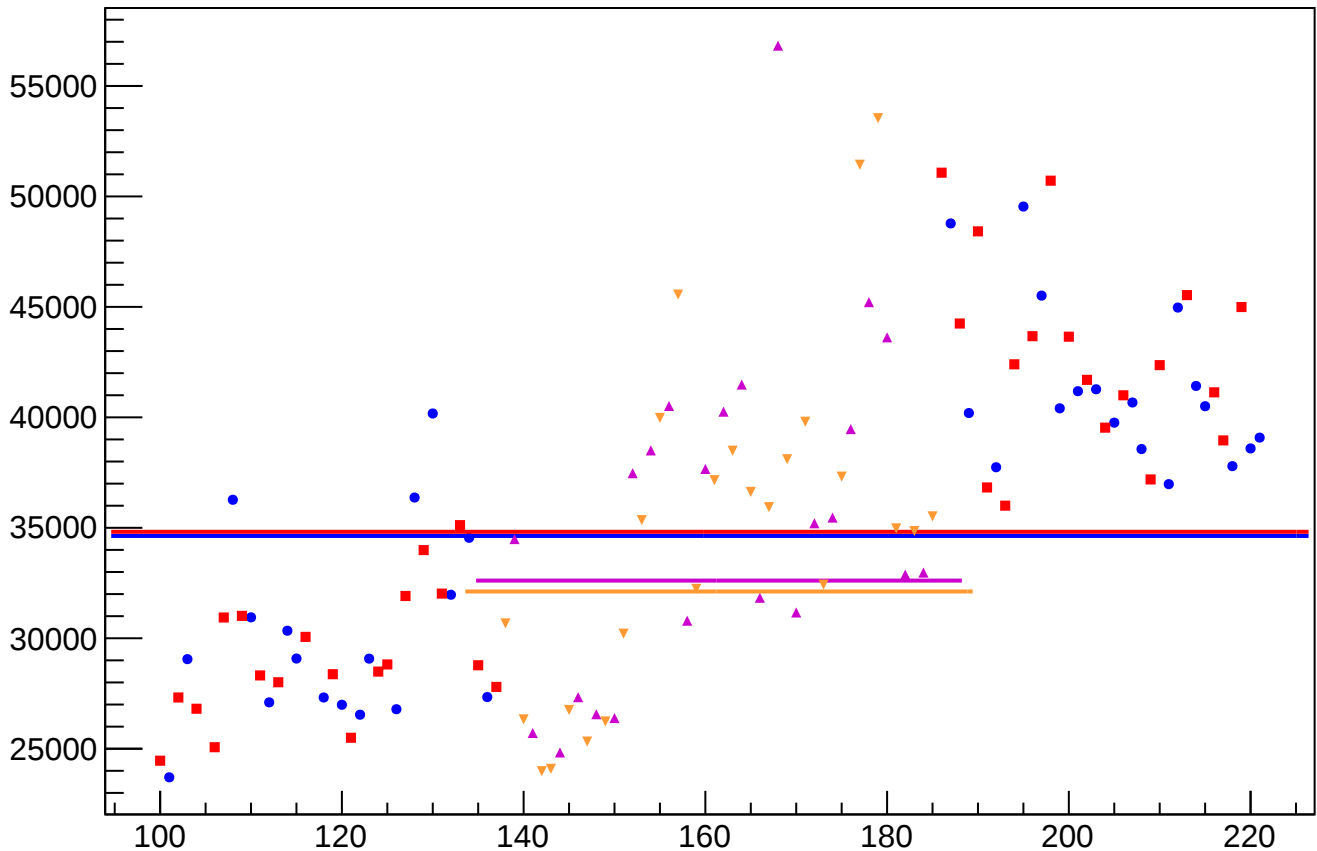
Left In: -0.565 ± 8.015 $\chi^2/\text{NDF}: 14.3/22$

+ sign 2.234 ± 5.519 $\chi^2/\text{NDF}: 71.8/59$

All: 4.434 ± 3.960 $\chi^2/\text{NDF}: 130.1/119$

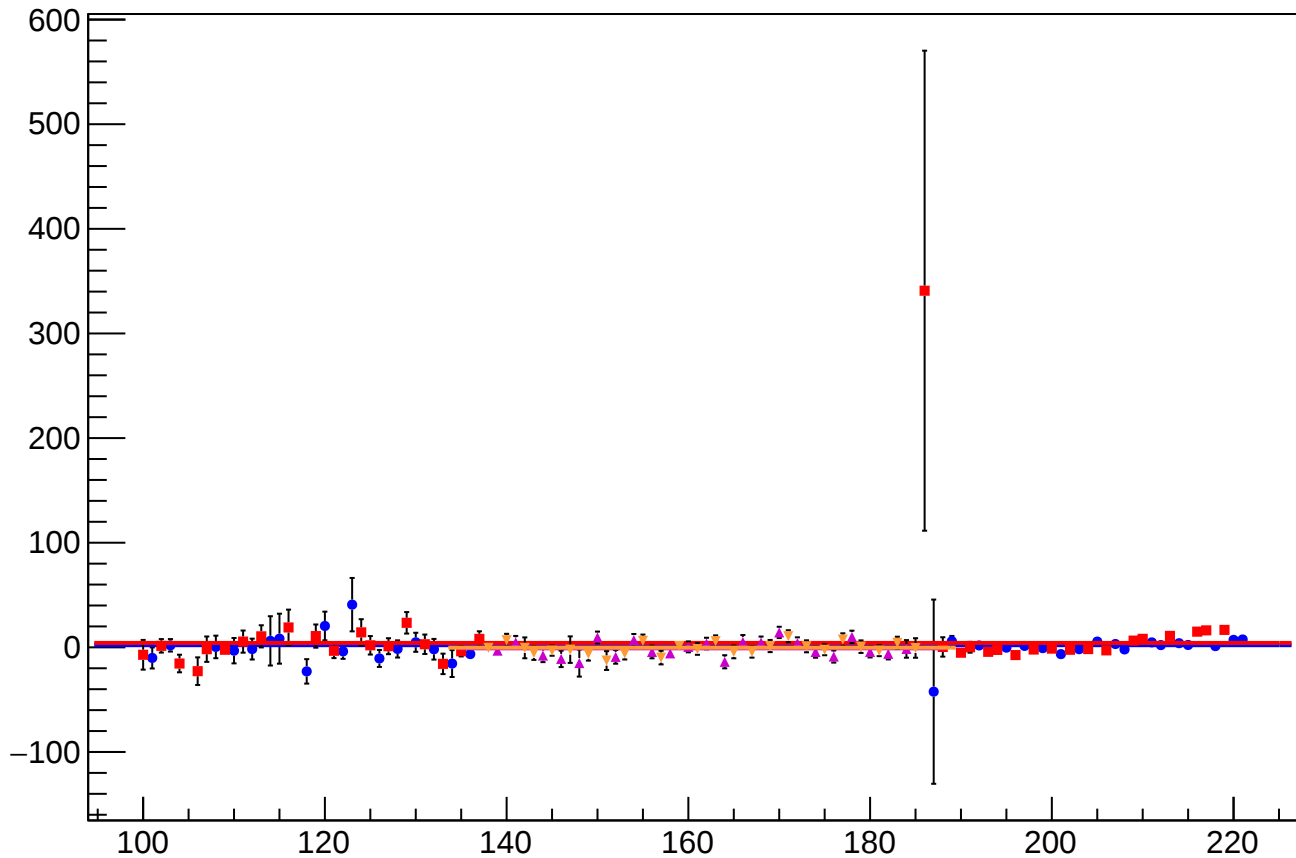
- sign 6.769 ± 5.685 $\chi^2/\text{NDF}: 57.9/59$

diff_bpm12X_rms vs Slug



Right In: 34631.438+/-5.603	χ^2/NDF : 1490795.2/34	+ sign 33336.820+/-3.902	χ^2/NDF : 3131229.0/59
Left Out: 32117.184+/-5.438	χ^2/NDF : 1536740.0/24	All: 33516.911+/-2.800	χ^2/NDF : 6216106.2/1
Right Out: 34819.587+/-5.702	χ^2/NDF : 1606479.9/36	- sign 33708.006+/-4.020	χ^2/NDF : 3080487.2/59
Left In: 32610.108+/-5.667	χ^2/NDF : 1398475.8/22		

diff_bpm12Y_mean vs Slug



Right In: 2.063 ± 0.604 χ^2/NDF : 51.1/34

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

Right Out: 4.223 ± 0.656 χ^2/NDF : 167.8/36

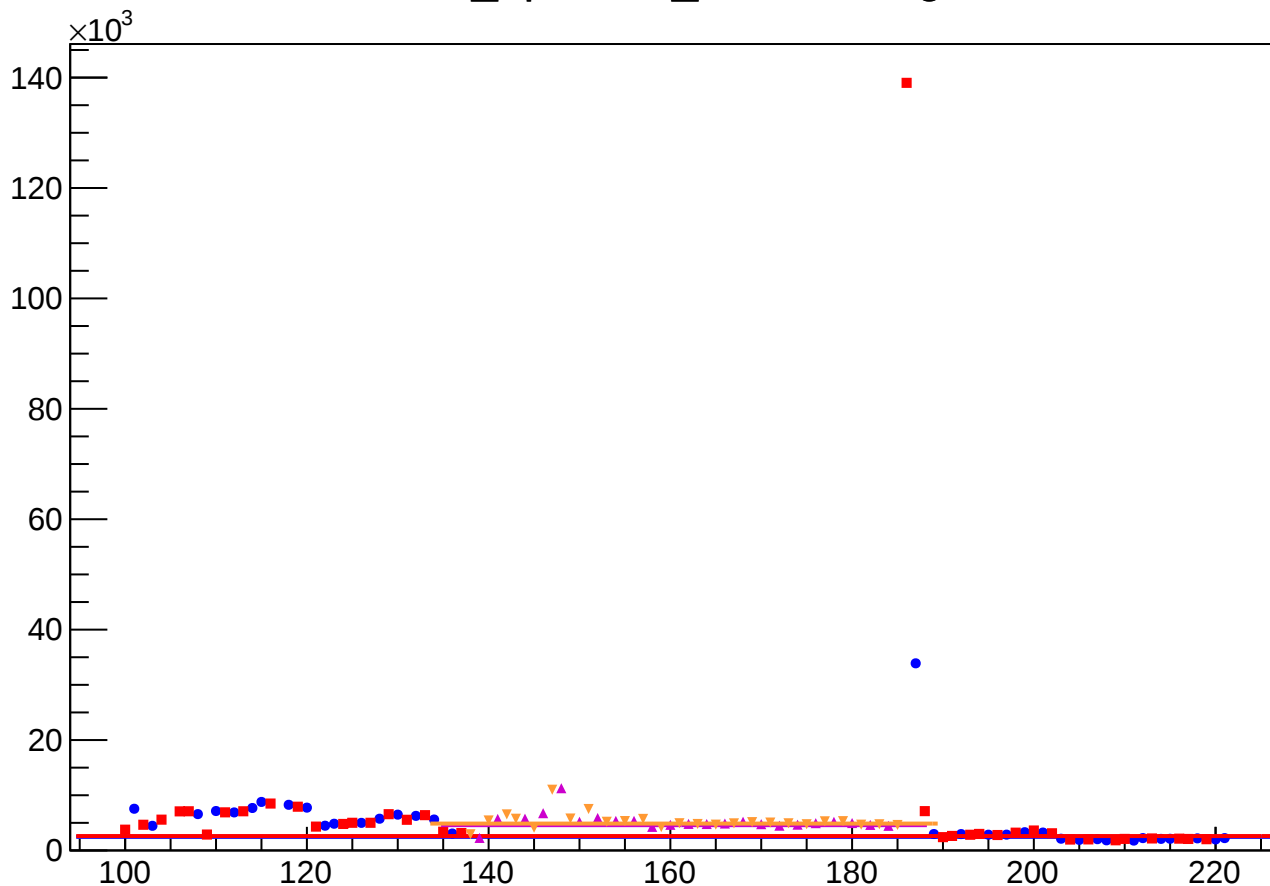
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign 1.577 ± 0.537 χ^2/NDF : 72.2/59

All: 2.229 ± 0.391 χ^2/NDF : 294.3/119

- sign 2.965 ± 0.570 χ^2/NDF : 218.9/59

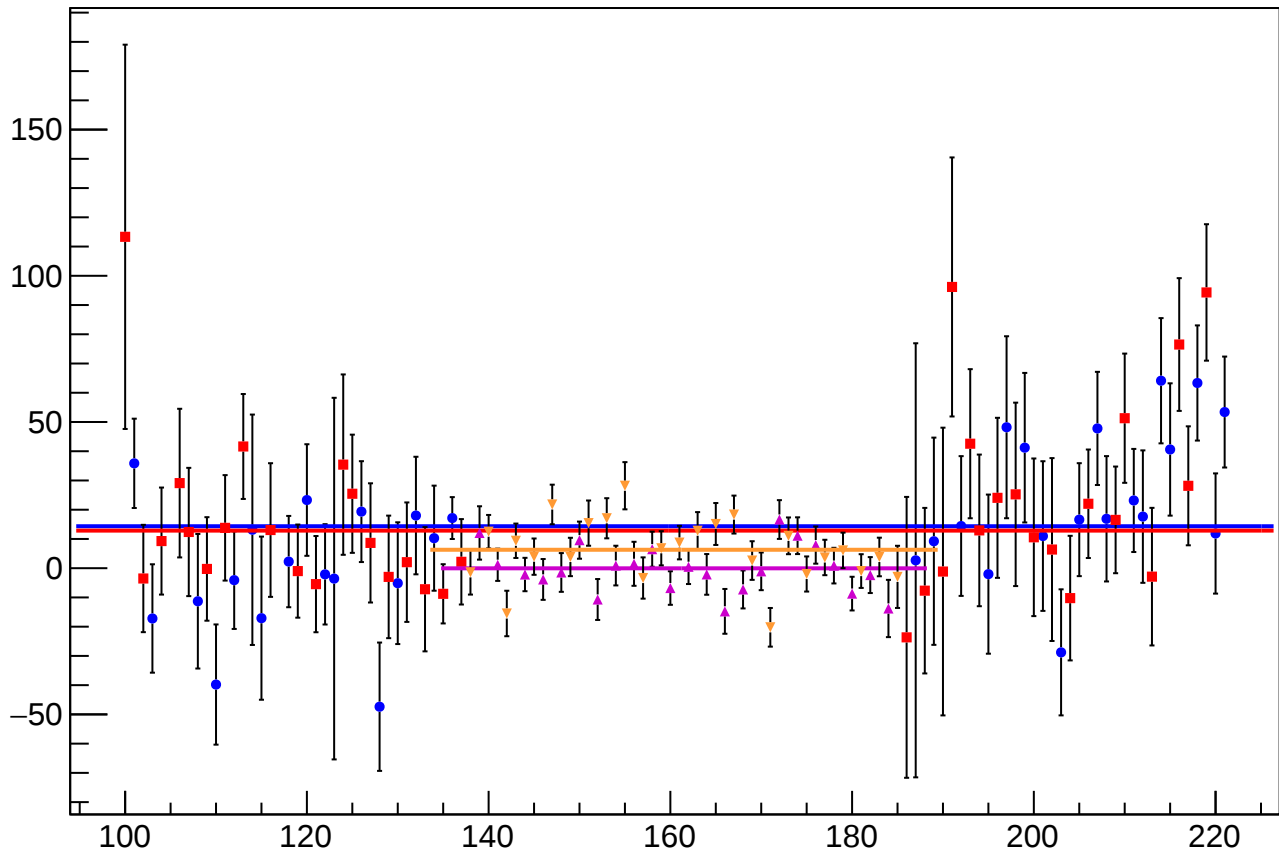
diff_bpm12Y_rms vs Slug



Right In: 2469.468 ± 0.427 χ^2/NDF : 5720031.2/34
 Left Out: 4866.528 ± 0.829 χ^2/NDF : 1511486.2/24
 Right Out: 2607.600 ± 0.464 χ^2/NDF : 6199419.2/36
 Left In: 4582.193 ± 0.816 χ^2/NDF : 2478681.0/22

+ sign 2971.461 ± 0.380 χ^2/NDF : 13835872.7/59
 All: 3027.138 ± 0.276 χ^2/NDF : 26987229.5/100
 - sign 3089.980 ± 0.403 χ^2/NDF : 13105545.2/59

diff_bpm16X_mean vs Slug



Right In: 14.348 ± 3.241 $\chi^2/\text{NDF}: 53.7/34$

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

Right Out: 12.856 ± 3.440 $\chi^2/\text{NDF}: 48.5/36$

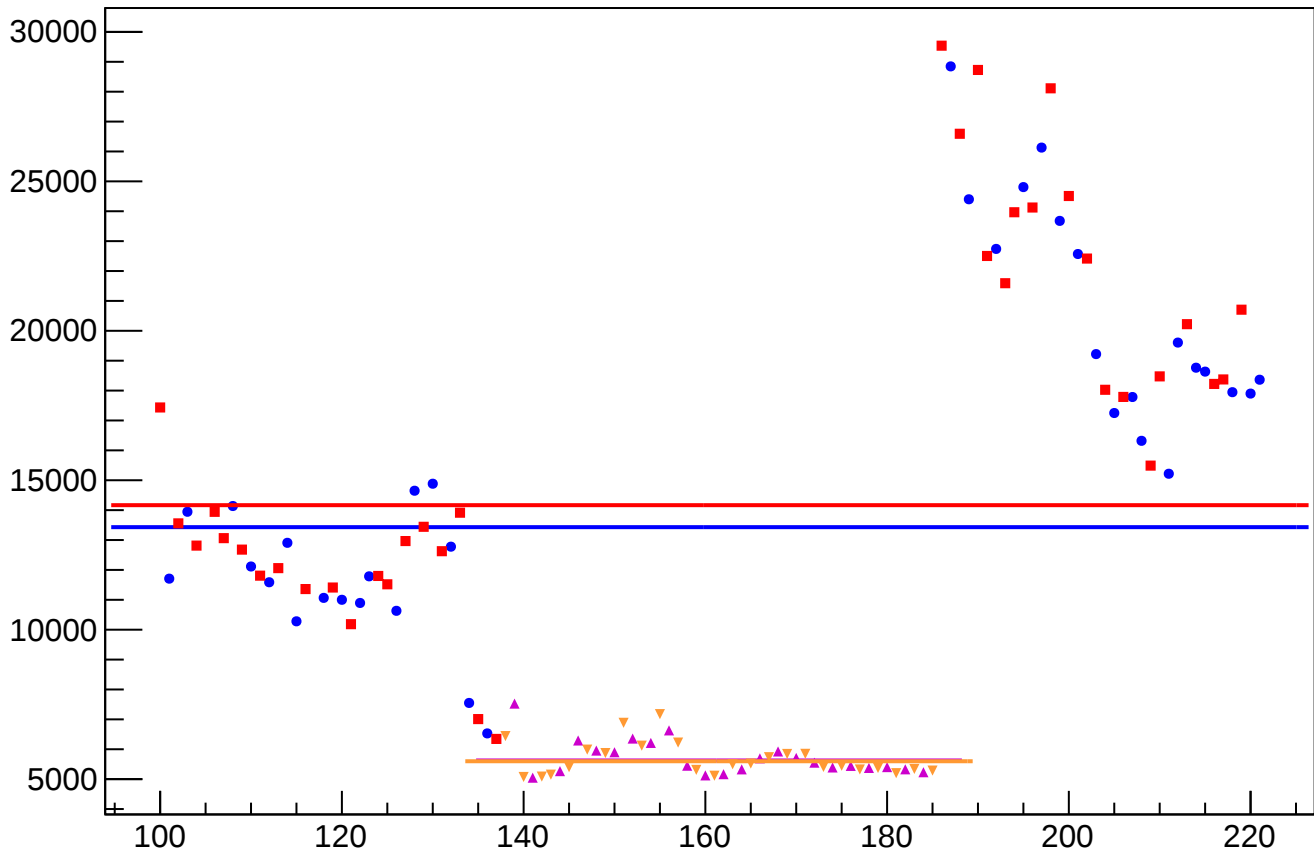
Left In: -0.044 ± 1.358 $\chi^2/\text{NDF}: 30.0/22$

+ sign 7.435 ± 1.217 $\chi^2/\text{NDF}: 115.7/59$

All: 4.672 ± 0.876 $\chi^2/\text{NDF}: 217.1/119$

- sign 1.695 ± 1.263 $\chi^2/\text{NDF}: 90.7/59$

diff_bpm16X_rms vs Slug



Right In: 13430.756+/-2.292 χ^2/NDF : 5288186.8/34

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

Right Out: 14166.133+/-2.432 χ^2/NDF : 4998866.9/36

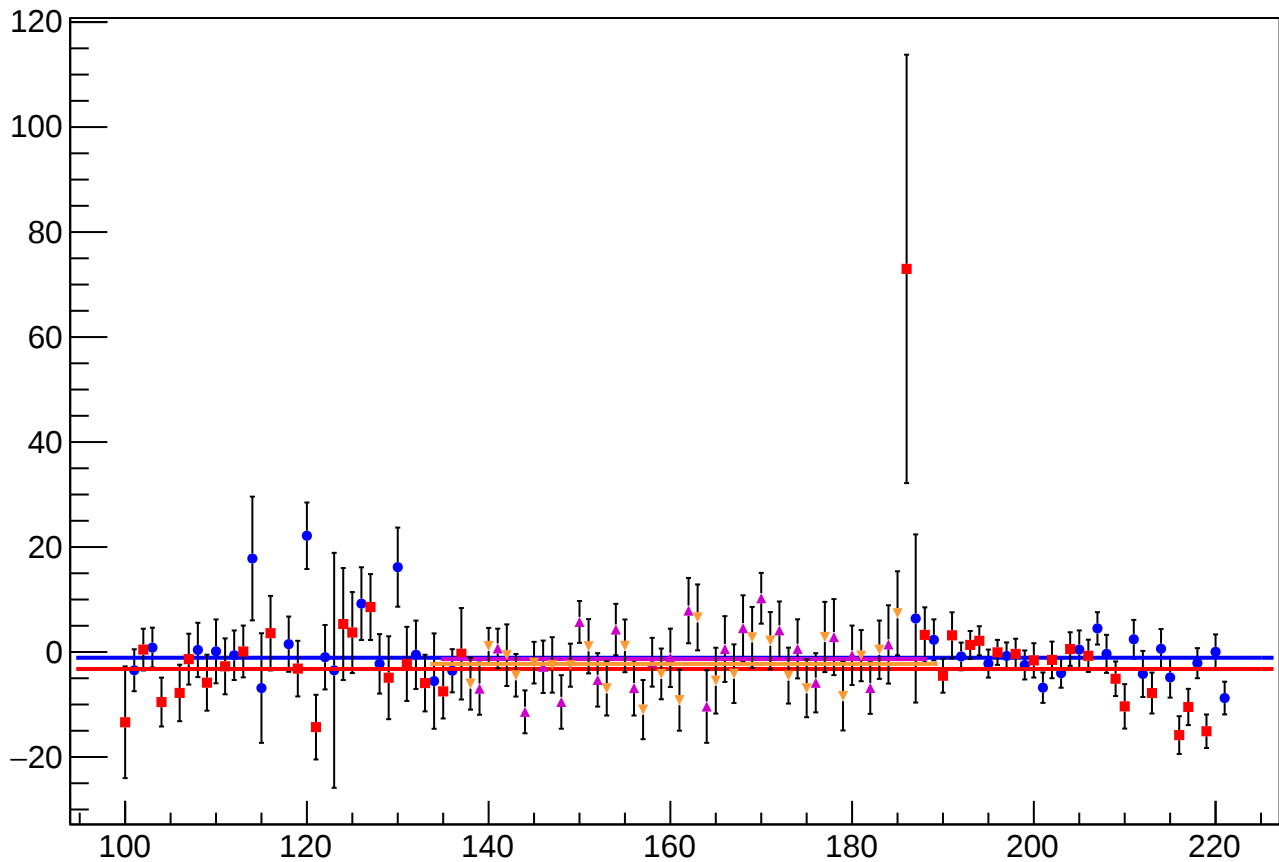
Left In: 5625.163+/-0.960 χ^2/NDF : 272563.5/22

+ sign 6702.086+/-0.860 χ^2/NDF : 15602816.4/59

All: 6737.861+/-0.620 χ^2/NDF : 31545739.8/1

- sign 6776.413+/-0.893 χ^2/NDF : 15939330.3/59

diff_bpm16Y_mean vs Slug



Right In: -1.091 ± 0.669 χ^2/NDF : 44.2/34

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

Right Out: -3.229 ± 0.679 χ^2/NDF : 69.8/36

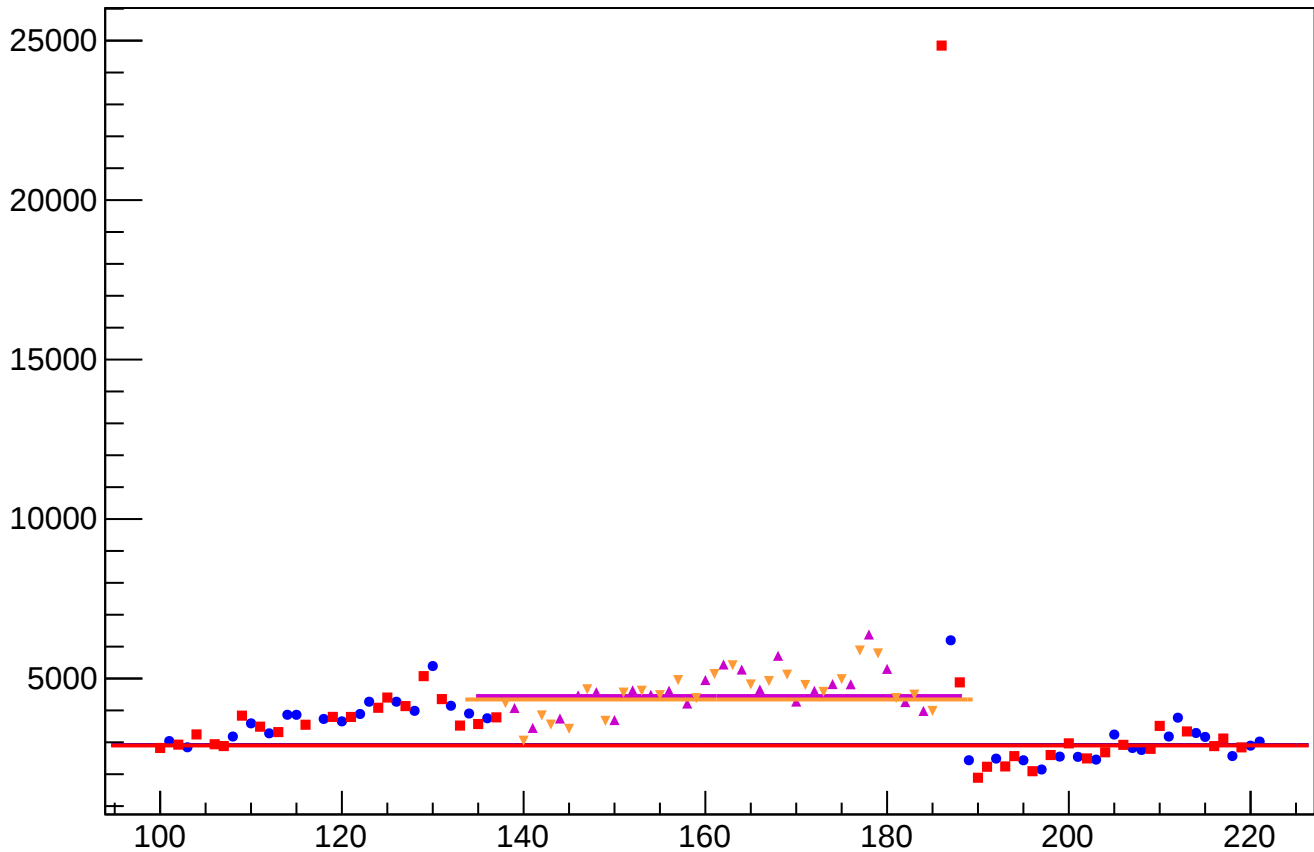
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.439 ± 0.561 χ^2/NDF : 60.7/59

All: -2.049 ± 0.402 χ^2/NDF : 165.7/119

- sign -2.691 ± 0.575 χ^2/NDF : 102.6/59

diff_bpm16Y_rms vs Slug



Right In: 2914.800+/-0.473 χ^2/NDF : 1449047.3/34

Left Out: 4342.635+/-0.728 χ^2/NDF : 993035.5/24

Right Out: 2902.143+/-0.480 χ^2/NDF : 2346922.4/36

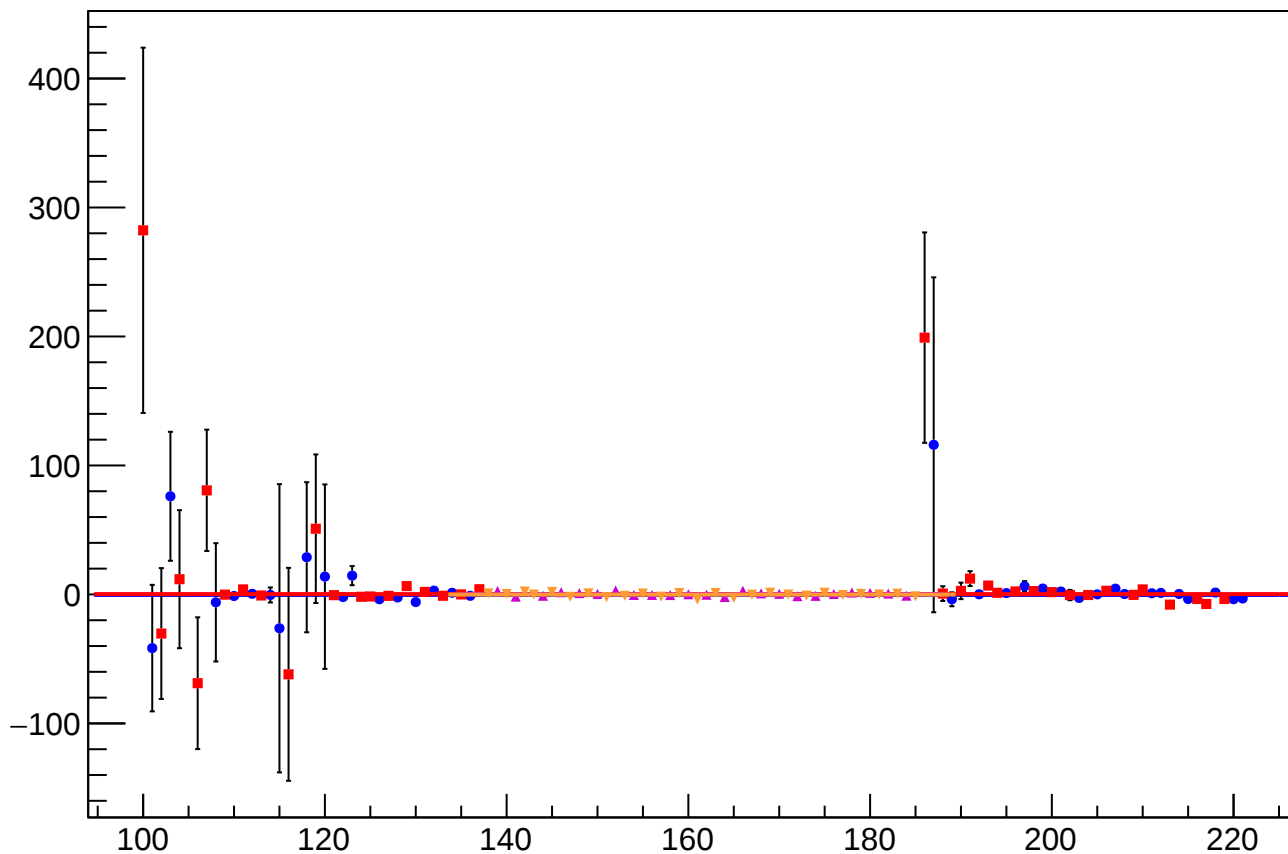
Left In: 4450.007+/-0.765 χ^2/NDF : 693229.8/22

+ sign 3338.682+/-0.397 χ^2/NDF : 5143710.6/59

All: 3339.269+/-0.284 χ^2/NDF : 11119292.7/119

- sign 3339.887+/-0.407 χ^2/NDF : 5975577.7/59

diff_bpm1p02bX_mean vs Slug



Right In: -0.374 ± 0.501 χ^2/NDF : 36.9/34

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

Right Out: 0.269 ± 0.513 χ^2/NDF : 62.0/36

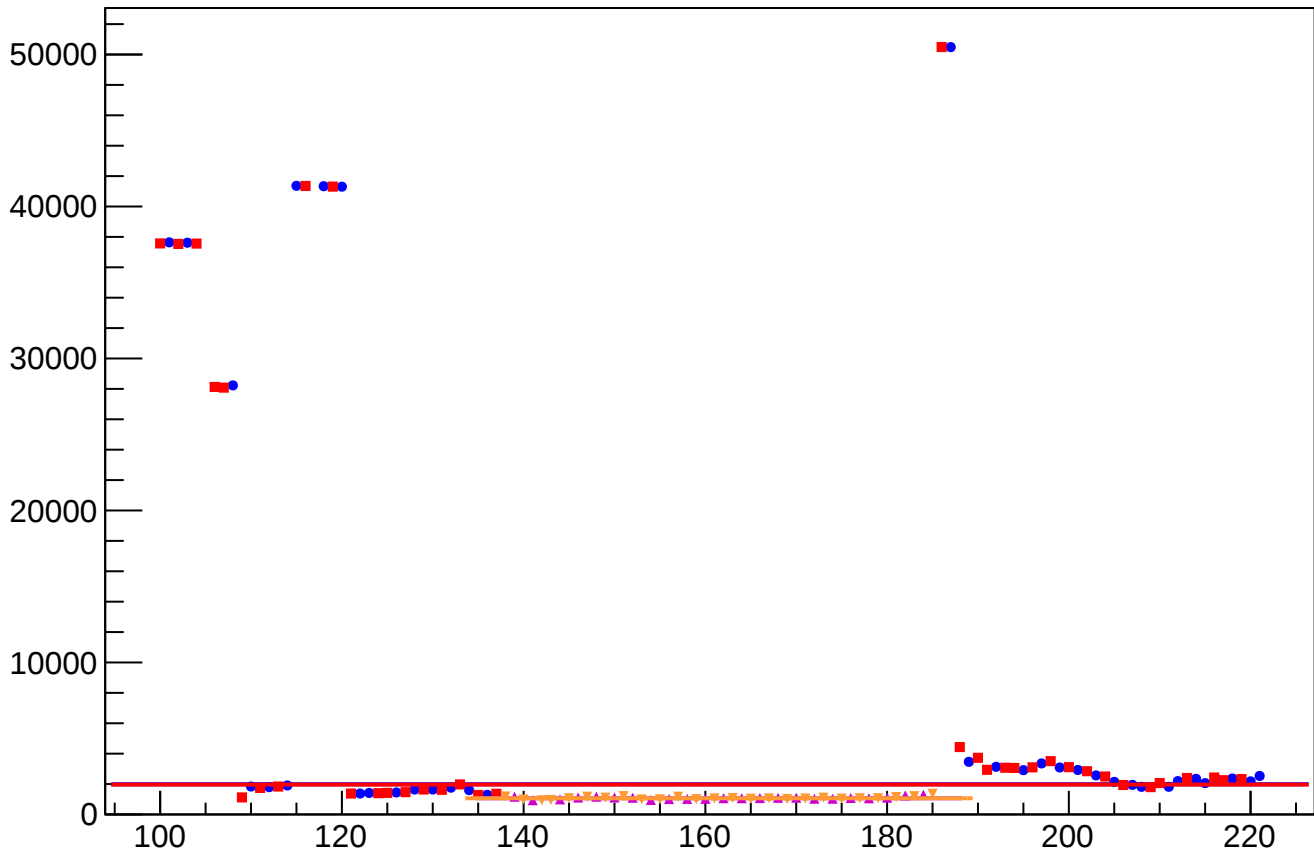
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.148 ± 0.223 χ^2/NDF : 71.6/59

All: 0.051 ± 0.160 χ^2/NDF : 162.5/119

- sign 0.261 ± 0.230 χ^2/NDF : 89.3/59

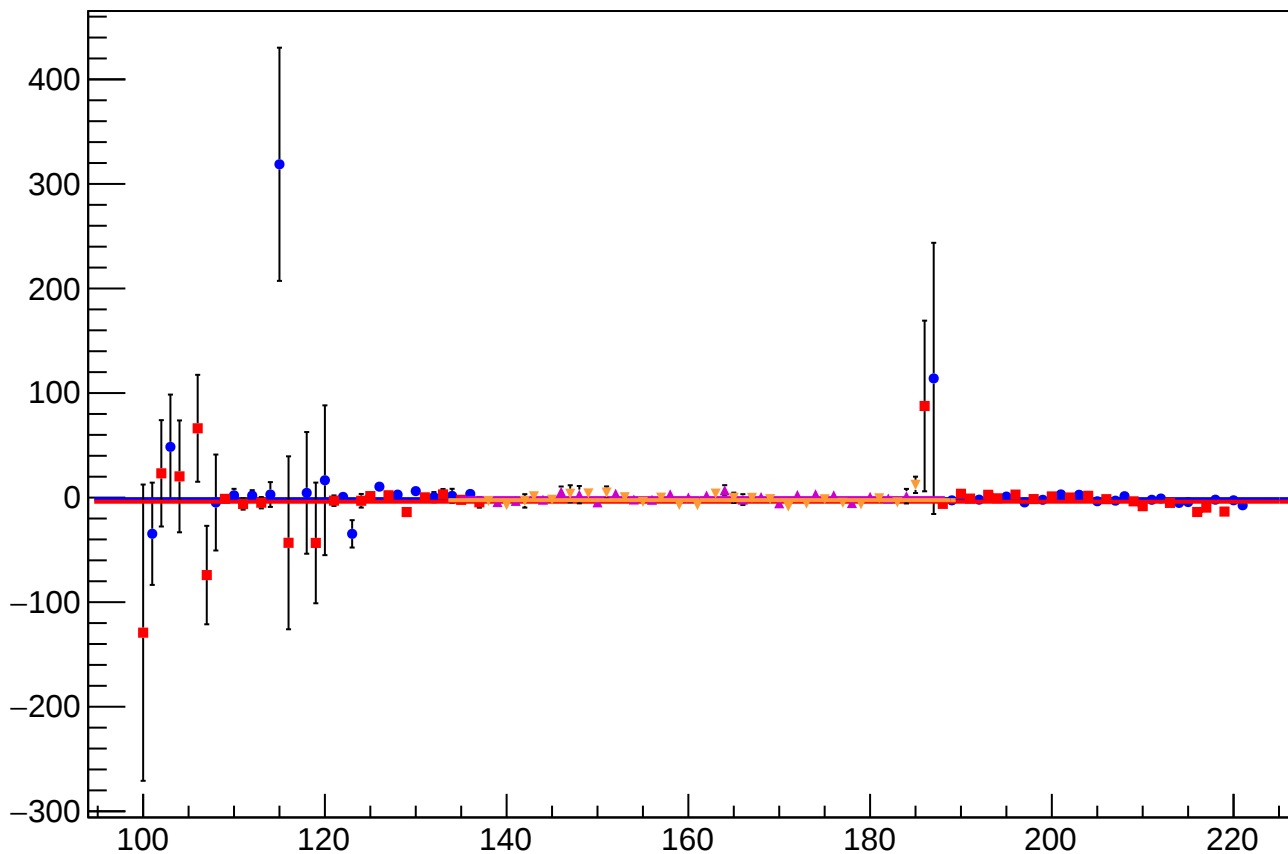
diff_bpm1p02bX_rms vs Slug



Right In: 1987.400+/-0.354 χ^2/NDF : 7109164.3/34
 Left Out: 1064.701+/-0.176 χ^2/NDF : 186511.5/24
 Right Out: 1965.921+/-0.362 χ^2/NDF : 8539140.4/36
 Left In: 1066.255+/-0.182 χ^2/NDF : 164232.1/22

+ sign 1247.804+/-0.158 χ^2/NDF : 12743614.2/59
 All: 1247.391+/-0.113 χ^2/NDF : 26371027.6/100
 - sign 1246.954+/-0.162 χ^2/NDF : 13627399.4/59

diff_bpm1p02bY_mean vs Slug



Right In: -1.460 ± 0.416 χ^2/NDF : 69.6/34

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

Right Out: -3.937 ± 0.446 χ^2/NDF : 148.6/36

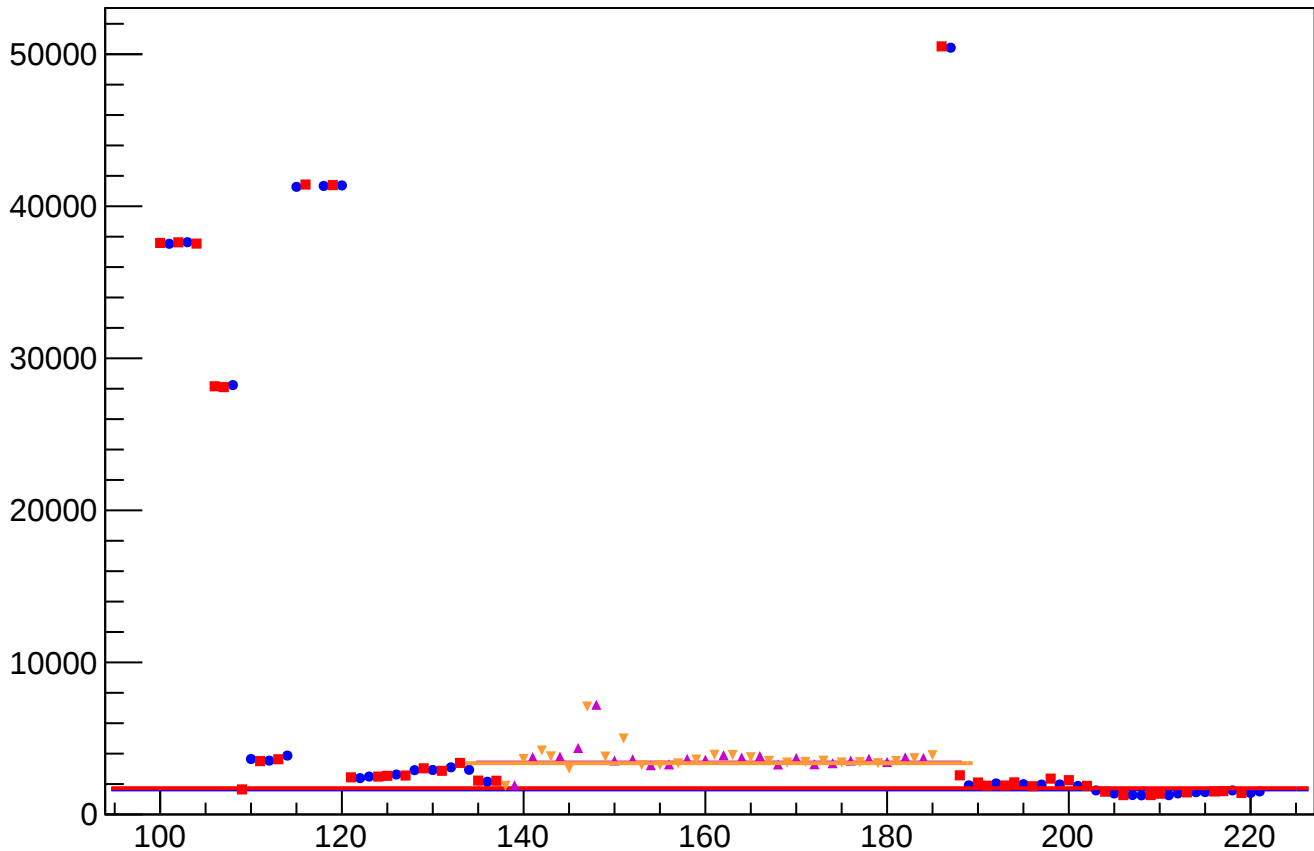
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -1.661 ± 0.370 χ^2/NDF : 91.9/59

All: -2.372 ± 0.270 χ^2/NDF : 277.1/119

- sign -3.179 ± 0.394 χ^2/NDF : 177.3/59

diff_bpm1p02bY_rms vs Slug



Right In: 1647.863+/-0.294 χ^2/NDF : 7164114.7/34

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

Right Out: 1725.312+/-0.315 χ^2/NDF : 7696120.8/36

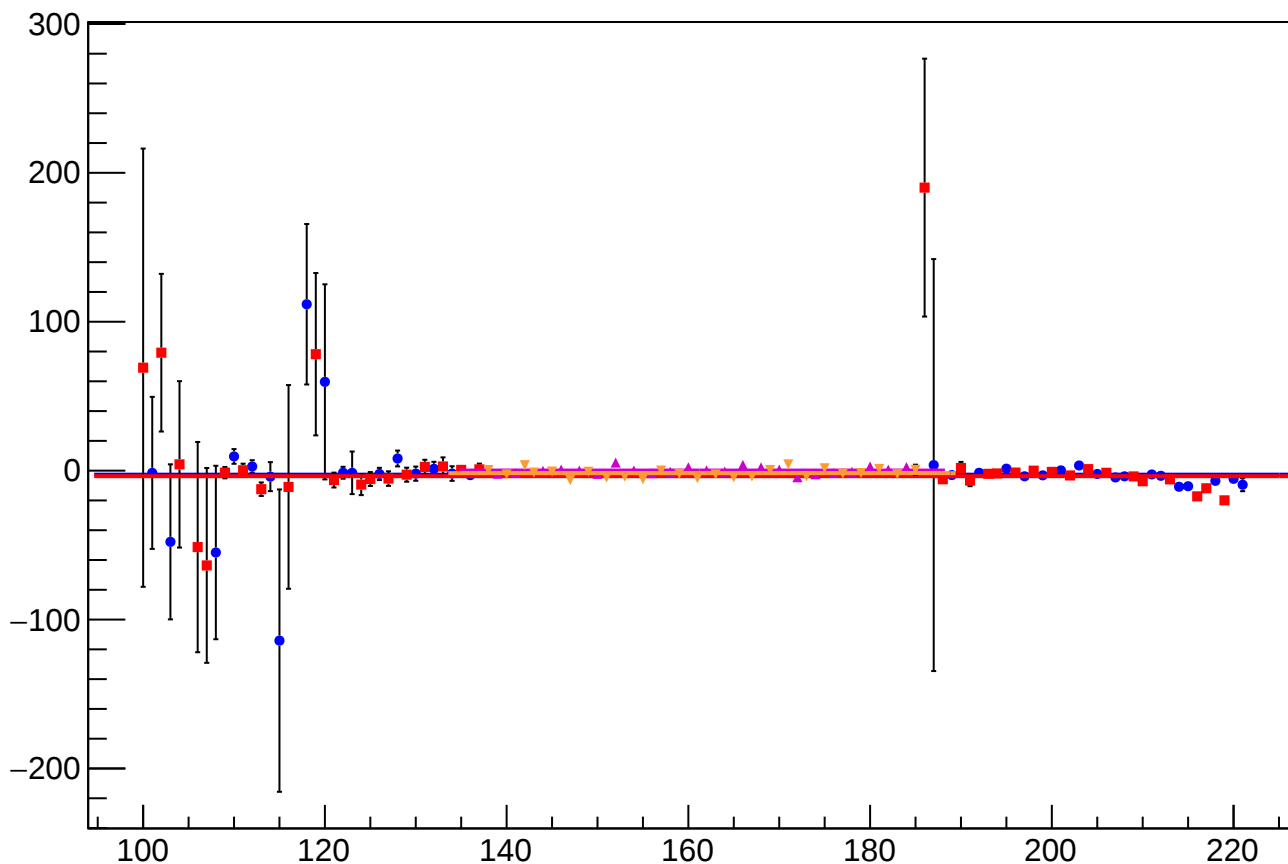
Left In: 3411.924+/-0.596 χ^2/NDF : 1434523.7/22

+ sign 2007.858+/-0.262 χ^2/NDF : 15989927.0/59

All: 2048.285+/-0.191 χ^2/NDF : 31428956.0/1

- sign 2094.087+/-0.279 χ^2/NDF : 15388175.0/59

diff_bpm1p03aX_mean vs Slug



Right In: -2.695 ± 0.540 χ^2/NDF : 54.6/34

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

Right Out: -3.721 ± 0.567 χ^2/NDF : 92.3/36

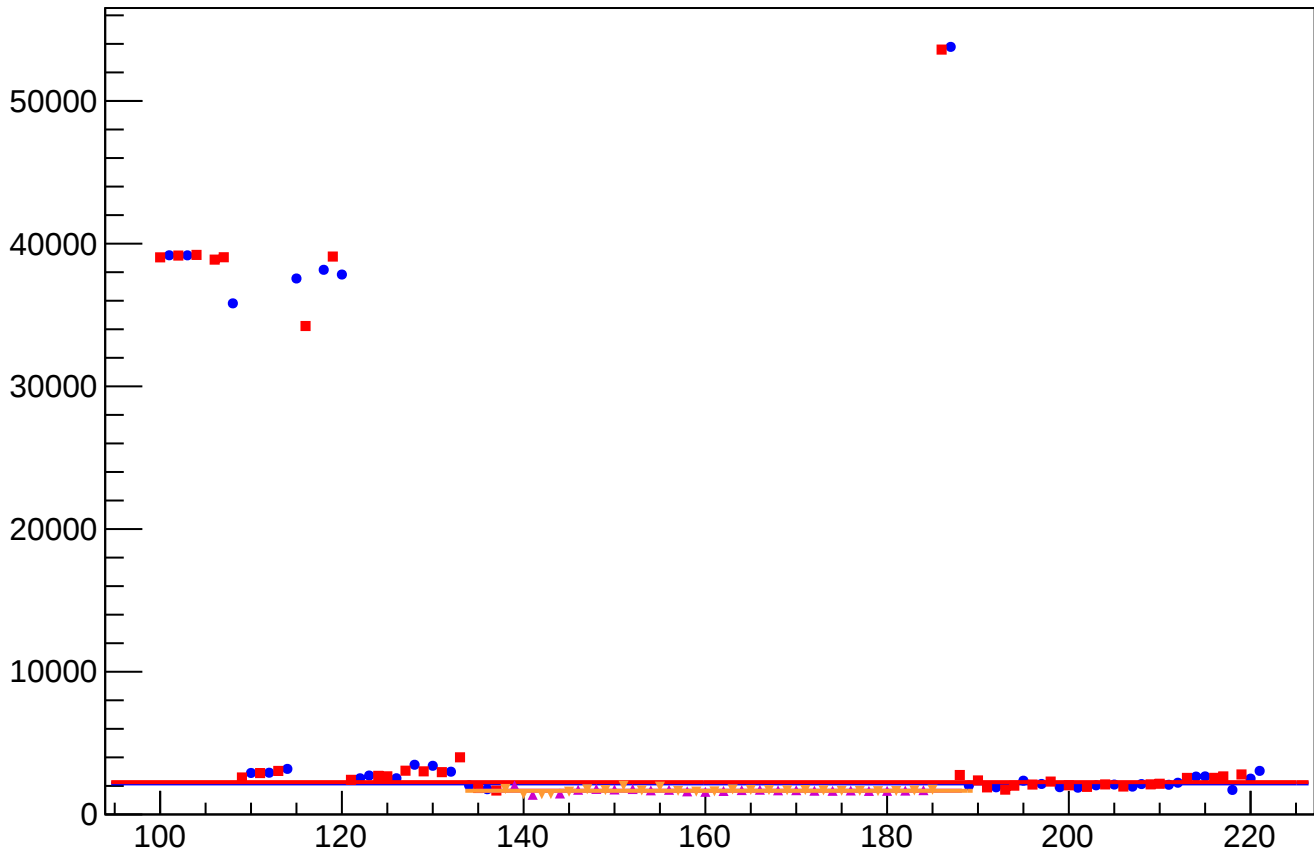
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -2.021 ± 0.315 χ^2/NDF : 102.7/59

All: -1.622 ± 0.227 χ^2/NDF : 256.3/119

- sign -1.192 ± 0.328 χ^2/NDF : 150.3/59

diff_bpm1p03aX_rms vs Slug



Right In: 2175.321+/-0.382 χ^2/NDF : 5770556.4/34

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

Right Out: 2265.082+/-0.401 χ^2/NDF : 6219201.2/36

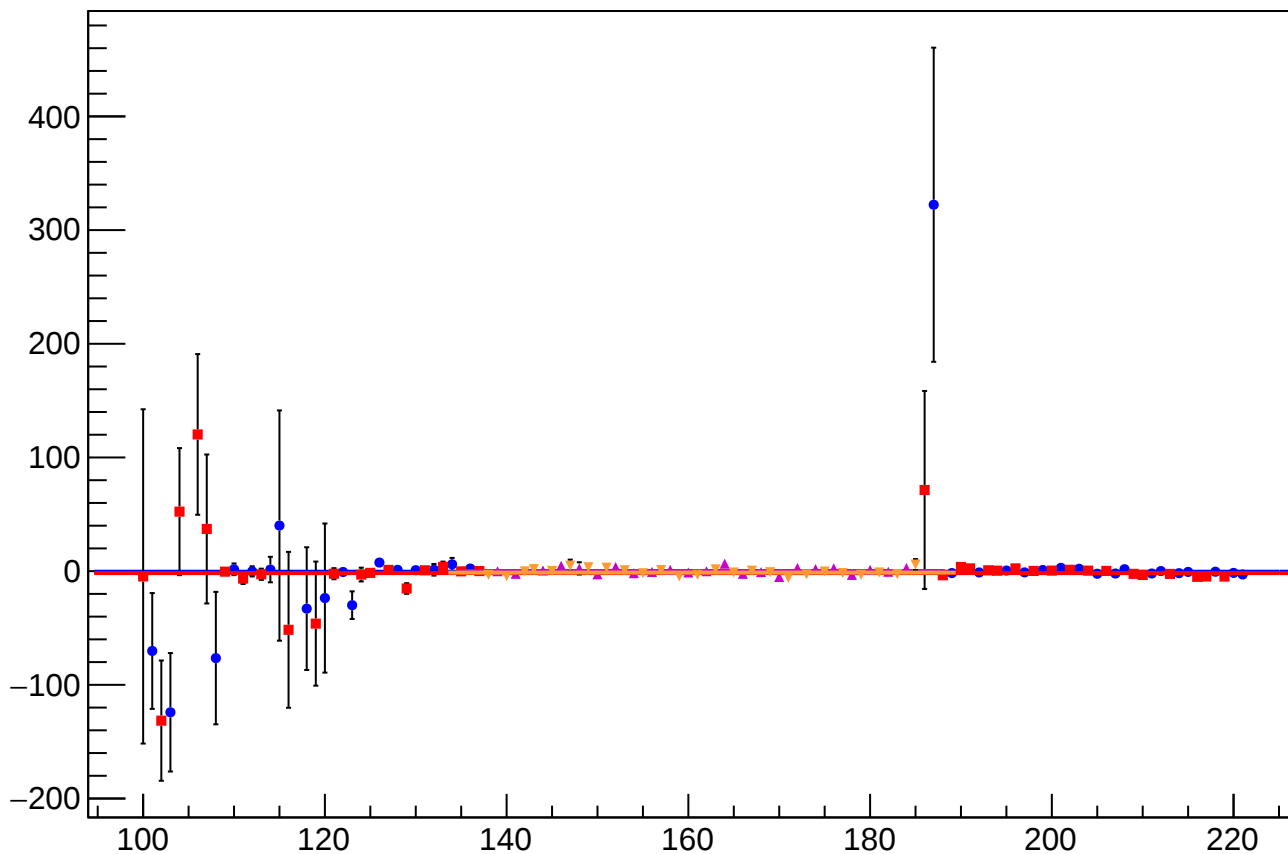
Left In: 1663.620+/-0.284 χ^2/NDF : 178858.2/22

+ sign 1834.205+/-0.223 χ^2/NDF : 7206678.2/59

All: 1848.518+/-0.161 χ^2/NDF : 15111845.6/1

- sign 1863.985+/-0.232 χ^2/NDF : 7896579.0/59

diff_bpm1p03aY_mean vs Slug



Right In: -0.502 ± 0.345 $\chi^2/\text{NDF}: 48.4/34$

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

Right Out: -1.705 ± 0.361 $\chi^2/\text{NDF}: 71.2/36$

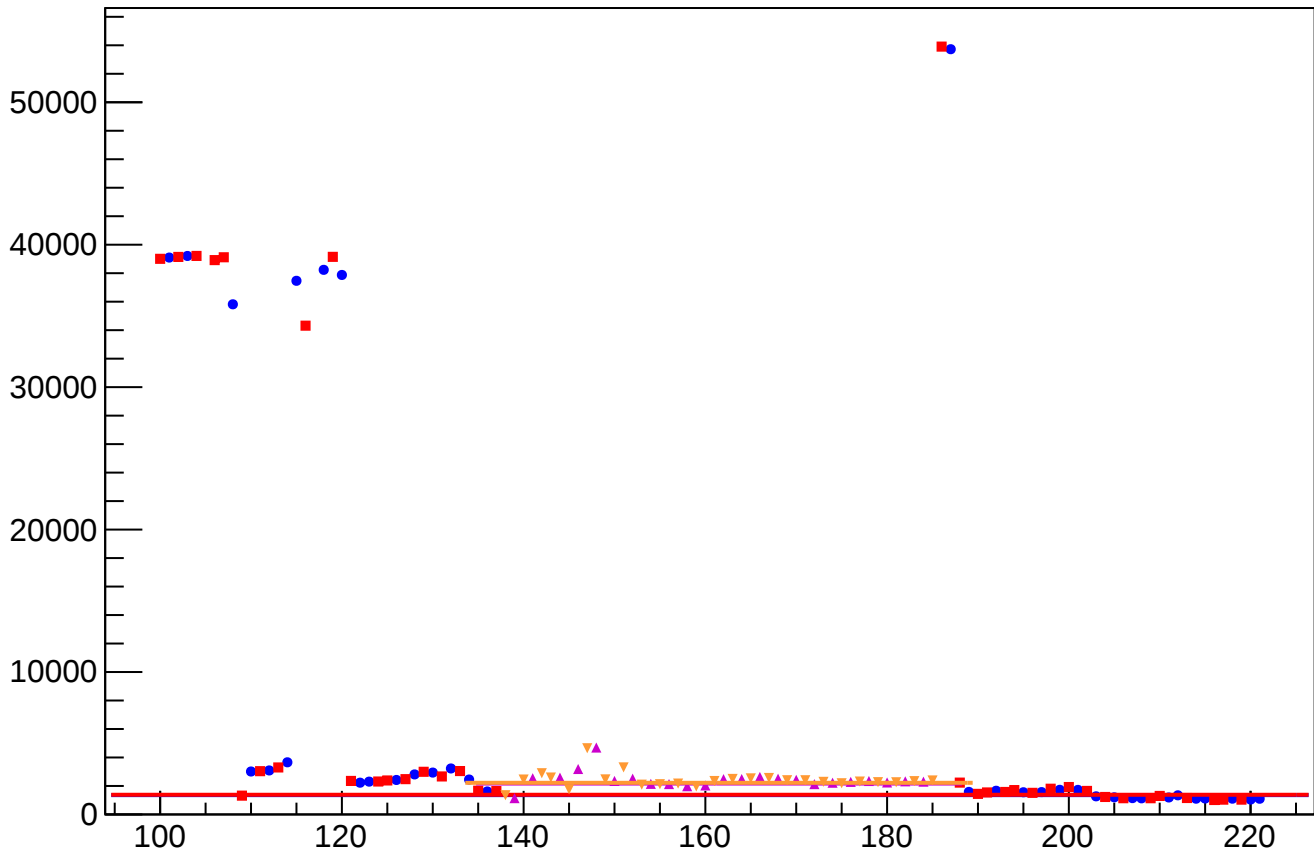
Left In: 0.098 ± 0.541 $\chi^2/\text{NDF}: 19.3/22$

+ sign -0.723 ± 0.290 $\chi^2/\text{NDF}: 71.5/59$

All: -0.929 ± 0.209 $\chi^2/\text{NDF}: 170.8/119$

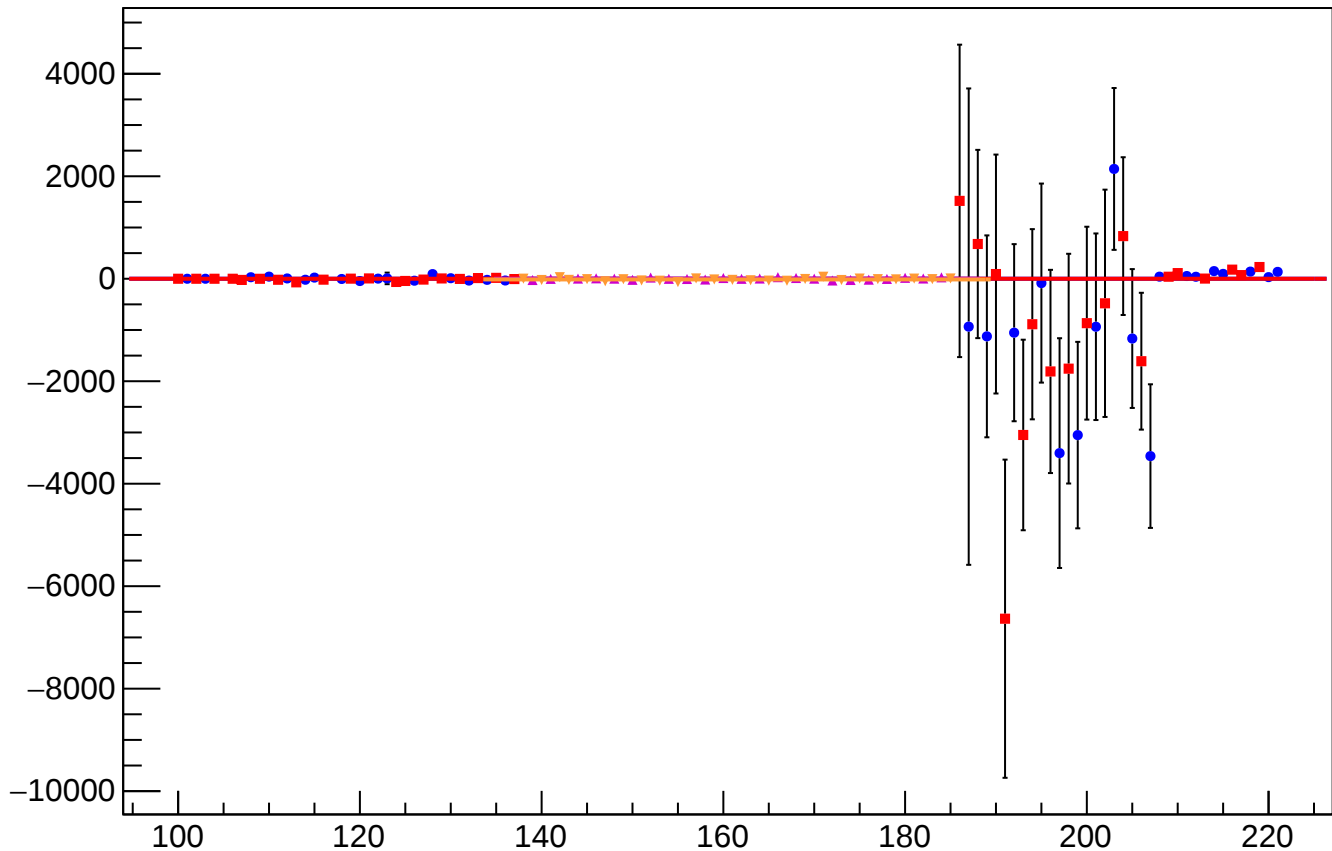
- sign -1.149 ± 0.300 $\chi^2/\text{NDF}: 98.2/59$

diff_bpm1p03aY_rms vs Slug



Right In: 1356.956+/-0.244	χ^2/NDF : 7614124.3/34	+ sign 1611.500+/-0.205	χ^2/NDF : 12727005.1/59
Left Out: 2222.081+/-0.378	χ^2/NDF : 1422440.9/24	All: 1618.050+/-0.148	χ^2/NDF : 25989103.2/103
Right Out: 1382.509+/-0.255	χ^2/NDF : 8360163.7/36	- sign 1625.070+/-0.212	χ^2/NDF : 13259987.8/59
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 : 66.8/34

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

Right Out: 0.003 ± 0.016 χ^2/NDF : 66.0/36

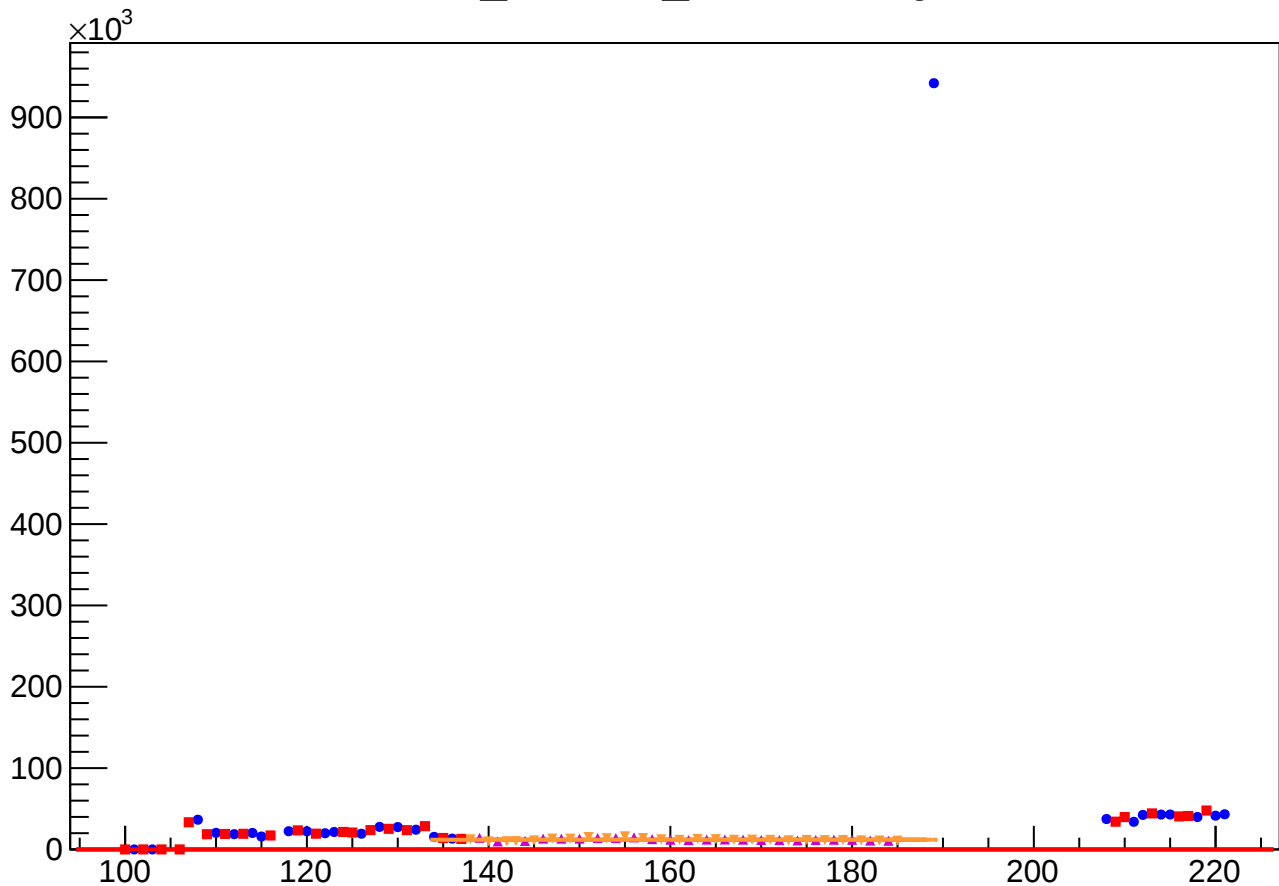
Left In: -0.459 ± 2.917 χ^2/NDF : 29.0/22

+ sign 0.013 ± 0.017 χ^2/NDF : 148.7/59

All: 0.008 ± 0.012 χ^2/NDF : 243.8/119

- sign 0.003 ± 0.016 χ^2/NDF : 95.0/59

diff_cav4bX_rms vs Slug



Right In: 18.686 ± 0.012 $\chi^2/\text{NDF}: 23208466.5/25$

Left Out: 11910.325 ± 1.980 $\chi^2/\text{NDF}: 476504.3/24$

Right Out: 18.339 ± 0.011 $\chi^2/\text{NDF}: 19870002.7/24$

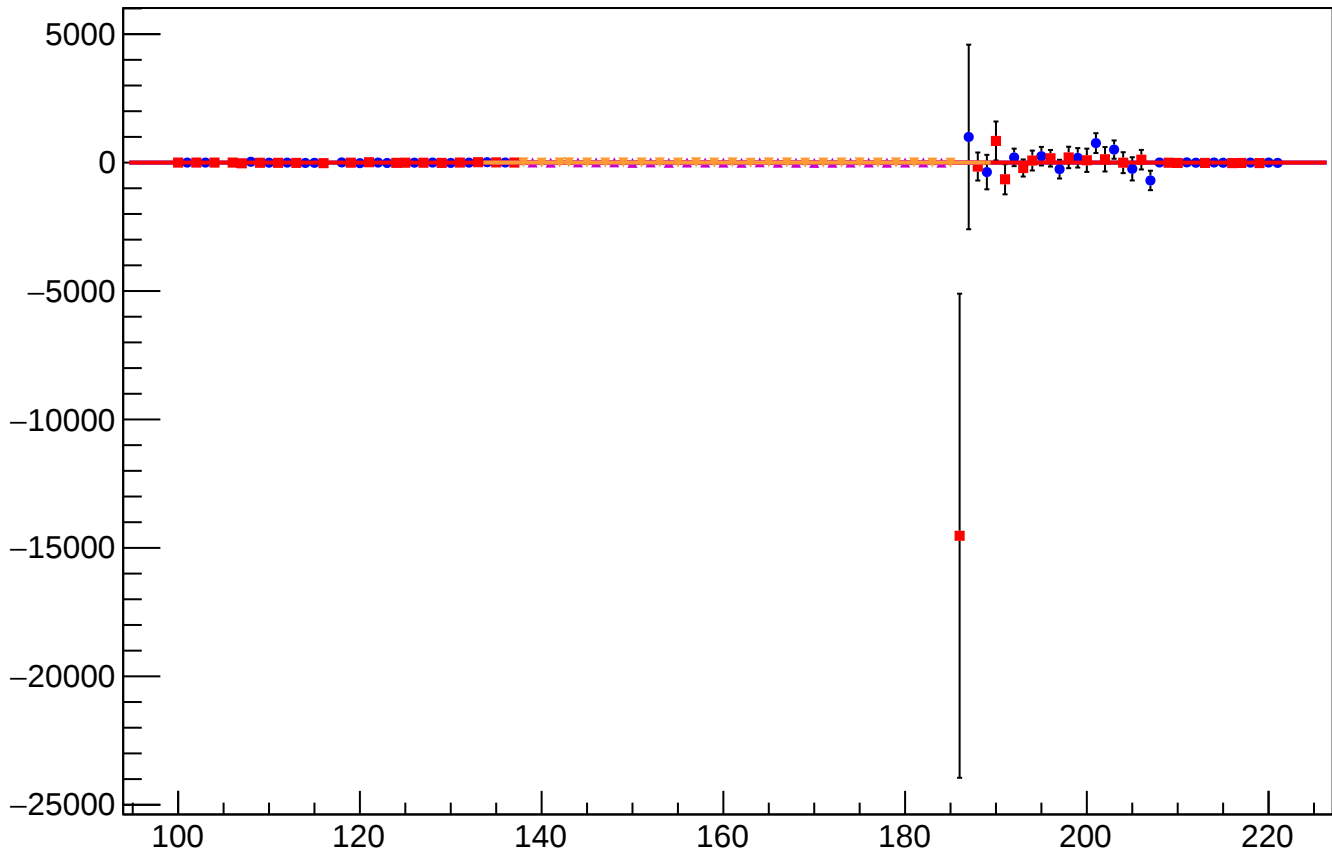
Left In: 12064.761 ± 2.062 $\chi^2/\text{NDF}: 368452.5/22$

+ sign 19.142 ± 0.012 $\chi^2/\text{NDF}: 59747843.6/50$

All: 18.907 ± 0.008 $\chi^2/\text{NDF}: 114102730.6/98$

- sign 18.705 ± 0.011 $\chi^2/\text{NDF}: 54354202.9/47$

diff_cav4bY_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 32.5/34

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

Right Out: 0.014 ± 0.009 χ^2/NDF : 60.9/36

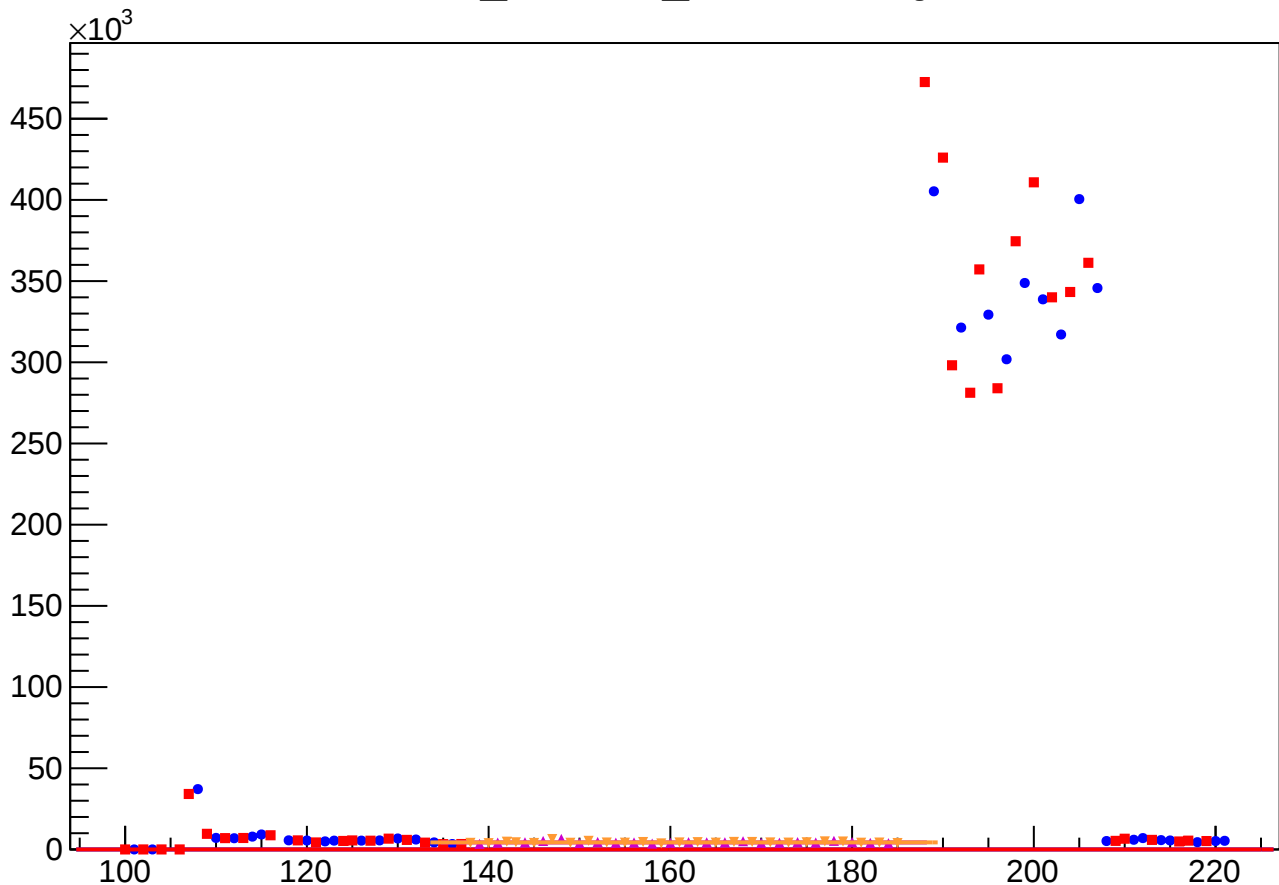
Left In: 0.939 ± 1.049 χ^2/NDF : 35.6/22

+ sign 0.001 ± 0.009 χ^2/NDF : 53.5/59

All: 0.008 ± 0.006 χ^2/NDF : 151.9/119

- sign 0.014 ± 0.009 χ^2/NDF : 97.3/59

diff_cav4bY_rms vs Slug



Right In: 10.033+/-0.007 χ^2/NDF : 36613001.2/33

Left Out: 4349.005+/-0.723 χ^2/NDF : 383895.7/24

Right Out: 9.915+/-0.006 χ^2/NDF : 34640091.4/35

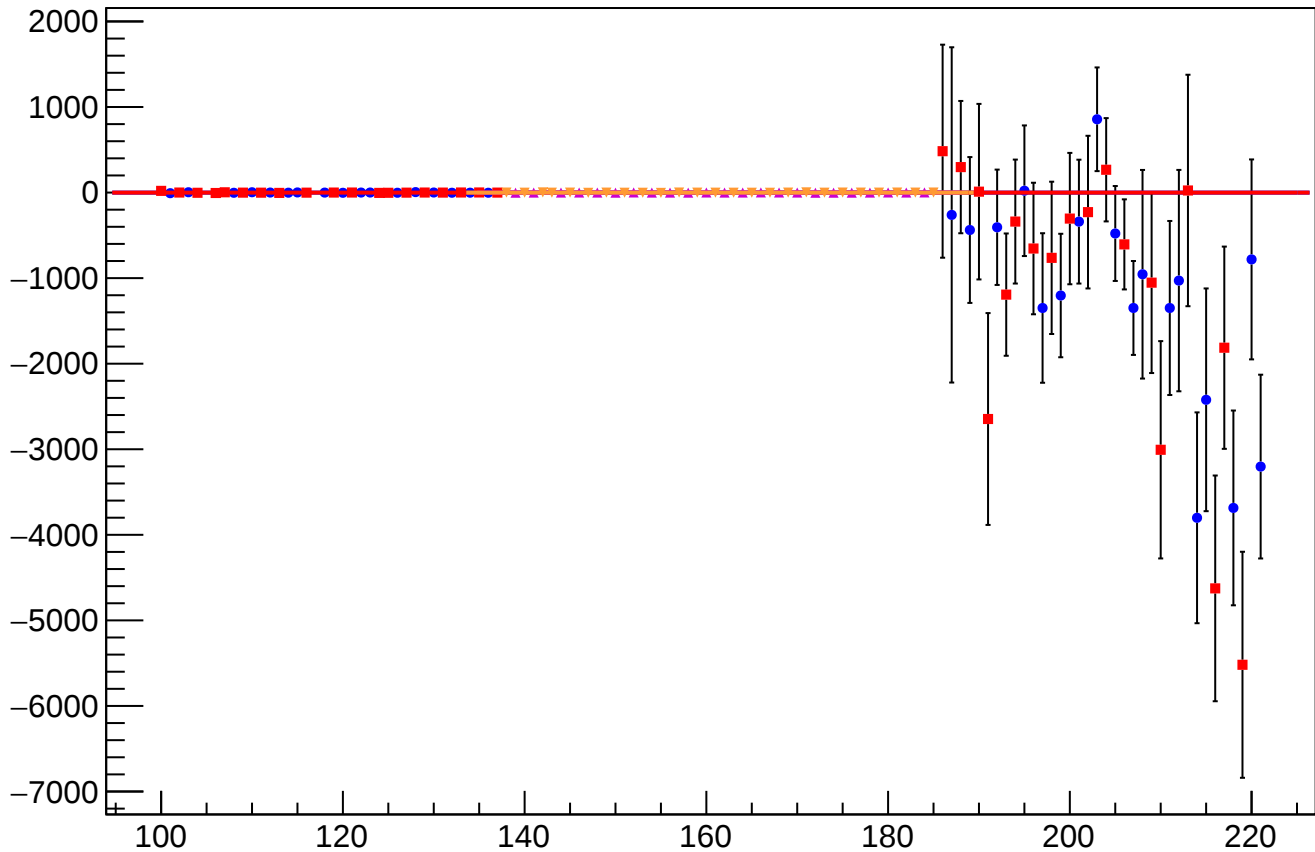
Left In: 4321.572+/-0.741 χ^2/NDF : 514603.2/22

+ sign 10.385+/-0.007 χ^2/NDF : 73038859.1/58

All: 10.291+/-0.004 χ^2/NDF : 142011761.0/1

- sign 10.209+/-0.006 χ^2/NDF : 68972512.1/58

diff_cav4cX_mean vs Slug



Right In: -0.719 ± 0.483 χ^2/NDF : 73.3/34

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

Right Out: -0.642 ± 0.501 χ^2/NDF : 62.8/36

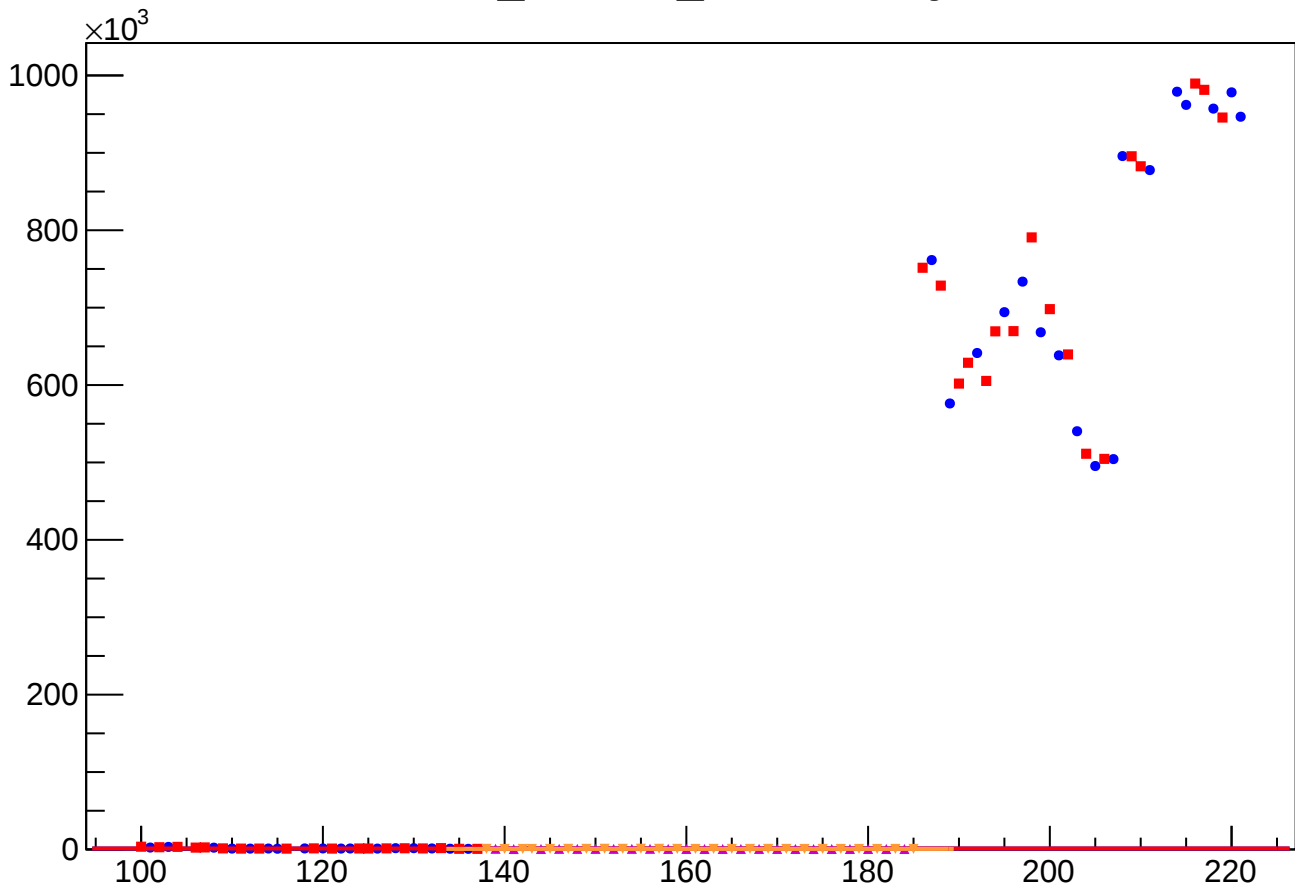
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 131.8/59

All: -0.439 ± 0.112 χ^2/NDF : 234.8/119

- sign -0.083 ± 0.162 χ^2/NDF : 93.6/59

diff_cav4cX_rms vs Slug



Right In: 1170.461+/-0.342 χ^2/NDF : 20403383.5/33

Left Out: 700.984+/-0.116 χ^2/NDF : 392855.4/24

+ sign 749.799+/-0.110 χ^2/NDF : 22488493.7/58

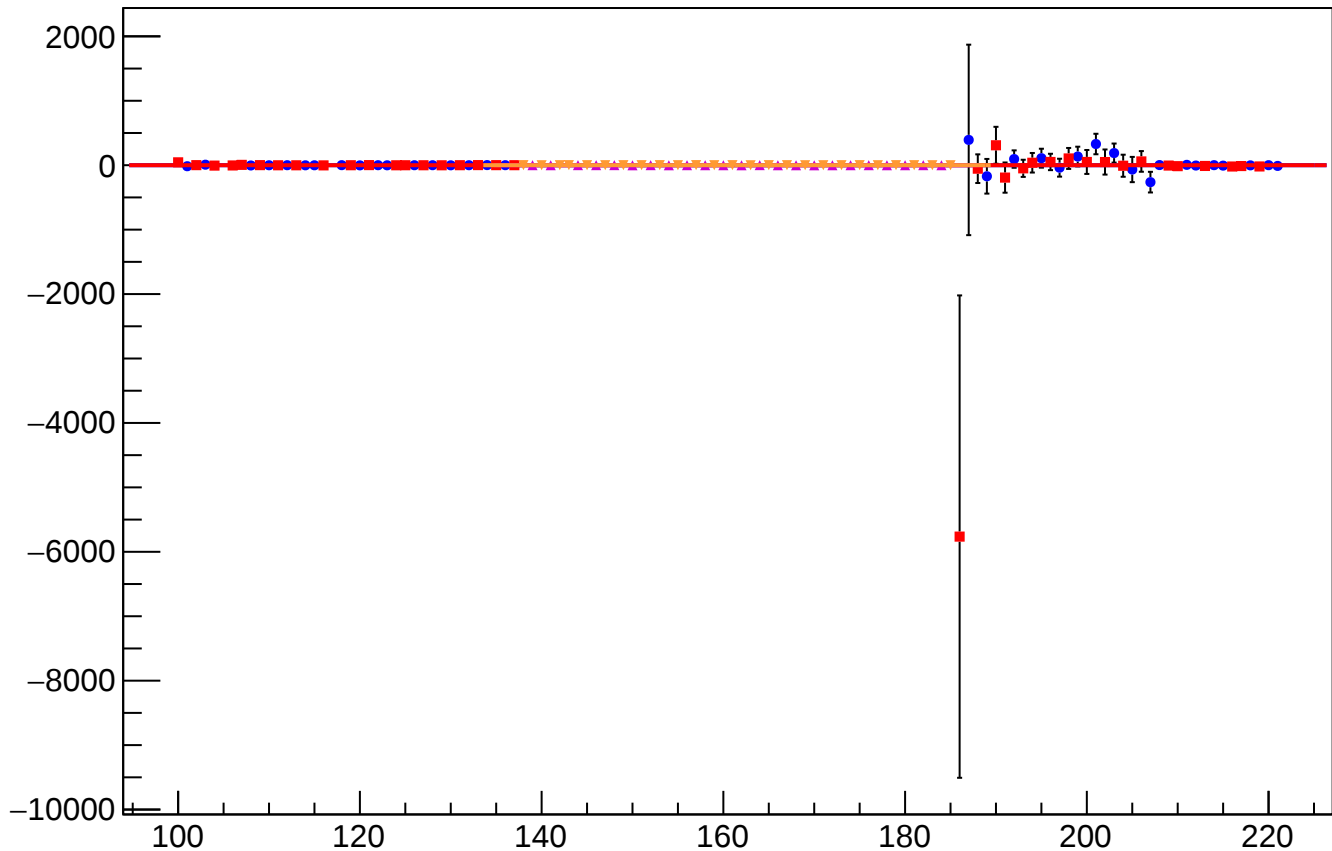
Right Out: 1251.310+/-0.355 χ^2/NDF : 19395338.9/35

All: 756.415+/-0.079 χ^2/NDF : 44334944.1/11

Left In: 706.971+/-0.121 χ^2/NDF : 332011.4/22

- sign 763.540+/-0.114 χ^2/NDF : 21838958.2/58

diff_cav4cY_mean vs Slug



Right In: -0.112 ± 0.266 χ^2/NDF : 40.2/34

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

Right Out: 0.059 ± 0.262 χ^2/NDF : 78.0/36

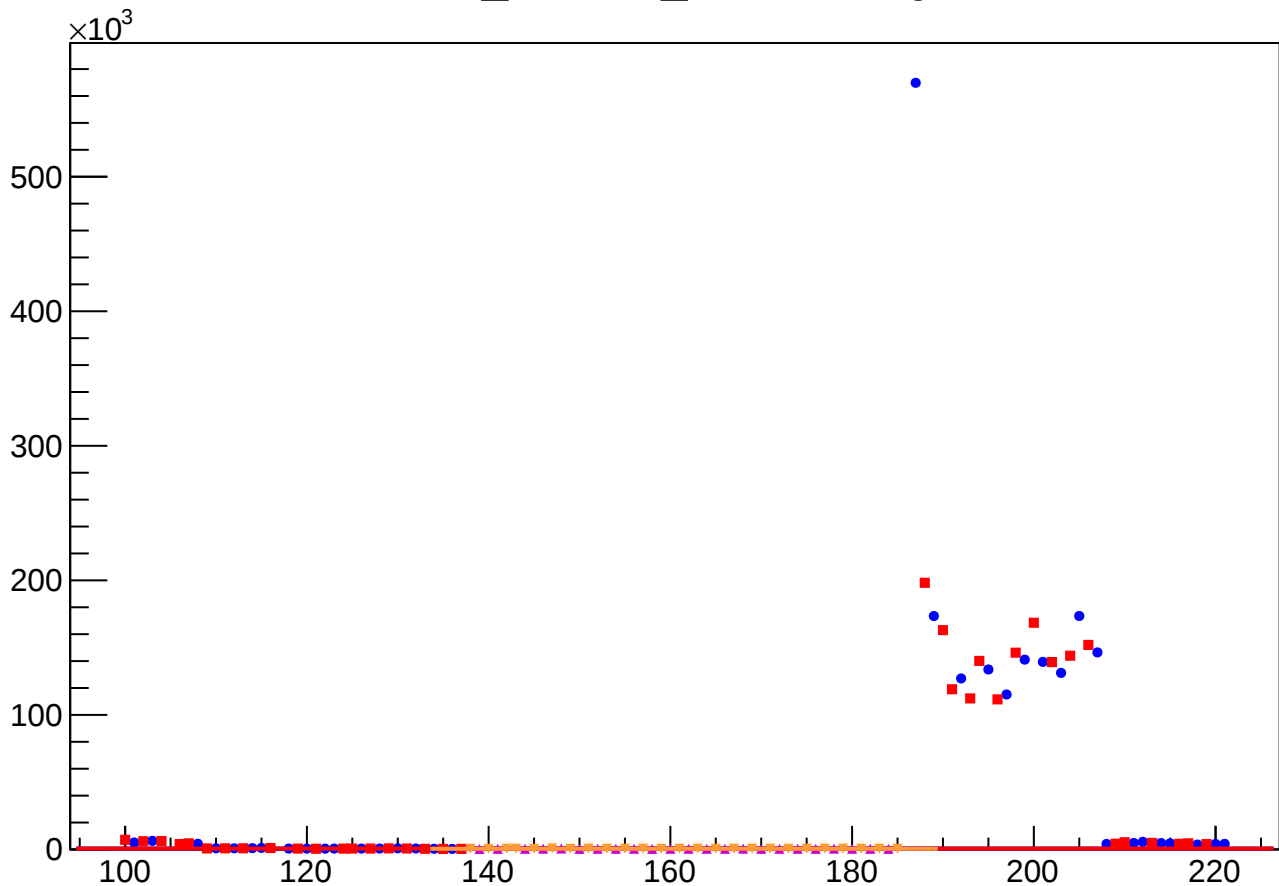
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.172 ± 0.111 χ^2/NDF : 59.5/59

All: 0.143 ± 0.080 χ^2/NDF : 172.7/119

- sign 0.113 ± 0.114 χ^2/NDF : 113.0/59

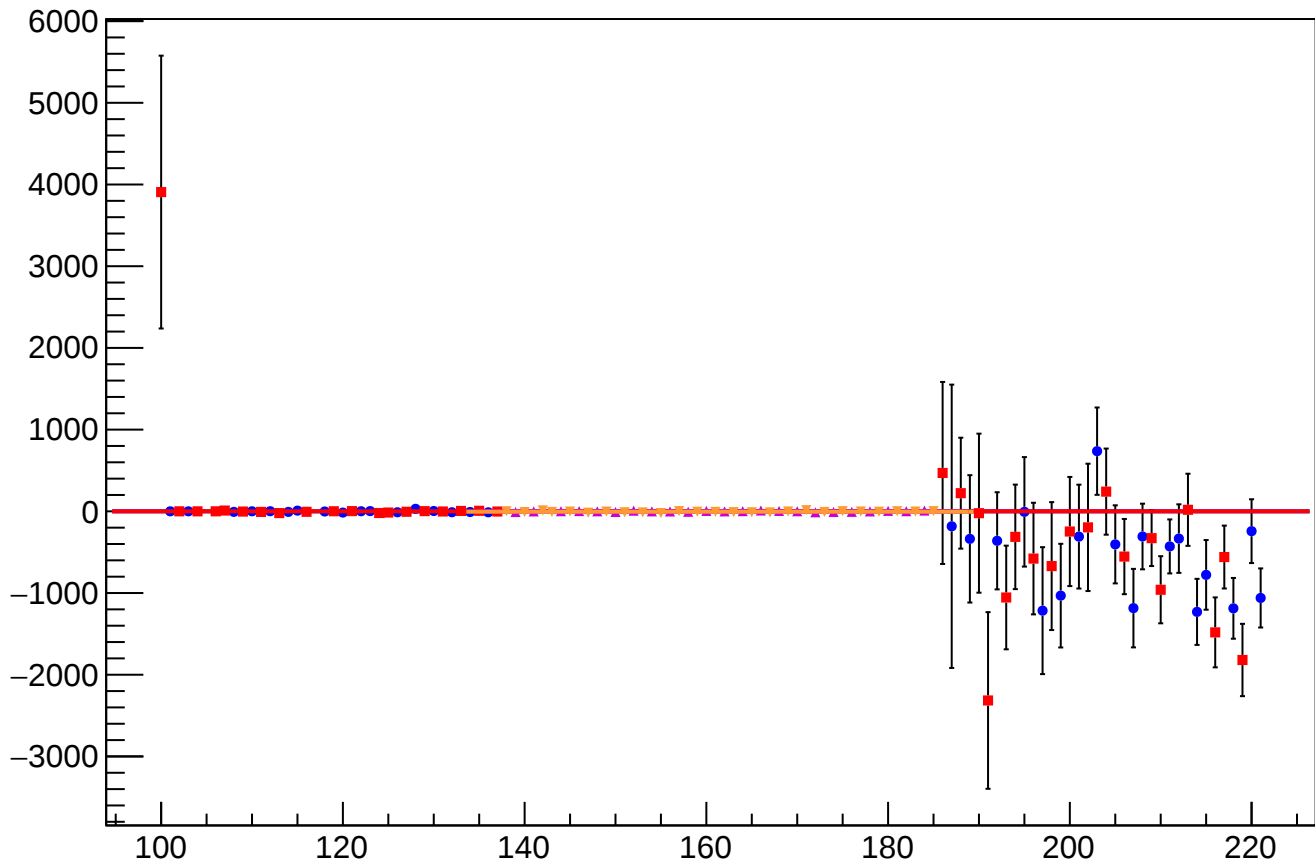
diff_cav4cY_rms vs Slug



Right In: 695.956 ± 0.188 χ^2/NDF : 25690124.9/34
 Left Out: 522.220 ± 0.087 χ^2/NDF : 330405.3/24
 Right Out: 660.662 ± 0.186 χ^2/NDF : 24822247.2/35
 Left In: 520.700 ± 0.089 χ^2/NDF : 427720.5/22

+ sign 552.669 ± 0.079 χ^2/NDF : 26724373.6/59
 All: 549.880 ± 0.056 χ^2/NDF : 52439077.4/11
 - sign 546.972 ± 0.080 χ^2/NDF : 25712140.9/58

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 65.2/34

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

Right Out: -0.027 ± 0.020 χ^2/NDF : 66.0/36

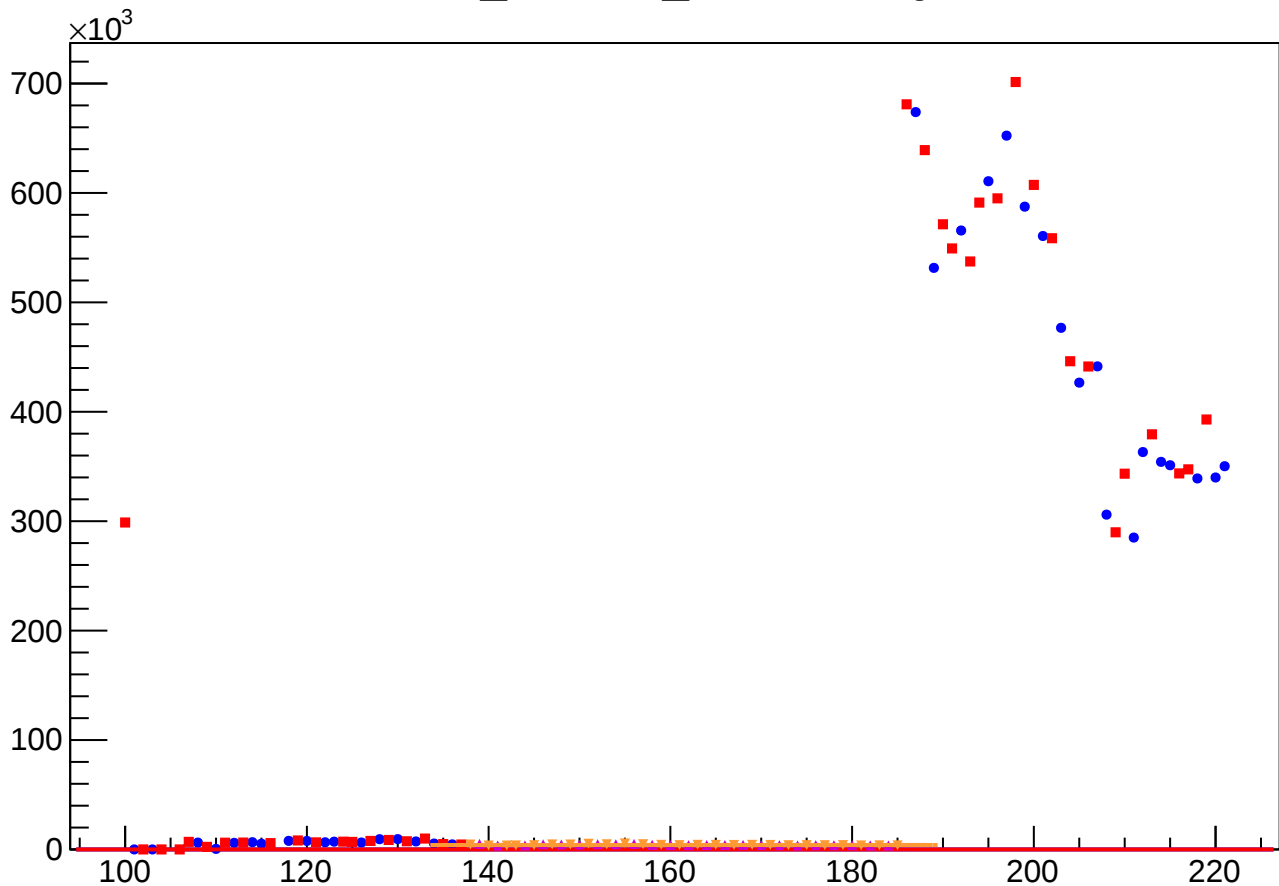
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 145.3/59

All: -0.025 ± 0.014 χ^2/NDF : 240.9/119

- sign -0.027 ± 0.020 χ^2/NDF : 95.5/59

diff_cav4dX_rms vs Slug



Right In: 17.353+/-0.015 χ^2/NDF : 36810952.8/34

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

Right Out: 17.278+/-0.014 χ^2/NDF : 35504248.8/36

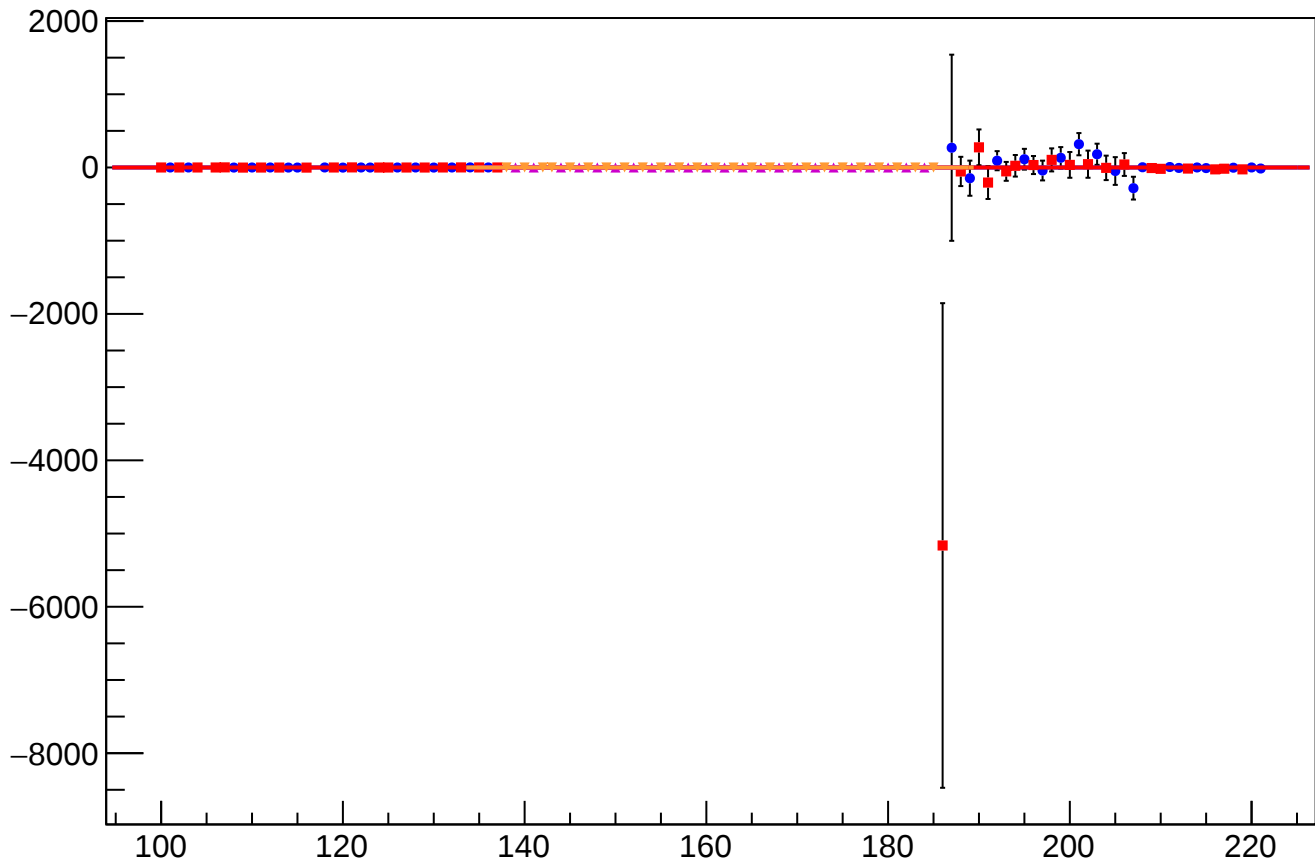
Left In: 4113.993+/-0.703 χ^2/NDF :349160.6/22

+ sign 19.267+/-0.015 χ^2/NDF : 73160880.6/59

All: 19.074+/-0.010 χ^2/NDF : 142970429.3/11

- sign 18.899+/-0.014 χ^2/NDF : 69809218.8/59

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 36.0/34

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

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 80.1/36

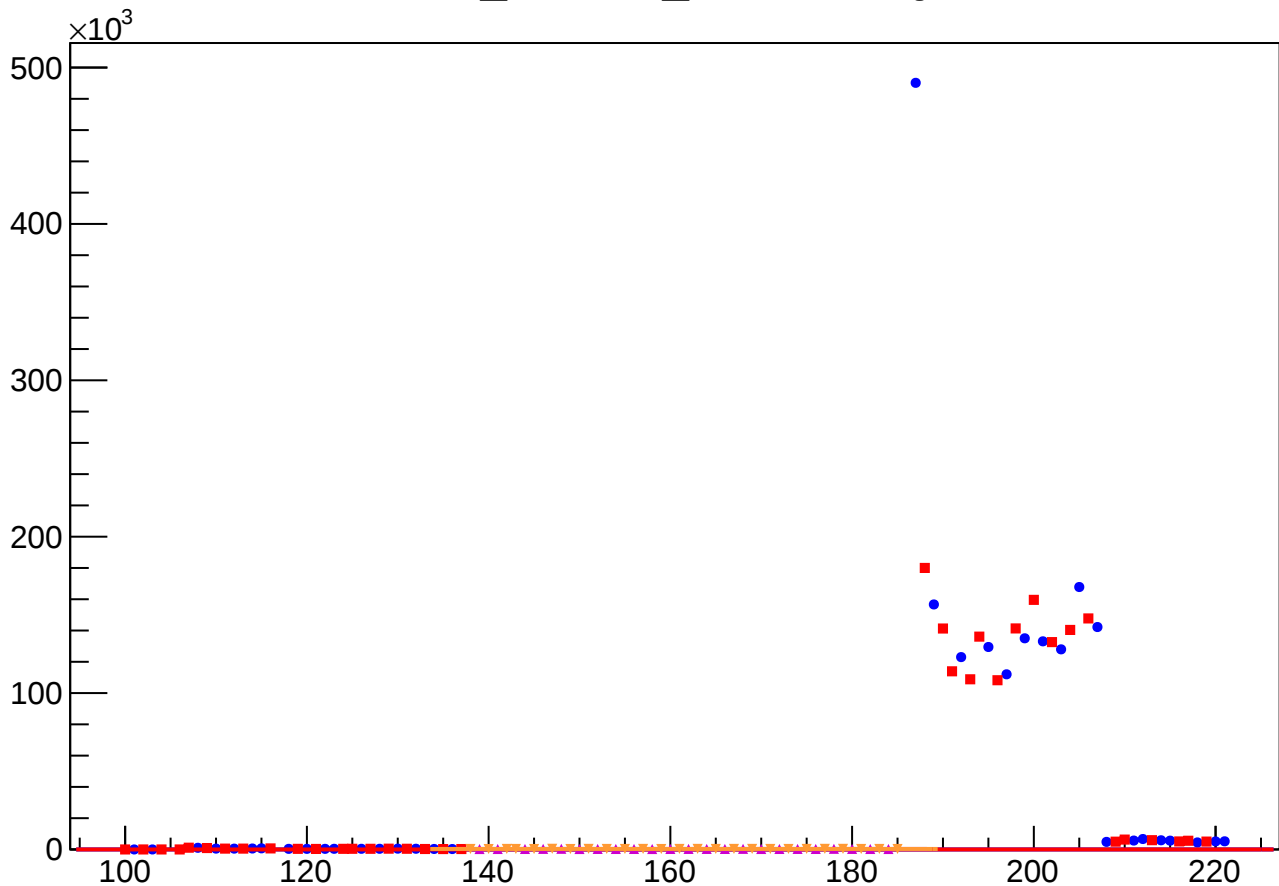
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF: 34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 57.0/59

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 172.8/119

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 115.7/59

diff_cav4dY_rms vs Slug



Right In: 1.704+/-0.001 χ^2/NDF : 37018175.2/34

Left Out: 325.326+/-0.054 χ^2/NDF : 347705.2/24

Right Out: 1.731+/-0.001 χ^2/NDF : 34441973.2/35

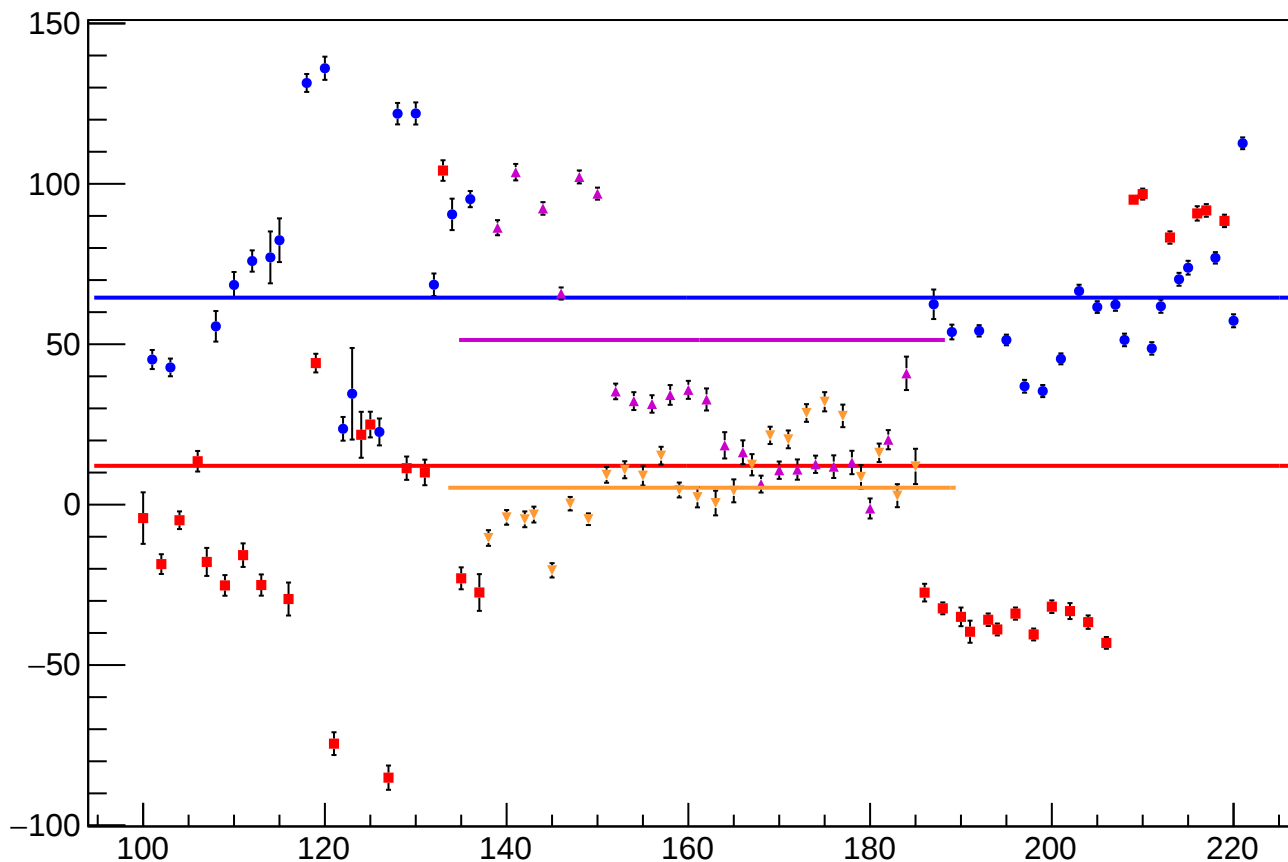
Left In: 325.626+/-0.056 χ^2/NDF : 413350.0/22

+ sign 1.931+/-0.001 χ^2/NDF : 73229022.2/59

All: 1.929+/-0.001 χ^2/NDF : 141808258.1/118

- sign 1.927+/-0.001 χ^2/NDF : 68579232.0/58

diff_bpm0i01X_mean vs Slug



Right In: 64.525 ± 0.409 χ^2/NDF : 3637.6/34

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

Right Out: 12.102 ± 0.408 χ^2/NDF : 21415.0/36

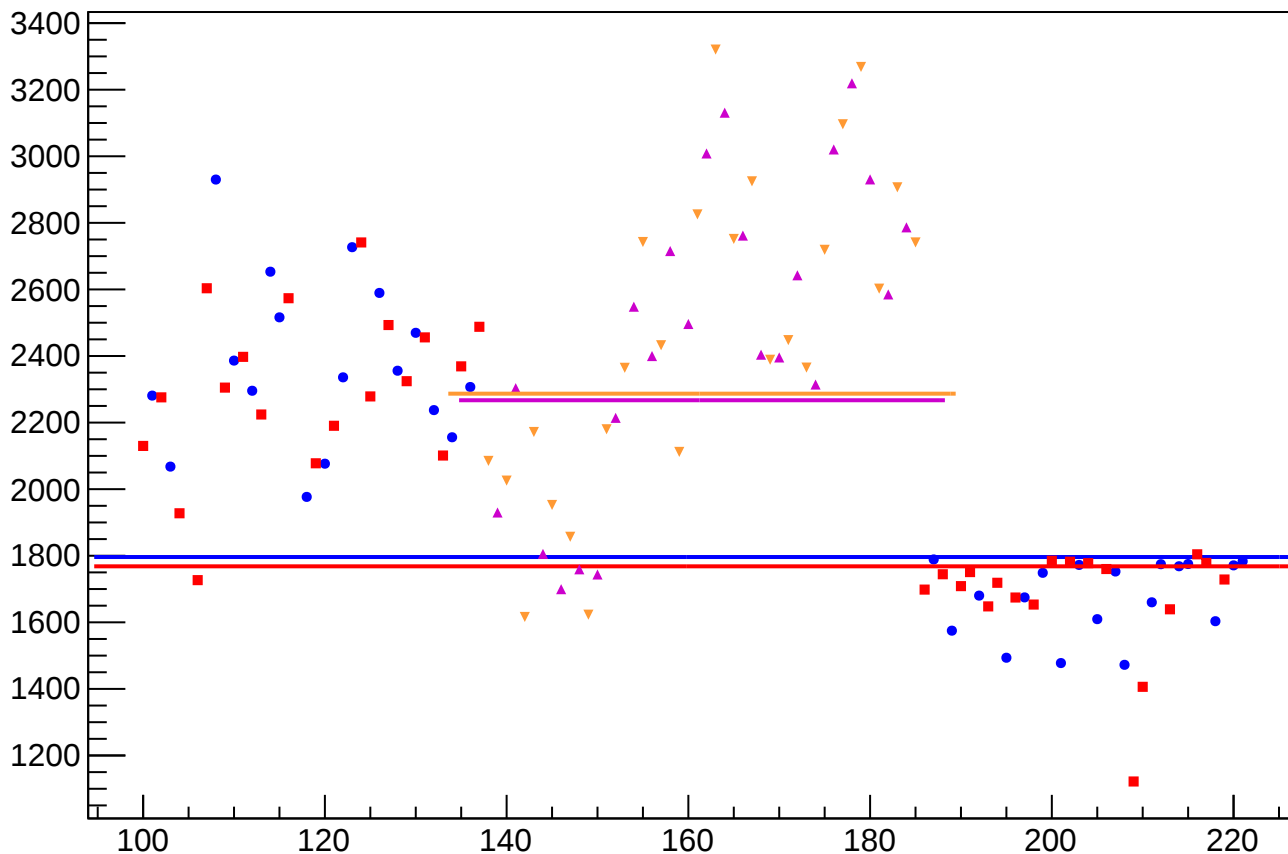
Left In: 51.328 ± 0.558 χ^2/NDF : 4257.8/22

+ sign 43.122 ± 0.327 χ^2/NDF : 11766.1/59

All: 34.502 ± 0.232 χ^2/NDF : 42055.6/119

- sign 25.757 ± 0.329 χ^2/NDF : 28890.2/59

diff_bpm0i01X_rms vs Slug



Right In: 1796.173+/-0.289 χ^2/NDF : 1000265.9/34

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

Right Out: 1768.202+/-0.289 χ^2/NDF : 1358616.3/36

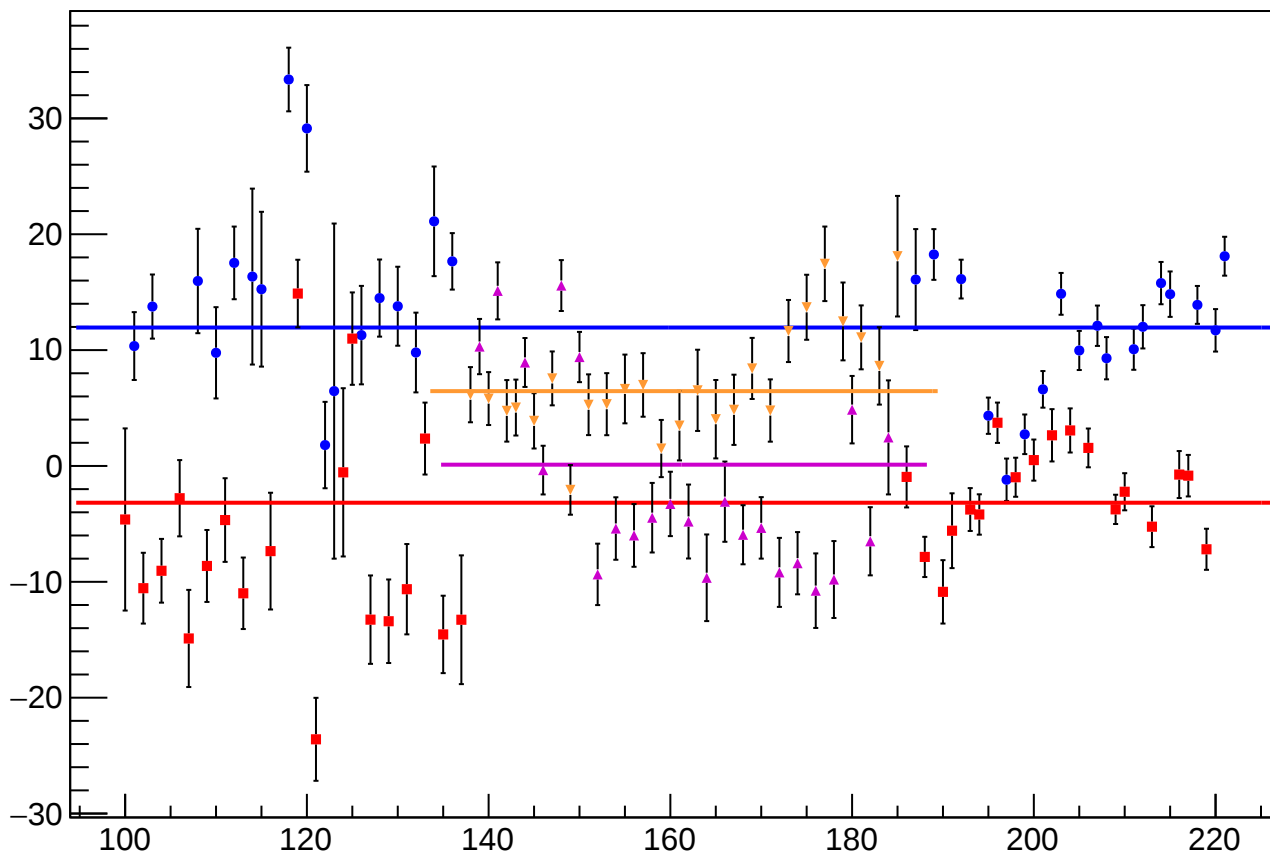
Left In: 2267.097+/-0.395 χ^2/NDF :1313364.4/22

+ sign 1973.434+/-0.231 χ^2/NDF : 3399520.6/59

All: 1957.767+/-0.164 χ^2/NDF : 7121638.0/11

- sign 1941.872+/-0.233 χ^2/NDF : 3712872.4/59

diff_bpm0i01Y_mean vs Slug



Right In: 11.949 ± 0.382 χ^2/NDF : 265.3/34

Left Out: 6.458 ± 0.548 χ^2/NDF : 58.7/24

Right Out: -3.173 ± 0.383 χ^2/NDF : 223.1/36

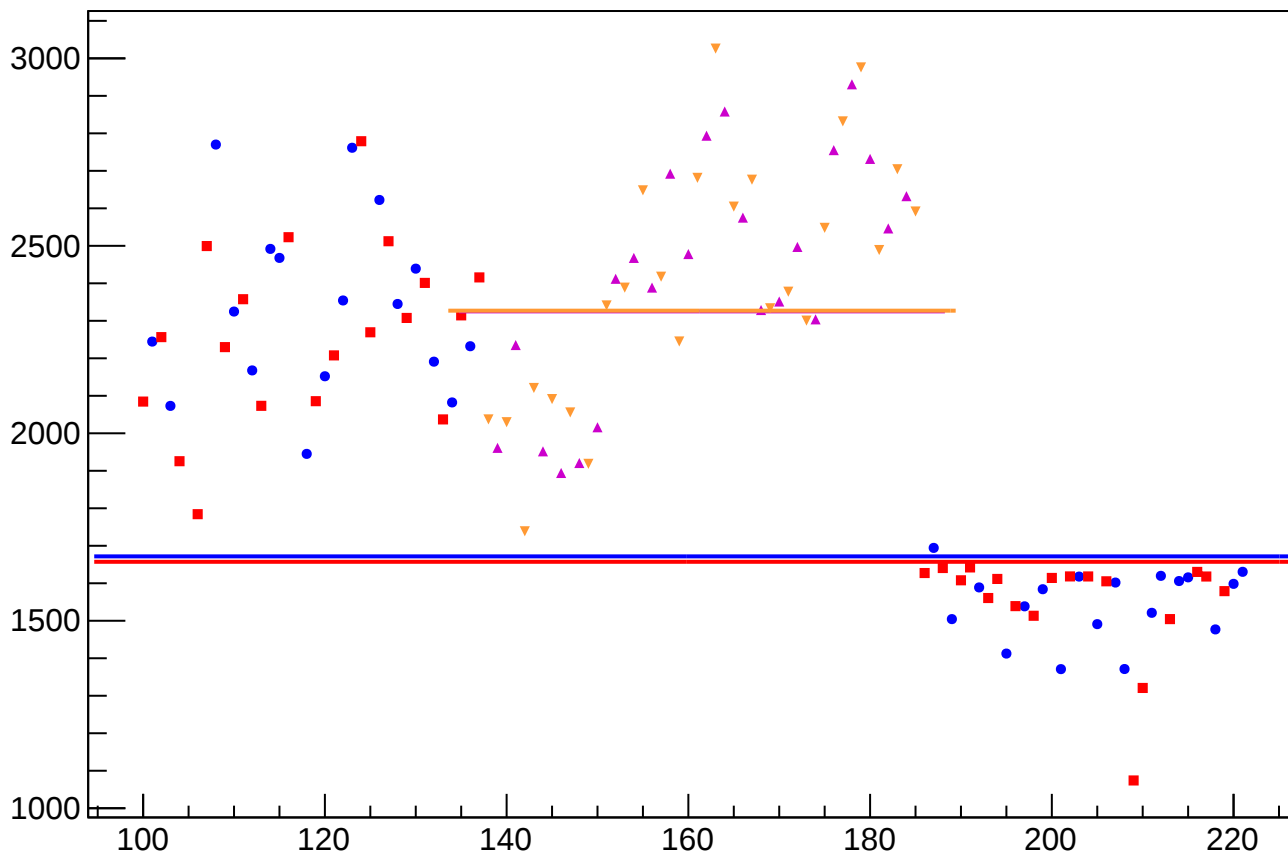
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 10.152 ± 0.313 χ^2/NDF : 391.7/59

All: 4.084 ± 0.223 χ^2/NDF : 1632.8/119

- sign -2.139 ± 0.317 χ^2/NDF : 480.8/59

diff_bpm0i01Y_rms vs Slug



Right In: 1671.725+/-0.270 χ^2/NDF : 1270010.5/34

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

Right Out: 1657.283+/-0.271 χ^2/NDF : 1563136.8/36

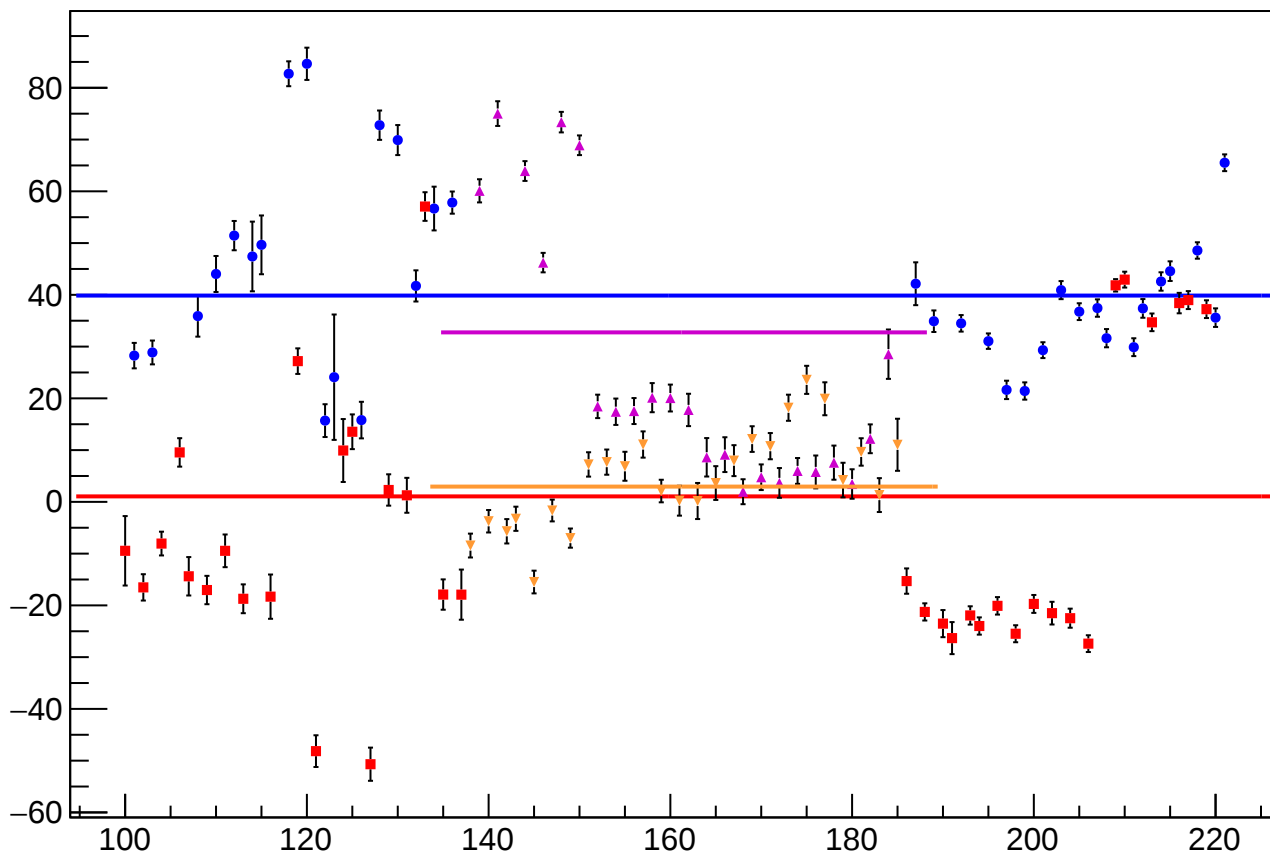
Left In: 2325.175+/-0.400 χ^2/NDF : 610729.2/22

+ sign 1886.120+/-0.221 χ^2/NDF : 3844169.5/59

All: 1876.998+/-0.158 χ^2/NDF : 7934944.3/11

- sign 1867.642+/-0.224 χ^2/NDF : 4087337.7/59

diff_bpm0i01aX_mean vs Slug



Right In: 39.858 $\pm$ 0.360 χ^2 /NDF: 1713.4/34

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

Right Out: 1.058 $\pm$ 0.359 χ^2 /NDF: 6829.4/36

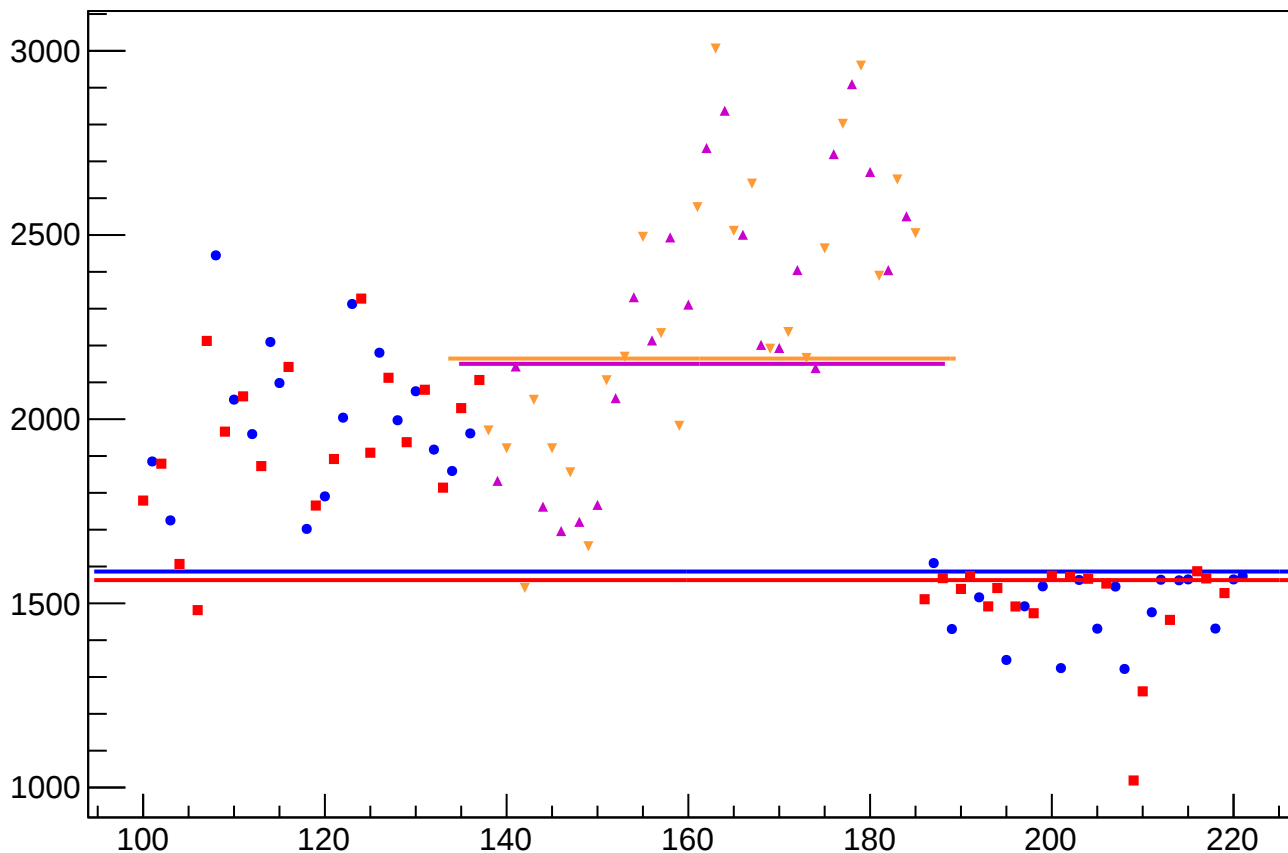
Left In: 32.745 $\pm$ 0.526 χ^2 /NDF:2632.5/22

+ sign 27.643 $\pm$ 0.295 χ^2 /NDF: 5528.2/59

All: 19.448 $\pm$ 0.209 χ^2 /NDF: 19023.8/119

- sign 11.133 $\pm$ 0.297 χ^2 /NDF: 11935.9/59

diff_bpm0i01aX_rms vs Slug



Right In: 1586.378 $\pm$ 0.255 χ^2 /NDF: 764611.3/34

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

Right Out: 1563.073 $\pm$ 0.254 χ^2 /NDF: 1081993.7/36

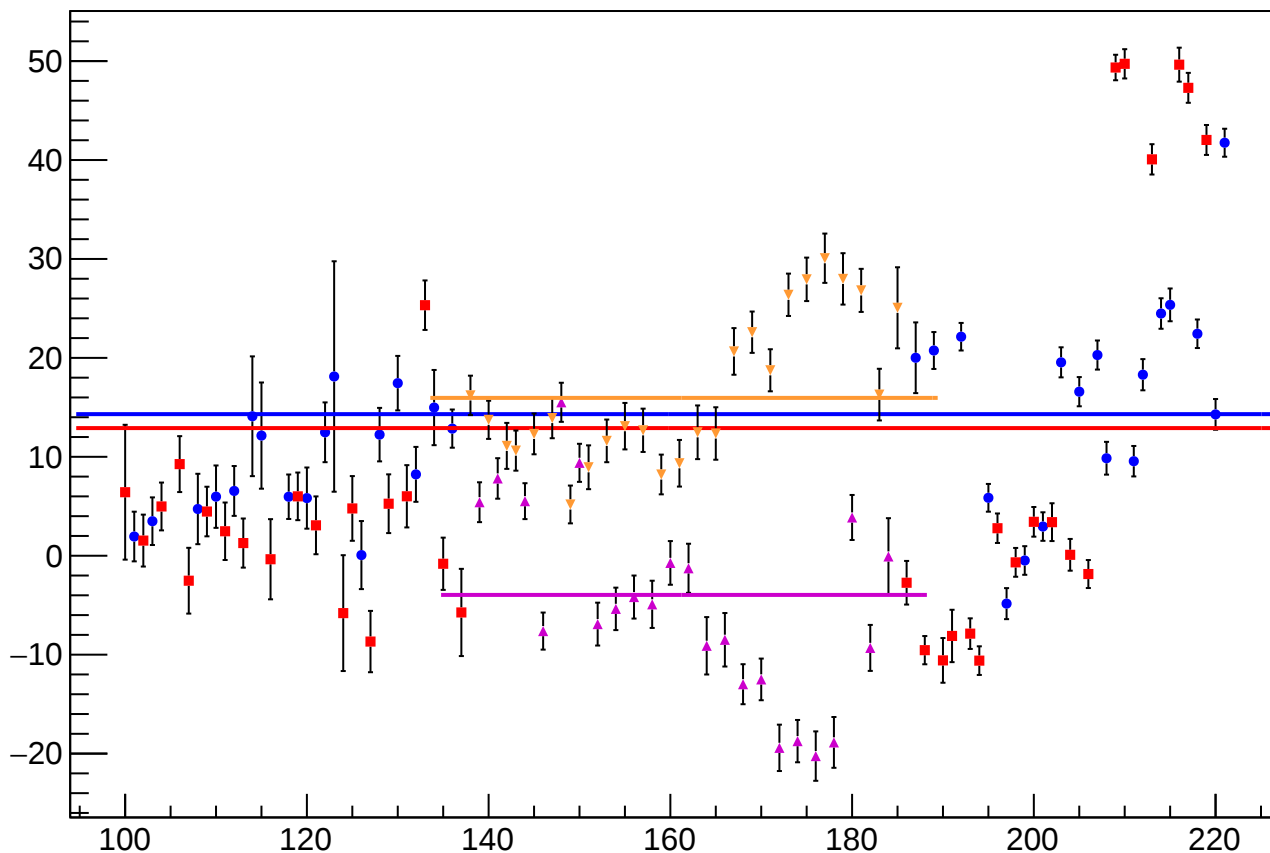
Left In: 2150.190 $\pm$ 0.372 χ^2 /NDF: 911849.7/22

+ sign 1777.749 $\pm$ 0.208 χ^2 /NDF: 3437105.2/59

All: 1763.854 $\pm$ 0.148 χ^2 /NDF: 7138605.5/11

- sign 1749.756 $\pm$ 0.210 χ^2 /NDF: 3692532.2/59

diff_bpm0i01aY_mean vs Slug



Right In: 14.314 ± 0.325 χ^2/NDF : 1062.7/34

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

Right Out: 12.903 ± 0.328 χ^2/NDF : 4636.0/36

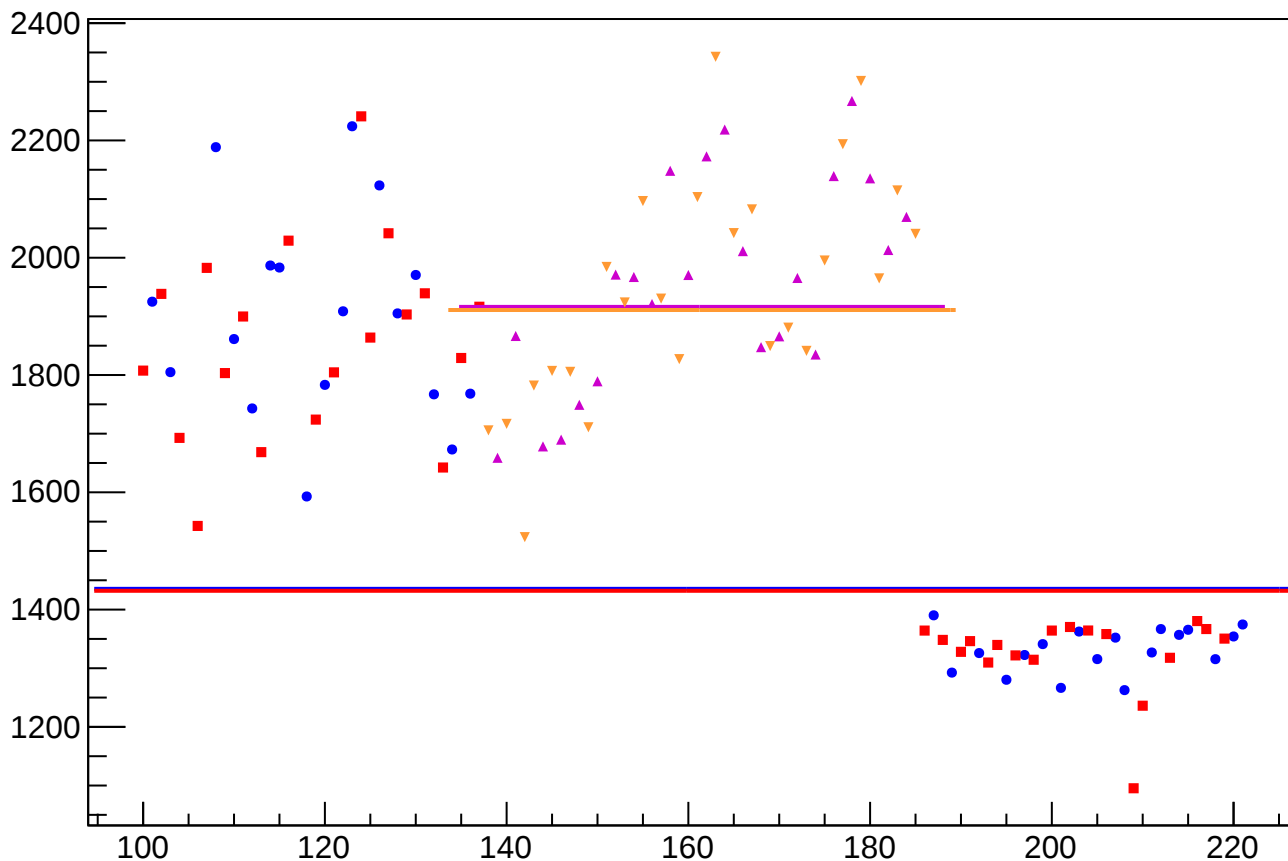
Left In: -3.960 ± 0.463 χ^2/NDF : 464.9/22

+ sign 14.882 ± 0.263 χ^2/NDF : 1316.7/59

All: 11.138 ± 0.188 χ^2/NDF : 7713.2/119

- sign 7.265 ± 0.268 χ^2/NDF : 5984.6/59

diff_bpm0i01aY_rms vs Slug



Right In: 1435.392 $\pm$ 0.230 χ^2 /NDF: 908024.2/34

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

Right Out: 1432.077 $\pm$ 0.232 χ^2 /NDF: 986041.3/36

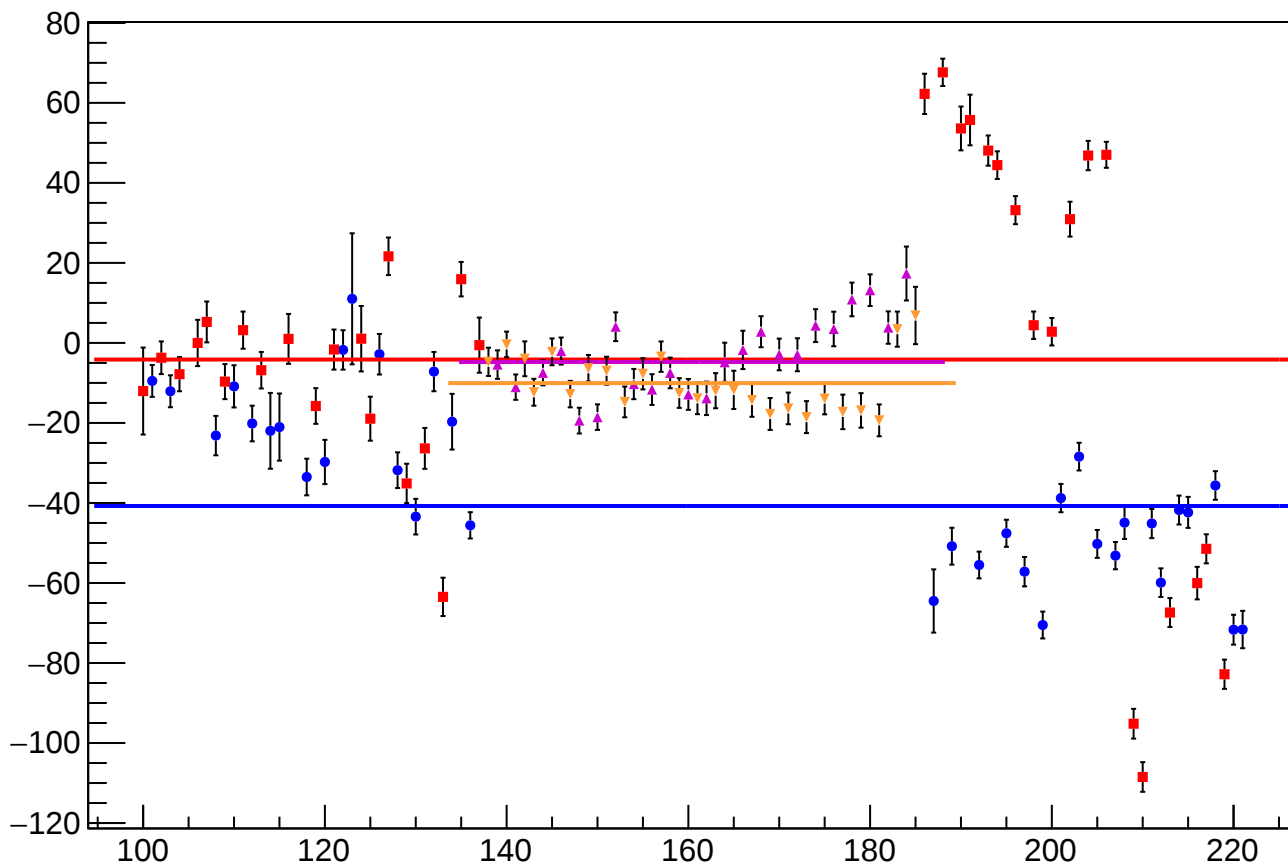
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1599.853 $\pm$ 0.186 χ^2 /NDF: 2714453.3/59

All: 1596.938 $\pm$ 0.133 χ^2 /NDF: 5431691.3/11

- sign 1593.923 $\pm$ 0.189 χ^2 /NDF: 2716738.7/59

diff_bpm0l01X_mean vs Slug



Right In: -40.762 ± 0.710 χ^2/NDF : 701.7/34

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

Right Out: -4.155 ± 0.709 χ^2/NDF : 4642.2/36

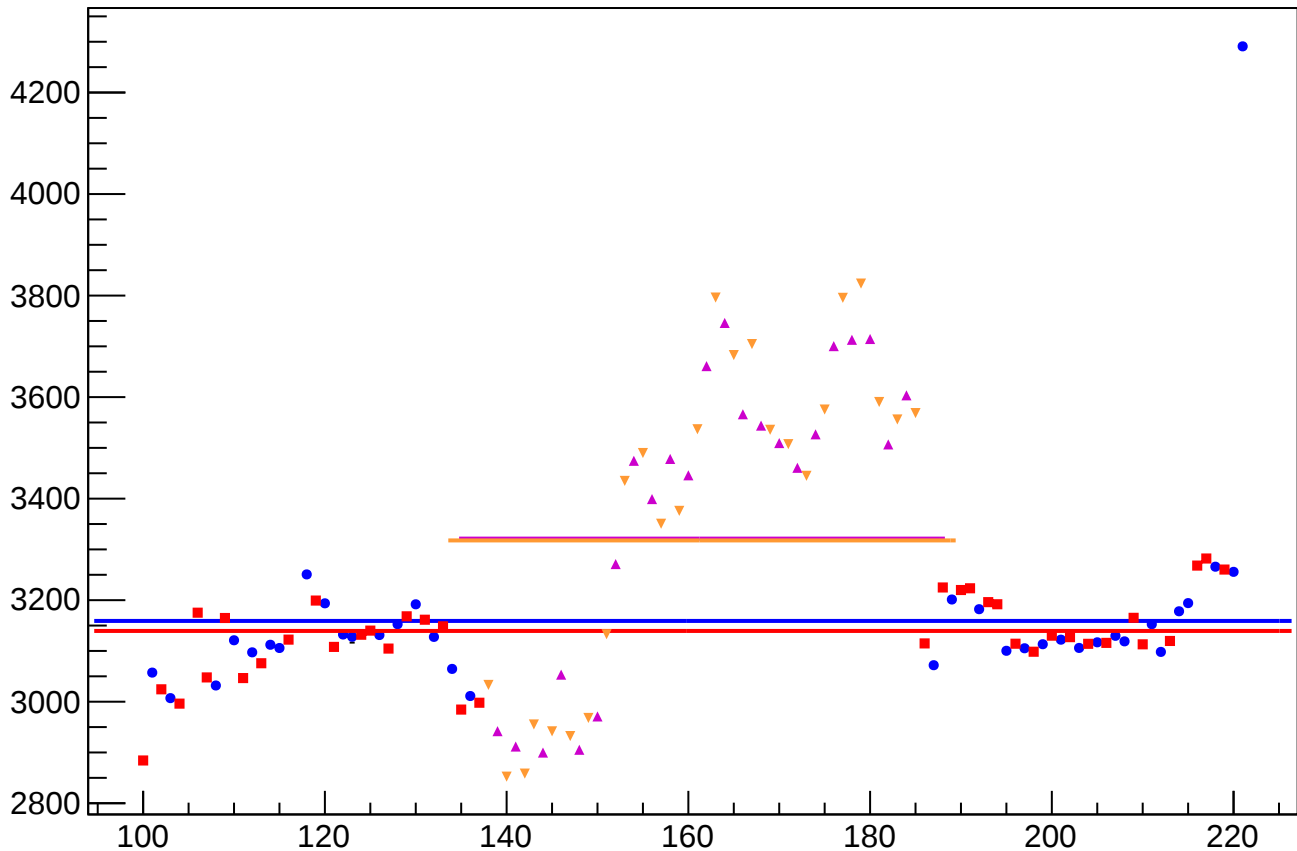
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -26.776 ± 0.524 χ^2/NDF : 1621.8/59

All: -15.750 ± 0.373 χ^2/NDF : 7290.9/119

- sign -4.427 ± 0.531 χ^2/NDF : 4771.0/59

diff_bpm0l01X_rms vs Slug



Right In: 3159.111 $\pm$ 0.502 χ^2 /NDF: 136272.3/34

Left Out: 3317.699 $\pm$ 0.549 χ^2 /NDF: 336877.2/24

Right Out: 3139.387 $\pm$ 0.501 χ^2 /NDF: 22184.1/36

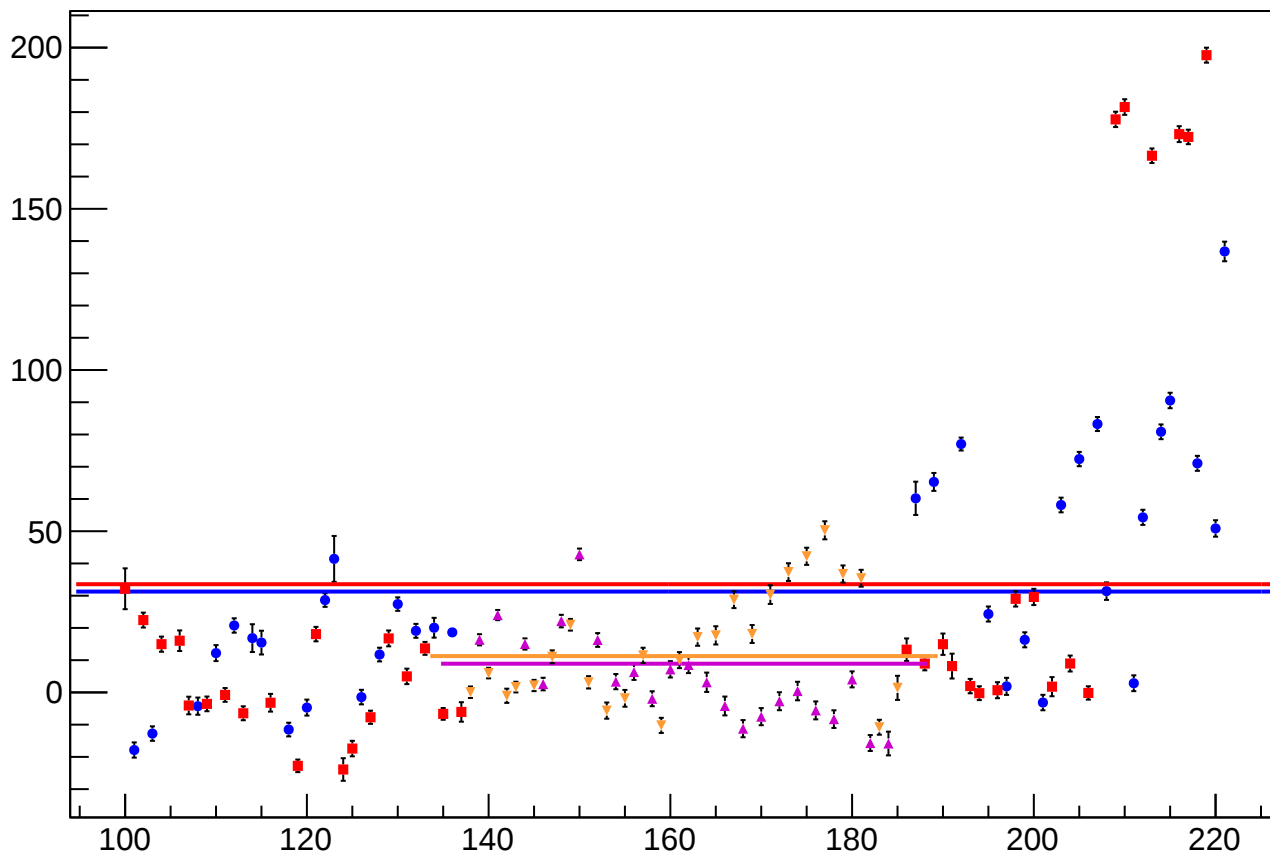
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF: 284334.2/22

+ sign 3231.309 $\pm$ 0.370 χ^2 /NDF: 518612.5/59

All: 3225.420 $\pm$ 0.264 χ^2 /NDF: 883495.4/119

- sign 3219.373 $\pm$ 0.375 χ^2 /NDF: 364370.6/59

diff_bpm0l01Y_mean vs Slug



Right In: 31.282 $\pm$ 0.402 χ^2 /NDF: 7159.6/34

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

Right Out: 33.563 $\pm$ 0.398 χ^2 /NDF: 28456.5/36

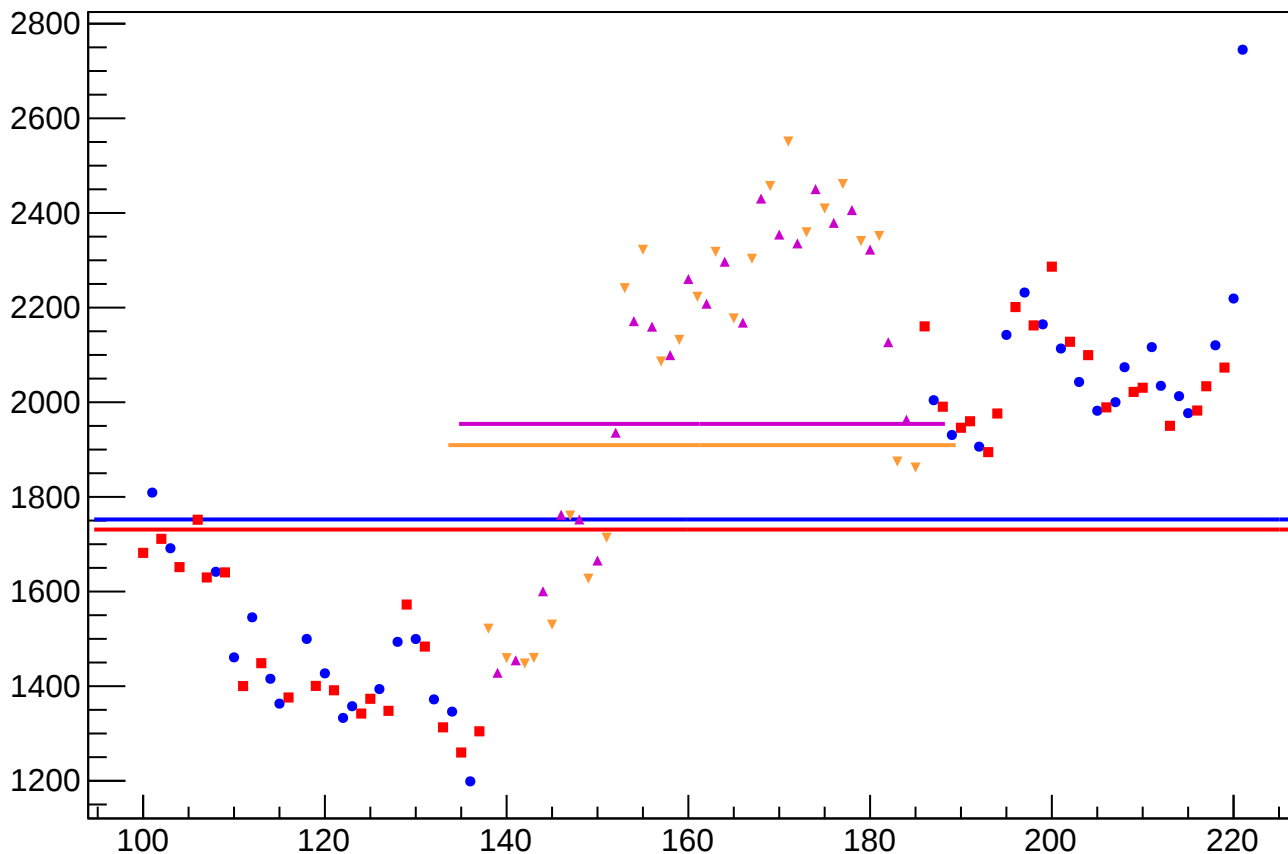
Left In: 8.905 $\pm$ 0.478 χ^2 /NDF: 936.3/22

+ sign 22.490 $\pm$ 0.301 χ^2 /NDF: 9389.4/59

All: 22.962 $\pm$ 0.215 χ^2 /NDF: 40359.9/119

- sign 23.449 $\pm$ 0.306 χ^2 /NDF: 30965.5/59

diff_bpm0l01Y_rms vs Slug



Right In: 1752.329+/-0.284 χ^2/NDF : 1603497.9/34

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

Right Out: 1730.983+/-0.282 χ^2/NDF : 1292740.7/36

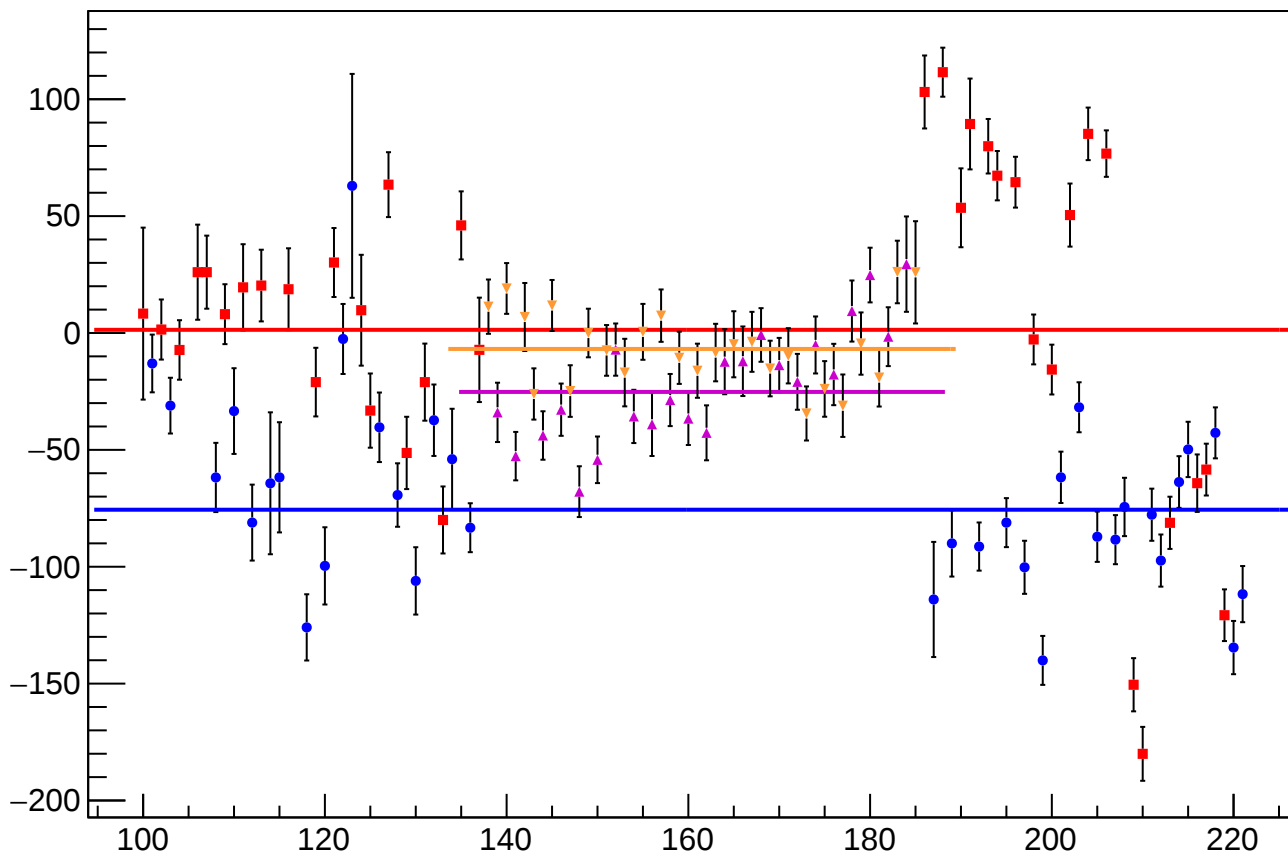
Left In: 1954.236+/-0.338 χ^2/NDF :1044826.7/22

+ sign 1821.319+/-0.213 χ^2/NDF : 3135995.6/59

All: 1821.926+/-0.152 χ^2/NDF : 5731433.9/11

- sign 1822.553+/-0.216 χ^2/NDF : 2595421.8/59

diff_bpm0l02X_mean vs Slug



Right In: -75.607 ± 2.186 χ^2/NDF : 235.8/34

Left Out: -6.825 ± 2.423 χ^2/NDF : 42.3/24

Right Out: 1.357 ± 2.198 χ^2/NDF : 1184.2/36

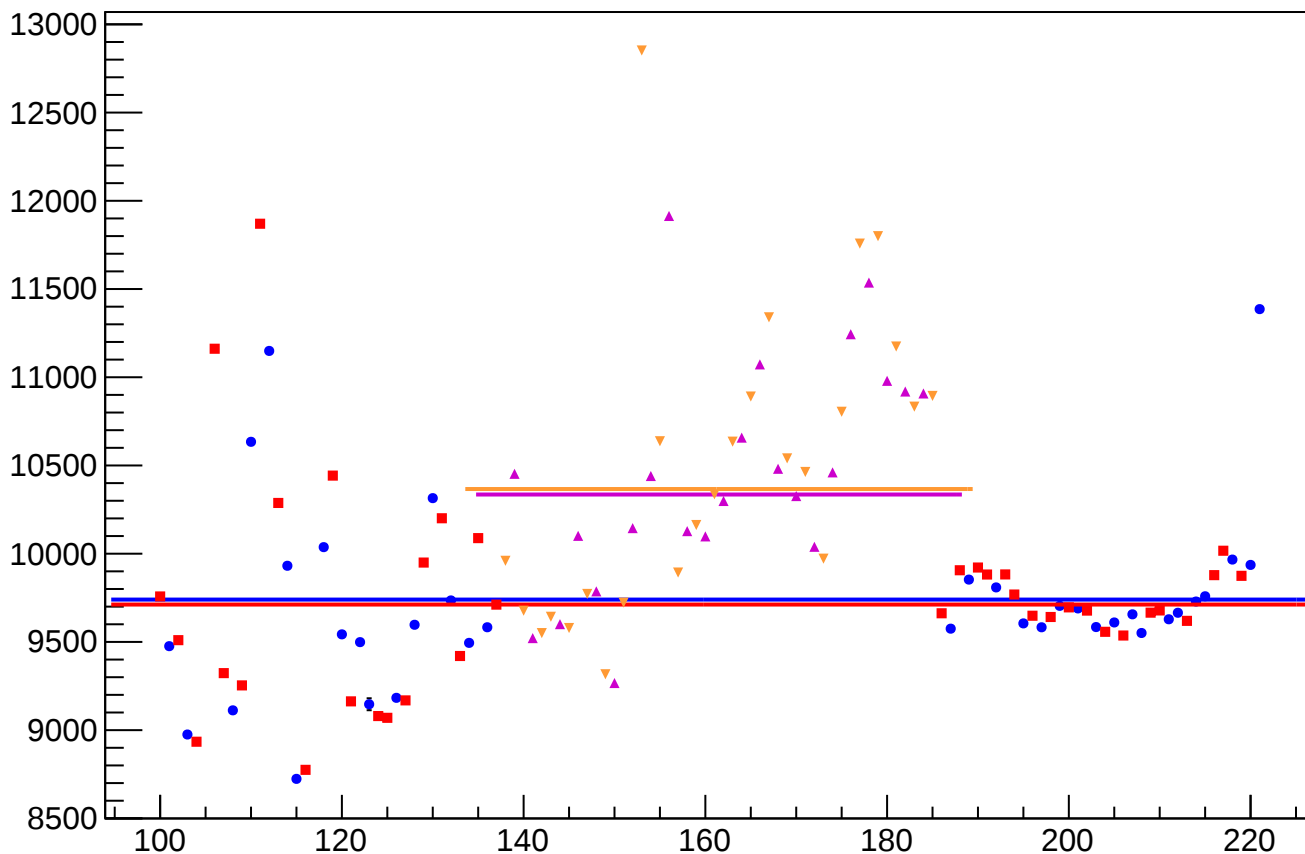
Left In: -25.215 ± 2.487 χ^2/NDF : 89.3/22

+ sign -44.741 ± 1.623 χ^2/NDF : 722.5/59

All: -27.769 ± 1.156 χ^2/NDF : 2282.1/119

- sign -10.295 ± 1.647 χ^2/NDF : 1337.6/59

diff_bpm0l02X_rms vs Slug



Right In: 9739.991 $\pm$ 1.546 χ^2 /NDF: 86947.2/34

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

Right Out: 9711.794 $\pm$ 1.554 χ^2 /NDF: 82999.7/36

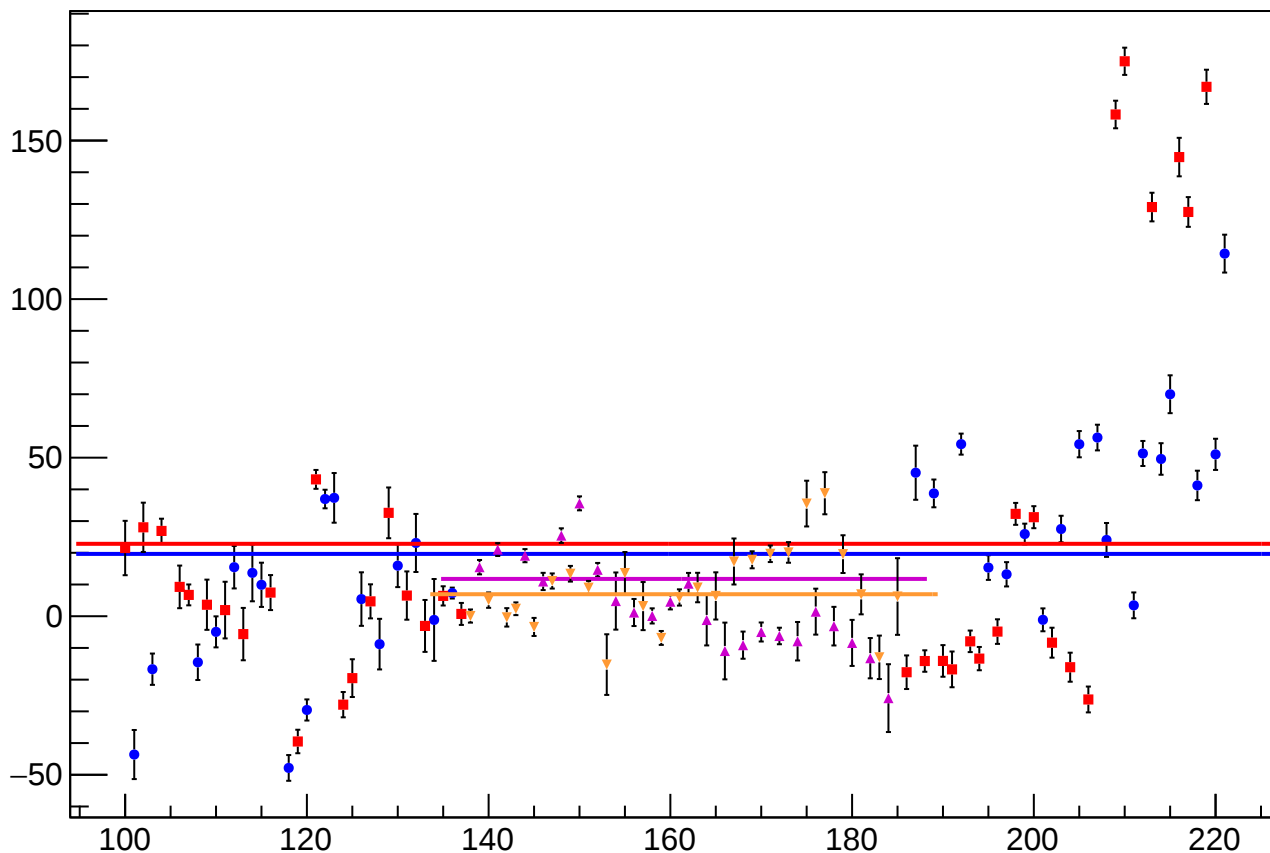
Left In: 10335.399 $\pm$ 1.758 χ^2 /NDF: 127173.0/22

+ sign 10021.156 $\pm$ 1.148 χ^2 /NDF: 372095.3/59

All: 10003.467 $\pm$ 0.817 χ^2 /NDF: 653378.0/1

- sign 9985.255 $\pm$ 1.164 χ^2 /NDF: 280800.4/59

diff_bpm0l02Y_mean vs Slug



Right In: 19.652 ± 0.733 $\chi^2/\text{NDF}: 1626.4/34$

Left Out: 6.939 ± 0.639 $\chi^2/\text{NDF}: 203.8/24$

Right Out: 22.834 ± 0.737 $\chi^2/\text{NDF}: 5879.5/36$

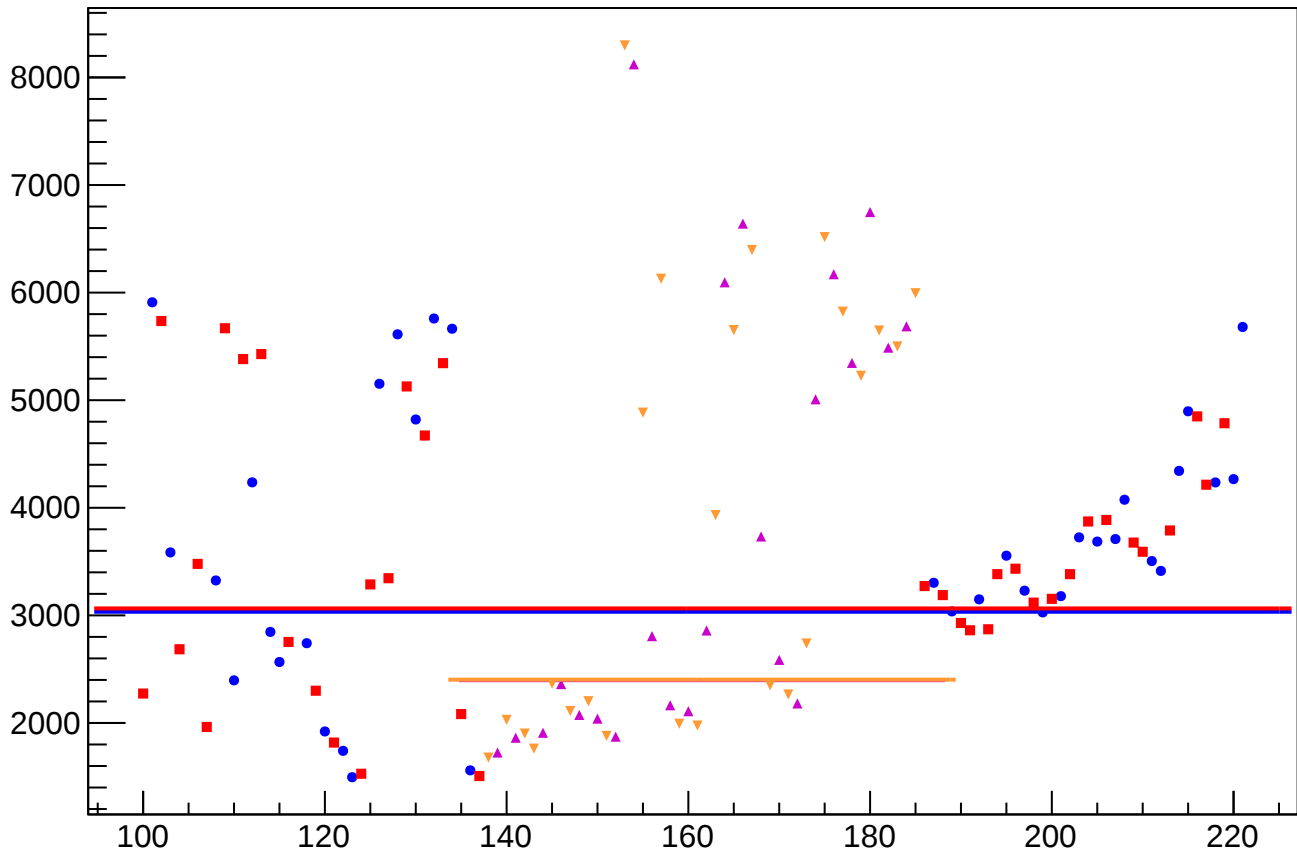
Left In: 11.766 ± 0.648 $\chi^2/\text{NDF}: 395.1/22$

+ sign 12.423 ± 0.482 $\chi^2/\text{NDF}: 2001.2/59$

All: 14.489 ± 0.342 $\chi^2/\text{NDF}: 8440.2/119$

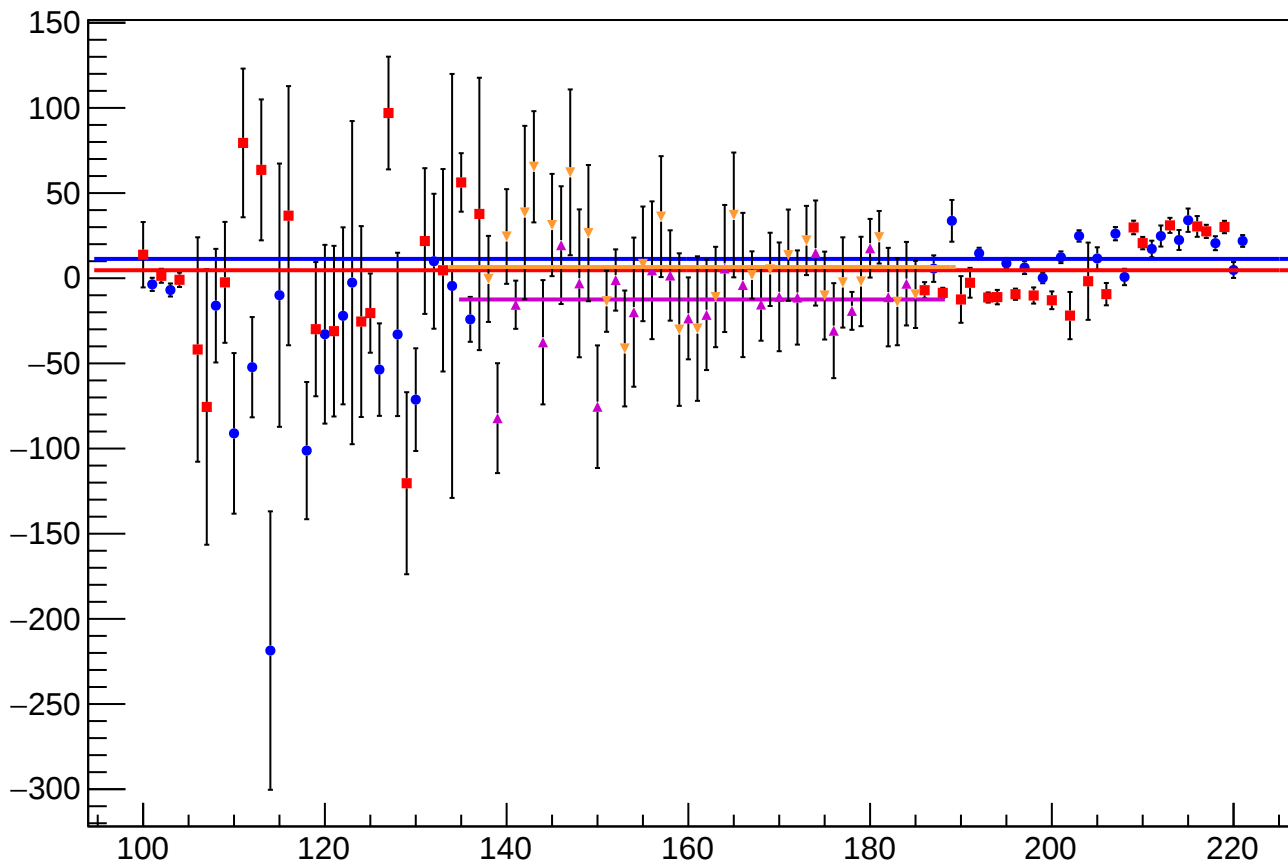
- sign 16.598 ± 0.487 $\chi^2/\text{NDF}: 6401.9/59$

diff_bpm0l02Y_rms vs Slug



Right In: 3033.799+/-0.519	χ^2/NDF : 4634837.3/34	+ sign 2674.752+/-0.341	χ^2/NDF : 11823952.8/59
Left Out: 2402.359+/-0.452	χ^2/NDF : 6345982.8/24		
Right Out: 3064.468+/-0.521	χ^2/NDF : 3579237.2/36	All: 2681.695+/-0.242	χ^2/NDF : 21726365.6/1
Left In: 2397.701+/-0.458	χ^2/NDF : 5398920.1/22	- sign 2688.783+/-0.344	χ^2/NDF : 9901573.0/59

diff_bpm0l03X_mean vs Slug



Right In: 11.343 ± 0.932 $\chi^2/\text{NDF}: 179.1/34$

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

Right Out: 4.697 ± 0.984 $\chi^2/\text{NDF}: 348.6/36$

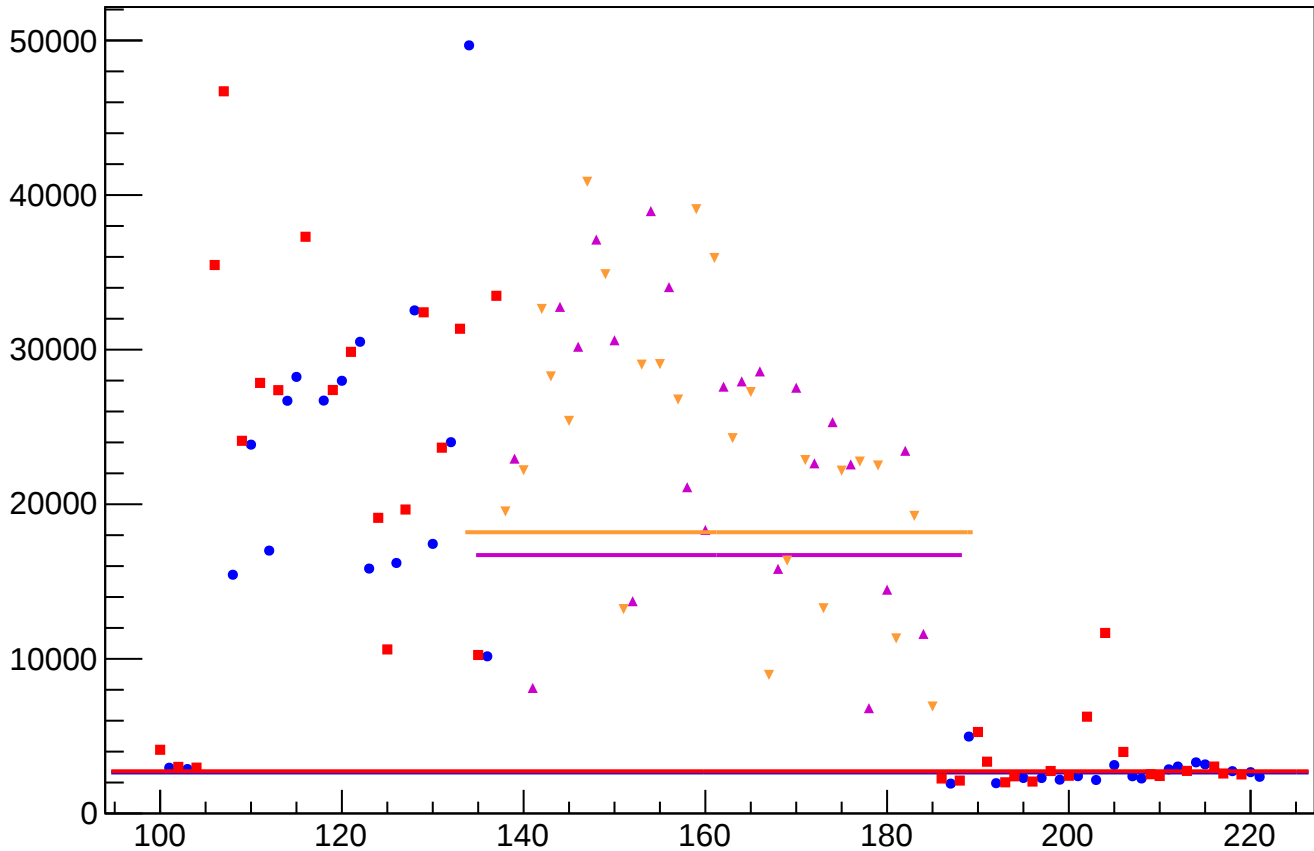
Left In: -12.469 ± 5.025 $\chi^2/\text{NDF}: 15.4/22$

+ sign 11.187 ± 0.917 $\chi^2/\text{NDF}: 196.7/59$

All: 7.810 ± 0.665 $\chi^2/\text{NDF}: 600.6/119$

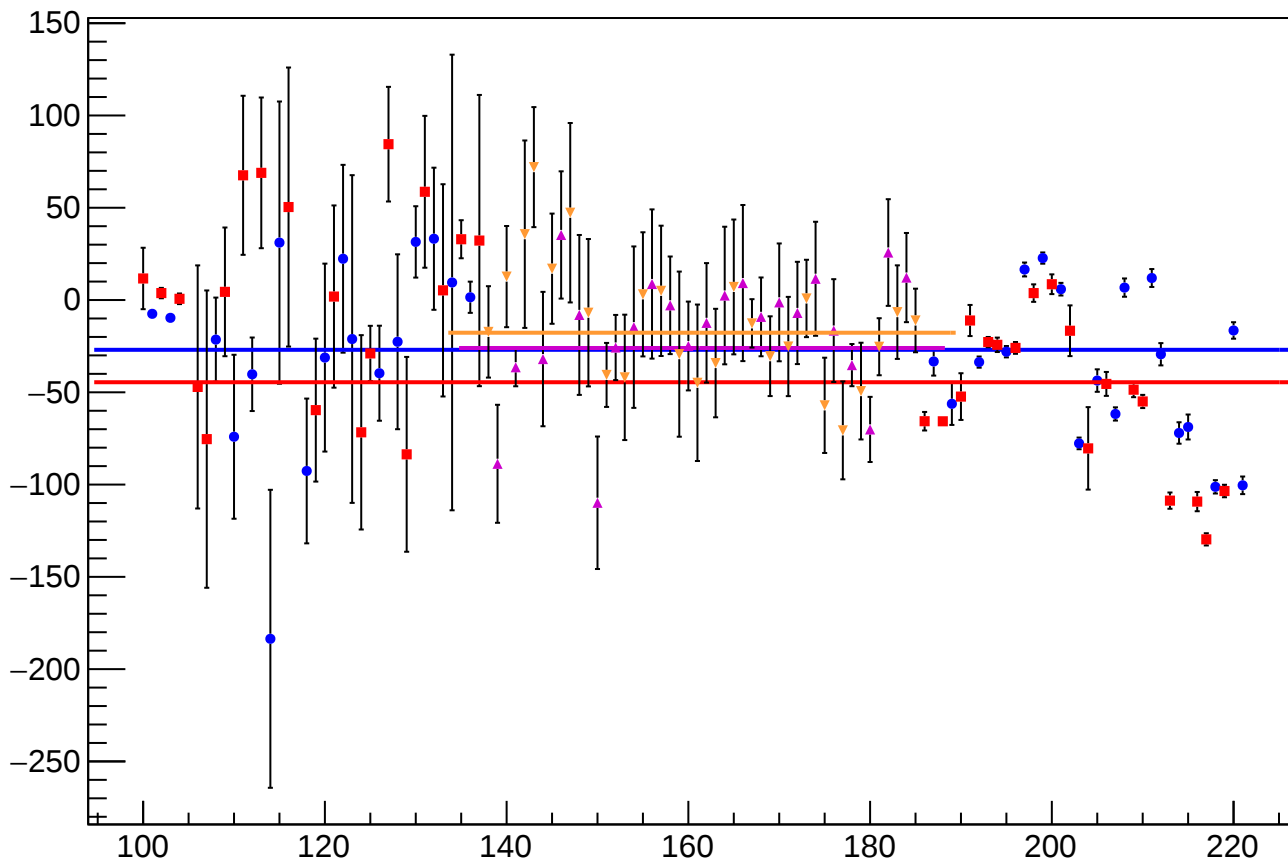
- sign 4.064 ± 0.965 $\chi^2/\text{NDF}: 375.3/59$

diff_bpm0l03X_rms vs Slug



Right In: 2652.309+/-0.659	χ^2/NDF : 7061704.5/34	+ sign 3158.745+/-0.648	χ^2/NDF : 30442519.3/59
Left Out: 18190.387+/-3.590	χ^2/NDF : 5261328.5/24	All: 3199.075+/-0.470	χ^2/NDF : 60659086.3/31
Right Out: 2727.697+/-0.696	χ^2/NDF : 9094363.6/36	- sign 3243.802+/-0.683	χ^2/NDF : 30208402.2/59
Left In: 16713.653+/-3.553	χ^2/NDF : 6194178.8/22		

diff_bpm0l03Y_mean vs Slug



Right In: -26.974 ± 0.859 χ^2/NDF : 1866.9/34

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

Right Out: -44.545 ± 0.884 χ^2/NDF : 2422.8/36

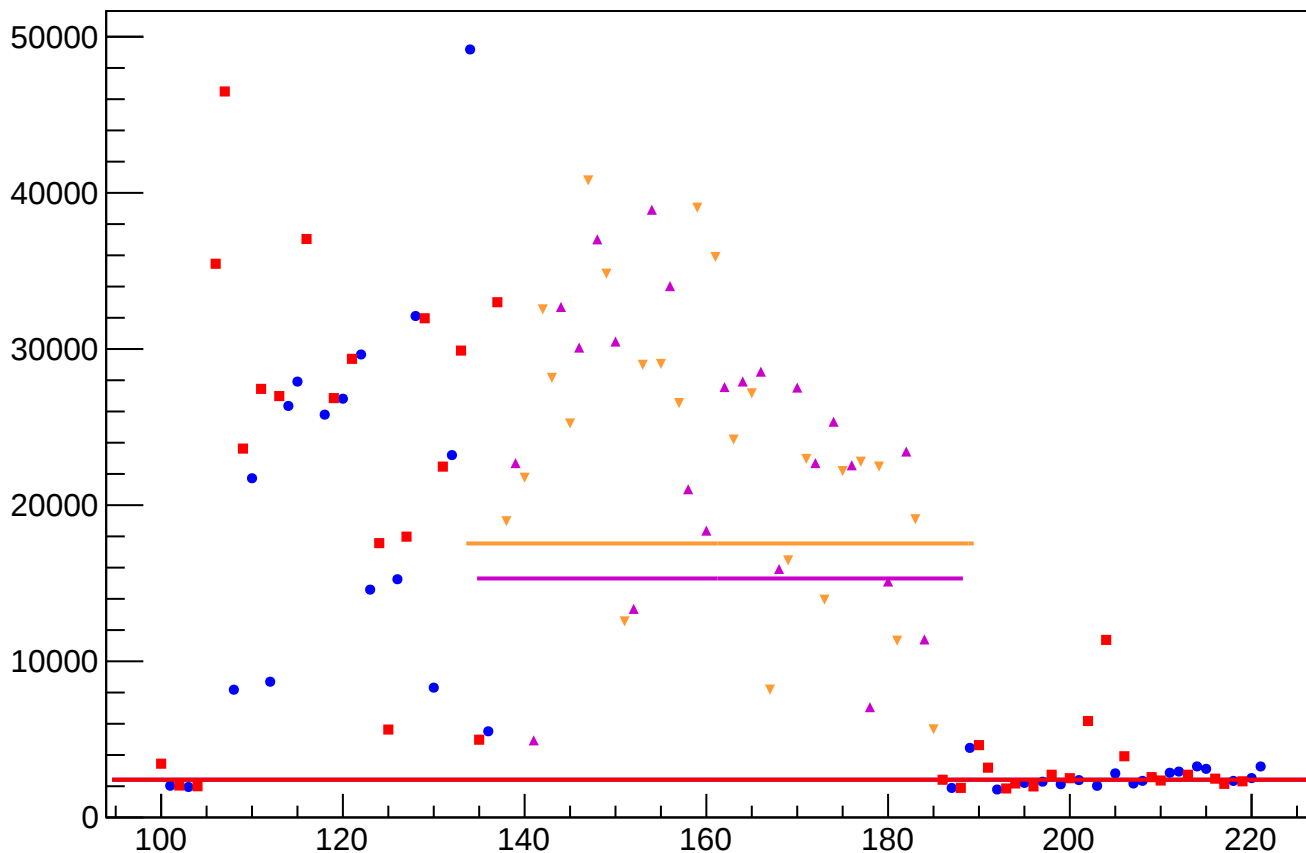
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -26.706 ± 0.846 χ^2/NDF : 1897.4/59

All: -35.084 ± 0.606 χ^2/NDF : 4568.8/119

- sign -43.933 ± 0.870 χ^2/NDF : 2469.9/59

diff_bpm0l03Y_rms vs Slug



Right In: 2418.013+/-0.607 χ^2/NDF : 5995989.5/34

Left Out: 17546.173+/-3.517 χ^2/NDF : 5902620.4/24

Right Out: 2417.266+/-0.625 χ^2/NDF : 8776493.5/36

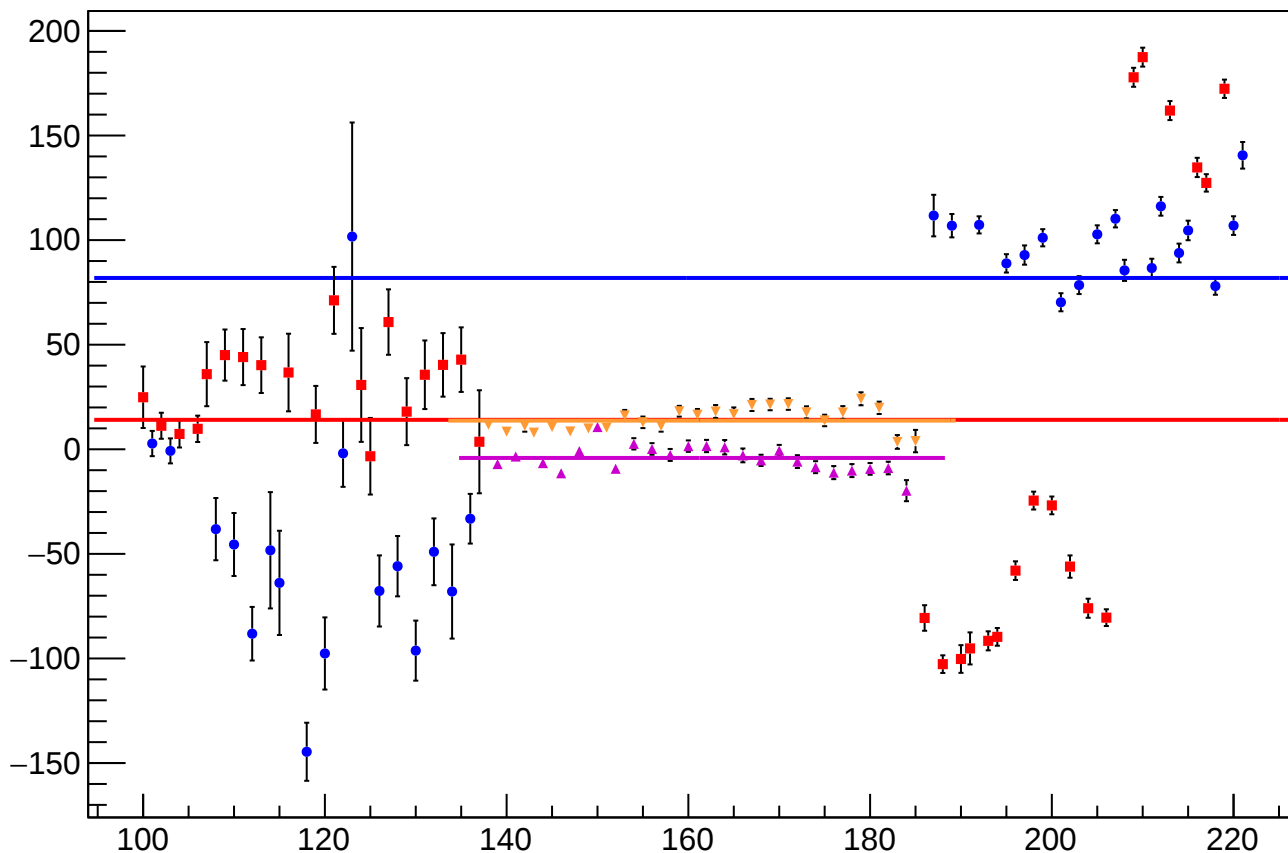
Left In: 15305.311+/-3.386 χ^2/NDF : 7721177.0/22

+ sign 2855.798+/-0.598 χ^2/NDF : 29862383.8/59

All: 2849.247+/-0.429 χ^2/NDF : 60368135.5/1

- sign 2842.327+/-0.615 χ^2/NDF : 30505505.2/59

diff_bpm0l04X_mean vs Slug



Right In: 81.907 ± 1.020 $\chi^2/\text{NDF}: 2046.5/34$

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

Right Out: 14.082 ± 1.012 $\chi^2/\text{NDF}: 10816.3/36$

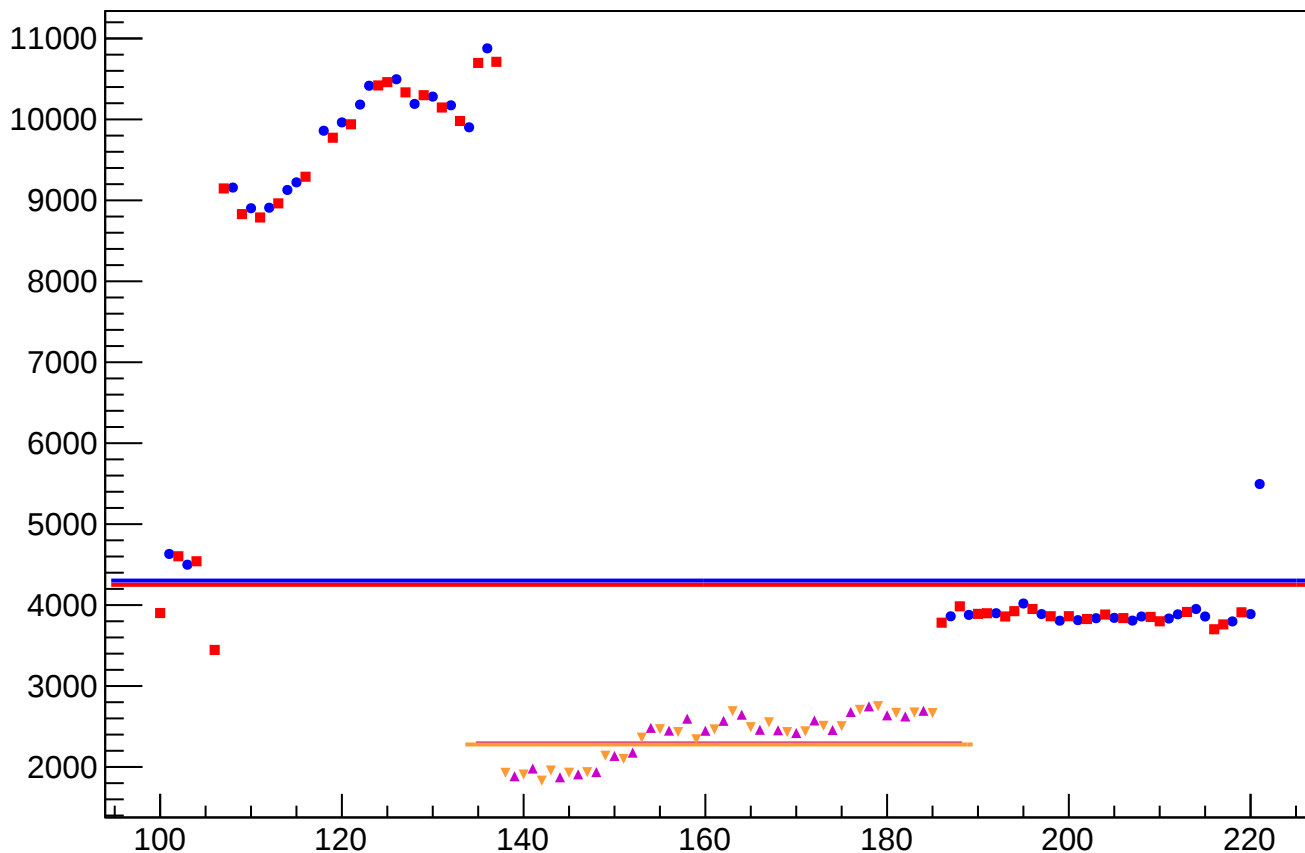
Left In: -4.141 ± 0.555 $\chi^2/\text{NDF}: 111.7/22$

+ sign 28.432 ± 0.474 $\chi^2/\text{NDF}: 5640.9/59$

All: 14.621 ± 0.339 $\chi^2/\text{NDF}: 18561.7/119$

- sign 0.069 ± 0.487 $\chi^2/\text{NDF}: 11177.1/59$

diff_bpm0l04X_rms vs Slug



Right In: 4302.848 $\pm$ 0.721 χ^2 /NDF: 3980530.4/34

Left Out: 2278.115 $\pm$ 0.378 χ^2 /NDF: 607109.4/24

Right Out: 4250.361 $\pm$ 0.716 χ^2 /NDF: 3948145.7/36

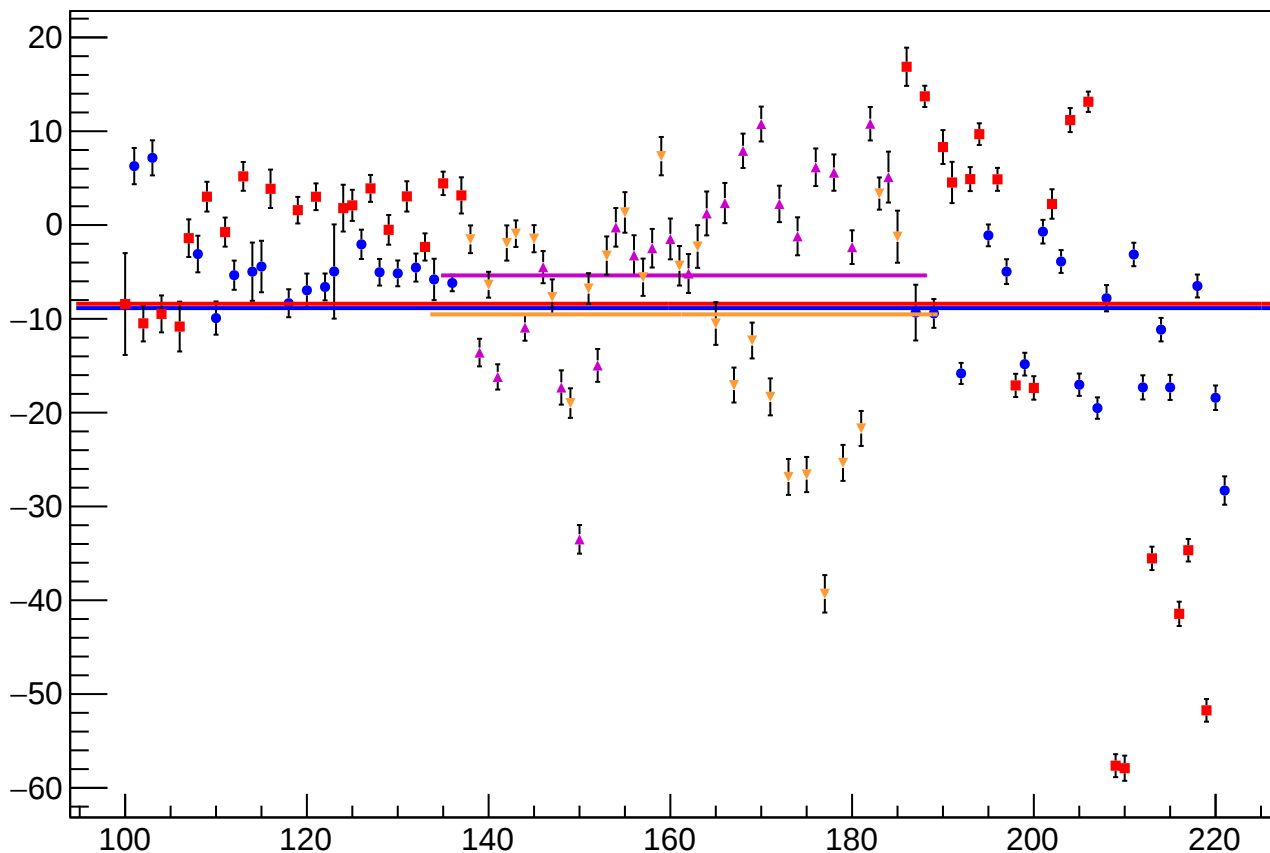
Left In: 2290.461 $\pm$ 0.392 χ^2 /NDF: 590272.1/22

+ sign 2715.199 $\pm$ 0.335 χ^2 /NDF: 10765648.7/59

All: 2728.819 $\pm$ 0.240 χ^2 /NDF: 21072589.8/100

- sign 2743.171 $\pm$ 0.344 χ^2 /NDF: 10303549.2/59

diff_bpm0l04Y_mean vs Slug



Right In: -8.857 ± 0.241 χ^2/NDF : 850.3/34

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

Right Out: -8.391 ± 0.241 χ^2/NDF : 8454.4/36

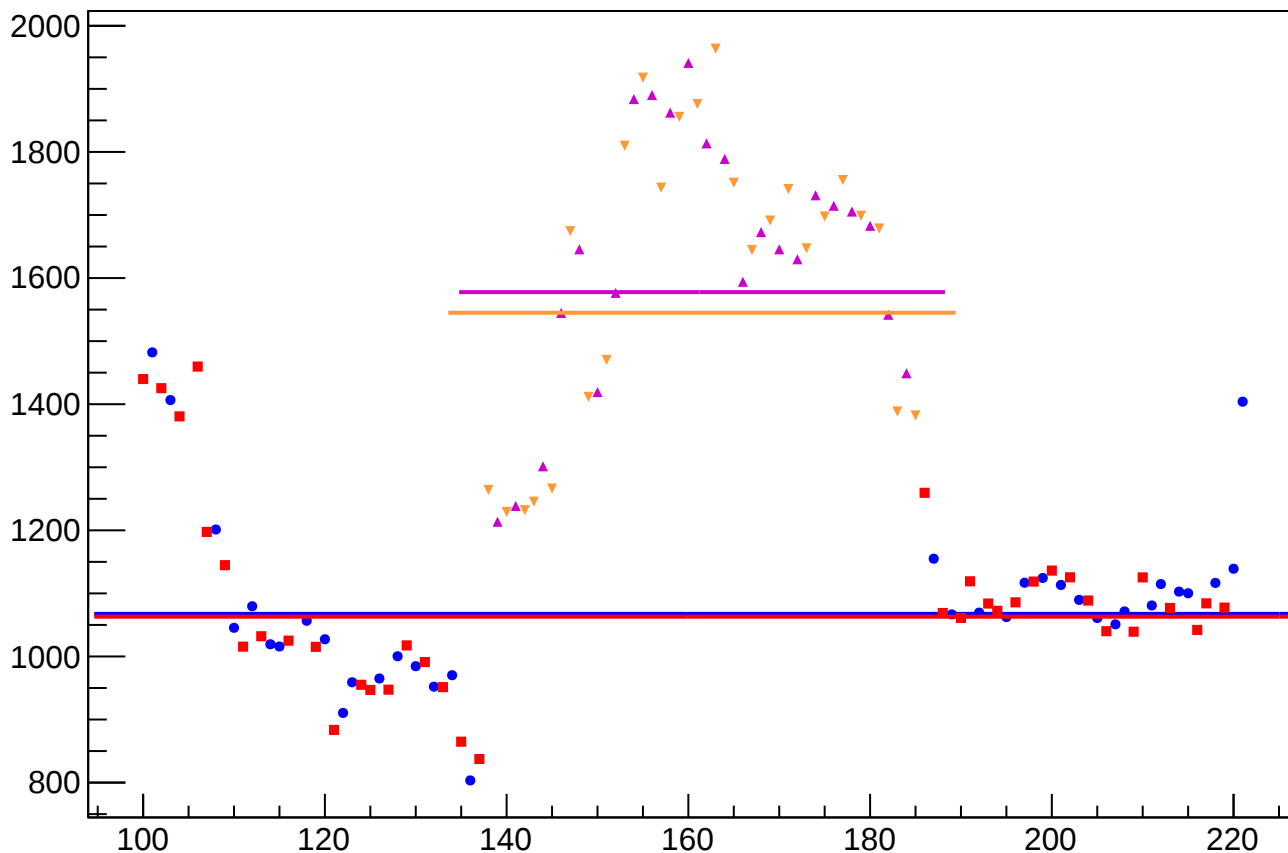
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -9.060 ± 0.201 χ^2/NDF : 1736.7/59

All: -8.308 ± 0.143 χ^2/NDF : 11133.8/119

- sign -7.532 ± 0.204 χ^2/NDF : 9368.7/59

diff_bpm0l04Y_rms vs Slug



Right In: 1067.547 $\pm$ 0.170 χ^2/NDF : 539058.8/34

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

Right Out: 1063.046 $\pm$ 0.171 χ^2/NDF : 394596.1/36

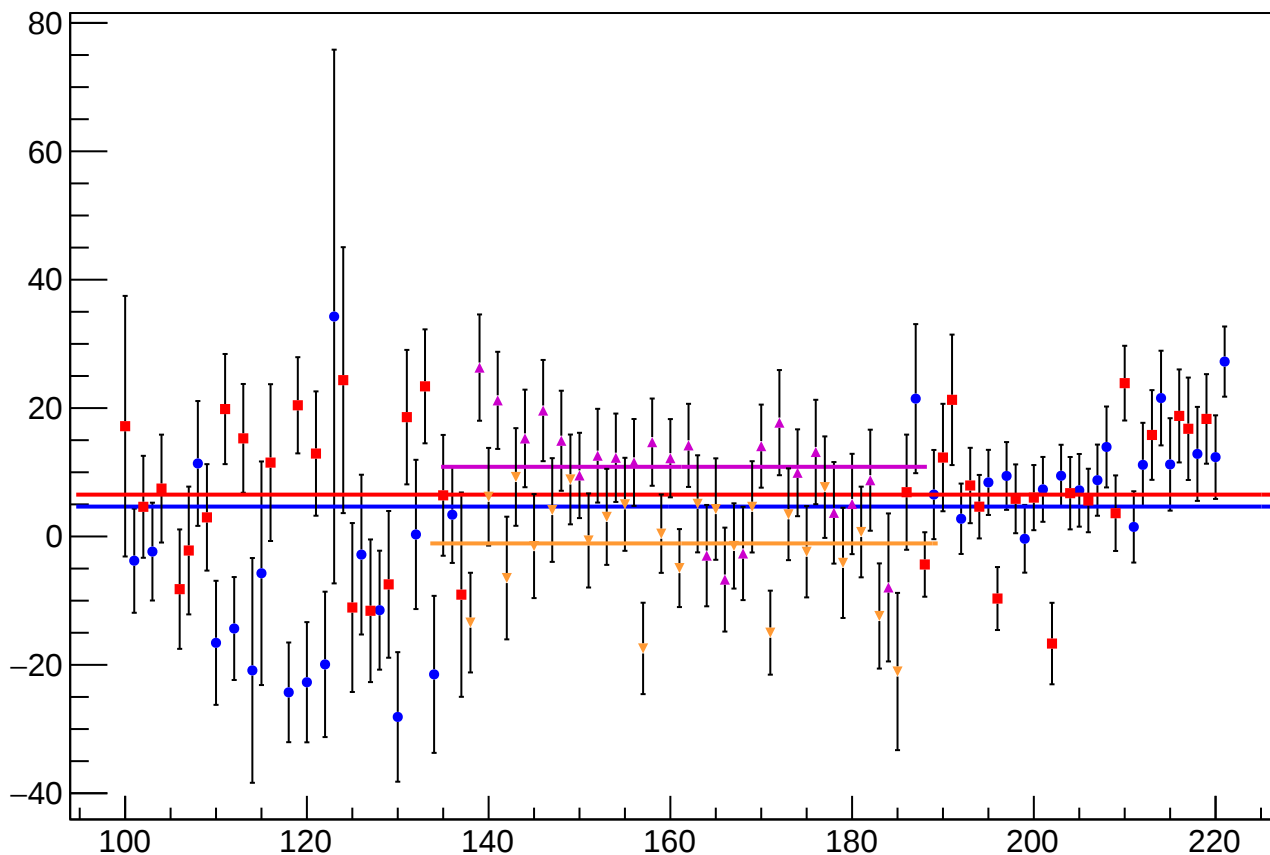
Left In: 1577.685 $\pm$ 0.271 χ^2/NDF : 625406.2/22

+ sign 1212.678 $\pm$ 0.142 χ^2/NDF : 3767319.7/59

All: 1211.082 $\pm$ 0.101 χ^2/NDF : 7372809.4/11

- sign 1209.436 $\pm$ 0.144 χ^2/NDF : 3605233.8/59

diff_bpm0l05X_mean vs Slug



Right In: 4.656 ± 1.209 $\chi^2/\text{NDF}: 97.5/34$

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

Right Out: 6.518 ± 1.209 $\chi^2/\text{NDF}: 74.0/36$

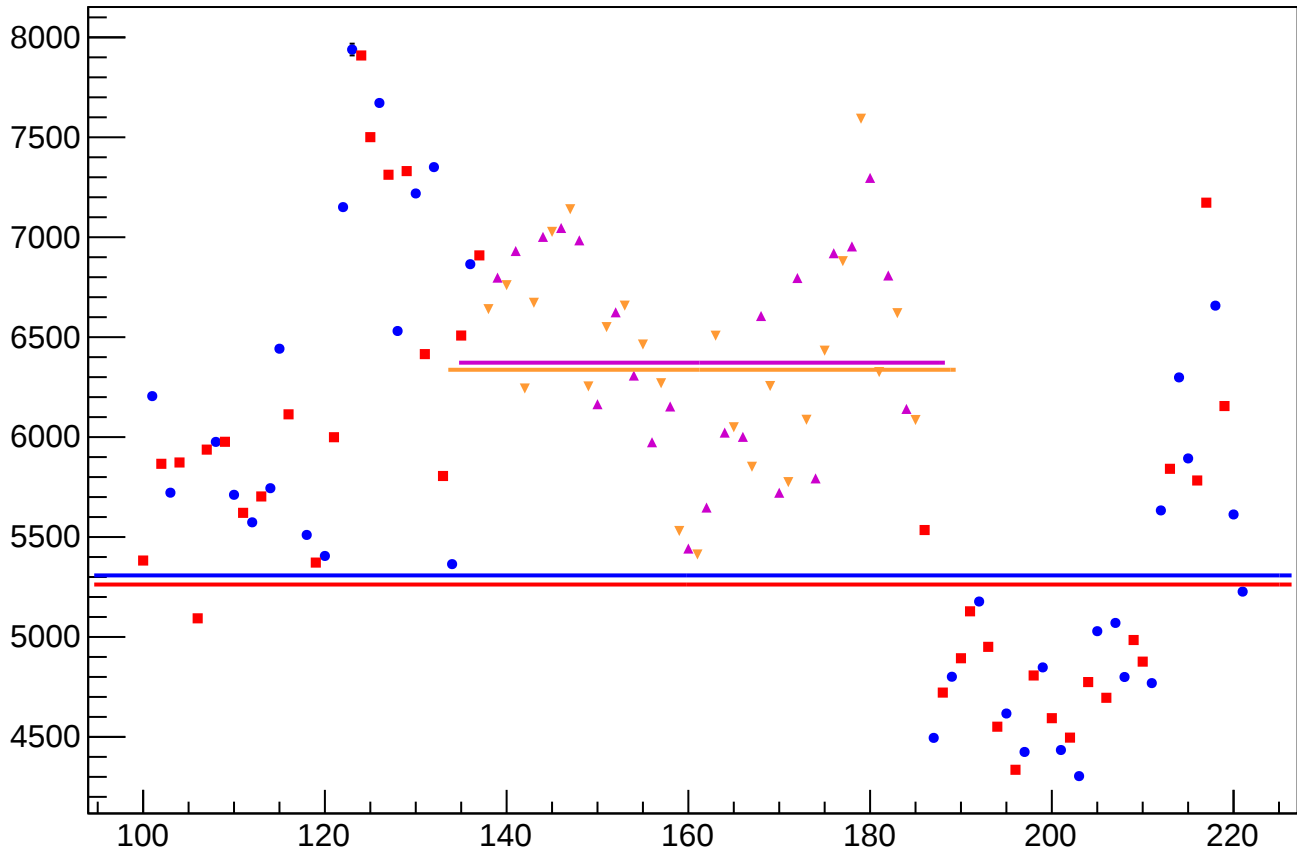
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

+ sign 2.372 ± 0.938 $\chi^2/\text{NDF}: 134.0/59$

All: 5.230 ± 0.668 $\chi^2/\text{NDF}: 256.1/119$

- sign 8.168 ± 0.951 $\chi^2/\text{NDF}: 103.3/59$

diff_bpm0l05X_rms vs Slug



Right In: 5307.984 $\pm$ 0.855 χ^2 /NDF: 887693.6/34

Left Out: 6336.876 $\pm$ 1.052 χ^2 /NDF: 222912.5/24

Right Out: 5262.372 $\pm$ 0.855 χ^2 /NDF: 841843.9/36

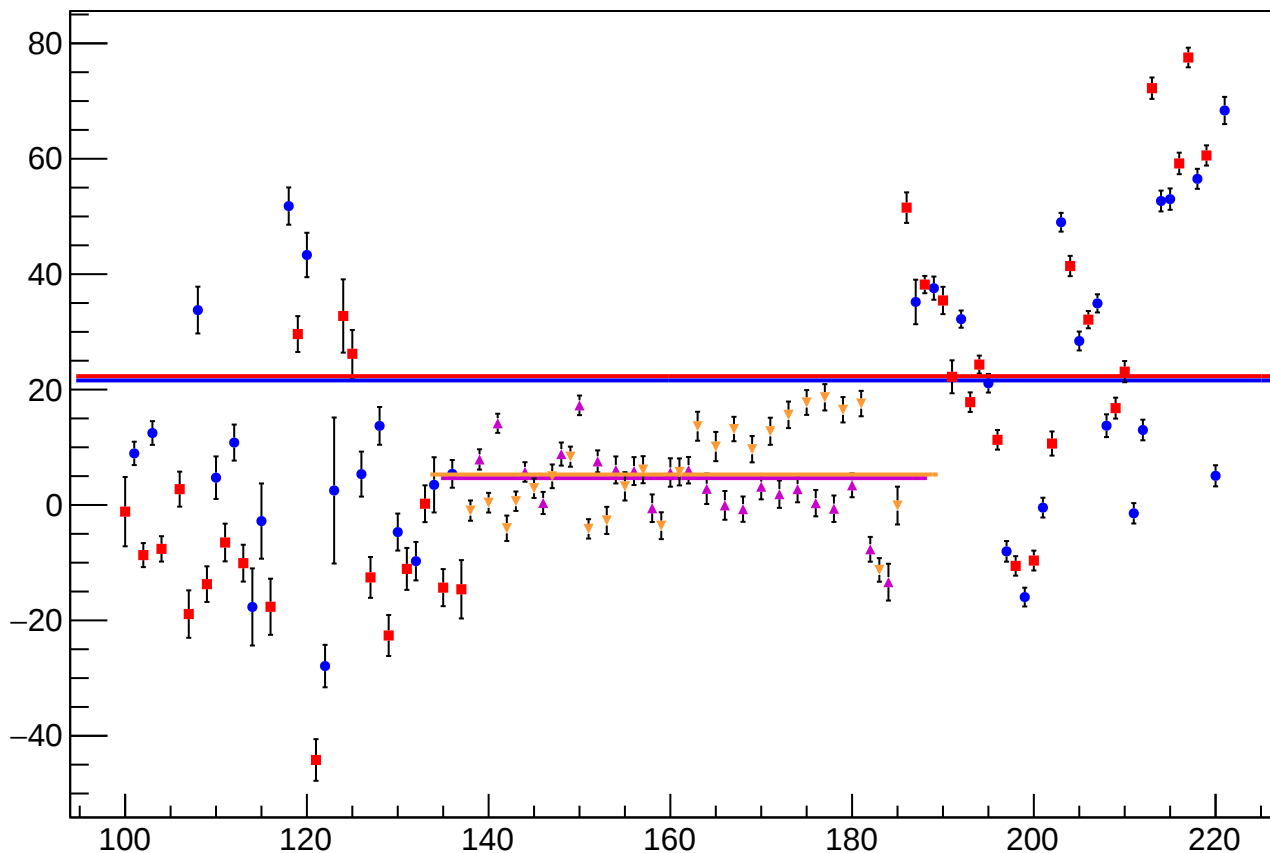
Left In: 6372.349 $\pm$ 1.090 χ^2 /NDF: 247257.0/22

+ sign 5717.425 $\pm$ 0.663 χ^2 /NDF: 1686968.4/59

All: 5701.363 $\pm$ 0.472 χ^2 /NDF: 3419428.5/11

- sign 5684.854 $\pm$ 0.673 χ^2 /NDF: 1731271.3/59

diff_bpm0l05Y_mean vs Slug



Right In: 21.587 $\pm$ 0.372 χ^2 /NDF: 3838.6/34

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

Right Out: 22.324 $\pm$ 0.372 χ^2 /NDF: 5756.5/36

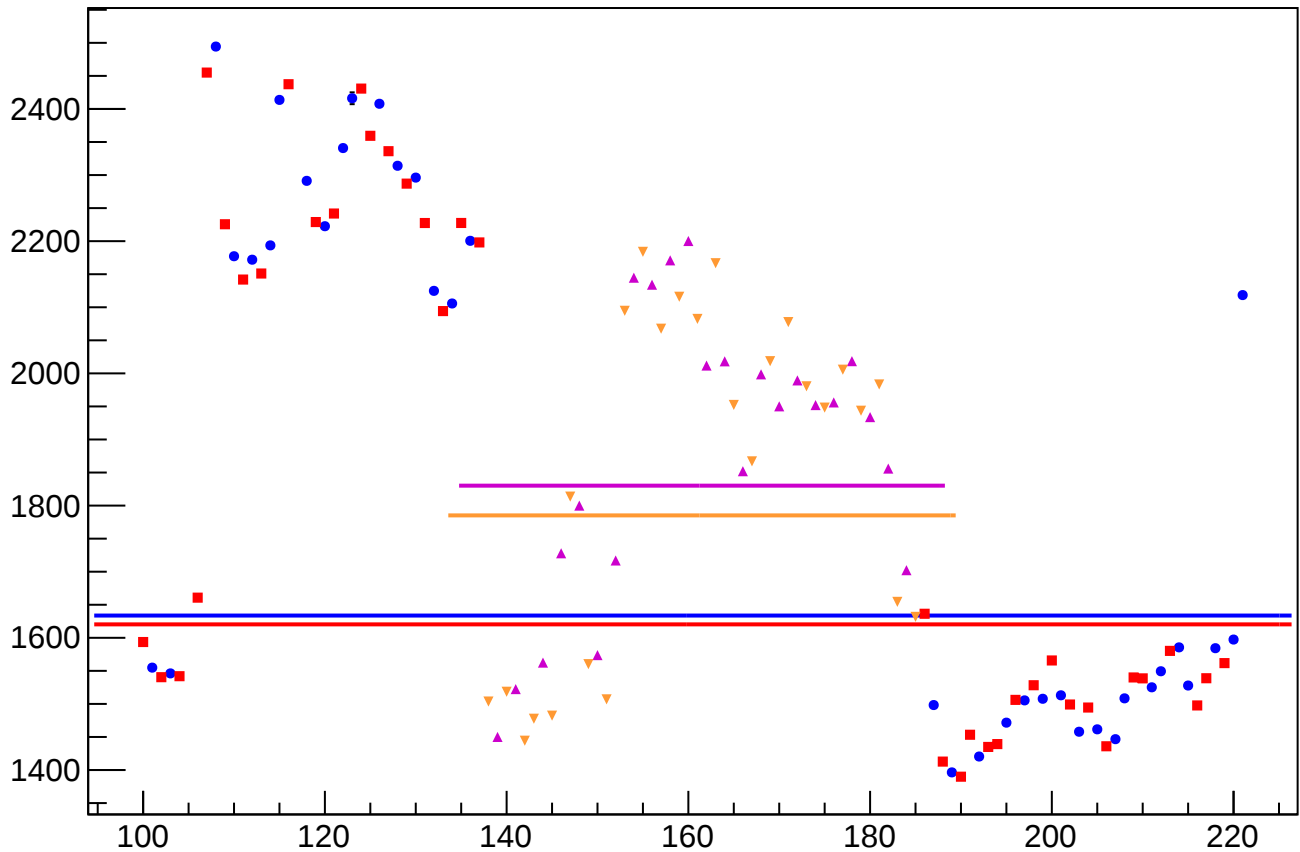
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF: 196.5/22

+ sign 14.423 $\pm$ 0.279 χ^2 /NDF: 5046.5/59

All: 14.722 $\pm$ 0.199 χ^2 /NDF: 11934.6/119

- sign 15.034 $\pm$ 0.285 χ^2 /NDF: 6885.8/59

diff_bpm0l05Y_rms vs Slug



Right In: 1633.669 $\pm$ 0.263 χ^2 /NDF: 1191226.7/34

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

Right Out: 1620.326 $\pm$ 0.263 χ^2 /NDF: 1114233.0/36

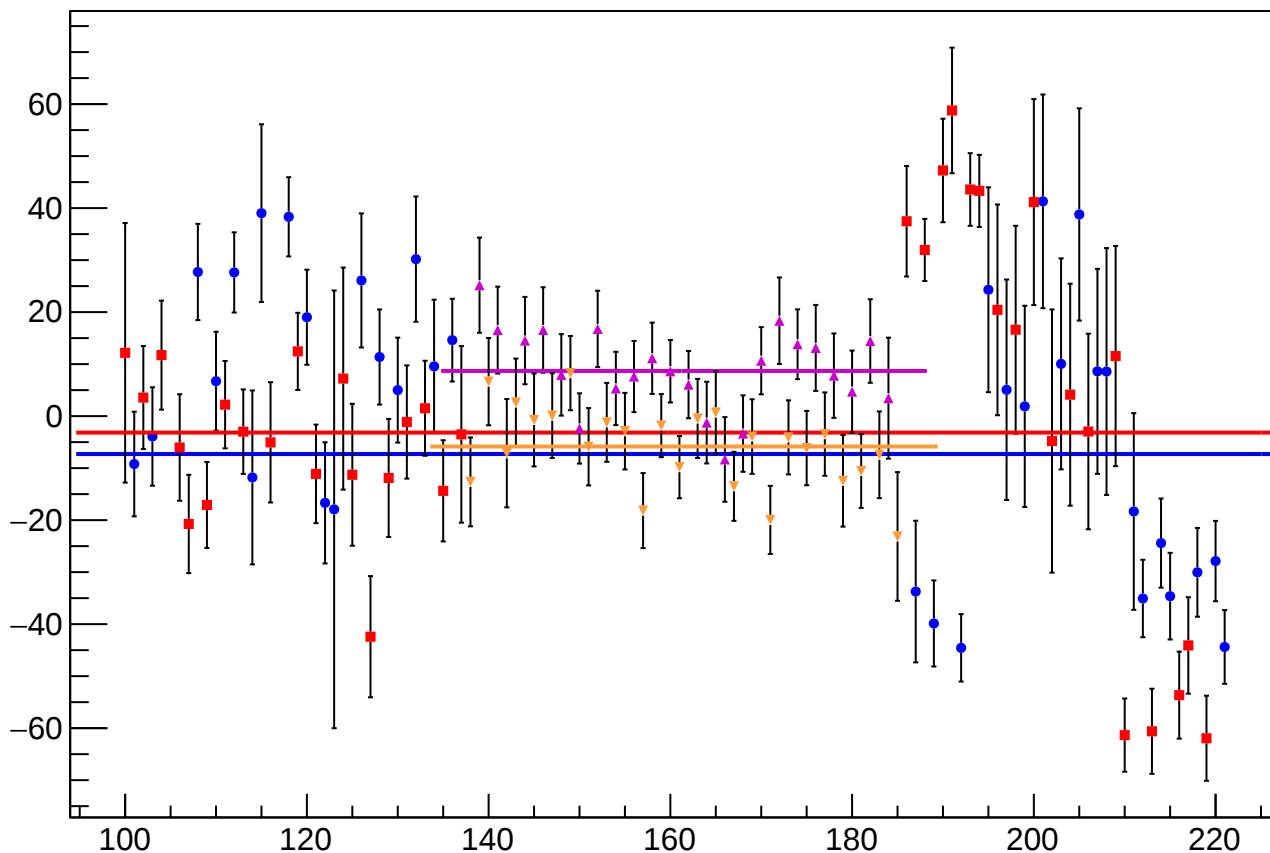
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

+ sign 1700.244 $\pm$ 0.197 χ^2 /NDF: 2087283.5/59

All: 1703.508 $\pm$ 0.141 χ^2 /NDF: 3973627.0/11

- sign 1706.913 $\pm$ 0.201 χ^2 /NDF: 1885783.5/59

diff_bpm0l06X_mean vs Slug



Right In: -7.287 ± 1.759 χ^2/NDF : 259.4/34

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

Right Out: -3.164 ± 1.651 χ^2/NDF : 452.8/36

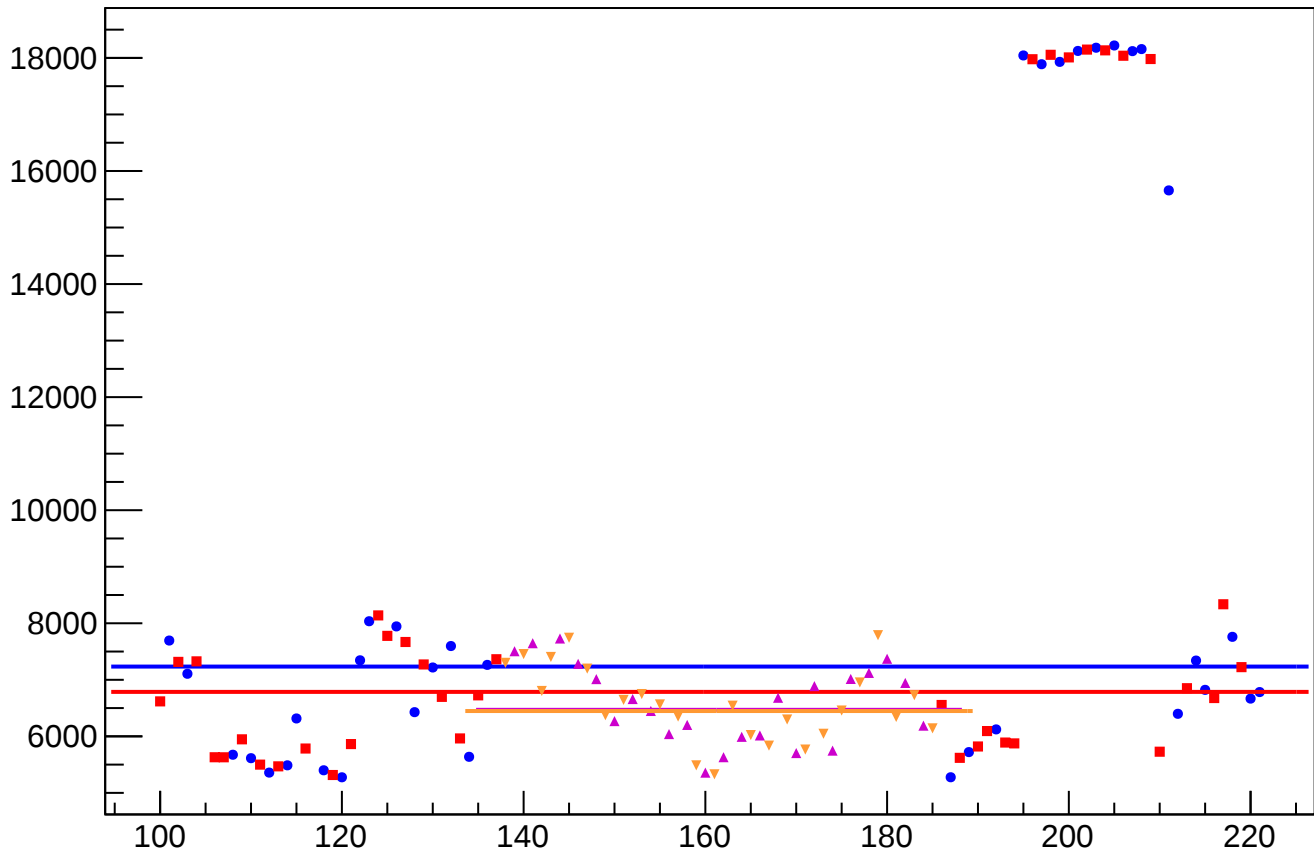
Left In: 8.683 ± 1.571 χ^2/NDF : 21.9/22

