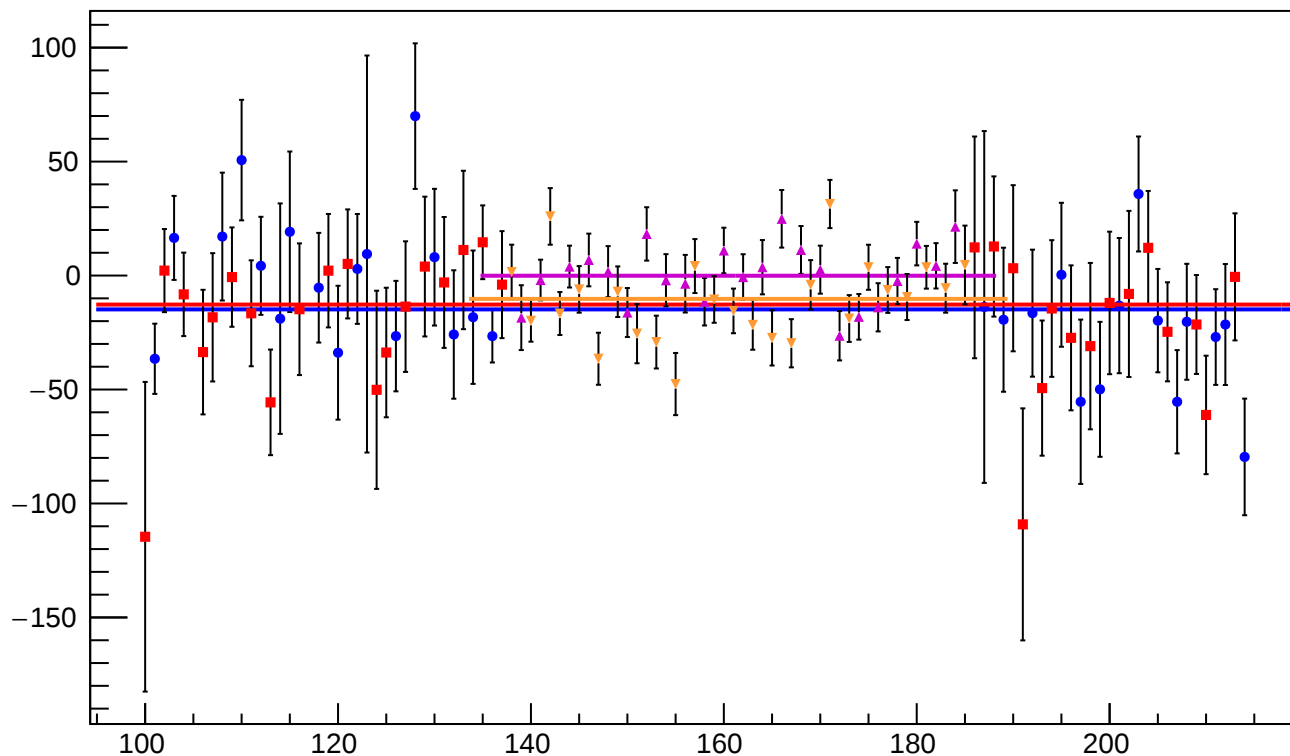


diff_bpm4aX_mean vs Slug



Right In: -14.847 ± 4.454

χ^2/NDF : 41.4/30

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -12.736 ± 4.569

χ^2/NDF : 25.3/33

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -11.123 ± 1.951

χ^2/NDF : 100.3/55

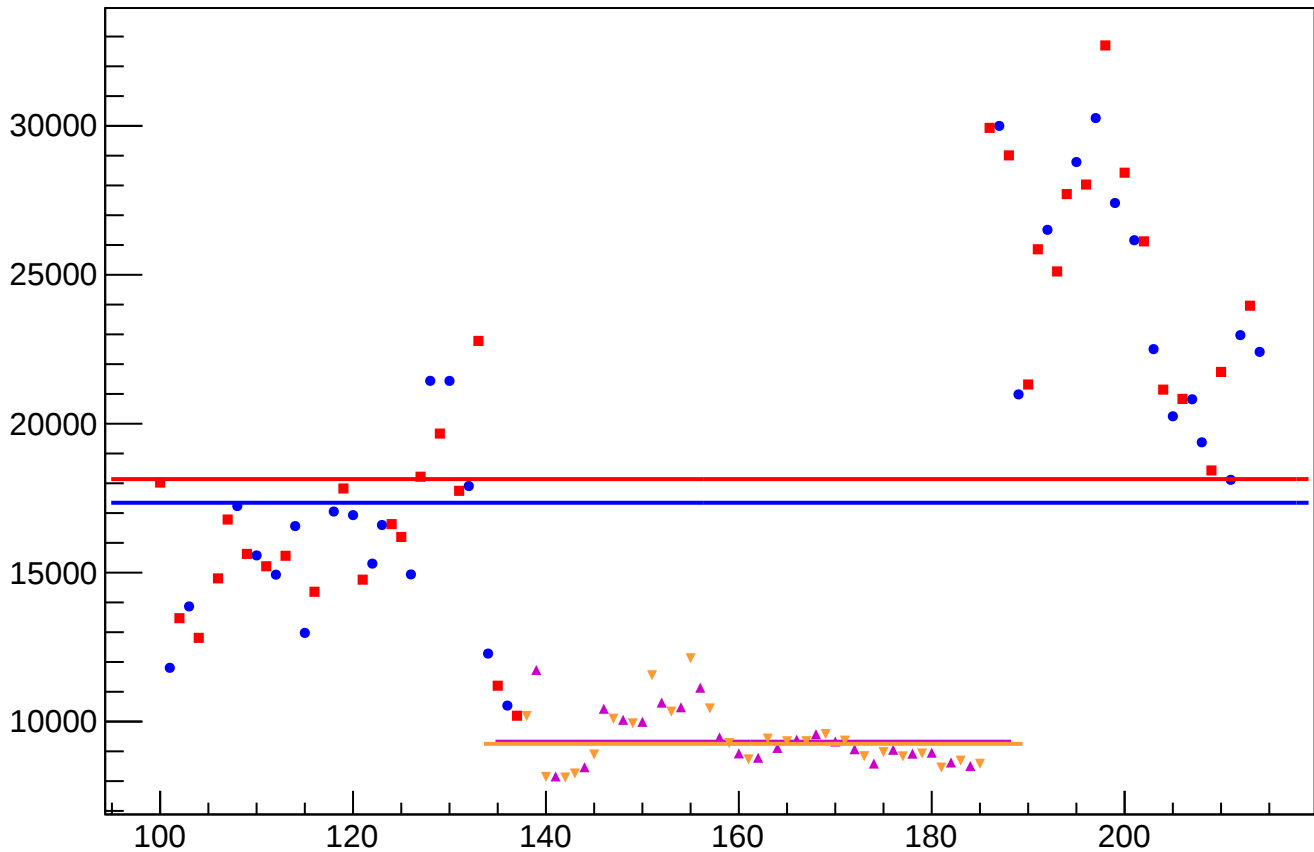
All: -6.984 ± 1.403

χ^2/NDF : 171.0/112

- sign -2.552 ± 2.019

χ^2/NDF : 61.3/56

diff_bpm4aX_rms vs Slug



Right In: 17346.456+/-3.150 χ^2/NDF : 2826467.8/30

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

+ sign 10804.788+/-1.380 χ^2/NDF : 8496795.4/55

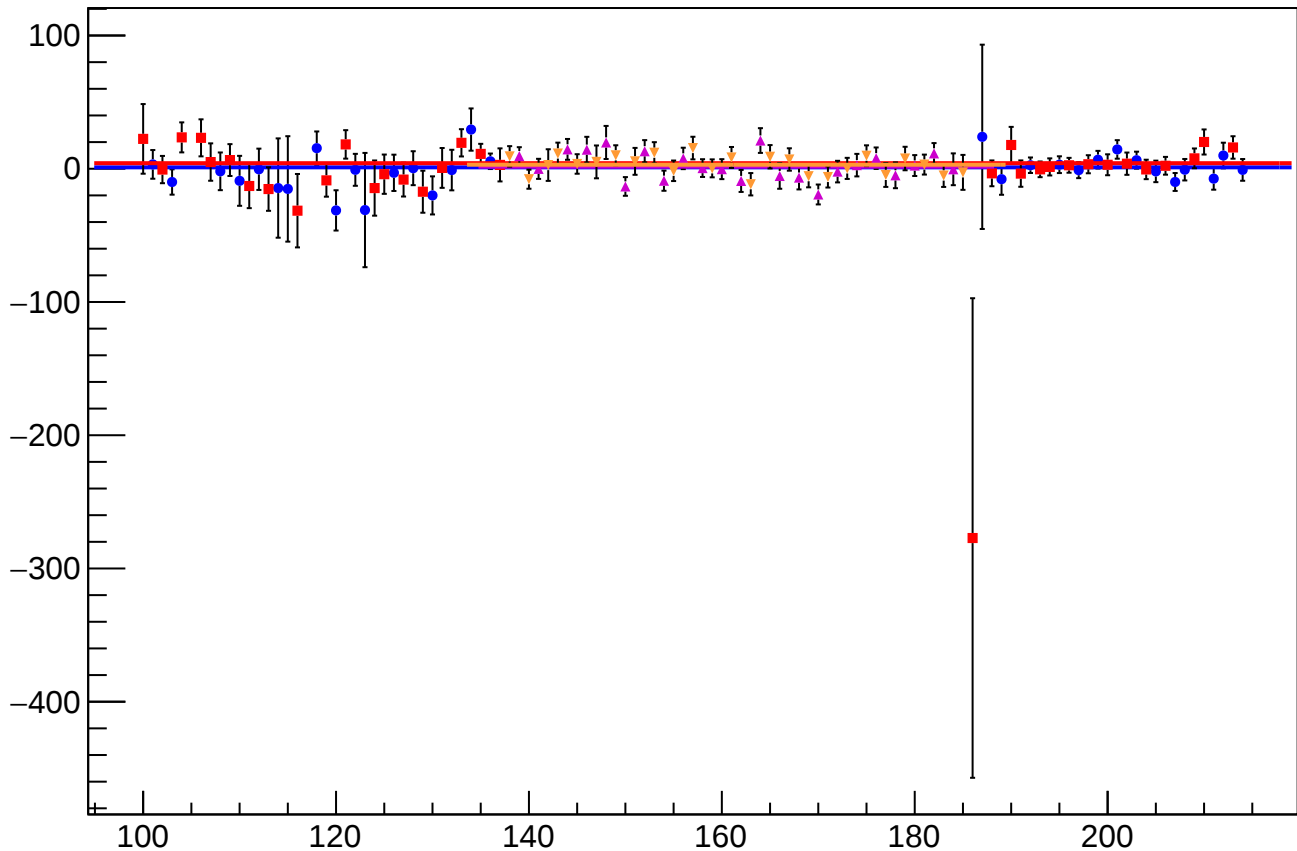
Right Out: 18140.379+/-3.230 χ^2/NDF : 2894505.1/33

All: 10921.115+/-0.992 χ^2/NDF : 17675563.1

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

- sign 11045.678+/-1.428 χ^2/NDF : 9164043.7/56

diff_bpm4aY_mean vs Slug



Right In: 1.054 ± 1.674 χ^2/NDF : 25.6/30

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

Right Out: 4.176 ± 1.657 χ^2/NDF : 30.8/33

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

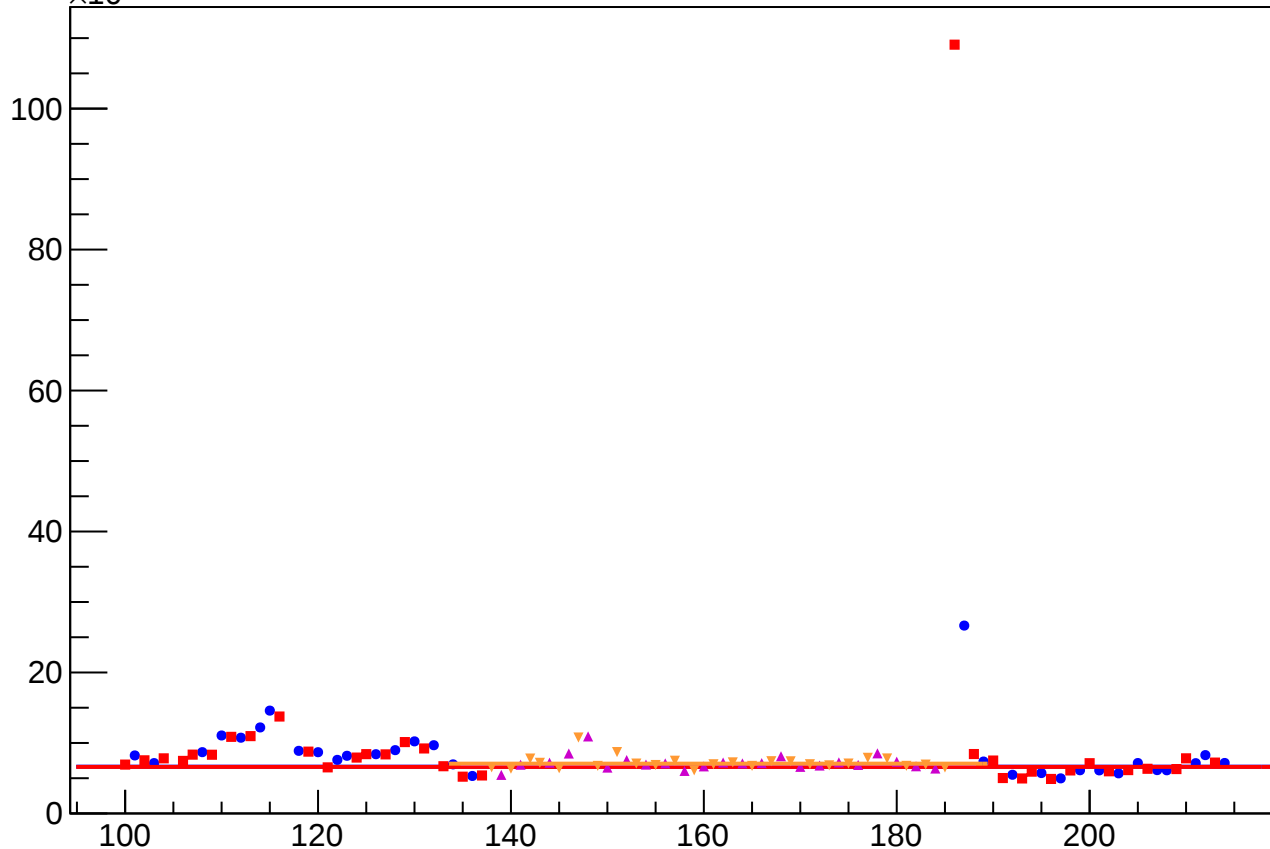
+ sign 2.049 ± 1.179 χ^2/NDF : 44.9/55

All: 2.480 ± 0.837 χ^2/NDF : 112.7/112

- sign 2.917 ± 1.187 χ^2/NDF : 67.5/56

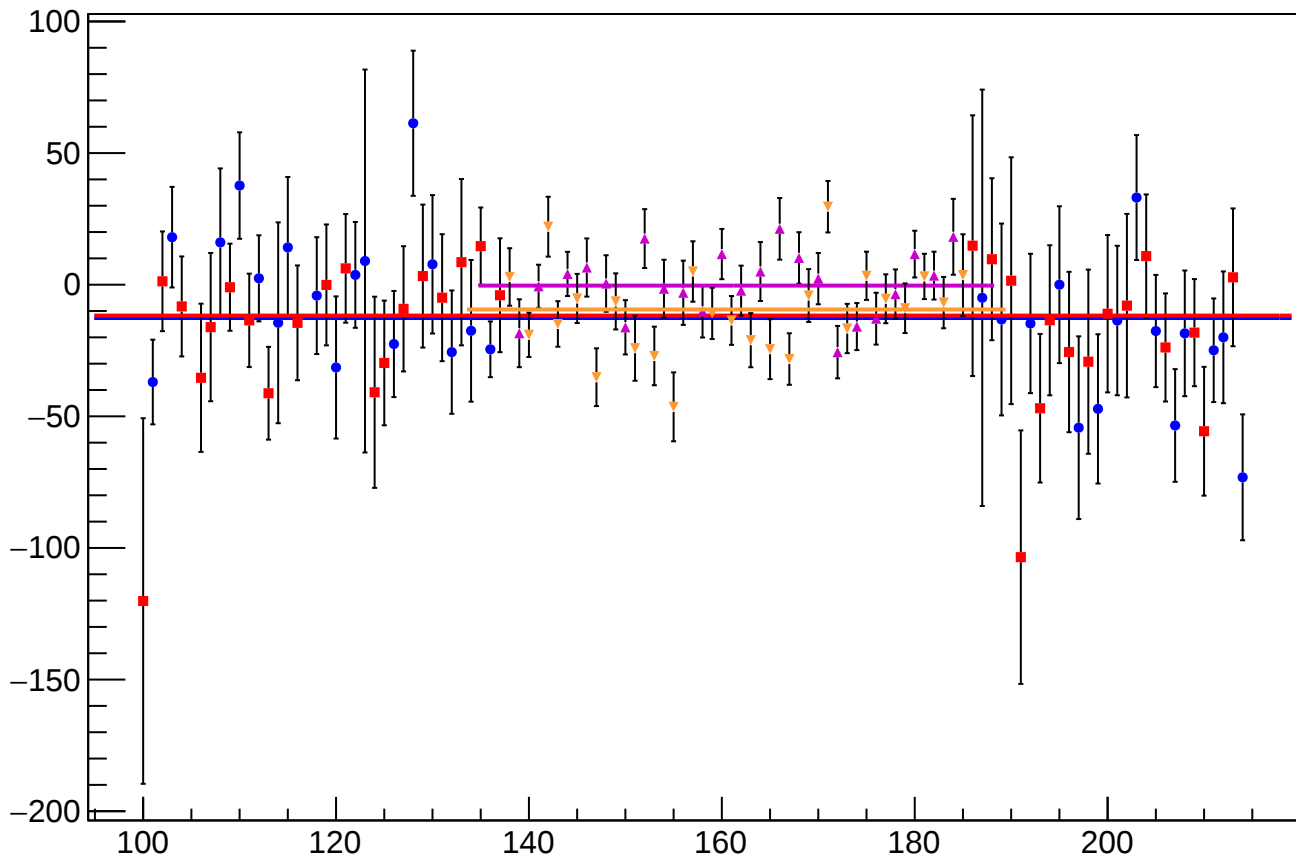
diff_bpm4aY_rms vs Slug

$\times 10^3$



Right In: 6636.451 $\pm$ 1.184	χ^2 /NDF: 1611125.3/30	+ sign 6852.228 $\pm$ 0.834	χ^2 /NDF: 2063822.0/55
Left Out: 7064.457 $\pm$ 1.174	χ^2 /NDF: 386814.9/24	All: 6828.290 $\pm$ 0.592	χ^2 /NDF: 4801624.1/11
Right Out: 6604.575 $\pm$ 1.172	χ^2 /NDF: 2151264.8/33	- sign 6804.009 $\pm$ 0.840	χ^2 /NDF: 2736141.4/56
Left In: 7014.572 $\pm$ 1.204	χ^2 /NDF: 525313.7/22		

diff_bpm4eX_mean vs Slug



Right In: -12.650 ± 4.077 χ^2/NDF : 42.5/30

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

Right Out: -11.735 ± 4.142 χ^2/NDF : 24.8/33

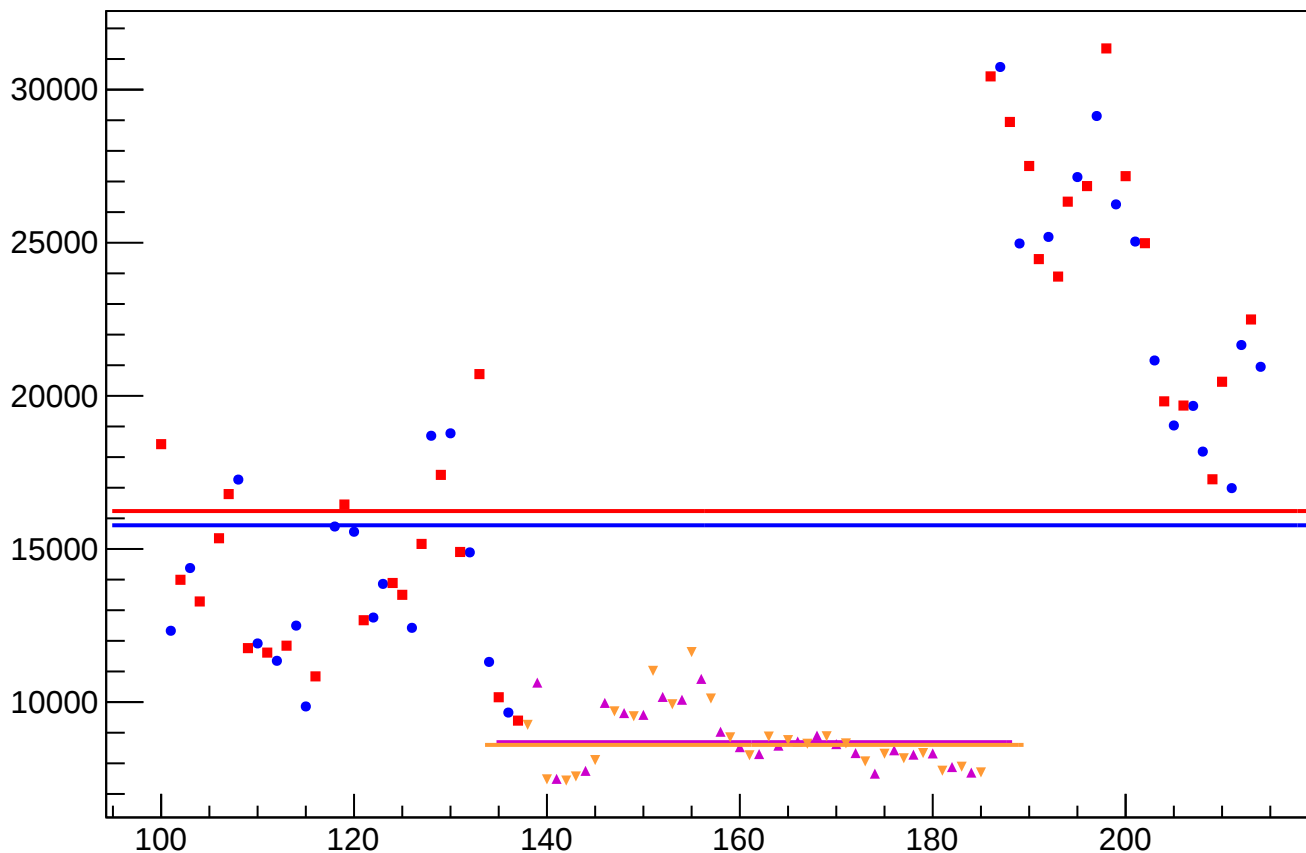
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -10.050 ± 1.811 χ^2/NDF : 101.7/55

All: -6.487 ± 1.302 χ^2/NDF : 170.4/112

- sign -2.674 ± 1.873 χ^2/NDF : 60.7/56

diff_bpm4eX_rms vs Slug



Right In: 15773.522 $\pm$ 2.883 χ^2 /NDF: 3289720.2/30

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

Right Out: 16238.147 $\pm$ 2.929 χ^2 /NDF: 3672843.2/33

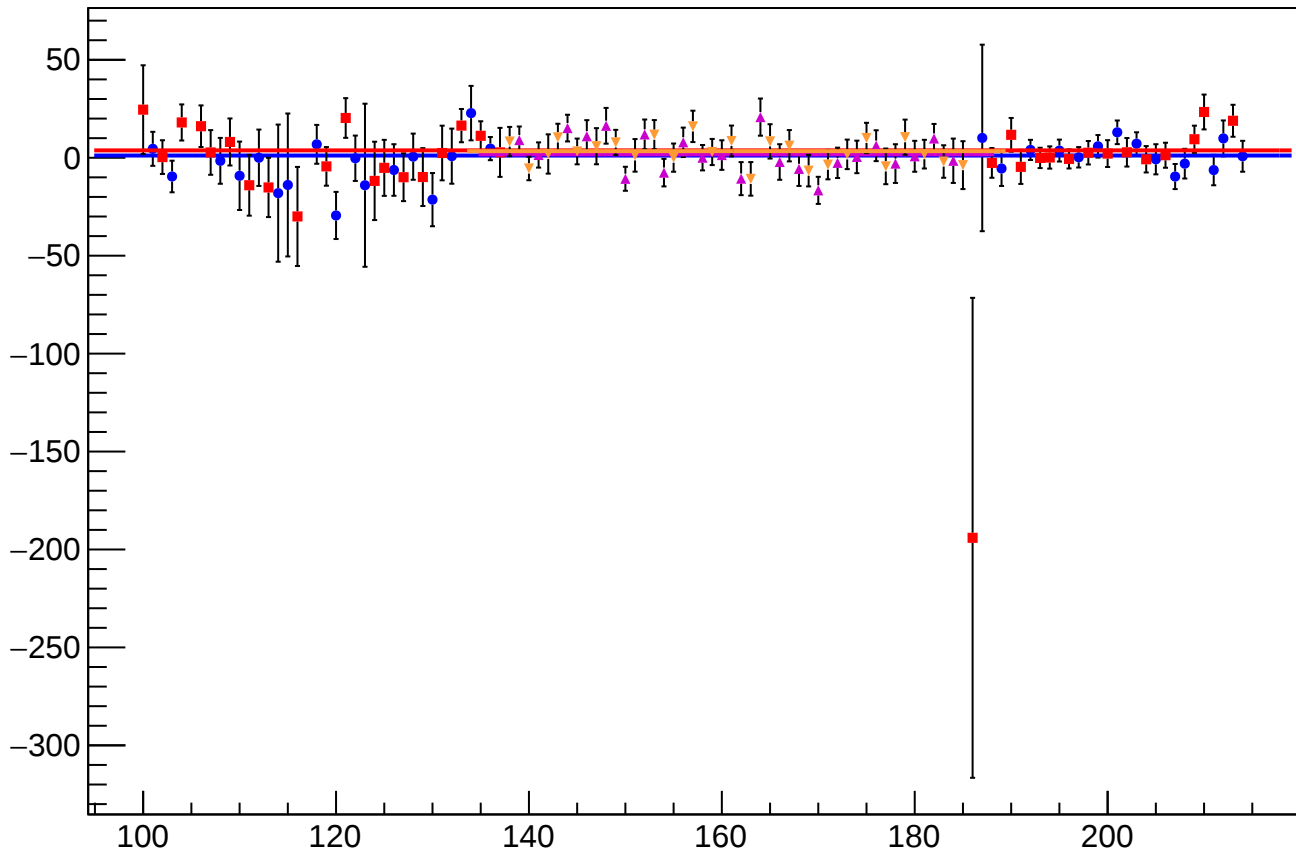
Left In: 8691.203 $\pm$ 1.485 χ^2 /NDF:365254.6/22

+ sign 10017.012 $\pm$ 1.280 χ^2 /NDF: 8696629.4/55

All: 10122.229 $\pm$ 0.921 χ^2 /NDF: 18029609.7/100

- sign 10234.858 $\pm$ 1.325 χ^2 /NDF: 9318998.2/56

diff_bpm4eY_mean vs Slug



Right In: 1.135 ± 1.511 χ^2/NDF : 27.3/30

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

Right Out: 3.764 ± 1.474 χ^2/NDF : 35.8/33

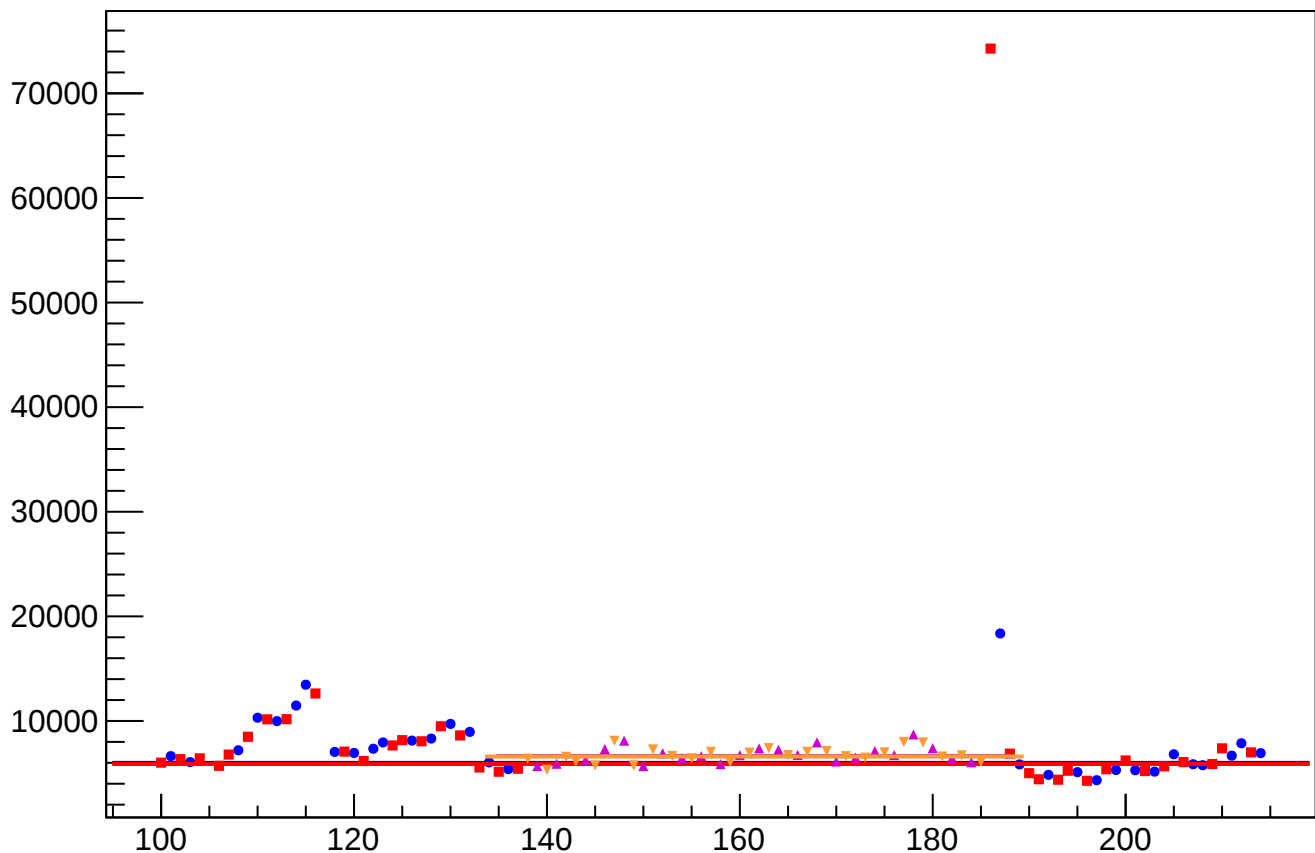
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.225 ± 1.083 χ^2/NDF : 45.6/55

All: 2.535 ± 0.767 χ^2/NDF : 115.9/112

- sign 2.847 ± 1.086 χ^2/NDF : 70.1/56

diff_bpm4eY_rms vs Slug



Right In: 5993.914+/-1.068 χ^2/NDF : 1632069.3/30

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

Right Out: 5888.649+/-1.042 χ^2/NDF : 2232452.4/33

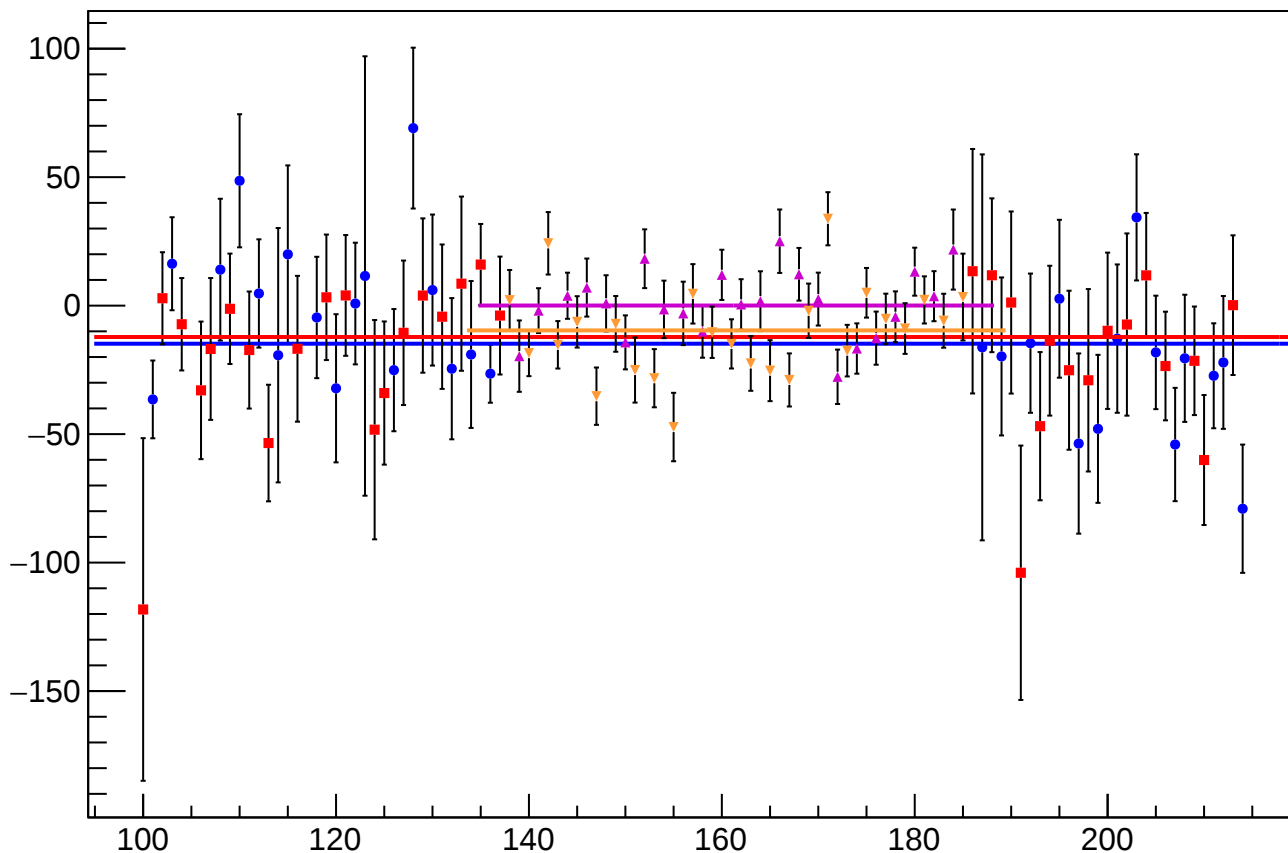
Left In: 6637.155+/-1.136 χ^2/NDF : 415547.5/22

+ sign 6290.819+/-0.766 χ^2/NDF : 2185968.8/55

All: 6260.843+/-0.542 χ^2/NDF : 5072684.5/11

- sign 6230.664+/-0.768 χ^2/NDF : 2883638.6/56

diff_bpm4acX_mean vs Slug



Right In: -14.816 $\pm$ 4.354 χ^2/NDF : 41.4/30

Left Out: -9.640 $\pm$ 2.122 χ^2/NDF : 59.9/24

Right Out: -12.214 $\pm$ 4.467 χ^2/NDF : 25.5/33

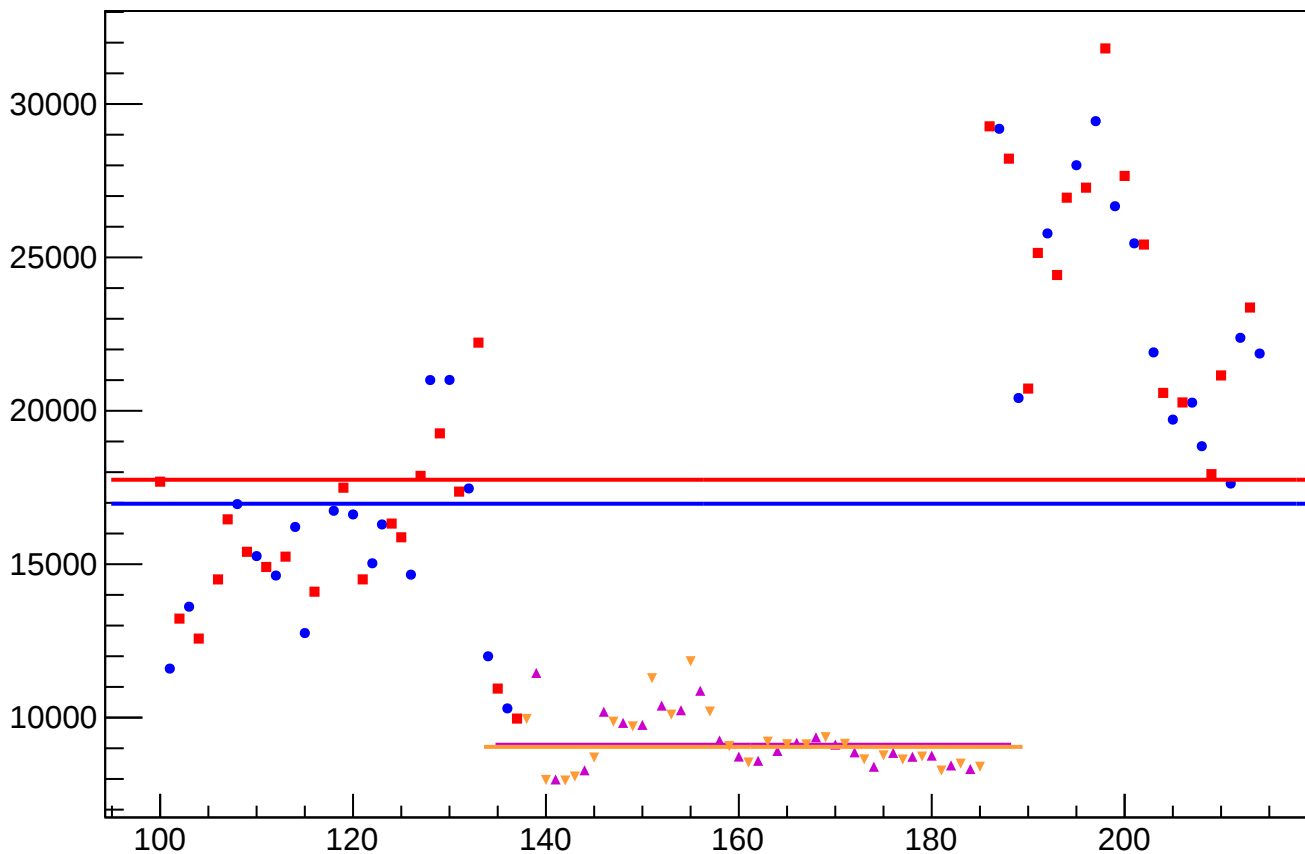
Left In: 0.042 $\pm$ 2.200 χ^2/NDF : 30.8/22

+ sign -10.633 $\pm$ 1.907 χ^2/NDF : 102.4/55

All: -6.633 $\pm$ 1.372 χ^2/NDF : 173.8/112

- sign -2.350 $\pm$ 1.974 χ^2/NDF : 62.3/56

diff_bpm4acX_rms vs Slug



Right In: 16970.695+/-3.079 χ^2/NDF : 2781198.3/30

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

Right Out: 17752.563+/-3.159 χ^2/NDF : 2843327.8/33

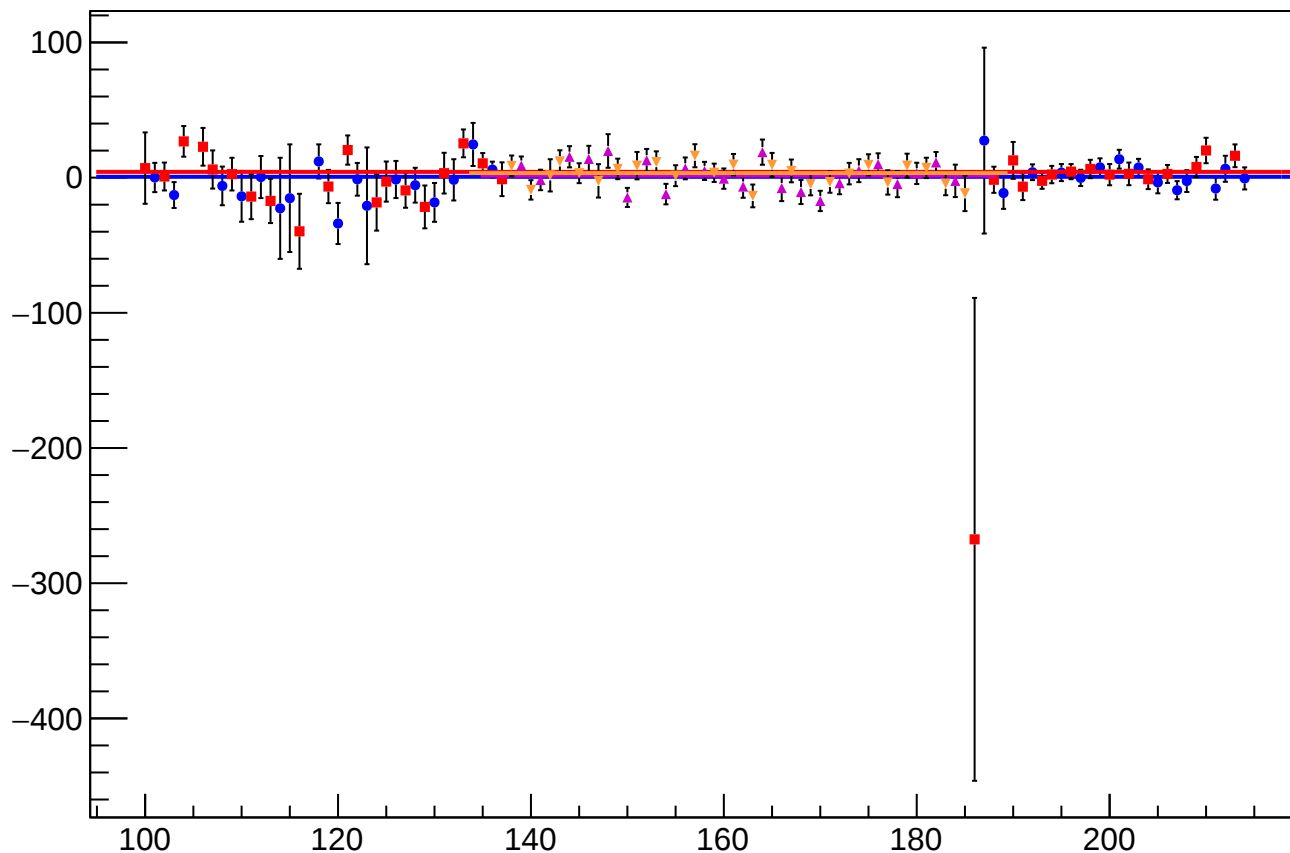
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 10566.391+/-1.349 χ^2/NDF : 8463087.0/55

All: 10680.083+/-0.970 χ^2/NDF : 17610027.1

- sign 10801.826+/-1.396 χ^2/NDF : 9132225.0/56

diff_bpm4acY_mean vs Slug



Right In: 0.627 ± 1.679 χ^2/NDF : 26.3/30

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

Right Out: 4.262 ± 1.663 χ^2/NDF : 36.1/33

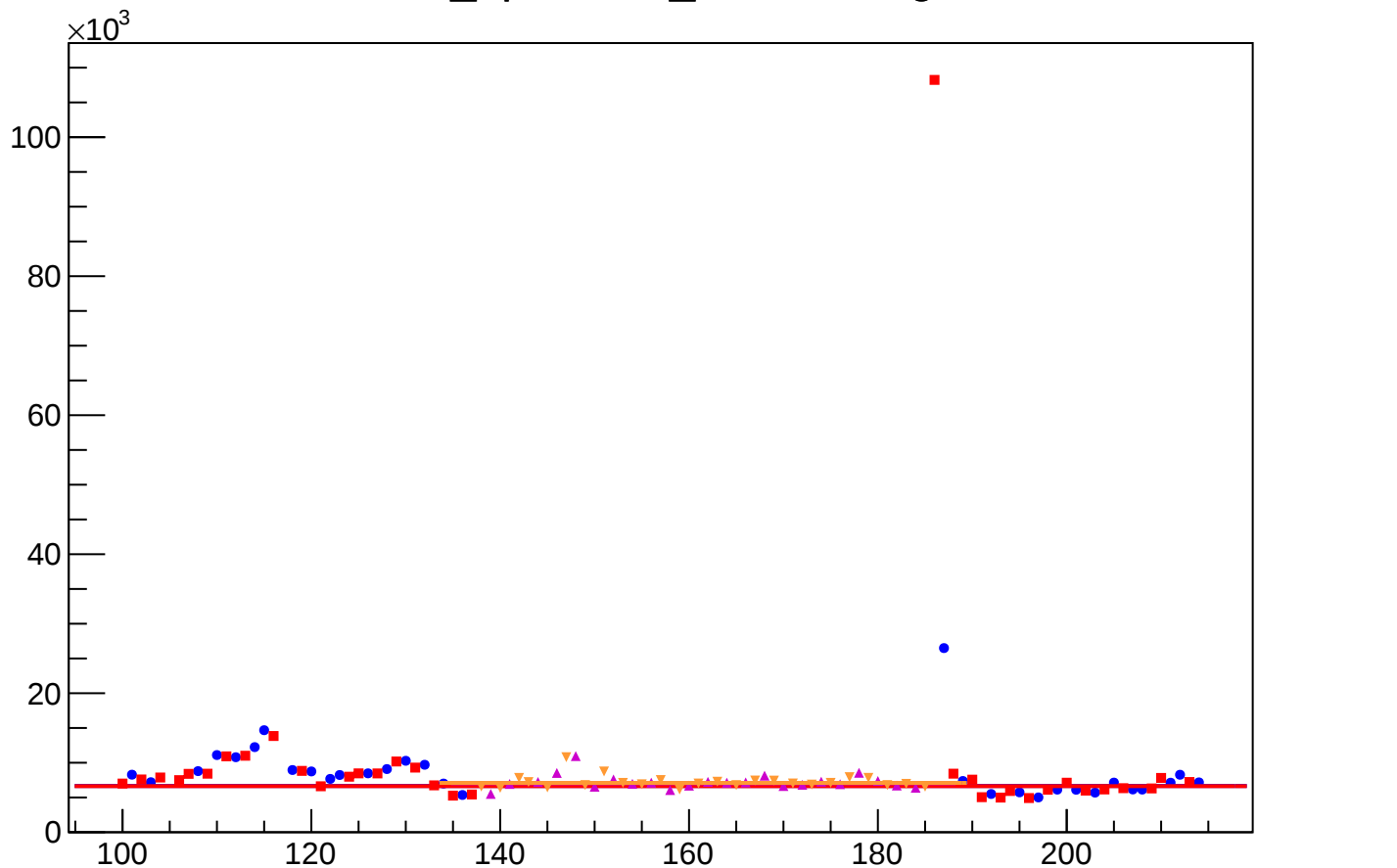
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

+ sign 2.016 ± 1.183 χ^2/NDF : 47.1/55

All: 2.460 ± 0.840 χ^2/NDF : 121.6/112

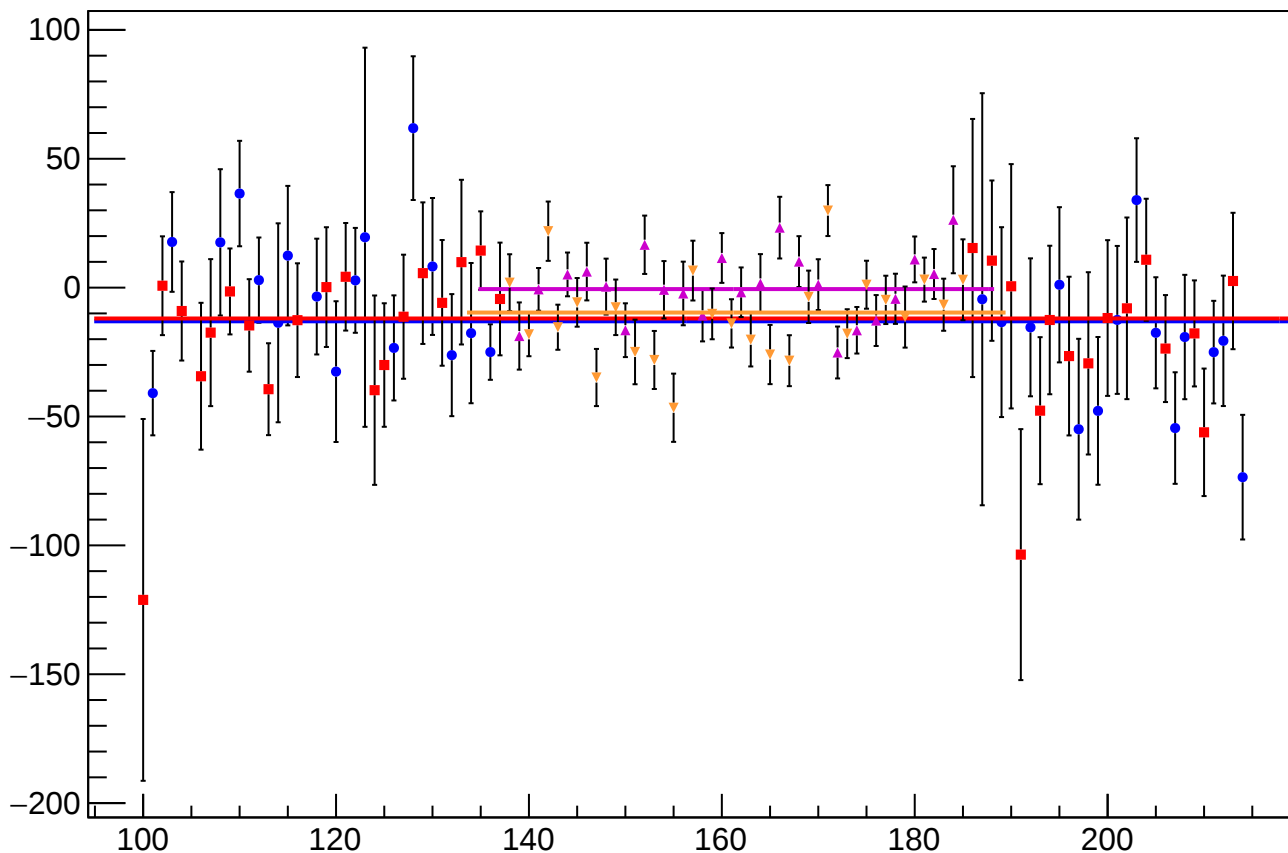
- sign 2.910 ± 1.192 χ^2/NDF : 74.2/56

diff_bpm4acY_rms vs Slug



Right In: 6656.796 $\pm$ 1.188	χ^2/NDF : 1617490.0/30	+ sign 6878.100 $\pm$ 0.837	χ^2/NDF : 2068406.8/55
Left Out: 7096.350 $\pm$ 1.179	χ^2/NDF : 381942.1/24	All: 6855.412 $\pm$ 0.594	χ^2/NDF : 4803441.7/11
Right Out: 6629.228 $\pm$ 1.176	χ^2/NDF : 2154695.4/33	- sign 6832.386 $\pm$ 0.843	χ^2/NDF : 2733553.8/56
Left In: 7047.269 $\pm$ 1.209	χ^2/NDF : 517433.5/22		

diff_bpm4ecX_mean vs Slug



Right In: -13.062 ± 4.128 $\chi^2/\text{NDF}: 42.9/30$

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

Right Out: -11.972 ± 4.197 $\chi^2/\text{NDF}: 23.7/33$

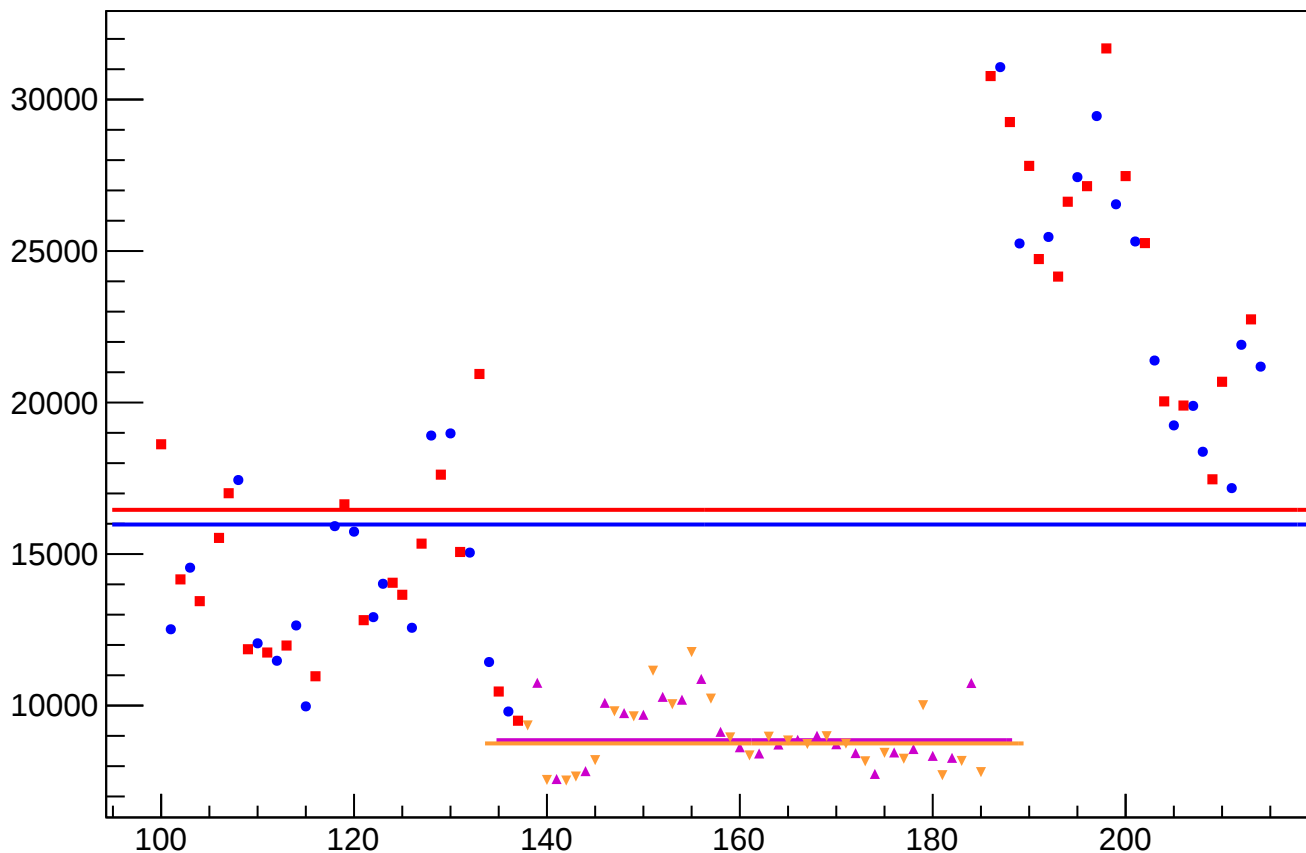
Left In: -0.564 ± 2.144 $\chi^2/\text{NDF}: 29.7/22$

+ sign -10.347 ± 1.844 $\chi^2/\text{NDF}: 101.4/55$

All: -6.765 ± 1.326 $\chi^2/\text{NDF}: 168.5/112$

- sign -2.924 ± 1.909 $\chi^2/\text{NDF}: 59.3/56$

diff_bpm4ecX_rms vs Slug



Right In: 15975.034 $\pm$ 2.919 χ^2 /NDF: 3266533.6/30

Left Out: 8750.420 $\pm$ 1.457 χ^2 /NDF: 463880.1/24

Right Out: 16459.344 $\pm$ 2.968 χ^2 /NDF: 3634504.1/33

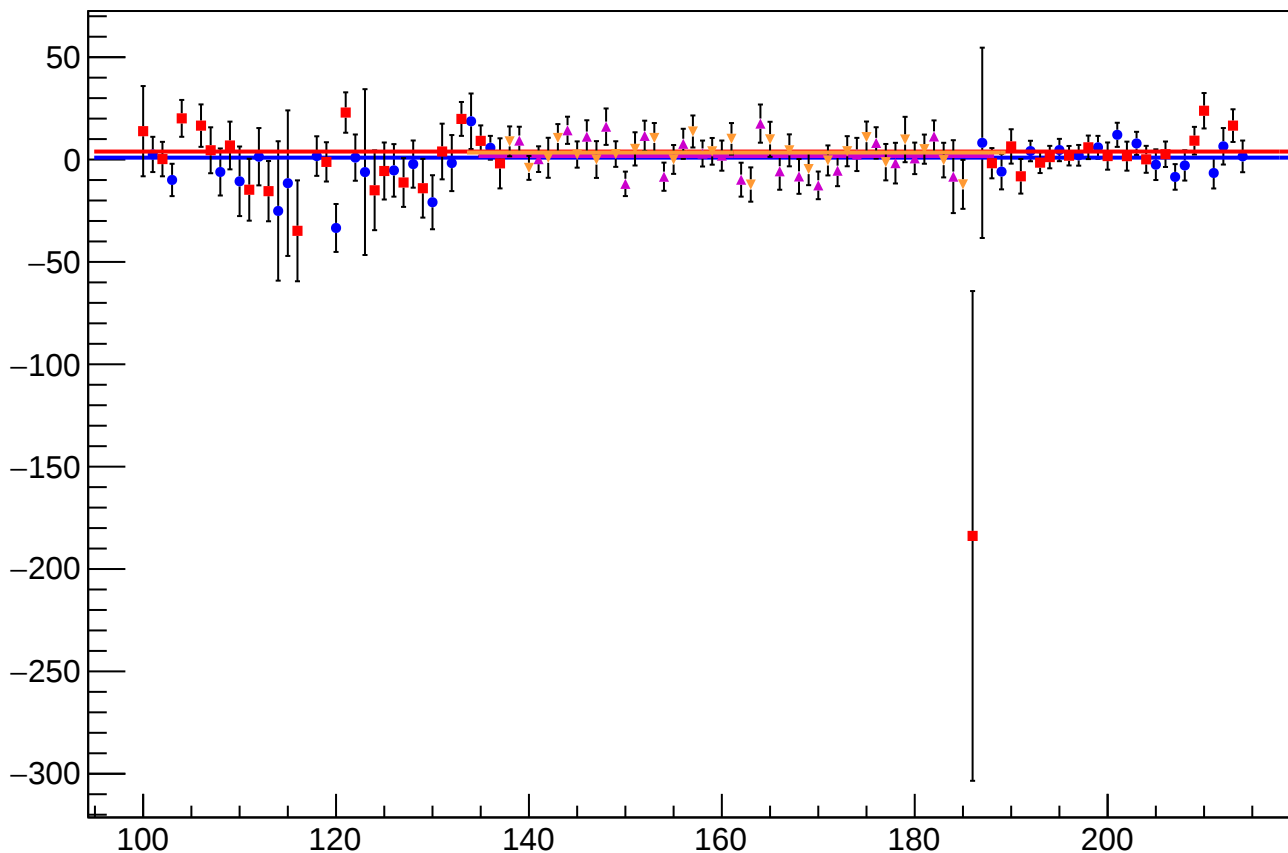
Left In: 8857.329 $\pm$ 1.516 χ^2 /NDF: 361778.8/22

+ sign 10191.582 $\pm$ 1.304 χ^2 /NDF: 8634495.1/55

All: 10306.737 $\pm$ 0.938 χ^2 /NDF: 17850947.9

- sign 10430.205 $\pm$ 1.350 χ^2 /NDF: 9200284.9/56

diff_bpm4ecY_mean vs Slug



Right In: 0.936 ± 1.474 χ^2/NDF : 29.2/30

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

Right Out: 3.910 ± 1.437 χ^2/NDF : 39.8/33

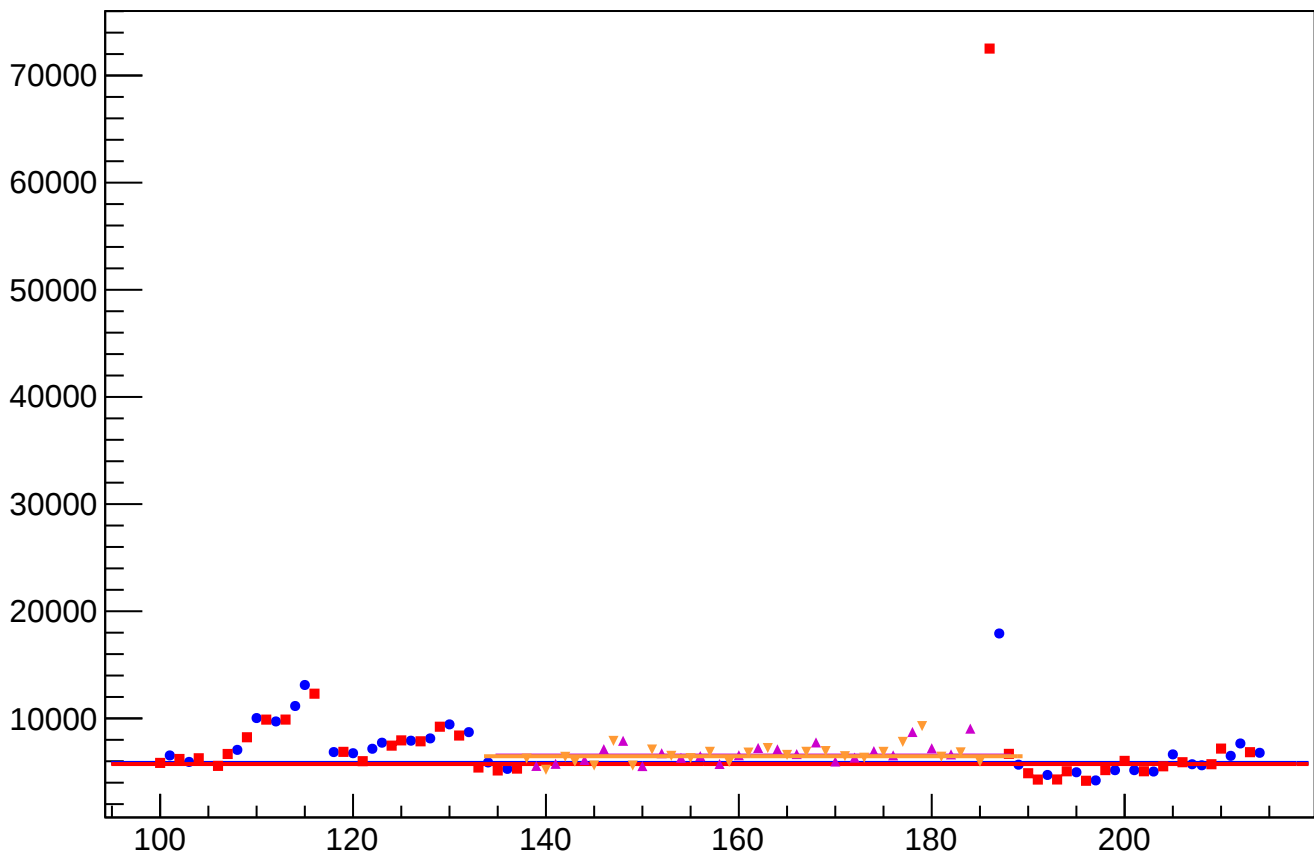
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 2.141 ± 1.060 χ^2/NDF : 46.8/55

All: 2.533 ± 0.751 χ^2/NDF : 121.5/112

- sign 2.929 ± 1.065 χ^2/NDF : 74.5/56

diff_bpm4ecY_rms vs Slug



Right In: 5844.605 $\pm$ 1.042 χ^2 /NDF: 1639121.4/30

Left Out: 6468.872 $\pm$ 1.079 χ^2 /NDF: 487187.3/24

Right Out: 5738.923 $\pm$ 1.016 χ^2 /NDF: 2223839.0/33

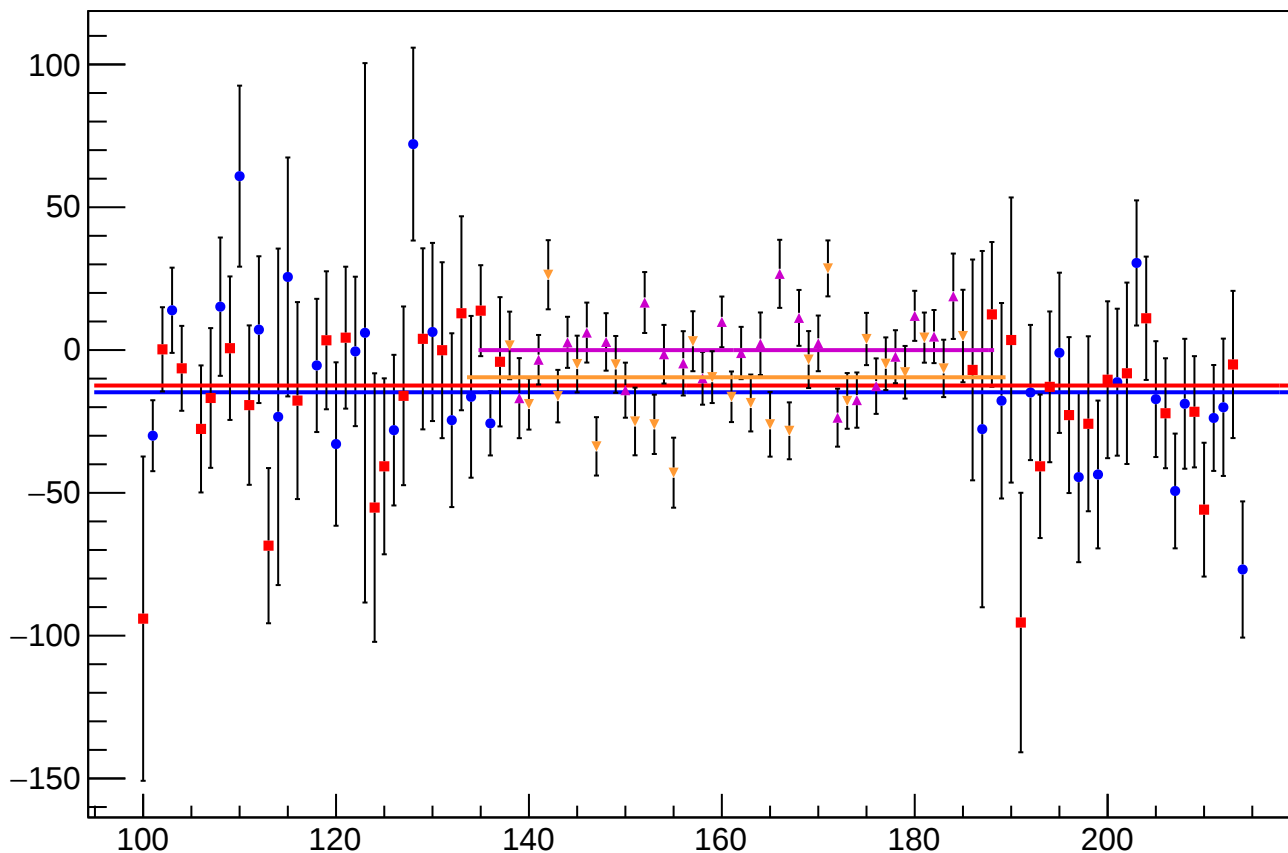
Left In: 6530.954 $\pm$ 1.121 χ^2 /NDF: 464668.6/22

+ sign 6145.996 $\pm$ 0.750 χ^2 /NDF: 2299499.9/55

All: 6121.134 $\pm$ 0.531 χ^2 /NDF: 5264157.3/11

- sign 6096.046 $\pm$ 0.753 χ^2 /NDF: 2962447.2/56

diff_bpm1X_mean vs Slug



Right In: -14.779 ± 4.156 χ^2/NDF : 40.3/30

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

Right Out: -12.422 ± 4.282 χ^2/NDF : 25.7/33

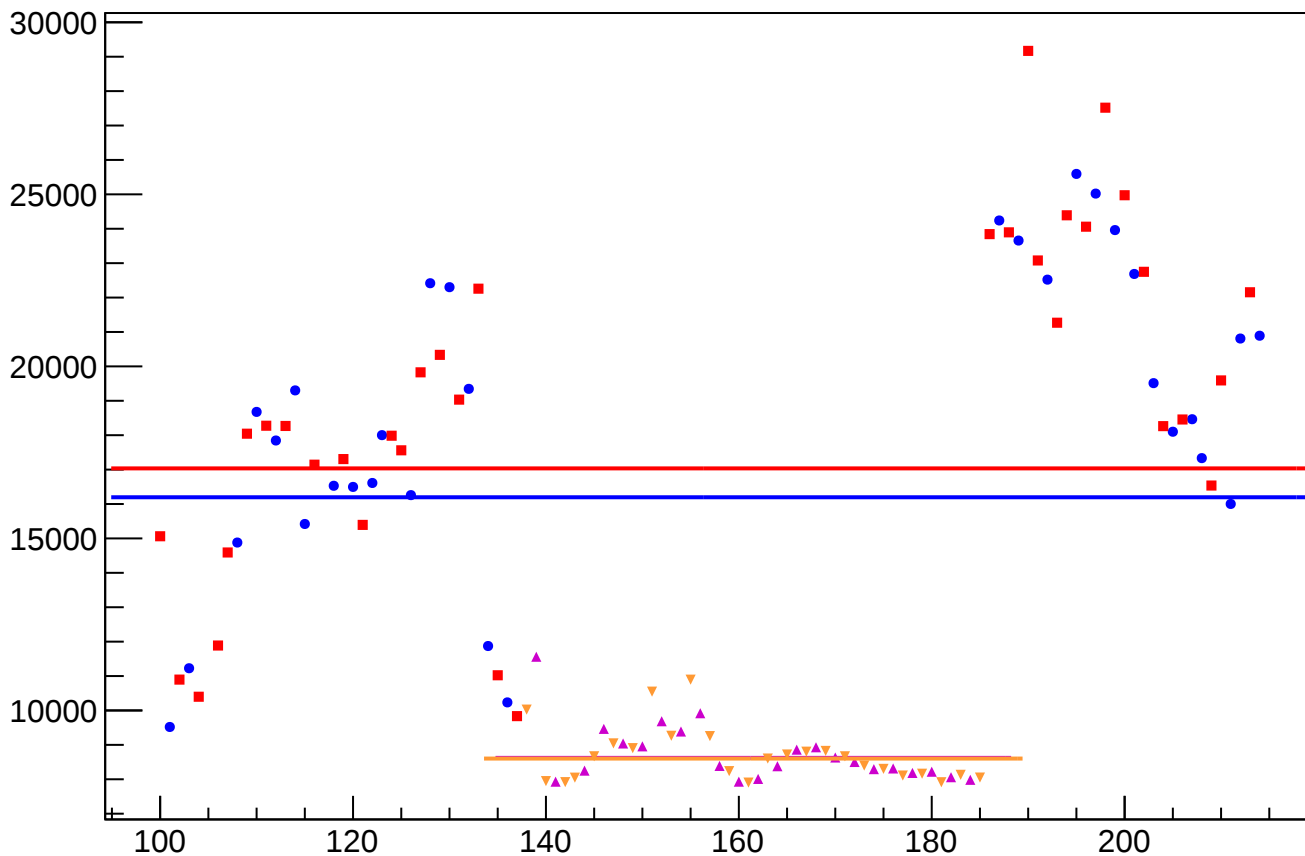
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -10.528 ± 1.813 χ^2/NDF : 101.1/55

All: -6.587 ± 1.302 χ^2/NDF : 173.3/112

- sign -2.392 ± 1.871 χ^2/NDF : 62.4/56

diff_bpm1X_rms vs Slug



Right In: 16196.134 $\pm$ 2.939 χ^2 /NDF: 2833917.3/30

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

Right Out: 17035.156 $\pm$ 3.028 χ^2 /NDF: 2771620.9/33

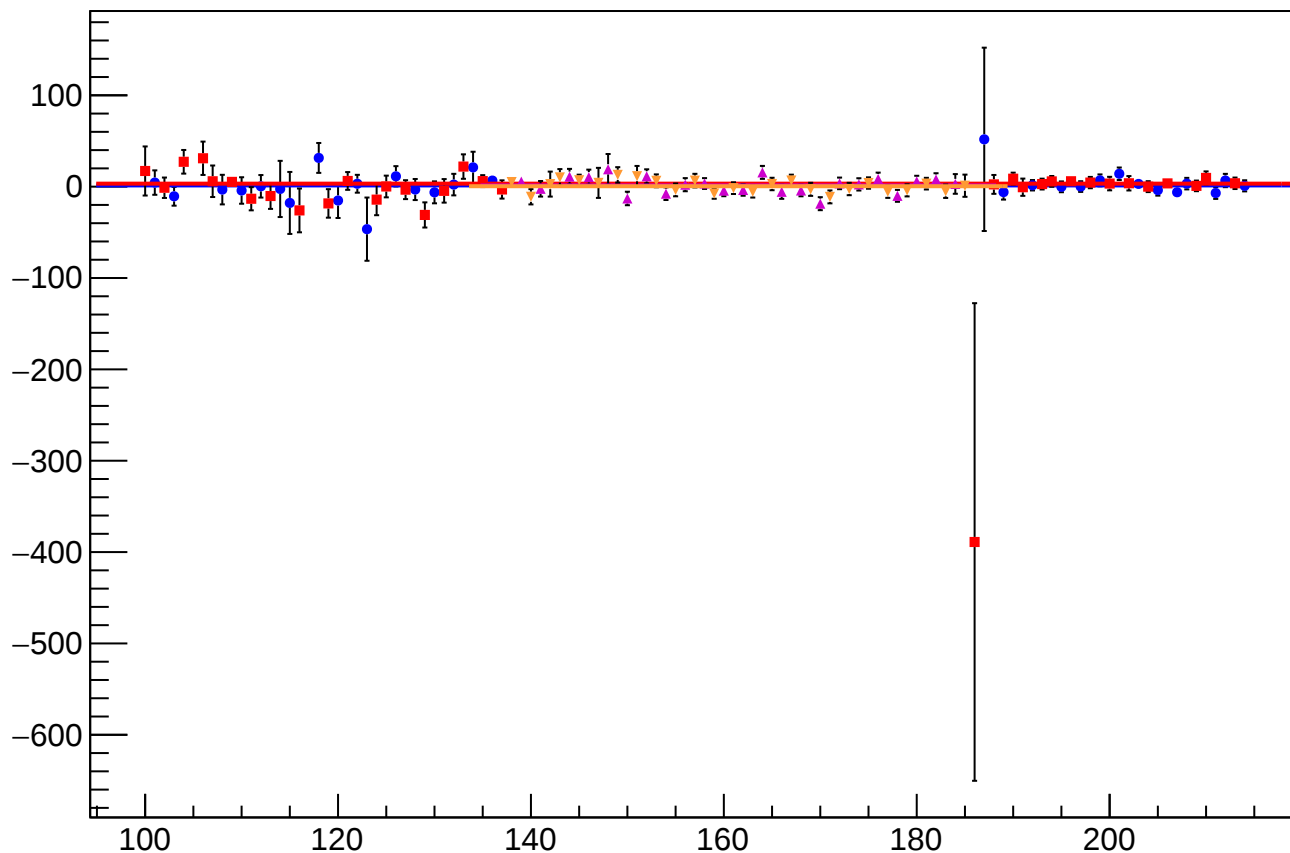
Left In: 8621.975 $\pm$ 1.471 χ^2 /NDF:230824.4/22

+ sign 10047.602 $\pm$ 1.282 χ^2 /NDF: 8489536.3/55

All: 10134.850 $\pm$ 0.921 χ^2 /NDF: 17747554.8/100

- sign 10227.726 $\pm$ 1.323 χ^2 /NDF: 9248459.4/56

diff_bpm1Y_mean vs Slug



Right In: 1.350 $\pm$ 1.455 χ^2 /NDF: 22.7/30

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

Right Out: 3.291 $\pm$ 1.407 χ^2 /NDF: 27.9/33

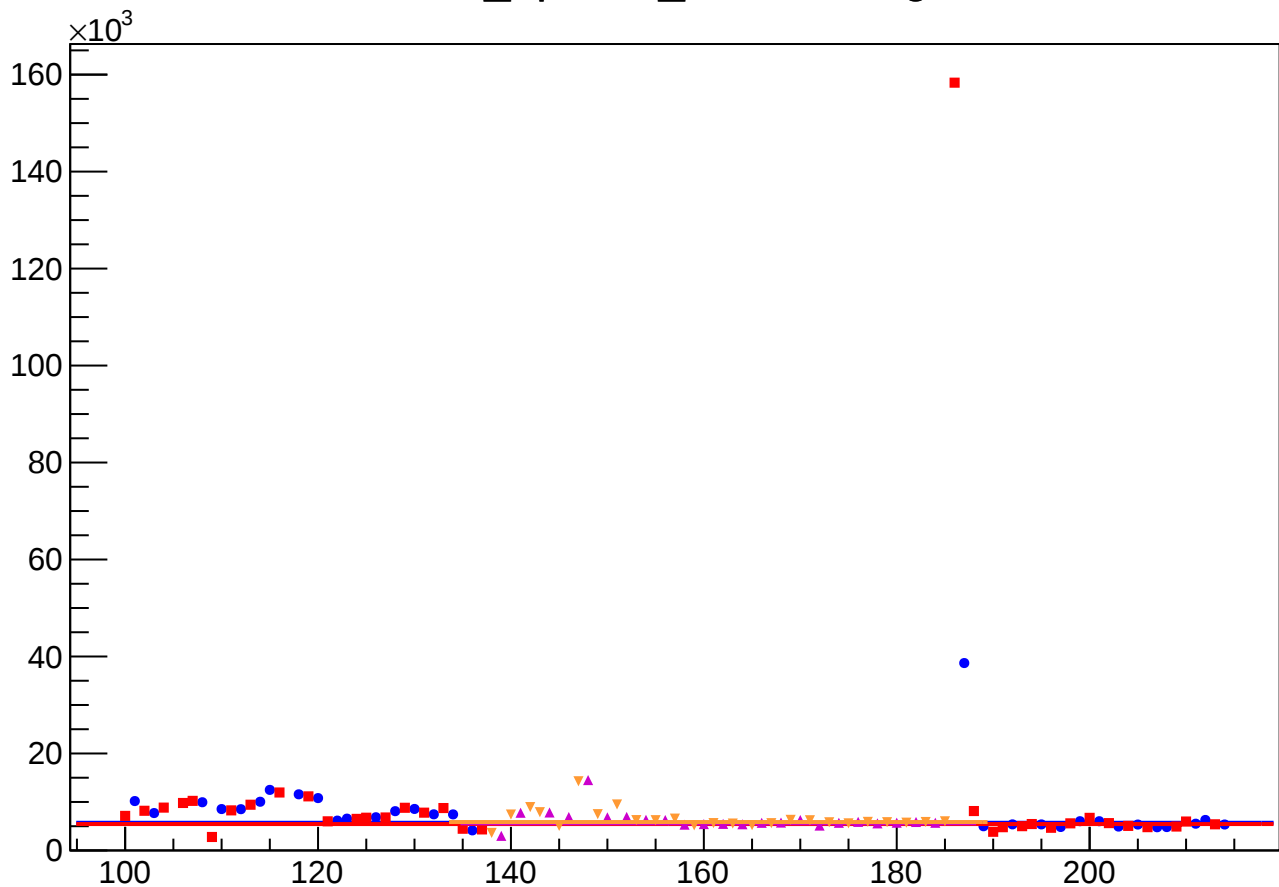
Left In: 1.298 $\pm$ 1.406 χ^2 /NDF:33.0/22

+ sign 0.905 $\pm$ 1.016 χ^2 /NDF: 42.4/55

All: 1.614 $\pm$ 0.711 χ^2 /NDF: 105.4/112

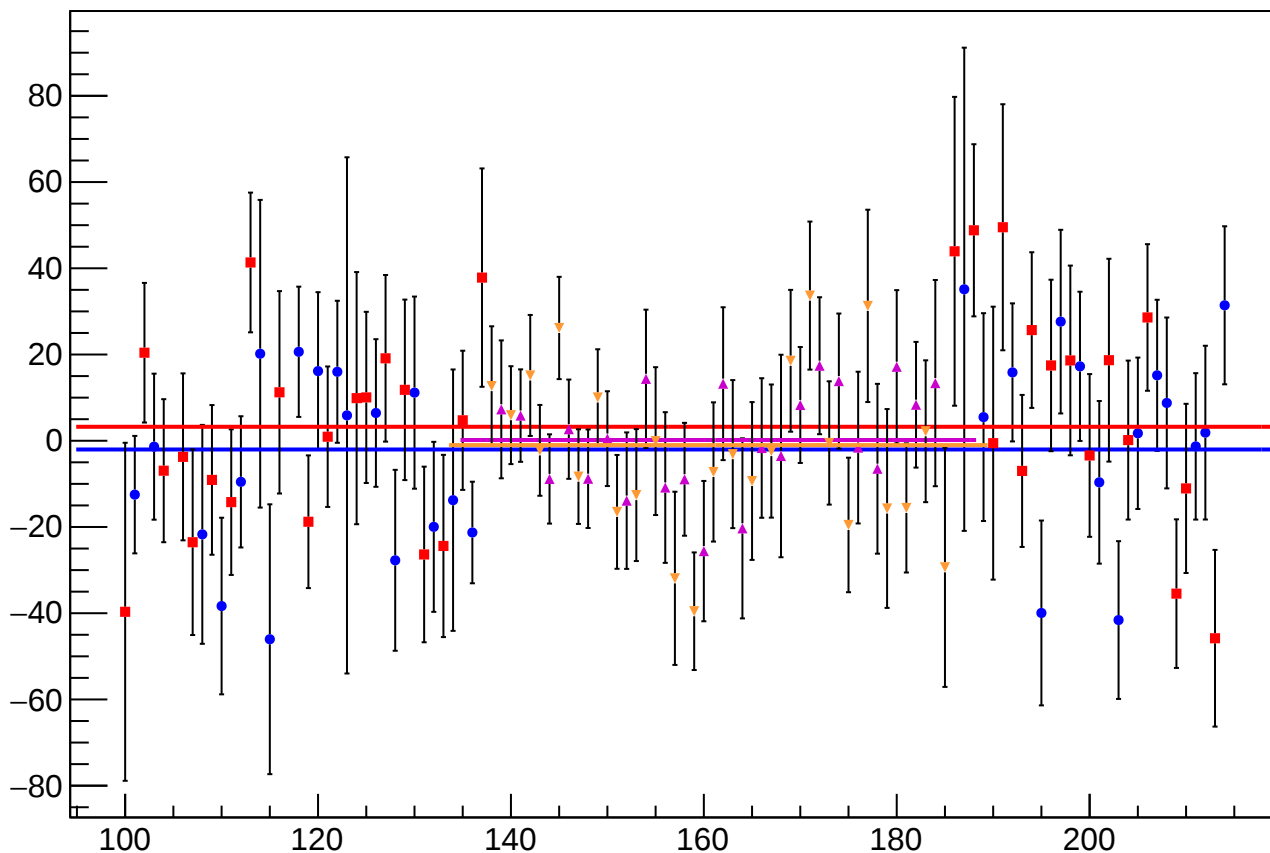
- sign 2.294 $\pm$ 0.994 χ^2 /NDF: 62.0/56

diff_bpm1Y_rms vs Slug



Right In: 5709.052+/-1.029	χ^2/NDF : 2130880.2/30	+ sign 5785.701+/-0.718	χ^2/NDF : 3833058.6/55
Left Out: 5858.642+/-1.004	χ^2/NDF : 1691344.1/24	All: 5650.119+/-0.503	χ^2/NDF : 9463870.0/11
Right Out: 5443.458+/-0.995	χ^2/NDF : 3459402.6/33	- sign 5520.191+/-0.703	χ^2/NDF : 5561052.2/56
Left In: 5596.879+/-0.994	χ^2/NDF : 2089750.1/22		

diff_bpm11X_mean vs Slug



Right In: -2.025 ± 3.405 χ^2/NDF : 34.8/30

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

Right Out: 3.242 ± 3.374 χ^2/NDF : 46.5/33

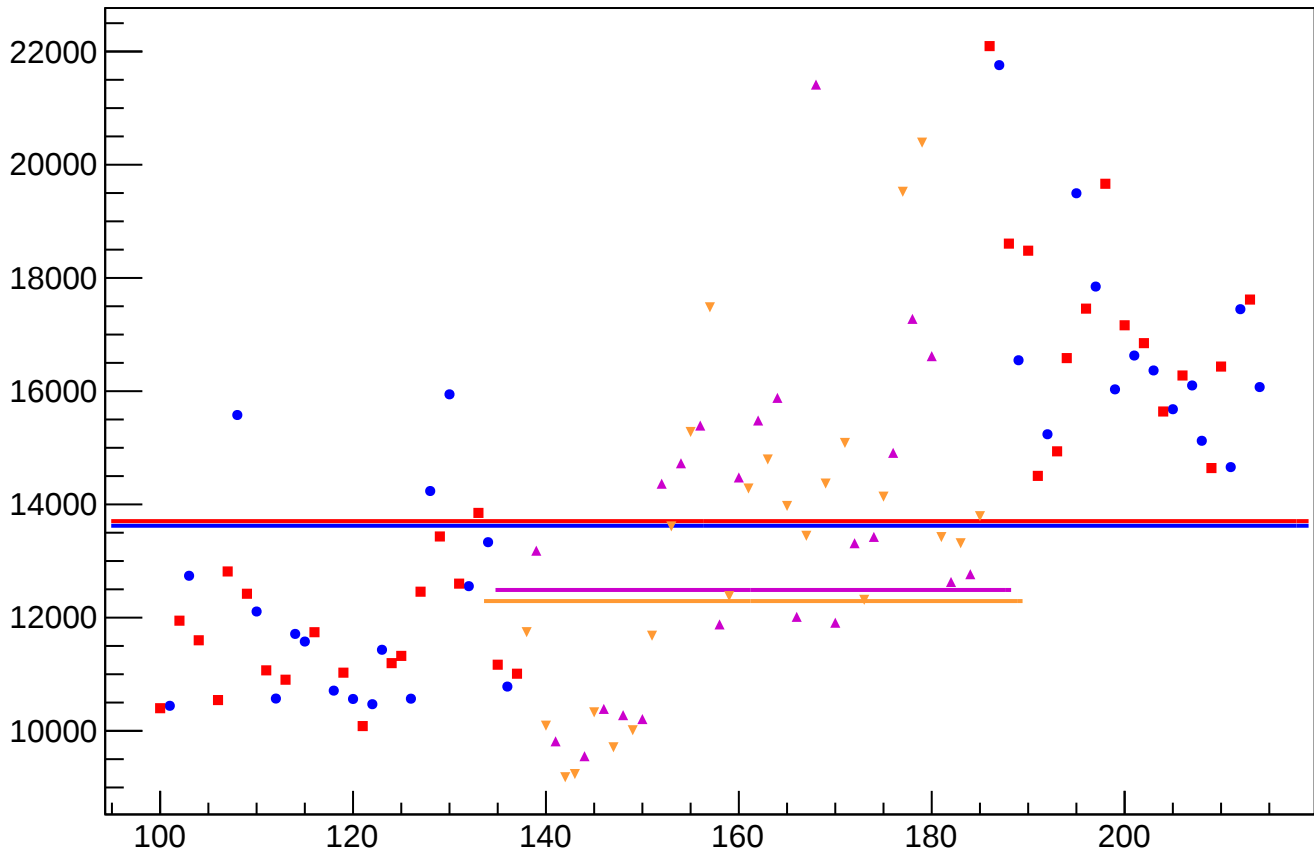
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -1.442 ± 2.226 χ^2/NDF : 68.3/55

All: 0.030 ± 1.589 χ^2/NDF : 128.5/112

- sign 1.561 ± 2.270 χ^2/NDF : 59.3/56

diff_bpm11X_rms vs Slug



Right In: 13623.242 $\pm$ 2.408 χ^2 /NDF: 1297268.6/30

Left Out: 12292.583 $\pm$ 2.080 χ^2 /NDF: 1502548.3/24

Right Out: 13704.910 $\pm$ 2.386 χ^2 /NDF: 1394084.6/33

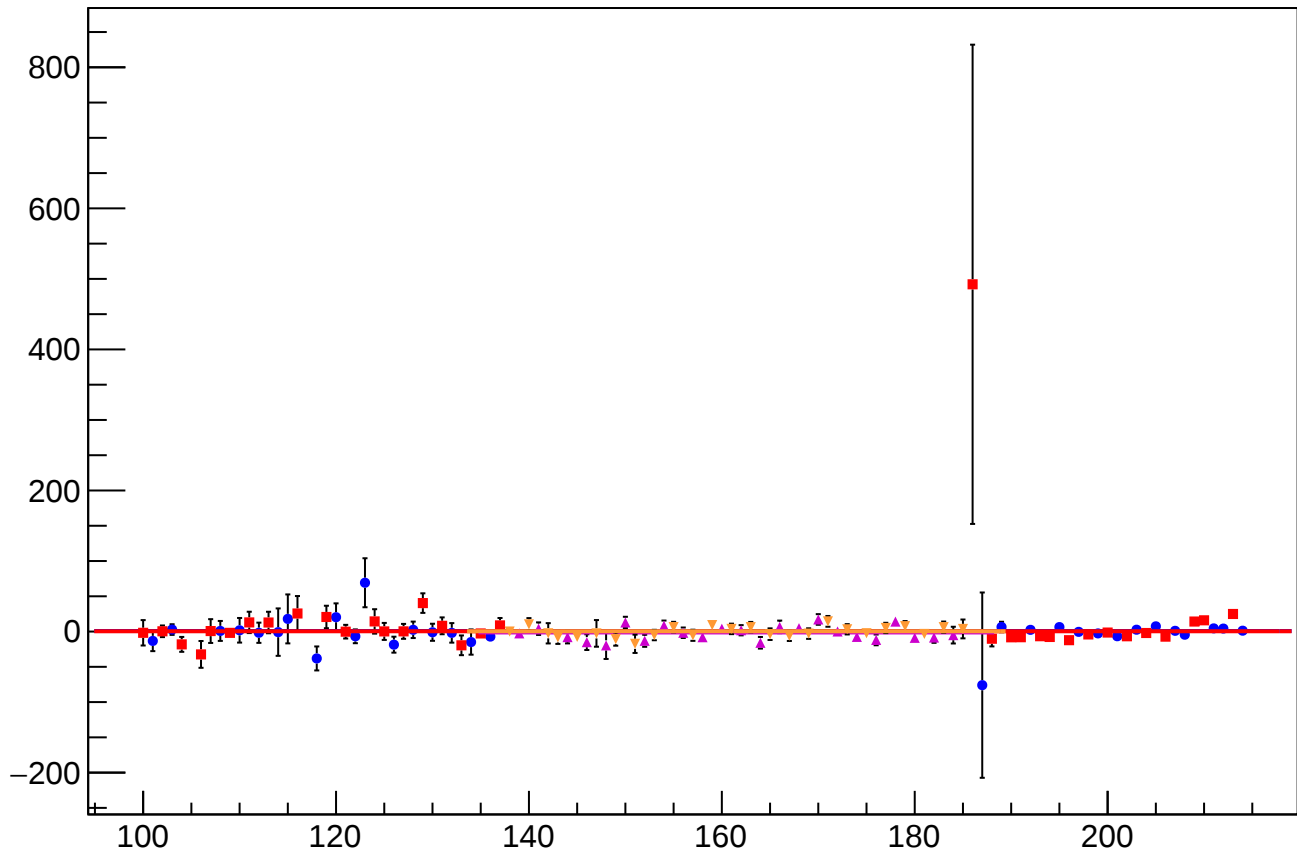
Left In: 12488.821 $\pm$ 2.169 χ^2 /NDF: 1354485.4/22

+ sign 12861.284 $\pm$ 1.574 χ^2 /NDF: 2974731.4/55

All: 12948.459 $\pm$ 1.124 χ^2 /NDF: 5871813.8/100

- sign 13039.089 $\pm$ 1.605 χ^2 /NDF: 2890825.6/56

diff_bpm11Y_mean vs Slug



Right In: 0.779 ± 1.190 χ^2/NDF : 28.8/30

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

Right Out: 0.422 ± 1.198 χ^2/NDF : 90.2/33

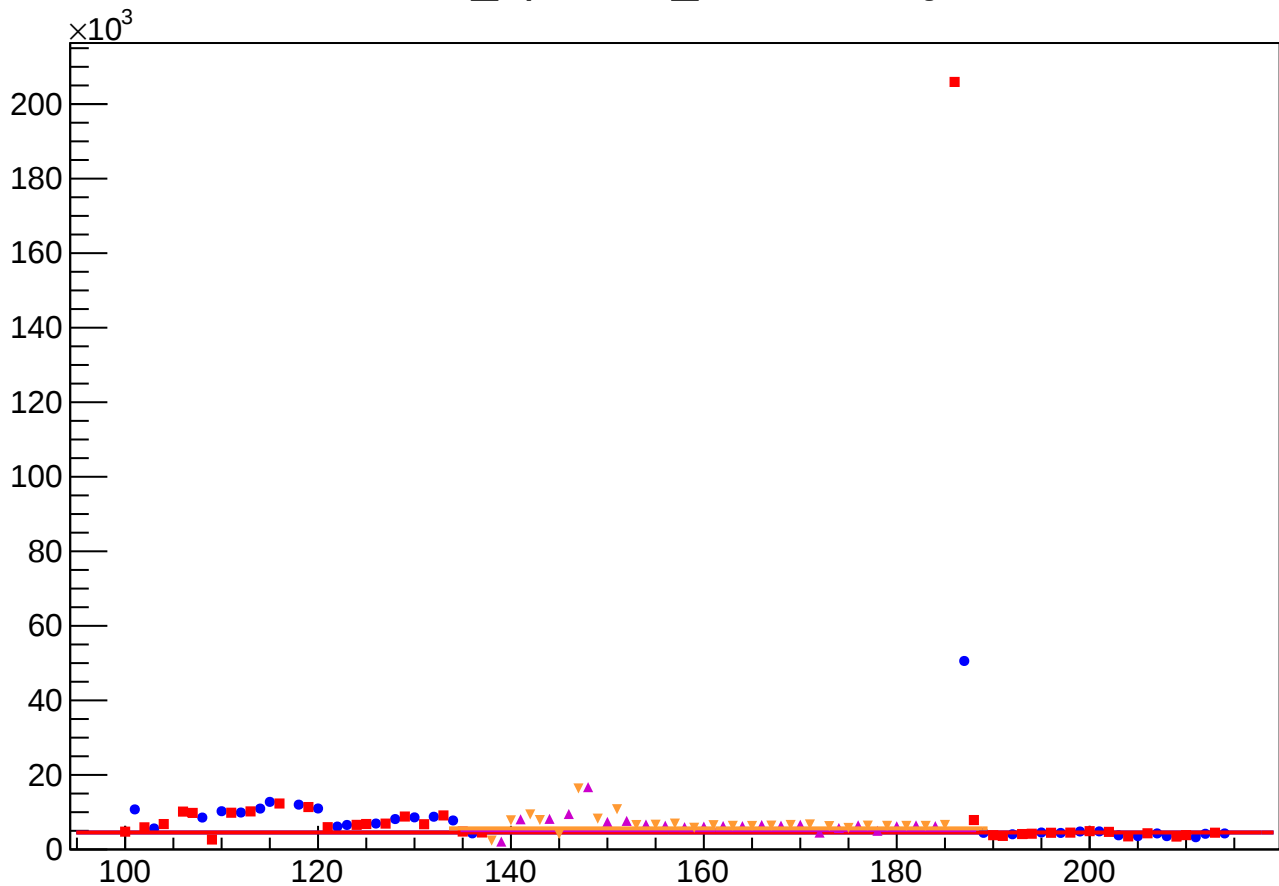
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign 0.628 ± 0.916 χ^2/NDF : 48.1/55

All: 0.157 ± 0.644 χ^2/NDF : 173.7/112

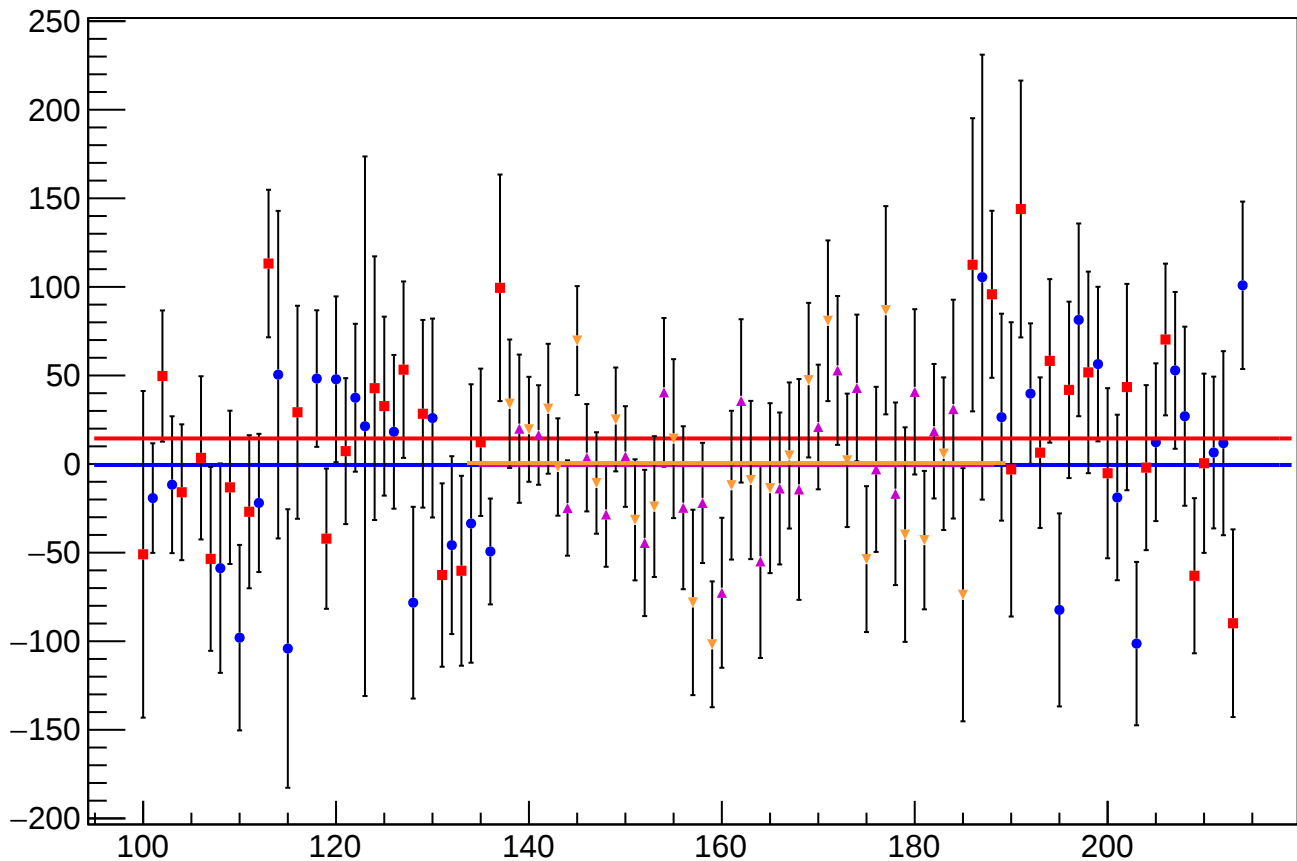
- sign -0.306 ± 0.906 χ^2/NDF : 125.1/56

diff_bpm11Y_rms vs Slug



Right In: 4554.507 ± 0.841 $\chi^2/\text{NDF}: 3465094.5/30$ + sign 5003.169 ± 0.648 $\chi^2/\text{NDF}: 8287408.2/55$
 Left Out: 5655.639 ± 1.014 $\chi^2/\text{NDF}: 4124124.3/24$ All: 4912.502 ± 0.456 $\chi^2/\text{NDF}: 17862670.5/1$
 Right Out: 4556.745 ± 0.847 $\chi^2/\text{NDF}: 3954338.6/33$ - sign 4823.684 ± 0.641 $\chi^2/\text{NDF}: 9536450.2/56$
 Left In: 5180.743 ± 0.980 $\chi^2/\text{NDF}: 5350053.6/22$

diff_bpm12X_mean vs Slug



Right In: -0.502 ± 8.509 χ^2/NDF : 36.5/30

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

Right Out: 14.464 ± 8.431 χ^2/NDF : 38.4/33

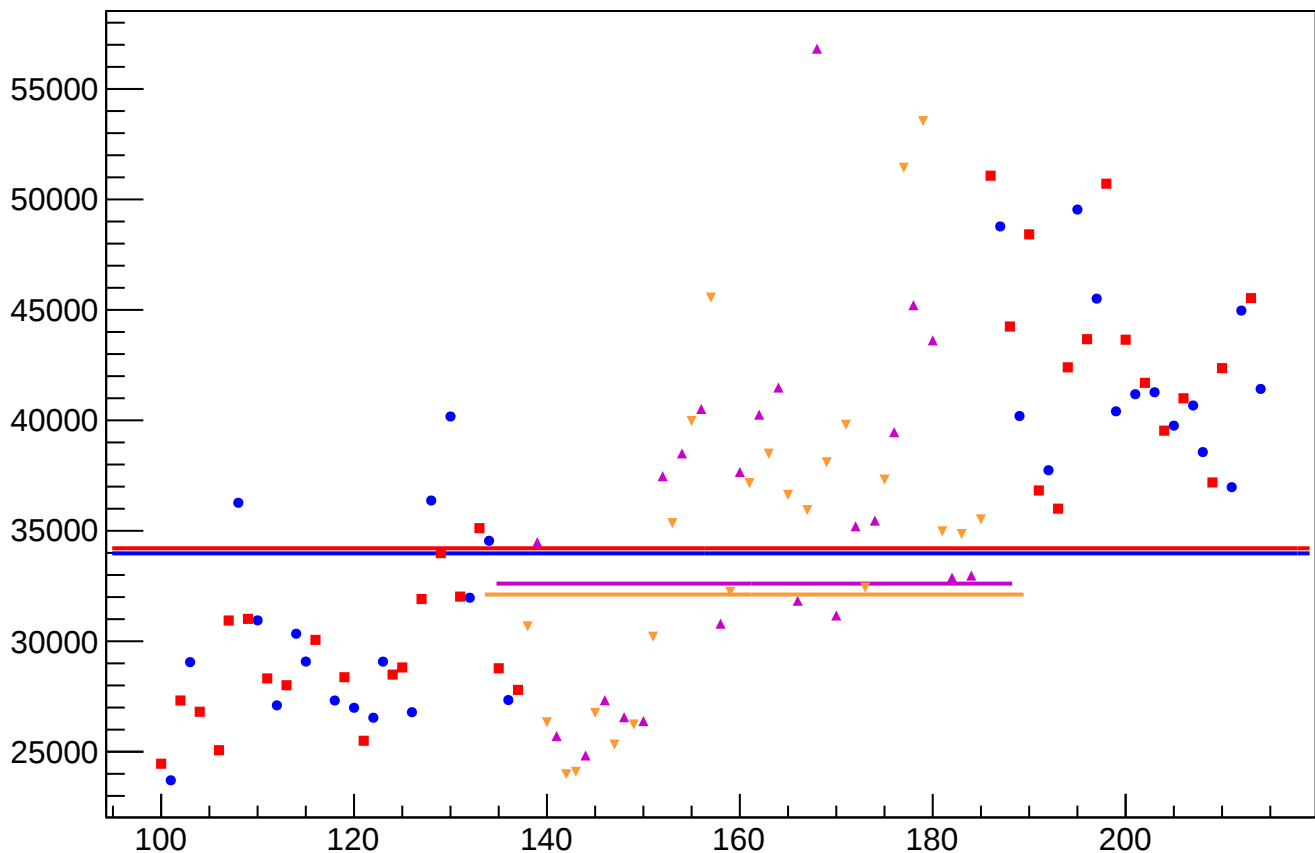
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign 0.093 ± 5.706 χ^2/NDF : 67.5/55

All: 3.273 ± 4.070 χ^2/NDF : 122.5/112

- sign 6.570 ± 5.809 χ^2/NDF : 54.3/56

diff_bpm12X_rms vs Slug



Right In: 33979.051 $\pm$ 6.017 χ^2 /NDF: 1398656.3/30

Left Out: 32117.184 $\pm$ 5.438 χ^2 /NDF:1536740.0/24

Right Out: 34209.146 $\pm$ 5.961 χ^2 /NDF: 1466660.8/33

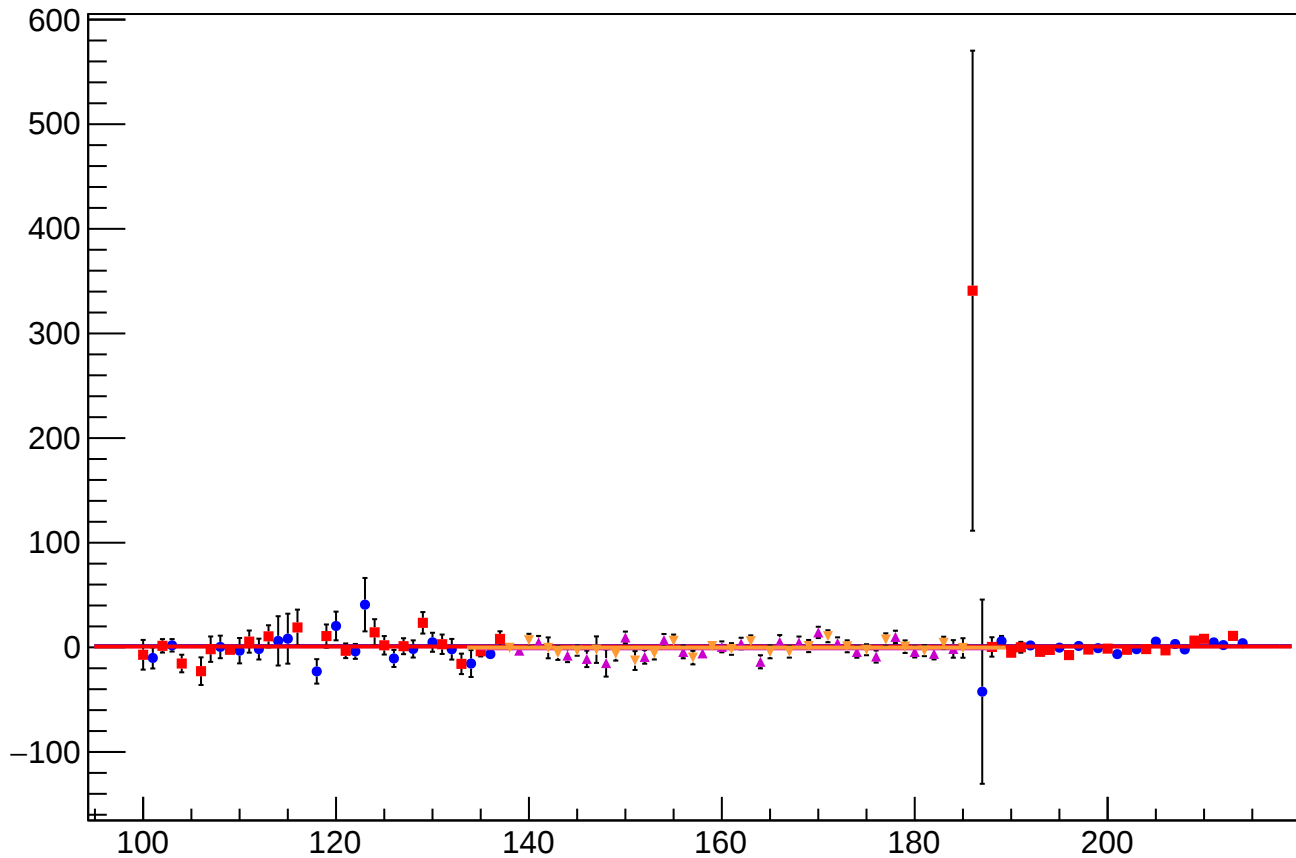
Left In: 32610.108 $\pm$ 5.667 χ^2 /NDF:1398475.8/22

+ sign 32954.277 $\pm$ 4.034 χ^2 /NDF: 2988099.3/55

All: 33158.013 $\pm$ 2.878 χ^2 /NDF: 5896222.8/100

- sign 33369.181 $\pm$ 4.107 χ^2 /NDF: 2902930.1/56

diff_bpm12Y_mean vs Slug



Right In: 1.144 ± 0.699 χ^2/NDF : 38.6/30

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

Right Out: 0.798 ± 0.745 χ^2/NDF : 73.3/33

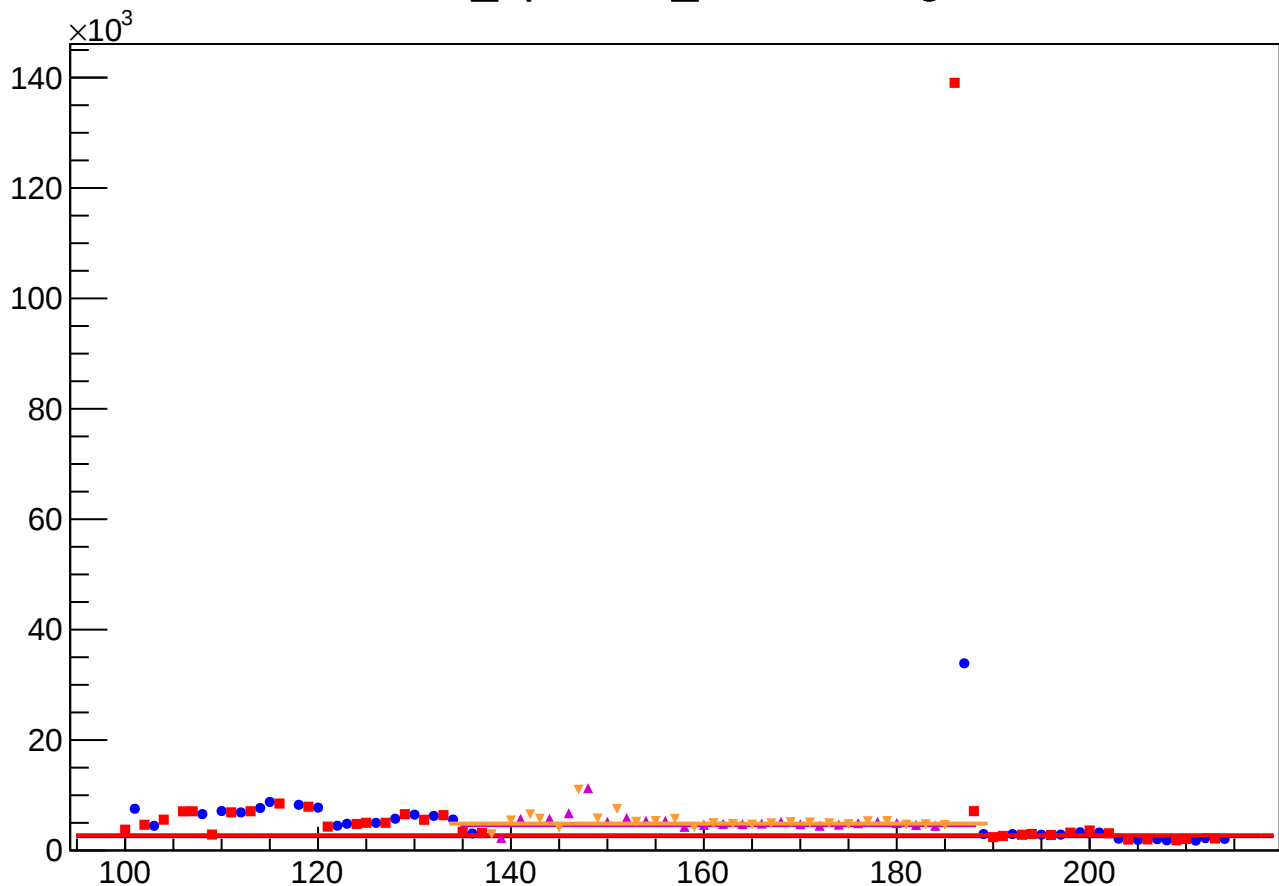
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign 0.777 ± 0.600 χ^2/NDF : 57.7/55

All: 0.544 ± 0.433 χ^2/NDF : 169.0/112

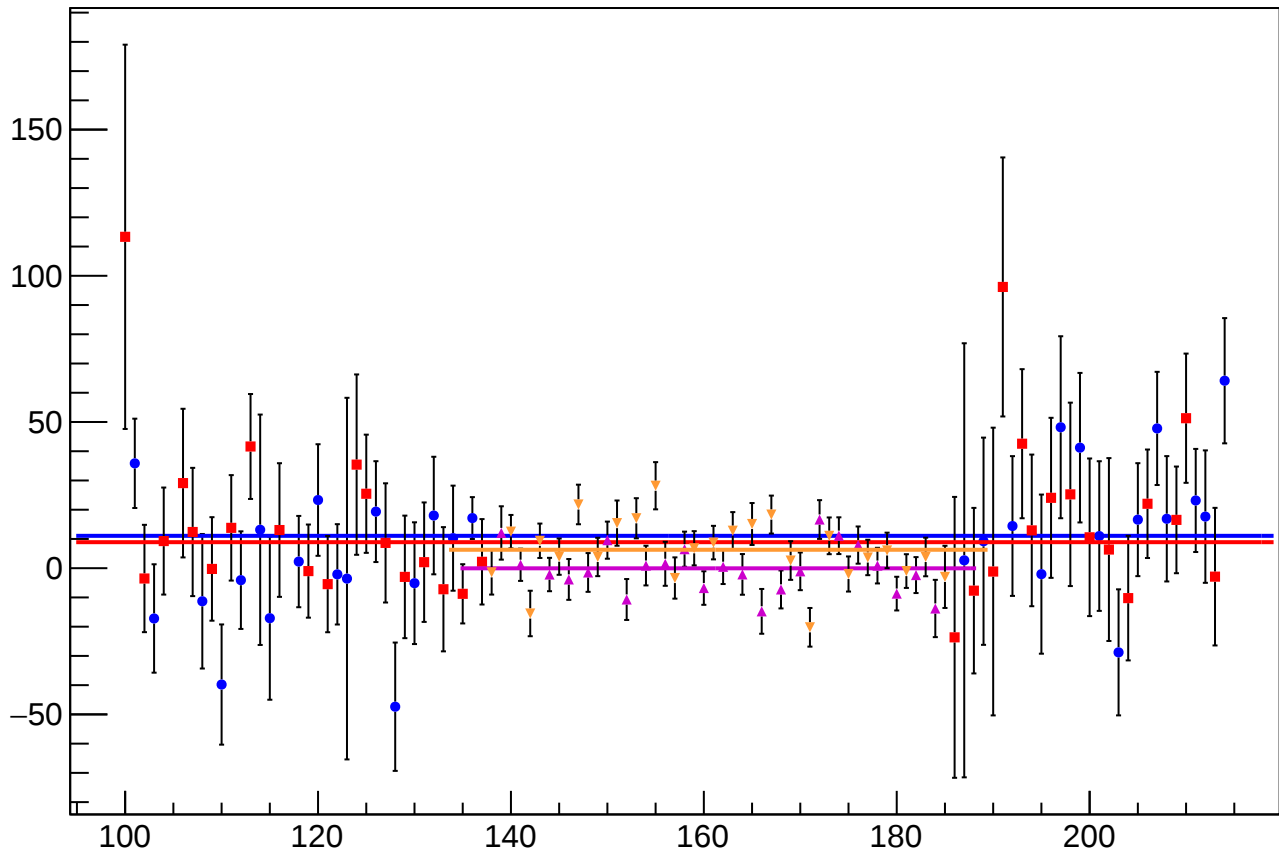
- sign 0.291 ± 0.626 χ^2/NDF : 110.9/56

diff_bpm12Y_rms vs Slug



Right In: 2583.775 ± 0.494 $\chi^2/\text{NDF}: 5497134.9/30$ $+ \text{sign } 3182.060 \pm 0.425$ $\chi^2/\text{NDF}: 12599095.8/55$
 Left Out: 4866.528 ± 0.829 $\chi^2/\text{NDF}: 1511486.2/24$ All: 3236.604 ± 0.306 $\chi^2/\text{NDF}: 24460030.9/1$
 Right Out: 2759.796 ± 0.527 $\chi^2/\text{NDF}: 5825333.9/33$ $- \text{sign } 3295.832 \pm 0.442$ $\chi^2/\text{NDF}: 11826511.1/56$
 Left In: 4582.193 ± 0.816 $\chi^2/\text{NDF}: 2478681.0/22$

diff_bpm16X_mean vs Slug



Right In: 11.070 ± 3.420 $\chi^2/\text{NDF}: 41.0/30$

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

Right Out: 8.896 ± 3.573 $\chi^2/\text{NDF}: 26.7/33$

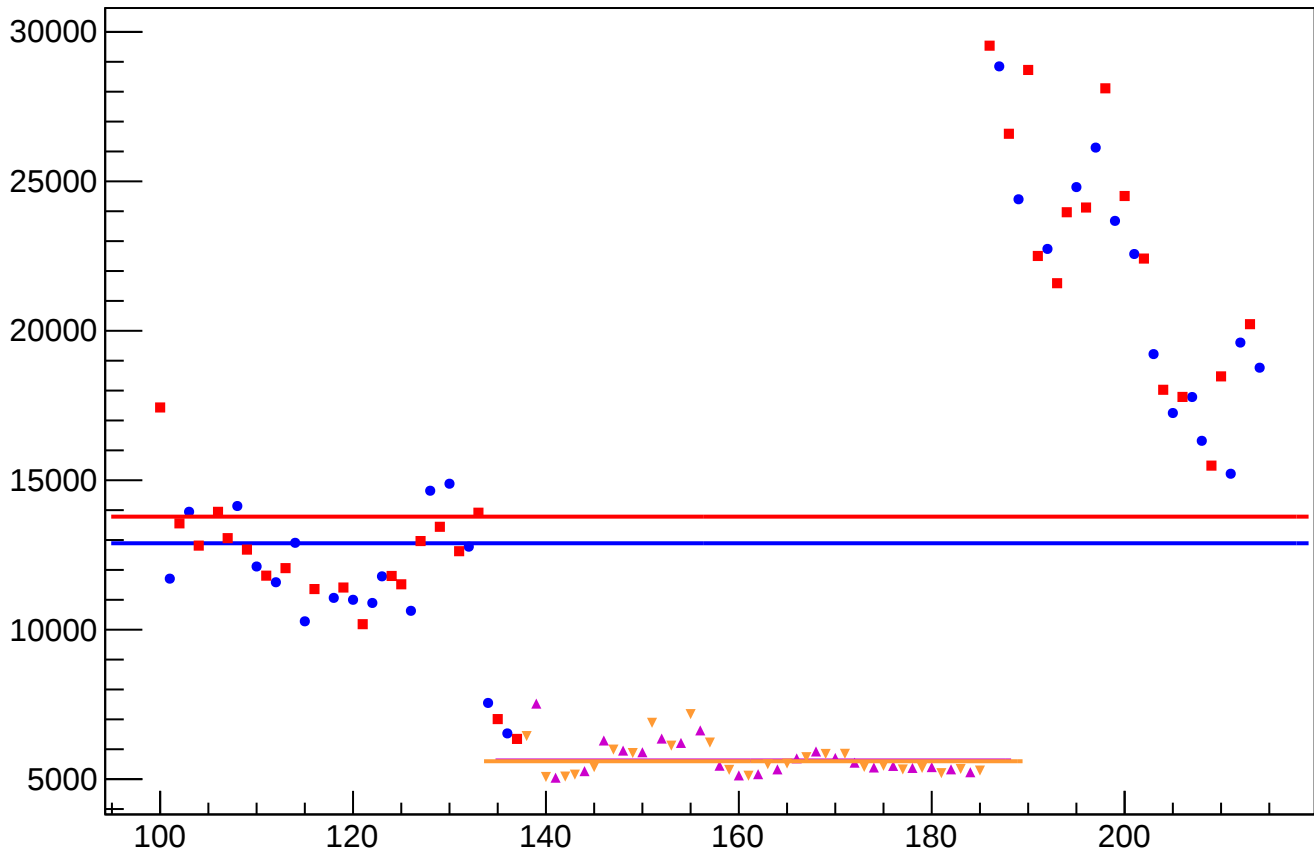
Left In: -0.044 ± 1.358 $\chi^2/\text{NDF}: 30.0/22$

+ sign 6.914 ± 1.225 $\chi^2/\text{NDF}: 99.4/55$

All: 4.101 ± 0.882 $\chi^2/\text{NDF}: 172.4/112$

- sign 1.084 ± 1.269 $\chi^2/\text{NDF}: 62.2/56$

diff_bpm16X_rms vs Slug



Right In: 12891.694+/-2.418 χ^2/NDF : 4797814.8/30

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

+ sign 6535.104+/-0.866 χ^2/NDF : 13008271.1/55

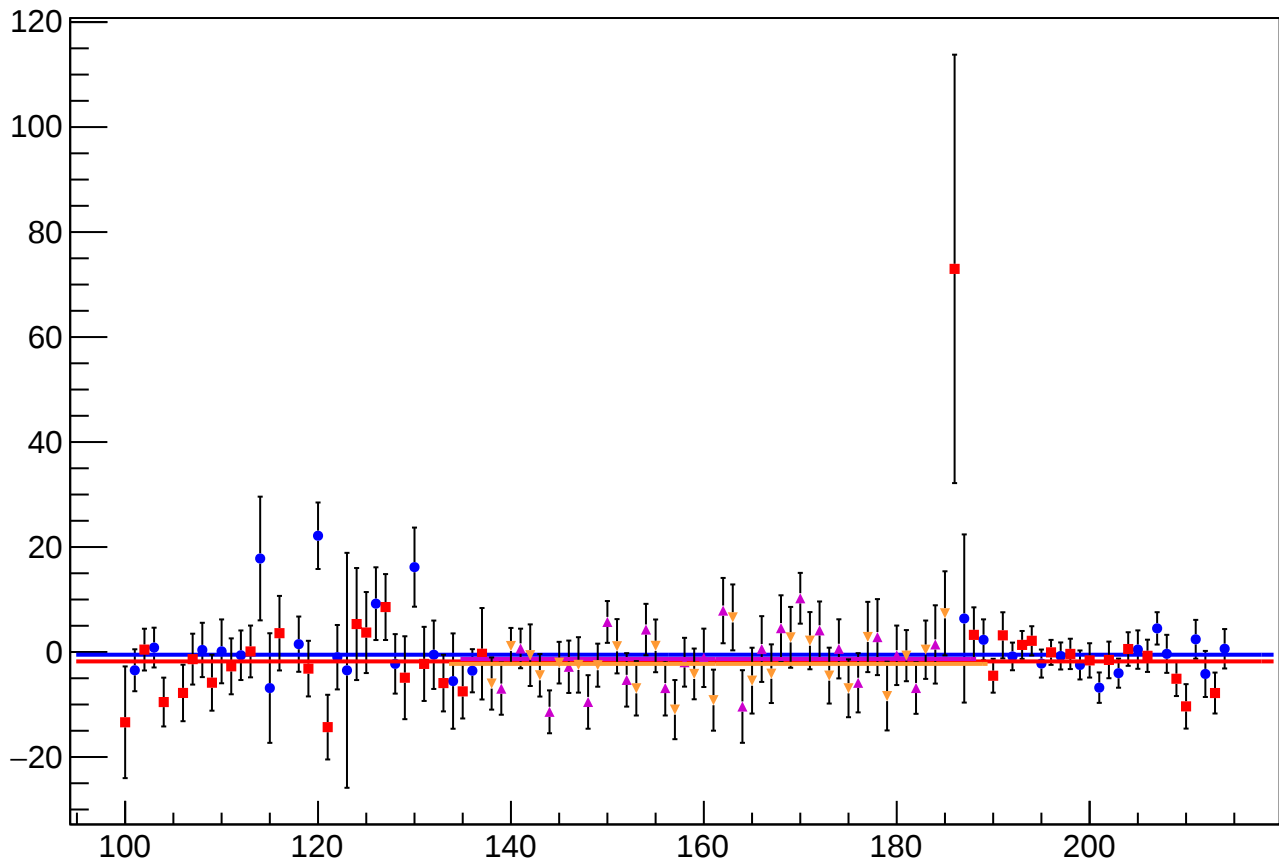
Right Out: 13782.439+/-2.527 χ^2/NDF : 4669279.9/33

All: 6592.599+/-0.623 χ^2/NDF : 27066994.0/100

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

- sign 6654.278+/-0.897 χ^2/NDF : 14049596.7/56

diff_bpm16Y_mean vs Slug



Right In: -0.514 ± 0.735 χ^2/NDF : 36.4/30

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

Right Out: -1.788 ± 0.724 χ^2/NDF : 35.3/33

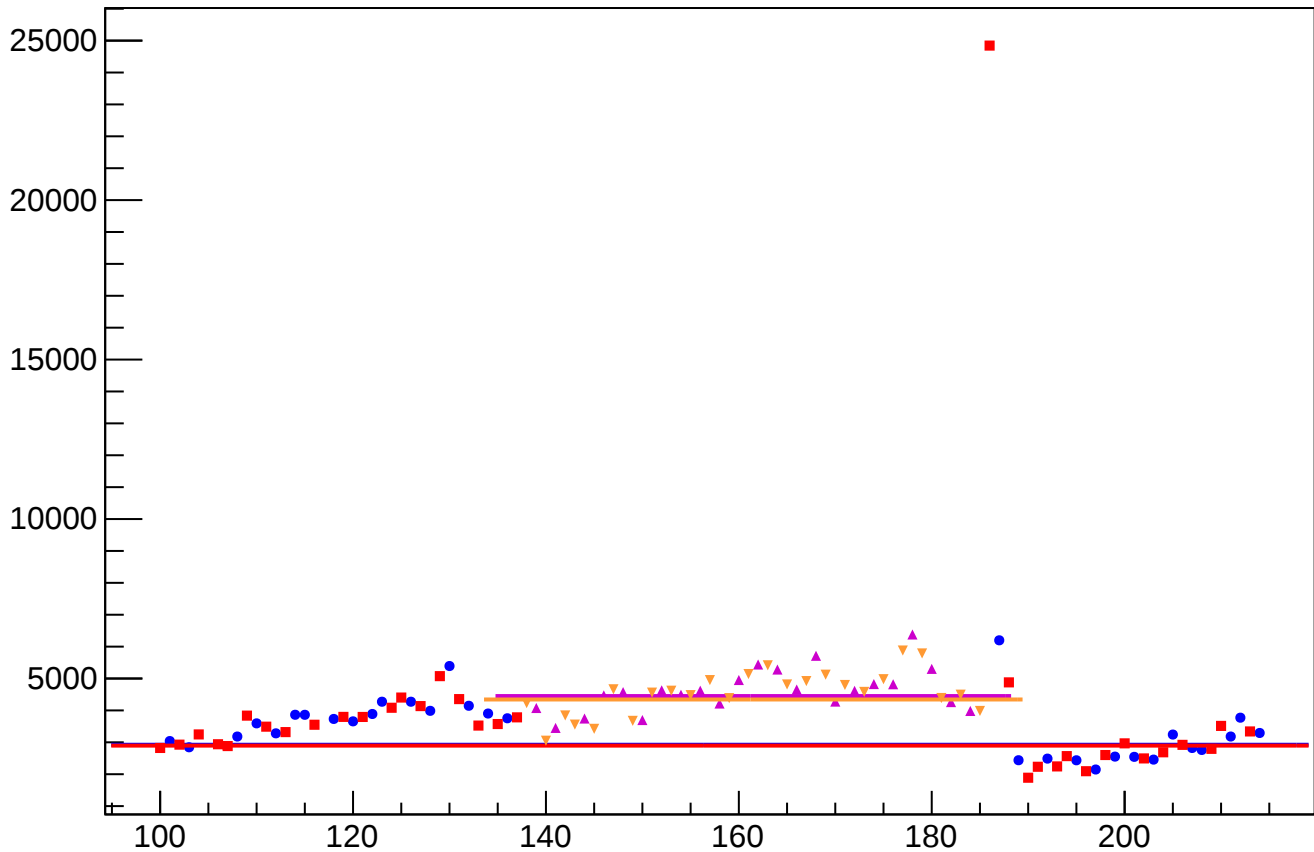
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.104 ± 0.599 χ^2/NDF : 53.8/55

All: -1.374 ± 0.424 χ^2/NDF : 120.3/112

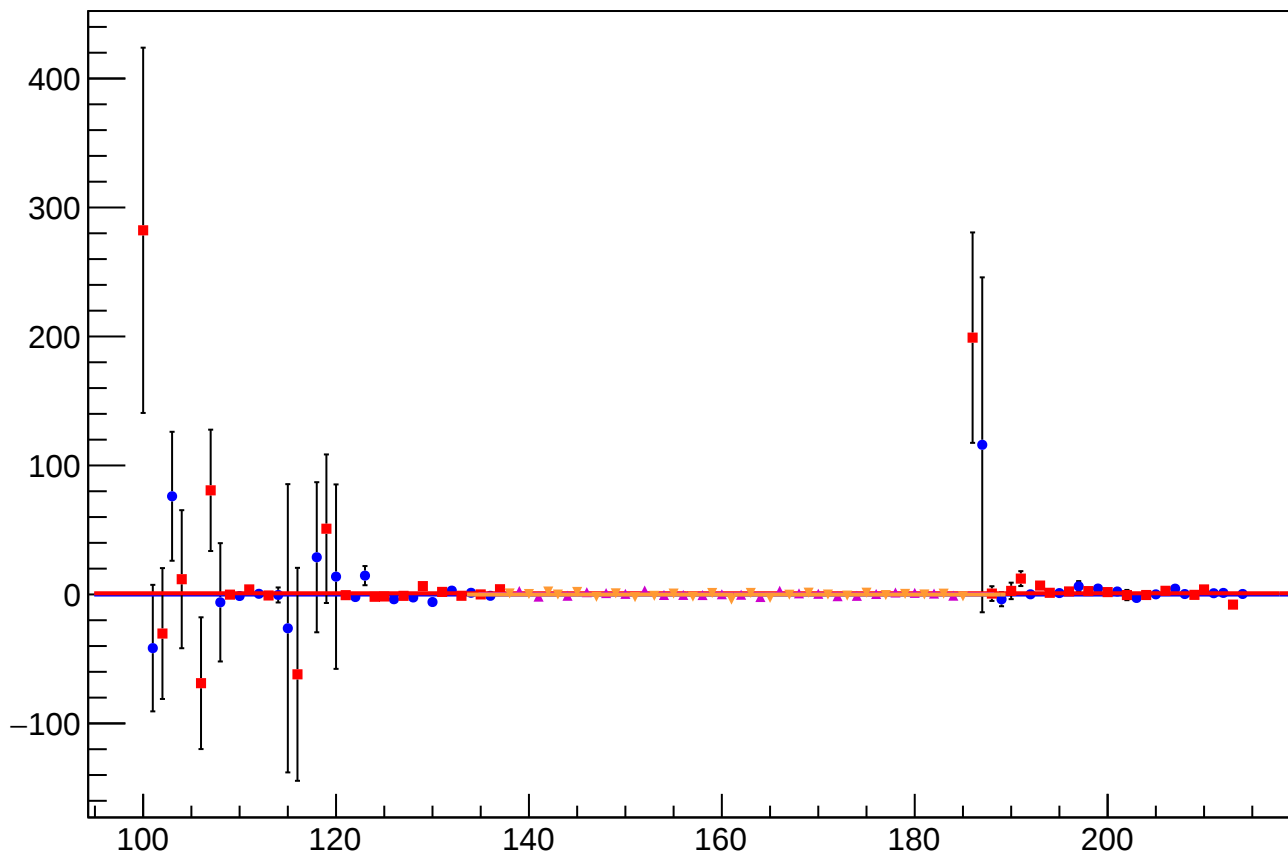
- sign -1.646 ± 0.602 χ^2/NDF : 66.1/56

diff_bpm16Y_rms vs Slug



Right In: 2923.194+/-0.520 χ^2/NDF : 1408517.9/30 + sign 3402.348+/-0.423 χ^2/NDF : 4916980.4/55
Left Out: 4342.635+/-0.728 χ^2/NDF : 993035.5/24 All: 3389.846+/-0.300 χ^2/NDF : 10796976.2/1
Right Out: 2896.641+/-0.512 χ^2/NDF : 2338181.1/33 - sign 3377.205+/-0.426 χ^2/NDF : 5878240.8/56
Left In: 4450.007+/-0.765 χ^2/NDF : 693229.8/22

diff_bpm1p02bX_mean vs Slug



Right In: -0.089 ± 0.538 χ^2/NDF : 32.2/30

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

Right Out: 0.915 ± 0.543 χ^2/NDF : 47.6/33

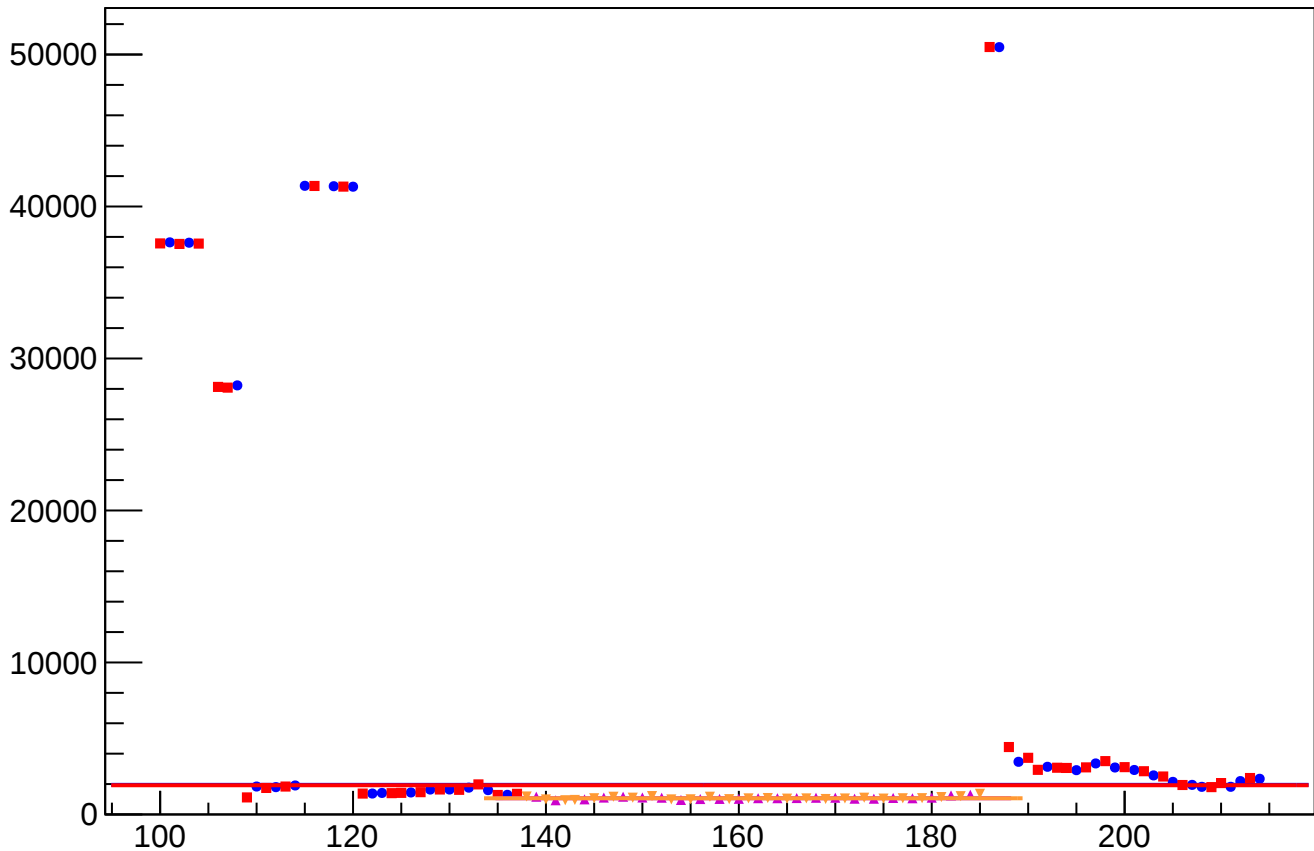
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.091 ± 0.226 χ^2/NDF : 66.6/55

All: 0.138 ± 0.162 χ^2/NDF : 144.7/112

- sign 0.379 ± 0.232 χ^2/NDF : 76.0/56

diff_bpm1p02bX_rms vs Slug



Right In: 1947.407 ± 0.381 $\chi^2/\text{NDF}: 6998519.4/30$

Left Out: 1064.701 ± 0.176 $\chi^2/\text{NDF}: 186511.5/24$

Right Out: 1921.853 ± 0.384 $\chi^2/\text{NDF}: 8414511.1/33$

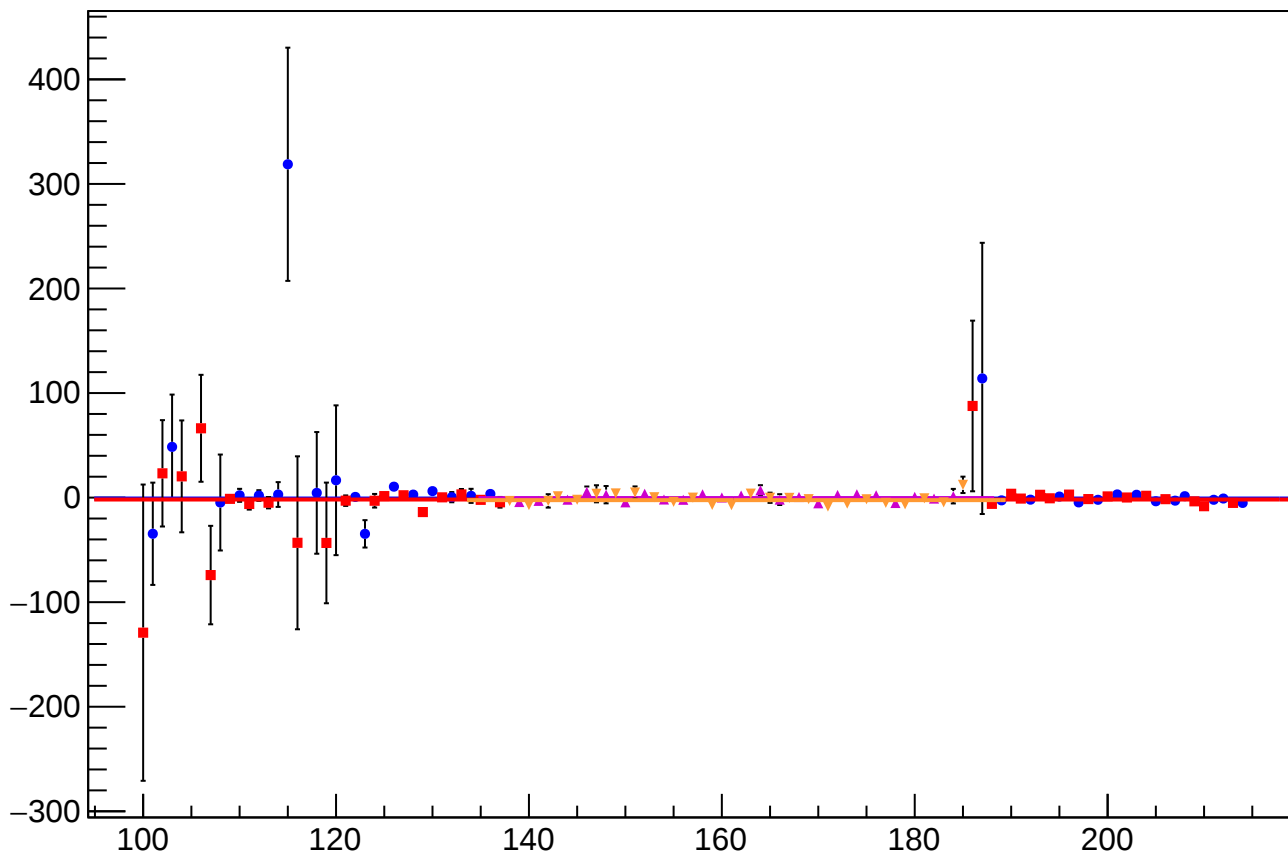
Left In: 1066.255 ± 0.182 $\chi^2/\text{NDF}: 164232.1/22$

+ sign 1220.369 ± 0.160 $\chi^2/\text{NDF}: 11615954.2/55$

All: 1221.545 ± 0.115 $\chi^2/\text{NDF}: 24251333.4/100$

- sign 1222.786 ± 0.164 $\chi^2/\text{NDF}: 12635267.9/56$

diff_bpm1p02bY_mean vs Slug



Right In: -0.872 ± 0.469 χ^2/NDF : 58.0/30

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

Right Out: -1.827 ± 0.500 χ^2/NDF : 57.4/33

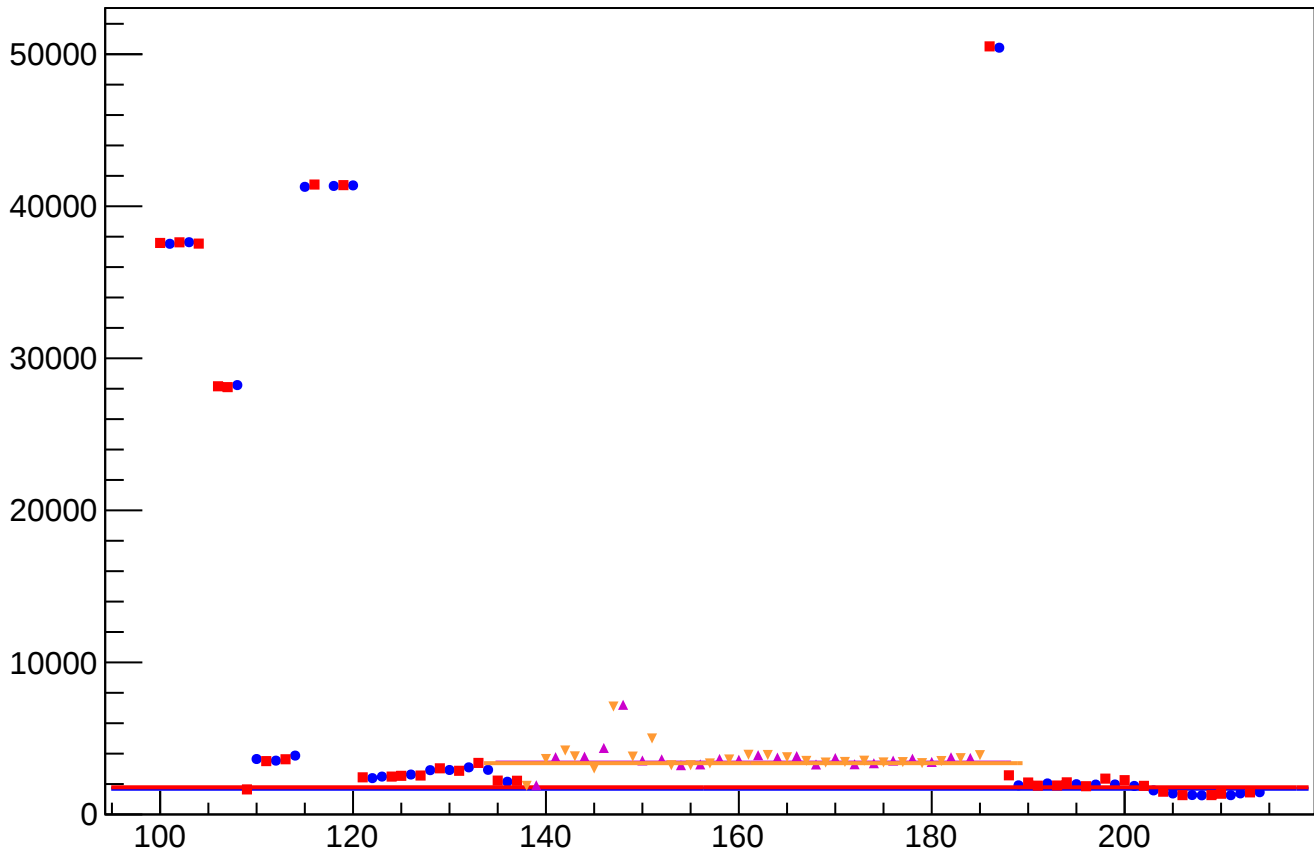
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -1.261 ± 0.406 χ^2/NDF : 82.0/55

All: -1.361 ± 0.295 χ^2/NDF : 156.9/112

- sign -1.474 ± 0.430 χ^2/NDF : 74.8/56

diff_bpm1p02bY_rms vs Slug



Right In: 1690.385 $\pm$ 0.332 χ^2 /NDF: 7076948.9/30

Left Out: 3372.958 $\pm$ 0.573 χ^2 /NDF:1656864.7/24

Right Out: 1787.180 $\pm$ 0.353 χ^2 /NDF: 7540053.6/33

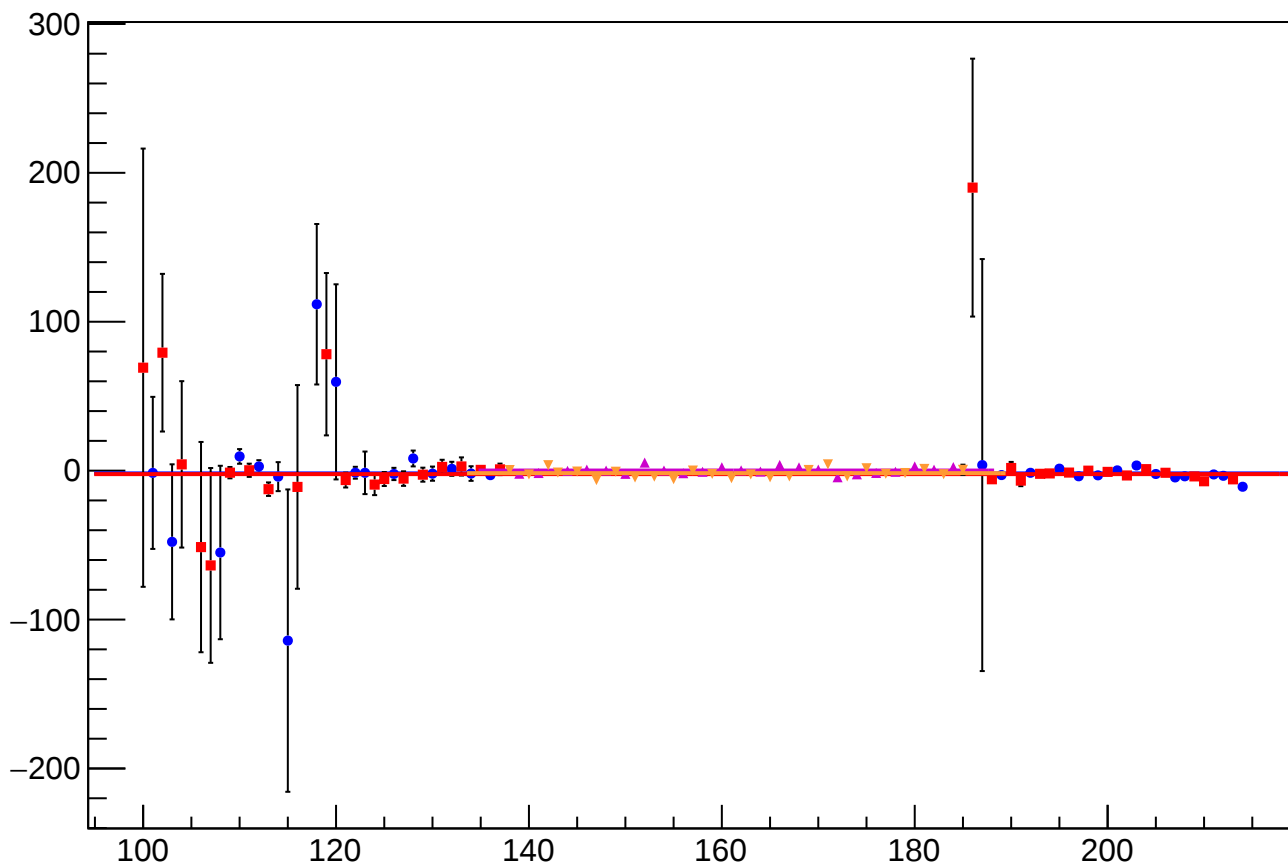
Left In: 3411.924 $\pm$ 0.596 χ^2 /NDF:1434523.7/22

+ sign 2112.528 $\pm$ 0.287 χ^2 /NDF: 15189918.8/55

All: 2158.333 $\pm$ 0.209 χ^2 /NDF: 29717794.5/100

- sign 2209.667 $\pm$ 0.304 χ^2 /NDF: 14473886.5/56

diff_bpm1p03aX_mean vs Slug



Right In: -1.865 ± 0.585 χ^2/NDF : 39.4/30

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

Right Out: -2.328 ± 0.598 χ^2/NDF : 34.9/33

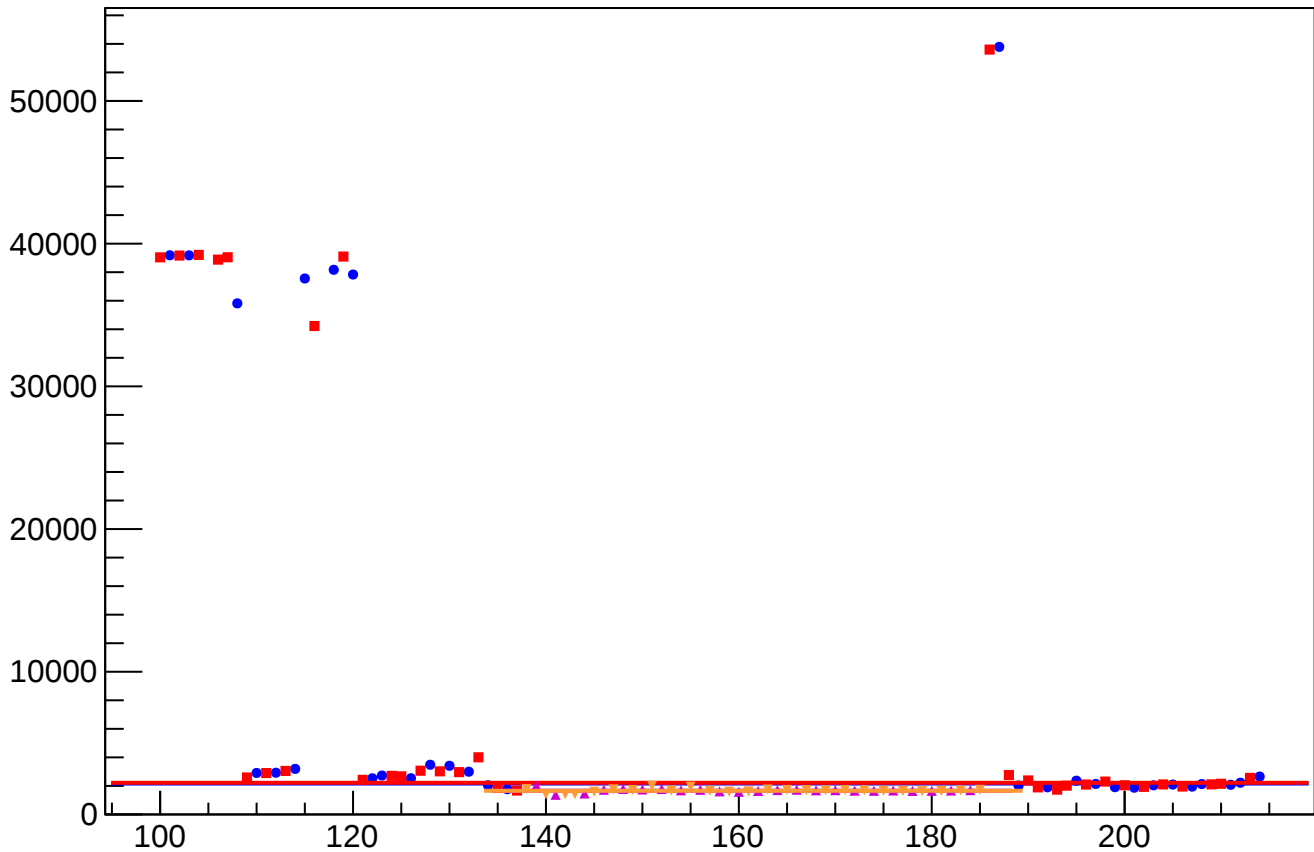
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.731 ± 0.323 χ^2/NDF : 85.1/55

All: -1.218 ± 0.232 χ^2/NDF : 164.5/112

- sign -0.672 ± 0.333 χ^2/NDF : 74.2/56

diff_bpm1p03aX_rms vs Slug



Right In: 2167.179+/-0.413 χ^2/NDF : 5515706.1/30

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

Right Out: 2218.675+/-0.423 χ^2/NDF : 6094244.7/33

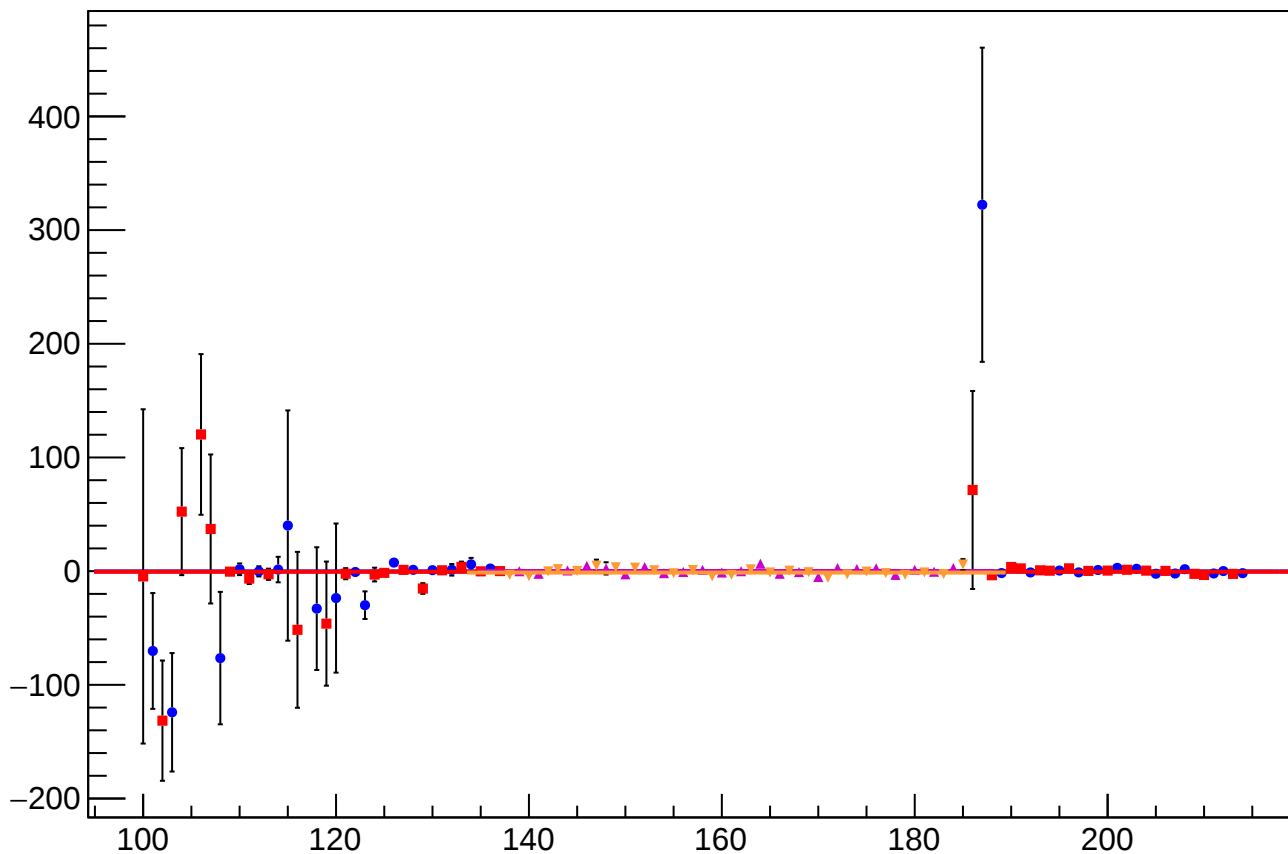
Left In: 1663.620+/-0.284 χ^2/NDF : 178858.2/22

+ sign 1813.605+/-0.229 χ^2/NDF : 6793386.5/55

All: 1824.299+/-0.164 χ^2/NDF : 14258367.2/100

- sign 1835.655+/-0.236 χ^2/NDF : 7460468.7/56

diff_bpm1p03aY_mean vs Slug



Right In: -0.222 ± 0.405 χ^2/NDF : 45.0/30

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

Right Out: -0.517 ± 0.425 χ^2/NDF : 43.0/33

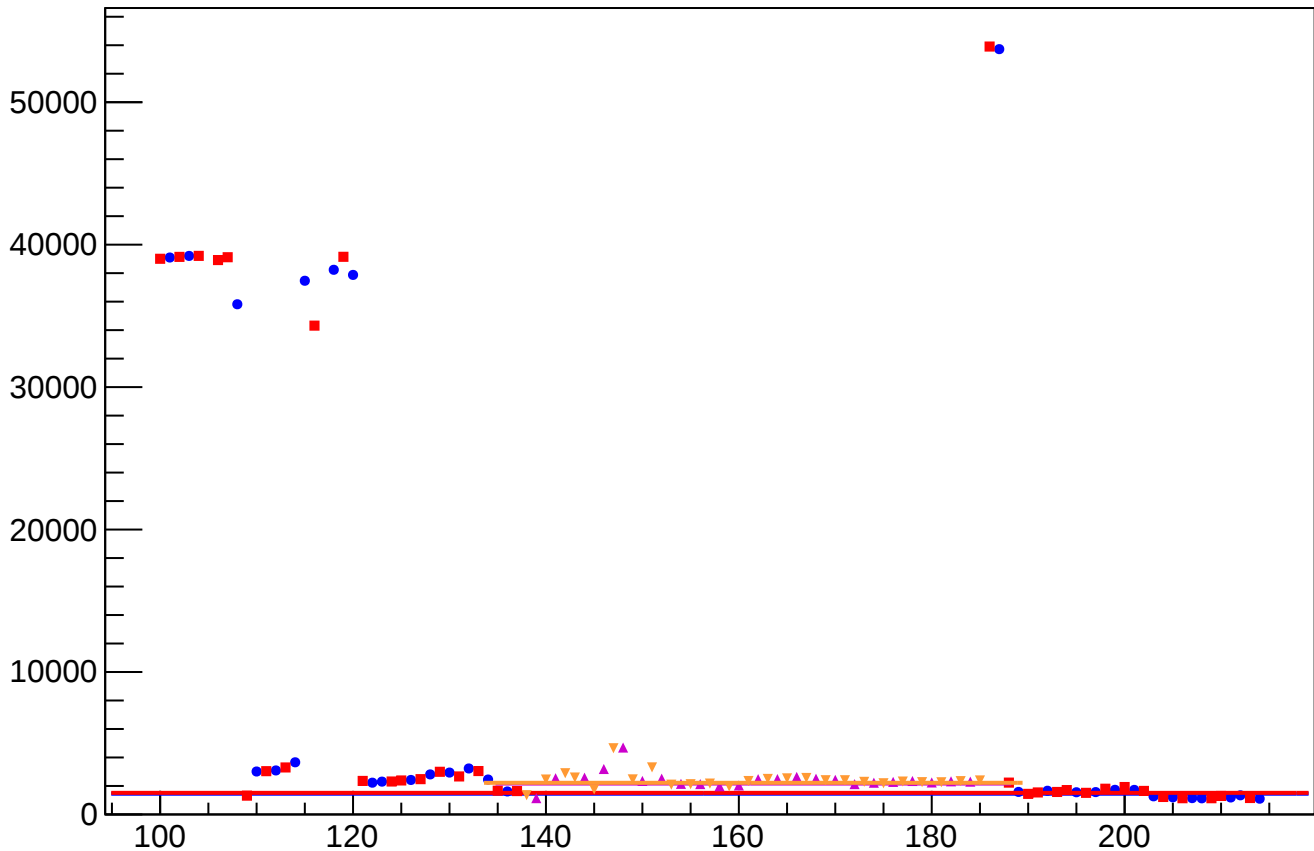
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.597 ± 0.323 χ^2/NDF : 69.1/55

All: -0.445 ± 0.232 χ^2/NDF : 132.6/112

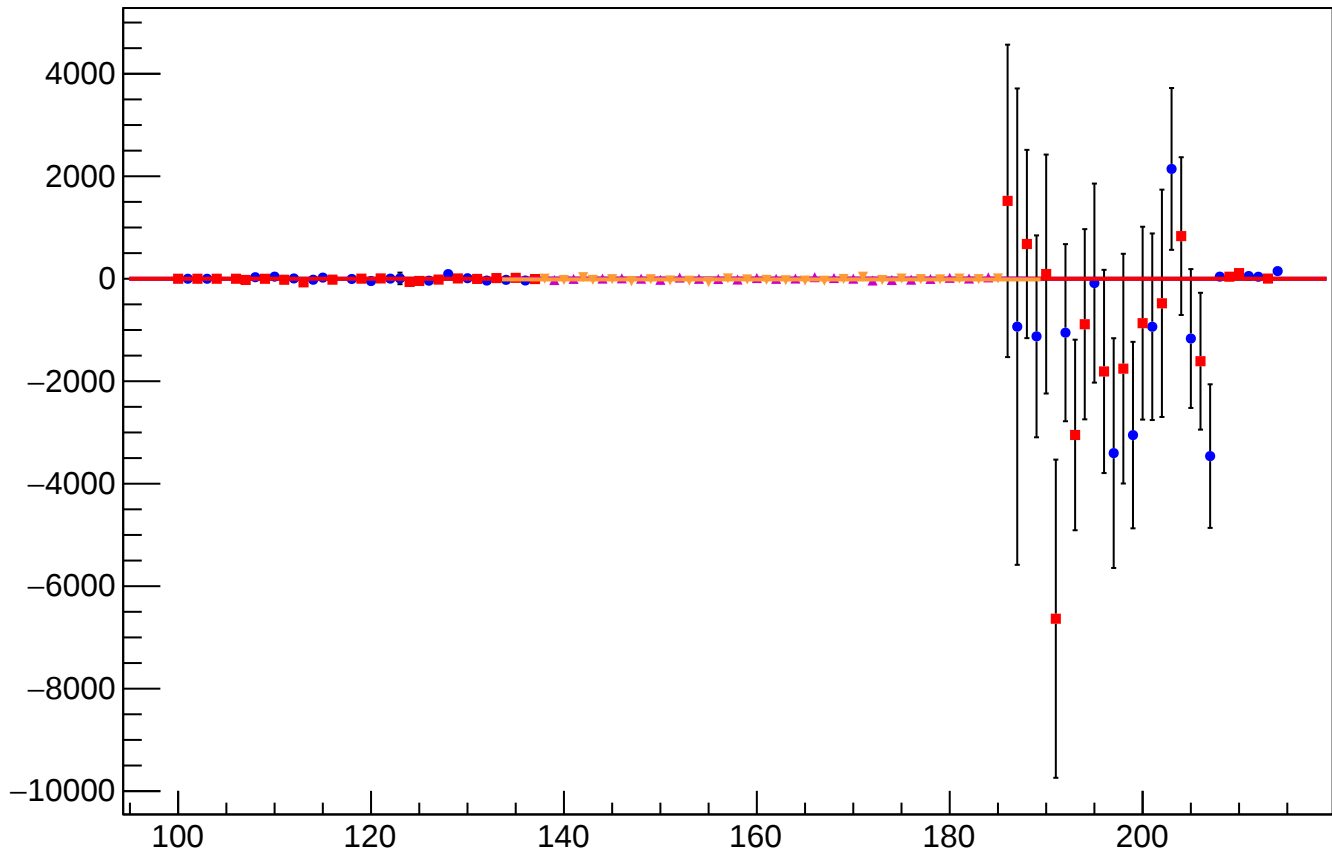
- sign -0.283 ± 0.334 χ^2/NDF : 63.0/56

diff_bpm1p03aY_rms vs Slug



Right In: 1455.736 $\pm$ 0.286	χ^2 /NDF: 7171148.9/30	+ sign 1734.651 $\pm$ 0.228	χ^2 /NDF: 11203300.7/55
Left Out: 2222.081 $\pm$ 0.378	χ^2 /NDF: 1422440.9/24	All: 1749.589 $\pm$ 0.164	χ^2 /NDF: 22624950.6/100
Right Out: 1516.763 $\pm$ 0.300	χ^2 /NDF: 7638216.3/33	- sign 1765.600 $\pm$ 0.236	χ^2 /NDF: 11412775.8/56
Left In: 2169.443 $\pm$ 0.383	χ^2 /NDF: 1974869.8/22		

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 43.8/30

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

Right Out: 0.003+/-0.016 χ^2/NDF : 33.2/33

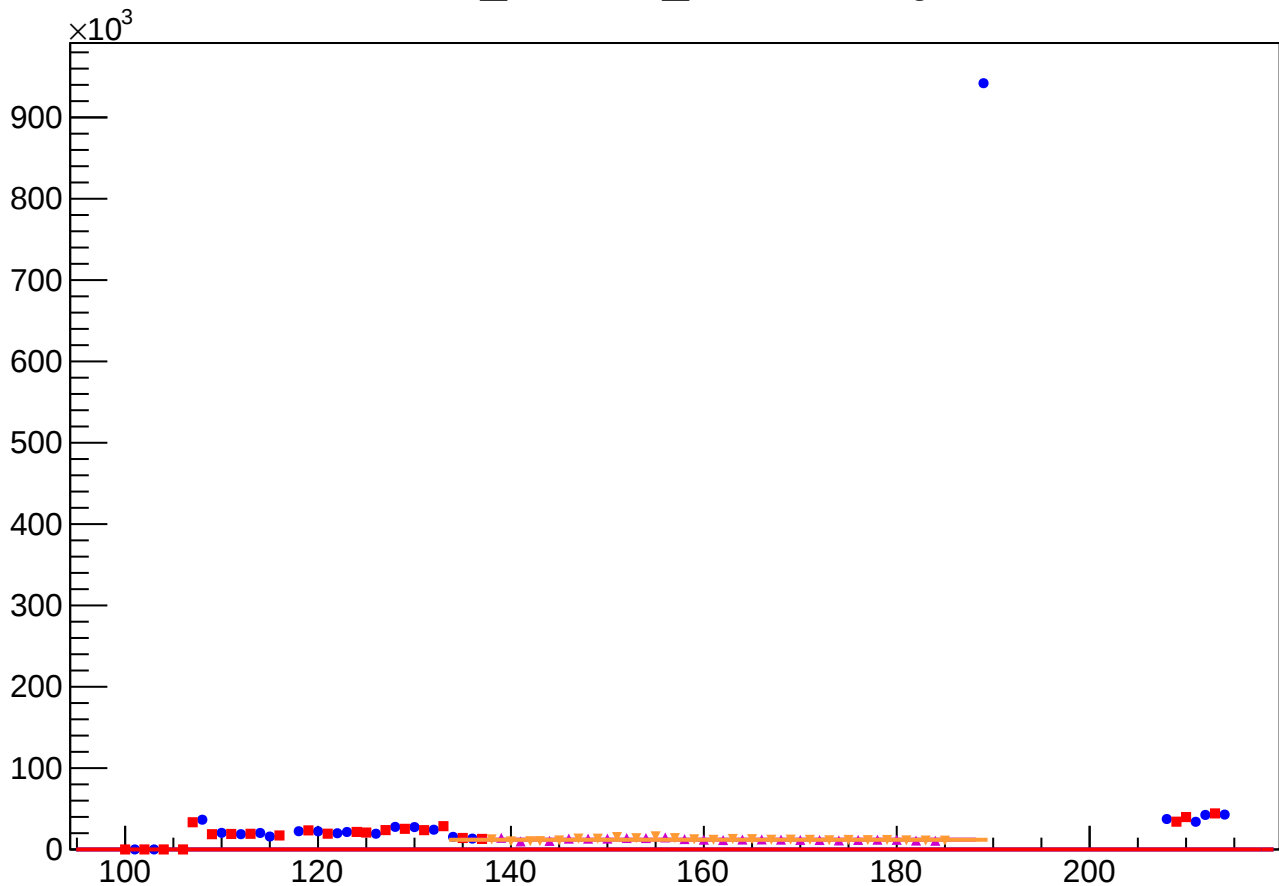
Left In: -0.459+/-2.917 χ^2/NDF : 29.0/22

+ sign 0.013+/-0.017 χ^2/NDF : 125.7/55

All: 0.008+/-0.012 χ^2/NDF : 188.1/112

- sign 0.003+/-0.016 χ^2/NDF : 62.2/56

diff_cav4bX_rms vs Slug



Right In: 18.663 $\pm$ 0.012 χ^2 /NDF: 16803711.1/21

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

Right Out: 18.325 $\pm$ 0.011 χ^2 /NDF: 15377929.3/21

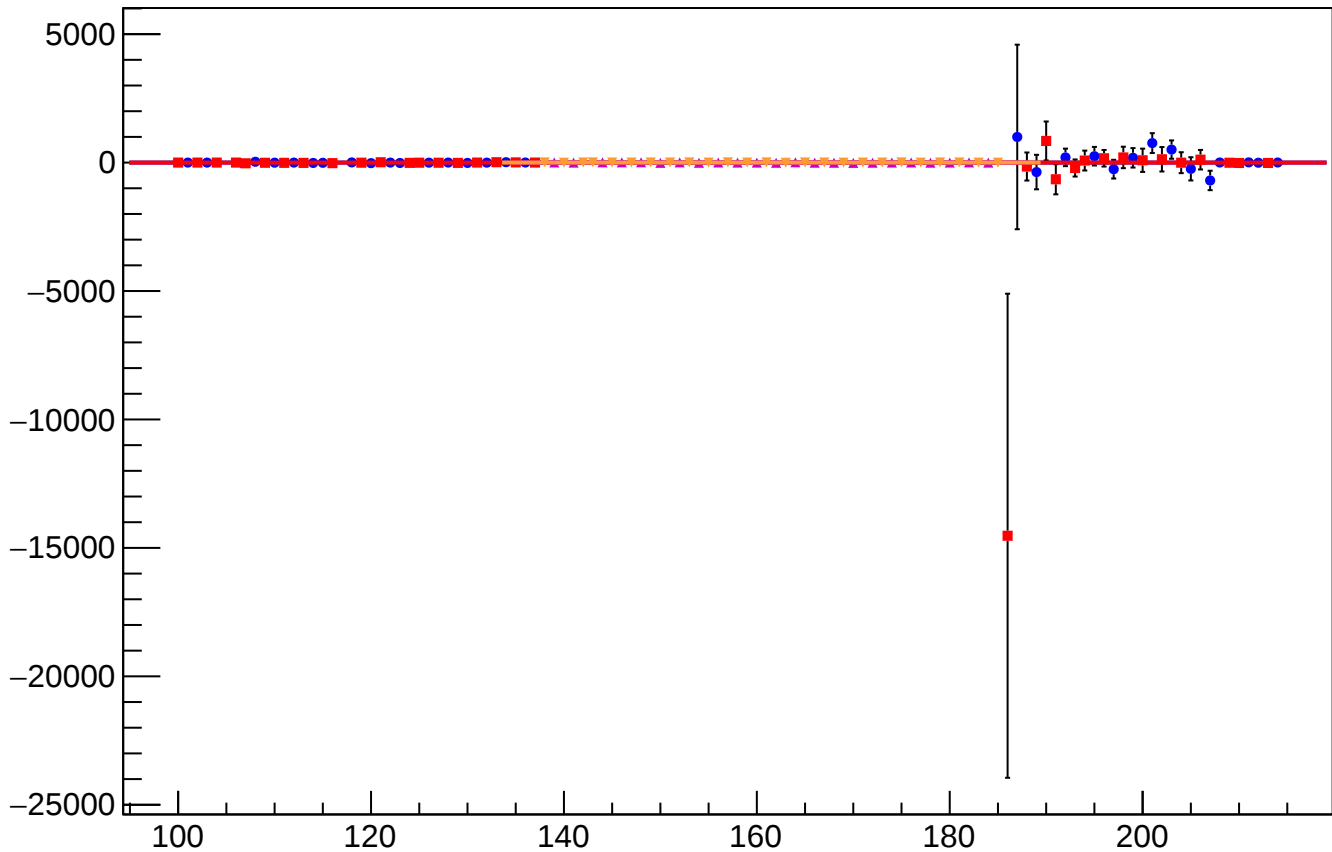
Left In: 12064.761 $\pm$ 2.062 χ^2 /NDF: 368452.5/22

+ sign 19.119 $\pm$ 0.012 χ^2 /NDF: 53343227.7/46

All: 18.889 $\pm$ 0.008 χ^2 /NDF: 103206088.0/91

- sign 18.691 $\pm$ 0.011 χ^2 /NDF: 49862205.8/44

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 26.7/30

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 33.2/33

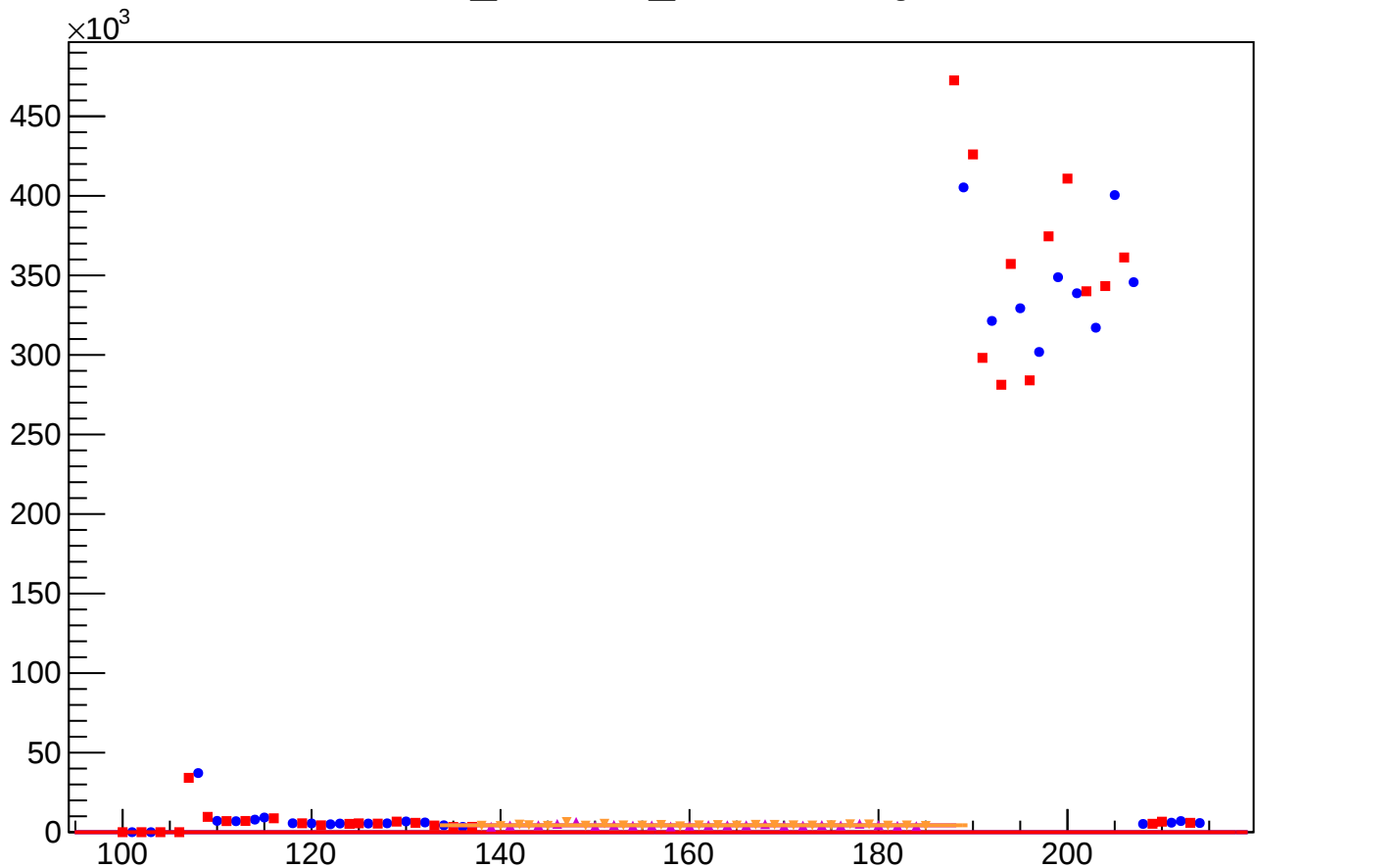
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 47.6/55

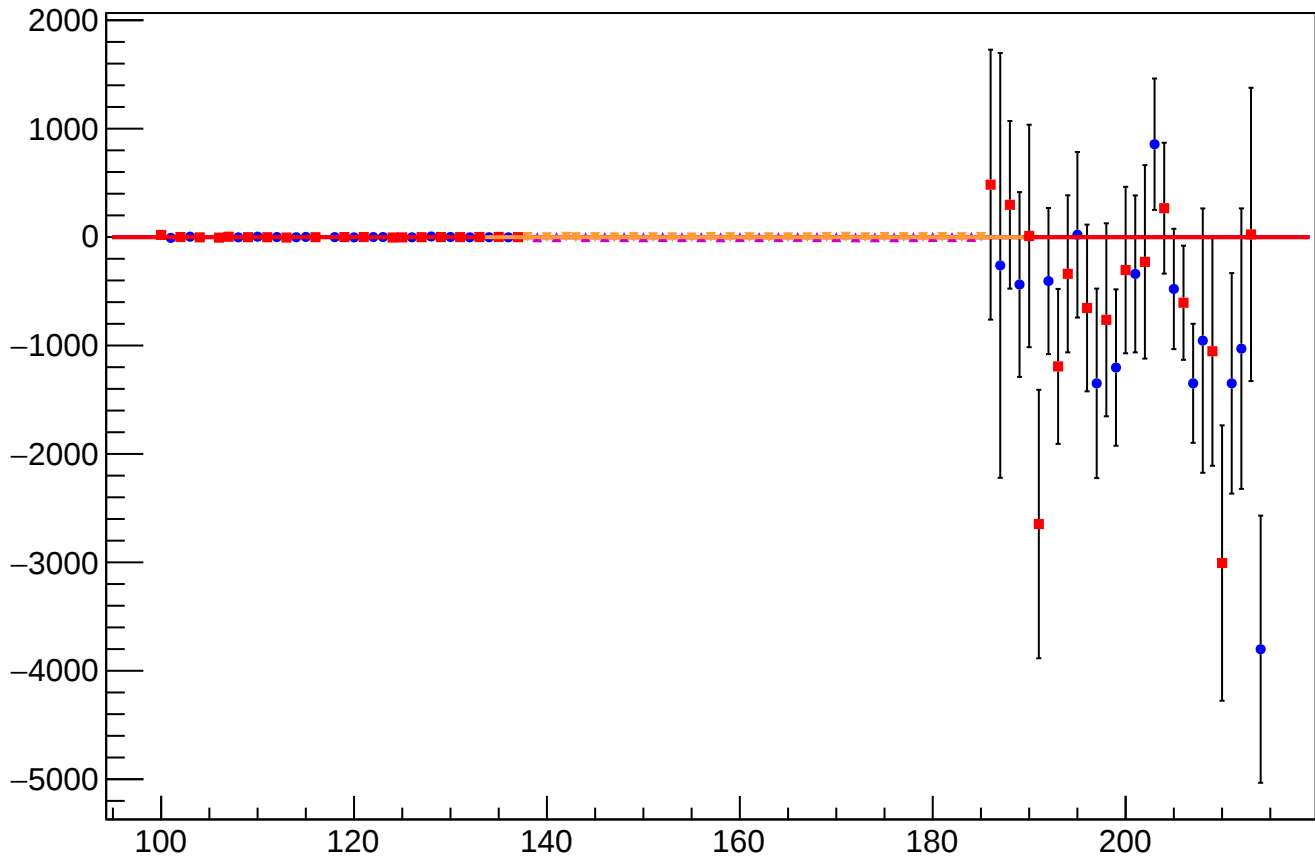
All: 0.008 $\pm$ 0.006 χ^2 /NDF: 118.3/112

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 69.6/56

diff_cav4bY_rms vs Slug



diff_cav4cX_mean vs Slug



Right In: -0.717 ± 0.483 χ^2/NDF : 50.0/30

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

Right Out: -0.641 ± 0.501 χ^2/NDF : 30.7/33

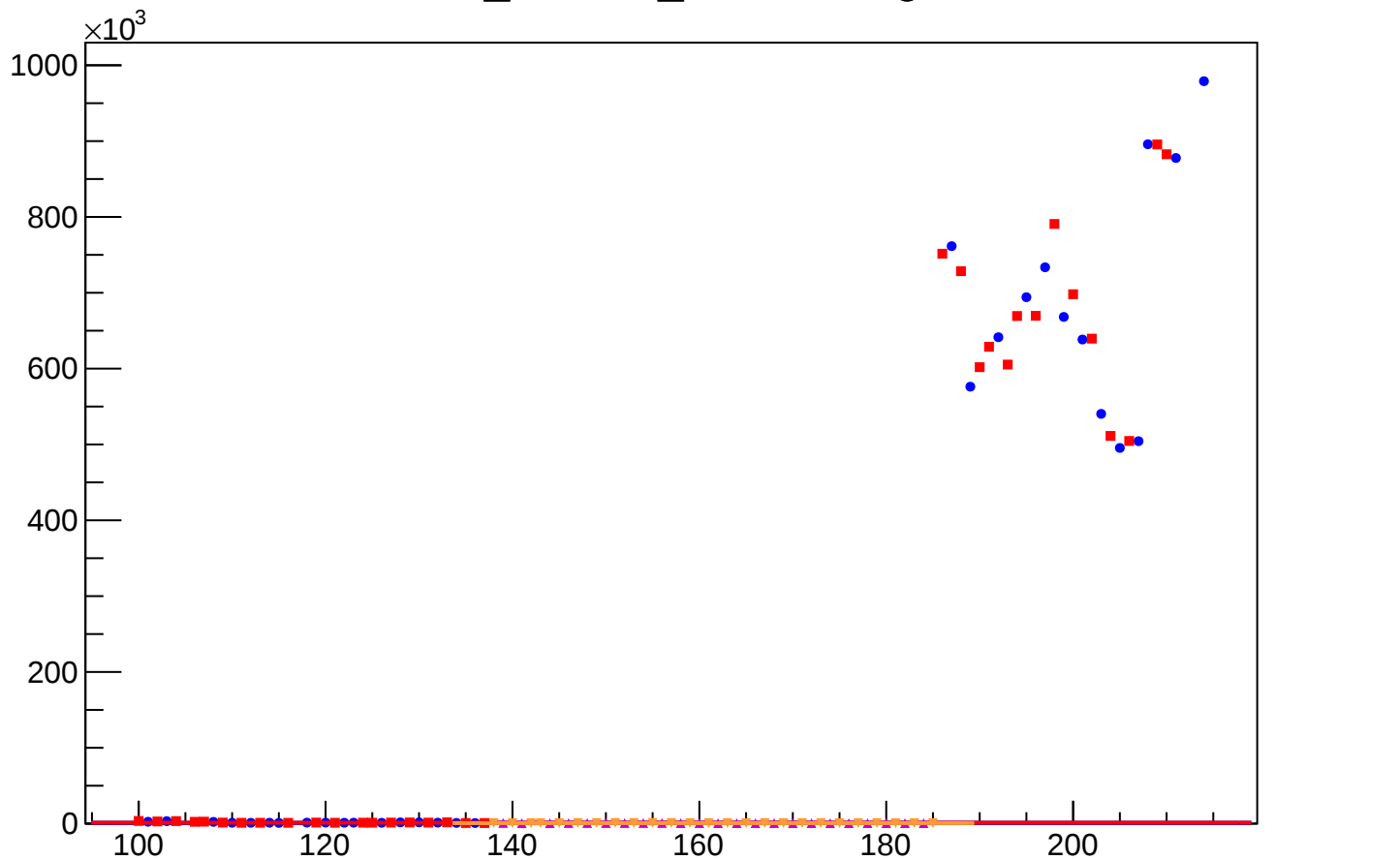
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 108.6/55

All: -0.439 ± 0.112 χ^2/NDF : 179.4/112

- sign -0.083 ± 0.162 χ^2/NDF : 61.5/56

diff_cav4cX_rms vs Slug



Right In: 1170.222 $\pm$ 0.342 χ^2/NDF : 18435109.0/29

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

Right Out: 1251.257 $\pm$ 0.355 χ^2/NDF : 18985888.9/32

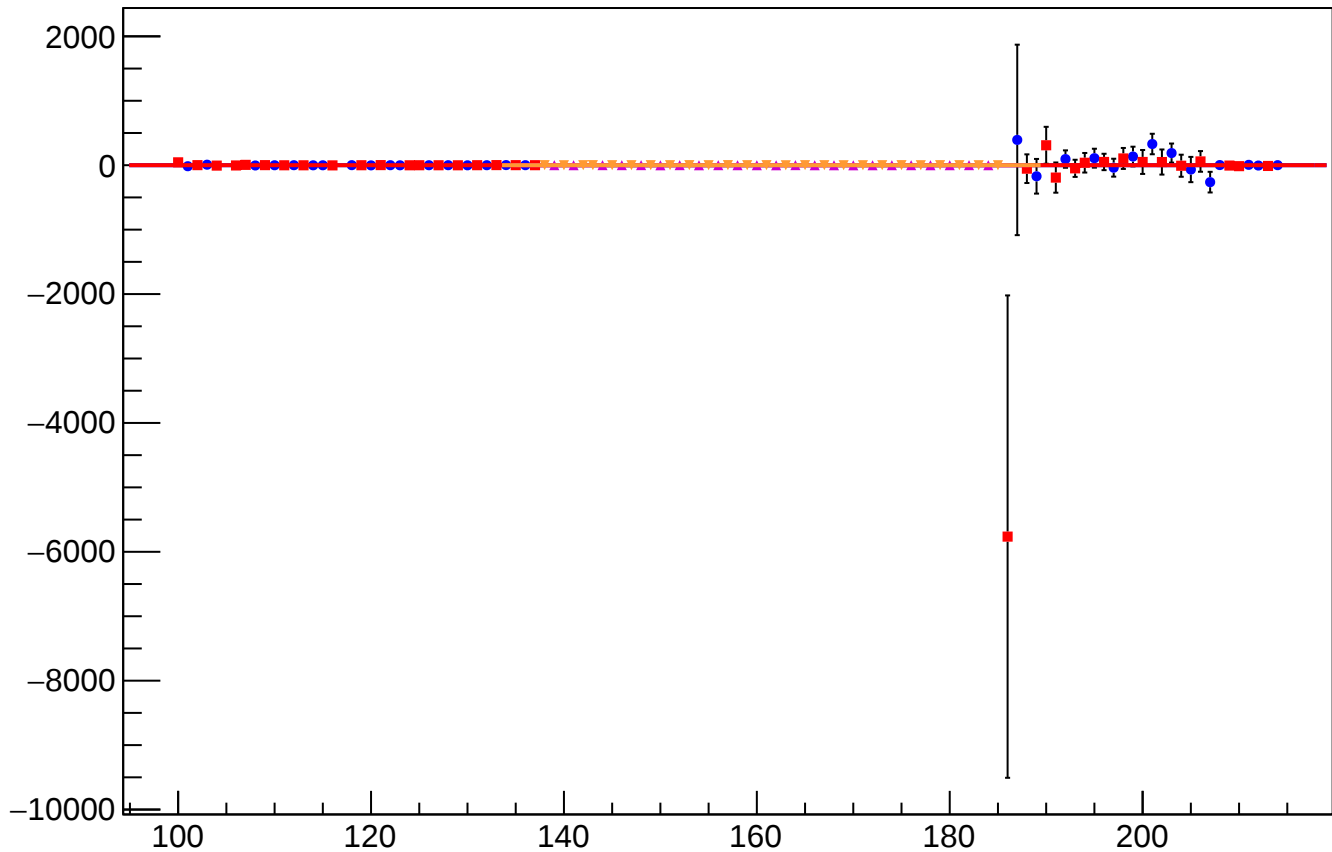
Left In: 706.971 $\pm$ 0.121 χ^2/NDF : 332011.4/22

+ sign 749.774 $\pm$ 0.110 χ^2/NDF : 20518493.9/54

All: 756.400 $\pm$ 0.079 χ^2/NDF : 41955103.1/11

- sign 763.535 $\pm$ 0.114 χ^2/NDF : 21429095.7/55

diff_cav4cY_mean vs Slug



Right In: -0.046 ± 0.268 χ^2/NDF : 32.1/30

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

Right Out: 0.214 ± 0.264 χ^2/NDF : 37.1/33

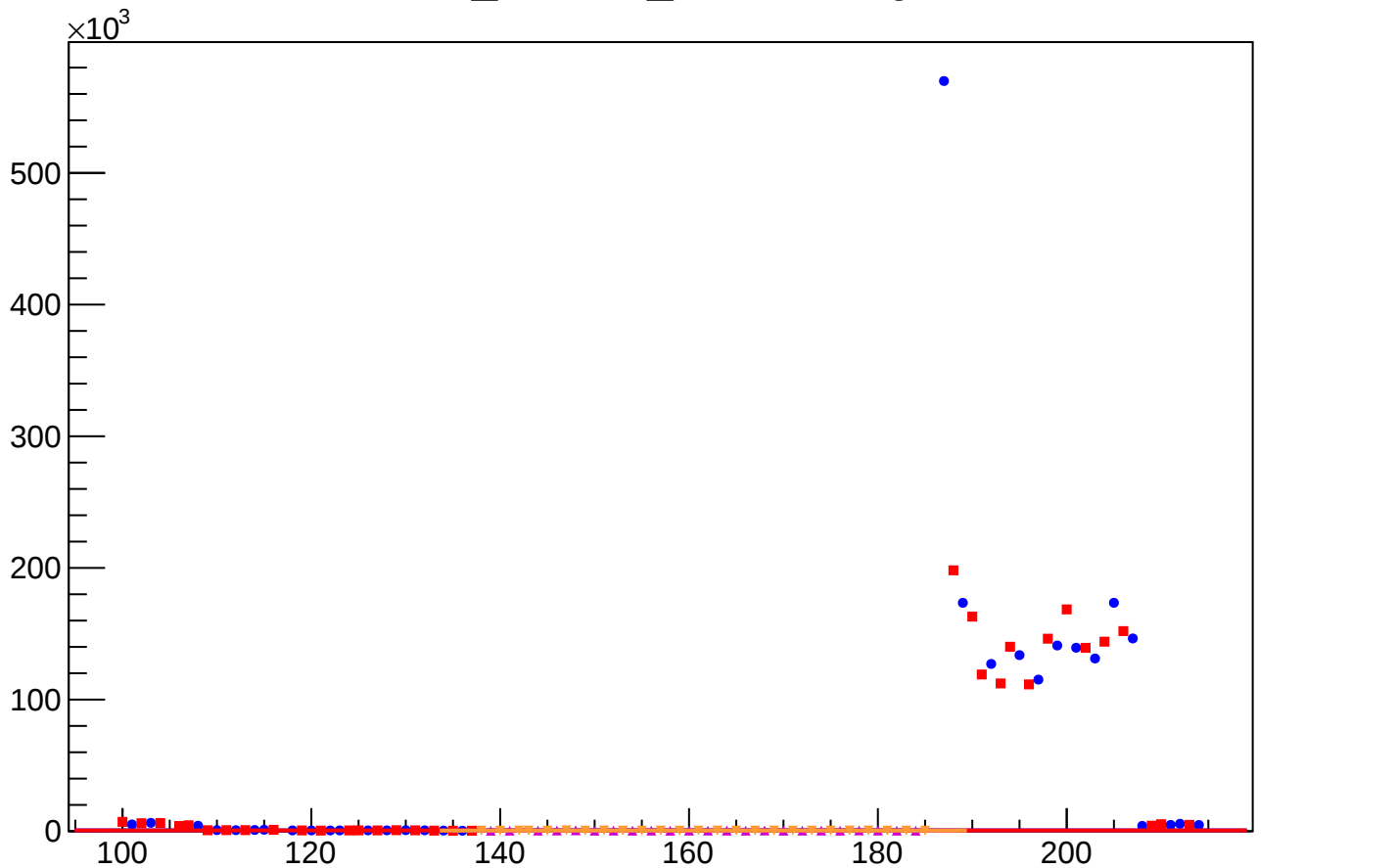
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.185 ± 0.111 χ^2/NDF : 51.0/55

All: 0.164 ± 0.080 χ^2/NDF : 123.1/112

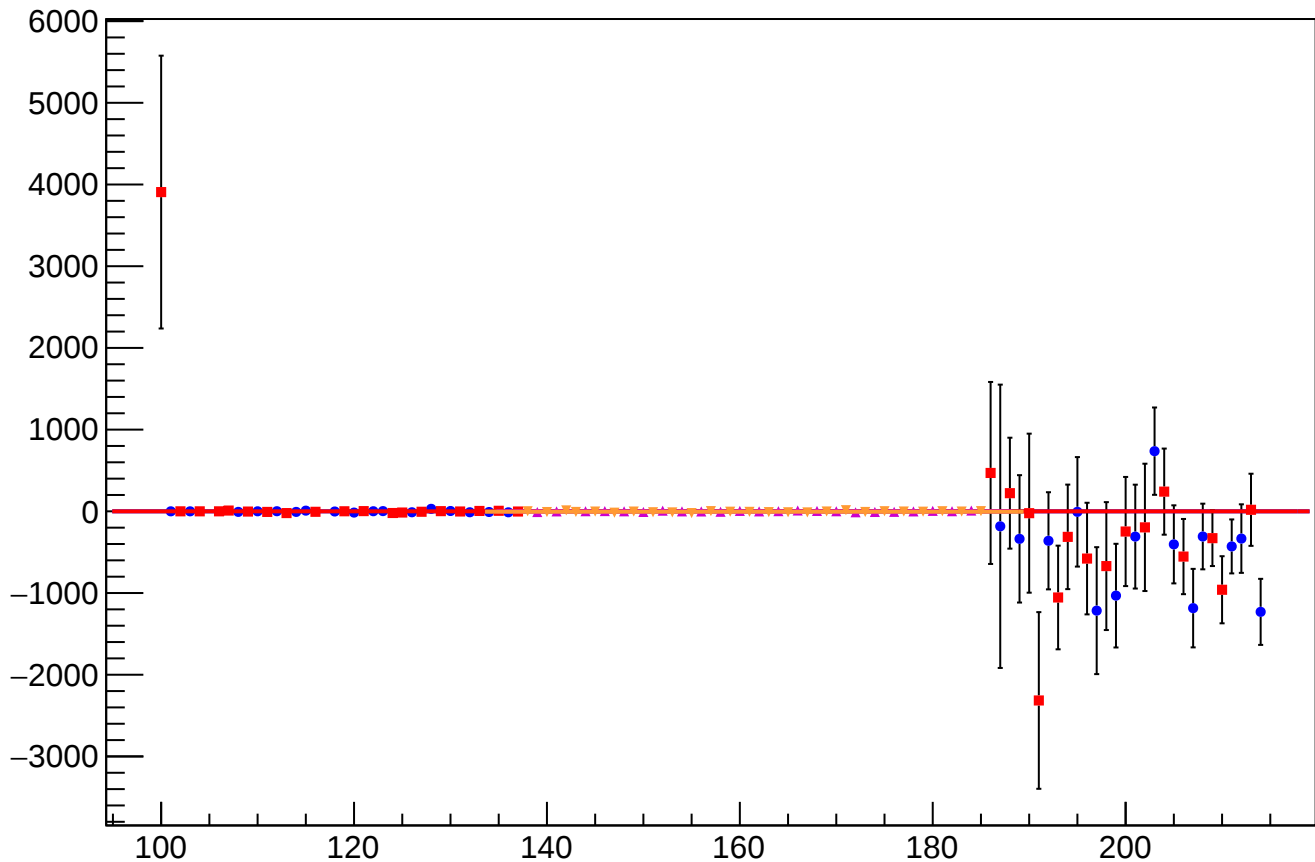
- sign 0.142 ± 0.114 χ^2/NDF : 72.1/56

diff_cav4cY_rms vs Slug



Right In: 649.643 $\pm$ 0.189 χ^2 /NDF: 21268976.3/30 + sign 544.300 $\pm$ 0.079 χ^2 /NDF: 21973723.4/55
 Left Out: 522.220 $\pm$ 0.087 χ^2 /NDF: 330405.3/24 All: 542.684 $\pm$ 0.056 χ^2 /NDF: 44268383.6/1
 Right Out: 629.609 $\pm$ 0.186 χ^2 /NDF: 21588201.2/32 - sign 541.000 $\pm$ 0.080 χ^2 /NDF: 22293801.8/55
 Left In: 520.700 $\pm$ 0.089 χ^2 /NDF: 427720.5/22

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 42.7/30

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

Right Out: -0.027 ± 0.020 χ^2/NDF : 35.0/33

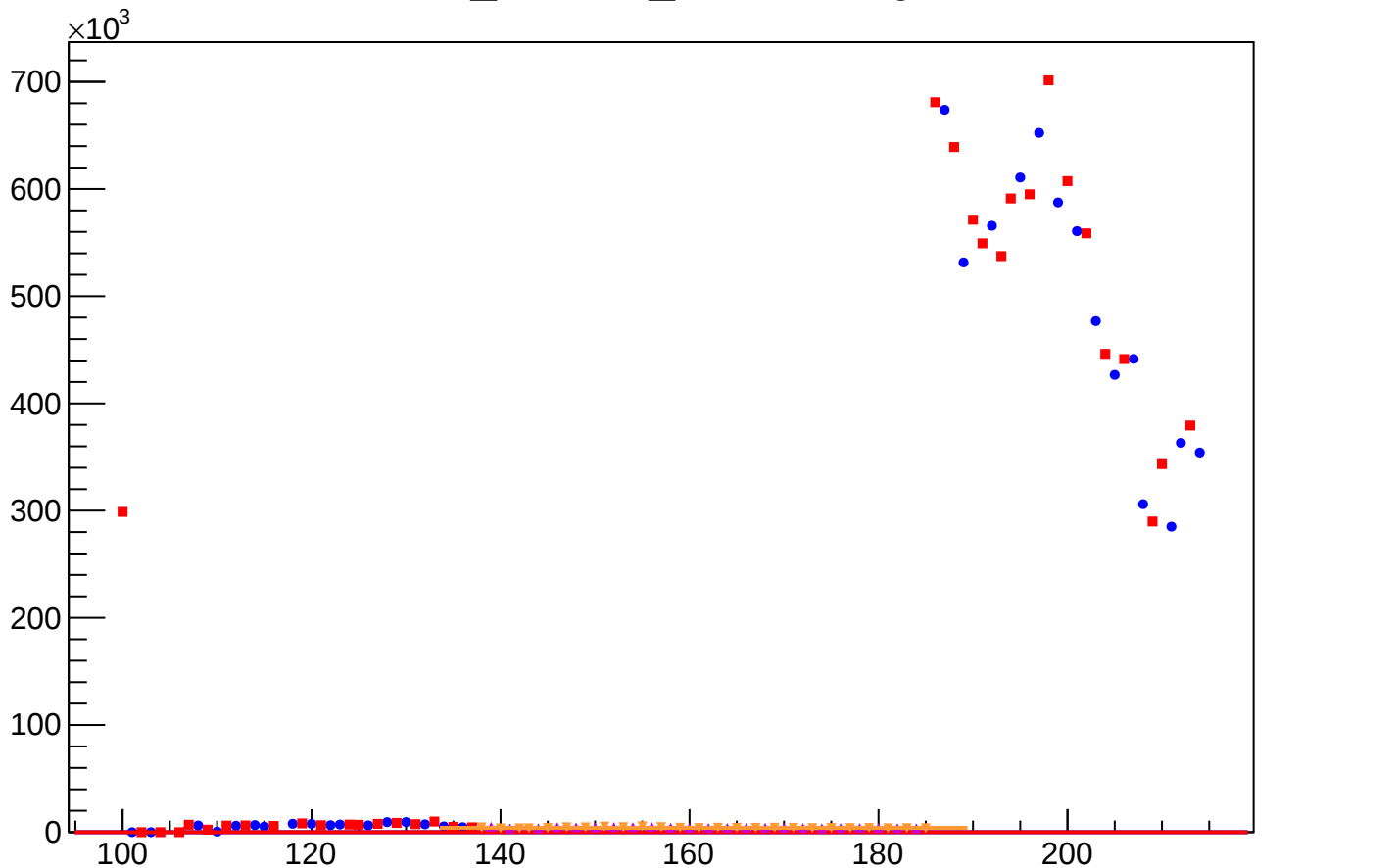
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 122.8/55