+ sign -6.458 ± 1.149 χ^2/NDF : 283.1/59

All: -1.655 ± 0.809 χ^2/NDF : 819.4/119

- sign 3.054 ± 1.138 χ^2/NDF : 501.8/59

diff_bpm0l06X_rms vs Slug



Right In: 7234.043 $\pm$ 1.243 χ^2 /NDF: 5624493.2/34

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

Right Out: 6786.334 $\pm$ 1.167 χ^2 /NDF: 4761415.5/36

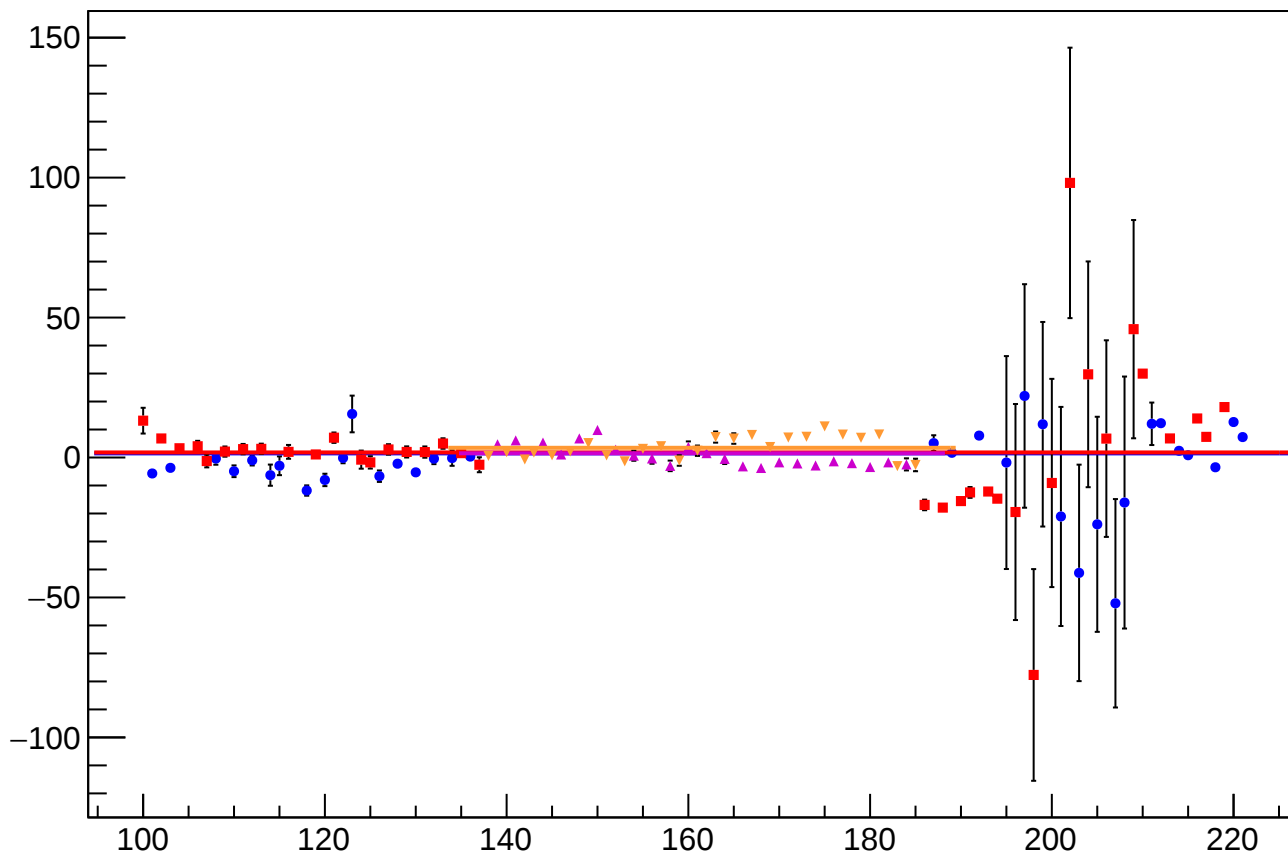
Left In: 6468.902 $\pm$ 1.111 χ^2 /NDF: 383325.4/22

+ sign 6783.538 $\pm$ 0.813 χ^2 /NDF: 6225269.8/59

All: 6700.816 $\pm$ 0.572 χ^2 /NDF: 11429349.1/114

- sign 6619.725 $\pm$ 0.805 χ^2 /NDF: 5183558.8/59

diff_bpm0l06Y_mean vs Slug



Right In: 1.472 ± 0.309 χ^2/NDF : 420.1/34

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

Right Out: 1.811 ± 0.290 χ^2/NDF : 1817.5/36

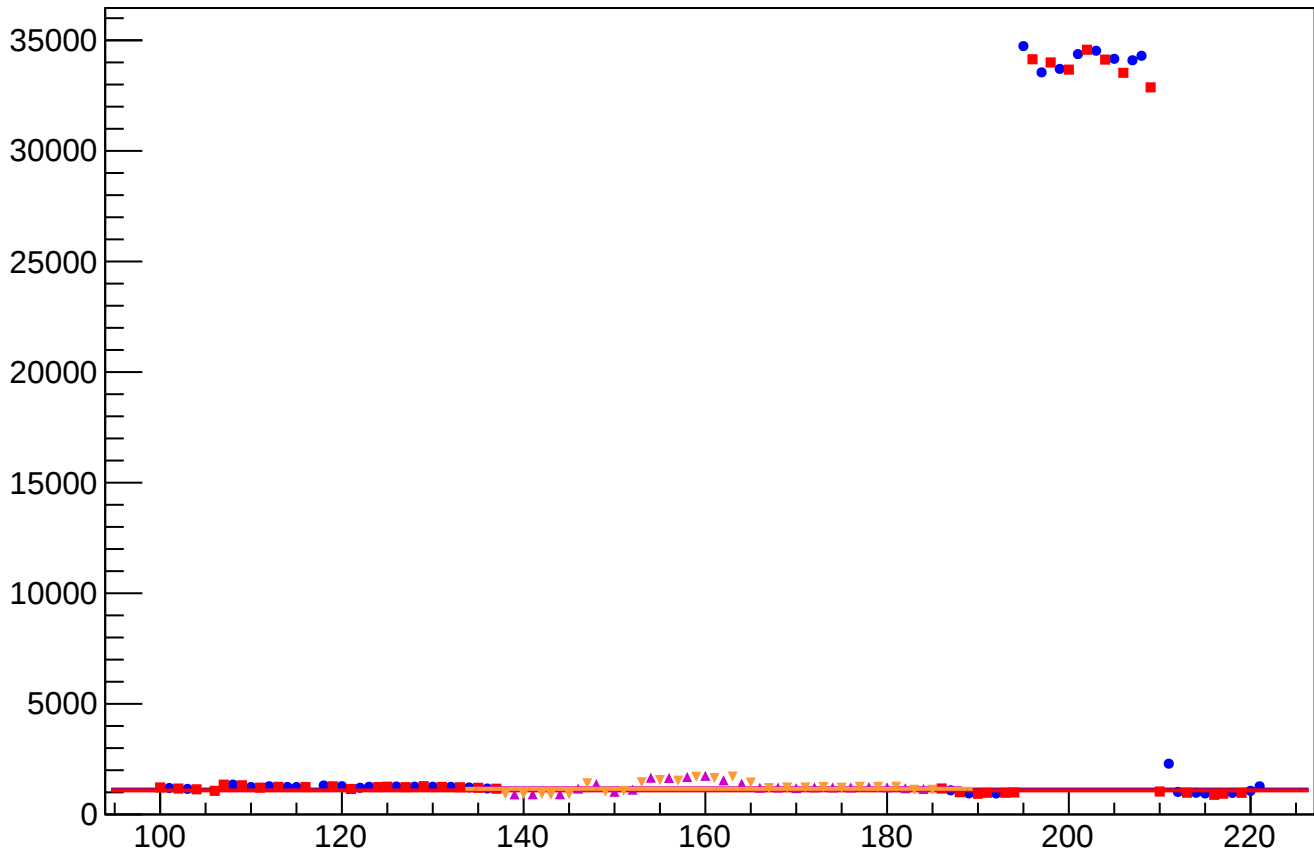
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.583 ± 0.206 χ^2/NDF : 619.3/59

All: 2.118 ± 0.145 χ^2/NDF : 2650.2/119

- sign 1.657 ± 0.205 χ^2/NDF : 2020.8/59

diff_bpm0l06Y_rms vs Slug



Right In: 1123.425+/-0.219 χ^2/NDF : 11976625.0/34

Left Out: 1158.894+/-0.195 χ^2/NDF : 1410423.6/24

Right Out: 1088.279+/-0.205 χ^2/NDF : 10274780.2/36

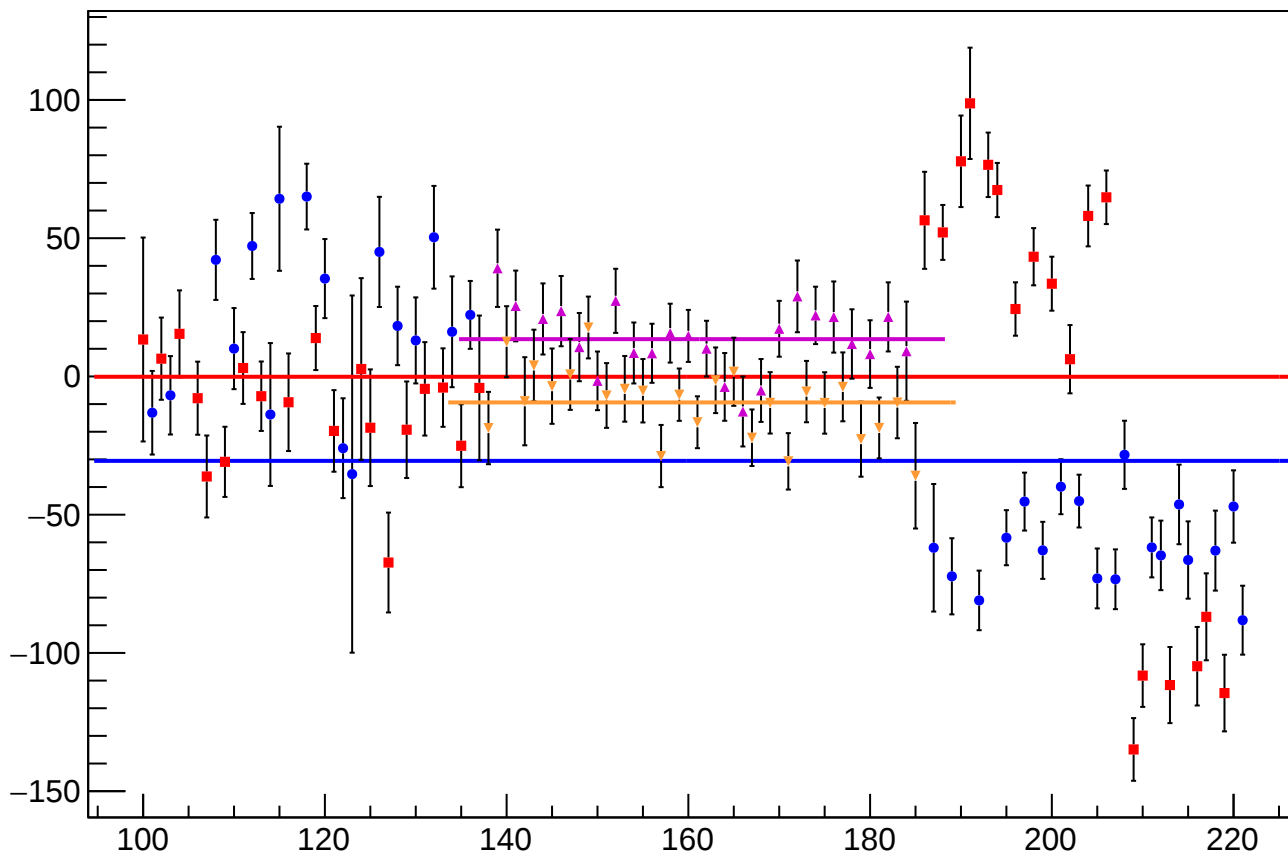
Left In: 1184.966+/-0.206 χ^2/NDF : 1190431.5/22

+ sign 1143.148+/-0.146 χ^2/NDF : 13401672.8/59

All: 1139.841+/-0.103 χ^2/NDF : 24978728.7/100

- sign 1136.557+/-0.145 χ^2/NDF : 11576029.8/59

diff_bpm0l07X_mean vs Slug



Right In: -30.536 ± 2.244 χ^2/NDF : 394.4/34

Left Out: -9.398 ± 2.358 χ^2/NDF : 26.3/24

Right Out: -0.120 ± 2.205 χ^2/NDF : 771.2/36

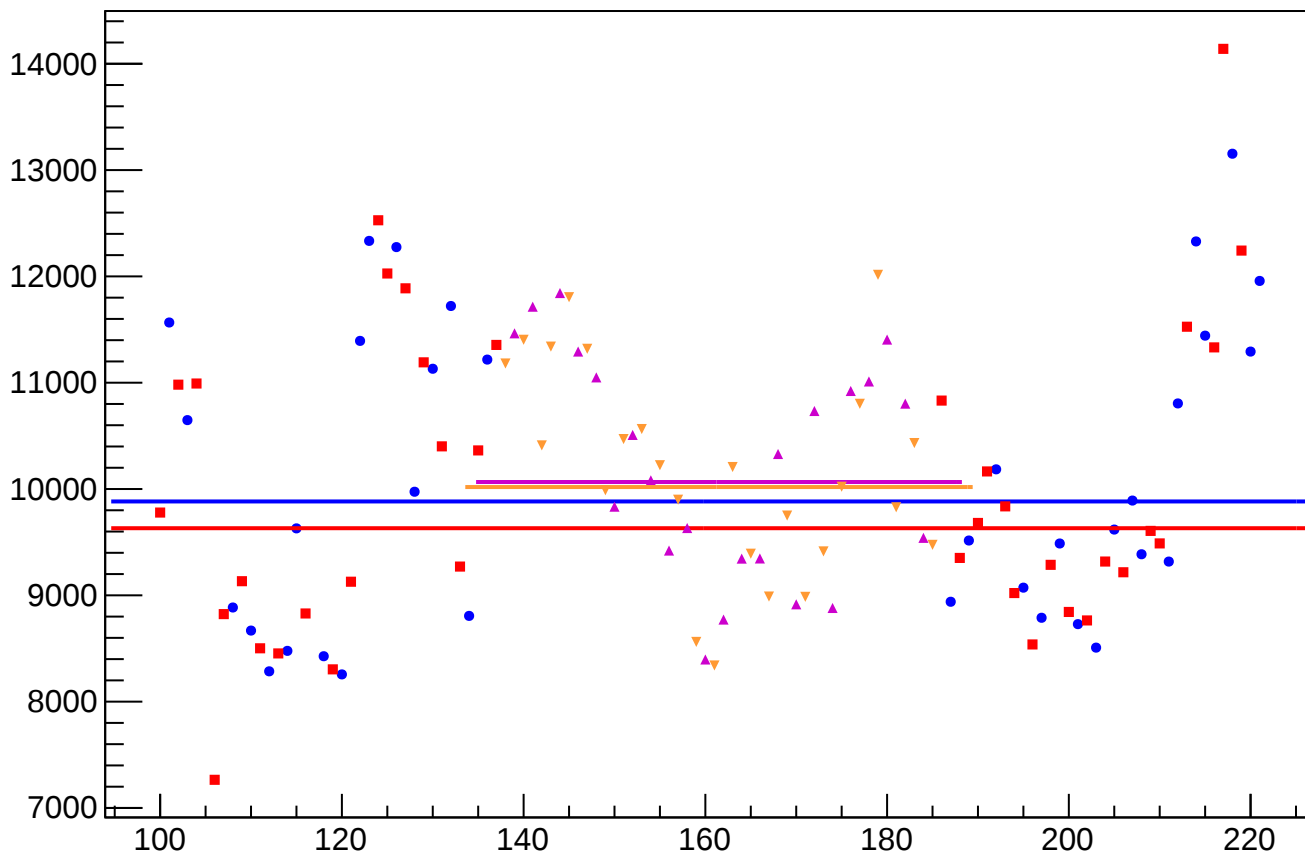
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign -20.493 ± 1.626 χ^2/NDF : 462.9/59

All: -7.344 ± 1.153 χ^2/NDF : 1404.5/119

- sign 5.989 ± 1.637 χ^2/NDF : 809.8/59

diff_bpm0l07X_rms vs Slug



Right In: 9883.050+/-1.587 χ^2/NDF : 656325.0/34

Left Out: 10018.563+/-1.668 χ^2/NDF : 344534.6/24

Right Out: 9631.342+/-1.559 χ^2/NDF : 656735.9/36

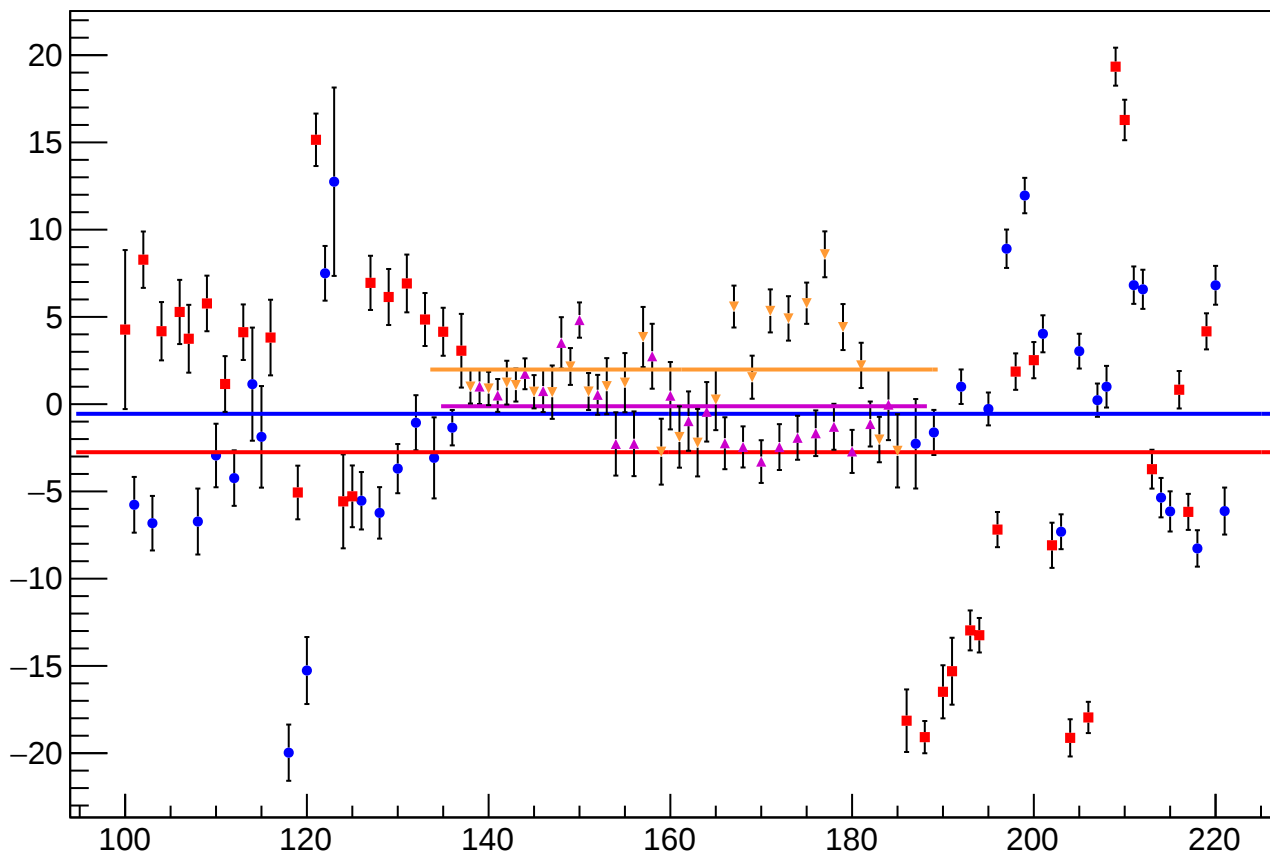
Left In: 10065.909+/-1.727 χ^2/NDF : 357868.9/22

+ sign 9947.430+/-1.149 χ^2/NDF : 1004325.5/59

All: 9887.377+/-0.816 χ^2/NDF : 2059299.2/11

- sign 9826.483+/-1.158 χ^2/NDF : 1049476.7/59

diff_bpm0l07Y_mean vs Slug



Right In: -0.553 ± 0.219 $\chi^2/\text{NDF}: 866.6/34$

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

Right Out: -2.753 ± 0.218 $\chi^2/\text{NDF}: 2525.5/36$

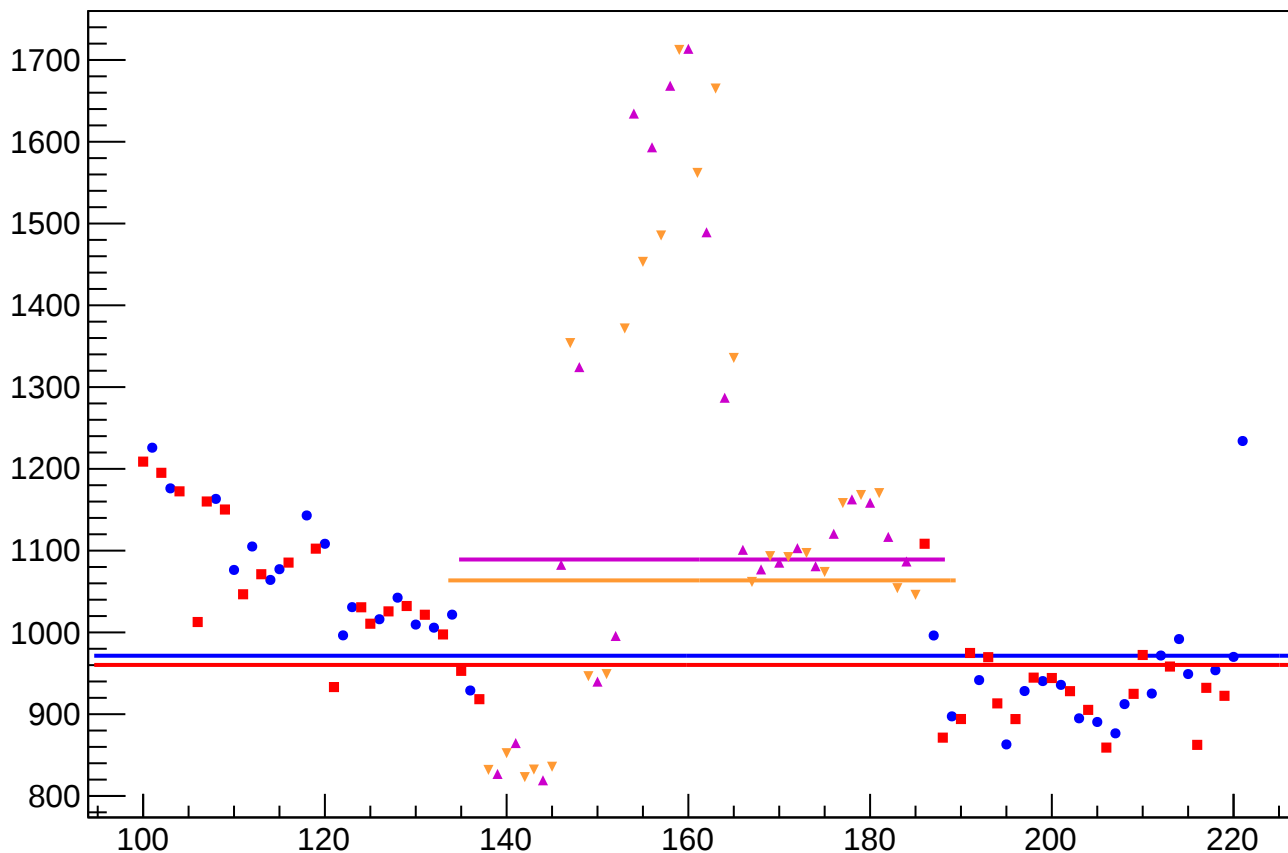
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

+ sign 0.525 ± 0.166 $\chi^2/\text{NDF}: 1024.9/59$

All: -0.571 ± 0.119 $\chi^2/\text{NDF}: 3764.7/119$

- sign -1.709 ± 0.169 $\chi^2/\text{NDF}: 2651.0/59$

diff_bpm0l07Y_rms vs Slug



Right In: 971.479+/-0.155 χ^2/NDF : 350907.8/34

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

Right Out: 960.236+/-0.154 χ^2/NDF : 292531.3/36

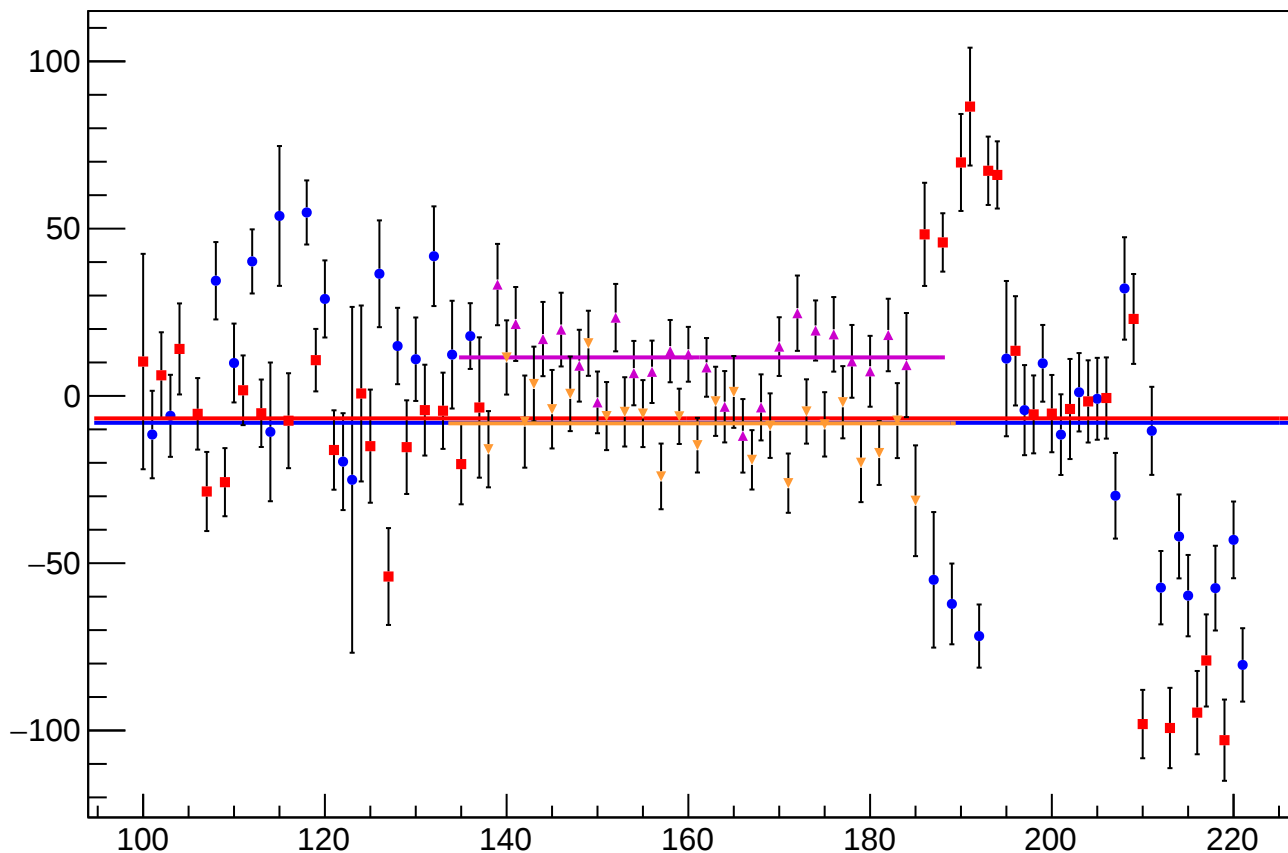
Left In: 1089.154+/-0.190 χ^2/NDF :1430478.5/22

+ sign 1010.608+/-0.117 χ^2/NDF : 2118654.8/59

All: 1010.973+/-0.084 χ^2/NDF : 4119544.5/11

- sign 1011.352+/-0.120 χ^2/NDF : 2000870.0/59

diff_bpm0l08X_mean vs Slug



Right In: -8.035 ± 2.137 $\chi^2/\text{NDF}: 336.8/34$

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

Right Out: -6.713 ± 2.043 $\chi^2/\text{NDF}: 524.5/36$

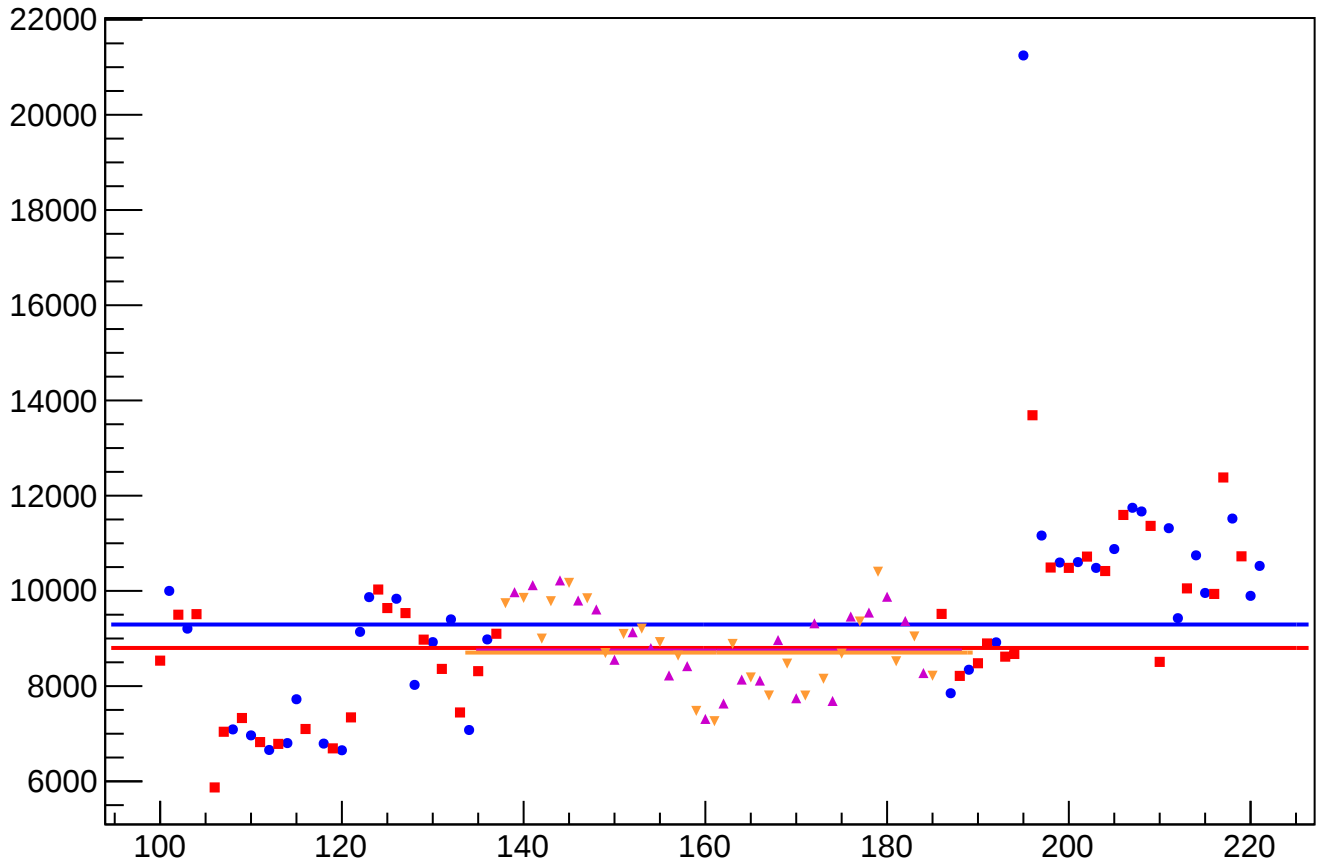
Left In: 11.515 ± 2.122 $\chi^2/\text{NDF}: 21.0/22$

+ sign -8.118 ± 1.479 $\chi^2/\text{NDF}: 362.9/59$

All: -3.009 ± 1.043 $\chi^2/\text{NDF}: 970.5/119$

- sign 2.054 ± 1.472 $\chi^2/\text{NDF}: 583.8/59$

diff_bpm0l08X_rms vs Slug



Right In: 9293.699+/-1.511 χ^2/NDF : 1651158.0/34

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

+ sign 8986.576+/-1.046 χ^2/NDF : 2062849.2/59

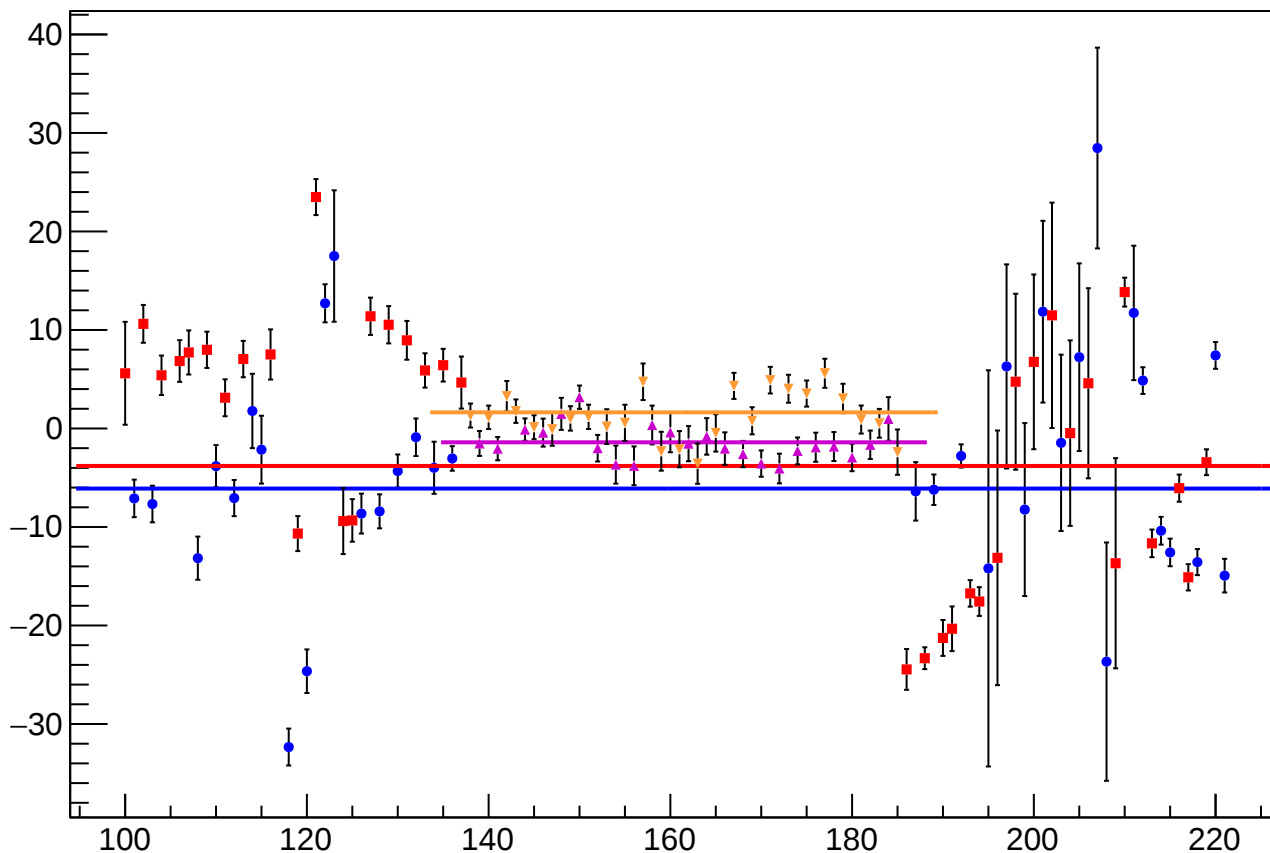
Right Out: 8801.301+/-1.445 χ^2/NDF : 1360346.2/36

All: 8880.492+/-0.738 χ^2/NDF : 3791467.4/11

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

- sign 8775.384+/-1.041 χ^2/NDF : 1708125.8/59

diff_bpm0l08Y_mean vs Slug



Right In: -6.101 ± 0.341 $\chi^2/\text{NDF}: 700.2/34$

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

Right Out: -3.804 ± 0.319 $\chi^2/\text{NDF}: 1723.4/36$

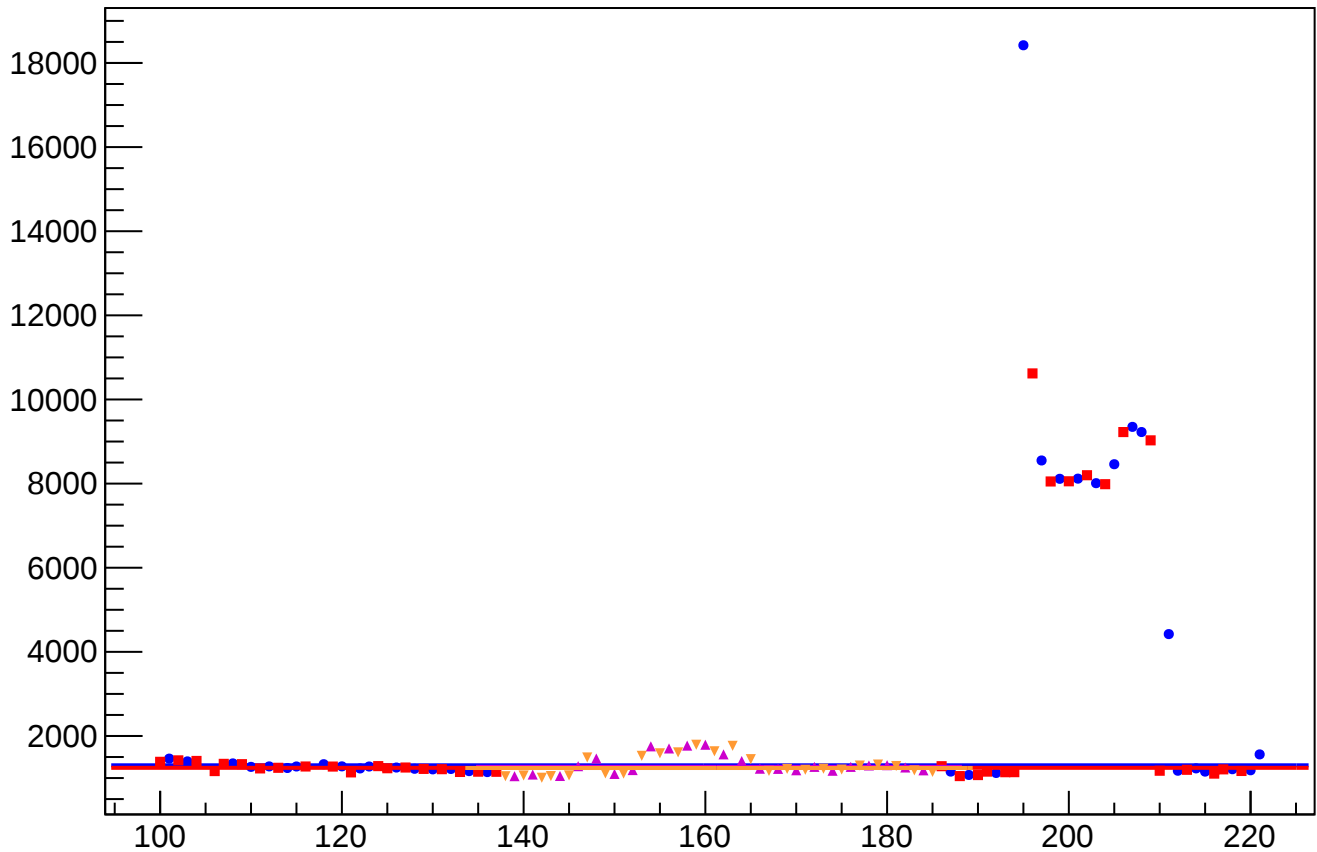
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -1.651 ± 0.223 $\chi^2/\text{NDF}: 1047.0/59$

All: -2.111 ± 0.157 $\chi^2/\text{NDF}: 2842.3/119$

- sign -2.568 ± 0.222 $\chi^2/\text{NDF}: 1786.8/59$

diff_bpm0l08Y_rms vs Slug



Right In: 1303.217 $\pm$ 0.241 χ^2 /NDF: 9792925.2/34

Left Out: 1238.437 $\pm$ 0.208 χ^2 /NDF: 965173.0/24

Right Out: 1243.159 $\pm$ 0.225 χ^2 /NDF: 7800544.2/36

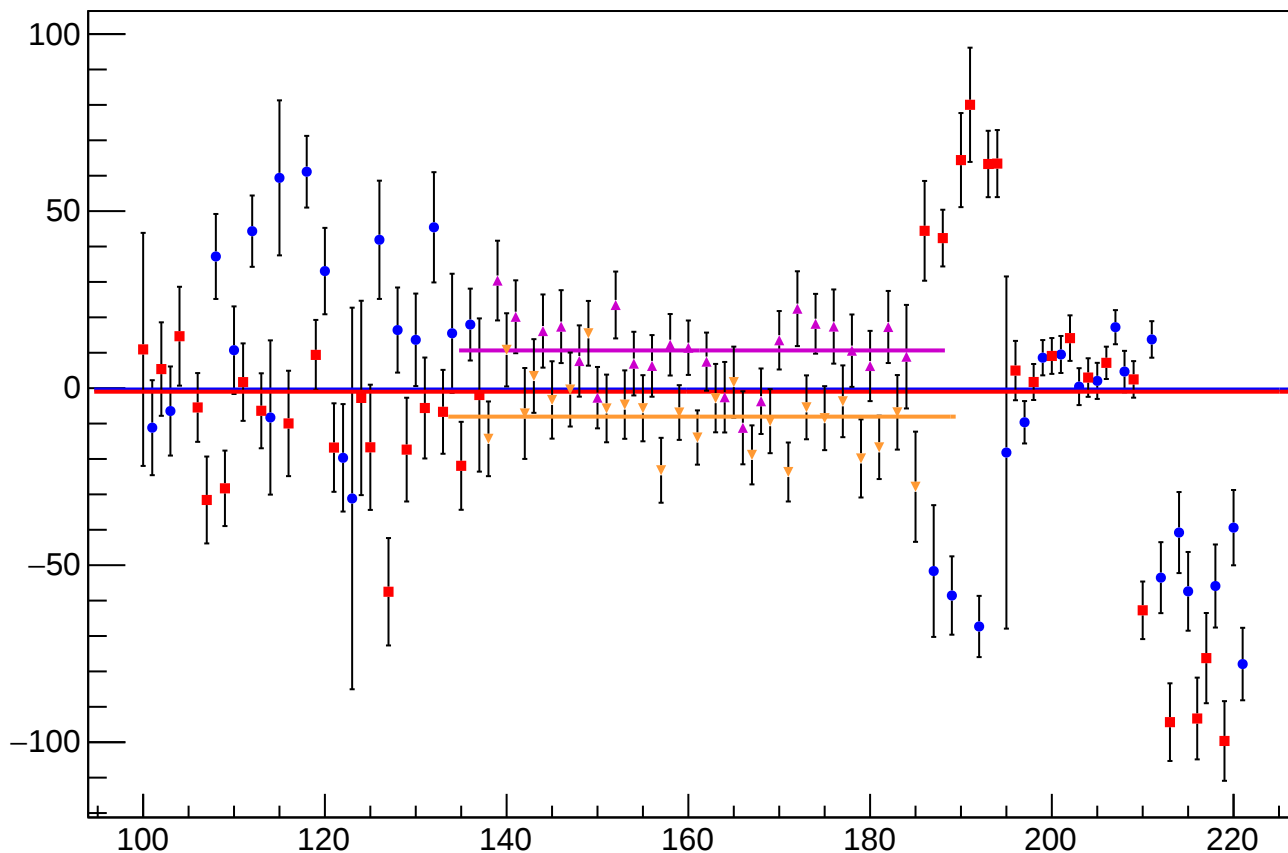
Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

+ sign 1265.976 $\pm$ 0.157 χ^2 /NDF: 10799487.9/59

All: 1260.348 $\pm$ 0.111 χ^2 /NDF: 19452883.5/1

- sign 1254.761 $\pm$ 0.157 χ^2 /NDF: 8650848.1/59

diff_bpm0l09X_mean vs Slug



Right In: -0.379 ± 1.474 χ^2/NDF : 393.9/34

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

Right Out: -1.002 ± 1.502 χ^2/NDF : 539.9/36

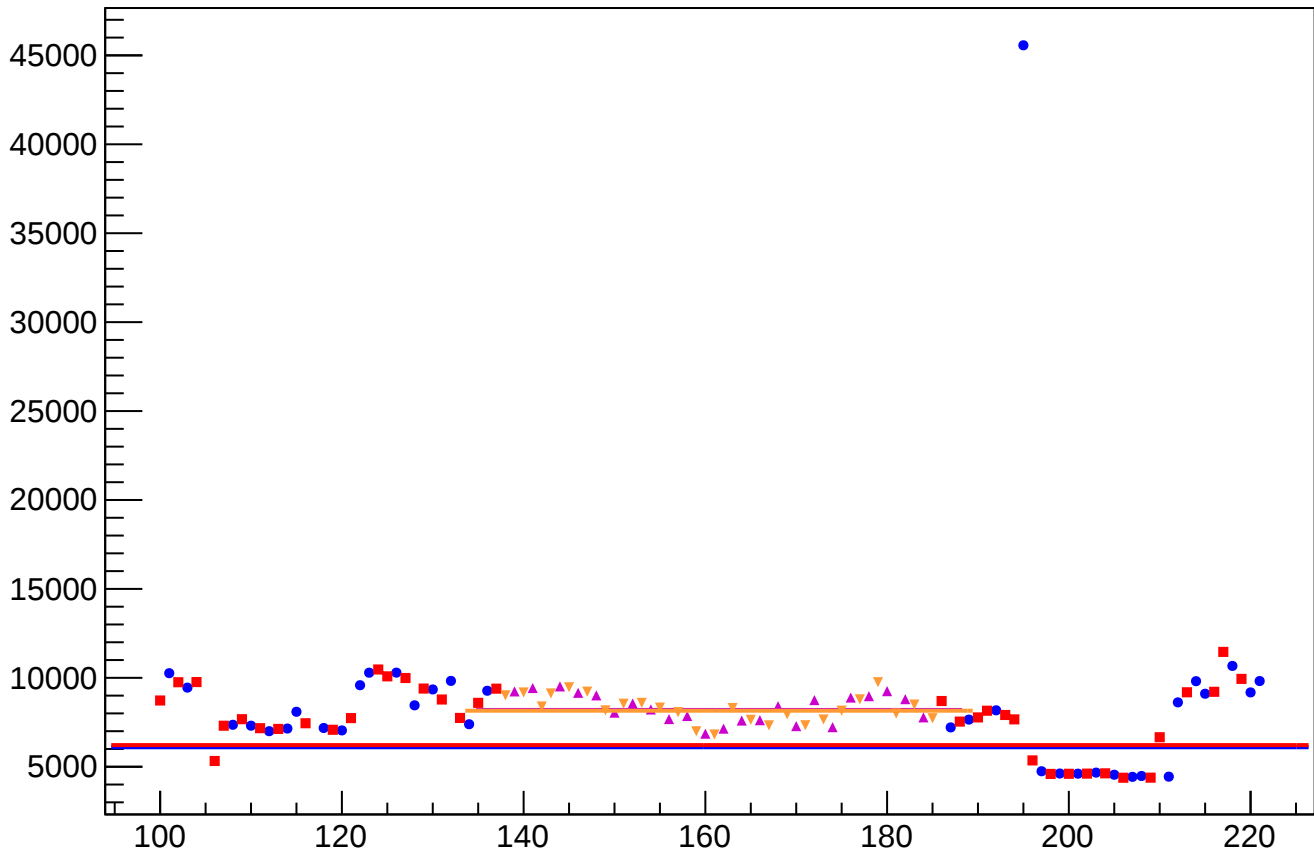
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

+ sign -3.224 ± 1.169 χ^2/NDF : 430.3/59

All: -0.076 ± 0.837 χ^2/NDF : 1028.3/119

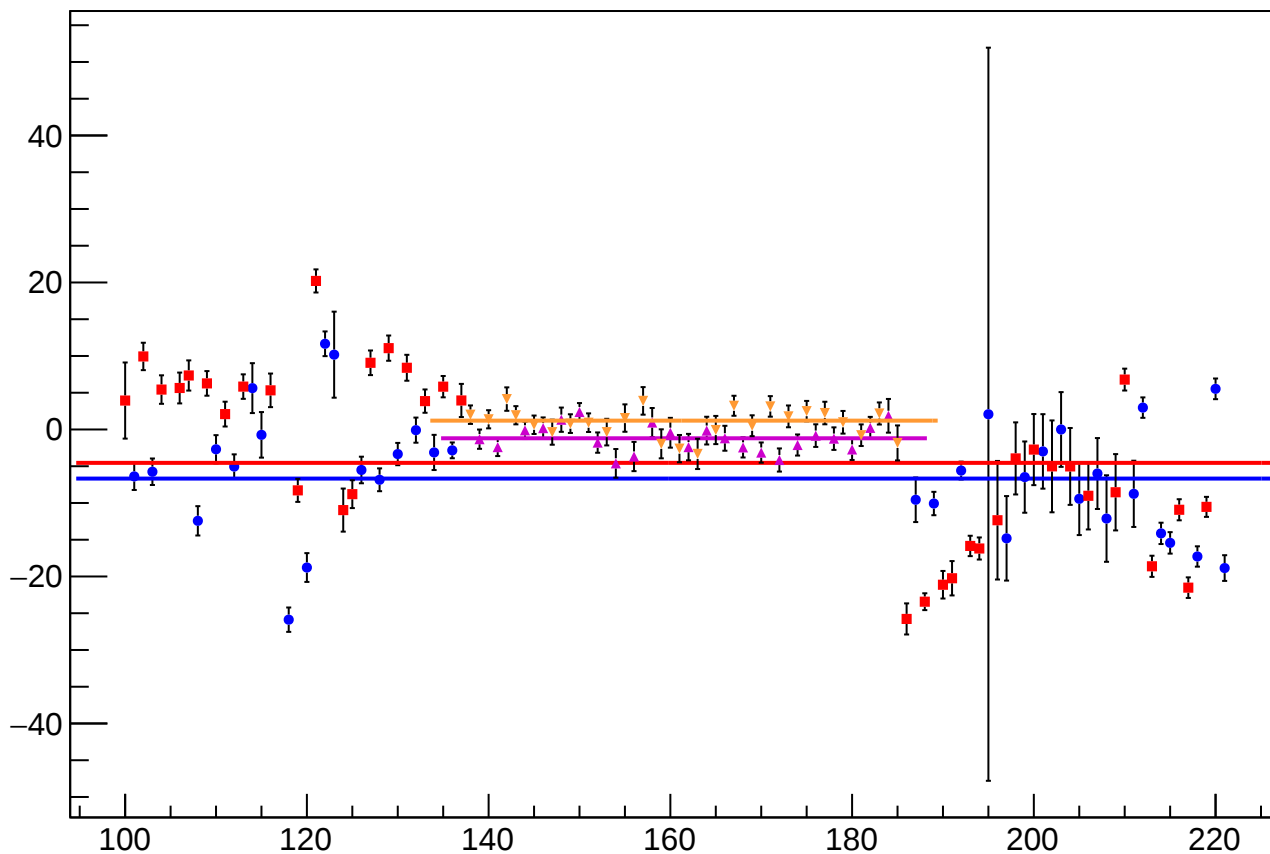
- sign 3.233 ± 1.198 χ^2/NDF : 583.2/59

diff_bpm0l09X_rms vs Slug



Right In: 6096.859 ± 1.042 $\chi^2/\text{NDF}: 5227516.7/34$ + sign 6859.558 ± 0.826 $\chi^2/\text{NDF}: 6992220.8/59$
 Left Out: 8151.489 ± 1.356 $\chi^2/\text{NDF}: 321803.3/24$ All: 6896.559 ± 0.592 $\chi^2/\text{NDF}: 12036956.8/1$
 Right Out: 6217.218 ± 1.062 $\chi^2/\text{NDF}: 3443295.2/36$ - sign 6935.451 ± 0.847 $\chi^2/\text{NDF}: 5040624.1/59$
 Left In: 8193.636 ± 1.405 $\chi^2/\text{NDF}: 338377.6/22$

diff_bpm0l09Y_mean vs Slug



Right In: -6.681 ± 0.324 χ^2/NDF : 670.5/34

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

Right Out: -4.542 ± 0.305 χ^2/NDF : 1785.3/36

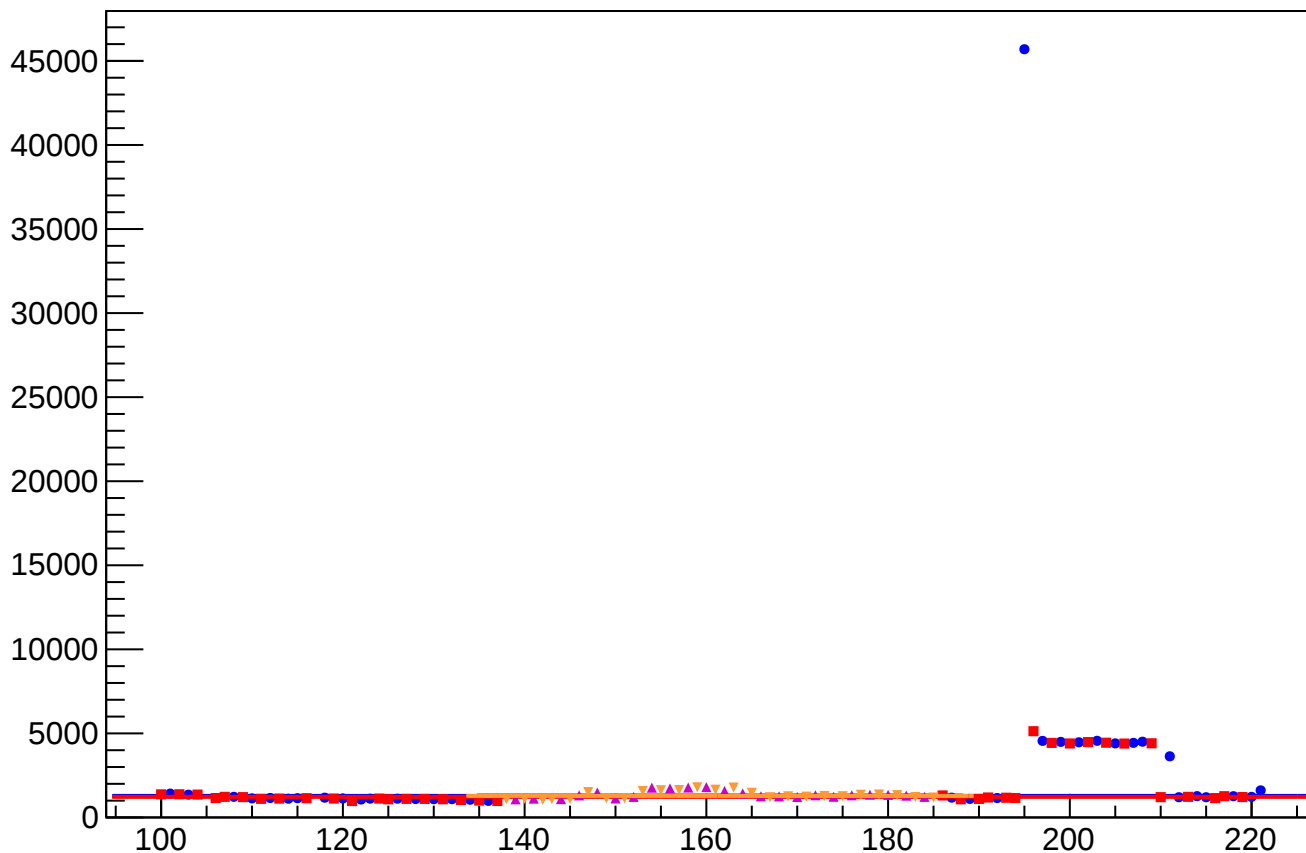
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -2.469 ± 0.221 χ^2/NDF : 1017.0/59

All: -2.705 ± 0.156 χ^2/NDF : 2893.2/119

- sign -2.940 ± 0.220 χ^2/NDF : 1874.0/59

diff_bpm0l09Y_rms vs Slug



Right In: 1281.376 $\pm$ 0.229 χ^2/NDF : 8053127.3/34

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

Right Out: 1225.419 $\pm$ 0.216 χ^2/NDF : 5508138.9/36

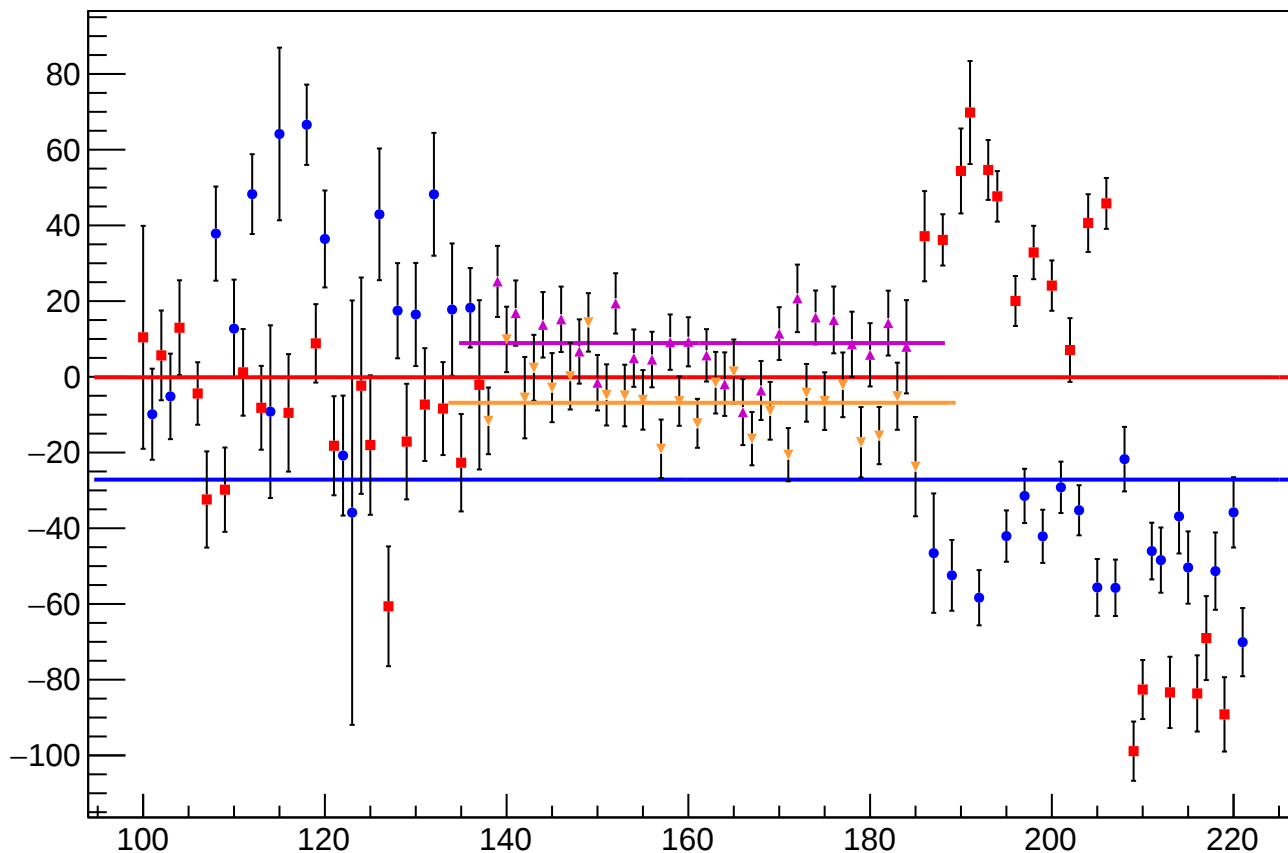
Left In: 1305.541 $\pm$ 0.225 χ^2/NDF : 760450.8/22

+ sign 1279.528 $\pm$ 0.156 χ^2/NDF : 8931377.2/59

All: 1271.641 $\pm$ 0.110 χ^2/NDF : 15271104.6/104

- sign 1263.812 $\pm$ 0.156 χ^2/NDF : 6334653.5/59

diff_bpm0l10X_mean vs Slug



Right In: -27.153 ± 1.652 $\chi^2/\text{NDF}: 415.9/34$

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

Right Out: -0.113 ± 1.617 $\chi^2/\text{NDF}: 886.7/36$

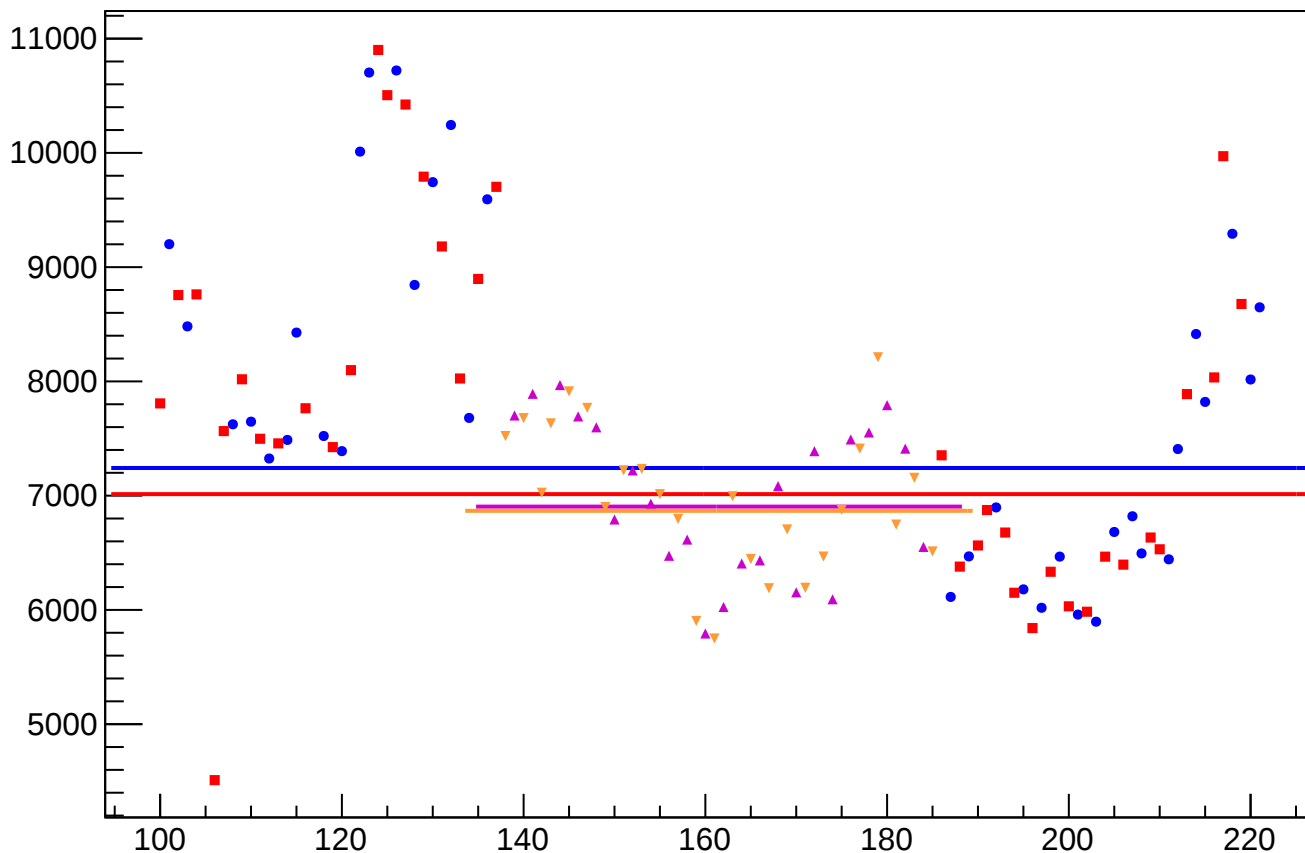
Left In: 8.923 ± 1.674 $\chi^2/\text{NDF}: 21.8/22$

+ sign -16.778 ± 1.155 $\chi^2/\text{NDF}: 521.7/59$

All: -6.338 ± 0.820 $\chi^2/\text{NDF}: 1609.8/119$

- sign 4.248 ± 1.163 $\chi^2/\text{NDF}: 923.6/59$

diff_bpm0l10X_rms vs Slug



Right In: 7242.210+/-1.168 χ^2/NDF : 1057056.9/34

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

Right Out: 7013.436+/-1.143 χ^2/NDF : 1203857.6/36

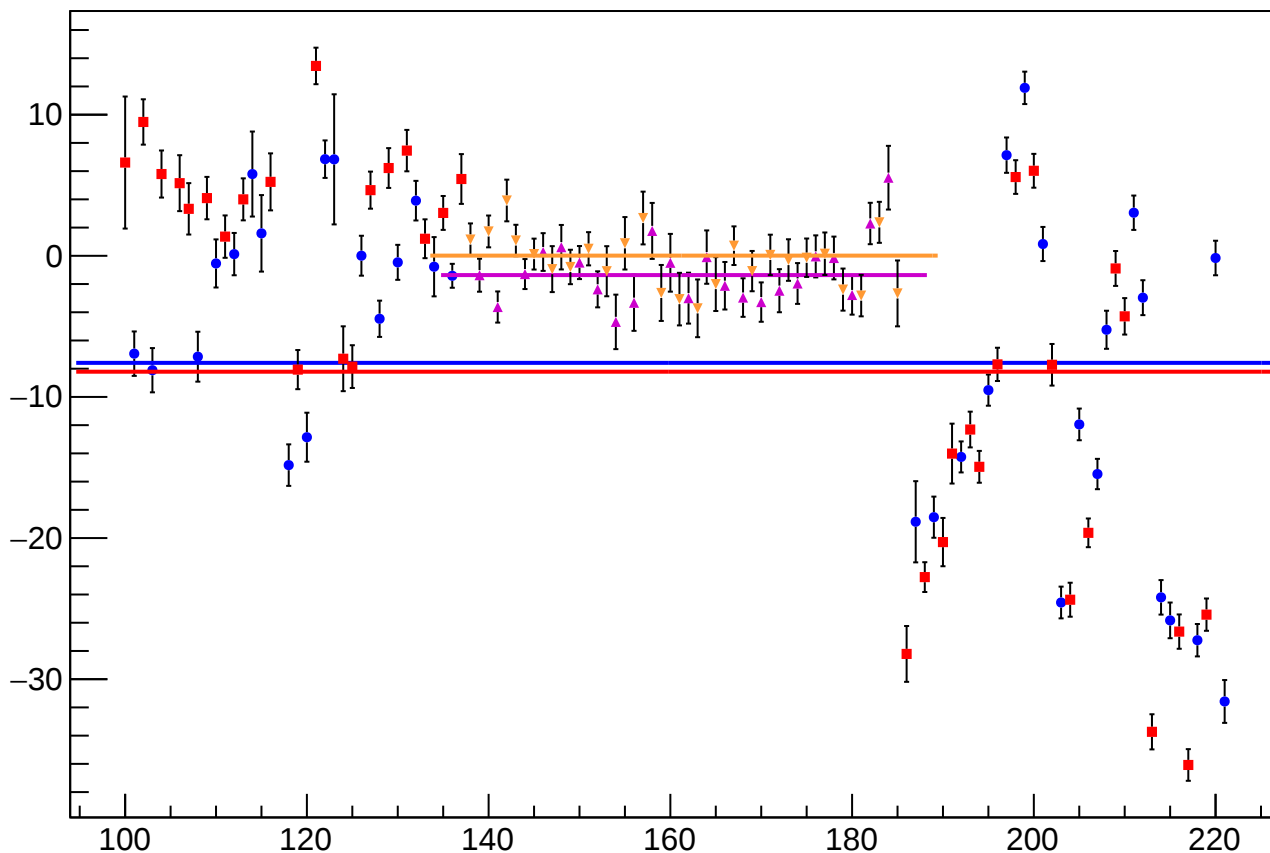
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

+ sign 7050.614+/-0.817 χ^2/NDF : 1416586.1/59

All: 7005.962+/-0.580 χ^2/NDF : 2956788.2/11

- sign 6960.681+/-0.822 χ^2/NDF : 1534181.7/59

diff_bpm0l10Y_mean vs Slug



Right In: -7.585 ± 0.228 χ^2/NDF : 2383.4/34

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

Right Out: -8.212 ± 0.228 χ^2/NDF : 3810.0/36

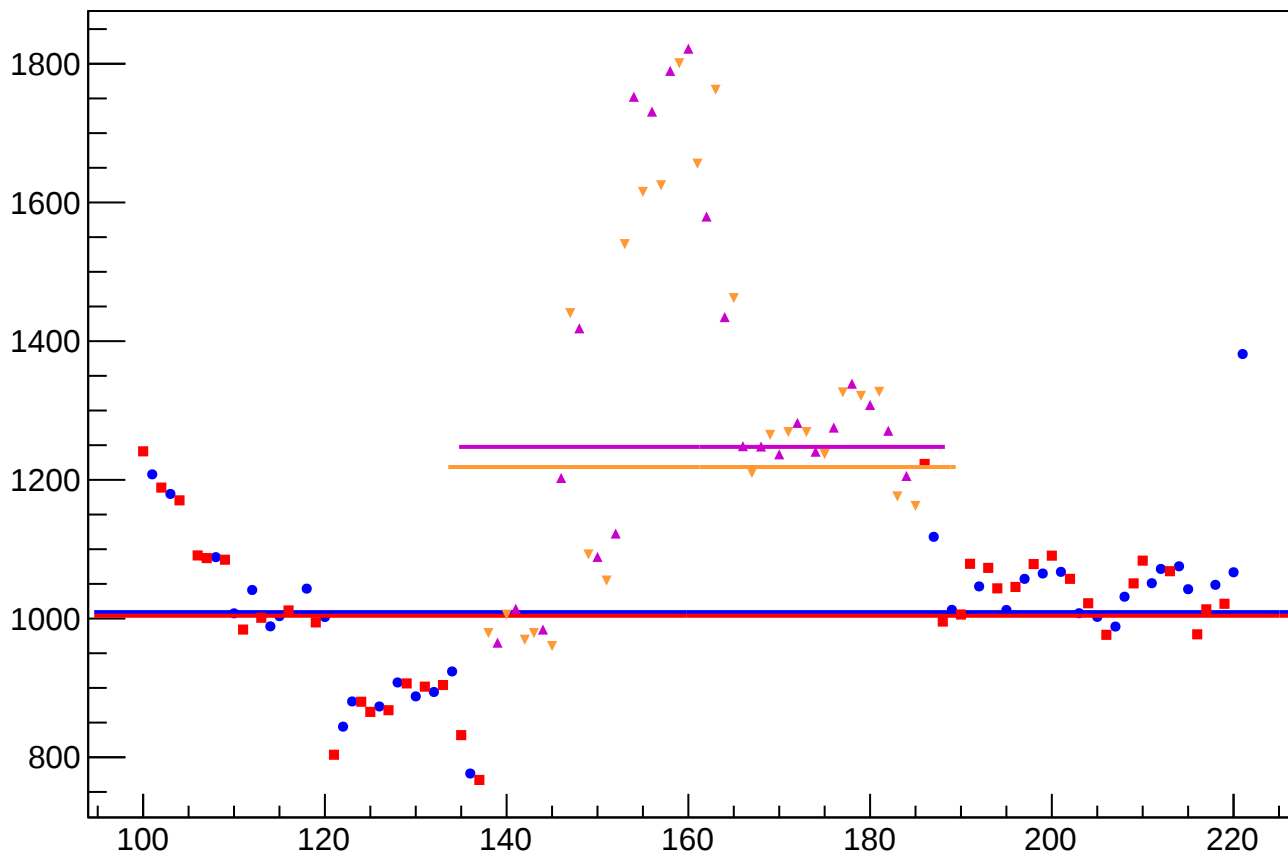
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -4.683 ± 0.179 χ^2/NDF : 2843.1/59

All: -5.213 ± 0.128 χ^2/NDF : 7032.2/119

- sign -5.765 ± 0.183 χ^2/NDF : 4171.2/59

diff_bpm0l10Y_rms vs Slug



Right In: 1009.301 $\pm$ 0.161 χ^2 /NDF: 472276.6/34

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

Right Out: 1004.033 $\pm$ 0.161 χ^2 /NDF: 342836.8/36

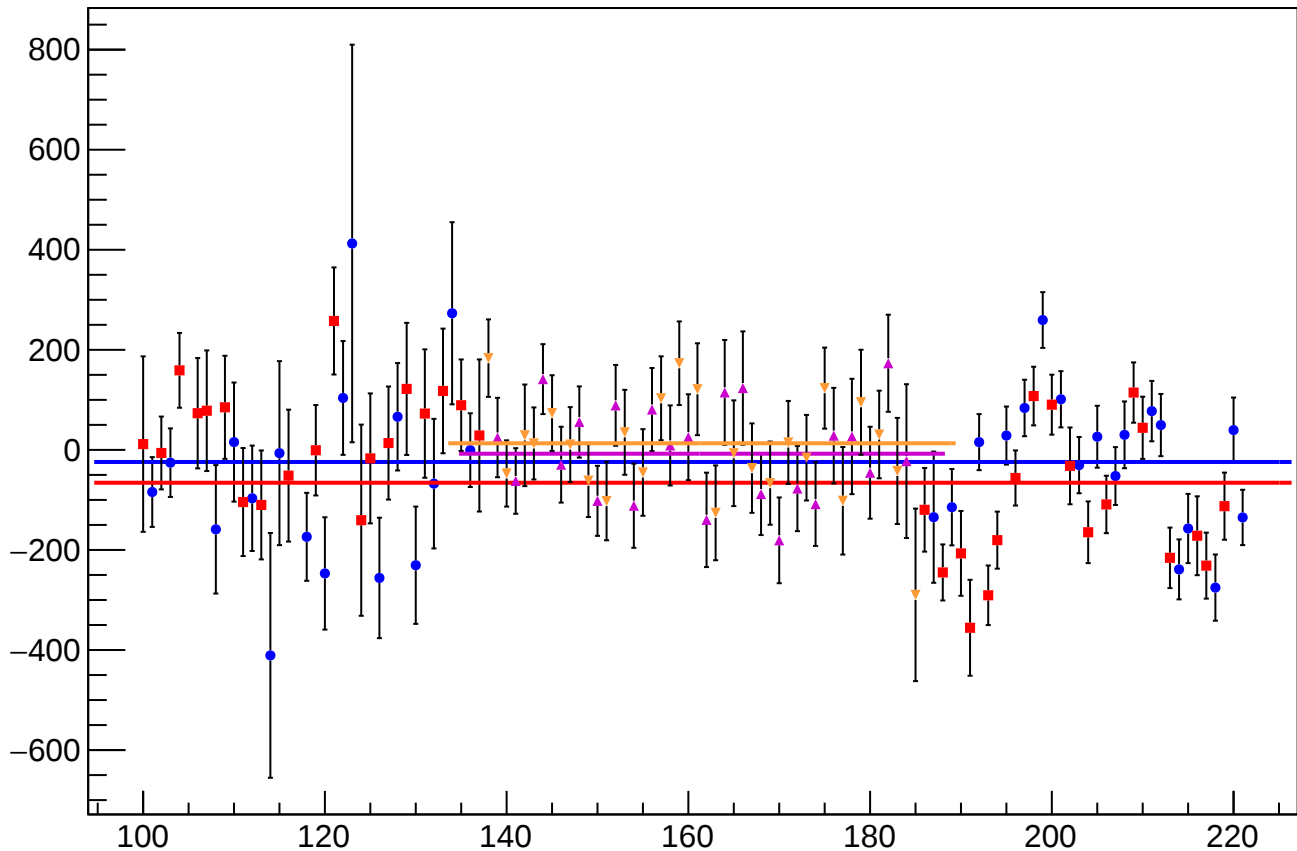
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1089.206 $\pm$ 0.127 χ^2 /NDF: 2382038.2/59

All: 1090.129 $\pm$ 0.090 χ^2 /NDF: 4614755.4/11

- sign 1091.088 $\pm$ 0.129 χ^2 /NDF: 2232609.1/59

diff_bpm0r03X_mean vs Slug



Right In: -24.147 ± 12.706 χ^2/NDF : 104.4/34

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

Right Out: -65.631 ± 12.964 χ^2/NDF : 121.0/36

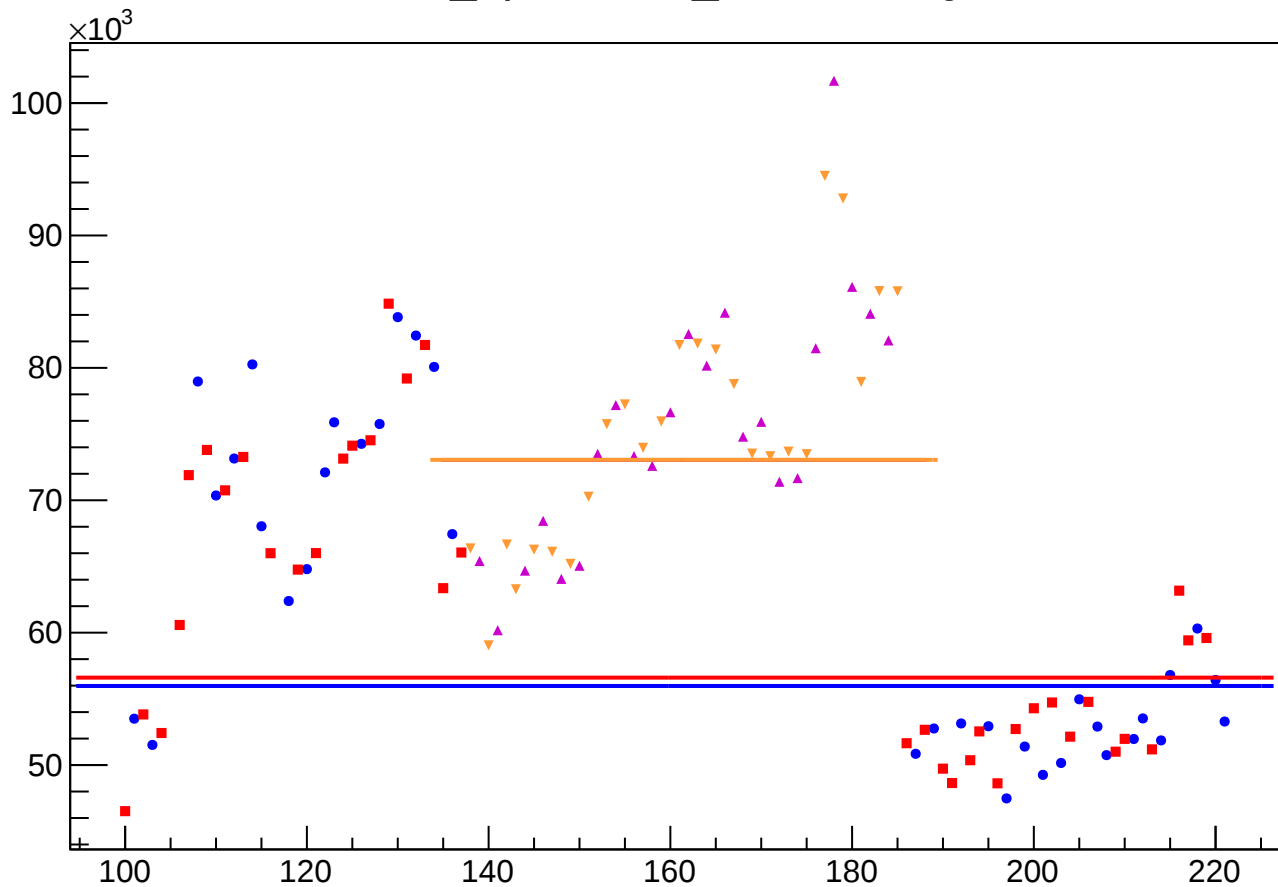
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign -10.905 ± 10.209 χ^2/NDF : 134.2/59

All: -27.712 ± 7.303 χ^2/NDF : 295.9/119

- sign -45.333 ± 10.453 χ^2/NDF : 156.1/59

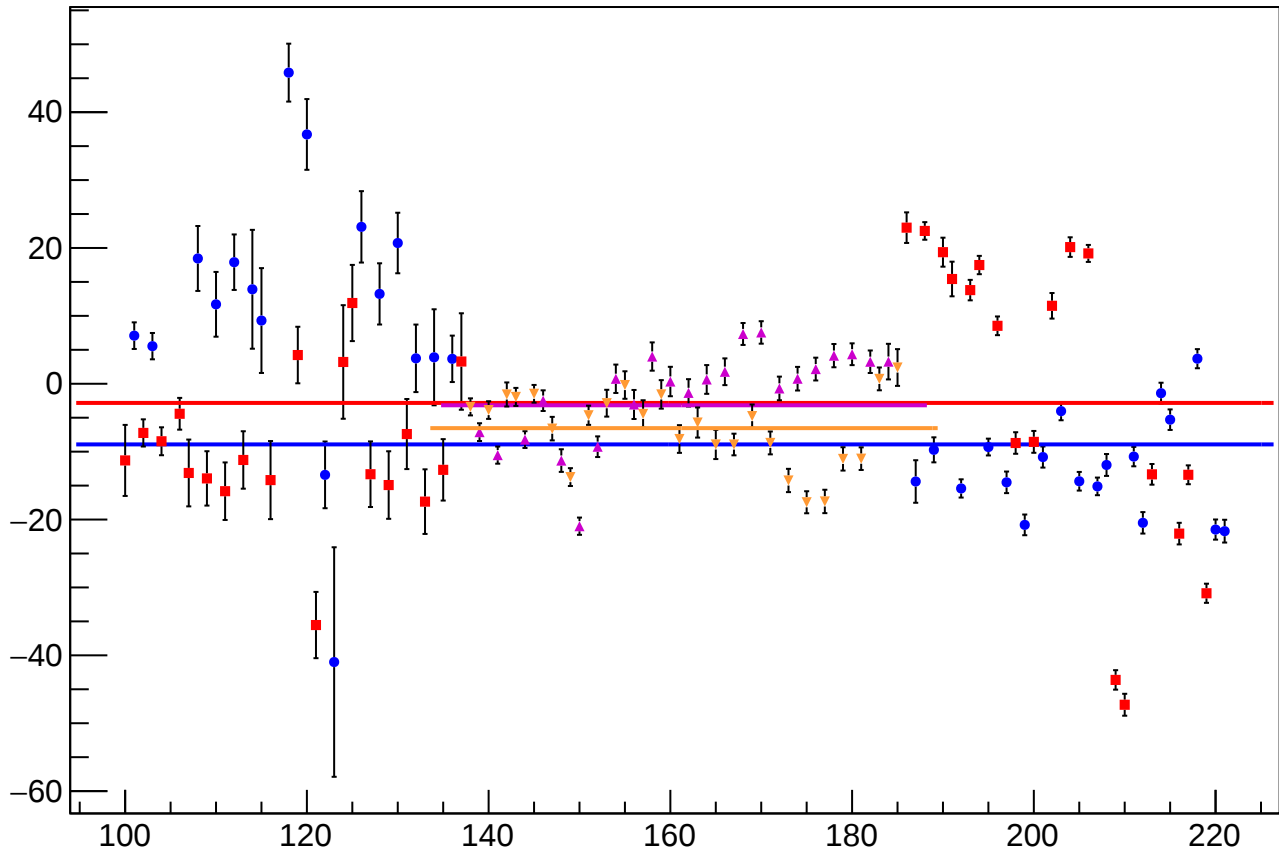
diff_bpm0r03X_rms vs Slug



Right In: 55973.139 ± 8.985 $\chi^2/\text{NDF}: 827670.6/34$
 Left Out: 73054.401 ± 12.124 $\chi^2/\text{NDF}: 473050.9/24$
 Right Out: 56603.921 ± 9.167 $\chi^2/\text{NDF}: 794146.1/36$
 Left In: 73045.500 ± 12.496 $\chi^2/\text{NDF}: 463525.5/22$

+ sign 62028.278 ± 7.219 $\chi^2/\text{NDF}: 2581987.8/59$
 All: 62188.546 ± 5.164 $\chi^2/\text{NDF}: 4966196.2/100$
 - sign 62356.576 ± 7.391 $\chi^2/\text{NDF}: 2383198.6/59$

diff_bpm0r03Y_mean vs Slug



Right In: -8.933 ± 0.332 $\chi^2/\text{NDF}: 1055.0/34$

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

Right Out: -2.822 ± 0.335 $\chi^2/\text{NDF}: 4078.7/36$

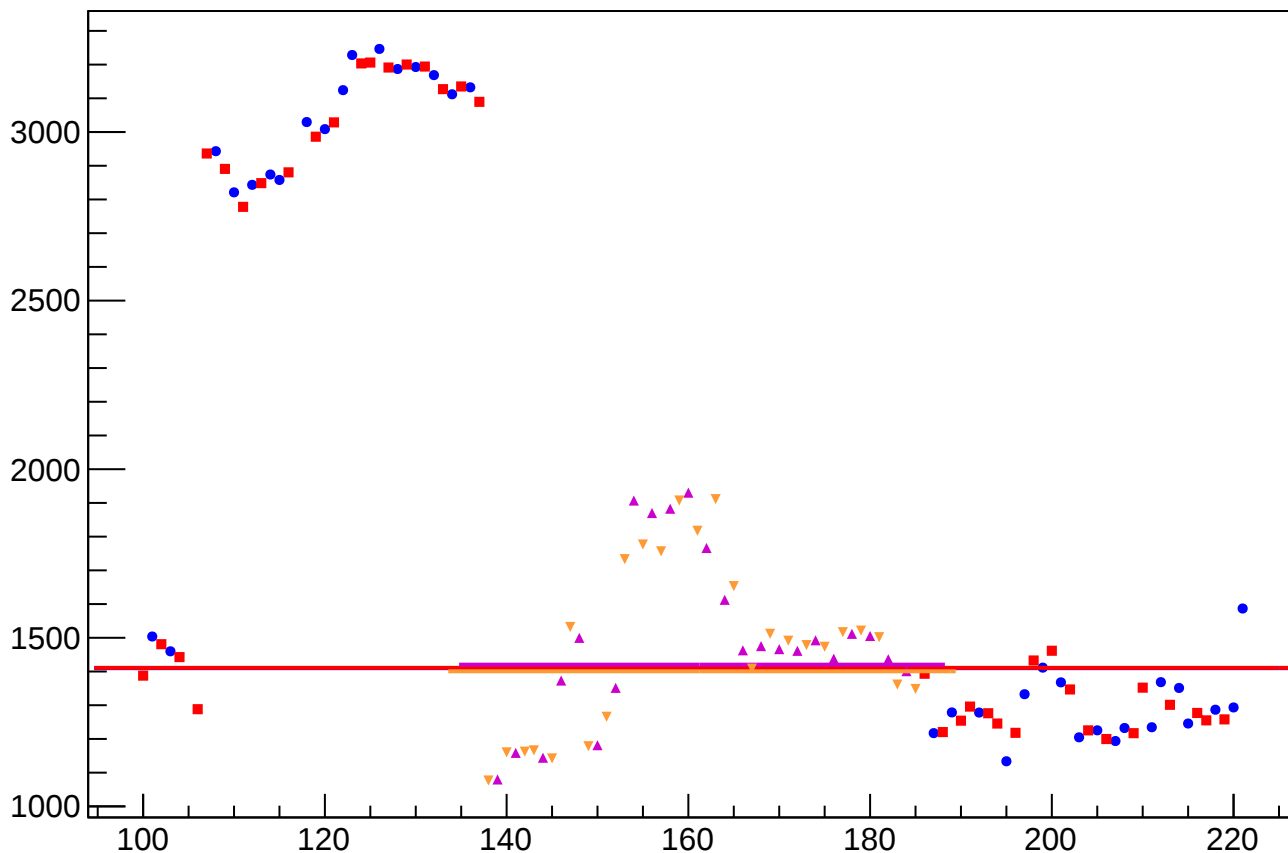
Left In: -3.171 ± 0.346 $\chi^2/\text{NDF}: 487.3/22$

+ sign -7.735 ± 0.235 $\chi^2/\text{NDF}: 1333.8/59$

All: -5.425 ± 0.168 $\chi^2/\text{NDF}: 6099.4/119$

- sign -2.991 ± 0.241 $\chi^2/\text{NDF}: 4566.5/59$

diff_bpm0r03Y_rms vs Slug



Right In: 1409.964 $\pm$ 0.235 χ^2 /NDF: 3662914.1/34

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

Right Out: 1410.806 $\pm$ 0.237 χ^2 /NDF: 3628459.6/36

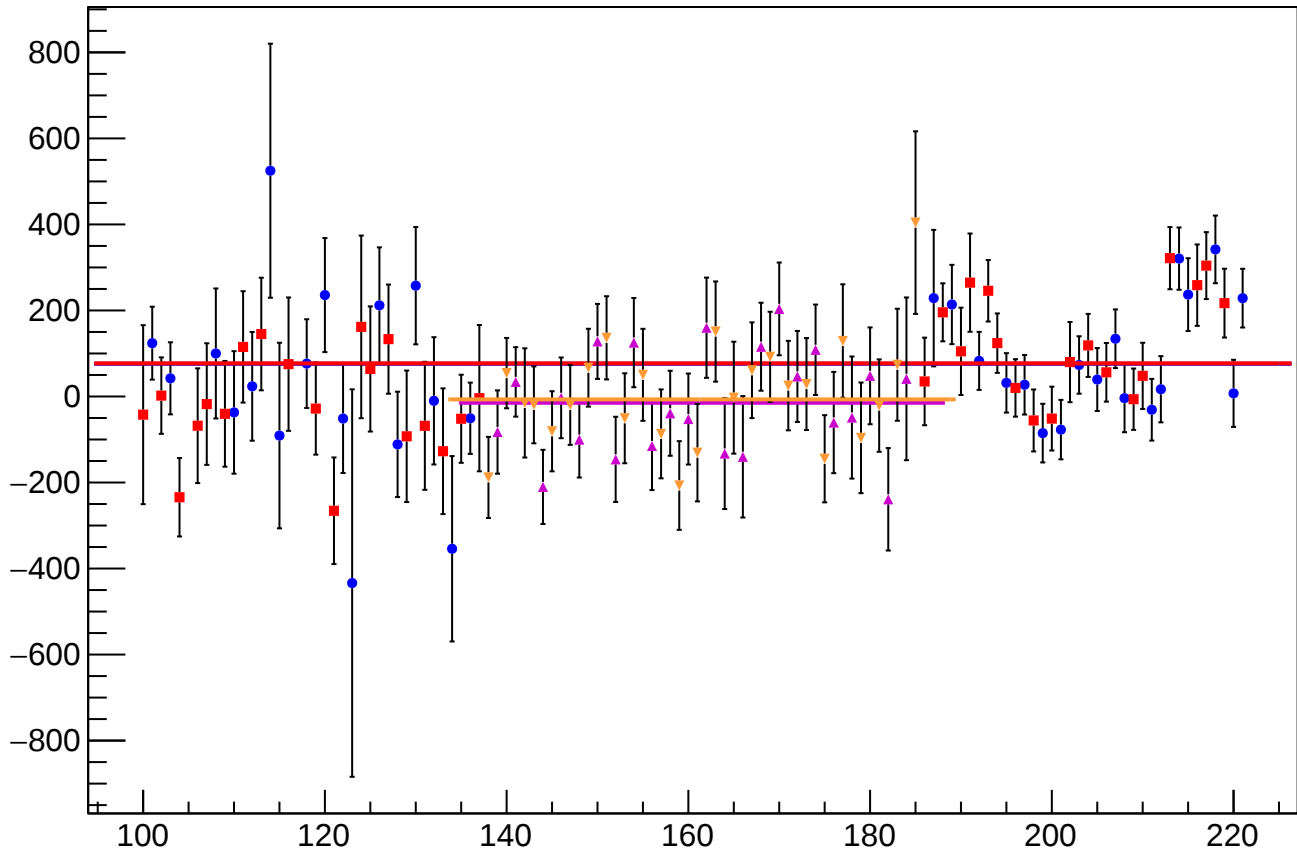
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF:905186.2/22

+ sign 1405.301 $\pm$ 0.166 χ^2 /NDF: 4701626.0/59

All: 1410.212 $\pm$ 0.119 χ^2 /NDF: 9237845.0/11

- sign 1415.385 $\pm$ 0.170 χ^2 /NDF: 4534419.6/59

diff_bpm0r05X_mean vs Slug



Right In: 76.067 $\pm$ 15.221 χ^2 /NDF: 71.4/34

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

Right Out: 76.981 $\pm$ 15.520 χ^2 /NDF: 78.4/36

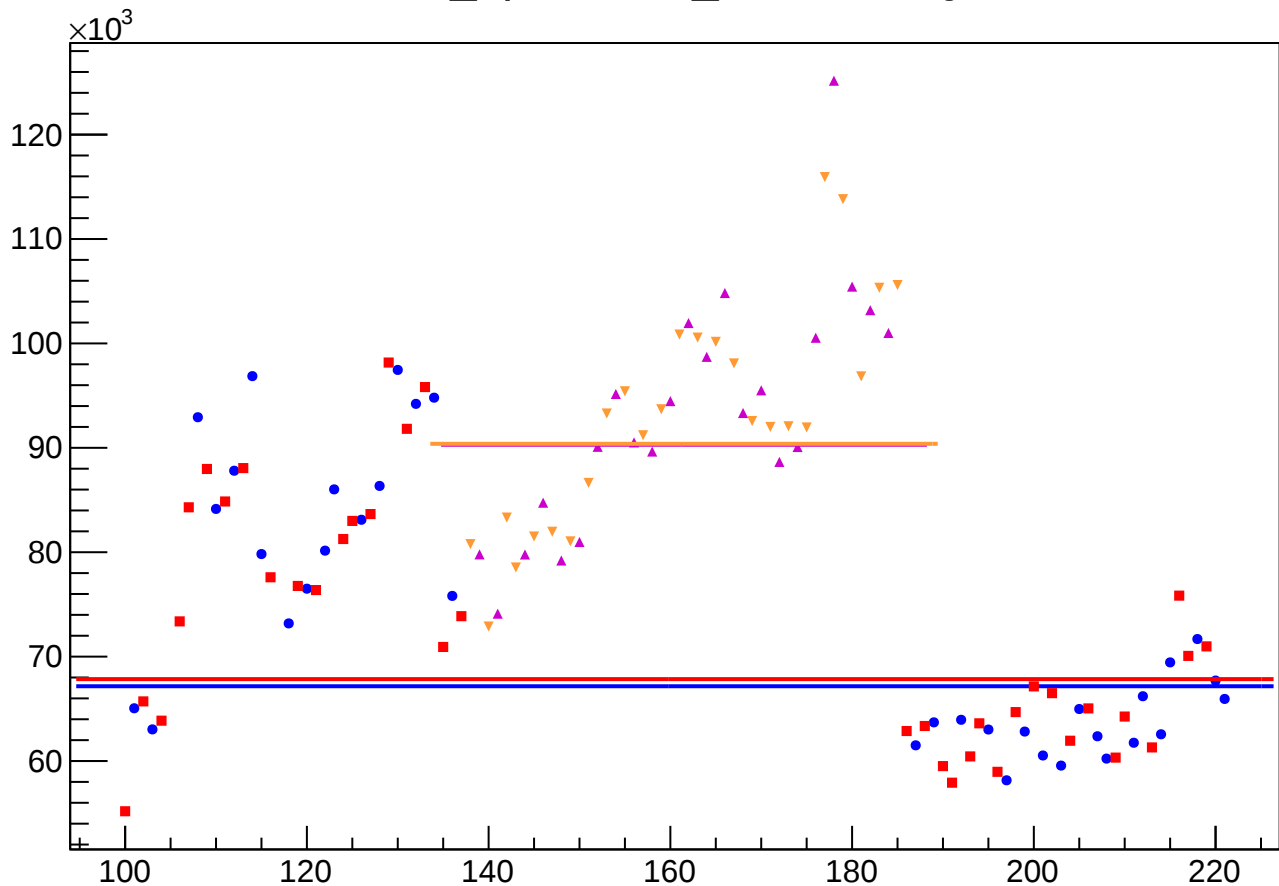
Left In: -14.611 $\pm$ 21.846 χ^2 /NDF: 29.8/22

+ sign 47.907 $\pm$ 12.367 χ^2 /NDF: 106.1/59

All: 47.102 $\pm$ 8.844 χ^2 /NDF: 226.0/119

- sign 46.261 $\pm$ 12.652 χ^2 /NDF: 119.9/59

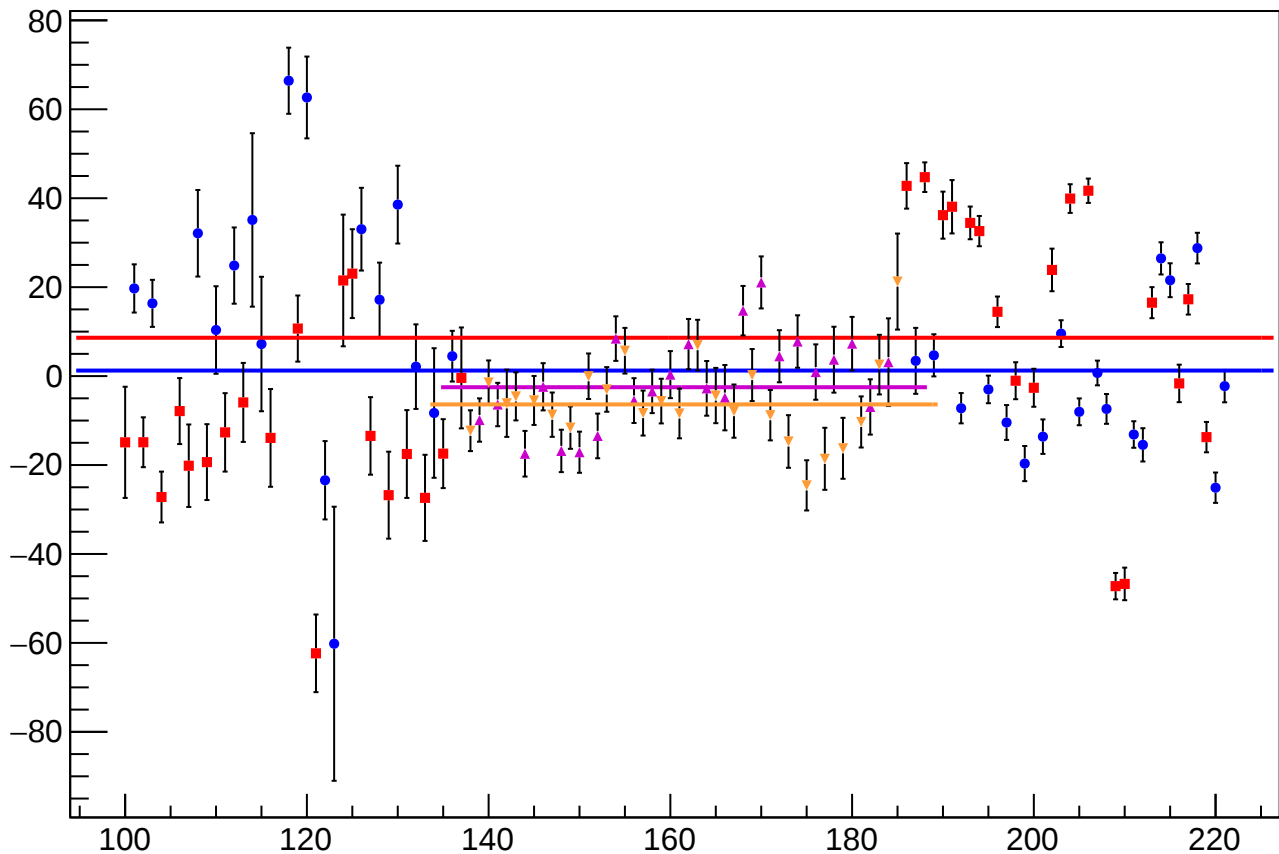
diff_bpm0r05X_rms vs Slug



Right In: 67162.827 ± 10.763 $\chi^2/\text{NDF}: 670777.1/34$
 Left Out: 90384.853 ± 15.000 $\chi^2/\text{NDF}: 461648.2/24$
 Right Out: 67845.982 ± 10.974 $\chi^2/\text{NDF}: 668308.2/36$
 Left In: 90293.591 ± 15.448 $\chi^2/\text{NDF}: 461337.5/22$

+ sign 75055.233 ± 8.745 $\chi^2/\text{NDF}: 2714591.1/59$
 All: 75211.524 ± 6.254 $\chi^2/\text{NDF}: 5248272.7/100$
 - sign 75375.108 ± 8.946 $\chi^2/\text{NDF}: 2533027.9/59$

diff_bpm0r05Y_mean vs Slug



Right In: 1.245 ± 0.766 χ^2/NDF : 537.5/34

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

Right Out: 8.624 ± 0.795 χ^2/NDF : 1440.6/36

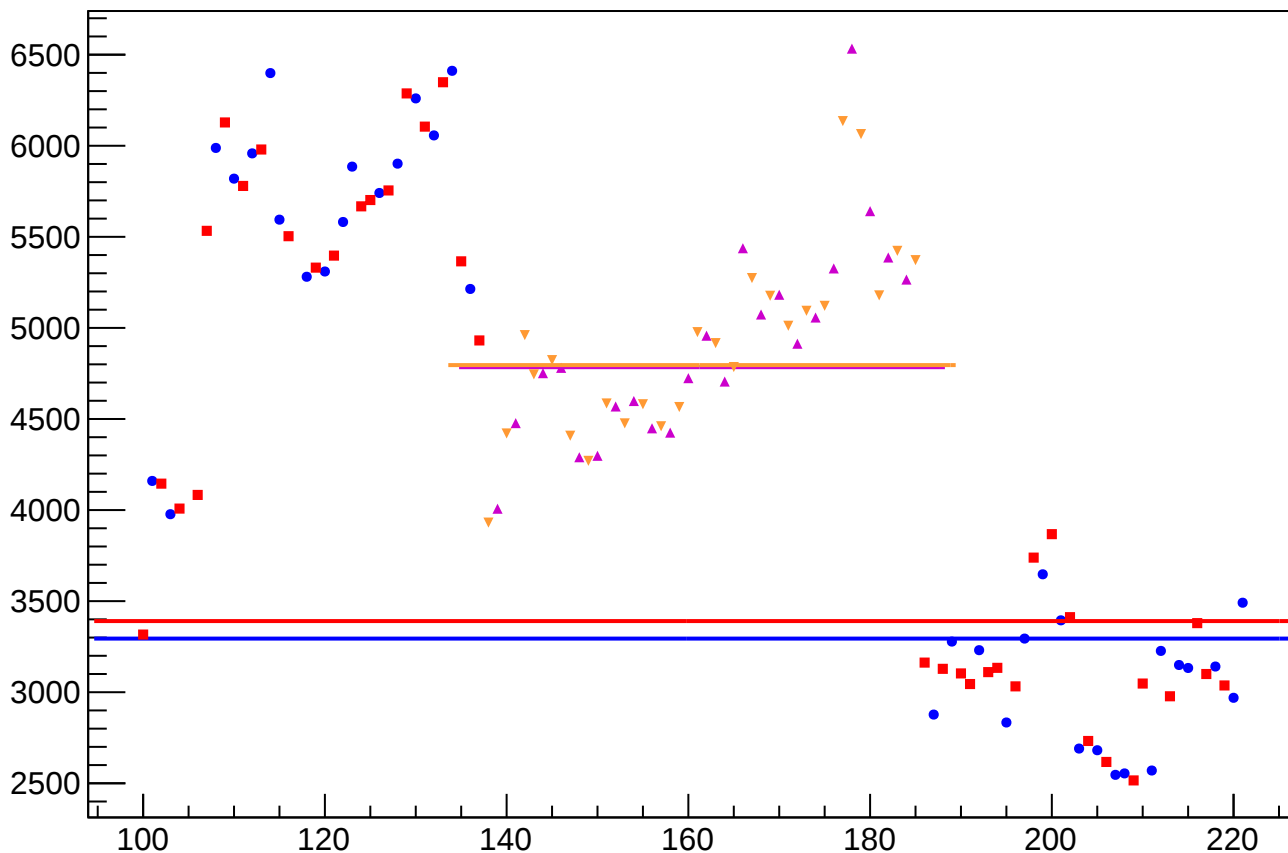
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -1.172 ± 0.633 χ^2/NDF : 614.3/59

All: 1.832 ± 0.455 χ^2/NDF : 2242.8/119

- sign 5.049 ± 0.655 χ^2/NDF : 1581.9/59

diff_bpm0r05Y_rms vs Slug



Right In: 3294.386 $\pm$ 0.542 χ^2 /NDF: 2724207.4/34

Left Out: 4795.847 $\pm$ 0.795 χ^2 /NDF: 361249.7/24

Right Out: 3390.578 $\pm$ 0.562 χ^2 /NDF: 2614843.9/36

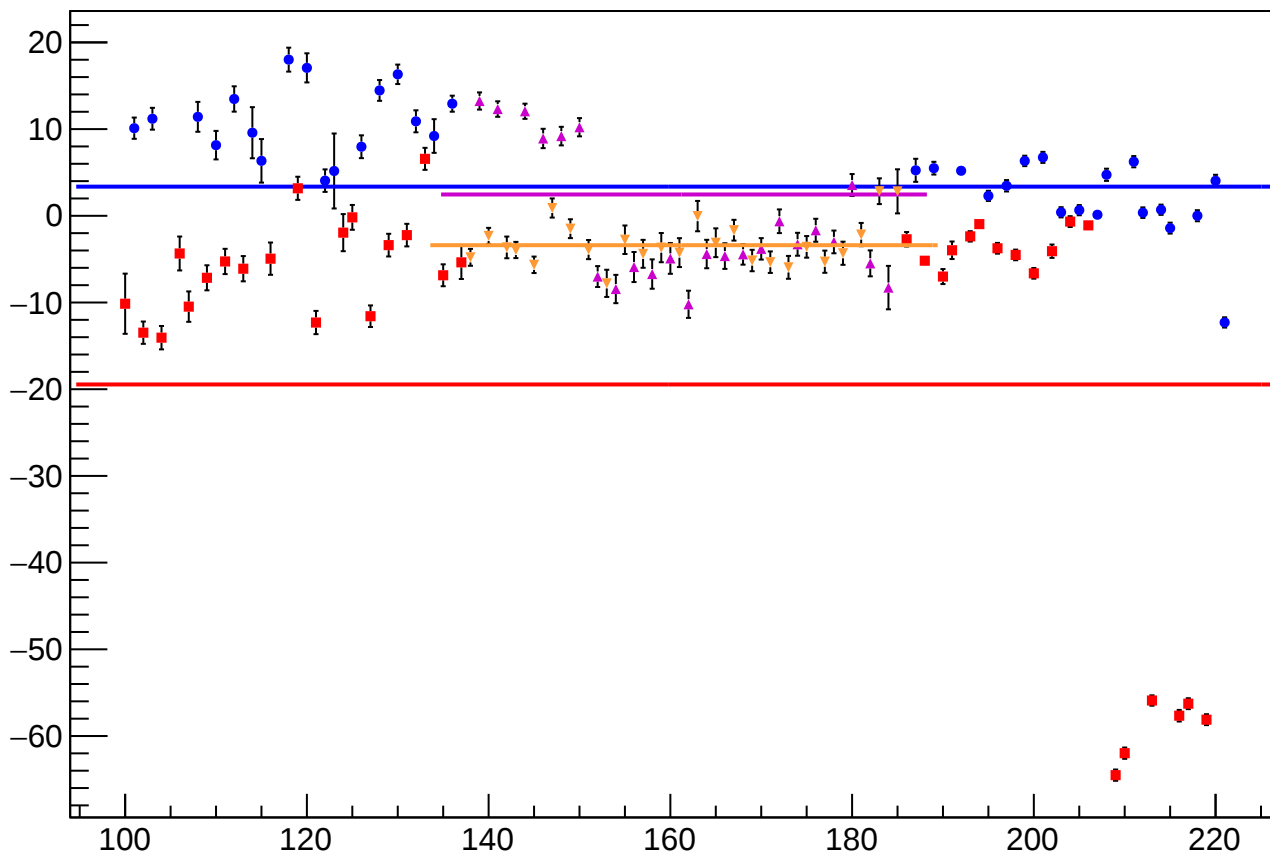
Left In: 4784.434 $\pm$ 0.817 χ^2 /NDF: 357507.2/22

+ sign 3770.949 $\pm$ 0.448 χ^2 /NDF: 5522111.8/59

All: 3803.546 $\pm$ 0.322 χ^2 /NDF: 10479115.7/104

- sign 3838.455 $\pm$ 0.463 χ^2 /NDF: 4946026.0/59

diff_bpm2i01X_mean vs Slug



Right In: 3.365 ± 0.137 χ^2/NDF : 1725.5/34

Left Out: -3.390 ± 0.252 χ^2/NDF : 77.7/24

Right Out: -19.453 ± 0.138 χ^2/NDF : 32775.5/36

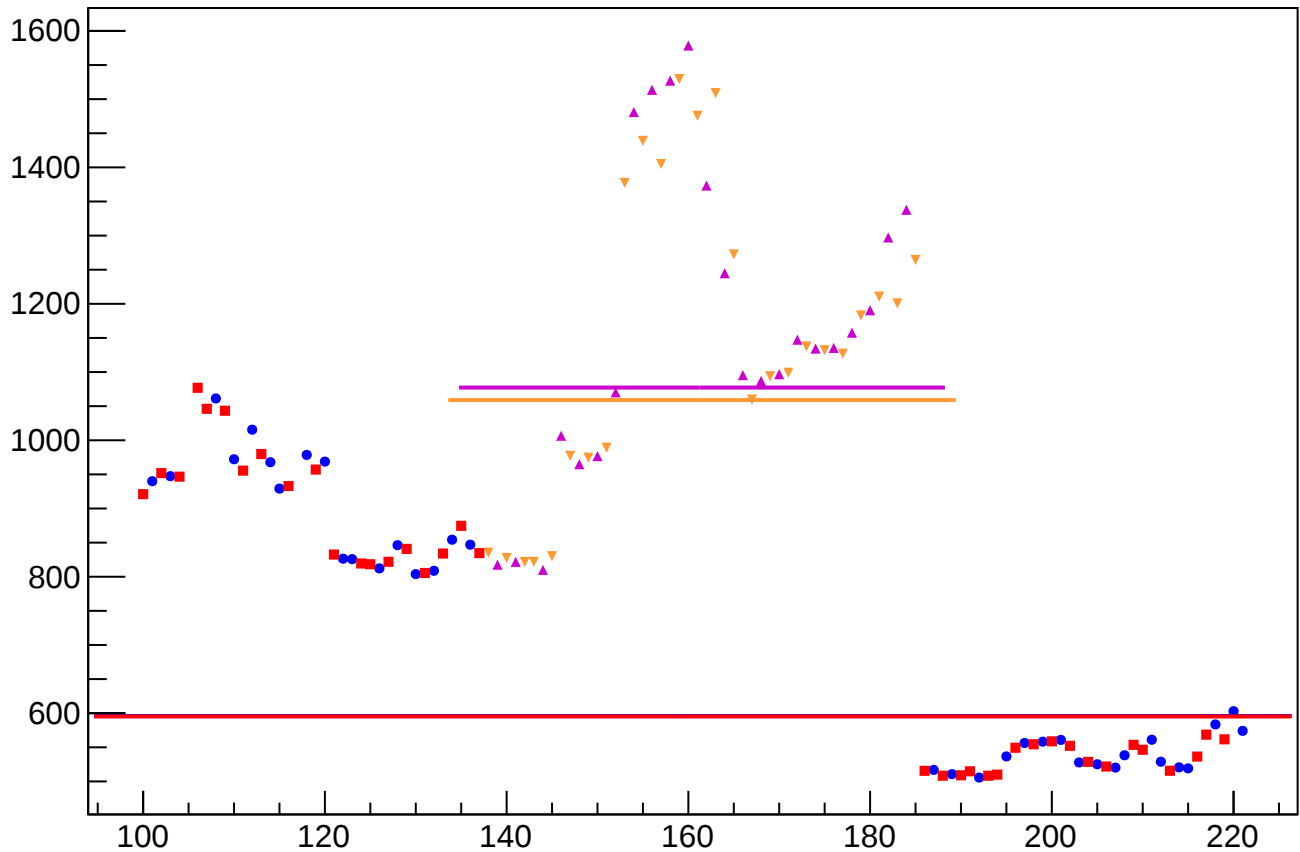
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

+ sign 1.832 ± 0.120 χ^2/NDF : 2357.6/59

All: -6.298 ± 0.086 χ^2/NDF : 50794.2/119

- sign -14.748 ± 0.122 χ^2/NDF : 39099.5/59

diff_bpm2i01X_rms vs Slug



Right In: 595.908 $\pm$ 0.097 χ^2 /NDF: 1899937.0/34

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

Right Out: 595.214 $\pm$ 0.098 χ^2 /NDF: 2114119.3/36

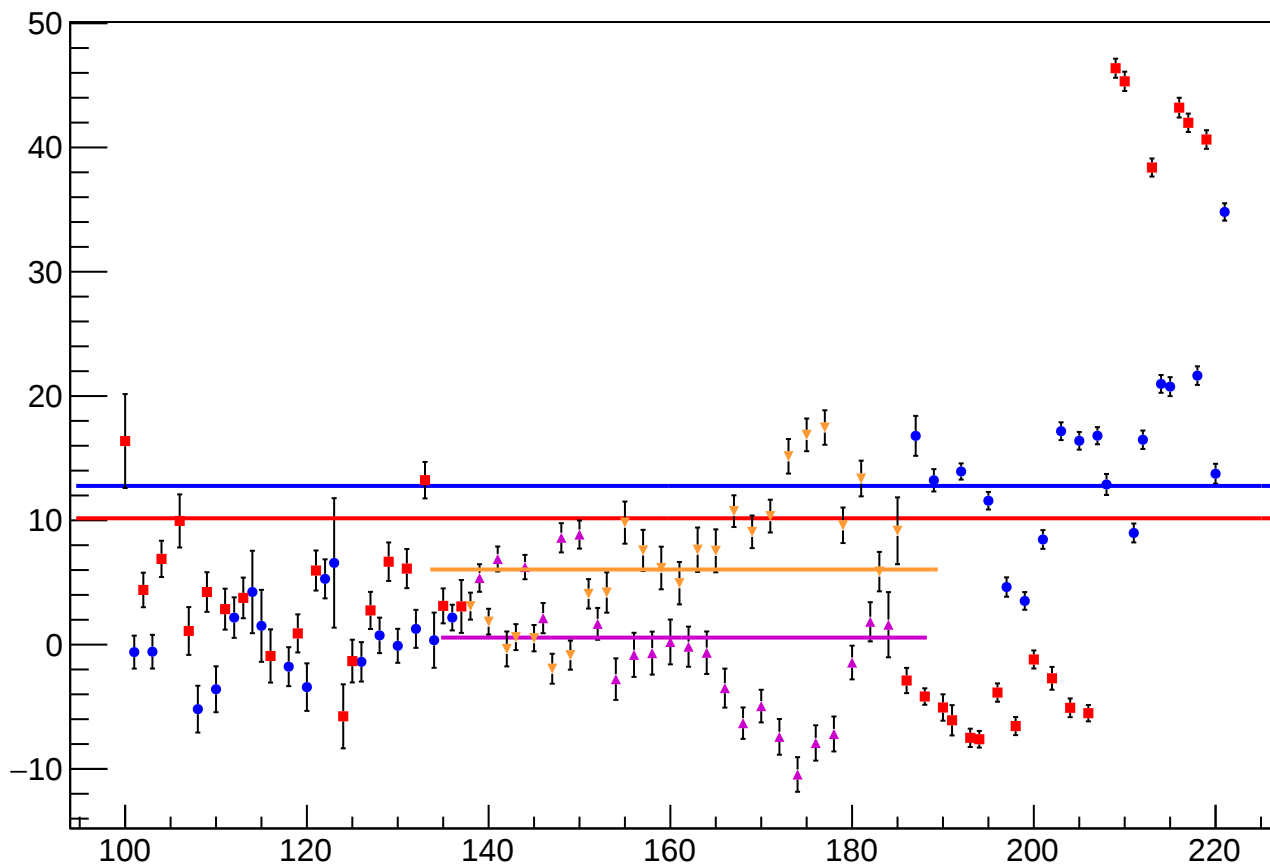
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF:1280349.9/22

+ sign 700.968 $\pm$ 0.085 χ^2 /NDF: 8512898.6/59

All: 699.864 $\pm$ 0.061 χ^2 /NDF: 17130166.0/11

- sign 698.717 $\pm$ 0.087 χ^2 /NDF: 8616923.3/59

diff_bpm2i01Y_mean vs Slug



Right In: 12.769 $\pm$ 0.163 χ^2 /NDF: 2898.3/34

Left Out: 6.045 $\pm$ 0.272 χ^2 /NDF: 430.8/24

Right Out: 10.165 $\pm$ 0.165 χ^2 /NDF: 15936.6/36

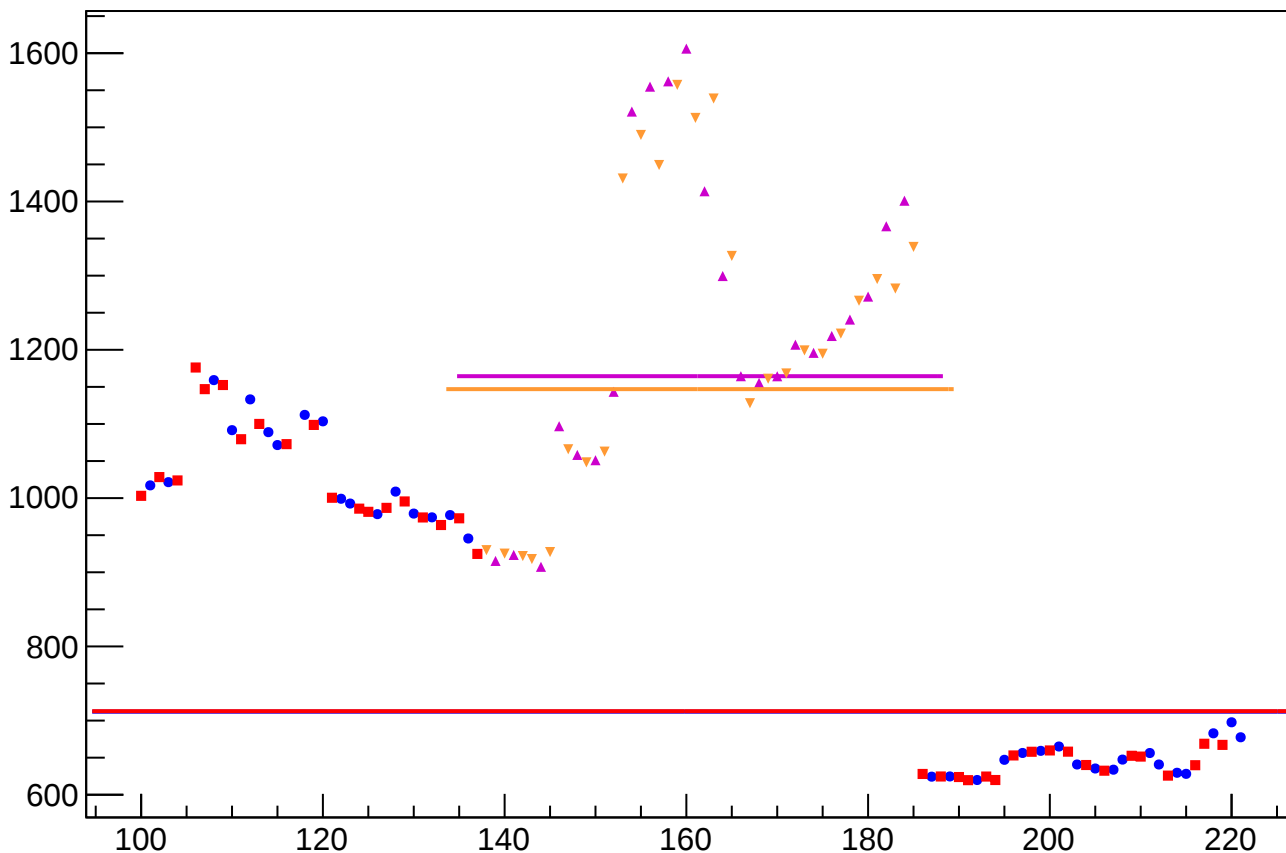
Left In: 0.566 $\pm$ 0.284 χ^2 /NDF: 417.0/22

+ sign 10.996 $\pm$ 0.140 χ^2 /NDF: 3780.2/59

All: 9.408 $\pm$ 0.100 χ^2 /NDF: 21253.0/119

- sign 7.751 $\pm$ 0.142 χ^2 /NDF: 17208.0/59

diff_bpm2i01Y_rms vs Slug



Right In: 712.011+/-0.115 χ^2/NDF : 1572580.2/34

Left Out: 1146.960+/-0.192 χ^2/NDF :1045761.4/24

Right Out: 712.688+/-0.116 χ^2/NDF : 1737170.0/36

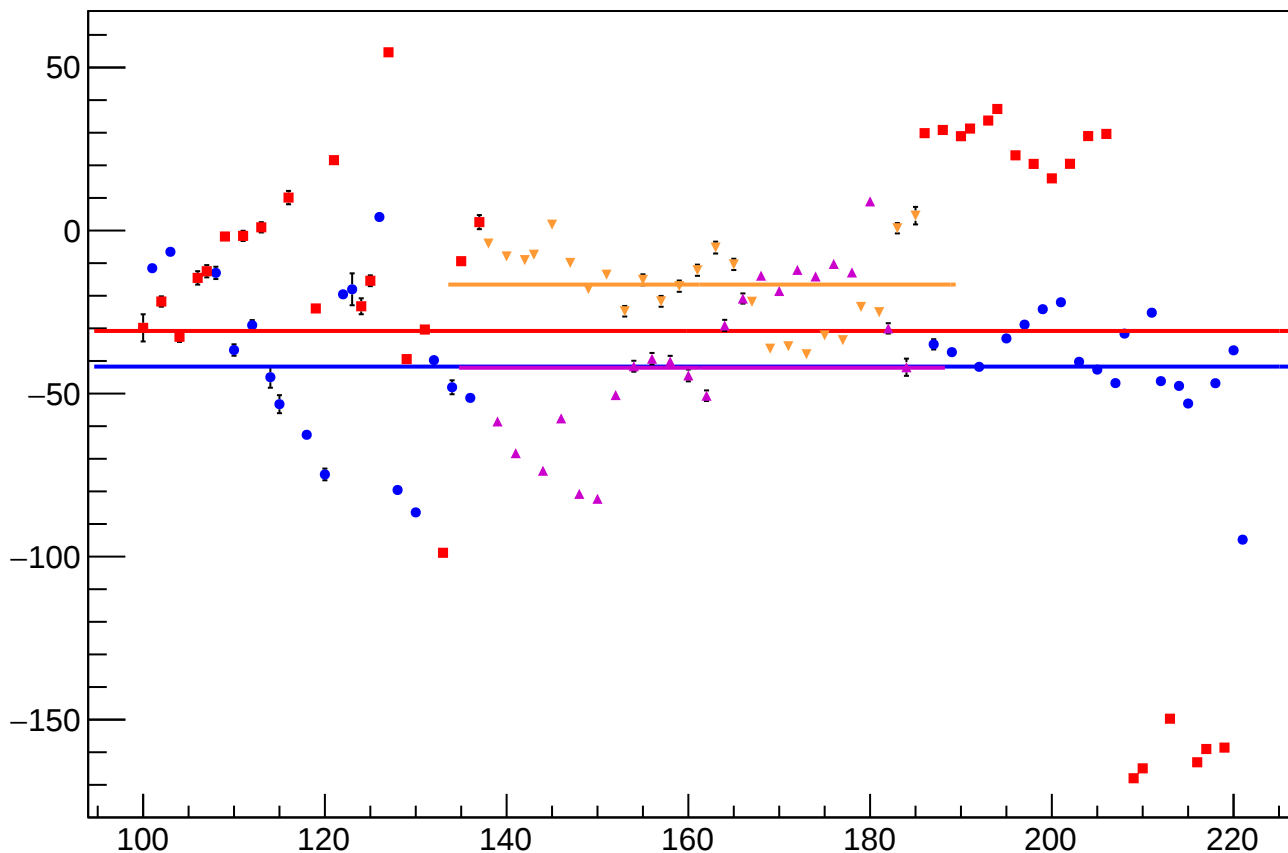
Left In: 1164.432+/-0.201 χ^2/NDF :944112.0/22

+ sign 826.724+/-0.099 χ^2/NDF : 6392757.6/59

All: 826.524+/-0.070 χ^2/NDF : 12858278.8/1

- sign 826.316+/-0.101 χ^2/NDF : 6465512.8/59

diff_bpm2i02X_mean vs Slug



Right In: -41.722 ± 0.161 χ^2/NDF : 13504.7/34

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

Right Out: -30.793 ± 0.163 χ^2/NDF : 250919.9/36

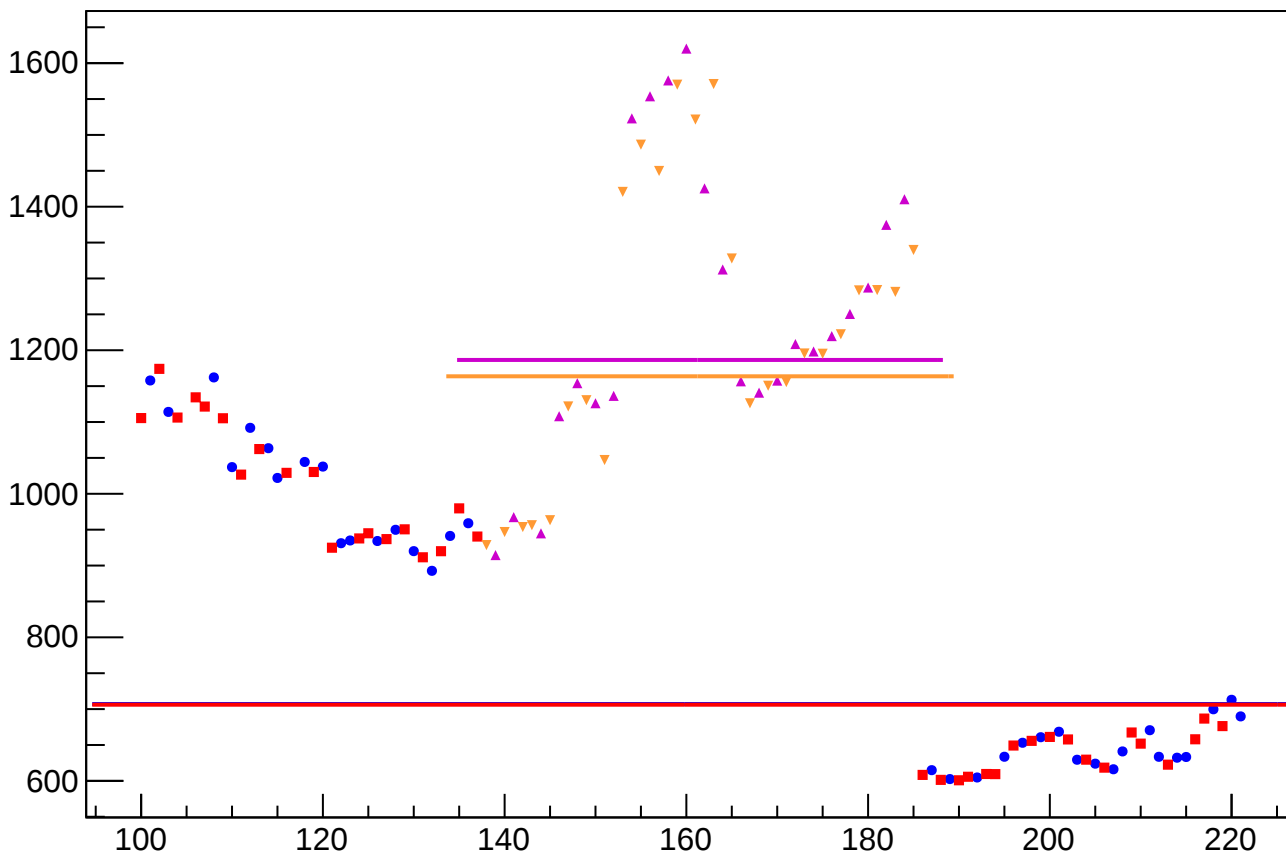
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

+ sign -35.288 ± 0.139 χ^2/NDF : 21651.3/59

All: -34.420 ± 0.099 χ^2/NDF : 282138.4/119

- sign -33.517 ± 0.142 χ^2/NDF : 260407.9/59

diff_bpm2i02X_rms vs Slug



Right In: 707.021+/-0.114 χ^2/NDF : 1552589.8/34

Left Out: 1163.691+/-0.195 χ^2/NDF : 936079.1/24

Right Out: 706.171+/-0.115 χ^2/NDF : 1706613.1/36

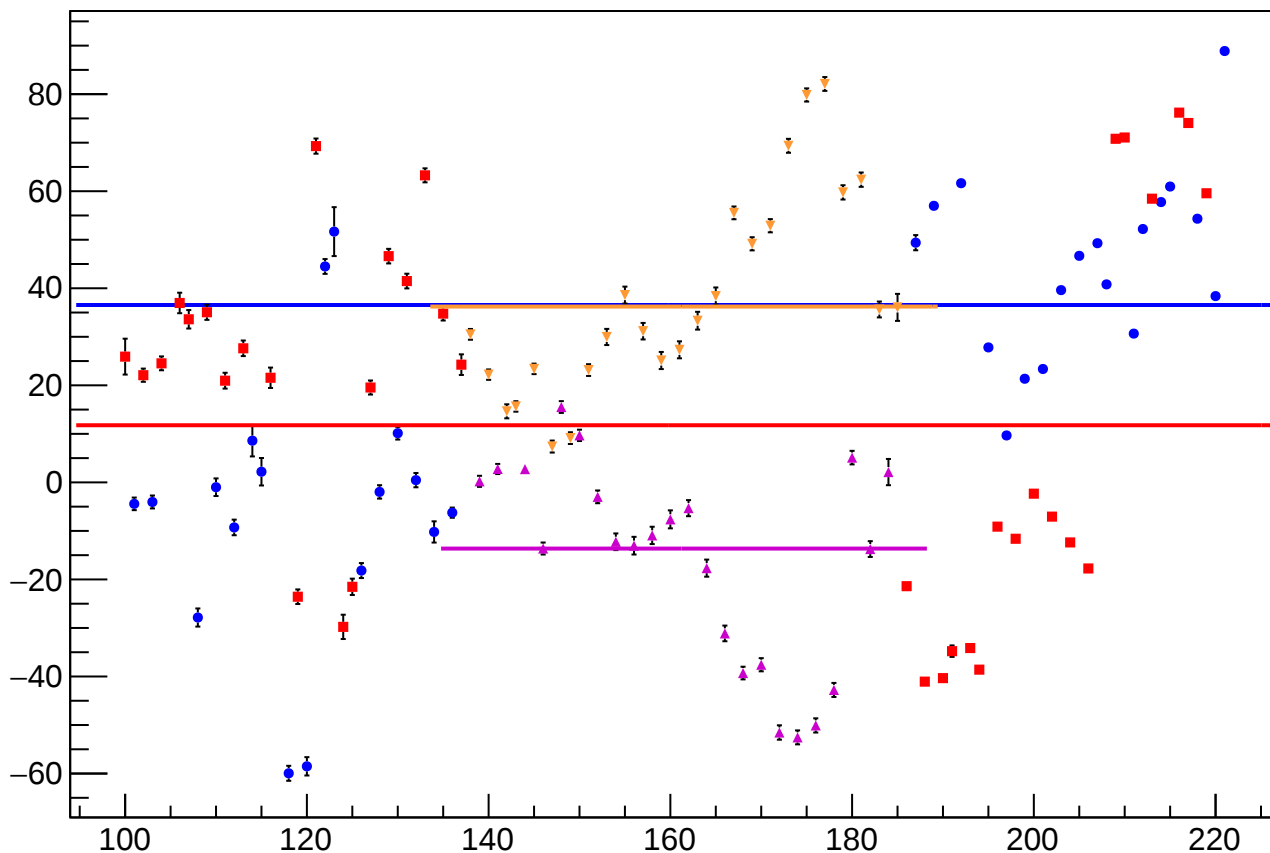
Left In: 1186.476+/-0.204 χ^2/NDF : 833420.3/22

+ sign 823.835+/-0.098 χ^2/NDF : 6585432.7/59

All: 823.002+/-0.070 χ^2/NDF : 13313375.5/11

- sign 822.135+/-0.100 χ^2/NDF : 6727796.8/59

diff_bpm2i02Y_mean vs Slug



Right In: 36.552 ± 0.159 χ^2/NDF : 30103.1/34

Left Out: 36.234 ± 0.280 χ^2/NDF : 5794.2/24

Right Out: 11.773 ± 0.161 χ^2/NDF : 69179.4/36

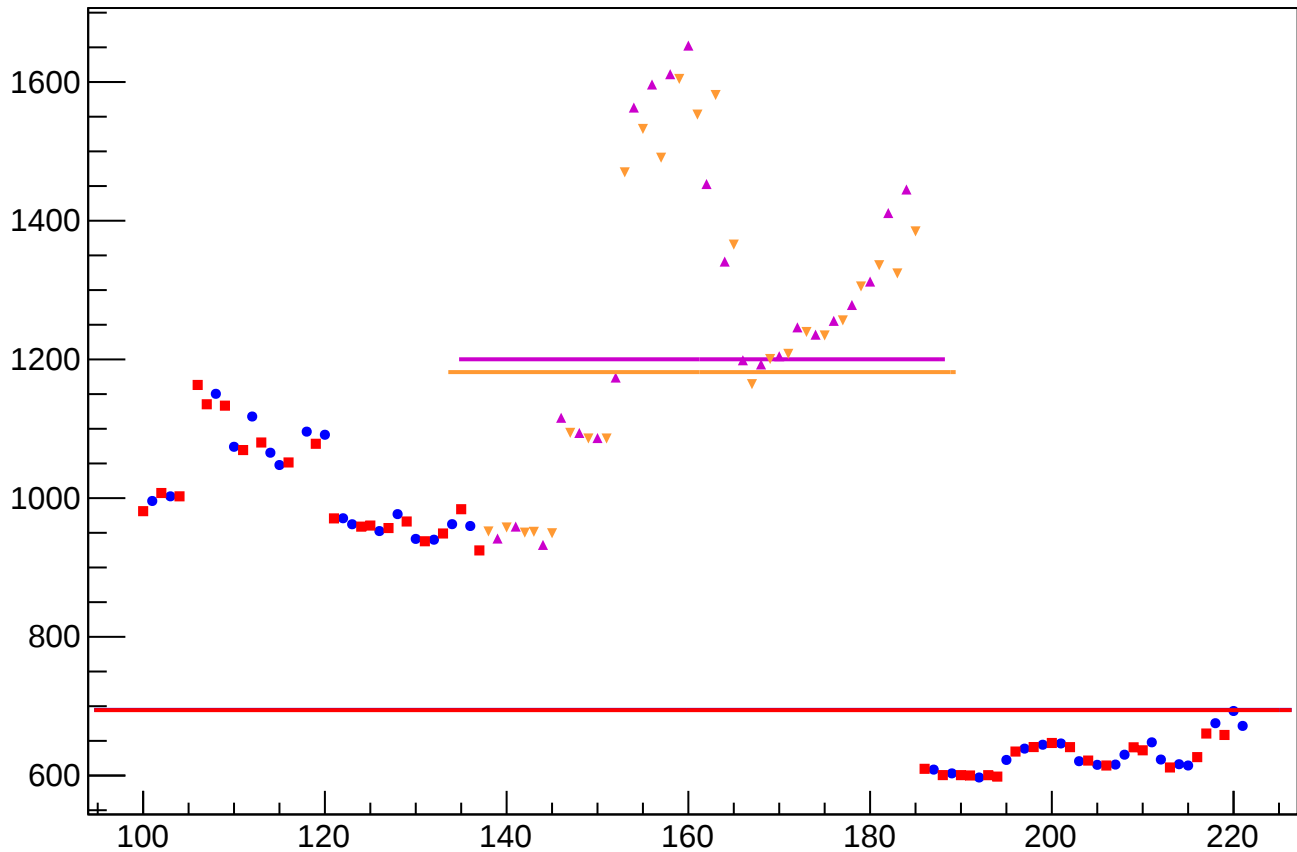
Left In: -13.640 ± 0.293 χ^2/NDF : 5178.0/22

+ sign 36.474 ± 0.138 χ^2/NDF : 35898.3/59

All: 21.484 ± 0.099 χ^2/NDF : 140093.1/119

- sign 5.898 ± 0.141 χ^2/NDF : 80149.2/59

diff_bpm2i02Y_rms vs Slug



Right In: 694.698 ± 0.112 $\chi^2/\text{NDF}: 1631248.1/34$

Left Out: 1181.732 ± 0.198 $\chi^2/\text{NDF}: 1043520.8/24$

Right Out: 694.315 ± 0.114 $\chi^2/\text{NDF}: 1801500.5/36$

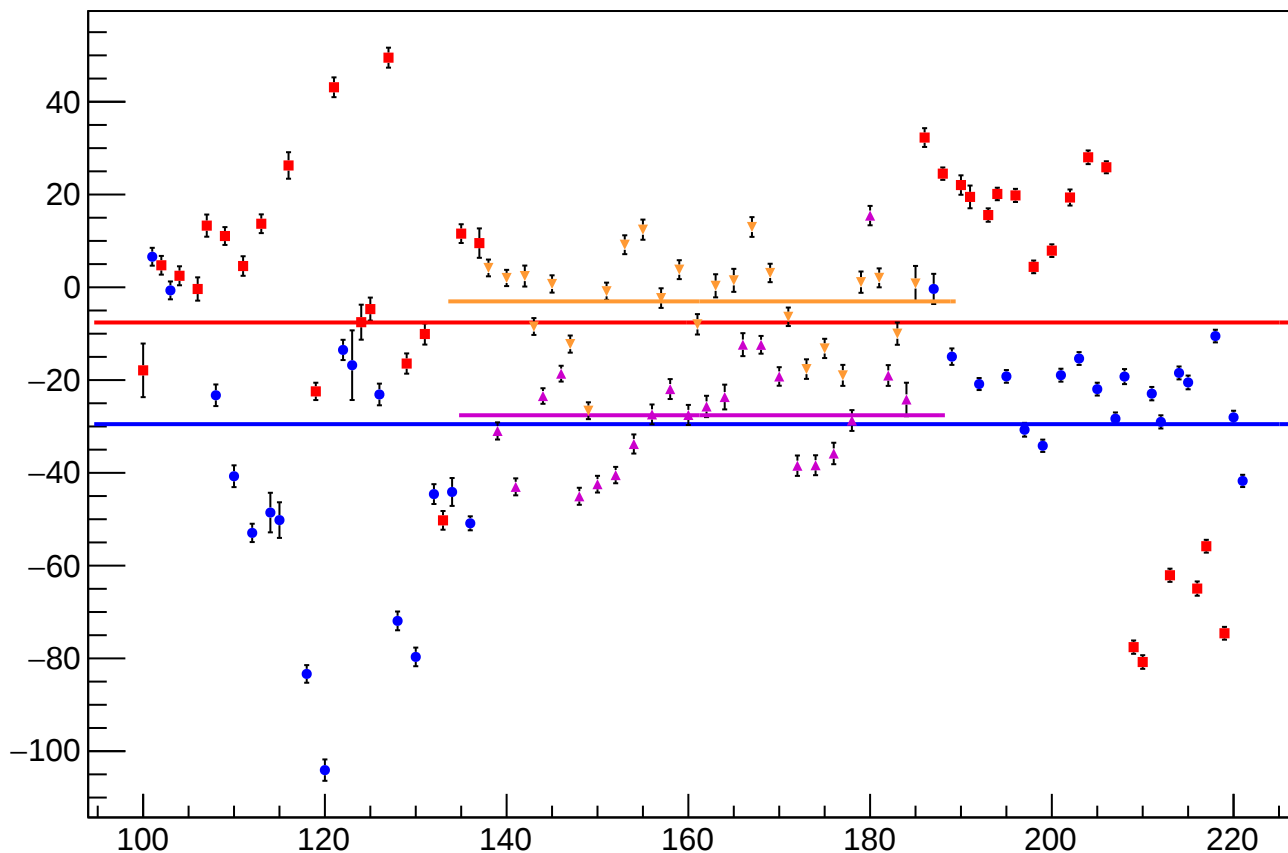
Left In: 1200.198 ± 0.207 $\chi^2/\text{NDF}: 938224.7/22$

+ sign 813.223 ± 0.098 $\chi^2/\text{NDF}: 7257385.1/59$

All: 812.262 ± 0.070 $\chi^2/\text{NDF}: 14587554.1/11$

- sign 811.263 ± 0.100 $\chi^2/\text{NDF}: 7329971.5/59$

diff_bpm0i02X_mean vs Slug



Right In: -29.502 ± 0.288 $\chi^2/\text{NDF}: 4944.8/34$

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

Right Out: -7.584 ± 0.292 $\chi^2/\text{NDF}: 17778.4/36$

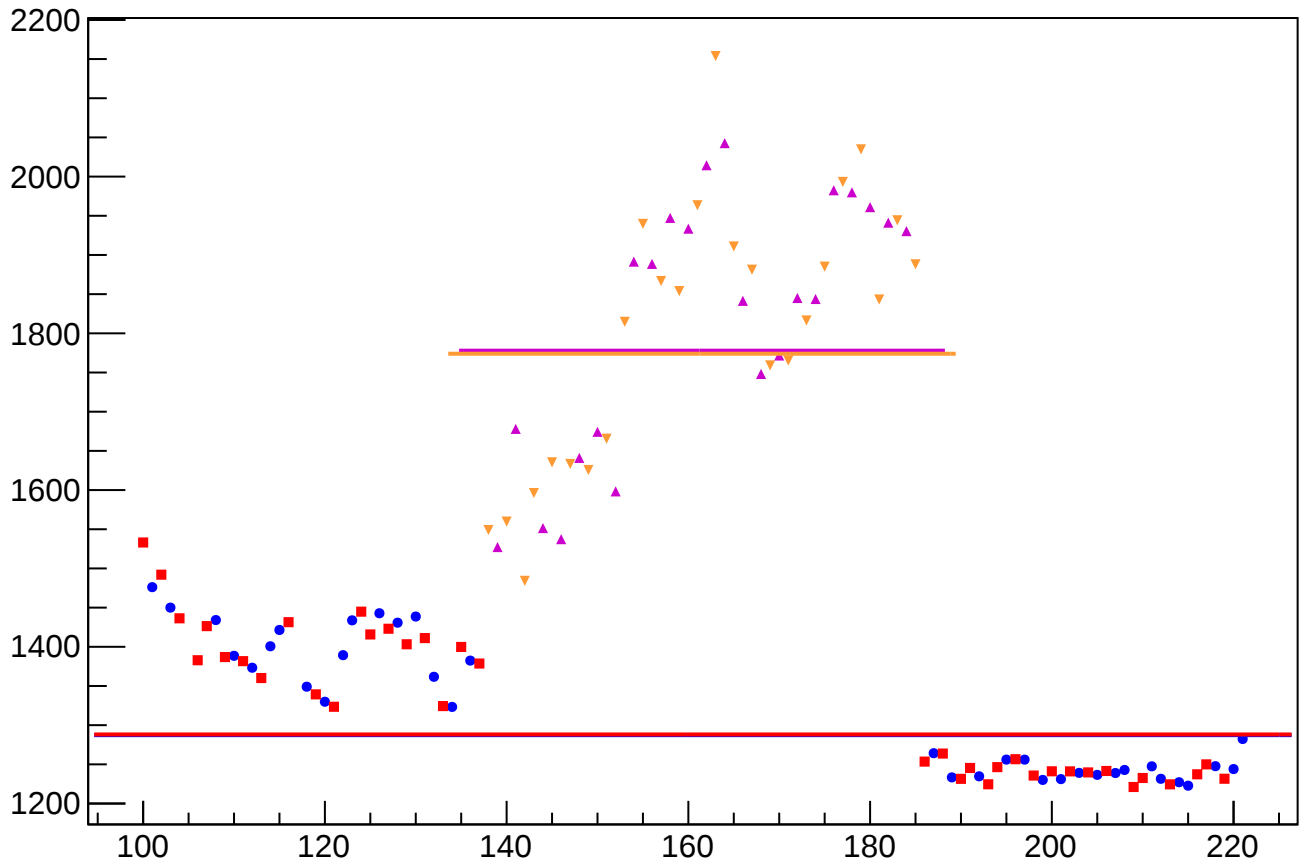
Left In: -27.583 ± 0.429 $\chi^2/\text{NDF}: 960.1/22$

+ sign -20.883 ± 0.237 $\chi^2/\text{NDF}: 8241.5/59$

All: -17.454 ± 0.169 $\chi^2/\text{NDF}: 28893.1/119$

- sign -13.901 ± 0.241 $\chi^2/\text{NDF}: 20225.1/59$

diff_bpm0i02X_rms vs Slug



Right In: 1287.268 $\pm$ 0.204 χ^2 /NDF: 140635.3/34

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

Right Out: 1288.151 $\pm$ 0.206 χ^2 /NDF: 139229.1/36

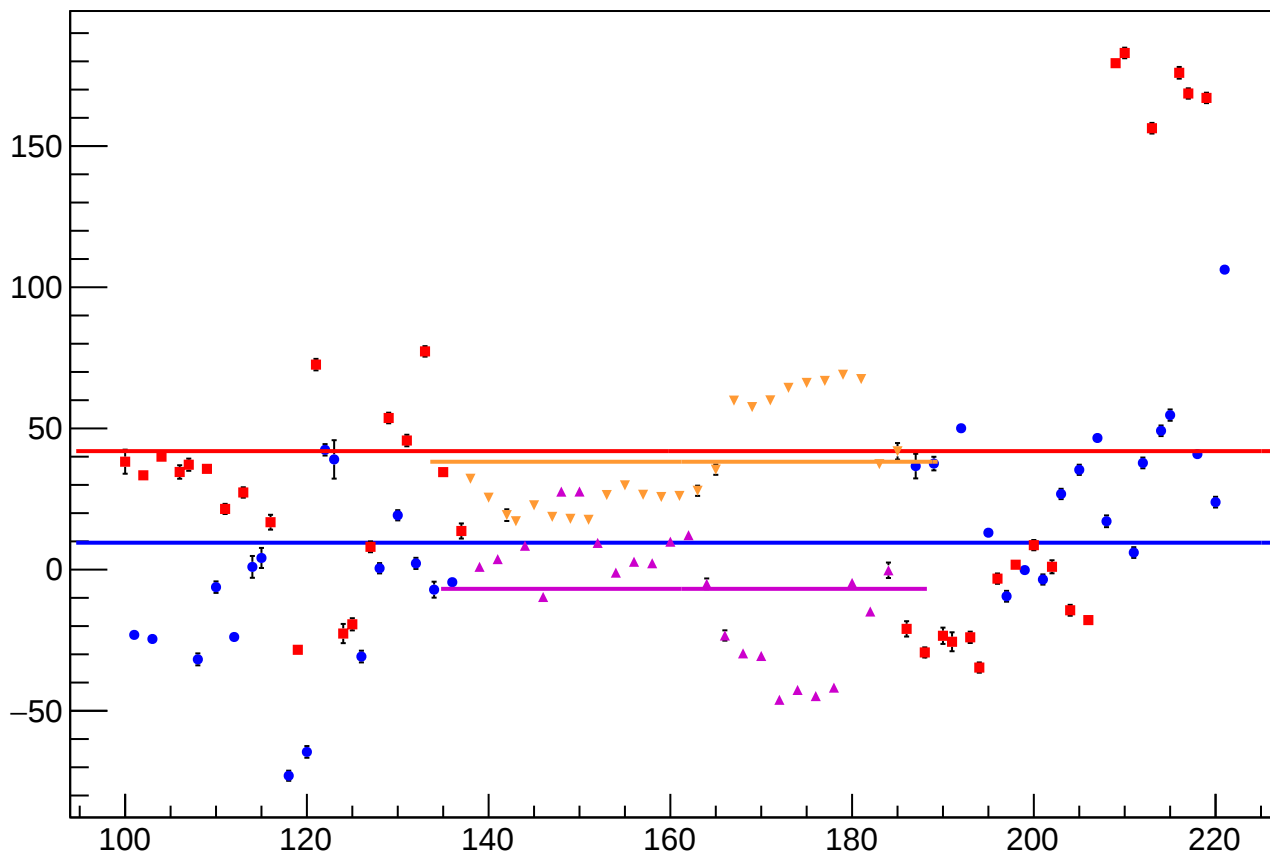
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

+ sign 1445.777 $\pm$ 0.168 χ^2 /NDF: 2307793.4/59

All: 1444.337 $\pm$ 0.119 χ^2 /NDF: 4529555.2/11

- sign 1442.846 $\pm$ 0.171 χ^2 /NDF: 2221611.3/59

diff_bpm0i02Y_mean vs Slug



Right In: 9.531 ± 0.326 $\chi^2/\text{NDF}: 12493.9/34$

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

Right Out: 41.964 ± 0.325 $\chi^2/\text{NDF}: 43223.6/36$

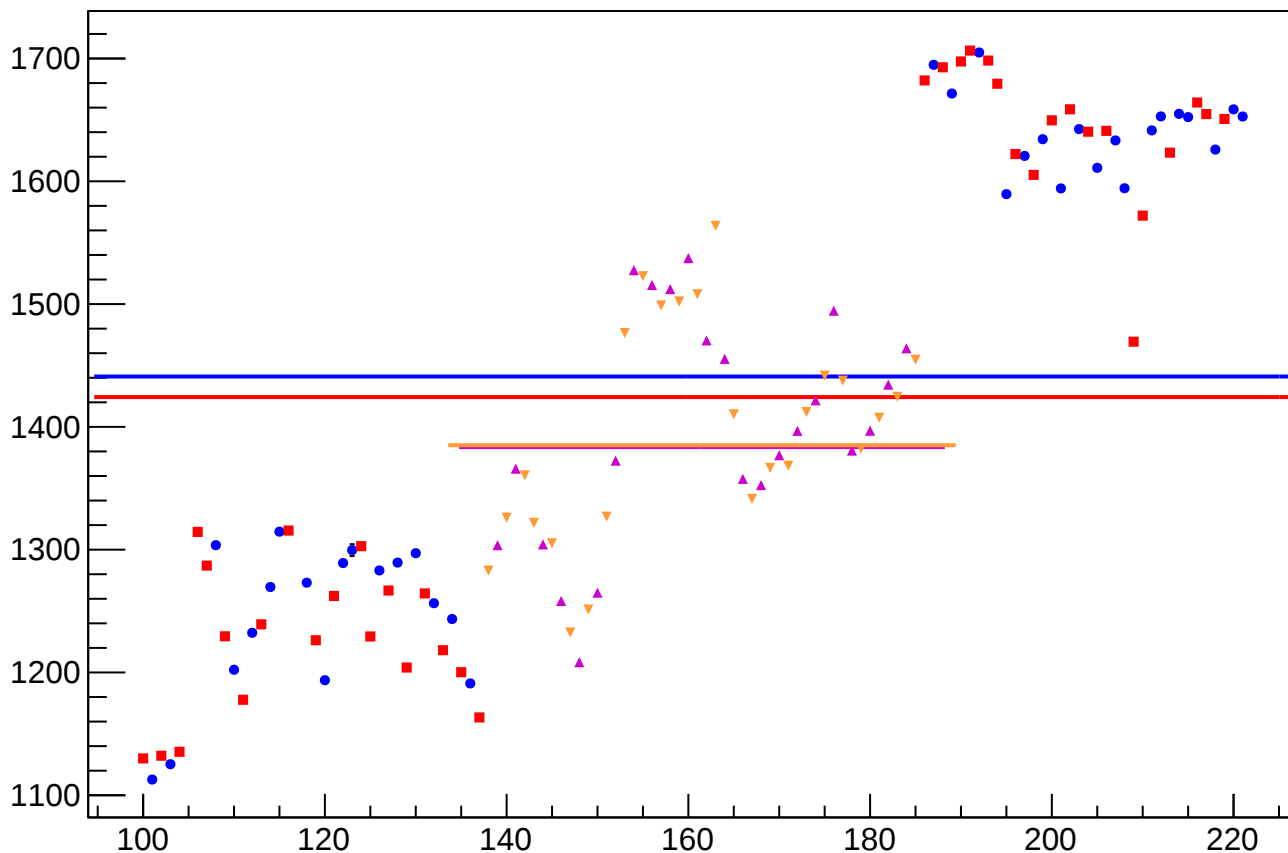
Left In: -6.808 ± 0.333 $\chi^2/\text{NDF}: 4494.5/22$

+ sign 23.982 ± 0.230 $\chi^2/\text{NDF}: 19908.7/59$

All: 21.099 ± 0.163 $\chi^2/\text{NDF}: 78918.7/119$

- sign 18.135 ± 0.233 $\chi^2/\text{NDF}: 58690.2/59$

diff_bpm0i02Y_rms vs Slug



Right In: 1441.023+/-0.230 χ^2/NDF : 848227.3/34

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

Right Out: 1424.270+/-0.230 χ^2/NDF : 884047.1/36

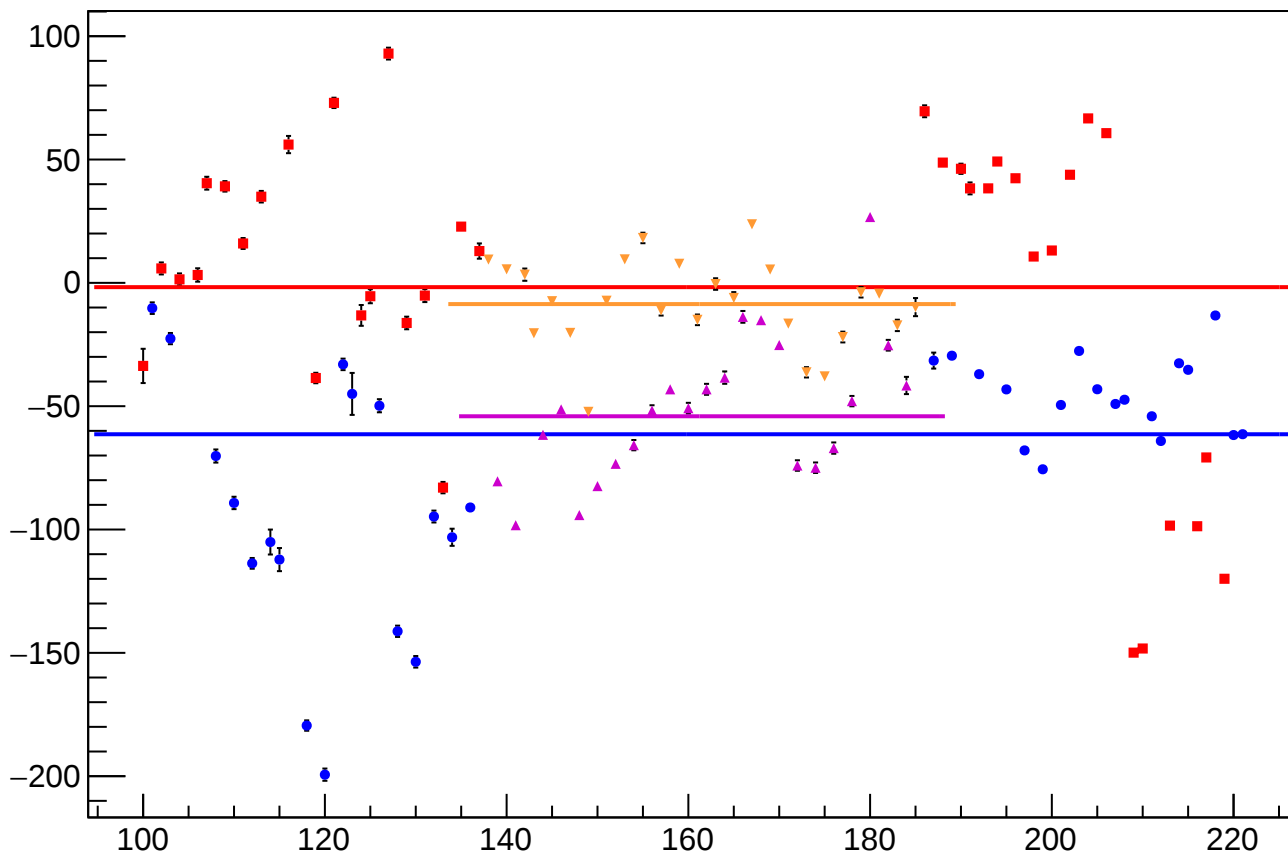
Left In: 1383.558+/-0.235 χ^2/NDF : 154696.0/22

+ sign 1412.822+/-0.162 χ^2/NDF : 1023938.0/59

All: 1408.659+/-0.116 χ^2/NDF : 2079305.2/11

- sign 1404.379+/-0.165 χ^2/NDF : 1054033.1/59

diff_bpm0i02aX_mean vs Slug



Right In: -61.378 ± 0.328 χ^2/NDF : 14748.4/34

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

Right Out: -1.739 ± 0.326 χ^2/NDF : 44142.3/36

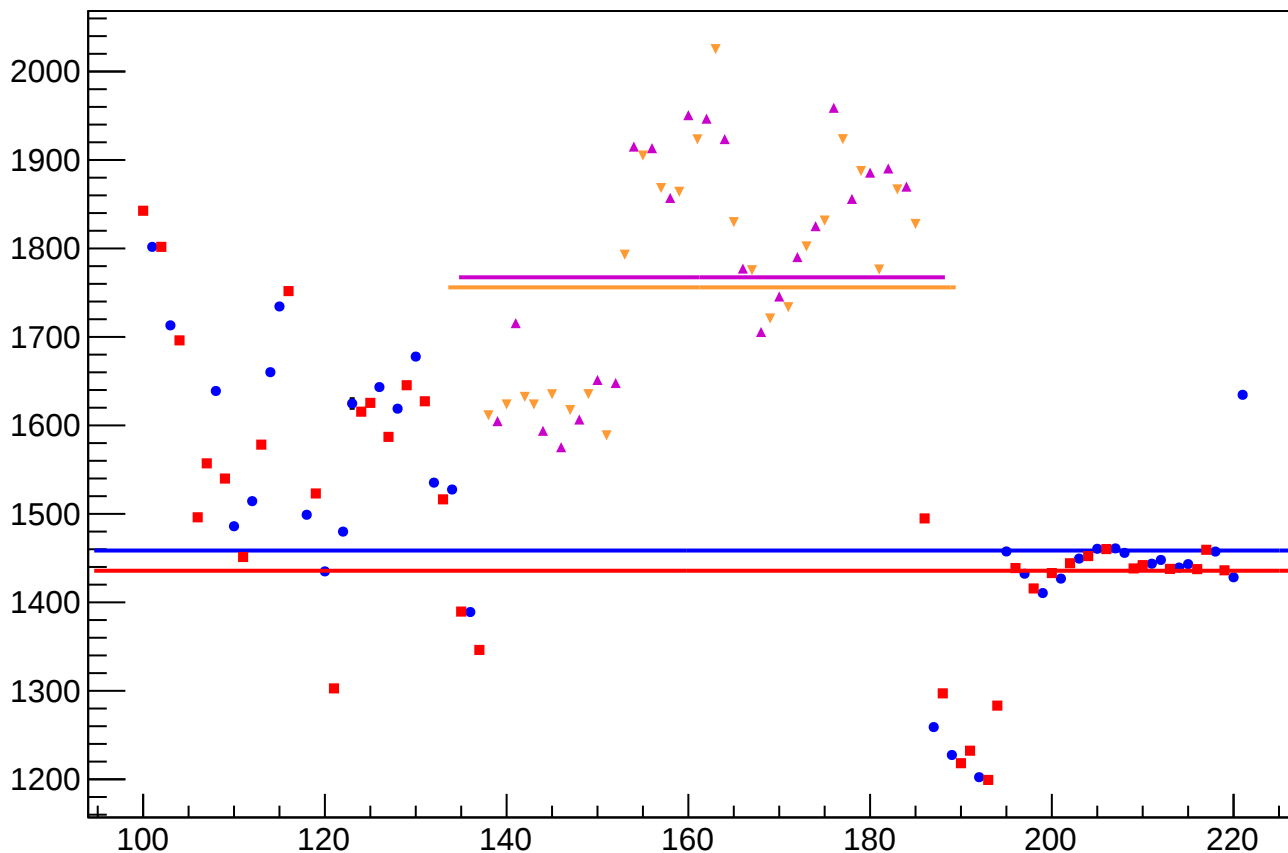
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

+ sign -40.830 ± 0.256 χ^2/NDF : 26784.5/59

All: -31.049 ± 0.182 χ^2/NDF : 88141.0/119

- sign -21.066 ± 0.259 χ^2/NDF : 58406.1/59

diff_bpm0i02aX_rms vs Slug



Right In: 1458.562 $\pm$ 0.232 χ^2 /NDF: 284845.1/34

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

Right Out: 1435.738 $\pm$ 0.230 χ^2 /NDF: 309256.4/36

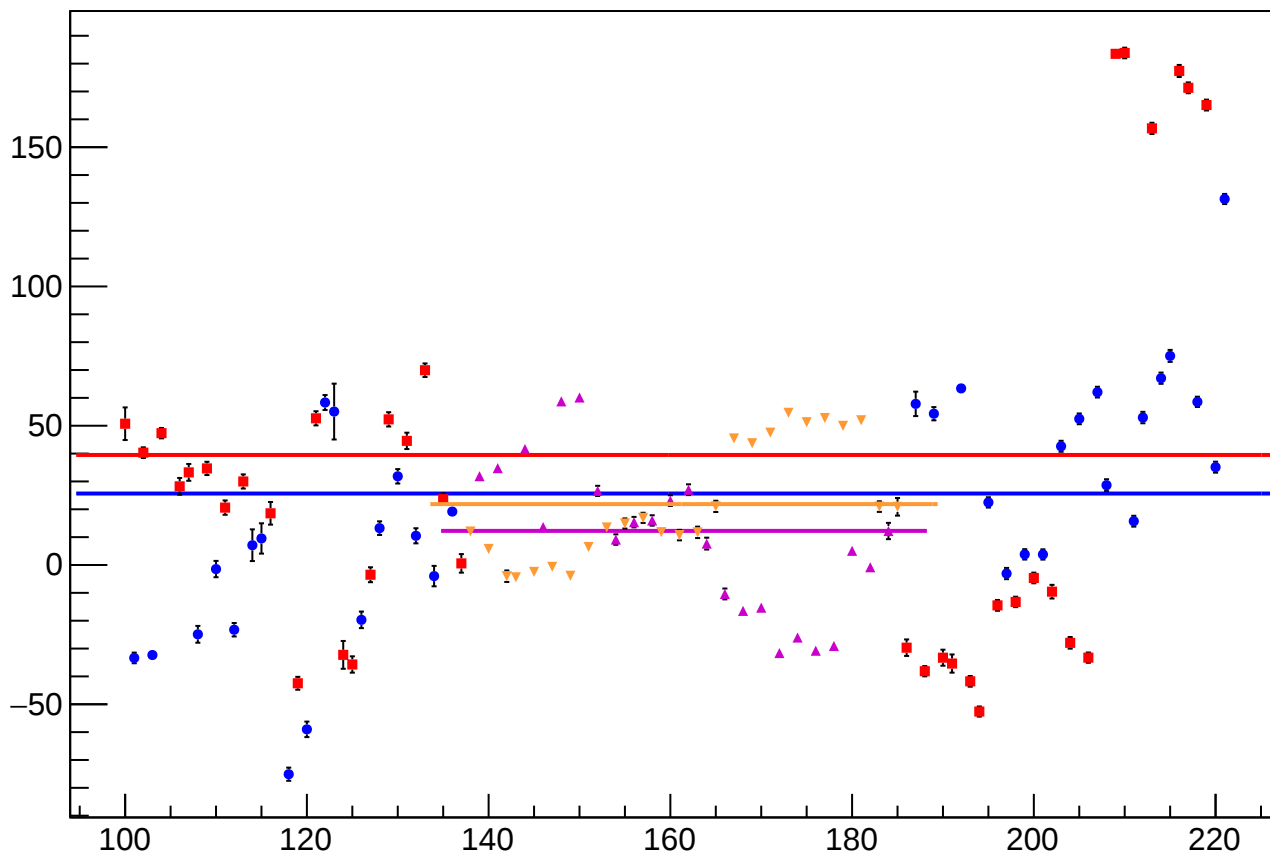
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF:187958.2/22

+ sign 1574.387 $\pm$ 0.181 χ^2 /NDF: 1102807.2/59

All: 1566.369 $\pm$ 0.129 χ^2 /NDF: 2370070.5/11

- sign 1558.183 $\pm$ 0.183 χ^2 /NDF: 1263297.2/59

diff_bpm0i02aY_mean vs Slug



Right In: 25.658 ± 0.377 χ^2/NDF : 12706.0/34

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

Right Out: 39.505 ± 0.376 χ^2/NDF : 45427.2/36

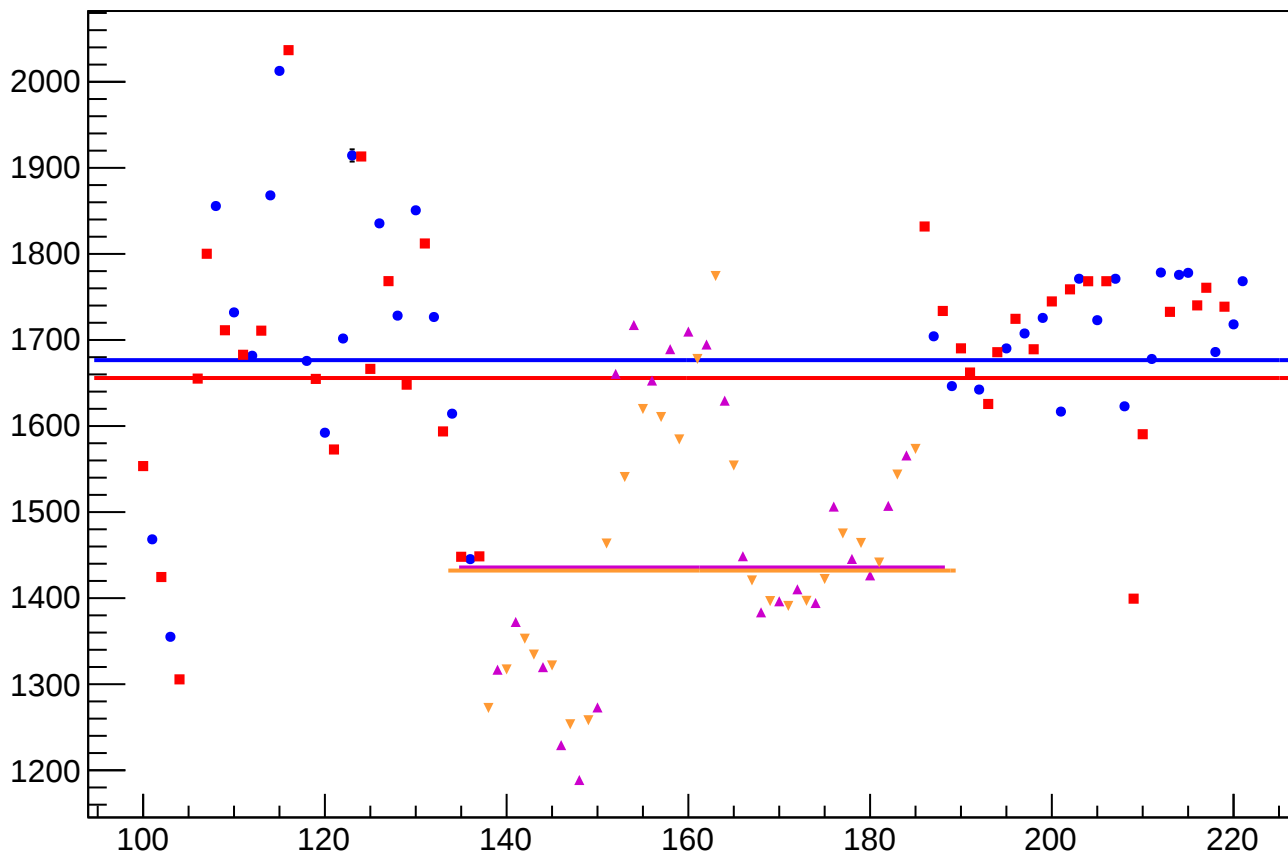
Left In: 12.246 ± 0.347 χ^2/NDF : 6781.6/22

+ sign 23.537 ± 0.250 χ^2/NDF : 16873.4/59

All: 24.156 ± 0.179 χ^2/NDF : 71935.4/119

- sign 24.798 ± 0.255 χ^2/NDF : 55049.6/59

diff_bpm0i02aY_rms vs Slug



Right In: 1676.575 ± 0.266 $\chi^2/\text{NDF}: 205355.0/34$

Left Out: 1432.060 ± 0.237 $\chi^2/\text{NDF}: 297360.3/24$

Right Out: 1655.797 ± 0.266 $\chi^2/\text{NDF}: 272586.5/36$

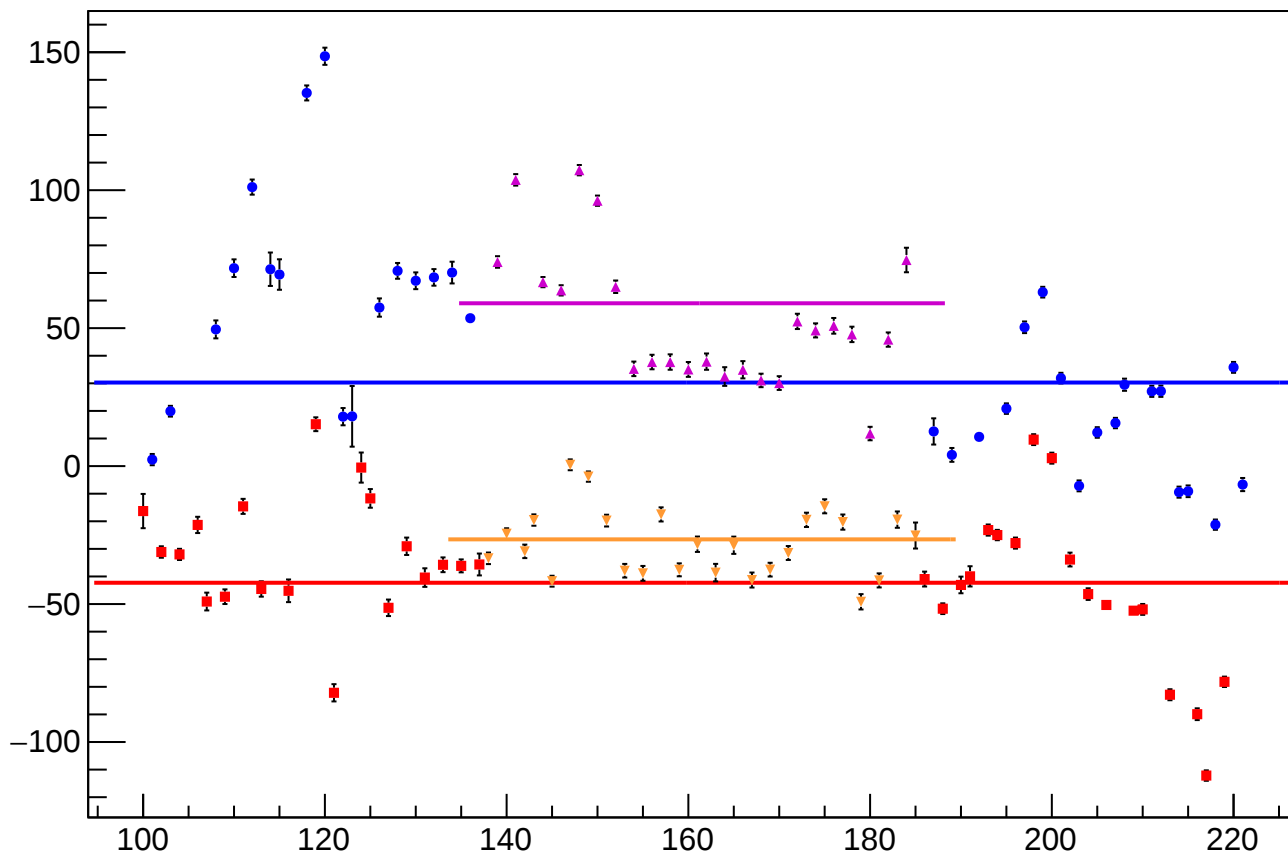
Left In: 1435.645 ± 0.245 $\chi^2/\text{NDF}: 420835.0/22$

+ sign 1540.204 ± 0.177 $\chi^2/\text{NDF}: 973070.7/59$

All: 1538.639 ± 0.126 $\chi^2/\text{NDF}: 2037226.9/11$

- sign 1537.016 ± 0.180 $\chi^2/\text{NDF}: 1063997.1/59$

diff_bpm0i05X_mean vs Slug



Right In: 30.286 ± 0.400 χ^2/NDF : 7878.7/34

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

Right Out: -42.278 ± 0.395 χ^2/NDF : 5285.3/36

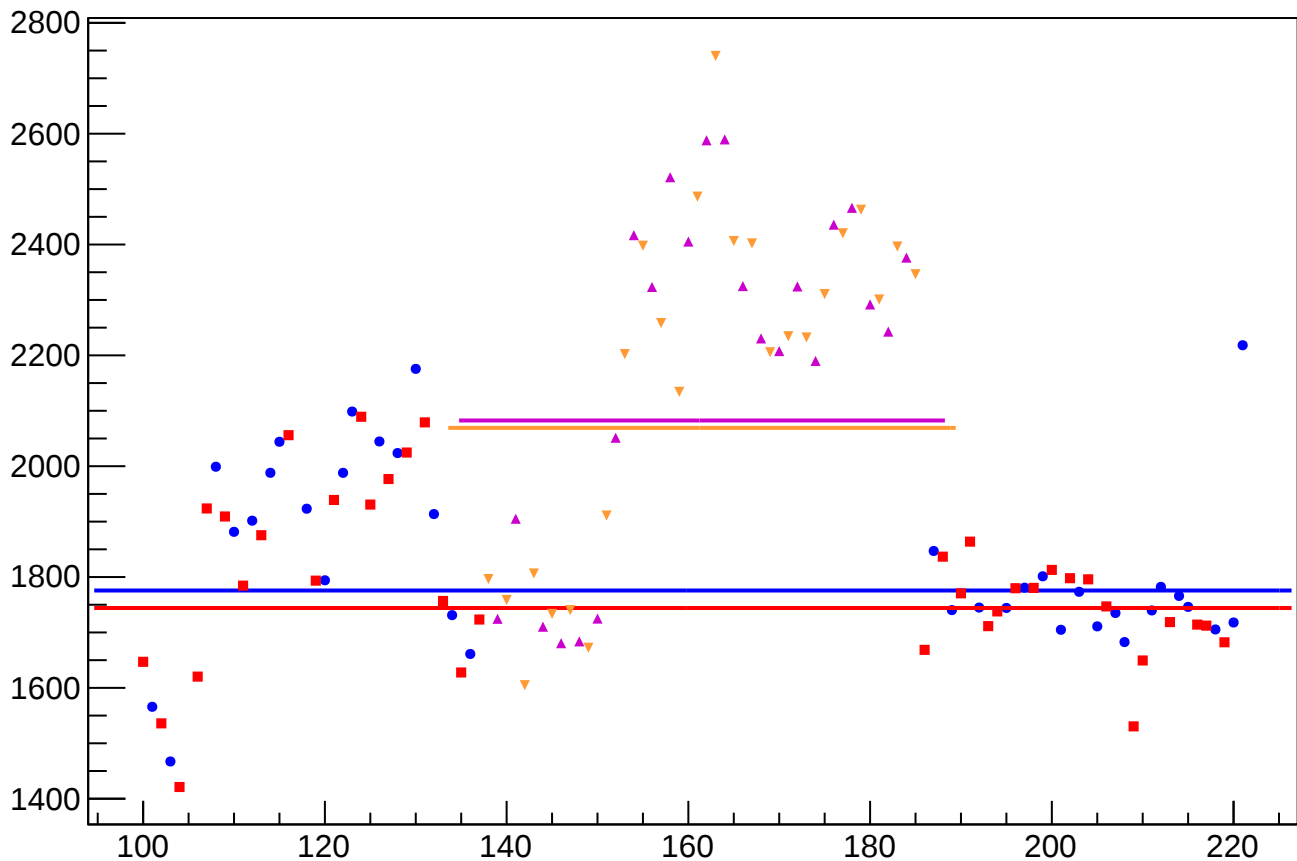
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

+ sign 7.454 ± 0.309 χ^2/NDF : 16718.0/59

All: 1.811 ± 0.219 χ^2/NDF : 50315.0/119

- sign -3.921 ± 0.312 χ^2/NDF : 32925.6/59

diff_bpm0i05X_rms vs Slug



Right In: 1775.708 $\pm$ 0.283 χ^2 /NDF: 272739.9/34

Left Out: 2069.146 $\pm$ 0.345 χ^2 /NDF: 799037.9/24

Right Out: 1744.116 $\pm$ 0.280 χ^2 /NDF: 231587.2/36

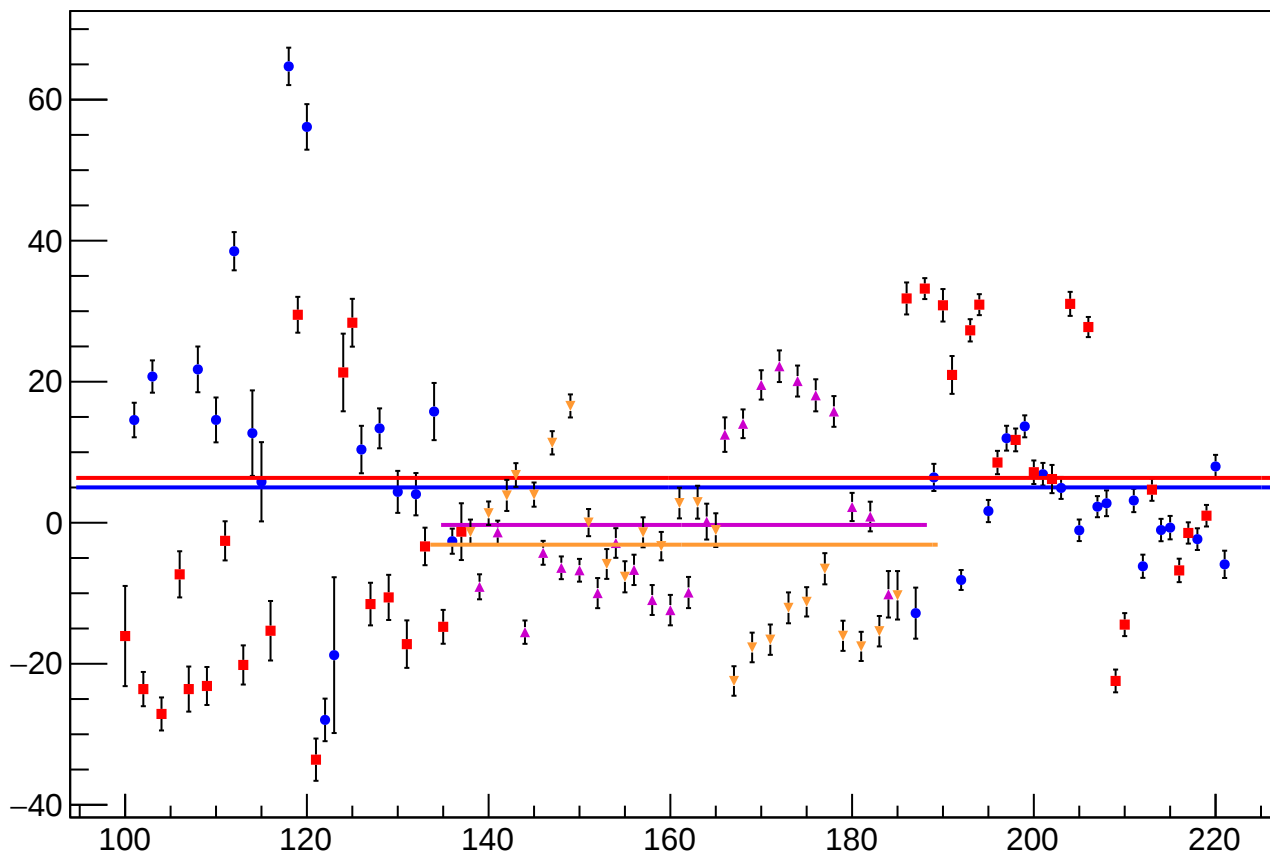
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1893.578 $\pm$ 0.219 χ^2 /NDF: 1504690.2/59

All: 1883.000 $\pm$ 0.155 χ^2 /NDF: 3081092.9/11

- sign 1872.255 $\pm$ 0.220 χ^2 /NDF: 1571684.5/59

diff_bpm0i05Y_mean vs Slug



Right In: 5.011 ± 0.344 $\chi^2/\text{NDF}: 1486.3/34$

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

Right Out: 6.358 ± 0.343 $\chi^2/\text{NDF}: 3309.8/36$

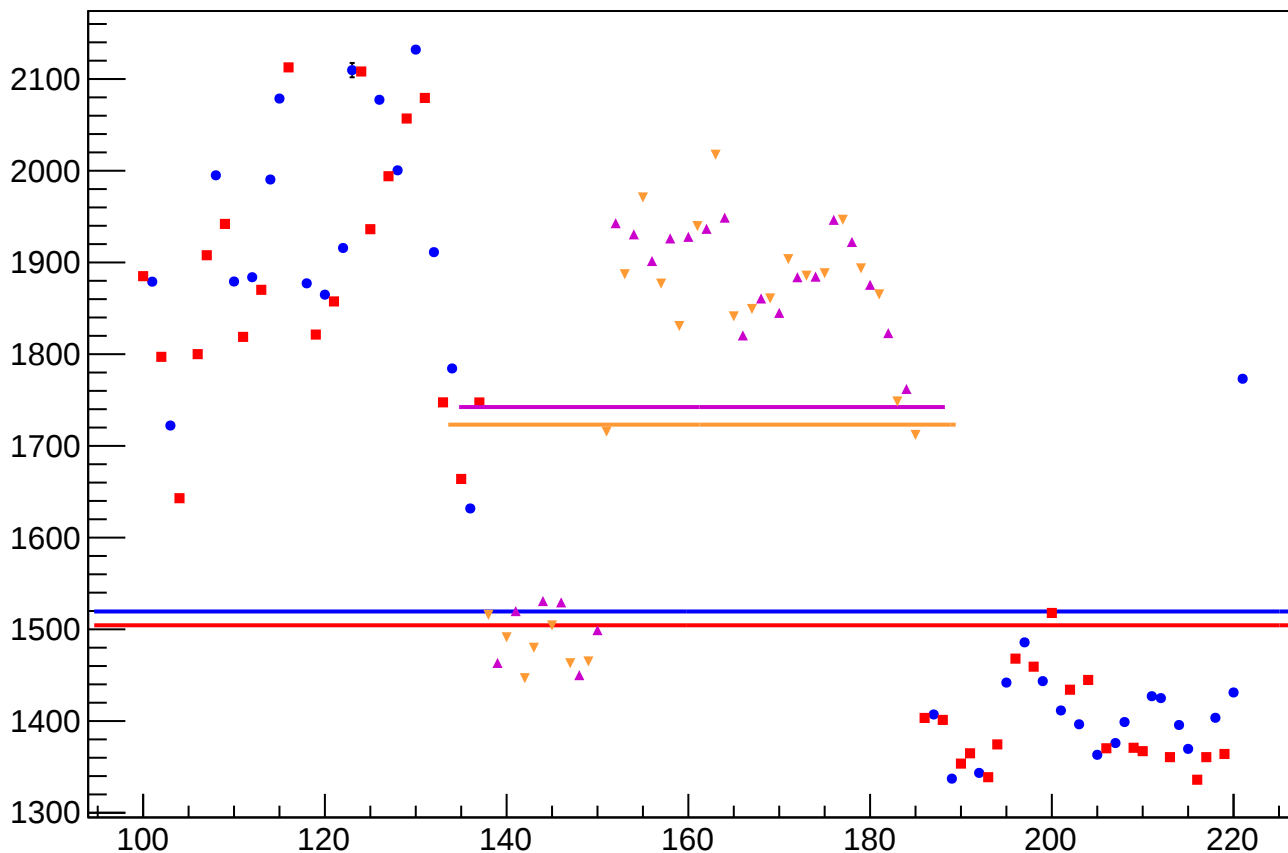
Left In: -0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

+ sign 1.595 ± 0.262 $\chi^2/\text{NDF}: 2364.0/59$

All: 2.629 ± 0.187 $\chi^2/\text{NDF}: 6592.6/119$

- sign 3.694 ± 0.266 $\chi^2/\text{NDF}: 4197.0/59$

diff_bpm0i05Y_rms vs Slug



Right In: 1519.469 $\pm$ 0.244 χ^2 /NDF: 766326.4/34

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

Right Out: 1504.401 $\pm$ 0.243 χ^2 /NDF: 753087.4/36

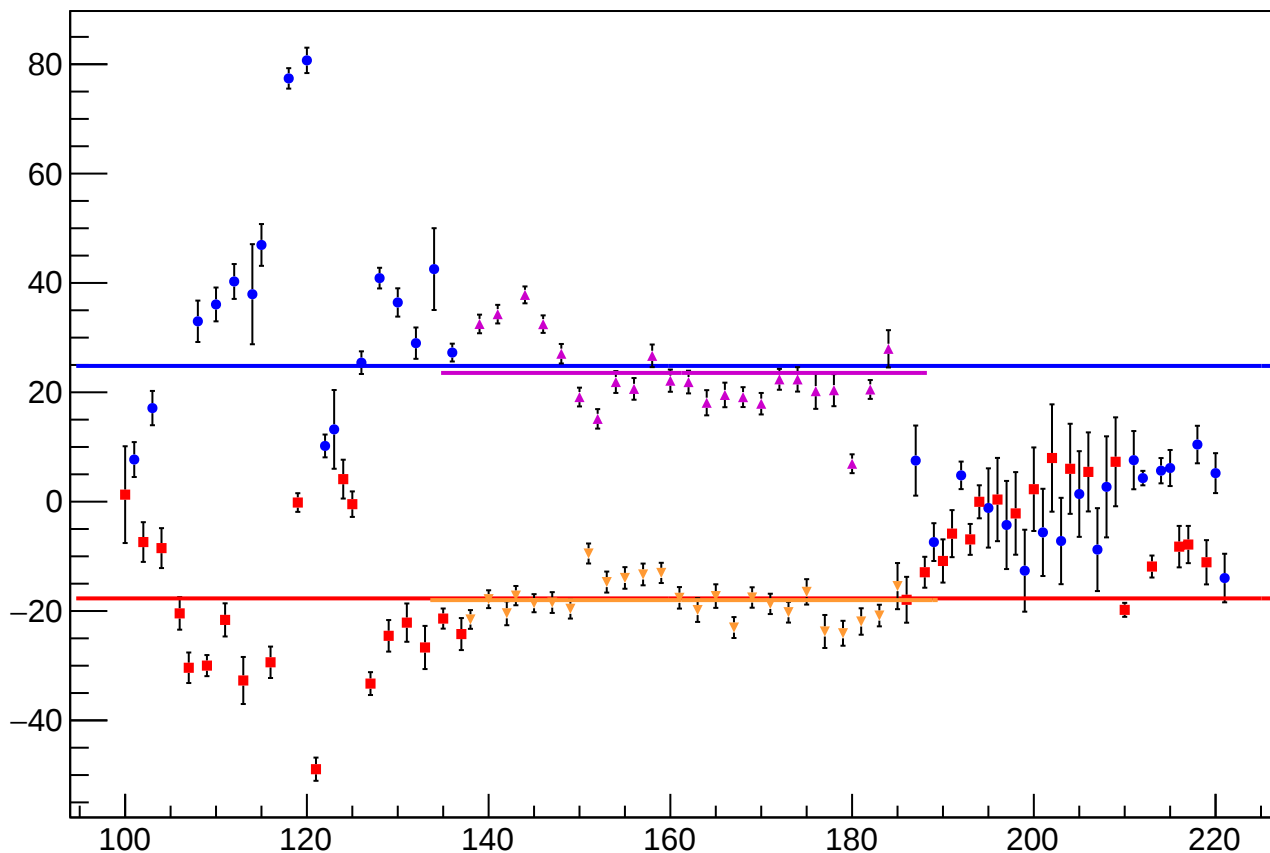
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

+ sign 1605.139 $\pm$ 0.185 χ^2 /NDF: 1538028.2/59

All: 1602.329 $\pm$ 0.132 χ^2 /NDF: 3111030.6/11

- sign 1599.434 $\pm$ 0.188 χ^2 /NDF: 1572535.9/59

diff_bpm0i07X_mean vs Slug



Right In: 24.825 ± 0.504 χ^2/NDF : 2383.7/34

Left Out: -18.007 ± 0.397 χ^2/NDF : 73.8/24

Right Out: -17.692 ± 0.476 χ^2/NDF : 744.8/36

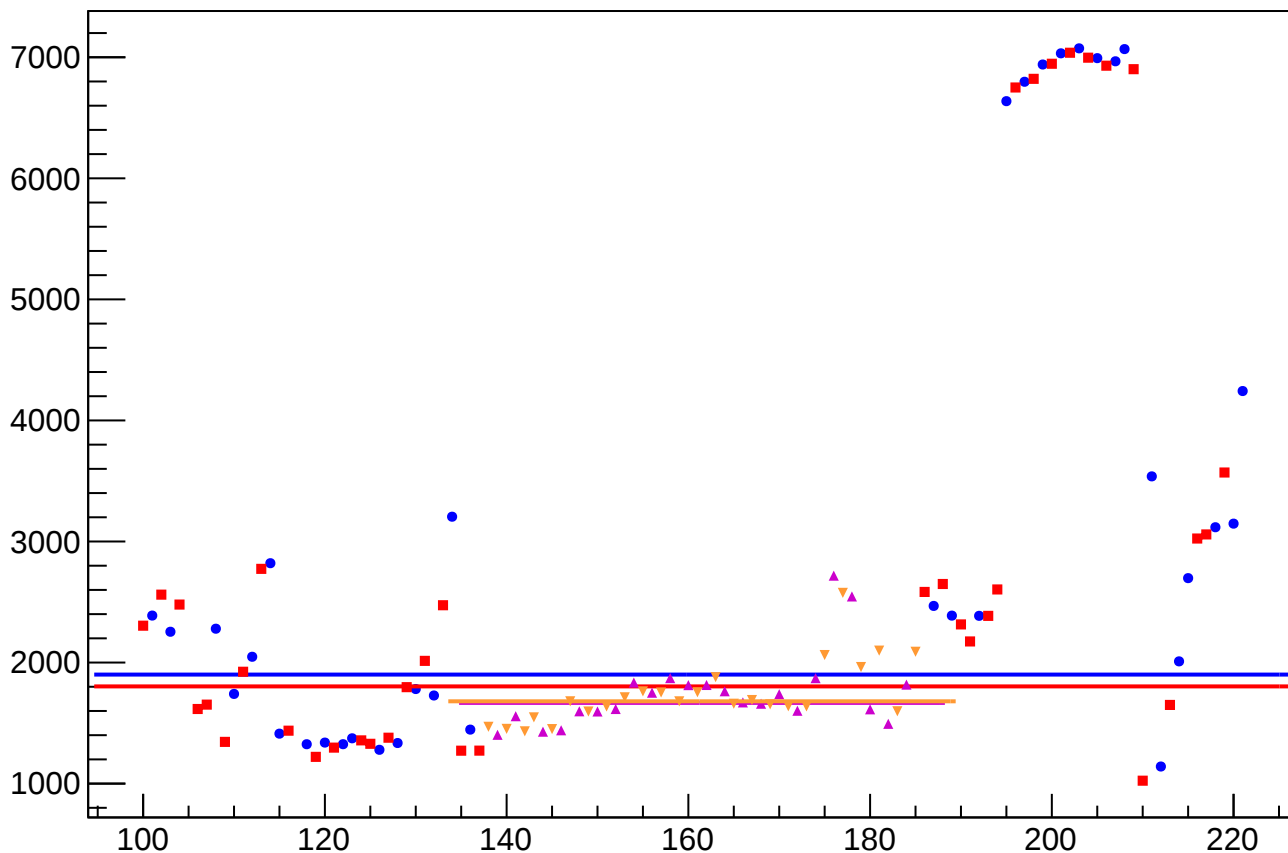
Left In: 23.544 ± 0.406 χ^2/NDF : 346.7/22

+ sign -1.609 ± 0.312 χ^2/NDF : 6921.0/59

All: 2.330 ± 0.219 χ^2/NDF : 12676.4/119

- sign 6.196 ± 0.309 χ^2/NDF : 5438.9/59

diff_bpm0i07X_rms vs Slug



Right In: 1900.611+/-0.356 χ^2/NDF : 9897127.5/34

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

Right Out: 1802.958+/-0.337 χ^2/NDF : 9192090.9/36

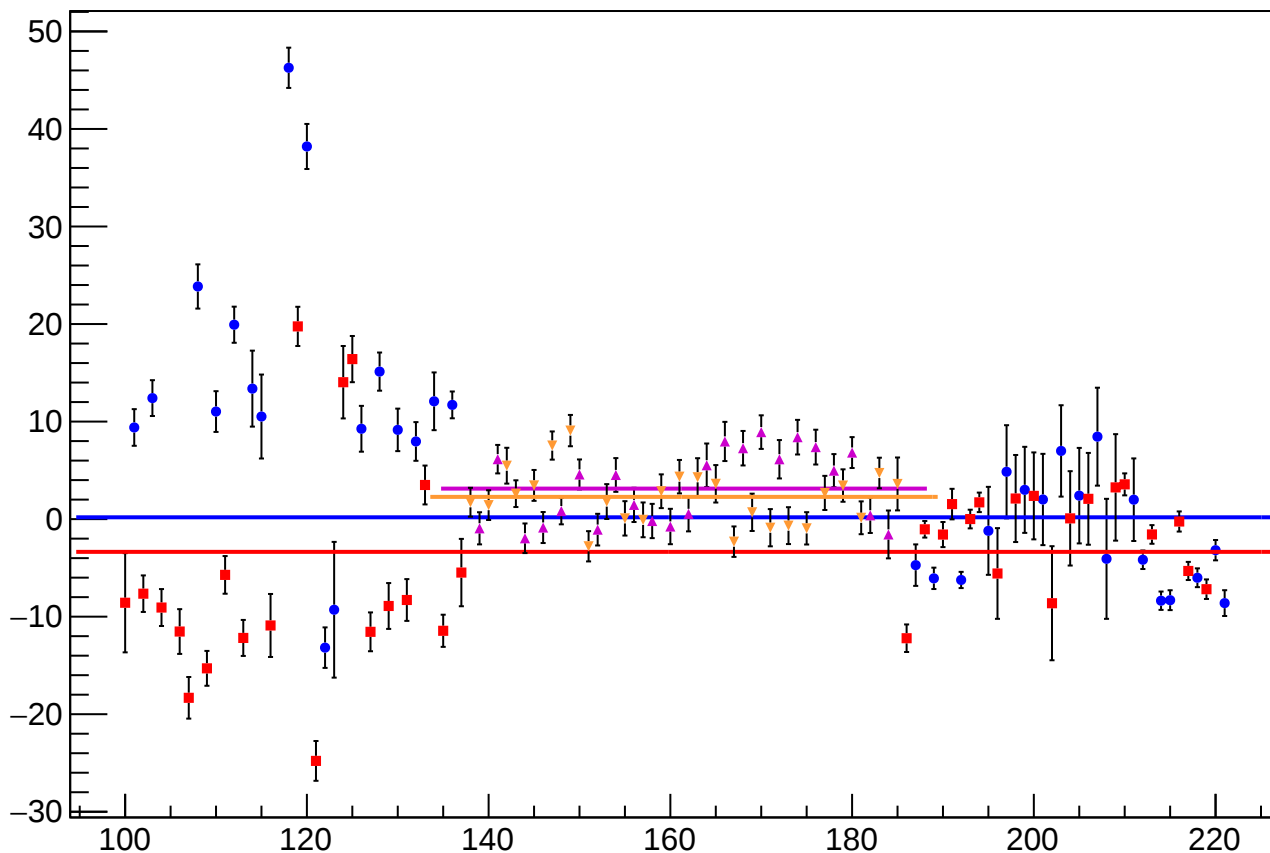
Left In: 1666.819+/-0.287 χ^2/NDF : 650990.8/22

+ sign 1764.349+/-0.220 χ^2/NDF : 10657143.6/59

All: 1744.034+/-0.155 χ^2/NDF : 20611834.5/1

- sign 1724.094+/-0.218 χ^2/NDF : 9937849.9/59

diff_bpm0i07Y_mean vs Slug



Right In: 0.186 ± 0.285 χ^2/NDF : 1714.6/34

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

Right Out: -3.356 ± 0.264 χ^2/NDF : 723.3/36

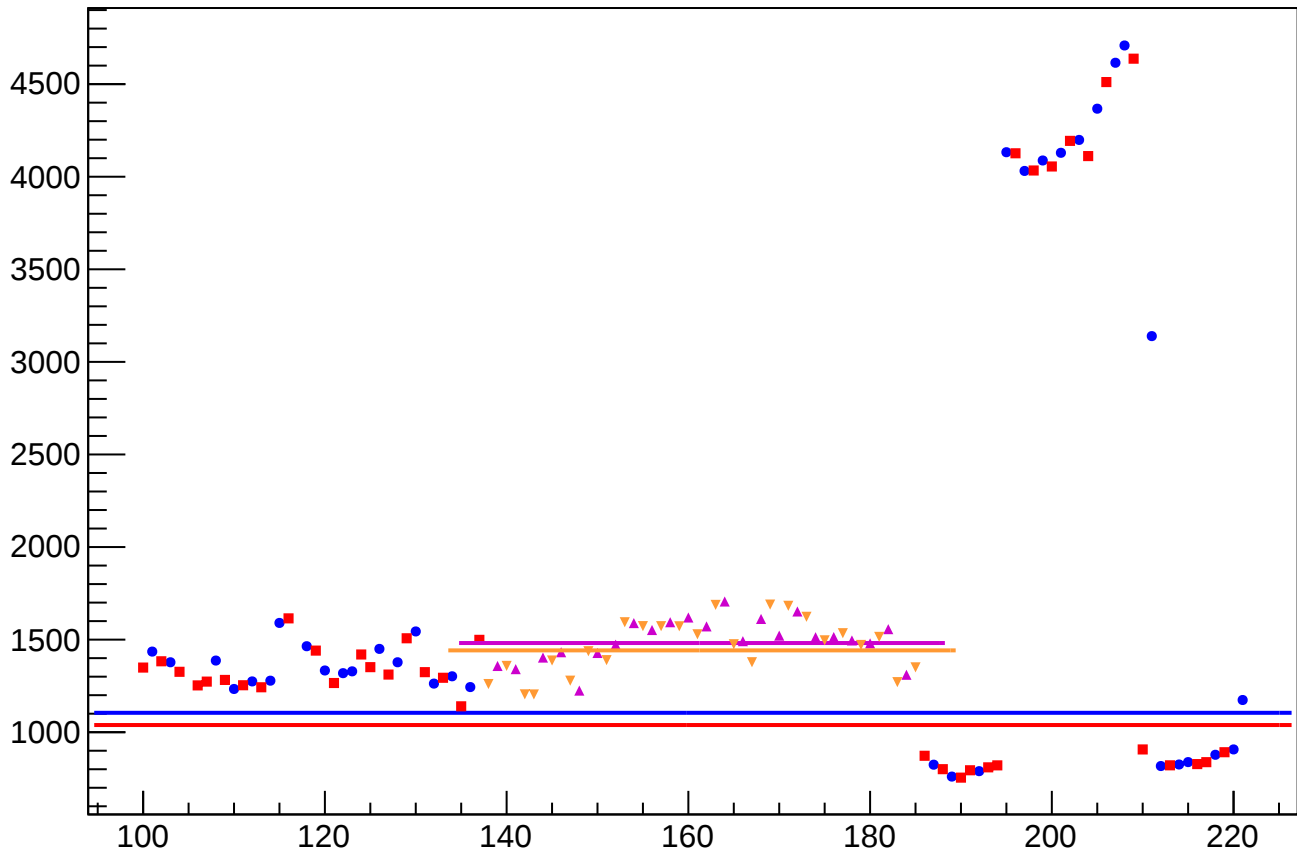
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 1.055 ± 0.218 χ^2/NDF : 1812.6/59

All: -0.034 ± 0.152 χ^2/NDF : 2900.8/119

- sign -1.068 ± 0.212 χ^2/NDF : 1039.5/59

diff_bpm0i07Y_rms vs Slug



Right In: 1104.835 $\pm$ 0.201 χ^2 /NDF: 8994507.7/34

Left Out: 1441.951 $\pm$ 0.239 χ^2 /NDF: 370617.4/24

Right Out: 1038.790 $\pm$ 0.187 χ^2 /NDF: 7639112.4/36

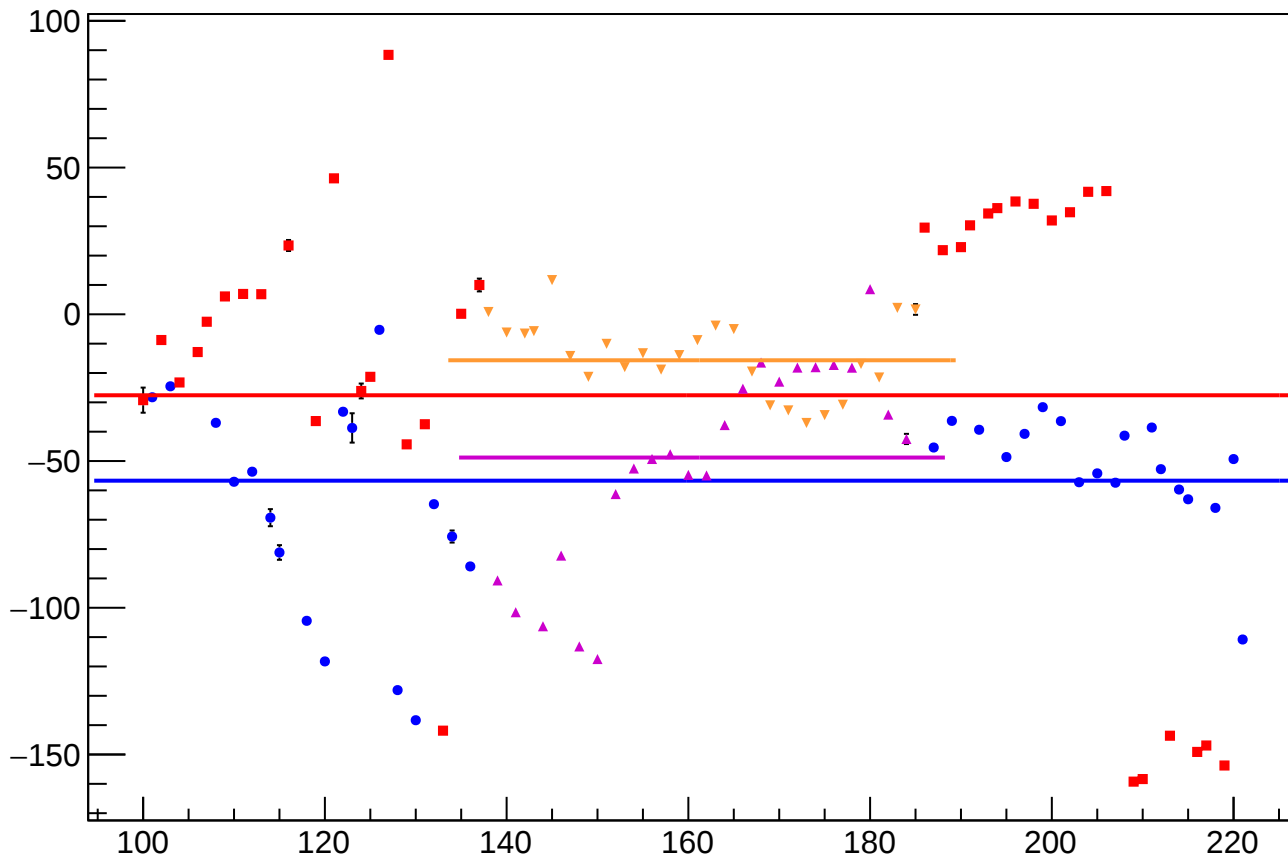
Left In: 1481.695 $\pm$ 0.253 χ^2 /NDF: 208470.6/22

+ sign 1244.747 $\pm$ 0.154 χ^2 /NDF: 10527283.0/59

All: 1219.268 $\pm$ 0.108 χ^2 /NDF: 20413364.7/1

- sign 1195.053 $\pm$ 0.150 χ^2 /NDF: 9832749.8/59

diff_bpm1i02X_mean vs Slug



Right In: -56.695 ± 0.158 χ^2/NDF : 25048.3/34

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

Right Out: -27.591 ± 0.161 χ^2/NDF : 264968.9/36

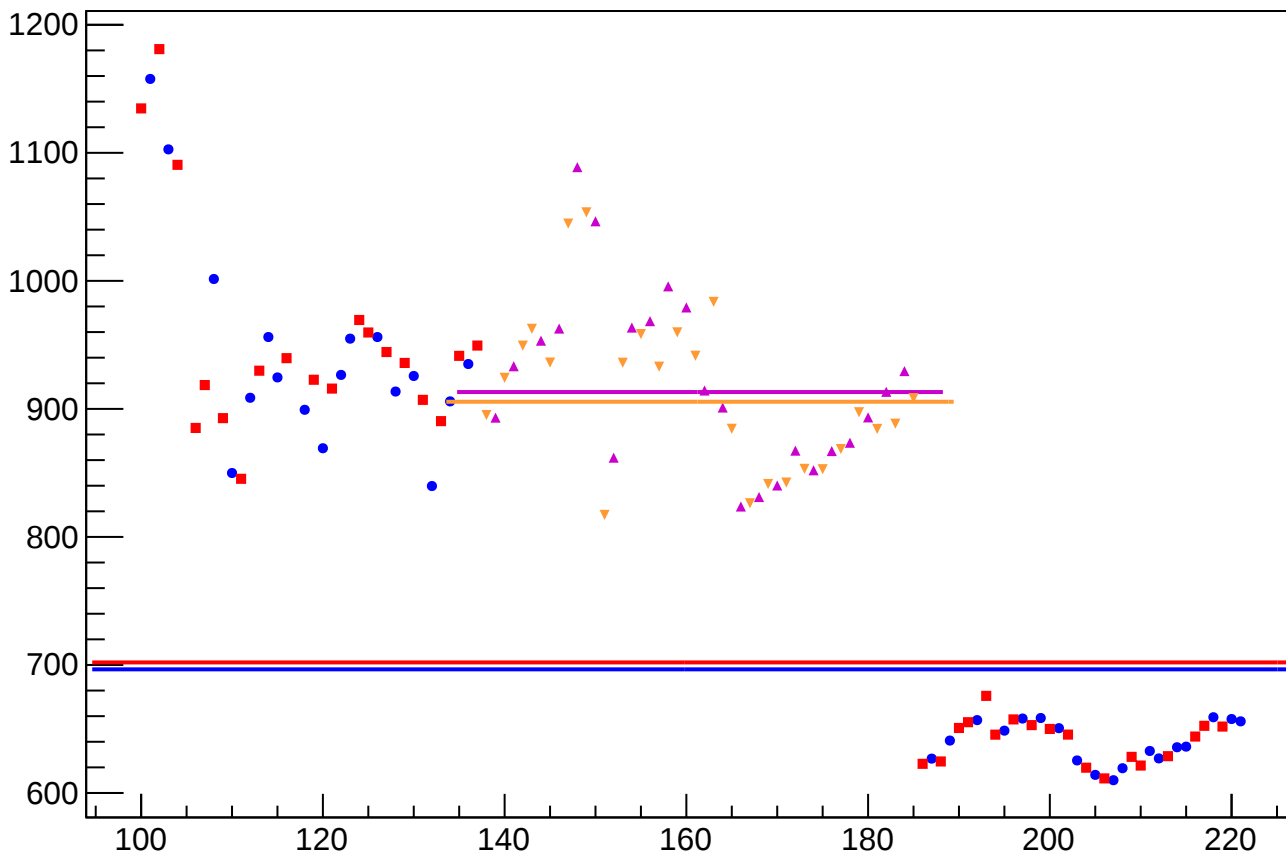
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -41.970 ± 0.127 χ^2/NDF : 52689.3/59

All: -38.577 ± 0.091 χ^2/NDF : 350451.0/119

- sign -35.007 ± 0.130 χ^2/NDF : 296290.1/59

diff_bpm1i02X_rms vs Slug



Right In: 696.567 ± 0.112 χ^2/NDF : 1204483.8/34

Left Out: 905.578 ± 0.150 χ^2/NDF : 162073.5/24

Right Out: 701.979 ± 0.114 χ^2/NDF : 1250092.0/36

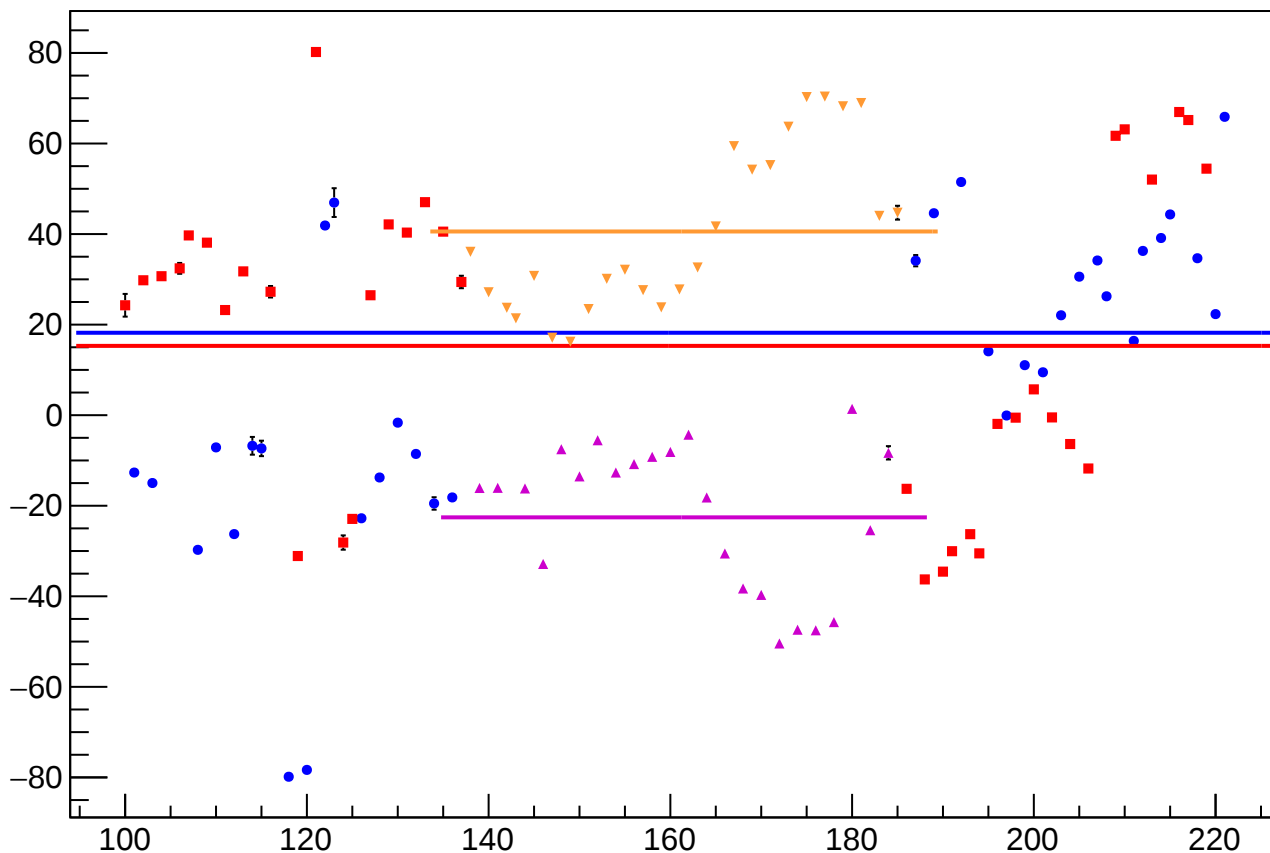
Left In: 913.165 ± 0.155 χ^2/NDF : 174438.8/22

+ sign 771.579 ± 0.090 χ^2/NDF : 2618613.3/59

All: 773.625 ± 0.064 χ^2/NDF : 5244532.5/119

- sign 775.777 ± 0.092 χ^2/NDF : 2624849.6/59

diff_bpm1i02Y_mean vs Slug



Right In: 18.204+/-0.119 χ^2/NDF : 58351.0/34

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

Right Out: 15.307+/-0.120 χ^2/NDF : 89953.7/36

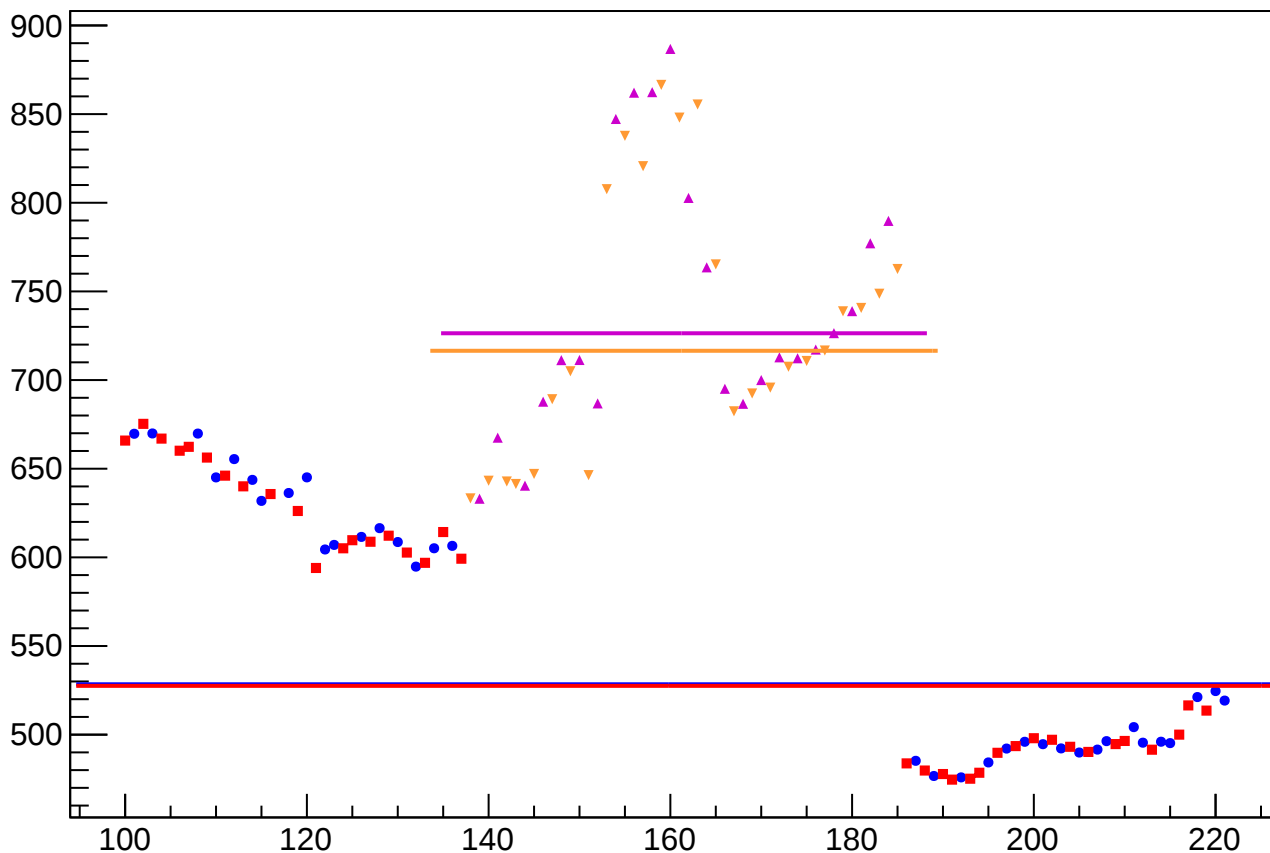
Left In: -22.565+/-0.175 χ^2/NDF : 8167.7/22

+ sign 25.683+/-0.097 χ^2/NDF : 82253.6/59

All: 14.677+/-0.069 χ^2/NDF : 238407.0/119

- sign 3.226+/-0.099 χ^2/NDF : 129913.3/59

diff_bpm1i02Y_rms vs Slug



Right In: 528.408 $\pm$ 0.084 χ^2 /NDF: 500308.8/34

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

Right Out: 527.529 $\pm$ 0.085 χ^2 /NDF: 542091.0/36

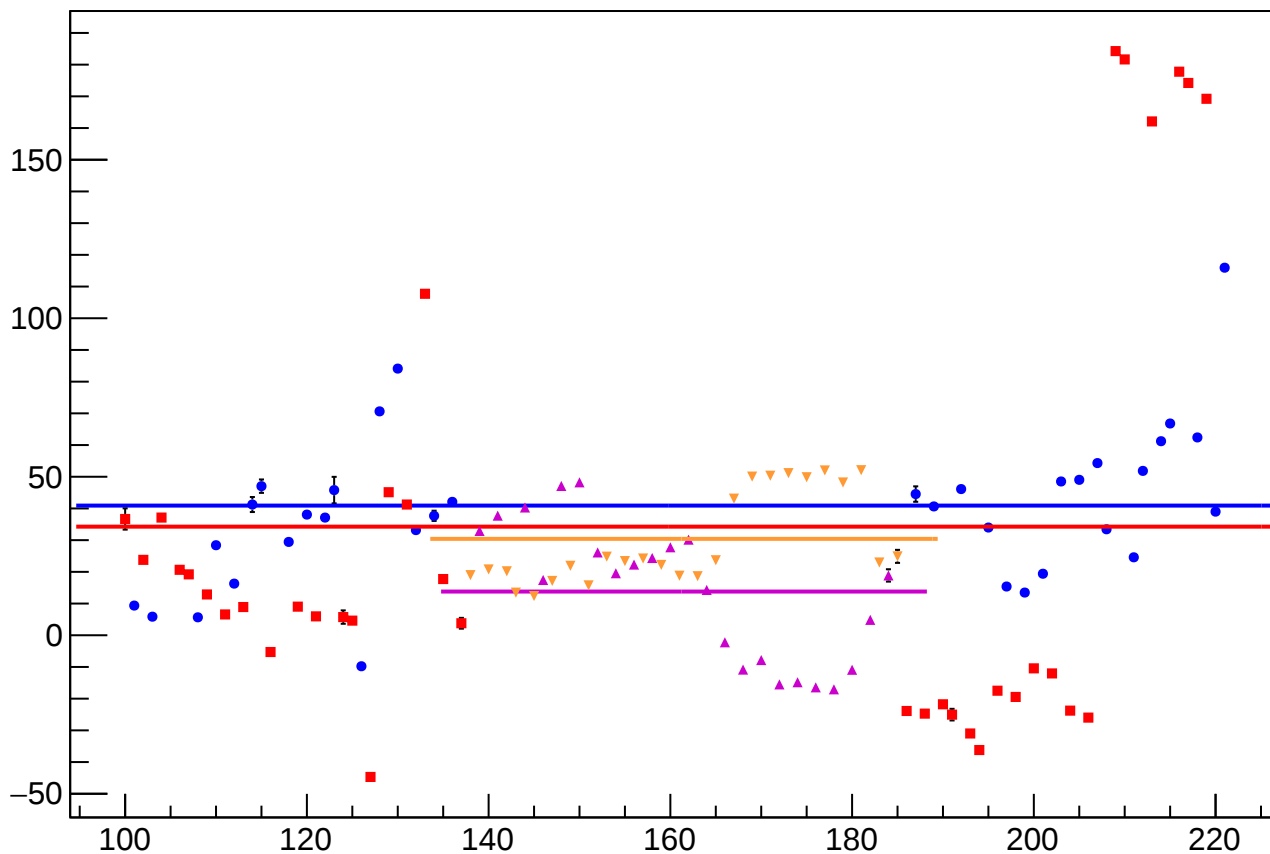
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF:289788.8/22

+ sign 591.304 $\pm$ 0.069 χ^2 /NDF: 2515261.9/59

All: 591.137 $\pm$ 0.049 χ^2 /NDF: 5100265.2/119

- sign 590.964 $\pm$ 0.070 χ^2 /NDF: 2584991.3/59

diff_bpm1i04X_mean vs Slug



Right In: 40.904 $\pm$ 0.197 χ^2 /NDF: 16286.6/34

Left Out: 30.408 $\pm$ 0.237 χ^2 /NDF:3808.0/24

Right Out: 34.261 $\pm$ 0.198 χ^2 /NDF: 140299.8/36

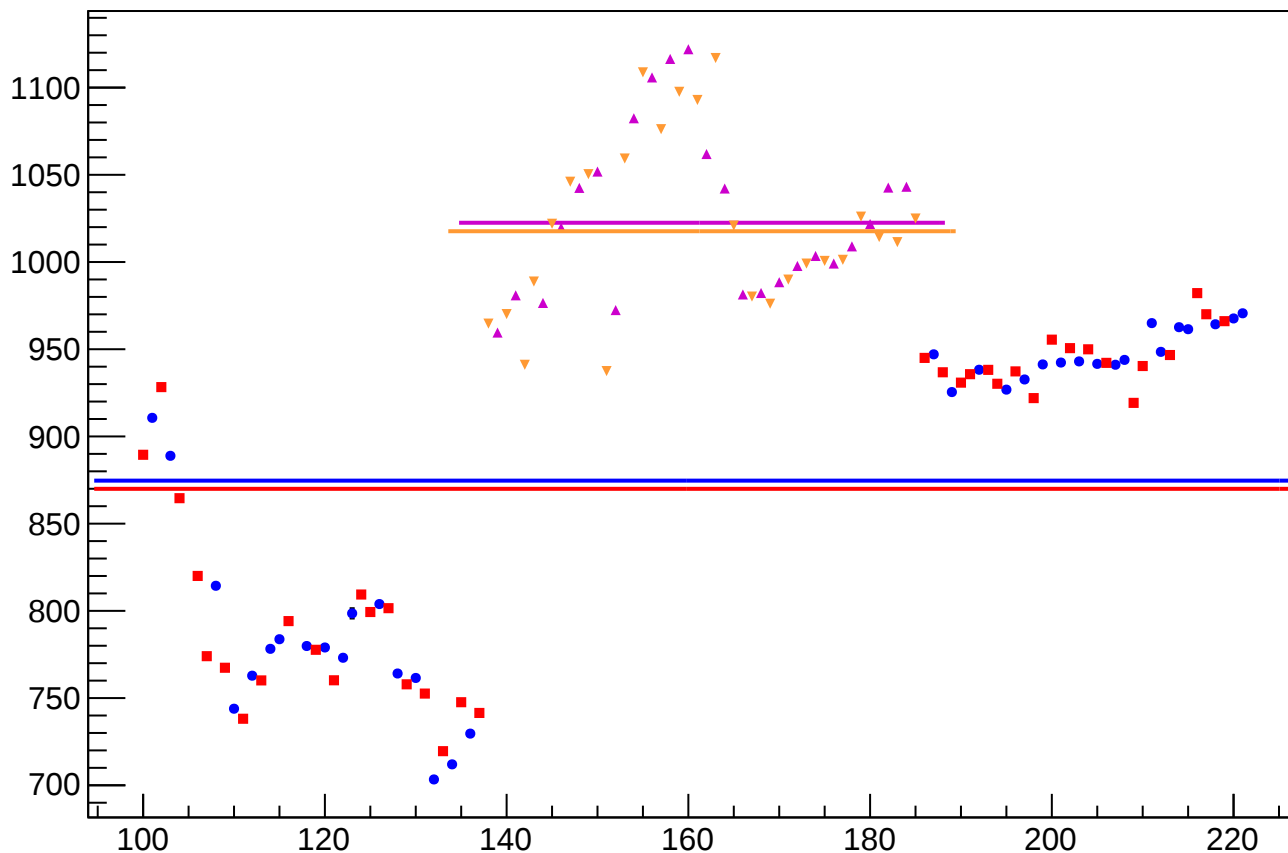
Left In: 13.787 $\pm$ 0.246 χ^2 /NDF:7979.7/22

+ sign 36.629 $\pm$ 0.152 χ^2 /NDF: 21253.1/59

All: 31.513 $\pm$ 0.108 χ^2 /NDF: 176066.3/119

- sign 26.230 $\pm$ 0.154 χ^2 /NDF: 152495.3/59

diff_bpm1i04X_rms vs Slug



Right In: 874.666 $\pm$ 0.139 χ^2 /NDF: 444247.8/34

Left Out: 1017.653 $\pm$ 0.168 χ^2 /NDF:83612.5/24

Right Out: 869.965 $\pm$ 0.140 χ^2 /NDF: 403422.9/36

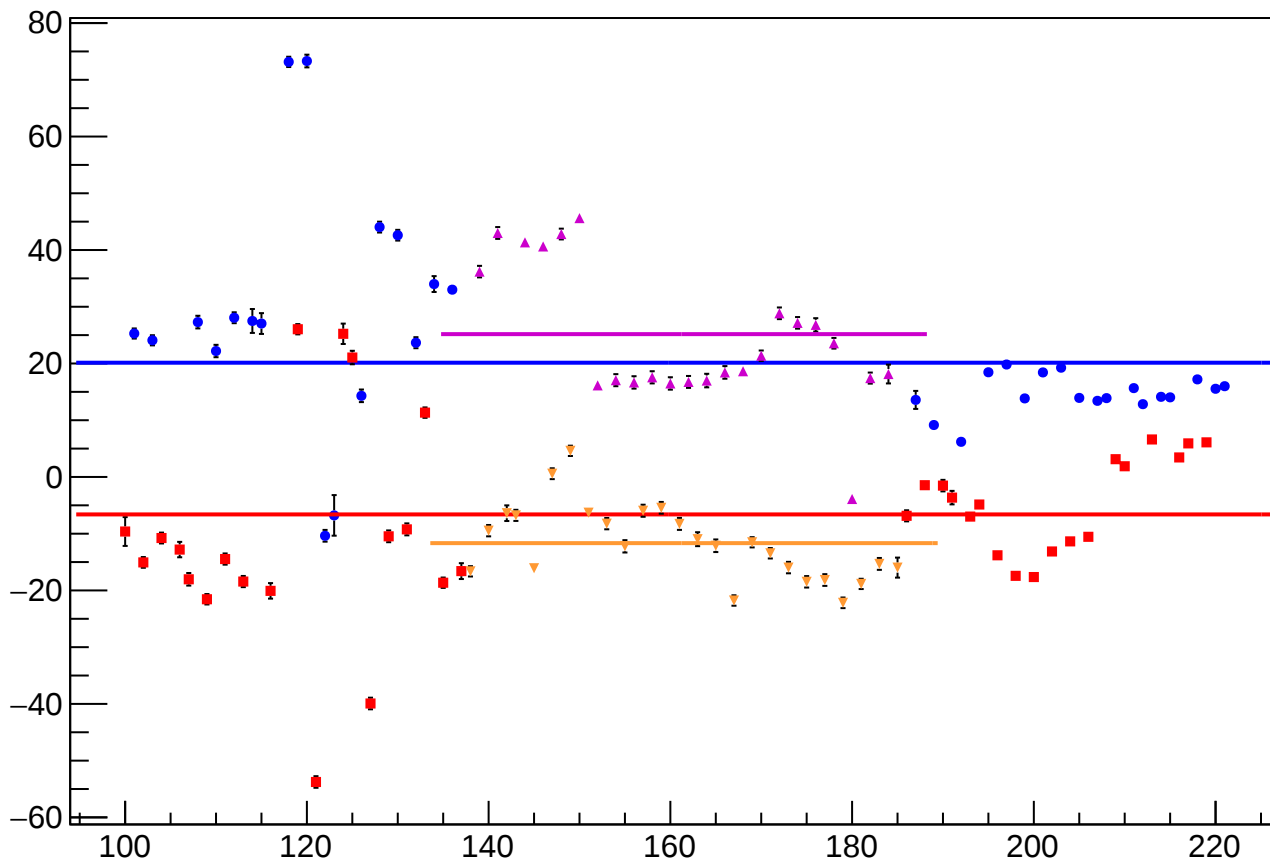
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF:69635.5/22

+ sign 932.902 $\pm$ 0.107 χ^2 /NDF: 957907.2/59

All: 931.378 $\pm$ 0.076 χ^2 /NDF: 1899410.4/119

- sign 929.805 $\pm$ 0.109 χ^2 /NDF: 941092.1/59

diff_bpm1i04Y_mean vs Slug



Right In: 20.137 ± 0.138 χ^2/NDF : 9935.0/34

Left Out: -11.664 ± 0.200 χ^2/NDF : 1147.4/24

Right Out: -6.603 ± 0.138 χ^2/NDF : 9346.5/36

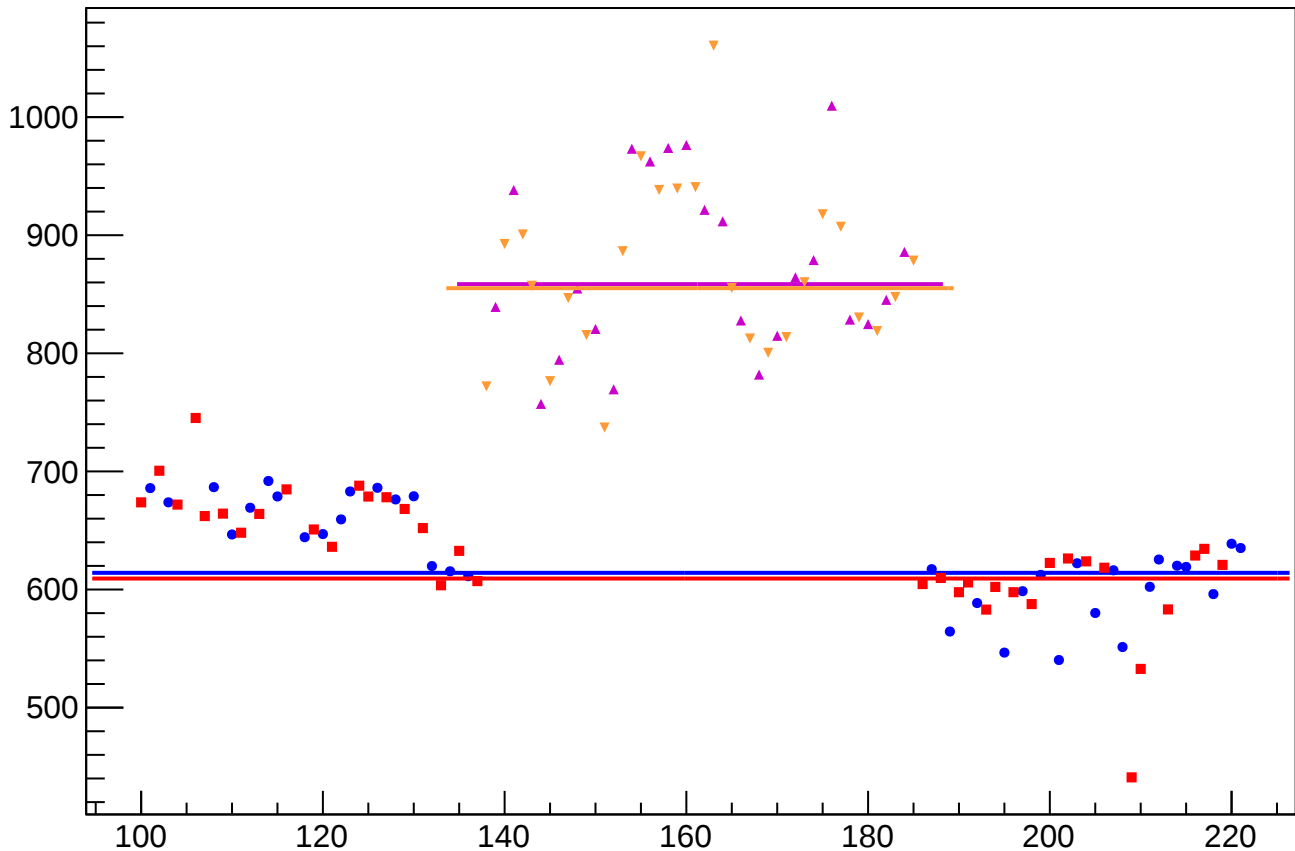
Left In: 25.174 ± 0.207 χ^2/NDF : 3747.1/22

+ sign 9.893 ± 0.114 χ^2/NDF : 28172.2/59

All: 6.588 ± 0.081 χ^2/NDF : 59218.6/119

- sign 3.196 ± 0.115 χ^2/NDF : 29333.2/59

diff_bpm1i04Y_rms vs Slug



Right In: 614.127+/-0.098 χ^2/NDF : 171223.7/34

Left Out: 855.131+/-0.142 χ^2/NDF : 233746.7/24

Right Out: 609.305+/-0.098 χ^2/NDF : 366855.9/36

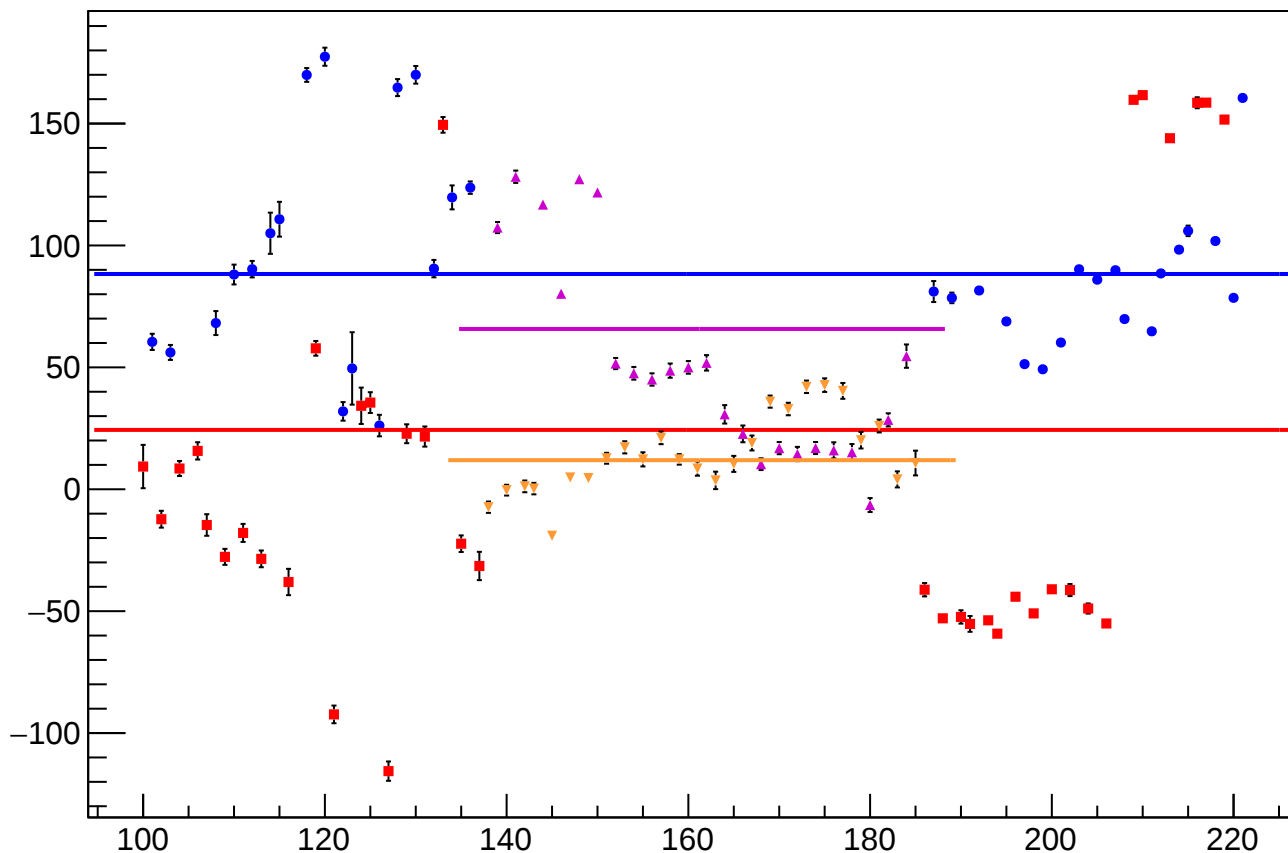
Left In: 858.563+/-0.147 χ^2/NDF : 239019.8/22

+ sign 691.760+/-0.080 χ^2/NDF : 2368054.4/59

All: 688.999+/-0.057 χ^2/NDF : 4974818.5/119

- sign 686.165+/-0.081 χ^2/NDF : 2604372.7/59

diff_bpm1i06X_mean vs Slug



Right In: 88.293 $\pm$ 0.411 χ^2 /NDF: 6438.5/34

Left Out: 11.938 $\pm$ 0.505 χ^2 /NDF: 976.6/24

Right Out: 24.348 $\pm$ 0.410 χ^2 /NDF: 53060.4/36

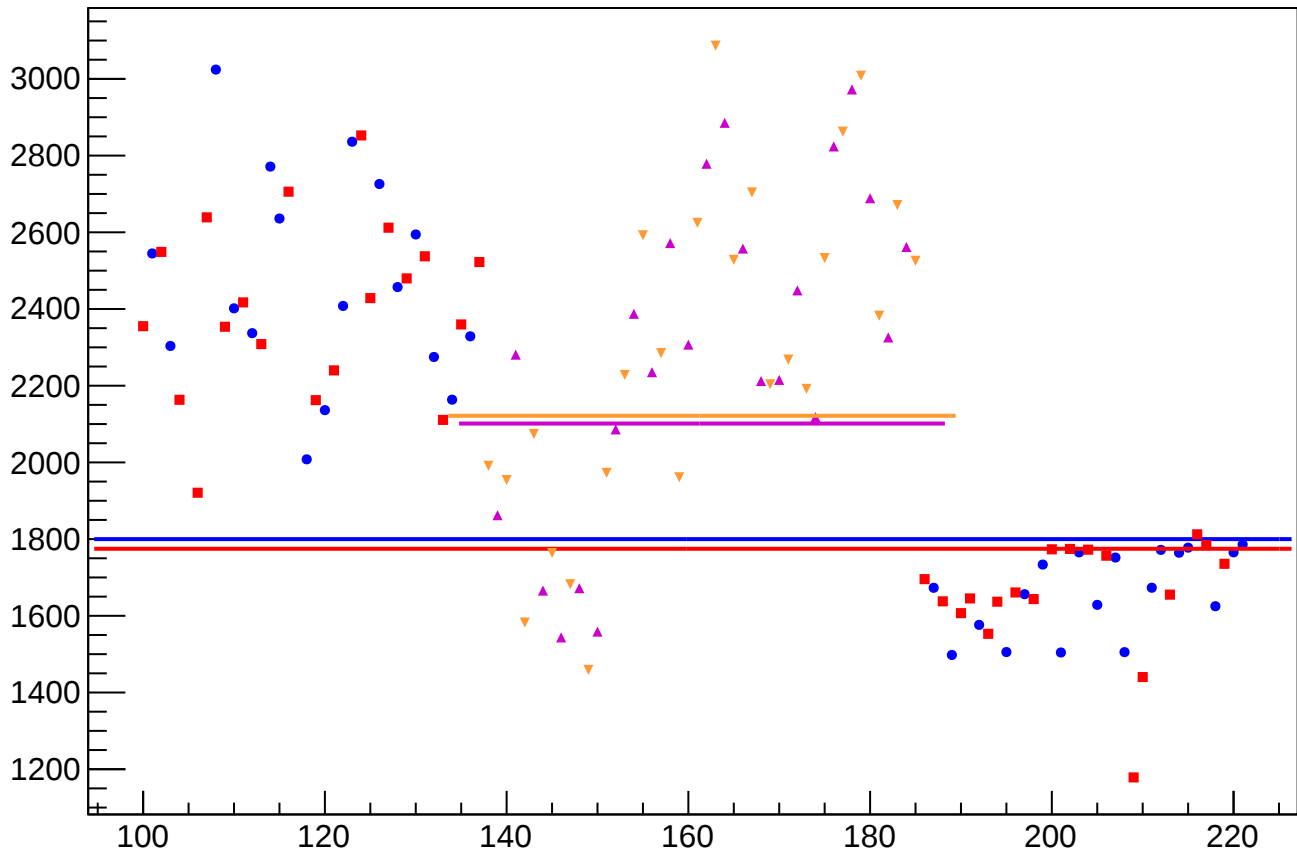
Left In: 65.752 $\pm$ 0.518 χ^2 /NDF: 7335.8/22

+ sign 57.911 $\pm$ 0.319 χ^2 /NDF: 21161.9/59

All: 49.179 $\pm$ 0.226 χ^2 /NDF: 87003.1/119

- sign 40.303 $\pm$ 0.321 χ^2 /NDF: 64328.0/59

diff_bpm1i06X_rms vs Slug



Right In: 1799.968 $\pm$ 0.290 χ^2 /NDF: 1203282.0/34

Left Out: 2121.567 $\pm$ 0.357 χ^2 /NDF:1387847.6/24

Right Out: 1774.814 $\pm$ 0.290 χ^2 /NDF: 1478851.4/36

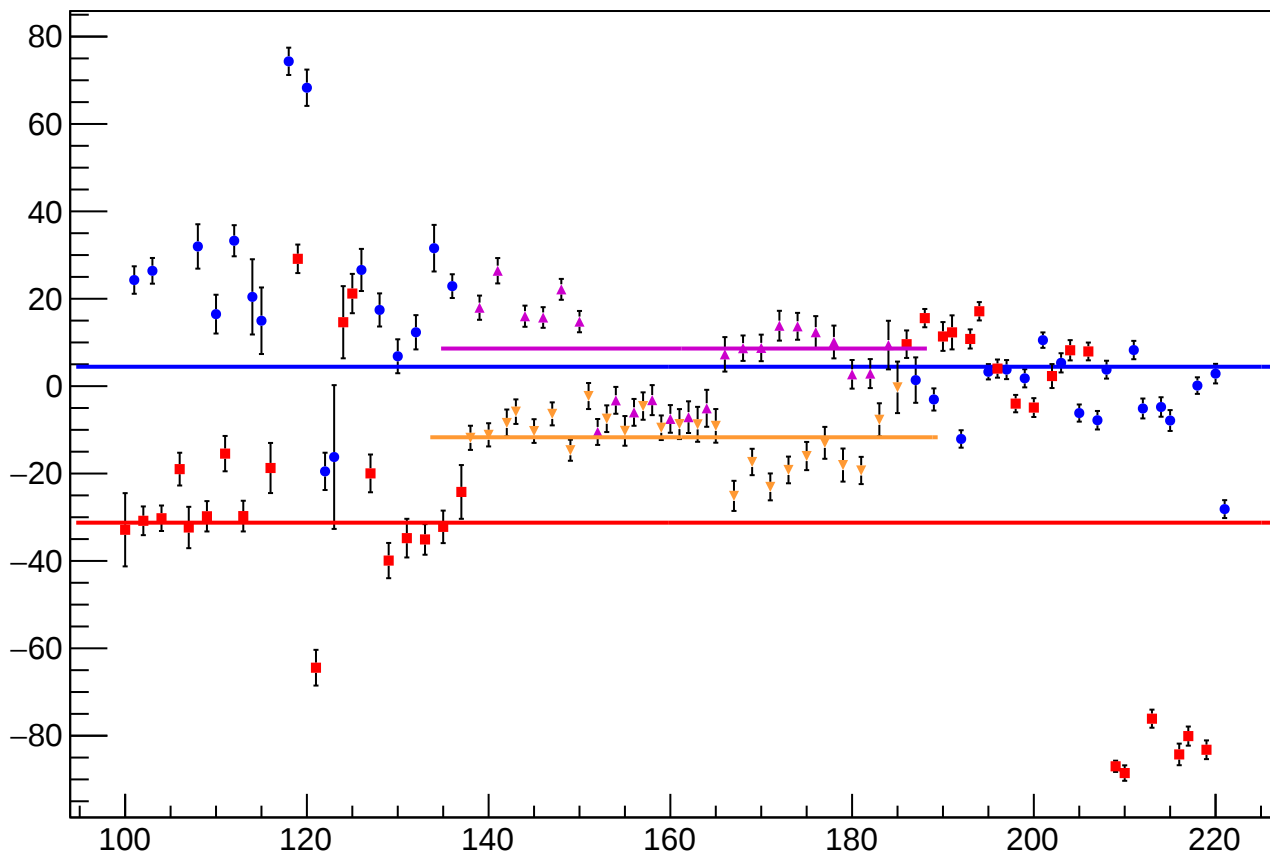
Left In: 2101.325 $\pm$ 0.366 χ^2 /NDF:1360518.3/22

+ sign 1927.935 $\pm$ 0.225 χ^2 /NDF: 3078873.7/59

All: 1914.397 $\pm$ 0.160 χ^2 /NDF: 6414533.4/11

- sign 1900.638 $\pm$ 0.227 χ^2 /NDF: 3328385.9/59

diff_bpm1i06Y_mean vs Slug



Right In: 4.439 ± 0.446 $\chi^2/\text{NDF}: 1559.5/34$

Left Out: -11.700 ± 0.625 $\chi^2/\text{NDF}: 85.0/24$

Right Out: -31.244 ± 0.443 $\chi^2/\text{NDF}: 8854.8/36$

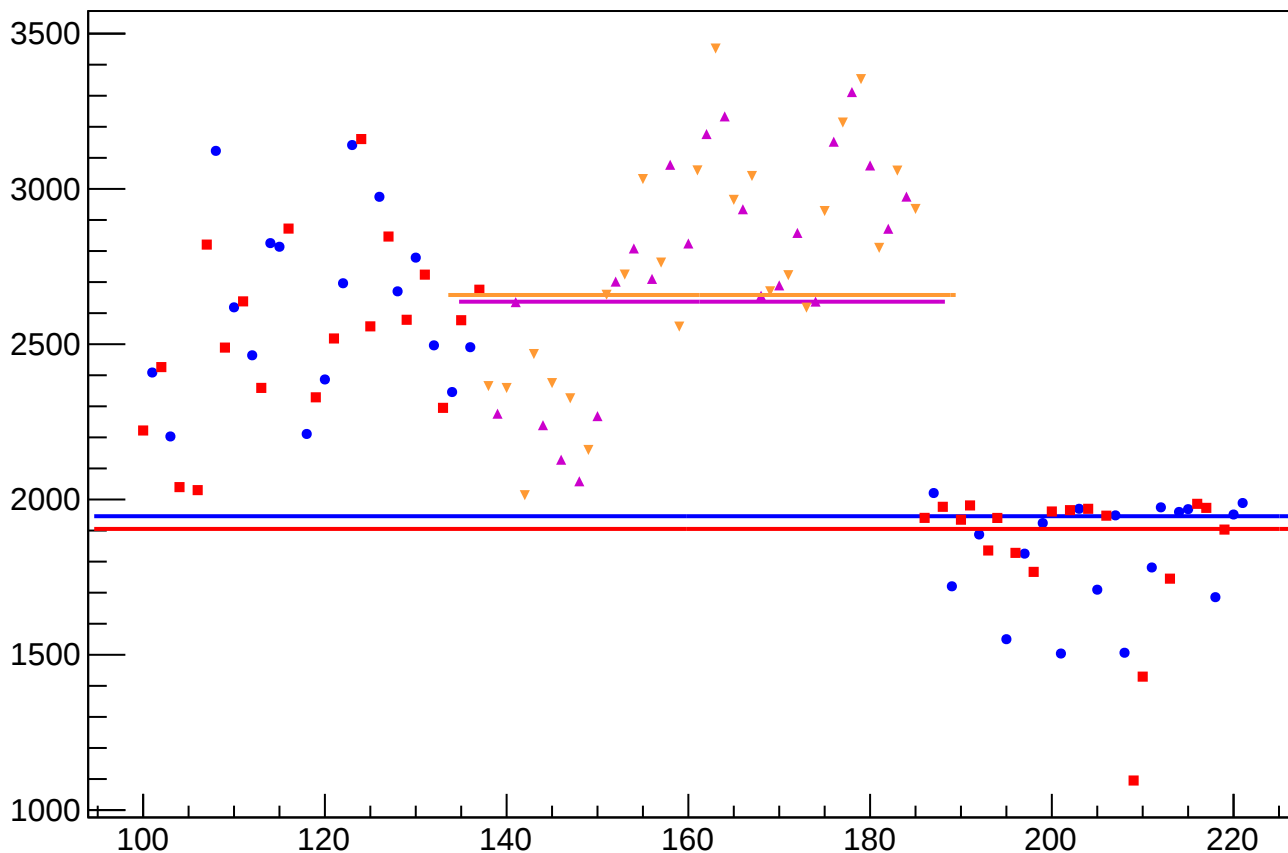
Left In: 8.606 ± 0.642 $\chi^2/\text{NDF}: 264.2/22$

+ sign -1.005 ± 0.363 $\chi^2/\text{NDF}: 2085.7/59$

All: -9.655 ± 0.257 $\chi^2/\text{NDF}: 14952.6/119$

- sign -18.376 ± 0.365 $\chi^2/\text{NDF}: 11728.4/59$

diff_bpm1i06Y_rms vs Slug



Right In: 1946.199+/-0.316 χ^2/NDF : 1221589.4/34

Left Out: 2658.486+/-0.442 χ^2/NDF : 618133.8/24

Right Out: 1905.259+/-0.313 χ^2/NDF : 1828247.8/36

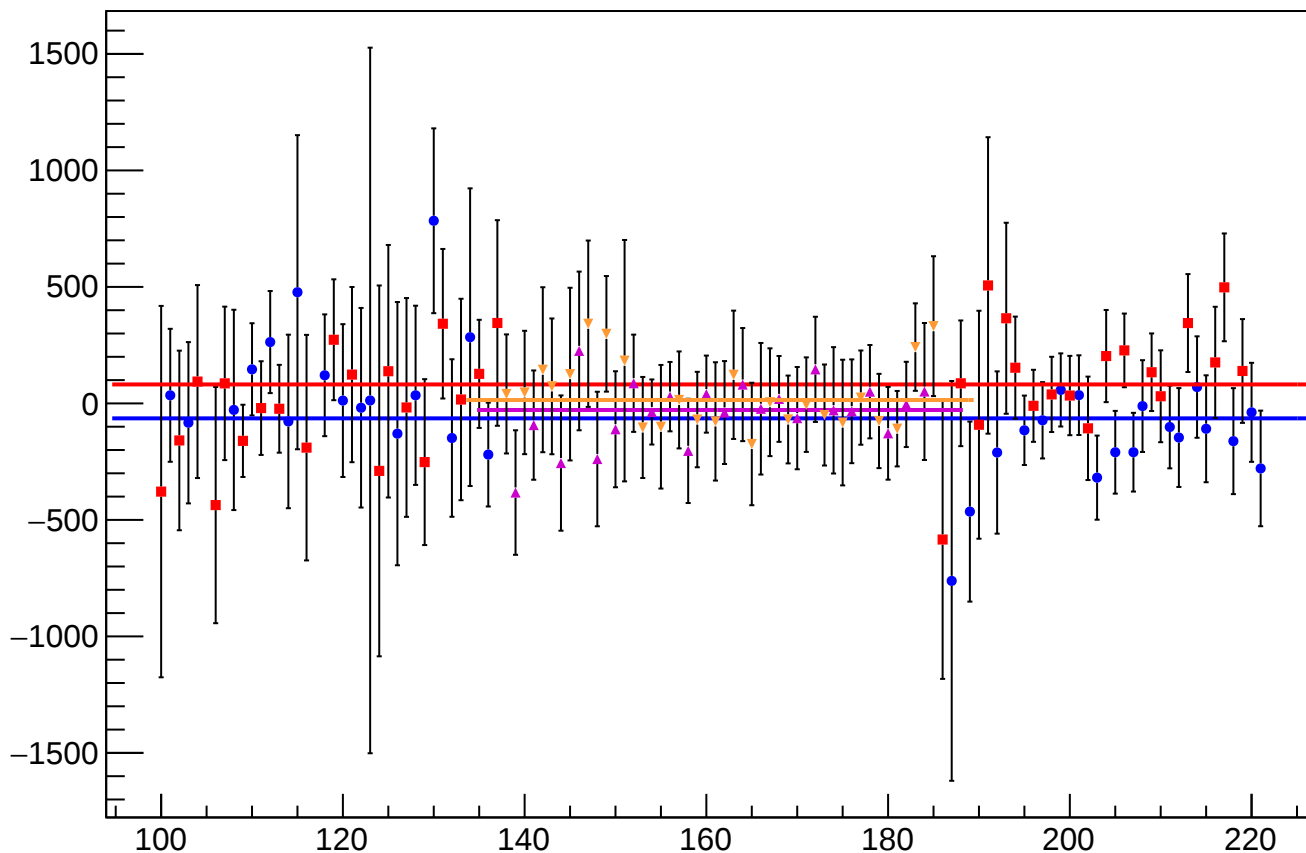
Left In: 2636.885+/-0.454 χ^2/NDF : 652894.5/22

+ sign 2186.493+/-0.257 χ^2/NDF : 3558600.3/59

All: 2164.095+/-0.182 χ^2/NDF : 7814068.8/11

- sign 2141.512+/-0.258 χ^2/NDF : 4240200.3/59

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -64.147 ± 40.567 χ^2/NDF : 18.2/34

Left Out: 14.520 ± 47.528 χ^2/NDF : 7.8/24

Right Out: 81.445 ± 40.982 χ^2/NDF : 17.9/36

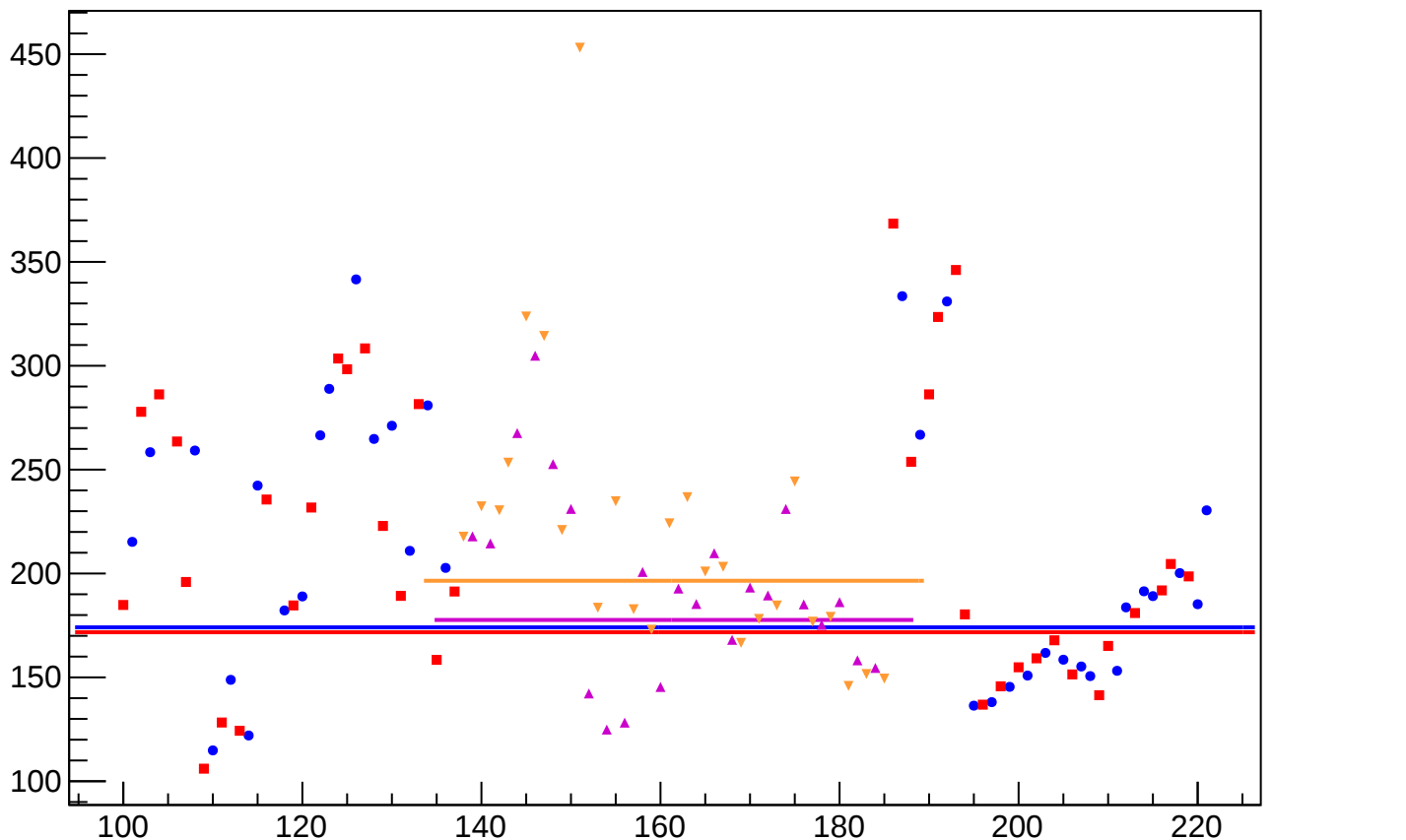
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign -30.991 ± 30.856 χ^2/NDF : 27.6/59

All: 0.809 ± 21.579 χ^2/NDF : 57.1/119

- sign 31.247 ± 30.188 χ^2/NDF : 27.5/59

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.081 $\pm$ 0.029 χ^2 /NDF: 2318432.4/34

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF: 1789504.4/24

Right Out: 171.729 $\pm$ 0.029 χ^2 /NDF: 2930600.8/36

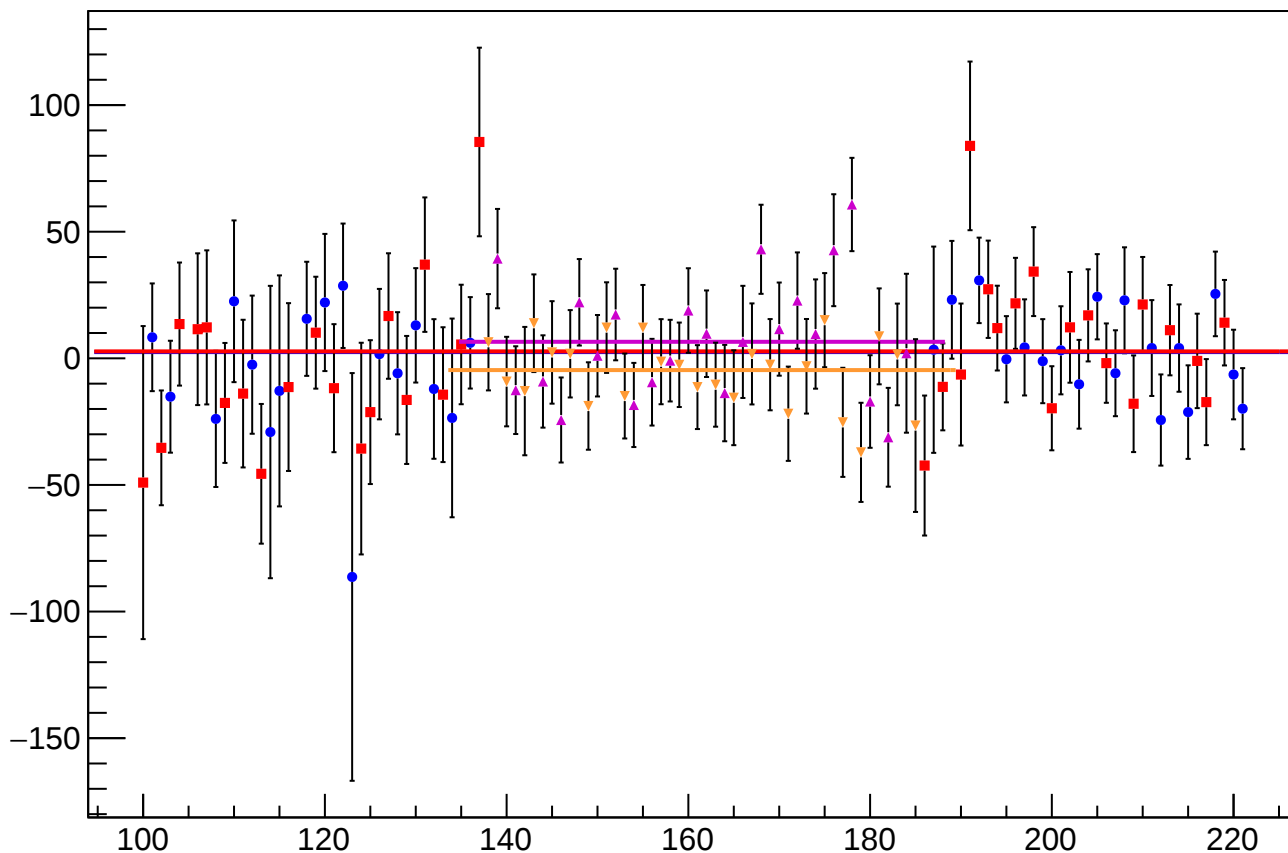
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF: 1630664.5/22

+ sign 183.536 $\pm$ 0.022 χ^2 /NDF: 4365695.5/59

All: 178.886 $\pm$ 0.015 χ^2 /NDF: 9034931.2/119

- sign 174.434 $\pm$ 0.021 χ^2 /NDF: 4580315.4/59

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.460 ± 3.566 χ^2/NDF : 21.9/34

Left Out: -4.646 ± 3.728 χ^2/NDF : 12.1/24

Right Out: 2.740 ± 3.624 χ^2/NDF : 40.7/36

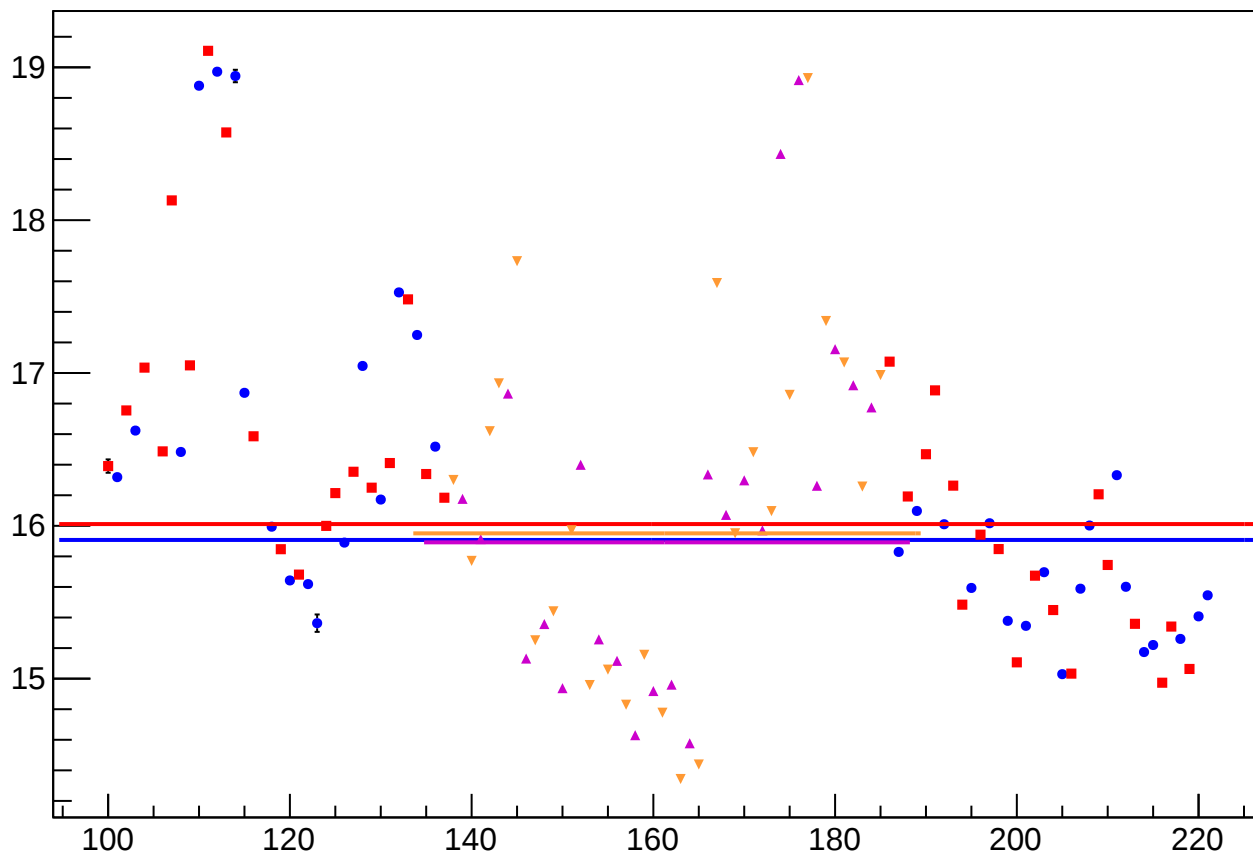
Left In: 6.526 ± 3.828 χ^2/NDF : 36.4/22

+ sign -0.936 ± 2.577 χ^2/NDF : 35.9/59

All: 1.740 ± 1.841 χ^2/NDF : 115.7/119

- sign 4.530 ± 2.632 χ^2/NDF : 77.7/59

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.908 $\pm$ 0.003 χ^2 /NDF: 94749.8/34

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF:173458.5/24

Right Out: 16.011 $\pm$ 0.003 χ^2 /NDF: 110997.1/36

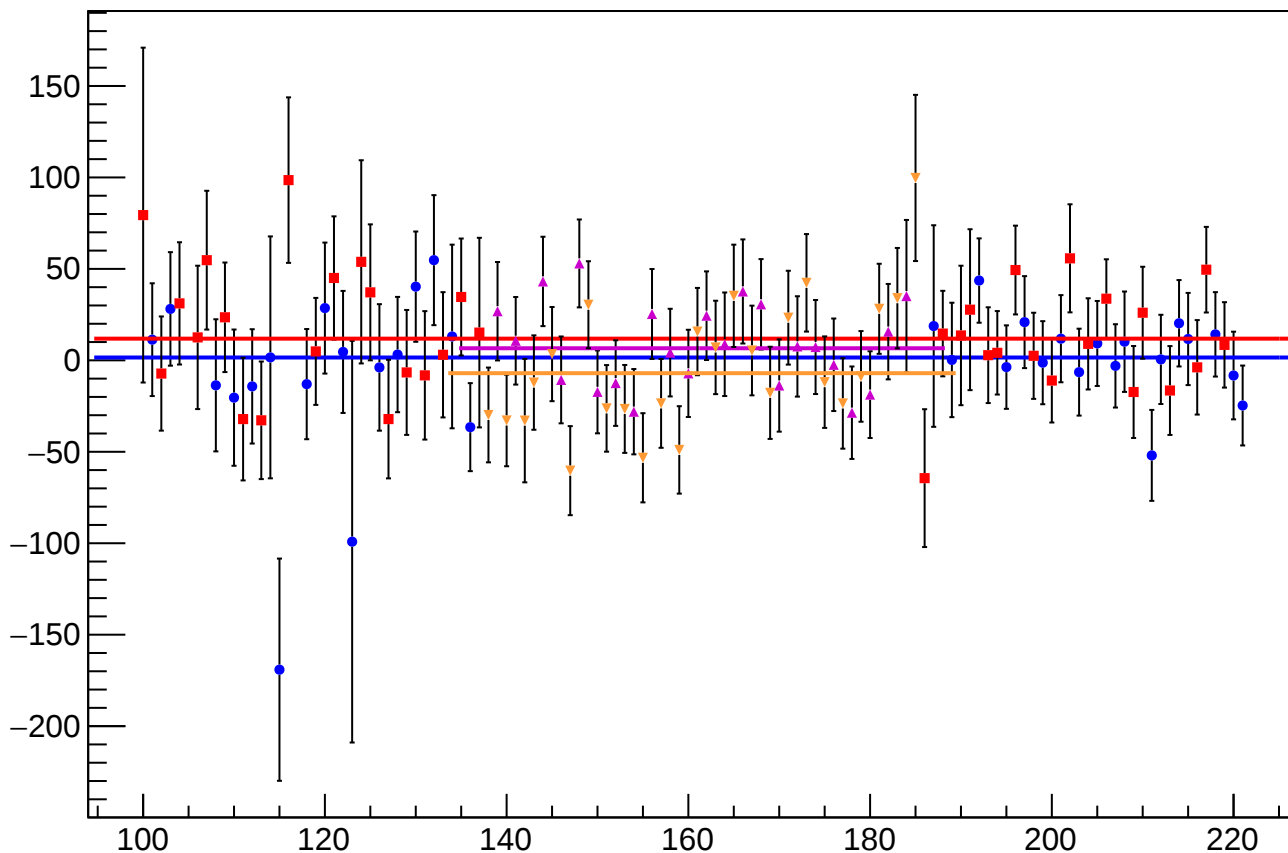
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF:147093.3/22

+ sign 15.928 $\pm$ 0.002 χ^2 /NDF: 268348.2/59

All: 15.941 $\pm$ 0.001 χ^2 /NDF: 527573.8/119

- sign 15.955 $\pm$ 0.002 χ^2 /NDF: 259120.3/59

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 1.551 ± 4.794 χ^2/NDF : 29.6/34

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 11.860 ± 4.867 χ^2/NDF : 32.4/36

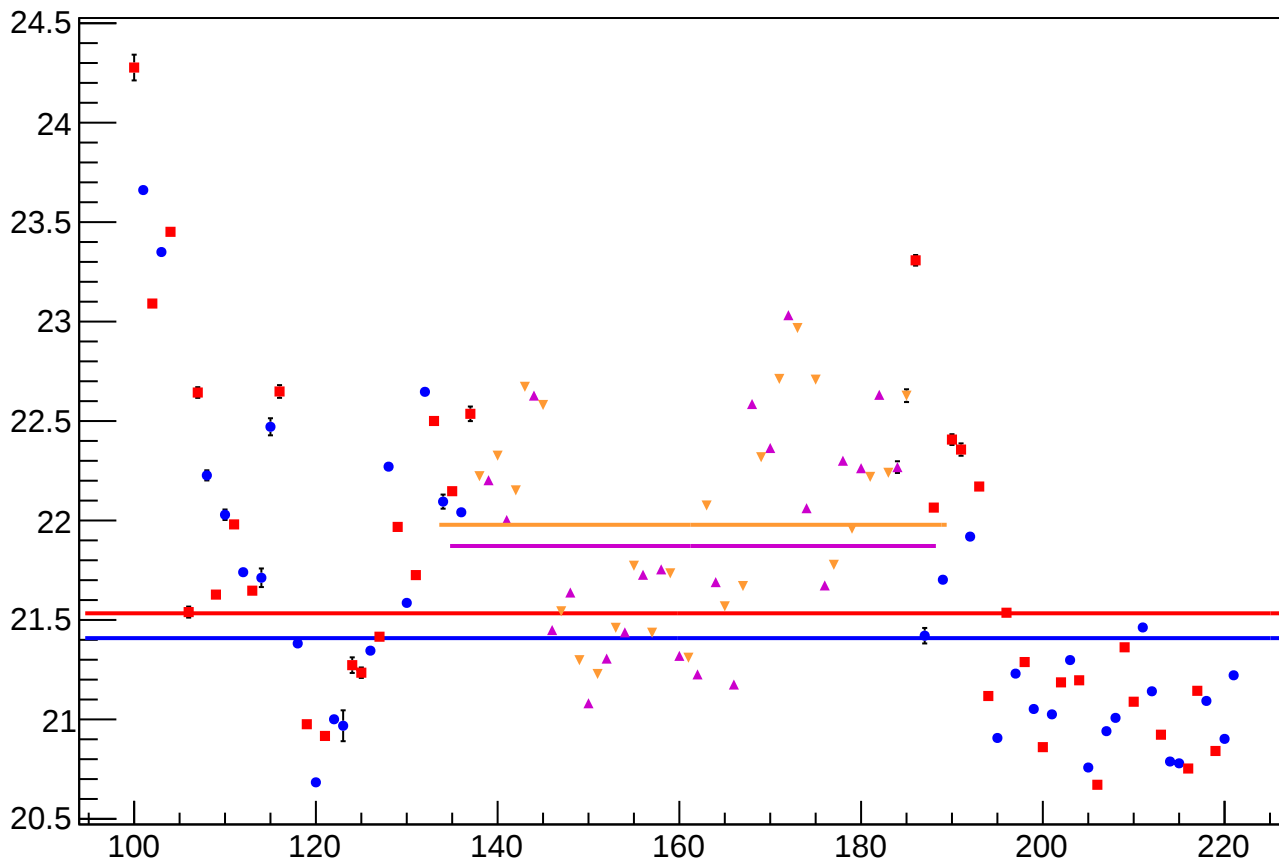
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -2.451 ± 3.500 χ^2/NDF : 68.5/59

All: 3.375 ± 2.499 χ^2/NDF : 126.2/119

- sign 9.435 ± 3.570 χ^2/NDF : 52.1/59

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.409 ± 0.003 $\chi^2/\text{NDF}: 38271.9/34$

Left Out: 21.978 ± 0.004 $\chi^2/\text{NDF}: 19430.2/24$

Right Out: 21.533 ± 0.003 $\chi^2/\text{NDF}: 42720.7/36$

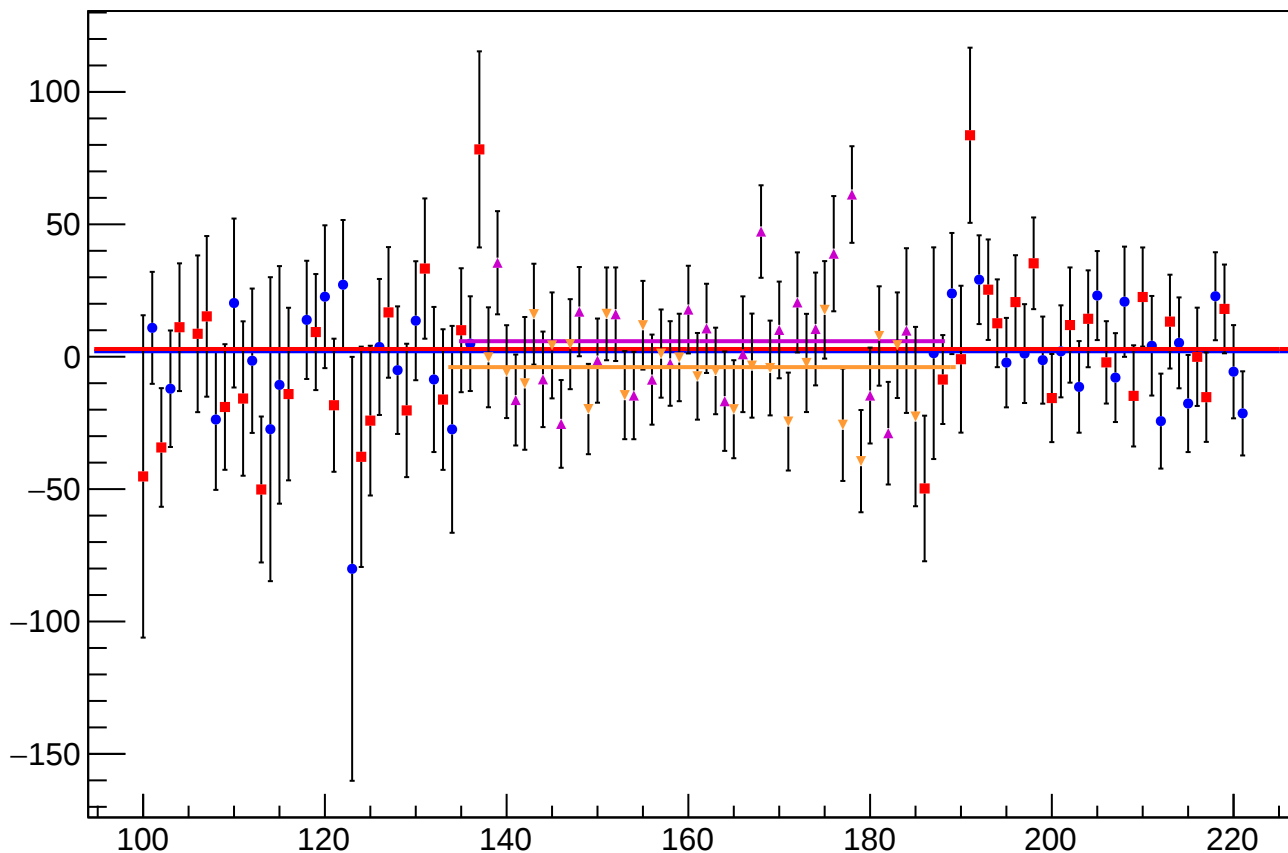
Left In: 21.872 ± 0.004 $\chi^2/\text{NDF}: 20524.9/22$

+ sign 21.675 ± 0.002 $\chi^2/\text{NDF}: 70897.7/59$

All: 21.682 ± 0.002 $\chi^2/\text{NDF}: 138629.4/119$

- sign 21.690 ± 0.003 $\chi^2/\text{NDF}: 67713.6/59$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.060 ± 3.542 $\chi^2/\text{NDF}: 20.5/34$

Left Out: -3.927 ± 3.688 $\chi^2/\text{NDF}: 14.0/24$

Right Out: 2.922 ± 3.600 $\chi^2/\text{NDF}: 41.4/36$

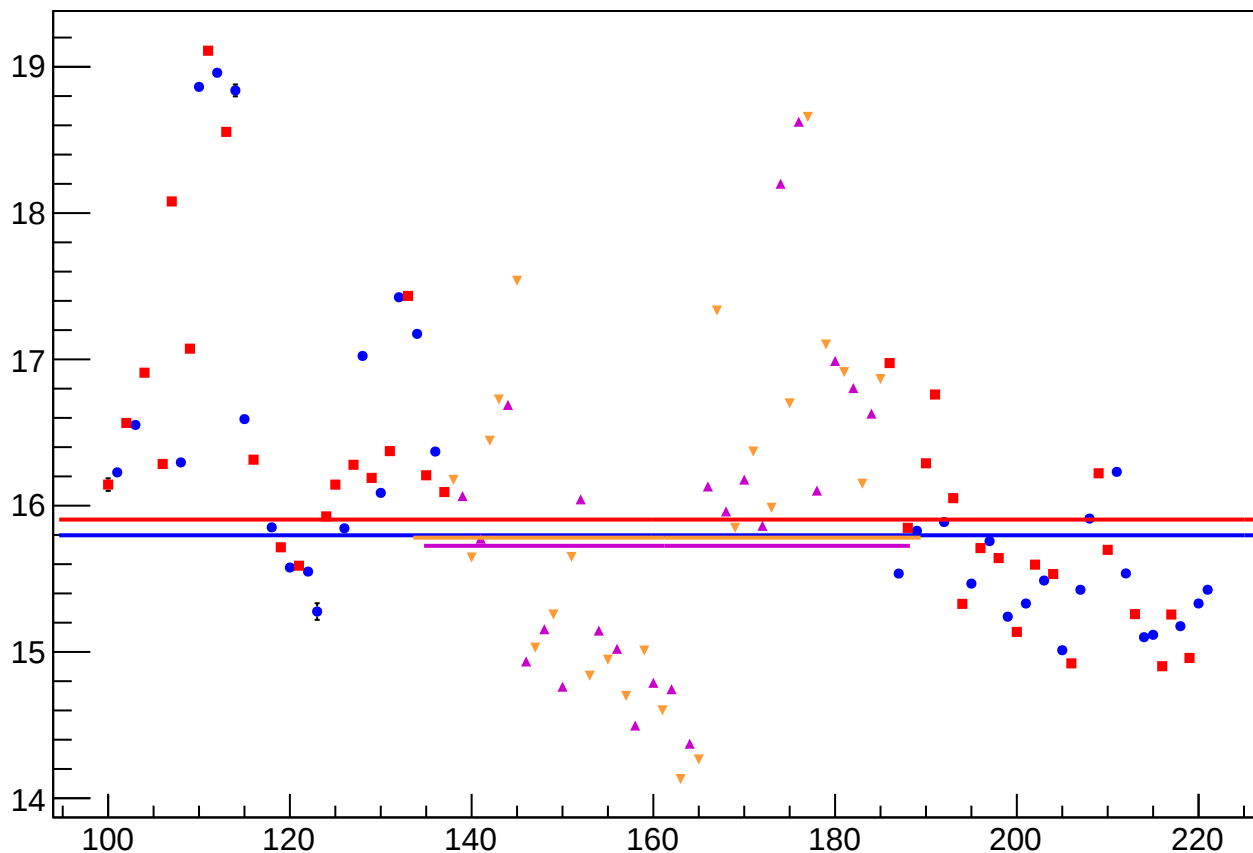
Left In: 5.861 ± 3.787 $\chi^2/\text{NDF}: 36.2/22$

+ sign -0.813 ± 2.555 $\chi^2/\text{NDF}: 35.9/59$

All: 1.698 ± 1.825 $\chi^2/\text{NDF}: 115.8/119$

- sign 4.317 ± 2.609 $\chi^2/\text{NDF}: 77.9/59$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.797 $\pm$ 0.003 χ^2 /NDF: 96565.9/34

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF:172894.3/24

Right Out: 15.905 $\pm$ 0.003 χ^2 /NDF: 112742.4/36

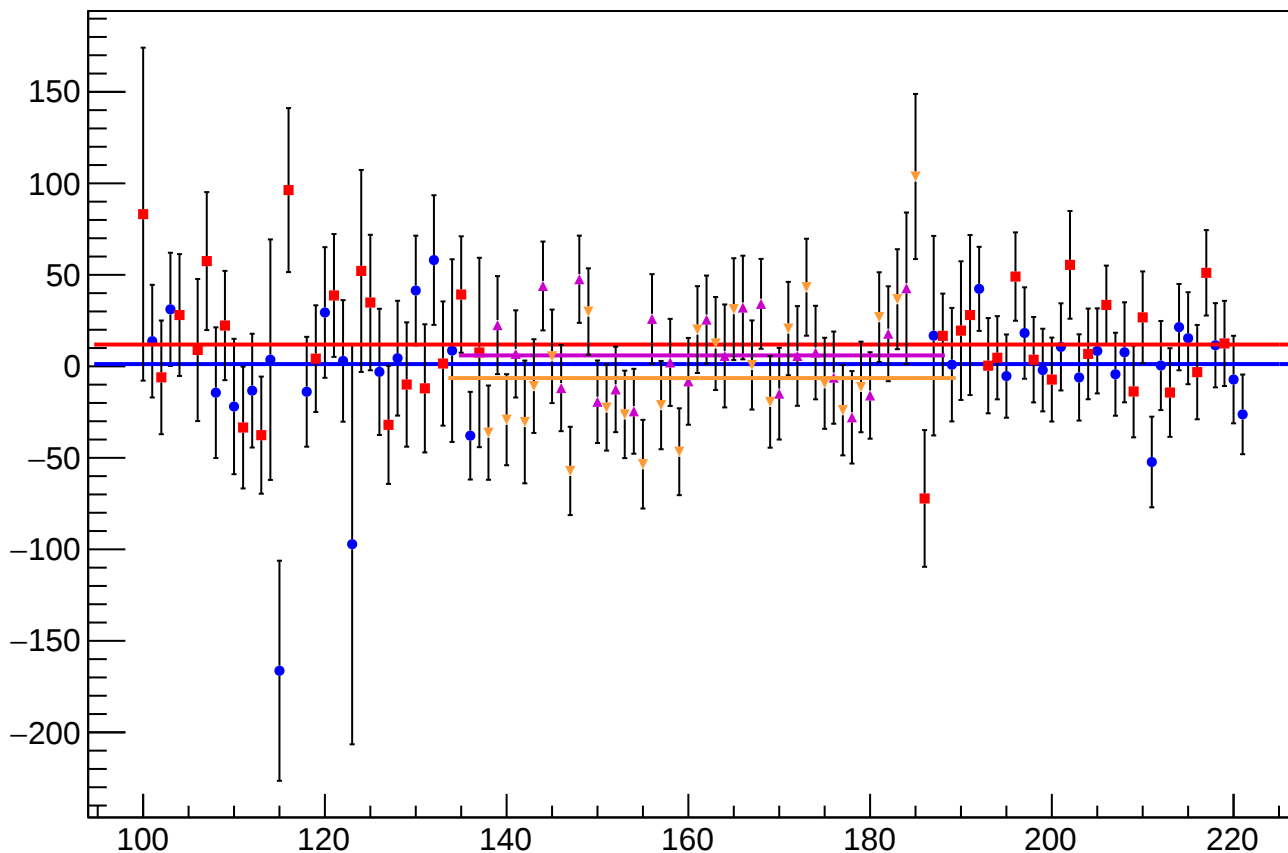
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF:145830.9/22

+ sign 15.790 $\pm$ 0.002 χ^2 /NDF: 269480.2/59

All: 15.804 $\pm$ 0.001 χ^2 /NDF: 530550.6/119

- sign 15.820 $\pm$ 0.002 χ^2 /NDF: 260935.3/59

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 1.238 ± 4.774 χ^2/NDF : 30.4/34

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 11.925 ± 4.844 χ^2/NDF : 33.5/36

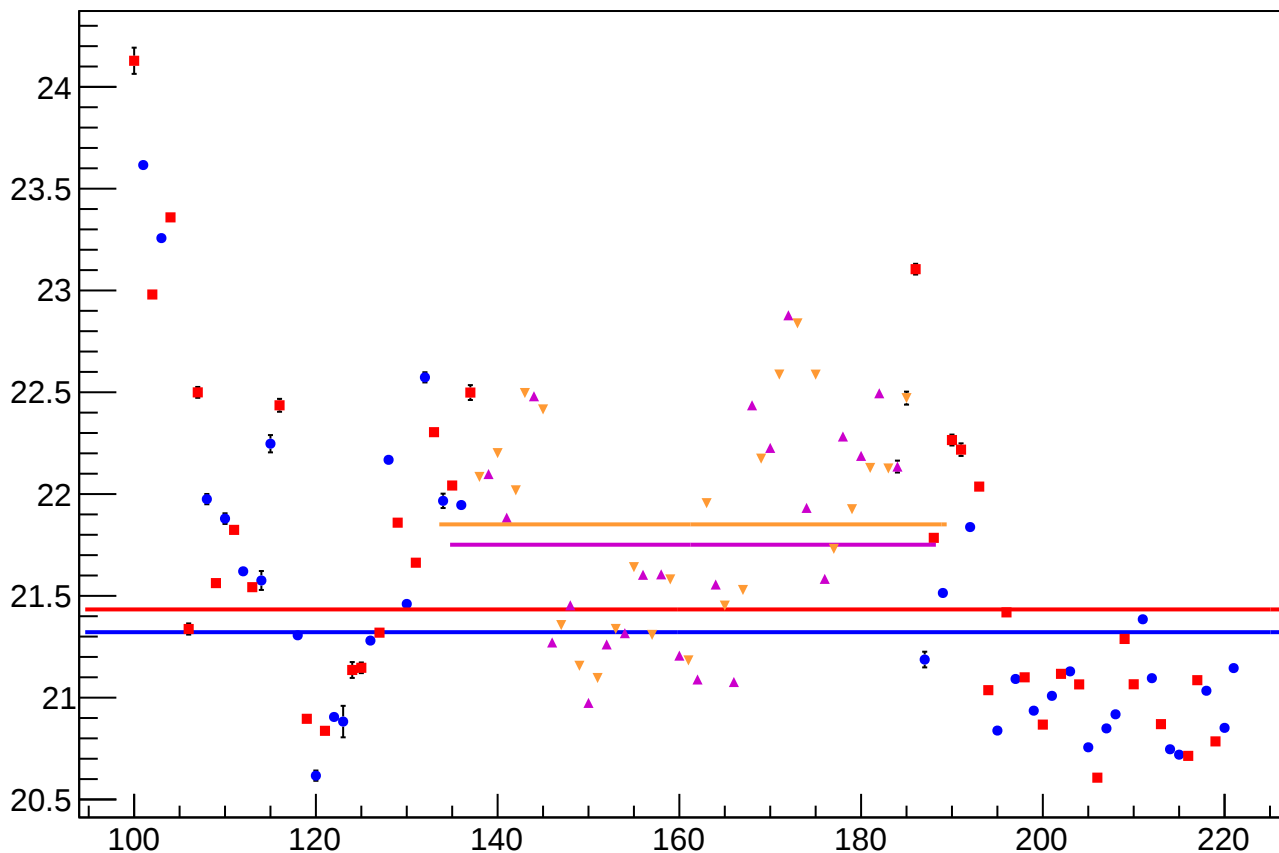
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -2.337 ± 3.483 χ^2/NDF : 69.0/59

All: 3.306 ± 2.487 χ^2/NDF : 127.1/119

- sign 9.175 ± 3.551 χ^2/NDF : 52.8/59

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.322 $\pm$ 0.003 χ^2 /NDF: 37052.3/34

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF:19631.8/24

Right Out: 21.433 $\pm$ 0.003 χ^2 /NDF: 39313.4/36

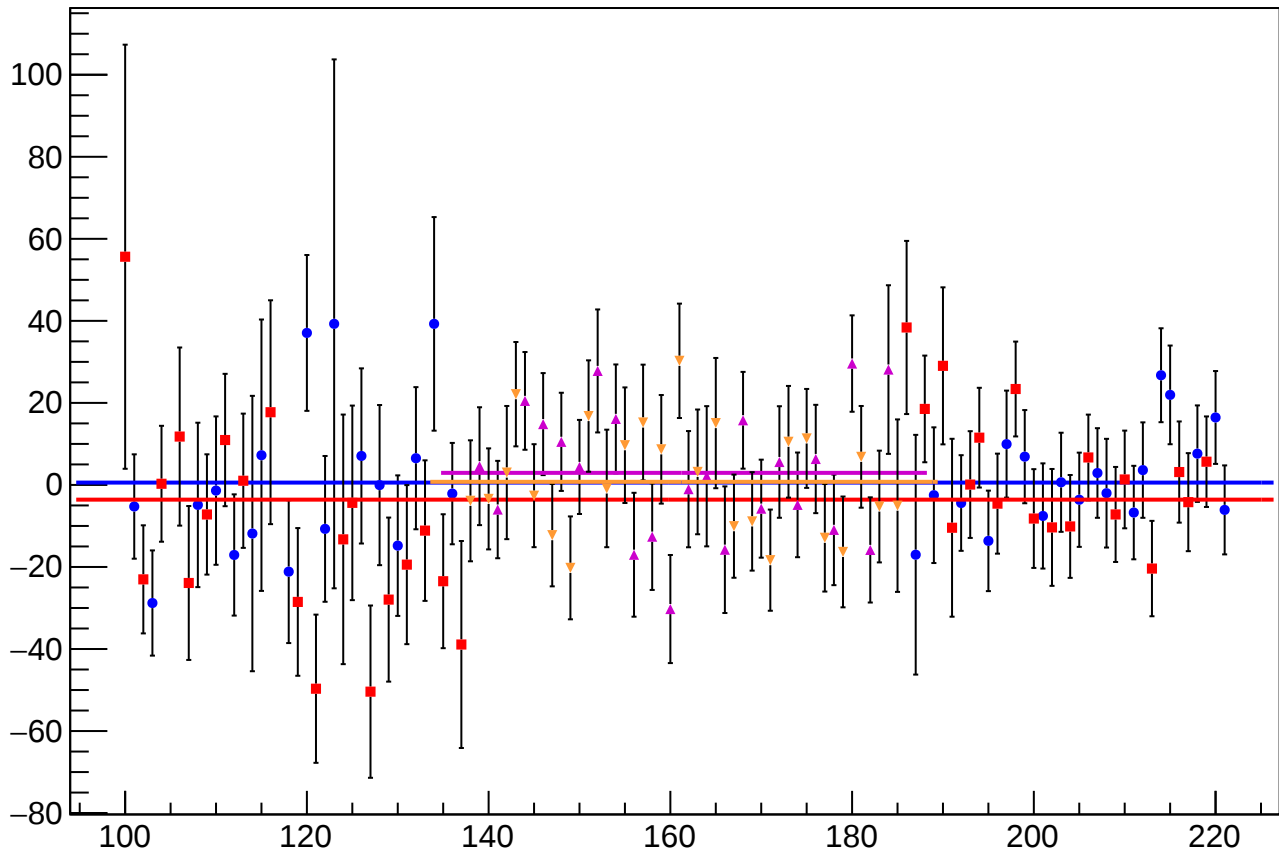
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF:20516.3/22

+ sign 21.569 $\pm$ 0.002 χ^2 /NDF: 68195.0/59

All: 21.575 $\pm$ 0.002 χ^2 /NDF: 132016.6/119

- sign 21.580 $\pm$ 0.003 χ^2 /NDF: 63811.9/59

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: 0.572 $\pm$ 2.401 χ^2/NDF : 31.4/34

Left Out: 0.759 $\pm$ 2.698 χ^2/NDF : 23.8/24

Right Out: -3.586 $\pm$ 2.456 χ^2/NDF : 48.0/36

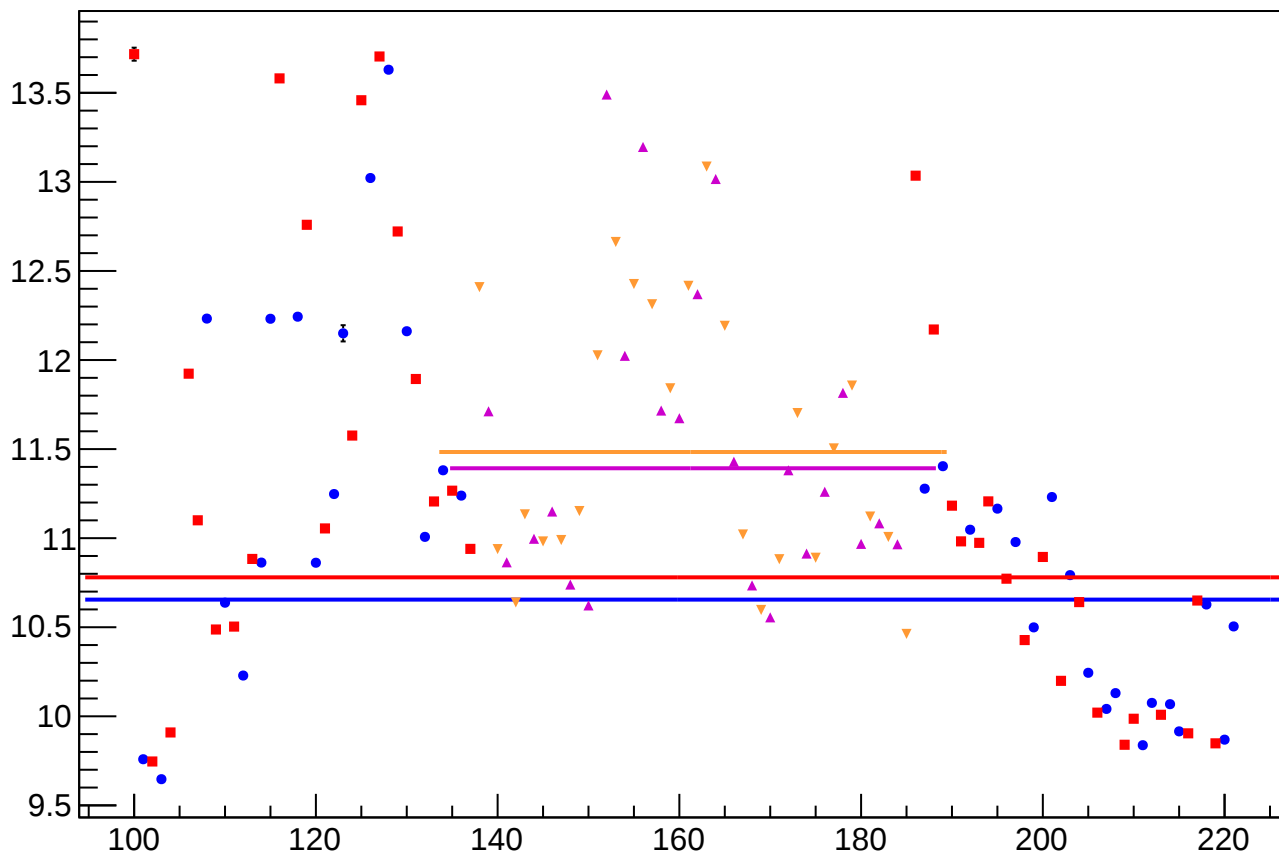
Left In: 2.944 $\pm$ 2.757 χ^2/NDF : 30.9/22

+ sign 0.654 $\pm$ 1.794 χ^2/NDF : 55.2/59

All: -0.006 $\pm$ 1.282 χ^2/NDF : 137.5/119

- sign -0.697 $\pm$ 1.834 χ^2/NDF : 82.0/59

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.655 $\pm$ 0.002 χ^2 /NDF: 221230.6/34

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 10.780 $\pm$ 0.002 χ^2 /NDF: 295131.0/36

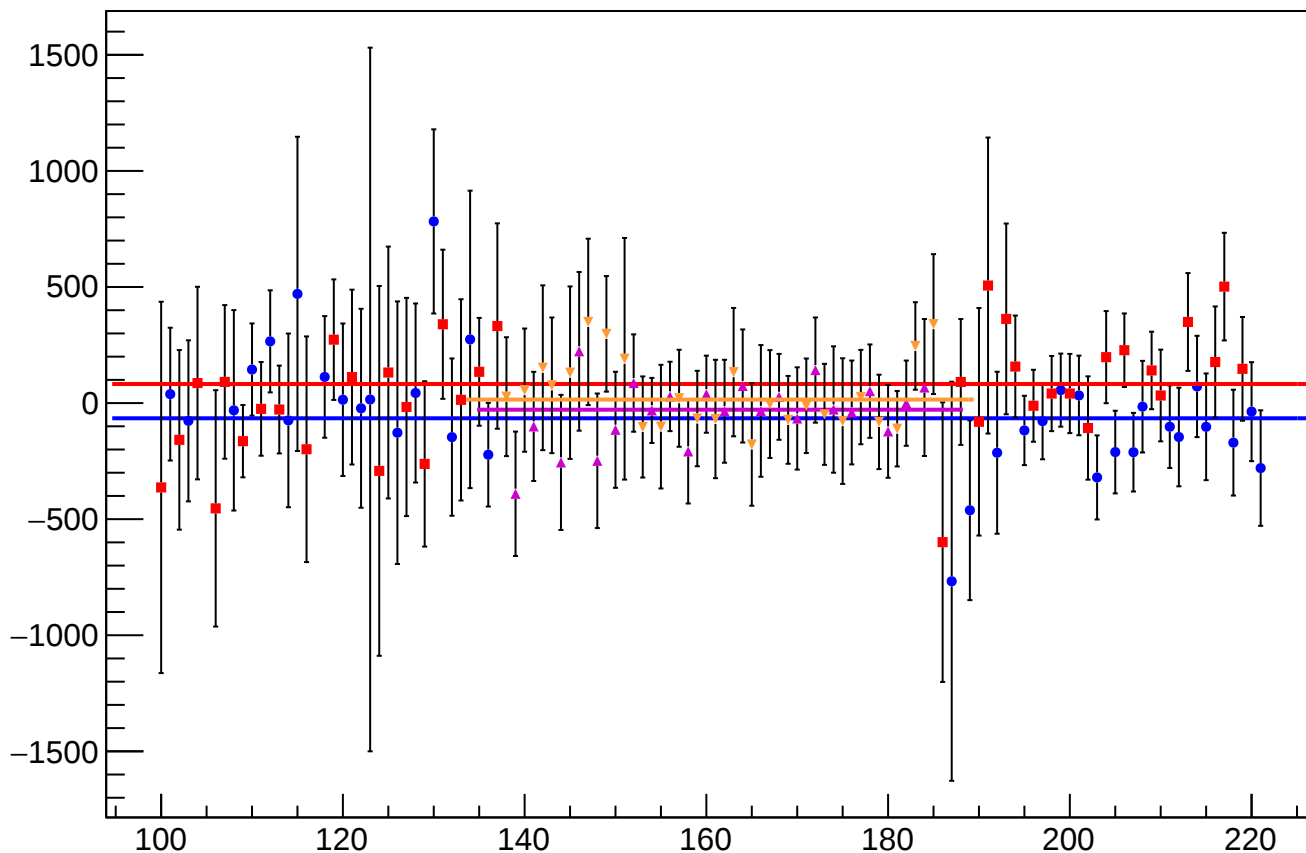
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.021 $\pm$ 0.001 χ^2 /NDF: 456300.8/59

All: 11.036 $\pm$ 0.001 χ^2 /NDF: 957181.9/119

- sign 11.051 $\pm$ 0.001 χ^2 /NDF: 500613.1/59

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -65.444 ± 40.666 χ^2/NDF : 18.2/34

Left Out: 15.130 ± 47.705 χ^2/NDF : 8.0/24

Right Out: 82.211 ± 41.087 χ^2/NDF : 18.2/36

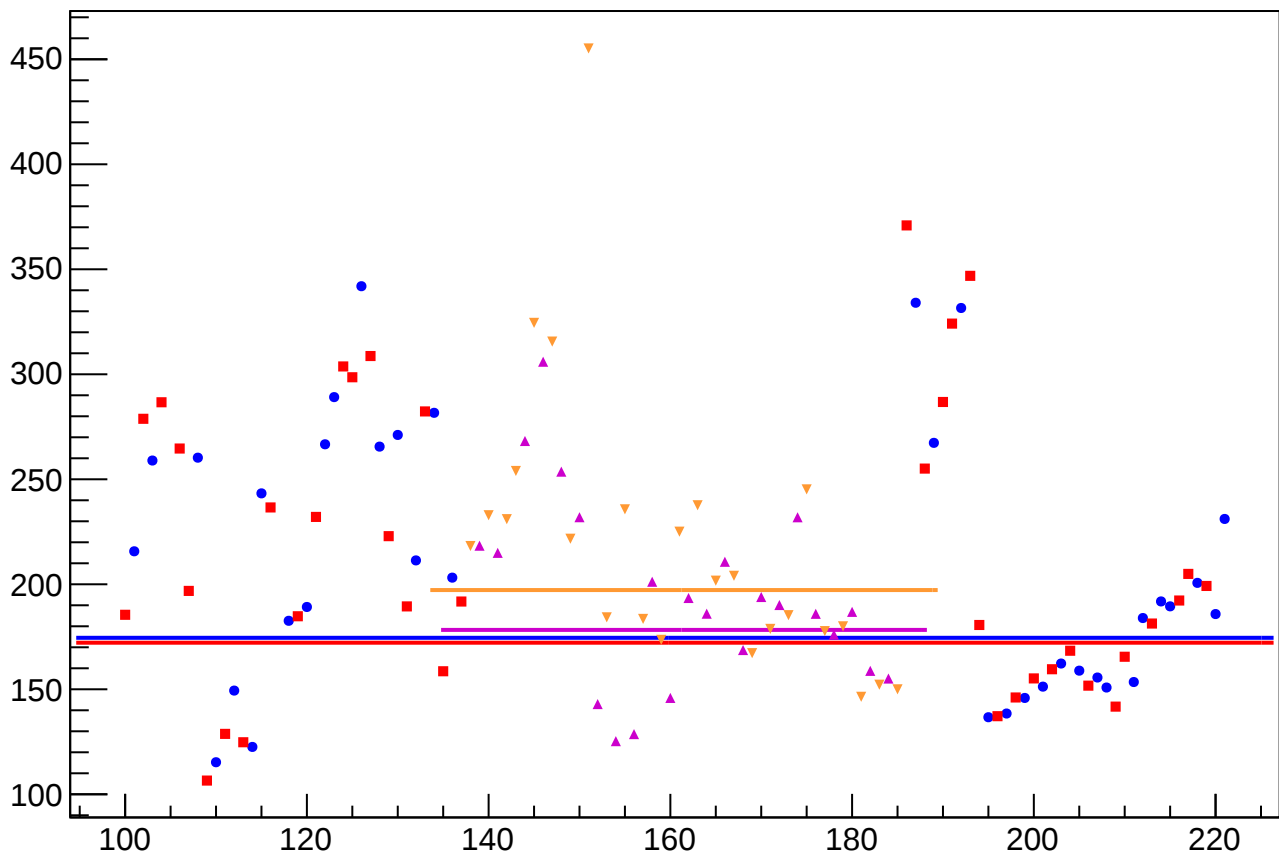
Left In: -28.500 ± 44.797 χ^2/NDF : 6.4/22

+ sign -31.534 ± 30.948 χ^2/NDF : 27.8/59

All: 0.736 ± 21.643 χ^2/NDF : 57.8/119

- sign 31.628 ± 30.280 χ^2/NDF : 27.9/59

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 174.517 ± 0.029 χ^2/NDF : 2313911.9/34

Left Out: 197.249 ± 0.034 χ^2/NDF : 1786808.1/24

Right Out: 172.182 ± 0.029 χ^2/NDF : 2926822.5/36

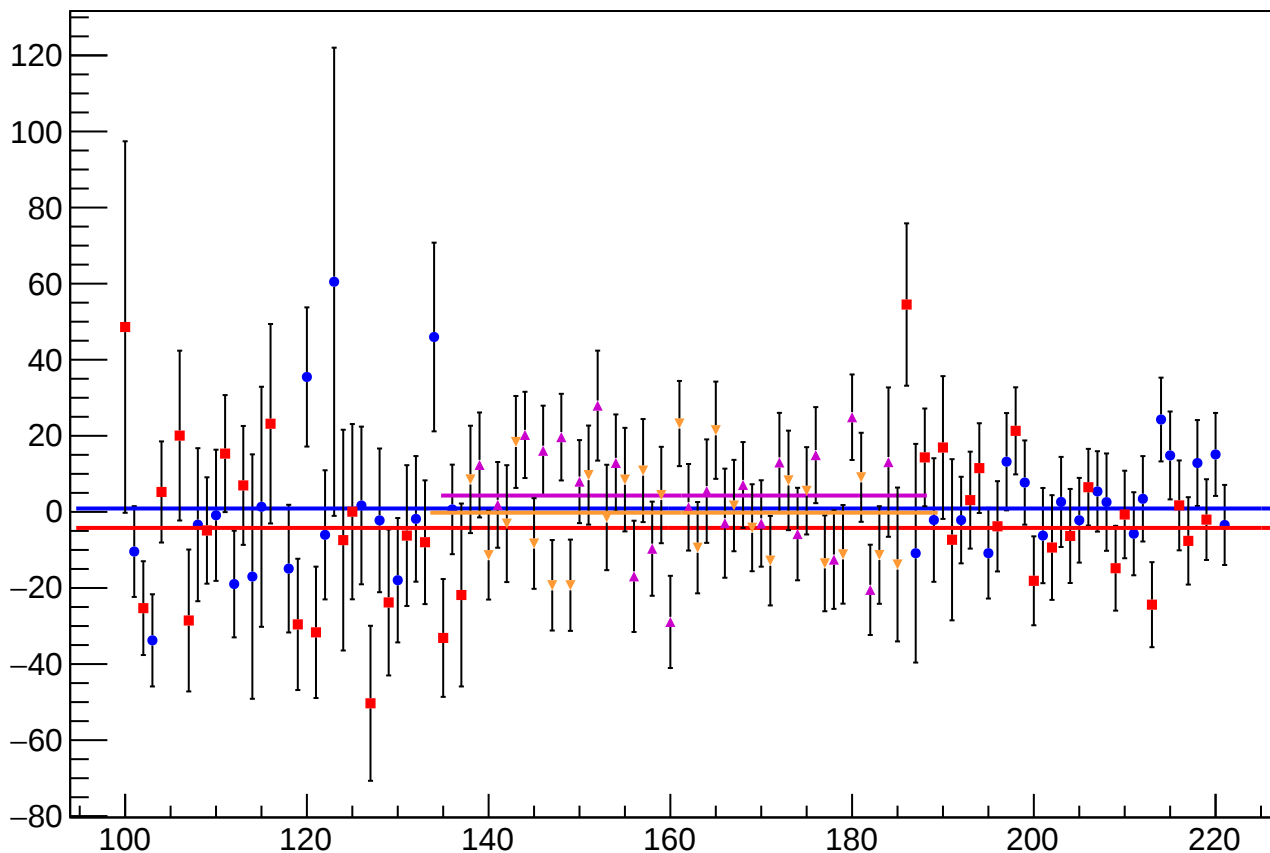
Left In: 178.277 ± 0.032 χ^2/NDF : 1628916.6/22

+ sign 184.084 ± 0.022 χ^2/NDF : 4363730.5/59

All: 179.426 ± 0.015 χ^2/NDF : 9028263.7/119

- sign 174.967 ± 0.021 χ^2/NDF : 4575847.1/59

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: 0.896 ± 2.316 χ^2/NDF : 34.3/34

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -4.209 ± 2.373 χ^2/NDF : 51.1/36

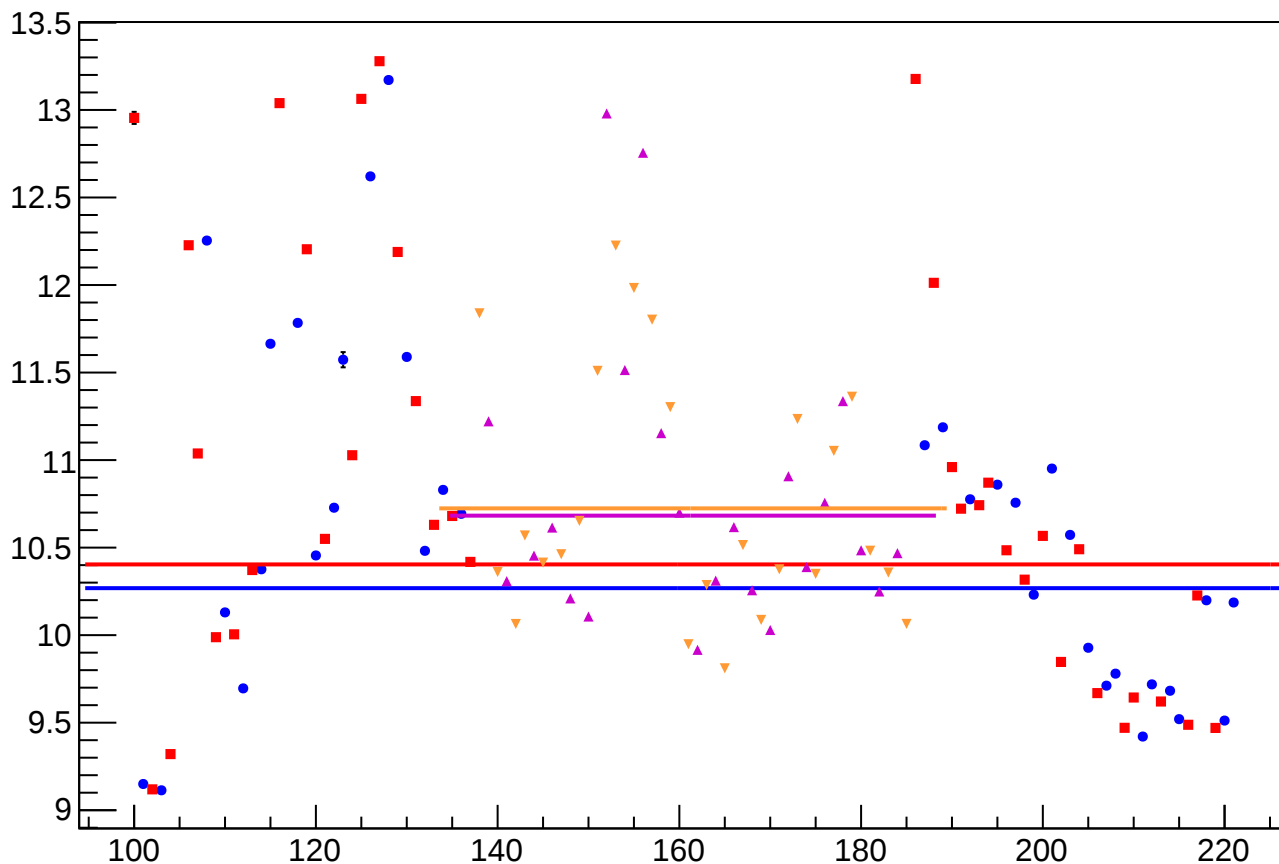
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign 0.390 ± 1.706 χ^2/NDF : 58.9/59

All: 0.041 ± 1.222 χ^2/NDF : 147.5/119

- sign -0.325 ± 1.749 χ^2/NDF : 88.5/59

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.268 $\pm$ 0.002 χ^2/NDF : 249737.4/34

Left Out: 10.724 $\pm$ 0.002 χ^2/NDF : 132558.9/24

Right Out: 10.404 $\pm$ 0.002 χ^2/NDF : 339194.2/36

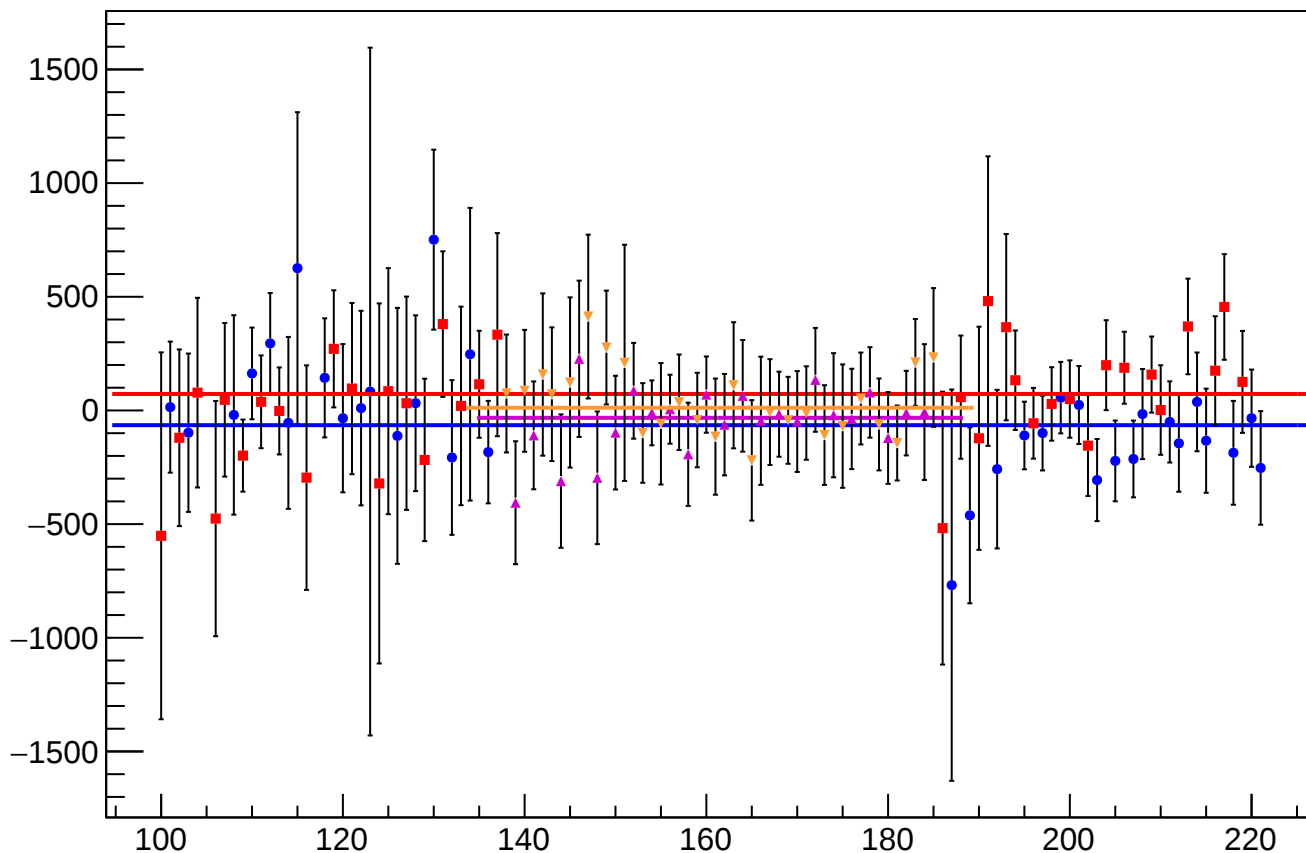
Left In: 10.683 $\pm$ 0.002 χ^2/NDF : 147835.6/22

+ sign 10.477 $\pm$ 0.001 χ^2/NDF : 417704.9/59

All: 10.503 $\pm$ 0.001 χ^2/NDF : 918309.9/119

- sign 10.531 $\pm$ 0.001 χ^2/NDF : 499613.4/59

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -64.776 ± 40.730 χ^2/NDF : 18.5/34

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 72.482 ± 41.207 χ^2/NDF : 18.7/36

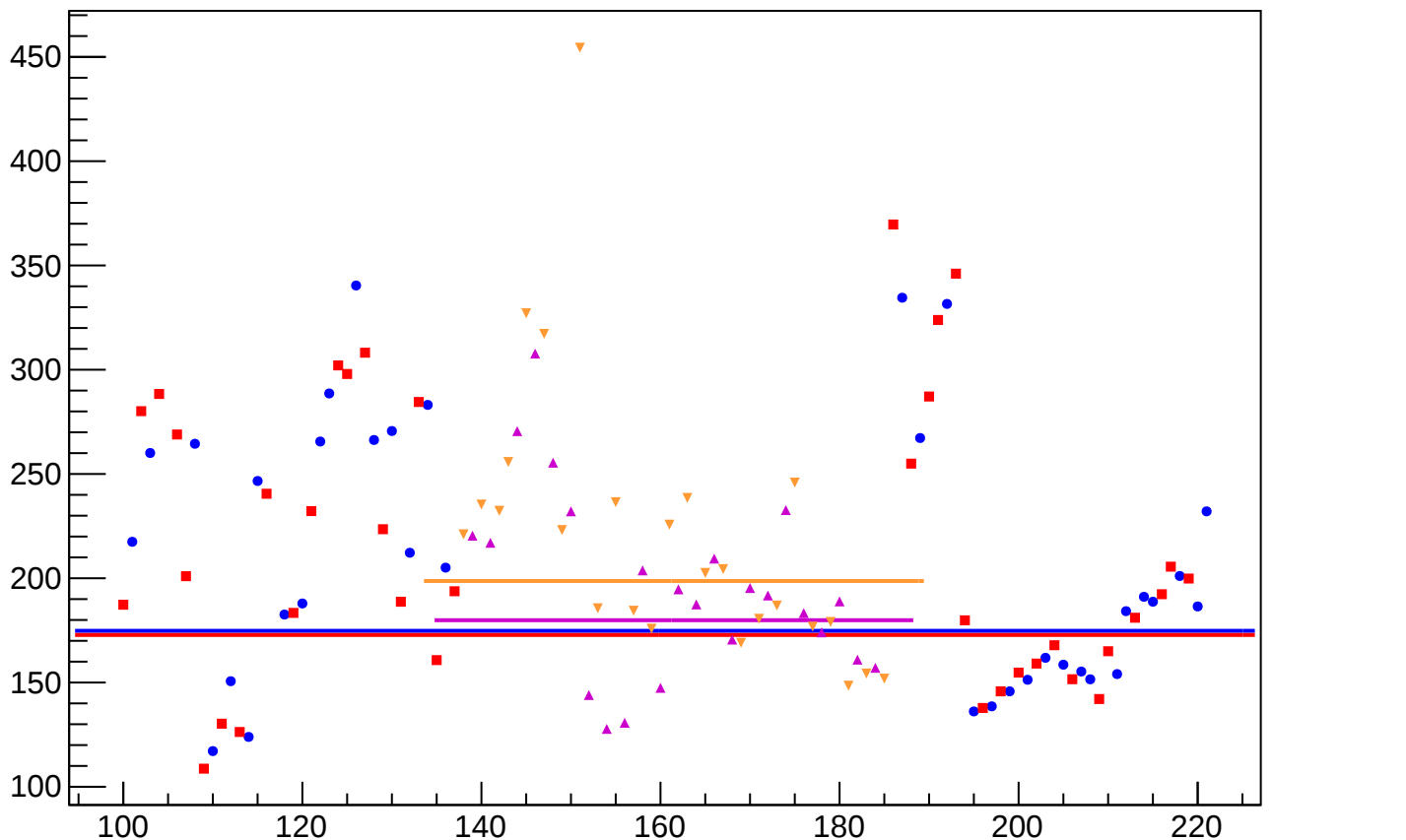
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign -32.700 ± 31.062 χ^2/NDF : 27.6/59

All: -3.357 ± 21.740 χ^2/NDF : 57.9/119

- sign 24.819 ± 30.438 χ^2/NDF : 28.5/59

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.797 $\pm$ 0.029 χ^2 /NDF: 2311460.2/34

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF:1759311.9/24

Right Out: 172.810 $\pm$ 0.029 χ^2 /NDF: 2884644.5/36

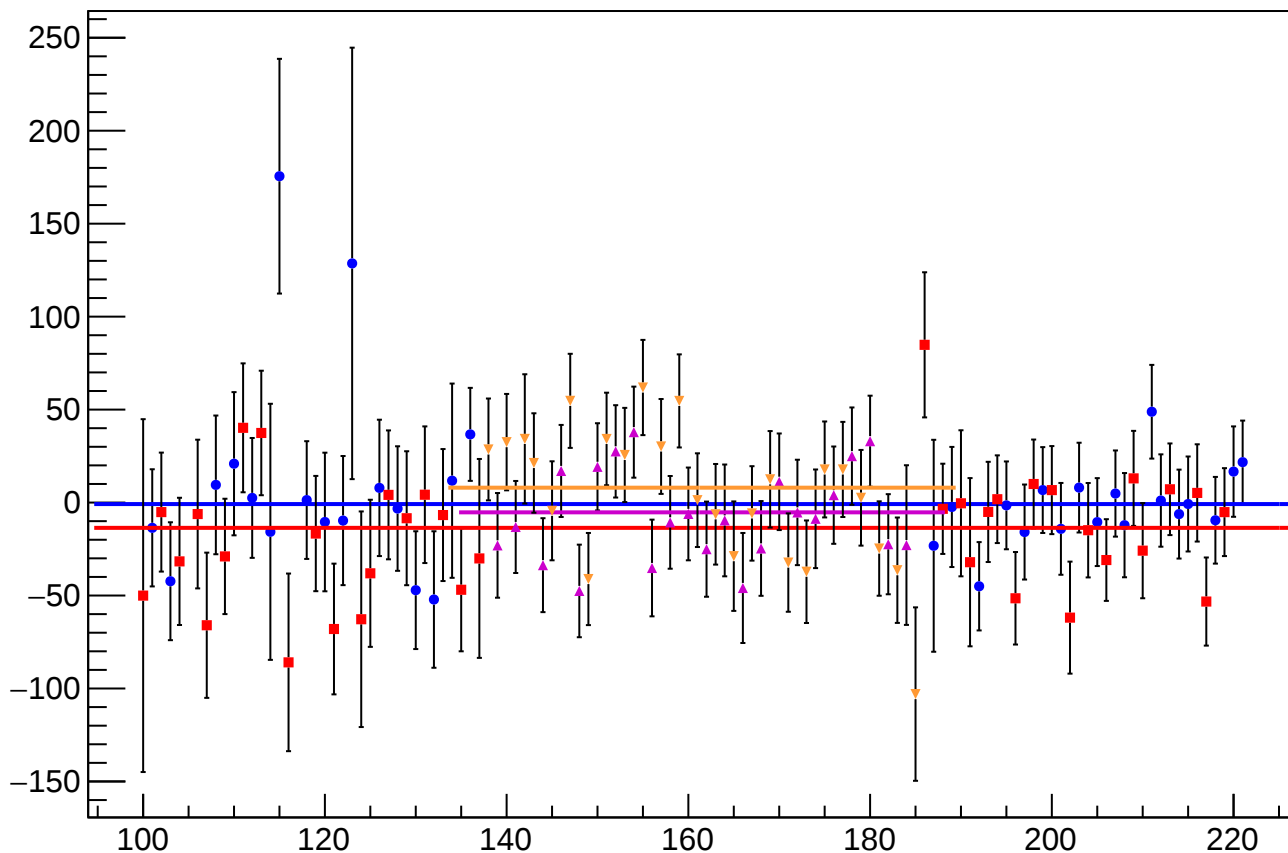
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

+ sign 184.795 $\pm$ 0.022 χ^2 /NDF: 4358848.9/59

All: 180.322 $\pm$ 0.015 χ^2 /NDF: 8932256.8/119

- sign 176.026 $\pm$ 0.022 χ^2 /NDF: 4492078.0/59

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.809 $\pm$ 4.920 χ^2/NDF : 28.5/34

Left Out: 8.004 $\pm$ 5.334 χ^2/NDF : 37.4/24

Right Out: -13.601 $\pm$ 5.007 χ^2/NDF : 34.8/36

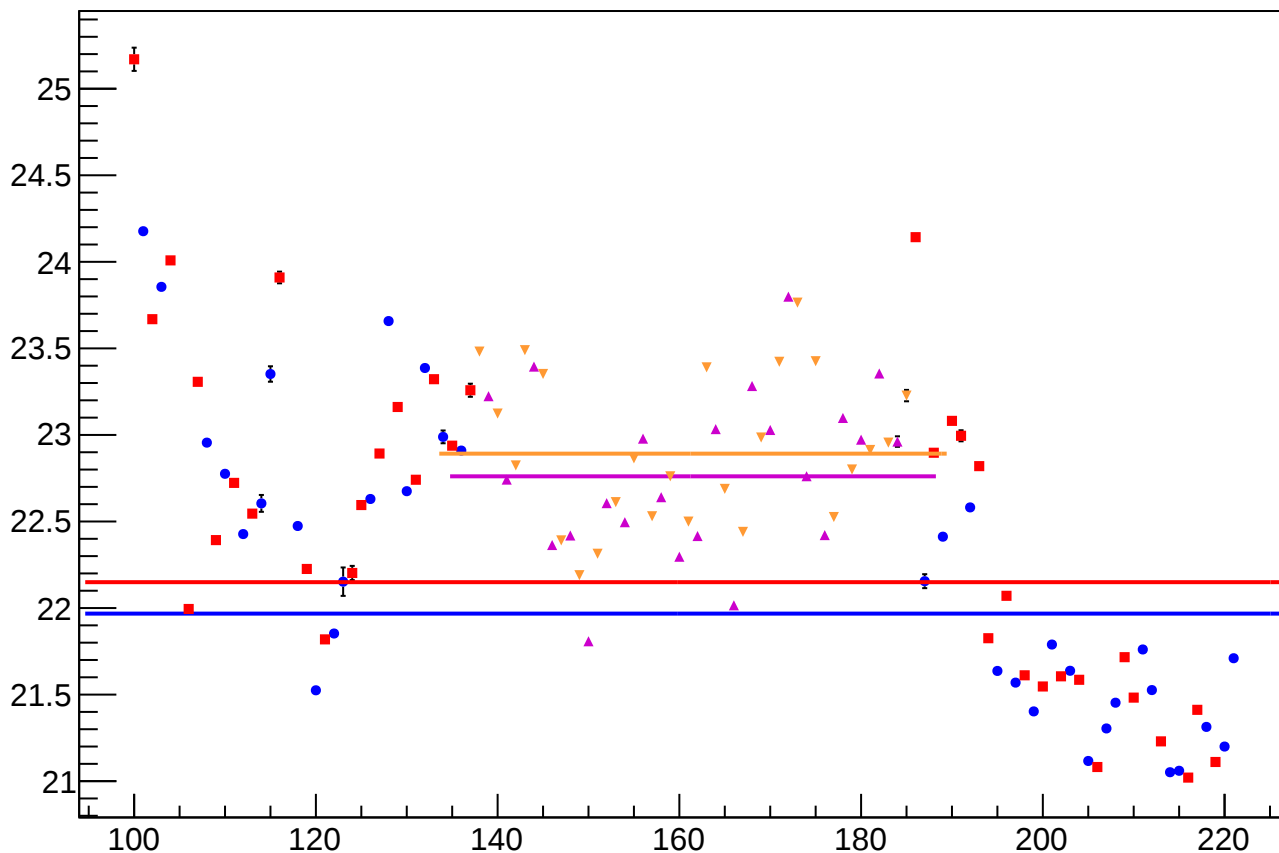
Left In: -5.261 $\pm$ 5.465 χ^2/NDF : 20.8/22

+ sign 3.242 $\pm$ 3.616 χ^2/NDF : 67.4/59

All: -3.142 $\pm$ 2.583 χ^2/NDF : 130.6/119

- sign -9.794 $\pm$ 3.692 χ^2/NDF : 56.8/59

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 21.968 $\pm$ 0.003 χ^2 /NDF: 54158.9/34

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF:12995.5/24

Right Out: 22.149 $\pm$ 0.004 χ^2 /NDF: 59011.5/36

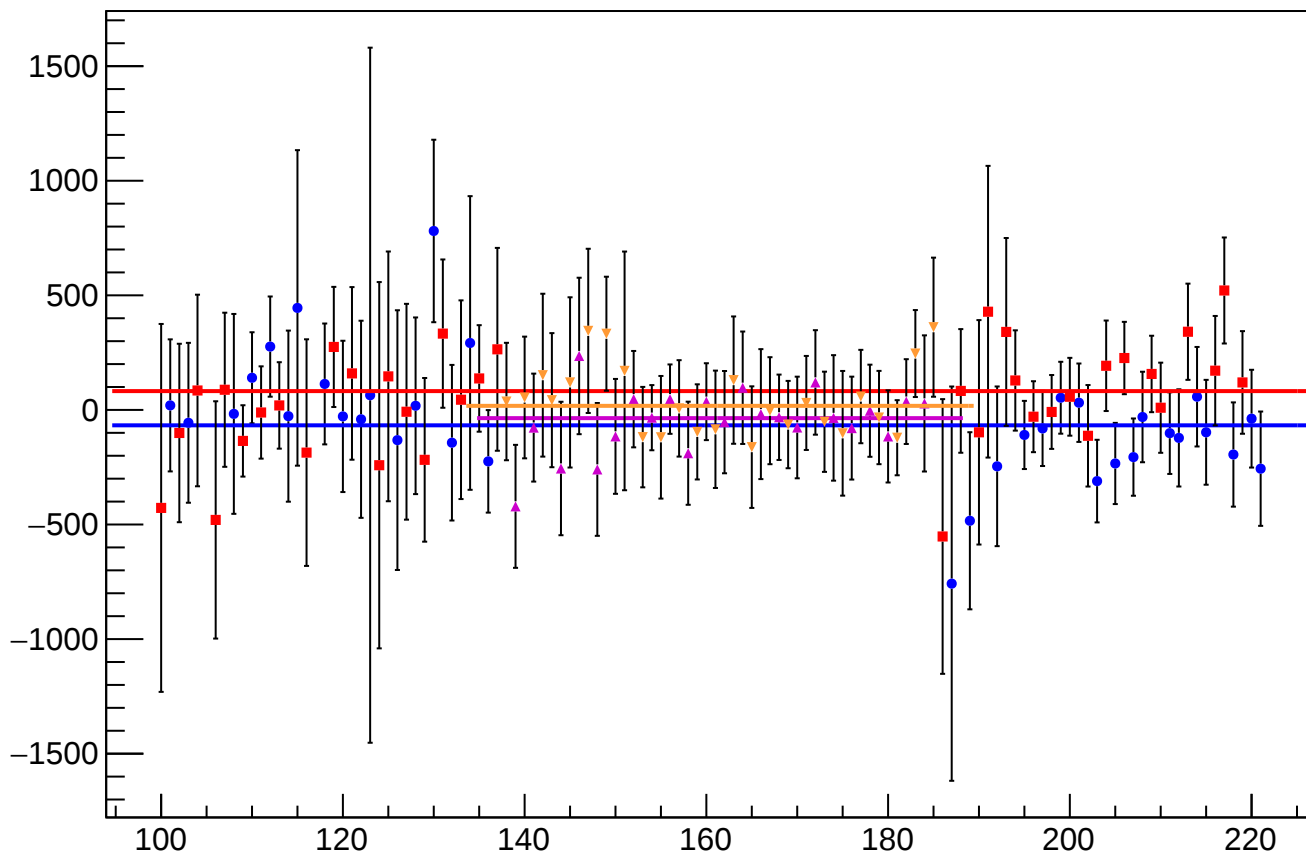
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14550.0/22

+ sign 22.393 $\pm$ 0.003 χ^2 /NDF: 99584.9/59

All: 22.410 $\pm$ 0.002 χ^2 /NDF: 186854.2/119

- sign 22.429 $\pm$ 0.003 χ^2 /NDF: 87172.7/59

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -67.236 ± 40.617 $\chi^2/\text{NDF}: 18.0/34$

Left Out: 17.777 ± 47.941 $\chi^2/\text{NDF}: 8.5/24$

Right Out: 82.100 ± 41.039 $\chi^2/\text{NDF}: 17.1/36$

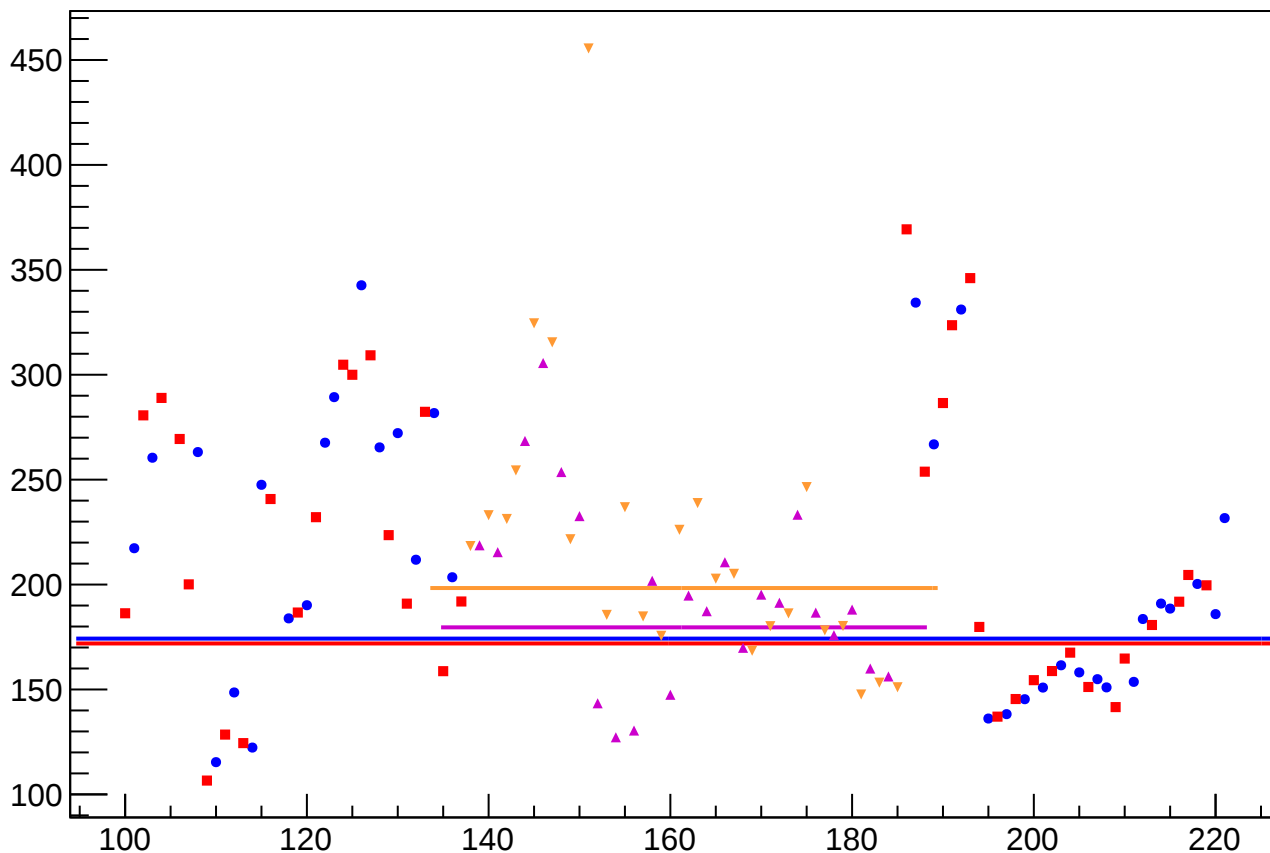
Left In: -35.879 ± 45.087 $\chi^2/\text{NDF}: 6.3/22$

+ sign -31.714 ± 30.990 $\chi^2/\text{NDF}: 28.4/59$

All: -0.905 ± 21.683 $\chi^2/\text{NDF}: 57.5/119$

- sign 28.644 ± 30.349 $\chi^2/\text{NDF}: 27.2/59$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.243 $\pm$ 0.029 χ^2 /NDF: 2343289.4/34

Left Out: 198.344 $\pm$ 0.034 χ^2 /NDF:1757450.6/24

Right Out: 171.926 $\pm$ 0.029 χ^2 /NDF: 2955175.1/36

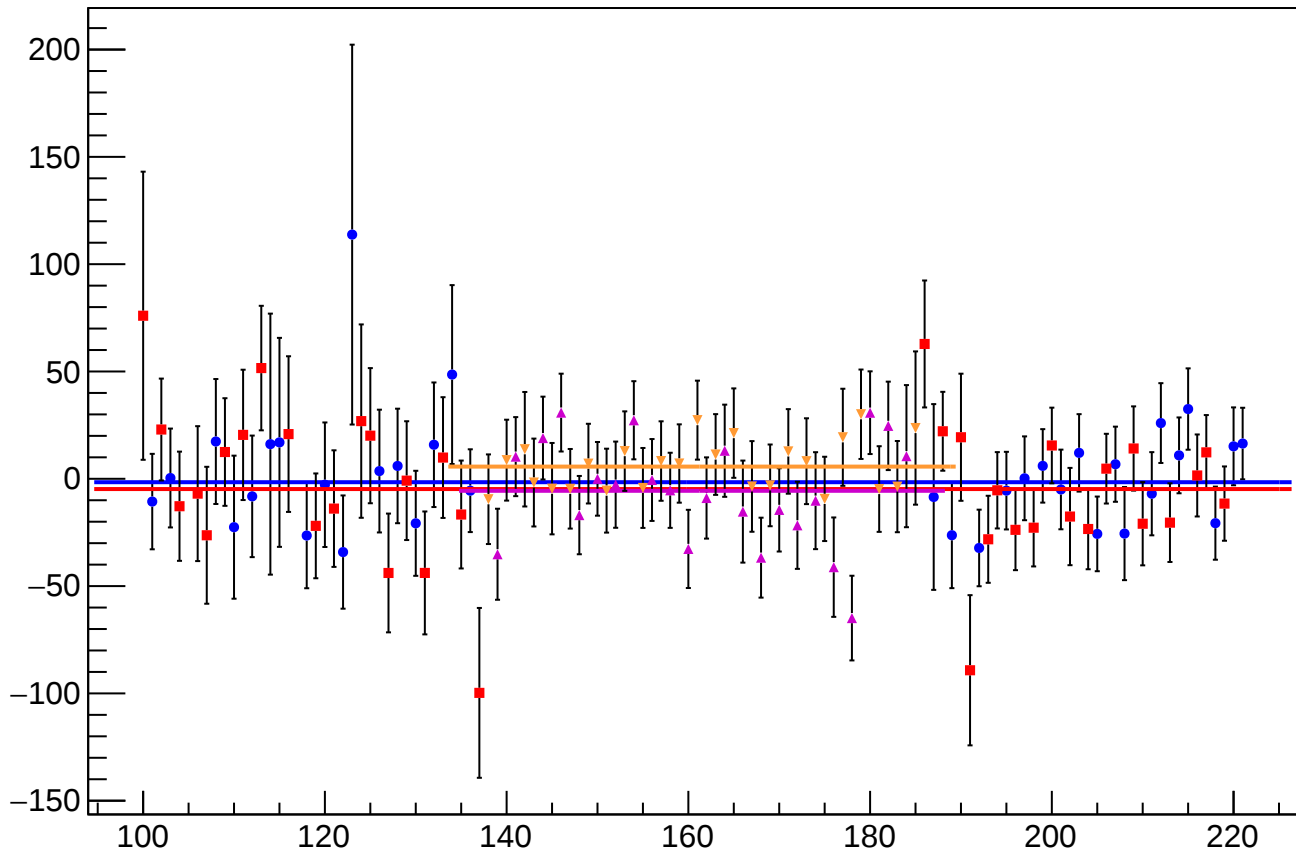
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF:1575744.0/22

+ sign 184.313 $\pm$ 0.022 χ^2 /NDF: 4394987.5/59

All: 179.766 $\pm$ 0.015 χ^2 /NDF: 9041984.7/119

- sign 175.405 $\pm$ 0.021 χ^2 /NDF: 4562646.1/59

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.592 ± 3.732 χ^2/NDF : 25.6/34

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: -4.783 ± 3.807 χ^2/NDF : 44.4/36

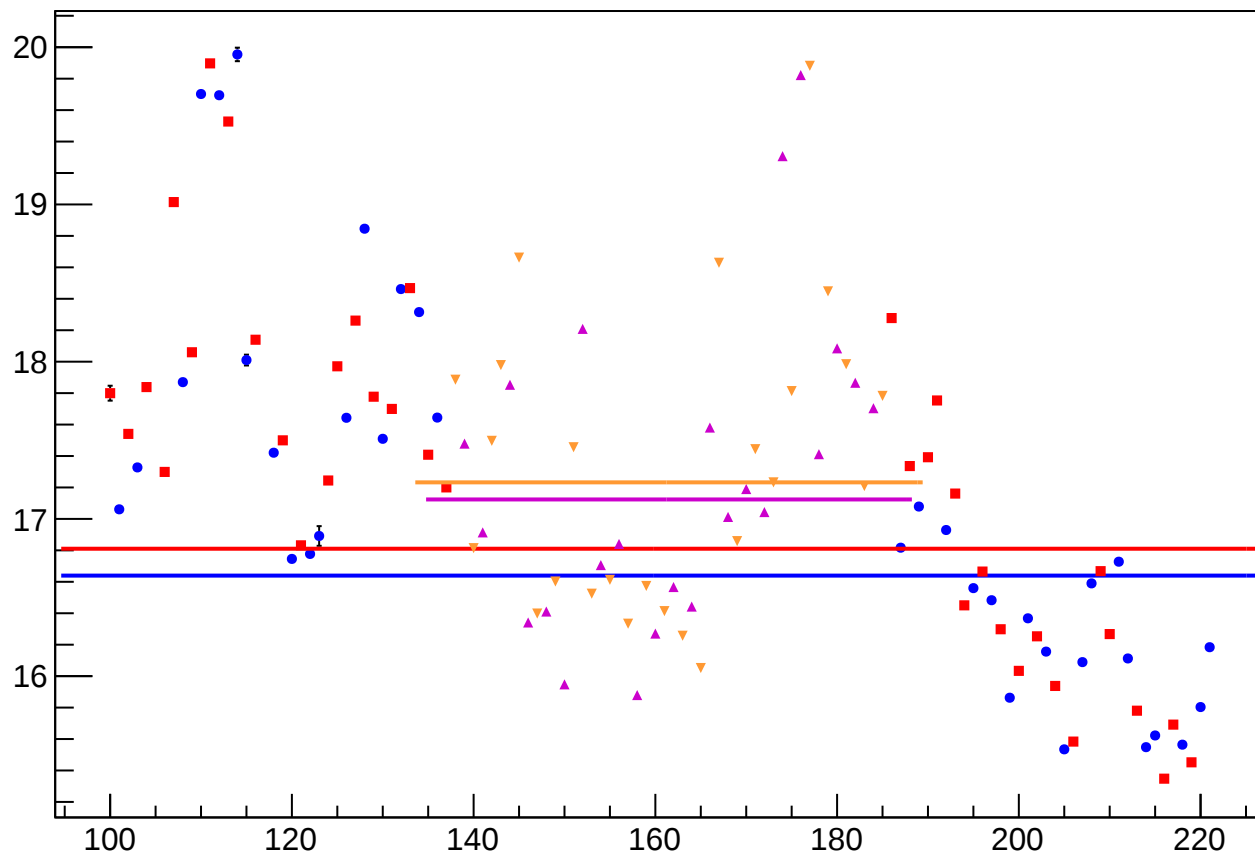
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 1.771 ± 2.736 χ^2/NDF : 35.1/59

All: -1.617 ± 1.956 χ^2/NDF : 119.1/119

- sign -5.157 ± 2.797 χ^2/NDF : 80.8/59

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.639 $\pm$ 0.003 χ^2 /NDF: 137261.4/34

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF: 98701.0/24

Right Out: 16.810 $\pm$ 0.003 χ^2 /NDF: 157207.6/36

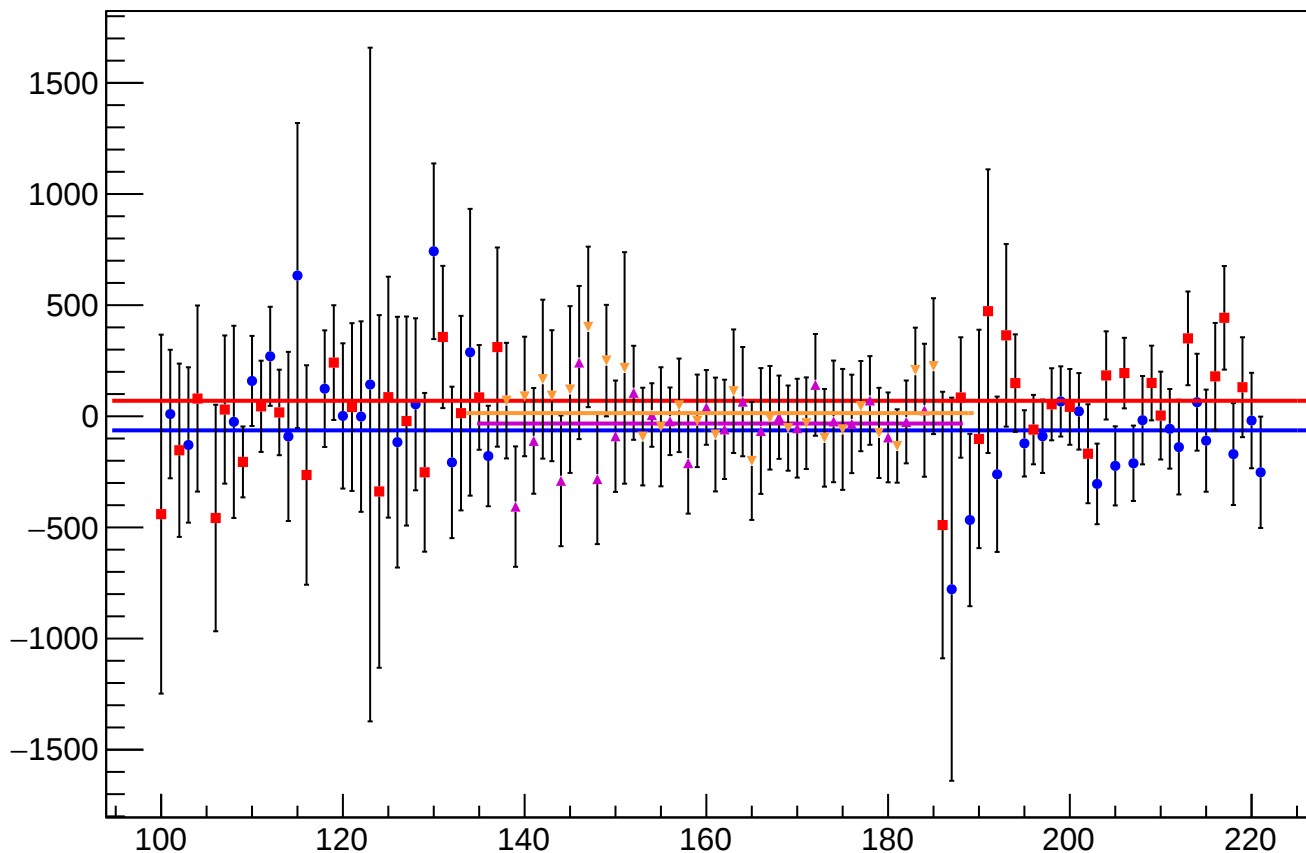
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 16.914 $\pm$ 0.002 χ^2 /NDF: 259316.4/59

All: 16.934 $\pm$ 0.001 χ^2 /NDF: 523730.0/119

- sign 16.955 $\pm$ 0.002 χ^2 /NDF: 264194.5/59

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -63.342 ± 40.852 χ^2/NDF : 18.1/34

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 69.798 ± 41.318 χ^2/NDF : 17.8/36

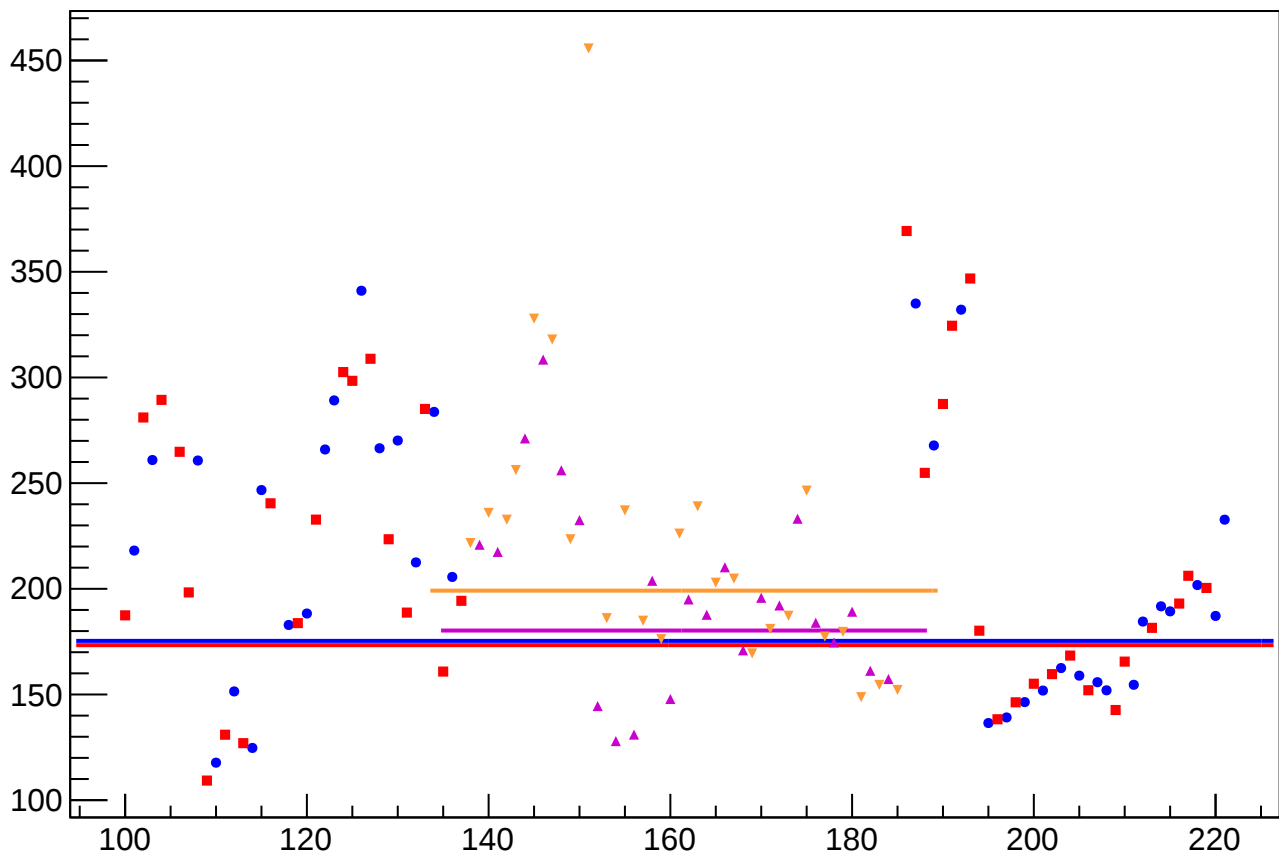
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign -30.803 ± 31.145 χ^2/NDF : 26.5/59

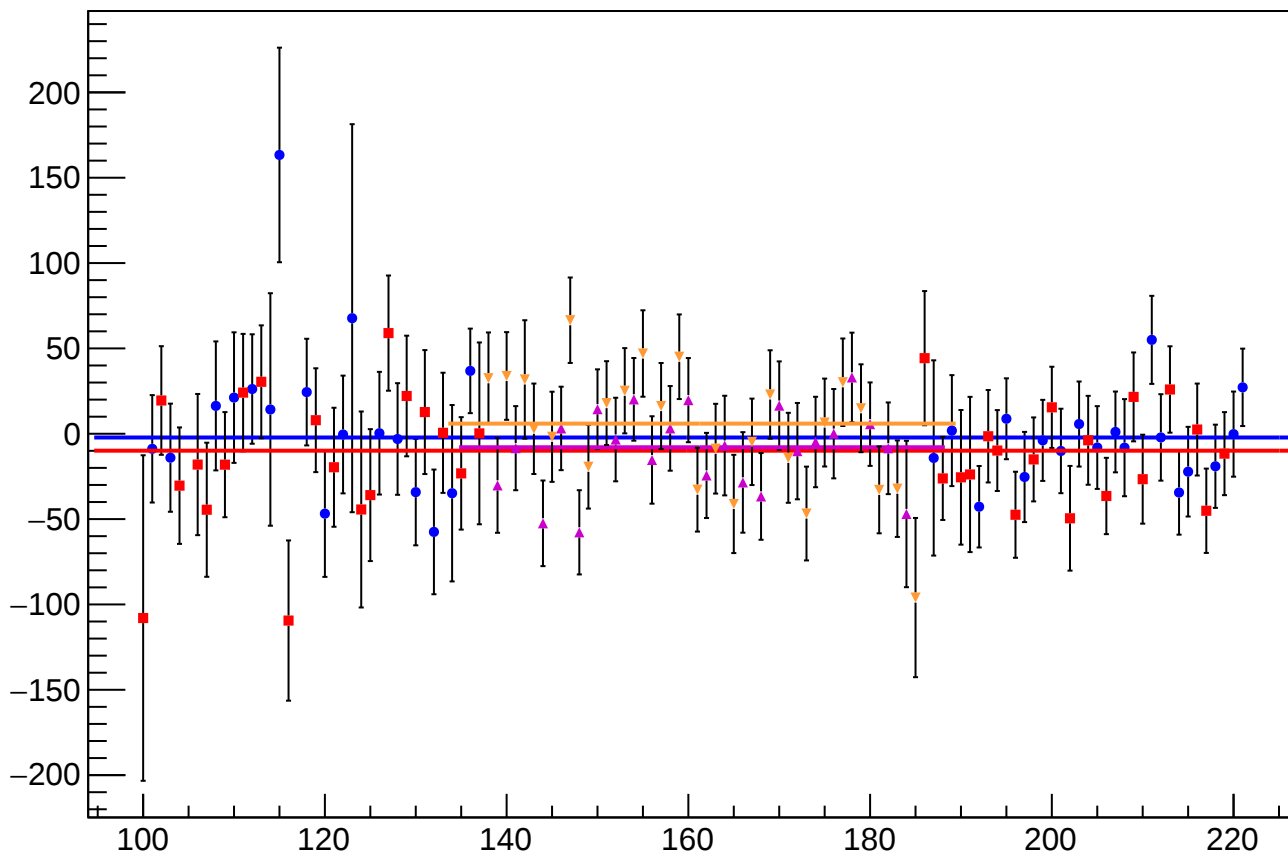
All: -3.220 ± 21.795 χ^2/NDF : 55.4/119

- sign 23.252 ± 30.511 χ^2/NDF : 27.3/59

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.195 ± 4.979 $\chi^2/\text{NDF}: 31.0/34$

Left Out: 5.937 ± 5.285 $\chi^2/\text{NDF}: 36.1/24$

Right Out: -9.921 ± 5.050 $\chi^2/\text{NDF}: 32.4/36$

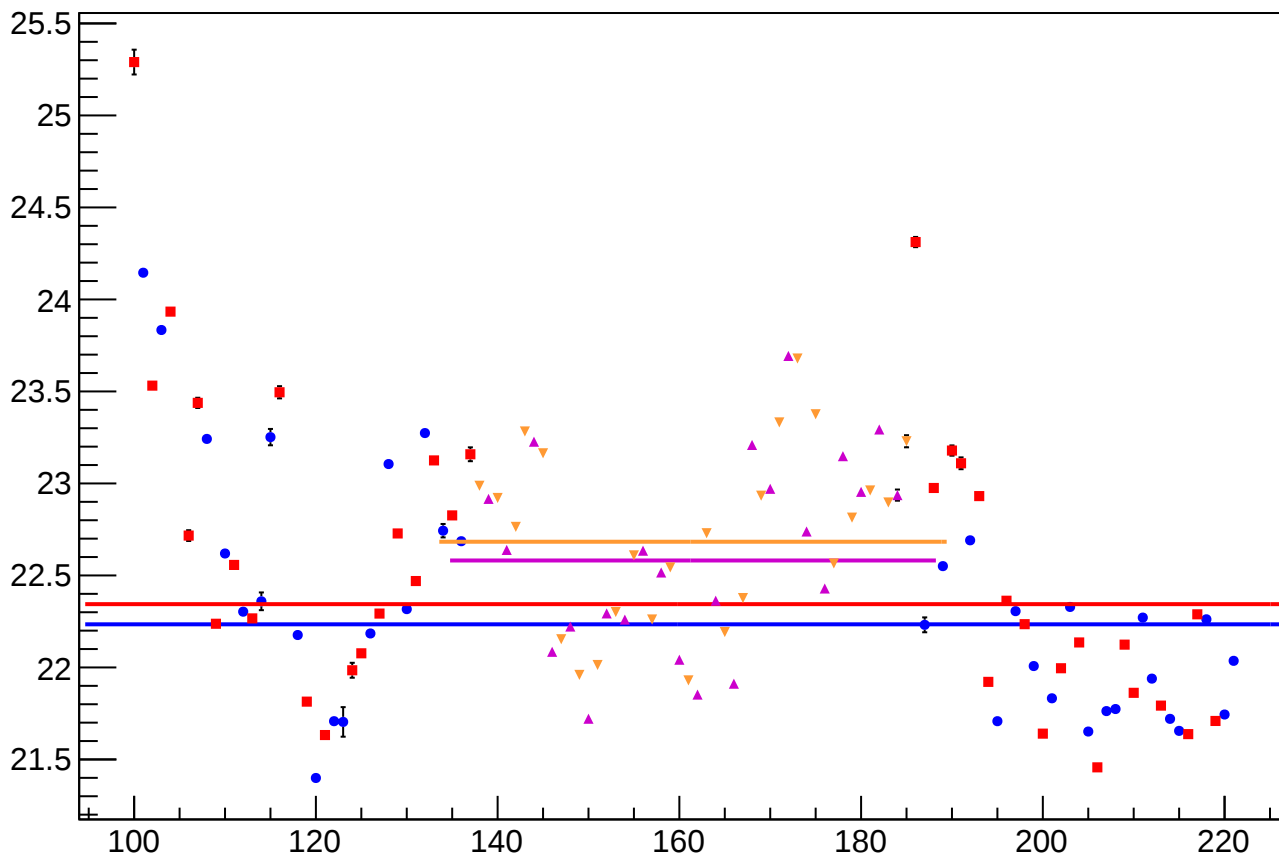
Left In: -7.915 ± 5.422 $\chi^2/\text{NDF}: 18.7/22$

+ sign 1.629 ± 3.624 $\chi^2/\text{NDF}: 68.4/59$

All: -3.577 ± 2.587 $\chi^2/\text{NDF}: 123.7/119$

- sign -8.989 ± 3.695 $\chi^2/\text{NDF}: 51.1/59$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.234 $\pm$ 0.004 χ^2 /NDF: 28266.0/34

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16320.2/24

Right Out: 22.344 $\pm$ 0.004 χ^2 /NDF: 35078.7/36

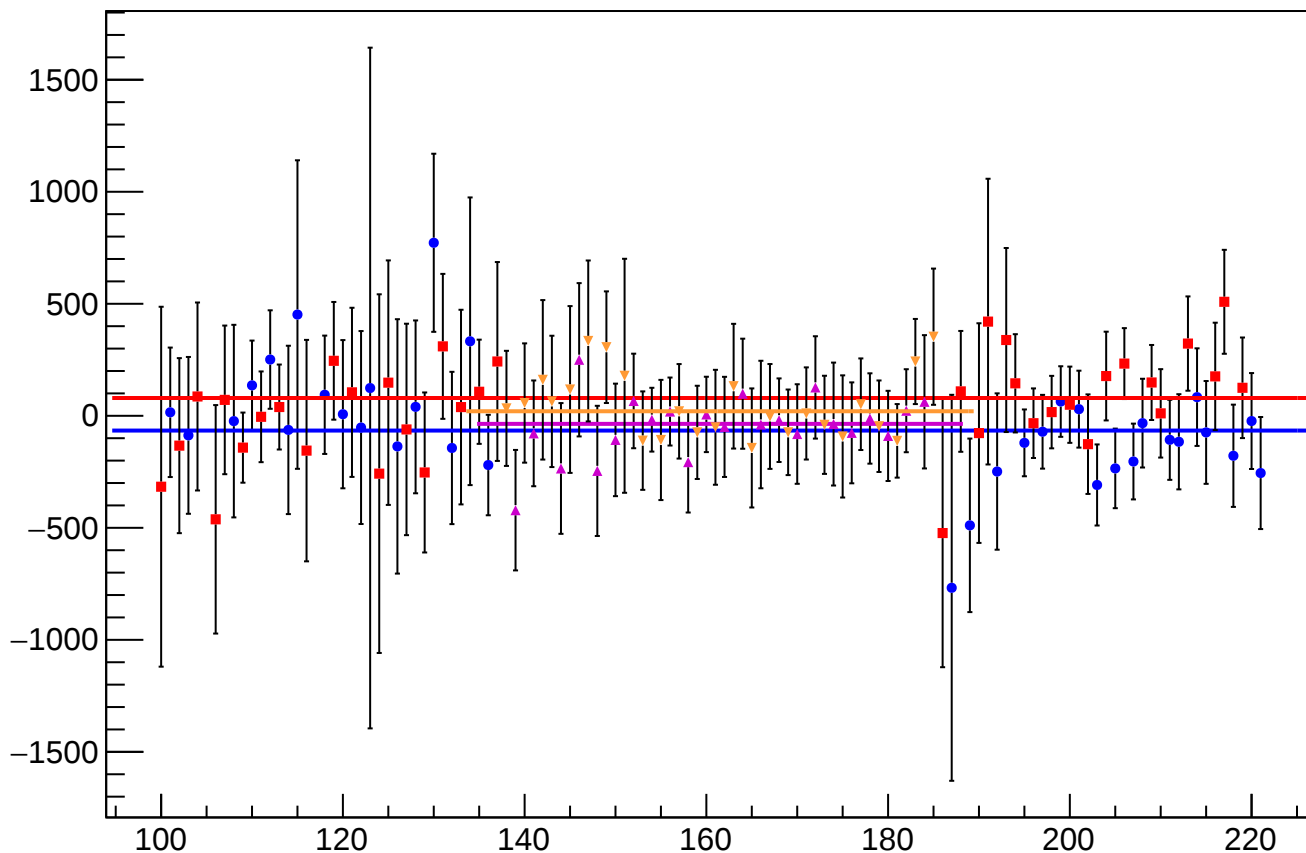
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.445 $\pm$ 0.003 χ^2 /NDF: 52228.1/59

All: 22.450 $\pm$ 0.002 χ^2 /NDF: 107268.8/119

- sign 22.454 $\pm$ 0.003 χ^2 /NDF: 55034.9/59

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -65.870 ± 40.740 χ^2/NDF : 17.7/34

Left Out: 20.306 ± 48.049 χ^2/NDF : 7.7/24

Right Out: 79.458 ± 41.150 χ^2/NDF : 16.2/36

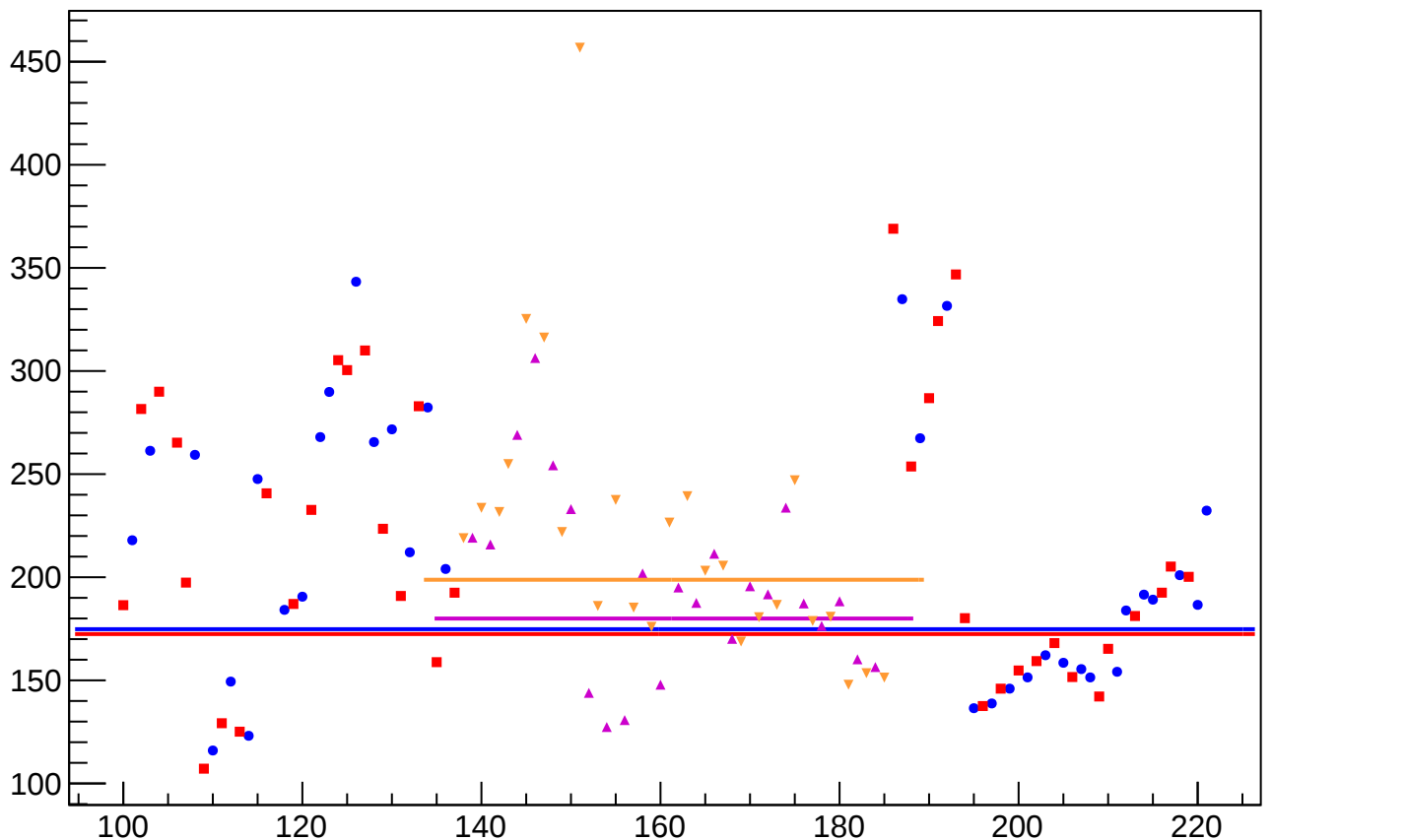
Left In: -35.996 ± 45.180 χ^2/NDF : 6.1/22

+ sign -29.828 ± 31.074 χ^2/NDF : 27.3/59

All: -0.757 ± 21.739 χ^2/NDF : 54.9/119

- sign 27.109 ± 30.423 χ^2/NDF : 25.9/59

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.817+/-0.029 χ^2/NDF : 2324183.0/34

Left Out: 198.784+/-0.034 χ^2/NDF :1758481.8/24

Right Out: 172.453+/-0.029 χ^2/NDF : 2929551.6/36

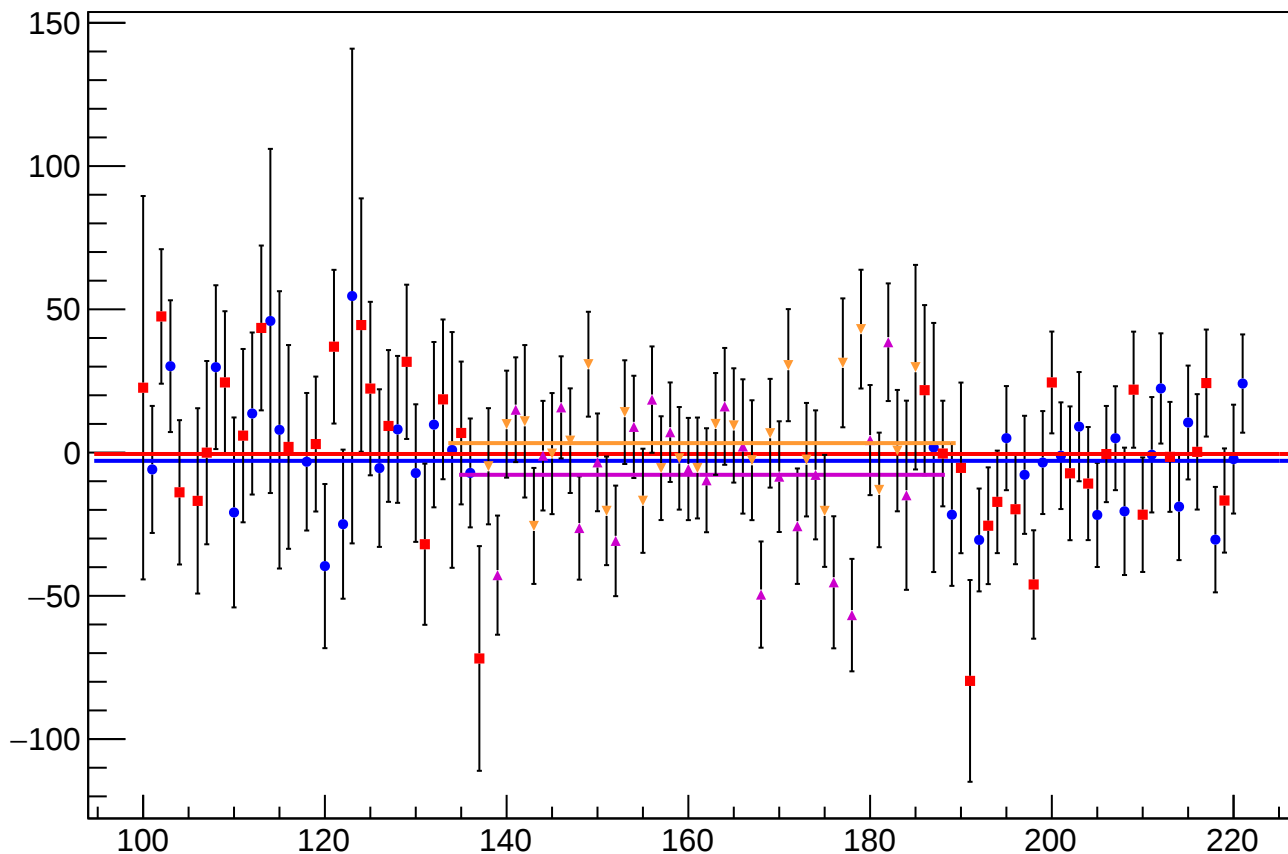
Left In: 179.972+/-0.032 χ^2/NDF :1575888.3/22

+ sign 184.841+/-0.022 χ^2/NDF : 4372164.8/59

All: 180.257+/-0.015 χ^2/NDF : 8993147.0/119

- sign 175.862+/-0.022 χ^2/NDF : 4535722.5/59

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.885 ± 3.810 χ^2/NDF : 21.2/34

Left Out: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: -0.489 ± 3.868 χ^2/NDF : 40.6/36

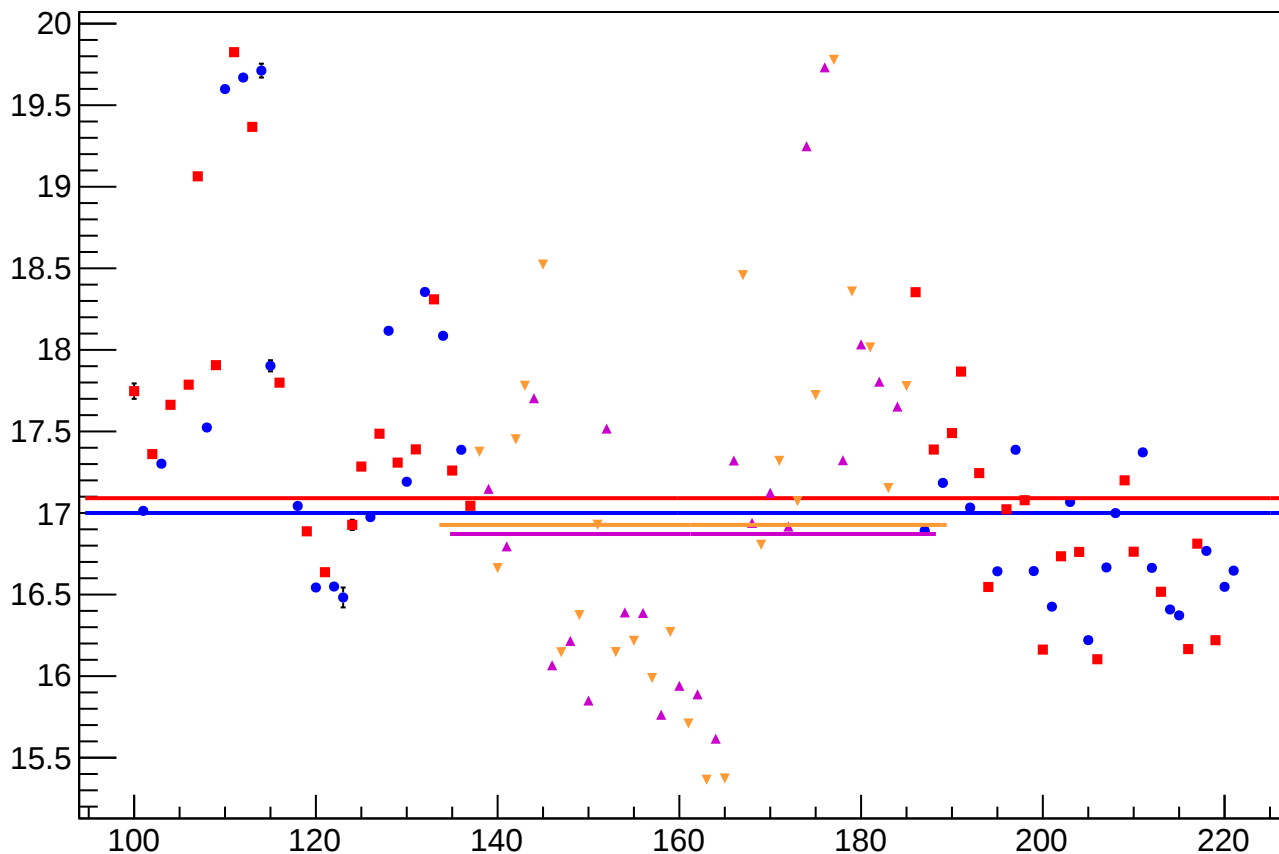
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 0.097 ± 2.744 χ^2/NDF : 41.1/59

All: -1.883 ± 1.960 χ^2/NDF : 118.7/119

- sign -3.946 ± 2.801 χ^2/NDF : 76.5/59

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.000 $\pm$ 0.003 χ^2 /NDF: 63927.7/34

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.091 $\pm$ 0.003 χ^2 /NDF: 79880.5/36

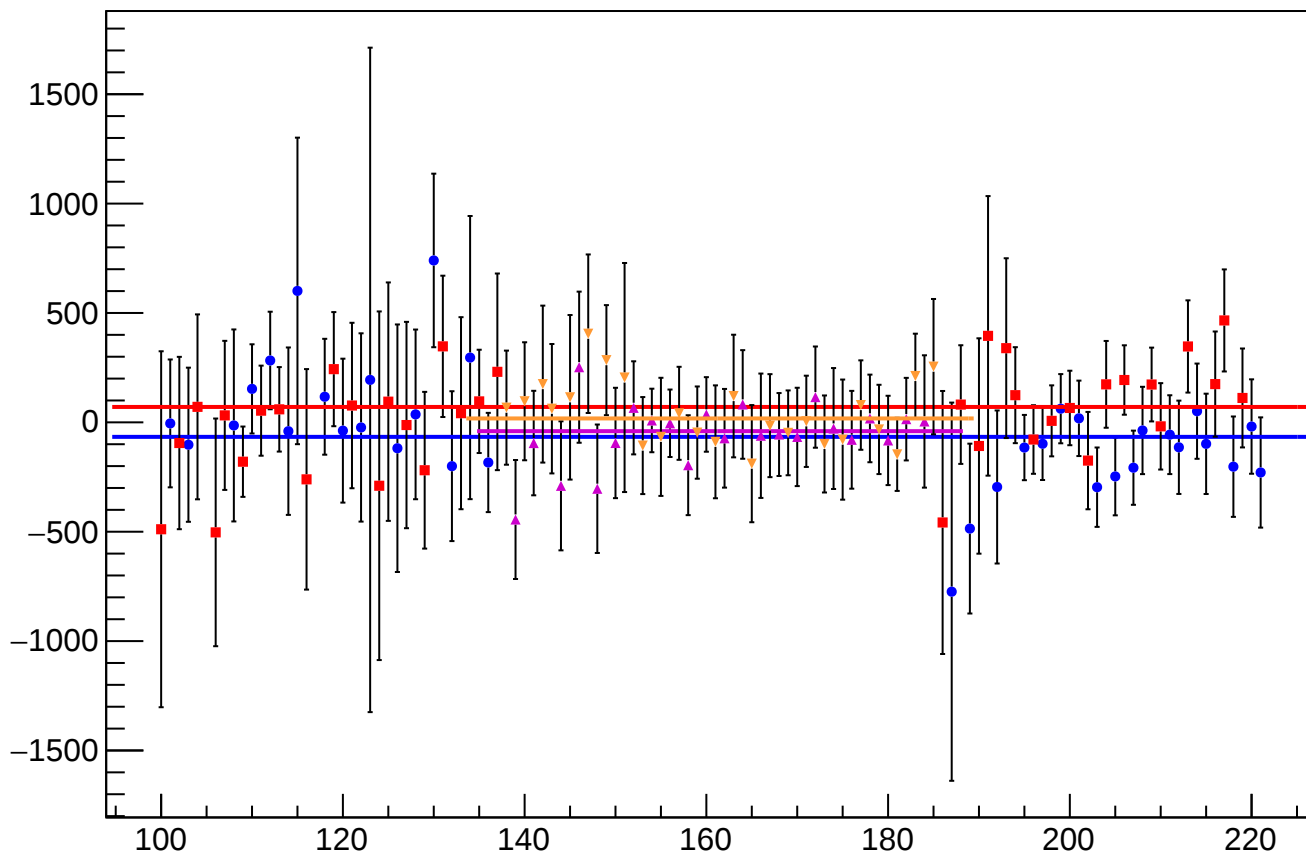
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 16.965 $\pm$ 0.002 χ^2 /NDF: 202813.2/59

All: 16.976 $\pm$ 0.001 χ^2 /NDF: 403814.4/119

- sign 16.986 $\pm$ 0.002 χ^2 /NDF: 200941.8/59

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -66.350 ± 40.964 χ^2/NDF : 17.9/34

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 70.383 ± 41.447 χ^2/NDF : 17.1/36

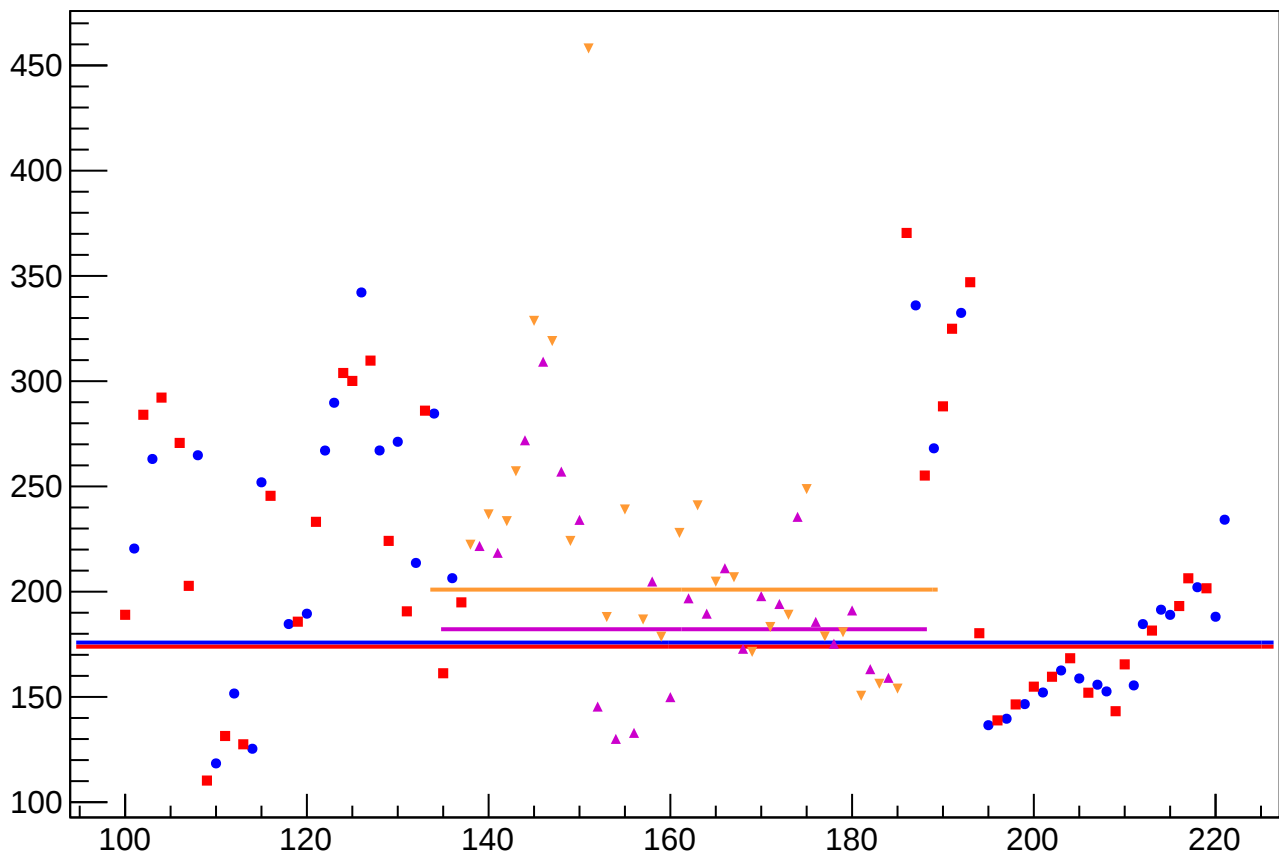
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign -31.341 ± 31.308 χ^2/NDF : 27.1/59

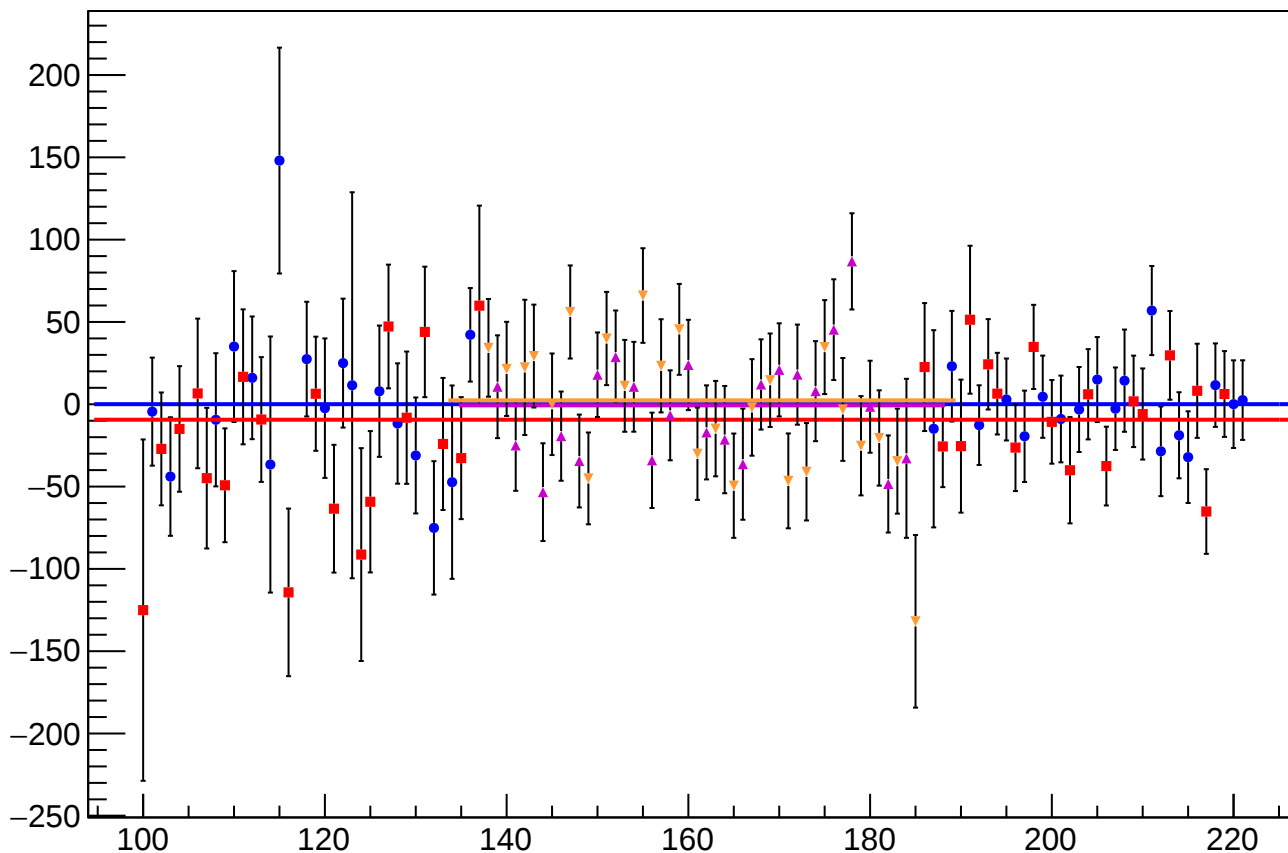
All: -4.966 ± 21.919 χ^2/NDF : 55.5/119

- sign 20.392 ± 30.698 χ^2/NDF : 27.0/59

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.053 ± 5.352 $\chi^2/\text{NDF}: 25.1/34$

Left Out: 2.390 ± 5.980 $\chi^2/\text{NDF}: 39.1/24$

Right Out: -9.382 ± 5.413 $\chi^2/\text{NDF}: 38.1/36$

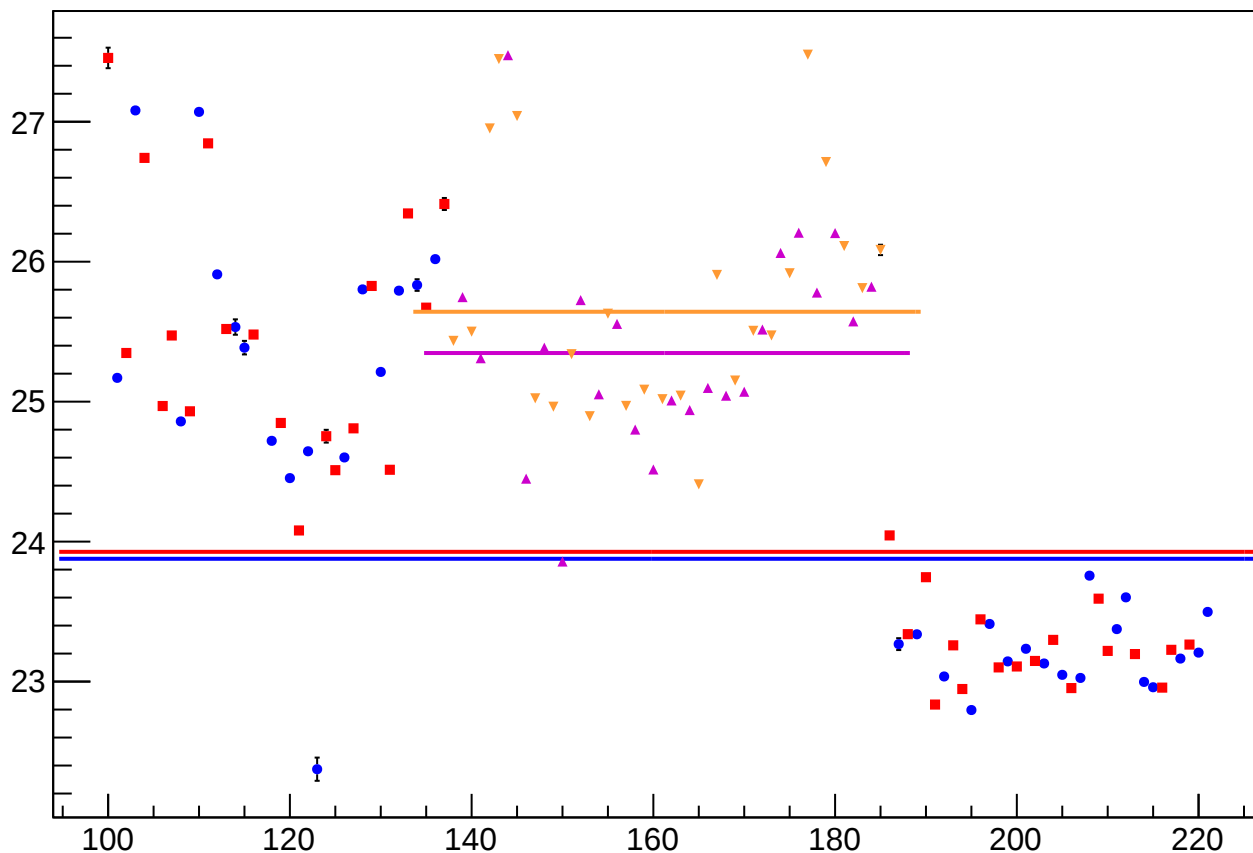
Left In: -0.641 ± 6.091 $\chi^2/\text{NDF}: 27.3/22$

+ sign 1.092 ± 3.988 $\chi^2/\text{NDF}: 64.3/59$

All: -2.169 ± 2.840 $\chi^2/\text{NDF}: 132.2/119$

- sign -5.525 ± 4.046 $\chi^2/\text{NDF}: 66.5/59$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 23.877 ± 0.004 χ^2/NDF : 92536.5/34

Left Out: 25.642 ± 0.004 χ^2/NDF : 34802.2/24

Right Out: 23.927 ± 0.004 χ^2/NDF : 85905.9/36

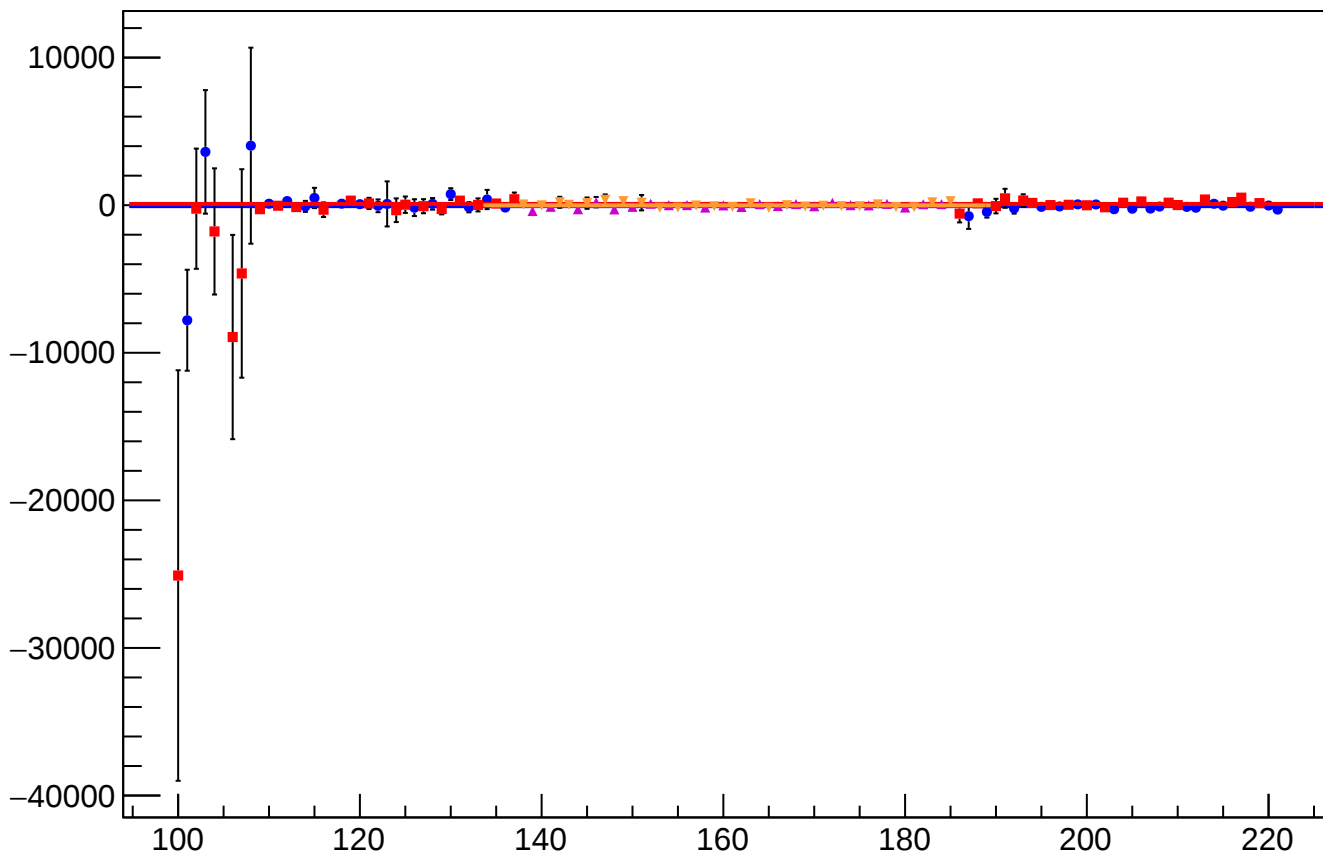
Left In: 25.347 ± 0.004 χ^2/NDF : 29389.5/22

+ sign 24.662 ± 0.003 χ^2/NDF : 224084.2/59

All: 24.609 ± 0.002 χ^2/NDF : 400881.9/119

- sign 24.554 ± 0.003 χ^2/NDF : 176067.3/59

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -64.721 ± 42.631 χ^2/NDF : 23.2/34

Left Out: -11.432 ± 48.263 χ^2/NDF : 8.0/24

Right Out: 85.352 ± 43.780 χ^2/NDF : 24.5/36

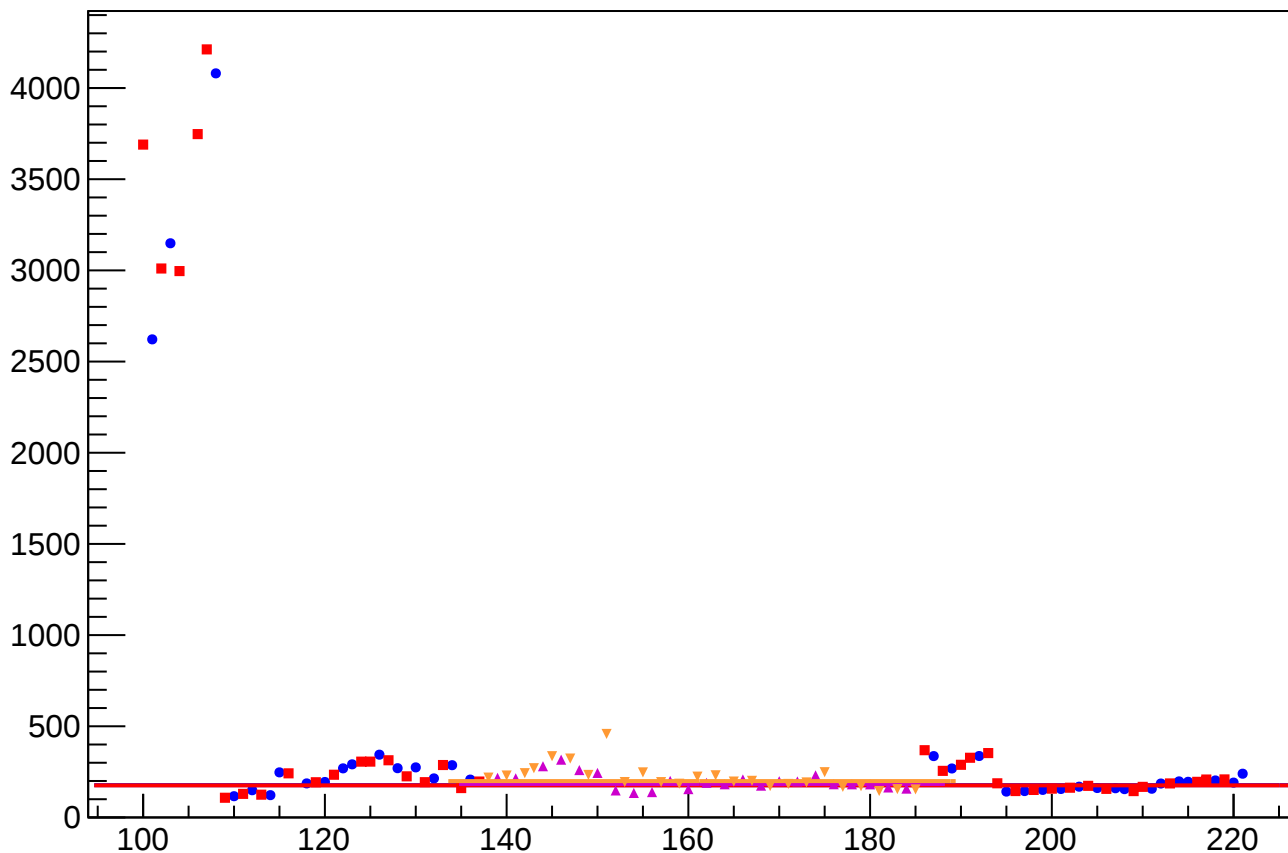
Left In: -27.098 ± 45.999 χ^2/NDF : 7.2/22

+ sign -41.366 ± 31.951 χ^2/NDF : 31.9/59

All: -4.456 ± 22.508 χ^2/NDF : 69.3/119

- sign 31.904 ± 31.712 χ^2/NDF : 34.8/59

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 177.088 $\pm$ 0.030 χ^2 /NDF: 4734011.5/34

Left Out: 199.438 $\pm$ 0.034 χ^2 /NDF:1877848.7/24

Right Out: 175.933 $\pm$ 0.031 χ^2 /NDF: 5500992.1/36

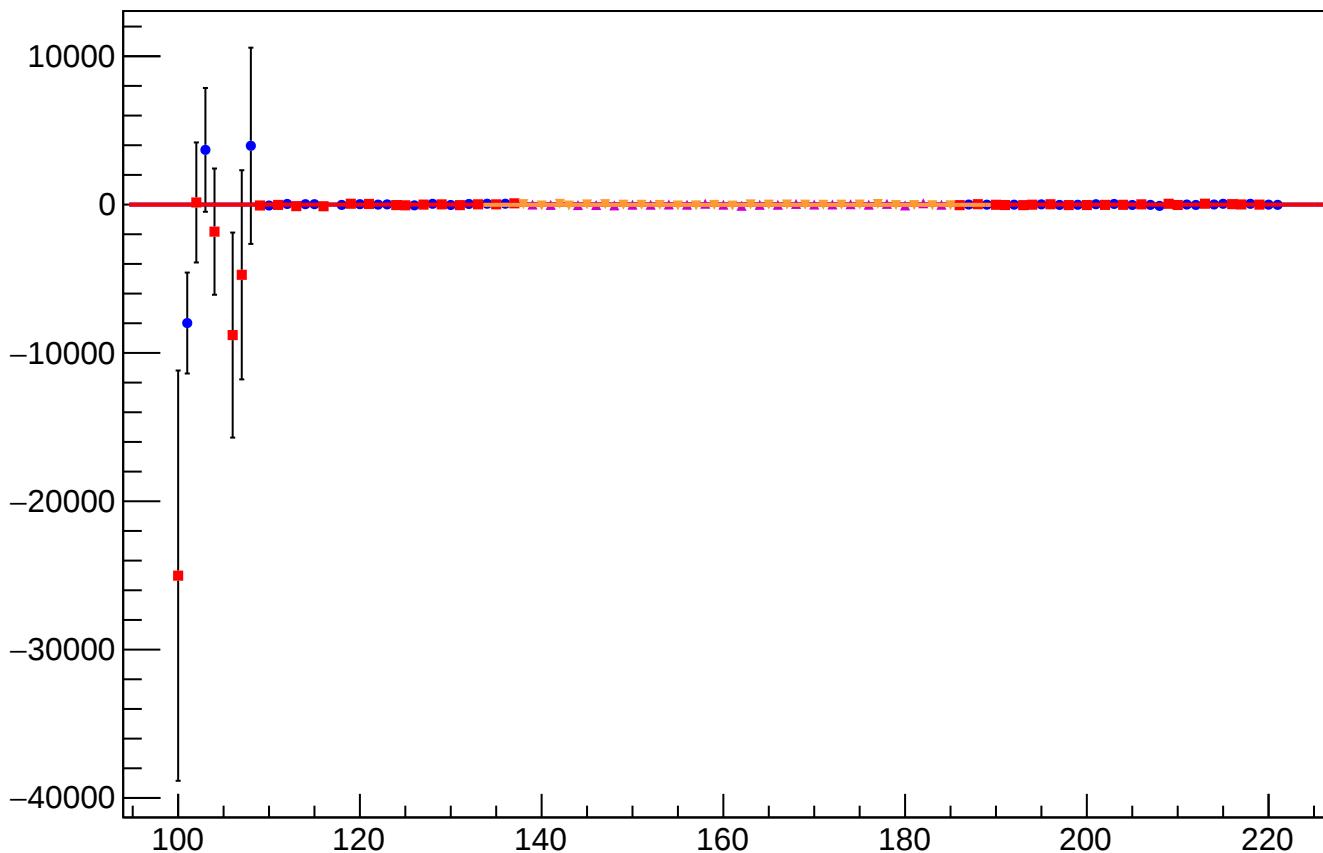
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF:1412869.6/22

+ sign 186.884 $\pm$ 0.023 χ^2 /NDF: 6852780.1/59

All: 183.252 $\pm$ 0.016 χ^2 /NDF: 13848663.5/13

- sign 179.675 $\pm$ 0.022 χ^2 /NDF: 6944595.0/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.301 ± 6.426 χ^2/NDF : 35.8/34

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: -3.403 ± 6.590 χ^2/NDF : 39.3/36

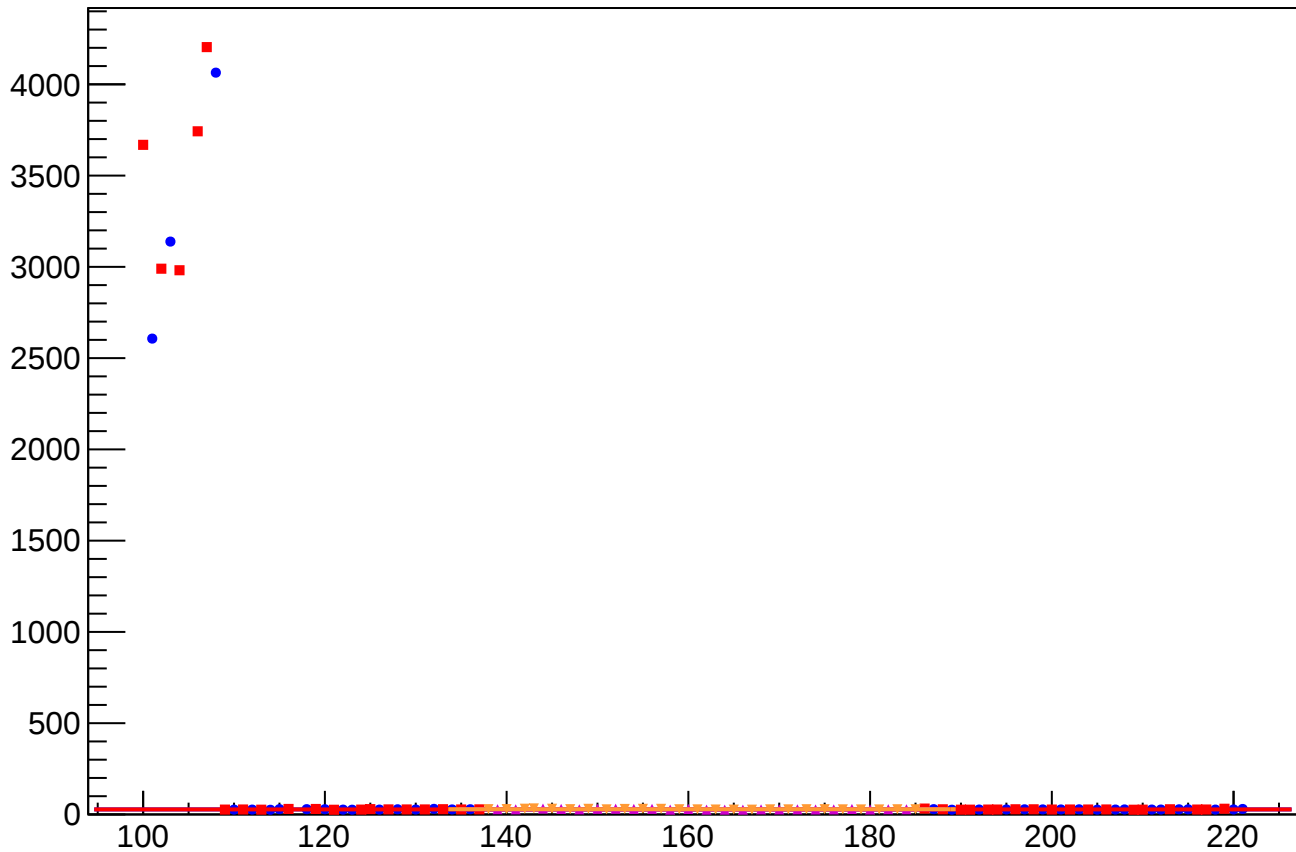
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -7.476 ± 4.639 χ^2/NDF : 62.4/59

All: -5.001 ± 3.325 χ^2/NDF : 134.4/119

- sign -2.385 ± 4.768 χ^2/NDF : 71.4/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.569 $\pm$ 0.005 χ^2 /NDF: 3059359.7/34

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.564 $\pm$ 0.005 χ^2 /NDF: 3537749.1/36

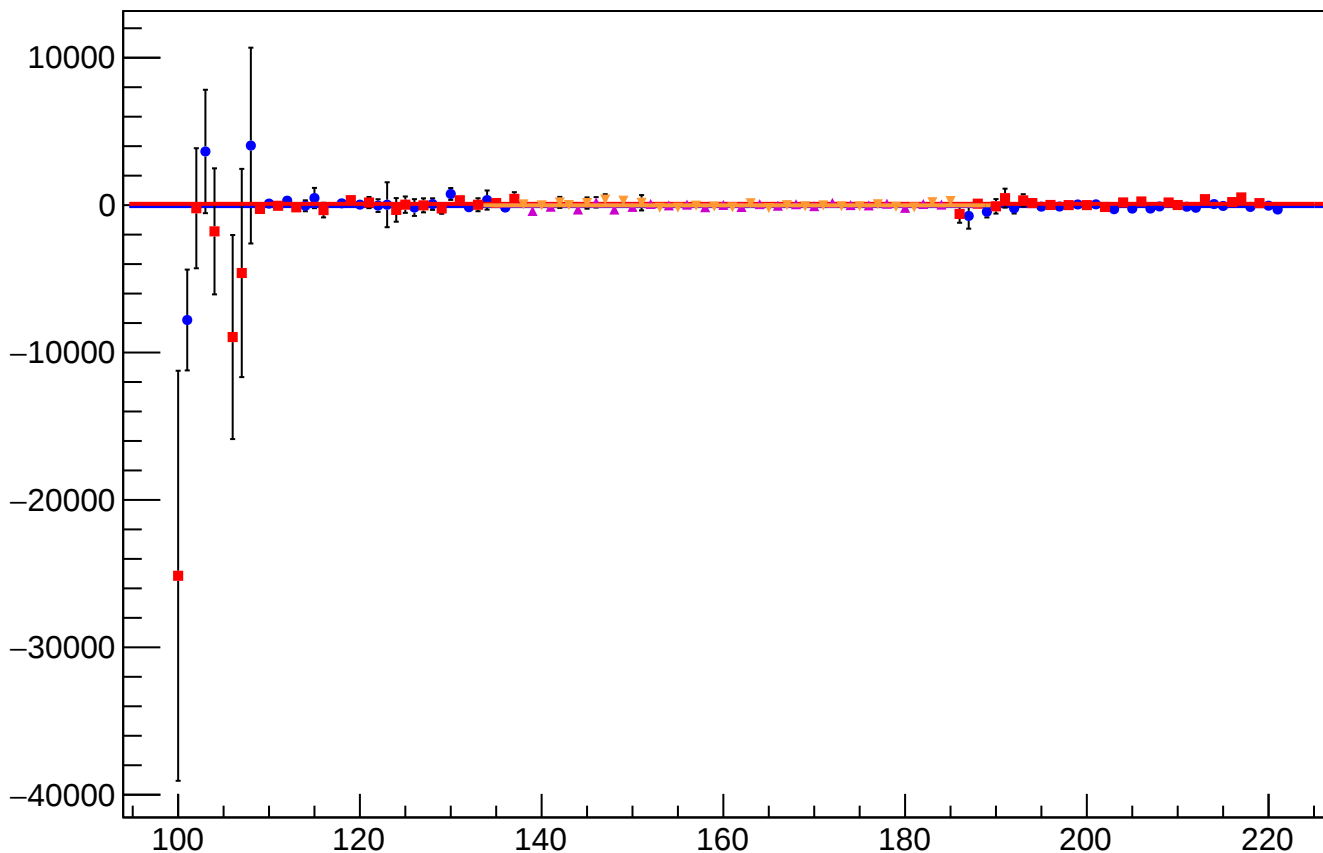
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.107 $\pm$ 0.003 χ^2 /NDF: 3199187.8/59

All: 28.101 $\pm$ 0.002 χ^2 /NDF: 6887927.8/119

- sign 28.094 $\pm$ 0.003 χ^2 /NDF: 3688732.2/59

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -66.503 $\pm$ 42.501 χ^2 /NDF: 23.4/34

Left Out: -13.878 $\pm$ 48.155 χ^2 /NDF: 8.8/24

Right Out: 87.682 $\pm$ 43.653 χ^2 /NDF: 25.5/36

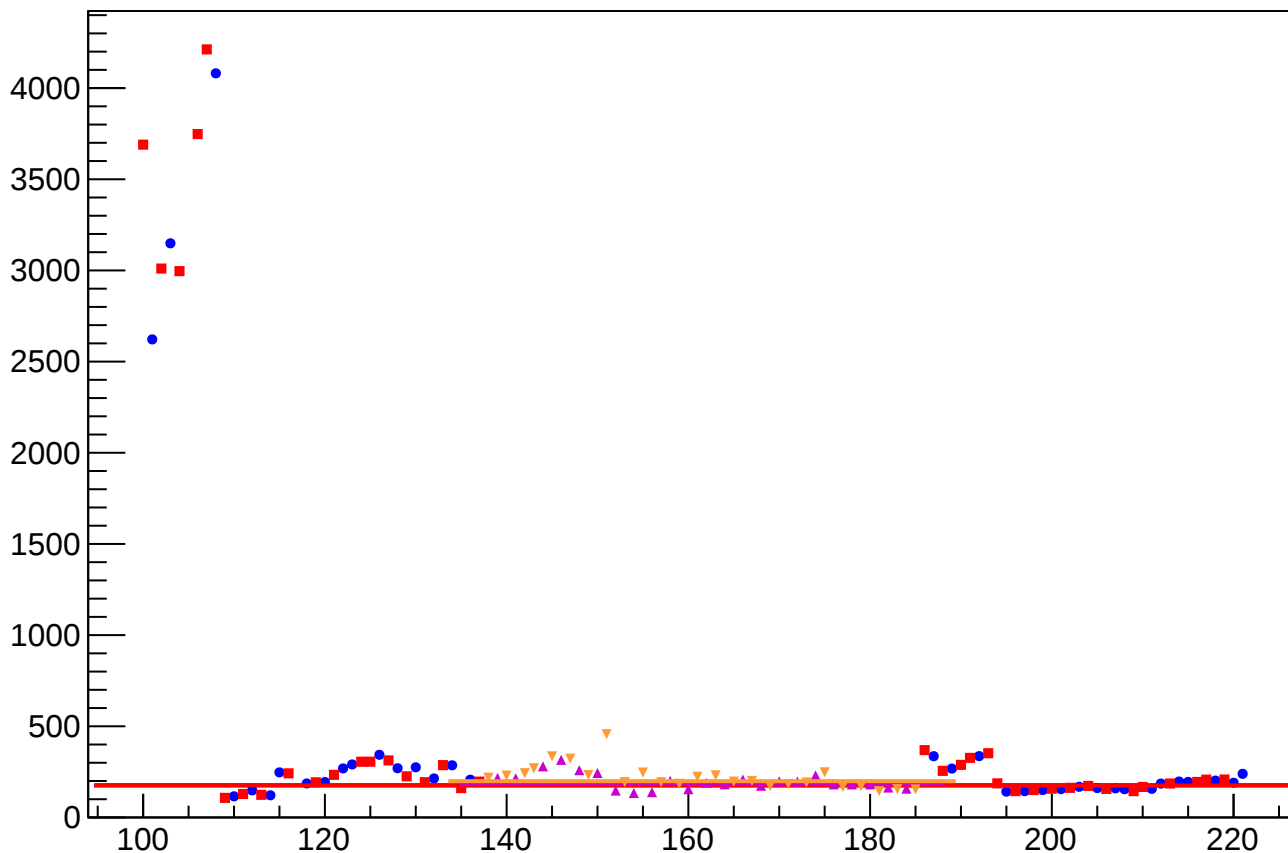
Left In: -27.286 $\pm$ 45.907 χ^2 /NDF: 7.5/22

+ sign -43.460 $\pm$ 31.865 χ^2 /NDF: 32.9/59

All: -4.907 $\pm$ 22.450 χ^2 /NDF: 72.1/119

- sign 33.090 $\pm$ 31.634 χ^2 /NDF: 36.3/59

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 176.511 $\pm$ 0.030 χ^2 /NDF: 4747812.9/34

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF: 1877636.0/24

Right Out: 175.376 $\pm$ 0.031 χ^2 /NDF: 5519132.3/36

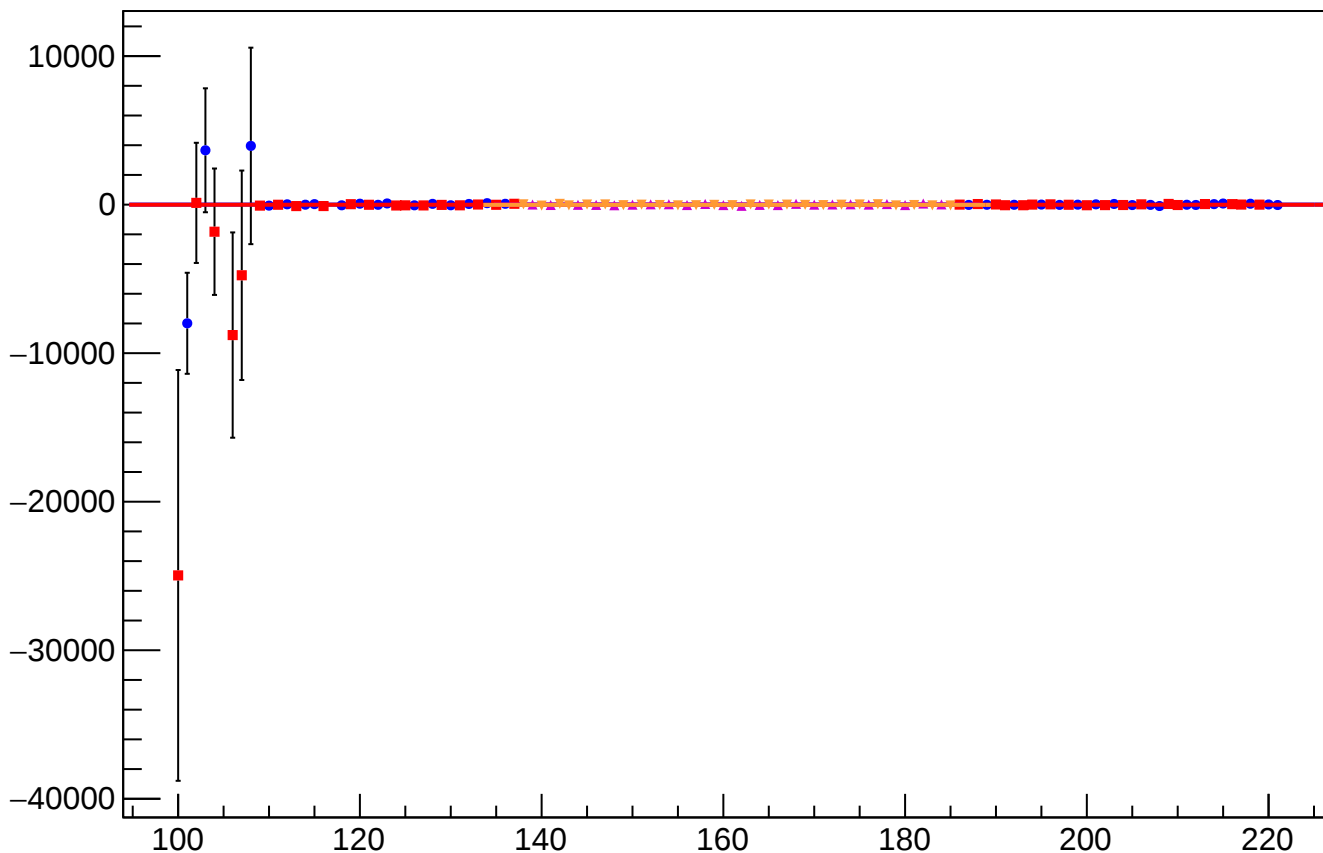
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 186.357 $\pm$ 0.023 χ^2 /NDF: 6870567.6/59

All: 182.755 $\pm$ 0.016 χ^2 /NDF: 13885184.2/11

- sign 179.206 $\pm$ 0.022 χ^2 /NDF: 6963892.3/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 3.896+/-6.382 χ^2/NDF : 45.8/34

Left Out: -15.829+/-6.733 χ^2/NDF :16.5/24

Right Out: -6.393+/-6.554 χ^2/NDF : 34.5/36

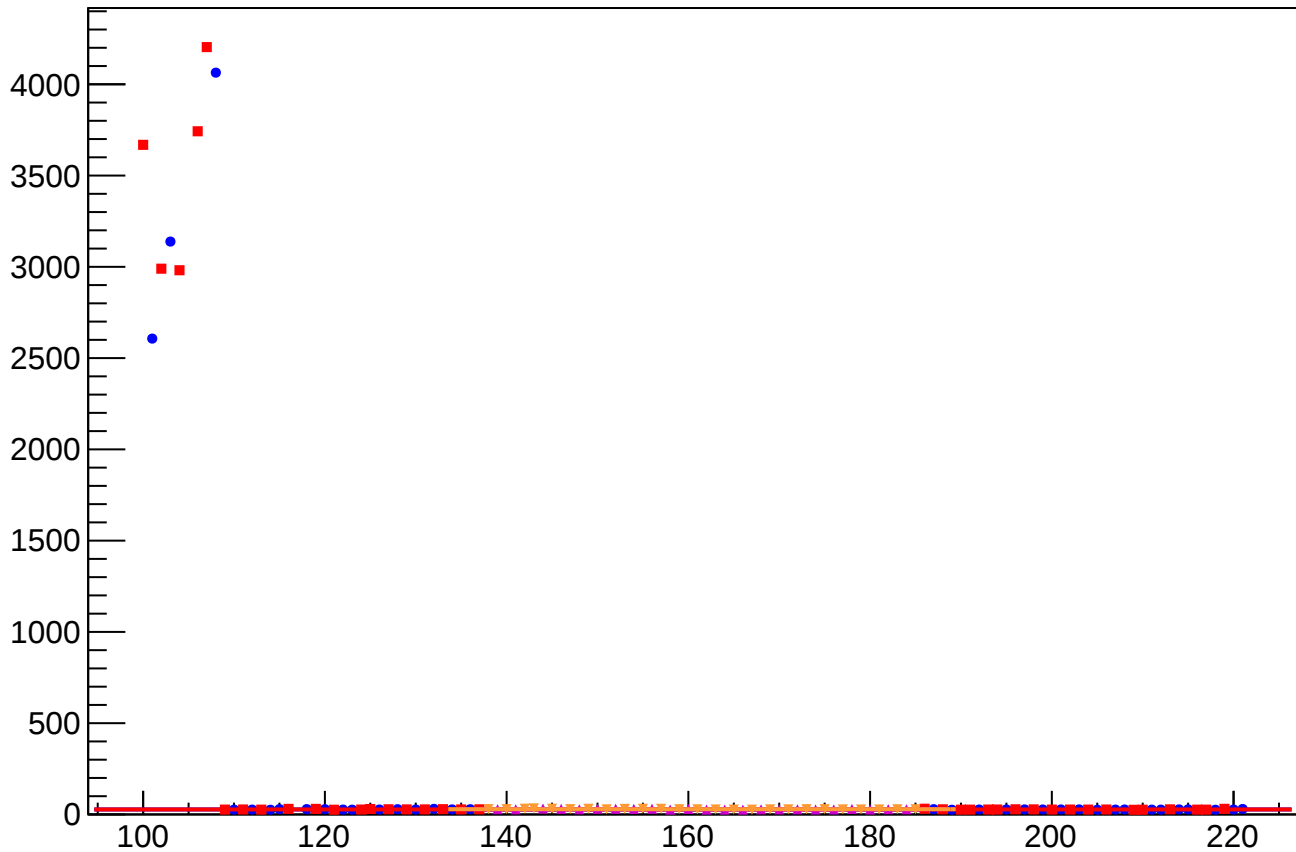
Left In: 0.498+/-6.937 χ^2/NDF :26.1/22

+ sign -5.438+/-4.632 χ^2/NDF : 66.8/59

All: -4.323+/-3.321 χ^2/NDF : 128.1/119

- sign -3.143+/-4.764 χ^2/NDF : 61.1/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.375 $\pm$ 0.005 χ^2 /NDF: 3070587.9/34

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.412 $\pm$ 0.005 χ^2 /NDF: 3541232.8/36

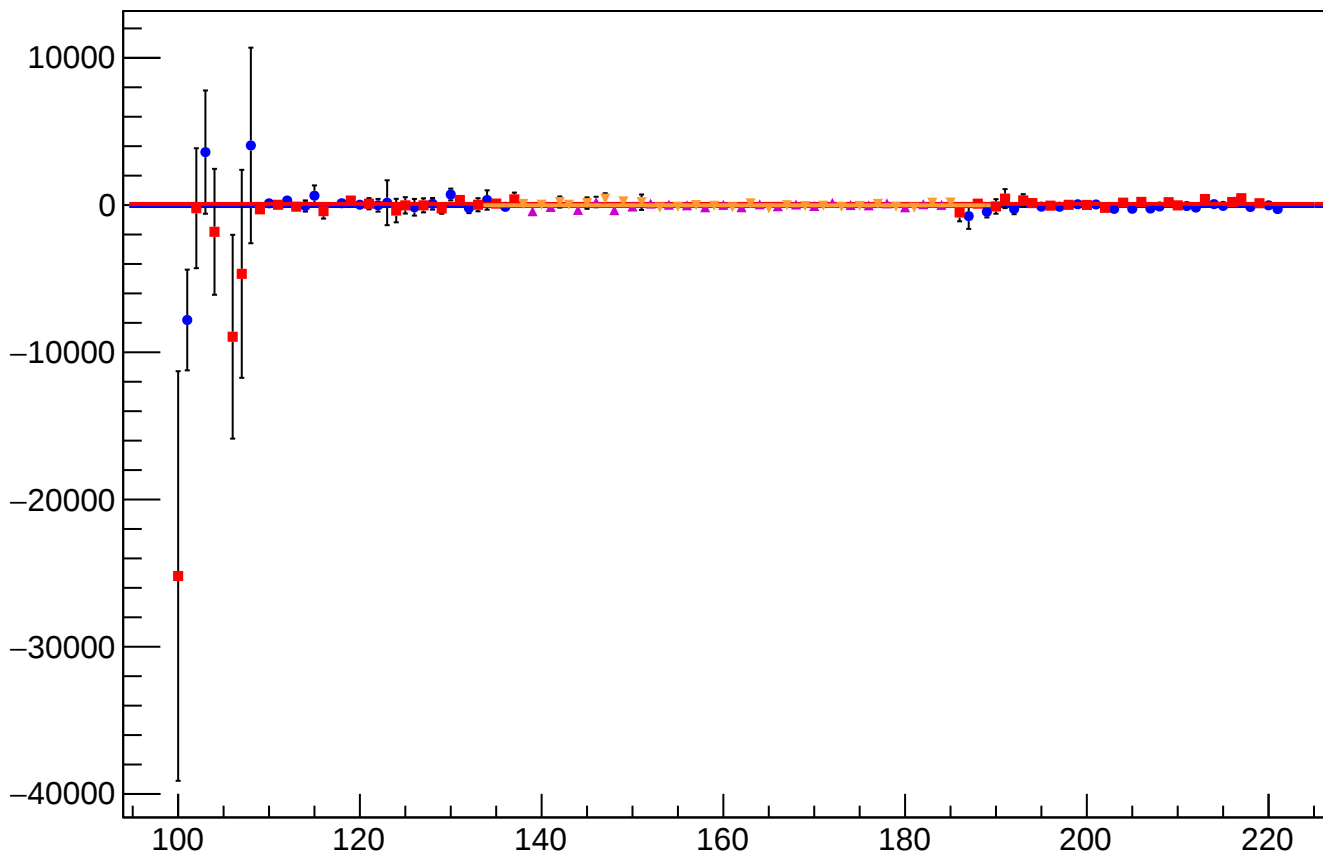
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.056 $\pm$ 0.003 χ^2 /NDF: 3240868.5/59

All: 28.061 $\pm$ 0.002 χ^2 /NDF: 6952525.4/119

- sign 28.065 $\pm$ 0.003 χ^2 /NDF: 3711653.0/59

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -64.298 ± 42.790 χ^2/NDF : 23.4/34

Left Out: -13.966 ± 48.735 χ^2/NDF : 8.1/24

Right Out: 78.947 ± 43.969 χ^2/NDF : 24.3/36

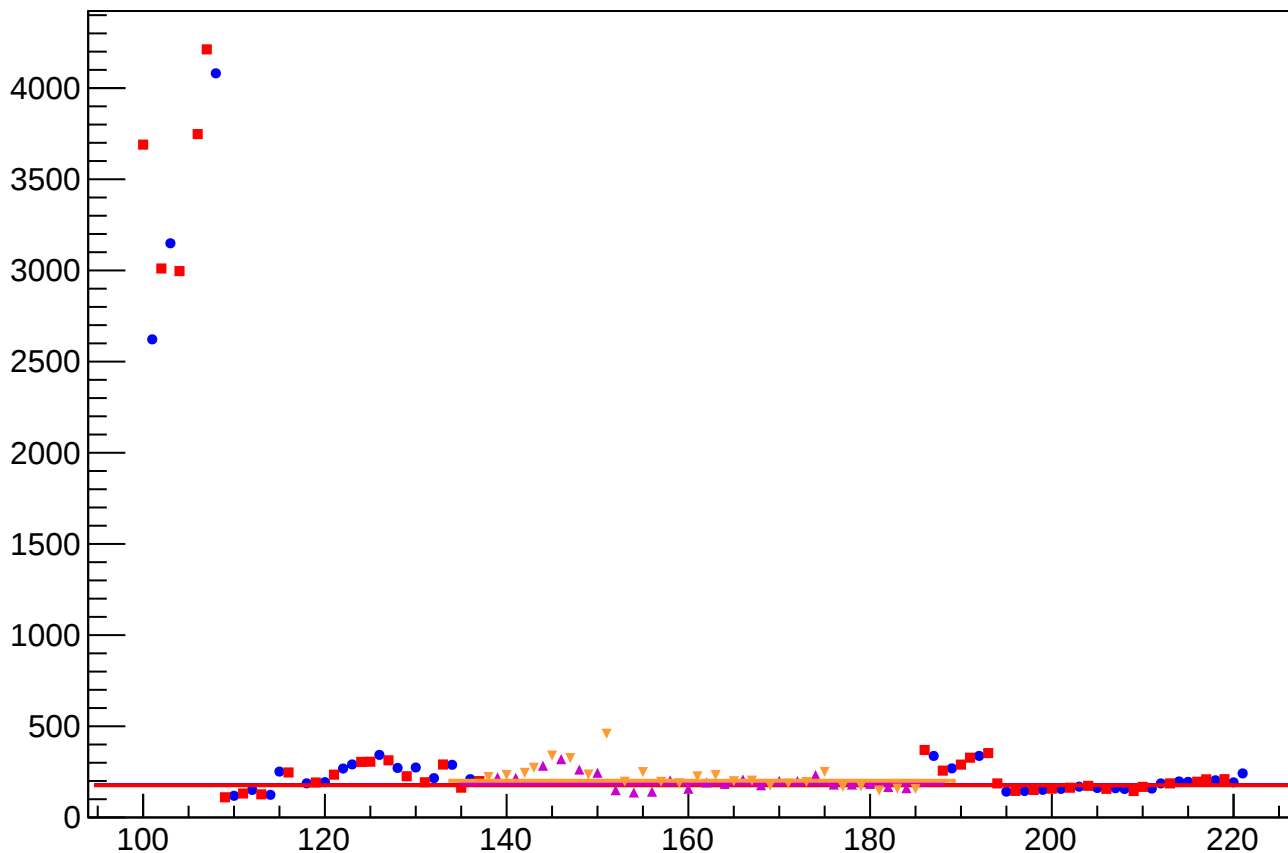
Left In: -31.477 ± 46.483 χ^2/NDF : 7.8/22

+ sign -42.388 ± 32.155 χ^2/NDF : 32.1/59

All: -7.564 ± 22.662 χ^2/NDF : 69.6/119

- sign 26.801 ± 31.943 χ^2/NDF : 35.1/59

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 177.799 $\pm$ 0.030 χ^2 /NDF: 4715225.6/34

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF:1854905.1/24

Right Out: 176.827 $\pm$ 0.031 χ^2 /NDF: 5459015.1/36

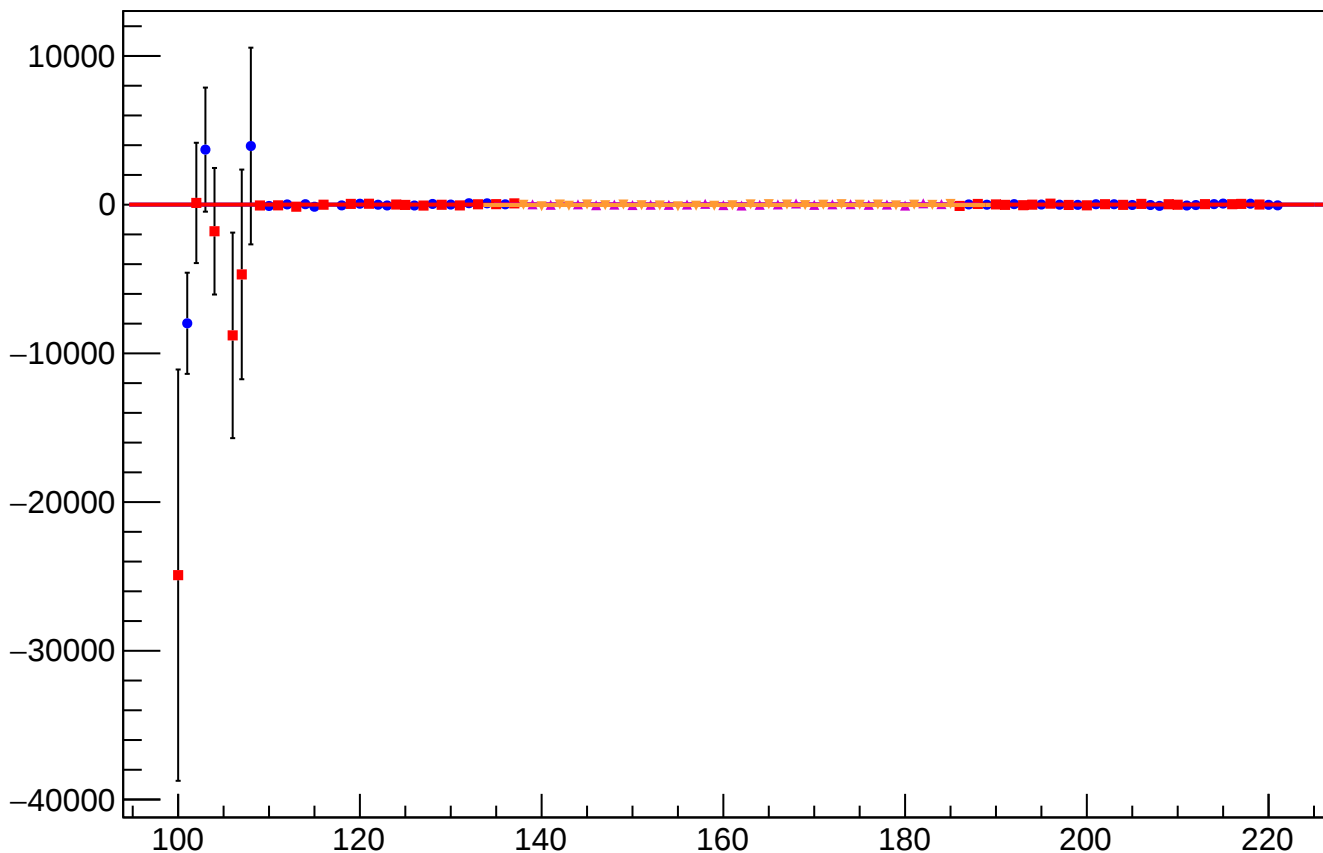
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF:1380877.6/22

+ sign 188.118 $\pm$ 0.023 χ^2 /NDF: 6837293.7/59

All: 184.586 $\pm$ 0.016 χ^2 /NDF: 13765133.9/136

- sign 181.102 $\pm$ 0.023 χ^2 /NDF: 6879913.4/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 2.795 $\pm$ 7.767 χ^2 /NDF: 38.8/34

Left Out: -24.144 $\pm$ 8.076 χ^2 /NDF:24.9/24

Right Out: 6.441 $\pm$ 7.983 χ^2 /NDF: 37.9/36

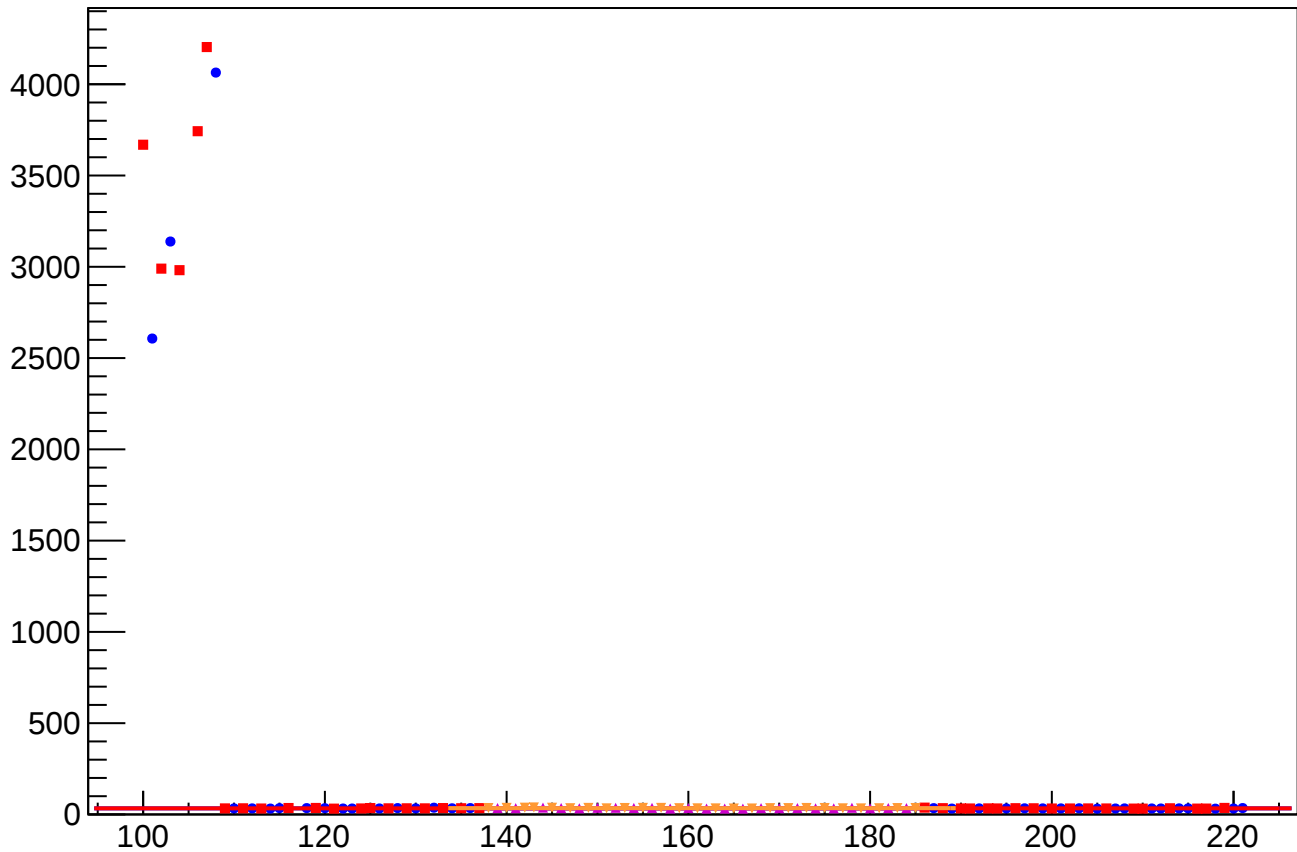
Left In: 5.924 $\pm$ 8.340 χ^2 /NDF:21.0/22

+ sign -10.150 $\pm$ 5.598 χ^2 /NDF: 69.4/59

All: -2.220 $\pm$ 4.017 χ^2 /NDF: 132.5/119

- sign 6.194 $\pm$ 5.767 χ^2 /NDF: 58.9/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.347 $\pm$ 0.005 χ^2 /NDF: 3029467.1/34

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.442 $\pm$ 0.006 χ^2 /NDF: 3485496.4/36

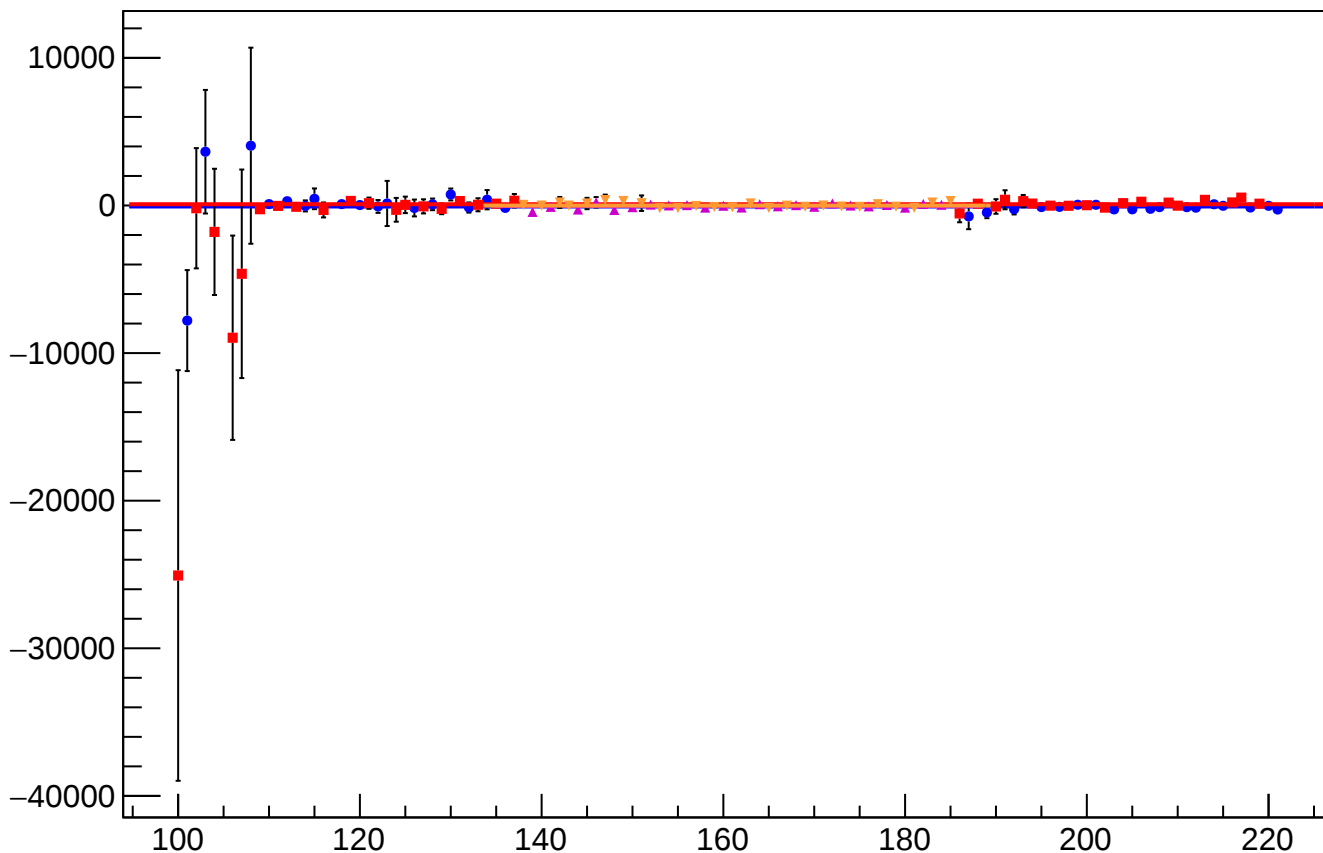
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 33.957 $\pm$ 0.004 χ^2 /NDF: 3113056.2/59

All: 33.995 $\pm$ 0.003 χ^2 /NDF: 6681653.8/119

- sign 34.035 $\pm$ 0.004 χ^2 /NDF: 3568413.3/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -68.009 $\pm$ 42.671 χ^2 /NDF: 23.1/34

Left Out: -7.558 $\pm$ 48.662 χ^2 /NDF: 8.8/24

Right Out: 84.807 $\pm$ 43.812 χ^2 /NDF: 23.6/36

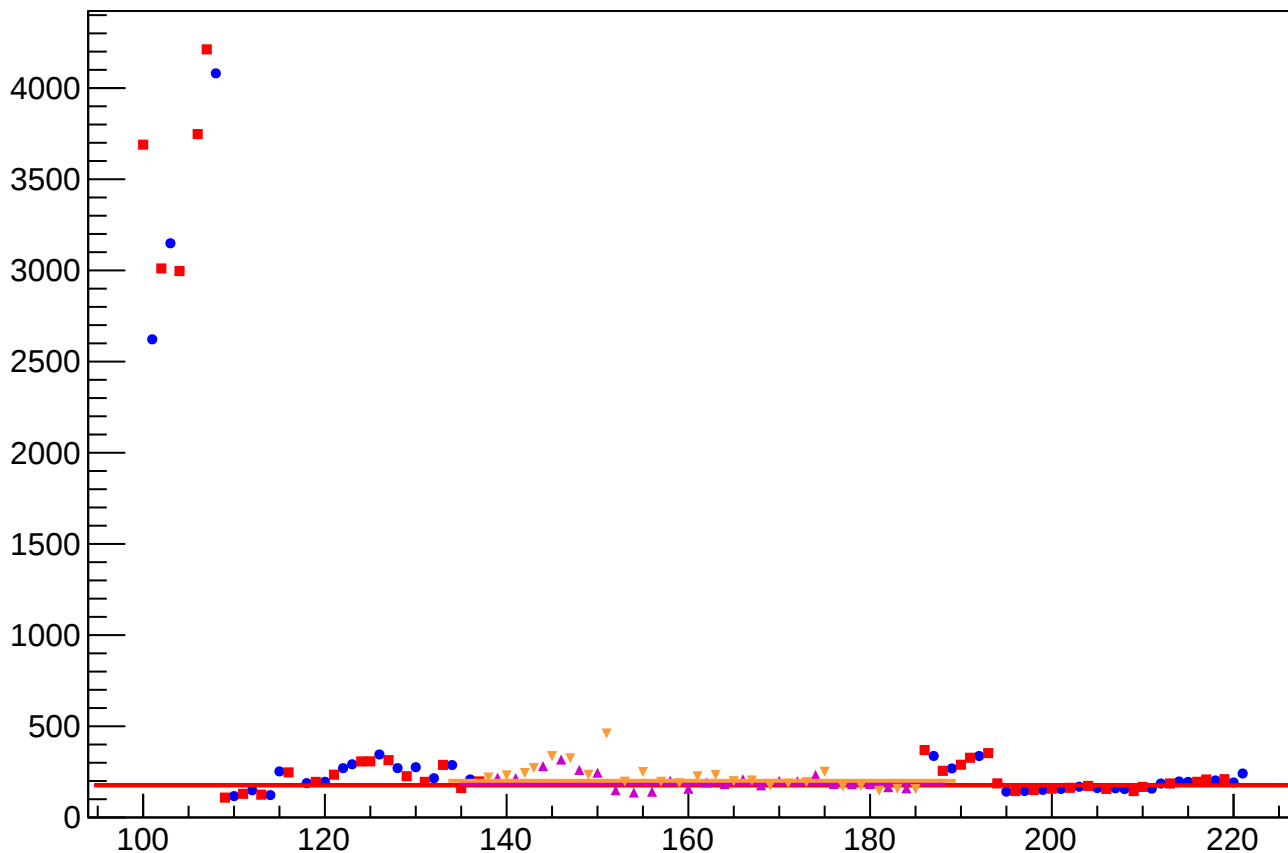
Left In: -34.977 $\pm$ 46.421 χ^2 /NDF: 7.1/22

+ sign -41.732 $\pm$ 32.083 χ^2 /NDF: 32.7/59

All: -6.436 $\pm$ 22.608 χ^2 /NDF: 69.4/119

- sign 28.375 $\pm$ 31.862 χ^2 /NDF: 34.2/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 177.229 $\pm$ 0.030 χ^2 /NDF: 4745967.7/34

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF:1848437.4/24

Right Out: 176.053 $\pm$ 0.031 χ^2 /NDF: 5508919.1/36

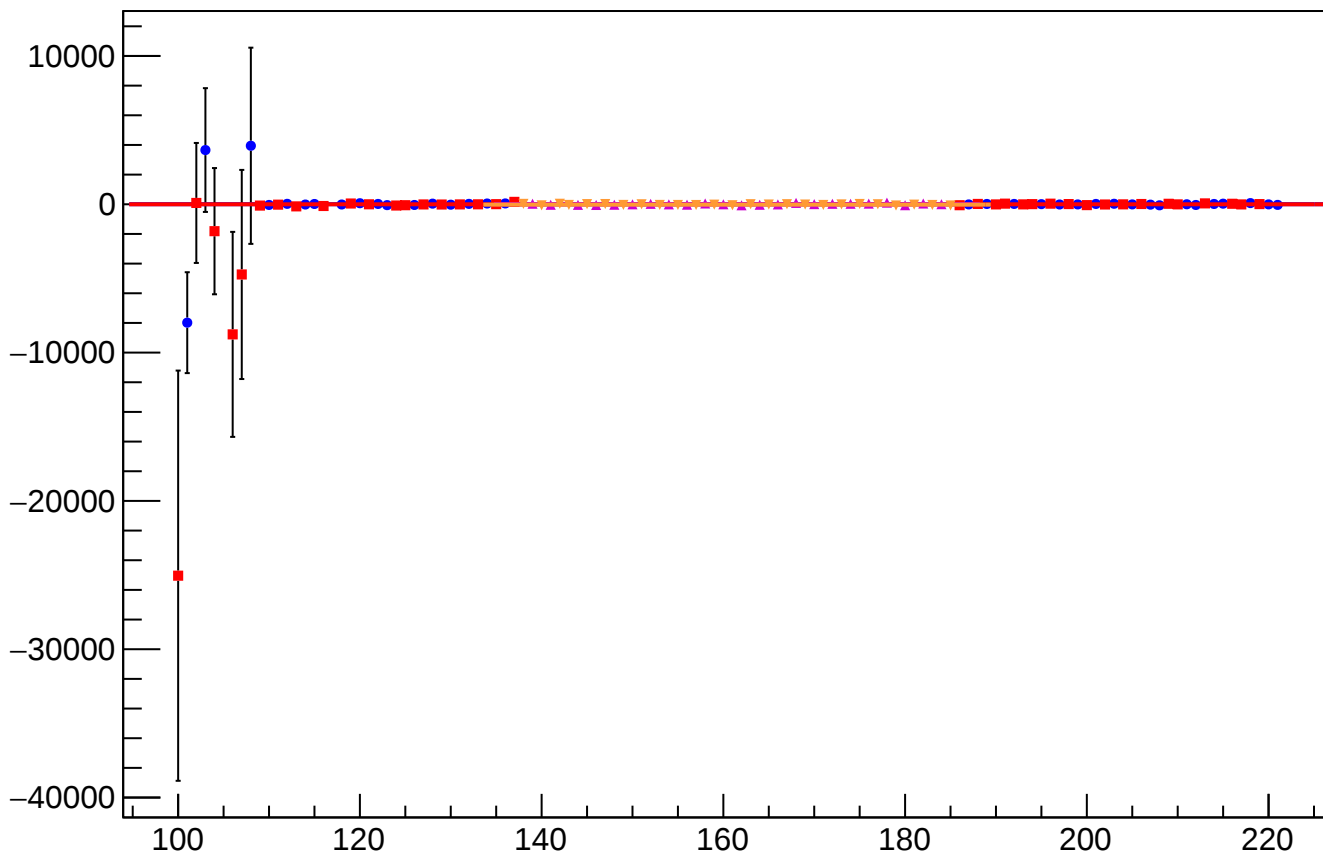
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF:1371411.2/22

+ sign 187.648 $\pm$ 0.023 χ^2 /NDF: 6868730.0/59

All: 184.081 $\pm$ 0.016 χ^2 /NDF: 13843153.5/136

- sign 180.564 $\pm$ 0.023 χ^2 /NDF: 6925329.4/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.896 ± 7.029 χ^2/NDF : 33.2/34

Left Out: -23.320 ± 7.352 χ^2/NDF : 18.3/24

Right Out: -0.531 ± 7.223 χ^2/NDF : 42.7/36

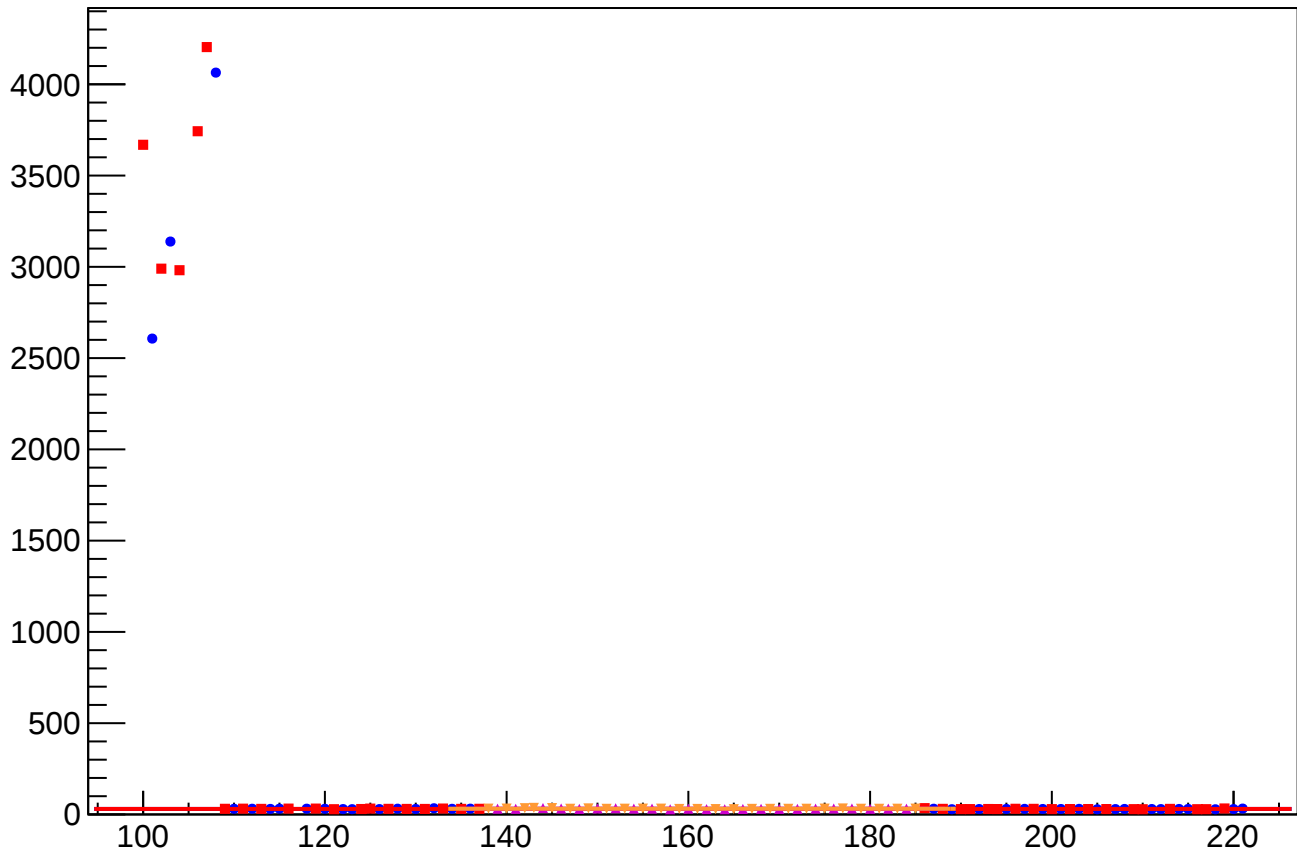
Left In: 6.386 ± 7.577 χ^2/NDF : 38.7/22

+ sign -8.056 ± 5.080 χ^2/NDF : 59.7/59

All: -2.802 ± 3.643 χ^2/NDF : 143.8/119

- sign 2.762 ± 5.228 χ^2/NDF : 81.9/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.163+/-0.005 χ^2/NDF : 3052950.7/34

Left Out: 31.488+/-0.005 χ^2/NDF : 81938.2/24

Right Out: 30.233+/-0.005 χ^2/NDF : 3508498.8/36

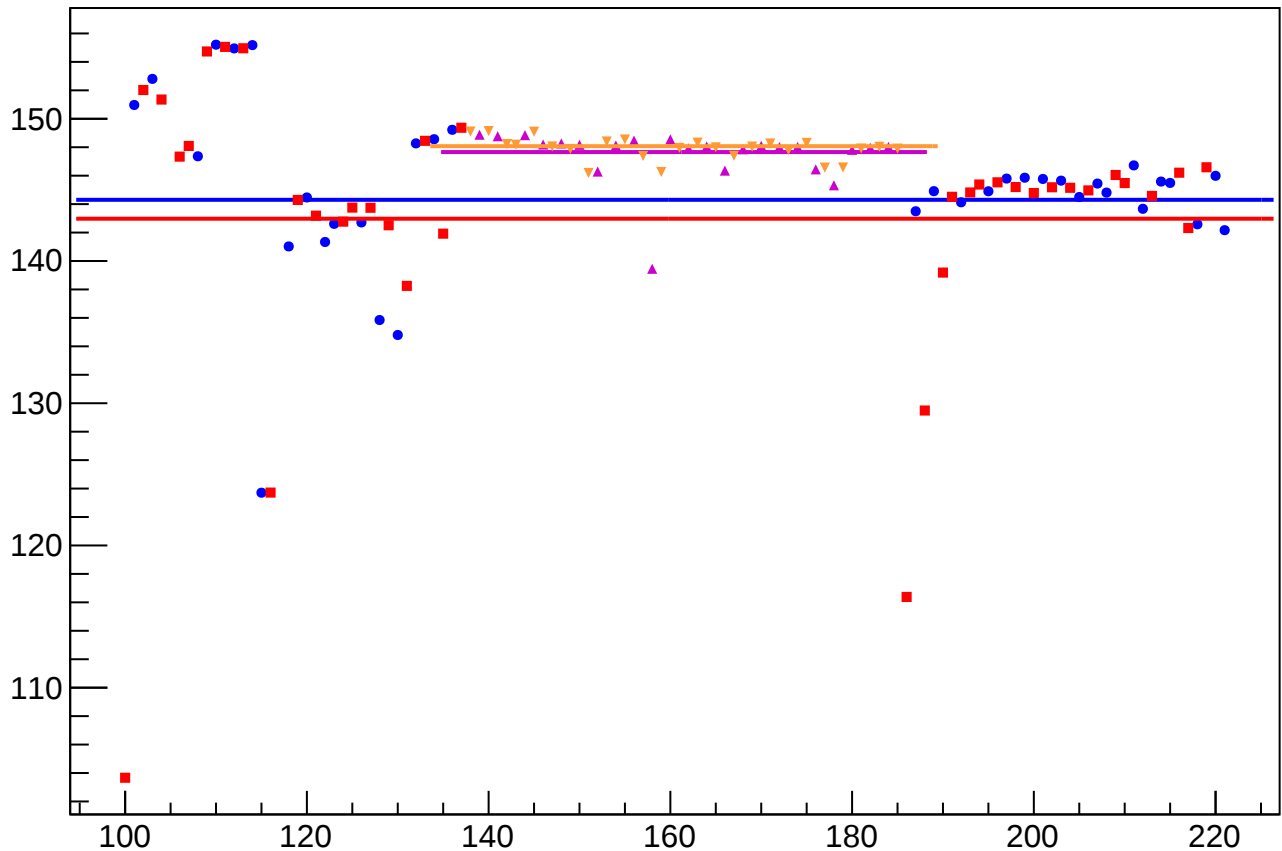
Left In: 31.475+/-0.005 χ^2/NDF : 87797.5/22

+ sign 30.796+/-0.004 χ^2/NDF : 3168863.3/59

All: 30.810+/-0.003 χ^2/NDF : 6793355.4/119

- sign 30.825+/-0.004 χ^2/NDF : 3624461.0/59

yield_bcm_an_ds_mean vs Slug



Right In: 144.303+/-0.000 χ^2/NDF : 3526110385.4/34

Left Out: 148.074+/-0.000 χ^2/NDF : 65673678.9/24

Right Out: 142.975+/-0.000 χ^2/NDF : 7492795511.5/36

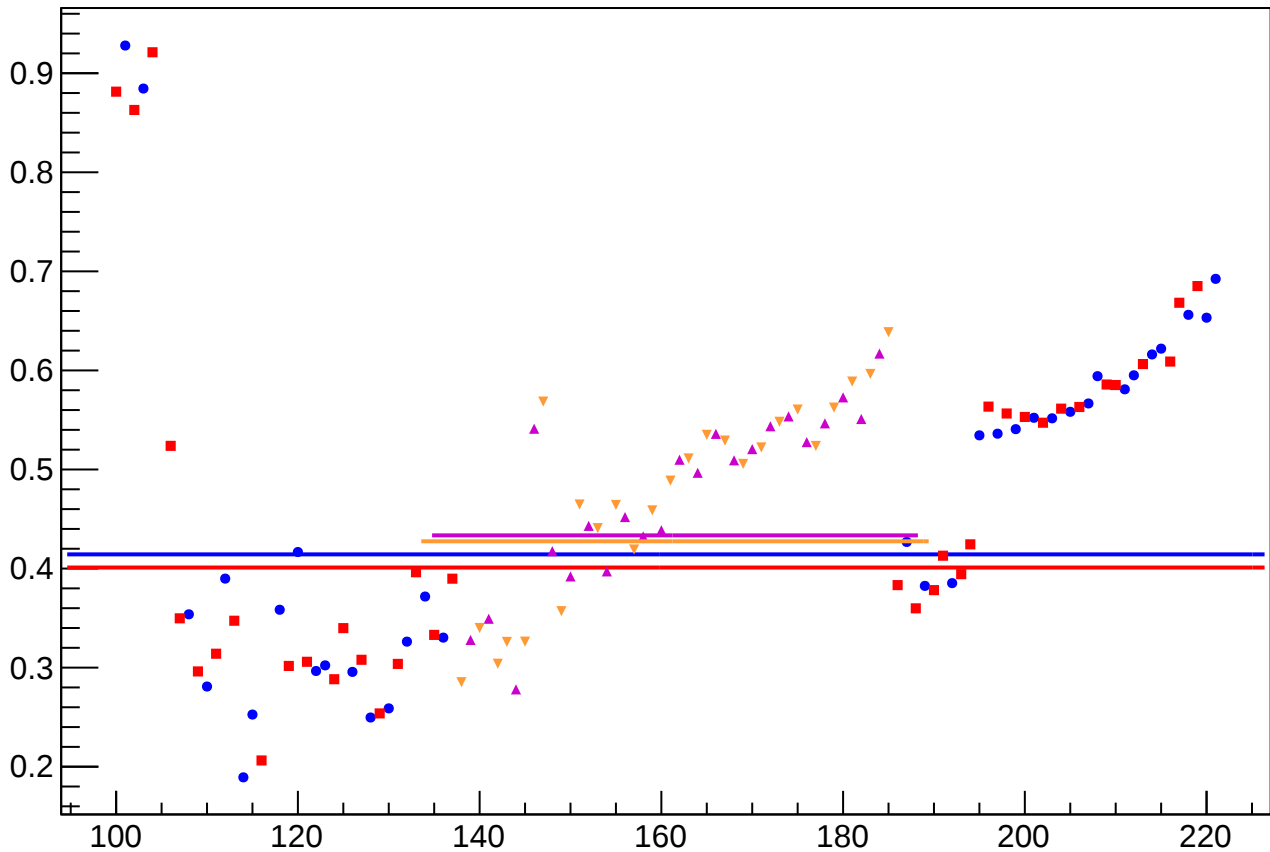
Left In: 147.660+/-0.000 χ^2/NDF : 343892338.9/22

+ sign 146.134+/-0.000 χ^2/NDF : 4269275129.3/59

All: 145.614+/-0.000 χ^2/NDF : 13242030502.