All: -0.025 ± 0.014 χ^2/NDF : 187.4/112

- sign -0.027 ± 0.020 χ^2/NDF : 64.5/56

diff_cav4dX_rms vs Slug



Right In: 17.349 ± 0.015 χ^2/NDF : 30400546.3/30

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

Right Out: 17.276 ± 0.014 χ^2/NDF : 31008993.5/33

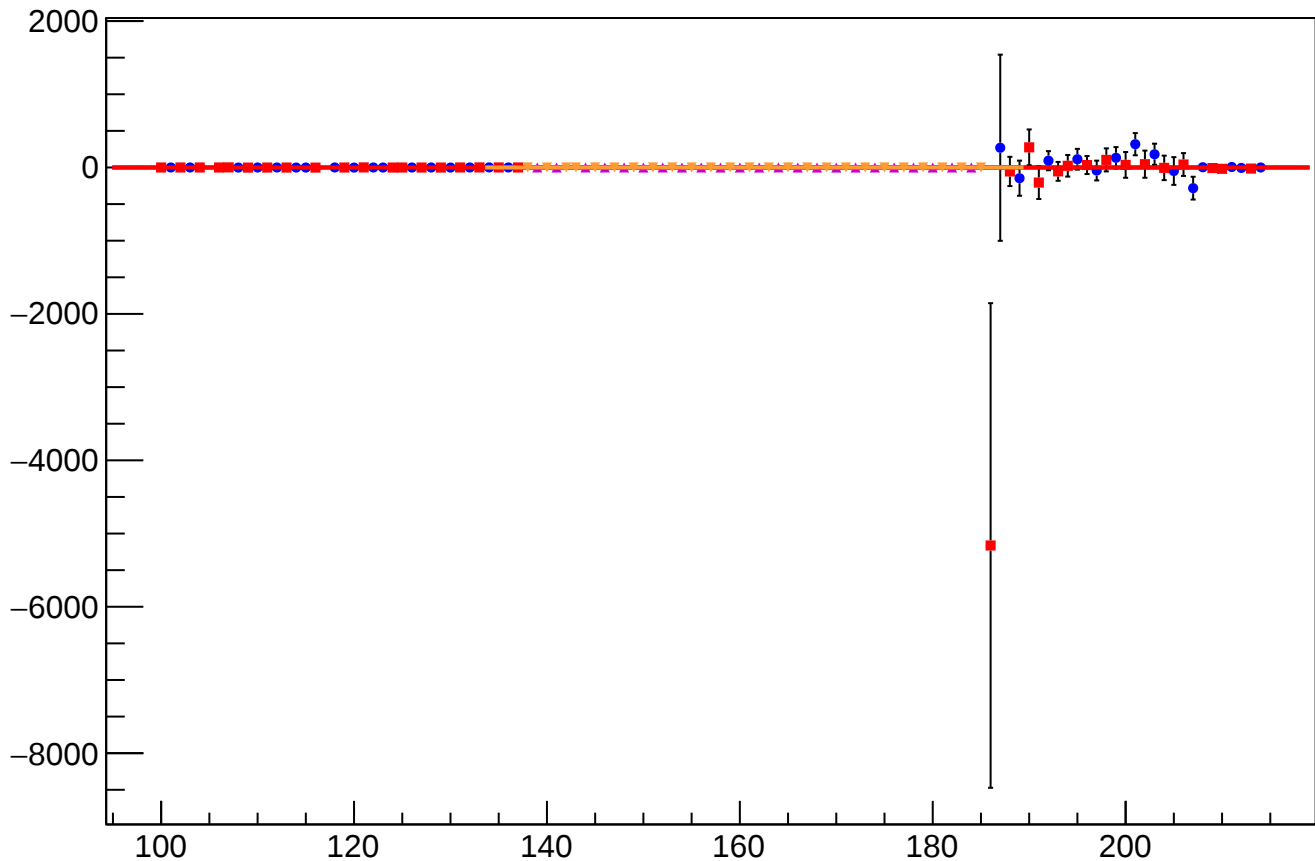
Left In: 4113.993 ± 0.703 χ^2/NDF : 349160.6/22

+ sign 19.263 ± 0.015 χ^2/NDF : 66750545.3/55

All: 19.071 ± 0.010 χ^2/NDF : 132064876.3/11

- sign 18.896 ± 0.014 χ^2/NDF : 65314003.9/56

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 27.2/30

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

Right Out: 0.001 ± 0.002 χ^2/NDF : 35.7/33

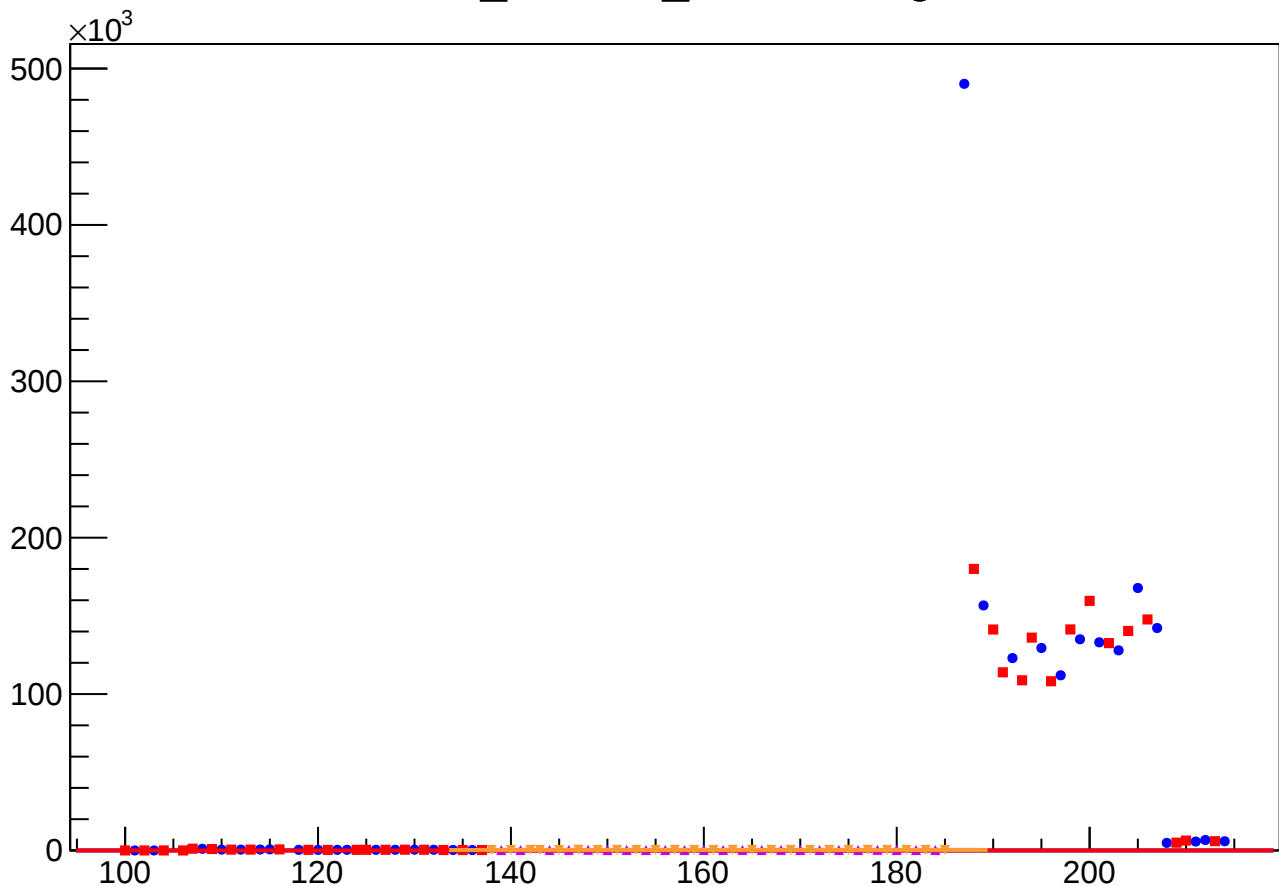
Left In: 0.080 ± 0.079 χ^2/NDF : 34.6/22

+ sign 0.000 ± 0.002 χ^2/NDF : 48.2/55

All: 0.001 ± 0.001 χ^2/NDF : 119.7/112

- sign 0.001 ± 0.002 χ^2/NDF : 71.4/56

diff_cav4dY_rms vs Slug



Right In: 1.701 $\pm$ 0.001 χ^2 /NDF: 30667076.9/30

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

Right Out: 1.730 $\pm$ 0.001 χ^2 /NDF: 29949251.2/32

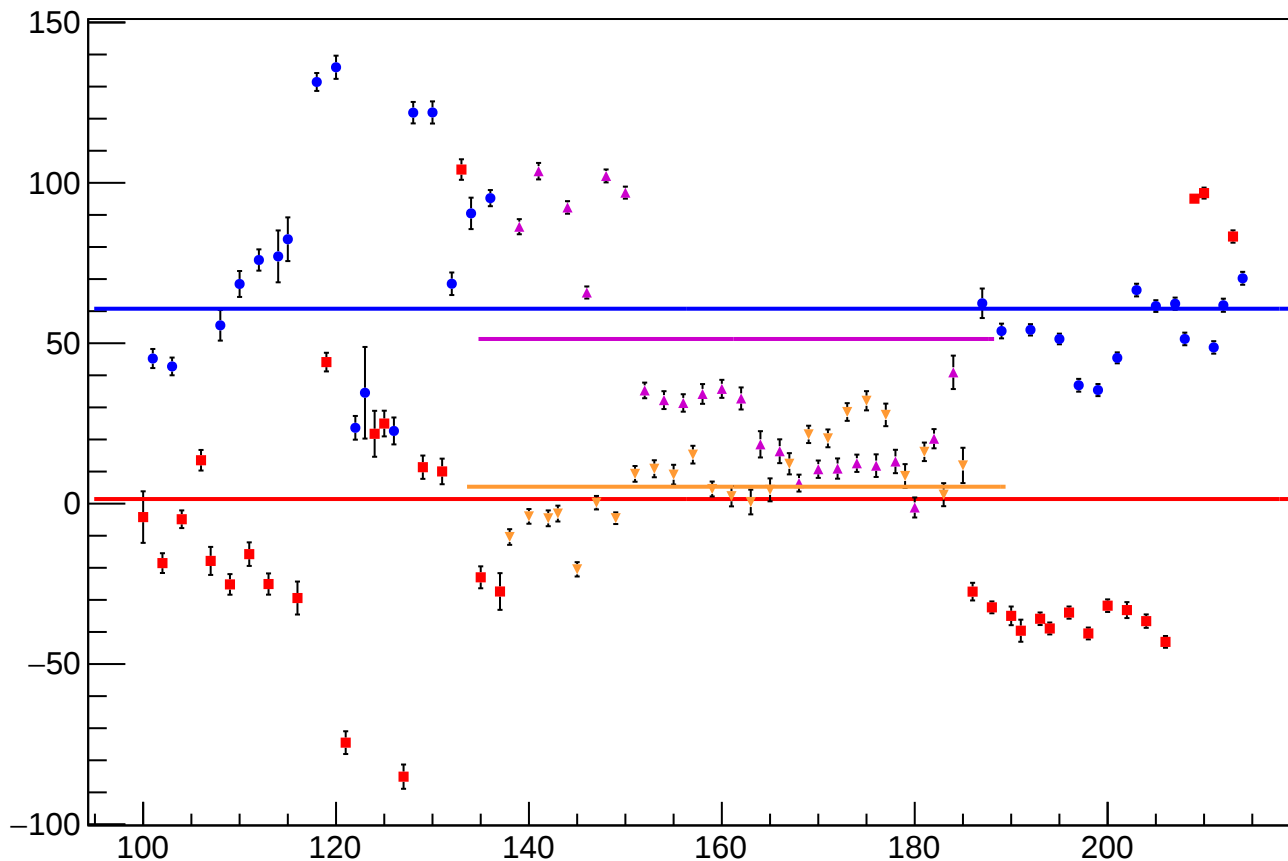
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF:413350.0/22

+ sign 1.928 $\pm$ 0.001 χ^2 /NDF: 66878493.0/55

All: 1.927 $\pm$ 0.001 χ^2 /NDF: 130965340.8/111

- sign 1.925 $\pm$ 0.001 χ^2 /NDF: 64086845.6/55

diff_bpm0i01X_mean vs Slug



Right In: 60.760 ± 0.452 $\chi^2/\text{NDF}: 2801.0/30$

Left Out: 5.276 ± 0.544 $\chi^2/\text{NDF}: 556.2/24$

Right Out: 1.437 ± 0.435 $\chi^2/\text{NDF}: 16407.2/33$

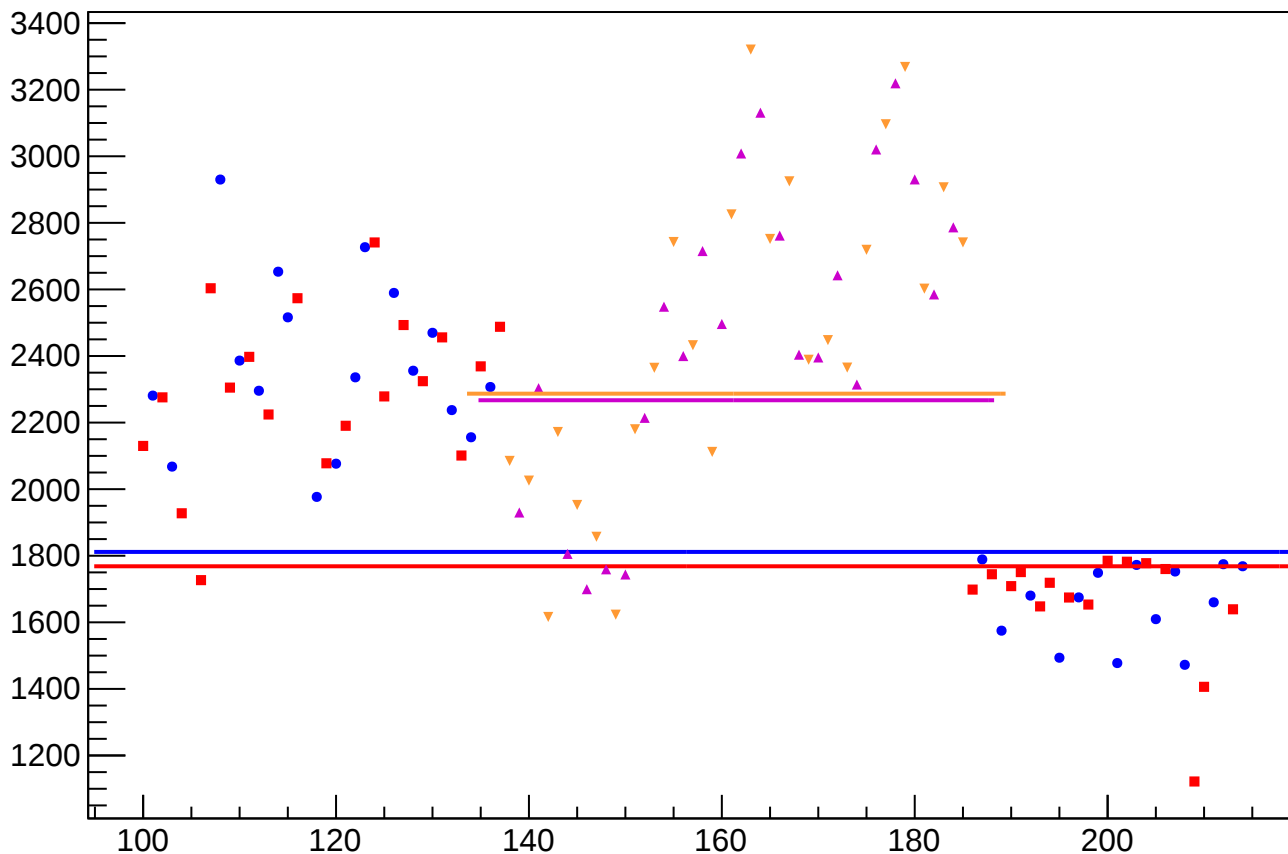
Left In: 51.328 ± 0.558 $\chi^2/\text{NDF}: 4257.8/22$

+ sign 38.126 ± 0.348 $\chi^2/\text{NDF}: 9512.2/55$

All: 29.089 ± 0.244 $\chi^2/\text{NDF}: 36481.1/112$

- sign 20.280 ± 0.343 $\chi^2/\text{NDF}: 25633.6/56$

diff_bpm0i01X_rms vs Slug



Right In: 1811.505 $\pm$ 0.319 χ^2 /NDF: 973946.0/30

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

Right Out: 1768.332 $\pm$ 0.308 χ^2 /NDF: 1357214.2/33

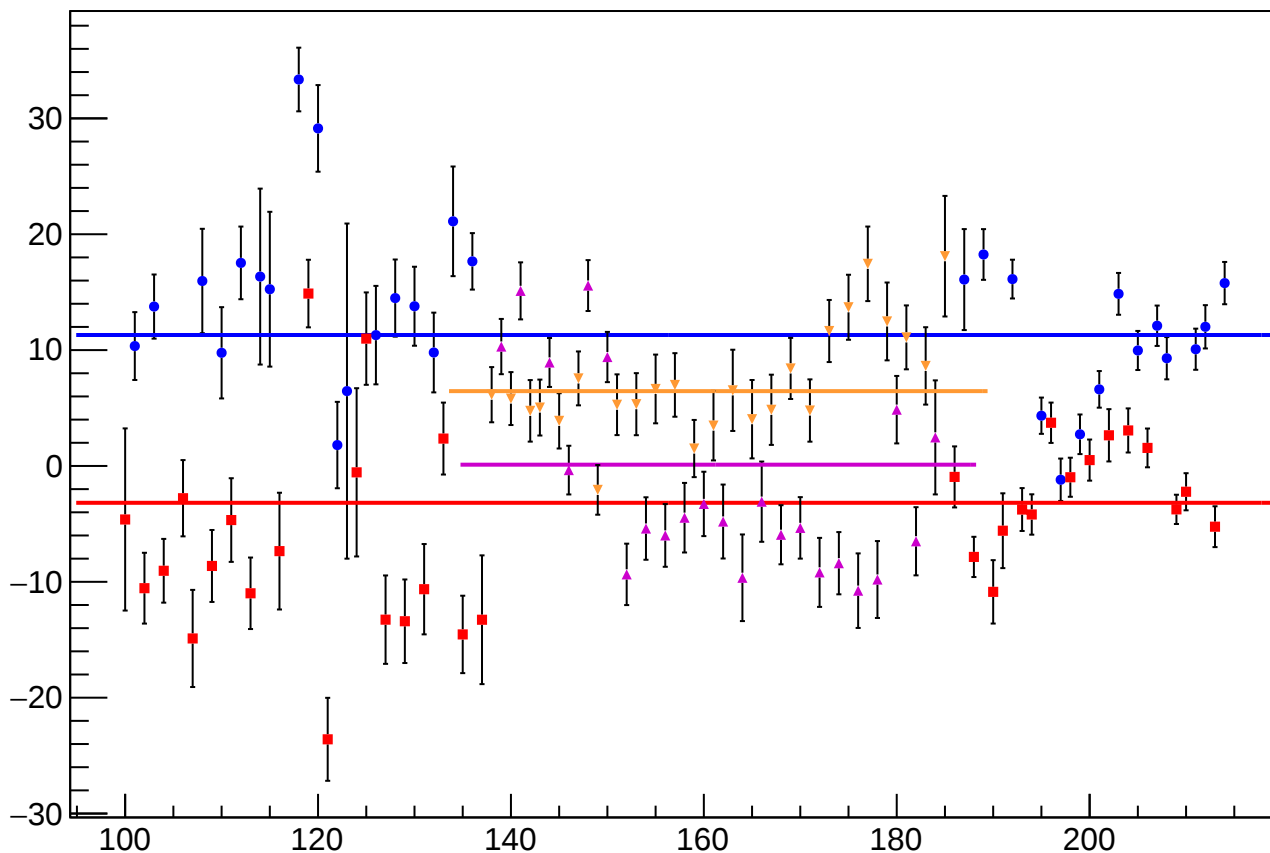
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 2005.423 $\pm$ 0.246 χ^2 /NDF: 3238043.1/55

All: 1980.750 $\pm$ 0.173 χ^2 /NDF: 6921691.7/11

- sign 1956.702 $\pm$ 0.243 χ^2 /NDF: 3663746.9/56

diff_bpm0i01Y_mean vs Slug



Right In: 11.304 ± 0.424 χ^2/NDF : 245.9/30

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

Right Out: -3.179 ± 0.410 χ^2/NDF : 214.9/33

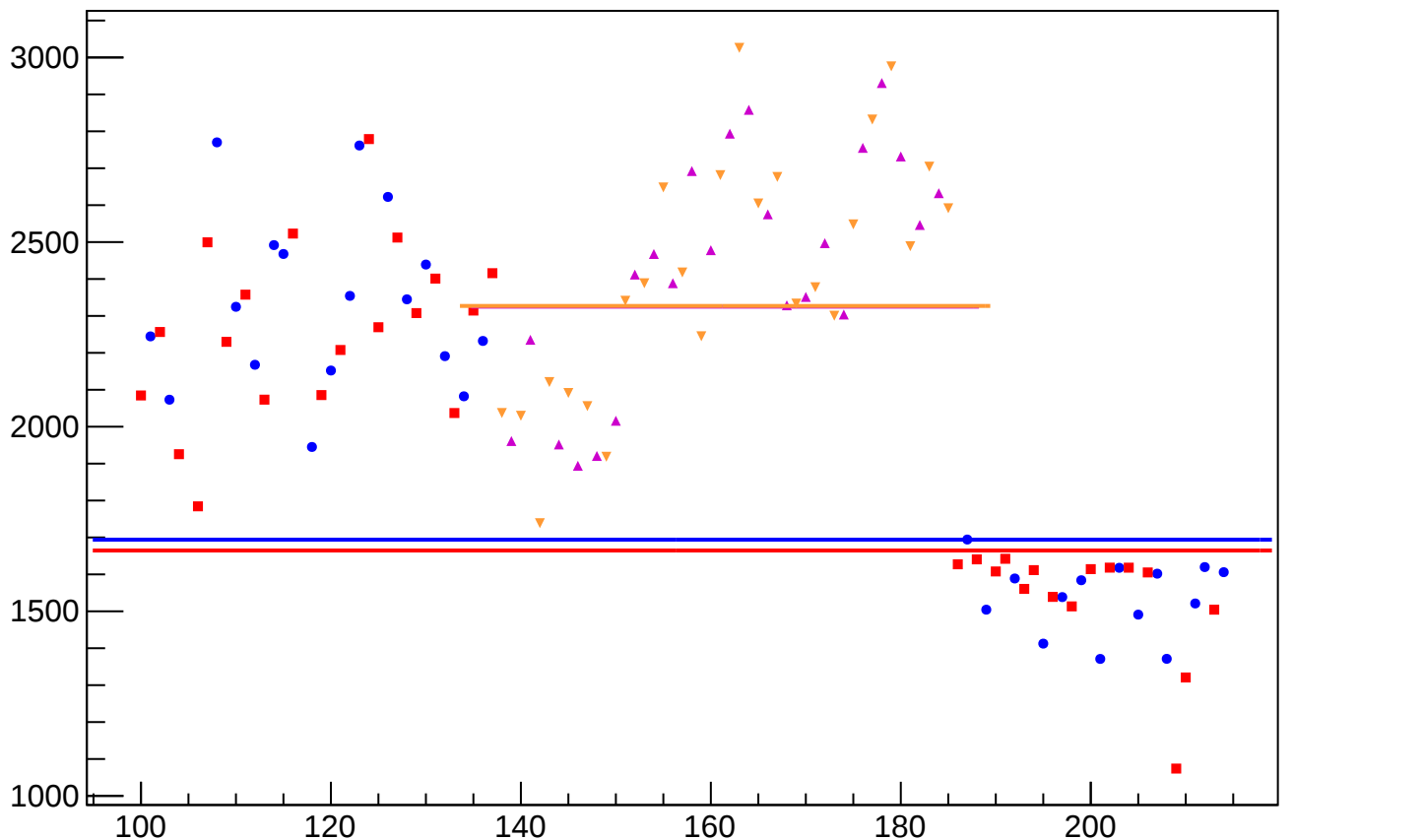
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 9.489 ± 0.335 χ^2/NDF : 353.6/55

All: 3.672 ± 0.236 χ^2/NDF : 1422.9/112

- sign -2.043 ± 0.332 χ^2/NDF : 471.6/56

diff_bpm0i01Y_rms vs Slug



Right In: 1693.948 $\pm$ 0.300 χ^2 /NDF: 1230099.6/30

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

Right Out: 1664.642 $\pm$ 0.290 χ^2 /NDF: 1557281.2/33

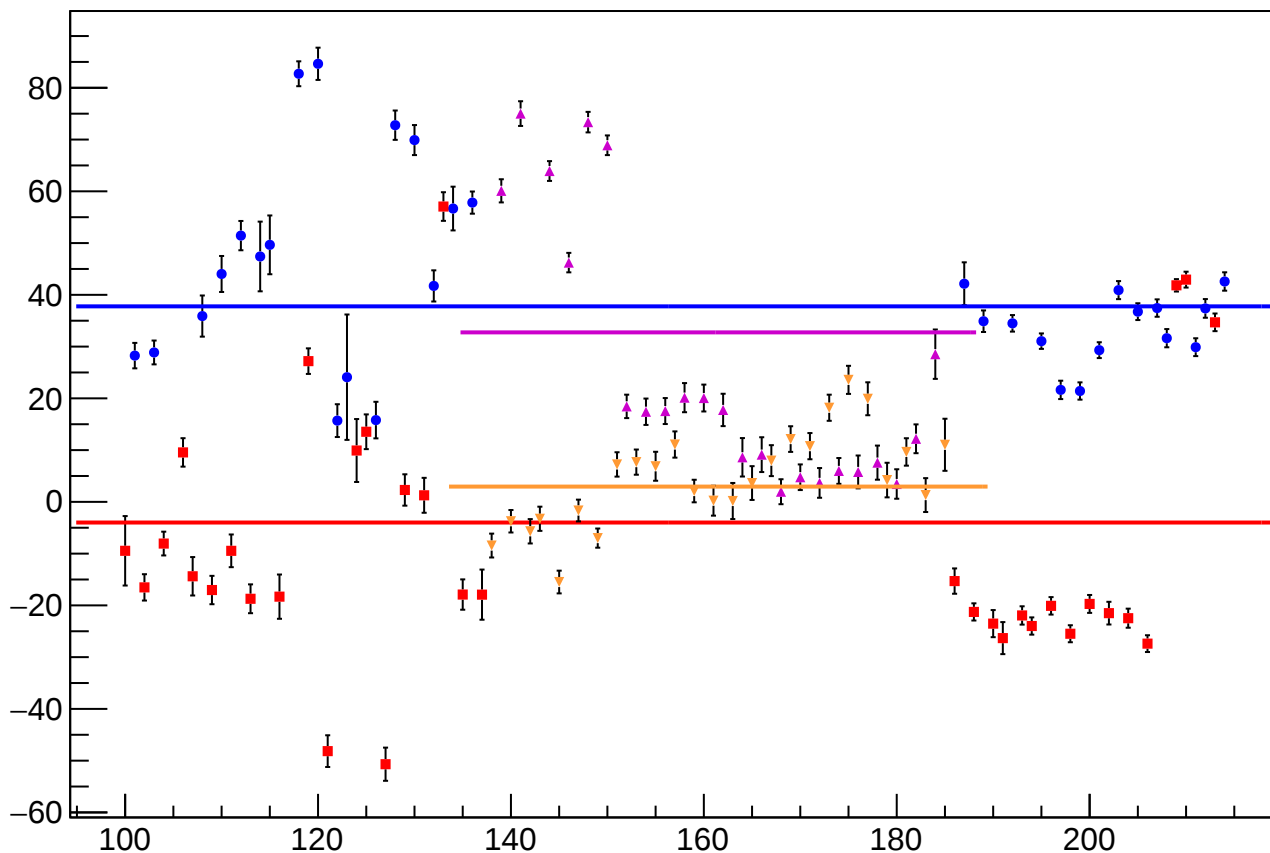
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 1930.997 $\pm$ 0.237 χ^2 /NDF: 3549372.0/55

All: 1911.677 $\pm$ 0.167 χ^2 /NDF: 7519318.3/11

- sign 1892.699 $\pm$ 0.235 χ^2 /NDF: 3956764.1/56

diff_bpm0i01aX_mean vs Slug



Right In: 37.773 $\pm$ 0.397 χ^2 /NDF: 1392.8/30

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

Right Out: -3.992 $\pm$ 0.383 χ^2 /NDF: 5376.2/33

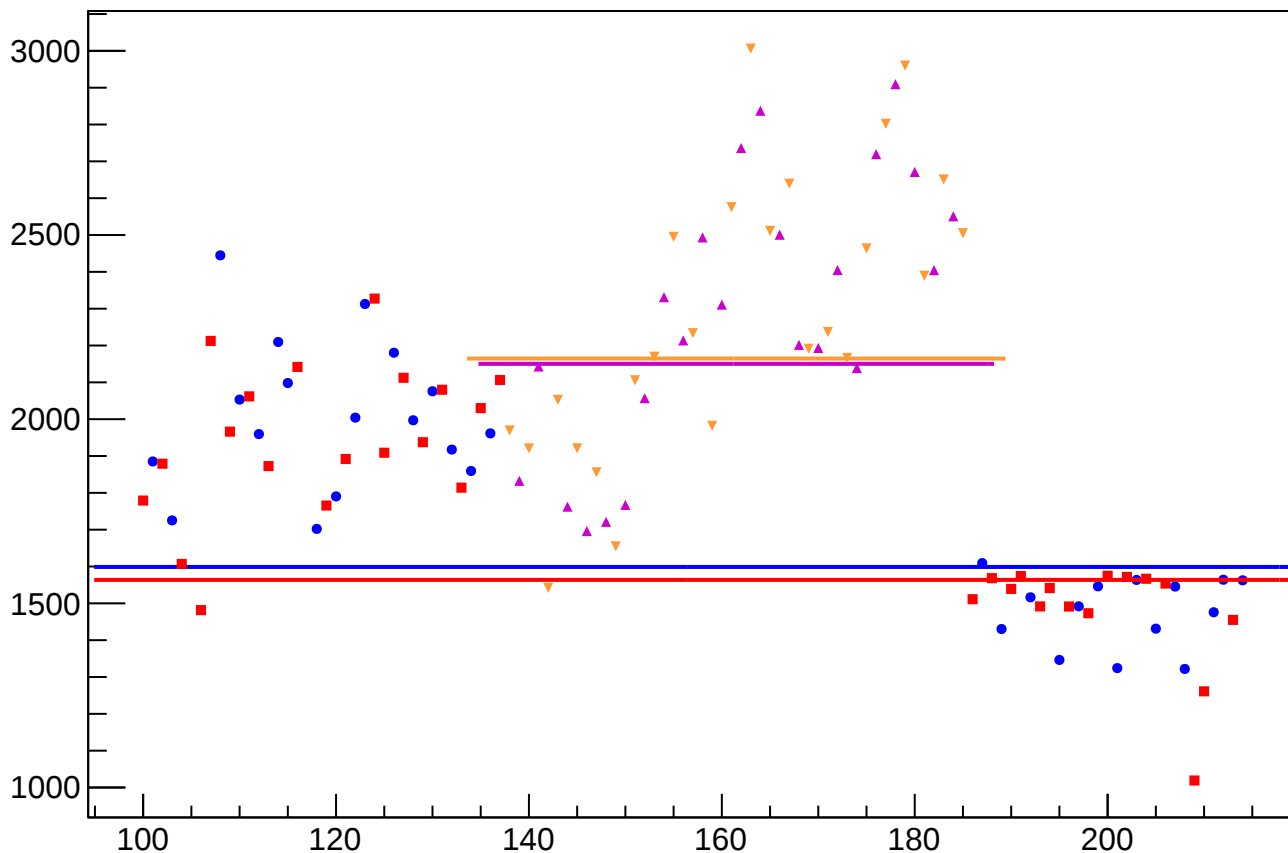
Left In: 32.745 $\pm$ 0.526 χ^2 /NDF:2632.5/22

+ sign 24.699 $\pm$ 0.314 χ^2 /NDF: 4620.1/55

All: 16.608 $\pm$ 0.220 χ^2 /NDF: 17129.3/112

- sign 8.728 $\pm$ 0.310 χ^2 /NDF: 11196.2/56

diff_bpm0i01aX_rms vs Slug



Right In: 1598.804 $\pm$ 0.281 χ^2 /NDF: 742945.9/30

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

Right Out: 1563.701 $\pm$ 0.271 χ^2 /NDF: 1080834.6/33

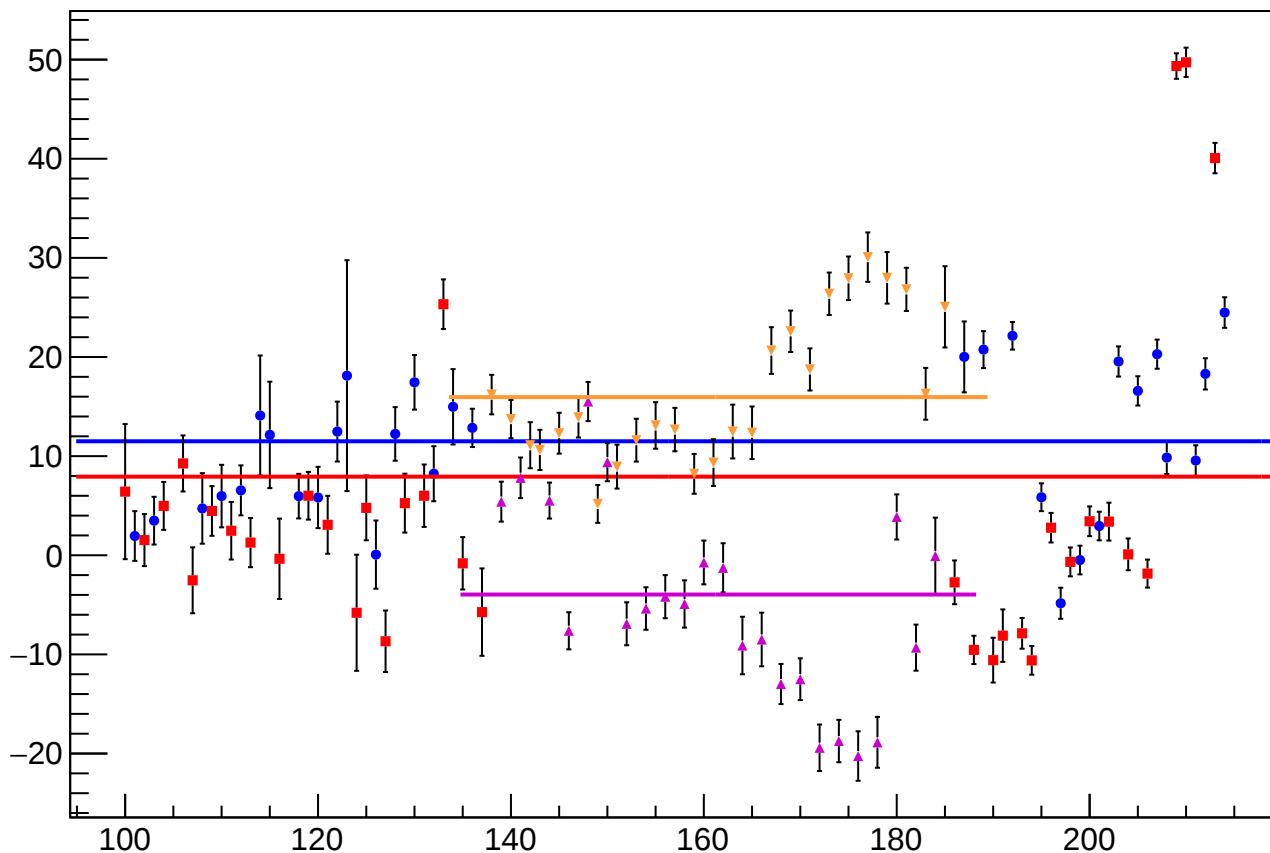
Left In: 2150.190 $\pm$ 0.372 χ^2 /NDF: 911849.7/22

+ sign 1811.240 $\pm$ 0.222 χ^2 /NDF: 3234151.7/55

All: 1788.710 $\pm$ 0.156 χ^2 /NDF: 6871986.6/11

- sign 1766.767 $\pm$ 0.219 χ^2 /NDF: 3617470.3/56

diff_bpm0i01aY_mean vs Slug



Right In: 11.500 $\pm$ 0.361 χ^2 /NDF: 549.5/30

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

Right Out: 7.930 $\pm$ 0.352 χ^2 /NDF: 3091.7/33

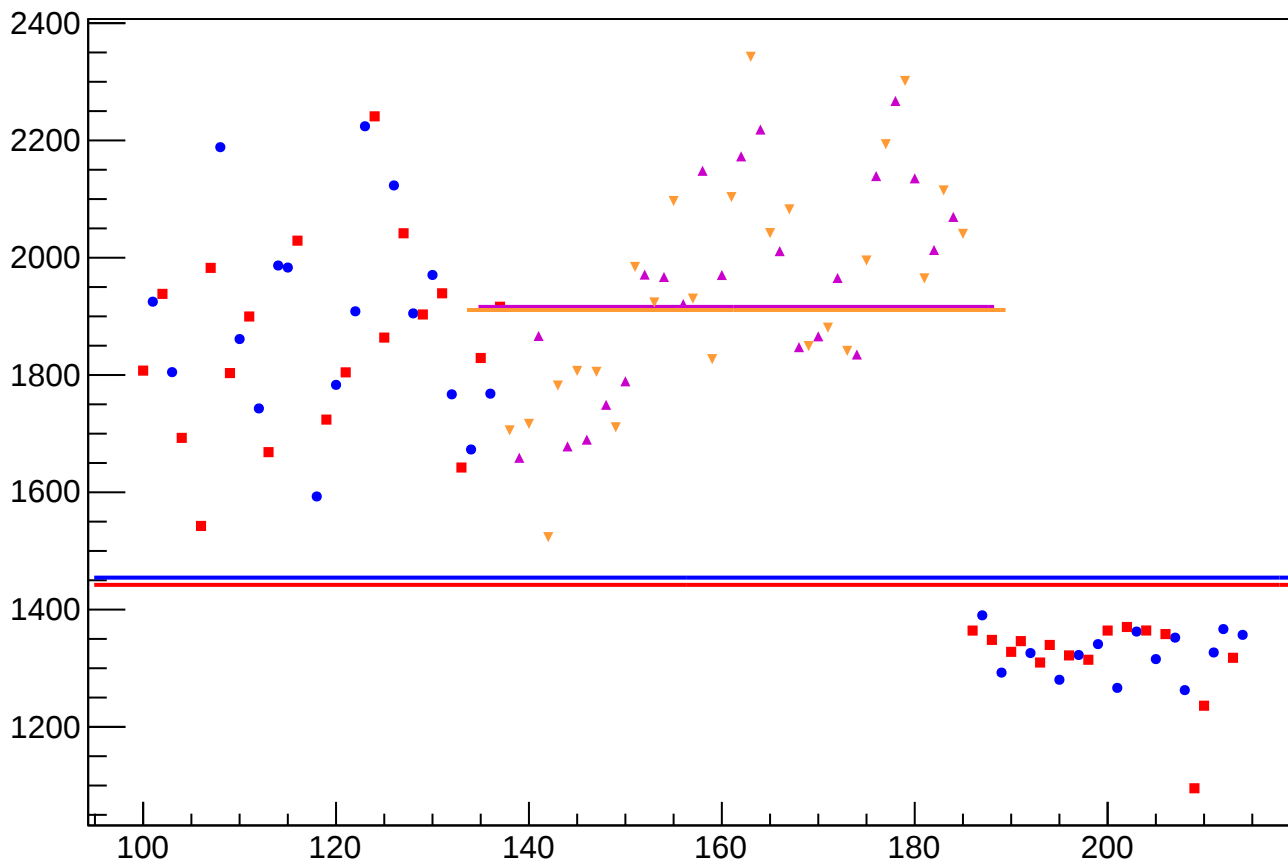
Left In: -3.960 $\pm$ 0.463 χ^2 /NDF:464.9/22

+ sign 13.255 $\pm$ 0.281 χ^2 /NDF: 854.8/55

All: 8.403 $\pm$ 0.198 χ^2 /NDF: 5425.4/112

- sign 3.577 $\pm$ 0.280 χ^2 /NDF: 3975.0/56

diff_bpm0i01aY_rms vs Slug



Right In: 1454.526 $\pm$ 0.255 χ^2 /NDF: 875866.4/30

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

Right Out: 1442.173 $\pm$ 0.249 χ^2 /NDF: 973059.8/33

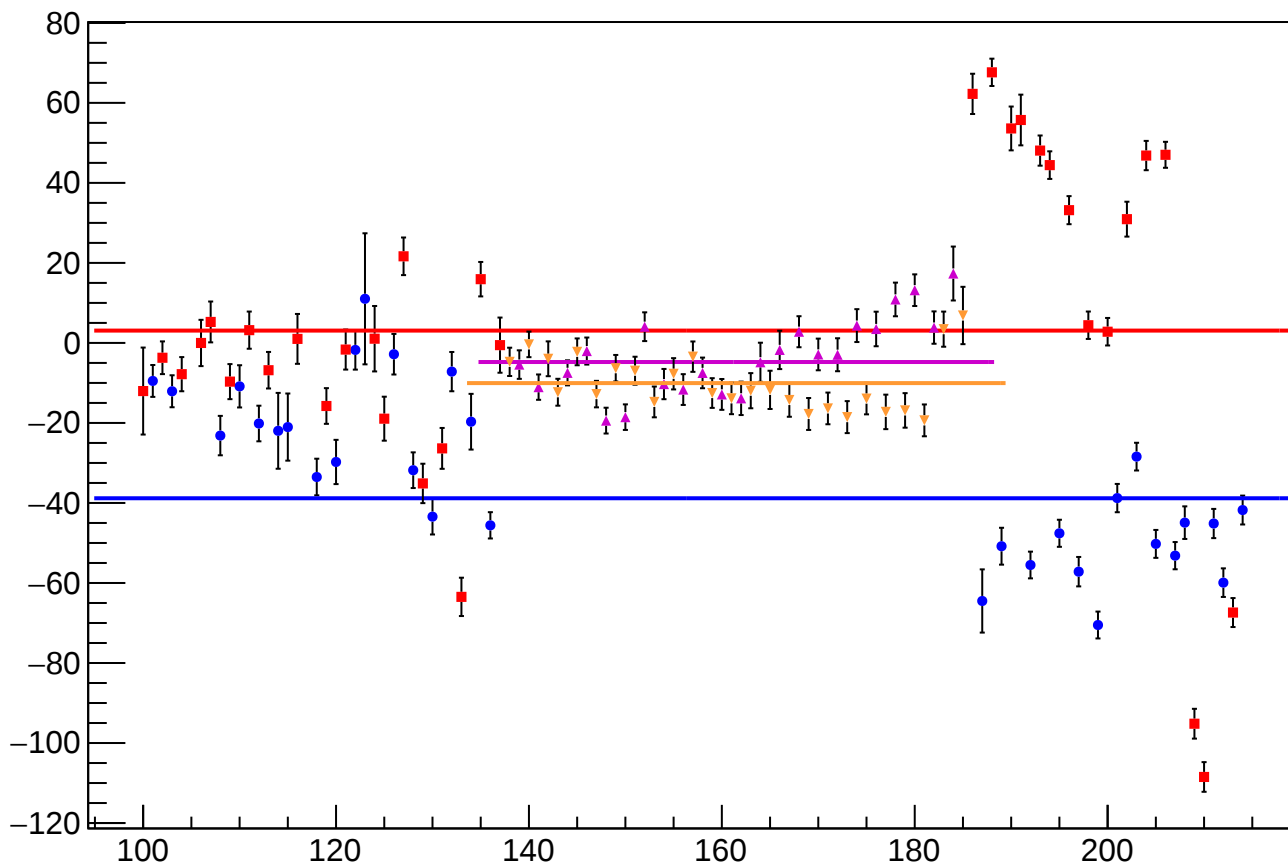
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1634.262 $\pm$ 0.199 χ^2 /NDF: 2465952.7/55

All: 1624.962 $\pm$ 0.140 χ^2 /NDF: 5047290.6/11

- sign 1615.711 $\pm$ 0.198 χ^2 /NDF: 2576961.4/56

diff_bpm0l01X_mean vs Slug



Right In: -38.825 ± 0.762 χ^2/NDF : 580.8/30

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

Right Out: 3.083 ± 0.750 χ^2/NDF : 3726.8/33

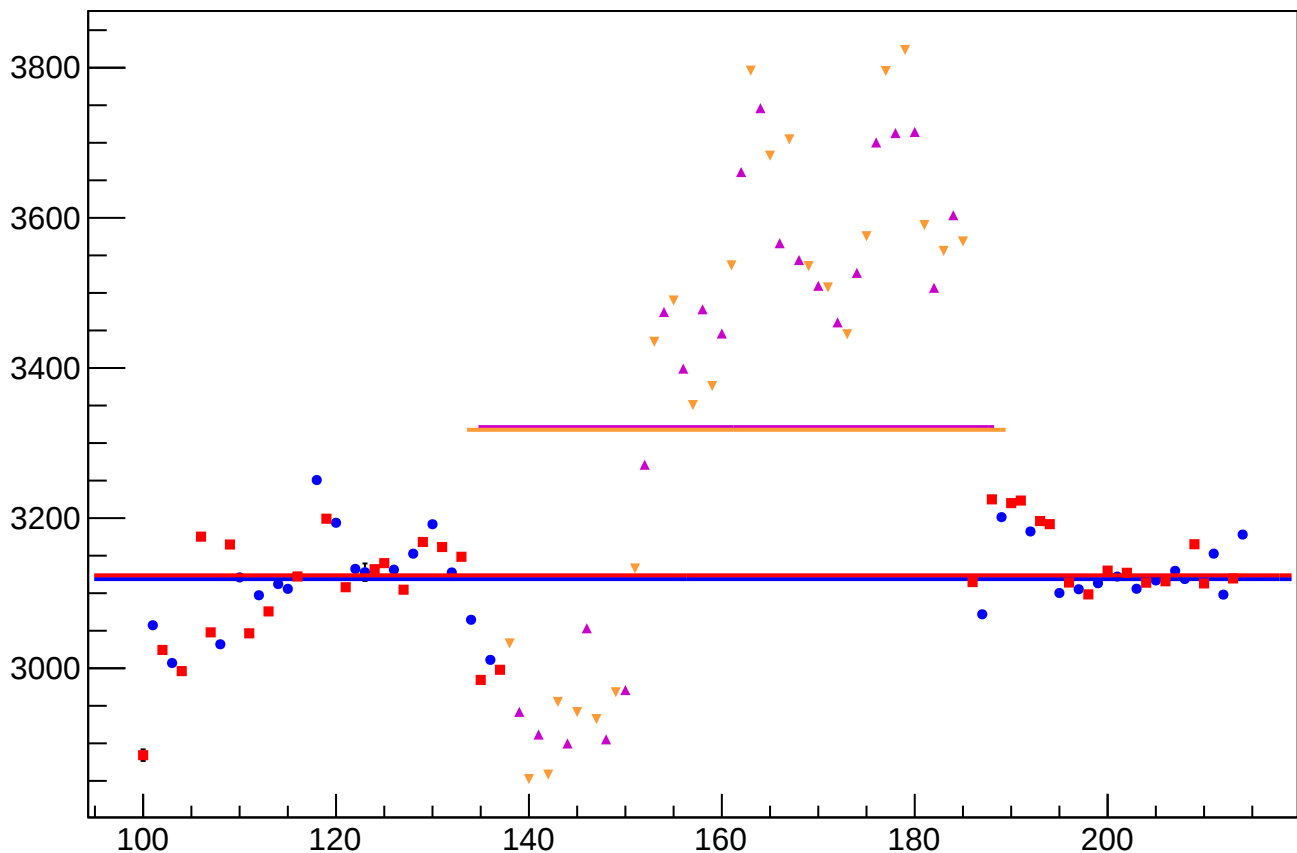
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -24.704 ± 0.544 χ^2/NDF : 1348.2/55

All: -12.727 ± 0.386 χ^2/NDF : 6231.5/112

- sign -0.591 ± 0.547 χ^2/NDF : 3906.6/56

diff_bpm0l01X_rms vs Slug



Right In: 3118.783 $\pm$ 0.539 χ^2 /NDF: 10052.5/30

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

Right Out: 3123.817 $\pm$ 0.530 χ^2 /NDF: 14038.2/33

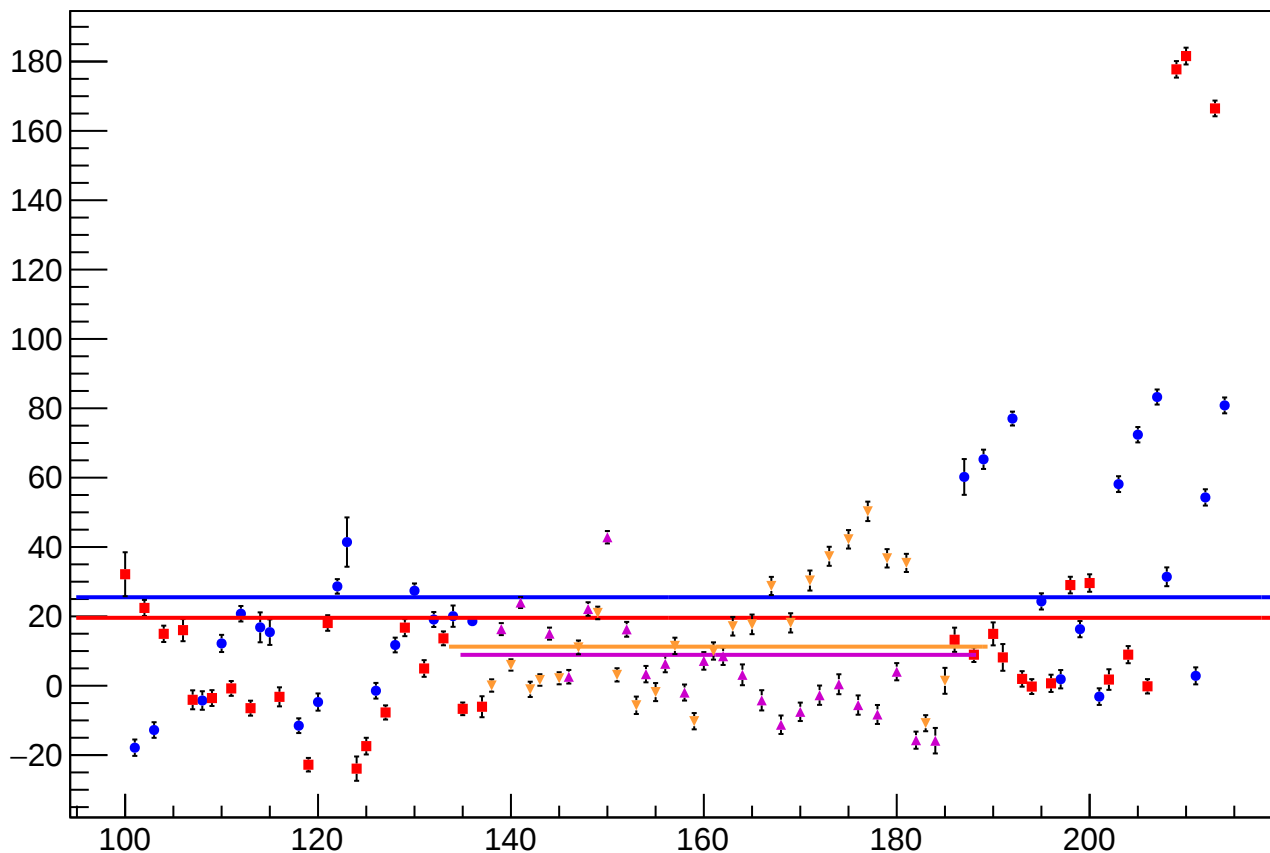
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF:284334.2/22

+ sign 3216.370 $\pm$ 0.385 χ^2 /NDF: 413814.8/55

All: 3216.259 $\pm$ 0.273 χ^2 /NDF: 776980.9/112

- sign 3216.146 $\pm$ 0.387 χ^2 /NDF: 363166.0/56

diff_bpm0l01Y_mean vs Slug



Right In: 25.515 $\pm$ 0.424 χ^2 /NDF: 4809.0/30

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

Right Out: 19.584 $\pm$ 0.417 χ^2 /NDF: 15369.0/33

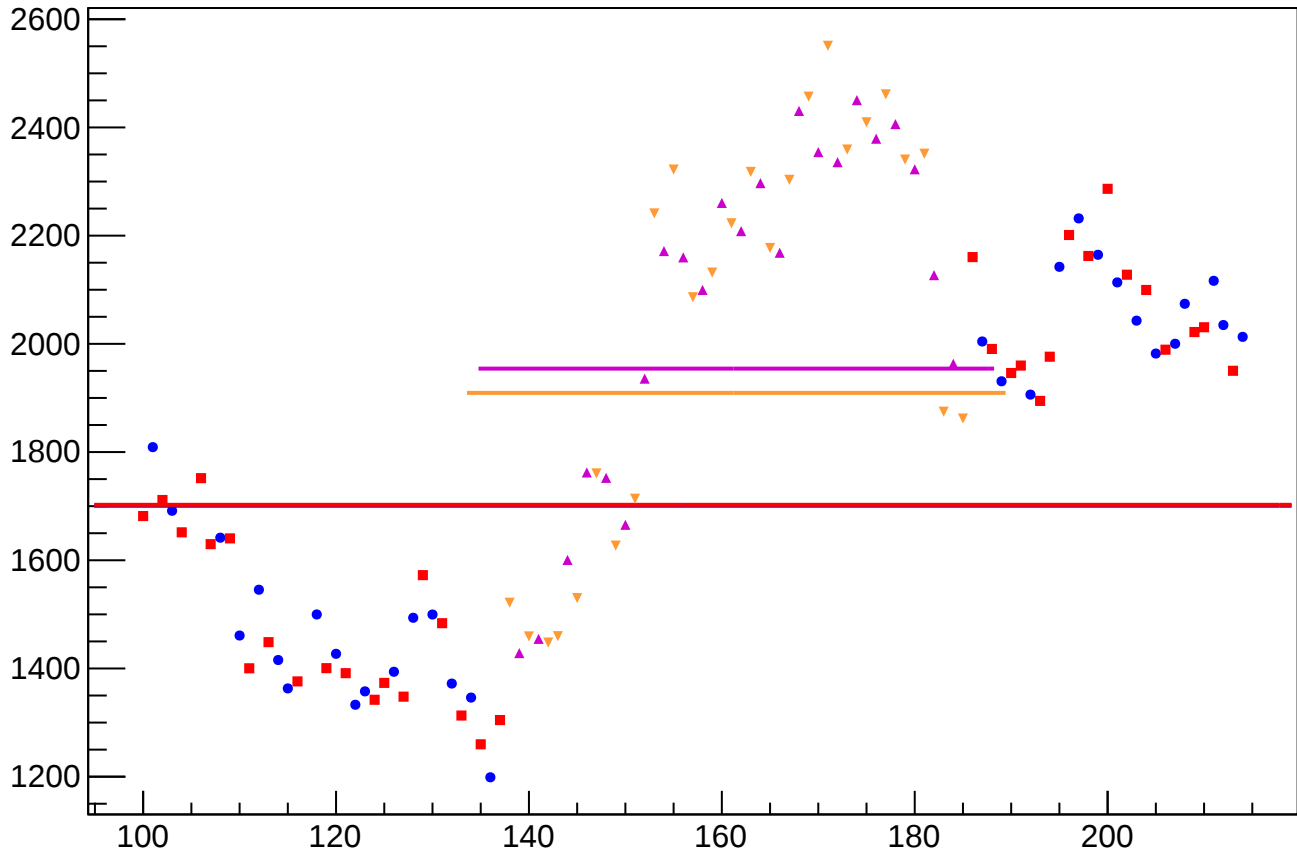
Left In: 8.905 $\pm$ 0.478 χ^2 /NDF: 936.3/22

+ sign 18.883 $\pm$ 0.310 χ^2 /NDF: 6476.4/55

All: 16.951 $\pm$ 0.221 χ^2 /NDF: 23144.4/112

- sign 14.968 $\pm$ 0.314 χ^2 /NDF: 16589.3/56

diff_bpm0l01Y_rms vs Slug



Right In: 1700.863 $\pm$ 0.300 χ^2 /NDF: 1226194.8/30

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

+ sign 1797.924 $\pm$ 0.219 χ^2 /NDF: 2849863.4/55

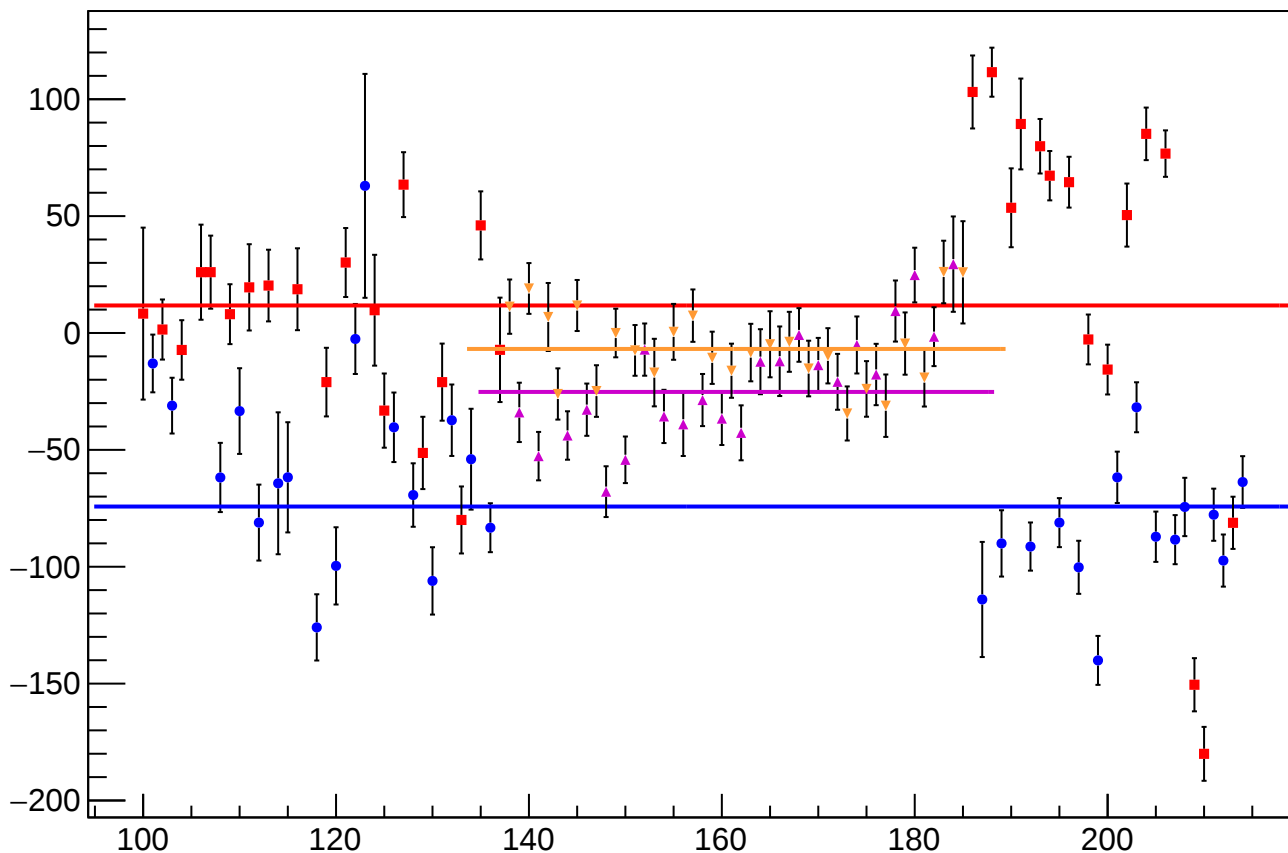
Right Out: 1702.492 $\pm$ 0.295 χ^2 /NDF: 1183216.8/33

All: 1804.528 $\pm$ 0.156 χ^2 /NDF: 5395349.9/11

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

- sign 1811.301 $\pm$ 0.222 χ^2 /NDF: 2543647.8/56

diff_bpm0l02X_mean vs Slug



Right In: -74.246 ± 2.363 $\chi^2/\text{NDF}: 185.8/30$

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

Right Out: 11.773 ± 2.330 $\chi^2/\text{NDF}: 984.9/33$

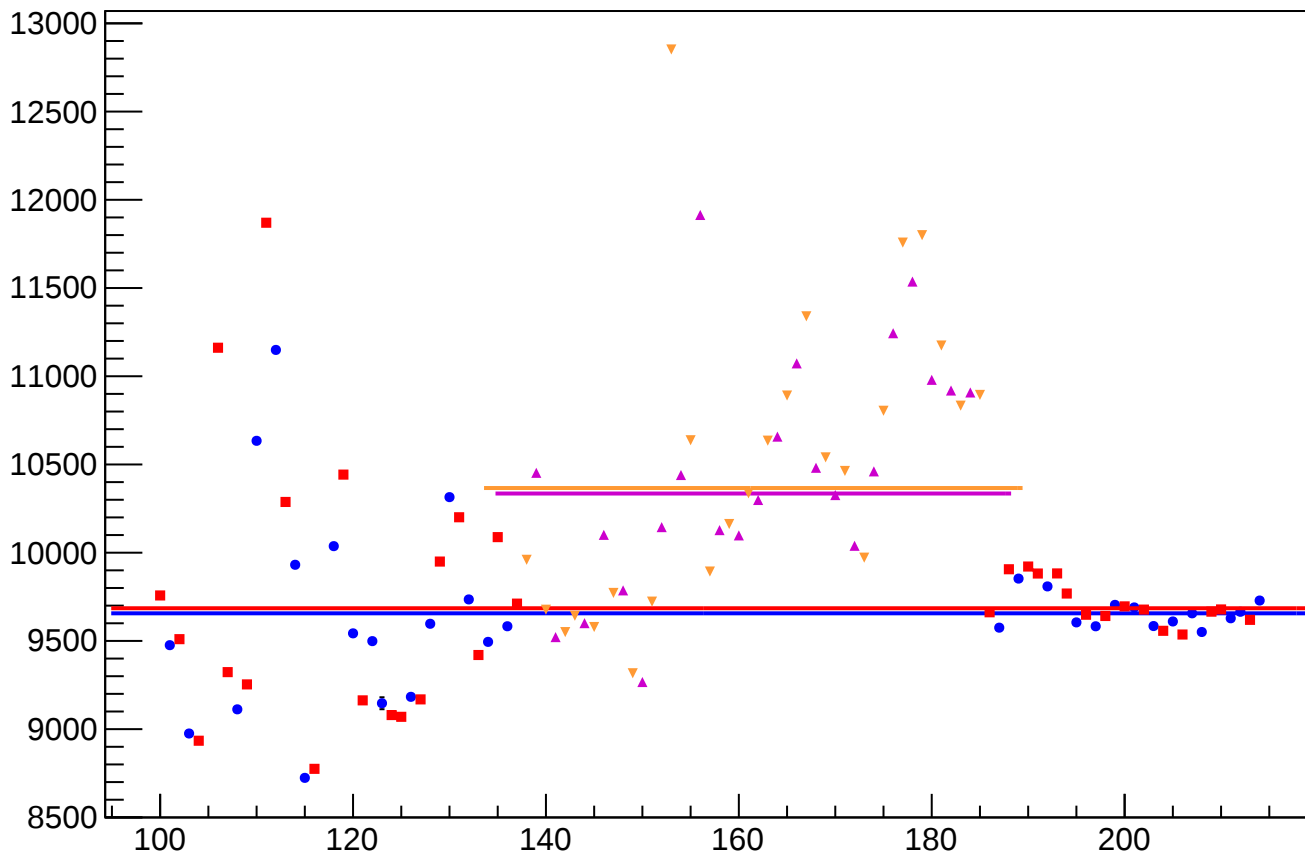
Left In: -25.215 ± 2.487 $\chi^2/\text{NDF}: 89.3/22$

+ sign -41.377 ± 1.691 $\chi^2/\text{NDF}: 625.1/55$

All: -23.543 ± 1.199 $\chi^2/\text{NDF}: 2040.5/112$

- sign -5.522 ± 1.700 $\chi^2/\text{NDF}: 1191.9/56$

diff_bpm0l02X_rms vs Slug



Right In: 9656.452 $\pm$ 1.671 χ^2 /NDF: 45418.9/30

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

Right Out: 9685.110 $\pm$ 1.648 χ^2 /NDF: 80423.2/33

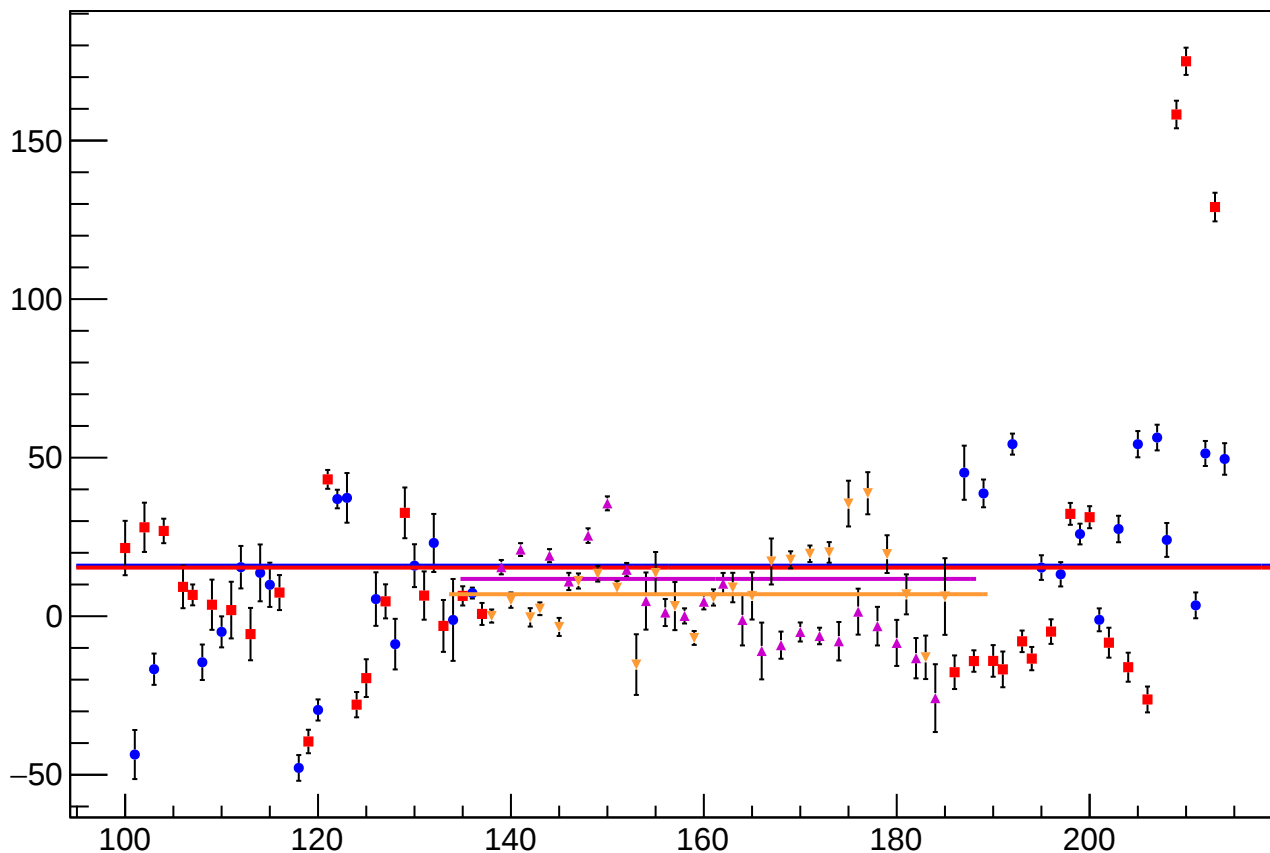
Left In: 10335.399 $\pm$ 1.758 χ^2 /NDF: 127173.0/22

+ sign 10002.625 $\pm$ 1.196 χ^2 /NDF: 344884.3/55

All: 9995.933 $\pm$ 0.848 χ^2 /NDF: 625369.6/112

- sign 9989.171 $\pm$ 1.202 χ^2 /NDF: 280422.4/56

diff_bpm0l02Y_mean vs Slug



Right In: 15.945 ± 0.763 $\chi^2/\text{NDF}: 1218.2/30$

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

Right Out: 15.335 ± 0.759 $\chi^2/\text{NDF}: 4166.7/33$

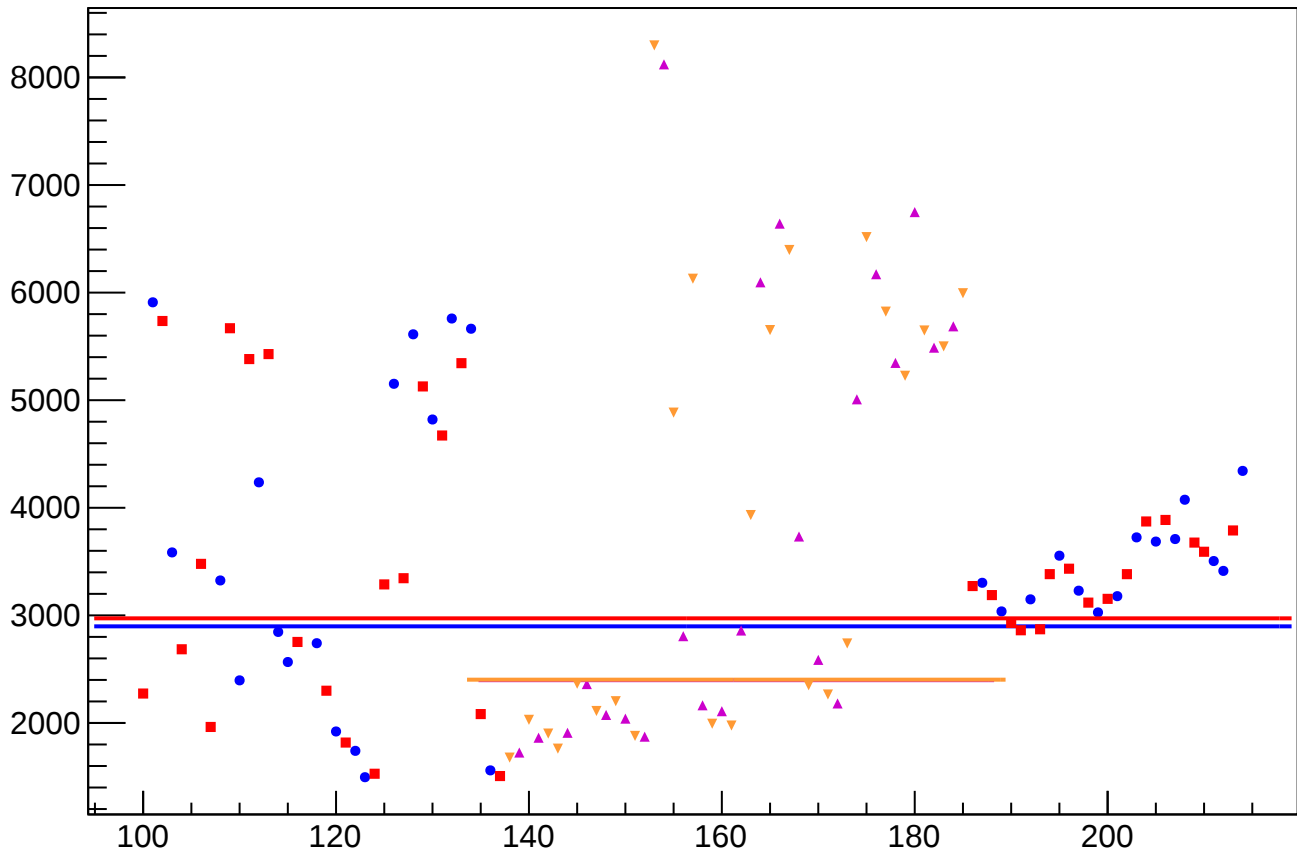
Left In: 11.766 ± 0.648 $\chi^2/\text{NDF}: 395.1/22$

+ sign 10.647 ± 0.490 $\chi^2/\text{NDF}: 1503.9/55$

All: 11.951 ± 0.347 $\chi^2/\text{NDF}: 6092.7/112$

- sign 13.272 ± 0.493 $\chi^2/\text{NDF}: 4574.6/56$

diff_bpm0l02Y_rms vs Slug



Right In: 2898.039 $\pm$ 0.540 χ^2 /NDF: 3725095.2/30

Left Out: 2402.359 $\pm$ 0.452 χ^2 /NDF: 6345982.8/24

Right Out: 2972.378 $\pm$ 0.537 χ^2 /NDF: 3052955.4/33

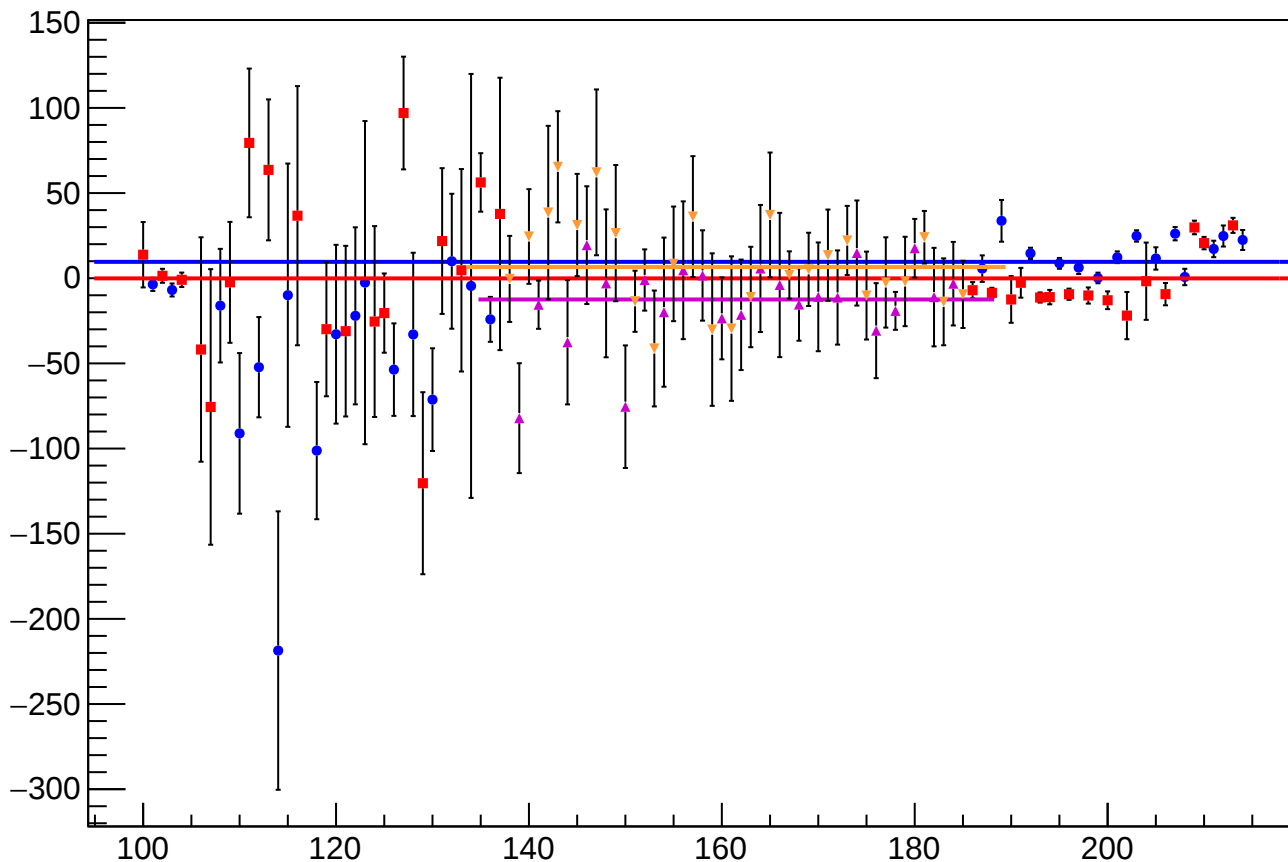
Left In: 2397.701 $\pm$ 0.458 χ^2 /NDF: 5398920.1/22

+ sign 2606.472 $\pm$ 0.346 χ^2 /NDF: 10567030.0/55

All: 2623.212 $\pm$ 0.246 χ^2 /NDF: 19686545.4/1

- sign 2640.162 $\pm$ 0.349 χ^2 /NDF: 9114815.3/56

diff_bpm0l03X_mean vs Slug



Right In: 9.622 ± 1.031 χ^2/NDF : 149.0/30

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

Right Out: -0.090 ± 1.076 χ^2/NDF : 227.5/33

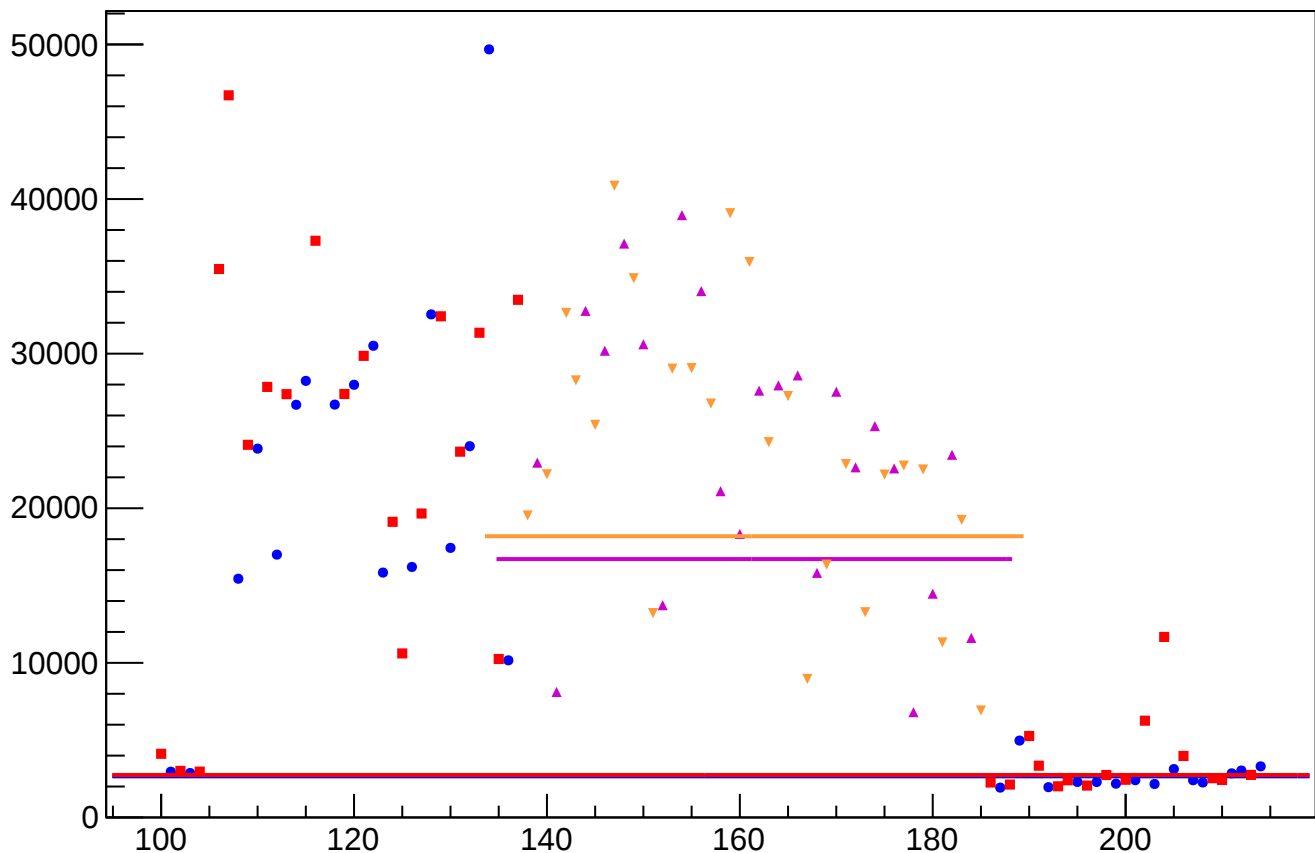
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign 9.501 ± 1.010 χ^2/NDF : 166.1/55

All: 4.639 ± 0.729 χ^2/NDF : 463.1/112

- sign -0.632 ± 1.052 χ^2/NDF : 248.7/56

diff_bpm0l03X_rms vs Slug



Right In: 2659.686+/-0.729 χ^2/NDF : 7035817.6/30

Left Out: 18190.387+/-3.590 χ^2/NDF : 5261328.5/24

Right Out: 2746.995+/-0.761 χ^2/NDF : 9079684.0/33

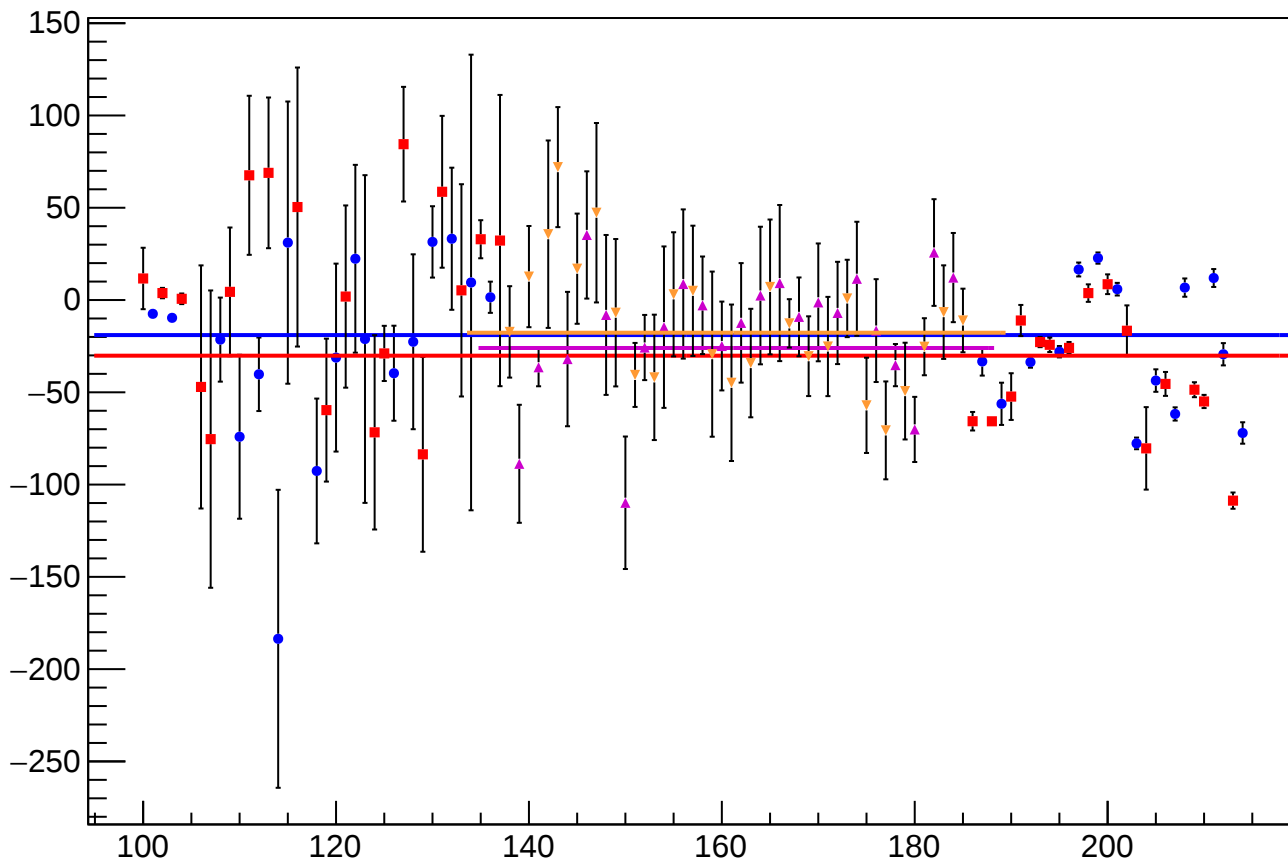
Left In: 16713.653+/-3.553 χ^2/NDF : 6194178.8/22

+ sign 3274.644+/-0.714 χ^2/NDF : 30268388.8/55

All: 3315.121+/-0.515 χ^2/NDF : 60320793.2/100

- sign 3359.000+/-0.744 χ^2/NDF : 30045714.6/56

diff_bpm0l03Y_mean vs Slug



Right In: -18.991 ± 0.927 $\chi^2/\text{NDF}: 1090.6/30$

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

Right Out: -30.157 ± 0.970 $\chi^2/\text{NDF}: 1083.7/33$

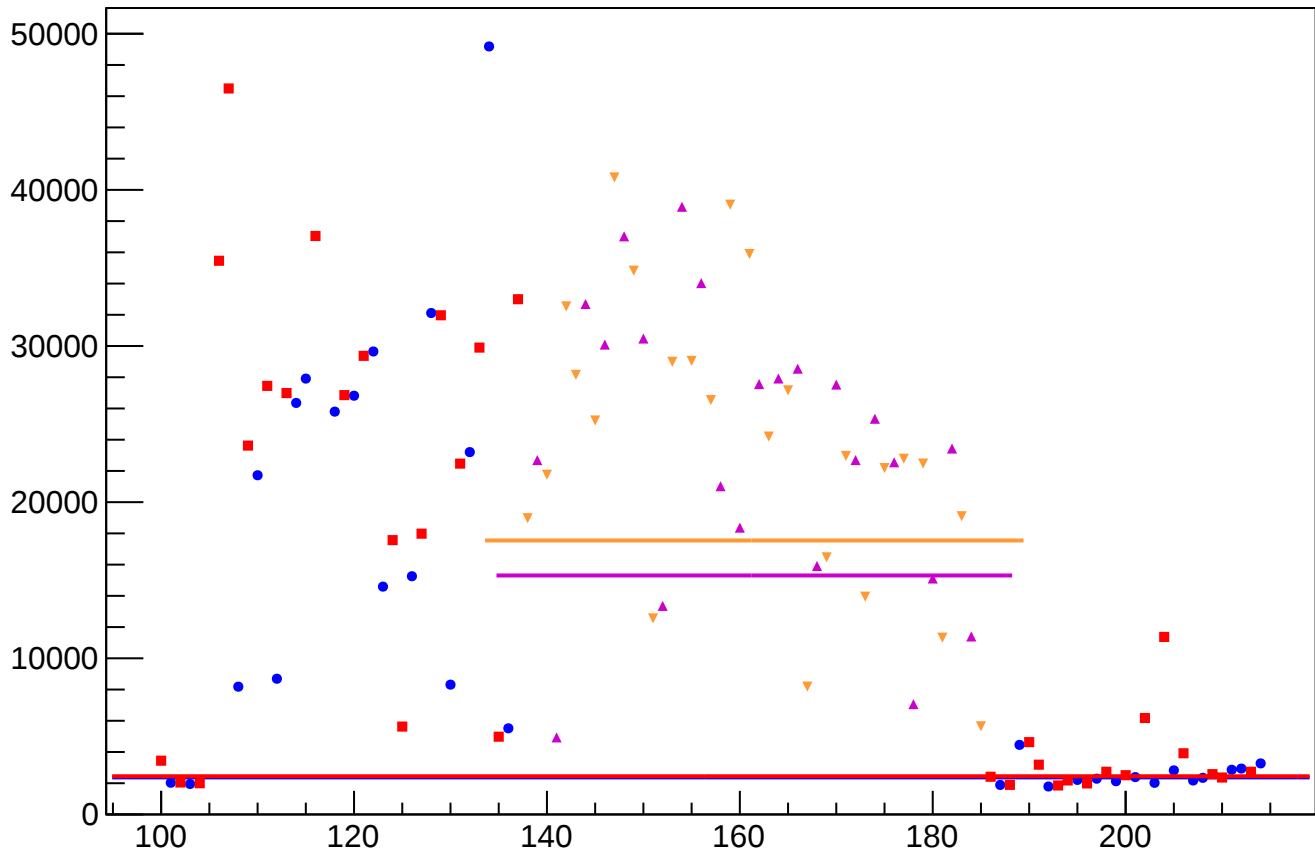
Left In: -25.991 ± 4.789 $\chi^2/\text{NDF}: 32.6/22$

+ sign -18.948 ± 0.911 $\chi^2/\text{NDF}: 1117.9/55$

All: -24.238 ± 0.658 $\chi^2/\text{NDF}: 2305.2/112$

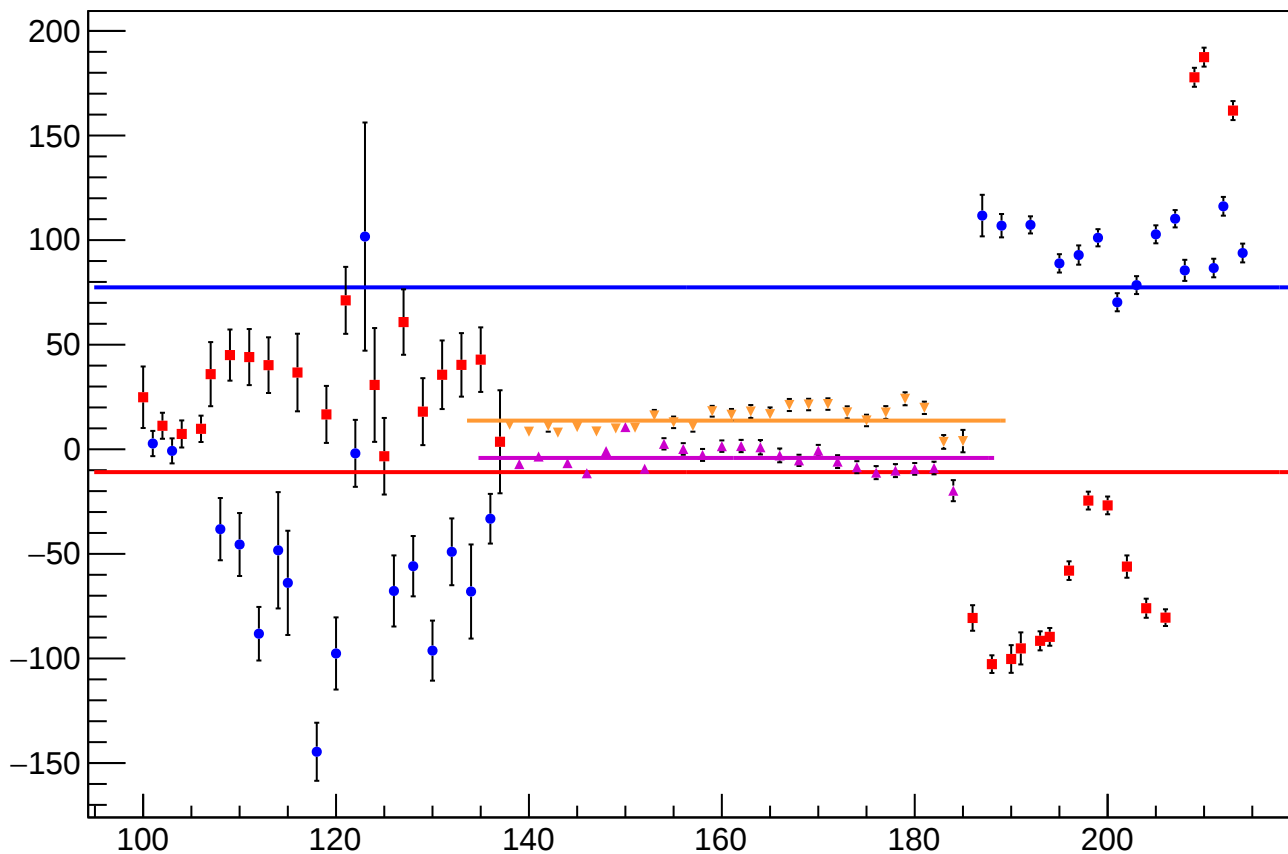
- sign -29.993 ± 0.951 $\chi^2/\text{NDF}: 1117.0/56$

diff_bpm0l03Y_rms vs Slug



Right In: 2373.500+/-0.655	χ^2/NDF : 5905122.1/30	+ sign 2882.743+/-0.644	χ^2/NDF : 29791327.1/55
Left Out: 17546.173+/-3.517	χ^2/NDF : 5902620.4/24	All: 2916.251+/-0.465	χ^2/NDF : 60130601.1/100
Right Out: 2446.077+/-0.686	χ^2/NDF : 8759716.6/33	- sign 2952.708+/-0.672	χ^2/NDF : 30333628.0/56
Left In: 15305.311+/-3.386	χ^2/NDF : 7721177.0/22		

diff_bpm0l04X_mean vs Slug



Right In: 77.412 ± 1.131 χ^2/NDF : 1890.0/30

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

Right Out: -10.916 ± 1.105 χ^2/NDF : 7572.6/33

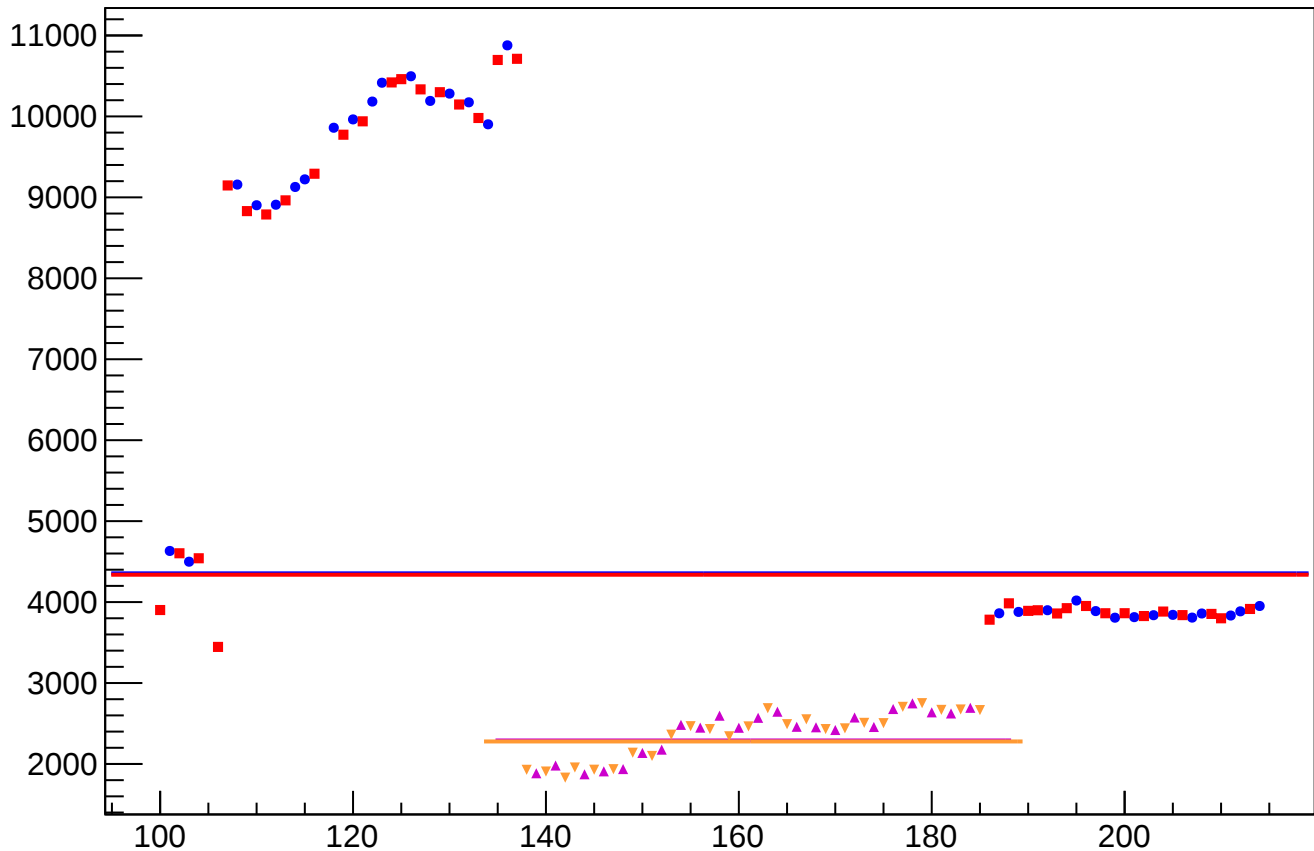
Left In: -4.141 ± 0.555 χ^2/NDF : 111.7/22

+ sign 25.374 ± 0.484 χ^2/NDF : 4573.5/55

All: 10.315 ± 0.346 χ^2/NDF : 14274.7/112

- sign -5.505 ± 0.496 χ^2/NDF : 7714.2/56

diff_bpm0l04X_rms vs Slug



Right In: 4355.080+/-0.799 χ^2/NDF : 3841414.8/30

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

Right Out: 4338.046+/-0.781 χ^2/NDF : 3867491.6/33

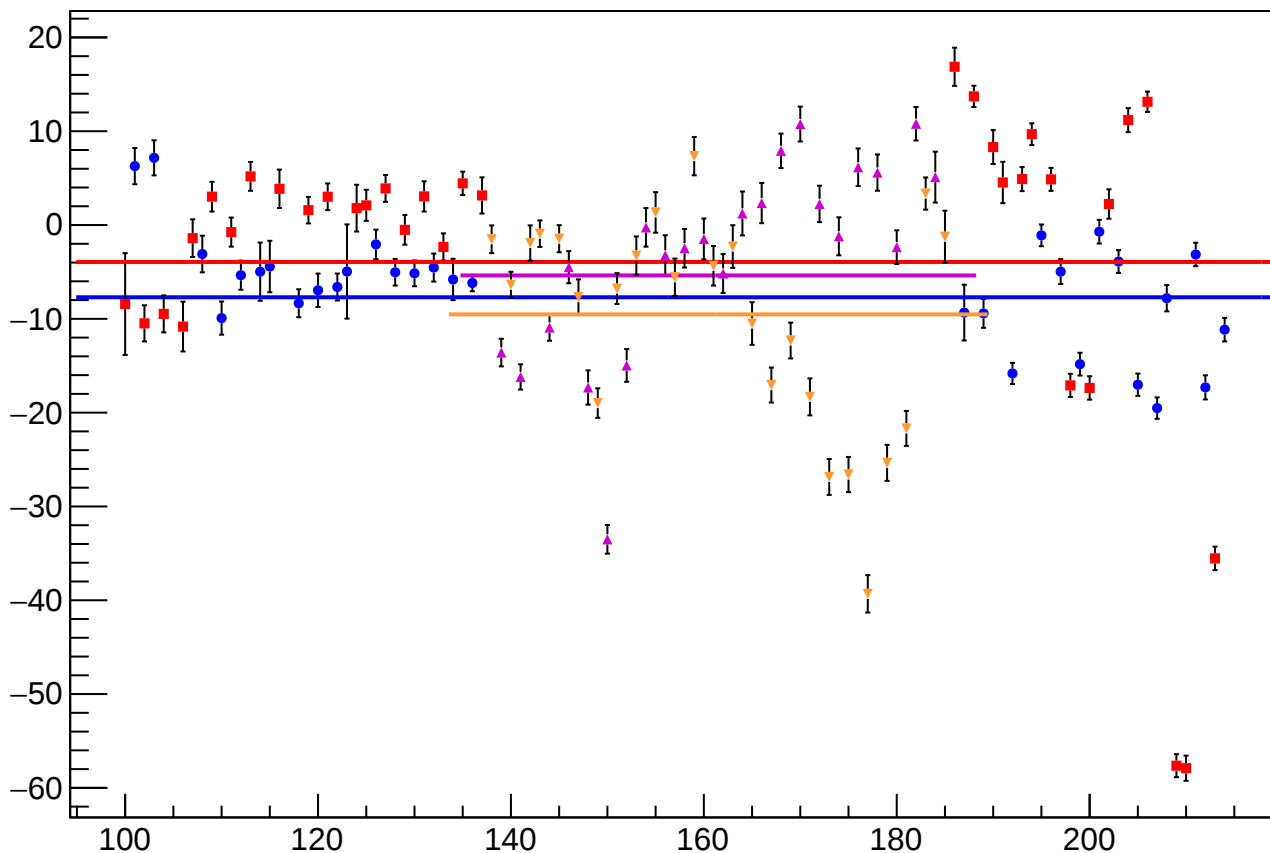
Left In: 2290.461+/-0.392 χ^2/NDF : 590272.1/22

+ sign 2658.428+/-0.342 χ^2/NDF : 9962772.2/55

All: 2680.006+/-0.245 χ^2/NDF : 19912943.9/100

- sign 2702.672+/-0.351 χ^2/NDF : 9942013.0/56

diff_bpm0l04Y_mean vs Slug



Right In: -7.701 ± 0.259 χ^2/NDF : 567.3/30

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

Right Out: -3.936 ± 0.257 χ^2/NDF : 5734.9/33

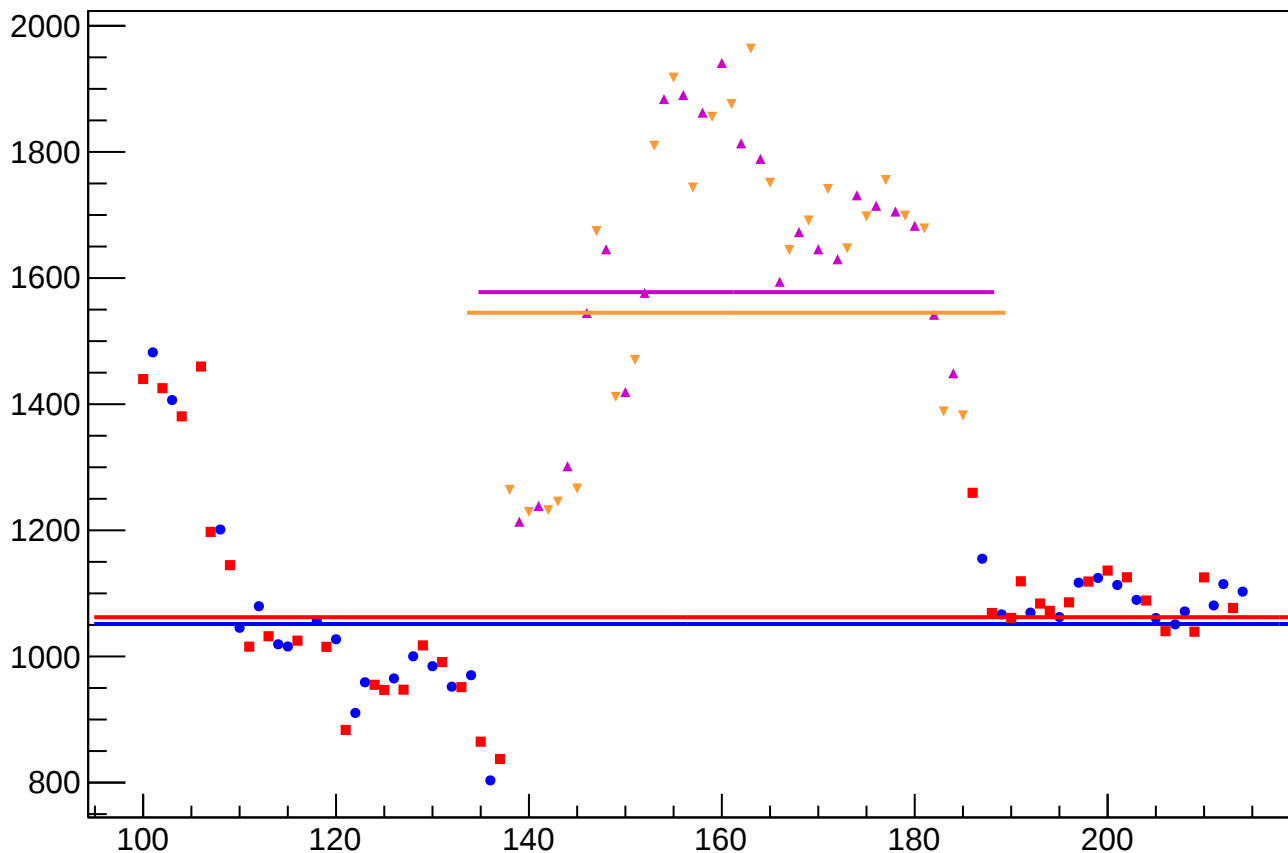
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -8.311 ± 0.211 χ^2/NDF : 1468.0/55

All: -6.367 ± 0.150 χ^2/NDF : 8254.1/112

- sign -4.381 ± 0.213 χ^2/NDF : 6614.4/56

diff_bpm0l04Y_rms vs Slug



Right In: 1051.459 $\pm$ 0.183 χ^2 /NDF: 421671.1/30

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

Right Out: 1062.247 $\pm$ 0.181 χ^2 /NDF: 393148.0/33

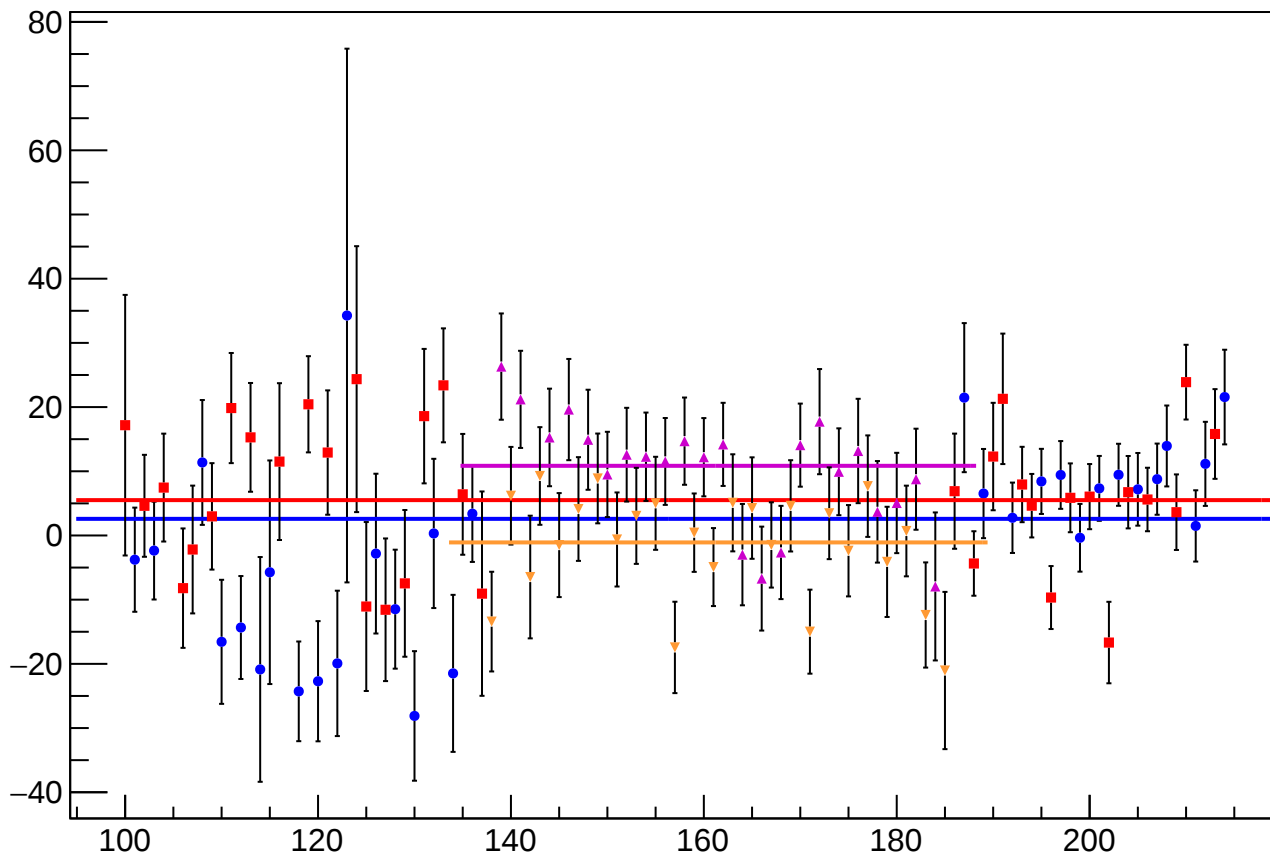
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1216.538 $\pm$ 0.149 χ^2 /NDF: 3701665.3/55

All: 1219.252 $\pm$ 0.106 χ^2 /NDF: 7221626.0/11

- sign 1222.023 $\pm$ 0.151 χ^2 /NDF: 3519291.8/56

diff_bpm0l05X_mean vs Slug



Right In: 2.589 ± 1.303 χ^2/NDF : 74.4/30

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

Right Out: 5.506 ± 1.261 χ^2/NDF : 66.0/33

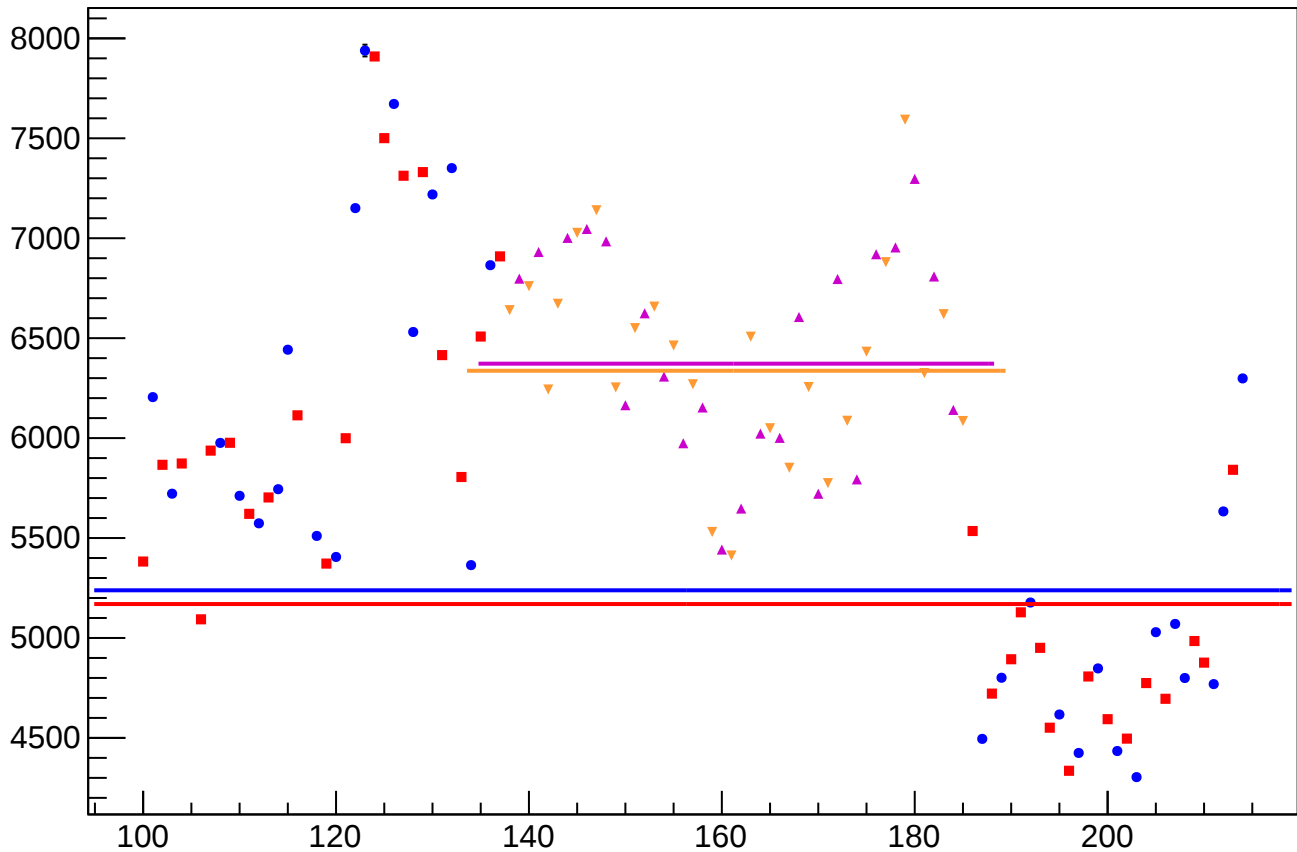
Left In: 10.851 ± 1.542 χ^2/NDF : 24.4/22

+ sign 0.994 ± 0.980 χ^2/NDF : 105.4/55

All: 4.335 ± 0.691 χ^2/NDF : 226.1/112

- sign 7.648 ± 0.976 χ^2/NDF : 97.5/56

diff_bpm0l05X_rms vs Slug



Right In: 5238.481+/-0.921 χ^2/NDF : 795997.5/30

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

Right Out: 5169.736+/-0.891 χ^2/NDF : 673196.7/33

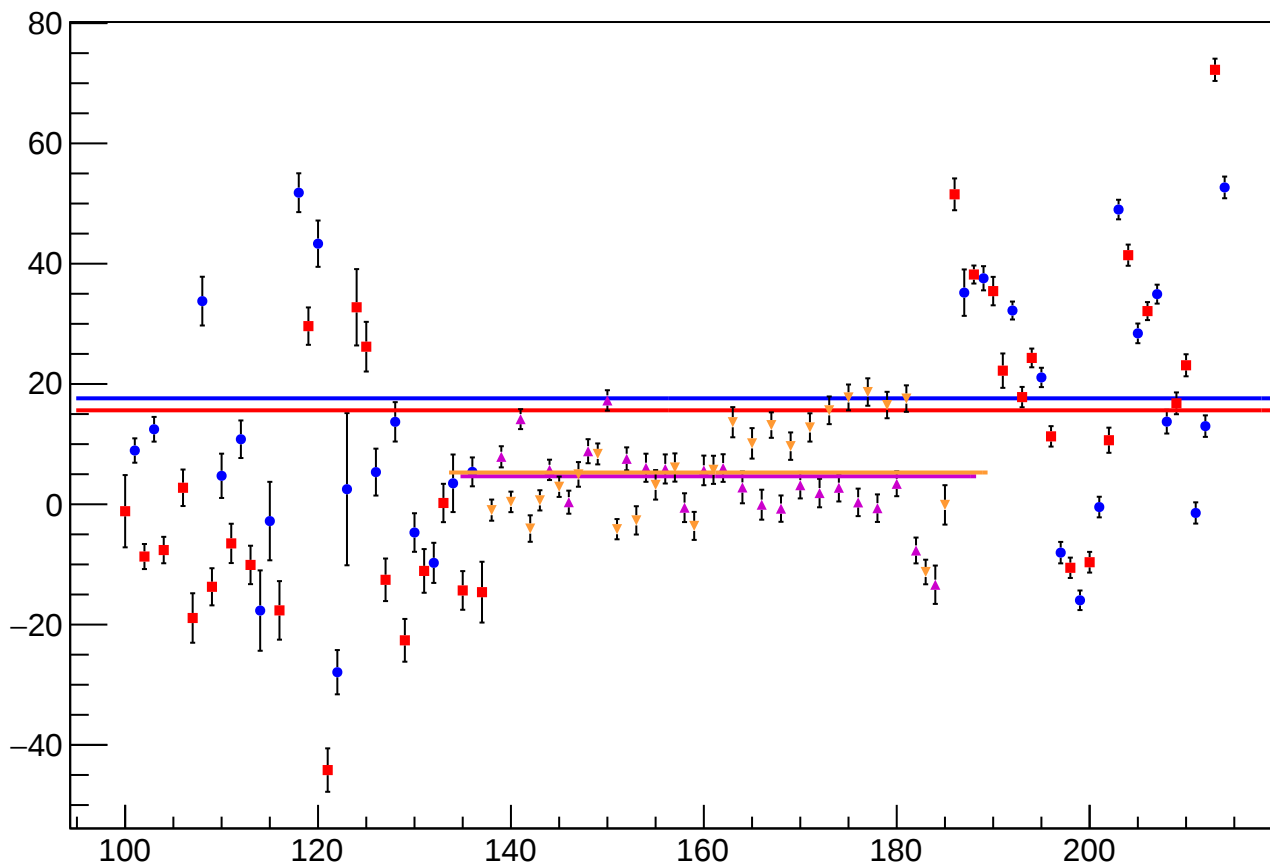
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

+ sign 5715.455+/-0.693 χ^2/NDF : 1636163.4/55

All: 5683.389+/-0.489 χ^2/NDF : 3290305.9/11

- sign 5651.594+/-0.690 χ^2/NDF : 1649878.1/56

diff_bpm0l05Y_mean vs Slug



Right In: 17.616 $\pm$ 0.405 χ^2 /NDF: 2574.0/30

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

Right Out: 15.622 $\pm$ 0.399 χ^2 /NDF: 3555.1/33

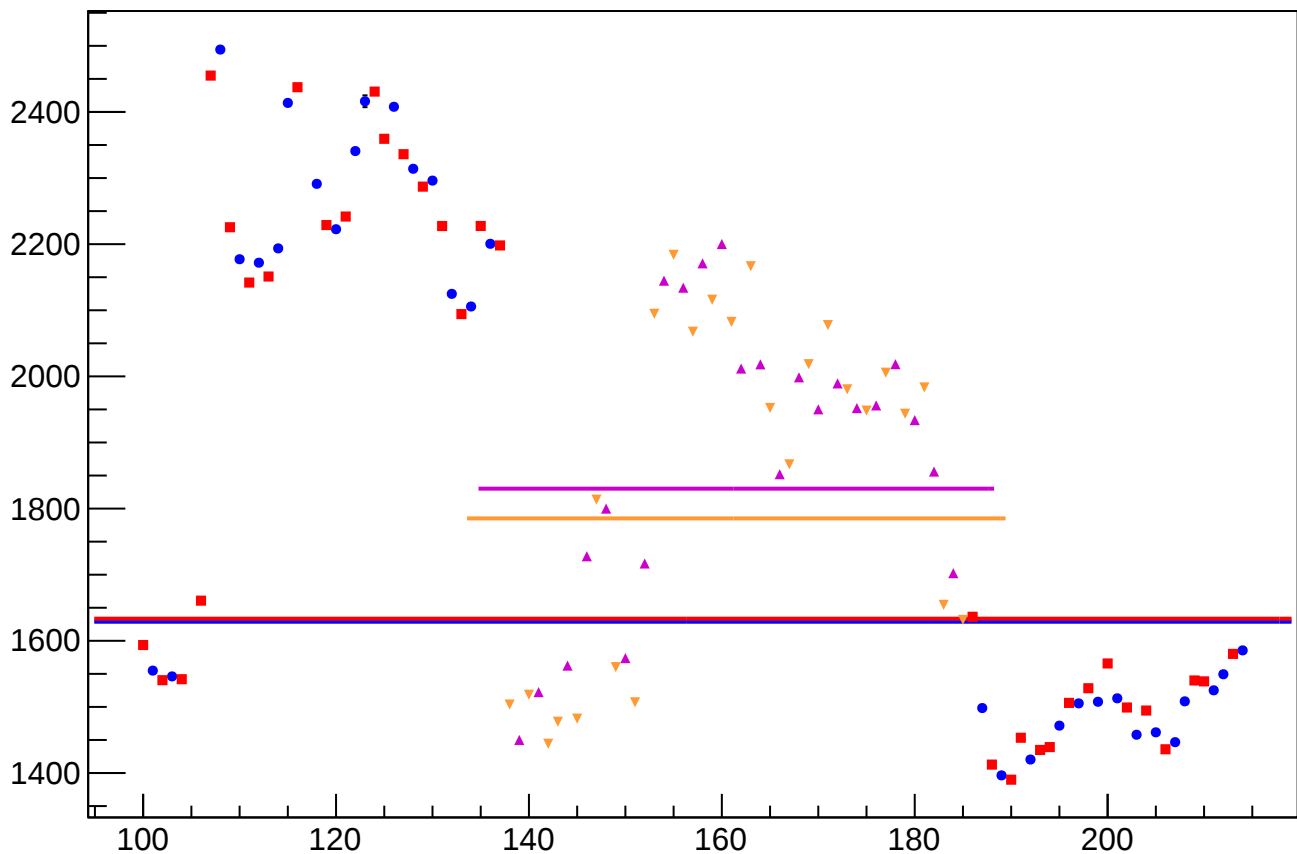
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF: 196.5/22

+ sign 11.690 $\pm$ 0.292 χ^2 /NDF: 3386.4/55

All: 11.211 $\pm$ 0.208 χ^2 /NDF: 7481.5/112

- sign 10.716 $\pm$ 0.297 χ^2 /NDF: 4089.6/56

diff_bpm0l05Y_rms vs Slug



Right In: 1628.888+/-0.286 χ^2/NDF : 1097432.0/30

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

Right Out: 1633.454+/-0.282 χ^2/NDF : 1096595.1/33

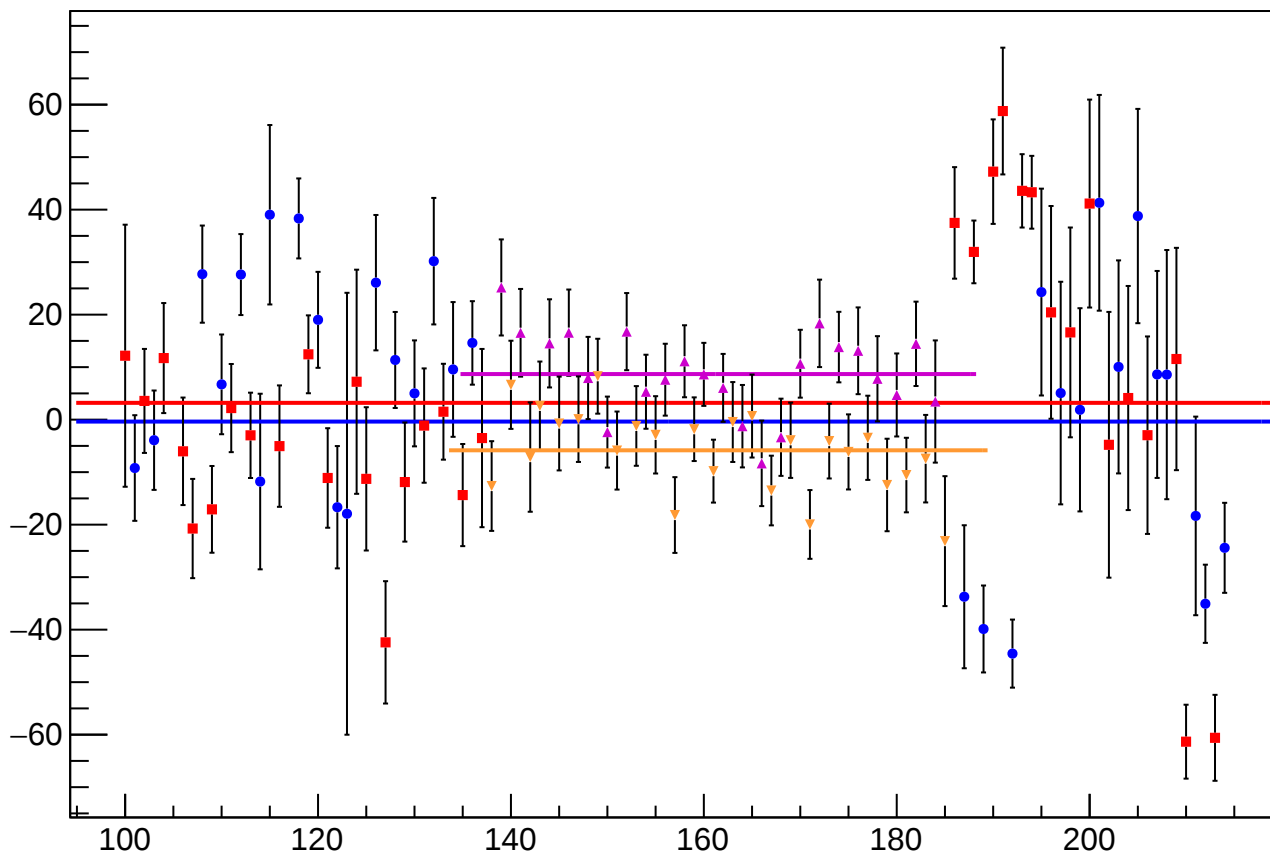
Left In: 1830.160+/-0.313 χ^2/NDF : 508391.9/22

+ sign 1703.996+/-0.206 χ^2/NDF : 1991449.5/55

All: 1712.585+/-0.147 χ^2/NDF : 3817527.3/11

- sign 1721.467+/-0.210 χ^2/NDF : 1822549.0/56

diff_bpm0l06X_mean vs Slug



Right In: -0.367 ± 1.967 χ^2/NDF : 194.6/30

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

Right Out: 3.200 ± 1.751 χ^2/NDF : 332.1/33

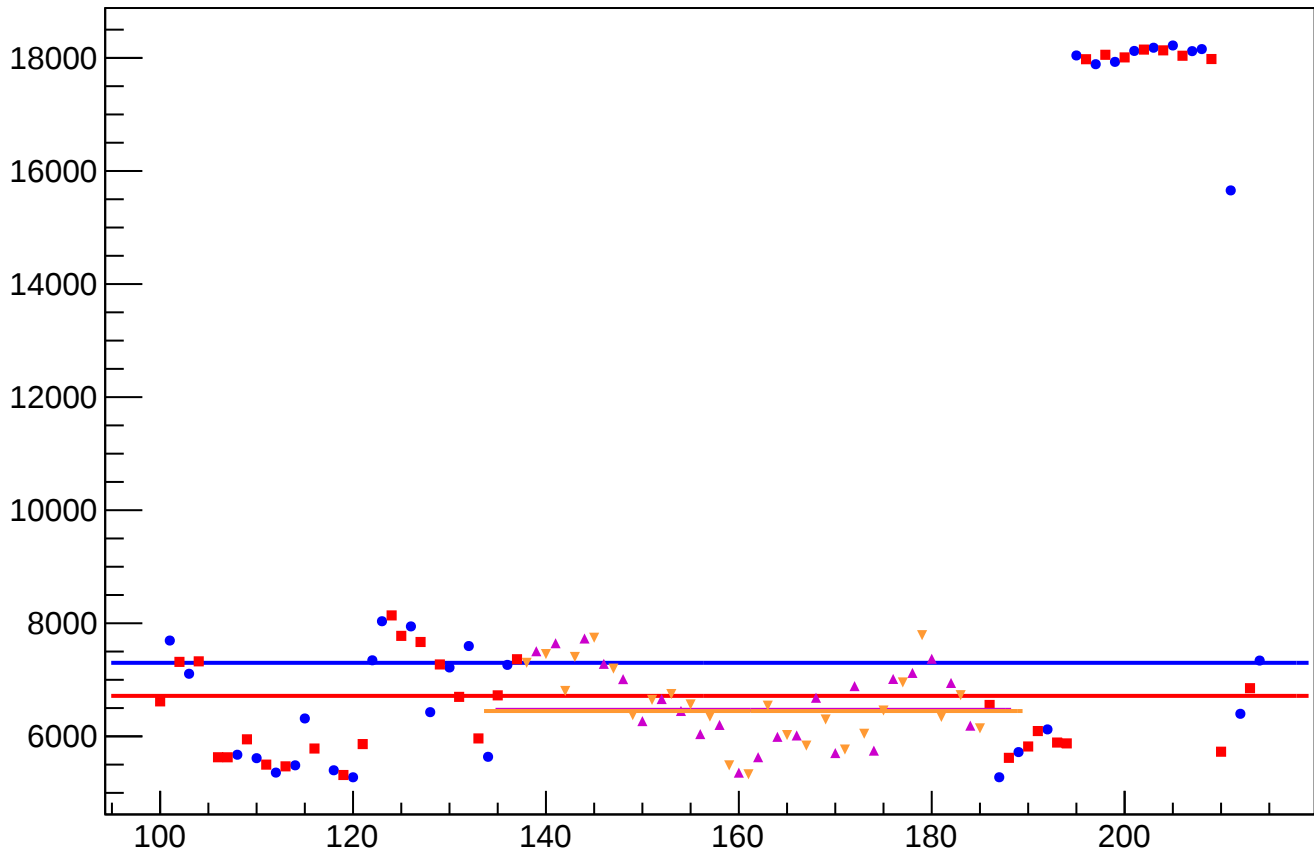
Left In: 8.683 ± 1.571 χ^2/NDF : 21.9/22

+ sign -3.796 ± 1.202 χ^2/NDF : 222.8/55

All: 1.359 ± 0.838 χ^2/NDF : 618.0/112

- sign 6.239 ± 1.169 χ^2/NDF : 359.4/56

diff_bpm0l06X_rms vs Slug



Right In: 7300.432+/-1.391 χ^2/NDF : 5590884.0/30

Left Out: 6447.712+/-1.074 χ^2/NDF : 371671.1/24

Right Out: 6715.758+/-1.238 χ^2/NDF : 4696207.3/33

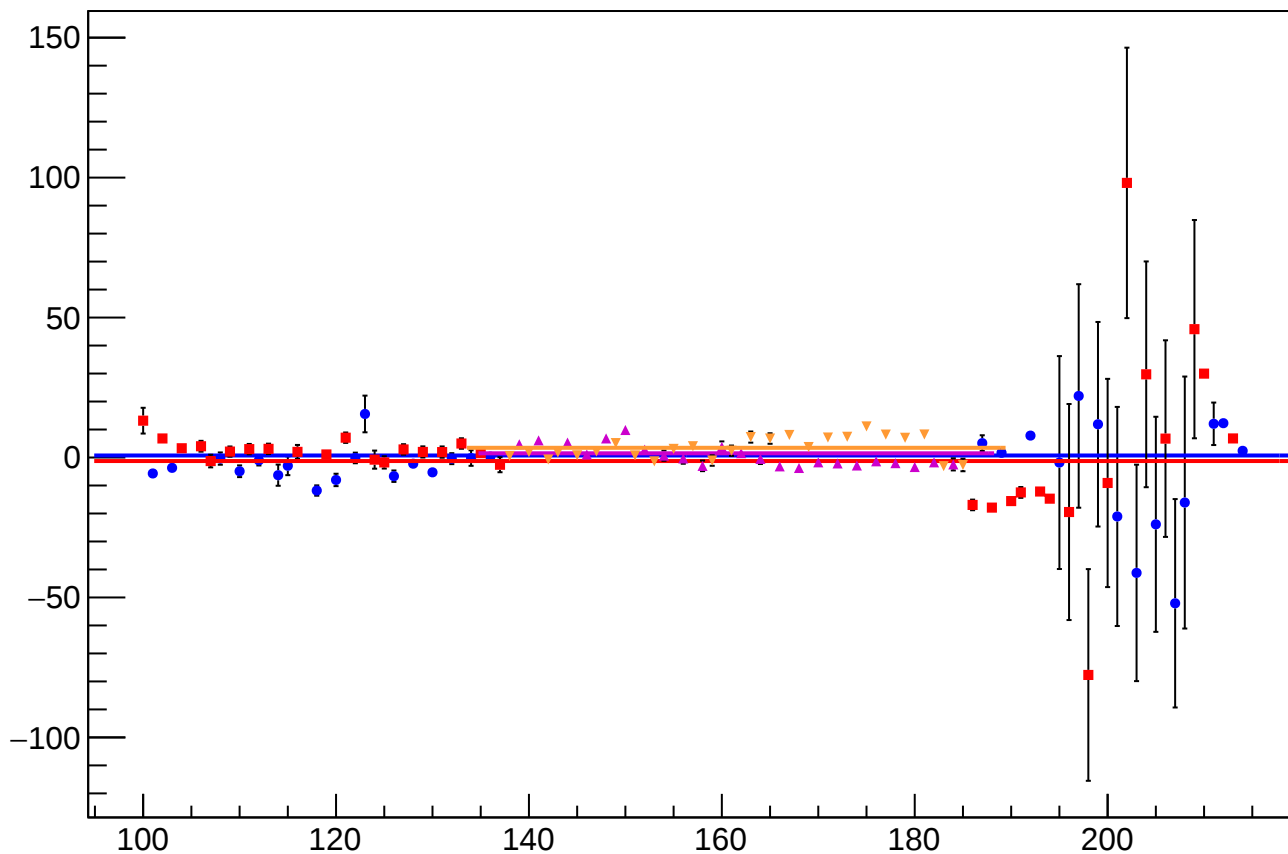
Left In: 6468.902+/-1.111 χ^2/NDF : 383325.4/22

+ sign 6766.172+/-0.850 χ^2/NDF : 6198155.9/55

All: 6669.989+/-0.593 χ^2/NDF : 11324650.8/100

- sign 6578.955+/-0.827 χ^2/NDF : 5101559.9/56

diff_bpm0l06Y_mean vs Slug



Right In: 0.724 ± 0.362 χ^2/NDF : 292.4/30

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

Right Out: -1.261 ± 0.328 χ^2/NDF : 1362.3/33

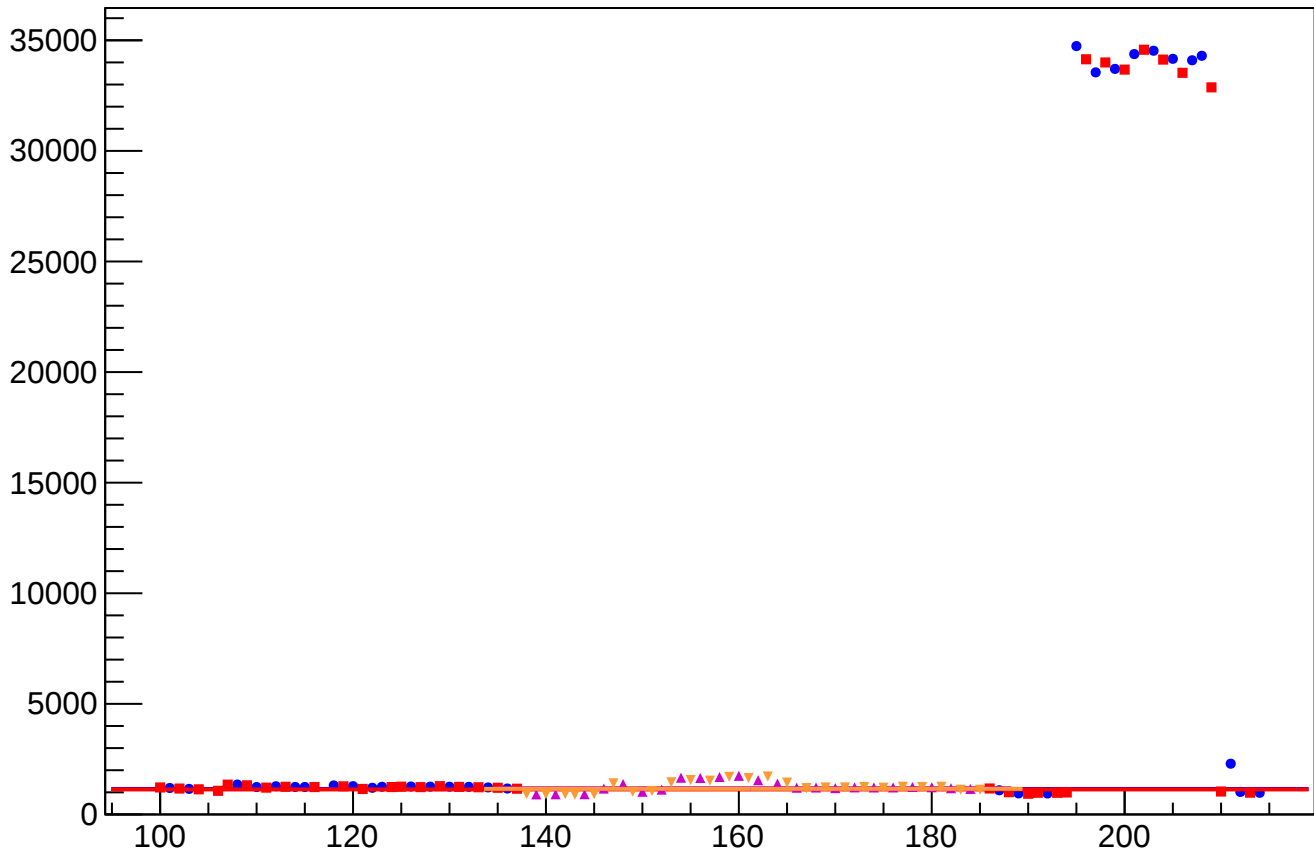
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.460 ± 0.220 χ^2/NDF : 504.7/55

All: 1.362 ± 0.155 χ^2/NDF : 2158.9/112

- sign 0.287 ± 0.218 χ^2/NDF : 1604.8/56

diff_bpm0l06Y_rms vs Slug



Right In: 1152.211 $\pm$ 0.256 χ^2 /NDF: 11851099.5/30

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

Right Out: 1130.673 $\pm$ 0.232 χ^2 /NDF: 10113709.2/33

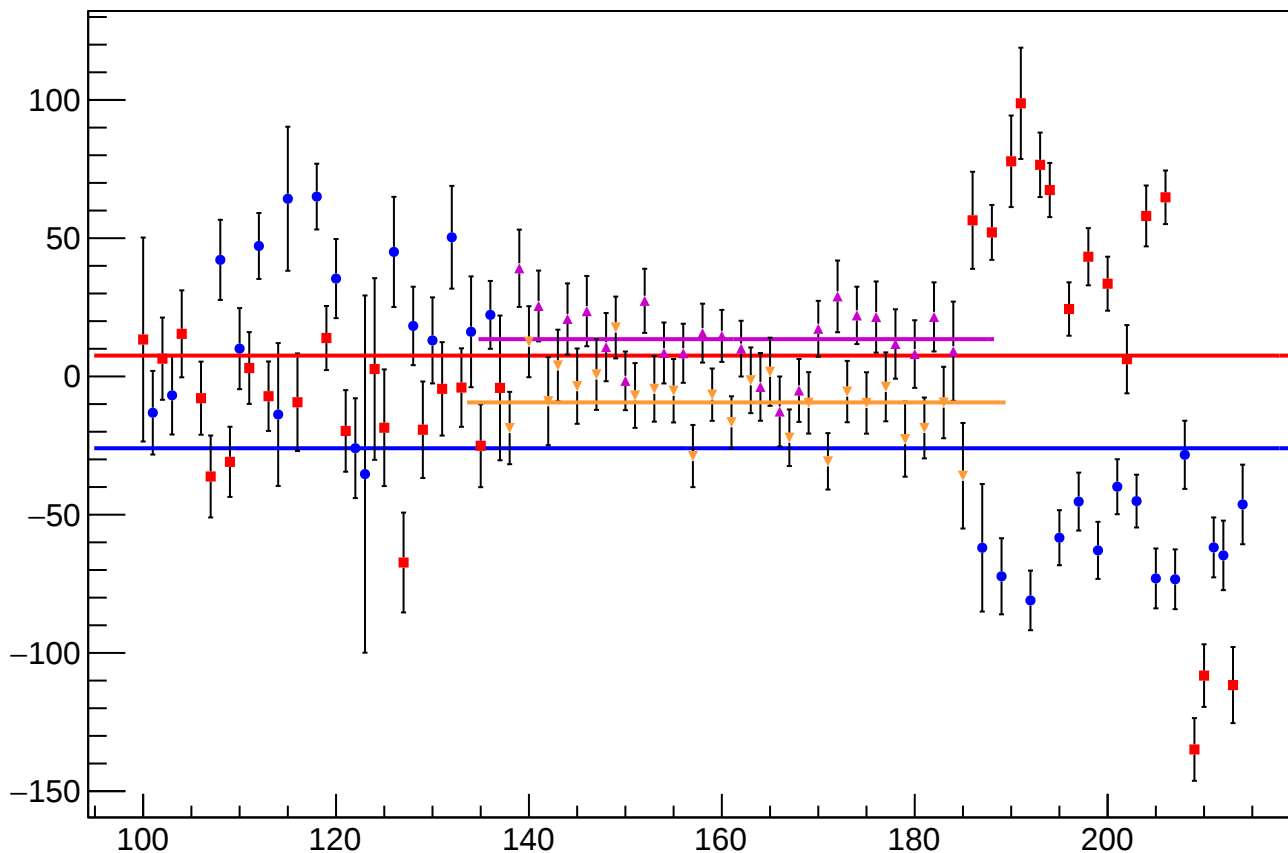
Left In: 1184.966 $\pm$ 0.206 χ^2 /NDF: 1190431.5/22

+ sign 1156.434 $\pm$ 0.155 χ^2 /NDF: 13261953.6/55

All: 1158.784 $\pm$ 0.109 χ^2 /NDF: 24597243.1/100

- sign 1161.087 $\pm$ 0.154 χ^2 /NDF: 11334836.6/56

diff_bpm0l07X_mean vs Slug



Right In: -25.968 ± 2.381 χ^2/NDF : 356.2/30

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

Right Out: 7.538 ± 2.286 χ^2/NDF : 607.0/33

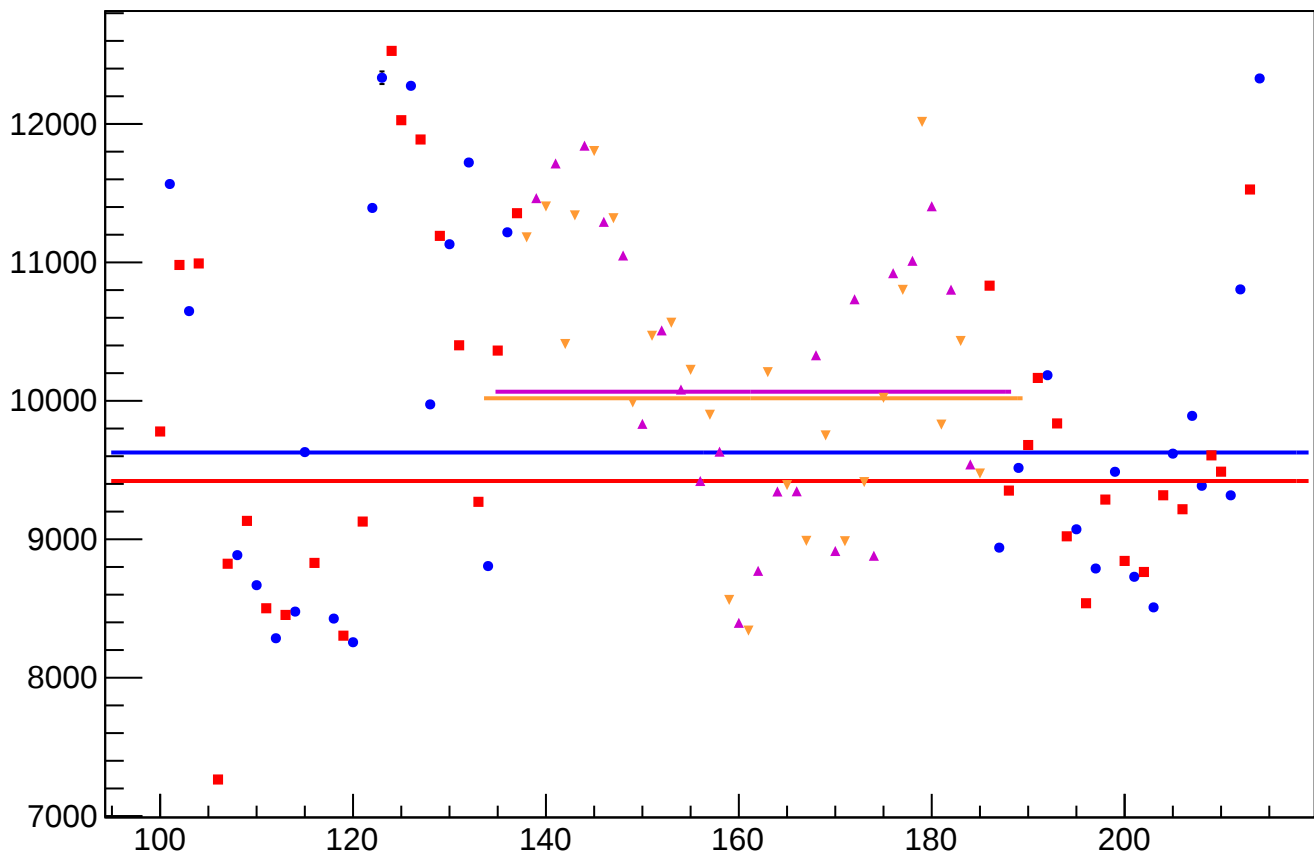
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign -17.606 ± 1.675 χ^2/NDF : 406.9/55

All: -3.592 ± 1.182 χ^2/NDF : 1178.0/112

- sign 10.314 ± 1.669 χ^2/NDF : 631.7/56

diff_bpm0l07X_rms vs Slug



Right In: 9626.886 $\pm$ 1.683 χ^2 /NDF: 427389.4/30

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

Right Out: 9420.983 $\pm$ 1.616 χ^2 /NDF: 375675.6/33

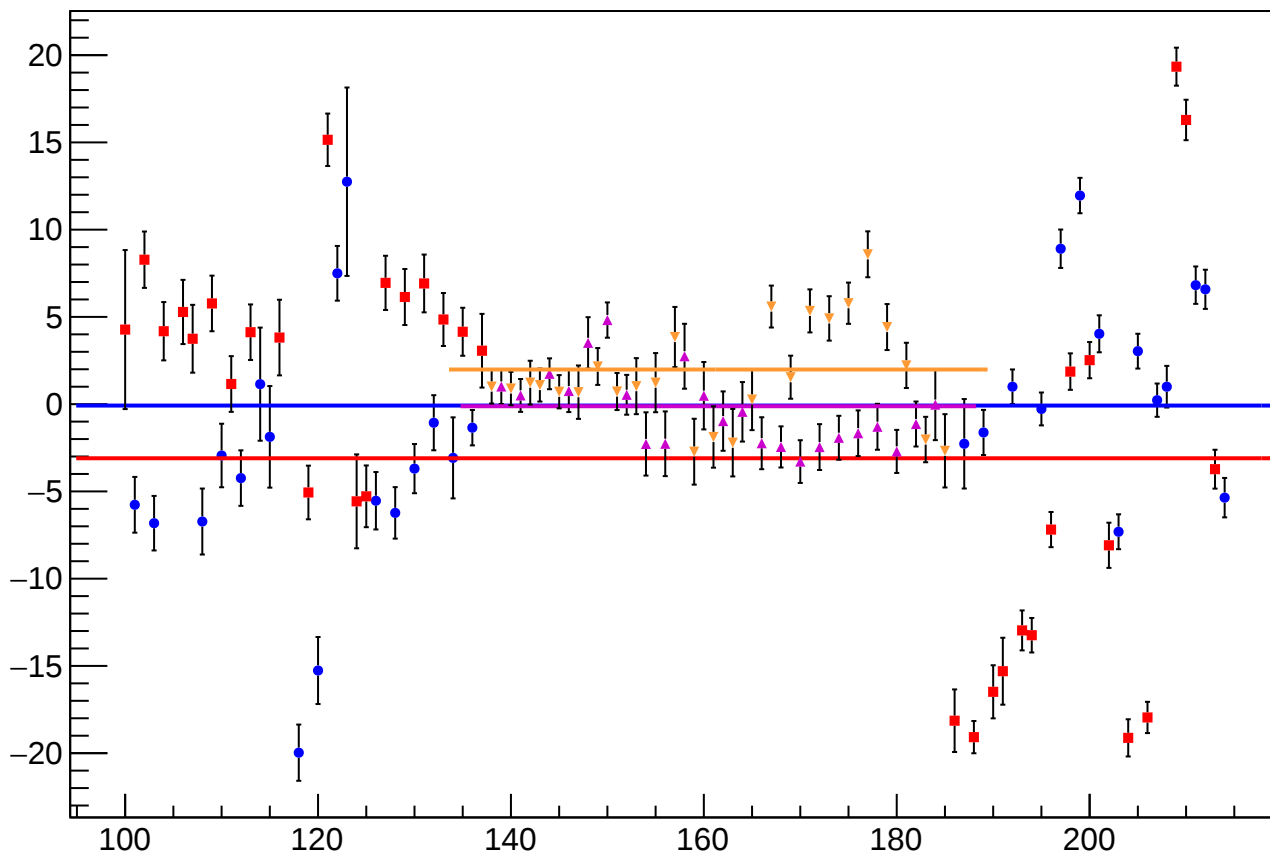
Left In: 10065.909 $\pm$ 1.727 χ^2 /NDF:357868.9/22

+ sign 9824.550 $\pm$ 1.185 χ^2 /NDF: 799246.7/55

All: 9773.102 $\pm$ 0.836 χ^2 /NDF: 1610874.4/11

- sign 9722.048 $\pm$ 1.180 χ^2 /NDF: 807870.5/56

diff_bpm0l07Y_mean vs Slug



Right In: -0.080 ± 0.237 χ^2/NDF : 723.5/30

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

Right Out: -3.101 ± 0.233 χ^2/NDF : 2456.3/33

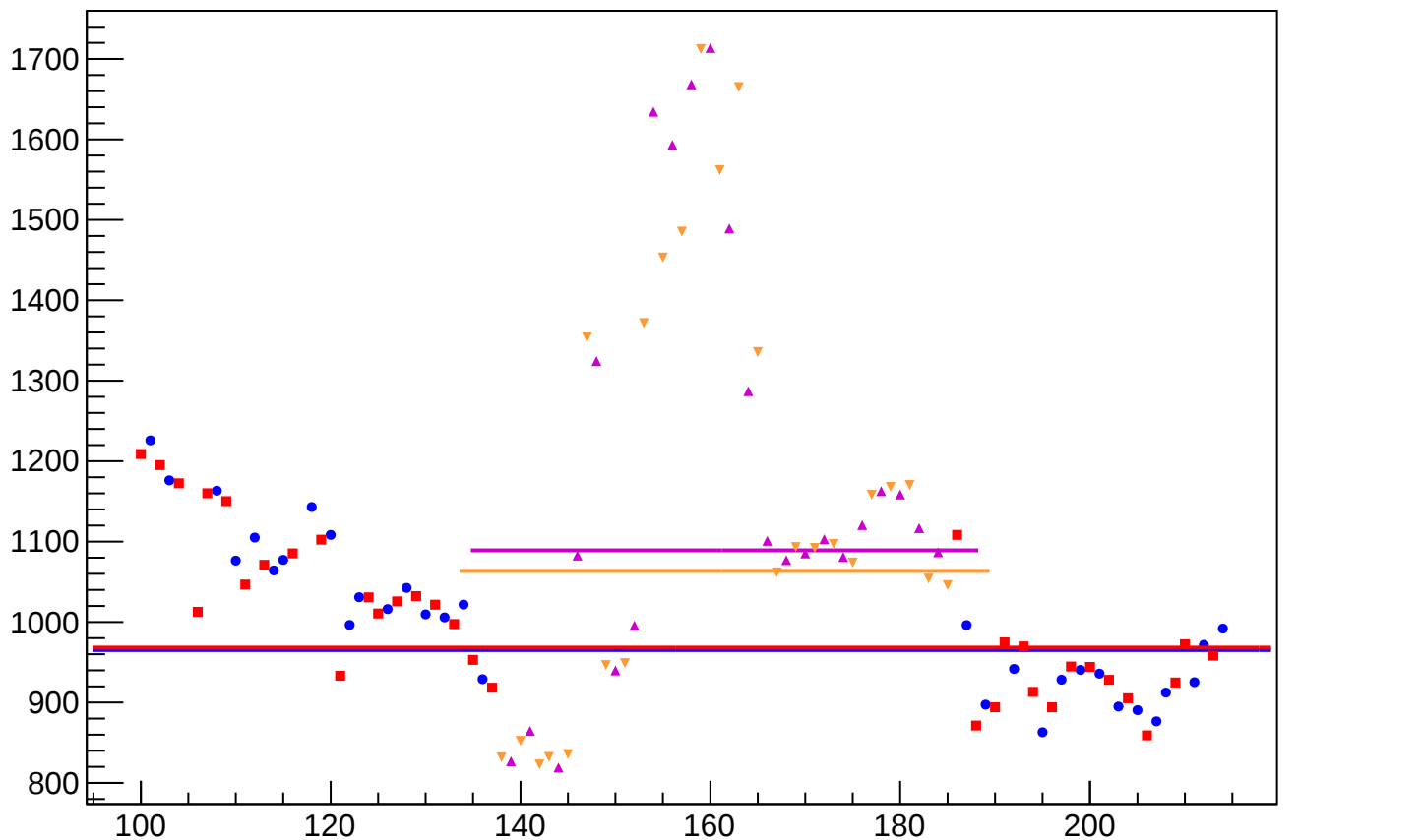
Left In: -0.120 ± 0.269 χ^2/NDF : 67.6/22

+ sign 0.877 ± 0.173 χ^2/NDF : 860.0/55

All: -0.449 ± 0.124 χ^2/NDF : 3572.7/112

- sign -1.818 ± 0.176 χ^2/NDF : 2594.0/56

diff_bpm0l07Y_rms vs Slug



Right In: 965.282 $\pm$ 0.167 χ^2 /NDF: 272173.5/30

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

Right Out: 968.218 $\pm$ 0.165 χ^2 /NDF: 269475.7/33

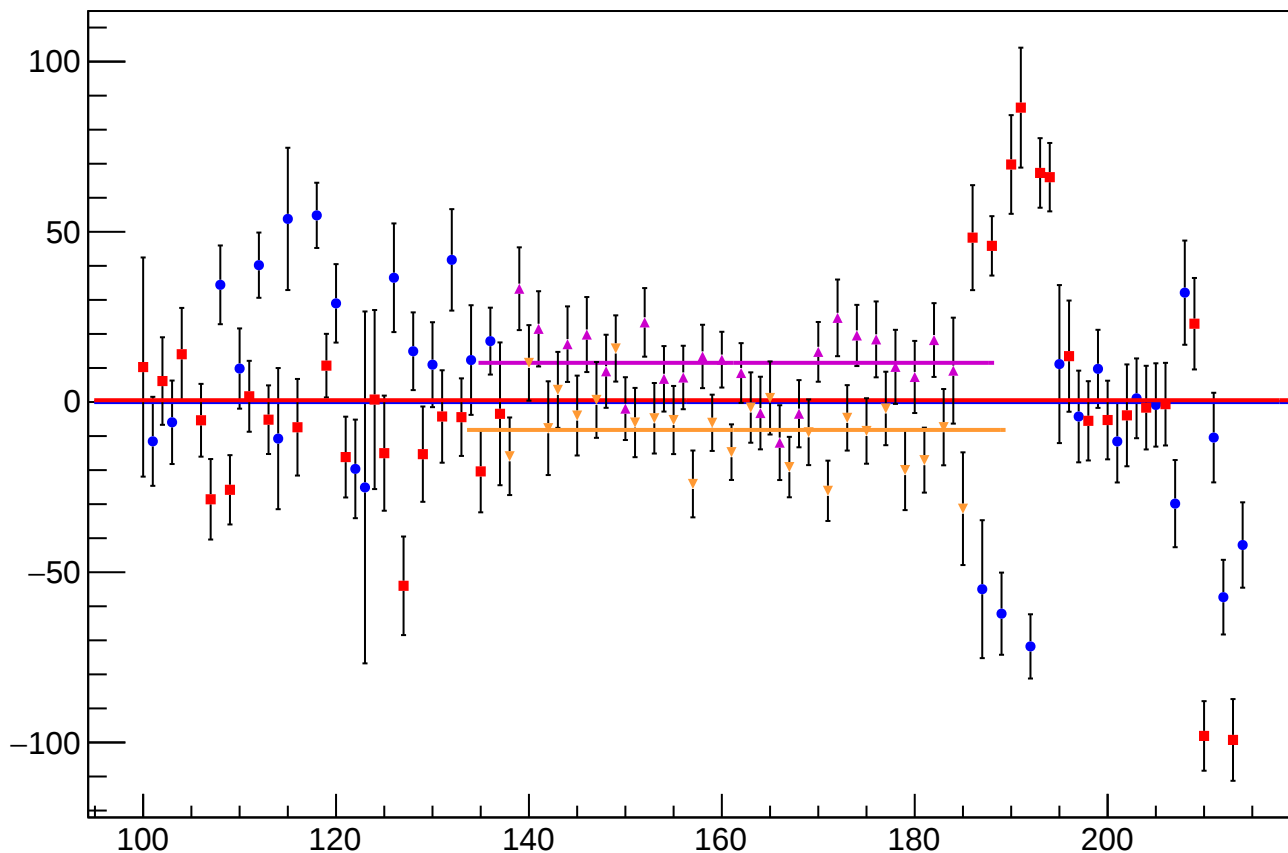
Left In: 1089.154 $\pm$ 0.190 χ^2 /NDF:1430478.5/22

+ sign 1010.852 $\pm$ 0.123 χ^2 /NDF: 2049298.0/55

All: 1015.477 $\pm$ 0.087 χ^2 /NDF: 3982983.6/11

- sign 1020.251 $\pm$ 0.125 χ^2 /NDF: 1930796.3/56

diff_bpm0l08X_mean vs Slug



Right In: -0.016 ± 2.293 χ^2/NDF : 238.5/30

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

Right Out: 0.532 ± 2.127 χ^2/NDF : 372.6/33

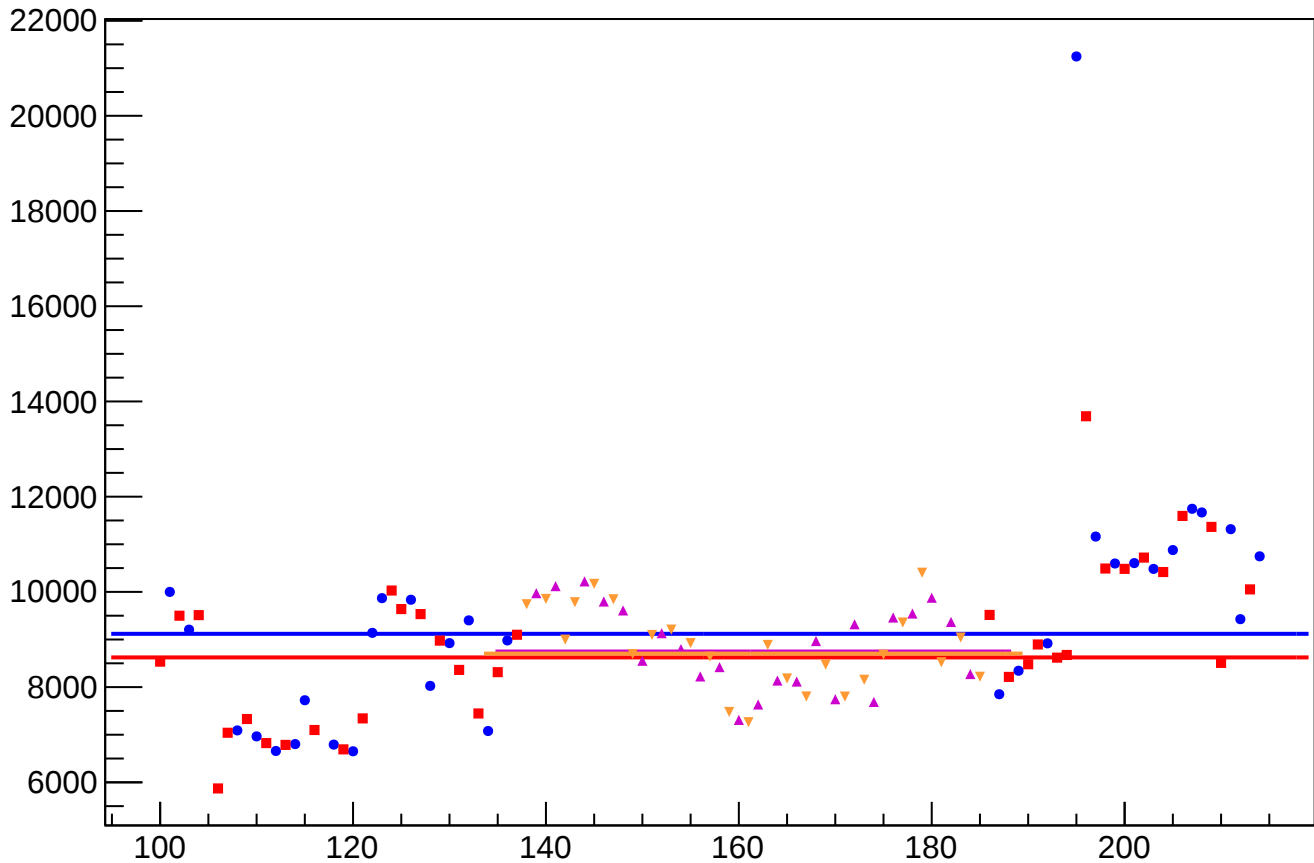
Left In: 11.515 ± 2.122 χ^2/NDF : 21.0/22

+ sign -4.565 ± 1.528 χ^2/NDF : 271.7/55

All: 0.824 ± 1.071 χ^2/NDF : 703.1/112

- sign 6.035 ± 1.502 χ^2/NDF : 407.0/56

diff_bpm0l08X_rms vs Slug



Right In: 9119.294+/-1.622 χ^2/NDF : 1541194.8/30

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

Right Out: 8623.696+/-1.504 χ^2/NDF : 1144277.5/33

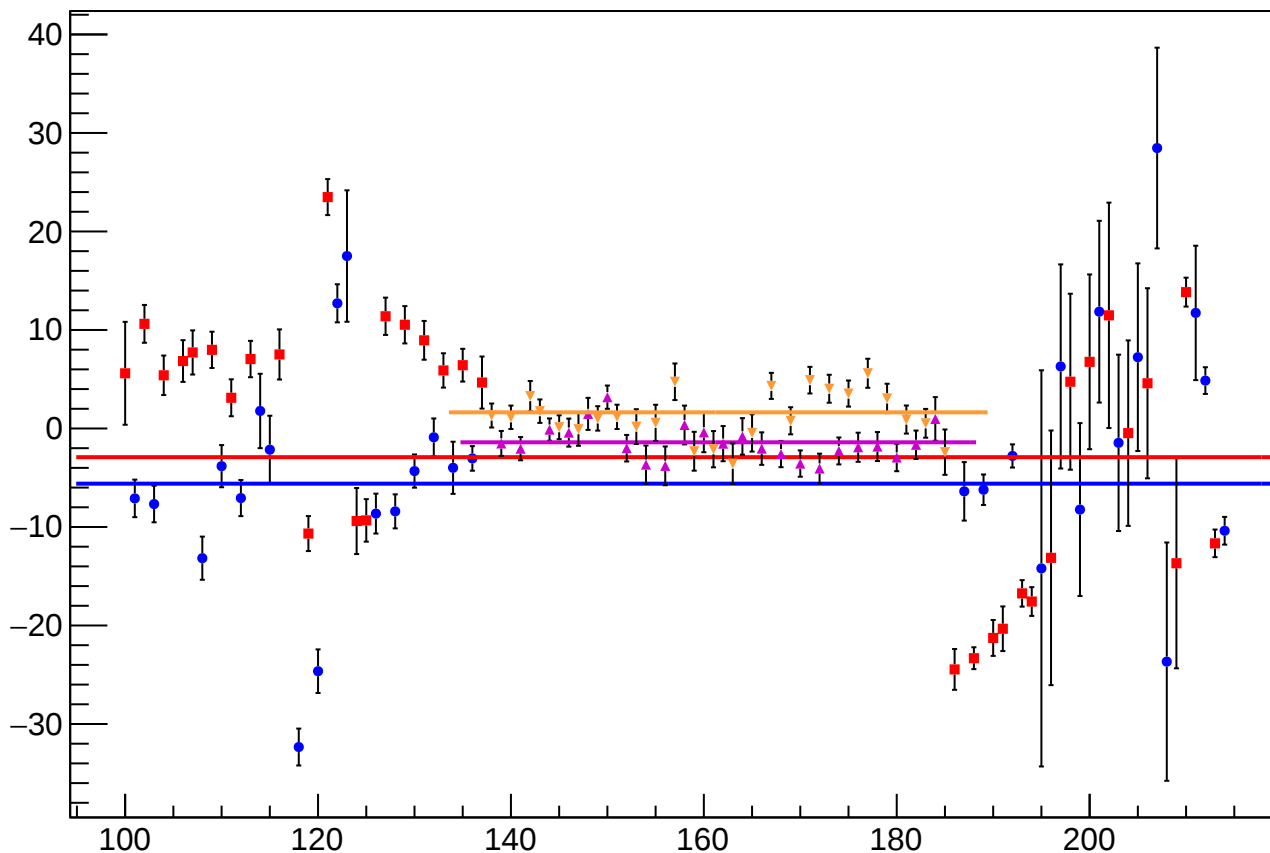
Left In: 8747.415+/-1.501 χ^2/NDF : 347110.4/22

+ sign 8888.439+/-1.080 χ^2/NDF : 1910004.6/55

All: 8785.359+/-0.757 χ^2/NDF : 3422691.3/11

- sign 8685.687+/-1.062 χ^2/NDF : 1494778.8/56

diff_bpm0l08Y_mean vs Slug



Right In: -5.602 ± 0.389 $\chi^2/\text{NDF}: 519.9/30$

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

Right Out: -2.913 ± 0.350 $\chi^2/\text{NDF}: 1642.6/33$

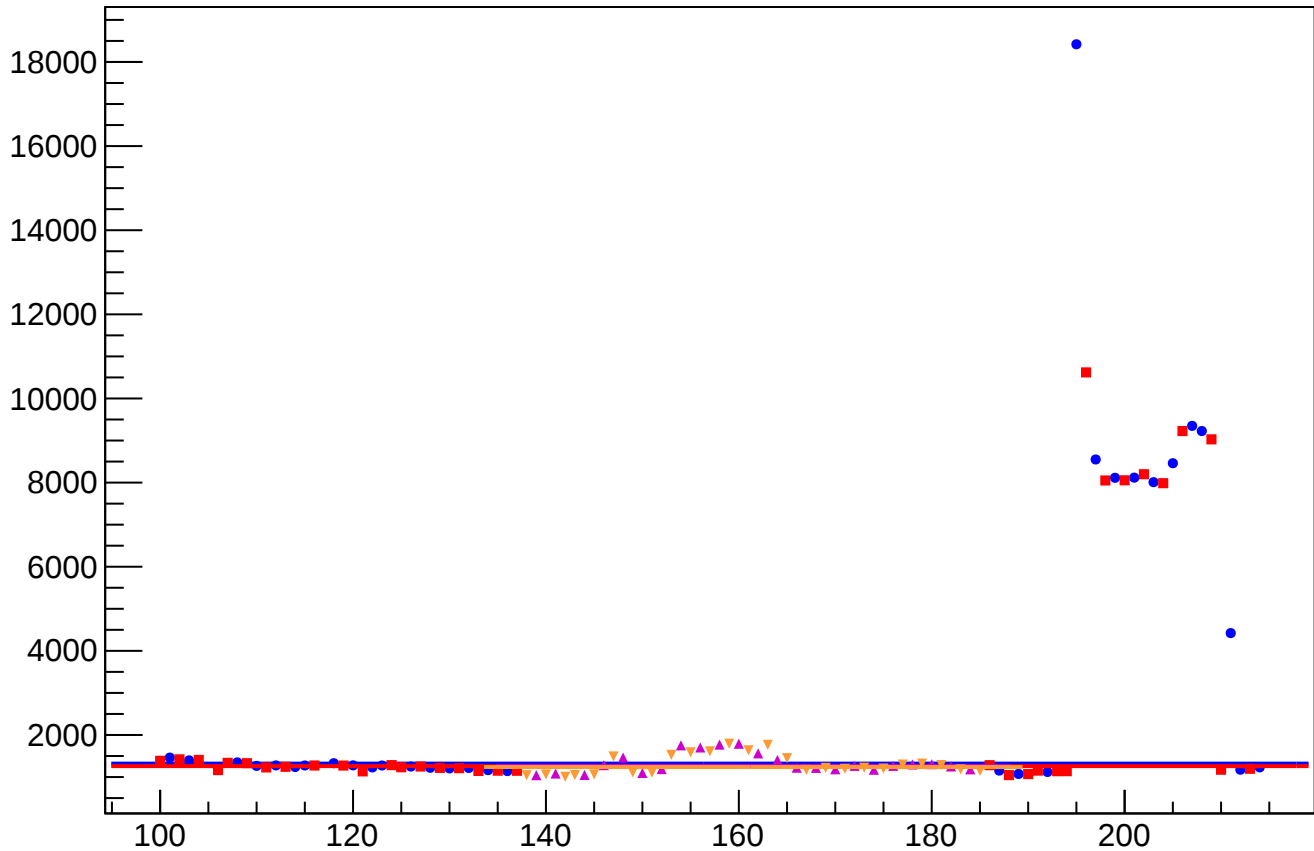
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -0.990 ± 0.234 $\chi^2/\text{NDF}: 792.1/55$

All: -1.535 ± 0.165 $\chi^2/\text{NDF}: 2490.0/112$

- sign -2.066 ± 0.232 $\chi^2/\text{NDF}: 1687.2/56$

diff_bpm0l08Y_rms vs Slug



Right In: 1318.986 $\pm$ 0.275 χ^2 /NDF: 9695695.9/30

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

Right Out: 1259.864 $\pm$ 0.247 χ^2 /NDF: 7767939.5/33

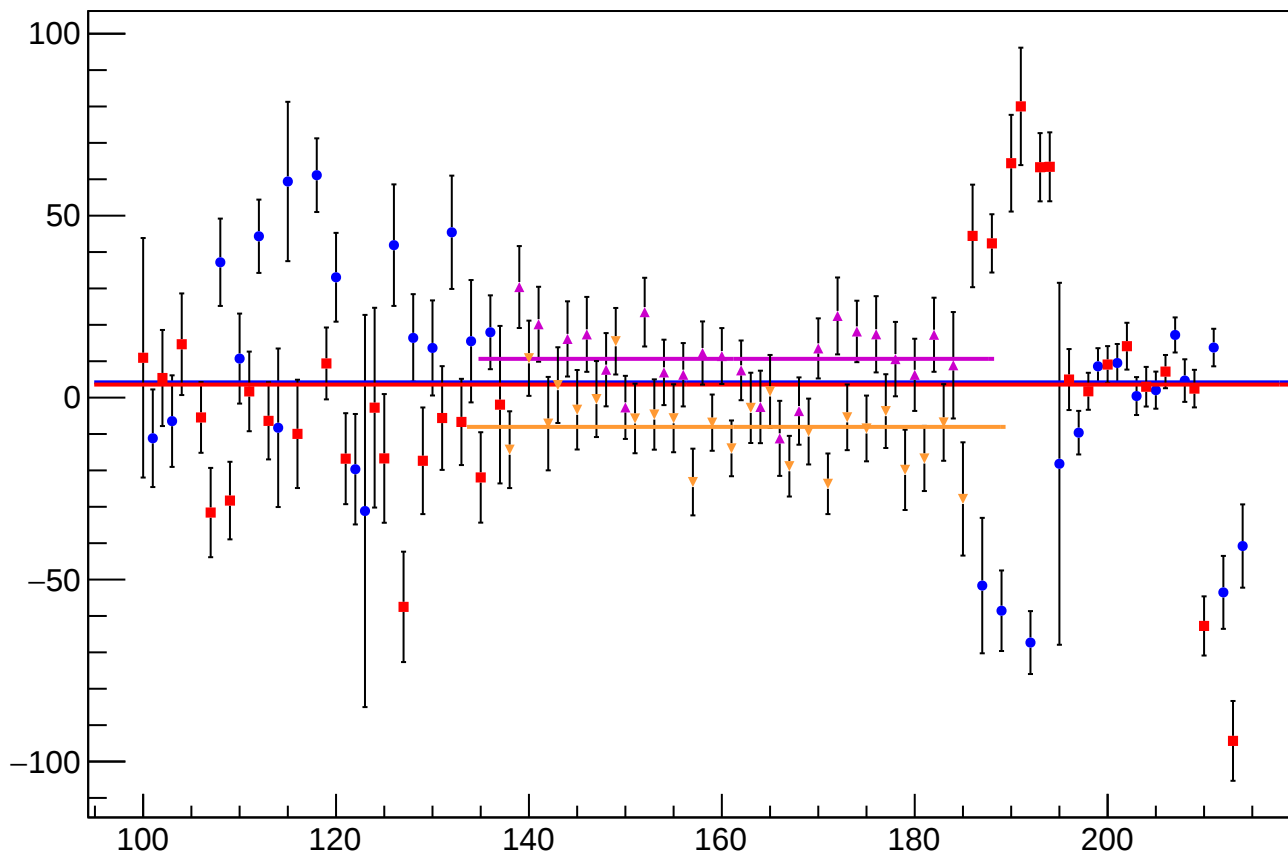
Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

+ sign 1267.688 $\pm$ 0.166 χ^2 /NDF: 10715532.5/55

All: 1265.379 $\pm$ 0.116 χ^2 /NDF: 19329322.9/100

- sign 1263.125 $\pm$ 0.164 χ^2 /NDF: 8613406.5/56

diff_bpm0l09X_mean vs Slug



Right In: 4.192 ± 1.531 $\chi^2/\text{NDF}: 265.5/30$

Left Out: -8.042 ± 1.918 $\chi^2/\text{NDF}: 26.3/24$

Right Out: 3.586 ± 1.540 $\chi^2/\text{NDF}: 355.3/33$

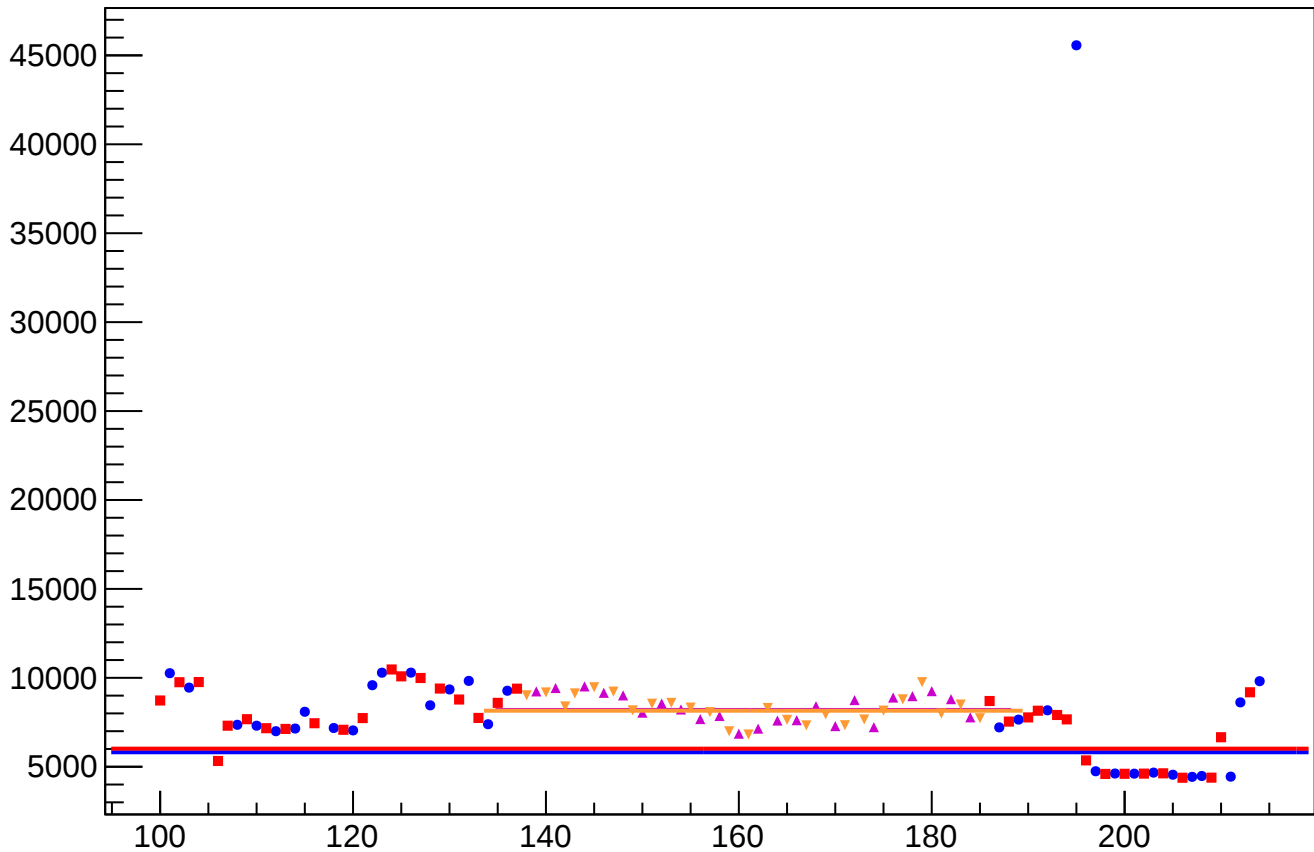
Left In: 10.653 ± 1.988 $\chi^2/\text{NDF}: 21.4/22$

+ sign -0.569 ± 1.197 $\chi^2/\text{NDF}: 316.6/55$

All: 2.775 ± 0.853 $\chi^2/\text{NDF}: 717.2/112$

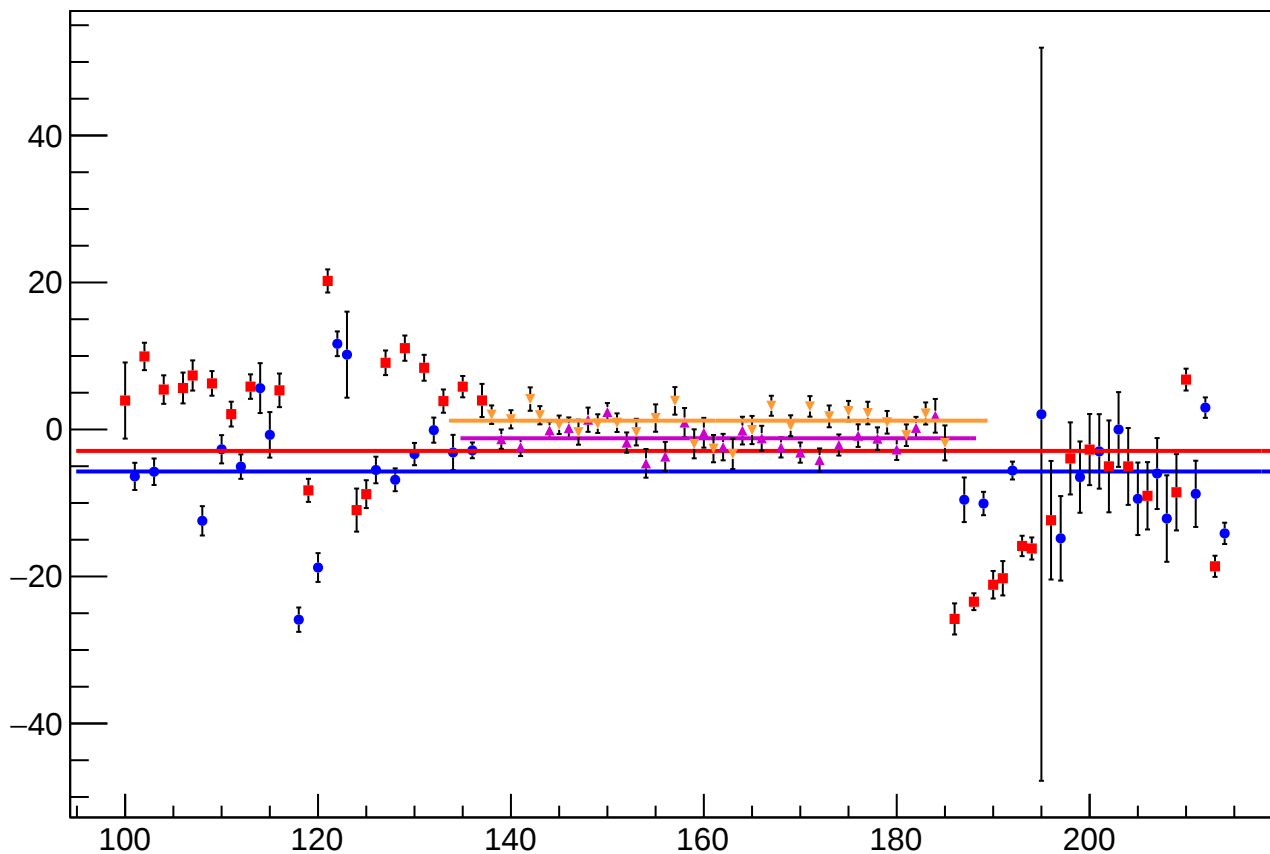
- sign 6.236 ± 1.217 $\chi^2/\text{NDF}: 384.6/56$

diff_bpm0l09X_rms vs Slug



Right In: 5814.703+/-1.083	χ^2/NDF : 4276457.1/30	+ sign 6724.055+/-0.846	χ^2/NDF : 6411430.7/55
Left Out: 8151.489+/-1.356	χ^2/NDF : 321803.3/24	All: 6777.923+/-0.603	χ^2/NDF : 10973559.0/1
Right Out: 6017.637+/-1.089	χ^2/NDF : 2717282.9/33	- sign 6833.659+/-0.861	χ^2/NDF : 4553881.2/56
Left In: 8193.636+/-1.405	χ^2/NDF : 338377.6/22		

diff_bpm0l09Y_mean vs Slug



Right In: -5.715 ± 0.360 $\chi^2/\text{NDF}: 444.9/30$

Left Out: 1.203 ± 0.302 $\chi^2/\text{NDF}: 29.9/24$

Right Out: -2.914 ± 0.330 $\chi^2/\text{NDF}: 1574.7/33$

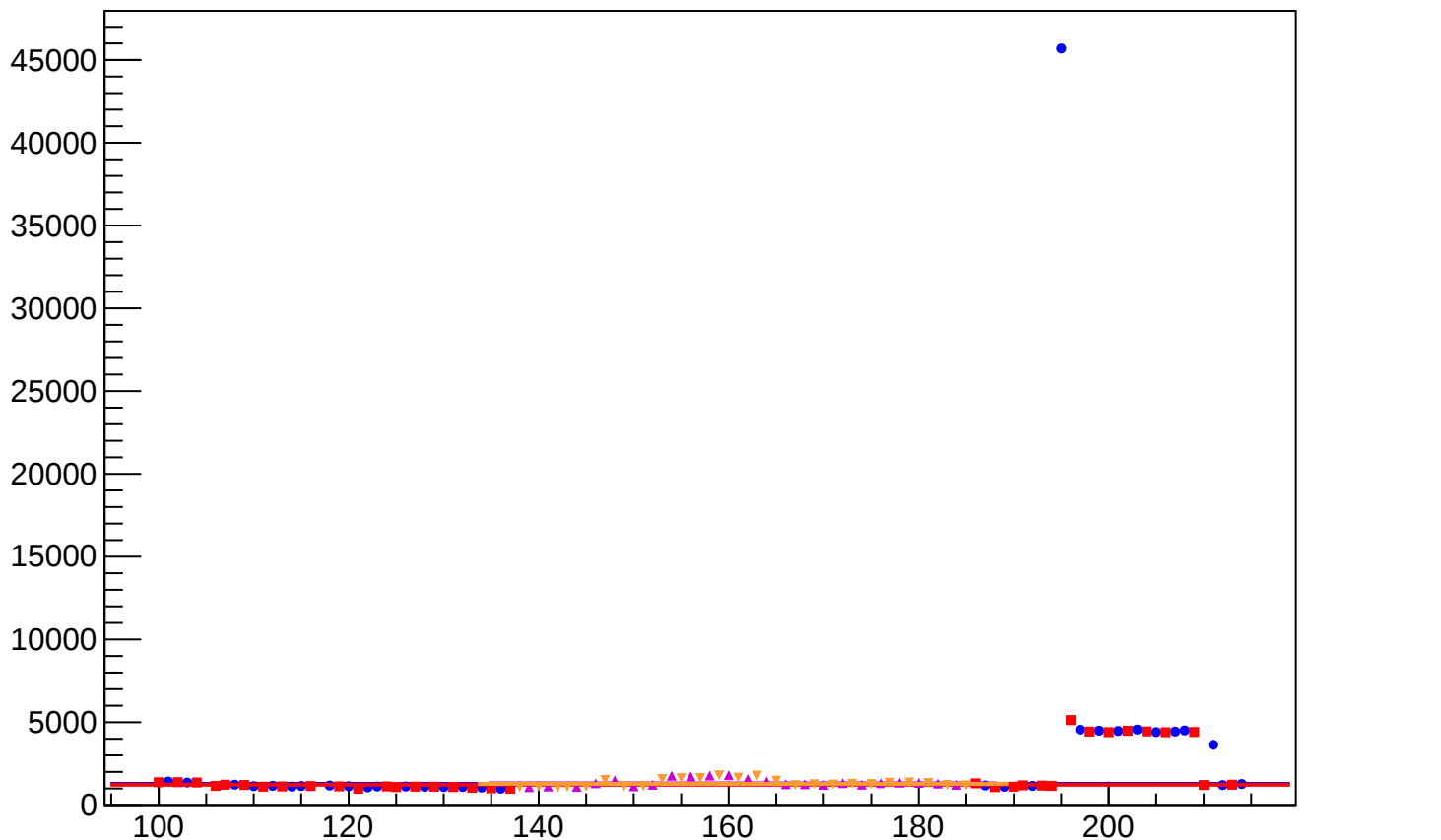
Left In: -1.198 ± 0.318 $\chi^2/\text{NDF}: 31.2/22$

+ sign -1.658 ± 0.232 $\chi^2/\text{NDF}: 691.2/55$

All: -1.844 ± 0.163 $\chi^2/\text{NDF}: 2312.4/112$

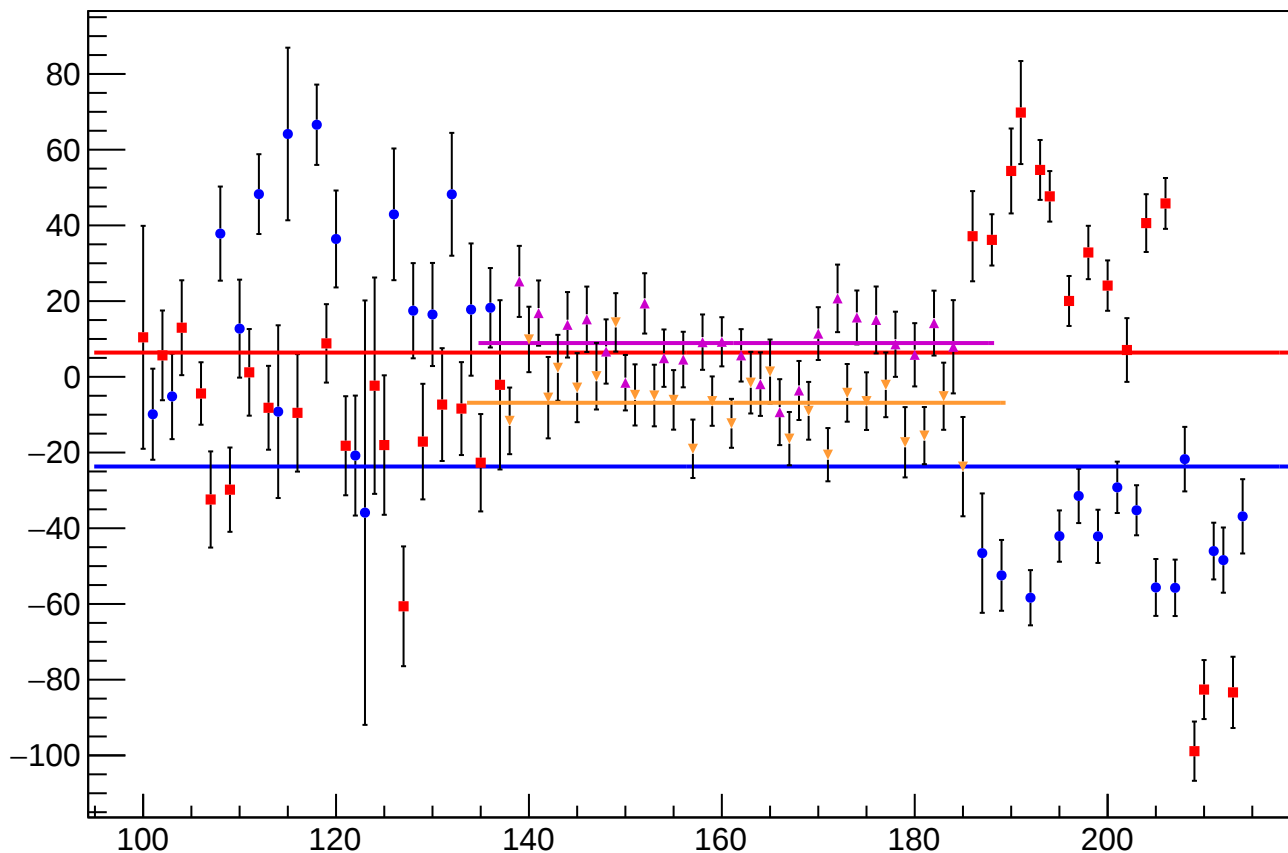
- sign -2.025 ± 0.229 $\chi^2/\text{NDF}: 1619.9/56$

diff_bpm0l09Y_rms vs Slug



Right In: 1277.093 ± 0.255	$\chi^2/\text{NDF}: 7972626.2/30$	+ sign 1277.576 ± 0.164	$\chi^2/\text{NDF}: 8850760.3/55$
Left Out: 1277.916 ± 0.214	$\chi^2/\text{NDF}: 878127.9/24$	All: 1272.775 ± 0.115	$\chi^2/\text{NDF}: 15171535.2/100$
Right Out: 1227.876 ± 0.233	$\chi^2/\text{NDF}: 5501145.5/33$	- sign 1268.085 ± 0.162	$\chi^2/\text{NDF}: 6319076.1/56$
Left In: 1305.541 ± 0.225	$\chi^2/\text{NDF}: 760450.8/22$		

diff_bpm0l10X_mean vs Slug



Right In: -23.690 ± 1.762 χ^2/NDF : 376.9/30

Left Out: -6.854 ± 1.616 χ^2/NDF : 28.7/24

Right Out: 6.408 ± 1.681 χ^2/NDF : 681.9/33

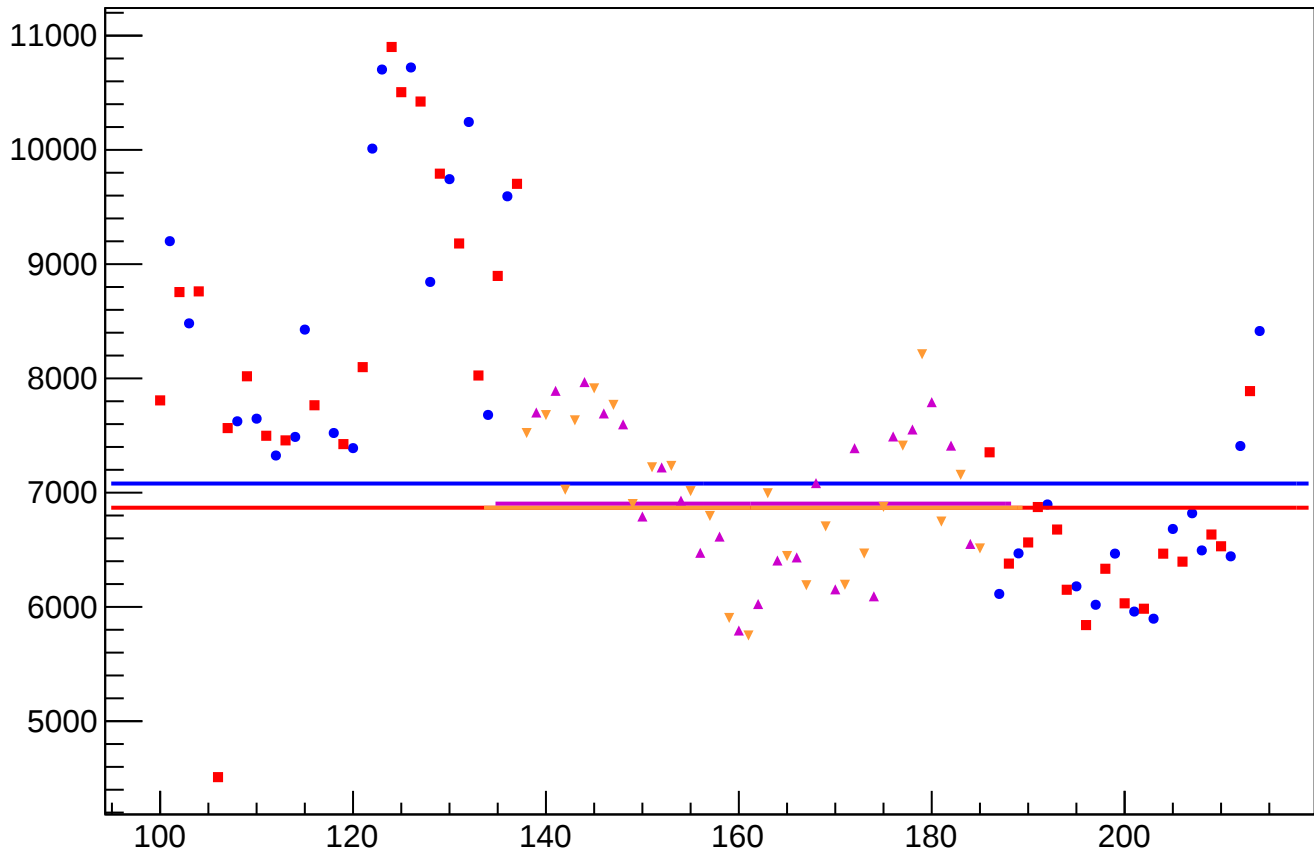
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -14.542 ± 1.191 χ^2/NDF : 455.2/55

All: -3.391 ± 0.840 χ^2/NDF : 1334.7/112

- sign 7.670 ± 1.186 χ^2/NDF : 704.9/56

diff_bpm0l10X_rms vs Slug



Right In: 7079.834 $\pm$ 1.246 χ^2 /NDF: 889603.3/30

Left Out: 6867.371 $\pm$ 1.142 χ^2 /NDF: 306895.0/24

Right Out: 6868.254 $\pm$ 1.188 χ^2 /NDF: 968536.7/33

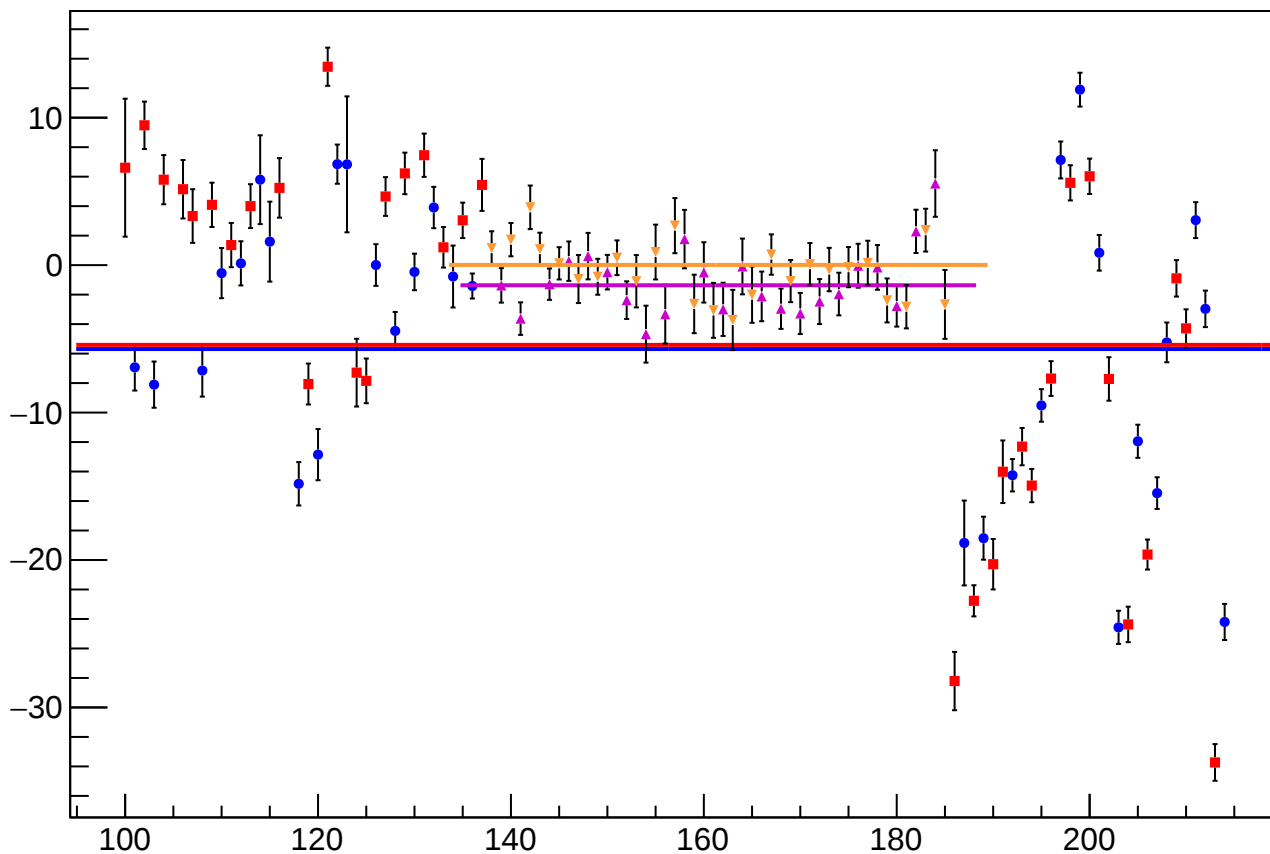
Left In: 6904.117 $\pm$ 1.184 χ^2 /NDF: 325912.6/22

+ sign 6964.387 $\pm$ 0.842 χ^2 /NDF: 1212293.4/55

All: 6925.163 $\pm$ 0.594 χ^2 /NDF: 2511522.1/11

- sign 6886.251 $\pm$ 0.839 χ^2 /NDF: 1294906.4/56

diff_bpm0l10Y_mean vs Slug



Right In: -5.690 ± 0.244 χ^2/NDF : 1534.9/30

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

Right Out: -5.409 ± 0.242 χ^2/NDF : 2604.0/33

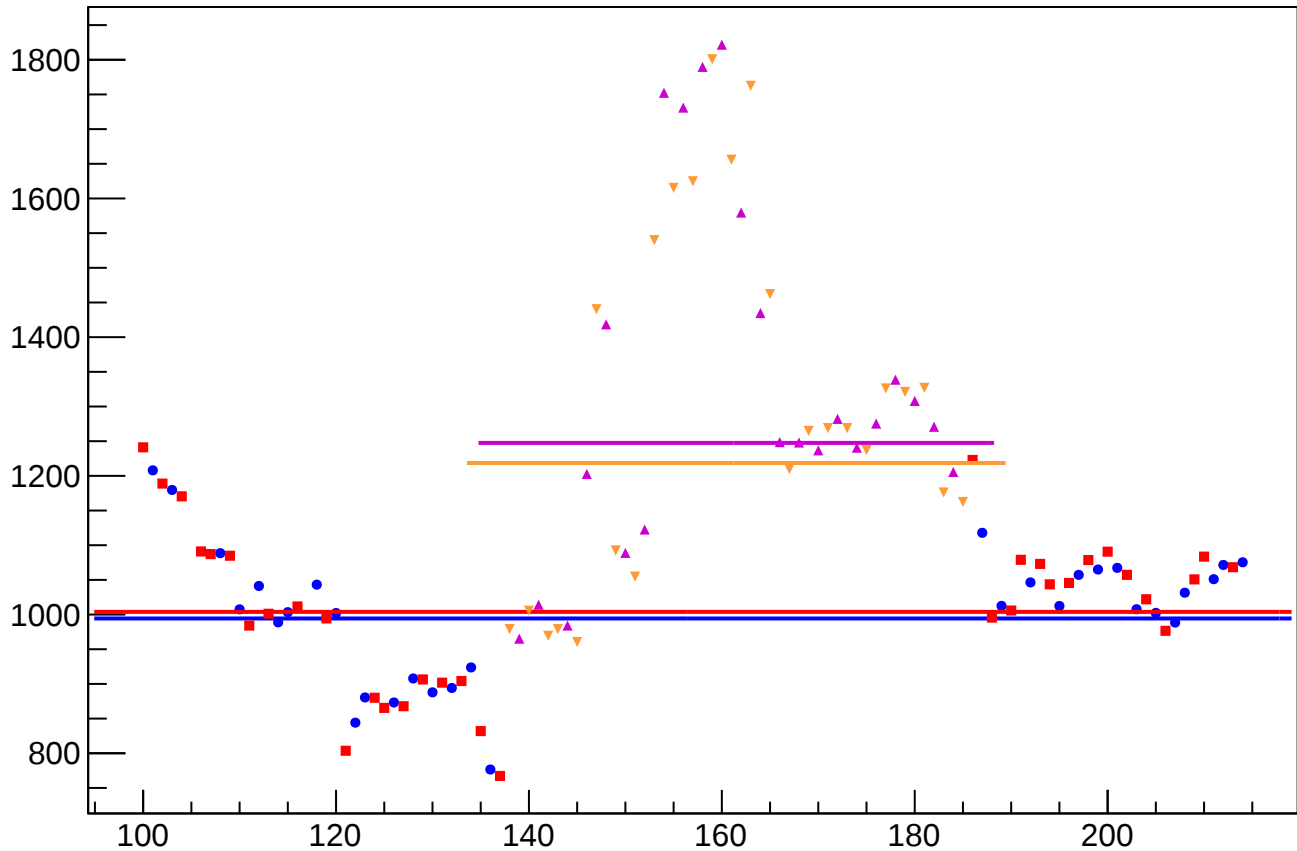
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -3.323 ± 0.187 χ^2/NDF : 1796.3/55

All: -3.580 ± 0.133 χ^2/NDF : 4550.2/112

- sign -3.847 ± 0.190 χ^2/NDF : 2750.0/56

diff_bpm0l10Y_rms vs Slug



Right In: 994.361+/-0.173 χ^2/NDF : 336340.4/30

Left Out: 1218.543+/-0.205 χ^2/NDF : 1265847.5/24

Right Out: 1003.885+/-0.171 χ^2/NDF : 341275.7/33

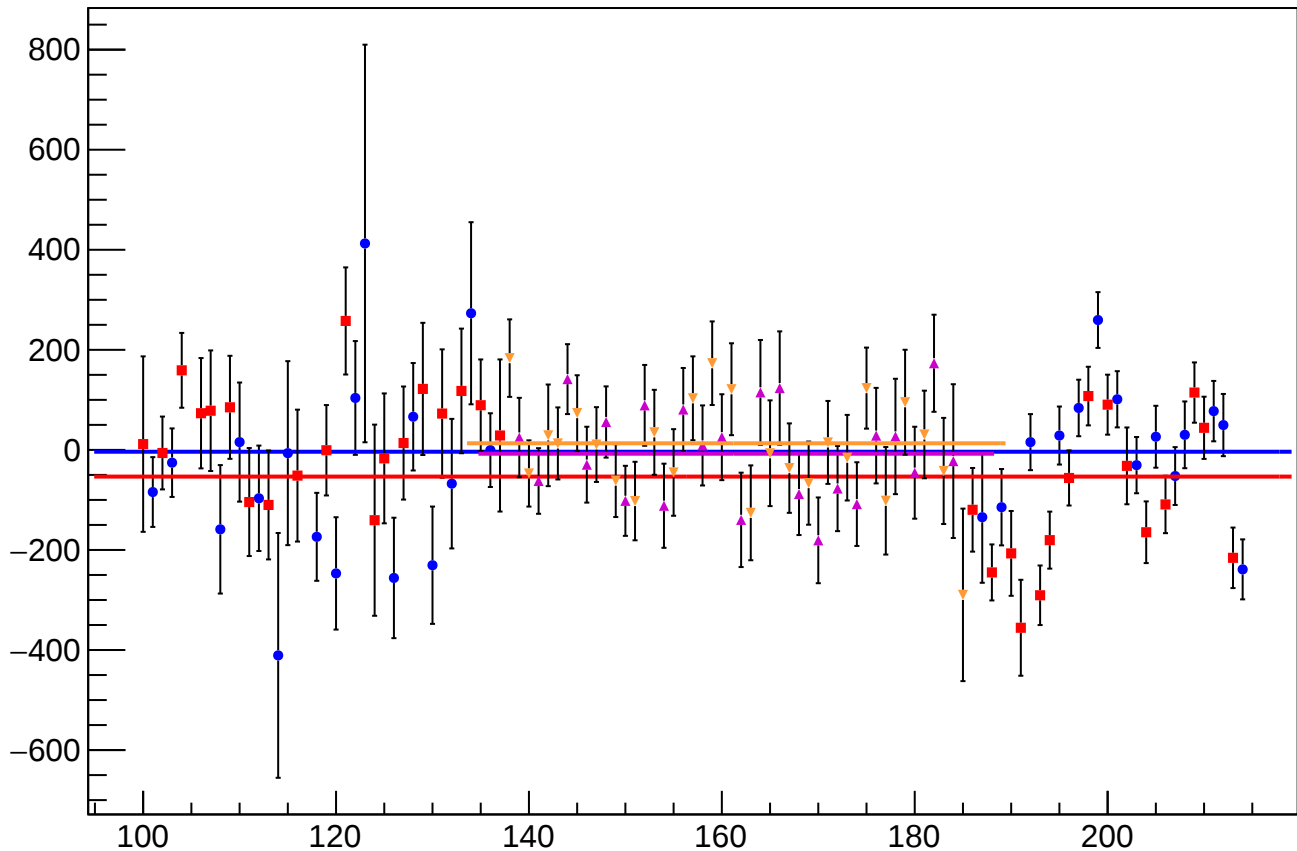
Left In: 1247.538+/-0.216 χ^2/NDF : 1073390.3/22

+ sign 1087.397+/-0.132 χ^2/NDF : 2301731.8/55

All: 1092.615+/-0.094 χ^2/NDF : 4500320.5/11

- sign 1098.007+/-0.134 χ^2/NDF : 2195414.5/56

diff_bpm0r03X_mean vs Slug



Right In: -3.675 ± 13.877 χ^2/NDF : 79.1/30

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

Right Out: -53.343 ± 13.688 χ^2/NDF : 111.6/33

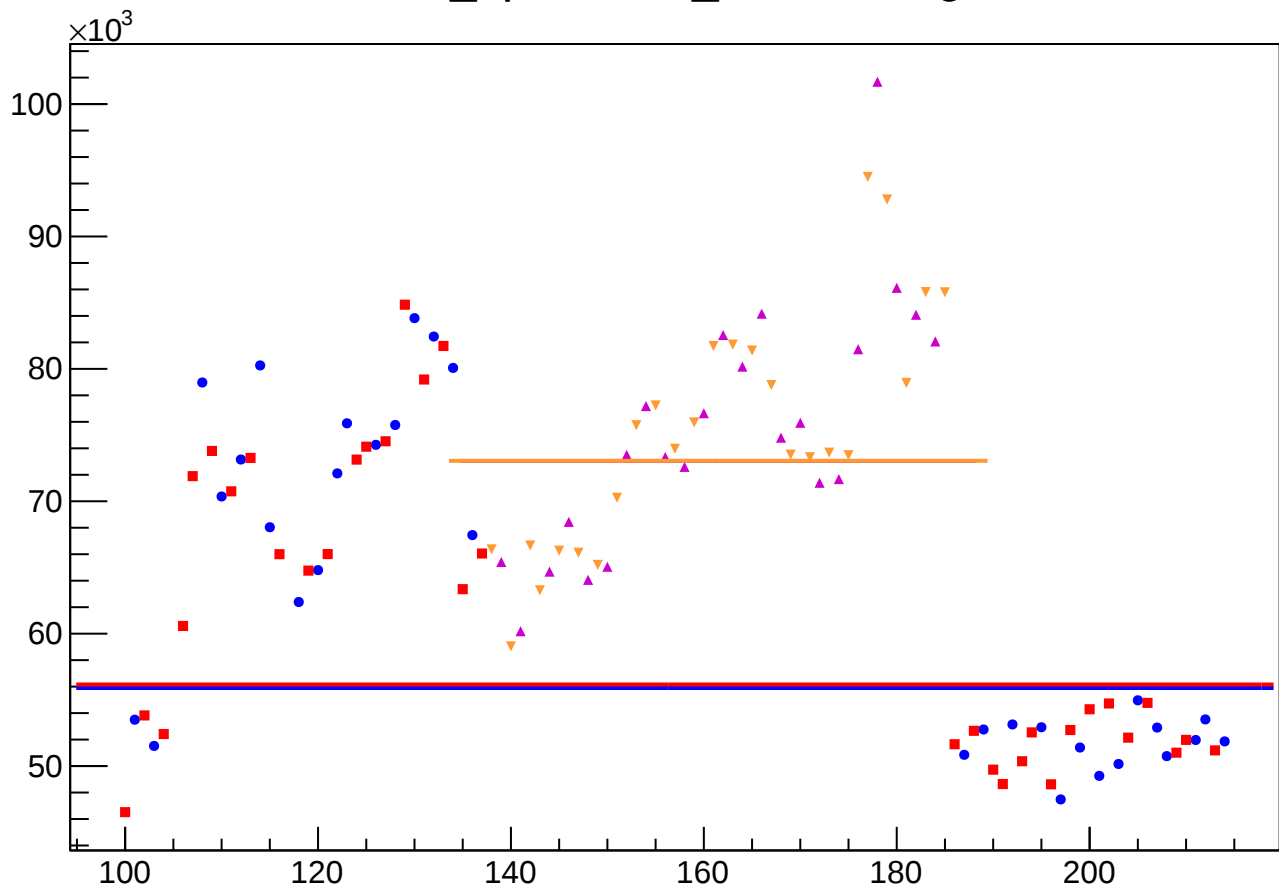
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign 3.007 ± 10.787 χ^2/NDF : 106.5/55

All: -16.531 ± 7.640 χ^2/NDF : 257.0/112

- sign -36.196 ± 10.822 χ^2/NDF : 143.9/56

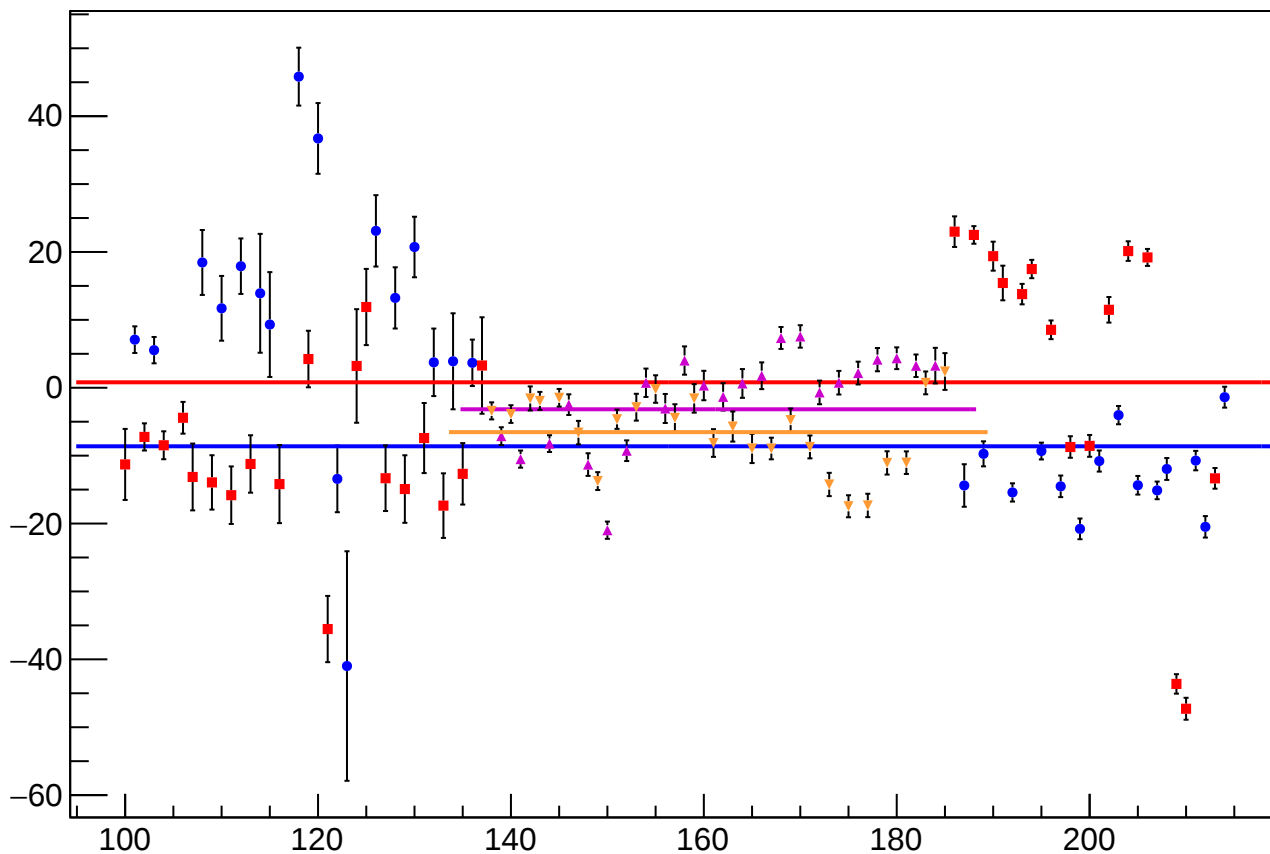
diff_bpm0r03X_rms vs Slug



Right In: 55897.431 $\pm$ 9.813 χ^2 /NDF: 813898.4/30
 Left Out: 73054.401 $\pm$ 12.124 χ^2 /NDF: 473050.9/24
 Right Out: 56159.936 $\pm$ 9.679 χ^2 /NDF: 770527.2/33
 Left In: 73045.500 $\pm$ 12.496 χ^2 /NDF: 463525.5/22

+ sign 62687.793 $\pm$ 7.627 χ^2 /NDF: 2496917.3/55
 All: 62590.263 $\pm$ 5.402 χ^2 /NDF: 4872562.6/1
 - sign 62492.102 $\pm$ 7.652 χ^2 /NDF: 2375317.2/56

diff_bpm0r03Y_mean vs Slug



Right In: -8.622 ± 0.369 χ^2/NDF : 838.6/30

Left Out: -6.537 ± 0.332 χ^2/NDF : 252.7/24

Right Out: 0.802 ± 0.365 χ^2/NDF : 3380.6/33

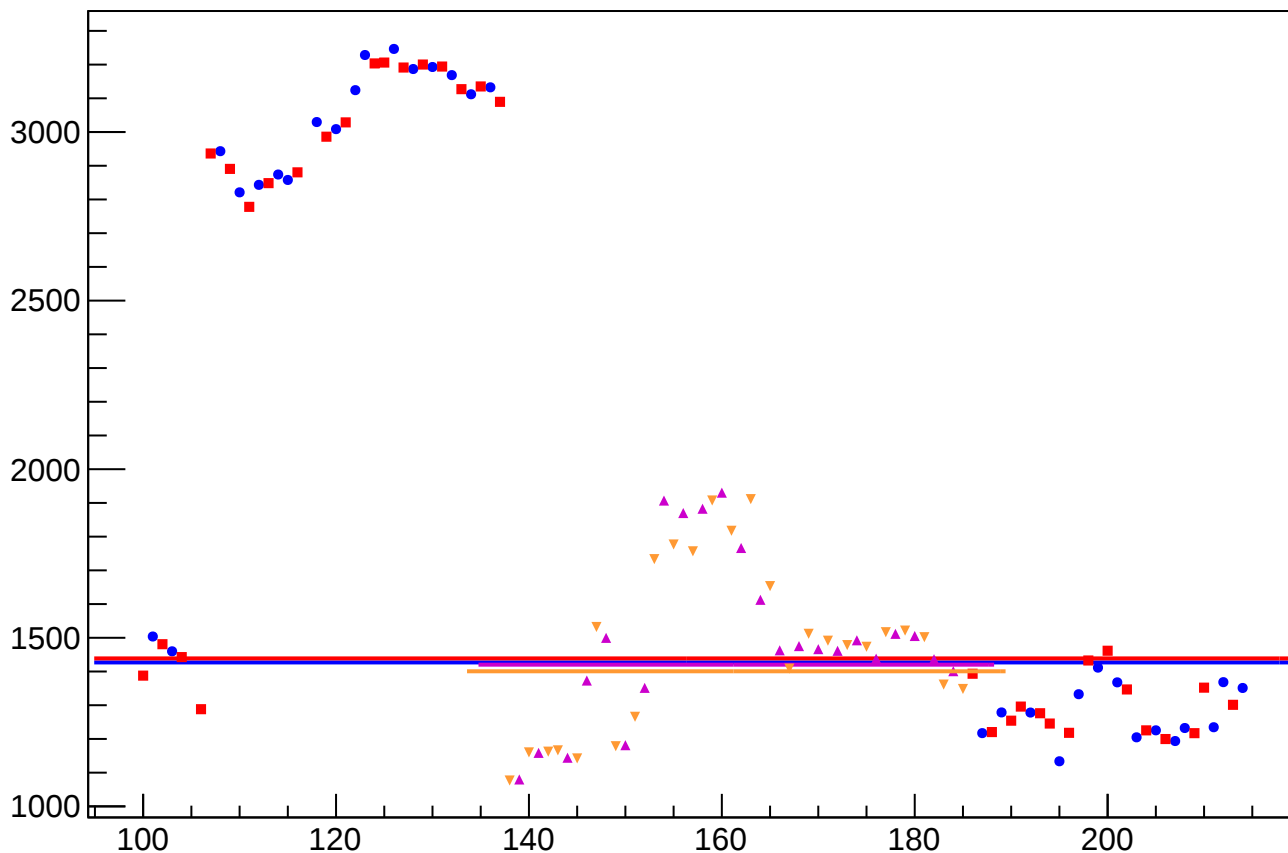
Left In: -3.171 ± 0.346 χ^2/NDF : 487.3/22

+ sign -7.468 ± 0.247 χ^2/NDF : 1109.0/55

All: -4.435 ± 0.176 χ^2/NDF : 5347.0/112

- sign -1.289 ± 0.251 χ^2/NDF : 3930.2/56

diff_bpm0r03Y_rms vs Slug



Right In: 1426.888 $\pm$ 0.261 χ^2 /NDF: 3585195.6/30

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

Right Out: 1438.844 $\pm$ 0.258 χ^2 /NDF: 3553953.0/33

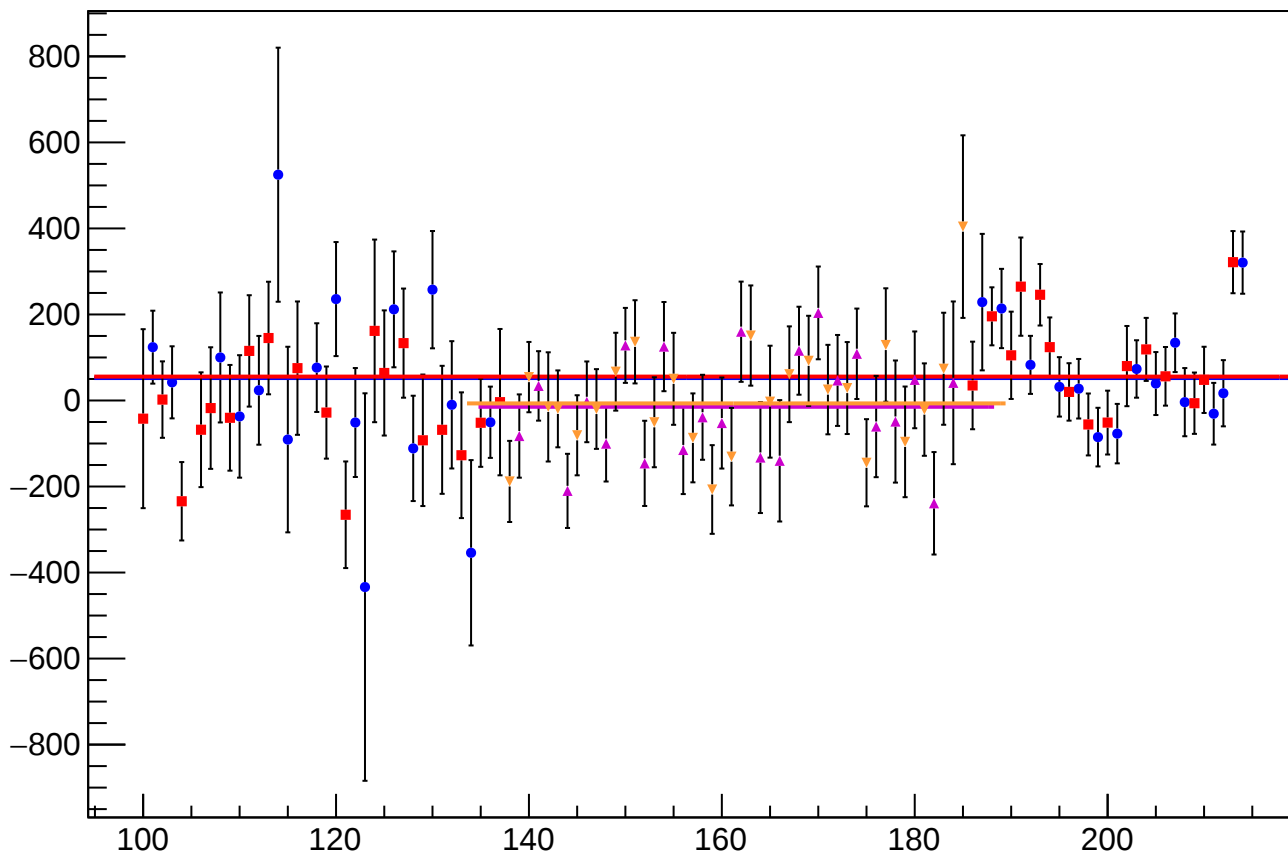
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF:905186.2/22

+ sign 1412.365 $\pm$ 0.175 χ^2 /NDF: 4628709.9/55

All: 1420.569 $\pm$ 0.125 χ^2 /NDF: 9095069.8/11

- sign 1429.077 $\pm$ 0.178 χ^2 /NDF: 4461858.1/56

diff_bpm0r05X_mean vs Slug



Right In: 52.171 $\pm$ 16.584 χ^2 /NDF: 48.5/30

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

Right Out: 55.533 $\pm$ 16.399 χ^2 /NDF: 61.4/33

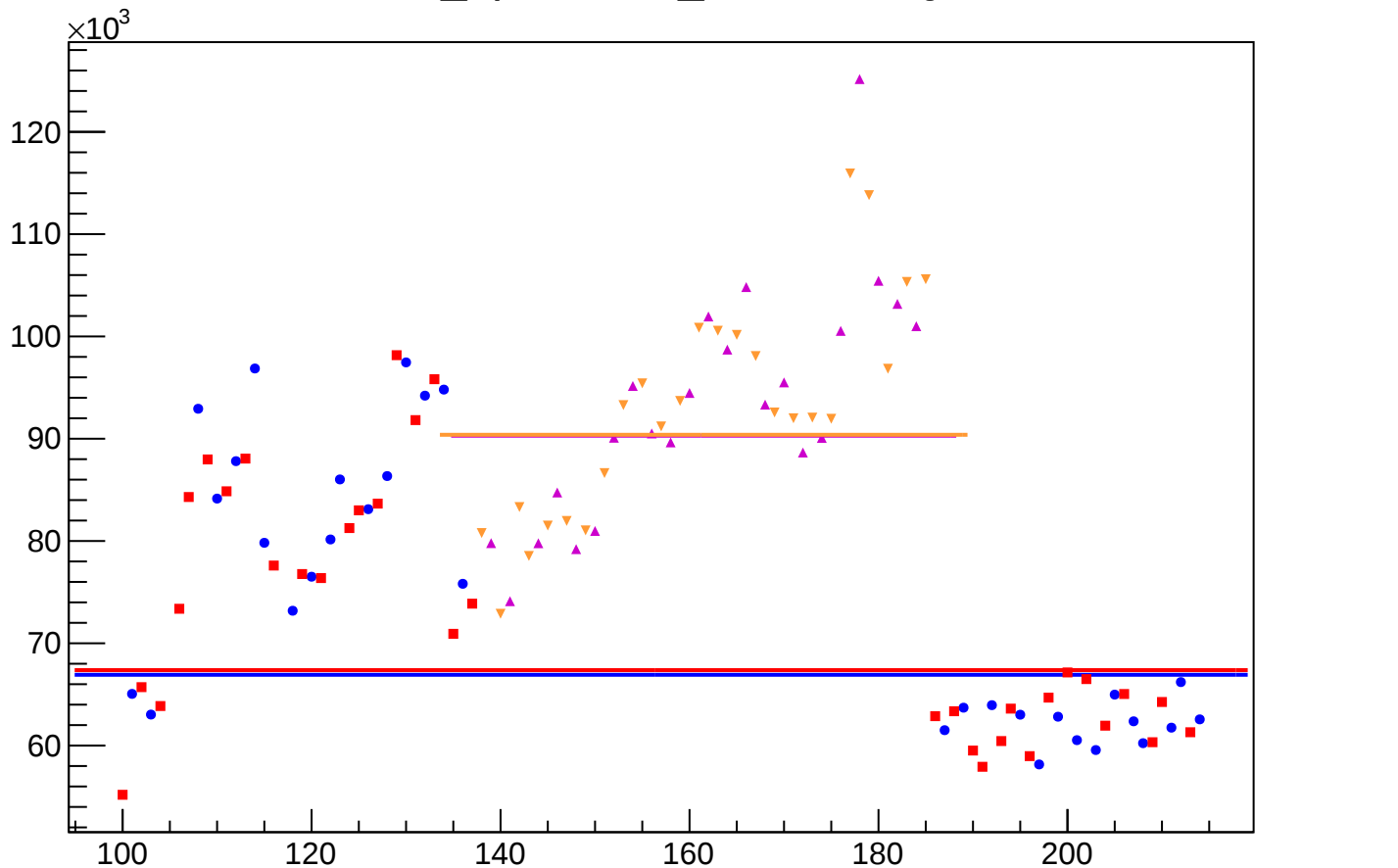
Left In: -14.611 $\pm$ 21.846 χ^2 /NDF: 29.8/22

+ sign 29.805 $\pm$ 13.065 χ^2 /NDF: 77.9/55

All: 30.028 $\pm$ 9.256 χ^2 /NDF: 175.8/112

- sign 30.253 $\pm$ 13.115 χ^2 /NDF: 97.8/56

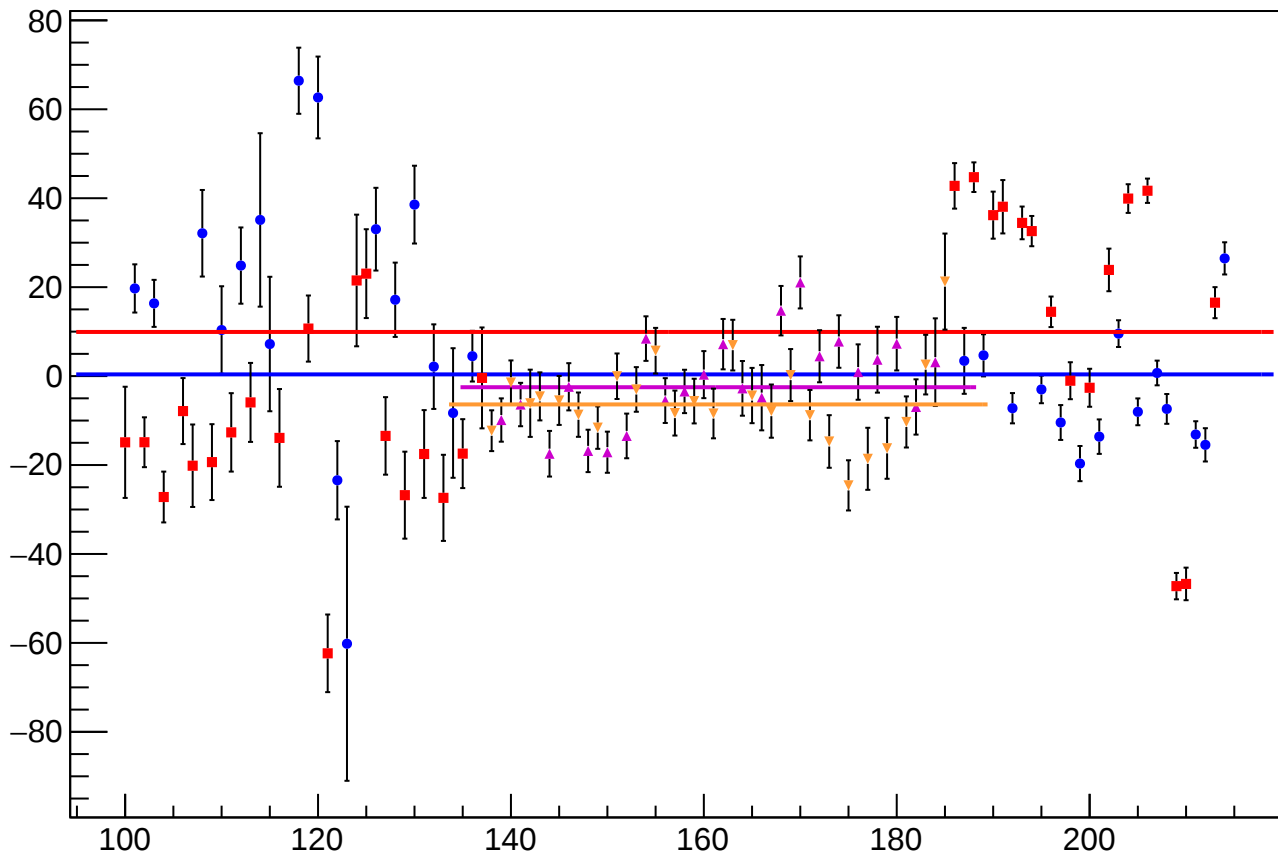
diff_bpm0r05X_rms vs Slug



Right In: 66921.288 ± 11.727 $\chi^2/\text{NDF}: 661555.4/30$
 Left Out: 90384.853 ± 15.000 $\chi^2/\text{NDF}: 461648.2/24$
 Right Out: 67375.354 ± 11.596 $\chi^2/\text{NDF}: 647684.2/33$
 Left In: 90293.591 ± 15.448 $\chi^2/\text{NDF}: 461337.5/22$

+ sign 75821.939 ± 9.239 $\chi^2/\text{NDF}: 2641871.4/55$
 - sign 75635.145 ± 9.274 $\chi^2/\text{NDF}: 2516852.1/56$
 All: 75728.897 ± 6.545 $\chi^2/\text{NDF}: 5158927.2/100$

diff_bpm0r05Y_mean vs Slug



Right In: 0.384 ± 0.849 χ^2/NDF : 383.6/30

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

Right Out: 9.927 ± 0.859 χ^2/NDF : 1383.2/33

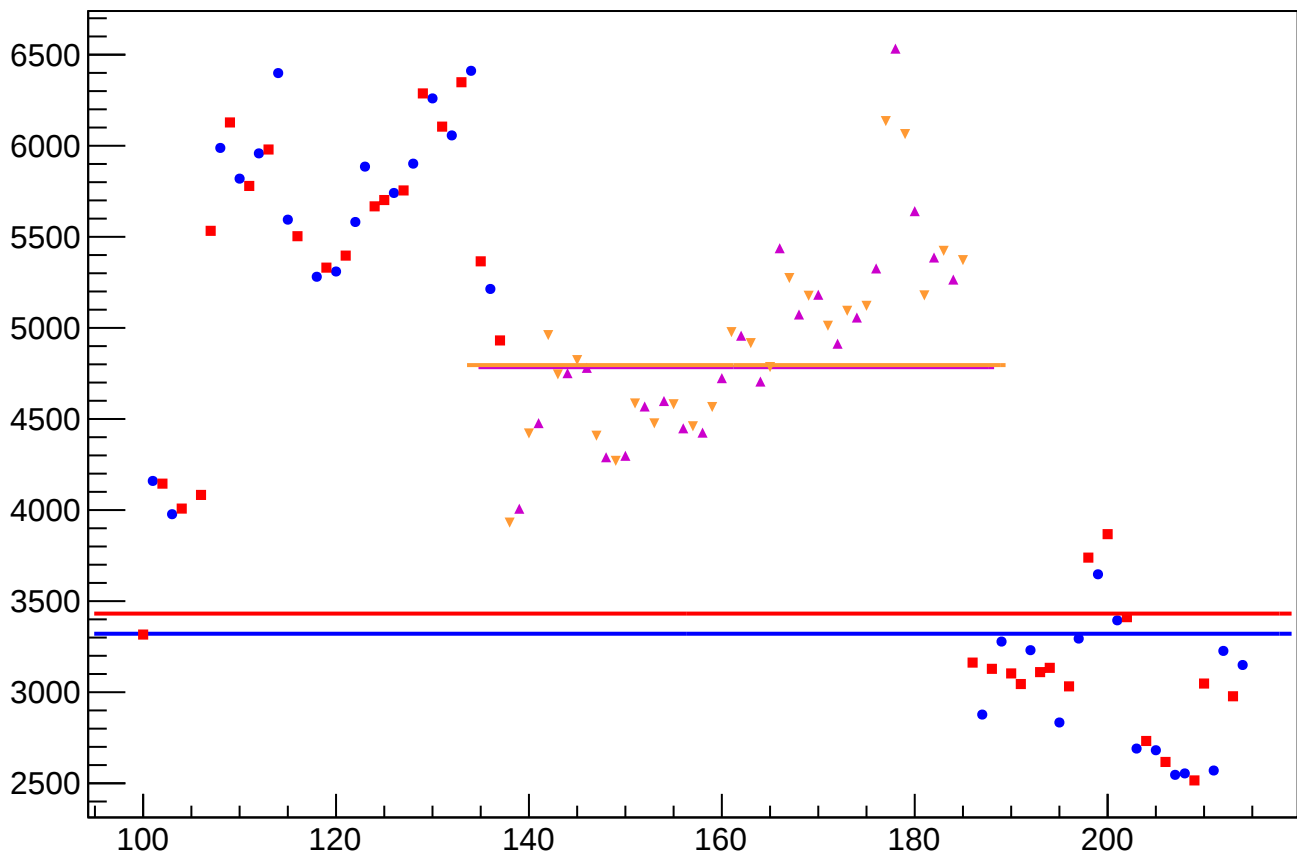
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -2.069 ± 0.677 χ^2/NDF : 452.1/55

All: 1.649 ± 0.483 χ^2/NDF : 2049.5/112

- sign 5.503 ± 0.690 χ^2/NDF : 1536.0/56

diff_bpm0r05Y_rms vs Slug



Right In: 3321.069+/-0.600 χ^2/NDF : 2690688.1/30

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

Right Out: 3431.606+/-0.608 χ^2/NDF : 2574535.6/33

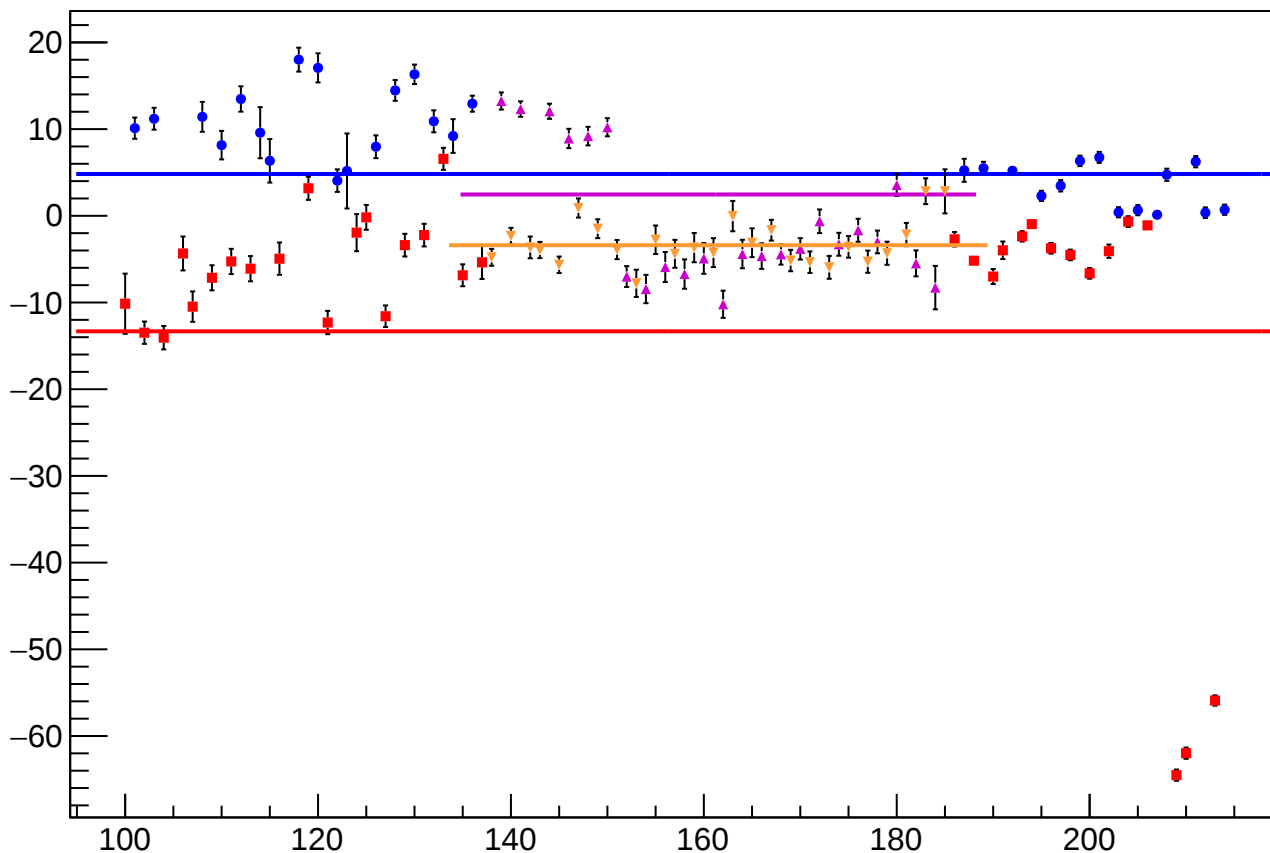
Left In: 4784.434+/-0.817 χ^2/NDF : 357507.2/22

+ sign 3856.721+/-0.479 χ^2/NDF : 5244993.6/55

All: 3884.435+/-0.342 χ^2/NDF : 9948145.7/11

- sign 3913.167+/-0.488 χ^2/NDF : 4696332.2/56

diff_bpm2i01X_mean vs Slug



Right In: 4.821 ± 0.151 χ^2/NDF : 847.8/30

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

Right Out: -13.323 ± 0.149 χ^2/NDF : 20616.4/33

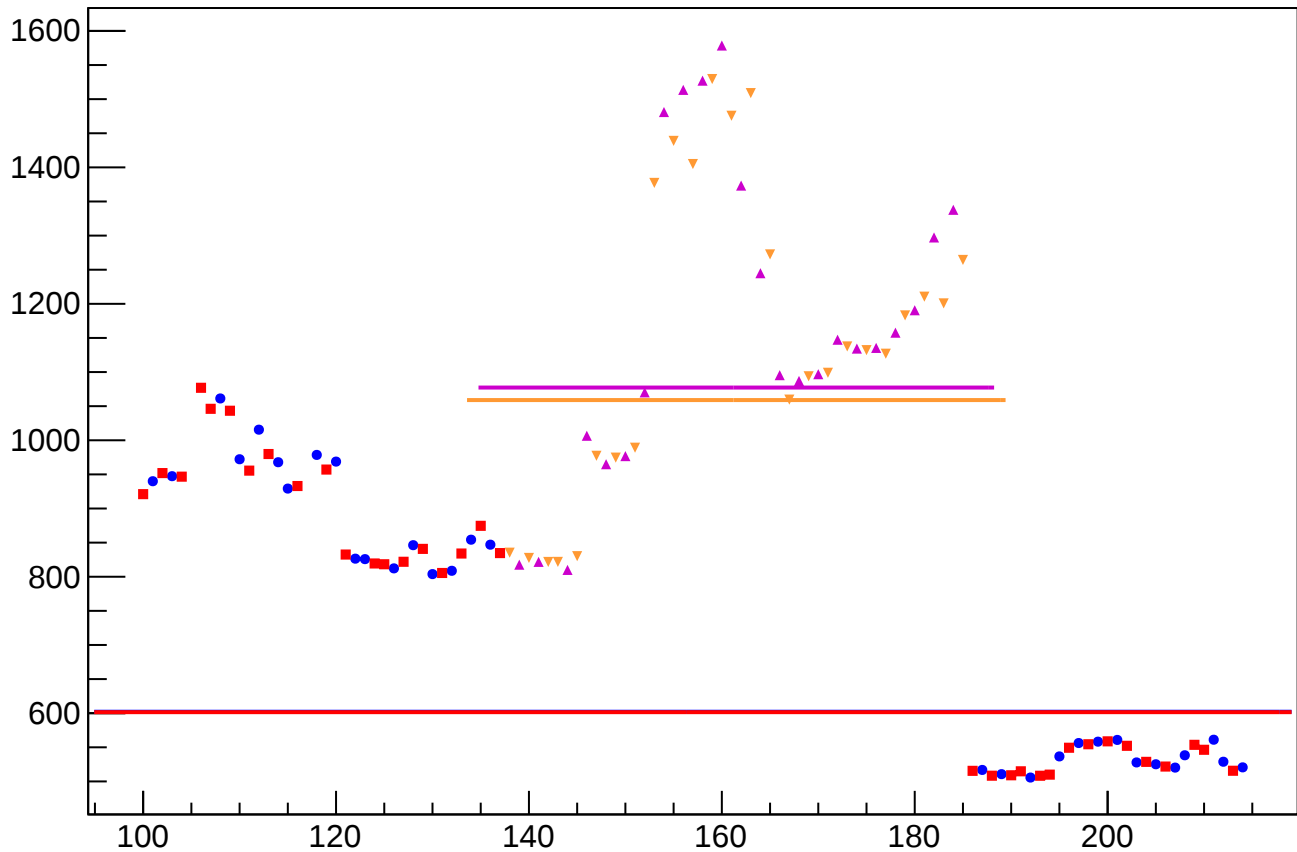
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

+ sign 2.646 ± 0.130 χ^2/NDF : 1704.4/55

All: -3.436 ± 0.092 χ^2/NDF : 30345.0/112

- sign -9.518 ± 0.130 χ^2/NDF : 24249.5/56

diff_bpm2i01X_rms vs Slug



Right In: 602.128 $\pm$ 0.107 χ^2 /NDF: 1863180.5/30

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

Right Out: 601.515 $\pm$ 0.105 χ^2 /NDF: 2085760.4/33

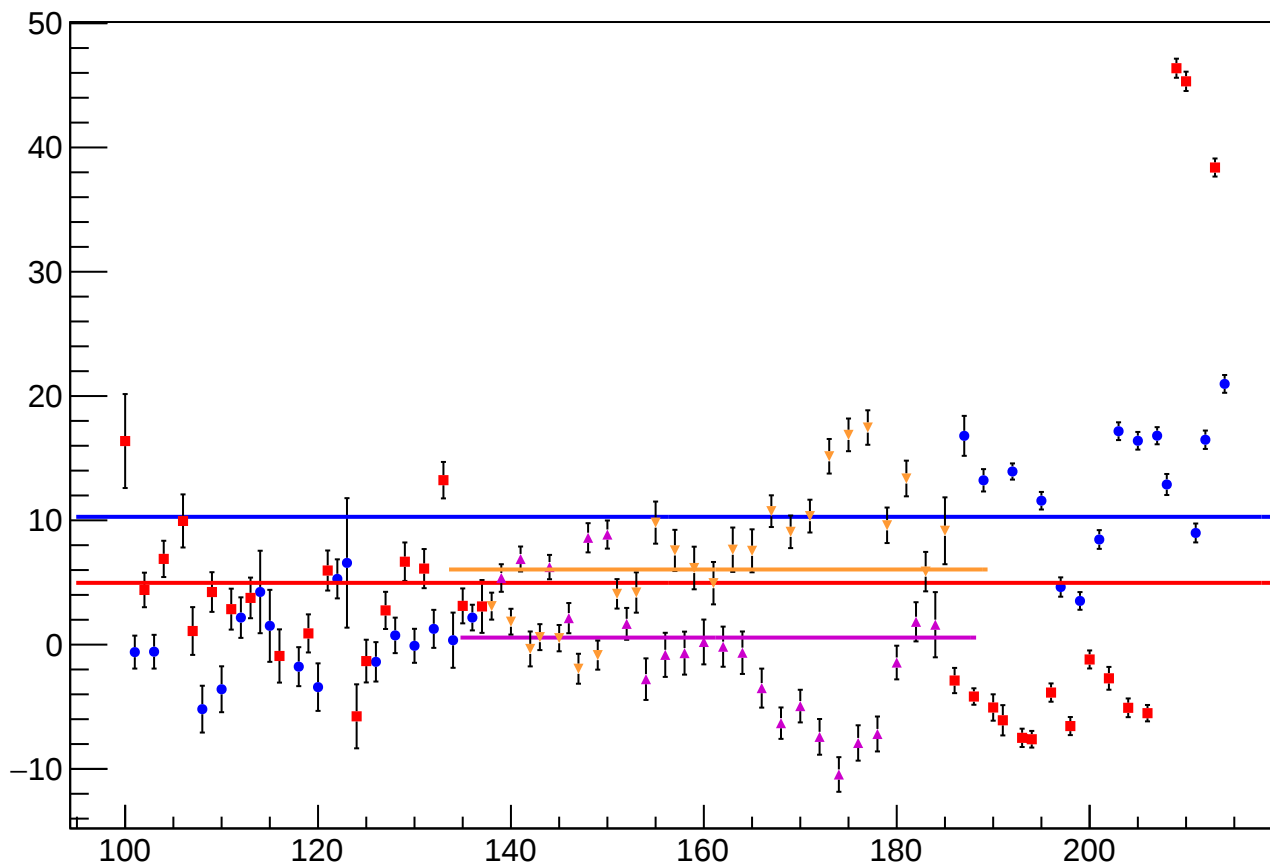
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF:1280349.9/22

+ sign 723.085 $\pm$ 0.092 χ^2 /NDF: 8088619.9/55

All: 719.648 $\pm$ 0.065 χ^2 /NDF: 16373535.2/11

- sign 716.212 $\pm$ 0.092 χ^2 /NDF: 8282111.6/56

diff_bpm2i01Y_mean vs Slug



Right In: 10.282 ± 0.180 $\chi^2/\text{NDF}: 1459.5/30$

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

Right Out: 4.969 ± 0.178 $\chi^2/\text{NDF}: 9854.6/33$

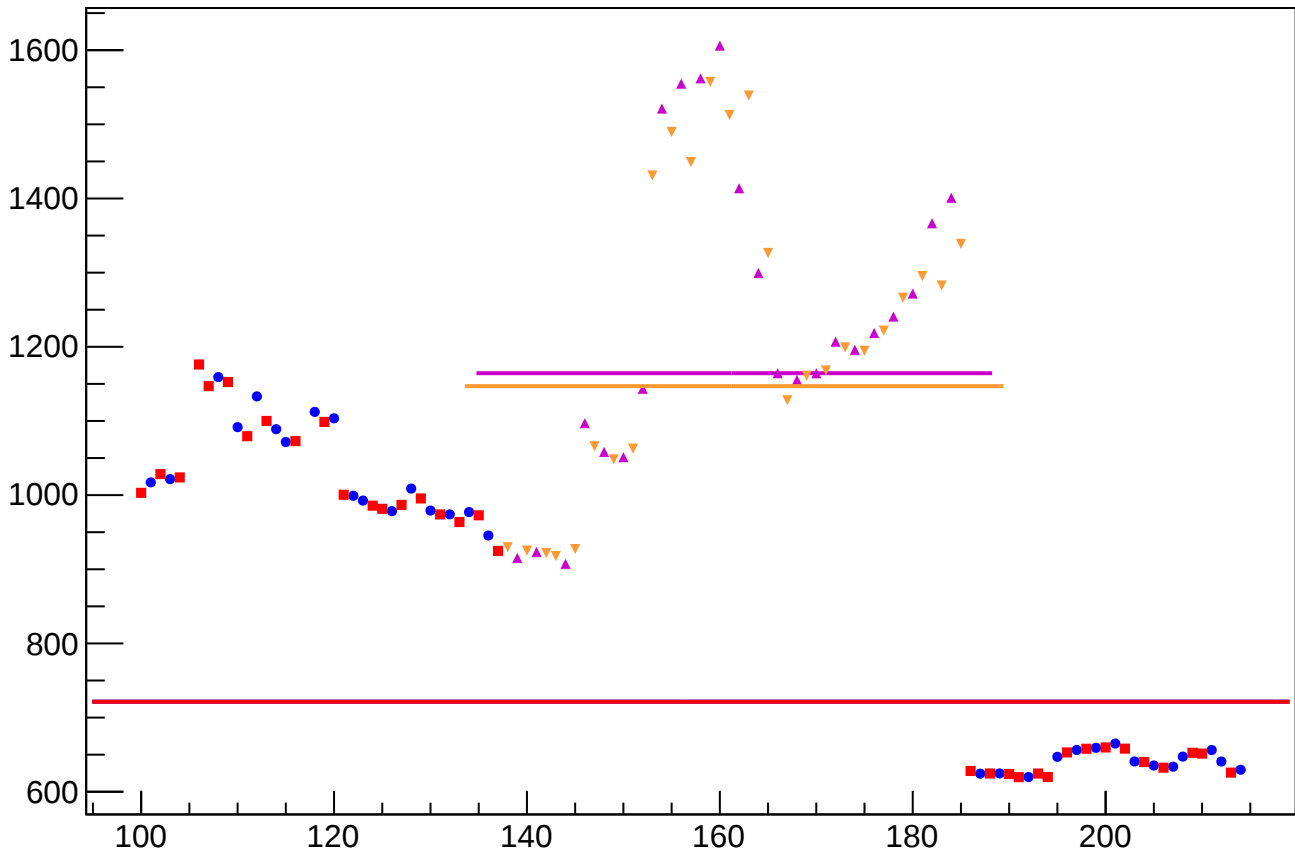
Left In: 0.566 ± 0.284 $\chi^2/\text{NDF}: 417.0/22$

+ sign 8.985 ± 0.150 $\chi^2/\text{NDF}: 2059.0/55$

All: 6.364 ± 0.106 $\chi^2/\text{NDF}: 13112.5/112$

- sign 3.731 ± 0.151 $\chi^2/\text{NDF}: 10444.2/56$

diff_bpm2i01Y_rms vs Slug



Right In: 721.443 $\pm$ 0.128 χ^2 /NDF: 1534366.1/30

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

Right Out: 721.408 $\pm$ 0.126 χ^2 /NDF: 1701195.4/33

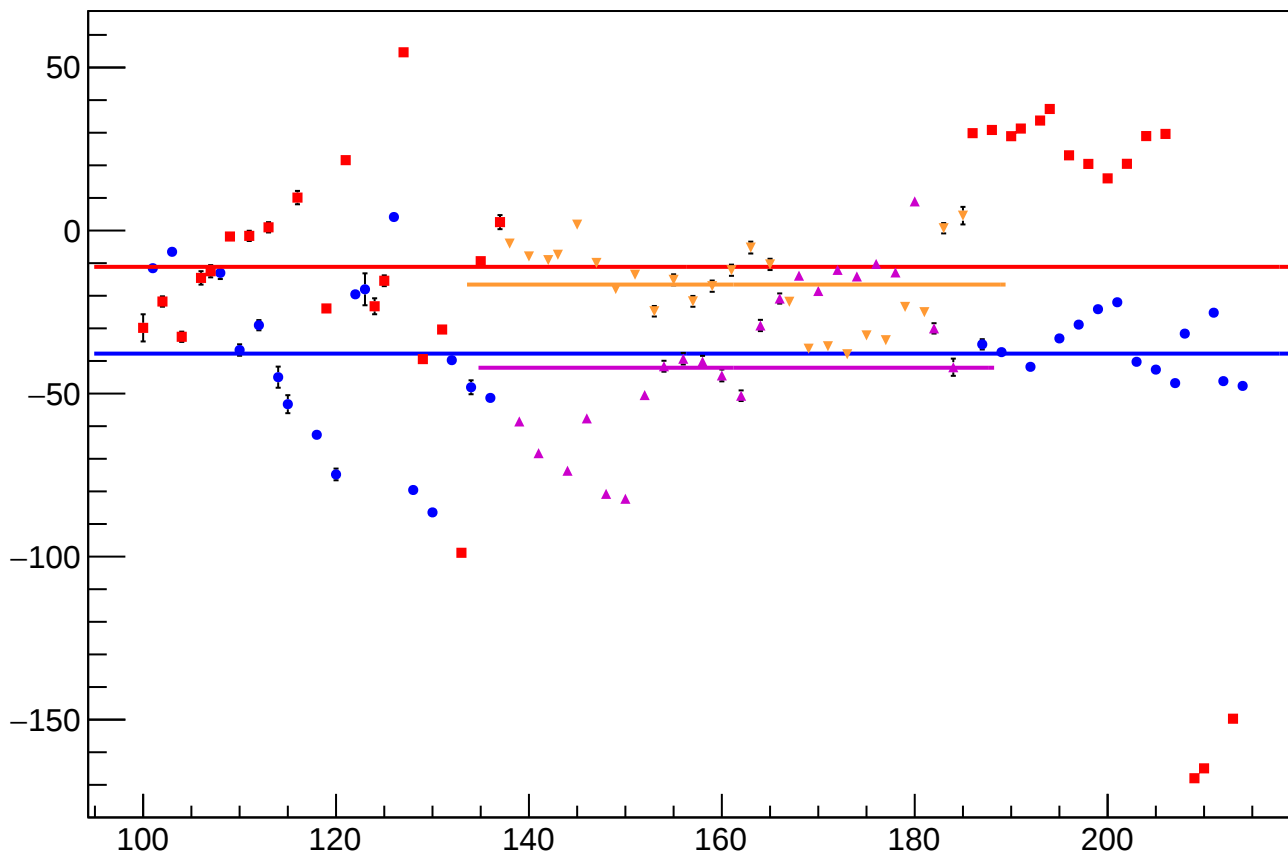
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF:944112.0/22

+ sign 851.733 $\pm$ 0.106 χ^2 /NDF: 5984324.1/55

All: 848.854 $\pm$ 0.075 χ^2 /NDF: 12126646.0/1

- sign 845.963 $\pm$ 0.107 χ^2 /NDF: 6140851.9/56

diff_bpm2i02X_mean vs Slug



Right In: -37.742 ± 0.178 $\chi^2/\text{NDF}: 7132.0/30$

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

Right Out: -11.134 ± 0.175 $\chi^2/\text{NDF}: 155352.7/33$

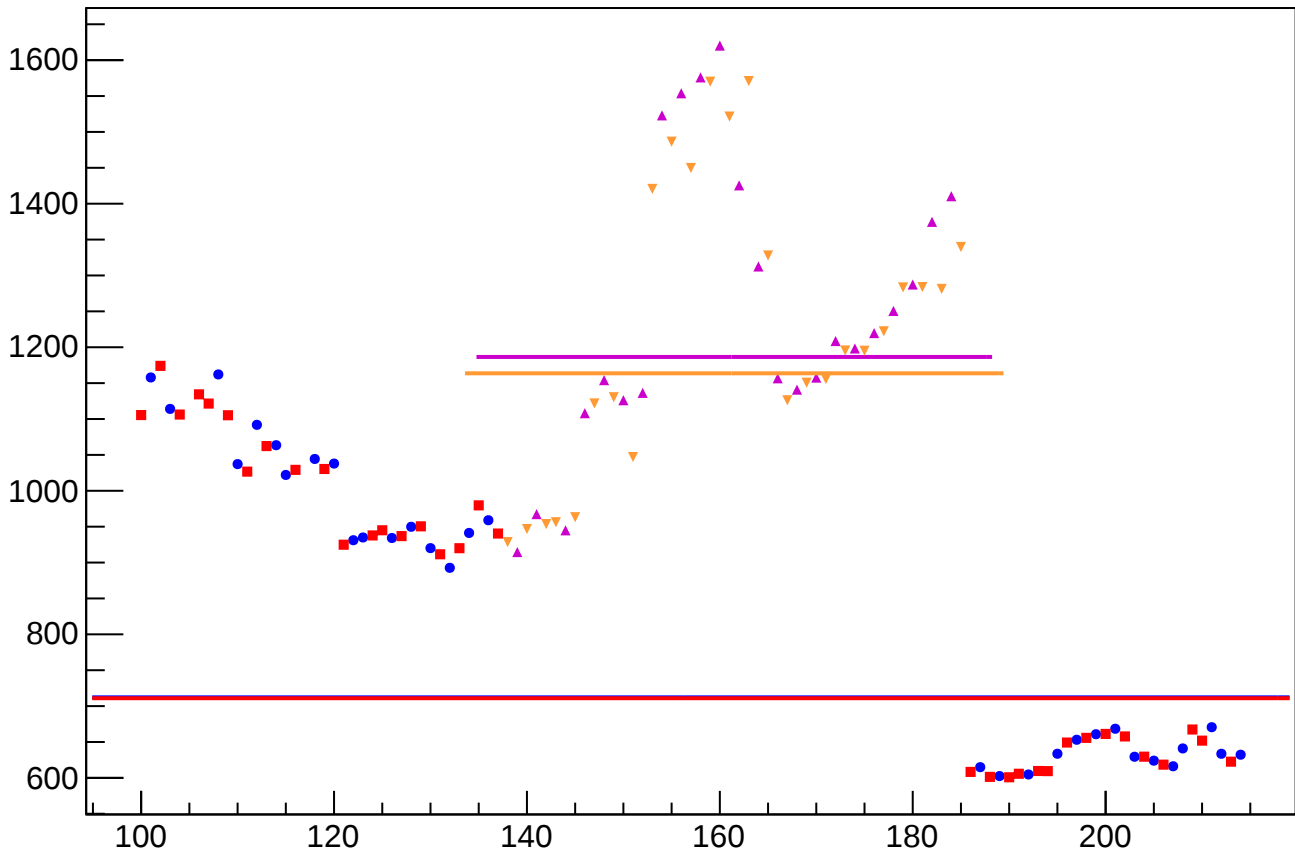
Left In: -42.077 ± 0.289 $\chi^2/\text{NDF}: 8332.3/22$

+ sign -31.493 ± 0.150 $\chi^2/\text{NDF}: 13234.8/55$

All: -25.473 ± 0.106 $\chi^2/\text{NDF}: 188548.6/112$

- sign -19.436 ± 0.150 $\chi^2/\text{NDF}: 172067.6/56$

diff_bpm2i02X_rms vs Slug



Right In: 712.173+/-0.126 χ^2/NDF : 1531037.5/30

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

Right Out: 710.994+/-0.124 χ^2/NDF : 1693760.4/33

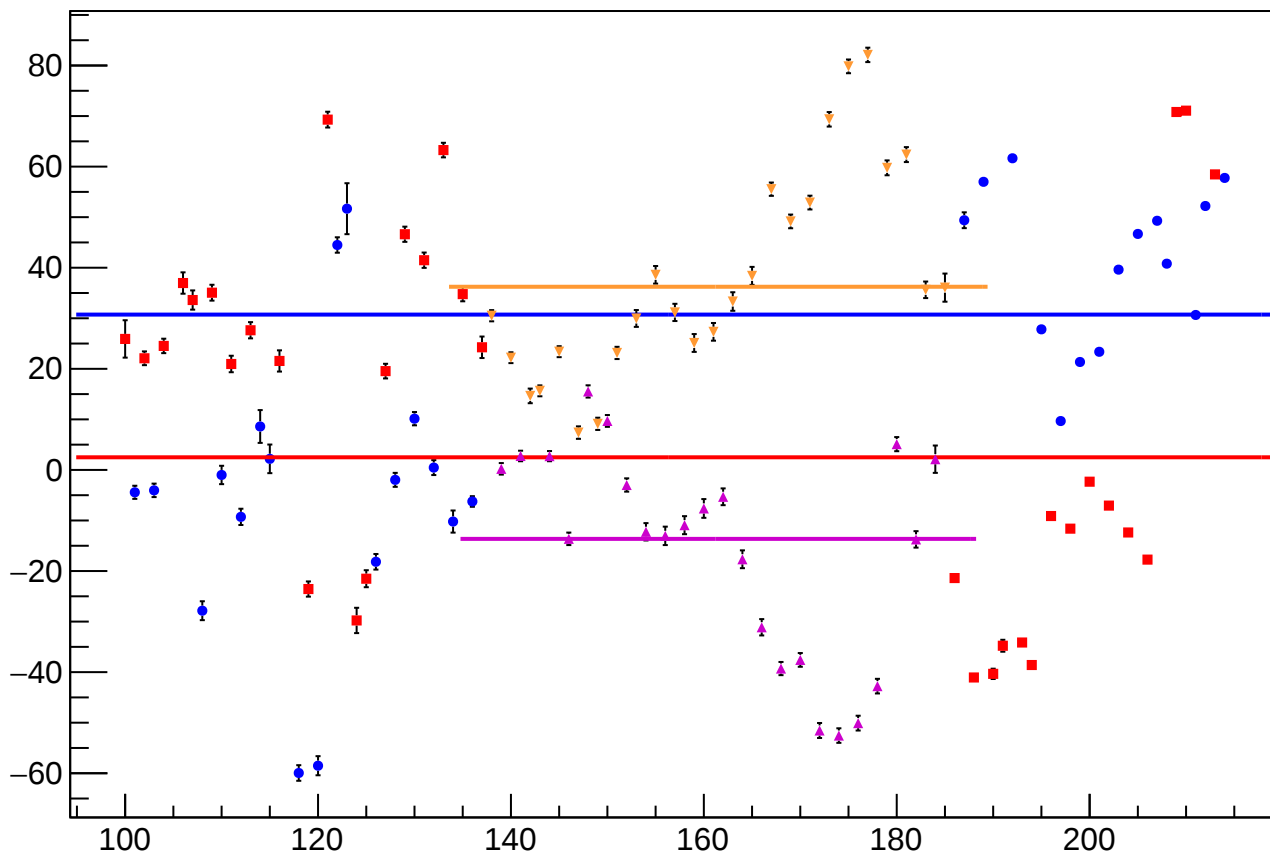
Left In: 1186.476+/-0.204 χ^2/NDF : 833420.3/22

+ sign 845.422+/-0.106 χ^2/NDF : 6260367.0/55

All: 841.999+/-0.075 χ^2/NDF : 12748393.9/11

- sign 838.566+/-0.106 χ^2/NDF : 6485927.7/56

diff_bpm2i02Y_mean vs Slug



Right In: 30.728 ± 0.176 $\chi^2/\text{NDF}: 21630.2/30$

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

Right Out: 2.498 ± 0.173 $\chi^2/\text{NDF}: 48029.4/33$

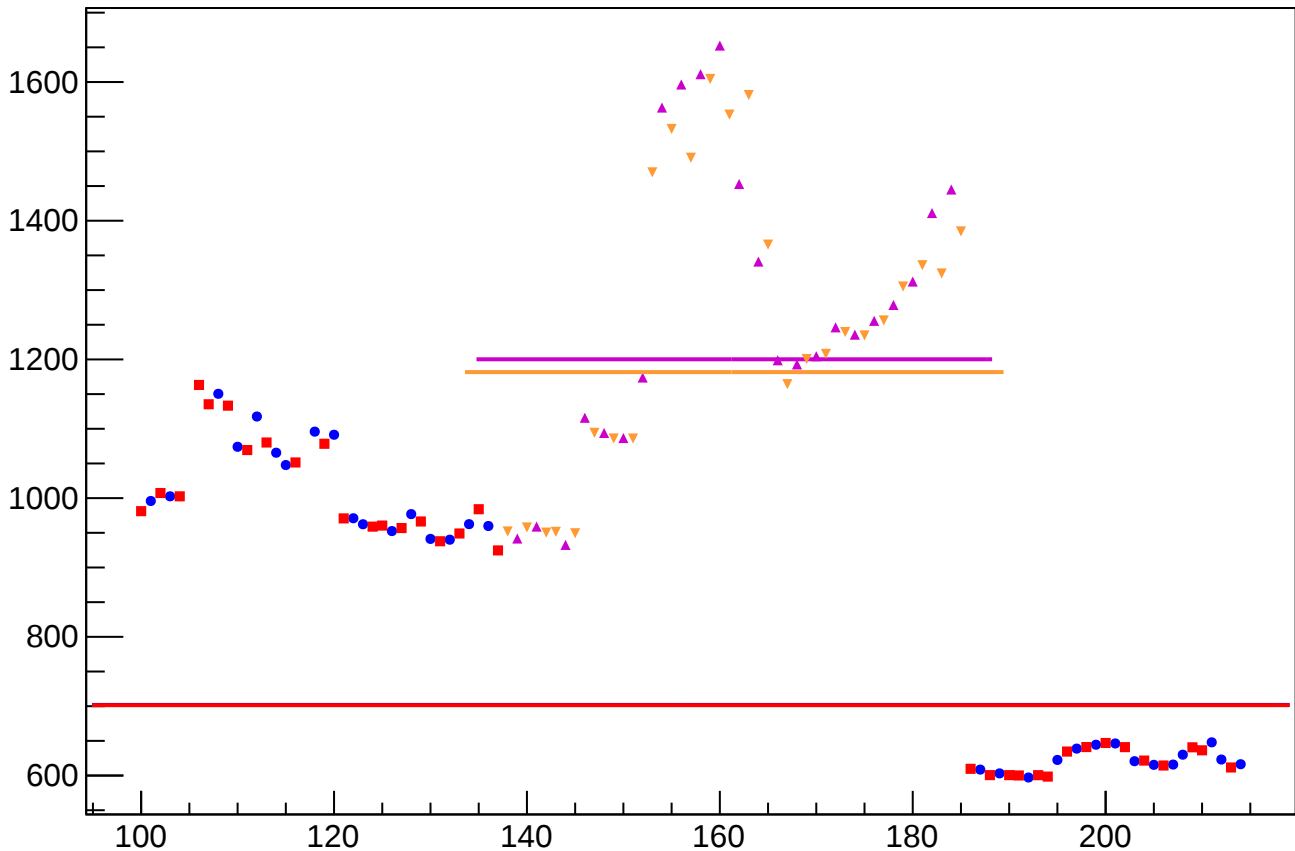
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 32.284 ± 0.149 $\chi^2/\text{NDF}: 27702.0/55$

All: 15.314 ± 0.105 $\chi^2/\text{NDF}: 109186.8/112$

- sign -1.675 ± 0.149 $\chi^2/\text{NDF}: 55459.6/56$

diff_bpm2i02Y_rms vs Slug



Right In: 701.811+/-0.124 χ^2/NDF : 1601211.0/30

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

Right Out: 701.498+/-0.122 χ^2/NDF : 1773993.2/33

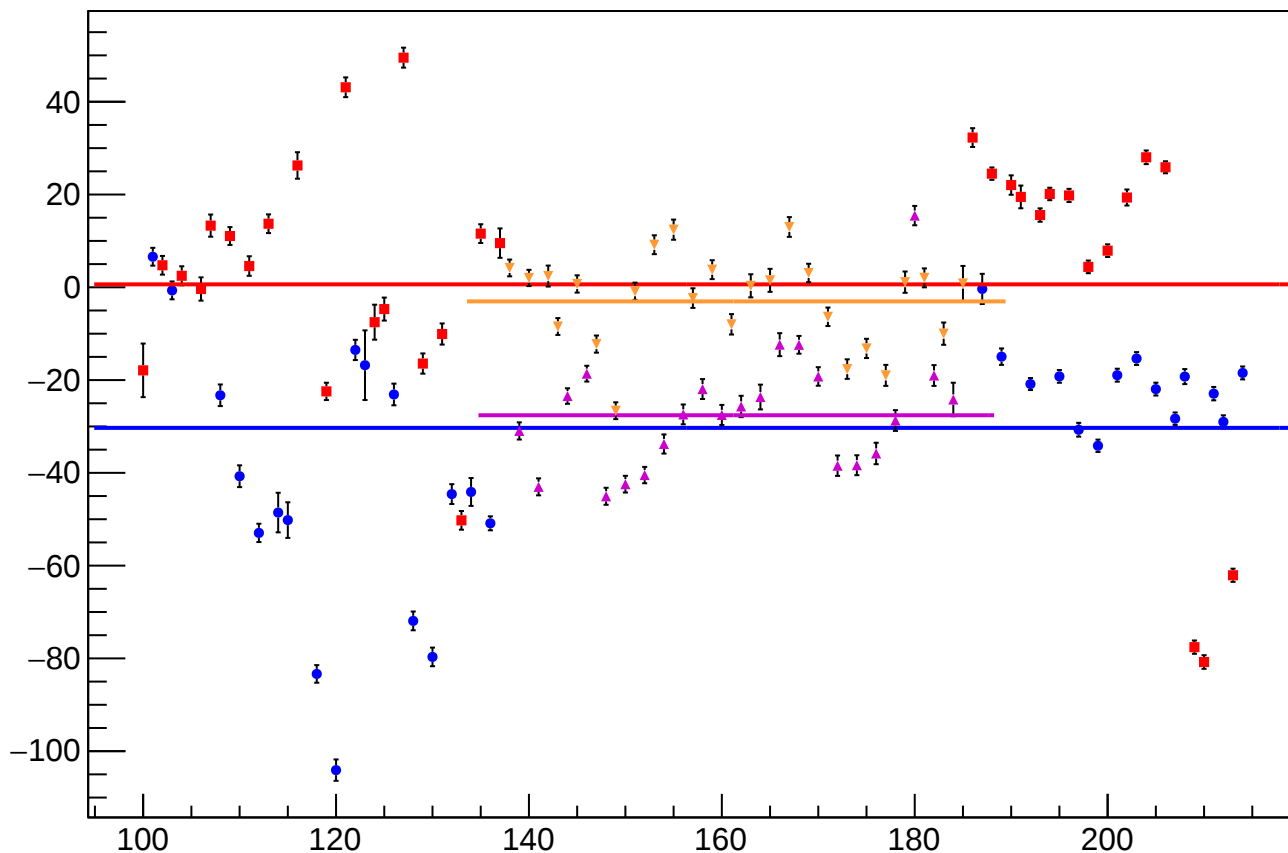
Left In: 1200.198+/-0.207 χ^2/NDF : 938224.7/22

+ sign 837.485+/-0.105 χ^2/NDF : 6863105.9/55

All: 833.976+/-0.074 χ^2/NDF : 13879248.5/11

- sign 830.462+/-0.105 χ^2/NDF : 7013916.3/56

diff_bpm0i02X_mean vs Slug



Right In: -30.303 ± 0.317 χ^2/NDF : 4621.0/30

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

Right Out: 0.634 ± 0.312 χ^2/NDF : 12119.9/33

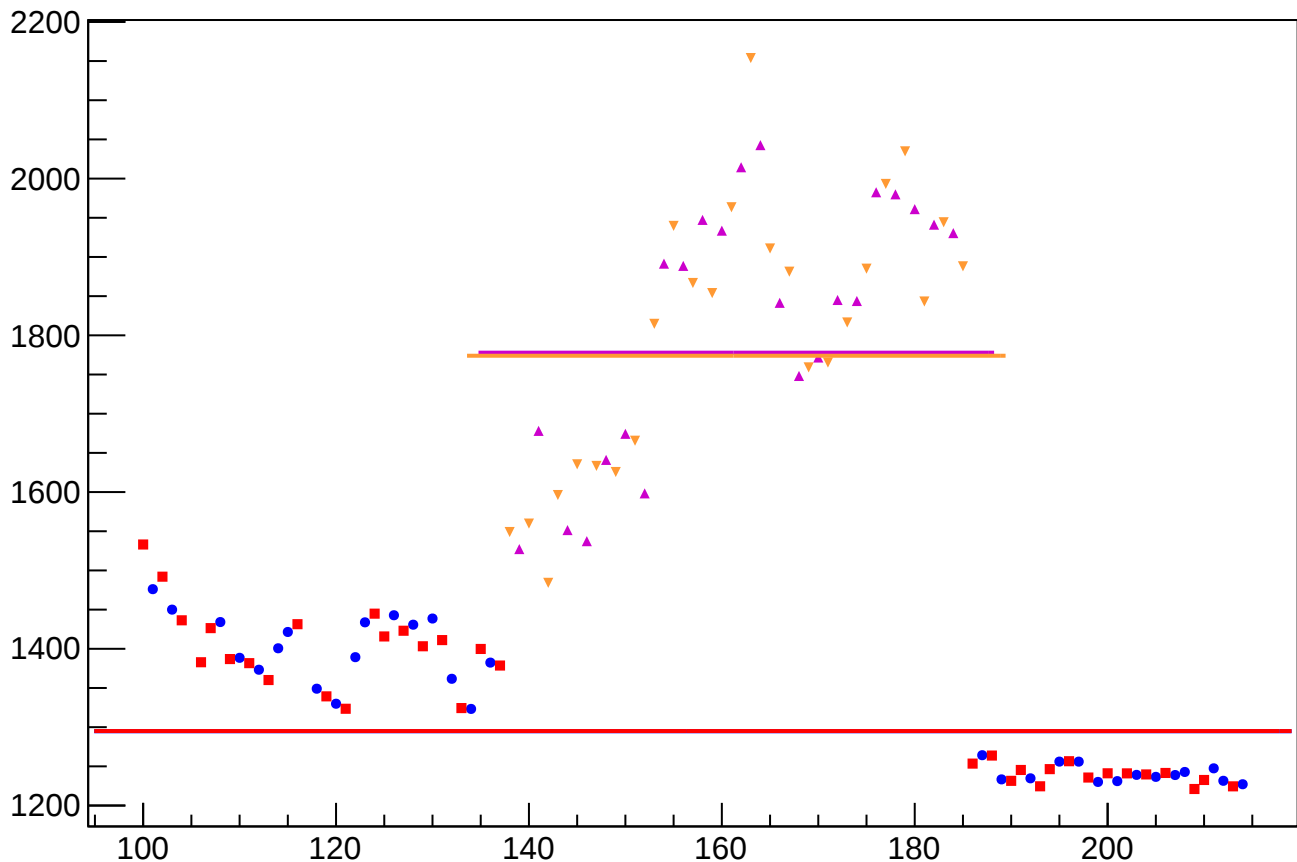
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -20.264 ± 0.252 χ^2/NDF : 7902.8/55

All: -14.694 ± 0.178 χ^2/NDF : 24793.6/112

- sign -9.112 ± 0.252 χ^2/NDF : 15911.6/56

diff_bpm0i02X_rms vs Slug



Right In: 1294.765 $\pm$ 0.224 χ^2 /NDF: 132182.1/30

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

Right Out: 1295.056 $\pm$ 0.220 χ^2 /NDF: 131186.7/33

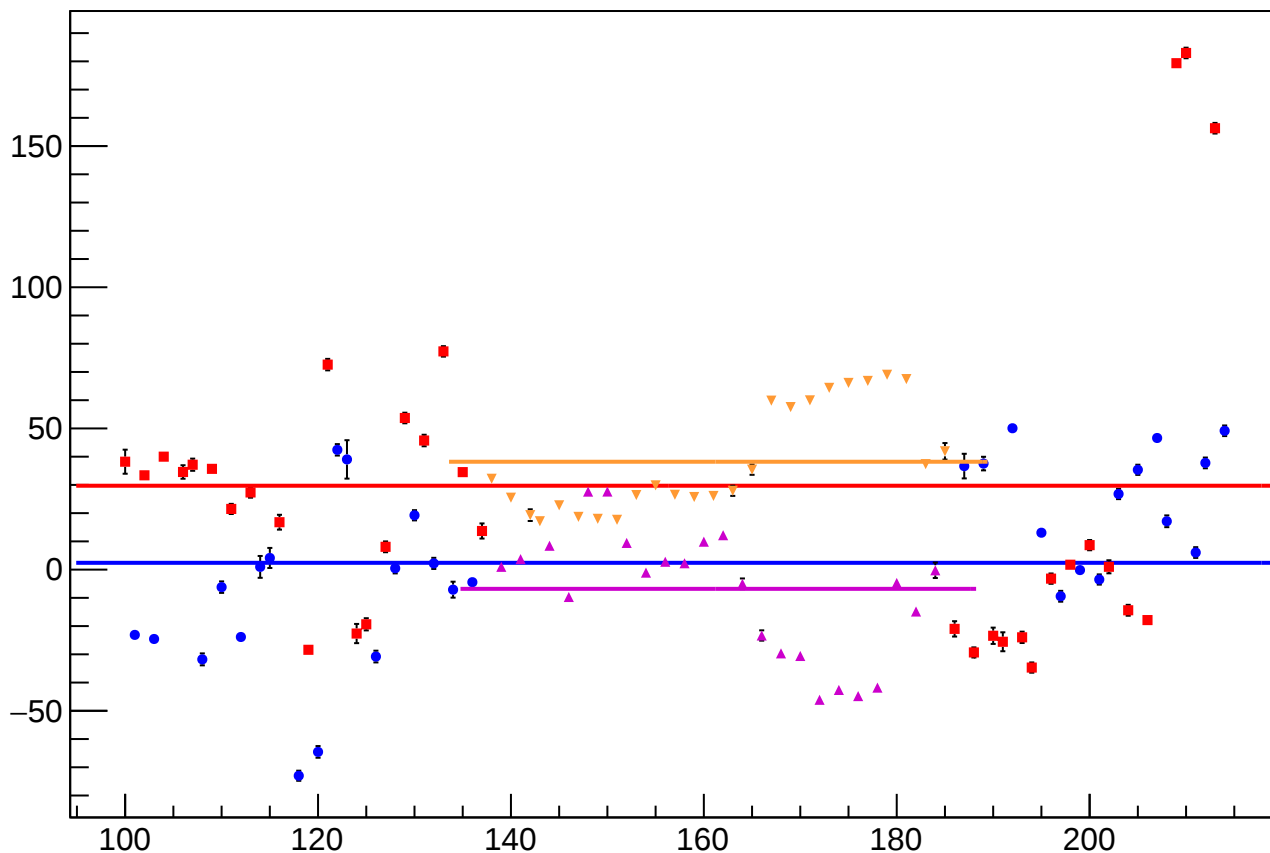
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF:299514.0/22

+ sign 1471.201 $\pm$ 0.178 χ^2 /NDF: 2129356.0/55

All: 1466.517 $\pm$ 0.126 χ^2 /NDF: 4219611.0/11

- sign 1461.823 $\pm$ 0.178 χ^2 /NDF: 2088870.0/56

diff_bpm0i02Y_mean vs Slug



Right In: 2.410 $\pm$ 0.349 χ^2 /NDF: 7965.7/30

Left Out: 38.206 $\pm$ 0.323 χ^2 /NDF: 3514.2/24

Right Out: 29.710 $\pm$ 0.341 χ^2 /NDF: 28384.5/33

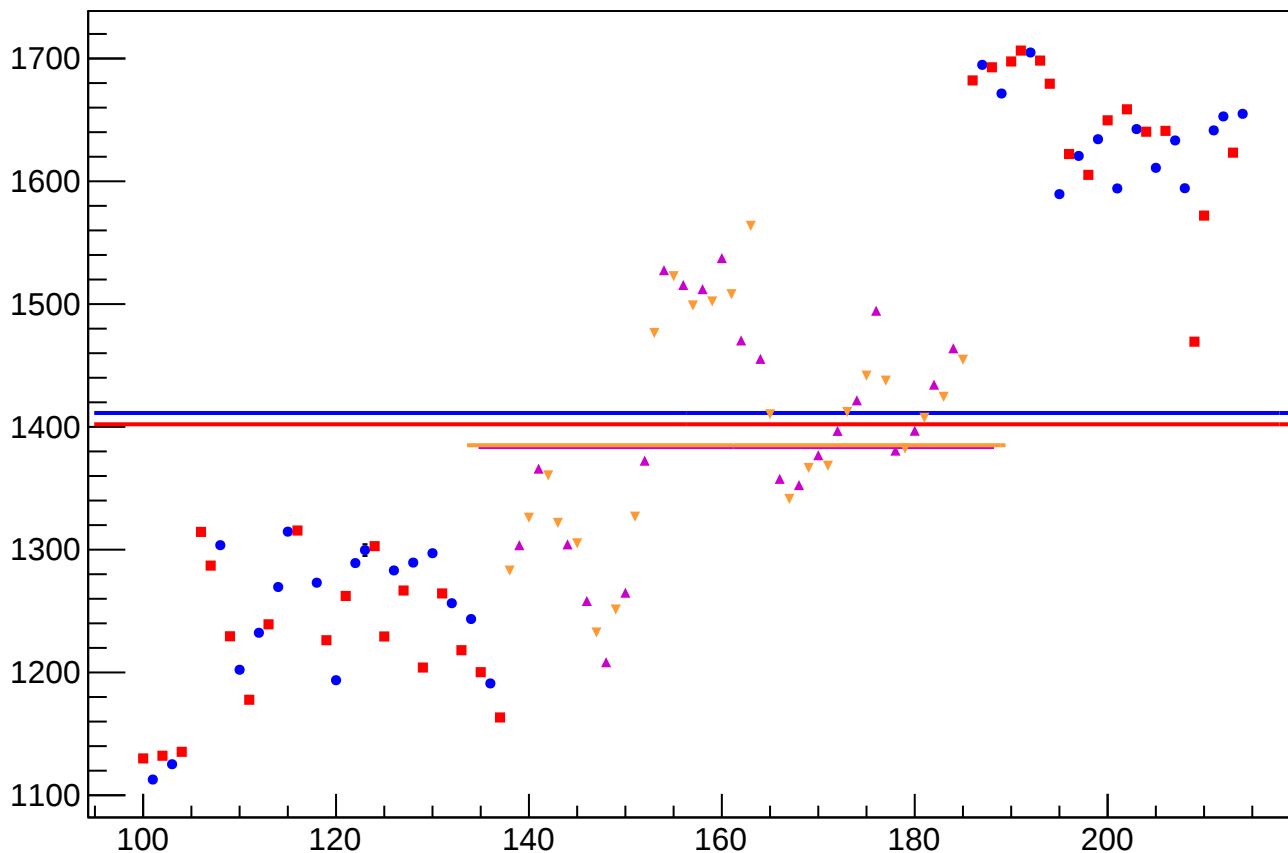
Left In: -6.808 $\pm$ 0.333 χ^2 /NDF: 4494.5/22

+ sign 21.653 $\pm$ 0.237 χ^2 /NDF: 17146.3/55

All: 16.367 $\pm$ 0.168 χ^2 /NDF: 56900.6/112

- sign 11.035 $\pm$ 0.238 χ^2 /NDF: 38755.8/56

diff_bpm0i02Y_rms vs Slug



Right In: 1411.313 $\pm$ 0.247 χ^2 /NDF: 732703.9/30

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

Right Out: 1402.115 $\pm$ 0.241 χ^2 /NDF: 787061.6/33

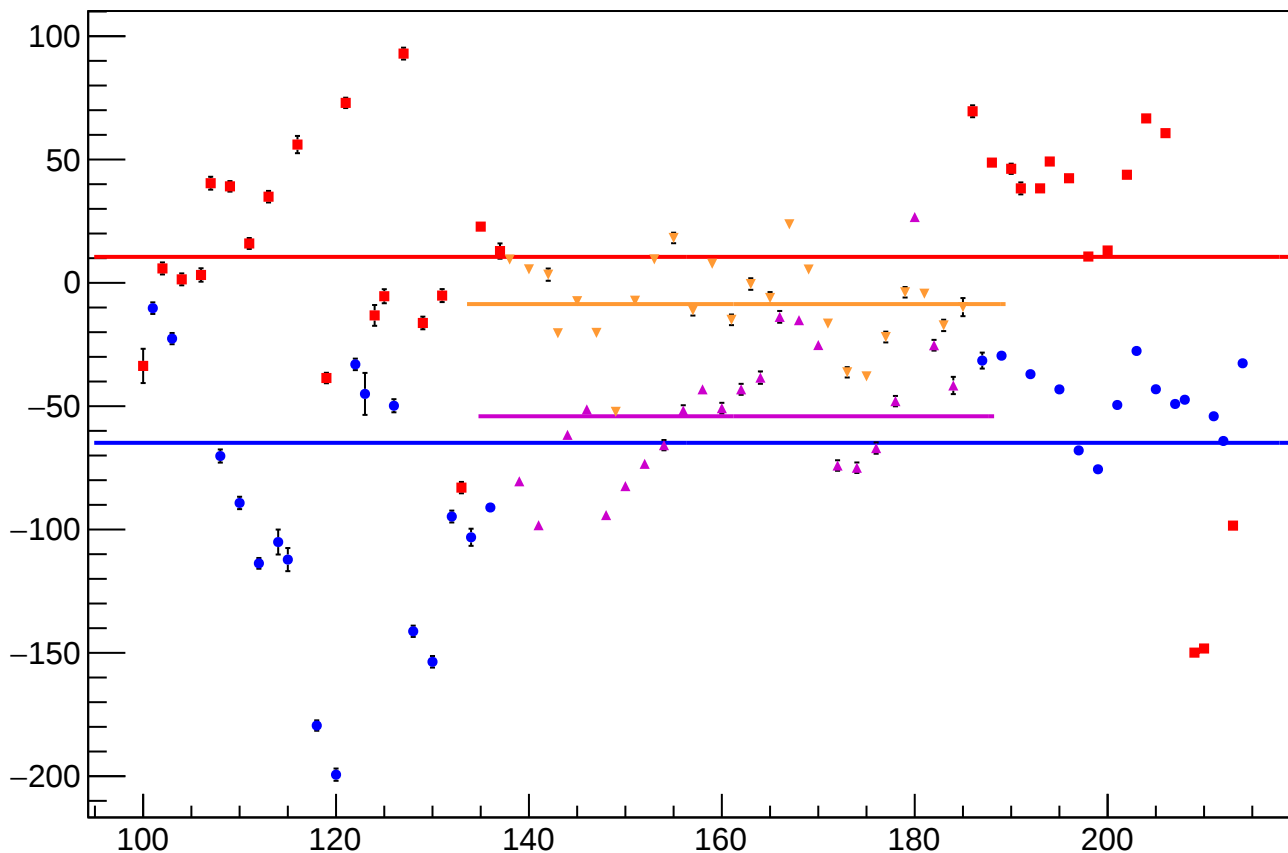
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF: 154696.0/22

+ sign 1397.202 $\pm$ 0.168 χ^2 /NDF: 884799.5/55

All: 1394.923 $\pm$ 0.119 χ^2 /NDF: 1829963.0/11

- sign 1392.625 $\pm$ 0.168 χ^2 /NDF: 944792.5/56

diff_bpm0i02aX_mean vs Slug



Right In: -64.852 ± 0.356 $\chi^2/\text{NDF}: 13518.2/30$

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

Right Out: 10.531 ± 0.346 $\chi^2/\text{NDF}: 32719.2/33$

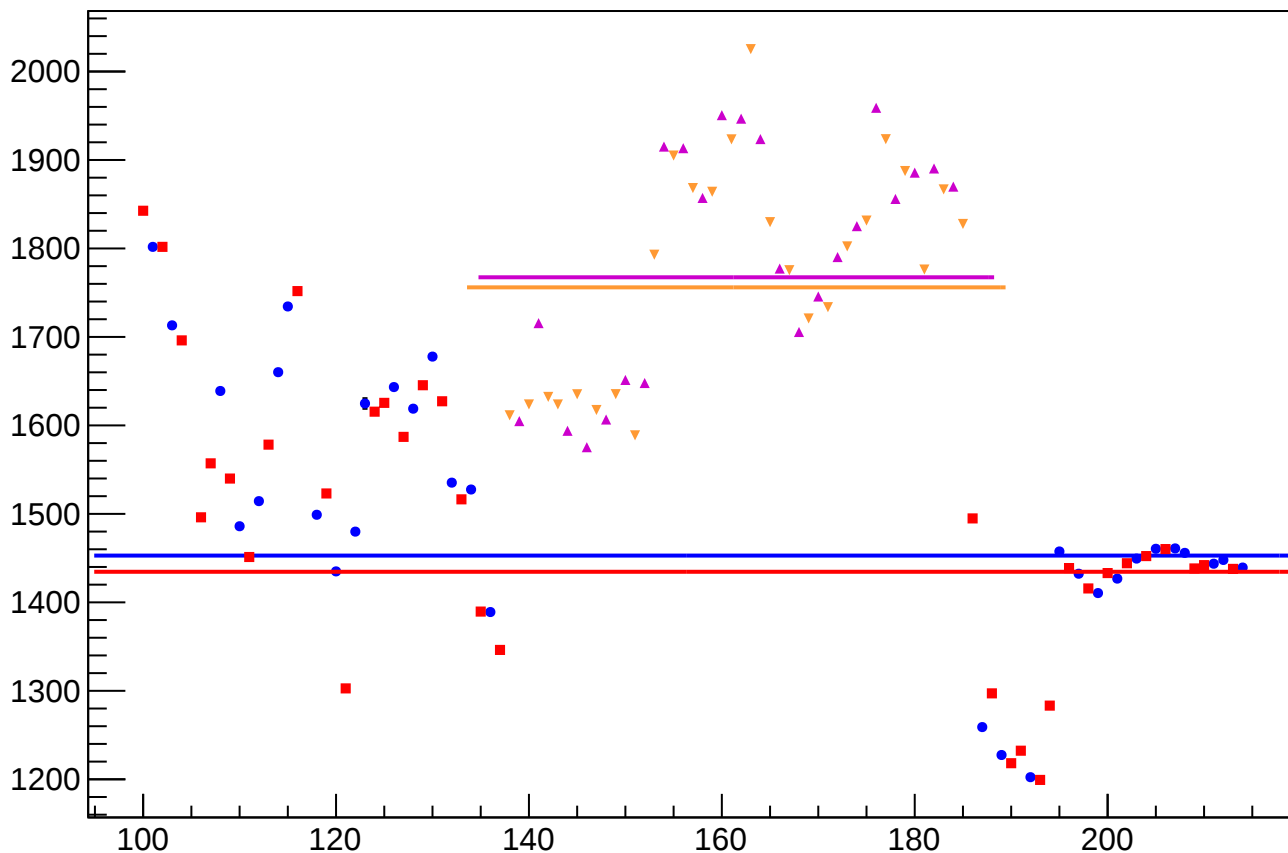
Left In: -54.089 ± 0.426 $\chi^2/\text{NDF}: 4721.6/22$

+ sign -40.665 ± 0.269 $\chi^2/\text{NDF}: 26164.4/55$

All: -27.903 ± 0.190 $\chi^2/\text{NDF}: 81974.6/112$

- sign -15.187 ± 0.269 $\chi^2/\text{NDF}: 51316.7/56$

diff_bpm0i02aX_rms vs Slug



Right In: 1452.867 $\pm$ 0.252 χ^2 /NDF: 261817.0/30

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

Right Out: 1434.560 $\pm$ 0.245 χ^2 /NDF: 308801.1/33

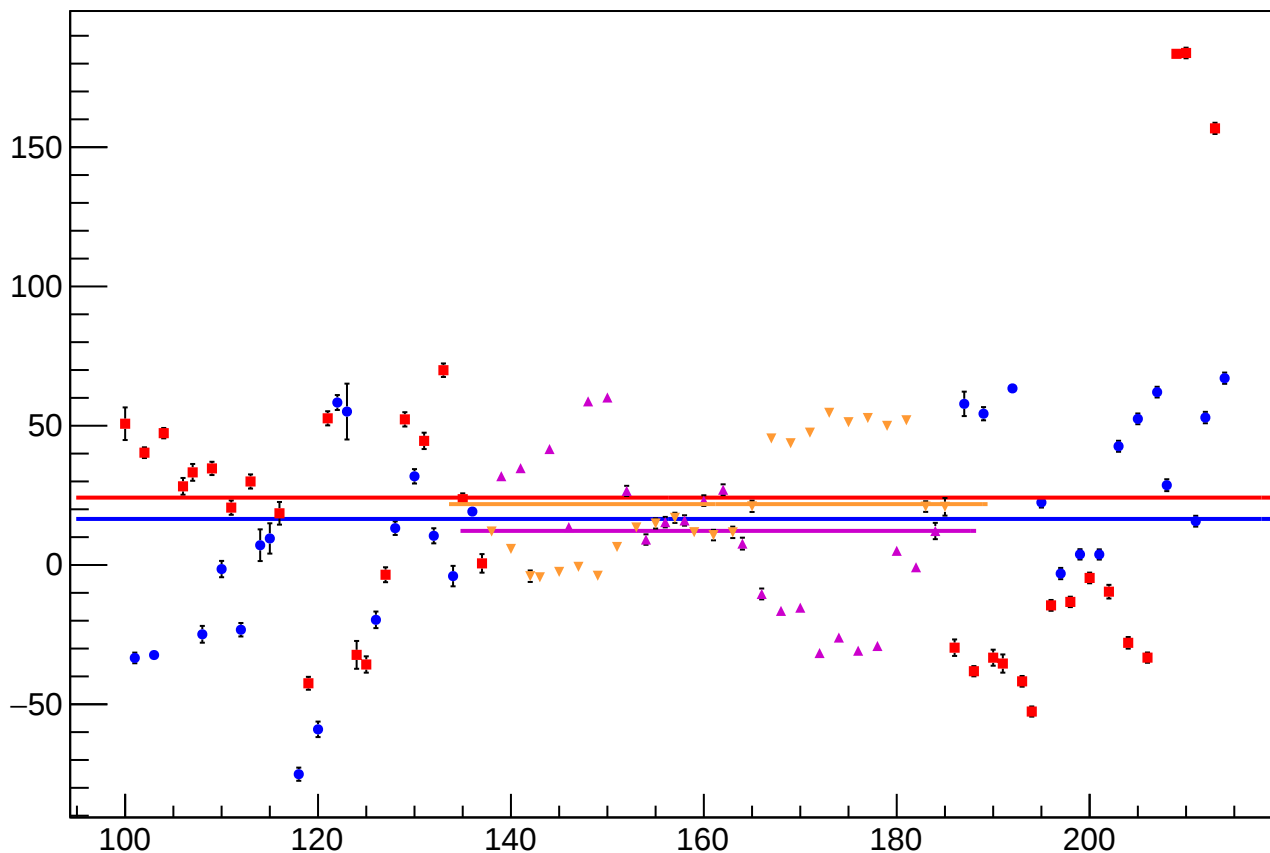
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF: 187958.2/22

+ sign 1583.233 $\pm$ 0.190 χ^2 /NDF: 1060201.2/55

All: 1575.117 $\pm$ 0.134 χ^2 /NDF: 2296889.3/11

- sign 1567.030 $\pm$ 0.190 χ^2 /NDF: 1233053.5/56

diff_bpm0i02aY_mean vs Slug



Right In: 16.534 ± 0.409 $\chi^2/\text{NDF}: 7966.0/30$

Left Out: 21.856 ± 0.335 $\chi^2/\text{NDF}: 4110.5/24$

Right Out: 24.193 ± 0.397 $\chi^2/\text{NDF}: 31157.7/33$

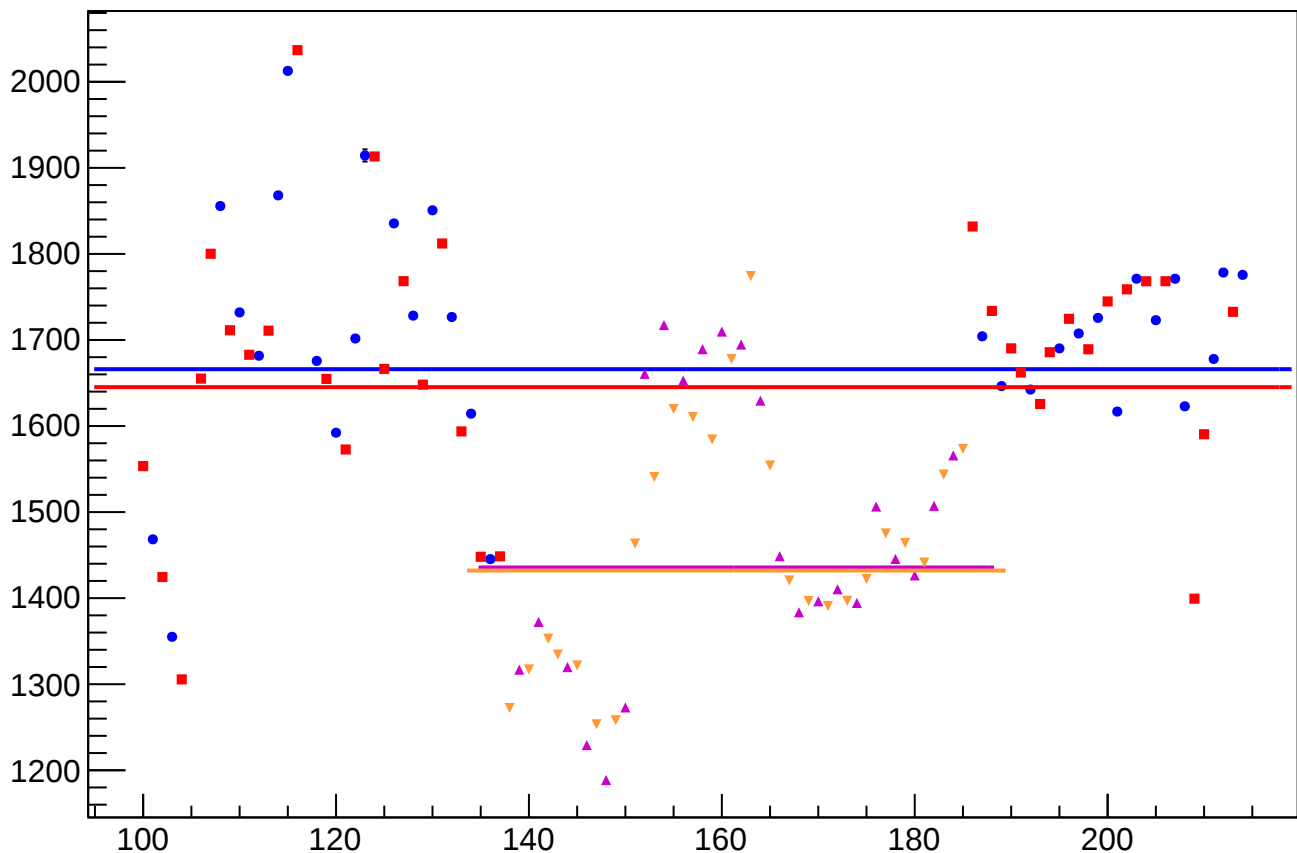
Left In: 12.246 ± 0.347 $\chi^2/\text{NDF}: 6781.6/22$

+ sign 19.715 ± 0.259 $\chi^2/\text{NDF}: 12177.9/55$

All: 18.577 ± 0.184 $\chi^2/\text{NDF}: 50669.4/112$

- sign 17.421 ± 0.261 $\chi^2/\text{NDF}: 38452.7/56$

diff_bpm0i02aY_rms vs Slug



Right In: 1666.053 $\pm$ 0.289 χ^2 /NDF: 193579.3/30

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

Right Out: 1645.172 $\pm$ 0.281 χ^2 /NDF: 258707.7/33

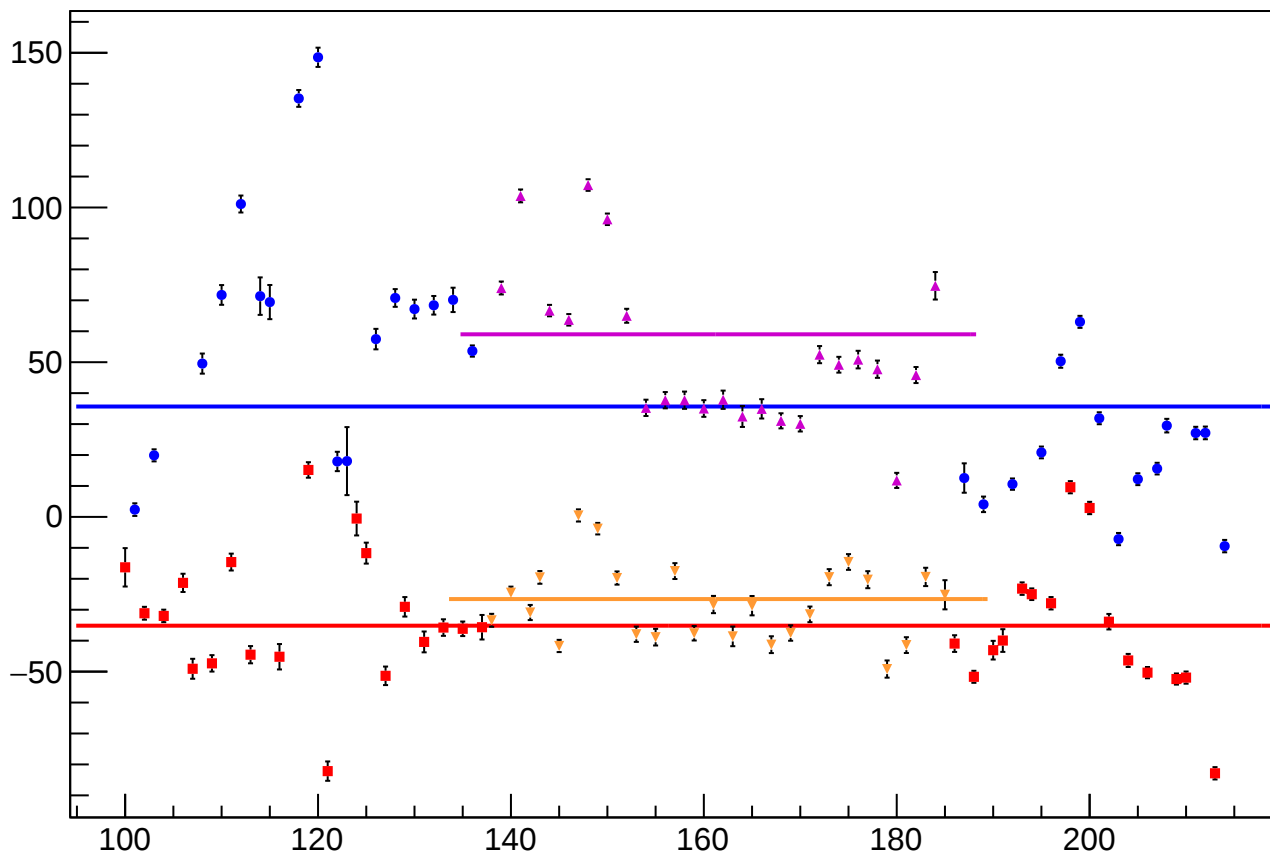
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1526.195 $\pm$ 0.183 χ^2 /NDF: 882744.9/55

All: 1526.304 $\pm$ 0.130 χ^2 /NDF: 1878092.4/11

- sign 1526.415 $\pm$ 0.185 χ^2 /NDF: 995346.7/56

diff_bpm0i05X_mean vs Slug



Right In: 35.678 ± 0.434 χ^2/NDF : 6368.5/30

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

Right Out: -35.158 ± 0.422 χ^2/NDF : 2780.5/33

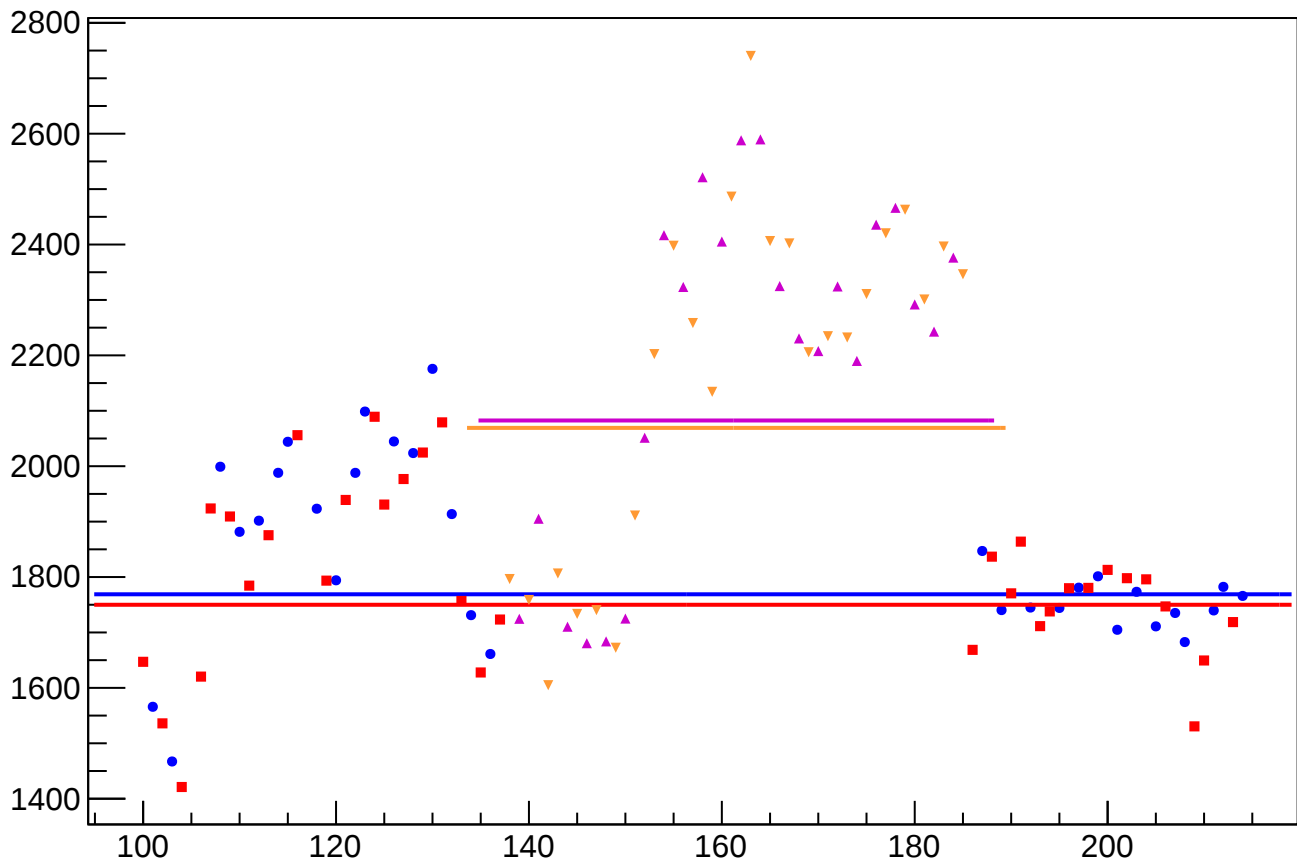
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

+ sign 8.202 ± 0.324 χ^2/NDF : 16173.5/55

All: 5.812 ± 0.229 χ^2/NDF : 42259.1/112

- sign 3.423 ± 0.324 χ^2/NDF : 25976.9/56

diff_bpm0i05X_rms vs Slug



Right In: 1768.879+/-0.307 χ^2/NDF : 198334.3/30

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

Right Out: 1749.959+/-0.298 χ^2/NDF : 228094.3/33

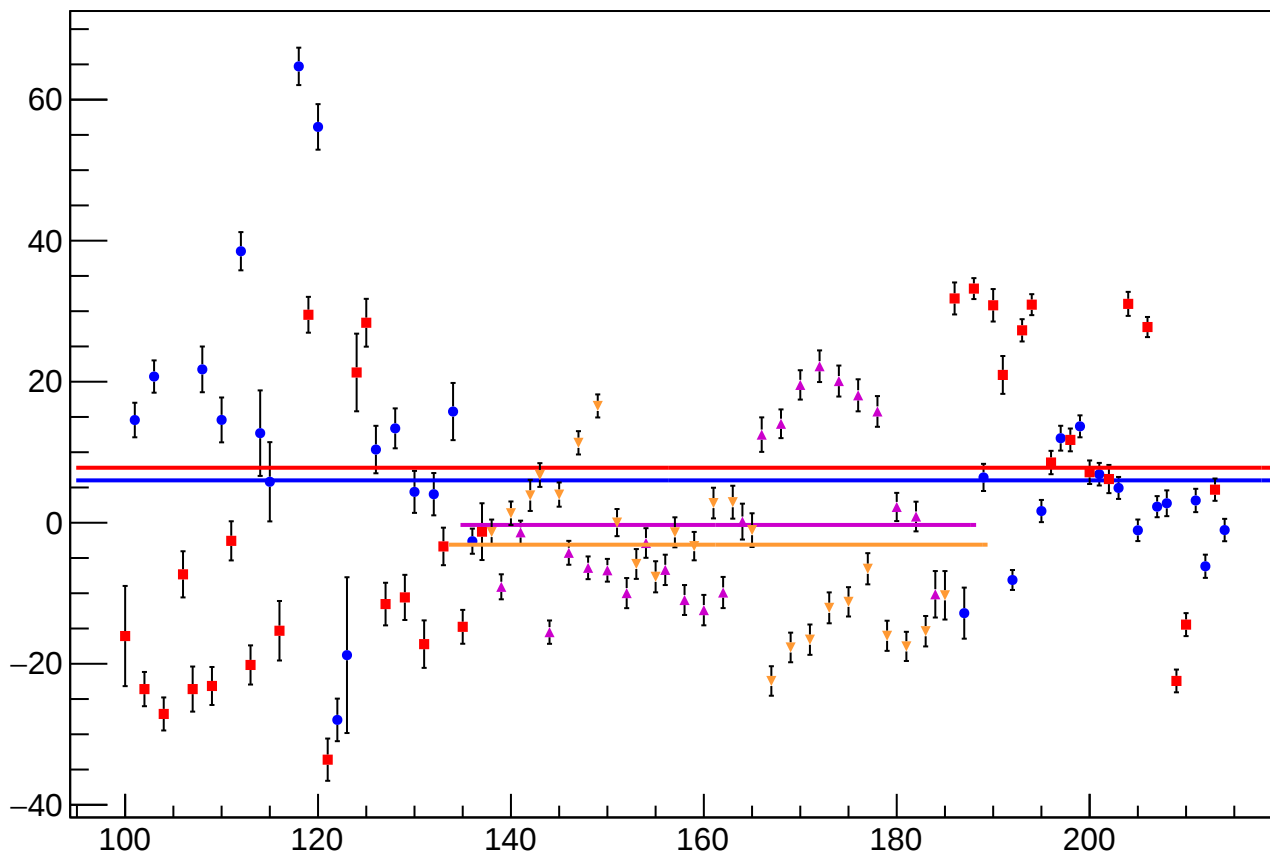
Left In: 2082.497+/-0.358 χ^2/NDF : 785304.0/22

+ sign 1901.449+/-0.229 χ^2/NDF : 1420498.8/55

All: 1893.821+/-0.162 χ^2/NDF : 2945176.5/11

- sign 1886.194+/-0.229 χ^2/NDF : 1522463.1/56

diff_bpm0i05Y_mean vs Slug



Right In: 6.008 ± 0.378 χ^2/NDF : 1409.7/30

Left Out: -3.112 ± 0.404 χ^2/NDF : 643.7/24

Right Out: 7.801 ± 0.371 χ^2/NDF : 3193.4/33

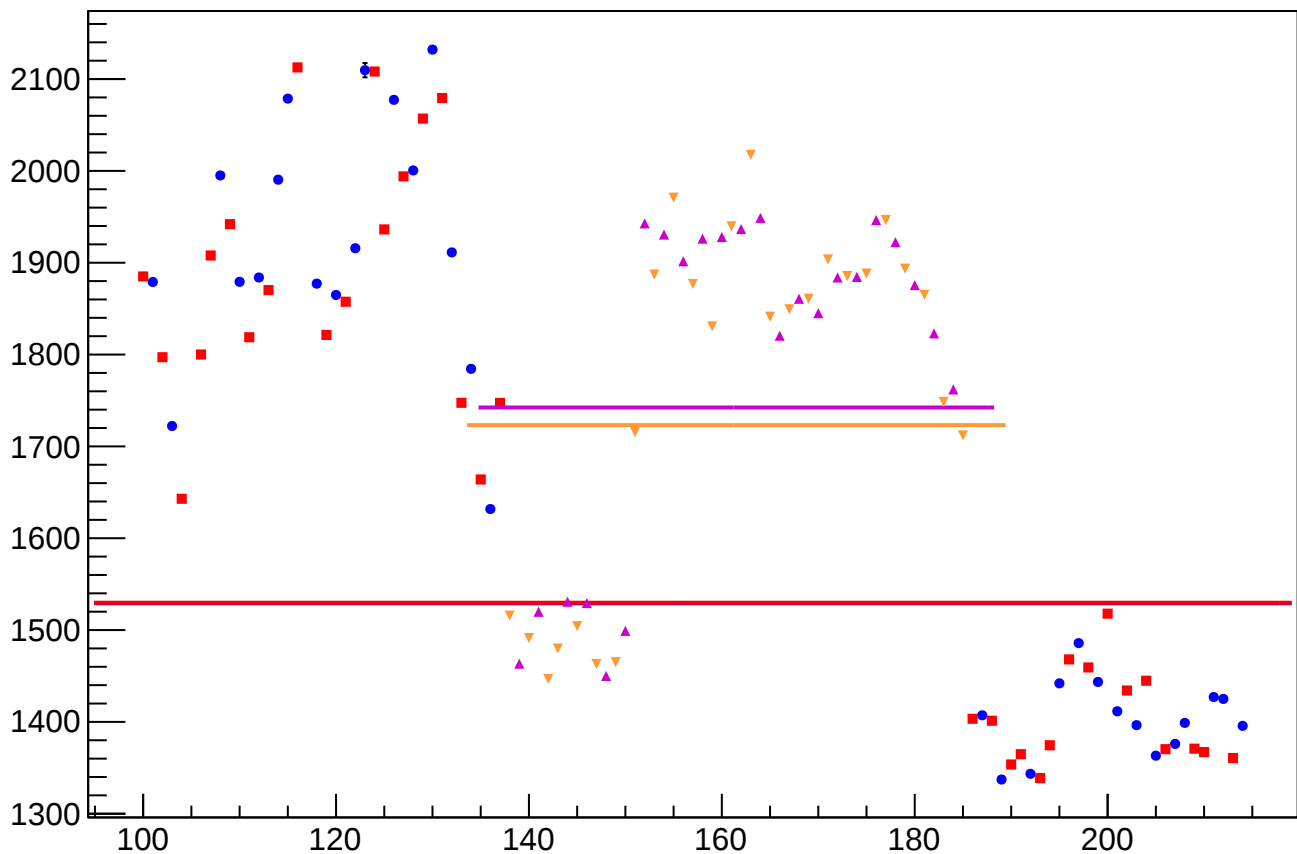
Left In: -0.312 ± 0.421 χ^2/NDF : 736.5/22

+ sign 1.757 ± 0.276 χ^2/NDF : 2325.1/55

All: 2.993 ± 0.196 χ^2/NDF : 6504.4/112

- sign 4.252 ± 0.278 χ^2/NDF : 4138.7/56

diff_bpm0i05Y_rms vs Slug



Right In: 1529.190 $\pm$ 0.267 χ^2 /NDF: 697198.2/30

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

Right Out: 1529.777 $\pm$ 0.263 χ^2 /NDF: 688249.2/33

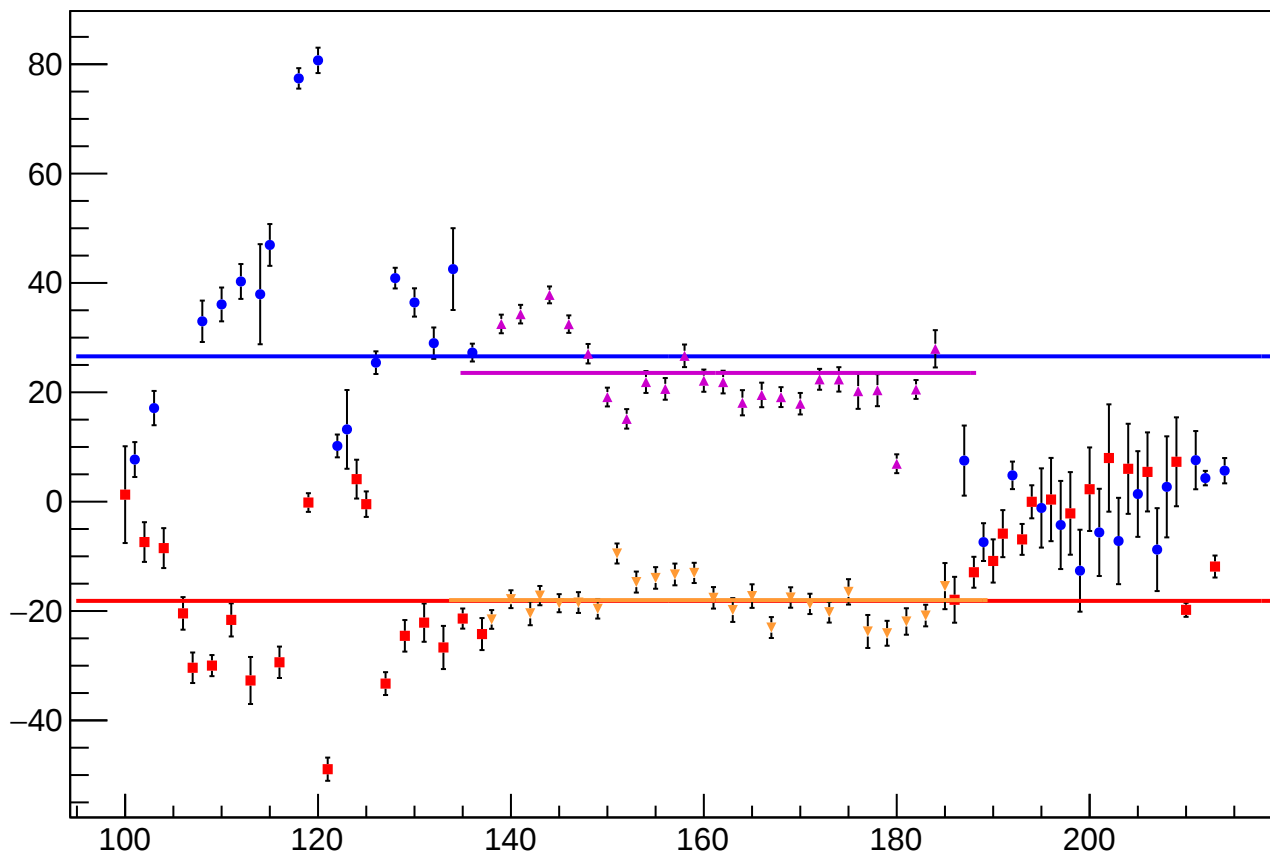
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

+ sign 1619.613 $\pm$ 0.195 χ^2 /NDF: 1420494.2/55

All: 1621.175 $\pm$ 0.139 χ^2 /NDF: 2831465.0/11

- sign 1622.766 $\pm$ 0.197 χ^2 /NDF: 1410841.4/56

diff_bpm0i07X_mean vs Slug



Right In: 26.576 ± 0.524 χ^2/NDF : 2217.8/30

Left Out: -18.007 ± 0.397 χ^2/NDF : 73.8/24

Right Out: -18.148 ± 0.488 χ^2/NDF : 726.6/33

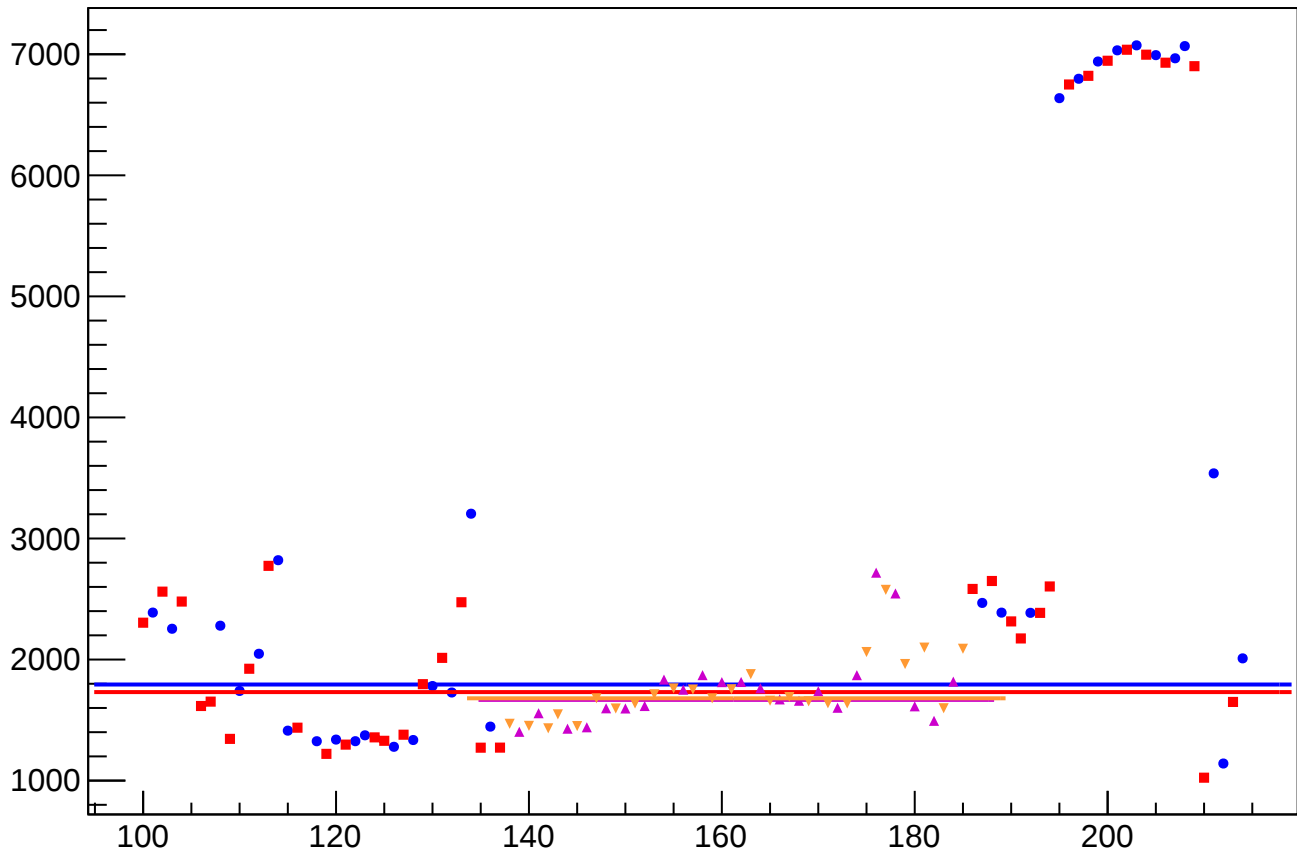
Left In: 23.544 ± 0.406 χ^2/NDF : 346.7/22

+ sign -1.771 ± 0.316 χ^2/NDF : 6891.6/55

All: 2.428 ± 0.222 χ^2/NDF : 12627.5/112

- sign 6.514 ± 0.312 χ^2/NDF : 5388.1/56

diff_bpm0i07X_rms vs Slug



Right In: 1793.779 $\pm$ 0.371 χ^2 /NDF: 8656485.5/30

Left Out: 1679.814 $\pm$ 0.281 χ^2 /NDF:522795.6/24

Right Out: 1731.203 $\pm$ 0.345 χ^2 /NDF: 8288213.0/33

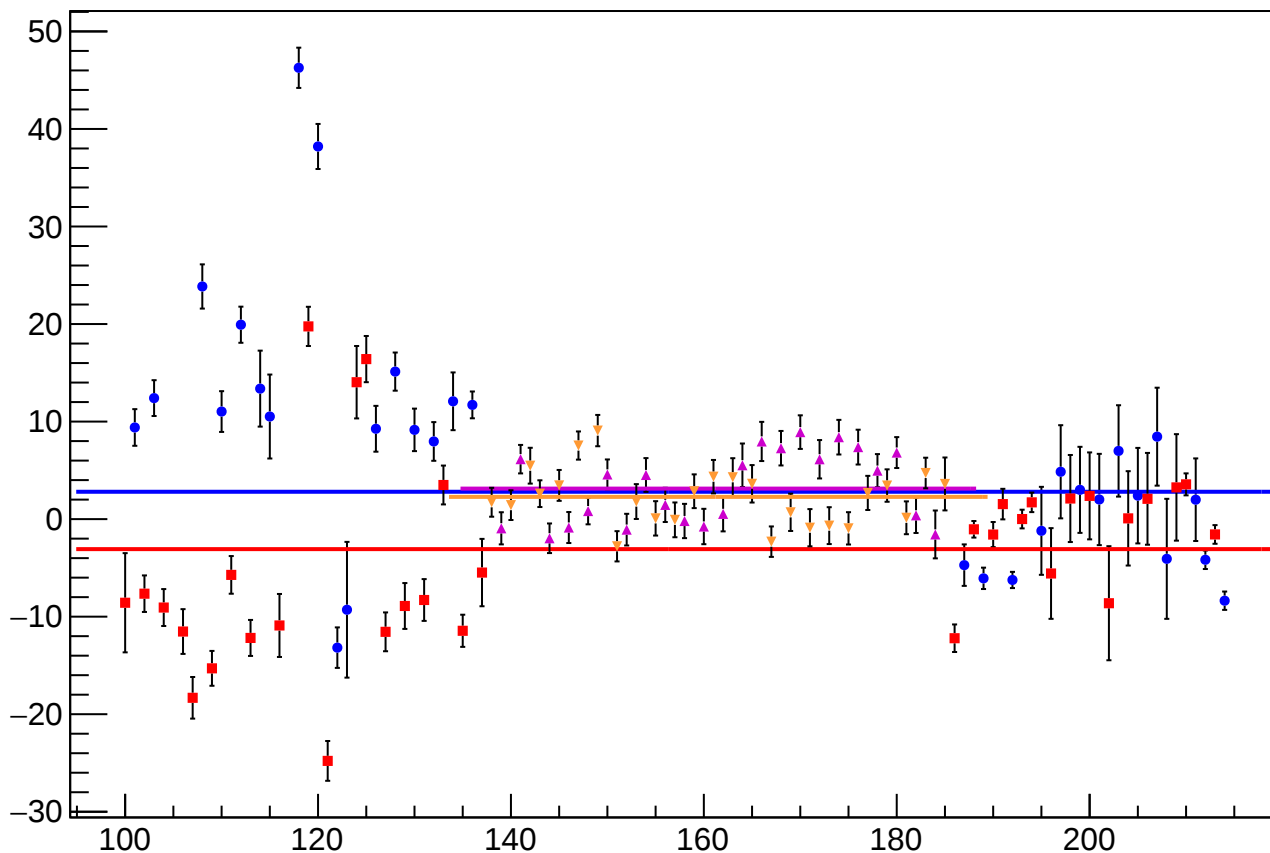
Left In: 1666.819 $\pm$ 0.287 χ^2 /NDF:650990.8/22

+ sign 1721.318 $\pm$ 0.224 χ^2 /NDF: 9239396.0/55

All: 1707.024 $\pm$ 0.157 χ^2 /NDF: 18207236.9/1

- sign 1693.118 $\pm$ 0.221 χ^2 /NDF: 8959783.7/56

diff_bpm0i07Y_mean vs Slug



Right In: 2.805 ± 0.337 χ^2/NDF : 1488.7/30

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

Right Out: -3.076 ± 0.298 χ^2/NDF : 694.3/33

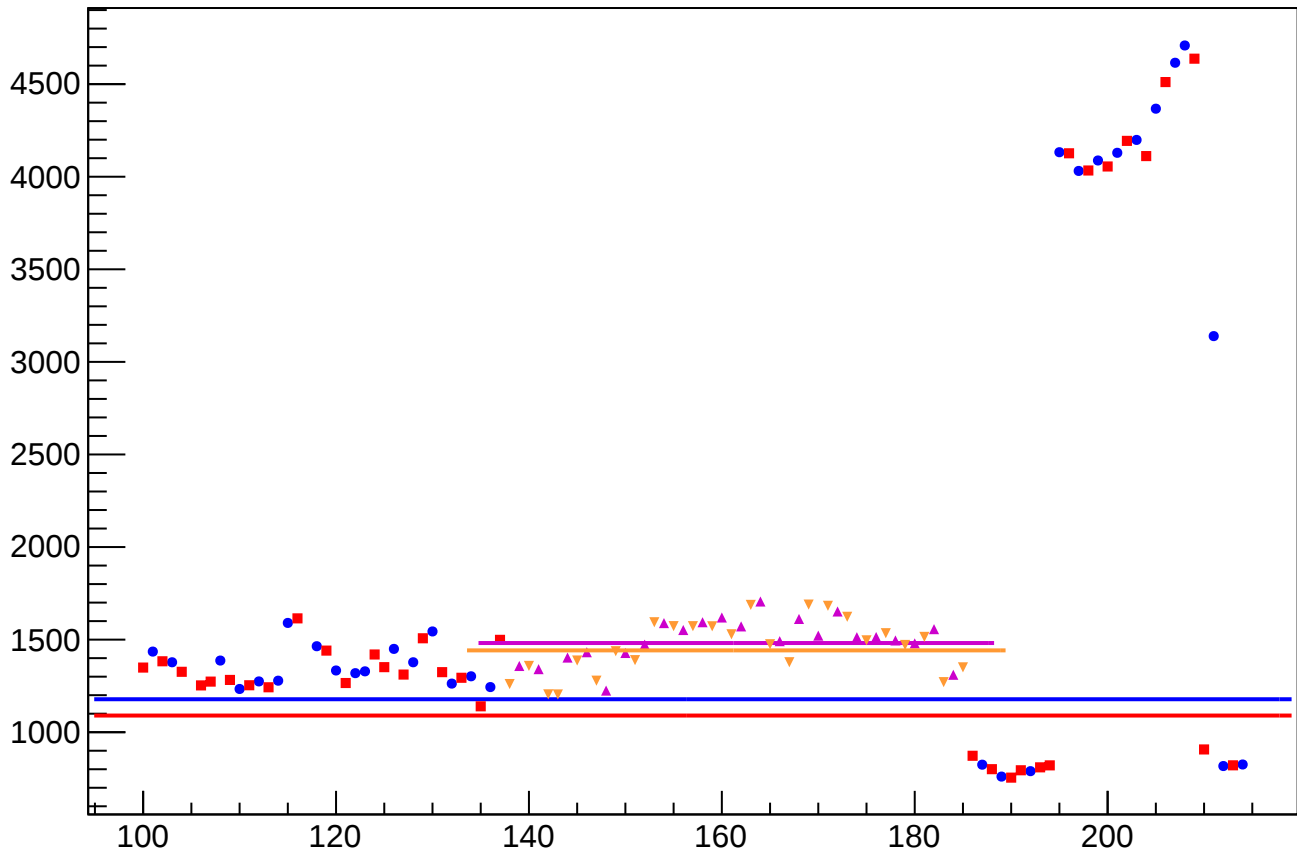
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 2.543 ± 0.239 χ^2/NDF : 1565.5/55

All: 0.941 ± 0.165 χ^2/NDF : 2627.1/112

- sign -0.532 ± 0.229 χ^2/NDF : 975.2/56

diff_bpm0i07Y_rms vs Slug



Right In: 1178.083+/-0.239 χ^2/NDF : 8575302.5/30

Left Out: 1441.951+/-0.239 χ^2/NDF : 370617.4/24

Right Out: 1090.018+/-0.211 χ^2/NDF : 7360506.9/33

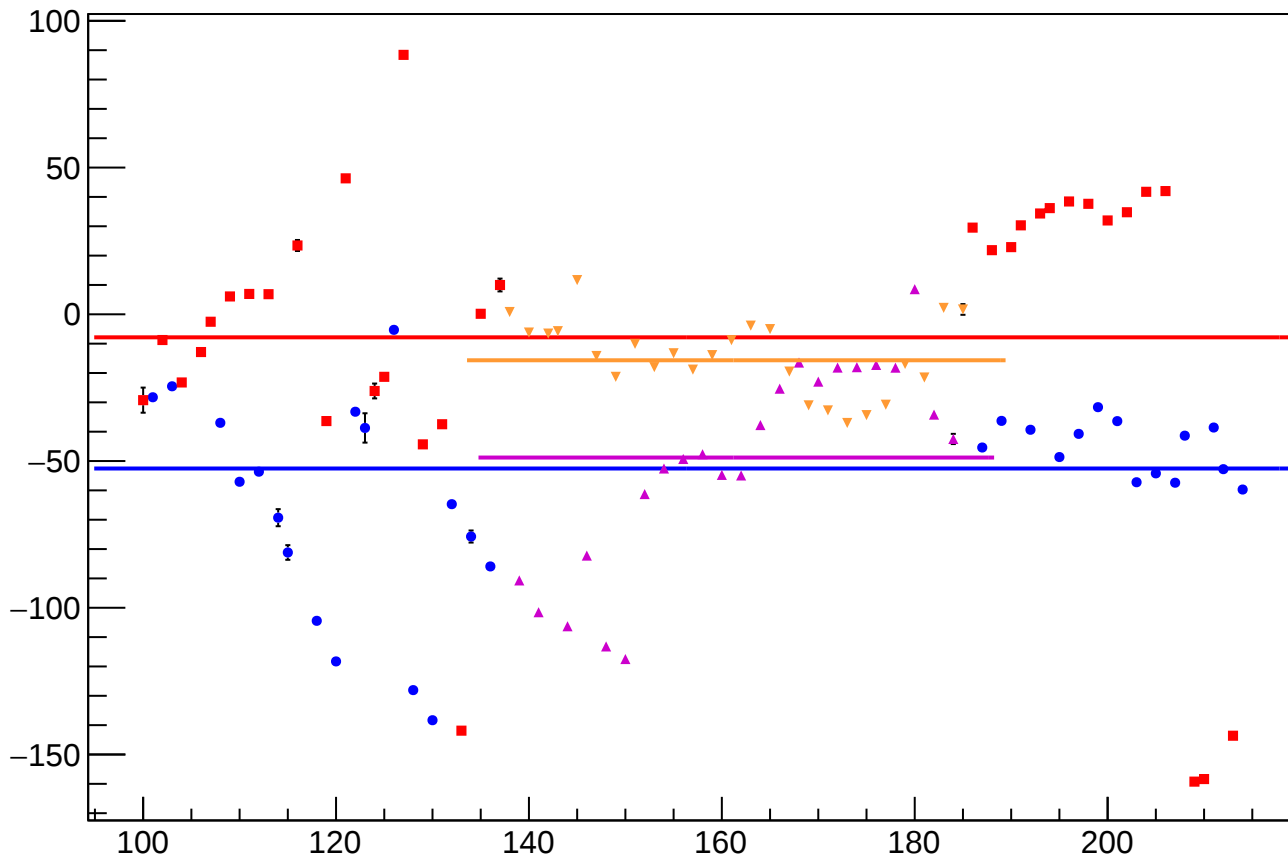
Left In: 1481.695+/-0.253 χ^2/NDF : 208470.6/22

+ sign 1309.681+/-0.169 χ^2/NDF : 9556041.2/55

All: 1278.902+/-0.117 χ^2/NDF : 18604023.7/100

- sign 1250.613+/-0.162 χ^2/NDF : 8984255.4/56

diff_bpm1i02X_mean vs Slug



Right In: -52.546 ± 0.176 χ^2/NDF : 17735.3/30

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

Right Out: -7.847 ± 0.174 χ^2/NDF : 171886.8/33

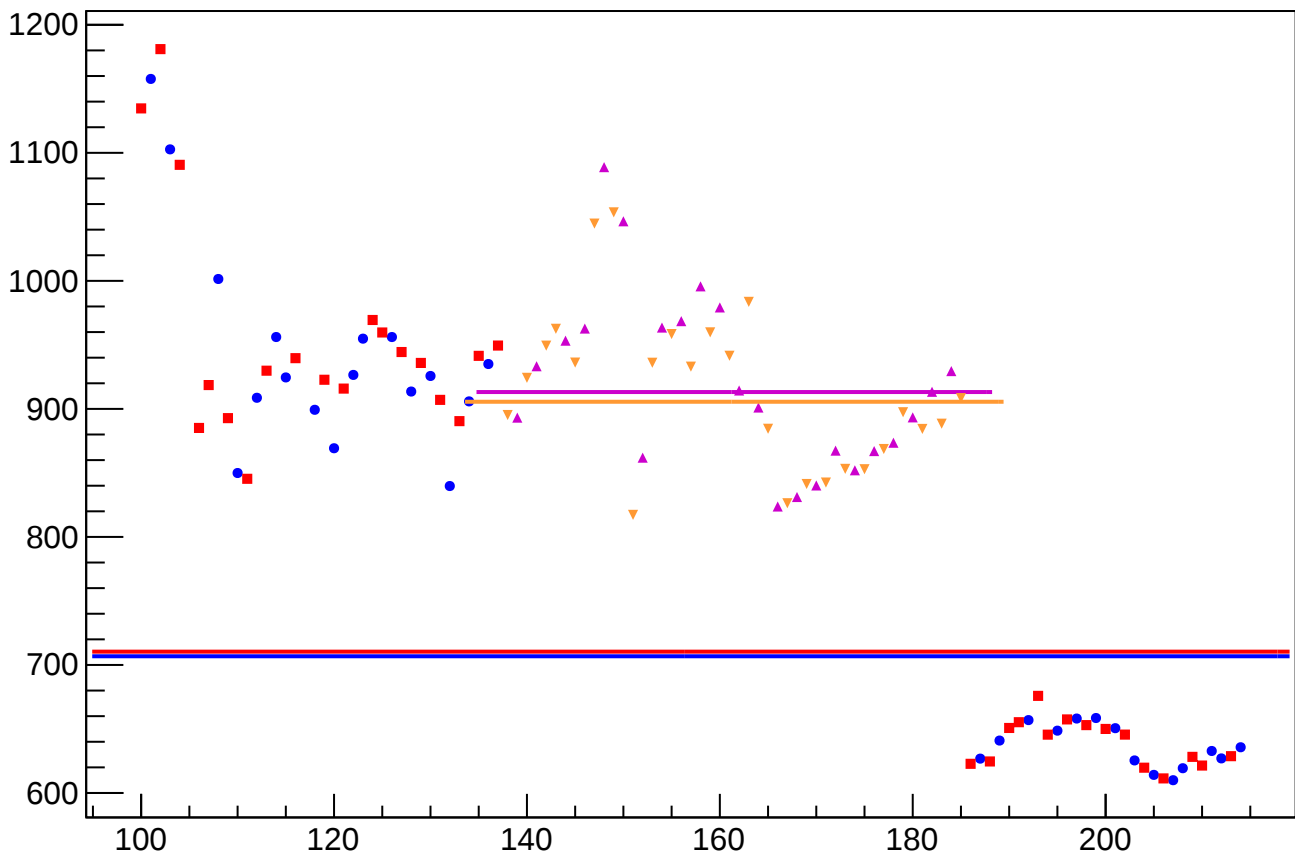
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -37.483 ± 0.135 χ^2/NDF : 39238.5/55

All: -30.590 ± 0.096 χ^2/NDF : 263005.6/112

- sign -23.585 ± 0.136 χ^2/NDF : 218524.5/56

diff_bpm1i02X_rms vs Slug



Right In: 706.782 $\pm$ 0.124 χ^2 /NDF: 1167571.0/30

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

Right Out: 710.395 $\pm$ 0.123 χ^2 /NDF: 1216138.7/33

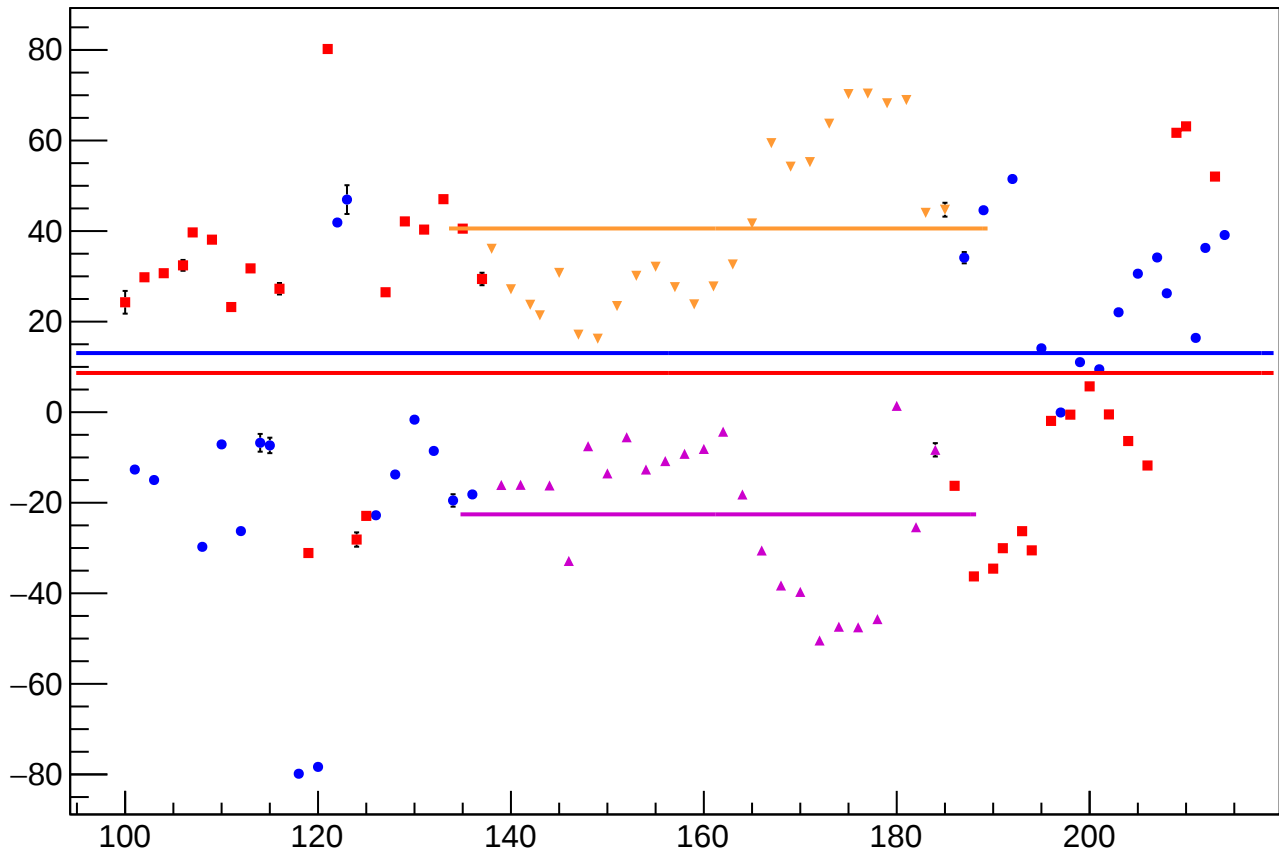
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF:174438.8/22

+ sign 787.978 $\pm$ 0.096 χ^2 /NDF: 2374769.0/55

All: 788.134 $\pm$ 0.068 χ^2 /NDF: 4812854.2/112

- sign 788.292 $\pm$ 0.096 χ^2 /NDF: 2438079.8/56

diff_bpm1i02Y_mean vs Slug



Right In: 13.055+/-0.131 χ^2/NDF : 46061.4/30

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

Right Out: 8.660+/-0.128 χ^2/NDF : 68136.5/33

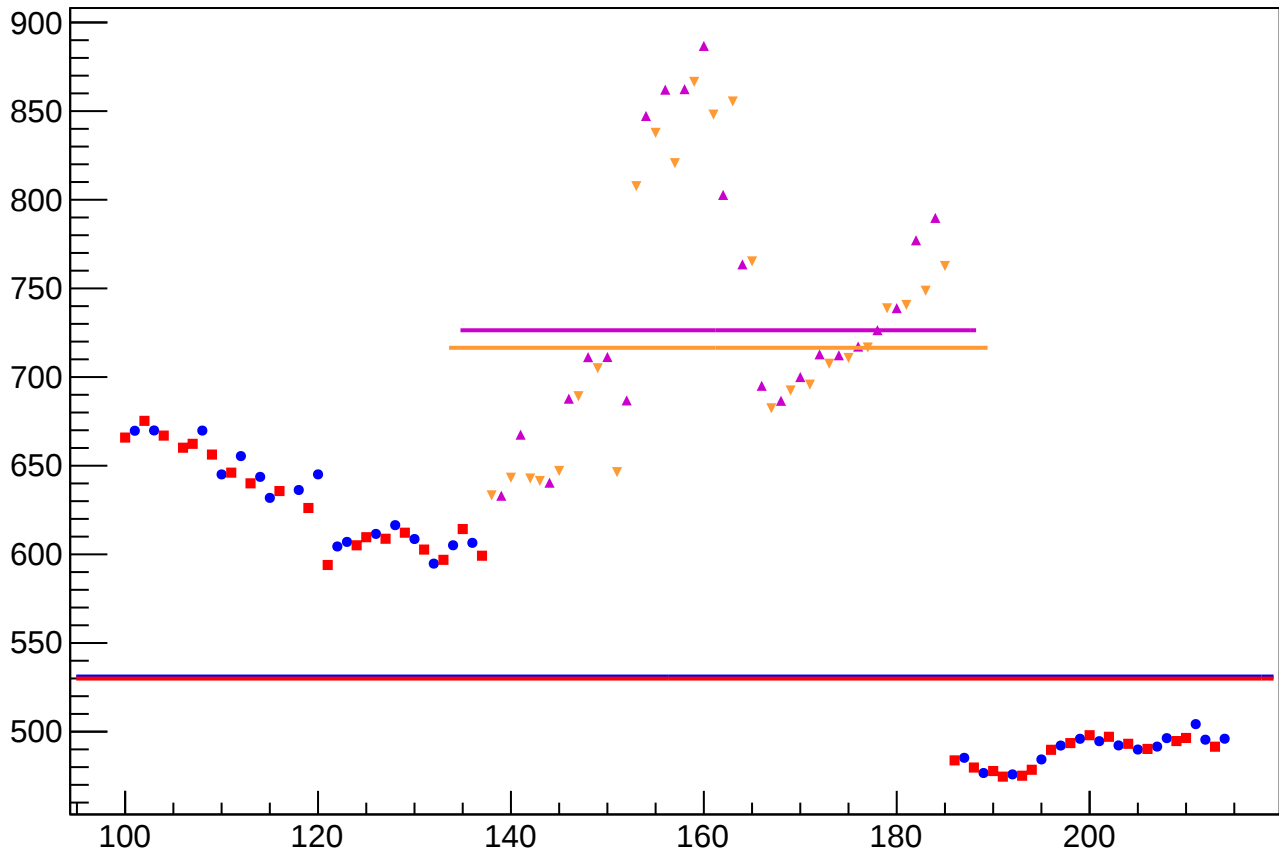
Left In: -22.565+/-0.175 χ^2/NDF : 8167.7/22

+ sign 23.441+/-0.103 χ^2/NDF : 74875.1/55

All: 10.655+/-0.073 χ^2/NDF : 202717.9/112

- sign -2.225+/-0.103 χ^2/NDF : 96976.9/56

diff_bpm1i02Y_rms vs Slug



Right In: 531.086+/-0.092 χ^2/NDF : 492377.2/30

Left Out: 716.515+/-0.119 χ^2/NDF :342740.2/24

Right Out: 529.946+/-0.091 χ^2/NDF : 535545.4/33

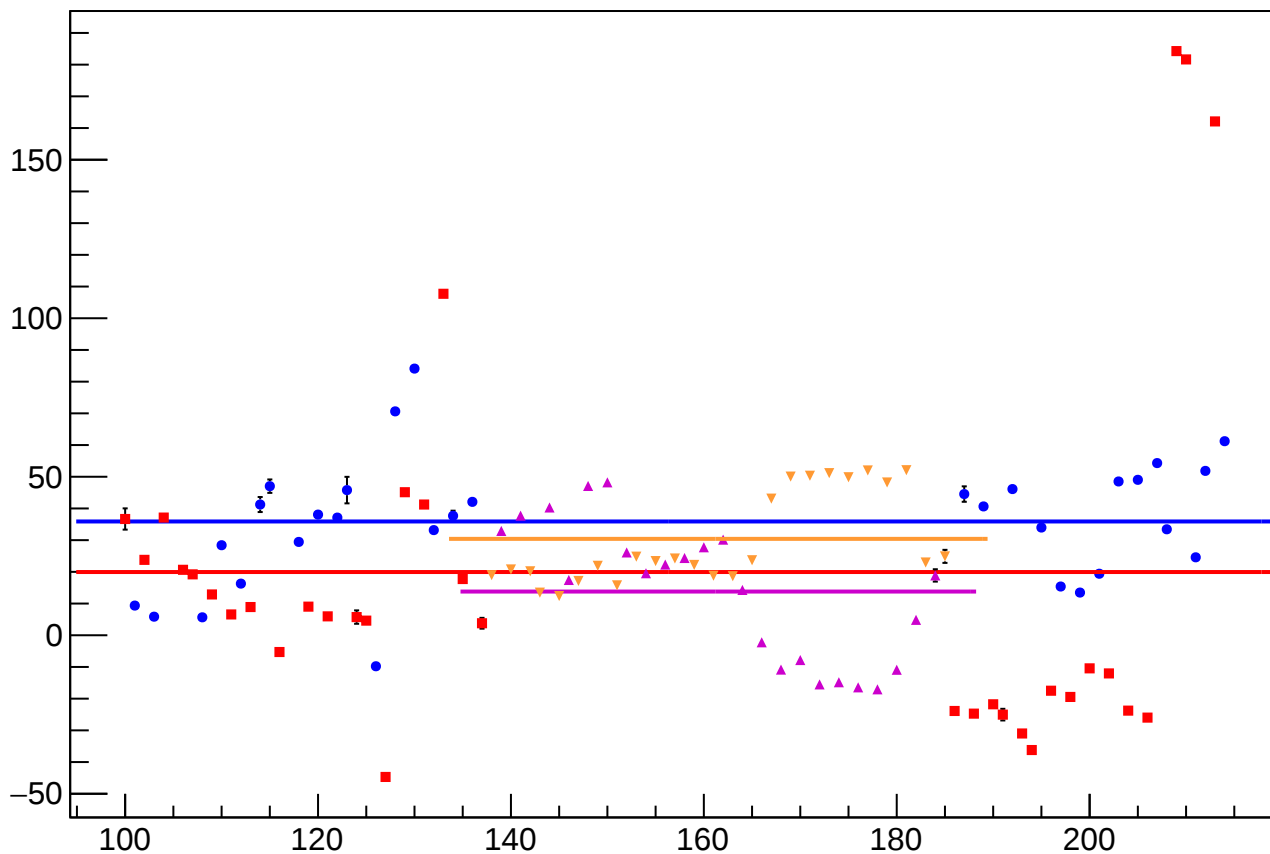
Left In: 726.390+/-0.124 χ^2/NDF :289788.8/22

+ sign 601.072+/-0.073 χ^2/NDF : 2354928.8/55

All: 599.753+/-0.052 χ^2/NDF : 4817314.9/112

- sign 598.424+/-0.073 χ^2/NDF : 2461729.0/56

diff_bpm1i04X_mean vs Slug



Right In: 35.895 ± 0.211 χ^2/NDF : 9167.9/30

Left Out: 30.408 ± 0.237 χ^2/NDF : 3808.0/24

Right Out: 19.945 ± 0.207 χ^2/NDF : 89192.8/33

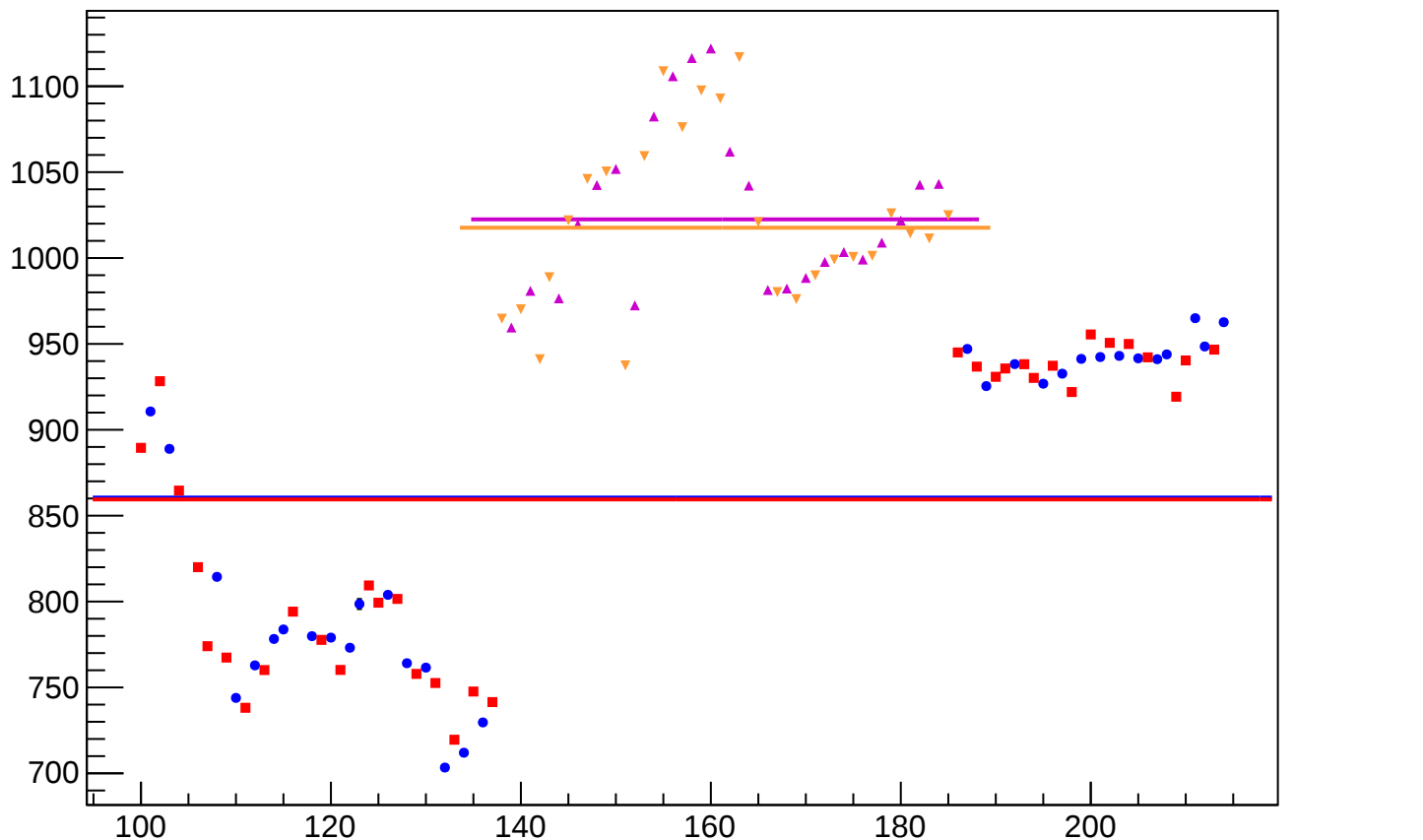
Left In: 13.787 ± 0.246 χ^2/NDF : 7979.7/22

+ sign 33.468 ± 0.158 χ^2/NDF : 13273.9/55

All: 25.459 ± 0.112 χ^2/NDF : 115981.1/112

- sign 17.384 ± 0.159 χ^2/NDF : 97539.1/56

diff_bpm1i04X_rms vs Slug



Right In: 860.534 $\pm$ 0.149 χ^2 /NDF: 377271.6/30

Left Out: 1017.653 $\pm$ 0.168 χ^2 /NDF:83612.5/24

Right Out: 859.465 $\pm$ 0.147 χ^2 /NDF: 348269.7/33

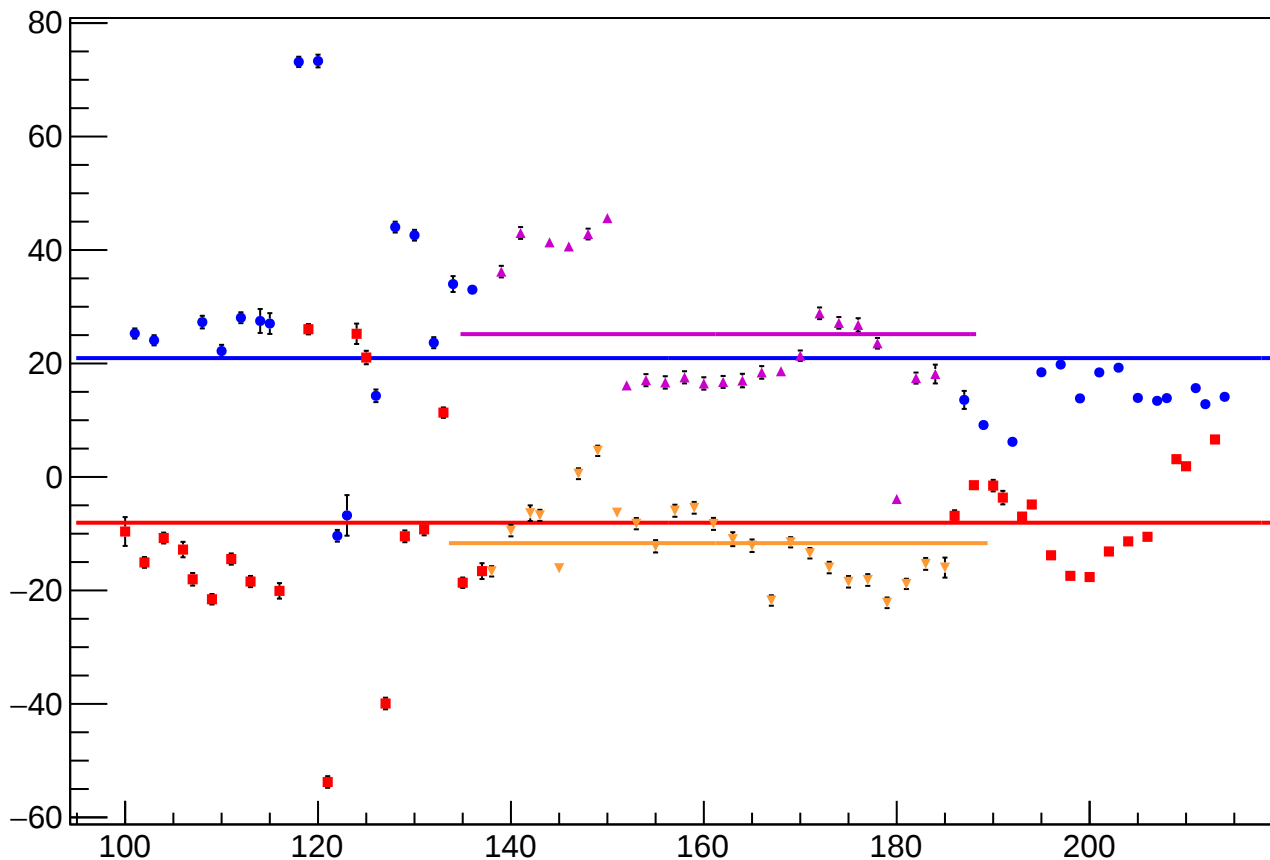
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF:69635.5/22

+ sign 930.028 $\pm$ 0.112 χ^2 /NDF: 949456.7/55

All: 928.653 $\pm$ 0.079 χ^2 /NDF: 1881607.7/112

- sign 927.267 $\pm$ 0.112 χ^2 /NDF: 931846.5/56

diff_bpm1i04Y_mean vs Slug



Right In: 20.950 ± 0.150 $\chi^2/\text{NDF}: 9740.3/30$

Left Out: -11.664 ± 0.200 $\chi^2/\text{NDF}: 1147.4/24$

Right Out: -8.066 ± 0.147 $\chi^2/\text{NDF}: 8432.2/33$

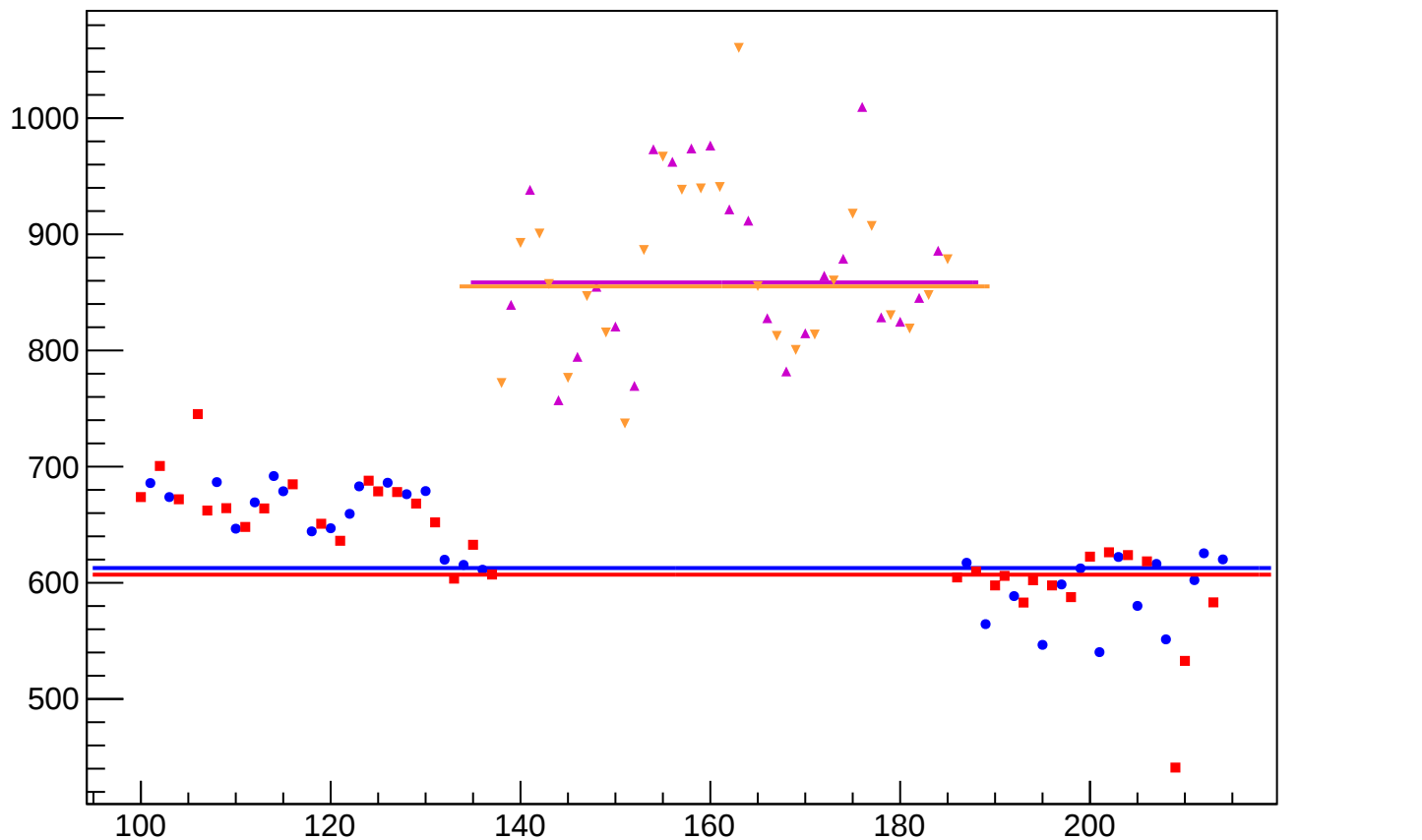
Left In: 25.174 ± 0.207 $\chi^2/\text{NDF}: 3747.1/22$

+ sign 9.183 ± 0.120 $\chi^2/\text{NDF}: 27836.6/55$

All: 6.091 ± 0.085 $\chi^2/\text{NDF}: 58450.8/112$

- sign 3.025 ± 0.120 $\chi^2/\text{NDF}: 29298.7/56$

diff_bpm1i04Y_rms vs Slug



Right In: 612.718 $\pm$ 0.106 χ^2 /NDF: 165131.1/30

Left Out: 855.131 $\pm$ 0.142 χ^2 /NDF: 233746.7/24

Right Out: 607.011 $\pm$ 0.104 χ^2 /NDF: 362021.5/33

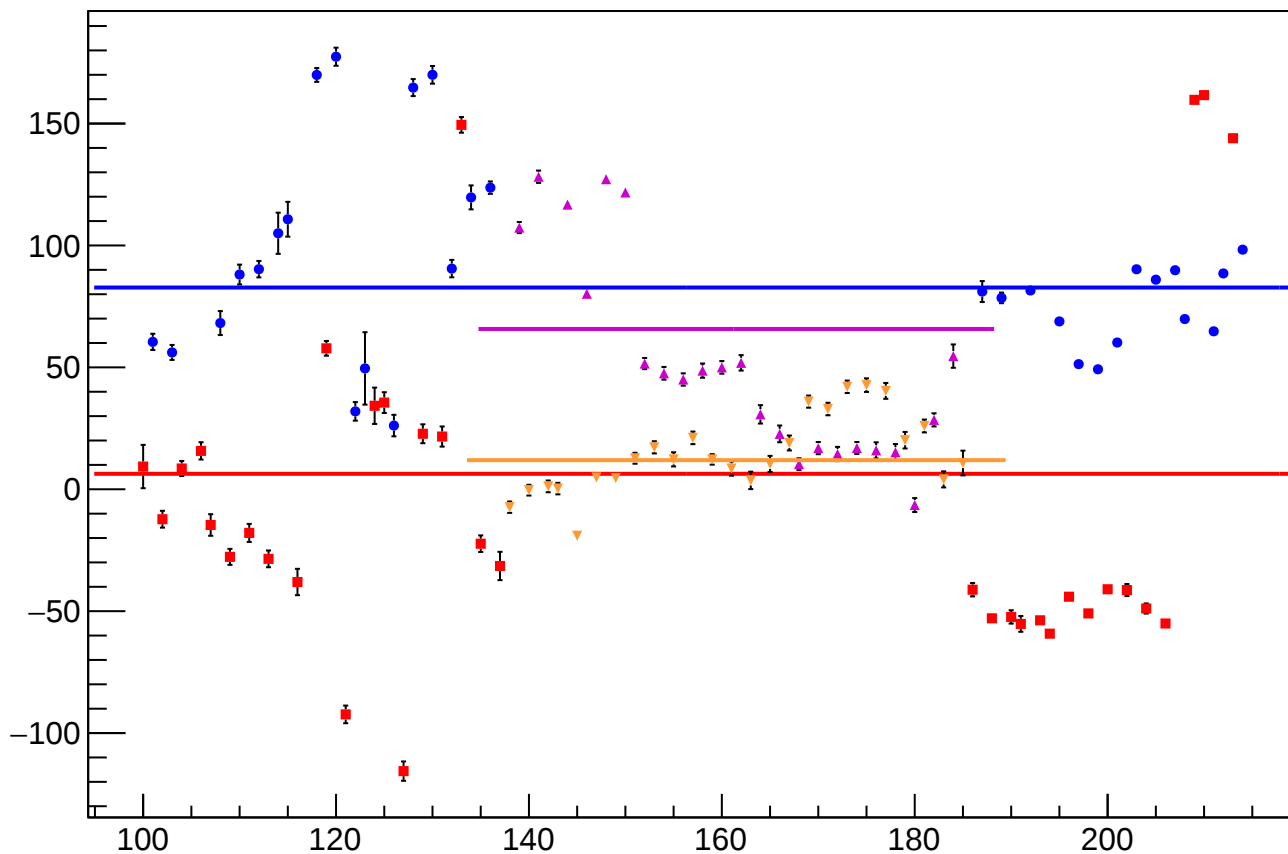
Left In: 858.563 $\pm$ 0.147 χ^2 /NDF: 239019.8/22

+ sign 700.180 $\pm$ 0.085 χ^2 /NDF: 2271679.1/55

All: 695.543 $\pm$ 0.060 χ^2 /NDF: 4839594.7/112

- sign 690.946 $\pm$ 0.085 χ^2 /NDF: 2561998.9/56

diff_bpm1i06X_mean vs Slug



Right In: 82.744+/-0.453 χ^2/NDF : 4597.4/30

Left Out: 11.938+/-0.505 χ^2/NDF : 976.6/24

Right Out: 6.344+/-0.437 χ^2/NDF : 38944.8/33

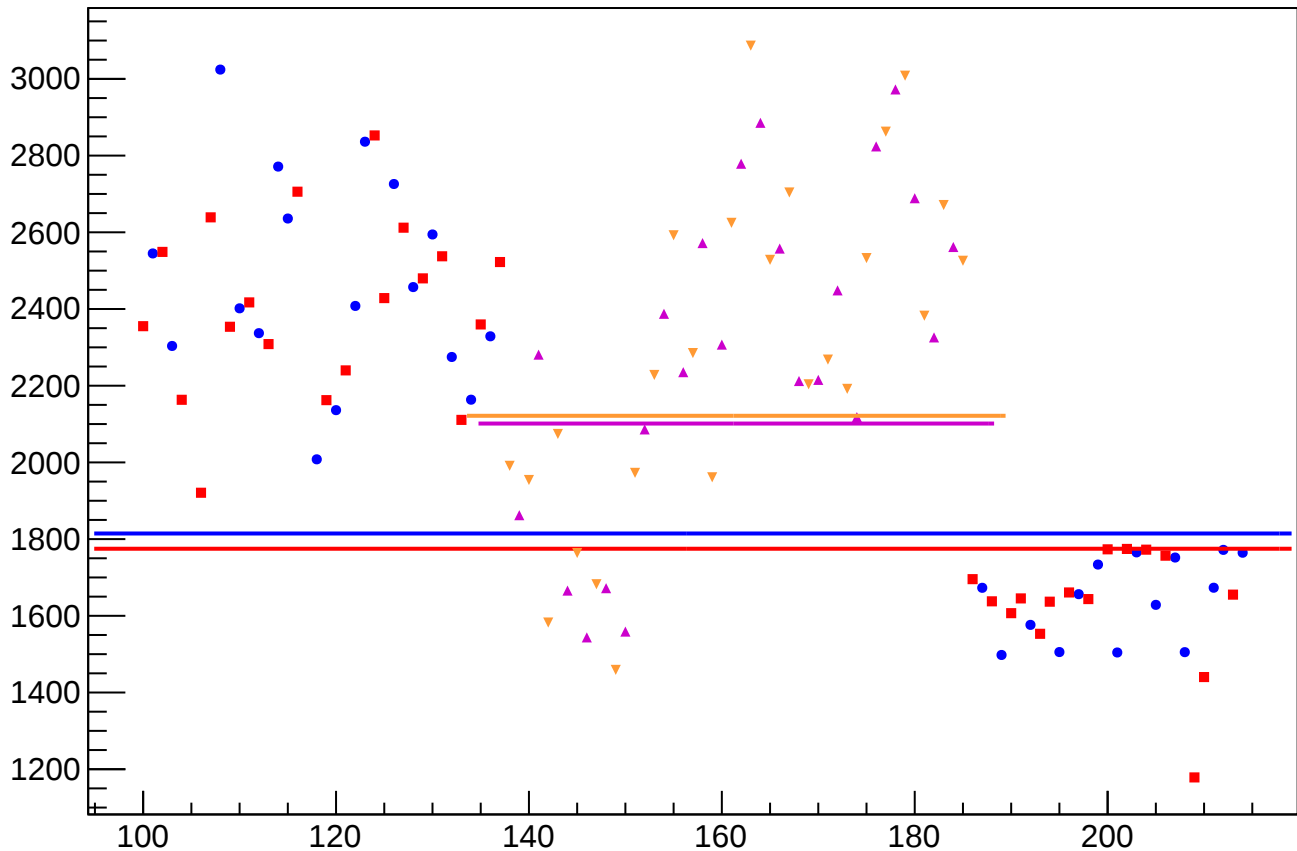
Left In: 65.752+/-0.518 χ^2/NDF : 7335.8/22

+ sign 51.157+/-0.338 χ^2/NDF : 16449.1/55

All: 41.004+/-0.237 χ^2/NDF : 72209.6/112

- sign 31.065+/-0.334 χ^2/NDF : 53969.8/56

diff_bpm1i06X_rms vs Slug



Right In: 1814.638 $\pm$ 0.321 χ^2 /NDF: 1181393.5/30

Left Out: 2121.567 $\pm$ 0.357 χ^2 /NDF:1387847.6/24

Right Out: 1774.885 $\pm$ 0.309 χ^2 /NDF: 1477433.2/33

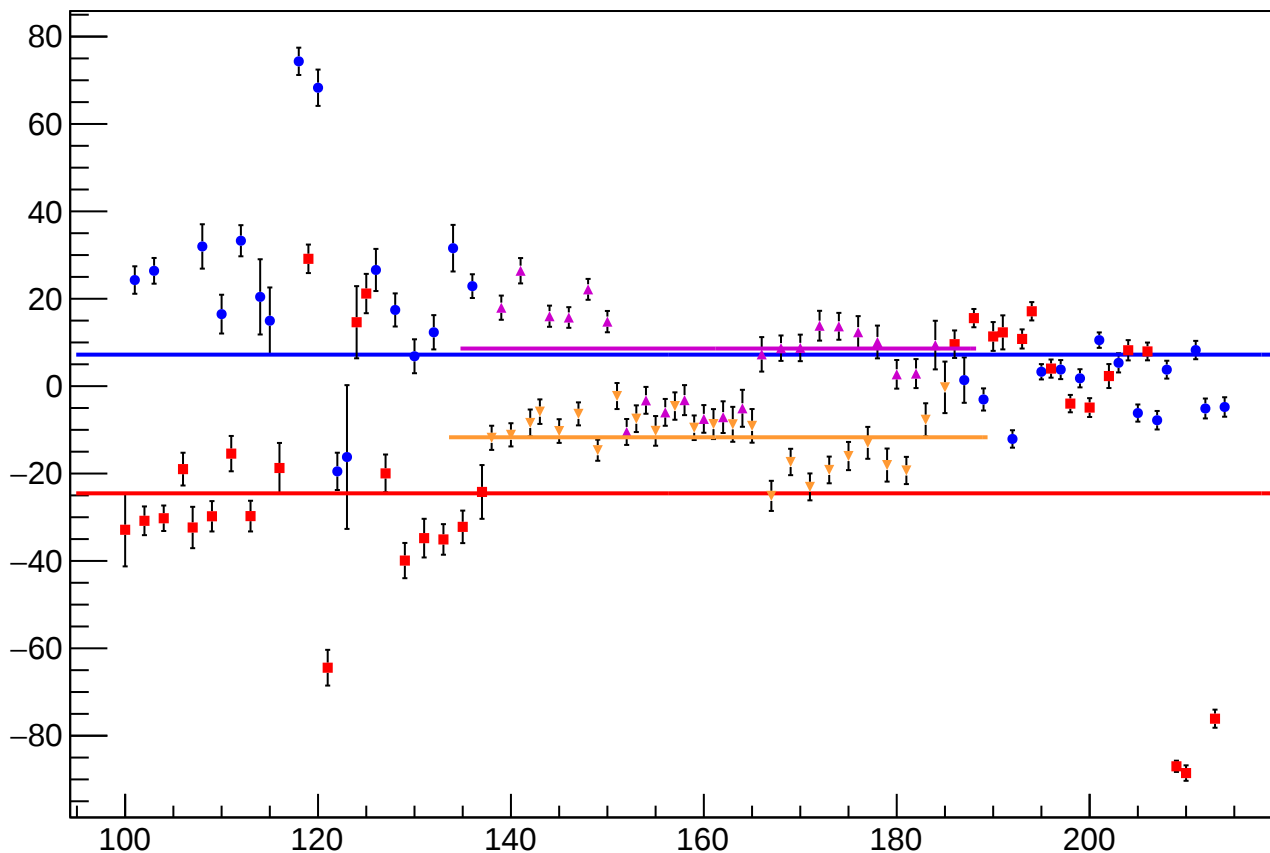
Left In: 2101.325 $\pm$ 0.366 χ^2 /NDF:1360518.3/22

+ sign 1951.562 $\pm$ 0.239 χ^2 /NDF: 2977936.4/55

All: 1930.927 $\pm$ 0.168 χ^2 /NDF: 6295019.7/11

- sign 1910.725 $\pm$ 0.236 χ^2 /NDF: 3302287.9/56

diff_bpm1i06Y_mean vs Slug



Right In: 7.212 ± 0.492 χ^2/NDF : 1242.2/30

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -24.530 ± 0.472 χ^2/NDF : 7105.2/33

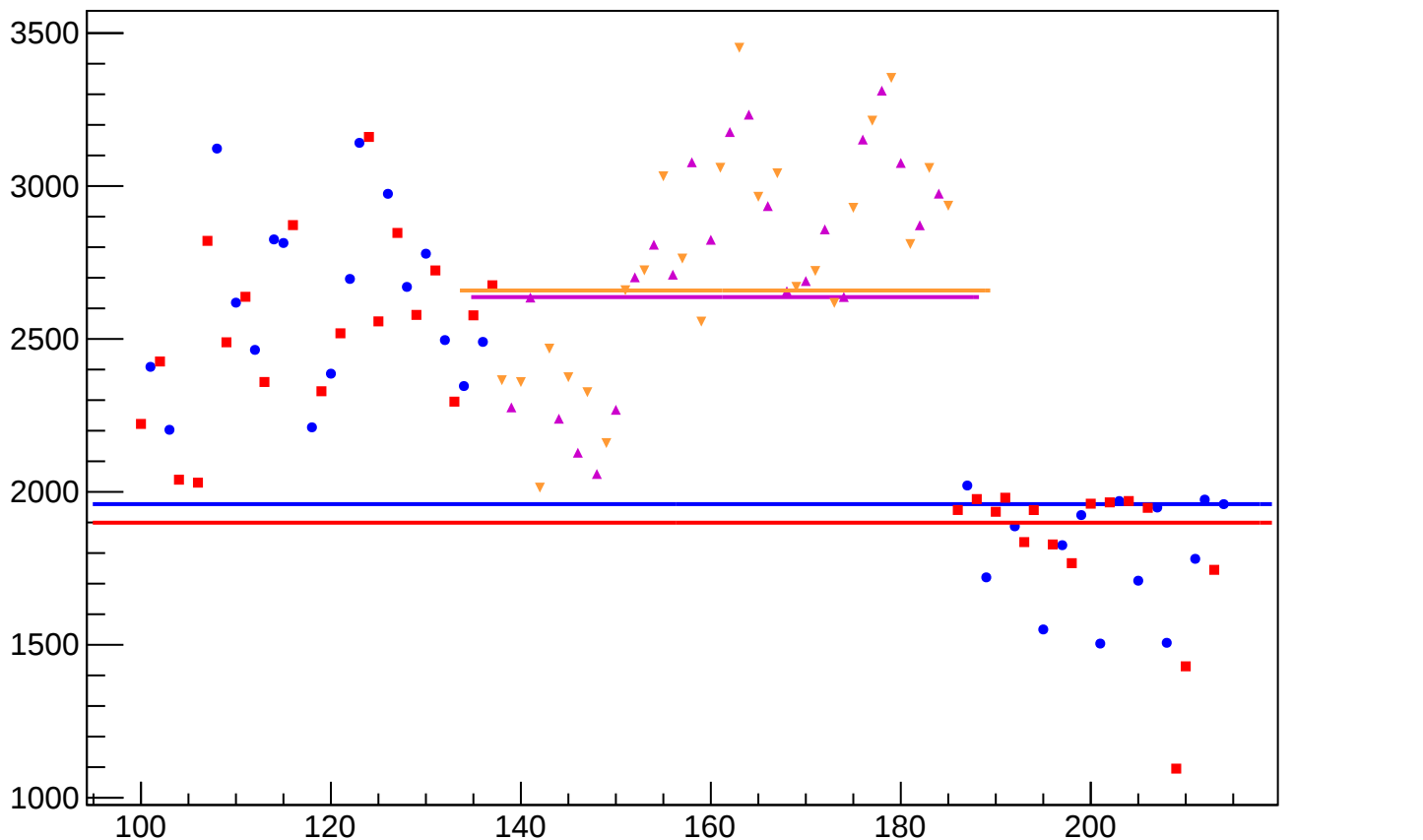
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.019 ± 0.387 χ^2/NDF : 1891.9/55

All: -6.582 ± 0.271 χ^2/NDF : 11558.1/112

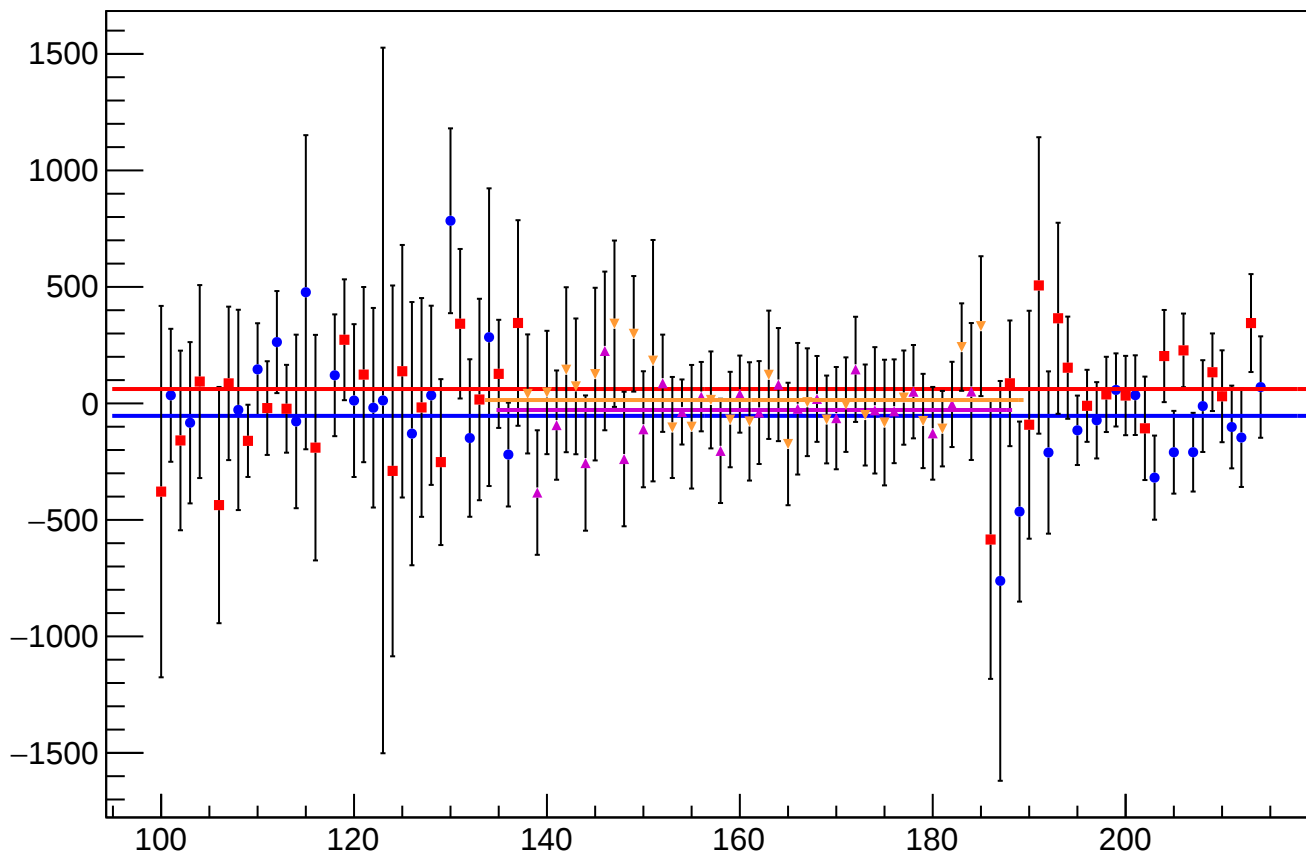
- sign -12.918 ± 0.380 χ^2/NDF : 9100.2/56

diff_bpm1i06Y_rms vs Slug



Right In: 1960.074 $\pm$ 0.348	χ^2 /NDF: 1181136.5/30	+ sign 2227.114 $\pm$ 0.273	χ^2 /NDF: 3339611.8/55
Left Out: 2658.486 $\pm$ 0.442	χ^2 /NDF: 618133.8/24	All: 2191.829 $\pm$ 0.192	χ^2 /NDF: 7564376.7/11
Right Out: 1899.269 $\pm$ 0.333	χ^2 /NDF: 1823863.4/33	- sign 2157.762 $\pm$ 0.269	χ^2 /NDF: 4192042.7/56
Left In: 2636.885 $\pm$ 0.454	χ^2 /NDF: 652894.5/22		

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -53.486 ± 43.400 χ^2/NDF : 17.2/30

Left Out: 14.520 ± 47.528 χ^2/NDF : 7.8/24

Right Out: 61.770 ± 43.071 χ^2/NDF : 14.2/33

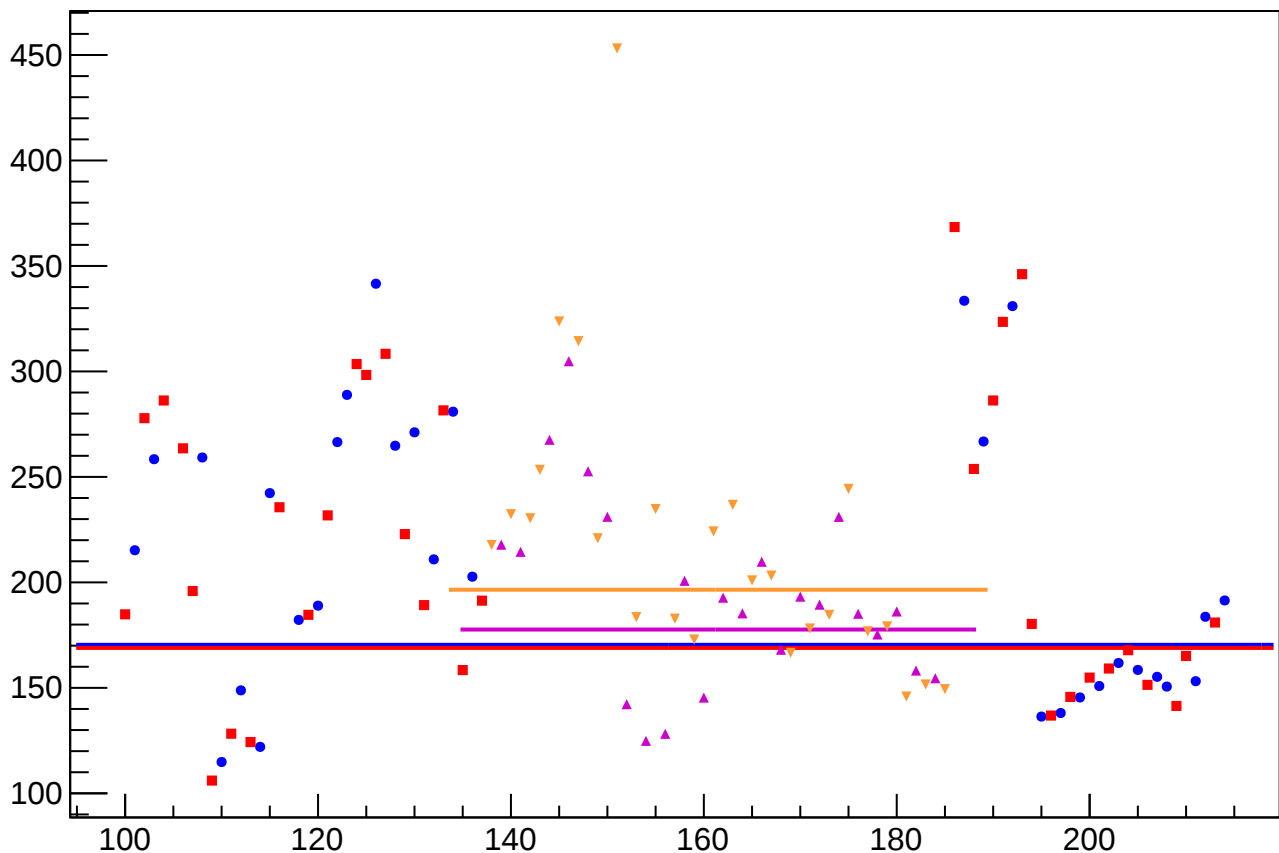
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign -22.565 ± 32.049 χ^2/NDF : 26.1/55

All: -1.430 ± 22.280 χ^2/NDF : 49.5/112

- sign 18.339 ± 30.995 χ^2/NDF : 22.6/56

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.404 $\pm$ 0.031 χ^2 /NDF: 2160495.0/30

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF:1789504.4/24

Right Out: 168.930 $\pm$ 0.030 χ^2 /NDF: 2838483.8/33

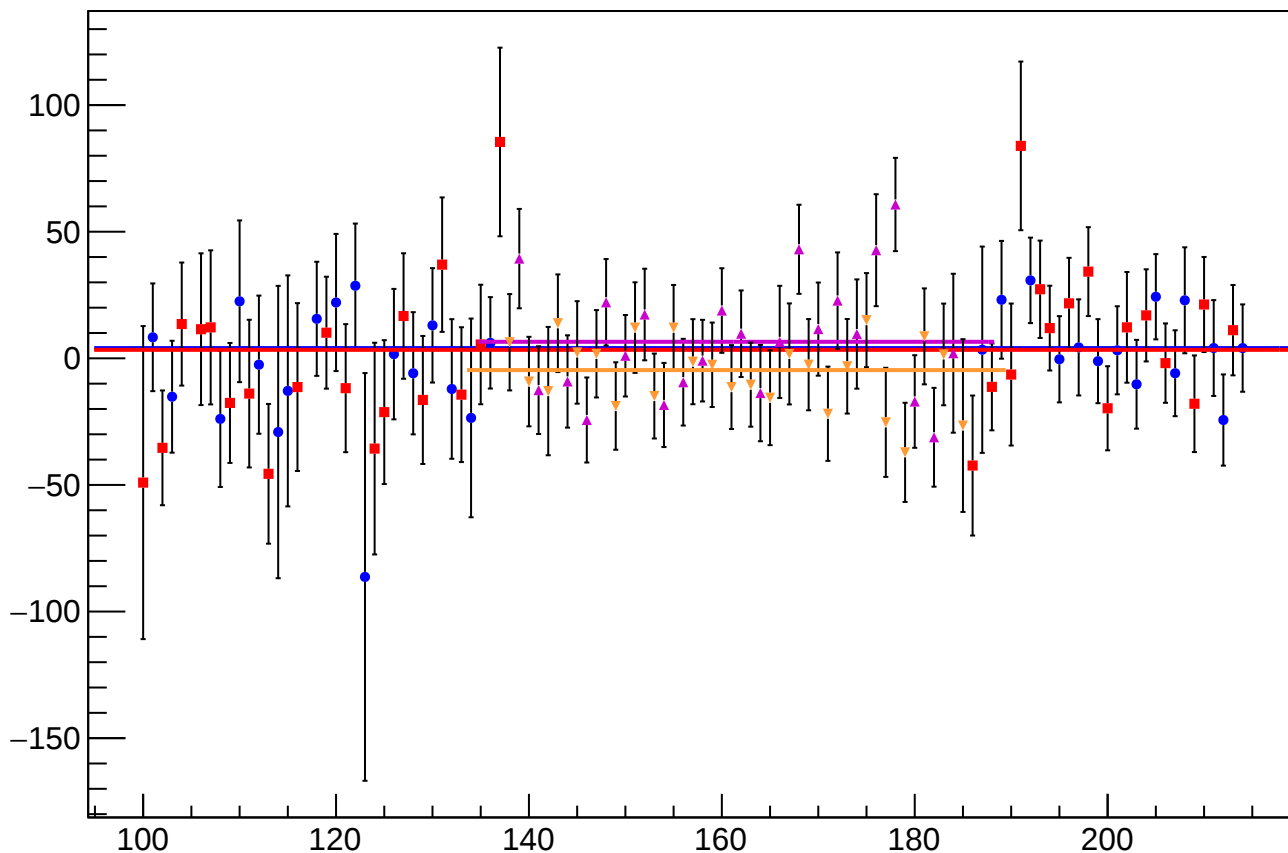
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF:1630664.5/22

+ sign 182.276 $\pm$ 0.023 χ^2 /NDF: 4279148.6/55

All: 177.551 $\pm$ 0.016 χ^2 /NDF: 8871895.0/112

- sign 173.131 $\pm$ 0.022 χ^2 /NDF: 4508608.3/56

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.037 ± 3.922 χ^2/NDF : 16.0/30

Left Out: -4.646 ± 3.728 χ^2/NDF : 12.1/24

Right Out: 3.351 ± 3.884 χ^2/NDF : 38.8/33

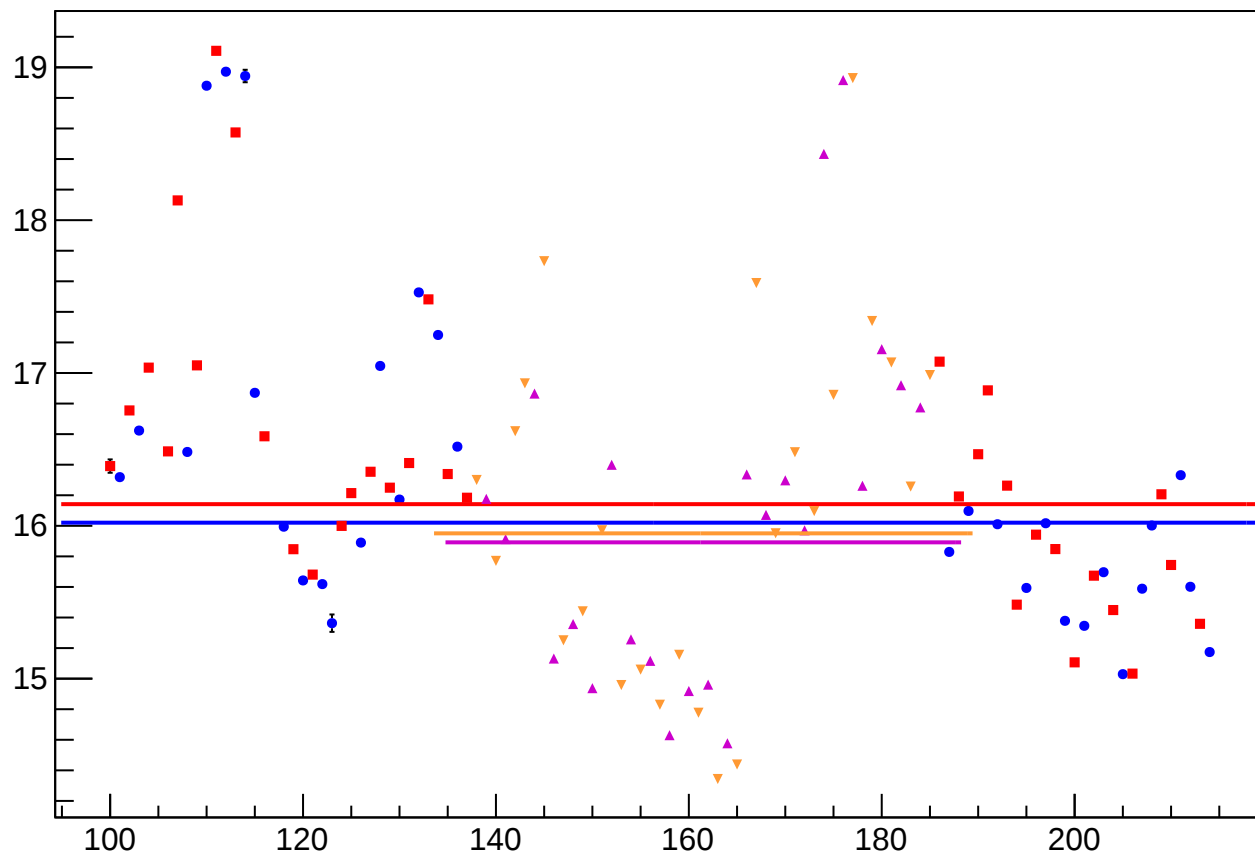
Left In: 6.526 ± 3.828 χ^2/NDF : 36.4/22

+ sign -0.524 ± 2.702 χ^2/NDF : 30.6/55

All: 2.194 ± 1.919 χ^2/NDF : 108.2/112

- sign 4.962 ± 2.726 χ^2/NDF : 75.6/56

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.021 $\pm$ 0.003 χ^2/NDF : 84693.0/30

Left Out: 15.951 $\pm$ 0.003 χ^2/NDF : 173458.5/24

Right Out: 16.142 $\pm$ 0.003 χ^2/NDF : 93124.8/33

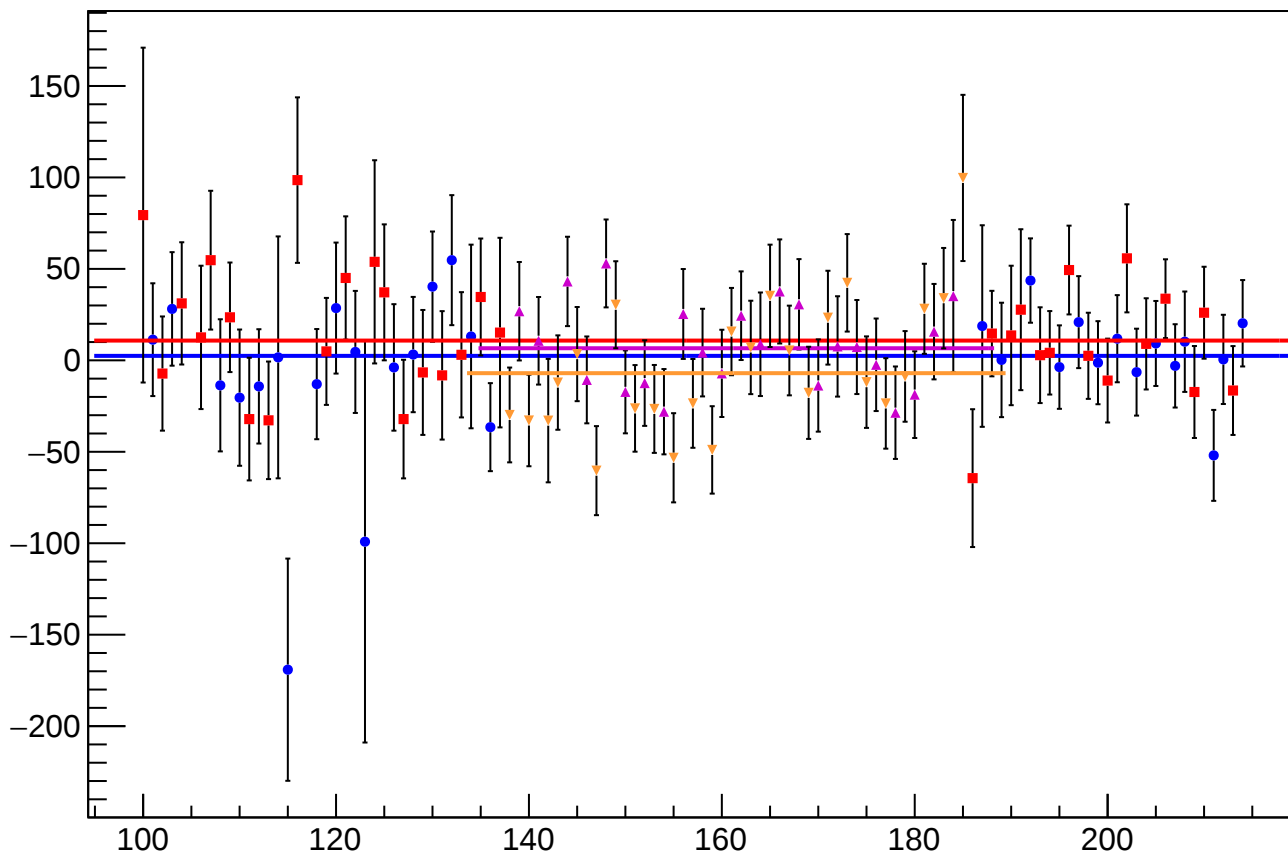
Left In: 15.892 $\pm$ 0.003 χ^2/NDF : 147093.3/22

+ sign 15.984 $\pm$ 0.002 χ^2/NDF : 258484.8/55

All: 15.999 $\pm$ 0.001 χ^2/NDF : 503034.2/112

- sign 16.015 $\pm$ 0.002 χ^2/NDF : 244418.1/56

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 2.446 ± 5.254 χ^2/NDF : 27.5/30

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 10.806 ± 5.194 χ^2/NDF : 29.4/33

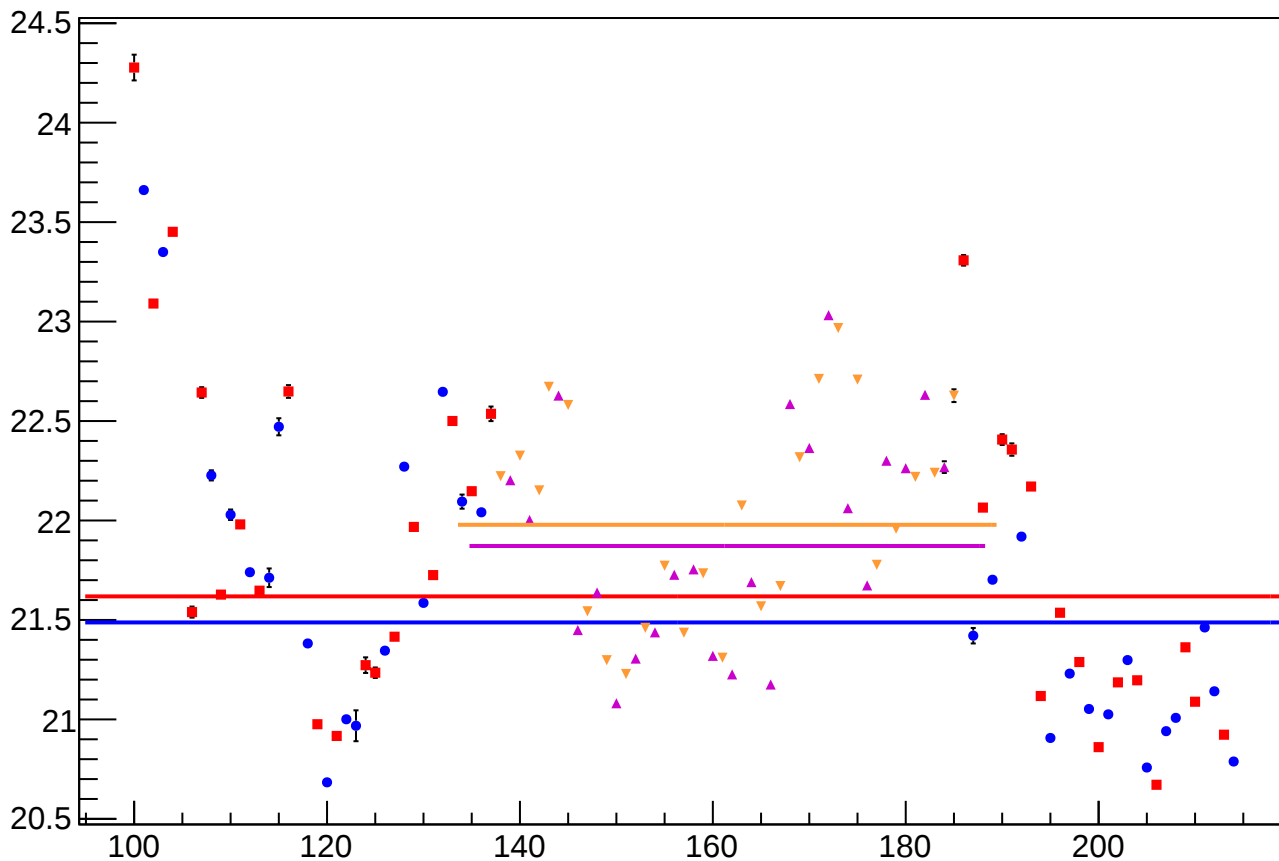
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -2.407 ± 3.667 χ^2/NDF : 66.6/55