- sign 145.093+/-0.000 χ^2/NDF : 8869673057.4/59

yield_bcm_an_ds_rms vs Slug



Right In: 0.414 $\pm$ 0.000 χ^2 /NDF: 4370036.5/34

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1892802.8/24

Right Out: 0.401 $\pm$ 0.000 χ^2 /NDF: 3788881.4/36

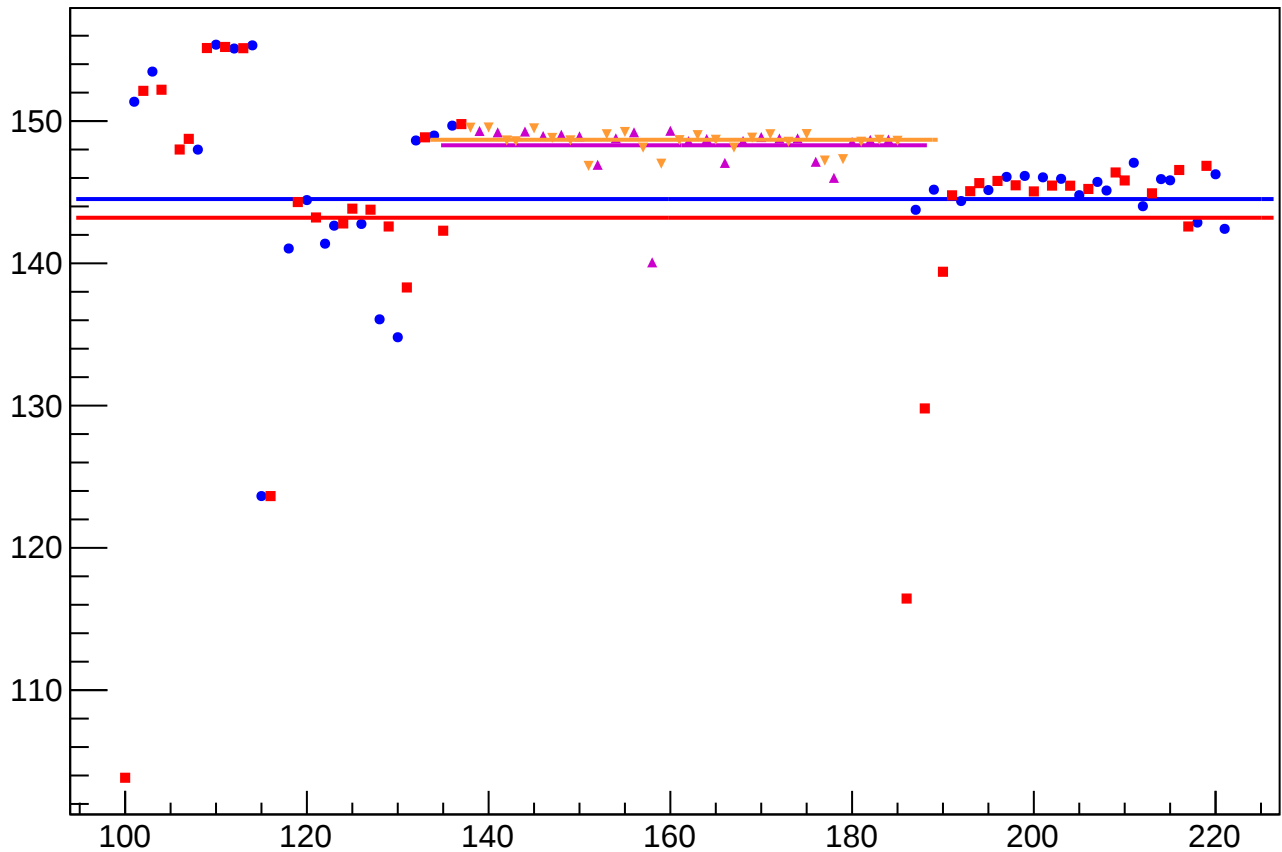
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1479367.0/22

+ sign 0.421 $\pm$ 0.000 χ^2 /NDF: 6279444.3/59

All: 0.418 $\pm$ 0.000 χ^2 /NDF: 11651611.2/119

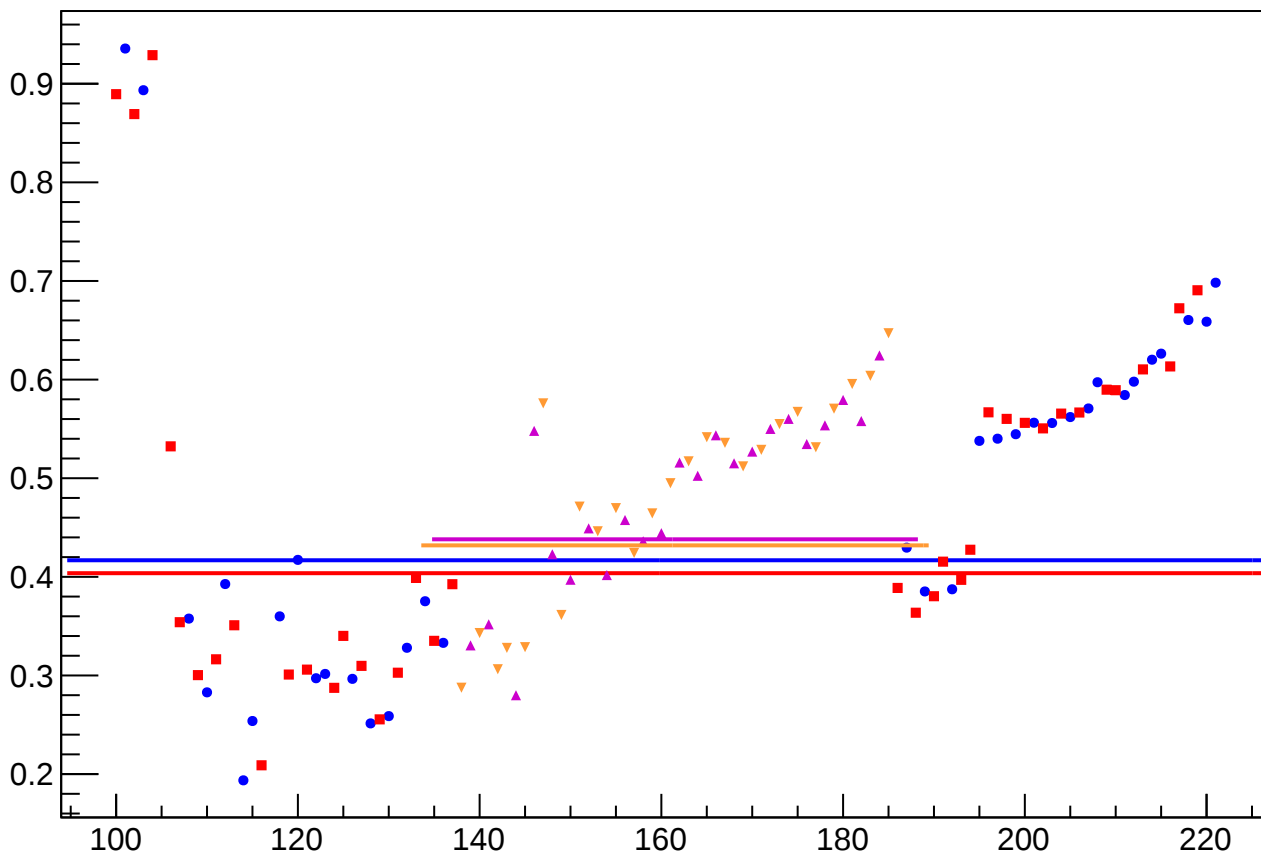
- sign 0.416 $\pm$ 0.000 χ^2 /NDF: 5367397.5/59

yield_bcm_an_ds3_mean vs Slug



Right In: 144.519 $\pm$ 0.000	χ^2 /NDF: 3576408457.4/34	+ sign 146.533 $\pm$ 0.000	χ^2 /NDF: 4442705790.0/59
Left Out: 148.687 $\pm$ 0.000	χ^2 /NDF: 52285197.5/24	All: 146.016 $\pm$ 0.000	χ^2 /NDF: 13519735710.
Right Out: 143.205 $\pm$ 0.000	χ^2 /NDF: 7445560257.7/36	- sign 145.497 $\pm$ 0.000	χ^2 /NDF: 8976627955.6/59
Left In: 148.298 $\pm$ 0.000	χ^2 /NDF: 332527463.6/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.417 $\pm$ 0.000 χ^2 /NDF: 4382172.8/34

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1924979.0/24

Right Out: 0.404 $\pm$ 0.000 χ^2 /NDF: 3793867.0/36

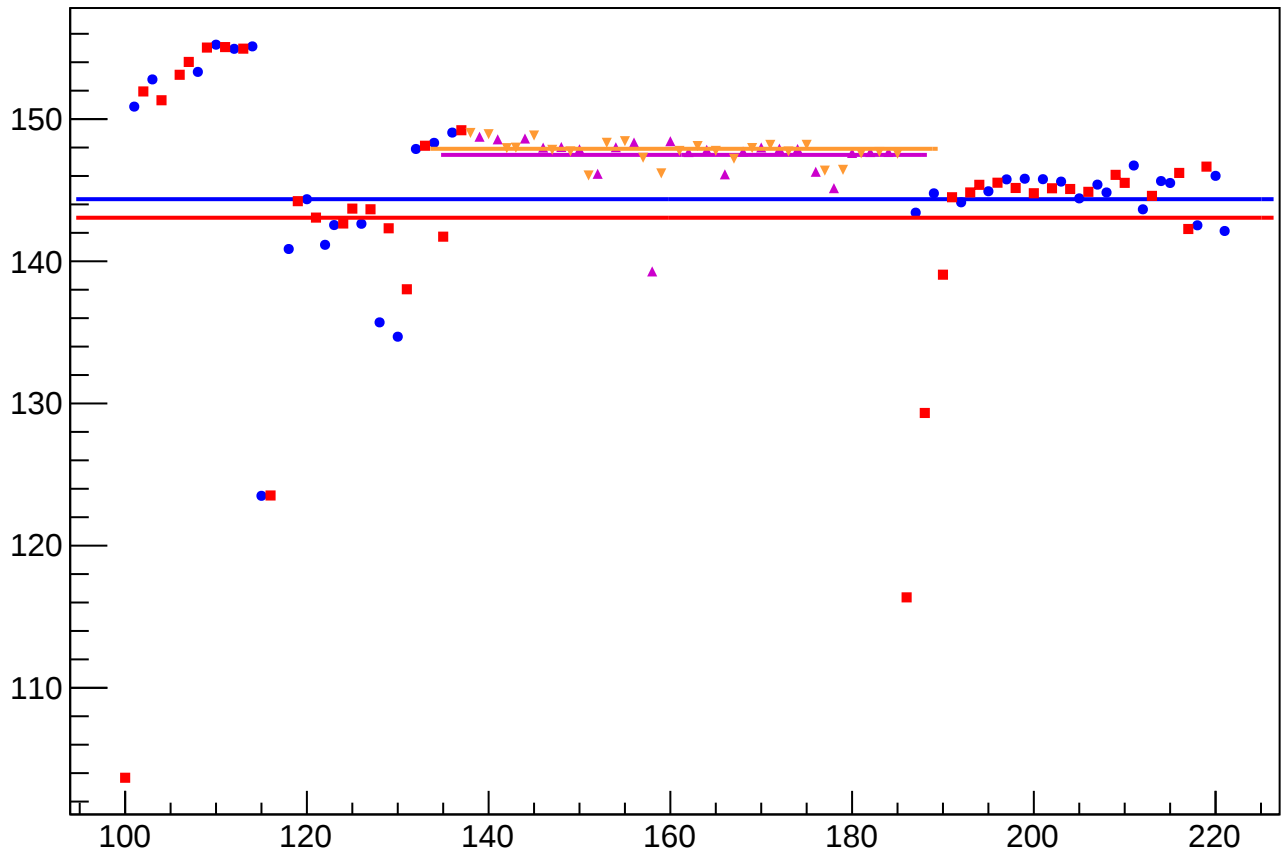
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

+ sign 0.424 $\pm$ 0.000 χ^2 /NDF: 6328517.7/59

All: 0.422 $\pm$ 0.000 χ^2 /NDF: 11740621.6/119

- sign 0.419 $\pm$ 0.000 χ^2 /NDF: 5407527.7/59

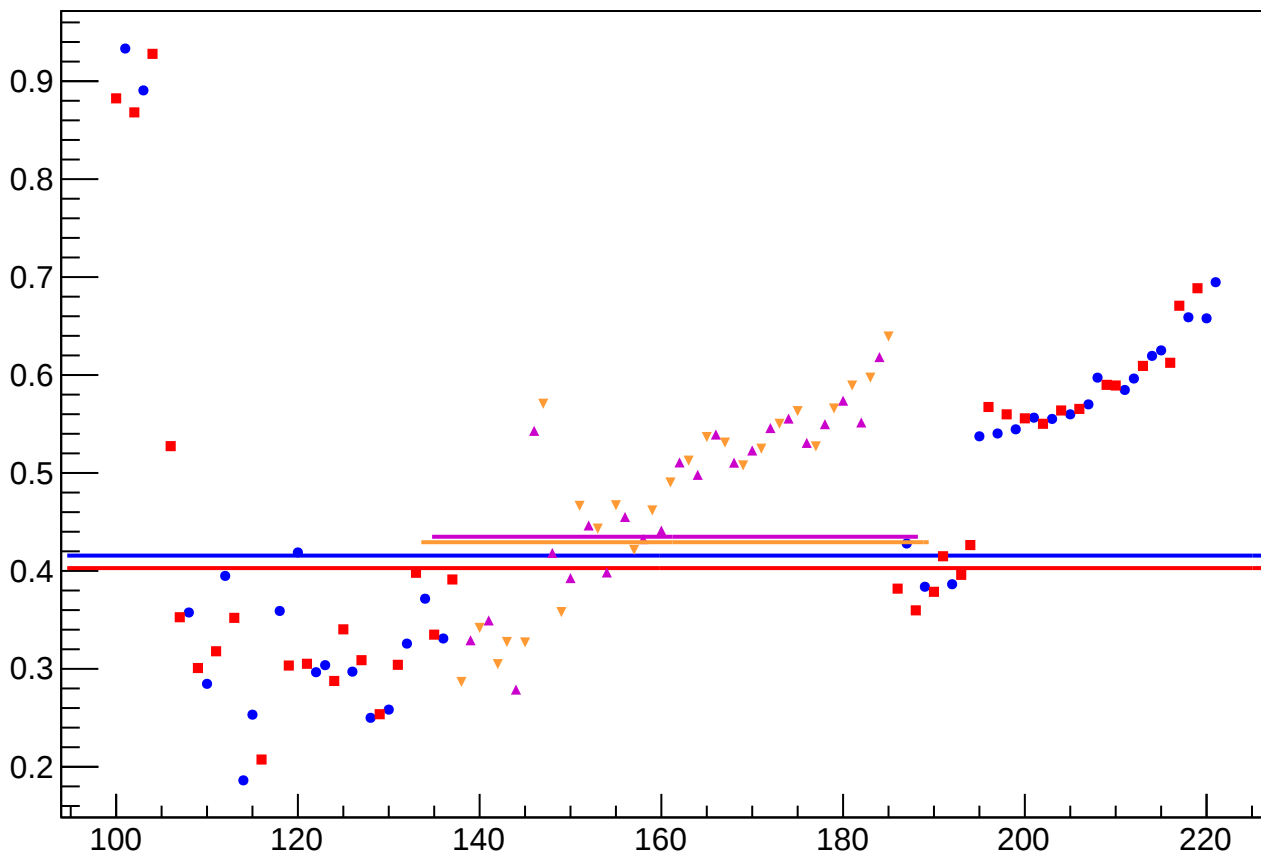
yield_bcm_an_us_mean vs Slug



Right In: 144.368 ± 0.000 $\chi^2/\text{NDF}: 3732402058.5/34$
 Left Out: 147.912 ± 0.000 $\chi^2/\text{NDF}: 64463426.1/24$
 Right Out: 143.063 ± 0.000 $\chi^2/\text{NDF}: 7865922053.7/36$
 Left In: 147.483 ± 0.000 $\chi^2/\text{NDF}: 342674720.4/22$

+ sign 146.088 ± 0.000 $\chi^2/\text{NDF}: 4390476812.3/59$
 All: 145.577 ± 0.000 $\chi^2/\text{NDF}: 13610173340.$
 - sign 145.064 ± 0.000 $\chi^2/\text{NDF}: 9120768306.5/59$

yield_bcm_an_us_rms vs Slug



Right In: 0.416 $\pm$ 0.000 χ^2 /NDF: 4412863.0/34

Left Out: 0.429 $\pm$ 0.000 χ^2 /NDF:1891709.3/24

Right Out: 0.403 $\pm$ 0.000 χ^2 /NDF: 3797216.6/36

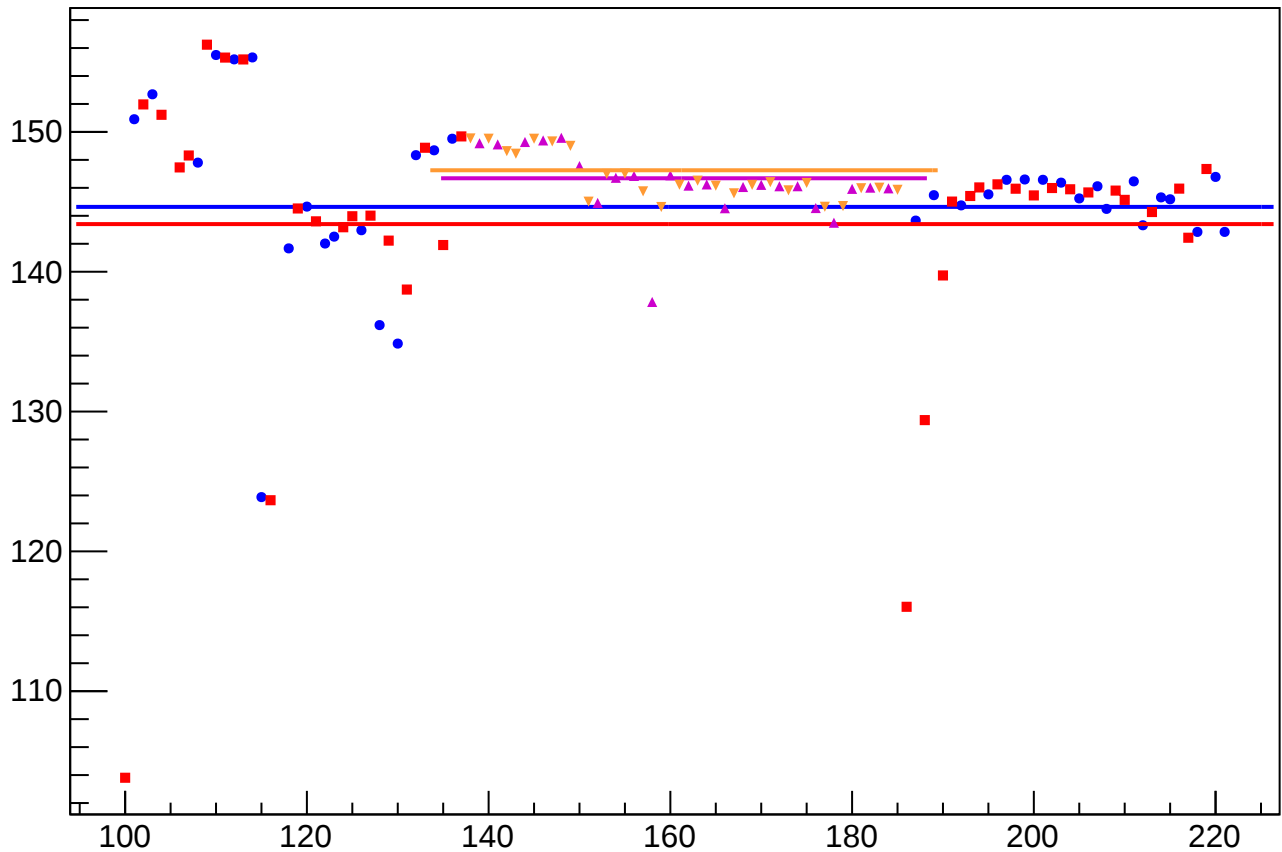
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.422 $\pm$ 0.000 χ^2 /NDF: 6322235.9/59

All: 0.420 $\pm$ 0.000 χ^2 /NDF: 11705511.5/119

- sign 0.417 $\pm$ 0.000 χ^2 /NDF: 5378737.3/59

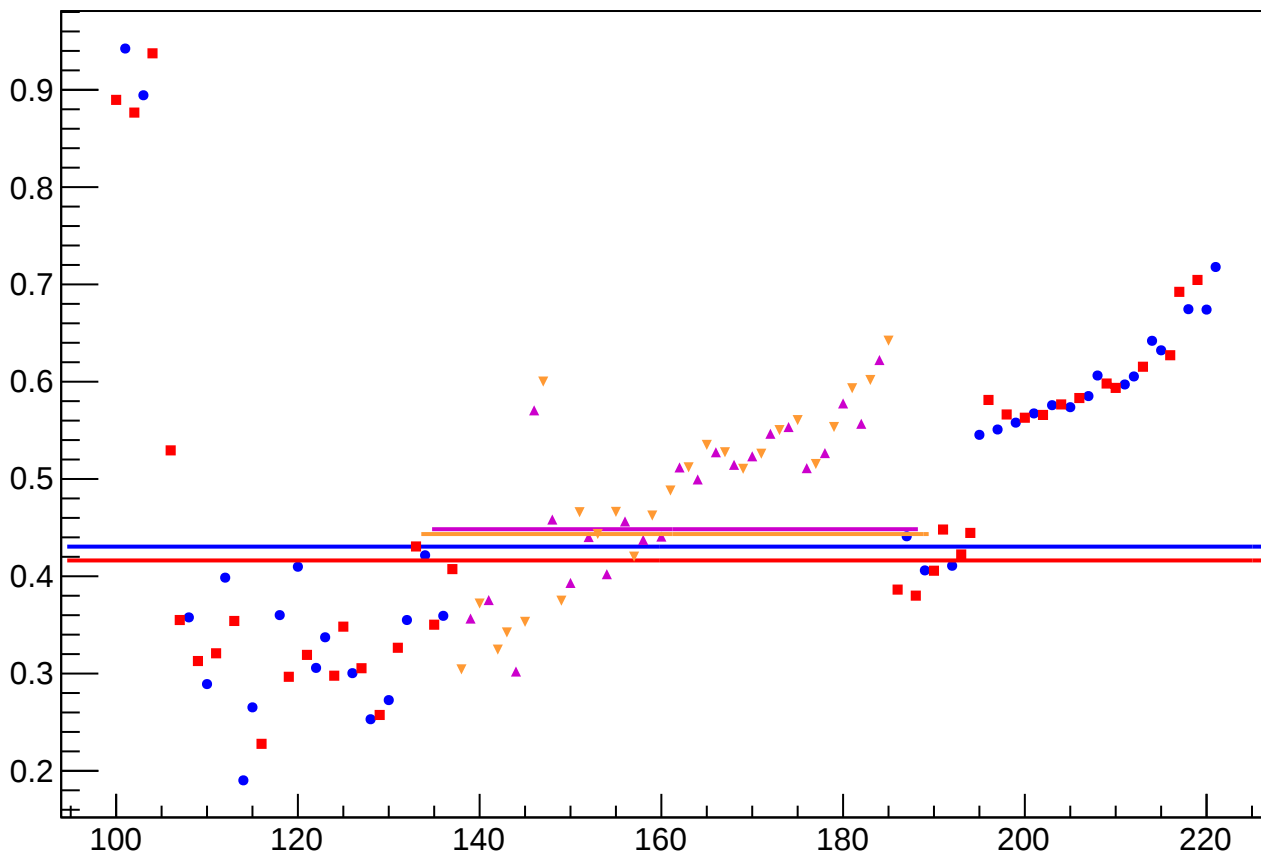
yield_bcm_dg_us_mean vs Slug



Right In: 144.638 $\pm$ 0.000 χ^2/NDF : 3249908490.7/34
 Left Out: 147.257 $\pm$ 0.000 χ^2/NDF : 261906278.3/24
 Right Out: 143.408 $\pm$ 0.000 χ^2/NDF : 7181441337.0/36
 Left In: 146.685 $\pm$ 0.000 χ^2/NDF : 554922388.0/22

+ sign 145.919 $\pm$ 0.000 χ^2/NDF : 3816649110.4/59
 All: 145.411 $\pm$ 0.000 χ^2/NDF : 12118057060.
 - sign 144.903 $\pm$ 0.000 χ^2/NDF : 8209765512.2/59

yield_bcm_dg_us_rms vs Slug



Right In: 0.430 $\pm$ 0.000 χ^2 /NDF: 4271683.3/34

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.416 $\pm$ 0.000 χ^2 /NDF: 3674580.8/36

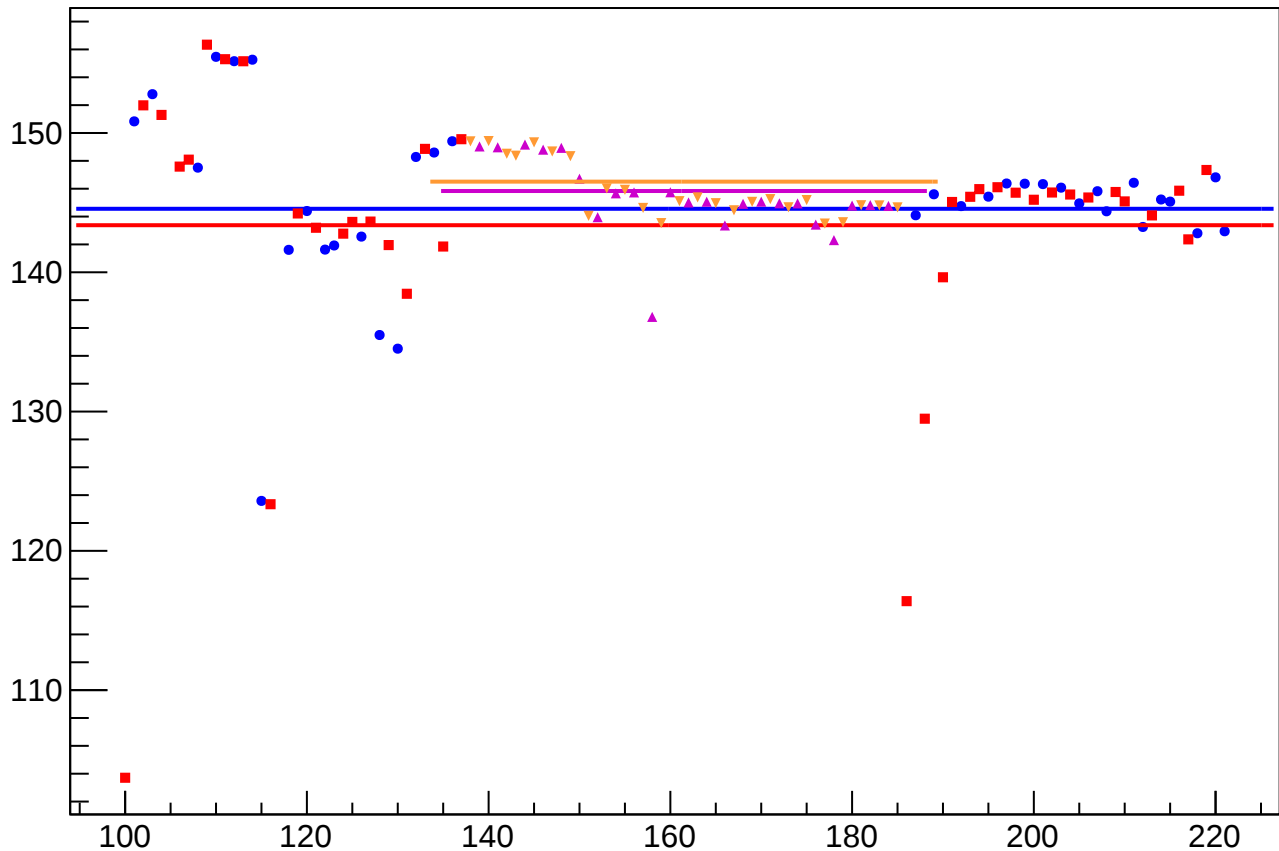
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.437 $\pm$ 0.000 χ^2 /NDF: 5766973.1/59

All: 0.434 $\pm$ 0.000 χ^2 /NDF: 10658886.7/119

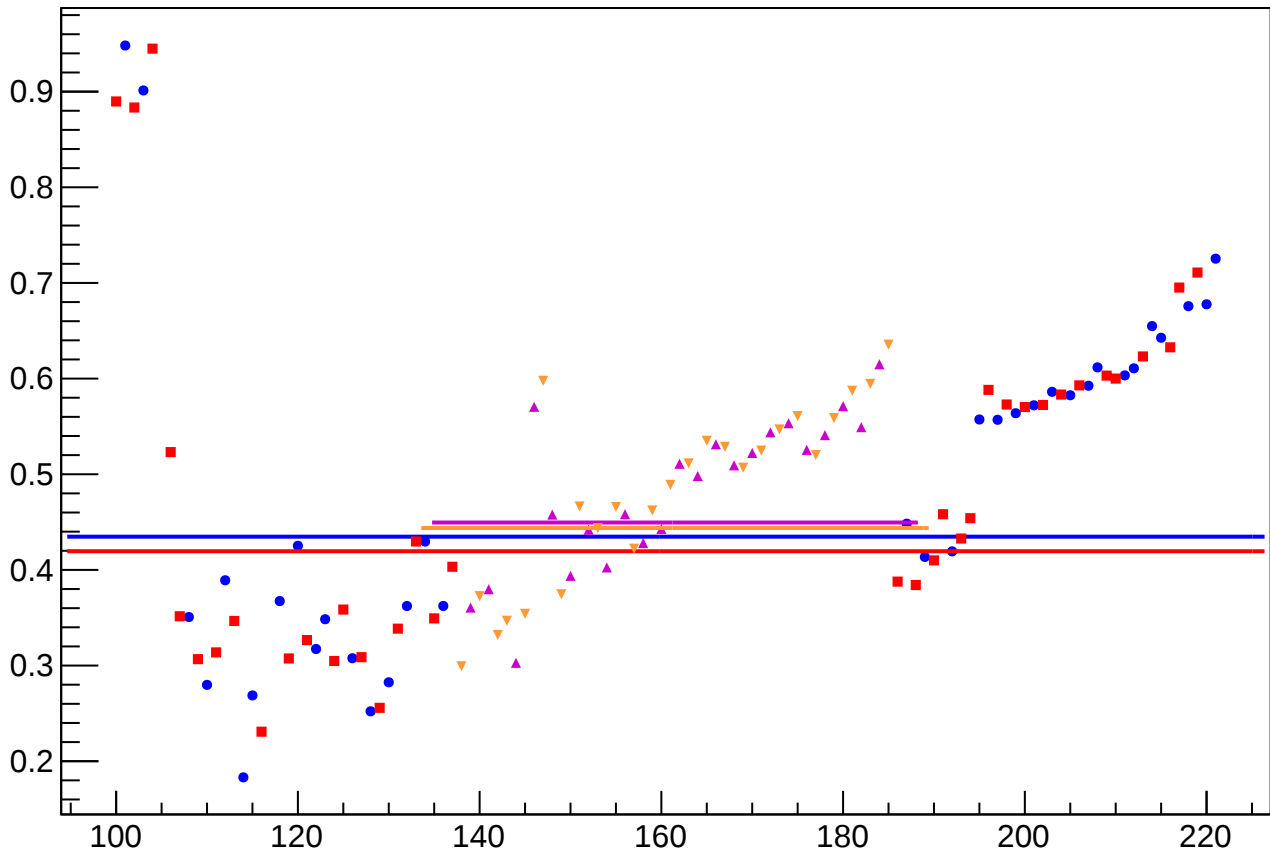
- sign 0.431 $\pm$ 0.000 χ^2 /NDF: 4885798.3/59

yield_bcm_dg_ds_mean vs Slug



Right In: 144.558 $\pm$ 0.000	χ^2 /NDF: 3358981915.8/34	+ sign 145.522 $\pm$ 0.000	χ^2 /NDF: 3927122701.5/59
Left Out: 146.508 $\pm$ 0.000	χ^2 /NDF: 401248837.9/24	All: 145.015 $\pm$ 0.000	χ^2 /NDF: 12103313533.
Right Out: 143.379 $\pm$ 0.000	χ^2 /NDF: 7133174690.9/36	- sign 144.508 $\pm$ 0.000	χ^2 /NDF: 8085992650.6/59
Left In: 145.834 $\pm$ 0.000	χ^2 /NDF: 690172810.0/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.435 $\pm$ 0.000 χ^2 /NDF: 4321155.5/34

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1460383.7/24

Right Out: 0.419 $\pm$ 0.000 χ^2 /NDF: 3710204.2/36

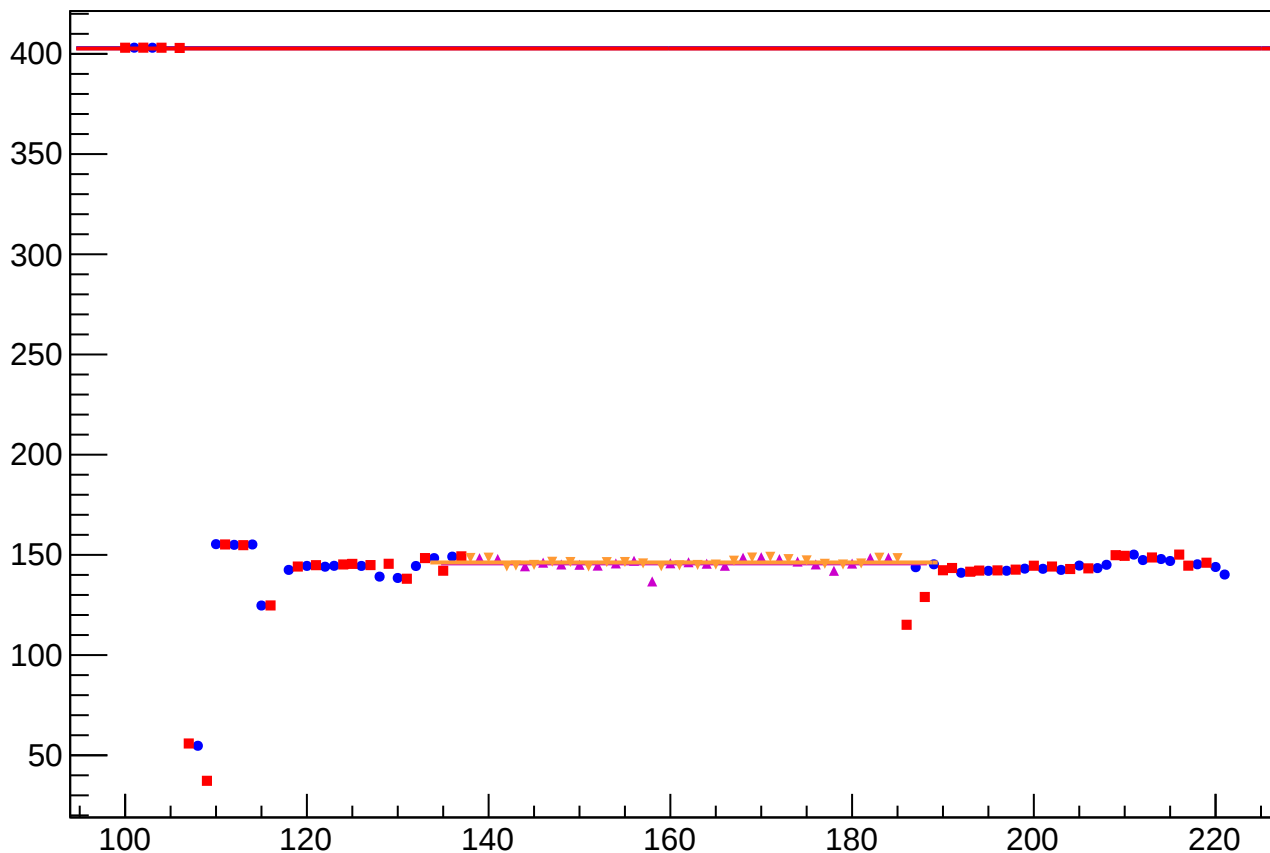
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1092776.5/22

+ sign 0.439 $\pm$ 0.000 χ^2 /NDF: 5788749.8/59

All: 0.436 $\pm$ 0.000 χ^2 /NDF: 10676504.1/119

- sign 0.433 $\pm$ 0.000 χ^2 /NDF: 4881617.1/59

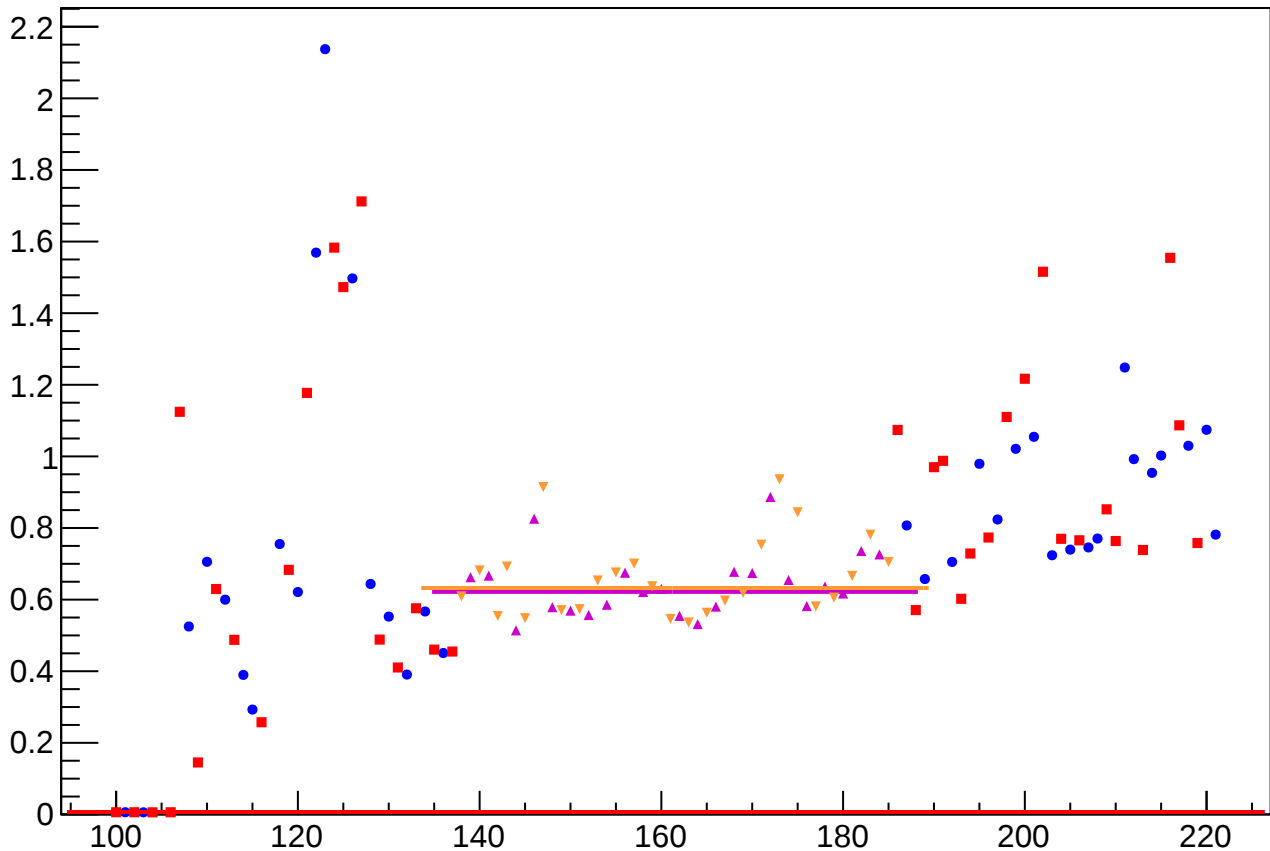
yield_cav4bQ_mean vs Slug



Right In: 402.836 $\pm$ 0.000 χ^2 /NDF: 2074531814475.1/34
 Left Out: 146.216 $\pm$ 0.000 χ^2 /NDF: 86042286.3/24
 Right Out: 402.678 $\pm$ 0.000 χ^2 /NDF: 4213963413229.5/36
 Left In: 145.755 $\pm$ 0.000 χ^2 /NDF: 206171532.0/22

+ sign 402.541 $\pm$ 0.000 χ^2 /NDF: 4433600721463.4
 All: 402.478 $\pm$ 0.000 χ^2 /NDF: 109753187162
 - sign 402.421 $\pm$ 0.000 χ^2 /NDF: 6541479323350.4

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 30362579.1/34

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 30491909.0/36

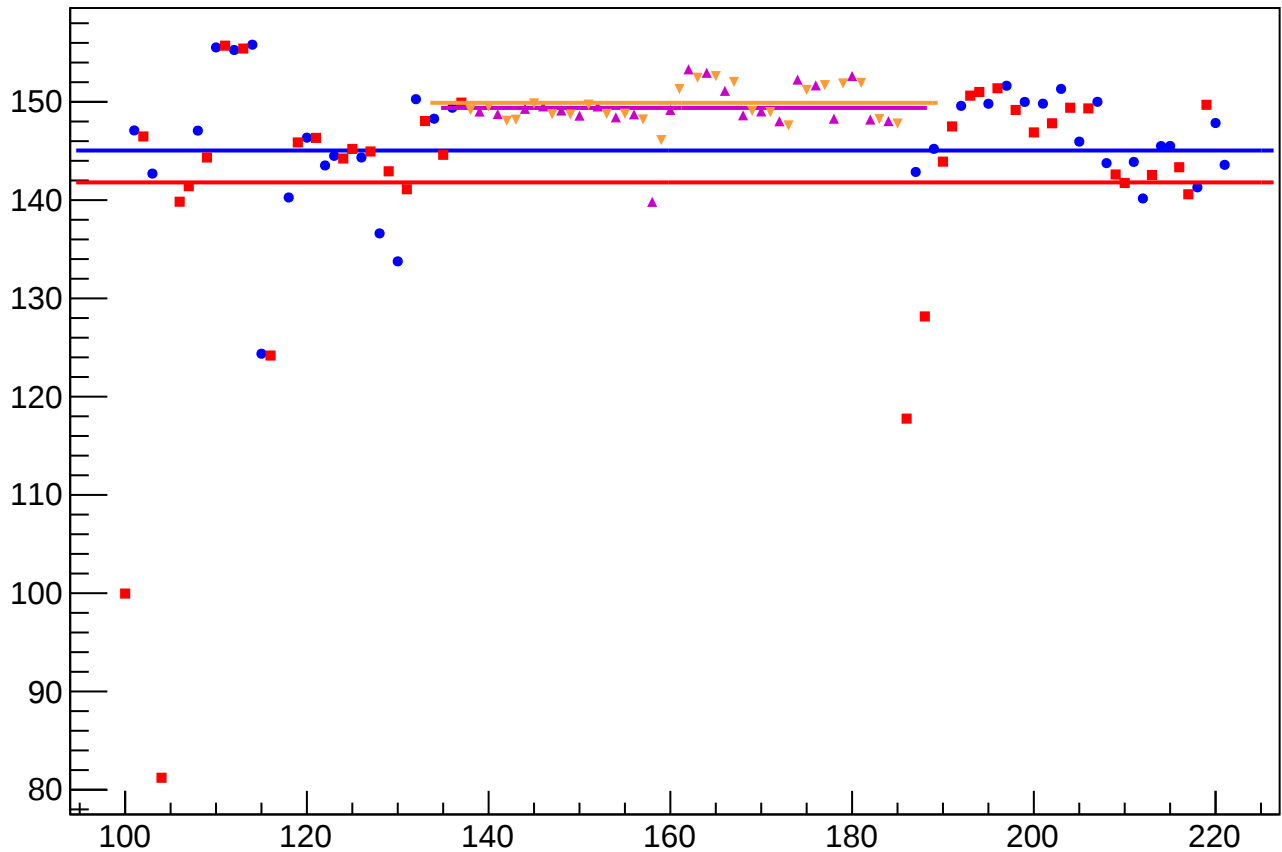
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 59022320.3/59

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 116577860.4/119

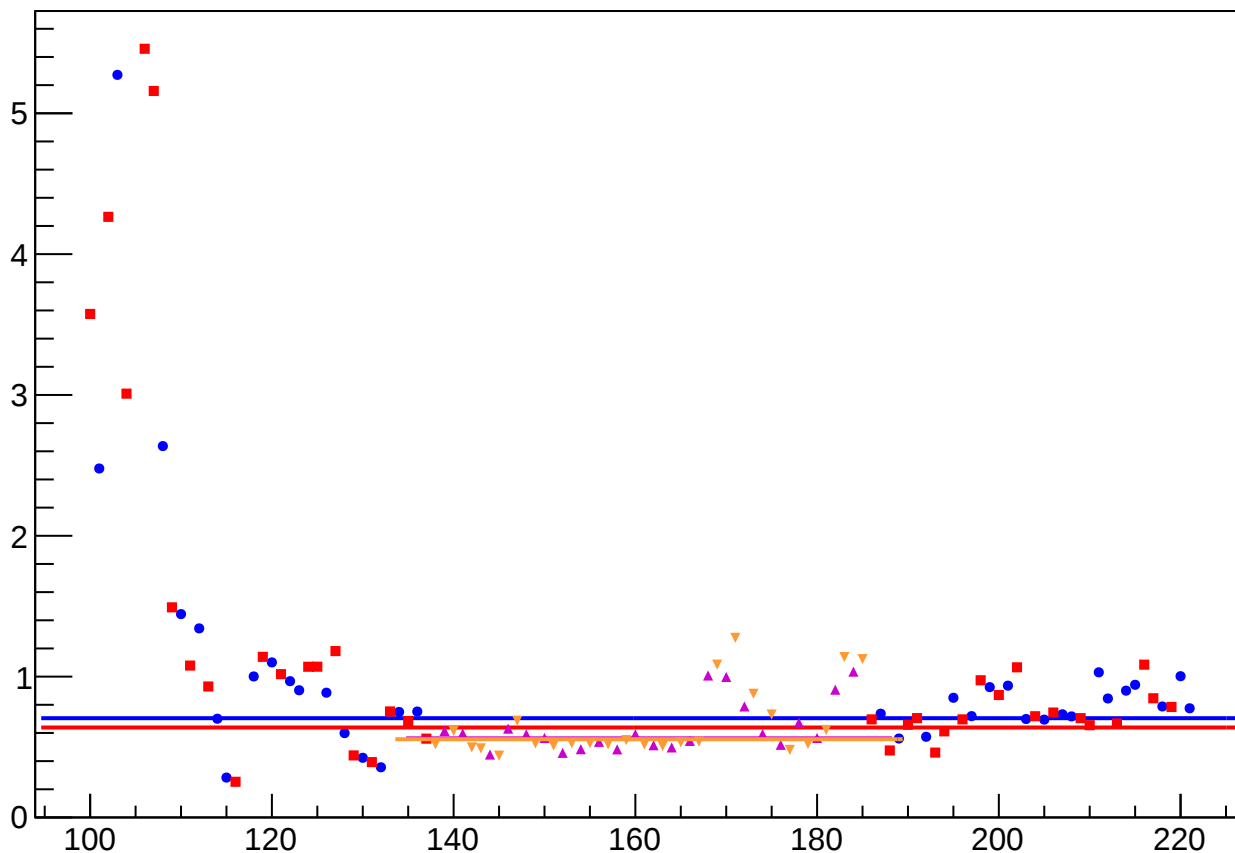
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 57554825.6/59

yield_cav4cQ_mean vs Slug



Right In: 145.049 $\pm$ 0.000	χ^2 /NDF: 1387199734.8/34	+ sign 148.140 $\pm$ 0.000	χ^2 /NDF: 1983372751.7/59
Left Out: 149.900 $\pm$ 0.000	χ^2 /NDF: 162845622.6/24	All: 147.174 $\pm$ 0.000	χ^2 /NDF: 7033739060.9
Right Out: 141.803 $\pm$ 0.000	χ^2 /NDF: 3337466648.6/36	- sign 146.225 $\pm$ 0.000	χ^2 /NDF: 4903157280.5/59
Left In: 149.382 $\pm$ 0.000	χ^2 /NDF: 434657827.5/22		

yield_cav4cQ_rms vs Slug



Right In: 0.705 ± 0.000 $\chi^2/\text{NDF}: 4554847.5/34$

Left Out: 0.555 ± 0.000 $\chi^2/\text{NDF}: 1773688.1/24$

Right Out: 0.639 ± 0.000 $\chi^2/\text{NDF}: 5959216.2/36$

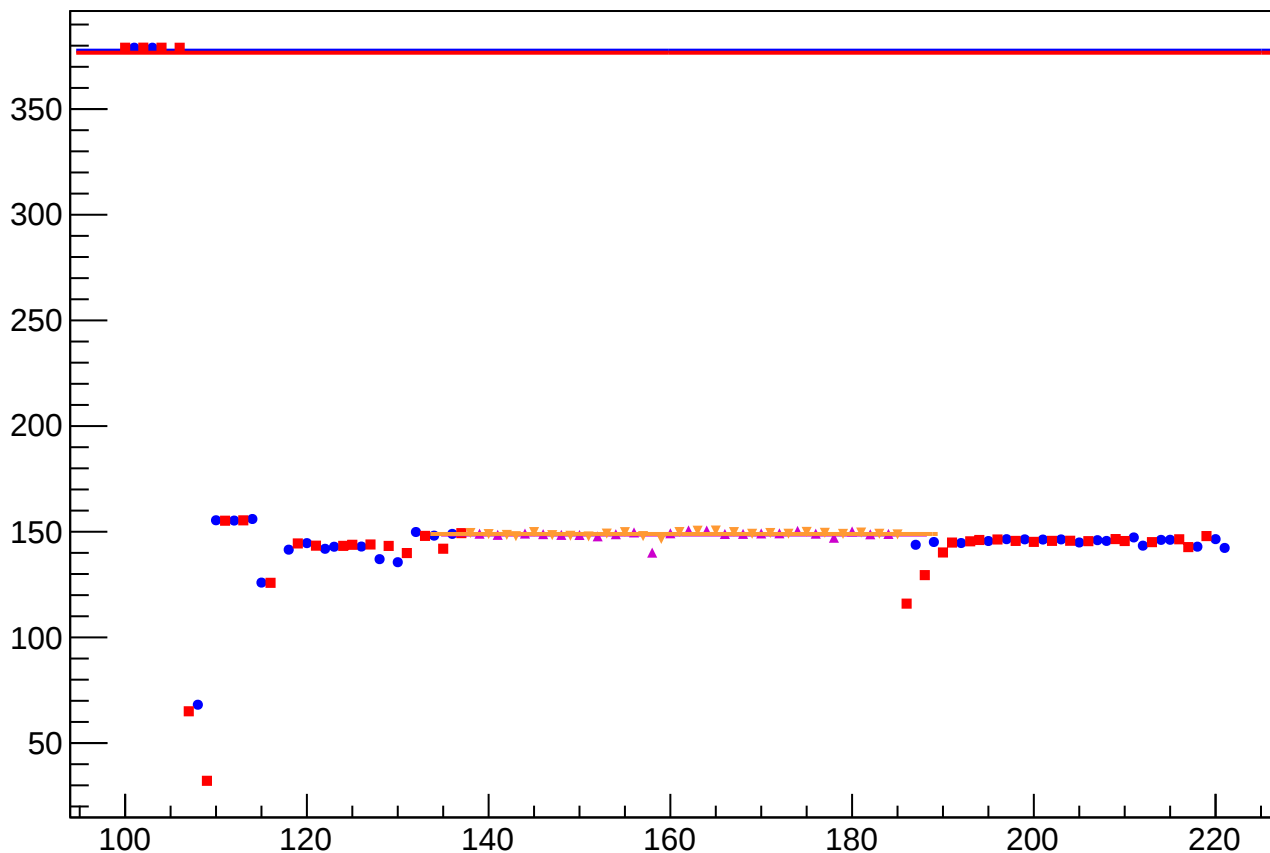
Left In: 0.562 ± 0.000 $\chi^2/\text{NDF}: 1305573.4/22$

+ sign 0.610 ± 0.000 $\chi^2/\text{NDF}: 7150559.6/59$

All: 0.602 ± 0.000 $\chi^2/\text{NDF}: 14669127.7/119$

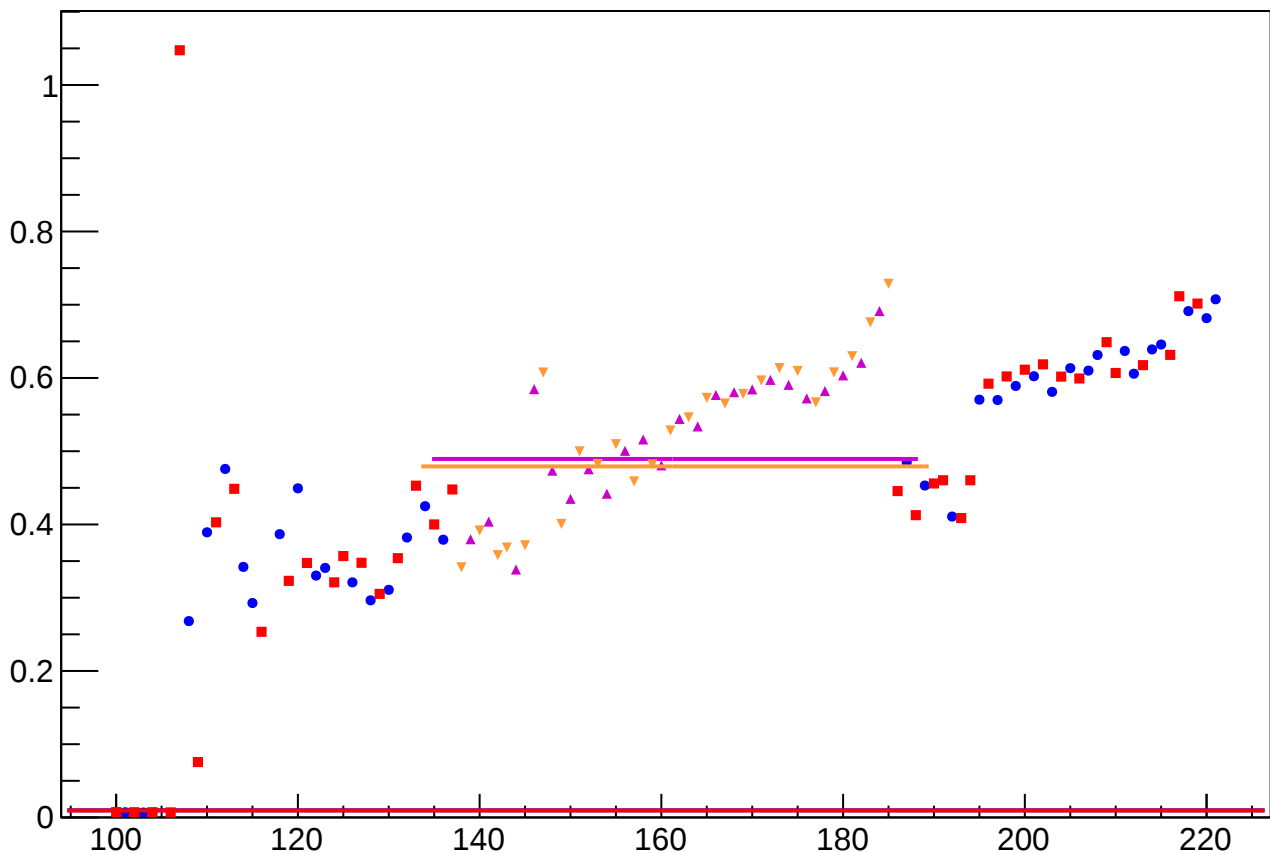
- sign 0.594 ± 0.000 $\chi^2/\text{NDF}: 7498351.7/59$

yield_cav4dQ_mean vs Slug



Right In: 377.637+/-0.000	χ^2/NDF : 4509497156565.9/34	+ sign 376.365+/-0.000	χ^2/NDF : 8394796333493.0
Left Out: 148.944+/-0.000	χ^2/NDF : 63976941.3/24	All: 375.984+/-0.000	χ^2/NDF : 224361795322
Right Out: 376.669+/-0.000	χ^2/NDF : 10497970761509.3/36	- sign 375.649+/-0.000	χ^2/NDF : 14037716465090.1
Left In: 148.672+/-0.000	χ^2/NDF : 252846428.3/22		

yield_cav4dQ_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 34686408.9/34

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1516566.1/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 33032933.1/36

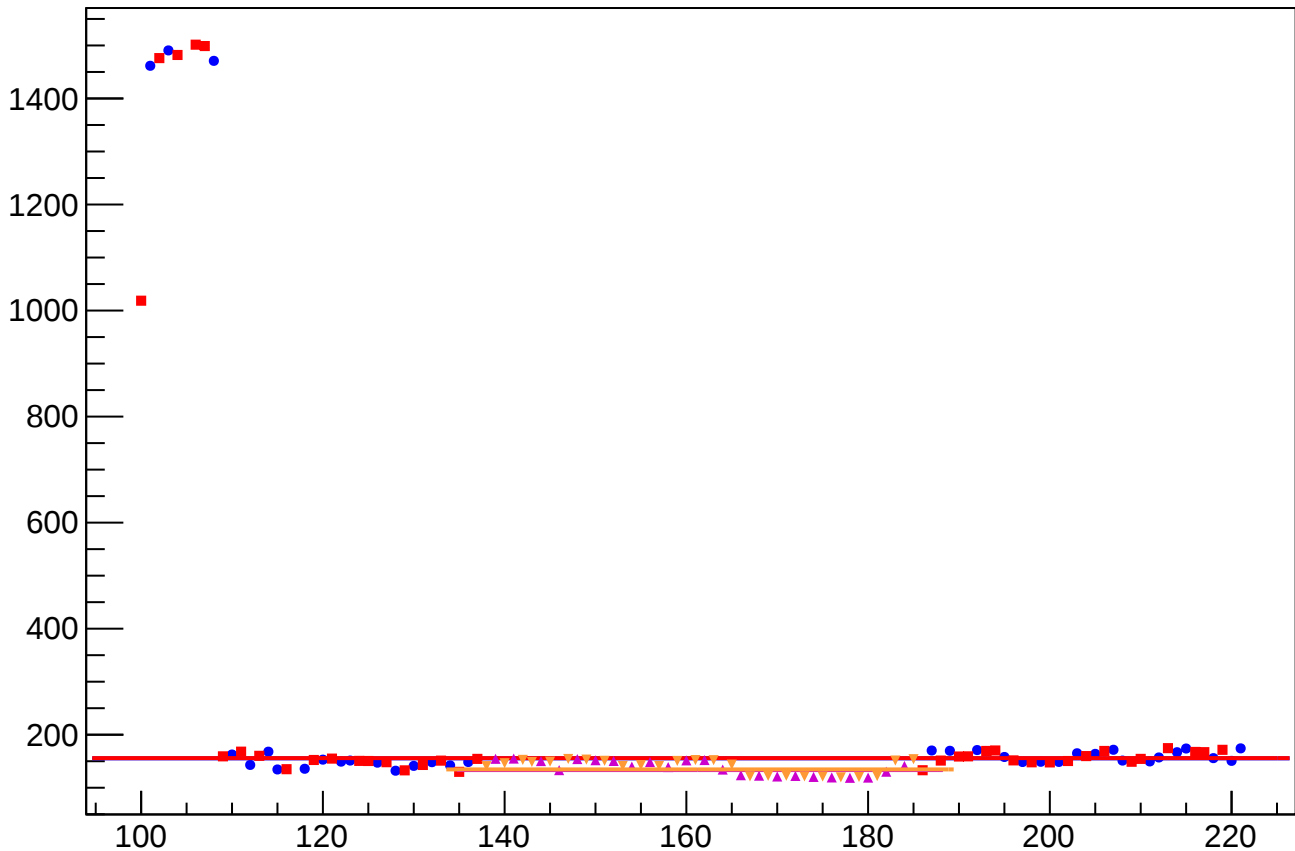
Left In: 0.489 $\pm$ 0.000 χ^2 /NDF:1076134.2/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 68965466.6/59

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 134445327.1/119

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 65474162.3/59

yield_bcm0l02_mean vs Slug



Right In: 155.379+/-0.000 χ^2/NDF : 26341059637.8/34

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 155.858+/-0.000 χ^2/NDF : 35434373341.9/36

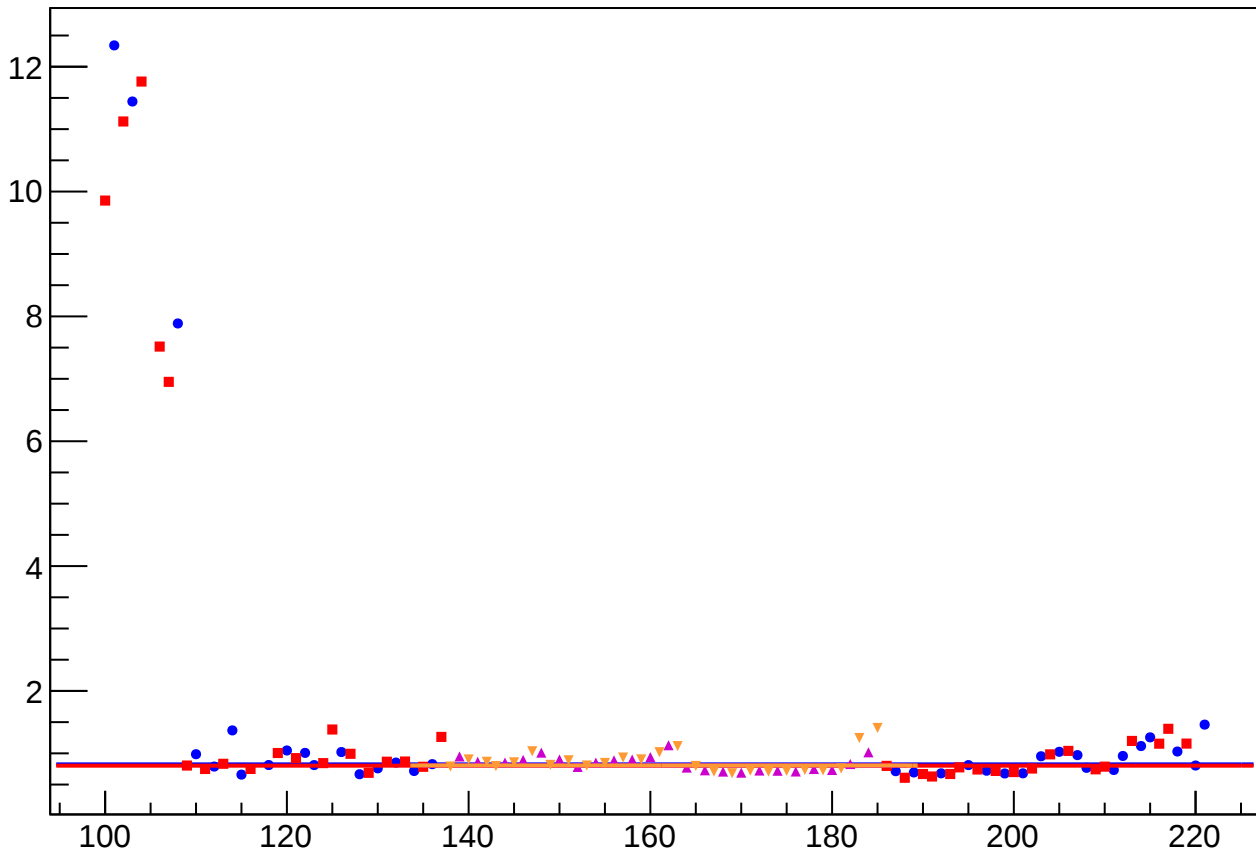
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 144.515+/-0.000 χ^2/NDF : 35637146197.3/59

All: 144.484+/-0.000 χ^2/NDF : 81067717679.3/118

- sign 144.452+/-0.000 χ^2/NDF : 45430481301.9/59

yield_bcm0l02_rms vs Slug



Right In: 0.823 ± 0.000 χ^2/NDF : 3673724.0/34

Left Out: 0.806 ± 0.000 χ^2/NDF : 690578.5/24

Right Out: 0.802 ± 0.000 χ^2/NDF : 3925262.7/36

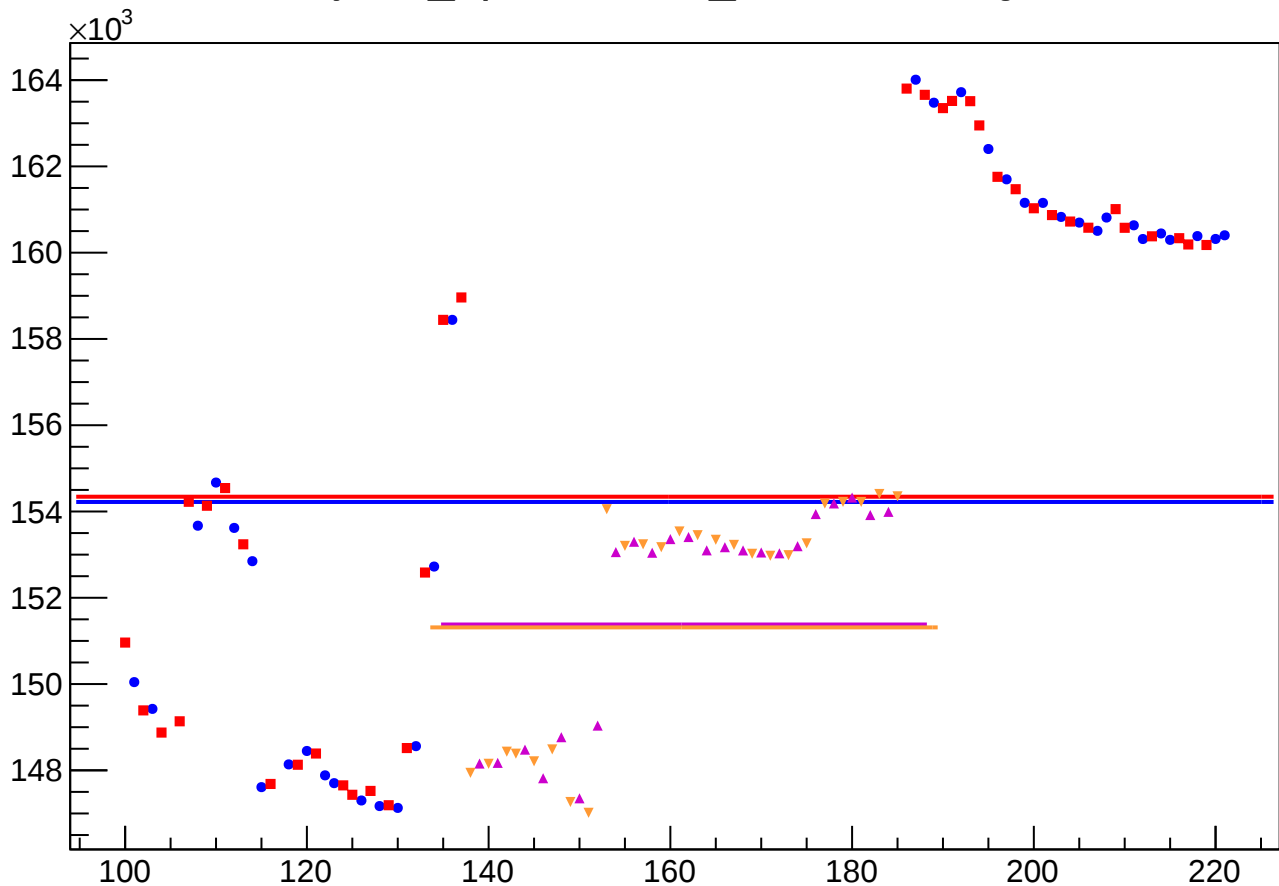
Left In: 0.805 ± 0.000 χ^2/NDF : 480510.8/22

+ sign 0.814 ± 0.000 χ^2/NDF : 4371055.2/59

All: 0.809 ± 0.000 χ^2/NDF : 8782142.4/119

- sign 0.804 ± 0.000 χ^2/NDF : 4405890.3/59

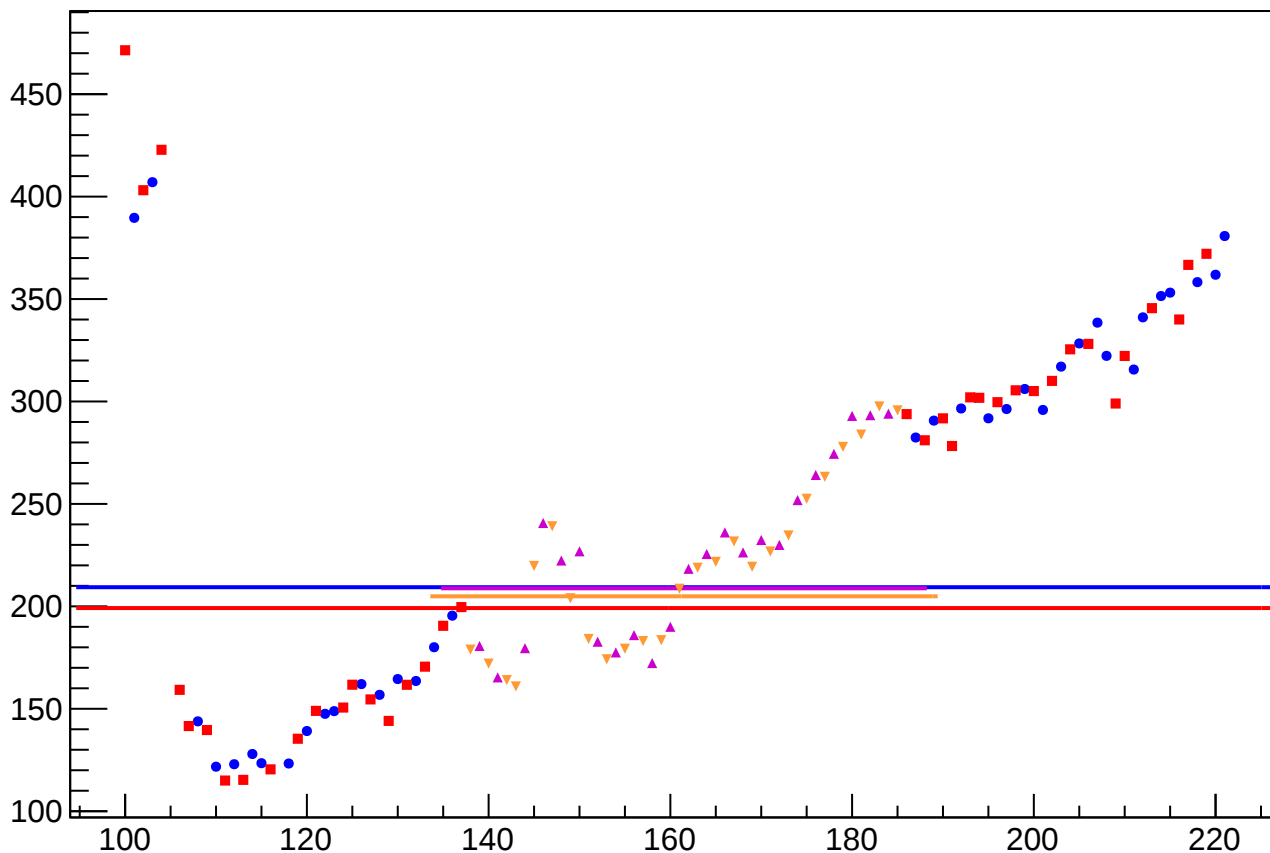
yield_bpm0i01WS_mean vs Slug



Right In: 154220.873 $\pm$ 0.051 χ^2 /NDF: 12877837760.6/34
 Left Out: 151313.284 $\pm$ 0.049 χ^2 /NDF: 3153768134.8/24
 Right Out: 154342.773 $\pm$ 0.050 χ^2 /NDF: 13164636782.8/36
 Left In: 151380.236 $\pm$ 0.051 χ^2 /NDF: 2363895785.3/22

+ sign 152685.433 $\pm$ 0.035 χ^2 /NDF: 17714901344.
 All: 152794.865 $\pm$ 0.025 χ^2 /NDF: 34987705.
 - sign 152905.976 $\pm$ 0.036 χ^2 /NDF: 17253521387.9

yield_bpm0i01WS_rms vs Slug



Right In: 209.345+/-0.036 χ^2/NDF : 6133666.3/34

Left Out: 204.900+/-0.034 χ^2/NDF : 1056380.8/24

Right Out: 199.168+/-0.035 χ^2/NDF : 6064589.8/36

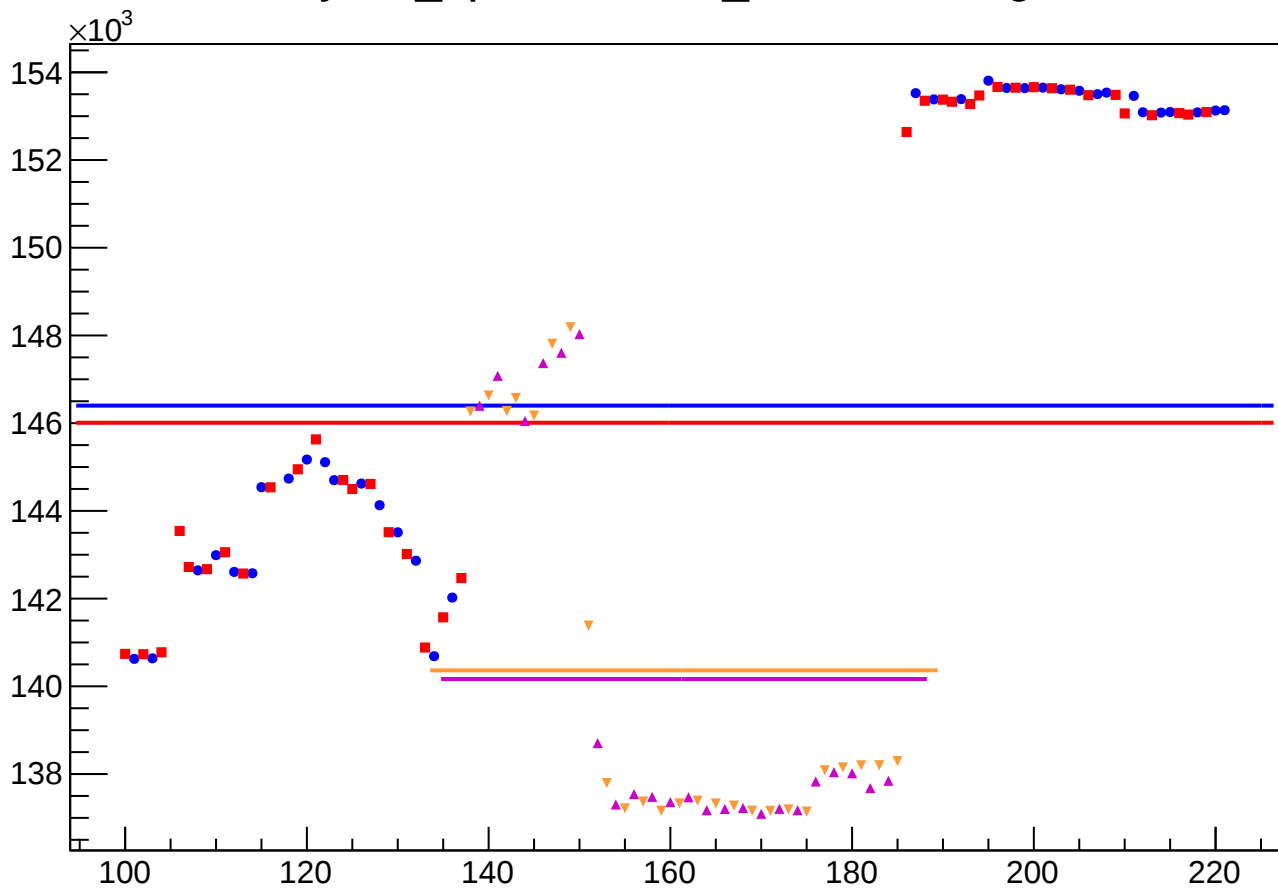
Left In: 208.813+/-0.036 χ^2/NDF : 1001936.6/22

+ sign 206.998+/-0.025 χ^2/NDF : 7197917.4/59

All: 205.433+/-0.018 χ^2/NDF : 14308889.1/11

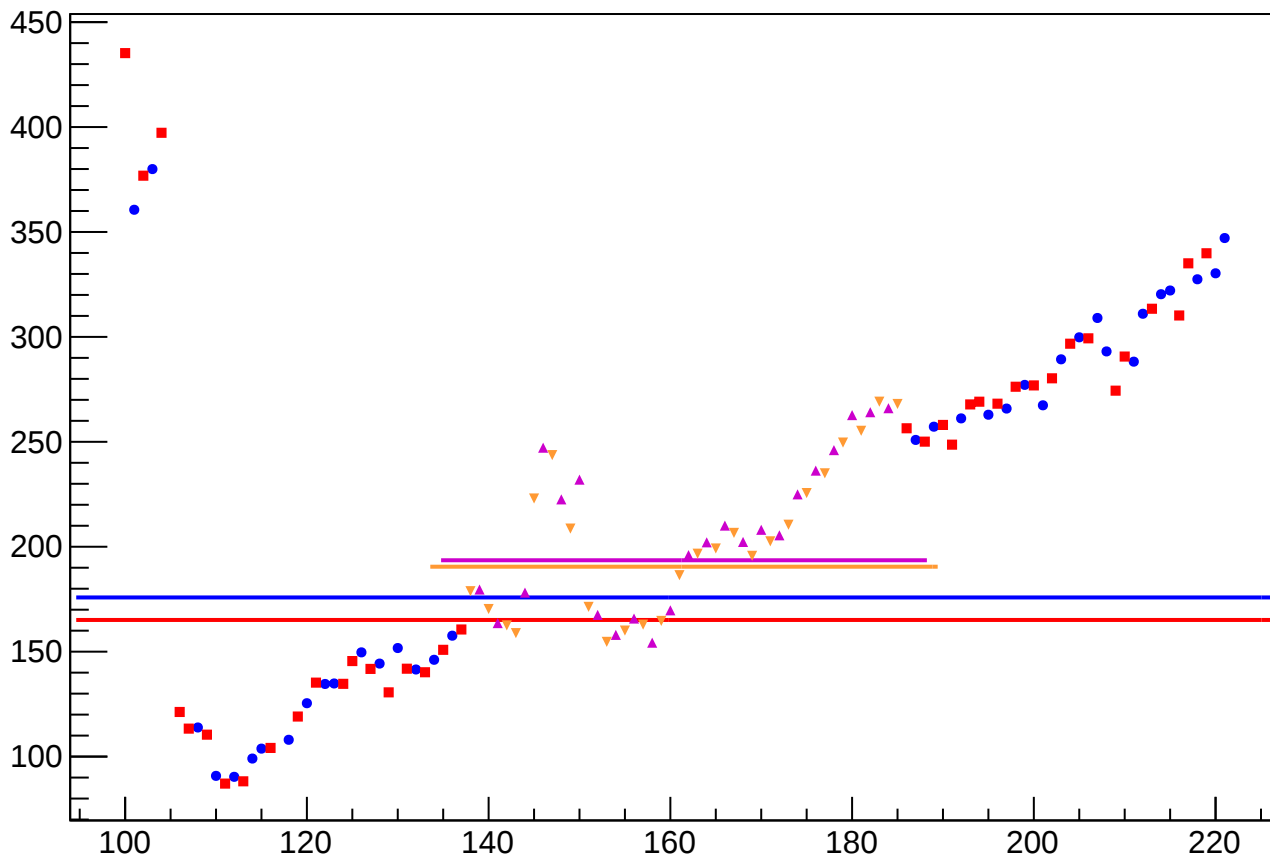
- sign 203.845+/-0.025 χ^2/NDF : 7103093.4/59

yield_bpm0i01aWS_mean vs Slug



Right In: 146400.342 $\pm$ 0.044 χ^2/NDF : 11401189001.9/34
 Left Out: 140364.444 $\pm$ 0.045 χ^2/NDF : 8677078677.7/24
 Right Out: 146009.881 $\pm$ 0.042 χ^2/NDF : 12012774559.3/36
 Left In: 140166.971 $\pm$ 0.047 χ^2/NDF : 8028464654.6/22

yield_bpm0i01aWS_rms vs Slug



Right In: 175.837 $\pm$ 0.031 χ^2 /NDF: 7508522.5/34

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF: 950233.2/24

Right Out: 165.108 $\pm$ 0.030 χ^2 /NDF: 7445100.3/36

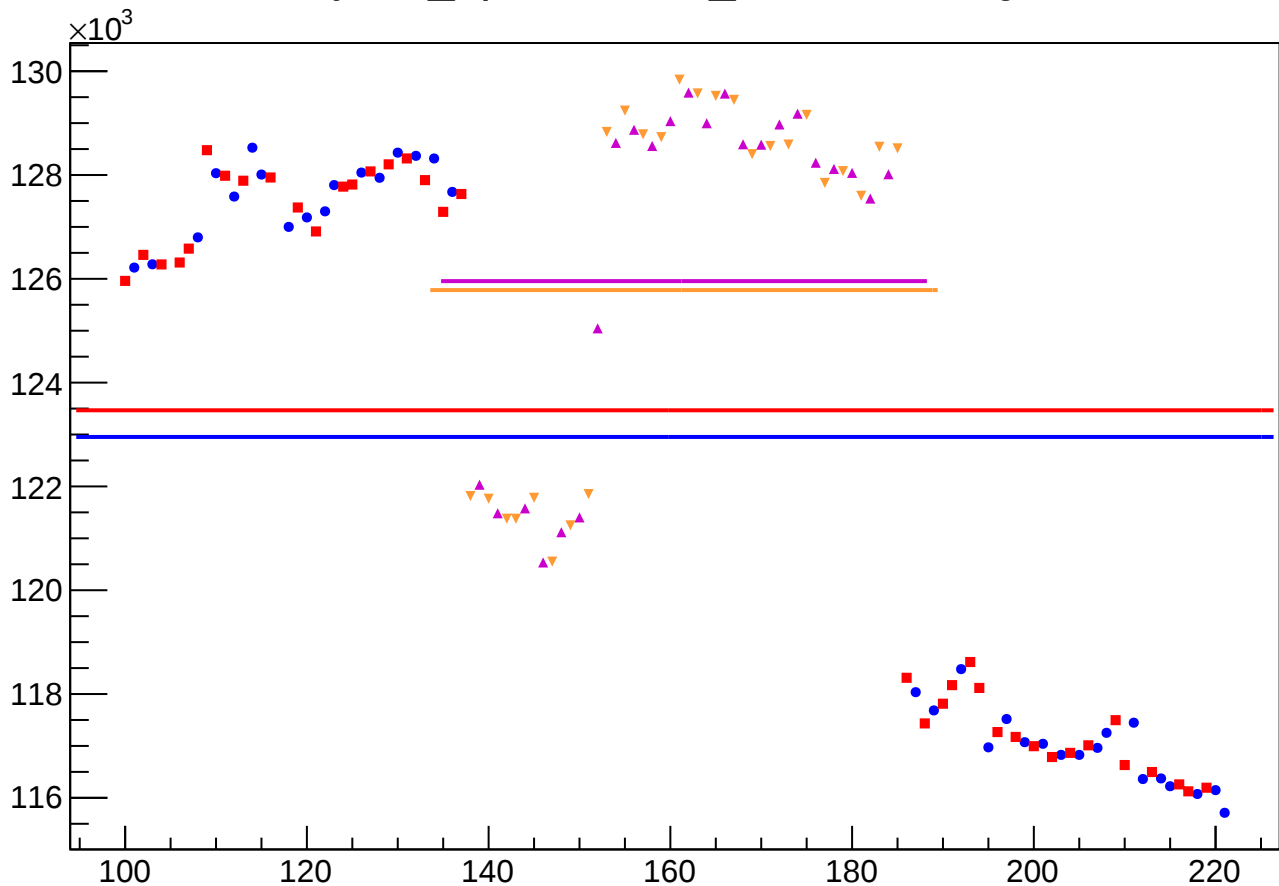
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

+ sign 182.990 $\pm$ 0.022 χ^2 /NDF: 8566165.1/59

All: 180.276 $\pm$ 0.016 χ^2 /NDF: 17407858.8/1

- sign 177.590 $\pm$ 0.022 χ^2 /NDF: 8812330.9/59

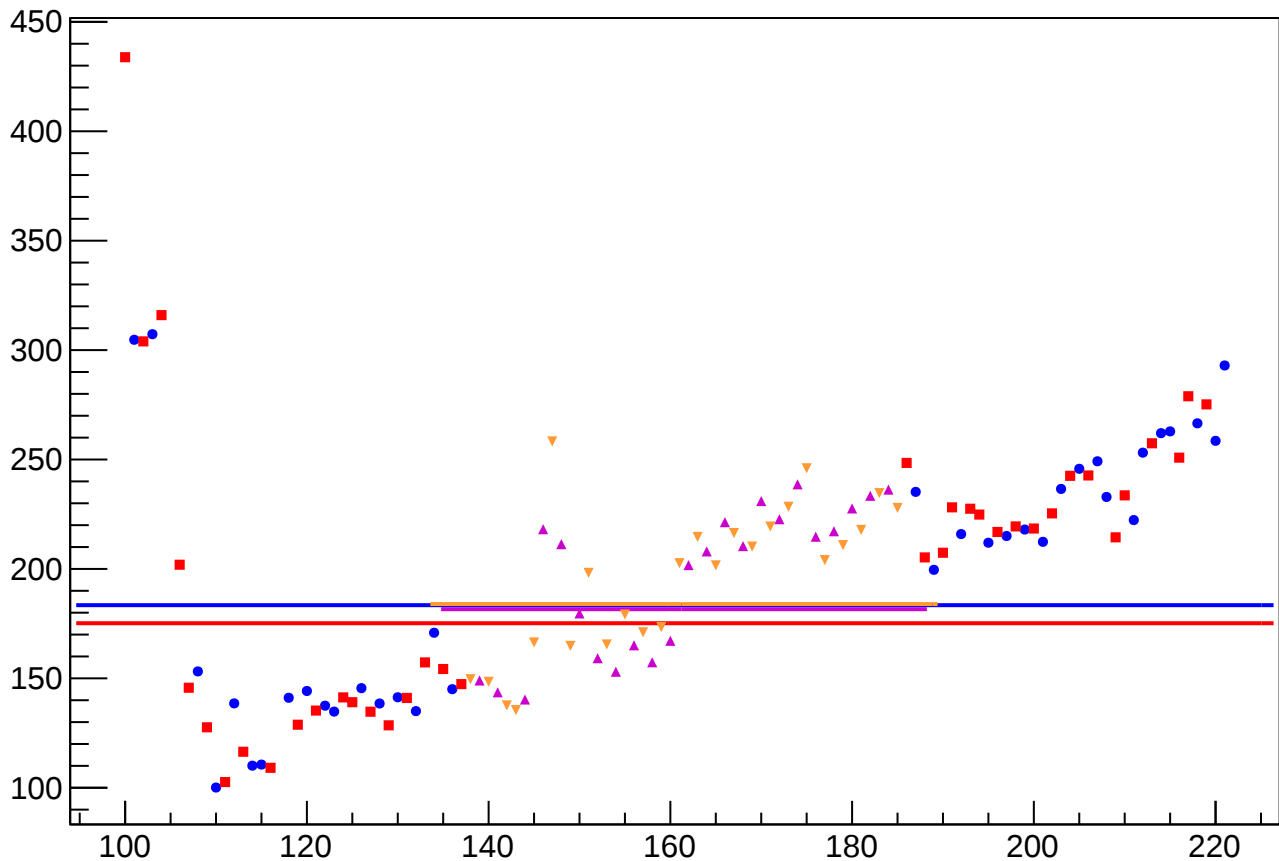
yield_bpm0l01WS_mean vs Slug



Right In: 122953.134 ± 0.043 $\chi^2/\text{NDF}: 15250627495.9/34$
 Left Out: 125782.764 ± 0.044 $\chi^2/\text{NDF}: 6729761889.8/24$
 Right Out: 123466.907 ± 0.042 $\chi^2/\text{NDF}: 15270202829.3/36$
 Left In: 125955.637 ± 0.045 $\chi^2/\text{NDF}: 5804088930.1/22$

+ sign 124348.446 ± 0.031 $\chi^2/\text{NDF}: 24076444368.0$
 All: 124492.047 ± 0.022 $\chi^2/\text{NDF}: 468325448$
 - sign 124633.589 ± 0.031 $\chi^2/\text{NDF}: 22713215276.1$

yield_bpm0l01WS_rms vs Slug



Right In: 183.438+/-0.031 χ^2/NDF : 3331456.2/34

Left Out: 183.947+/-0.031 χ^2/NDF :1123194.0/24

Right Out: 175.187+/-0.030 χ^2/NDF : 3558772.1/36

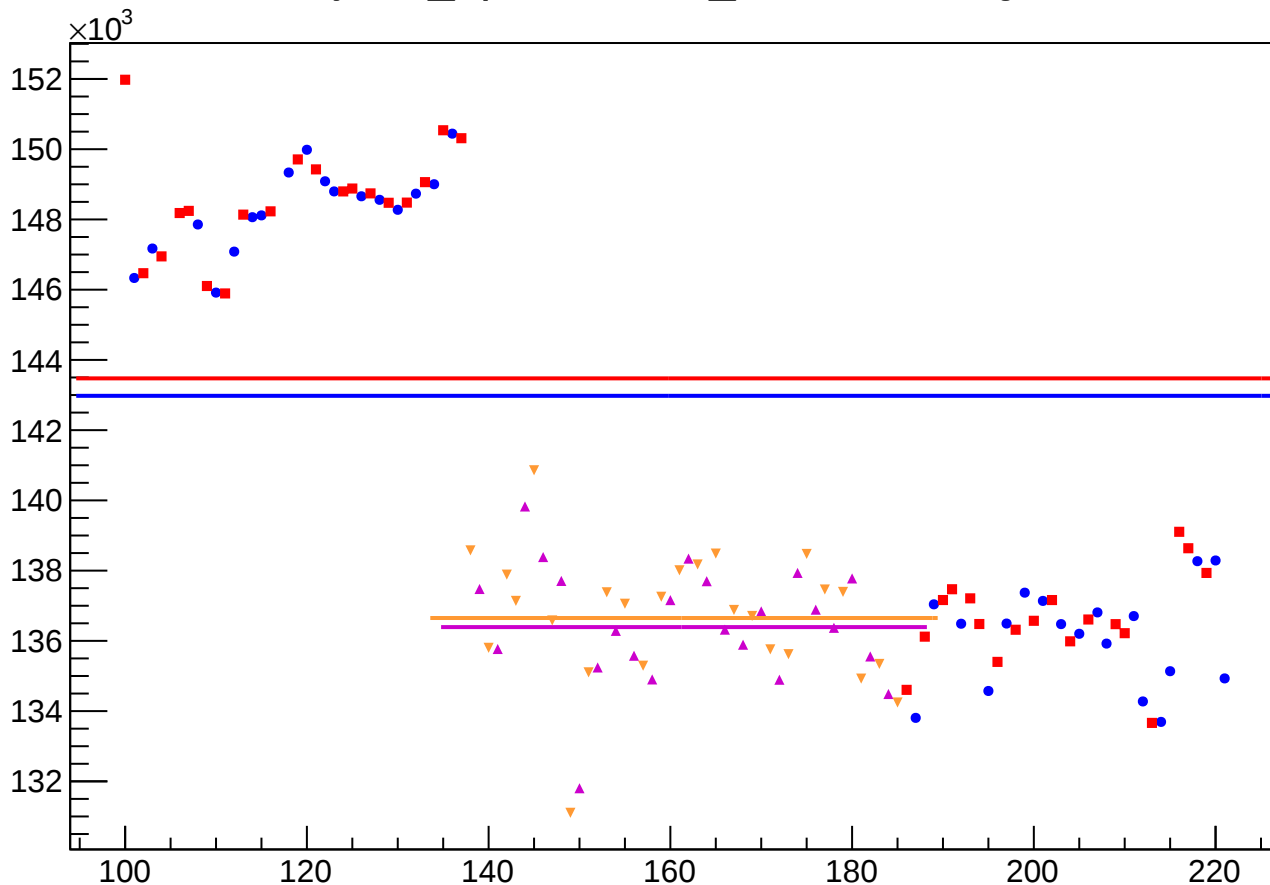
Left In: 181.596+/-0.032 χ^2/NDF :1103524.3/22

+ sign 183.689+/-0.022 χ^2/NDF : 4454785.7/59

All: 180.920+/-0.015 χ^2/NDF : 9170698.4/119

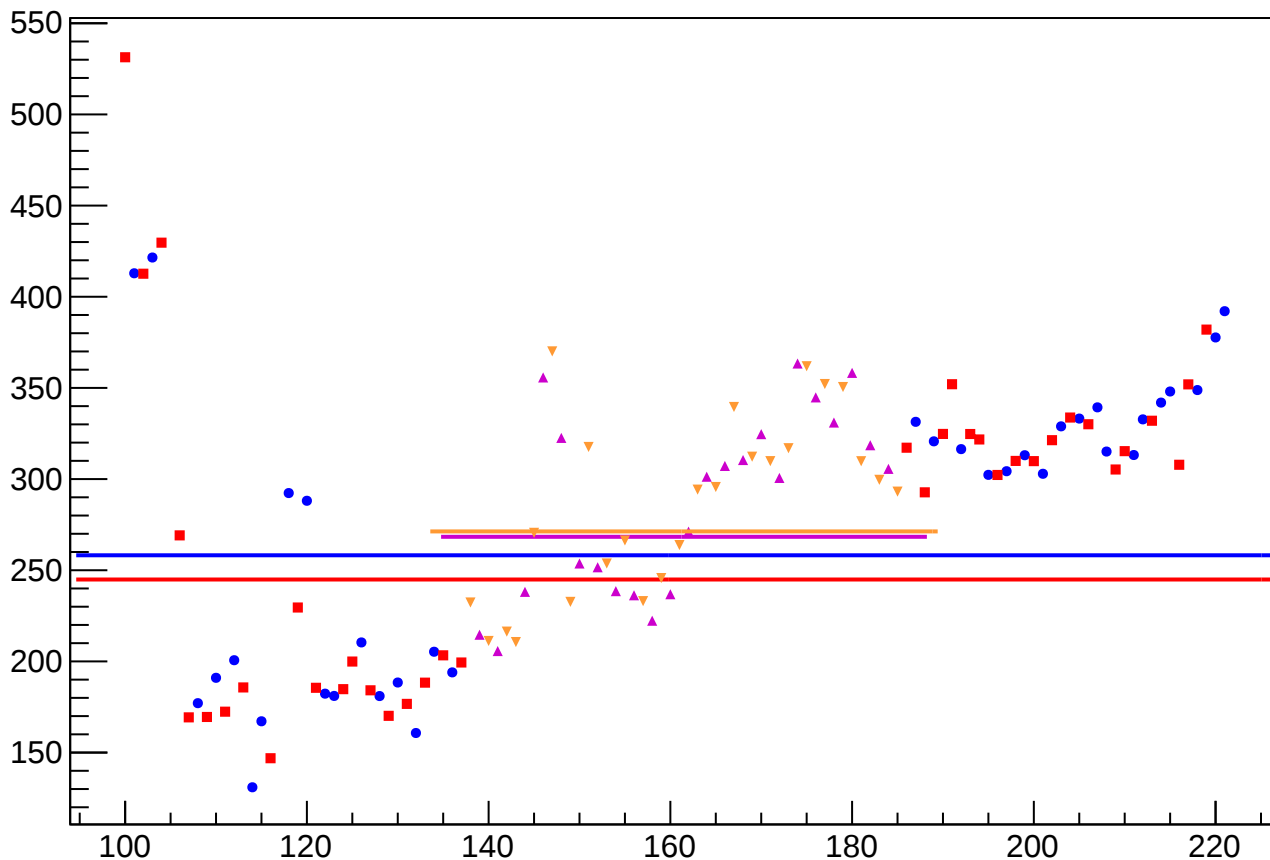
- sign 178.191+/-0.022 χ^2/NDF : 4684031.5/59

yield_bpm0l02WS_mean vs Slug



Right In: 142977.598 $\pm$ 0.061 χ^2 /NDF: 10520010428.4/34
 Left Out: 136650.935 $\pm$ 0.065 χ^2 /NDF: 930649595.5/24
 Right Out: 143474.234 $\pm$ 0.059 χ^2 /NDF: 10160020445.9/36
 Left In: 136392.188 $\pm$ 0.066 χ^2 /NDF: 701986841.4/22

yield_bpm0l02WS_rms vs Slug



Right In: 258.205+/-0.043 χ^2/NDF : 3249003.1/34

Left Out: 271.295+/-0.046 χ^2/NDF :1064485.7/24

Right Out: 244.919+/-0.041 χ^2/NDF : 3269637.2/36

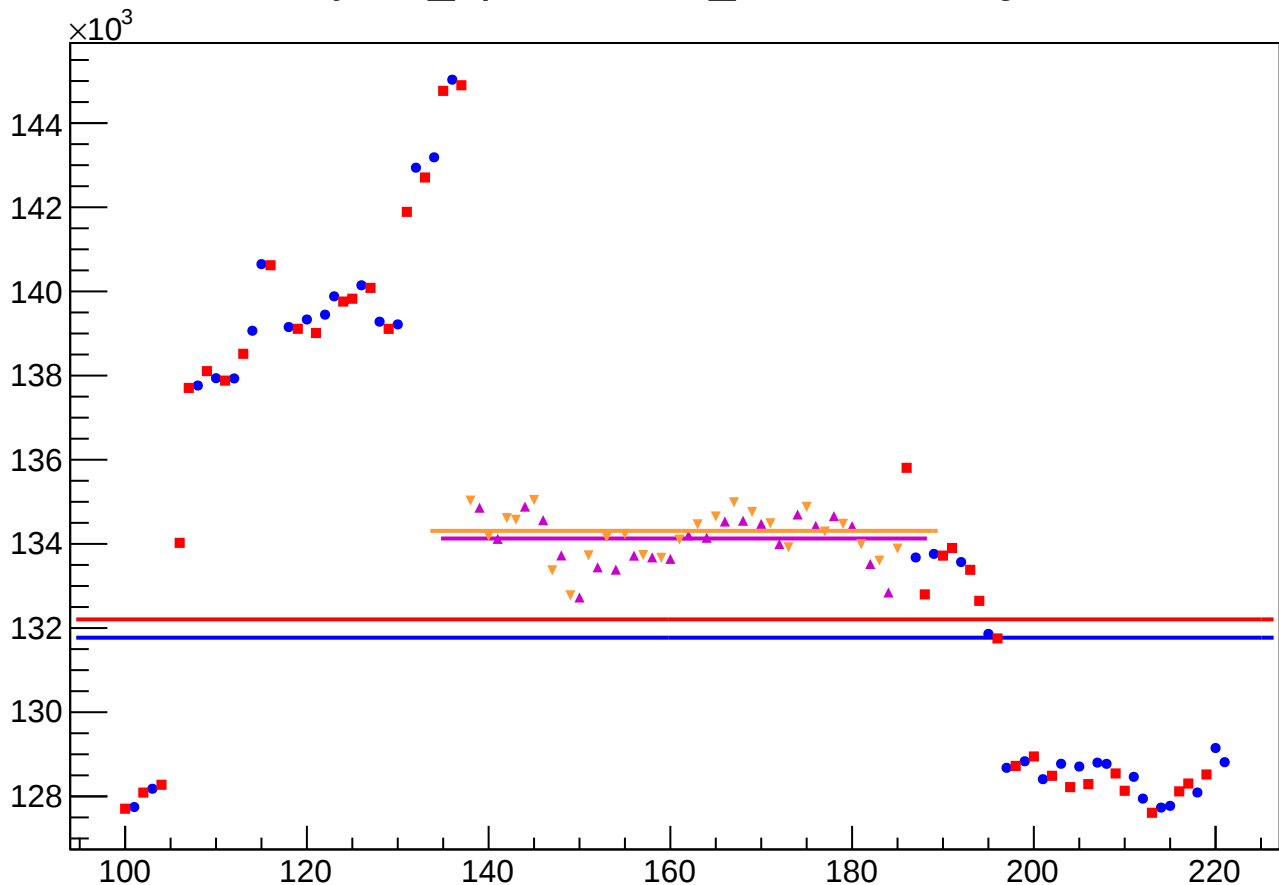
Left In: 268.344+/-0.047 χ^2/NDF :1077364.0/22

+ sign 264.373+/-0.031 χ^2/NDF : 4356881.1/59

All: 259.766+/-0.022 χ^2/NDF : 8887309.9/119

- sign 255.266+/-0.031 χ^2/NDF : 4487789.8/59

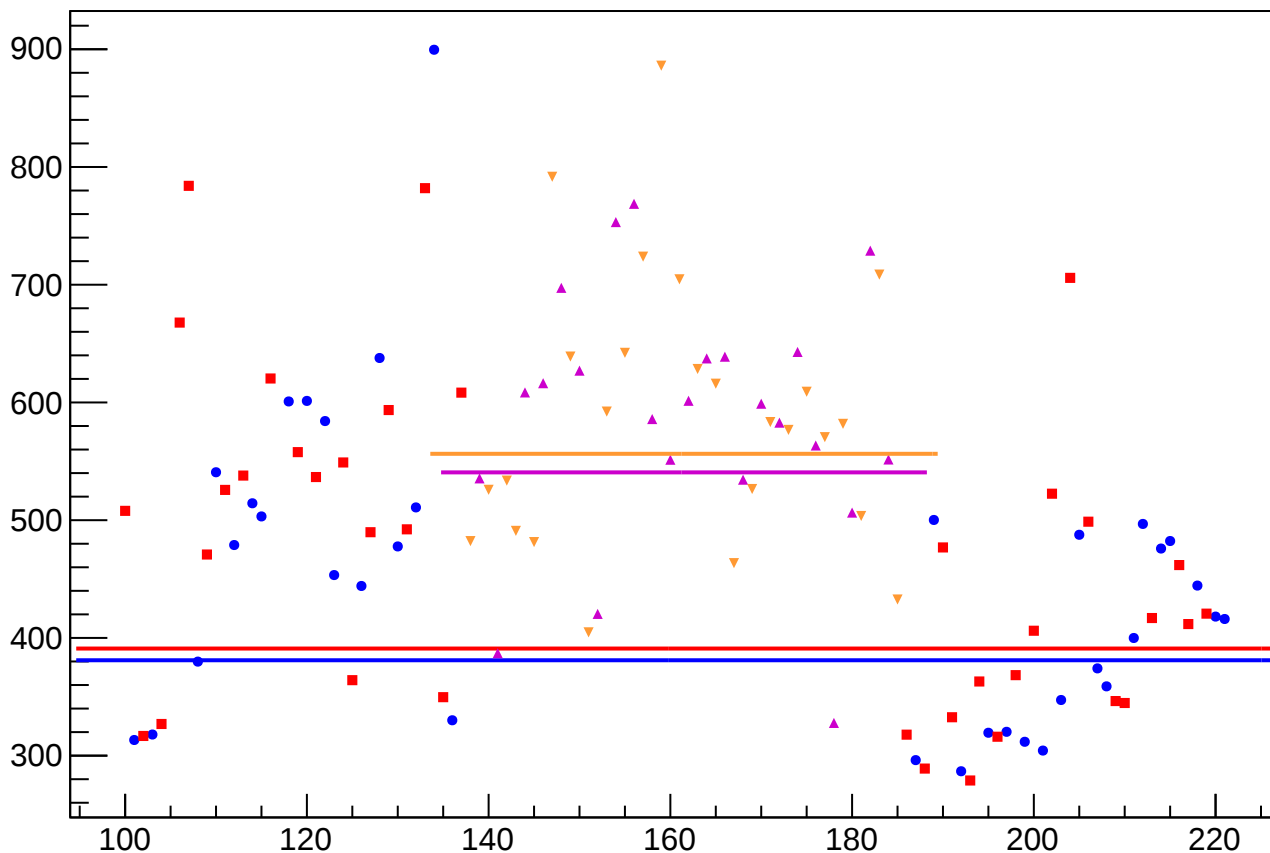
yield_bpm0l03WS_mean vs Slug



Right In: 131771.402 ± 0.096 $\chi^2/\text{NDF}: 2908867810.7/34$
 Left Out: 134310.250 ± 0.139 $\chi^2/\text{NDF}: 15518632.9/24$
 Right Out: 132206.126 ± 0.101 $\chi^2/\text{NDF}: 2109145899.7/36$
 Left In: 134128.172 ± 0.142 $\chi^2/\text{NDF}: 15533736.2/22$

+ sign 132599.881 ± 0.079 $\chi^2/\text{NDF}: 3150576897.5$
 All: 132721.316 ± 0.057 $\chi^2/\text{NDF}: 540174970$
 - sign 132852.798 ± 0.082 $\chi^2/\text{NDF}: 2246270299.9$

yield_bpm0l03WS_rms vs Slug



Right In: 381.033 $\pm$ 0.068 χ^2/NDF : 1595332.1/34

Left Out: 556.381 $\pm$ 0.098 χ^2/NDF : 1002064.0/24

Right Out: 390.981 $\pm$ 0.071 χ^2/NDF : 1978262.2/36

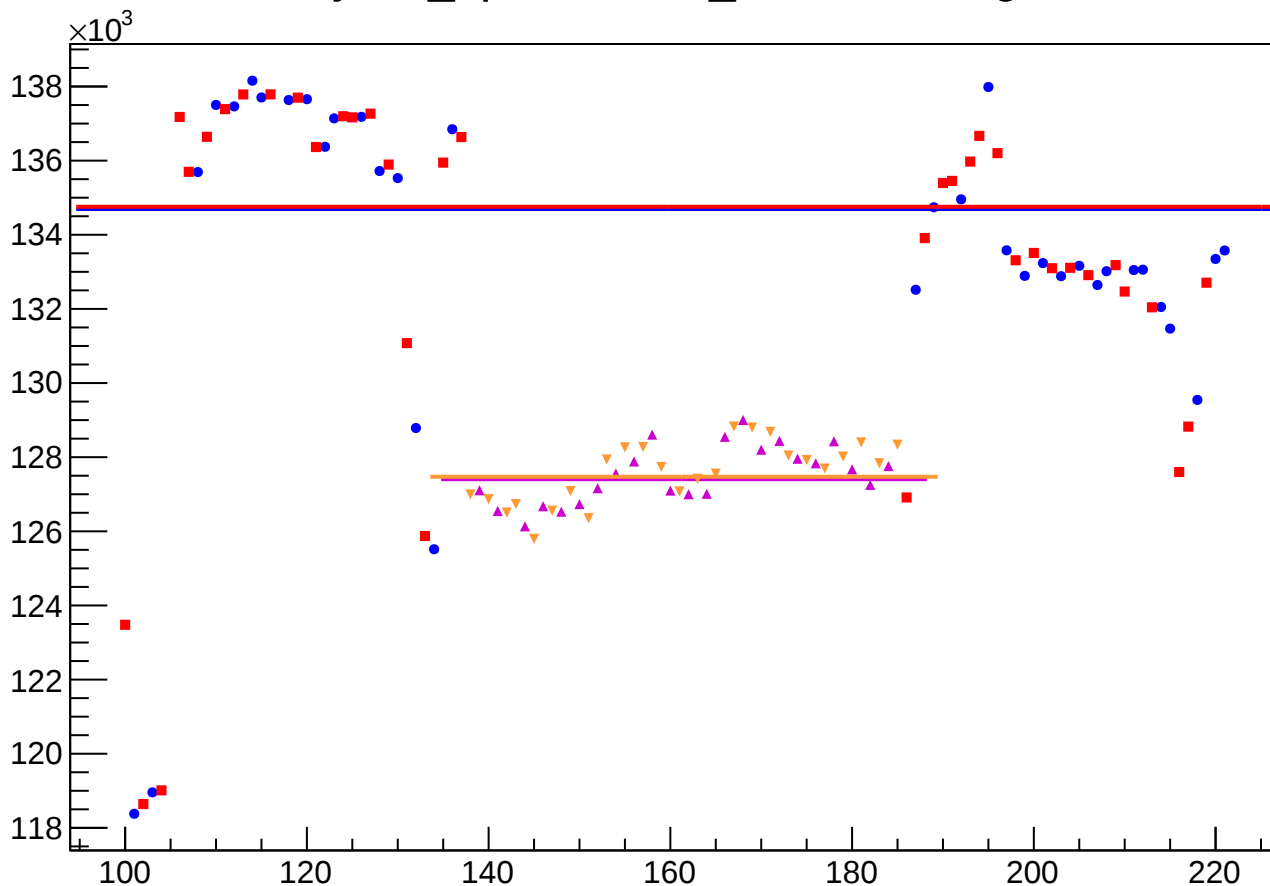
Left In: 540.607 $\pm$ 0.100 χ^2/NDF : 1409015.2/22

+ sign 438.253 $\pm$ 0.056 χ^2/NDF : 4755305.9/59

All: 439.727 $\pm$ 0.040 χ^2/NDF : 9617753.4/119

- sign 441.323 $\pm$ 0.058 χ^2/NDF : 4861003.3/59

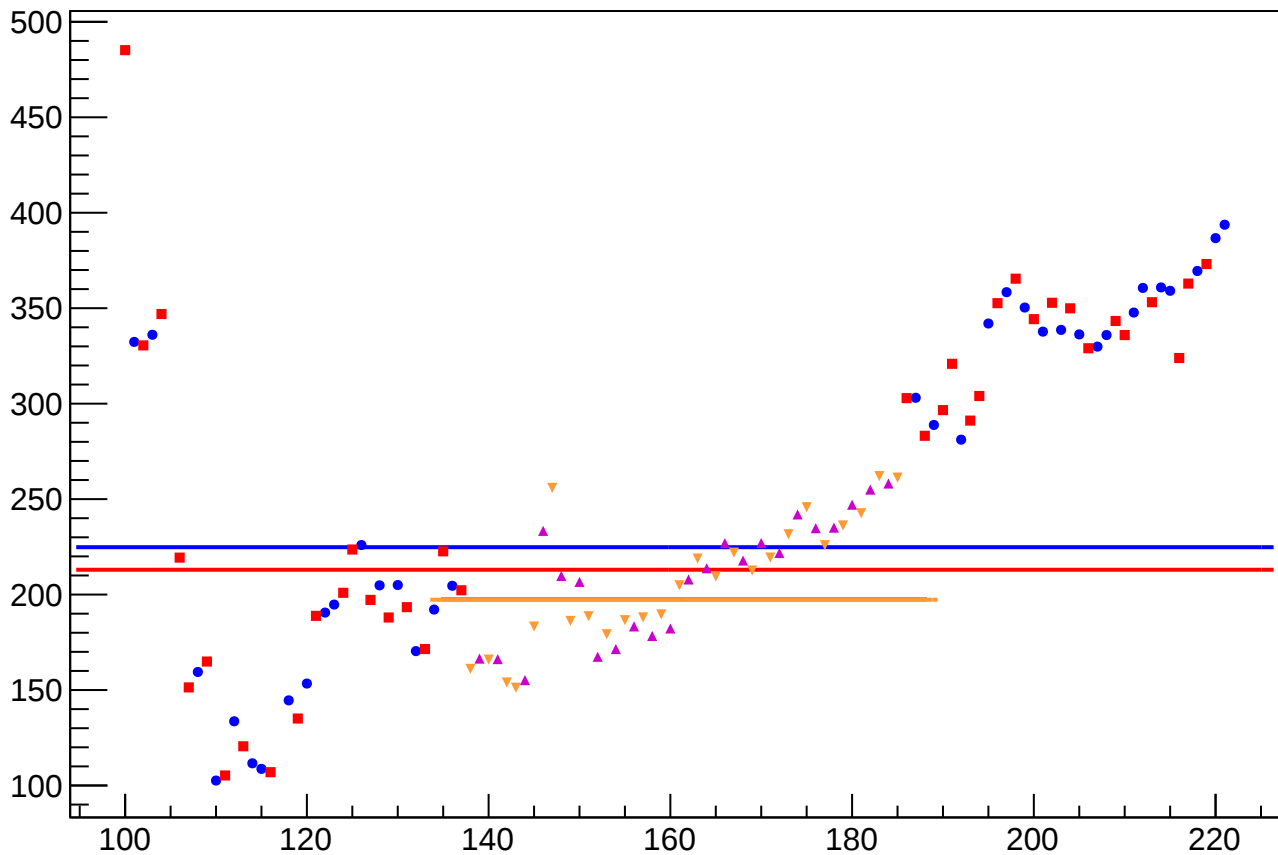
yield_bpm0l04WS_mean vs Slug



Right In: 134695.741 $\pm$ 0.055 χ^2 /NDF: 5193914045.5/34
 Left Out: 127472.525 $\pm$ 0.047 χ^2 /NDF:303609315.6/24
 Right Out: 134755.591 $\pm$ 0.053 χ^2 /NDF: 5901952812.3/36
 Left In: 127406.911 $\pm$ 0.048 χ^2 /NDF:269927988.0/22

+ sign 130482.886 $\pm$ 0.036 χ^2 /NDF: 15401805587.
 All: 130606.599 $\pm$ 0.025 χ^2 /NDF: 320392667.
 - sign 130730.379 $\pm$ 0.036 χ^2 /NDF: 16613549760.9

yield_bpm0l04WS_rms vs Slug



Right In: 224.813 $\pm$ 0.039 χ^2 /NDF: 6013430.8/34

Left Out: 197.289 $\pm$ 0.033 χ^2 /NDF: 852024.1/24

Right Out: 213.008 $\pm$ 0.038 χ^2 /NDF: 6025719.6/36

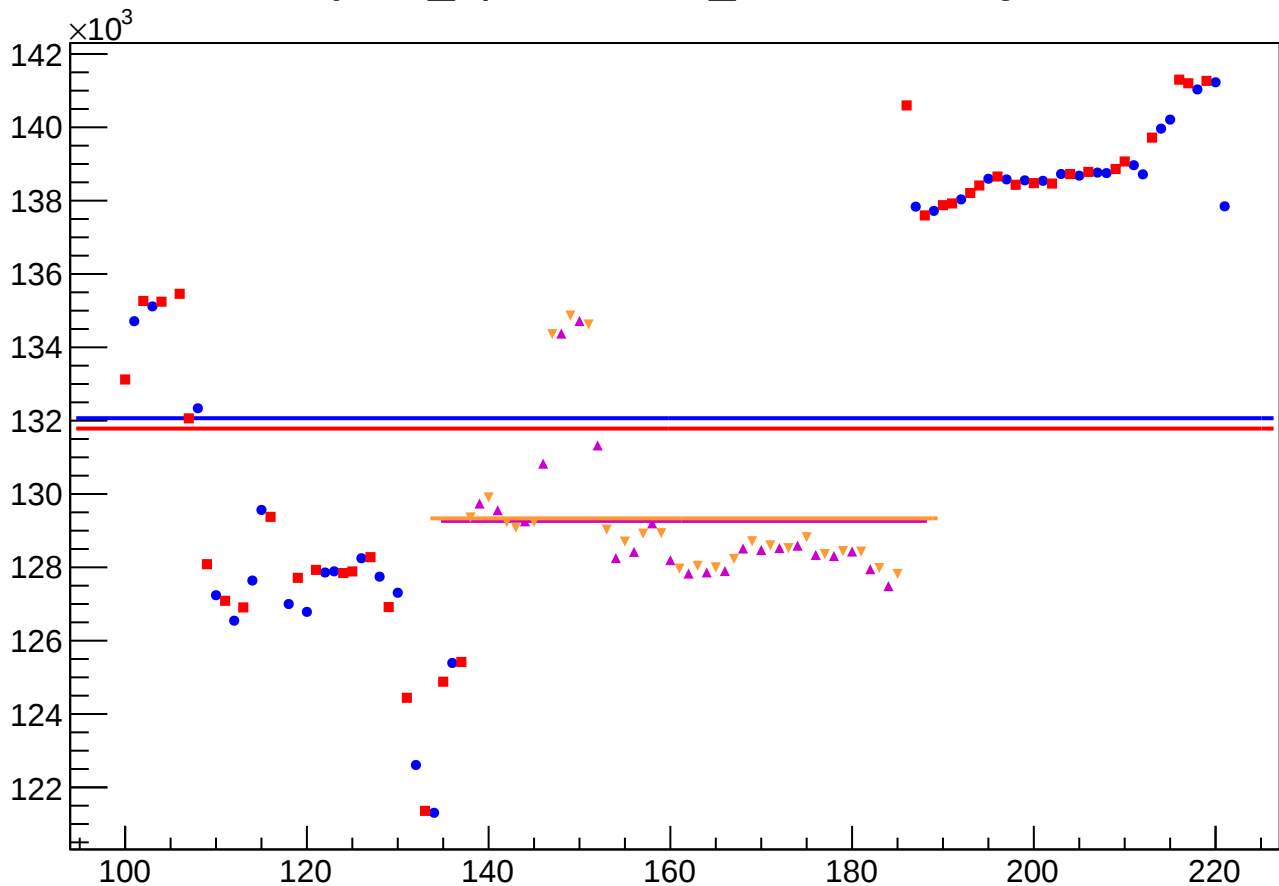
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 208.760 $\pm$ 0.025 χ^2 /NDF: 7153071.2/59

All: 206.630 $\pm$ 0.018 χ^2 /NDF: 14077907.6/1

- sign 204.498 $\pm$ 0.025 χ^2 /NDF: 6910651.9/59

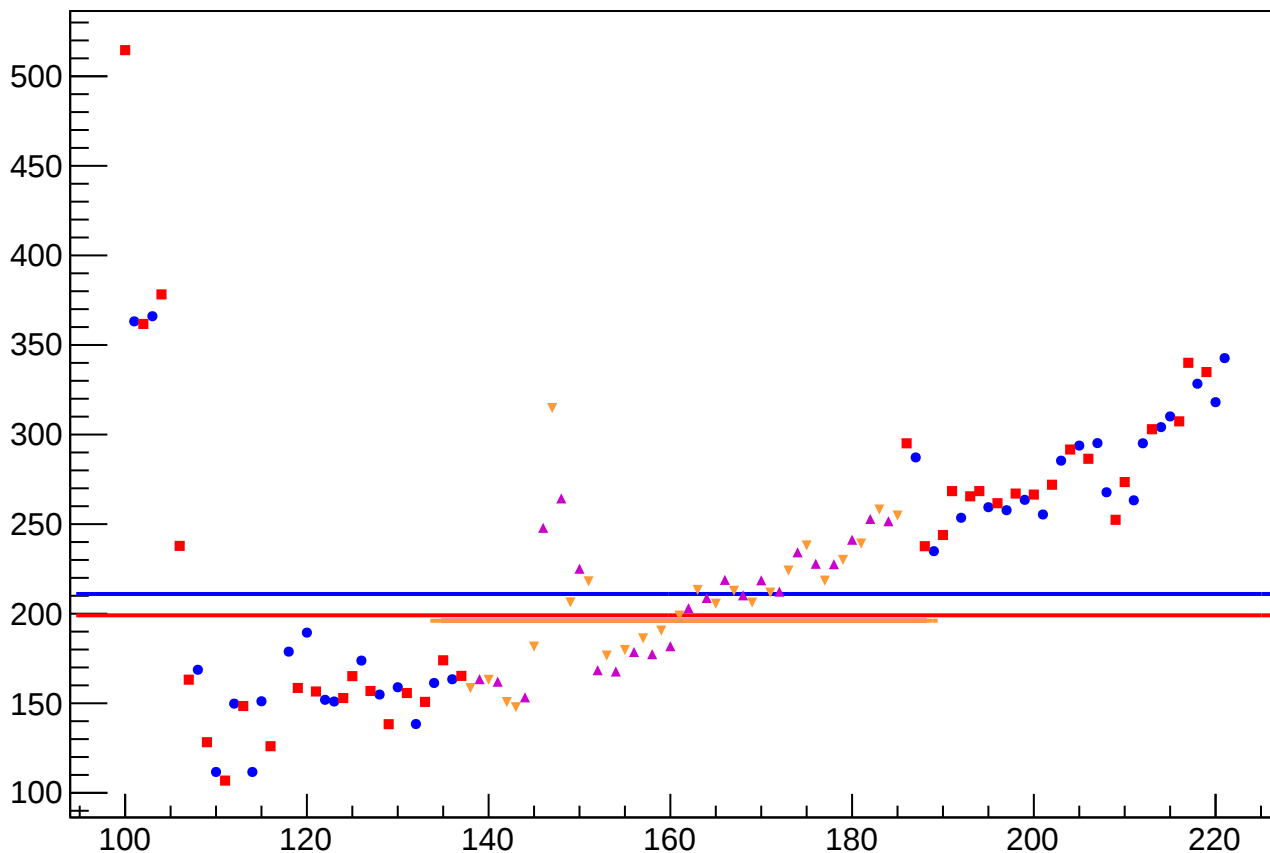
yield_bpm0l05WS_mean vs Slug



Right In: 132066.938 $\pm$ 0.050 χ^2 /NDF: 15141735279.3/34
 Left Out: 129335.946 $\pm$ 0.047 χ^2 /NDF: 1450933621.0/24
 Right Out: 131784.076 $\pm$ 0.049 χ^2 /NDF: 15446406356.5/36
 Left In: 129266.909 $\pm$ 0.048 χ^2 /NDF: 1213762773.1/22

+ sign 130596.005 $\pm$ 0.034 χ^2 /NDF: 18168735328.
 All: 130555.750 $\pm$ 0.024 χ^2 /NDF: 361872990.
 - sign 130515.757 $\pm$ 0.034 χ^2 /NDF: 18015817497.1

yield_bpm0l05WS_rms vs Slug



Right In: 211.014+/-0.036 χ^2/NDF : 3928657.5/34

Left Out: 196.077+/-0.033 χ^2/NDF : 975710.9/24

Right Out: 199.091+/-0.034 χ^2/NDF : 4337355.3/36

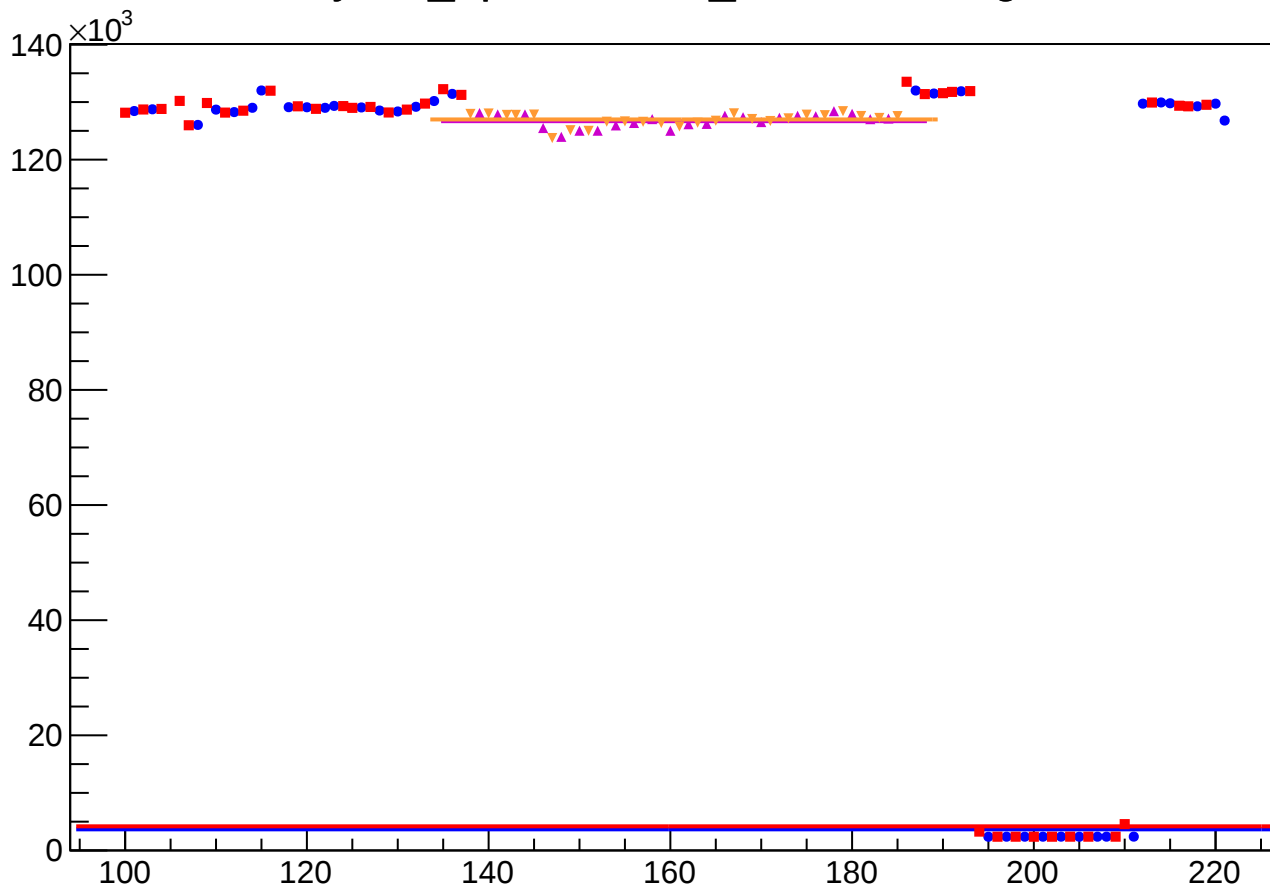
Left In: 196.186+/-0.034 χ^2/NDF : 898058.0/22

+ sign 202.969+/-0.024 χ^2/NDF : 4998665.2/59

All: 200.289+/-0.017 χ^2/NDF : 10262034.1/11

- sign 197.627+/-0.024 χ^2/NDF : 5239023.3/59

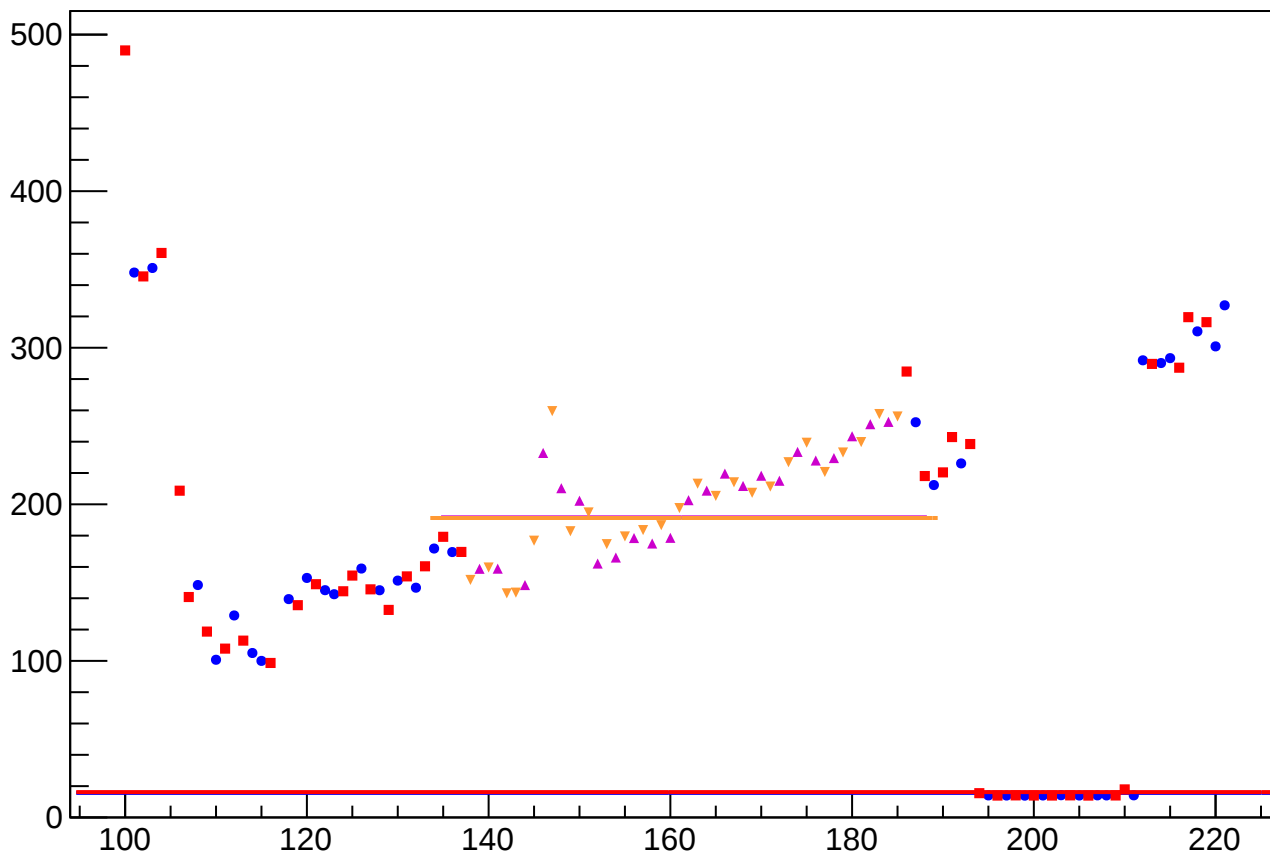
yield_bpm0l06WS_mean vs Slug



Right In: 3667.740 ± 0.005 $\chi^2/\text{NDF}: 5689295007252.8/34$
 Left Out: 126981.724 ± 0.046 $\chi^2/\text{NDF}: 530573115.8/24$
 Right Out: 4191.175 ± 0.006 $\chi^2/\text{NDF}: 6318132932848.7/36$
 Left In: 126682.659 ± 0.047 $\chi^2/\text{NDF}: 660415880.0/22$

+ sign 5322.824 ± 0.005 $\chi^2/\text{NDF}: 12929211805113$
 All: 5655.350 ± 0.004 $\chi^2/\text{NDF}: 25947632010$
 - sign 6057.641 ± 0.006 $\chi^2/\text{NDF}: 13009635165341$

yield_bpm0l06WS_rms vs Slug



Right In: 15.680 ± 0.004 $\chi^2/\text{NDF}: 21671903.1/34$

Left Out: 191.263 ± 0.032 $\chi^2/\text{NDF}: 992566.2/24$

Right Out: 16.193 ± 0.004 $\chi^2/\text{NDF}: 20906074.0/36$

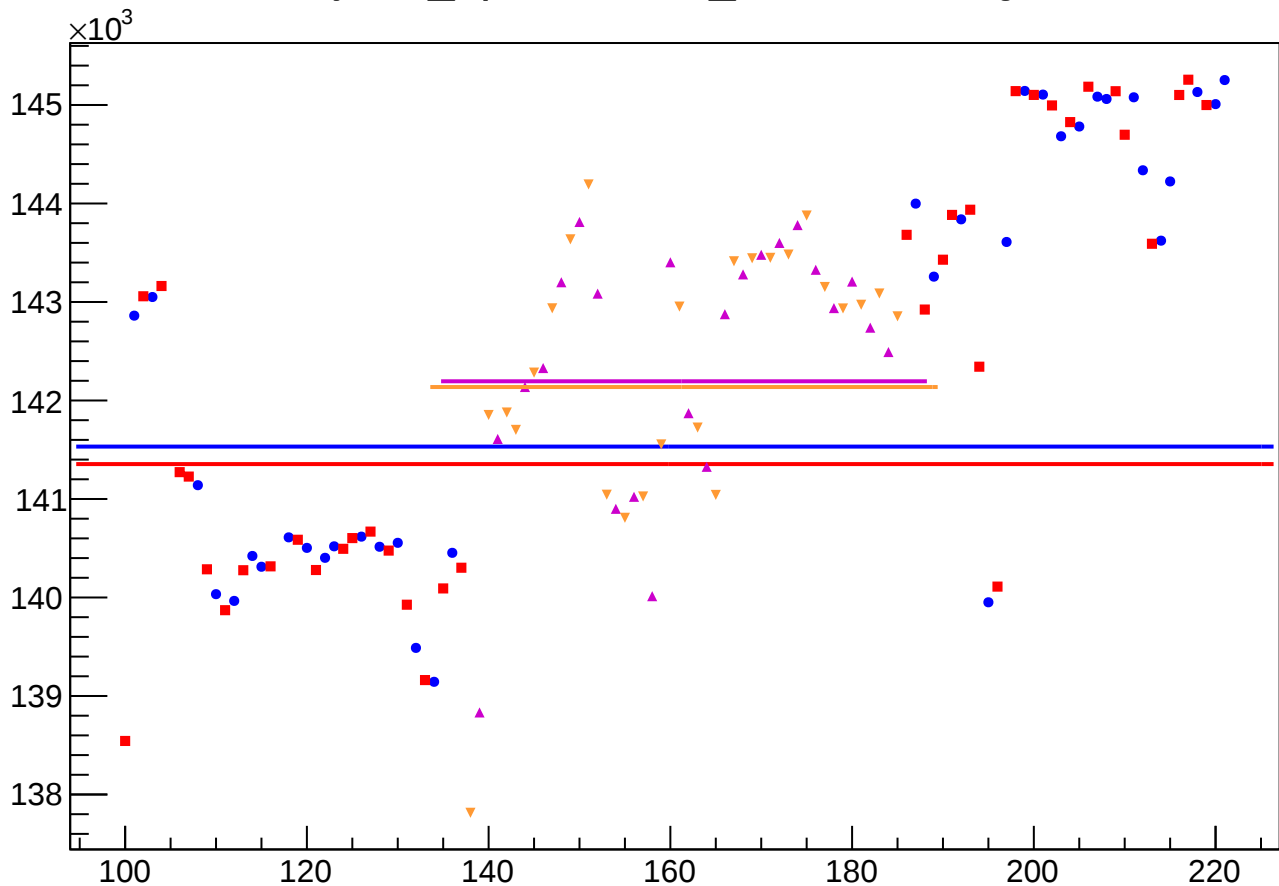
Left In: 191.683 ± 0.033 $\chi^2/\text{NDF}: 864384.9/22$

+ sign 18.036 ± 0.004 $\chi^2/\text{NDF}: 52018899.6/59$

All: 18.412 ± 0.003 $\chi^2/\text{NDF}: 101278265.8/11$

- sign 18.867 ± 0.004 $\chi^2/\text{NDF}: 49236927.6/59$

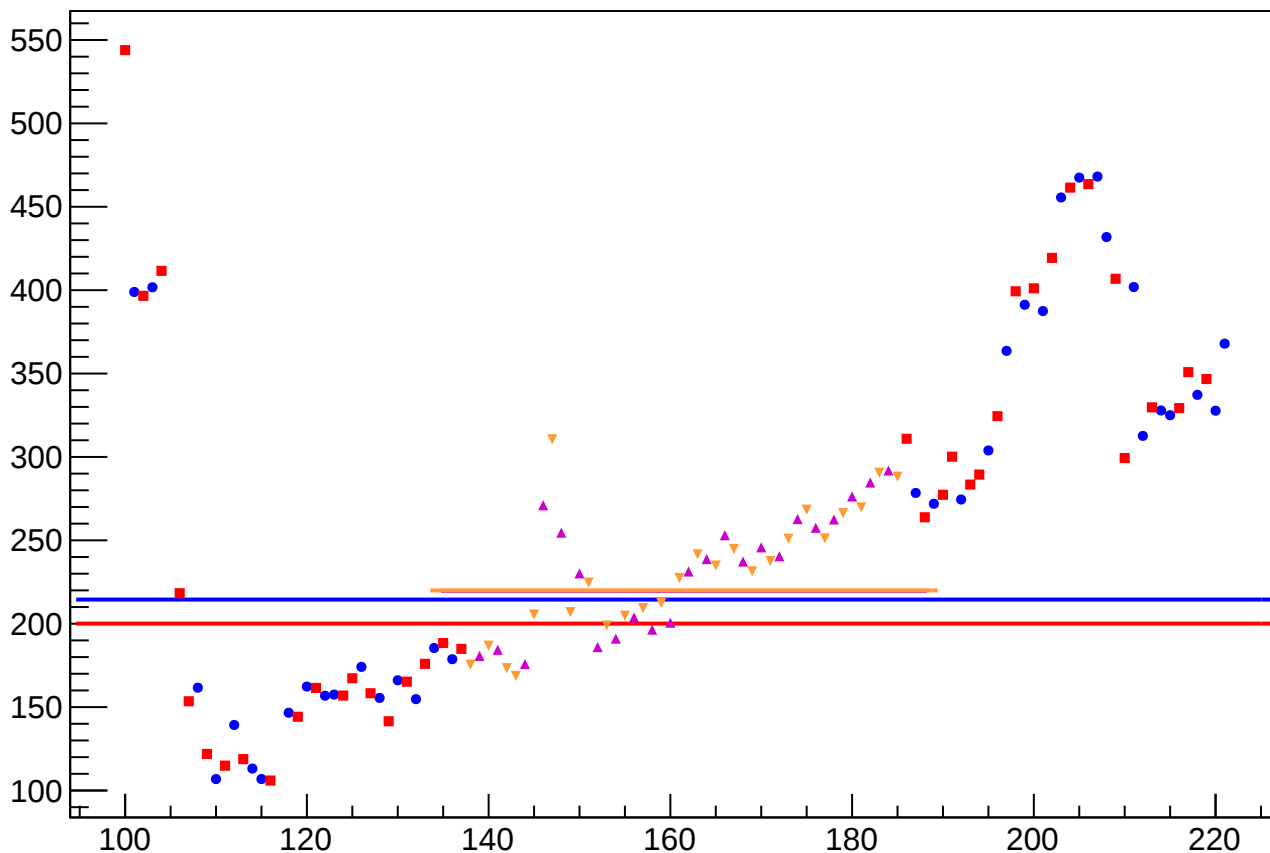
yield_bpm0l07WS_mean vs Slug



Right In: 141532.039 $\pm$ 0.054 χ^2 /NDF: 1302898487.7/34
 Left Out: 142136.579 $\pm$ 0.052 χ^2 /NDF: 815573343.0/24
 Right Out: 141354.339 $\pm$ 0.051 χ^2 /NDF: 1272110316.7/36
 Left In: 142195.020 $\pm$ 0.054 χ^2 /NDF: 644030906.9/22

+ sign 141842.130 $\pm$ 0.037 χ^2 /NDF: 2183486250.0
 All: 141795.653 $\pm$ 0.026 χ^2 /NDF: 423149664
 - sign 141750.418 $\pm$ 0.037 χ^2 /NDF: 2044975259.6

yield_bpm0l07WS_rms vs Slug



Right In: 214.490+/-0.038 χ^2/NDF : 7179111.2/34

Left Out: 219.969+/-0.037 χ^2/NDF : 866616.3/24

Right Out: 200.072+/-0.036 χ^2/NDF : 7256394.3/36

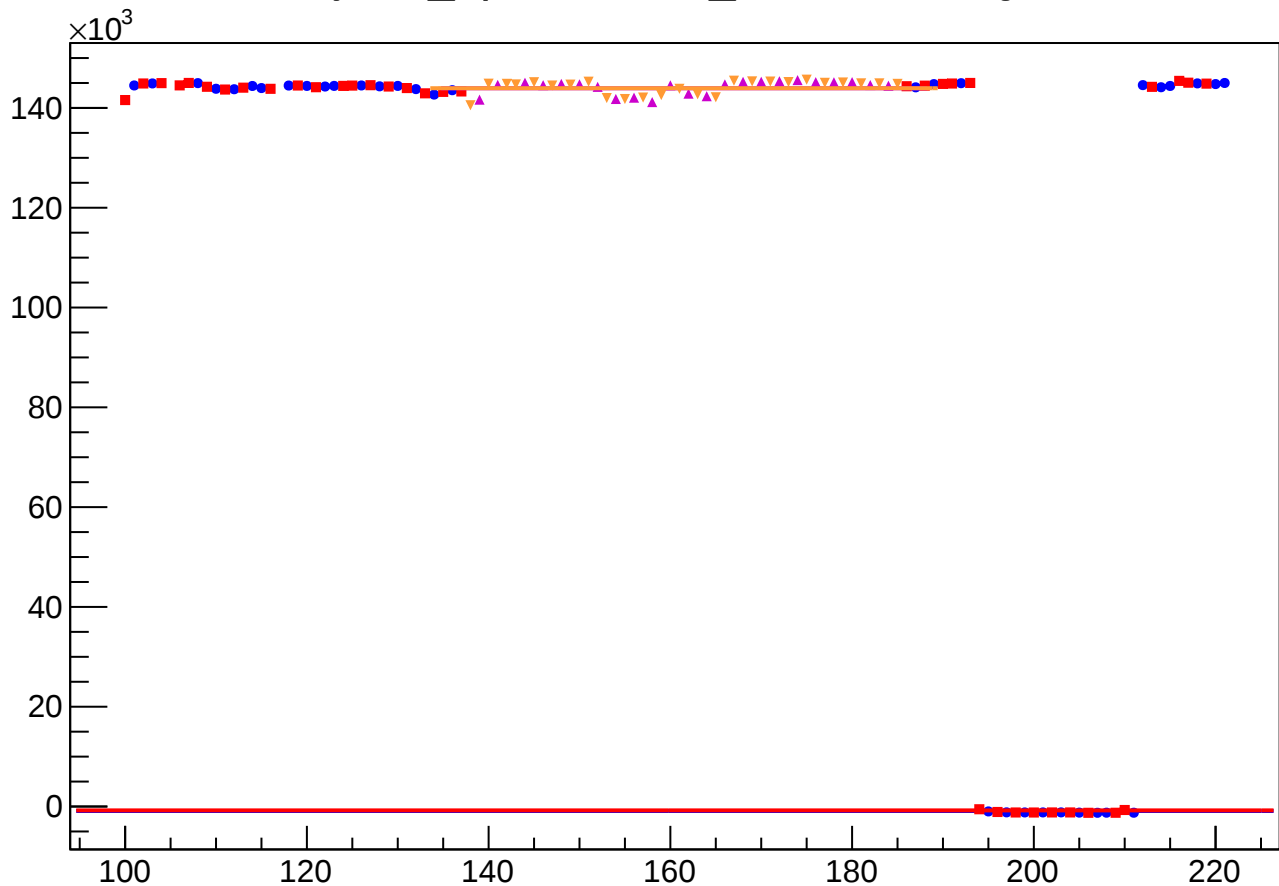
Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

+ sign 217.301+/-0.026 χ^2/NDF : 8056406.9/59

All: 213.252+/-0.019 χ^2/NDF : 16311845.5/11

- sign 209.312+/-0.026 χ^2/NDF : 8209382.2/59

yield_bpm0l08WS_mean vs Slug



Right In: -898.504 ± 0.003 χ^2/NDF : 6182678808711.6/34

Left Out: 143951.284 ± 0.052 χ^2/NDF : 864679545.2/24

Right Out: -776.371 ± 0.003 χ^2/NDF : 6957198955886.6/36

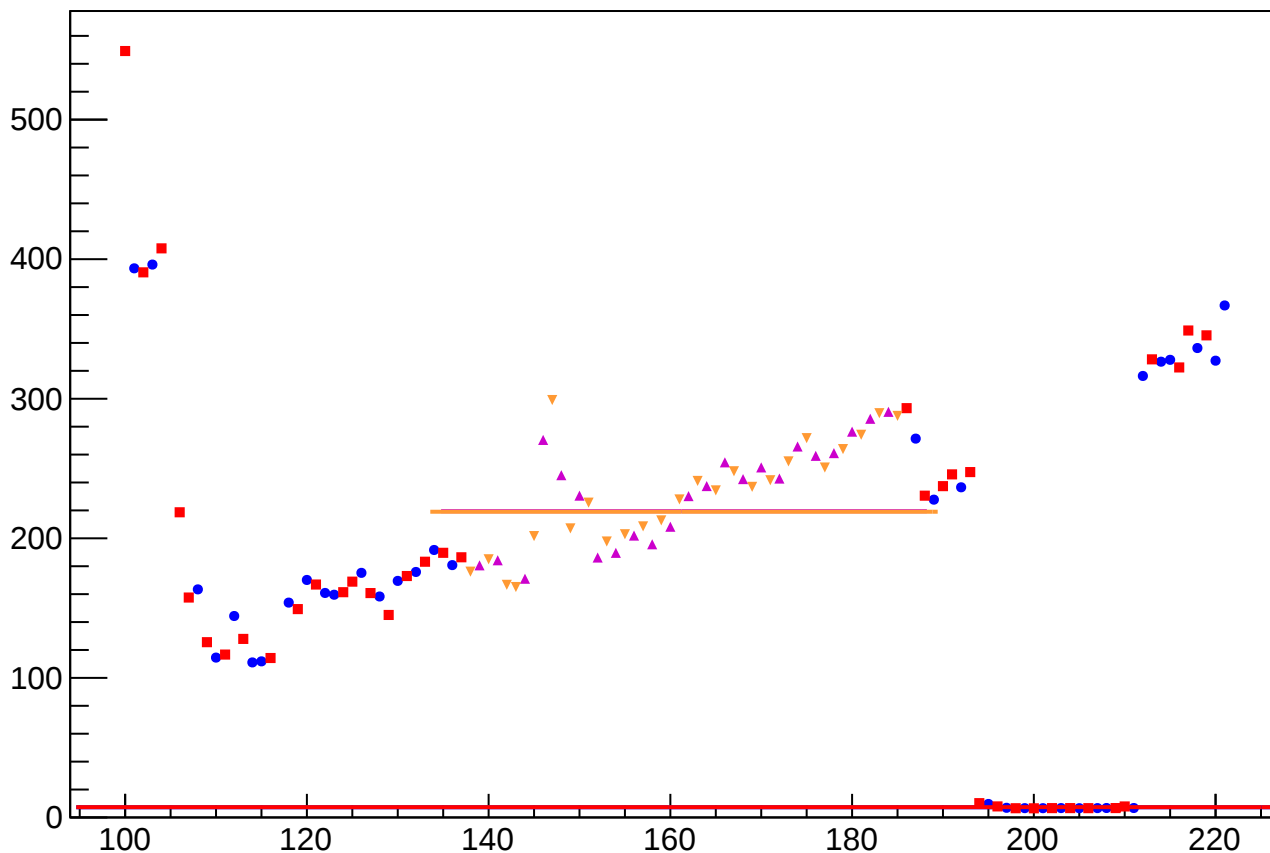
Left In: 143938.288 ± 0.054 χ^2/NDF : 719814685.6/22

+ sign -529.268 ± 0.003 χ^2/NDF : 13882949526172

All: -452.273 ± 0.002 χ^2/NDF : 28046240817

- sign -359.472 ± 0.003 χ^2/NDF : 14161404469940

yield_bpm0l08WS_rms vs Slug



Right In: 7.286 ± 0.002 χ^2/NDF : 23825490.5/34

Left Out: 219.050 ± 0.037 χ^2/NDF : 934417.6/24

Right Out: 7.375 ± 0.002 χ^2/NDF : 23134895.2/36

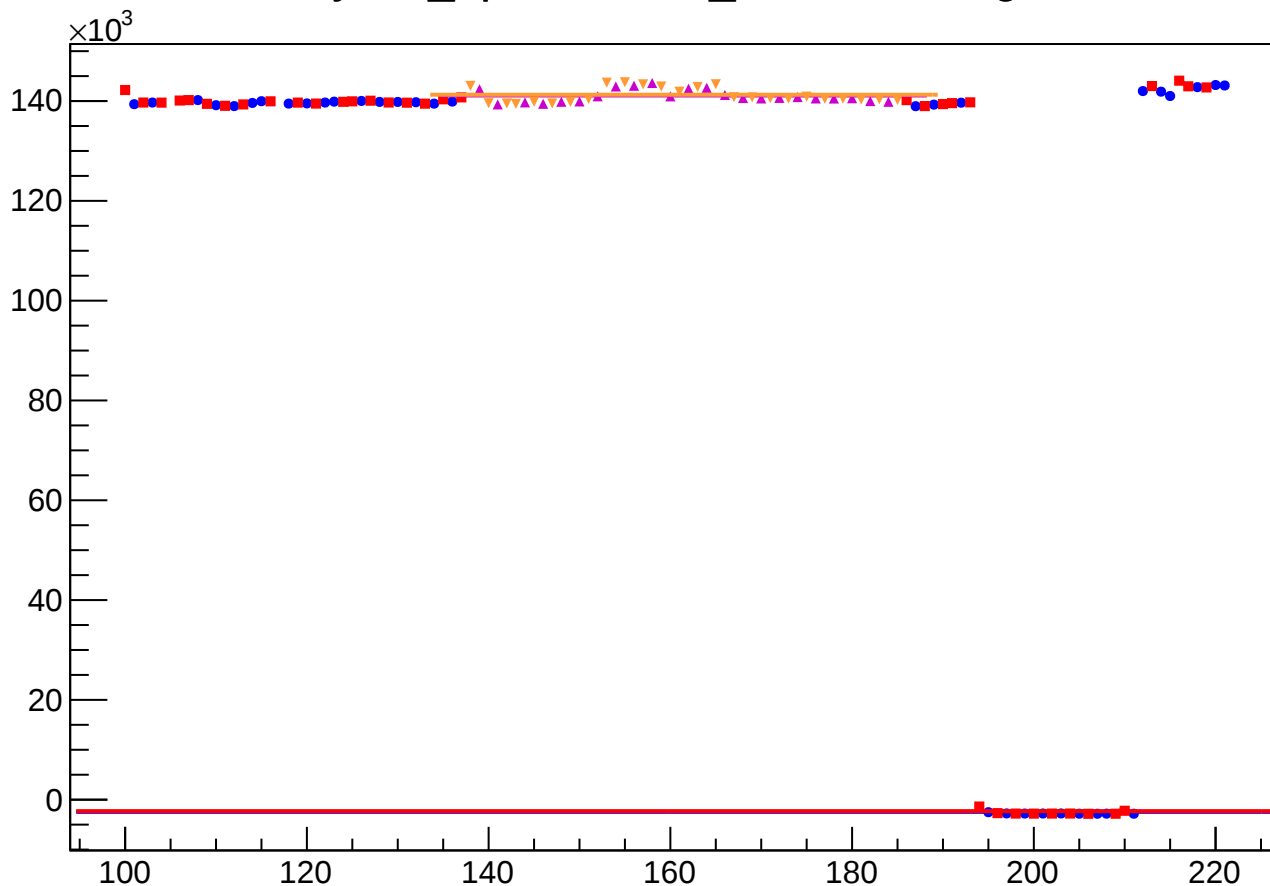
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 7.826 ± 0.002 χ^2/NDF : 57671799.4/59

All: 7.898 ± 0.001 χ^2/NDF : 112593604.8/119

- sign 7.985 ± 0.002 χ^2/NDF : 54918486.3/59

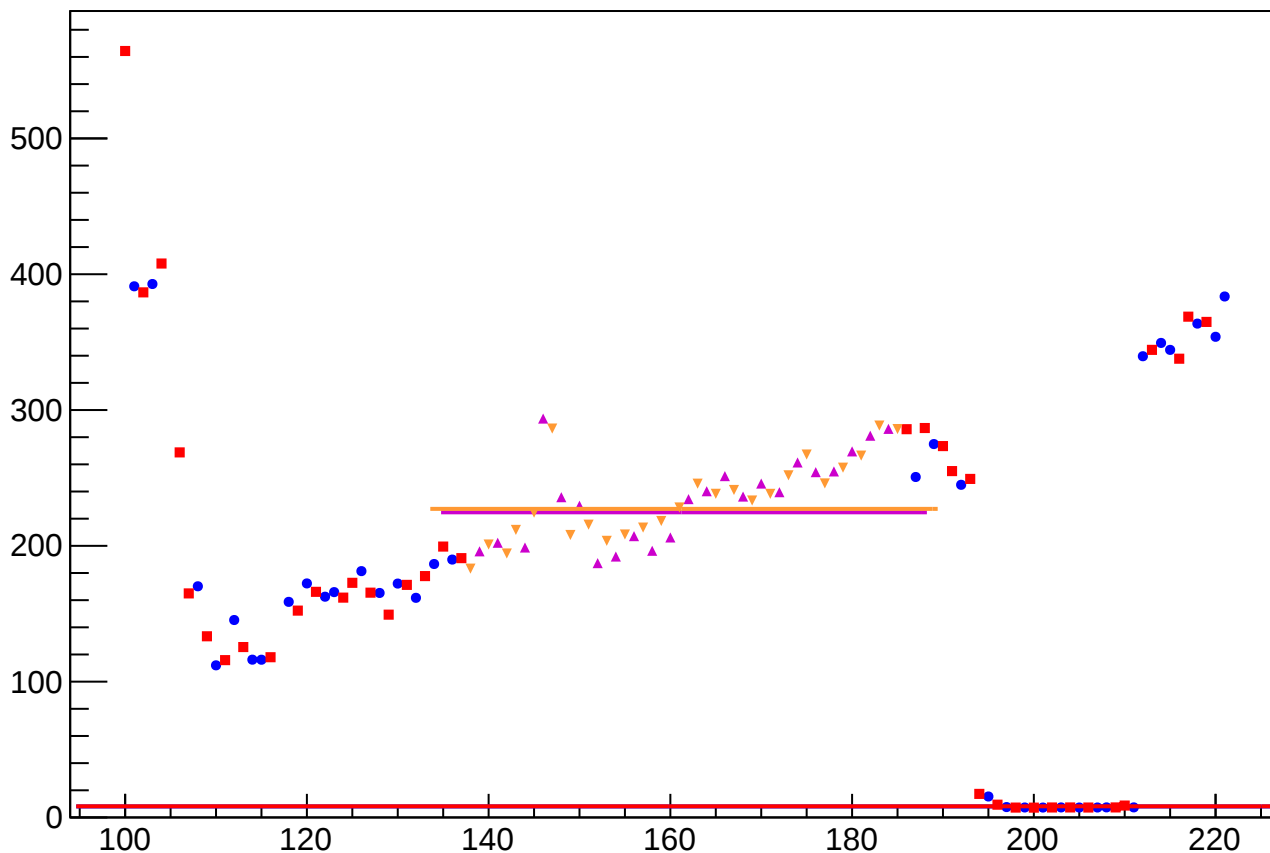
yield_bpm0l09WS_mean vs Slug



Right In: -2435.681 ± 0.003 $\chi^2/\text{NDF}: 5634247299933.8/34$
 Left Out: 141268.791 ± 0.054 $\chi^2/\text{NDF}: 795989244.2/24$
 Right Out: -2300.665 ± 0.003 $\chi^2/\text{NDF}: 6290187735953.1/36$
 Left In: 141119.484 ± 0.055 $\chi^2/\text{NDF}: 565312728.1/22$

+ sign -2003.479 ± 0.003 $\chi^2/\text{NDF}: 1277507895100$
 All: -1912.739 ± 0.002 $\chi^2/\text{NDF}: 2586512670$
 - sign -1803.325 ± 0.003 $\chi^2/\text{NDF}: 1308795357853$

yield_bpm0l09WS_rms vs Slug



Right In: 8.092 ± 0.002 χ^2/NDF : 23957229.4/34

Left Out: 227.224 ± 0.038 χ^2/NDF : 484955.3/24

Right Out: 8.208 ± 0.002 χ^2/NDF : 23156399.9/36

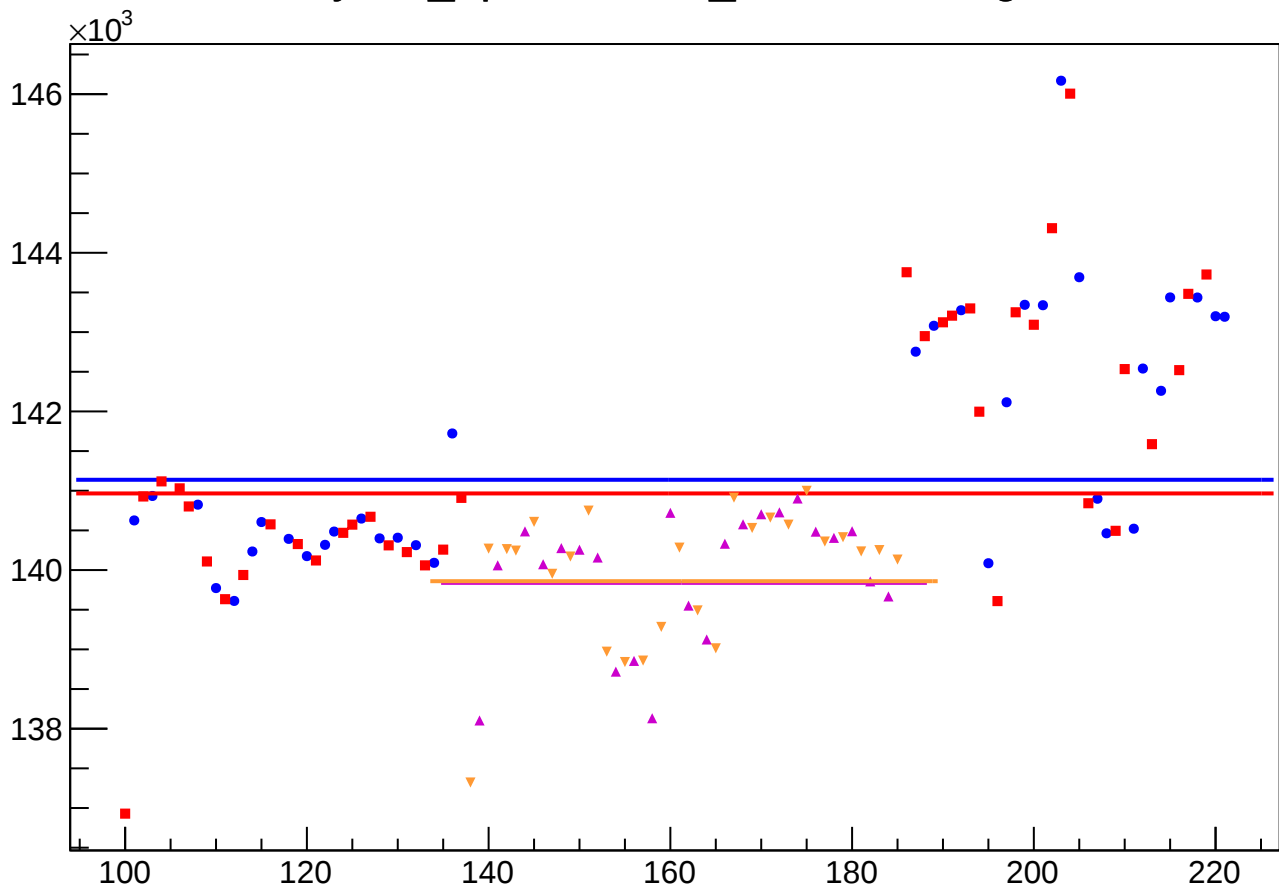
Left In: 224.686 ± 0.039 χ^2/NDF : 578366.0/22

+ sign 8.751 ± 0.002 χ^2/NDF : 57647094.4/59

All: 8.845 ± 0.002 χ^2/NDF : 112358304.2/119

- sign 8.959 ± 0.002 χ^2/NDF : 54706687.6/59

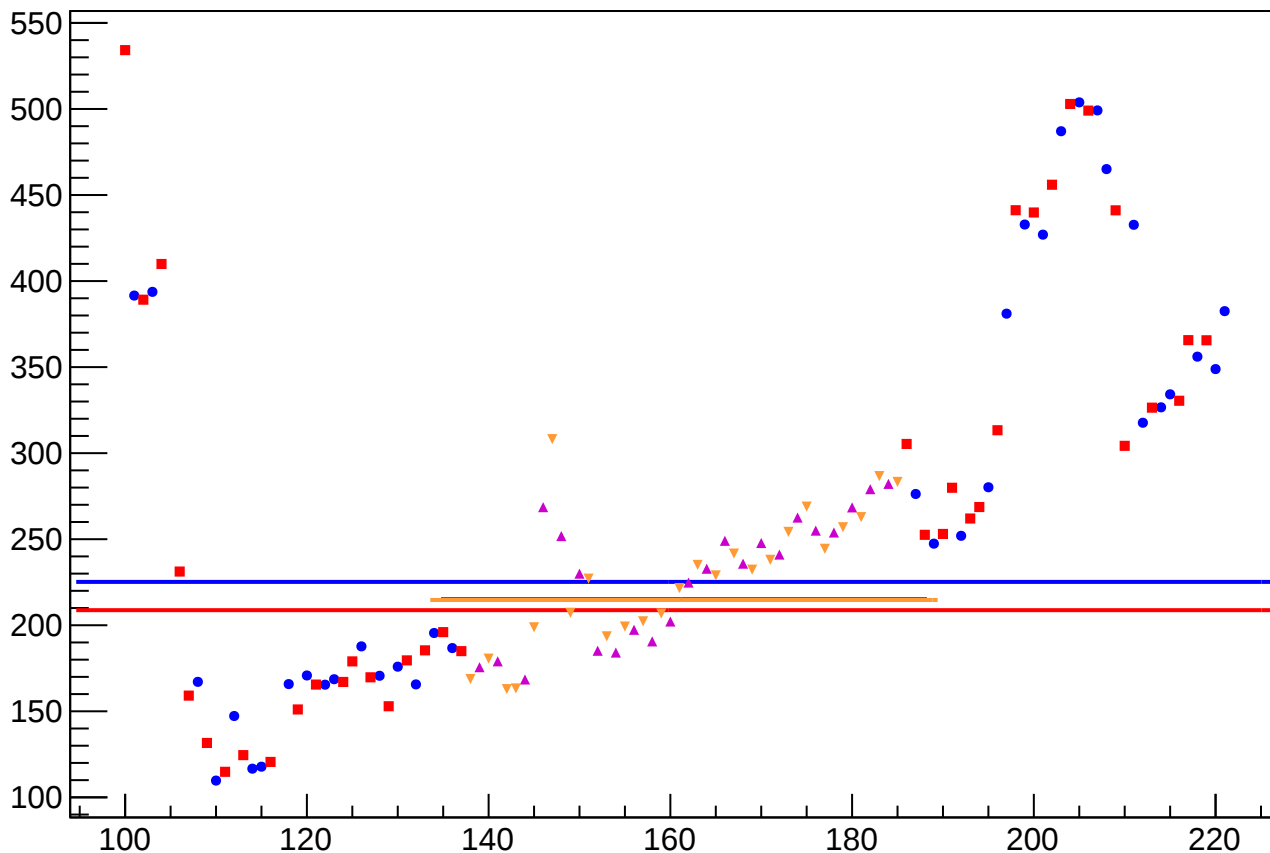
yield_bpm0l10WS_mean vs Slug



Right In: 141138.201 ± 0.056 $\chi^2/\text{NDF}: 589520277.8/34$
 Left Out: 139859.696 ± 0.051 $\chi^2/\text{NDF}: 330118281.5/24$
 Right Out: 140966.034 ± 0.053 $\chi^2/\text{NDF}: 631320388.6/36$
 Left In: 139838.724 ± 0.053 $\chi^2/\text{NDF}: 279573689.3/22$

+ sign 140438.415 ± 0.038 $\chi^2/\text{NDF}: 1203025093.4$
 All: 140420.417 ± 0.027 $\chi^2/\text{NDF}: 23425031$
 - sign 140402.877 ± 0.037 $\chi^2/\text{NDF}: 1139030432.3/$

yield_bpm0l10WS_rms vs Slug



Right In: 225.194 $\pm$ 0.040 χ^2 /NDF: 6863251.0/34

Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF: 981105.5/24

Right Out: 208.764 $\pm$ 0.037 χ^2 /NDF: 6839937.7/36

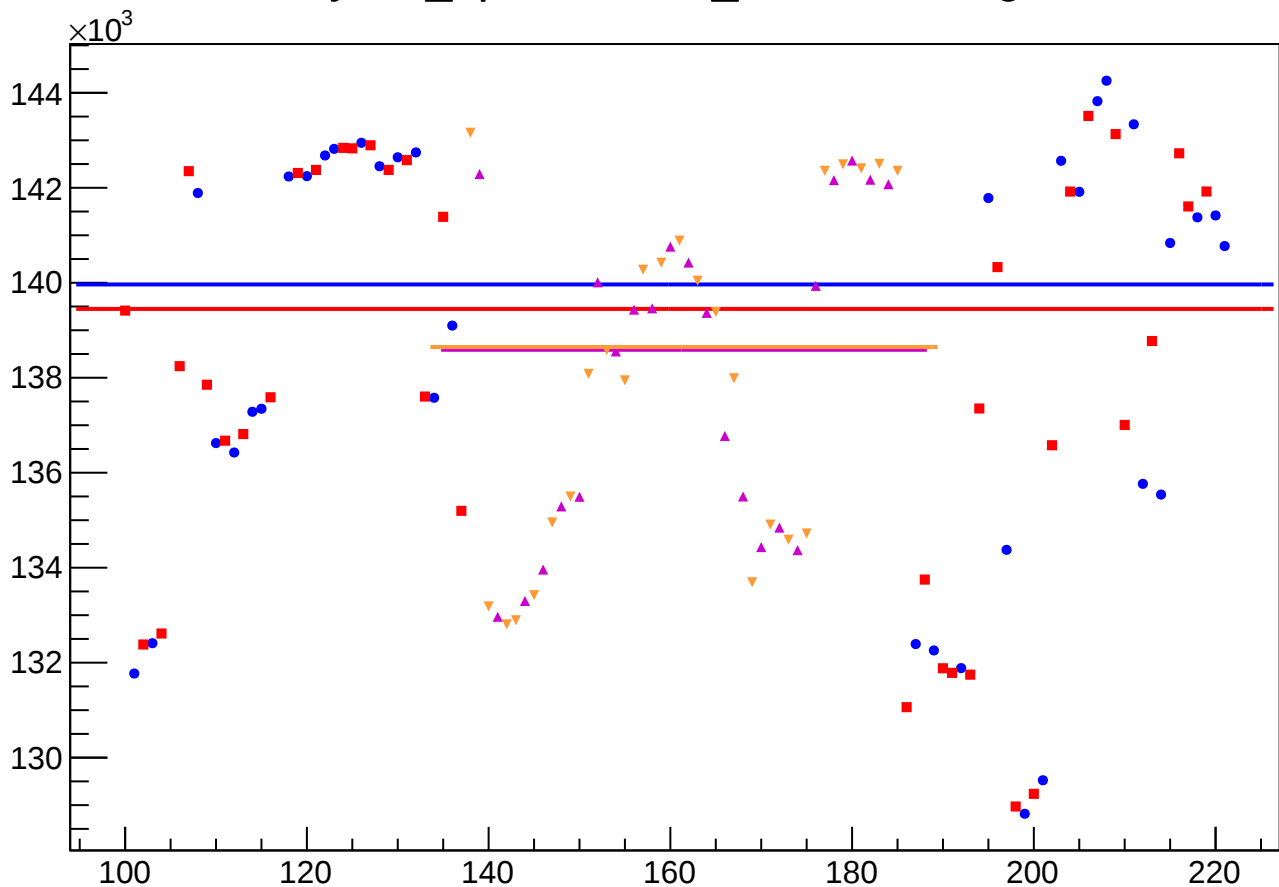
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 219.446 $\pm$ 0.027 χ^2 /NDF: 7882595.1/59

All: 215.670 $\pm$ 0.019 χ^2 /NDF: 15658859.3/1

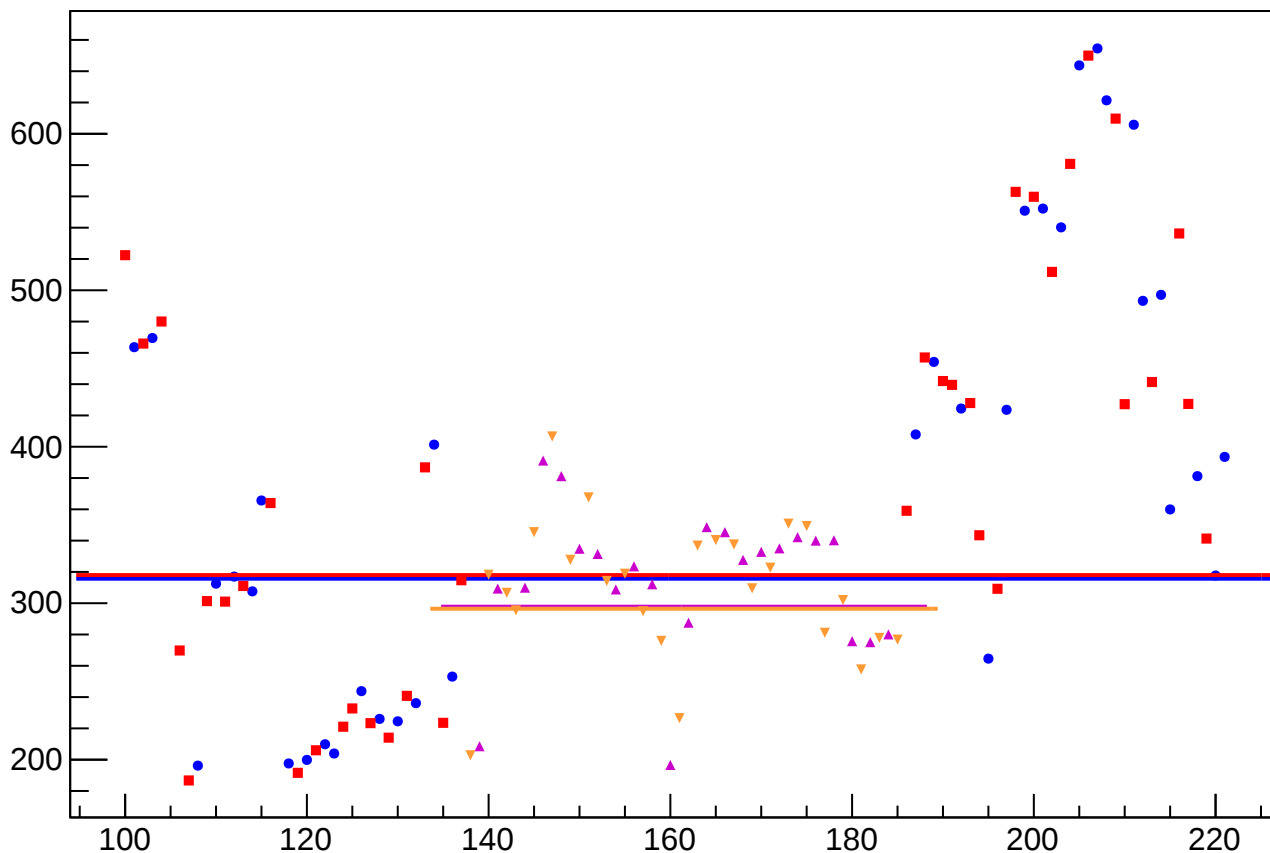
- sign 211.990 $\pm$ 0.026 χ^2 /NDF: 7736857.1/59

yield_bpm0r03WS_mean vs Slug



Right In: 139964.571 $\pm$ 0.077 χ^2/NDF : 2425771839.9/34
 Left Out: 138646.366 $\pm$ 0.071 χ^2/NDF : 2548637600.4/24
 Right Out: 139449.438 $\pm$ 0.078 χ^2/NDF : 2527691371.9/36
 Left In: 138588.711 $\pm$ 0.074 χ^2/NDF : 1948065195.1/22

yield_bpm0r03WS_rms vs Slug



Right In: 315.672 ± 0.055 $\chi^2/\text{NDF}: 5092527.7/34$

Left Out: 296.464 ± 0.050 $\chi^2/\text{NDF}: 893579.7/24$

Right Out: 317.973 ± 0.055 $\chi^2/\text{NDF}: 4722456.0/36$

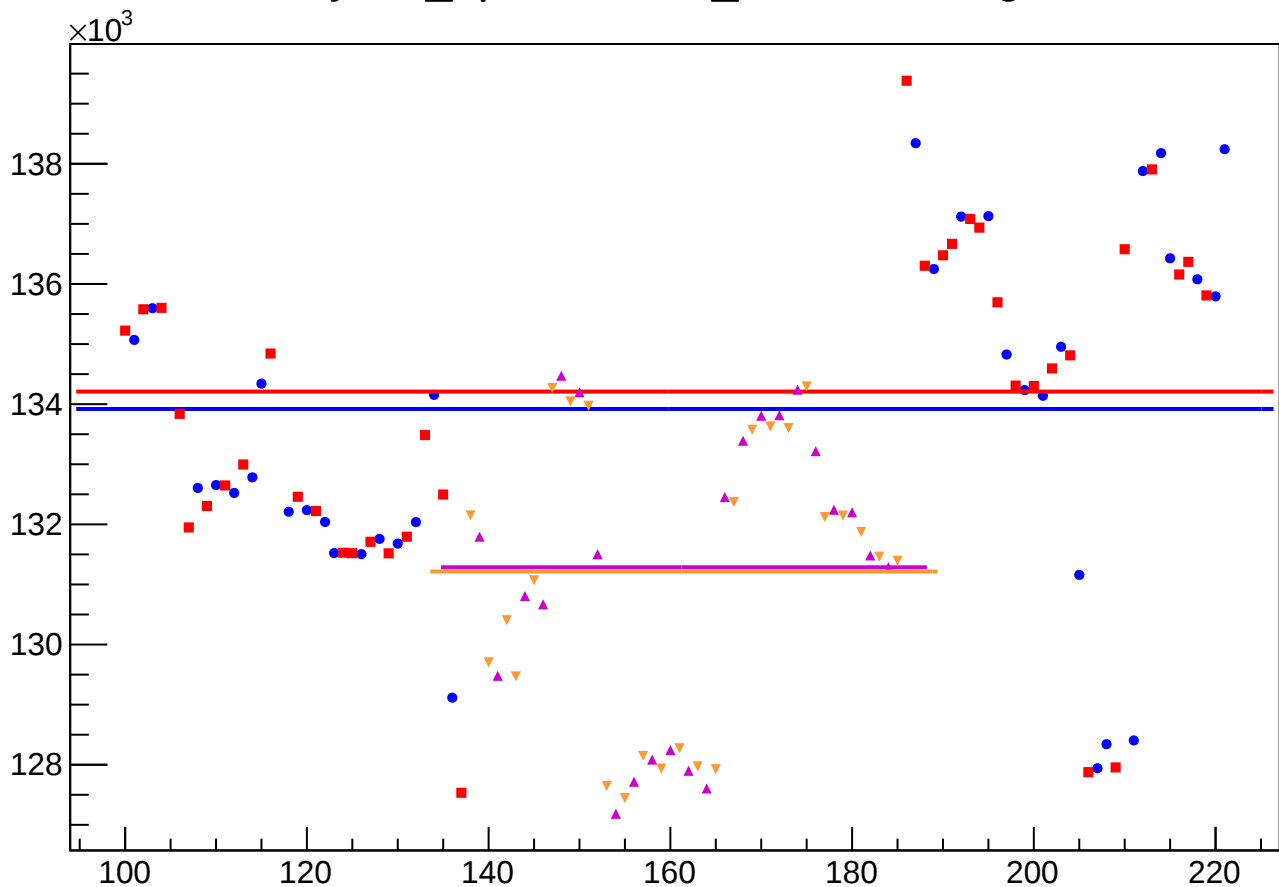
Left In: 297.774 ± 0.052 $\chi^2/\text{NDF}: 1061489.5/22$

+ sign 305.250 ± 0.037 $\chi^2/\text{NDF}: 6053345.3/59$

All: 306.234 ± 0.026 $\chi^2/\text{NDF}: 11909464.3/119$

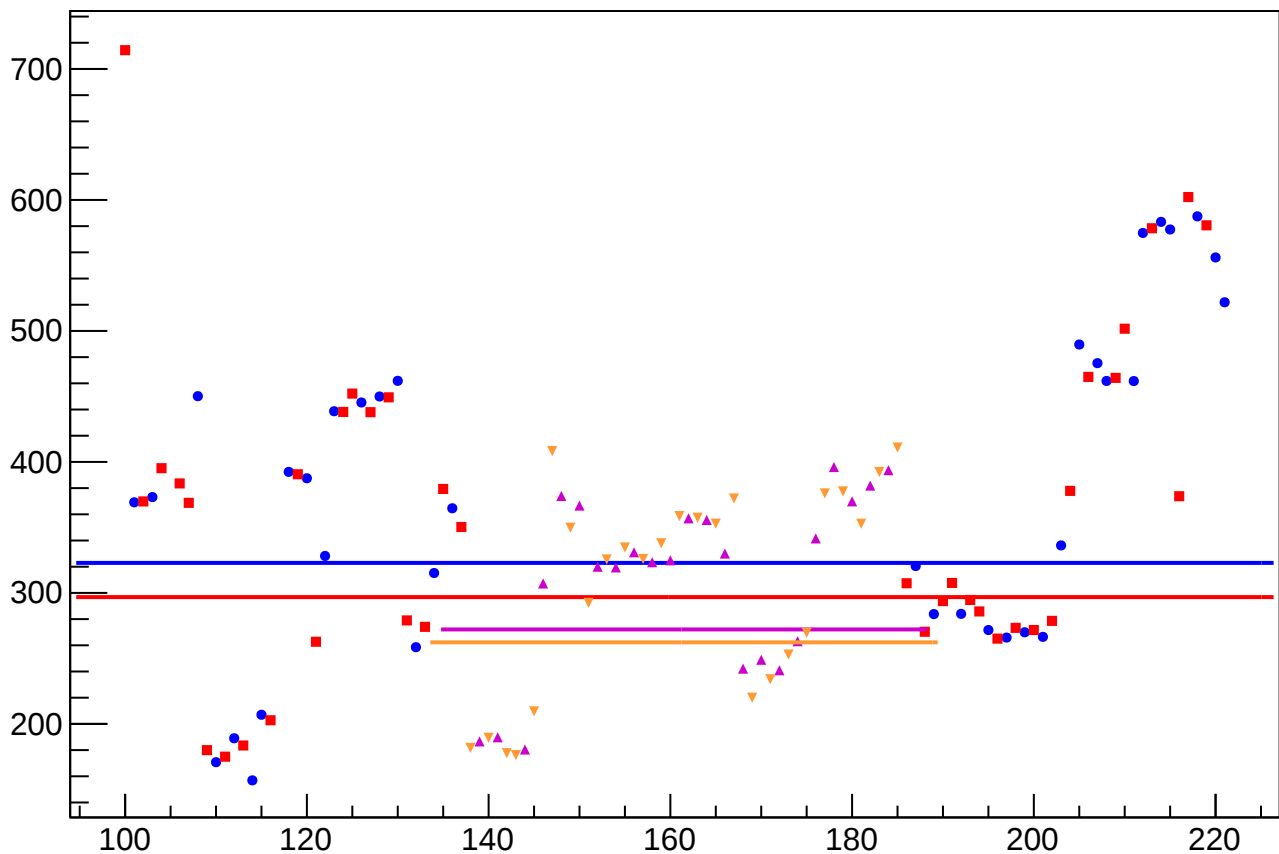
- sign 307.273 ± 0.038 $\chi^2/\text{NDF}: 5854658.1/59$

yield_bpm0r05WS_mean vs Slug



Right In: 133920.179 $\pm$ 0.077 χ^2 /NDF: 1121028270.8/34
 Left Out: 131214.985 $\pm$ 0.064 χ^2 /NDF: 1173424494.6/24
 Right Out: 134209.430 $\pm$ 0.072 χ^2 /NDF: 1059136433.6/36
 Left In: 131285.623 $\pm$ 0.068 χ^2 /NDF: 1056232192.1/22
 + sign 132320.143 $\pm$ 0.049 χ^2 /NDF: 3017198847.0
 All: 132497.254 $\pm$ 0.035 χ^2 /NDF: 602796289
 - sign 132674.694 $\pm$ 0.050 χ^2 /NDF: 2985098195.7/

yield_bpm0r05WS_rms vs Slug



Right In: 322.919 $\pm$ 0.055 χ^2 /NDF: 4327432.0/34

Left Out: 262.260 $\pm$ 0.045 χ^2 /NDF: 2818169.1/24

Right Out: 296.807 $\pm$ 0.051 χ^2 /NDF: 3814569.8/36

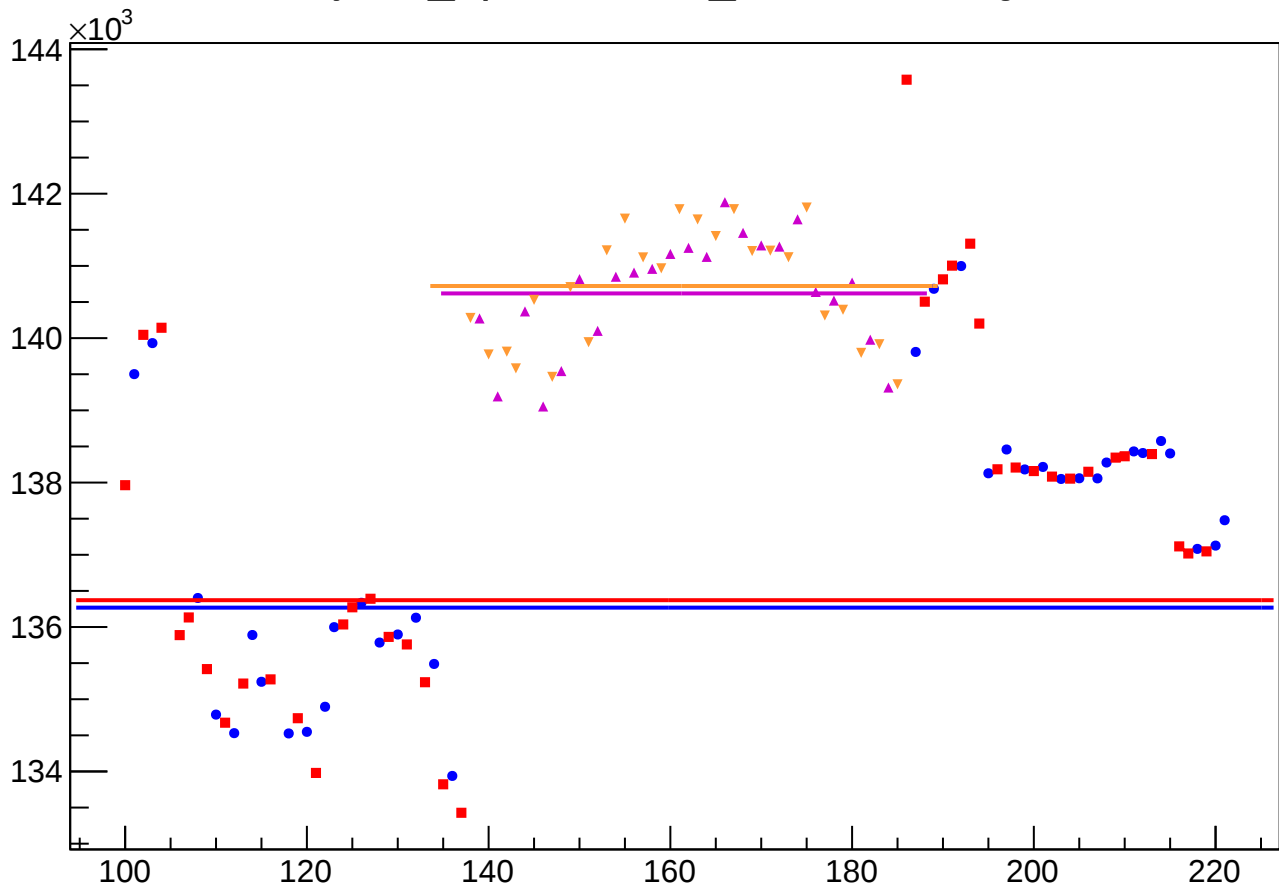
Left In: 272.115 $\pm$ 0.048 χ^2 /NDF: 2221925.0/22

+ sign 287.041 $\pm$ 0.035 χ^2 /NDF: 7872395.1/59

All: 285.445 $\pm$ 0.025 χ^2 /NDF: 14037124.6/11

- sign 283.846 $\pm$ 0.035 χ^2 /NDF: 6160561.4/59

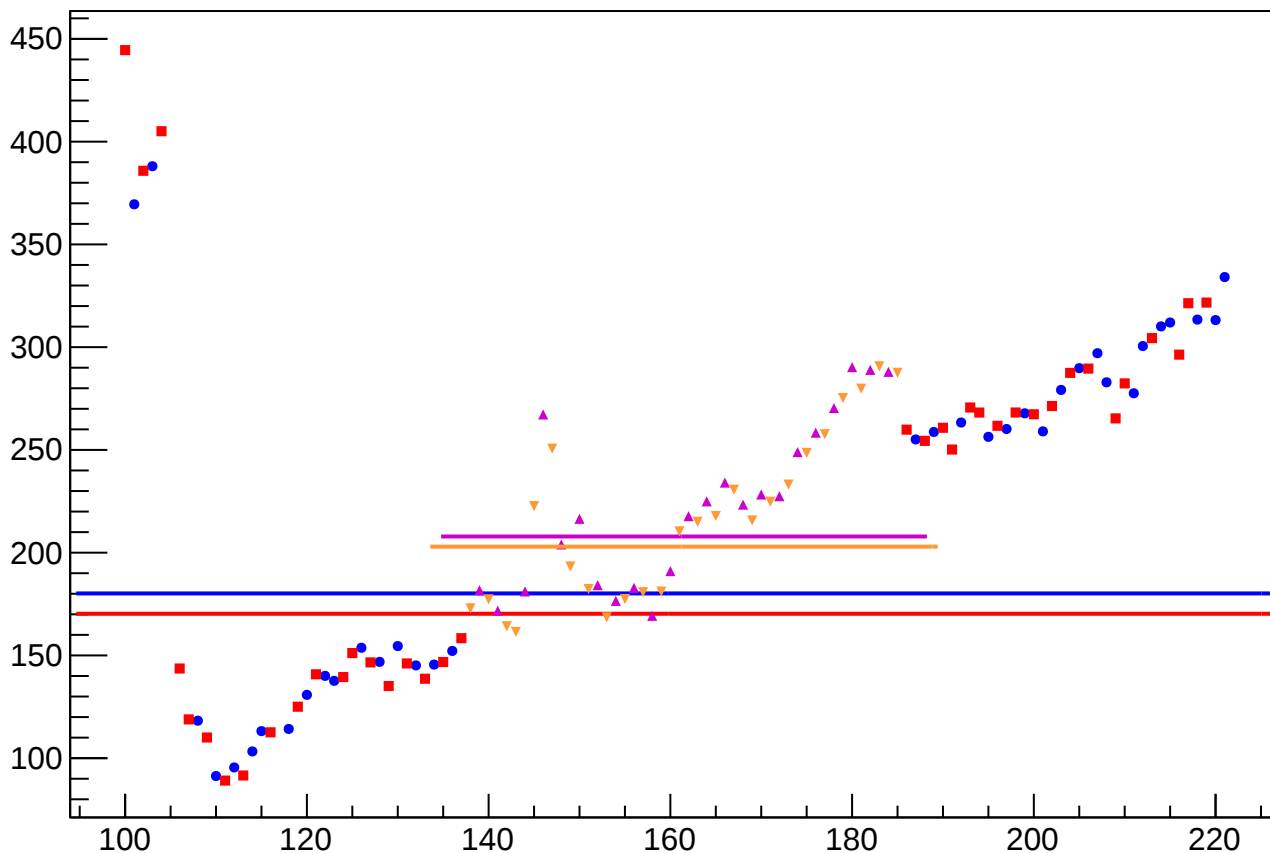
yield_bpm0i02WS_mean vs Slug



Right In: 136268.412 ± 0.045 $\chi^2/\text{NDF}: 1689613423.0/34$
 Left Out: 140721.823 ± 0.048 $\chi^2/\text{NDF}: 247257762.8/24$
 Right Out: 136371.451 ± 0.043 $\chi^2/\text{NDF}: 222232346.1/36$
 Left In: 140619.038 ± 0.051 $\chi^2/\text{NDF}: 200370178.0/22$

+ sign 138318.778 ± 0.033 $\chi^2/\text{NDF}: 6504033865.0/34$
 All: 138224.891 ± 0.023 $\chi^2/\text{NDF}: 129928190.0/34$
 - sign 138130.818 ± 0.033 $\chi^2/\text{NDF}: 6472427555.0/34$

yield_bpm0i02WS_rms vs Slug



Right In: 180.171+/-0.032 χ^2/NDF : 6675422.6/34

Left Out: 202.934+/-0.034 χ^2/NDF :1052283.6/24

Right Out: 170.275+/-0.030 χ^2/NDF : 6734020.3/36

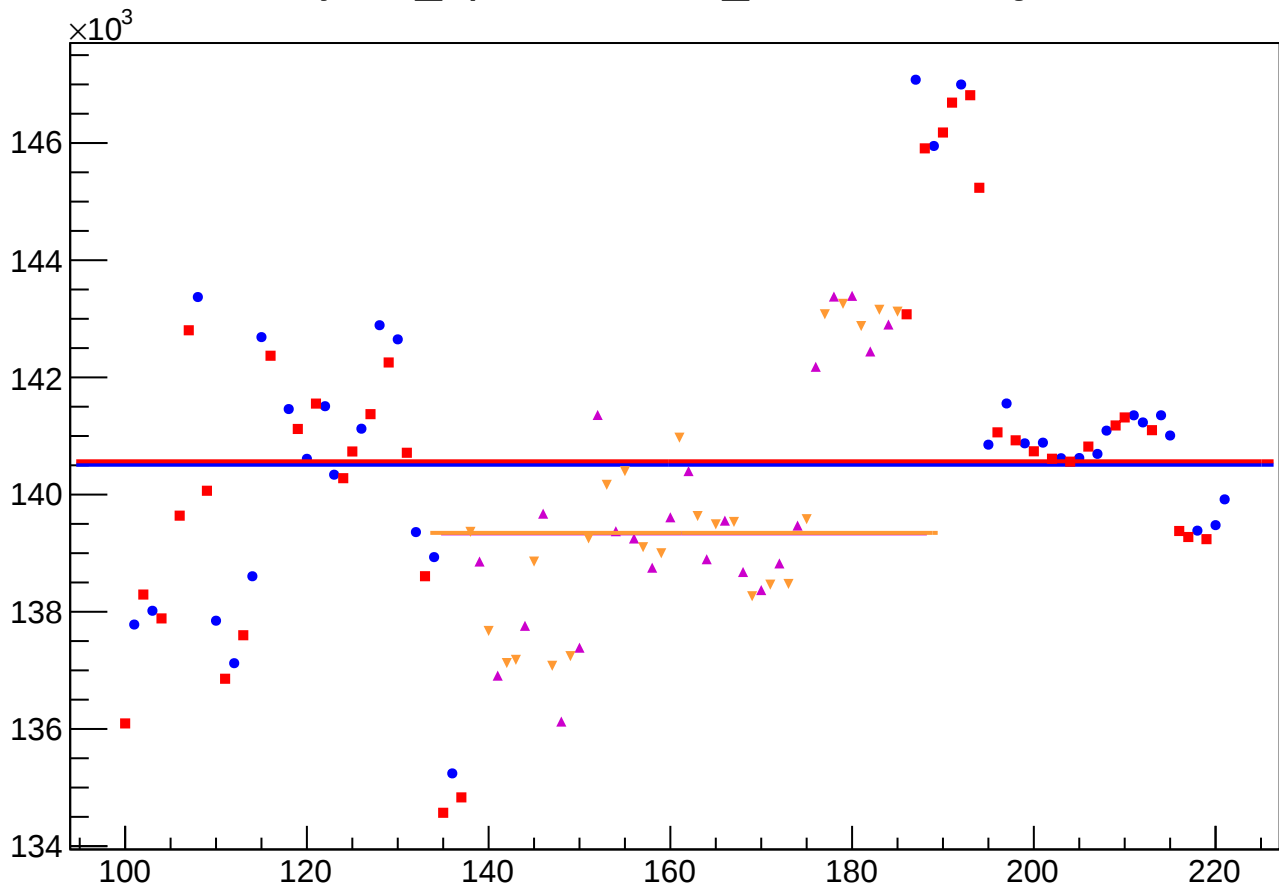
Left In: 207.872+/-0.036 χ^2/NDF :949200.3/22

+ sign 190.651+/-0.023 χ^2/NDF : 7966352.7/59

All: 188.252+/-0.016 χ^2/NDF : 16305513.0/1

- sign 185.848+/-0.023 χ^2/NDF : 8317795.2/59

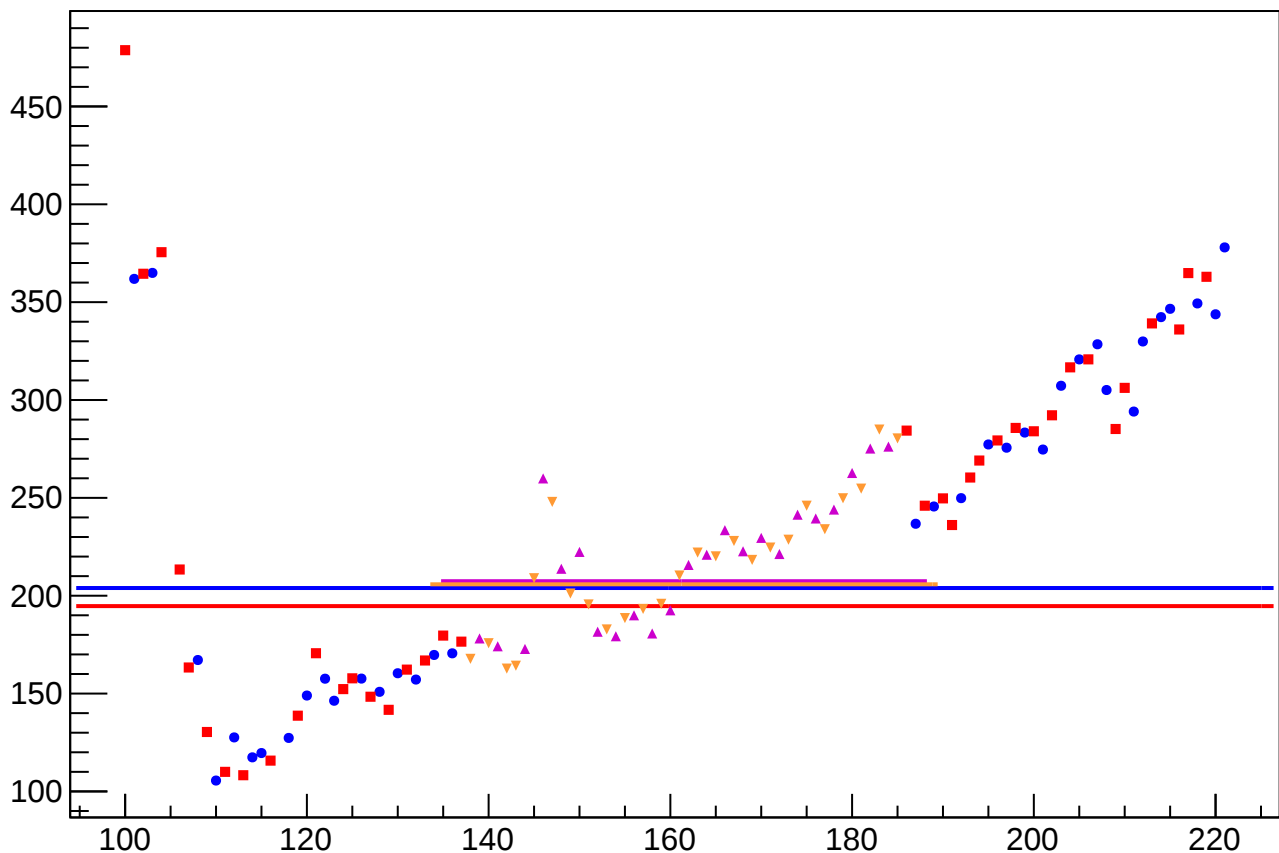
yield_bpm0i02aWS_mean vs Slug



Right In: 140509.389 $\pm$ 0.050 χ^2 /NDF: 2806593400.1/34
 Left Out: 139346.604 $\pm$ 0.049 χ^2 /NDF: 1271172976.7/24
 Right Out: 140568.100 $\pm$ 0.048 χ^2 /NDF: 3249787221.8/36
 Left In: 139337.874 $\pm$ 0.051 χ^2 /NDF: 1293003954.9/22

+ sign 139917.953 $\pm$ 0.035 χ^2 /NDF: 4354860412.8
 All: 139951.698 $\pm$ 0.025 χ^2 /NDF: 920781368
 - sign 139985.563 $\pm$ 0.035 χ^2 /NDF: 4851082465.3/

yield_bpm0i02aWS_rms vs Slug



Right In: 203.935 ± 0.035 χ^2/NDF : 5578274.4/34

Left Out: 205.833 ± 0.035 χ^2/NDF : 738666.4/24

Right Out: 194.691 ± 0.034 χ^2/NDF : 5536176.3/36

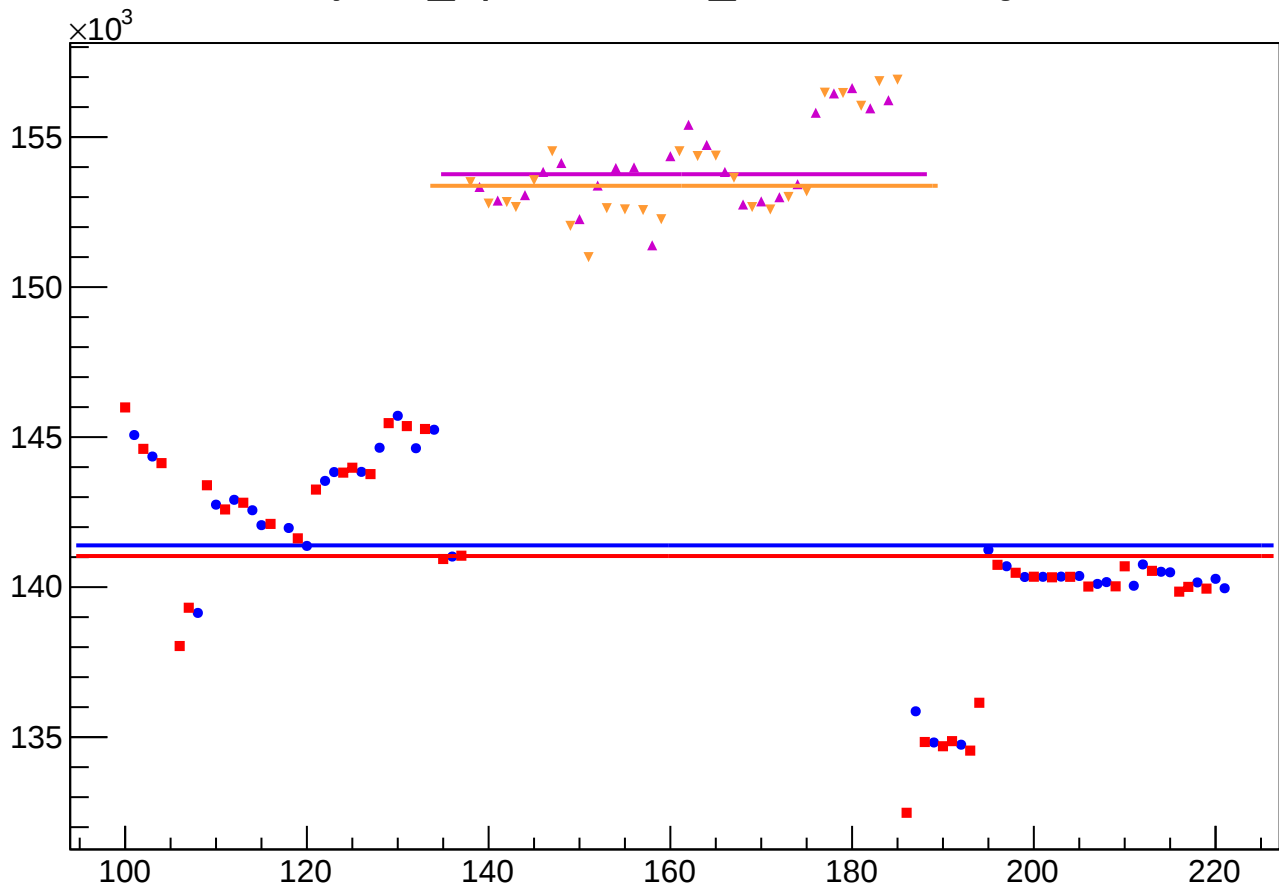
Left In: 207.416 ± 0.036 χ^2/NDF : 701955.3/22

+ sign 204.900 ± 0.025 χ^2/NDF : 6318417.4/59

All: 202.812 ± 0.017 χ^2/NDF : 12636841.8/1

- sign 200.717 ± 0.025 χ^2/NDF : 6304099.4/59

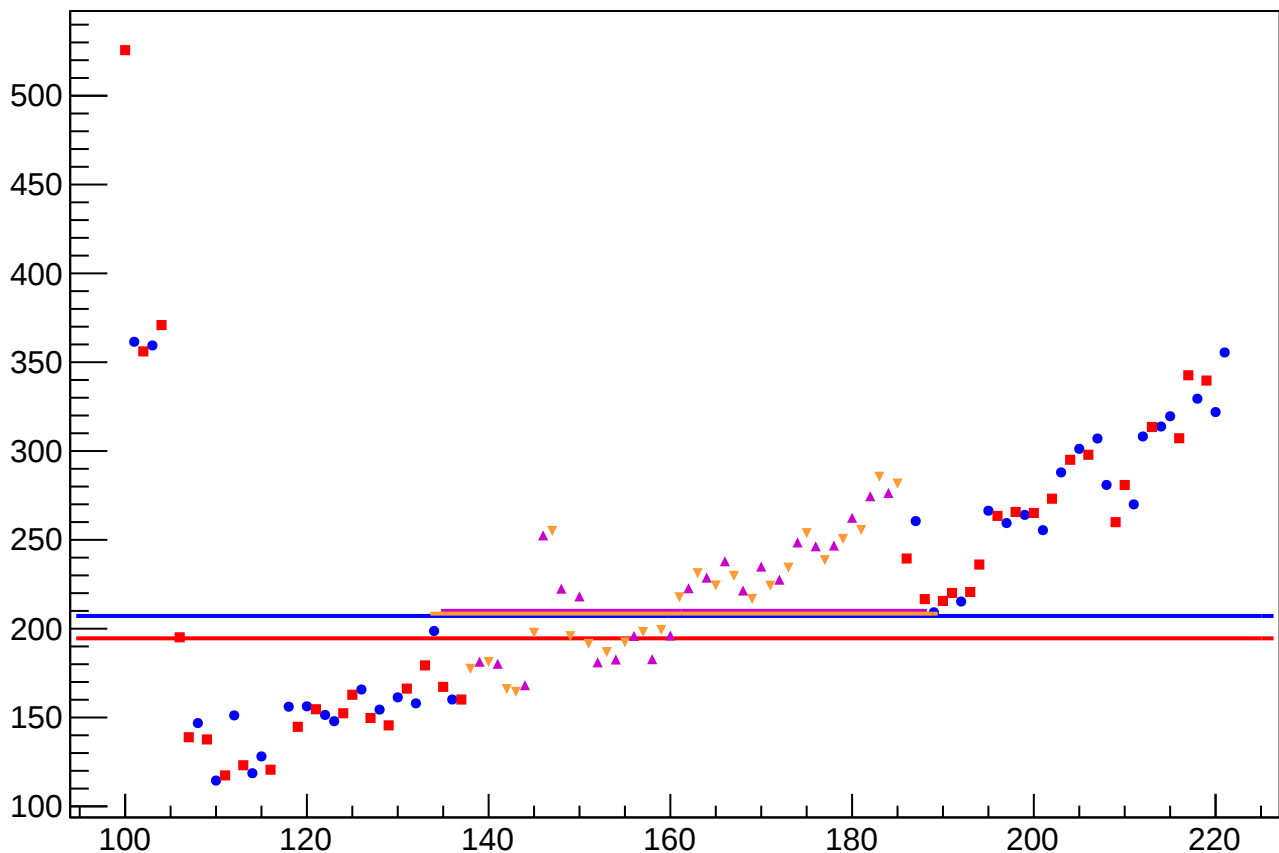
yield_bpm0i05WS_mean vs Slug



Right In: 141391.558 $\pm$ 0.050 χ^2 /NDF: 2786502677.4/34
 Left Out: 153376.698 $\pm$ 0.050 χ^2 /NDF: 803848095.1/24
 Right Out: 141036.559 $\pm$ 0.047 χ^2 /NDF: 4472594423.0/36
 Left In: 153762.419 $\pm$ 0.051 χ^2 /NDF: 635075685.0/22

+ sign 147393.728 $\pm$ 0.035 χ^2 /NDF: 32813148034.
 All: 147123.690 $\pm$ 0.025 χ^2 /NDF: 71237608
 - sign 146857.648 $\pm$ 0.035 χ^2 /NDF: 38306659045.6

yield_bpm0i05WS_rms vs Slug



Right In: 207.178+/-0.035 χ^2/NDF : 4169649.1/34

Left Out: 208.466+/-0.035 χ^2/NDF : 720894.7/24

Right Out: 194.568+/-0.033 χ^2/NDF : 4171349.8/36

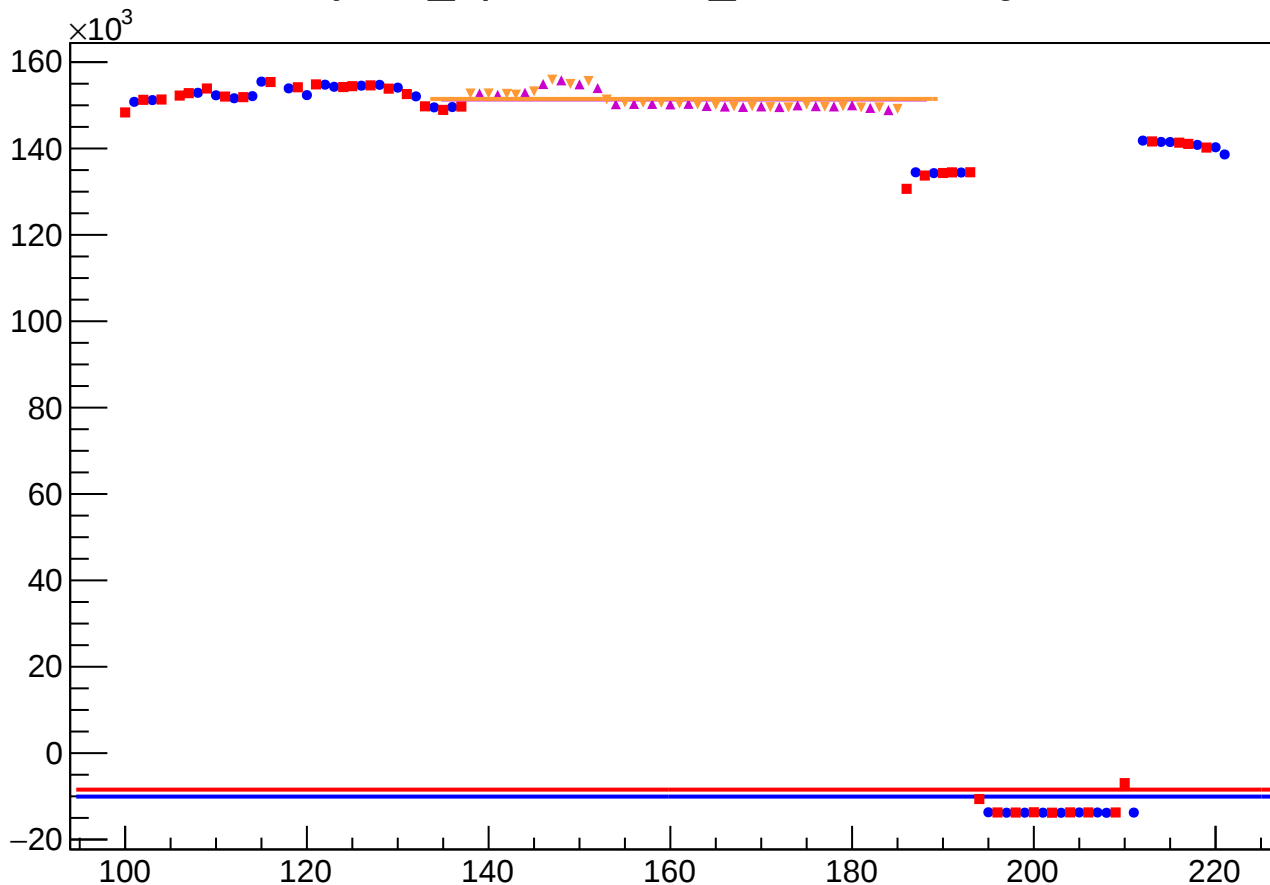
Left In: 210.038+/-0.036 χ^2/NDF : 702369.5/22

+ sign 207.823+/-0.025 χ^2/NDF : 4891218.5/59

All: 204.711+/-0.017 χ^2/NDF : 9894354.4/119

- sign 201.644+/-0.025 χ^2/NDF : 4971837.1/59

yield_bpm0i07WS_mean vs Slug



Right In: -10060.755 ± 0.009

χ^2/NDF : 6938854917829.0/34

Left Out: 151483.385 ± 0.050

χ^2/NDF : 1481910066.9/24

Right Out: -8447.150 ± 0.010

χ^2/NDF : 7817457720857.8/36

Left In: 151363.165 ± 0.051

χ^2/NDF : 1421662089.0/22

+ sign -4663.697 ± 0.009

χ^2/NDF : 1722573542132

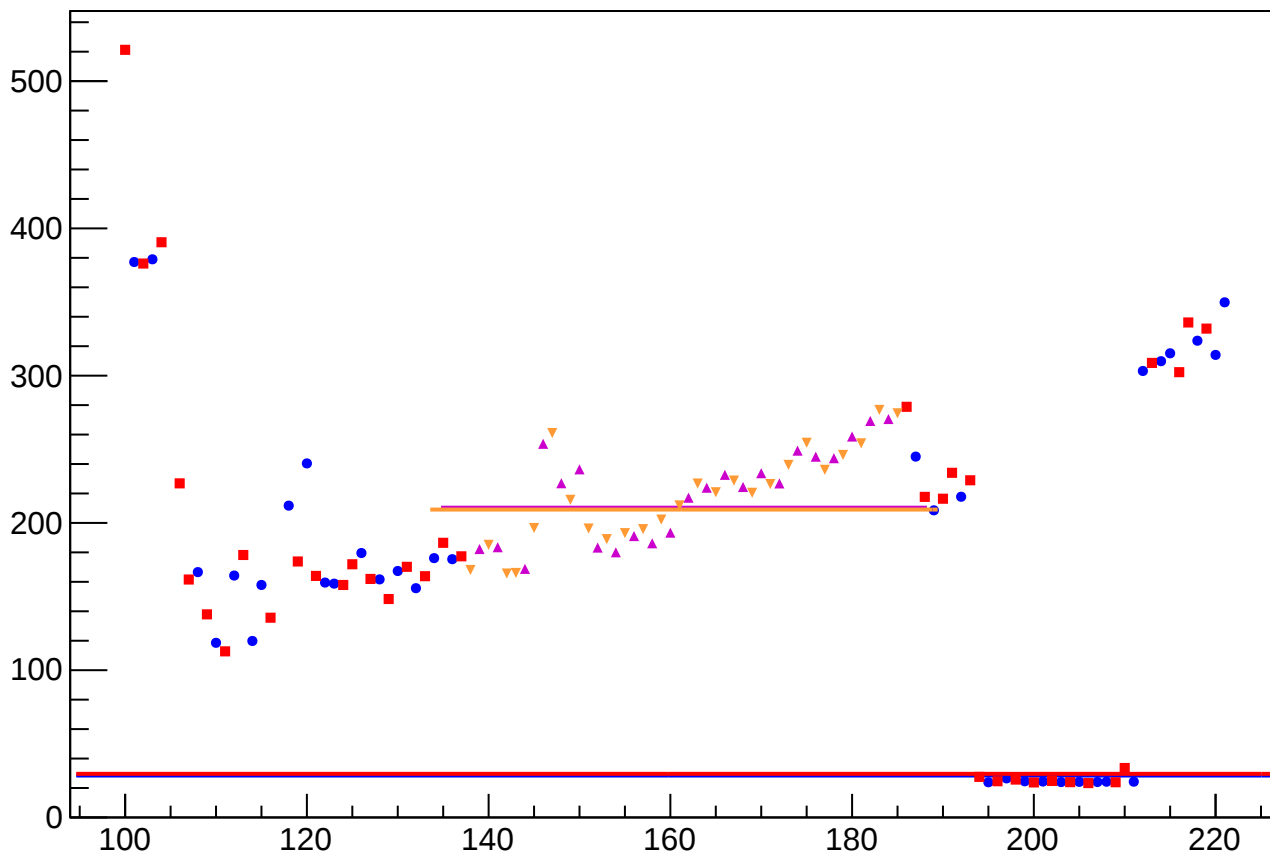
All: -3706.222 ± 0.007

χ^2/NDF : 3438005937

- sign -2570.972 ± 0.010

χ^2/NDF : 17129868838239

yield_bpm0i07WS_rms vs Slug



Right In: 28.479 ± 0.007 $\chi^2/\text{NDF}: 19340416.5/34$

Left Out: 209.076 ± 0.035 $\chi^2/\text{NDF}: 708260.3/24$

Right Out: 29.610 ± 0.007 $\chi^2/\text{NDF}: 18443496.1/36$

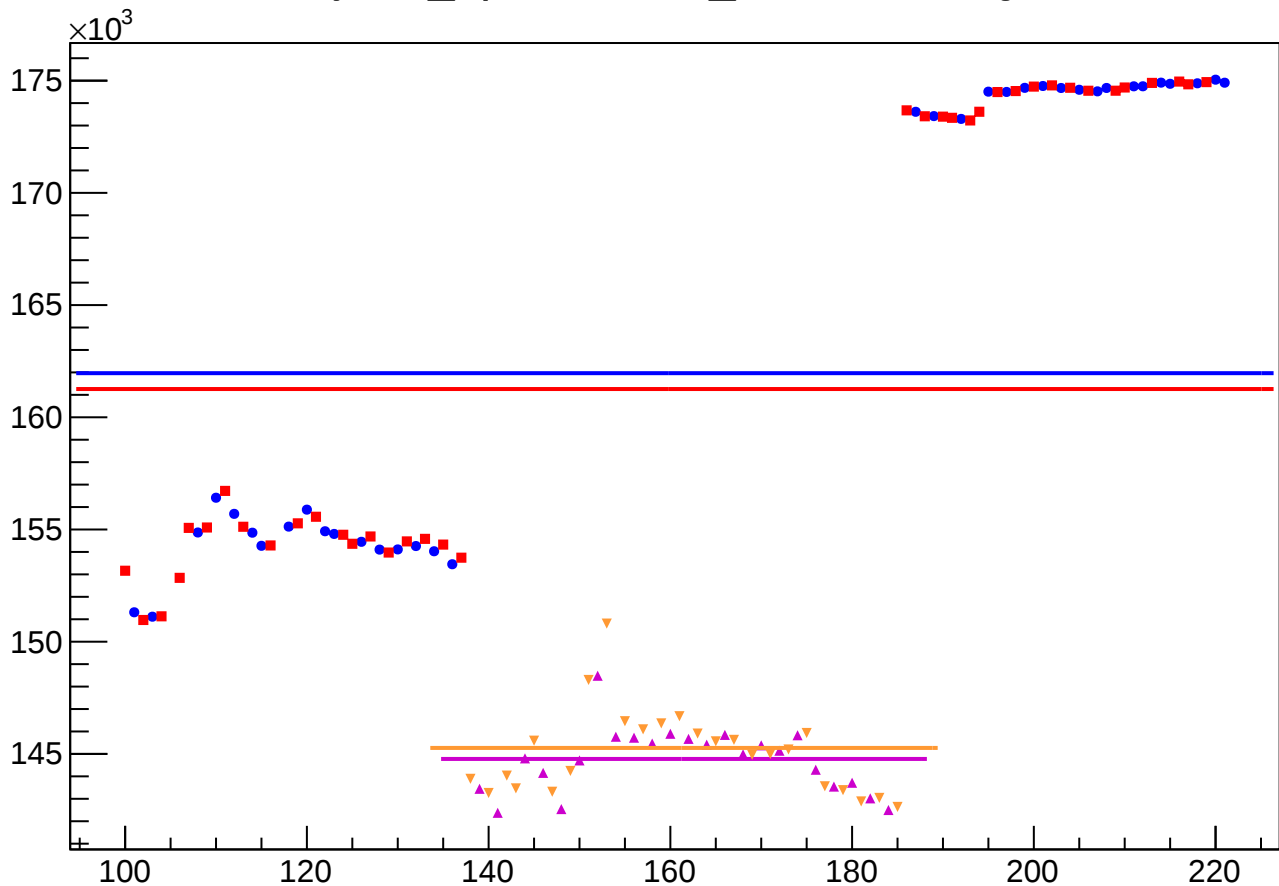
Left In: 210.345 ± 0.036 $\chi^2/\text{NDF}: 677747.7/22$