All: 3.123 ± 2.602 χ^2/NDF : 120.0/112

- sign 8.732 ± 3.693 χ^2/NDF : 48.8/56

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.487 $\pm$ 0.004 χ^2 /NDF: 35160.0/30

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF: 19430.2/24

Right Out: 21.618 $\pm$ 0.004 χ^2 /NDF: 38047.0/33

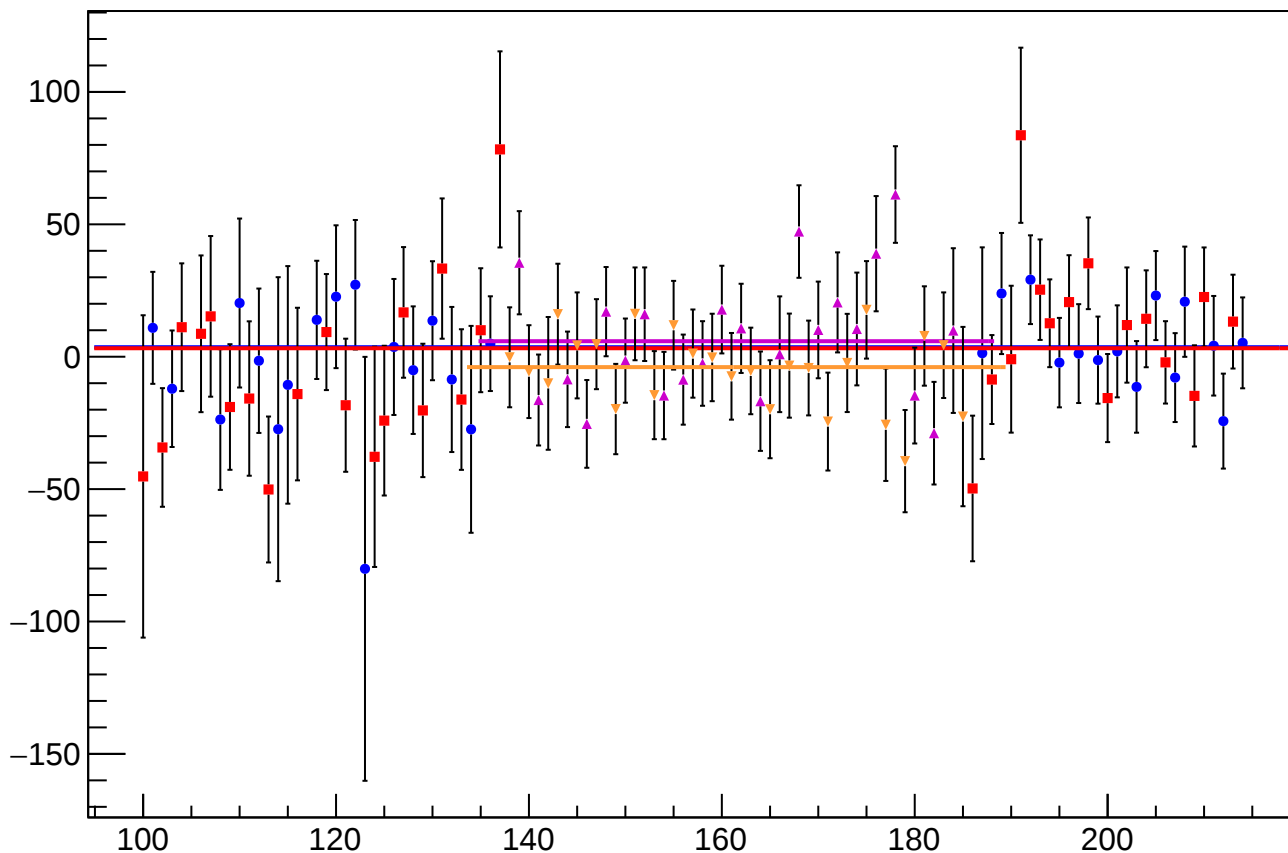
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF: 20524.9/22

+ sign 21.739 $\pm$ 0.003 χ^2 /NDF: 63544.4/55

All: 21.741 $\pm$ 0.002 χ^2 /NDF: 124471.2/112

- sign 21.744 $\pm$ 0.003 χ^2 /NDF: 60925.3/56

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.594 ± 3.894 χ^2/NDF : 15.3/30

Left Out: -3.927 ± 3.688 χ^2/NDF : 14.0/24

Right Out: 3.196 ± 3.858 χ^2/NDF : 39.4/33

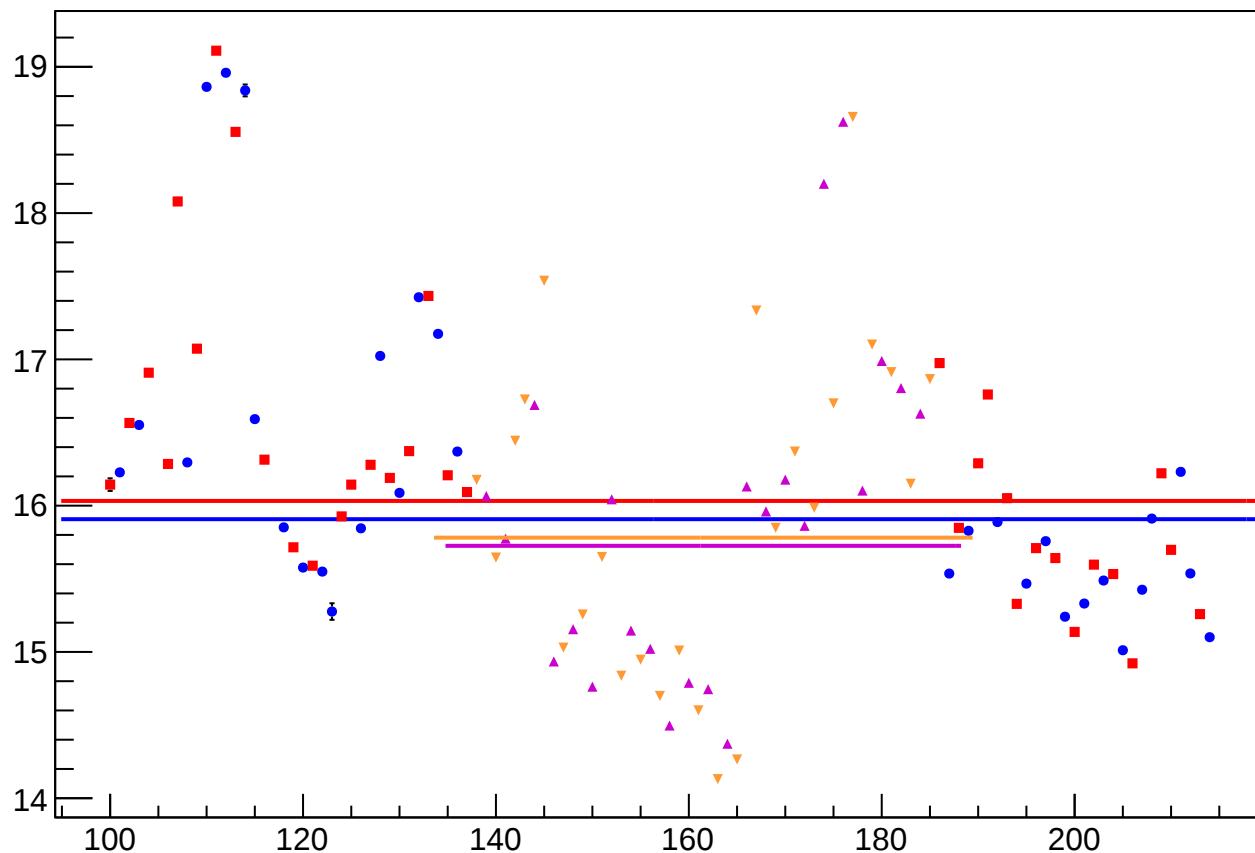
Left In: 5.861 ± 3.787 χ^2/NDF : 36.2/22

+ sign -0.371 ± 2.678 χ^2/NDF : 31.2/55

All: 2.068 ± 1.902 χ^2/NDF : 108.8/112

- sign 4.554 ± 2.703 χ^2/NDF : 75.8/56

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.907 $\pm$ 0.003 χ^2 /NDF: 86919.3/30

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF: 172894.3/24

Right Out: 16.032 $\pm$ 0.003 χ^2 /NDF: 95405.6/33

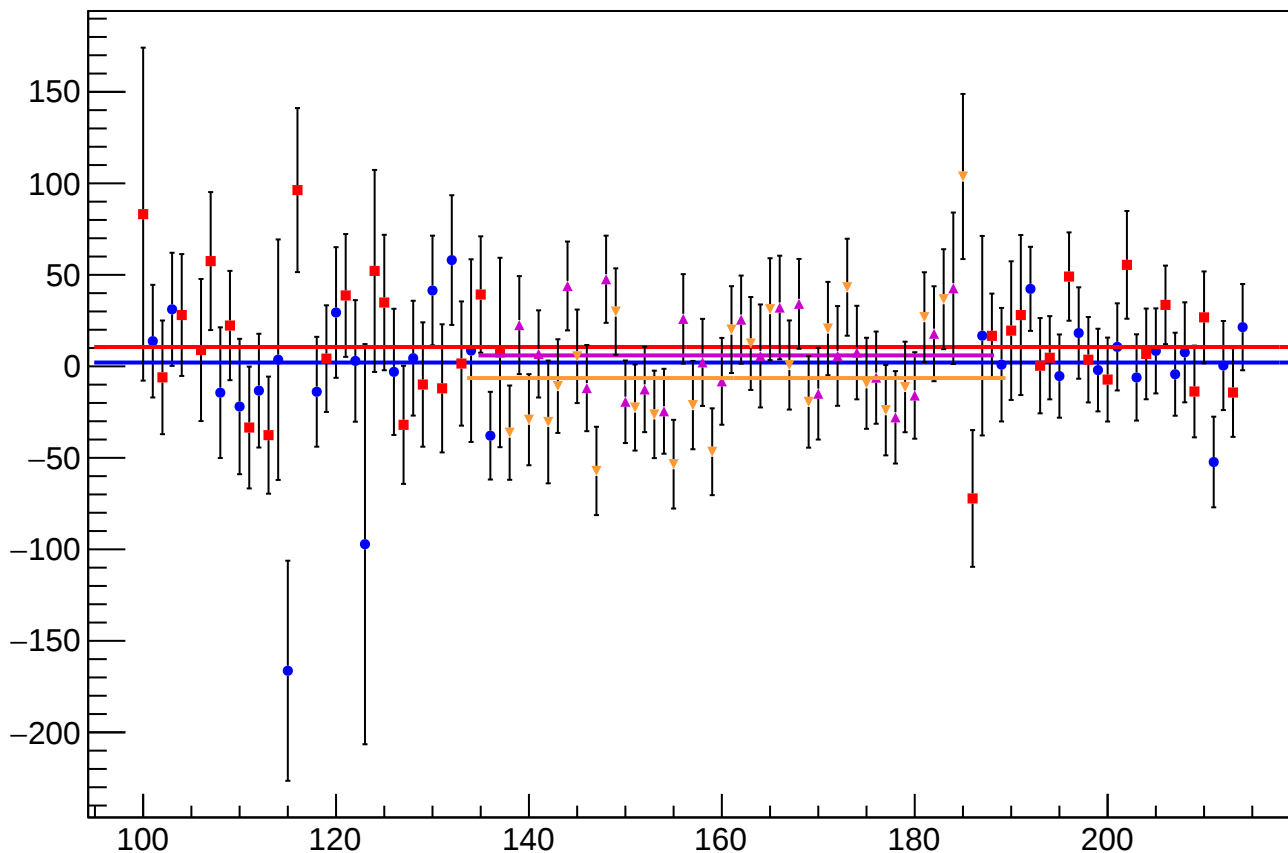
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF: 145830.9/22

+ sign 15.841 $\pm$ 0.002 χ^2 /NDF: 260920.3/55

All: 15.858 $\pm$ 0.001 χ^2 /NDF: 508770.4/112

- sign 15.876 $\pm$ 0.002 χ^2 /NDF: 247680.6/56

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 2.087 ± 5.231 χ^2/NDF : 28.1/30

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 10.580 ± 5.169 χ^2/NDF : 30.3/33

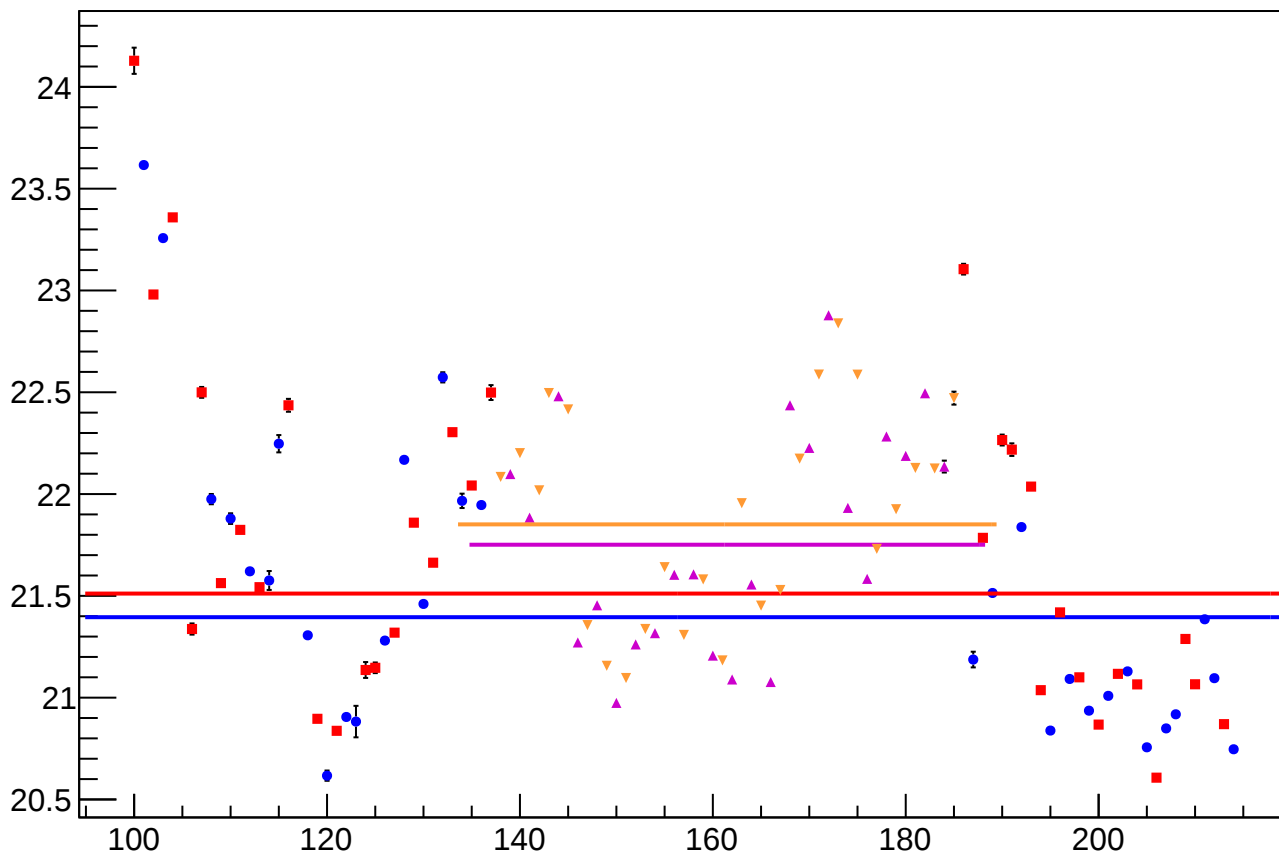
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -2.274 ± 3.649 χ^2/NDF : 66.9/55

All: 2.979 ± 2.589 χ^2/NDF : 120.3/112

- sign 8.303 ± 3.674 χ^2/NDF : 49.2/56

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.395 $\pm$ 0.004 χ^2 /NDF: 34293.7/30

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF:19631.8/24

Right Out: 21.511 $\pm$ 0.004 χ^2 /NDF: 35308.4/33

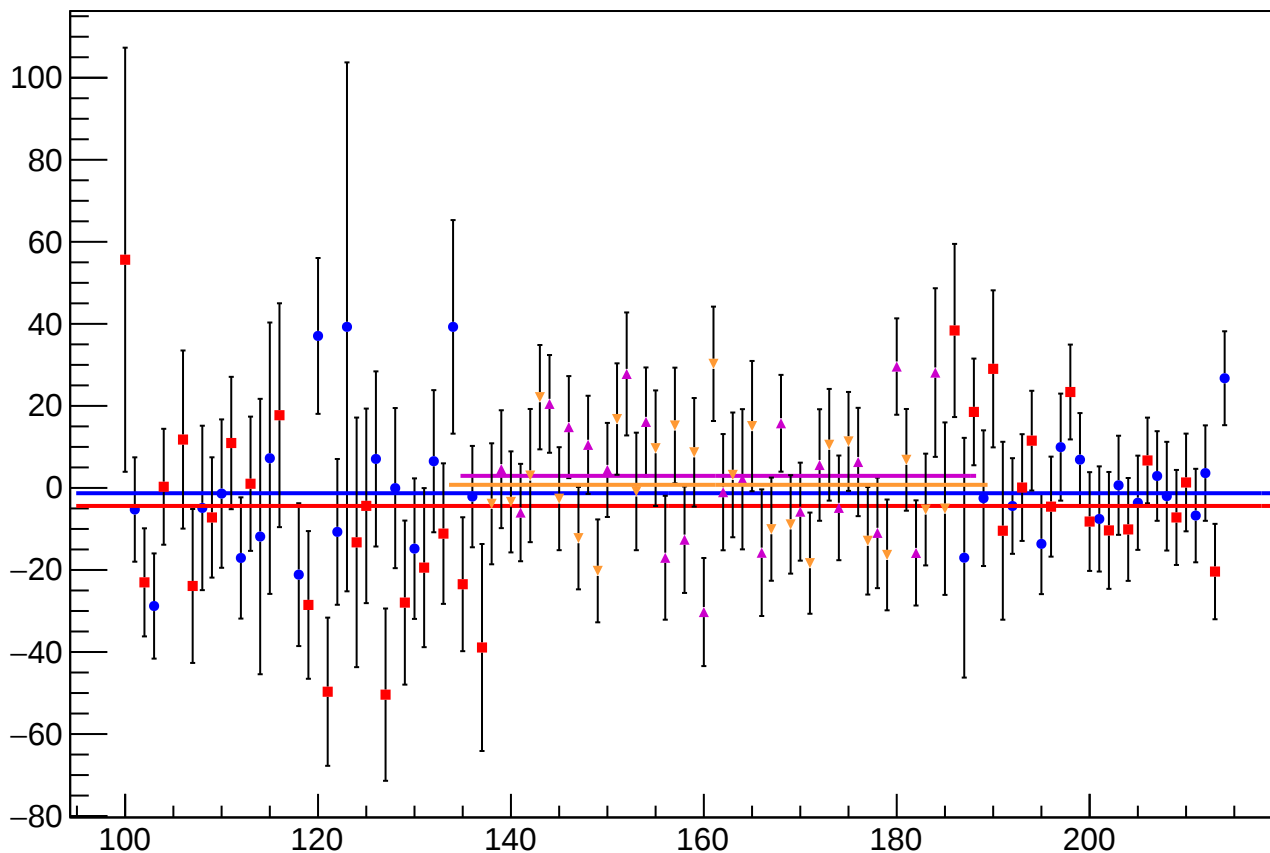
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF:20516.3/22

+ sign 21.629 $\pm$ 0.003 χ^2 /NDF: 61725.9/55

All: 21.630 $\pm$ 0.002 χ^2 /NDF: 119683.4/112

- sign 21.630 $\pm$ 0.003 χ^2 /NDF: 57957.5/56

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.289 ± 2.644 χ^2/NDF : 25.0/30

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: -4.391 ± 2.635 χ^2/NDF : 46.9/33

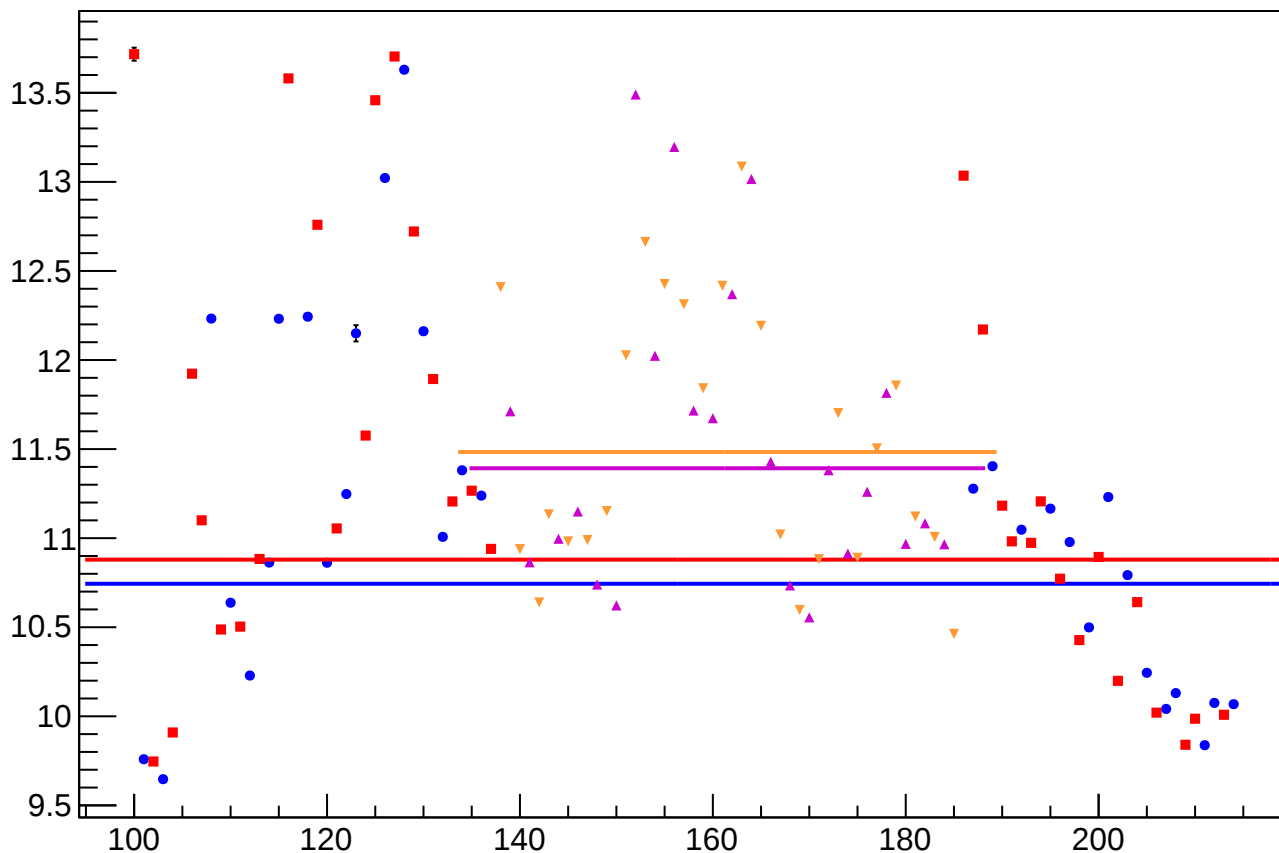
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -0.286 ± 1.889 χ^2/NDF : 49.1/55

All: -0.585 ± 1.341 χ^2/NDF : 130.7/112

- sign -0.889 ± 1.905 χ^2/NDF : 81.5/56

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.744 $\pm$ 0.002 χ^2 /NDF: 201361.8/30

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 10.880 $\pm$ 0.002 χ^2 /NDF: 267701.1/33

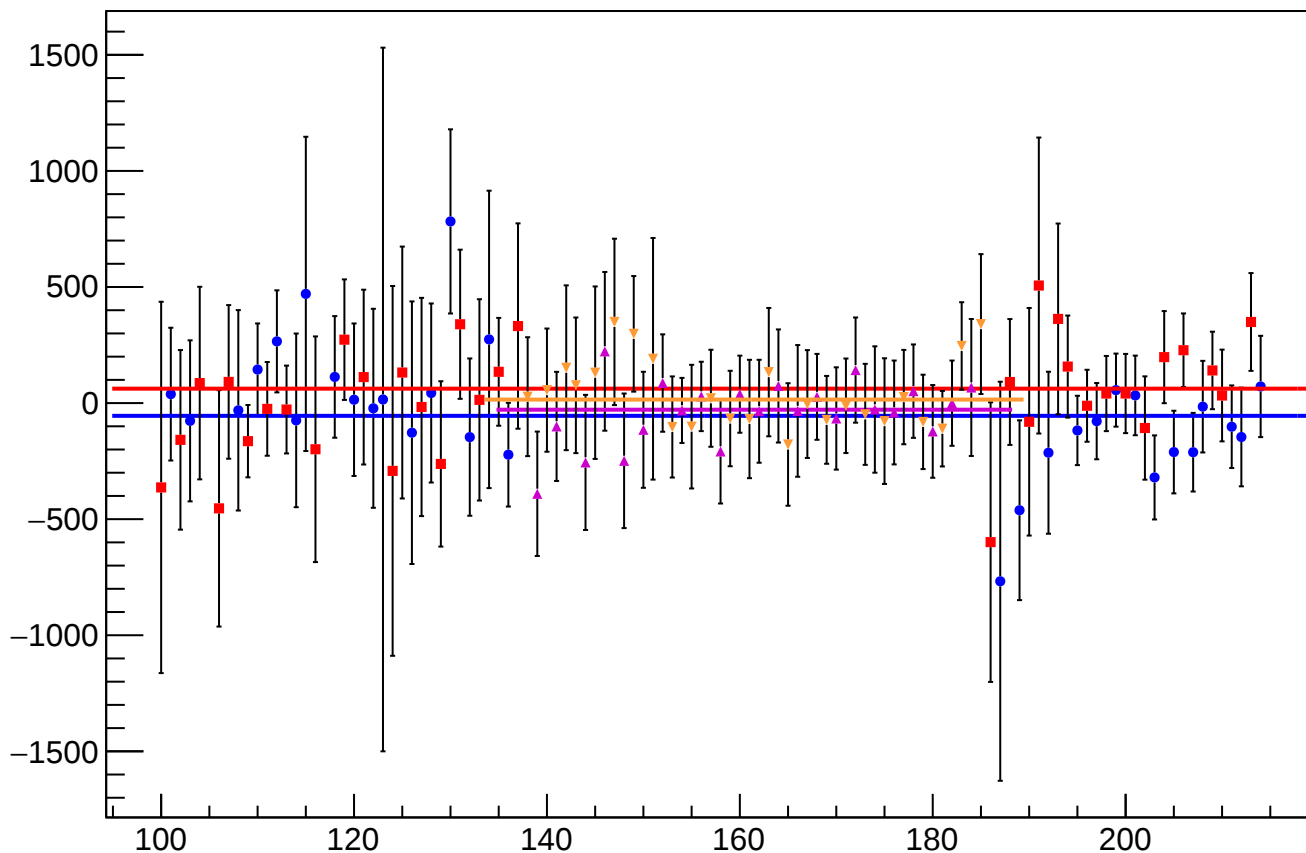
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.106 $\pm$ 0.001 χ^2 /NDF: 407828.6/55

All: 11.115 $\pm$ 0.001 χ^2 /NDF: 862267.0/112

- sign 11.124 $\pm$ 0.001 χ^2 /NDF: 454348.8/56

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -54.942 ± 43.504 χ^2/NDF : 17.1/30

Left Out: 15.130 ± 47.705 χ^2/NDF : 8.0/24

Right Out: 62.126 ± 43.184 χ^2/NDF : 14.4/33

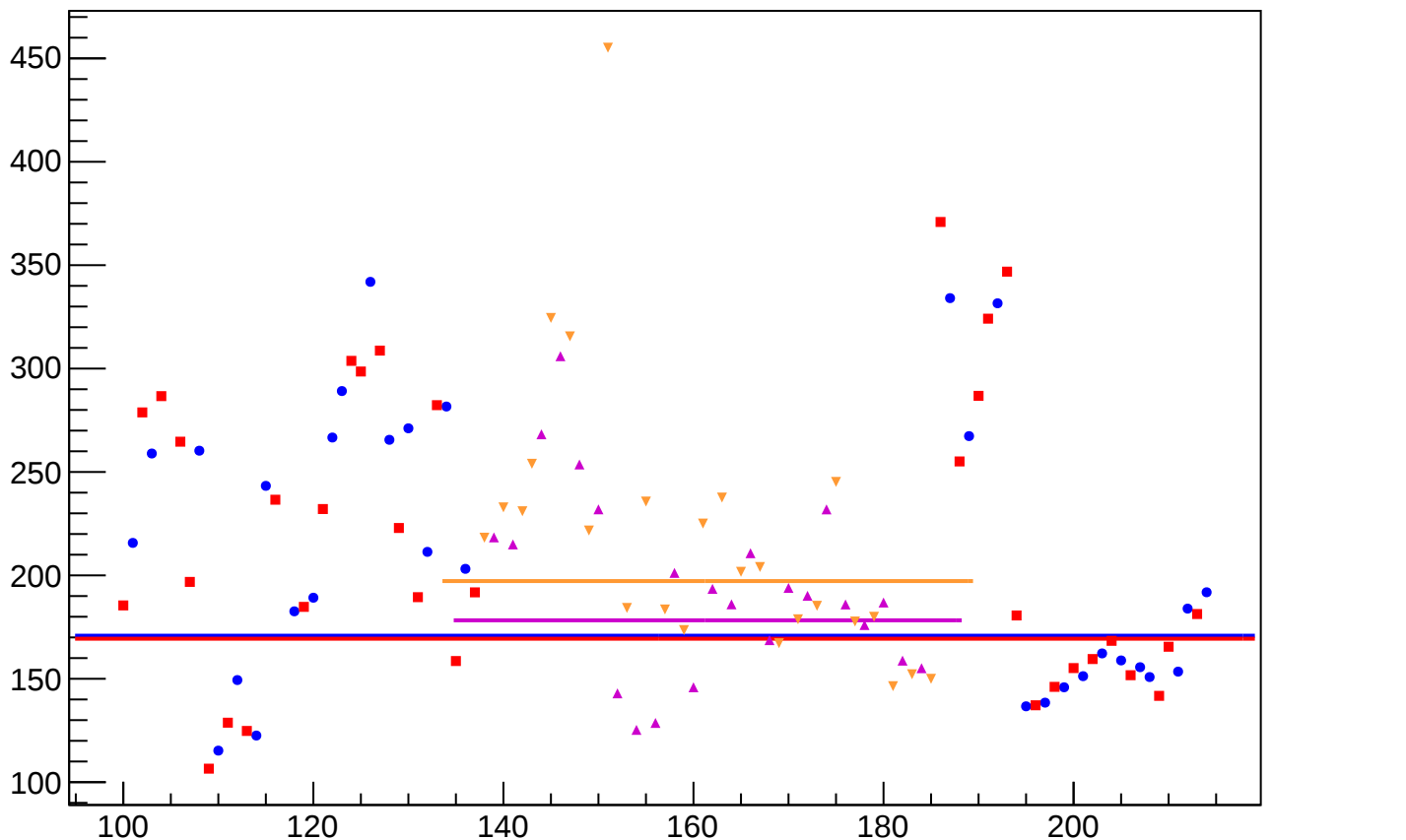
Left In: -28.500 ± 44.797 χ^2/NDF : 6.4/22

+ sign -23.126 ± 32.145 χ^2/NDF : 26.3/55

All: -1.633 ± 22.348 χ^2/NDF : 50.1/112

- sign 18.474 ± 31.090 χ^2/NDF : 23.0/56

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 170.827 $\pm$ 0.031 χ^2 /NDF: 2155603.1/30

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF: 1786808.1/24

Right Out: 169.380 $\pm$ 0.031 χ^2 /NDF: 2835072.6/33

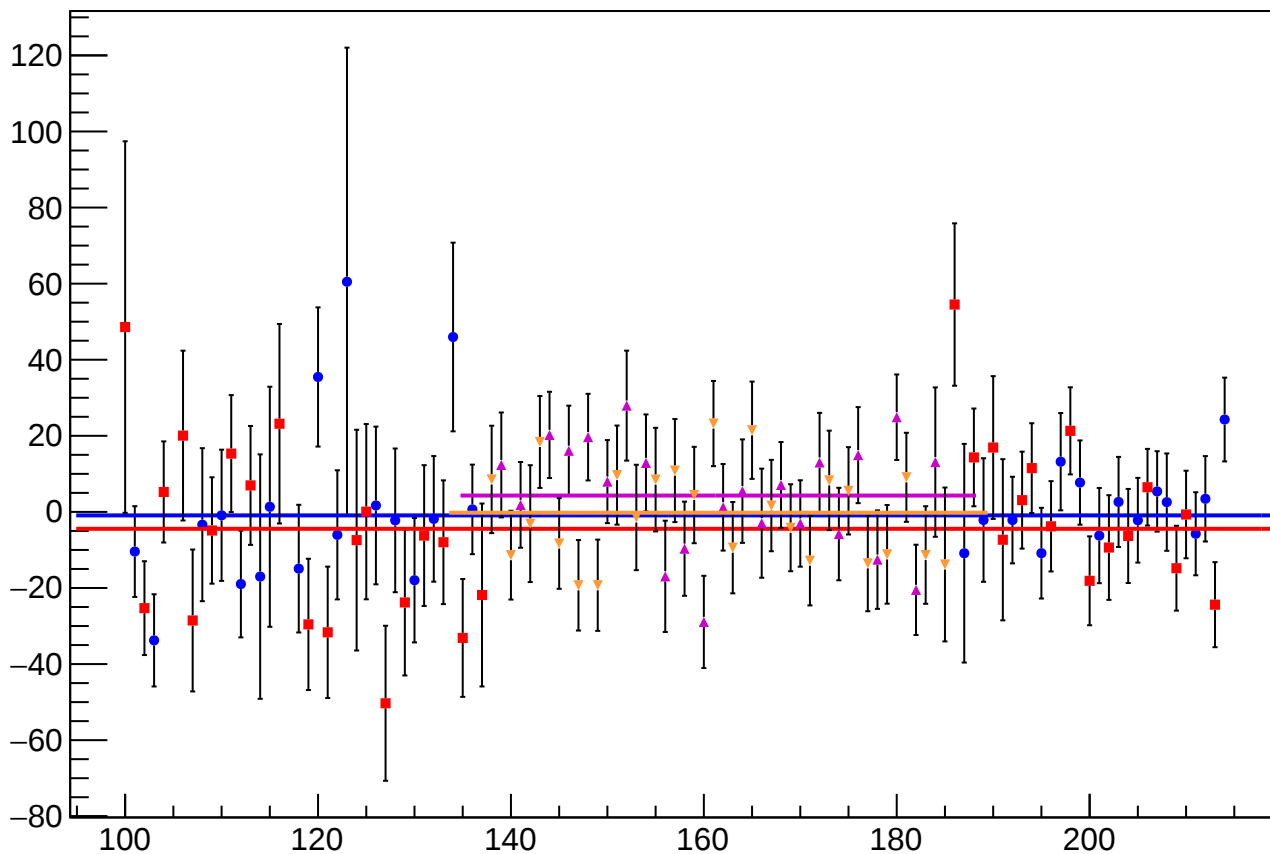
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF: 1628916.6/22

+ sign 182.824 $\pm$ 0.023 χ^2 /NDF: 4277376.2/55

All: 178.092 $\pm$ 0.016 χ^2 /NDF: 8866130.8/112

- sign 173.666 $\pm$ 0.022 χ^2 /NDF: 4504875.7/56

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -0.917 ± 2.551 χ^2/NDF : 29.3/30

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -4.442 ± 2.549 χ^2/NDF : 50.7/33

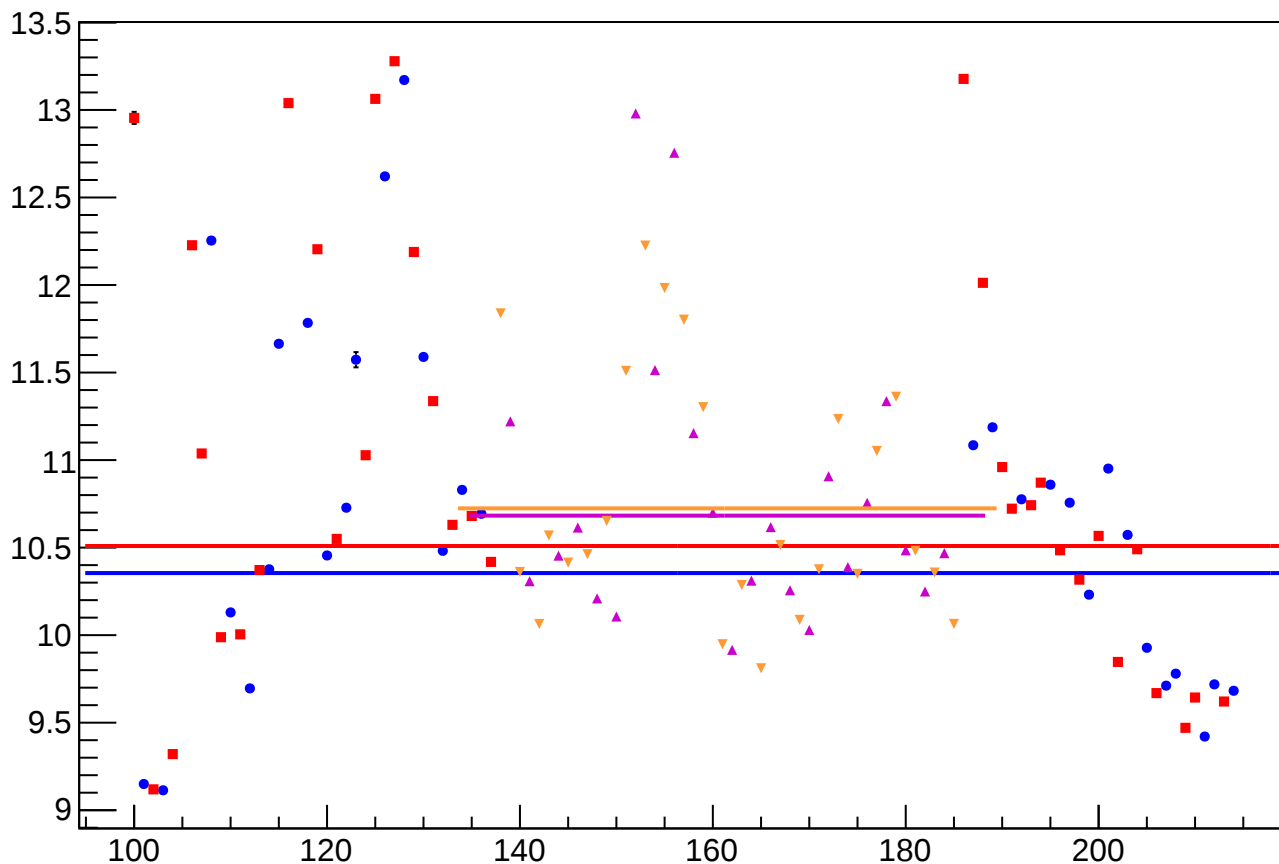
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -0.560 ± 1.794 χ^2/NDF : 53.9/55

All: -0.353 ± 1.276 χ^2/NDF : 141.9/112

- sign -0.141 ± 1.816 χ^2/NDF : 88.0/56

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.355 $\pm$ 0.002 χ^2 /NDF: 229254.1/30

Left Out: 10.724 $\pm$ 0.002 χ^2 /NDF: 132558.9/24

Right Out: 10.509 $\pm$ 0.002 χ^2 /NDF: 307789.8/33

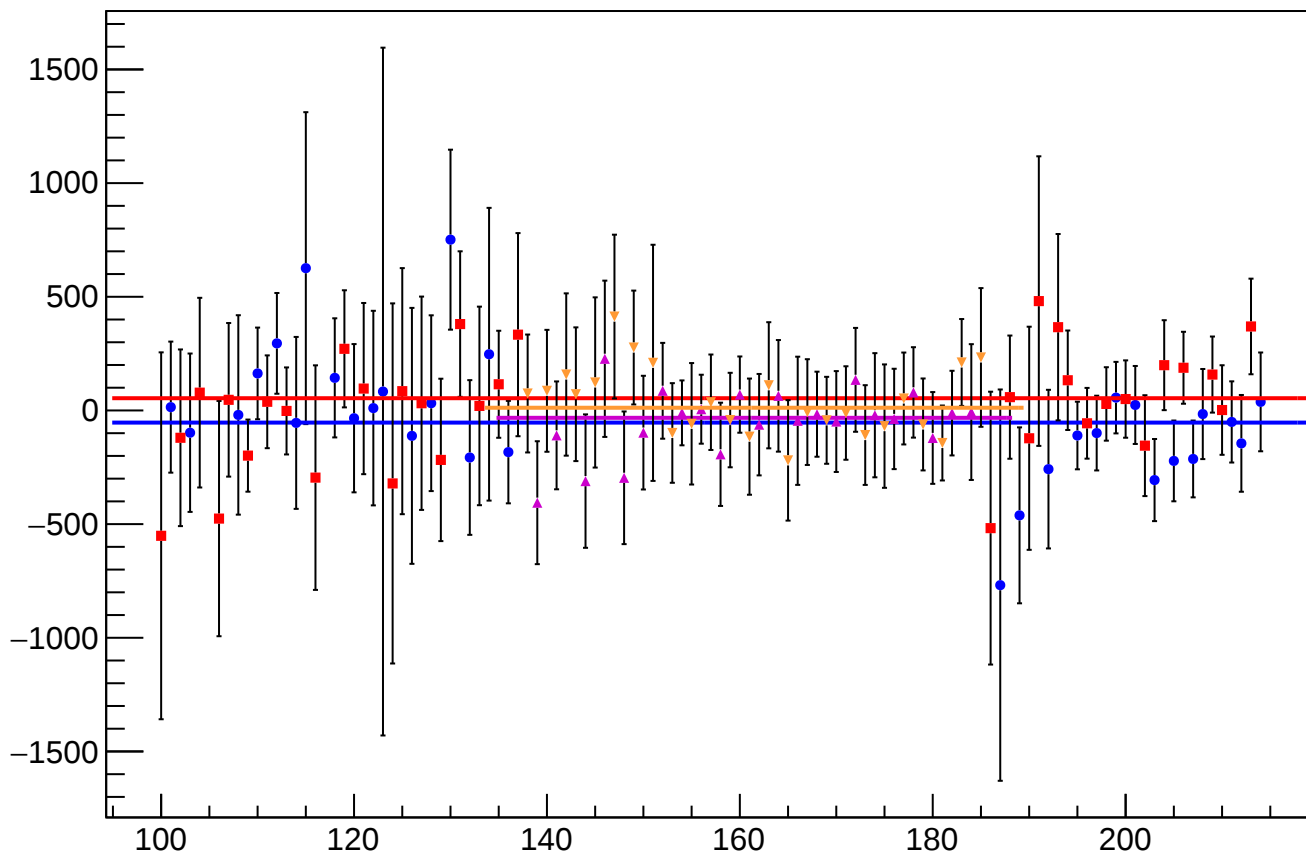
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF: 147835.6/22

+ sign 10.541 $\pm$ 0.001 χ^2 /NDF: 383026.5/55

All: 10.568 $\pm$ 0.001 χ^2 /NDF: 844071.8/112

- sign 10.595 $\pm$ 0.001 χ^2 /NDF: 460177.5/56

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -53.431 ± 43.573 χ^2/NDF : 17.4/30

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 53.848 ± 43.313 χ^2/NDF : 15.5/33

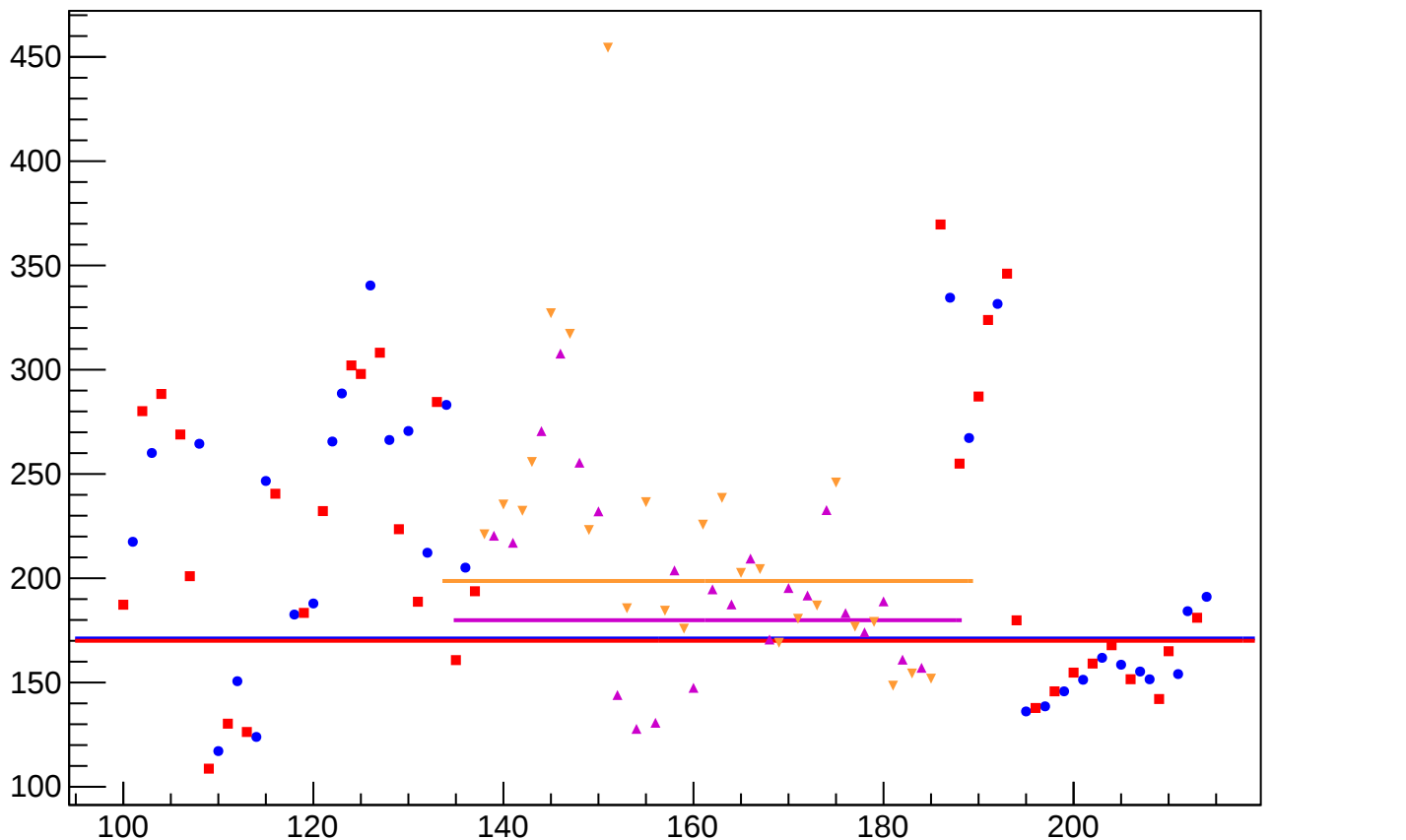
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign -23.935 ± 32.269 χ^2/NDF : 26.1/55

All: -5.131 ± 22.452 χ^2/NDF : 51.1/112

- sign 12.513 ± 31.258 χ^2/NDF : 24.3/56

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.106 $\pm$ 0.031 χ^2 /NDF: 2152002.4/30

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF:1759311.9/24

Right Out: 170.023 $\pm$ 0.031 χ^2 /NDF: 2794196.9/33

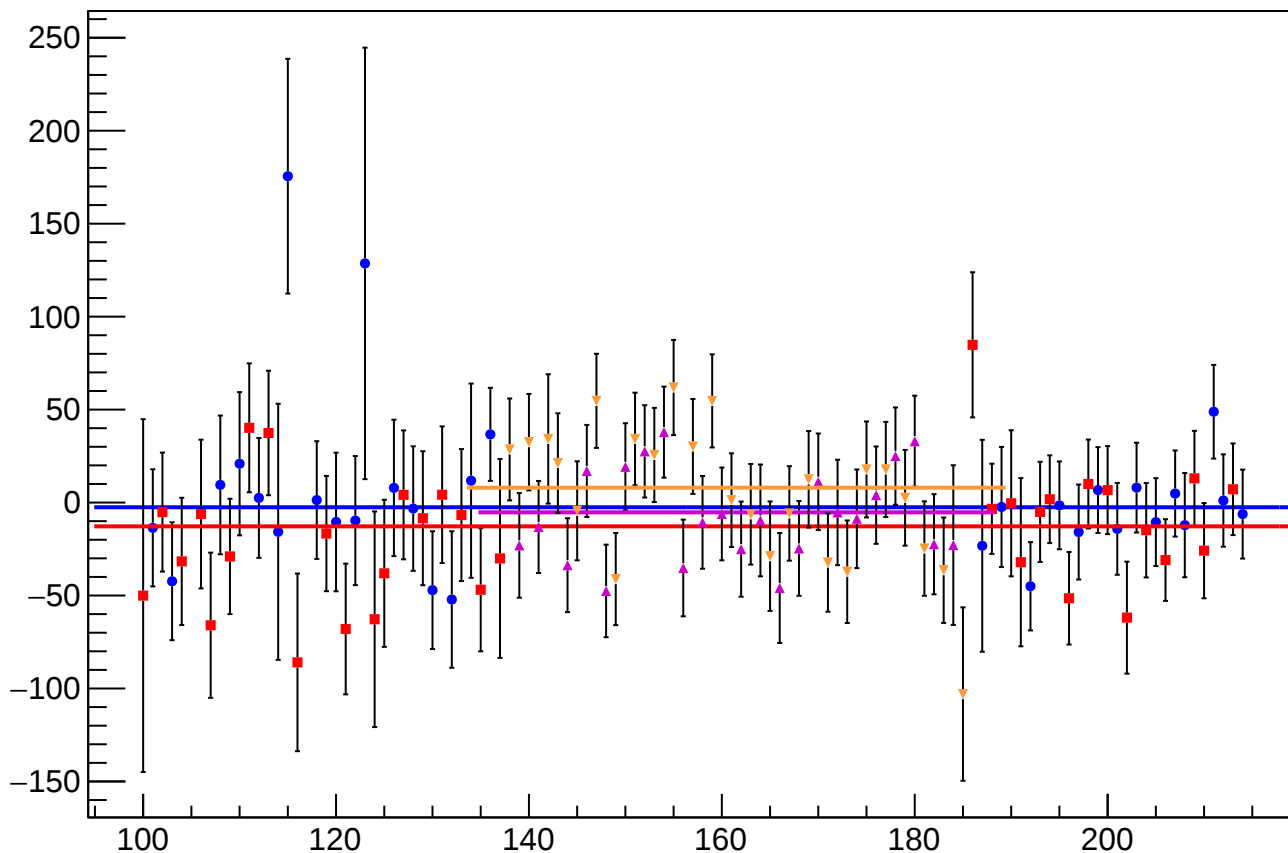
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

+ sign 183.564 $\pm$ 0.023 χ^2 /NDF: 4273345.5/55

All: 179.016 $\pm$ 0.016 χ^2 /NDF: 8774860.4/112

- sign 174.750 $\pm$ 0.022 χ^2 /NDF: 4424530.1/56

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.525 ± 5.404 χ^2/NDF : 26.7/30

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: -12.797 ± 5.356 χ^2/NDF : 31.3/33

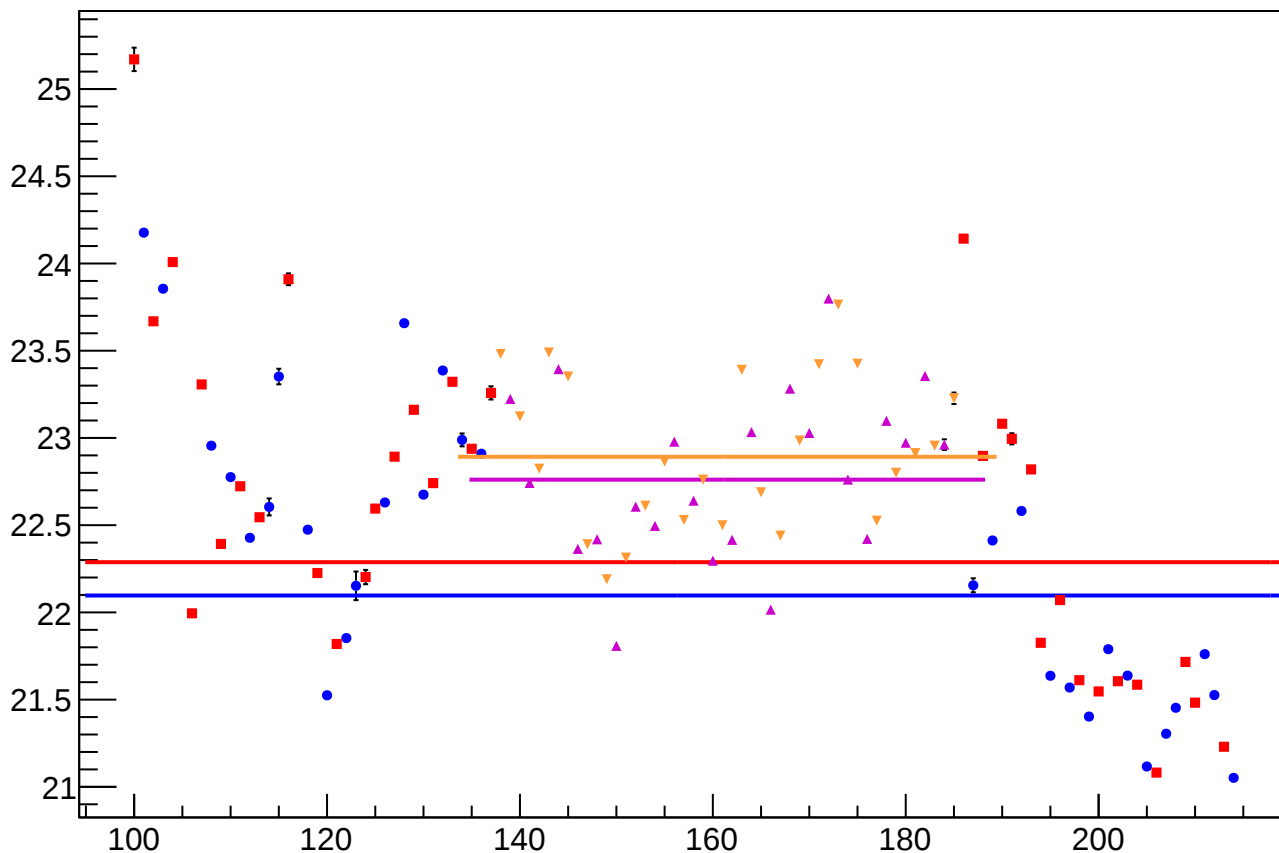
Left In: -5.261 ± 5.465 χ^2/NDF : 20.8/22

+ sign 2.808 ± 3.796 χ^2/NDF : 66.1/55

All: -3.103 ± 2.695 χ^2/NDF : 124.0/112

- sign -9.105 ± 3.825 χ^2/NDF : 53.1/56

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.097 $\pm$ 0.004 χ^2 /NDF: 46657.5/30

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF: 12995.5/24

Right Out: 22.288 $\pm$ 0.004 χ^2 /NDF: 48156.2/33

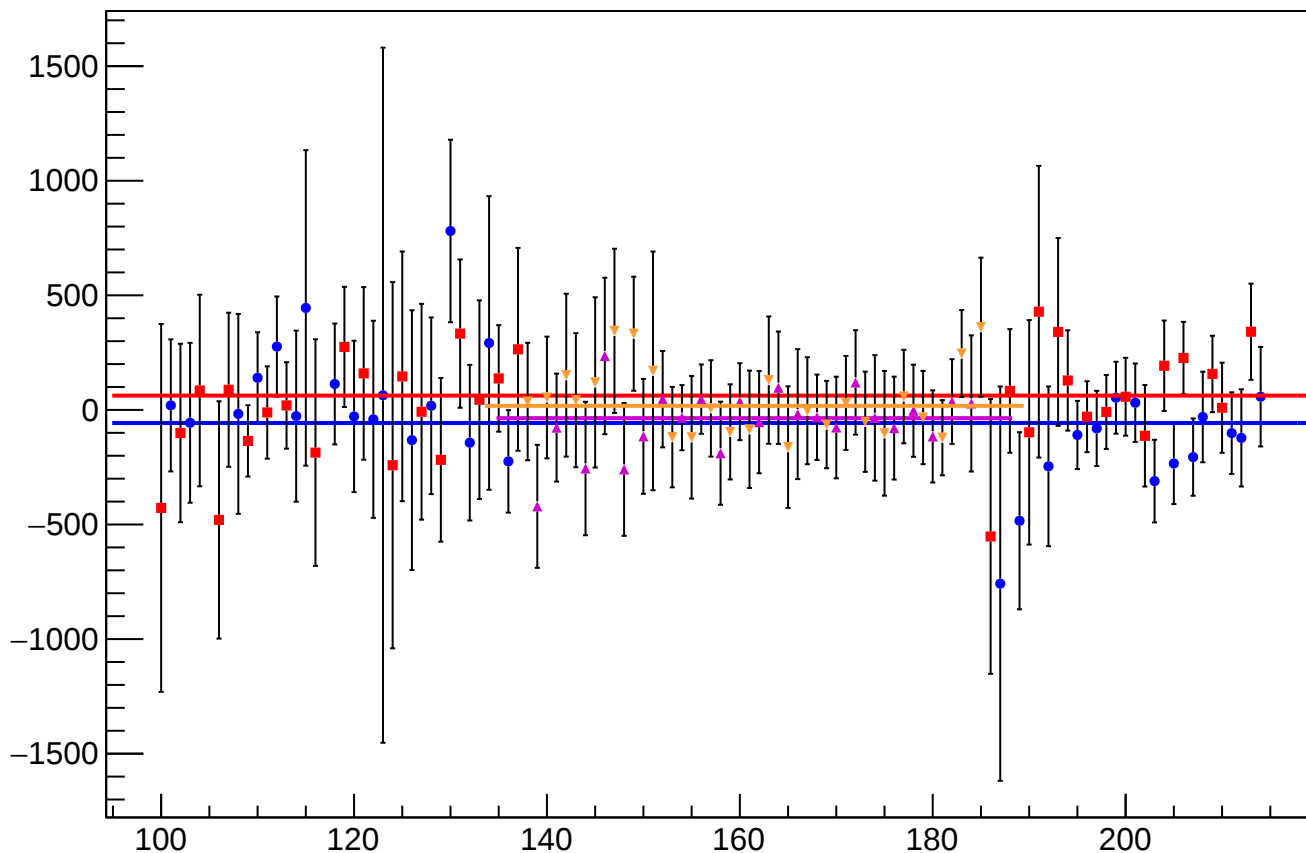
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF: 14550.0/22

+ sign 22.499 $\pm$ 0.003 χ^2 /NDF: 81590.4/55

All: 22.509 $\pm$ 0.002 χ^2 /NDF: 151970.7/112

- sign 22.520 $\pm$ 0.003 χ^2 /NDF: 70352.3/56

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -56.955 ± 43.450 χ^2/NDF : 17.1/30

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: 62.525 ± 43.130 χ^2/NDF : 13.1/33

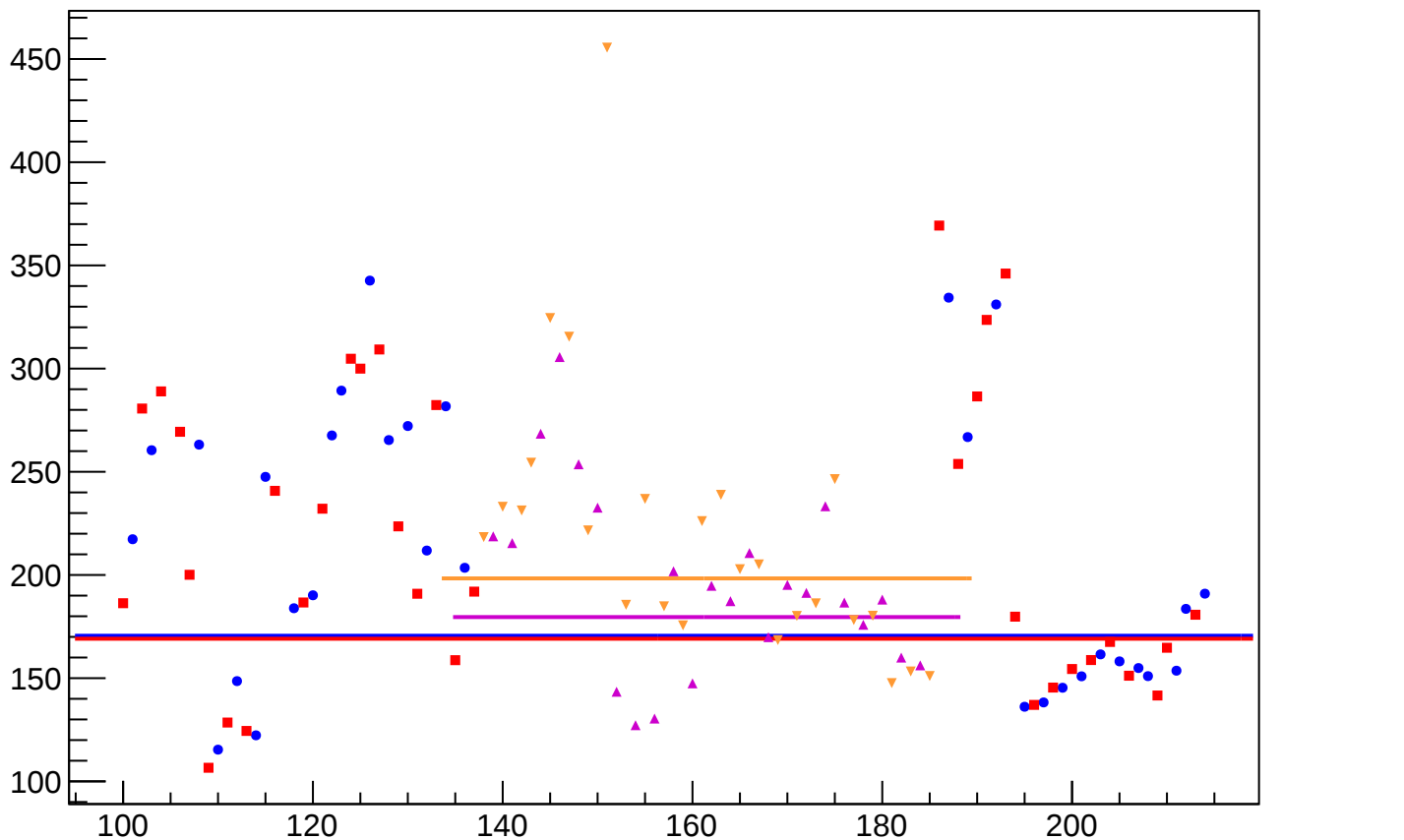
Left In: -35.879 ± 45.087 χ^2/NDF : 6.3/22

+ sign -23.253 ± 32.195 χ^2/NDF : 26.9/55

All: -3.245 ± 22.393 χ^2/NDF : 49.6/112

- sign 15.505 ± 31.166 χ^2/NDF : 21.9/56

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.549 $\pm$ 0.031 χ^2 /NDF: 2182734.3/30

Left Out: 198.344 $\pm$ 0.034 χ^2 /NDF:1757450.6/24

Right Out: 169.113 $\pm$ 0.030 χ^2 /NDF: 2862288.6/33

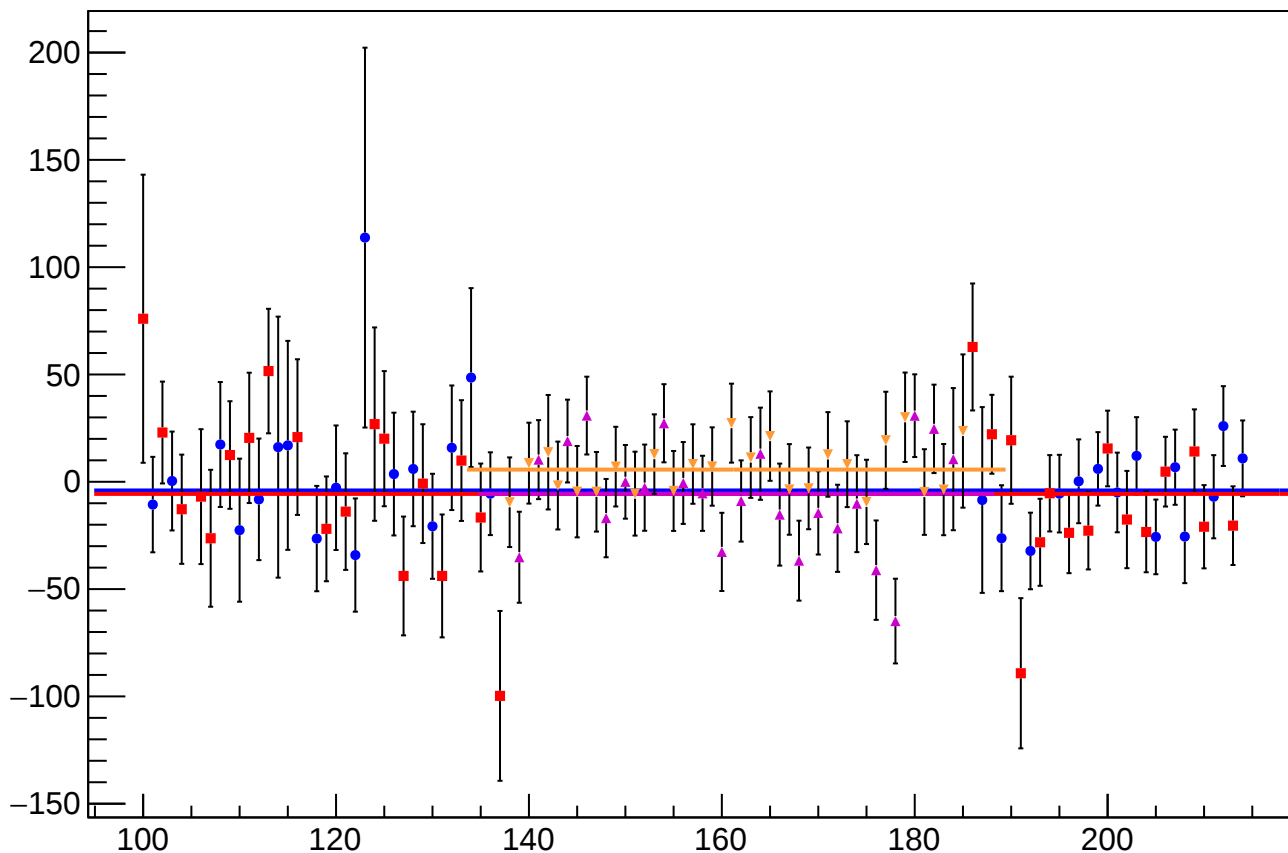
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF:1575744.0/22

+ sign 183.084 $\pm$ 0.023 χ^2 /NDF: 4309274.1/55

All: 178.460 $\pm$ 0.016 χ^2 /NDF: 8883774.7/112

- sign 174.126 $\pm$ 0.022 χ^2 /NDF: 4494582.9/56

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.047 $\pm$ 4.119 χ^2/NDF : 18.7/30

Left Out: 5.680 $\pm$ 4.024 χ^2/NDF : 7.7/24

Right Out: -5.645 $\pm$ 4.096 χ^2/NDF : 43.2/33

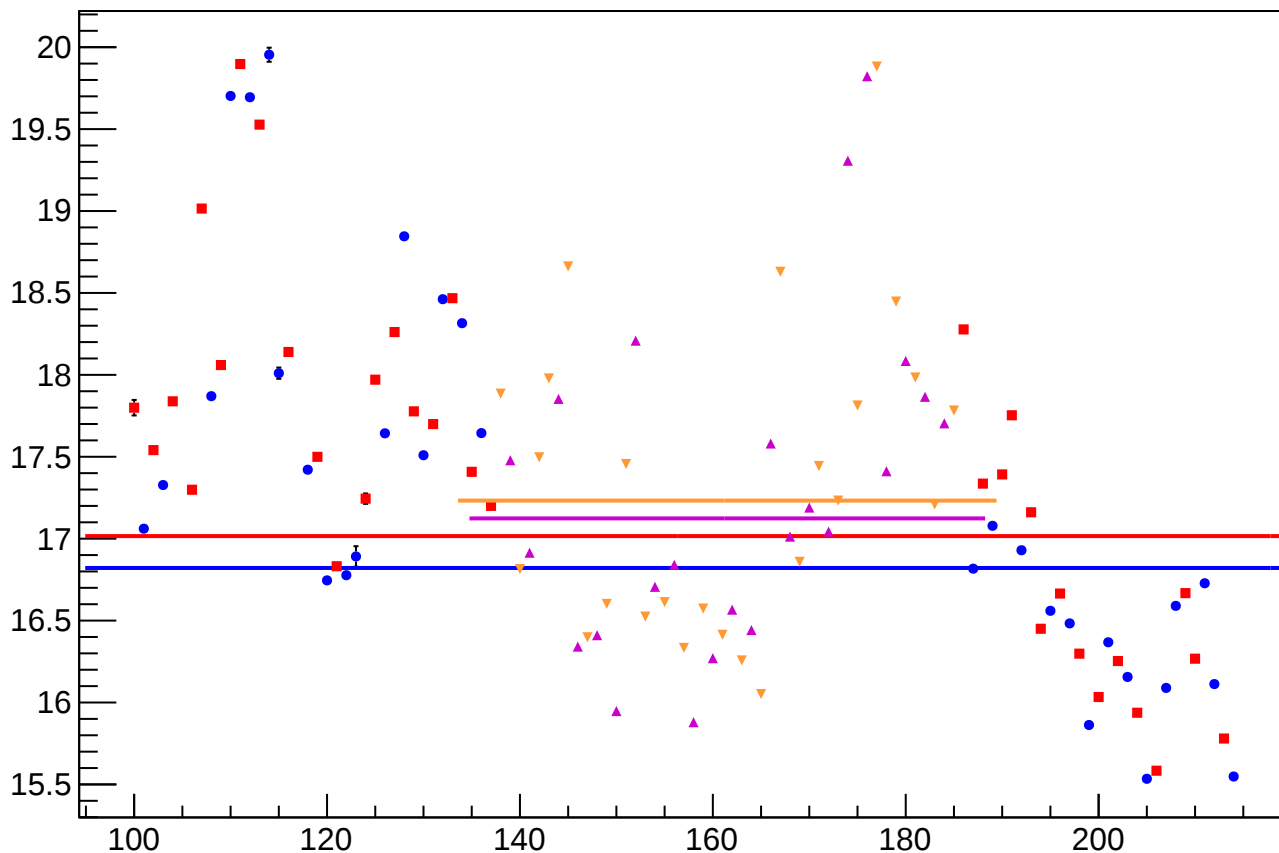
Left In: -5.595 $\pm$ 4.121 χ^2/NDF : 36.4/22

+ sign 0.931 $\pm$ 2.878 χ^2/NDF : 29.3/55

All: -2.314 $\pm$ 2.045 χ^2/NDF : 111.4/112

- sign -5.620 $\pm$ 2.905 χ^2/NDF : 79.5/56

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.821 $\pm$ 0.003 χ^2 /NDF: 113896.4/30

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF: 98701.0/24

Right Out: 17.016 $\pm$ 0.003 χ^2 /NDF: 119848.5/33

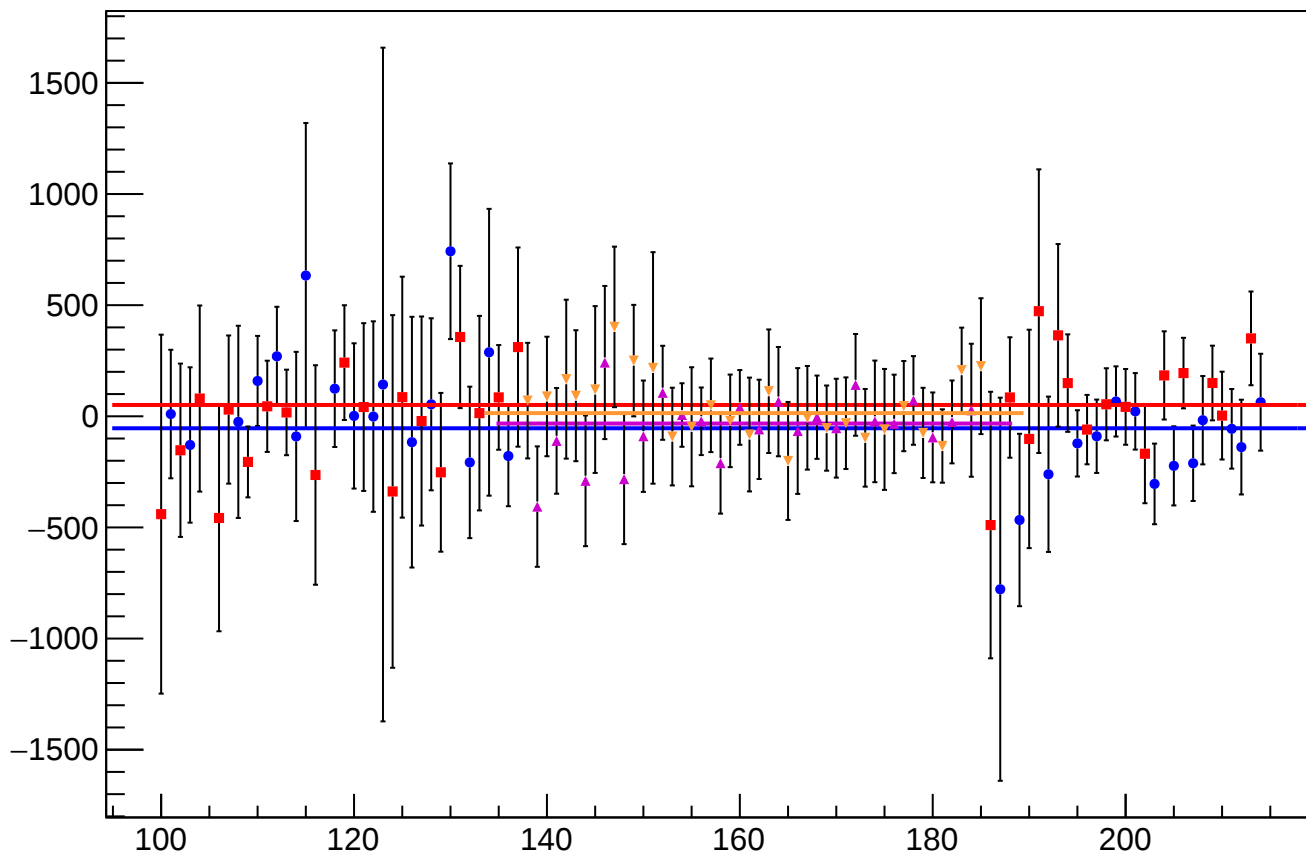
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.032 $\pm$ 0.002 χ^2 /NDF: 222795.0/55

All: 17.050 $\pm$ 0.001 χ^2 /NDF: 444250.7/112

- sign 17.069 $\pm$ 0.002 χ^2 /NDF: 221285.4/56

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -53.871 $\pm$ 43.703 χ^2 /NDF: 17.2/30

Left Out: 14.362 $\pm$ 48.130 χ^2 /NDF: 6.9/24

Right Out: 50.974 $\pm$ 43.427 χ^2 /NDF: 14.8/33

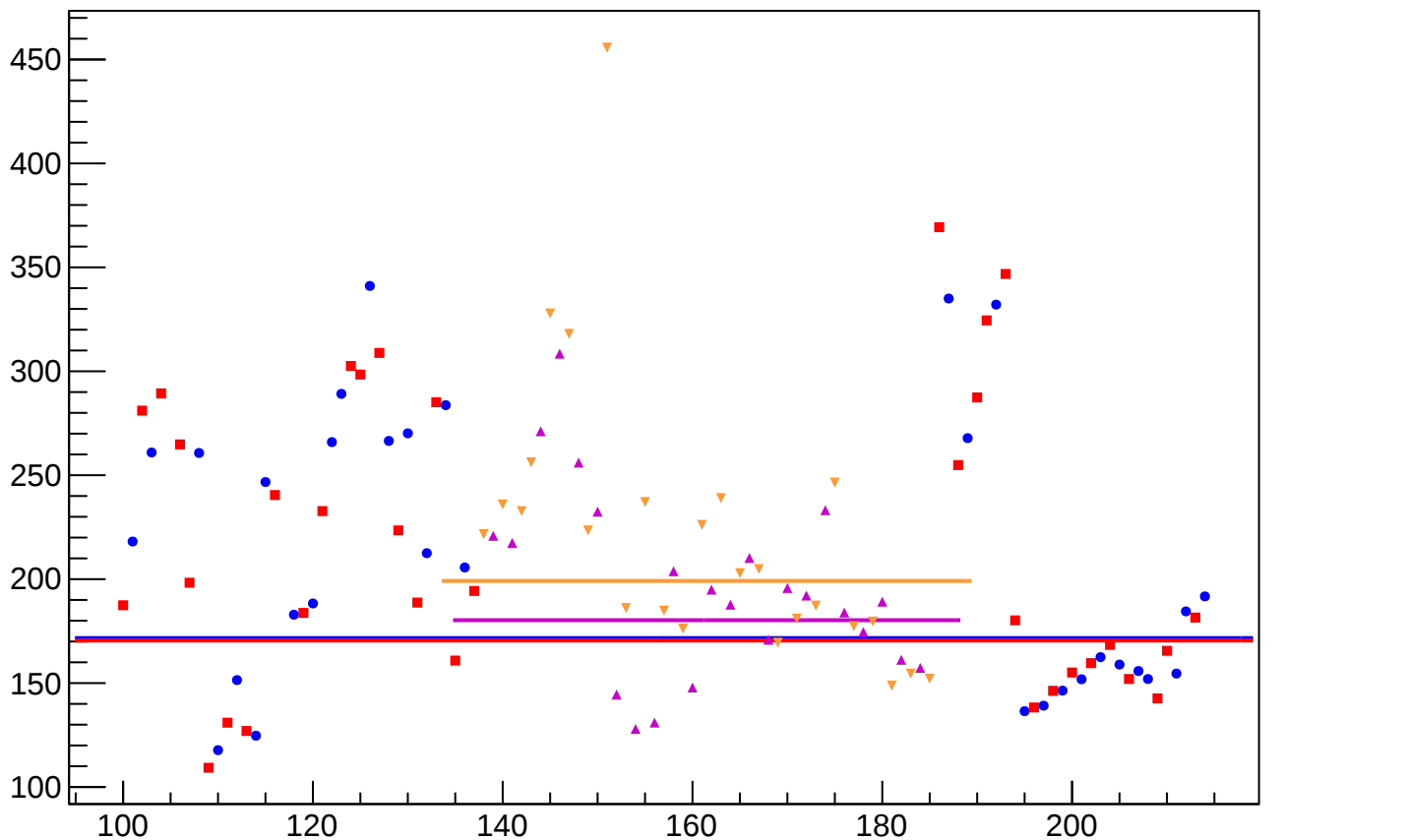
Left In: -32.571 $\pm$ 45.248 χ^2 /NDF: 6.7/22

+ sign -23.036 $\pm$ 32.355 χ^2 /NDF: 25.2/55

All: -5.514 $\pm$ 22.508 χ^2 /NDF: 49.0/112

- sign 10.916 $\pm$ 31.331 χ^2 /NDF: 23.3/56

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 171.665 $\pm$ 0.031 χ^2 /NDF: 2133720.5/30

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF:1760298.1/24

Right Out: 170.537 $\pm$ 0.031 χ^2 /NDF: 2769515.6/33

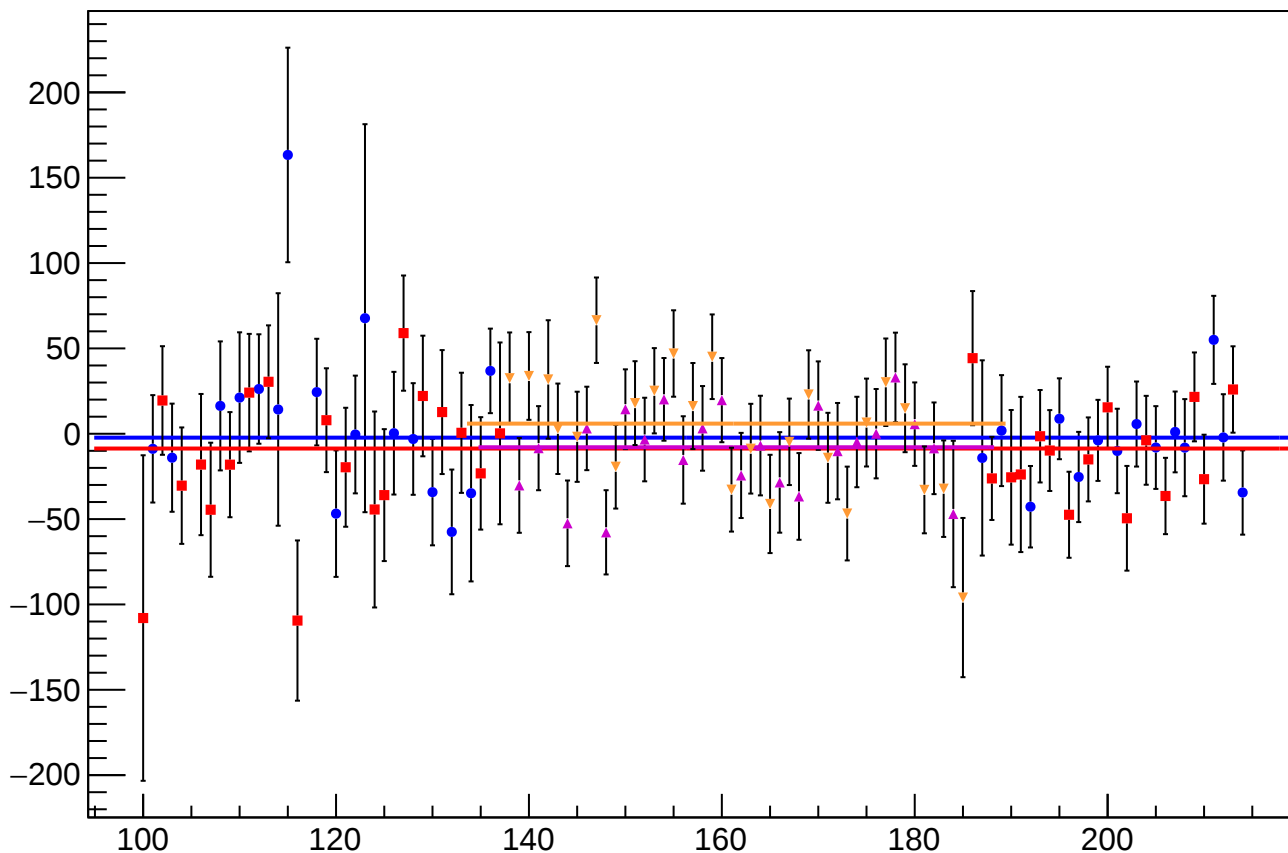
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF:1580553.5/22

+ sign 184.079 $\pm$ 0.023 χ^2 /NDF: 4251131.7/55

All: 179.495 $\pm$ 0.016 χ^2 /NDF: 8727024.1/112

- sign 175.197 $\pm$ 0.022 χ^2 /NDF: 4398107.2/56

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.282 ± 5.450 $\chi^2/\text{NDF}: 28.2/30$

Left Out: 5.937 ± 5.285 $\chi^2/\text{NDF}: 36.1/24$

Right Out: -8.660 ± 5.384 $\chi^2/\text{NDF}: 30.1/33$

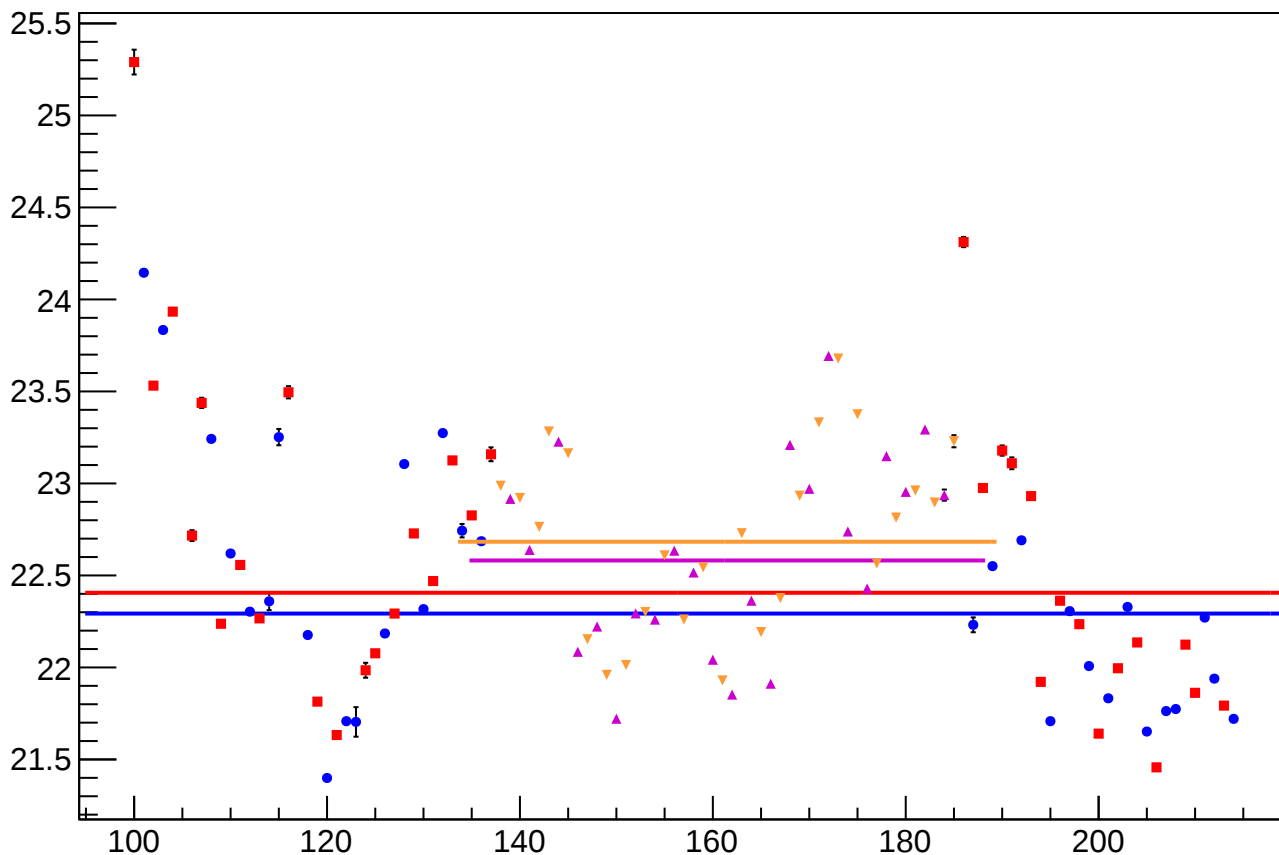
Left In: -7.915 ± 5.422 $\chi^2/\text{NDF}: 18.7/22$

+ sign 1.954 ± 3.794 $\chi^2/\text{NDF}: 65.6/55$

All: -3.133 ± 2.692 $\chi^2/\text{NDF}: 118.0/112$

- sign -8.290 ± 3.820 $\chi^2/\text{NDF}: 48.8/56$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.293 $\pm$ 0.004 χ^2 /NDF: 26136.2/30

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16320.2/24

Right Out: 22.406 $\pm$ 0.004 χ^2 /NDF: 32065.7/33

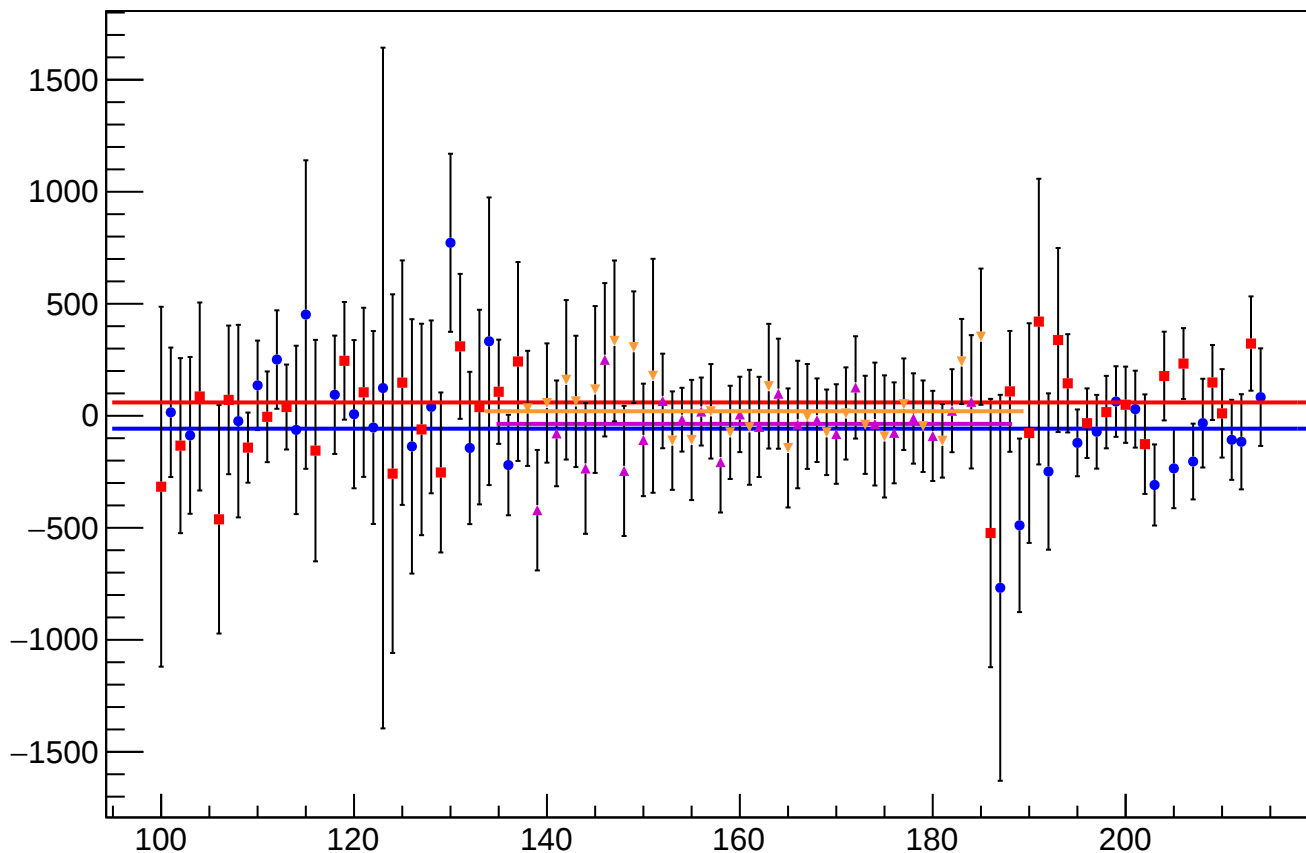
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.494 $\pm$ 0.003 χ^2 /NDF: 47744.4/55

All: 22.494 $\pm$ 0.002 χ^2 /NDF: 98768.2/112

- sign 22.493 $\pm$ 0.003 χ^2 /NDF: 51023.8/56

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -57.470 ± 43.581 χ^2/NDF : 16.8/30

Left Out: 20.306 ± 48.049 χ^2/NDF : 7.7/24

Right Out: 59.705 ± 43.245 χ^2/NDF : 12.4/33

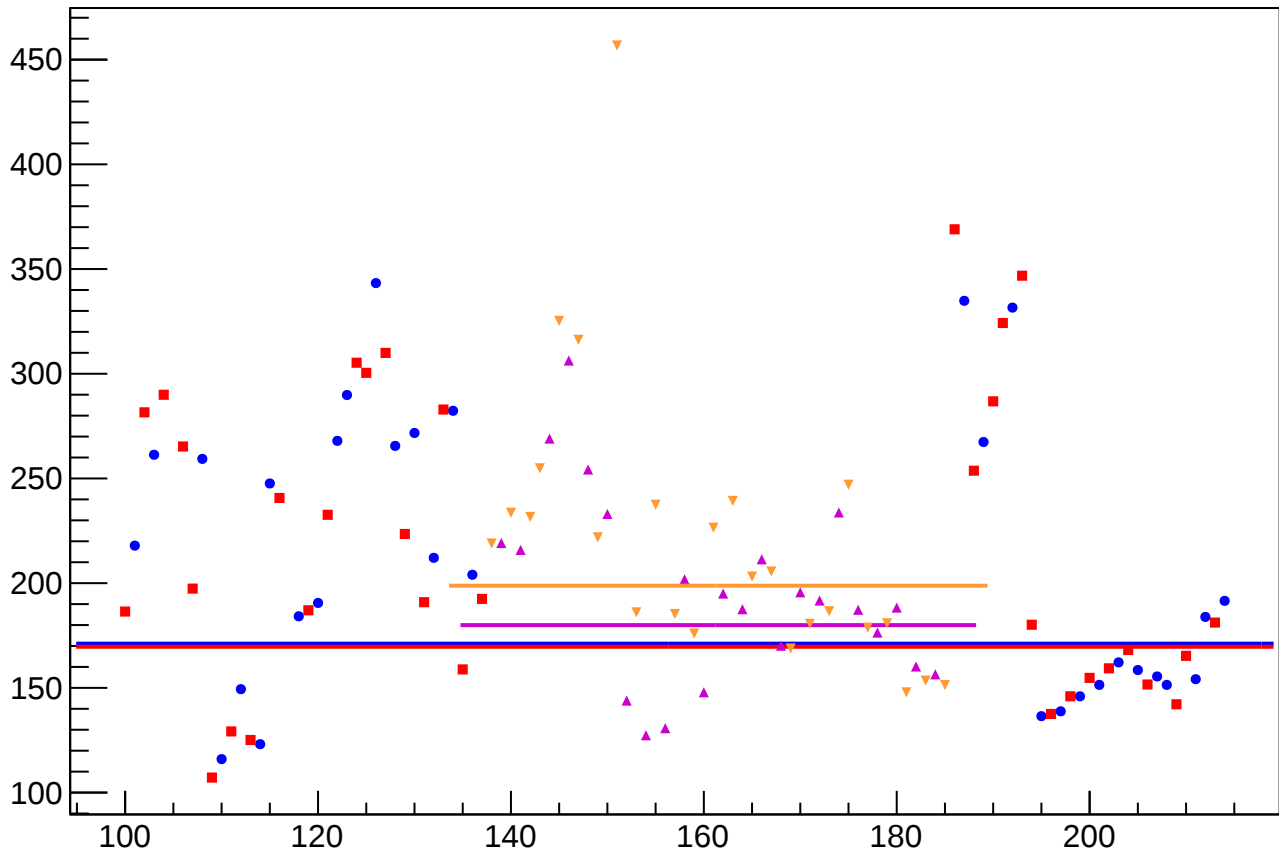
Left In: -35.996 ± 45.180 χ^2/NDF : 6.1/22

+ sign -22.365 ± 32.281 χ^2/NDF : 26.0/55

All: -3.615 ± 22.449 χ^2/NDF : 47.4/112

- sign 13.948 ± 31.241 χ^2/NDF : 20.8/56

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 171.112 $\pm$ 0.031 χ^2 /NDF: 2163861.8/30

Left Out: 198.784 $\pm$ 0.034 χ^2 /NDF:1758481.8/24

Right Out: 169.633 $\pm$ 0.031 χ^2 /NDF: 2836704.8/33

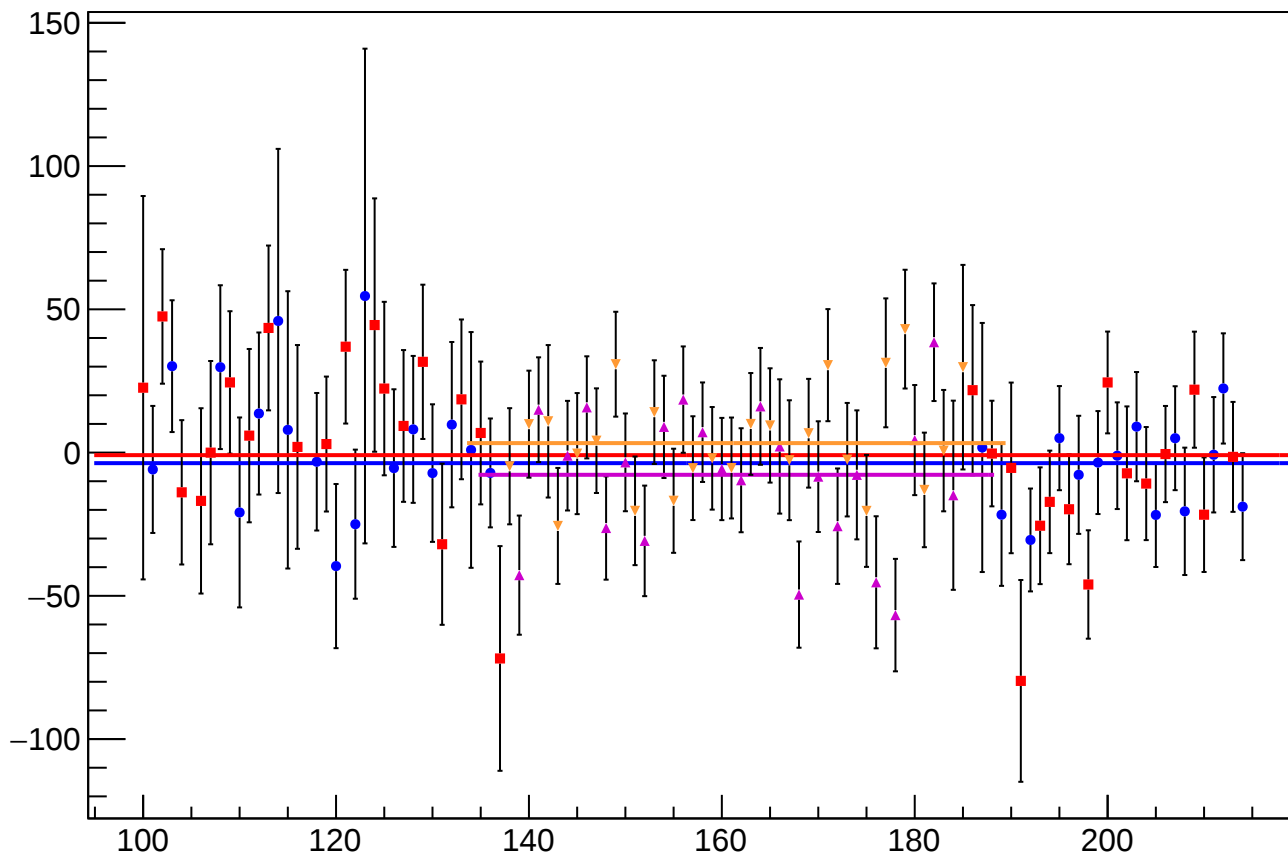
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 183.602 $\pm$ 0.023 χ^2 /NDF: 4286298.5/55

All: 178.942 $\pm$ 0.016 χ^2 /NDF: 8834286.3/112

- sign 174.577 $\pm$ 0.022 χ^2 /NDF: 4467255.8/56

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.690 ± 4.181 $\chi^2/\text{NDF}: 16.0/30$

Left Out: 3.307 ± 3.954 $\chi^2/\text{NDF}: 18.7/24$

Right Out: -0.893 ± 4.135 $\chi^2/\text{NDF}: 38.0/33$

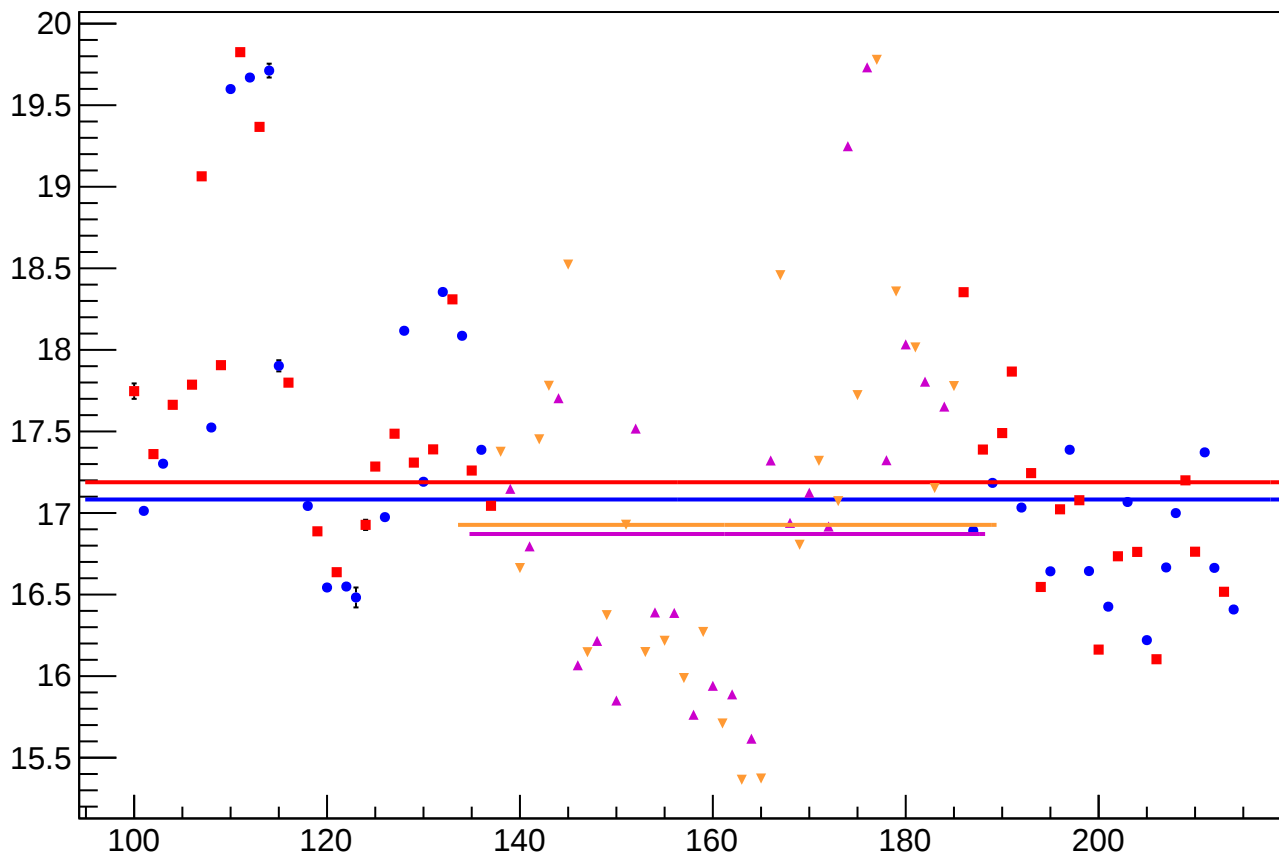
Left In: -7.756 ± 4.061 $\chi^2/\text{NDF}: 34.3/22$

+ sign 0.004 ± 2.873 $\chi^2/\text{NDF}: 36.1/55$

All: -2.173 ± 2.040 $\chi^2/\text{NDF}: 111.0/112$

- sign -4.387 ± 2.897 $\chi^2/\text{NDF}: 73.7/56$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.083 $\pm$ 0.003 χ^2 /NDF: 58846.1/30

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.189 $\pm$ 0.003 χ^2 /NDF: 69514.2/33

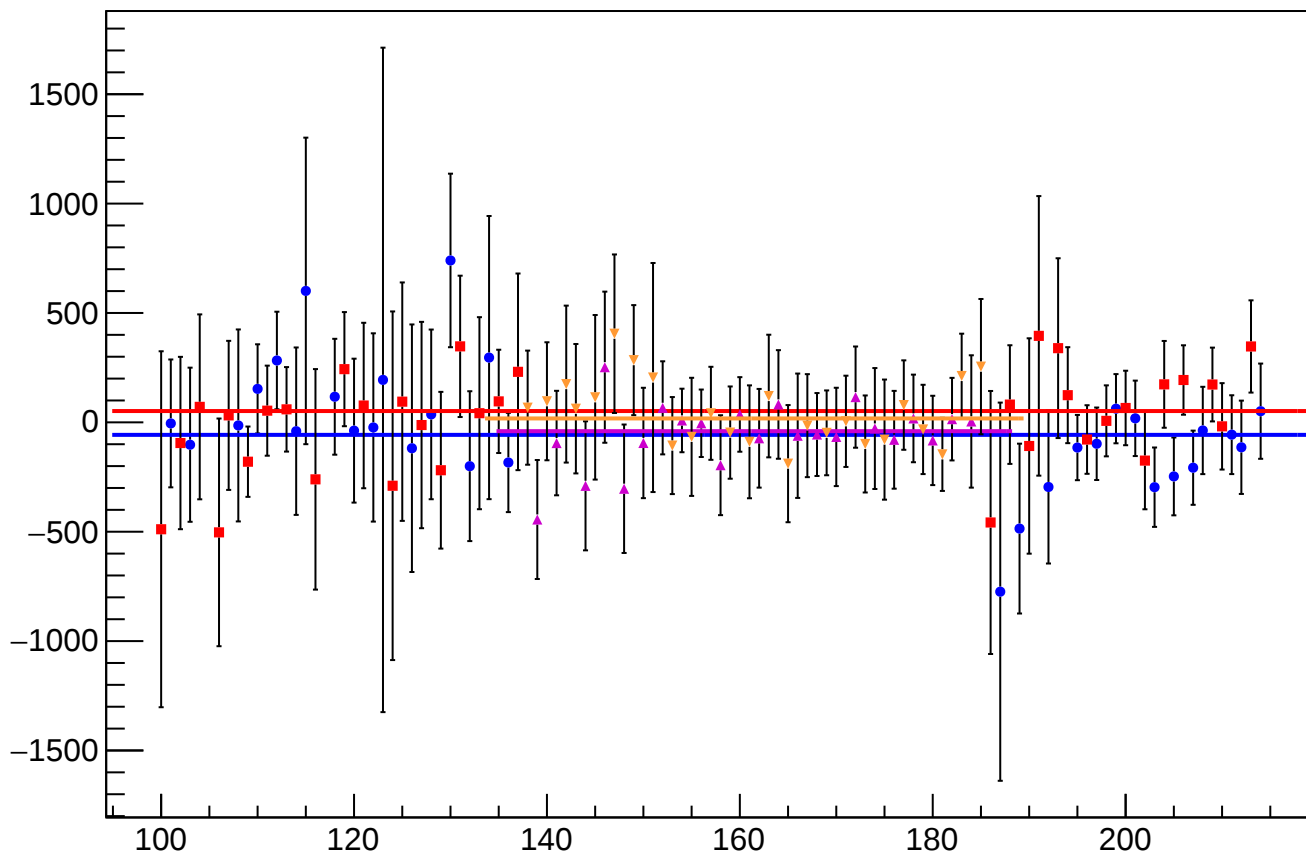
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.001 $\pm$ 0.002 χ^2 /NDF: 198841.2/55

All: 17.014 $\pm$ 0.001 χ^2 /NDF: 392427.3/112

- sign 17.027 $\pm$ 0.002 χ^2 /NDF: 193502.9/56

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -57.227 ± 43.824 χ^2/NDF : 17.0/30

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 51.639 ± 43.565 χ^2/NDF : 13.8/33

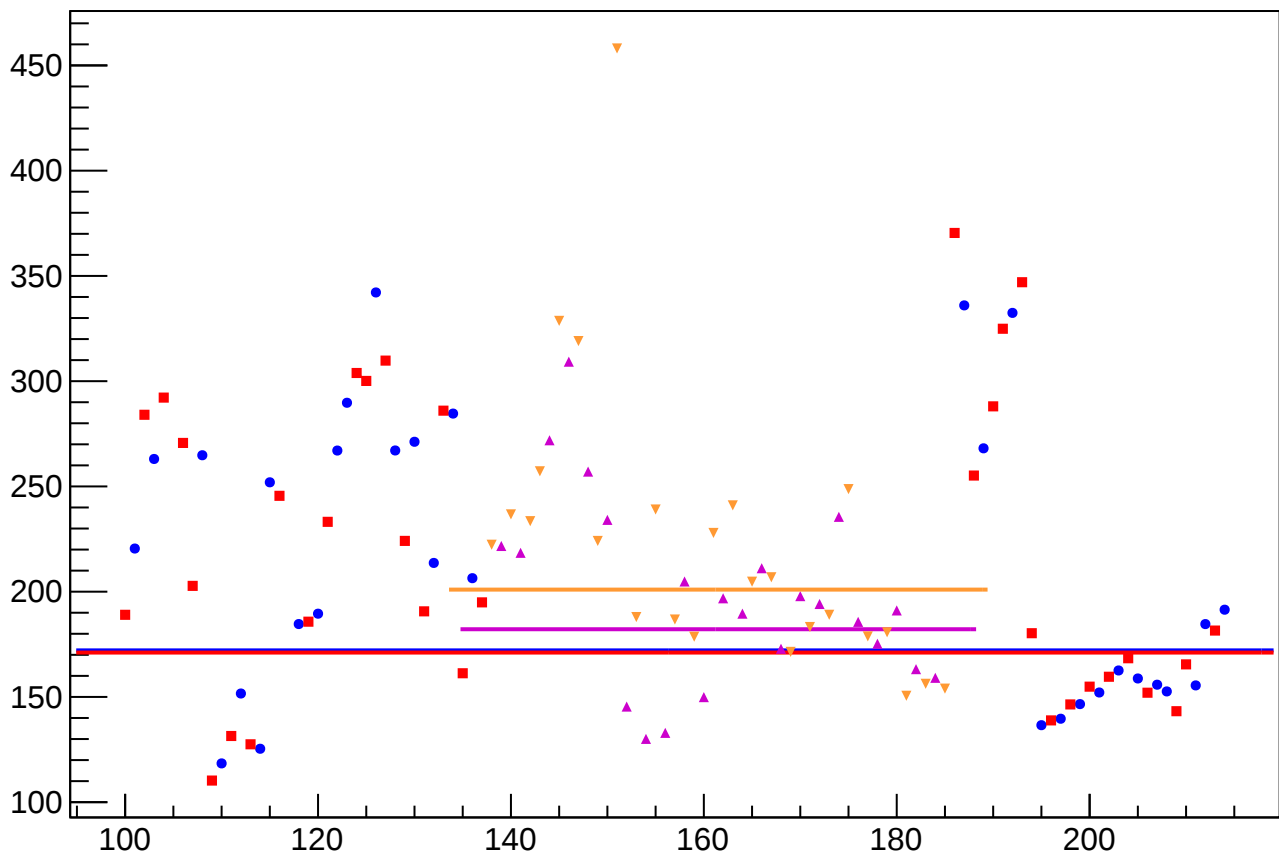
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign -23.527 ± 32.530 χ^2/NDF : 25.8/55

All: -7.359 ± 22.640 χ^2/NDF : 48.9/112

- sign 7.830 ± 31.529 χ^2/NDF : 22.6/56

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 172.113 $\pm$ 0.031 χ^2 /NDF: 2146719.3/30

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF:1727291.4/24

Right Out: 171.079 $\pm$ 0.031 χ^2 /NDF: 2779746.7/33

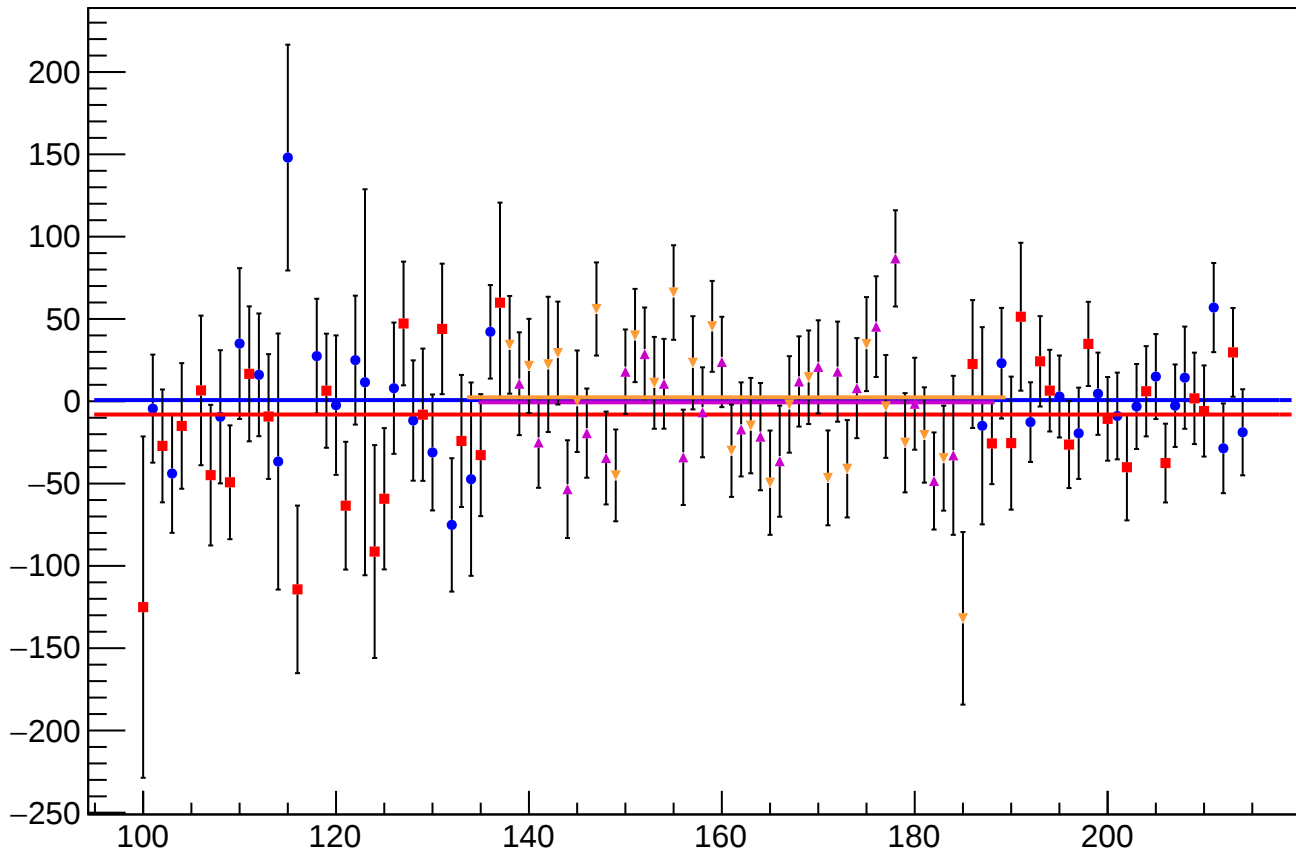
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF:1535922.8/22

+ sign 185.077 $\pm$ 0.023 χ^2 /NDF: 4263779.7/55

All: 180.580 $\pm$ 0.016 χ^2 /NDF: 8715172.7/112

- sign 176.355 $\pm$ 0.022 χ^2 /NDF: 4377266.8/56

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.716 ± 5.878 χ^2/NDF : 23.5/30

Left Out: 2.390 ± 5.980 χ^2/NDF : 39.1/24

Right Out: -8.051 ± 5.781 χ^2/NDF : 32.6/33

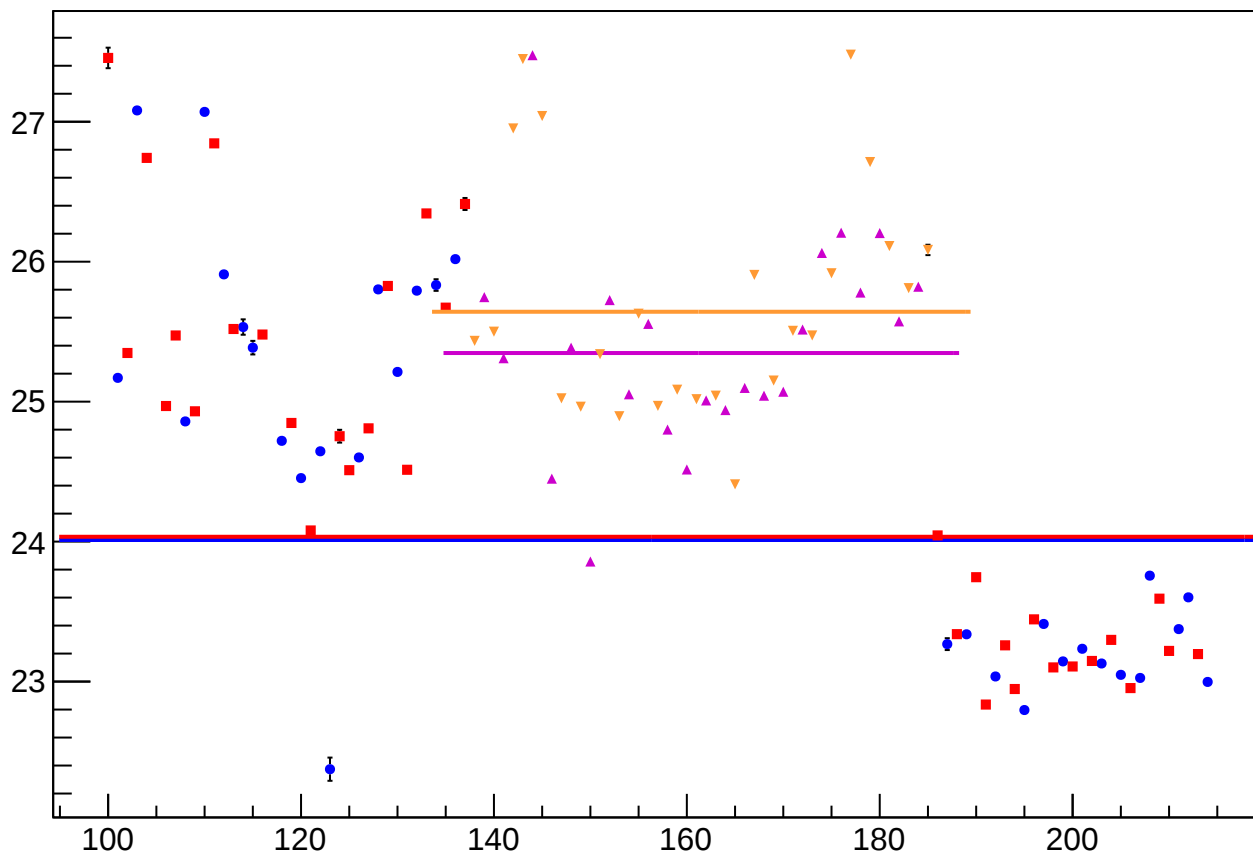
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 1.538 ± 4.192 χ^2/NDF : 62.7/55

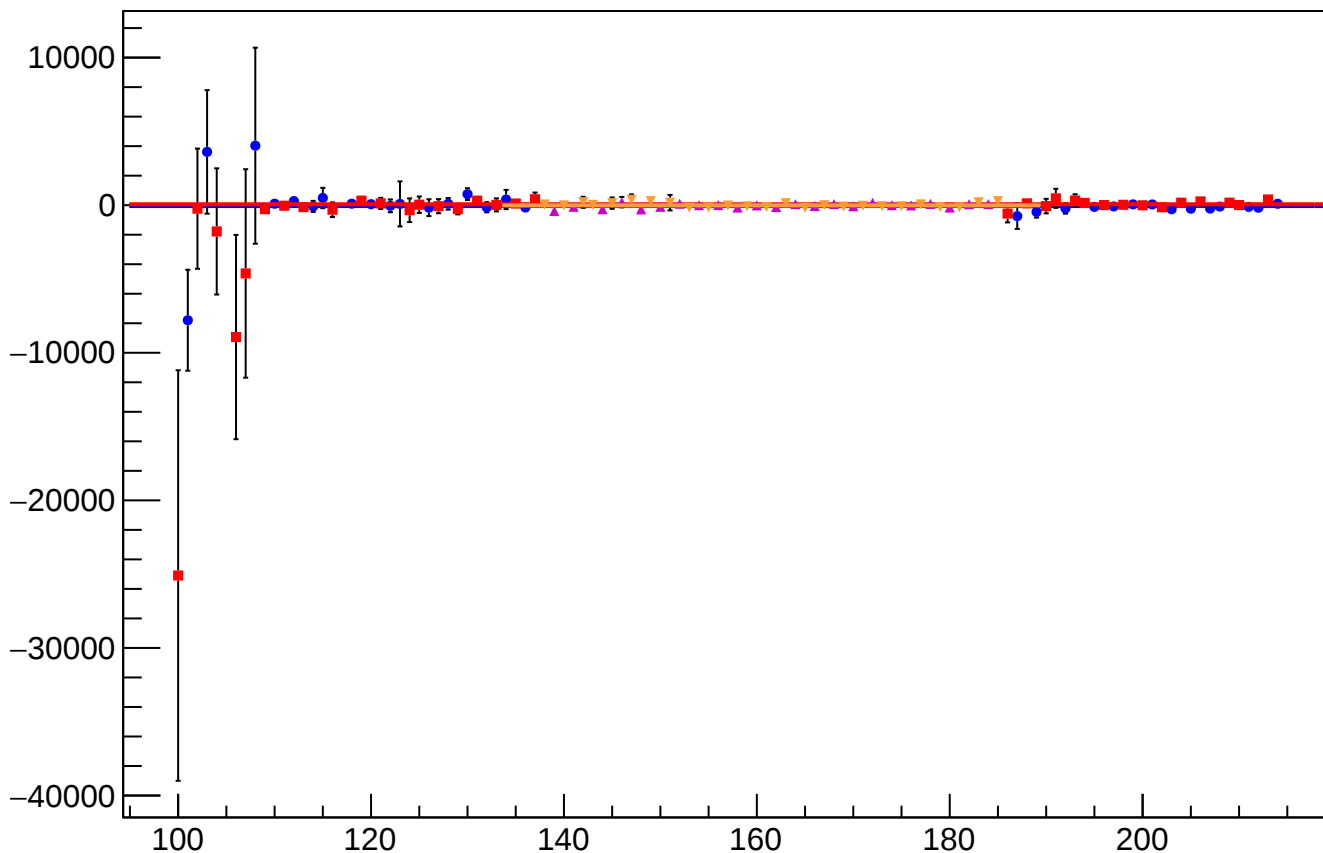
All: -1.500 ± 2.964 χ^2/NDF : 124.4/112

- sign -4.540 ± 4.193 χ^2/NDF : 60.7/56

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -58.818 $\pm$ 45.750 χ^2 /NDF: 22.3/30

Left Out: -11.432 $\pm$ 48.263 χ^2 /NDF:8.0/24

Right Out: 62.231 $\pm$ 46.200 χ^2 /NDF: 20.6/33

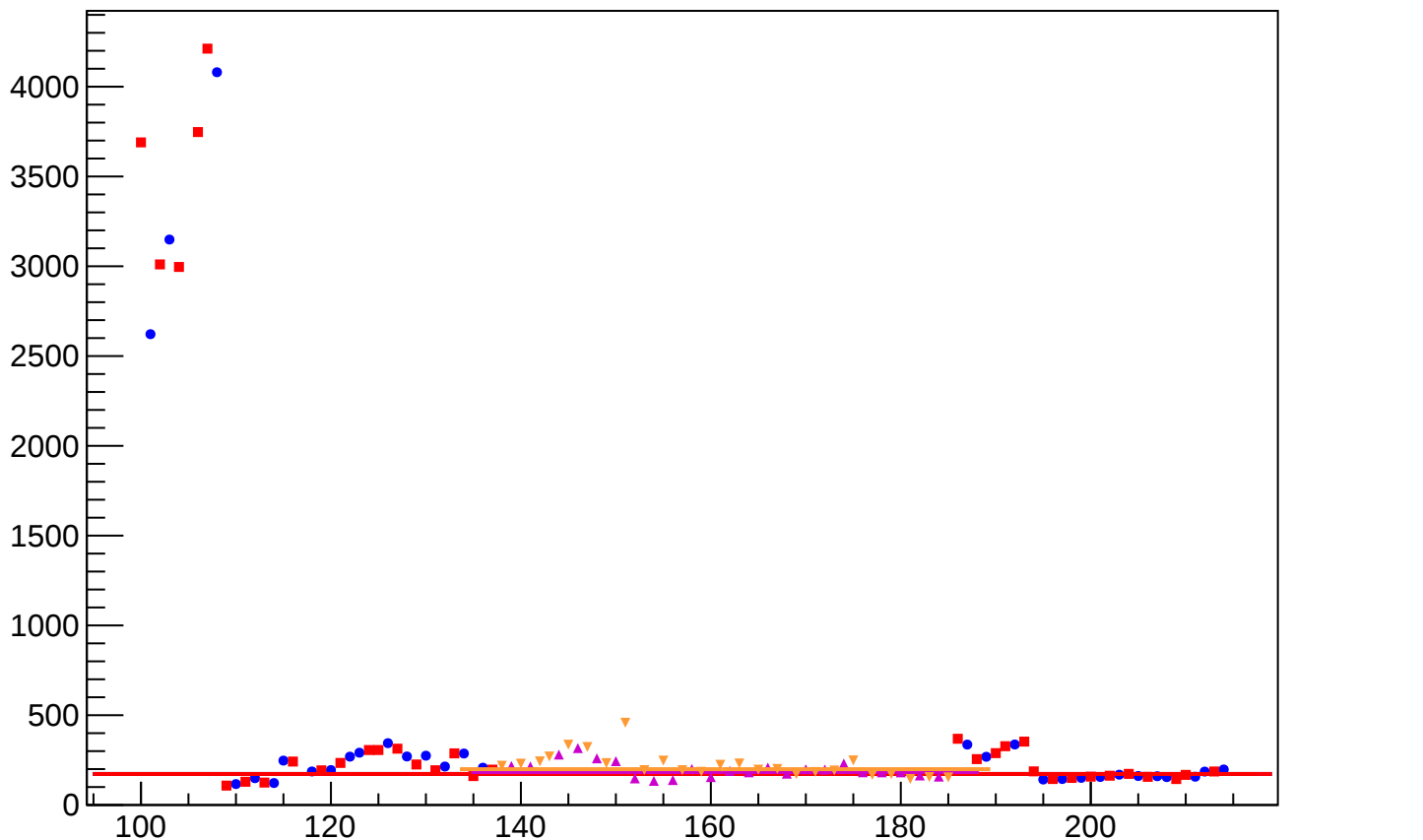
Left In: -27.098 $\pm$ 45.999 χ^2 /NDF:7.2/22

+ sign -36.391 $\pm$ 33.203 χ^2 /NDF: 30.8/55

All: -9.014 $\pm$ 23.261 χ^2 /NDF: 61.8/112

- sign 17.371 $\pm$ 32.597 χ^2 /NDF: 29.7/56

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 172.790 $\pm$ 0.032 χ^2 /NDF: 4551852.4/30

Left Out: 199.438 $\pm$ 0.034 χ^2 /NDF: 1877848.7/24

Right Out: 172.719 $\pm$ 0.033 χ^2 /NDF: 5402238.0/33

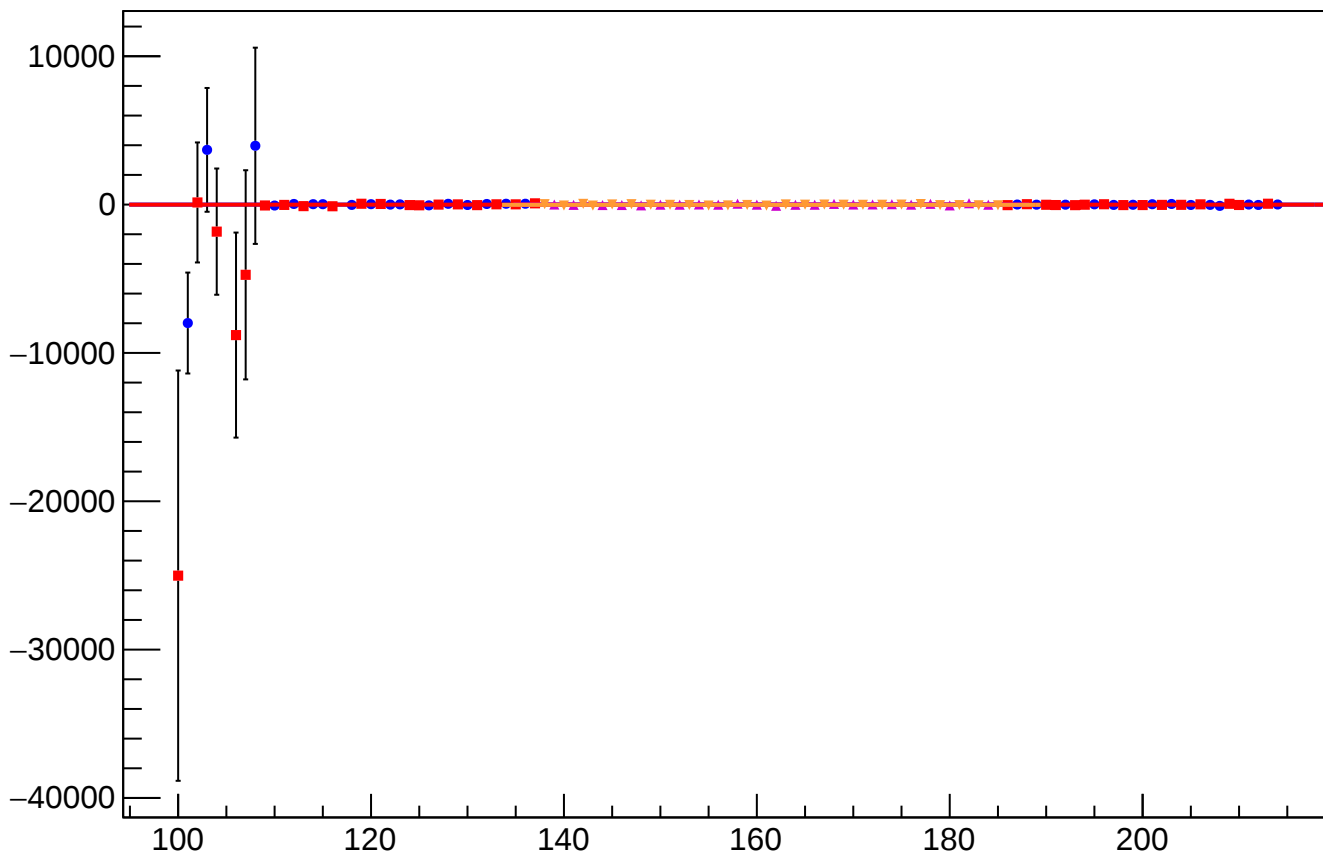
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF: 1412869.6/22

+ sign 185.402 $\pm$ 0.023 χ^2 /NDF: 6750843.6/55

All: 181.779 $\pm$ 0.016 χ^2 /NDF: 13670563.4/13

- sign 178.286 $\pm$ 0.023 χ^2 /NDF: 6872939.0/56

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: -1.297 ± 7.044 χ^2/NDF : 30.1/30

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: -5.536 ± 7.033 χ^2/NDF : 38.1/33

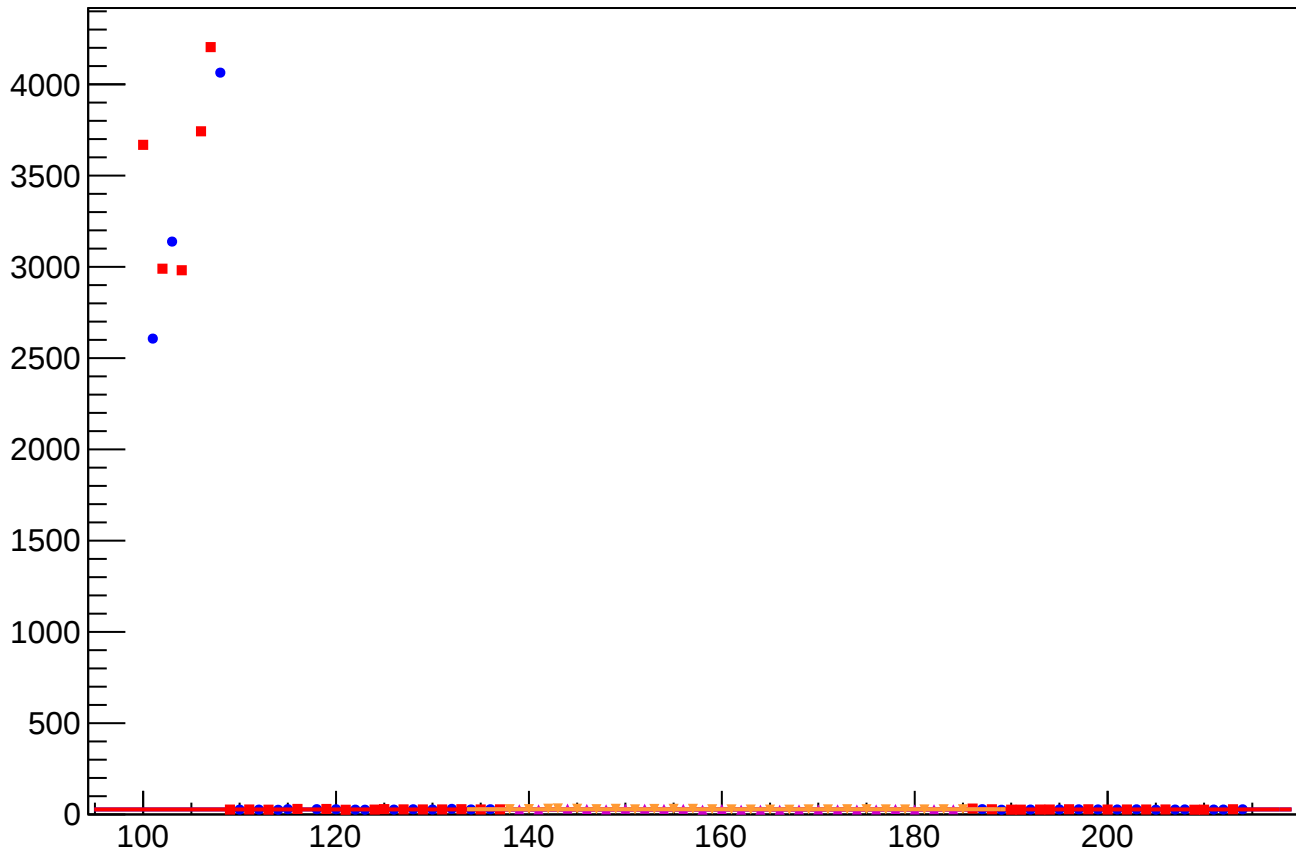
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -10.124 ± 4.856 χ^2/NDF : 54.9/55

All: -6.793 ± 3.459 χ^2/NDF : 126.2/112

- sign -3.363 ± 4.928 χ^2/NDF : 70.3/56

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.467 $\pm$ 0.005 χ^2 /NDF: 3042959.2/30

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.471 $\pm$ 0.005 χ^2 /NDF: 3513783.2/33

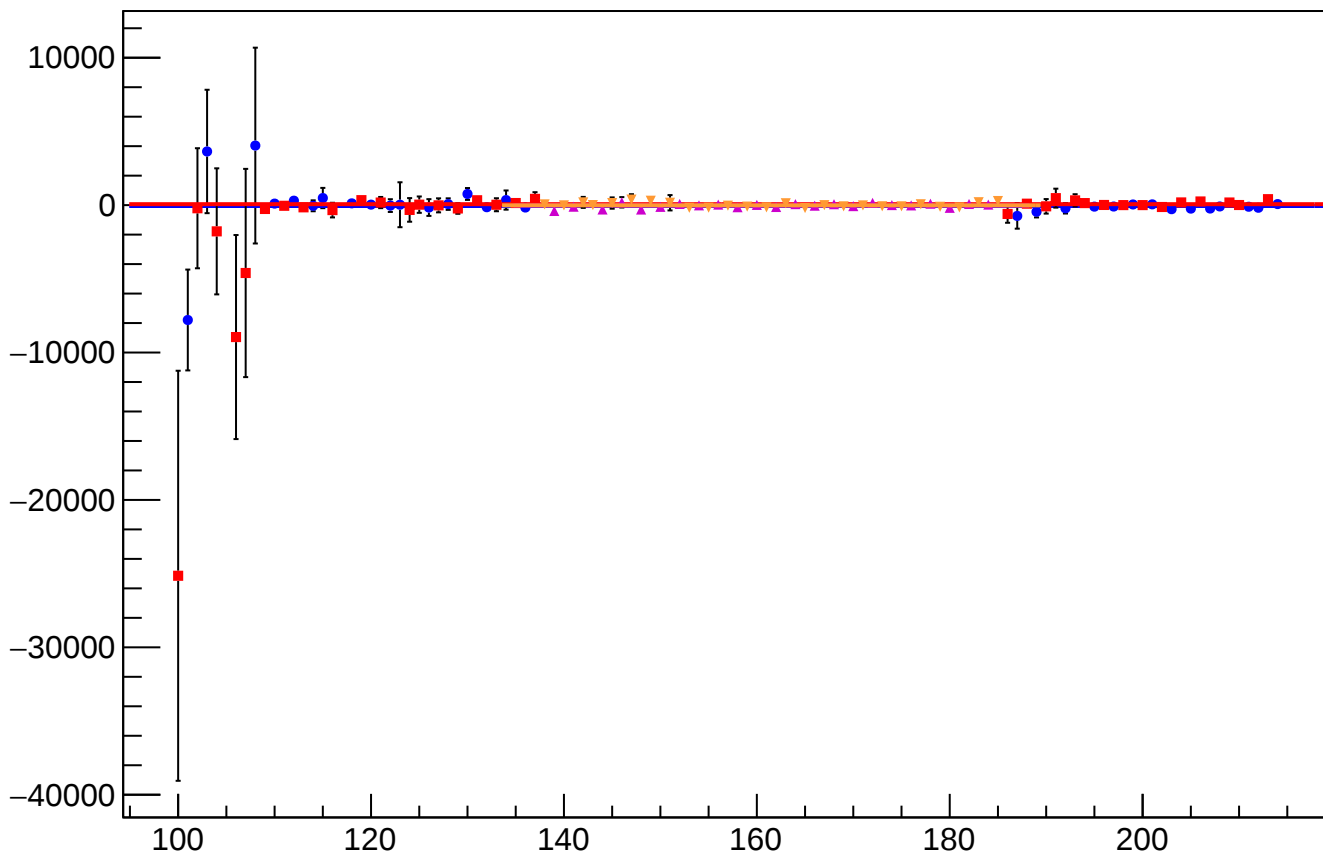
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.111 $\pm$ 0.003 χ^2 /NDF: 3185229.5/55

All: 28.098 $\pm$ 0.002 χ^2 /NDF: 6852778.8/112

- sign 28.085 $\pm$ 0.003 χ^2 /NDF: 3667520.4/56

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -58.698 ± 45.611 χ^2/NDF : 22.5/30

Left Out: -13.878 ± 48.155 χ^2/NDF : 8.8/24

Right Out: 64.714 ± 46.066 χ^2/NDF : 21.5/33

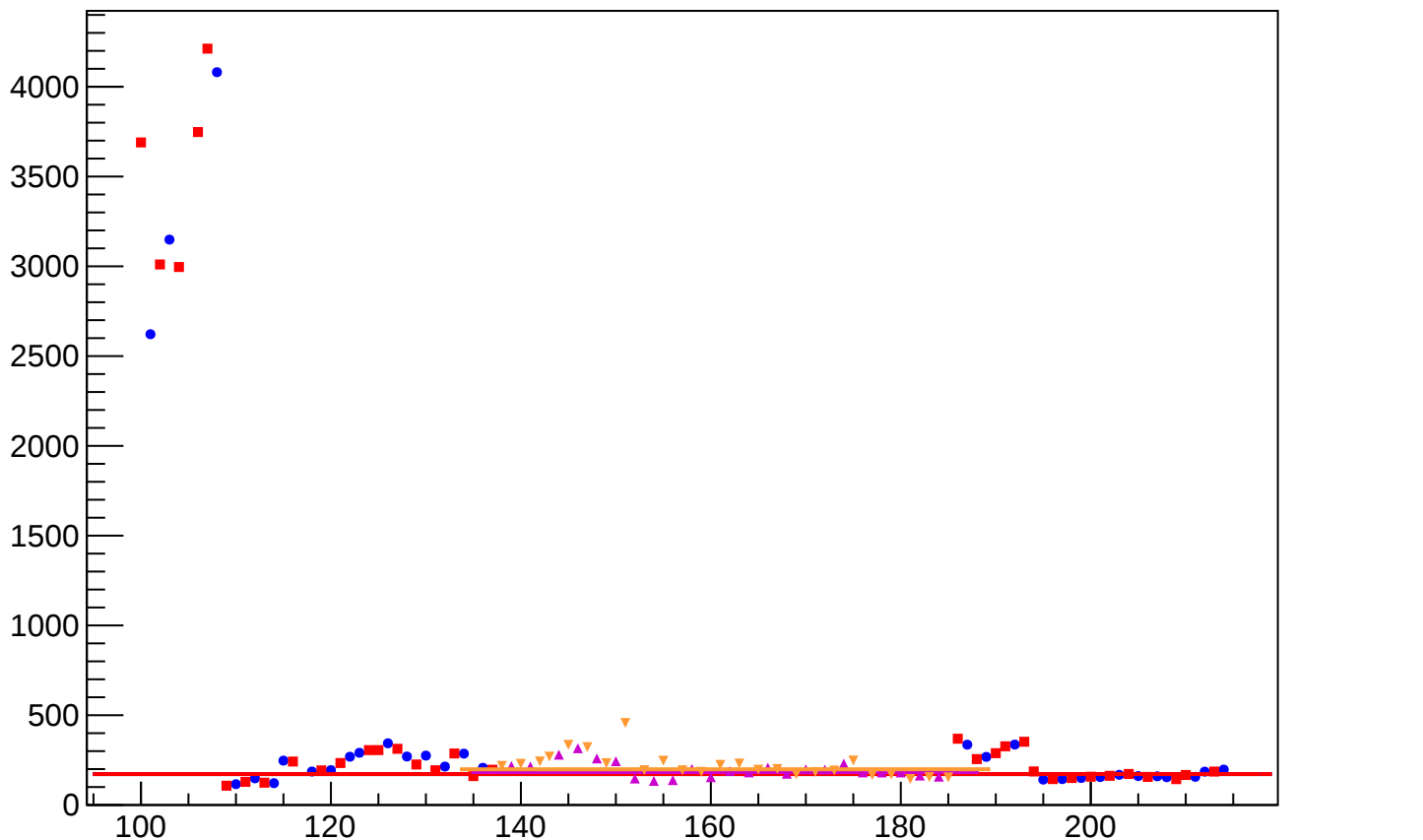
Left In: -27.286 ± 45.907 χ^2/NDF : 7.5/22

+ sign -37.503 ± 33.115 χ^2/NDF : 31.8/55

All: -8.964 ± 23.202 χ^2/NDF : 64.2/112

- sign 18.554 ± 32.517 χ^2/NDF : 31.0/56

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.225 $\pm$ 0.032 χ^2 /NDF: 4565266.9/30

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF:1877636.0/24

Right Out: 172.167 $\pm$ 0.033 χ^2 /NDF: 5420056.4/33

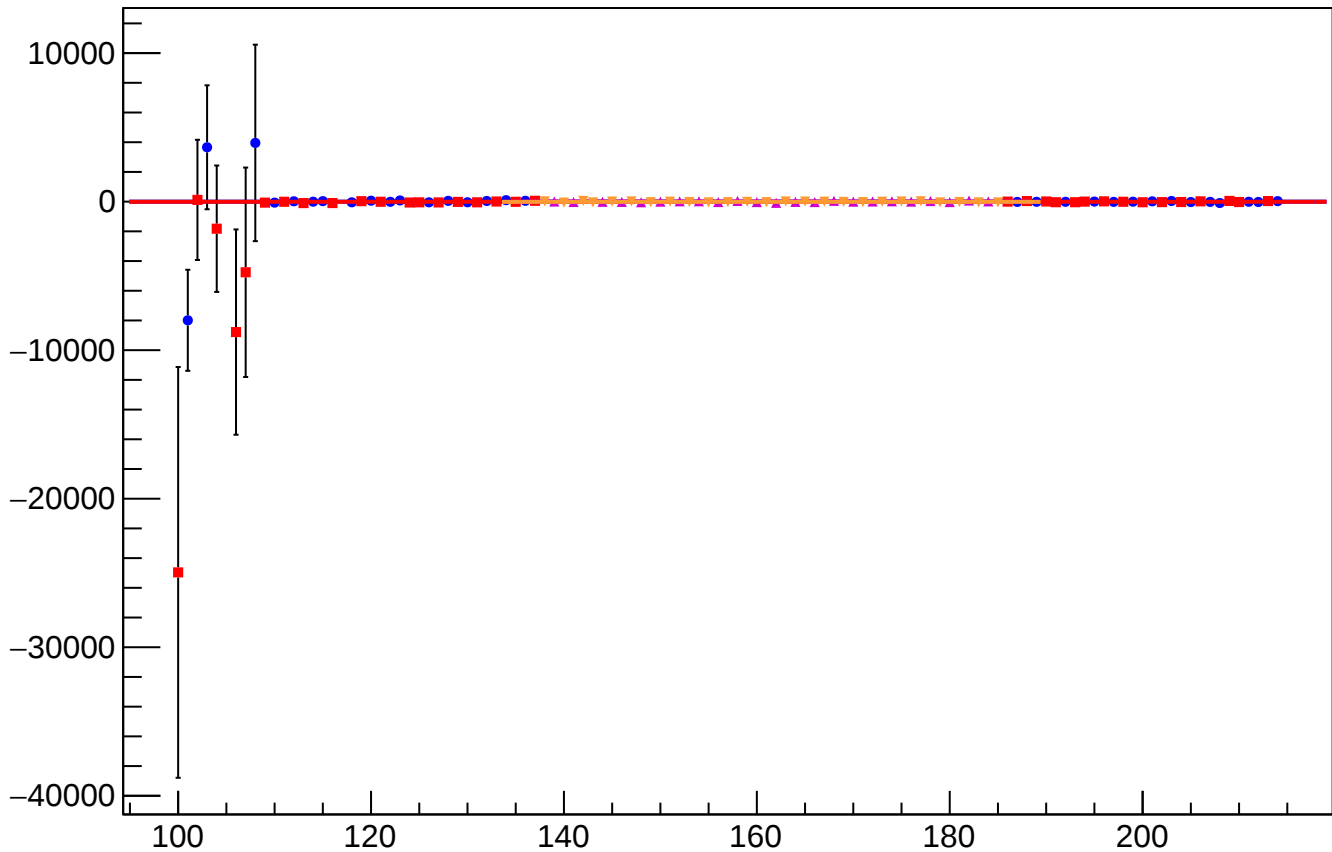
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF:1412341.8/22

+ sign 184.885 $\pm$ 0.023 χ^2 /NDF: 6768736.6/55

All: 181.290 $\pm$ 0.016 χ^2 /NDF: 13707529.1/11

- sign 177.824 $\pm$ 0.023 χ^2 /NDF: 6892502.0/56

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.500 ± 7.009 χ^2/NDF : 35.8/30

Left Out: -15.829 ± 6.733 χ^2/NDF : 16.5/24

Right Out: -9.140 ± 7.010 χ^2/NDF : 32.7/33

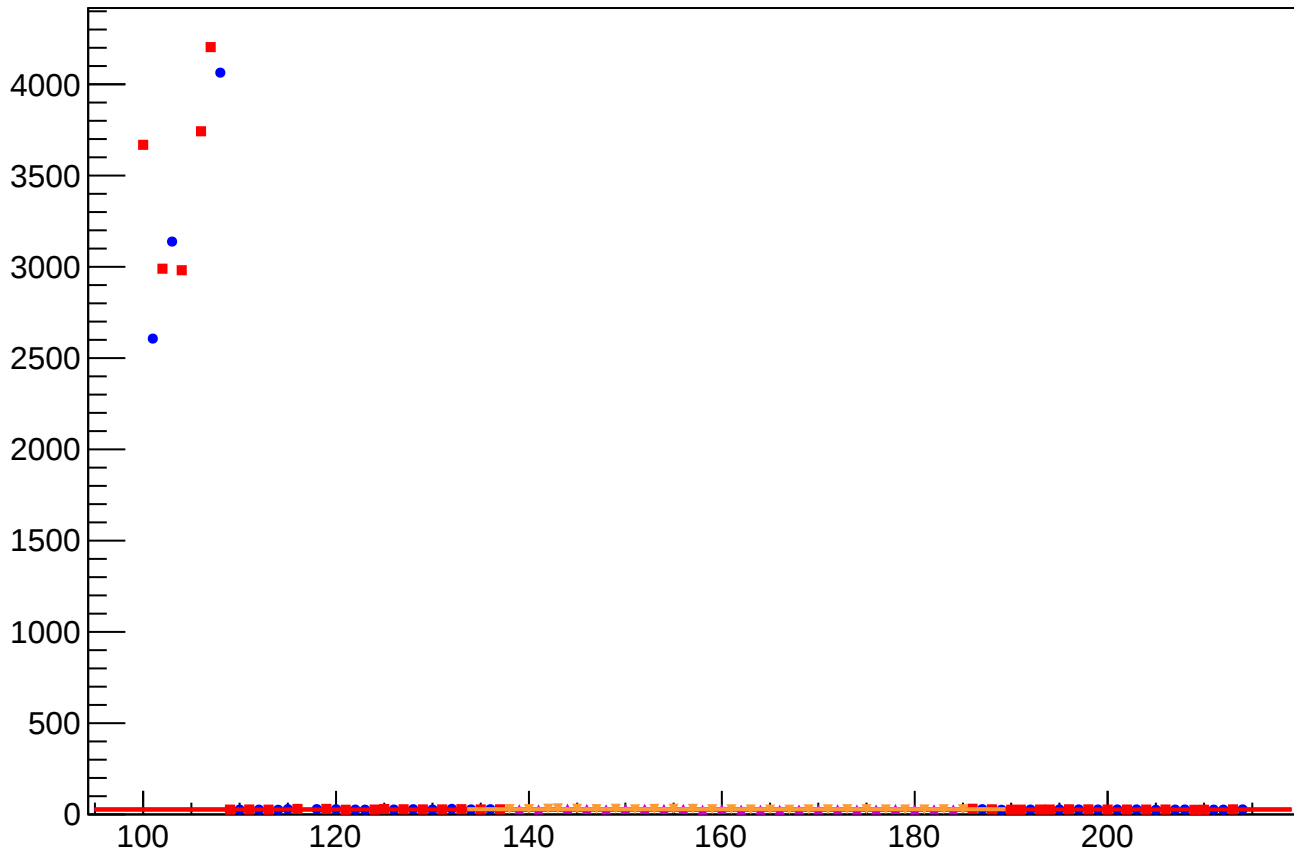
Left In: 0.498 ± 6.937 χ^2/NDF : 26.1/22

+ sign -8.952 ± 4.856 χ^2/NDF : 54.5/55

All: -6.647 ± 3.460 χ^2/NDF : 114.7/112

- sign -4.270 ± 4.931 χ^2/NDF : 59.7/56

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.324 $\pm$ 0.005 χ^2 /NDF: 3050290.4/30

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.381 $\pm$ 0.005 χ^2 /NDF: 3517364.9/33

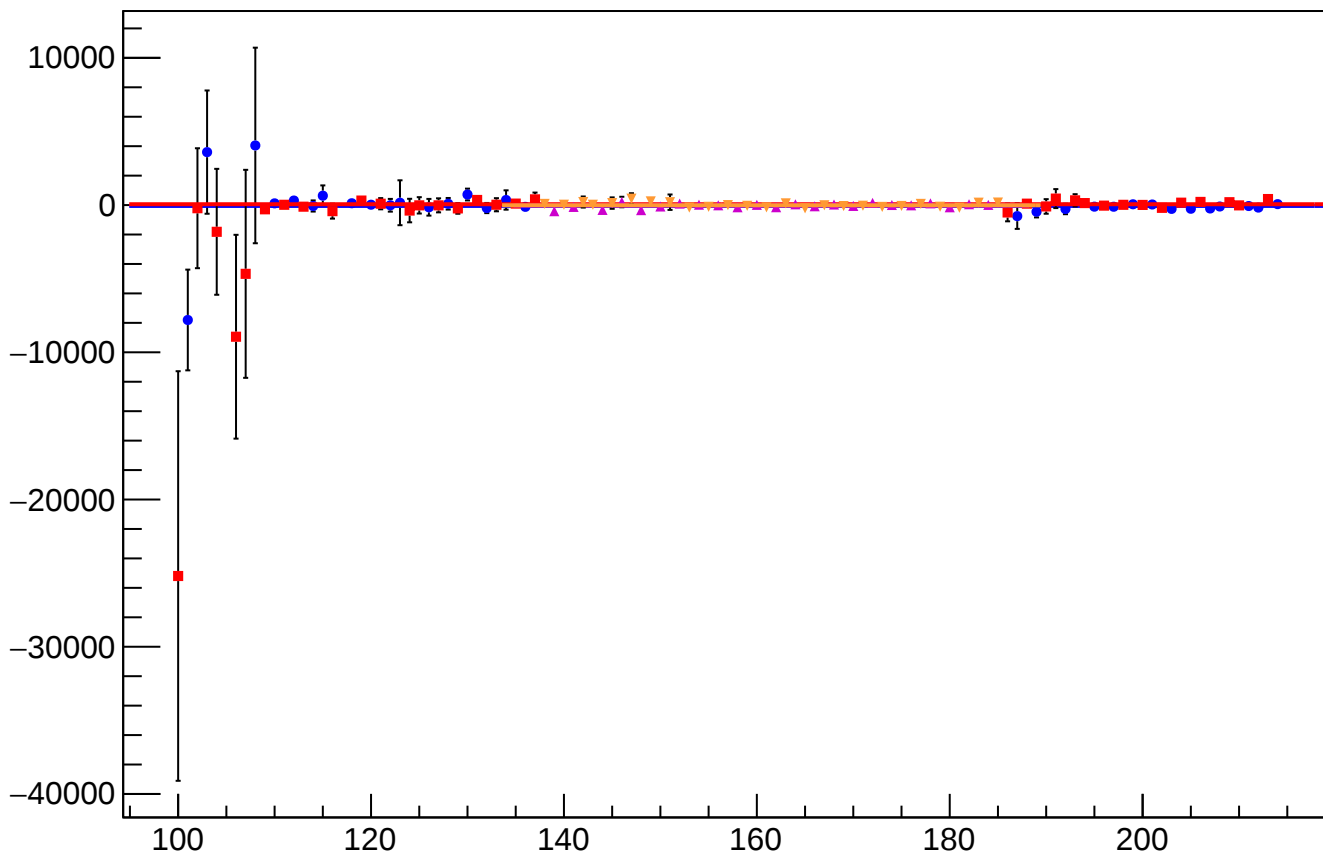
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.099 $\pm$ 0.003 χ^2 /NDF: 3219454.0/55

All: 28.098 $\pm$ 0.002 χ^2 /NDF: 6906339.3/112

- sign 28.097 $\pm$ 0.003 χ^2 /NDF: 3686885.0/56

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -57.619 ± 45.918 χ^2/NDF : 22.6/30

Left Out: -13.966 ± 48.735 χ^2/NDF : 8.1/24

Right Out: 57.336 ± 46.398 χ^2/NDF : 21.0/33

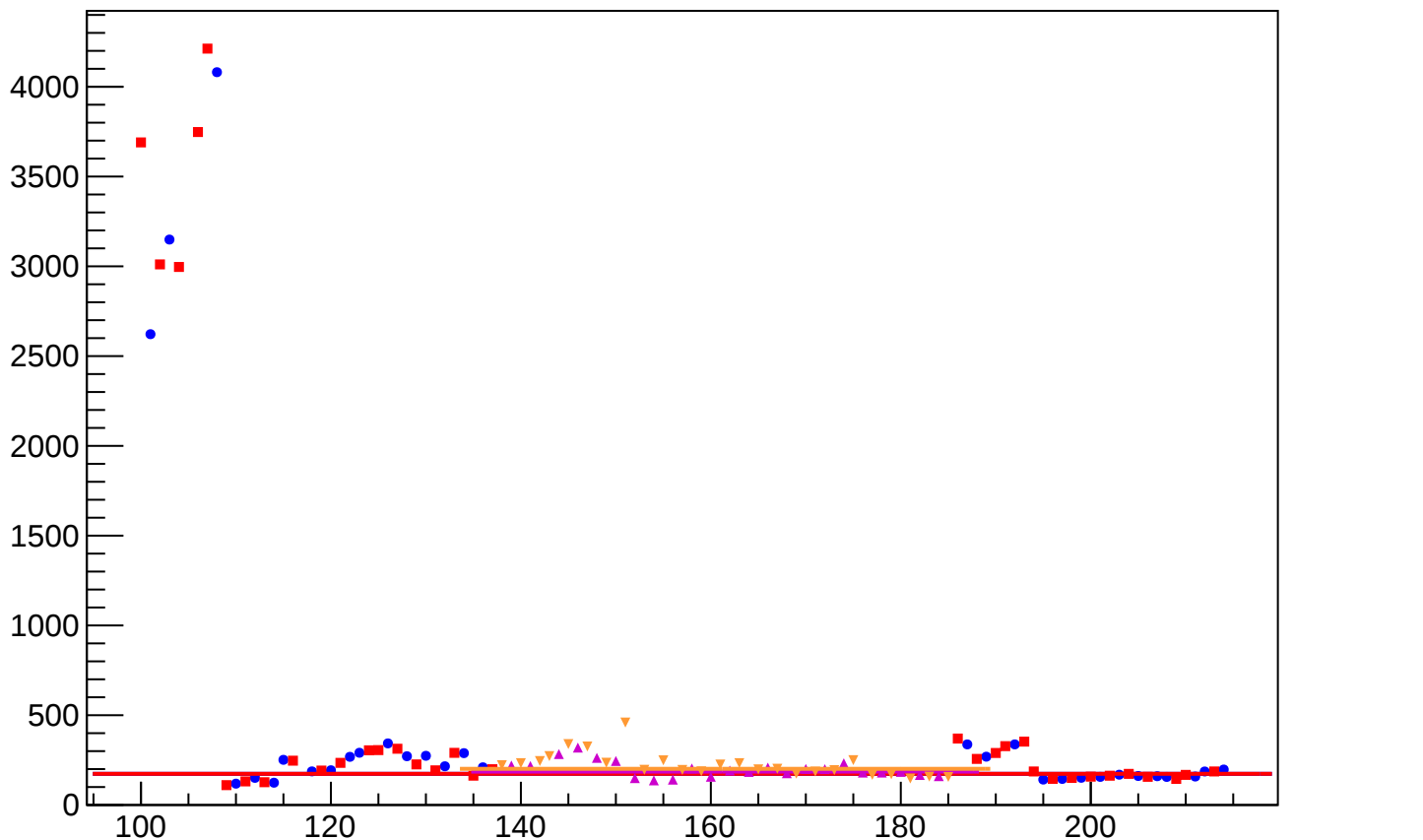
Left In: -31.477 ± 46.483 χ^2/NDF : 7.8/22

+ sign -37.091 ± 33.420 χ^2/NDF : 31.1/55

All: -11.600 ± 23.423 χ^2/NDF : 63.0/112

- sign 13.011 ± 32.838 χ^2/NDF : 30.7/56

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 173.481+/-0.032 χ^2/NDF : 4531142.9/30

Left Out: 201.503+/-0.034 χ^2/NDF : 1854905.1/24

Right Out: 173.608+/-0.033 χ^2/NDF : 5360354.9/33

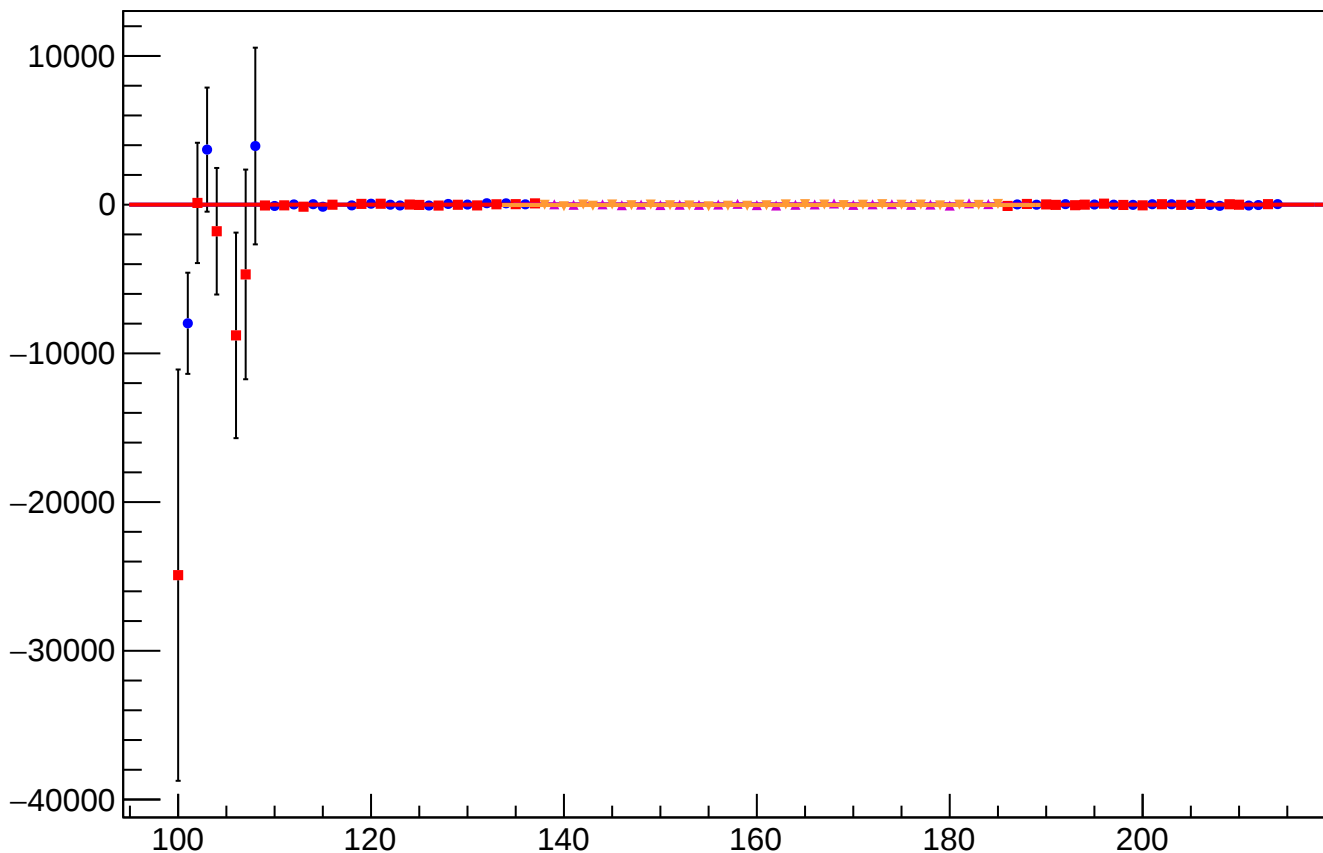
Left In: 185.878+/-0.033 χ^2/NDF : 1380877.6/22

+ sign 186.658+/-0.024 χ^2/NDF : 6736318.7/55

All: 183.134+/-0.017 χ^2/NDF : 13591067.1/11

- sign 179.732+/-0.023 χ^2/NDF : 6811041.9/56

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: -0.783 ± 8.556 χ^2/NDF : 30.4/30

Left Out: -24.144 ± 8.076 χ^2/NDF : 24.9/24

Right Out: 2.417 ± 8.556 χ^2/NDF : 35.6/33

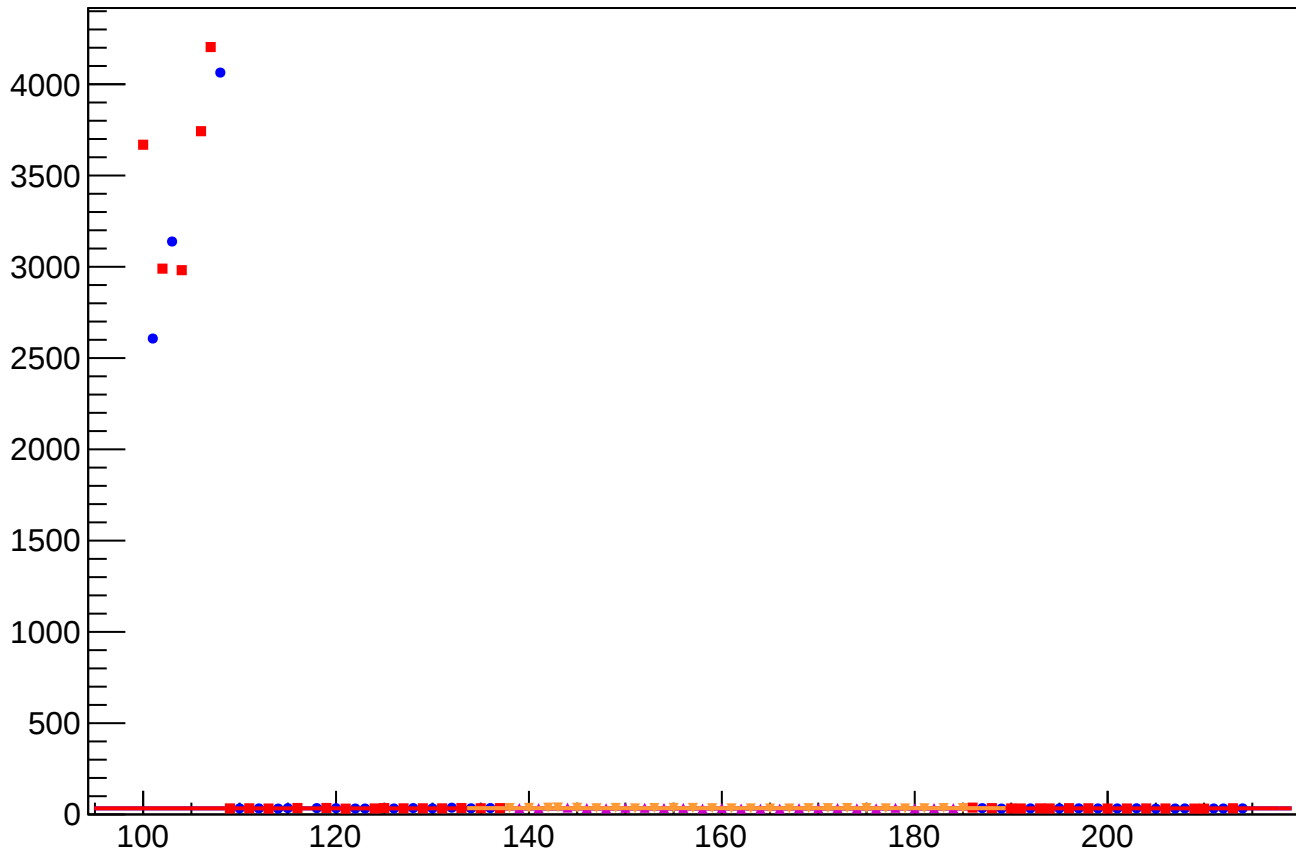
Left In: 5.924 ± 8.340 χ^2/NDF : 21.0/22

+ sign -13.137 ± 5.873 χ^2/NDF : 59.2/55

All: -4.606 ± 4.188 χ^2/NDF : 120.2/112

- sign 4.216 ± 5.972 χ^2/NDF : 56.7/56

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.380 $\pm$ 0.006 χ^2 /NDF: 3020187.4/30

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.467 $\pm$ 0.006 χ^2 /NDF: 3474183.2/33

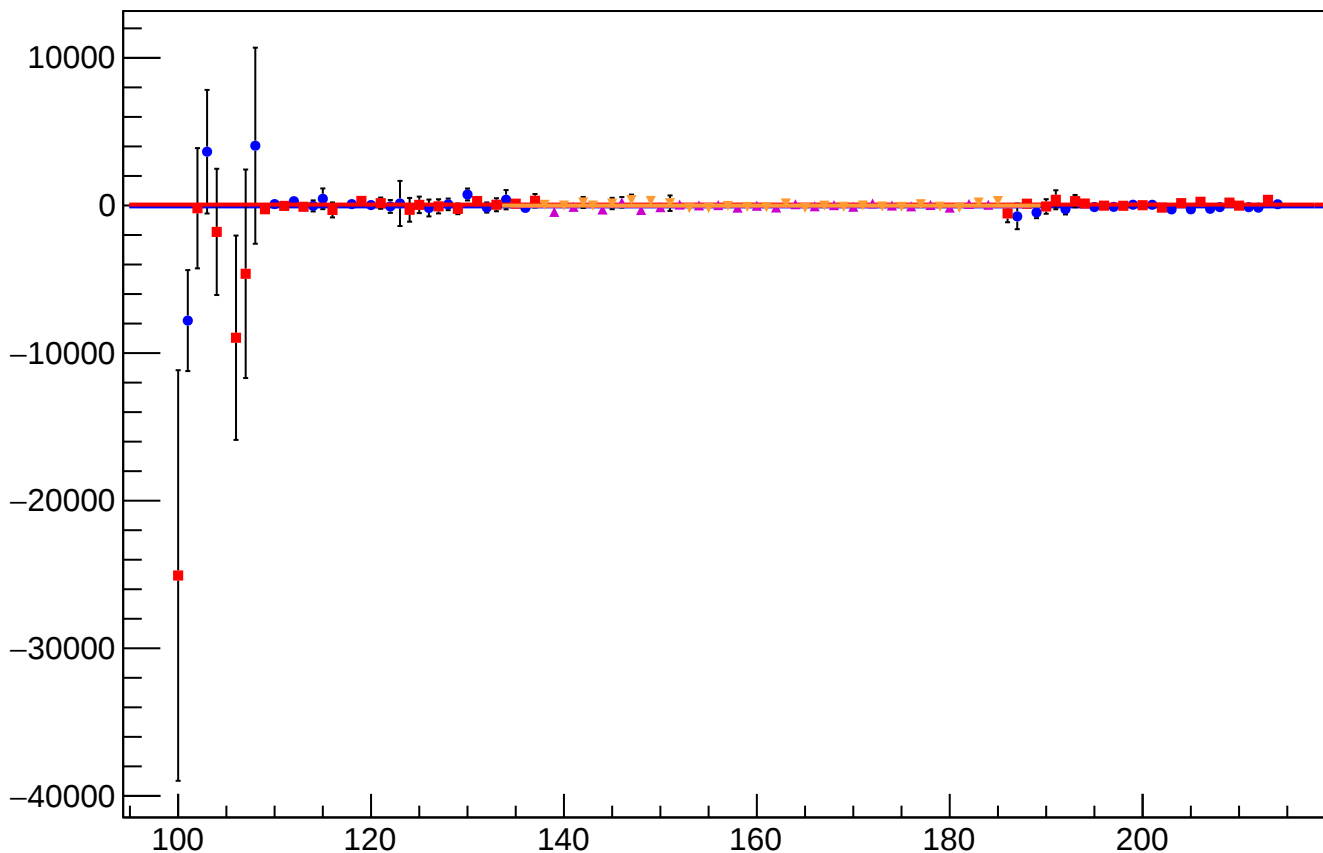
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.034 $\pm$ 0.004 χ^2 /NDF: 3100182.7/55

All: 34.062 $\pm$ 0.003 χ^2 /NDF: 6654969.0/112

- sign 34.090 $\pm$ 0.004 χ^2 /NDF: 3554698.8/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -62.526 ± 45.786 χ^2/NDF : 22.3/30

Left Out: -7.558 ± 48.662 χ^2/NDF : 8.8/24

Right Out: 61.649 ± 46.228 χ^2/NDF : 19.4/33

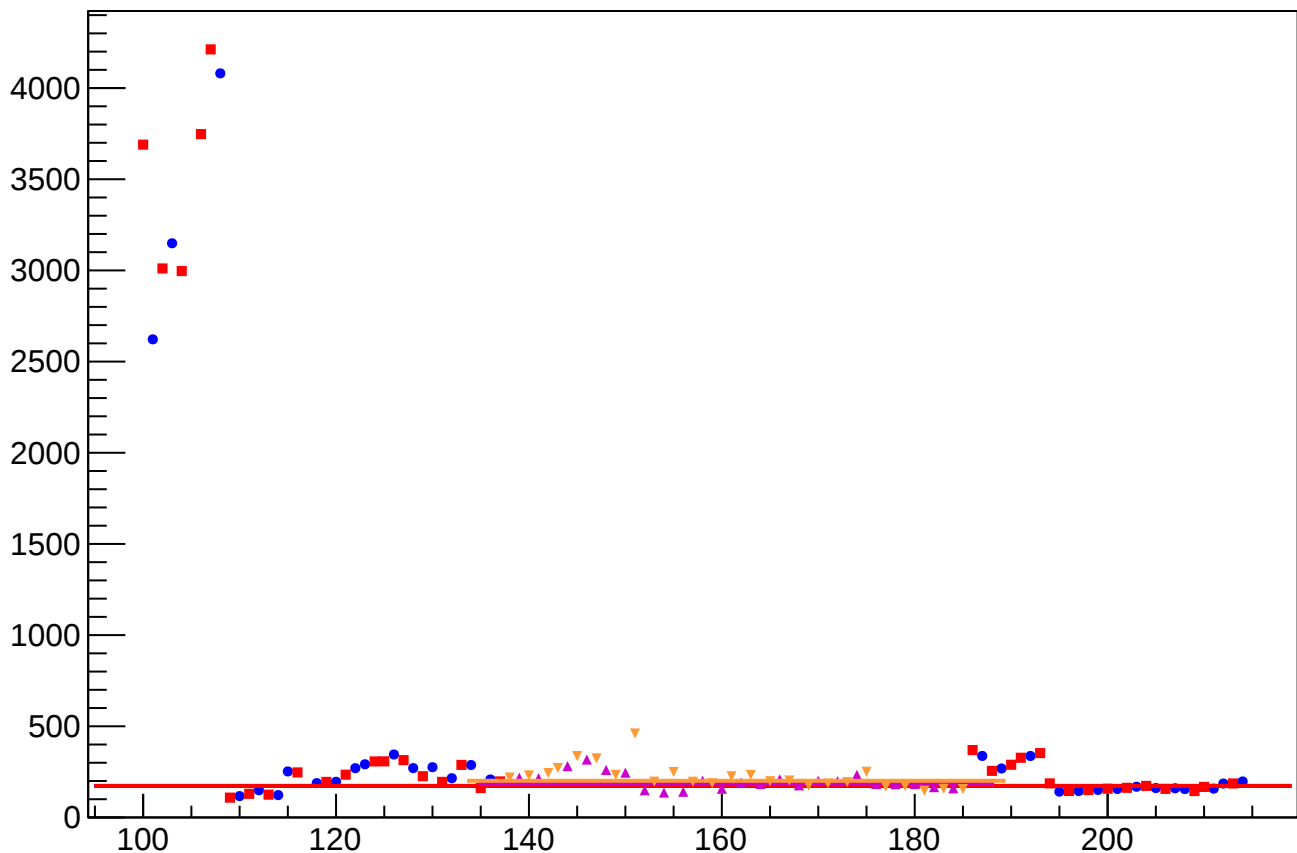
Left In: -34.977 ± 46.421 χ^2/NDF : 7.1/22

+ sign -36.714 ± 33.346 χ^2/NDF : 31.7/55

All: -11.140 ± 23.368 χ^2/NDF : 61.6/112

- sign 13.537 ± 32.756 χ^2/NDF : 28.7/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 172.905+/-0.032 χ^2/NDF : 4560485.7/30

Left Out: 201.198+/-0.034 χ^2/NDF :1848437.4/24

Right Out: 172.817+/-0.033 χ^2/NDF : 5408420.5/33

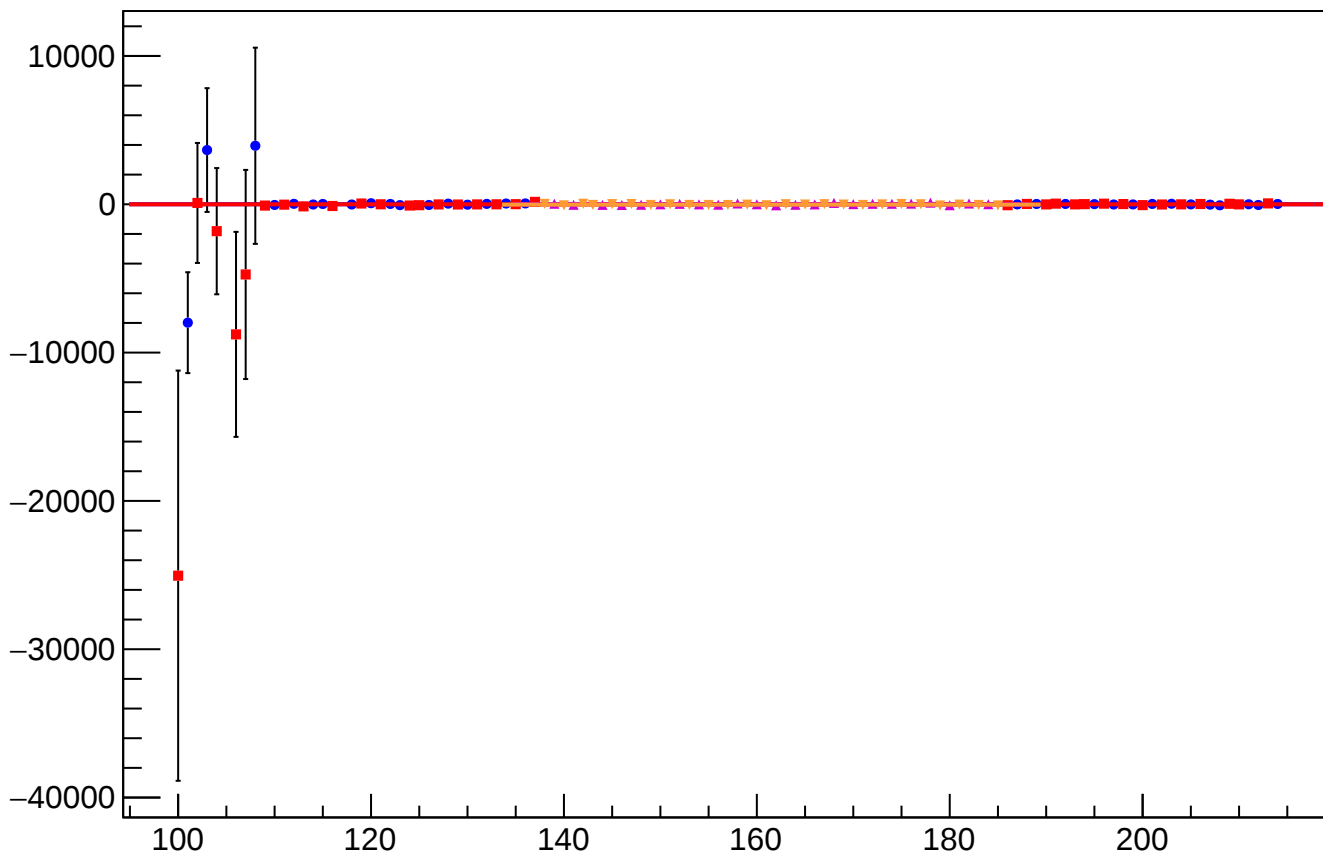
Left In: 185.627+/-0.033 χ^2/NDF :1371411.2/22

+ sign 186.191+/-0.024 χ^2/NDF : 6767553.2/55

All: 182.631+/-0.017 χ^2/NDF : 13668650.0/13

- sign 179.196+/-0.023 χ^2/NDF : 6856304.4/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.000 ± 7.743 χ^2/NDF : 24.3/30

Left Out: -23.320 ± 7.352 χ^2/NDF : 18.3/24

Right Out: -2.241 ± 7.745 χ^2/NDF : 41.5/33

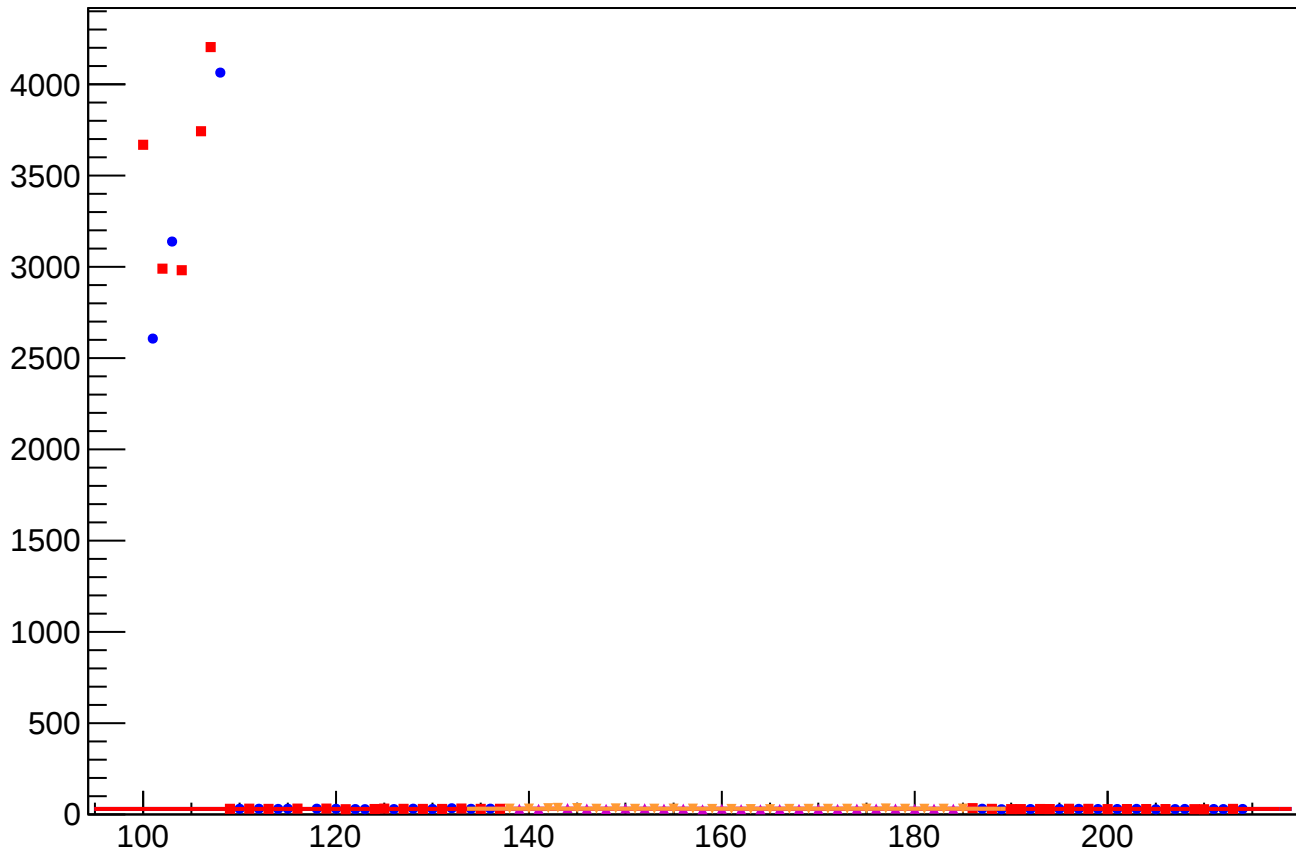
Left In: 6.386 ± 7.577 χ^2/NDF : 38.7/22

+ sign -10.843 ± 5.332 χ^2/NDF : 48.7/55

All: -4.440 ± 3.799 χ^2/NDF : 132.5/112

- sign 2.167 ± 5.416 χ^2/NDF : 80.9/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.198 $\pm$ 0.005 χ^2 /NDF: 3038428.2/30

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.268 $\pm$ 0.005 χ^2 /NDF: 3492211.6/33

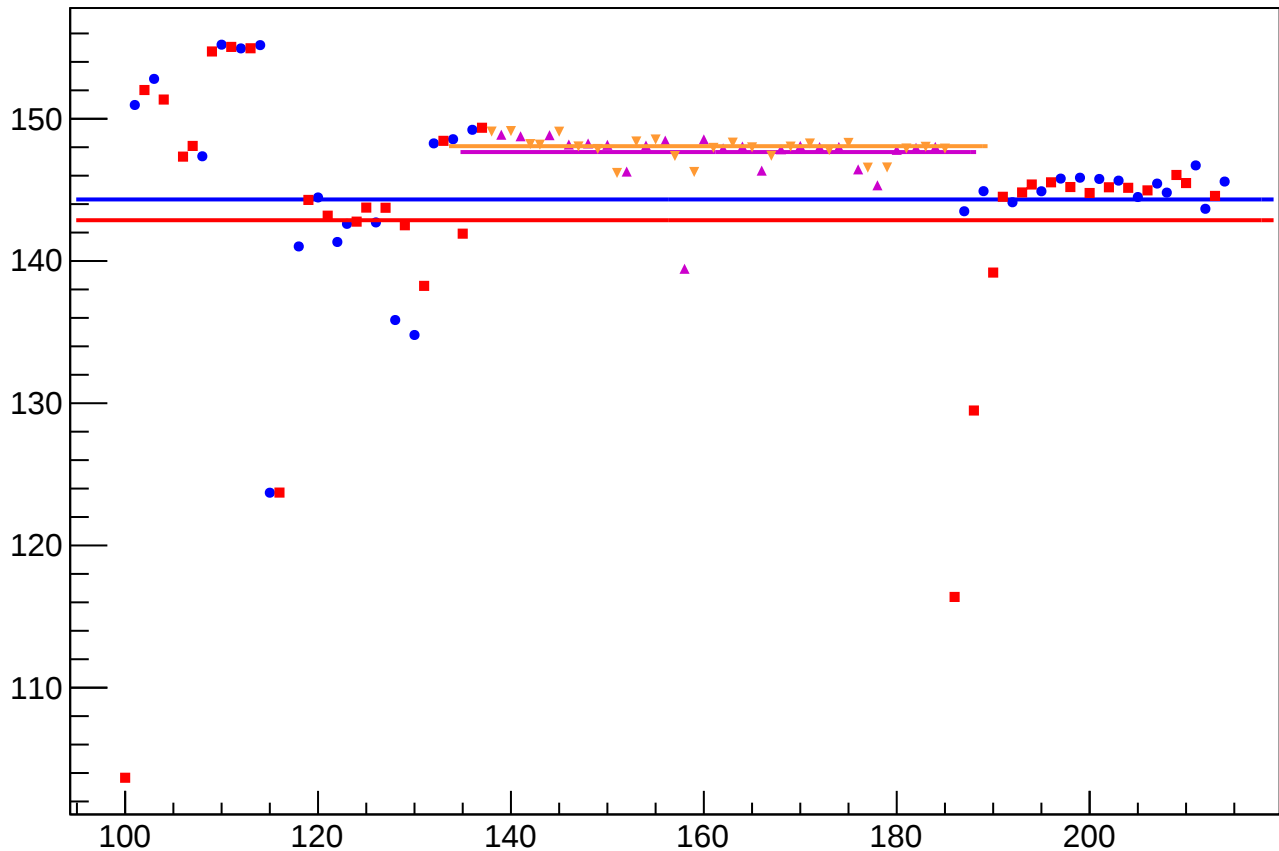
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 30.877 $\pm$ 0.004 χ^2 /NDF: 3149576.0/55

All: 30.881 $\pm$ 0.003 χ^2 /NDF: 6754424.6/112

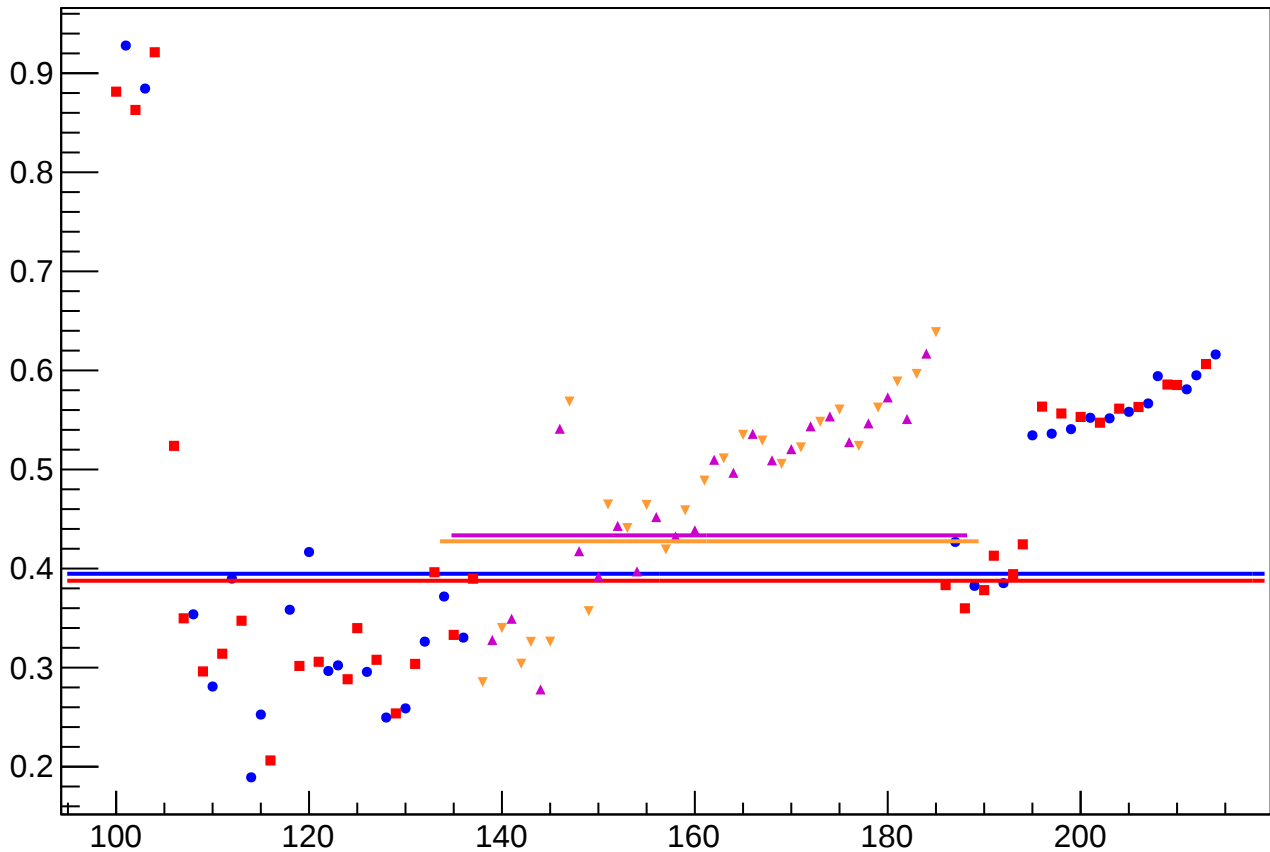
- sign 30.885 $\pm$ 0.004 χ^2 /NDF: 3604846.2/56

yield_bcm_an_ds_mean vs Slug



Right In: 144.328 $\pm$ 0.000	χ^2 /NDF: 3504179971.4/30	+ sign 146.219 $\pm$ 0.000	χ^2 /NDF: 4213111389.5/55
Left Out: 148.074 $\pm$ 0.000	χ^2 /NDF: 65673678.9/24	All: 145.655 $\pm$ 0.000	χ^2 /NDF: 13179283850.
Right Out: 142.868 $\pm$ 0.000	χ^2 /NDF: 7450633308.5/33	- sign 145.096 $\pm$ 0.000	χ^2 /NDF: 8849955511.5/56
Left In: 147.660 $\pm$ 0.000	χ^2 /NDF: 343892338.9/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.395 ± 0.000 χ^2/NDF : 3428959.3/30

Left Out: 0.428 ± 0.000 χ^2/NDF : 1892802.8/24

Right Out: 0.388 ± 0.000 χ^2/NDF : 3075457.2/33

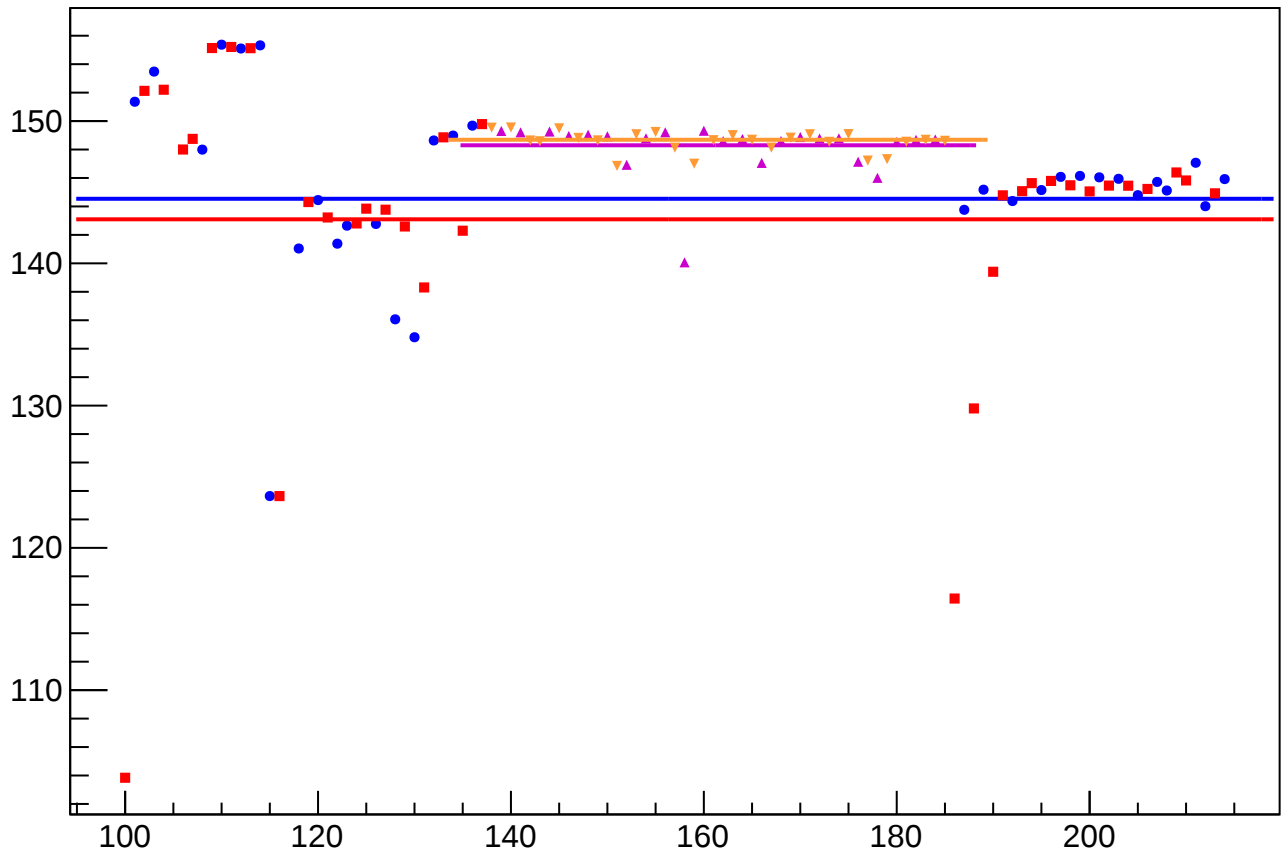
Left In: 0.434 ± 0.000 χ^2/NDF : 1479367.0/22

+ sign 0.411 ± 0.000 χ^2/NDF : 5420292.2/55

All: 0.410 ± 0.000 χ^2/NDF : 10168881.6/112

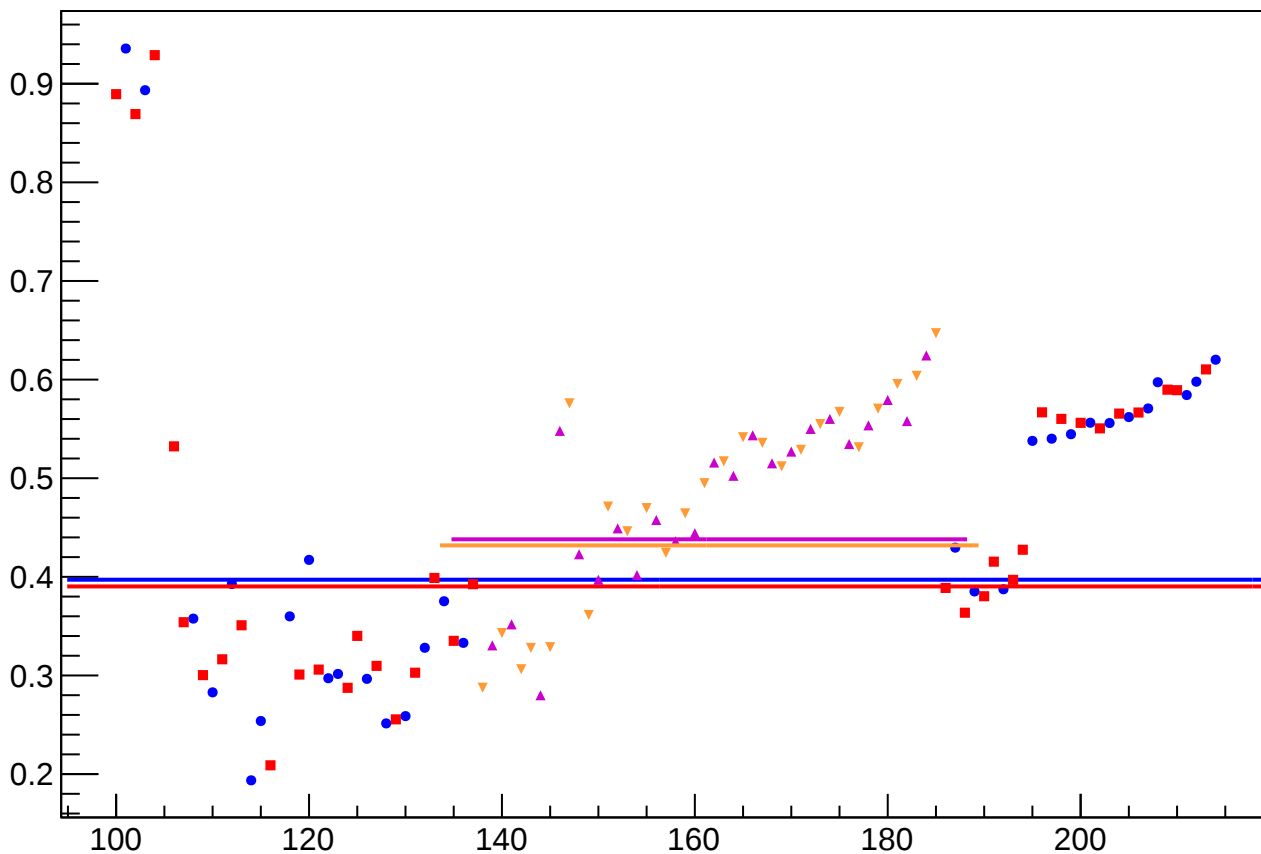
- sign 0.409 ± 0.000 χ^2/NDF : 4747620.9/56

yield_bcm_an_ds3_mean vs Slug



Right In: 144.538 $\pm$ 0.000	χ^2 /NDF: 3554701506.2/30	+ sign 146.623 $\pm$ 0.000	χ^2 /NDF: 4383291158.6/55
Left Out: 148.687 $\pm$ 0.000	χ^2 /NDF: 52285197.5/24	All: 146.061 $\pm$ 0.000	χ^2 /NDF: 13453542044.
Right Out: 143.095 $\pm$ 0.000	χ^2 /NDF: 7402313816.5/33	- sign 145.503 $\pm$ 0.000	χ^2 /NDF: 8956699275.2/56
Left In: 148.298 $\pm$ 0.000	χ^2 /NDF: 332527463.6/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.397 ± 0.000 χ^2/NDF : 3436202.1/30

Left Out: 0.432 ± 0.000 χ^2/NDF : 1924979.0/24

Right Out: 0.390 ± 0.000 χ^2/NDF : 3079538.6/33

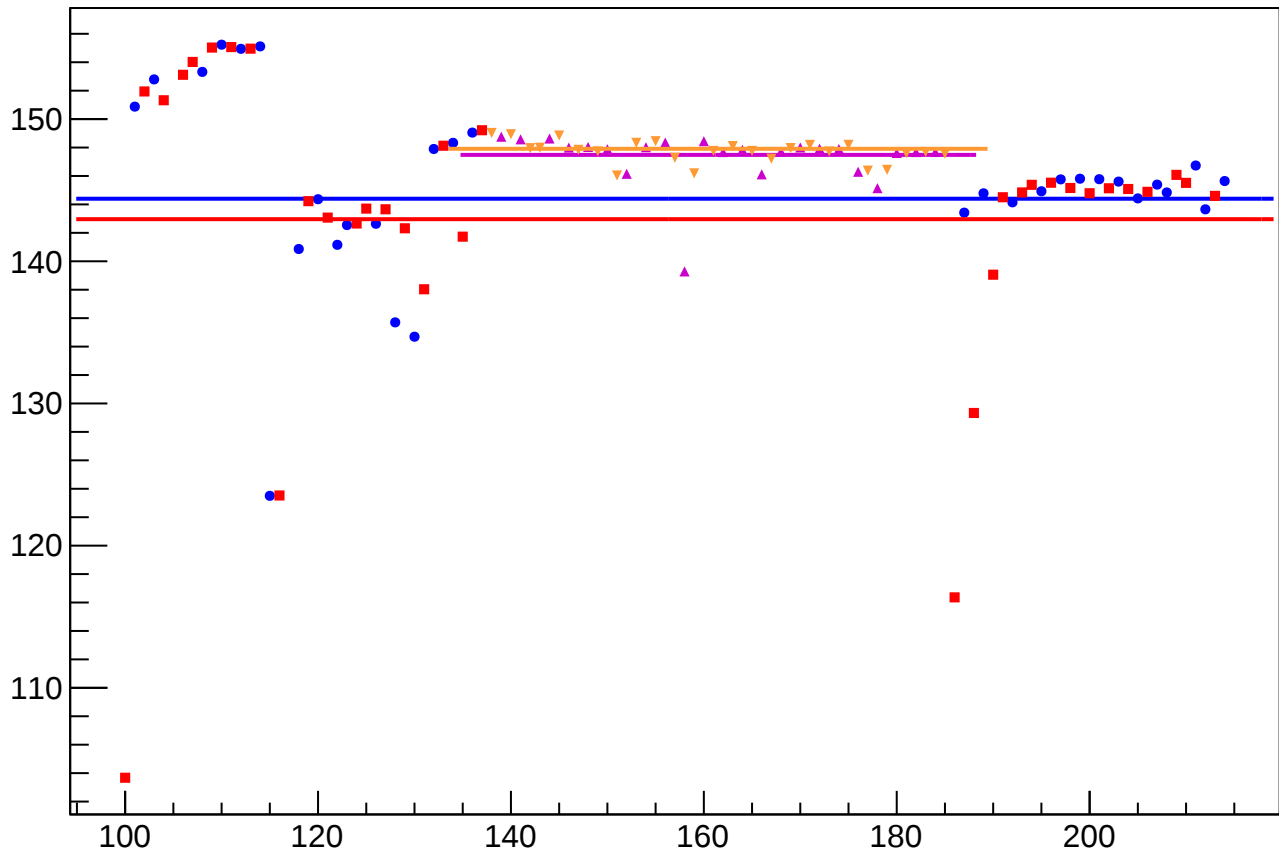
Left In: 0.438 ± 0.000 χ^2/NDF : 1504635.6/22

+ sign 0.415 ± 0.000 χ^2/NDF : 5470522.7/55

All: 0.413 ± 0.000 χ^2/NDF : 10261688.4/112

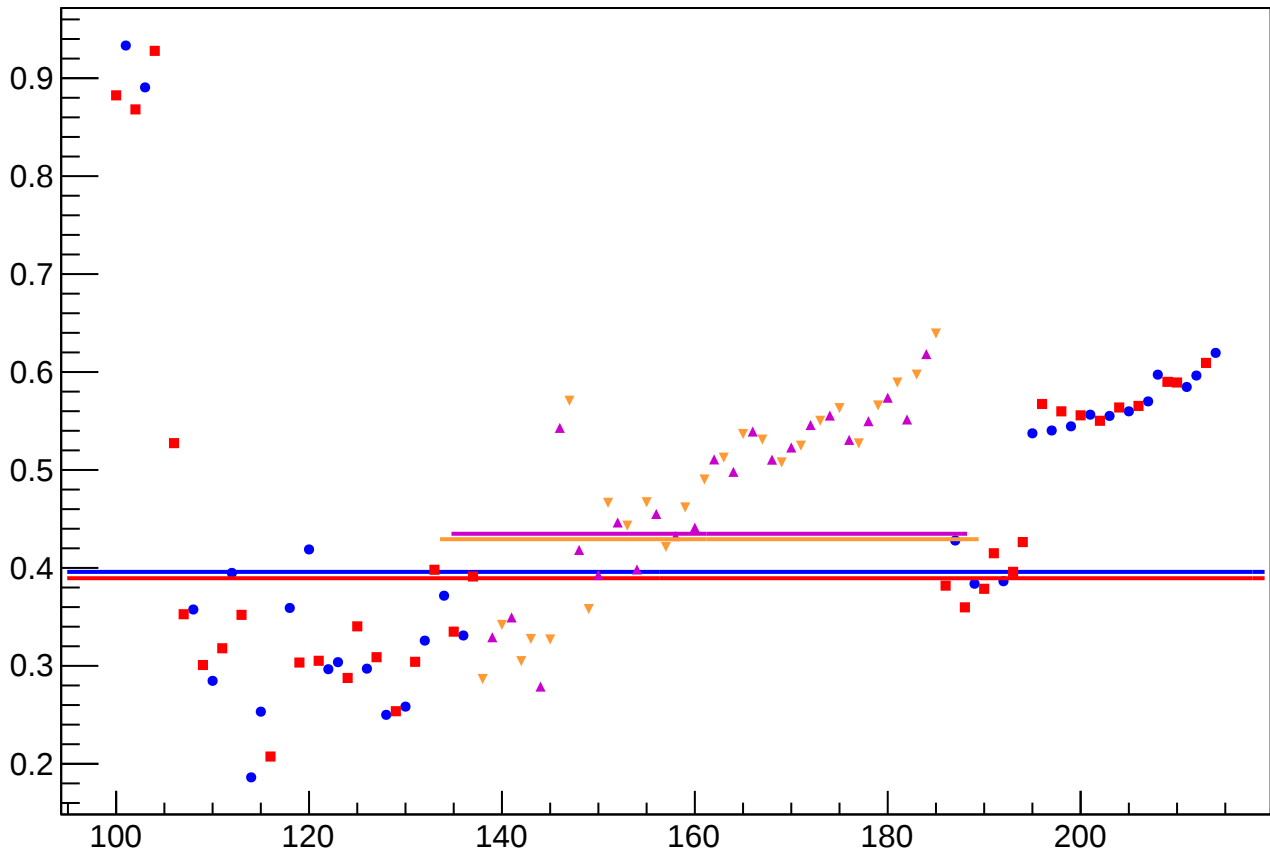
- sign 0.412 ± 0.000 χ^2/NDF : 4790283.2/56

yield_bcm_an_us_mean vs Slug



Right In: 144.400 $\pm$ 0.000	χ^2 /NDF: 3709476229.8/30	+ sign 146.173 $\pm$ 0.000	χ^2 /NDF: 4334980629.9/55
Left Out: 147.912 $\pm$ 0.000	χ^2 /NDF: 64463426.1/24	All: 145.617 $\pm$ 0.000	χ^2 /NDF: 13547126716.
Right Out: 142.961 $\pm$ 0.000	χ^2 /NDF: 7825139414.0/33	- sign 145.066 $\pm$ 0.000	χ^2 /NDF: 9100398886.3/56
Left In: 147.483 $\pm$ 0.000	χ^2 /NDF: 342674720.4/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.396 ± 0.000 χ^2/NDF : 3466614.3/30

Left Out: 0.429 ± 0.000 χ^2/NDF : 1891709.3/24

Right Out: 0.389 ± 0.000 χ^2/NDF : 3083336.0/33

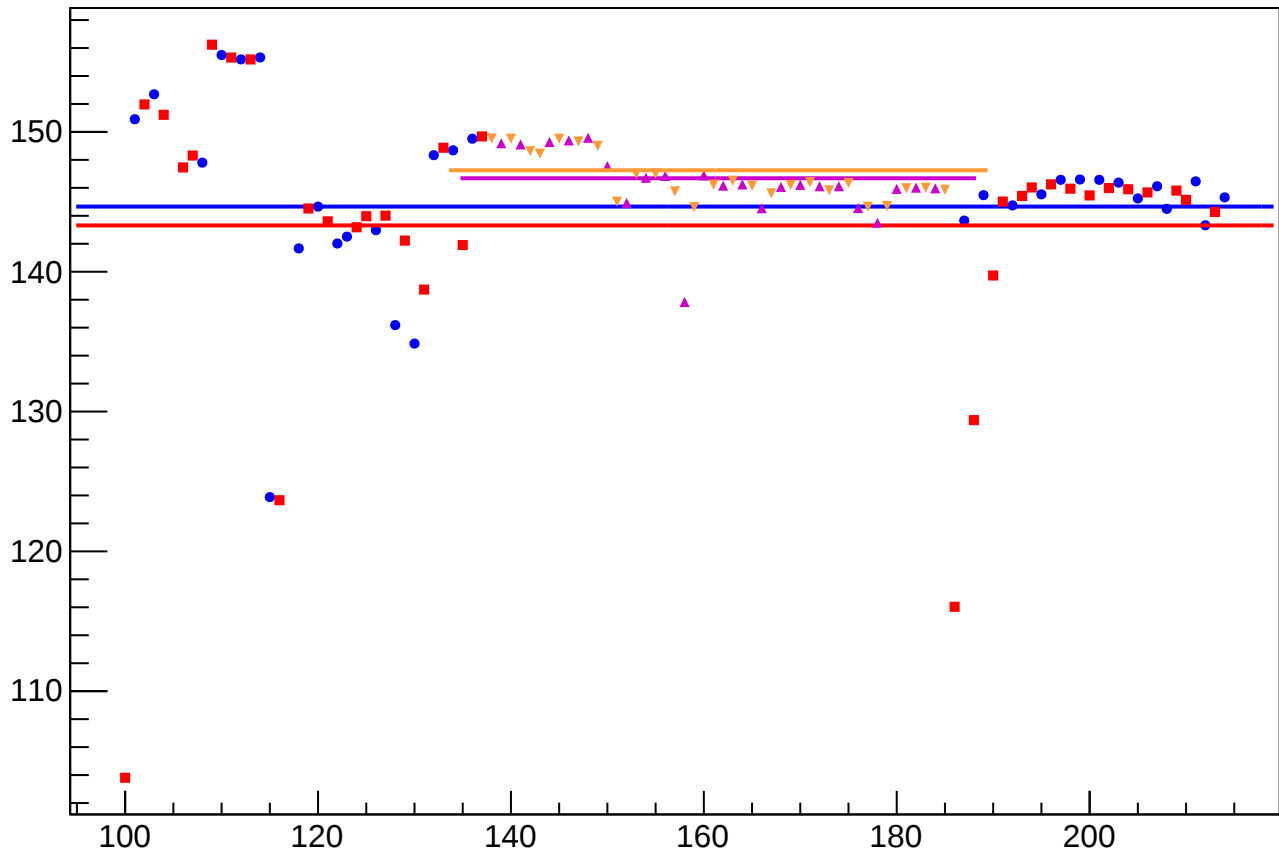
Left In: 0.435 ± 0.000 χ^2/NDF : 1485915.1/22

+ sign 0.413 ± 0.000 χ^2/NDF : 5459564.8/55

All: 0.412 ± 0.000 χ^2/NDF : 10217694.3/112

- sign 0.411 ± 0.000 χ^2/NDF : 4757267.7/56

yield_bcm_dg_us_mean vs Slug



Right In: 144.661 $\pm$ 0.000 χ^2 /NDF: 3230285435.2/30

Left Out: 147.257 $\pm$ 0.000 χ^2 /NDF: 261906278.3/24

Right Out: 143.311 $\pm$ 0.000 χ^2 /NDF: 7143733487.8/33

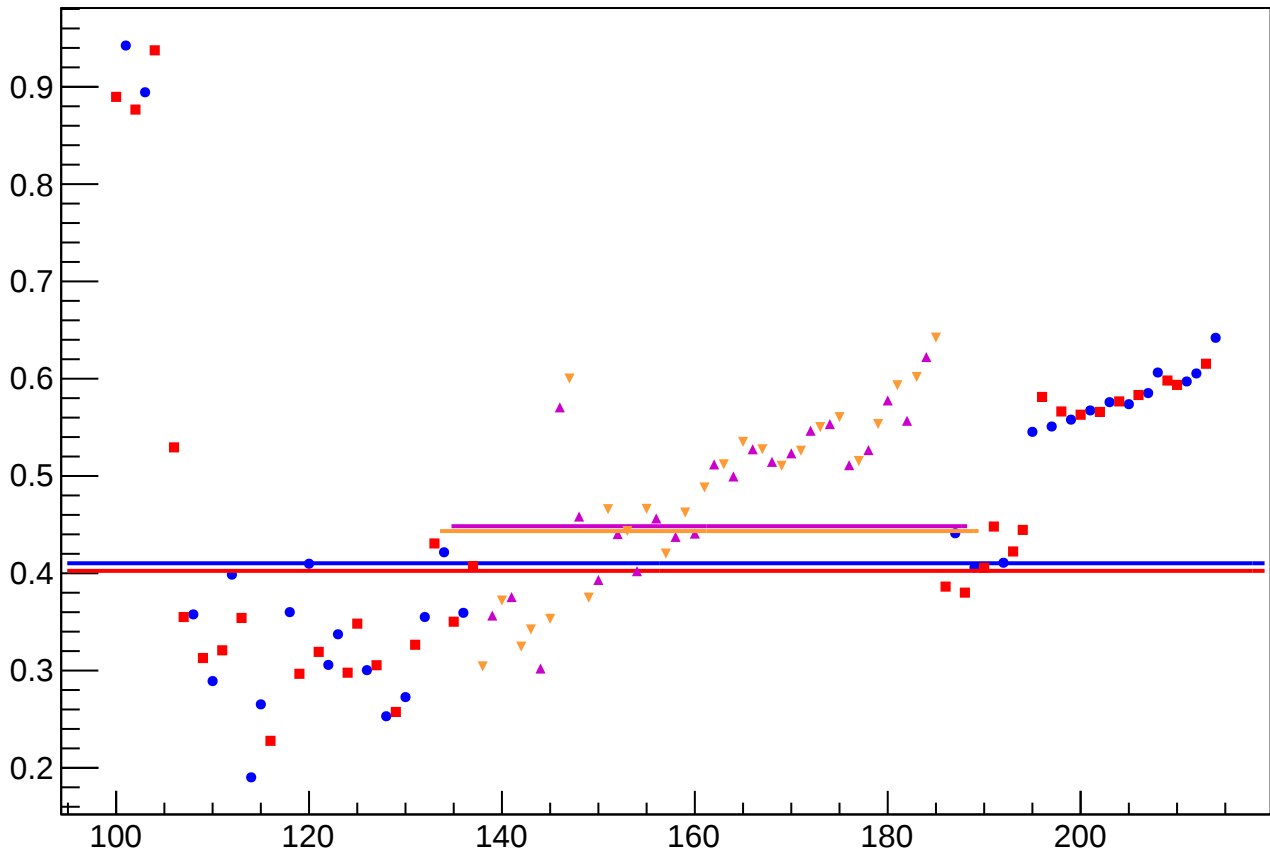
Left In: 146.685 $\pm$ 0.000 χ^2 /NDF: 554922388.0/22

+ sign 145.982 $\pm$ 0.000 χ^2 /NDF: 3780166780.3/55

All: 145.435 $\pm$ 0.000 χ^2 /NDF: 12069989180.