+ sign 34.513 ± 0.006 $\chi^2/\text{NDF}: 45757911.0/59$

All: 35.310 ± 0.005 $\chi^2/\text{NDF}: 88730799.0/119$

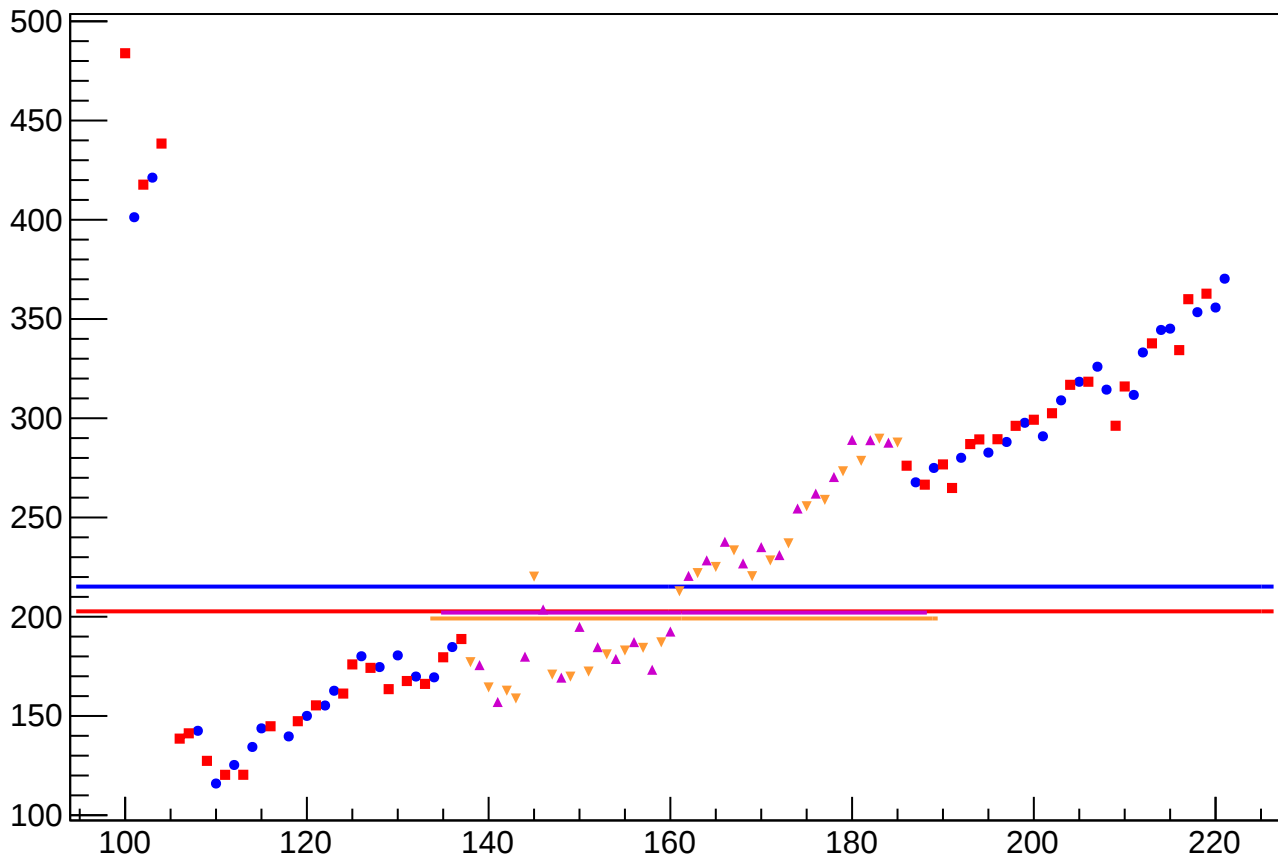
- sign 36.255 ± 0.007 $\chi^2/\text{NDF}: 42938965.8/59$

yield_bpm1i02WS_mean vs Slug



Right In: 161965.767 $\pm$ 0.052	χ^2 /NDF: 33346940944.8/34	+ sign 152809.740 $\pm$ 0.035	χ^2 /NDF: 91143104749.
Left Out: 145266.717 $\pm$ 0.047	χ^2 /NDF: 1717707352.7/24	All: 152892.067 $\pm$ 0.025	χ^2 /NDF: 181206310
Right Out: 161259.257 $\pm$ 0.050	χ^2 /NDF: 34113834623.9/36	- sign 152974.591 $\pm$ 0.035	χ^2 /NDF: 90052185906.9
Left In: 144776.016 $\pm$ 0.050	χ^2 /NDF: 918120275.4/22		

yield_bpm1i02WS_rms vs Slug



Right In: 215.187 $\pm$ 0.037 χ^2 /NDF: 5328457.0/34

Left Out: 199.118 $\pm$ 0.034 χ^2 /NDF:1152231.0/24

Right Out: 202.704 $\pm$ 0.035 χ^2 /NDF: 5393103.9/36

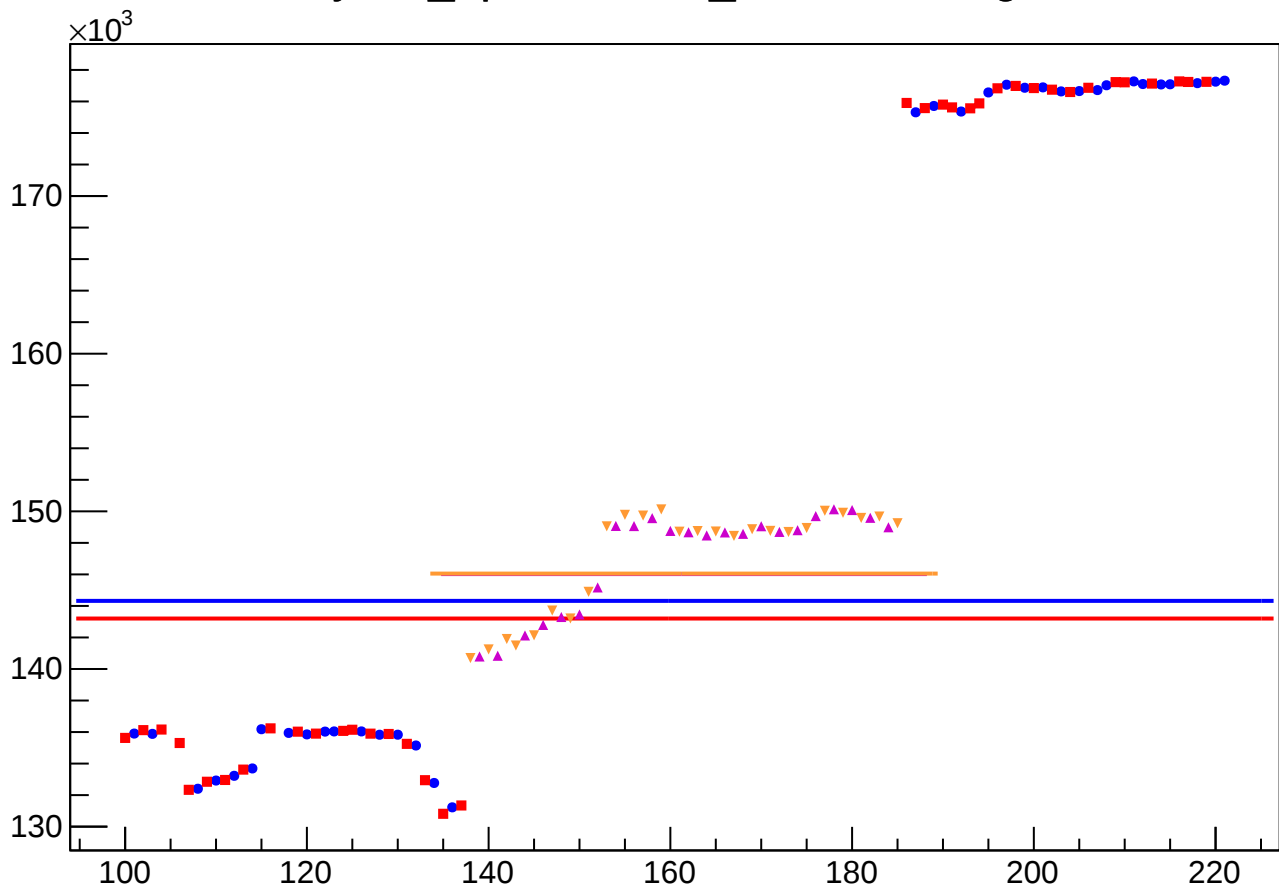
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 206.376 $\pm$ 0.025 χ^2 /NDF: 6584535.9/59

All: 204.388 $\pm$ 0.018 χ^2 /NDF: 13048477.0/13

- sign 202.396 $\pm$ 0.025 χ^2 /NDF: 6451089.7/59

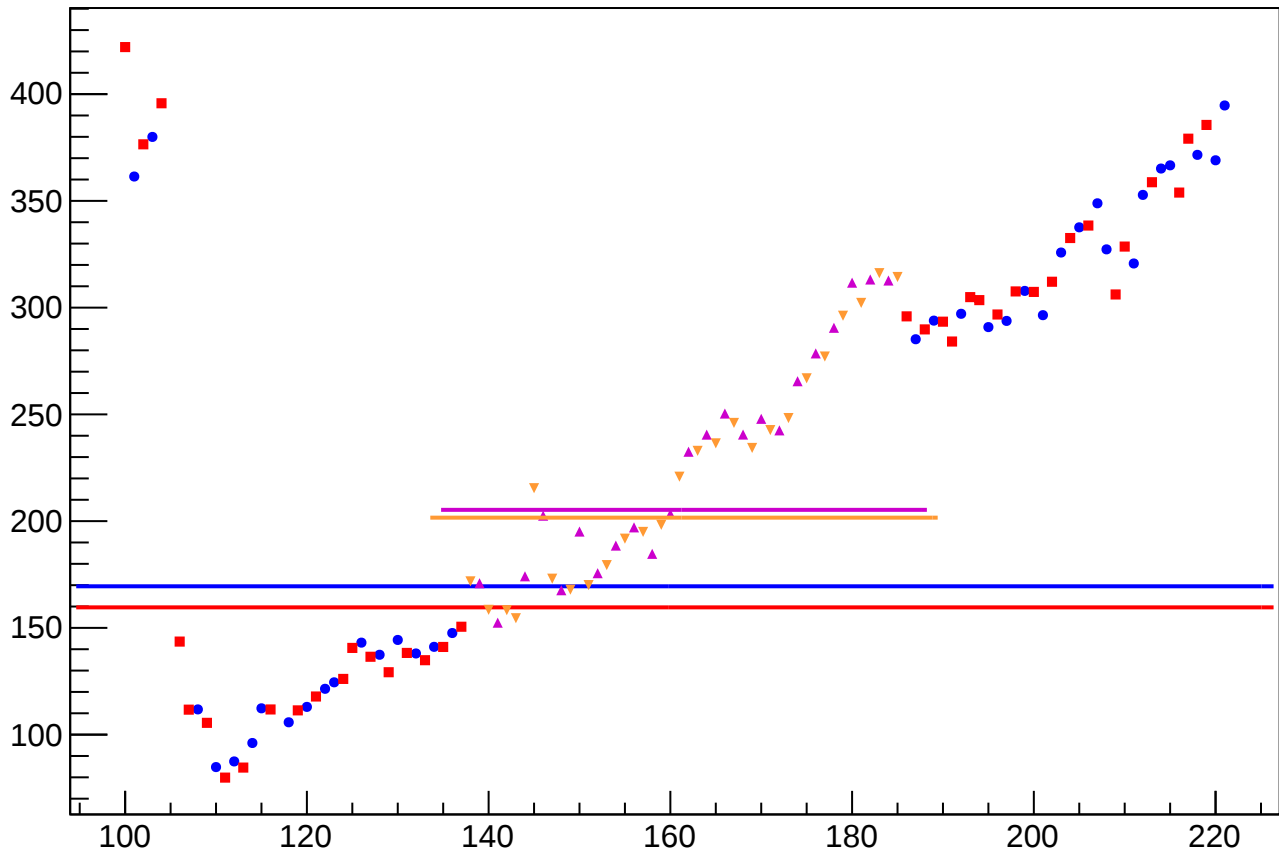
yield_bpm1i04WS_mean vs Slug



Right In: 144320.841 ± 0.044 χ^2/NDF : 168680737905.6/34
 Left Out: 146051.733 ± 0.048 χ^2/NDF : 5403300123.1/24
 Right Out: 143200.788 ± 0.042 χ^2/NDF : 171841314748.0/36
 Left In: 146020.015 ± 0.051 χ^2/NDF : 4591425371.4/22

+ sign 145106.640 ± 0.033 χ^2/NDF : 174785129267
 All: 144726.628 ± 0.023 χ^2/NDF : 353322779
 - sign 144351.078 ± 0.032 χ^2/NDF : 178266596081

yield_bpm1i04WS_rms vs Slug



Right In: 169.478 $\pm$ 0.031 χ^2 /NDF: 9631668.8/34

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 159.610 $\pm$ 0.030 χ^2 /NDF: 9504739.1/36

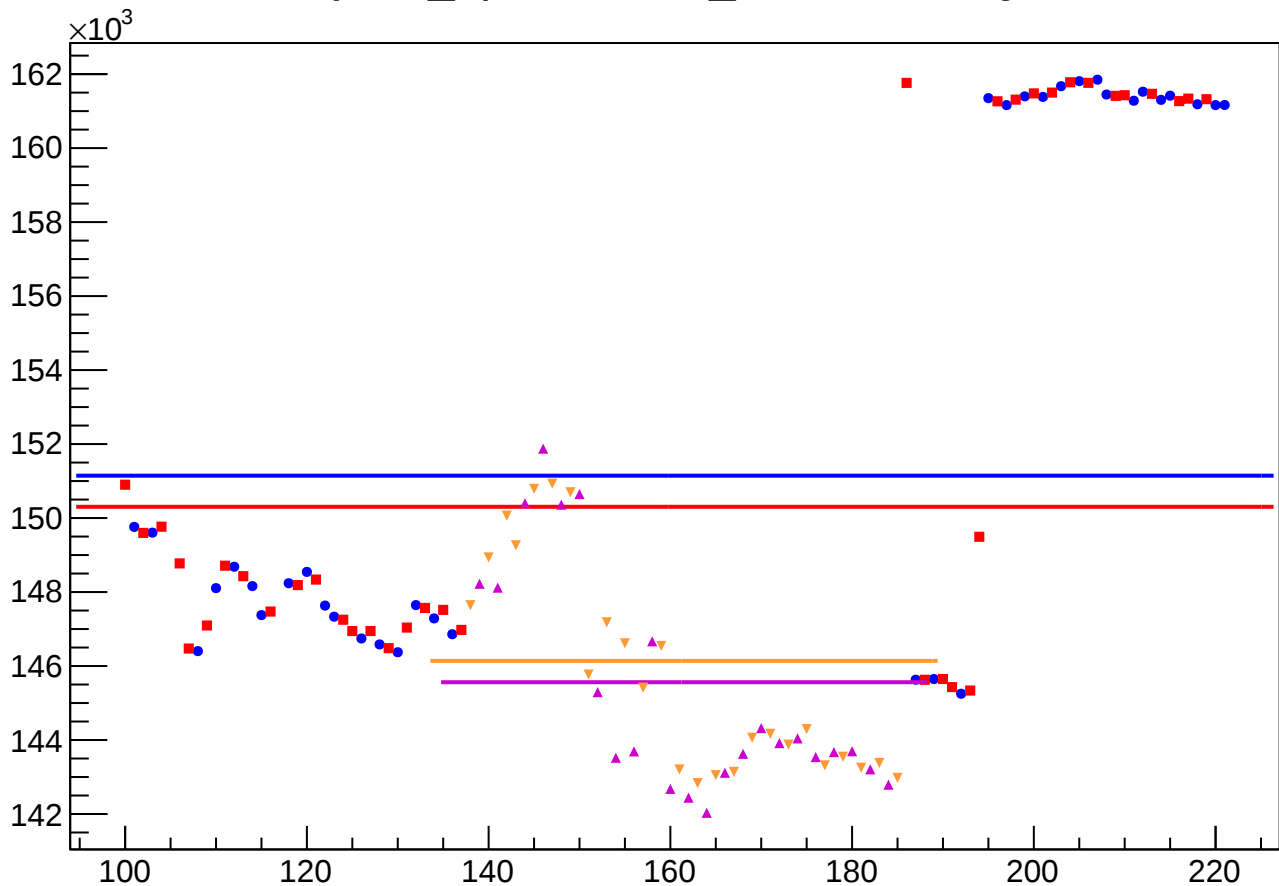
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 184.075 $\pm$ 0.023 χ^2 /NDF: 11705083.8/59

All: 181.144 $\pm$ 0.016 χ^2 /NDF: 23630135.0/11

- sign 178.247 $\pm$ 0.023 χ^2 /NDF: 11892788.1/59

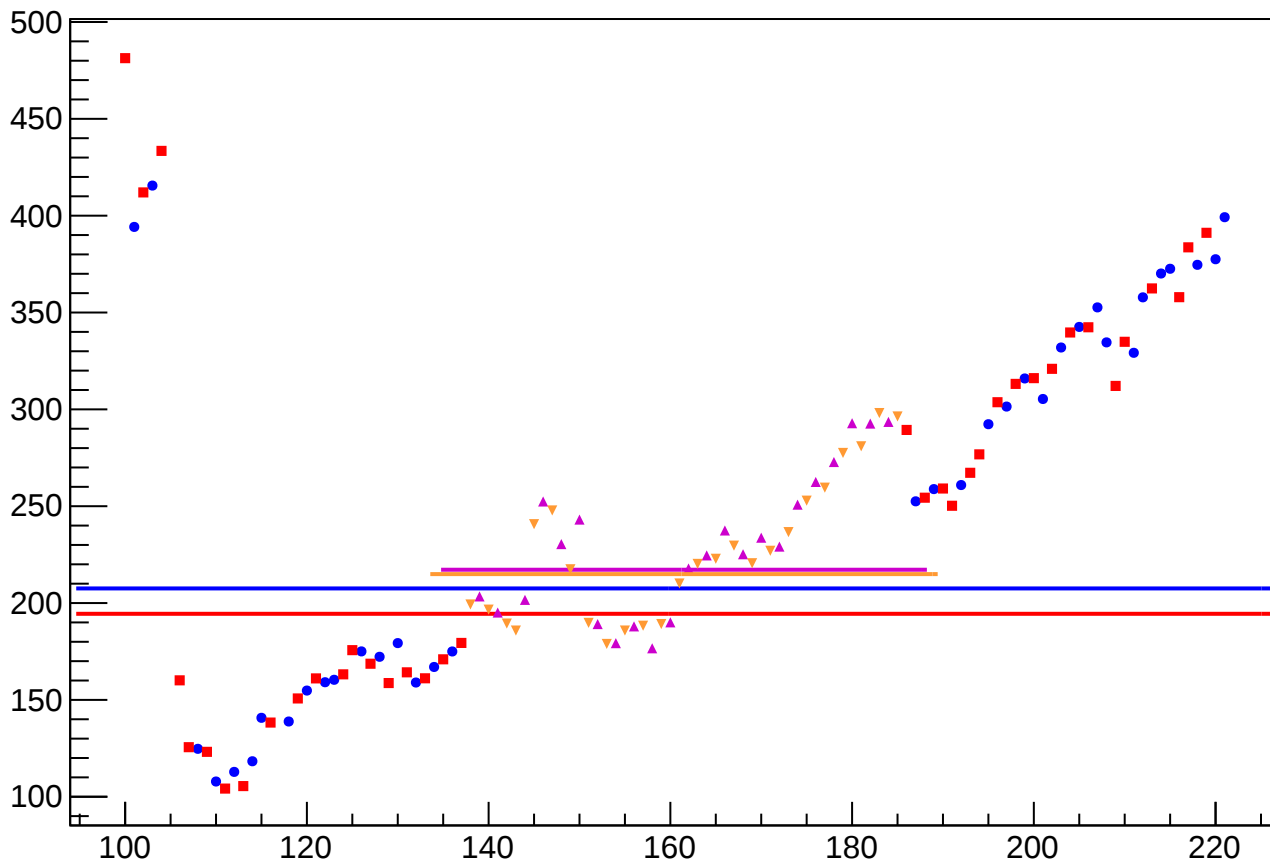
yield_bpm1i06WS_mean vs Slug



Right In: 151145.212 $\pm$ 0.051 χ^2 /NDF: 14713687384.0/34
 Left Out: 146139.326 $\pm$ 0.051 χ^2 /NDF: 2699546907.6/24
 Right Out: 150304.398 $\pm$ 0.049 χ^2 /NDF: 13296023397.9/36
 Left In: 145562.386 $\pm$ 0.053 χ^2 /NDF: 3054641996.0/22

+ sign 148618.114 $\pm$ 0.036 χ^2 /NDF: 22201642955.
 All: 148374.318 $\pm$ 0.025 χ^2 /NDF: 42972881.
 - sign 148134.119 $\pm$ 0.036 χ^2 /NDF: 20681040414.3

yield_bpm1i06WS_rms vs Slug



Right In: 207.545+/-0.036 χ^2/NDF : 6640198.5/34

Left Out: 214.945+/-0.036 χ^2/NDF : 728515.5/24

Right Out: 194.451+/-0.034 χ^2/NDF : 6580476.2/36

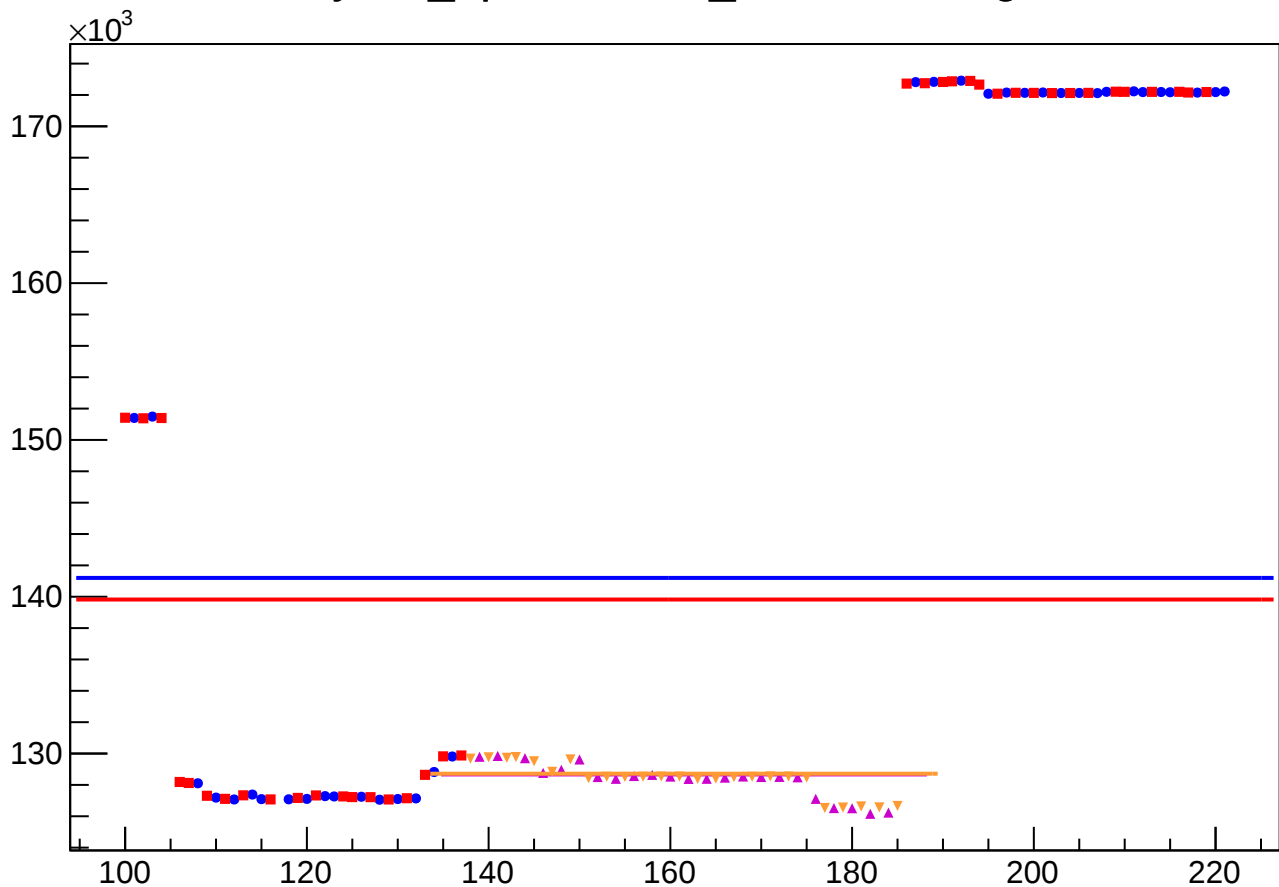
Left In: 217.203+/-0.038 χ^2/NDF : 764798.3/22

+ sign 211.281+/-0.026 χ^2/NDF : 7389639.5/59

All: 208.049+/-0.018 χ^2/NDF : 14966014.8/11

- sign 204.864+/-0.025 χ^2/NDF : 7544663.7/59

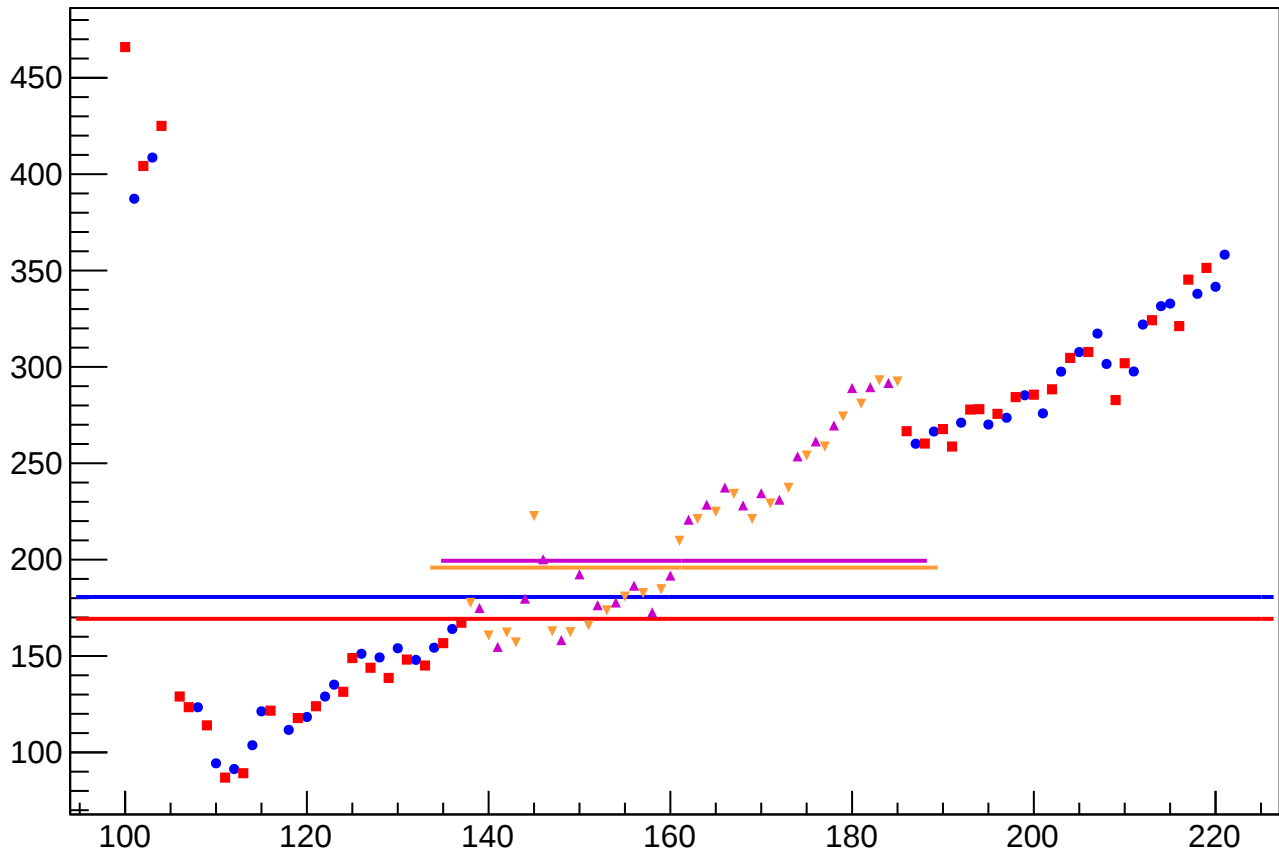
yield_bpm2i01WS_mean vs Slug



Right In: 141200.850 $\pm$ 0.045 χ^2 /NDF: 202939908579.0/34
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 139822.313 $\pm$ 0.043 χ^2 /NDF: 211830270618.2/36
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22

+ sign 135130.714 $\pm$ 0.033 χ^2 /NDF: 240026109771
 All: 135041.111 $\pm$ 0.023 χ^2 /NDF: 481416733
 - sign 134952.549 $\pm$ 0.032 χ^2 /NDF: 241375565257

yield_bpm2i01WS_rms vs Slug



Right In: 180.620 $\pm$ 0.032 χ^2 /NDF: 7611900.8/34

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 169.292 $\pm$ 0.030 χ^2 /NDF: 7617094.6/36

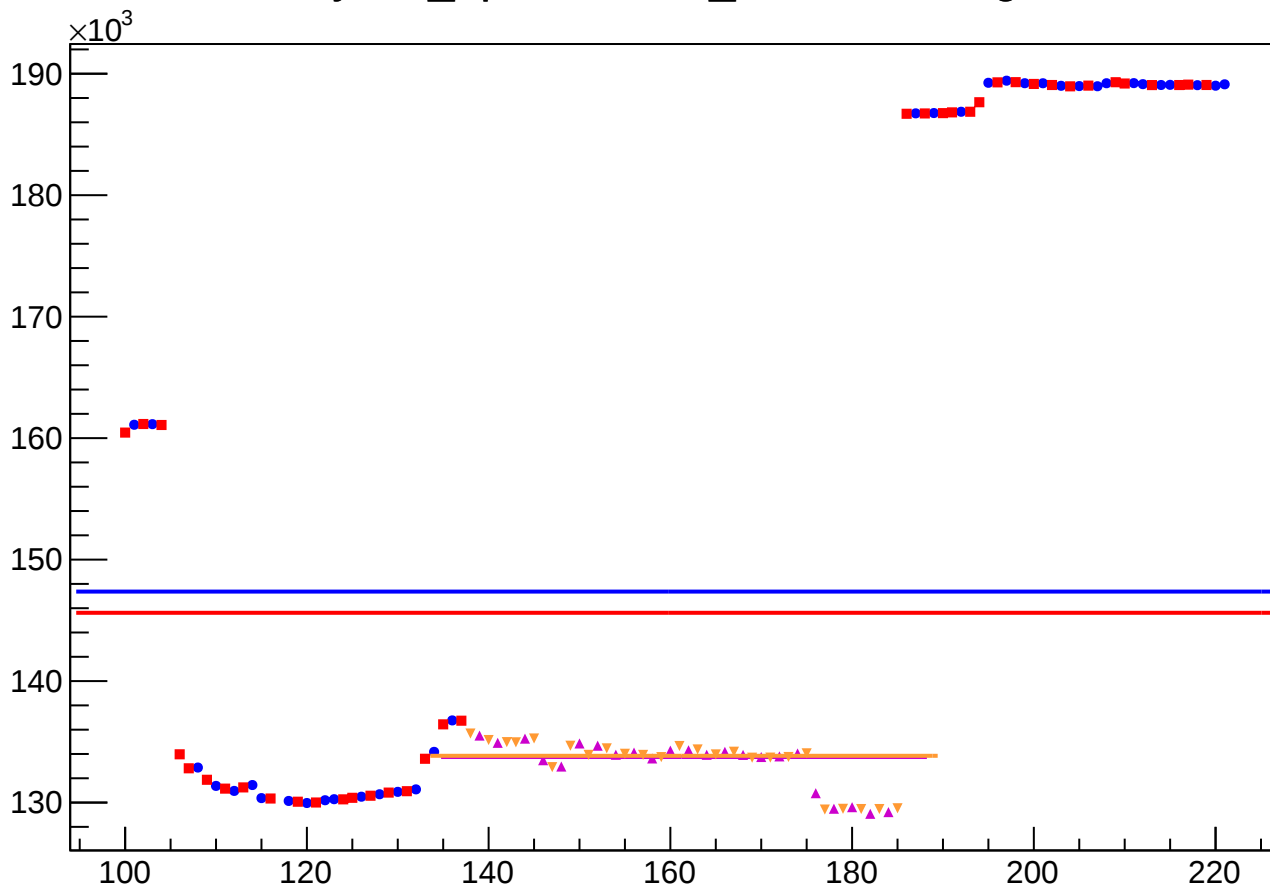
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 188.040 $\pm$ 0.023 χ^2 /NDF: 9035040.8/59

All: 185.224 $\pm$ 0.016 χ^2 /NDF: 18273560.4/1

- sign 182.441 $\pm$ 0.023 χ^2 /NDF: 9208777.3/59

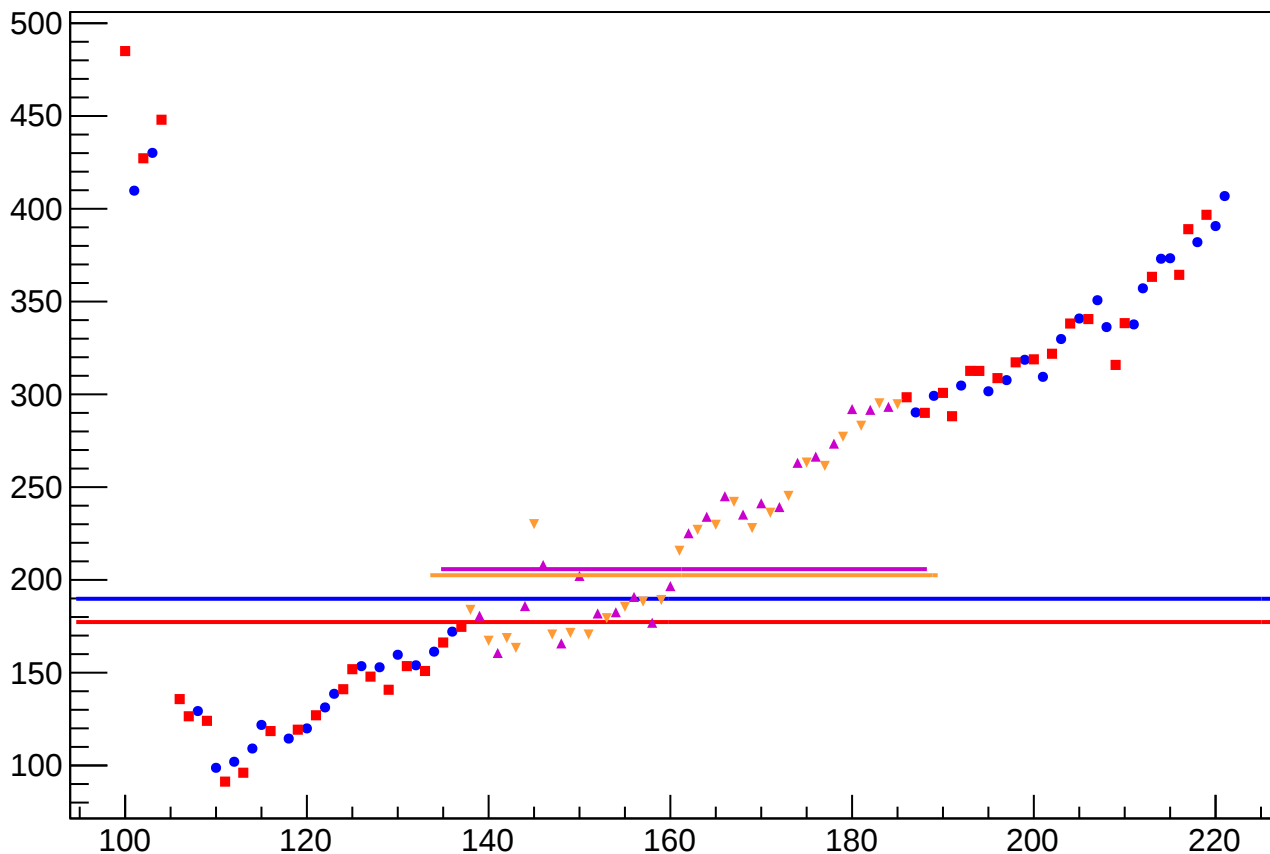
yield_bpm2i02WS_mean vs Slug



Right In: 147368.403 $\pm$ 0.048 χ^2 /NDF: 277185187330.2/34
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 145622.311 $\pm$ 0.046 χ^2 /NDF: 283560081089.5/36
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22

+ sign 140586.132 $\pm$ 0.034 χ^2 /NDF: 317422295678
 All: 140426.394 $\pm$ 0.024 χ^2 /NDF: 632312964
 - sign 140268.856 $\pm$ 0.034 χ^2 /NDF: 314847227394

yield_bpm2i02WS_rms vs Slug



Right In: 189.828 $\pm$ 0.034 χ^2 /NDF: 8460616.0/34

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF:1211991.5/24

Right Out: 177.290 $\pm$ 0.032 χ^2 /NDF: 8441727.5/36

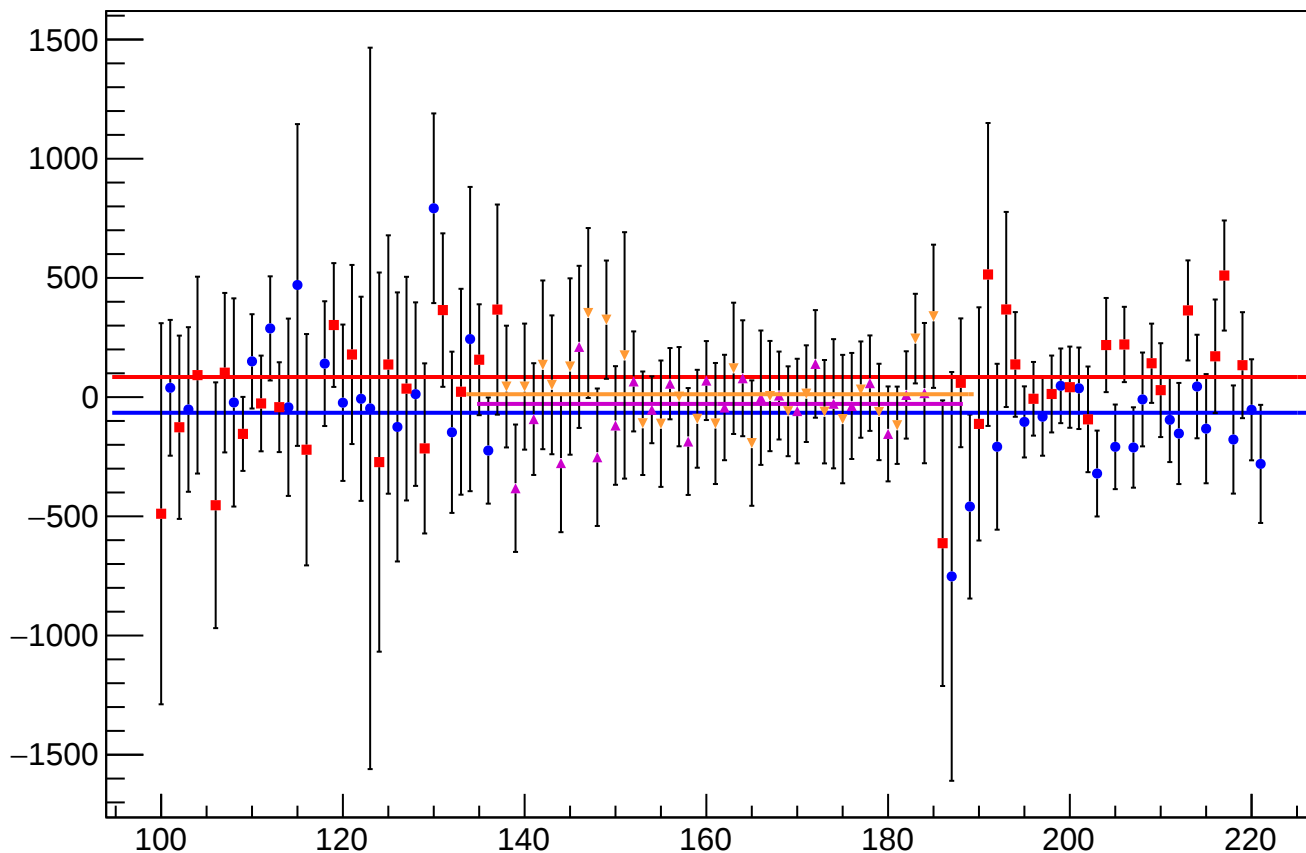
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 196.200 $\pm$ 0.024 χ^2 /NDF: 9741723.8/59

All: 193.153 $\pm$ 0.017 χ^2 /NDF: 19659400.2/1

- sign 190.149 $\pm$ 0.024 χ^2 /NDF: 9886075.5/59

asym_bcm_an_ds_mean vs Slug



Right In: -65.637 ± 40.526 χ^2/NDF : 18.6/34

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 84.366 ± 40.971 χ^2/NDF : 18.9/36

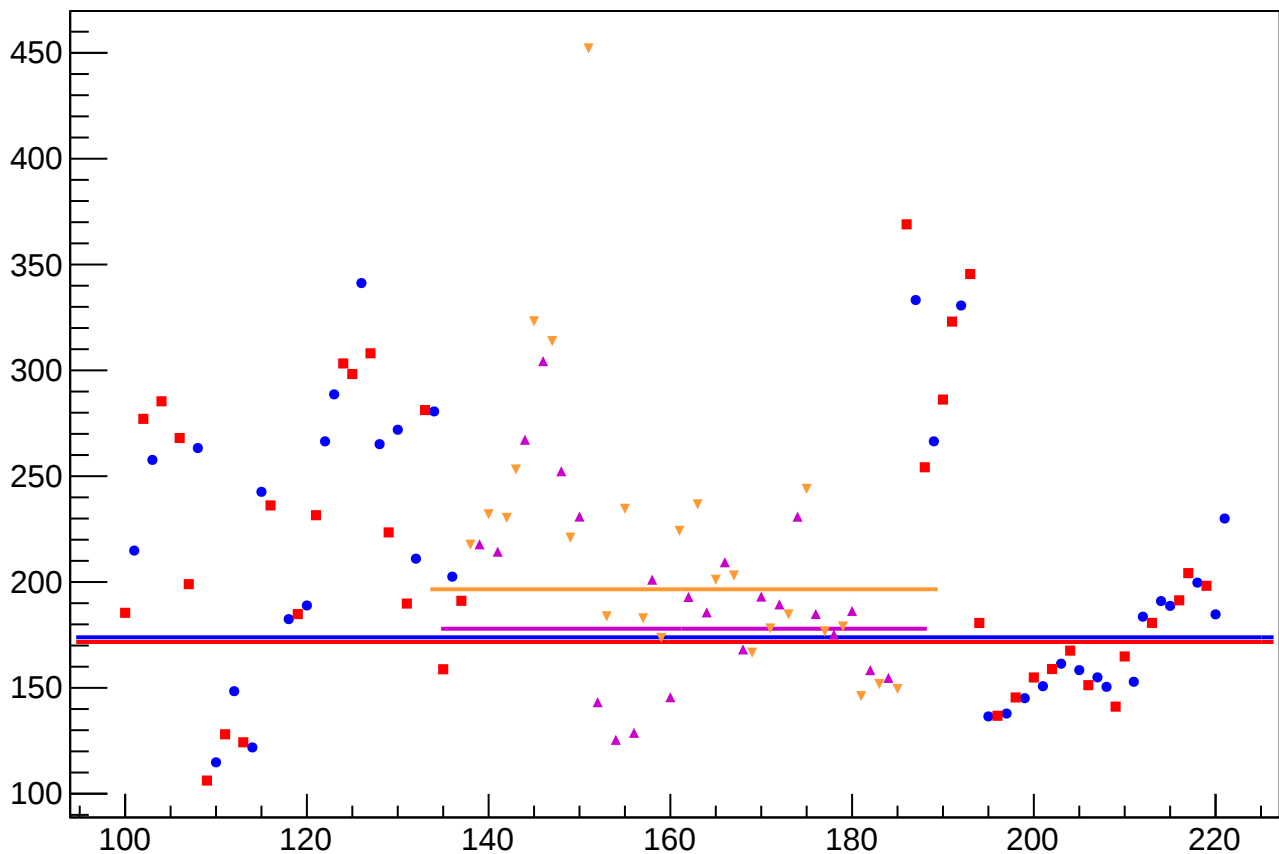
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign -32.880 ± 30.838 χ^2/NDF : 28.7/59

All: 0.670 ± 21.577 χ^2/NDF : 60.1/119

- sign 32.844 ± 30.200 χ^2/NDF : 29.1/59

asym_bcm_an_ds_rms vs Slug



Right In: 173.894 $\pm$ 0.029 χ^2 /NDF: 2325148.6/34

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF:1778719.0/24

Right Out: 171.688 $\pm$ 0.029 χ^2 /NDF: 2935986.0/36

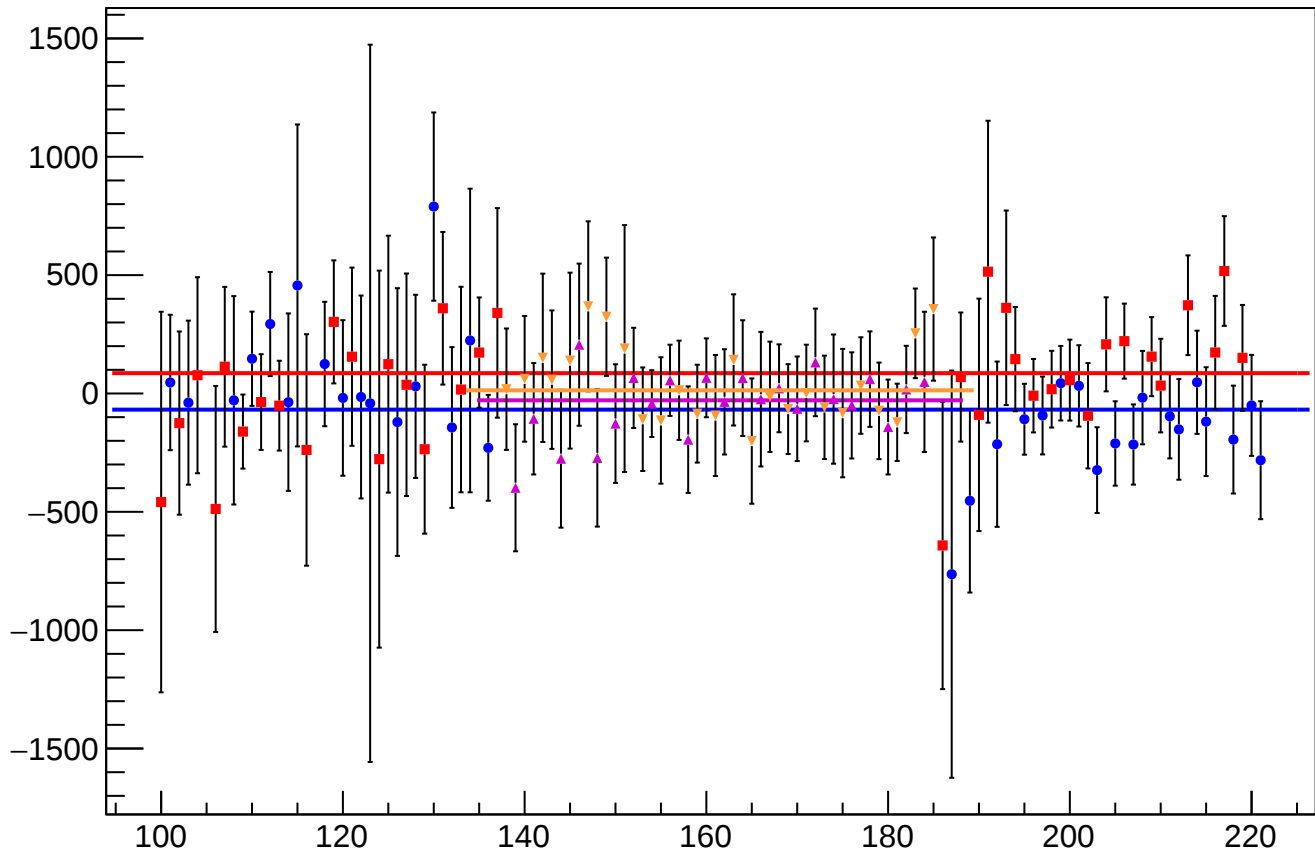
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 183.442 $\pm$ 0.022 χ^2 /NDF: 4367606.0/59

All: 178.898 $\pm$ 0.015 χ^2 /NDF: 9015662.6/119

- sign 174.540 $\pm$ 0.021 χ^2 /NDF: 4562986.0/59

asym_bcm_an_ds3_mean vs Slug



Right In: -68.204 ± 40.713 χ^2/NDF : 18.5/34

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 85.913 ± 41.168 χ^2/NDF : 19.5/36

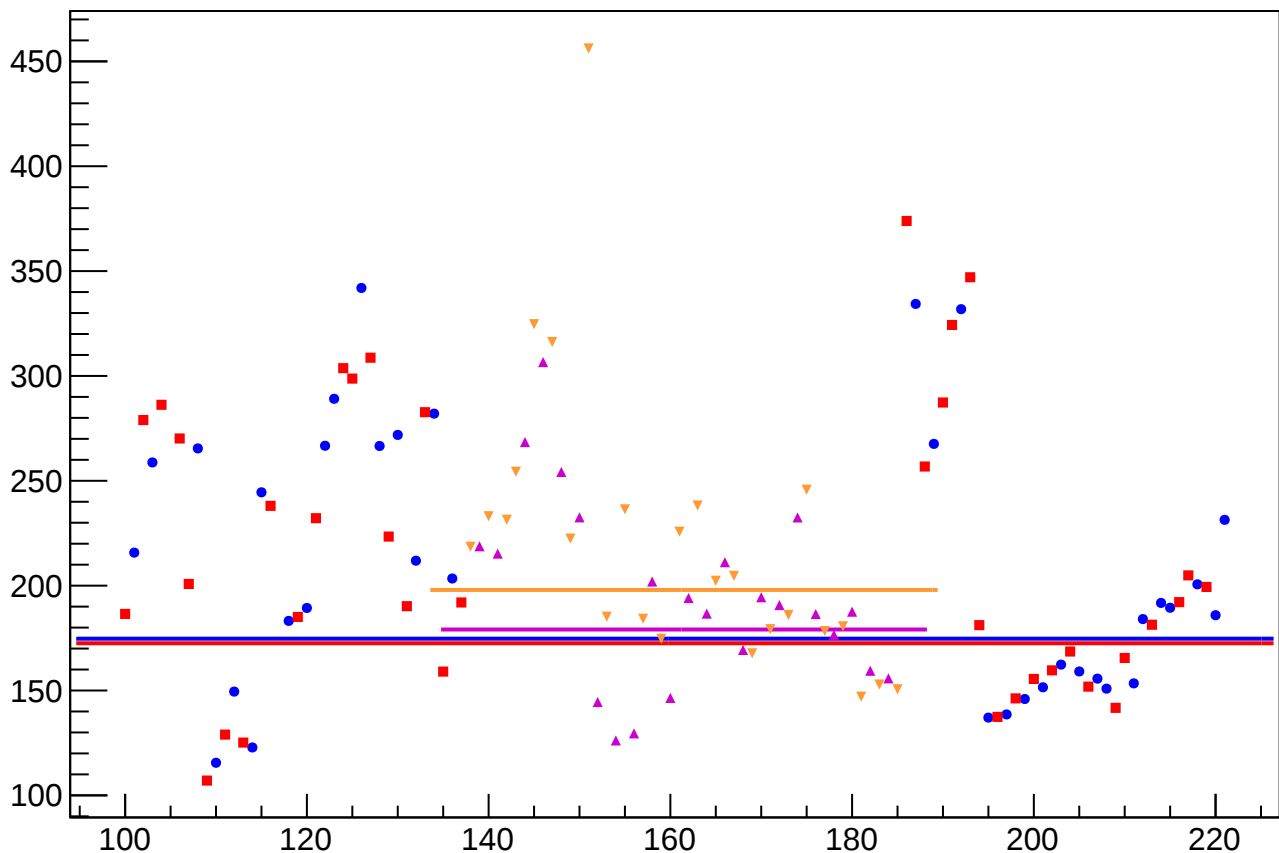
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign -33.948 ± 31.011 χ^2/NDF : 29.2/59

All: 0.543 ± 21.697 χ^2/NDF : 61.4/119

- sign 33.619 ± 30.369 χ^2/NDF : 29.8/59

asym_bcm_an_ds3_rms vs Slug



Right In: 174.712 $\pm$ 0.029 χ^2 /NDF: 2317557.4/34

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 172.525 $\pm$ 0.029 χ^2 /NDF: 2931309.5/36

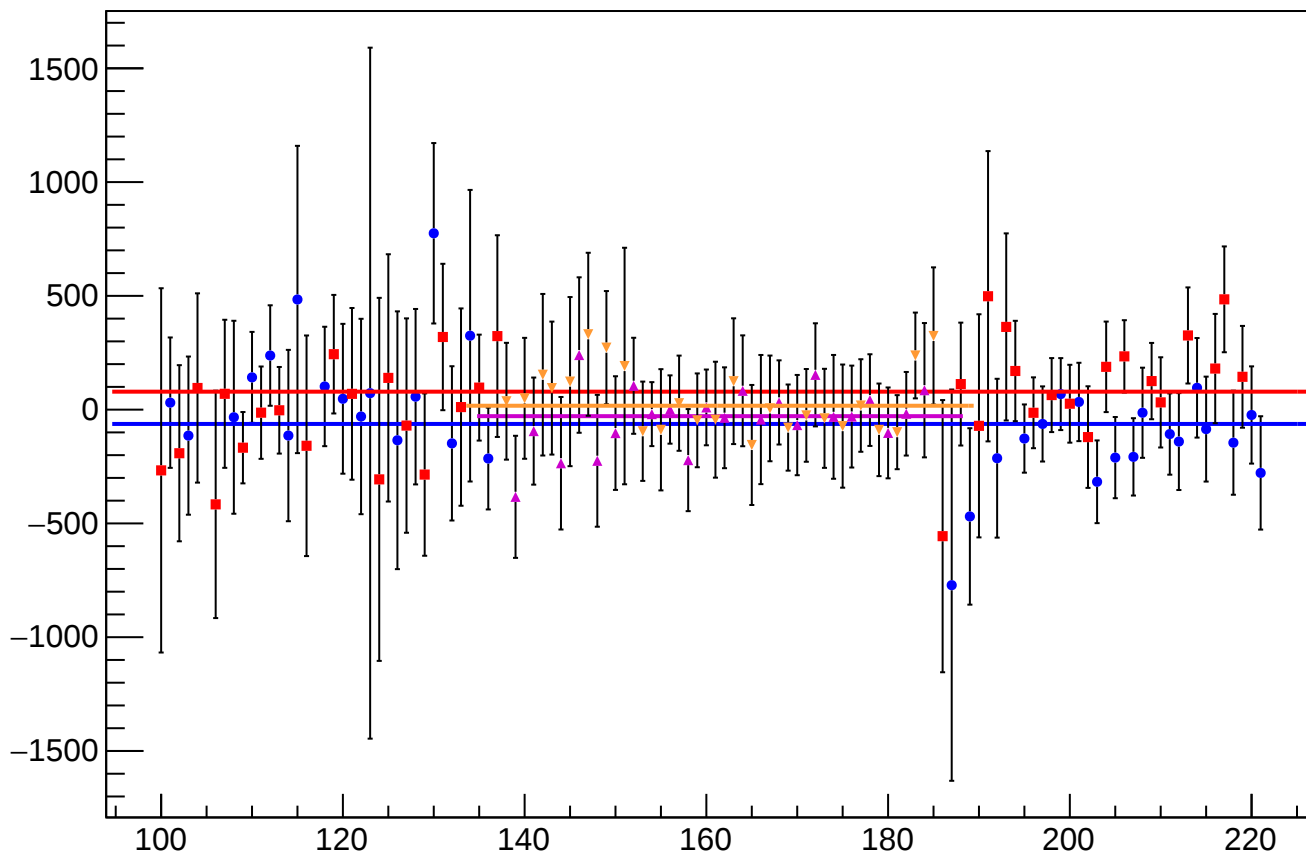
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 184.469 $\pm$ 0.022 χ^2 /NDF: 4365684.1/59

All: 179.899 $\pm$ 0.015 χ^2 /NDF: 9010340.8/119

- sign 175.518 $\pm$ 0.021 χ^2 /NDF: 4559602.5/59

asym_bcm_an_us_mean vs Slug



Right In: -62.854 ± 40.793 $\chi^2/\text{NDF}: 17.9/34$

Left Out: 17.142 ± 47.738 $\chi^2/\text{NDF}: 7.1/24$

Right Out: 78.985 ± 41.205 $\chi^2/\text{NDF}: 17.1/36$

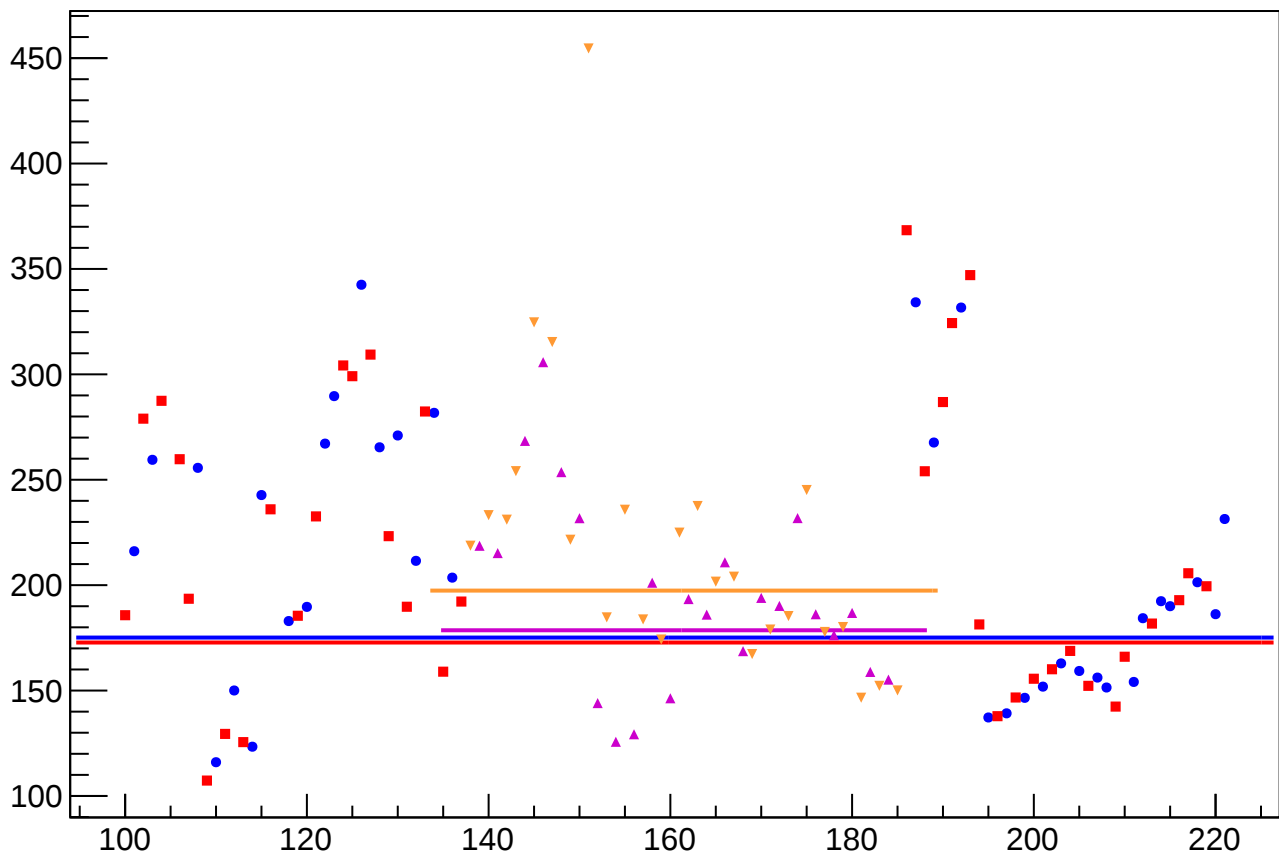
Left In: -28.655 ± 44.859 $\chi^2/\text{NDF}: 6.1/22$

+ sign -29.093 ± 31.012 $\chi^2/\text{NDF}: 26.6/59$

All: 0.956 ± 21.690 $\chi^2/\text{NDF}: 54.8/119$

- sign 29.727 ± 30.346 $\chi^2/\text{NDF}: 26.3/59$

asym_bcm_an_us_rms vs Slug



Right In: 175.140 $\pm$ 0.029 χ^2 /NDF: 2284058.7/34

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF:1780261.9/24

Right Out: 172.788 $\pm$ 0.029 χ^2 /NDF: 2884904.6/36

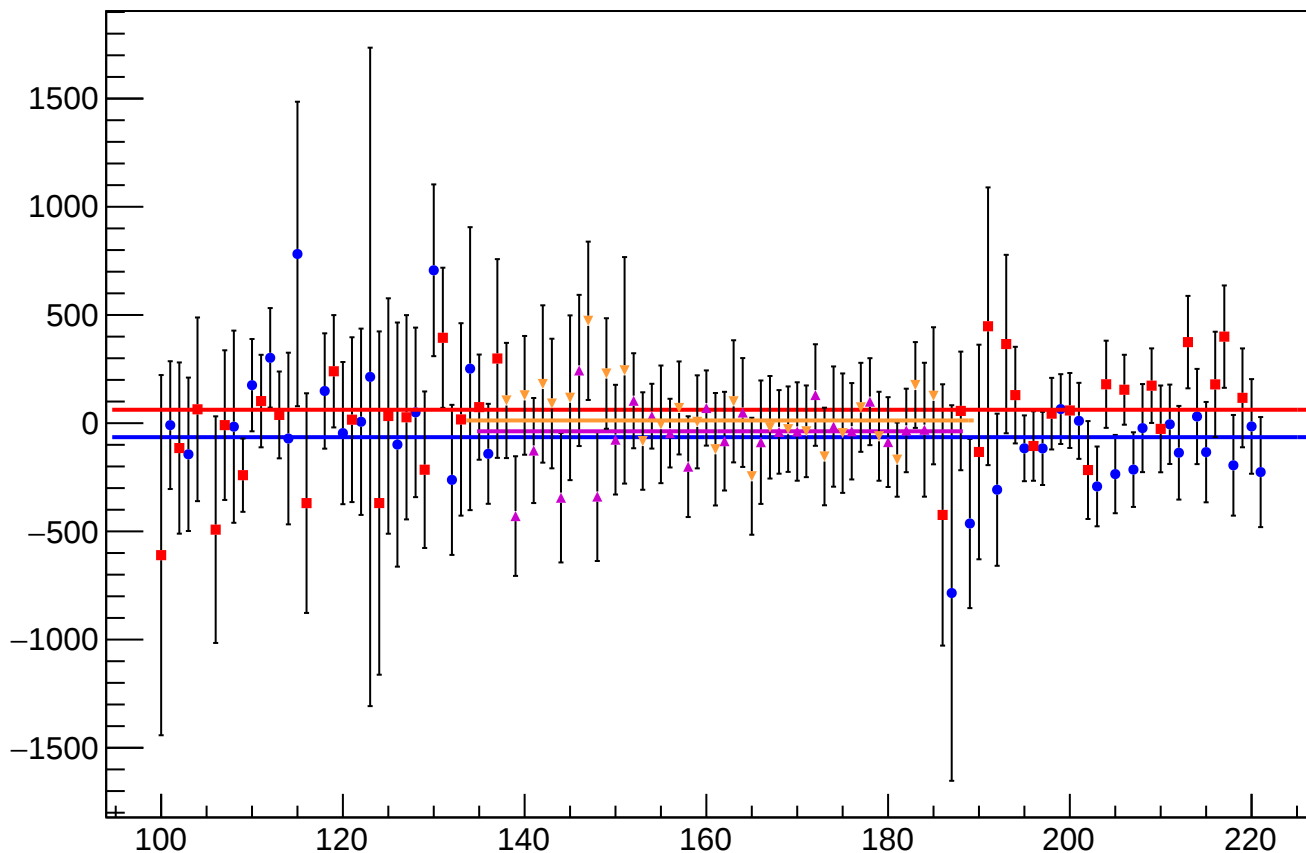
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF:1608998.1/22

+ sign 184.544 $\pm$ 0.022 χ^2 /NDF: 4316145.6/59

All: 179.897 $\pm$ 0.015 χ^2 /NDF: 8916146.4/119

- sign 175.448 $\pm$ 0.021 χ^2 /NDF: 4512118.2/59

asym_bcm_dg_us_mean vs Slug



Right In: -64.638 ± 41.656 χ^2/NDF : 18.3/34

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: 62.037 ± 42.258 χ^2/NDF : 18.8/36

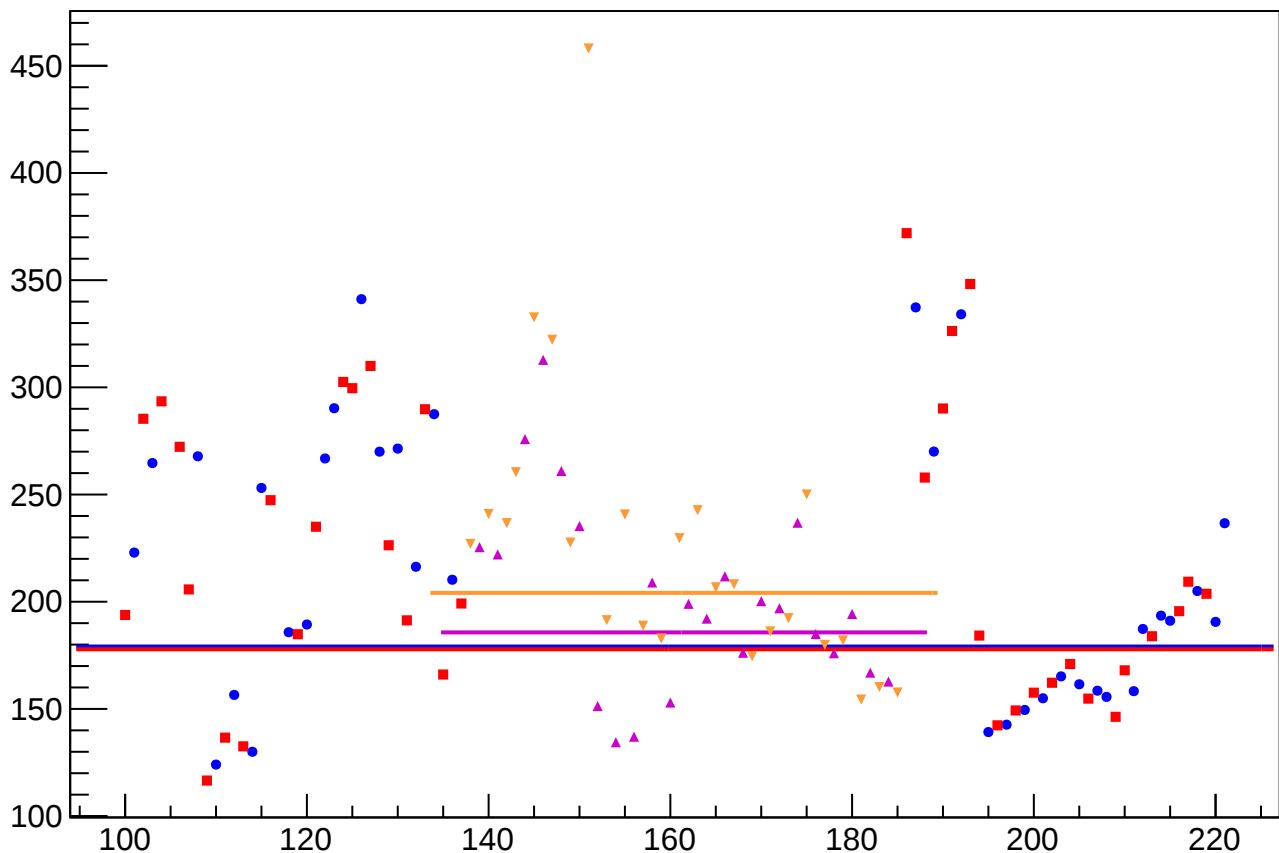
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign -32.407 ± 31.803 χ^2/NDF : 27.3/59

All: -7.278 ± 22.296 χ^2/NDF : 57.5/119

- sign 17.011 ± 31.267 χ^2/NDF : 29.0/59

asym_bcm_dg_us_rms vs Slug



Right In: 179.099 $\pm$ 0.029 χ^2 /NDF: 2198081.4/34

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 177.808 $\pm$ 0.030 χ^2 /NDF: 2691075.2/36

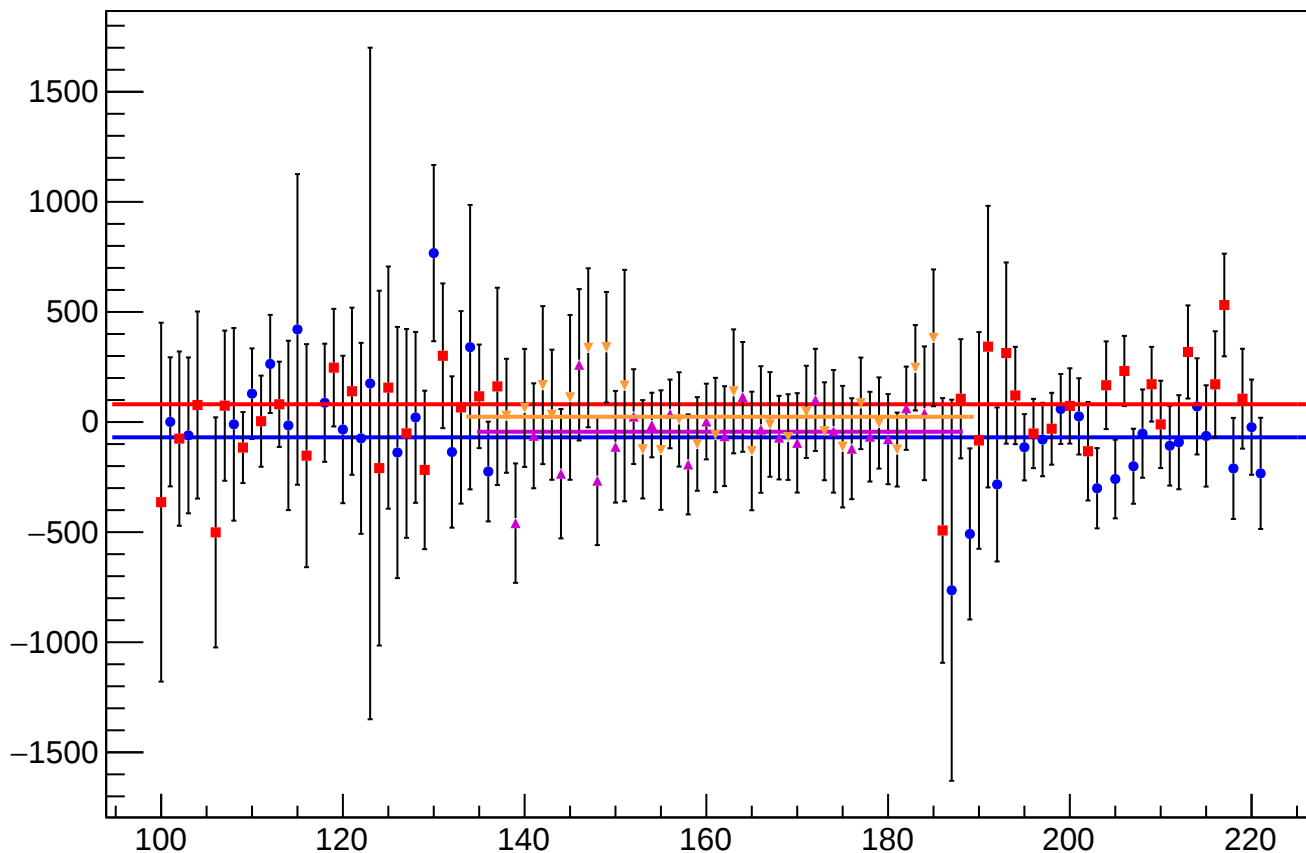
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 189.541 $\pm$ 0.022 χ^2 /NDF: 4171638.6/59

All: 185.389 $\pm$ 0.016 χ^2 /NDF: 8409010.5/119

- sign 181.377 $\pm$ 0.022 χ^2 /NDF: 4170356.0/59

asym_bcm_dg_ds_mean vs Slug



Right In: -69.381 ± 41.152 χ^2/NDF : 17.5/34

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 80.774 ± 41.627 χ^2/NDF : 15.7/36

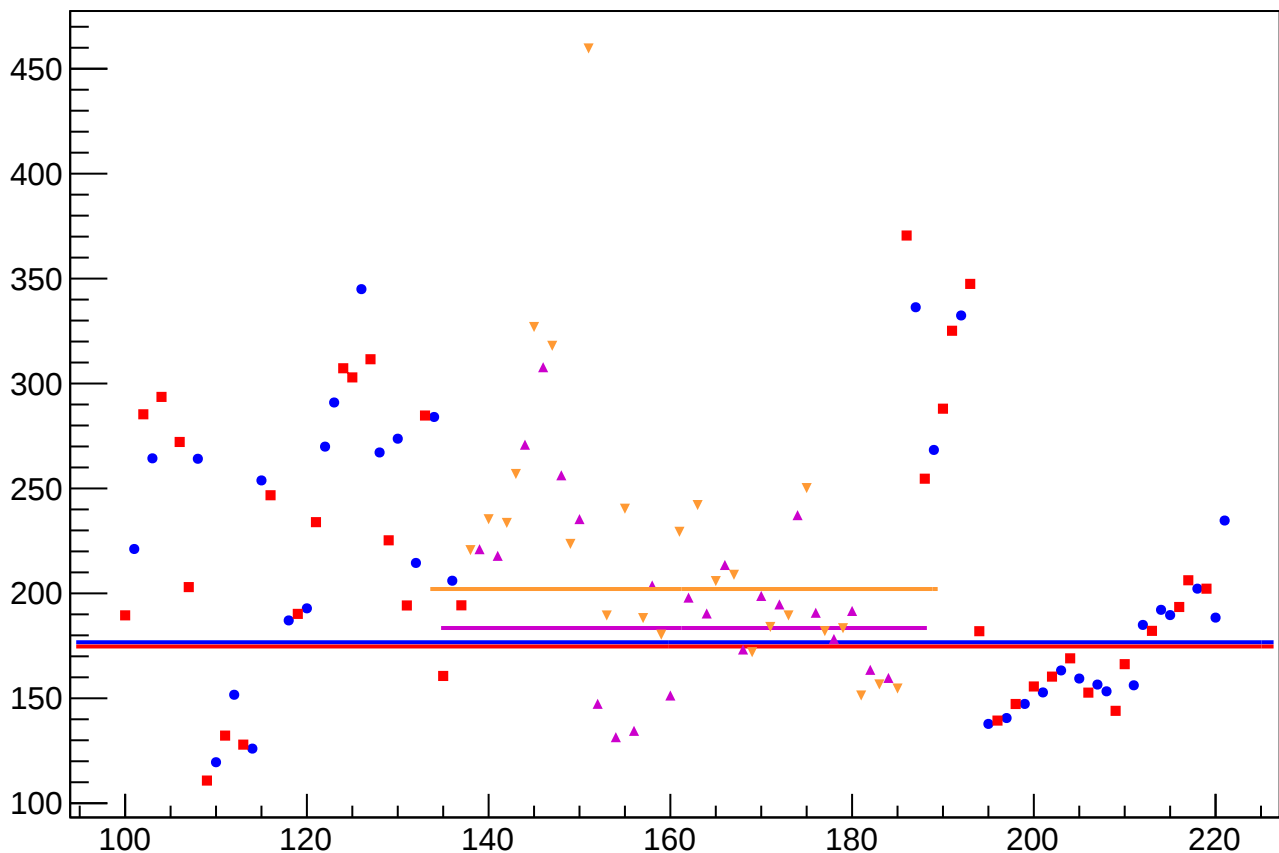
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign -30.623 ± 31.455 χ^2/NDF : 28.1/59

All: -2.492 ± 22.028 χ^2/NDF : 56.0/119

- sign 24.583 ± 30.859 χ^2/NDF : 26.3/59

asym_bcm_dg_ds_rms vs Slug



Right In: 176.707 $\pm$ 0.029 χ^2 /NDF: 2286750.1/34

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 174.690 $\pm$ 0.029 χ^2 /NDF: 2859143.0/36

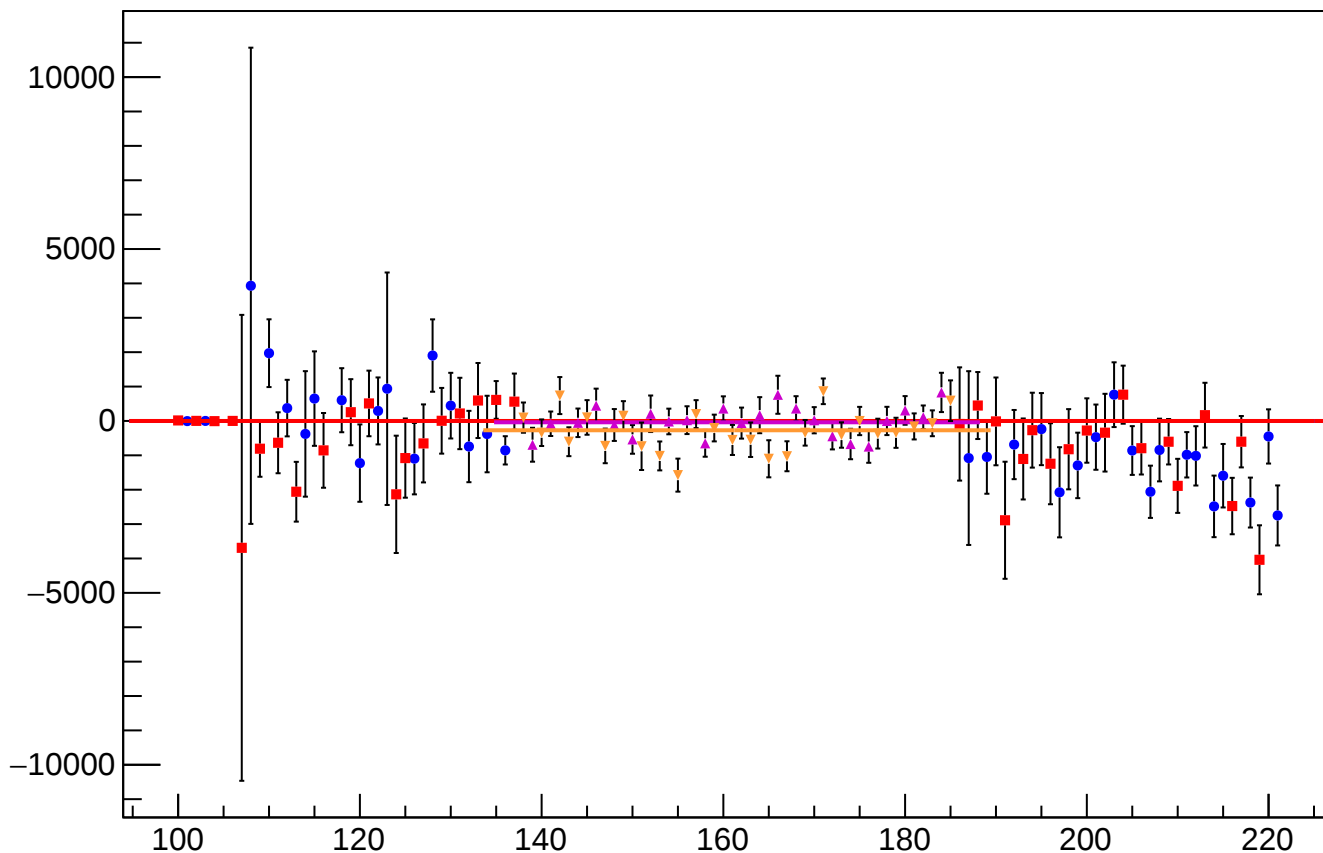
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 187.256 $\pm$ 0.022 χ^2 /NDF: 4295656.5/59

All: 182.875 $\pm$ 0.016 χ^2 /NDF: 8754672.3/119

- sign 178.658 $\pm$ 0.022 χ^2 /NDF: 4382857.5/59

asym_cav4bQ_mean vs Slug



Right In: -1.671 ± 2.251 χ^2/NDF : 69.2/34

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.801 ± 2.111 χ^2/NDF : 59.4/36

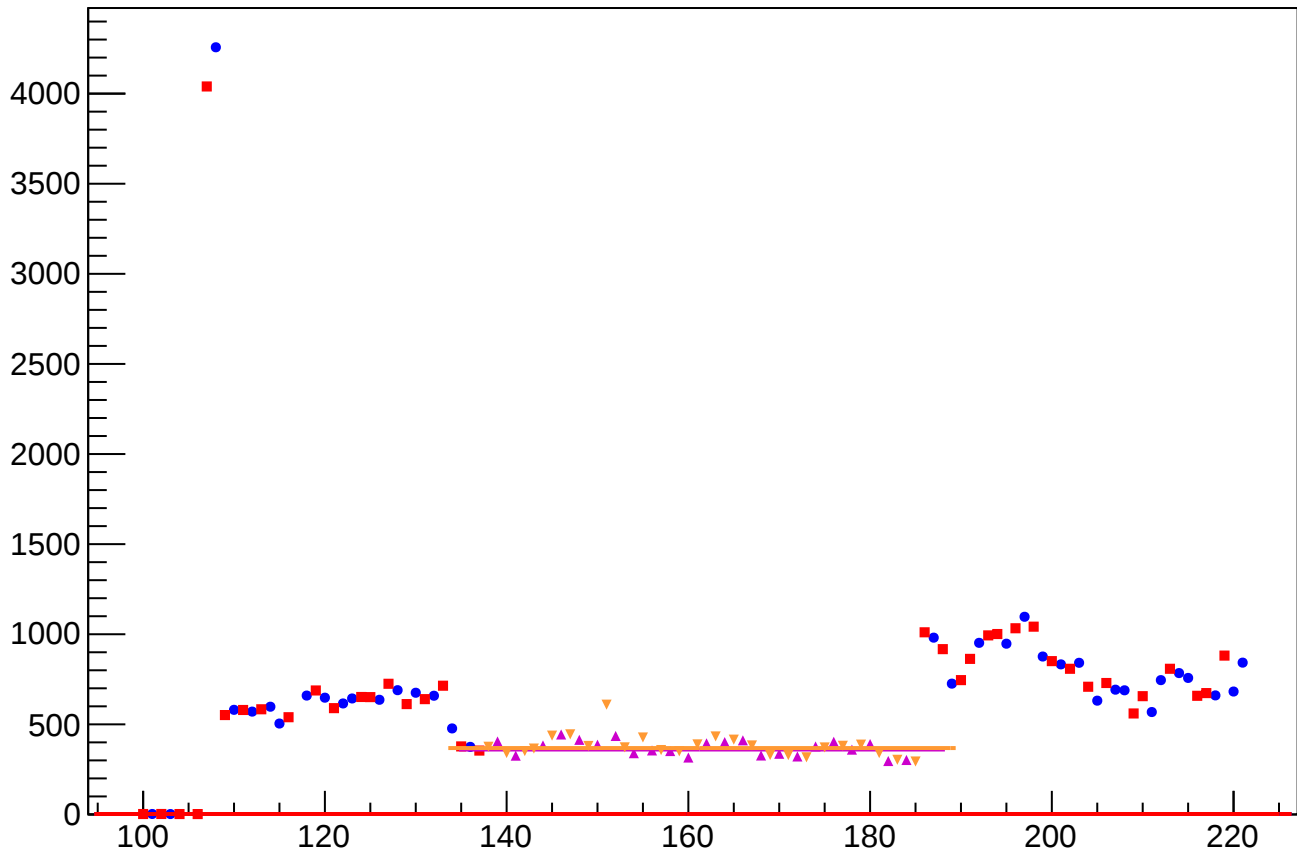
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.852 ± 2.251 χ^2/NDF : 116.8/59

All: -1.305 ± 1.539 χ^2/NDF : 196.8/119

- sign -0.824 ± 2.110 χ^2/NDF : 79.9/59

asym_cav4bQ_rms vs Slug



Right In: 2.542 $\pm$ 0.002 χ^2 /NDF: 36787227.8/34

Left Out: 368.397 $\pm$ 0.061 χ^2 /NDF: 622466.1/24

Right Out: 2.505 $\pm$ 0.001 χ^2 /NDF: 35585748.3/36

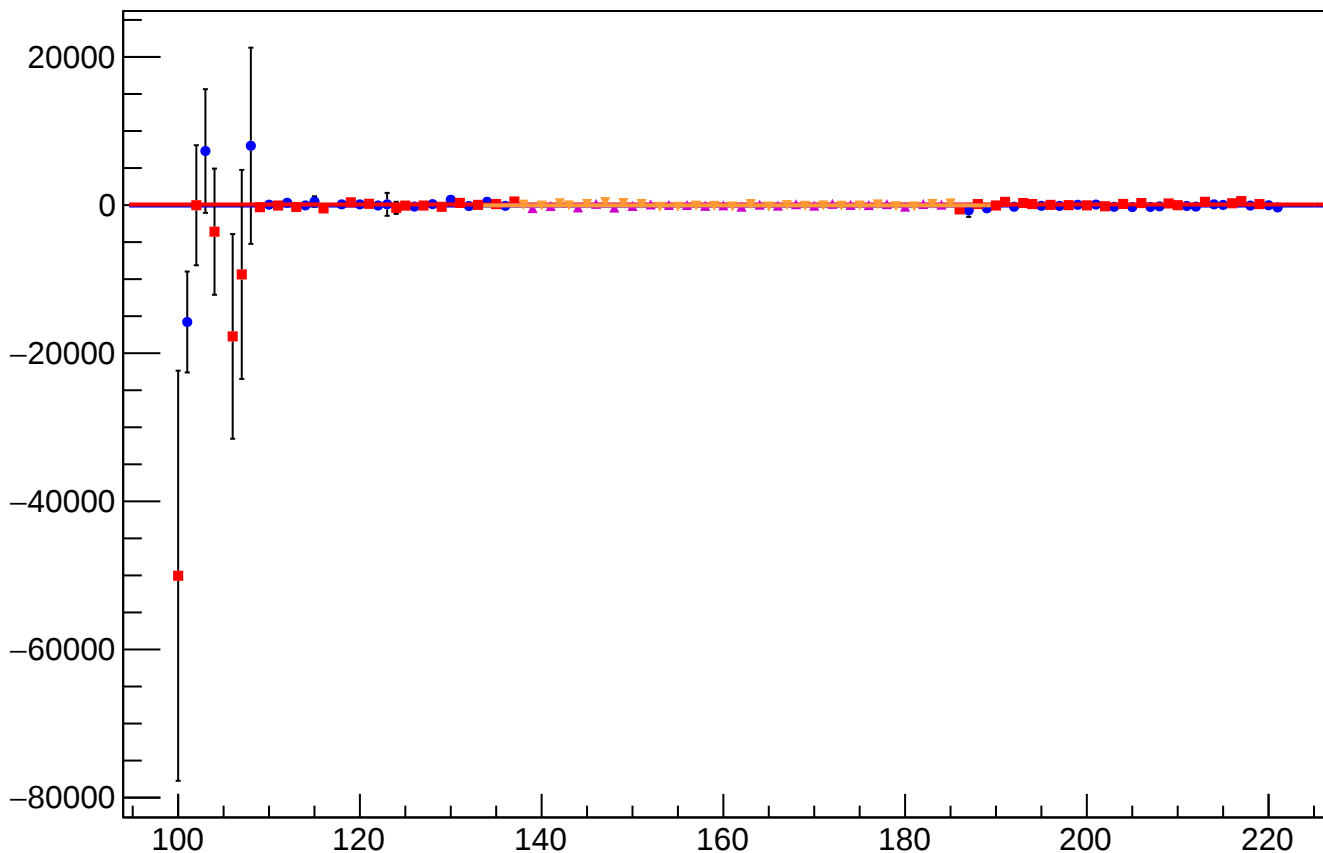
Left In: 360.408 $\pm$ 0.062 χ^2 /NDF: 417739.4/22

+ sign 2.787 $\pm$ 0.002 χ^2 /NDF: 72780459.3/59

All: 2.747 $\pm$ 0.001 χ^2 /NDF: 142022317.2/119

- sign 2.712 $\pm$ 0.001 χ^2 /NDF: 69240655.2/59

asym_cav4cQ_mean vs Slug



Right In: -64.503 $\pm$ 44.654 χ^2 /NDF: 22.9/34

Left Out: -38.013 $\pm$ 49.628 χ^2 /NDF: 9.3/24

Right Out: 82.086 $\pm$ 45.849 χ^2 /NDF: 28.4/36

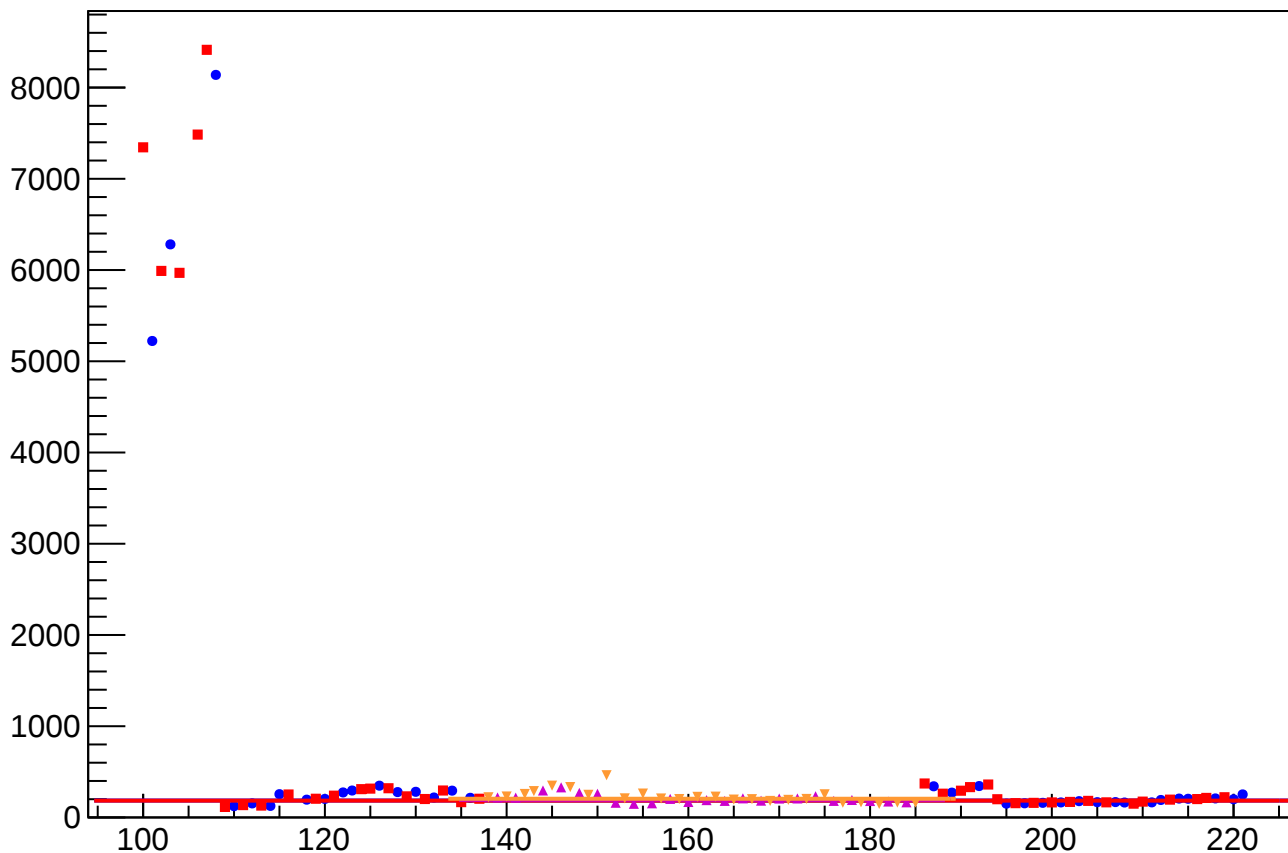
Left In: -28.205 $\pm$ 48.167 χ^2 /NDF: 9.2/22

+ sign -52.652 $\pm$ 33.195 χ^2 /NDF: 32.4/59

All: -11.515 $\pm$ 23.477 χ^2 /NDF: 75.8/119

- sign 29.658 $\pm$ 33.209 χ^2 /NDF: 40.3/59

asym_cav4cQ_rms vs Slug



Right In: 185.543 $\pm$ 0.032 χ^2 /NDF: 4741427.2/34

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 184.311 $\pm$ 0.032 χ^2 /NDF: 5519081.4/36

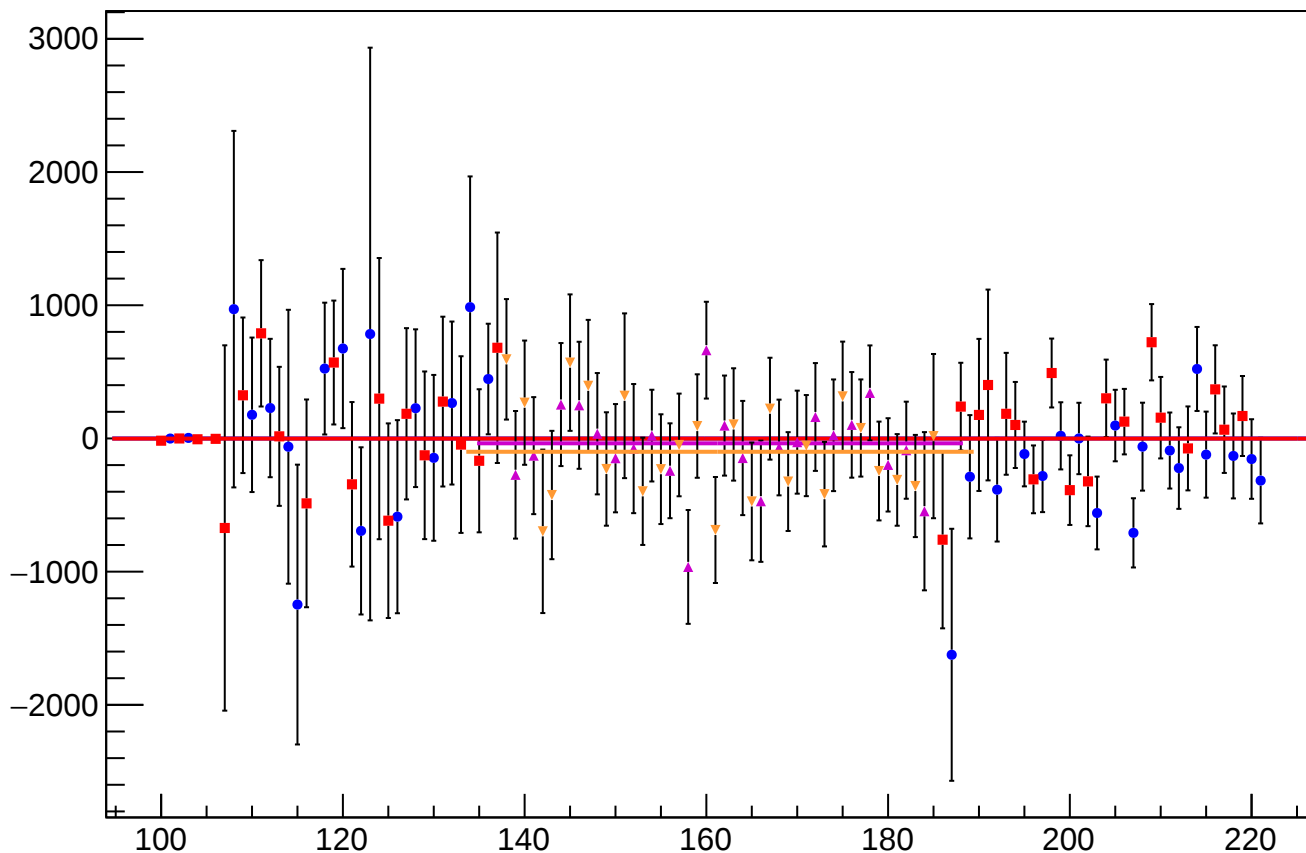
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 194.260 $\pm$ 0.023 χ^2 /NDF: 6867816.0/59

All: 191.448 $\pm$ 0.017 χ^2 /NDF: 13625179.8/136

- sign 188.634 $\pm$ 0.023 χ^2 /NDF: 6728649.5/59

asym_cav4dQ_mean vs Slug



Right In: -0.242 ± 1.736 χ^2/NDF : 32.4/34

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.272 ± 1.622 χ^2/NDF : 29.7/36

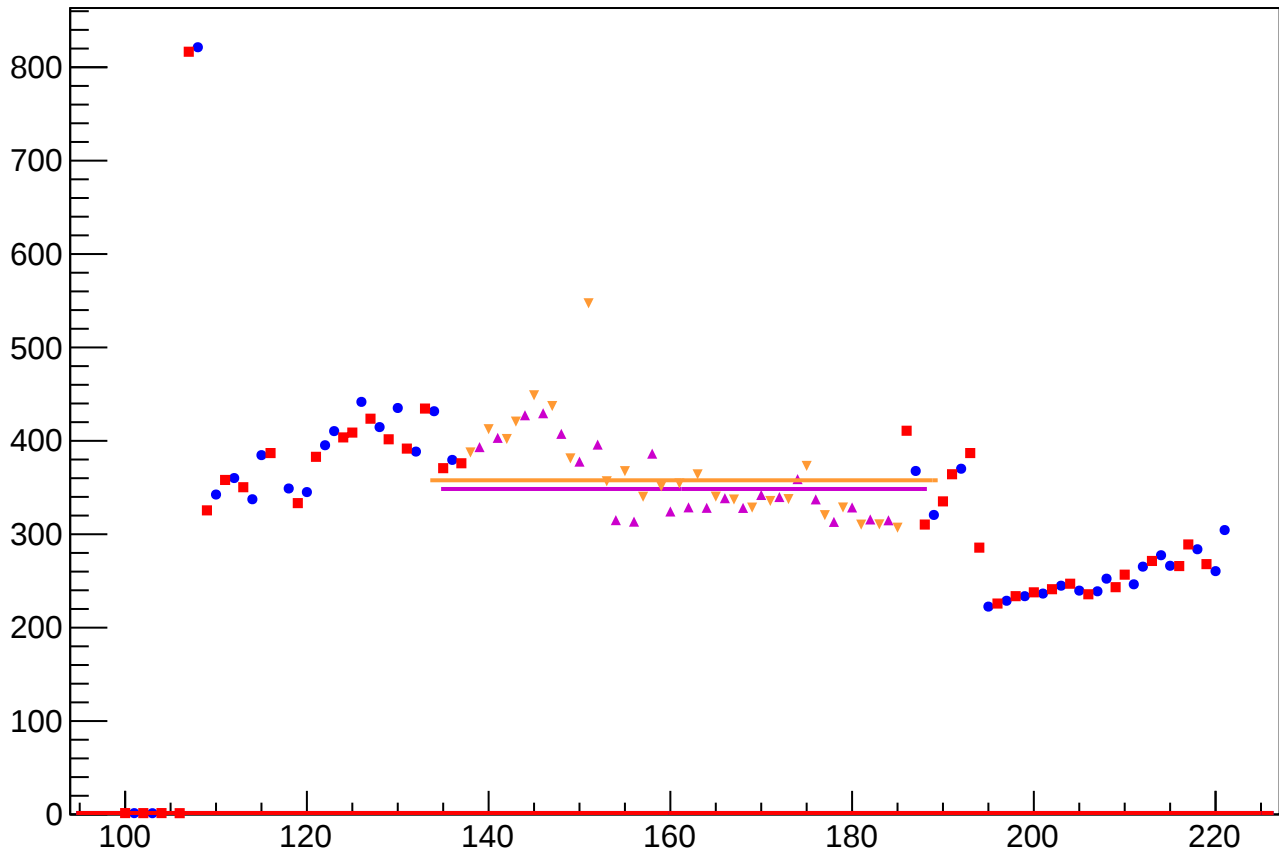
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.284 ± 1.736 χ^2/NDF : 49.5/59

All: -0.819 ± 1.185 χ^2/NDF : 93.1/119

- sign -1.285 ± 1.622 χ^2/NDF : 43.4/59

asym_cav4dQ_rms vs Slug



Right In: 1.604 ± 0.001 $\chi^2/\text{NDF}: 36922941.7/34$

Left Out: 357.771 ± 0.060 $\chi^2/\text{NDF}: 547124.8/24$

Right Out: 1.572 ± 0.001 $\chi^2/\text{NDF}: 35287544.7/36$

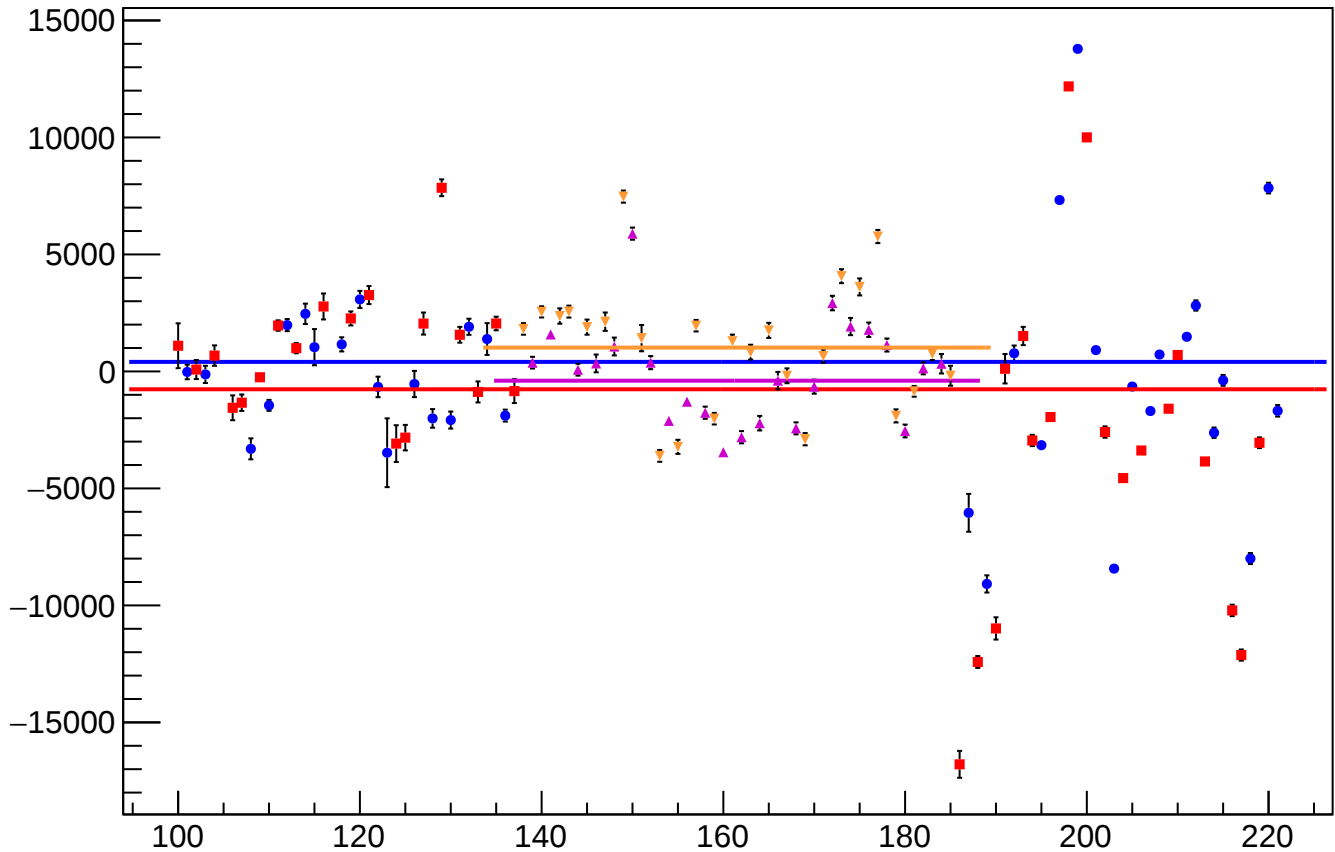
Left In: 348.464 ± 0.060 $\chi^2/\text{NDF}: 360425.7/22$

+ sign 1.755 ± 0.001 $\chi^2/\text{NDF}: 73249577.6/59$

All: 1.725 ± 0.001 $\chi^2/\text{NDF}: 142452884.5/119$

- sign 1.699 ± 0.001 $\chi^2/\text{NDF}: 69202174.4/59$

asym_bcm0l02_mean vs Slug



Right In: 407.495 $\pm$ 44.117 χ^2 /NDF: 13588.0/34

Left Out: 1018.965 $\pm$ 57.402 χ^2 /NDF: 2310.1/24

Right Out: -763.132 $\pm$ 44.580 χ^2 /NDF: 17903.7/36

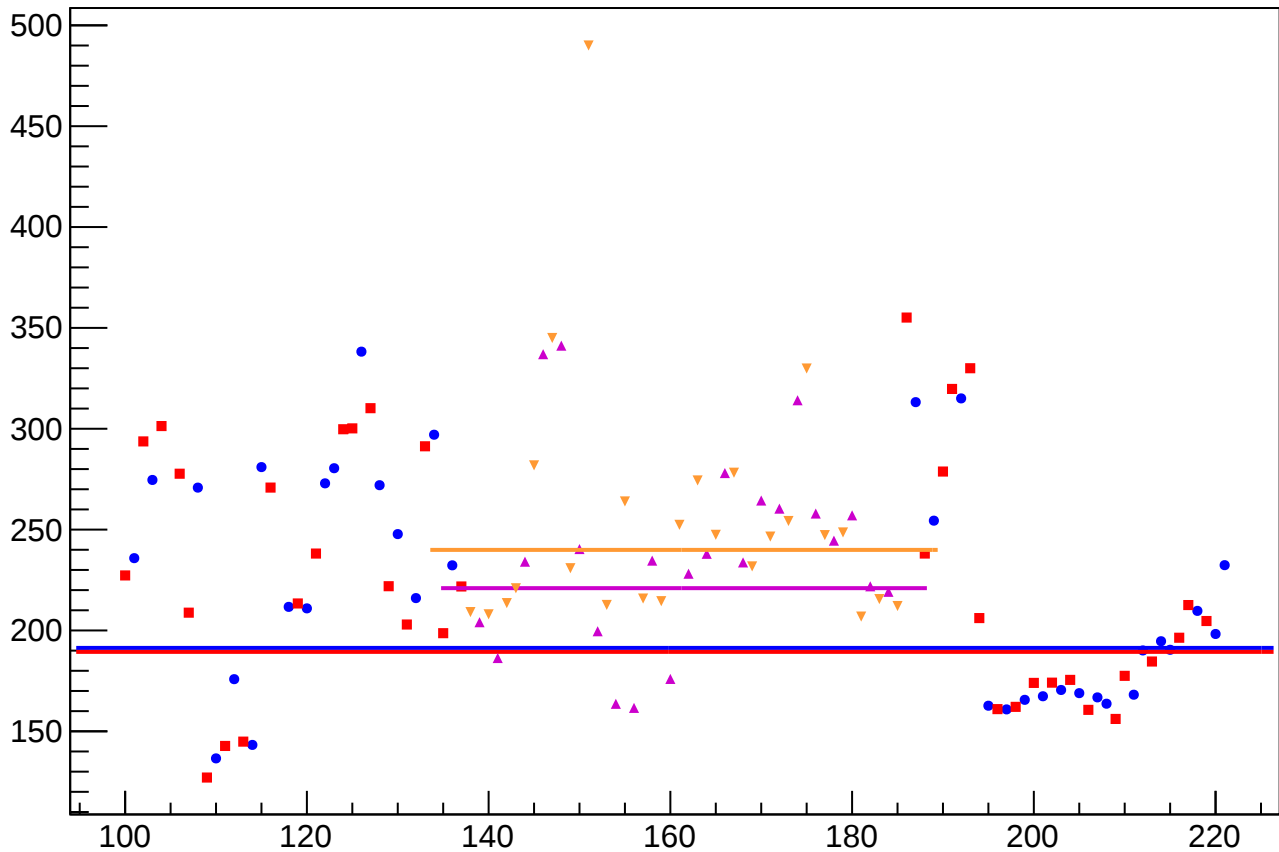
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF: 1581.0/22

+ sign 634.559 $\pm$ 34.979 χ^2 /NDF: 15969.5/59

All: 2.391 $\pm$ 24.619 χ^2 /NDF: 36128.1/119

- sign -618.095 $\pm$ 34.655 χ^2 /NDF: 19511.4/59

asym_bcm0l02_rms vs Slug



Right In: 191.348 $\pm$ 0.031 χ^2 /NDF: 1622217.8/34

Left Out: 239.942 $\pm$ 0.041 χ^2 /NDF:1000770.0/24

Right Out: 189.387 $\pm$ 0.032 χ^2 /NDF: 2154007.4/36

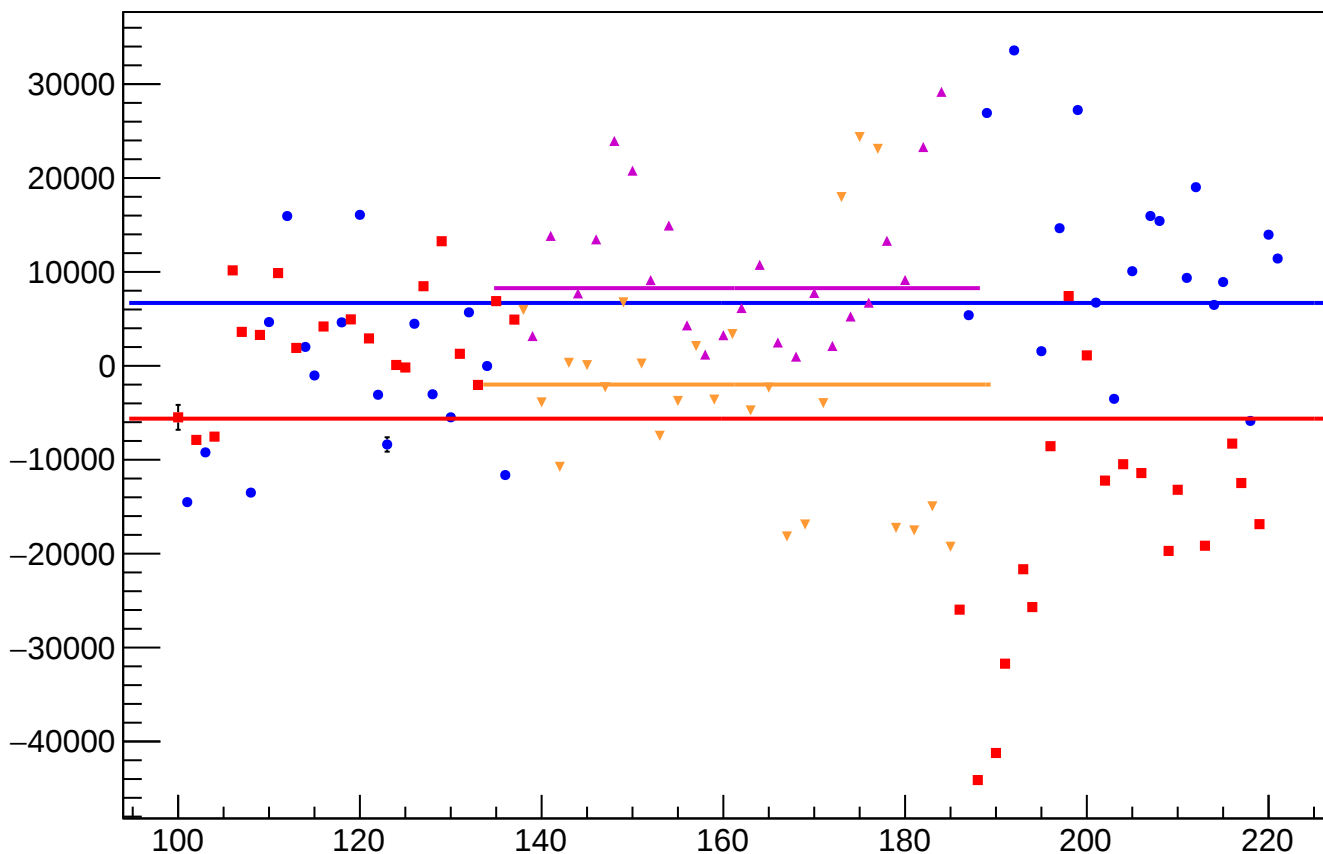
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 209.393 $\pm$ 0.025 χ^2 /NDF: 3524034.1/59

All: 205.604 $\pm$ 0.017 χ^2 /NDF: 7449489.1/119

- sign 201.885 $\pm$ 0.025 χ^2 /NDF: 3878956.8/59

asym_bpm0i02WS_mean vs Slug



Right In: 6697.508+/-38.234 χ^2/NDF : 97322.3/34

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -5624.144+/-37.551 χ^2/NDF : 146871.1/36

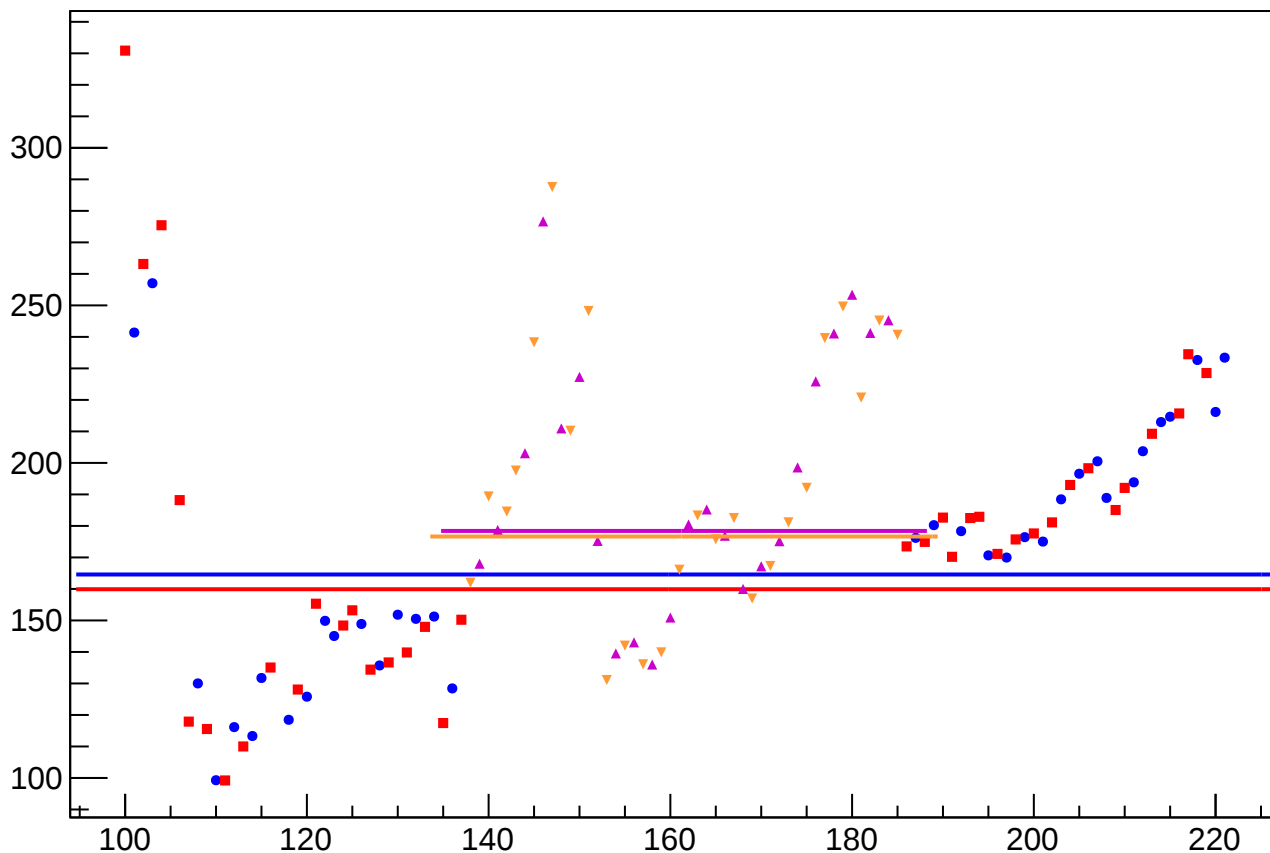
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 2803.261+/-28.403 χ^2/NDF : 184236.0/59

All: 1505.894+/-20.169 χ^2/NDF : 415450.7/11

- sign 186.272+/-28.645 χ^2/NDF : 227006.0/59

asym_bpm0i02WS_rms vs Slug



Right In: 164.590 $\pm$ 0.027 χ^2 /NDF: 2040126.8/34

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 159.906 $\pm$ 0.027 χ^2 /NDF: 2145050.8/36

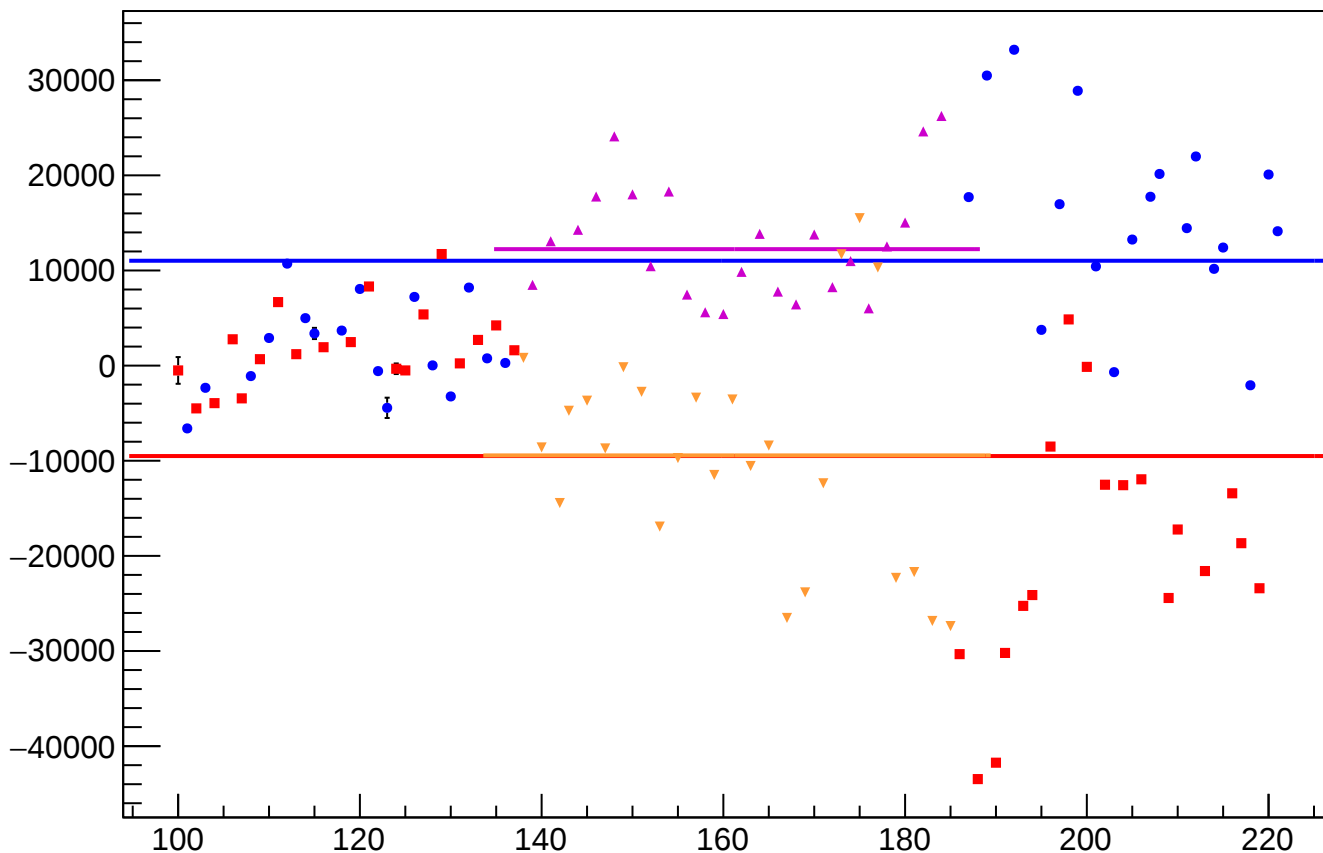
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 169.991 $\pm$ 0.020 χ^2 /NDF: 3680221.7/59

All: 168.827 $\pm$ 0.014 χ^2 /NDF: 7328894.0/119

- sign 167.644 $\pm$ 0.020 χ^2 /NDF: 3641903.3/59

asym_bpm0i02aWS_mean vs Slug



Right In: 11022.905 $\pm$ 41.709 χ^2 /NDF: 59144.8/34

Left Out: -9437.408 $\pm$ 45.534 χ^2 /NDF: 62220.4/24

Right Out: -9506.011 $\pm$ 41.283 χ^2 /NDF: 120349.6/36

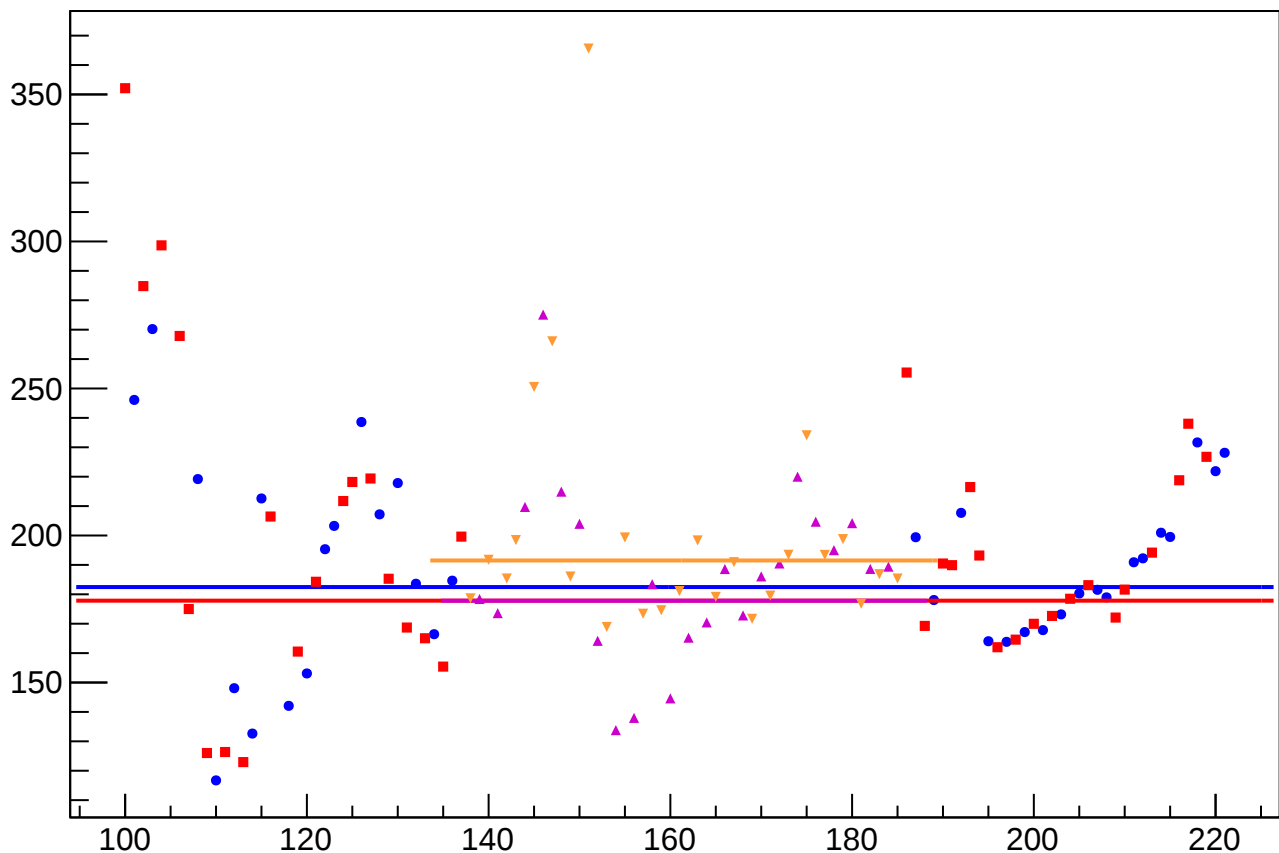
Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF: 16615.8/22

+ sign 1688.235 $\pm$ 30.756 χ^2 /NDF: 231154.3/59

All: 1177.955 $\pm$ 21.508 χ^2 /NDF: 498764.5/11

- sign 689.593 $\pm$ 30.088 χ^2 /NDF: 267071.4/59

asym_bpm0i02aWS_rms vs Slug



Right In: 182.464 $\pm$ 0.029 χ^2 /NDF: 1031770.9/34

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 177.840 $\pm$ 0.029 χ^2 /NDF: 1388827.0/36

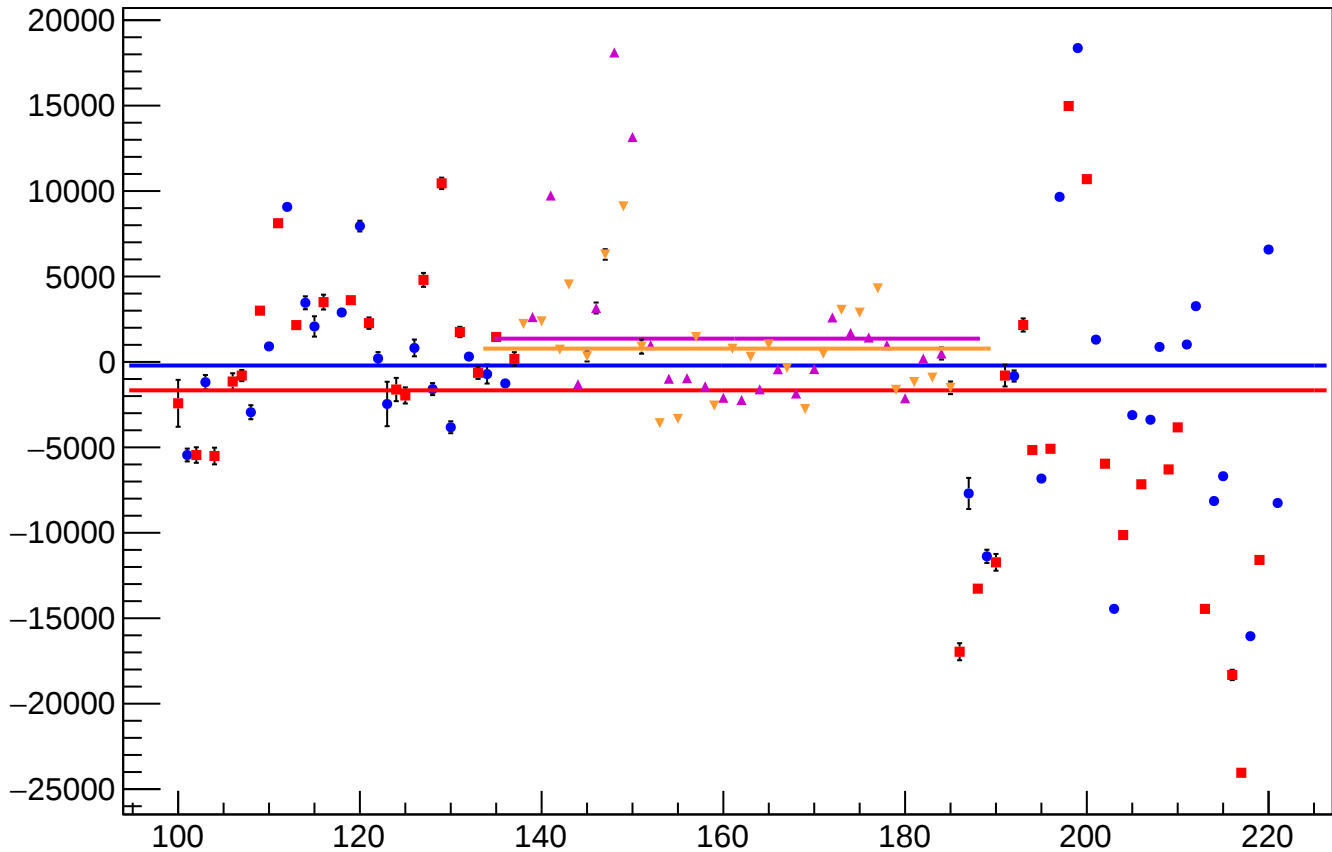
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 186.589 $\pm$ 0.022 χ^2 /NDF: 1801917.5/59

All: 182.114 $\pm$ 0.015 χ^2 /NDF: 4136102.6/119

- sign 177.832 $\pm$ 0.021 χ^2 /NDF: 2251321.5/59

asym_bpm0i05WS_mean vs Slug



Right In: -210.334 ± 46.763 χ^2/NDF : 26900.0/34

Left Out: 779.983 ± 47.457 χ^2/NDF : 4260.8/24

Right Out: -1663.290 ± 46.406 χ^2/NDF : 35770.8/36

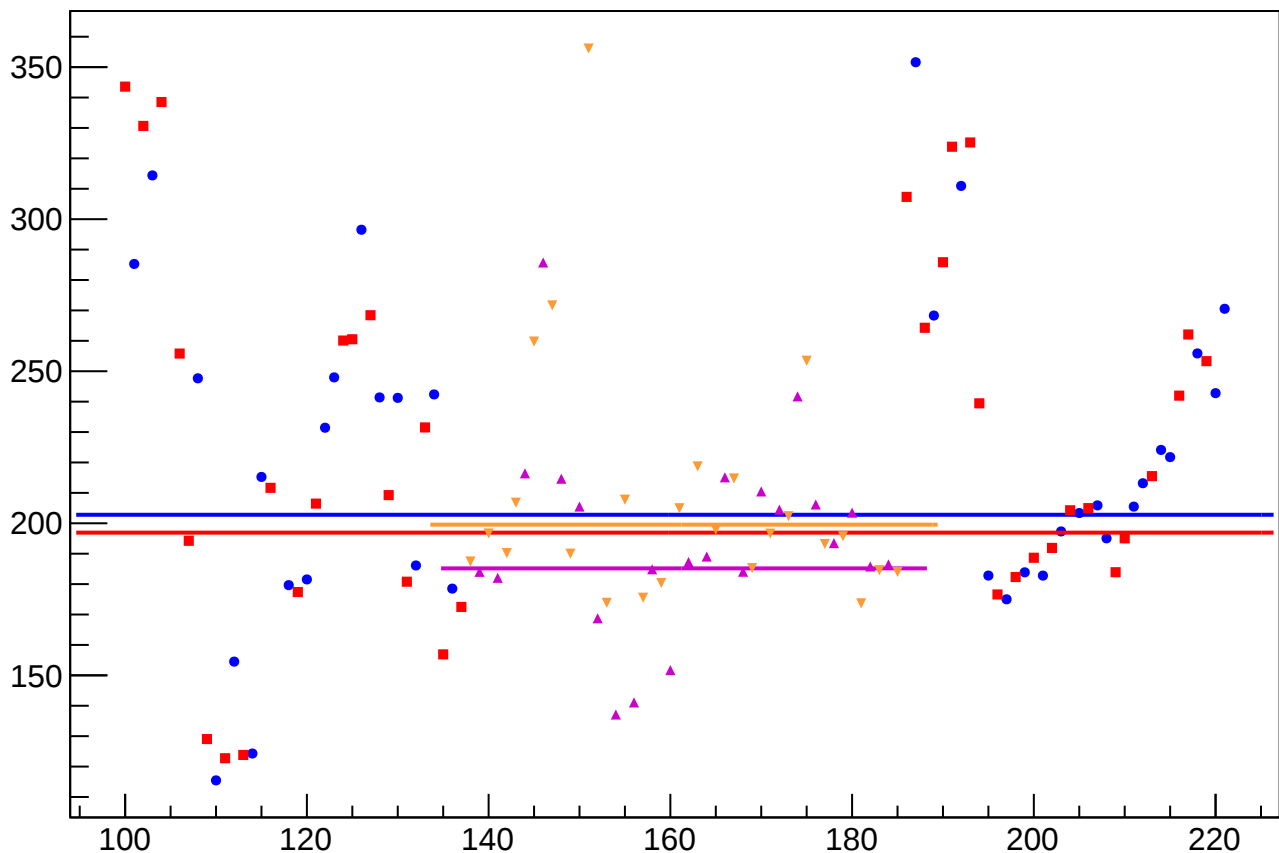
Left In: 1363.043 ± 45.807 χ^2/NDF : 11632.9/22

+ sign 277.523 ± 33.309 χ^2/NDF : 31381.7/59

All: 69.144 ± 23.298 χ^2/NDF : 81016.1/119

- sign -130.457 ± 32.600 χ^2/NDF : 49557.7/59

asym_bpm0i05WS_rms vs Slug



Right In: 202.799 ± 0.033 χ^2/NDF : 1712407.3/34

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 196.925 ± 0.033 χ^2/NDF : 2402441.1/36

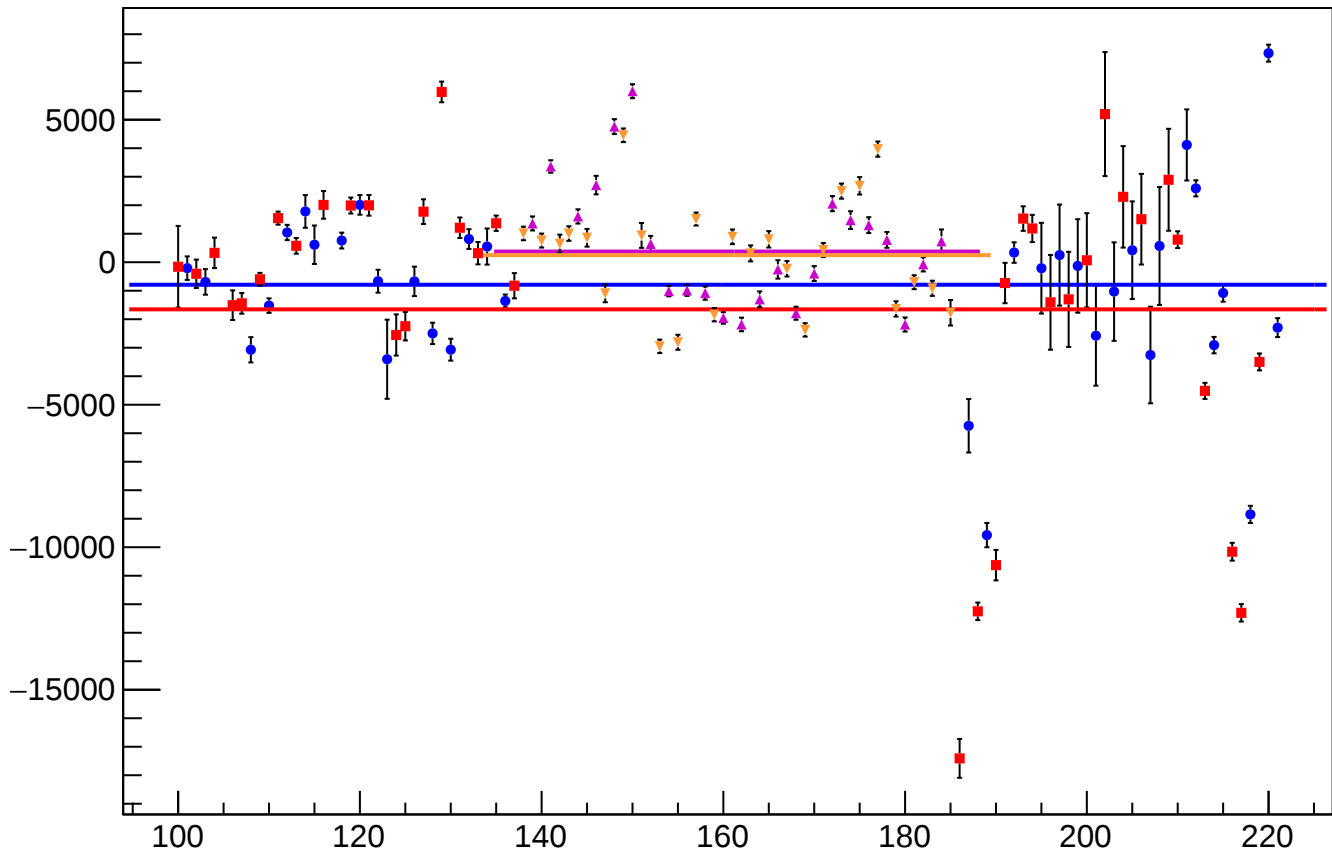
Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

+ sign 201.197 ± 0.024 χ^2/NDF : 2446529.2/59

All: 195.974 ± 0.016 χ^2/NDF : 5892985.6/119

- sign 190.972 ± 0.023 χ^2/NDF : 3350191.4/59

asym_bpm0i07WS_mean vs Slug



Right In: -789.969 ± 68.820 χ^2/NDF : 2454.1/34

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -1653.608 ± 65.299 χ^2/NDF : 5640.1/36

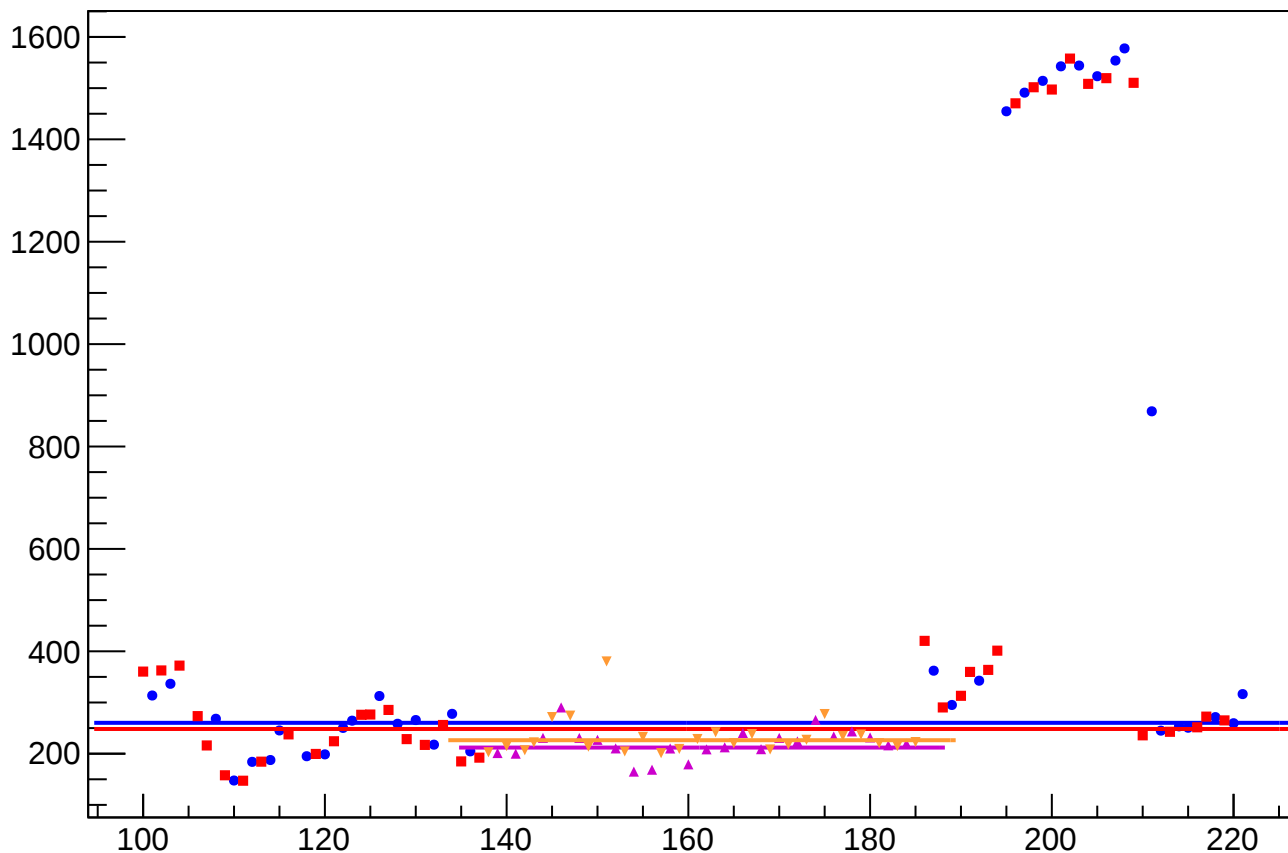
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -143.588 ± 42.265 χ^2/NDF : 3950.8/59

All: -283.722 ± 29.317 χ^2/NDF : 12002.7/119

- sign -413.676 ± 40.701 χ^2/NDF : 8030.8/59

asym_bpm0i07WS_rms vs Slug



Right In: 260.297 $\pm$ 0.049 χ^2 /NDF: 10211166.5/34

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 248.287 $\pm$ 0.046 χ^2 /NDF: 9294733.7/36

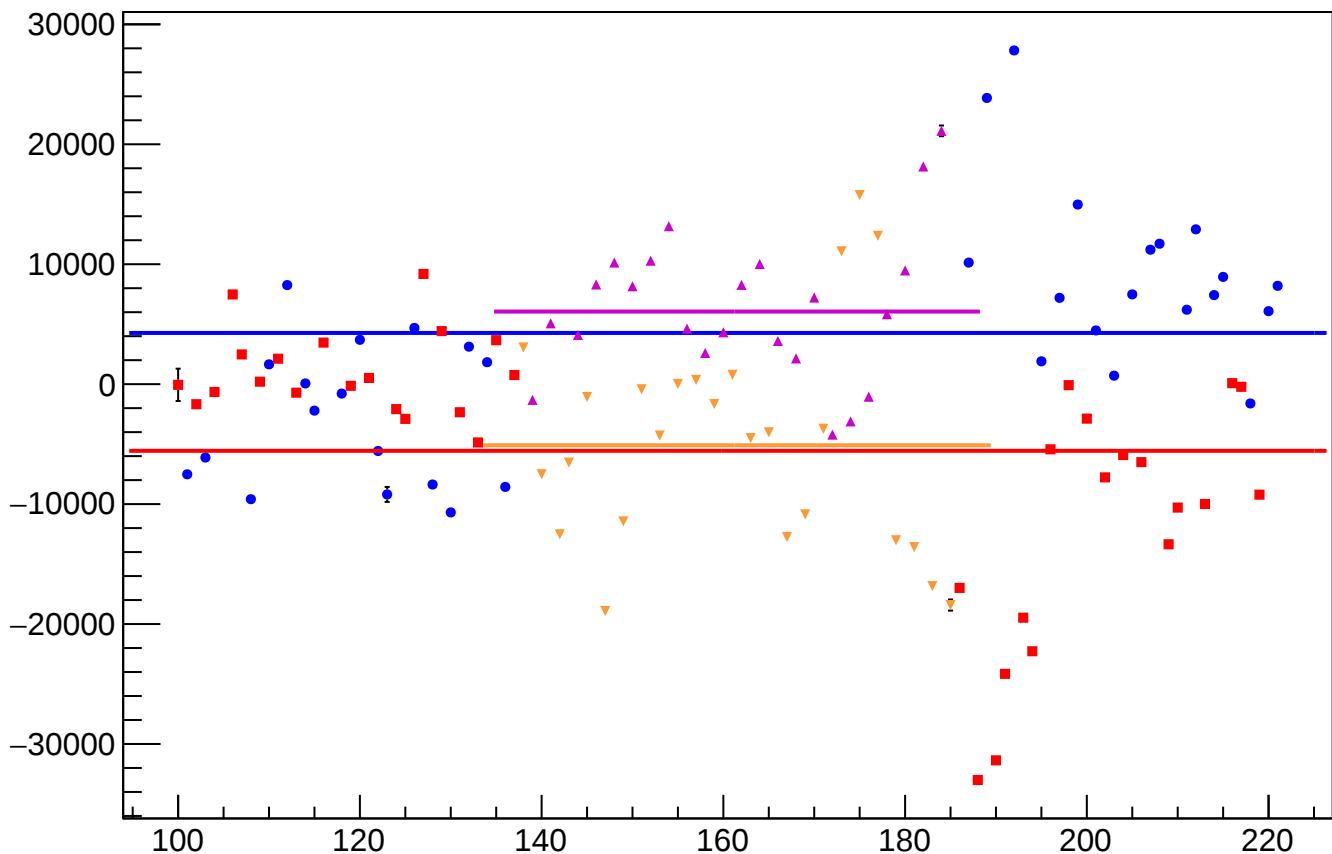
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 239.136 $\pm$ 0.030 χ^2 /NDF: 11035794.9/59

All: 232.362 $\pm$ 0.021 χ^2 /NDF: 21392181.2/11

- sign 226.080 $\pm$ 0.029 χ^2 /NDF: 10257358.7/59

asym_bpm1i02WS_mean vs Slug



Right In: 4270.727 ± 32.521 $\chi^2/\text{NDF}: 81247.8/34$

Left Out: -5095.305 ± 33.703 $\chi^2/\text{NDF}: 54395.4/24$

Right Out: -5557.266 ± 31.715 $\chi^2/\text{NDF}: 105365.4/36$

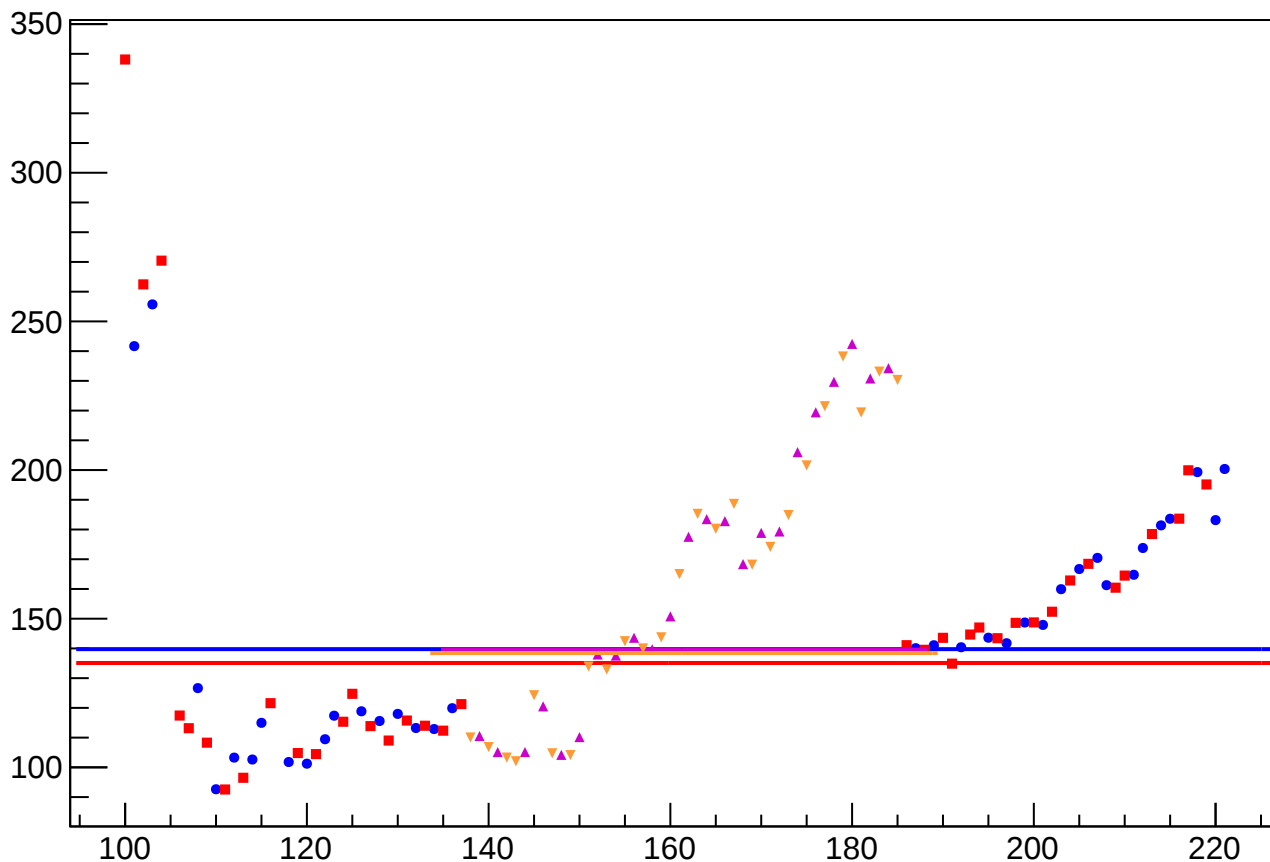
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -245.123 ± 23.403 $\chi^2/\text{NDF}: 175634.4/59$

All: -283.290 ± 16.583 $\chi^2/\text{NDF}: 359029.2/11$

- sign -321.779 ± 23.501 $\chi^2/\text{NDF}: 183389.5/59$

asym_bpm1i02WS_rms vs Slug



Right In: 139.759+/-0.023 χ^2/NDF : 2059540.7/34

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 135.104+/-0.022 χ^2/NDF : 2016763.8/36

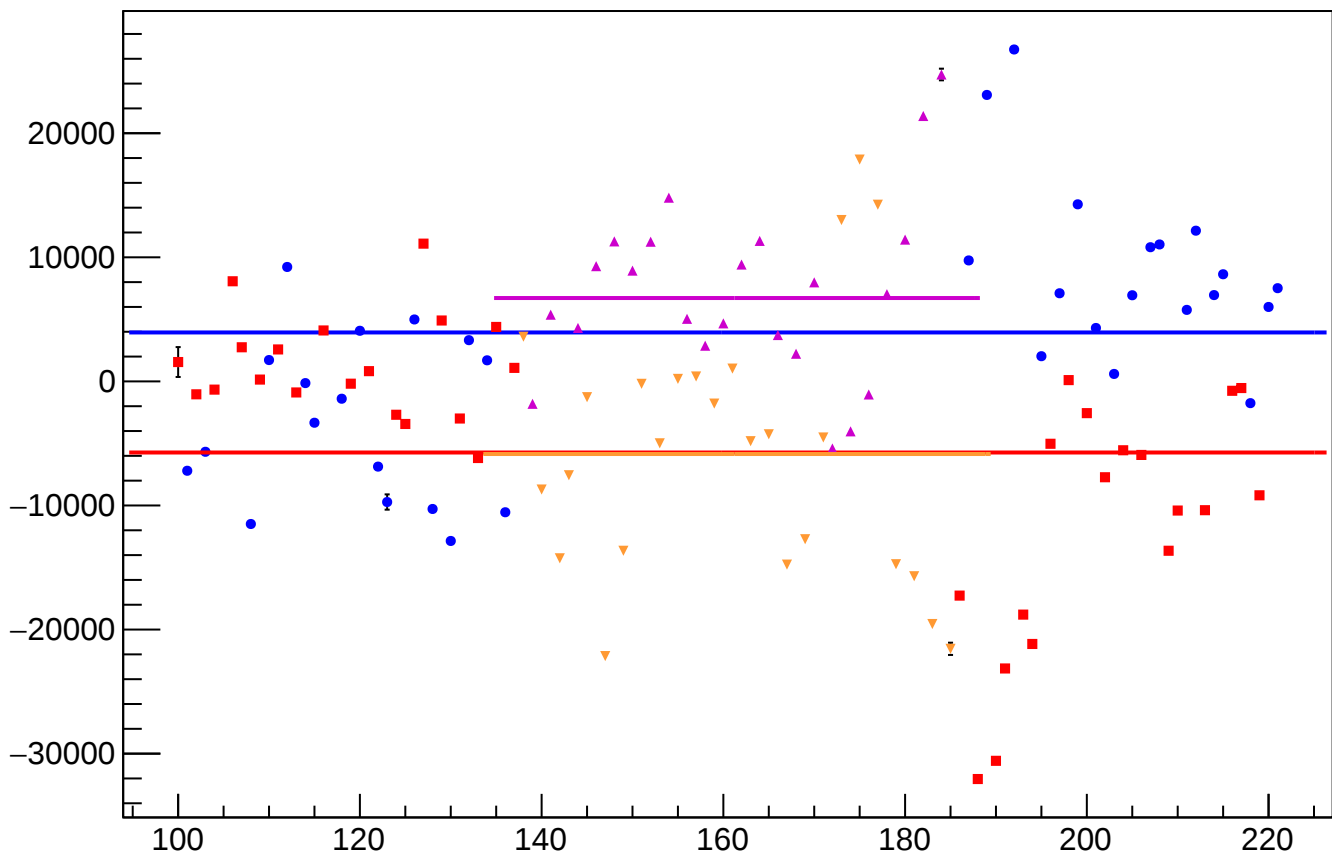
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 139.121+/-0.017 χ^2/NDF : 4610573.9/59

All: 138.125+/-0.012 χ^2/NDF : 9066210.7/119

- sign 137.121+/-0.017 χ^2/NDF : 4448365.8/59

asym_bpm2i01WS_mean vs Slug



Right In: 3943.926 ± 32.389 $\chi^2/\text{NDF}: 86371.1/34$

Left Out: -5852.544 ± 35.880 $\chi^2/\text{NDF}: 63411.4/24$

Right Out: -5730.892 ± 31.750 $\chi^2/\text{NDF}: 106042.0/36$

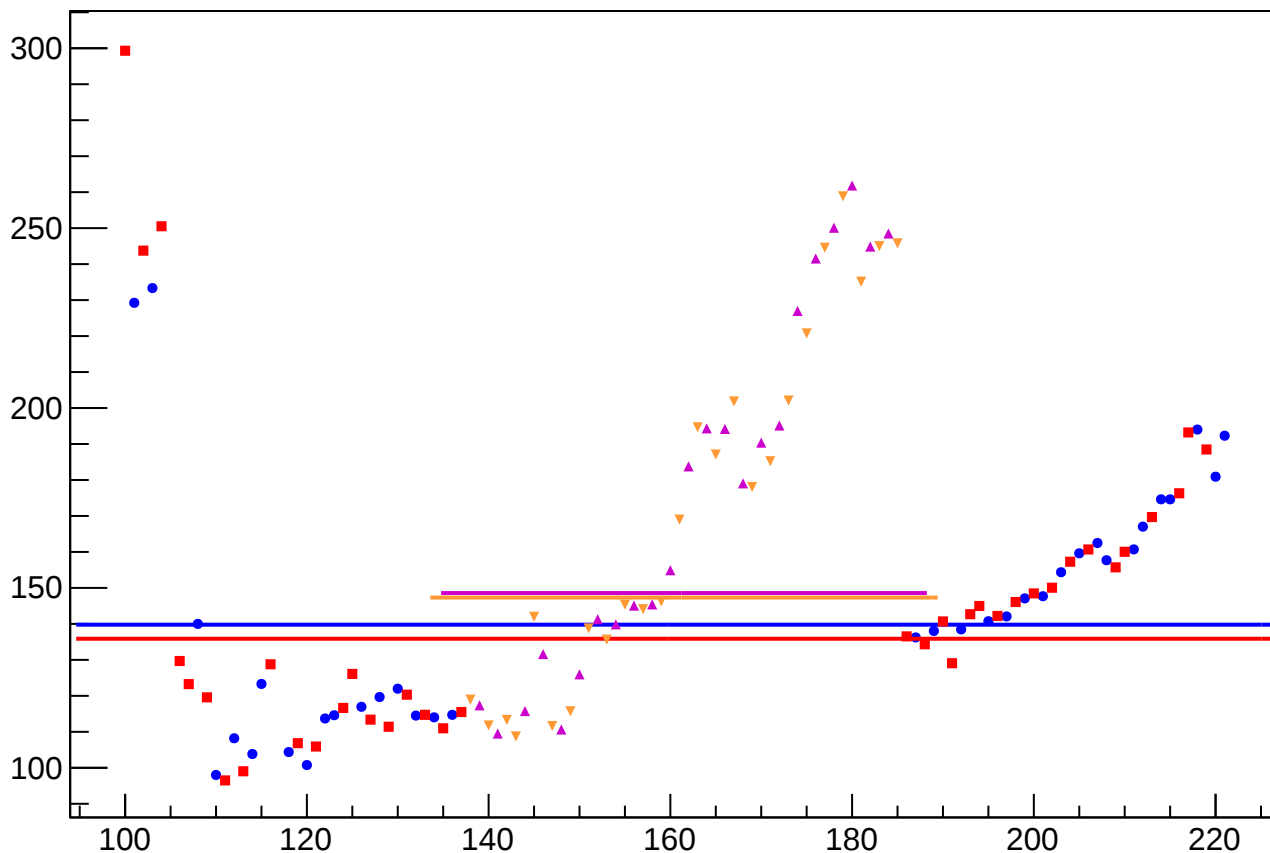
Left In: 6718.475 ± 37.276 $\chi^2/\text{NDF}: 20934.3/22$

+ sign -454.634 ± 24.042 $\chi^2/\text{NDF}: 190859.3/59$

All: -475.396 ± 17.046 $\chi^2/\text{NDF}: 382480.8/11$

- sign -496.380 ± 24.171 $\chi^2/\text{NDF}: 191620.0/59$

asym_bpm2i01WS_rms vs Slug



Right In: 139.782 $\pm$ 0.023 χ^2/NDF : 1654490.0/34

Left Out: 147.317 $\pm$ 0.025 χ^2/NDF : 2511679.9/24

Right Out: 135.872 $\pm$ 0.022 χ^2/NDF : 1581863.9/36

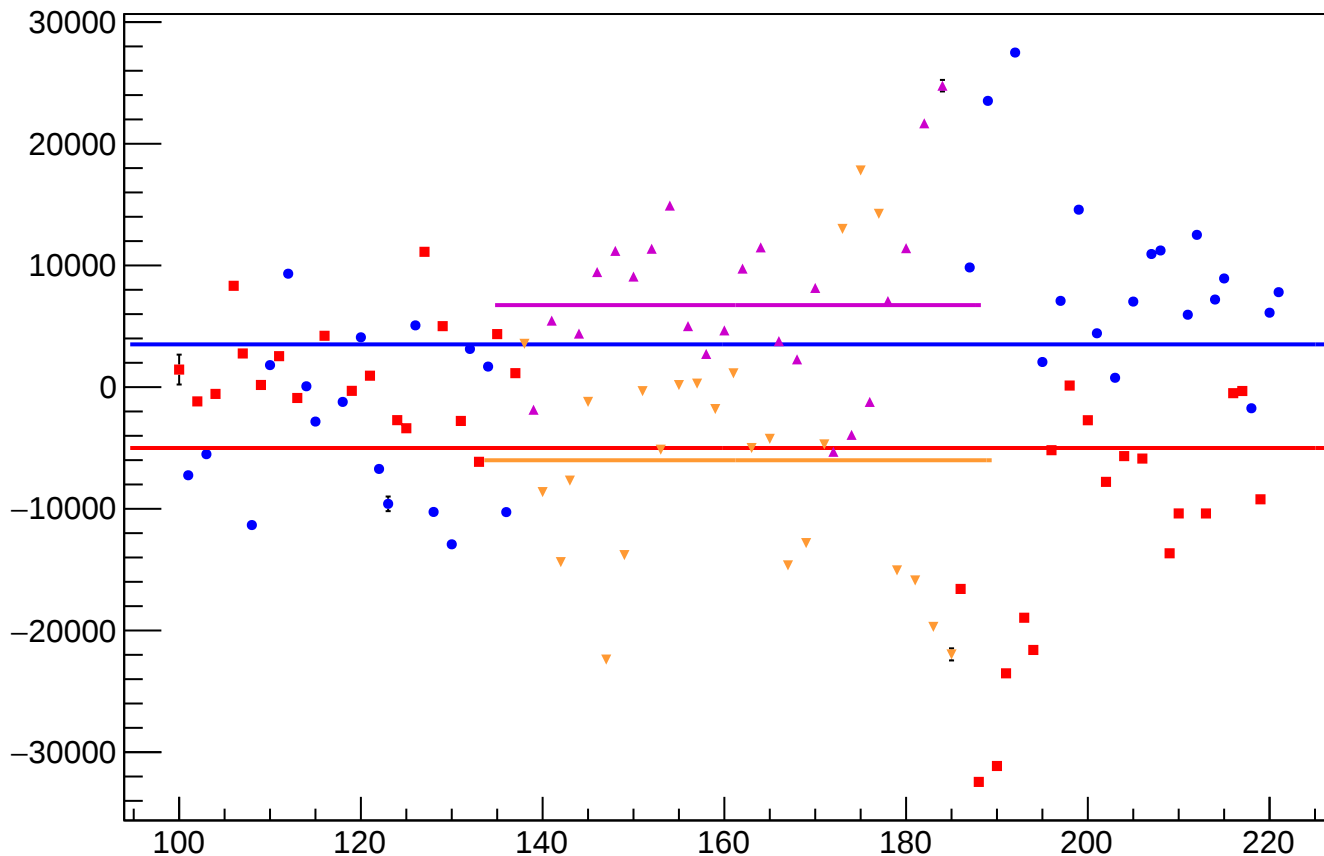
Left In: 148.569 $\pm$ 0.026 χ^2/NDF : 2393185.0/22

+ sign 143.165 $\pm$ 0.017 χ^2/NDF : 4214777.9/59

All: 142.193 $\pm$ 0.012 χ^2/NDF : 8330871.8/119

- sign 141.210 $\pm$ 0.017 χ^2/NDF : 4109519.5/59

asym_bpm2i02WS_mean vs Slug



Right In: 3513.756 ± 32.663 $\chi^2/\text{NDF}: 86125.8/34$

Left Out: -6009.913 ± 35.082 $\chi^2/\text{NDF}: 67852.2/24$

Right Out: -5001.975 ± 31.923 $\chi^2/\text{NDF}: 100842.1/36$

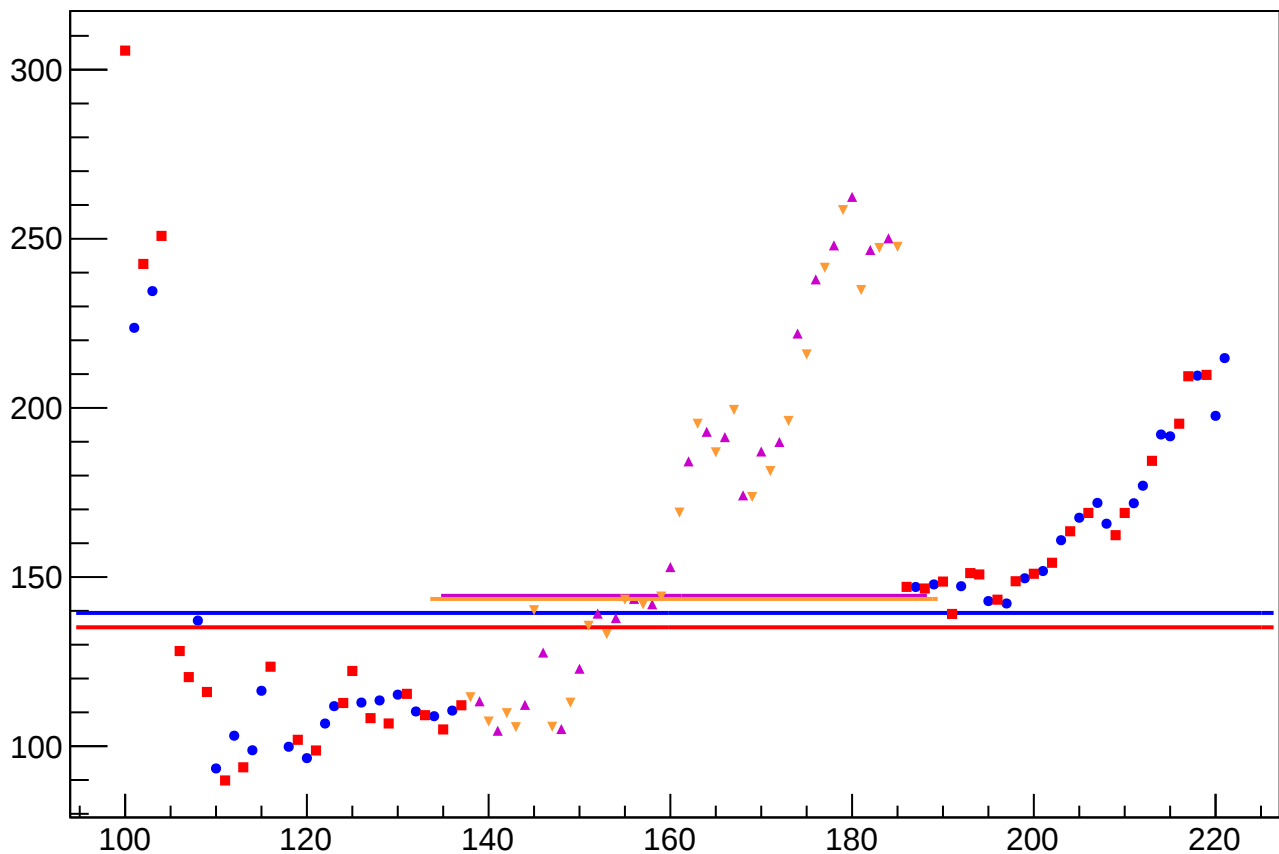
Left In: 6740.666 ± 36.379 $\chi^2/\text{NDF}: 22071.8/22$

+ sign -908.462 ± 23.906 $\chi^2/\text{NDF}: 193453.0/59$

All: -402.911 ± 16.935 $\chi^2/\text{NDF}: 376128.4/11$

- sign 106.395 ± 23.995 $\chi^2/\text{NDF}: 181777.7/59$

asym_bpm2i02WS_rms vs Slug



Right In: 139.393+/-0.023 χ^2/NDF : 2400161.7/34

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 135.147+/-0.023 χ^2/NDF : 2282027.3/36

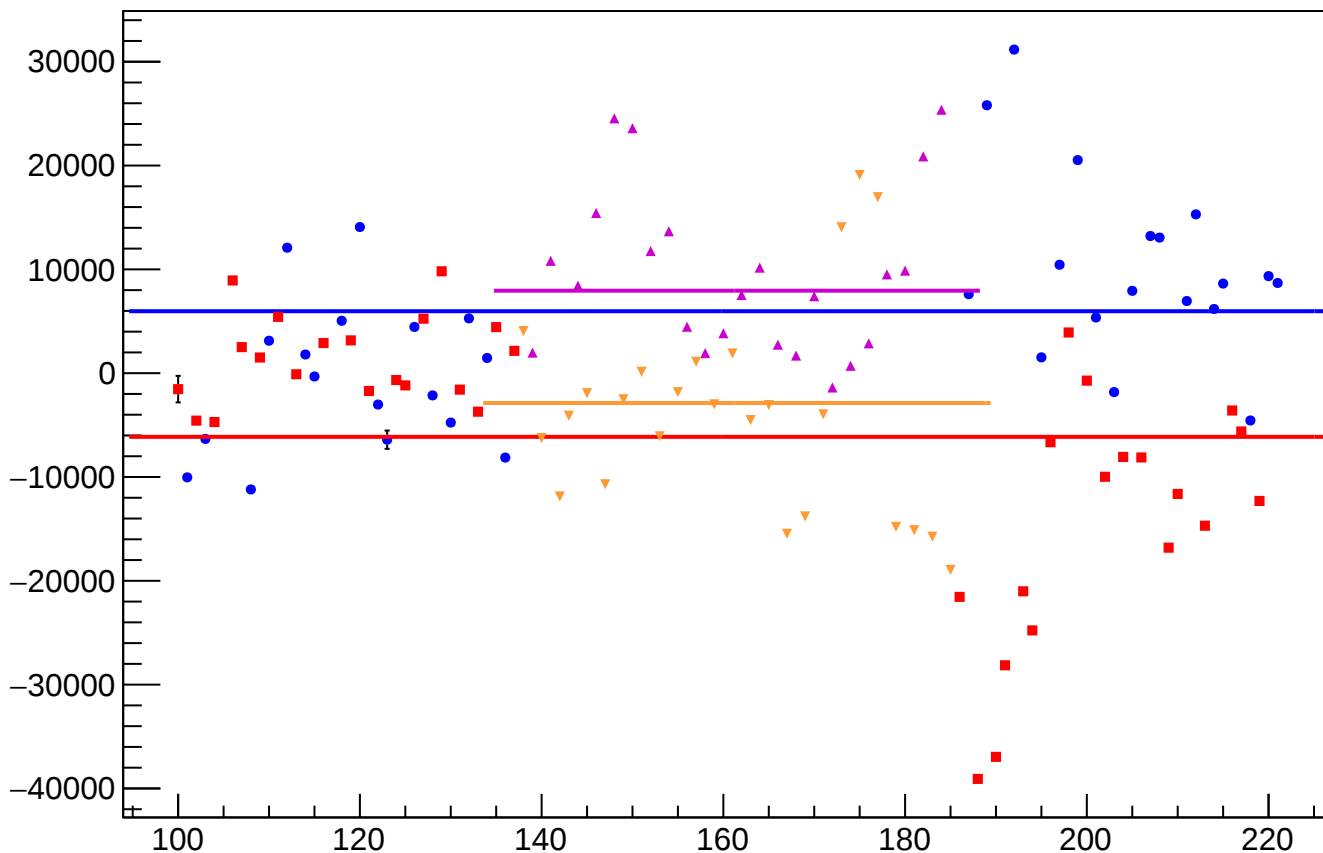
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 141.314+/-0.017 χ^2/NDF : 5119854.6/59

All: 140.256+/-0.012 χ^2/NDF : 10070399.3/11

- sign 139.190+/-0.017 χ^2/NDF : 4942675.8/59

asym_bpm0i01WS_mean vs Slug



Right In: 5969.369 ± 39.161 $\chi^2/\text{NDF}: 65427.3/34$

Left Out: -2870.473 ± 39.482 $\chi^2/\text{NDF}: 46420.3/24$

Right Out: -6131.506 ± 38.395 $\chi^2/\text{NDF}: 100504.3/36$

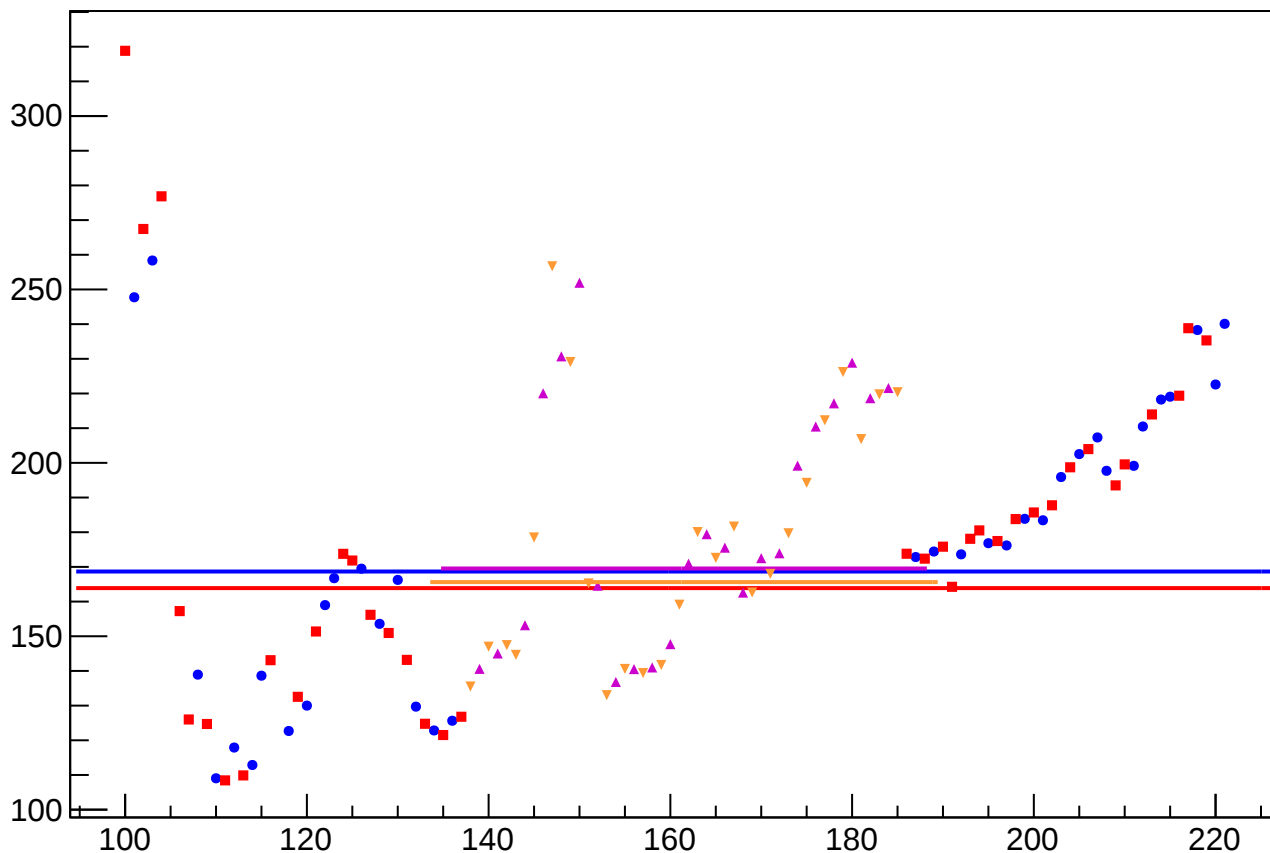
Left In: 7947.160 ± 41.726 $\chi^2/\text{NDF}: 23874.5/22$

+ sign 1585.540 ± 27.804 $\chi^2/\text{NDF}: 137116.7/59$

All: 964.710 ± 19.817 $\chi^2/\text{NDF}: 324155.6/119$

- sign 323.630 ± 28.254 $\chi^2/\text{NDF}: 186025.5/59$

asym_bpm0i01WS_rms vs Slug



Right In: 168.668 $\pm$ 0.028 χ^2/NDF : 2069610.4/34

Left Out: 165.616 $\pm$ 0.028 χ^2/NDF : 1144779.3/24

Right Out: 163.881 $\pm$ 0.027 χ^2/NDF : 2012846.2/36

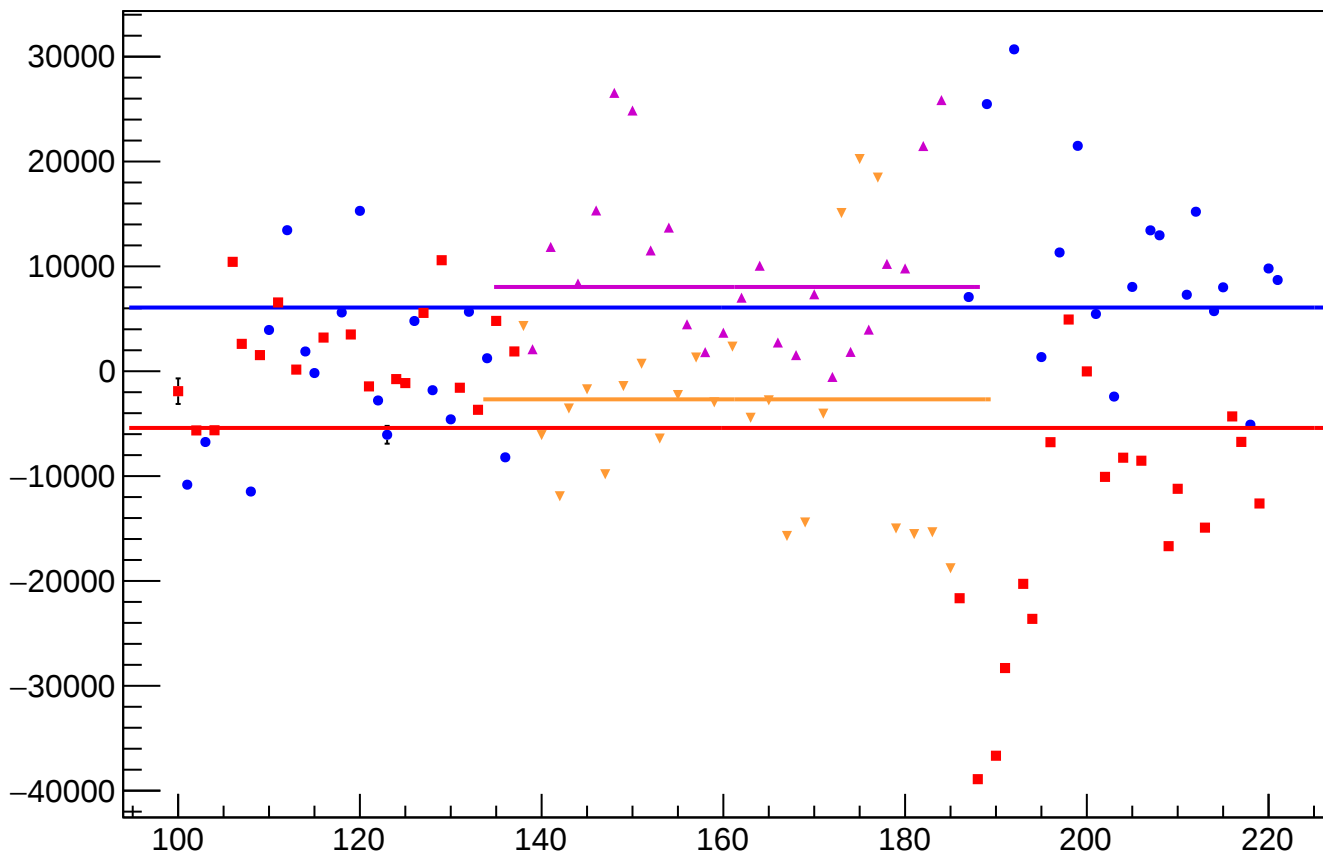
Left In: 169.542 $\pm$ 0.030 χ^2/NDF : 1159241.9/22

+ sign 167.154 $\pm$ 0.020 χ^2/NDF : 3220411.4/59

All: 166.821 $\pm$ 0.014 χ^2/NDF : 6413012.7/119

- sign 166.477 $\pm$ 0.020 χ^2/NDF : 3192016.6/59

asym_bpm0i01aWS_mean vs Slug



Right In: 6076.006+/-33.327 χ^2/NDF : 91558.3/34

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -5407.887+/-32.410 χ^2/NDF : 140723.5/36

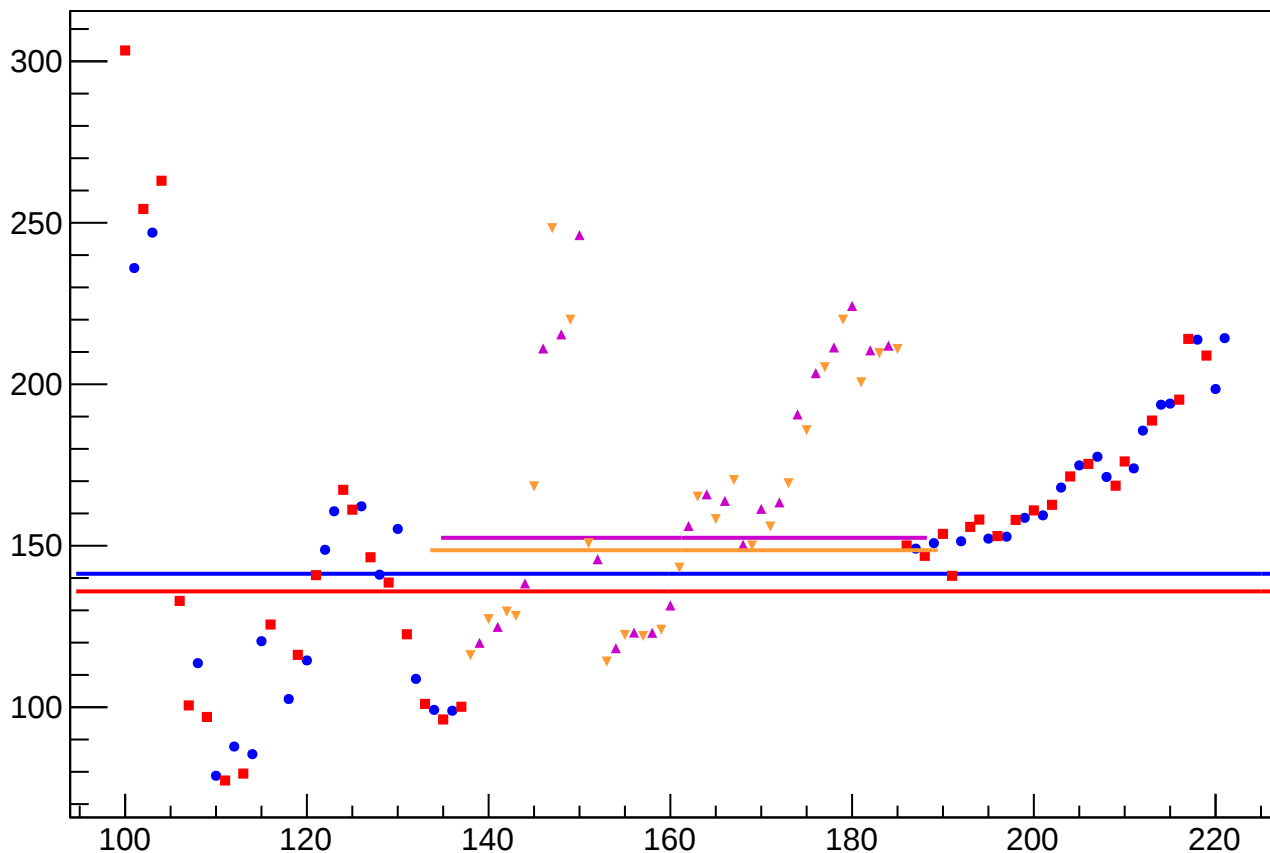
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 2006.443+/-24.382 χ^2/NDF : 180461.3/59

All: 1145.738+/-17.330 χ^2/NDF : 425598.6/11

- sign 266.799+/-24.638 χ^2/NDF : 242618.6/59

asym_bpm0i01aWS_rms vs Slug



Right In: 141.323+/-0.024 χ^2/NDF : 3051233.9/34

Left Out: 148.611+/-0.025 χ^2/NDF :1685424.1/24

Right Out: 135.864+/-0.023 χ^2/NDF : 3105473.6/36

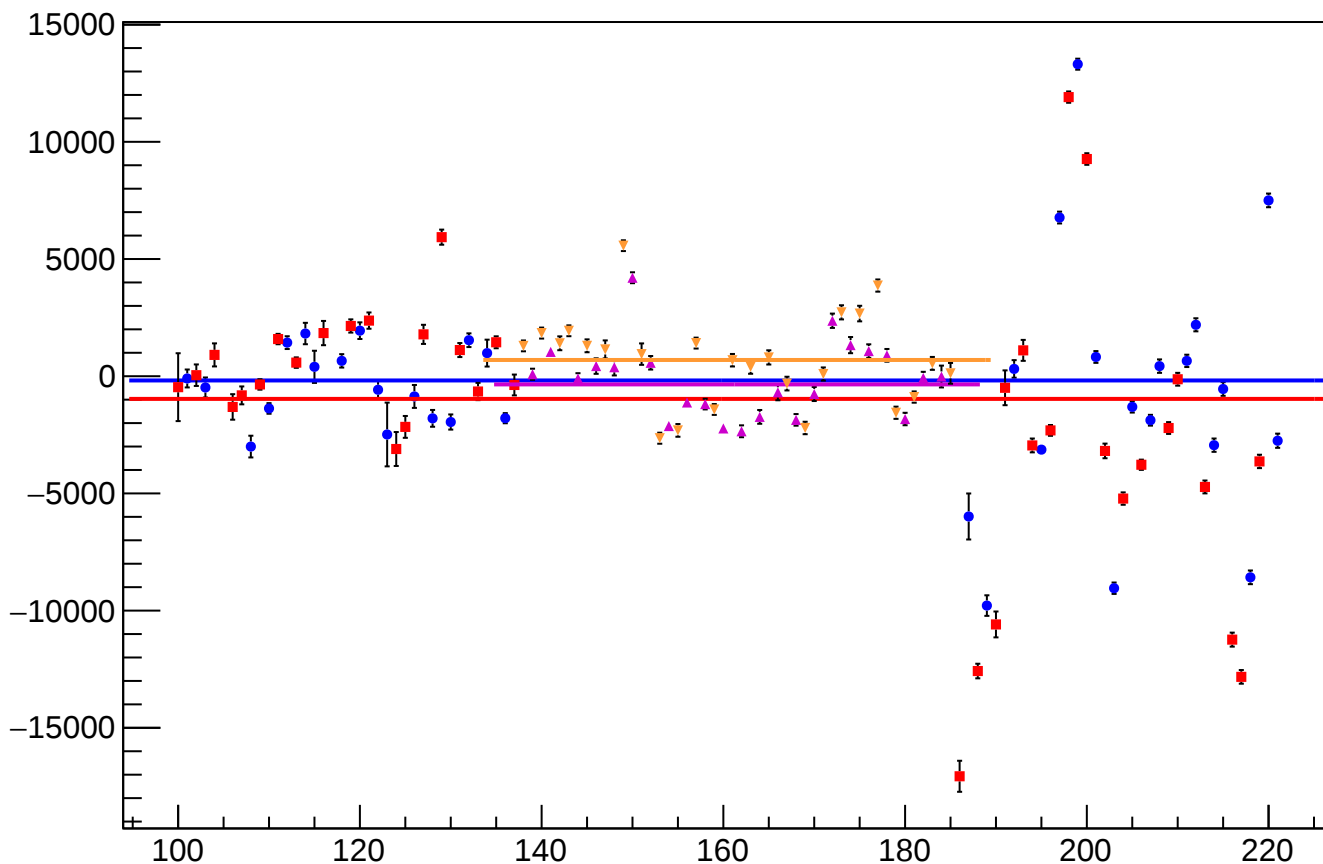
Left In: 152.463+/-0.027 χ^2/NDF :1691517.7/22

+ sign 144.710+/-0.017 χ^2/NDF : 4781110.3/59

All: 143.800+/-0.012 χ^2/NDF : 9805161.0/119

- sign 142.870+/-0.017 χ^2/NDF : 5018417.8/59

asym_bpm0l01WS_mean vs Slug



Right In: -180.907 ± 51.486 $\chi^2/\text{NDF}: 8259.3/34$

Left Out: 692.998 ± 54.303 $\chi^2/\text{NDF}: 1422.0/24$

Right Out: -967.604 ± 51.593 $\chi^2/\text{NDF}: 11674.5/36$

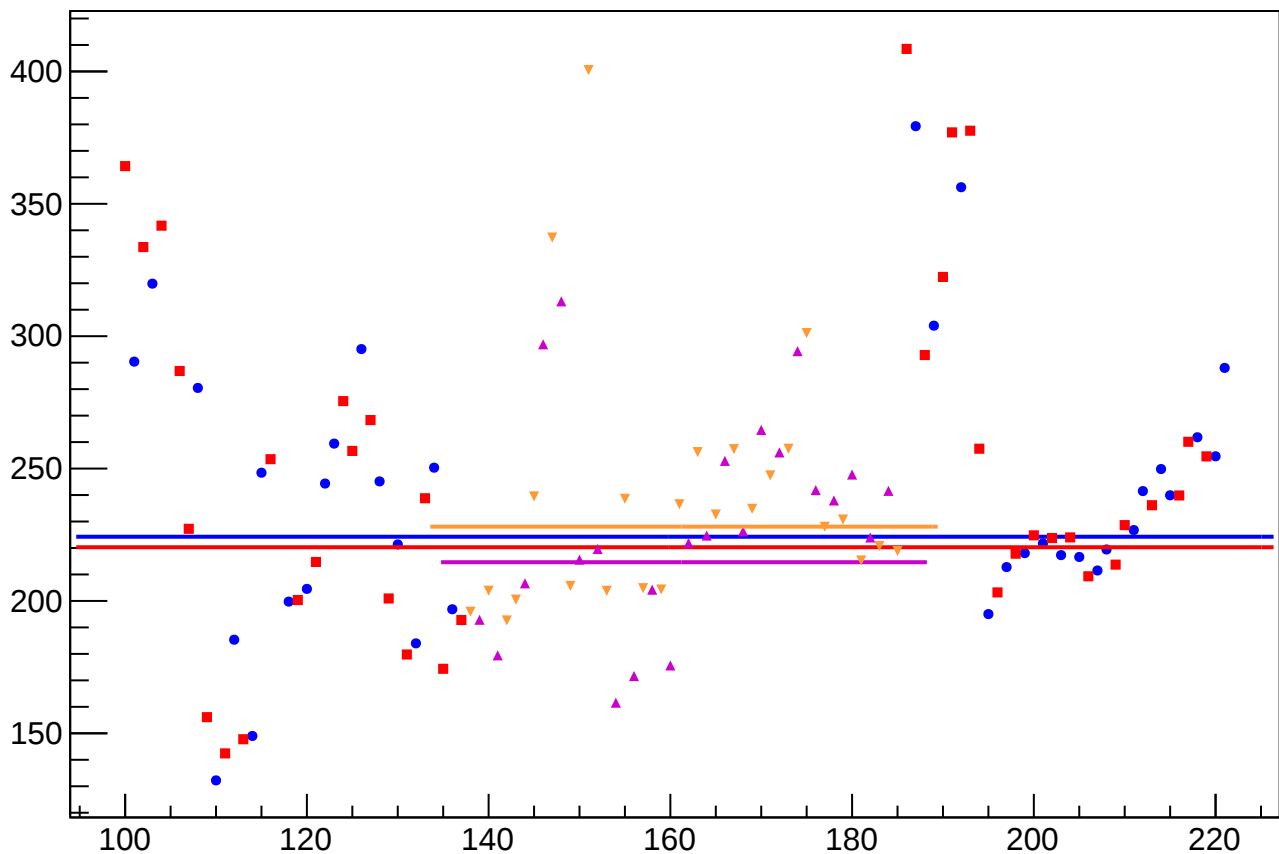
Left In: -349.623 ± 53.094 $\chi^2/\text{NDF}: 981.0/22$

+ sign 232.789 ± 37.362 $\chi^2/\text{NDF}: 9817.7/59$

All: -221.714 ± 26.291 $\chi^2/\text{NDF}: 22835.9/119$

- sign -667.469 ± 37.001 $\chi^2/\text{NDF}: 12725.1/59$

asym_bpm0l01WS_rms vs Slug



Right In: 224.253 $\pm$ 0.036 χ^2 /NDF: 1358661.2/34

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF:826343.8/24

Right Out: 220.285 $\pm$ 0.036 χ^2 /NDF: 1919195.7/36

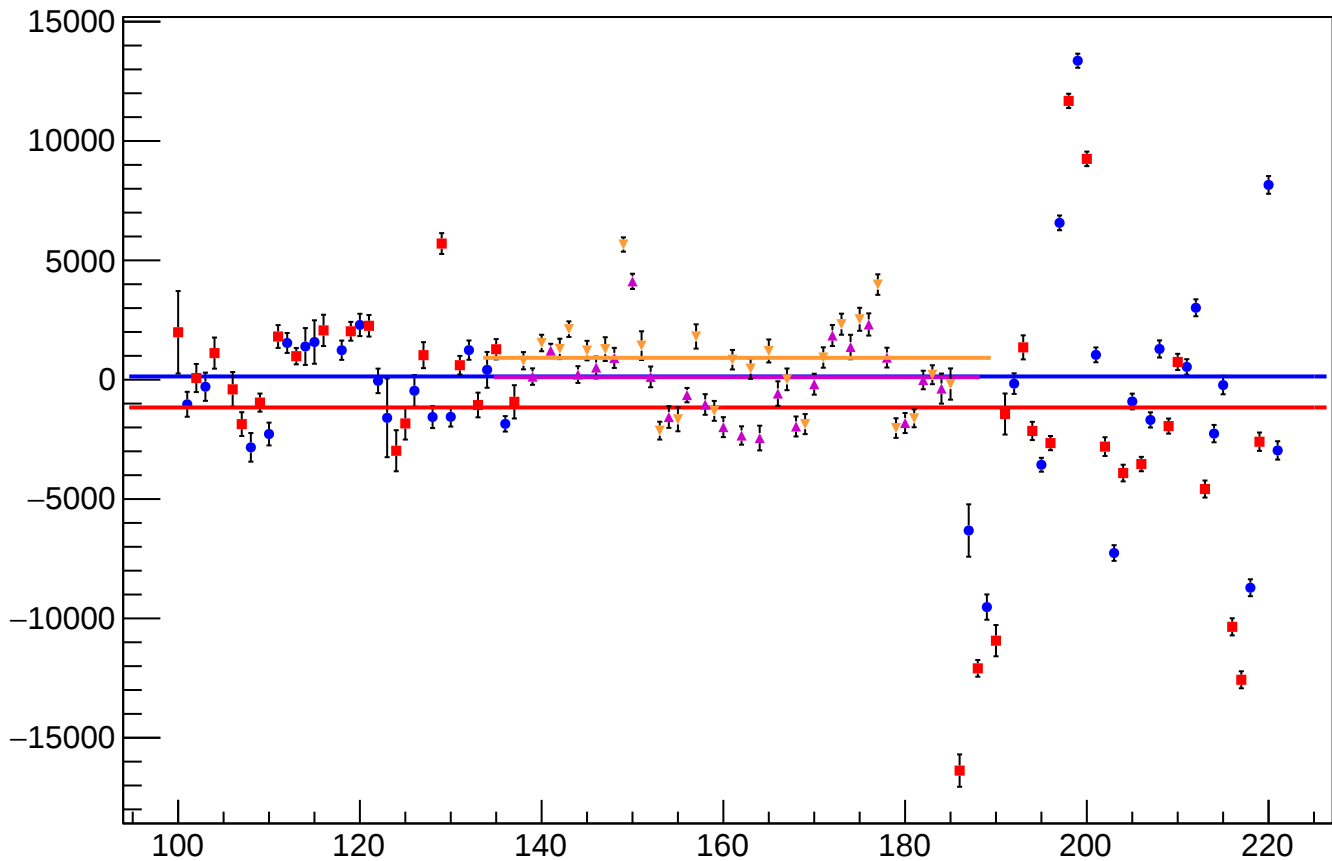
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF:1025683.3/22

+ sign 226.056 $\pm$ 0.026 χ^2 /NDF: 2190183.8/59

All: 221.755 $\pm$ 0.019 χ^2 /NDF: 5199232.0/119

- sign 217.537 $\pm$ 0.026 χ^2 /NDF: 2956559.9/59

asym_bpm0l02WS_mean vs Slug



Right In: 136.493 ± 68.771 $\chi^2/\text{NDF}: 4978.2/34$

Left Out: 915.968 ± 83.398 $\chi^2/\text{NDF}: 618.3/24$

Right Out: -1162.705 ± 69.372 $\chi^2/\text{NDF}: 7294.7/36$

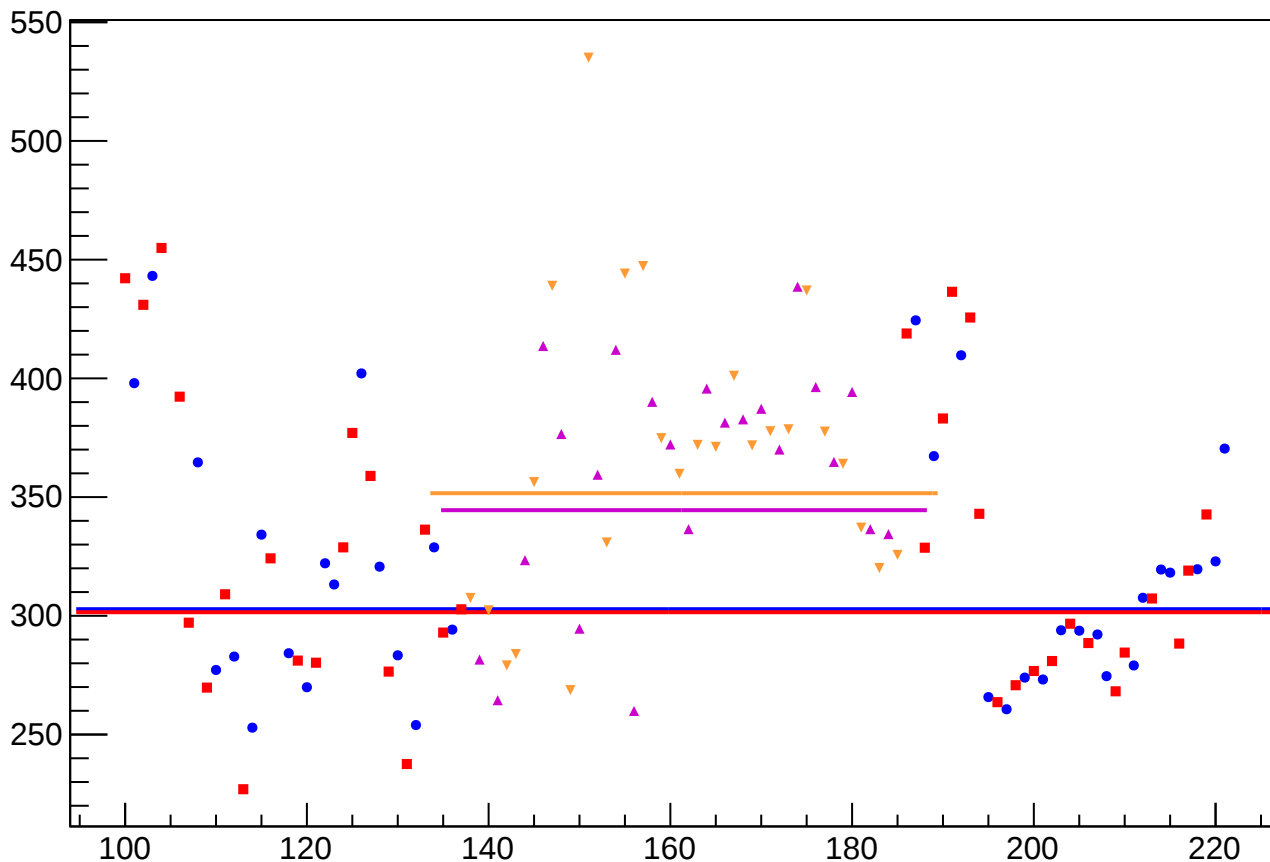
Left In: 106.116 ± 84.393 $\chi^2/\text{NDF}: 390.3/22$

+ sign 451.988 ± 53.058 $\chi^2/\text{NDF}: 5648.5/59$

All: -94.038 ± 37.705 $\chi^2/\text{NDF}: 13682.3/119$

- sign -651.071 ± 53.590 $\chi^2/\text{NDF}: 7819.8/59$

asym_bpm0l02WS_rms vs Slug



Right In: 302.789 $\pm$ 0.049 χ^2 /NDF: 717043.0/34

Left Out: 351.633 $\pm$ 0.059 χ^2 /NDF: 907849.3/24

Right Out: 301.523 $\pm$ 0.049 χ^2 /NDF: 925806.5/36

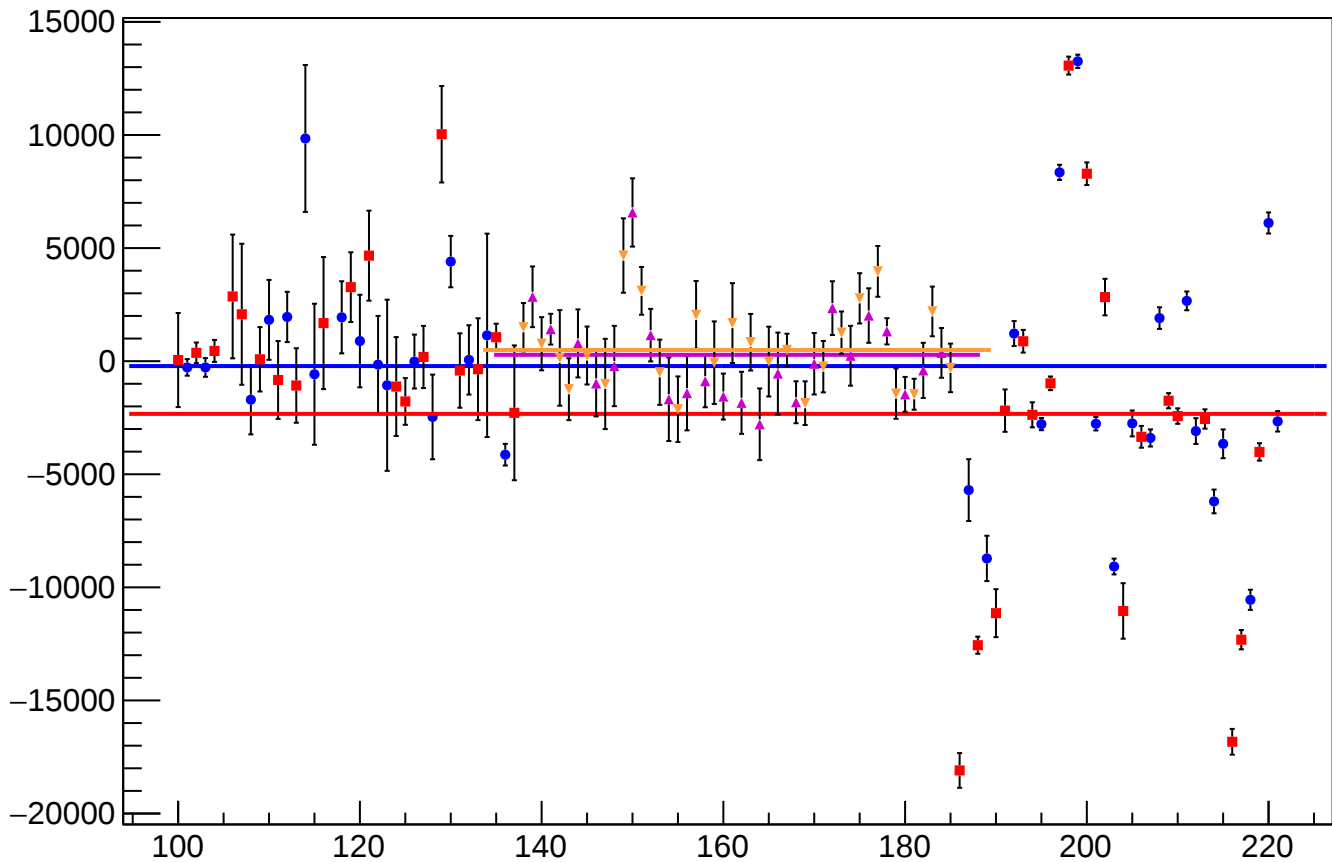
Left In: 344.491 $\pm$ 0.060 χ^2 /NDF: 768885.4/22

+ sign 322.559 $\pm$ 0.038 χ^2 /NDF: 2033248.5/59

All: 320.723 $\pm$ 0.027 χ^2 /NDF: 4042161.9/119

- sign 318.849 $\pm$ 0.038 χ^2 /NDF: 2004075.1/59

asym_bpm0l03WS_mean vs Slug



Right In: -216.378 ± 89.379 χ^2/NDF : 4851.7/34

Left Out: 495.014 ± 231.058 χ^2/NDF : 56.2/24

Right Out: -2329.712 ± 99.588 χ^2/NDF : 4736.5/36

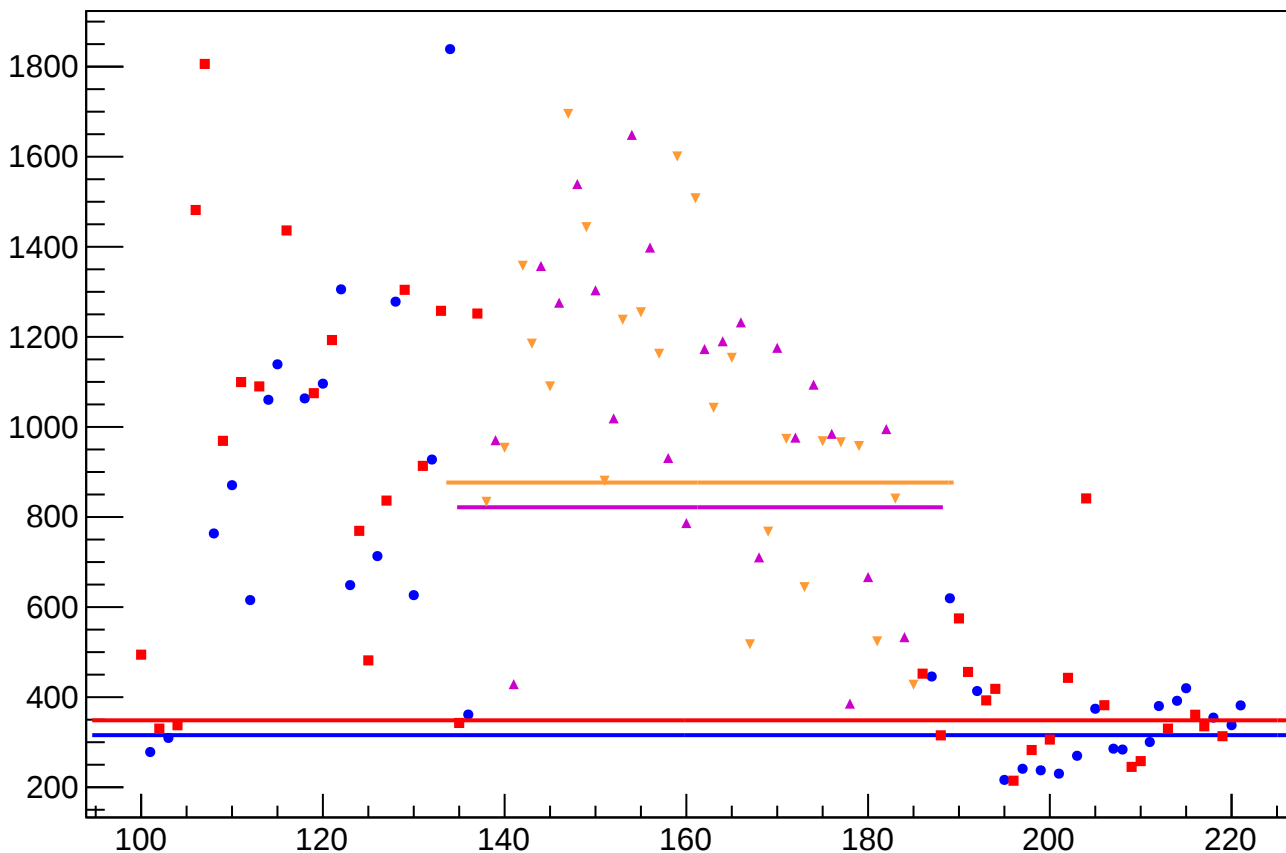
Left In: 280.692 ± 232.048 χ^2/NDF : 57.2/22

+ sign -123.785 ± 83.360 χ^2/NDF : 4916.2/59

All: -939.976 ± 61.626 χ^2/NDF : 10028.2/119

- sign -1923.695 ± 91.516 χ^2/NDF : 4900.6/59

asym_bpm0l03WS_rms vs Slug



Right In: 315.680+/-0.063 χ^2/NDF : 4626726.1/34

Left Out: 876.560+/-0.163 χ^2/NDF :3434698.7/24

Right Out: 348.605+/-0.070 χ^2/NDF : 5944167.5/36

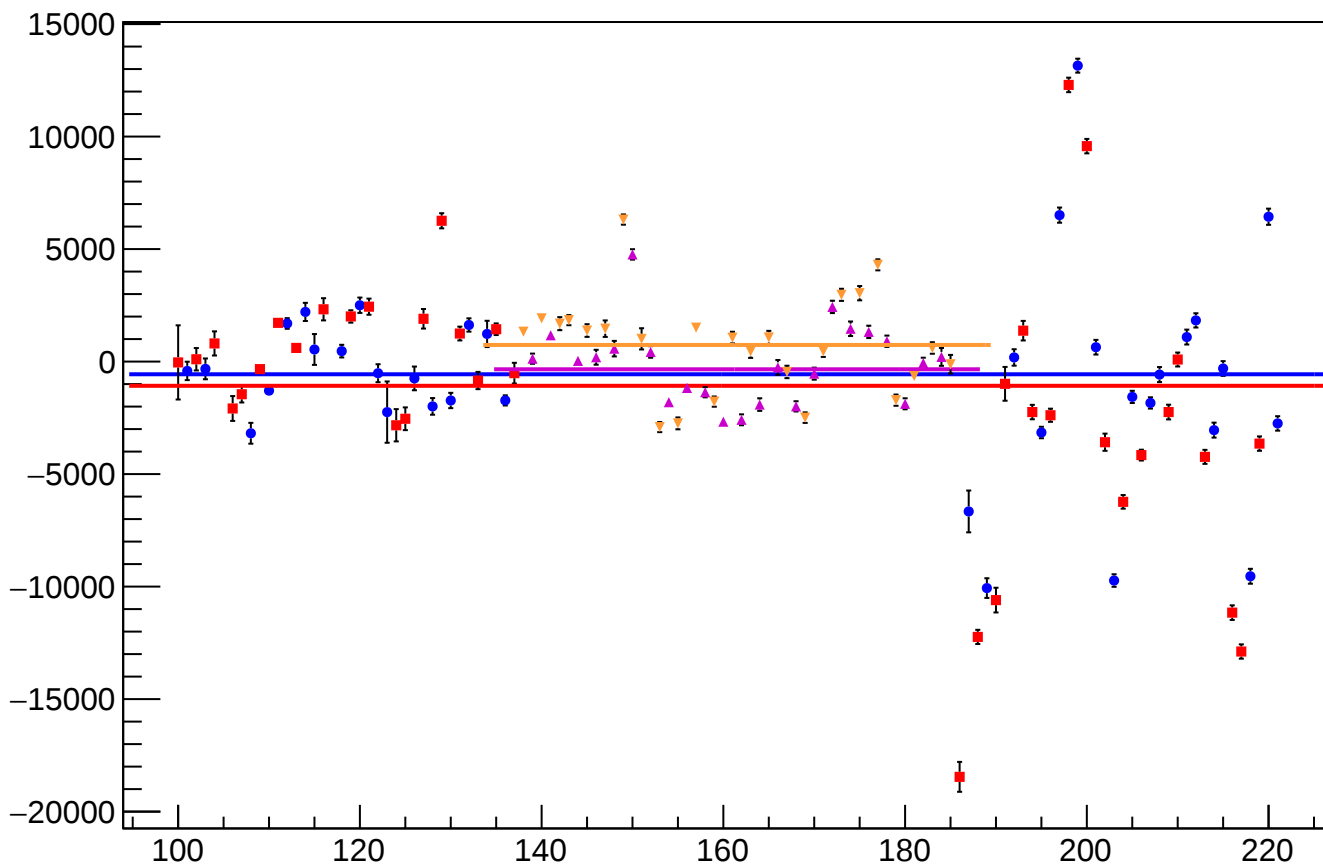
Left In: 821.657+/-0.164 χ^2/NDF :4443094.2/22

+ sign 388.683+/-0.059 χ^2/NDF : 18312470.9/59

All: 403.874+/-0.044 χ^2/NDF : 35865196.4/11

- sign 422.182+/-0.065 χ^2/NDF : 17406257.3/59

asym_bpm0l04WS_mean vs Slug



Right In: -563.915 ± 55.915 $\chi^2/\text{NDF}: 5846.9/34$

Left Out: 738.847 ± 51.649 $\chi^2/\text{NDF}: 1935.2/24$

Right Out: -1076.284 ± 54.643 $\chi^2/\text{NDF}: 9422.4/36$

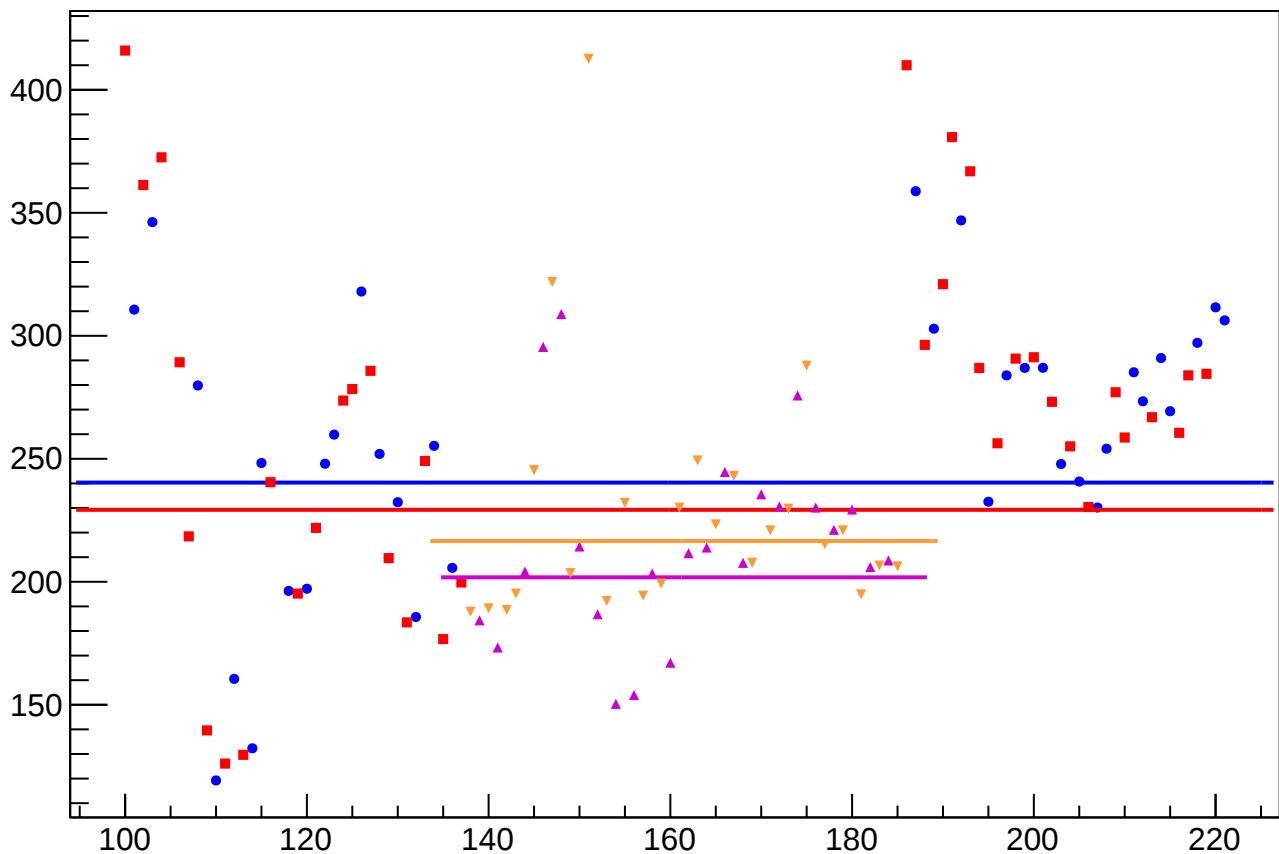
Left In: -342.465 ± 50.044 $\chi^2/\text{NDF}: 1254.9/22$

+ sign 139.054 ± 37.940 $\chi^2/\text{NDF}: 8075.0/59$

All: -280.350 ± 26.454 $\chi^2/\text{NDF}: 19088.3/119$

- sign -677.199 ± 36.906 $\chi^2/\text{NDF}: 10775.4/59$

asym_bpm0l04WS_rms vs Slug



Right In: 240.329 $\pm$ 0.040 χ^2 /NDF: 2208592.1/34

Left Out: 216.574 $\pm$ 0.037 χ^2 /NDF: 886214.1/24

Right Out: 229.253 $\pm$ 0.039 χ^2 /NDF: 3109627.4/36

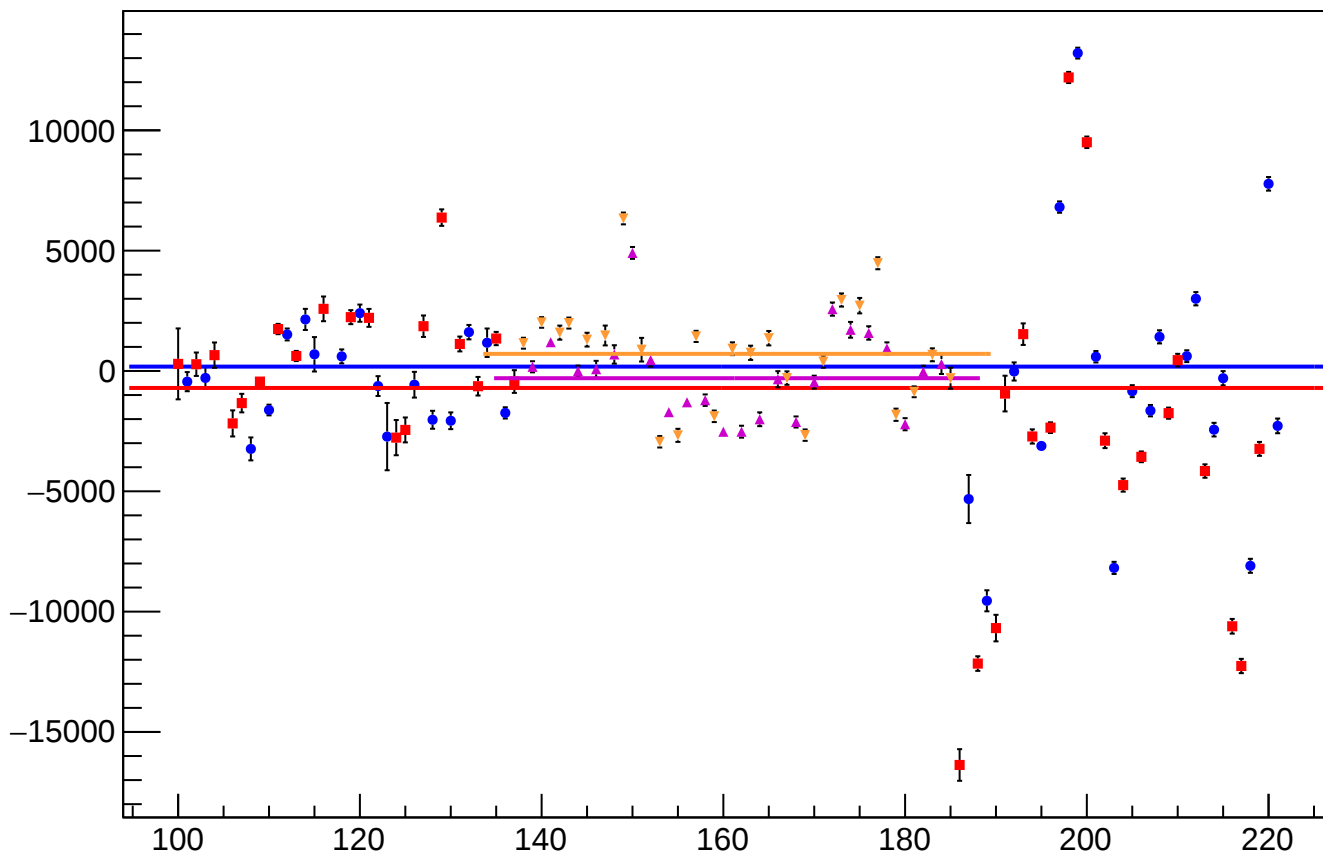
Left In: 201.805 $\pm$ 0.035 χ^2 /NDF: 1087243.4/22

+ sign 227.511 $\pm$ 0.027 χ^2 /NDF: 3289592.5/59

All: 220.736 $\pm$ 0.019 χ^2 /NDF: 7885017.4/119

- sign 214.326 $\pm$ 0.026 χ^2 /NDF: 4471312.2/59

asym_bpm0l05WS_mean vs Slug



Right In: 181.169 ± 51.362 χ^2/NDF : 8276.7/34

Left Out: 711.174 ± 53.245 χ^2/NDF : 1835.3/24

Right Out: -705.689 ± 51.444 χ^2/NDF : 11616.2/36

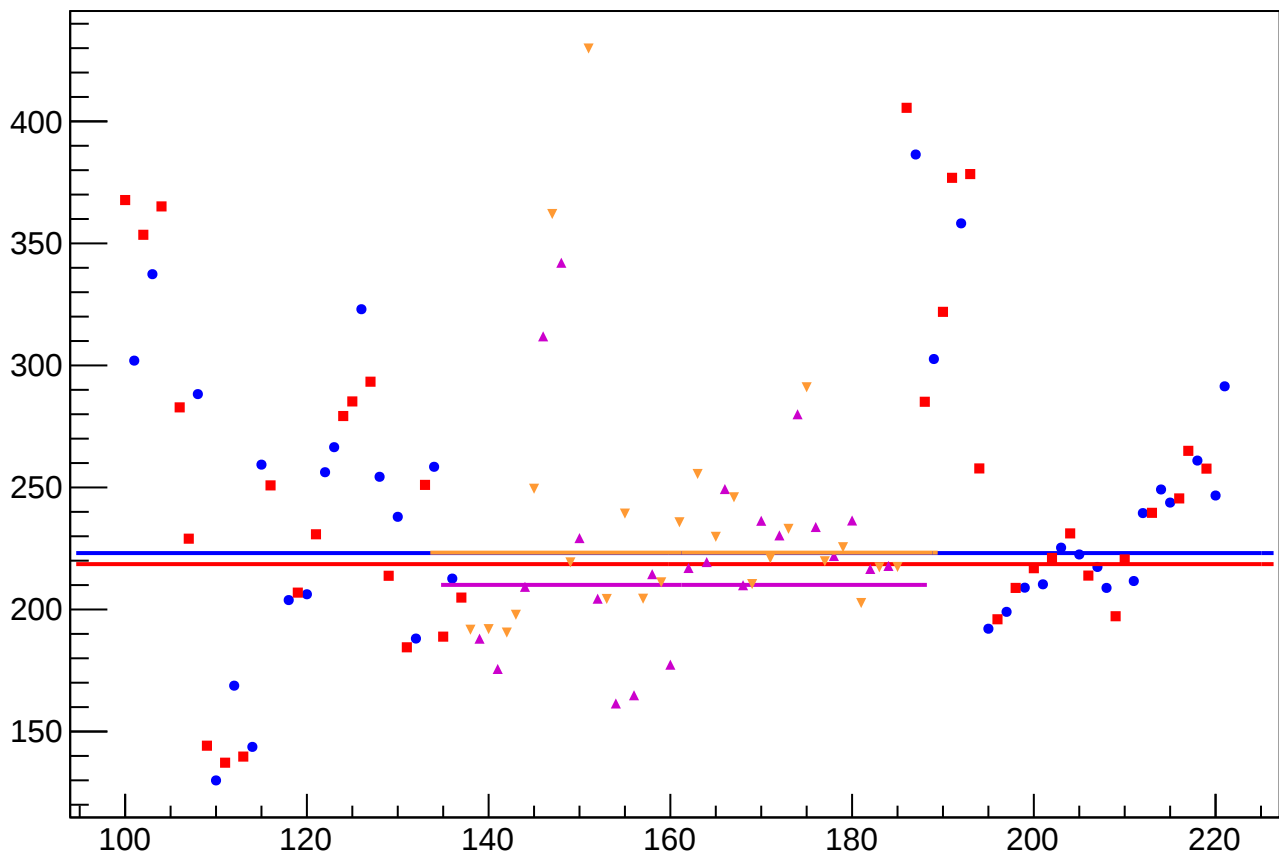
Left In: -300.516 ± 51.984 χ^2/NDF : 1208.6/22

+ sign 436.633 ± 36.966 χ^2/NDF : 10163.3/59

All: -39.420 ± 25.996 χ^2/NDF : 23347.0/119

- sign -505.218 ± 36.566 χ^2/NDF : 12855.5/59

asym_bpm0l05WS_rms vs Slug



Right In: 223.112 $\pm$ 0.036 χ^2 /NDF: 1561558.1/34

Left Out: 223.296 $\pm$ 0.038 χ^2 /NDF:922768.4/24

Right Out: 218.589 $\pm$ 0.036 χ^2 /NDF: 2232364.7/36

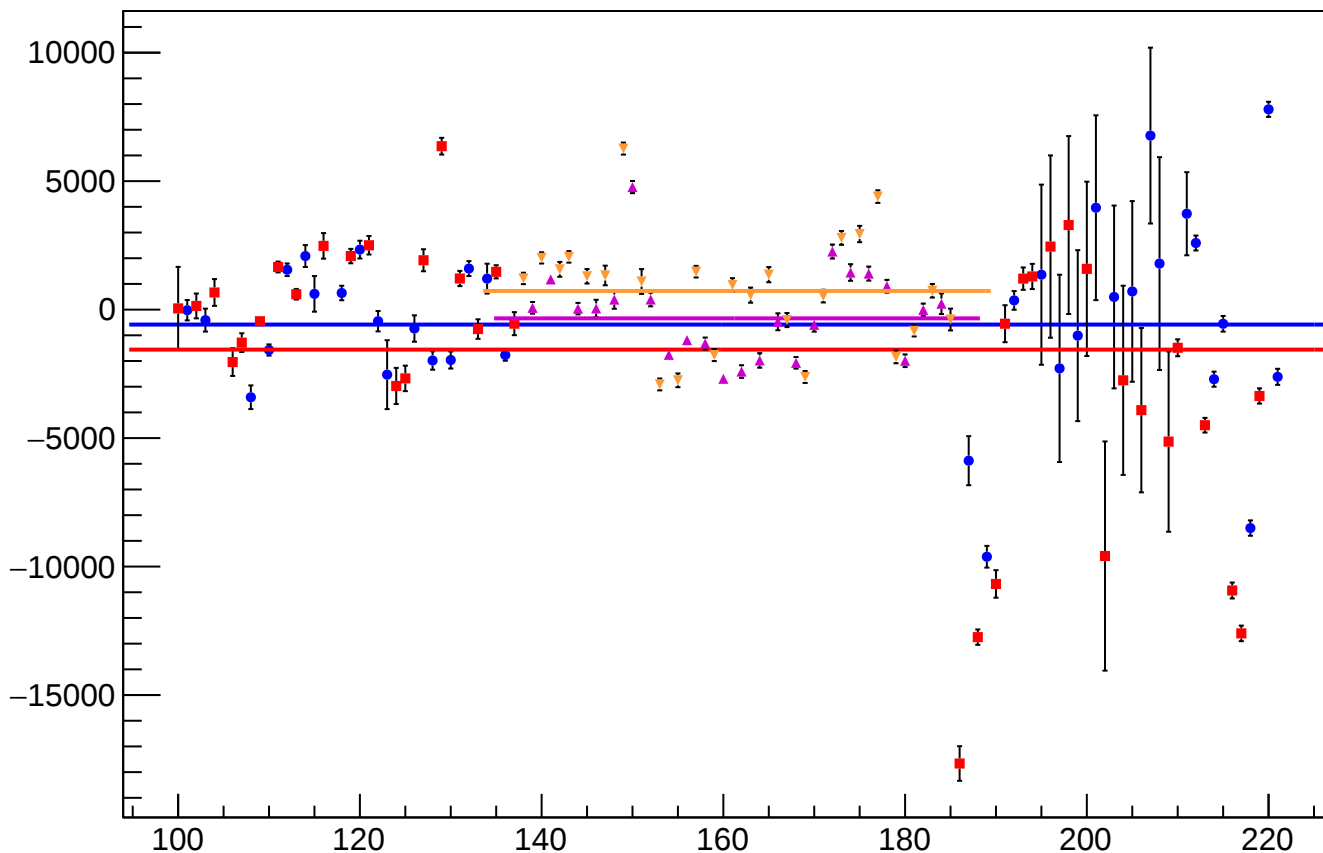
Left In: 210.080 $\pm$ 0.037 χ^2 /NDF:1015274.5/22

+ sign 223.201 $\pm$ 0.026 χ^2 /NDF: 2484338.8/59

All: 218.742 $\pm$ 0.018 χ^2 /NDF: 5816628.6/119

- sign 214.379 $\pm$ 0.026 χ^2 /NDF: 3274713.7/59

asym_bpm0l06WS_mean vs Slug



Right In: -581.993 ± 66.298 χ^2/NDF : 2629.6/34

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: -1556.132 ± 62.218 χ^2/NDF : 6392.8/36

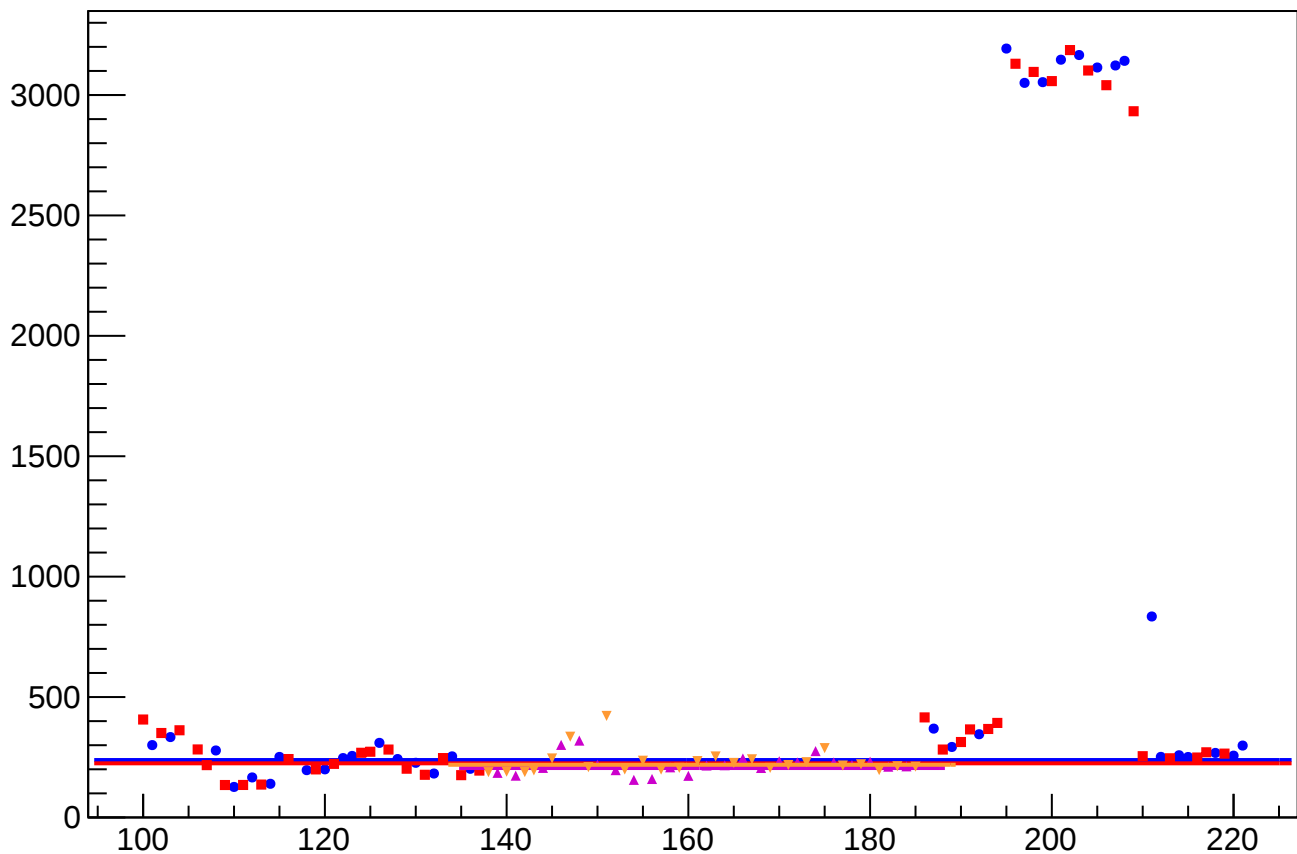
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 225.859 ± 40.993 χ^2/NDF : 4782.7/59

All: -321.966 ± 28.388 χ^2/NDF : 12949.6/119

- sign -826.777 ± 39.351 χ^2/NDF : 7823.7/59

asym_bpm0l06WS_rms vs Slug



Right In: 238.446 $\pm$ 0.047 χ^2 /NDF: 12287165.6/34

Left Out: 218.768 $\pm$ 0.037 χ^2 /NDF: 896914.5/24

Right Out: 224.793 $\pm$ 0.044 χ^2 /NDF: 11602787.2/36

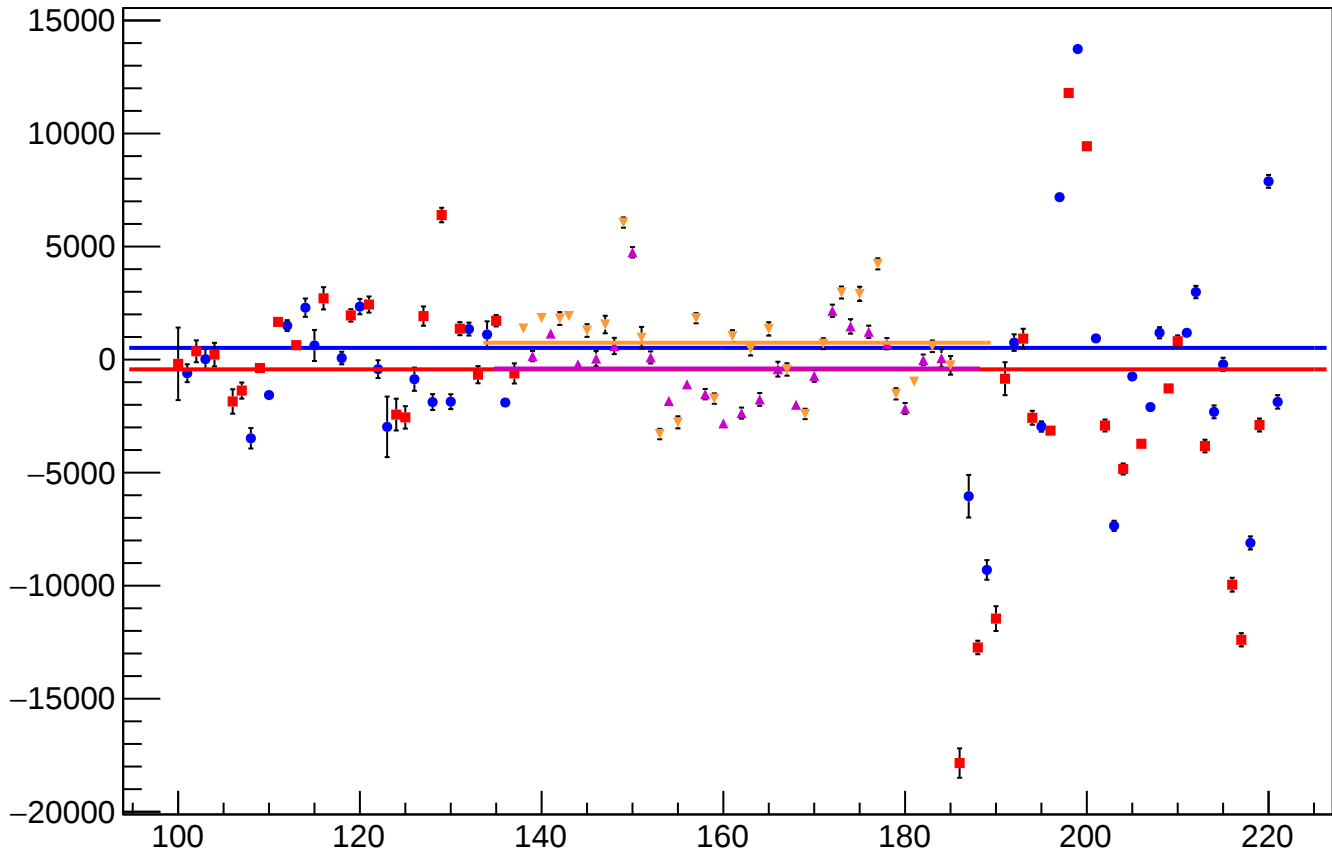
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 226.291 $\pm$ 0.029 χ^2 /NDF: 13292905.0/59

All: 219.409 $\pm$ 0.020 χ^2 /NDF: 26119588.1/11

- sign 213.067 $\pm$ 0.028 χ^2 /NDF: 12718358.7/59

asym_bpm0l07WS_mean vs Slug



Right In: 517.781 ± 48.268 $\chi^2/\text{NDF}: 10266.8/34$

Left Out: 746.405 ± 51.592 $\chi^2/\text{NDF}: 1942.1/24$

Right Out: -430.657 ± 48.407 $\chi^2/\text{NDF}: 13473.0/36$

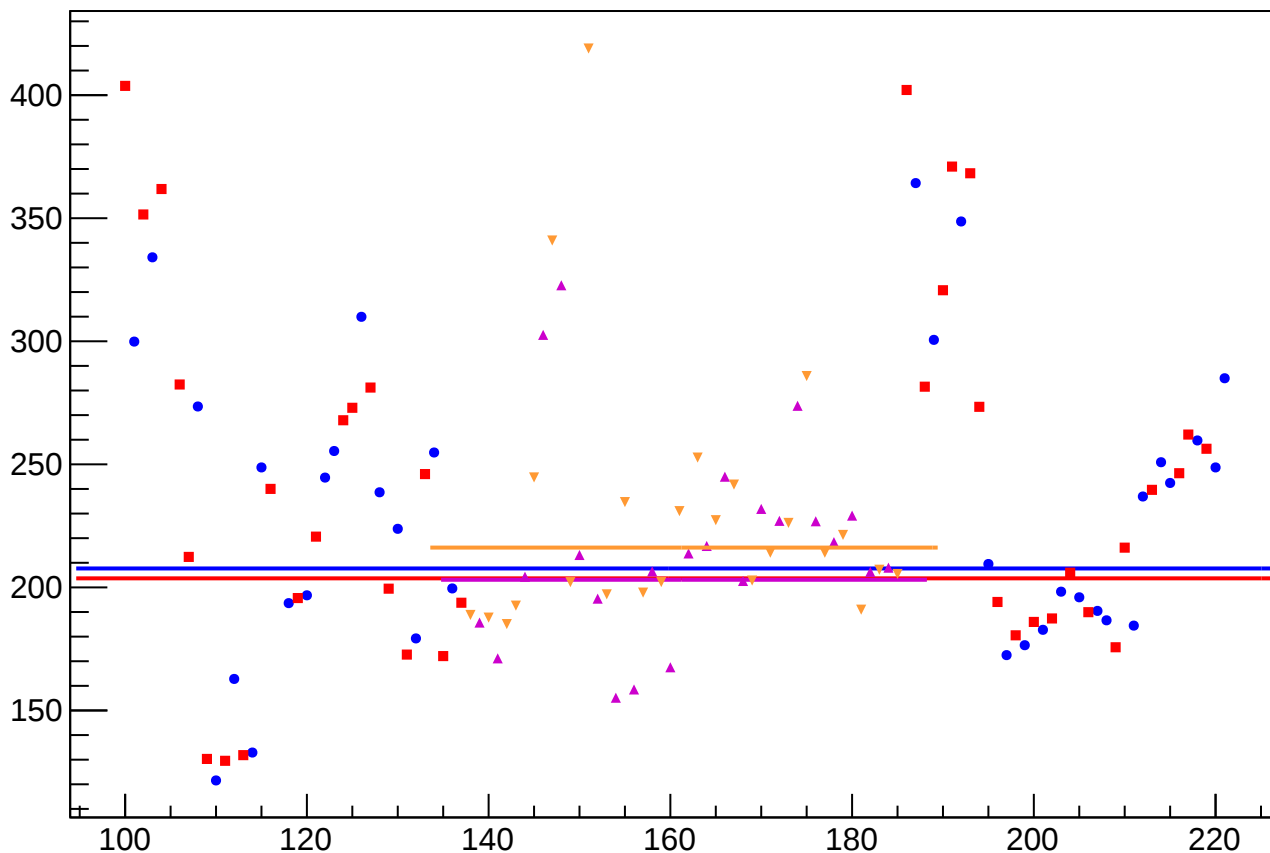
Left In: -394.379 ± 50.311 $\chi^2/\text{NDF}: 1236.4/22$

+ sign 624.492 ± 35.247 $\chi^2/\text{NDF}: 12219.4/59$

All: 100.248 ± 24.794 $\chi^2/\text{NDF}: 27367.0/119$

- sign -413.218 ± 34.883 $\chi^2/\text{NDF}: 14709.7/59$

asym_bpm0l07WS_rms vs Slug



Right In: 207.695 $\pm$ 0.034 χ^2 /NDF: 1935733.9/34

Left Out: 216.178 $\pm$ 0.036 χ^2 /NDF: 946050.8/24

Right Out: 203.676 $\pm$ 0.034 χ^2 /NDF: 2718964.8/36

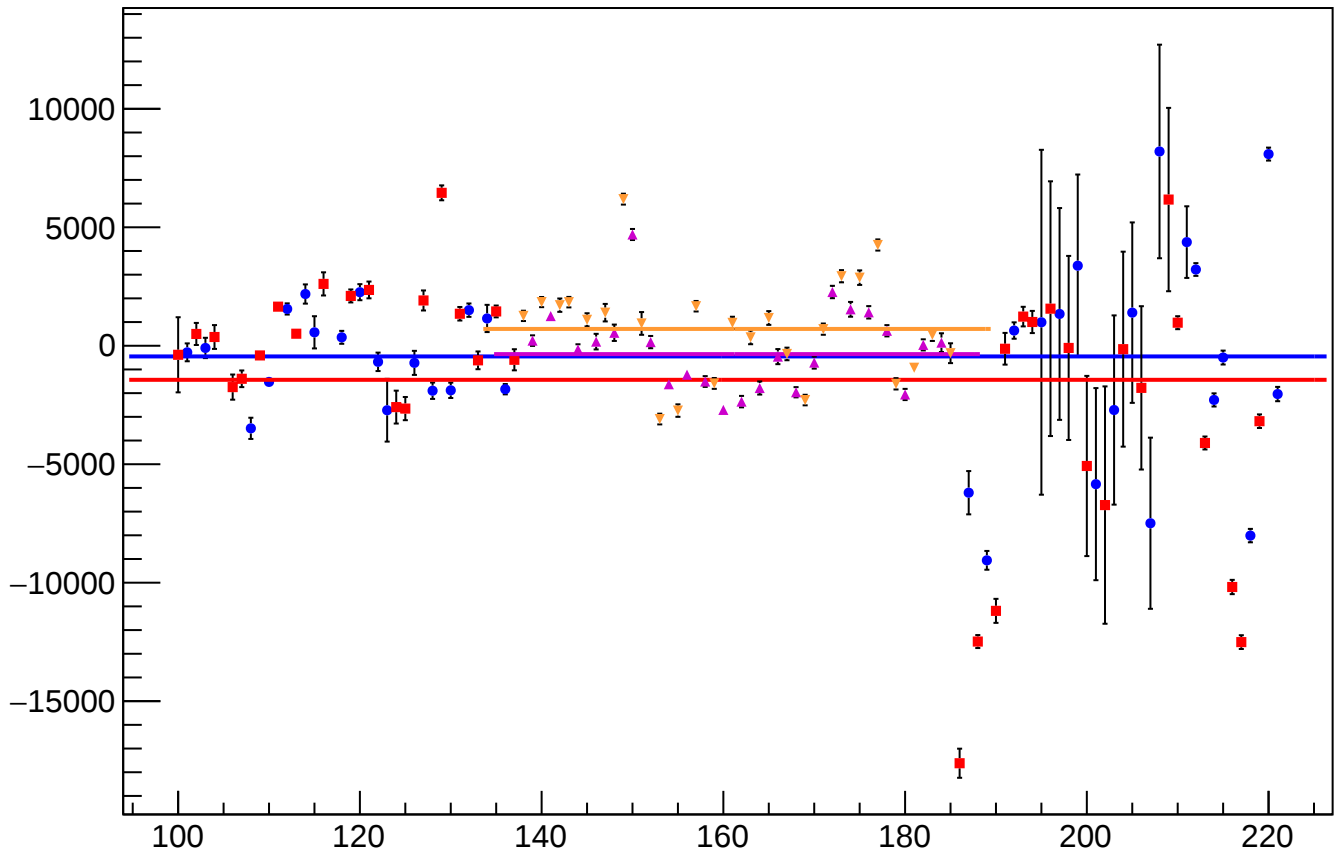
Left In: 203.101 $\pm$ 0.036 χ^2 /NDF: 1038013.0/22

+ sign 211.654 $\pm$ 0.025 χ^2 /NDF: 2910620.4/59

All: 207.484 $\pm$ 0.018 χ^2 /NDF: 6723152.0/119

- sign 203.399 $\pm$ 0.025 χ^2 /NDF: 3757113.5/59

asym_bpm0l08WS_mean vs Slug



Right In: -450.445 ± 63.654 $\chi^2/\text{NDF}: 2882.9/34$

Left Out: 710.238 ± 50.750 $\chi^2/\text{NDF}: 1932.3/24$

Right Out: -1437.629 ± 59.367 $\chi^2/\text{NDF}: 6953.8/36$

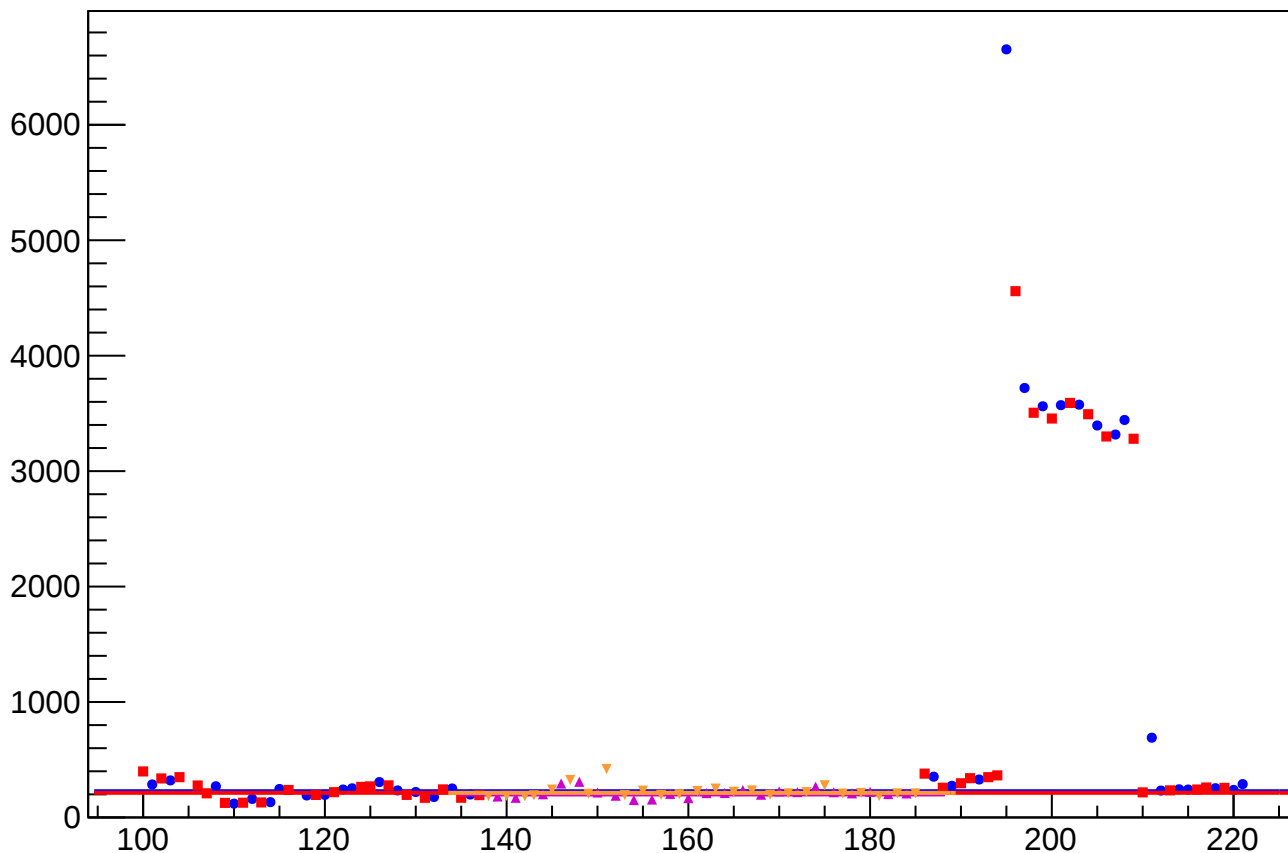
Left In: -352.432 ± 49.316 $\chi^2/\text{NDF}: 1233.1/22$

+ sign 259.164 ± 39.682 $\chi^2/\text{NDF}: 5018.5/59$

All: -291.907 ± 27.421 $\chi^2/\text{NDF}: 13772.2/119$

- sign -795.521 ± 37.935 $\chi^2/\text{NDF}: 8384.6/59$

asym_bpm0l08WS_rms vs Slug



Right In: 227.277 $\pm$ 0.045 χ^2 /NDF: 12646734.3/34

Left Out: 212.718 $\pm$ 0.036 χ^2 /NDF: 916225.9/24

Right Out: 213.450 $\pm$ 0.042 χ^2 /NDF: 11857655.0/36

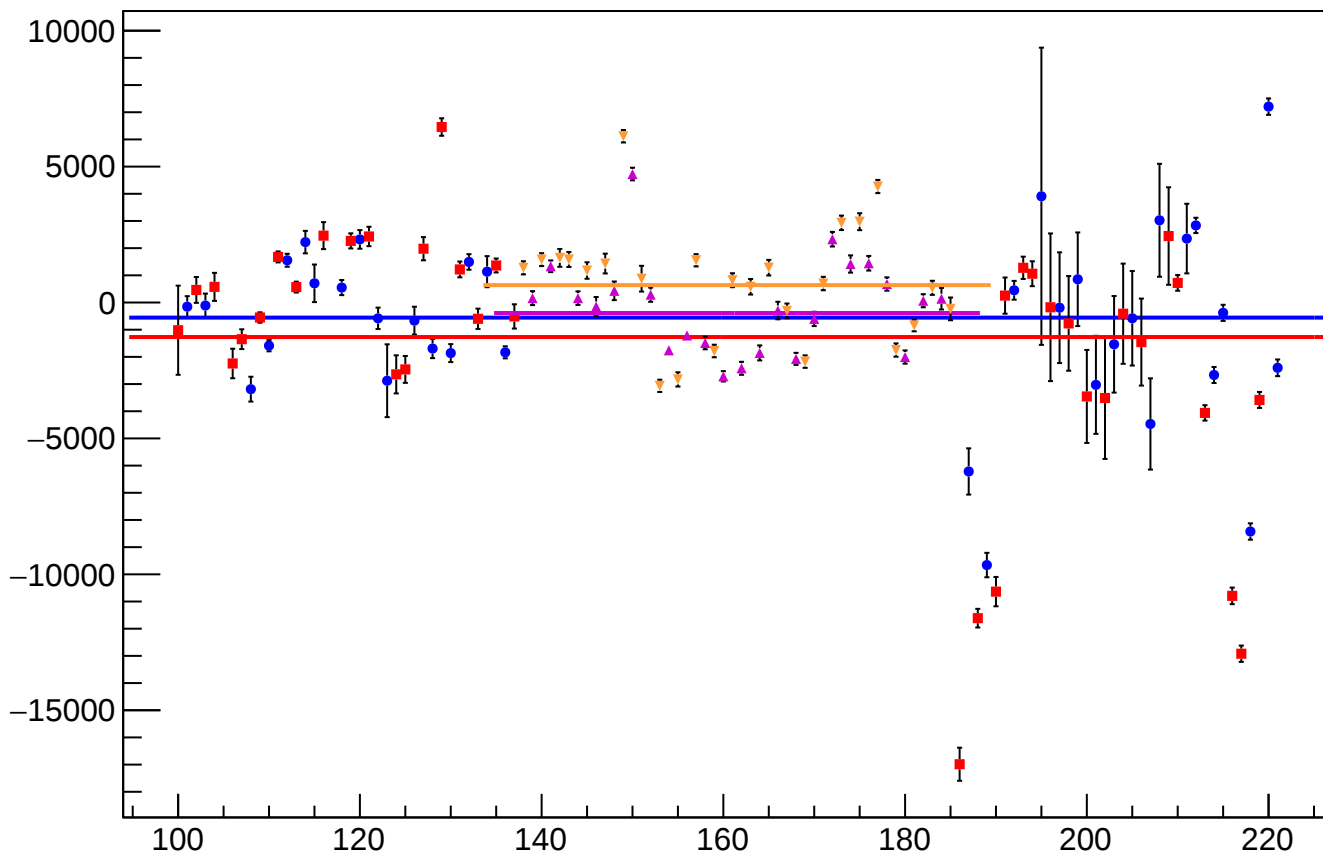
Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

+ sign 218.376 $\pm$ 0.028 χ^2 /NDF: 13626923.0/59

All: 211.379 $\pm$ 0.019 χ^2 /NDF: 26658273.2/11

- sign 204.984 $\pm$ 0.027 χ^2 /NDF: 12912326.6/59

asym_bpm0l09WS_mean vs Slug



Right In: -555.673 ± 65.129 χ^2/NDF : 2451.2/34

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: -1270.029 ± 60.947 χ^2/NDF : 6133.6/36

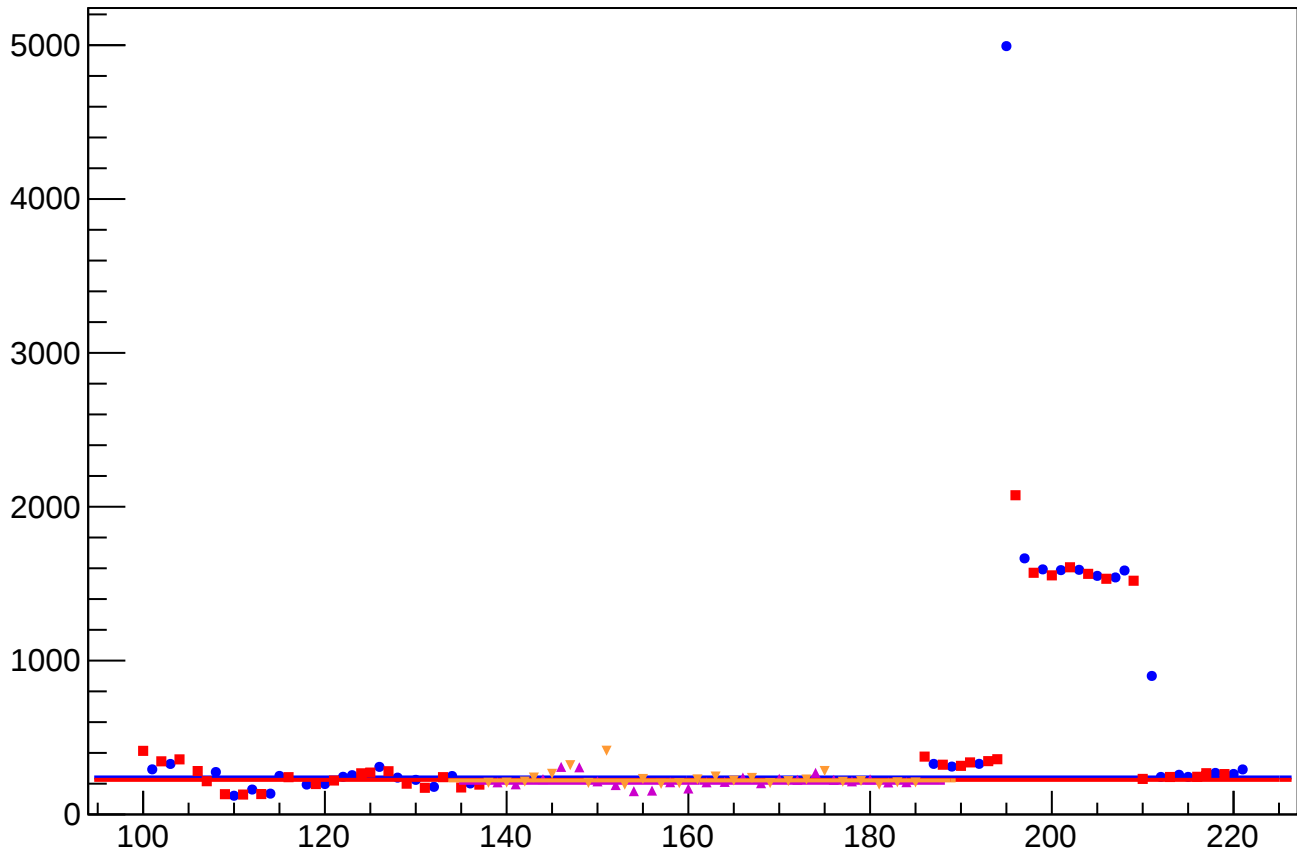
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 166.801 ± 40.972 χ^2/NDF : 4514.1/59

All: -312.994 ± 28.290 χ^2/NDF : 12271.4/119

- sign -750.170 ± 39.110 χ^2/NDF : 7495.3/59

asym_bpm0l09WS_rms vs Slug



Right In: 240.440+/-0.046 χ^2/NDF : 11396268.5/34

Left Out: 221.398+/-0.037 χ^2/NDF : 777833.8/24

Right Out: 224.879+/-0.043 χ^2/NDF : 10268960.9/36

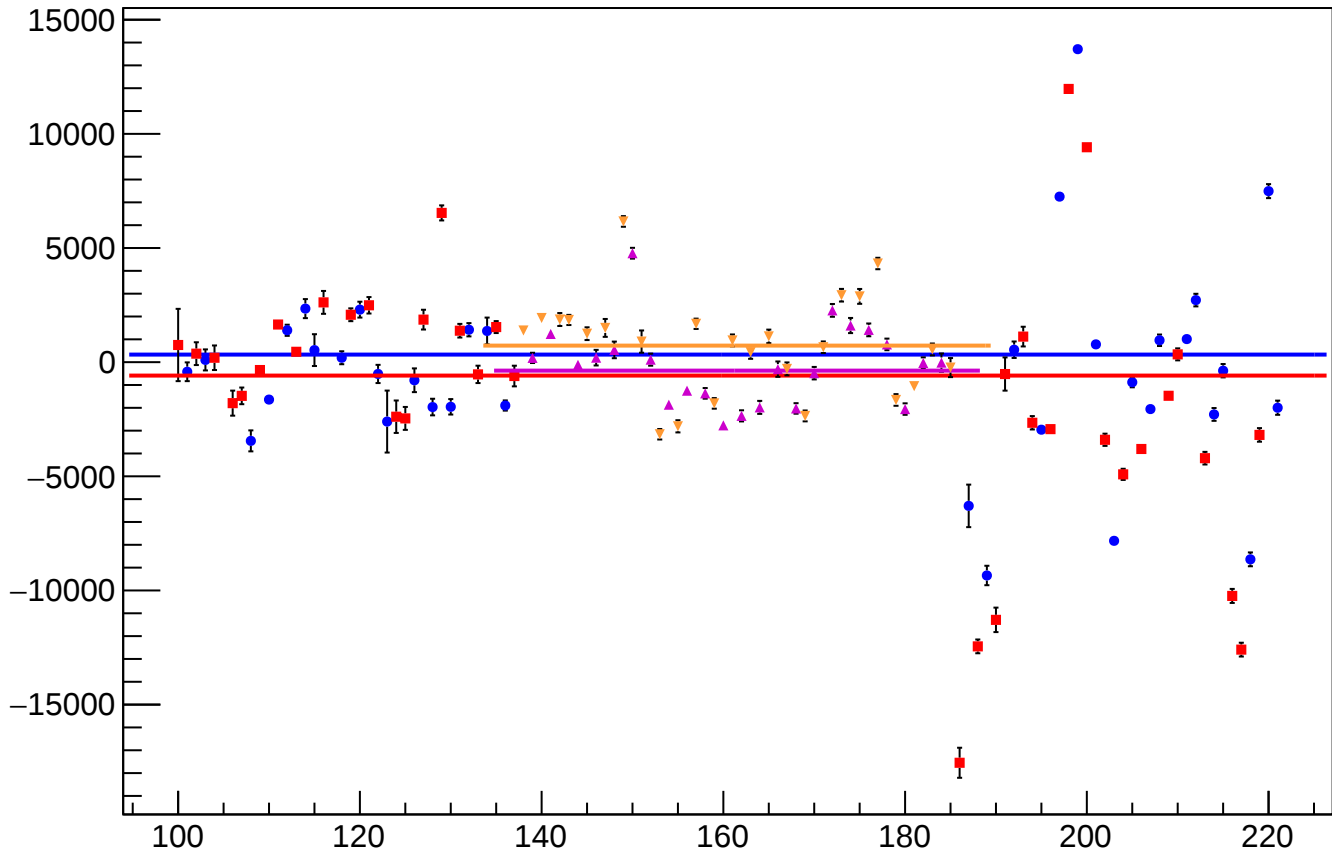
Left In: 205.803+/-0.036 χ^2/NDF : 994903.5/22

+ sign 228.934+/-0.029 χ^2/NDF : 12277412.4/59

All: 220.941+/-0.020 χ^2/NDF : 23801990.5/11

- sign 213.658+/-0.028 χ^2/NDF : 11379104.2/59

asym_bpm0l10WS_mean vs Slug



Right In: 331.801 ± 48.854 $\chi^2/\text{NDF}: 10100.8/34$

Left Out: 725.250 ± 52.307 $\chi^2/\text{NDF}: 1883.1/24$

Right Out: -587.790 ± 49.148 $\chi^2/\text{NDF}: 13114.1/36$

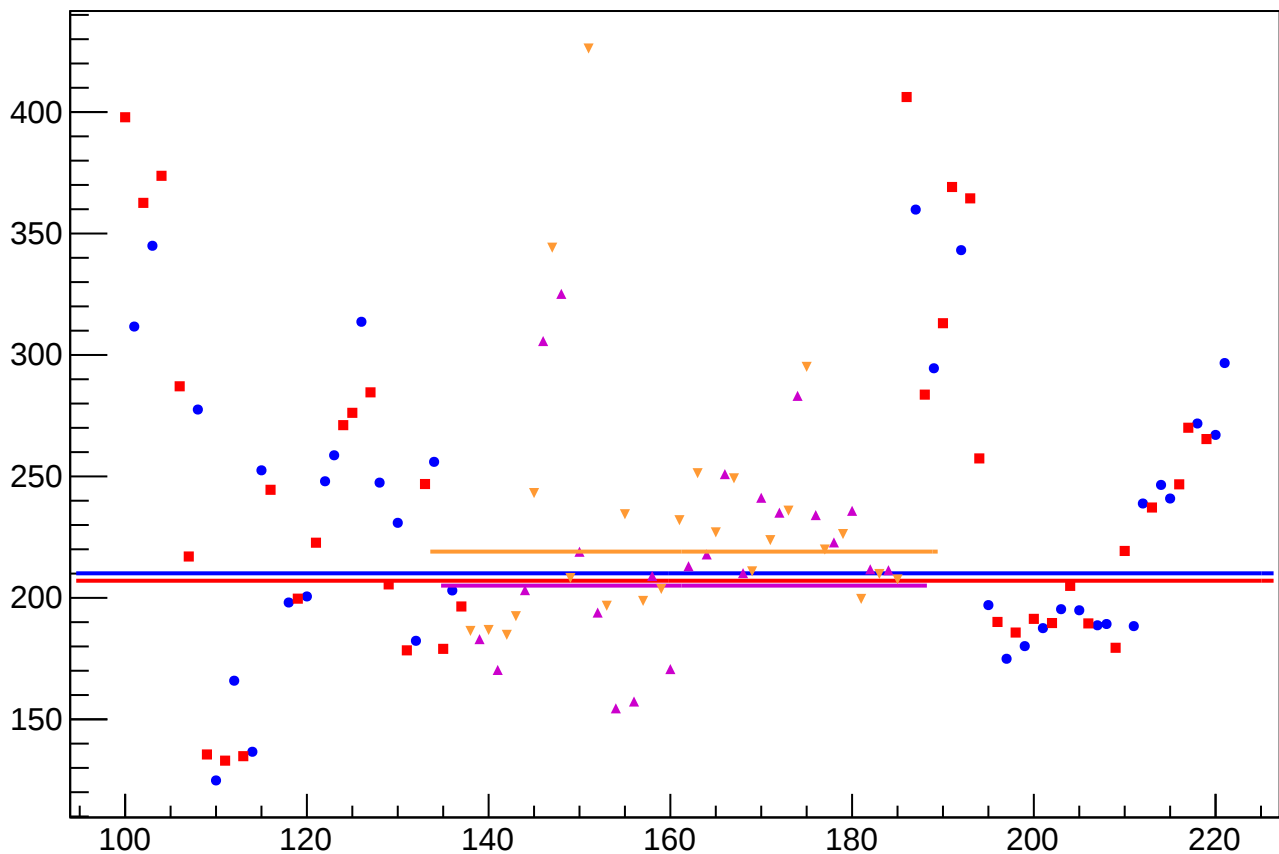
Left In: -370.408 ± 50.884 $\chi^2/\text{NDF}: 1223.2/22$

+ sign 515.111 ± 35.703 $\chi^2/\text{NDF}: 12014.2/59$

All: 11.170 ± 25.121 $\chi^2/\text{NDF}: 26755.4/119$

- sign -482.870 ± 35.351 $\chi^2/\text{NDF}: 14346.7/59$

asym_bpm0l10WS_rms vs Slug



Right In: 210.109 $\pm$ 0.035 χ^2 /NDF: 1944427.9/34

Left Out: 219.049 $\pm$ 0.037 χ^2 /NDF: 975564.4/24

Right Out: 207.061 $\pm$ 0.035 χ^2 /NDF: 2571435.5/36

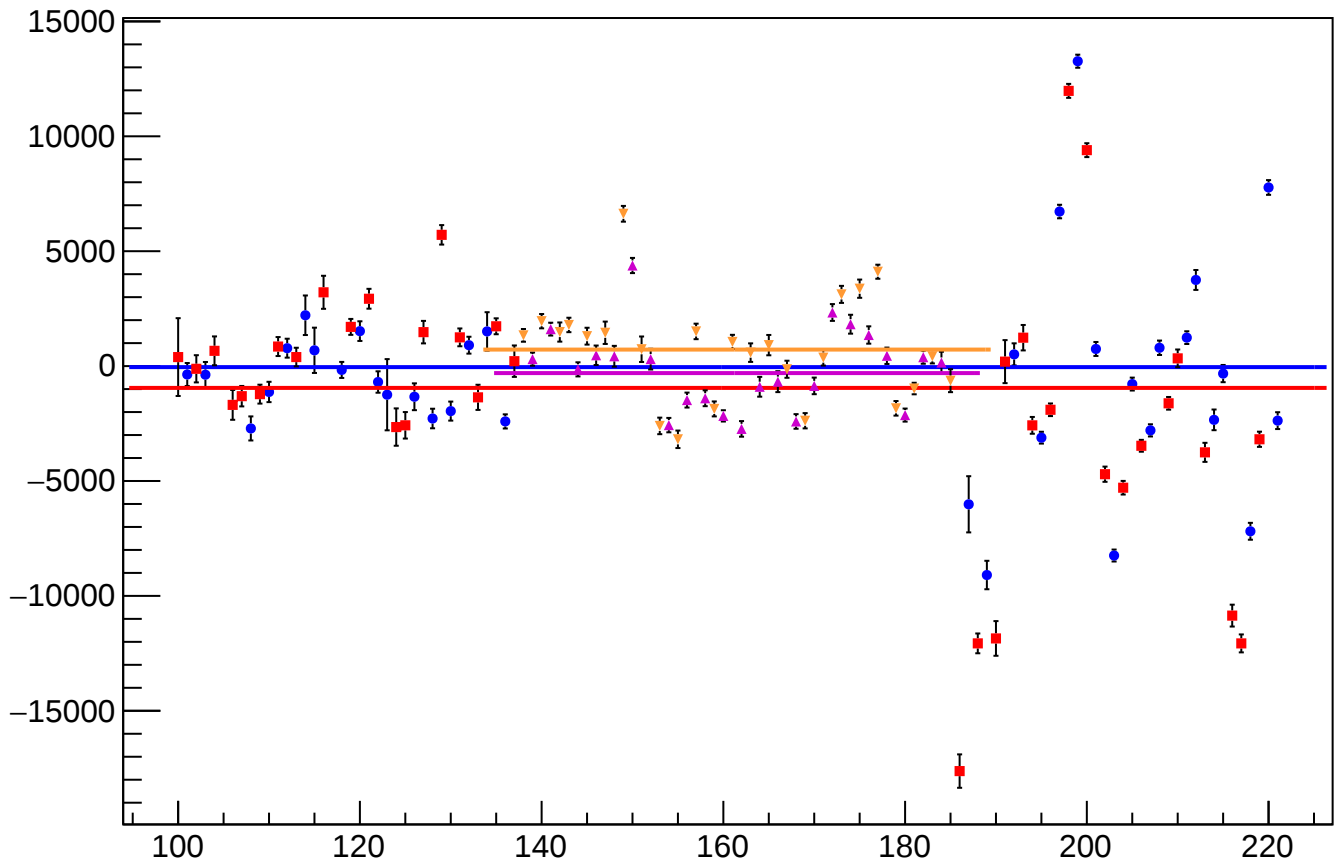
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF: 1144197.1/22

+ sign 214.274 $\pm$ 0.025 χ^2 /NDF: 2951195.4/59

All: 210.141 $\pm$ 0.018 χ^2 /NDF: 6721528.3/119

- sign 206.089 $\pm$ 0.025 χ^2 /NDF: 3717254.3/59

asym_bpm0r03WS_mean vs Slug



Right In: -44.476 ± 64.411 χ^2/NDF : 5542.7/34

Left Out: 718.705 ± 69.601 χ^2/NDF : 1018.5/24

Right Out: -948.954 ± 67.622 χ^2/NDF : 6811.8/36

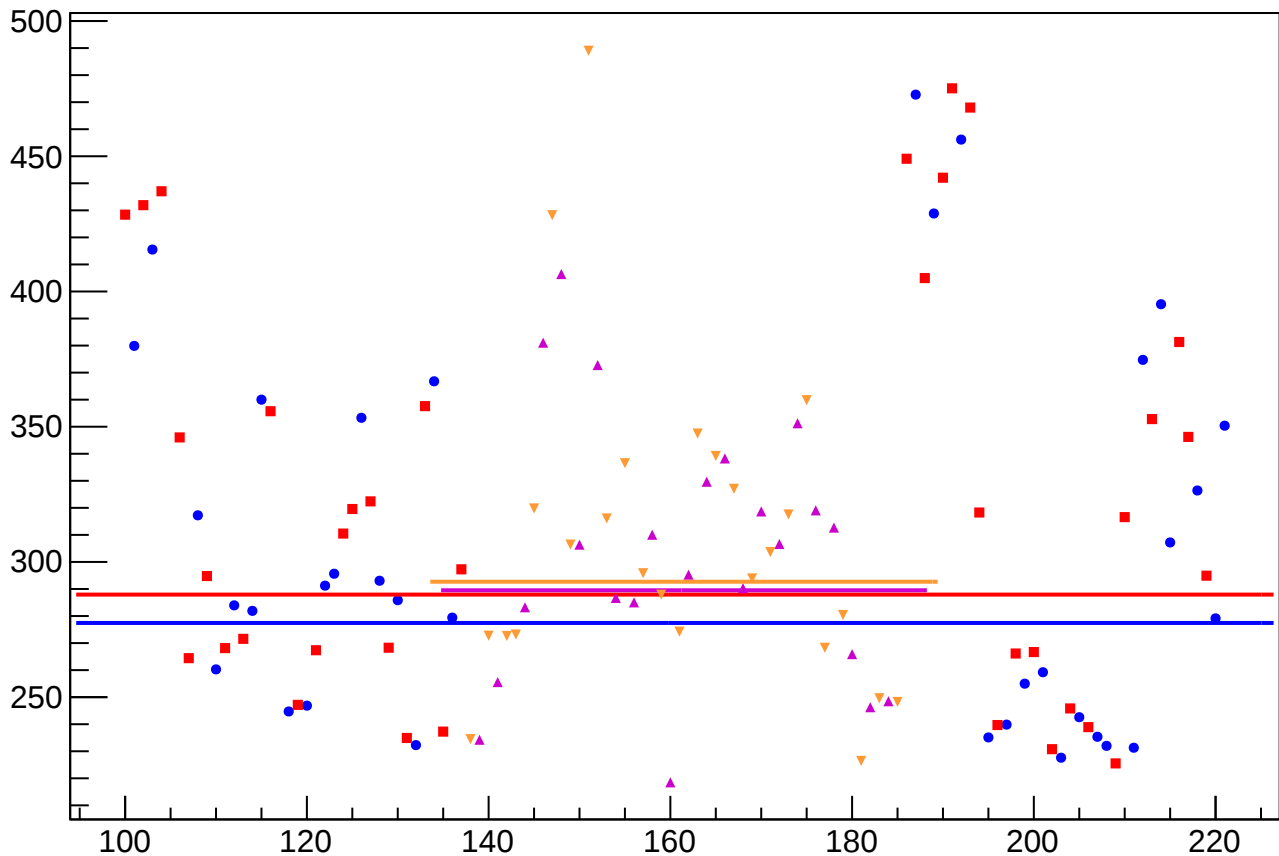
Left In: -304.161 ± 70.958 χ^2/NDF : 643.5/22

+ sign 307.606 ± 47.274 χ^2/NDF : 6626.0/59

All: -150.670 ± 34.006 χ^2/NDF : 14319.3/119

- sign -642.071 ± 48.953 χ^2/NDF : 7498.6/59

asym_bpm0r03WS_rms vs Slug



Right In: 277.446 $\pm$ 0.046 χ^2 /NDF: 1529996.2/34

Left Out: 292.686 $\pm$ 0.049 χ^2 /NDF: 925193.6/24

Right Out: 287.928 $\pm$ 0.048 χ^2 /NDF: 1633570.4/36

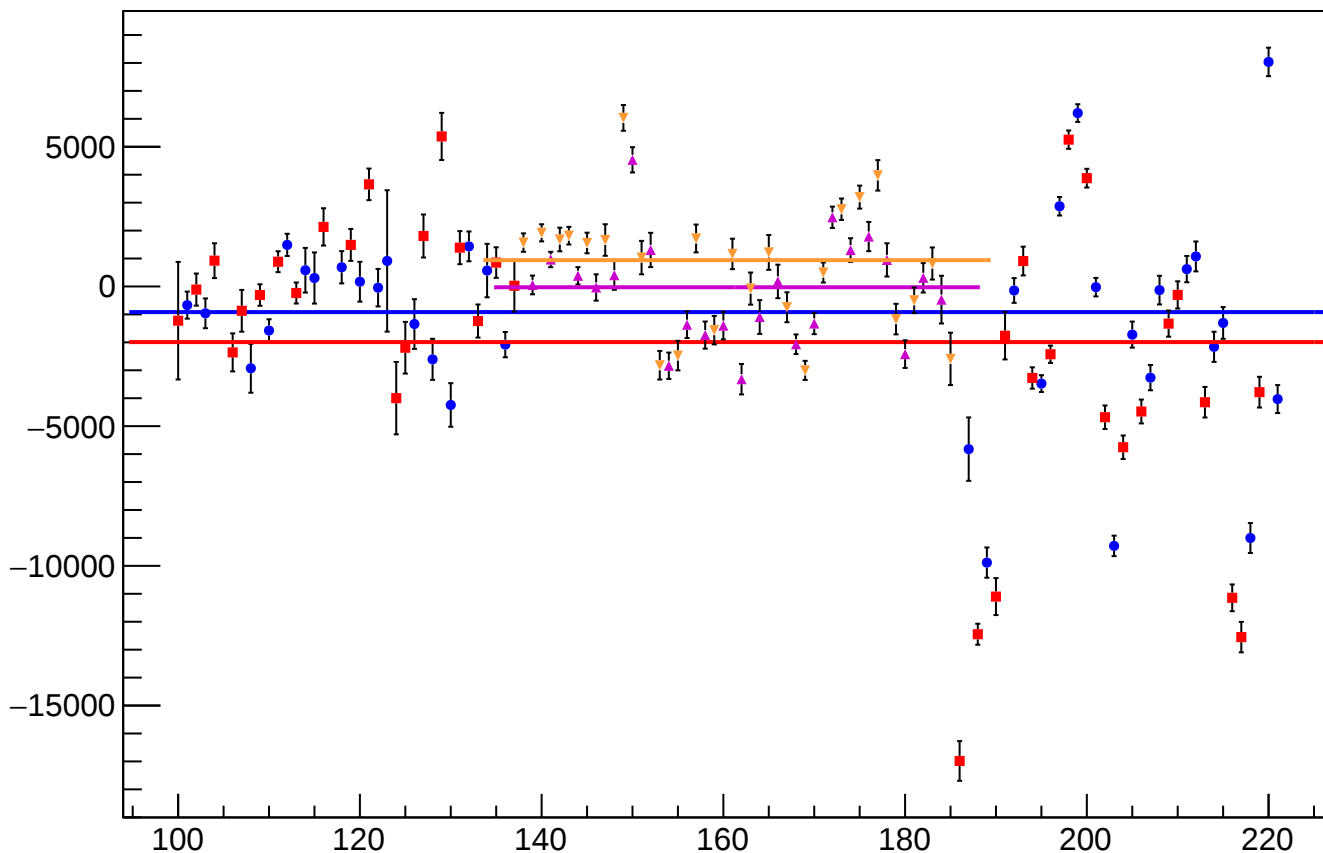
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 284.477 $\pm$ 0.033 χ^2 /NDF: 2506840.3/59

All: 286.508 $\pm$ 0.024 χ^2 /NDF: 4926493.9/119

- sign 288.687 $\pm$ 0.035 χ^2 /NDF: 2411999.9/59

asym_bpm0r05WS_mean vs Slug



Right In: -917.668 ± 84.194 $\chi^2/\text{NDF}: 2285.8/34$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -1991.200 ± 82.690 $\chi^2/\text{NDF}: 3664.0/36$

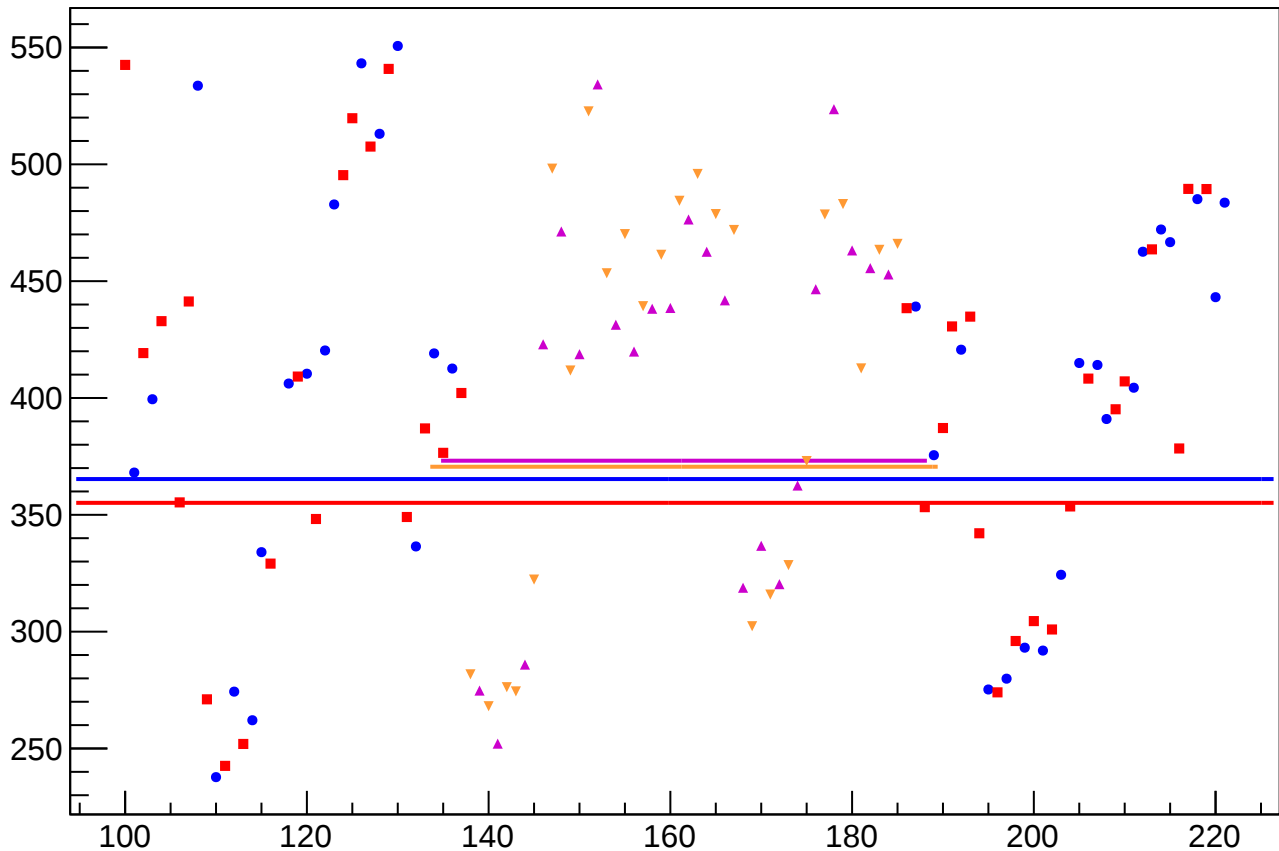
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign -40.827 ± 61.201 $\chi^2/\text{NDF}: 3060.4/59$

All: -575.585 ± 43.416 $\chi^2/\text{NDF}: 7491.6/119$

- sign -1117.306 ± 61.598 $\chi^2/\text{NDF}: 4277.5/59$

asym_bpm0r05WS_rms vs Slug



Right In: 365.308+/-0.060 χ^2/NDF : 1877464.3/34

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 355.128+/-0.058 χ^2/NDF : 1595935.0/36

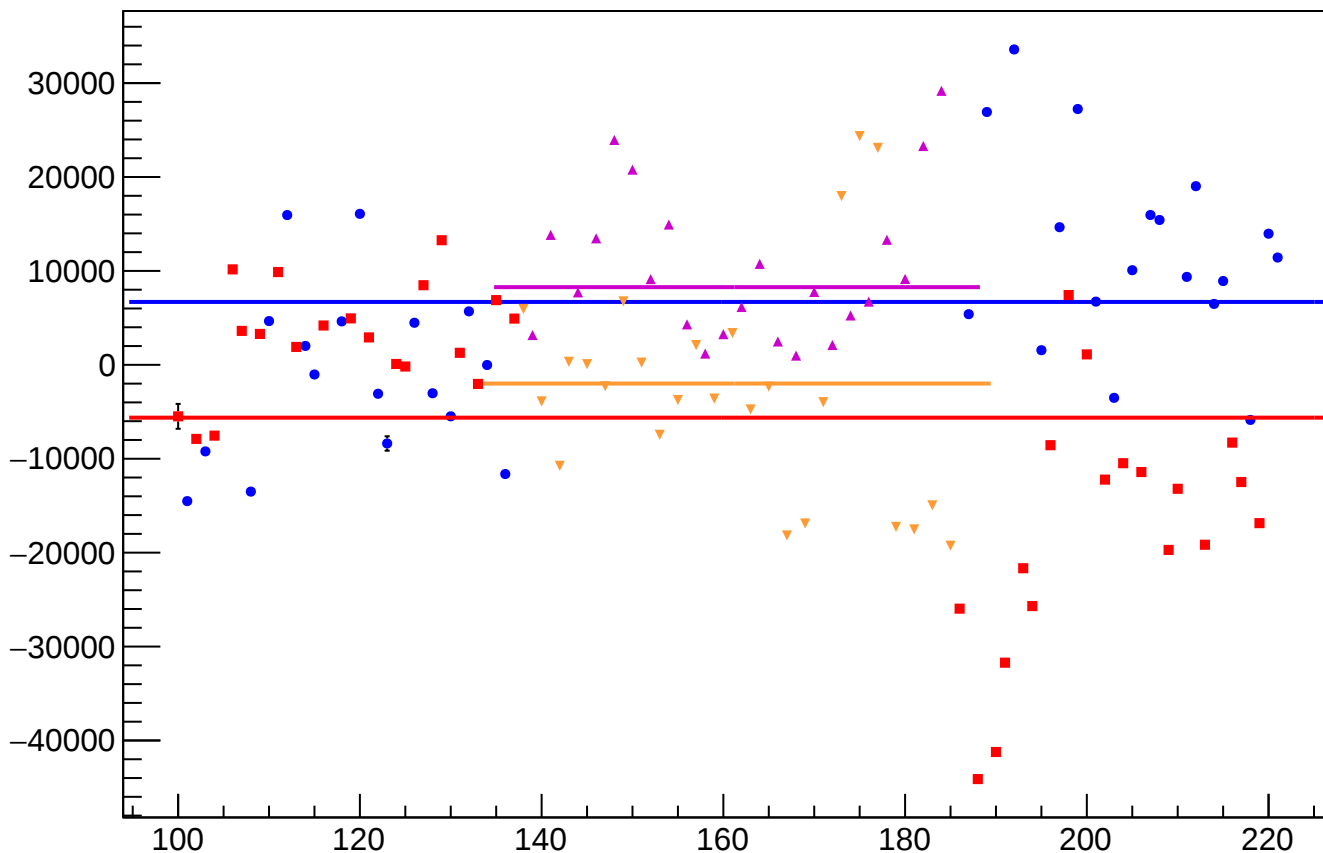
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 367.794+/-0.043 χ^2/NDF : 3759280.9/59

All: 365.489+/-0.031 χ^2/NDF : 7039503.2/119

- sign 363.154+/-0.044 χ^2/NDF : 3274511.6/59

asym_bpm0i02WS_mean vs Slug



Right In: 6697.508+/-38.234 χ^2/NDF : 97322.3/34

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -5624.144+/-37.551 χ^2/NDF : 146871.1/36

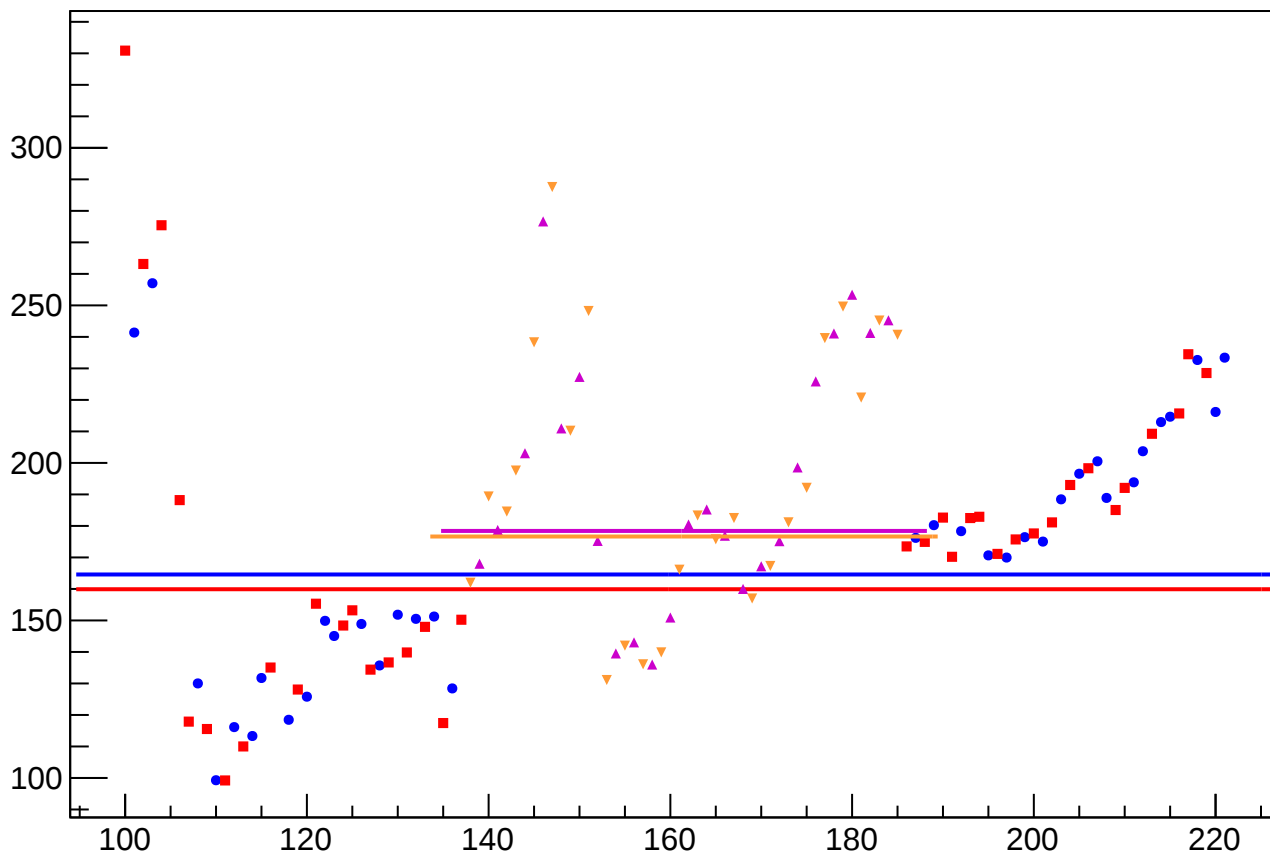
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 2803.261+/-28.403 χ^2/NDF : 184236.0/59

All: 1505.894+/-20.169 χ^2/NDF : 415450.7/11

- sign 186.272+/-28.645 χ^2/NDF : 227006.0/59

asym_bpm0i02WS_rms vs Slug



Right In: 164.590 $\pm$ 0.027 χ^2 /NDF: 2040126.8/34

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 159.906 $\pm$ 0.027 χ^2 /NDF: 2145050.8/36

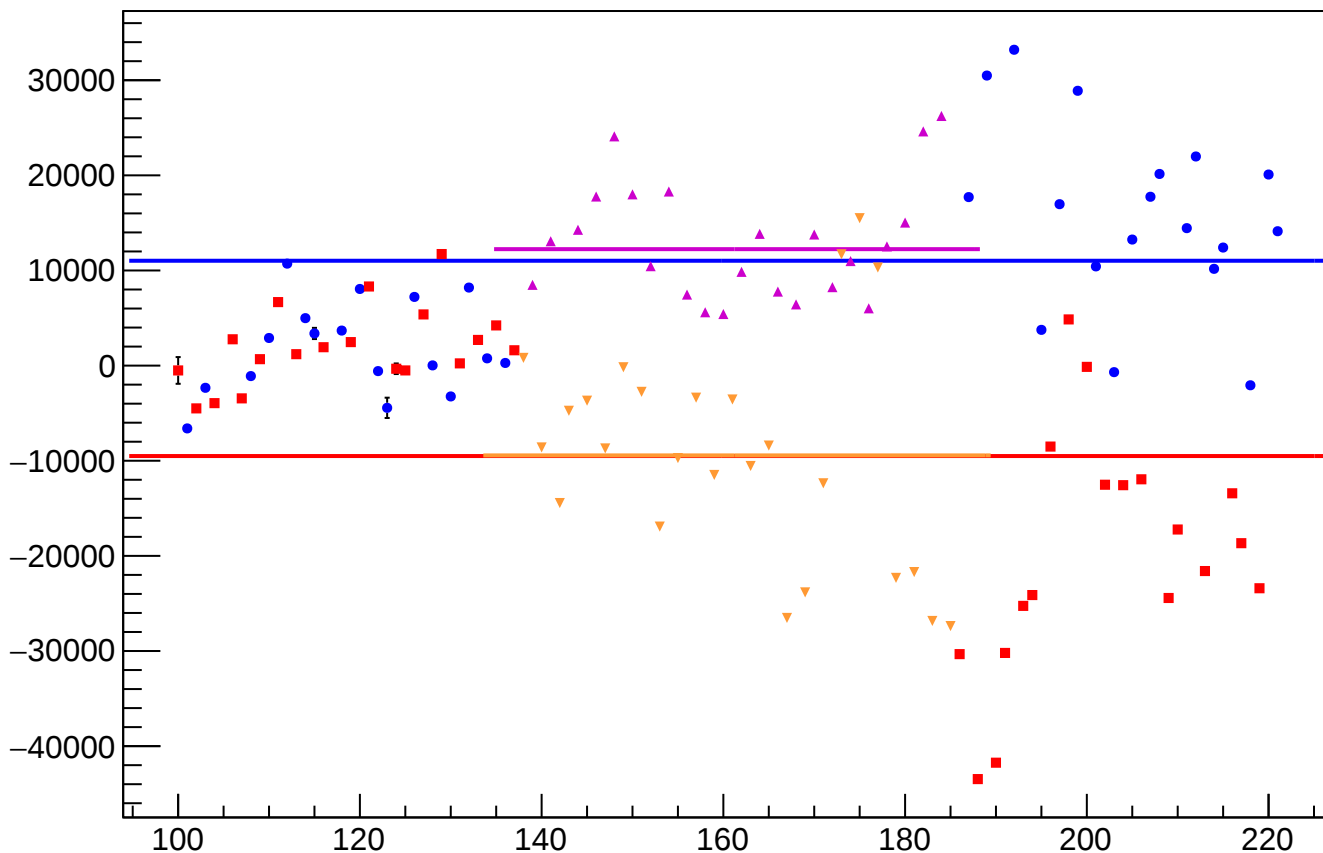
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 169.991 $\pm$ 0.020 χ^2 /NDF: 3680221.7/59

All: 168.827 $\pm$ 0.014 χ^2 /NDF: 7328894.0/119

- sign 167.644 $\pm$ 0.020 χ^2 /NDF: 3641903.3/59

asym_bpm0i02aWS_mean vs Slug



Right In: 11022.905 $\pm$ 41.709 χ^2 /NDF: 59144.8/34

Left Out: -9437.408 $\pm$ 45.534 χ^2 /NDF:62220.4/24

Right Out: -9506.011 $\pm$ 41.283 χ^2 /NDF: 120349.6/36

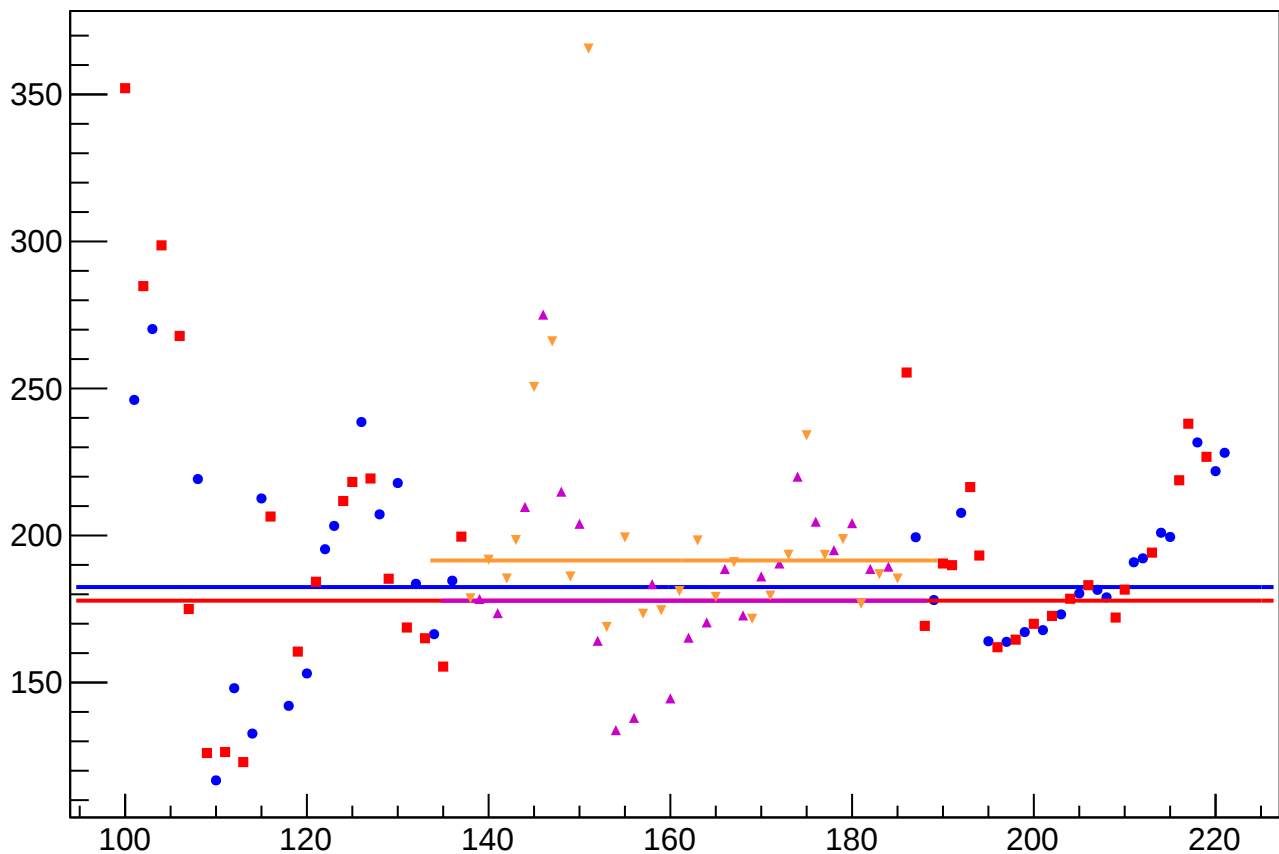
Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF:16615.8/22

+ sign 1688.235 $\pm$ 30.756 χ^2 /NDF: 231154.3/59

All: 1177.955 $\pm$ 21.508 χ^2 /NDF: 498764.5/11

- sign 689.593 $\pm$ 30.088 χ^2 /NDF: 267071.4/59

asym_bpm0i02aWS_rms vs Slug



Right In: 182.464+/-0.029 χ^2/NDF : 1031770.9/34

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 177.840+/-0.029 χ^2/NDF : 1388827.0/36

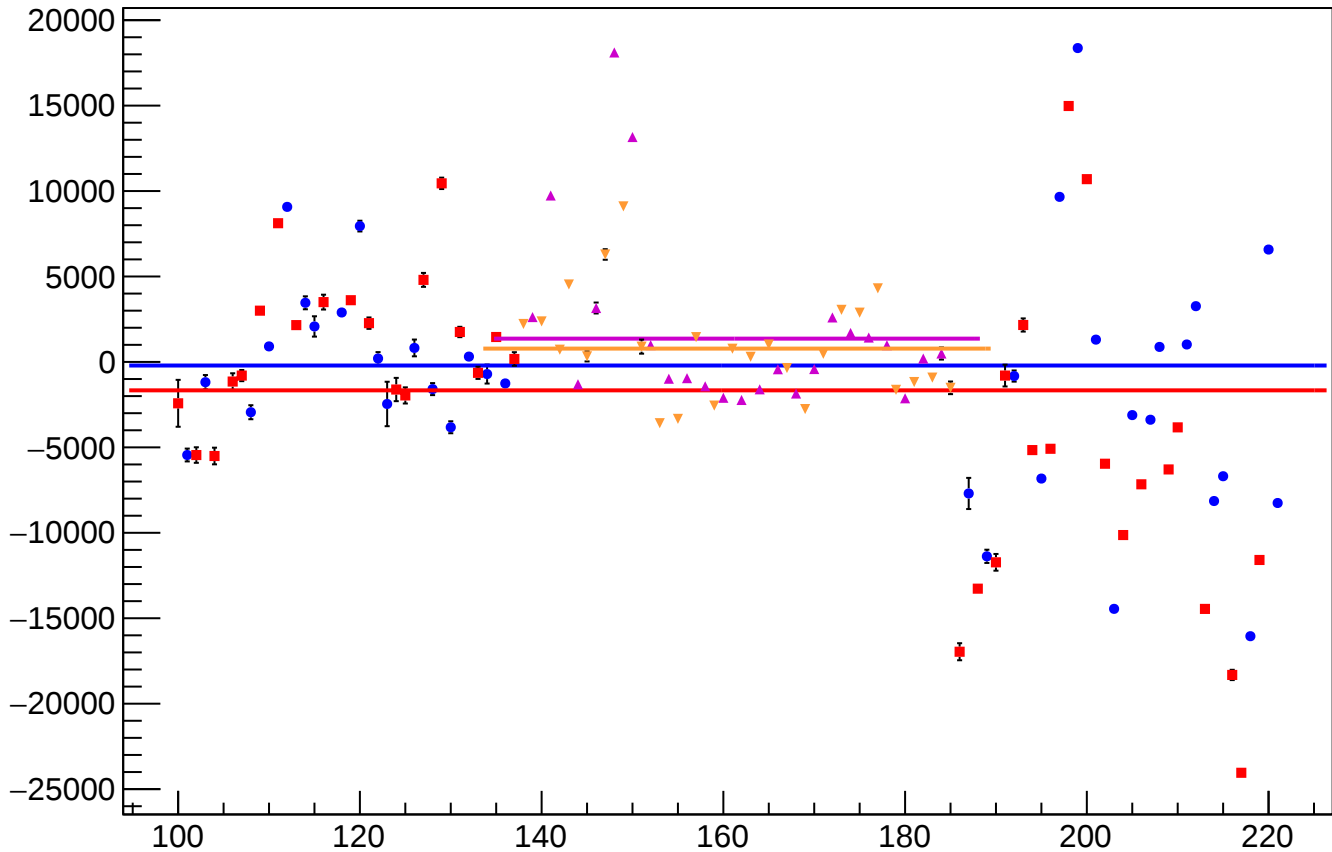
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 186.589+/-0.022 χ^2/NDF : 1801917.5/59

All: 182.114+/-0.015 χ^2/NDF : 4136102.6/119

- sign 177.832+/-0.021 χ^2/NDF : 2251321.5/59

asym_bpm0i05WS_mean vs Slug



Right In: -210.334 ± 46.763 $\chi^2/\text{NDF}: 26900.0/34$

Left Out: 779.983 ± 47.457 $\chi^2/\text{NDF}: 4260.8/24$

Right Out: -1663.290 ± 46.406 $\chi^2/\text{NDF}: 35770.8/36$

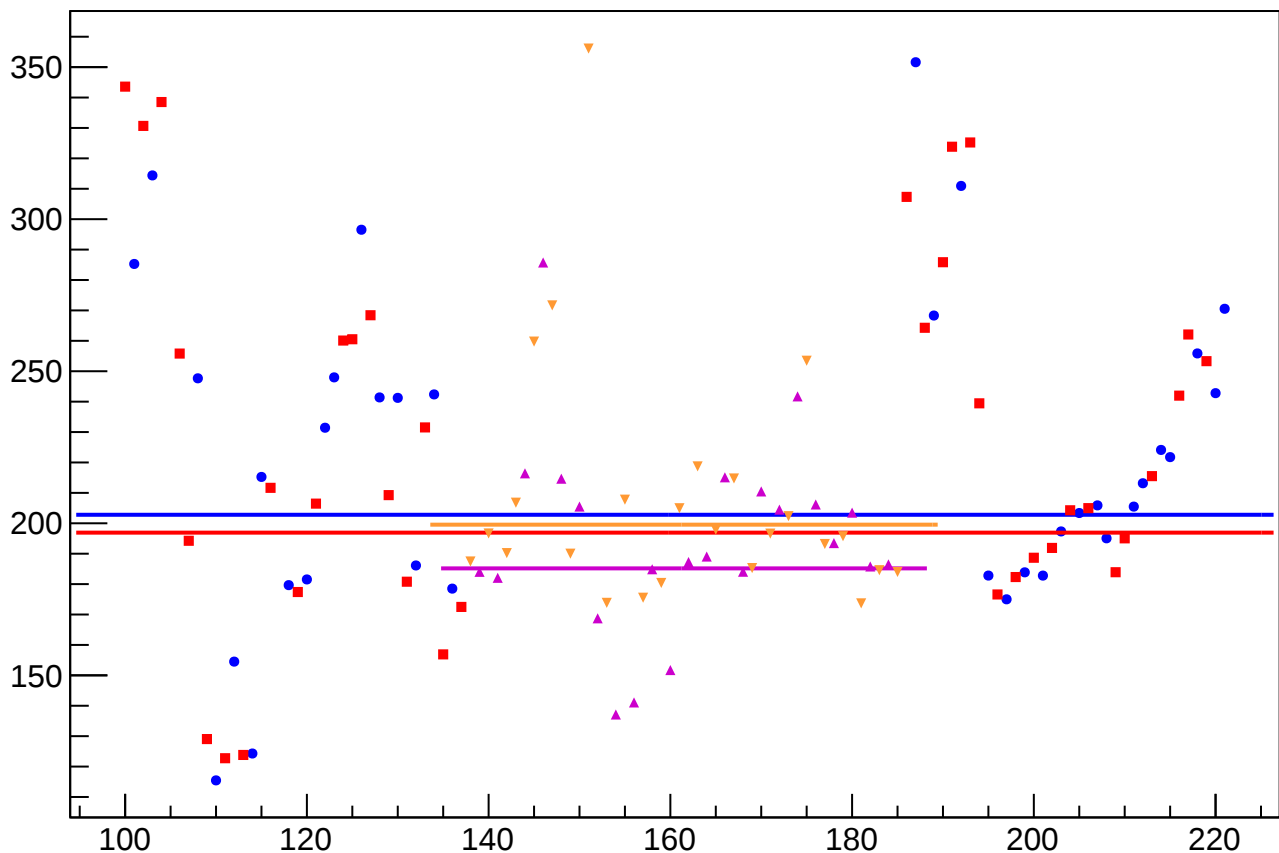
Left In: 1363.043 ± 45.807 $\chi^2/\text{NDF}: 11632.9/22$

+ sign 277.523 ± 33.309 $\chi^2/\text{NDF}: 31381.7/59$

All: 69.144 ± 23.298 $\chi^2/\text{NDF}: 81016.1/119$

- sign -130.457 ± 32.600 $\chi^2/\text{NDF}: 49557.7/59$

asym_bpm0i05WS_rms vs Slug



Right In: 202.799 ± 0.033 χ^2/NDF : 1712407.3/34

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 196.925 ± 0.033 χ^2/NDF : 2402441.1/36

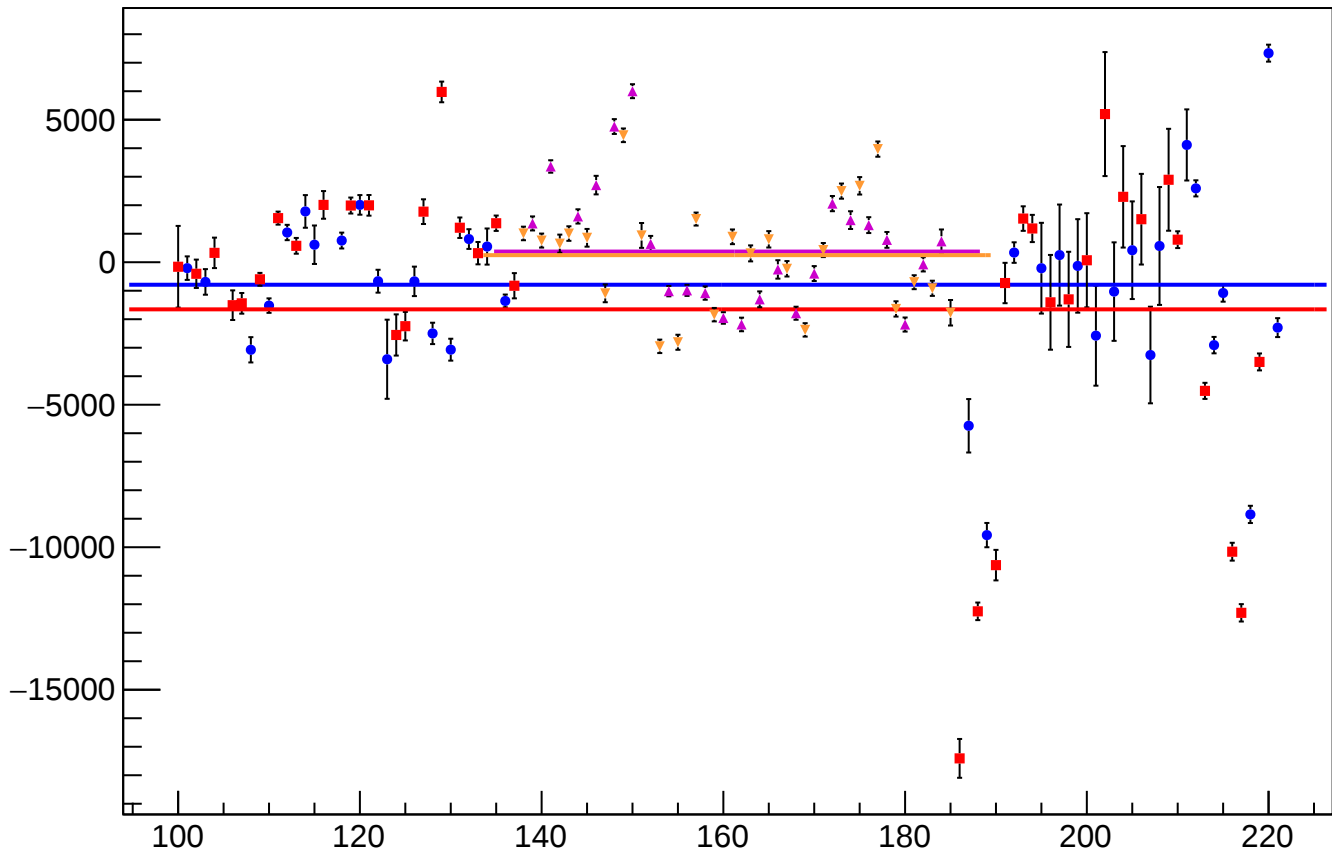
Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

+ sign 201.197 ± 0.024 χ^2/NDF : 2446529.2/59

All: 195.974 ± 0.016 χ^2/NDF : 5892985.6/119

- sign 190.972 ± 0.023 χ^2/NDF : 3350191.4/59

asym_bpm0i07WS_mean vs Slug



Right In: -789.969 ± 68.820 χ^2/NDF : 2454.1/34

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -1653.608 ± 65.299 χ^2/NDF : 5640.1/36

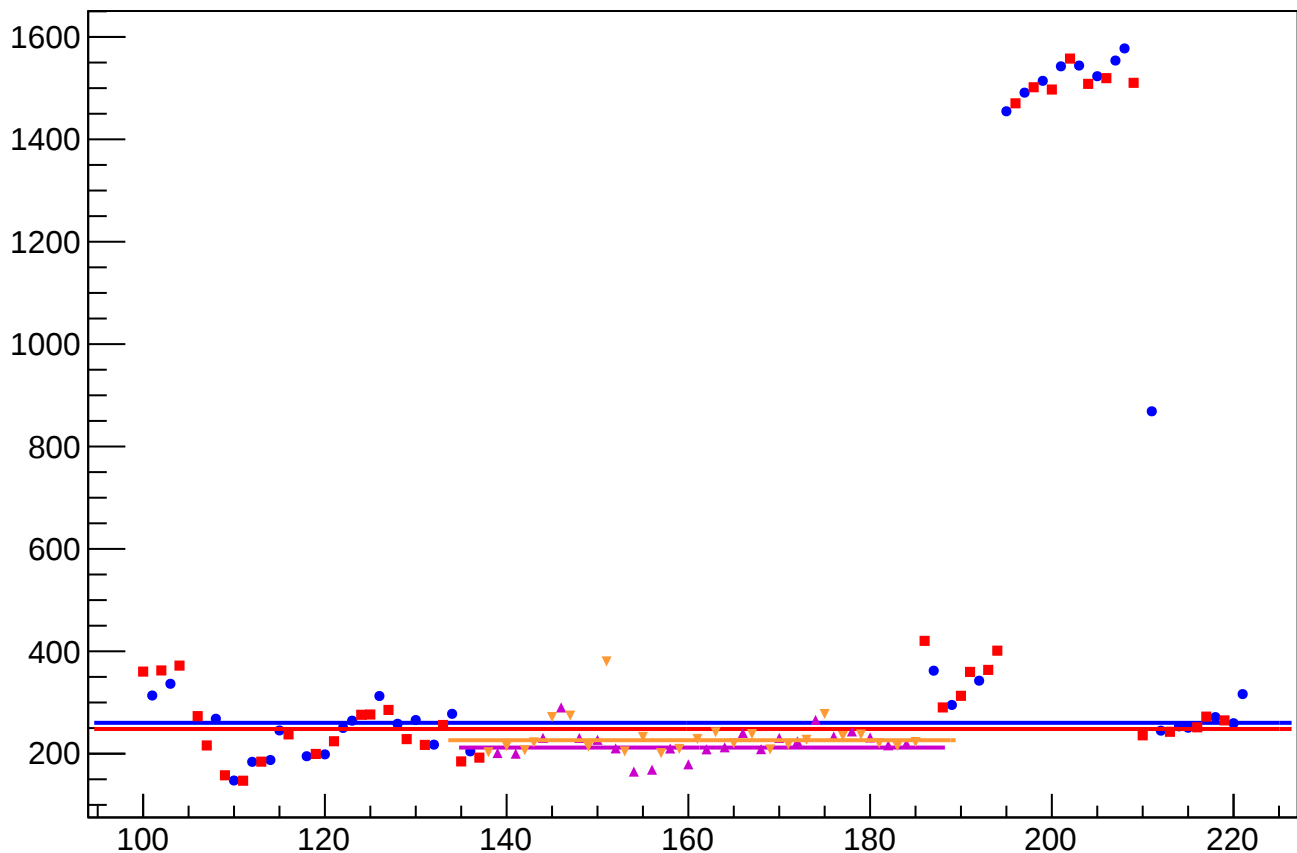
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -143.588 ± 42.265 χ^2/NDF : 3950.8/59

All: -283.722 ± 29.317 χ^2/NDF : 12002.7/119

- sign -413.676 ± 40.701 χ^2/NDF : 8030.8/59

asym_bpm0i07WS_rms vs Slug



Right In: 260.297 $\pm$ 0.049 χ^2 /NDF: 10211166.5/34

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 248.287 $\pm$ 0.046 χ^2 /NDF: 9294733.7/36

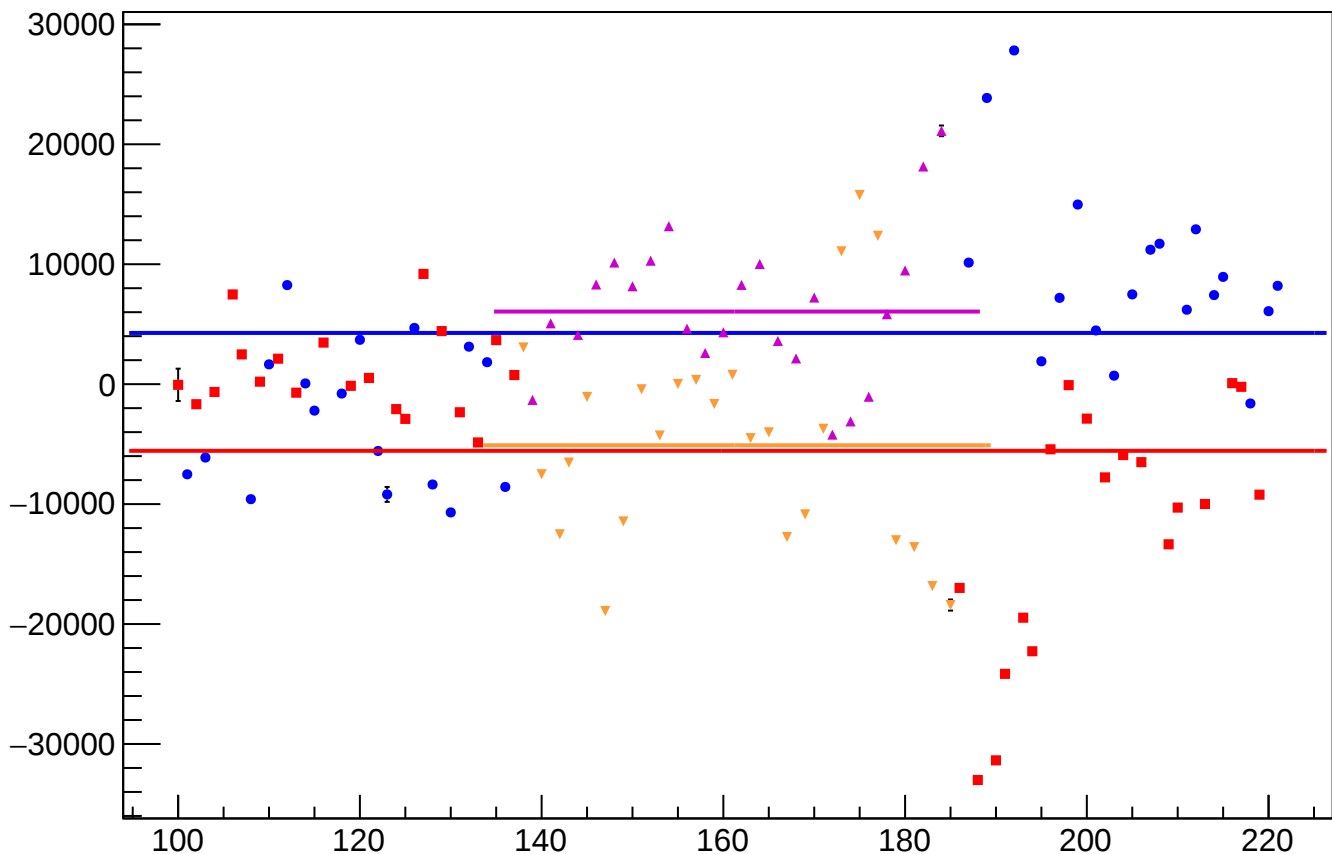
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 239.136 $\pm$ 0.030 χ^2 /NDF: 11035794.9/59

All: 232.362 $\pm$ 0.021 χ^2 /NDF: 21392181.2/111

- sign 226.080 $\pm$ 0.029 χ^2 /NDF: 10257358.7/59

asym_bpm1i02WS_mean vs Slug



Right In: 4270.727+/-32.521 χ^2/NDF : 81247.8/34

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5557.266+/-31.715 χ^2/NDF : 105365.4/36

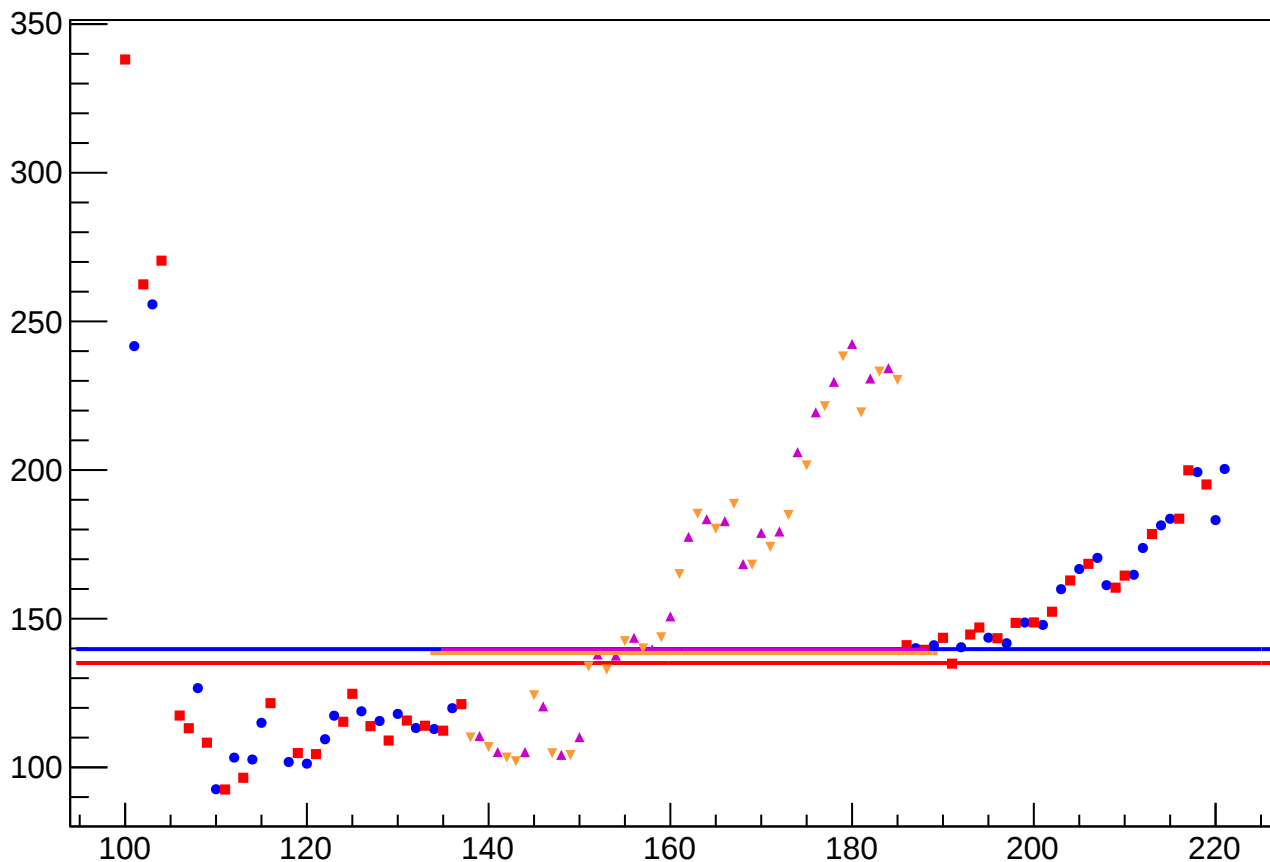
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -245.123+/-23.403 χ^2/NDF : 175634.4/59

All: -283.290+/-16.583 χ^2/NDF : 359029.2/111

- sign -321.779+/-23.501 χ^2/NDF : 183389.5/59

asym_bpm1i02WS_rms vs Slug



Right In: 139.759+/-0.023 χ^2/NDF : 2059540.7/34

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 135.104+/-0.022 χ^2/NDF : 2016763.8/36

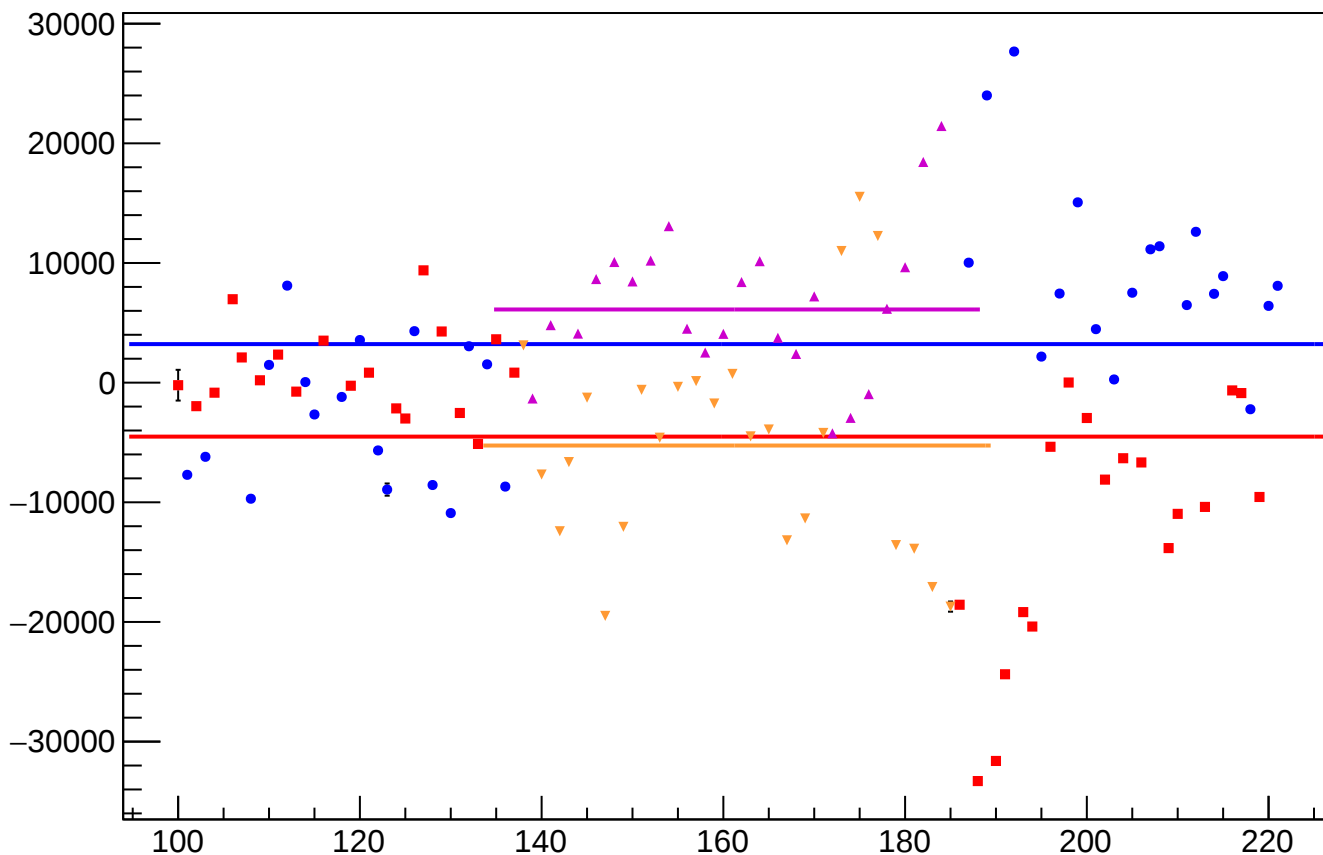
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 139.121+/-0.017 χ^2/NDF : 4610573.9/59

All: 138.125+/-0.012 χ^2/NDF : 9066210.7/119

- sign 137.121+/-0.017 χ^2/NDF : 4448365.8/59

asym_bpm1i04WS_mean vs Slug



Right In: 3220.495 ± 29.303 $\chi^2/\text{NDF}: 92624.7/34$

Left Out: -5255.652 ± 30.622 $\chi^2/\text{NDF}: 64324.6/24$

Right Out: -4510.865 ± 28.609 $\chi^2/\text{NDF}: 114998.4/36$

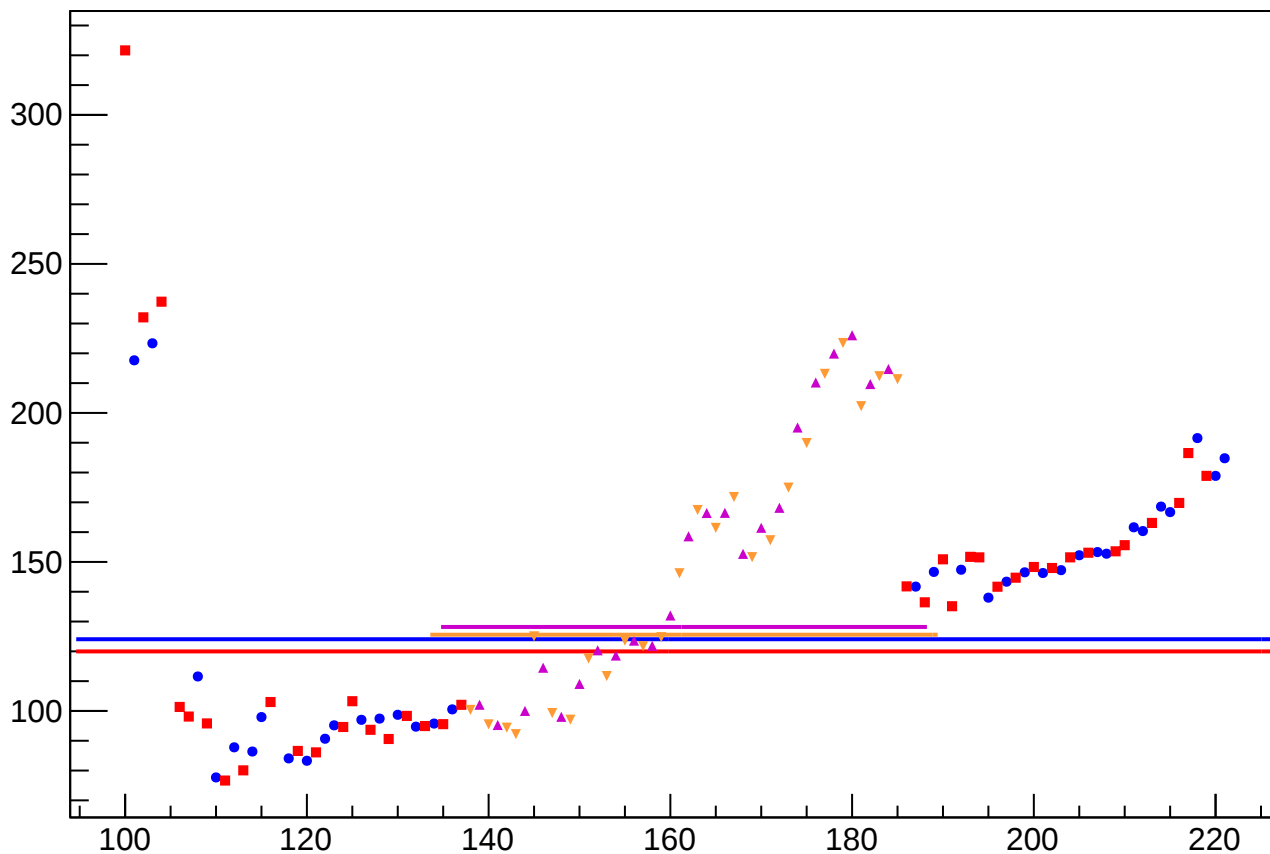
Left In: 6114.901 ± 32.126 $\chi^2/\text{NDF}: 21260.9/22$

+ sign -831.142 ± 21.171 $\chi^2/\text{NDF}: 196943.6/59$

All: -325.780 ± 15.039 $\chi^2/\text{NDF}: 395365.6/11$

- sign 188.882 ± 21.365 $\chi^2/\text{NDF}: 197272.0/59$

asym_bpm1i04WS_rms vs Slug



Right In: 124.063+/-0.021 χ^2/NDF : 3022195.0/34

Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24

Right Out: 119.974+/-0.020 χ^2/NDF : 2985874.4/36

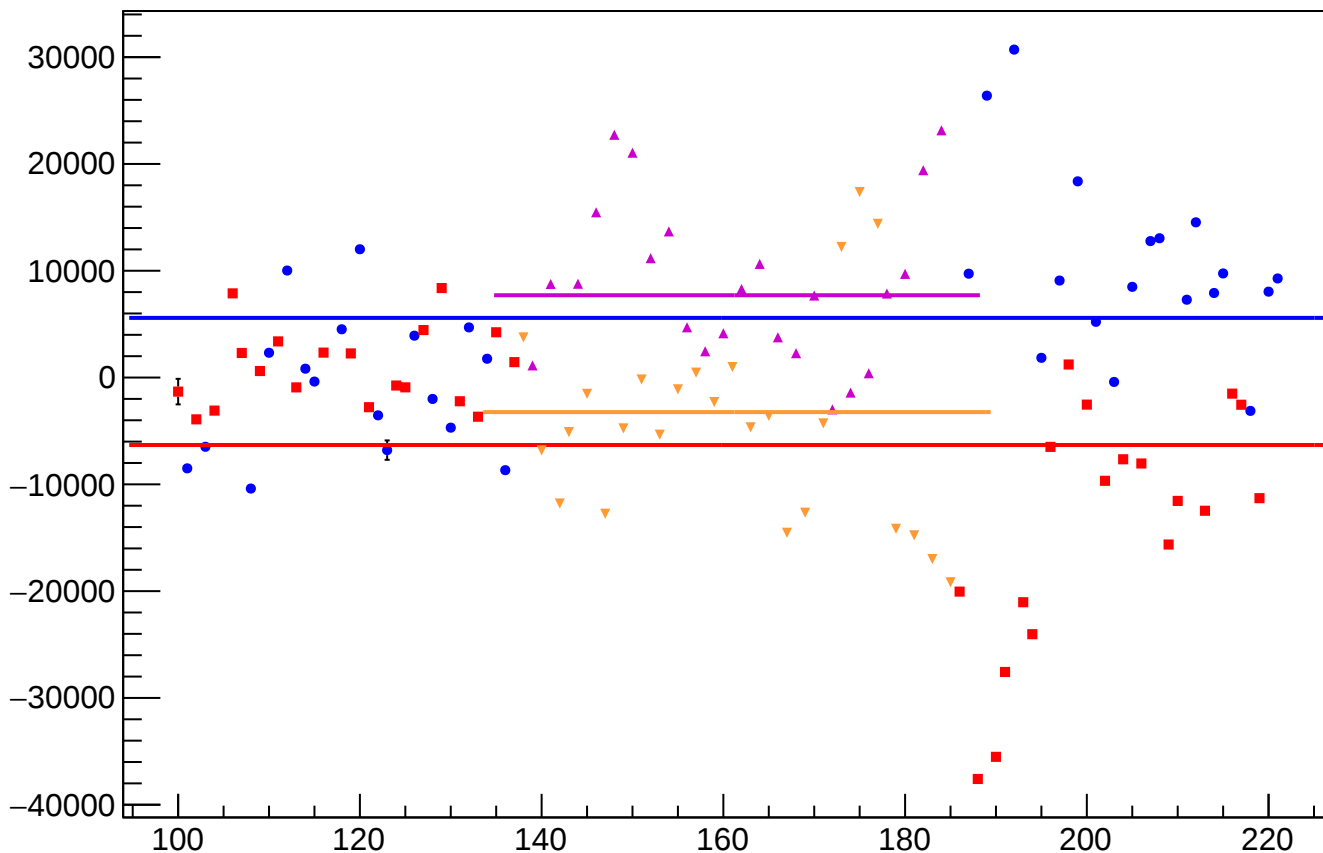
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 124.787+/-0.015 χ^2/NDF : 5620498.9/59

All: 124.201+/-0.011 χ^2/NDF : 11015289.0/111

- sign 123.605+/-0.015 χ^2/NDF : 5391700.6/59

asym_bpm1i06WS_mean vs Slug



Right In: 5586.157+/-38.588 χ^2/NDF : 64279.0/34

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: -6314.758+/-37.663 χ^2/NDF : 94346.0/36

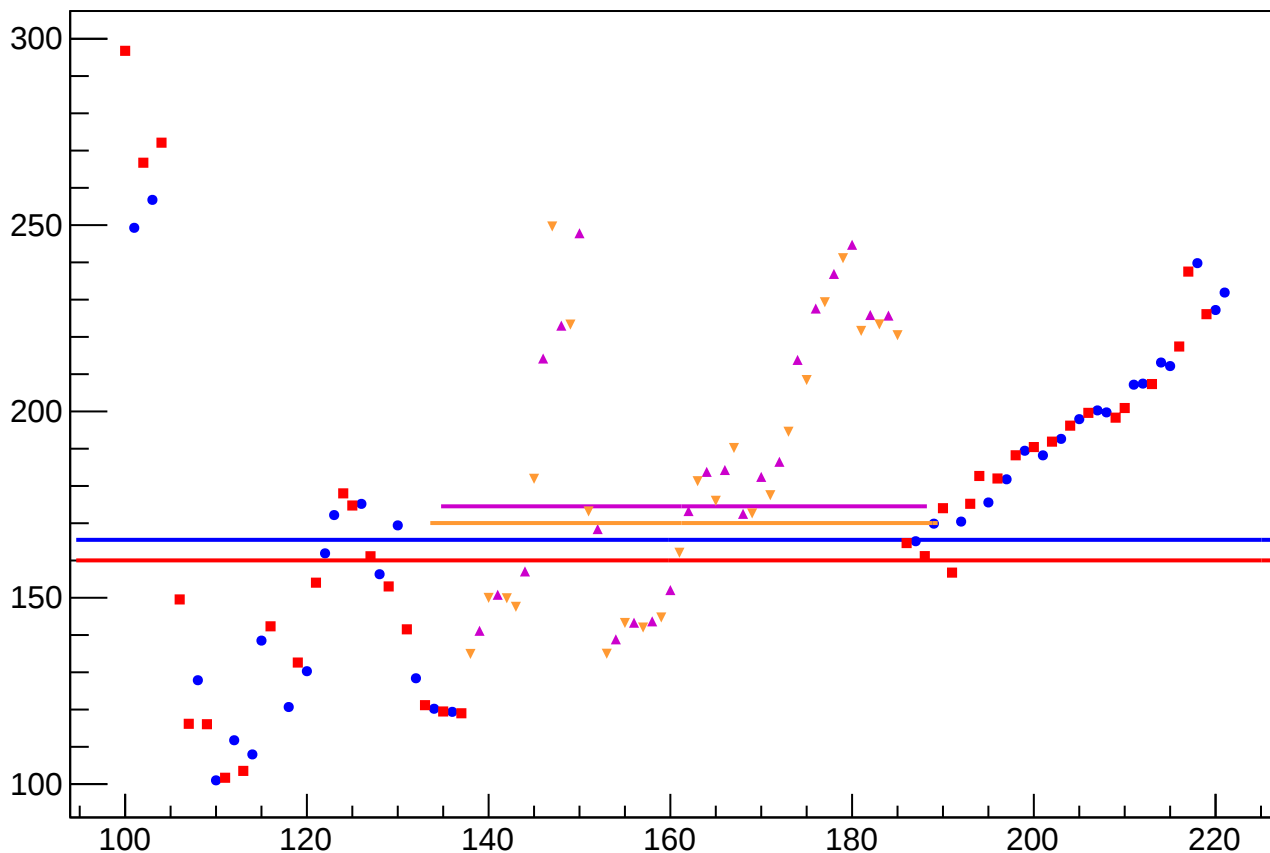
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign 1397.716+/-27.964 χ^2/NDF : 125831.4/59

All: 596.365+/-19.901 χ^2/NDF : 303298.0/119

- sign -226.006+/-28.329 χ^2/NDF : 175802.8/59

asym_bpm1i06WS_rms vs Slug



Right In: 165.544+/-0.027 χ^2/NDF : 2350112.2/34

Left Out: 170.050+/-0.029 χ^2/NDF :1240866.9/24

Right Out: 160.027+/-0.027 χ^2/NDF : 2307812.7/36

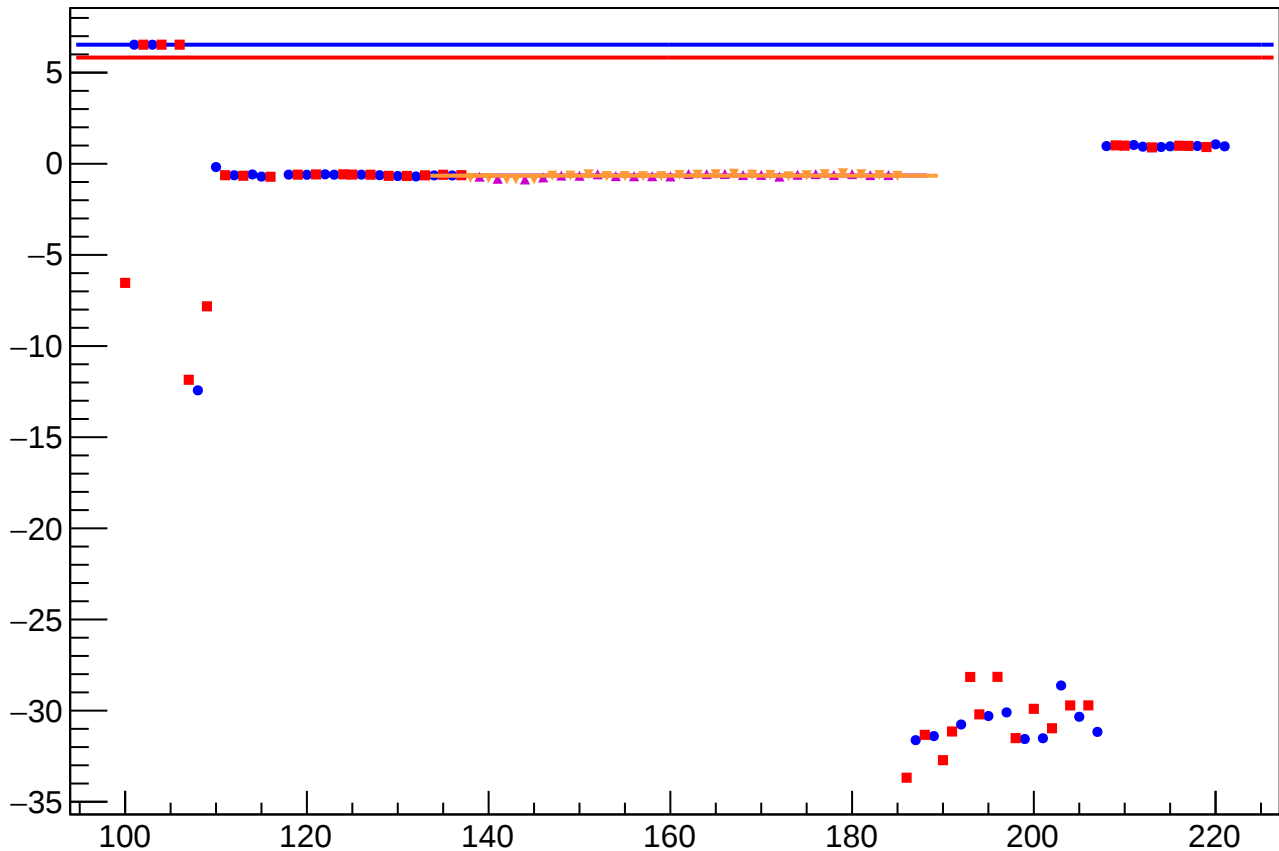
Left In: 174.539+/-0.030 χ^2/NDF :1210071.2/22

+ sign 167.683+/-0.020 χ^2/NDF : 3603926.5/59

All: 167.015+/-0.014 χ^2/NDF : 7253063.1/119

- sign 166.329+/-0.020 χ^2/NDF : 3646821.1/59

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 142909346113.4/34

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755956015700050.8/36

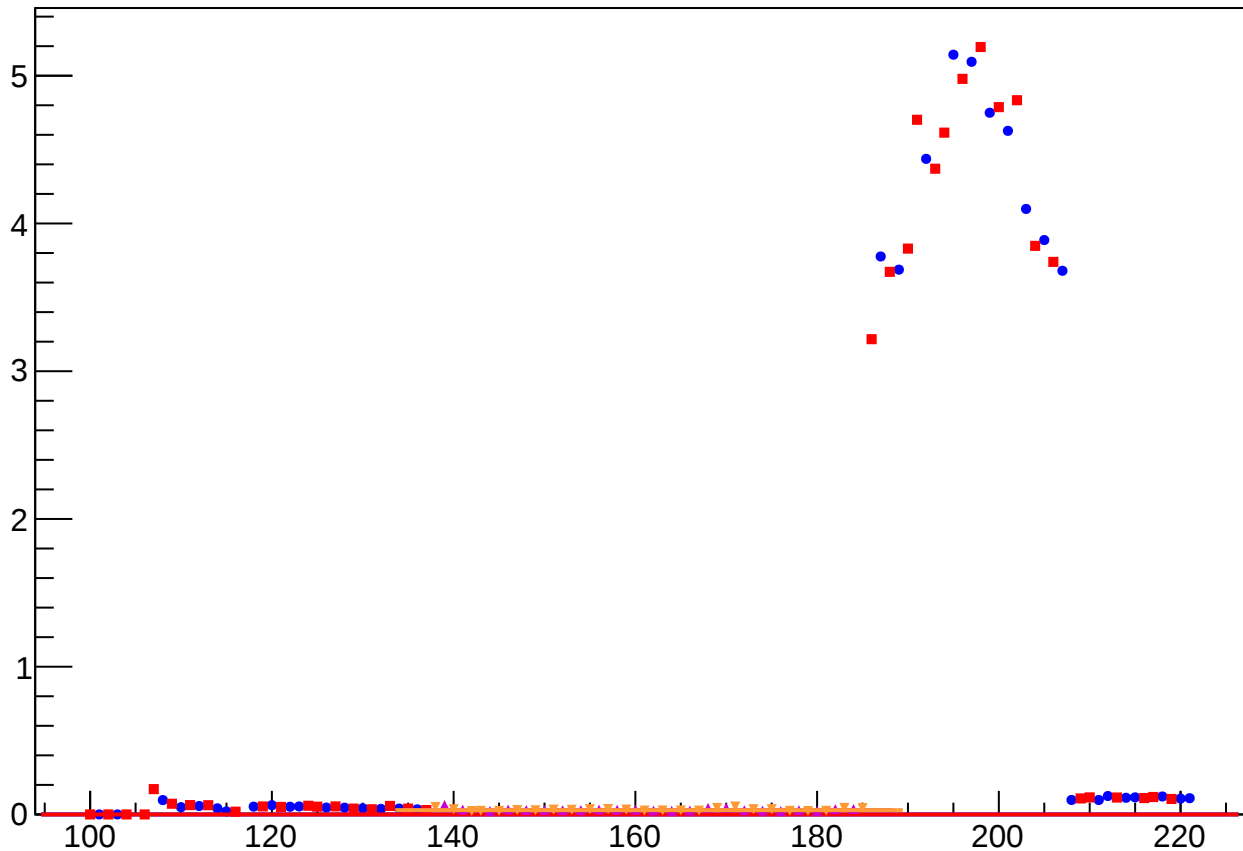
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1014290021198.6/59

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762463577182

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756627356303406.4/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 34663062.8/34

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 33479010.5/36

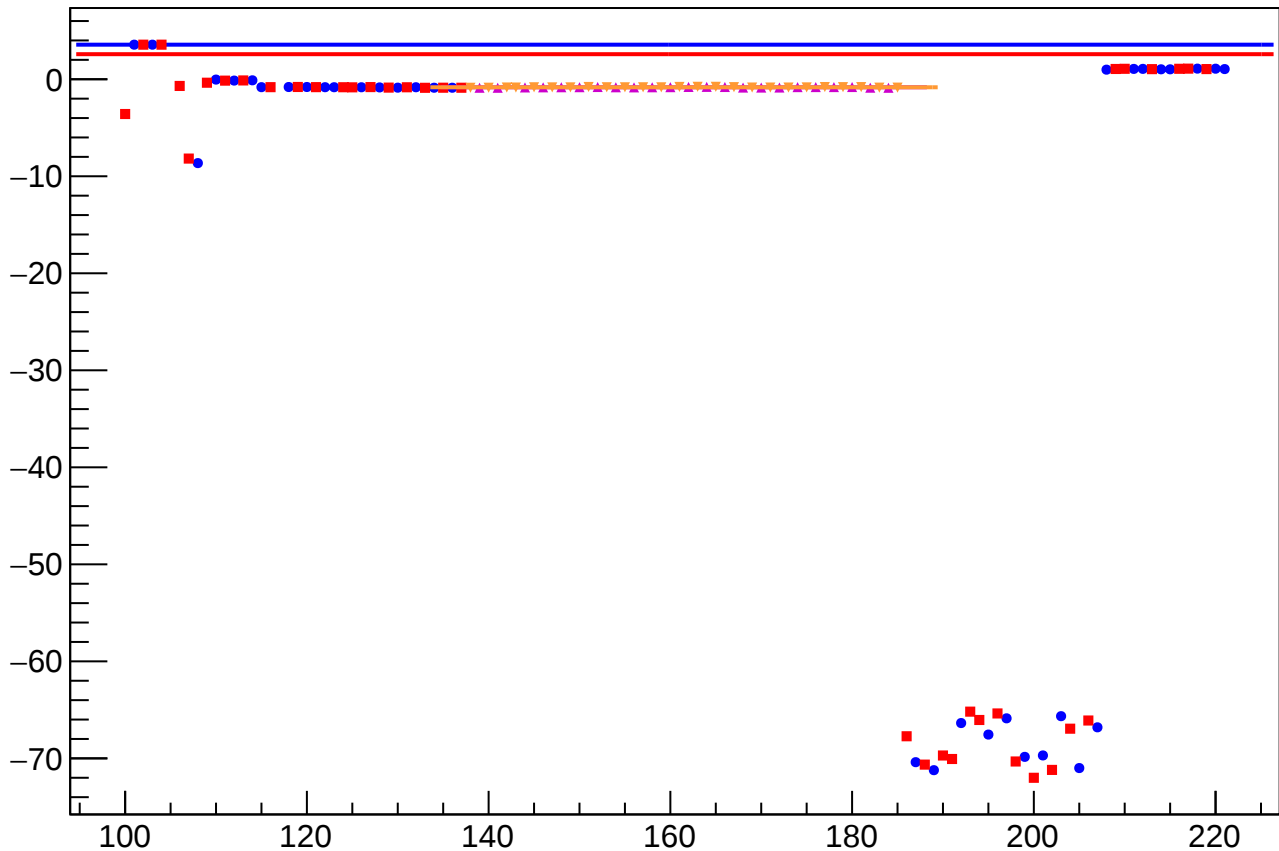
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 64533066.7/59

All: 0.000+/-0.000 χ^2/NDF : 125977754.0/119

- sign 0.000+/-0.000 χ^2/NDF : 61443874.3/59

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 615357004001.1/34

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

+ sign 3.560+/-0.000 χ^2/NDF : 4297234910762.9/59

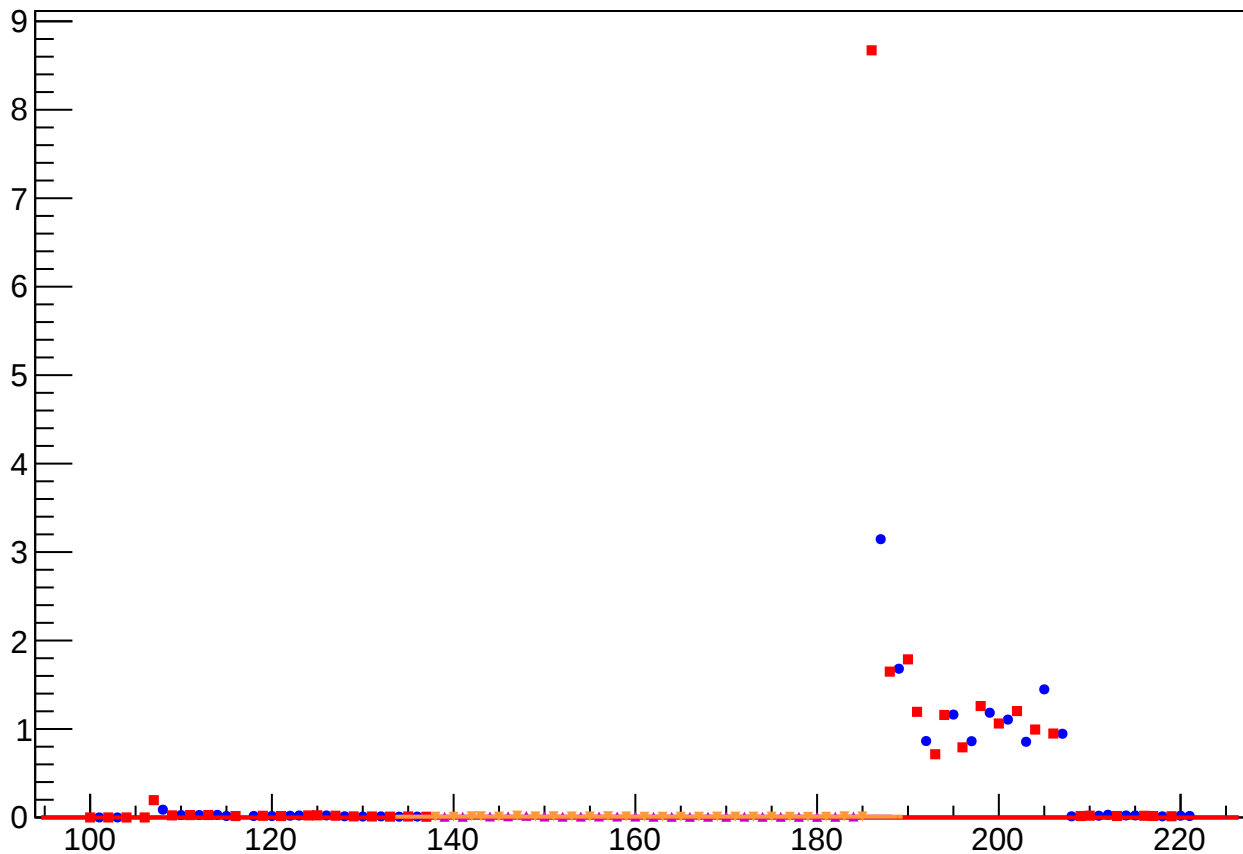
Right Out: 2.583+/-0.000 χ^2/NDF : 1253568542000589.8/36

All: 3.037+/-0.000 χ^2/NDF : 13881264809522

Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

- sign 2.581+/-0.000 χ^2/NDF : 1255768490709192.5

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 31492272.3/34

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 31060939.3/36

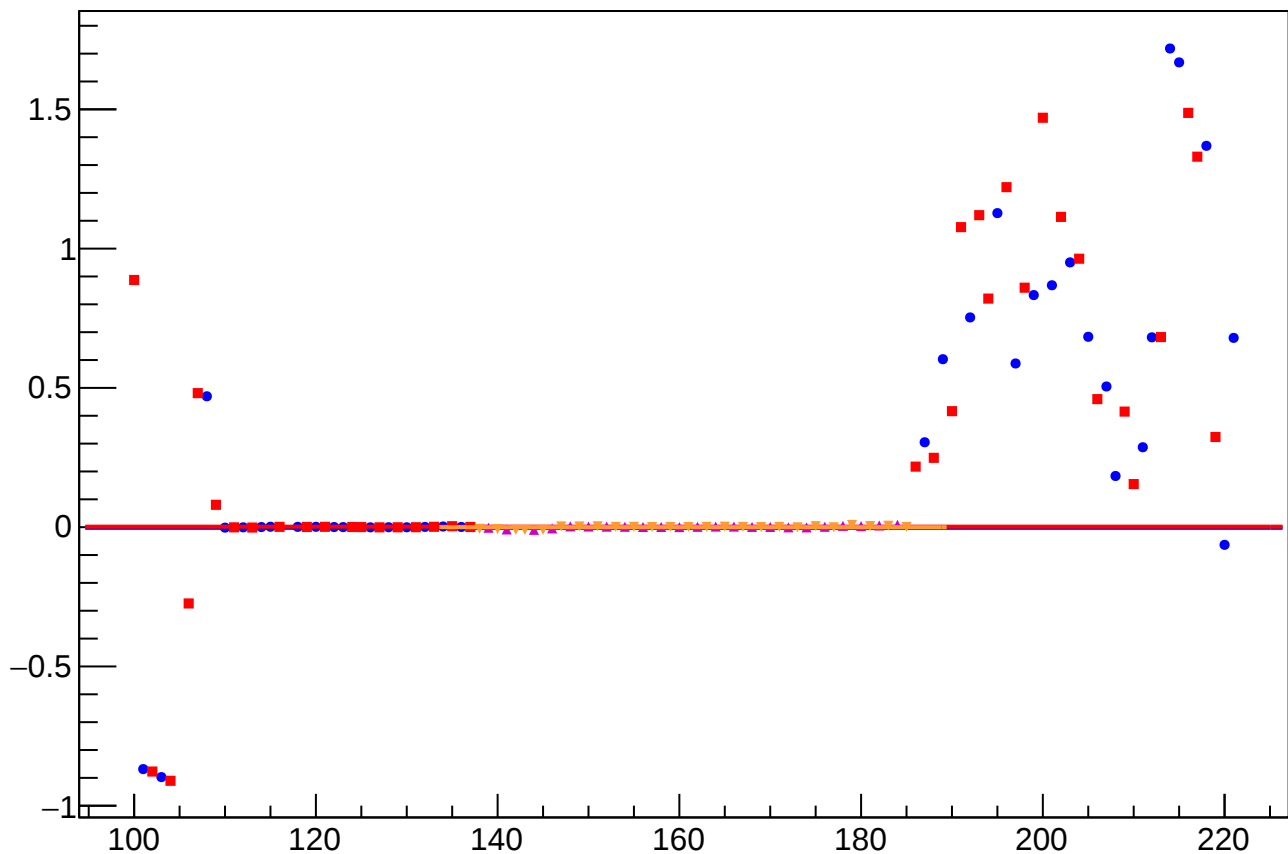
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 62893478.5/59

All: 0.000+/-0.000 χ^2/NDF : 123495753.2/119

- sign 0.000+/-0.000 χ^2/NDF : 60600840.1/59

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9798090609.9/34

Left Out: -0.000 ± 0.000 χ^2/NDF : 151482851.1/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3044234546.8/36

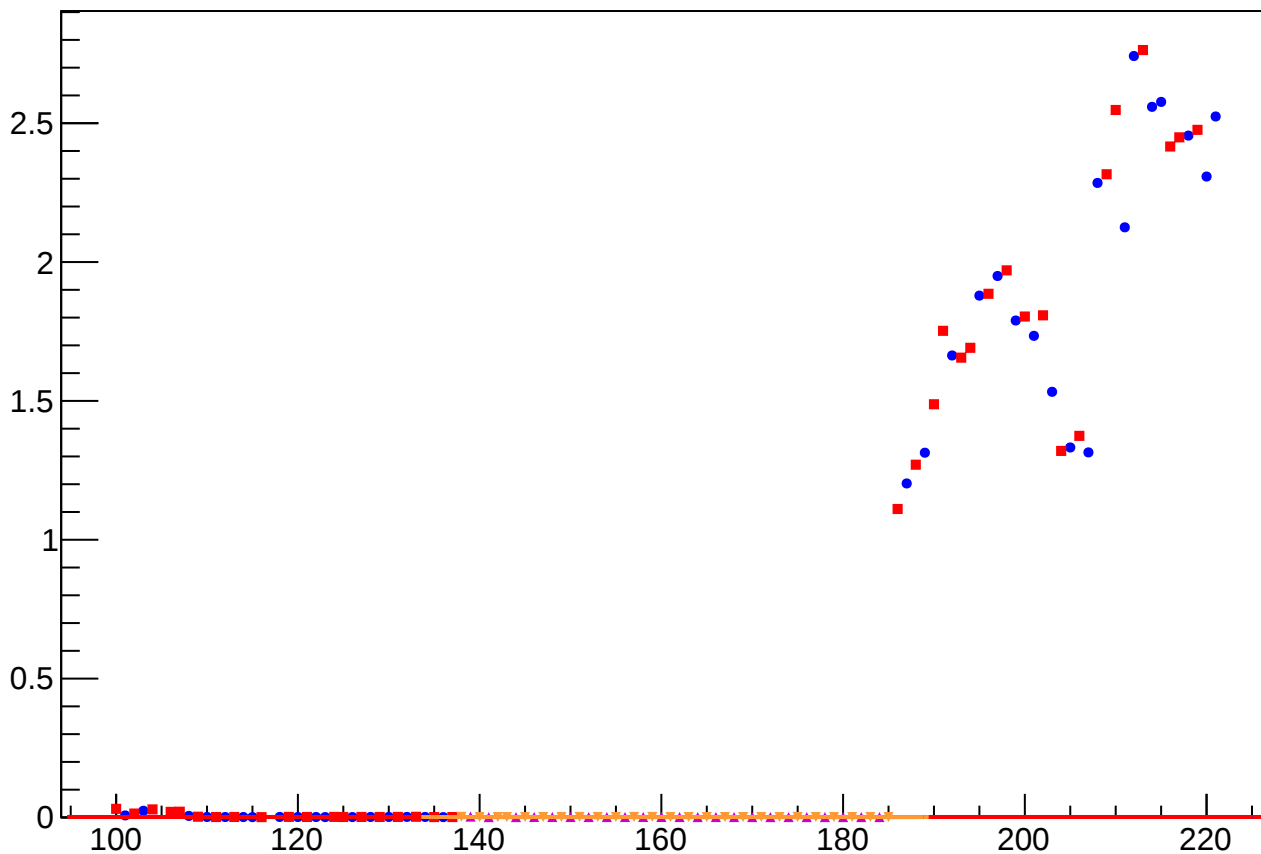
Left In: 0.001 ± 0.000 χ^2/NDF : 101439617.3/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9956102401.2/59

All: 0.000 ± 0.000 χ^2/NDF : 13111327171.4/131

- sign 0.001 ± 0.000 χ^2/NDF : 3147643691.5/59

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 27566077.9/34

Left Out: 0.001+/-0.000 χ^2/NDF :539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 27127696.3/36

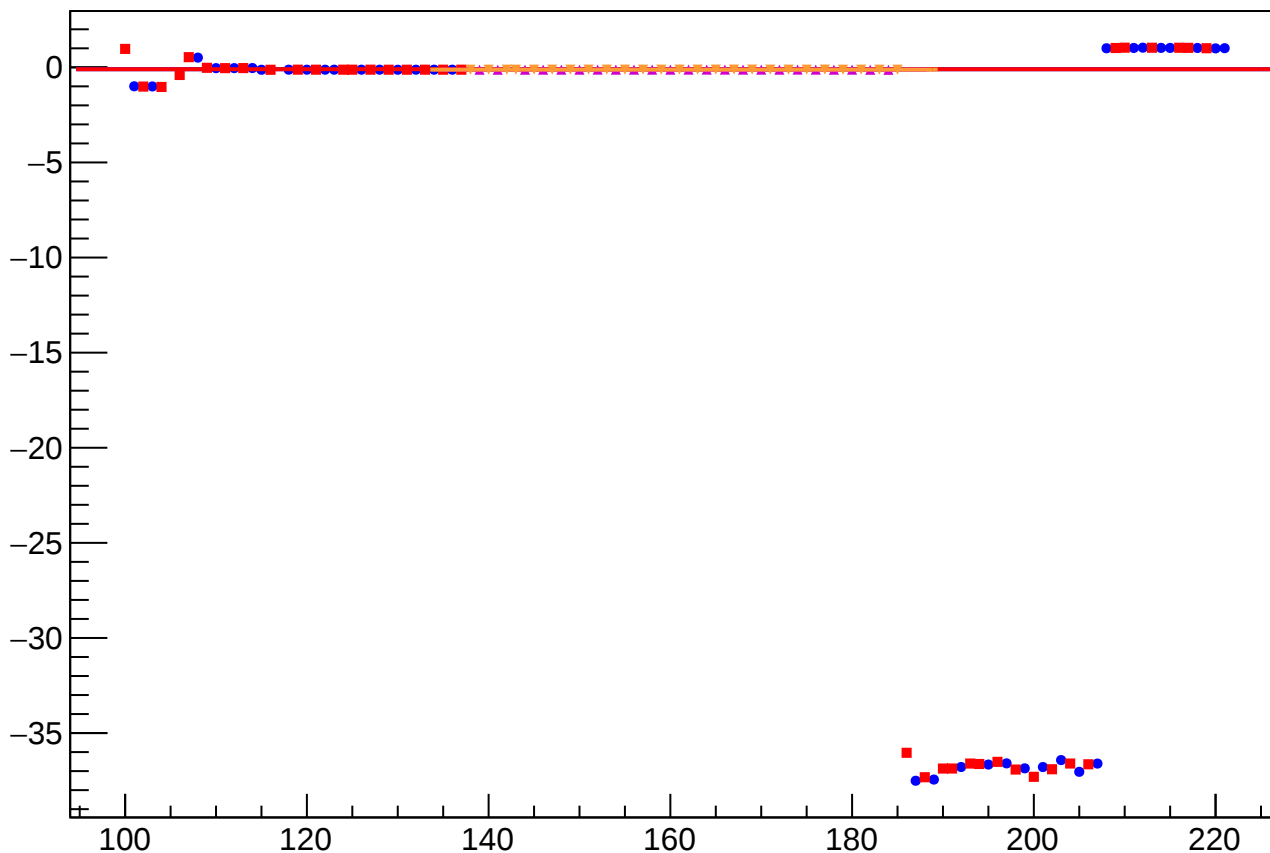
Left In: 0.001+/-0.000 χ^2/NDF :626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 28179631.9/59

All: 0.002+/-0.000 χ^2/NDF : 56054018.0/119

- sign 0.002+/-0.000 χ^2/NDF : 27865462.1/59

yield_cav4cY_mean vs Slug



Right In: -0.099 ± 0.000 $\chi^2/\text{NDF}: 114397147717.2/34$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58120109.3/24$

Right Out: -0.099 ± 0.000 $\chi^2/\text{NDF}: 106352518452.6/36$

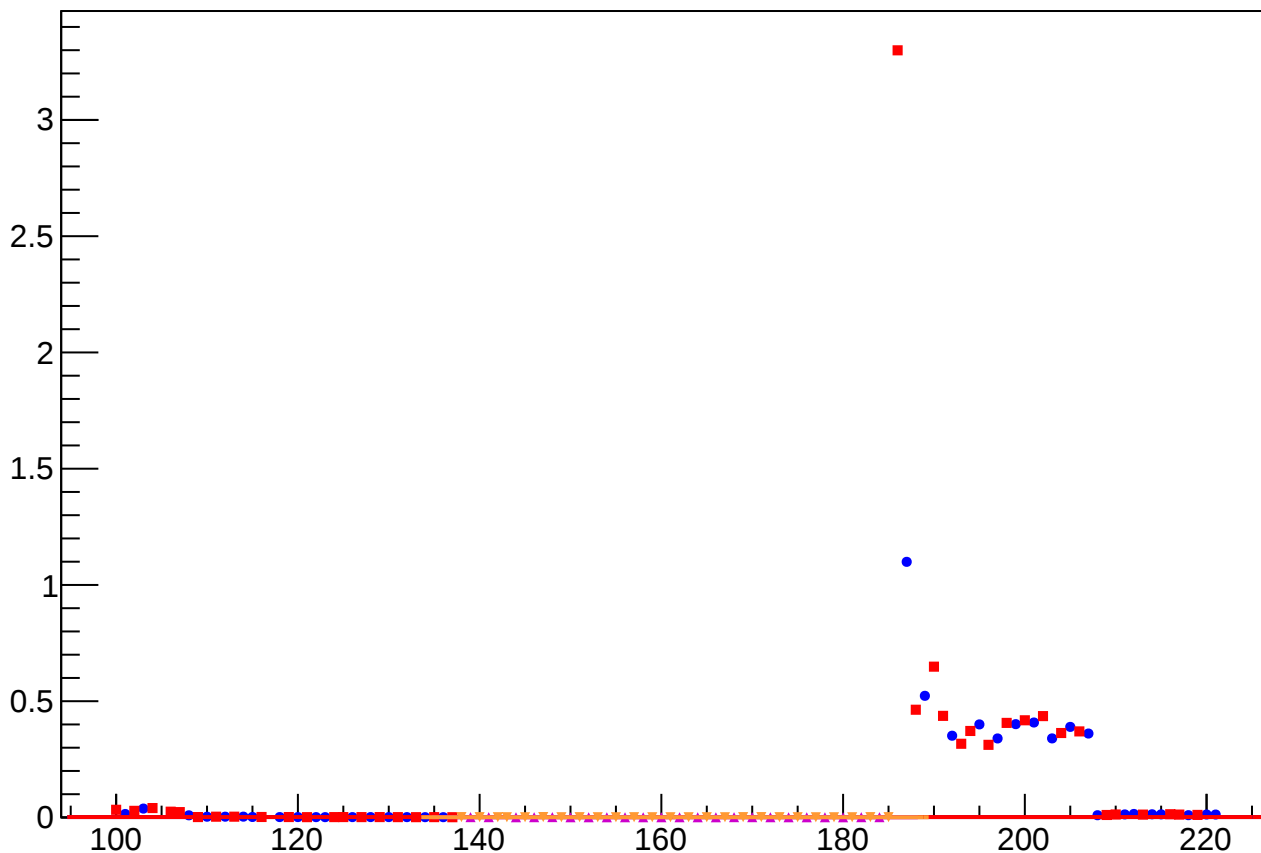
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 52113932.9/22$

+ sign -0.119 ± 0.000 $\chi^2/\text{NDF}: 115341557652.8/59$

All: -0.119 ± 0.000 $\chi^2/\text{NDF}: 222593611185.8$

- sign -0.119 ± 0.000 $\chi^2/\text{NDF}: 107251396228.6/59$

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 24706951.7/34

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1363316.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 24862143.0/36

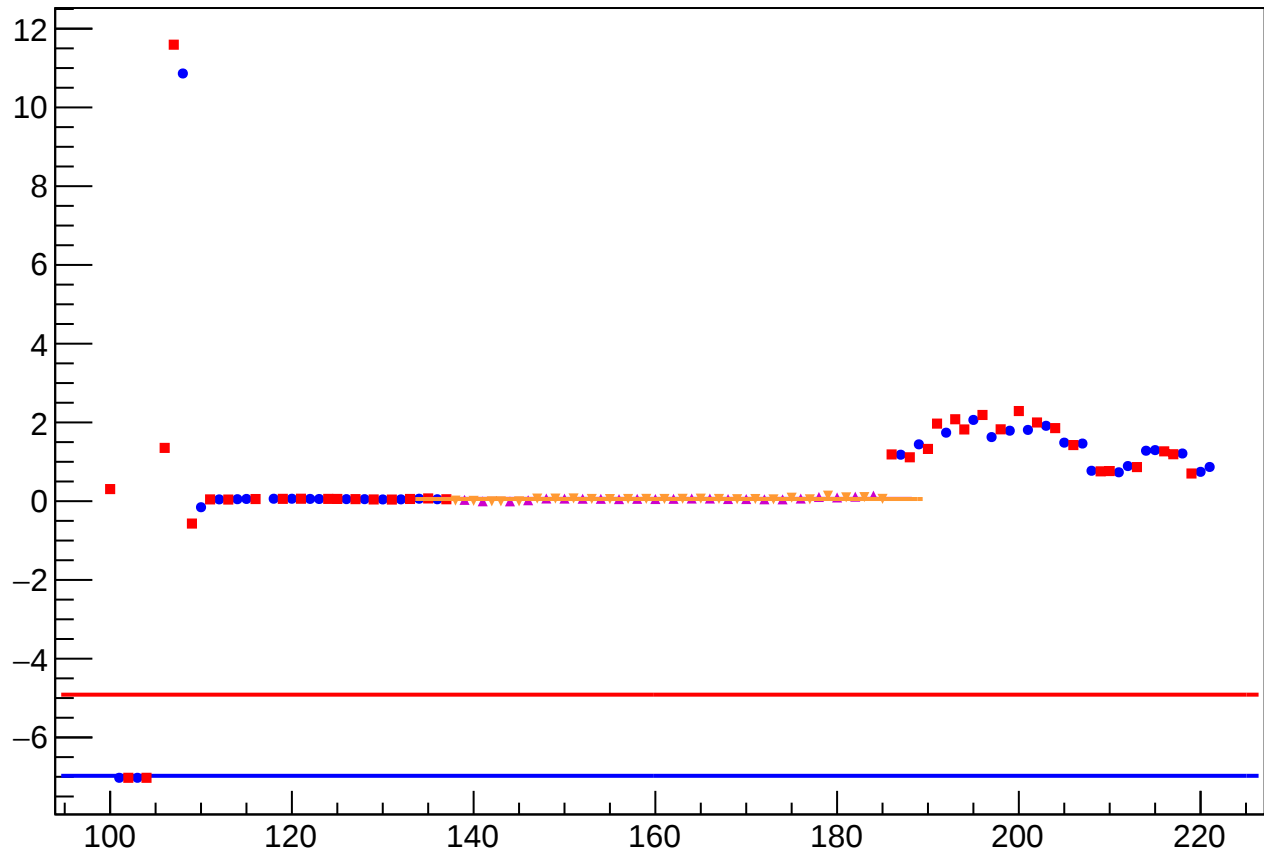
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:970801.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 28329315.3/59

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 56051408.1/119

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 27721454.6/59

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8798210752520.0/34

Left Out: 0.055 ± 0.000 χ^2/NDF : 243682351.4/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365353061829329.8/36

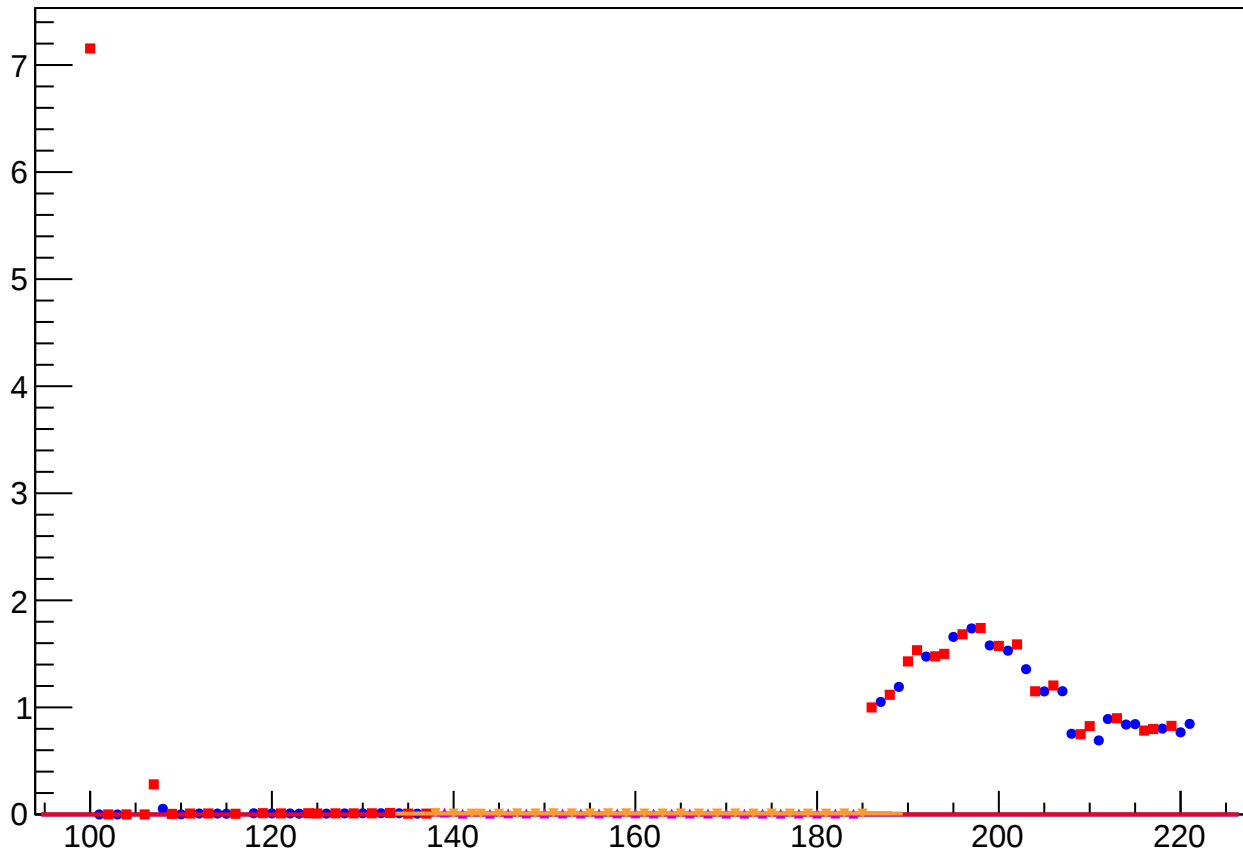
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18424514817047.7/34

All: -5.858 ± 0.000 χ^2/NDF : 4435297351566.0/34

- sign -4.882 ± 0.000 χ^2/NDF : 369732079068615.7/34

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 34021102.8/34

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 32919688.9/36

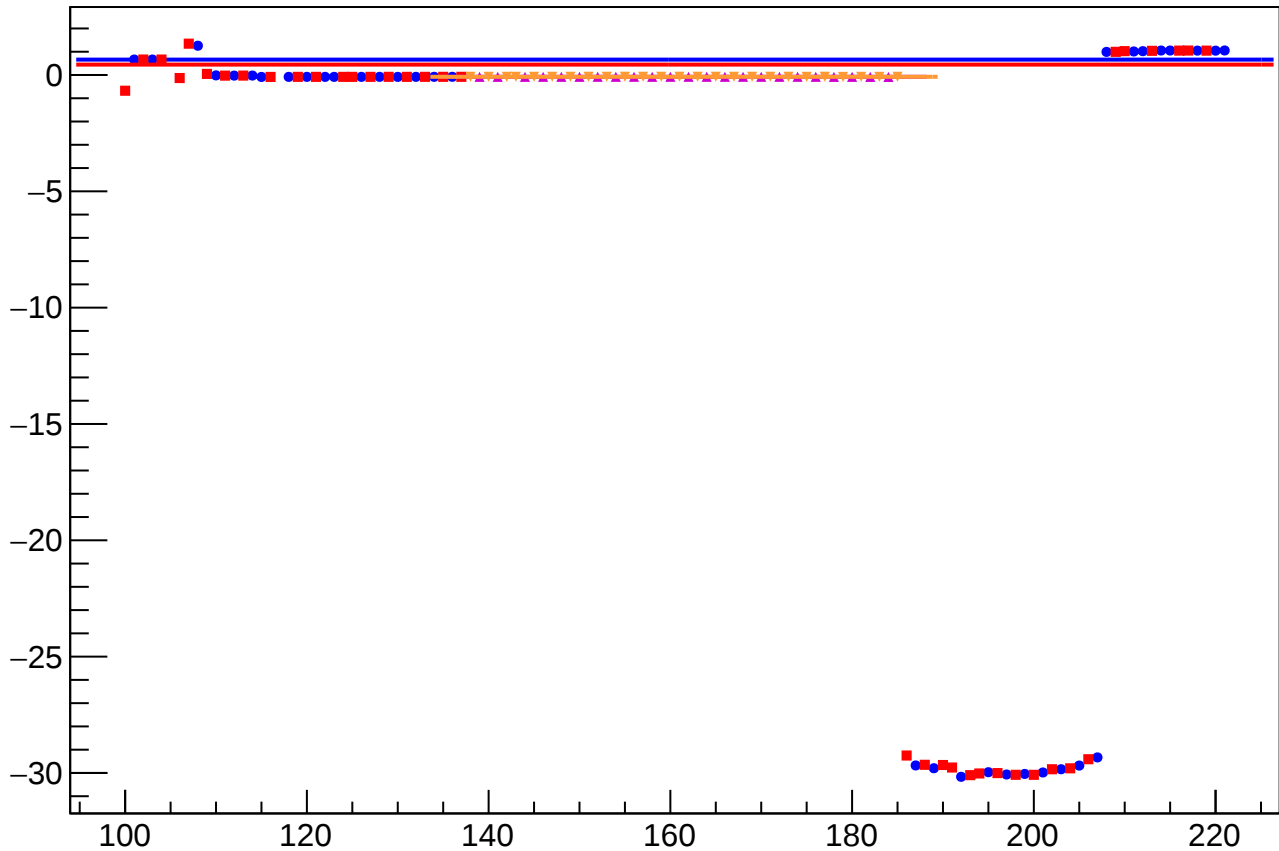
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 62920825.1/59

All: 0.000+/-0.000 χ^2/NDF : 123299941.6/119

- sign 0.000+/-0.000 χ^2/NDF : 60374228.9/59

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5723997724419.7/34

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156404795.7/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405498407383097.8/36

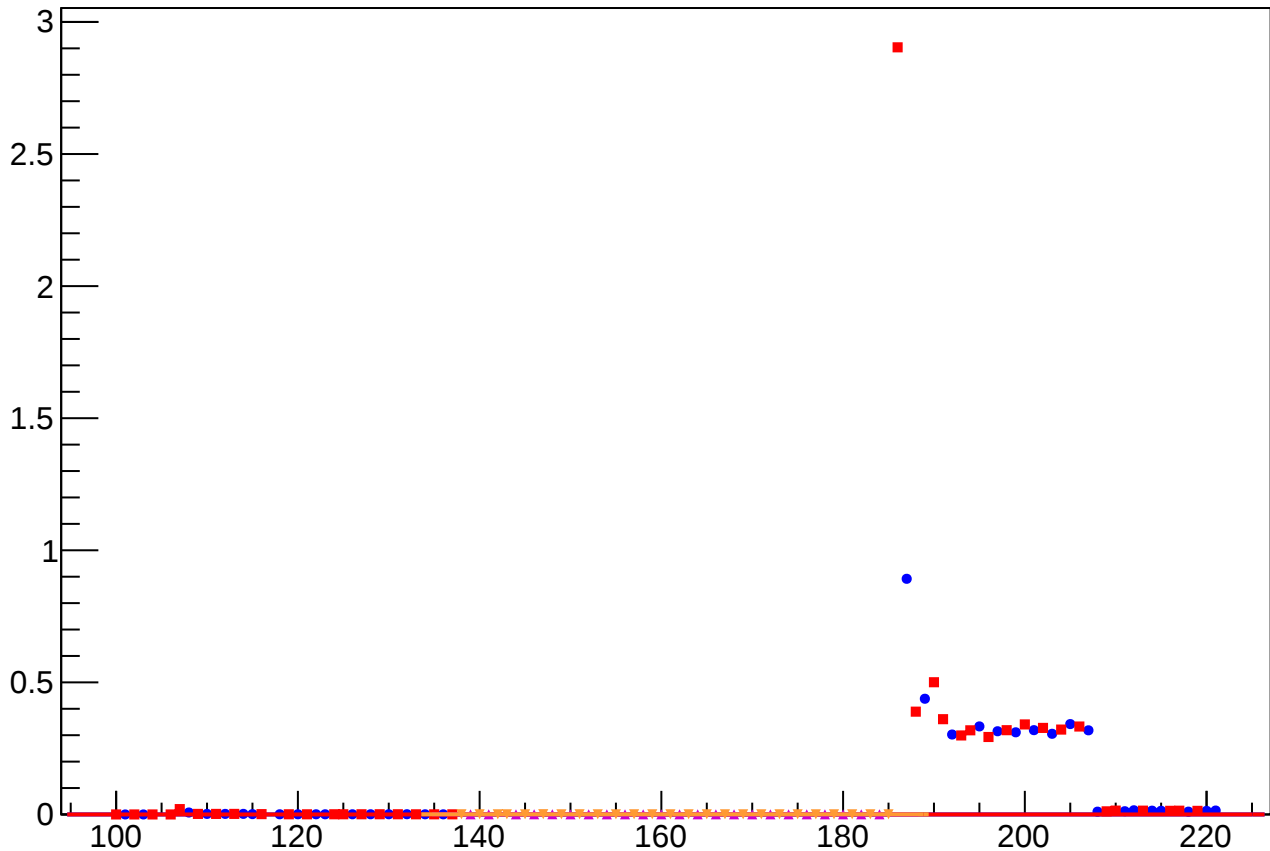
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 110762924.1/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35823171780310.8/5

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51598152291450

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419620684498655.3/5

yield_cav4dY_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 35206865.4/34

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:465981.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 33424073.6/36

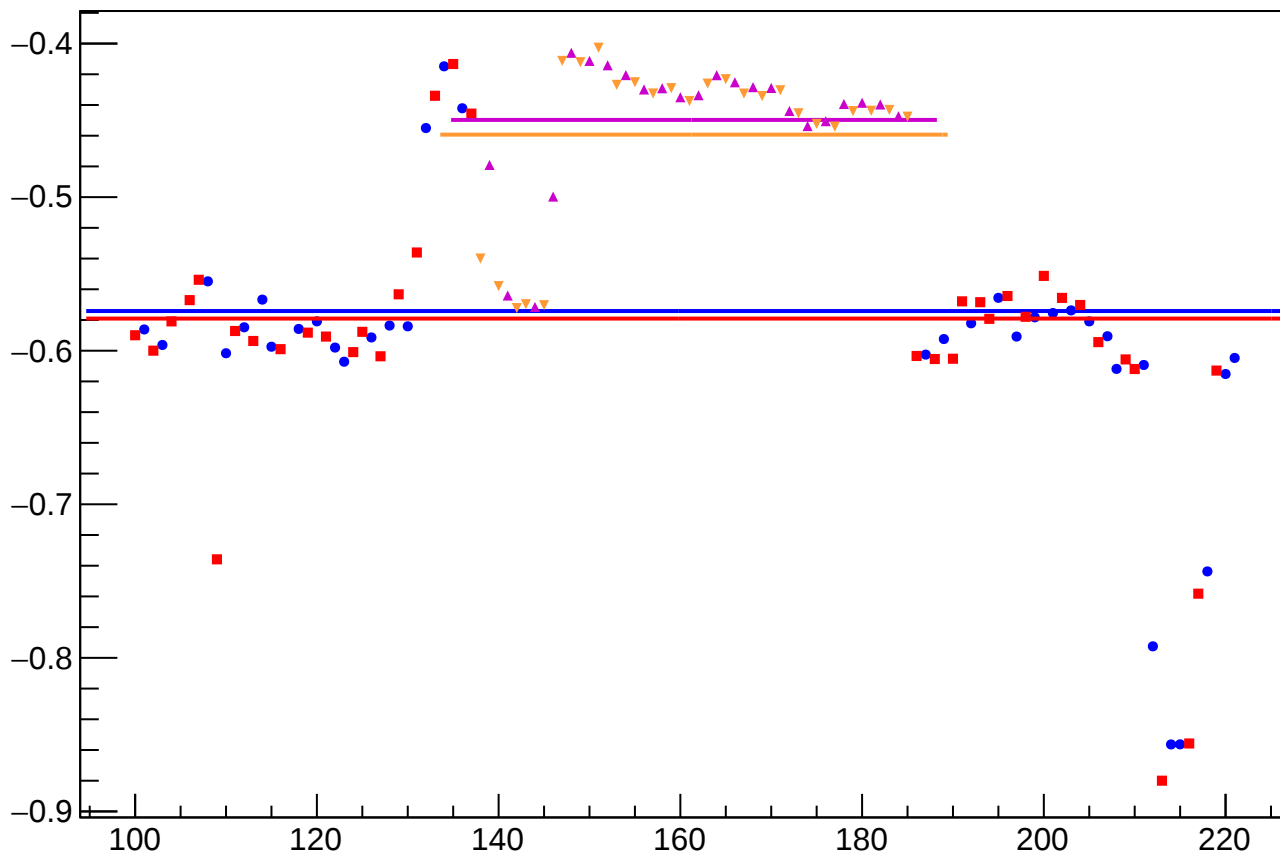
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:355509.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 67740019.3/59

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 131952828.5/119

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 64204431.0/59

yield_bpm4aX_mean vs Slug



Right In: -0.574 ± 0.000 $\chi^2/\text{NDF}: 115340938.5/34$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 113602161.0/24$

Right Out: -0.579 ± 0.000 $\chi^2/\text{NDF}: 120116739.0/36$

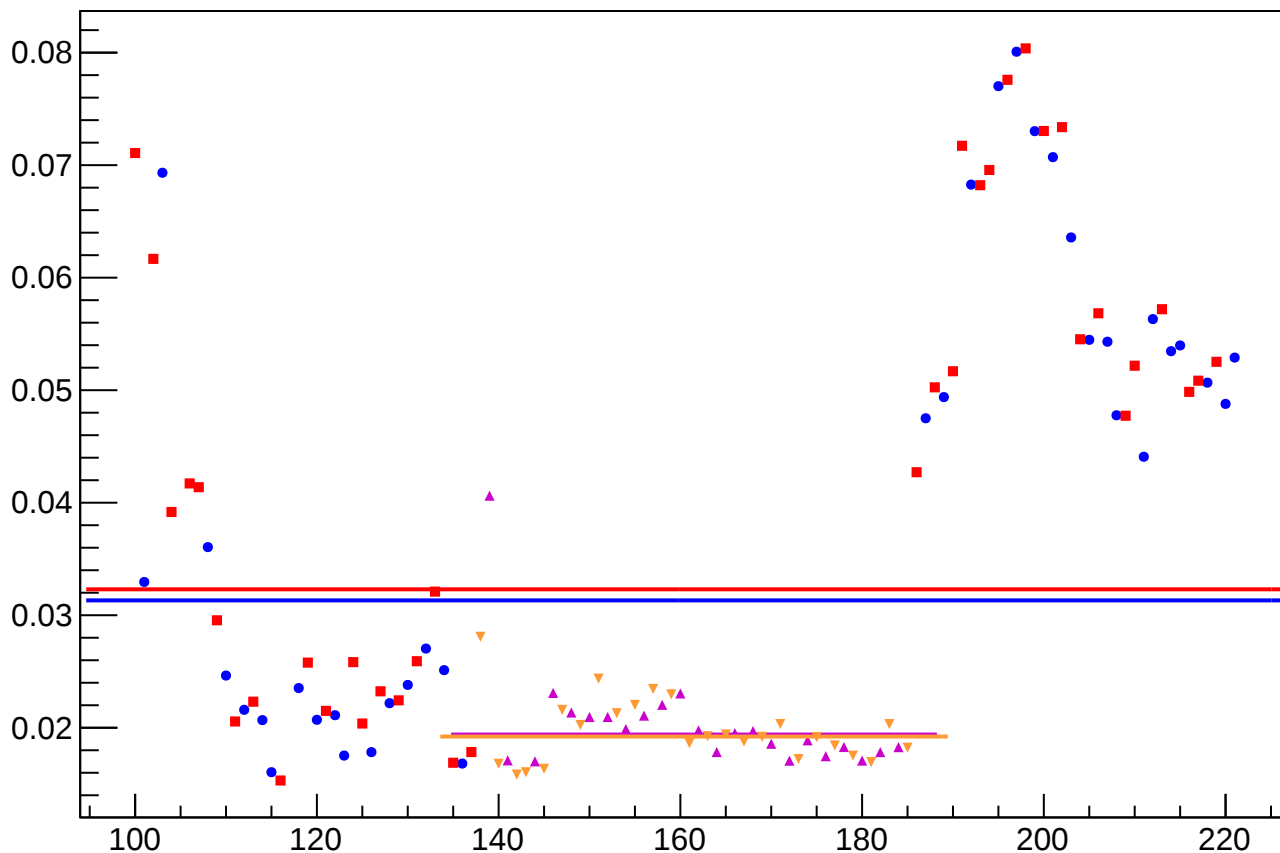
Left In: -0.450 ± 0.000 $\chi^2/\text{NDF}: 76117957.8/22$

+ sign -0.490 ± 0.000 $\chi^2/\text{NDF}: 369845111.8/59$

All: -0.487 ± 0.000 $\chi^2/\text{NDF}: 732271324.4/11$

- sign -0.484 ± 0.000 $\chi^2/\text{NDF}: 361582118.0/59$

yield_bpm4aX_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 8303150.2/34

Left Out: 0.019+/-0.000 χ^2/NDF : 501711.6/24

Right Out: 0.032+/-0.000 χ^2/NDF : 7821173.0/36

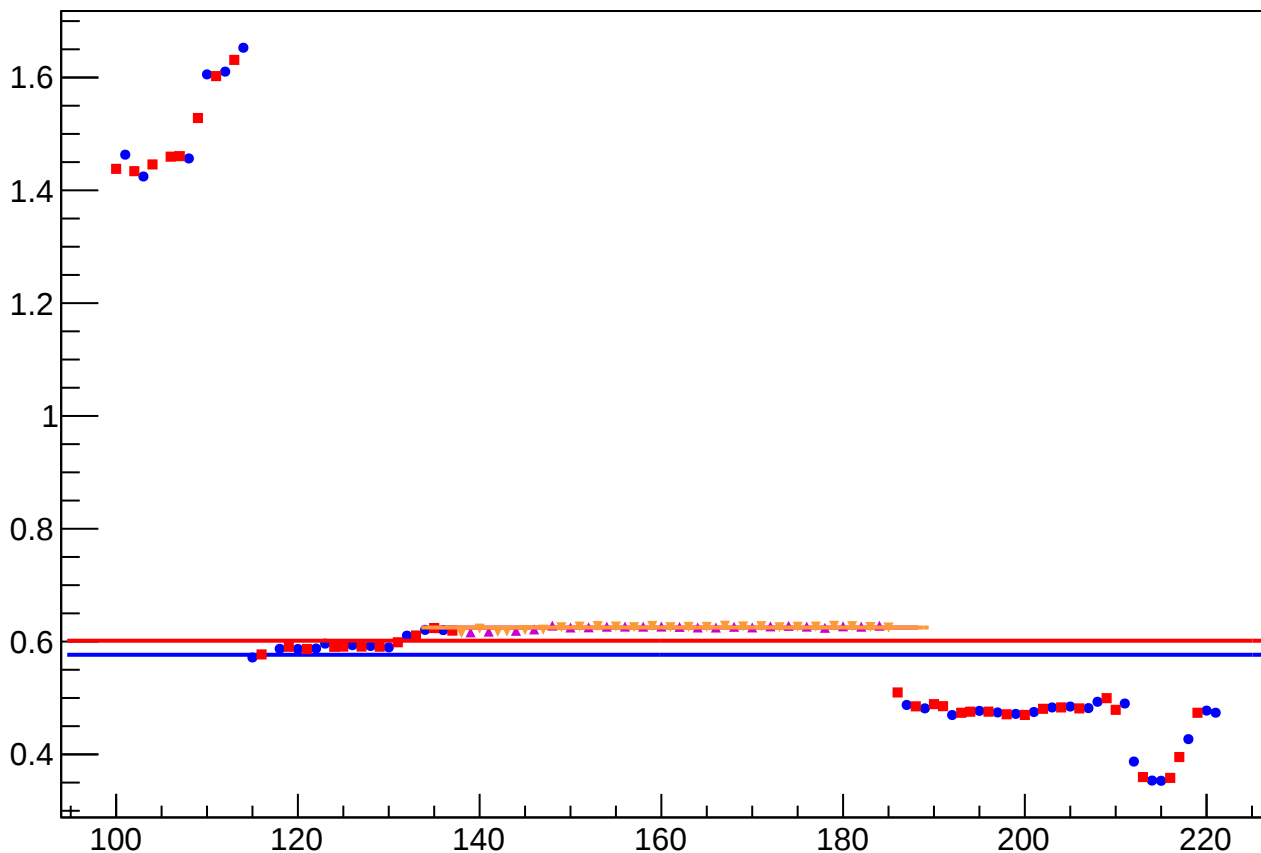
Left In: 0.019+/-0.000 χ^2/NDF : 626443.5/22

+ sign 0.022+/-0.000 χ^2/NDF : 11932266.9/59

All: 0.023+/-0.000 χ^2/NDF : 23681453.3/119

- sign 0.023+/-0.000 χ^2/NDF : 11740929.4/59

yield_bpm4aY_mean vs Slug



Right In: 0.577 $\pm$ 0.000 χ^2 /NDF: 5642233339.9/34

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.602 $\pm$ 0.000 χ^2 /NDF: 6625391227.3/36

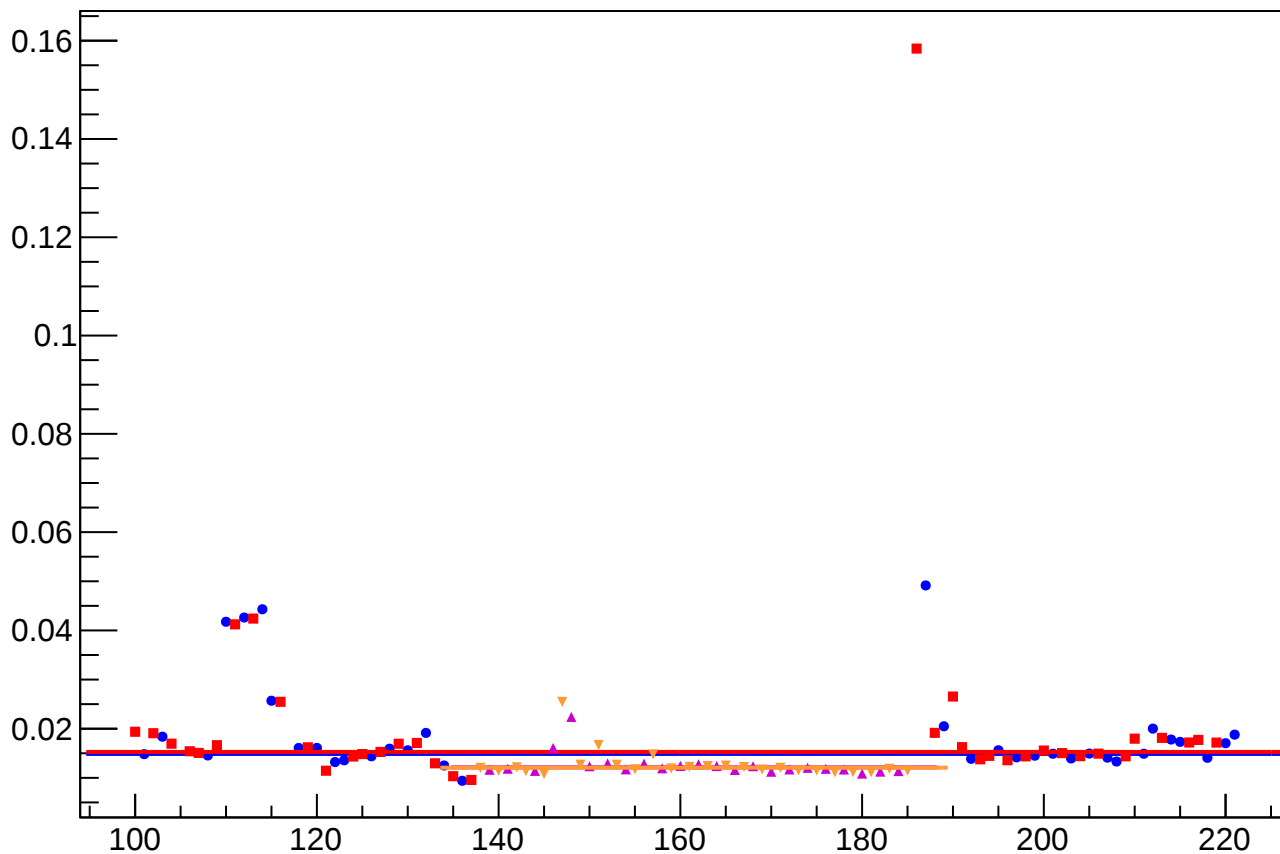
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.605 $\pm$ 0.000 χ^2 /NDF: 5757367709.2/59

All: 0.610 $\pm$ 0.000 χ^2 /NDF: 12418291067.4/1

- sign 0.616 $\pm$ 0.000 χ^2 /NDF: 6650989595.0/59

yield_bpm4aY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1954980.3/34

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2234188.2/36

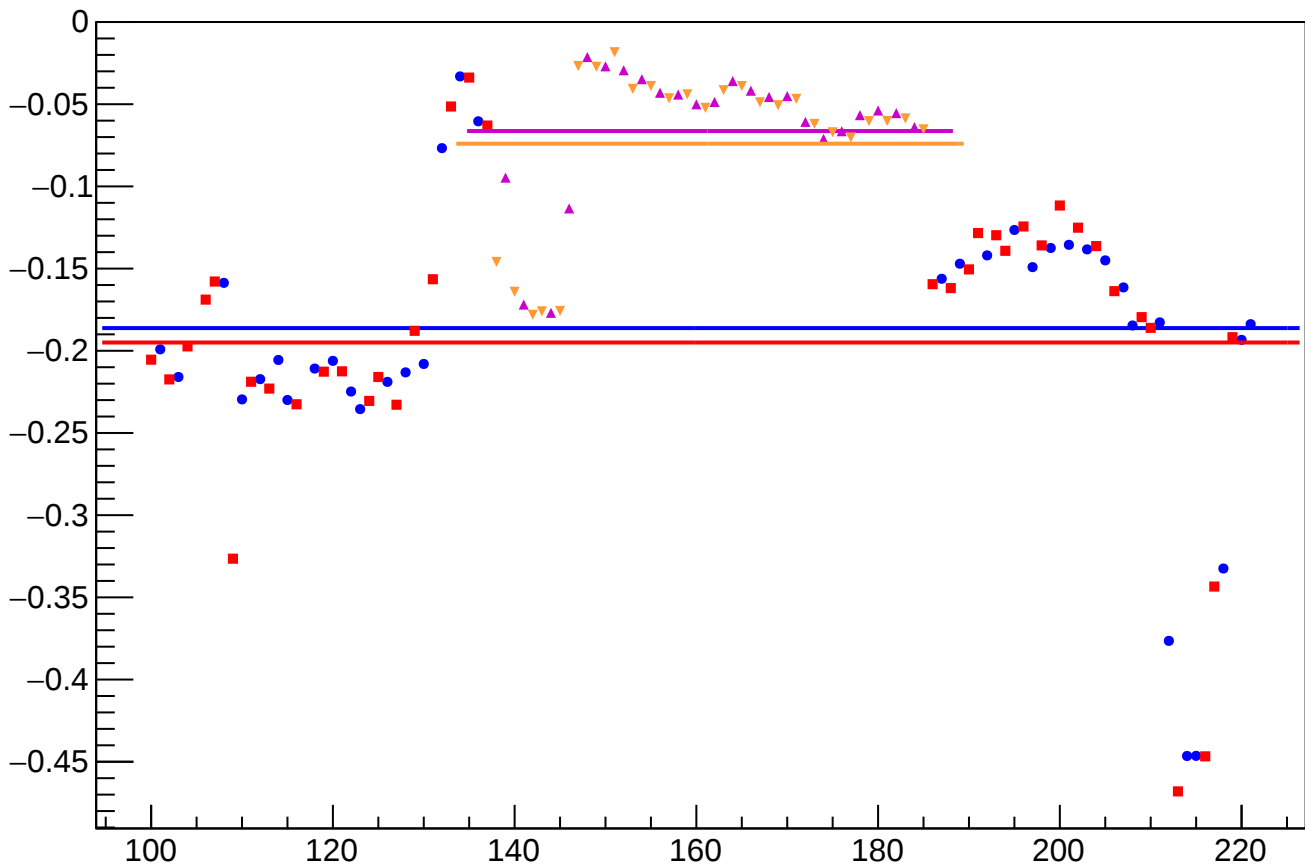
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3375854.0/59

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6996201.1/119

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3613387.2/59

yield_bpm4eX_mean vs Slug



Right In: -0.186+/-0.000 χ^2/NDF : 127720527.3/34

Left Out: -0.074+/-0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.195+/-0.000 χ^2/NDF : 134432015.8/36

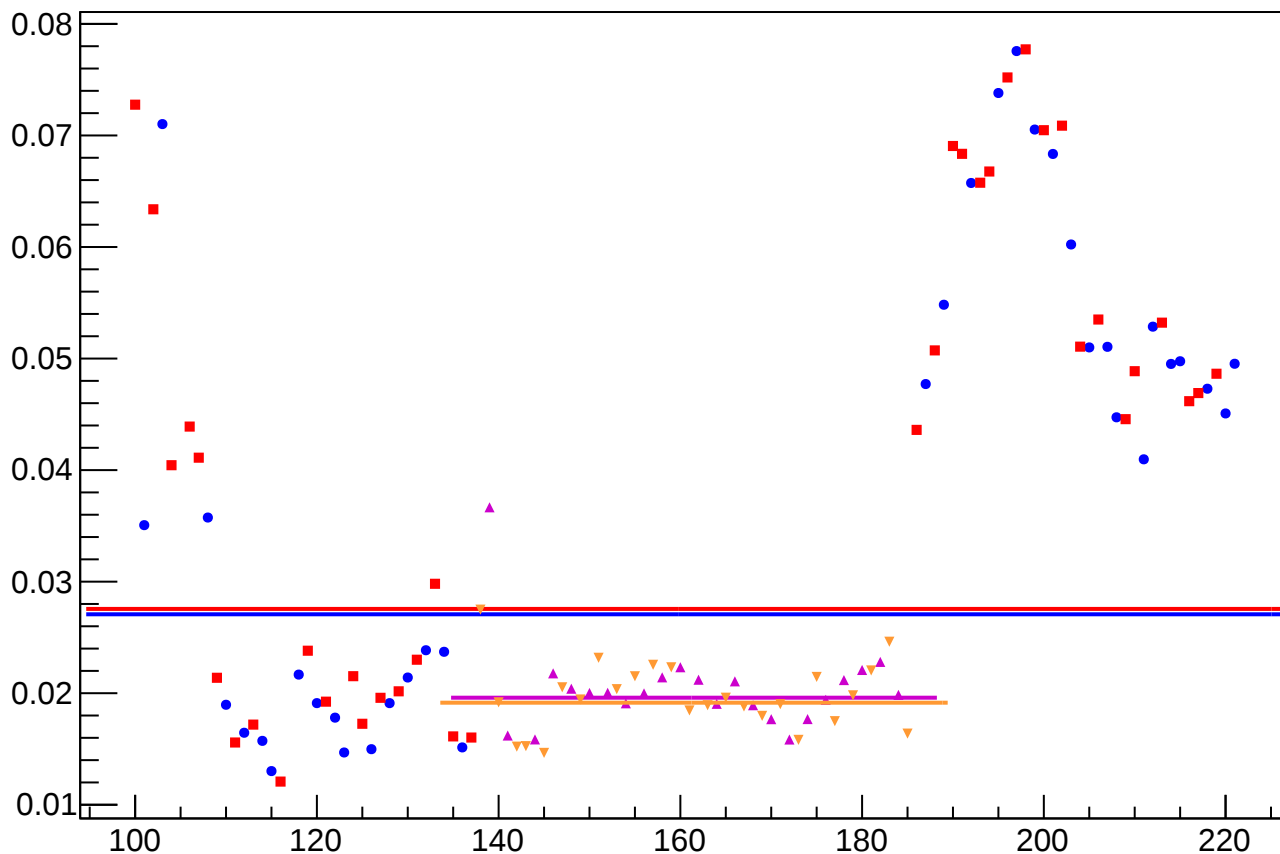
Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

+ sign -0.109+/-0.000 χ^2/NDF : 395889040.1/59

All: -0.108+/-0.000 χ^2/NDF : 802415801.1/11

- sign -0.107+/-0.000 χ^2/NDF : 406462760.3/59

yield_bpm4eX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 9764883.5/34

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641277.0/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9581688.9/36

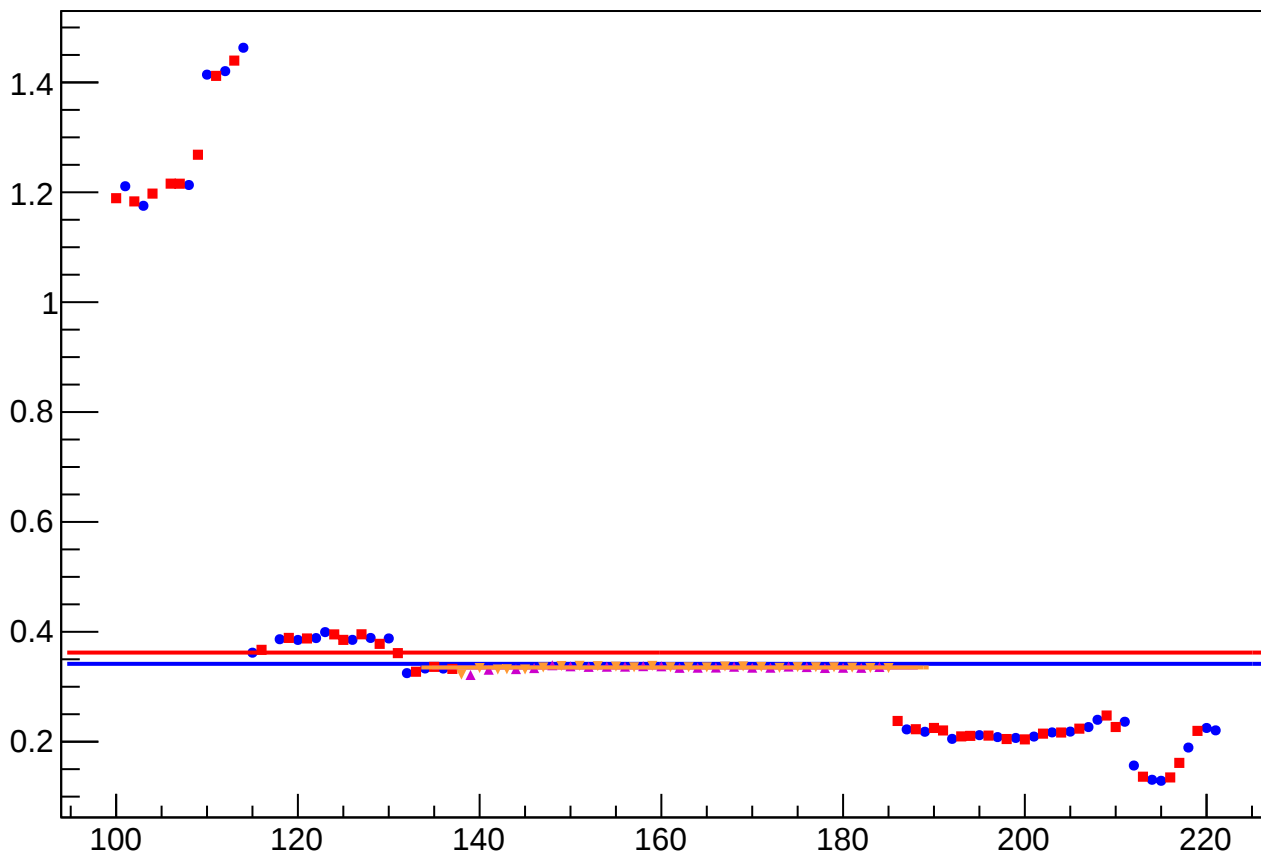
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:623148.2/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12008210.2/59

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 23727884.5/119

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11703919.4/59

yield_bpm4eY_mean vs Slug



Right In: 0.342 $\pm$ 0.000 χ^2 /NDF: 8131379959.2/34

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1154310.3/24

Right Out: 0.362 $\pm$ 0.000 χ^2 /NDF: 9132859124.2/36

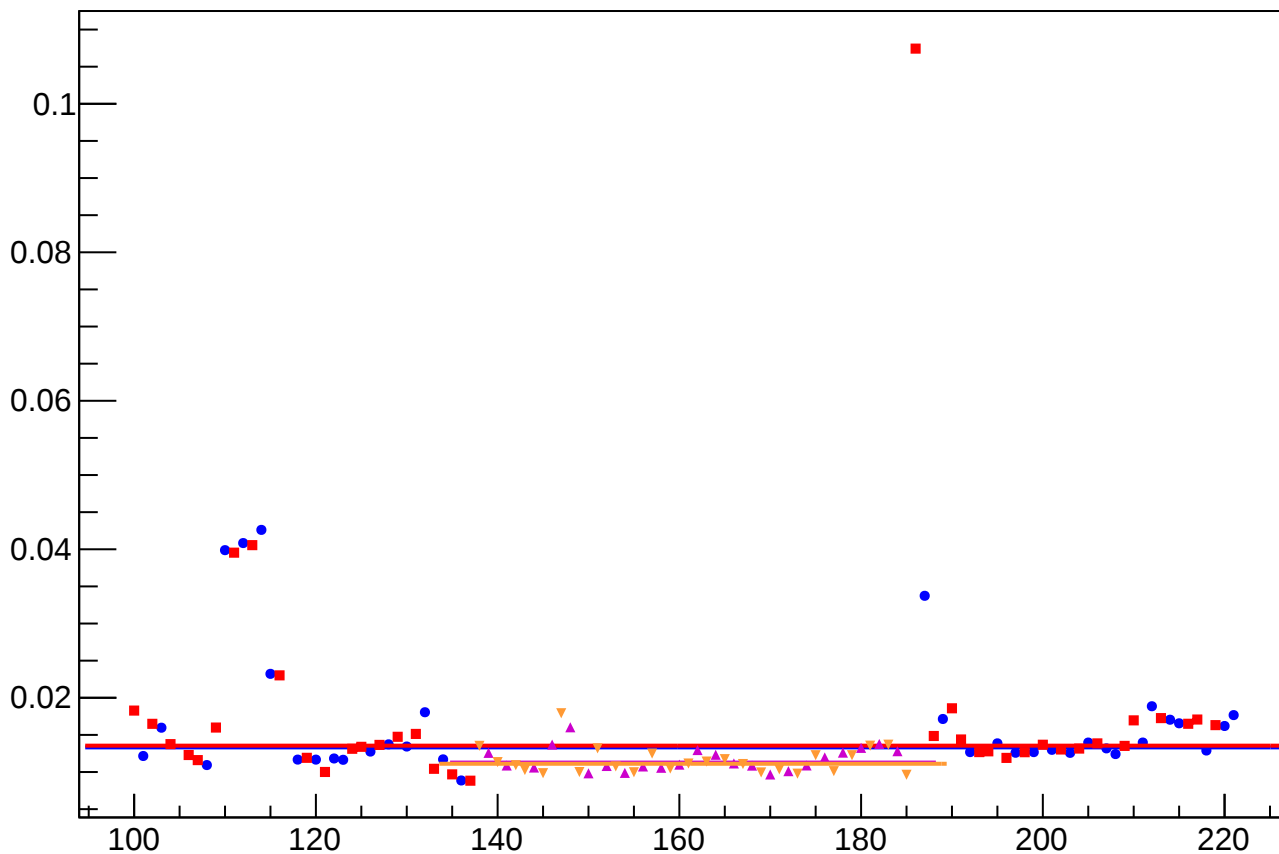
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1202194.8/22

+ sign 0.338 $\pm$ 0.000 χ^2 /NDF: 8135111112.1/59

All: 0.342 $\pm$ 0.000 χ^2 /NDF: 17318303793.6/1

- sign 0.346 $\pm$ 0.000 χ^2 /NDF: 9174516444.8/59

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 1992608.1/34

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 607532.0/24

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 2259849.5/36

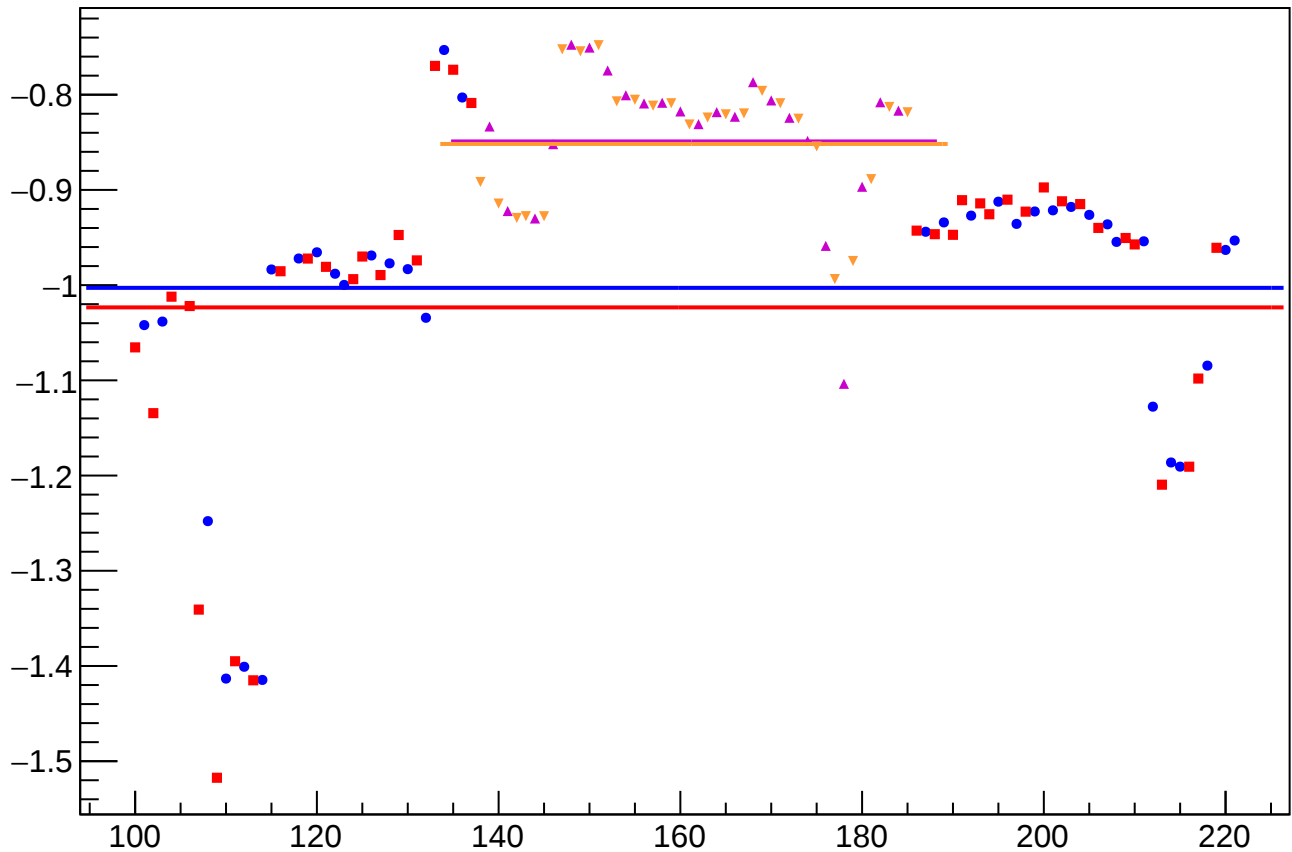
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 502455.5/22

+ sign 0.012 $\pm$ 0.000 χ^2/NDF : 3174790.3/59

All: 0.012 $\pm$ 0.000 χ^2/NDF : 6514667.8/119

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 3330535.0/59

yield_bpm4acX_mean vs Slug



Right In: -1.003 ± 0.000 $\chi^2/\text{NDF}: 430650980.5/34$

Left Out: -0.852 ± 0.000 $\chi^2/\text{NDF}: 189103962.4/24$

Right Out: -1.023 ± 0.000 $\chi^2/\text{NDF}: 579307531.4/36$

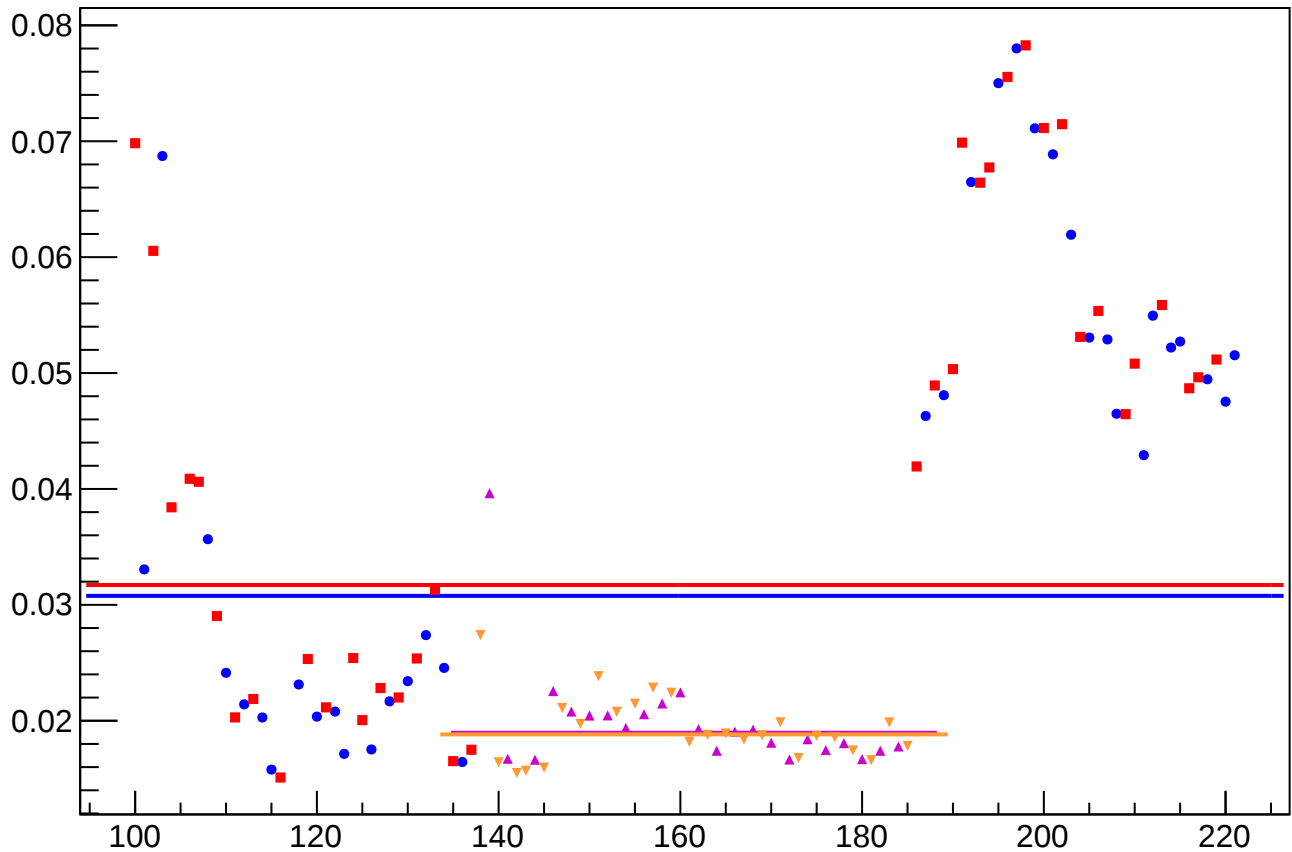
Left In: -0.849 ± 0.000 $\chi^2/\text{NDF}: 256391274.4/22$

+ sign -0.892 ± 0.000 $\chi^2/\text{NDF}: 873331840.6/59$

All: -0.894 ± 0.000 $\chi^2/\text{NDF}: 2022068935.3/1$

- sign -0.895 ± 0.000 $\chi^2/\text{NDF}: 1148404212.8/59$

yield_bpm4acX_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 8219757.6/34

Left Out: 0.019+/-0.000 χ^2/NDF : 490509.4/24

Right Out: 0.032+/-0.000 χ^2/NDF : 7729471.3/36

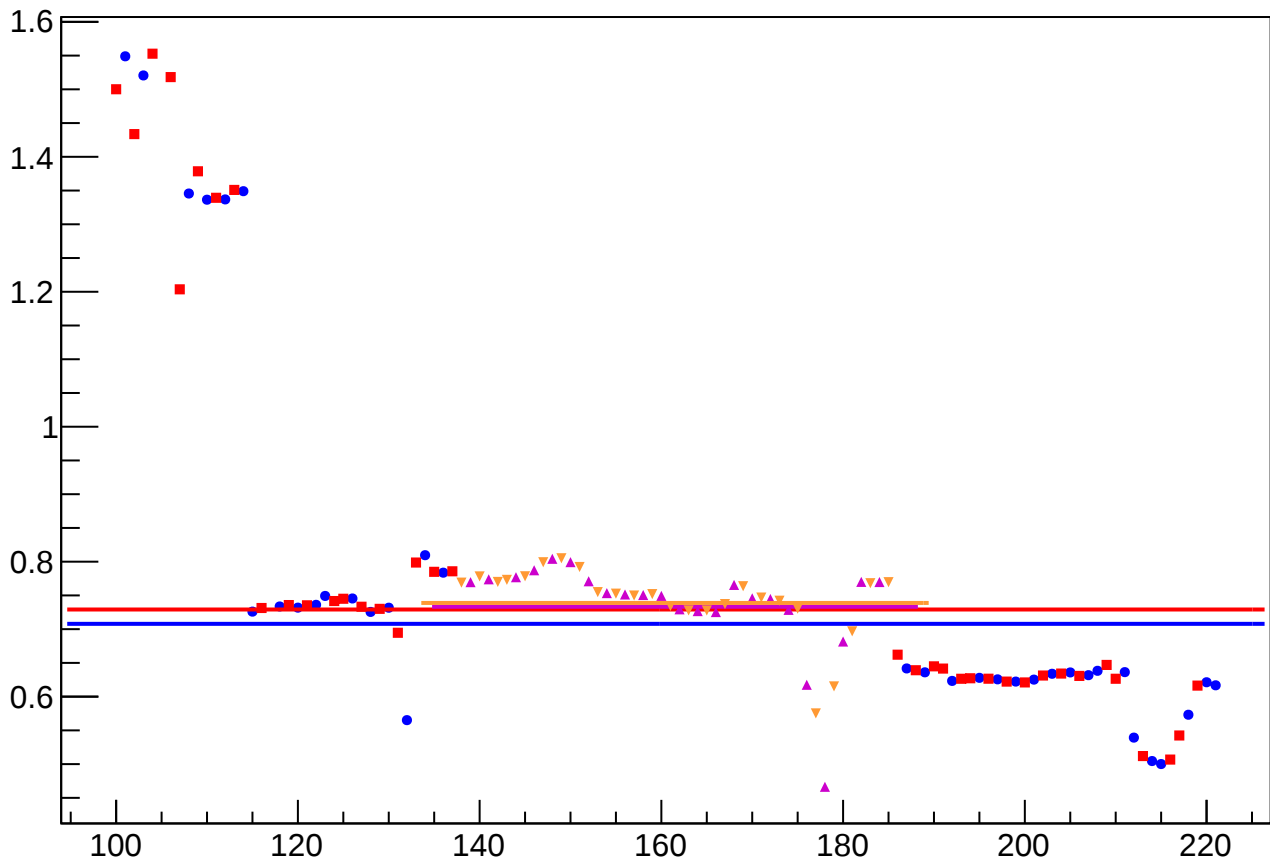
Left In: 0.019+/-0.000 χ^2/NDF : 615173.8/22

+ sign 0.022+/-0.000 χ^2/NDF : 11883911.3/59

All: 0.022+/-0.000 χ^2/NDF : 23579742.5/119

- sign 0.022+/-0.000 χ^2/NDF : 11688997.5/59

yield_bpm4acY_mean vs Slug



Right In: 0.708 $\pm$ 0.000 χ^2 /NDF: 3945119288.1/34

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

Right Out: 0.729 $\pm$ 0.000 χ^2 /NDF: 4219427503.1/36

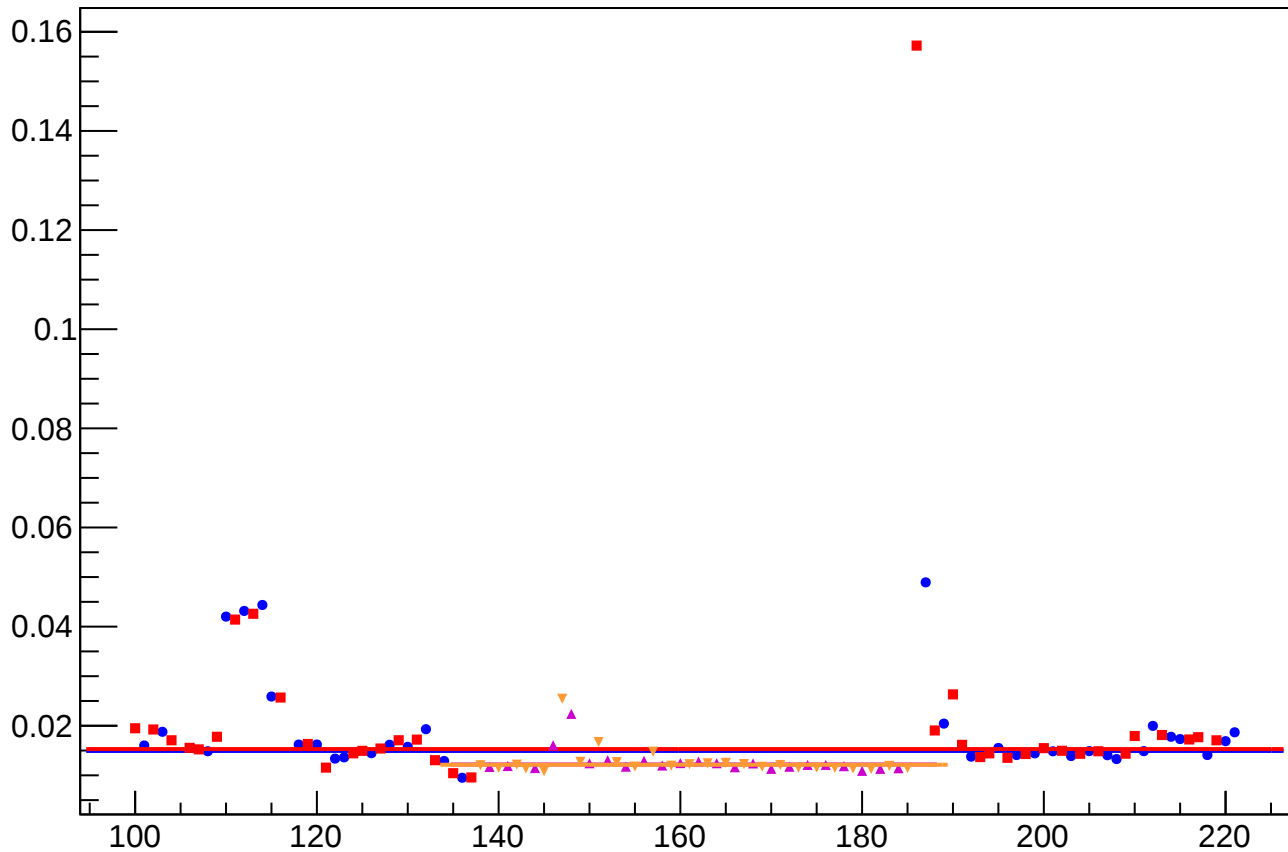
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

+ sign 0.726 $\pm$ 0.000 χ^2 /NDF: 4324391941.7/59

All: 0.729 $\pm$ 0.000 χ^2 /NDF: 9116841595.9/11

- sign 0.732 $\pm$ 0.000 χ^2 /NDF: 4789790260.1/59

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1939261.6/34

Left Out: 0.012+/-0.000 χ^2/NDF : 637986.2/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2232824.3/36

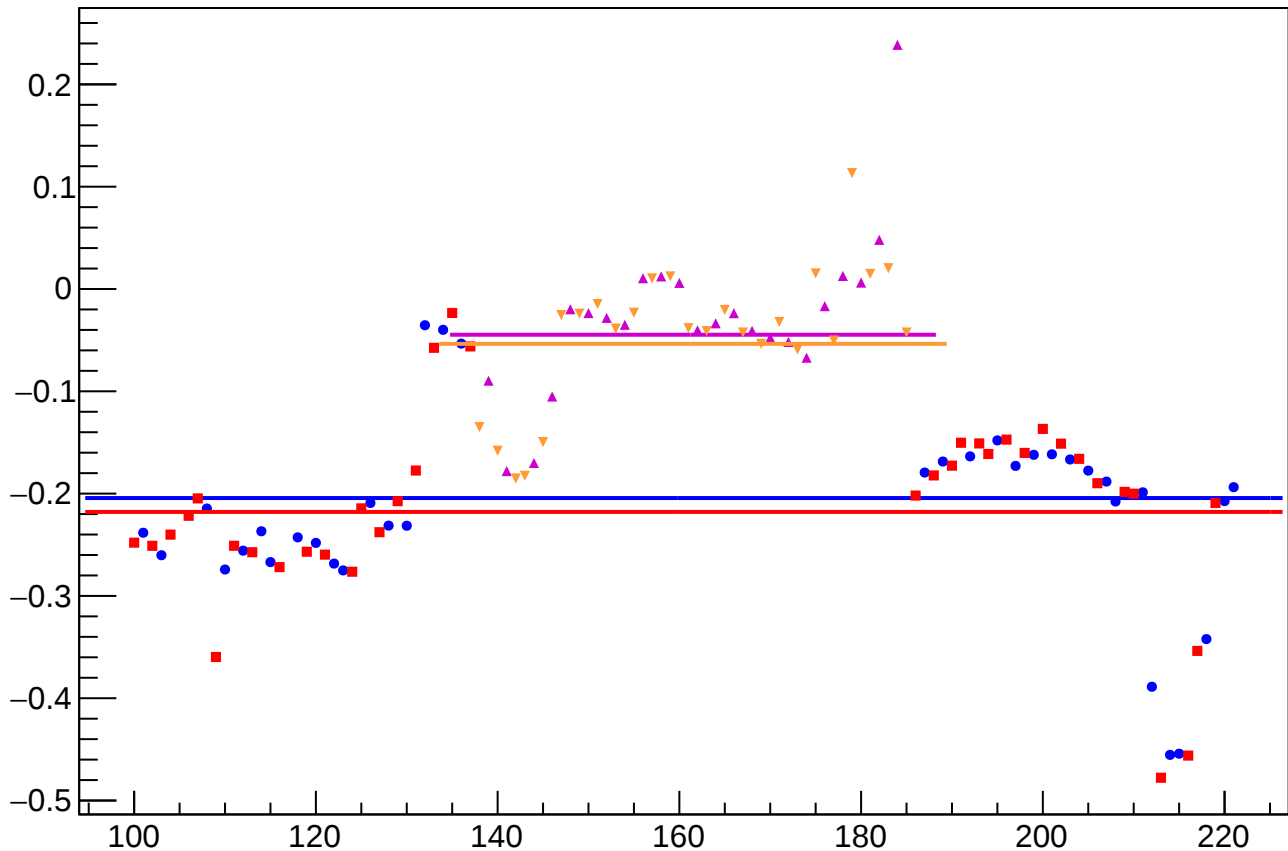
Left In: 0.012+/-0.000 χ^2/NDF : 481830.1/22

+ sign 0.013+/-0.000 χ^2/NDF : 3323980.6/59

All: 0.013+/-0.000 χ^2/NDF : 6910006.2/119

- sign 0.013+/-0.000 χ^2/NDF : 3580486.8/59

yield_bpm4ecX_mean vs Slug



Right In: -0.204+/-0.000 χ^2/NDF : 160452168.4/34

Left Out: -0.054+/-0.000 χ^2/NDF : 167834173.6/24

Right Out: -0.218+/-0.000 χ^2/NDF : 156272040.9/36

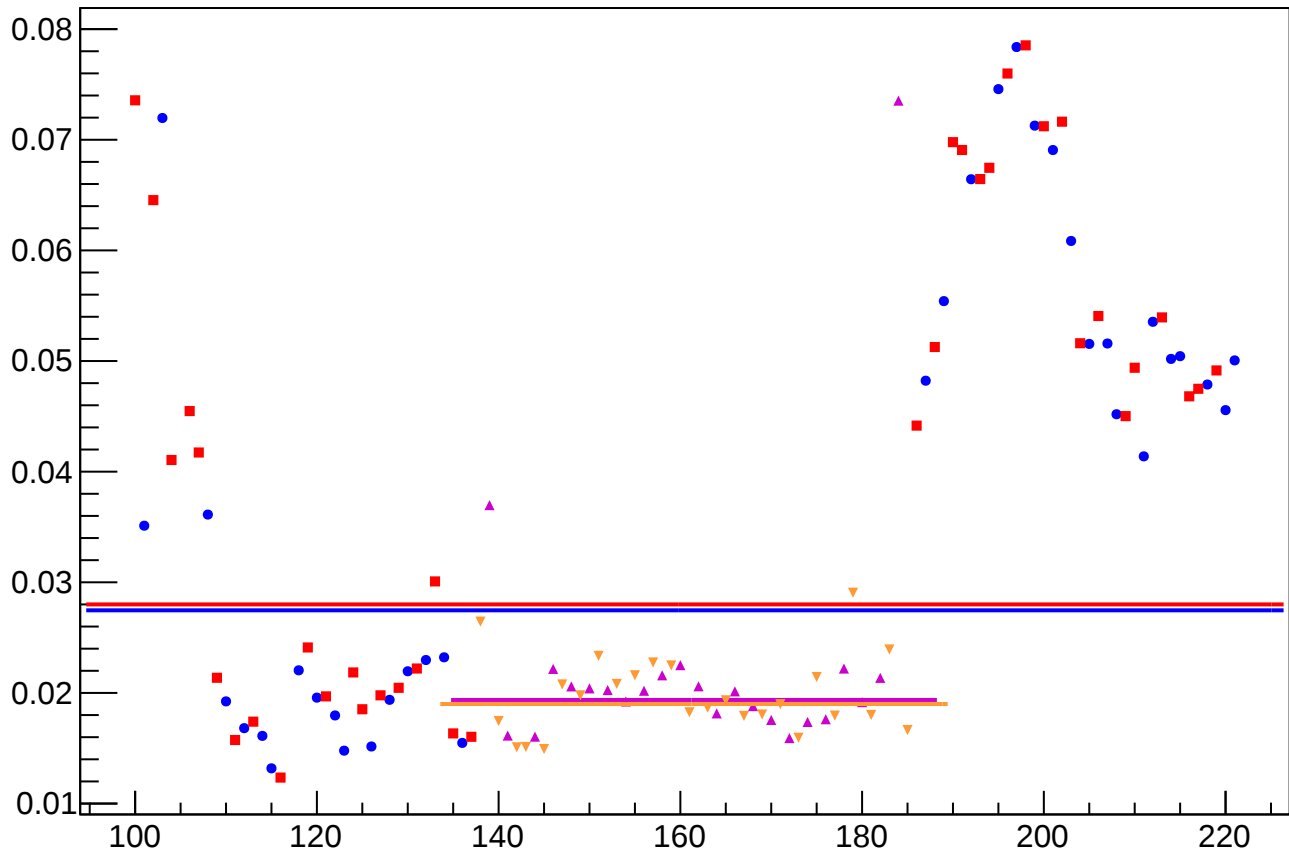
Left In: -0.045+/-0.000 χ^2/NDF : 127192425.2/22

+ sign -0.100+/-0.000 χ^2/NDF : 611273488.0/59

All: -0.100+/-0.000 χ^2/NDF : 1241750189.0/1

- sign -0.099+/-0.000 χ^2/NDF : 630443854.7/59

yield_bpm4ecX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 9693347.3/34

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9516091.1/36

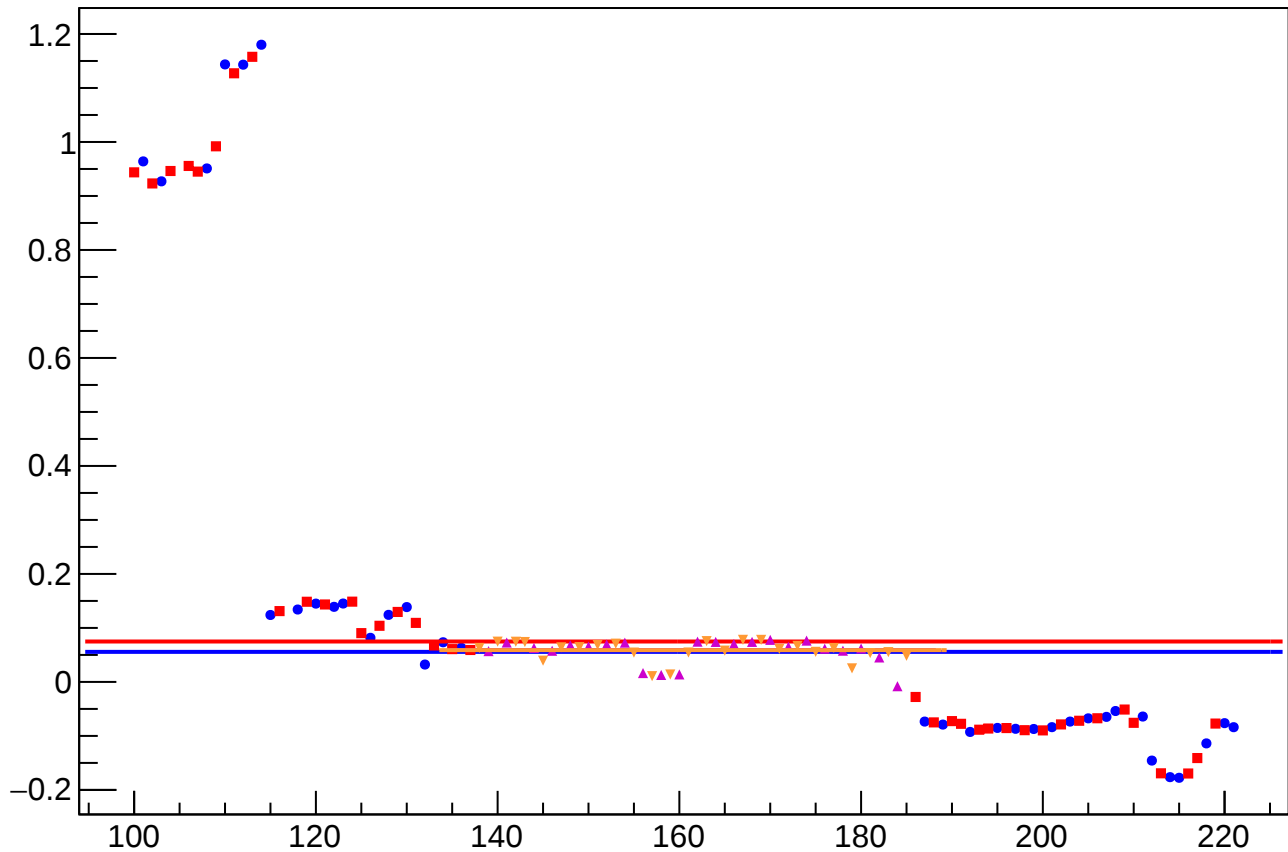
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12181594.9/59

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 24293727.4/119

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12099969.7/59

yield_bpm4ecY_mean vs Slug



Right In: 0.056 $\pm$ 0.000 χ^2 /NDF: 8907225258.9/34

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:46821236.8/24

Right Out: 0.075 $\pm$ 0.000 χ^2 /NDF: 9717241125.4/36

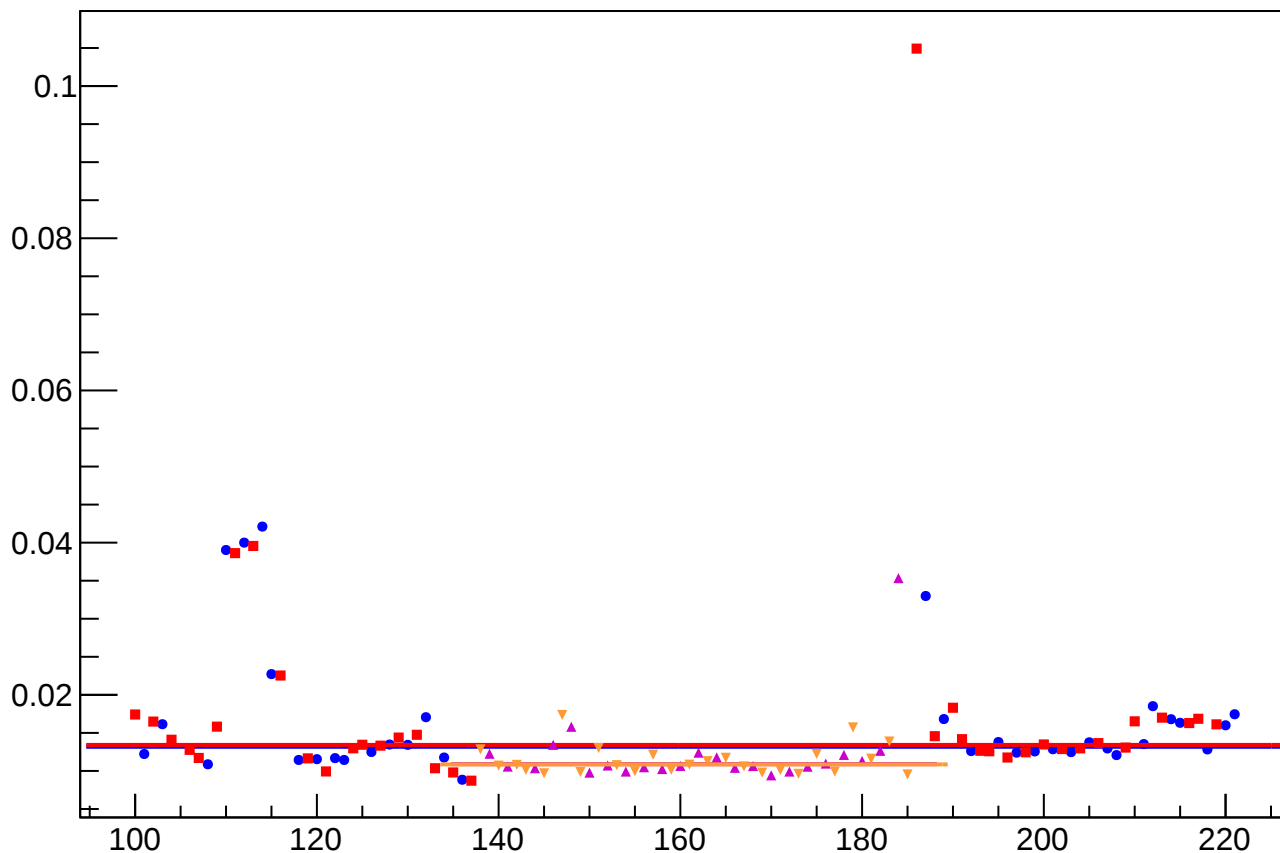
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF:58518655.0/22

+ sign 0.058 $\pm$ 0.000 χ^2 /NDF: 8954658307.7/59

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 18752337962.1/100

- sign 0.066 $\pm$ 0.000 χ^2 /NDF: 9789783837.6/59

yield_bpm4ecY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 1942974.2/34

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 2197634.8/36

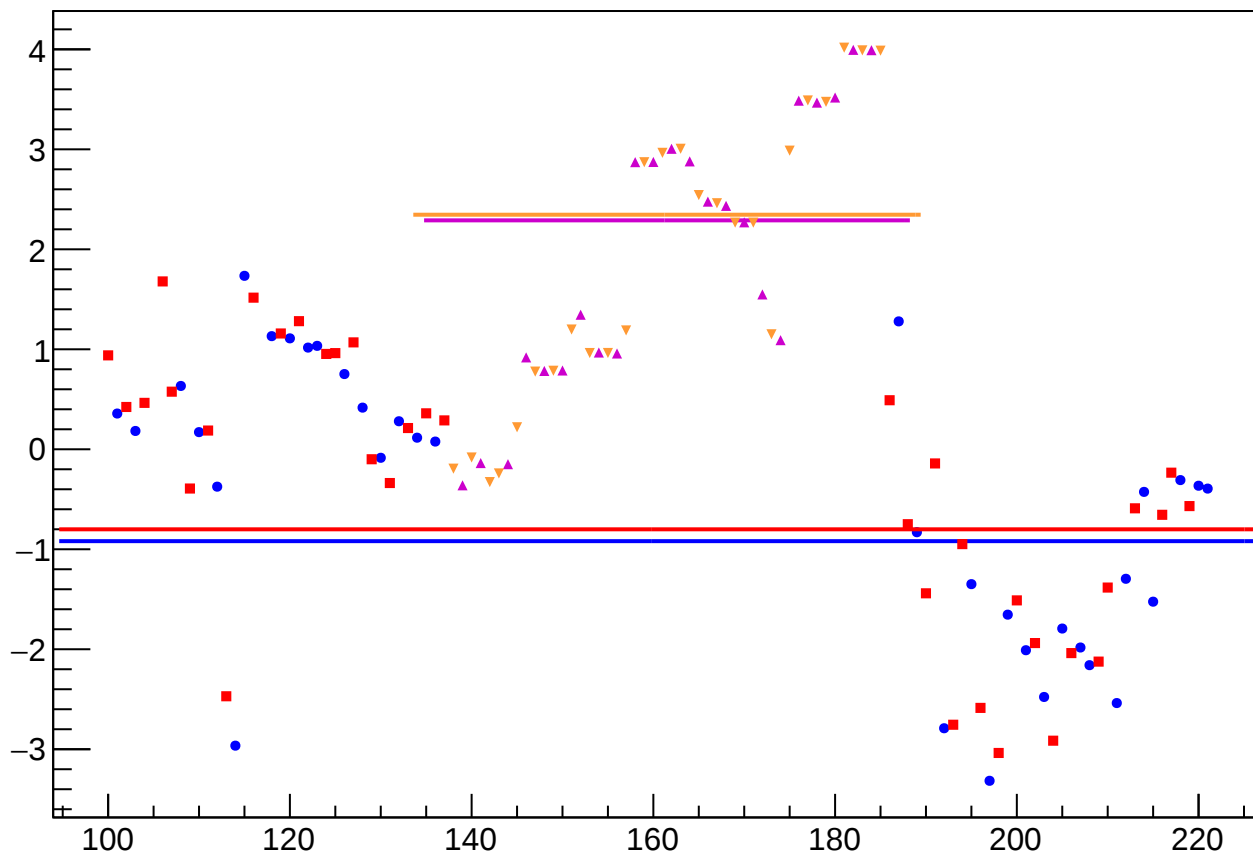
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 530077.5/22

+ sign 0.012 $\pm$ 0.000 χ^2/NDF : 3194409.9/59

All: 0.012 $\pm$ 0.000 χ^2/NDF : 6647784.7/119

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 3450377.2/59

yield_bpm1X_mean vs Slug



Right In: -0.919 ± 0.000 χ^2/NDF : 8162481558.7/34

Left Out: 2.346 ± 0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.800 ± 0.000 χ^2/NDF : 8309160244.9/36

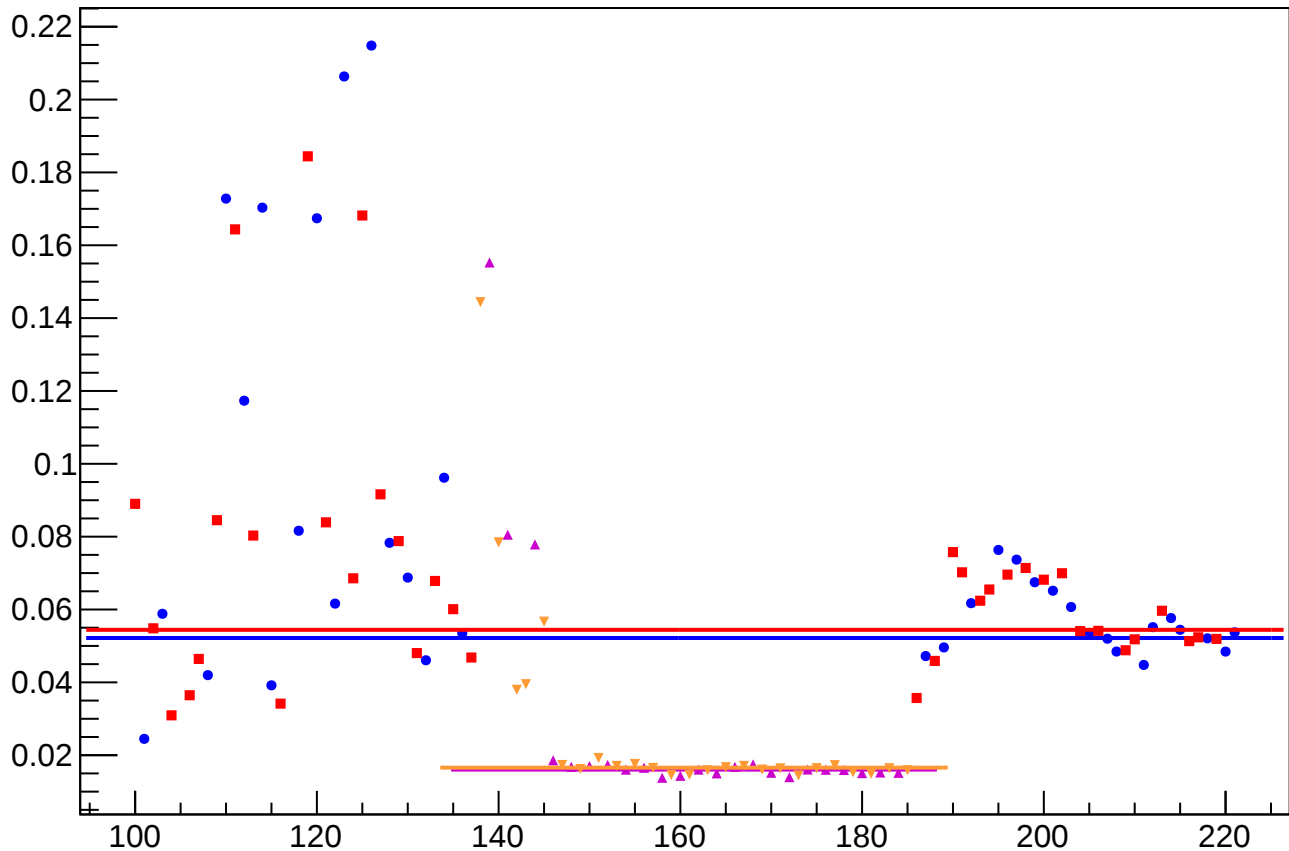
Left In: 2.290 ± 0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.013 ± 0.000 χ^2/NDF : 126955984899.9/59

All: 2.009 ± 0.000 χ^2/NDF : 241672988901.5

- sign 2.005 ± 0.000 χ^2/NDF : 114715142887.0/59

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3577420.6/34

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.054 $\pm$ 0.000 χ^2 /NDF: 2885579.8/36

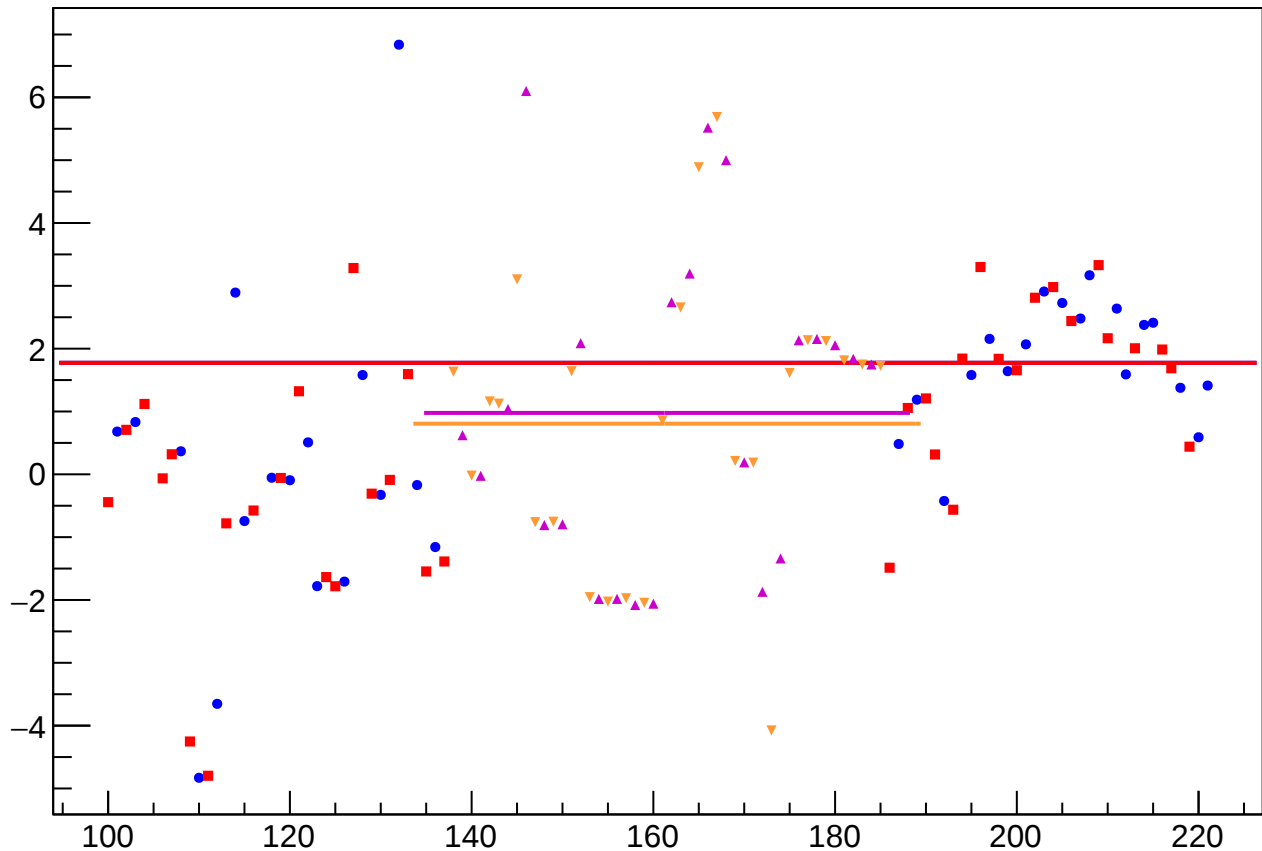
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 19345347.9/59

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 38692089.4/119

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 19323877.2/59

yield_bpm1Y_mean vs Slug



Right In: 1.775 $\pm$ 0.000 χ^2 /NDF: 44007752801.4/34

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF: 507578952196.2/24

Right Out: 1.774 $\pm$ 0.000 χ^2 /NDF: 43944550116.7/36

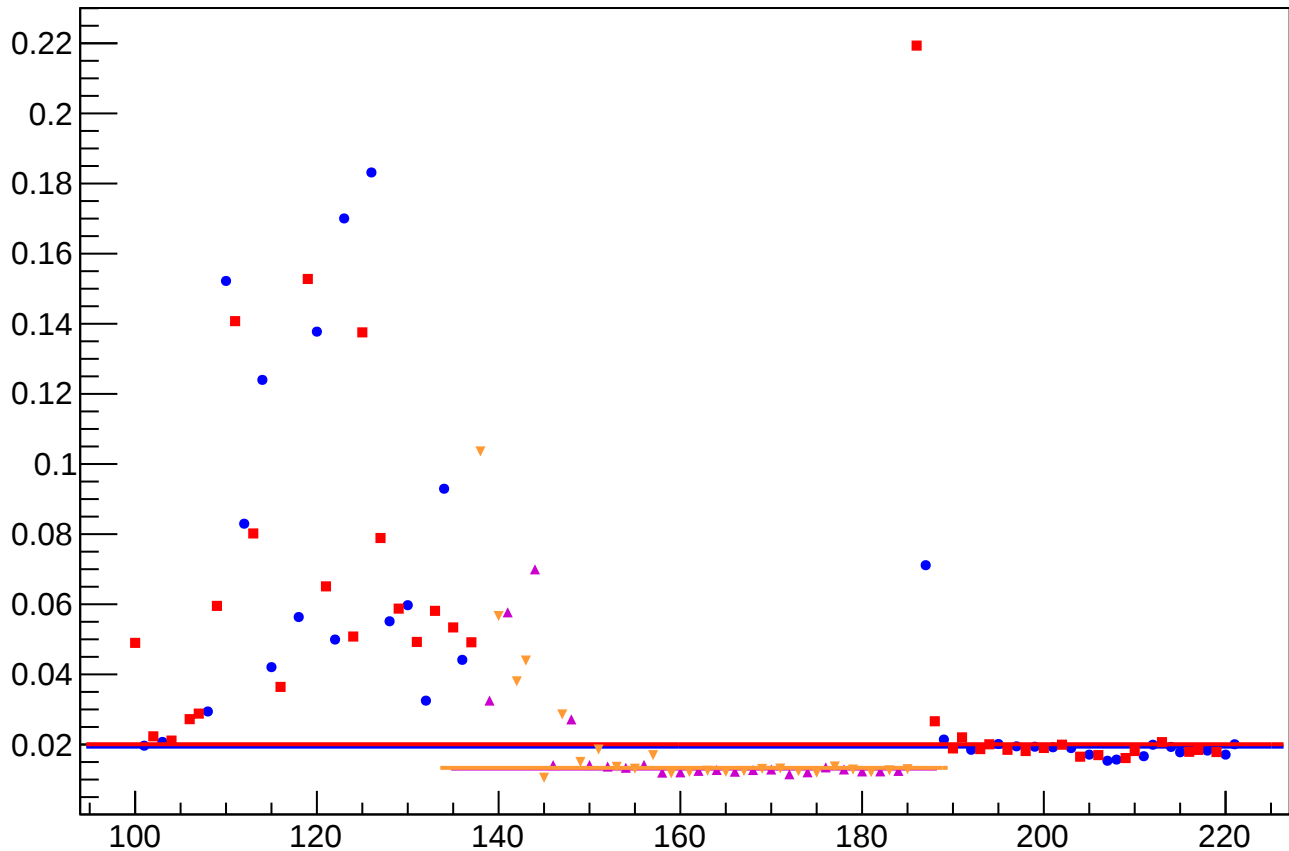
Left In: 0.977 $\pm$ 0.000 χ^2 /NDF: 568209676597.4/22

+ sign 1.106 $\pm$ 0.000 χ^2 /NDF: 576240916969.9/59

All: 1.154 $\pm$ 0.000 χ^2 /NDF: 1204363821788.