- sign 144.894 $\pm$ 0.000 χ^2 /NDF: 8188288197.4/56

yield_bcm_dg_us_rms vs Slug



Right In: 0.410 $\pm$ 0.000 χ^2 /NDF: 3360509.1/30

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.402 $\pm$ 0.000 χ^2 /NDF: 2975695.8/33

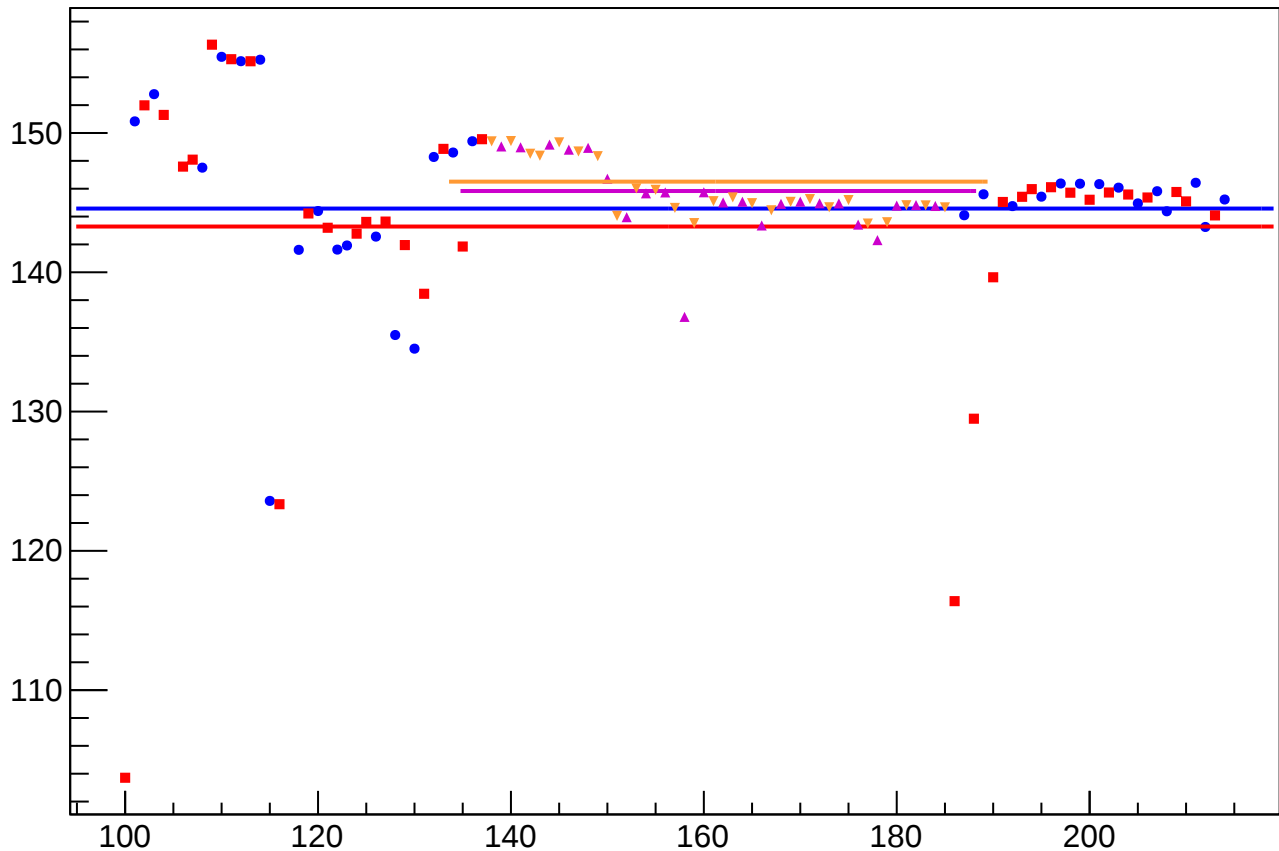
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.427 $\pm$ 0.000 χ^2 /NDF: 4934557.3/55

All: 0.426 $\pm$ 0.000 χ^2 /NDF: 9213488.7/112

- sign 0.424 $\pm$ 0.000 χ^2 /NDF: 4277278.8/56

yield_bcm_dg_ds_mean vs Slug



Right In: 144.575 $\pm$ 0.000 χ^2 /NDF: 3340106300.9/30

Left Out: 146.508 $\pm$ 0.000 χ^2 /NDF: 401248837.9/24

Right Out: 143.285 $\pm$ 0.000 χ^2 /NDF: 7096224142.5/33

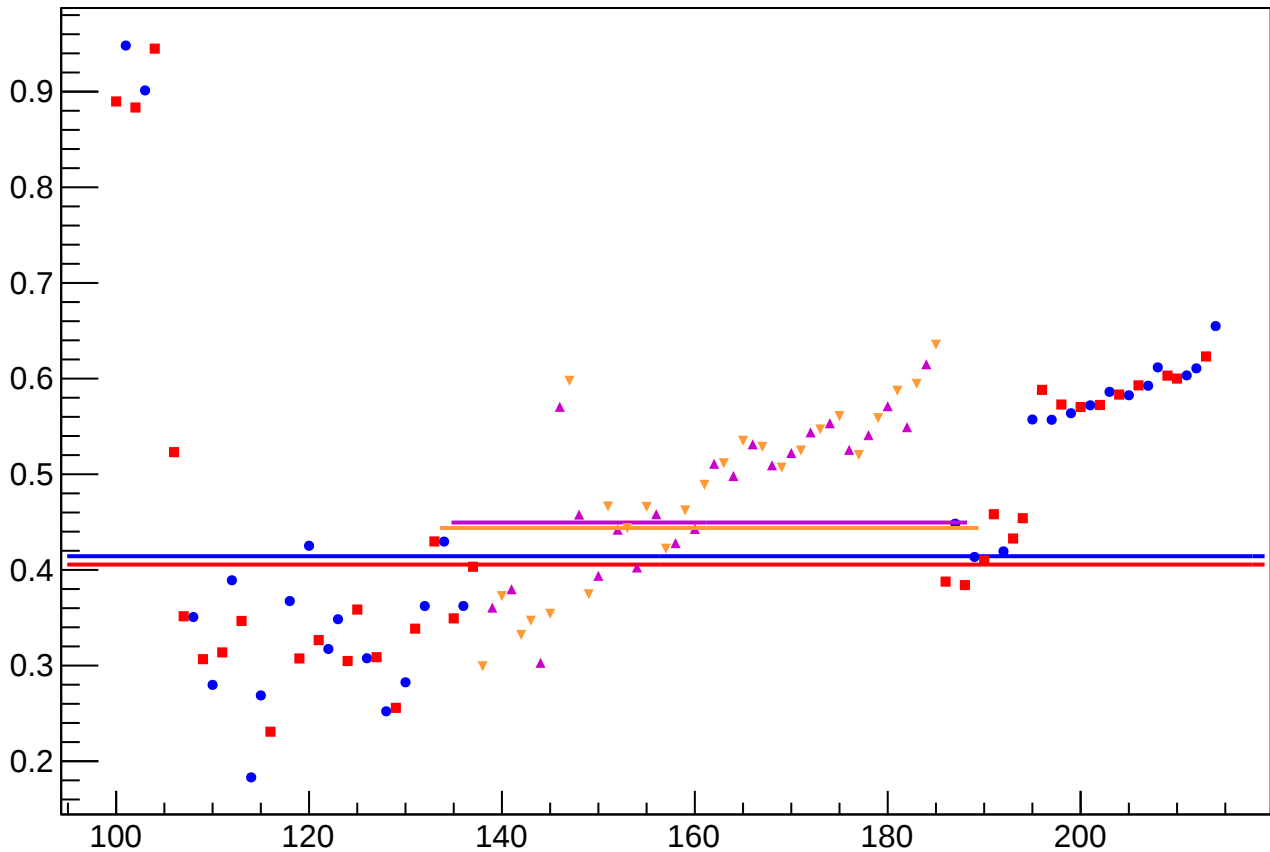
Left In: 145.834 $\pm$ 0.000 χ^2 /NDF: 690172810.0/22

+ sign 145.569 $\pm$ 0.000 χ^2 /NDF: 3898897013.7/55

All: 145.026 $\pm$ 0.000 χ^2 /NDF: 12060514078.

- sign 144.490 $\pm$ 0.000 χ^2 /NDF: 8062851499.3/56

yield_bcm_dg_ds_rms vs Slug



Right In: 0.414 $\pm$ 0.000 χ^2 /NDF: 3415551.2/30

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1460383.7/24

Right Out: 0.406 $\pm$ 0.000 χ^2 /NDF: 3013430.7/33

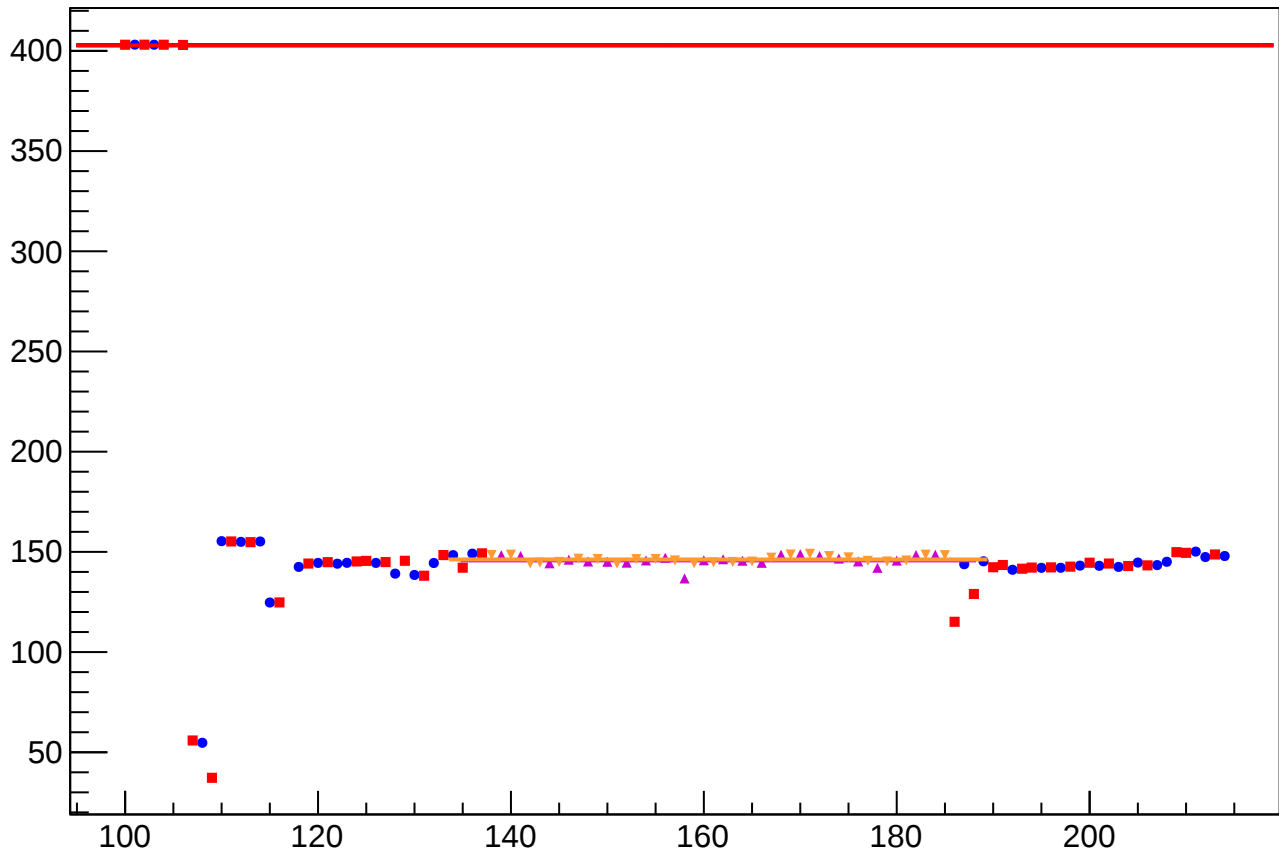
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1092776.5/22

+ sign 0.429 $\pm$ 0.000 χ^2 /NDF: 4949275.6/55

All: 0.428 $\pm$ 0.000 χ^2 /NDF: 9221456.6/112

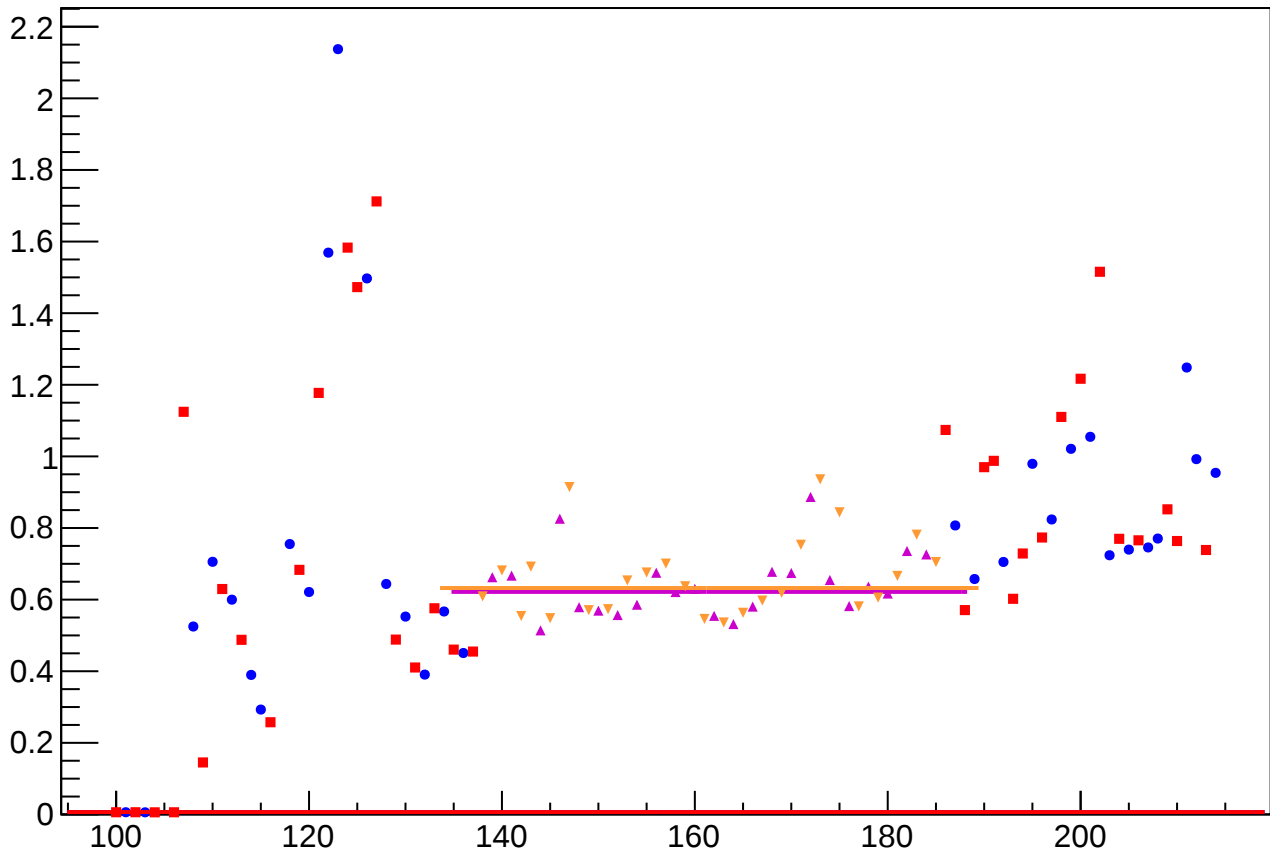
- sign 0.426 $\pm$ 0.000 χ^2 /NDF: 4270536.3/56

yield_cav4bQ_mean vs Slug



Right In: 402.863 $\pm$ 0.000 χ^2 /NDF: 1860003320131.7/30
 Left Out: 146.216 $\pm$ 0.000 χ^2 /NDF: 86042286.3/24
 Right Out: 402.694 $\pm$ 0.000 χ^2 /NDF: 4066066385367.7/33
 Left In: 145.755 $\pm$ 0.000 χ^2 /NDF: 206171532.0/22
 All: 402.499 $\pm$ 0.000 χ^2 /NDF: 106137178356
 + sign 402.568 $\pm$ 0.000 χ^2 /NDF: 4219559074218.8
 - sign 402.438 $\pm$ 0.000 χ^2 /NDF: 6393878126339.3/

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 24908258.3/30

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 26285318.2/33

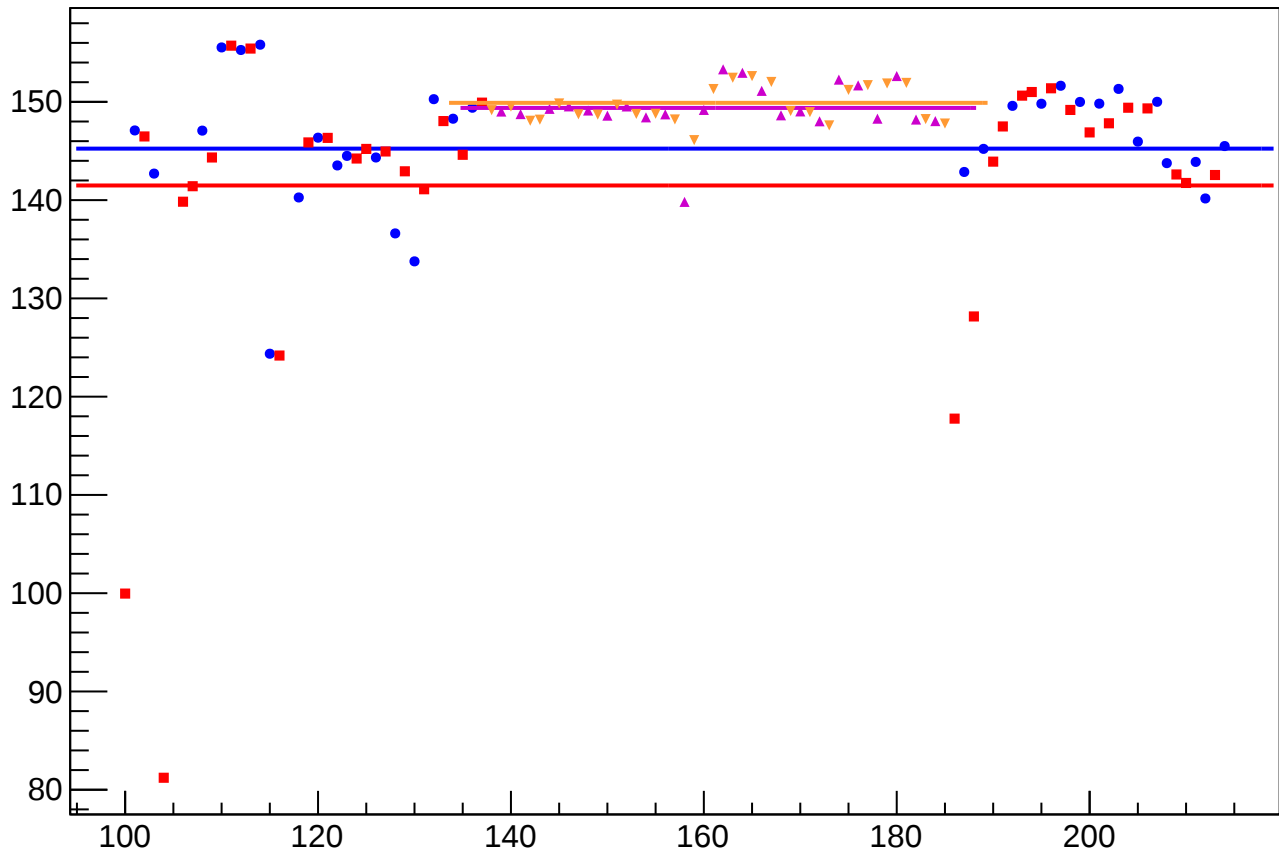
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 53576385.1/55

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 106930184.7/112

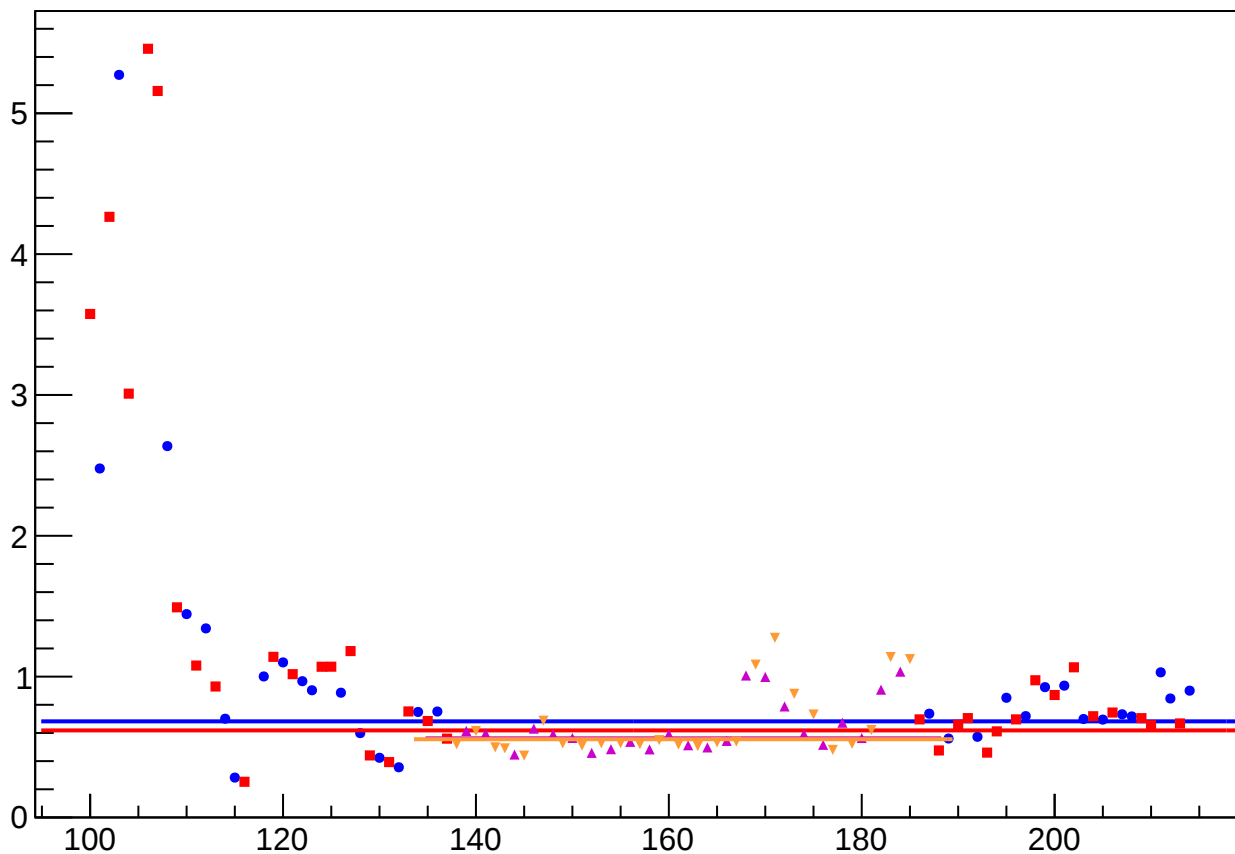
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 53353378.8/56

yield_cav4cQ_mean vs Slug



Right In: 145.241+/-0.000	χ^2/NDF : 1359796630.3/30	+ sign 148.367+/-0.000	χ^2/NDF : 1885070293.6/55
Left Out: 149.900+/-0.000	χ^2/NDF : 162845622.6/24	All: 147.298+/-0.000	χ^2/NDF : 6904706702.7
Right Out: 141.490+/-0.000	χ^2/NDF : 3251361999.8/33	- sign 146.263+/-0.000	χ^2/NDF : 4849531206.7/56
Left In: 149.382+/-0.000	χ^2/NDF : 434657827.5/22		

yield_cav4cQ_rms vs Slug



Right In: 0.682 ± 0.000 χ^2/NDF : 4307220.5/30

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773688.1/24

Right Out: 0.618 ± 0.000 χ^2/NDF : 5581444.6/33

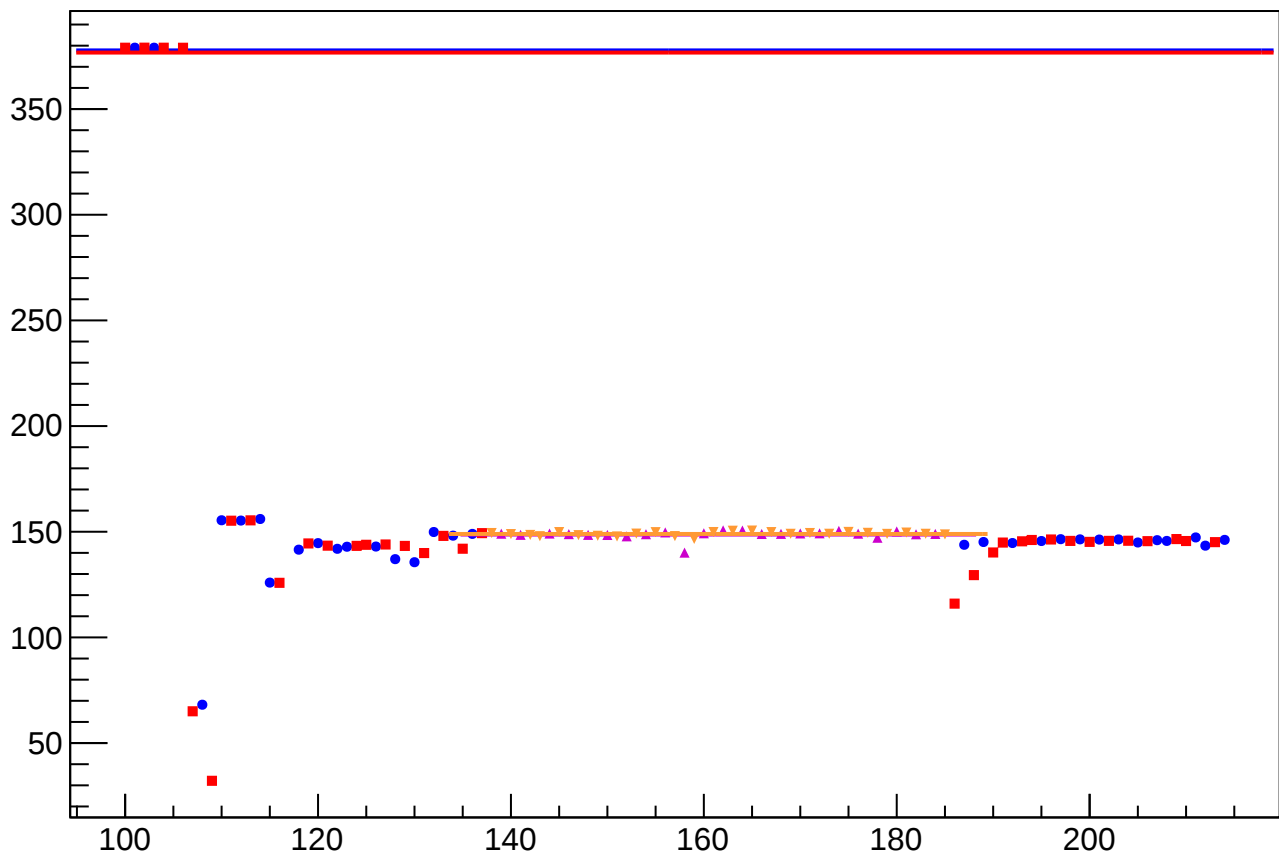
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.597 ± 0.000 χ^2/NDF : 6618931.8/55

All: 0.591 ± 0.000 χ^2/NDF : 13638021.2/112

- sign 0.584 ± 0.000 χ^2/NDF : 7005662.5/56

yield_cav4dQ_mean vs Slug



Right In: 377.756 $\pm$ 0.000 χ^2 /NDF: 4140022543180.5/30

Left Out: 148.944 $\pm$ 0.000 χ^2 /NDF: 63976941.3/24

Right Out: 376.741 $\pm$ 0.000 χ^2 /NDF: 10241789201187.7/33

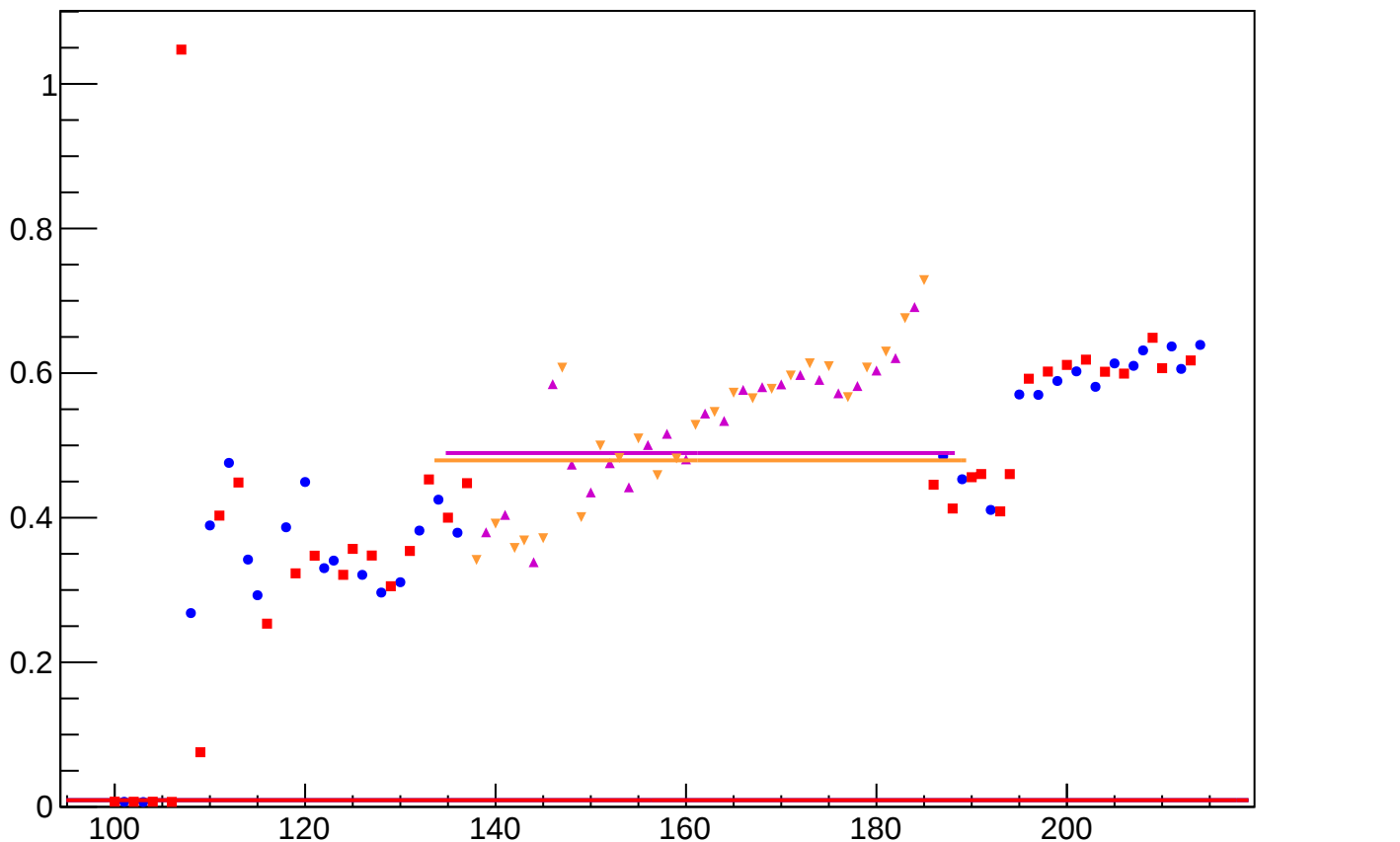
Left In: 148.672 $\pm$ 0.000 χ^2 /NDF: 252846428.3/22

+ sign 376.482 $\pm$ 0.000 χ^2 /NDF: 8029342740892.0

All: 376.077 $\pm$ 0.000 χ^2 /NDF: 218172769384

- sign 375.721 $\pm$ 0.000 χ^2 /NDF: 13783792705478.5

yield_cav4dQ_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 28531590.3/30

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1516566.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 28685781.0/33

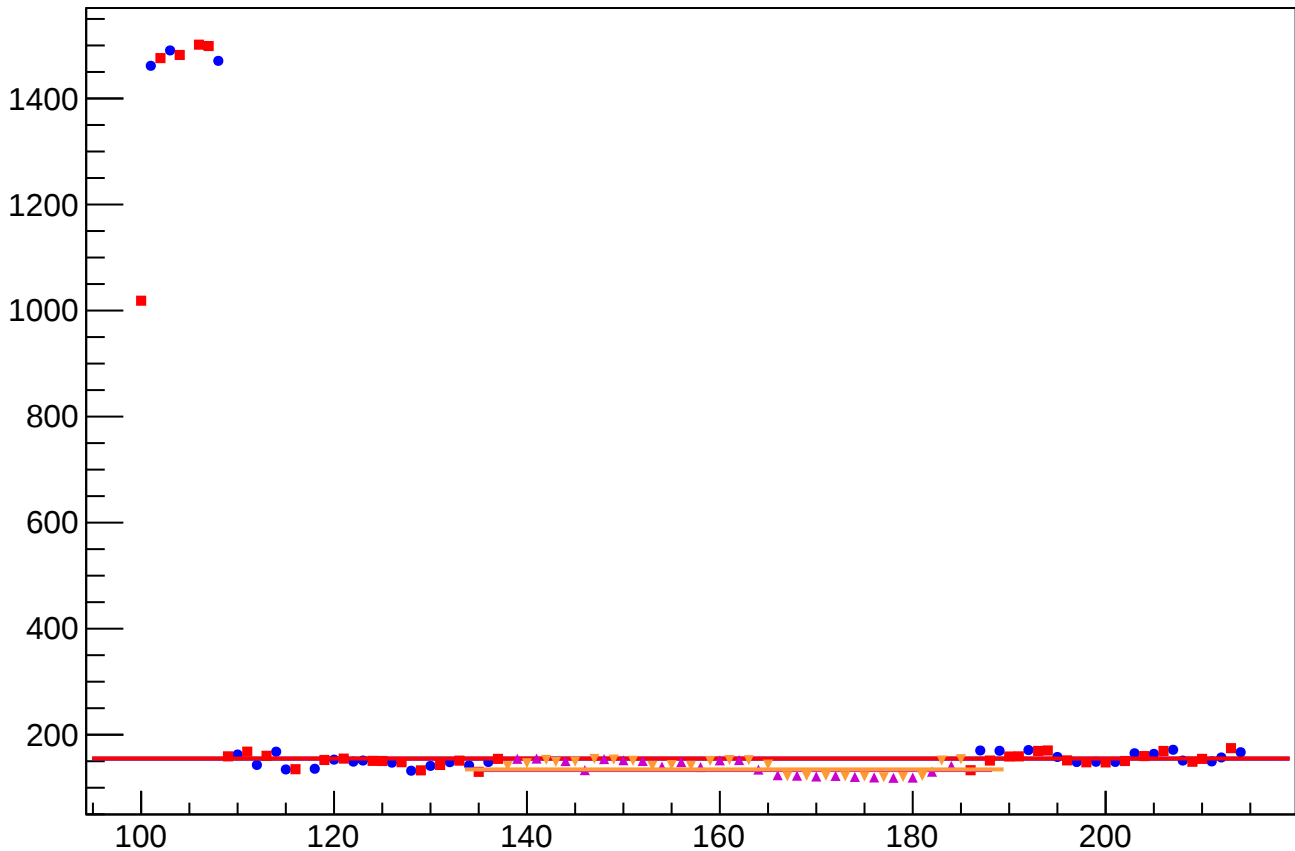
Left In: 0.489 $\pm$ 0.000 χ^2 /NDF:1076134.2/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 62858322.7/55

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 124016611.3/112

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 61154677.6/56

yield_bcm0l02_mean vs Slug



Right In: 154.920+/-0.000 χ^2/NDF : 26055166418.9/30

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 155.075+/-0.000 χ^2/NDF : 35199601014.2/33

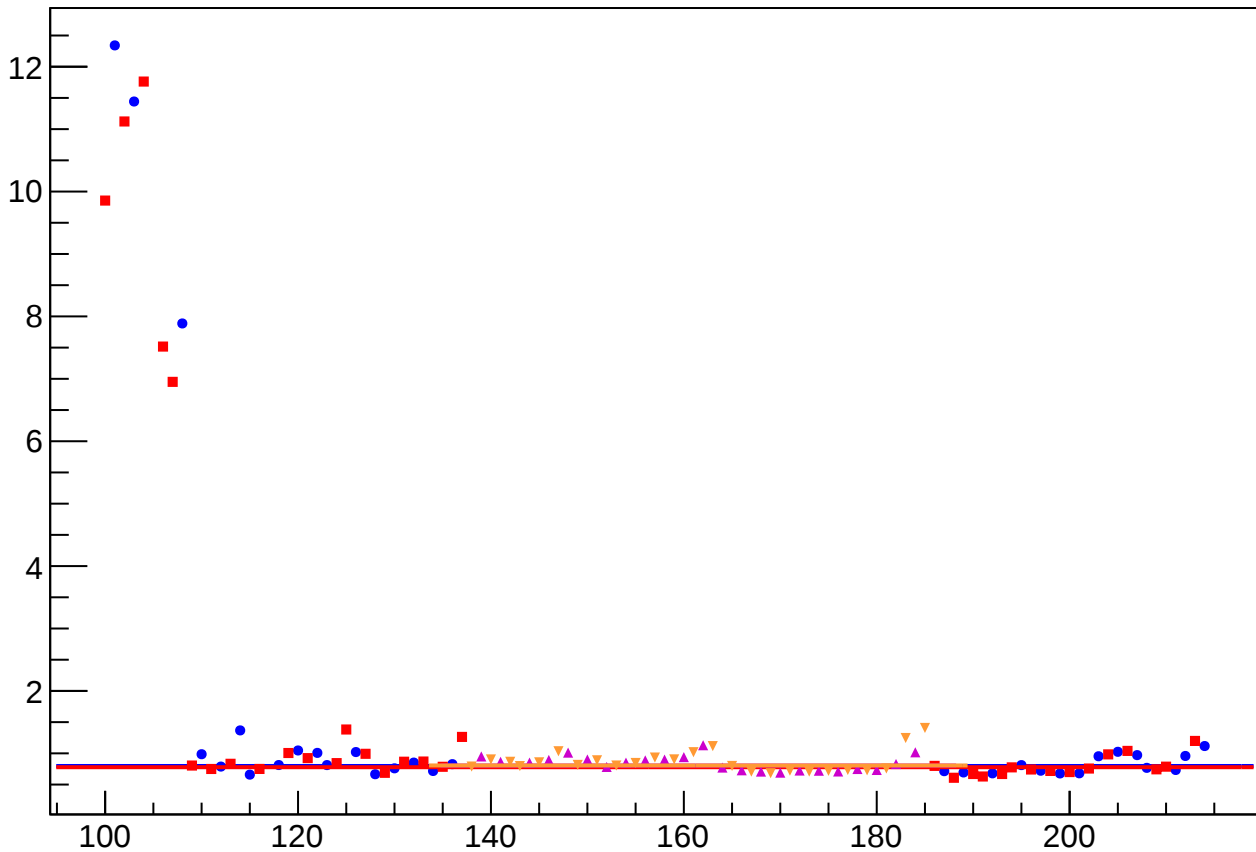
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 143.695+/-0.000 χ^2/NDF : 34846731238.0/55

All: 143.724+/-0.000 χ^2/NDF : 79499034946.0

- sign 143.753+/-0.000 χ^2/NDF : 44652230332.6/56

yield_bcm0l02_rms vs Slug



Right In: 0.798 $\pm$ 0.000 χ^2 /NDF: 3156562.9/30

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF:690578.5/24

Right Out: 0.778 $\pm$ 0.000 χ^2 /NDF: 3445620.8/33

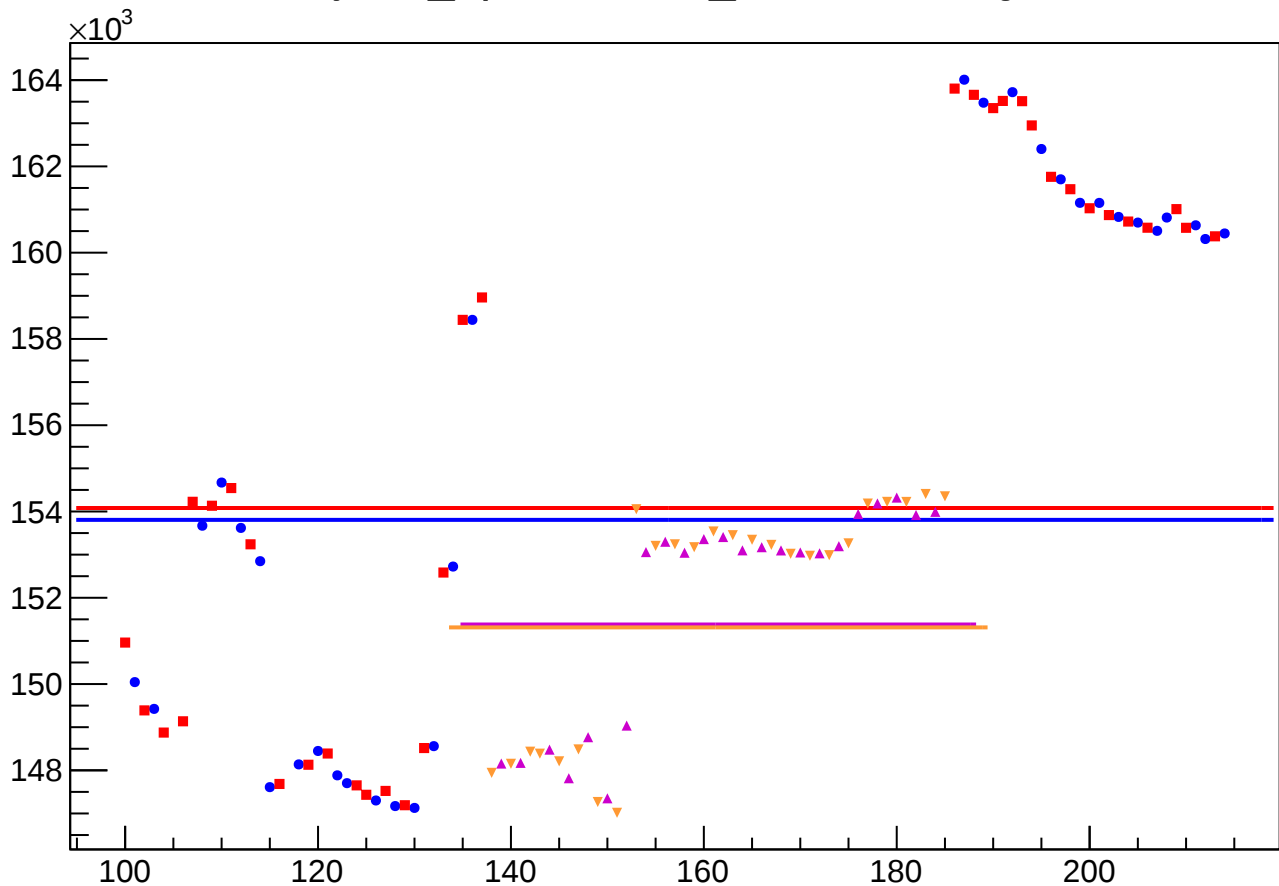
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF:480510.8/22

+ sign 0.802 $\pm$ 0.000 χ^2 /NDF: 3848703.9/55

All: 0.797 $\pm$ 0.000 χ^2 /NDF: 7795245.3/112

- sign 0.792 $\pm$ 0.000 χ^2 /NDF: 3941872.5/56

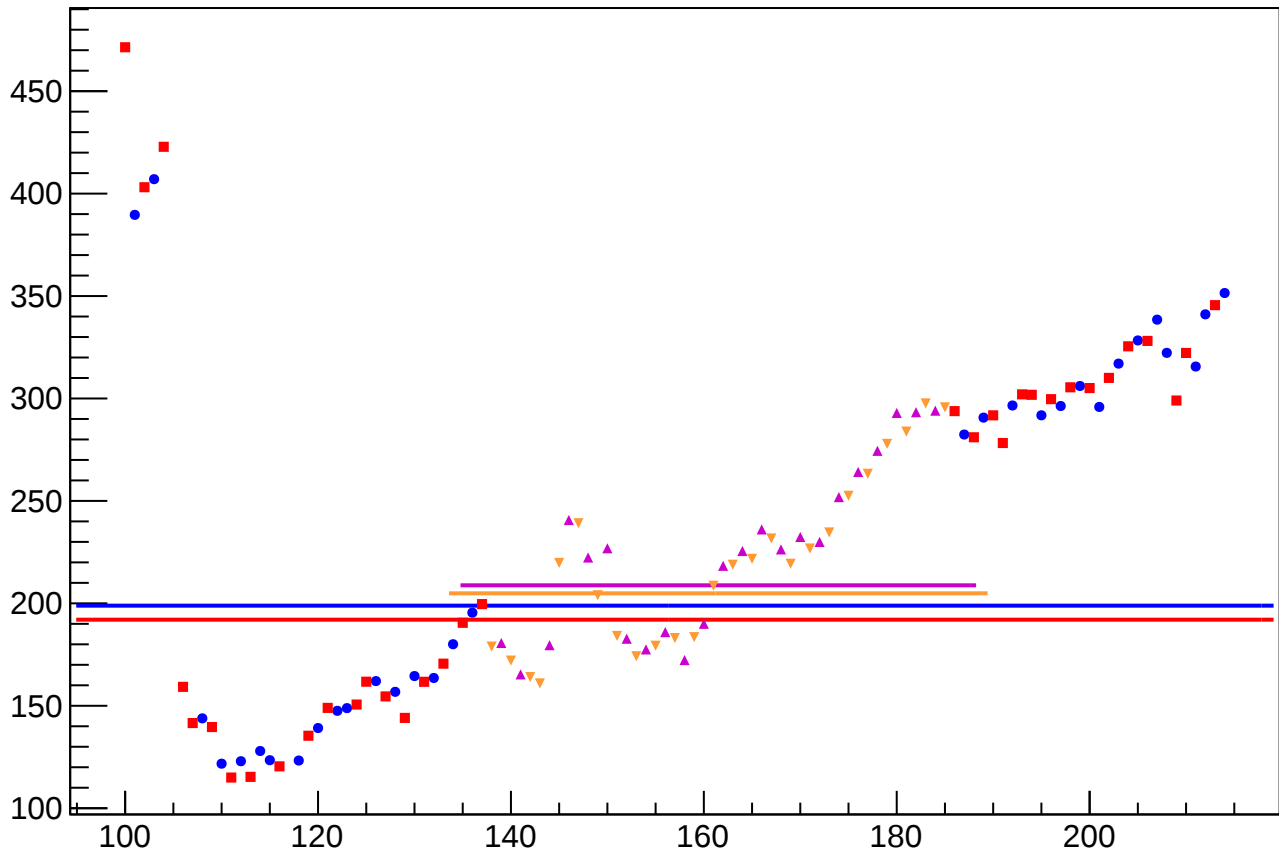
yield_bpm0i01WS_mean vs Slug



Right In: 153805.963 $\pm$ 0.053 χ^2 /NDF: 11918368031.0/30
 Left Out: 151313.284 $\pm$ 0.049 χ^2 /NDF: 3153768134.8/24
 Right Out: 154081.066 $\pm$ 0.051 χ^2 /NDF: 12539831057.2/33
 Left In: 151380.236 $\pm$ 0.051 χ^2 /NDF: 2363895785.3/22

+ sign 152449.051 $\pm$ 0.036 χ^2 /NDF: 16266623786.
 All: 152594.938 $\pm$ 0.025 χ^2 /NDF: 326069000
 - sign 152741.854 $\pm$ 0.036 χ^2 /NDF: 16307168931.8

yield_bpm0i01WS_rms vs Slug



Right In: 198.877 $\pm$ 0.038 χ^2 /NDF: 4906760.6/30

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 192.028 $\pm$ 0.036 χ^2 /NDF: 5128143.7/33

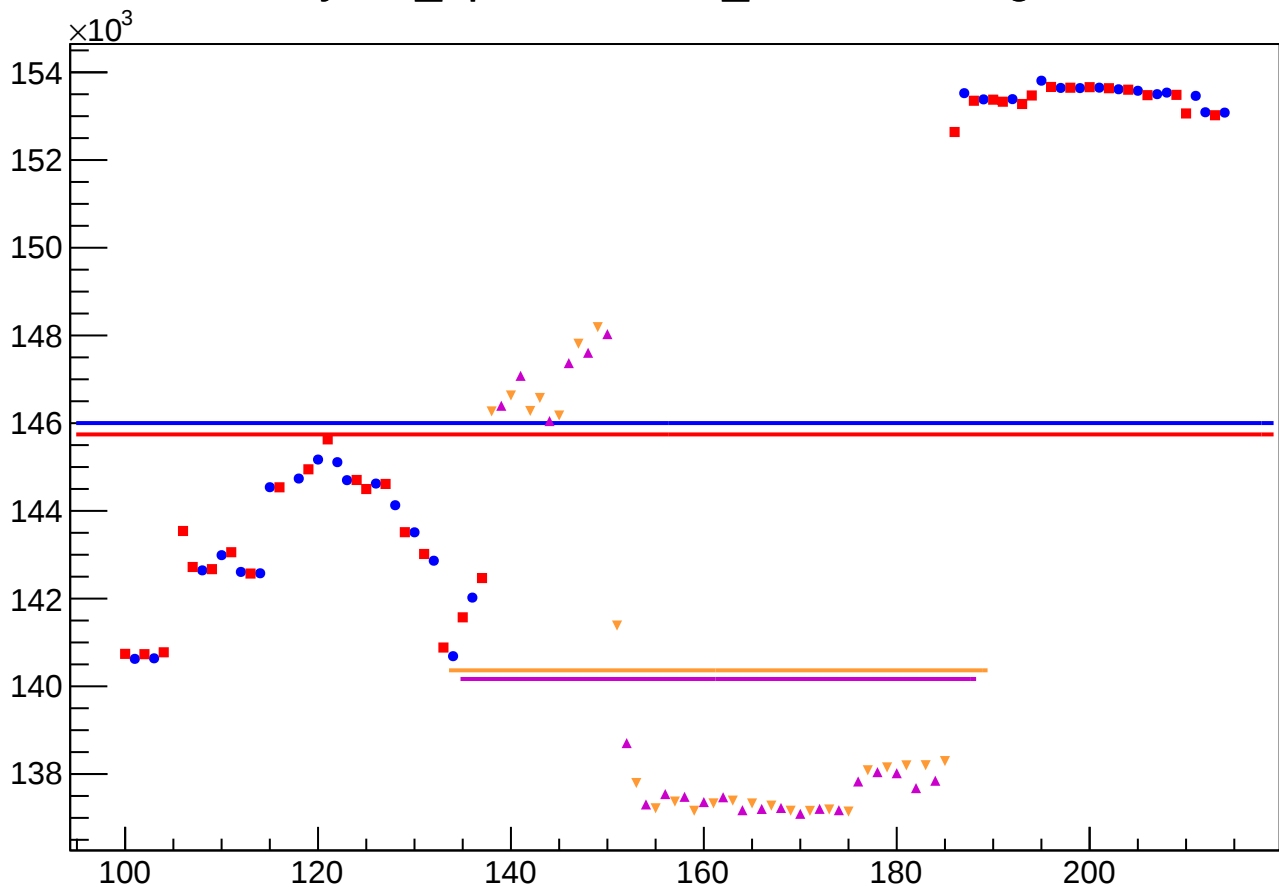
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 202.155 $\pm$ 0.025 χ^2 /NDF: 5977088.2/55

All: 201.256 $\pm$ 0.018 χ^2 /NDF: 12218084.0/11

- sign 200.351 $\pm$ 0.025 χ^2 /NDF: 6238481.1/56

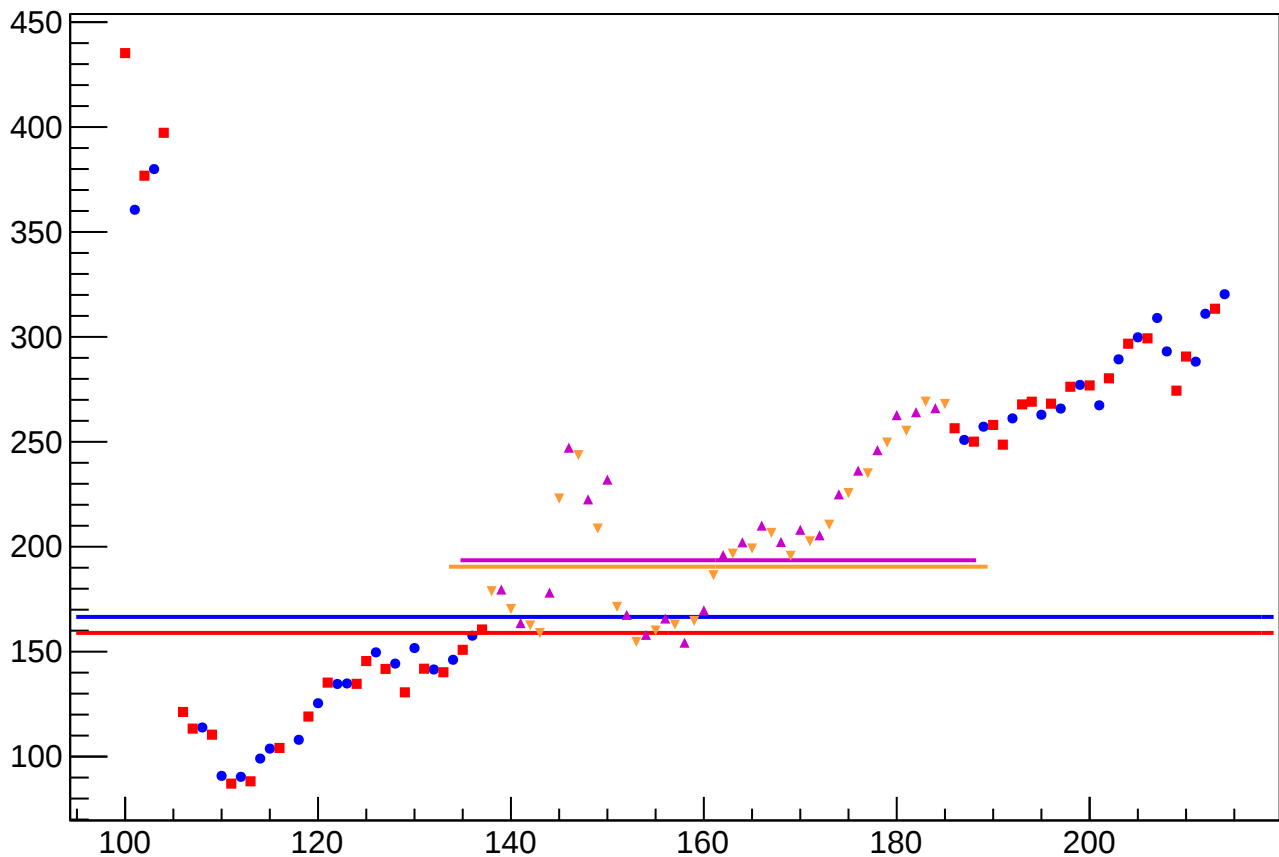
yield_bpm0i01aWS_mean vs Slug



Right In: 146002.341 $\pm$ 0.045 χ^2 /NDF: 10032236766.4/30
 Left Out: 140364.444 $\pm$ 0.045 χ^2 /NDF: 8677078677.7/24
 Right Out: 145743.443 $\pm$ 0.043 χ^2 /NDF: 10944410724.2/33
 Left In: 140166.971 $\pm$ 0.047 χ^2 /NDF: 8028464654.6/22

+ sign 143168.061 $\pm$ 0.032 χ^2 /NDF: 26439908040.0
 All: 143207.348 $\pm$ 0.023 χ^2 /NDF: 530417443.0
 - sign 143245.888 $\pm$ 0.032 χ^2 /NDF: 26598861705.7

yield_bpm0i01aWS_rms vs Slug



Right In: 166.559 $\pm$ 0.032 χ^2 /NDF: 6015671.6/30

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF:950233.2/24

Right Out: 158.936 $\pm$ 0.030 χ^2 /NDF: 6291419.7/33

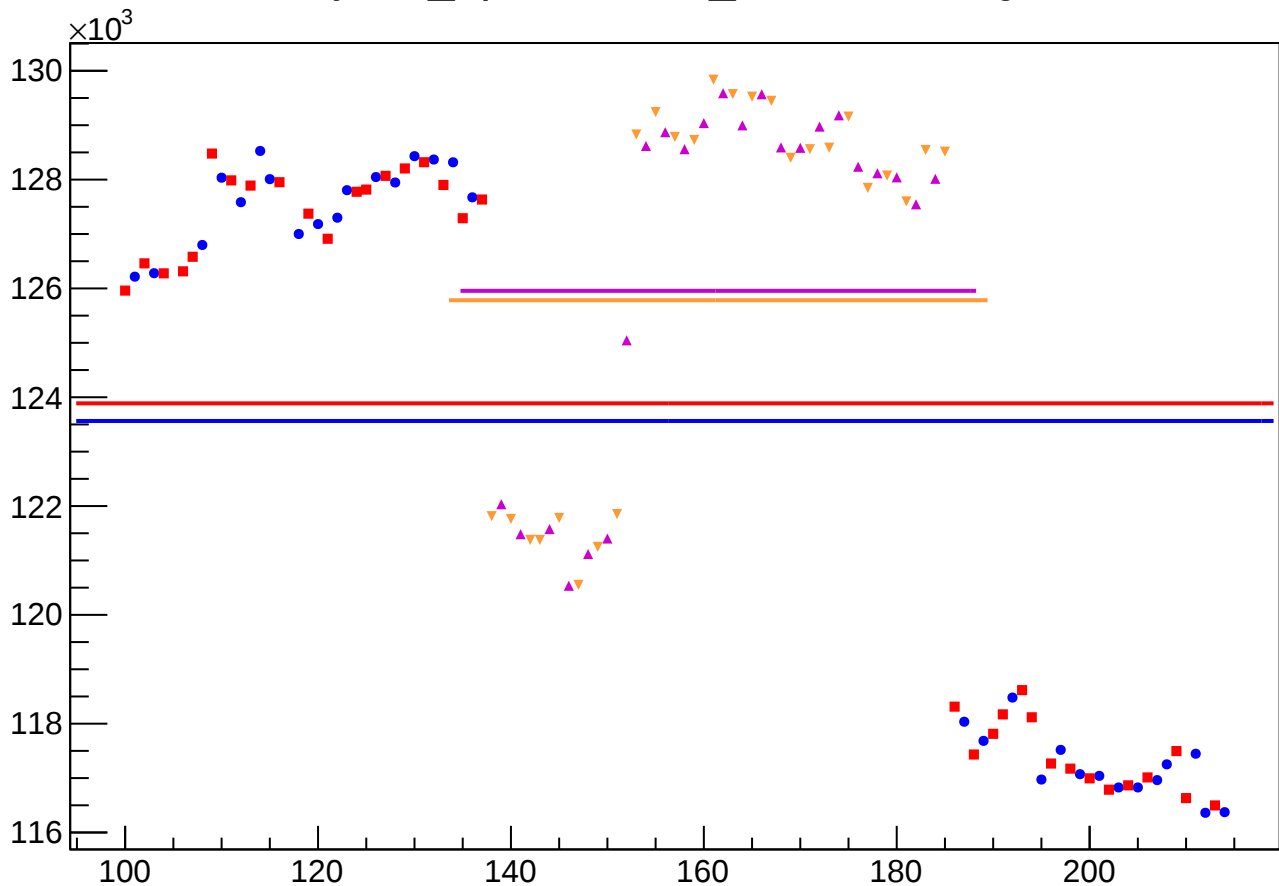
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF:963675.0/22

+ sign 178.588 $\pm$ 0.023 χ^2 /NDF: 7244374.0/55

All: 176.495 $\pm$ 0.016 χ^2 /NDF: 15104275.3/11

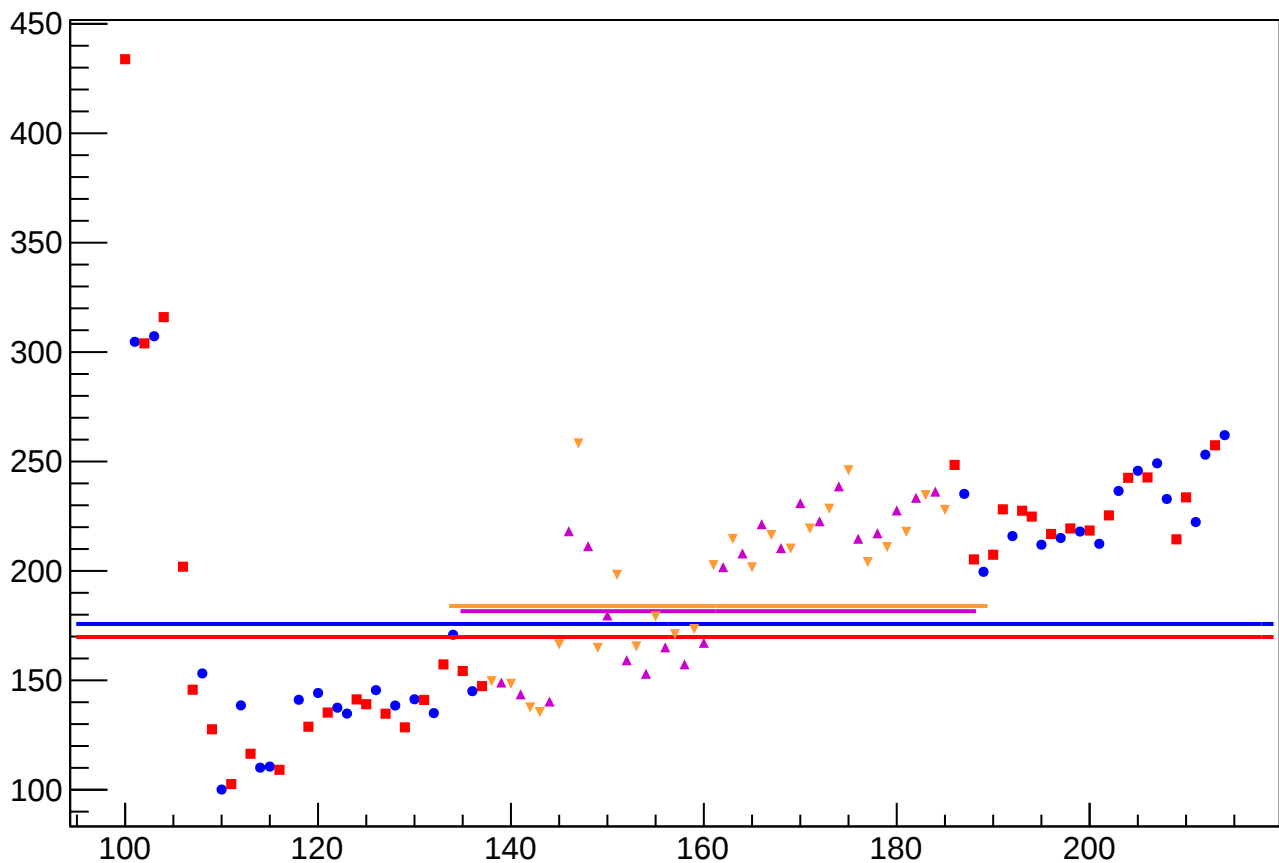
- sign 174.442 $\pm$ 0.022 χ^2 /NDF: 7843023.1/56

yield_bpm0l01WS_mean vs Slug



Right In: 123563.636 $\pm$ 0.045	χ^2 /NDF: 13006883344.3/30	+ sign 124704.814 $\pm$ 0.032	χ^2 /NDF: 20972047862.0
Left Out: 125782.764 $\pm$ 0.044	χ^2 /NDF: 6729761889.8/24	All: 124796.749 $\pm$ 0.022	χ^2 /NDF: 41435980.0
Right Out: 123887.901 $\pm$ 0.043	χ^2 /NDF: 13541637009.1/33	- sign 124886.242 $\pm$ 0.031	χ^2 /NDF: 20447181190.4
Left In: 125955.637 $\pm$ 0.045	χ^2 /NDF: 5804088930.1/22		

yield_bpm0l01WS_rms vs Slug



Right In: 175.767 $\pm$ 0.032 χ^2 /NDF: 2607801.4/30

Left Out: 183.947 $\pm$ 0.031 χ^2 /NDF: 1123194.0/24

Right Out: 169.794 $\pm$ 0.031 χ^2 /NDF: 2981884.4/33

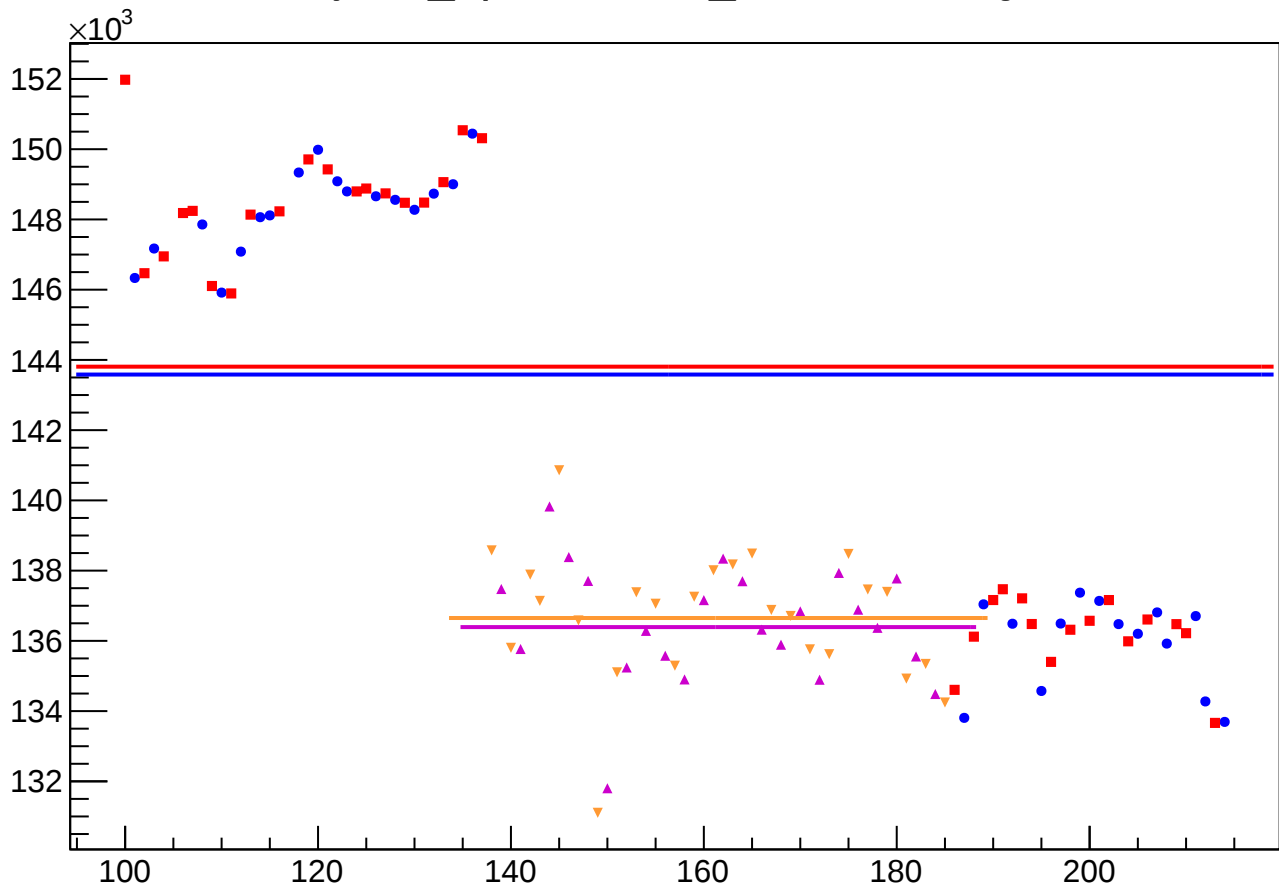
Left In: 181.596 $\pm$ 0.032 χ^2 /NDF: 1103524.3/22

+ sign 179.973 $\pm$ 0.022 χ^2 /NDF: 3764563.3/55

All: 177.703 $\pm$ 0.016 χ^2 /NDF: 7942179.1/112

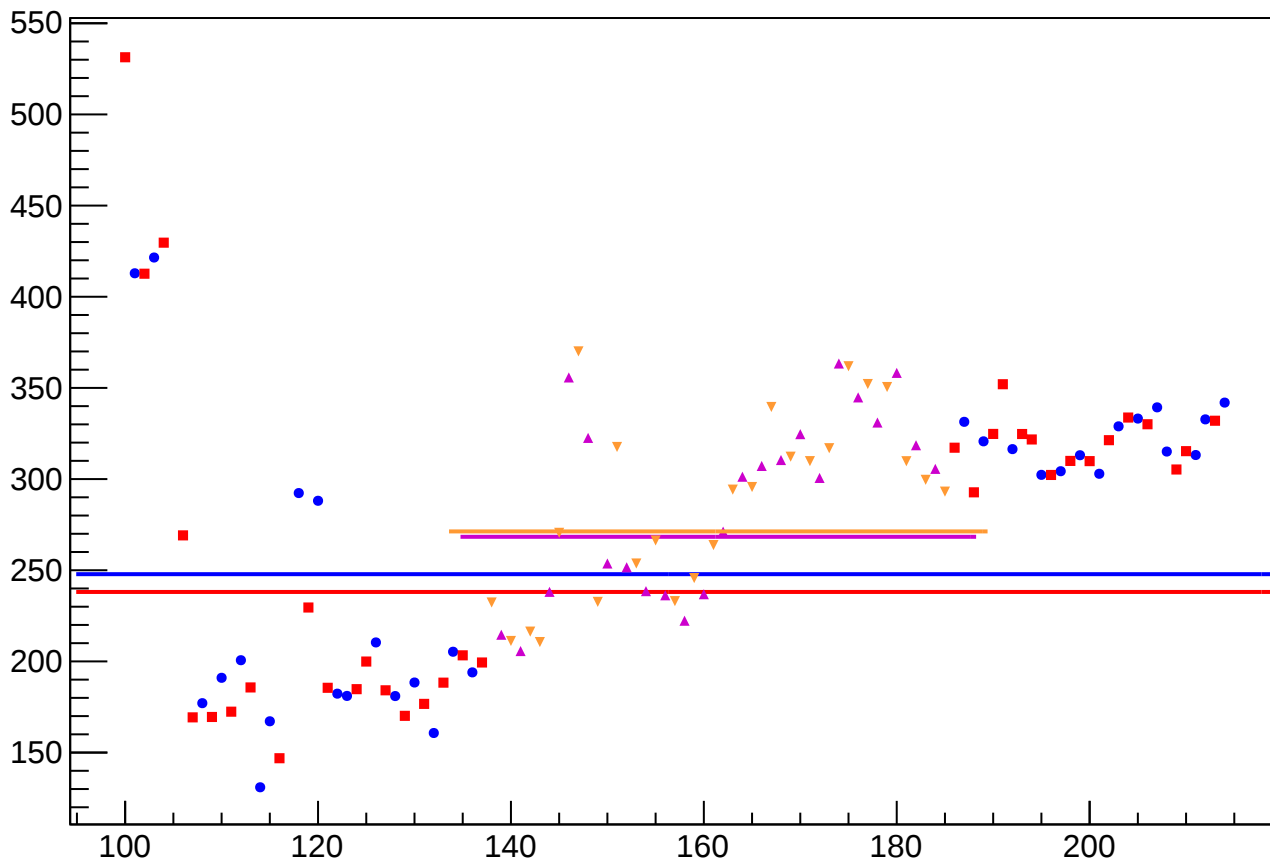
- sign 175.492 $\pm$ 0.022 χ^2 /NDF: 4157174.2/56

yield_bpm0l02WS_mean vs Slug



Right In: 143583.311 $\pm$ 0.064	χ^2 /NDF: 9429693435.7/30	+ sign 140158.492 $\pm$ 0.045	χ^2 /NDF: 16182371117.
Left Out: 136650.935 $\pm$ 0.065	χ^2 /NDF: 930649595.5/24	All: 140286.755 $\pm$ 0.032	χ^2 /NDF: 334319023
Right Out: 143807.810 $\pm$ 0.061	χ^2 /NDF: 9683974740.2/33	- sign 140410.679 $\pm$ 0.045	χ^2 /NDF: 17233854455.3
Left In: 136392.188 $\pm$ 0.066	χ^2 /NDF: 701986841.4/22		

yield_bpm0l02WS_rms vs Slug



Right In: 247.842 $\pm$ 0.045 χ^2 /NDF: 2629892.9/30

Left Out: 271.295 $\pm$ 0.046 χ^2 /NDF:1064485.7/24

Right Out: 238.091 $\pm$ 0.043 χ^2 /NDF: 2840015.0/33

Left In: 268.344 $\pm$ 0.047 χ^2 /NDF:1077364.0/22

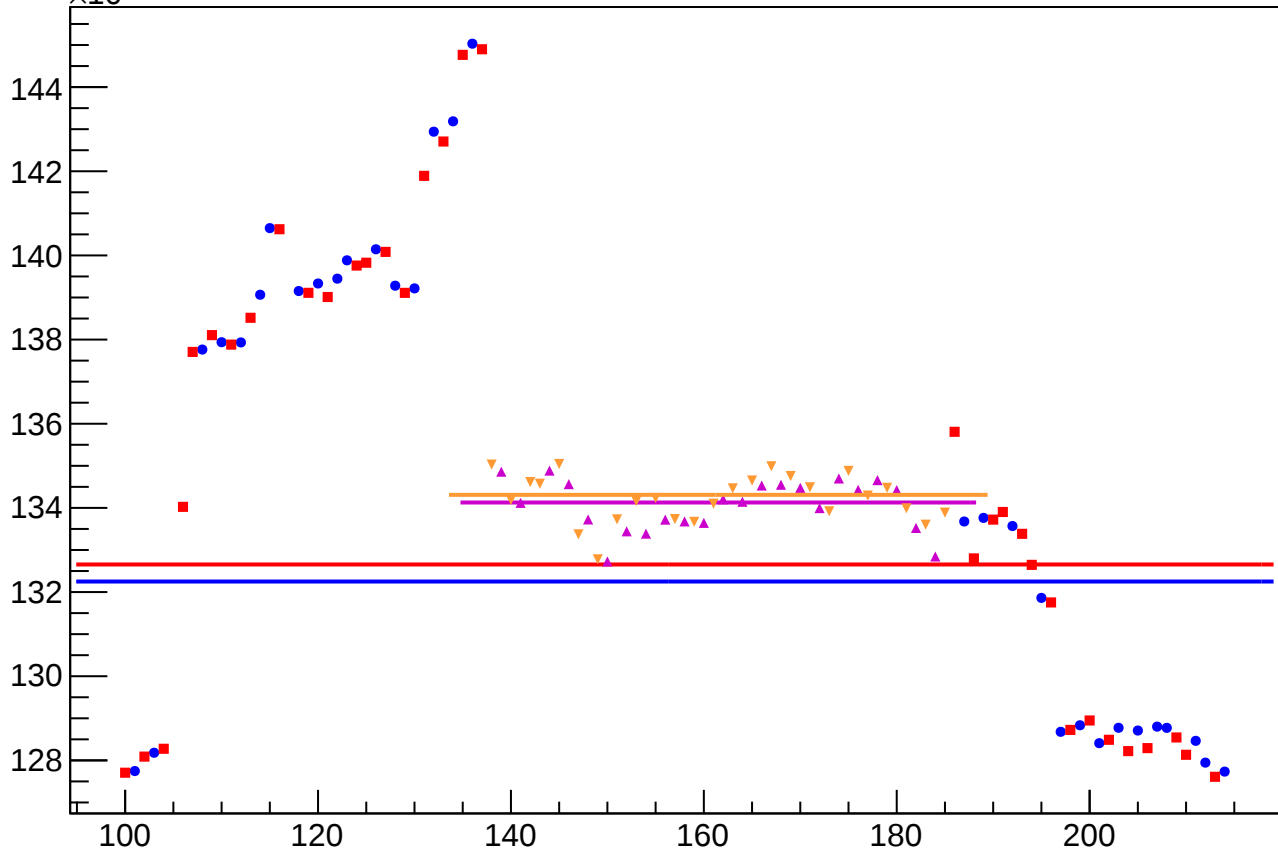
+ sign 259.429 $\pm$ 0.032 χ^2 /NDF: 3827649.0/55

All: 255.625 $\pm$ 0.023 χ^2 /NDF: 8000548.0/112

- sign 251.950 $\pm$ 0.032 χ^2 /NDF: 4145322.1/56

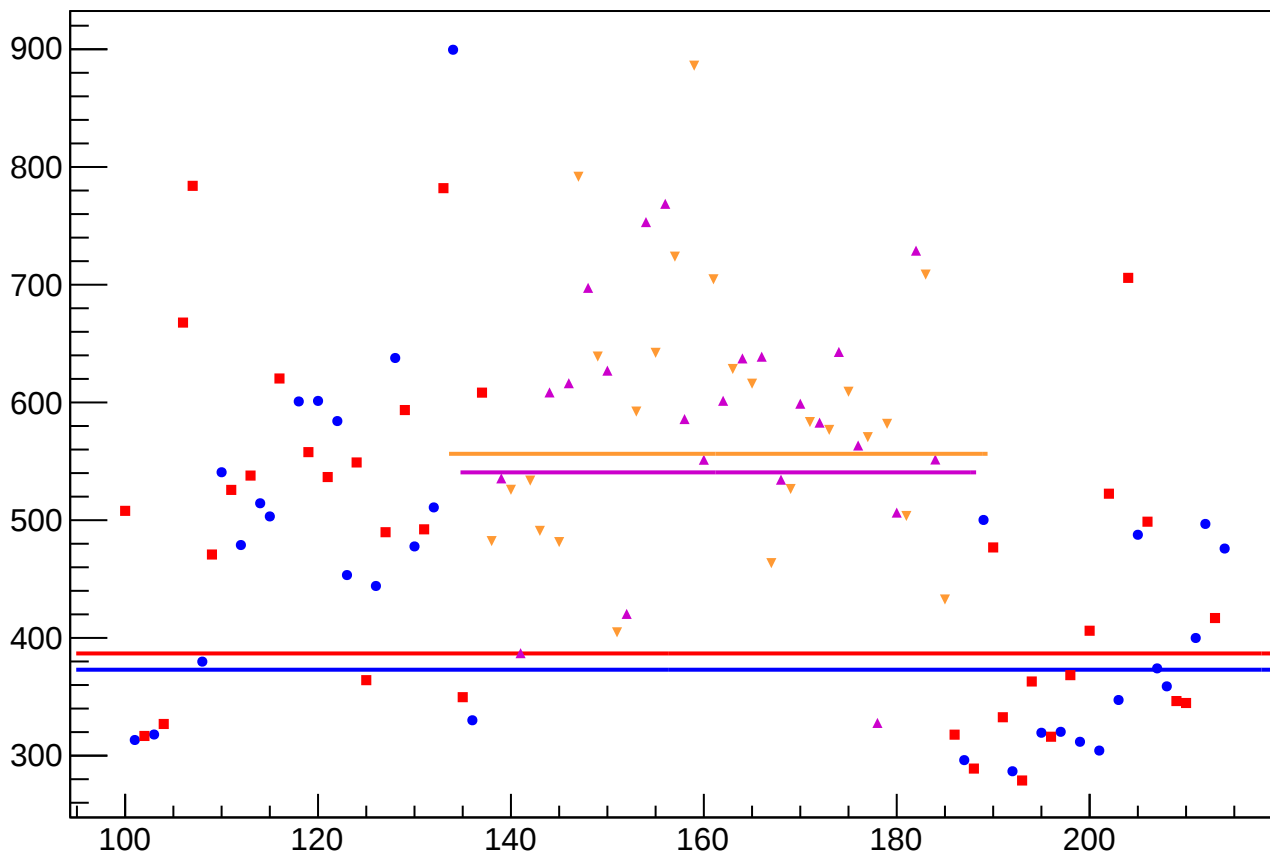
yield_bpm0l03WS_mean vs Slug

$\times 10^3$



Right In: 132250.539 $\pm$ 0.103 χ^2 /NDF: 2738307294.8/30
 Left Out: 134310.250 $\pm$ 0.139 χ^2 /NDF: 15518632.9/24
 Right Out: 132655.367 $\pm$ 0.107 χ^2 /NDF: 1938858065.9/33
 Left In: 134128.172 $\pm$ 0.142 χ^2 /NDF: 15533736.2/22

yield_bpm0l03WS_rms vs Slug



Right In: 372.997 ± 0.073 $\chi^2/\text{NDF}: 1484764.9/30$

Left Out: 556.381 ± 0.098 $\chi^2/\text{NDF}: 1002064.0/24$

Right Out: 386.812 ± 0.076 $\chi^2/\text{NDF}: 1940835.4/33$

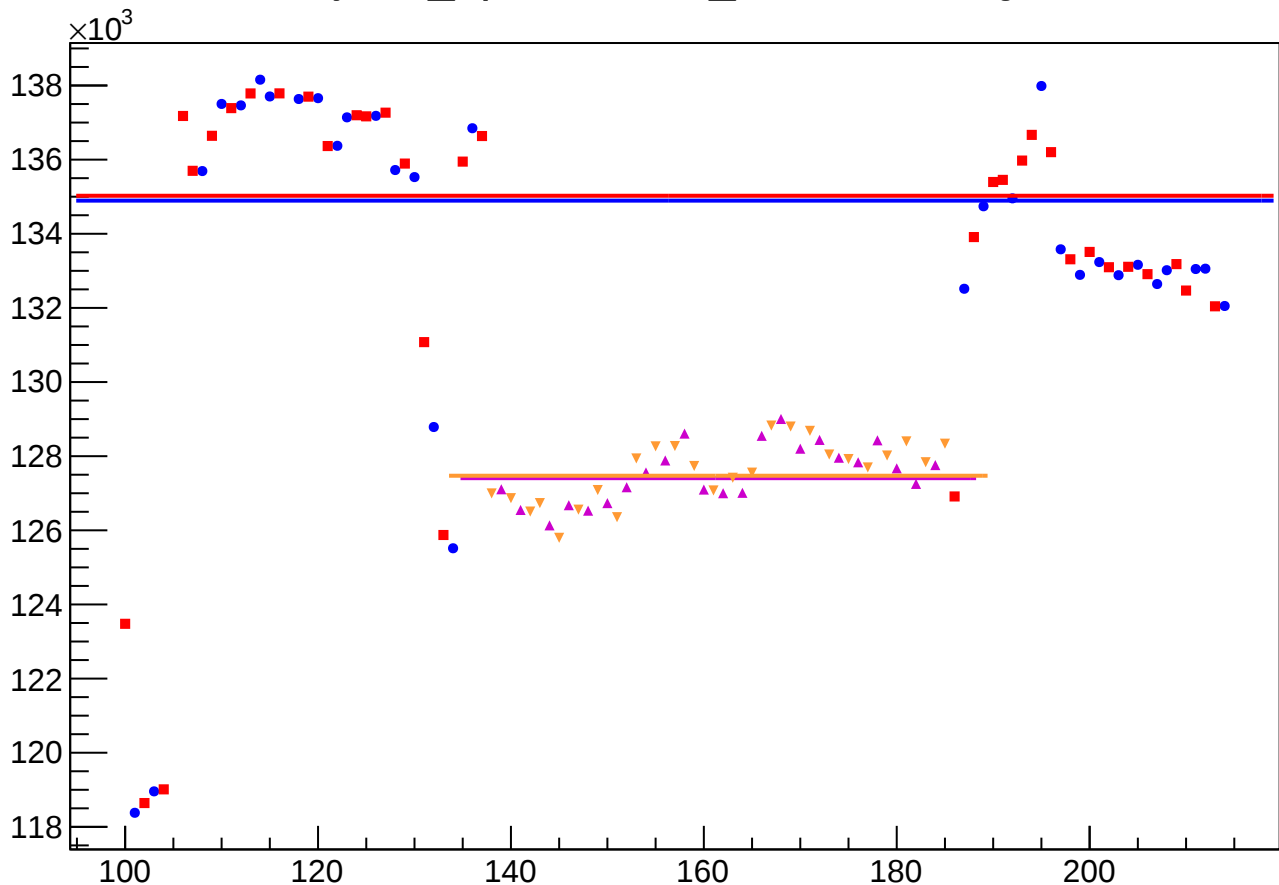
Left In: 540.607 ± 0.100 $\chi^2/\text{NDF}: 1409015.2/22$

+ sign 438.530 ± 0.059 $\chi^2/\text{NDF}: 4738339.0/55$

All: 440.404 ± 0.042 $\chi^2/\text{NDF}: 9588757.6/112$

- sign 442.393 ± 0.060 $\chi^2/\text{NDF}: 4848309.6/56$

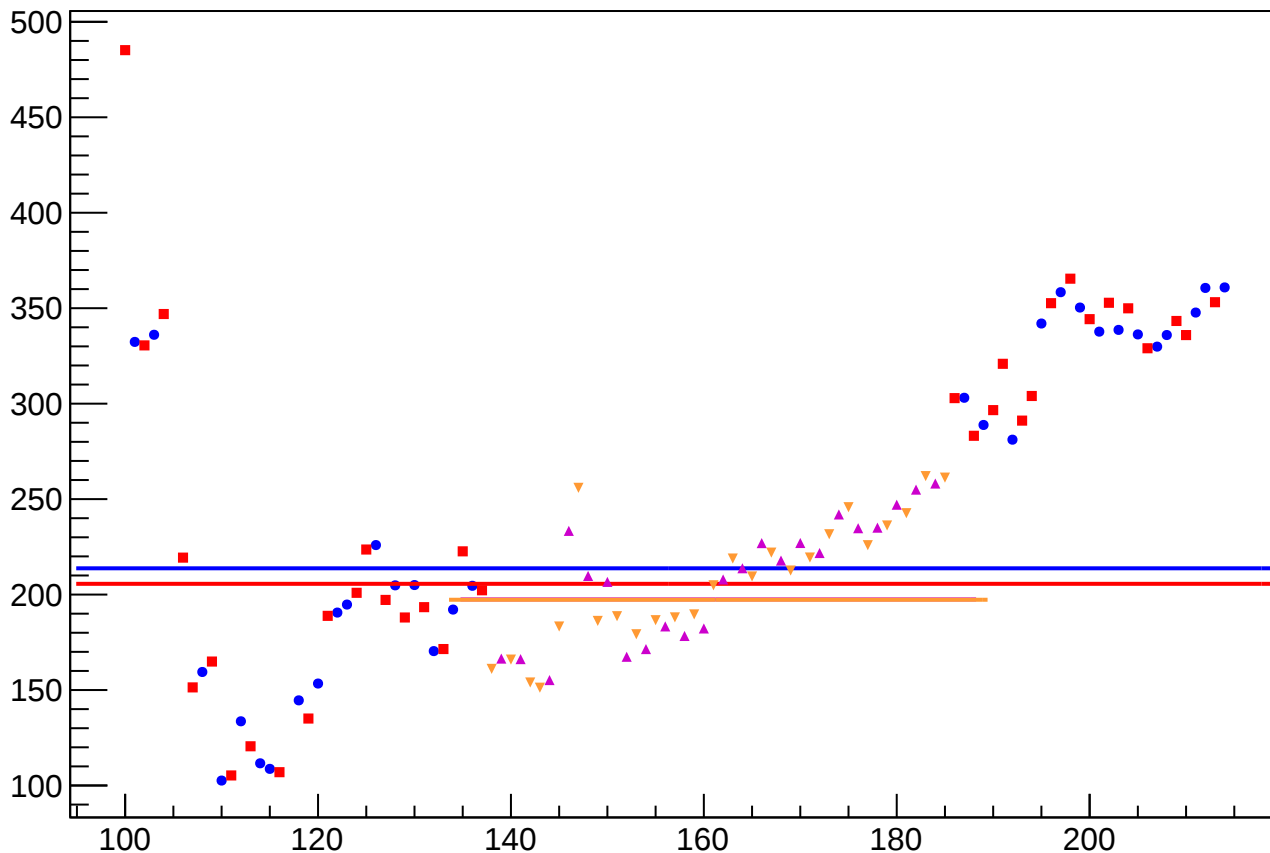
yield_bpm0l04WS_mean vs Slug



Right In: 134894.322 $\pm$ 0.057 χ^2 /NDF: 4956294630.6/30
 Left Out: 127472.525 $\pm$ 0.047 χ^2 /NDF: 303609315.6/24
 Right Out: 135025.730 $\pm$ 0.055 χ^2 /NDF: 5331757099.7/33
 Left In: 127406.911 $\pm$ 0.048 χ^2 /NDF: 269927988.0/22

+ sign 130440.301 $\pm$ 0.036 χ^2 /NDF: 15292515958.
 All: 130598.418 $\pm$ 0.026 χ^2 /NDF: 318401600
 - sign 130755.737 $\pm$ 0.036 χ^2 /NDF: 16509789941.4

yield_bpm0l04WS_rms vs Slug



Right In: 213.758 $\pm$ 0.041 χ^2 /NDF: 4906616.1/30

Left Out: 197.289 $\pm$ 0.033 χ^2 /NDF: 852024.1/24

Right Out: 205.632 $\pm$ 0.039 χ^2 /NDF: 5281832.3/33

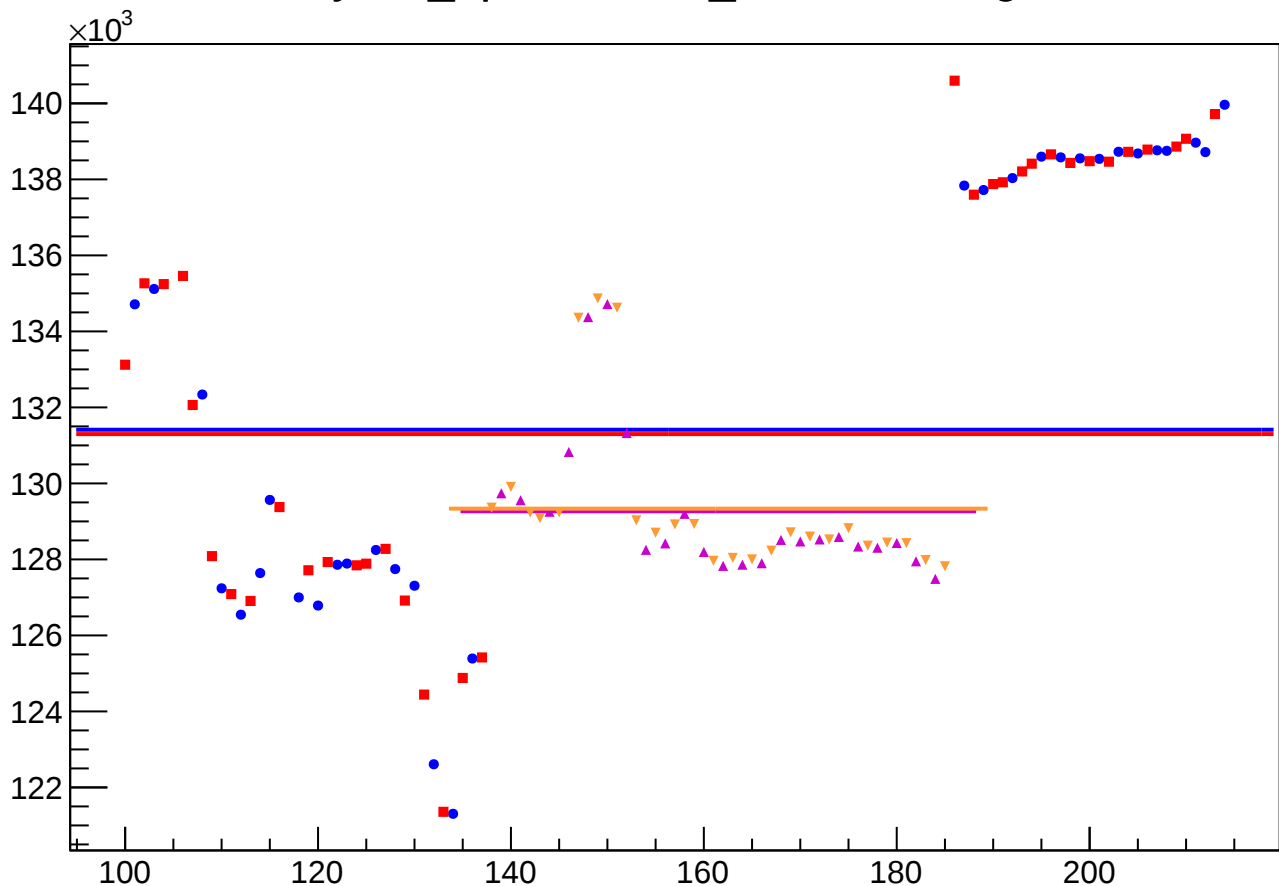
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 203.875 $\pm$ 0.026 χ^2 /NDF: 5857440.7/55

All: 202.463 $\pm$ 0.018 χ^2 /NDF: 11961917.3/11

- sign 201.058 $\pm$ 0.026 χ^2 /NDF: 6098439.3/56

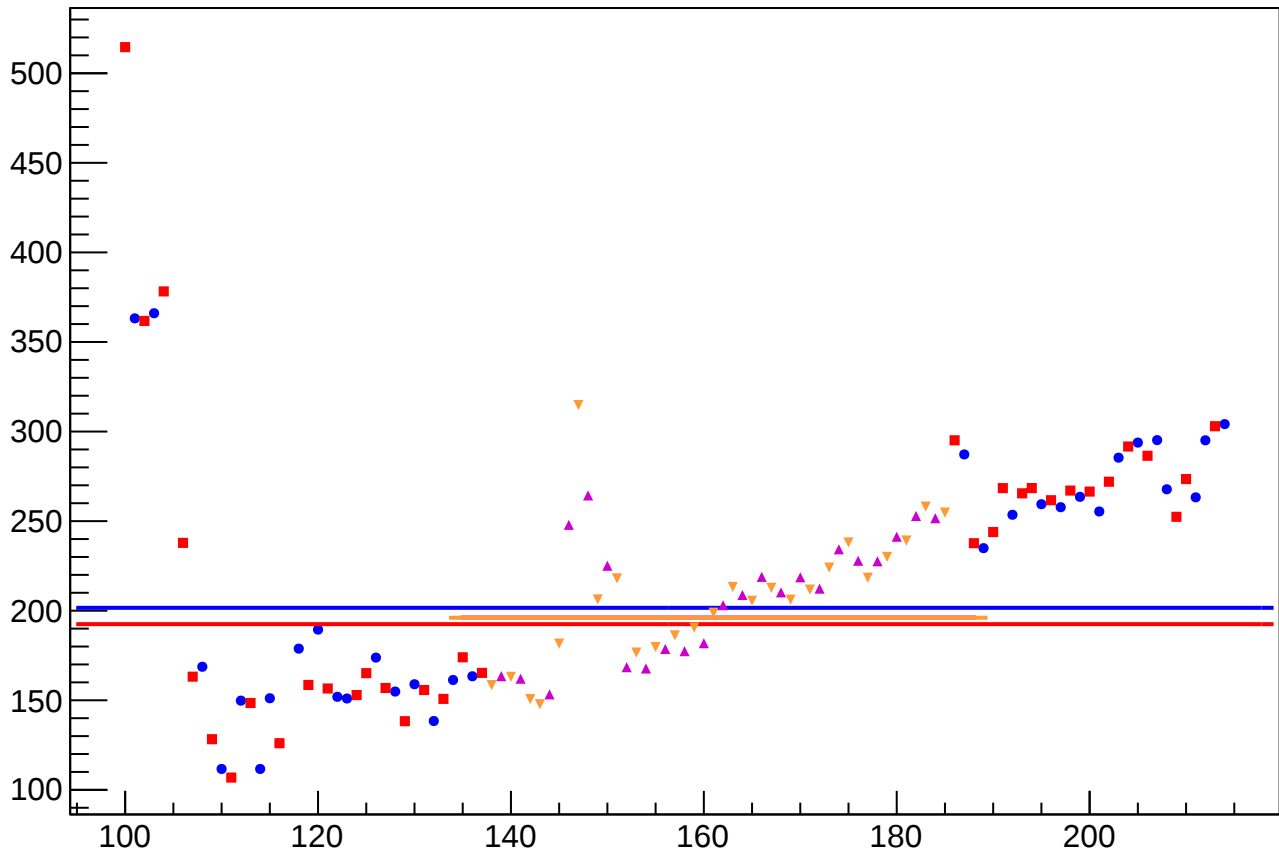
yield_bpm0l05WS_mean vs Slug



Right In: 131412.434 ± 0.053 $\chi^2/\text{NDF}: 13041039723.1/30$
 Left Out: 129335.946 ± 0.047 $\chi^2/\text{NDF}: 1450933621.0/24$
 Right Out: 131297.428 ± 0.050 $\chi^2/\text{NDF}: 13489160146.0/33$
 Left In: 129266.909 ± 0.048 $\chi^2/\text{NDF}: 1213762773.1/22$

+ sign 130253.393 ± 0.035 $\chi^2/\text{NDF}: 15364490263.1/24$
 All: 130251.123 ± 0.025 $\chi^2/\text{NDF}: 309272995.1/24$
 - sign 130248.893 ± 0.035 $\chi^2/\text{NDF}: 15562801272.8/24$

yield_bpm0l05WS_rms vs Slug



Right In: 201.612 $\pm$ 0.037 χ^2 /NDF: 3075921.4/30

Left Out: 196.077 $\pm$ 0.033 χ^2 /NDF:975710.9/24

Right Out: 192.490 $\pm$ 0.035 χ^2 /NDF: 3608676.5/33

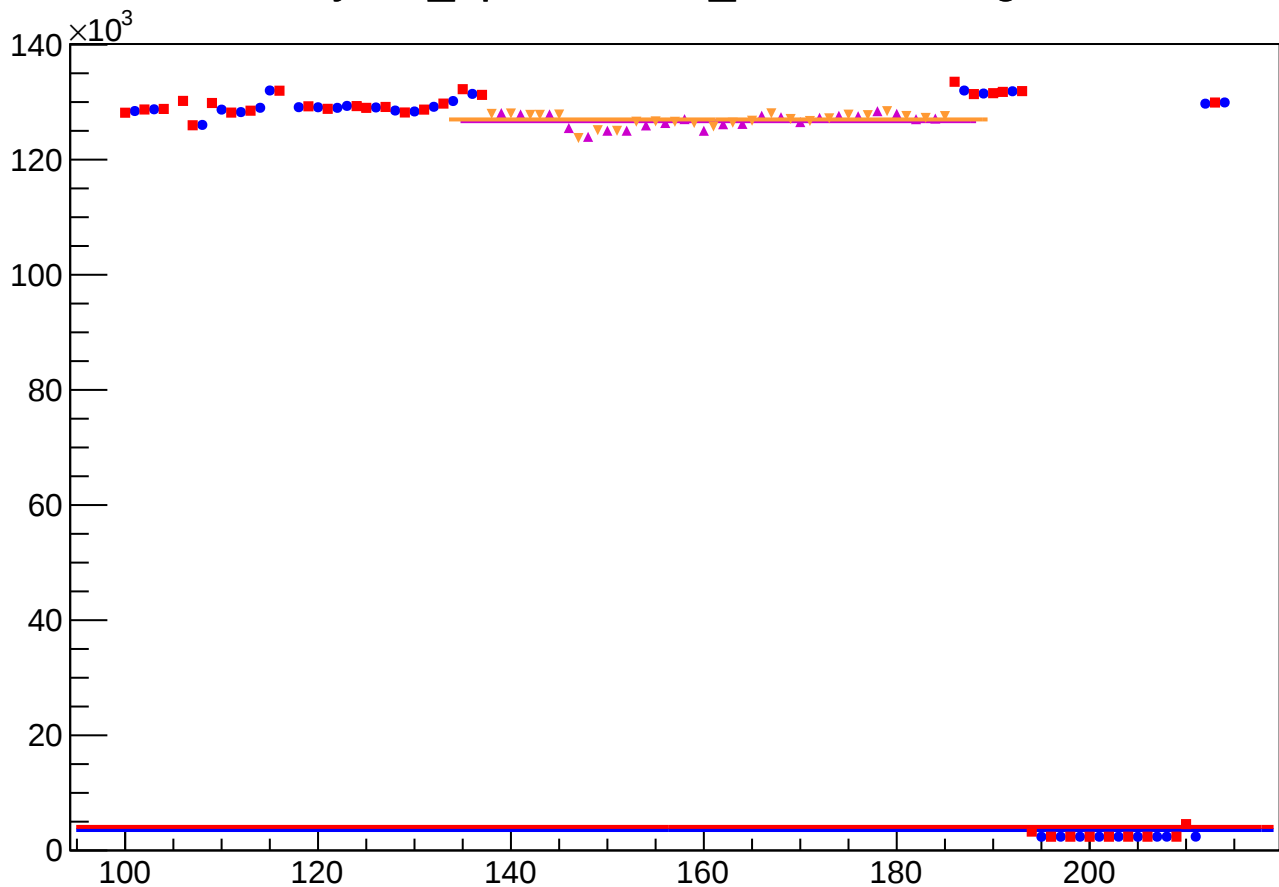
Left In: 196.186 $\pm$ 0.034 χ^2 /NDF:898058.0/22

+ sign 198.523 $\pm$ 0.025 χ^2 /NDF: 4064029.4/55

All: 196.442 $\pm$ 0.017 χ^2 /NDF: 8590543.3/112

- sign 194.398 $\pm$ 0.024 χ^2 /NDF: 4512434.0/56

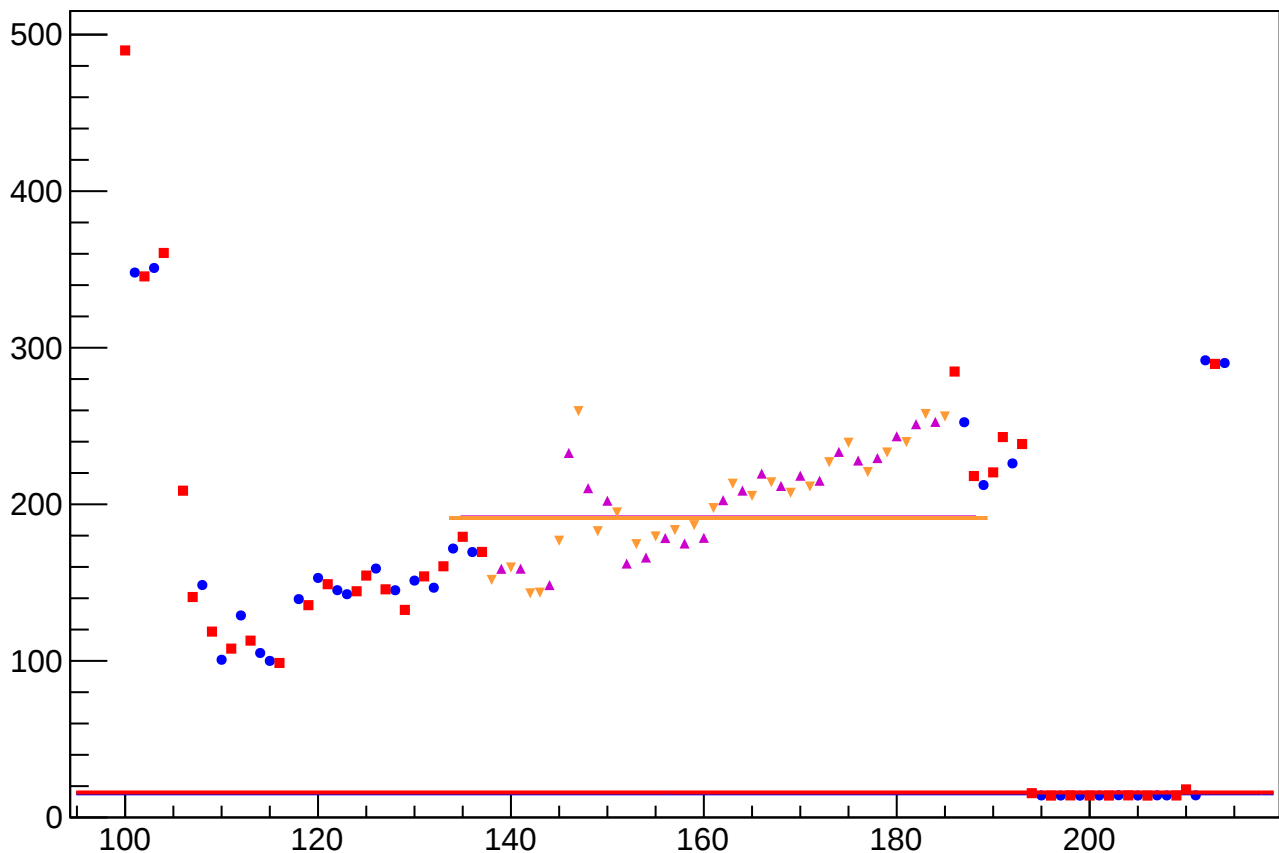
yield_bpm0l06WS_mean vs Slug



Right In: 3550.673 $\pm$ 0.005 χ^2 /NDF: 5169445575783.6/30
 Left Out: 126981.724 $\pm$ 0.046 χ^2 /NDF: 530573115.8/24
 Right Out: 4090.592 $\pm$ 0.006 χ^2 /NDF: 5949609375147.4/33
 Left In: 126682.659 $\pm$ 0.047 χ^2 /NDF: 660415880.0/22

+ sign 5208.857 $\pm$ 0.005 χ^2 /NDF: 12423023121303
 All: 5548.826 $\pm$ 0.004 χ^2 /NDF: 25084219137
 - sign 5960.068 $\pm$ 0.006 χ^2 /NDF: 12652022413859

yield_bpm0l06WS_rms vs Slug



Right In: 15.406 $\pm$ 0.004 χ^2 /NDF: 15975014.0/30

Left Out: 191.263 $\pm$ 0.032 χ^2 /NDF: 992566.2/24

Right Out: 15.959 $\pm$ 0.004 χ^2 /NDF: 16898982.6/33

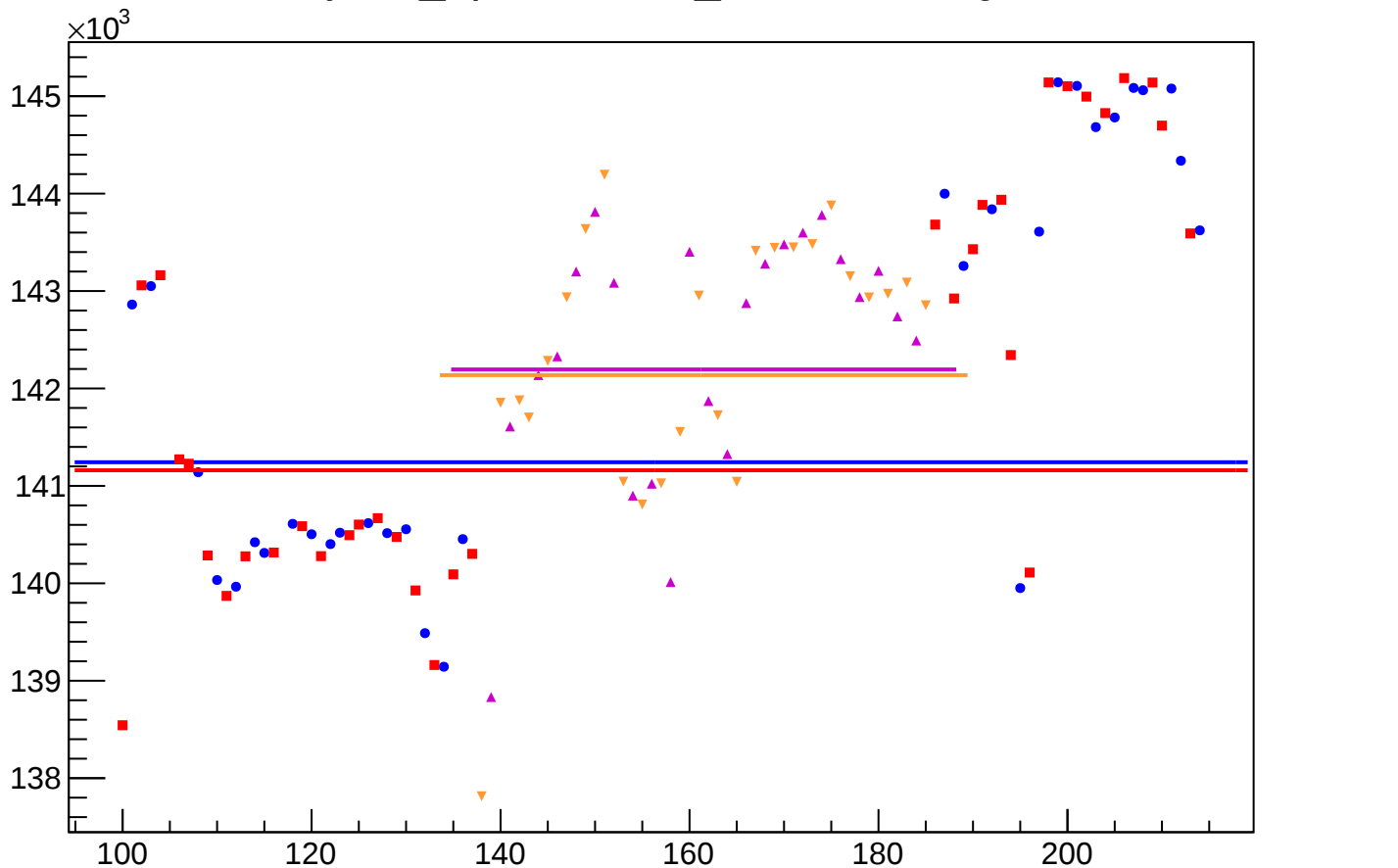
Left In: 191.683 $\pm$ 0.033 χ^2 /NDF: 864384.9/22

+ sign 17.768 $\pm$ 0.004 χ^2 /NDF: 46413256.8/55

All: 18.162 $\pm$ 0.003 χ^2 /NDF: 91740724.0/112

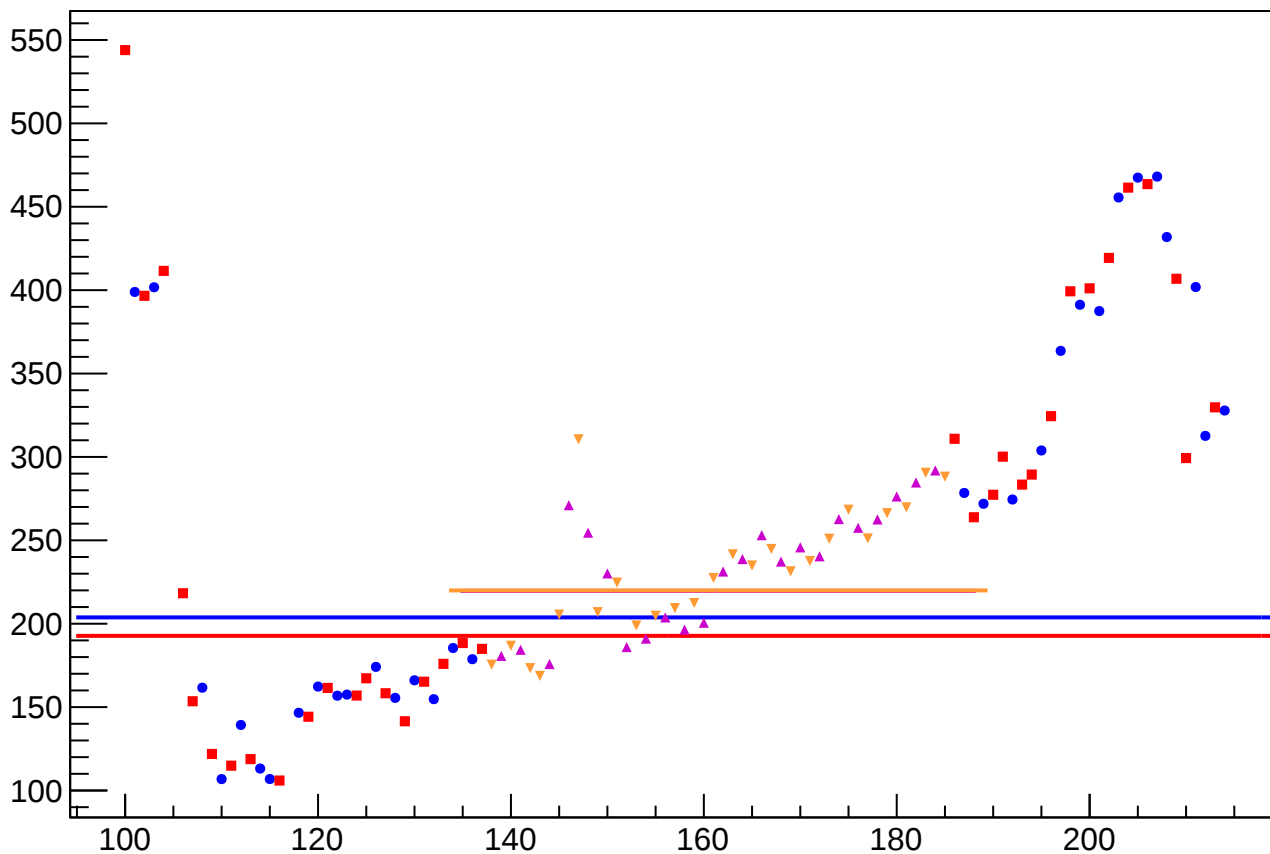
- sign 18.638 $\pm$ 0.004 χ^2 /NDF: 45302870.8/56

yield_bpm0l07WS_mean vs Slug



Right In: 141242.844 $\pm$ 0.056 χ^2 /NDF: 959021277.4/30
 Left Out: 142136.579 $\pm$ 0.052 χ^2 /NDF: 815573343.0/24
 Right Out: 141160.341 $\pm$ 0.052 χ^2 /NDF: 989282746.9/33
 Left In: 142195.020 $\pm$ 0.054 χ^2 /NDF: 644030906.9/22
 All: 141689.580 $\pm$ 0.027 χ^2 /NDF: 373577463.0/100
 + sign 141719.543 $\pm$ 0.038 χ^2 /NDF: 1910725995.2/100
 - sign 141660.790 $\pm$ 0.037 χ^2 /NDF: 1823843182.9/100

yield_bpm0l07WS_rms vs Slug



Right In: 203.790 $\pm$ 0.040 χ^2 /NDF: 6233296.5/30

Left Out: 219.969 $\pm$ 0.037 χ^2 /NDF: 866616.3/24

Right Out: 192.723 $\pm$ 0.037 χ^2 /NDF: 6442104.1/33

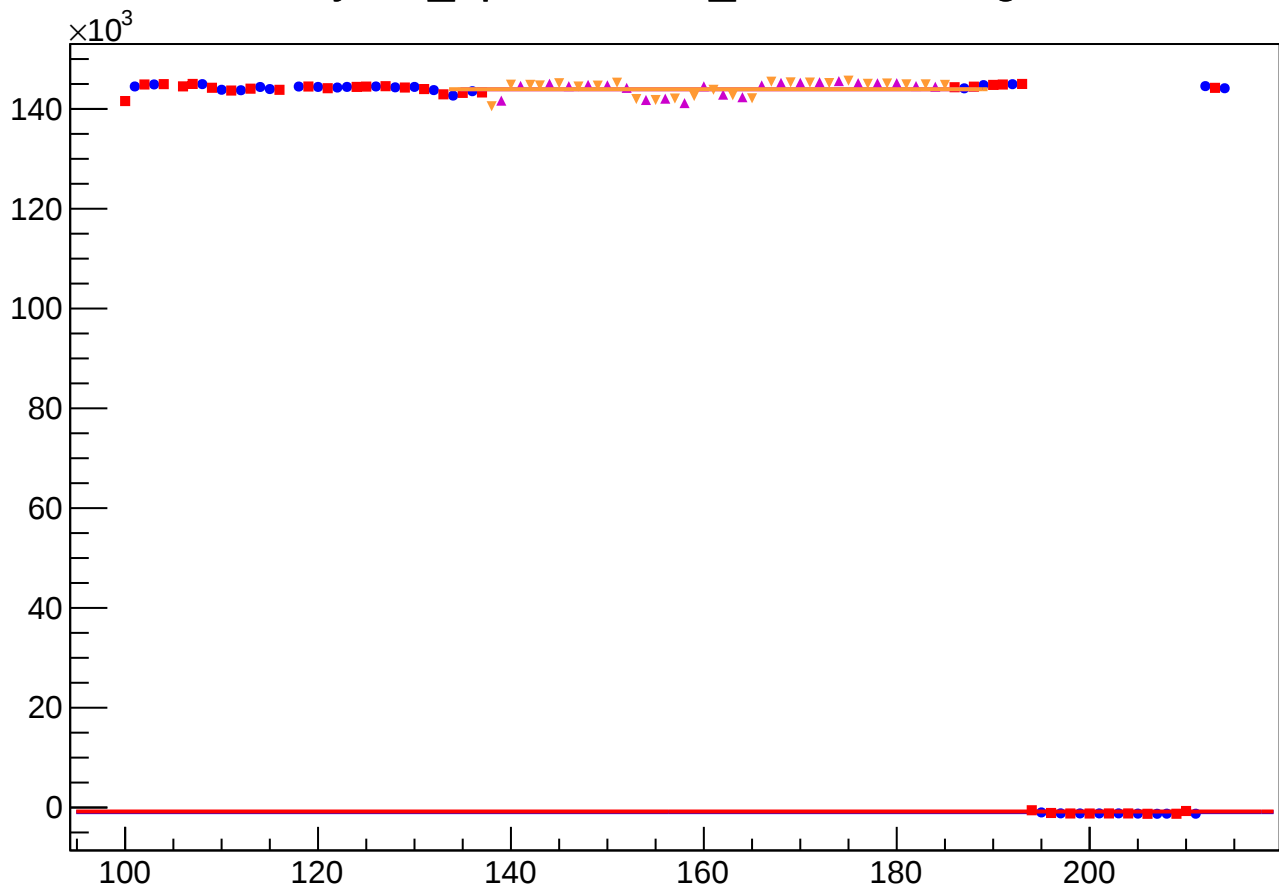
Left In: 219.685 $\pm$ 0.038 χ^2 /NDF: 812745.1/22

+ sign 212.420 $\pm$ 0.027 χ^2 /NDF: 7189134.2/55

All: 209.025 $\pm$ 0.019 χ^2 /NDF: 14733676.1/11

- sign 205.764 $\pm$ 0.026 χ^2 /NDF: 7513598.2/56

yield_bpm0l08WS_mean vs Slug



Right In: -926.105 ± 0.003 $\chi^2/\text{NDF}: 5603813233521.2/30$

Left Out: 143951.284 ± 0.052 $\chi^2/\text{NDF}: 864679545.2/24$

Right Out: -800.010 ± 0.003 $\chi^2/\text{NDF}: 6545442711476.7/33$

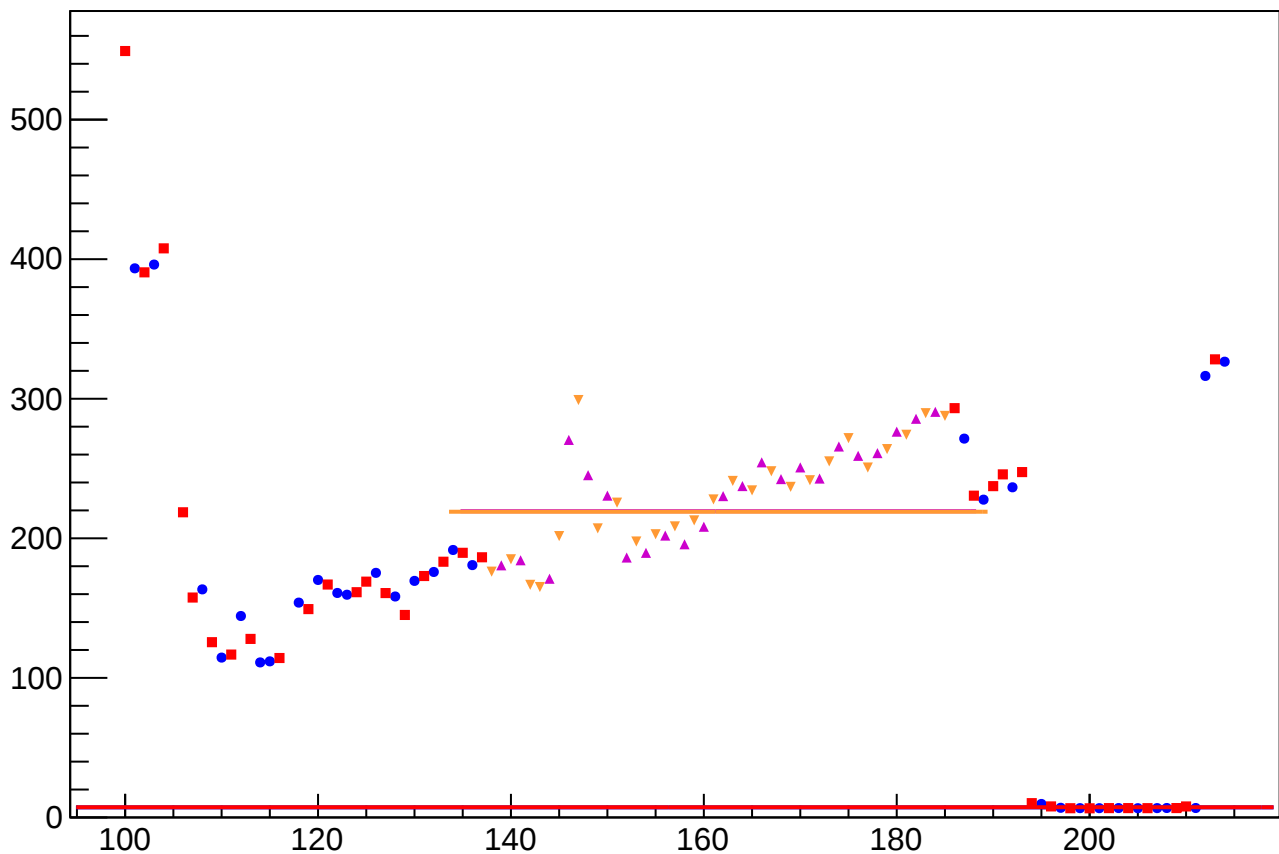
Left In: 143938.288 ± 0.054 $\chi^2/\text{NDF}: 719814685.6/22$

+ sign -556.728 ± 0.003 $\chi^2/\text{NDF}: 13307014721201$

All: -477.938 ± 0.002 $\chi^2/\text{NDF}: 27060988557$

- sign -382.975 ± 0.003 $\chi^2/\text{NDF}: 13751998379235$

yield_bpm0l08WS_rms vs Slug



Right In: 7.223 ± 0.002 $\chi^2/\text{NDF}: 17776338.4/30$

Left Out: 219.050 ± 0.037 $\chi^2/\text{NDF}: 934417.6/24$

Right Out: 7.321 ± 0.002 $\chi^2/\text{NDF}: 18867640.7/33$

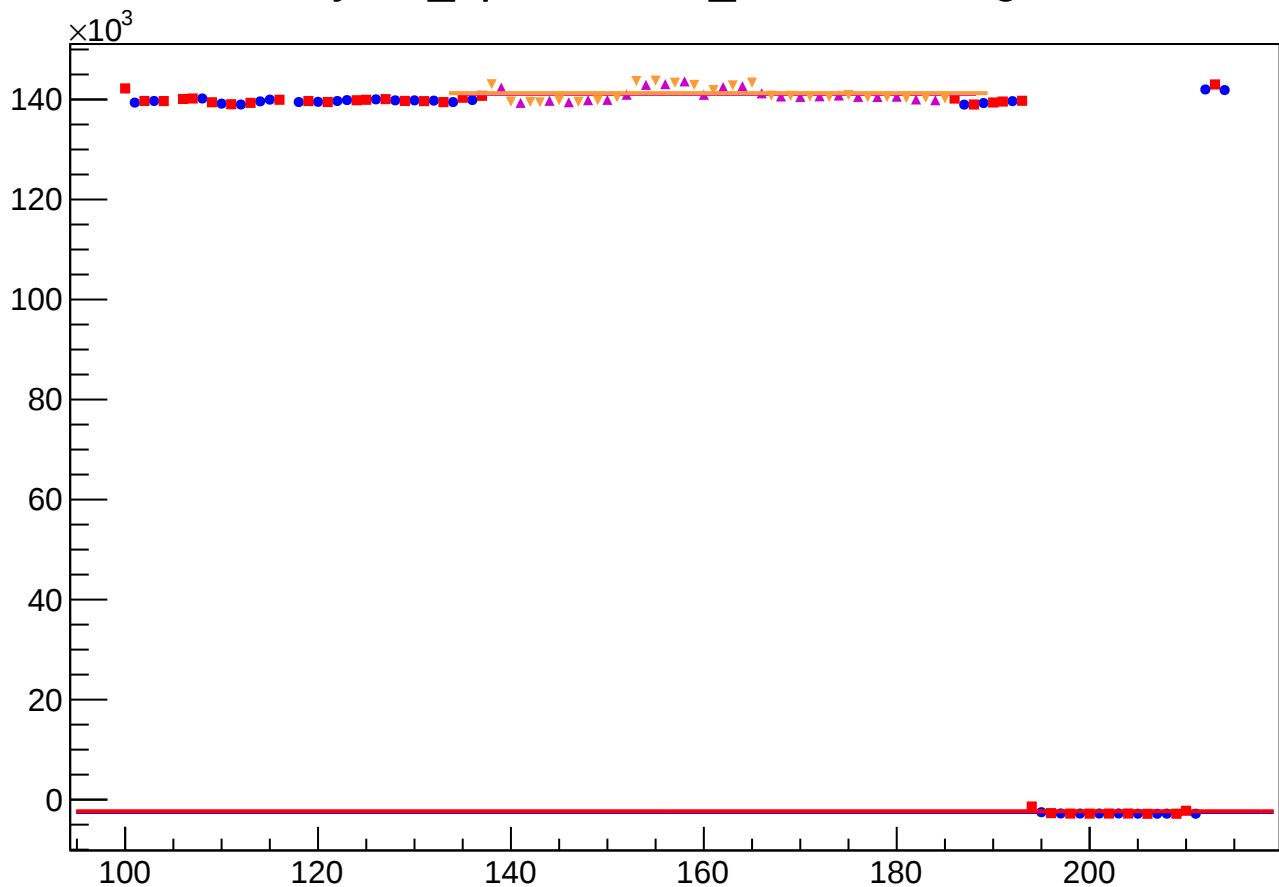
Left In: 219.426 ± 0.038 $\chi^2/\text{NDF}: 850089.5/22$

+ sign 7.763 ± 0.002 $\chi^2/\text{NDF}: 51642222.0/55$

All: 7.840 ± 0.001 $\chi^2/\text{NDF}: 102312845.3/112$

- sign 7.932 ± 0.002 $\chi^2/\text{NDF}: 50666909.0/56$

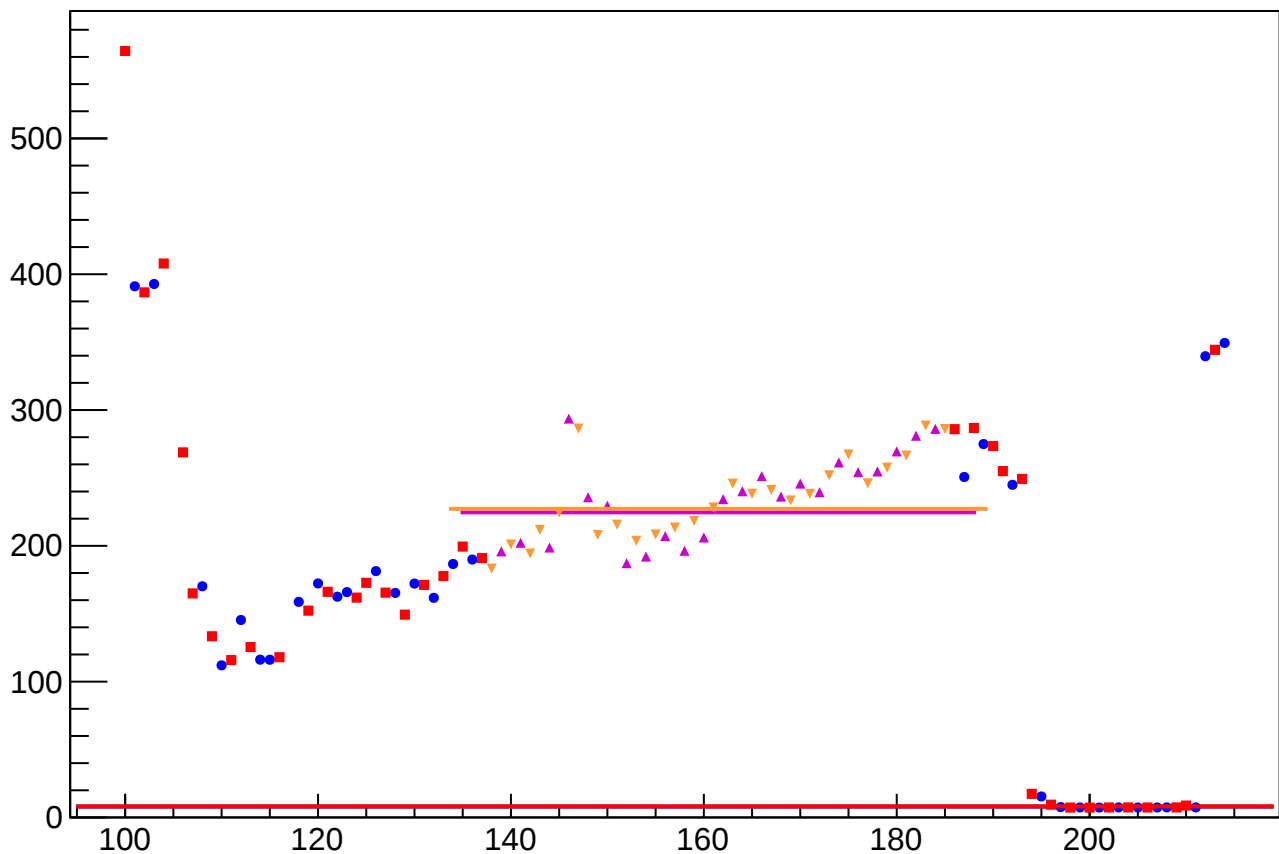
yield_bpm0l09WS_mean vs Slug



Right In: -2466.060 ± 0.003 $\chi^2/\text{NDF}: 5127853590254.5/30$
 Left Out: 141268.791 ± 0.054 $\chi^2/\text{NDF}: 795989244.2/24$
 Right Out: -2327.246 ± 0.003 $\chi^2/\text{NDF}: 5921513755819.4/33$
 Left In: 141119.484 ± 0.055 $\chi^2/\text{NDF}: 565312728.1/22$

+ sign -2033.676 ± 0.003 $\chi^2/\text{NDF}: 1227169983915$
 All: -1941.213 ± 0.002 $\chi^2/\text{NDF}: 2499566891$
 - sign -1829.723 ± 0.003 $\chi^2/\text{NDF}: 12721795077192$

yield_bpm0l09WS_rms vs Slug



Right In: 8.018 ± 0.002 χ^2/NDF : 17914755.5/30

Left Out: 227.224 ± 0.038 χ^2/NDF : 484955.3/24

Right Out: 8.144 ± 0.002 χ^2/NDF : 18904667.9/33

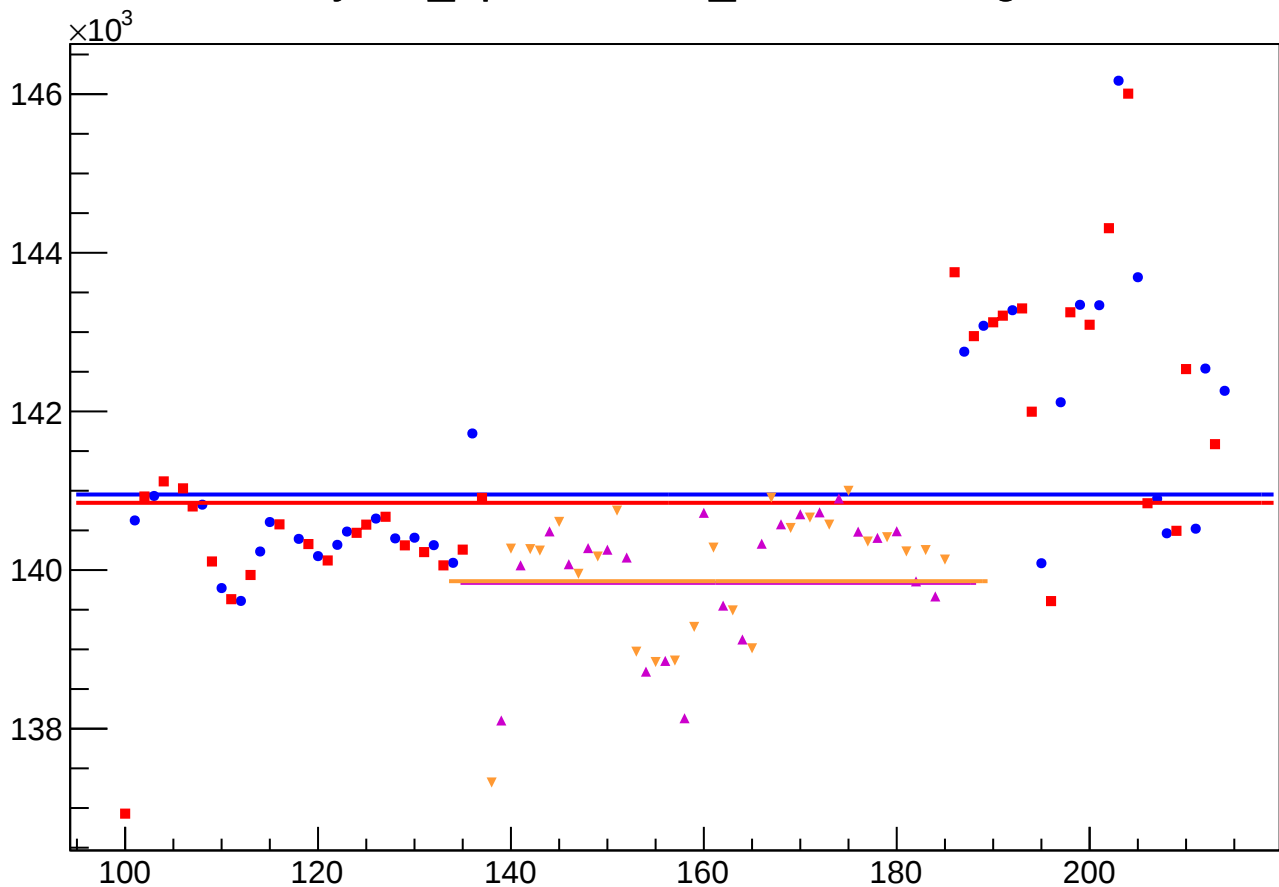
Left In: 224.686 ± 0.039 χ^2/NDF : 578366.0/22

+ sign 8.677 ± 0.002 χ^2/NDF : 51627072.2/55

All: 8.776 ± 0.002 χ^2/NDF : 102105244.2/112

- sign 8.895 ± 0.002 χ^2/NDF : 50473189.1/56

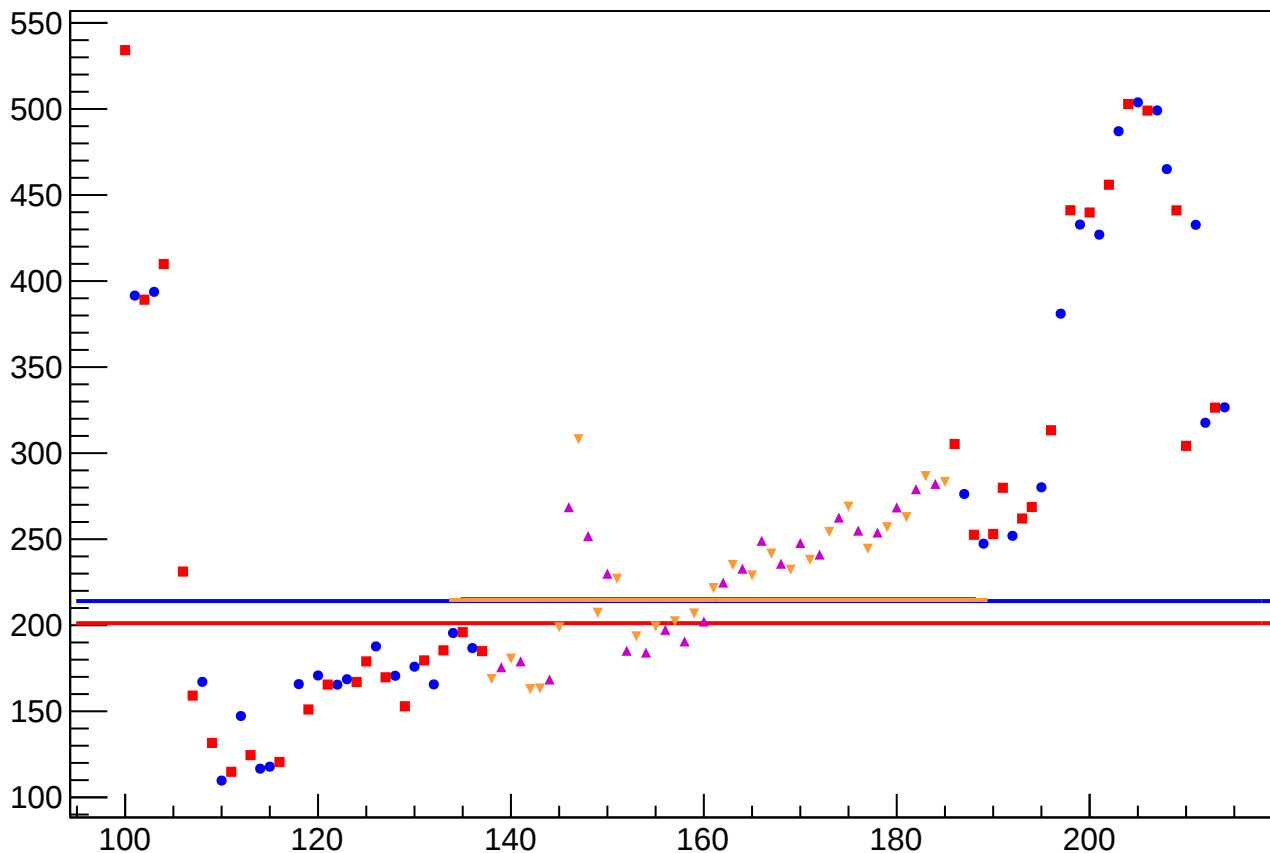
yield_bpm0l10WS_mean vs Slug



Right In: 140952.565 $\pm$ 0.059 χ^2 /NDF: 461115131.9/30
 Left Out: 139859.696 $\pm$ 0.051 χ^2 /NDF:330118281.5/24
 Right Out: 140847.722 $\pm$ 0.054 χ^2 /NDF: 529662694.7/33
 Left In: 139838.724 $\pm$ 0.053 χ^2 /NDF:279573689.3/22

+ sign 140332.334 $\pm$ 0.038 χ^2 /NDF: 989069636.3/5
 All: 140331.605 $\pm$ 0.027 χ^2 /NDF: 197644883.3/5
 - sign 140330.902 $\pm$ 0.038 χ^2 /NDF: 987378469.9/5

yield_bpm0l10WS_rms vs Slug



Right In: 214.061 $\pm$ 0.041 χ^2 /NDF: 5926750.6/30

Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF: 981105.5/24

Right Out: 201.224 $\pm$ 0.038 χ^2 /NDF: 6043330.1/33

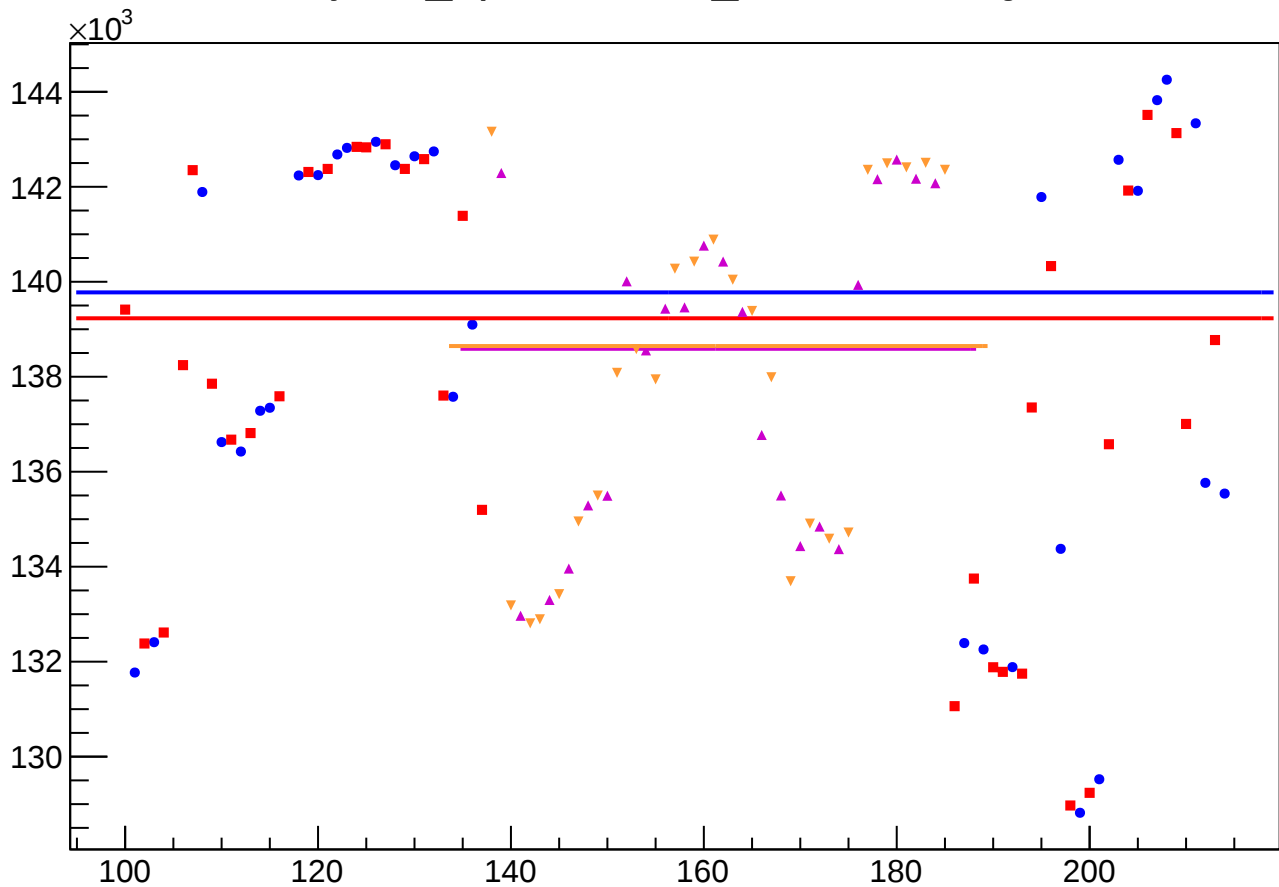
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 214.420 $\pm$ 0.027 χ^2 /NDF: 6907988.2/55

All: 211.351 $\pm$ 0.019 χ^2 /NDF: 13926795.7/13

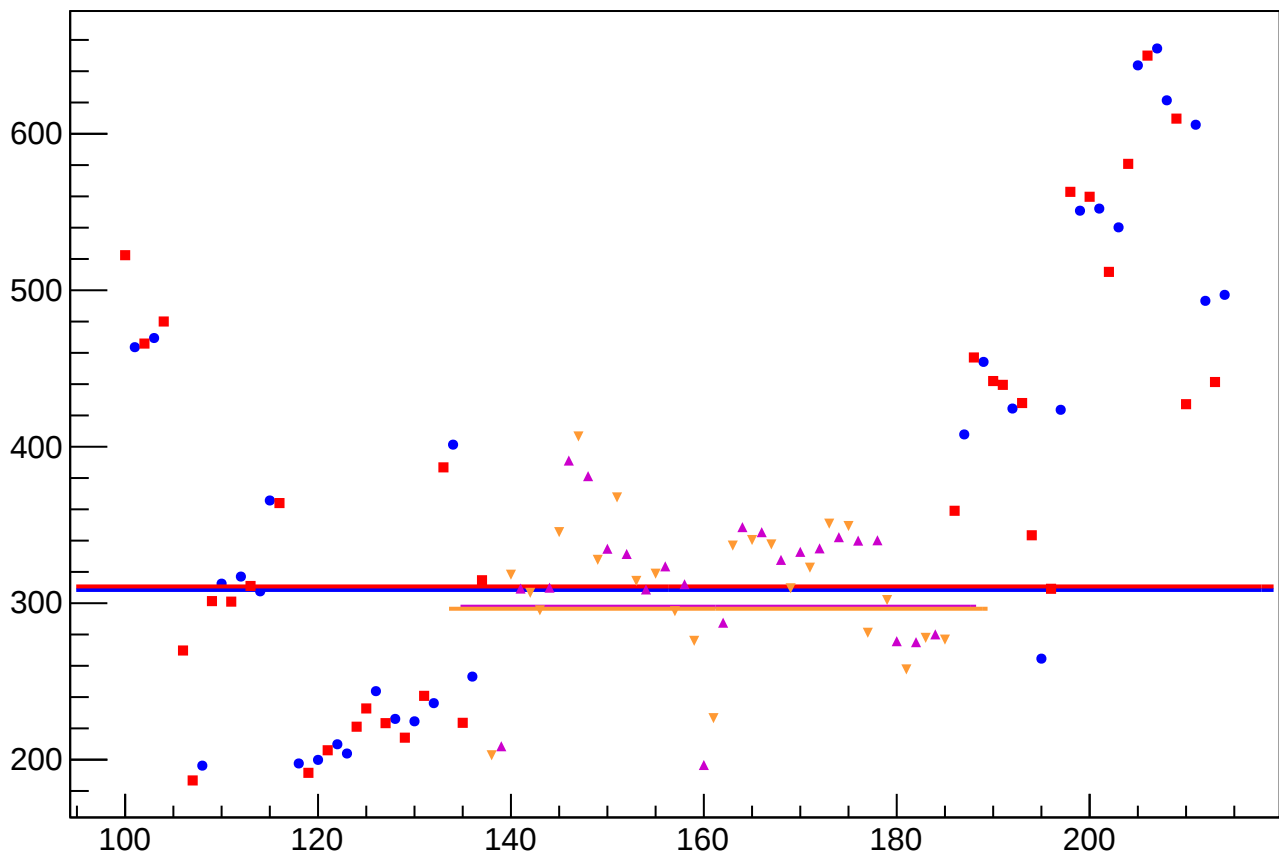
- sign 208.394 $\pm$ 0.027 χ^2 /NDF: 6993848.0/56

yield_bpm0r03WS_mean vs Slug



Right In: 139776.459 ± 0.083 χ^2/NDF : 2387176183.1/30
 Left Out: 138646.366 ± 0.071 χ^2/NDF : 2548637600.4/24
 Right Out: 139230.972 ± 0.082 χ^2/NDF : 2436174988.8/33
 Left In: 138588.711 ± 0.074 χ^2/NDF : 1948065195.1/22
 All: 139000.957 ± 0.038 χ^2/NDF : 947123757

yield_bpm0r03WS_rms vs Slug



Right In: 308.475 ± 0.059 $\chi^2/\text{NDF}: 4941381.2/30$

Left Out: 296.464 ± 0.050 $\chi^2/\text{NDF}: 893579.7/24$

Right Out: 310.714 ± 0.058 $\chi^2/\text{NDF}: 4389447.8/33$

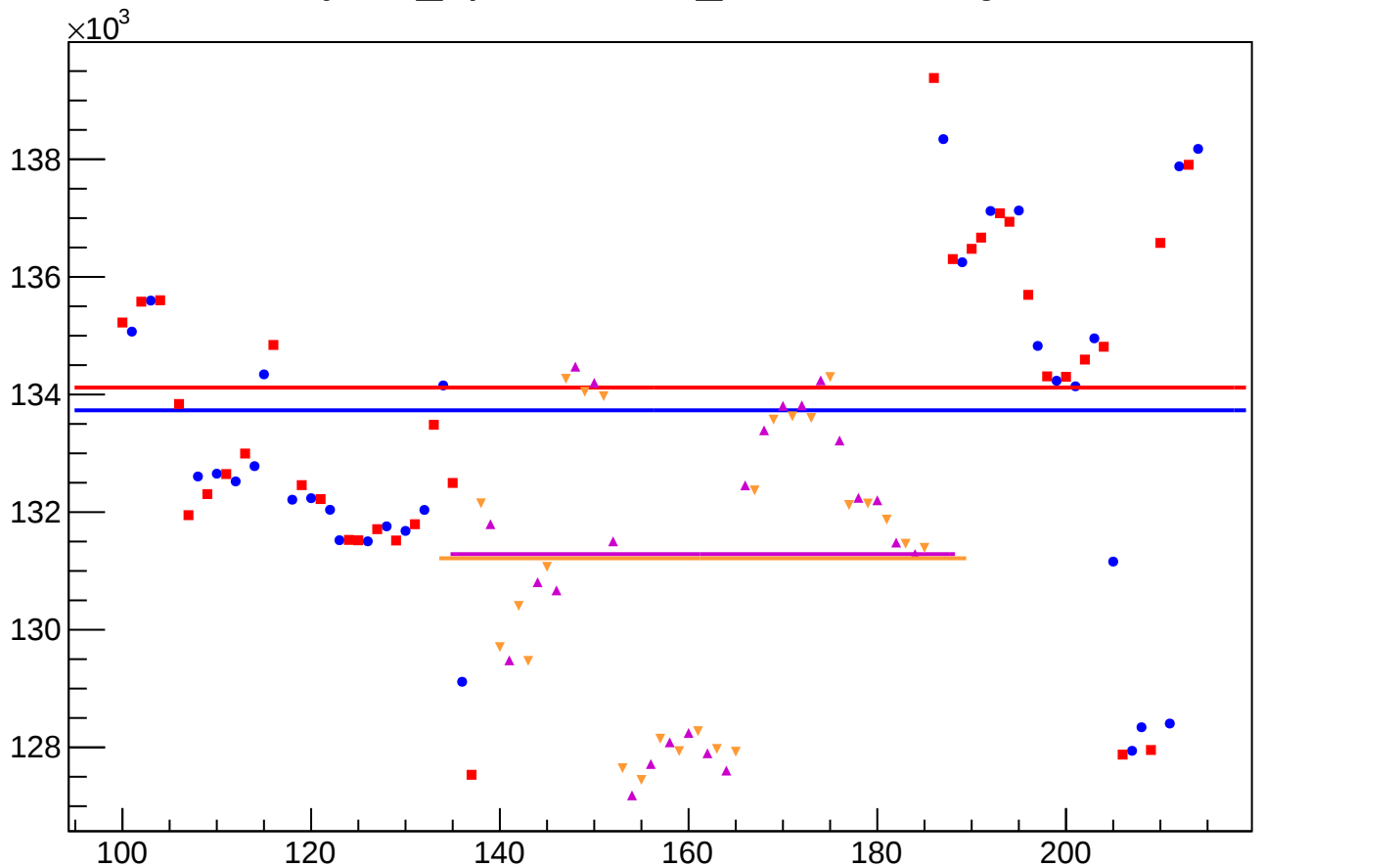
Left In: 297.774 ± 0.052 $\chi^2/\text{NDF}: 1061489.5/22$

+ sign 301.512 ± 0.038 $\chi^2/\text{NDF}: 5859116.9/55$

All: 302.538 ± 0.027 $\chi^2/\text{NDF}: 11339262.3/113$

- sign 303.591 ± 0.039 $\chi^2/\text{NDF}: 5478679.8/56$

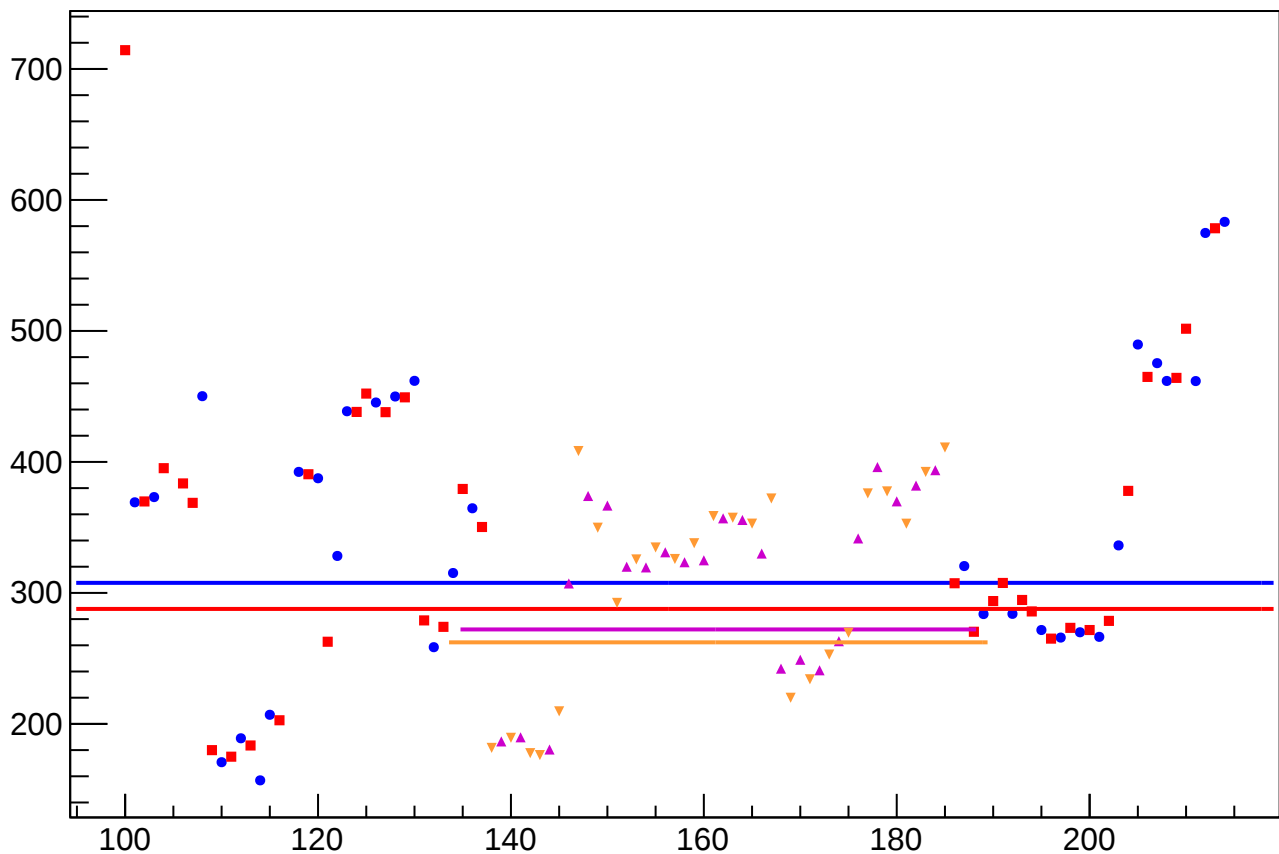
yield_bpm0r05WS_mean vs Slug



Right In: 133731.705 ± 0.080 χ^2/NDF : 1019165147.2/30
 Left Out: 131214.985 ± 0.064 χ^2/NDF : 1173424494.6/24
 Right Out: 134118.493 ± 0.074 χ^2/NDF : 1025121149.8/33
 Left In: 131285.623 ± 0.068 χ^2/NDF : 1056232192.1/22

+ sign 132204.885 ± 0.050 χ^2/NDF : 2794856679.4
 All: 132401.936 ± 0.035 χ^2/NDF : 57036805
 - sign 132598.657 ± 0.050 χ^2/NDF : 2877904211.0

yield_bpm0r05WS_rms vs Slug



Right In: 307.680 $\pm$ 0.056 χ^2 /NDF: 3126114.4/30

Left Out: 262.260 $\pm$ 0.045 χ^2 /NDF: 2818169.1/24

Right Out: 287.772 $\pm$ 0.052 χ^2 /NDF: 2941402.7/33

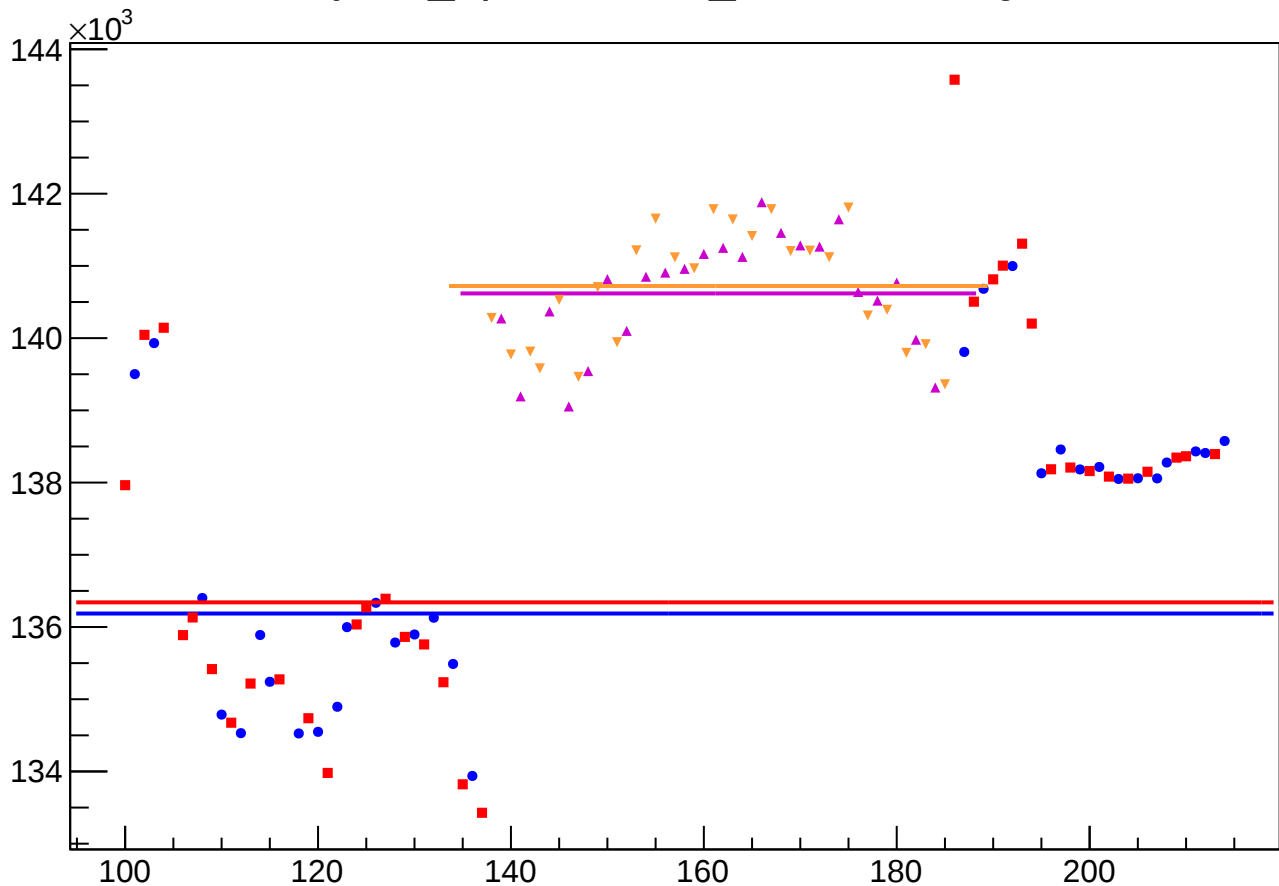
Left In: 272.115 $\pm$ 0.048 χ^2 /NDF: 2221925.0/22

+ sign 280.125 $\pm$ 0.035 χ^2 /NDF: 6336607.6/55

All: 279.748 $\pm$ 0.025 χ^2 /NDF: 11548827.8/11

- sign 279.372 $\pm$ 0.035 χ^2 /NDF: 5211994.2/56

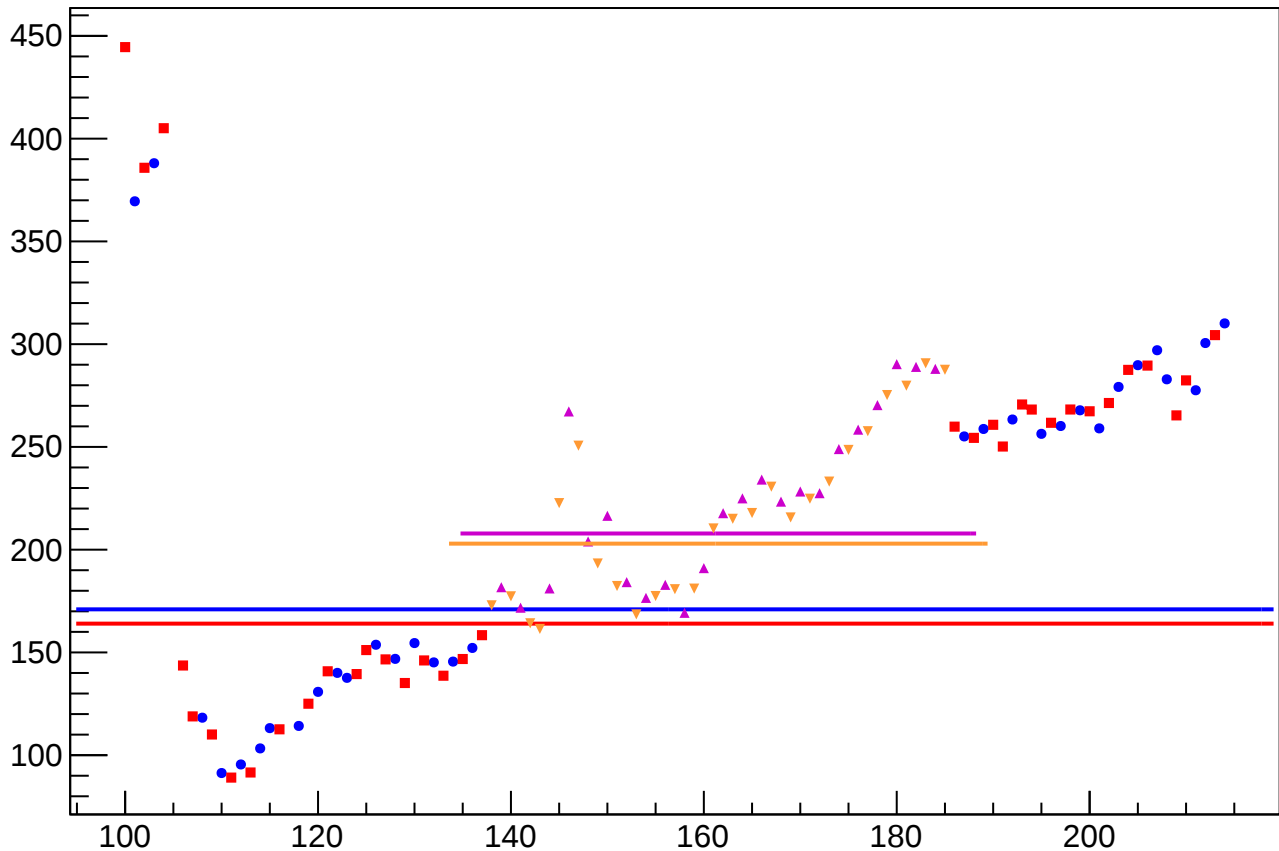
yield_bpm0i02WS_mean vs Slug



Right In: 136186.814 ± 0.046 $\chi^2/\text{NDF}: 1631347069.1/30$
 Left Out: 140721.823 ± 0.048 $\chi^2/\text{NDF}: 247257762.8/24$
 Right Out: 136341.334 ± 0.044 $\chi^2/\text{NDF}: 2210961878.6/33$
 Left In: 140619.038 ± 0.051 $\chi^2/\text{NDF}: 200370178.0/22$

+ sign 138347.423 ± 0.033 $\chi^2/\text{NDF}: 6474009584.3$
 All: 138252.257 ± 0.024 $\chi^2/\text{NDF}: 129358380$
 - sign 138157.790 ± 0.033 $\chi^2/\text{NDF}: 6445662851.6$

yield_bpm0i02WS_rms vs Slug



Right In: 170.965 $\pm$ 0.033 χ^2 /NDF: 5394630.5/30

Left Out: 202.934 $\pm$ 0.034 χ^2 /NDF:1052283.6/24

Right Out: 164.011 $\pm$ 0.031 χ^2 /NDF: 5756018.6/33

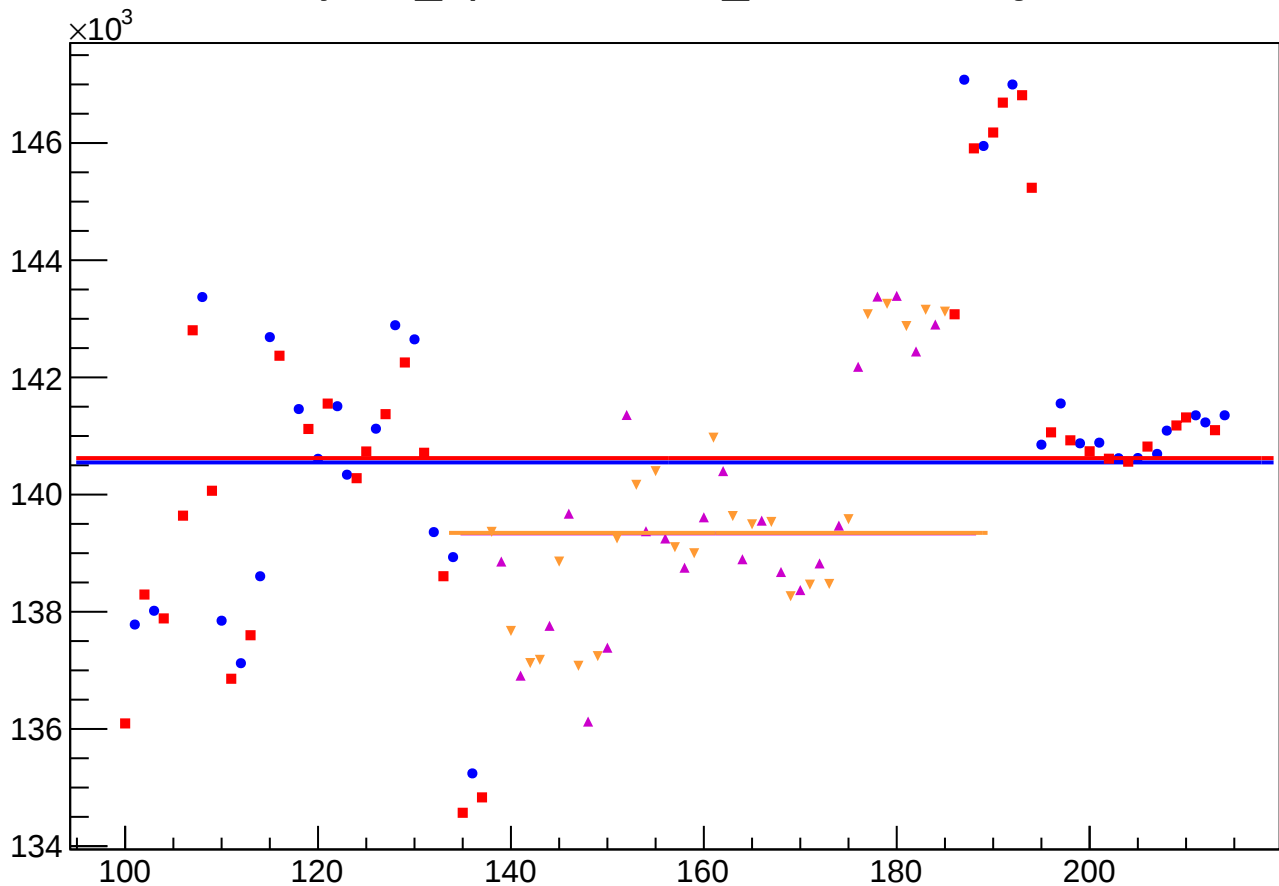
Left In: 207.872 $\pm$ 0.036 χ^2 /NDF:949200.3/22

+ sign 186.196 $\pm$ 0.024 χ^2 /NDF: 6903641.0/55

All: 184.409 $\pm$ 0.017 χ^2 /NDF: 14468510.0/1

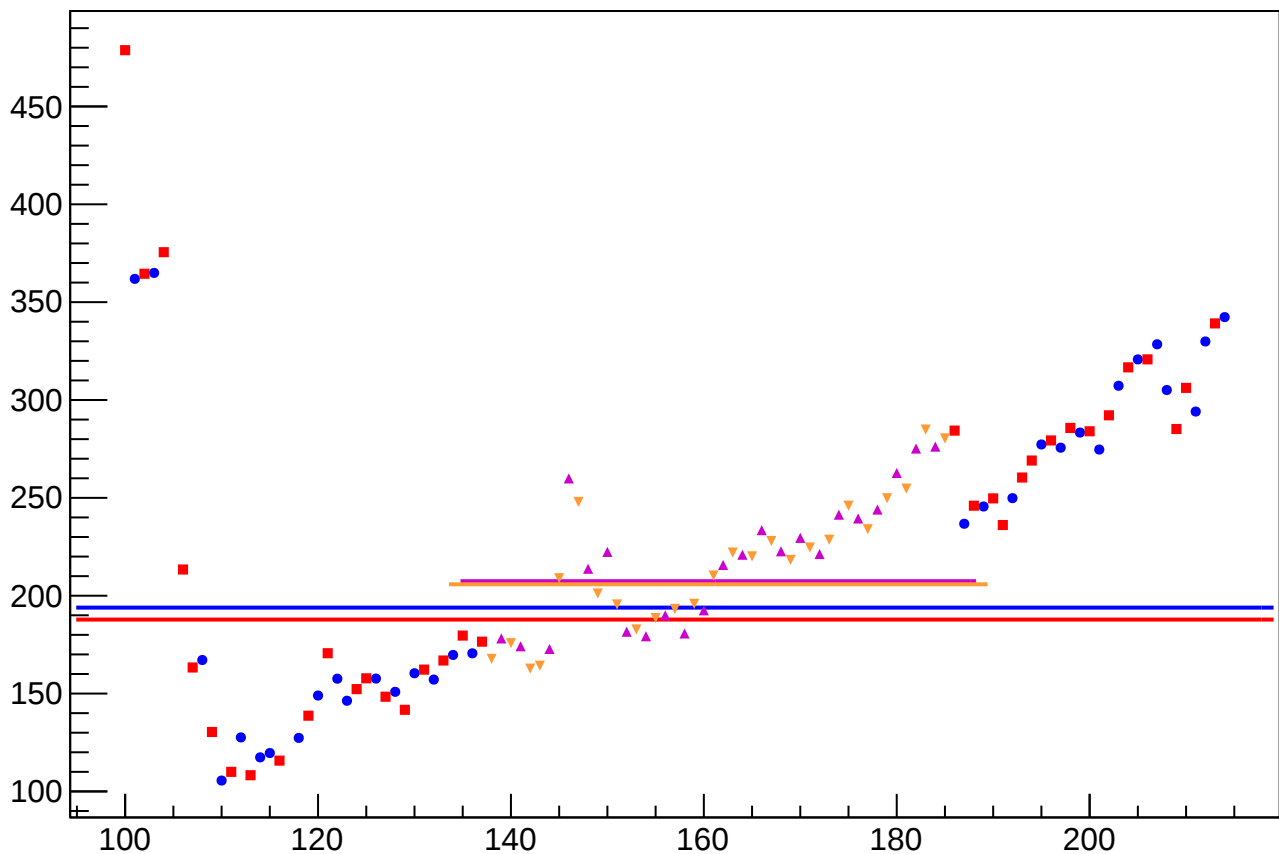
- sign 182.636 $\pm$ 0.024 χ^2 /NDF: 7553474.8/56

yield_bpm0i02aWS_mean vs Slug



Right In: 140548.905 $\pm$ 0.051 χ^2 /NDF: 2787330969.3/30
 Left Out: 139346.604 $\pm$ 0.049 χ^2 /NDF: 1271172976.7/24
 Right Out: 140622.672 $\pm$ 0.049 χ^2 /NDF: 3219879473.1/33
 Left In: 139337.874 $\pm$ 0.051 χ^2 /NDF: 1293003954.9/22
 All: 139959.569 $\pm$ 0.025 χ^2 /NDF: 919024410
 + sign 139918.087 $\pm$ 0.035 χ^2 /NDF: 4345081529.3
 - sign 140000.820 $\pm$ 0.035 χ^2 /NDF: 4842434392.4

yield_bpm0i02aWS_rms vs Slug



Right In: 193.923+/-0.036 χ^2/NDF : 4350902.8/30

Left Out: 205.833+/-0.035 χ^2/NDF : 738666.4/24

Right Out: 187.813+/-0.035 χ^2/NDF : 4581822.6/33

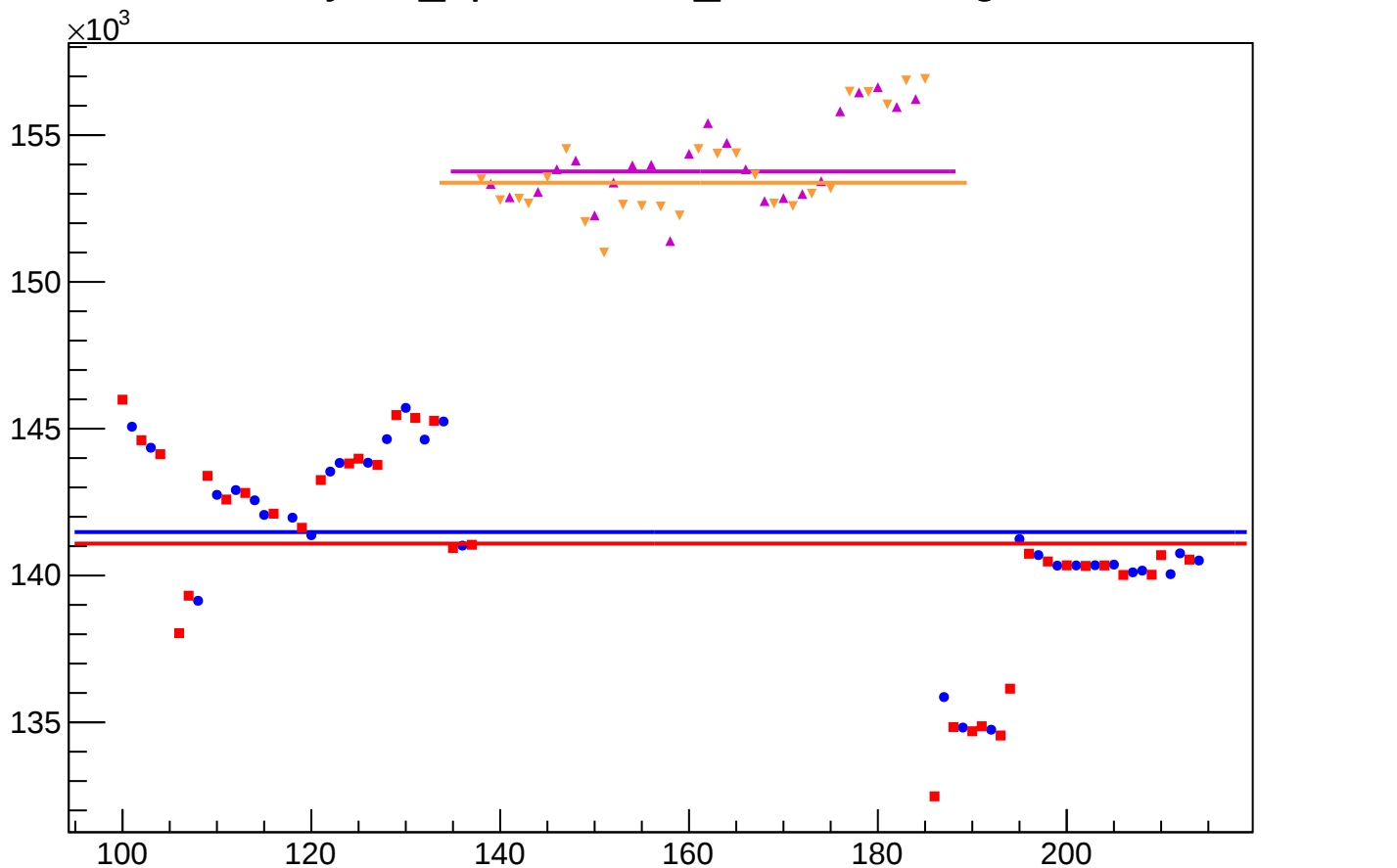
Left In: 207.416+/-0.036 χ^2/NDF : 701955.3/22

+ sign 200.172+/-0.025 χ^2/NDF : 5145812.3/55

All: 198.732+/-0.018 χ^2/NDF : 10589597.5/1

- sign 197.301+/-0.025 χ^2/NDF : 5437216.6/56

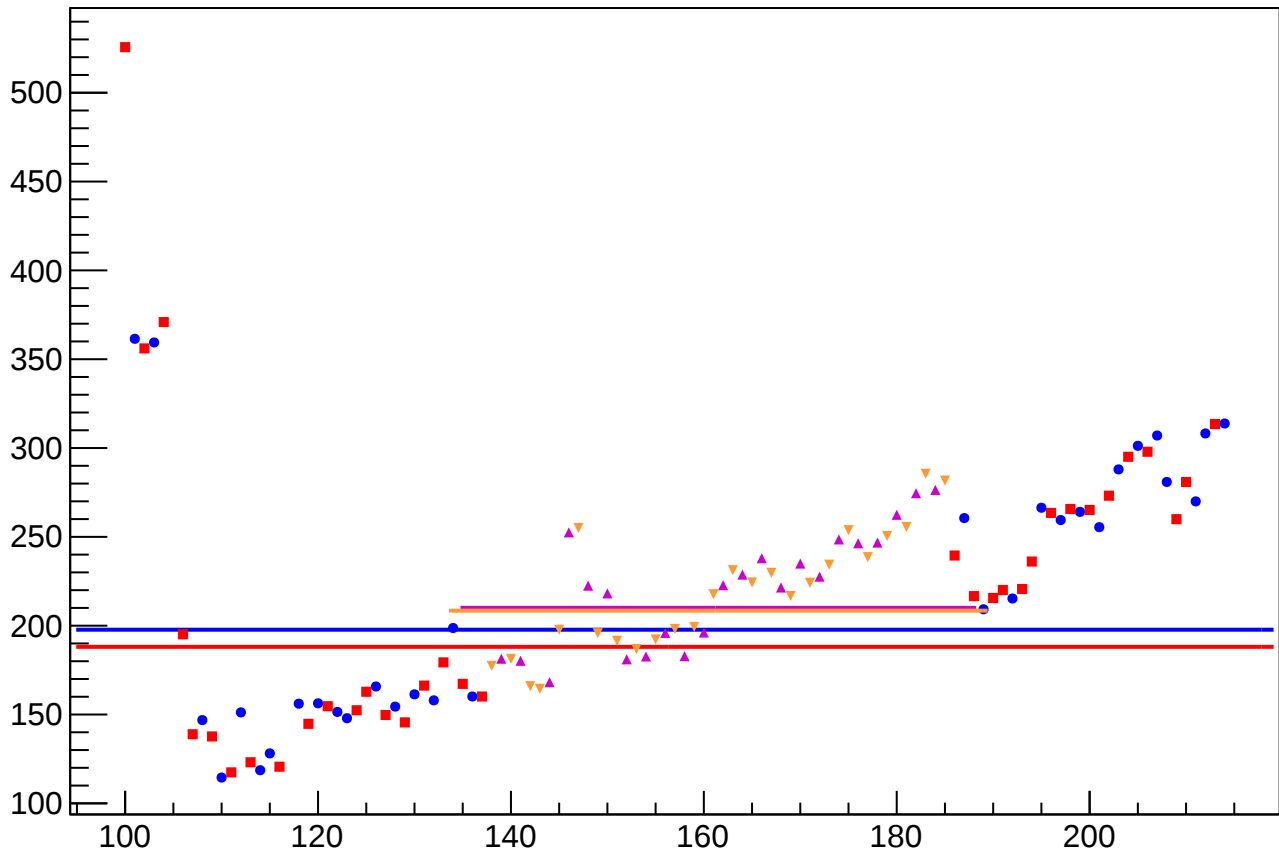
yield_bpm0i05WS_mean vs Slug



Right In: 141480.541 $\pm$ 0.051 χ^2 /NDF: 2742918412.2/30
 Left Out: 153376.698 $\pm$ 0.050 χ^2 /NDF: 803848095.1/24
 Right Out: 141089.196 $\pm$ 0.048 χ^2 /NDF: 4446543845.8/33
 Left In: 153762.419 $\pm$ 0.051 χ^2 /NDF: 635075685.0/22

+ sign 147654.801 $\pm$ 0.036 χ^2 /NDF: 31286904562.
 All: 147340.139 $\pm$ 0.025 χ^2 /NDF: 687421097.
 - sign 147033.415 $\pm$ 0.035 χ^2 /NDF: 37301676537.2

yield_bpm0i05WS_rms vs Slug



Right In: 197.737 $\pm$ 0.036 χ^2 /NDF: 3200061.4/30

Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24

Right Out: 188.099 $\pm$ 0.034 χ^2 /NDF: 3376559.8/33

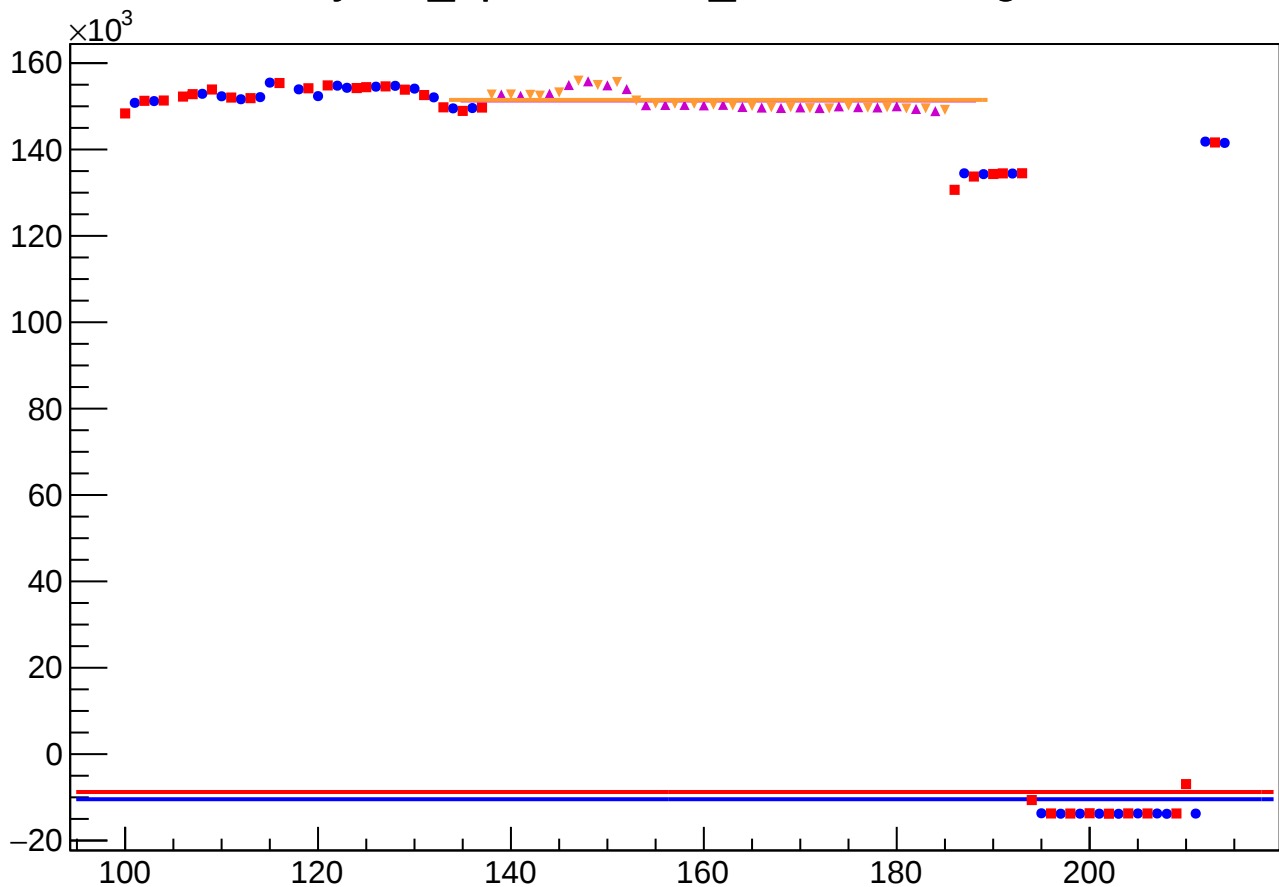
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 203.305 $\pm$ 0.025 χ^2 /NDF: 3966081.5/55