- sign 1.204 $\pm$ 0.000 χ^2 /NDF: 627535899360.6/59

yield_bpm1Y_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 4244060.6/34

Left Out: 0.013+/-0.000 χ^2/NDF : 2829753.9/24

Right Out: 0.020+/-0.000 χ^2/NDF : 5227698.8/36

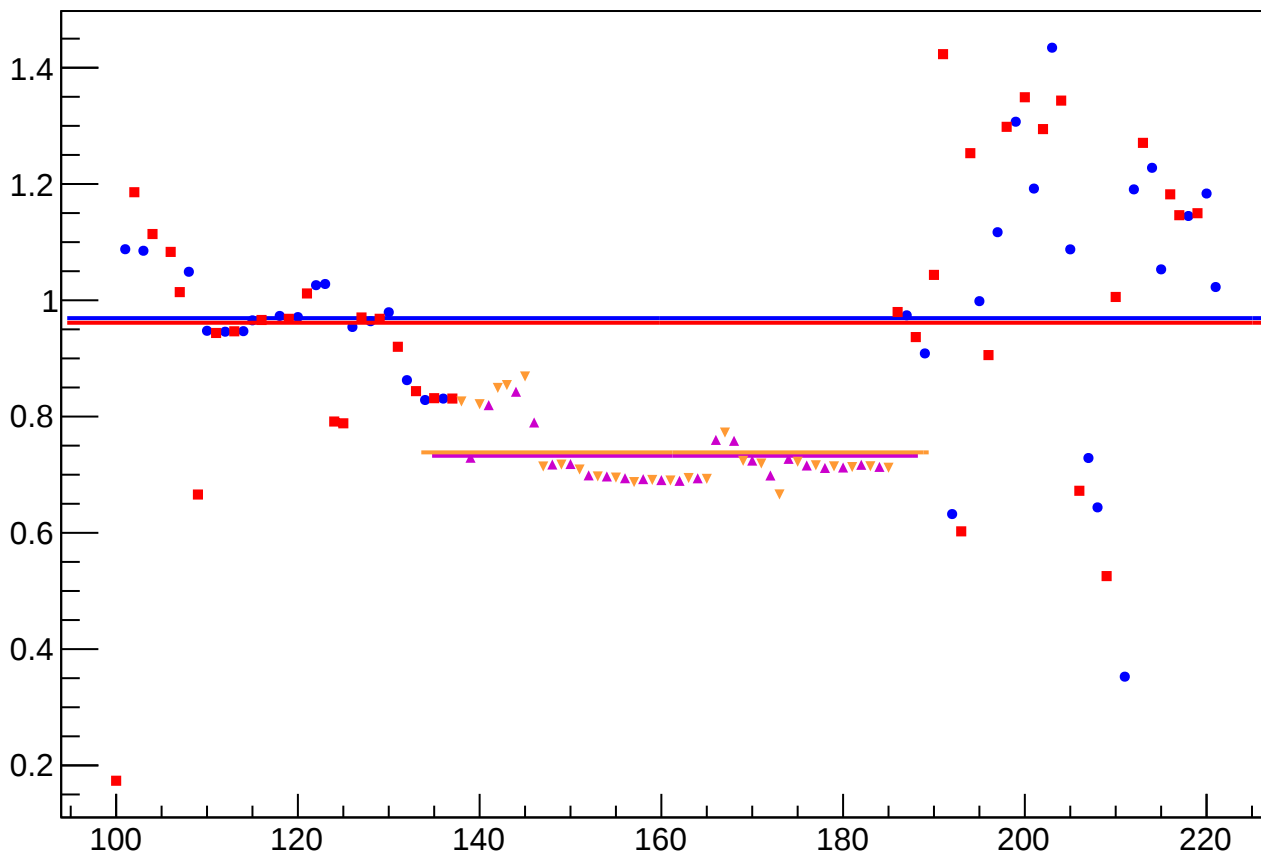
Left In: 0.013+/-0.000 χ^2/NDF : 1946693.6/22

+ sign 0.015+/-0.000 χ^2/NDF : 8997458.1/59

All: 0.015+/-0.000 χ^2/NDF : 18505645.9/119

- sign 0.015+/-0.000 χ^2/NDF : 9507029.1/59

yield_bpm11X_mean vs Slug



Right In: 0.969 $\pm$ 0.000 χ^2 /NDF: 1082989533.4/34

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310195180.4/24

Right Out: 0.961 $\pm$ 0.000 χ^2 /NDF: 1319585988.8/36

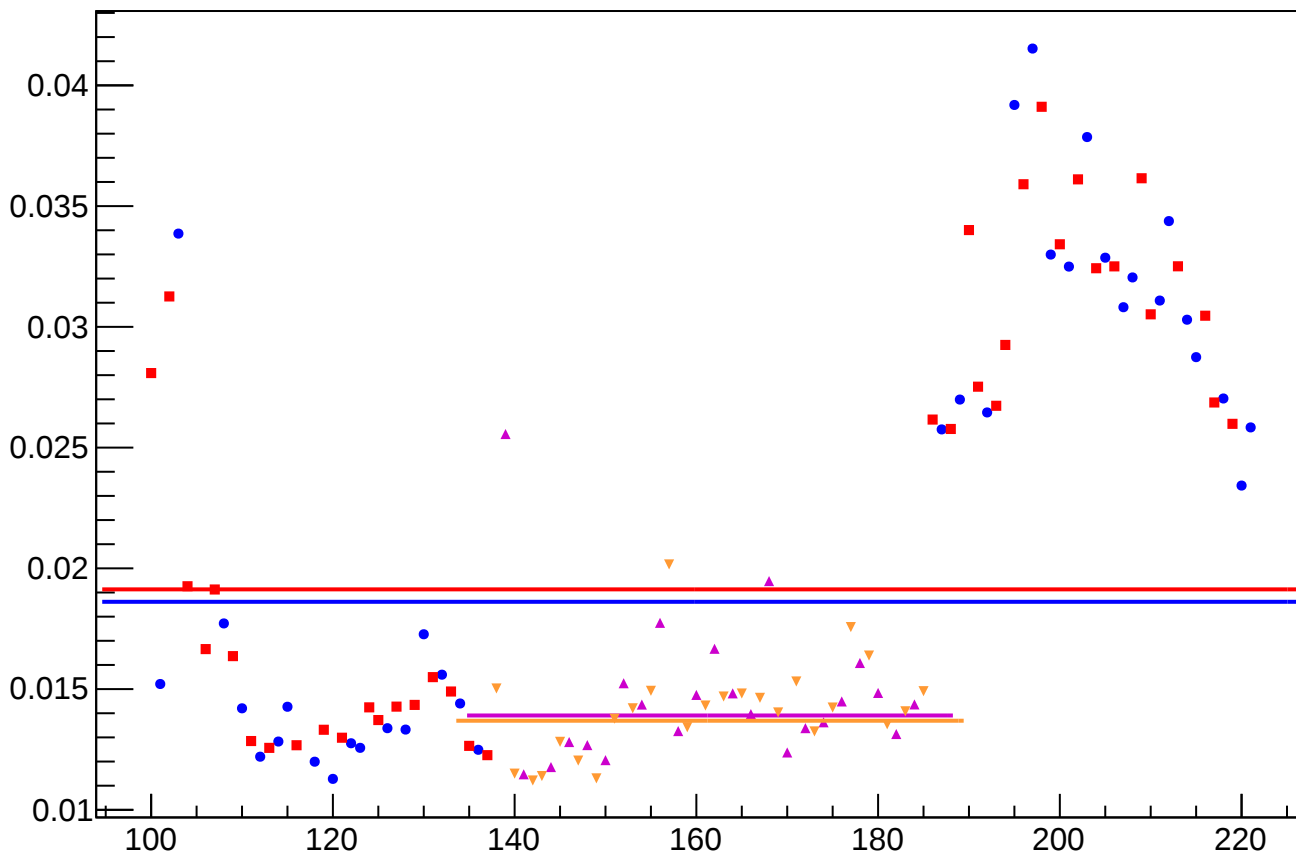
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:170102394.7/22

+ sign 0.817 $\pm$ 0.000 χ^2 /NDF: 2952991158.5/59

All: 0.814 $\pm$ 0.000 χ^2 /NDF: 5880175981.9/11

- sign 0.811 $\pm$ 0.000 χ^2 /NDF: 2925275382.8/59

yield_bpm11X_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 5966629.7/34

Left Out: 0.014+/-0.000 χ^2/NDF : 528480.6/24

Right Out: 0.019+/-0.000 χ^2/NDF : 5227084.3/36

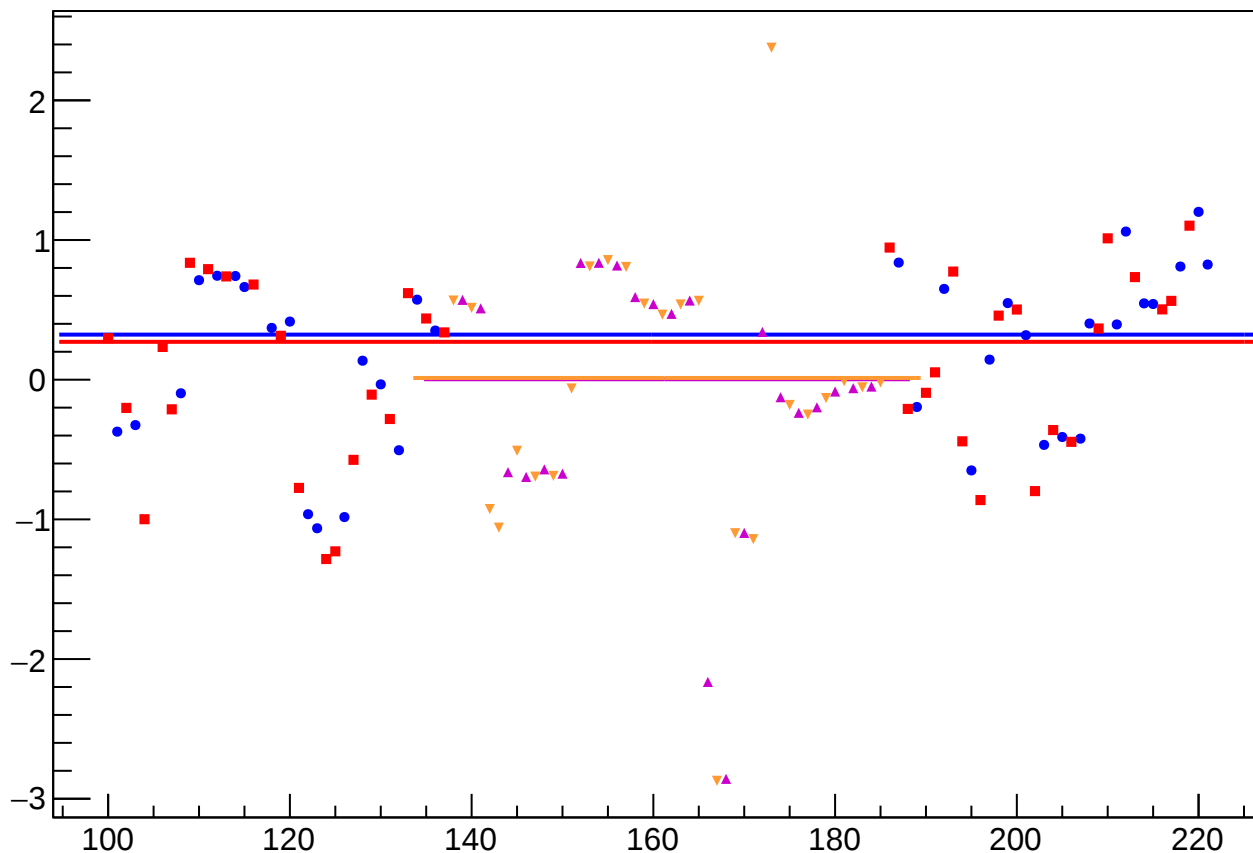
Left In: 0.014+/-0.000 χ^2/NDF : 768161.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 7914206.9/59

All: 0.016+/-0.000 χ^2/NDF : 15420156.0/119

- sign 0.016+/-0.000 χ^2/NDF : 7491236.5/59

yield_bpm11Y_mean vs Slug



Right In: 0.323+/-0.000 χ^2/NDF : 46446120009.7/34

Left Out: 0.012+/-0.000 χ^2/NDF : 96383858927.1/24

Right Out: 0.271+/-0.000 χ^2/NDF : 50298322884.8/36

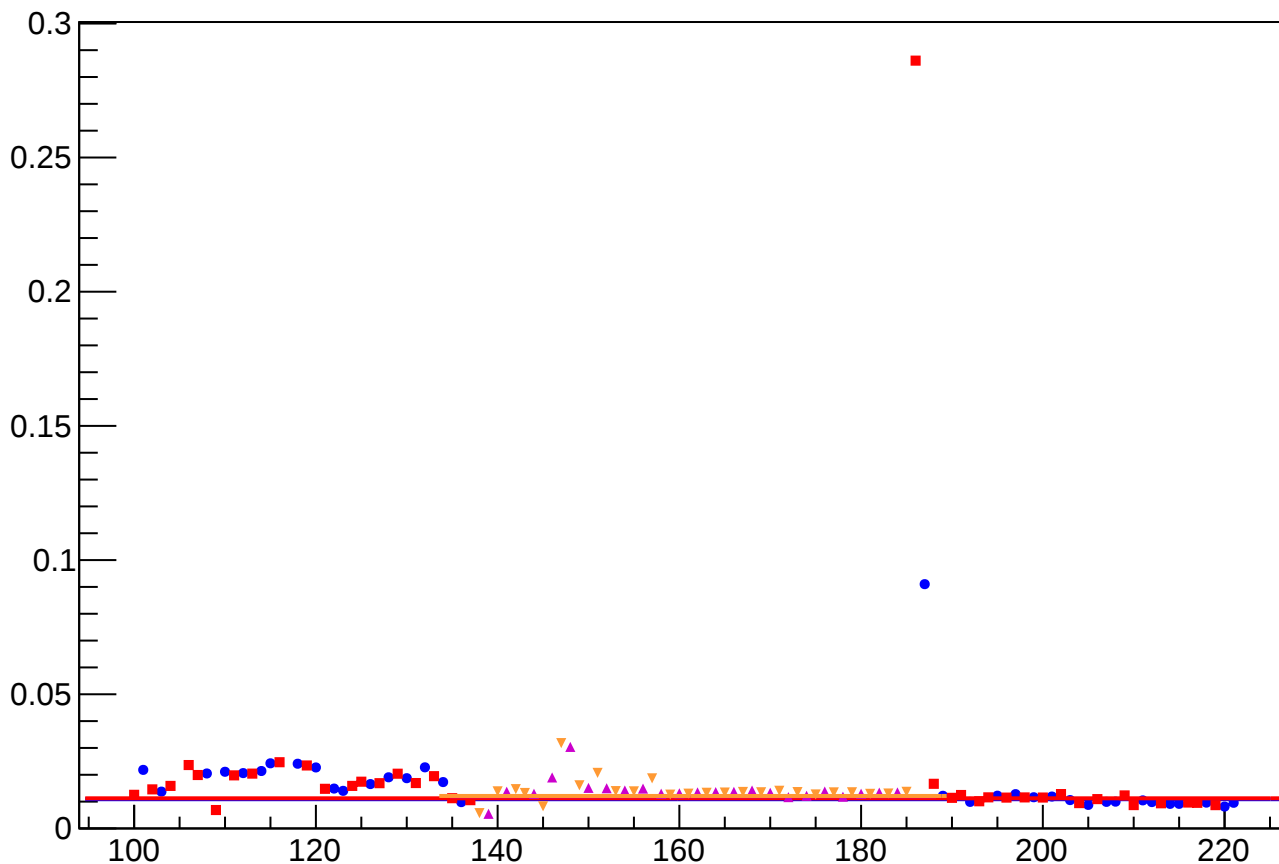
Left In: 0.003+/-0.000 χ^2/NDF : 78826489573.0/22

+ sign 0.187+/-0.000 χ^2/NDF : 148745620395.7/59

All: 0.169+/-0.000 χ^2/NDF : 282148155450.5

- sign 0.150+/-0.000 χ^2/NDF : 133238923409.8/59

yield_bpm11Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2886485.4/34

Left Out: 0.012+/-0.000 χ^2/NDF :3105238.9/24

Right Out: 0.011+/-0.000 χ^2/NDF : 3226961.1/36

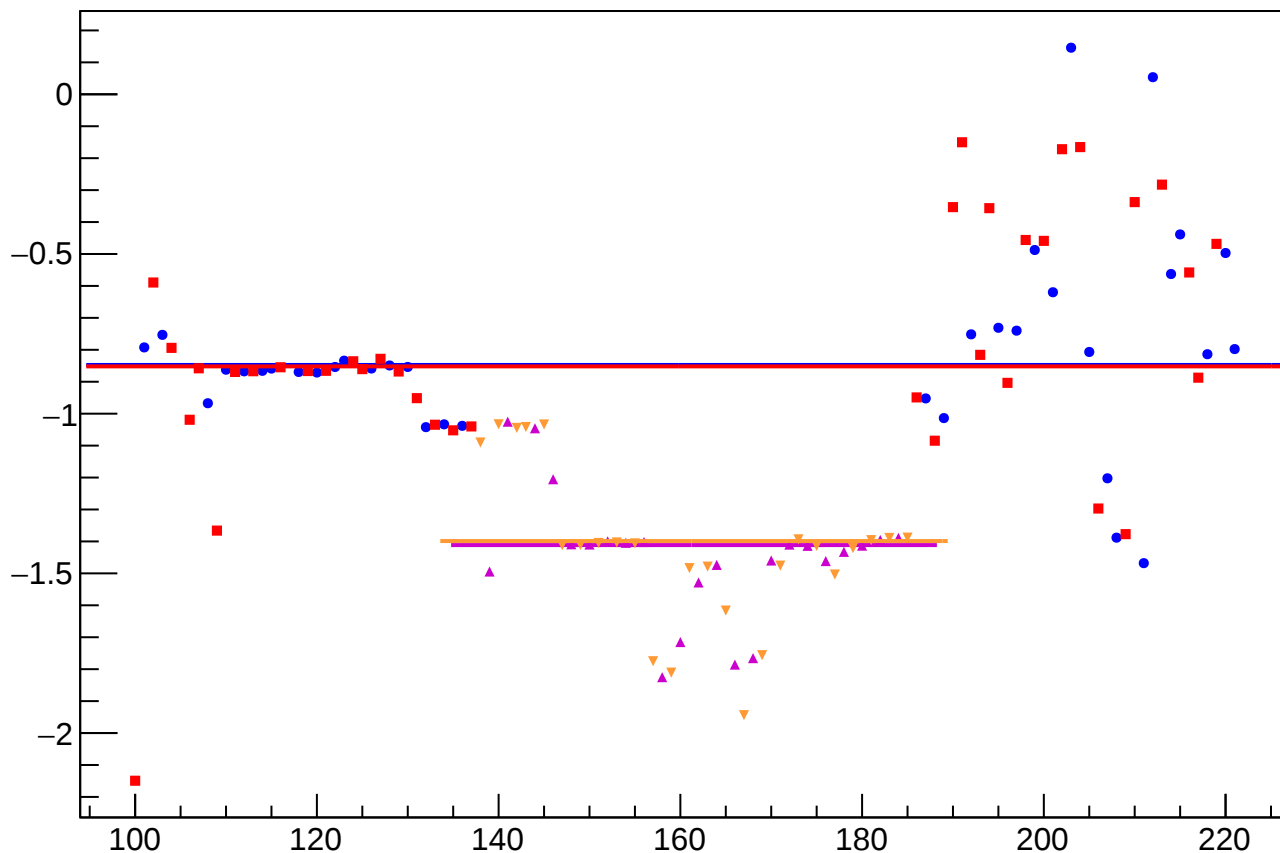
Left In: 0.012+/-0.000 χ^2/NDF :3003502.9/22

+ sign 0.011+/-0.000 χ^2/NDF : 6171362.4/59

All: 0.011+/-0.000 χ^2/NDF : 12474551.5/119

- sign 0.012+/-0.000 χ^2/NDF : 6297693.4/59

yield_bpm12X_mean vs Slug



Right In: -0.847 ± 0.000 χ^2/NDF : 398560012.9/34

Left Out: -1.399 ± 0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.852 ± 0.000 χ^2/NDF : 517874996.1/36

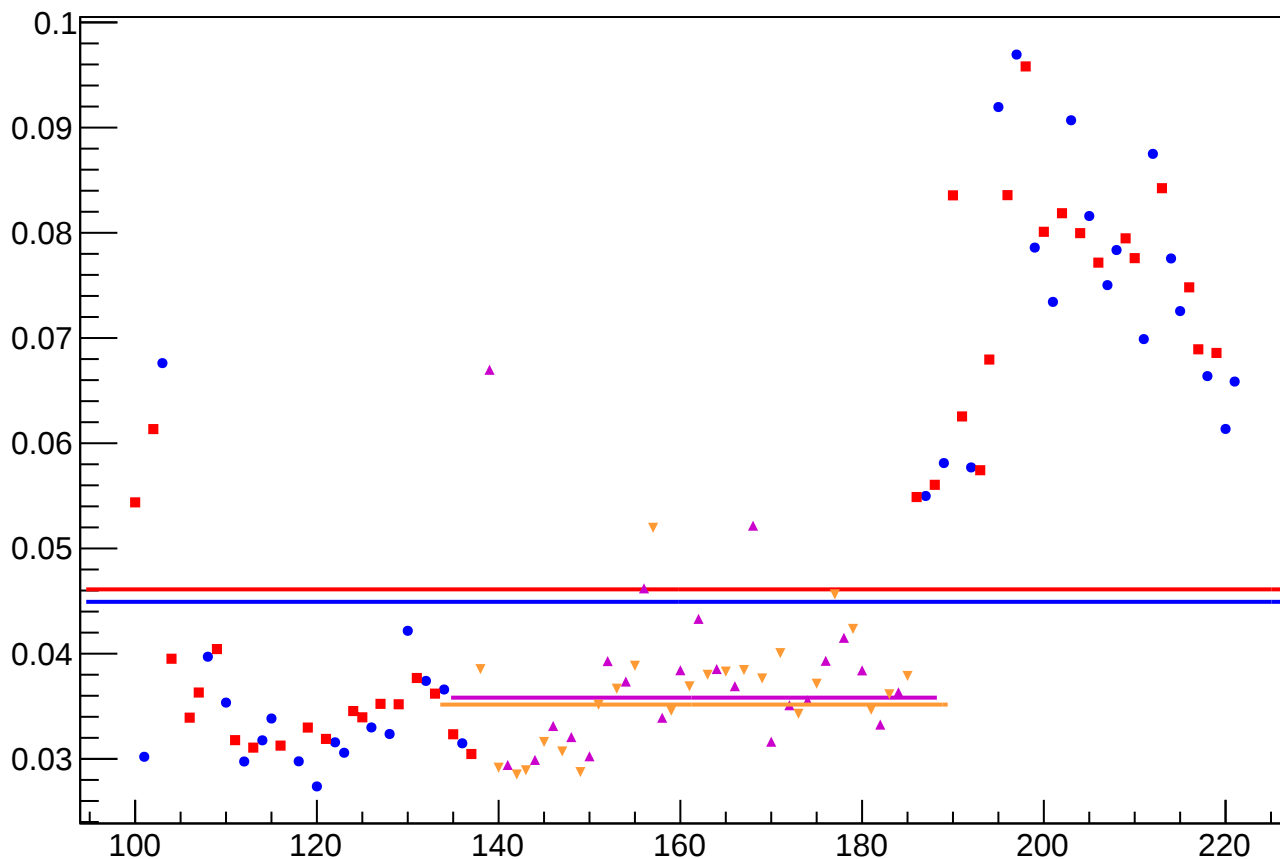
Left In: -1.411 ± 0.000 χ^2/NDF : 512547995.0/22

+ sign -1.193 ± 0.000 χ^2/NDF : 2605919915.4/59

All: -1.196 ± 0.000 χ^2/NDF : 5051925849.8/1

- sign -1.199 ± 0.000 χ^2/NDF : 2445684697.7/59

yield_bpm12X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 5874544.5/34

Left Out: 0.035+/-0.000 χ^2/NDF : 595219.5/24

Right Out: 0.046+/-0.000 χ^2/NDF : 4905955.3/36

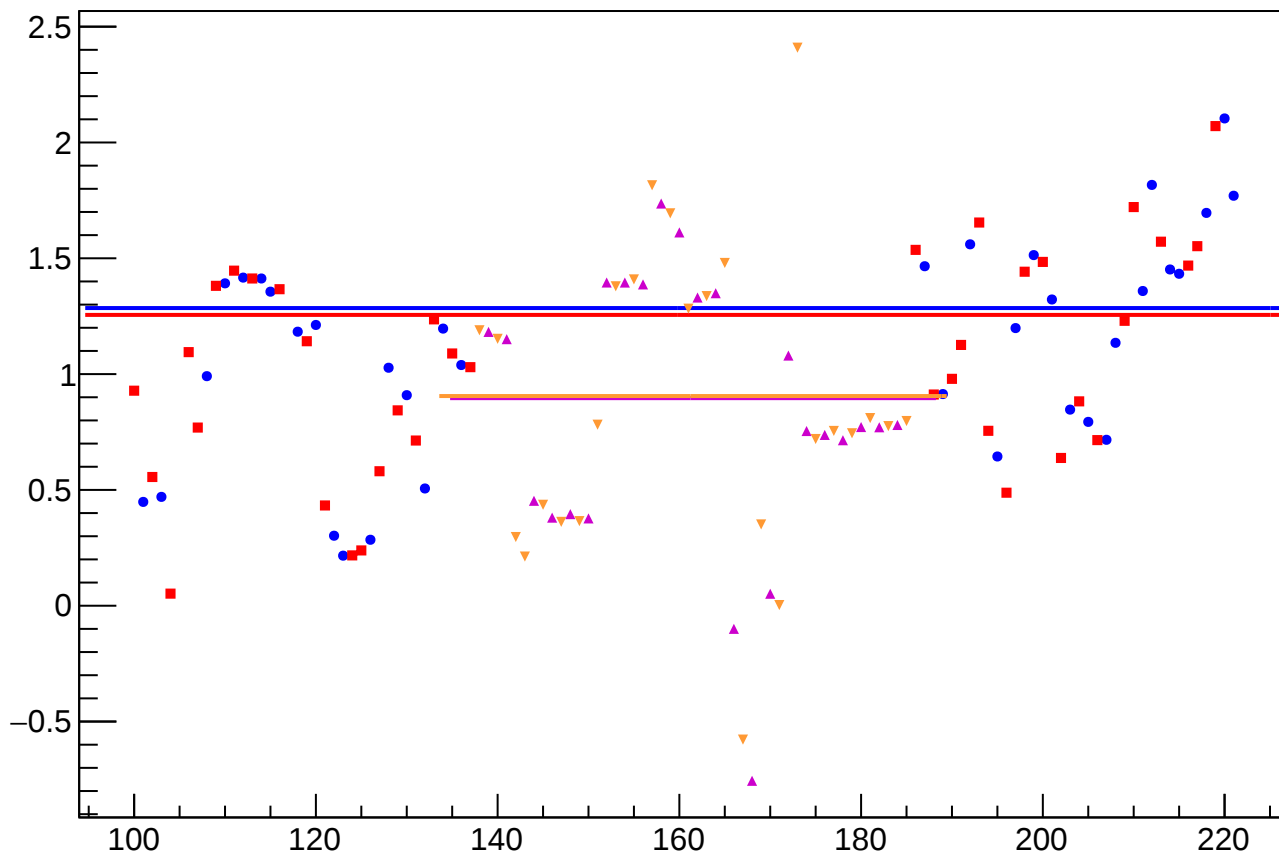
Left In: 0.036+/-0.000 χ^2/NDF : 864147.6/22

+ sign 0.039+/-0.000 χ^2/NDF : 7391586.6/59

All: 0.039+/-0.000 χ^2/NDF : 14136330.3/119

- sign 0.040+/-0.000 χ^2/NDF : 6727657.7/59

yield_bpm12Y_mean vs Slug



Right In: 1.285 $\pm$ 0.000 χ^2 /NDF: 79653451791.8/34

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 1.256 $\pm$ 0.000 χ^2 /NDF: 71624433534.9/36

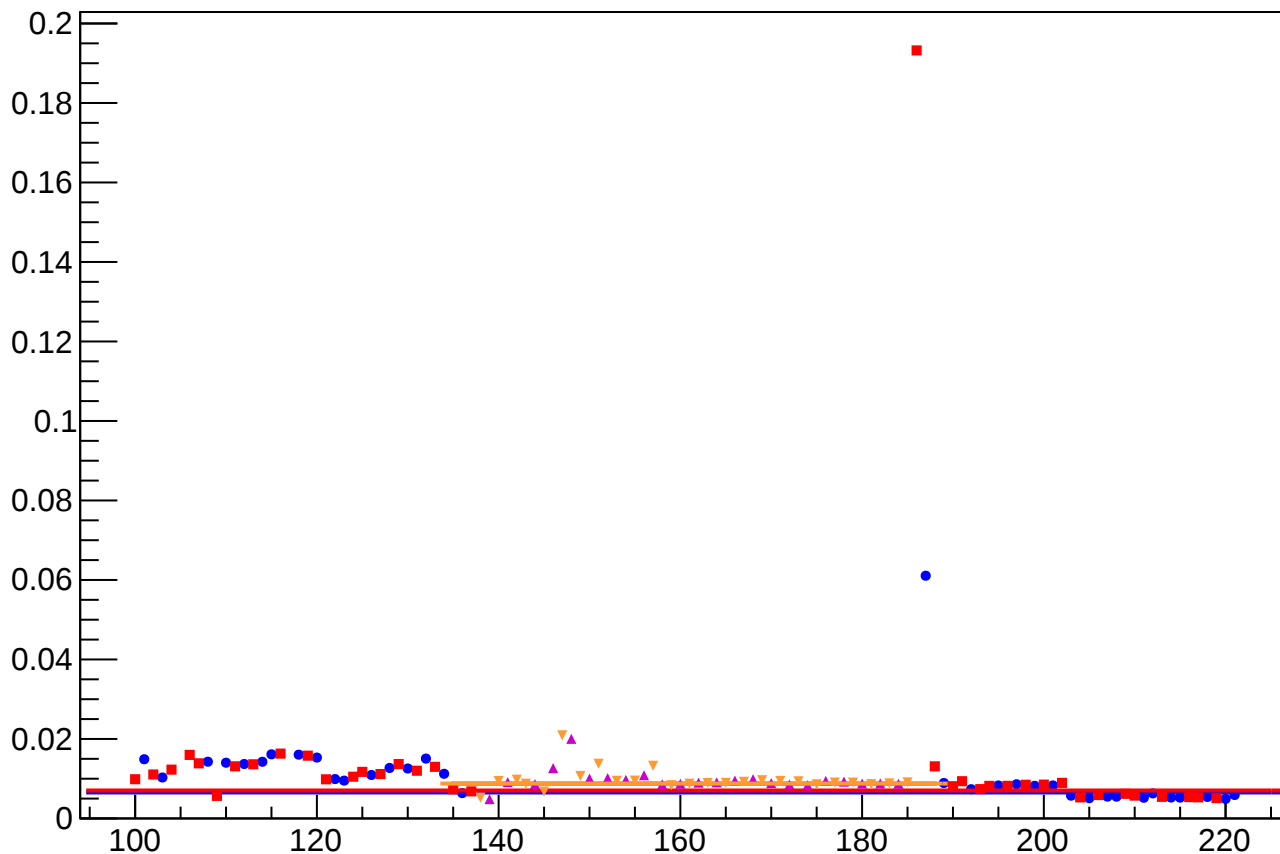
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 1.148 $\pm$ 0.000 χ^2 /NDF: 184092388151.6/59

All: 1.133 $\pm$ 0.000 χ^2 /NDF: 338748772920.8

- sign 1.116 $\pm$ 0.000 χ^2 /NDF: 154360065400.0/59

yield_bpm12Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 4050985.7/34

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1697568.1/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 4325200.1/36

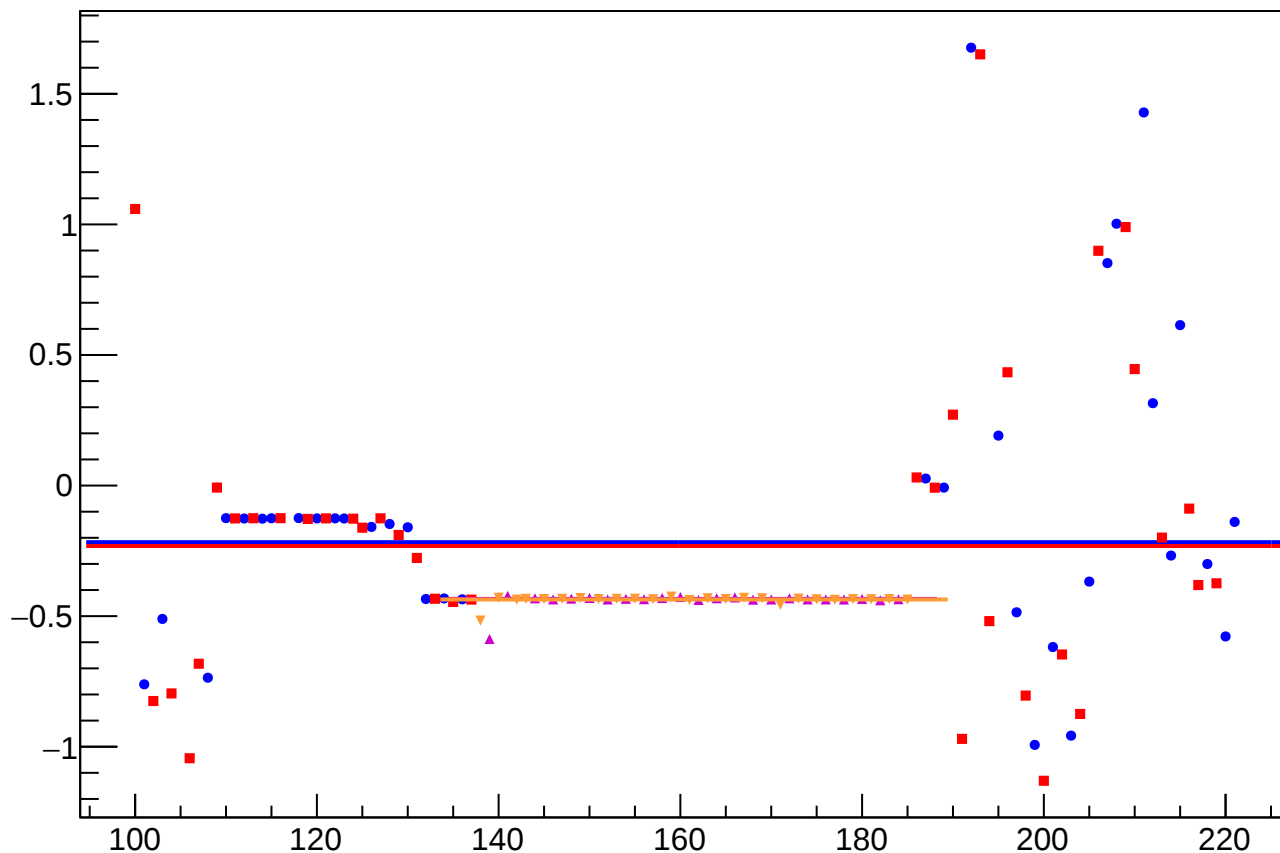
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 7154715.6/59

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 13916463.7/119

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6685394.0/59

yield_bpm16X_mean vs Slug



Right In: -0.217 ± 0.000 χ^2/NDF : 5047424378.1/34

Left Out: -0.436 ± 0.000 χ^2/NDF : 28774660.0/24

Right Out: -0.232 ± 0.000 χ^2/NDF : 3442822640.7/36

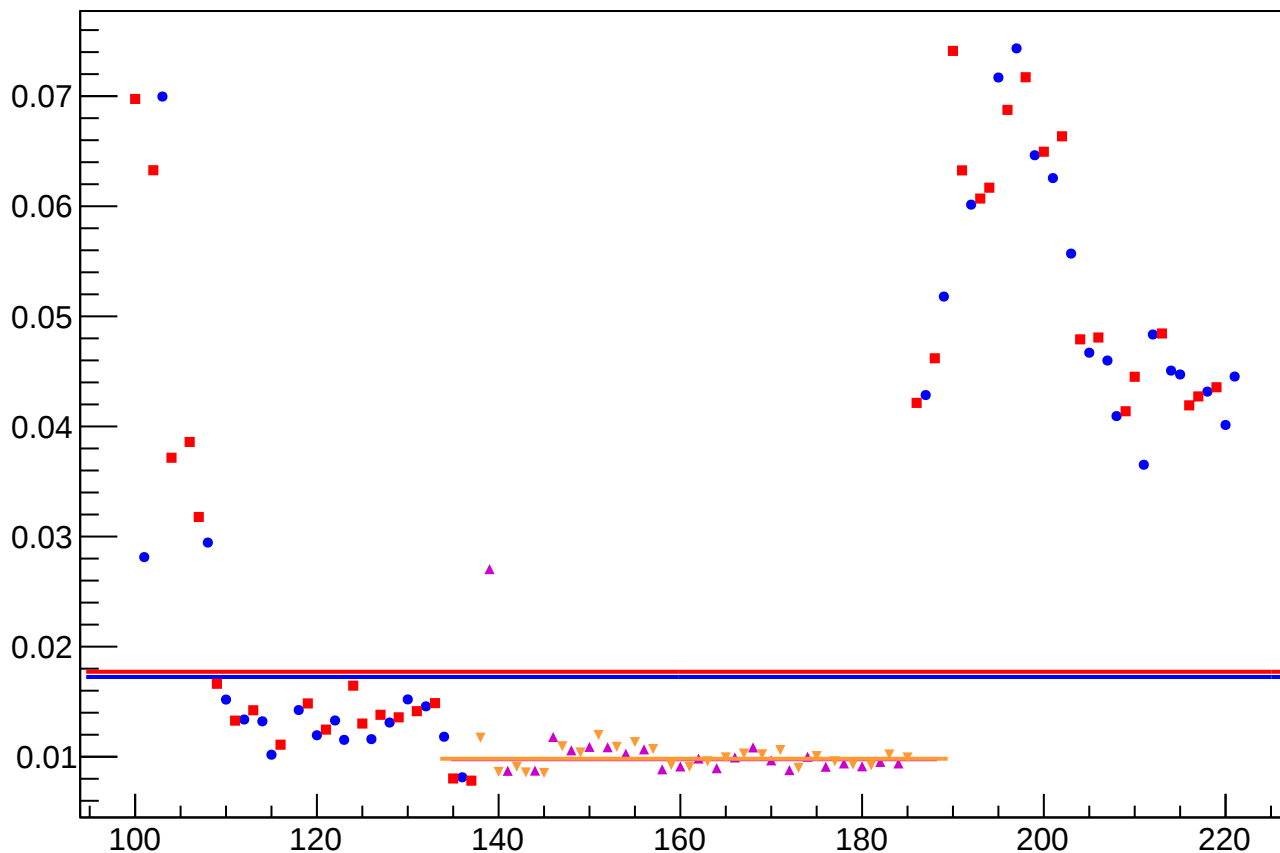
Left In: -0.434 ± 0.000 χ^2/NDF : 23984173.0/22

+ sign -0.395 ± 0.000 χ^2/NDF : 6537262290.4/59

All: -0.396 ± 0.000 χ^2/NDF : 11156455008.5/118

- sign -0.397 ± 0.000 χ^2/NDF : 4618949130.4/59

yield_bpm16X_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 14309982.7/34

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:269242.6/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 13827454.5/36

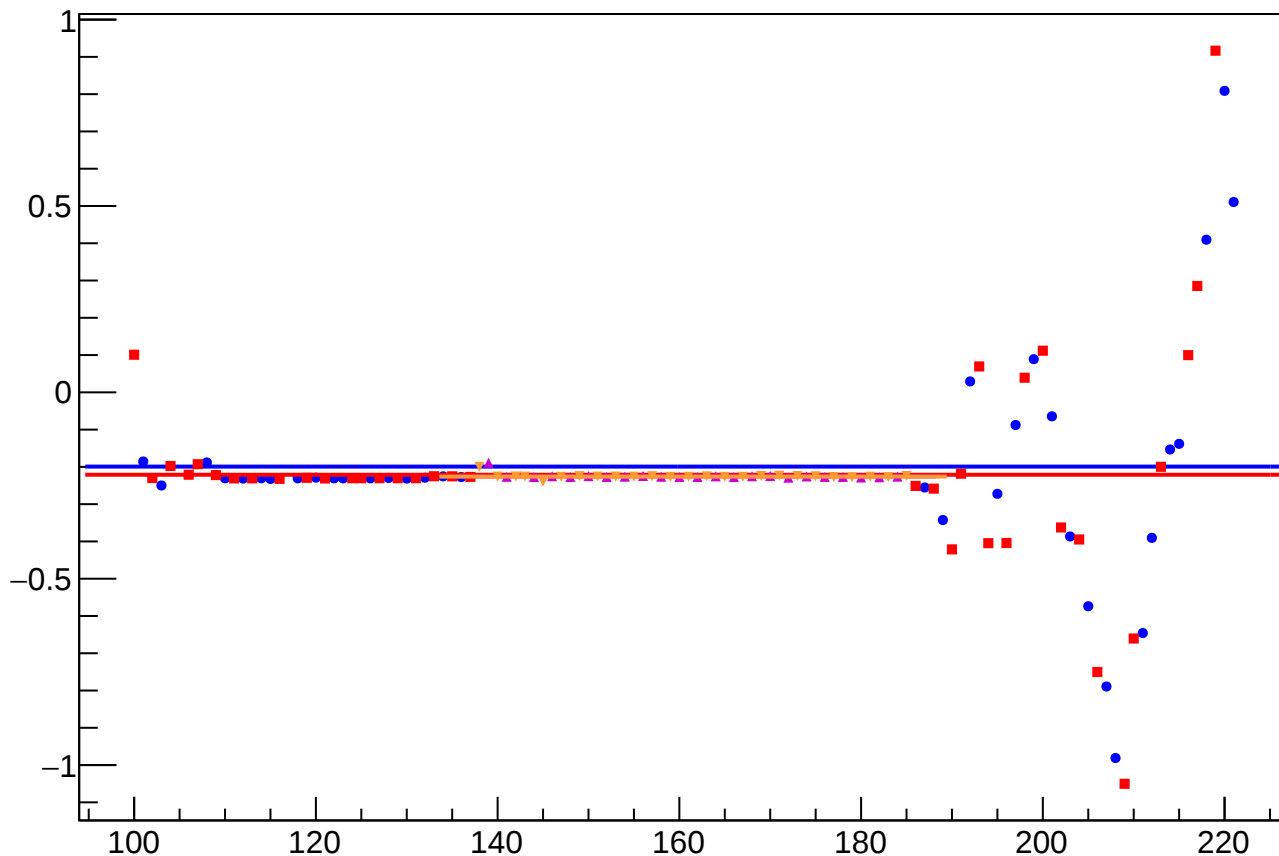
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:747550.0/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 17922896.7/59

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 36042902.2/119

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 18119835.0/59

yield_bpm16Y_mean vs Slug



Right In: -0.199+/-0.000 χ^2/NDF : 52761306648.4/34

Left Out: -0.226+/-0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.221+/-0.000 χ^2/NDF : 46853369475.5/36

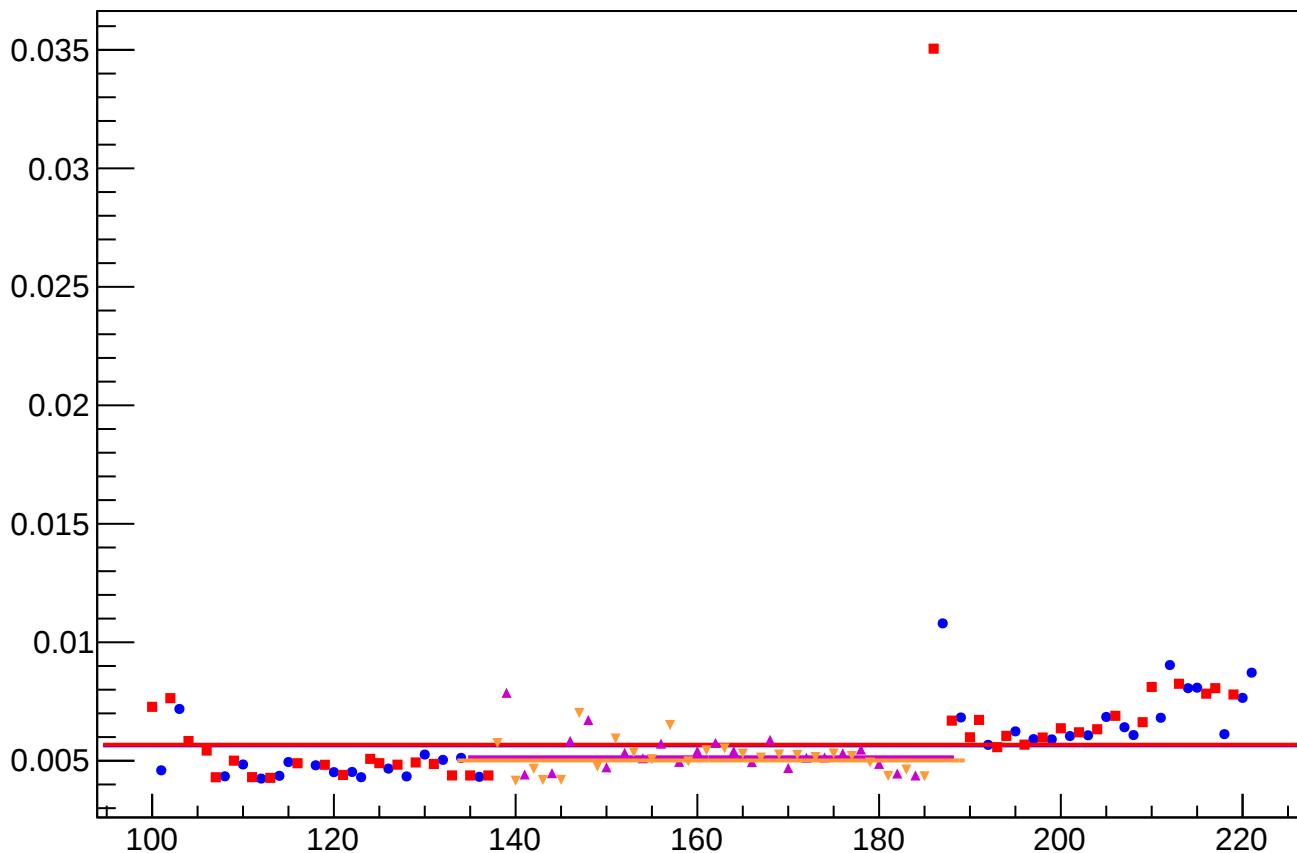
Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

+ sign -0.214+/-0.000 χ^2/NDF : 53002721494.7/59

All: -0.219+/-0.000 χ^2/NDF : 99931870183.1/119

- sign -0.224+/-0.000 χ^2/NDF : 46874752295.1/59

yield_bpm16Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1712543.3/34

Left Out: 0.005+/-0.000 χ^2/NDF : 530632.6/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1975295.1/36

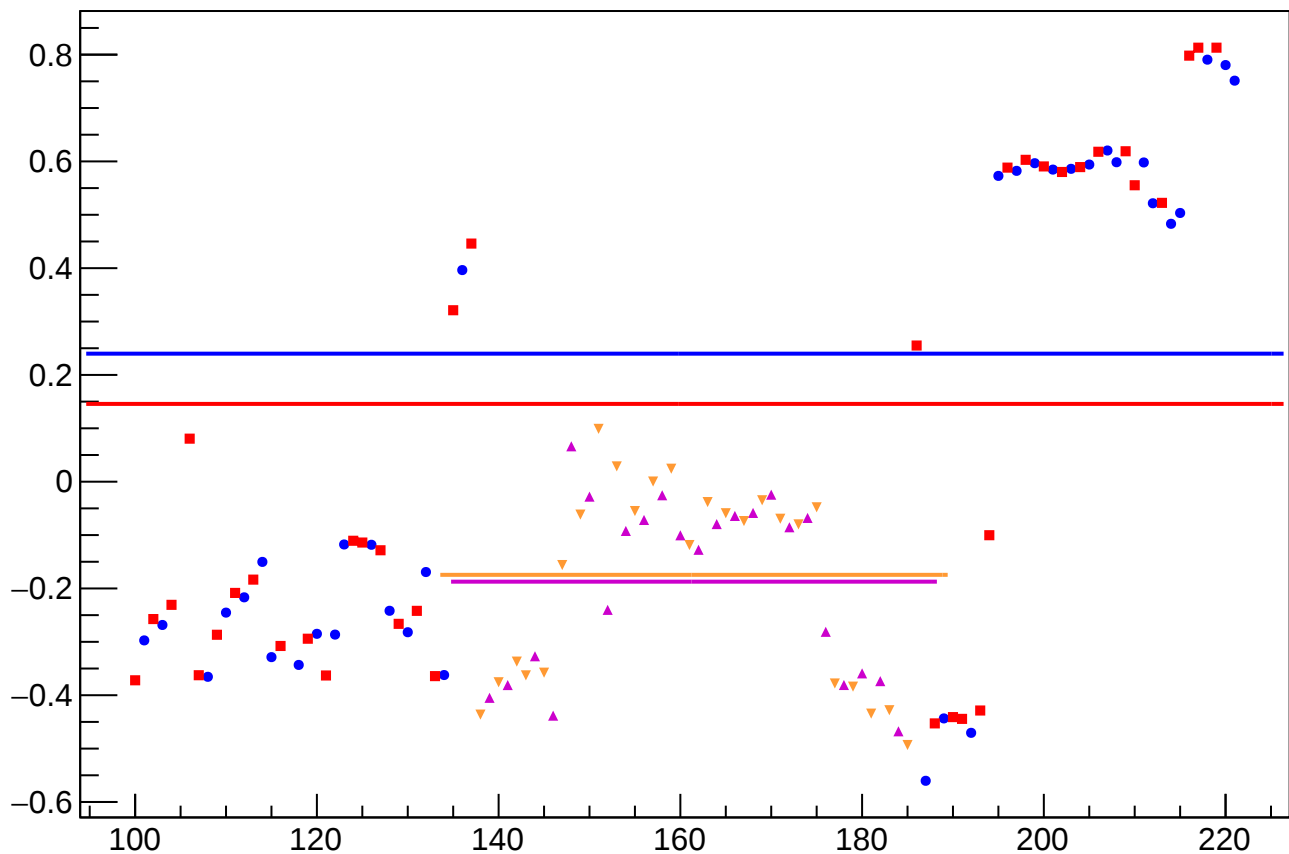
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 2492043.5/59

All: 0.005+/-0.000 χ^2/NDF : 5133270.9/119

- sign 0.005+/-0.000 χ^2/NDF : 2630299.2/59

yield_bpm0i02X_mean vs Slug



Right In: 0.240 $\pm$ 0.000 χ^2 /NDF: 82745726115.7/34

Left Out: -0.174 $\pm$ 0.000 χ^2 /NDF: 18025533236.1/24

Right Out: 0.146 $\pm$ 0.000 χ^2 /NDF: 85853759926.3/36

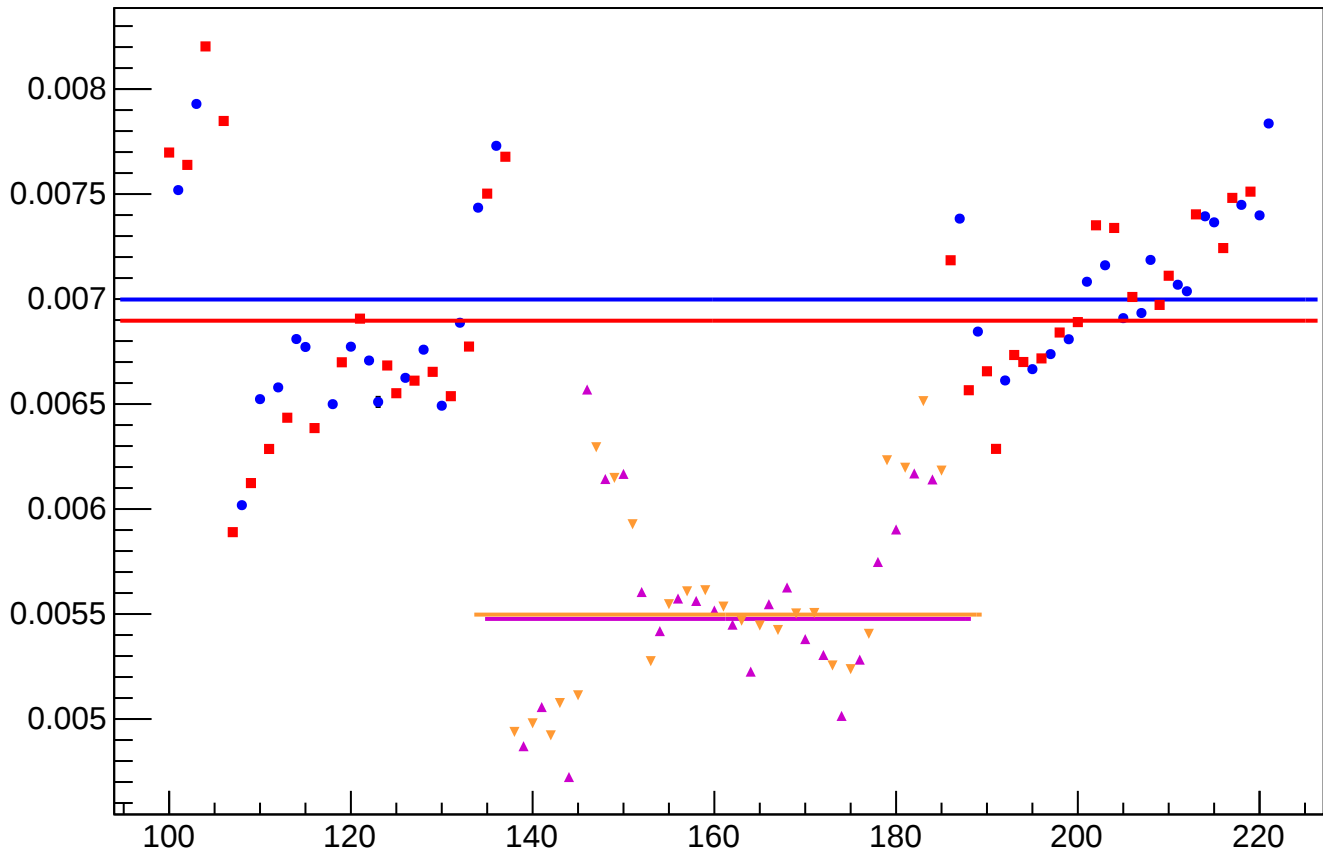
Left In: -0.187 $\pm$ 0.000 χ^2 /NDF: 12816646575.4/22

+ sign -0.005 $\pm$ 0.000 χ^2 /NDF: 141345904947.8/59

All: -0.025 $\pm$ 0.000 χ^2 /NDF: 266506815623.1

- sign -0.046 $\pm$ 0.000 χ^2 /NDF: 124335500134.9/59

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 139459.1/34

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:198746.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 167655.0/36

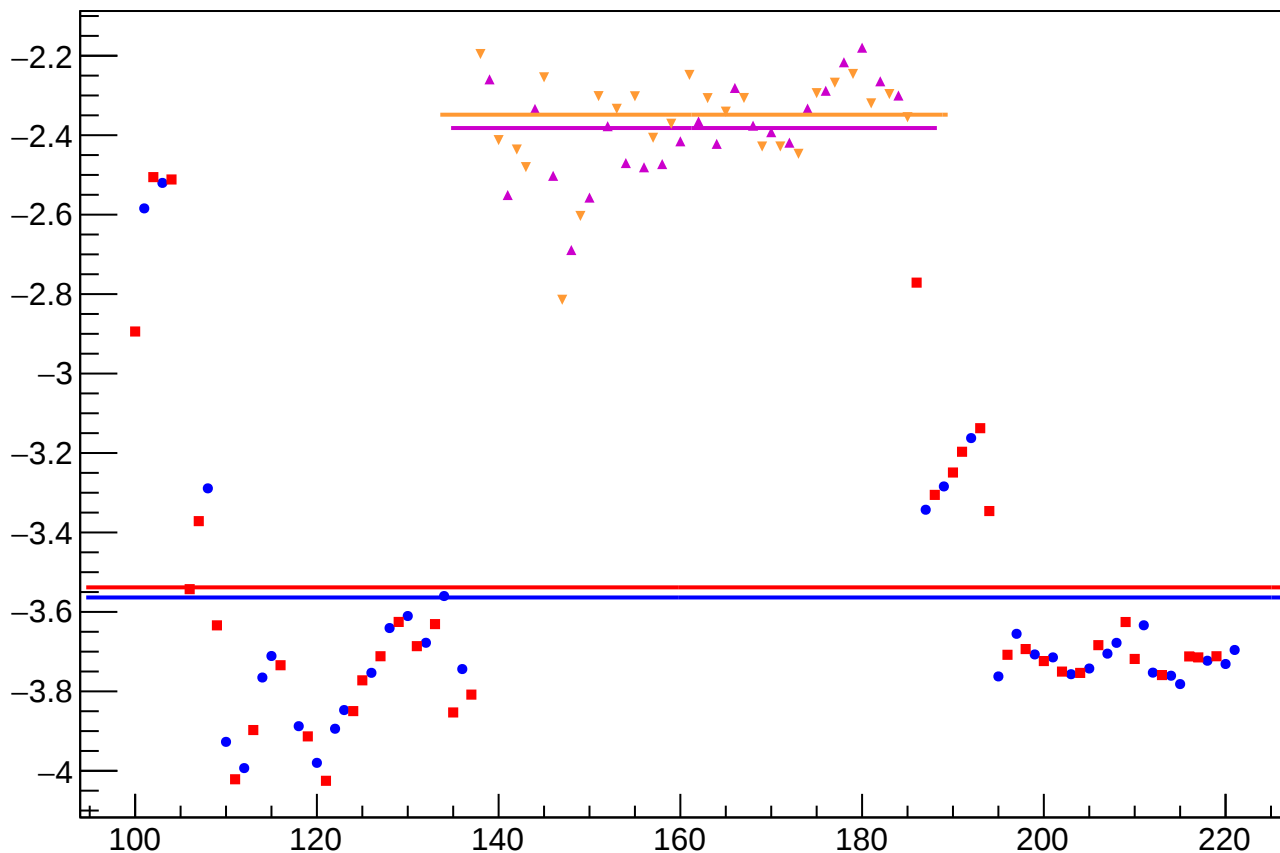
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:202181.4/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1402562.6/59

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 2707139.4/119

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1303491.4/59

yield_bpm0i02Y_mean vs Slug



Right In: -3.564 ± 0.000 χ^2/NDF : 31064845342.8/34

Left Out: -2.348 ± 0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.538 ± 0.000 χ^2/NDF : 31752007967.8/36

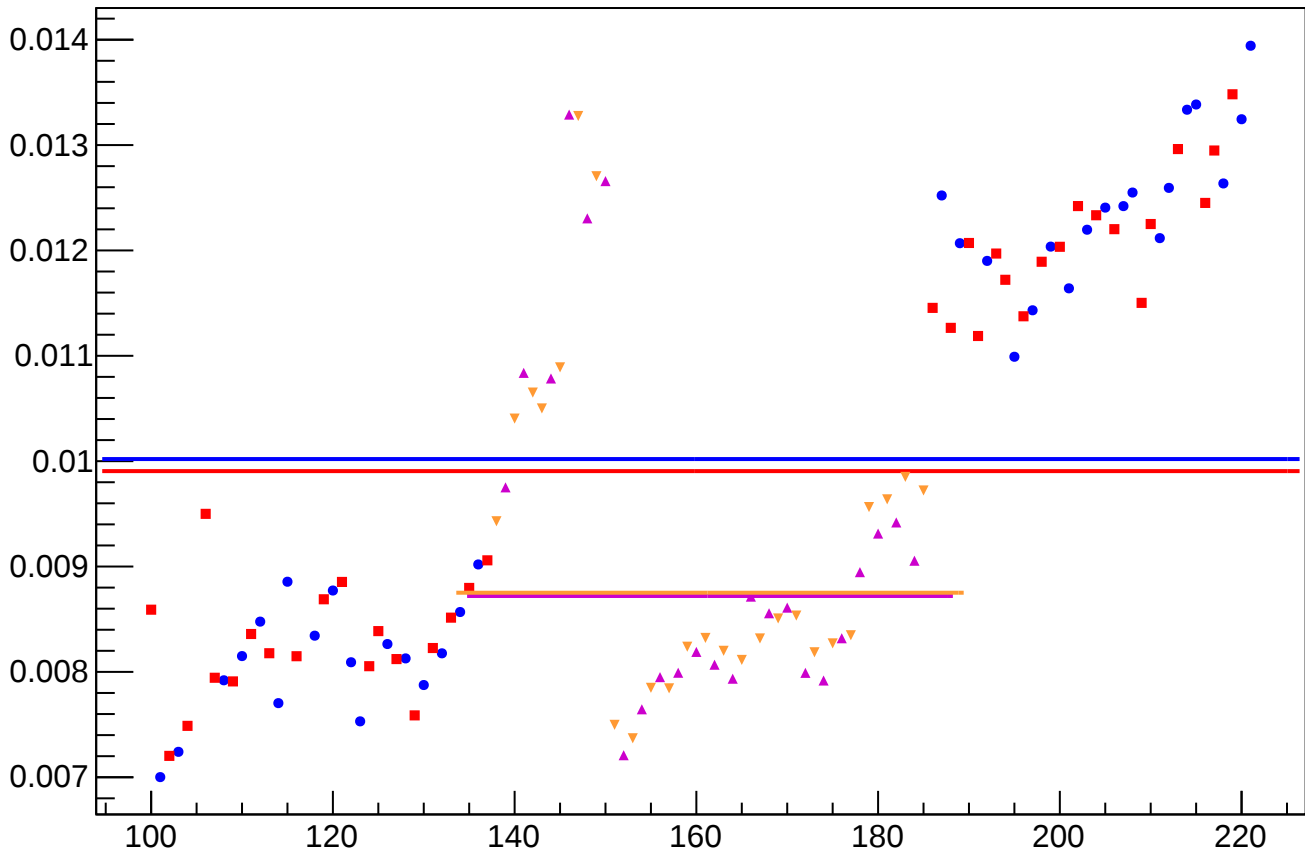
Left In: -2.382 ± 0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.898 ± 0.000 χ^2/NDF : 183393178851.4/59

All: -2.909 ± 0.000 χ^2/NDF : 350477859300.8

- sign -2.921 ± 0.000 χ^2/NDF : 166977726210.0/59

yield_bpm0i02Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1854382.0/34

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:663672.8/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1547031.4/36

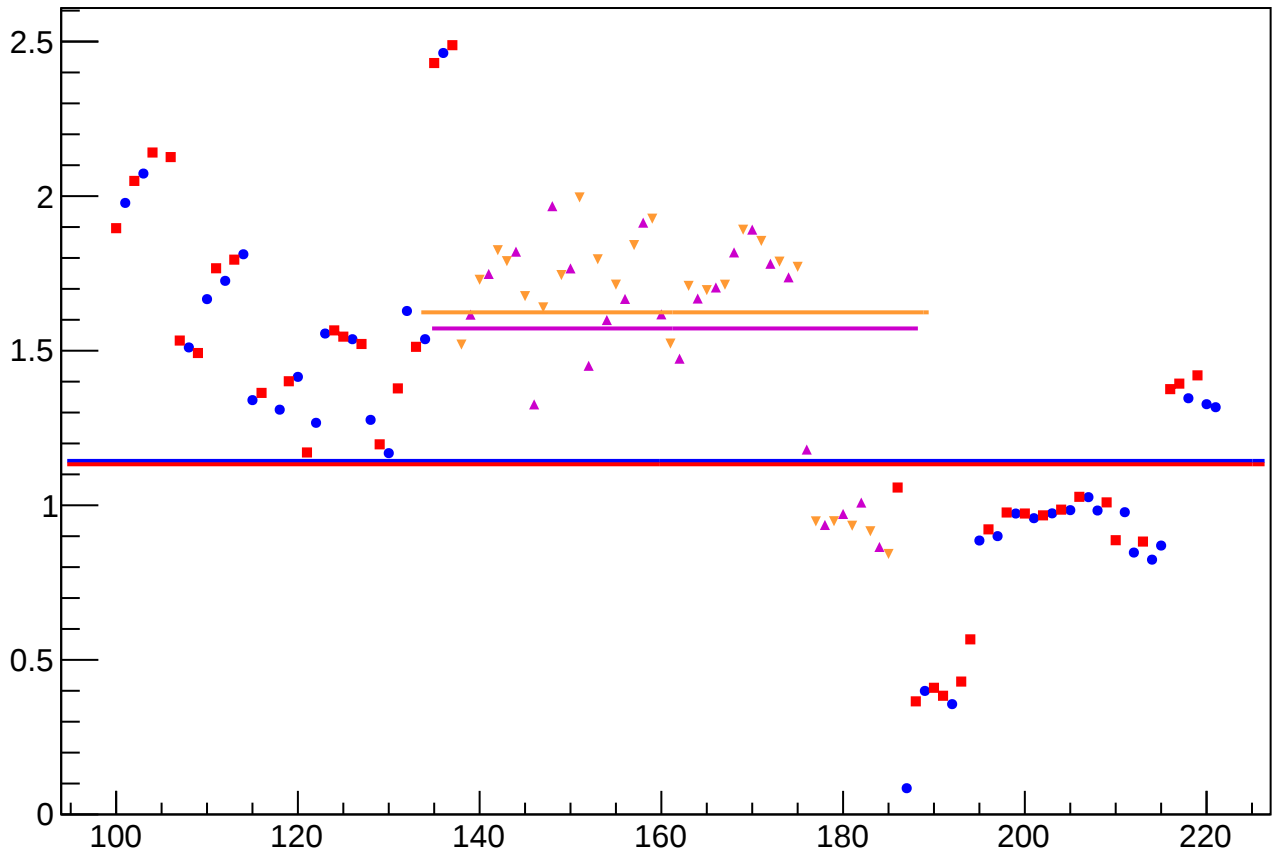
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:747867.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2845337.6/59

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 5420578.7/119

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2574137.4/59

yield_bpm0i02aX_mean vs Slug



Right In: 1.144 ± 0.000 $\chi^2/\text{NDF}: 29341940484.4/34$

Left Out: 1.624 ± 0.000 $\chi^2/\text{NDF}: 16631112386.4/24$

Right Out: 1.133 ± 0.000 $\chi^2/\text{NDF}: 34094940967.6/36$

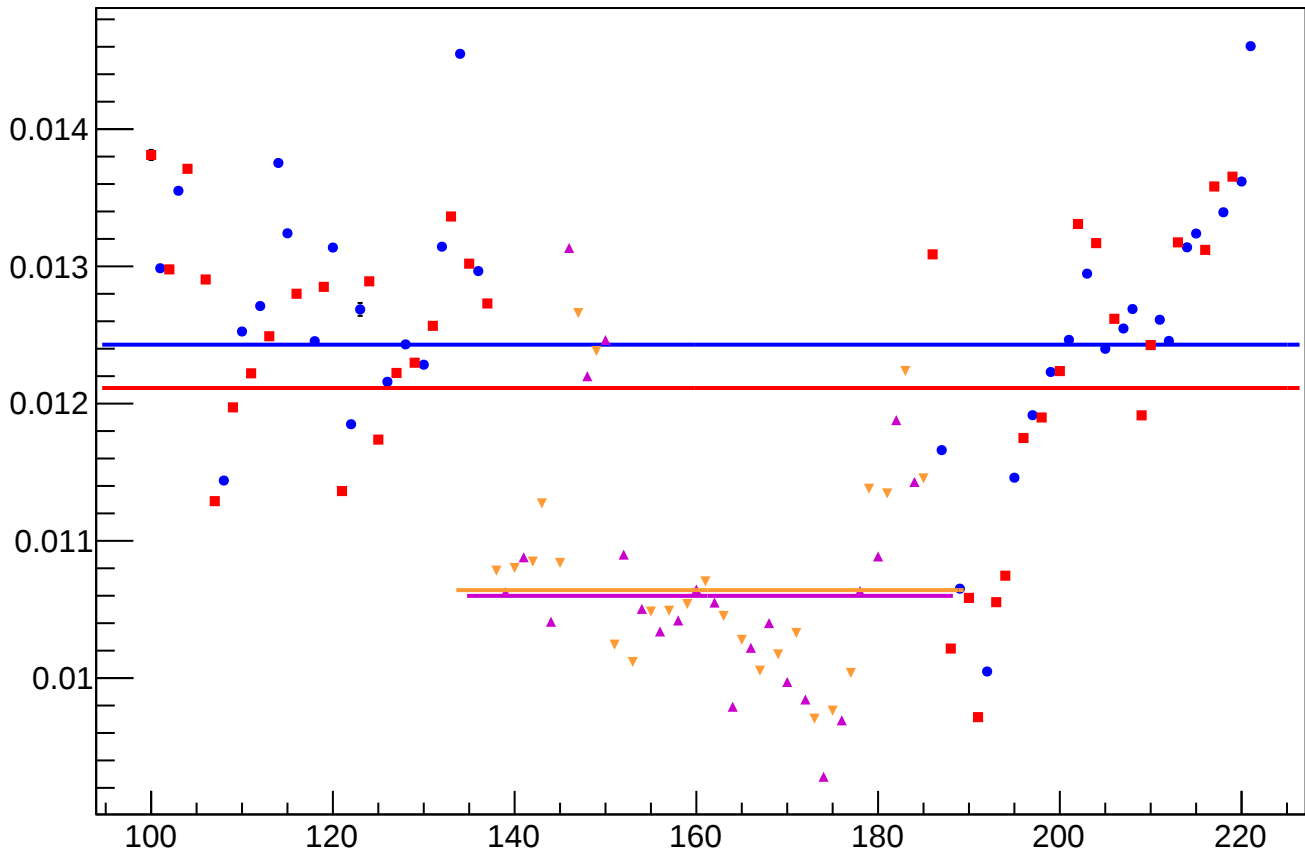
Left In: 1.572 ± 0.000 $\chi^2/\text{NDF}: 14230484809.4/22$

+ sign 1.410 ± 0.000 $\chi^2/\text{NDF}: 62043269666.1/59$

All: 1.389 ± 0.000 $\chi^2/\text{NDF}: 123903022286.8$

- sign 1.367 ± 0.000 $\chi^2/\text{NDF}: 61608503985.2/59$

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 252067.3/34

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 295616.5/36

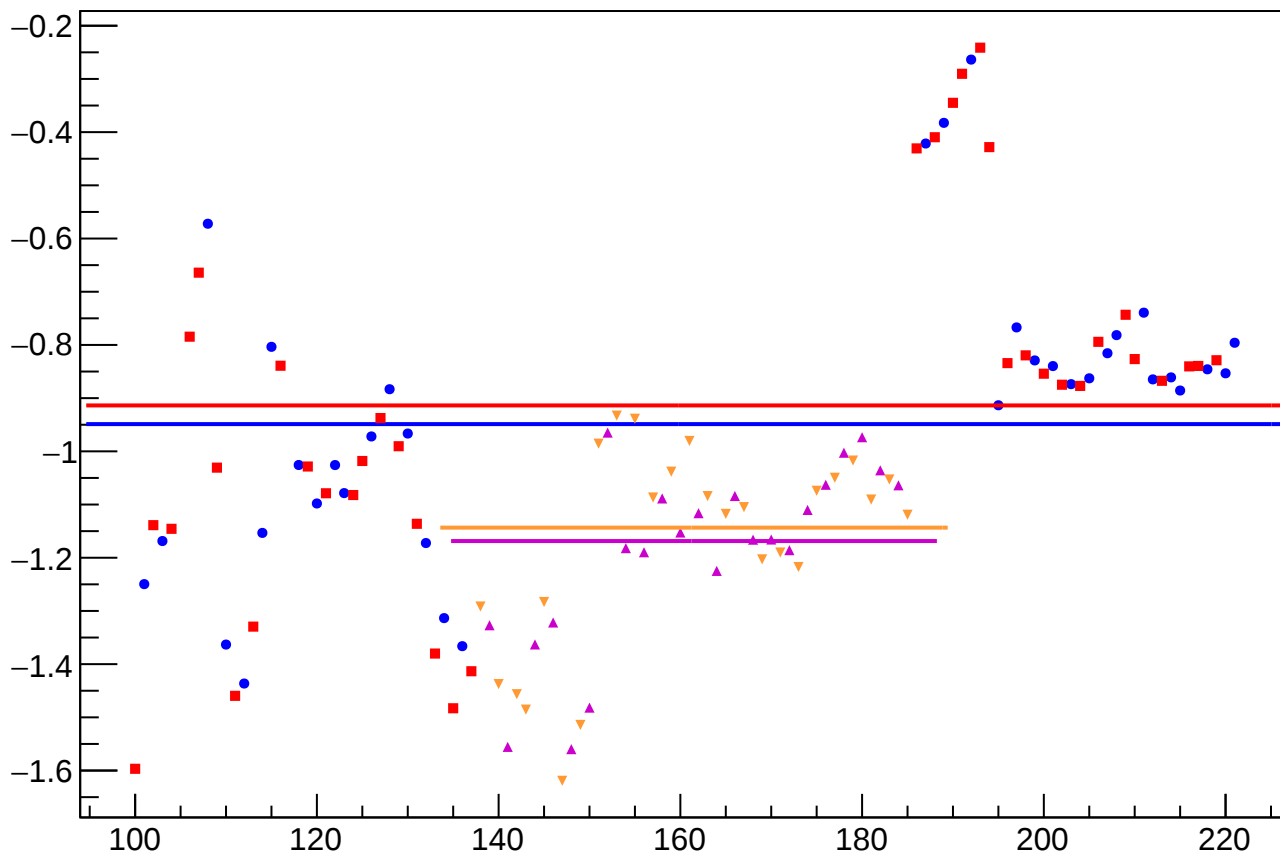
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 857046.0/59

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1677927.6/119

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 815872.6/59

yield_bpm0i02aY_mean vs Slug



Right In: -0.949 ± 0.000 $\chi^2/\text{NDF}: 11687467359.5/34$

Left Out: -1.143 ± 0.000 $\chi^2/\text{NDF}: 7976364534.0/24$

Right Out: -0.914 ± 0.000 $\chi^2/\text{NDF}: 16168541873.8/36$

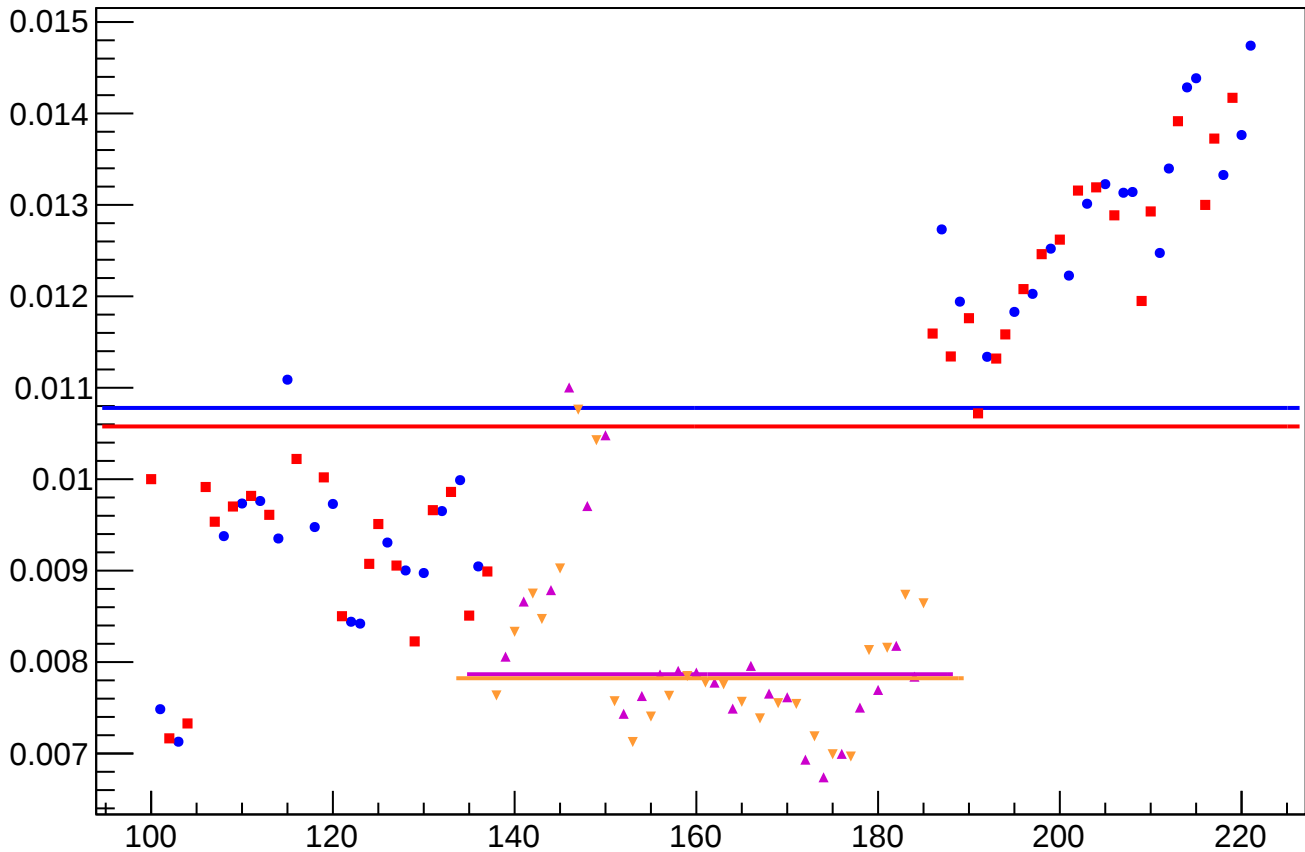
Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

+ sign -1.073 ± 0.000 $\chi^2/\text{NDF}: 23517605212.5/59$

All: -1.072 ± 0.000 $\chi^2/\text{NDF}: 52570457635.2$

- sign -1.071 ± 0.000 $\chi^2/\text{NDF}: 29052245311.6/59$

yield_bpm0i02aY_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 1608585.4/34

Left Out: 0.008+/-0.000 χ^2/NDF : 336387.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 1348177.3/36

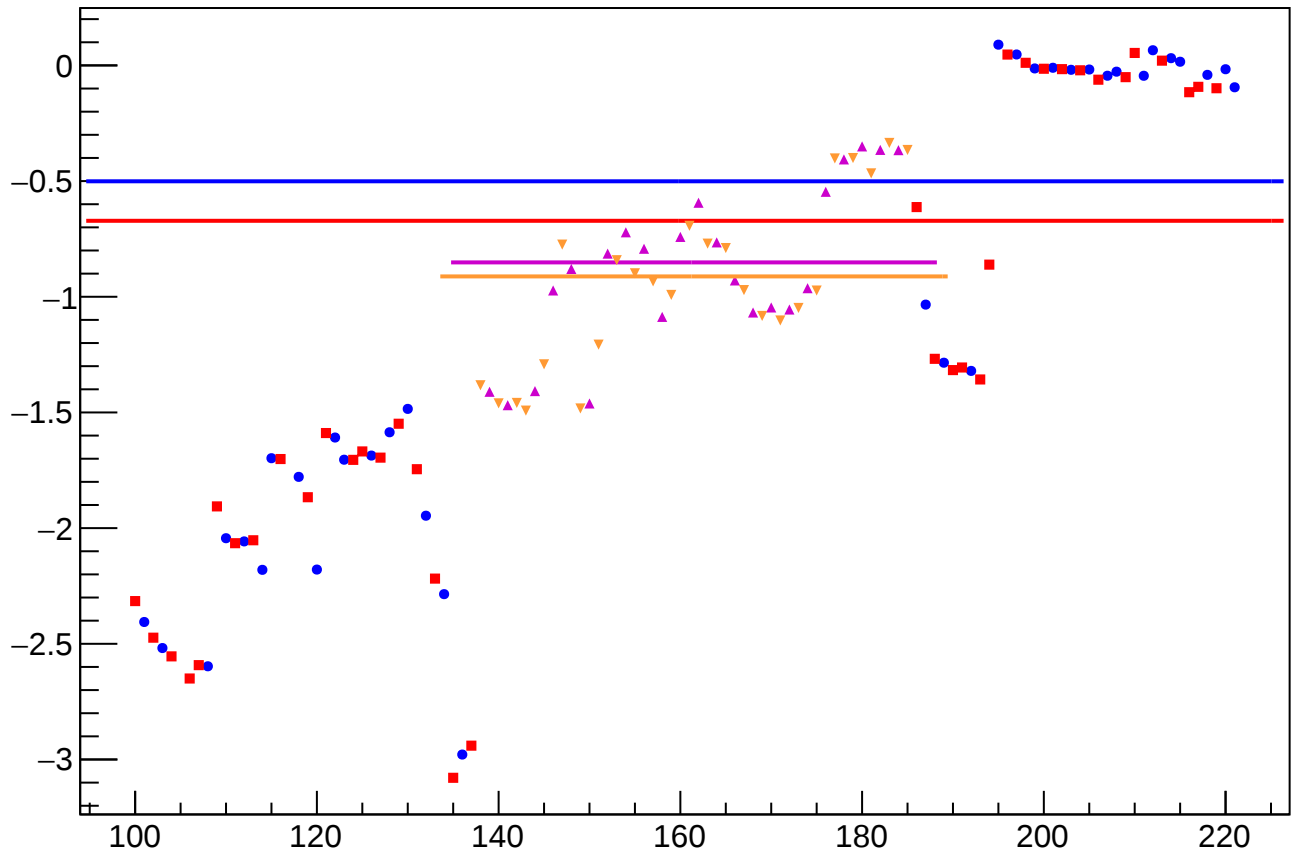
Left In: 0.008+/-0.000 χ^2/NDF : 379901.3/22

+ sign 0.009+/-0.000 χ^2/NDF : 3723886.2/59

All: 0.009+/-0.000 χ^2/NDF : 6926115.8/119

- sign 0.009+/-0.000 χ^2/NDF : 3202210.1/59

yield_bpm0i05X_mean vs Slug



Right In: -0.501+/-0.000 χ^2 /NDF: 422754275947.2/34

Left Out: -0.912+/-0.000 χ^2 /NDF: 49039425818.1/24

Right Out: -0.672+/-0.000 χ^2 /NDF: 445701793992.8/36

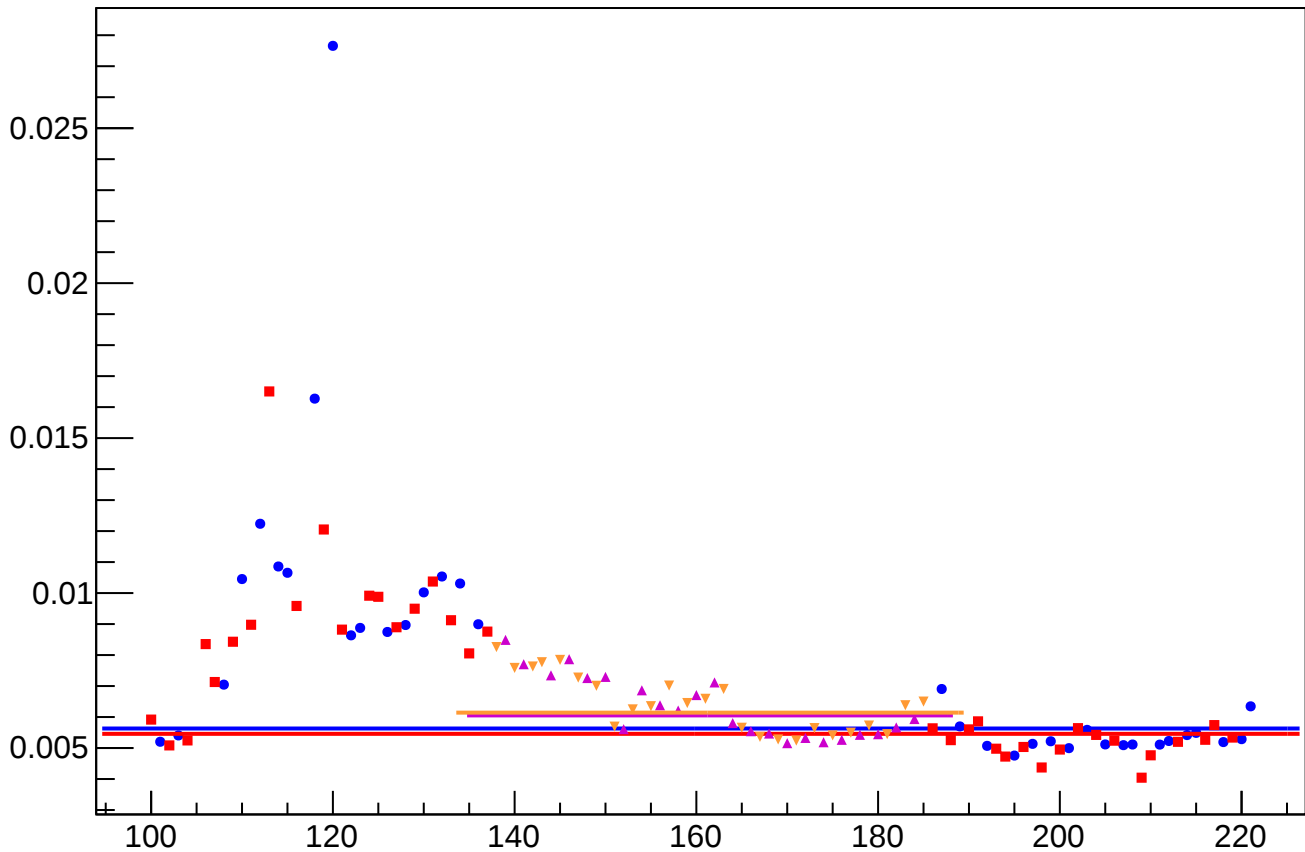
Left In: -0.851+/-0.000 χ^2 /NDF: 46438446008.2/22

+ sign -0.689+/-0.000 χ^2 /NDF: 512706794579.9/59

All: -0.720+/-0.000 χ^2 /NDF: 1014625289693

- sign -0.751+/-0.000 χ^2 /NDF: 500016556444.1/59

yield_bpm0i05X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 2098127.1/34

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:637765.4/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 2135887.9/36

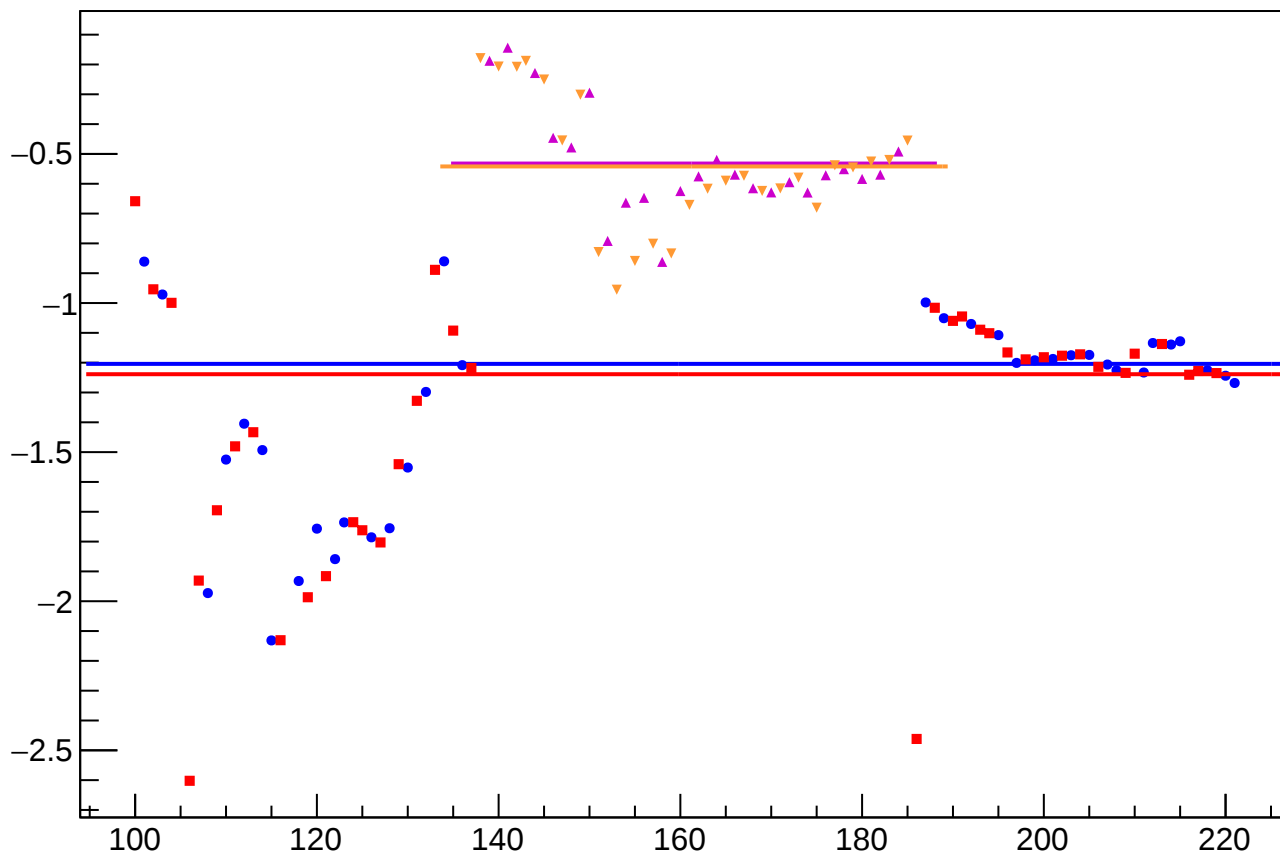
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:697577.8/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2862952.3/59

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 5889042.4/119

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 3005724.9/59

yield_bpm0i05Y_mean vs Slug



Right In: -1.204 $\pm$ 0.000 χ^2 /NDF: 27166375041.3/34

Left Out: -0.542 $\pm$ 0.000 χ^2 /NDF: 47268284910.3/24

Right Out: -1.239 $\pm$ 0.000 χ^2 /NDF: 79547115749.9/36

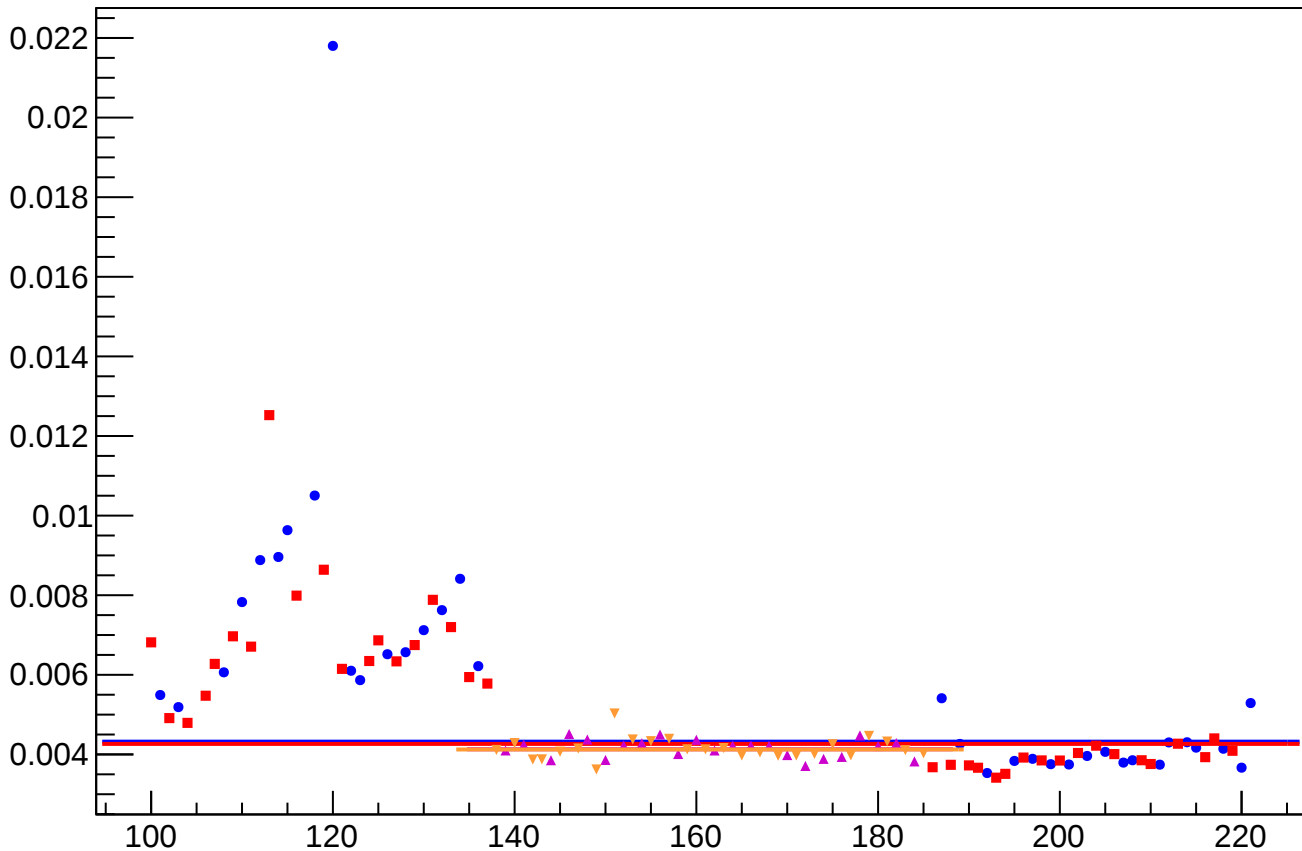
Left In: -0.532 $\pm$ 0.000 χ^2 /NDF: 30715235426.8/22

+ sign -0.856 $\pm$ 0.000 χ^2 /NDF: 280839170384.7/59

All: -0.868 $\pm$ 0.000 χ^2 /NDF: 621206622436.7

- sign -0.879 $\pm$ 0.000 χ^2 /NDF: 339871937739.9/59

yield_bpm0i05Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2174588.5/34

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:113033.9/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1902350.3/36

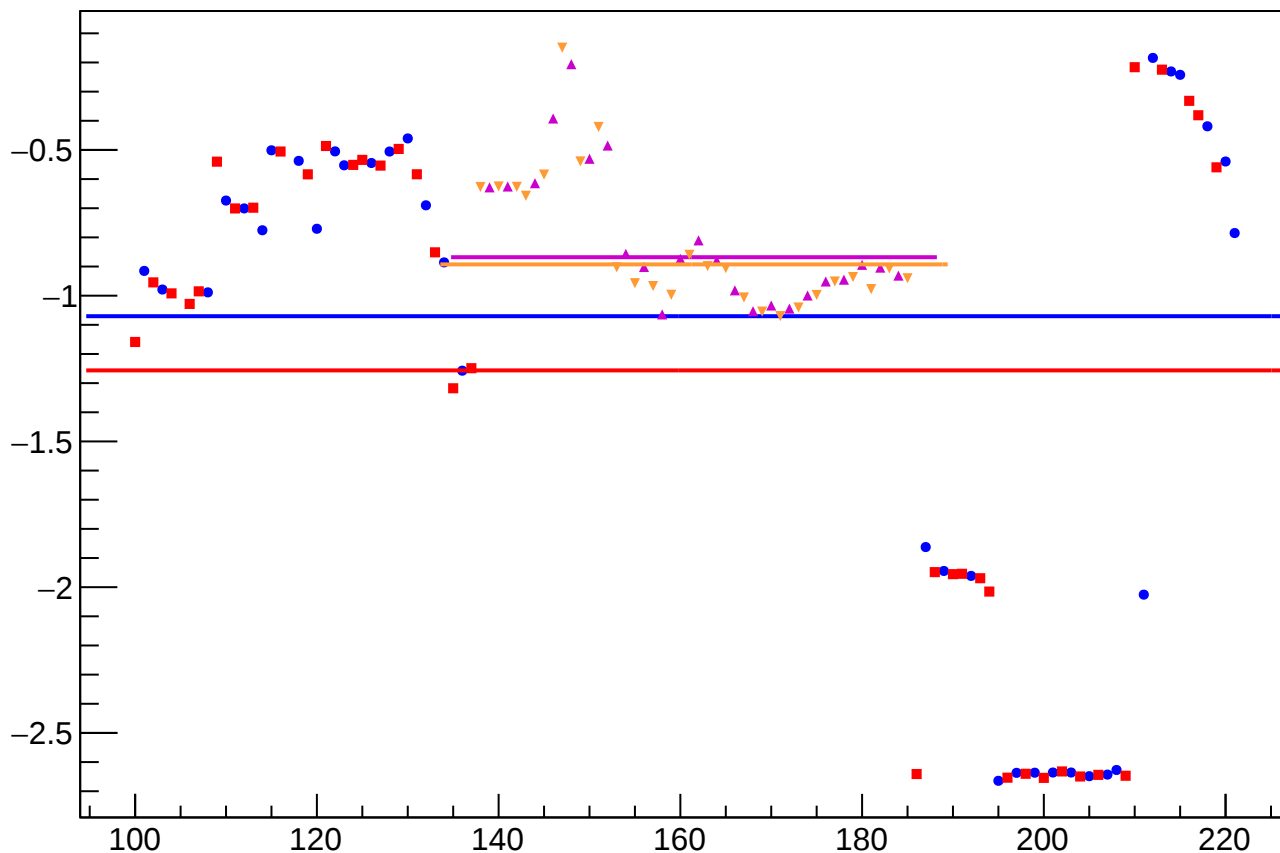
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:93111.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2323874.2/59

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4336947.8/119

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2012206.2/59

yield_bpm0i07X_mean vs Slug



Right In: -1.070 ± 0.000 χ^2/NDF : 588441028080.6/34

Left Out: -0.893 ± 0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.256 ± 0.000 χ^2/NDF : 700344763819.6/36

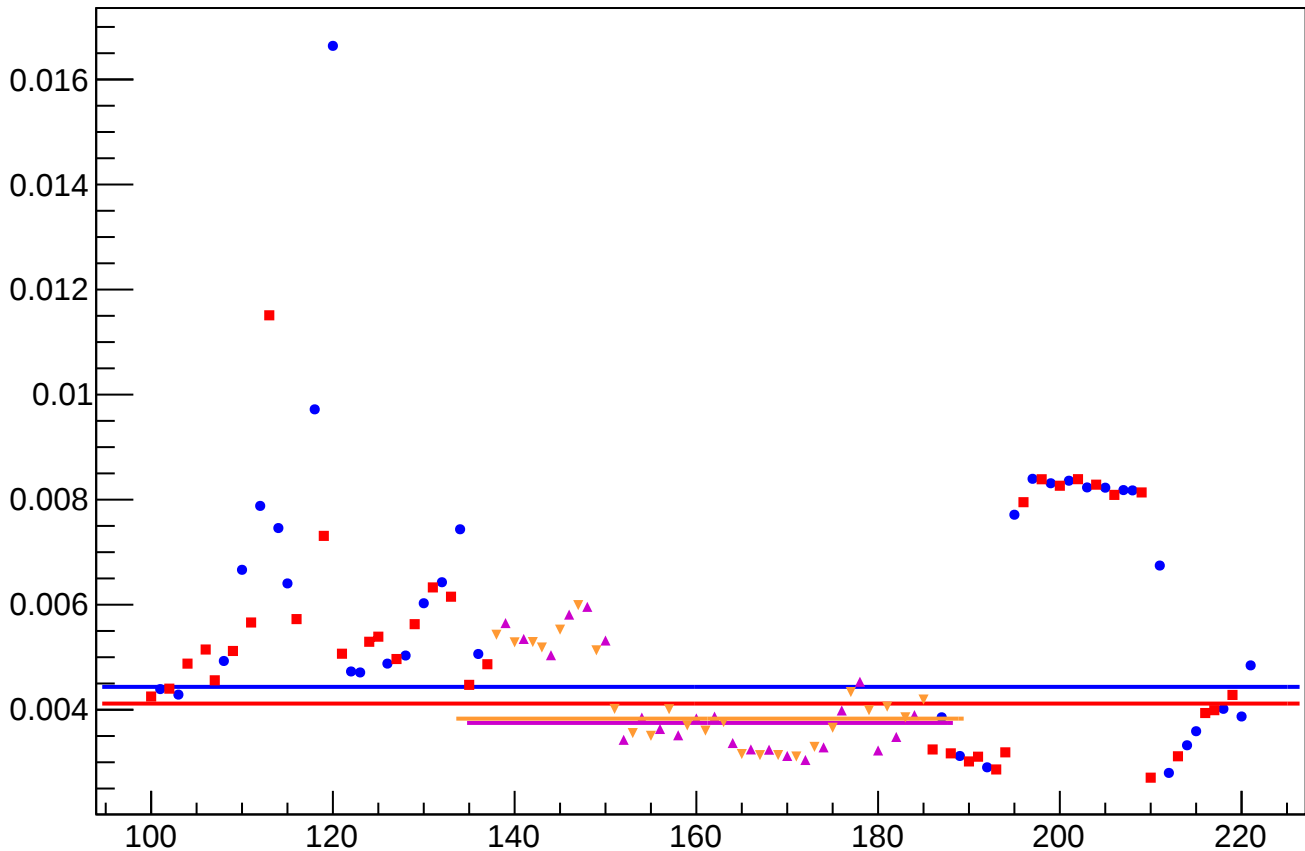
Left In: -0.868 ± 0.000 χ^2/NDF : 43853190177.2/22

+ sign -0.967 ± 0.000 χ^2/NDF : 644169195171.0/59

All: -1.007 ± 0.000 χ^2/NDF : 1471109623018

- sign -1.045 ± 0.000 χ^2/NDF : 820923237226.7/59

yield_bpm0i07X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 5126802.4/34

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 4719416.0/36

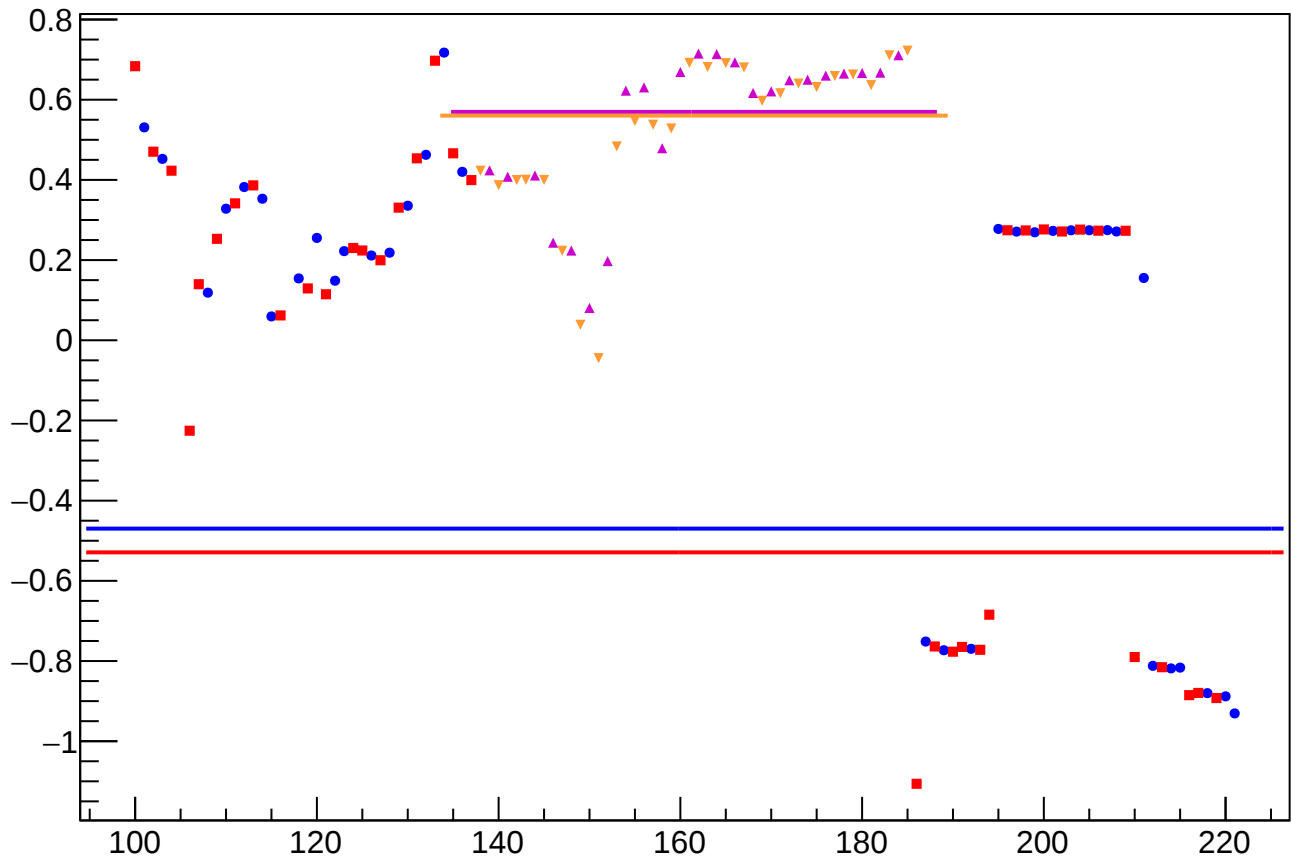
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6652518.0/59

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12854809.2/119

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6146023.5/59

yield_bpm0i07Y_mean vs Slug



Right In: -0.470 $\pm$ 0.000 χ^2 /NDF: 601217607629.7/34

Left Out: 0.560 $\pm$ 0.000 χ^2 /NDF: 45205806387.2/24

Right Out: -0.529 $\pm$ 0.000 χ^2 /NDF: 627124633821.1/36

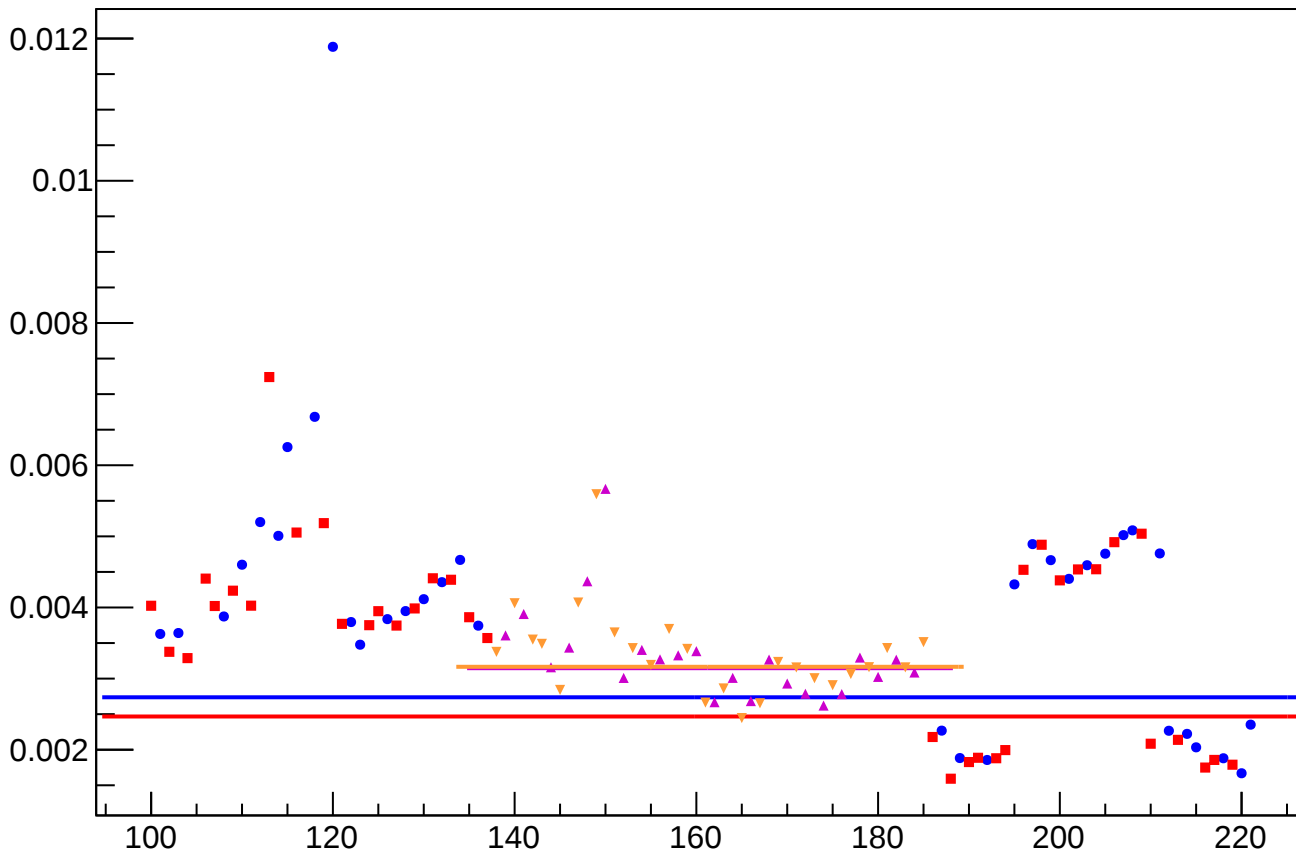
Left In: 0.570 $\pm$ 0.000 χ^2 /NDF: 42104067973.0/22

+ sign -0.016 $\pm$ 0.000 χ^2 /NDF: 1607325801856.8/5

All: -0.061 $\pm$ 0.000 χ^2 /NDF: 3442006669092

- sign -0.103 $\pm$ 0.000 χ^2 /NDF: 1820186407257.1/5

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 5832253.0/34

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.002+/-0.000 χ^2/NDF : 5804421.3/36

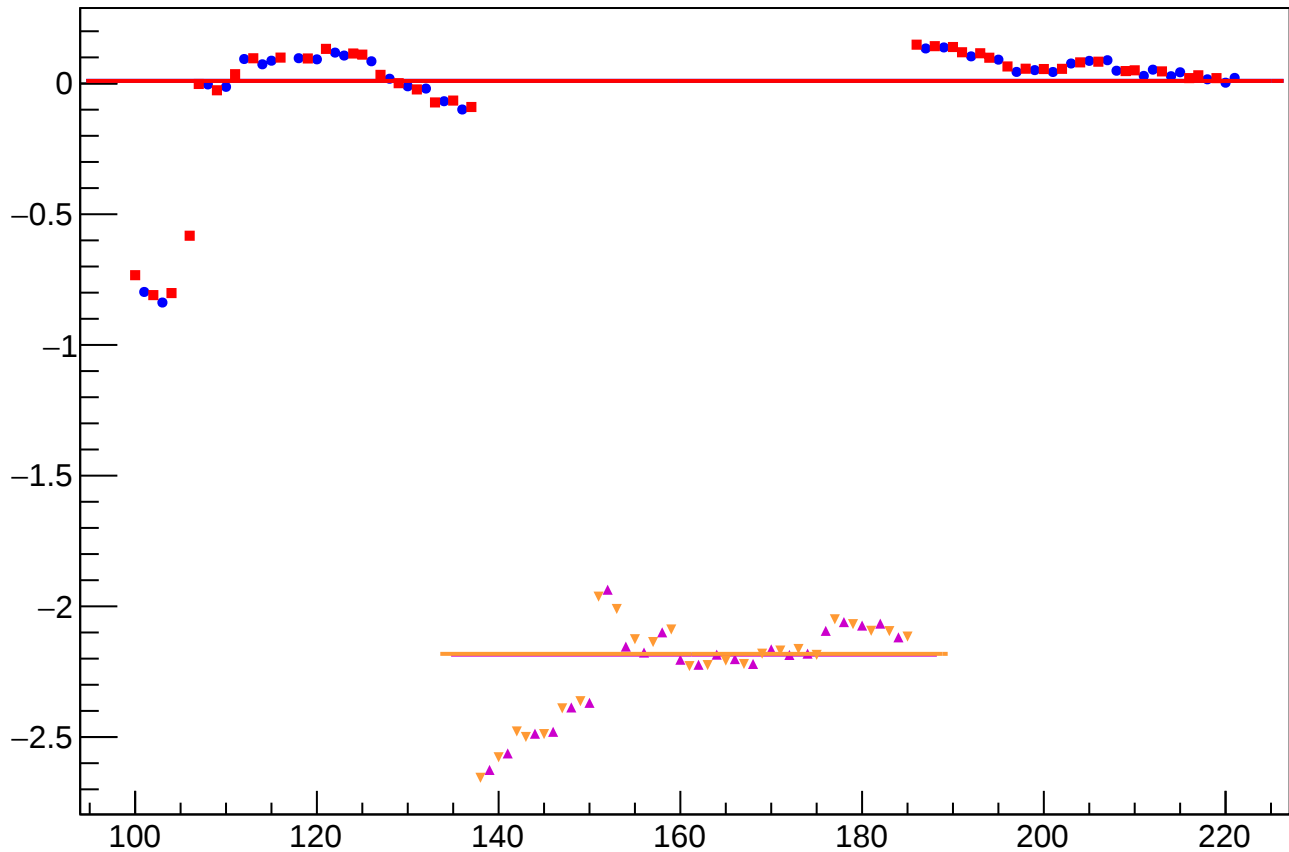
Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 6910203.8/59

All: 0.003+/-0.000 χ^2/NDF : 14457630.7/119

- sign 0.003+/-0.000 χ^2/NDF : 7400684.5/59

yield_bpm1i02X_mean vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 5918739677.6/34

Left Out: -2.182+/-0.000 χ^2/NDF : 4008829567.0/24

Right Out: 0.010+/-0.000 χ^2/NDF : 6987668240.9/36

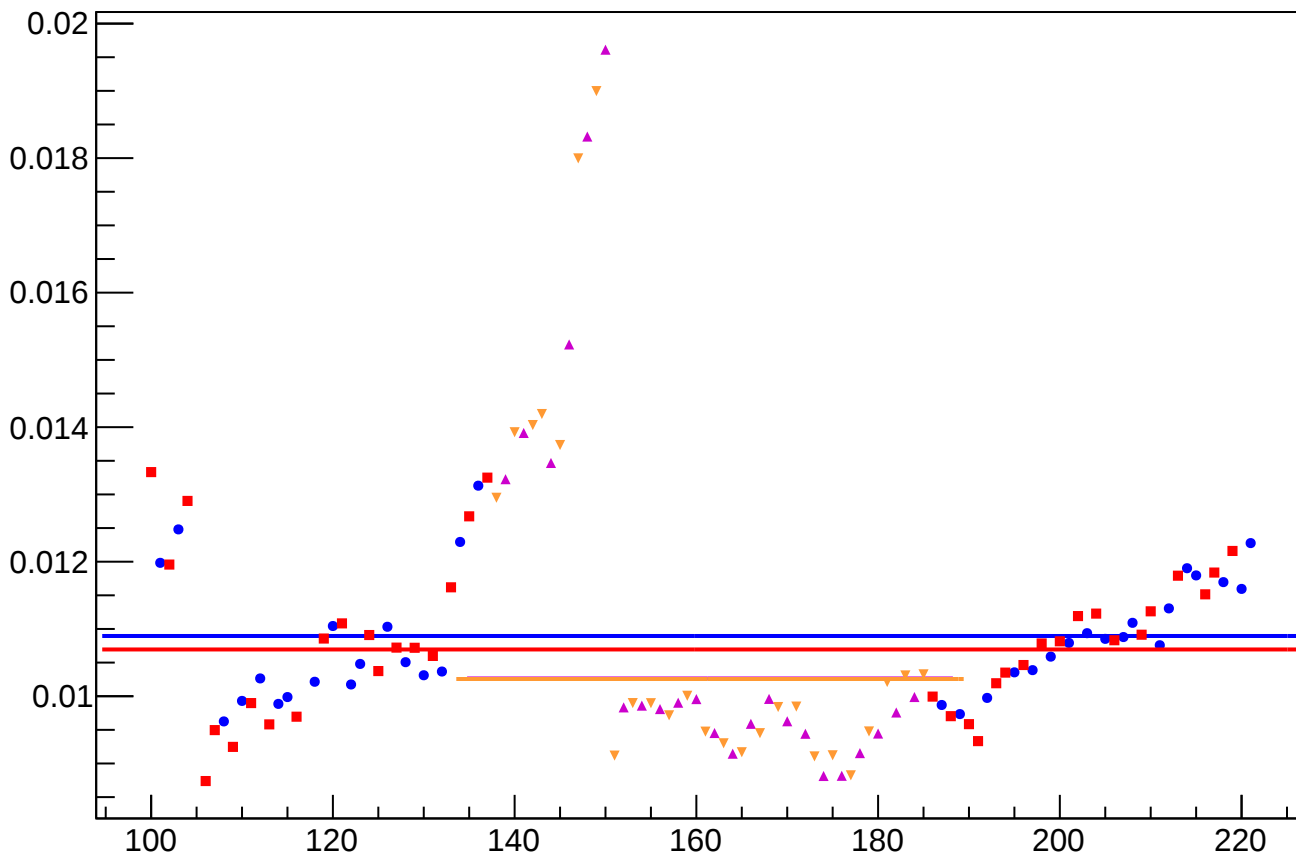
Left In: -2.185+/-0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.092+/-0.000 χ^2/NDF : 410794557399.1/59

All: -1.071+/-0.000 χ^2/NDF : 813233384833.8

- sign -1.051+/-0.000 χ^2/NDF : 402159293215.9/59

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 224204.3/34

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 295901.9/36

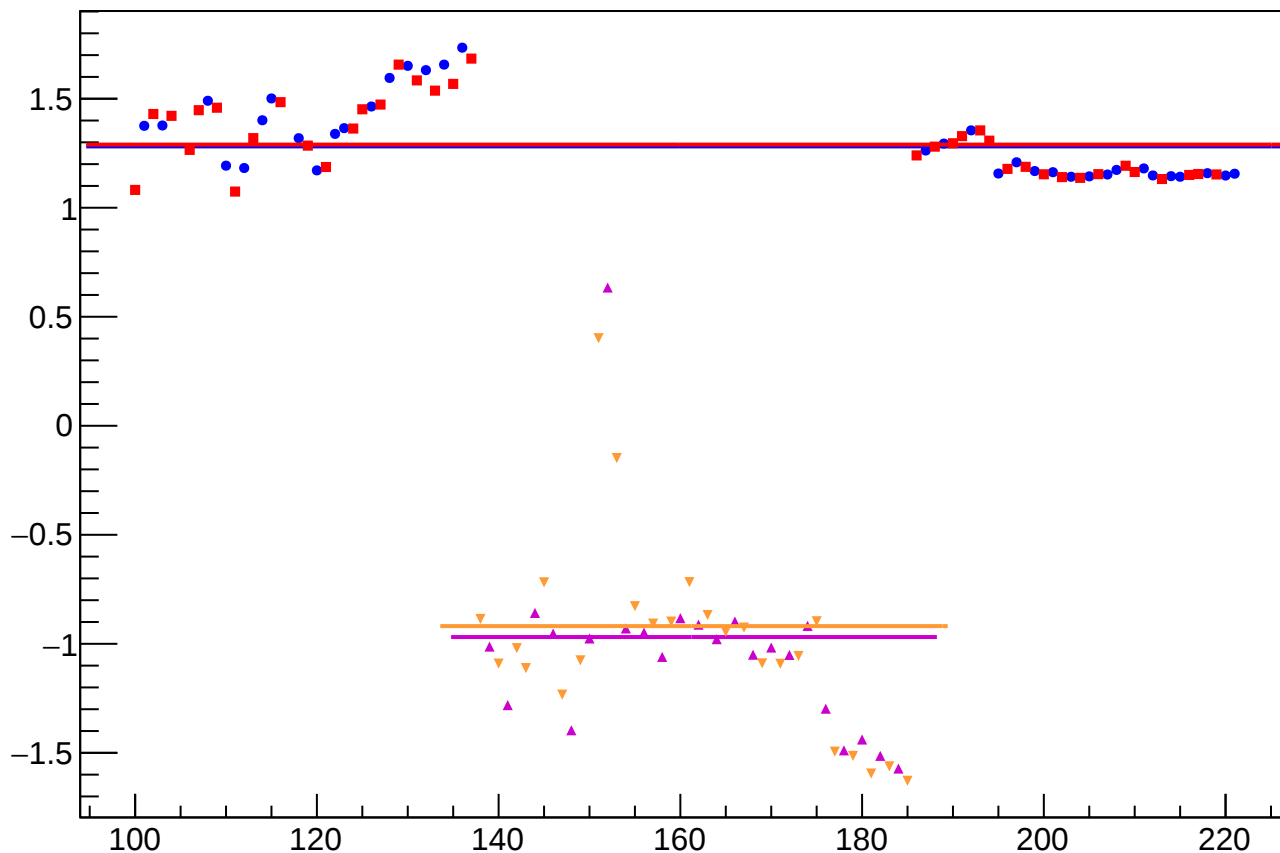
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 1563048.4/59

All: 0.011+/-0.000 χ^2/NDF : 3231891.5/119

- sign 0.010+/-0.000 χ^2/NDF : 1666347.7/59

yield_bpm1i02Y_mean vs Slug



Right In: 1.281 $\pm$ 0.000 χ^2 /NDF: 9132254782.4/34

Left Out: -0.919 $\pm$ 0.000 χ^2 /NDF: 55622252895.8/24

Right Out: 1.290 $\pm$ 0.000 χ^2 /NDF: 7108127082.9/36

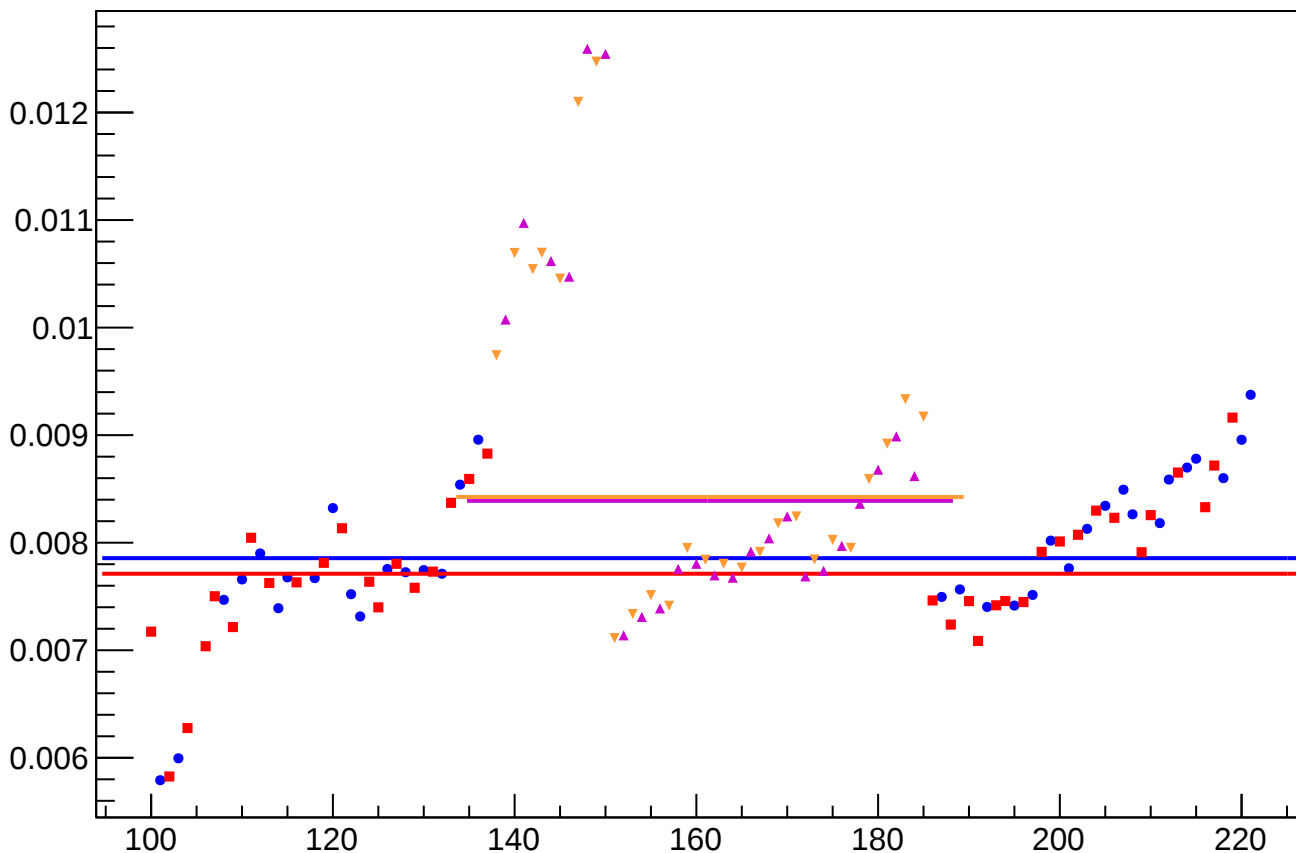
Left In: -0.969 $\pm$ 0.000 χ^2 /NDF: 54895002535.8/22

+ sign 0.308 $\pm$ 0.000 χ^2 /NDF: 745186764567.6/59

All: 0.319 $\pm$ 0.000 χ^2 /NDF: 1510196668969.

- sign 0.331 $\pm$ 0.000 χ^2 /NDF: 764860660469.3/59

yield_bpm1i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 456472.8/34

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 792337.0/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 334916.0/36

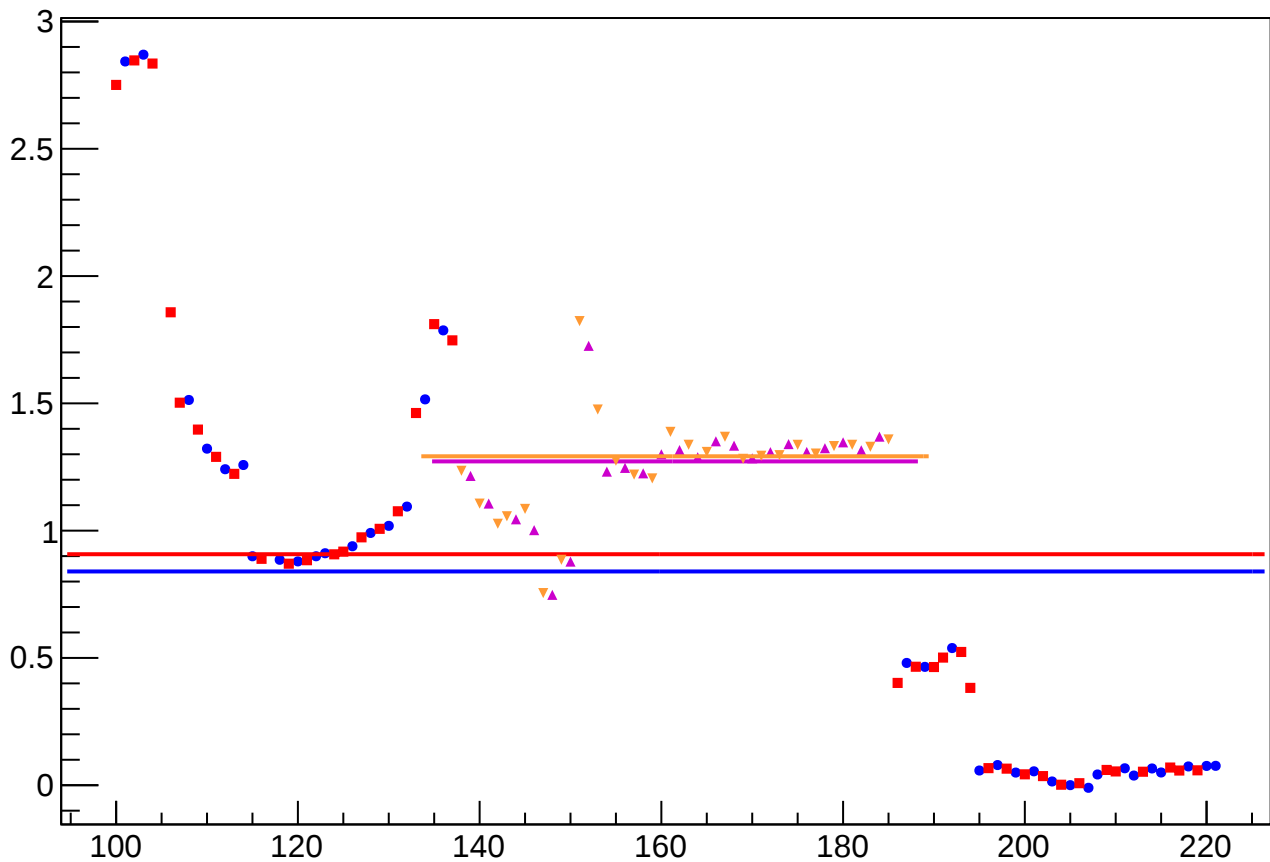
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1339889.7/59

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2648140.4/119

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1301524.9/59

yield_bpm1i04X_mean vs Slug



Right In: 0.840 $\pm$ 0.000 χ^2 /NDF: 152890430019.6/34

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

+ sign 1.072 $\pm$ 0.000 χ^2 /NDF: 188378711961.3/59

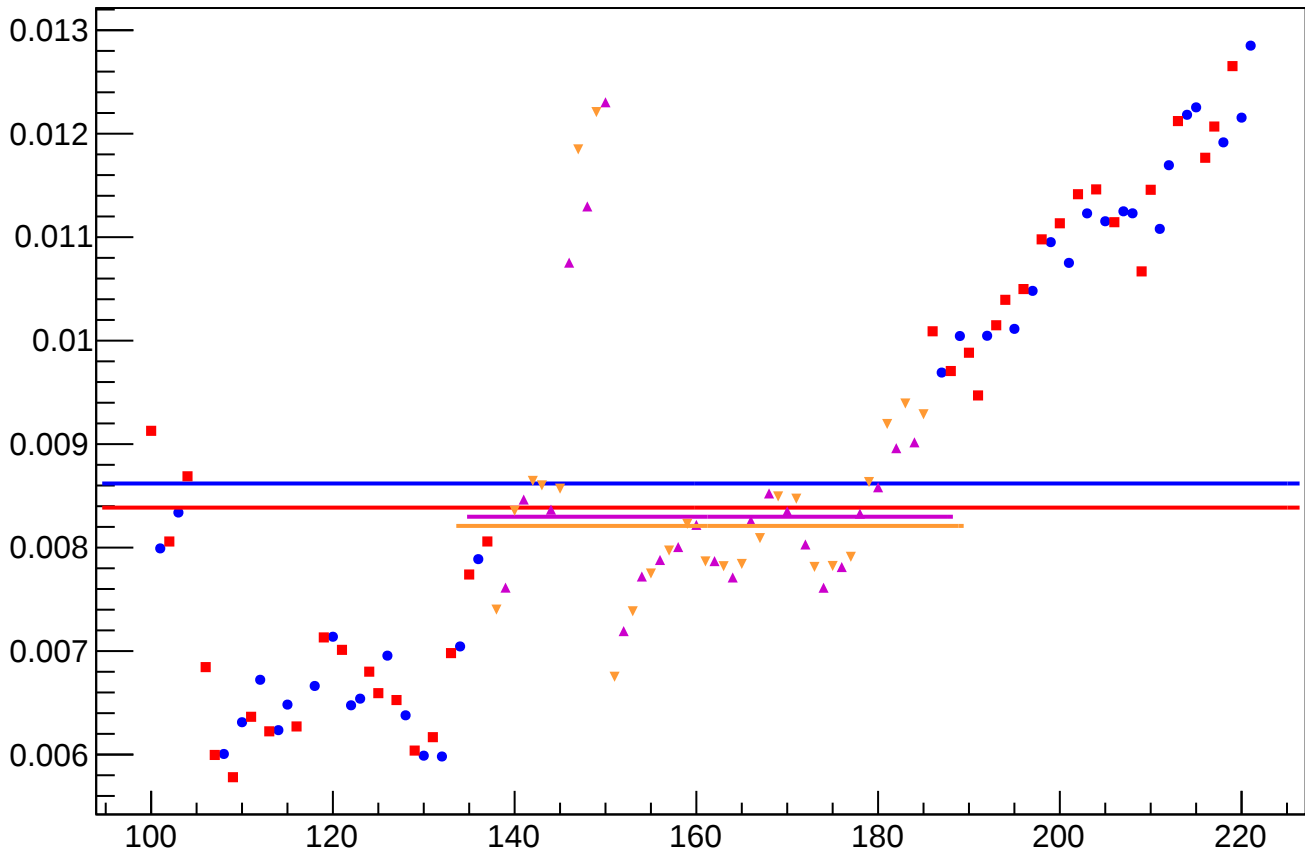
Right Out: 0.907 $\pm$ 0.000 χ^2 /NDF: 143885391023.8/36

All: 1.078 $\pm$ 0.000 χ^2 /NDF: 356542300367.7

- sign 1.084 $\pm$ 0.000 χ^2 /NDF: 168124642474.4/59

Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

yield_bpm1i04X_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 2626385.5/34

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 478864.9/24

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 2528779.4/36

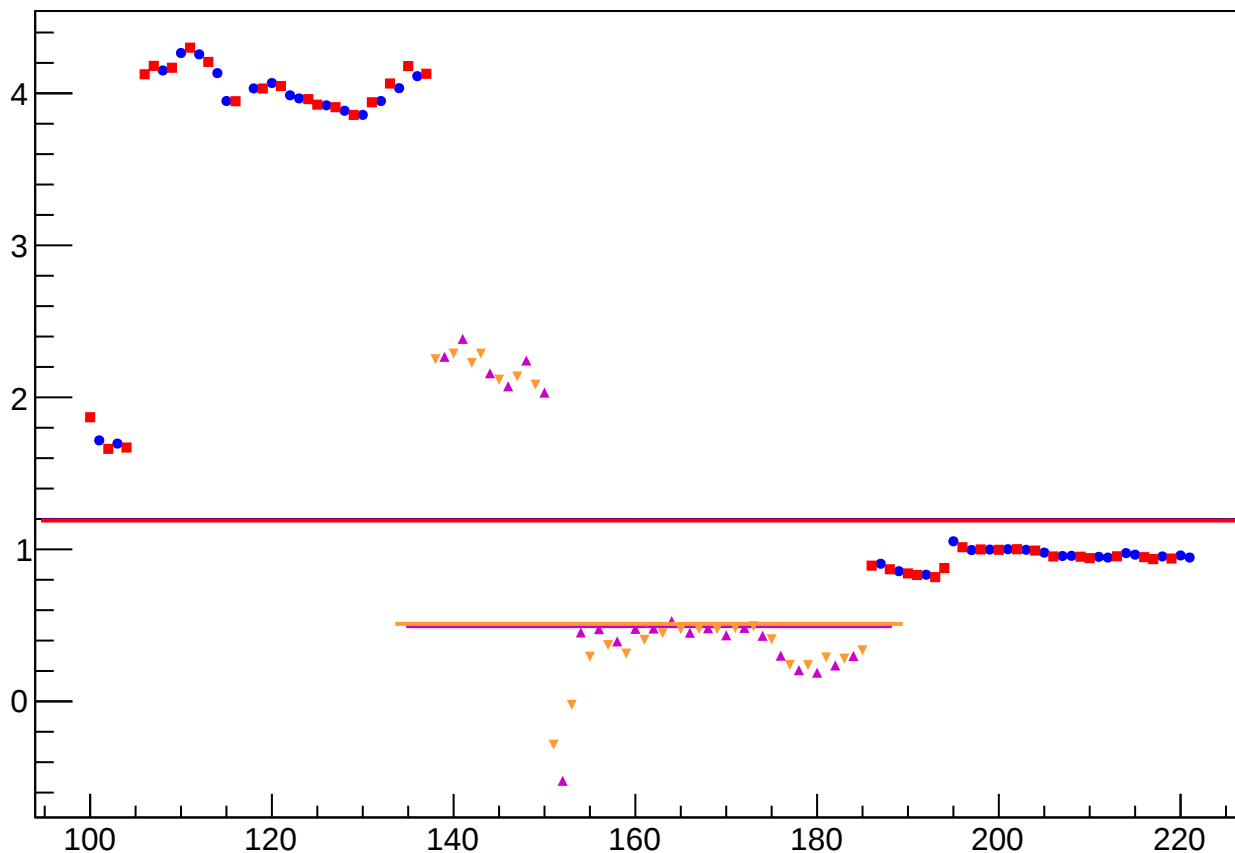
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 3148239.2/59

All: 0.008 $\pm$ 0.000 χ^2/NDF : 6143157.3/119

- sign 0.008 $\pm$ 0.000 χ^2/NDF : 2992750.2/59

yield_bpm1i04Y_mean vs Slug



Right In: 1.193 $\pm$ 0.000 χ^2 /NDF: 1559053231102.7/34

Left Out: 0.510 $\pm$ 0.000 χ^2 /NDF: 274818814912.4/24

Right Out: 1.190 $\pm$ 0.000 χ^2 /NDF: 1740677528416.0/36

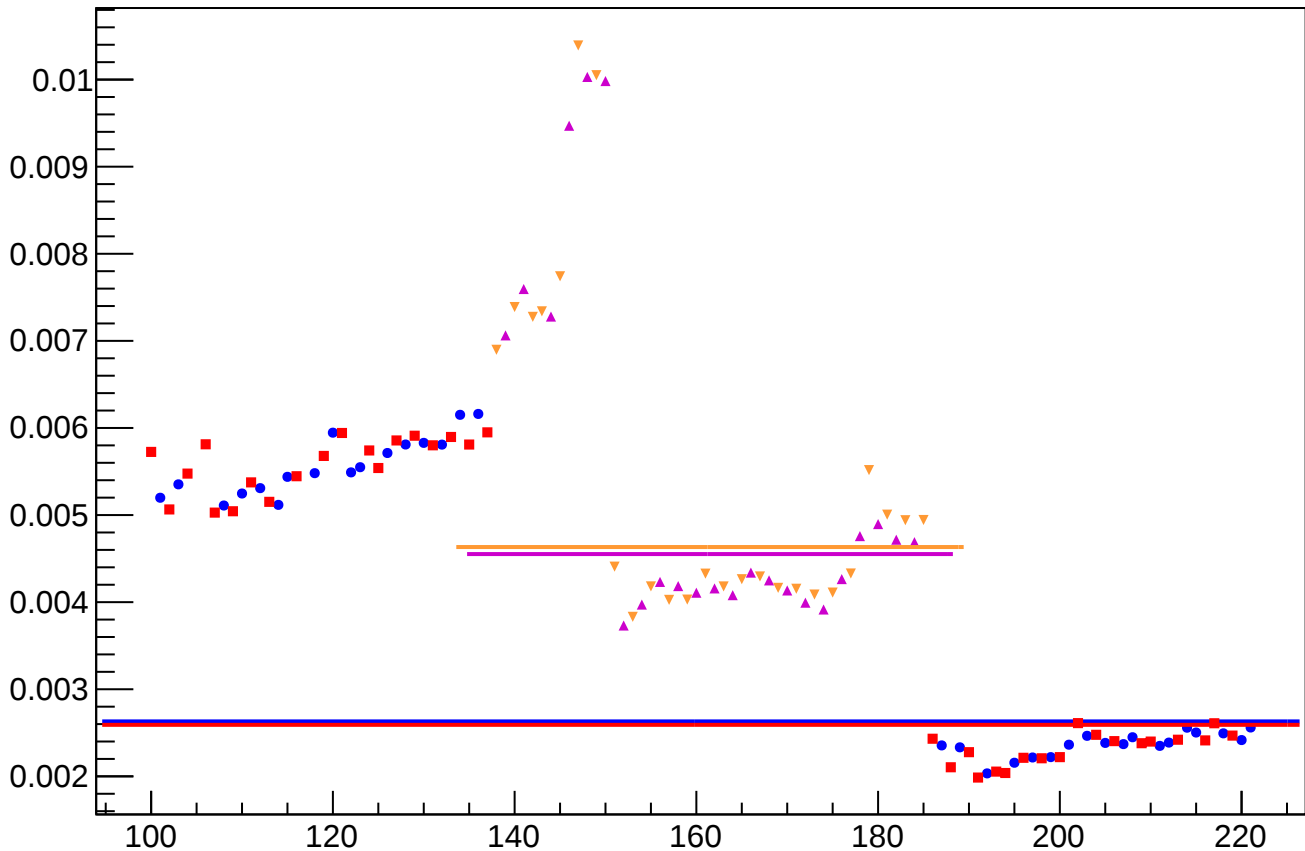
Left In: 0.495 $\pm$ 0.000 χ^2 /NDF: 268863202792.4/22

+ sign 1.028 $\pm$ 0.000 χ^2 /NDF: 2108563387135.6/59

All: 1.026 $\pm$ 0.000 χ^2 /NDF: 4396832800666.

- sign 1.024 $\pm$ 0.000 χ^2 /NDF: 2288251227163.5/59

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4210911.9/34

Left Out: 0.005+/-0.000 χ^2/NDF :2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4485704.3/36

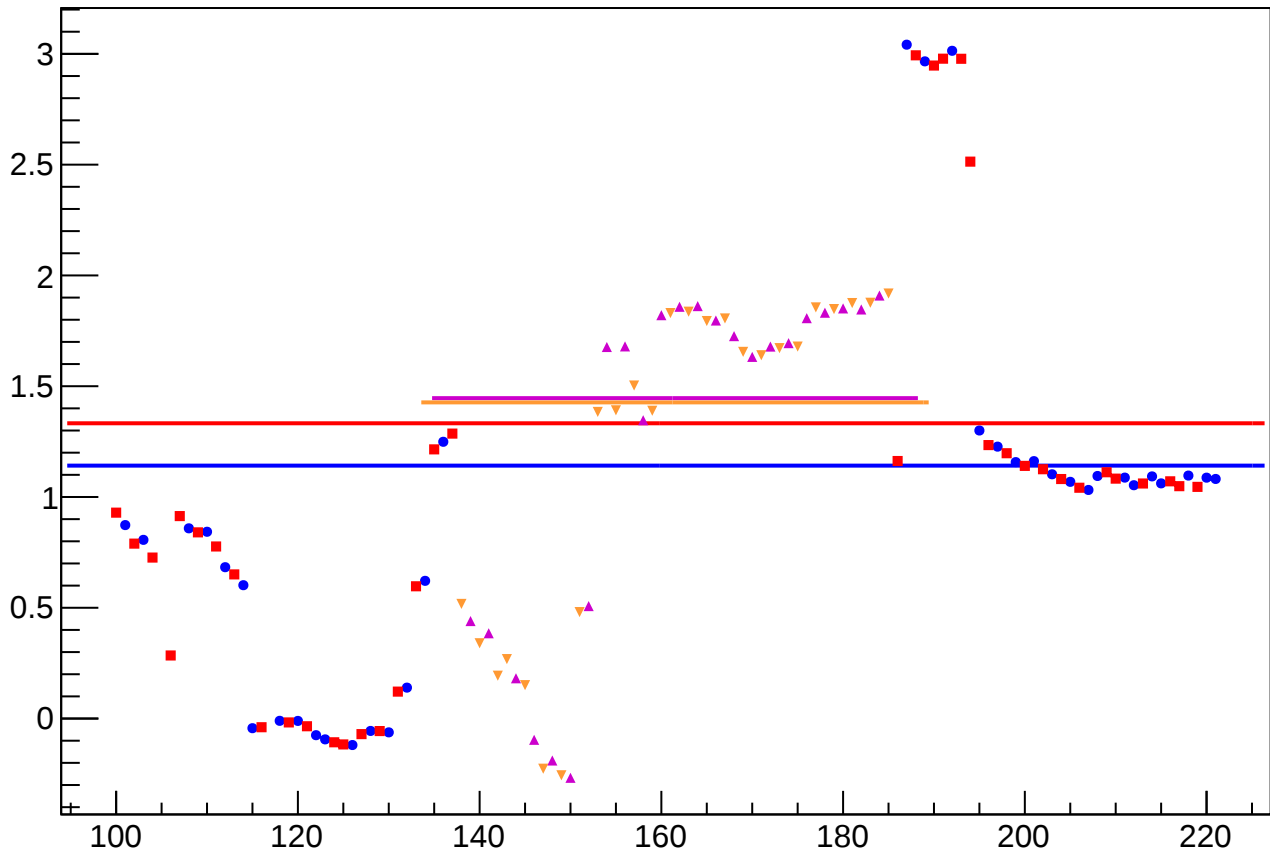
Left In: 0.005+/-0.000 χ^2/NDF :2237666.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 11044704.2/59

All: 0.003+/-0.000 χ^2/NDF : 22218550.5/119

- sign 0.003+/-0.000 χ^2/NDF : 11163393.0/59

yield_bpm1i06X_mean vs Slug



Right In: 1.142 $\pm$ 0.000 χ^2 /NDF: 72940795543.5/34

Left Out: 1.427 $\pm$ 0.000 χ^2 /NDF: 49990787038.3/24

Right Out: 1.333 $\pm$ 0.000 χ^2 /NDF: 102152121825.7/36

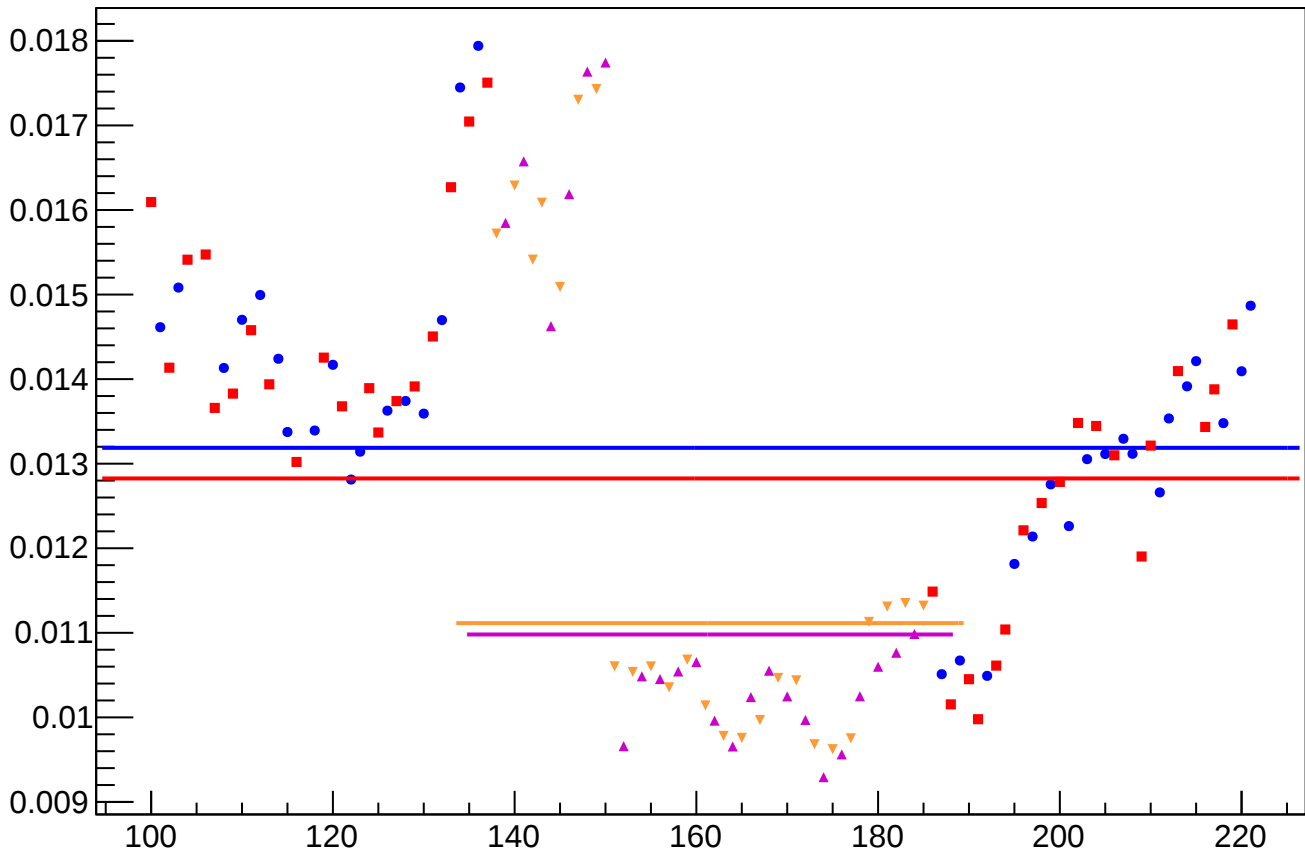
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.301 $\pm$ 0.000 χ^2 /NDF: 128034896534.3/59

All: 1.348 $\pm$ 0.000 χ^2 /NDF: 285844416205.9

- sign 1.394 $\pm$ 0.000 χ^2 /NDF: 156709857295.6/59

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 488390.2/34

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 622861.6/36

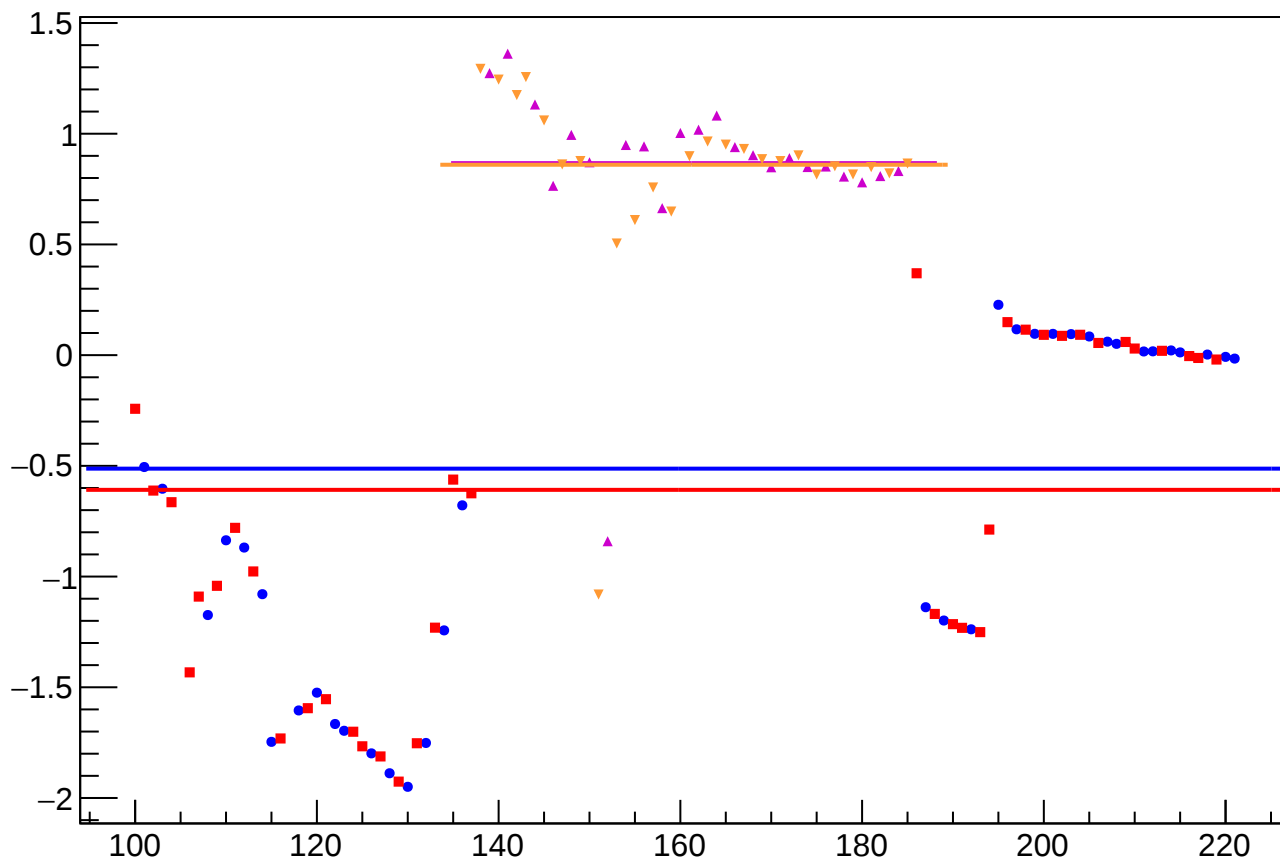
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 2254137.9/59

All: 0.012+/-0.000 χ^2/NDF : 4578834.1/119

- sign 0.012+/-0.000 χ^2/NDF : 2313862.8/59

yield_bpm1i06Y_mean vs Slug



Right In: -0.513+/-0.000 χ^2 /NDF: 211775255832.6/34

Left Out: 0.860+/-0.000 χ^2 /NDF:126335891175.4/24

Right Out: -0.608+/-0.000 χ^2 /NDF: 195383007382.3/36

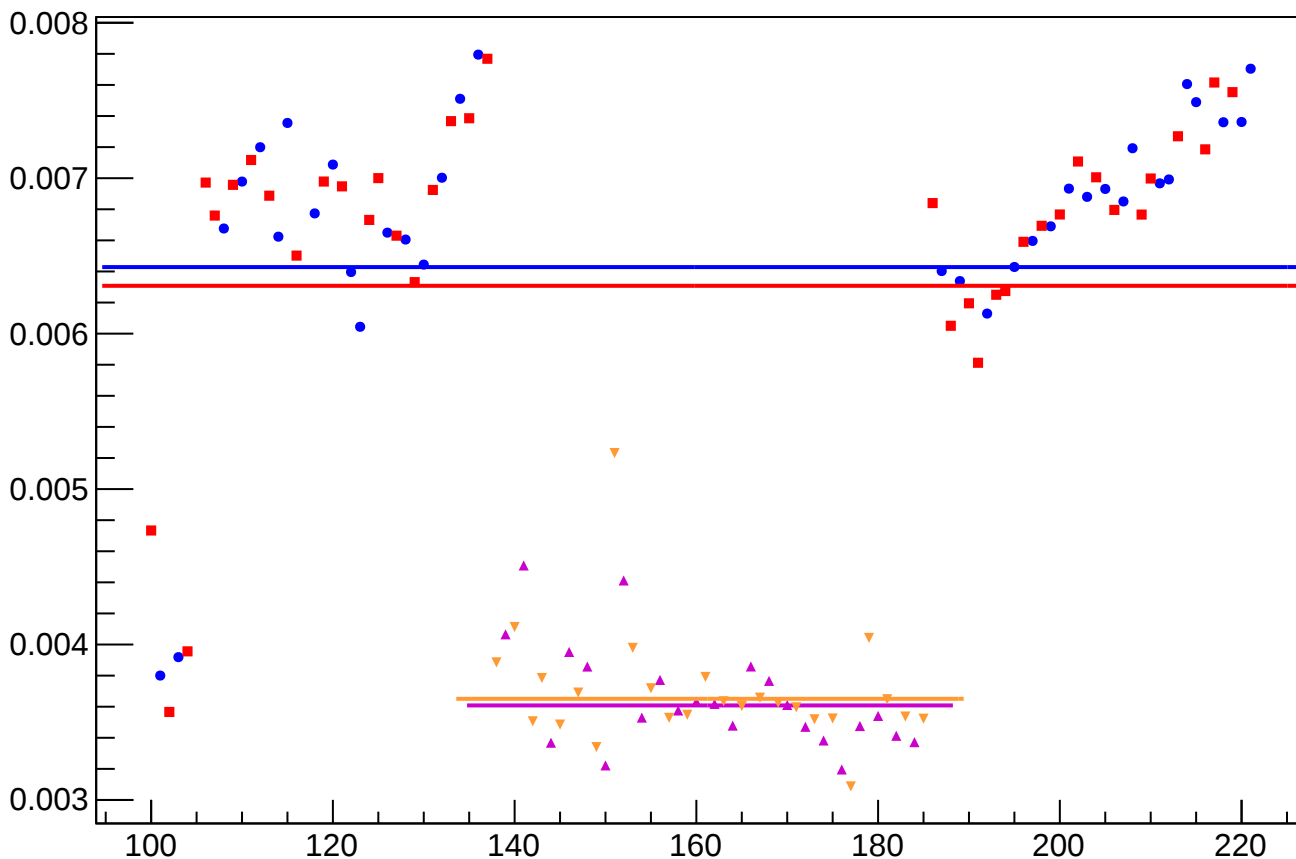
Left In: 0.867+/-0.000 χ^2 /NDF:147039402944.6/22

+ sign 0.499+/-0.000 χ^2 /NDF: 958965412132.8/59

All: 0.482+/-0.000 χ^2 /NDF: 2018841791642.

- sign 0.465+/-0.000 χ^2 /NDF: 1058900960271.7/59

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1250954.9/34

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1271155.4/36

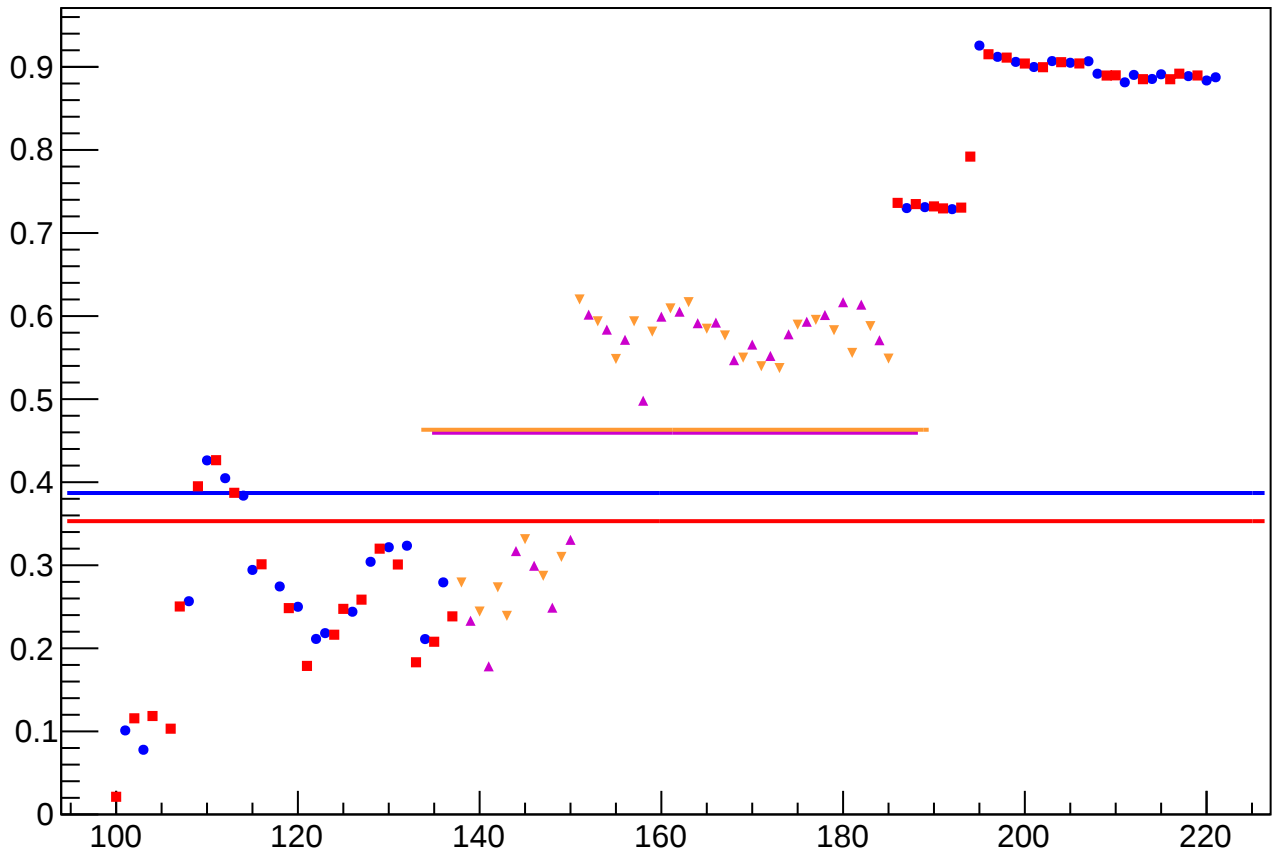
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6572963.1/59

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12870973.5/119

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6295711.5/59

yield_bpm2i01X_mean vs Slug



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 221852534947.9/34

Left Out: 0.463 $\pm$ 0.000 χ^2 /NDF:102506270538.7/24

+ sign 0.433 $\pm$ 0.000 χ^2 /NDF: 335079741126.6/59

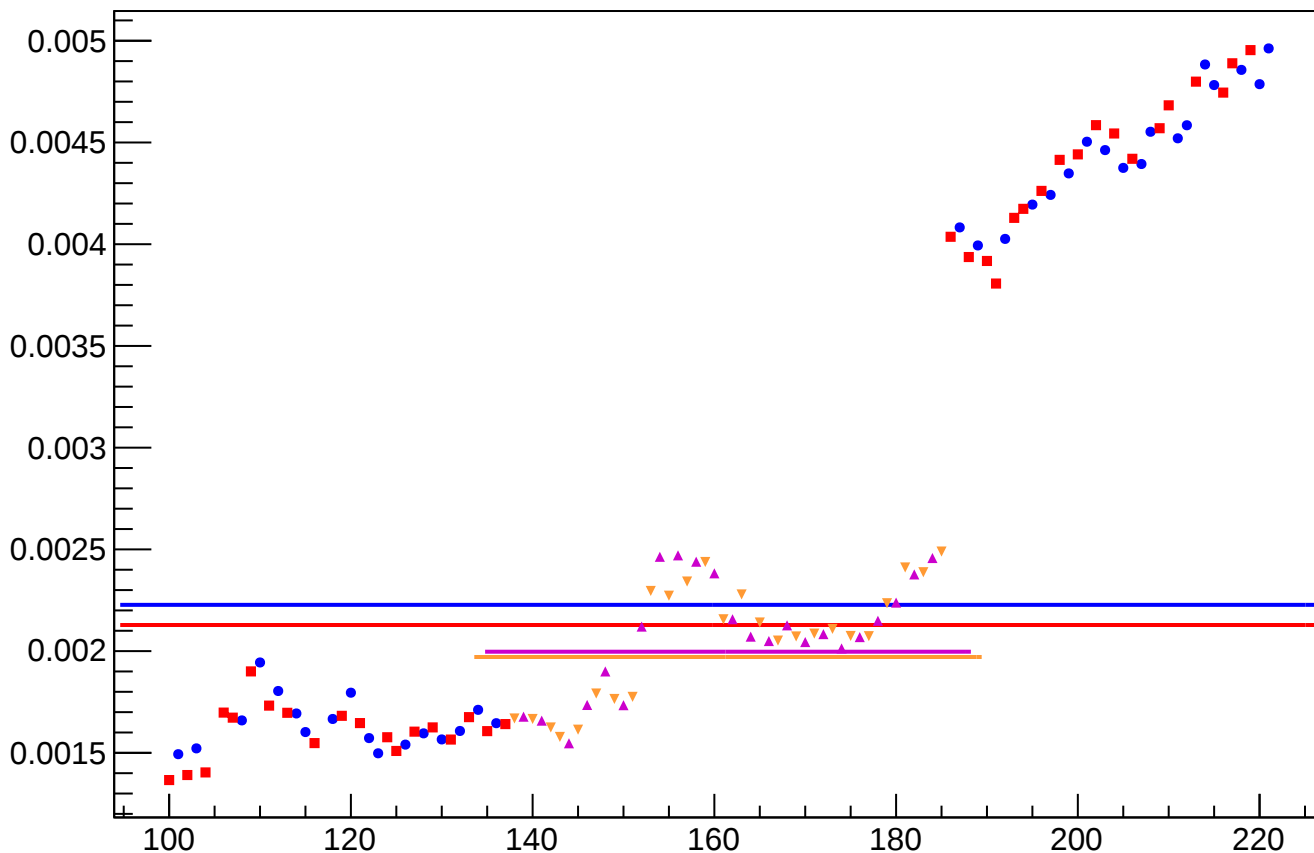
Right Out: 0.353 $\pm$ 0.000 χ^2 /NDF: 221247279862.7/36

All: 0.423 $\pm$ 0.000 χ^2 /NDF: 683563937478.3

Left In: 0.460 $\pm$ 0.000 χ^2 /NDF:104559088628.4/22

- sign 0.412 $\pm$ 0.000 χ^2 /NDF: 346933939067.2/59

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 8507074.3/34

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 8287830.4/36

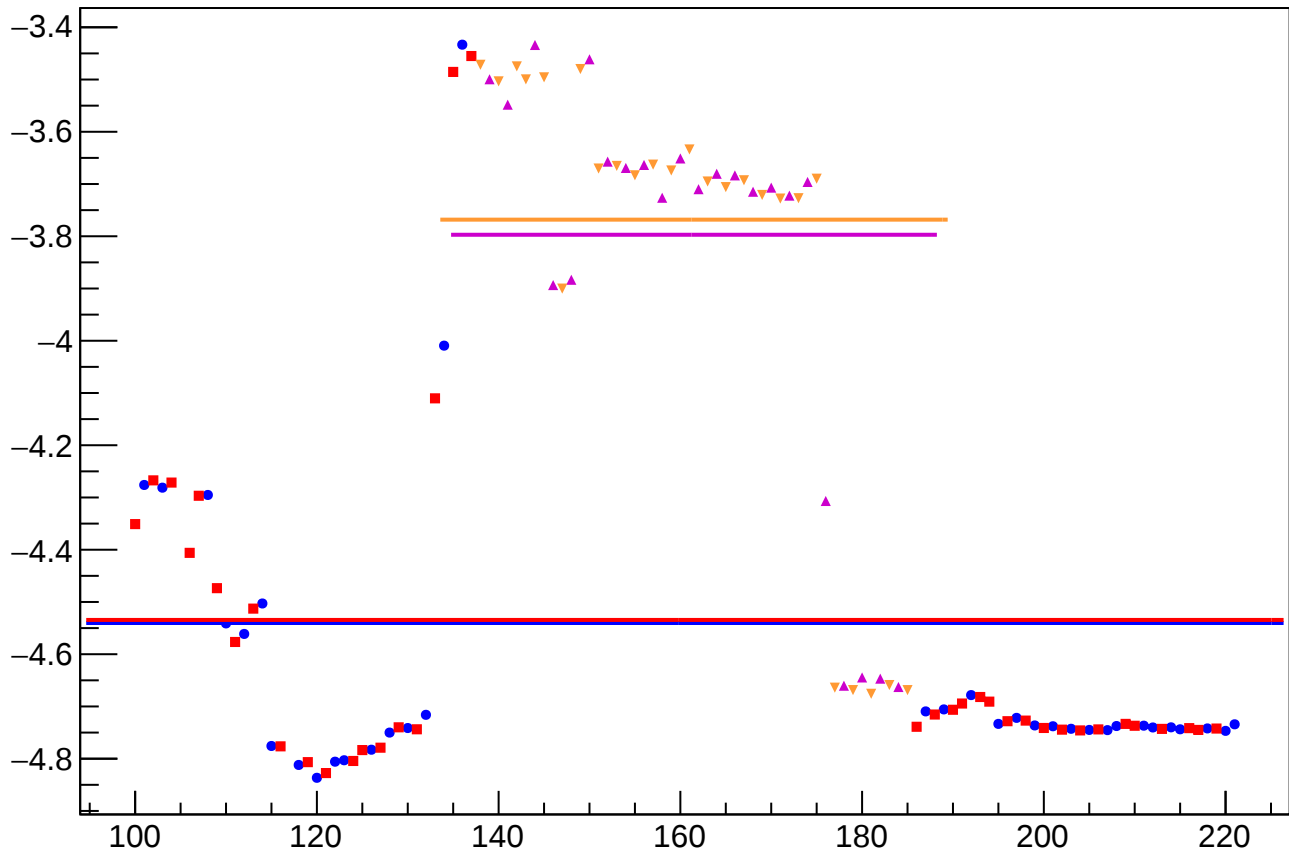
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 9480195.1/59

All: 0.002+/-0.000 χ^2/NDF : 18501394.6/119

- sign 0.002+/-0.000 χ^2/NDF : 9018492.3/59

yield_bpm2i01Y_mean vs Slug



Right In: -4.540 ± 0.000 χ^2/NDF : 454084805680.4/34

Left Out: -3.768 ± 0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.534 ± 0.000 χ^2/NDF : 386338333367.4/36

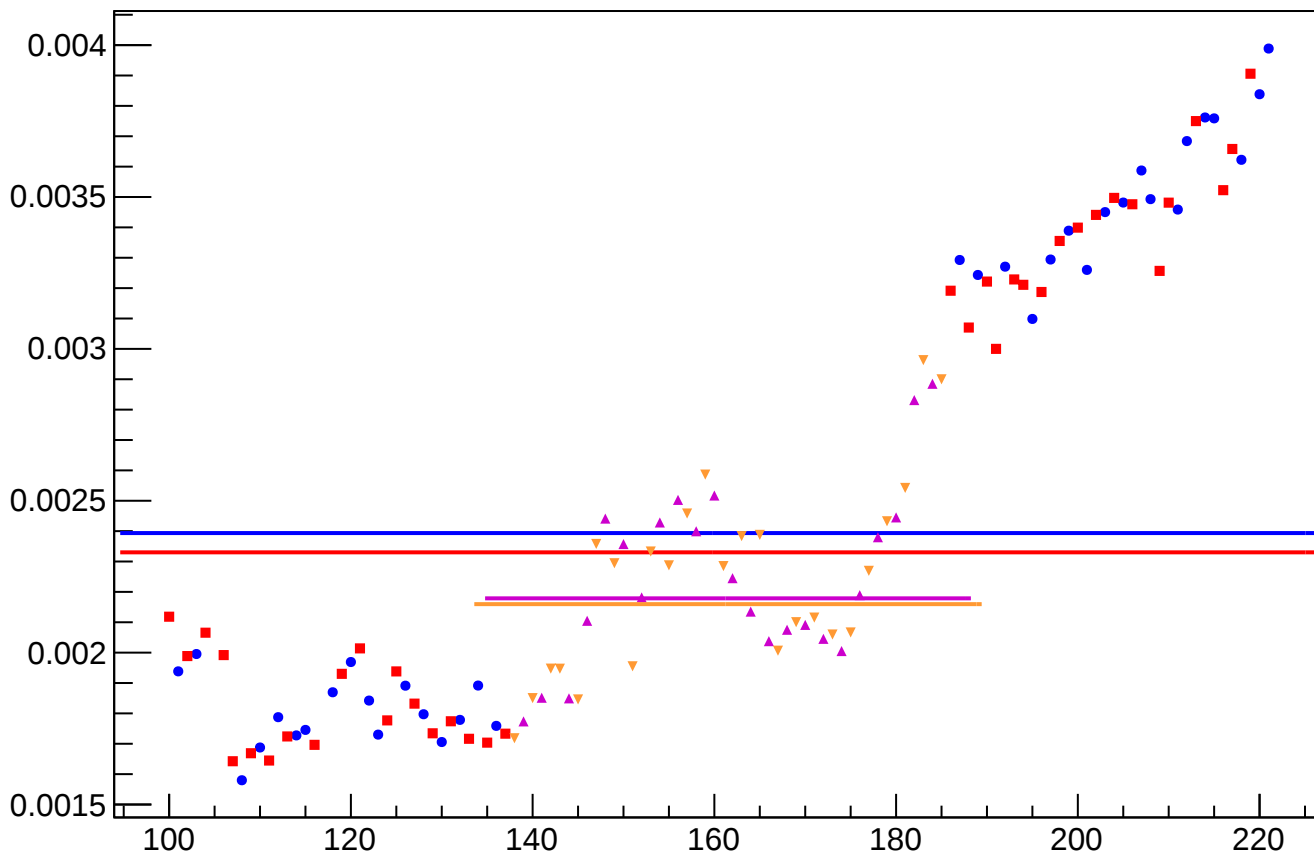
Left In: -3.797 ± 0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.113 ± 0.000 χ^2/NDF : 1984720266430.1/5

All: -4.130 ± 0.000 χ^2/NDF : 3735355845455

- sign -4.147 ± 0.000 χ^2/NDF : 1746631420823.0/5

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 4113940.4/34

Left Out: 0.002+/-0.000 χ^2/NDF :547831.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3752885.7/36

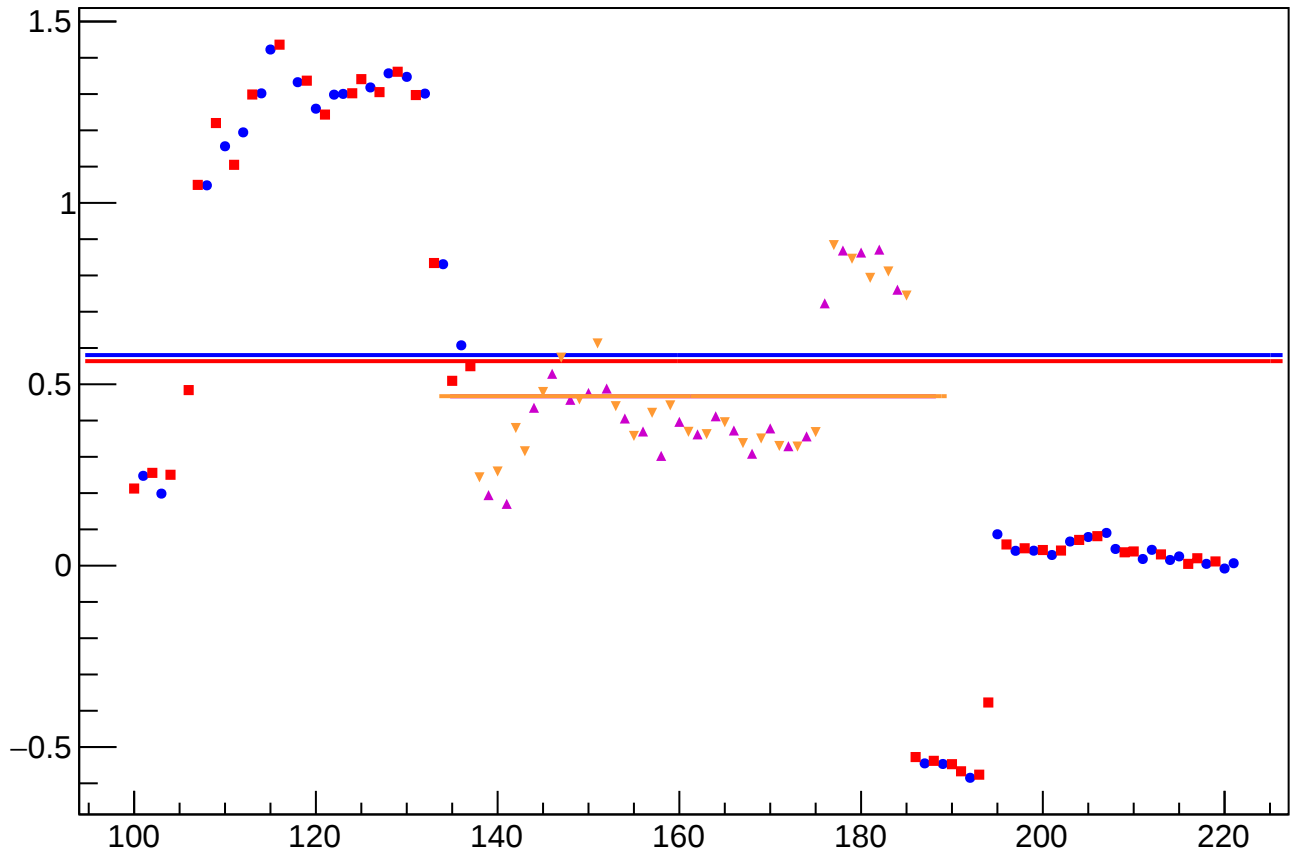
Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 4848041.1/59

All: 0.002+/-0.000 χ^2/NDF : 9142706.7/119

- sign 0.002+/-0.000 χ^2/NDF : 4293430.0/59

yield_bpm2i02X_mean vs Slug



Right In: 0.580 $\pm$ 0.000 χ^2 /NDF: 90603113170.0/34

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

Right Out: 0.564 $\pm$ 0.000 χ^2 /NDF: 105259930034.6/36

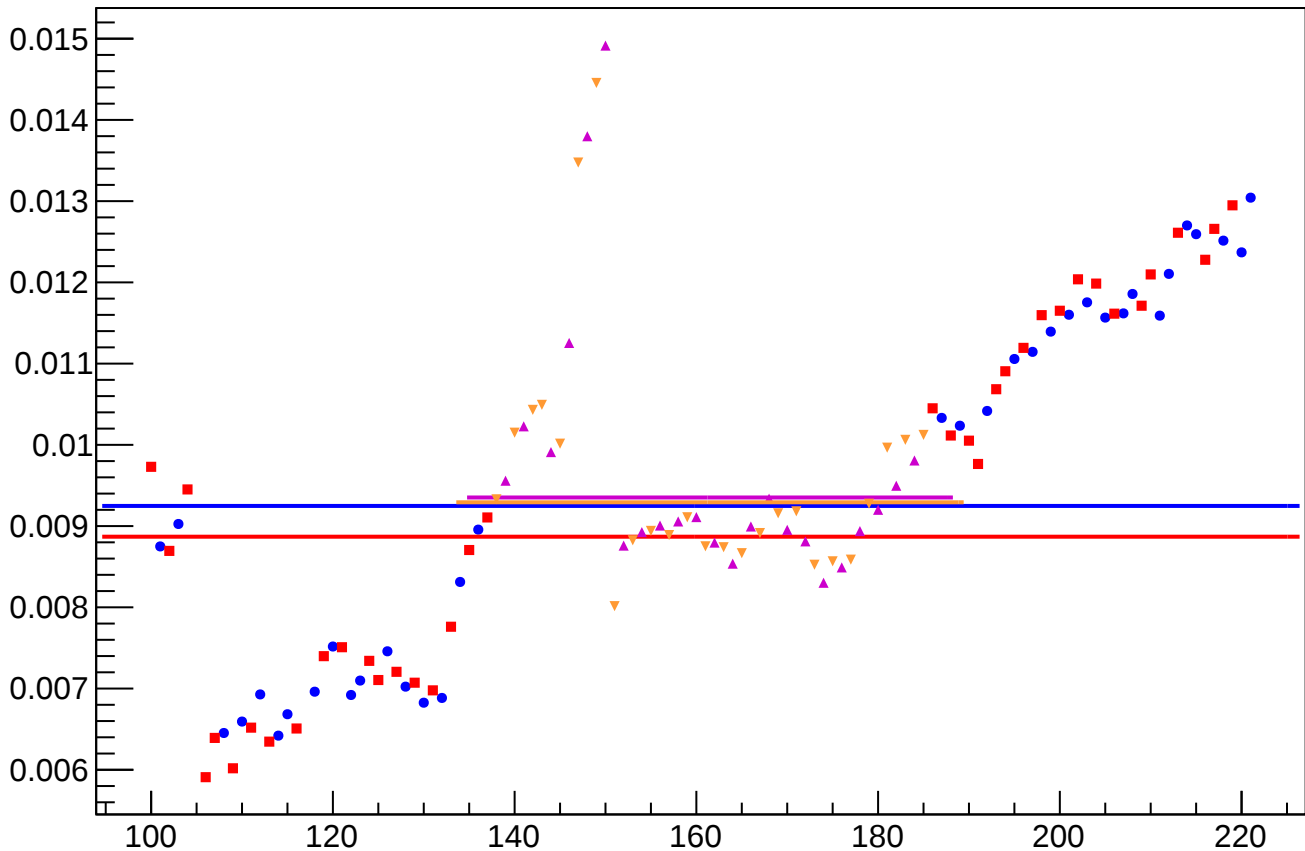
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

+ sign 0.525 $\pm$ 0.000 χ^2 /NDF: 99332735925.2/59

All: 0.522 $\pm$ 0.000 χ^2 /NDF: 213627837620.9

- sign 0.519 $\pm$ 0.000 χ^2 /NDF: 114288385109.2/59

yield_bpm2i02X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 2282954.6/34

Left Out: 0.009+/-0.000 χ^2/NDF : 528279.5/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2491405.4/36

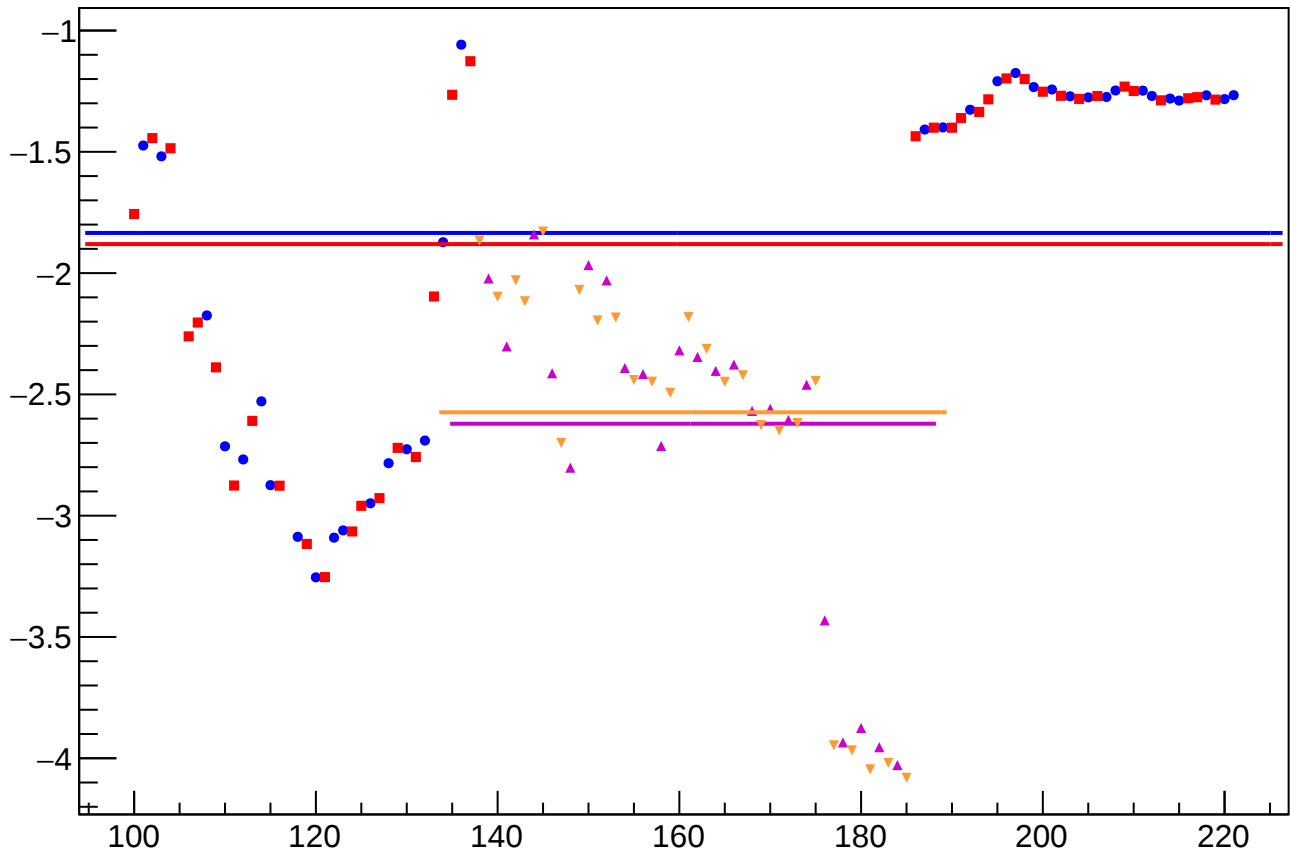
Left In: 0.009+/-0.000 χ^2/NDF : 557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 2811661.0/59

All: 0.009+/-0.000 χ^2/NDF : 5923621.1/119

- sign 0.009+/-0.000 χ^2/NDF : 3098119.8/59

yield_bpm2i02Y_mean vs Slug



Right In: -1.834 ± 0.000 $\chi^2/\text{NDF}: 142969891711.0/34$

Left Out: -2.574 ± 0.000 $\chi^2/\text{NDF}: 99176112704.9/24$

Right Out: -1.880 ± 0.000 $\chi^2/\text{NDF}: 137571010018.7/36$

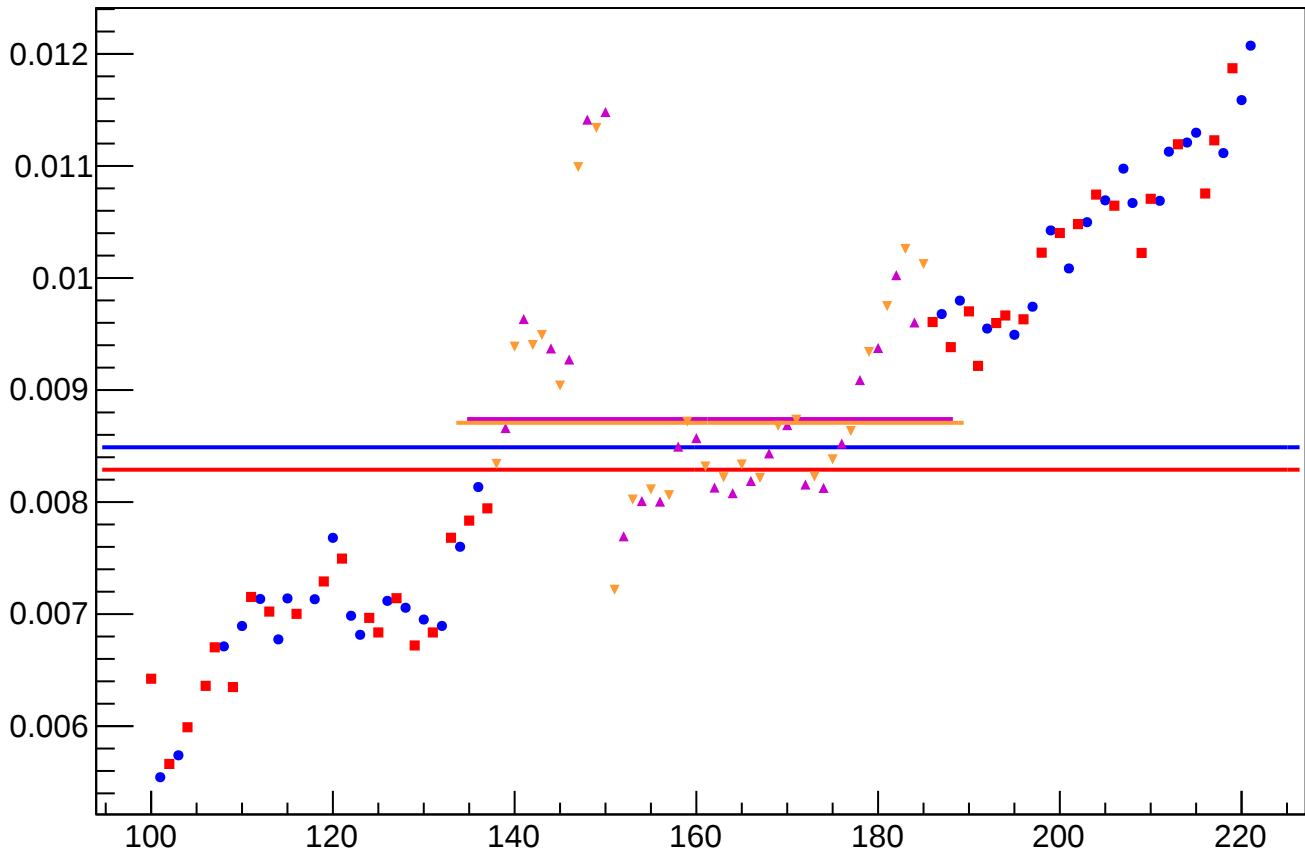
Left In: -2.621 ± 0.000 $\chi^2/\text{NDF}: 80862402796.4/22$

+ sign -2.188 ± 0.000 $\chi^2/\text{NDF}: 310459052187.2/59$

All: -2.202 ± 0.000 $\chi^2/\text{NDF}: 596333105499.7$

- sign -2.216 ± 0.000 $\chi^2/\text{NDF}: 285680189969.2/59$

yield_bpm2i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2127813.4/34

Left Out: 0.009+/-0.000 χ^2/NDF : 369376.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1862571.2/36

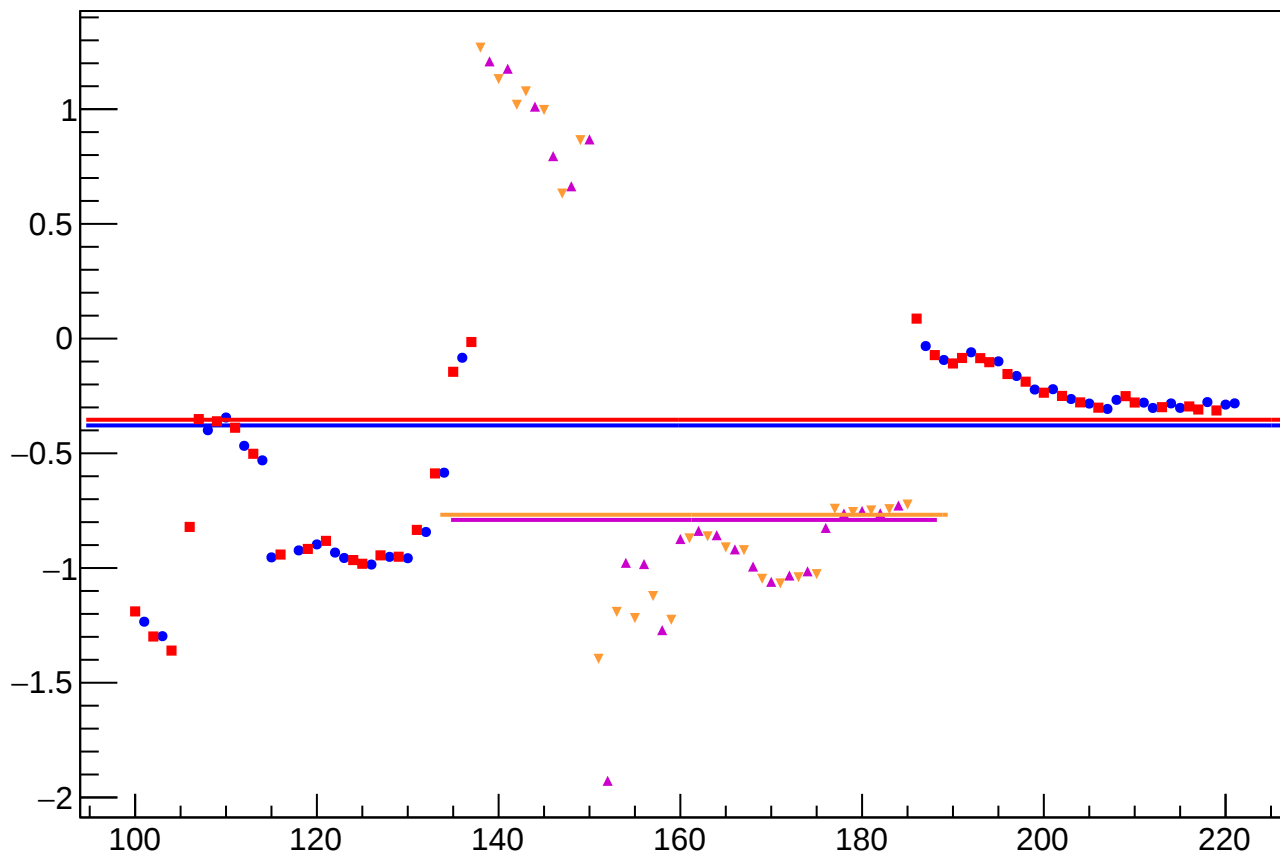
Left In: 0.009+/-0.000 χ^2/NDF : 353750.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 2509103.6/59

All: 0.009+/-0.000 χ^2/NDF : 4780529.7/119

- sign 0.008+/-0.000 χ^2/NDF : 2266481.0/59

yield_bpm0i01X_mean vs Slug



Right In: -0.379 ± 0.000 χ^2/NDF : 23337747646.9/34

Left Out: -0.768 ± 0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.354 ± 0.000 χ^2/NDF : 25379506405.3/36

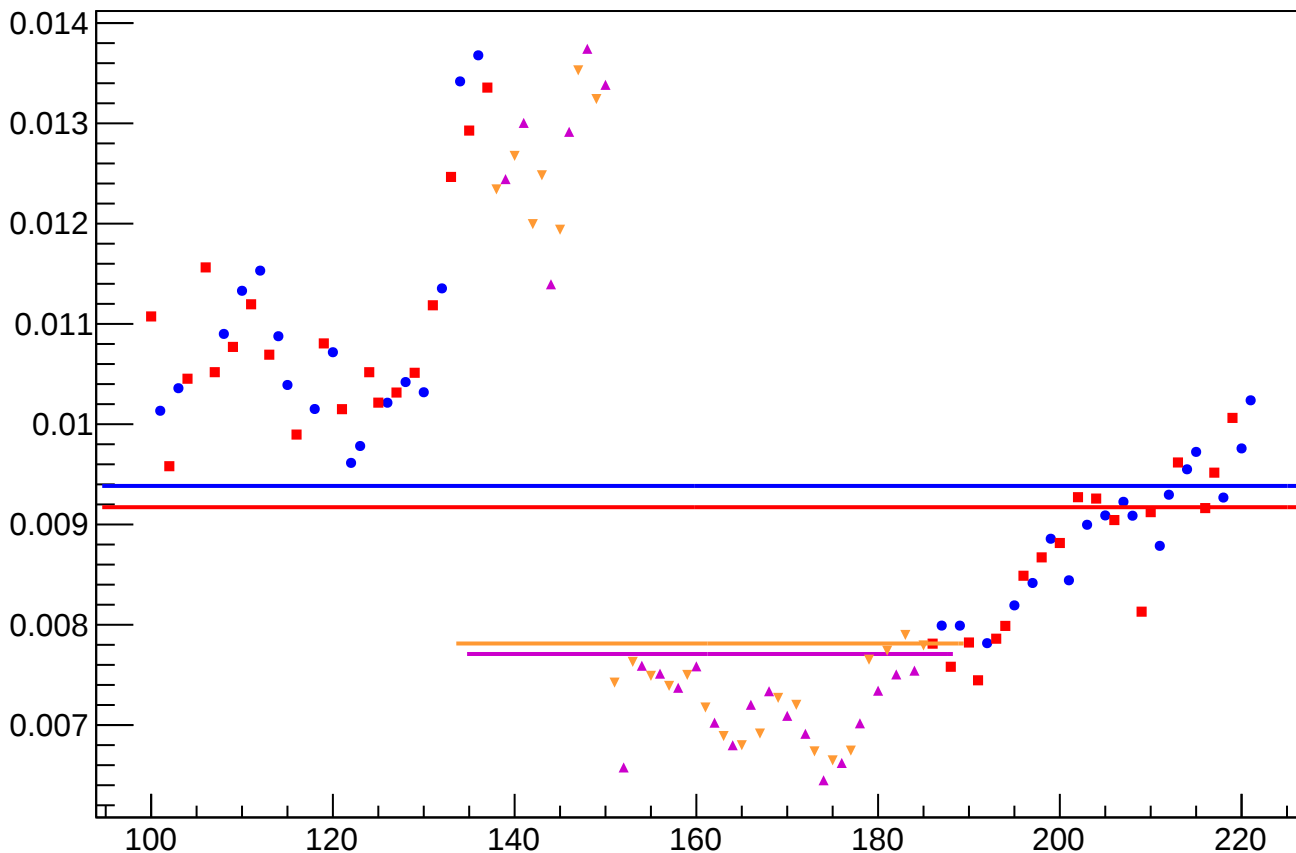
Left In: -0.790 ± 0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.597 ± 0.000 χ^2/NDF : 162817253809.3/59

All: -0.595 ± 0.000 χ^2/NDF : 335065839222.3

- sign -0.593 ± 0.000 χ^2/NDF : 172244687819.4/59

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 566997.0/34

Left Out: 0.008+/-0.000 χ^2/NDF :1705997.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 669731.0/36

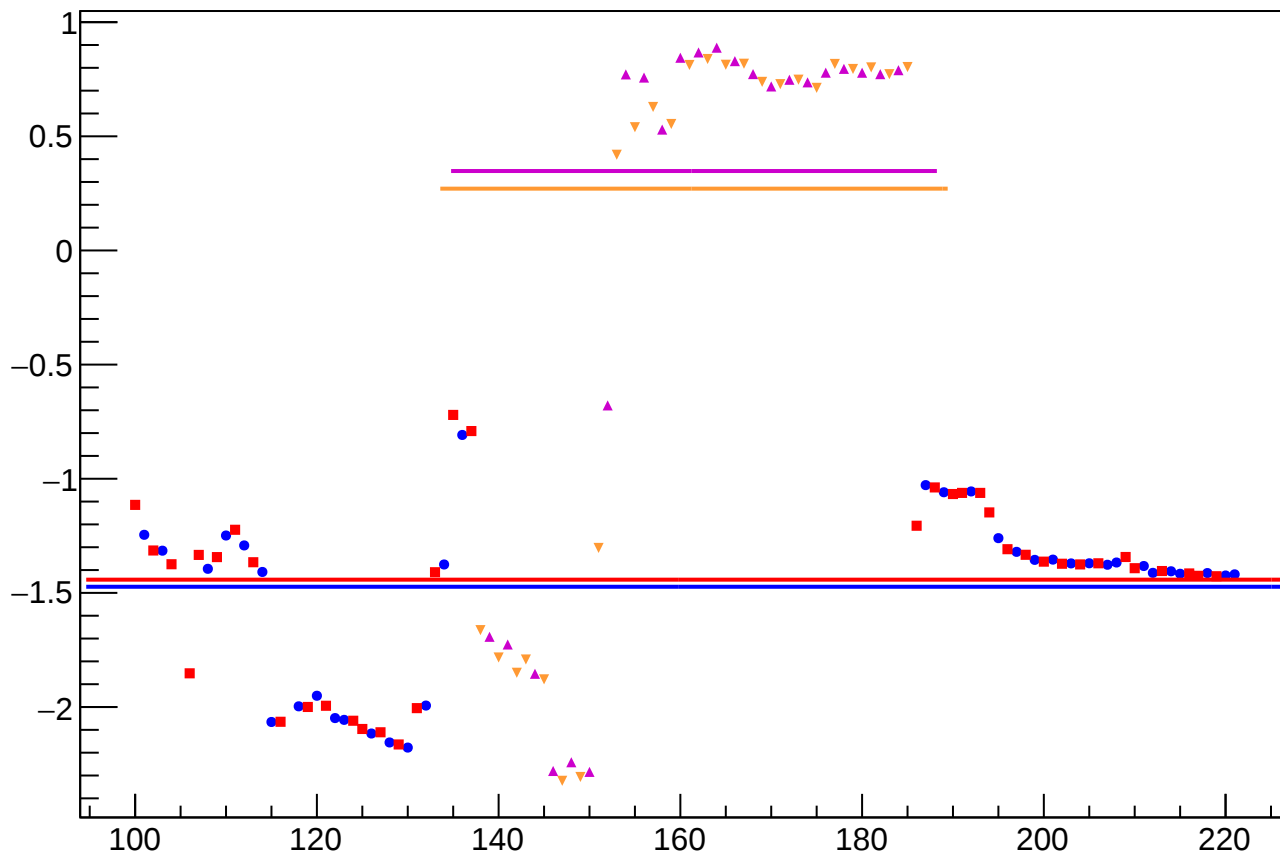
Left In: 0.008+/-0.000 χ^2/NDF :1746653.6/22

+ sign 0.009+/-0.000 χ^2/NDF : 2882435.0/59

All: 0.008+/-0.000 χ^2/NDF : 5833798.3/119

- sign 0.008+/-0.000 χ^2/NDF : 2942624.9/59

yield_bpm0i01Y_mean vs Slug



Right In: -1.473 ± 0.000 χ^2/NDF : 175473265304.2/34

Left Out: 0.271 ± 0.000 χ^2/NDF : 2583233987355.9/24

Right Out: -1.442 ± 0.000 χ^2/NDF : 164581722207.8/36

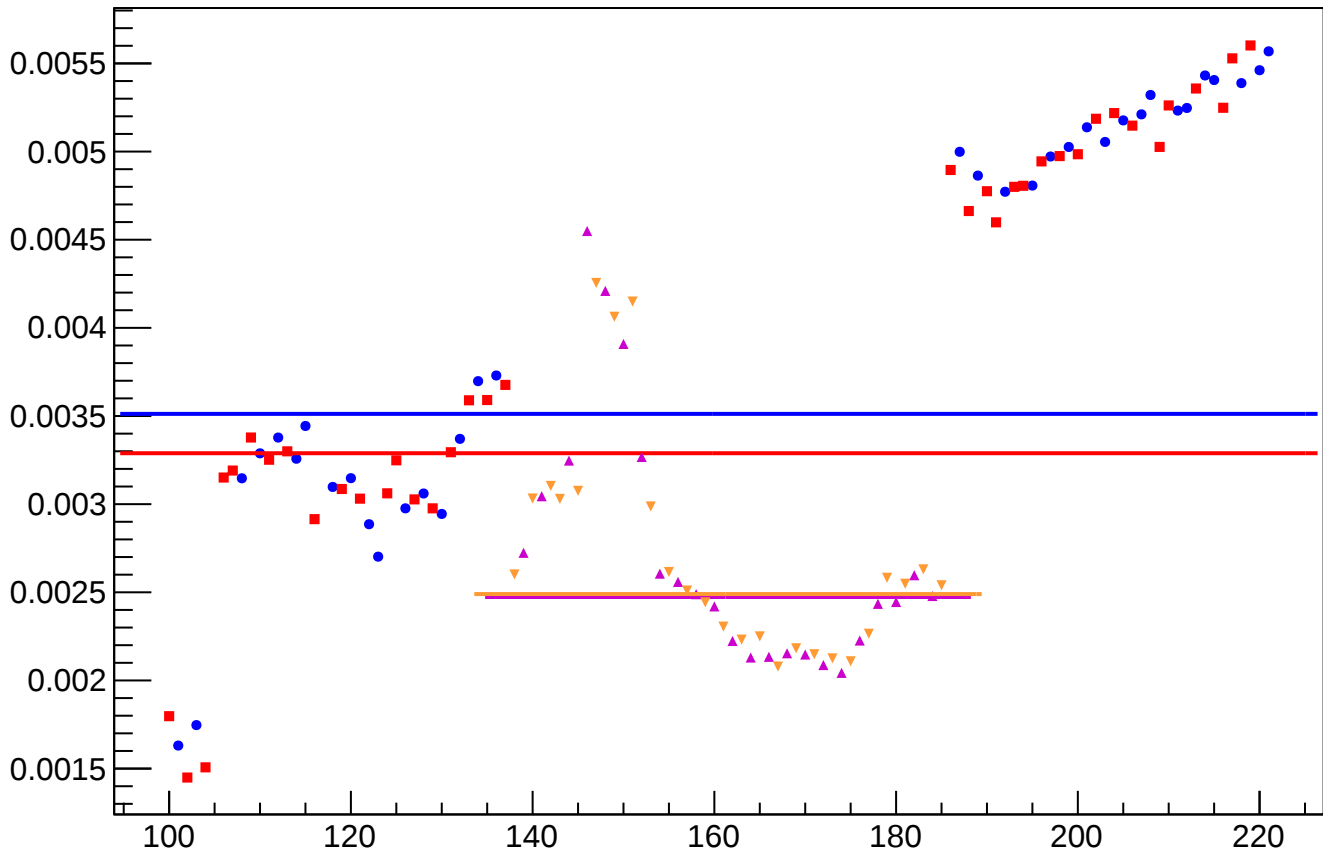
Left In: 0.348 ± 0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.317 ± 0.000 χ^2/NDF : 5446182432536.2/5

All: -0.313 ± 0.000 χ^2/NDF : 1080451500716

- sign -0.309 ± 0.000 χ^2/NDF : 5358208341038.8/5

yield_bpm0i01Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 5190802.9/34

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1070282.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 5963002.0/36

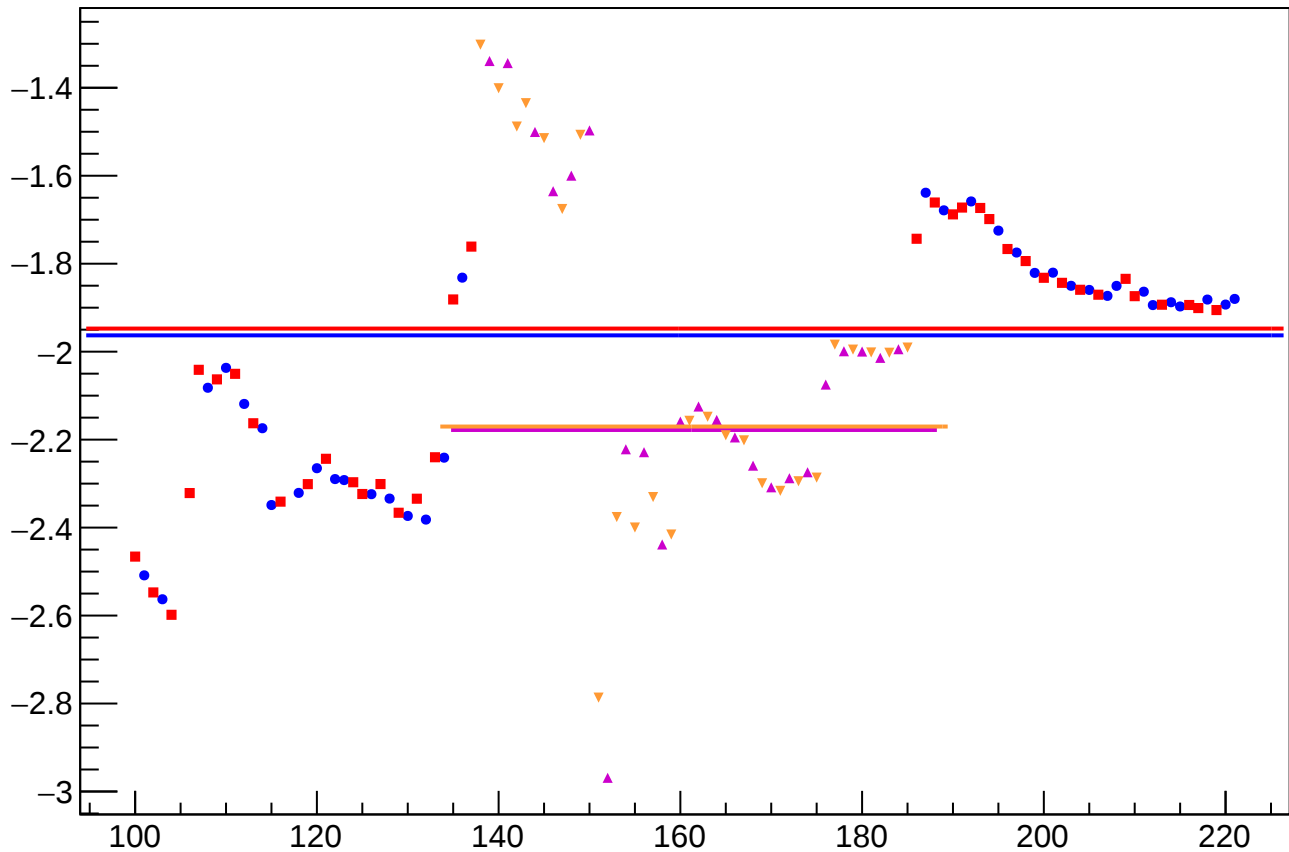
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1135279.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 8107336.0/59

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 16432585.5/119

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 8310229.8/59

yield_bpm0i01aX_mean vs Slug



Right In: -1.963 ± 0.000 χ^2/NDF : 31944148745.0/34

Left Out: -2.170 ± 0.000 χ^2/NDF : 59967315241.9/24

Right Out: -1.947 ± 0.000 χ^2/NDF : 35464956965.8/36

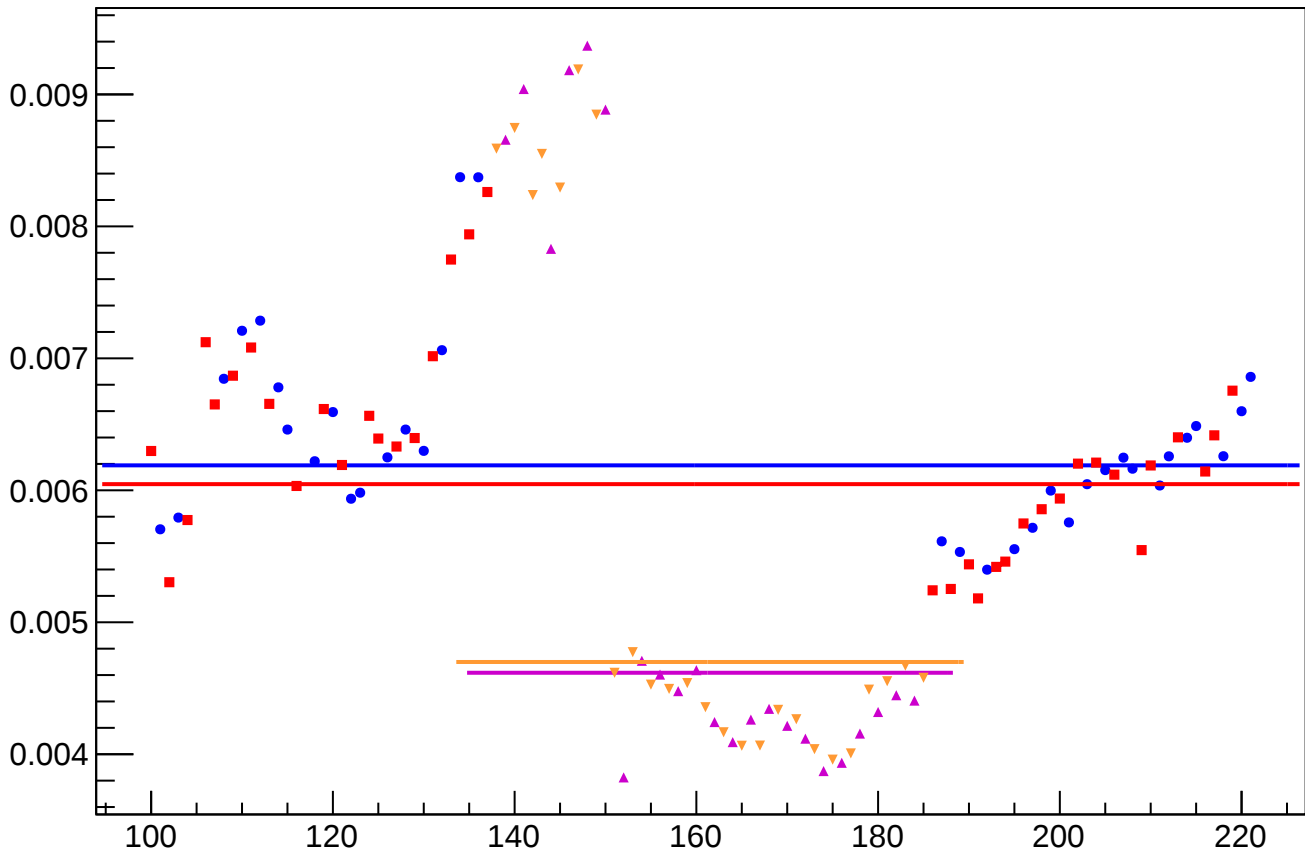
Left In: -2.178 ± 0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.087 ± 0.000 χ^2/NDF : 104909053355.5/59

All: -2.085 ± 0.000 χ^2/NDF : 229875580716.3

- sign -2.083 ± 0.000 χ^2/NDF : 124954207487.1/59

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 336558.2/34

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 394915.4/36

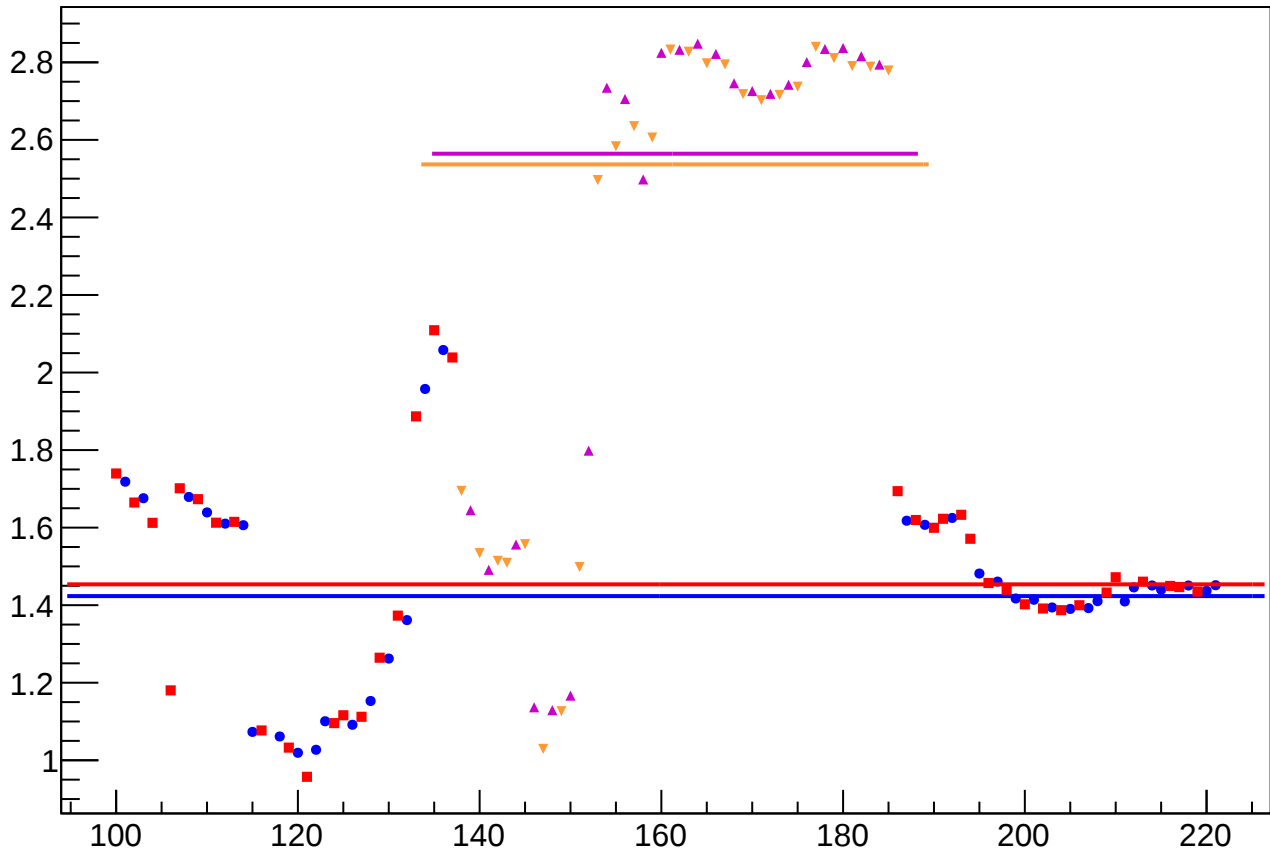
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3999149.4/59

All: 0.005+/-0.000 χ^2/NDF : 8007771.5/119

- sign 0.005+/-0.000 χ^2/NDF : 3998945.4/59

yield_bpm0i01aY_mean vs Slug



Right In: 1.423+/-0.000 χ^2/NDF : 174236531511.7/34

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.454+/-0.000 χ^2/NDF : 177008991644.1/36

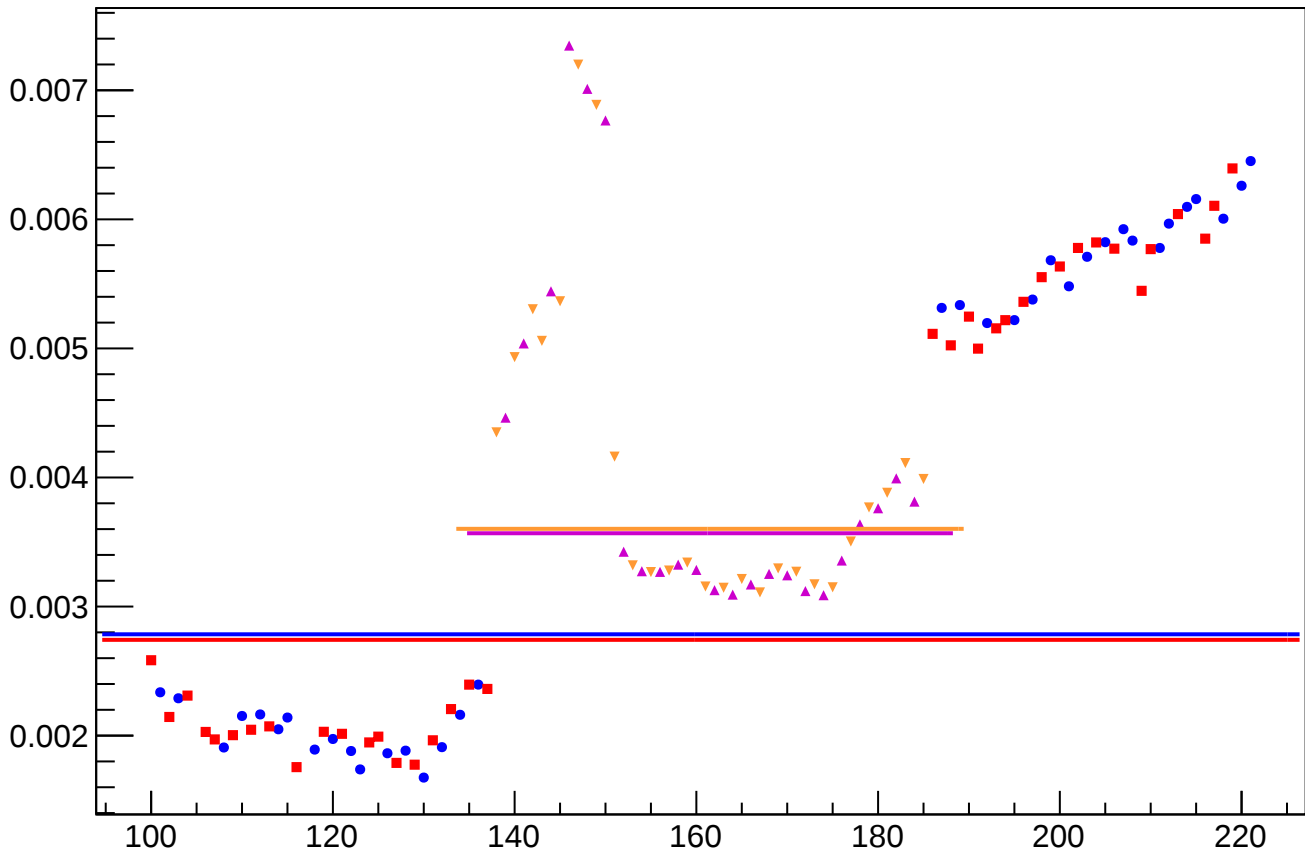
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.871+/-0.000 χ^2/NDF : 1398155400977.9/59

All: 1.875+/-0.000 χ^2/NDF : 2767797849897.7

- sign 1.880+/-0.000 χ^2/NDF : 1369530466351.5/59

yield_bpm0i01aY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 8991770.7/34

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.003+/-0.000 χ^2/NDF : 8141774.3/36