All: 200.816 $\pm$ 0.018 χ^2 /NDF: 8257338.2/112

- sign 198.389 $\pm$ 0.025 χ^2 /NDF: 4272036.3/56

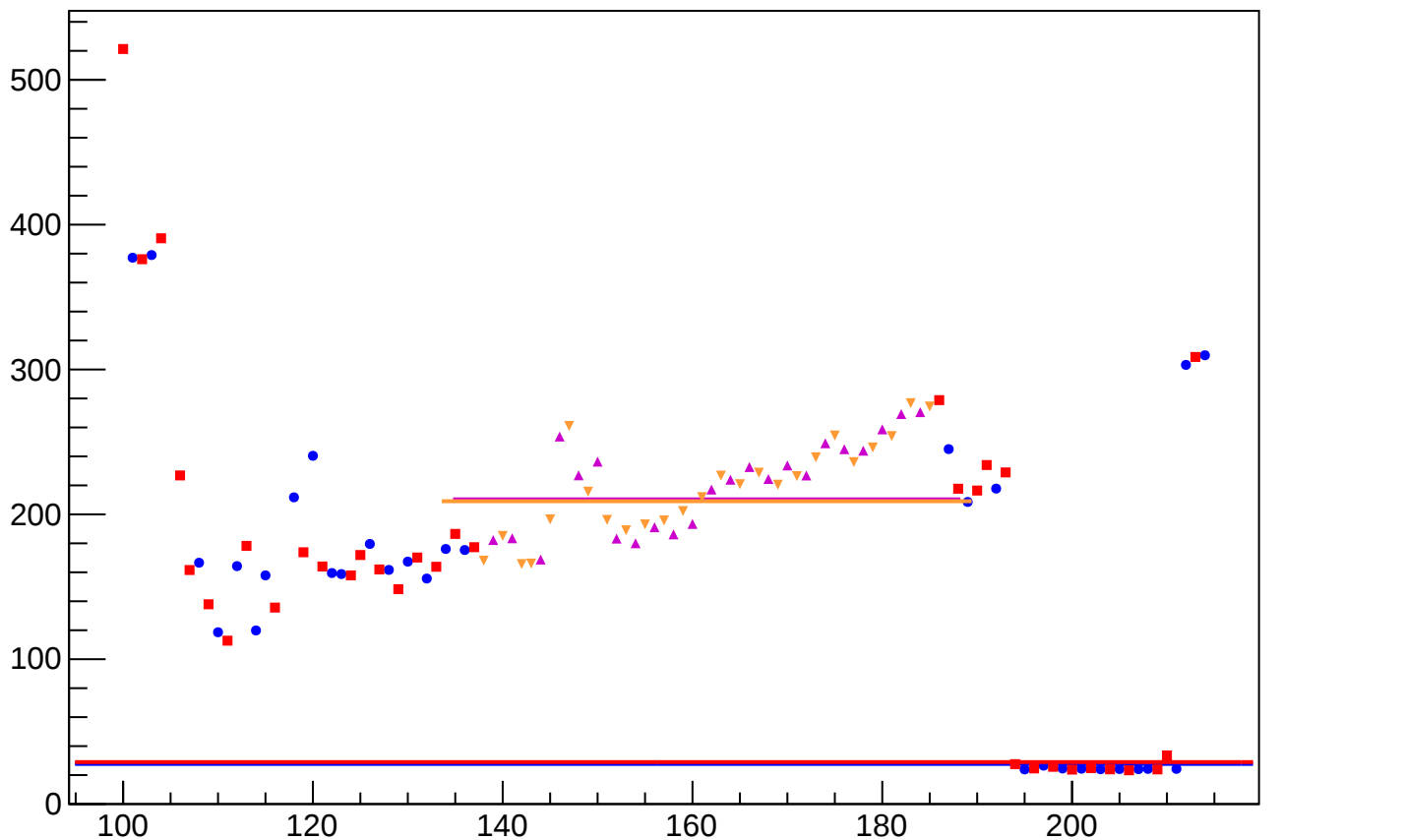
yield_bpm0i07WS_mean vs Slug



Right In: -10439.536 ± 0.009 $\chi^2/\text{NDF}: 6267057423939.1/30$
 Left Out: 151483.385 ± 0.050 $\chi^2/\text{NDF}: 1481910066.9/24$
 Right Out: -8768.053 ± 0.010 $\chi^2/\text{NDF}: 7342348480079.0/33$
 Left In: 151363.165 ± 0.051 $\chi^2/\text{NDF}: 1421662089.0/22$

+ sign -5016.650 ± 0.009 $\chi^2/\text{NDF}: 1660135812903$
 All: -4033.342 ± 0.007 $\chi^2/\text{NDF}: 3331853473$
 - sign -2867.888 ± 0.010 $\chi^2/\text{NDF}: 16691451833525$

yield_bpm0i07WS_rms vs Slug



Right In: 27.729 $\pm$ 0.007 χ^2 /NDF: 14062499.9/30

Left Out: 209.076 $\pm$ 0.035 χ^2 /NDF: 708260.3/24

Right Out: 28.978 $\pm$ 0.007 χ^2 /NDF: 14752203.8/33

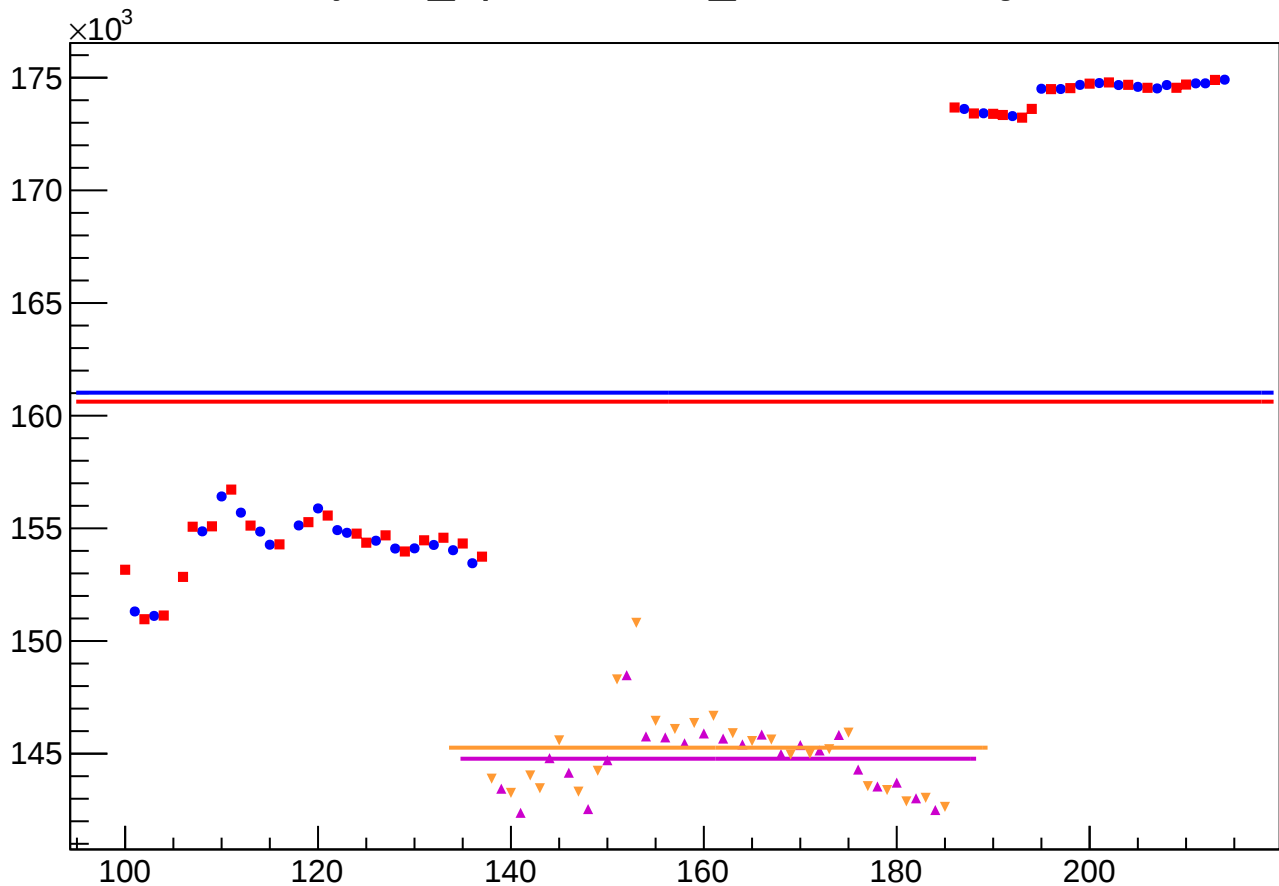
Left In: 210.345 $\pm$ 0.036 χ^2 /NDF: 677747.7/22

+ sign 33.803 $\pm$ 0.006 χ^2 /NDF: 40691751.4/55

All: 34.653 $\pm$ 0.005 χ^2 /NDF: 80142784.5/112

- sign 35.661 $\pm$ 0.007 χ^2 /NDF: 39412555.4/56

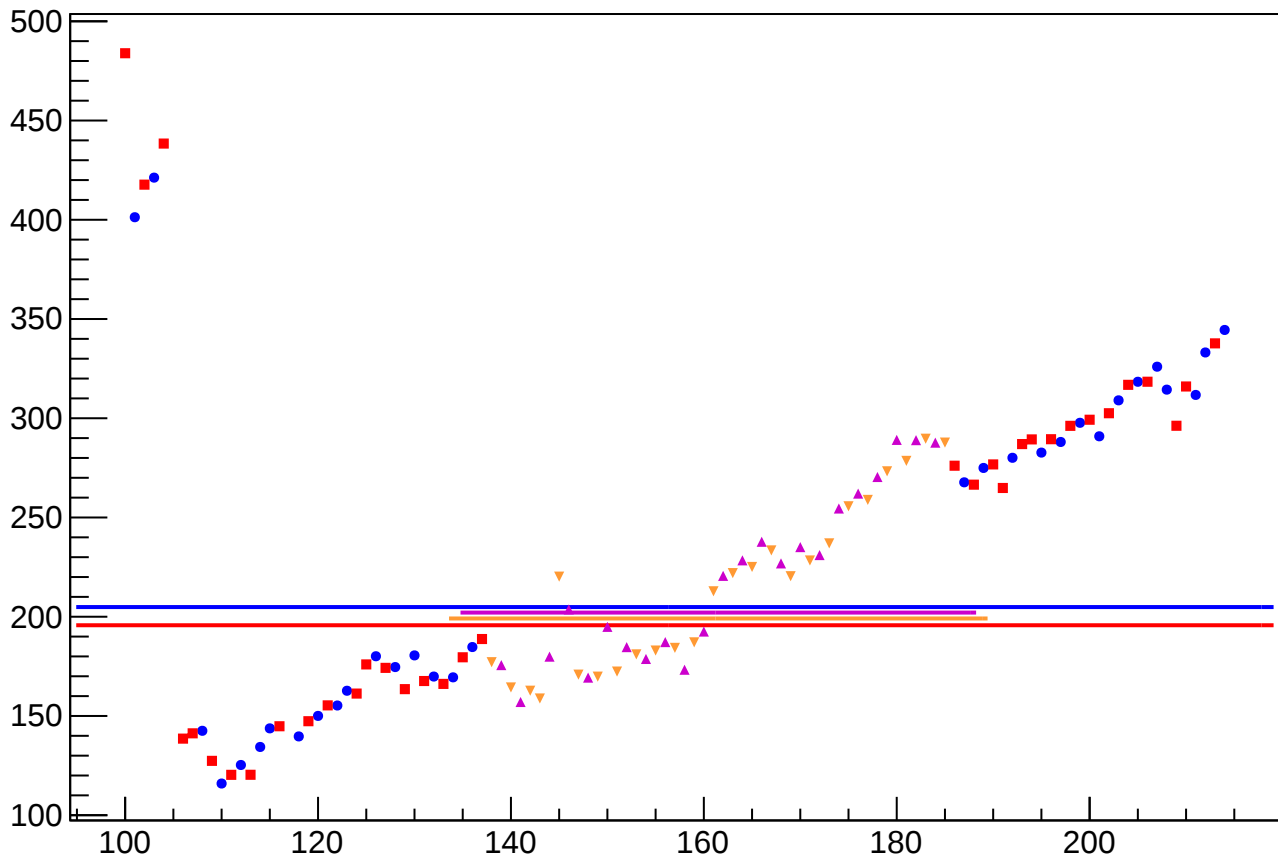
yield_bpm1i02WS_mean vs Slug



Right In: 161021.626 ± 0.054 $\chi^2/\text{NDF}: 28859890691.7/30$
 Left Out: 145266.717 ± 0.047 $\chi^2/\text{NDF}: 1717707352.7/24$
 Right Out: 160622.430 ± 0.051 $\chi^2/\text{NDF}: 30611410883.4/33$
 Left In: 144776.016 ± 0.050 $\chi^2/\text{NDF}: 918120275.4/22$

+ sign 152109.872 ± 0.036 $\chi^2/\text{NDF}: 78576480569.6/24$
 All: 152294.148 ± 0.025 $\chi^2/\text{NDF}: 159845190.6/24$
 - sign 152477.256 ± 0.036 $\chi^2/\text{NDF}: 81215424953.6/24$

yield_bpm1i02WS_rms vs Slug



Right In: 204.871+/-0.038 χ^2/NDF : 4252924.6/30

Left Out: 199.118+/-0.034 χ^2/NDF : 1152231.0/24

Right Out: 195.707+/-0.036 χ^2/NDF : 4541813.9/33

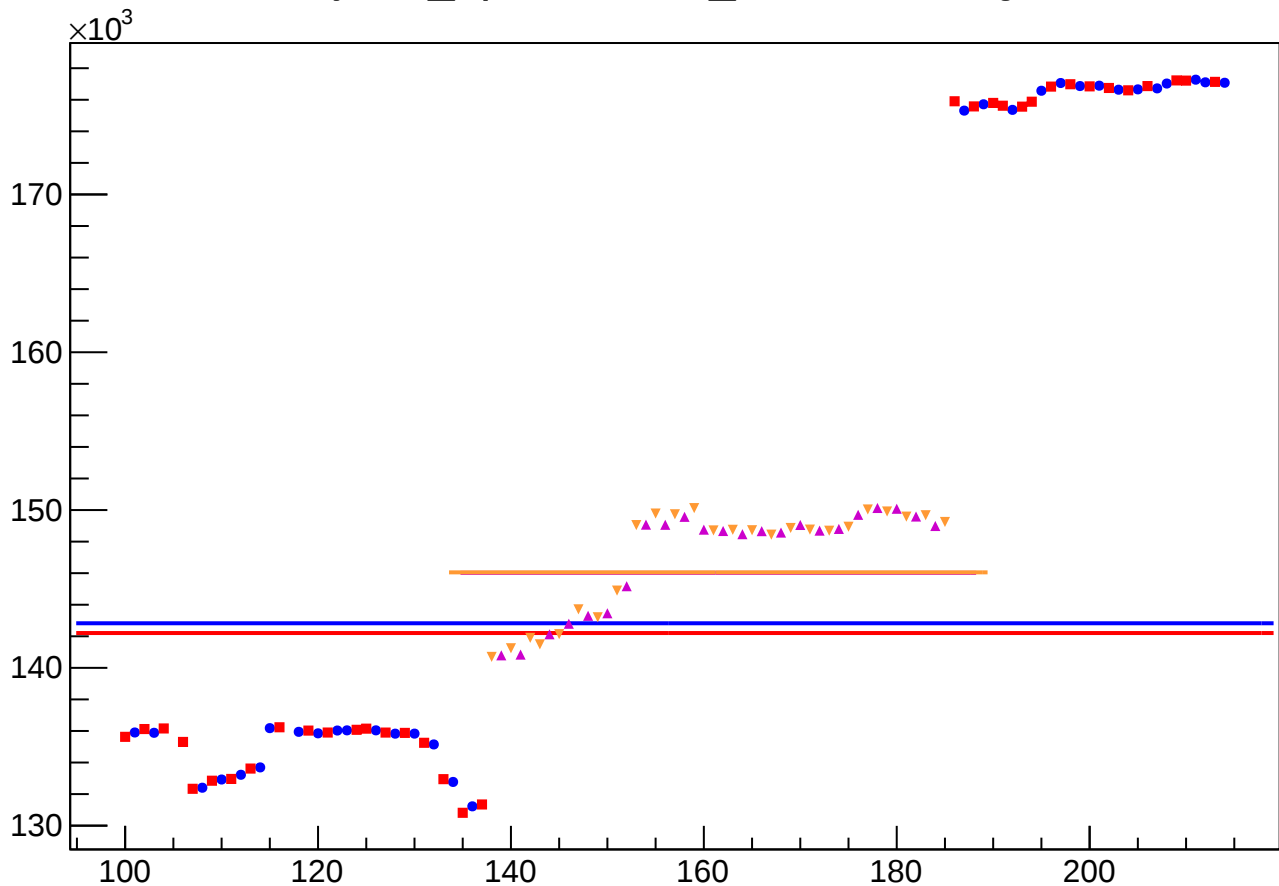
Left In: 202.090+/-0.035 χ^2/NDF : 1057833.2/22

+ sign 201.617+/-0.025 χ^2/NDF : 5417954.6/55

All: 200.298+/-0.018 χ^2/NDF : 11039178.7/11

- sign 198.988+/-0.025 χ^2/NDF : 5615769.0/56

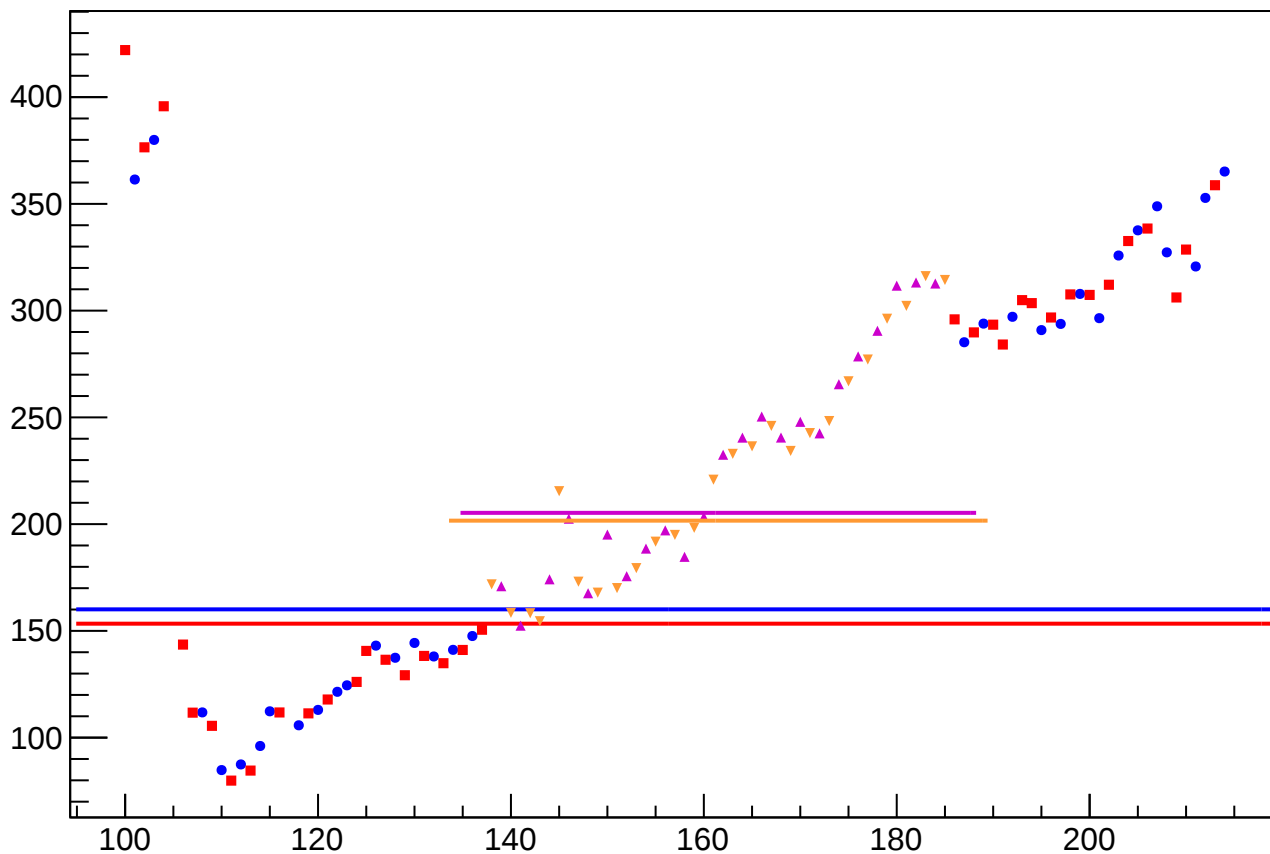
yield_bpm1i04WS_mean vs Slug



Right In: 142825.468 ± 0.045 χ^2/NDF : 143328920583.0/30
 Left Out: 146051.733 ± 0.048 χ^2/NDF : 5403300123.1/24
 Right Out: 142206.401 ± 0.043 χ^2/NDF : 152694275322.5/33
 Left In: 146020.015 ± 0.051 χ^2/NDF : 4591425371.4/22

+ sign 144325.770 ± 0.033 χ^2/NDF : 151118721417
 All: 144054.849 ± 0.023 χ^2/NDF : 311854596
 - sign 143789.001 ± 0.033 χ^2/NDF : 160601851647

yield_bpm1i04WS_rms vs Slug



Right In: 160.085+/-0.032 χ^2/NDF : 7625008.9/30

Left Out: 201.632+/-0.034 χ^2/NDF :1589564.0/24

Right Out: 153.373+/-0.030 χ^2/NDF : 7992519.2/33

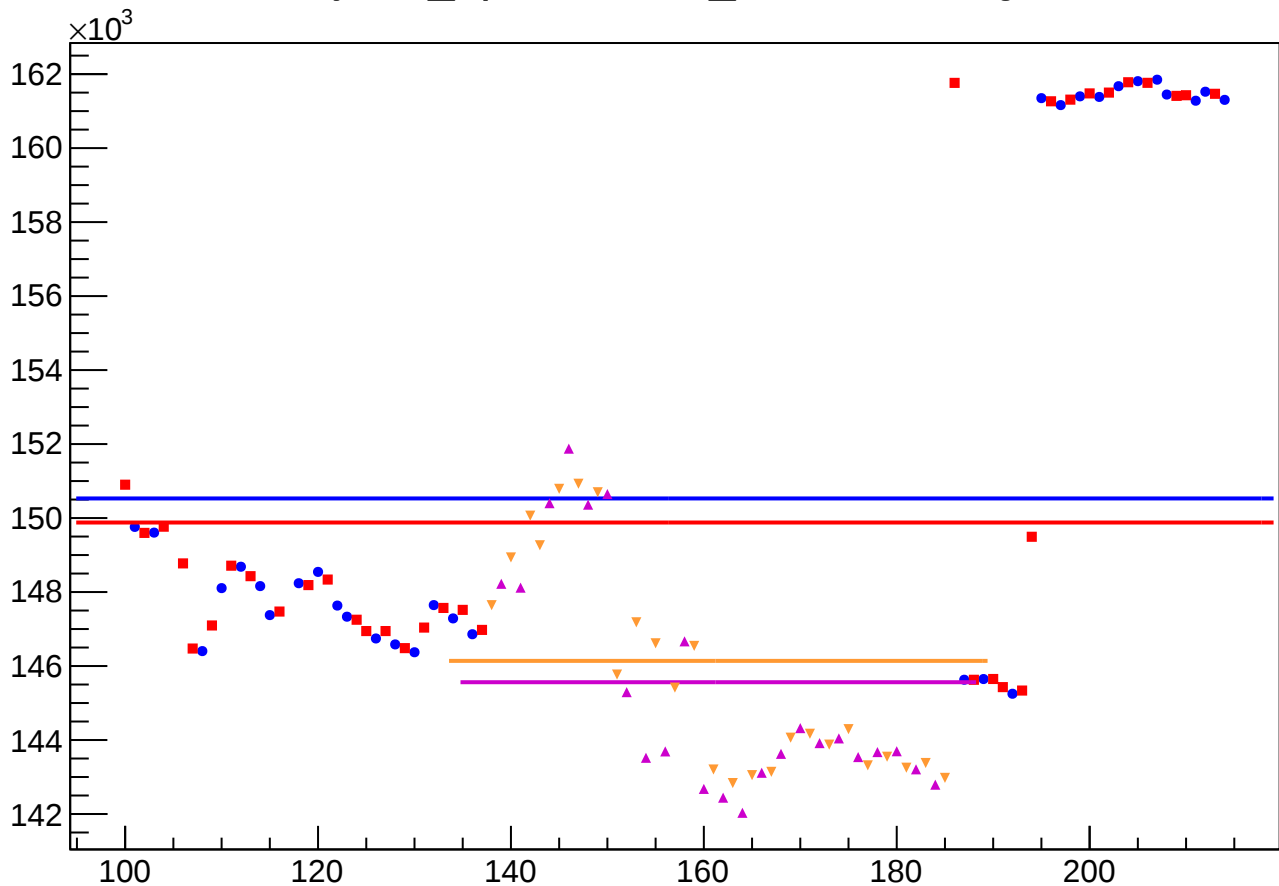
Left In: 205.286+/-0.036 χ^2/NDF :1425292.7/22

+ sign 179.405+/-0.023 χ^2/NDF : 10006099.2/55

All: 177.140+/-0.016 χ^2/NDF : 20671628.9/1

- sign 174.917+/-0.023 χ^2/NDF : 10646785.0/56

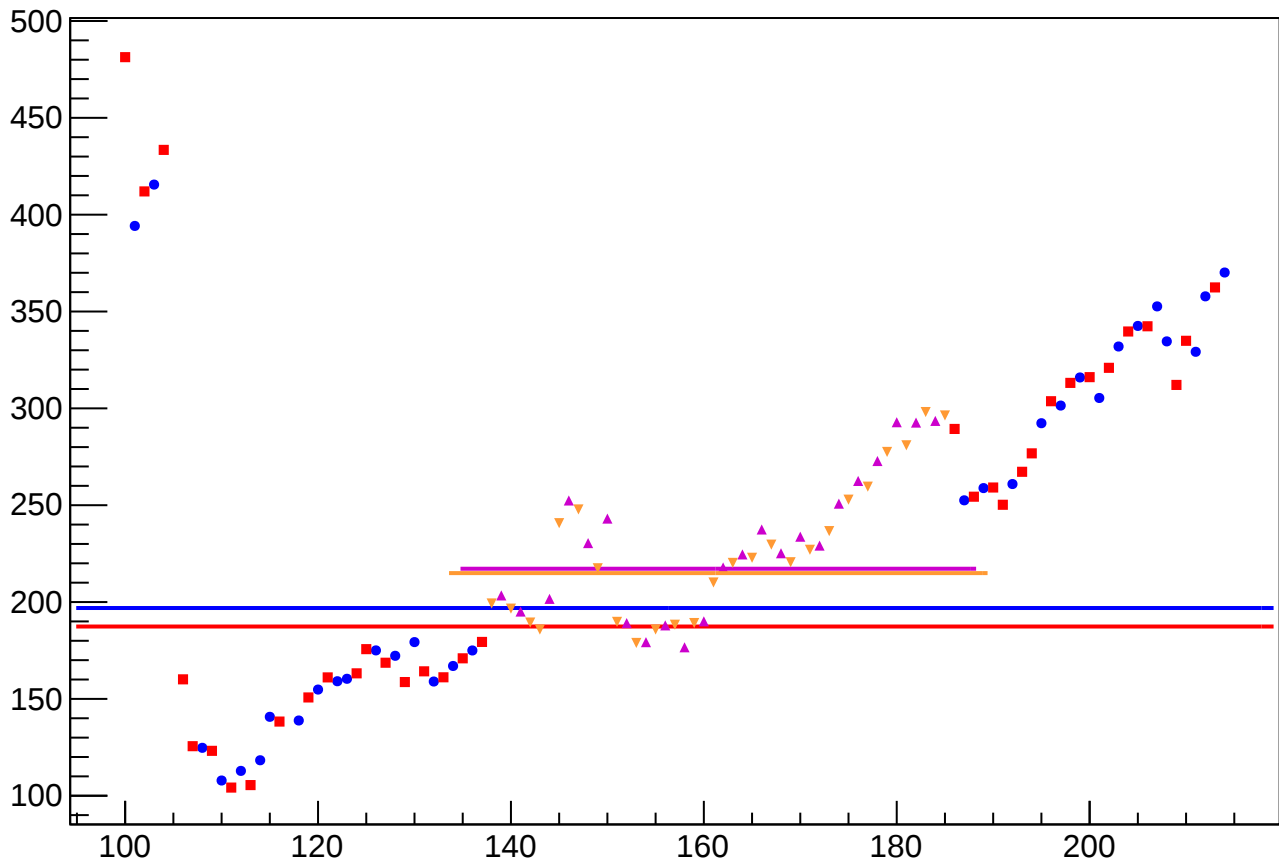
yield_bpm1i06WS_mean vs Slug



Right In: 150529.832 ± 0.053 $\chi^2/\text{NDF}: 12365214074.9/30$
 Left Out: 146139.326 ± 0.051 $\chi^2/\text{NDF}: 2699546907.6/24$
 Right Out: 149879.342 ± 0.050 $\chi^2/\text{NDF}: 11327491454.3/33$
 Left In: 145562.386 ± 0.053 $\chi^2/\text{NDF}: 3054641996.0/22$

+ sign 148248.401 ± 0.037 $\chi^2/\text{NDF}: 18638126256.0/22$
 All: 148053.415 ± 0.026 $\chi^2/\text{NDF}: 366025970.0/22$
 - sign 147862.937 ± 0.036 $\chi^2/\text{NDF}: 17908654739.5/22$

yield_bpm1i06WS_rms vs Slug



Right In: 196.924 $\pm$ 0.037 χ^2 /NDF: 5235865.8/30

Left Out: 214.945 $\pm$ 0.036 χ^2 /NDF: 728515.5/24

Right Out: 187.368 $\pm$ 0.035 χ^2 /NDF: 5481134.2/33

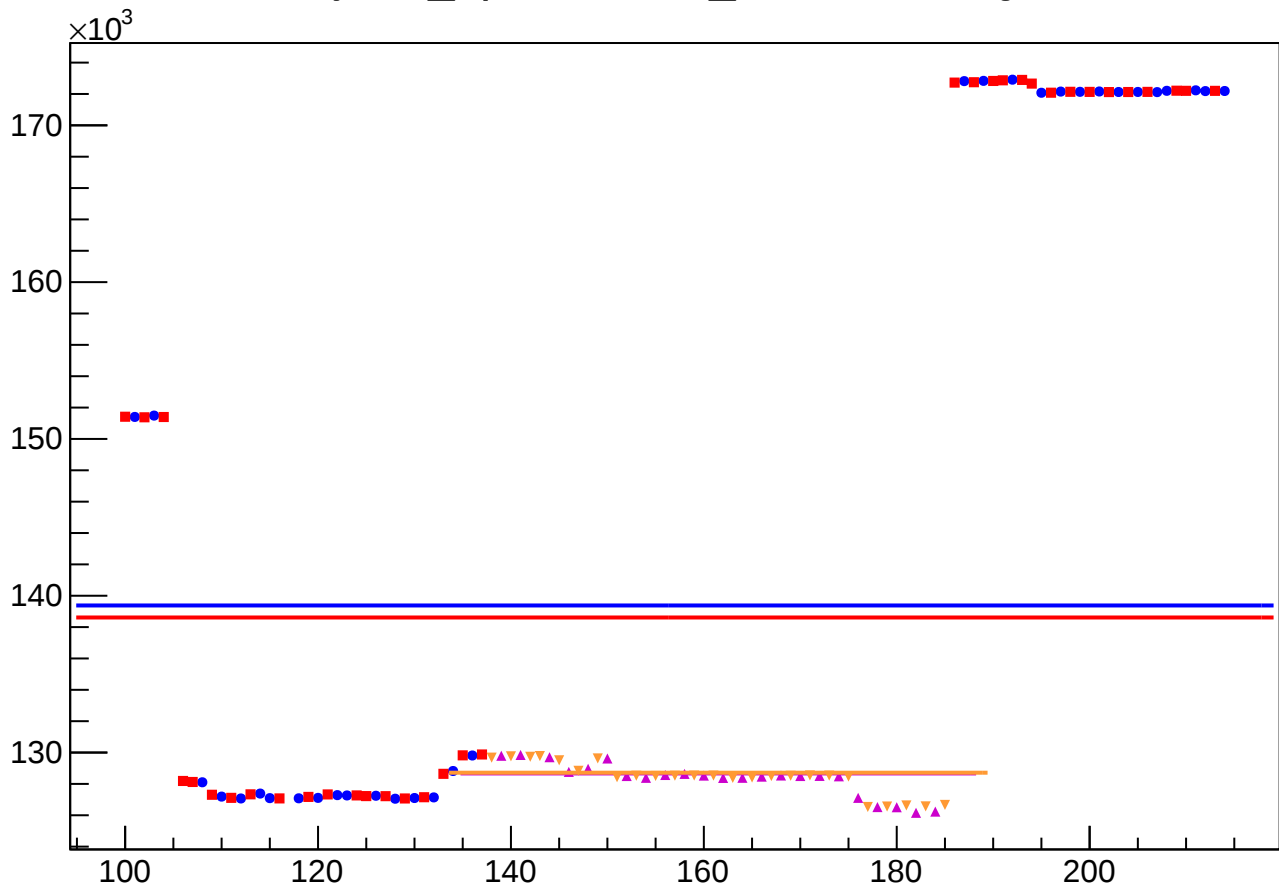
Left In: 217.203 $\pm$ 0.038 χ^2 /NDF: 764798.3/22

+ sign 206.288 $\pm$ 0.026 χ^2 /NDF: 6084785.6/55

All: 203.767 $\pm$ 0.018 χ^2 /NDF: 12686276.4/11

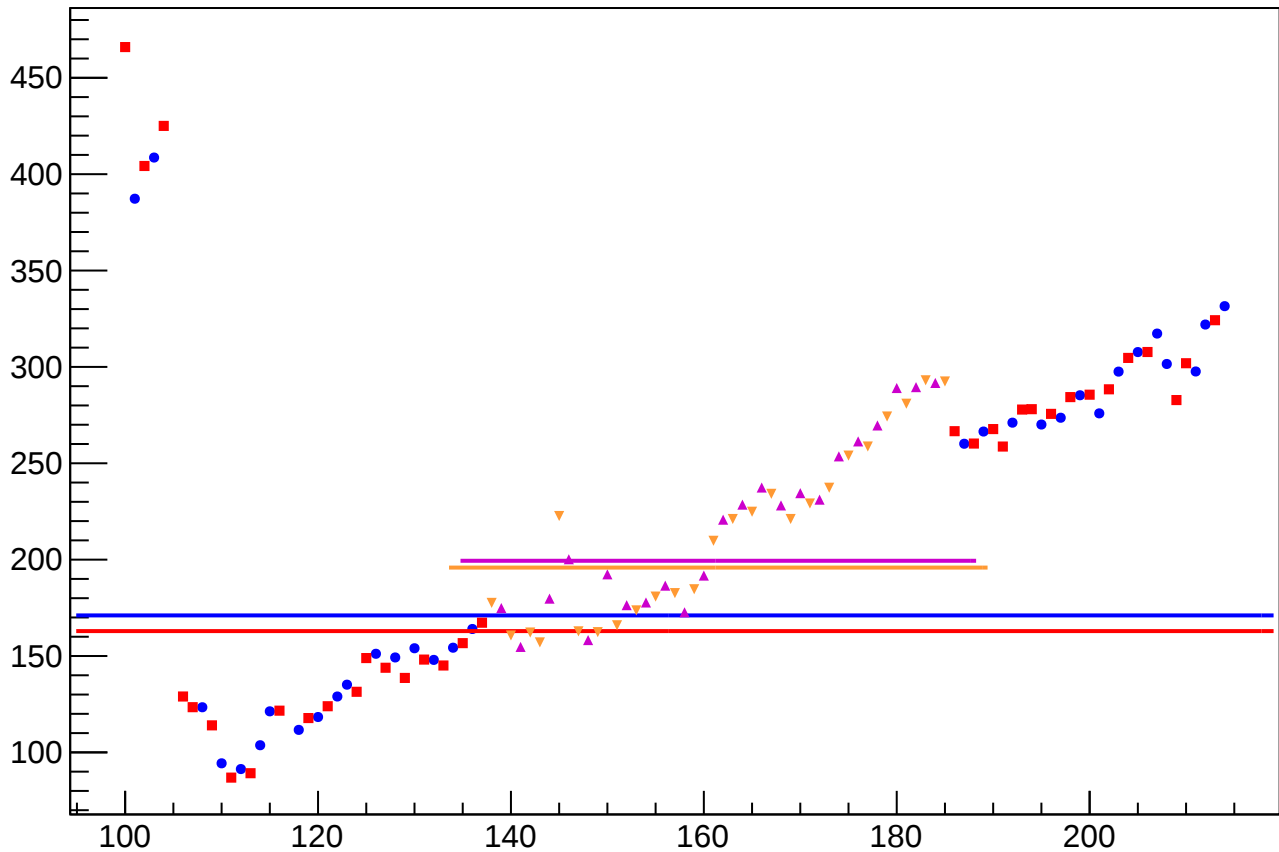
- sign 201.304 $\pm$ 0.026 χ^2 /NDF: 6582824.1/56

yield_bpm2i01WS_mean vs Slug



Right In: 139379.694 $\pm$ 0.047 χ^2 /NDF: 175590108362.4/30
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF:348178101.1/24
 Right Out: 138612.911 $\pm$ 0.044 χ^2 /NDF: 190785621153.4/33
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF:333059477.6/22
 + sign 134042.647 $\pm$ 0.033 χ^2 /NDF: 201996597319
 All: 134112.588 $\pm$ 0.023 χ^2 /NDF: 415972864
 - sign 134181.136 $\pm$ 0.033 χ^2 /NDF: 213967390872

yield_bpm2i01WS_rms vs Slug



Right In: 171.064 $\pm$ 0.033 χ^2 /NDF: 6100724.3/30

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 162.929 $\pm$ 0.031 χ^2 /NDF: 6445843.5/33

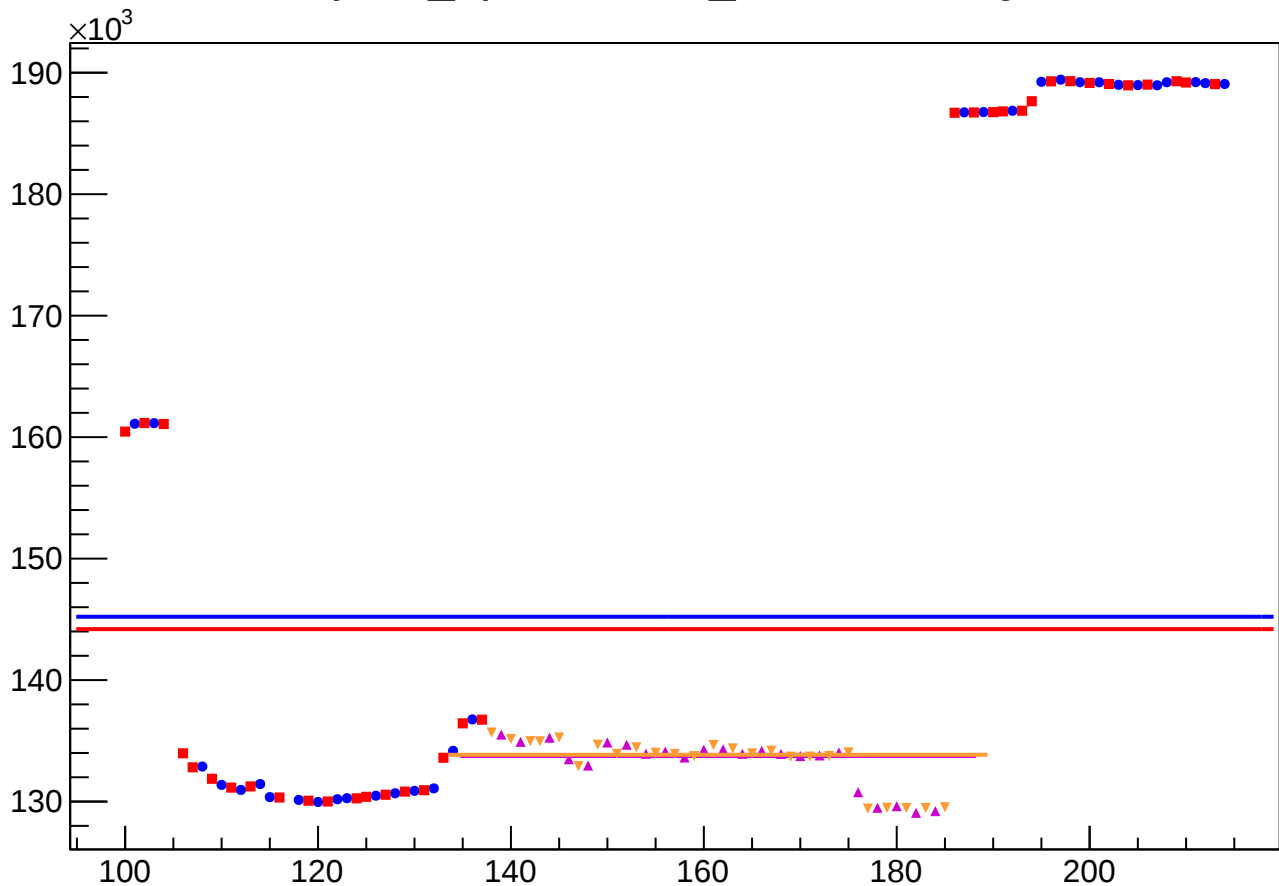
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 183.484 $\pm$ 0.023 χ^2 /NDF: 7696307.7/55

All: 181.313 $\pm$ 0.016 χ^2 /NDF: 15939850.6/1

- sign 179.186 $\pm$ 0.023 χ^2 /NDF: 8226448.6/56

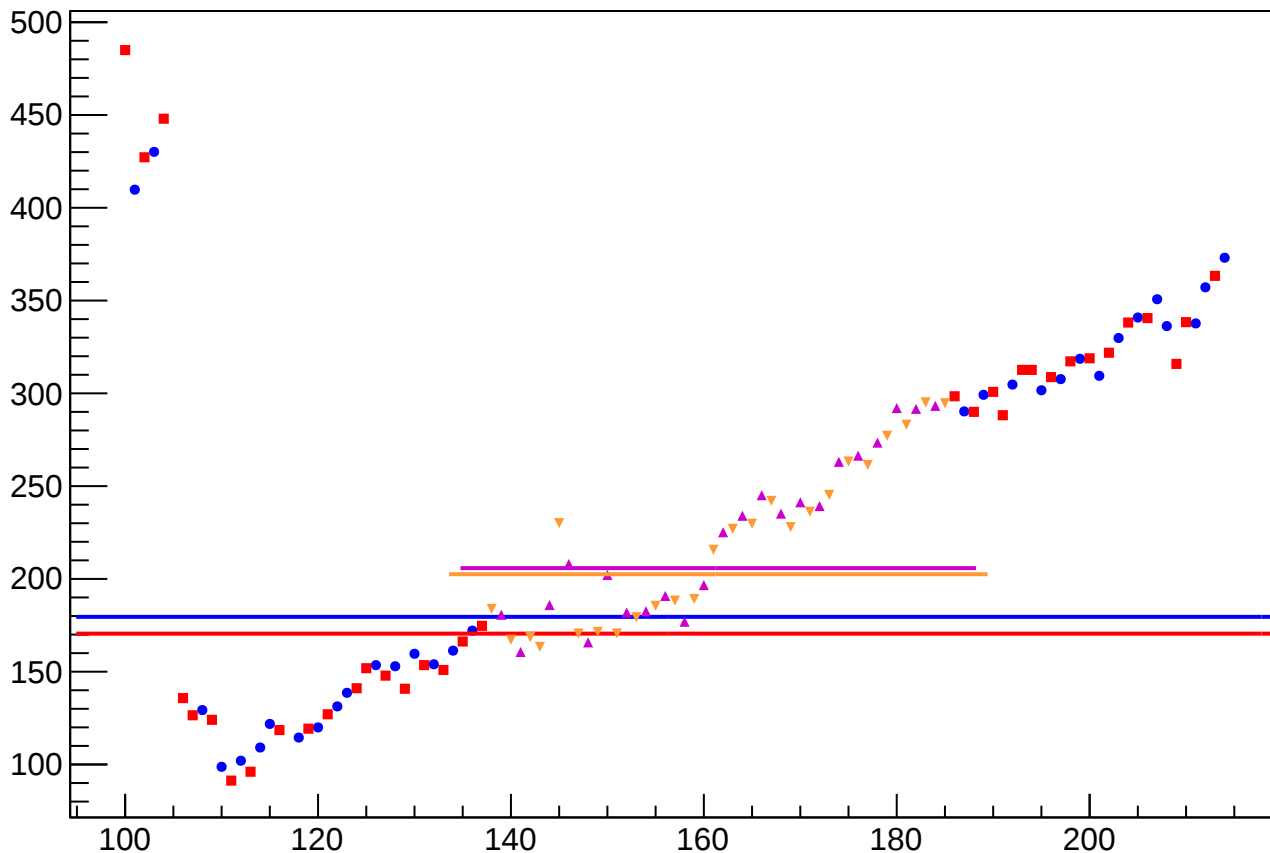
yield_bpm2i02WS_mean vs Slug



Right In: 145214.380 $\pm$ 0.050 χ^2 /NDF: 238818596863.4/30
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 144194.974 $\pm$ 0.047 χ^2 /NDF: 253957296400.0/33
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22

+ sign 139369.815 $\pm$ 0.035 χ^2 /NDF: 266871866067
 All: 139385.780 $\pm$ 0.024 χ^2 /NDF: 544919208
 - sign 139401.414 $\pm$ 0.034 χ^2 /NDF: 278046920490

yield_bpm2i02WS_rms vs Slug



Right In: 179.552 $\pm$ 0.035 χ^2 /NDF: 6707755.0/30

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF:1211991.5/24

Right Out: 170.510 $\pm$ 0.033 χ^2 /NDF: 7100442.0/33

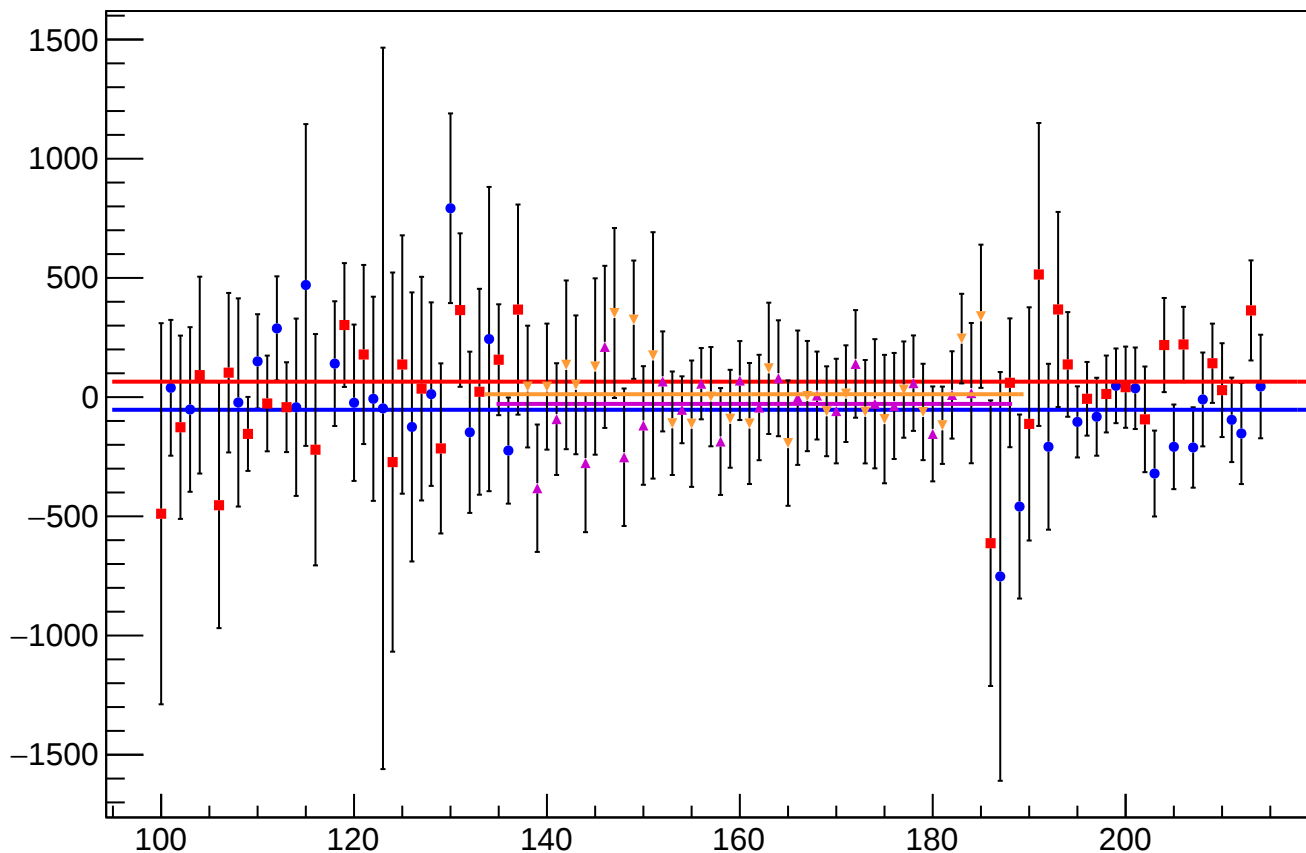
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 191.369 $\pm$ 0.024 χ^2 /NDF: 8140255.5/55

All: 189.014 $\pm$ 0.017 χ^2 /NDF: 16881761.6/11

- sign 186.709 $\pm$ 0.024 χ^2 /NDF: 8723160.1/56

asym_bcm_an_ds_mean vs Slug



Right In: -53.095 ± 43.363 χ^2/NDF : 17.4/30

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 64.854 ± 43.068 χ^2/NDF : 15.1/33

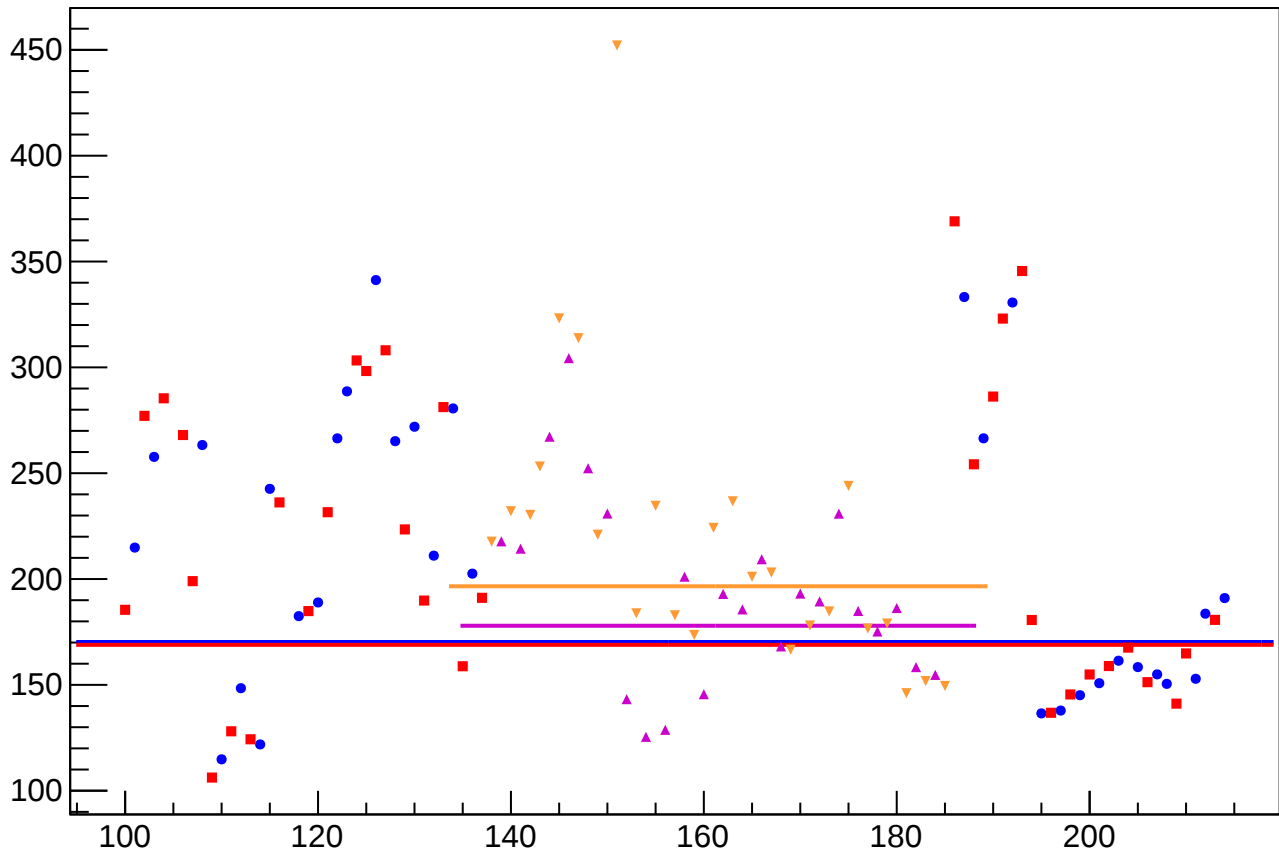
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign -23.444 ± 32.035 χ^2/NDF : 27.0/55

All: -1.057 ± 22.281 χ^2/NDF : 52.0/112

- sign 19.923 ± 31.011 χ^2/NDF : 24.1/56

asym_bcm_an_ds_rms vs Slug



Right In: 170.244 $\pm$ 0.031 χ^2 /NDF: 2168763.2/30

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF:1778719.0/24

Right Out: 168.917 $\pm$ 0.030 χ^2 /NDF: 2845861.9/33

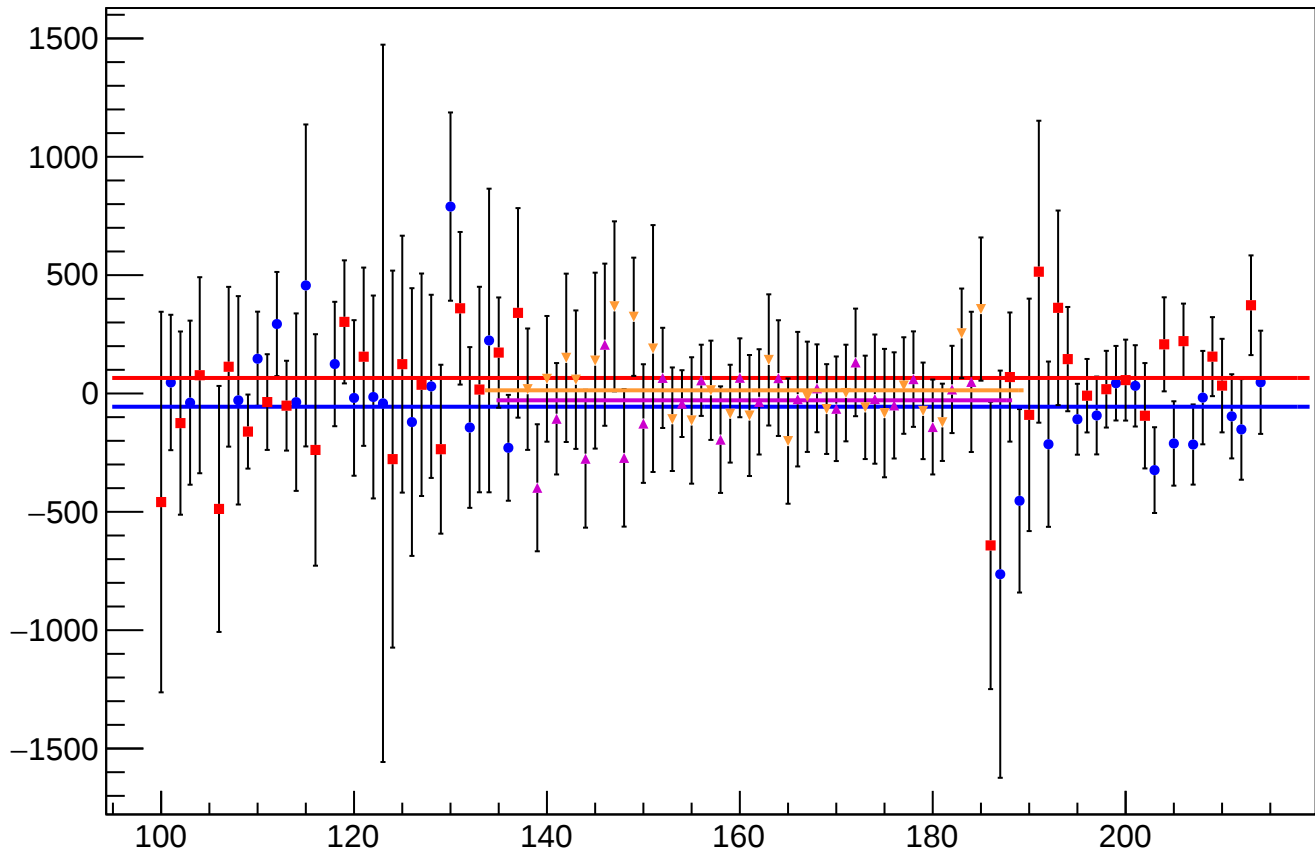
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 182.205 $\pm$ 0.023 χ^2 /NDF: 4282476.2/55

All: 177.587 $\pm$ 0.016 χ^2 /NDF: 8856857.4/112

- sign 173.259 $\pm$ 0.022 χ^2 /NDF: 4493847.9/56

asym_bcm_an_ds3_mean vs Slug



Right In: -55.976 ± 43.559 χ^2/NDF : 17.3/30

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 65.579 ± 43.278 χ^2/NDF : 15.5/33

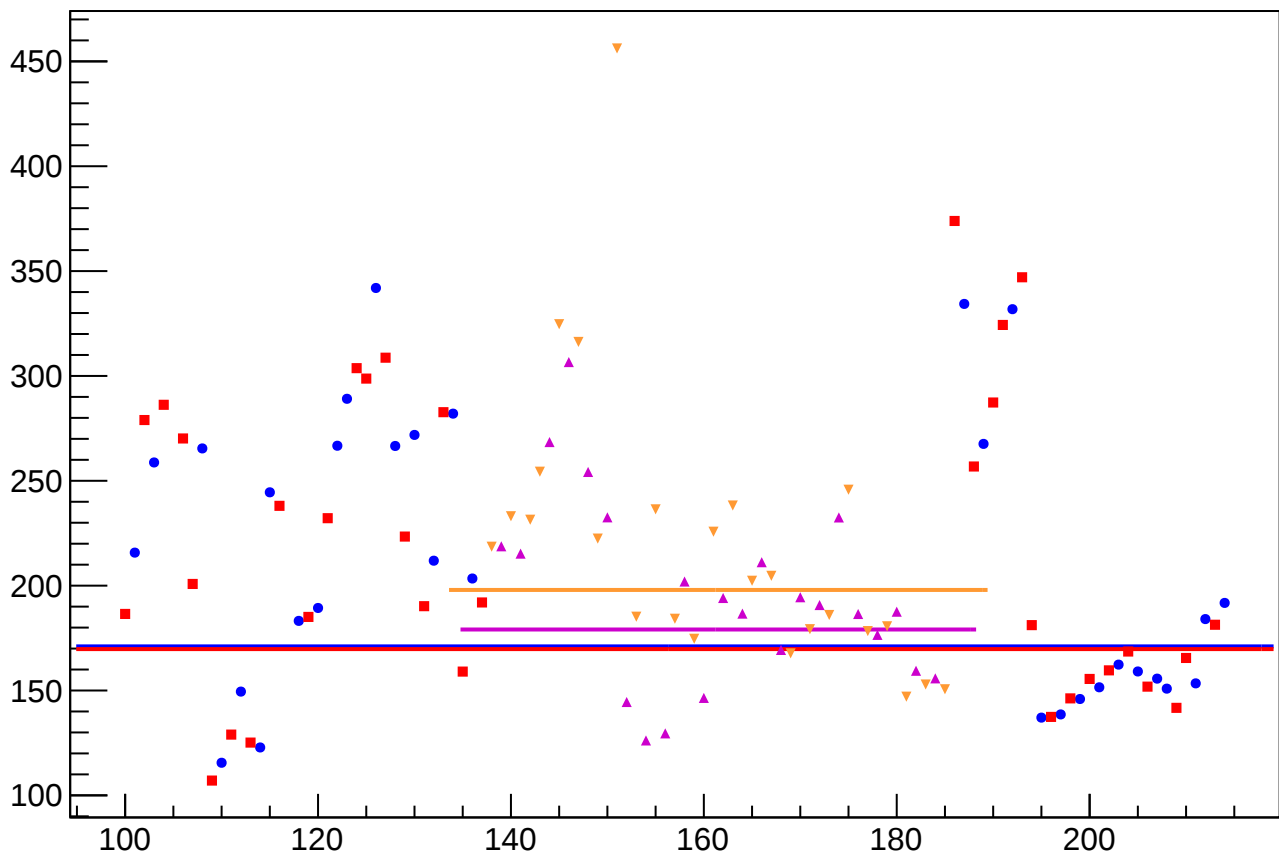
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign -24.548 ± 32.215 χ^2/NDF : 27.4/55

All: -1.445 ± 22.407 χ^2/NDF : 53.1/112

- sign 20.206 ± 31.186 χ^2/NDF : 24.7/56

asym_bcm_an_ds3_rms vs Slug



Right In: 171.037 $\pm$ 0.031 χ^2 /NDF: 2160252.9/30

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 169.747 $\pm$ 0.031 χ^2 /NDF: 2841695.1/33

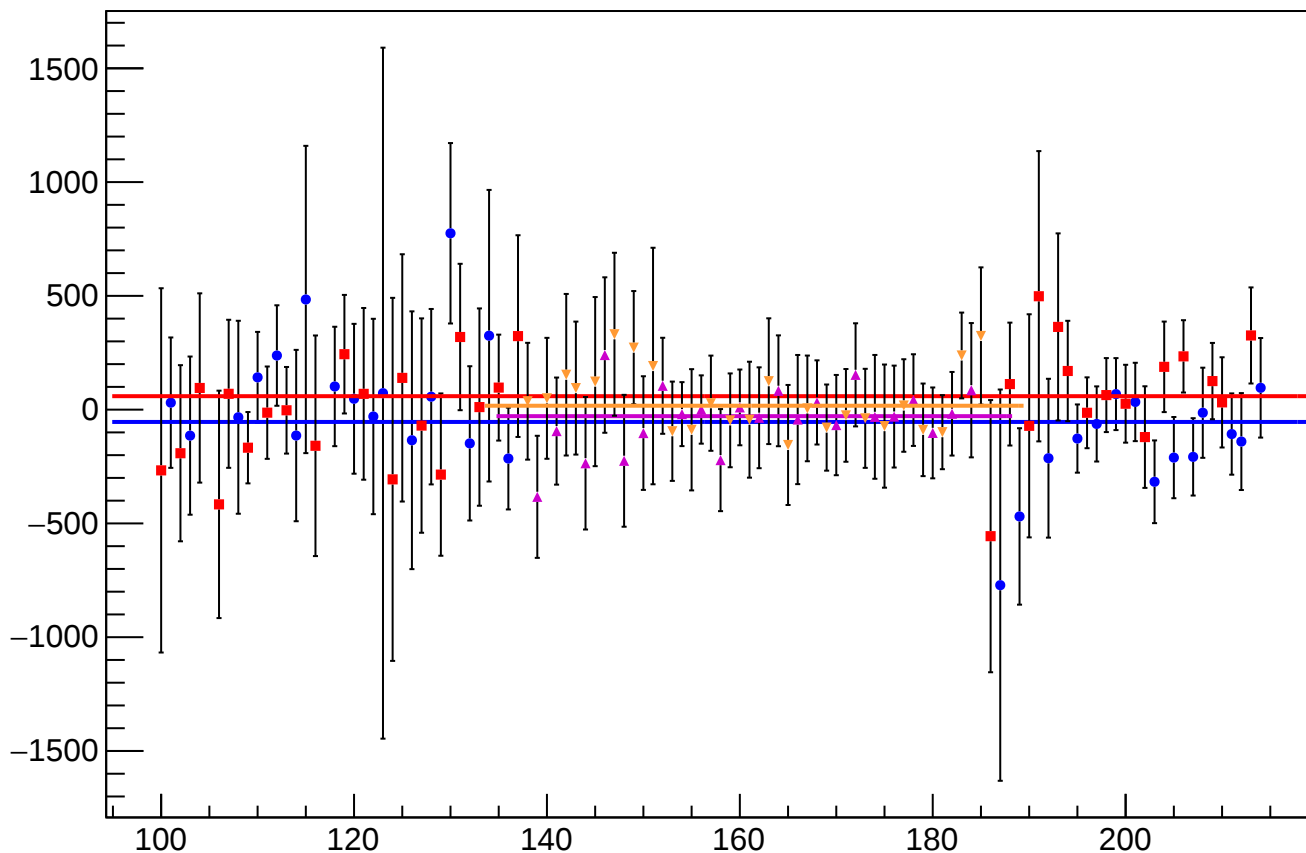
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 183.231 $\pm$ 0.023 χ^2 /NDF: 4280738.5/55

All: 178.589 $\pm$ 0.016 χ^2 /NDF: 8852796.3/112

- sign 174.238 $\pm$ 0.022 χ^2 /NDF: 4491614.3/56

asym_bcm_an_us_mean vs Slug



Right In: -54.073 ± 43.645 χ^2/NDF : 17.0/30

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 59.157 ± 43.308 χ^2/NDF : 13.6/33

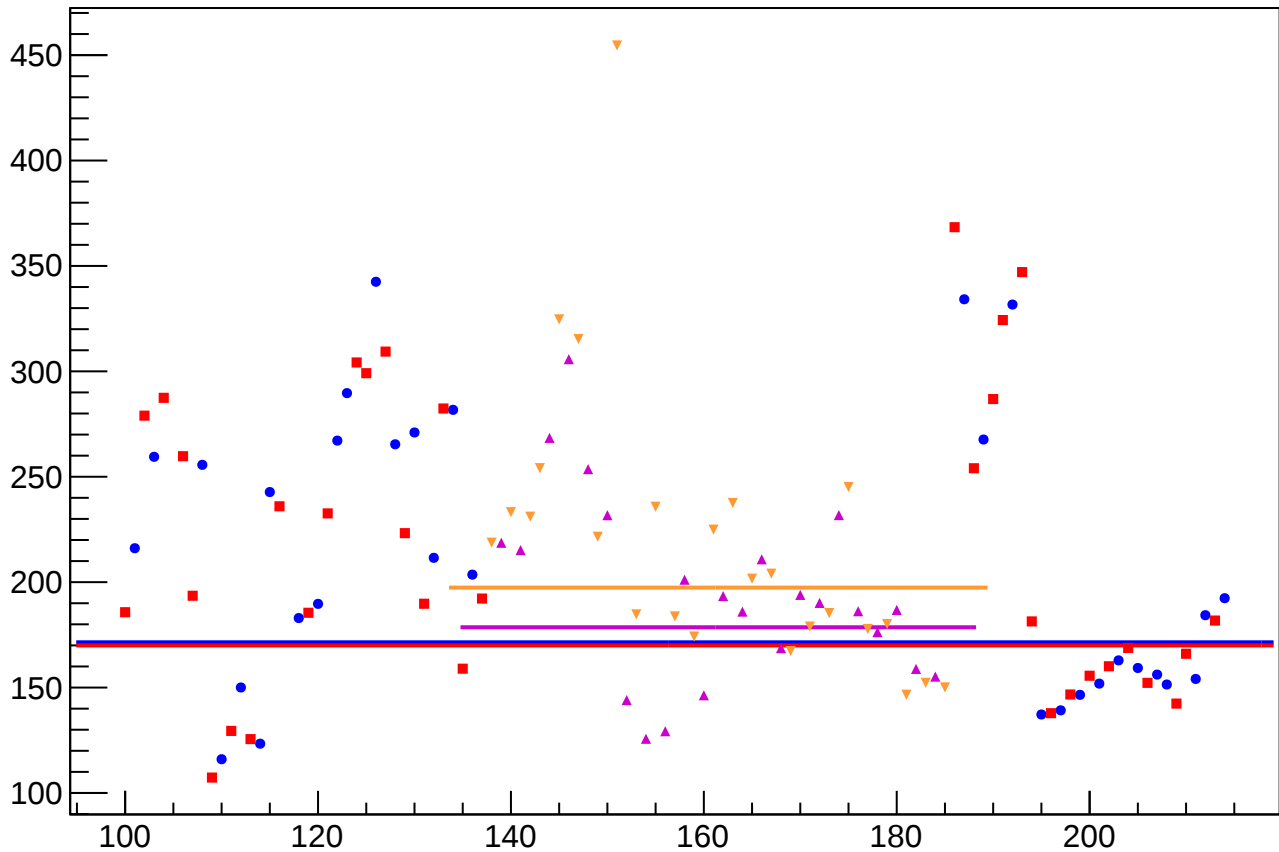
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign -21.649 ± 32.211 χ^2/NDF : 25.3/55

All: -1.788 ± 22.395 χ^2/NDF : 47.7/112

- sign 16.795 ± 31.157 χ^2/NDF : 21.7/56

asym_bcm_an_us_rms vs Slug



Right In: 171.461 $\pm$ 0.031 χ^2 /NDF: 2127789.2/30

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF:1780261.9/24

Right Out: 169.994 $\pm$ 0.031 χ^2 /NDF: 2794142.1/33

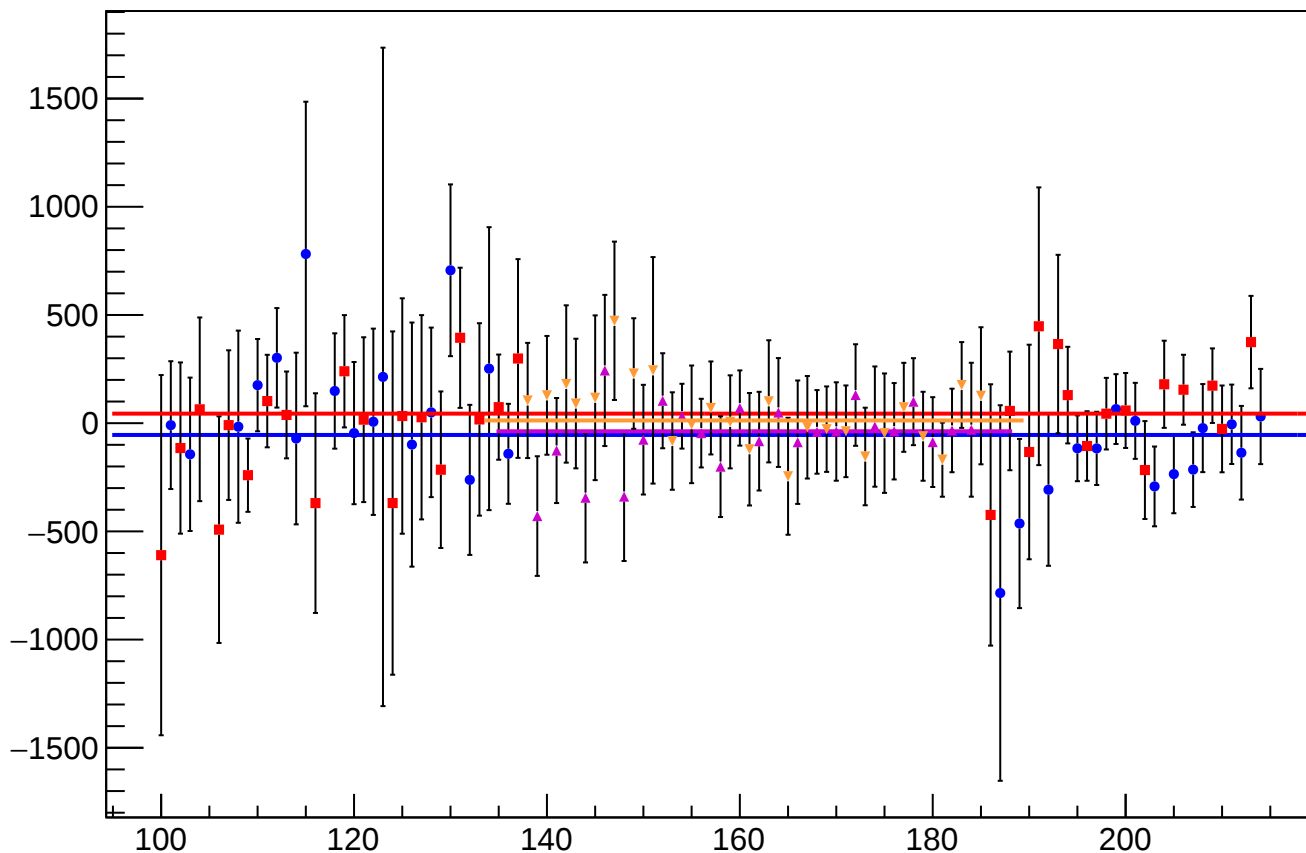
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF:1608998.1/22

+ sign 183.281 $\pm$ 0.023 χ^2 /NDF: 4230233.2/55

All: 178.562 $\pm$ 0.016 χ^2 /NDF: 8754576.9/112

- sign 174.146 $\pm$ 0.022 χ^2 /NDF: 4441250.8/56

asym_bcm_dg_us_mean vs Slug



Right In: -54.406 ± 44.595 χ^2/NDF : 17.4/30

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: 44.115 ± 44.451 χ^2/NDF : 16.4/33

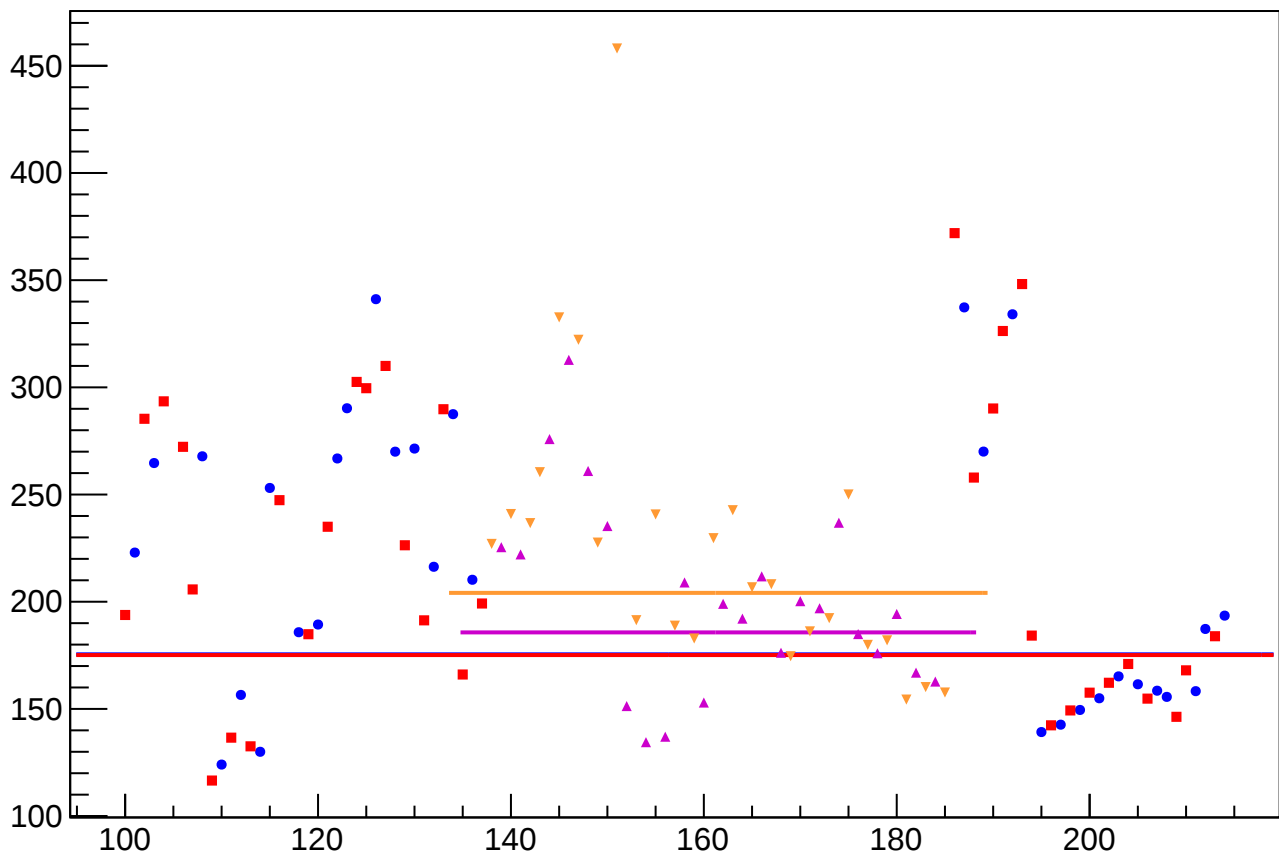
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign -24.199 ± 33.054 χ^2/NDF : 26.0/55

All: -9.108 ± 23.037 χ^2/NDF : 52.0/112

- sign 5.146 ± 32.125 χ^2/NDF : 25.6/56

asym_bcm_dg_us_rms vs Slug



Right In: 175.455 $\pm$ 0.032 χ^2 /NDF: 2046706.6/30

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 175.122 $\pm$ 0.031 χ^2 /NDF: 2611870.9/33

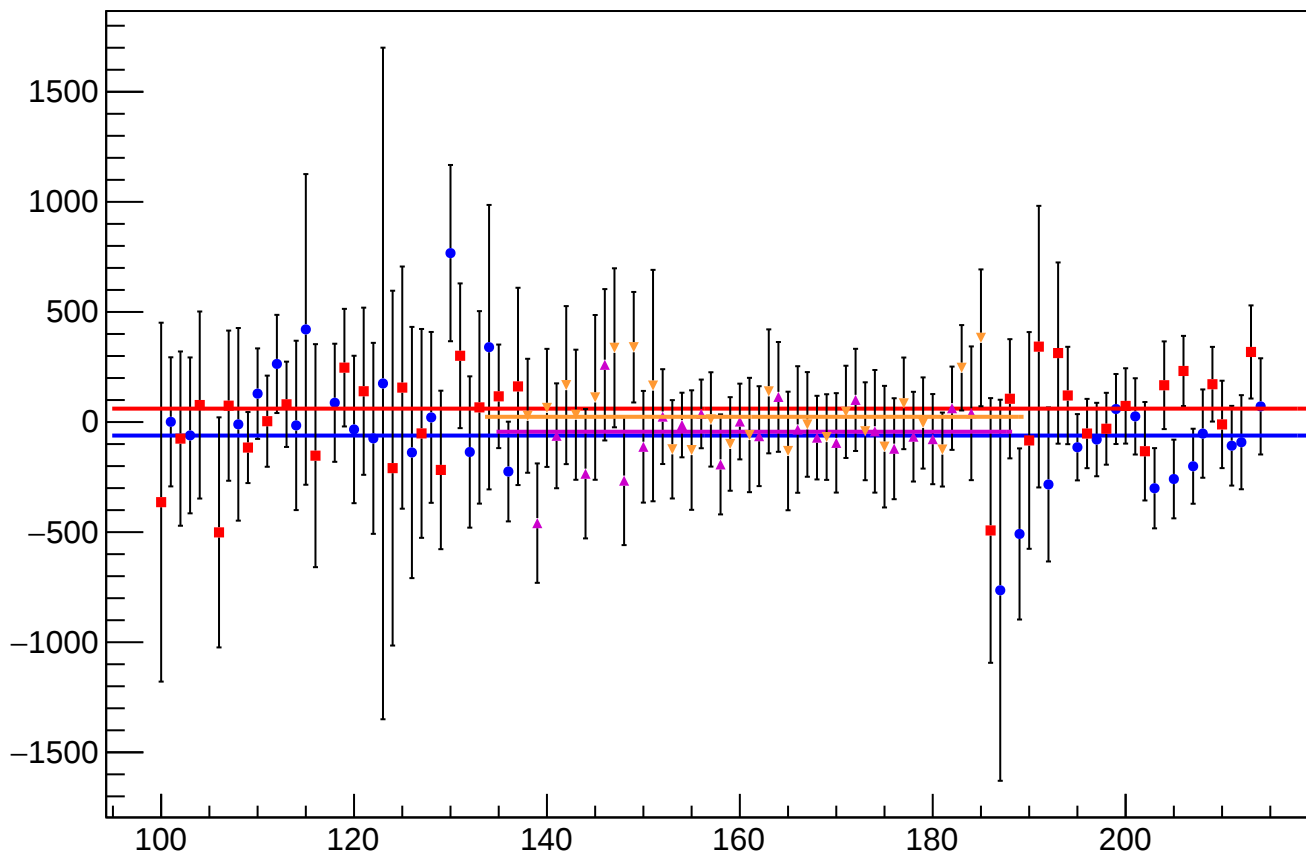
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 188.376 $\pm$ 0.023 χ^2 /NDF: 4091657.6/55

All: 184.157 $\pm$ 0.016 χ^2 /NDF: 8268701.7/112

- sign 180.172 $\pm$ 0.023 χ^2 /NDF: 4113679.6/56

asym_bcm_dg_ds_mean vs Slug



Right In: -61.345 ± 44.041 χ^2/NDF : 16.6/30

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 60.955 ± 43.767 χ^2/NDF : 11.6/33

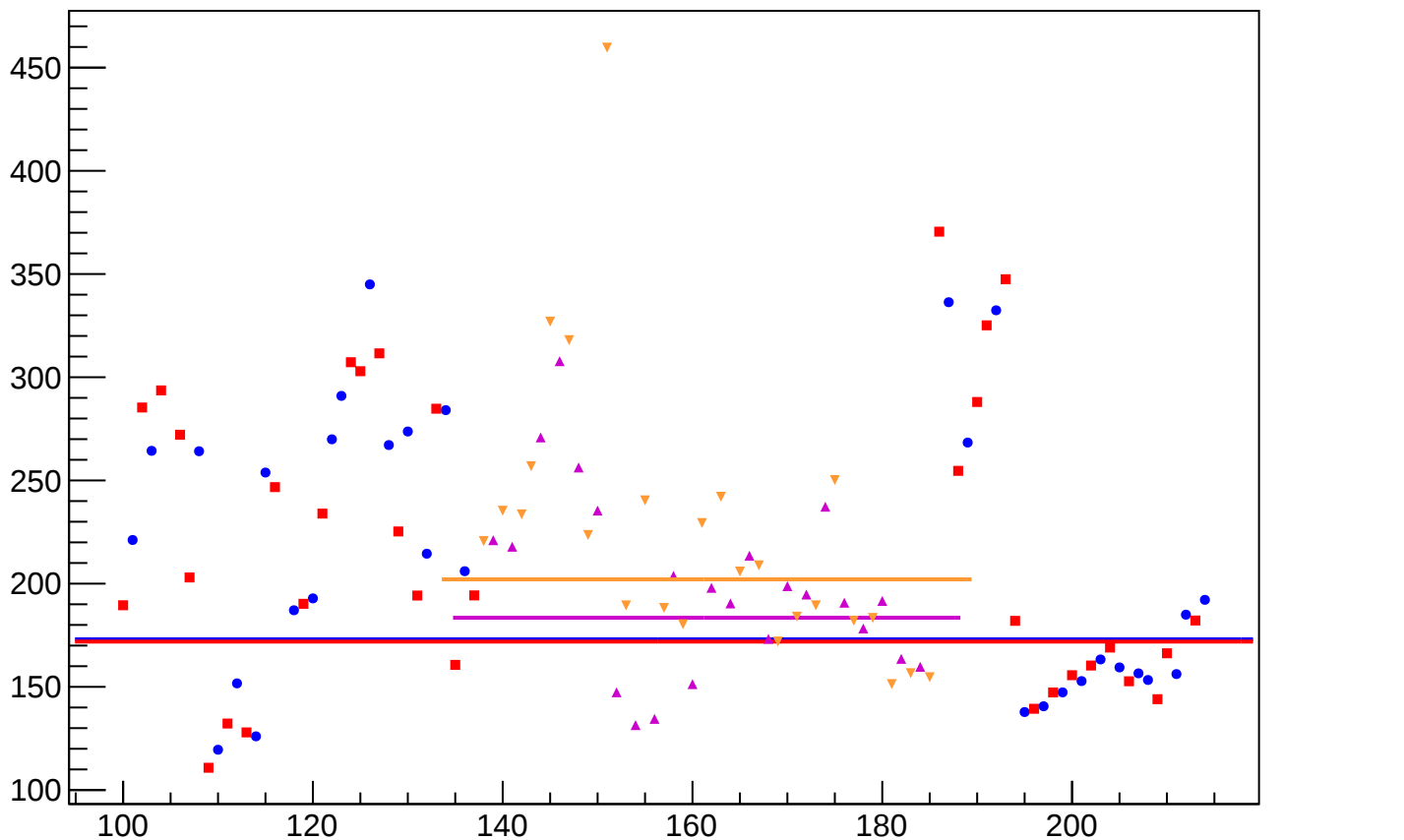
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign -23.091 ± 32.690 χ^2/NDF : 26.7/55

All: -5.484 ± 22.758 χ^2/NDF : 48.2/112

- sign 11.075 ± 31.702 χ^2/NDF : 20.9/56

asym_bcm_dg_ds_rms vs Slug



Right In: 173.041 $\pm$ 0.031 χ^2 /NDF: 2130348.9/30

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 171.931 $\pm$ 0.031 χ^2 /NDF: 2772824.7/33

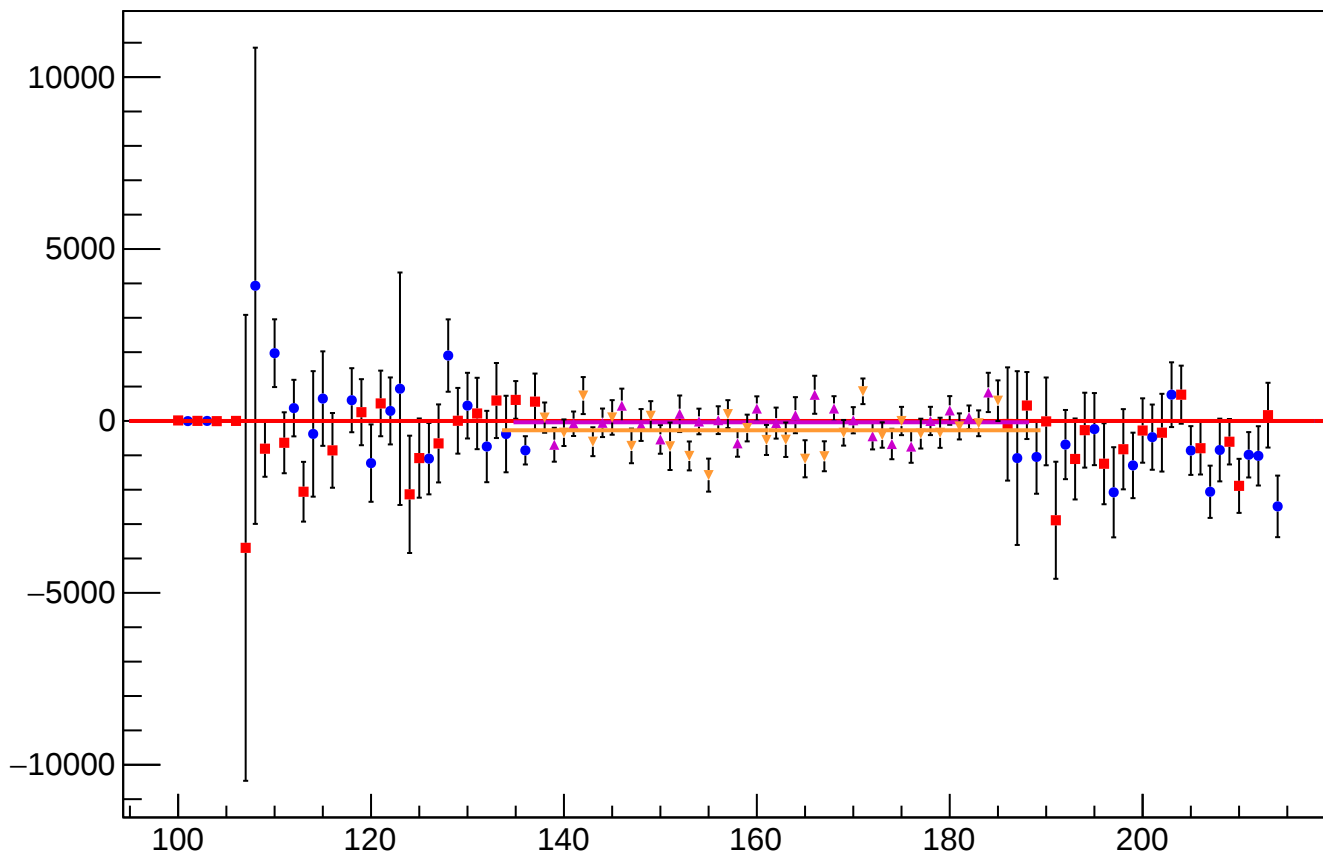
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 186.081 $\pm$ 0.023 χ^2 /NDF: 4213619.1/55

All: 181.622 $\pm$ 0.016 χ^2 /NDF: 8608426.3/112

- sign 177.429 $\pm$ 0.022 χ^2 /NDF: 4322614.3/56

asym_cav4bQ_mean vs Slug



Right In: -1.617 ± 2.251 χ^2/NDF : 45.3/30

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.762 ± 2.111 χ^2/NDF : 33.5/33

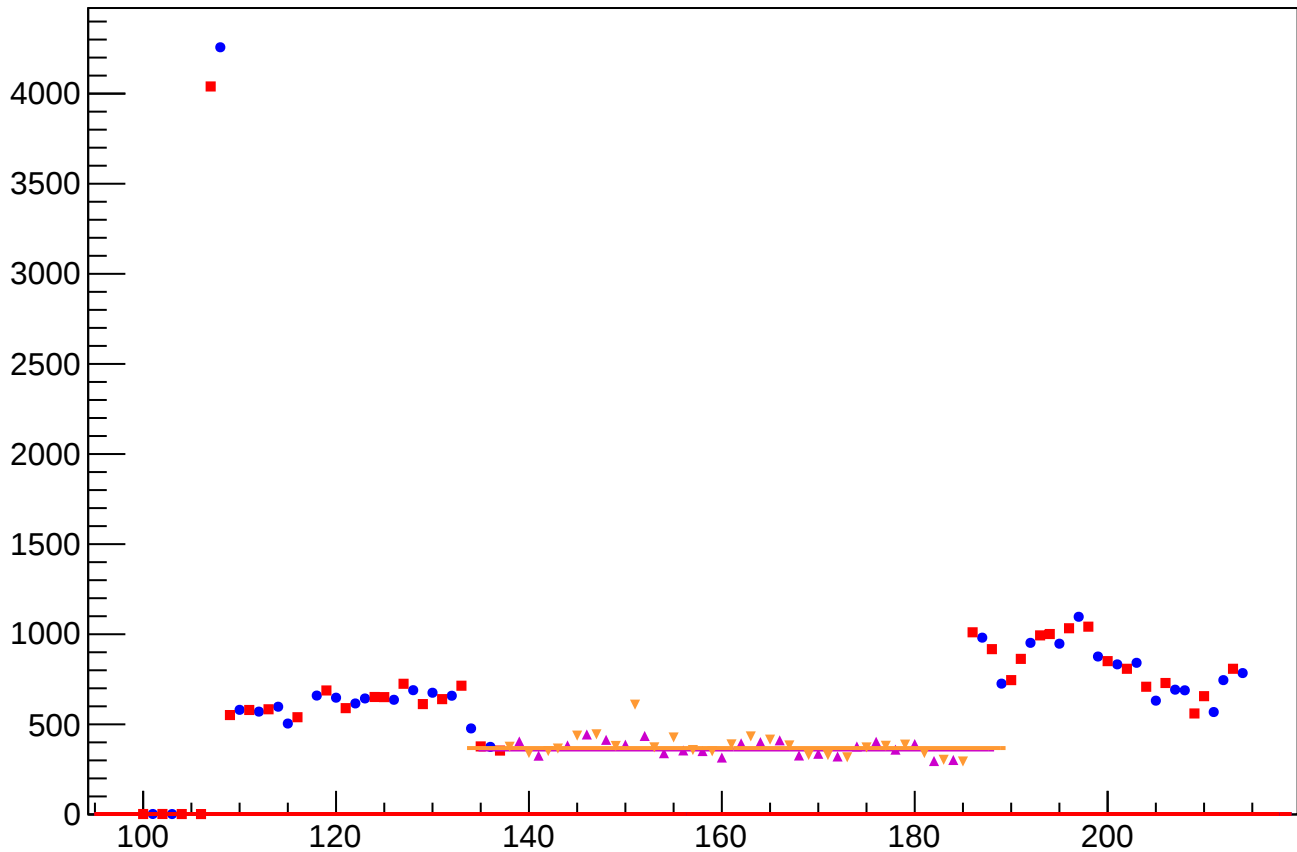
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.797 ± 2.251 χ^2/NDF : 93.0/55

All: -1.258 ± 1.539 χ^2/NDF : 147.0/112

- sign -0.785 ± 2.110 χ^2/NDF : 53.9/56

asym_cav4bQ_rms vs Slug



Right In: 2.520 $\pm$ 0.002 χ^2 /NDF: 30466569.0/30

Left Out: 368.397 $\pm$ 0.061 χ^2 /NDF: 622466.1/24

Right Out: 2.491 $\pm$ 0.001 χ^2 /NDF: 31159386.0/33

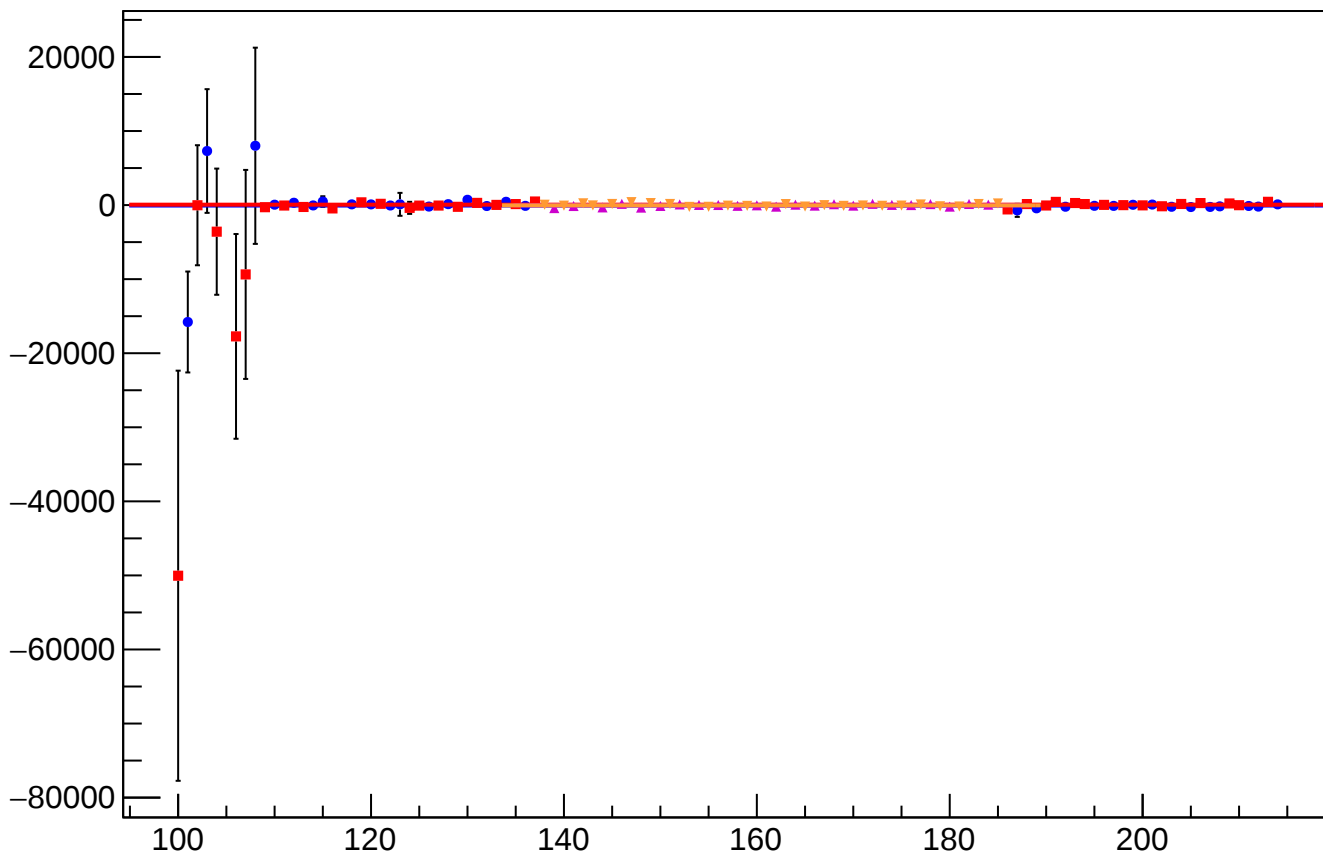
Left In: 360.408 $\pm$ 0.062 χ^2 /NDF: 417739.4/22

+ sign 2.765 $\pm$ 0.002 χ^2 /NDF: 66464044.5/55

All: 2.729 $\pm$ 0.001 χ^2 /NDF: 131281813.1/112

- sign 2.698 $\pm$ 0.001 χ^2 /NDF: 64816816.8/56

asym_cav4cQ_mean vs Slug



Right In: -61.580 ± 47.966 χ^2/NDF : 21.9/30

Left Out: -38.013 ± 49.628 χ^2/NDF : 9.3/24

Right Out: 55.982 ± 48.417 χ^2/NDF : 24.1/33

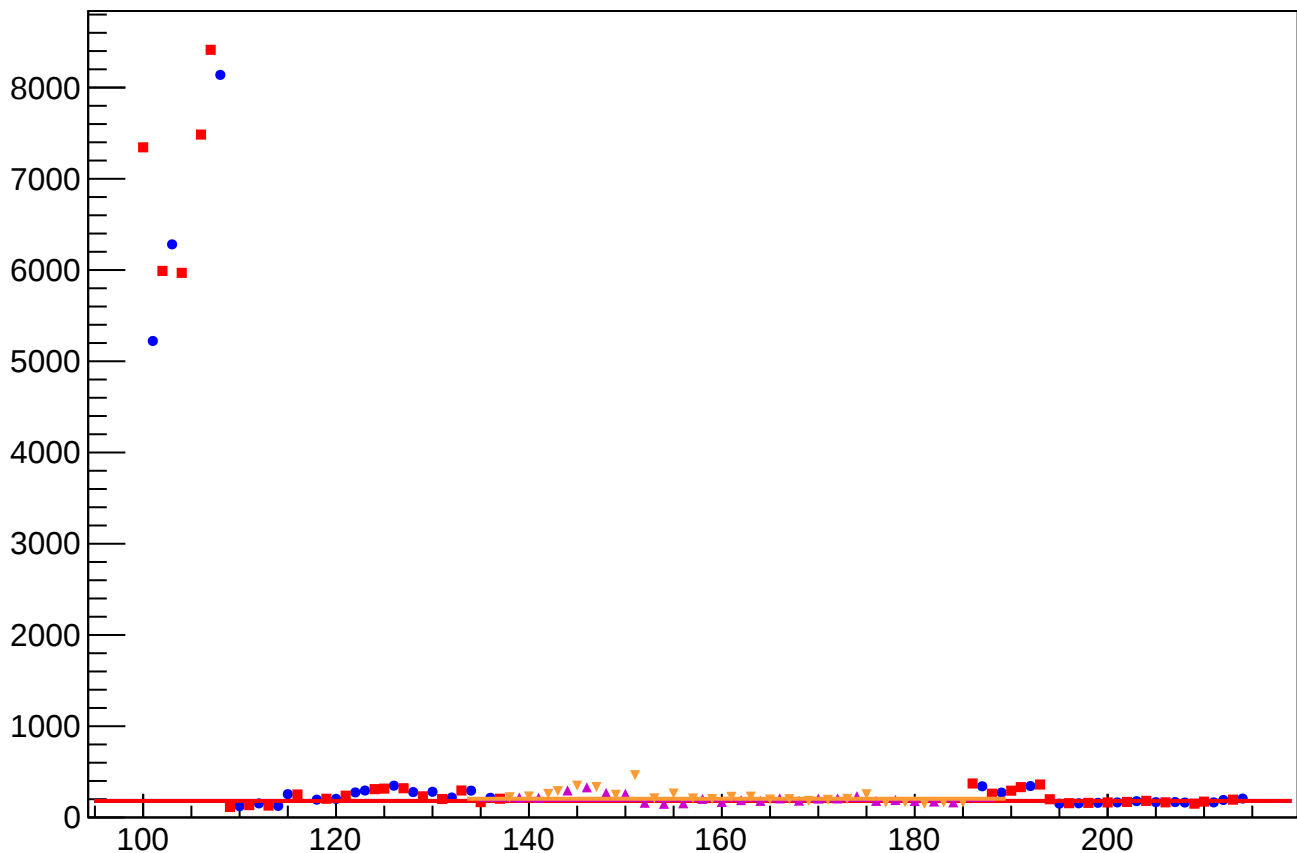
Left In: -28.205 ± 48.167 χ^2/NDF : 9.2/22

+ sign -50.198 ± 34.490 χ^2/NDF : 31.3/55

All: -17.945 ± 24.266 χ^2/NDF : 67.9/112

- sign 13.670 ± 34.147 χ^2/NDF : 34.8/56

asym_cav4cQ_rms vs Slug



Right In: 181.157+/-0.034 χ^2/NDF : 4563296.5/30

Left Out: 205.027+/-0.035 χ^2/NDF :1956045.1/24

Right Out: 181.063+/-0.034 χ^2/NDF : 5425244.1/33

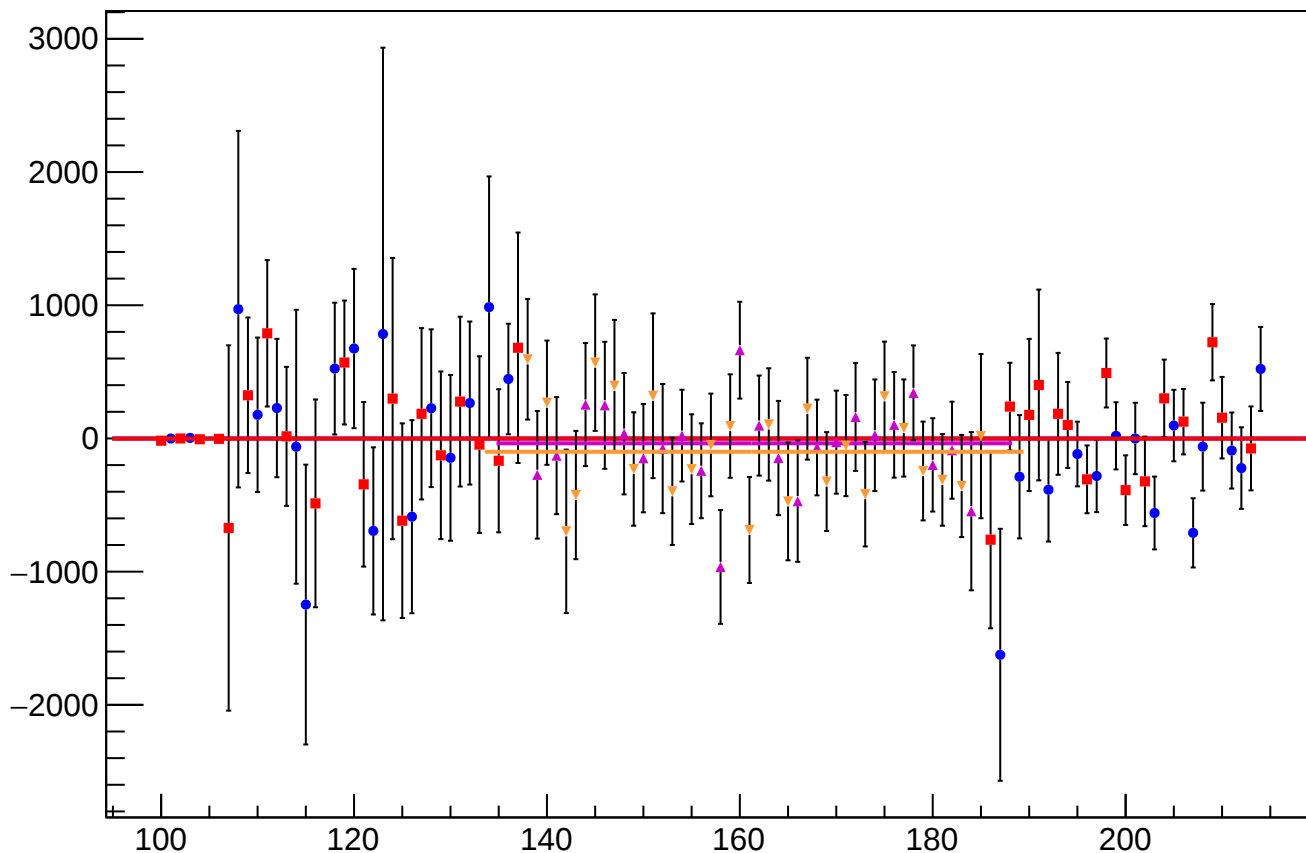
Left In: 193.405+/-0.034 χ^2/NDF :1172169.3/22

+ sign 192.685+/-0.024 χ^2/NDF : 6758562.4/55

All: 189.949+/-0.017 χ^2/NDF : 13446229.5/134

- sign 187.266+/-0.024 χ^2/NDF : 6662728.5/56

asym_cav4dQ_mean vs Slug



Right In: -0.220 ± 1.736 χ^2/NDF : 30.8/30

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.287 ± 1.622 χ^2/NDF : 28.1/33

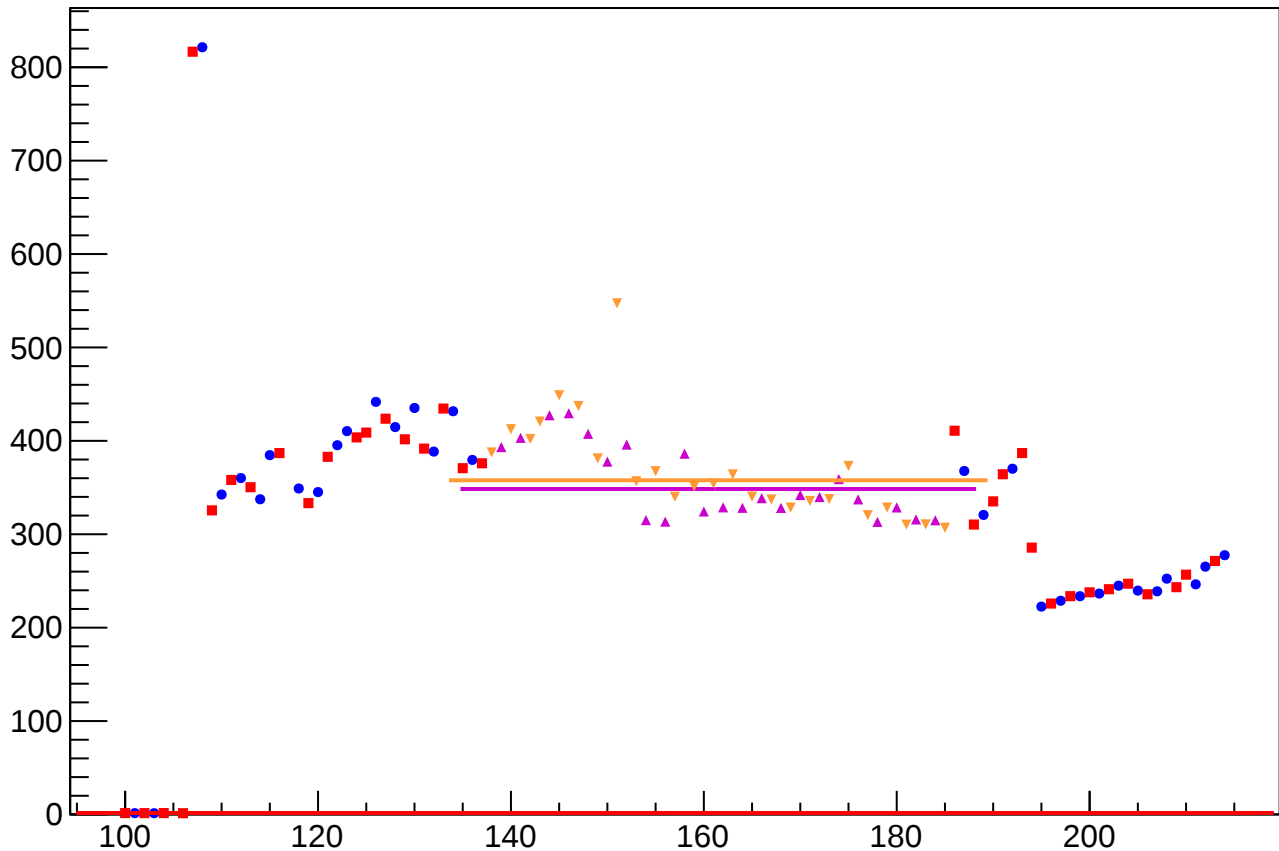
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.263 ± 1.736 χ^2/NDF : 47.9/55

All: -0.817 ± 1.185 χ^2/NDF : 89.9/112

- sign -1.300 ± 1.622 χ^2/NDF : 41.8/56

asym_cav4dQ_rms vs Slug



Right In: 1.570 ± 0.001 χ^2/NDF : 30733527.3/30

Left Out: 357.771 ± 0.060 χ^2/NDF : 547124.8/24

Right Out: 1.550 ± 0.001 χ^2/NDF : 30866512.3/33

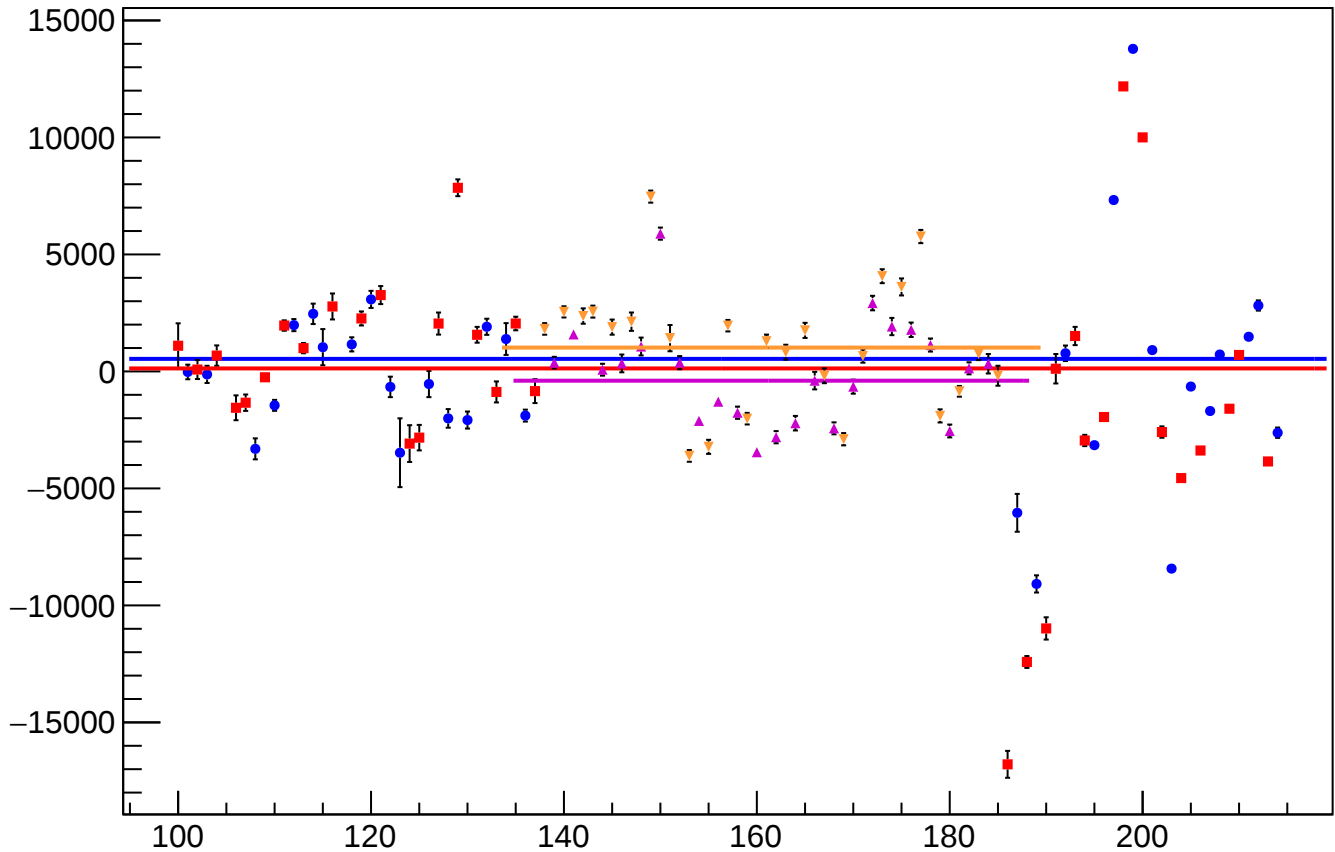
Left In: 348.464 ± 0.060 χ^2/NDF : 360425.7/22

+ sign 1.722 ± 0.001 χ^2/NDF : 67066912.2/55

All: 1.698 ± 0.001 χ^2/NDF : 131852870.6/112

- sign 1.678 ± 0.001 χ^2/NDF : 64785264.3/56

asym_bcm0l02_mean vs Slug



Right In: 536.461 $\pm$ 47.605 χ^2 /NDF: 11157.9/30

Left Out: 1018.965 $\pm$ 57.402 χ^2 /NDF:2310.1/24

Right Out: 127.454 $\pm$ 47.145 χ^2 /NDF: 13691.2/33

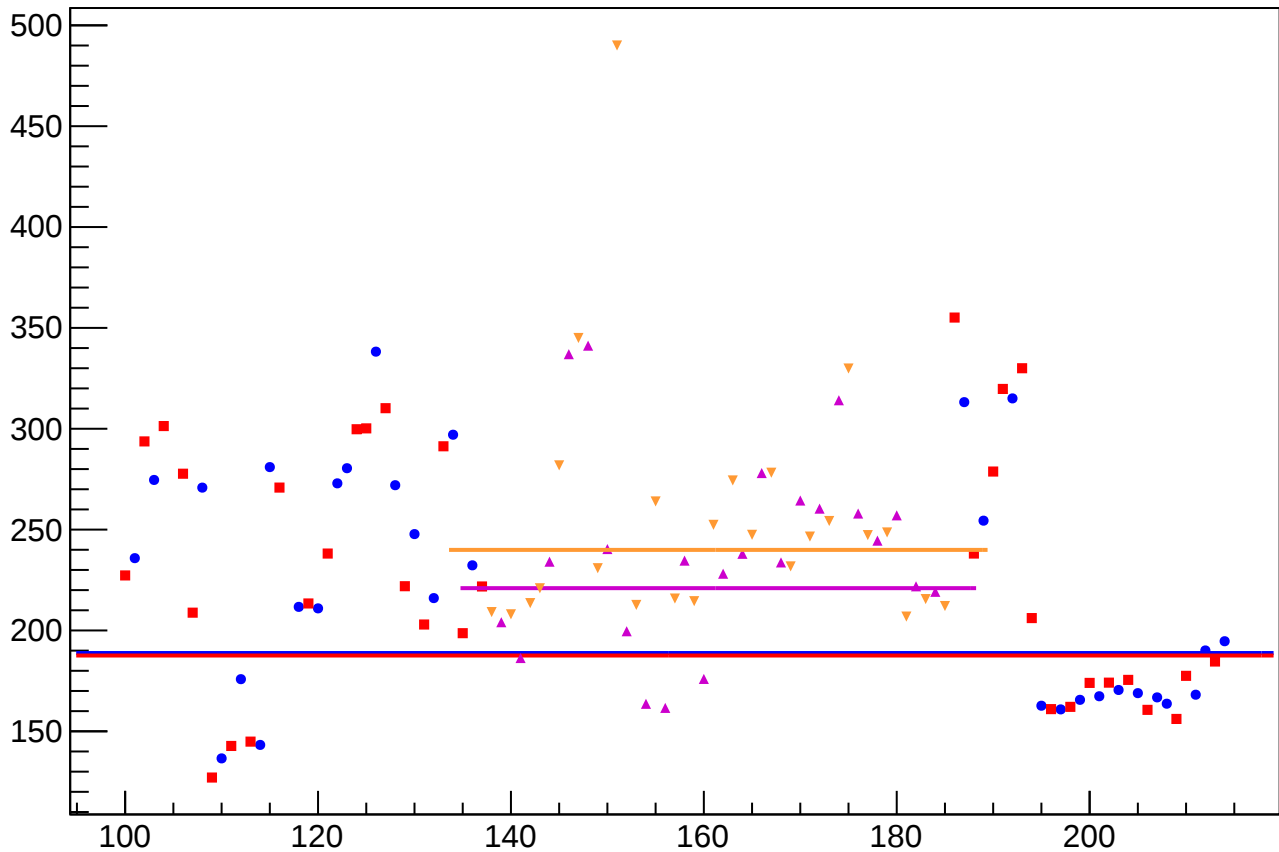
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF:1581.0/22

+ sign 733.087 $\pm$ 36.643 χ^2 /NDF: 13509.9/55

All: 310.090 $\pm$ 25.615 χ^2 /NDF: 29095.0/112

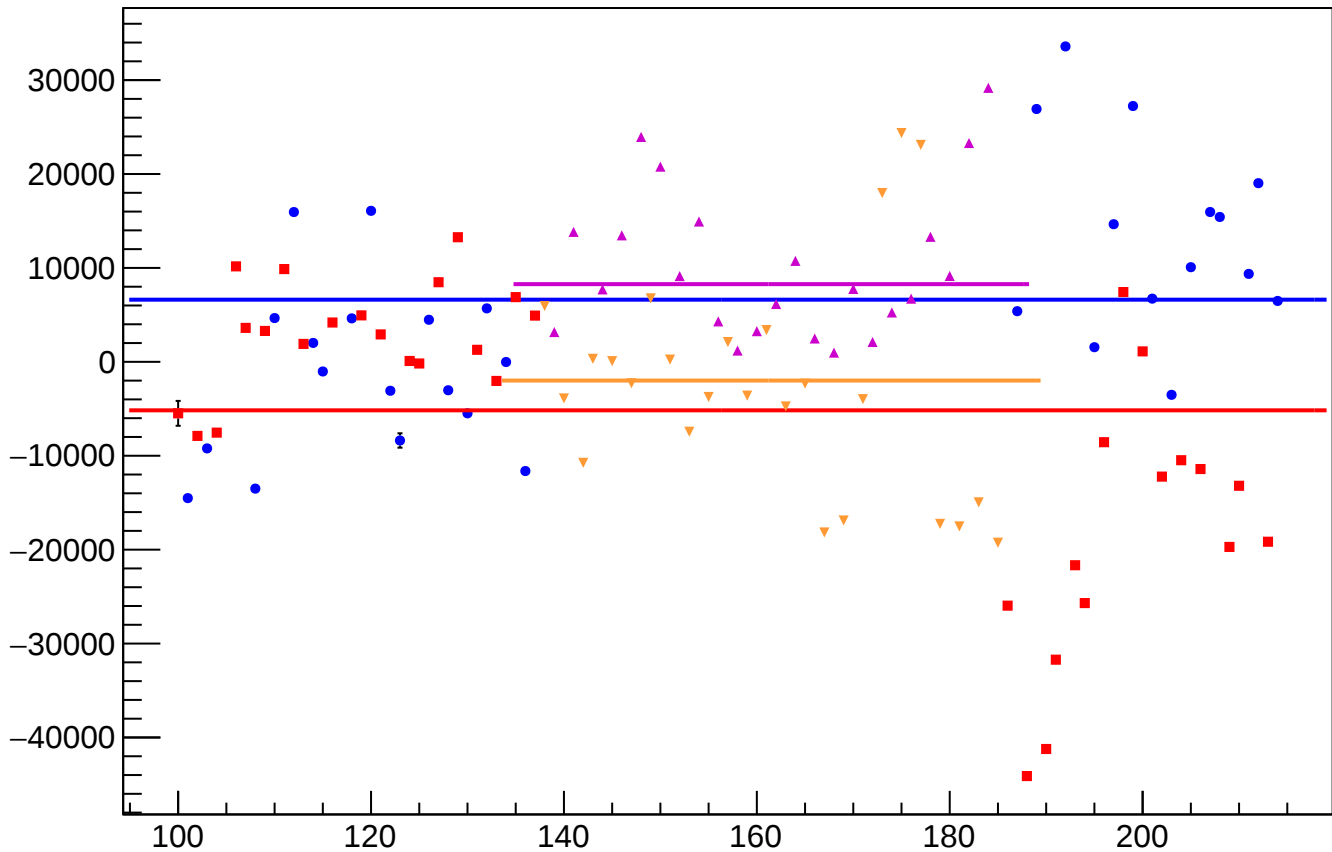
- sign -94.097 $\pm$ 35.819 χ^2 /NDF: 15324.5/56

asym_bcm0l02_rms vs Slug



Right In: 188.806 $\pm$ 0.034	χ^2 /NDF: 1547104.0/30	+ sign 209.644 $\pm$ 0.026	χ^2 /NDF: 3488266.6/55
Left Out: 239.942 $\pm$ 0.041	χ^2 /NDF: 1000770.0/24	All: 205.579 $\pm$ 0.018	χ^2 /NDF: 7409981.1/112
Right Out: 187.576 $\pm$ 0.033	χ^2 /NDF: 2121642.2/33	- sign 201.694 $\pm$ 0.025	χ^2 /NDF: 3873572.7/56
Left In: 220.972 $\pm$ 0.039	χ^2 /NDF: 1327680.6/22		

asym_bpm0i02WS_mean vs Slug



Right In: 6619.219+/-40.121 χ^2/NDF : 93695.3/30

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -5164.569+/-38.756 χ^2/NDF : 144038.9/33

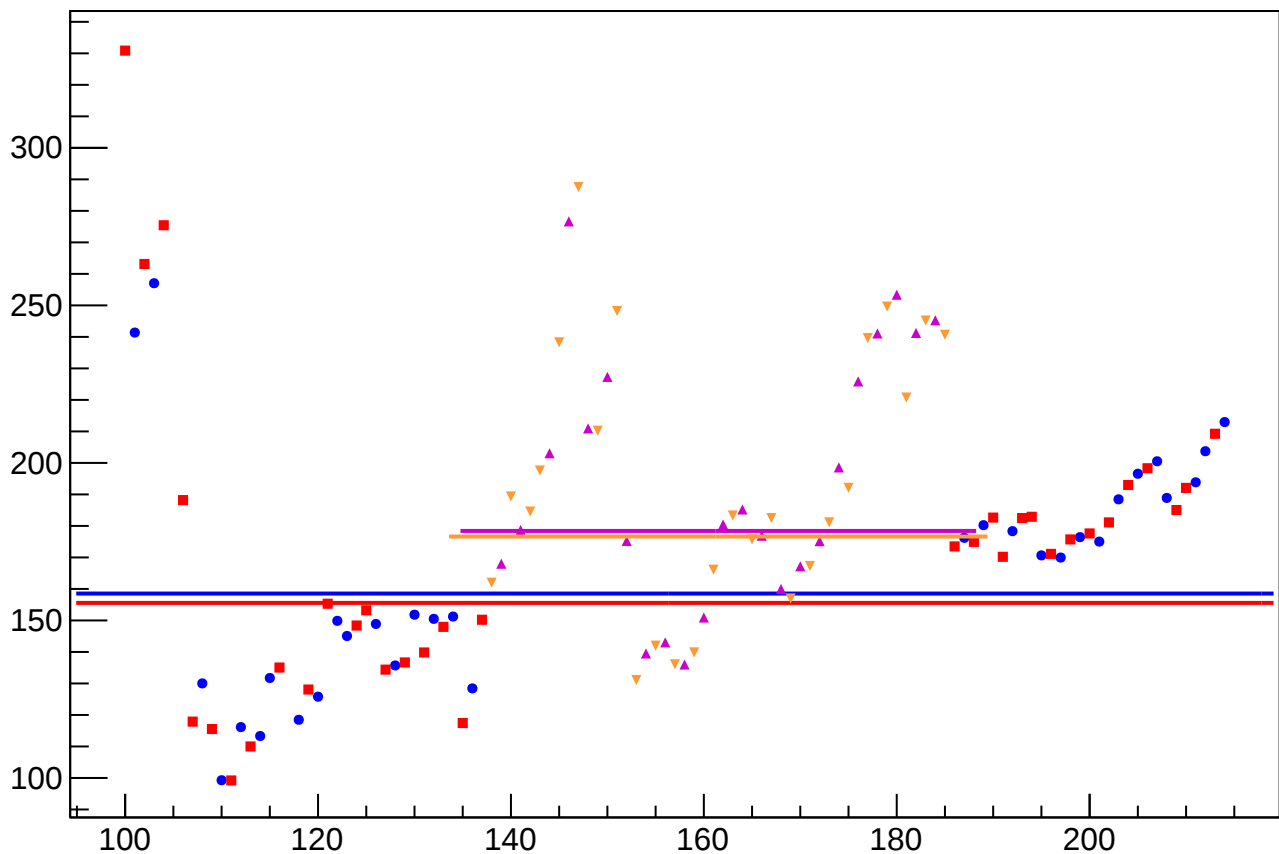
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 2554.057+/-29.151 χ^2/NDF : 179208.3/55

All: 1608.195+/-20.619 χ^2/NDF : 400343.9/11

- sign 661.138+/-29.169 χ^2/NDF : 219028.6/56

asym_bpm0i02WS_rms vs Slug



Right In: 158.542 $\pm$ 0.028 χ^2 /NDF: 1535456.2/30

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 155.571 $\pm$ 0.027 χ^2 /NDF: 1731052.3/33

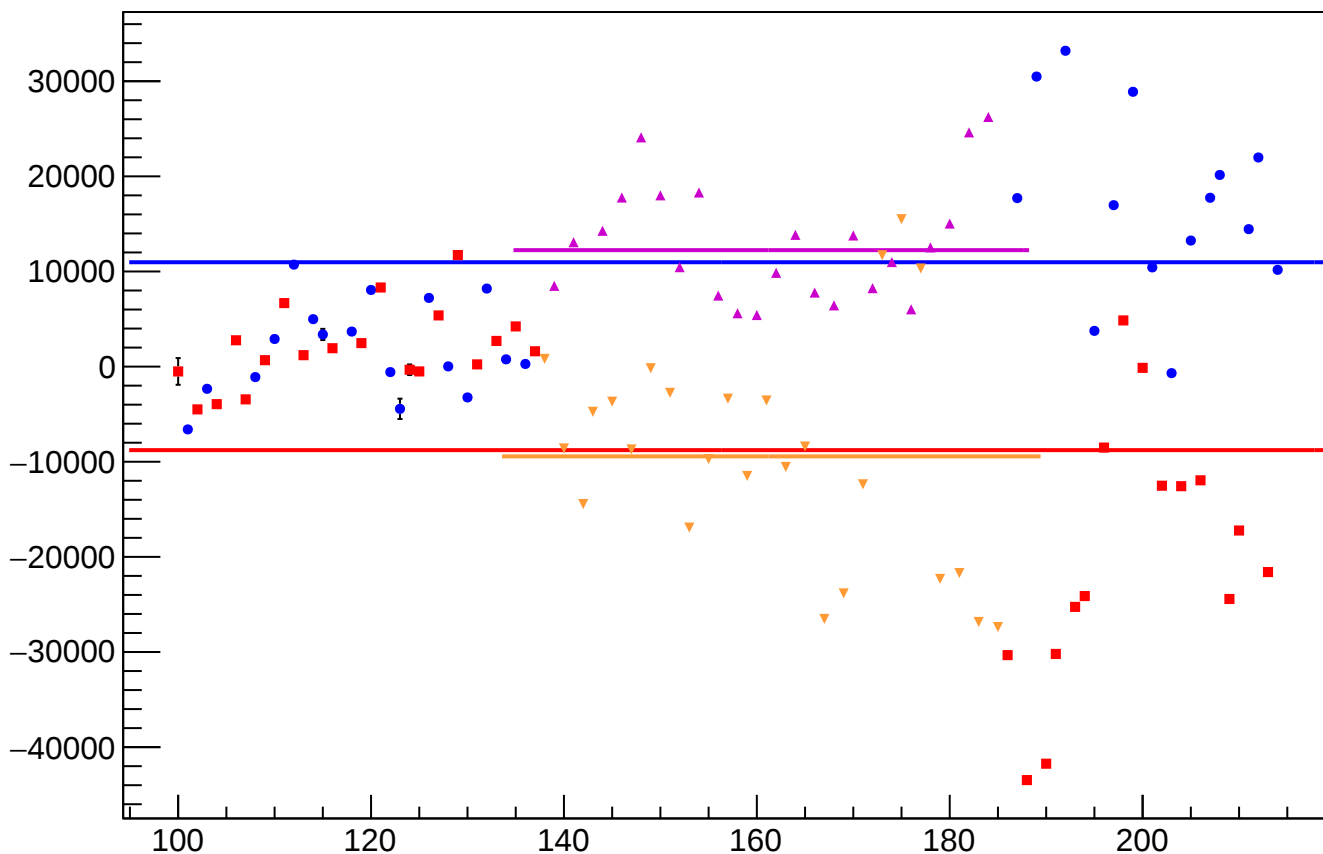
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 167.086 $\pm$ 0.021 χ^2 /NDF: 3278645.4/55

All: 166.281 $\pm$ 0.015 χ^2 /NDF: 6607677.2/112

- sign 165.474 $\pm$ 0.021 χ^2 /NDF: 3325975.9/56

asym_bpm0i02aWS_mean vs Slug



Right In: 10971.064 $\pm$ 44.302 χ^2 /NDF: 55139.6/30

Left Out: -9437.408 $\pm$ 45.534 χ^2 /NDF:62220.4/24

Right Out: -8778.623 $\pm$ 42.880 χ^2 /NDF: 115696.0/33

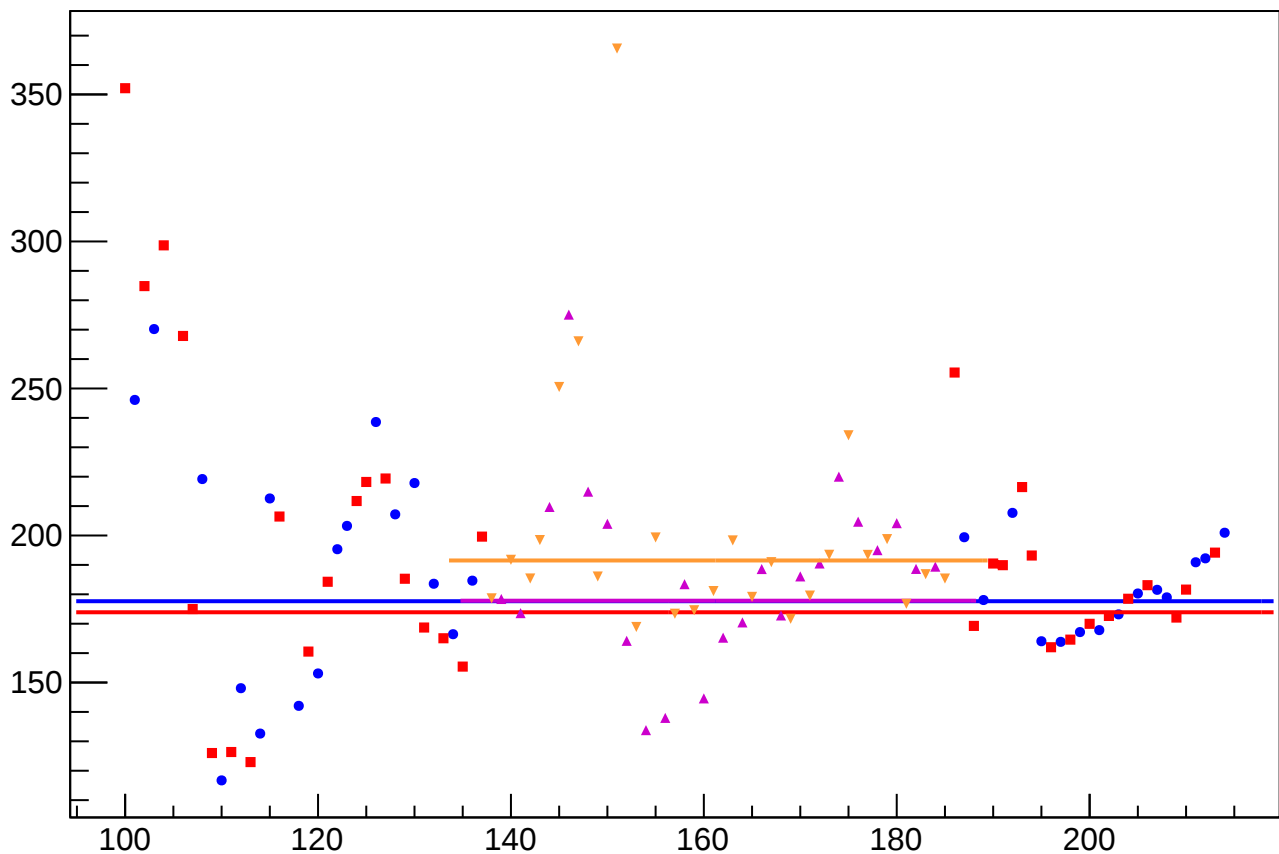
Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF:16615.8/22

+ sign 1046.621 $\pm$ 31.753 χ^2 /NDF: 220555.4/55

All: 1267.666 $\pm$ 22.067 χ^2 /NDF: 470175.2/1

- sign 1474.160 $\pm$ 30.690 χ^2 /NDF: 249526.0/56

asym_bpm0i02aWS_rms vs Slug



Right In: 177.652 $\pm$ 0.031 χ^2 /NDF: 803427.1/30

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 173.891 $\pm$ 0.030 χ^2 /NDF: 1151604.9/33

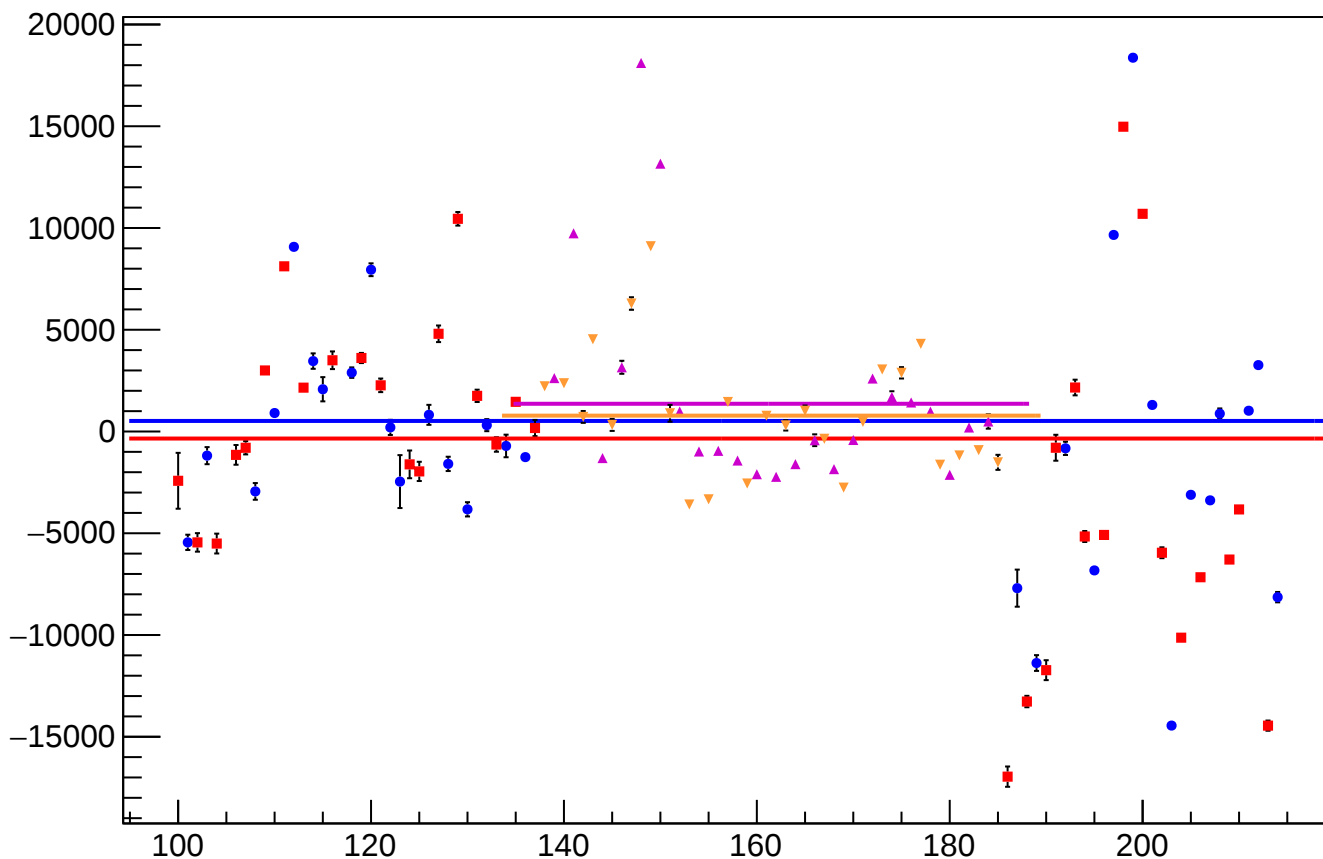
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 184.390 $\pm$ 0.022 χ^2 /NDF: 1625793.4/55

All: 179.953 $\pm$ 0.016 χ^2 /NDF: 3723617.8/112

- sign 175.808 $\pm$ 0.022 χ^2 /NDF: 2022296.3/56

asym_bpm0i05WS_mean vs Slug



Right In: 519.012 $\pm$ 49.634 χ^2 /NDF: 21637.0/30

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: -345.795 $\pm$ 48.260 χ^2 /NDF: 24948.3/33

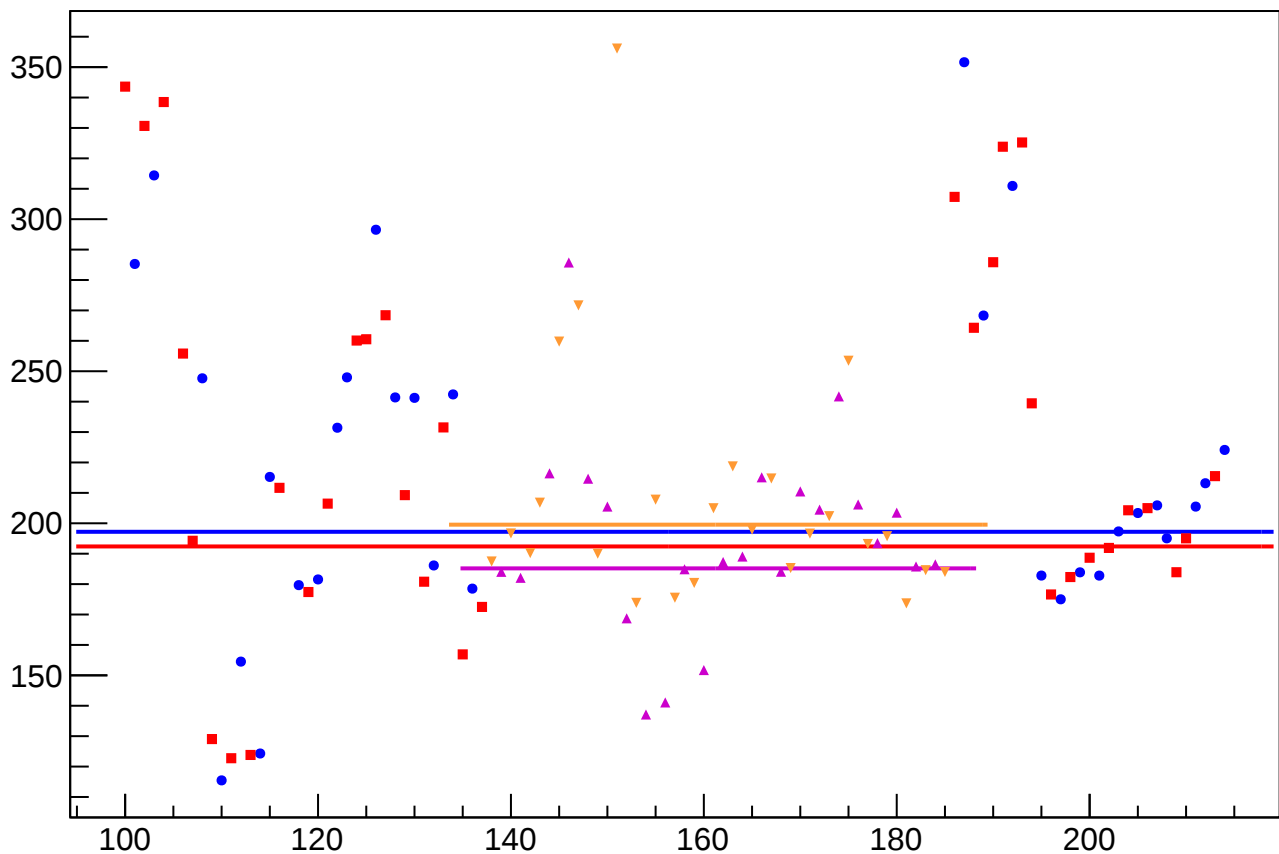
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

+ sign 655.346 $\pm$ 34.301 χ^2 /NDF: 25912.2/55

All: 602.623 $\pm$ 23.864 χ^2 /NDF: 63157.5/112

- sign 553.160 $\pm$ 33.224 χ^2 /NDF: 37240.8/56

asym_bpm0i05WS_rms vs Slug



Right In: 197.202 ± 0.035 χ^2/NDF : 1452299.9/30

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 192.384 ± 0.034 χ^2/NDF : 2162853.9/33

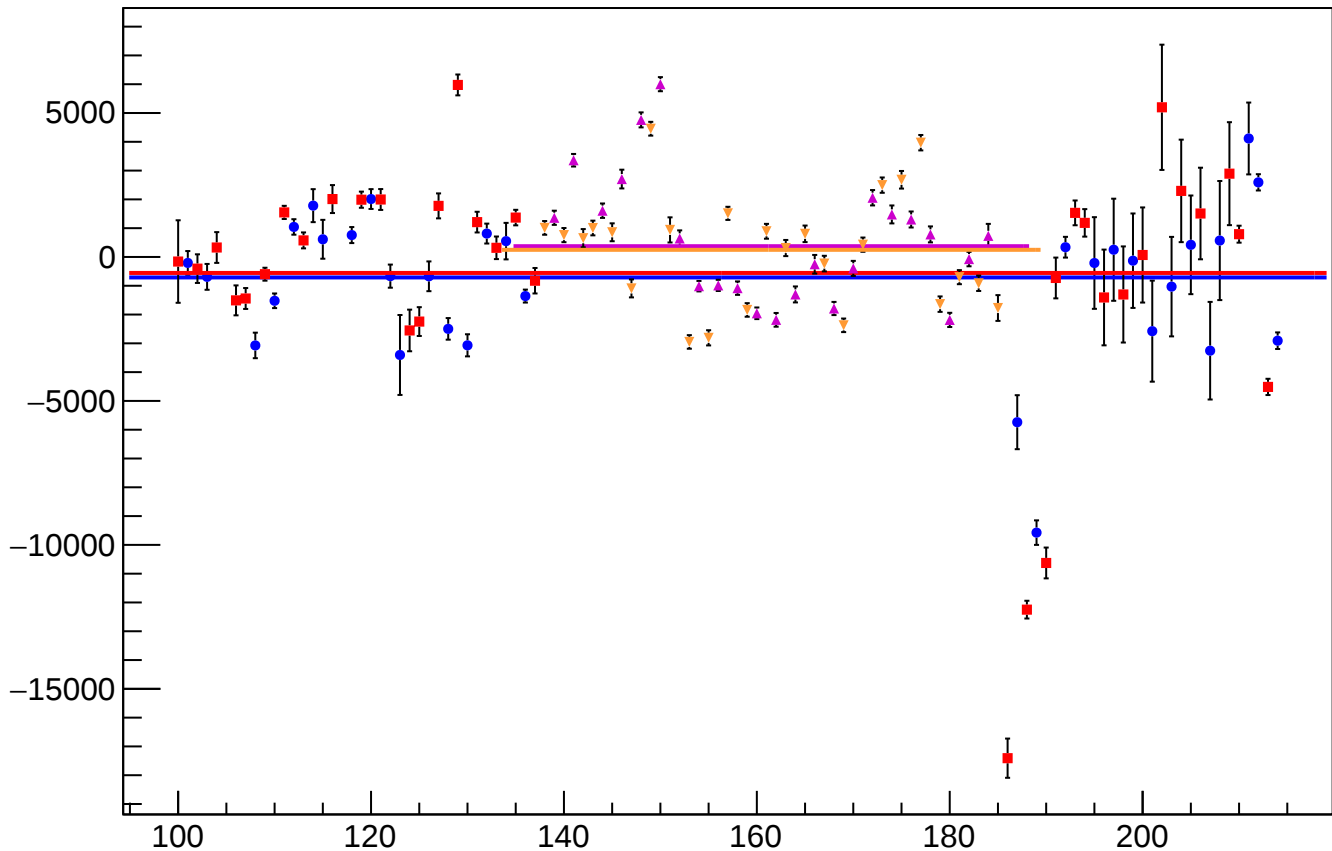
Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

+ sign 198.427 ± 0.024 χ^2/NDF : 2183987.1/55

All: 193.351 ± 0.017 χ^2/NDF : 5337982.2/112

- sign 188.589 ± 0.023 χ^2/NDF : 3069113.8/56

asym_bpm0i07WS_mean vs Slug



Right In: -711.376 ± 76.912 χ^2/NDF : 975.9/30

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -555.028 ± 70.319 χ^2/NDF : 3400.3/33

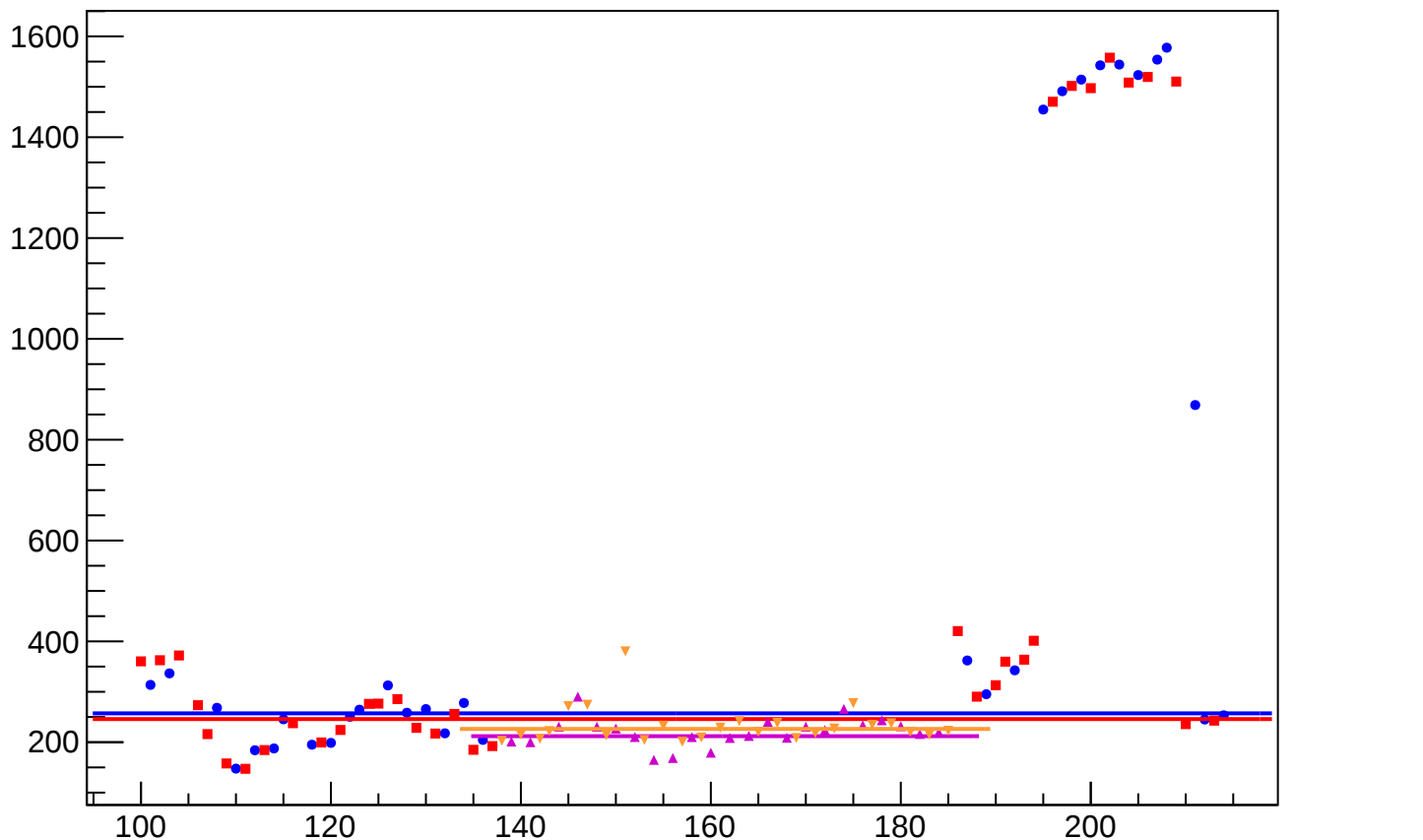
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -65.374 ± 43.950 χ^2/NDF : 2435.7/55

All: -7.340 ± 30.302 χ^2/NDF : 7753.2/112

- sign 45.245 ± 41.835 χ^2/NDF : 5314.1/56

asym_bpm0i07WS_rms vs Slug



Right In: 257.226 $\pm$ 0.054 χ^2 /NDF: 10146114.9/30

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 245.898 $\pm$ 0.050 χ^2 /NDF: 9273307.6/33

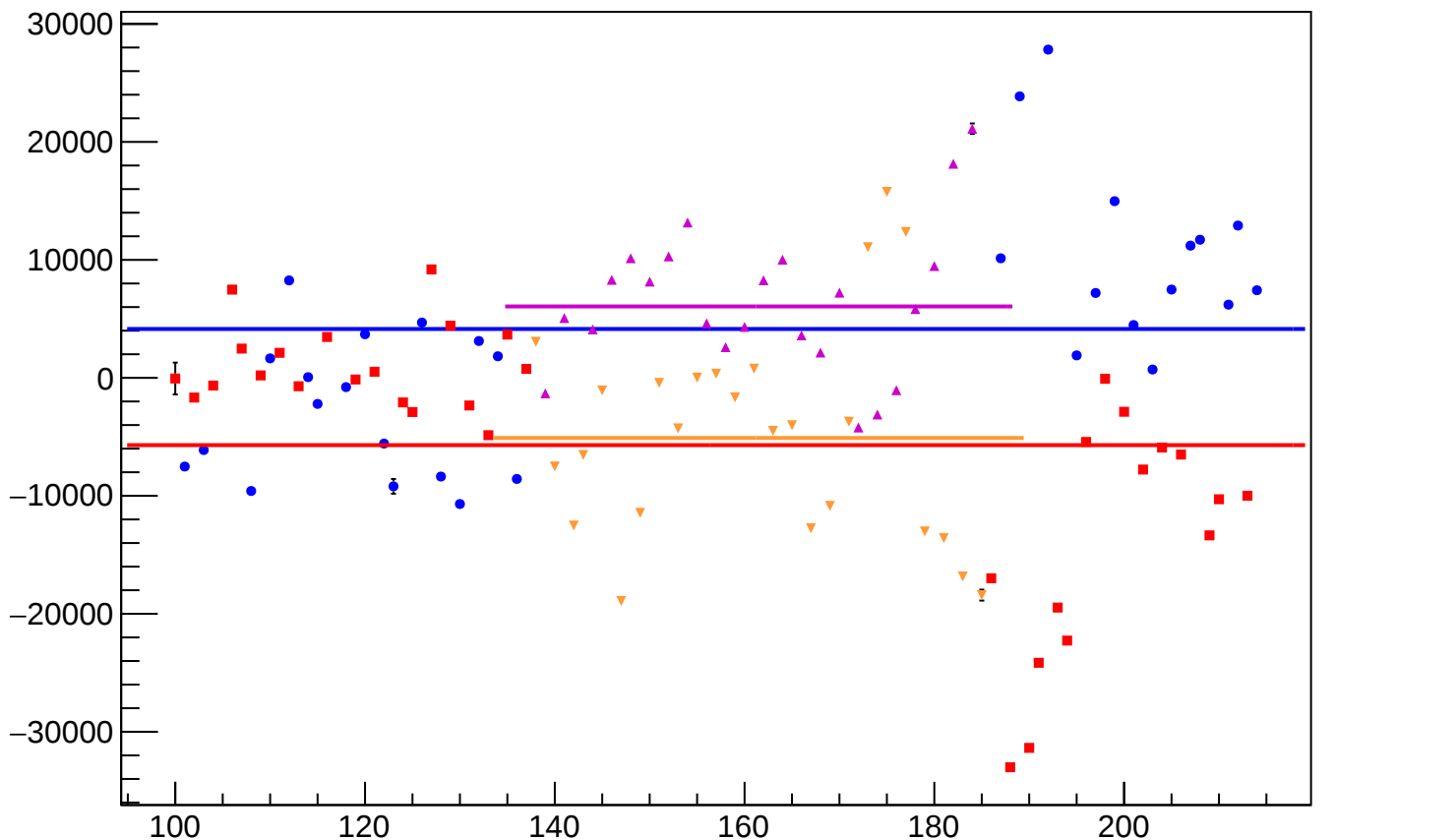
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 236.413 $\pm$ 0.031 χ^2 /NDF: 10884619.5/55

All: 229.890 $\pm$ 0.021 χ^2 /NDF: 21127047.3/11

- sign 223.979 $\pm$ 0.030 χ^2 /NDF: 10158448.2/56

asym_bpm1i02WS_mean vs Slug



Right In: 4142.773+/-34.109 χ^2/NDF : 79671.5/30

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5703.034+/-32.712 χ^2/NDF : 103898.9/33

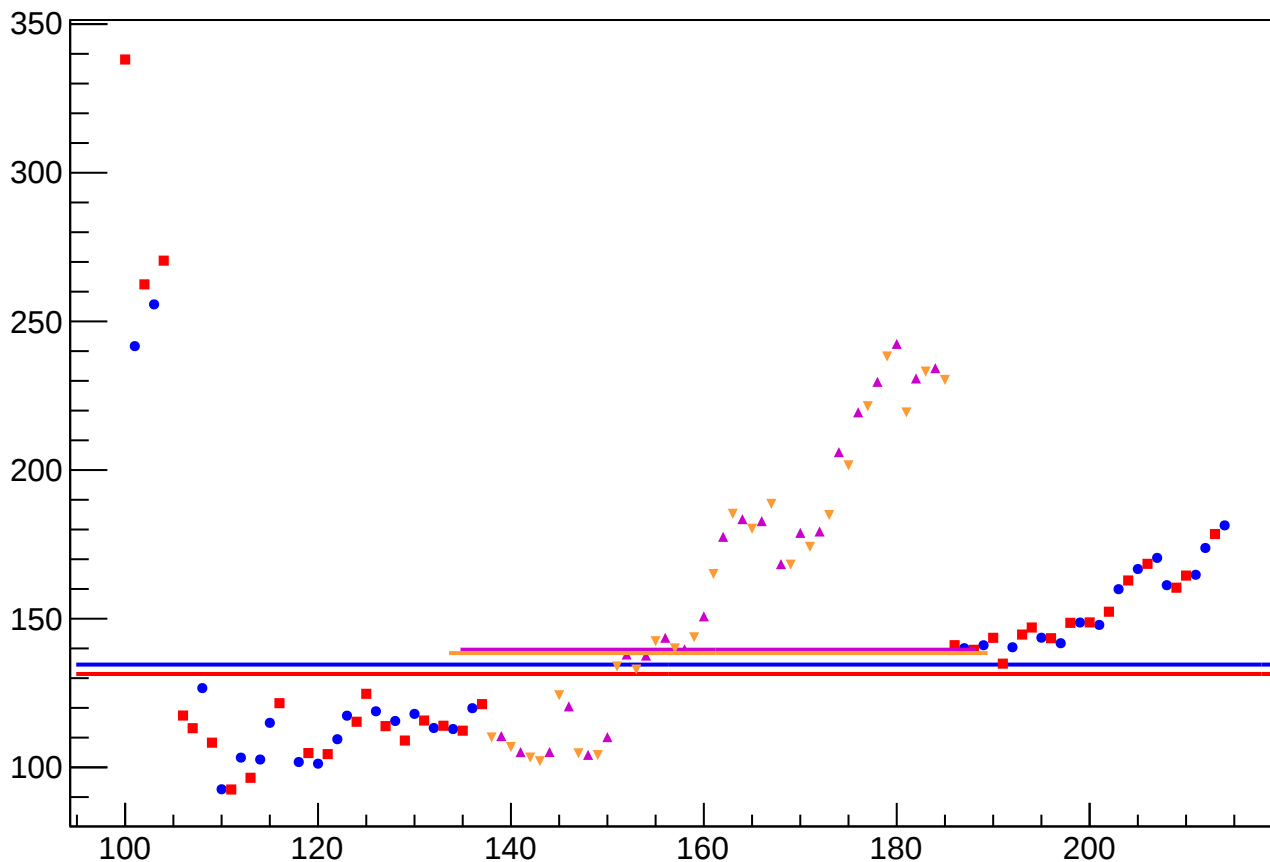
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -531.515+/-23.974 χ^2/NDF : 171182.7/55

All: -375.901+/-16.925 χ^2/NDF : 352983.7/11

- sign -221.271+/-23.898 χ^2/NDF : 181717.0/56

asym_bpm1i02WS_rms vs Slug



Right In: 134.564+/-0.024 χ^2/NDF : 1537585.4/30

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 131.408+/-0.023 χ^2/NDF : 1585555.3/33

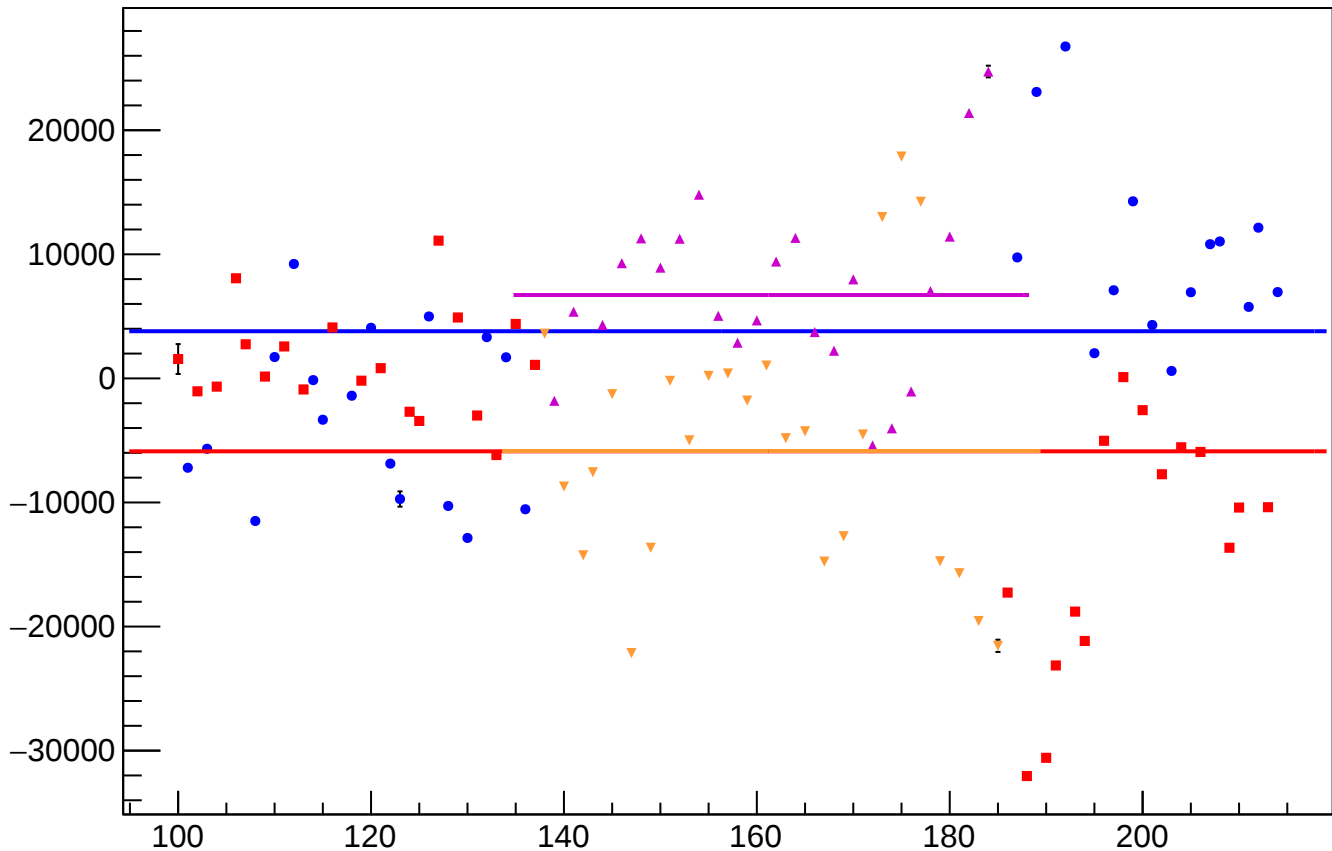
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 136.523+/-0.017 χ^2/NDF : 4100060.2/55

All: 135.868+/-0.012 χ^2/NDF : 8160424.8/112

- sign 135.217+/-0.017 χ^2/NDF : 4057388.1/56

asym_bpm2i01WS_mean vs Slug



Right In: 3801.111+/-34.071 χ^2/NDF : 84761.6/30

Left Out: -5852.544+/-35.880 χ^2/NDF : 63411.4/24

+ sign -776.216+/-24.706 χ^2/NDF : 186239.5/55

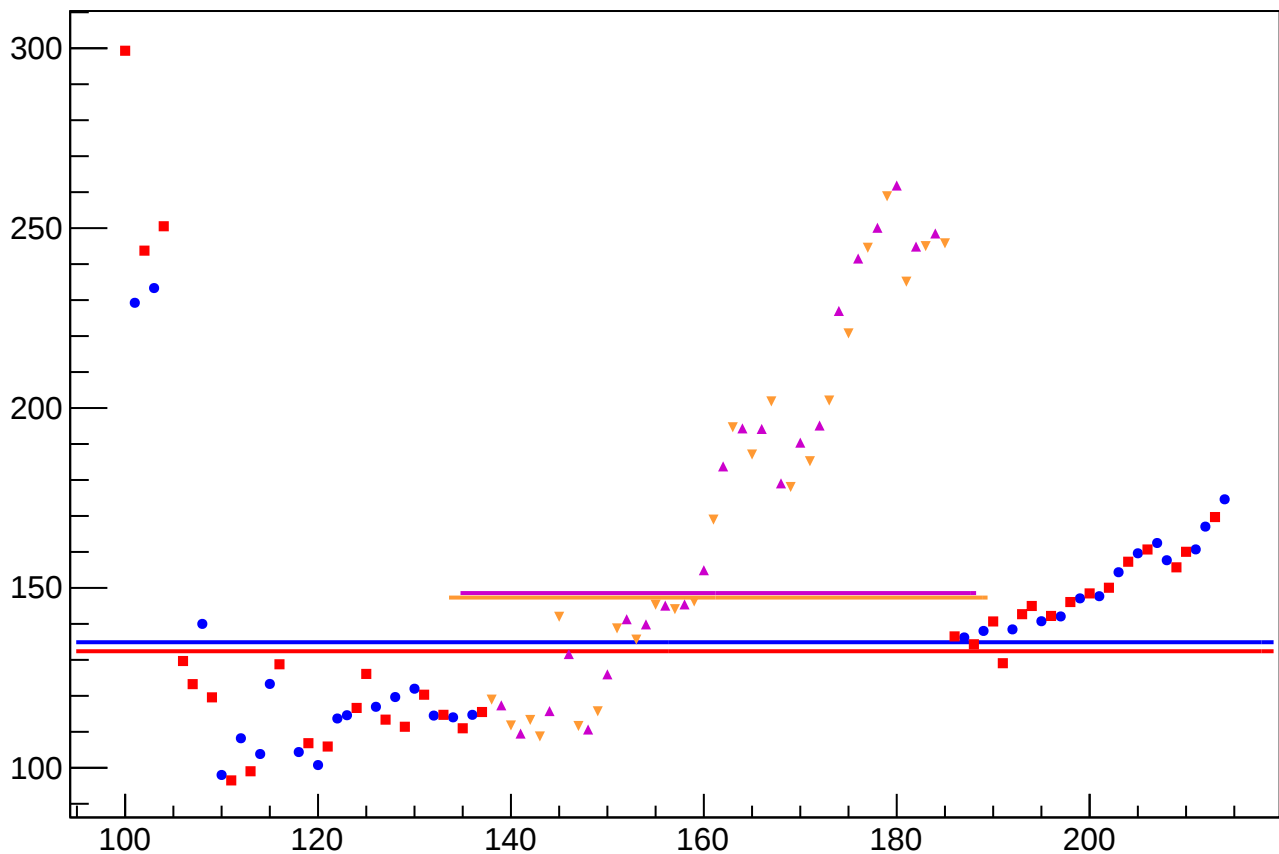
Right Out: -5876.653+/-32.830 χ^2/NDF : 104675.2/33

All: -574.837+/-17.445 χ^2/NDF : 376278.1/111

Left In: 6718.475+/-37.276 χ^2/NDF : 20934.3/22

- sign -374.589+/-24.637 χ^2/NDF : 189906.1/56

asym_bpm2i01WS_rms vs Slug



Right In: 134.905+/-0.024 χ^2/NDF : 1217371.0/30

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 132.398+/-0.023 χ^2/NDF : 1229295.8/33

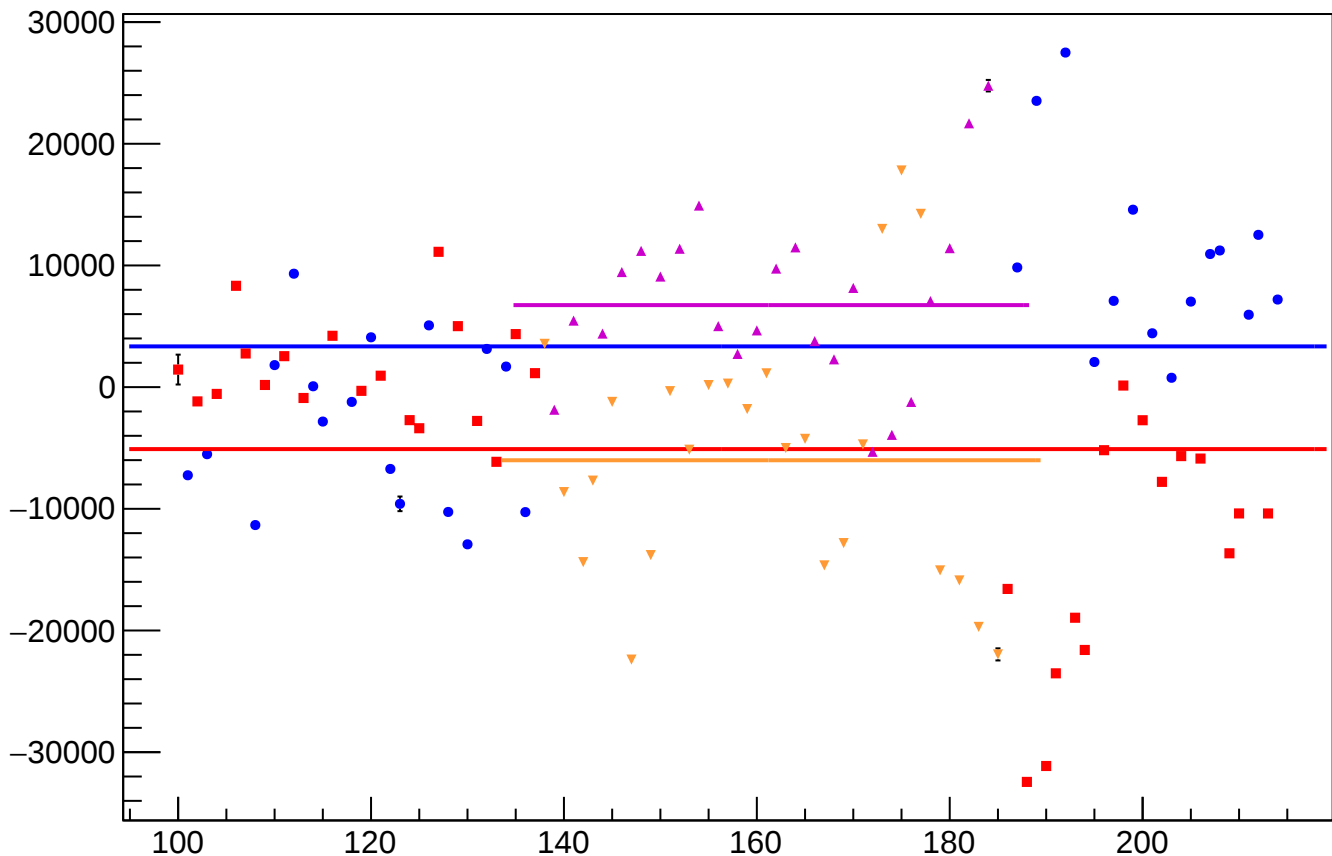
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 140.790+/-0.017 χ^2/NDF : 3854911.3/55

All: 140.124+/-0.012 χ^2/NDF : 7692253.4/112

- sign 139.462+/-0.017 χ^2/NDF : 3834443.5/56

asym_bpm2i02WS_mean vs Slug



Right In: 3347.878 ± 34.079 $\chi^2/\text{NDF}: 84557.2/30$

Left Out: -6009.913 ± 35.082 $\chi^2/\text{NDF}: 67852.2/24$

Right Out: -5092.440 ± 32.820 $\chi^2/\text{NDF}: 99776.9/33$

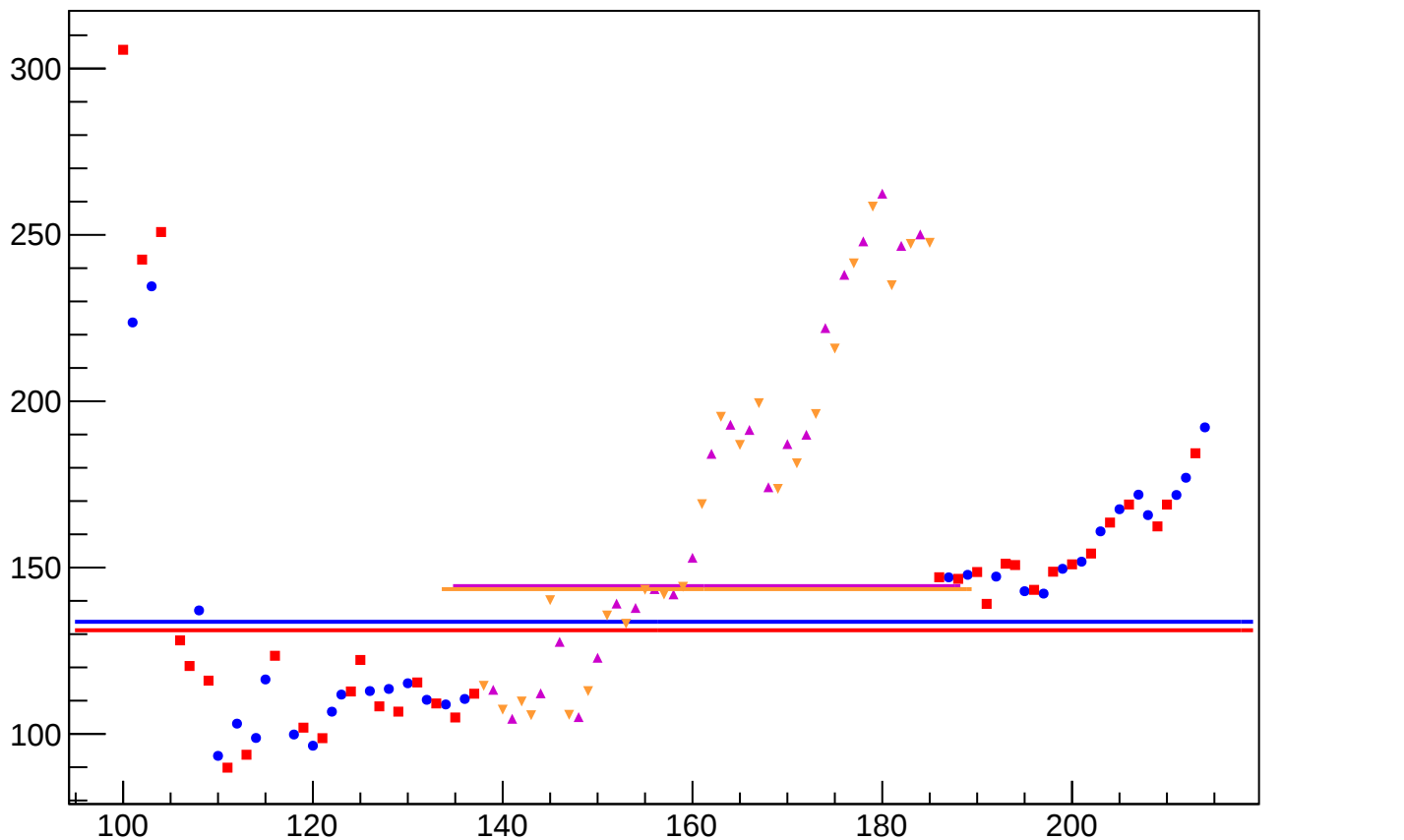
Left In: 6740.666 ± 36.379 $\chi^2/\text{NDF}: 22071.8/22$

+ sign -1195.277 ± 24.444 $\chi^2/\text{NDF}: 189016.0/55$

All: -486.951 ± 17.258 $\chi^2/\text{NDF}: 370867.4/11$

- sign 216.981 ± 24.369 $\chi^2/\text{NDF}: 180177.2/56$

asym_bpm2i02WS_rms vs Slug



Right In: 133.709+/-0.024 χ^2/NDF : 1703297.9/30

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 131.166+/-0.023 χ^2/NDF : 1731252.3/33

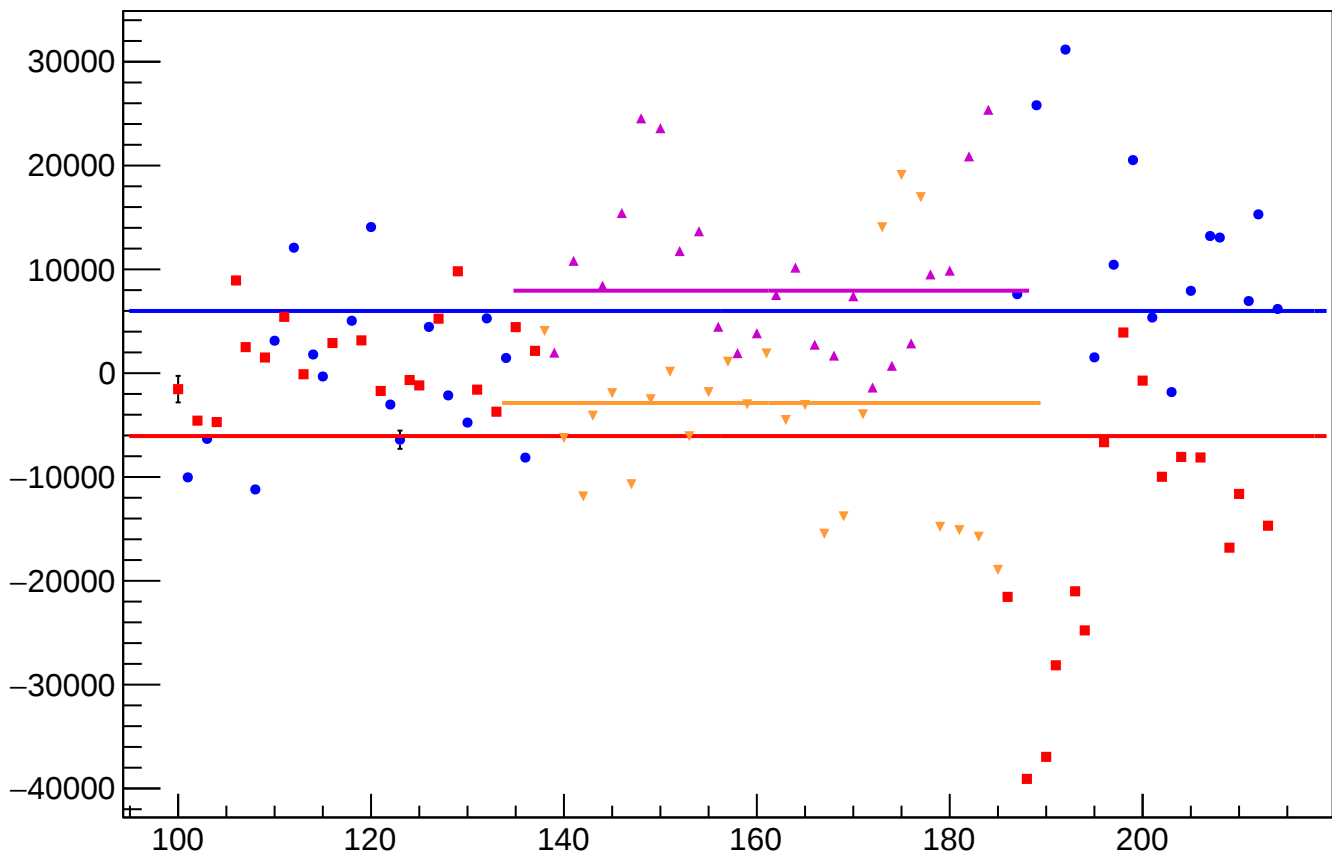
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 138.478+/-0.017 χ^2/NDF : 4488734.2/55

All: 137.797+/-0.012 χ^2/NDF : 8956799.3/112

- sign 137.122+/-0.017 χ^2/NDF : 4464978.2/56

asym_bpm0i01WS_mean vs Slug



Right In: 5992.854+/-41.088 χ^2/NDF : 63479.1/30

Left Out: -2870.473+/-39.482 χ^2/NDF : 46420.3/24

Right Out: -6056.897+/-39.629 χ^2/NDF : 99863.5/33

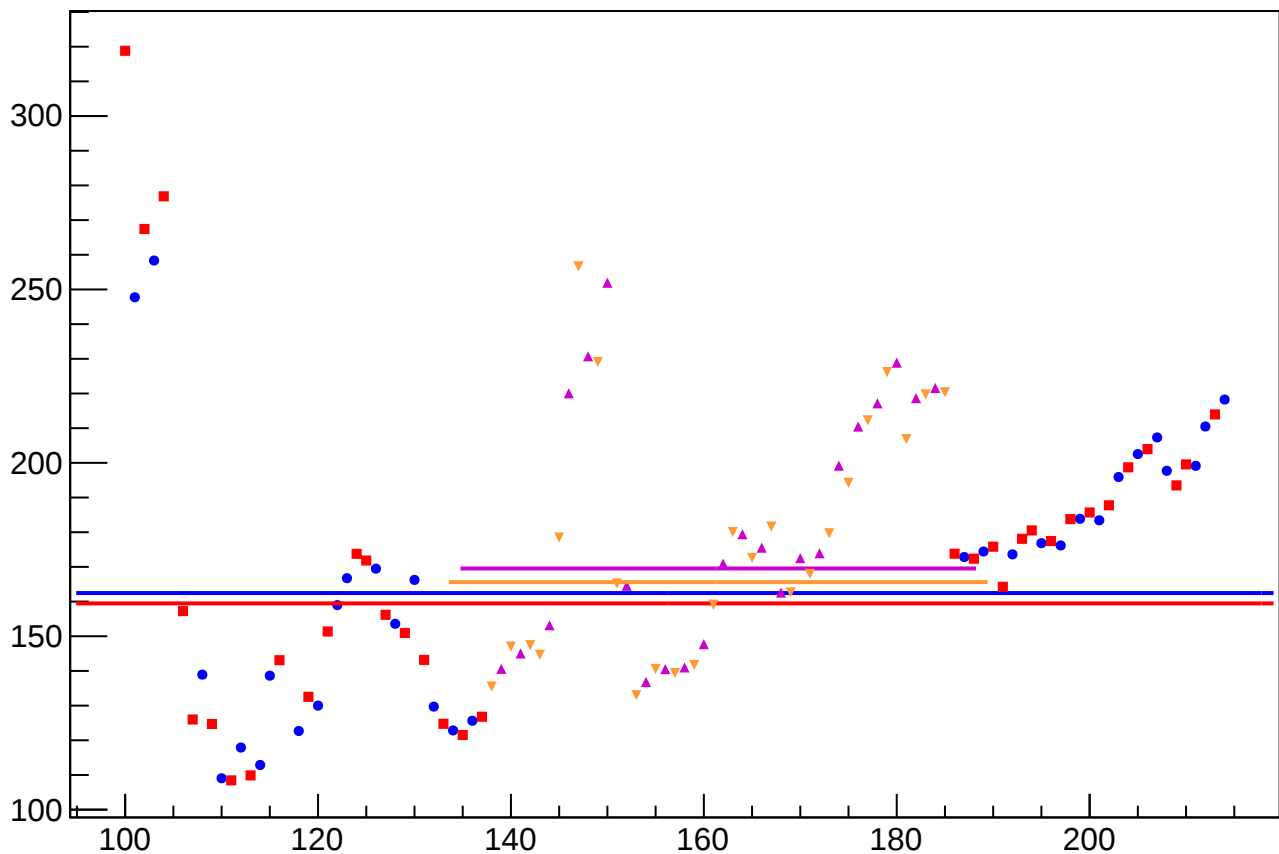
Left In: 7947.160+/-41.726 χ^2/NDF : 23874.5/22

+ sign 1384.588+/-28.469 χ^2/NDF : 134092.9/55

All: 988.267+/-20.224 χ^2/NDF : 317443.8/112

- sign 584.511+/-28.735 χ^2/NDF : 182959.7/56

asym_bpm0i01WS_rms vs Slug



Right In: 162.460+/-0.029 χ^2/NDF : 1560879.7/30

Left Out: 165.616+/-0.028 χ^2/NDF :1144779.3/24

Right Out: 159.475+/-0.028 χ^2/NDF : 1603636.1/33

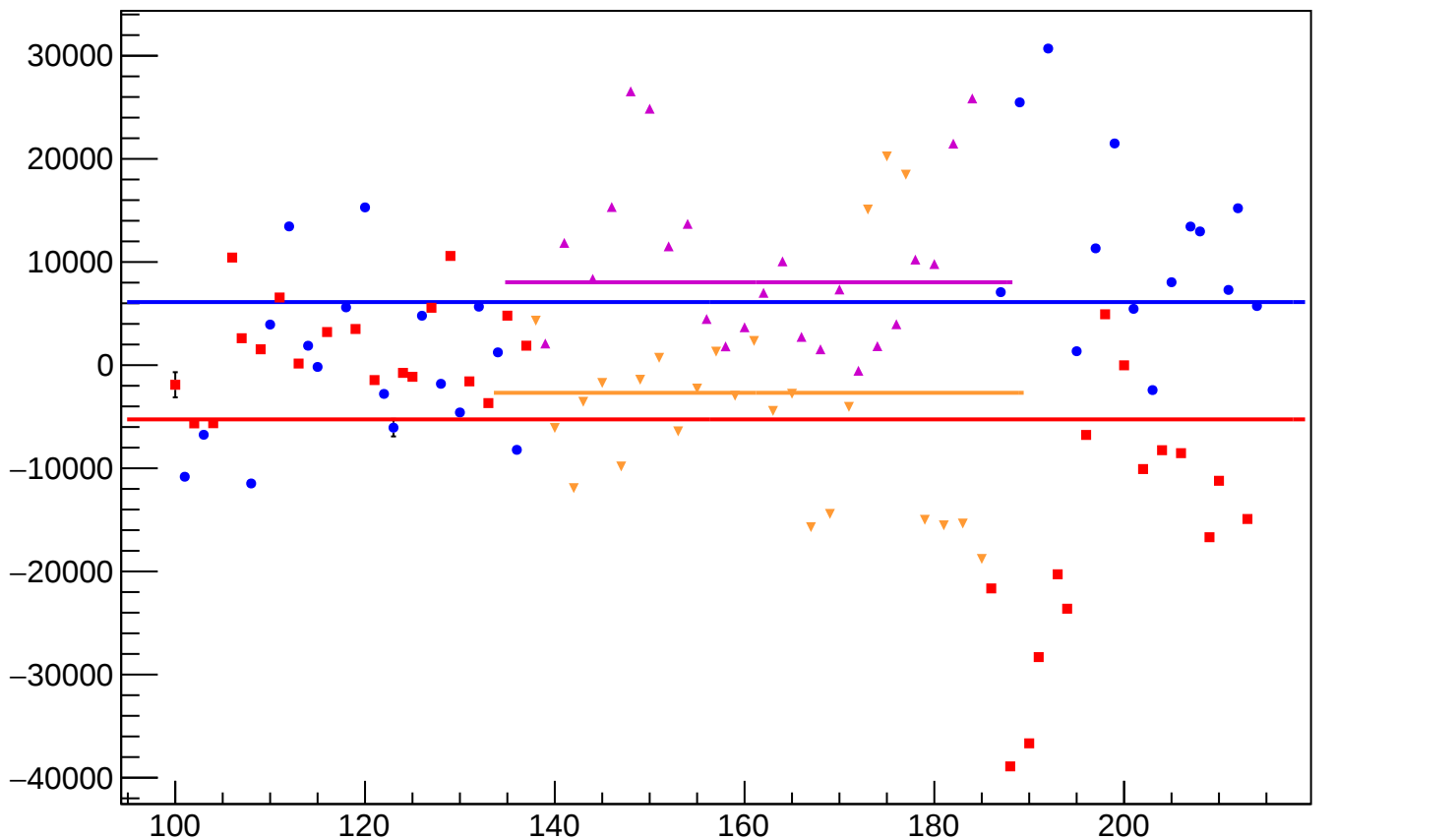
Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

+ sign 164.101+/-0.020 χ^2/NDF : 2711797.2/55

All: 164.174+/-0.014 χ^2/NDF : 5535907.1/112

- sign 164.249+/-0.020 χ^2/NDF : 2824083.1/56

asym_bpm0i01aWS_mean vs Slug



Right In: 6116.274+/-34.808 χ^2/NDF : 88924.3/30

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -5257.217+/-33.338 χ^2/NDF : 139706.5/33

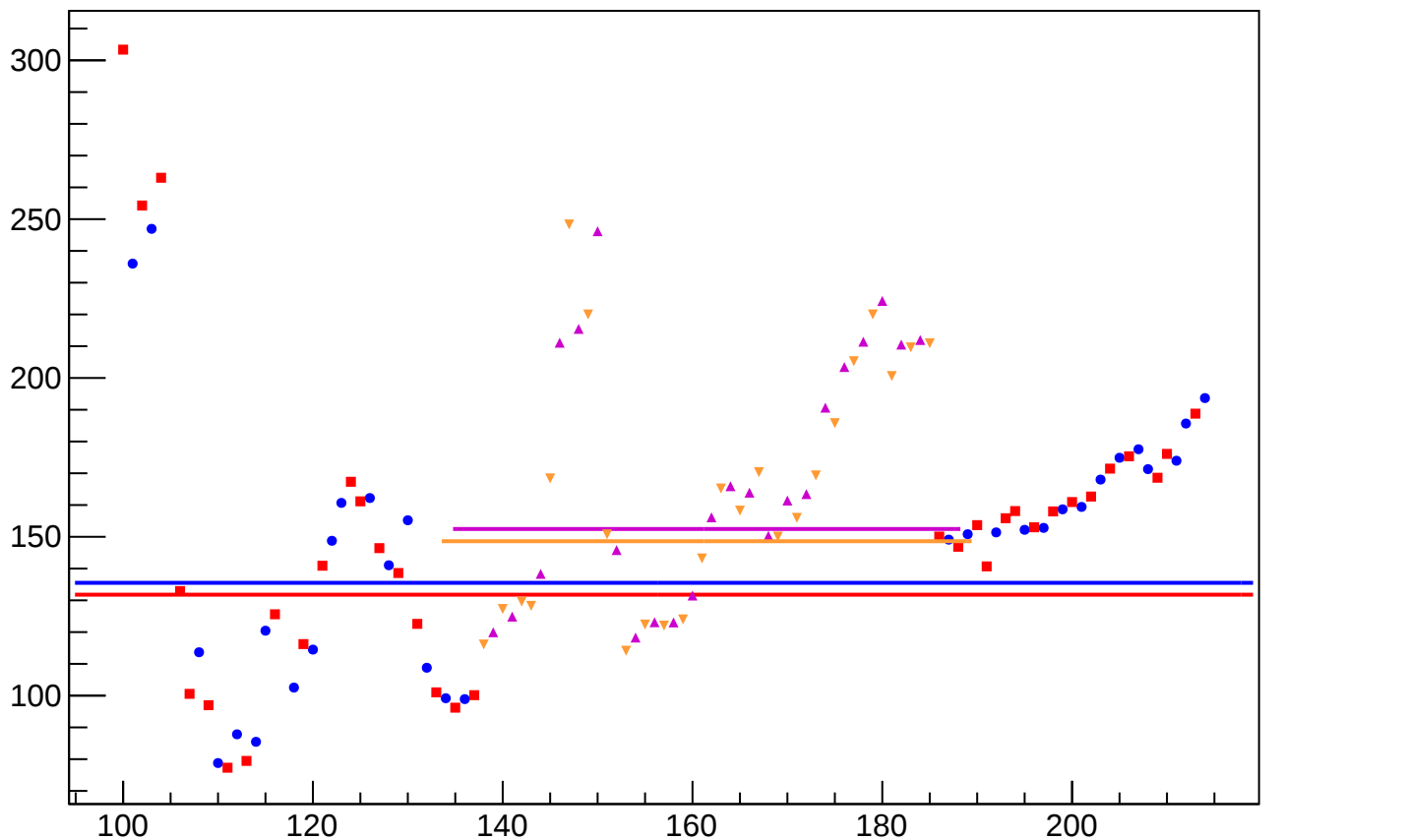
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 1837.277+/-24.944 χ^2/NDF : 176811.4/55

All: 1189.989+/-17.671 χ^2/NDF : 416446.5/111

- sign 537.755+/-25.039 χ^2/NDF : 238283.1/56

asym_bpm0i01aWS_rms vs Slug



Right In: 135.513 $\pm$ 0.025 χ^2 /NDF: 2370002.9/30

Left Out: 148.611 $\pm$ 0.025 χ^2 /NDF:1685424.1/24

Right Out: 131.780 $\pm$ 0.024 χ^2 /NDF: 2552244.7/33

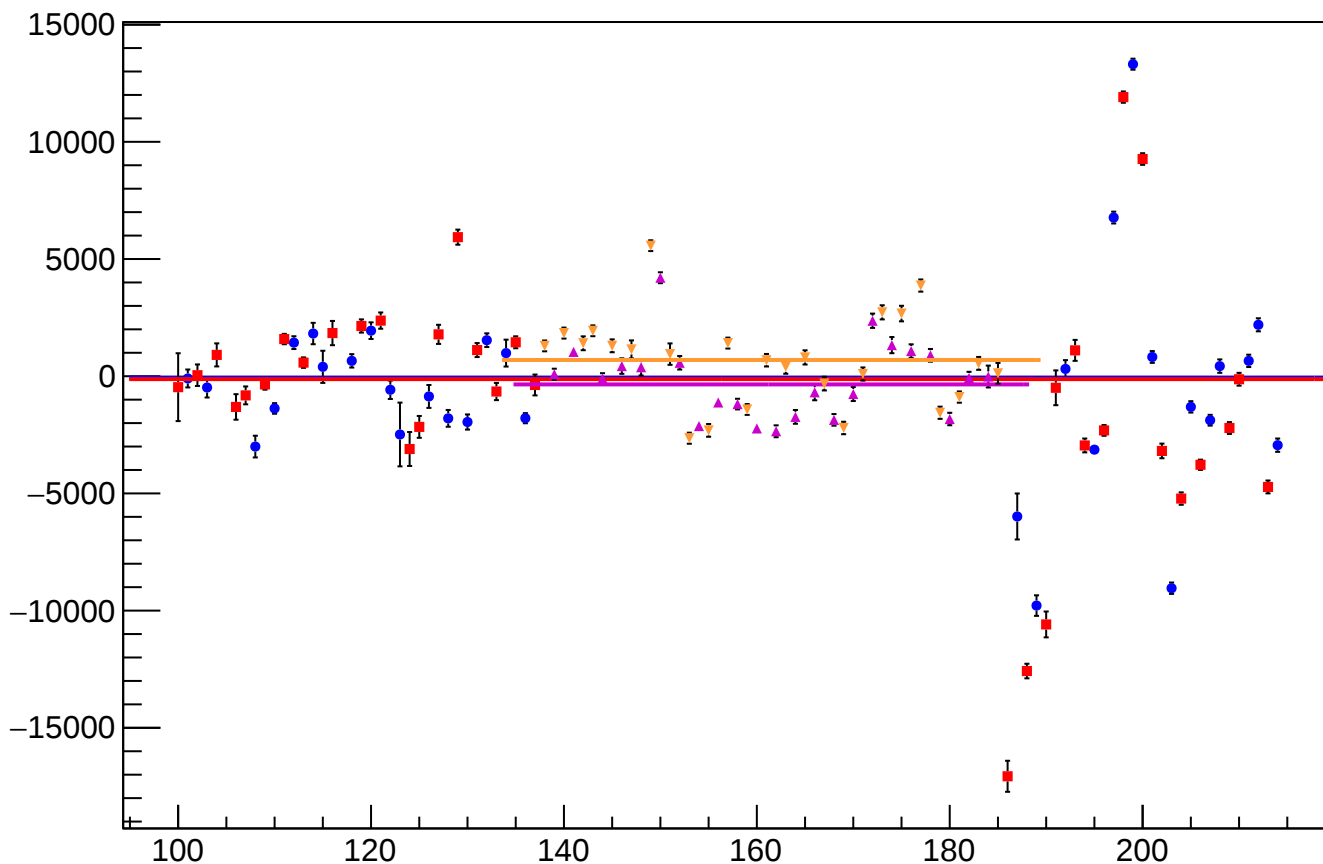
Left In: 152.463 $\pm$ 0.027 χ^2 /NDF:1691517.7/22

+ sign 141.884 $\pm$ 0.018 χ^2 /NDF: 4193183.0/55

All: 141.342 $\pm$ 0.012 χ^2 /NDF: 8774420.4/112

- sign 140.796 $\pm$ 0.018 χ^2 /NDF: 4579340.4/56

asym_bpm0l01WS_mean vs Slug



Right In: -57.568 ± 54.952 χ^2/NDF : 6663.5/30

Left Out: 692.998 ± 54.303 χ^2/NDF : 1422.0/24

Right Out: -123.535 ± 54.199 χ^2/NDF : 8508.3/33

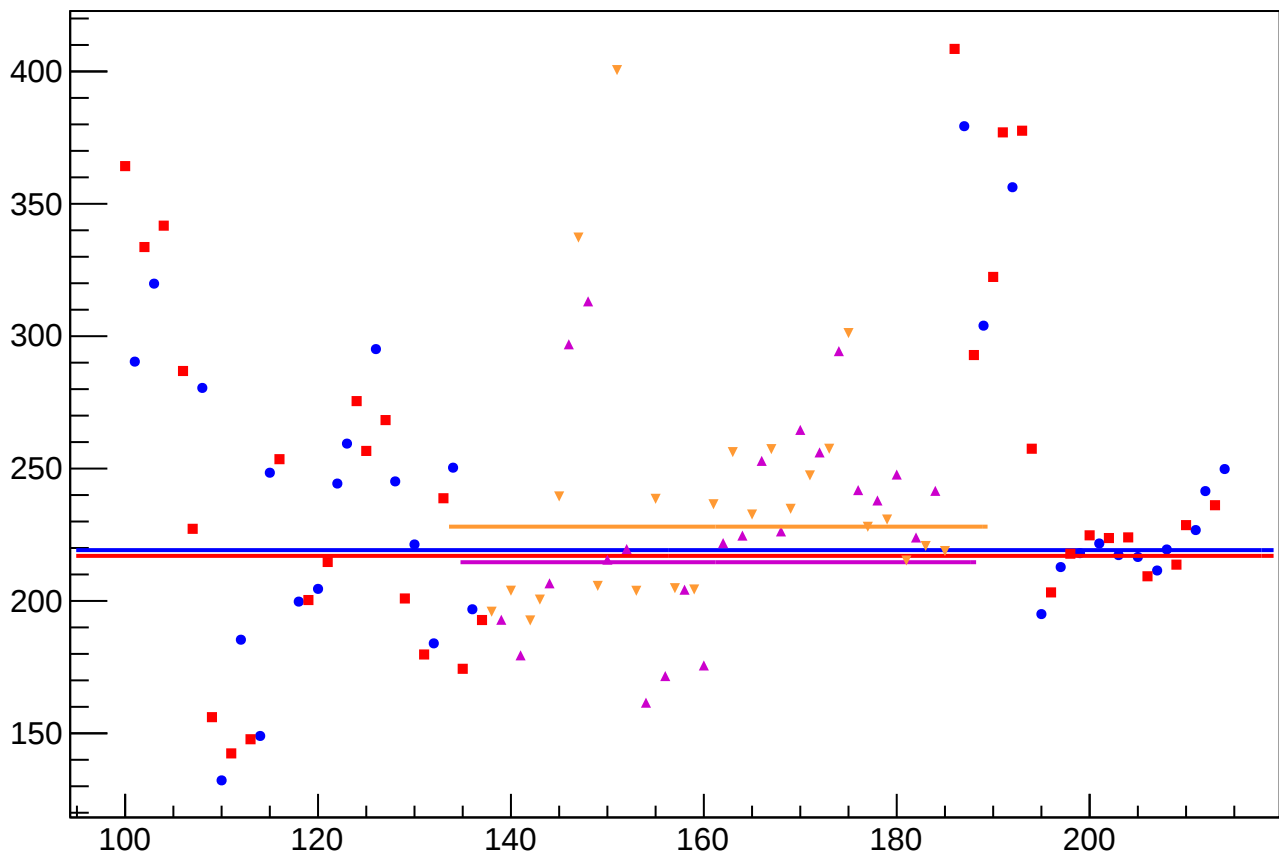
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 322.173 ± 38.626 χ^2/NDF : 8179.9/55