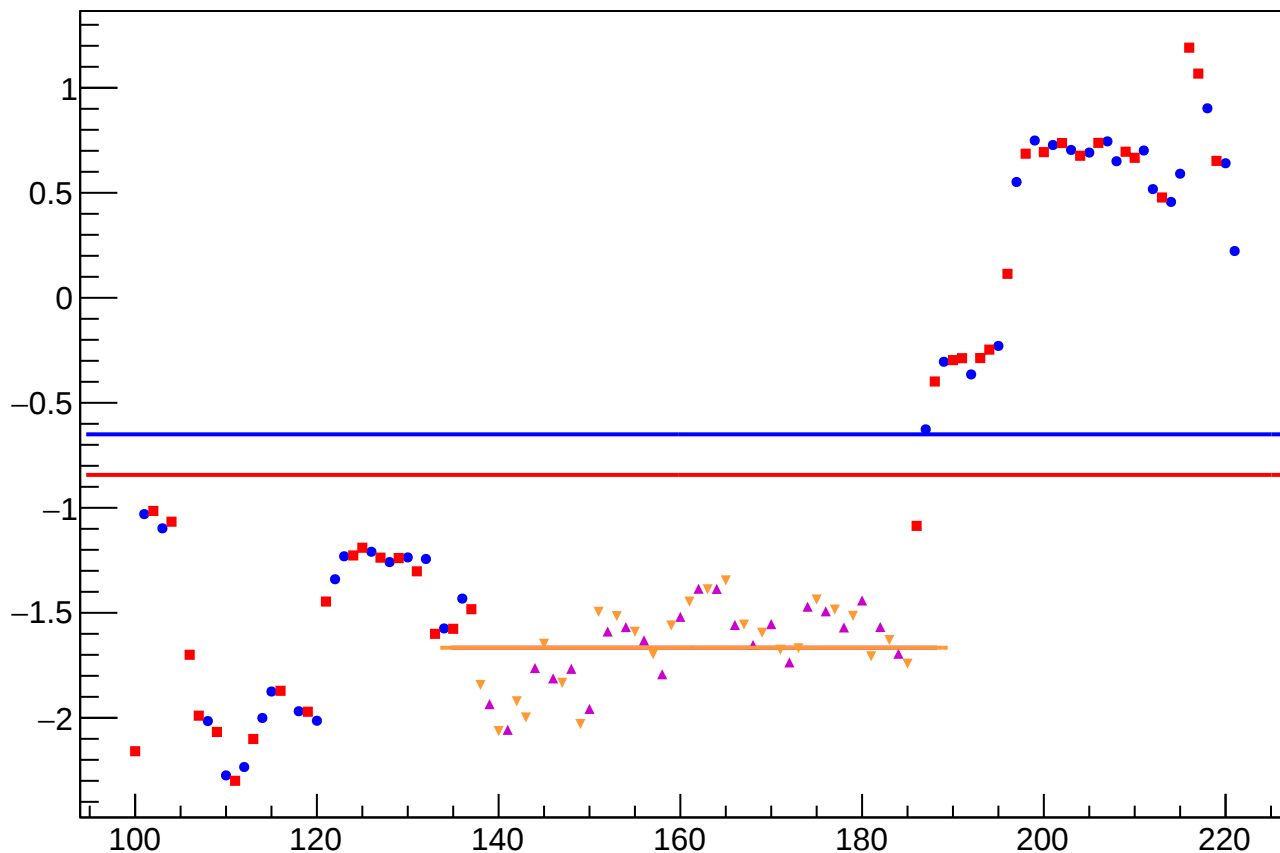
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 11430881.0/59

All: 0.003+/-0.000 χ^2/NDF : 22176266.0/119

- sign 0.003+/-0.000 χ^2/NDF : 10735725.3/59

yield_bpm0l01X_mean vs Slug



Right In: -0.650 ± 0.000 χ^2/NDF : 267715187851.4/34

Left Out: -1.666 ± 0.000 χ^2/NDF : 18325162131.2/24

Right Out: -0.843 ± 0.000 χ^2/NDF : 301797006016.5/36

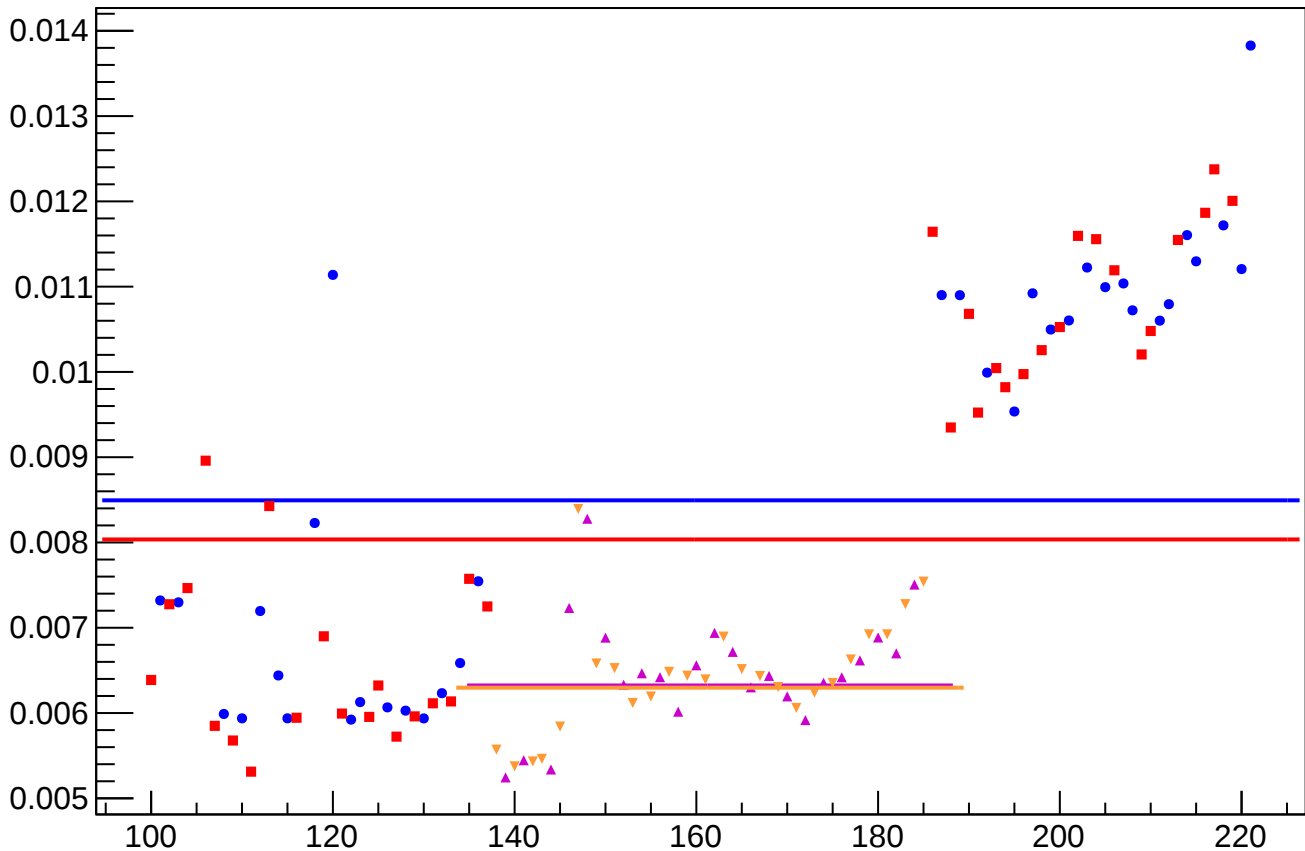
Left In: -1.666 ± 0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.303 ± 0.000 χ^2/NDF : 448771882507.0/59

All: -1.321 ± 0.000 χ^2/NDF : 875275983682.5

- sign -1.340 ± 0.000 χ^2/NDF : 426024299809.3/59

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2592101.4/34

Left Out: 0.006+/-0.000 χ^2/NDF : 310757.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2768855.3/36

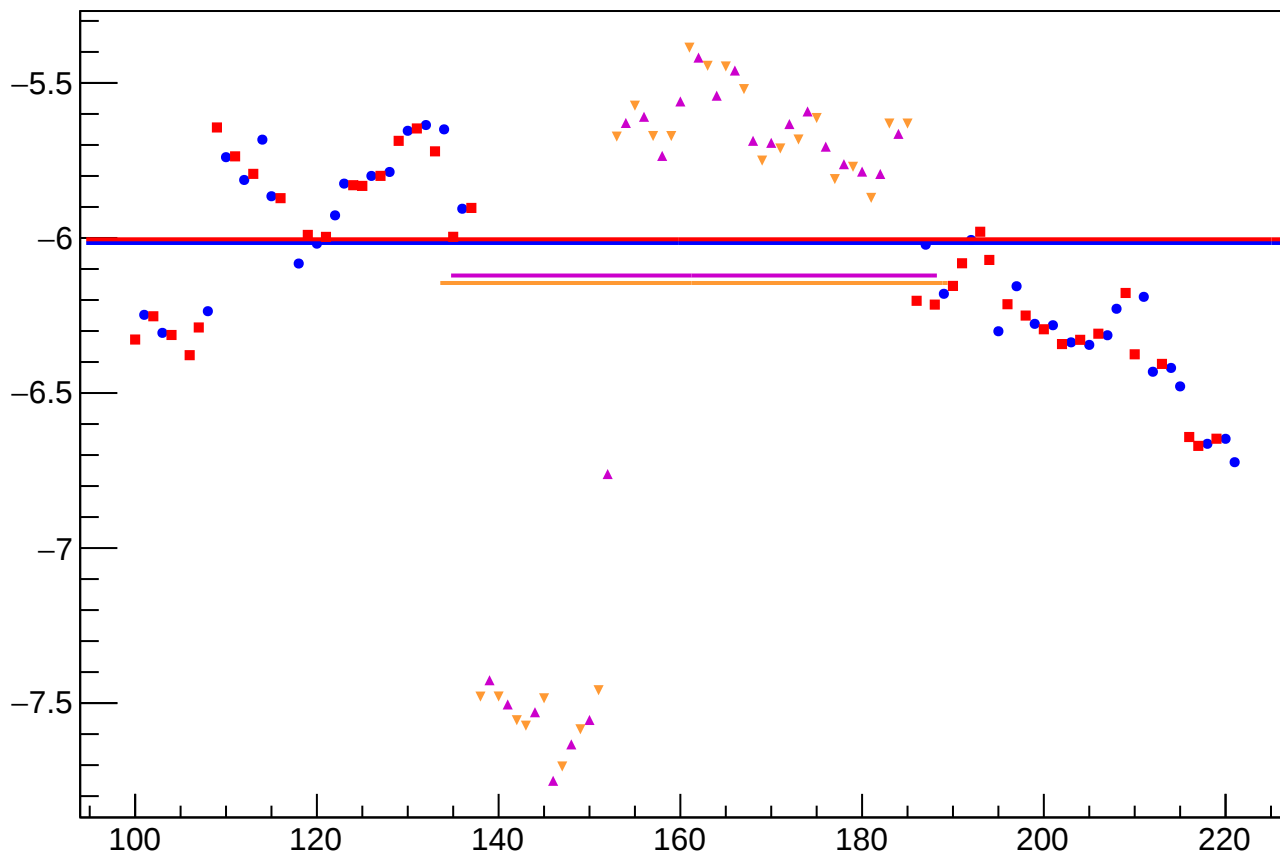
Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 4424750.2/59

All: 0.007+/-0.000 χ^2/NDF : 8481293.7/119

- sign 0.007+/-0.000 χ^2/NDF : 4051991.8/59

yield_bpm0l01Y_mean vs Slug



Right In: -6.016+/-0.000 χ^2/NDF : 22605949488.3/34

Left Out: -6.145+/-0.000 χ^2/NDF : 185364150237.7/24

Right Out: -6.004+/-0.000 χ^2/NDF : 22148621423.9/36

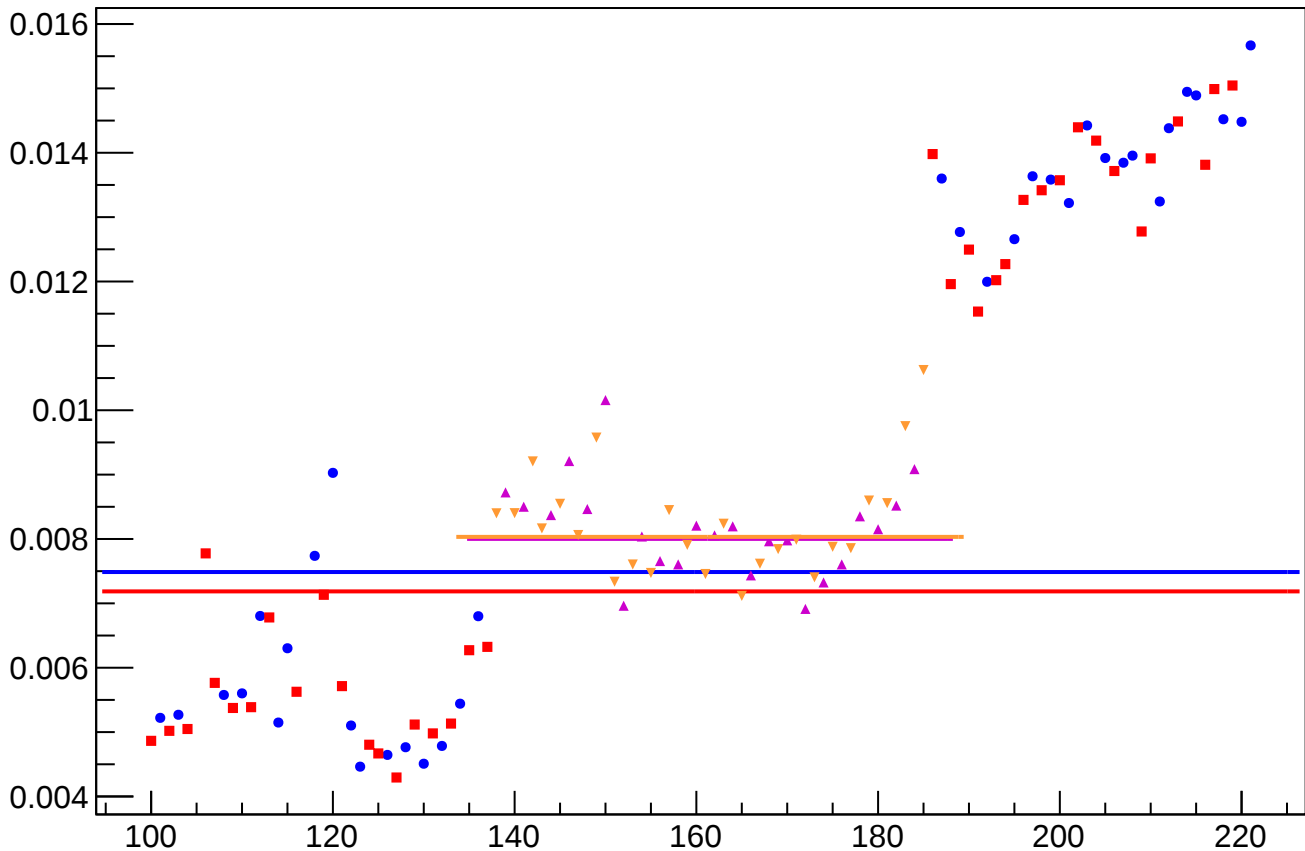
Left In: -6.121+/-0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.079+/-0.000 χ^2/NDF : 210158876818.4/59

All: -6.068+/-0.000 χ^2/NDF : 392560239859.5

- sign -6.058+/-0.000 χ^2/NDF : 182282000689.7/59

yield_bpm0l01Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 7547720.0/34

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205762.2/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 6969575.6/36

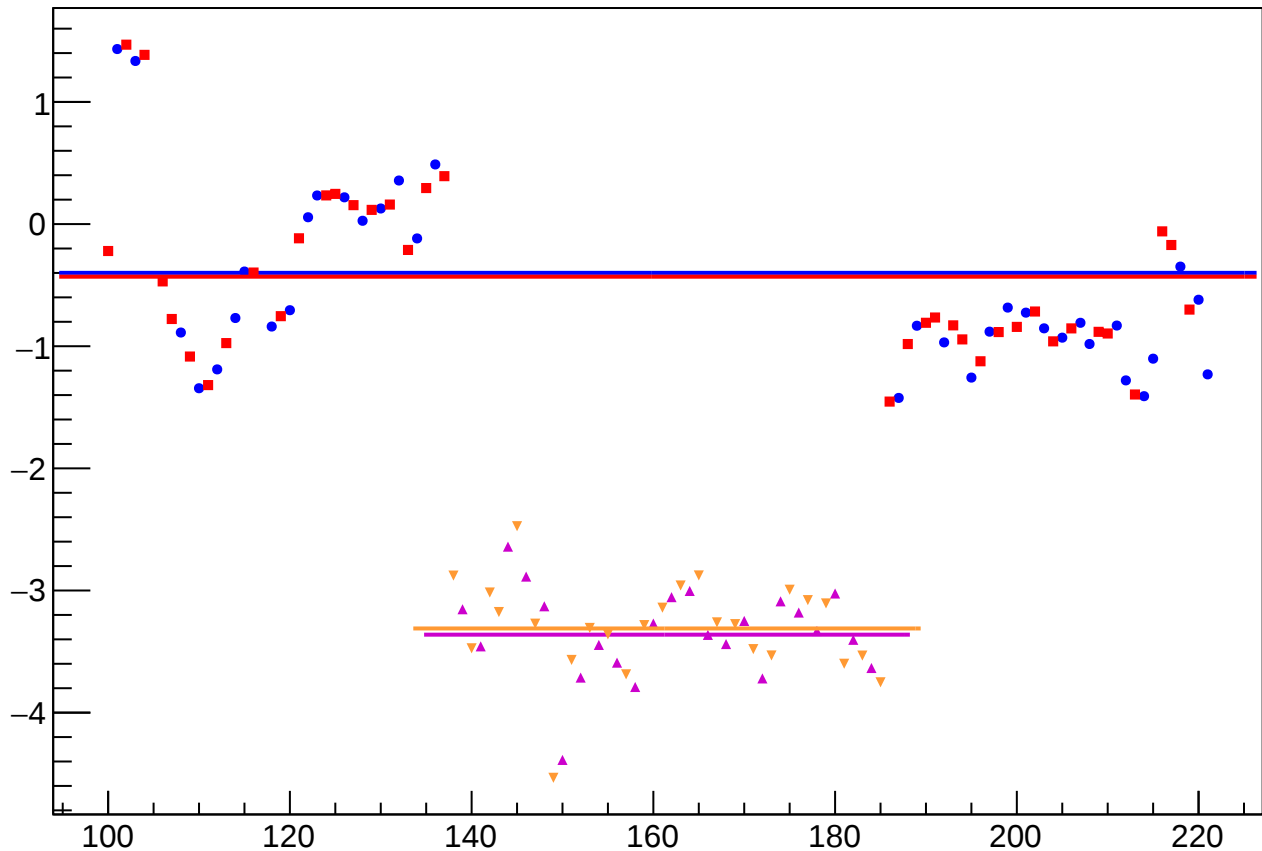
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220756.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7831874.4/59

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 15219124.0/119

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7367564.1/59

yield_bpm0l02X_mean vs Slug



Right In: -0.399 ± 0.000 χ^2/NDF : 37702010241.8/34

Left Out: -3.311 ± 0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.431 ± 0.000 χ^2/NDF : 35296308280.2/36

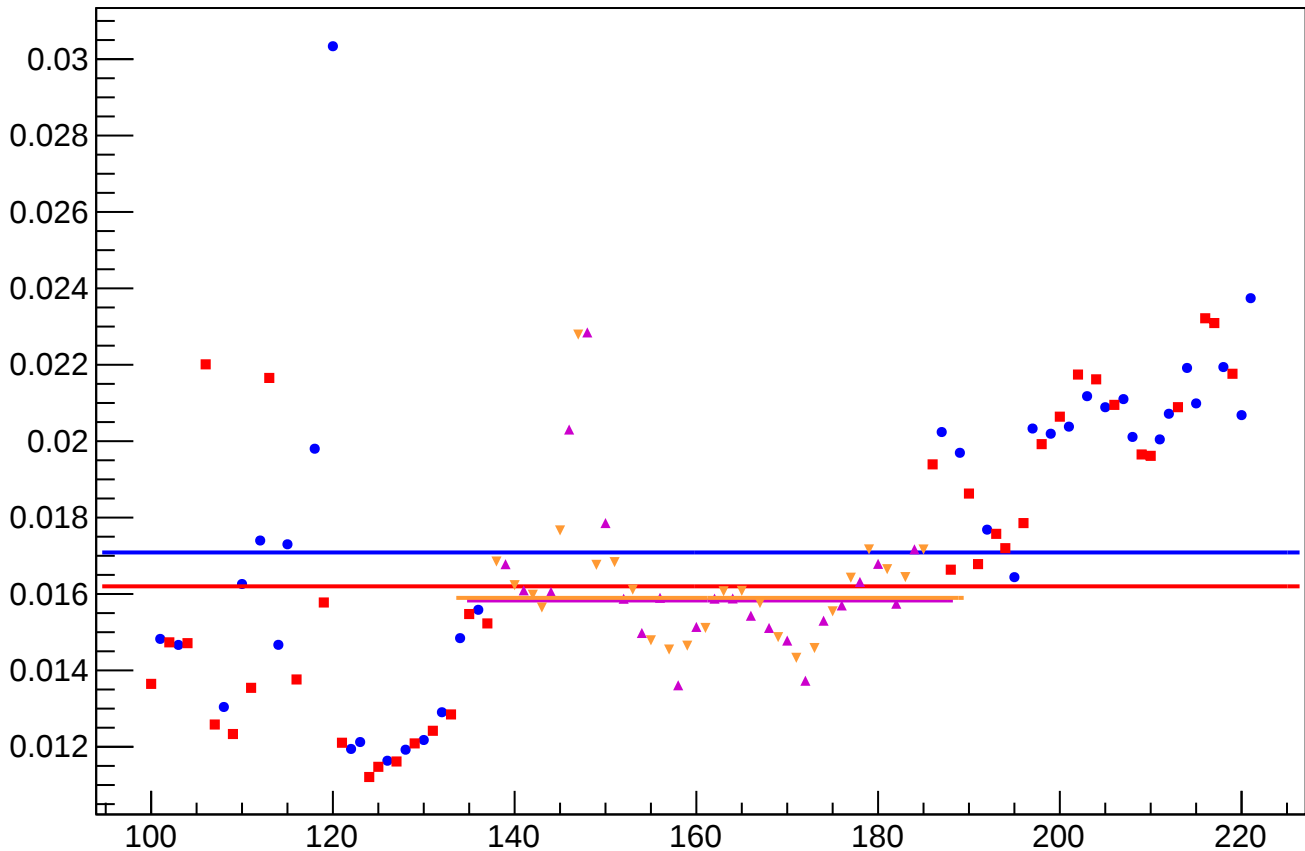
Left In: -3.362 ± 0.000 χ^2/NDF : 8171803777.4/22

+ sign -1.942 ± 0.000 χ^2/NDF : 325757940682.1/59

All: -1.909 ± 0.000 χ^2/NDF : 657803123056.5

- sign -1.877 ± 0.000 χ^2/NDF : 331763787967.8/59

yield_bpm0l02X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 1826294.8/34

Left Out: 0.016+/-0.000 χ^2/NDF : 251912.7/24

Right Out: 0.016+/-0.000 χ^2/NDF : 1862712.5/36

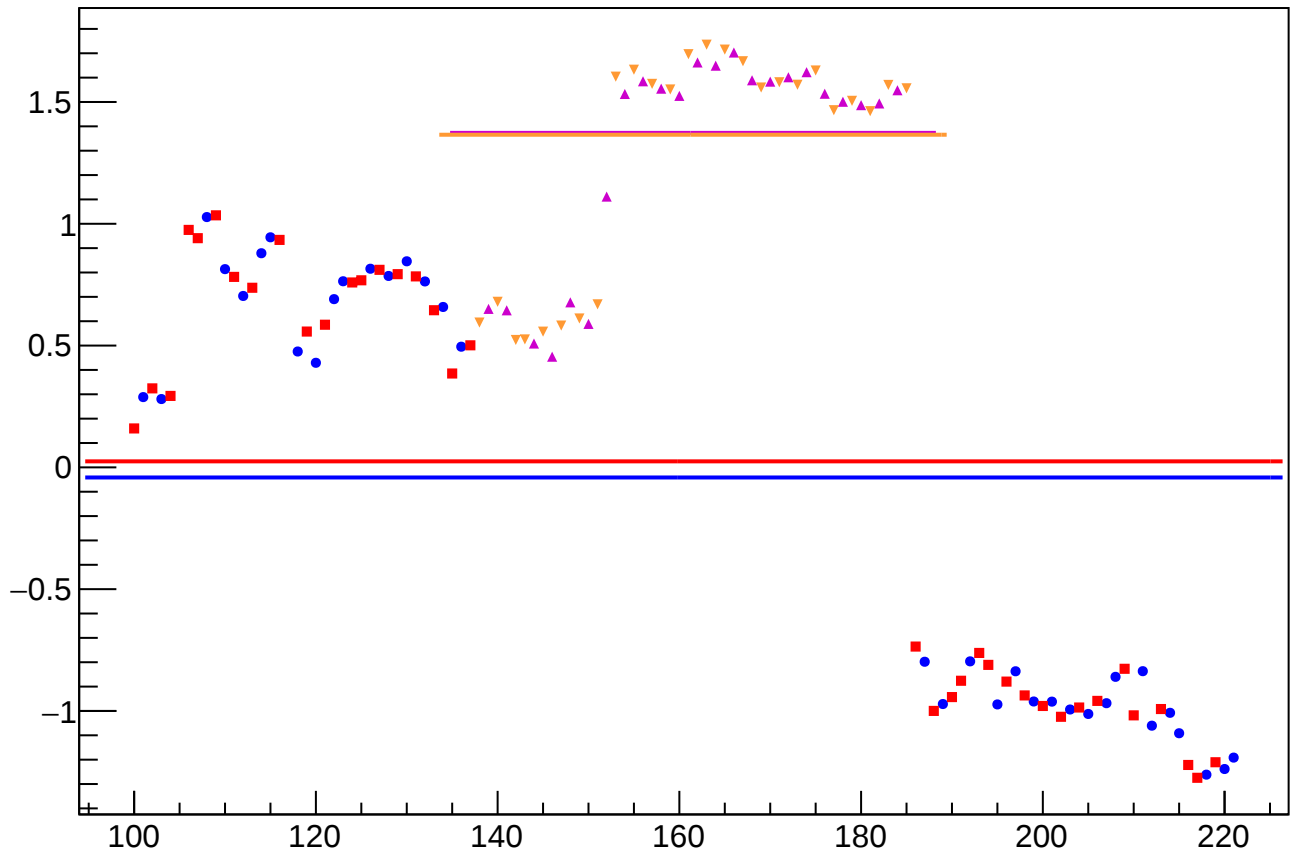
Left In: 0.016+/-0.000 χ^2/NDF : 339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 2171140.7/59

All: 0.016+/-0.000 χ^2/NDF : 4408257.3/119

- sign 0.016+/-0.000 χ^2/NDF : 2211431.1/59

yield_bpm0l02Y_mean vs Slug



Right In: -0.042 ± 0.000 $\chi^2/\text{NDF}: 106809480460.7/34$

Left Out: 1.366 ± 0.000 $\chi^2/\text{NDF}: 74741956067.9/24$

Right Out: 0.025 ± 0.000 $\chi^2/\text{NDF}: 110976857417.5/36$

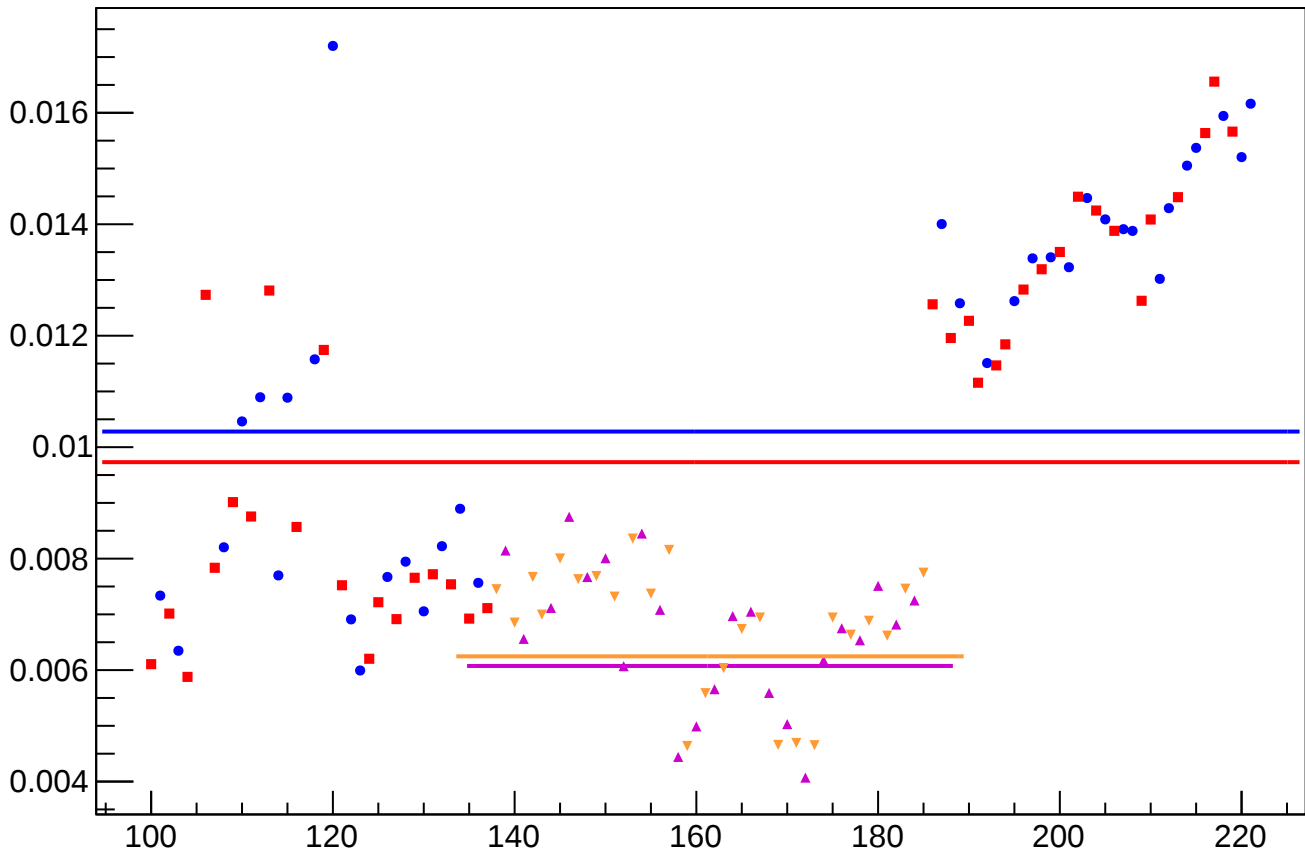
Left In: 1.373 ± 0.000 $\chi^2/\text{NDF}: 63413151416.3/22$

+ sign 0.979 ± 0.000 $\chi^2/\text{NDF}: 413439771291.1/59$

All: 0.980 ± 0.000 $\chi^2/\text{NDF}: 814081259038.2$

- sign 0.981 ± 0.000 $\chi^2/\text{NDF}: 400640406653.1/59$

yield_bpm0l02Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 3491013.6/34

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 3438442.5/36

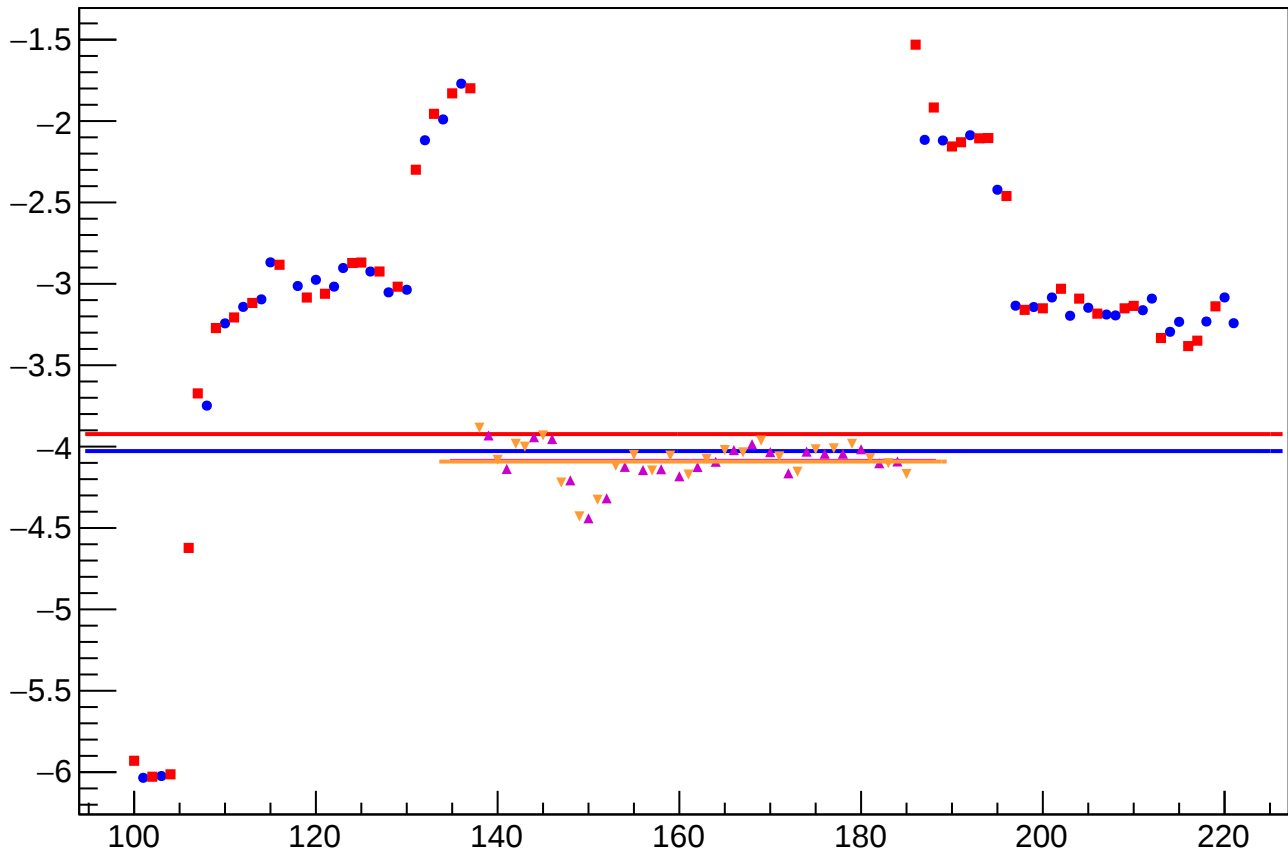
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8632097.8/59

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 16858284.9/119

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8198099.6/59

yield_bpm0l03X_mean vs Slug



Right In: -4.028 $\pm$ 0.000 χ^2/NDF : 296962765297.6/34

Left Out: -4.092 $\pm$ 0.000 χ^2/NDF : 39806766.7/24

Right Out: -3.923 $\pm$ 0.000 χ^2/NDF : 280221495630.4/36

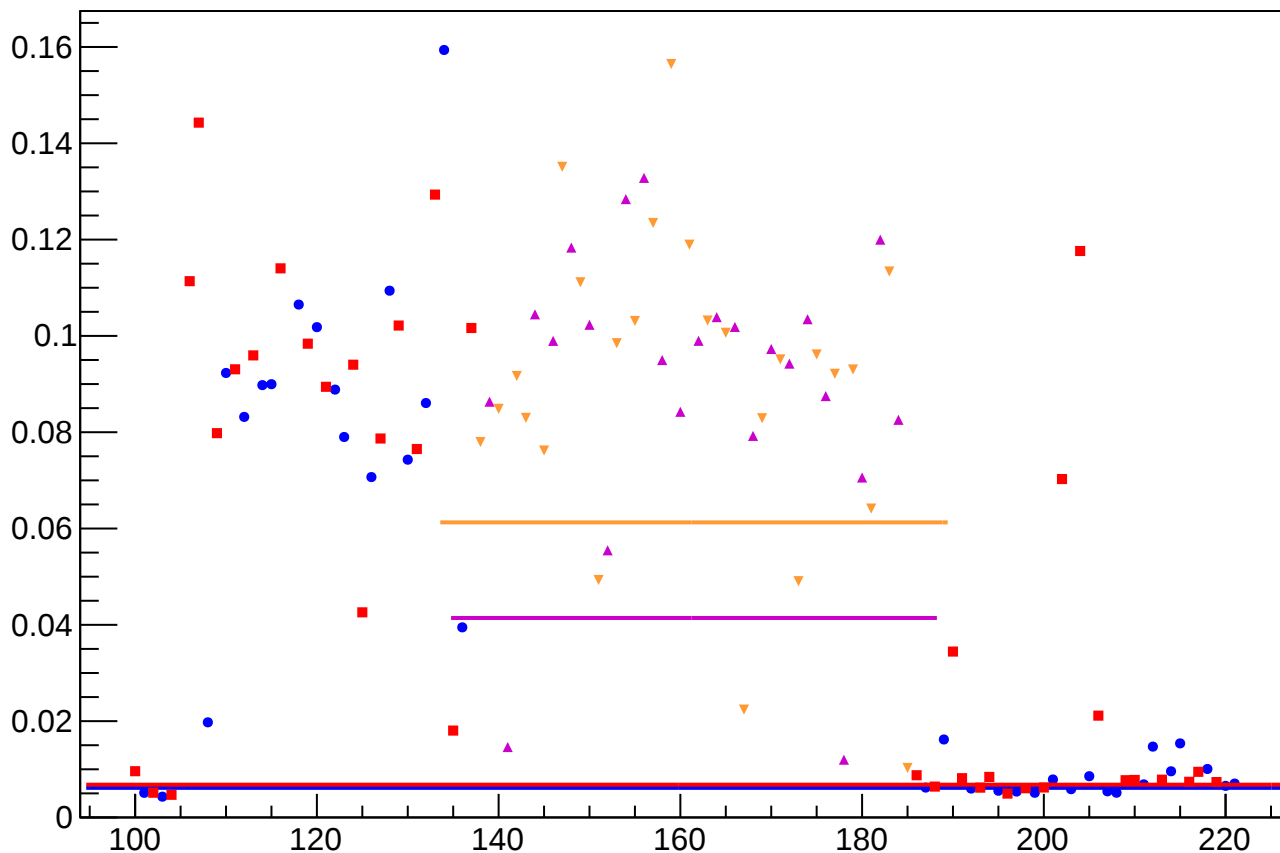
Left In: -4.088 $\pm$ 0.000 χ^2/NDF : 34412880.7/22

+ sign -4.029 $\pm$ 0.000 χ^2/NDF : 297014507738.4/59

All: -3.986 $\pm$ 0.000 χ^2/NDF : 577953581708.8

- sign -3.930 $\pm$ 0.000 χ^2/NDF : 280366579637.5/59

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8439254.5/34

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 10412871.3/36

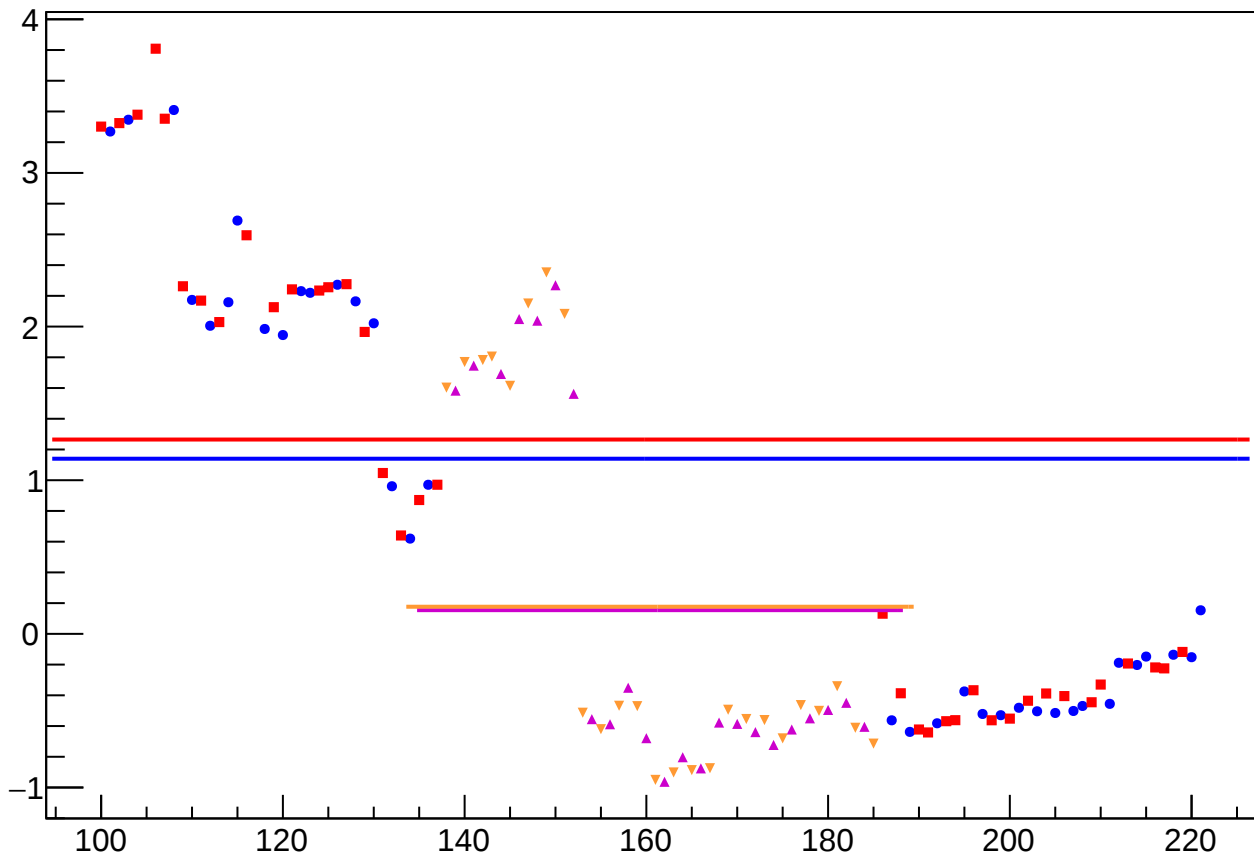
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 34350854.7/59

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 67779846.0/119

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33334775.0/59

yield_bpm0l03Y_mean vs Slug



Right In: 1.140 $\pm$ 0.000 χ^2 /NDF: 228510838599.4/34

Left Out: 0.177 $\pm$ 0.000 χ^2 /NDF: 3275313367.7/24

Right Out: 1.265 $\pm$ 0.000 χ^2 /NDF: 201017998628.2/36

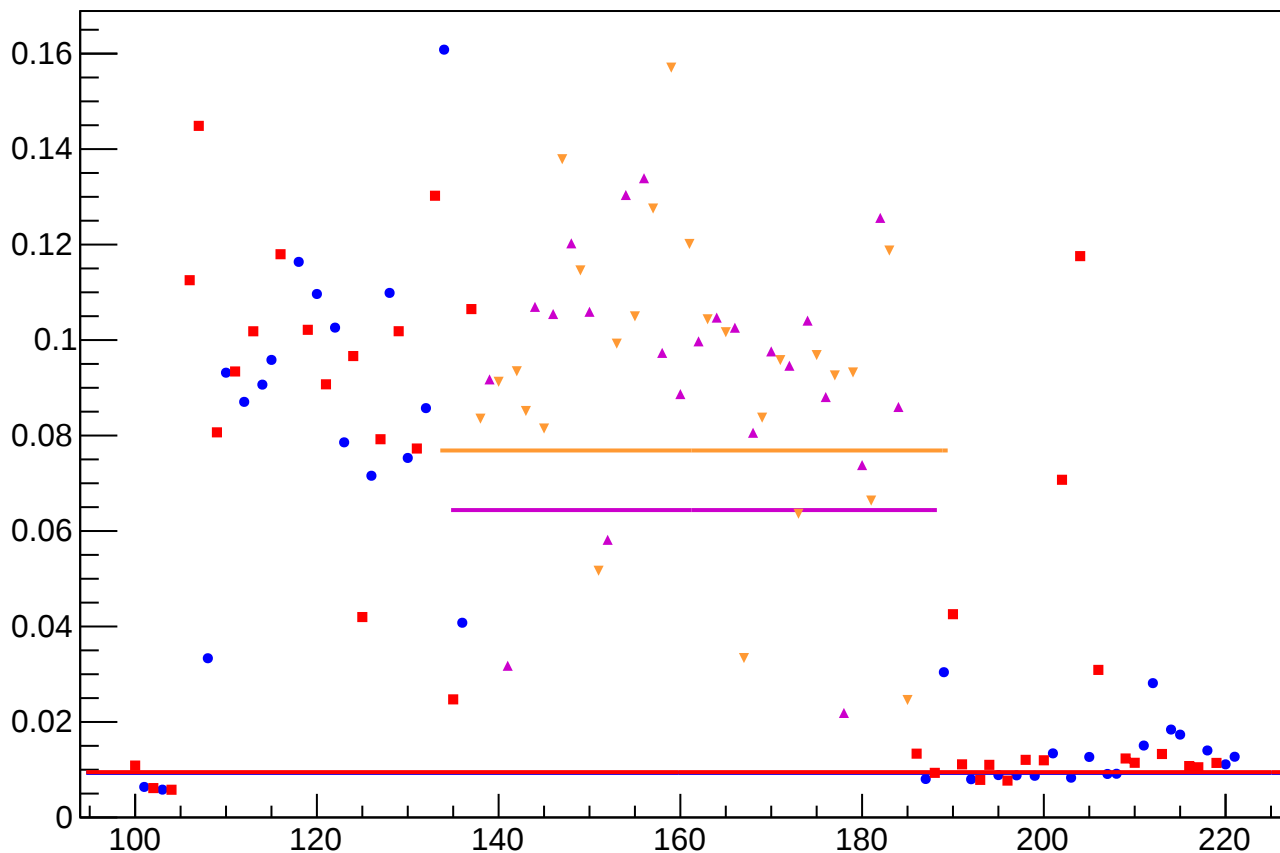
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF: 3163553595.0/22

+ sign 1.109 $\pm$ 0.000 χ^2 /NDF: 233822168856.6/59

All: 1.160 $\pm$ 0.000 χ^2 /NDF: 441445366882.0

- sign 1.218 $\pm$ 0.000 χ^2 /NDF: 207229345724.1/59

yield_bpm0l03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 8712375.3/34

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:4217954.3/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 10412652.0/36

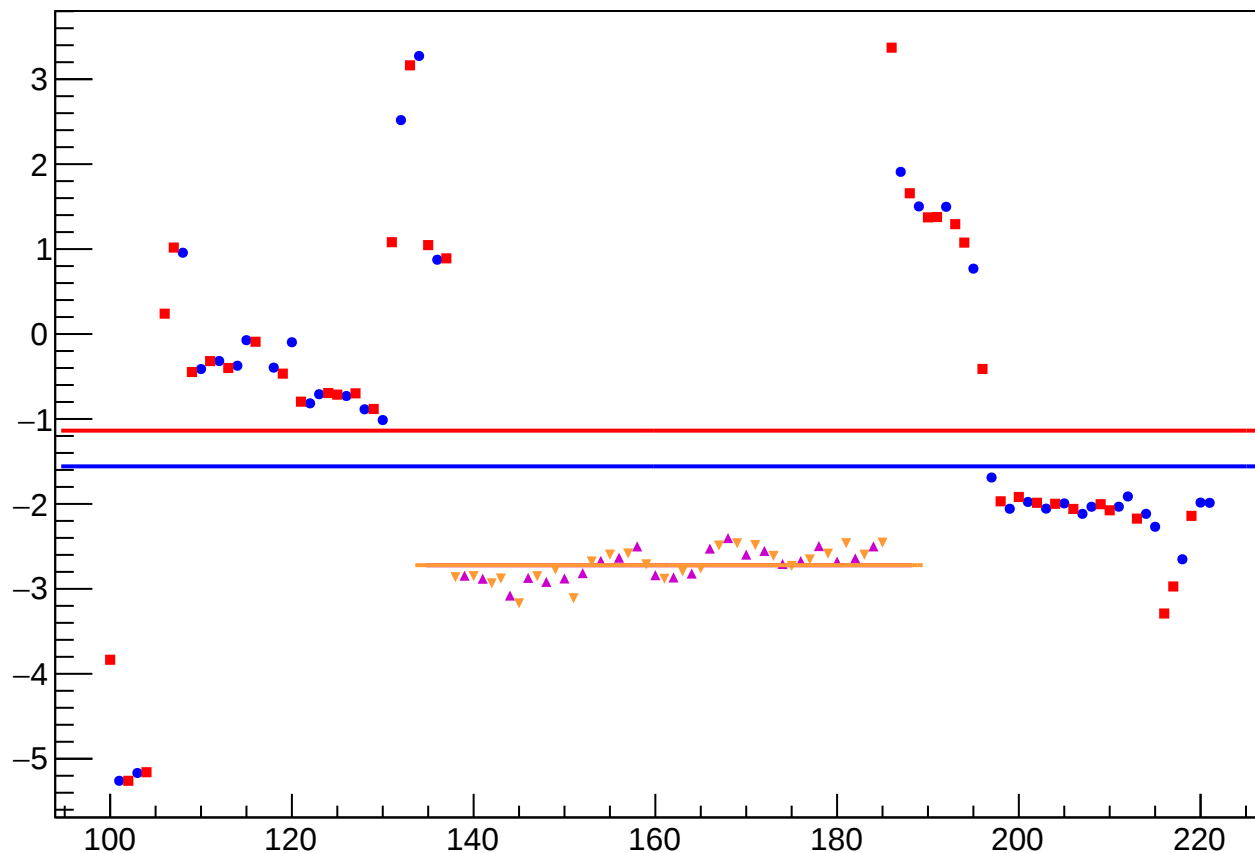
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32945300.9/59

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 65248787.3/119

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32298411.8/59

yield_bpm0l04X_mean vs Slug



Right In: -1.558 ± 0.000 $\chi^2/\text{NDF}: 210470587443.8/34$

Left Out: -2.721 ± 0.000 $\chi^2/\text{NDF}: 10397156971.6/24$

Right Out: -1.137 ± 0.000 $\chi^2/\text{NDF}: 251703816617.8/36$

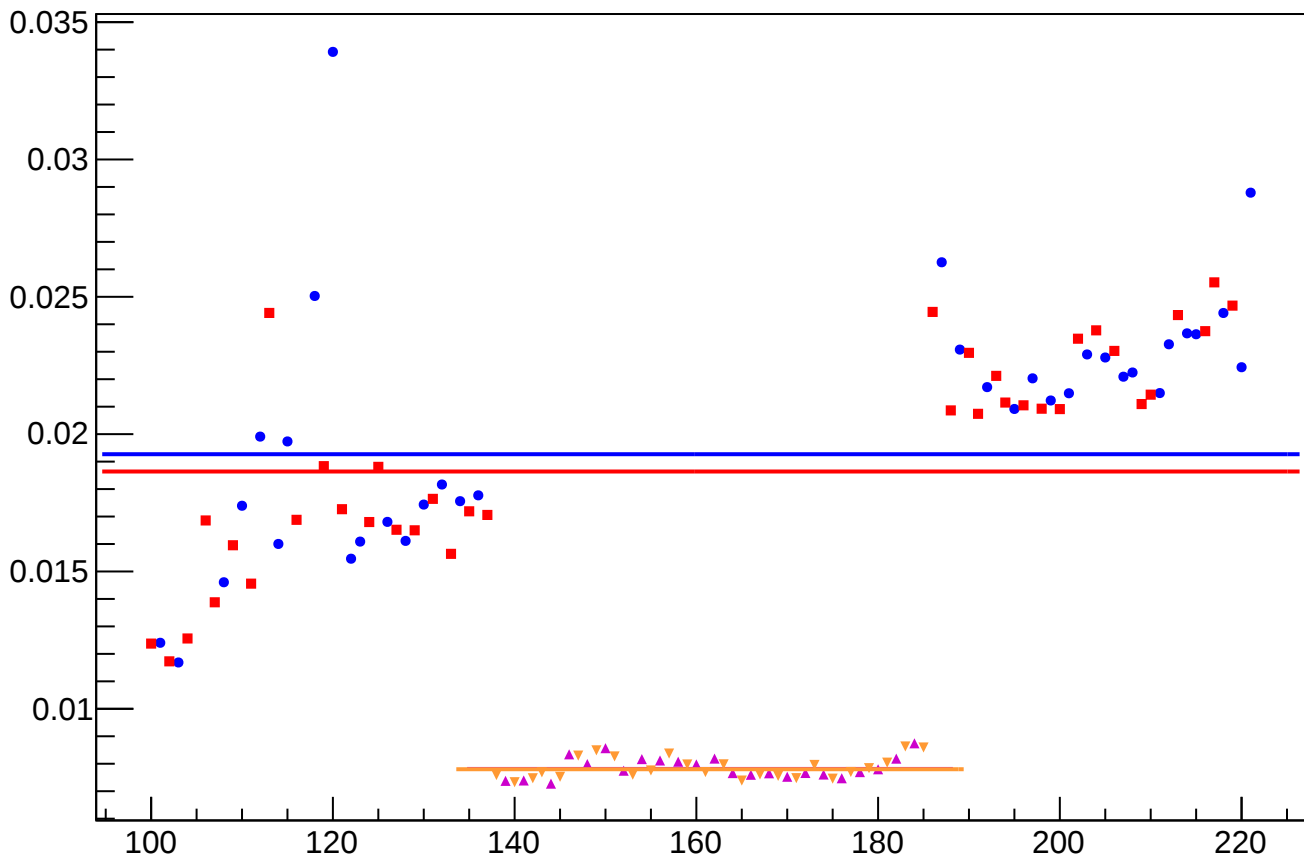
Left In: -2.722 ± 0.000 $\chi^2/\text{NDF}: 8146484592.1/22$

+ sign -2.557 ± 0.000 $\chi^2/\text{NDF}: 276304444701.4/59$

All: -2.518 ± 0.000 $\chi^2/\text{NDF}: 643904031706.1$

- sign -2.476 ± 0.000 $\chi^2/\text{NDF}: 366502747542.9/59$

yield_bpm0l04X_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1877616.5/34

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 71164.4/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 1672178.8/36

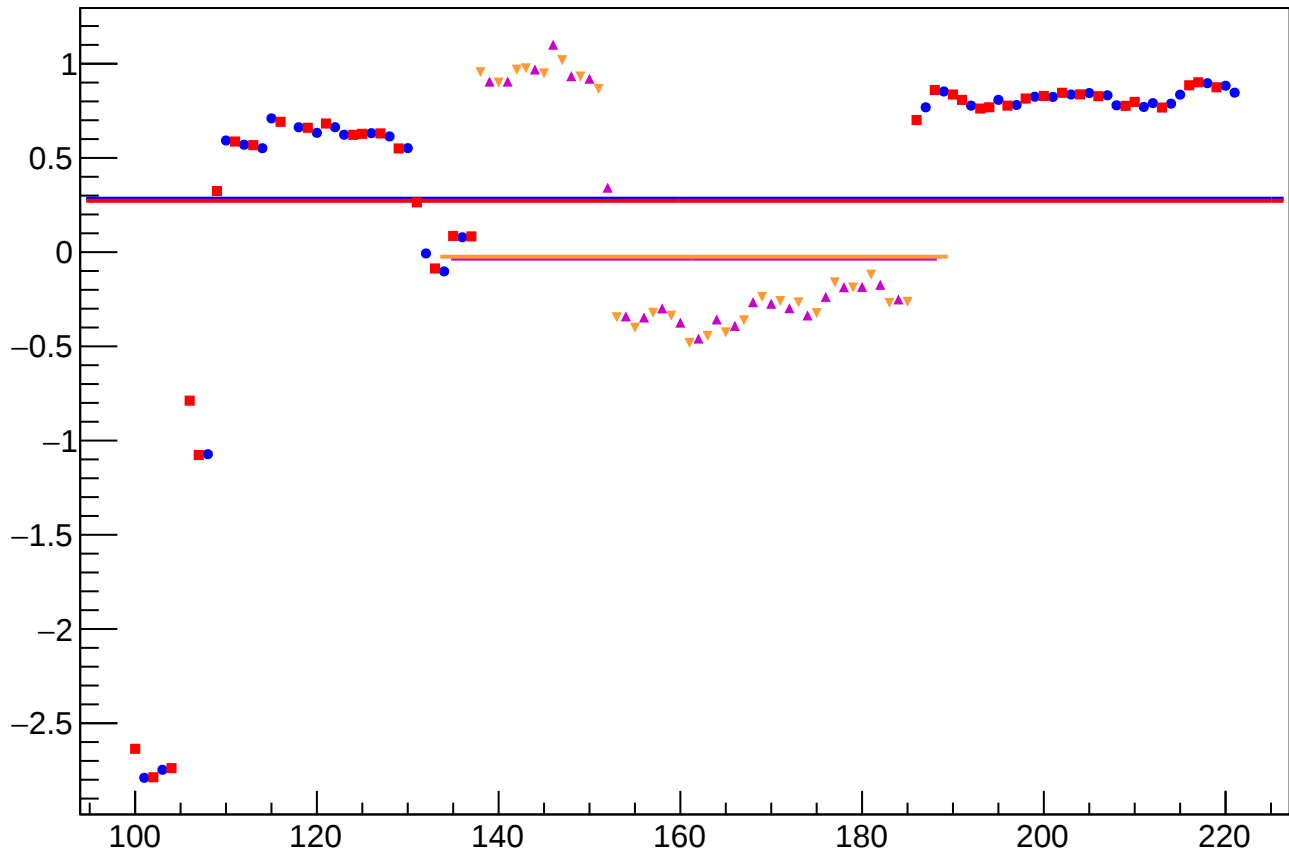
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 12724354.8/59

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 24426420.3/119

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 11700160.0/59

yield_bpm0l04Y_mean vs Slug



Right In: 0.284 $\pm$ 0.000 χ^2 /NDF: 922717168996.5/34

Left Out: -0.024 $\pm$ 0.000 χ^2 /NDF: 135451649275.0/24

Right Out: 0.272 $\pm$ 0.000 χ^2 /NDF: 971136065703.0/36

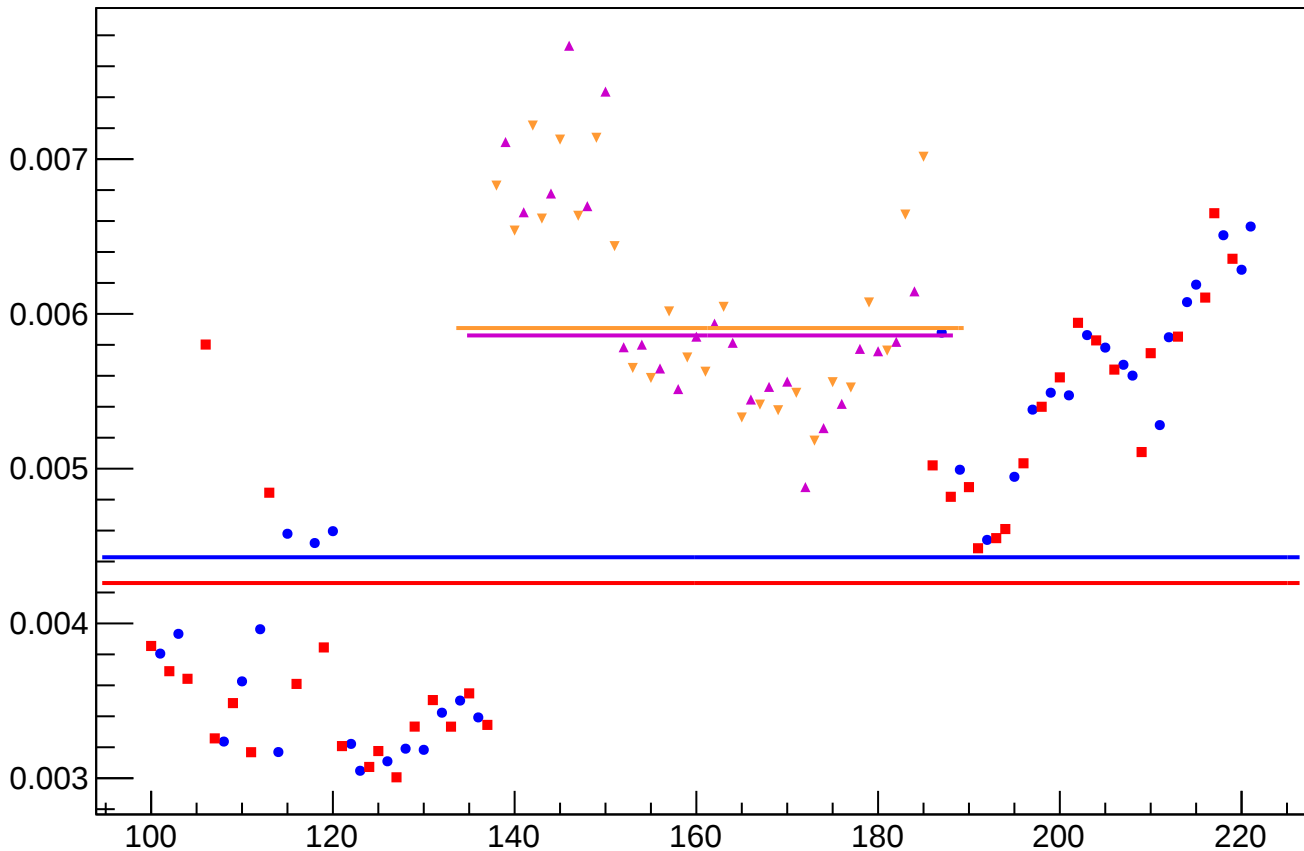
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF: 113929060918.1/22

+ sign 0.178 $\pm$ 0.000 χ^2 /NDF: 1088167046778.8/59

All: 0.175 $\pm$ 0.000 χ^2 /NDF: 2202863450385.0/118

- sign 0.173 $\pm$ 0.000 χ^2 /NDF: 1114681603211.3/59

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2371331.3/34

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2184143.5/36

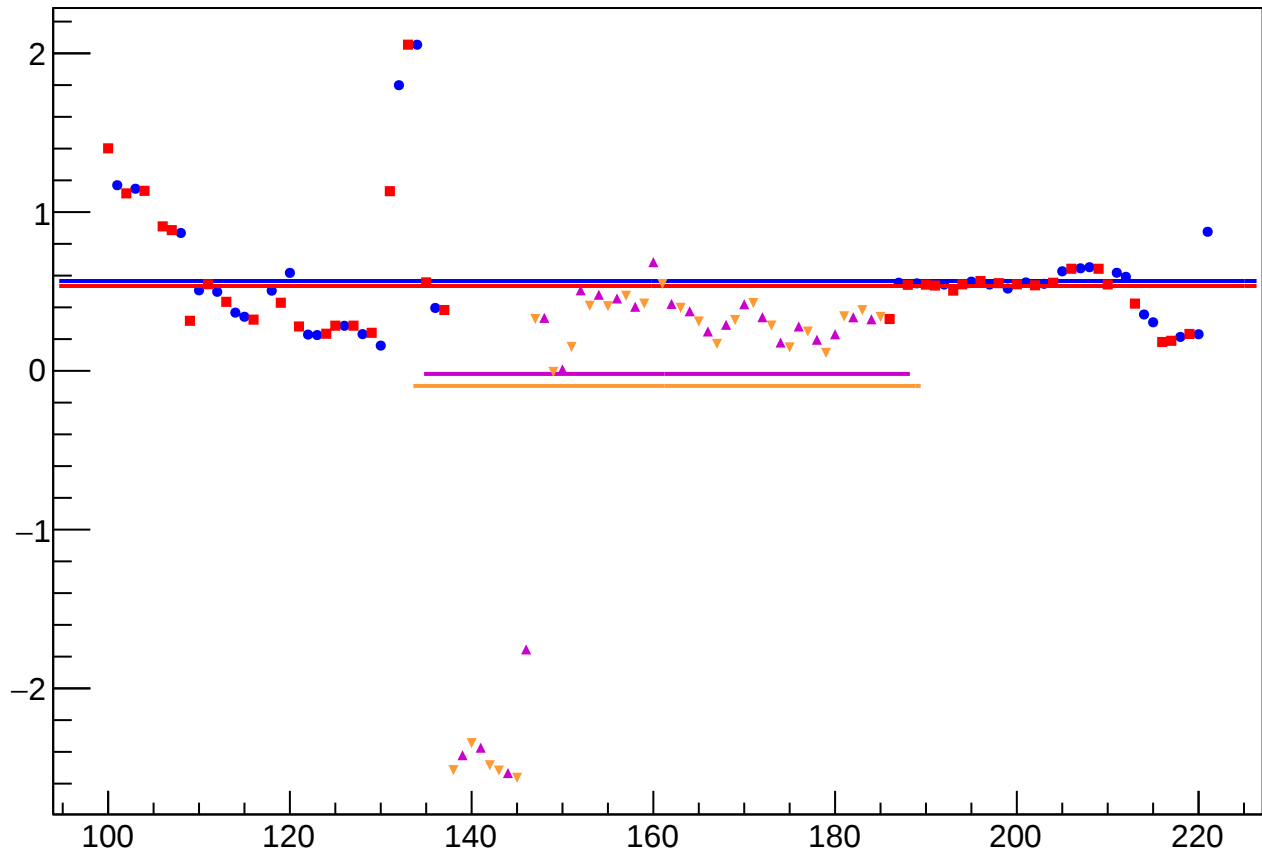
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4073222.0/59

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 8269090.0/119

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4160008.7/59

yield_bpm0l05X_mean vs Slug



Right In: 0.566 $\pm$ 0.000 χ^2 /NDF: 68392240777.4/34

Left Out: -0.095 $\pm$ 0.000 χ^2 /NDF: 505606573631.9/24

Right Out: 0.535 $\pm$ 0.000 χ^2 /NDF: 68828861695.2/36

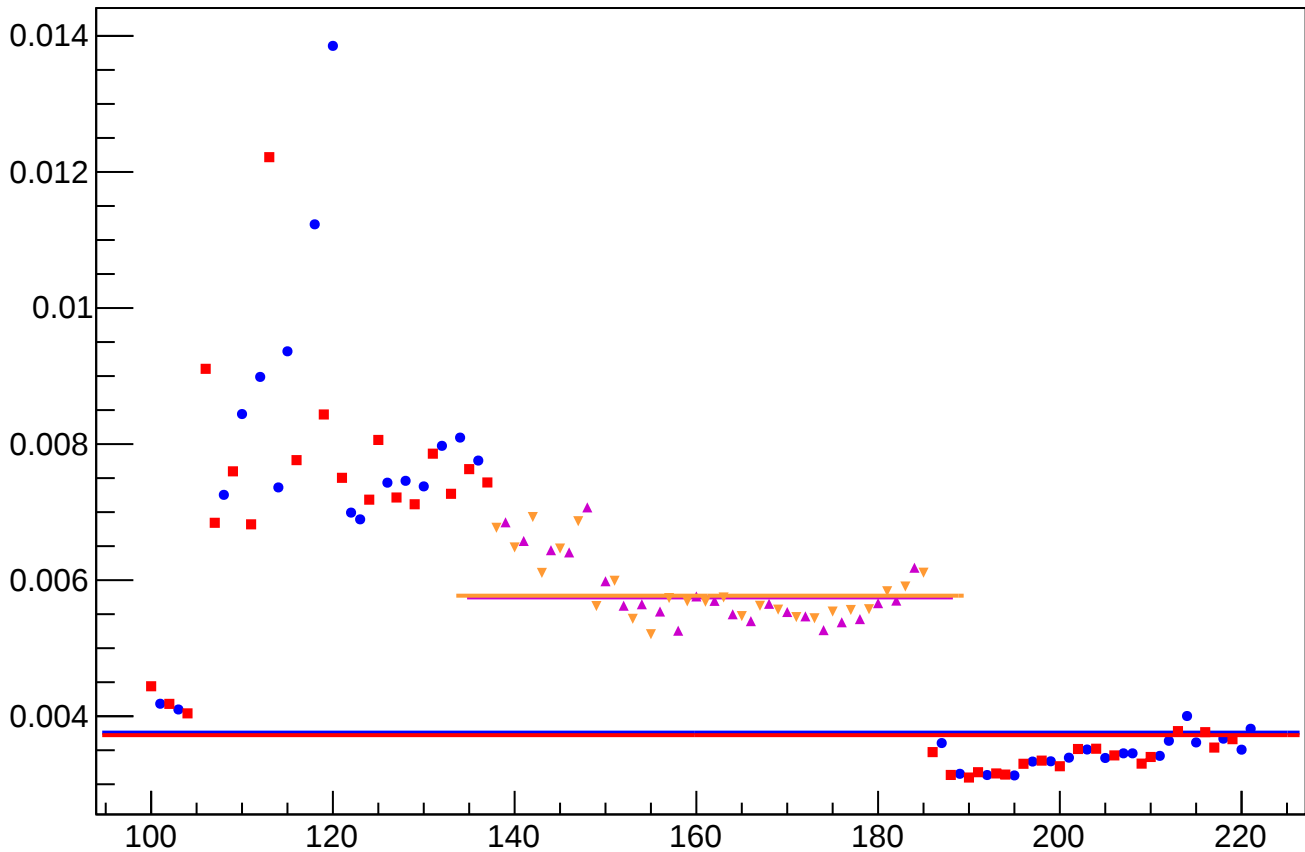
Left In: -0.019 $\pm$ 0.000 χ^2 /NDF: 417104863944.5/22

+ sign 0.368 $\pm$ 0.000 χ^2 /NDF: 731834163823.1/59

All: 0.371 $\pm$ 0.000 χ^2 /NDF: 1325417257016.

- sign 0.374 $\pm$ 0.000 χ^2 /NDF: 593552661878.6/59

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3162340.4/34

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:177680.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3198605.2/36

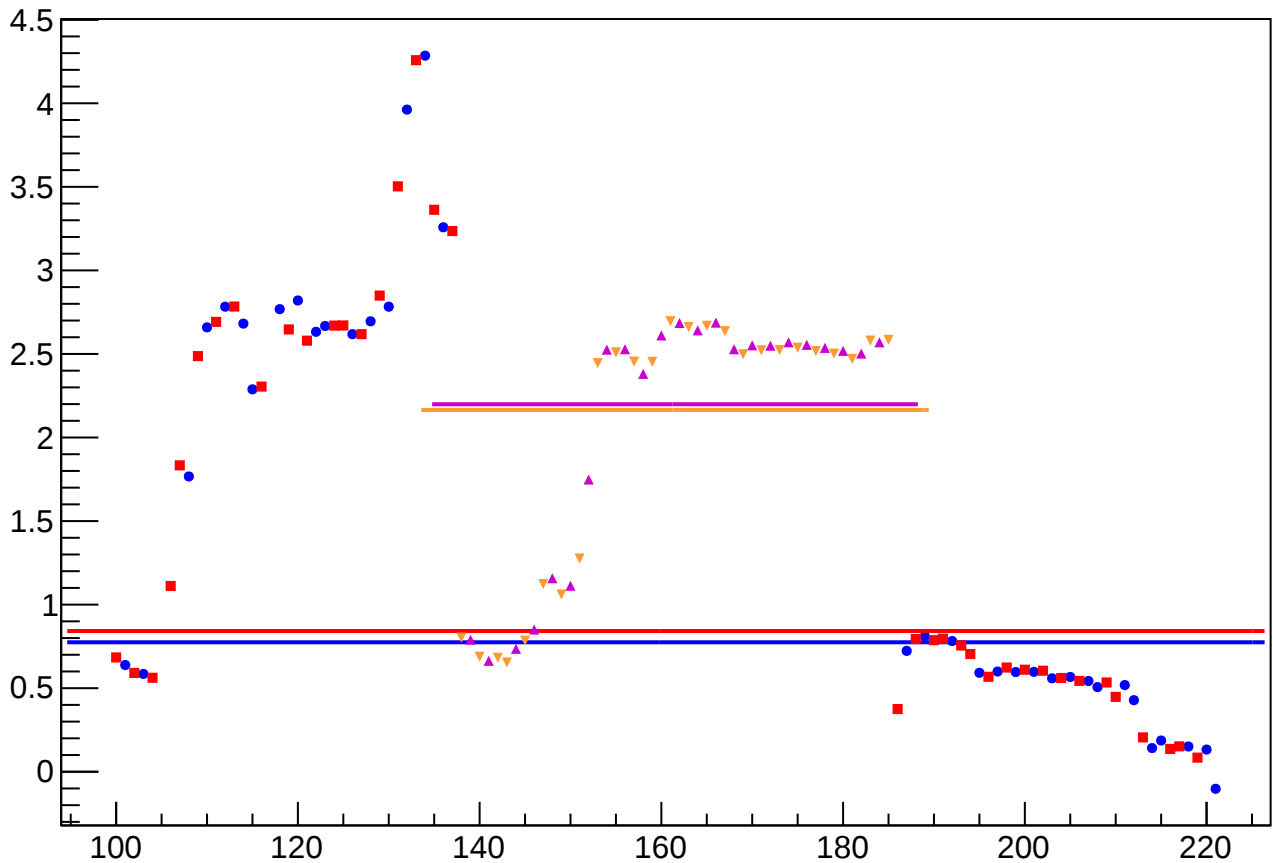
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6267300.1/59

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12550163.6/119

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6277967.7/59

yield_bpm0l05Y_mean vs Slug



Right In: 0.775+/-0.000 χ^2/NDF : 360419544603.6/34

Left Out: 2.165+/-0.000 χ^2/NDF : 292800056899.6/24

Right Out: 0.842+/-0.000 χ^2/NDF : 400196831622.0/36

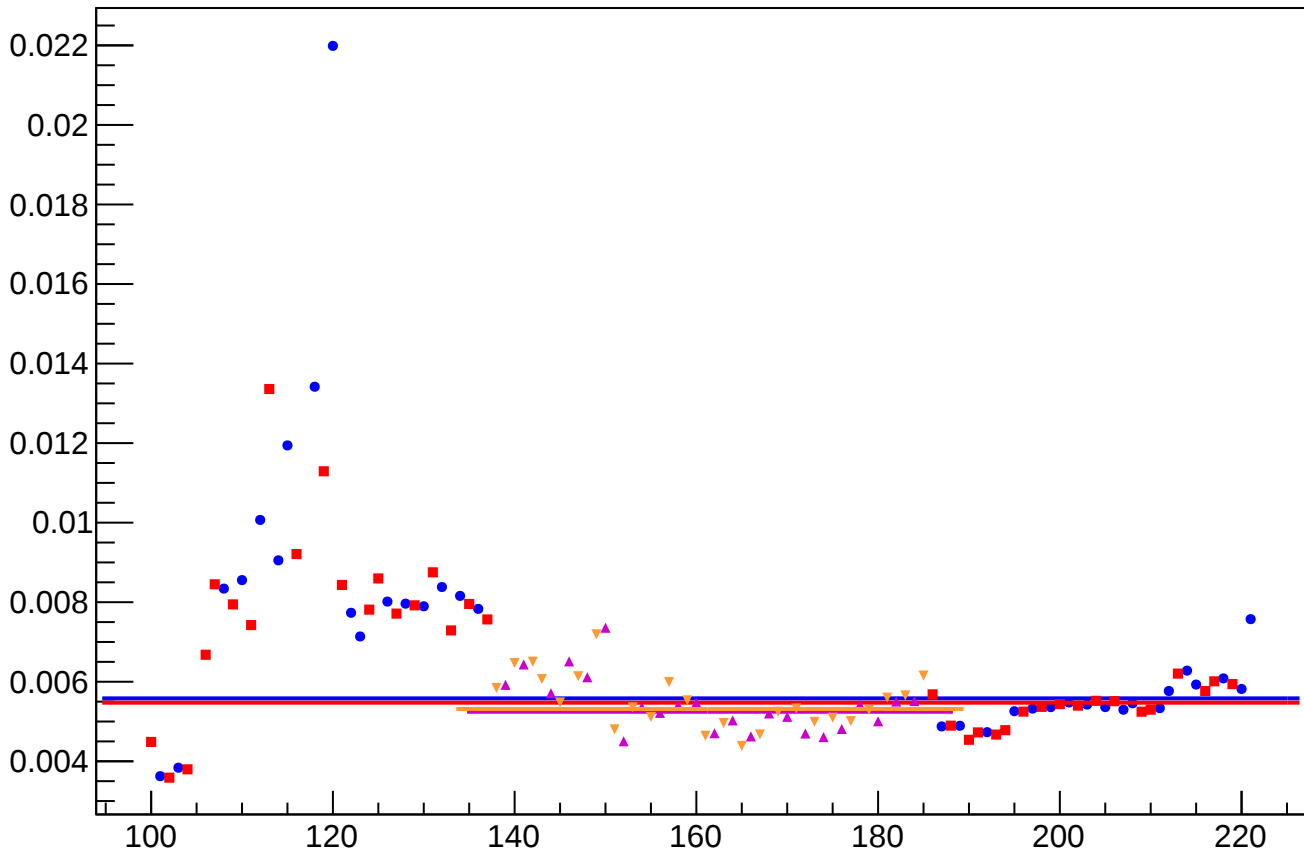
Left In: 2.199+/-0.000 χ^2/NDF : 253166239065.4/22

+ sign 1.486+/-0.000 χ^2/NDF : 1207737031305.1/59

All: 1.502+/-0.000 χ^2/NDF : 2391254103709.6

- sign 1.517+/-0.000 χ^2/NDF : 1182955541223.7/59

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2187445.8/34

Left Out: 0.005+/-0.000 χ^2/NDF : 398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1931944.5/36

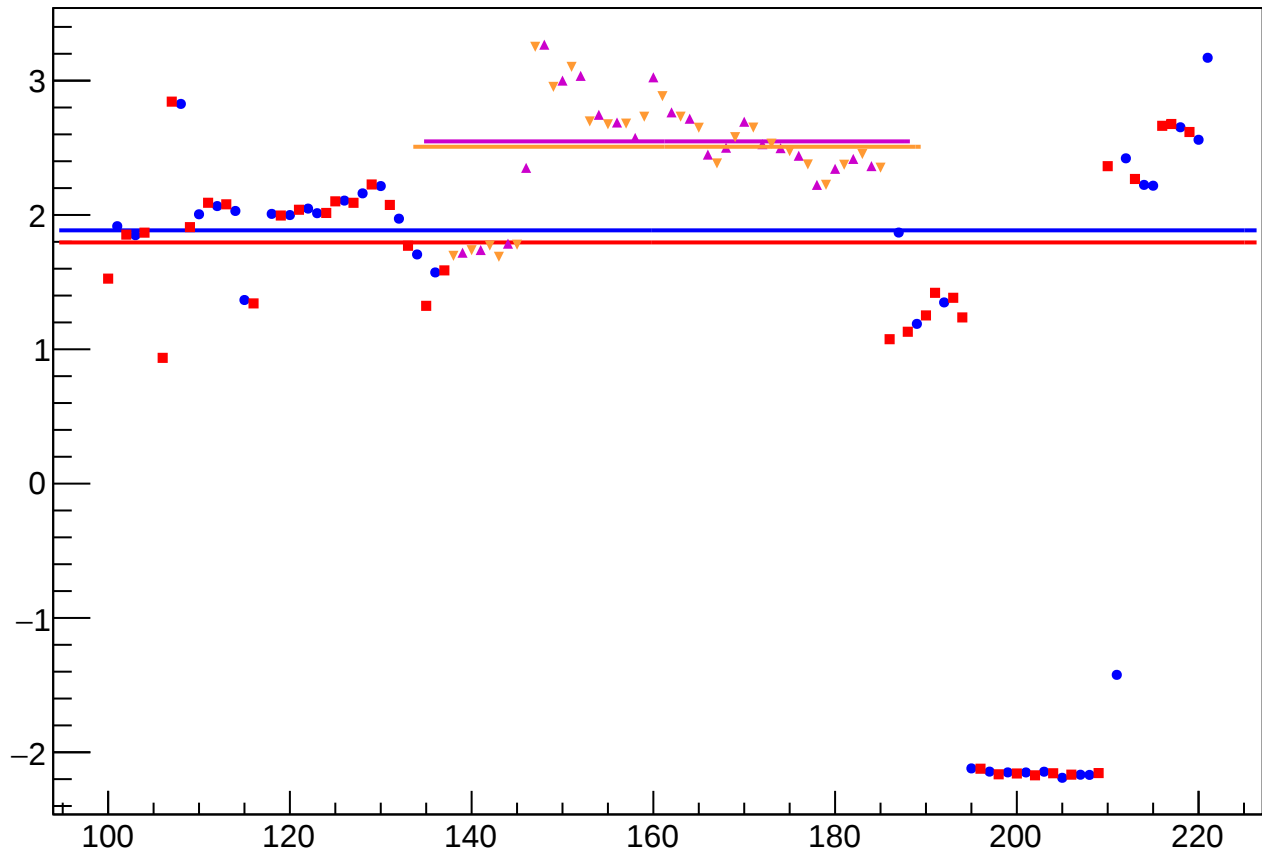
Left In: 0.005+/-0.000 χ^2/NDF : 425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2627059.9/59

All: 0.005+/-0.000 χ^2/NDF : 5023196.6/119

- sign 0.005+/-0.000 χ^2/NDF : 2387784.2/59

yield_bpm0l06X_mean vs Slug



Right In: 1.886 $\pm$ 0.000 χ^2 /NDF: 183249310566.2/34

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.795 $\pm$ 0.000 χ^2 /NDF: 159693221864.9/36

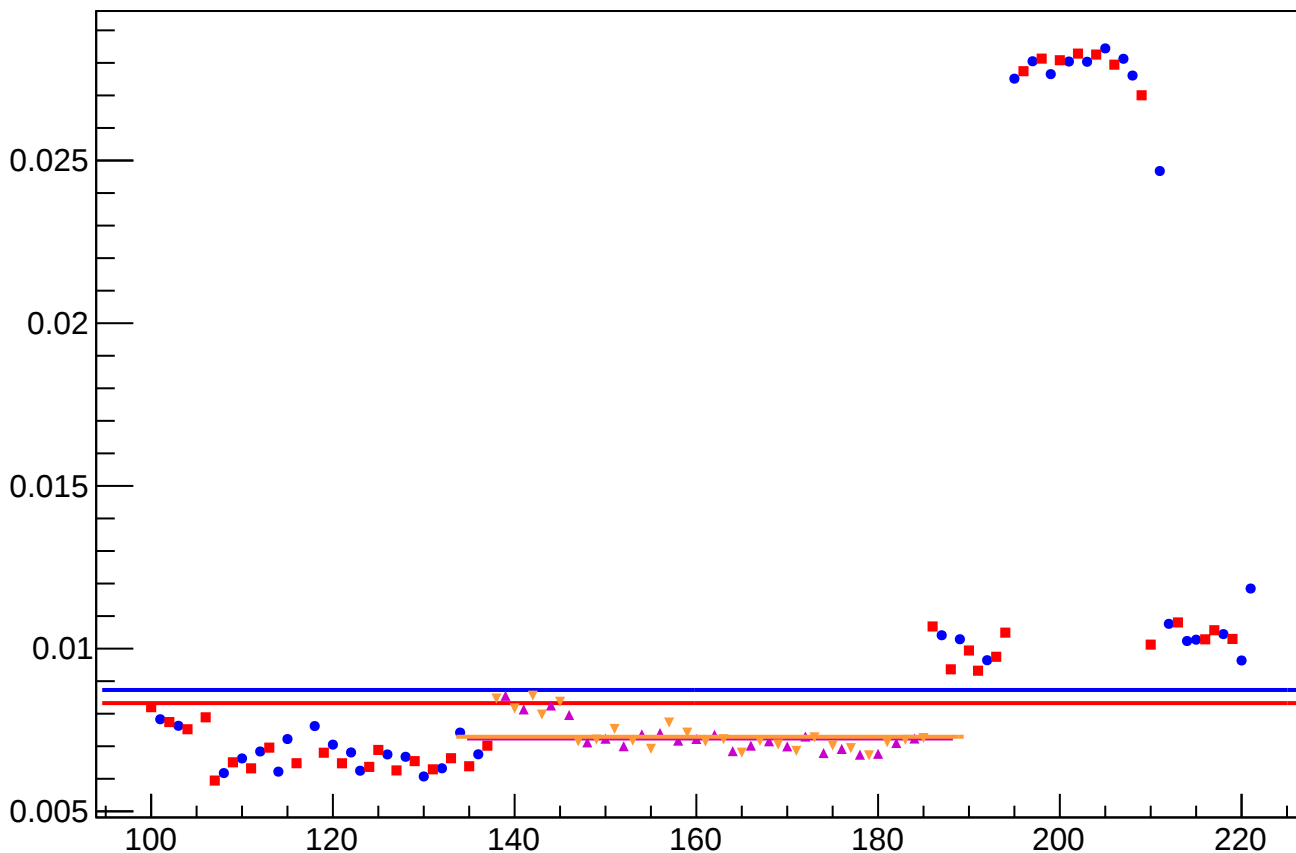
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.271 $\pm$ 0.000 χ^2 /NDF: 283937839427.2/59

All: 2.254 $\pm$ 0.000 χ^2 /NDF: 563535944092.5

- sign 2.236 $\pm$ 0.000 χ^2 /NDF: 279272204429.1/59

yield_bpm0l06X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 7864823.3/34

Left Out: 0.007+/-0.000 χ^2/NDF :140788.4/24

Right Out: 0.008+/-0.000 χ^2/NDF : 6582819.3/36

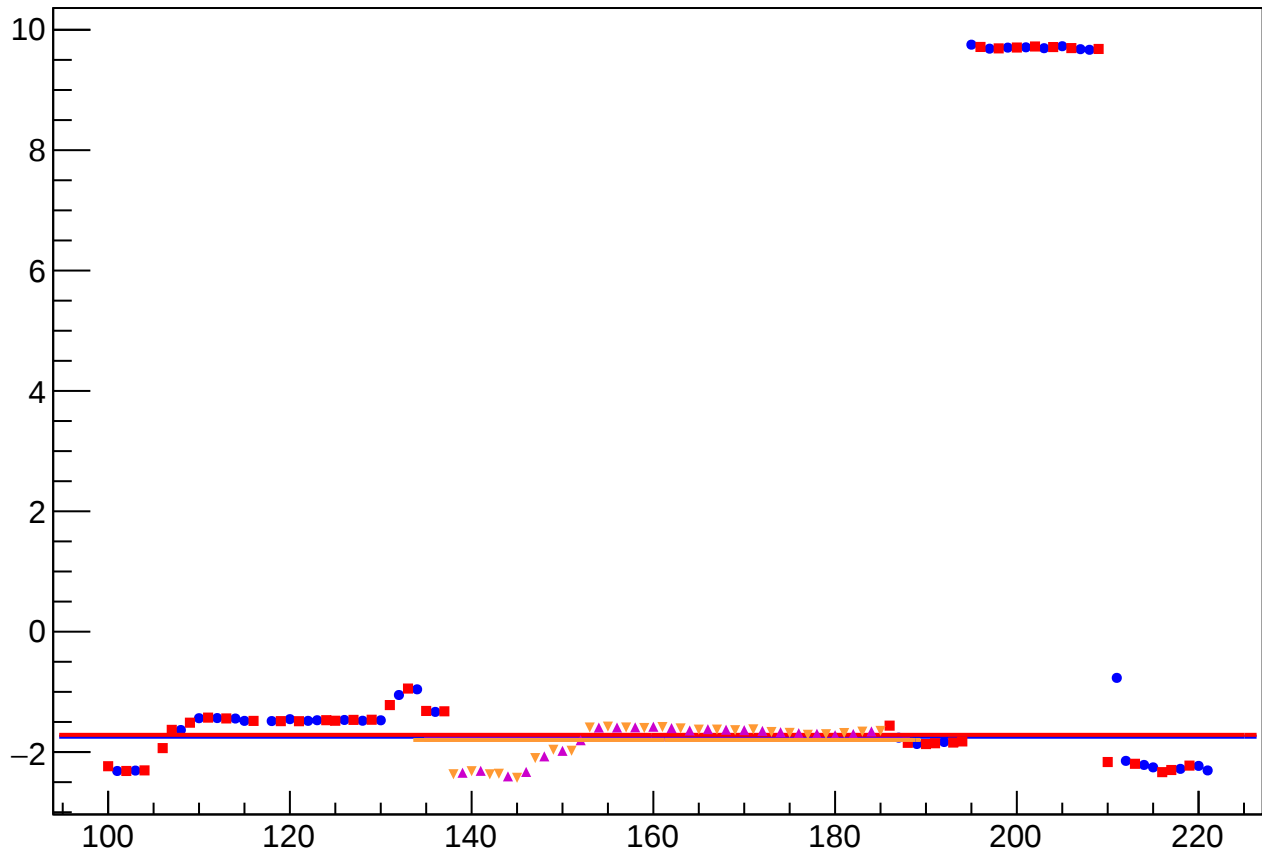
Left In: 0.007+/-0.000 χ^2/NDF :125233.2/22

+ sign 0.008+/-0.000 χ^2/NDF : 8521534.1/59

All: 0.008+/-0.000 χ^2/NDF : 15551693.0/119

- sign 0.008+/-0.000 χ^2/NDF : 7018150.3/59

yield_bpm0l06Y_mean vs Slug



Right In: -1.745+/-0.000 χ^2/NDF : 445299601235.7/34

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.714+/-0.000 χ^2/NDF : 410213697314.9/36

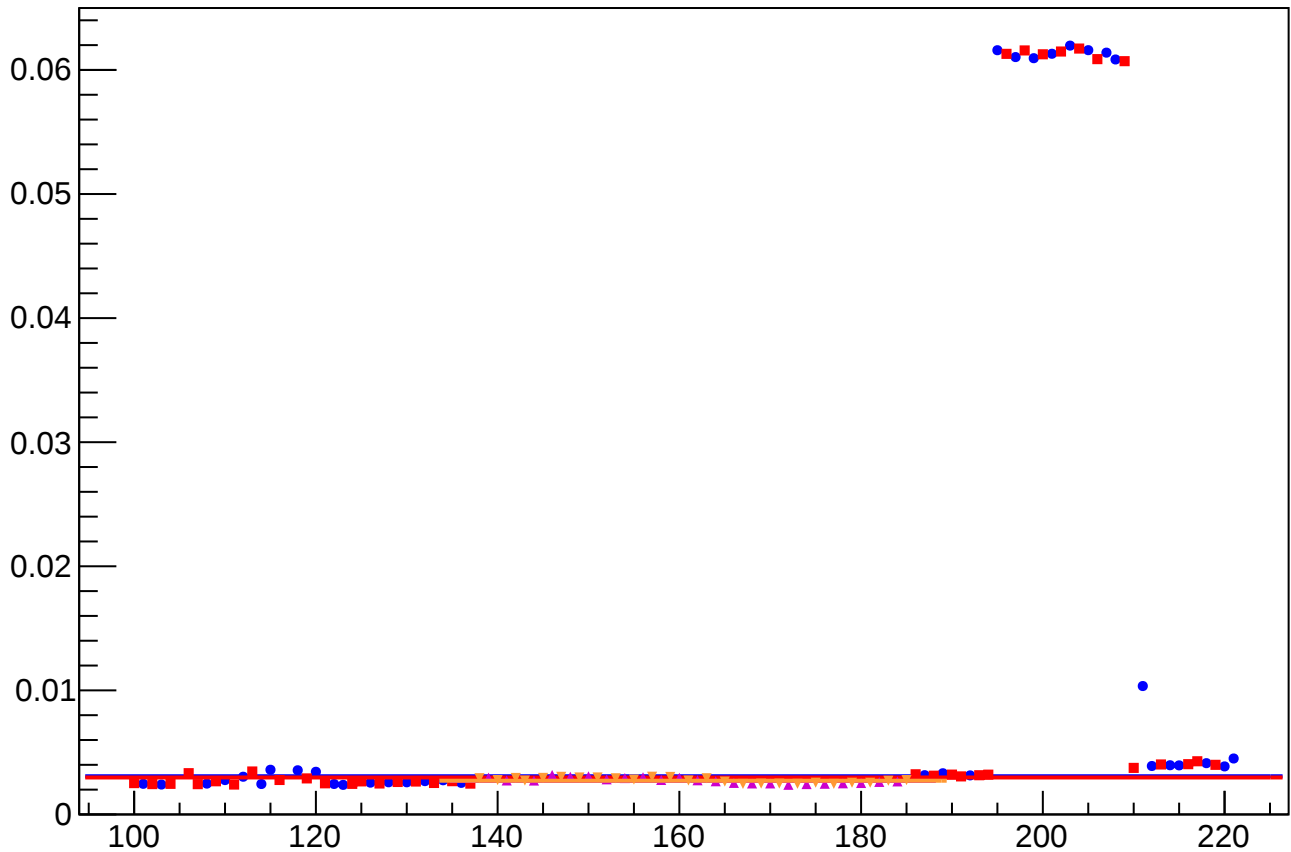
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.780+/-0.000 χ^2/NDF : 633111309913.2/59

All: -1.770+/-0.000 χ^2/NDF : 1209022001556

- sign -1.760+/-0.000 χ^2/NDF : 575166058976.0/59

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 12440384.8/34

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 10478092.9/36

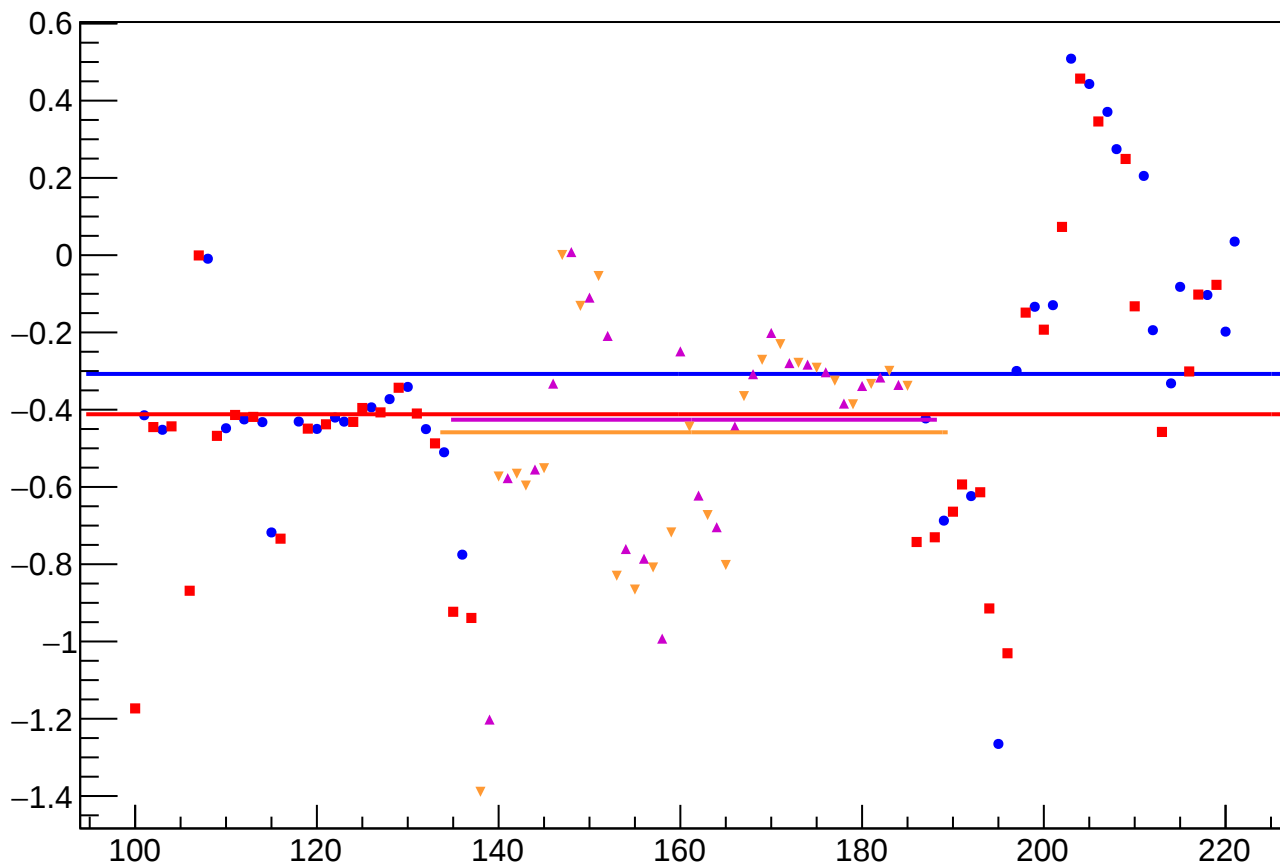
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 12862890.1/59

All: 0.003+/-0.000 χ^2/NDF : 23707293.1/119

- sign 0.003+/-0.000 χ^2/NDF : 10839584.6/59

yield_bpm0l07X_mean vs Slug



Right In: -0.307 ± 0.000 $\chi^2/\text{NDF}: 11282014969.0/34$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 9916462814.9/24$

Right Out: -0.412 ± 0.000 $\chi^2/\text{NDF}: 10650195659.7/36$

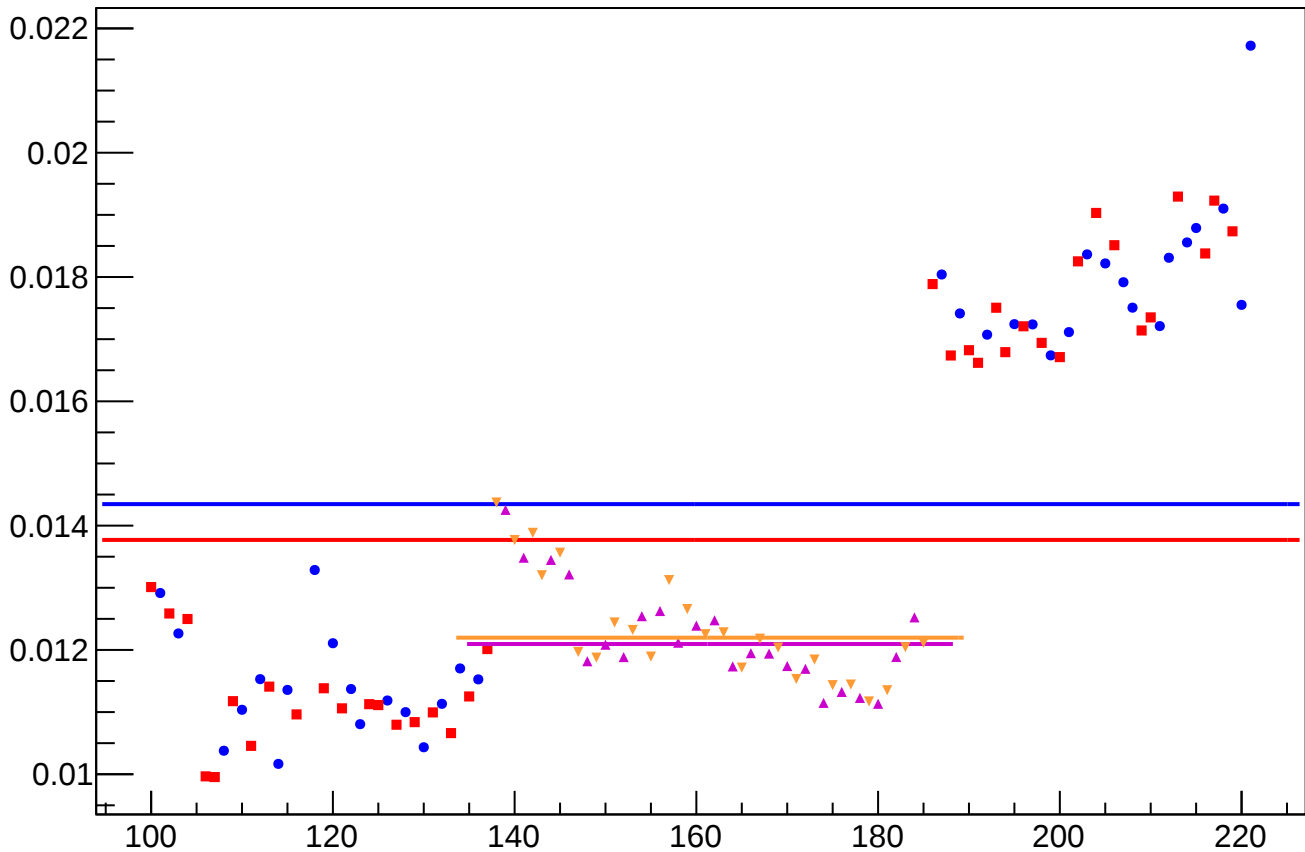
Left In: -0.426 ± 0.000 $\chi^2/\text{NDF}: 8424222576.0/22$

+ sign -0.394 ± 0.000 $\chi^2/\text{NDF}: 22357292347.9/59$

All: -0.407 ± 0.000 $\chi^2/\text{NDF}: 41512051408.2/100$

- sign -0.420 ± 0.000 $\chi^2/\text{NDF}: 19084792008.1/59$

yield_bpm0l07X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1981201.0/34

Left Out: 0.012+/-0.000 χ^2/NDF :141850.9/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2084896.5/36

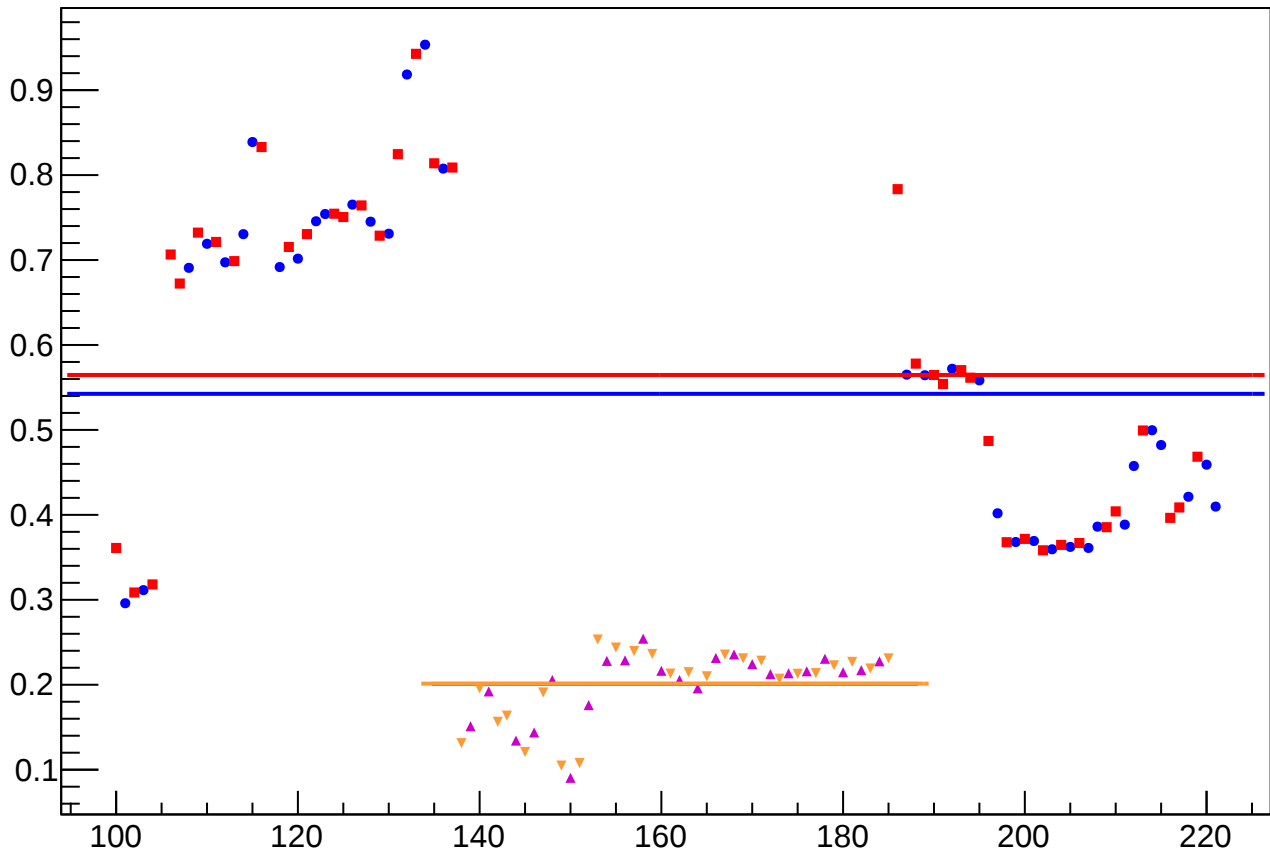
Left In: 0.012+/-0.000 χ^2/NDF :127308.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 2591802.7/59

All: 0.013+/-0.000 χ^2/NDF : 5107953.1/119

- sign 0.013+/-0.000 χ^2/NDF : 2501683.6/59

yield_bpm0l07Y_mean vs Slug



Right In: 0.542 $\pm$ 0.000 χ^2 /NDF: 79231887268.0/34

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.565 $\pm$ 0.000 χ^2 /NDF: 77723971742.5/36

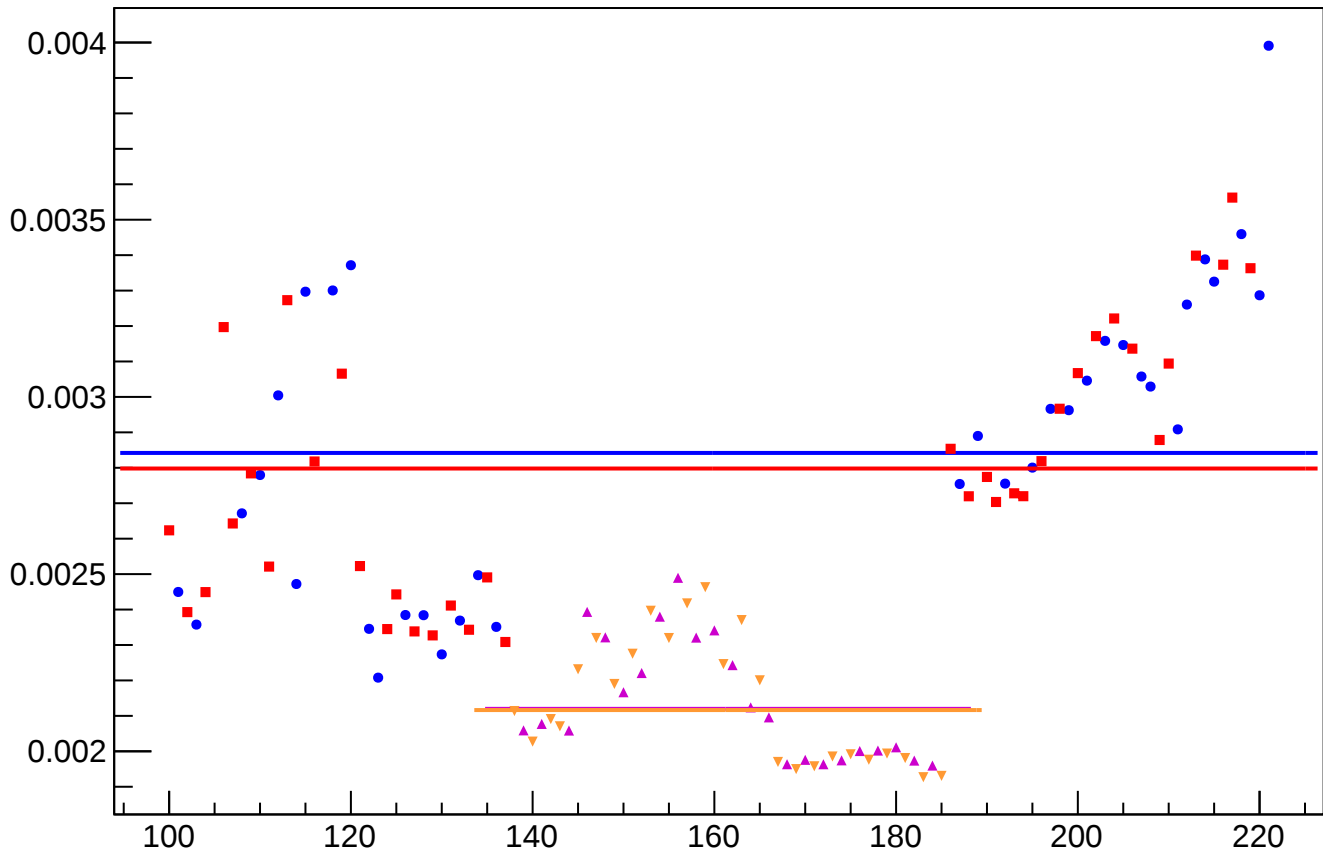
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.326 $\pm$ 0.000 χ^2 /NDF: 259089631108.4/59

All: 0.333 $\pm$ 0.000 χ^2 /NDF: 536417322453.8

- sign 0.341 $\pm$ 0.000 χ^2 /NDF: 276699306788.7/59

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2/NDF : 774054.4/34

Left Out: 0.002 $\pm$ 0.000 χ^2/NDF : 224498.3/24

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 565959.4/36

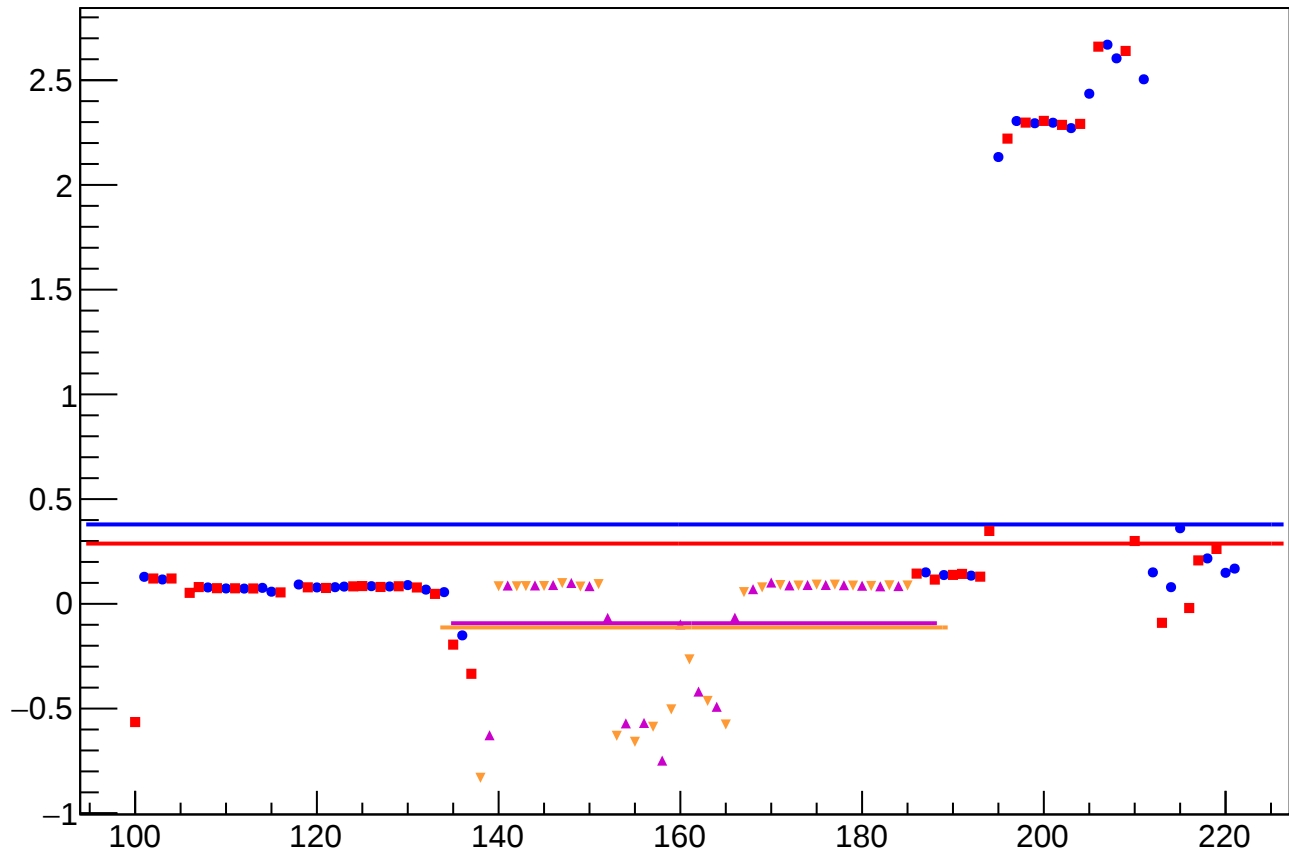
Left In: 0.002 $\pm$ 0.000 χ^2/NDF : 189228.6/22

+ sign 0.002 $\pm$ 0.000 χ^2/NDF : 2561356.3/59

All: 0.002 $\pm$ 0.000 χ^2/NDF : 4661113.1/119

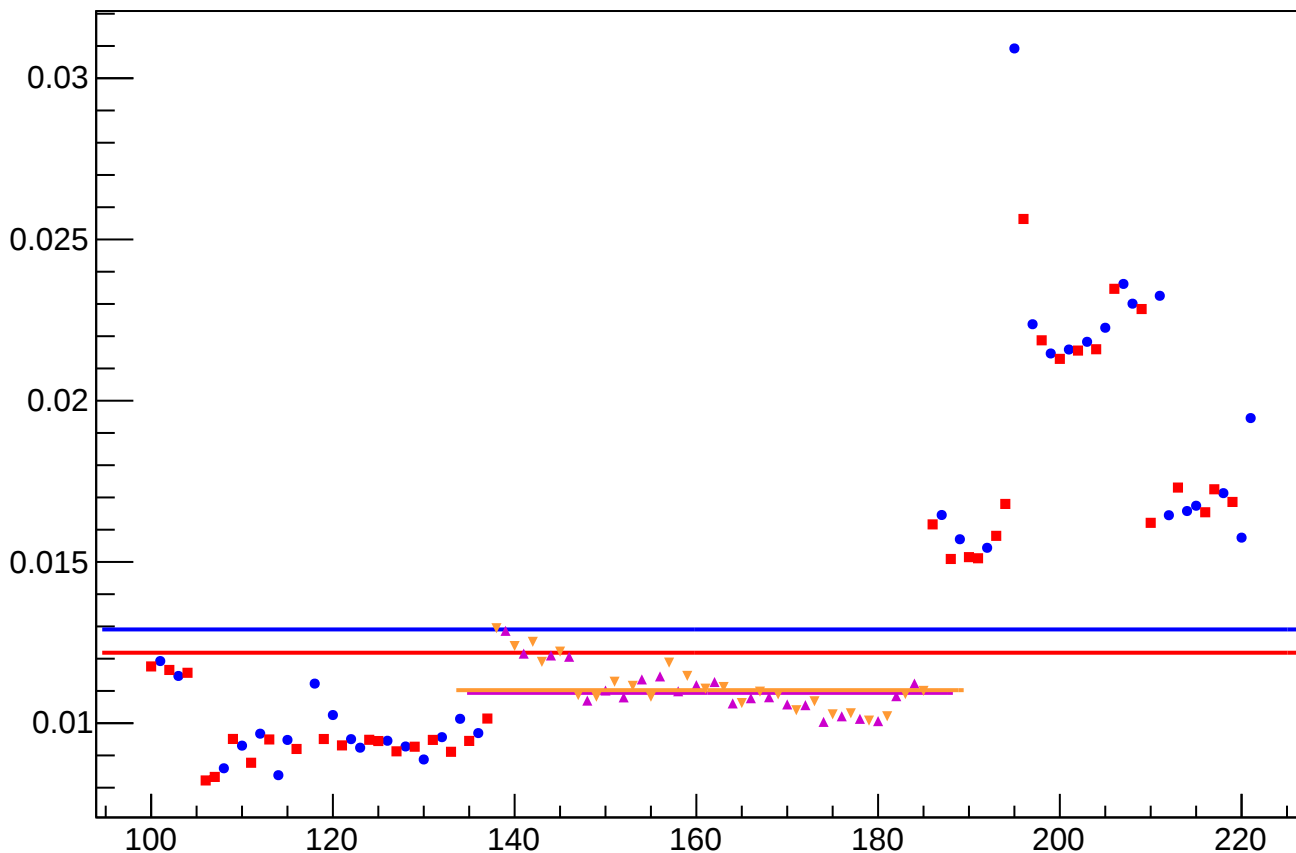
- sign 0.002 $\pm$ 0.000 χ^2/NDF : 2099718.1/59

yield_bpm0l08X_mean vs Slug



Right In: 0.379+/-0.000	χ^2/NDF : 61738883600.3/34	+ sign 0.091+/-0.000	χ^2/NDF : 89891805338.1/59
Left Out: -0.113+/-0.000	χ^2/NDF : 13667354077.1/24	All: 0.084+/-0.000	χ^2/NDF : 162406828672.0
Right Out: 0.288+/-0.000	χ^2/NDF : 52423515713.0/36	- sign 0.078+/-0.000	χ^2/NDF : 72496194992.5/59
Left In: -0.093+/-0.000	χ^2/NDF : 11051944893.7/22		

yield_bpm0l08X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 4835159.3/34

Left Out: 0.011+/-0.000 χ^2/NDF :141501.7/24

Right Out: 0.012+/-0.000 χ^2/NDF : 4404792.0/36

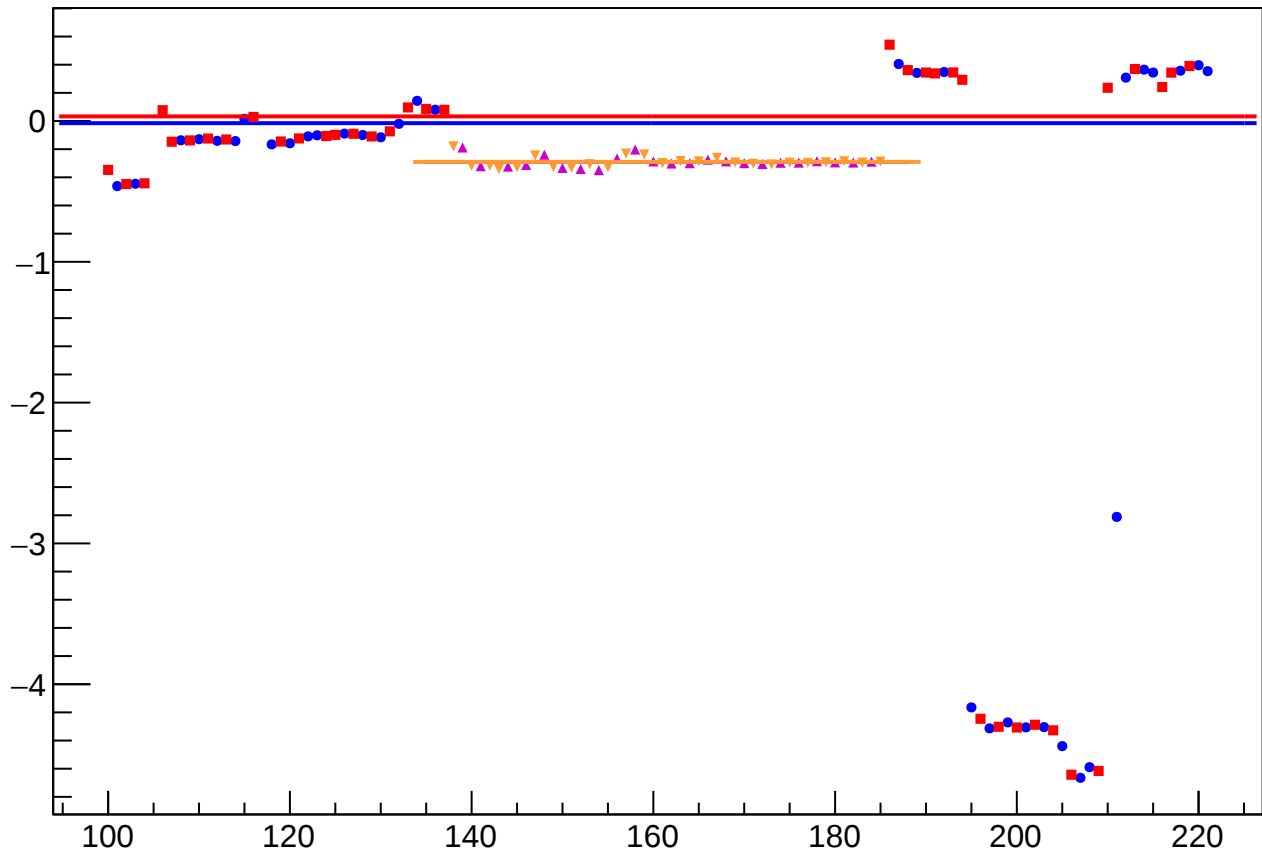
Left In: 0.011+/-0.000 χ^2/NDF :128914.2/22

+ sign 0.012+/-0.000 χ^2/NDF : 5401287.8/59

All: 0.012+/-0.000 χ^2/NDF : 10150937.2/119

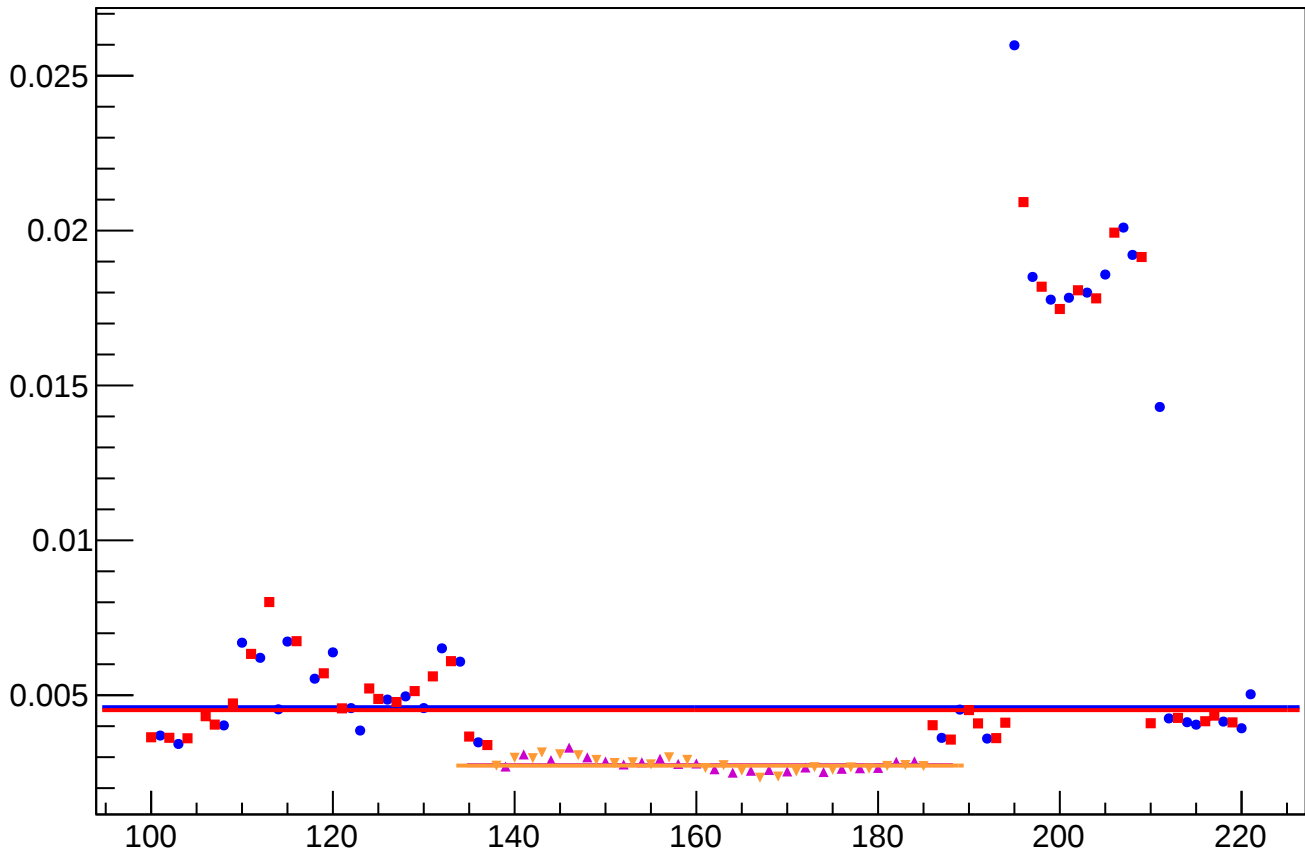
- sign 0.011+/-0.000 χ^2/NDF : 4726830.3/59

yield_bpm0l08Y_mean vs Slug



Right In: -0.015+/-0.000	χ^2/NDF : 411367282567.6/34	+ sign -0.229+/-0.000	χ^2/NDF : 454178554477.2/59
Left Out: -0.290+/-0.000	χ^2/NDF : 2877519093.0/24	All: -0.220+/-0.000	χ^2/NDF : 871936237469.8
Right Out: 0.033+/-0.000	χ^2/NDF : 356864128232.7/36	- sign -0.211+/-0.000	χ^2/NDF : 417266709491.4/59
Left In: -0.291+/-0.000	χ^2/NDF : 3125402243.3/22		

yield_bpm0l08Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 8664027.2/34

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 6993907.2/36

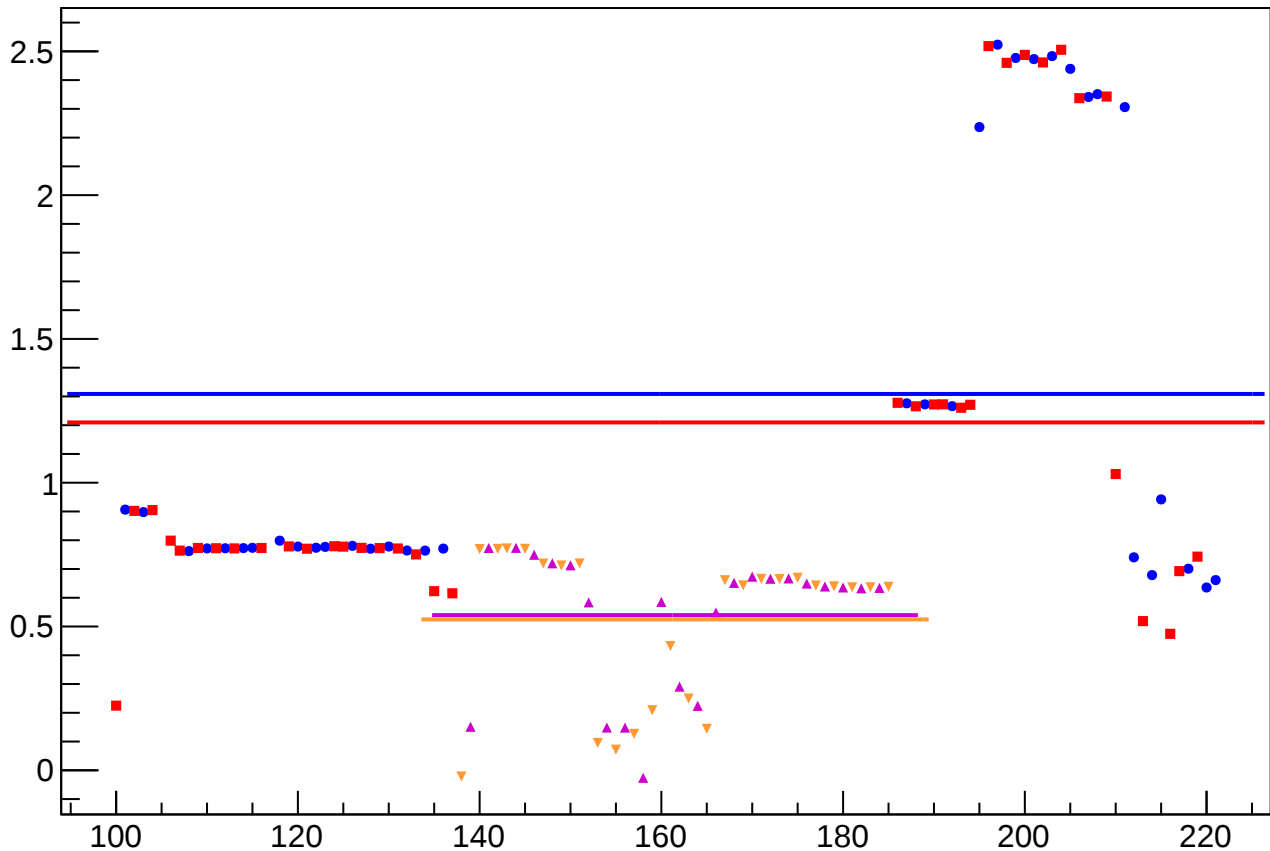
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 12617605.5/59

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 23208515.0/119

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 10587544.4/59

yield_bpm0l09X_mean vs Slug



Right In: 1.309 $\pm$ 0.000 χ^2 /NDF: 63201184629.8/34

Left Out: 0.525 $\pm$ 0.000 χ^2 /NDF: 9623503169.9/24

Right Out: 1.210 $\pm$ 0.000 χ^2 /NDF: 57548000355.3/36

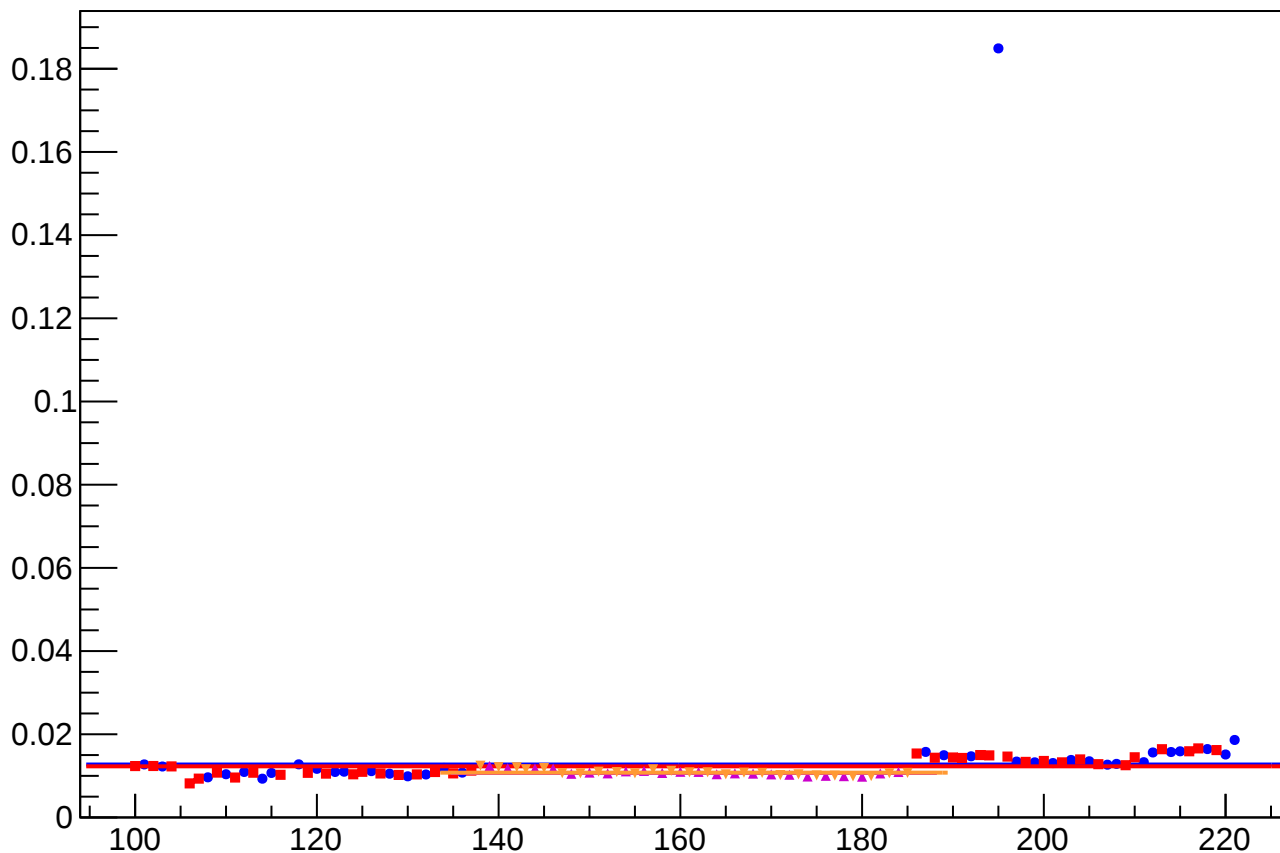
Left In: 0.540 $\pm$ 0.000 χ^2 /NDF: 7860539135.5/22

+ sign 0.856 $\pm$ 0.000 χ^2 /NDF: 112474987693.8/59

All: 0.848 $\pm$ 0.000 χ^2 /NDF: 207268583627.3

- sign 0.840 $\pm$ 0.000 χ^2 /NDF: 94757262523.2/59

yield_bpm0l09X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 2431041.7/34

Left Out: 0.011+/-0.000 χ^2/NDF :131630.9/24

Right Out: 0.012+/-0.000 χ^2/NDF : 1145263.0/36

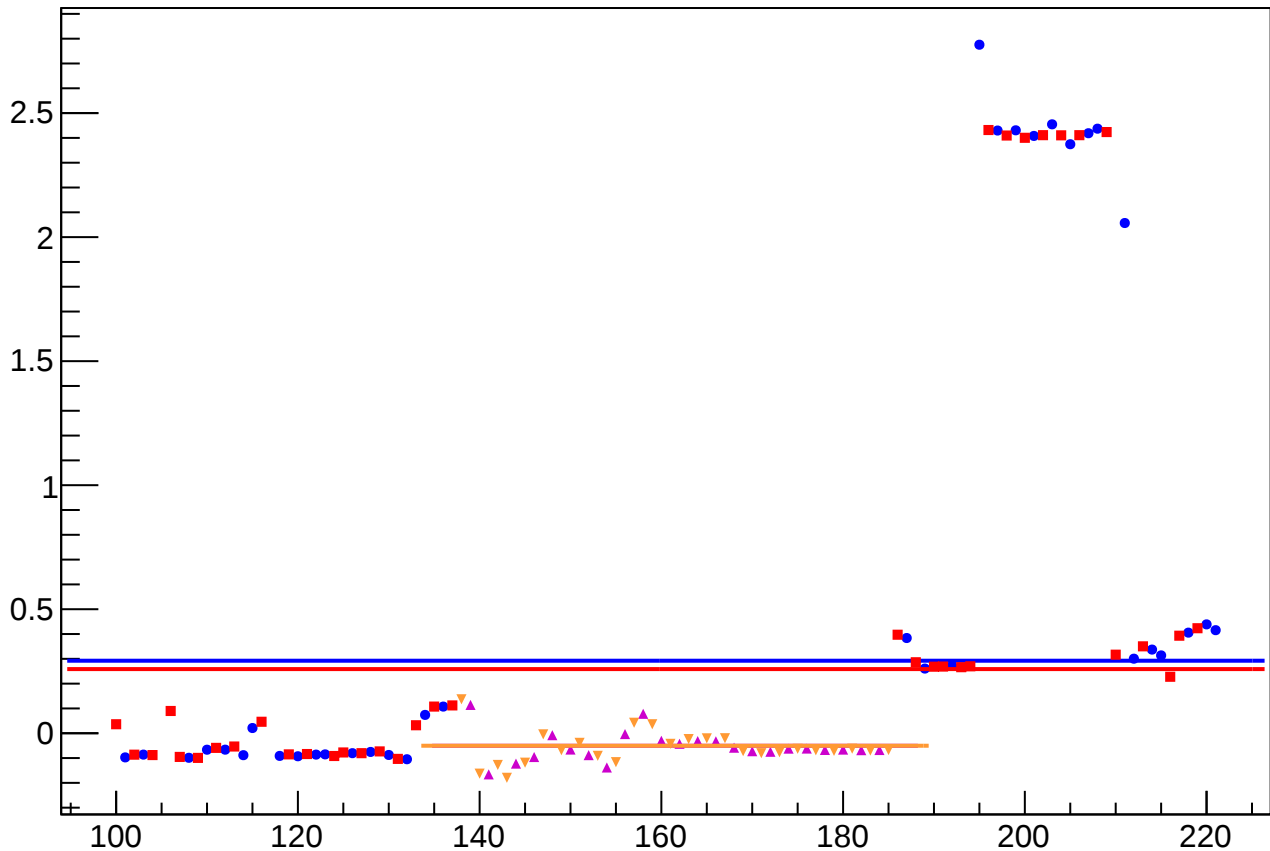
Left In: 0.011+/-0.000 χ^2/NDF :119273.2/22

+ sign 0.012+/-0.000 χ^2/NDF : 3055708.7/59

All: 0.012+/-0.000 χ^2/NDF : 4663059.9/119

- sign 0.011+/-0.000 χ^2/NDF : 1597870.2/59

yield_bpm0l09Y_mean vs Slug



Right In: 0.292 $\pm$ 0.000 χ^2 /NDF: 198738240390.3/34

Left Out: -0.050 $\pm$ 0.000 χ^2 /NDF: 7271496478.6/24

Right Out: 0.259 $\pm$ 0.000 χ^2 /NDF: 162517921756.7/36

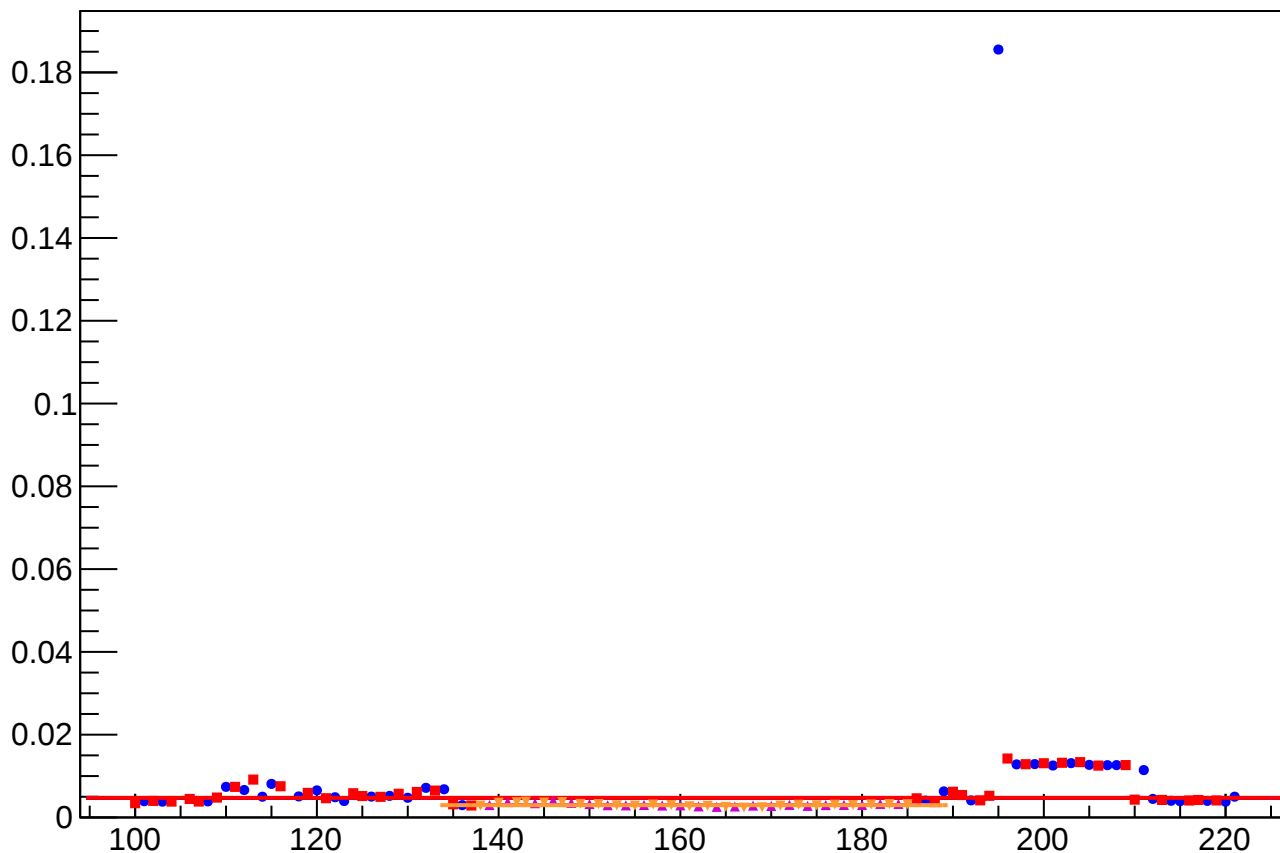
Left In: -0.051 $\pm$ 0.000 χ^2 /NDF: 6128769990.8/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 264269932415.4/59

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 479196388011.6

- sign 0.033 $\pm$ 0.000 χ^2 /NDF: 214907915191.7/59

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 7606287.3/34

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 5261990.6/36

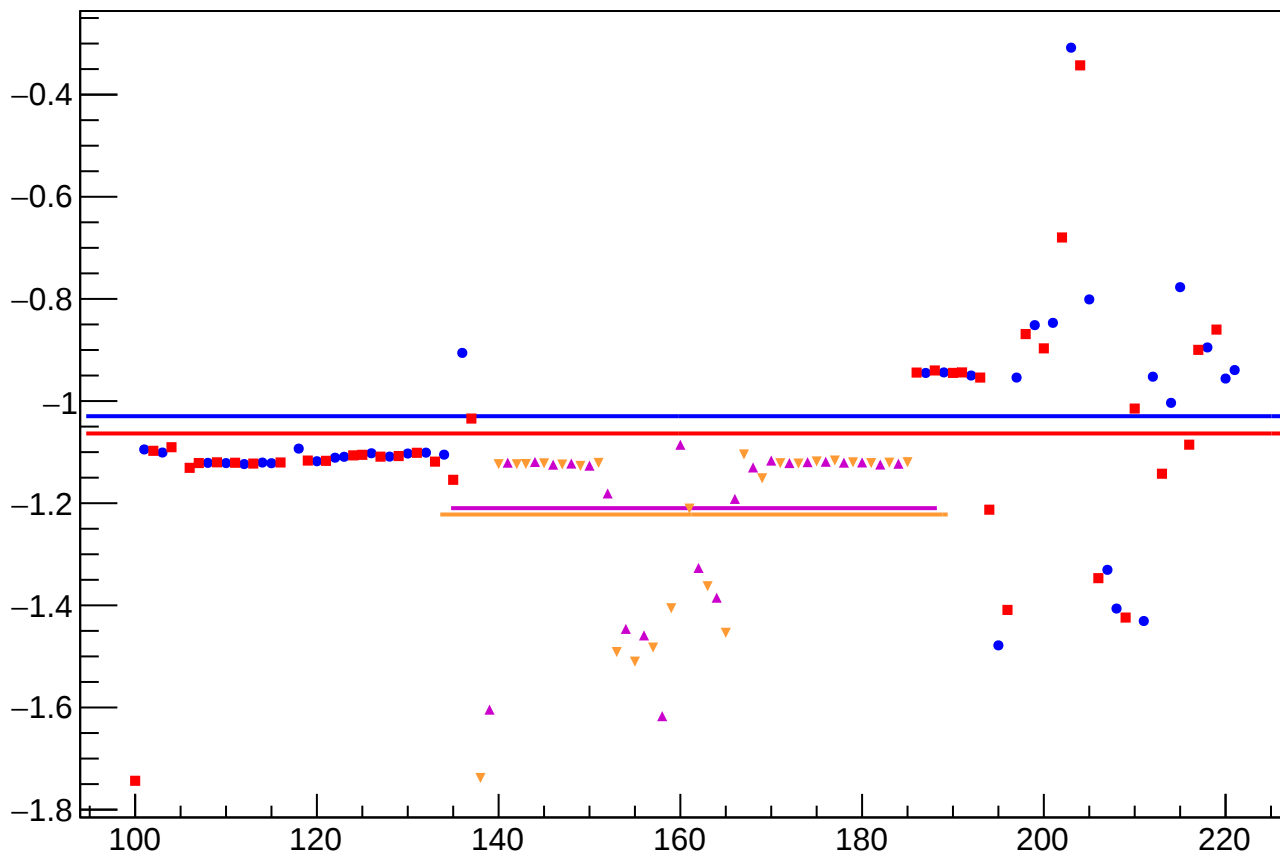
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 11096025.0/59

All: 0.003+/-0.000 χ^2/NDF : 19589672.7/119

- sign 0.003+/-0.000 χ^2/NDF : 8482677.5/59

yield_bpm0l10X_mean vs Slug



Right In: -1.030 ± 0.000 χ^2/NDF : 5994689832.4/34

Left Out: -1.222 ± 0.000 χ^2/NDF : 5279548861.3/24

Right Out: -1.063 ± 0.000 χ^2/NDF : 4915432608.4/36

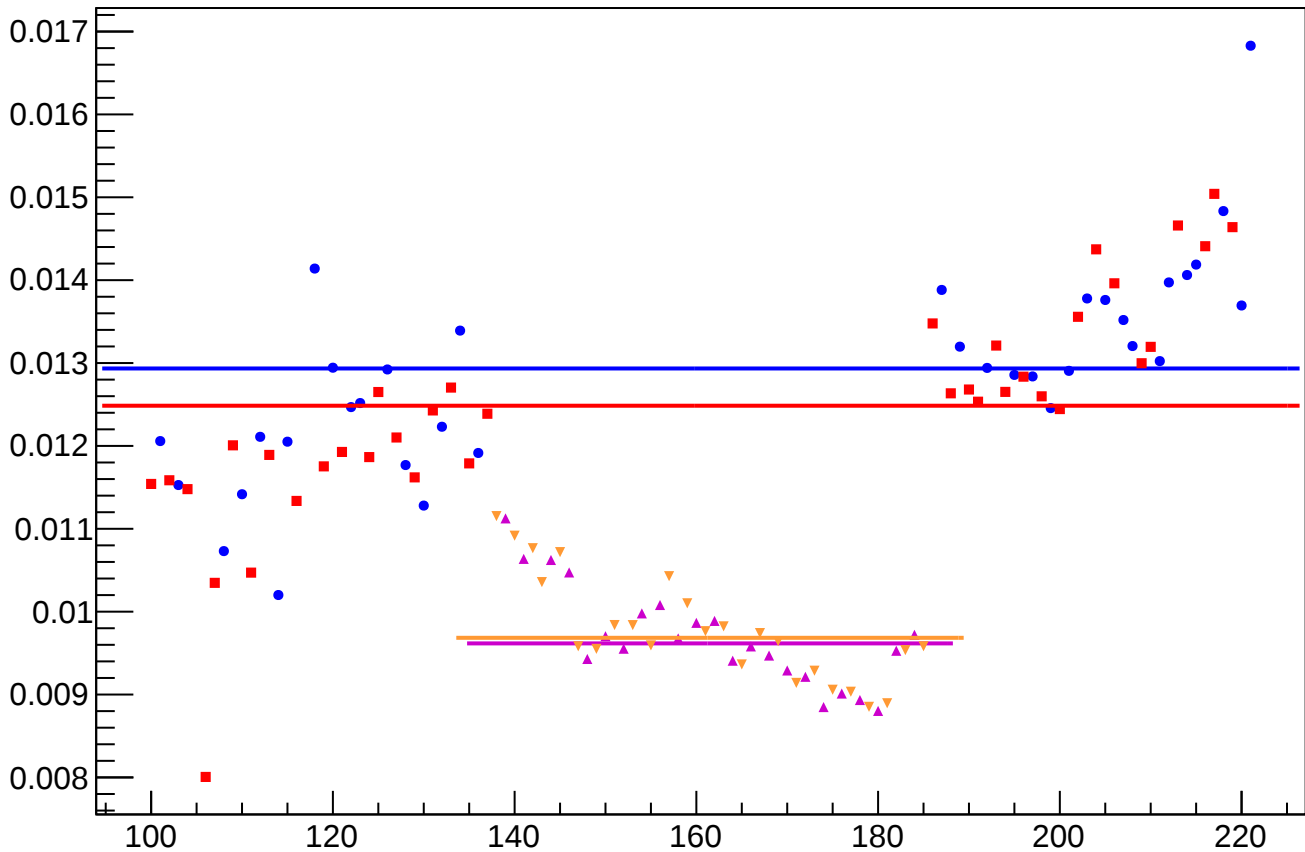
Left In: -1.210 ± 0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.150 ± 0.000 χ^2/NDF : 13916095119.7/59

All: -1.151 ± 0.000 χ^2/NDF : 24878910765.5/59

- sign -1.151 ± 0.000 χ^2/NDF : 10962356550.5/59

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 310837.9/34

Left Out: 0.010+/-0.000 χ^2/NDF :134863.6/24

Right Out: 0.012+/-0.000 χ^2/NDF : 478546.3/36

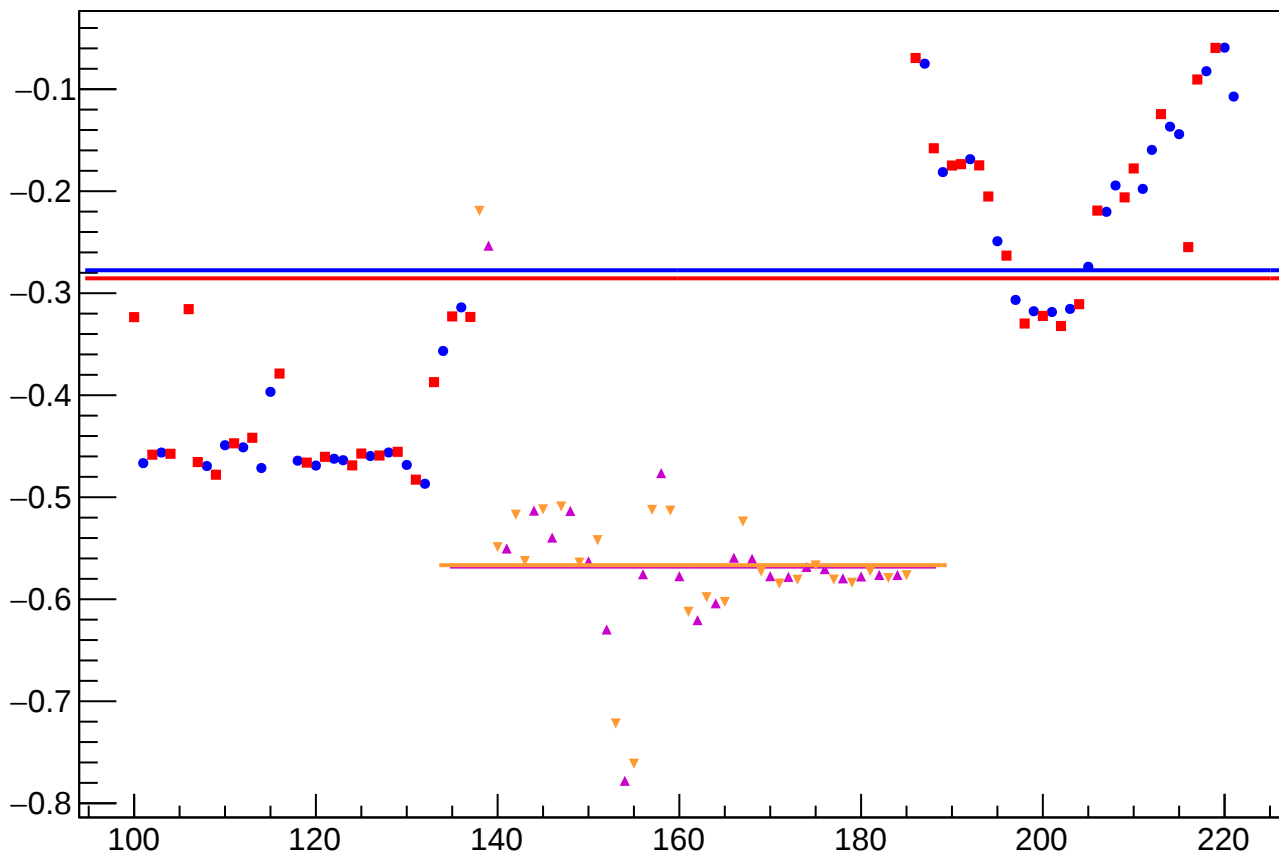
Left In: 0.010+/-0.000 χ^2/NDF :119823.1/22

+ sign 0.011+/-0.000 χ^2/NDF : 1951977.1/59

All: 0.011+/-0.000 χ^2/NDF : 3745401.2/119

- sign 0.011+/-0.000 χ^2/NDF : 1786798.8/59

yield_bpm0l10Y_mean vs Slug



Right In: -0.277+/-0.000 χ^2/NDF : 20948186241.1/34

Left Out: -0.567+/-0.000 χ^2/NDF : 13368458519.3/24

Right Out: -0.285+/-0.000 χ^2/NDF : 19240969677.3/36

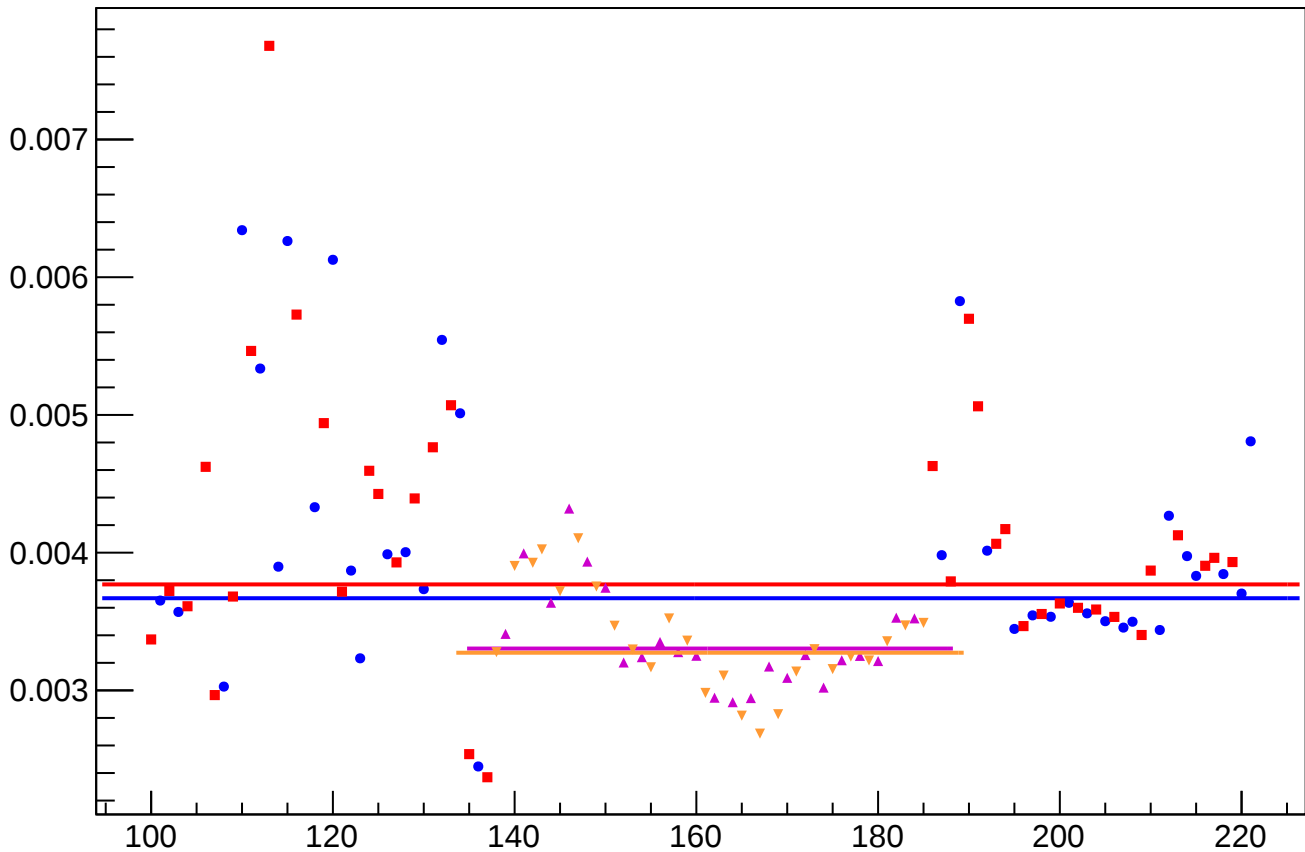
Left In: -0.568+/-0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.435+/-0.000 χ^2/NDF : 95237847792.7/59

All: -0.437+/-0.000 χ^2/NDF : 178897610776.5

- sign -0.439+/-0.000 χ^2/NDF : 83638310173.2/59

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1154709.8/34

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1107898.0/36

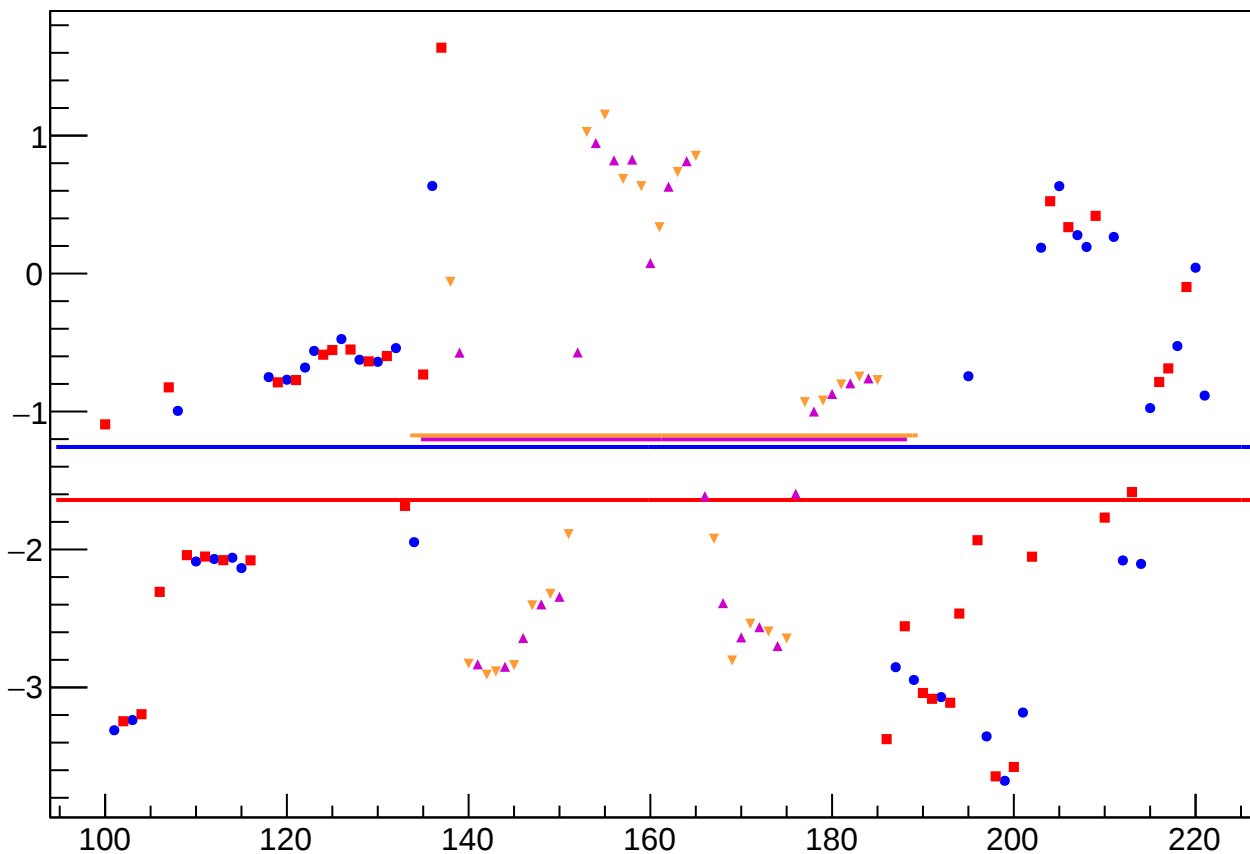
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1777913.1/59

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3476105.7/119

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1686992.3/59

yield_bpm0r03X_mean vs Slug



Right In: -1.257+/-0.000 χ^2/NDF : 6538150728.8/34

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -1.641+/-0.000 χ^2/NDF : 5673259406.2/36

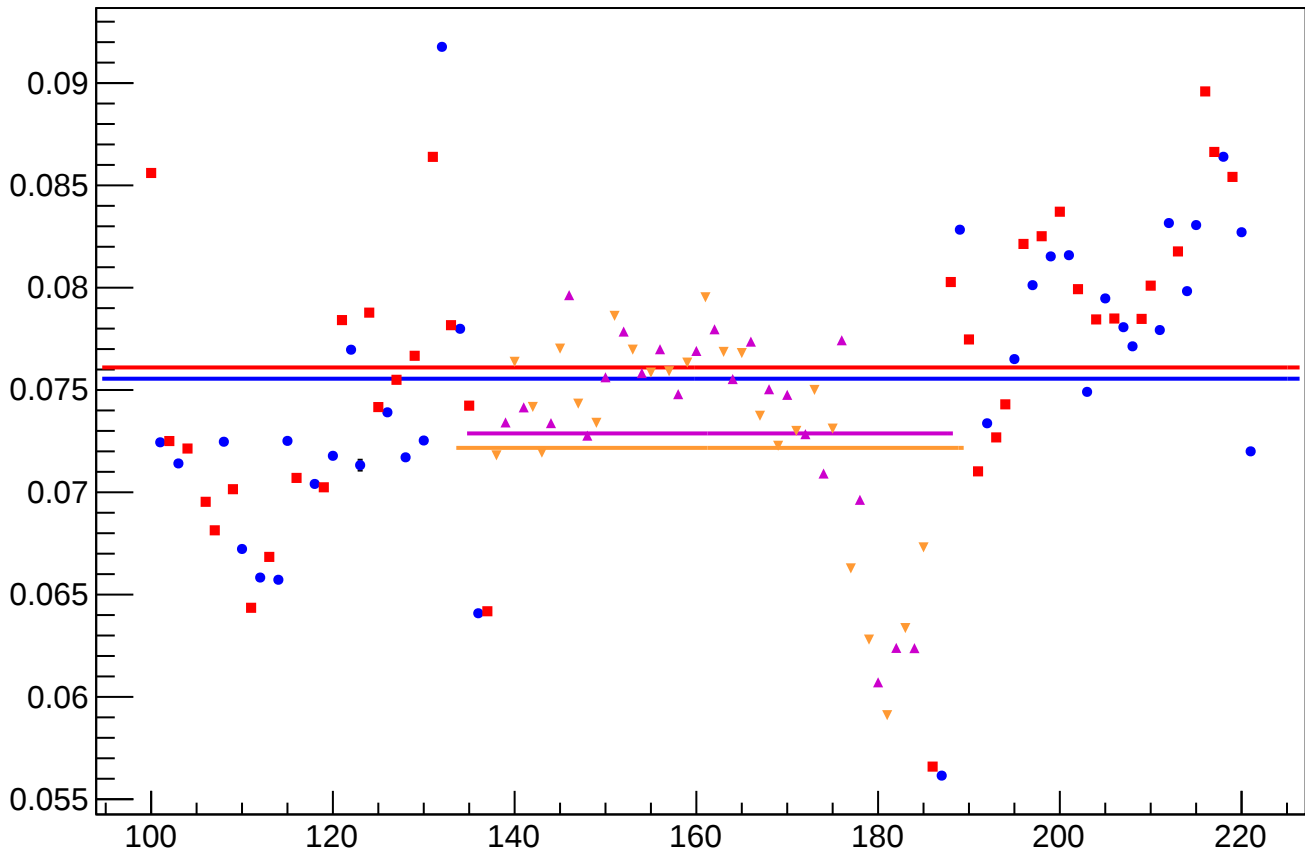
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.215+/-0.000 χ^2/NDF : 13432977307.0/59

All: -1.317+/-0.000 χ^2/NDF : 25175171629.8/119

- sign -1.425+/-0.000 χ^2/NDF : 11593907952.1/59

yield_bpm0r03X_rms vs Slug



Right In: 0.076 $\pm$ 0.000 χ^2 /NDF: 274091.2/34

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:222263.8/24

Right Out: 0.076 $\pm$ 0.000 χ^2 /NDF: 330237.6/36

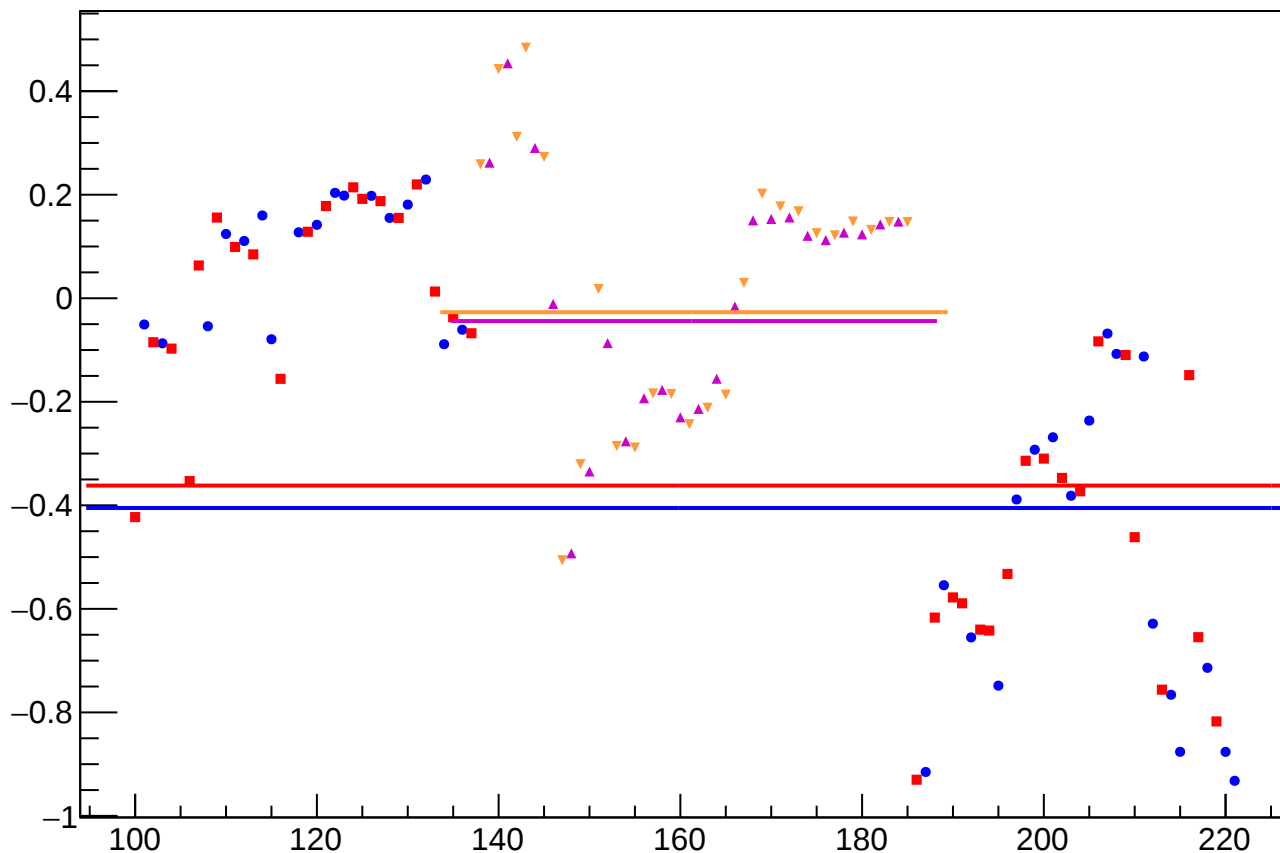
Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:183503.0/22

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 535705.5/59

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 1086217.4/119

- sign 0.075 $\pm$ 0.000 χ^2 /NDF: 547542.6/59

yield_bpm0r03Y_mean vs Slug



Right In: -0.405 ± 0.000 χ^2/NDF : 32639891563.4/34

Left Out: -0.027 ± 0.000 χ^2/NDF : 20376761328.6/24

Right Out: -0.362 ± 0.000 χ^2/NDF : 20006823162.2/36

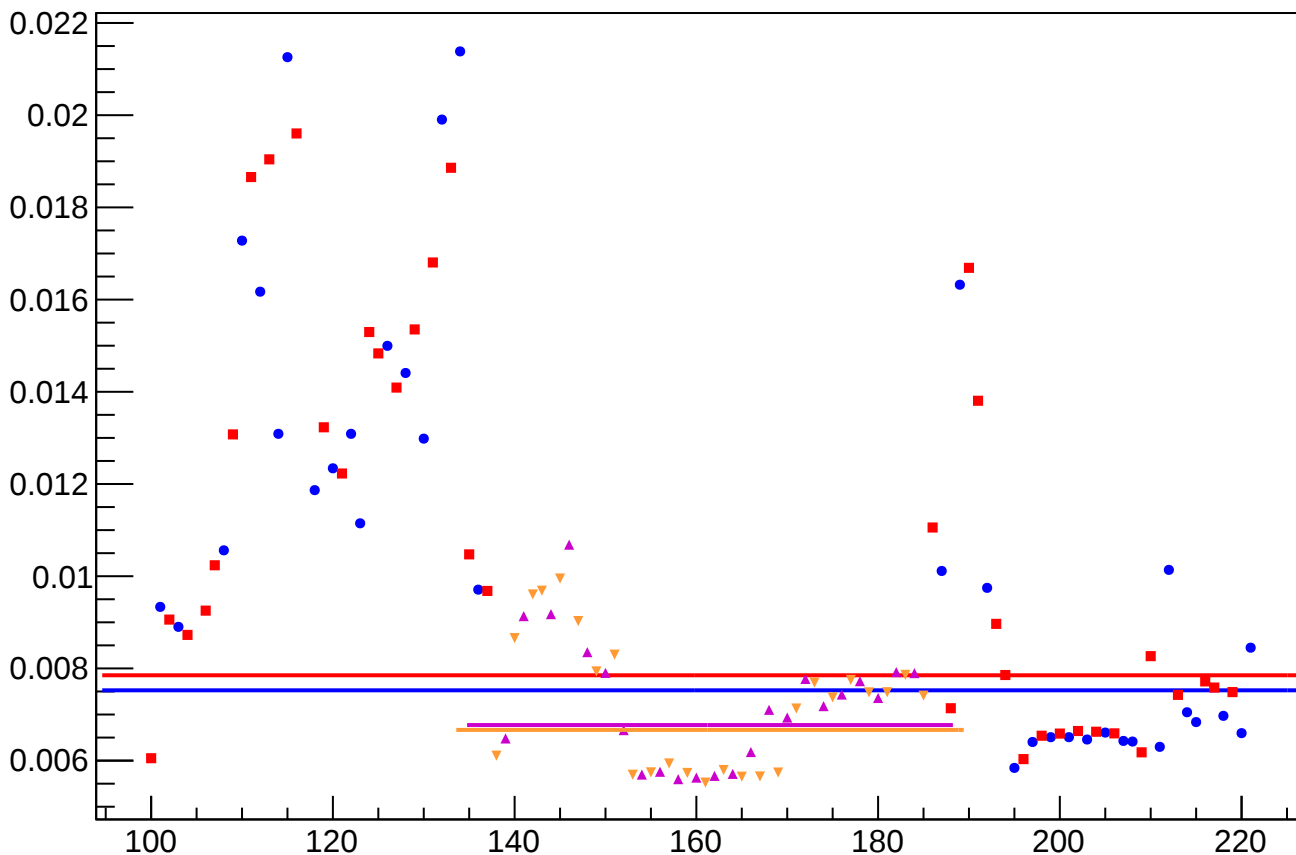
Left In: -0.044 ± 0.000 χ^2/NDF : 15718556282.1/22

+ sign -0.196 ± 0.000 χ^2/NDF : 77156475856.0/59

All: -0.190 ± 0.000 χ^2/NDF : 128127614021.1

- sign -0.183 ± 0.000 χ^2/NDF : 50914847843.6/59

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 3024299.1/34

Left Out: 0.007+/-0.000 χ^2/NDF : 1143768.6/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3086266.1/36

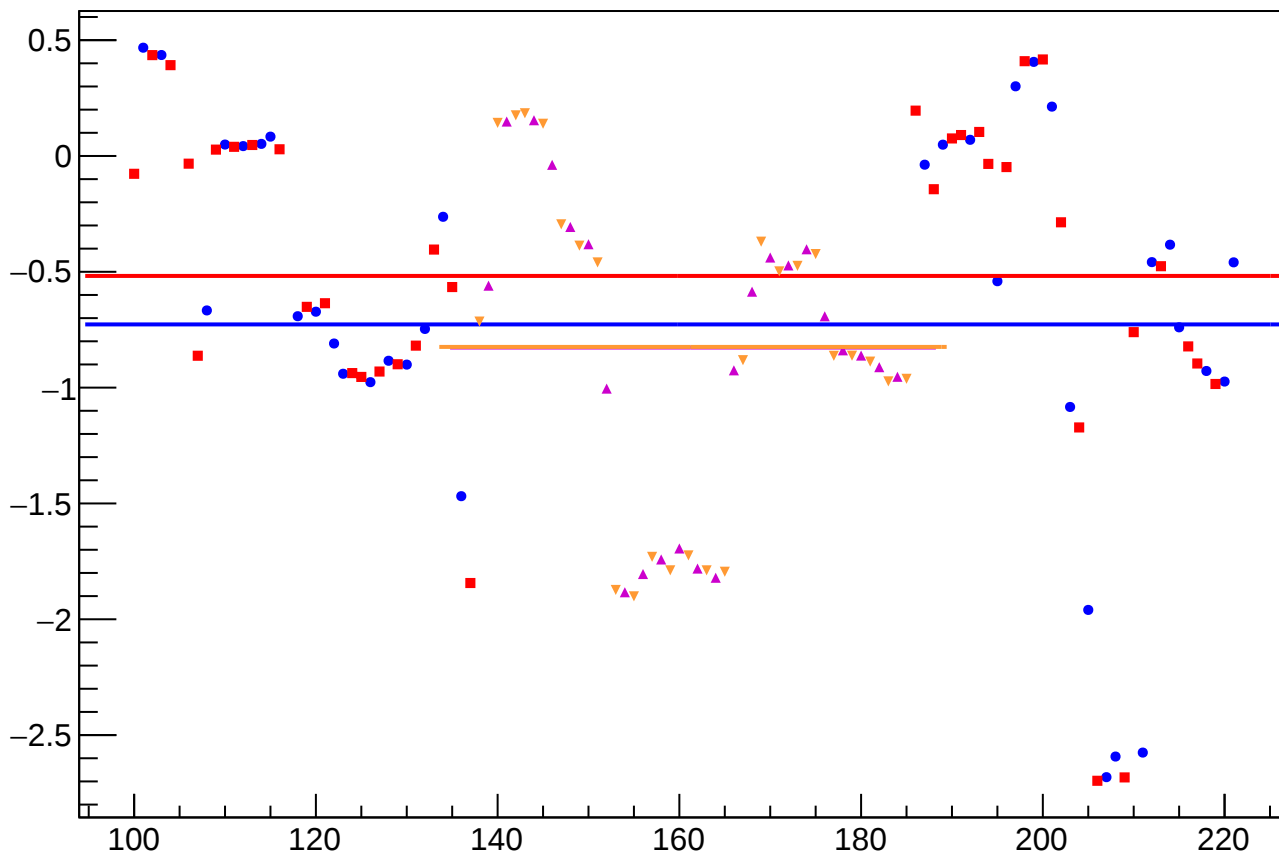
Left In: 0.007+/-0.000 χ^2/NDF : 934050.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 4416957.1/59

All: 0.007+/-0.000 χ^2/NDF : 8811820.7/119

- sign 0.007+/-0.000 χ^2/NDF : 4370913.4/59

yield_bpm0r05X_mean vs Slug



Right In: -0.727+/-0.000 χ^2/NDF : 1783453708.2/34

Left Out: -0.824+/-0.000 χ^2/NDF : 1103610806.5/24

Right Out: -0.518+/-0.000 χ^2/NDF : 1510294641.3/36

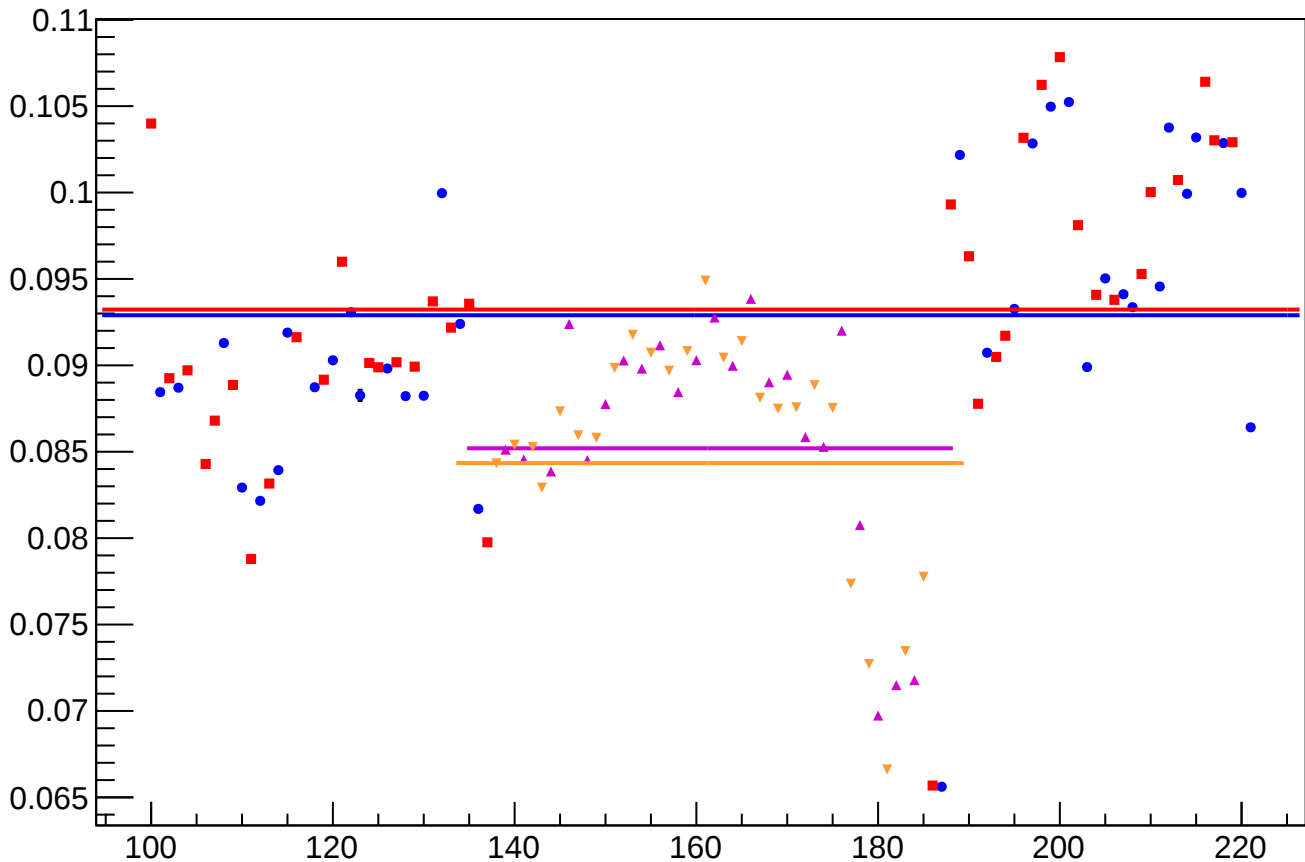
Left In: -0.827+/-0.000 χ^2/NDF : 921651117.3/22

+ sign -0.778+/-0.000 χ^2/NDF : 2898442960.4/59

All: -0.729+/-0.000 χ^2/NDF : 5463992972.8/1

- sign -0.677+/-0.000 χ^2/NDF : 2541304953.2/59

yield_bpm0r05X_rms vs Slug



Right In: 0.093 $\pm$ 0.000 χ^2 /NDF: 270966.1/34

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 358092.0/36

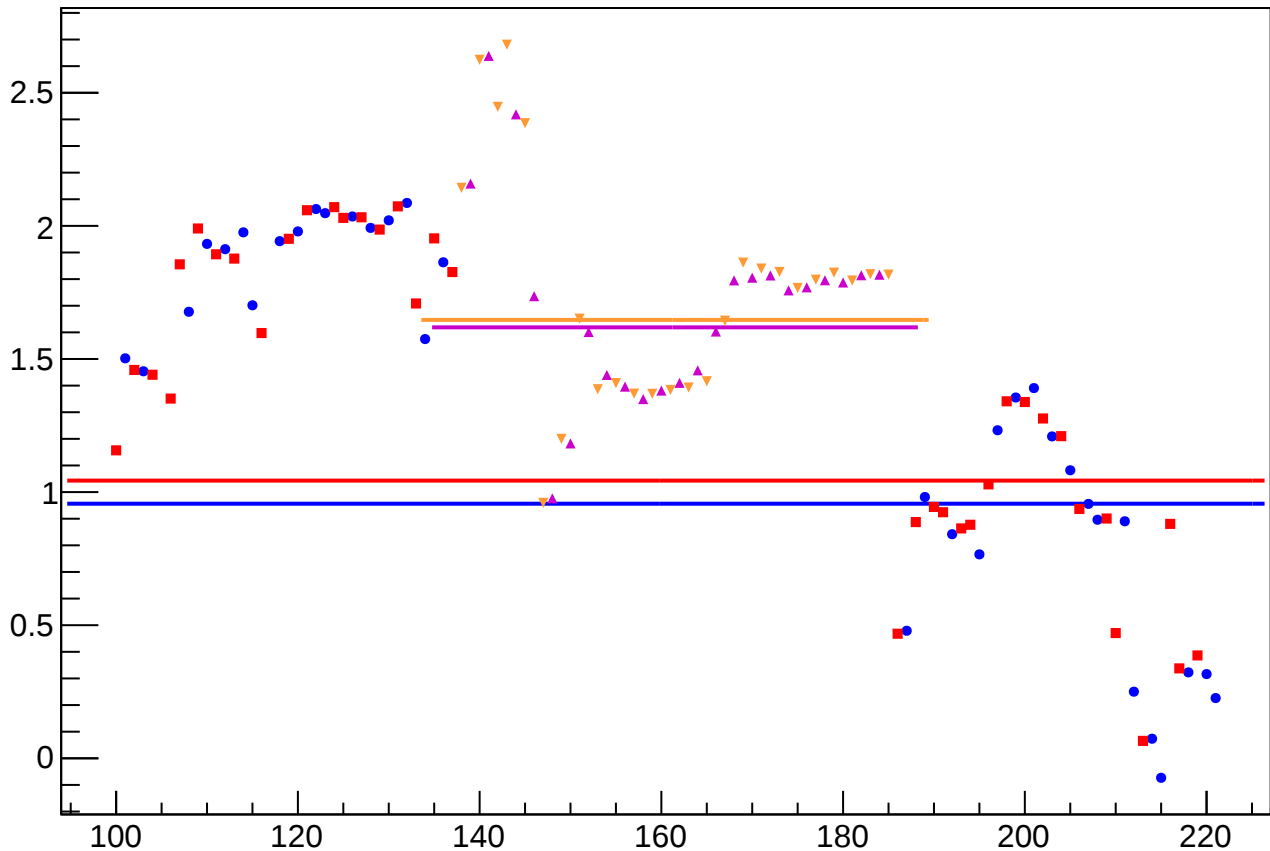
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 735886.8/59

All: 0.089 $\pm$ 0.000 χ^2 /NDF: 1482171.8/119

- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 743894.9/59

yield_bpm0r05Y_mean vs Slug



Right In: 0.956+/-0.000 χ^2/NDF : 47965759556.7/34

Left Out: 1.647+/-0.000 χ^2/NDF : 26535241545.7/24

Right Out: 1.043+/-0.000 χ^2/NDF : 30991728567.5/36

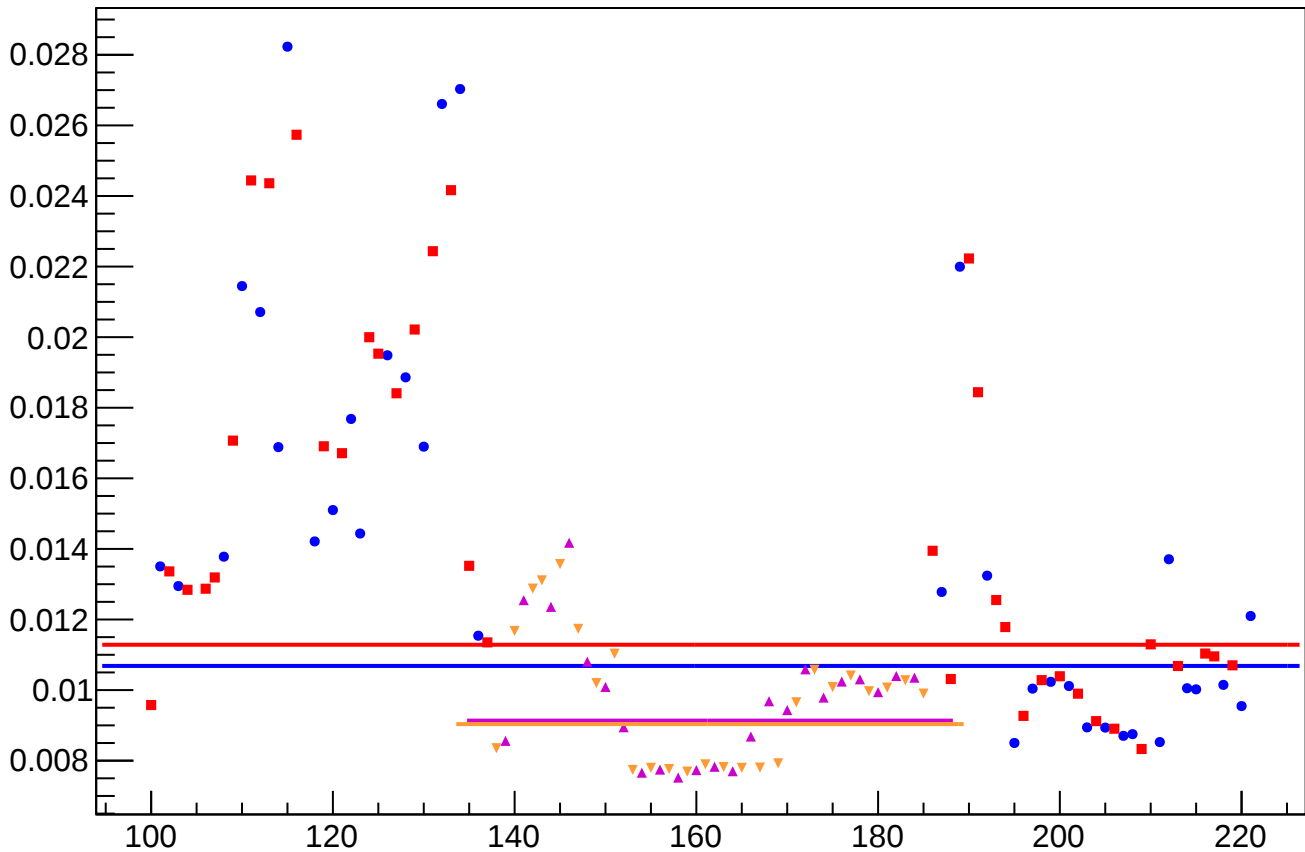
Left In: 1.619+/-0.000 χ^2/NDF : 20618198188.1/22

+ sign 1.354+/-0.000 χ^2/NDF : 116642814256.8/59

All: 1.368+/-0.000 χ^2/NDF : 194278181255.8

- sign 1.384+/-0.000 χ^2/NDF : 77475738726.3/59

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2475795.0/34

Left Out: 0.009+/-0.000 χ^2/NDF :1042871.8/24

Right Out: 0.011+/-0.000 χ^2/NDF : 2537173.1/36

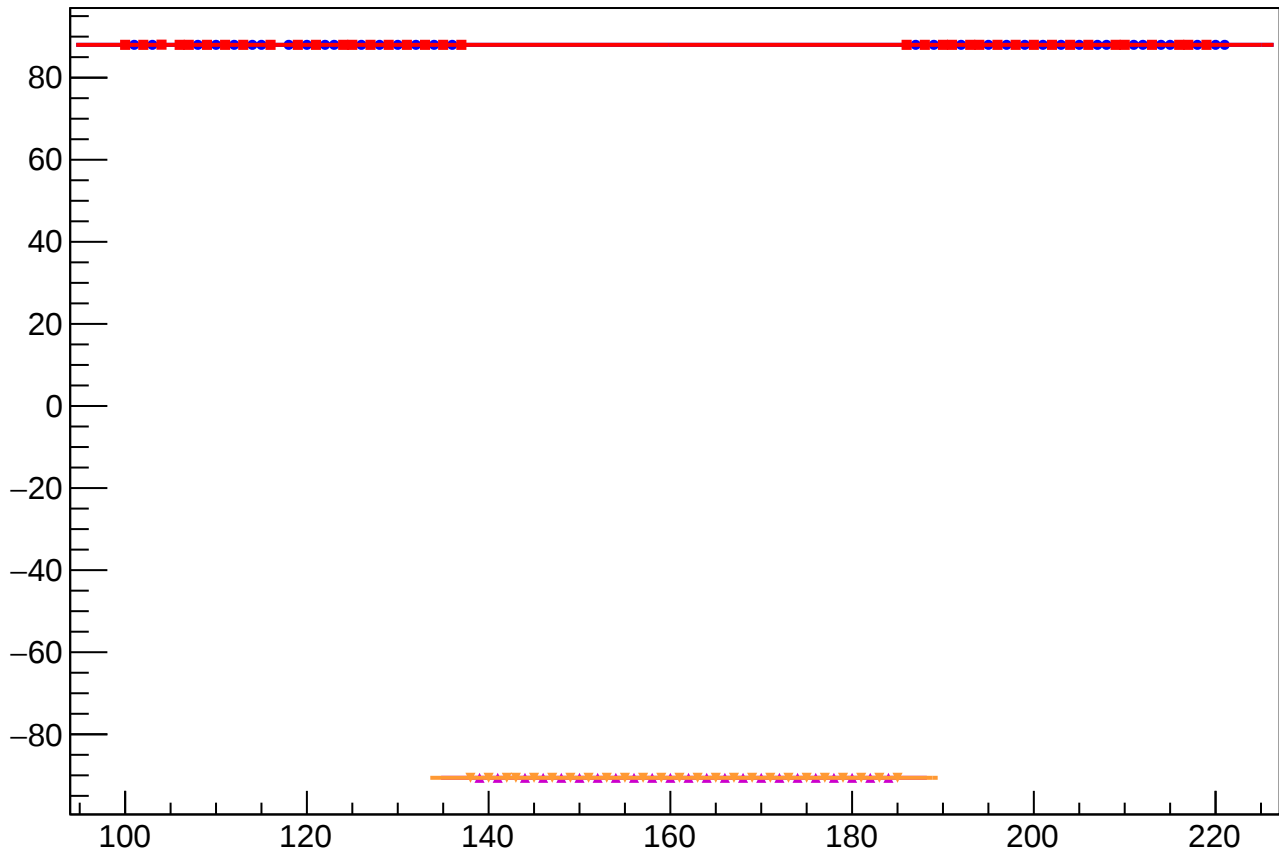
Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3999279.2/59

All: 0.010+/-0.000 χ^2/NDF : 8162308.1/119

- sign 0.010+/-0.000 χ^2/NDF : 4137132.4/59

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 3766943.4/34

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.002 $\pm$ 0.000 χ^2 /NDF: 81314252579523800915834306560.0/36

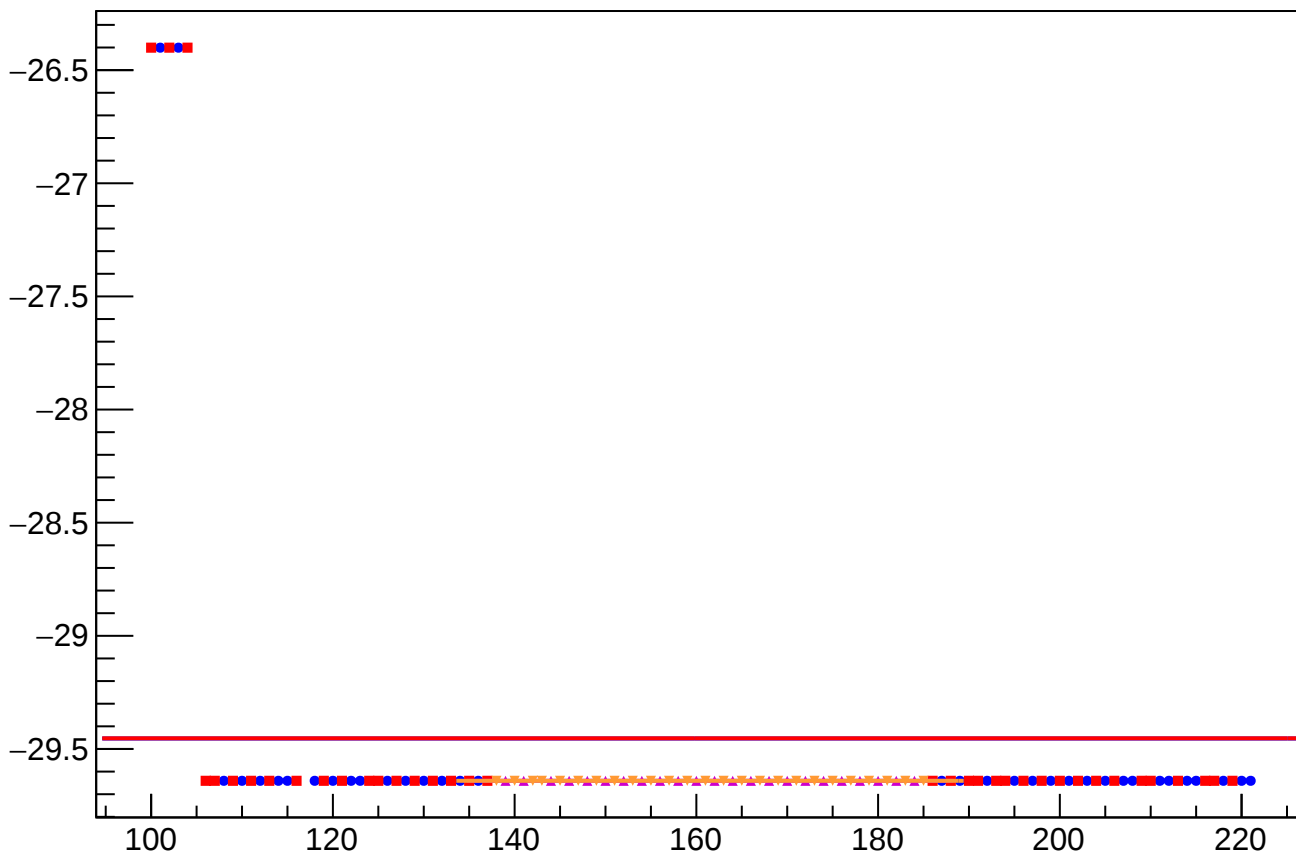
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign 1.888 $\pm$ 0.000 χ^2 /NDF: 31467083228245998

All: 2.700 $\pm$ 0.000 χ^2 /NDF: 61670762213002

- sign 3.545 $\pm$ 0.000 χ^2 /NDF: 30198360584606452

epics_HWienAngles_mean vs Slug



Right In: -29.454+/-0.000 χ^2/NDF : 1167275655131954018742255384264704.0/34

Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24

Right Out: -29.453+/-0.000 χ^2/NDF : 1147164304495487252752307914276864.0/36

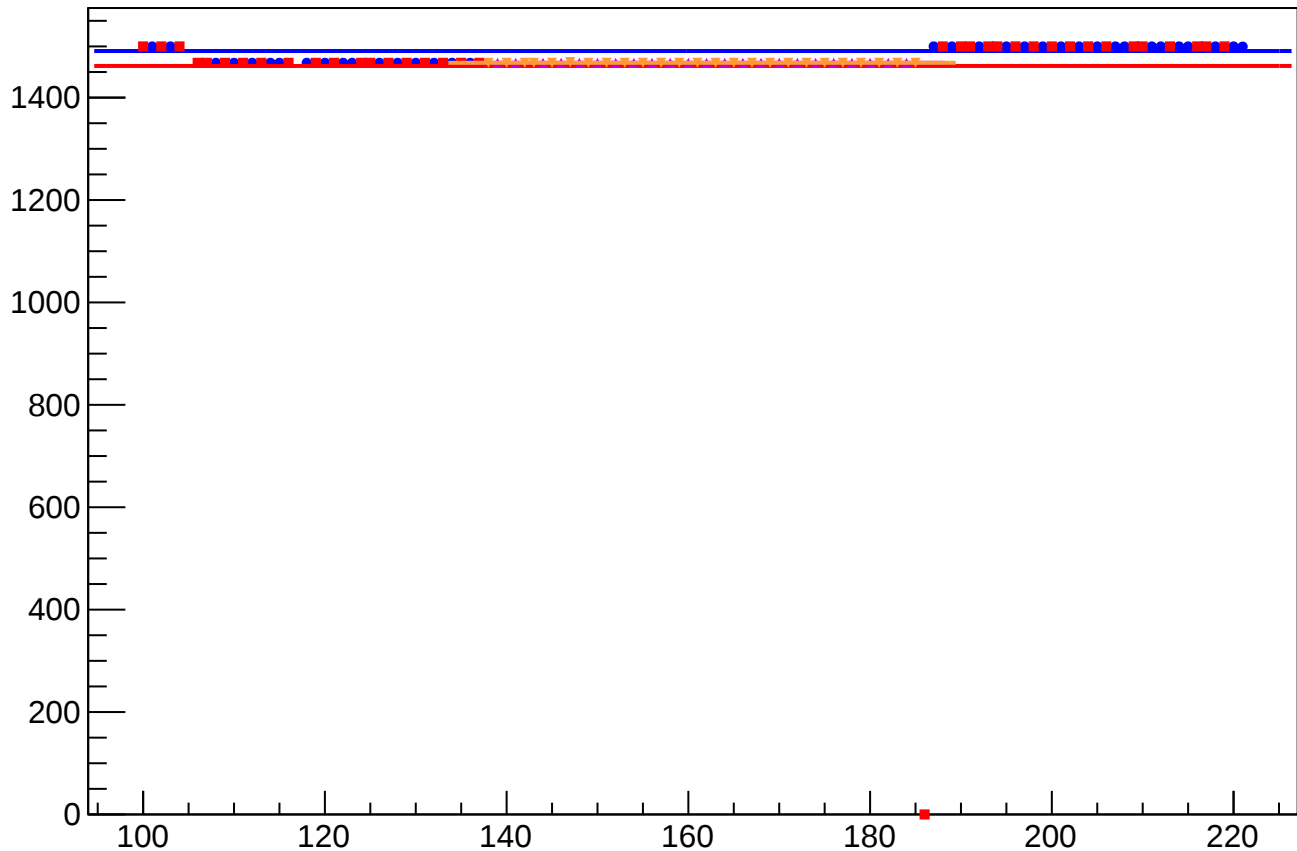
Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22

+ sign -29.544+/-0.000 χ^2/NDF : 120172146150339

All: -29.543+/-0.000 χ^2/NDF : 238226023693

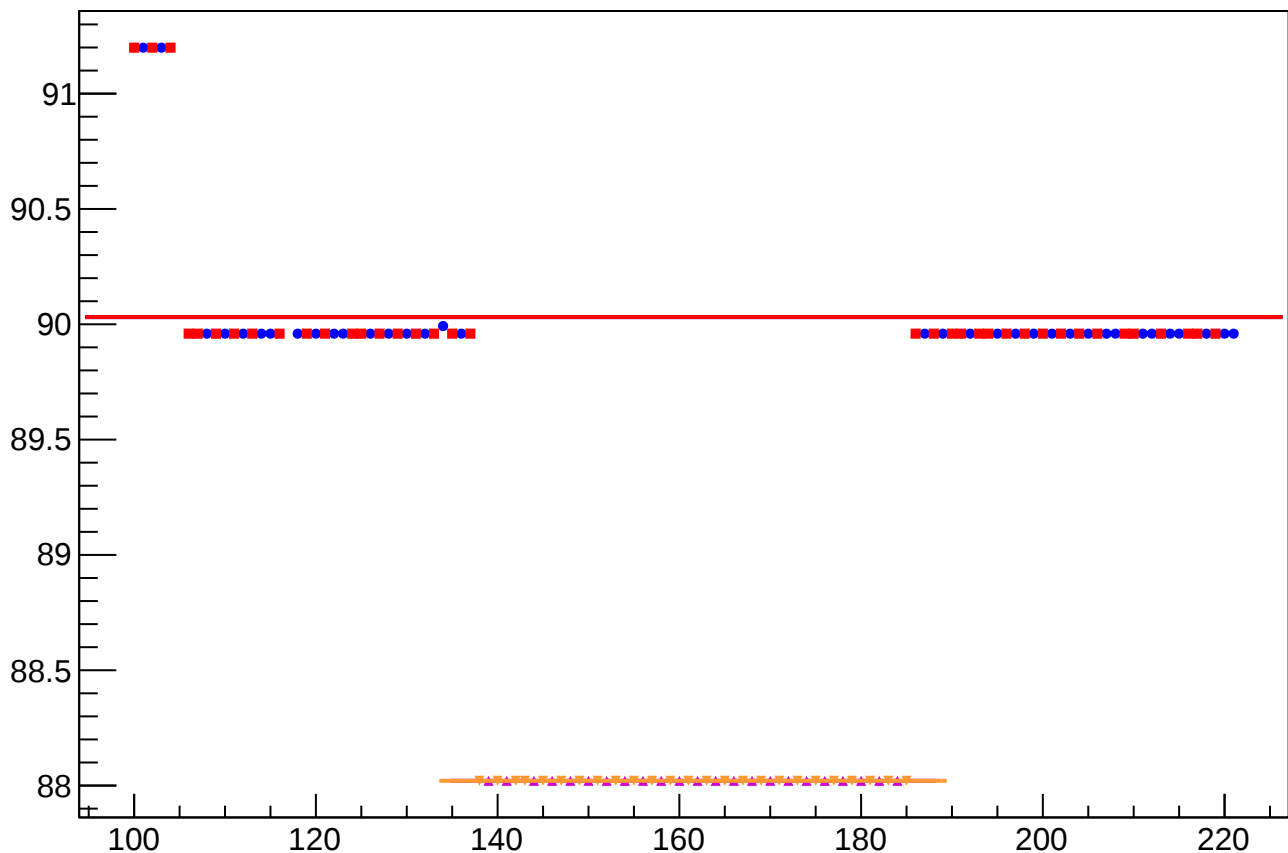
- sign -29.542+/-0.000 χ^2/NDF : 1180529471090019

epics_psub_pl_poss_mean vs Slug



Right In: 1491.015+/-0.000 χ^2/NDF : 422358694662828420343357245824696320.0/34
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24
 Right Out: 1461.868+/-0.000 χ^2/NDF : 83207287377380146473779228178542231552.0/36
 Left In: 1467.994+/-0.000 χ^2/NDF : 144497772795444989723550941184.0/22

epics_Phi_FGs_mean vs Slug



Right In: 90.031+/-0.000 χ^2/NDF : 170896137285271109674787202400256.0/34

Left Out: 88.021+/-0.000 χ^2/NDF : 5679798.5/24

Right Out: 90.031+/-0.000 χ^2/NDF : 168026961838208649723816120942592.0/36

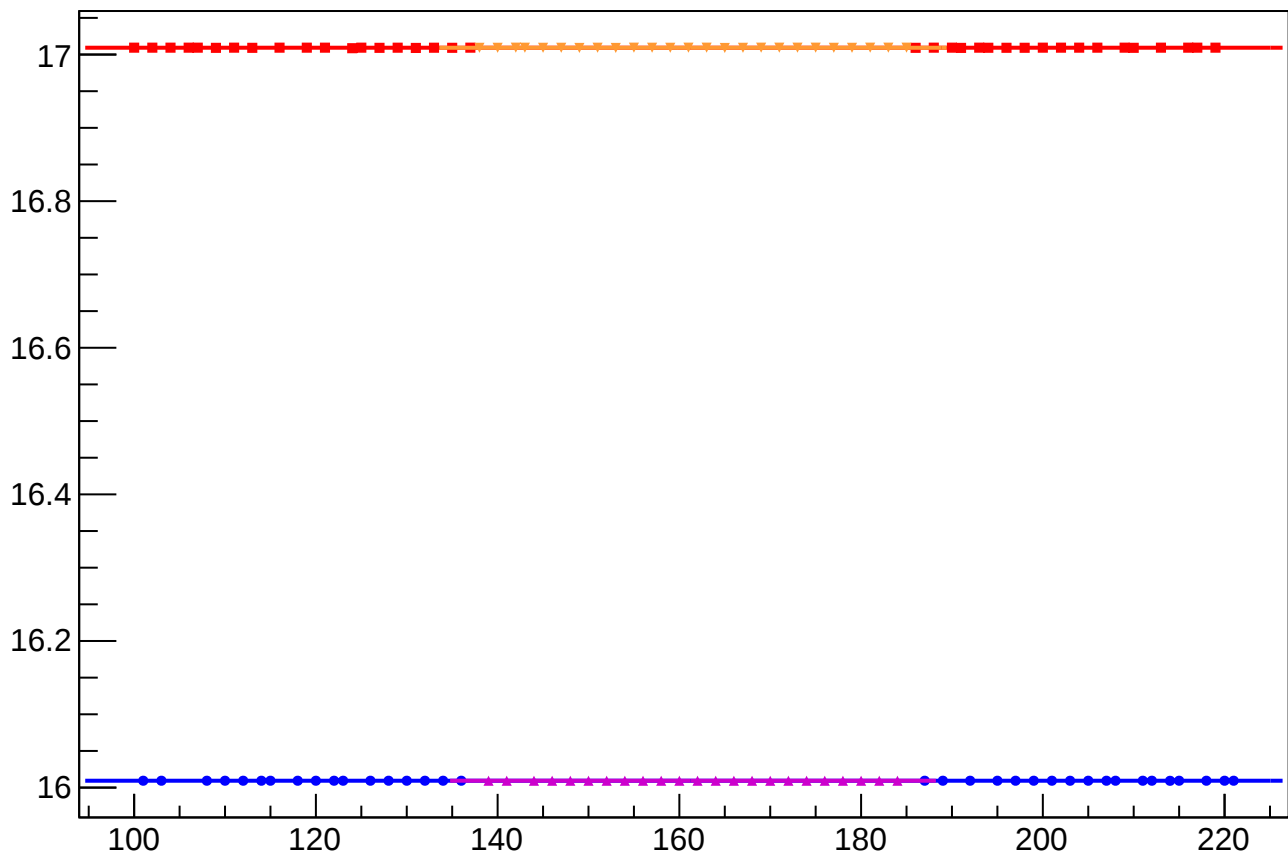
Left In: 88.021+/-0.000 χ^2/NDF : 6257169.0/22

+ sign 89.062+/-0.000 χ^2/NDF : 4158199862977960

All: 89.071+/-0.000 χ^2/NDF : 8153371706374

- sign 89.080+/-0.000 χ^2/NDF : 3994498608576719

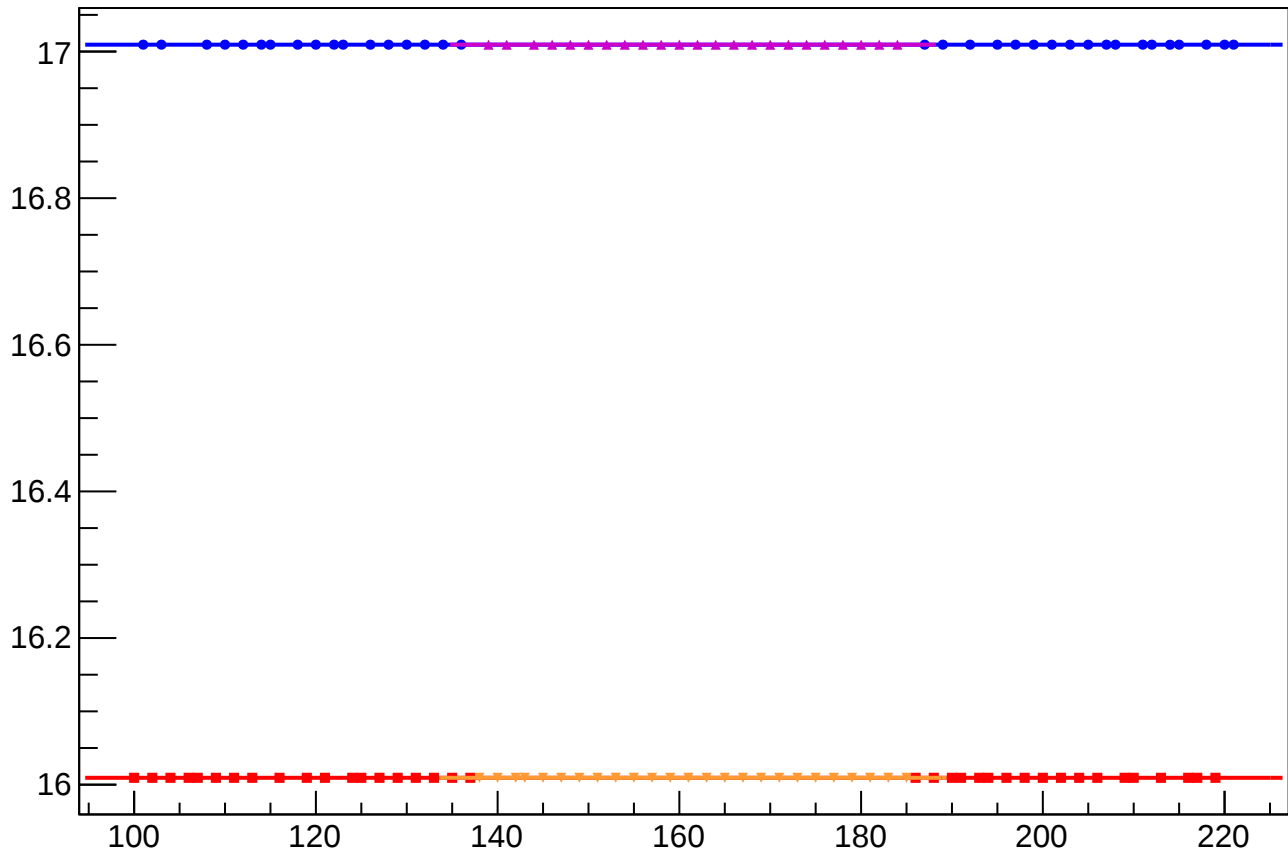
epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 853828976050134761603072.0/34
 Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 26194929080144976634970112.0/24
 Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 21619728953174294383296512.0/36
 Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 127920993667935400624128.0/22

+ sign 16.477 $\pm$ 0.000 χ^2/NDF : 9418706222735481
 All: 16.511 $\pm$ 0.000 χ^2/NDF : 1846428508815
 - sign 16.546 $\pm$ 0.000 χ^2/NDF : 8956911420498894

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 853828976197346644721664.0/34

Left Out: 16.009+/-0.000 χ^2/NDF : 61253.5/24

Right Out: 16.009+/-0.000 χ^2/NDF : 318194.9/36

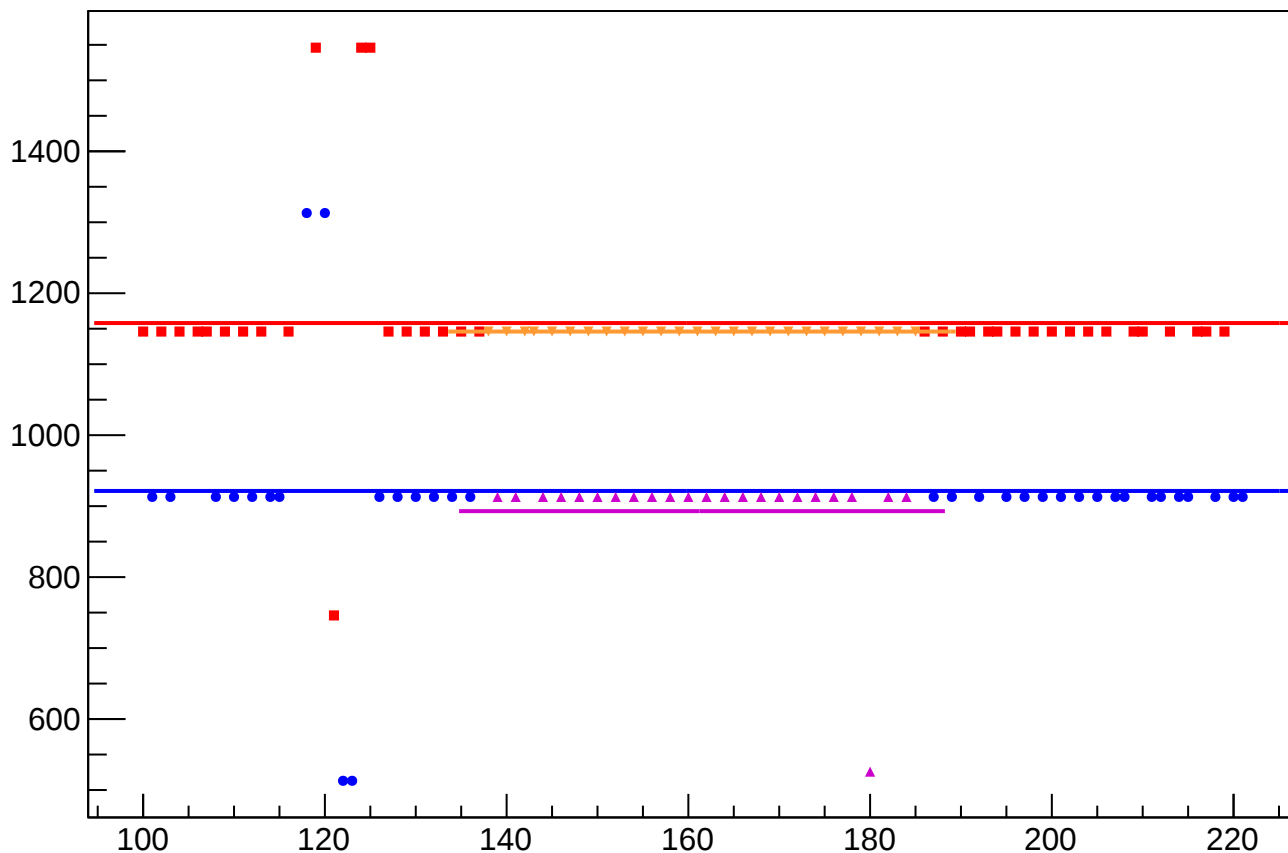
Left In: 17.009+/-0.000 χ^2/NDF : 114986101427233622065152.0/22

+ sign 16.526+/-0.000 χ^2/NDF : 9726040710044289

All: 16.502+/-0.000 χ^2/NDF : 1909832612904

- sign 16.477+/-0.000 χ^2/NDF : 9325233667089299

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 921.401+/-0.000 χ^2/NDF : 21136762272112001078271387978401054720.0/34

+ sign 1029.698+/-0.000 χ^2/NDF : 70904881924691

Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

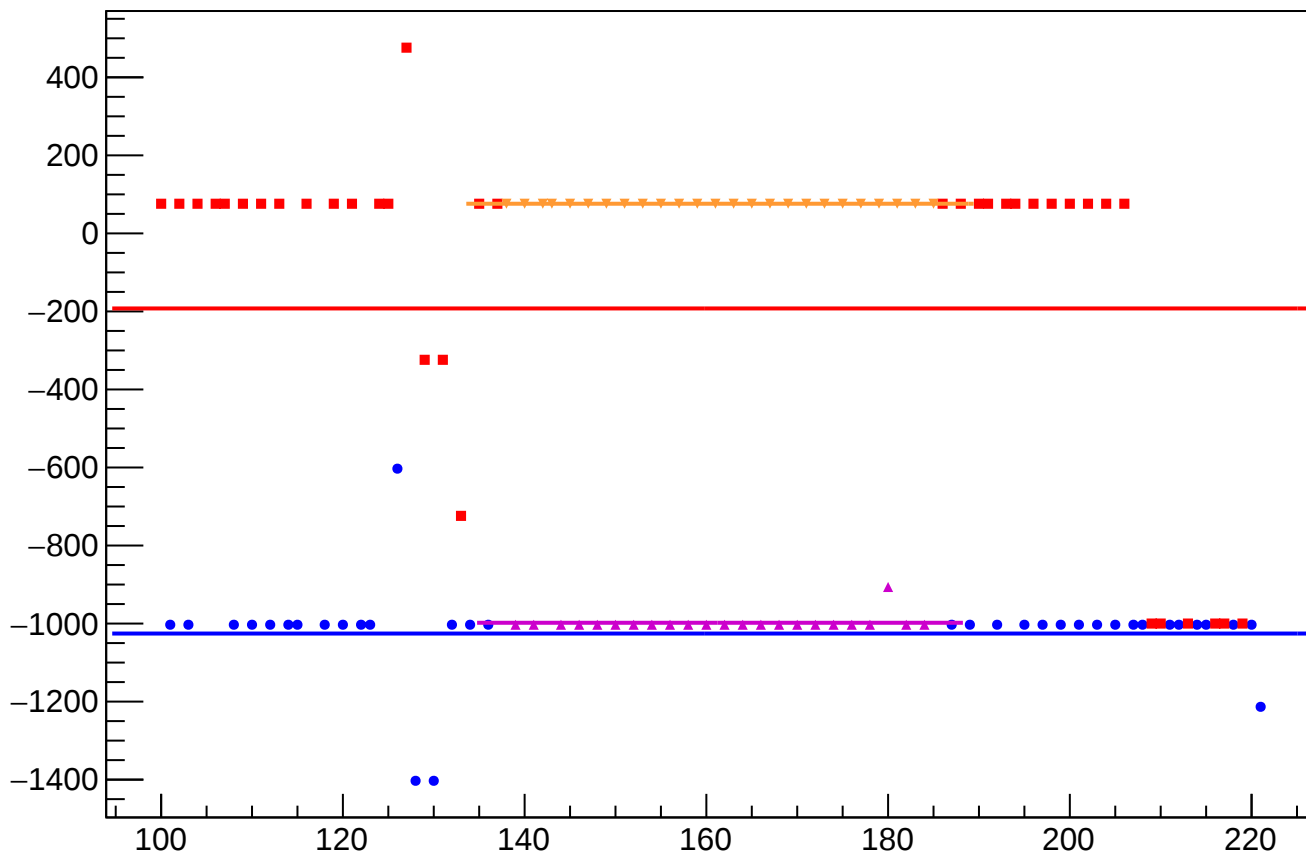
All: 1031.151+/-0.000 χ^2/NDF : 1724350545

Right Out: 1157.998+/-0.000 χ^2/NDF : 21793008718154891906057466122181017600.0/36

- sign 1032.662+/-0.000 χ^2/NDF : 10151316259258

Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

epics_RTPAPOSVCNTs_mean vs Slug



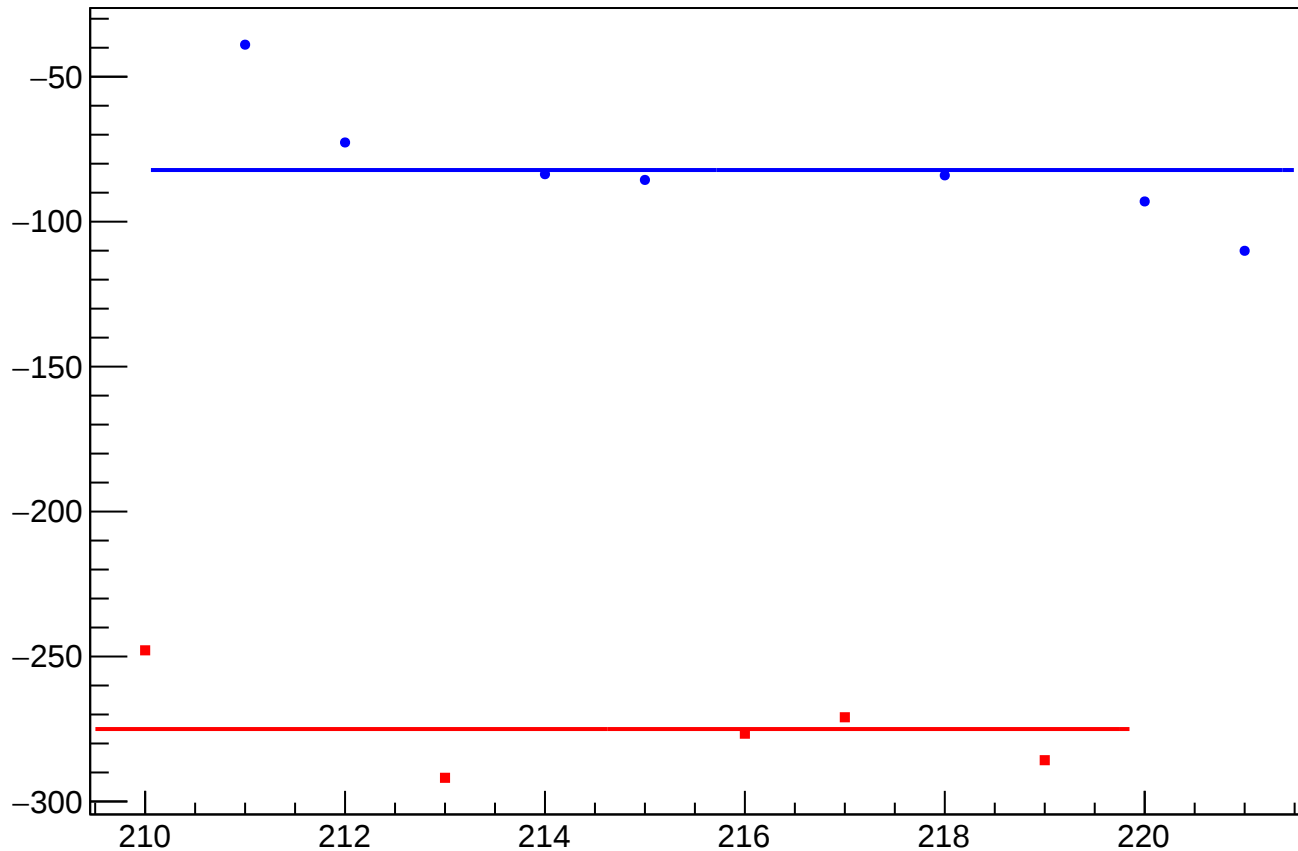
Right In: -1025.567+/-0.000 χ^2/NDF : 26405340688497875997851141232916430848.0/34

Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24

Right Out: -192.373+/-0.000 χ^2/NDF : 428465475545596953372918387855499198464.0/36

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22

epics_RTPPITA1CNTs_mean vs Slug



Right In: -82.188+/-0.000 χ^2/NDF : 235710829784465278673197619279298560.0/6

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

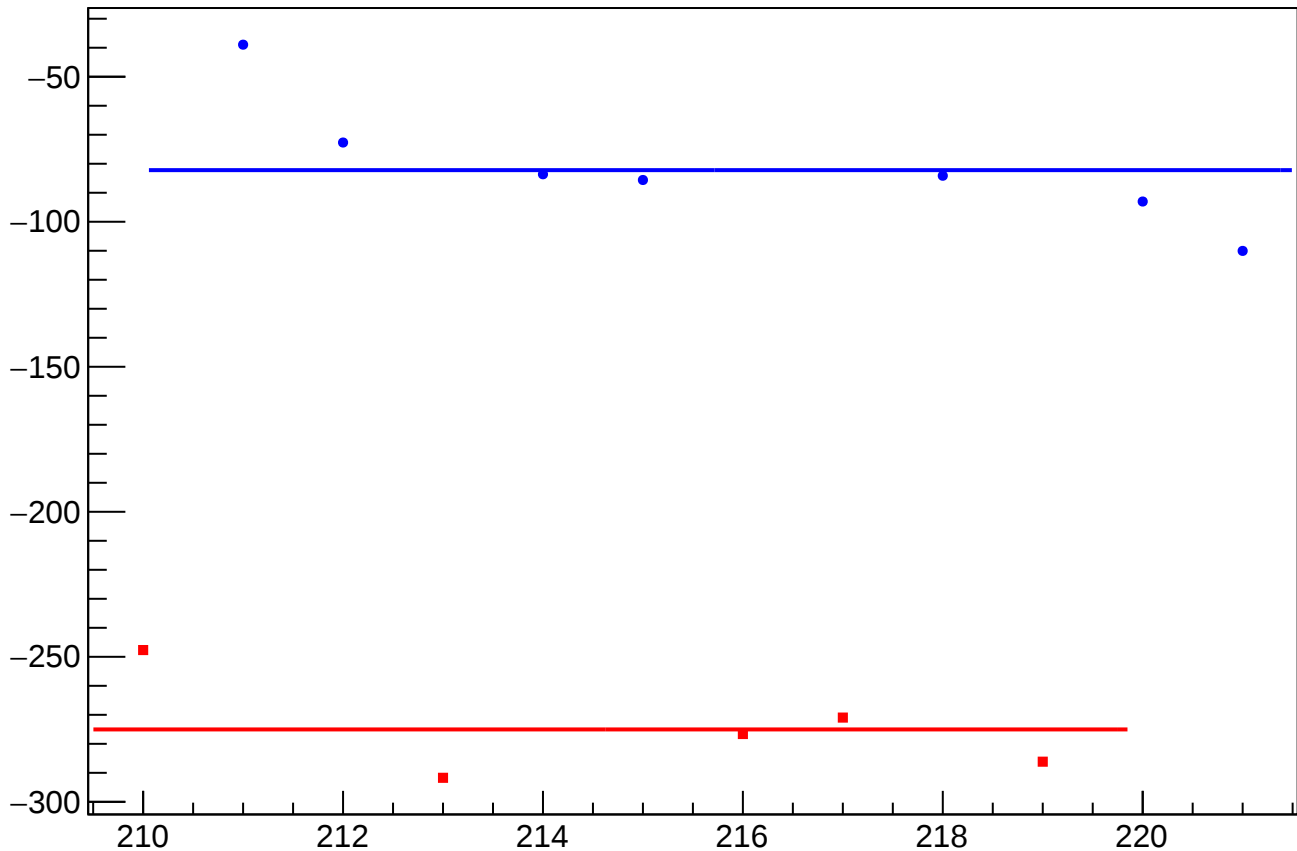
All: -160.267+/-0.000 χ^2/NDF : 87078282696

Right Out: -275.016+/-0.000 χ^2/NDF : 86022314037366847399450558125309952.0/4

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

epics_RTPPITA2CNTs_mean vs Slug



Right In: -82.204+/-0.000 χ^2/NDF : 235745401909722647259150319714566144.0/6

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -160.286+/-0.000 χ^2/NDF : 87096757526

Right Out: -275.040+/-0.000 χ^2/NDF : 87170037078998934606037616422813696.0/4

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0