All: 36.518 ± 27.062 χ^2/NDF : 17785.4/112

- sign -238.907 ± 37.928 χ^2/NDF : 9498.1/56

asym_bpm0l01WS_rms vs Slug



Right In: 219.196 $\pm$ 0.039 χ^2 /NDF: 1192702.8/30

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF:826343.8/24

Right Out: 217.026 $\pm$ 0.038 χ^2 /NDF: 1837116.6/33

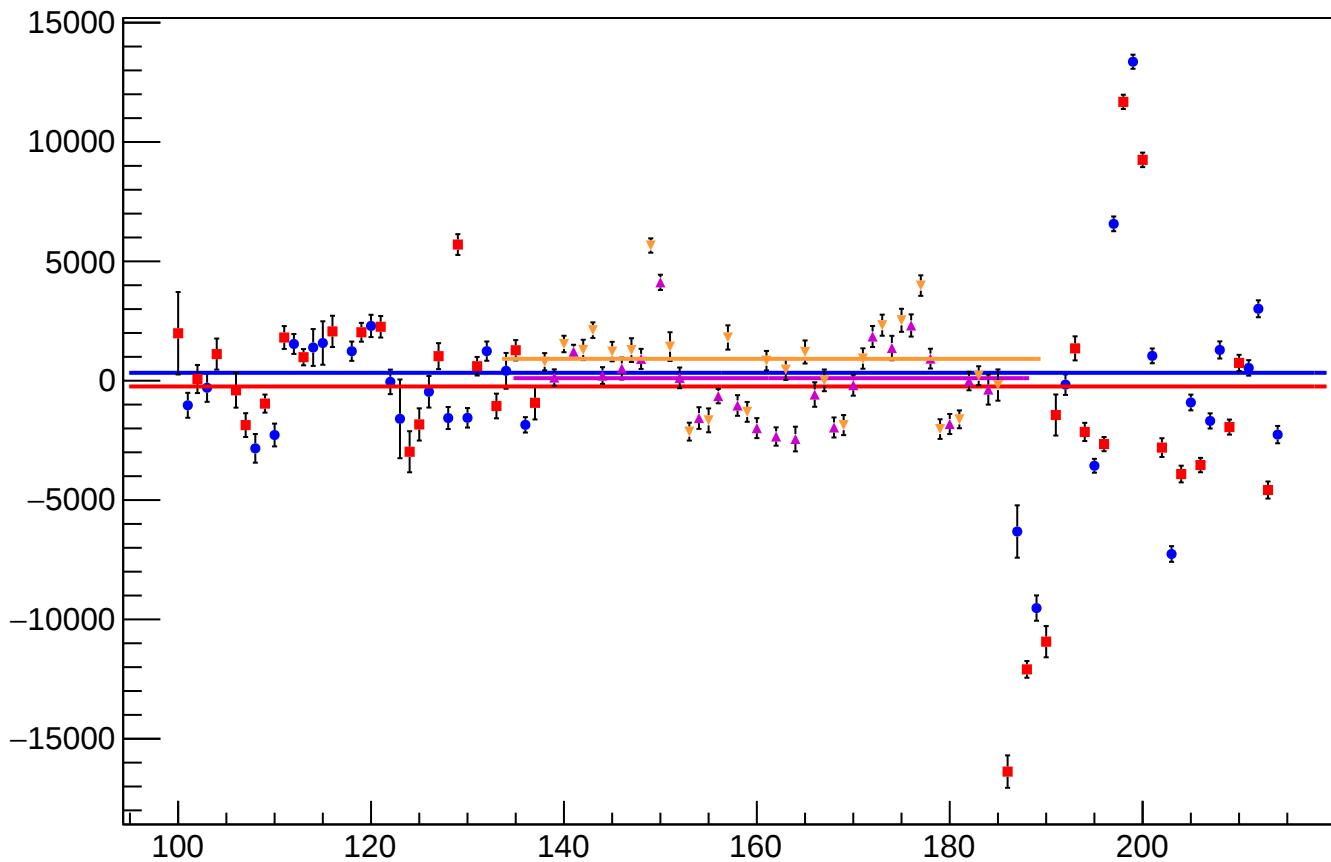
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF:1025683.3/22

+ sign 223.681 $\pm$ 0.027 χ^2 /NDF: 2045378.3/55

All: 219.670 $\pm$ 0.019 χ^2 /NDF: 4952549.0/112

- sign 215.802 $\pm$ 0.027 χ^2 /NDF: 2864799.7/56

asym_bpm0l02WS_mean vs Slug



Right In: 330.952 ± 73.970 χ^2/NDF : 3813.3/30

Left Out: 915.968 ± 83.398 χ^2/NDF : 618.3/24

Right Out: -241.641 ± 73.442 χ^2/NDF : 5444.1/33

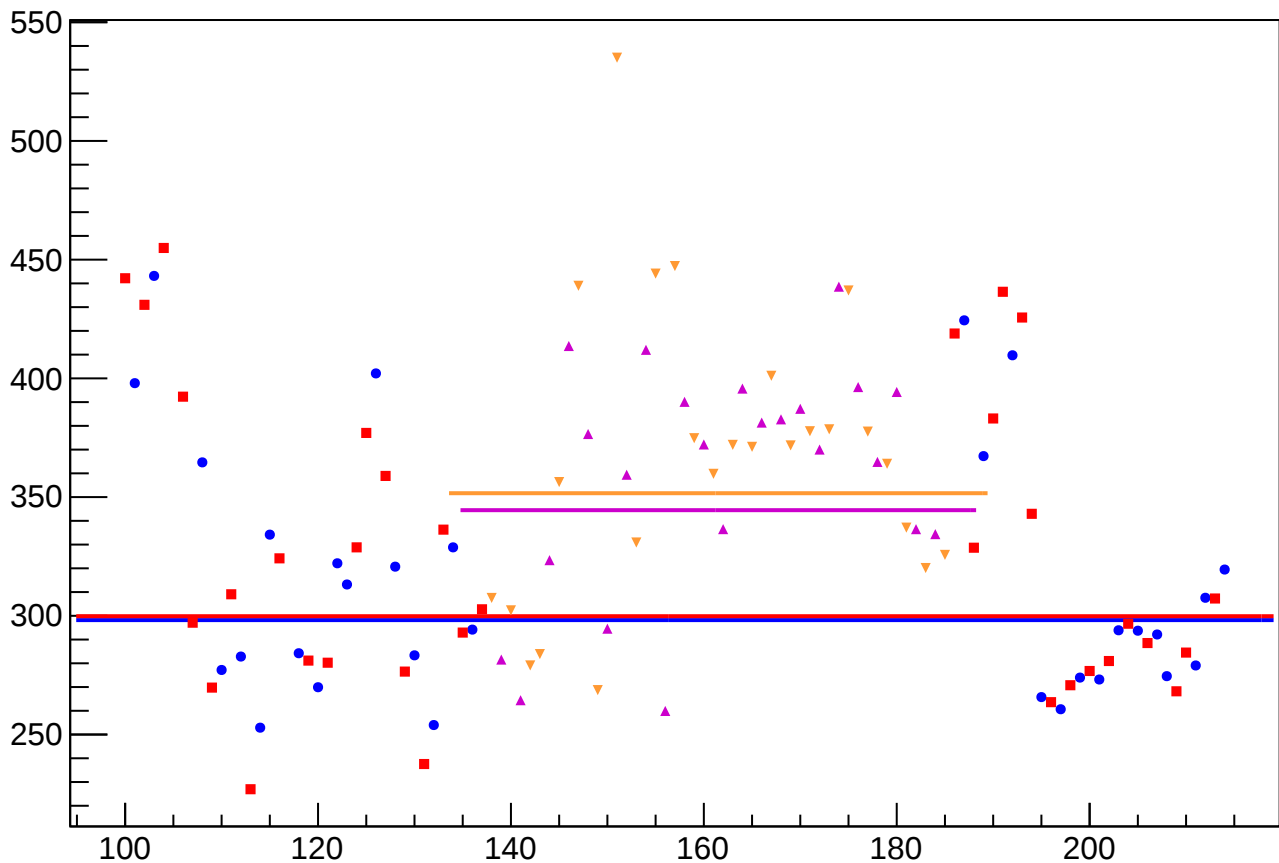
Left In: 106.116 ± 84.393 χ^2/NDF : 390.3/22

+ sign 588.536 ± 55.339 χ^2/NDF : 4459.2/55

All: 248.763 ± 39.153 χ^2/NDF : 10378.7/112

- sign -91.775 ± 55.401 χ^2/NDF : 5844.1/56

asym_bpm0l02WS_rms vs Slug



Right In: 298.193+/-0.052 χ^2/NDF : 633992.9/30

Left Out: 351.633+/-0.059 χ^2/NDF : 907849.3/24

Right Out: 299.829+/-0.052 χ^2/NDF : 894271.9/33

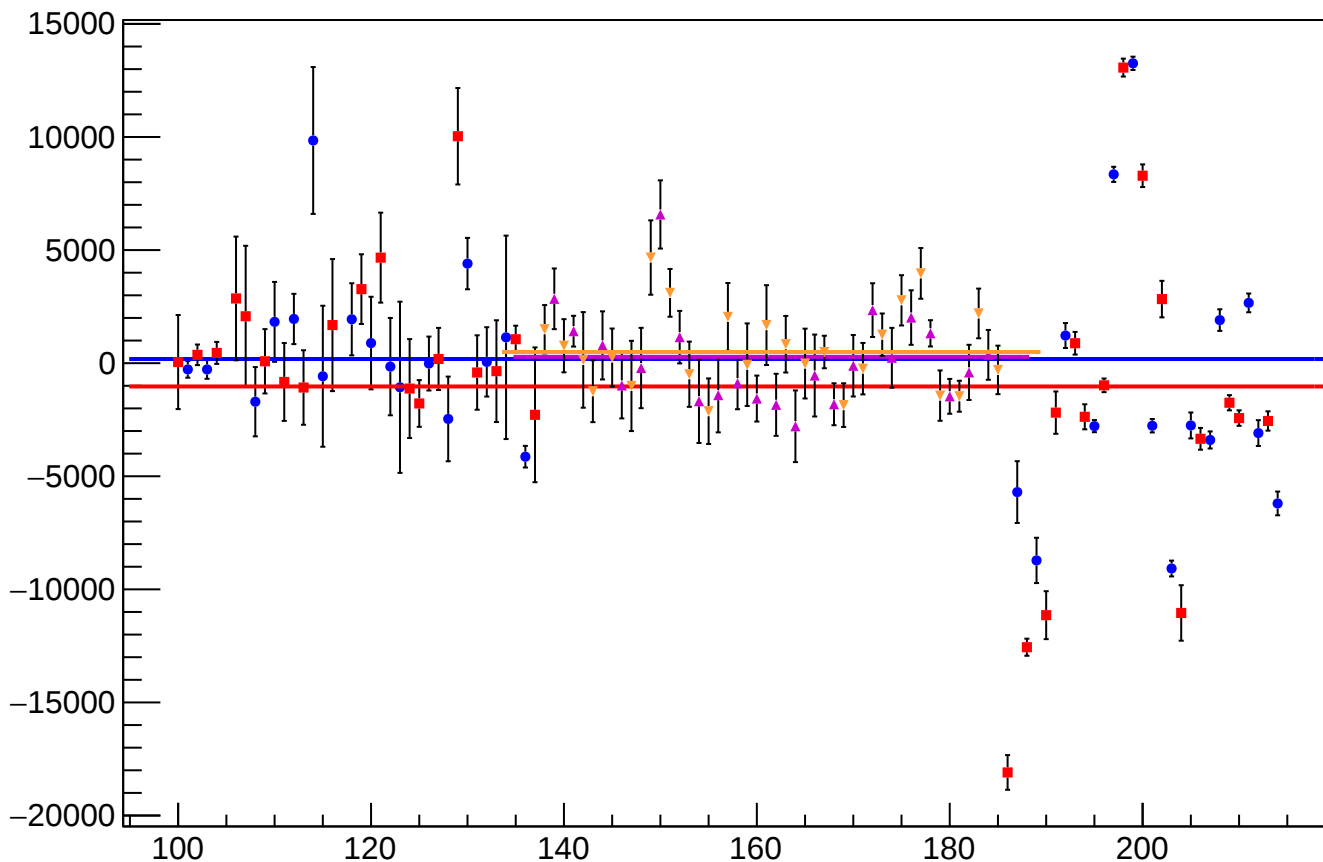
Left In: 344.491+/-0.060 χ^2/NDF : 768885.4/22

+ sign 321.723+/-0.039 χ^2/NDF : 2001466.9/55

All: 320.401+/-0.028 χ^2/NDF : 3985643.4/112

- sign 319.076+/-0.039 χ^2/NDF : 1981892.3/56

asym_bpm0l03WS_mean vs Slug



Right In: 184.580 $\pm$ 96.158 χ^2 /NDF: 4054.0/30

Left Out: 495.014 $\pm$ 231.058 χ^2 /NDF:56.2/24

Right Out: -1029.800 $\pm$ 108.141 χ^2 /NDF: 3373.8/33

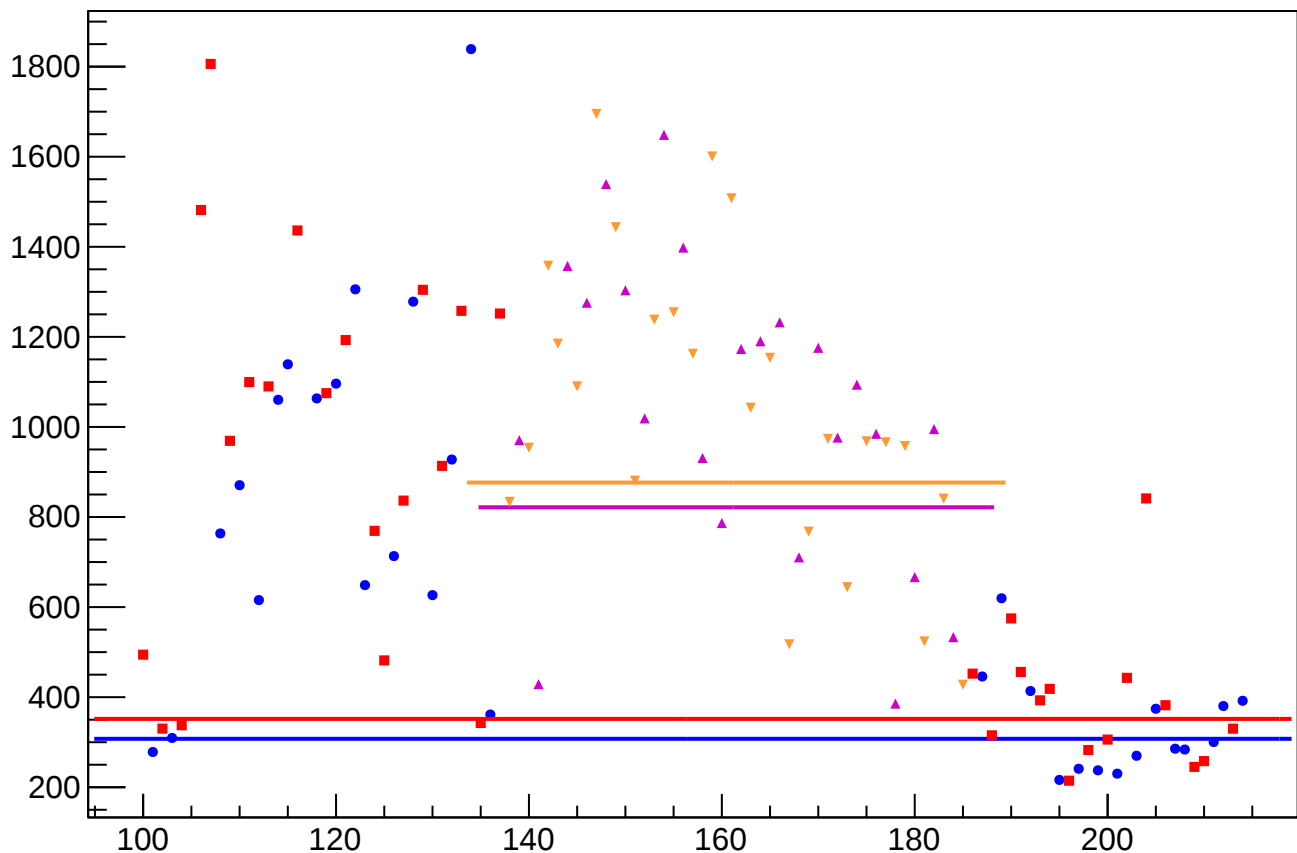
Left In: 280.692 $\pm$ 232.048 χ^2 /NDF:57.2/22

+ sign 230.407 $\pm$ 88.777 χ^2 /NDF: 4111.8/55

All: -232.122 $\pm$ 65.800 χ^2 /NDF: 7629.3/112

- sign -795.969 $\pm$ 98.019 χ^2 /NDF: 3457.2/56

asym_bpm0l03WS_rms vs Slug



Right In: 307.542 $\pm$ 0.068 χ^2 /NDF: 4496061.0/30

Left Out: 876.560 $\pm$ 0.163 χ^2 /NDF:3434698.7/24

Right Out: 351.784 $\pm$ 0.076 χ^2 /NDF: 5922820.5/33

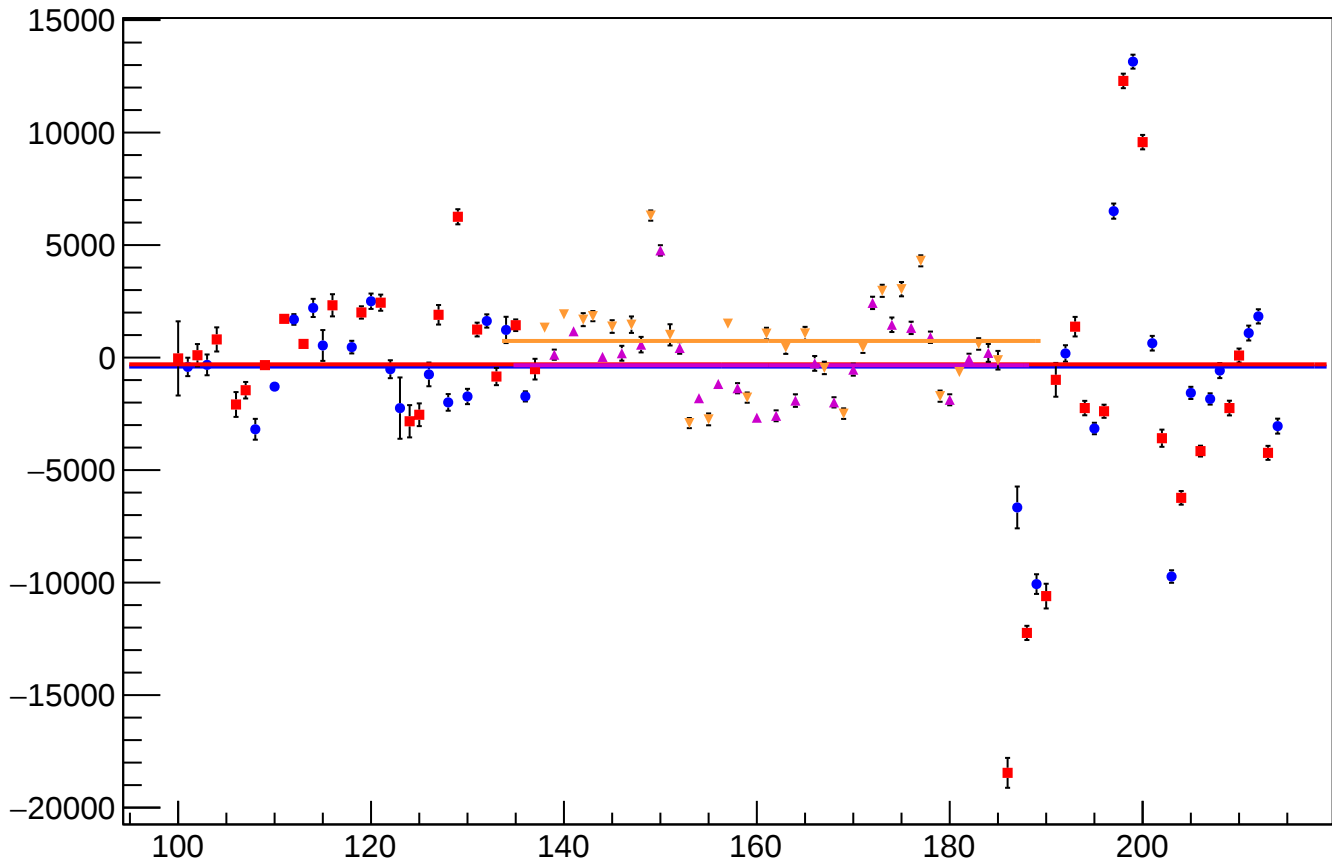
Left In: 821.657 $\pm$ 0.164 χ^2 /NDF:4443094.2/22

+ sign 391.542 $\pm$ 0.063 χ^2 /NDF: 18269589.6/55

All: 411.407 $\pm$ 0.047 χ^2 /NDF: 35594967.0/11

- sign 435.623 $\pm$ 0.069 χ^2 /NDF: 17103168.4/56

asym_bpm0l04WS_mean vs Slug



Right In: -400.114 ± 59.340 $\chi^2/\text{NDF}: 4678.9/30$

Left Out: 738.847 ± 51.649 $\chi^2/\text{NDF}: 1935.2/24$

Right Out: -299.949 ± 57.189 $\chi^2/\text{NDF}: 6832.6/33$

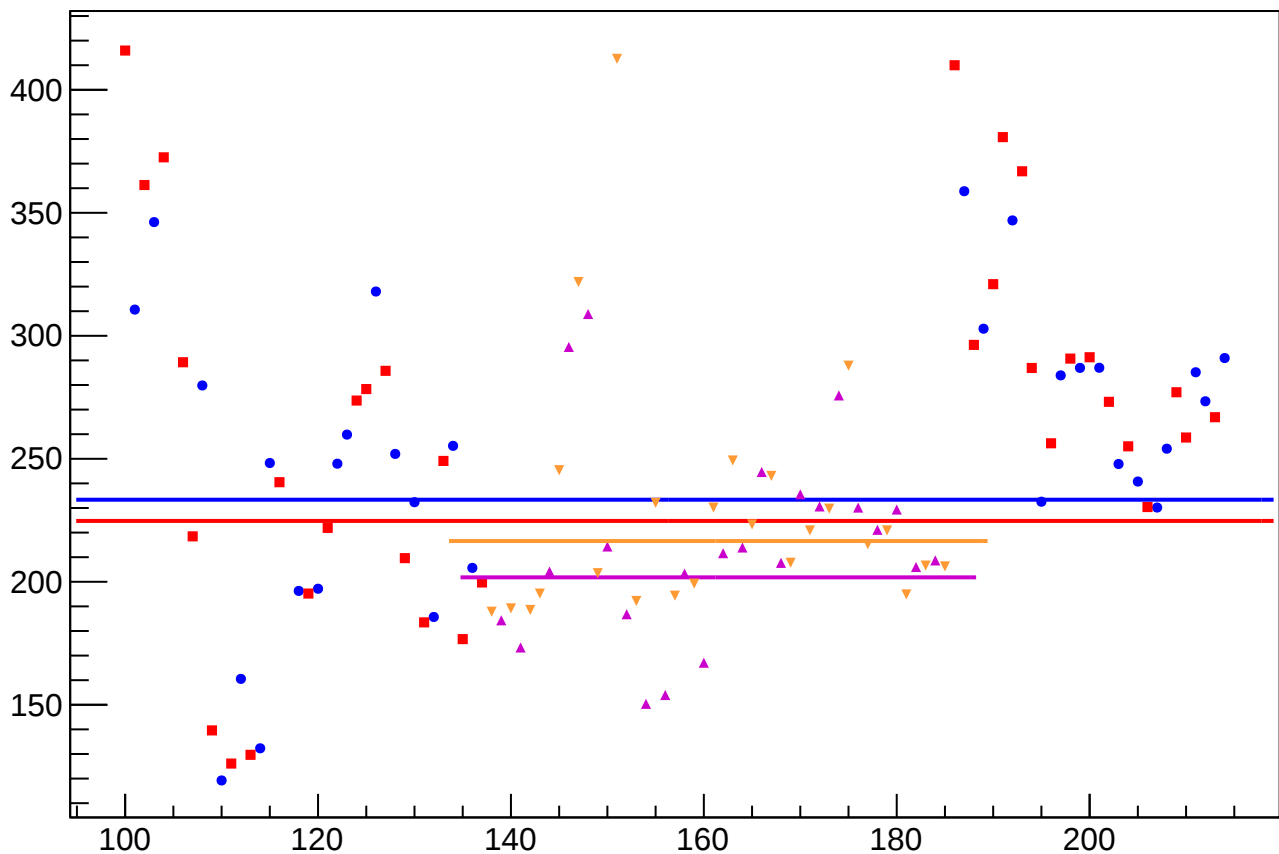
Left In: -342.465 ± 50.044 $\chi^2/\text{NDF}: 1254.9/22$

+ sign 247.912 ± 38.959 $\chi^2/\text{NDF}: 6823.7/55$

All: -47.742 ± 27.077 $\chi^2/\text{NDF}: 15022.9/112$

- sign -324.027 ± 37.661 $\chi^2/\text{NDF}: 8087.8/56$

asym_bpm0l04WS_rms vs Slug



Right In: 233.364 ± 0.042 $\chi^2/\text{NDF}: 1943747.2/30$

Left Out: 216.574 ± 0.037 $\chi^2/\text{NDF}: 886214.1/24$

Right Out: 224.744 ± 0.040 $\chi^2/\text{NDF}: 2959645.6/33$

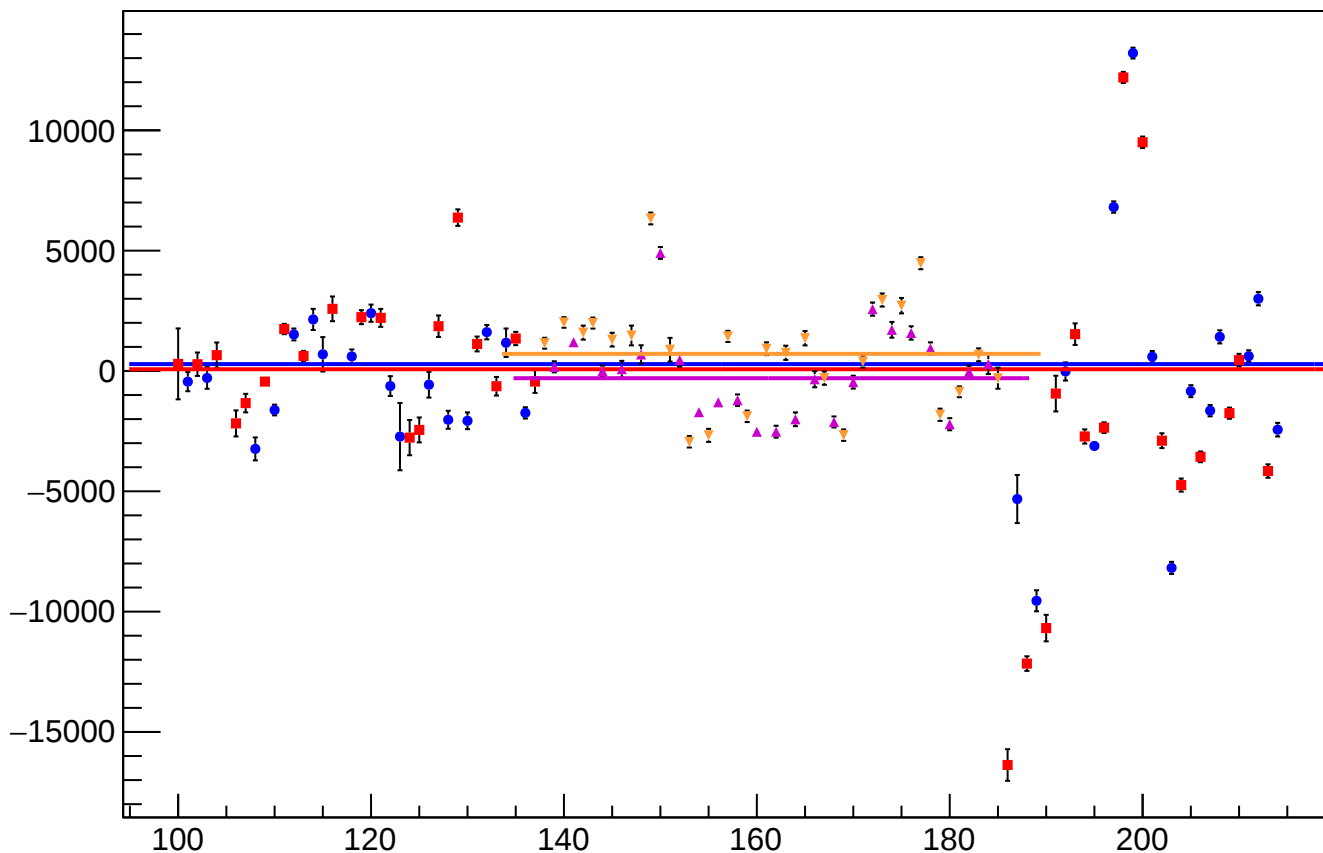
Left In: 201.805 ± 0.035 $\chi^2/\text{NDF}: 1087243.4/22$

+ sign 223.811 ± 0.028 $\chi^2/\text{NDF}: 2921064.5/55$

All: 217.578 ± 0.019 $\chi^2/\text{NDF}: 7249226.9/112$

- sign 211.753 ± 0.027 $\chi^2/\text{NDF}: 4229122.2/56$

asym_bpm0l05WS_mean vs Slug



Right In: 284.888 $\pm$ 54.822 χ^2 /NDF: 6679.5/30

Left Out: 711.174 $\pm$ 53.245 χ^2 /NDF:1835.3/24

Right Out: 71.631 $\pm$ 53.929 χ^2 /NDF: 8769.0/33

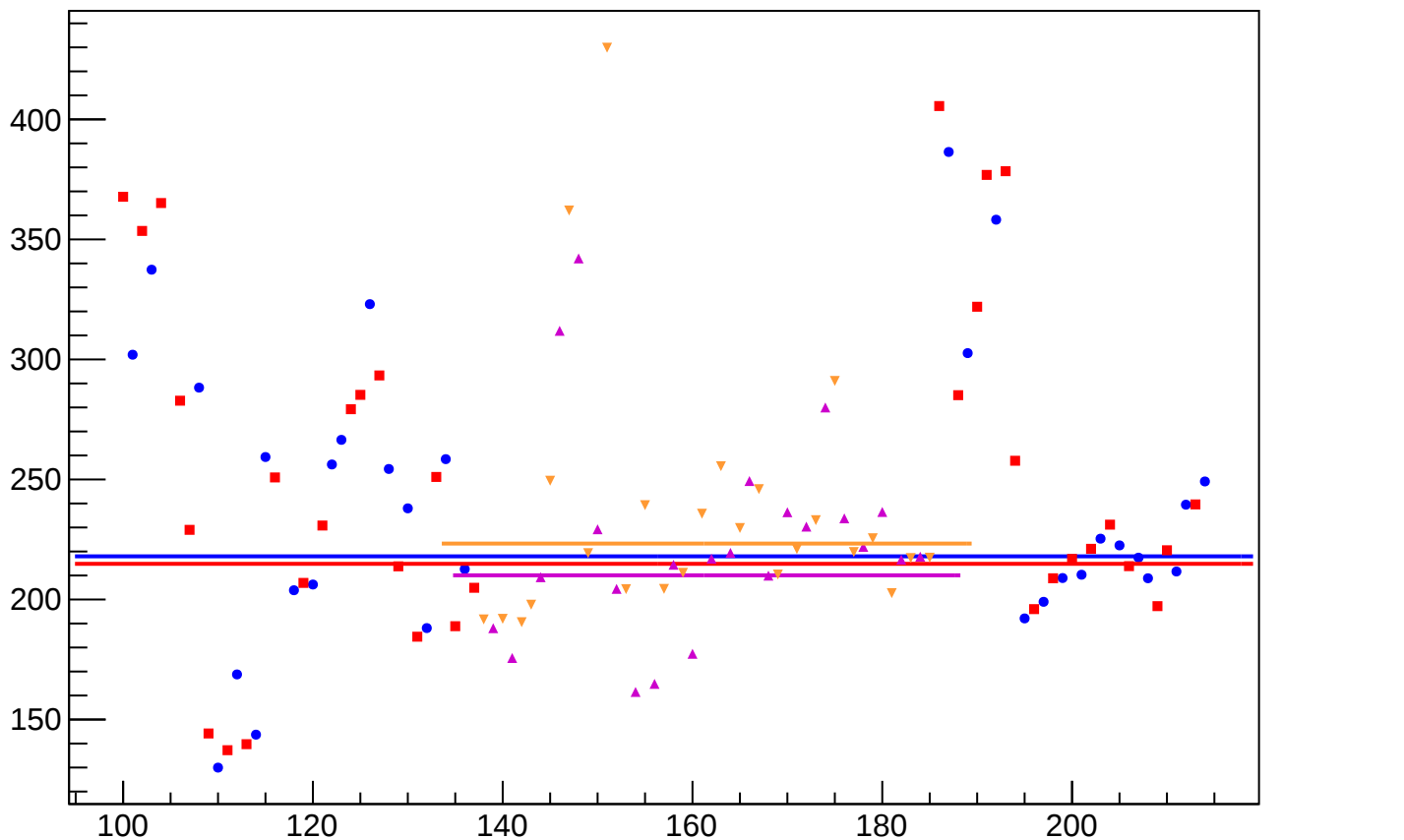
Left In: -300.516 $\pm$ 51.984 χ^2 /NDF:1208.6/22

+ sign 504.250 $\pm$ 38.195 χ^2 /NDF: 8546.0/55

All: 185.133 $\pm$ 26.732 χ^2 /NDF: 18685.0/112

- sign -121.274 $\pm$ 37.427 χ^2 /NDF: 10002.2/56

asym_bpm0l05WS_rms vs Slug



Right In: 217.982+/-0.039 χ^2/NDF : 1386737.8/30

Left Out: 223.296+/-0.038 χ^2/NDF : 922768.4/24

Right Out: 214.858+/-0.038 χ^2/NDF : 2121744.5/33

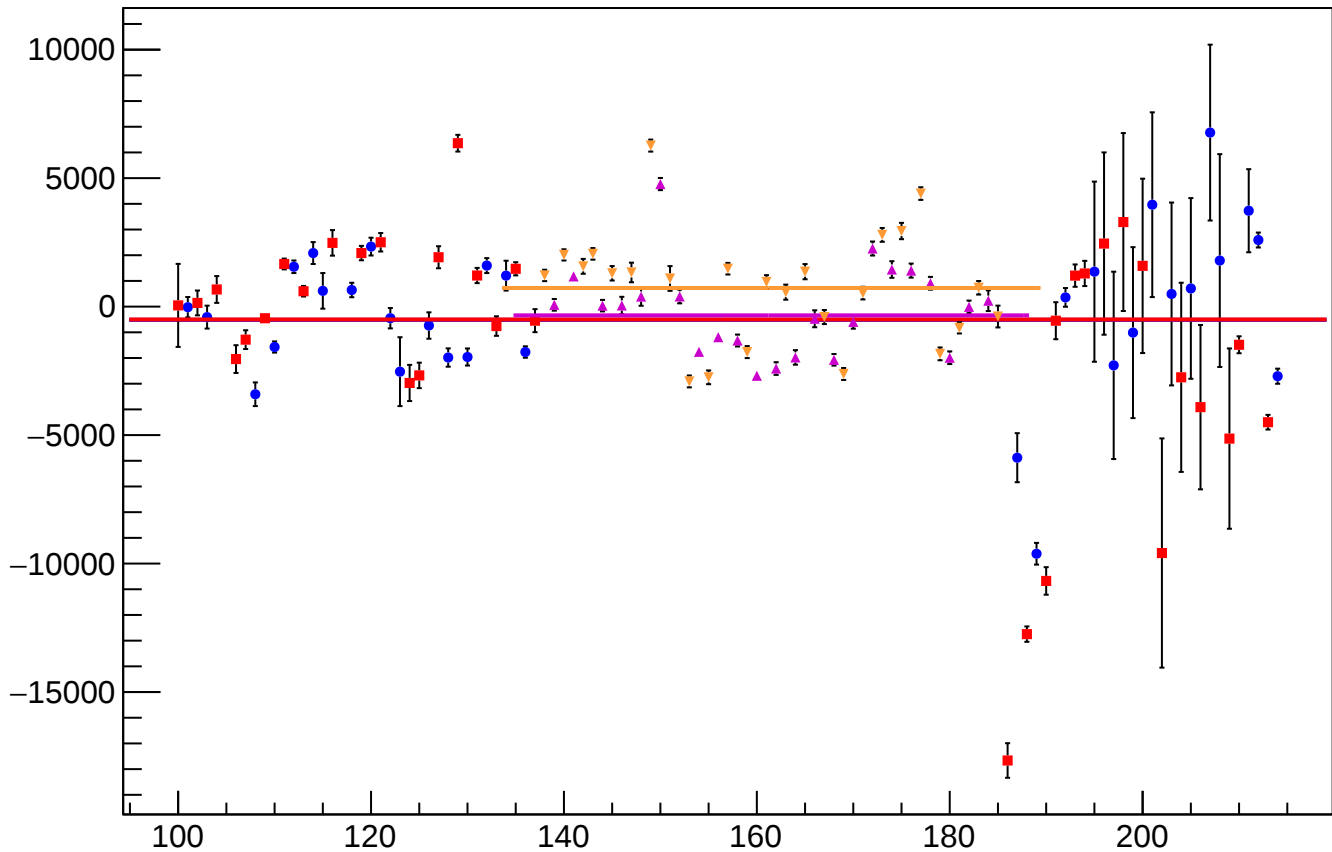
Left In: 210.080+/-0.037 χ^2/NDF : 1015274.5/22

+ sign 220.717+/-0.027 χ^2/NDF : 2319176.0/55

All: 216.464+/-0.019 χ^2/NDF : 5512929.3/112

- sign 212.381+/-0.026 χ^2/NDF : 3145156.2/56

asym_bpm0l06WS_mean vs Slug



Right In: -514.353 ± 73.752 χ^2/NDF : 1076.7/30

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: -500.897 ± 66.560 χ^2/NDF : 3862.5/33

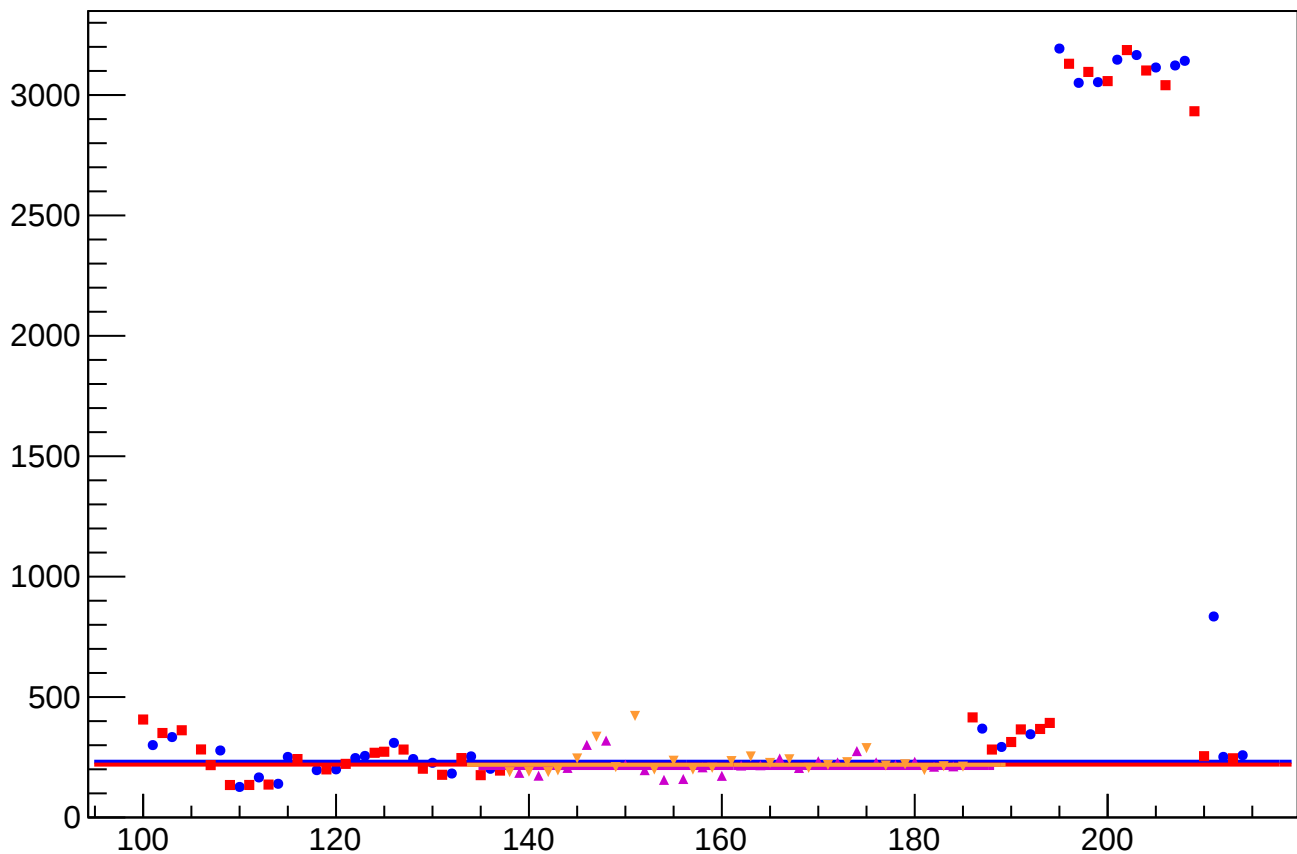
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 312.376 ± 42.585 χ^2/NDF : 3178.0/55

All: -62.461 ± 29.303 χ^2/NDF : 8393.2/112

- sign -399.545 ± 40.384 χ^2/NDF : 5068.0/56

asym_bpm0l06WS_rms vs Slug



Right In: 231.434+/-0.052 χ^2/NDF : 12164814.3/30

Left Out: 218.768+/-0.037 χ^2/NDF : 896914.5/24

Right Out: 219.455+/-0.047 χ^2/NDF : 11495508.0/33

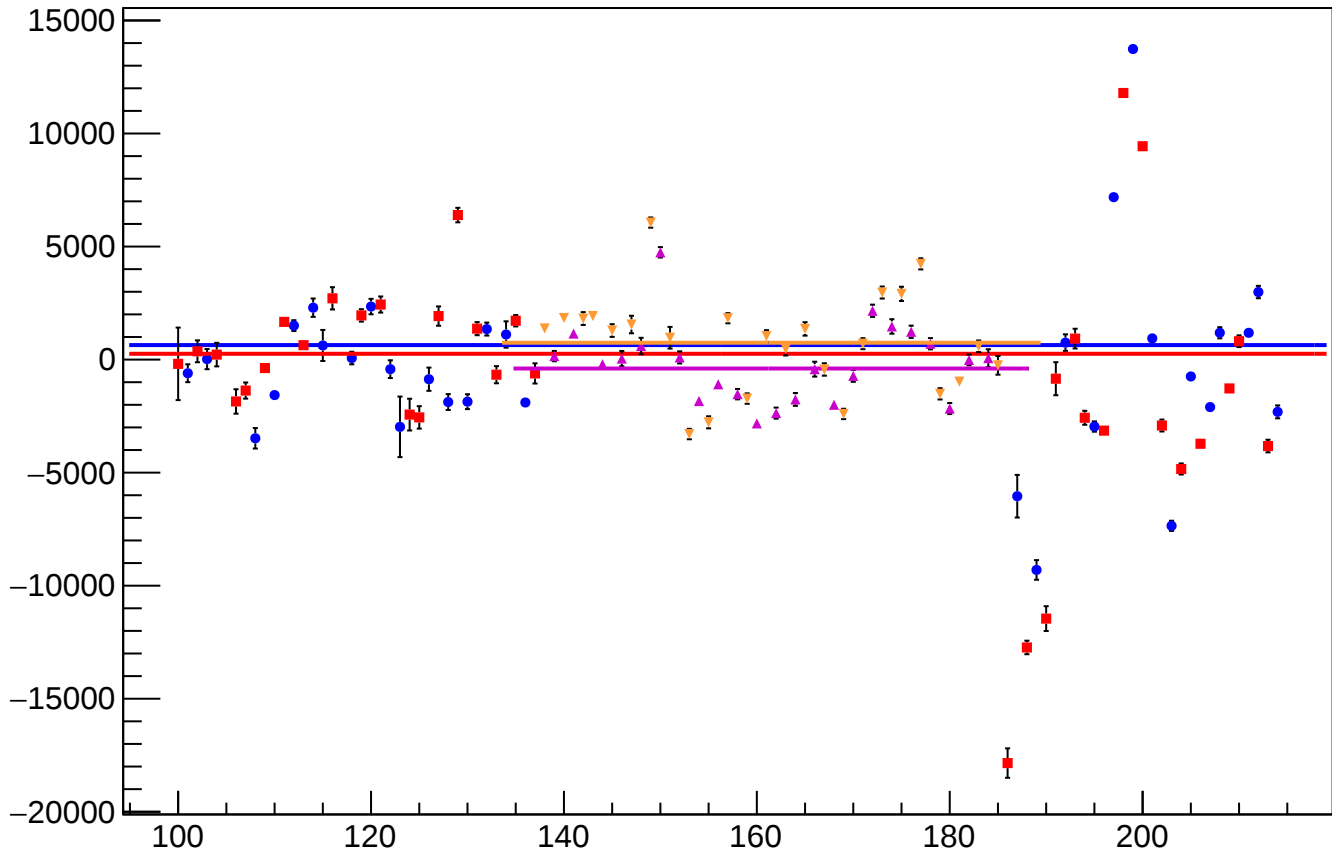
Left In: 205.249+/-0.036 χ^2/NDF : 997168.8/22

+ sign 222.991+/-0.030 χ^2/NDF : 13101044.5/55

All: 216.403+/-0.021 χ^2/NDF : 25742202.8/11

- sign 210.478+/-0.029 χ^2/NDF : 12550246.2/56

asym_bpm0l07WS_mean vs Slug



Right In: 642.023 $\pm$ 51.143 χ^2 /NDF: 8639.9/30

Left Out: 746.405 $\pm$ 51.592 χ^2 /NDF:1942.1/24

Right Out: 256.584 $\pm$ 50.480 χ^2 /NDF: 10591.2/33

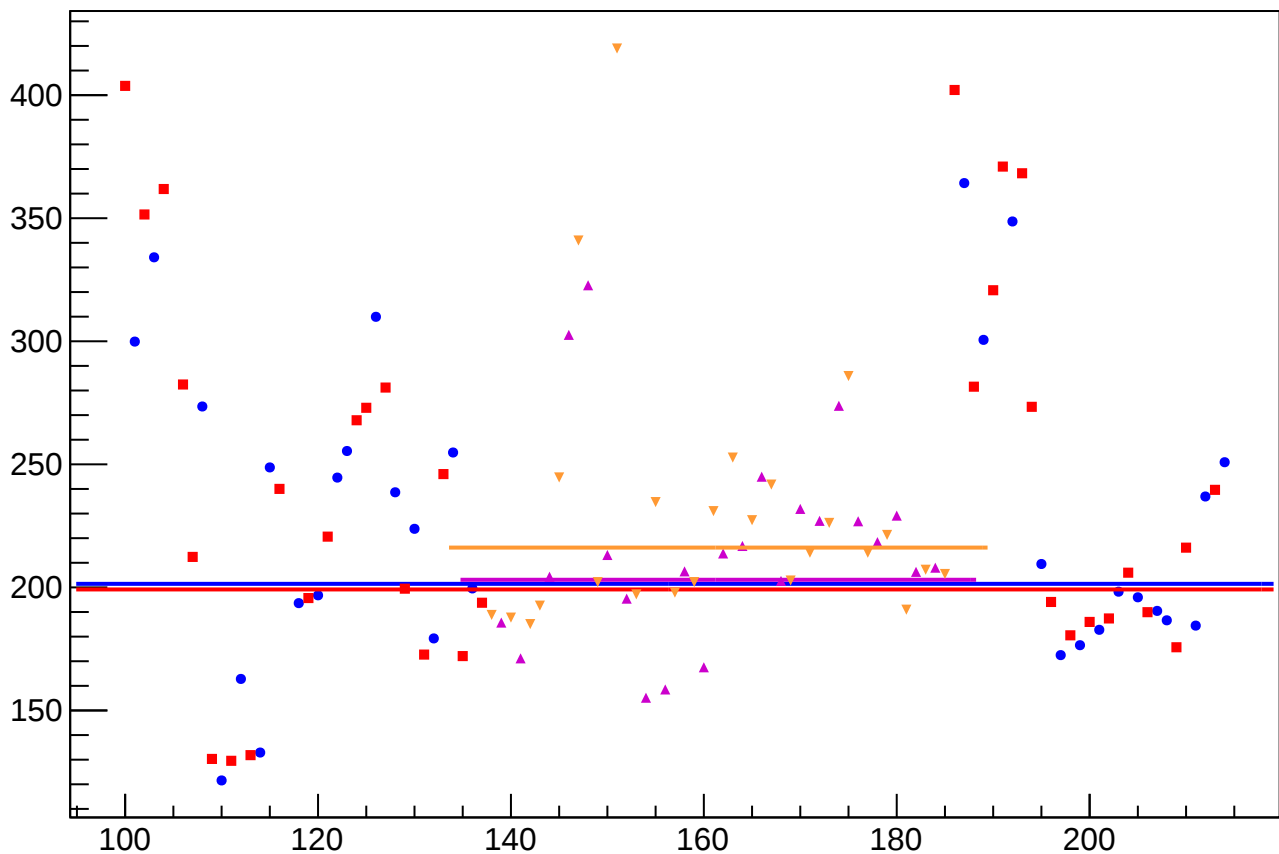
Left In: -394.379 $\pm$ 50.311 χ^2 /NDF:1236.4/22

+ sign 693.758 $\pm$ 36.321 χ^2 /NDF: 10584.1/55

All: 304.604 $\pm$ 25.437 χ^2 /NDF: 22720.4/112

- sign -69.987 $\pm$ 35.635 χ^2 /NDF: 11911.0/56

asym_bpm0l07WS_rms vs Slug



Right In: 201.447 $\pm$ 0.036 χ^2 /NDF: 1638507.9/30

Left Out: 216.178 $\pm$ 0.036 χ^2 /NDF: 946050.8/24

Right Out: 199.168 $\pm$ 0.036 χ^2 /NDF: 2517916.1/33

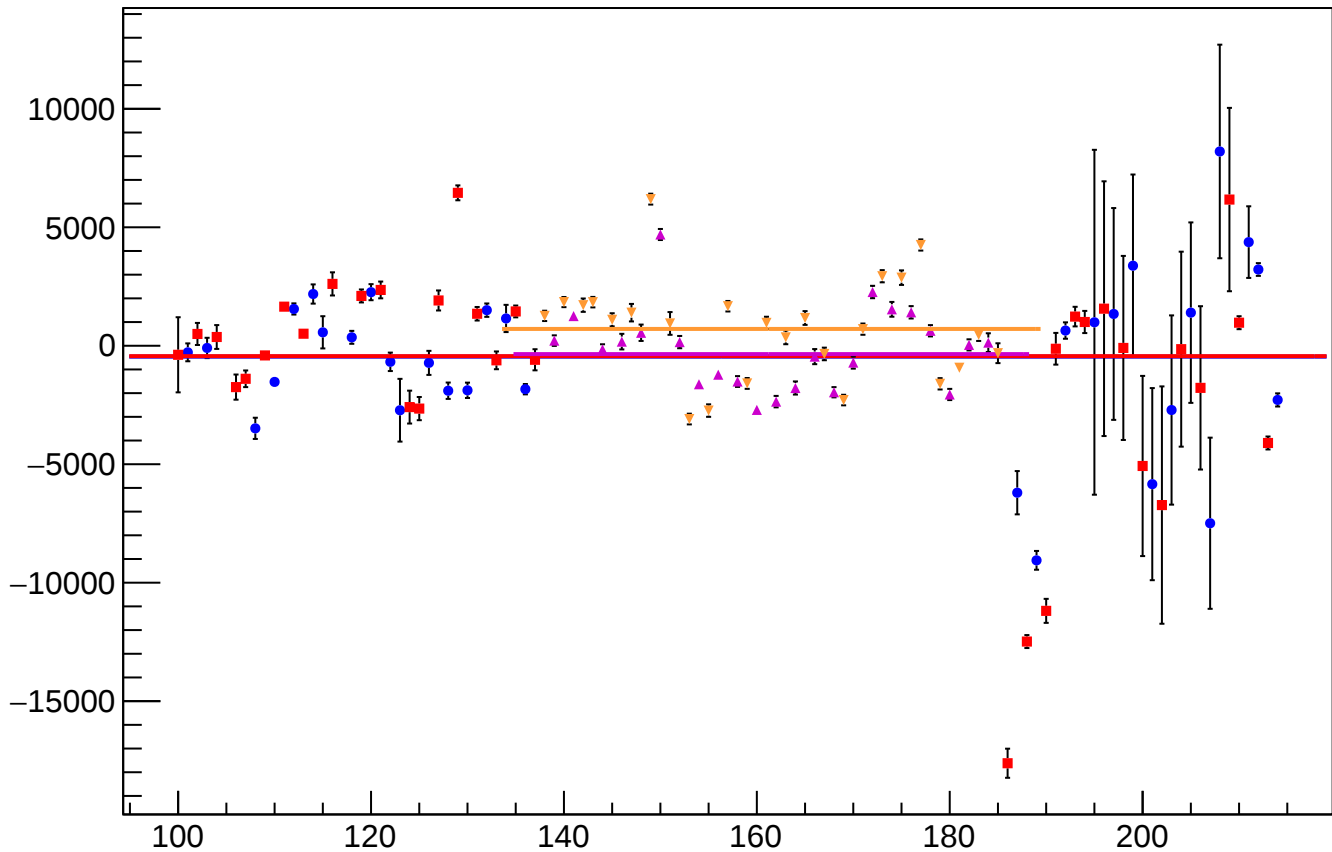
Left In: 203.101 $\pm$ 0.036 χ^2 /NDF: 1038013.0/22

+ sign 208.748 $\pm$ 0.026 χ^2 /NDF: 2666802.5/55

All: 204.872 $\pm$ 0.018 χ^2 /NDF: 6273518.6/112

- sign 201.141 $\pm$ 0.025 χ^2 /NDF: 3562018.5/56

asym_bpm0l08WS_mean vs Slug



Right In: -459.034 ± 70.981 $\chi^2/\text{NDF}: 1171.2/30$

Left Out: 710.238 ± 50.750 $\chi^2/\text{NDF}: 1932.3/24$

Right Out: -439.254 ± 63.402 $\chi^2/\text{NDF}: 4377.7/33$

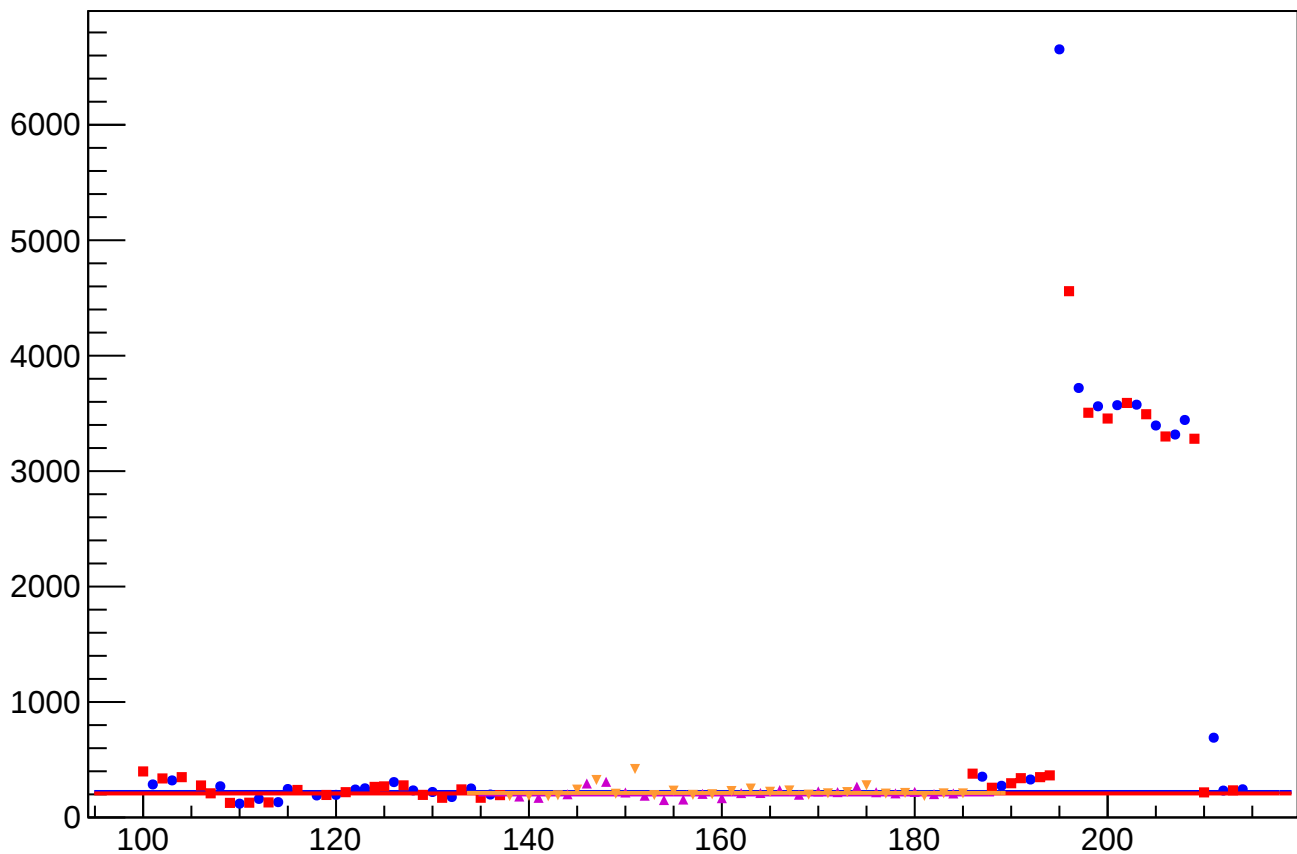
Left In: -352.432 ± 49.316 $\chi^2/\text{NDF}: 1233.1/22$

+ sign 314.704 ± 41.284 $\chi^2/\text{NDF}: 3283.0/55$

All: -55.777 ± 28.322 $\chi^2/\text{NDF}: 9047.1/112$

- sign -385.160 ± 38.927 $\chi^2/\text{NDF}: 5612.0/56$

asym_bpm0l08WS_rms vs Slug



Right In: 220.642 $\pm$ 0.050 χ^2 /NDF: 12521435.7/30

Left Out: 212.718 $\pm$ 0.036 χ^2 /NDF: 916225.9/24

Right Out: 207.918 $\pm$ 0.045 χ^2 /NDF: 11730153.1/33

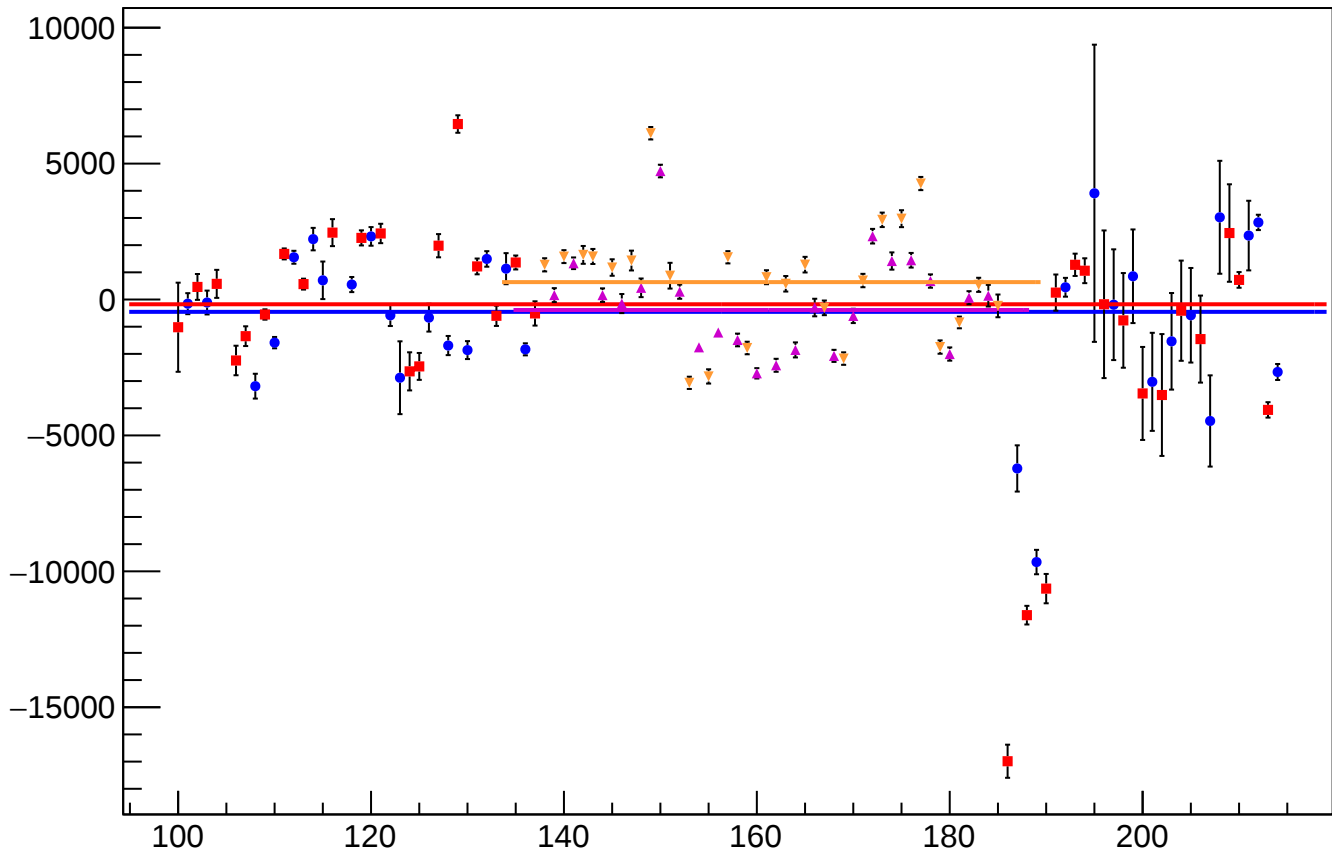
Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

+ sign 215.399 $\pm$ 0.029 χ^2 /NDF: 13454153.4/55

All: 208.544 $\pm$ 0.020 χ^2 /NDF: 26298265.4/11

- sign 202.450 $\pm$ 0.028 χ^2 /NDF: 12739957.9/56

asym_bpm0l09WS_mean vs Slug



Right In: -453.559 ± 72.208 χ^2/NDF : 1070.4/30

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: -174.953 ± 65.119 χ^2/NDF : 3309.4/33

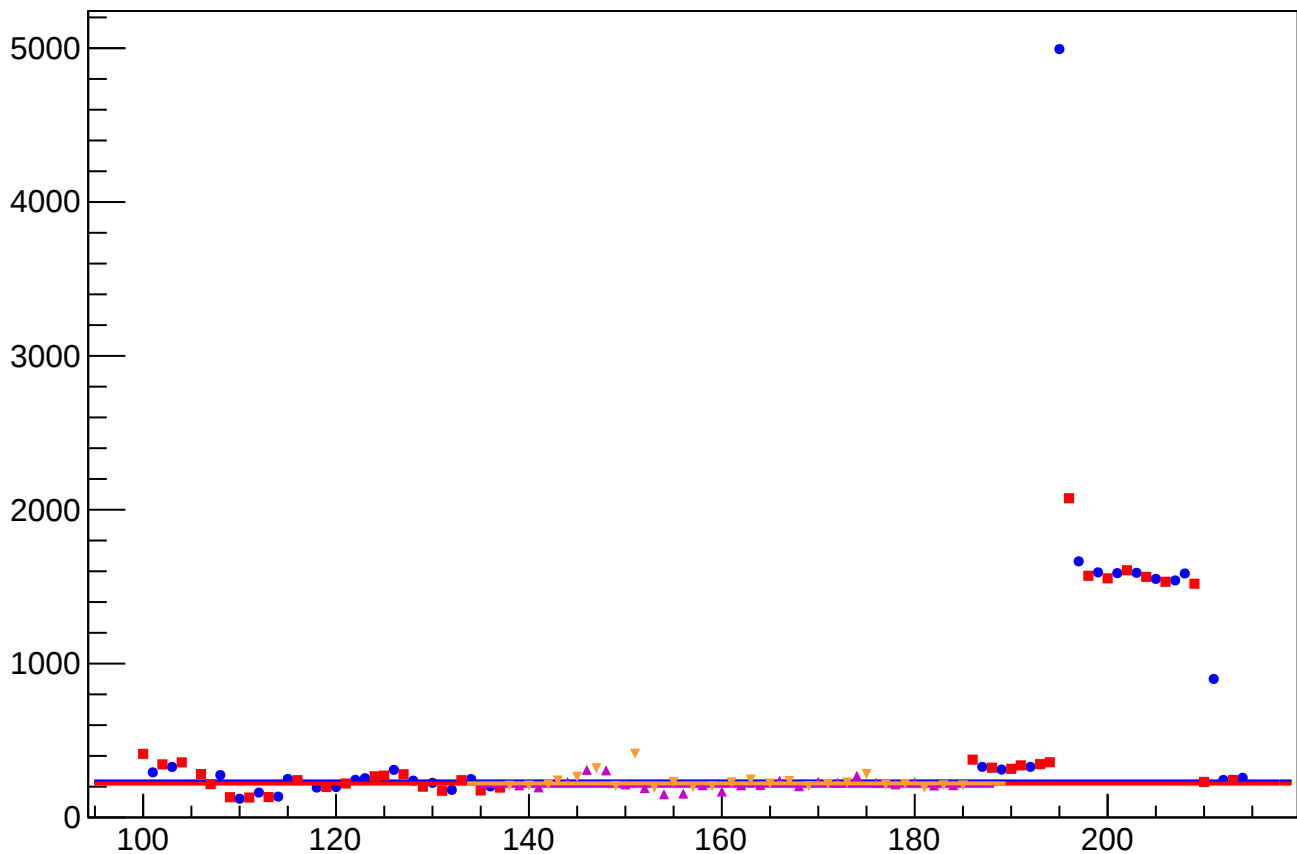
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 259.862 ± 42.573 χ^2/NDF : 3079.3/55

All: -39.602 ± 29.209 χ^2/NDF : 7726.8/112

- sign -305.929 ± 40.148 χ^2/NDF : 4554.0/56

asym_bpm0l09WS_rms vs Slug



Right In: 234.330 $\pm$ 0.051 χ^2 /NDF: 11293137.8/30

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

Right Out: 220.098 $\pm$ 0.046 χ^2 /NDF: 10175624.4/33

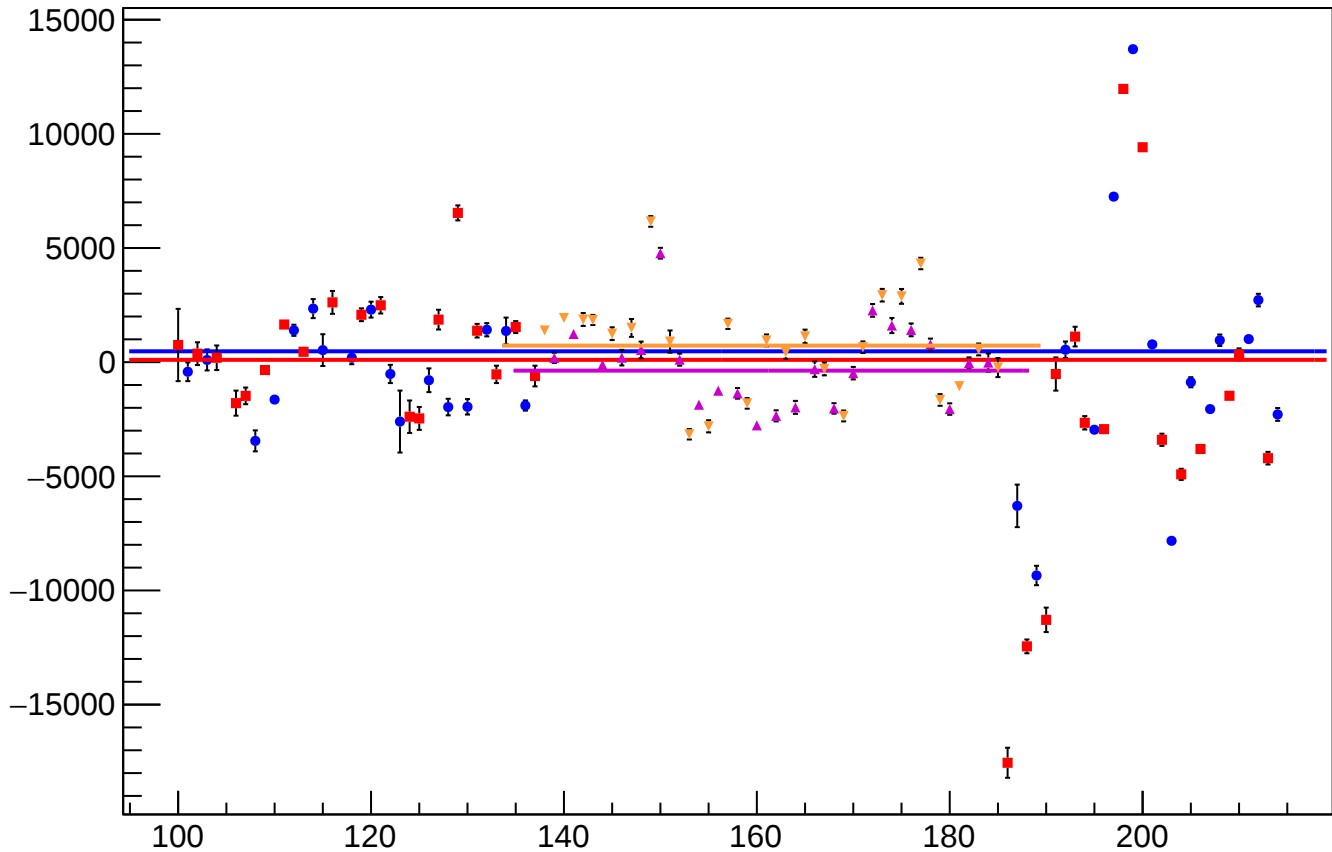
Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 225.893 $\pm$ 0.030 χ^2 /NDF: 12112820.0/55

All: 218.136 $\pm$ 0.021 χ^2 /NDF: 23468547.2/11

- sign 211.237 $\pm$ 0.028 χ^2 /NDF: 11230272.5/56

asym_bpm0l10WS_mean vs Slug



Right In: 475.689 ± 51.610 χ^2/NDF : 8610.2/30

Left Out: 725.250 ± 52.307 χ^2/NDF : 1883.1/24

Right Out: 101.283 ± 51.220 χ^2/NDF : 10296.7/33

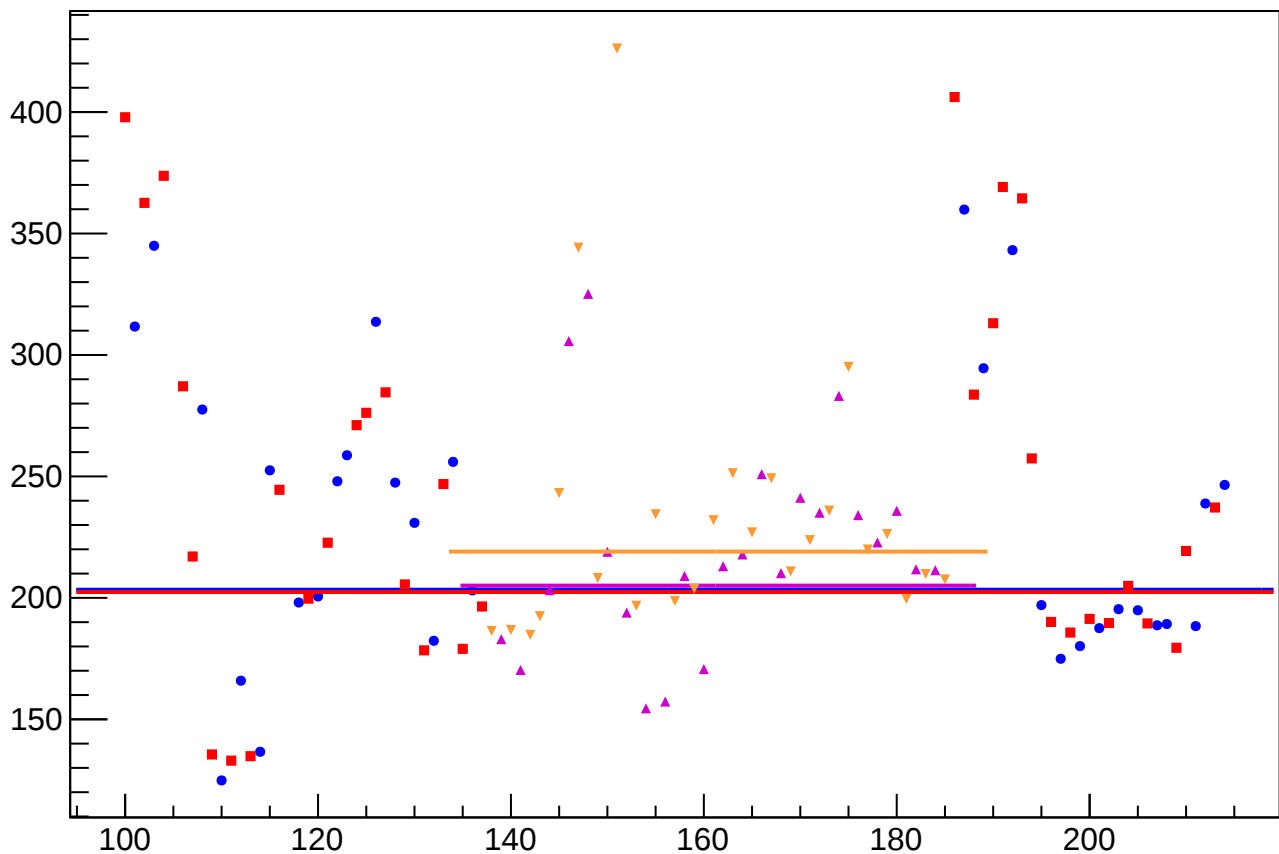
Left In: -370.408 ± 50.884 χ^2/NDF : 1223.2/22

+ sign 598.796 ± 36.738 χ^2/NDF : 10504.9/55

All: 224.894 ± 25.749 χ^2/NDF : 22271.0/112

- sign -136.112 ± 36.099 χ^2/NDF : 11562.5/56

asym_bpm0l10WS_rms vs Slug



Right In: 203.360 $\pm$ 0.036 χ^2 /NDF: 1580945.4/30

Left Out: 219.049 $\pm$ 0.037 χ^2 /NDF: 975564.4/24

Right Out: 202.425 $\pm$ 0.036 χ^2 /NDF: 2358158.5/33

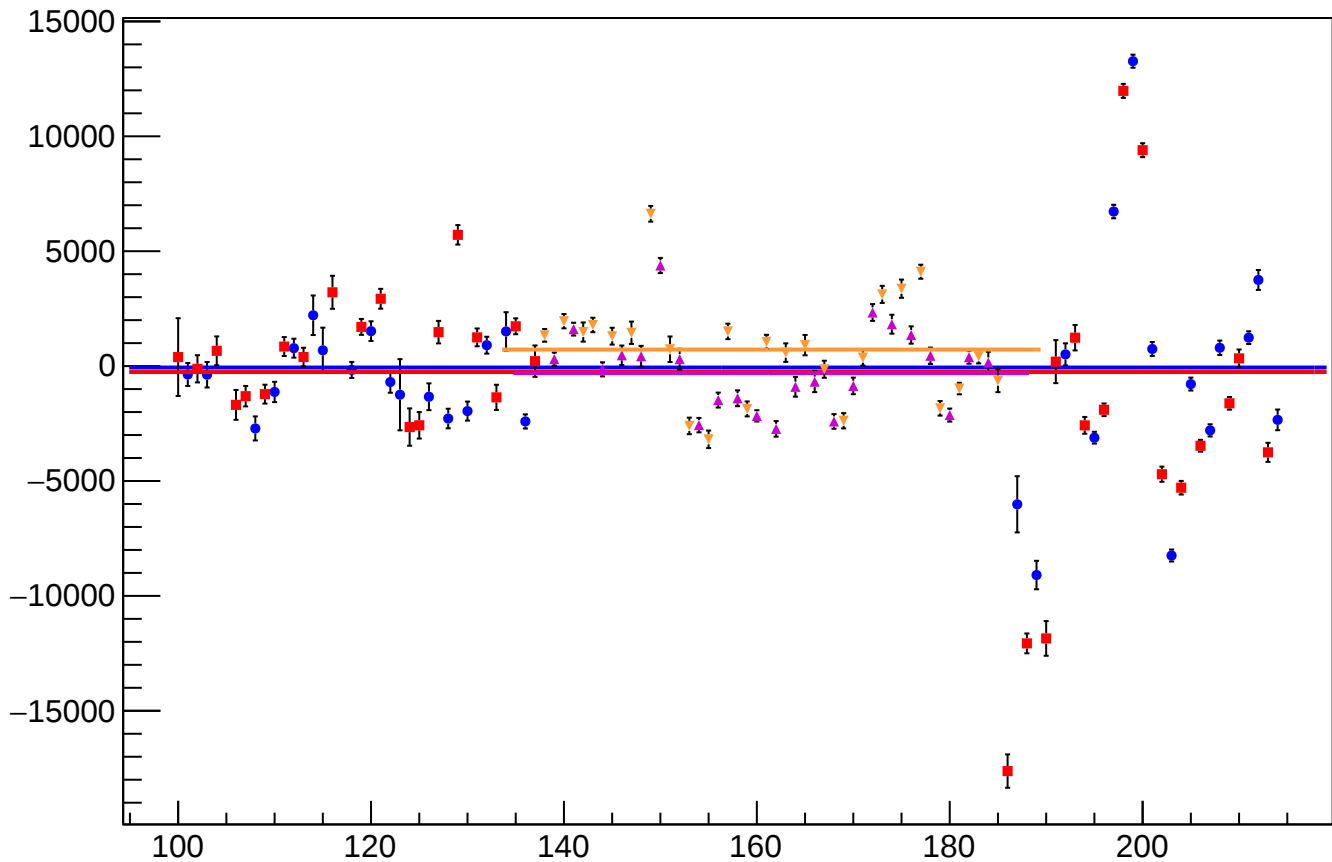
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF: 1144197.1/22

+ sign 211.099 $\pm$ 0.026 χ^2 /NDF: 2647675.7/55

All: 207.357 $\pm$ 0.018 χ^2 /NDF: 6193450.3/112

- sign 203.744 $\pm$ 0.026 χ^2 /NDF: 3504992.6/56

asym_bpm0r03WS_mean vs Slug



Right In: -62.572 ± 69.118 χ^2/NDF : 4528.5/30

Left Out: 718.705 ± 69.601 χ^2/NDF : 1018.5/24

Right Out: -258.394 ± 70.965 χ^2/NDF : 5427.0/33

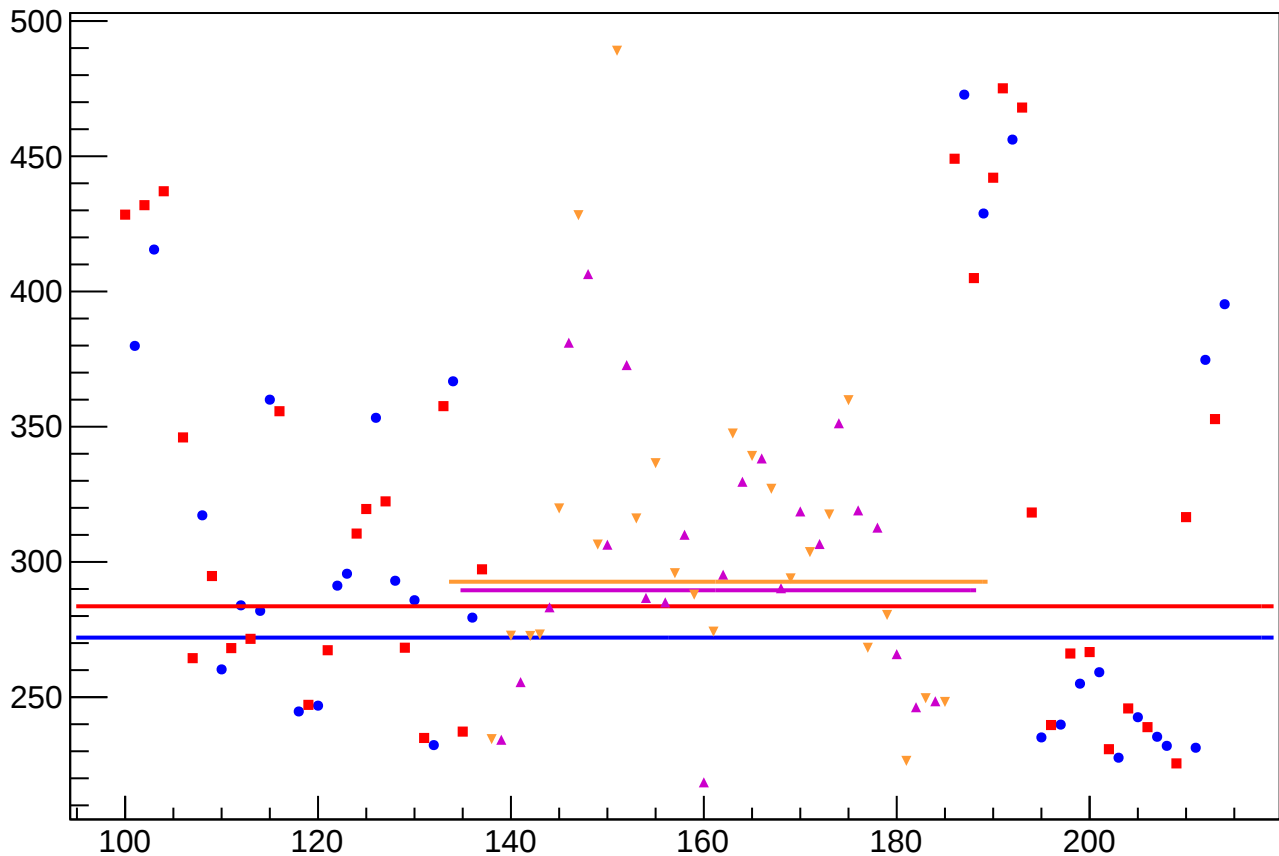
Left In: -304.161 ± 70.958 χ^2/NDF : 643.5/22

+ sign 325.350 ± 49.044 χ^2/NDF : 5610.5/55

All: 28.964 ± 35.073 χ^2/NDF : 11755.9/112

- sign -281.280 ± 50.177 χ^2/NDF : 6070.7/56

asym_bpm0r03WS_rms vs Slug



Right In: 272.027+/-0.049 χ^2/NDF : 1390248.9/30

Left Out: 292.686+/-0.049 χ^2/NDF : 925193.6/24

Right Out: 283.604+/-0.050 χ^2/NDF : 1503641.8/33

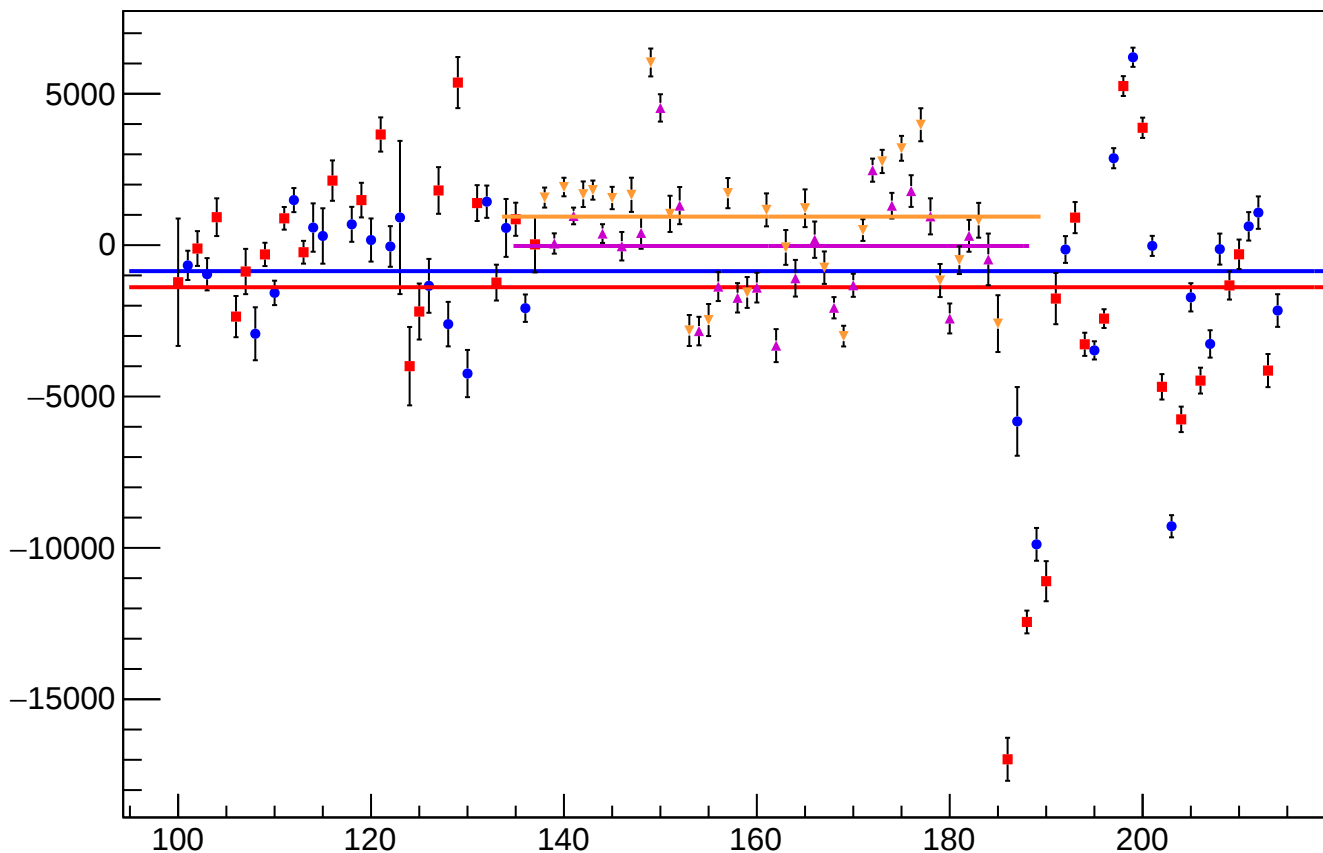
Left In: 289.522+/-0.050 χ^2/NDF : 777901.0/22

+ sign 282.284+/-0.035 χ^2/NDF : 2404161.0/55

All: 284.375+/-0.025 χ^2/NDF : 4700095.7/112

- sign 286.563+/-0.035 χ^2/NDF : 2288497.2/56

asym_bpm0r05WS_mean vs Slug



Right In: -858.380 ± 88.863 $\chi^2/\text{NDF}: 1709.8/30$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -1389.640 ± 85.997 $\chi^2/\text{NDF}: 2864.2/33$

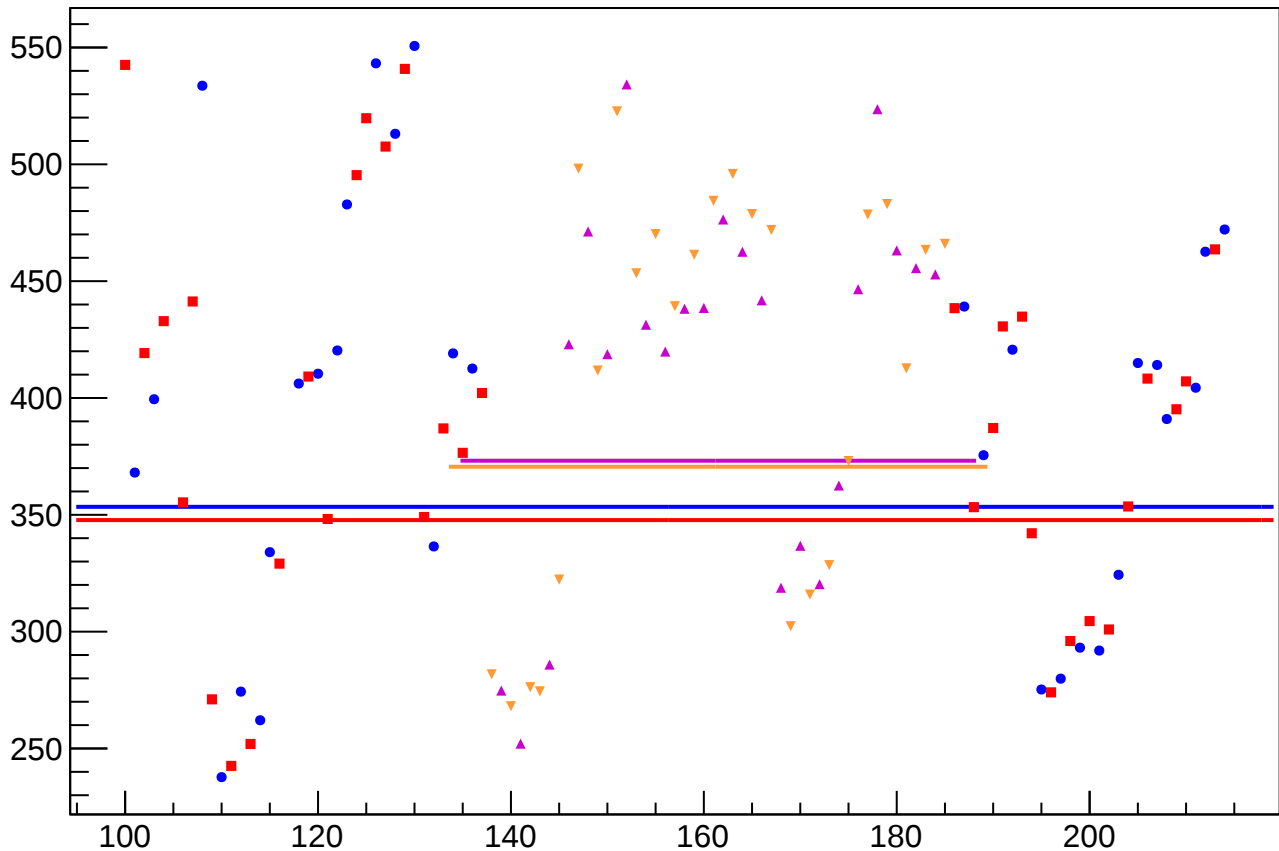
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign 39.017 ± 62.926 $\chi^2/\text{NDF}: 2458.9/55$

All: -358.976 ± 44.497 $\chi^2/\text{NDF}: 5882.2/112$

- sign -757.013 ± 62.929 $\chi^2/\text{NDF}: 3343.2/56$

asym_bpm0r05WS_rms vs Slug



Right In: 353.425+/-0.063 χ^2/NDF : 1519224.8/30

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 347.747+/-0.061 χ^2/NDF : 1335586.8/33

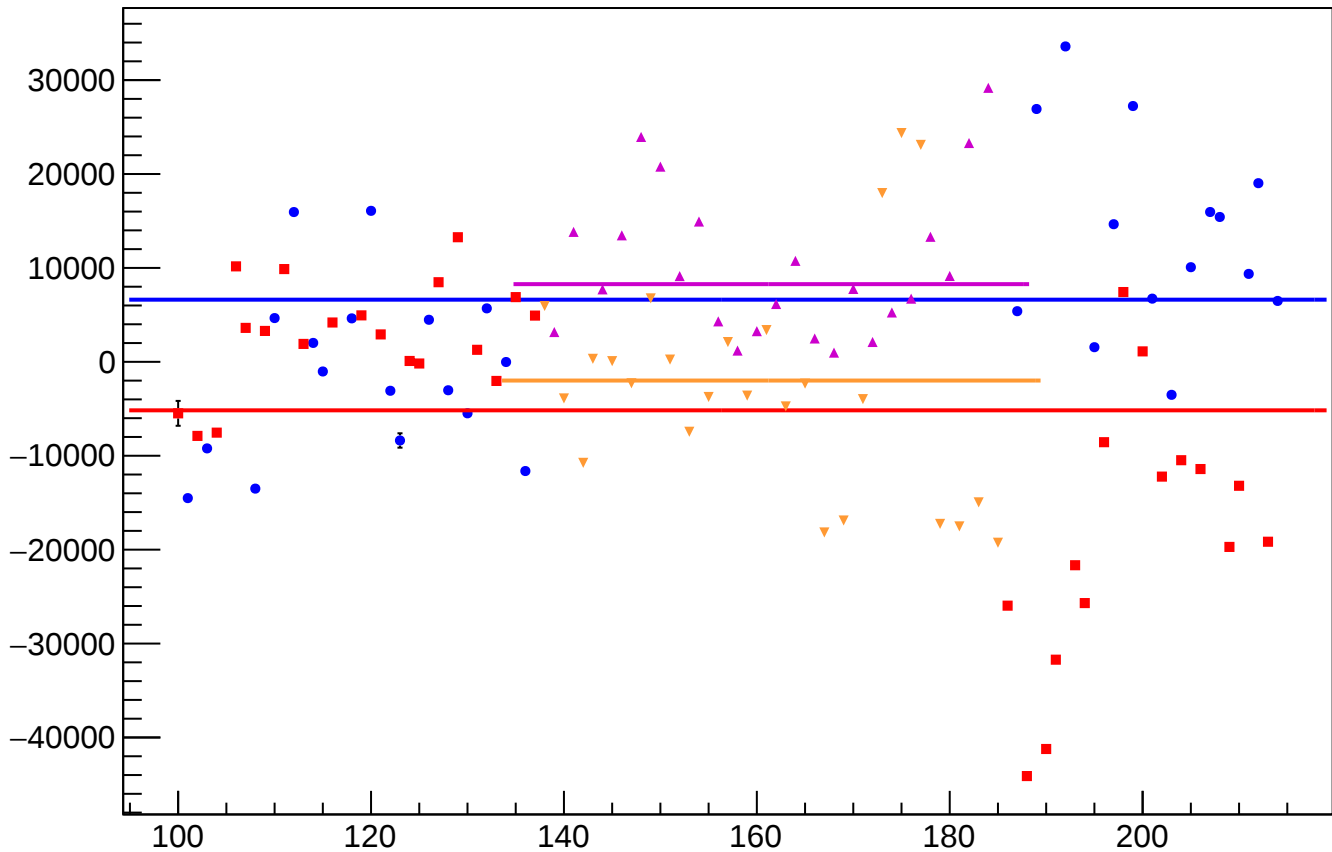
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 361.977+/-0.044 χ^2/NDF : 3434504.8/55

All: 360.765+/-0.031 χ^2/NDF : 6488953.7/112

- sign 359.552+/-0.044 χ^2/NDF : 3052964.0/56

asym_bpm0i02WS_mean vs Slug



Right In: 6619.219+/-40.121 χ^2/NDF : 93695.3/30

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -5164.569+/-38.756 χ^2/NDF : 144038.9/33

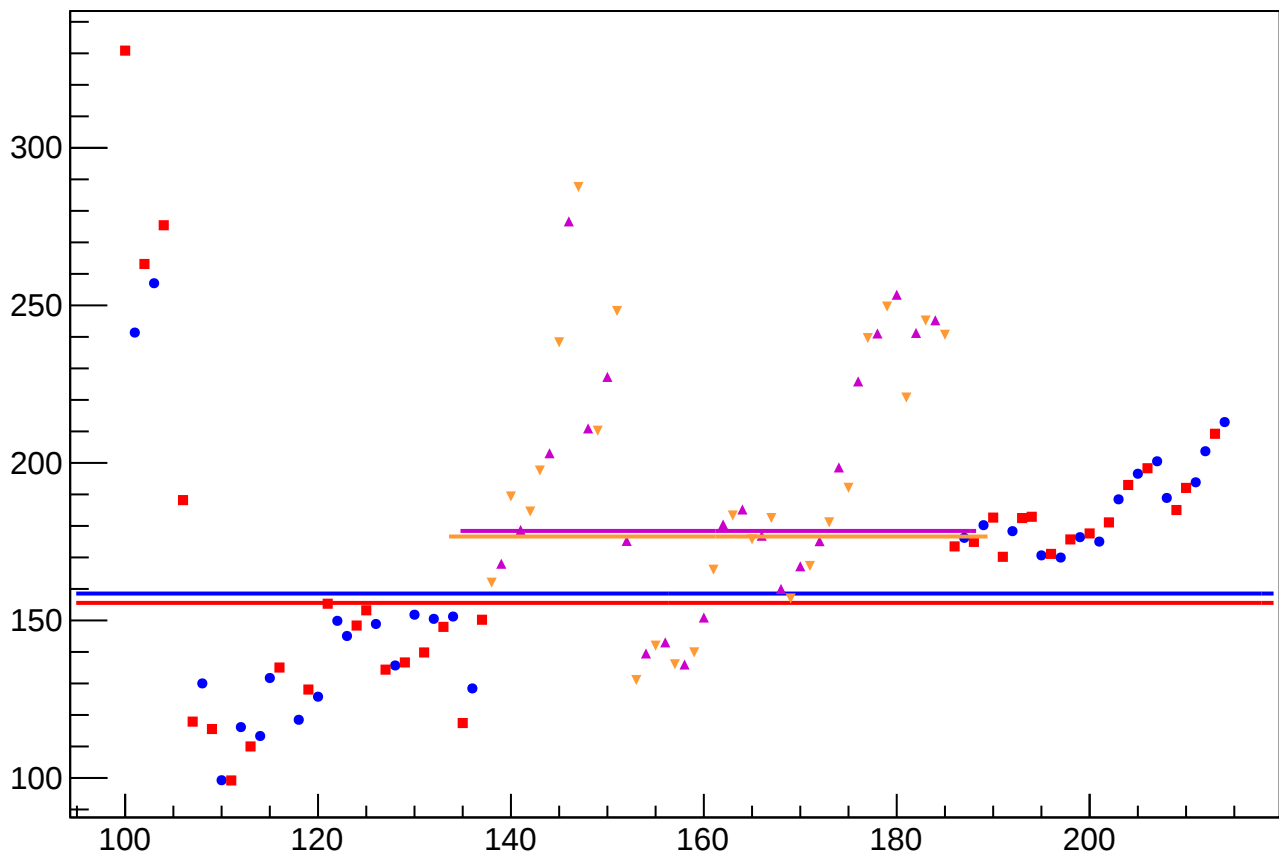
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 2554.057+/-29.151 χ^2/NDF : 179208.3/55

All: 1608.195+/-20.619 χ^2/NDF : 400343.9/11

- sign 661.138+/-29.169 χ^2/NDF : 219028.6/56

asym_bpm0i02WS_rms vs Slug



Right In: 158.542 $\pm$ 0.028 χ^2 /NDF: 1535456.2/30

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 155.571 $\pm$ 0.027 χ^2 /NDF: 1731052.3/33

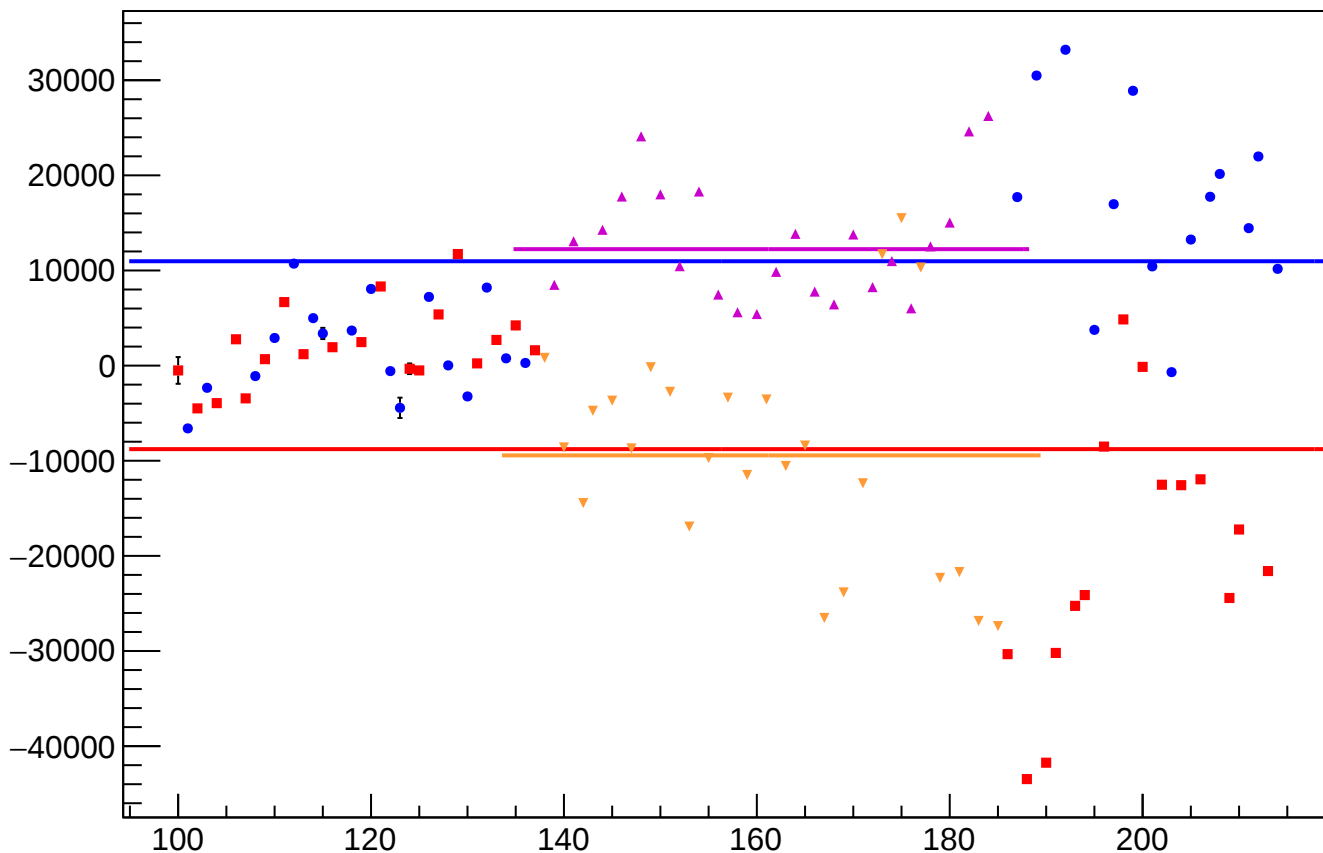
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 167.086 $\pm$ 0.021 χ^2 /NDF: 3278645.4/55

All: 166.281 $\pm$ 0.015 χ^2 /NDF: 6607677.2/112

- sign 165.474 $\pm$ 0.021 χ^2 /NDF: 3325975.9/56

asym_bpm0i02aWS_mean vs Slug



Right In: 10971.064 $\pm$ 44.302 χ^2 /NDF: 55139.6/30

Left Out: -9437.408 $\pm$ 45.534 χ^2 /NDF:62220.4/24

+ sign 1046.621 $\pm$ 31.753 χ^2 /NDF: 220555.4/55

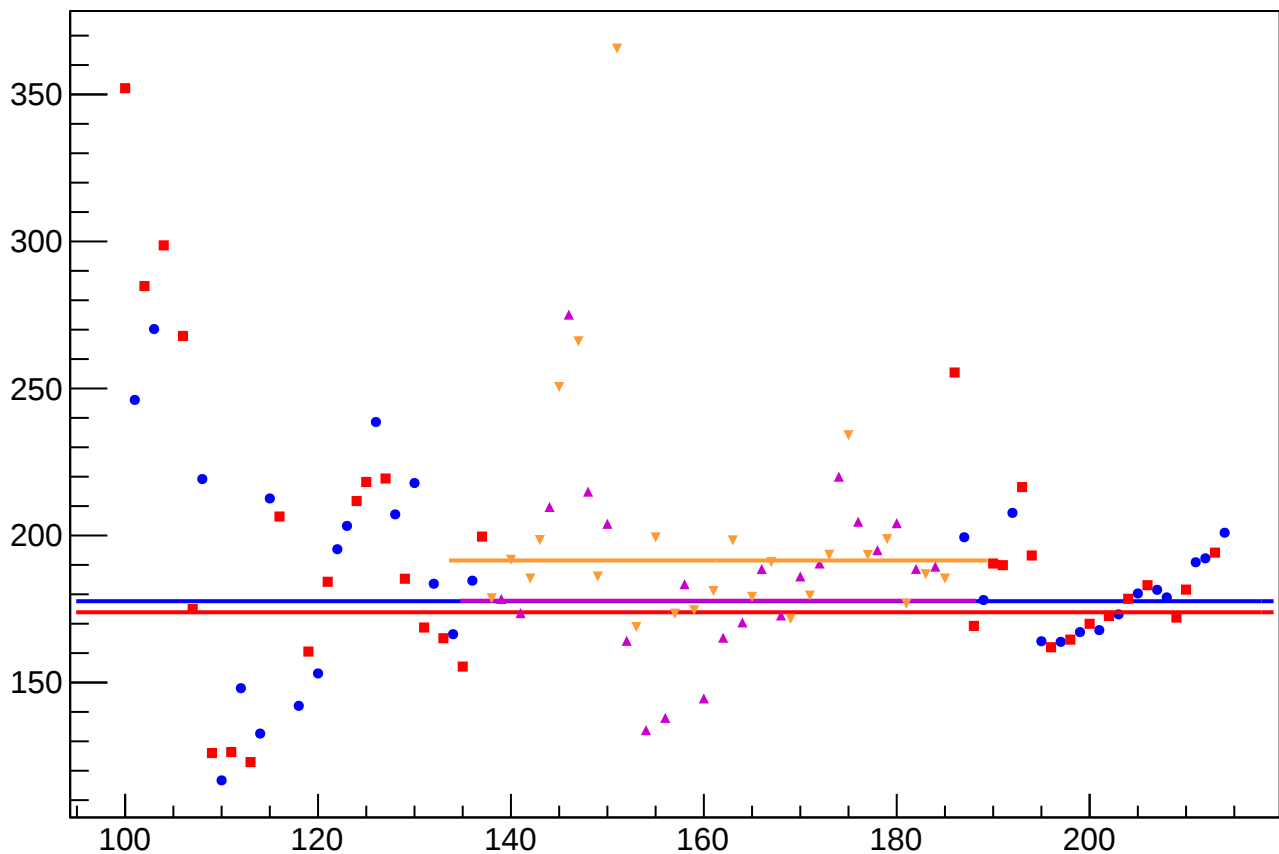
Right Out: -8778.623 $\pm$ 42.880 χ^2 /NDF: 115696.0/33

All: 1267.666 $\pm$ 22.067 χ^2 /NDF: 470175.2/1

Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF:16615.8/22

- sign 1474.160 $\pm$ 30.690 χ^2 /NDF: 249526.0/56

asym_bpm0i02aWS_rms vs Slug



Right In: 177.652 $\pm$ 0.031 χ^2 /NDF: 803427.1/30

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 173.891 $\pm$ 0.030 χ^2 /NDF: 1151604.9/33

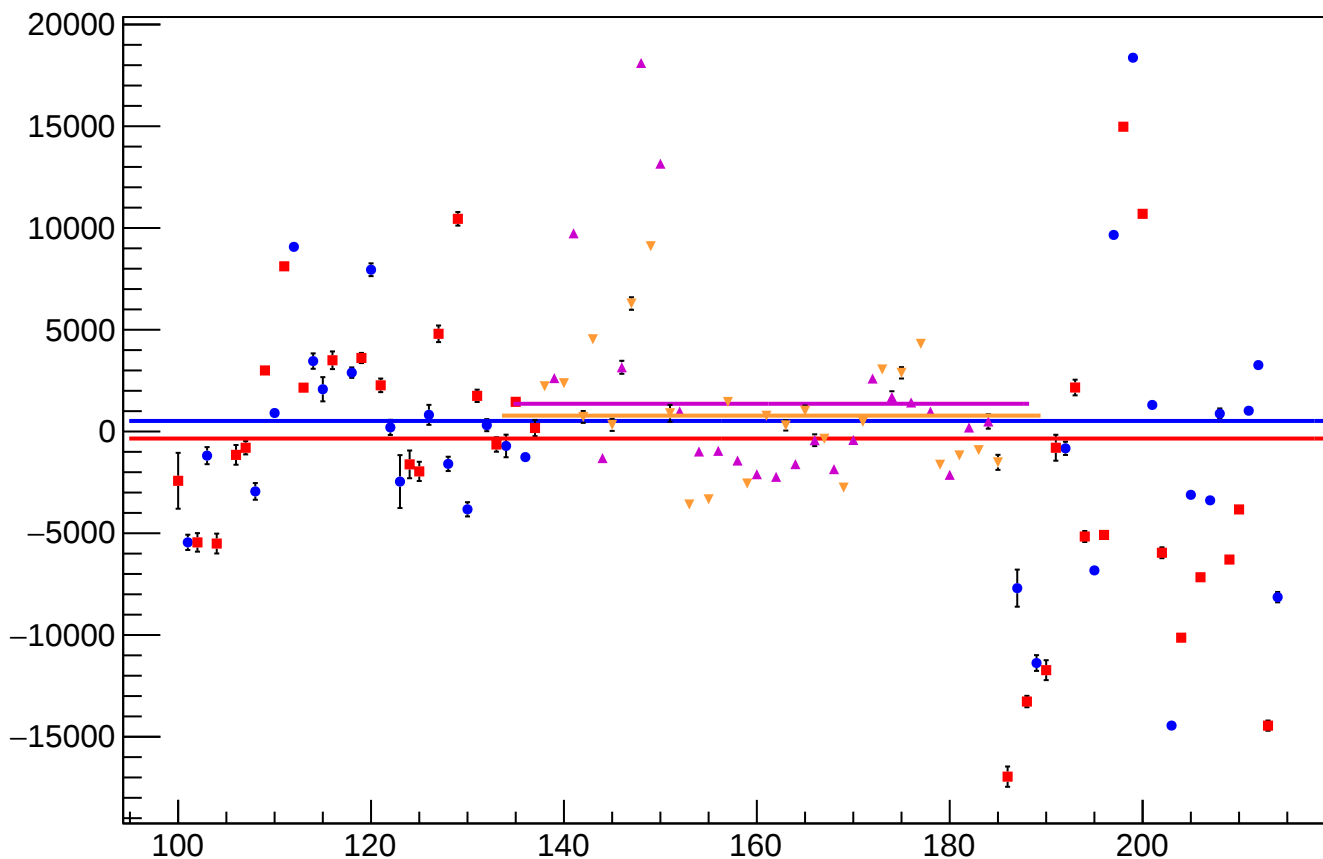
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 184.390 $\pm$ 0.022 χ^2 /NDF: 1625793.4/55

All: 179.953 $\pm$ 0.016 χ^2 /NDF: 3723617.8/112

- sign 175.808 $\pm$ 0.022 χ^2 /NDF: 2022296.3/56

asym_bpm0i05WS_mean vs Slug



Right In: 519.012 $\pm$ 49.634 χ^2 /NDF: 21637.0/30

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: -345.795 $\pm$ 48.260 χ^2 /NDF: 24948.3/33

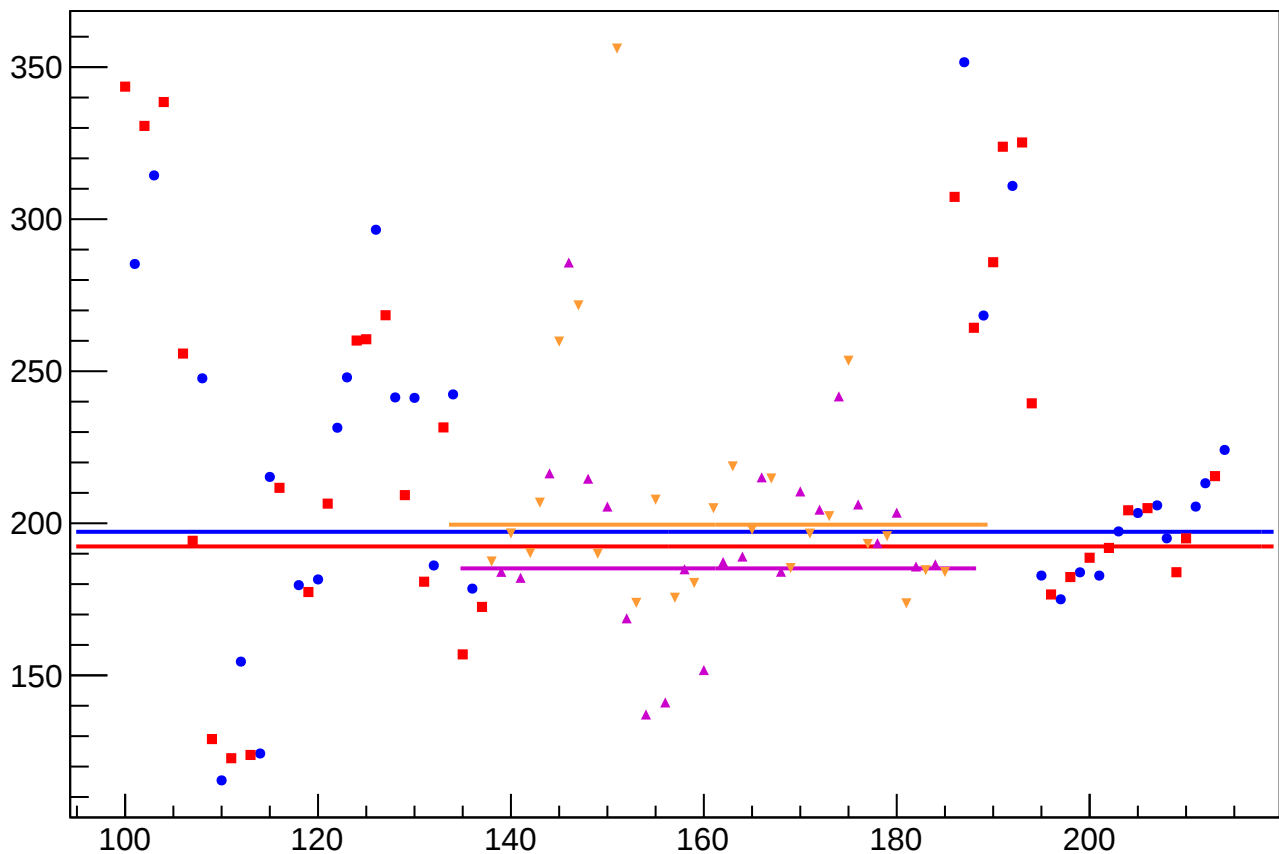
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

+ sign 655.346 $\pm$ 34.301 χ^2 /NDF: 25912.2/55

All: 602.623 $\pm$ 23.864 χ^2 /NDF: 63157.5/112

- sign 553.160 $\pm$ 33.224 χ^2 /NDF: 37240.8/56

asym_bpm0i05WS_rms vs Slug



Right In: 197.202 ± 0.035 $\chi^2/\text{NDF}: 1452299.9/30$

Left Out: 199.547 ± 0.034 $\chi^2/\text{NDF}: 729356.3/24$

Right Out: 192.384 ± 0.034 $\chi^2/\text{NDF}: 2162853.9/33$

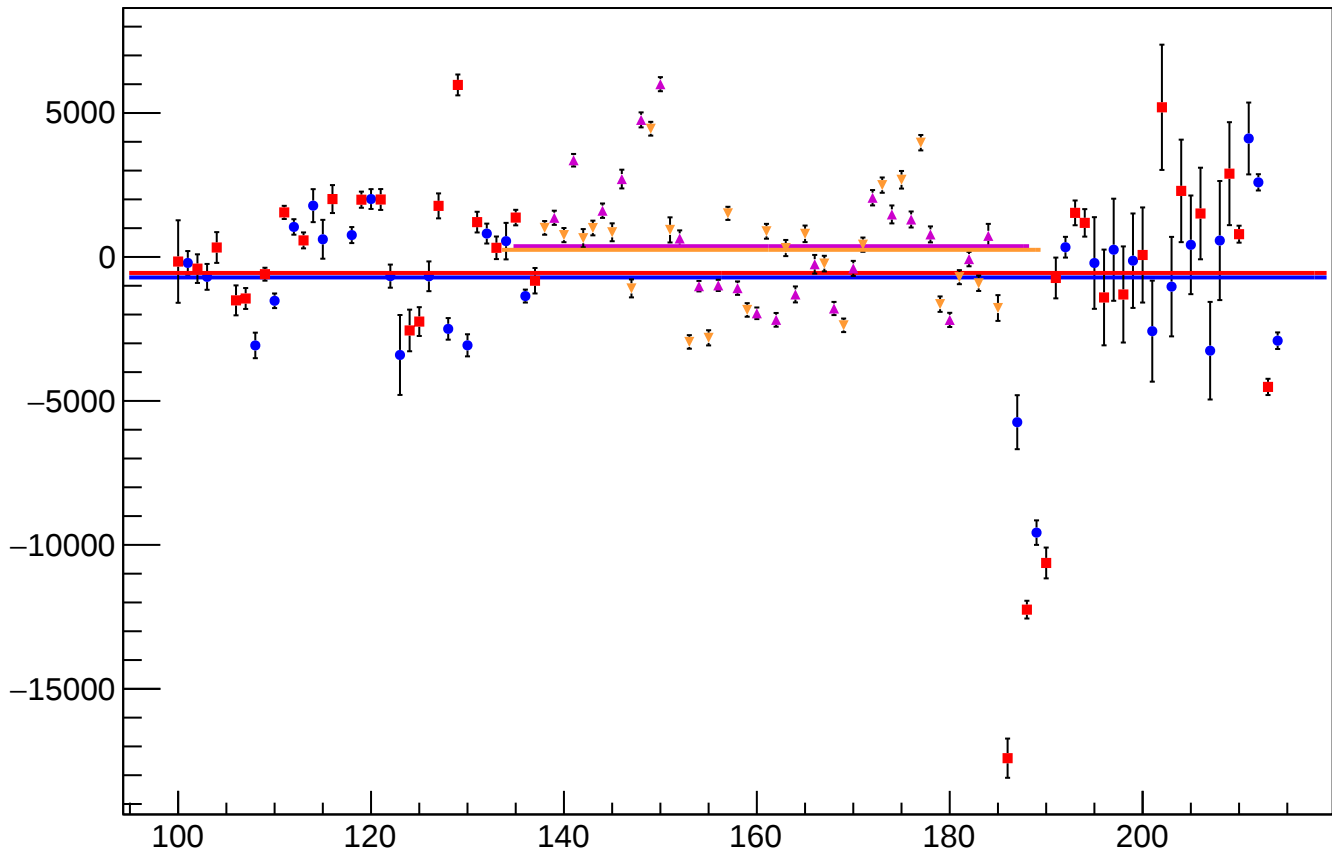
Left In: 185.171 ± 0.032 $\chi^2/\text{NDF}: 882752.2/22$

+ sign 198.427 ± 0.024 $\chi^2/\text{NDF}: 2183987.1/55$

All: 193.351 ± 0.017 $\chi^2/\text{NDF}: 5337982.2/112$

- sign 188.589 ± 0.023 $\chi^2/\text{NDF}: 3069113.8/56$

asym_bpm0i07WS_mean vs Slug



Right In: -711.376 ± 76.912 χ^2/NDF : 975.9/30

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -555.028 ± 70.319 χ^2/NDF : 3400.3/33

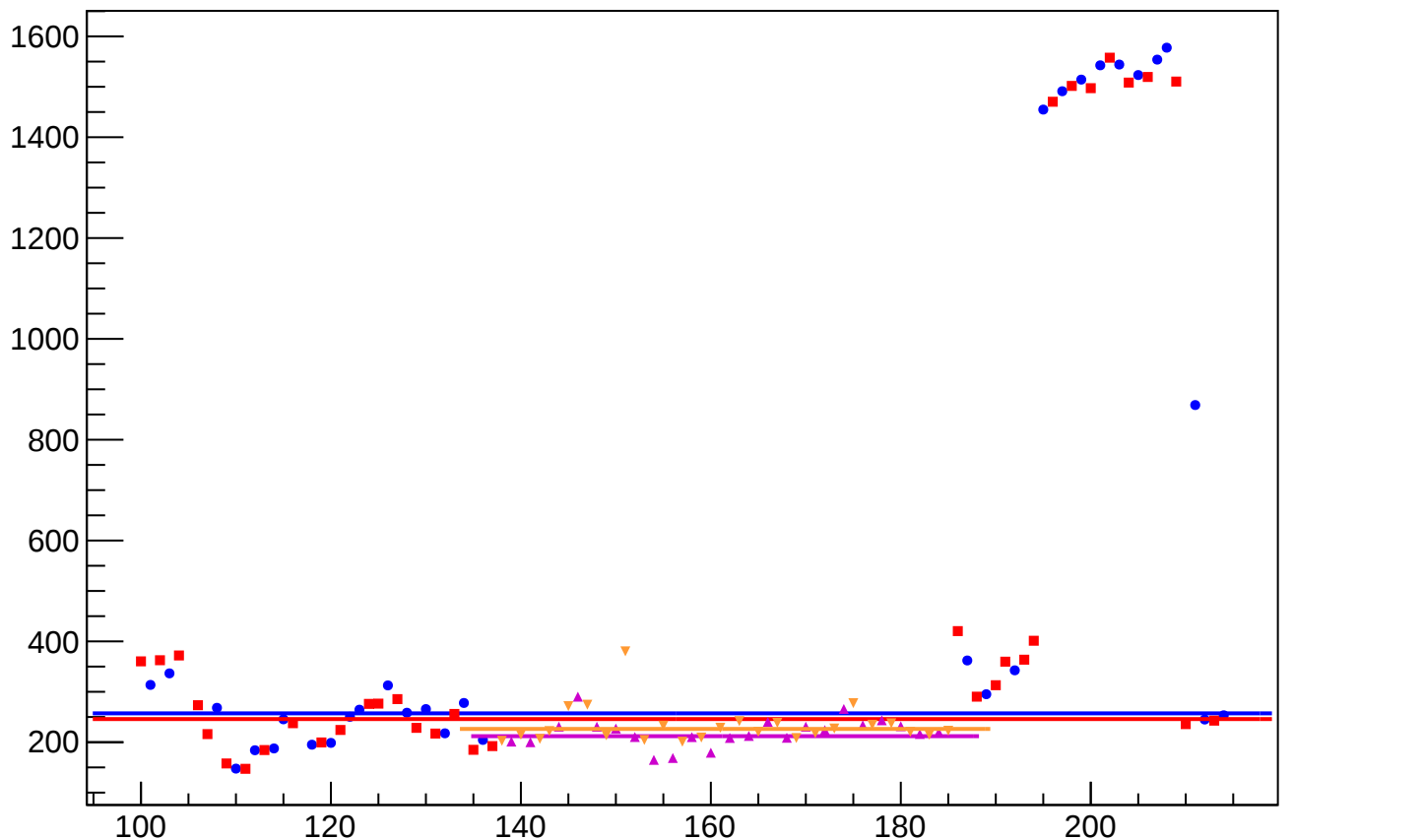
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -65.374 ± 43.950 χ^2/NDF : 2435.7/55

All: -7.340 ± 30.302 χ^2/NDF : 7753.2/112

- sign 45.245 ± 41.835 χ^2/NDF : 5314.1/56

asym_bpm0i07WS_rms vs Slug



Right In: 257.226+/-0.054 χ^2/NDF : 10146114.9/30

Left Out: 226.322+/-0.038 χ^2/NDF : 521041.8/24

Right Out: 245.898+/-0.050 χ^2/NDF : 9273307.6/33

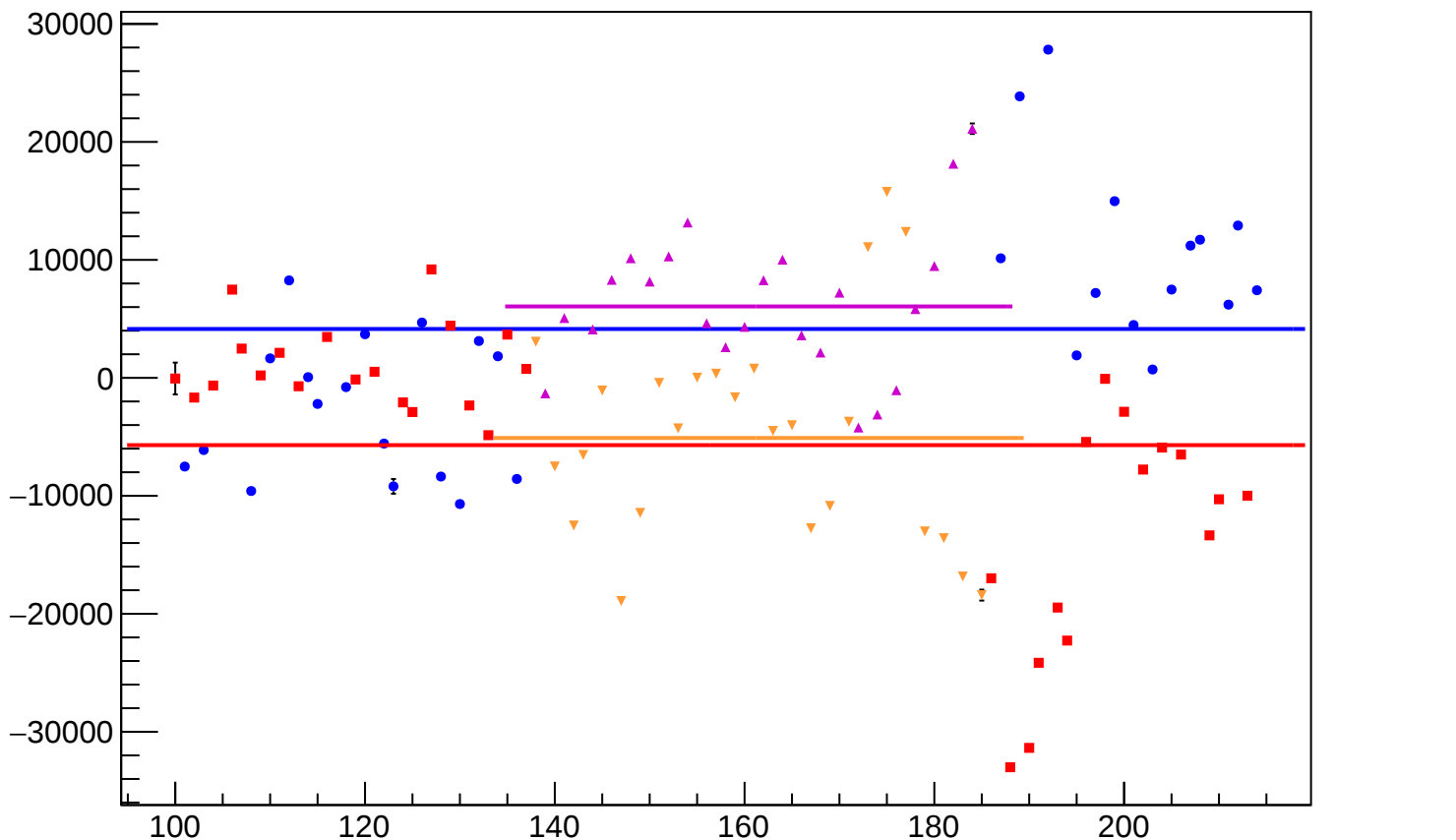
Left In: 211.970+/-0.037 χ^2/NDF : 584344.5/22

+ sign 236.413+/-0.031 χ^2/NDF : 10884619.5/55

All: 229.890+/-0.021 χ^2/NDF : 21127047.3/11

- sign 223.979+/-0.030 χ^2/NDF : 10158448.2/56

asym_bpm1i02WS_mean vs Slug



Right In: 4142.773 ± 34.109 χ^2/NDF : 79671.5/30

Left Out: -5095.305 ± 33.703 χ^2/NDF : 54395.4/24

Right Out: -5703.034 ± 32.712 χ^2/NDF : 103898.9/33

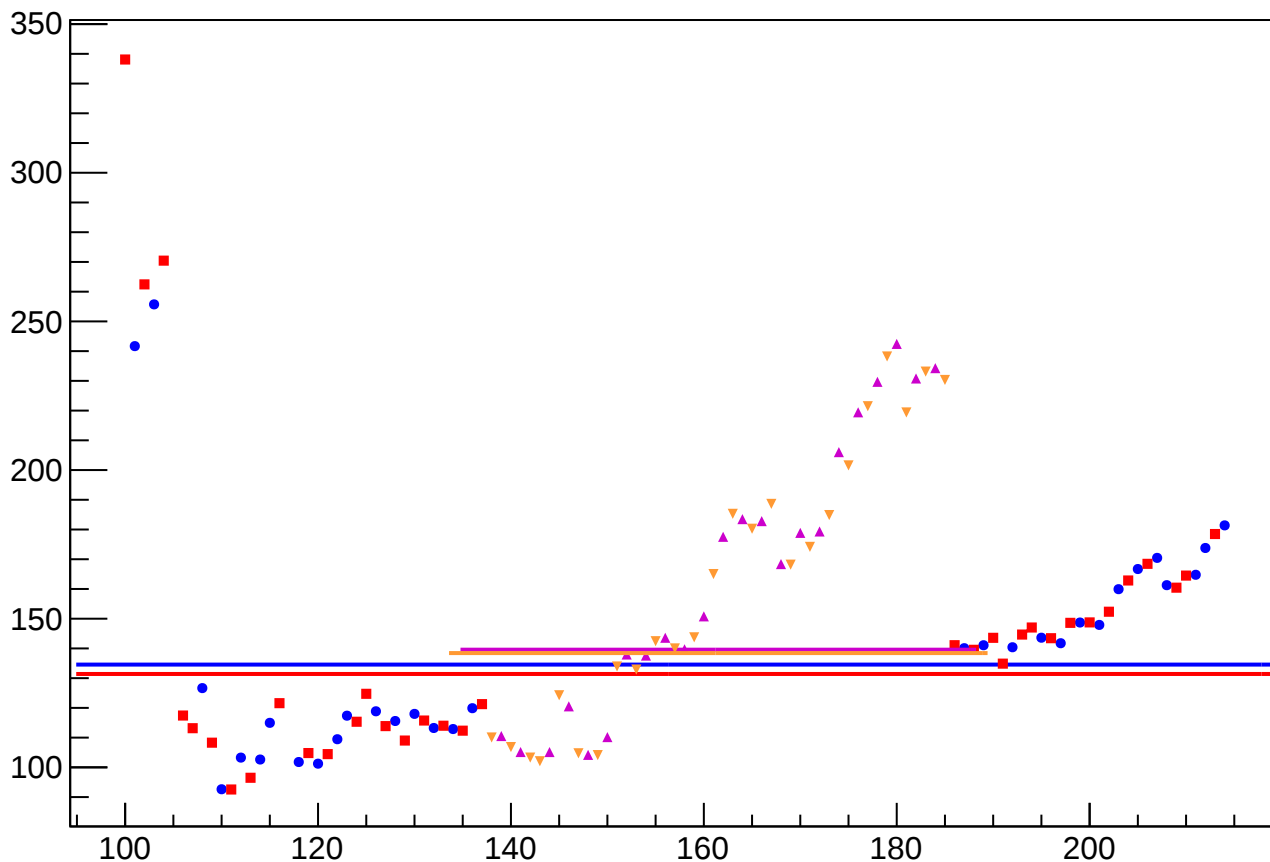
Left In: 6053.569 ± 34.998 χ^2/NDF : 17590.3/22

+ sign -531.515 ± 23.974 χ^2/NDF : 171182.7/55

All: -375.901 ± 16.925 χ^2/NDF : 352983.7/11

- sign -221.271 ± 23.898 χ^2/NDF : 181717.0/56

asym_bpm1i02WS_rms vs Slug



Right In: 134.564+/-0.024 χ^2/NDF : 1537585.4/30

Left Out: 138.436+/-0.024 χ^2/NDF :2549435.8/24

Right Out: 131.408+/-0.023 χ^2/NDF : 1585555.3/33

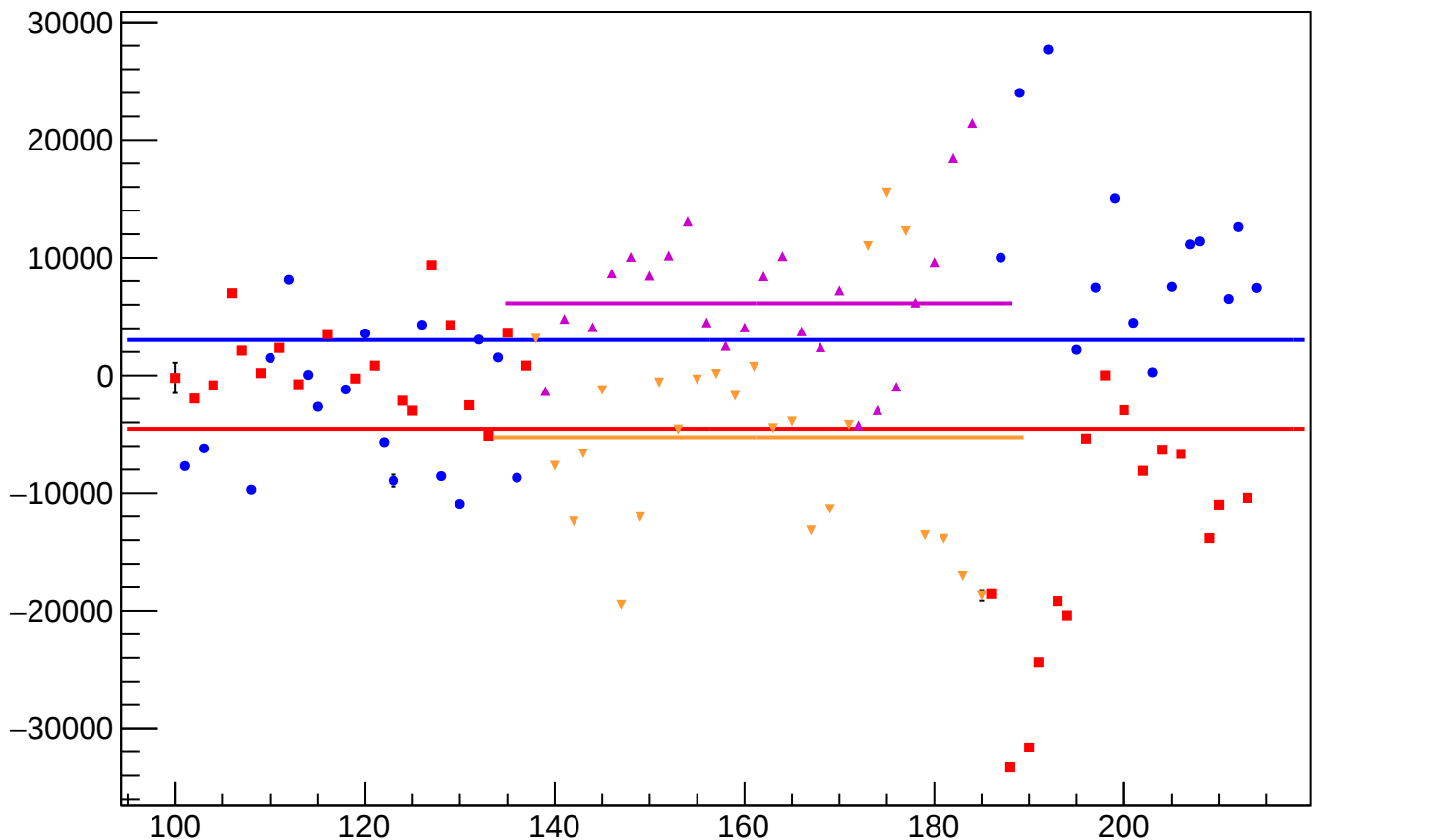
Left In: 139.578+/-0.025 χ^2/NDF :2413658.9/22

+ sign 136.523+/-0.017 χ^2/NDF : 4100060.2/55

All: 135.868+/-0.012 χ^2/NDF : 8160424.8/112

- sign 135.217+/-0.017 χ^2/NDF : 4057388.1/56

asym_bpm1i04WS_mean vs Slug



Right In: 3003.721 ± 30.607 $\chi^2/\text{NDF}: 90255.5/30$

Left Out: -5255.652 ± 30.622 $\chi^2/\text{NDF}: 64324.6/24$

Right Out: -4547.836 ± 29.462 $\chi^2/\text{NDF}: 113733.0/33$

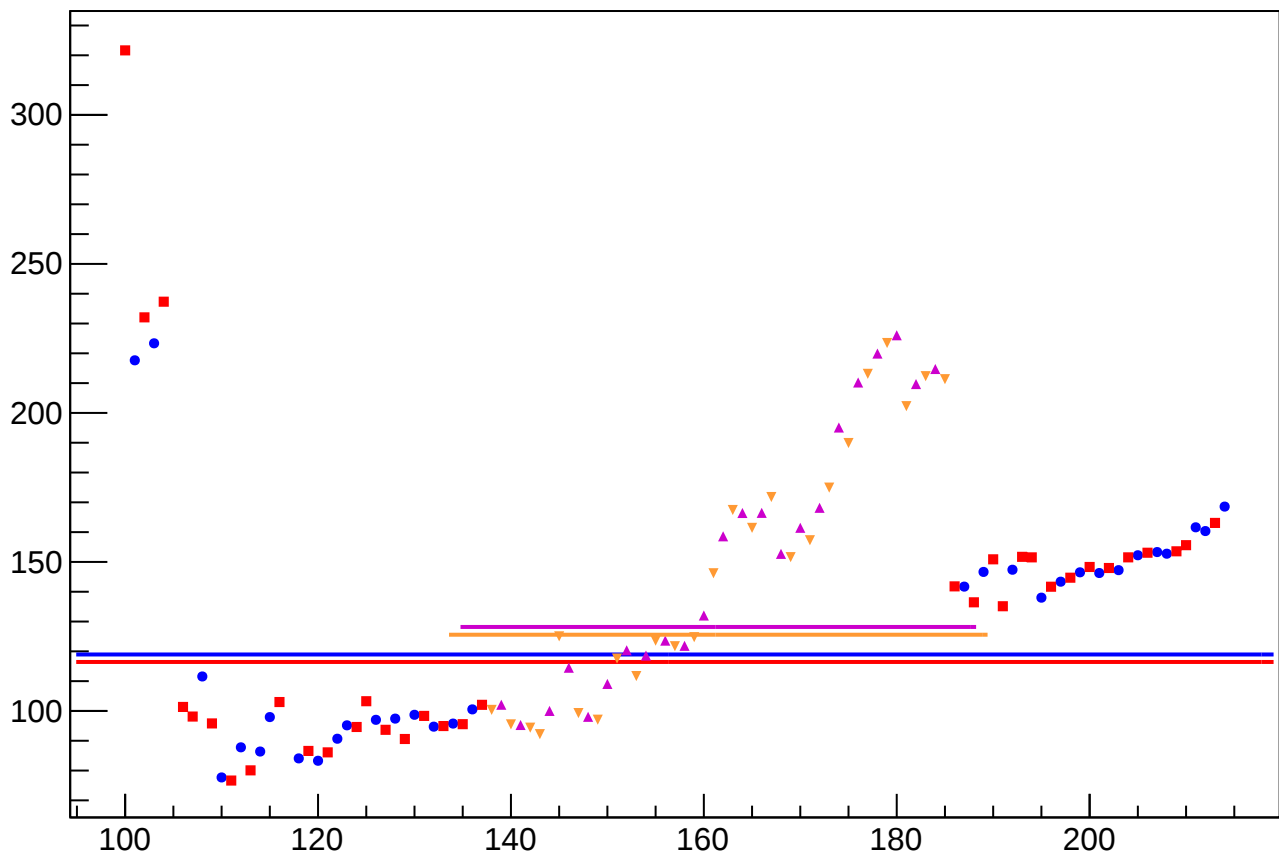
Left In: 6114.901 ± 32.126 $\chi^2/\text{NDF}: 21260.9/22$

+ sign -1123.915 ± 21.648 $\chi^2/\text{NDF}: 190972.8/55$

All: -402.544 ± 15.330 $\chi^2/\text{NDF}: 388031.3/11$

- sign 323.222 ± 21.713 $\chi^2/\text{NDF}: 194830.9/56$

asym_bpm1i04WS_rms vs Slug



Right In: 118.948 $\pm$ 0.022 χ^2 /NDF: 2336441.8/30

Left Out: 125.577 $\pm$ 0.022 χ^2 /NDF: 2595752.6/24

Right Out: 116.437 $\pm$ 0.021 χ^2 /NDF: 2474336.2/33

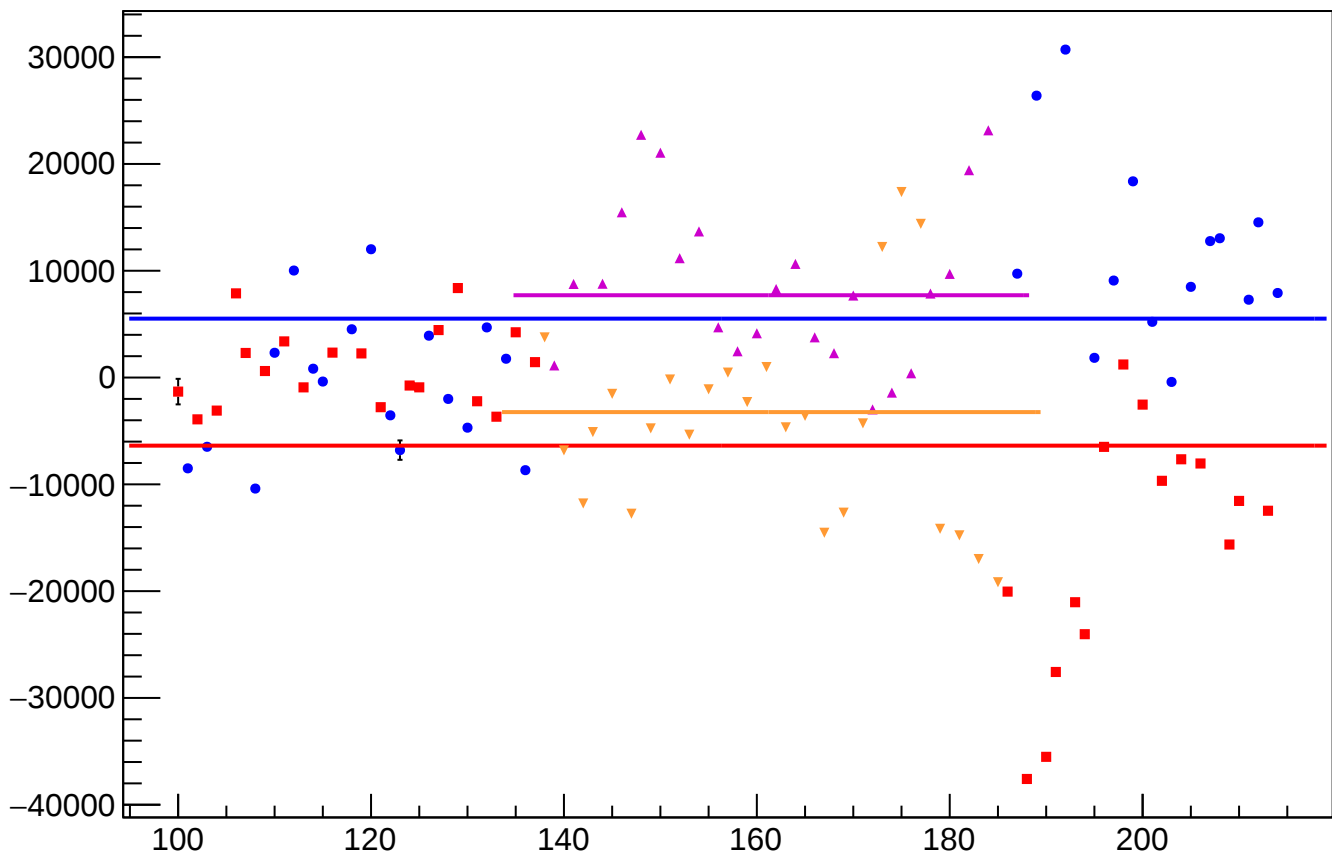
Left In: 128.184 $\pm$ 0.023 χ^2 /NDF: 2332977.5/22

+ sign 122.261 $\pm$ 0.015 χ^2 /NDF: 4979081.3/55

All: 122.033 $\pm$ 0.011 χ^2 /NDF: 9932083.7/112

- sign 121.803 $\pm$ 0.015 χ^2 /NDF: 4952556.4/56

asym_bpm1i06WS_mean vs Slug



Right In: 5516.406+/-40.471 χ^2/NDF : 62638.3/30

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: -6376.236+/-38.871 χ^2/NDF : 93443.9/33

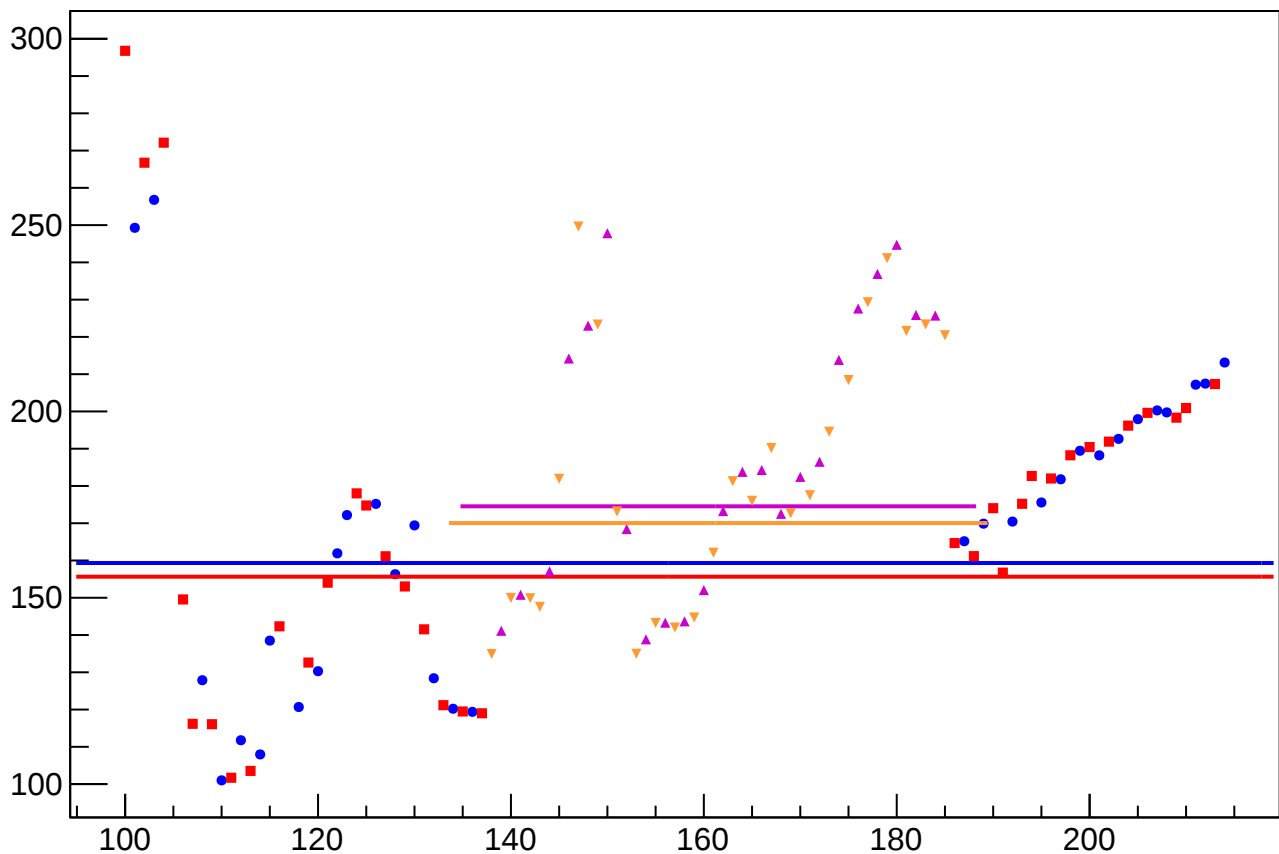
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign 1152.751+/-28.657 χ^2/NDF : 122692.8/55

All: 559.361+/-20.325 χ^2/NDF : 297312.9/112

- sign -41.330+/-28.833 χ^2/NDF : 173757.3/56

asym_bpm1i06WS_rms vs Slug



Right In: 159.328+/-0.029 χ^2/NDF : 1819206.3/30

Left Out: 170.050+/-0.029 χ^2/NDF :1240866.9/24

Right Out: 155.655+/-0.027 χ^2/NDF : 1888899.4/33

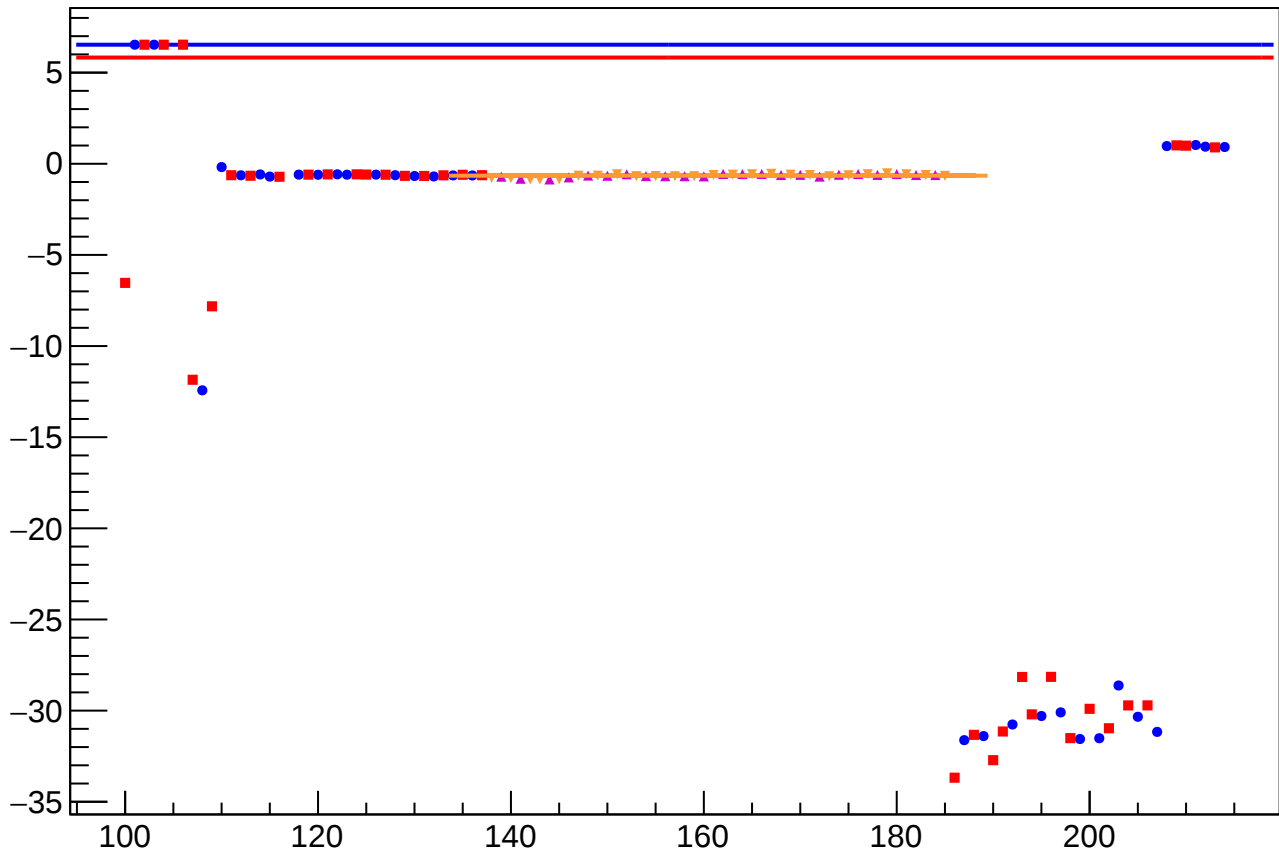
Left In: 174.539+/-0.030 χ^2/NDF :1210071.2/22

+ sign 164.674+/-0.020 χ^2/NDF : 3130062.7/55

All: 164.413+/-0.014 χ^2/NDF : 6441695.0/112

- sign 164.149+/-0.020 χ^2/NDF : 3311299.1/56

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 135451109721.3/30

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755951738191681.8/33

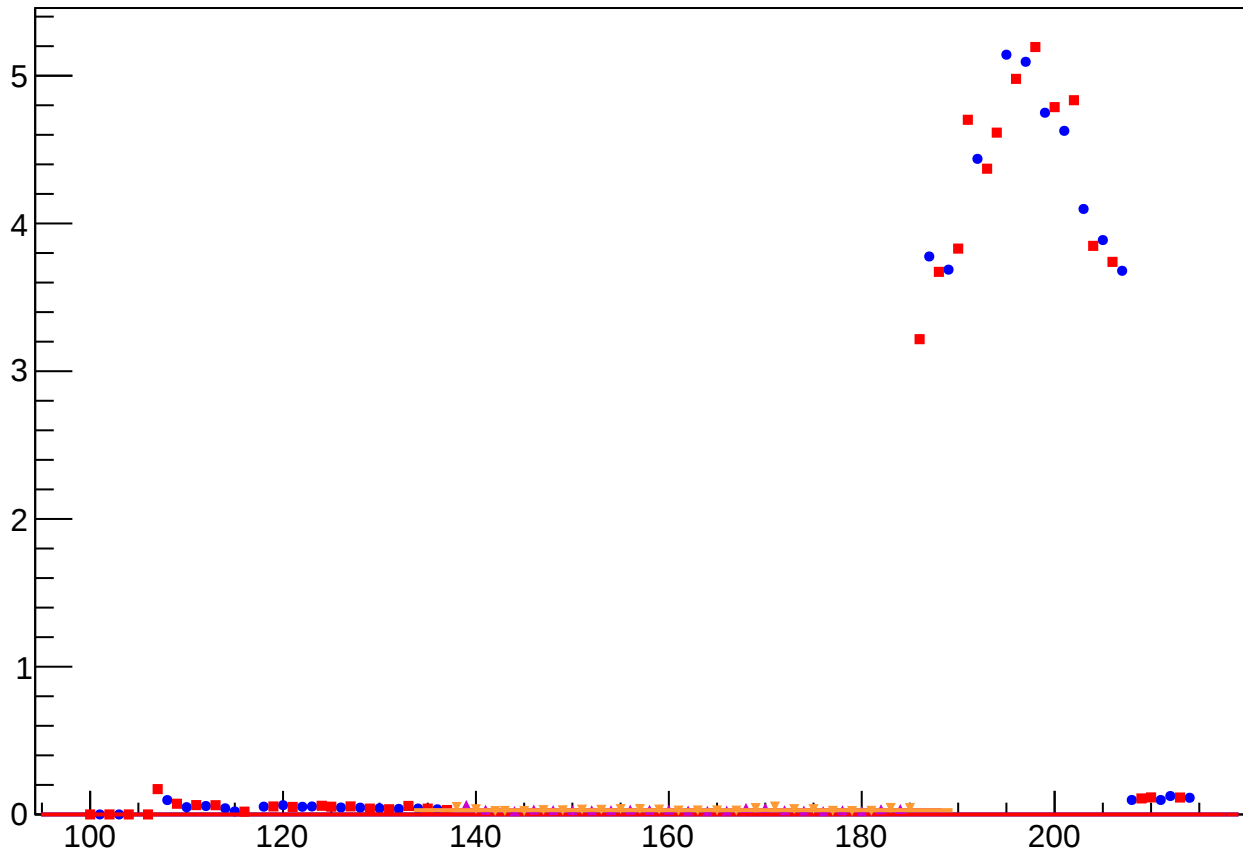
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1006836113762.9/55

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77761329170749

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756623080894224.9/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 28438310.6/30

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 29049862.2/33

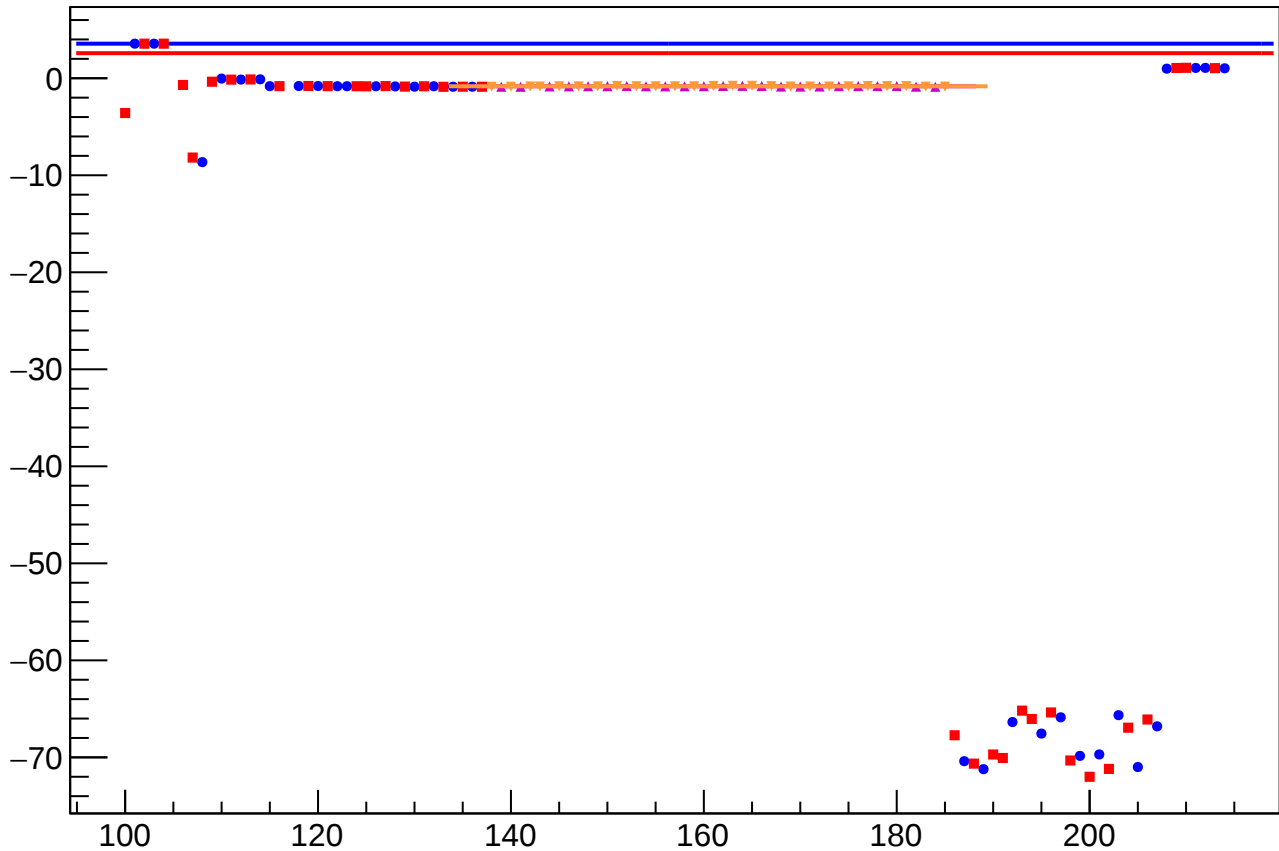
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 58309027.6/55

All: 0.000+/-0.000 χ^2/NDF : 115324925.6/112

- sign 0.000+/-0.000 χ^2/NDF : 57015152.3/56

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 551945556001.5/30

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

+ sign 3.560+/-0.000 χ^2/NDF : 4233993979982.3/55

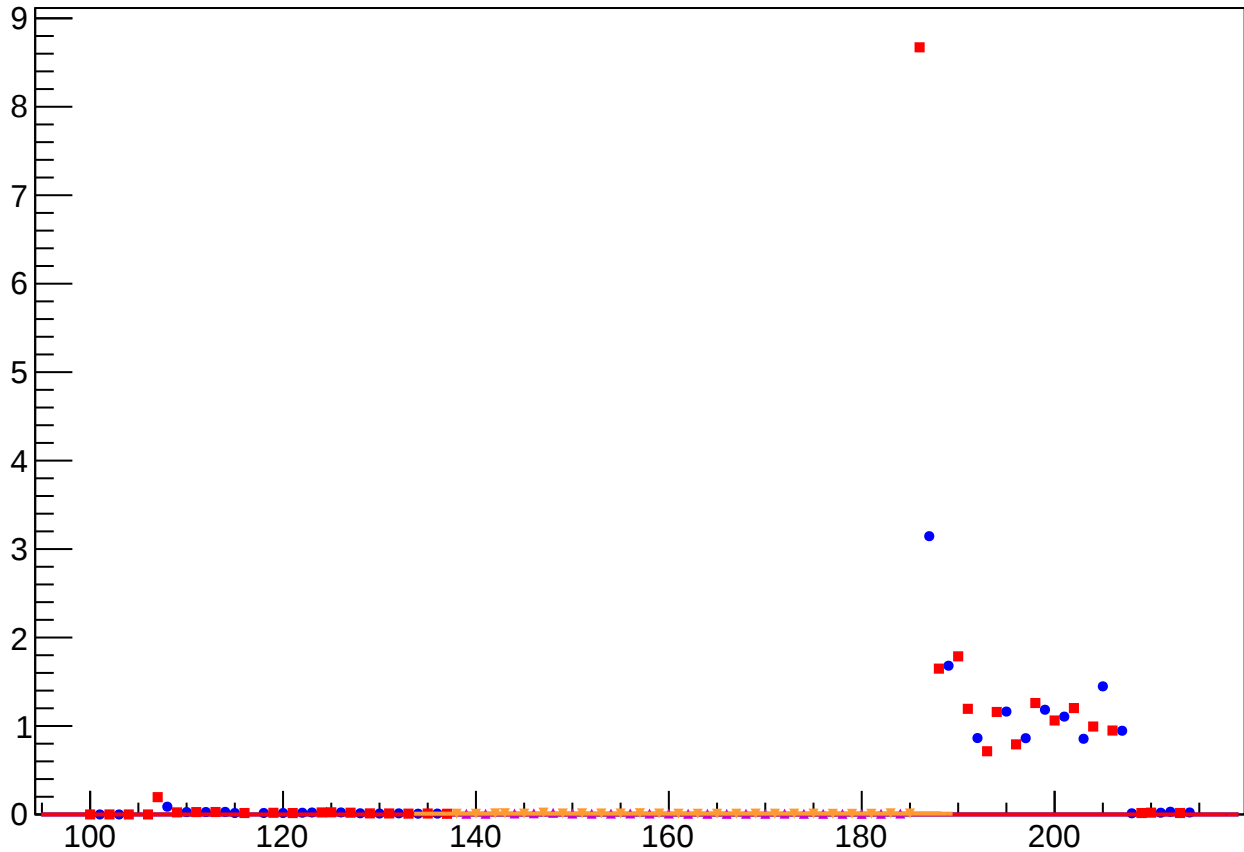
Right Out: 2.583+/-0.000 χ^2/NDF : 1253549061871063.8/33

All: 3.038+/-0.000 χ^2/NDF : 13880541104980.0

- sign 2.581+/-0.000 χ^2/NDF : 1255749068436547.0

Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 26016033.8/30

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 26942214.3/33

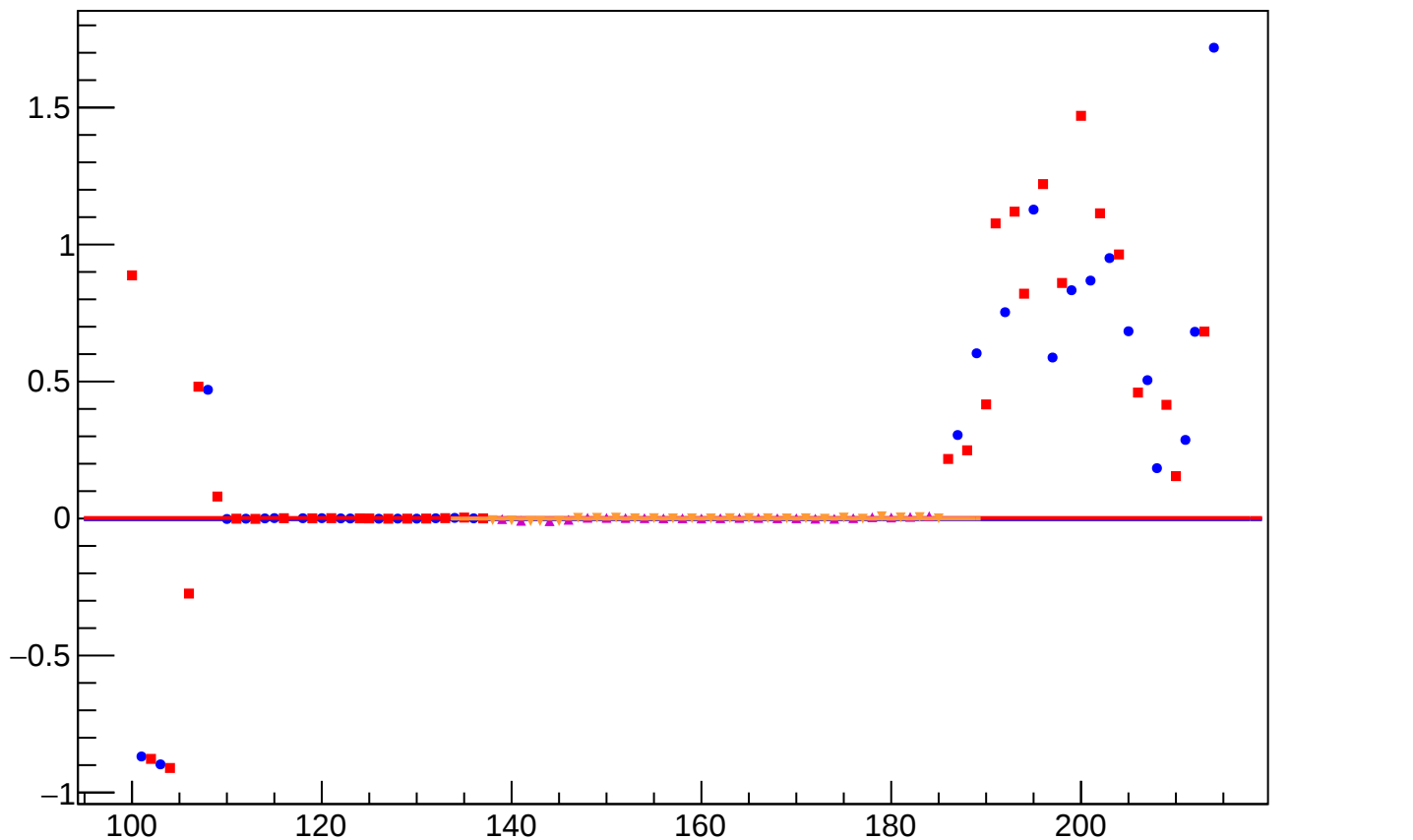
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 57421663.0/55

All: 0.000+/-0.000 χ^2/NDF : 113907983.7/112

- sign 0.000+/-0.000 χ^2/NDF : 56485119.0/56

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9797494616.9/30

Left Out: -0.000 ± 0.000 χ^2/NDF : 151482851.1/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3043746940.9/33

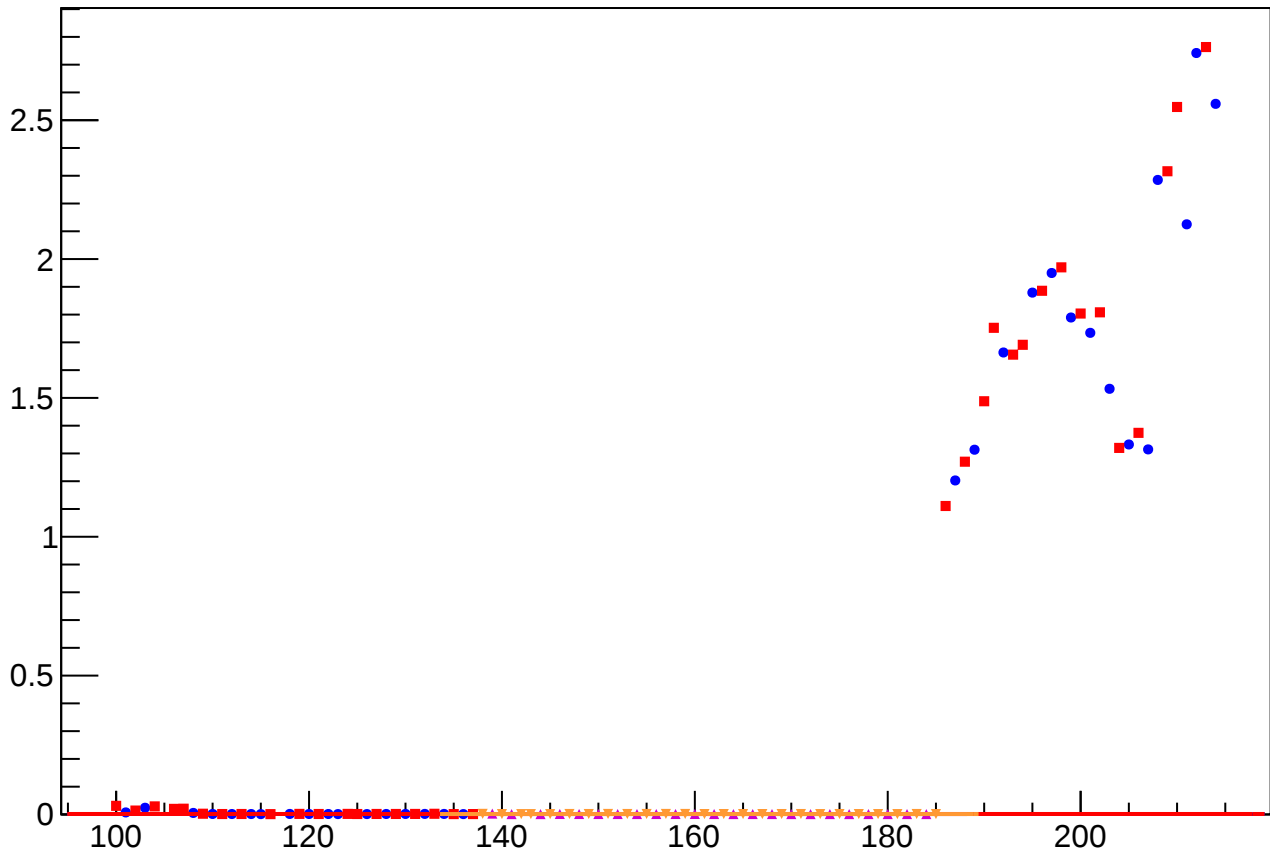
Left In: 0.001 ± 0.000 χ^2/NDF : 101439617.3/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9955507944.4/55

All: 0.000 ± 0.000 χ^2/NDF : 13110244363.7/100

- sign 0.001 ± 0.000 χ^2/NDF : 3147155314.2/56

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 21331128.7/30

Left Out: 0.001+/-0.000 χ^2/NDF :539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 22698185.4/33

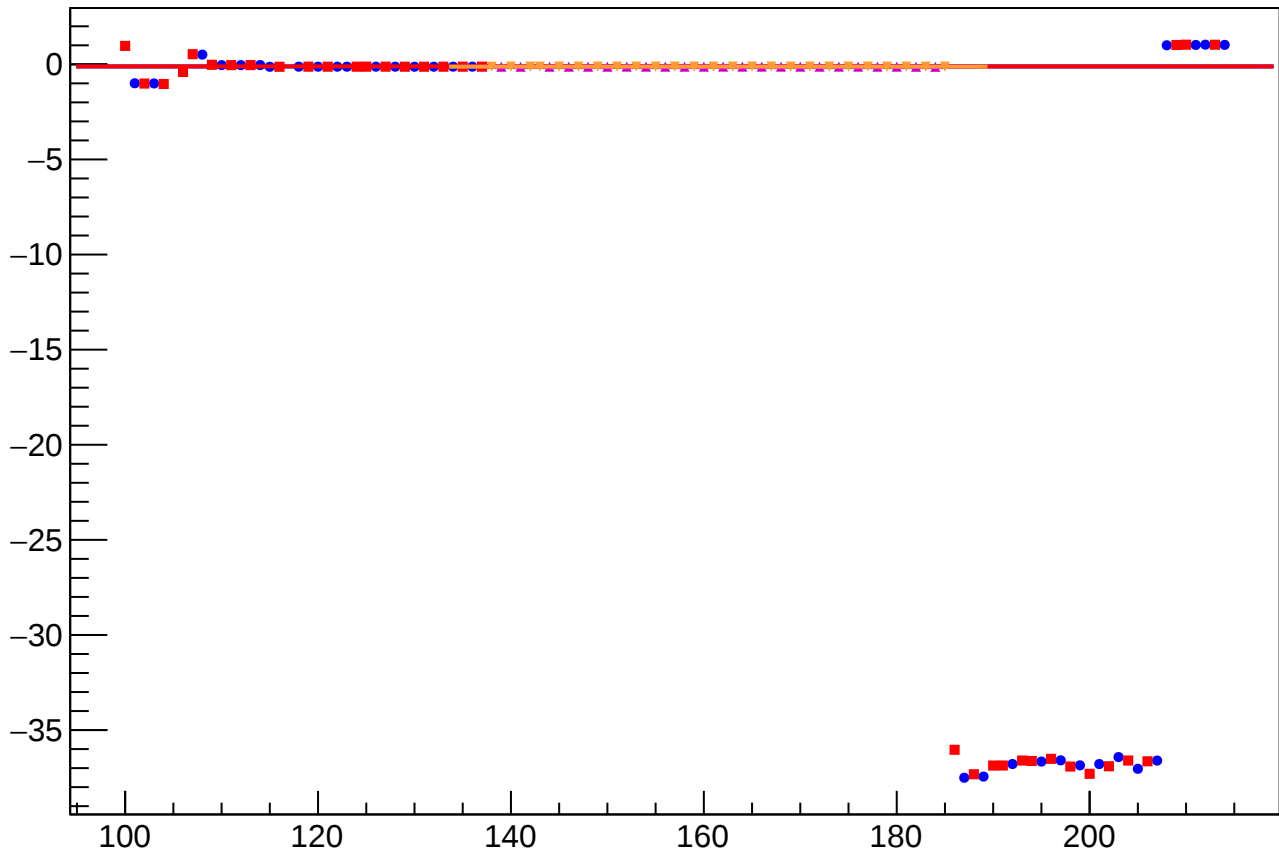
Left In: 0.001+/-0.000 χ^2/NDF :626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 21944015.9/55

All: 0.002+/-0.000 χ^2/NDF : 45388289.7/112

- sign 0.002+/-0.000 χ^2/NDF : 23435332.4/56

yield_cav4cY_mean vs Slug



Right In: -0.111 ± 0.000 $\chi^2/\text{NDF}: 87566062687.7/30$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58120109.3/24$

Right Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 87770981460.9/33$

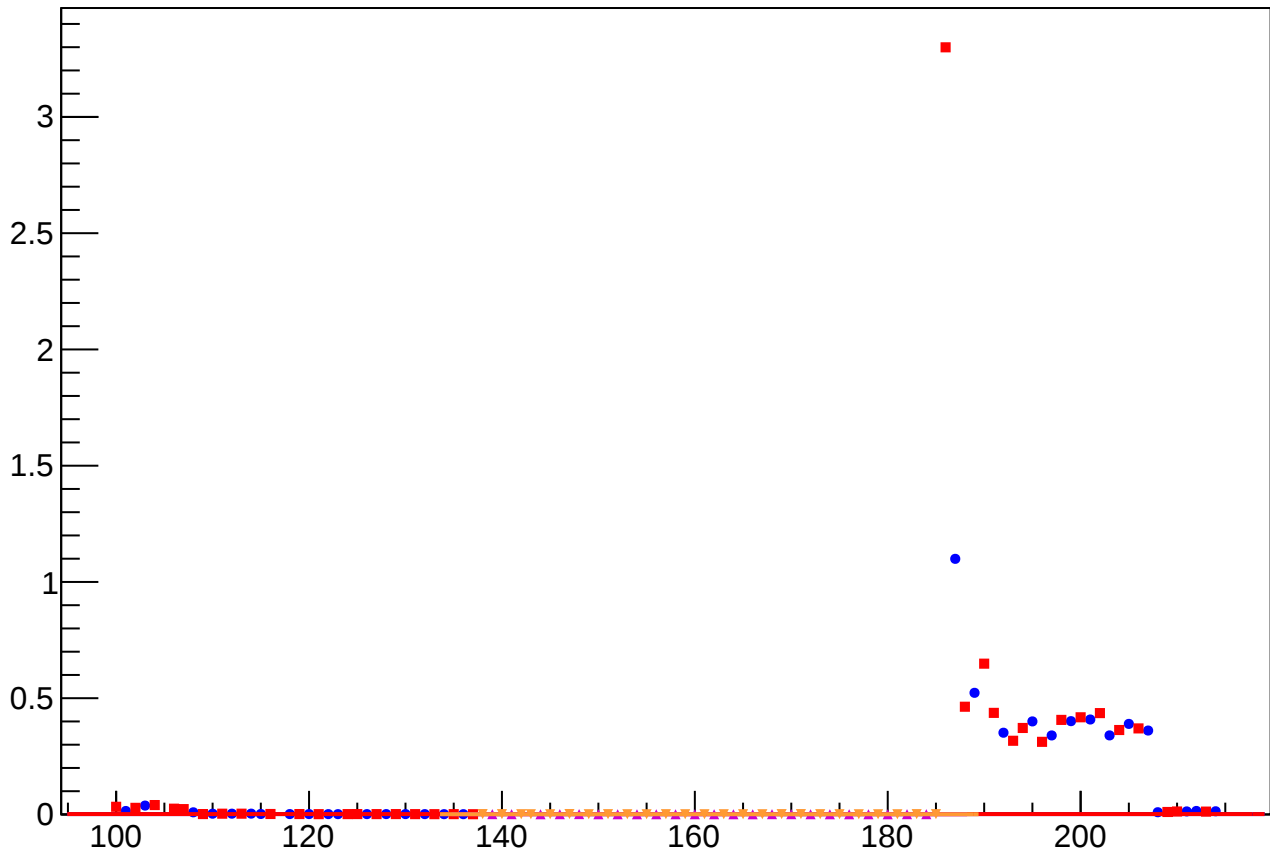
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 52113932.9/22$

+ sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 87798581293.7/55$

All: -0.120 ± 0.000 $\chi^2/\text{NDF}: 175937272239.7$

- sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 88135396837.6/56$

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 20284940.4/30

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 21615882.4/33

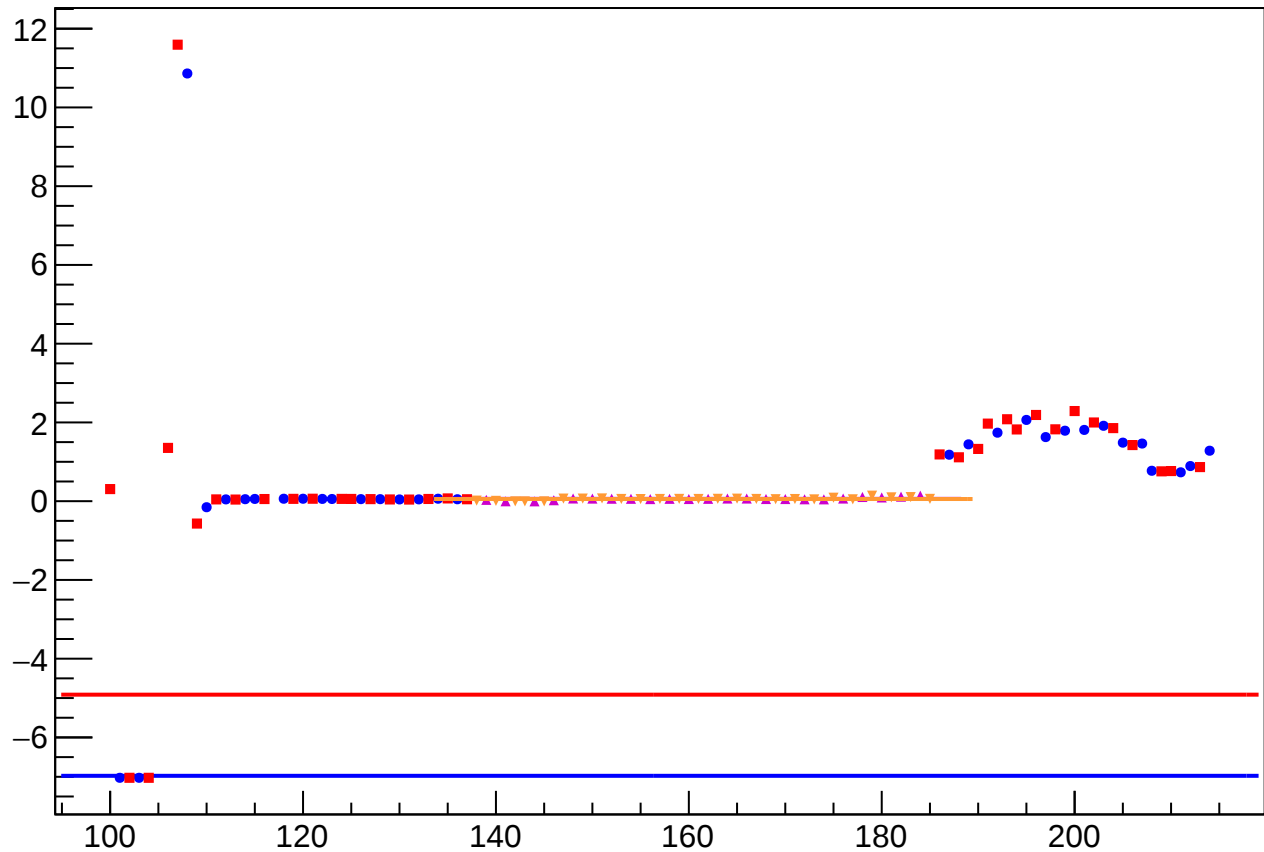
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 23304400.8/55

All: 0.001+/-0.000 χ^2/NDF : 47382461.0/112

- sign 0.001+/-0.000 χ^2/NDF : 24076638.5/56

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8797909552683.7/30

Left Out: 0.055 ± 0.000 χ^2/NDF : 243682351.4/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365352939436107.6/33

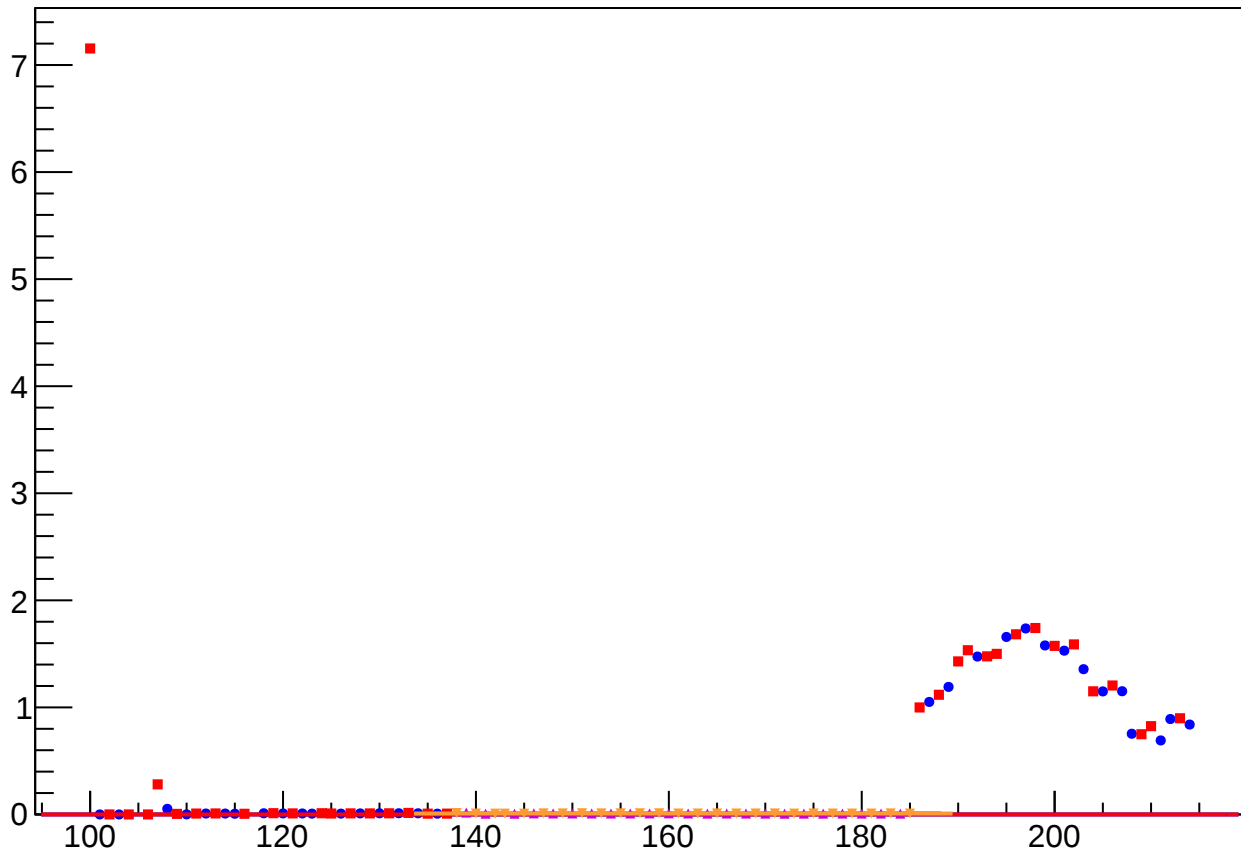
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18424217673701.7/30

All: -5.858 ± 0.000 χ^2/NDF : 4435293481196

- sign -4.882 ± 0.000 χ^2/NDF : 369731957976531.8

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 27784794.1/30

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 28485107.5/33

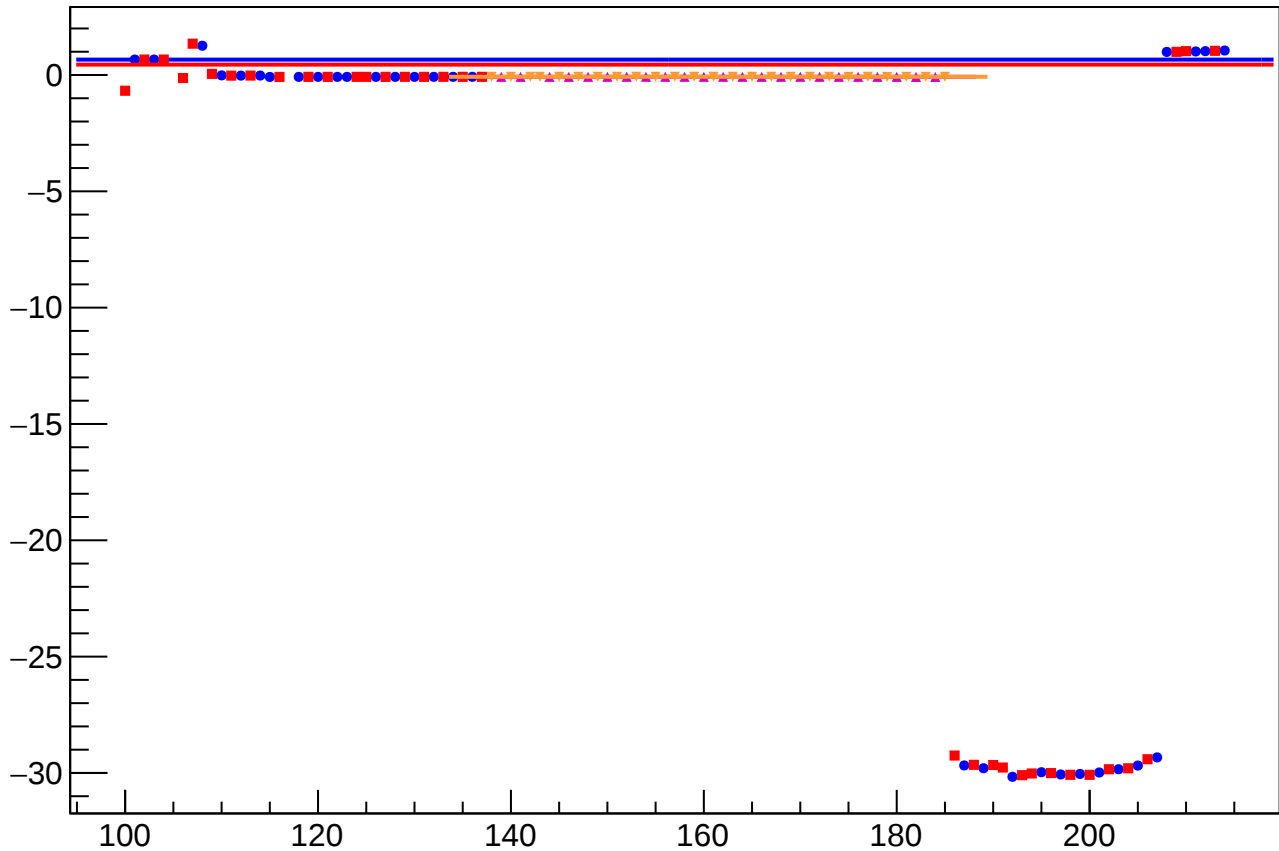
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 56685521.6/55

All: 0.000+/-0.000 χ^2/NDF : 112630635.5/112

- sign 0.000+/-0.000 χ^2/NDF : 55940262.8/56

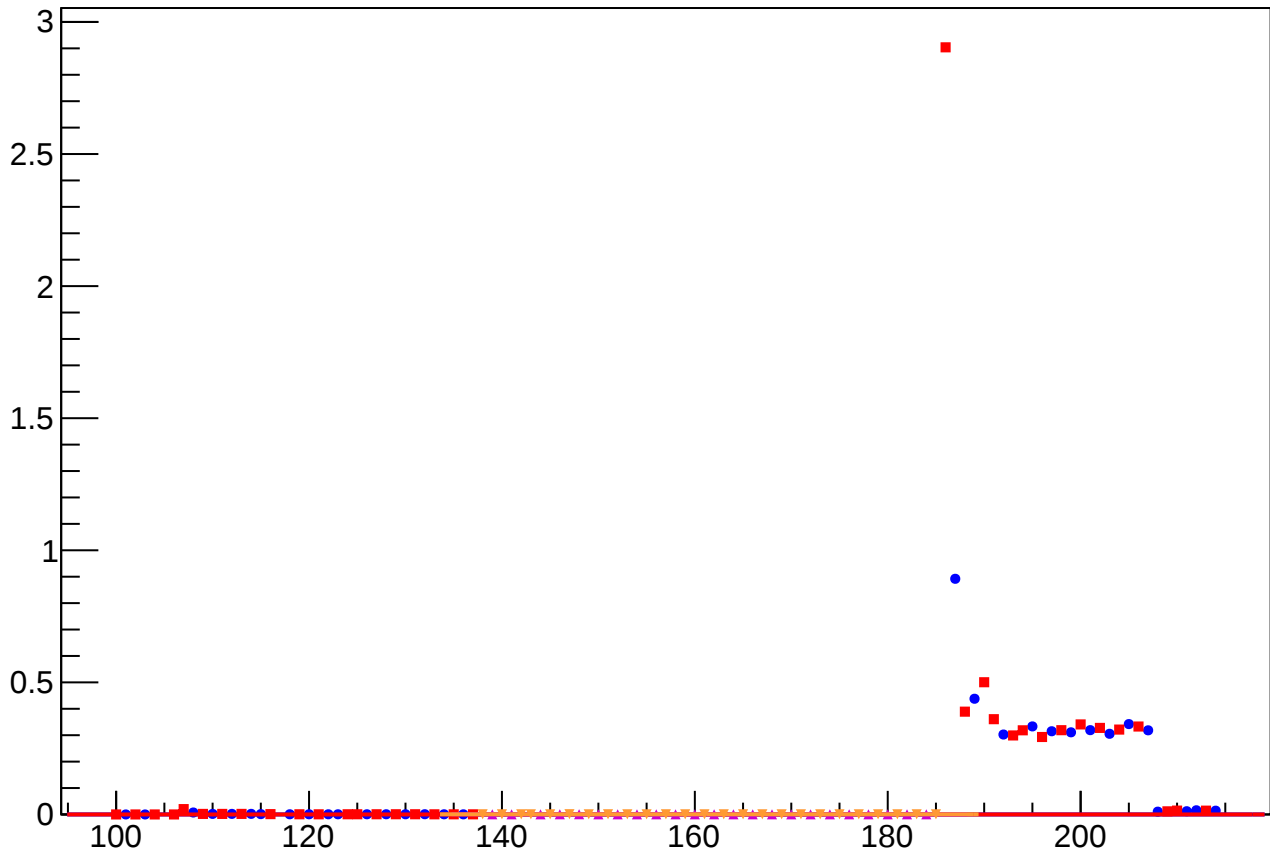
yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 χ^2/NDF : 5721289585046.9/30
Left Out: -0.078 ± 0.000 χ^2/NDF : 156404795.7/24
Right Out: 0.446 ± 0.000 χ^2/NDF : 405494269861149.1/33
Left In: -0.077 ± 0.000 χ^2/NDF : 110762924.1/22

+ sign 0.646 ± 0.000 χ^2/NDF : 35820241059122.9/5
All: 0.537 ± 0.000 χ^2/NDF : 51597380808403
- sign 0.437 ± 0.000 χ^2/NDF : 419616416145853.3/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 29159450.1/30

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 29048800.9/33

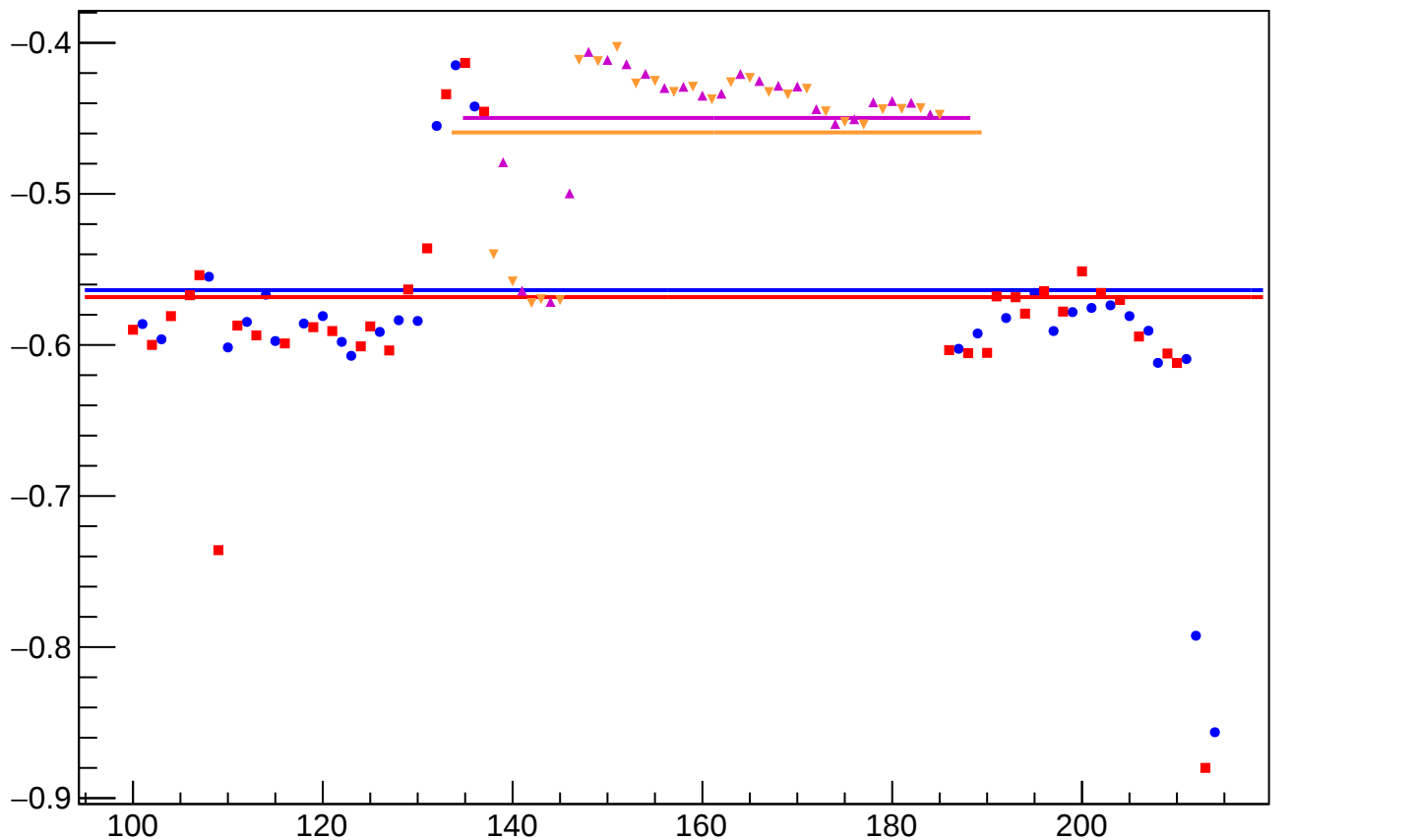
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 61703149.4/55

All: 0.000+/-0.000 χ^2/NDF : 121546568.9/112

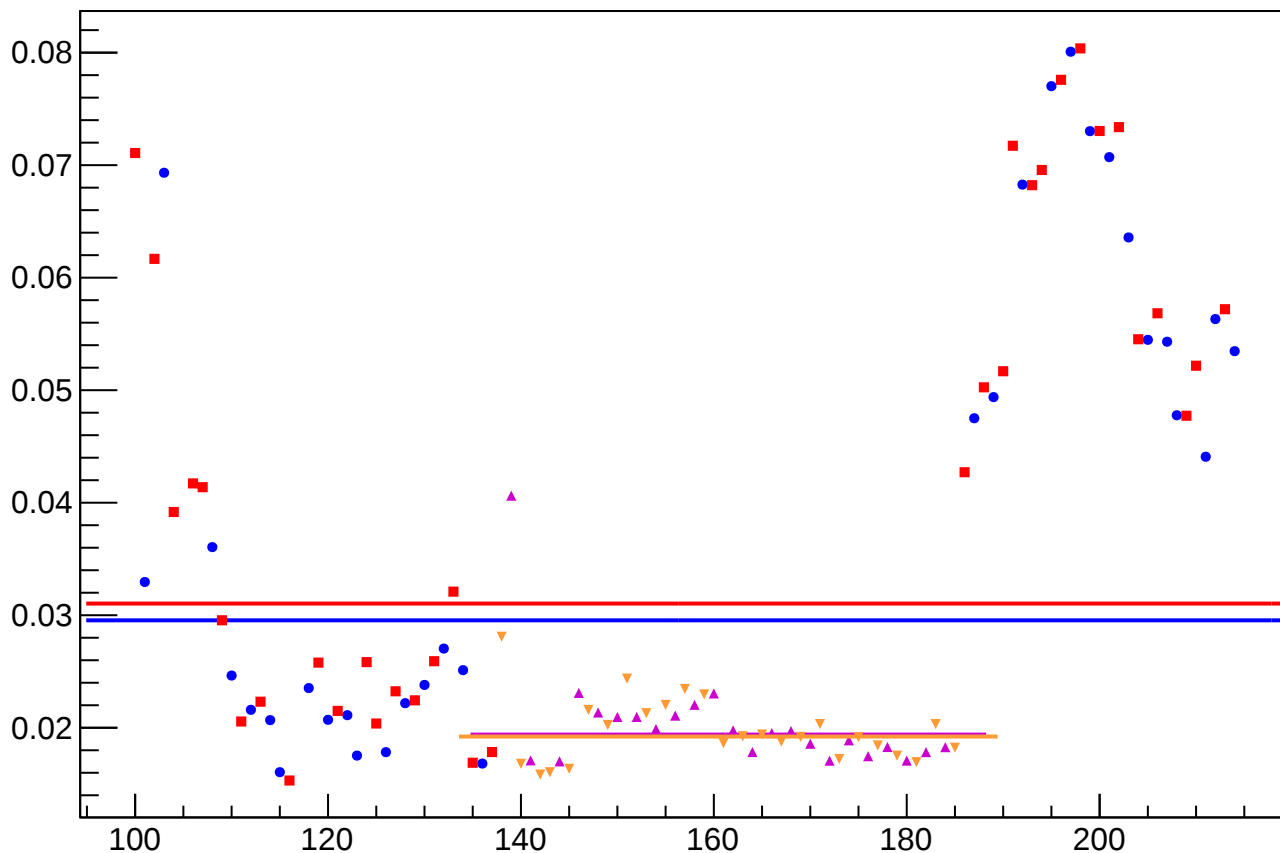
- sign 0.000+/-0.000 χ^2/NDF : 59835351.4/56

yield_bpm4aX_mean vs Slug



+ sign -0.485 ± 0.000 χ^2/NDF : 308924497.4/55
 All: -0.483 ± 0.000 χ^2/NDF : 607209935.1/11
 - sign -0.480 ± 0.000 χ^2/NDF : 297493801.6/56

yield_bpm4aX_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 7257593.7/30

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 501711.6/24

Right Out: 0.031 $\pm$ 0.000 χ^2 /NDF: 7178050.8/33

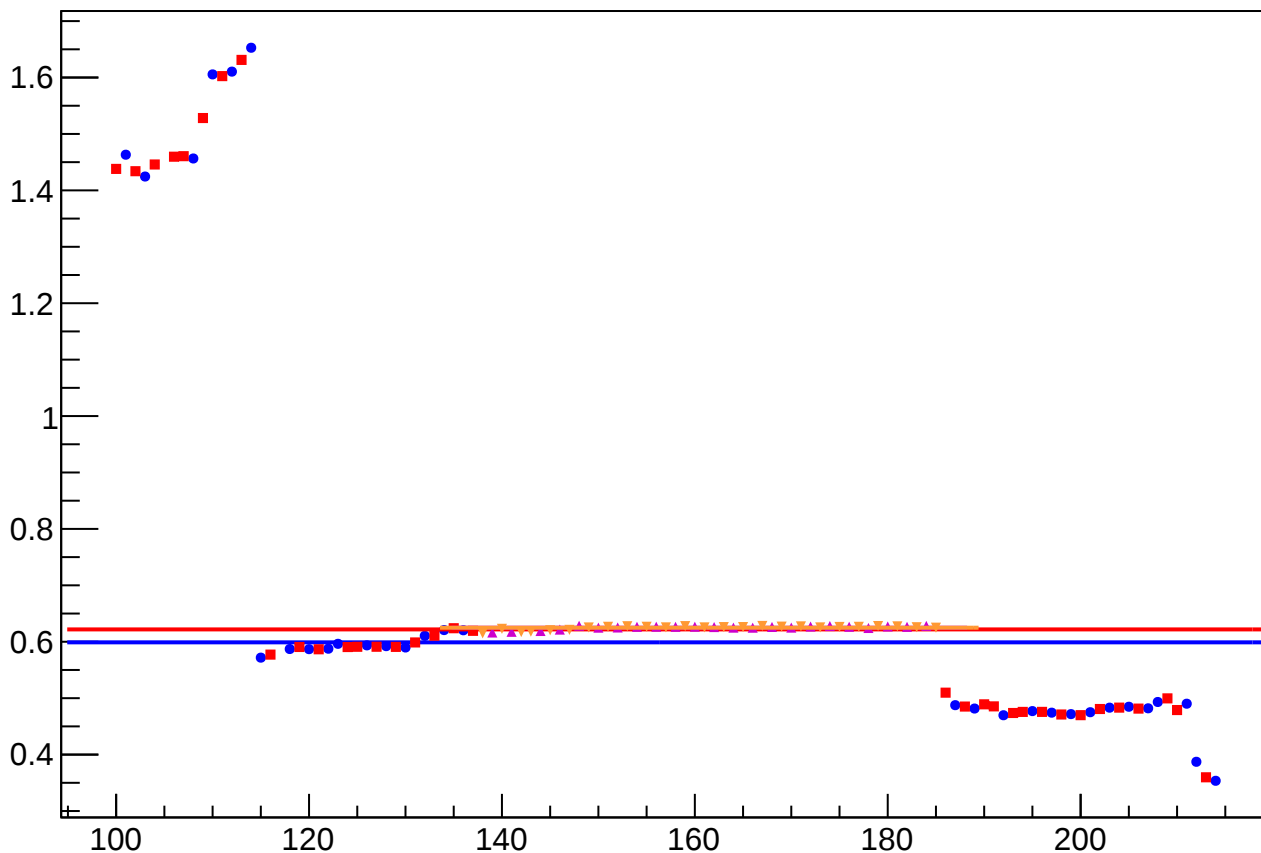
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 626443.5/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 9898782.0/55

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 20272436.8/112

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10357946.4/56

yield_bpm4aY_mean vs Slug



Right In: 0.599+/-0.000 χ^2/NDF : 5360129060.8/30

Left Out: 0.625+/-0.000 χ^2/NDF :1445169.1/24

Right Out: 0.622+/-0.000 χ^2/NDF : 6321067552.2/33

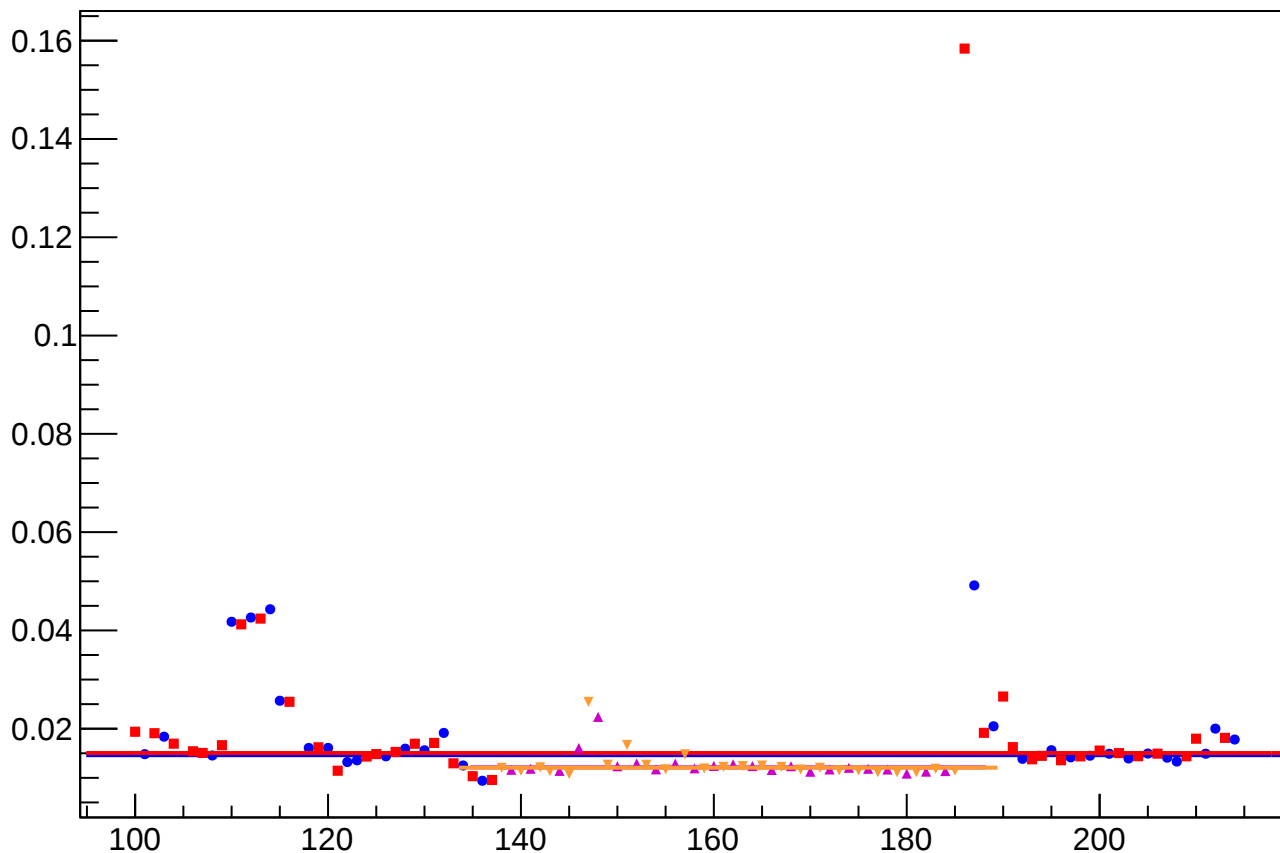
Left In: 0.625+/-0.000 χ^2/NDF :1143954.1/22

+ sign 0.615+/-0.000 χ^2/NDF : 5391576639.7/55

All: 0.619+/-0.000 χ^2/NDF : 11720659063.5/111

- sign 0.624+/-0.000 χ^2/NDF : 6322578881.4/56

yield_bpm4aY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1811262.2/30

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2162730.5/33

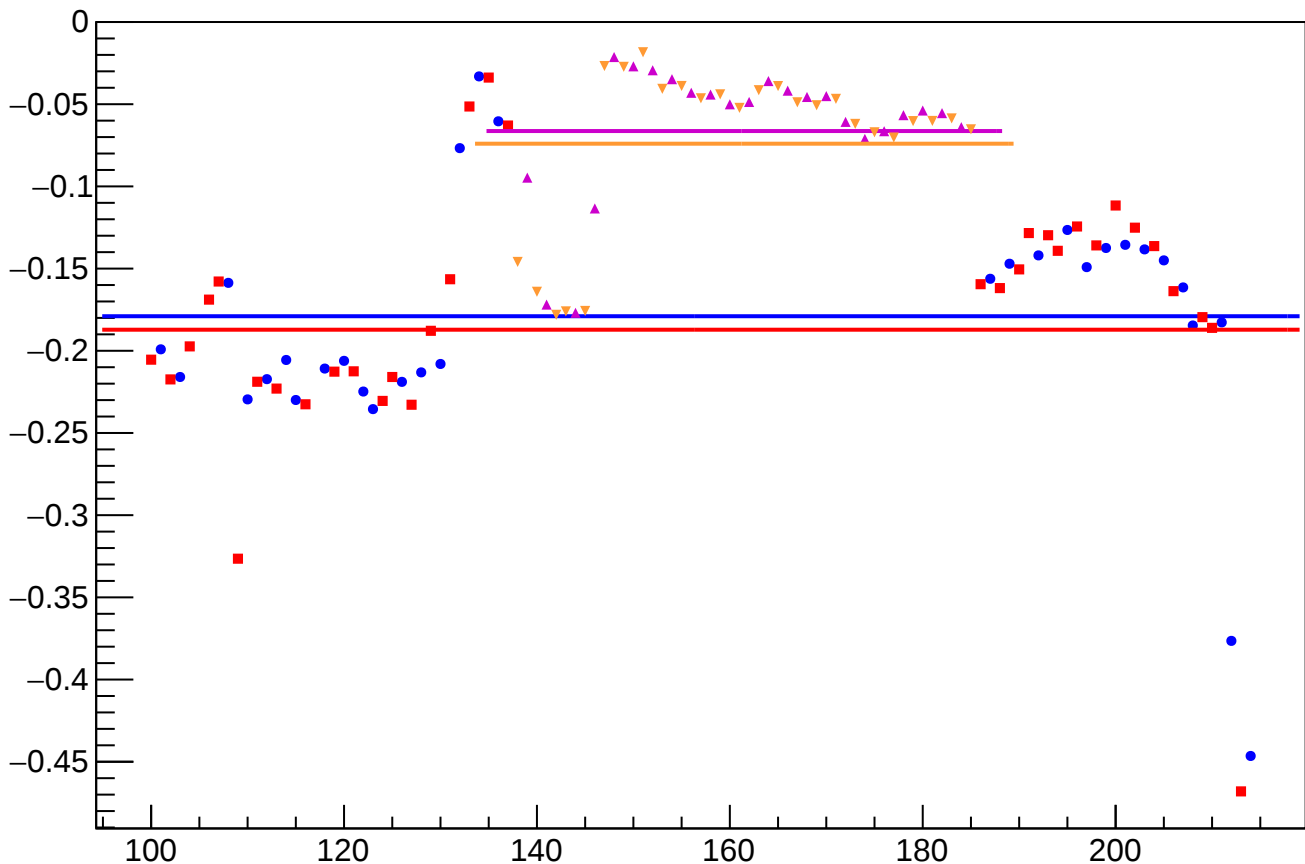
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3044634.5/55

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6425581.2/112

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3371979.6/56

yield_bpm4eX_mean vs Slug



Right In: -0.179 ± 0.000 χ^2/NDF : 101163473.5/30

Left Out: -0.074 ± 0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.187 ± 0.000 χ^2/NDF : 106646484.8/33

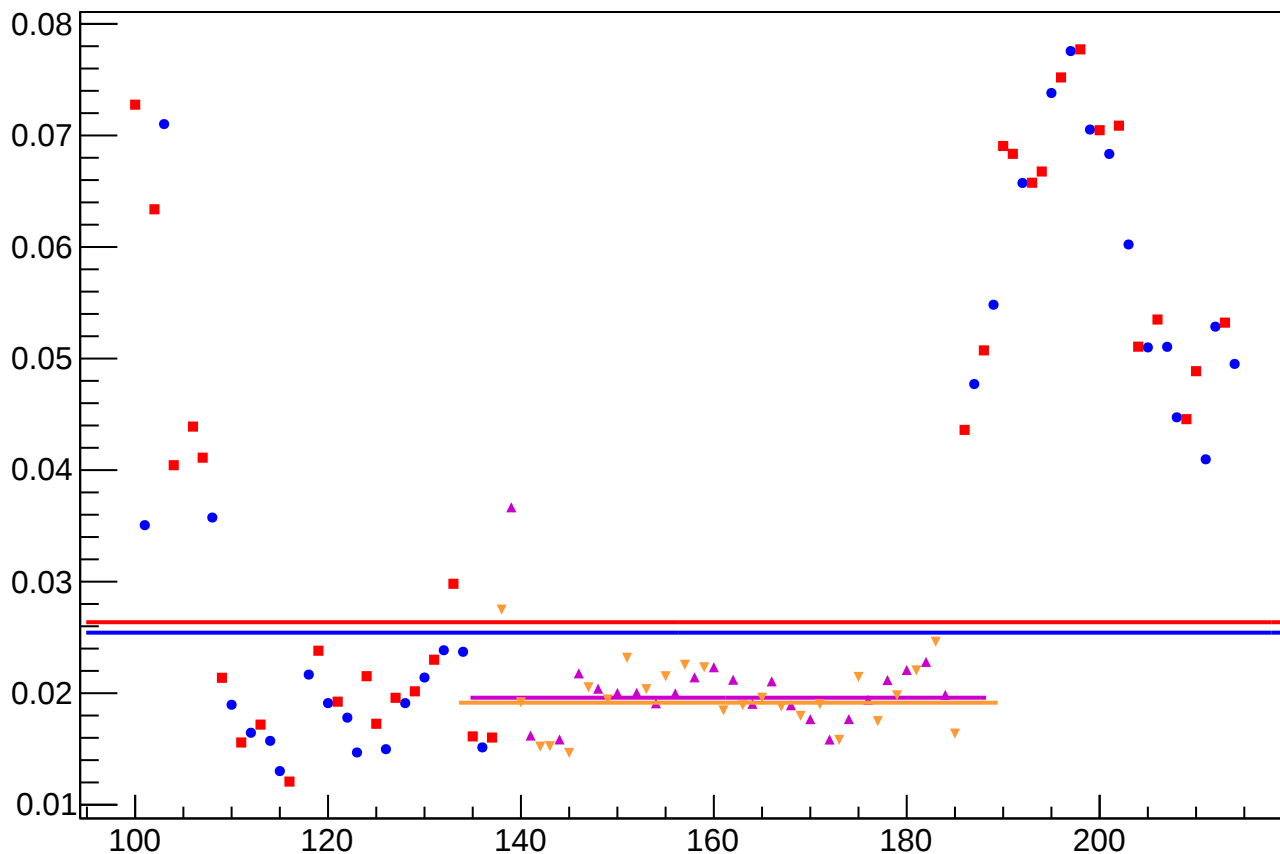
Left In: -0.066 ± 0.000 χ^2/NDF : 76243051.8/22

+ sign -0.105 ± 0.000 χ^2/NDF : 342029288.8/55

All: -0.104 ± 0.000 χ^2/NDF : 690955456.1/11

- sign -0.103 ± 0.000 χ^2/NDF : 348857240.8/56

yield_bpm4eX_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2 /NDF: 8493205.0/30

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641277.0/24

Right Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 8762430.9/33

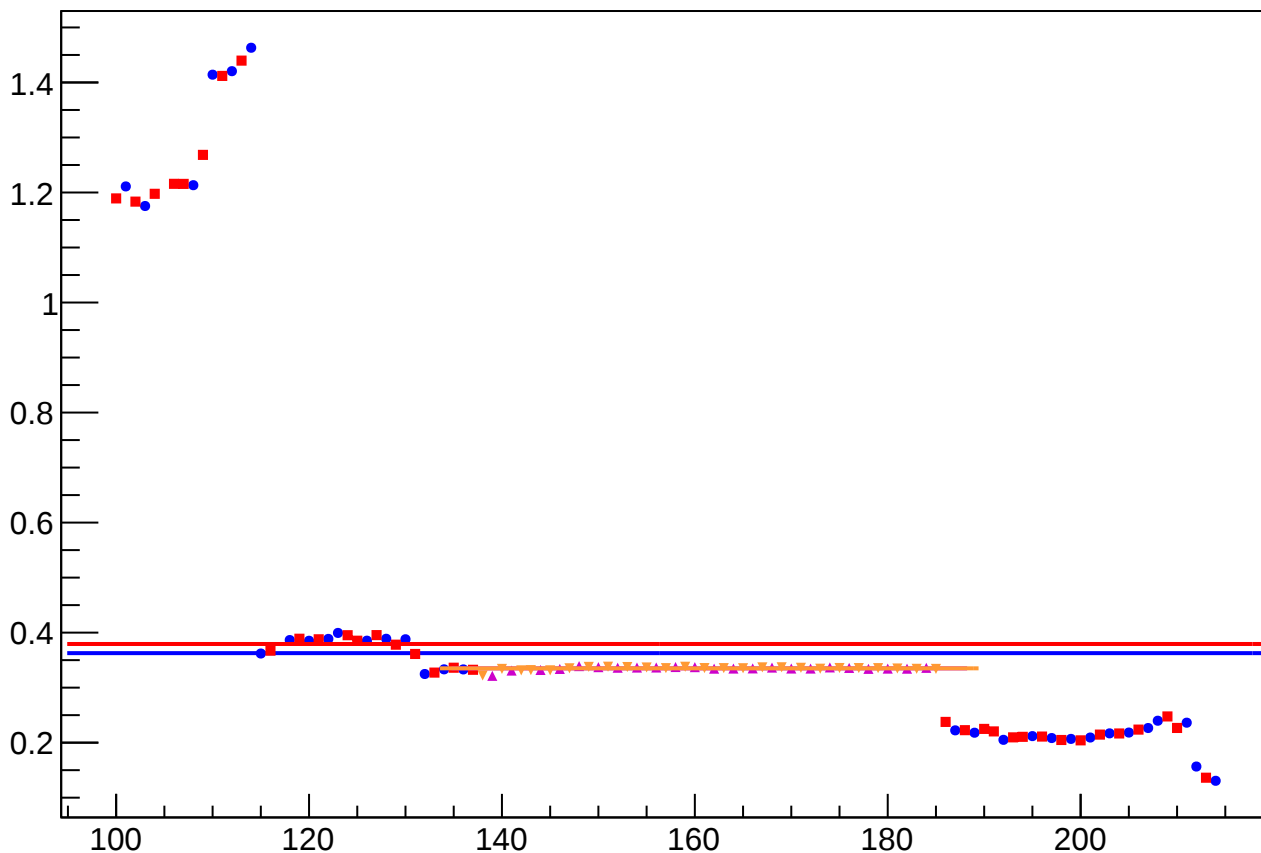
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:623148.2/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 10087205.5/55

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 20538333.5/112

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10425884.3/56

yield_bpm4eY_mean vs Slug



Right In: 0.363+/-0.000 χ^2/NDF : 7799558997.4/30

Left Out: 0.335+/-0.000 χ^2/NDF :1154310.3/24

Right Out: 0.379+/-0.000 χ^2/NDF : 8819507193.5/33

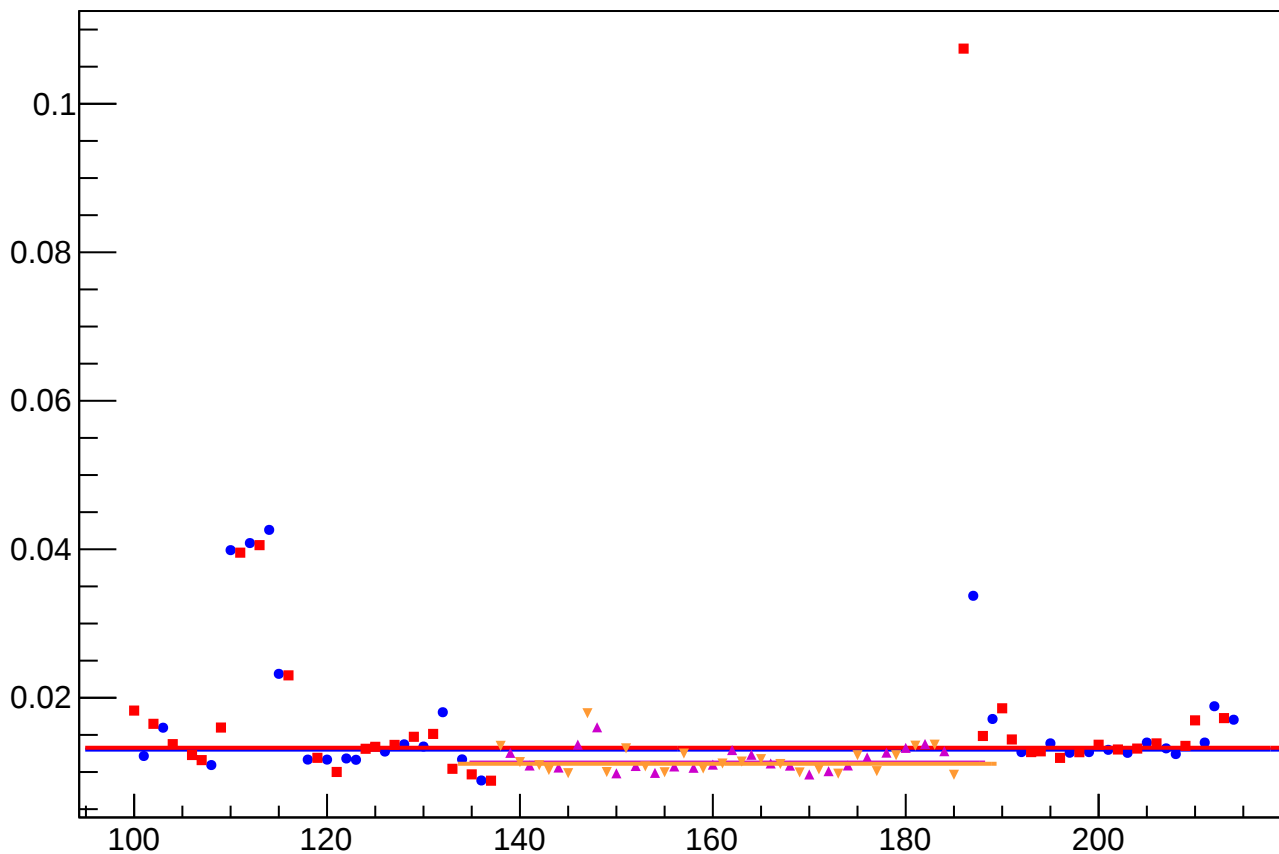
Left In: 0.335+/-0.000 χ^2/NDF :1202194.8/22

+ sign 0.346+/-0.000 χ^2/NDF : 7842308488.0/55

All: 0.349+/-0.000 χ^2/NDF : 16770643830.6/100

- sign 0.353+/-0.000 χ^2/NDF : 8922837764.6/56

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1767883.1/30

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:607532.0/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2094321.5/33

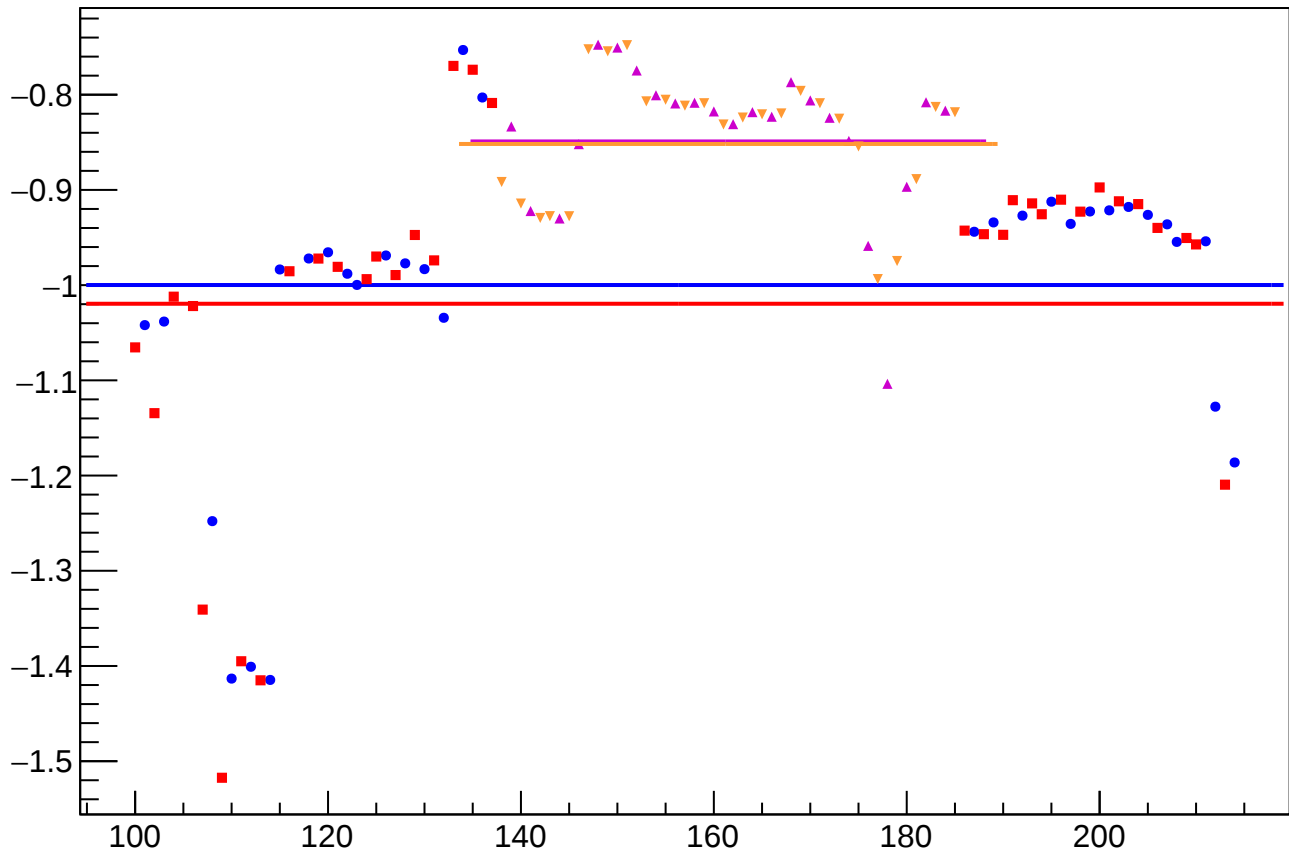
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502455.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2771466.3/55

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5793974.9/112

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3011214.6/56

yield_bpm4acX_mean vs Slug



Right In: -1.000 ± 0.000 χ^2/NDF : 418631609.4/30

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.020 ± 0.000 χ^2/NDF : 568645599.1/33

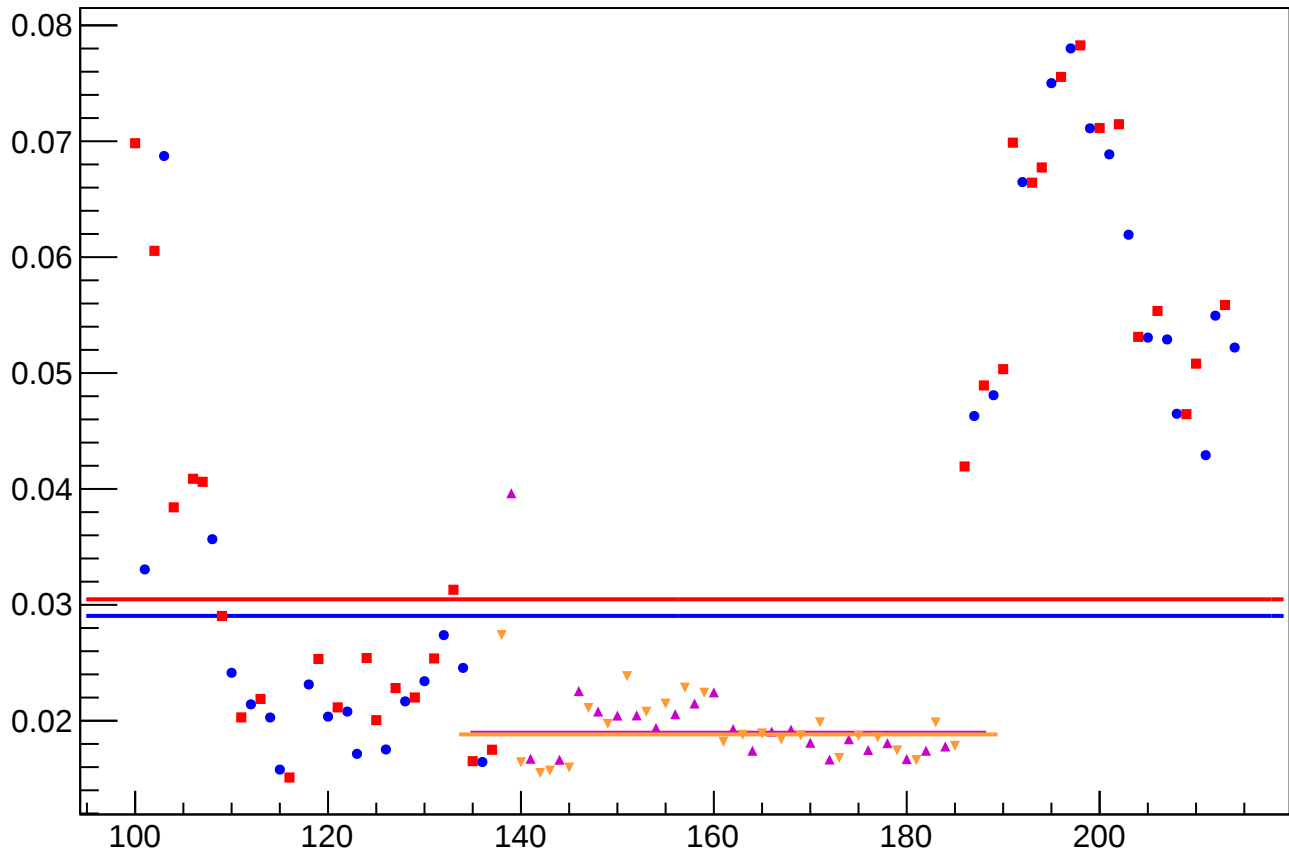
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.889 ± 0.000 χ^2/NDF : 836389622.8/55

All: -0.890 ± 0.000 χ^2/NDF : 1946652603.8/1

- sign -0.892 ± 0.000 χ^2/NDF : 1109927638.7/56

yield_bpm4acX_rms vs Slug



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 7197427.6/30

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:490509.4/24

Right Out: 0.030 $\pm$ 0.000 χ^2 /NDF: 7099703.1/33

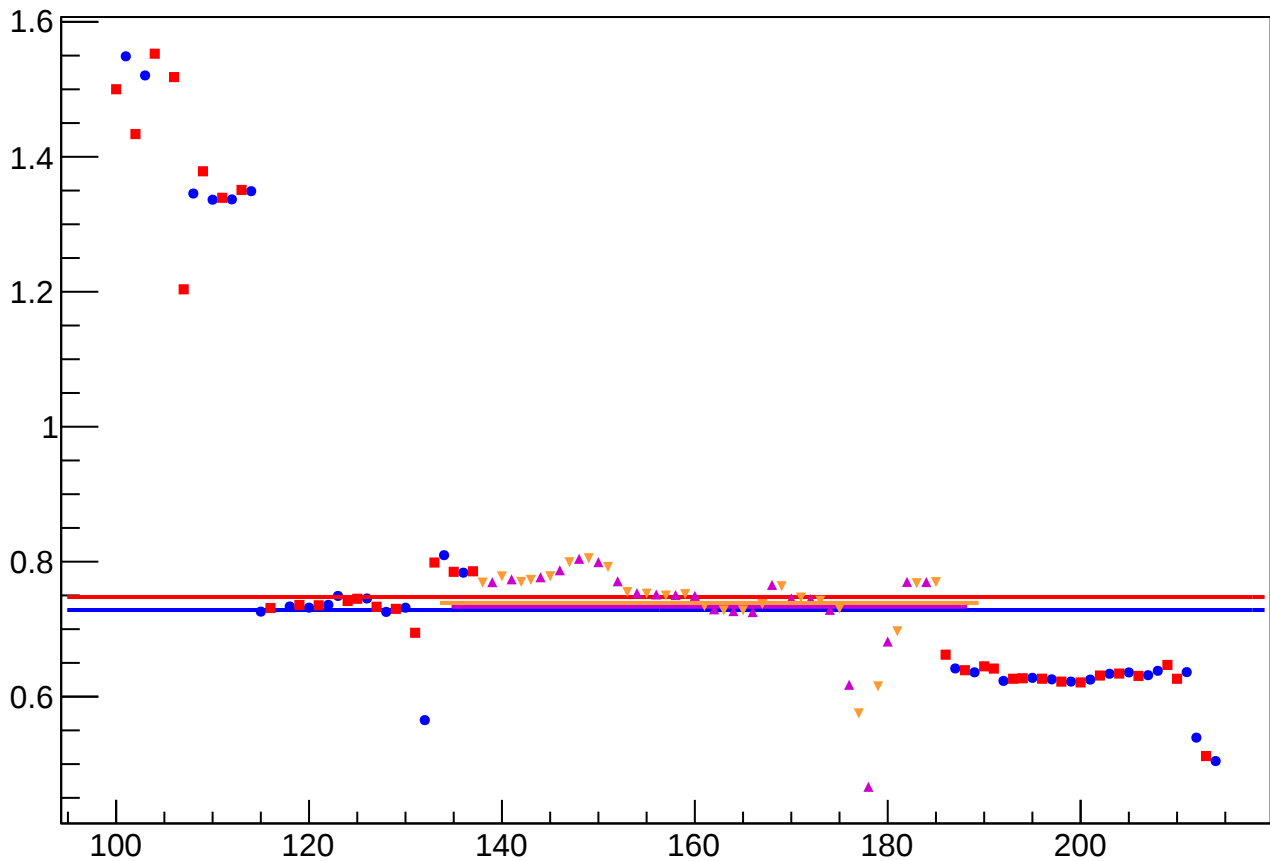
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:615173.8/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9865913.4/55

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 20192695.8/112

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10312968.1/56

yield_bpm4acY_mean vs Slug



Right In: 0.728 $\pm$ 0.000 χ^2 /NDF: 3710864660.4/30

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

Right Out: 0.748 $\pm$ 0.000 χ^2 /NDF: 3969360937.7/33

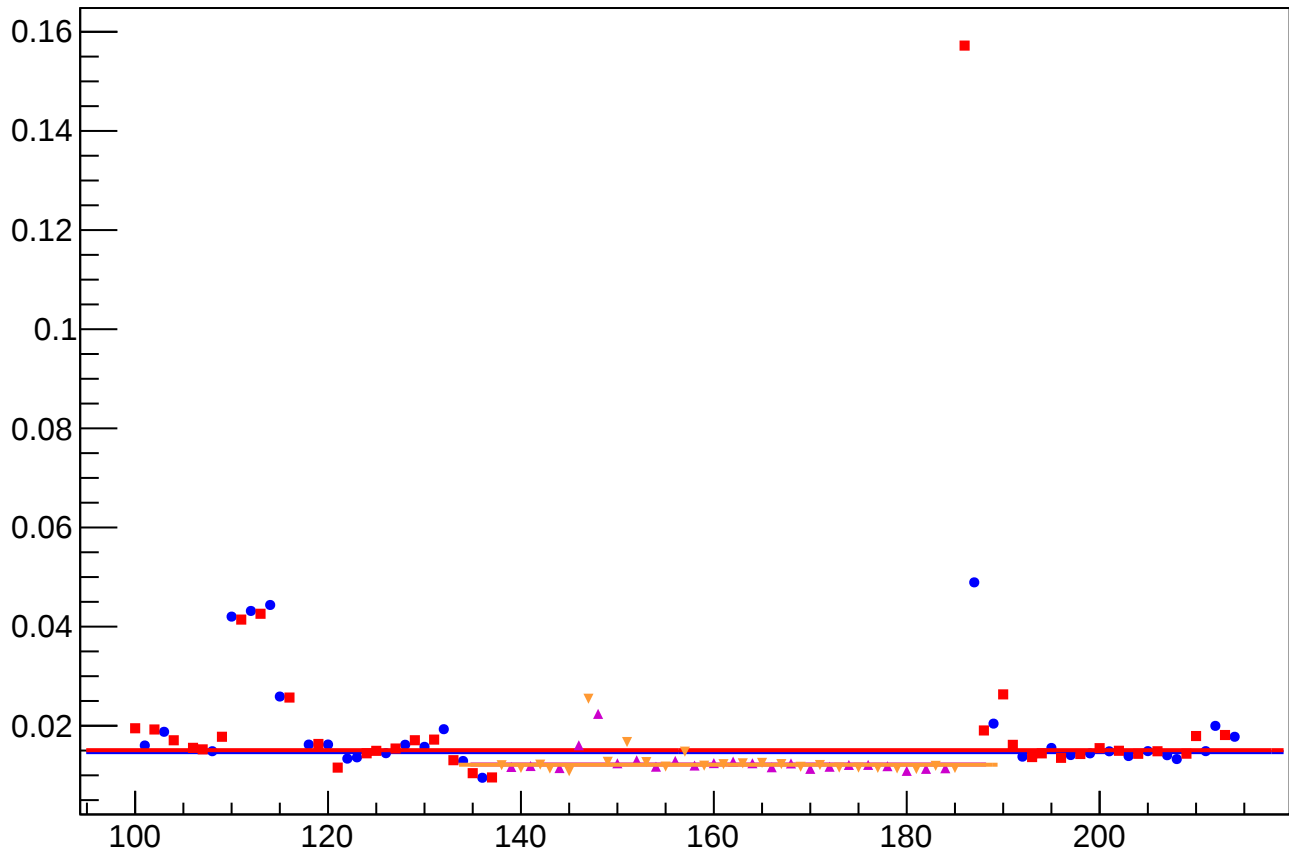
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

+ sign 0.735 $\pm$ 0.000 χ^2 /NDF: 4048713867.5/55

All: 0.737 $\pm$ 0.000 χ^2 /NDF: 8597630416.7/11

- sign 0.739 $\pm$ 0.000 χ^2 /NDF: 4547699169.8/56

yield_bpm4acY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1807026.1/30

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:637986.2/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2164625.9/33

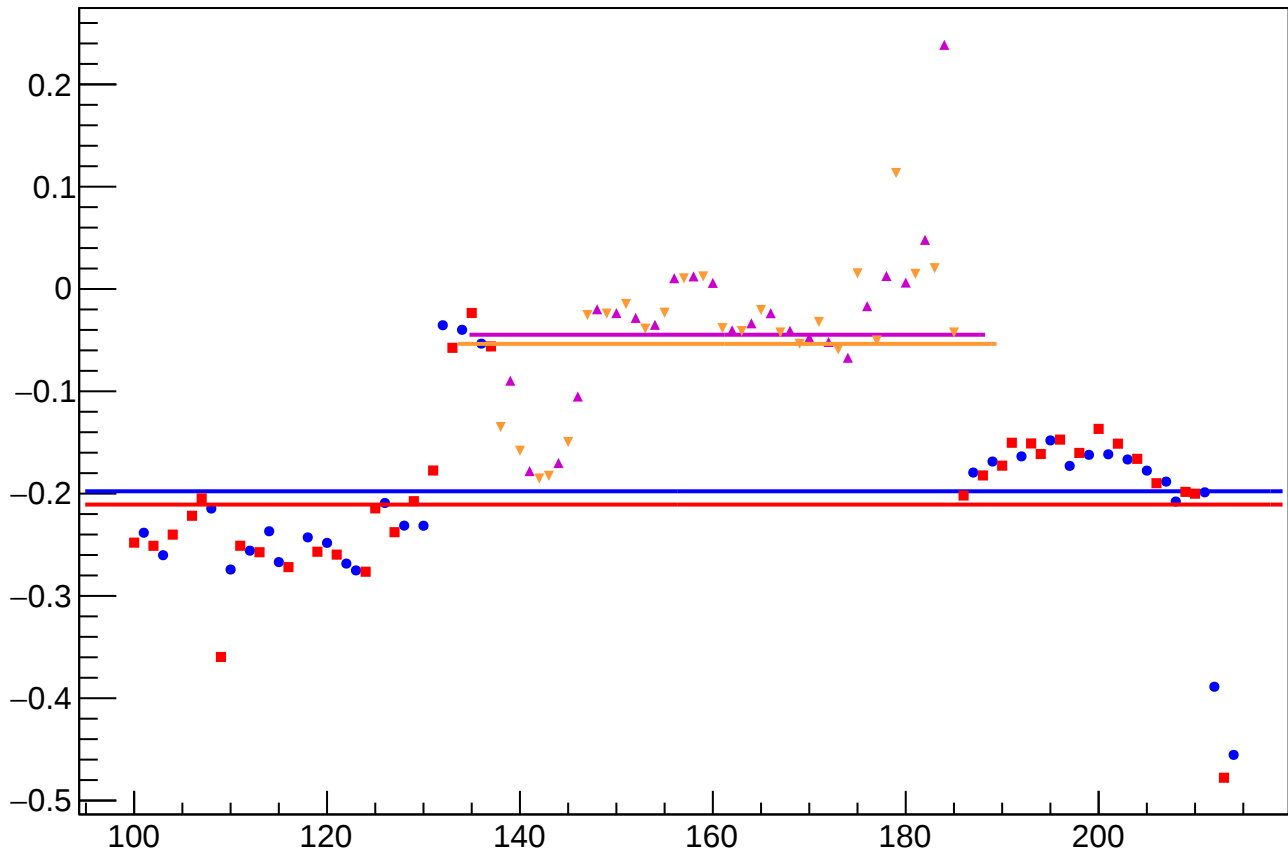
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3012190.4/55

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6367072.2/112

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3347640.8/56

yield_bpm4ecX_mean vs Slug



Right In: -0.198 ± 0.000 χ^2/NDF : 136903487.8/30

Left Out: -0.054 ± 0.000 χ^2/NDF : 167834173.6/24

Right Out: -0.211 ± 0.000 χ^2/NDF : 132531792.0/33

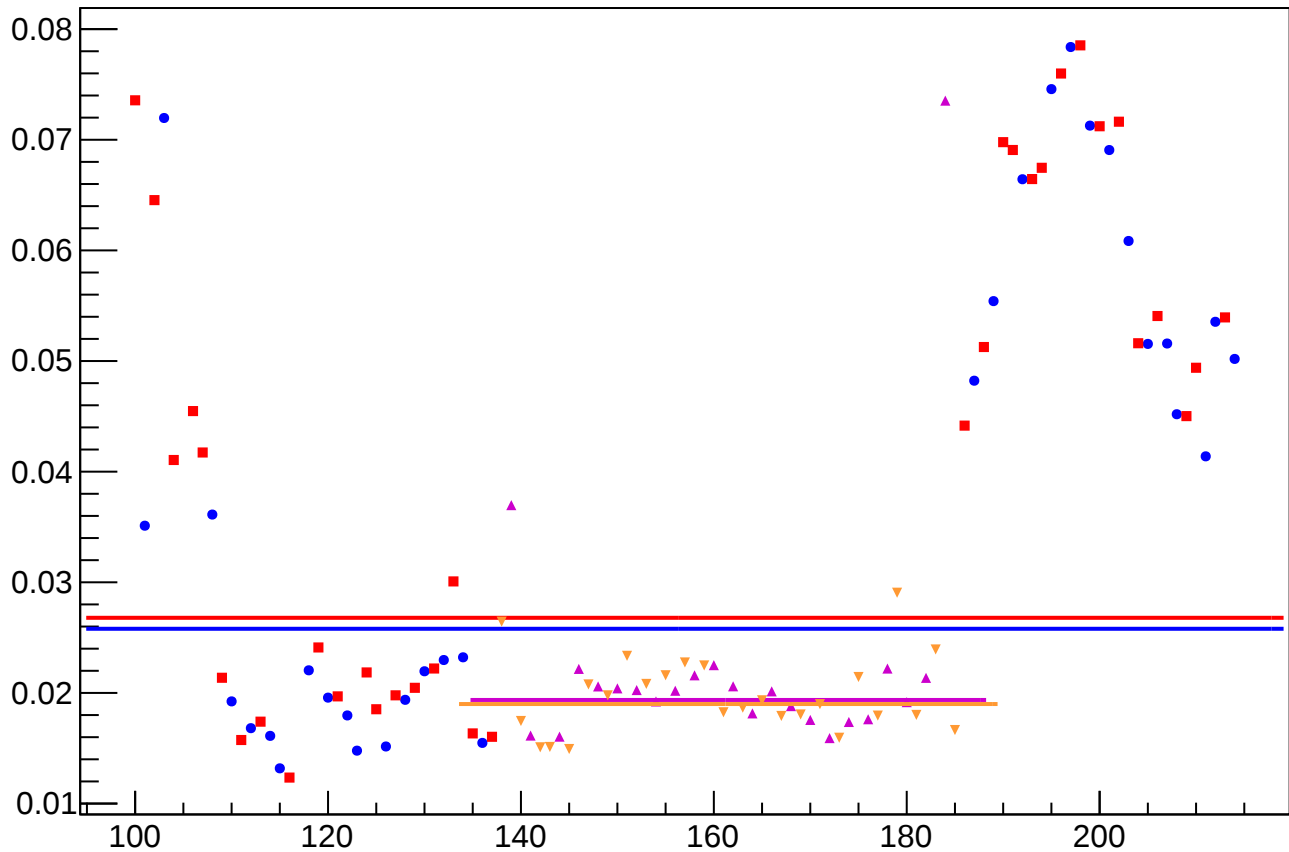
Left In: -0.045 ± 0.000 χ^2/NDF : 127192425.2/22

+ sign -0.096 ± 0.000 χ^2/NDF : 549864427.2/55

All: -0.095 ± 0.000 χ^2/NDF : 1115629945.7/1

- sign -0.095 ± 0.000 χ^2/NDF : 565734802.5/56

yield_bpm4ecX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 8430332.8/30

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 8705642.4/33

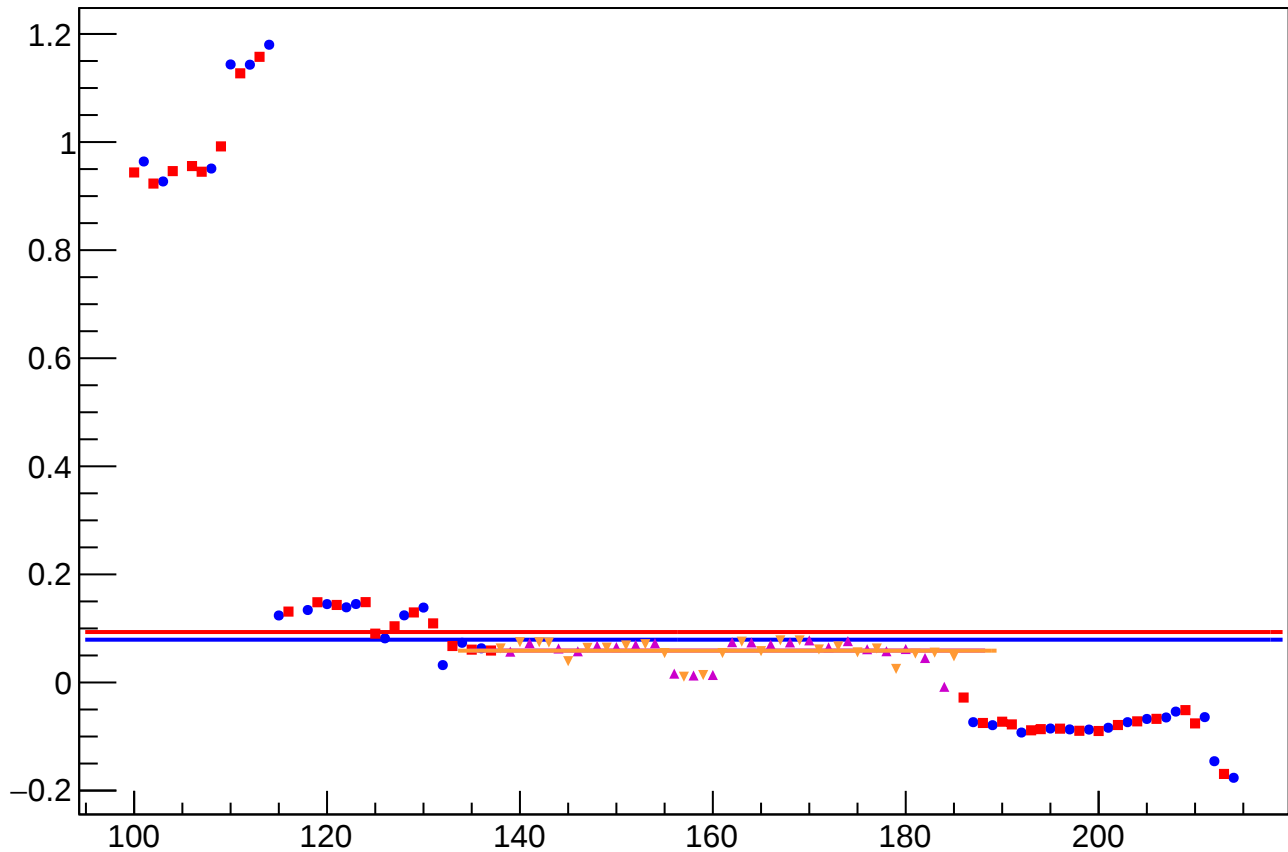
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 10223581.9/55

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 21033237.9/112

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10788778.7/56

yield_bpm4ecY_mean vs Slug



Right In: 0.079 $\pm$ 0.000 χ^2 /NDF: 8485216066.9/30

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:46821236.8/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 9346745732.7/33

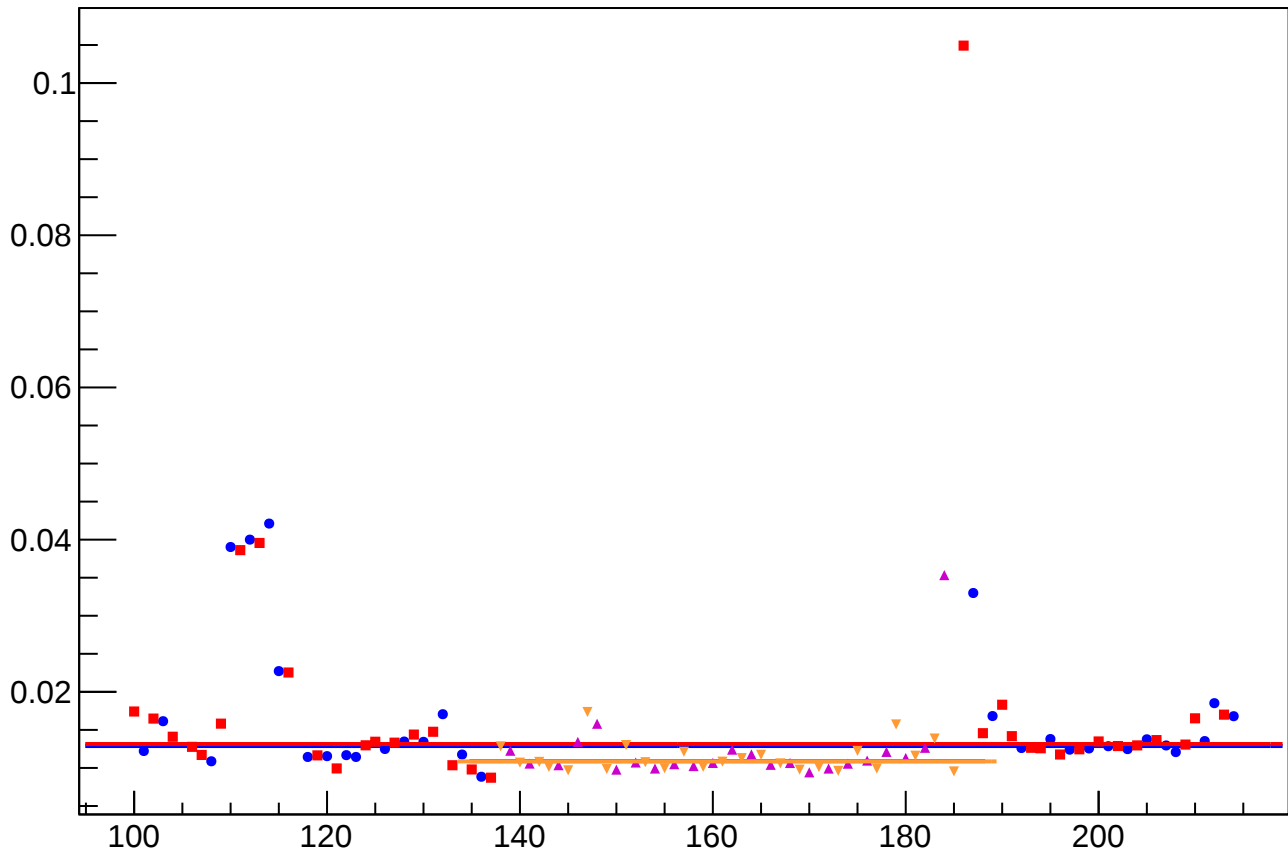
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF:58518655.0/22

+ sign 0.067 $\pm$ 0.000 χ^2 /NDF: 8555004789.4/55

All: 0.070 $\pm$ 0.000 χ^2 /NDF: 18027084713.2/1

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 9468113408.1/56

yield_bpm4ecY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1721911.7/30

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:604787.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2036025.8/33

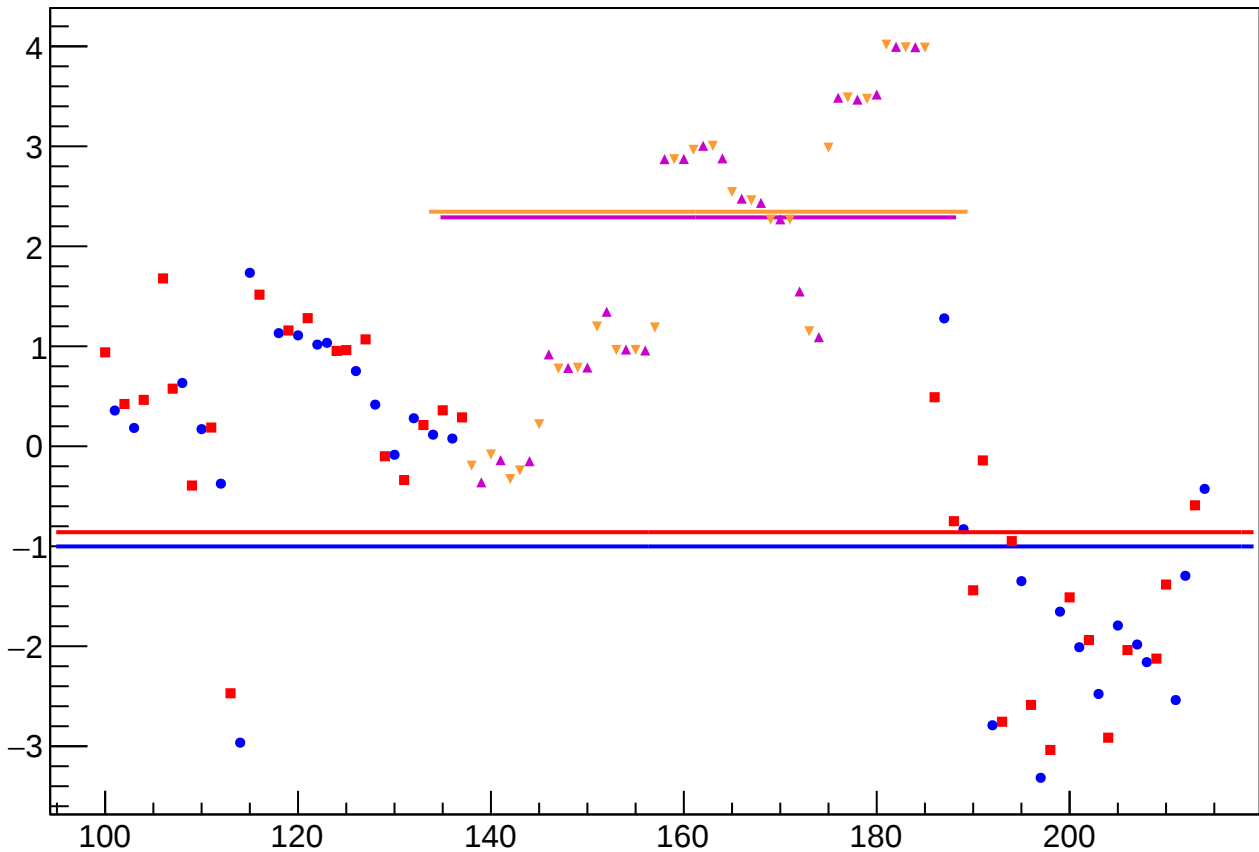
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:530077.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2780048.5/55

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5894637.6/112

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3110202.1/56

yield_bpm1X_mean vs Slug



Right In: -1.002 ± 0.000 χ^2/NDF : 7759525161.8/30

Left Out: 2.346 ± 0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.859 ± 0.000 χ^2/NDF : 8182386545.8/33

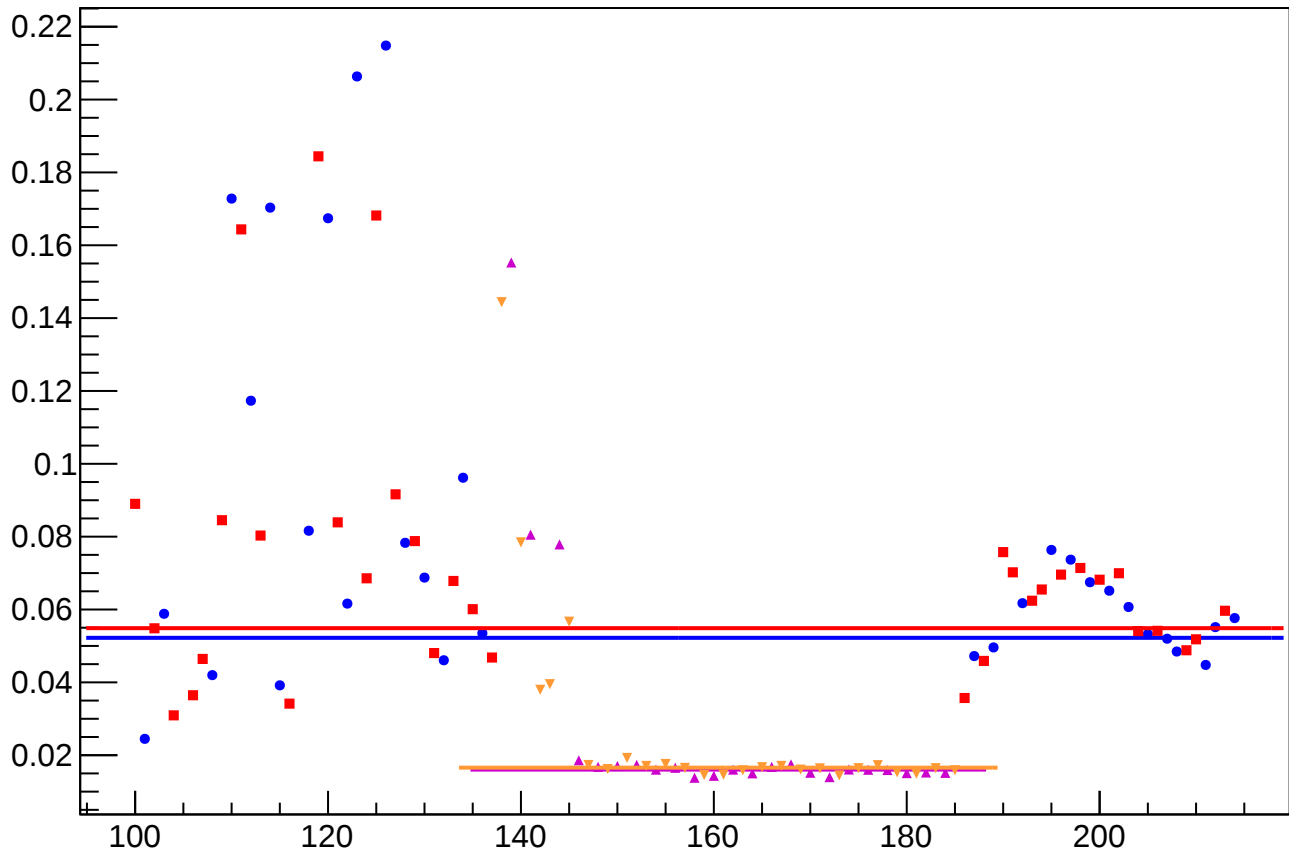
Left In: 2.290 ± 0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.066 ± 0.000 χ^2/NDF : 118936666543.1/55

All: 2.053 ± 0.000 χ^2/NDF : 228609718781.8

- sign 2.041 ± 0.000 χ^2/NDF : 109654923610.8/56

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3564965.2/30

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2873225.3/33

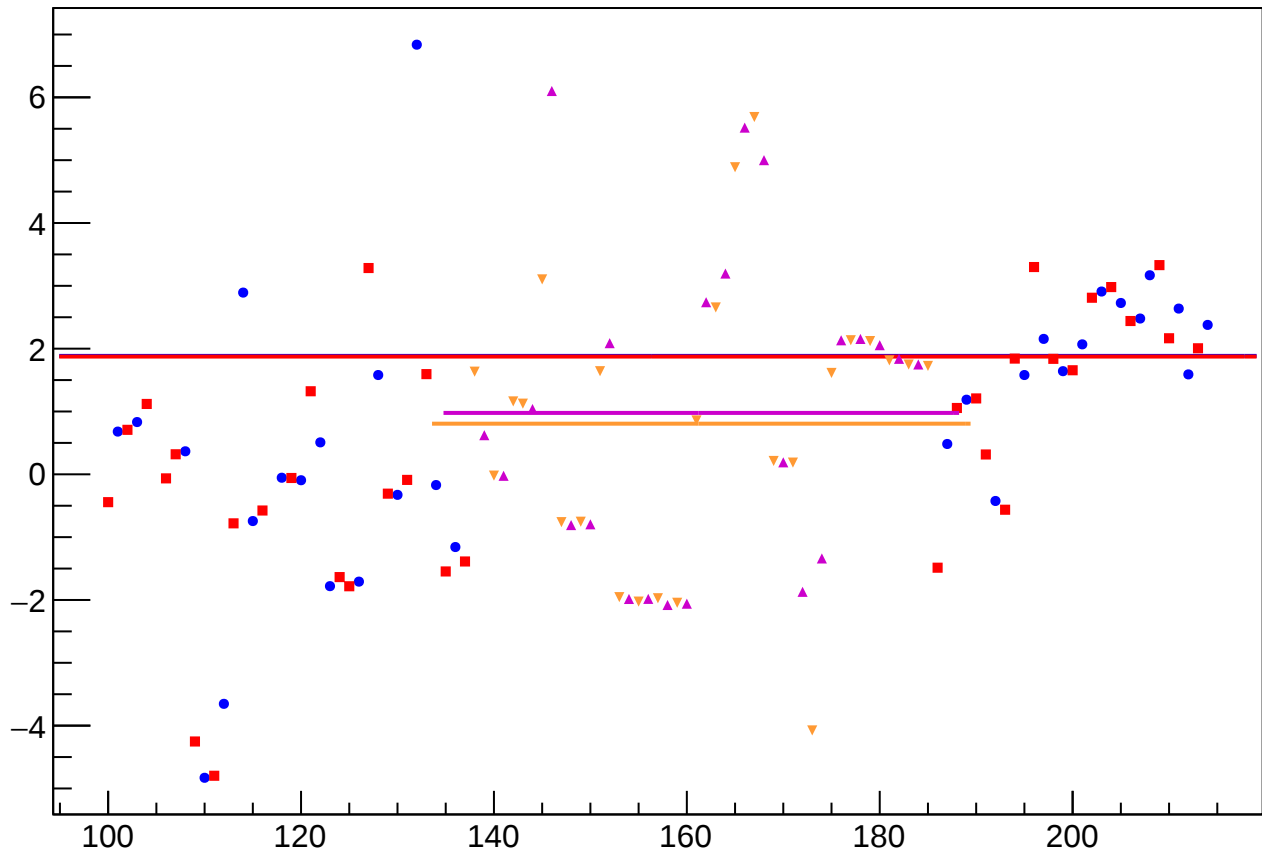
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 16996862.9/55

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 34623333.6/112

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 17615221.2/56

yield_bpm1Y_mean vs Slug



Right In: 1.885 $\pm$ 0.000 χ^2 /NDF: 38996683499.0/30

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF: 507578952196.2/24

Right Out: 1.874 $\pm$ 0.000 χ^2 /NDF: 39605561258.6/33

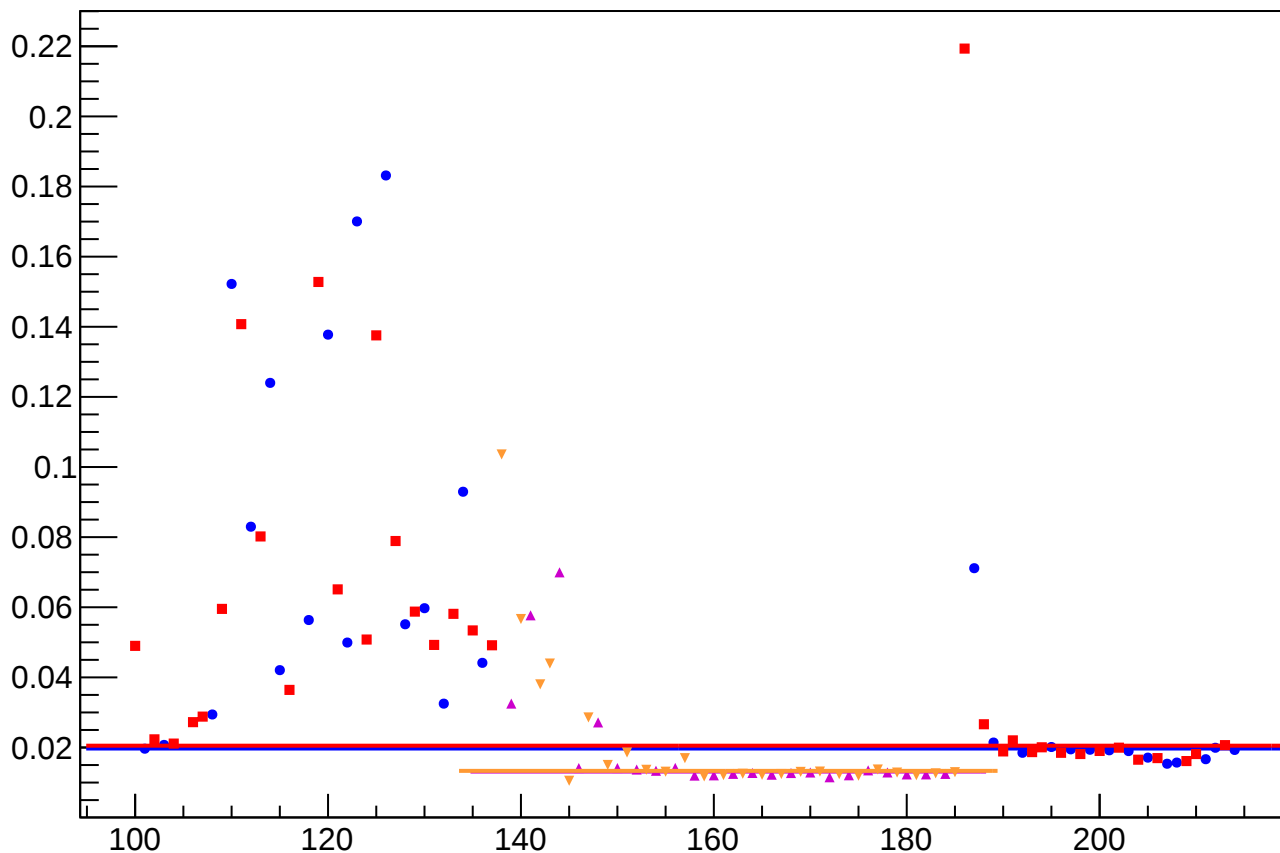
Left In: 0.977 $\pm$ 0.000 χ^2 /NDF: 568209676597.4/22

+ sign 1.084 $\pm$ 0.000 χ^2 /NDF: 572065719190.8/55

All: 1.141 $\pm$ 0.000 χ^2 /NDF: 1197428143747.

- sign 1.198 $\pm$ 0.000 χ^2 /NDF: 624632634094.4/56

yield_bpm1Y_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 4196812.9/30

Left Out: 0.013+/-0.000 χ^2/NDF :2829753.9/24

Right Out: 0.021+/-0.000 χ^2/NDF : 5167049.8/33

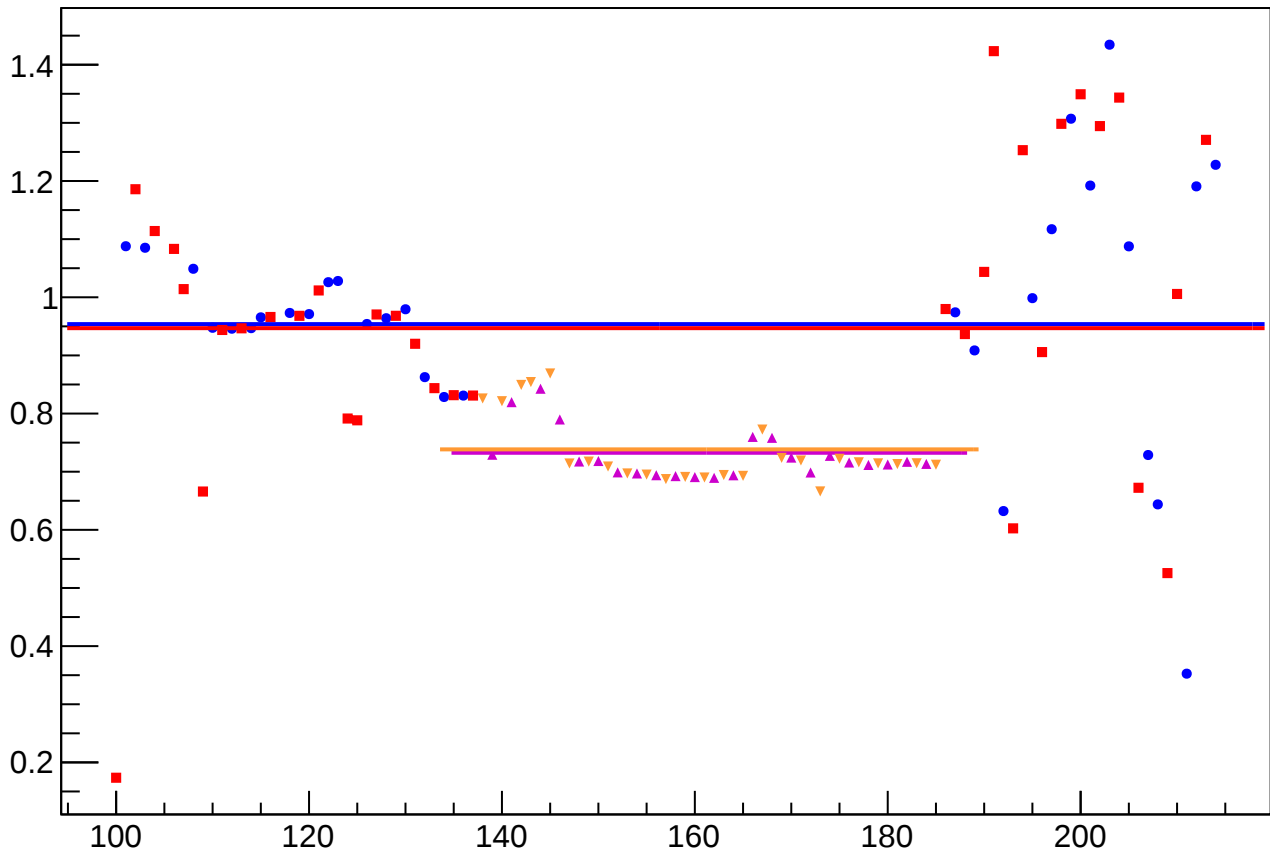
Left In: 0.013+/-0.000 χ^2/NDF :1946693.6/22

+ sign 0.015+/-0.000 χ^2/NDF : 8805270.9/55

All: 0.015+/-0.000 χ^2/NDF : 18197540.6/112

- sign 0.015+/-0.000 χ^2/NDF : 9392152.2/56

yield_bpm11X_mean vs Slug



Right In: 0.954 $\pm$ 0.000 χ^2 /NDF: 969114154.8/30

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310195180.4/24

+ sign 0.806 $\pm$ 0.000 χ^2 /NDF: 2542407578.8/55

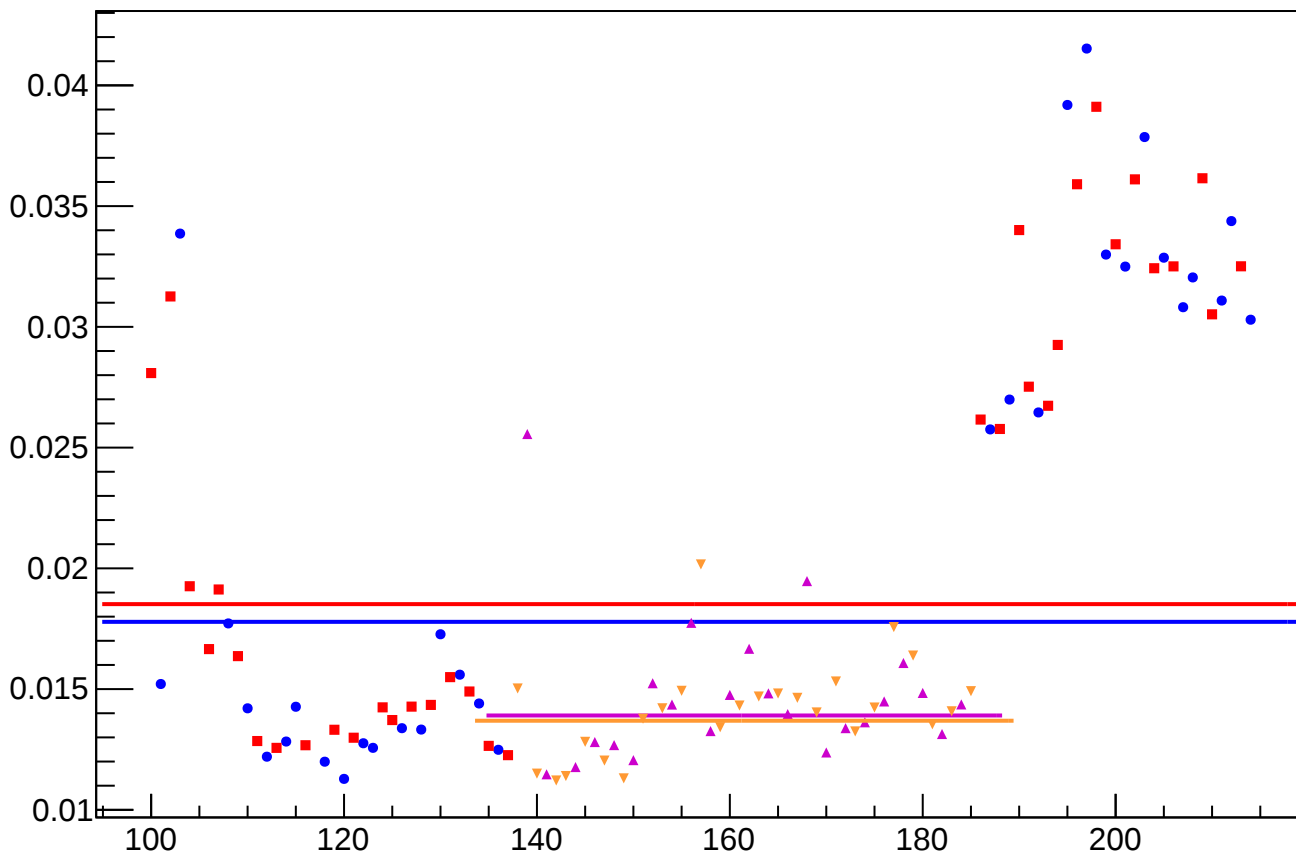
Right Out: 0.947 $\pm$ 0.000 χ^2 /NDF: 1201270257.7/33

All: 0.805 $\pm$ 0.000 χ^2 /NDF: 5115615388.1/11

- sign 0.803 $\pm$ 0.000 χ^2 /NDF: 2572431814.8/56

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF: 170102394.7/22

yield_bpm11X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF : 5398725.9/30

Left Out: 0.014+/-0.000 χ^2/NDF : 528480.6/24

Right Out: 0.019+/-0.000 χ^2/NDF : 4789479.3/33

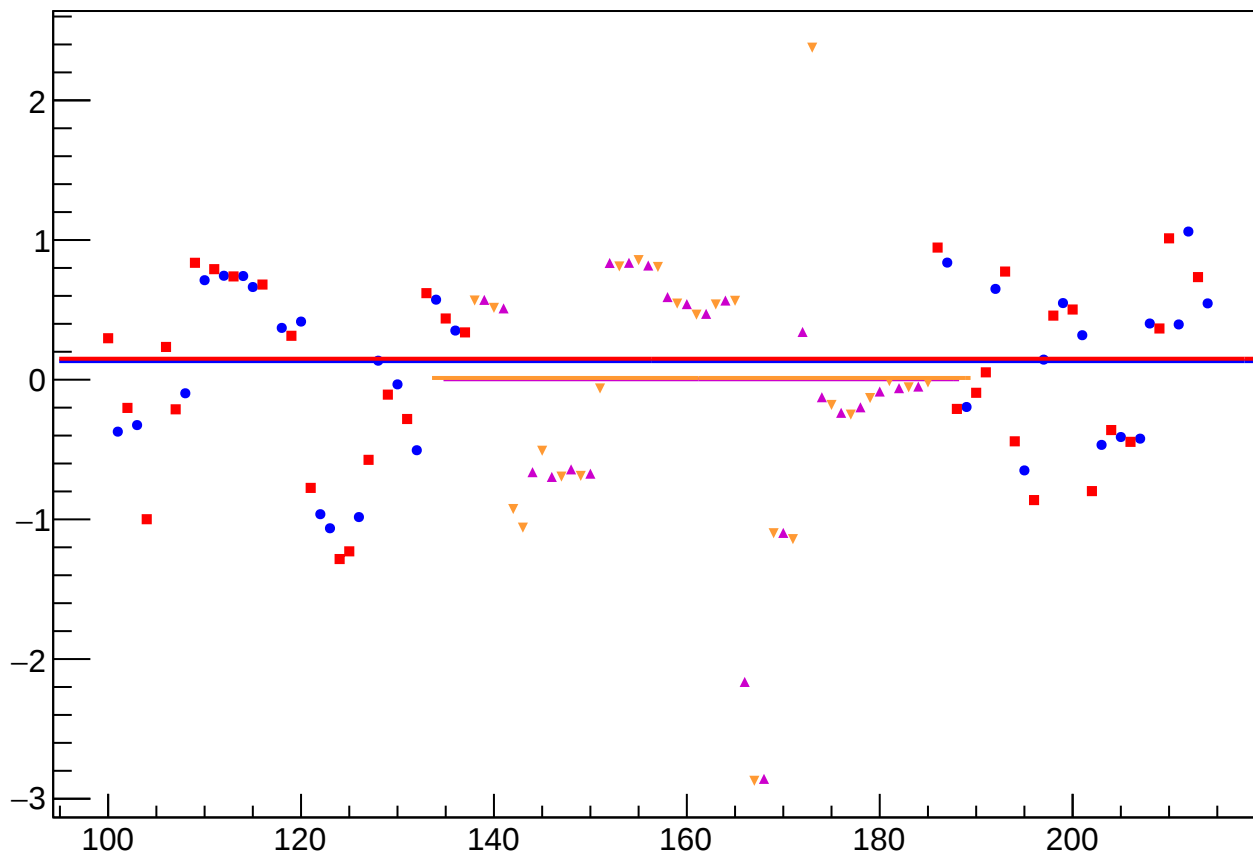
Left In: 0.014+/-0.000 χ^2/NDF : 768161.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 6839754.8/55

All: 0.015+/-0.000 χ^2/NDF : 13532699.5/112

- sign 0.015+/-0.000 χ^2/NDF : 6669655.3/56

yield_bpm11Y_mean vs Slug



Right In: 0.133+/-0.000 χ^2/NDF : 29674965046.0/30

Left Out: 0.012+/-0.000 χ^2/NDF : 96383858927.1/24

Right Out: 0.150+/-0.000 χ^2/NDF : 40764385031.3/33

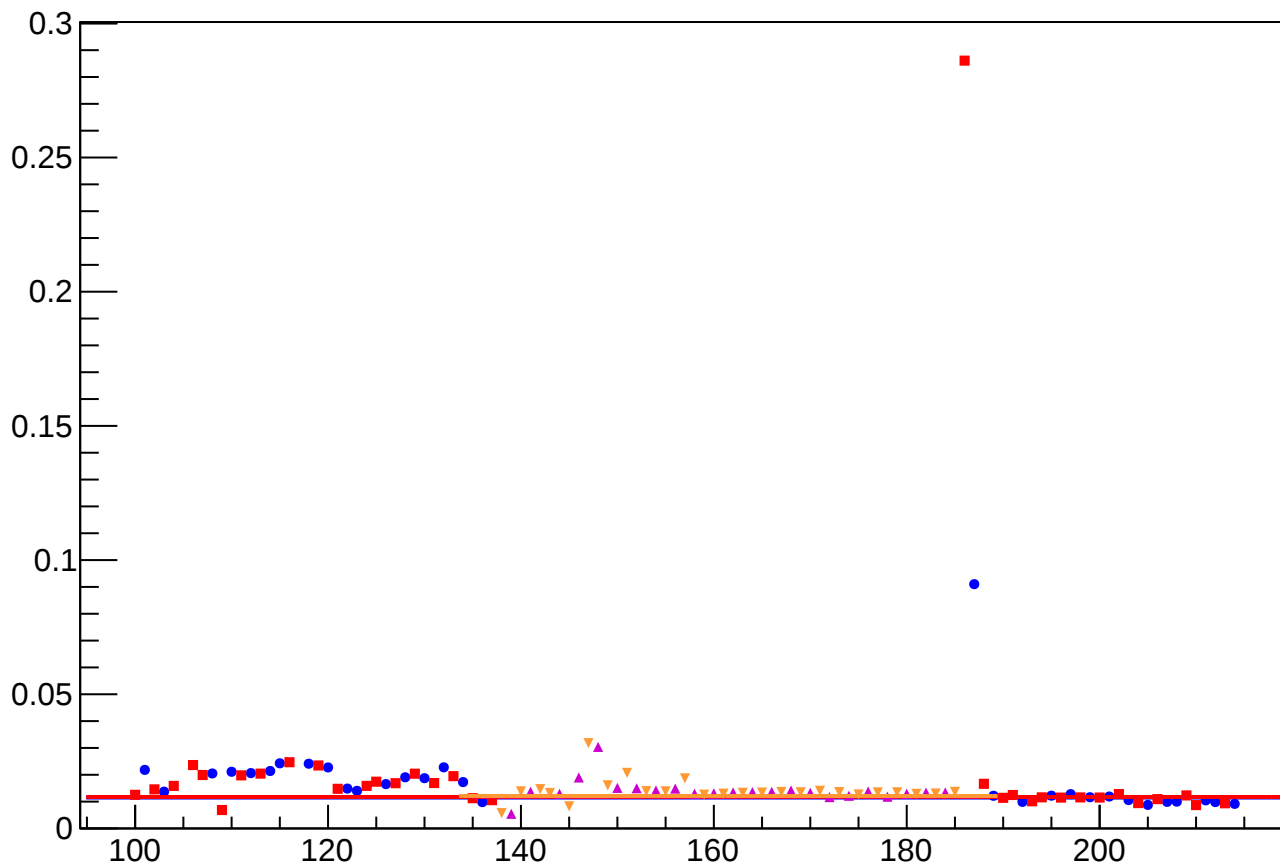
Left In: 0.003+/-0.000 χ^2/NDF : 78826489573.0/22

+ sign 0.071+/-0.000 χ^2/NDF : 126835538869.4/55

All: 0.073+/-0.000 χ^2/NDF : 247542416223.0

- sign 0.076+/-0.000 χ^2/NDF : 120704919169.8/56

yield_bpm11Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2537422.6/30

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 2968421.2/33

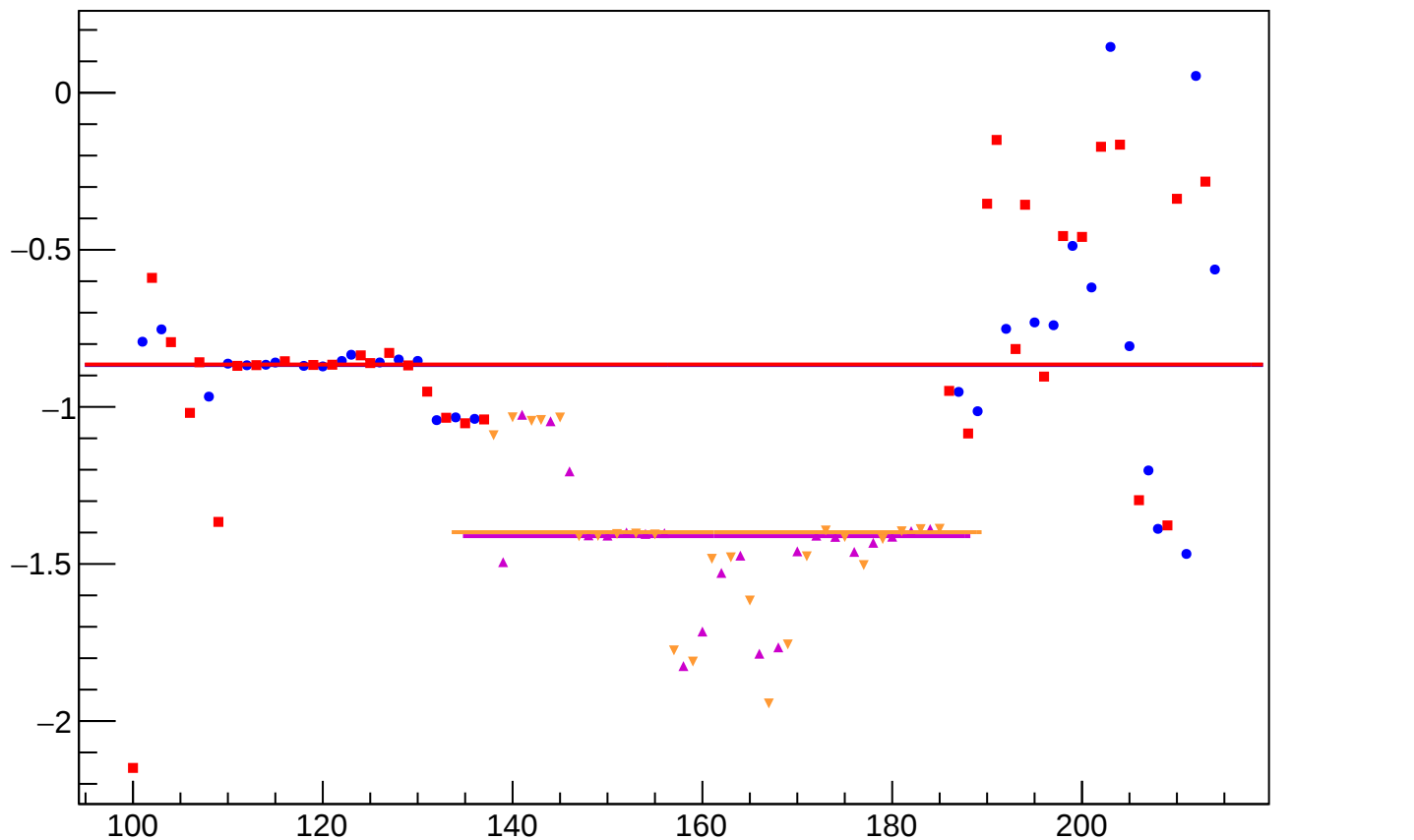
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5678905.7/55

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11659044.3/112

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5979813.8/56

yield_bpm12X_mean vs Slug



Right In: -0.867 ± 0.000 χ^2/NDF : 350728616.1/30

Left Out: -1.399 ± 0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.865 ± 0.000 χ^2/NDF : 482626288.6/33

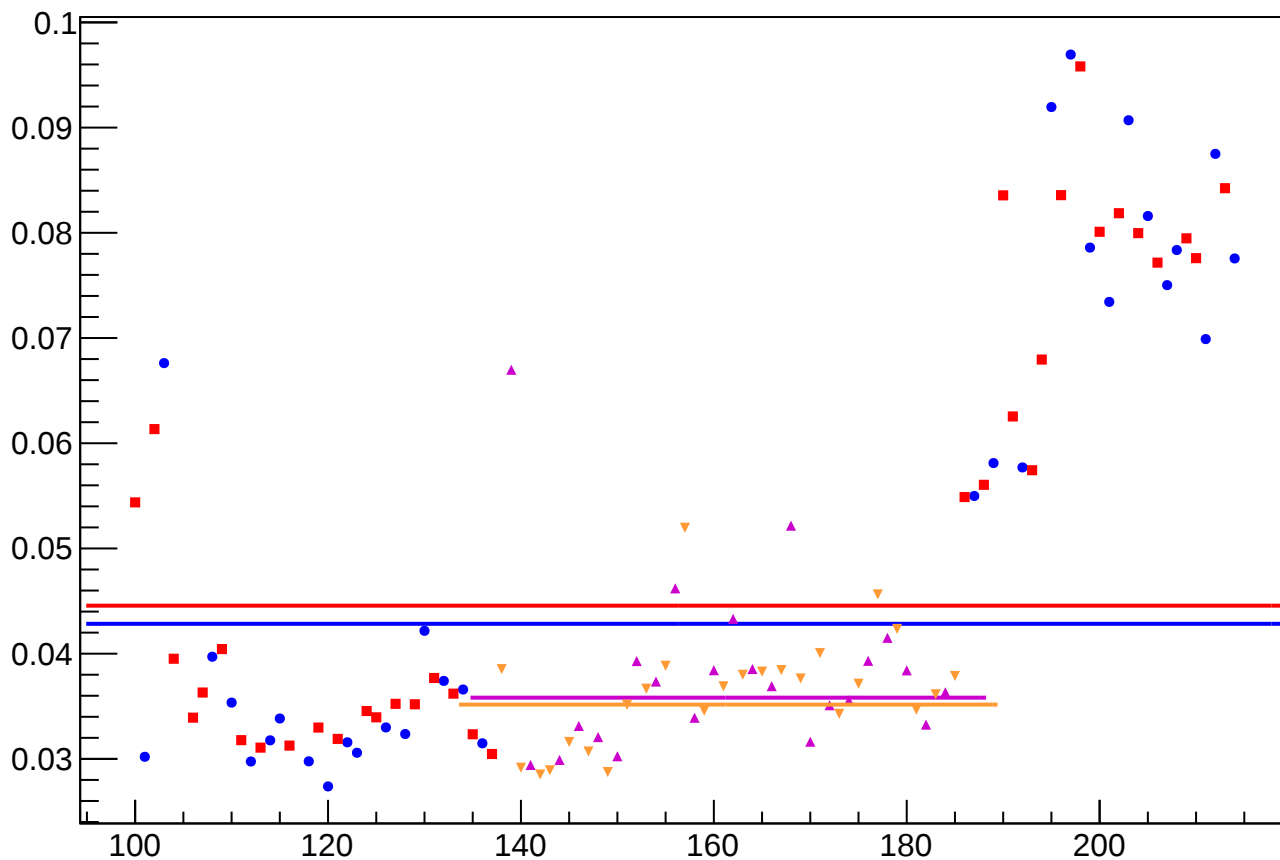
Left In: -1.411 ± 0.000 χ^2/NDF : 512547995.0/22

+ sign -1.212 ± 0.000 χ^2/NDF : 2376986030.7/55

All: -1.212 ± 0.000 χ^2/NDF : 4670079967.5/1

- sign -1.212 ± 0.000 χ^2/NDF : 2293093466.1/56

yield_bpm12X_rms vs Slug



Right In: 0.043 $\pm$ 0.000 χ^2 /NDF: 5180147.9/30

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:595219.5/24

Right Out: 0.045 $\pm$ 0.000 χ^2 /NDF: 4353937.8/33

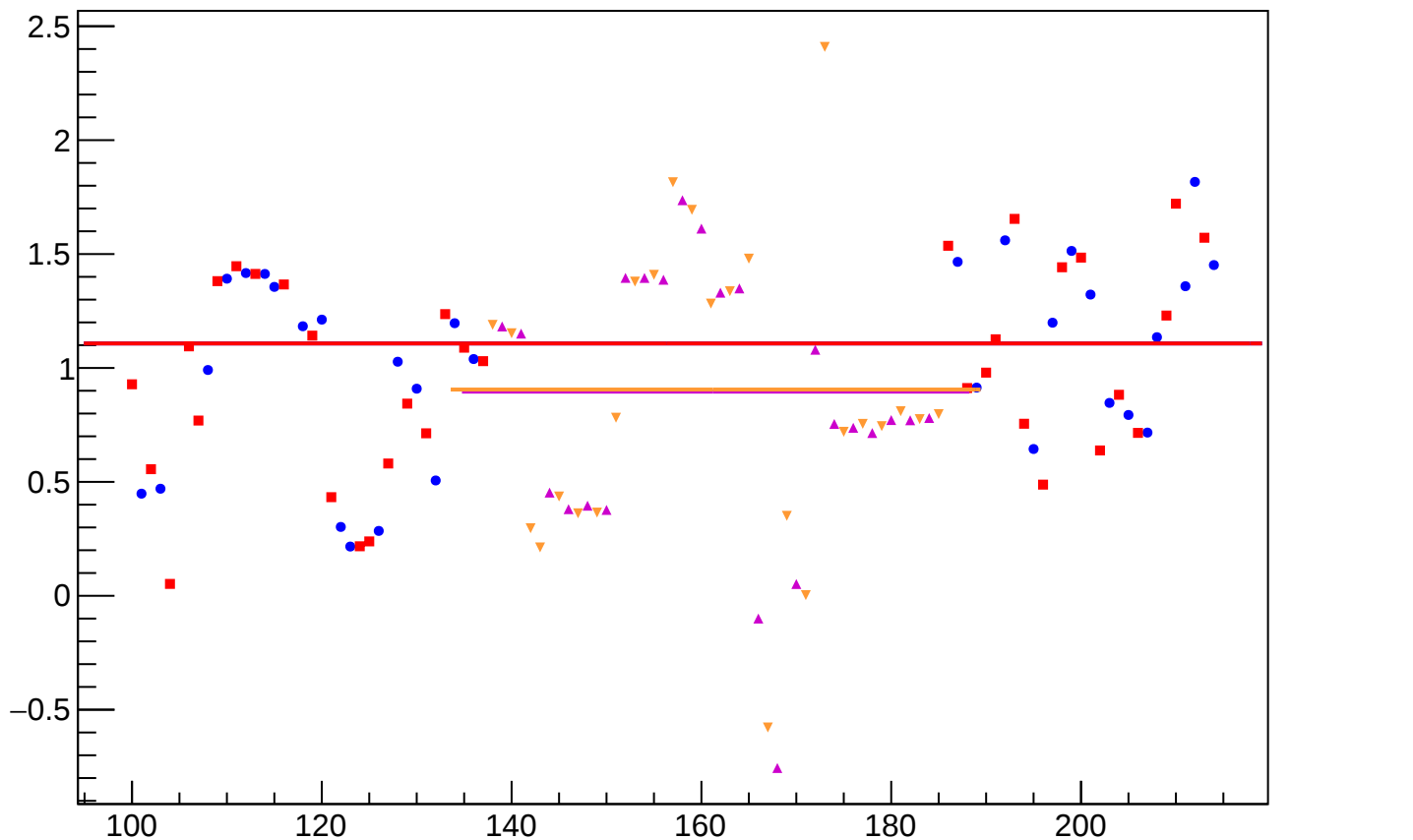
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:864147.6/22

+ sign 0.038 $\pm$ 0.000 χ^2 /NDF: 6311538.8/55

All: 0.038 $\pm$ 0.000 χ^2 /NDF: 12220227.4/112

- sign 0.039 $\pm$ 0.000 χ^2 /NDF: 5882729.7/56

yield_bpm12Y_mean vs Slug



Right In: 1.108 $\pm$ 0.000 χ^2 /NDF: 40088789941.1/30

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 1.108 $\pm$ 0.000 χ^2 /NDF: 43647471236.9/33

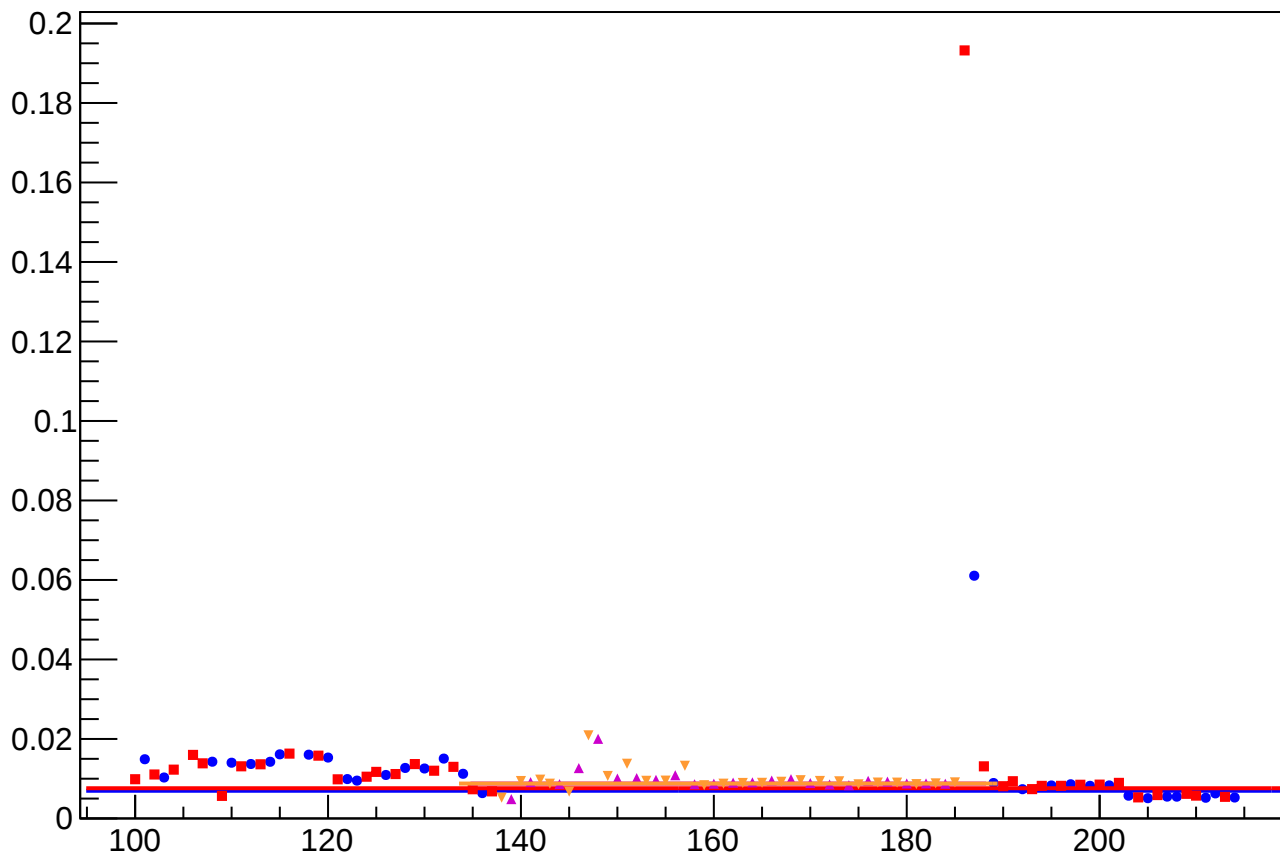
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 1.020 $\pm$ 0.000 χ^2 /NDF: 129417060059.6/55

All: 1.016 $\pm$ 0.000 χ^2 /NDF: 244649066948.6

- sign 1.011 $\pm$ 0.000 χ^2 /NDF: 115214998150.3/56

yield_bpm12Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 3625793.3/30

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1697568.1/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3680080.7/33

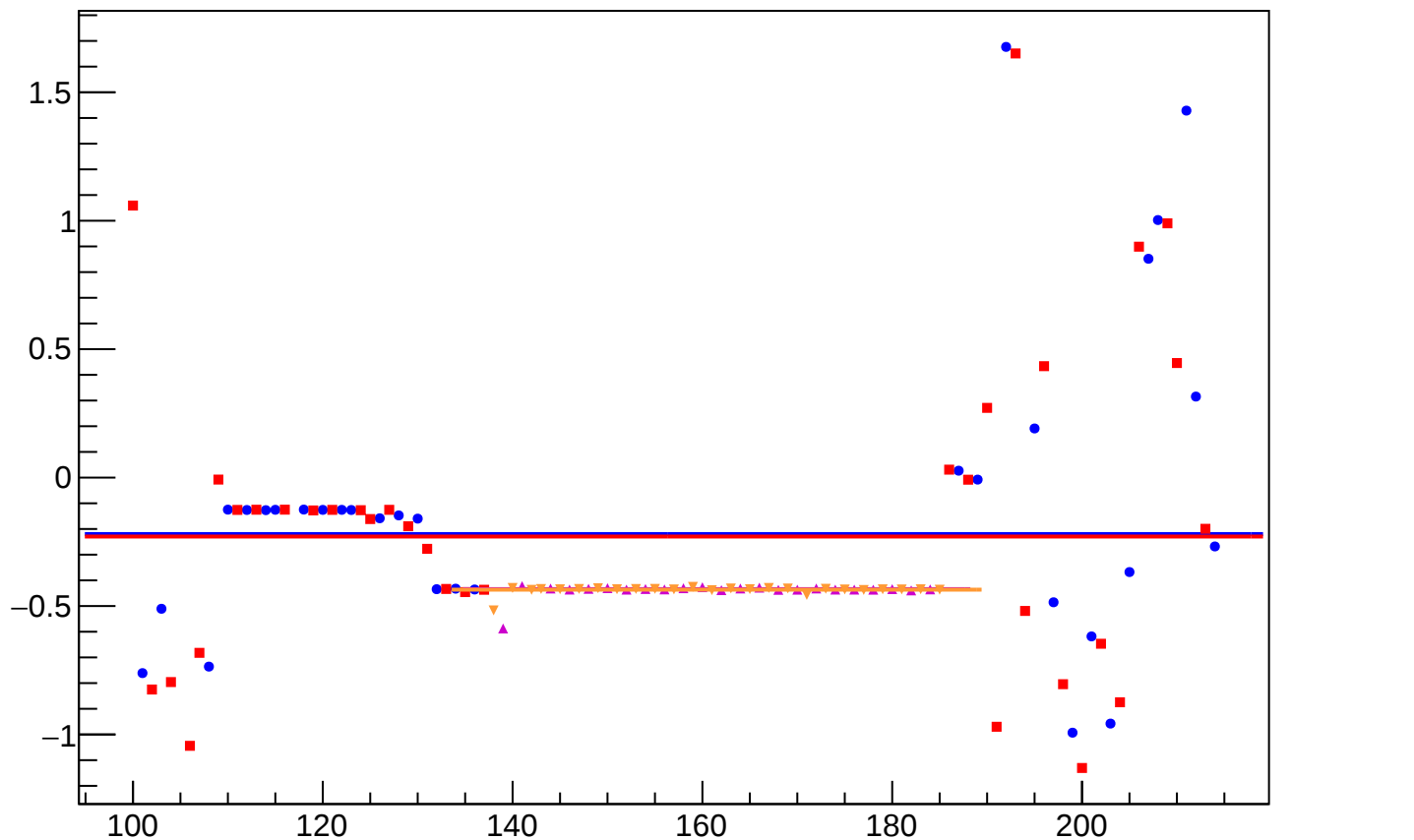
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6132650.9/55

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 11794837.2/112

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 5594238.2/56

yield_bpm16X_mean vs Slug



Right In: -0.220 ± 0.000 χ^2/NDF : 4755113035.2/30

Left Out: -0.436 ± 0.000 χ^2/NDF : 28774660.0/24

Right Out: -0.229 ± 0.000 χ^2/NDF : 3417363082.8/33

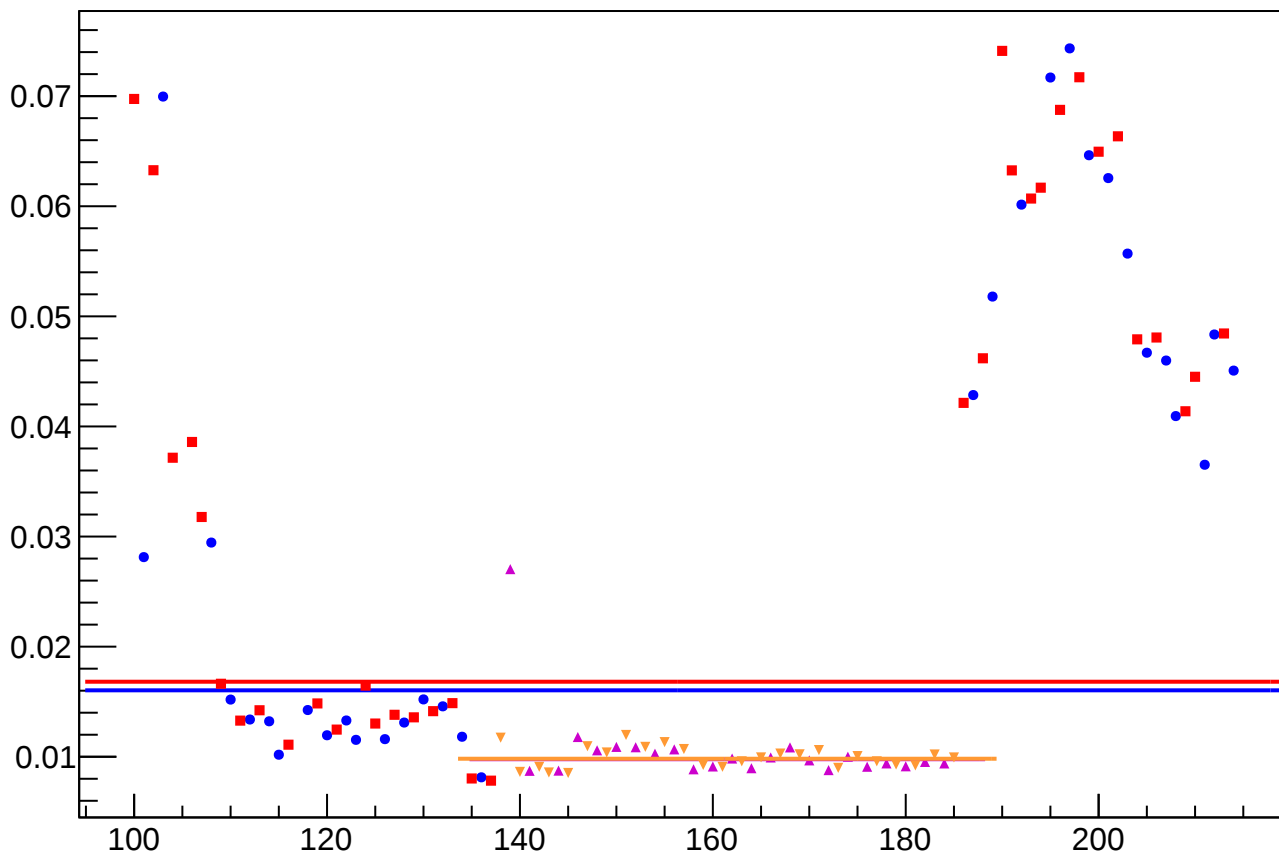
Left In: -0.434 ± 0.000 χ^2/NDF : 23984173.0/22

+ sign -0.397 ± 0.000 χ^2/NDF : 6154080280.3/55

All: -0.397 ± 0.000 χ^2/NDF : 10738411347.8/110

- sign -0.397 ± 0.000 χ^2/NDF : 4584325692.5/56

yield_bpm16X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 11971688.7/30

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:269242.6/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 12266222.1/33

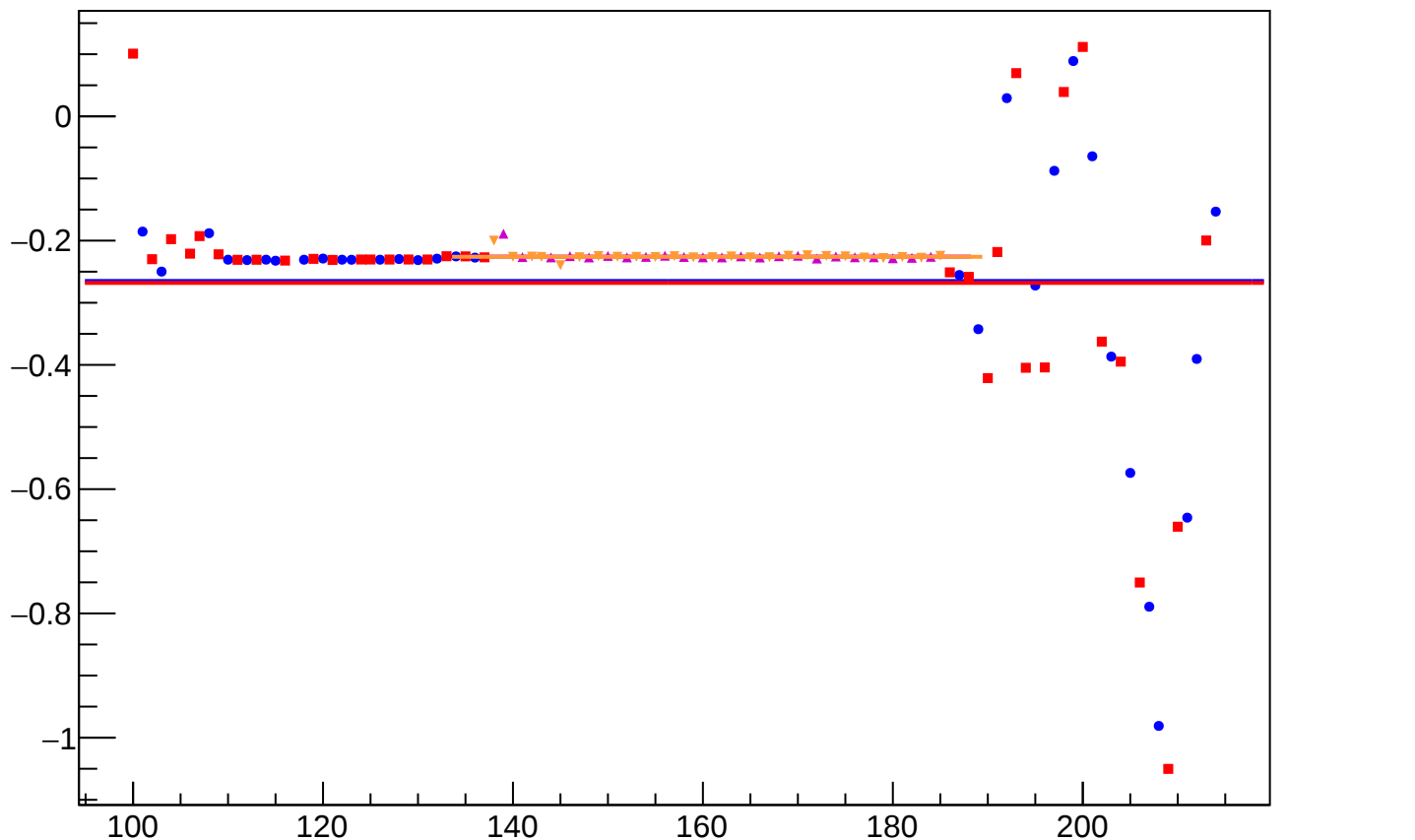
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:747550.0/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 14497662.5/55

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 30217308.9/112

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 15717914.4/56

yield_bpm16Y_mean vs Slug



Right In: -0.265+/-0.000 χ^2/NDF : 24972676531.2/30

Left Out: -0.226+/-0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.268+/-0.000 χ^2/NDF : 25233911908.2/33

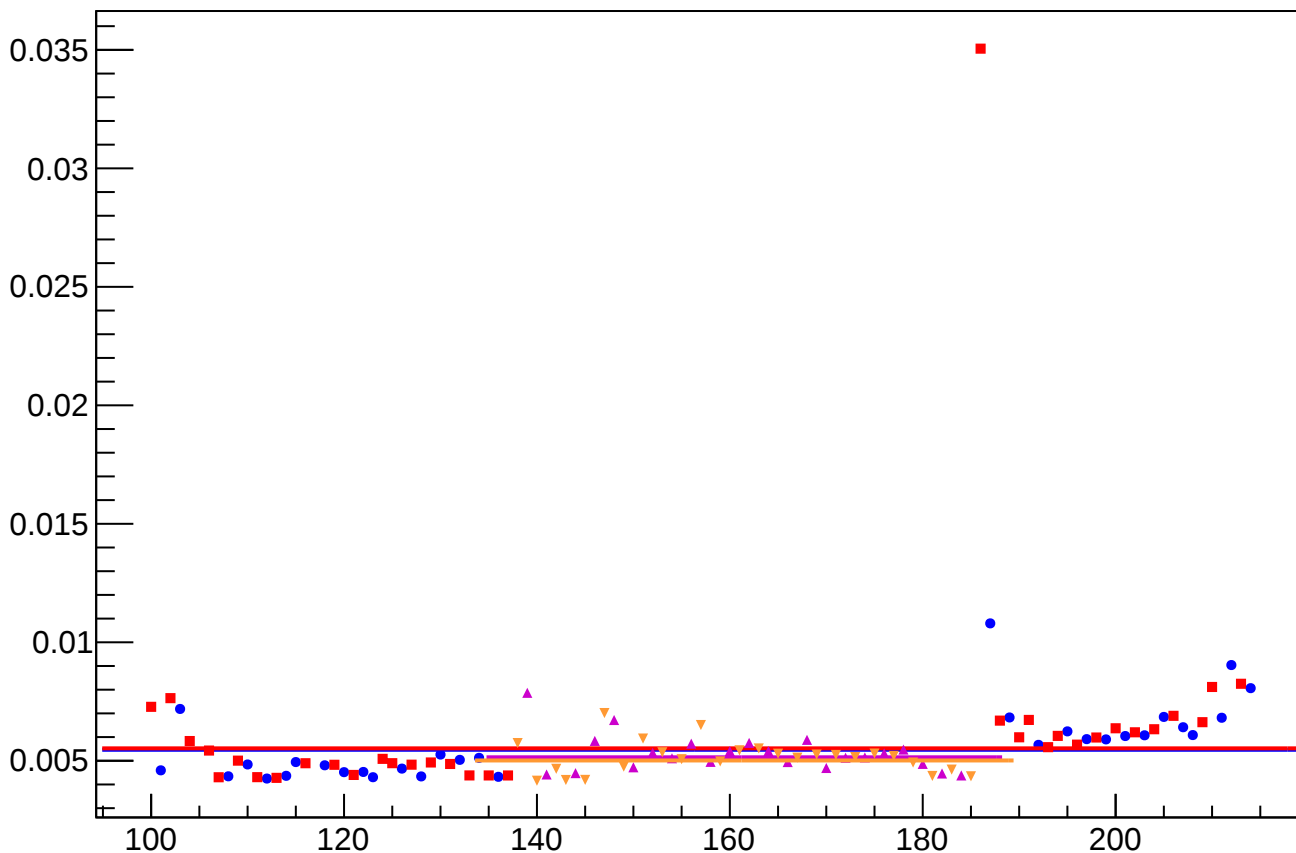
Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

+ sign -0.243+/-0.000 χ^2/NDF : 25433705267.9/55

All: -0.244+/-0.000 χ^2/NDF : 51182897897.3/55

- sign -0.245+/-0.000 χ^2/NDF : 25746130697.1/56

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1232696.2/30

Left Out: 0.005+/-0.000 χ^2/NDF : 530632.6/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1607744.0/33

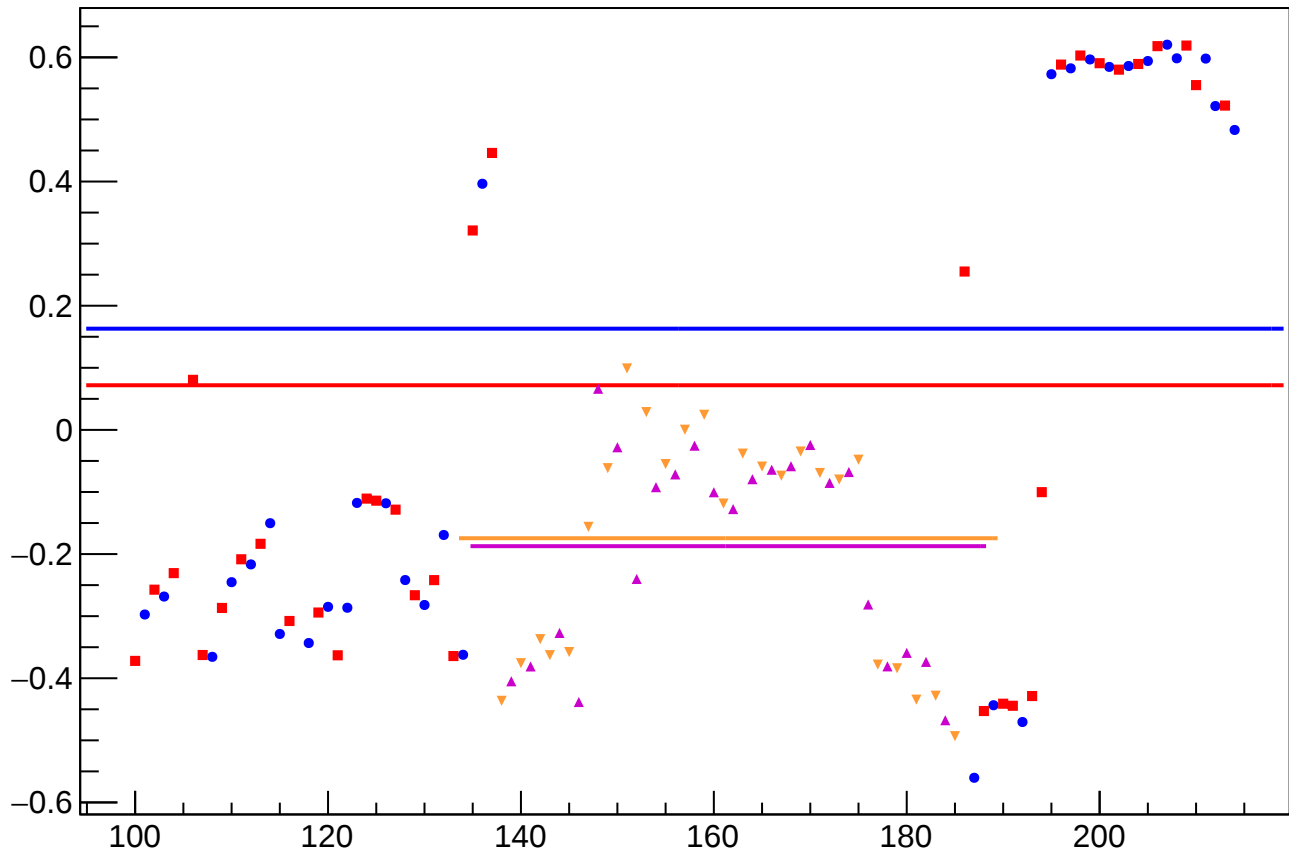
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 1880859.1/55

All: 0.005+/-0.000 χ^2/NDF : 4075464.8/112

- sign 0.005+/-0.000 χ^2/NDF : 2179999.5/56

yield_bpm0i02X_mean vs Slug



Right In: 0.163+/-0.000 χ^2/NDF : 67449623080.5/30

Left Out: -0.174+/-0.000 χ^2/NDF : 18025533236.1/24

Right Out: 0.072+/-0.000 χ^2/NDF : 66224140462.2/33

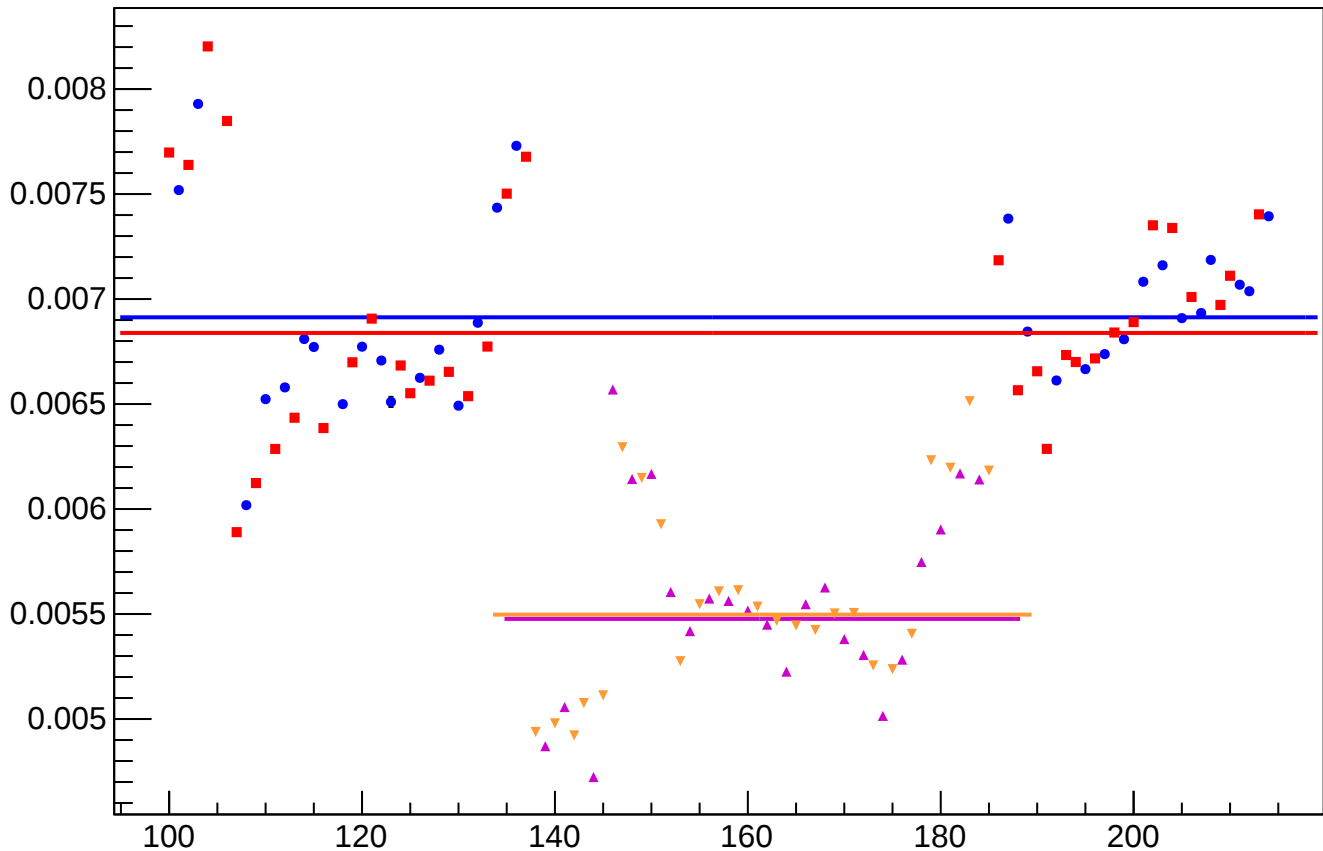
Left In: -0.187+/-0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.048+/-0.000 χ^2/NDF : 110049230436.1/55

All: -0.066+/-0.000 χ^2/NDF : 204284430812.7

- sign -0.084+/-0.000 χ^2/NDF : 93649365606.2/56

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 99834.5/30

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:198746.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 142070.0/33

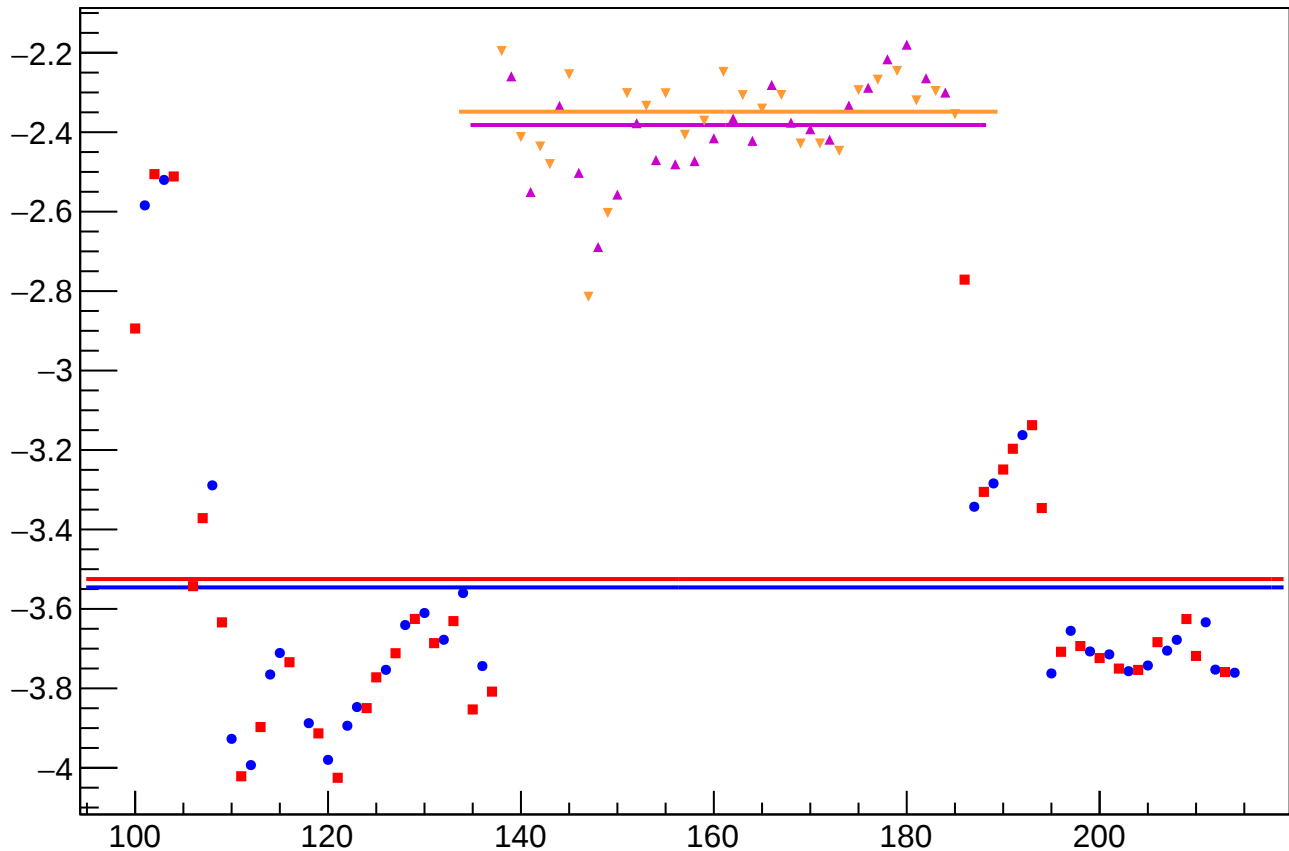
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:202181.4/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1163410.9/55

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 2314447.2/112

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1150980.4/56

yield_bpm0i02Y_mean vs Slug



Right In: -3.546+/-0.000 χ^2/NDF : 30499870529.3/30

Left Out: -2.348+/-0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.525+/-0.000 χ^2/NDF : 31318054954.9/33

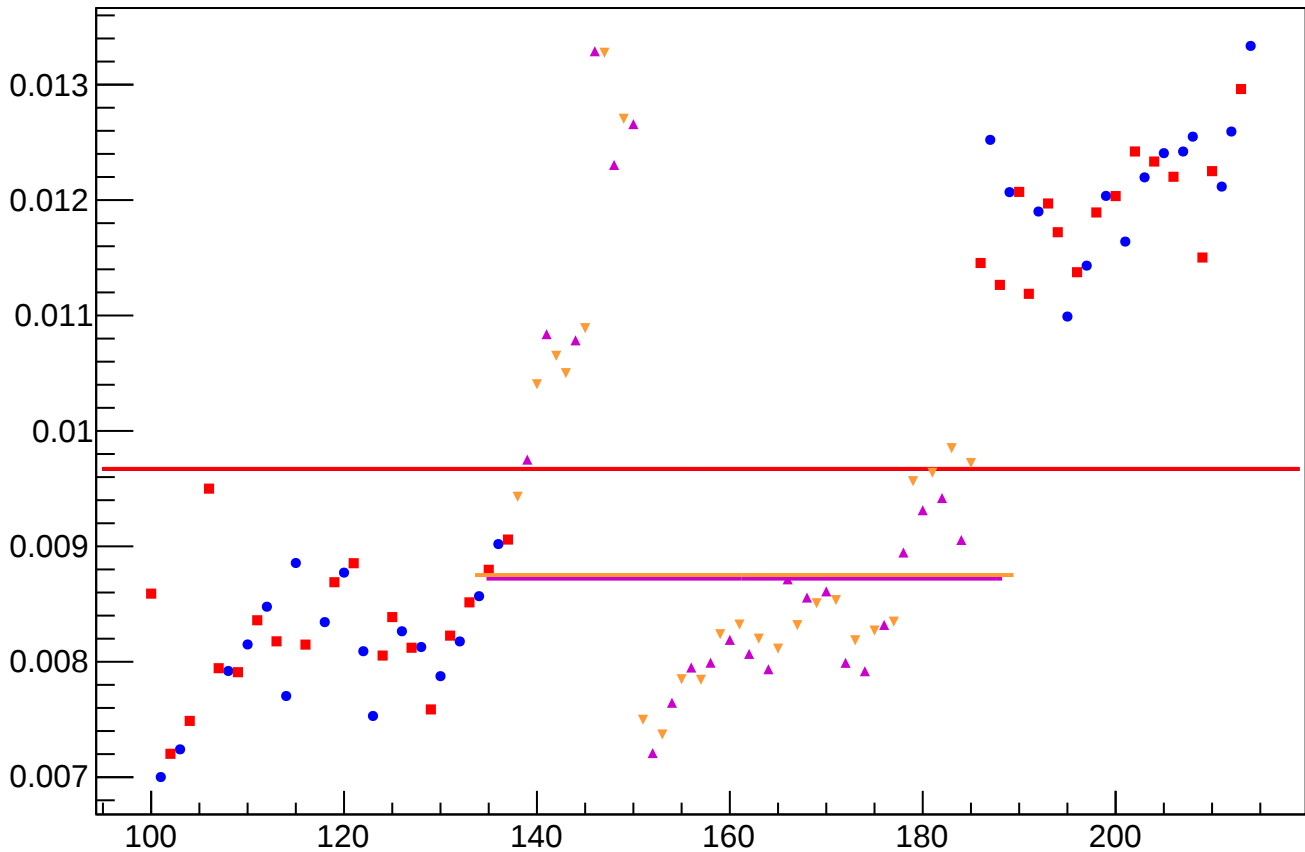
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.860+/-0.000 χ^2/NDF : 170370674523.3/55

All: -2.876+/-0.000 χ^2/NDF : 328993023436.7

- sign -2.894+/-0.000 χ^2/NDF : 158397915806.3/56

yield_bpm0i02Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1421832.5/30

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:663672.8/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1274912.0/33

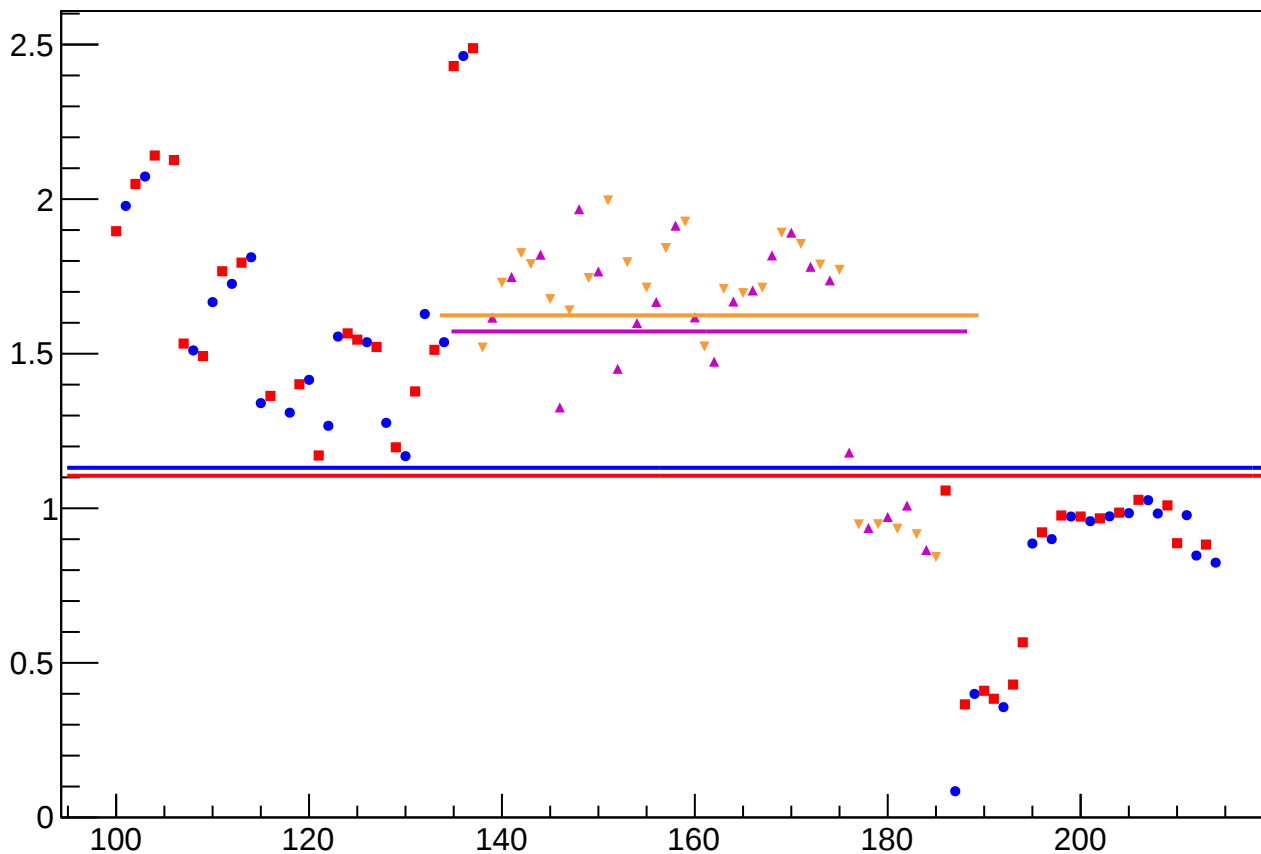
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:747867.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2247618.1/55

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4443034.1/112

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2195413.8/56

yield_bpm0i02aX_mean vs Slug



Right In: 1.131 $\pm$ 0.000 χ^2 /NDF: 28595250629.2/30

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 16631112386.4/24

Right Out: 1.105 $\pm$ 0.000 χ^2 /NDF: 33157275731.4/33

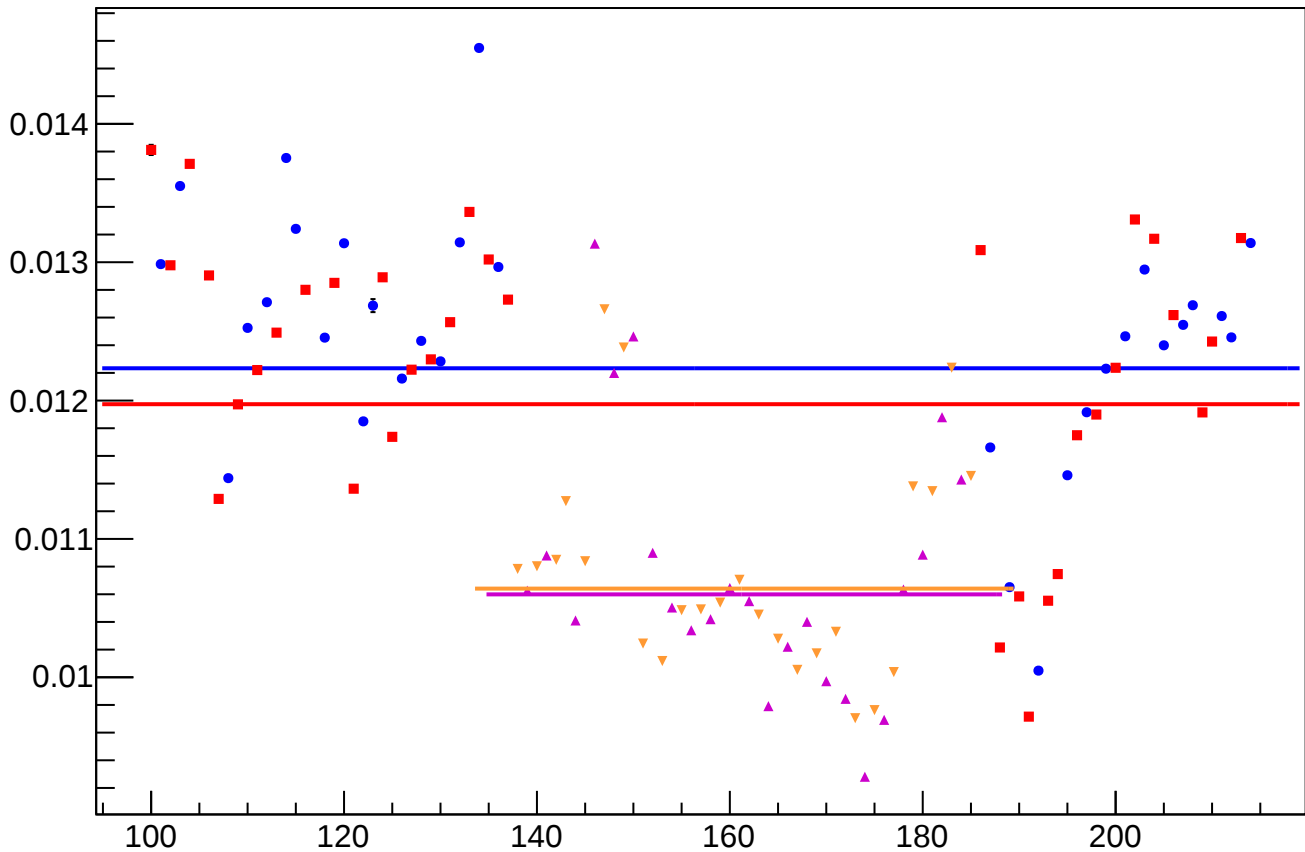
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.421 $\pm$ 0.000 χ^2 /NDF: 60835092450.6/55

All: 1.394 $\pm$ 0.000 χ^2 /NDF: 122832333048.8

- sign 1.366 $\pm$ 0.000 χ^2 /NDF: 61593115942.9/56

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 178978.7/30

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 245510.7/33

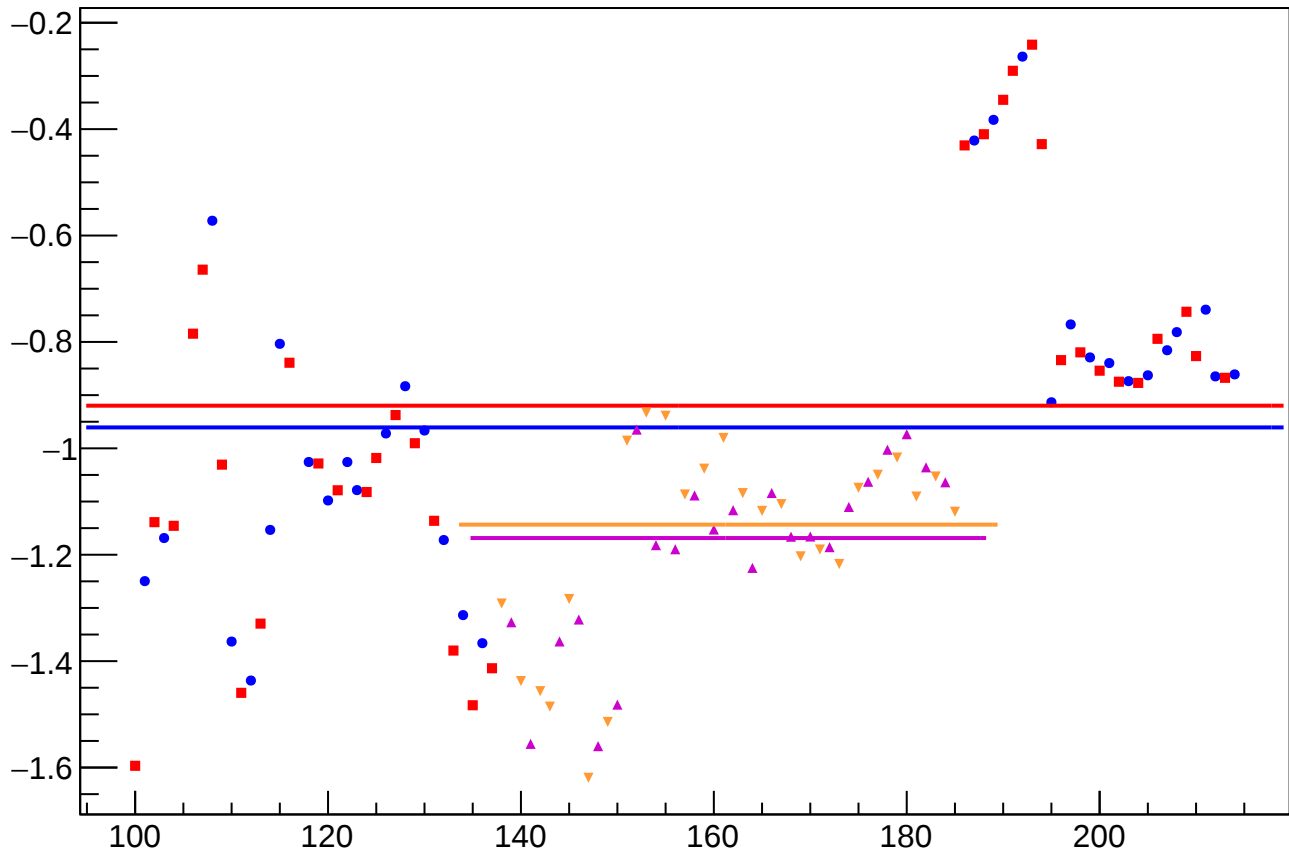
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 664403.7/55

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1363059.8/112

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 696498.0/56

yield_bpm0i02aY_mean vs Slug



Right In: -0.961 ± 0.000 χ^2/NDF : 11469692074.2/30

Left Out: -1.143 ± 0.000 χ^2/NDF : 7976364534.0/24

Right Out: -0.920 ± 0.000 χ^2/NDF : 16091002804.6/33

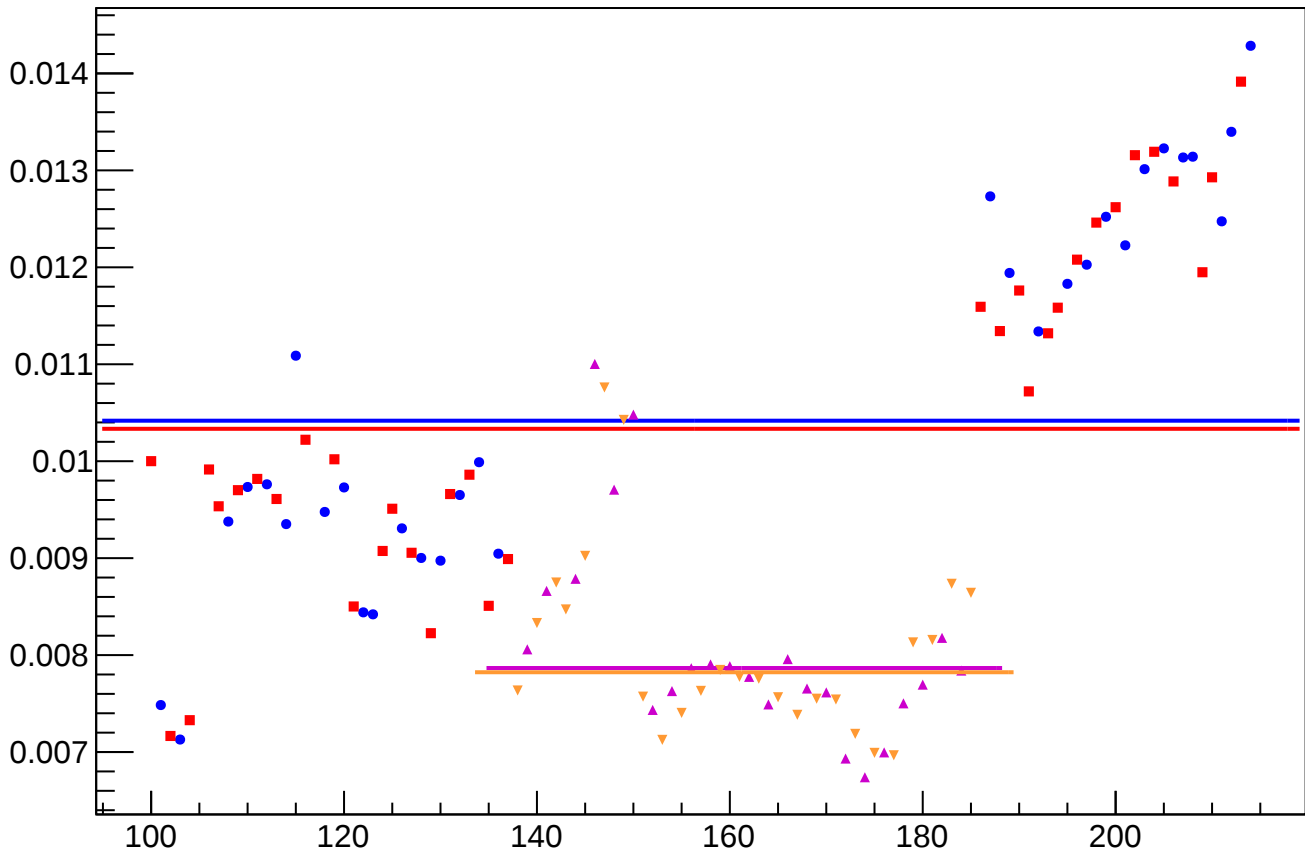
Left In: -1.169 ± 0.000 χ^2/NDF : 6362643368.6/22

+ sign -1.081 ± 0.000 χ^2/NDF : 22619012939.4/55

All: -1.080 ± 0.000 χ^2/NDF : 50998080632.6/100

- sign -1.078 ± 0.000 χ^2/NDF : 28376332833.1/56

yield_bpm0i02aY_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1223368.0/30

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:336387.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1100601.8/33

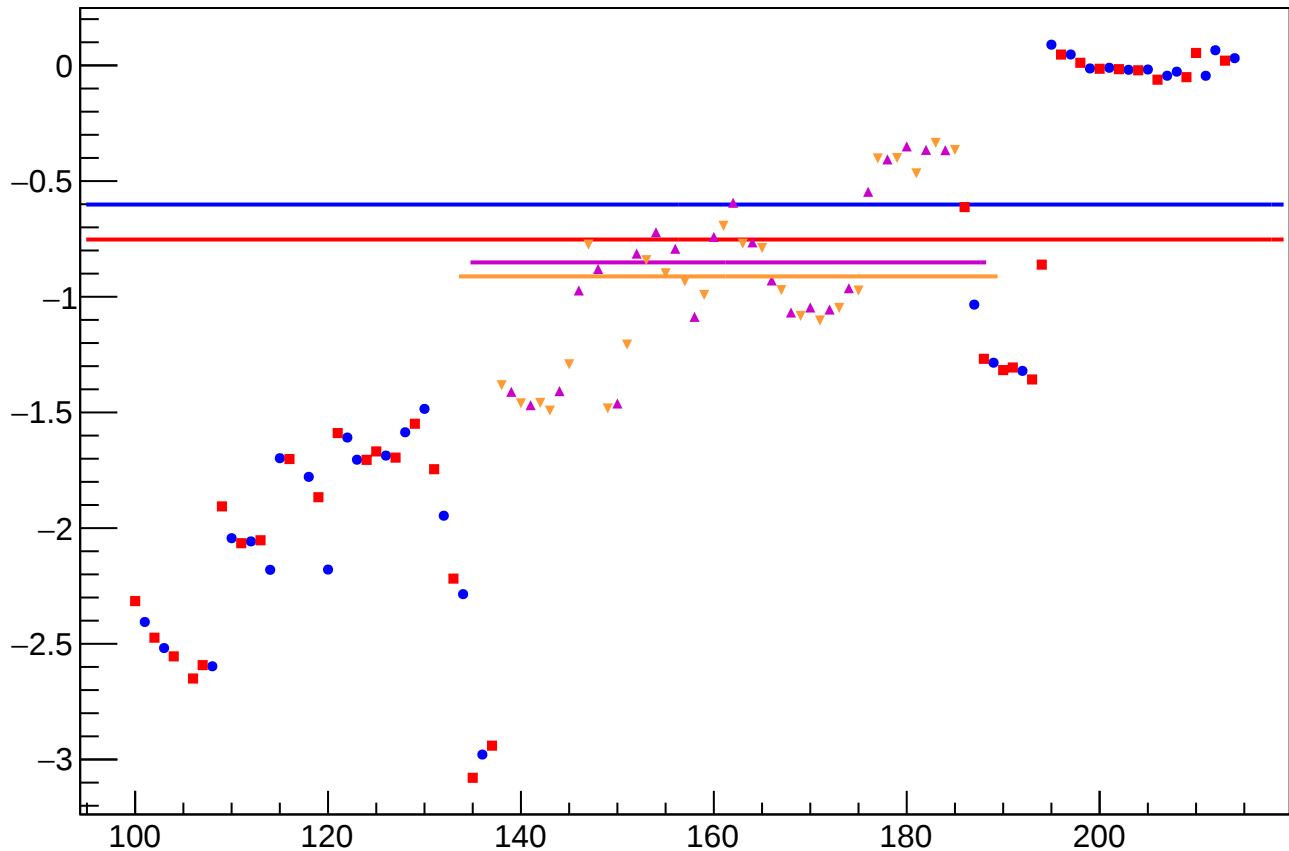
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:379901.3/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2839407.5/55

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 5486840.7/112

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2645729.5/56

yield_bpm0i05X_mean vs Slug



Right In: -0.601 ± 0.000 χ^2/NDF : 397696911805.0/30

Left Out: -0.912 ± 0.000 χ^2/NDF : 49039425818.1/24

Right Out: -0.753 ± 0.000 χ^2/NDF : 420187253668.8/33

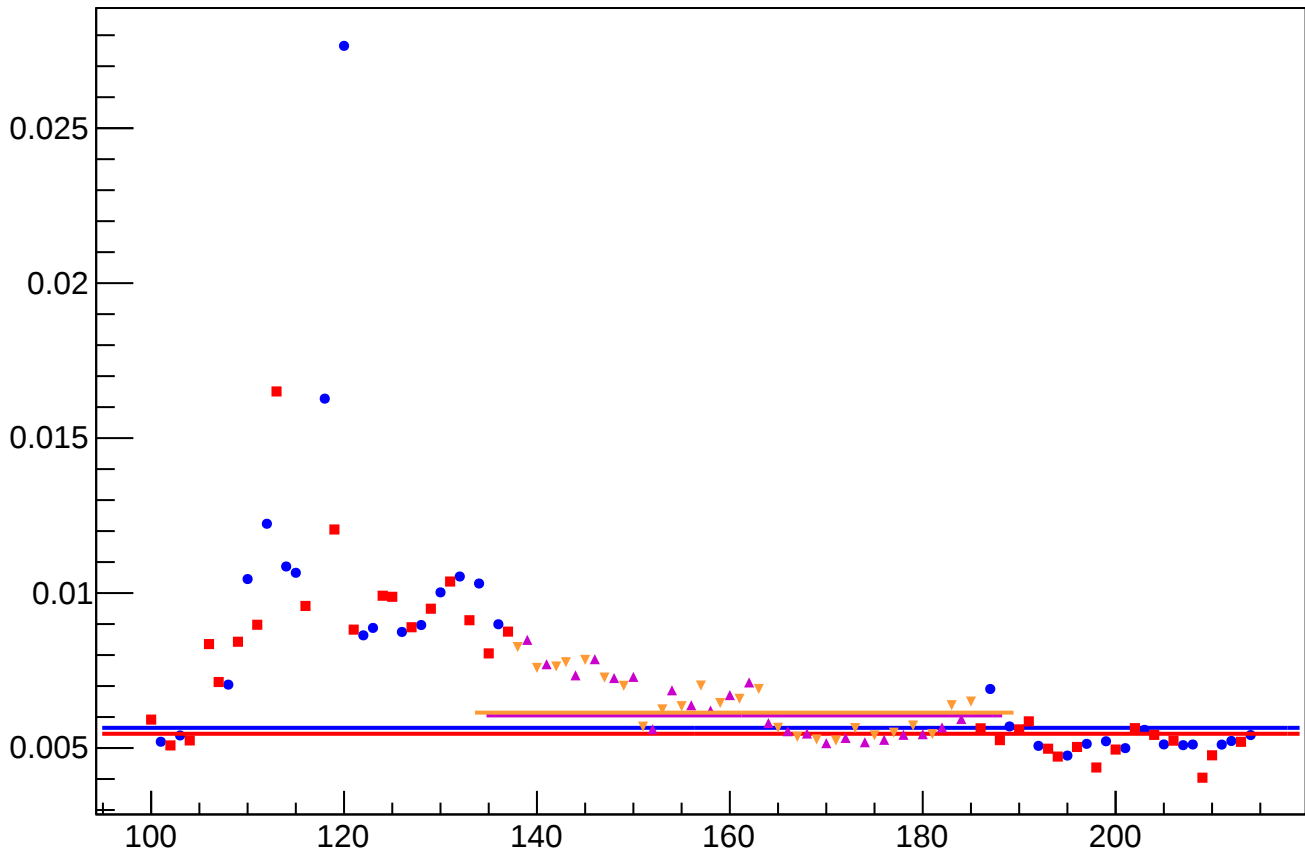
Left In: -0.851 ± 0.000 χ^2/NDF : 46438446008.2/22

+ sign -0.758 ± 0.000 χ^2/NDF : 468003870733.1/55

All: -0.779 ± 0.000 χ^2/NDF : 937632539531.9

- sign -0.799 ± 0.000 χ^2/NDF : 468870048357.7/56

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2059664.6/30

Left Out: 0.006+/-0.000 χ^2/NDF :637765.4/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2130057.0/33

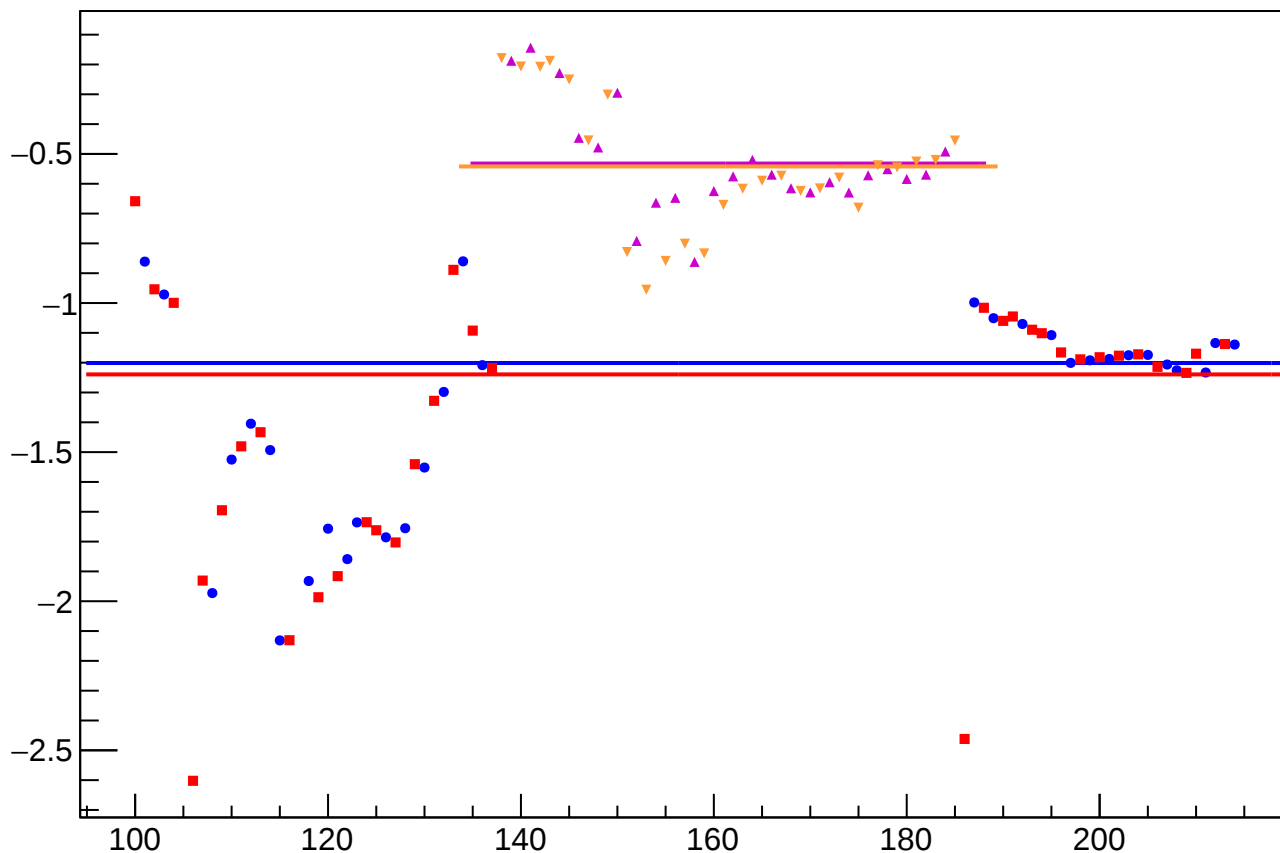
Left In: 0.006+/-0.000 χ^2/NDF :697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2803561.2/55

All: 0.006+/-0.000 χ^2/NDF : 5815180.8/112

- sign 0.006+/-0.000 χ^2/NDF : 2988822.6/56

yield_bpm0i05Y_mean vs Slug



Right In: -1.201+/-0.000 χ^2/NDF : 26731929603.7/30

Left Out: -0.542+/-0.000 χ^2/NDF : 47268284910.3/24

Right Out: -1.239+/-0.000 χ^2/NDF : 79541584147.8/33

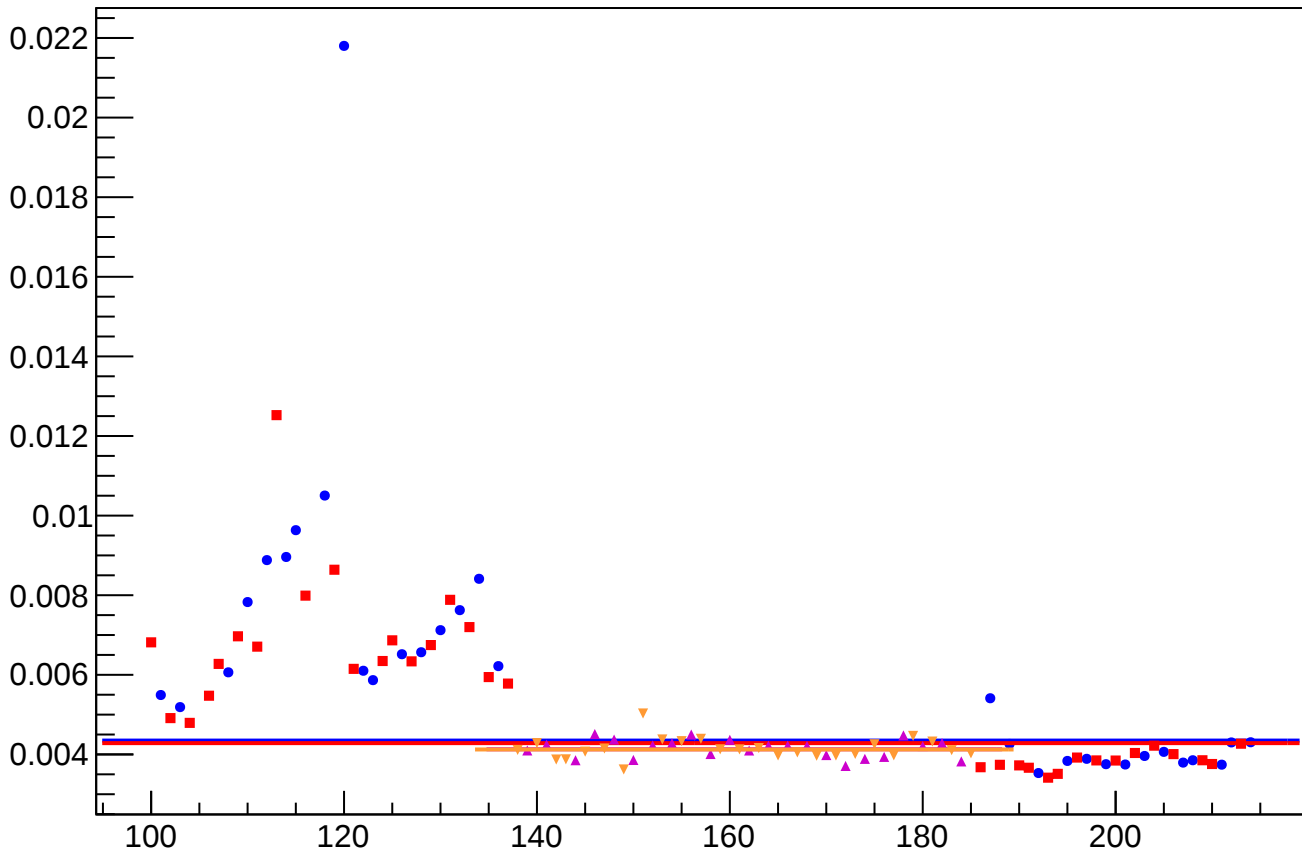
Left In: -0.532+/-0.000 χ^2/NDF : 30715235426.8/22

+ sign -0.822+/-0.000 χ^2/NDF : 257349074270.5/55

All: -0.838+/-0.000 χ^2/NDF : 581893462813.1

- sign -0.854+/-0.000 χ^2/NDF : 323655692588.0/56

yield_bpm0i05Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2069804.5/30

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:113033.9/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1889295.5/33

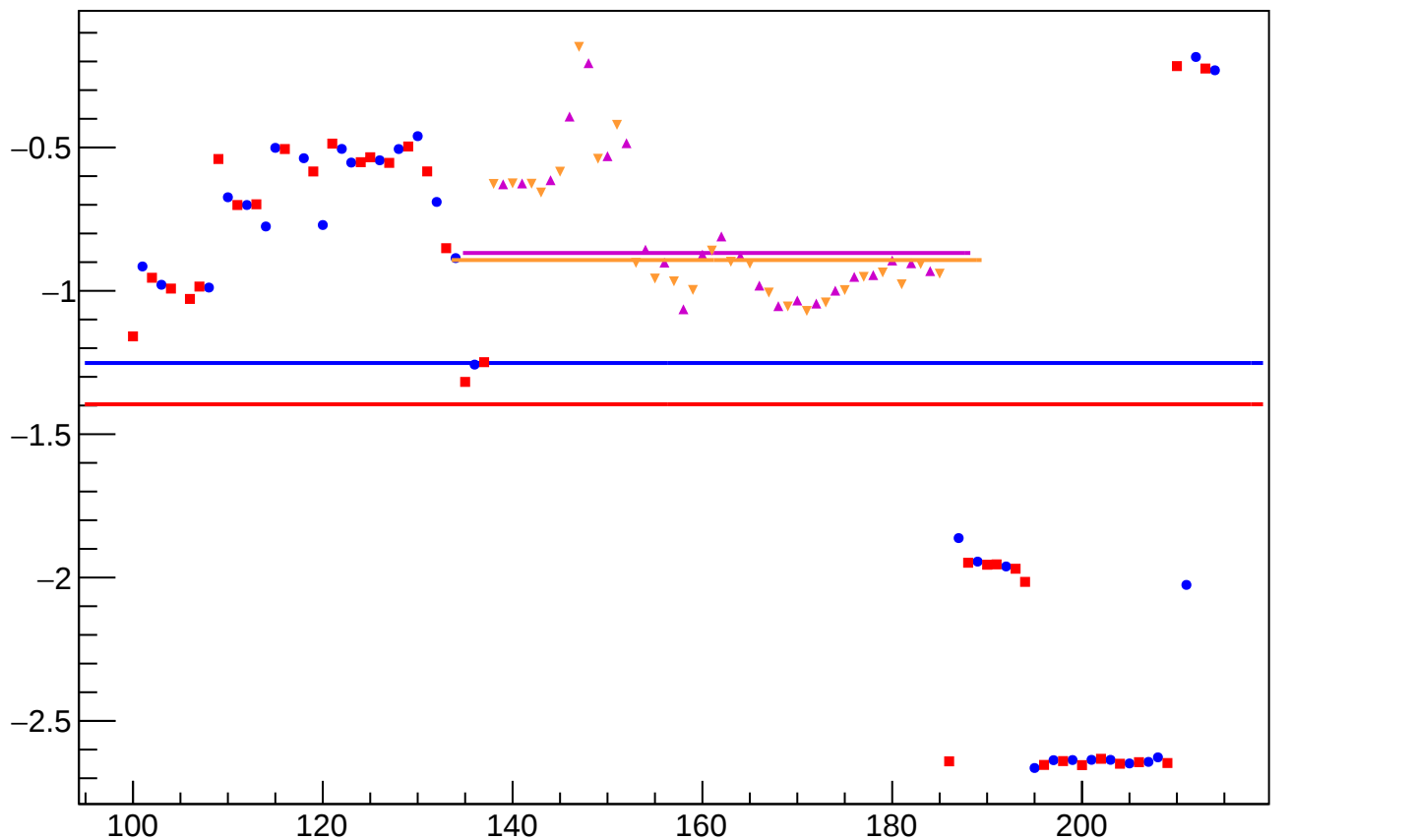
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:93111.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2224970.1/55

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4228310.3/112

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2002683.3/56

yield_bpm0i07X_mean vs Slug



Right In: -1.252 ± 0.000 χ^2/NDF : 493796896760.0/30

Left Out: -0.893 ± 0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.396 ± 0.000 χ^2/NDF : 590587816086.1/33

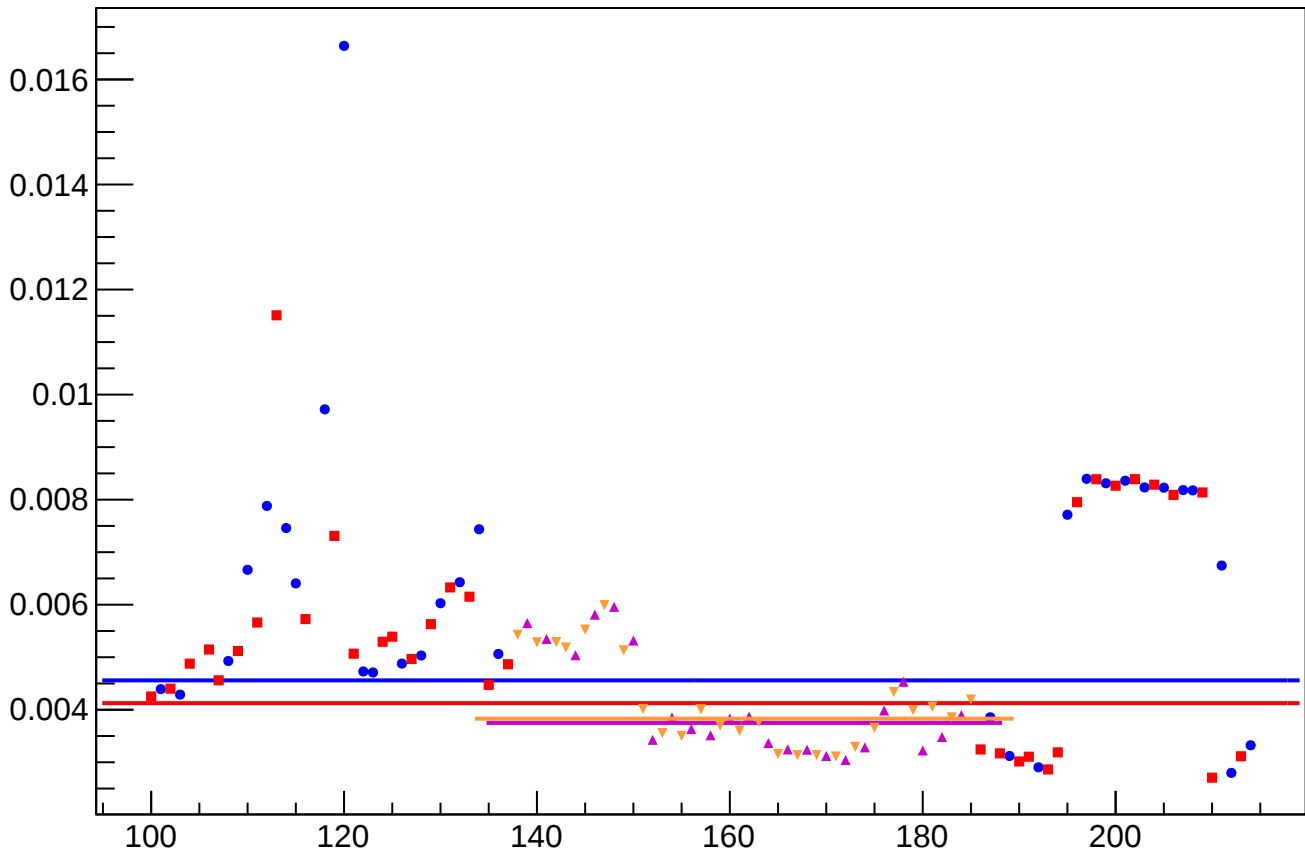
Left In: -0.868 ± 0.000 χ^2/NDF : 43853190177.2/22

+ sign -1.021 ± 0.000 χ^2/NDF : 586379295983.0/55

All: -1.056 ± 0.000 χ^2/NDF : 1354857968308

- sign -1.088 ± 0.000 χ^2/NDF : 764291931918.5/56

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 4971677.8/30

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 4712771.9/33

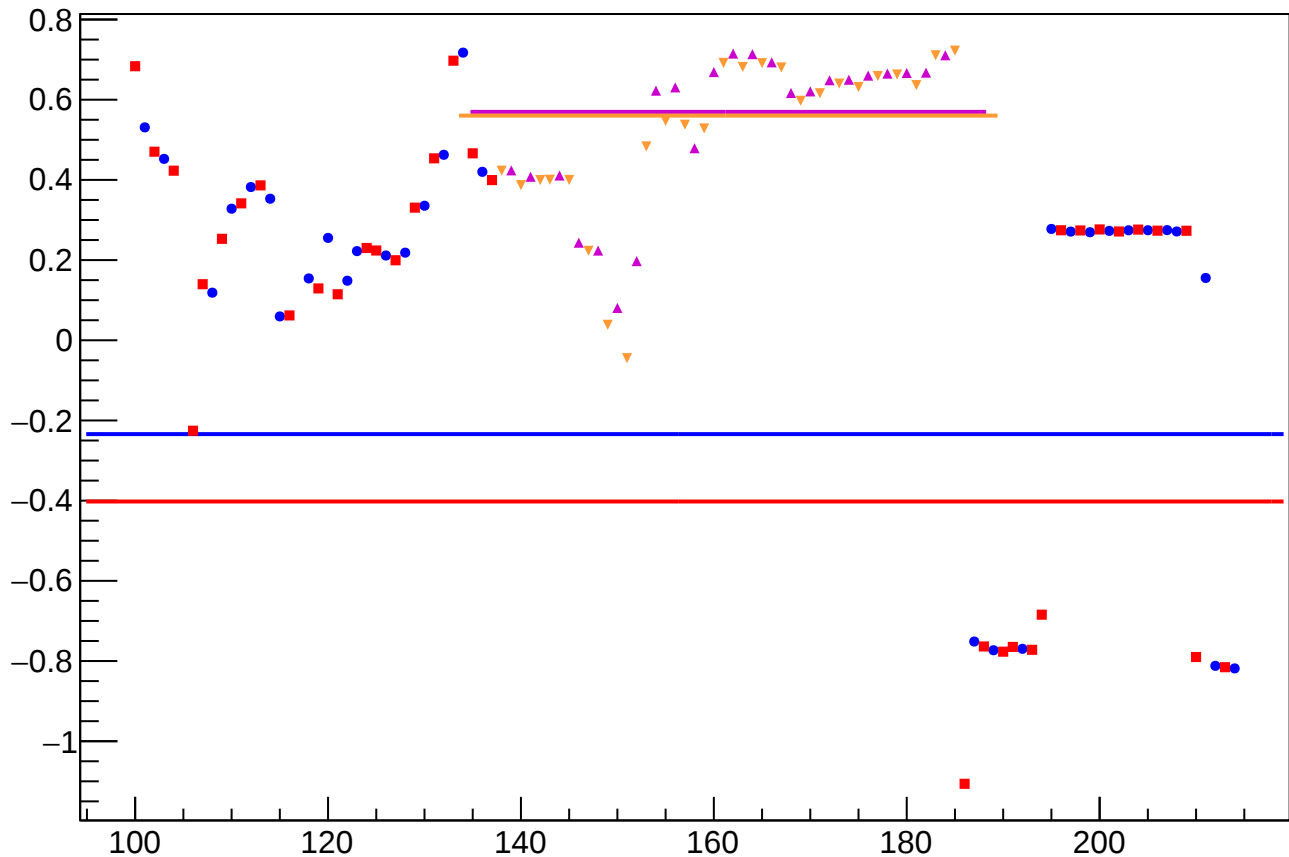
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6577701.4/55

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12773495.9/112

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6133564.5/56

yield_bpm0i07Y_mean vs Slug



Right In: -0.234+/-0.000 χ^2/NDF : 401945349561.1/30

Left Out: 0.560+/-0.000 χ^2/NDF : 45205806387.2/24

Right Out: -0.402+/-0.000 χ^2/NDF : 515809360427.2/33

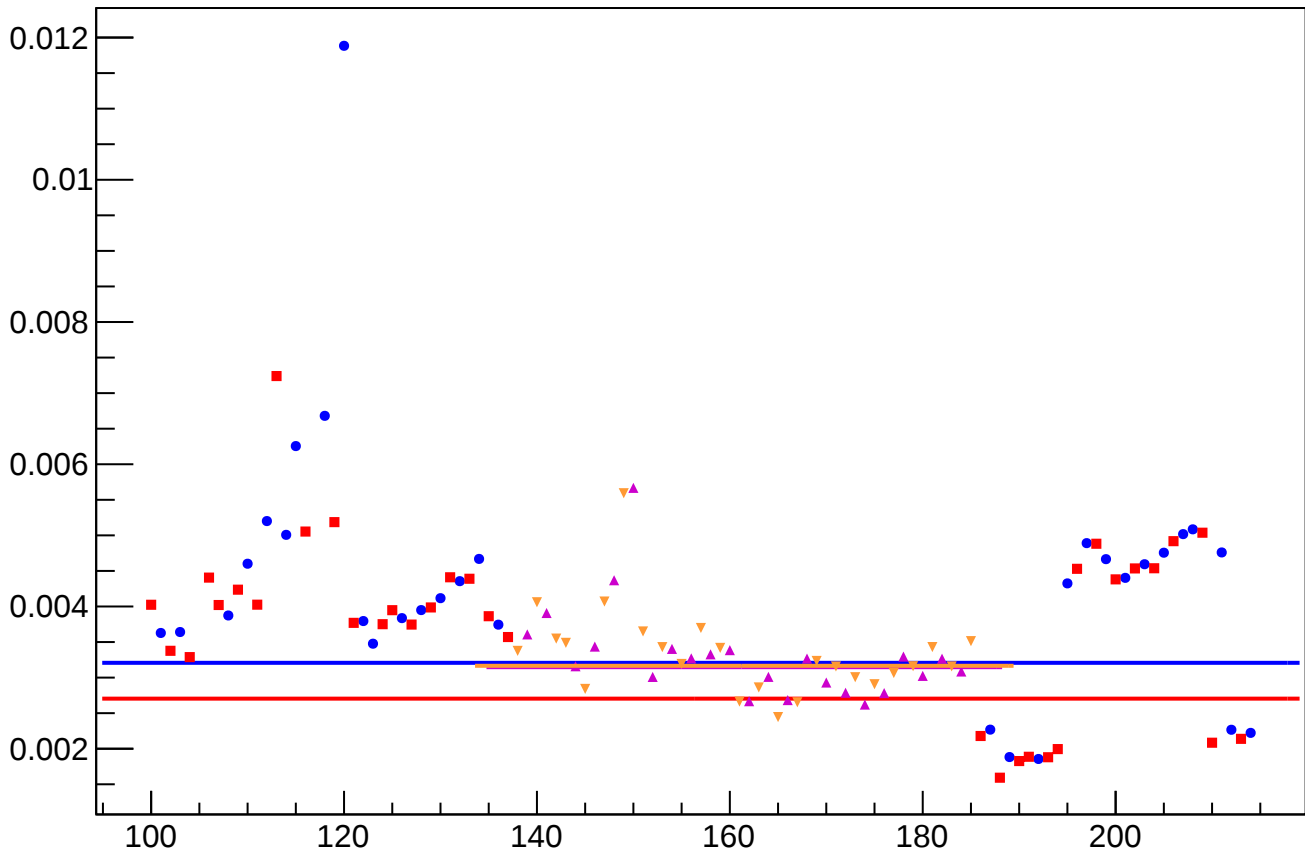
Left In: 0.570+/-0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.206+/-0.000 χ^2/NDF : 903006379823.0/55

All: 0.121+/-0.000 χ^2/NDF : 2291883597210.

- sign 0.047+/-0.000 χ^2/NDF : 1349311020042.0/56

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4165048.8/30

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 5024490.5/33

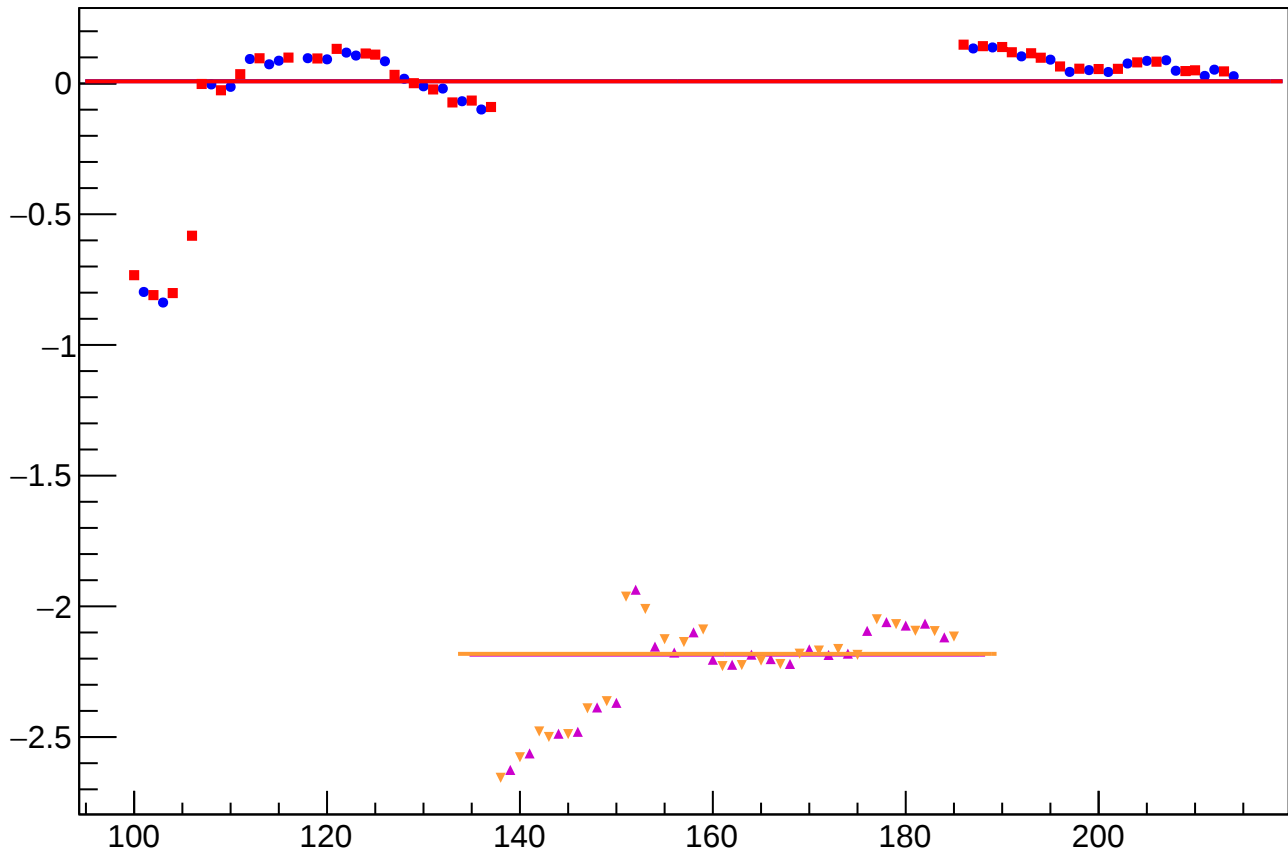
Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 4912465.2/55

All: 0.003+/-0.000 χ^2/NDF : 11219929.7/112

- sign 0.003+/-0.000 χ^2/NDF : 6068554.8/56

yield_bpm1i02X_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 5912029434.8/30

Left Out: -2.182+/-0.000 χ^2/NDF : 4008829567.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 6983479600.3/33

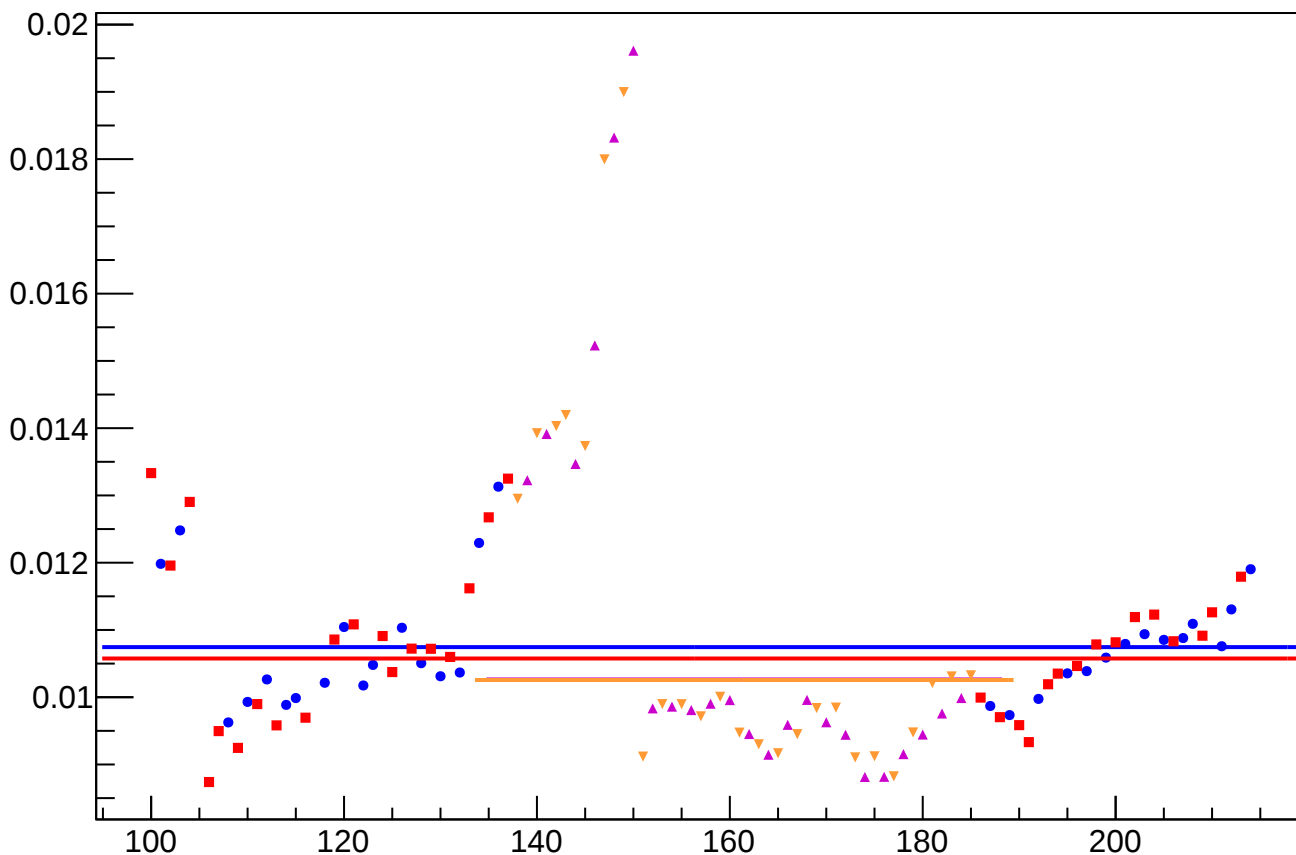
Left In: -2.185+/-0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.173+/-0.000 χ^2/NDF : 380825297660.8/55

All: -1.139+/-0.000 χ^2/NDF : 764487584740.4

- sign -1.105+/-0.000 χ^2/NDF : 382962501181.1/56

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 173228.1/30

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 247355.9/33

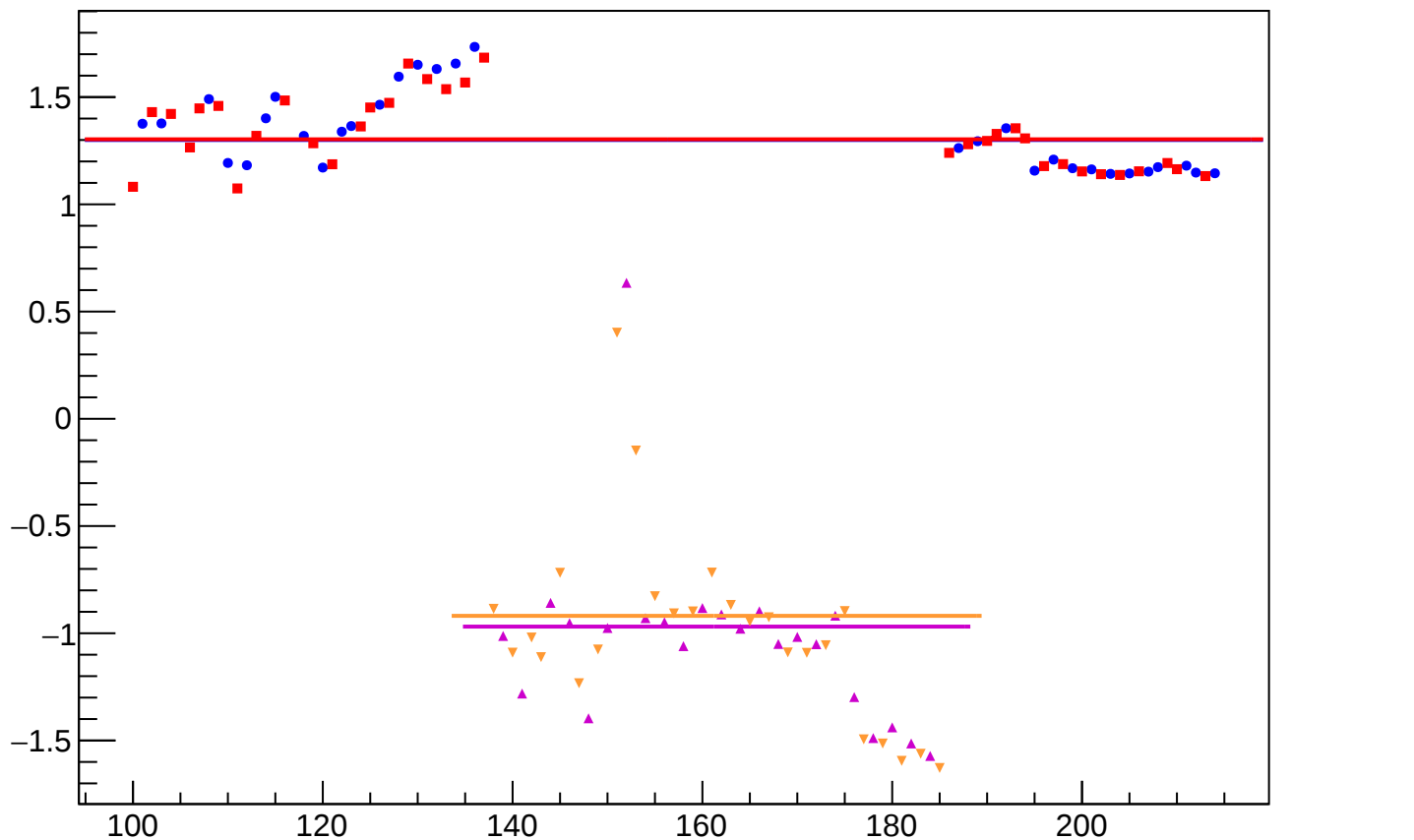
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1480800.7/55

All: 0.010+/-0.000 χ^2/NDF : 3084684.3/112

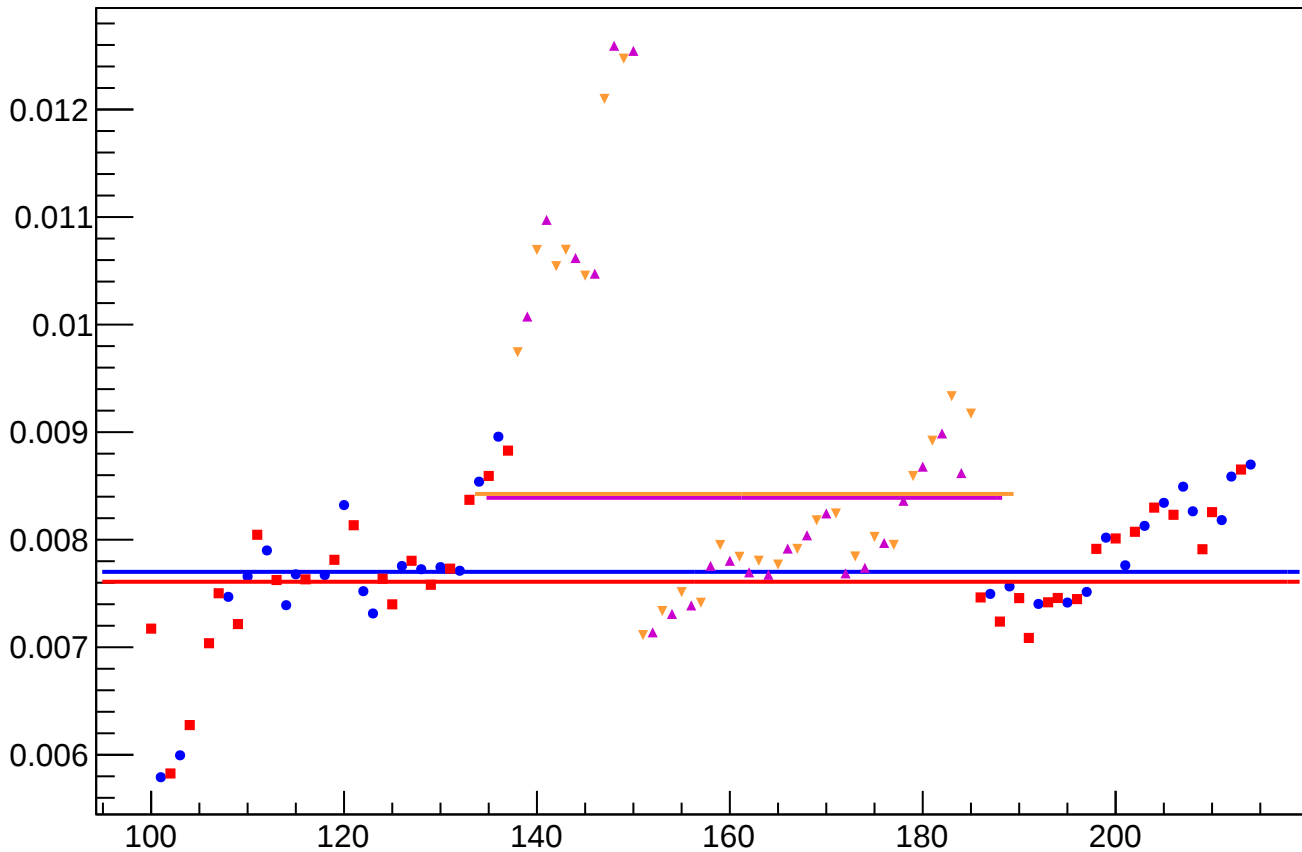
- sign 0.010+/-0.000 χ^2/NDF : 1602622.0/56

yield_bpm1i02Y_mean vs Slug



Right In: 1.300 $\pm$ 0.000	χ^2 /NDF: 8359263936.1/30	+ sign 0.244 $\pm$ 0.000	χ^2 /NDF: 714462734465.2/55
Left Out: -0.919 $\pm$ 0.000	χ^2 /NDF: 55622252895.8/24	All: 0.265 $\pm$ 0.000	χ^2 /NDF: 1458820926654.
Right Out: 1.303 $\pm$ 0.000	χ^2 /NDF: 6502505422.5/33	- sign 0.286 $\pm$ 0.000	χ^2 /NDF: 743897318628.3/56
Left In: -0.969 $\pm$ 0.000	χ^2 /NDF: 54895002535.8/22		

yield_bpm1i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 343548.8/30

Left Out: 0.008+/-0.000 χ^2/NDF : 792337.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 260066.2/33

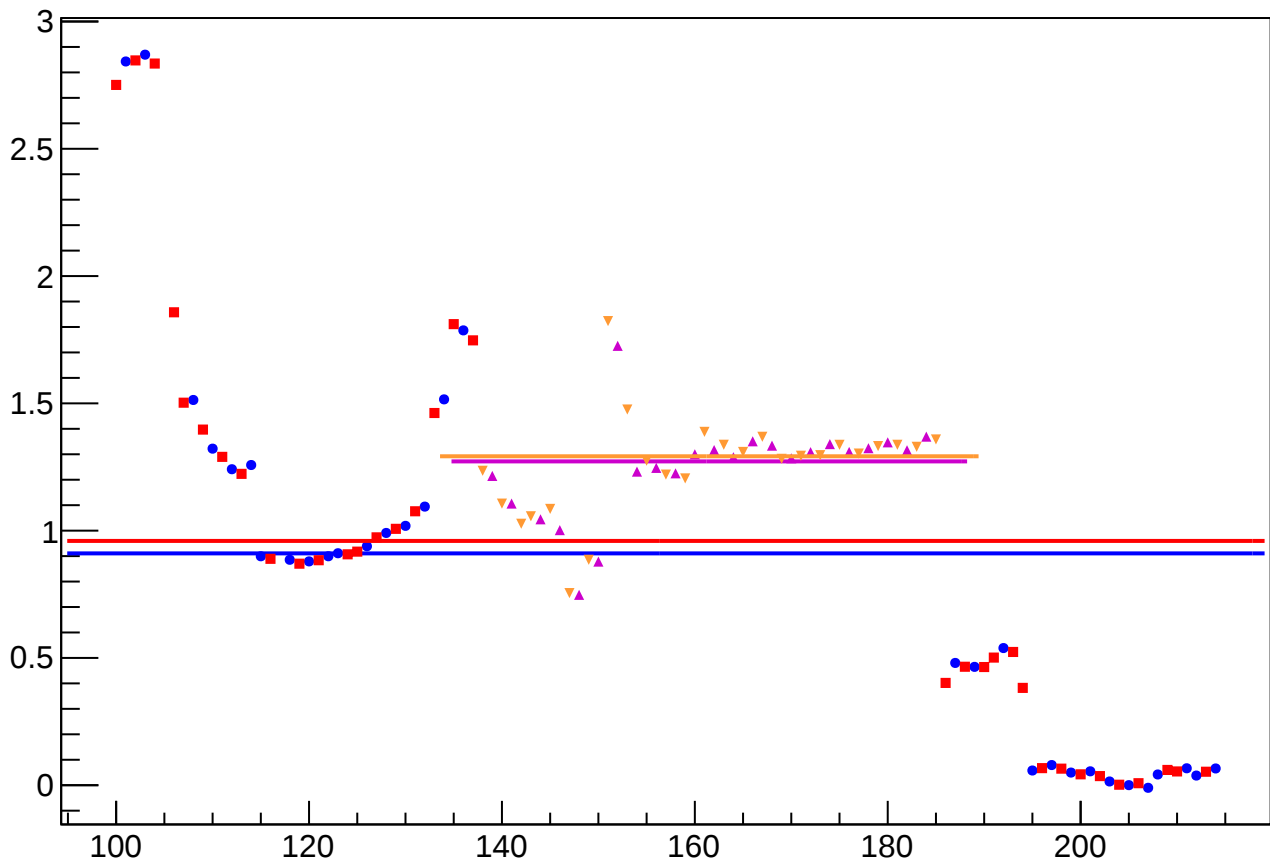
Left In: 0.008+/-0.000 χ^2/NDF : 839880.4/22

+ sign 0.008+/-0.000 χ^2/NDF : 1274522.6/55

All: 0.008+/-0.000 χ^2/NDF : 2539620.3/112

- sign 0.008+/-0.000 χ^2/NDF : 1261032.5/56

yield_bpm1i04X_mean vs Slug



Right In: 0.911 $\pm$ 0.000 χ^2 /NDF: 139270499223.9/30

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

Right Out: 0.960 $\pm$ 0.000 χ^2 /NDF: 132467826342.6/33

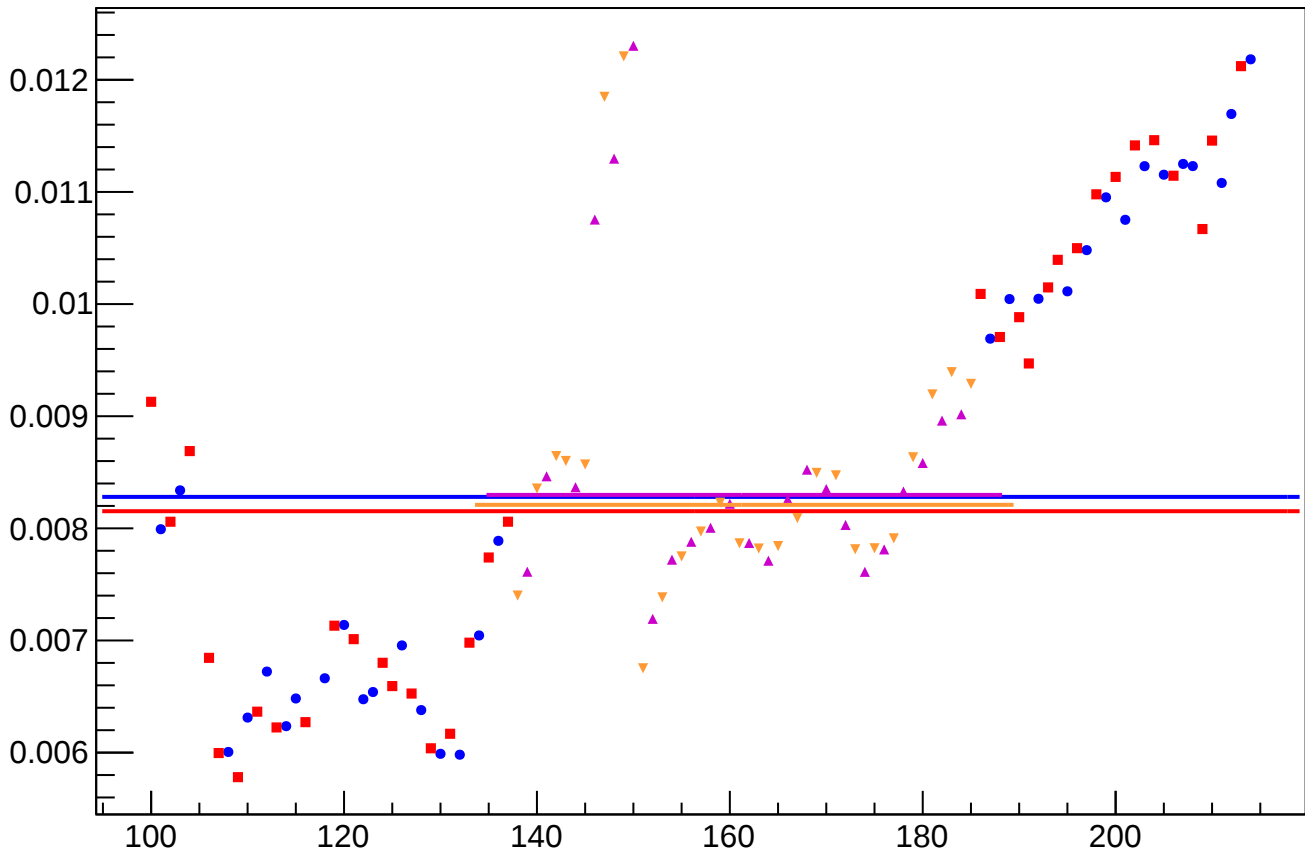
Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

+ sign 1.115 $\pm$ 0.000 χ^2 /NDF: 166346978648.6/55

All: 1.115 $\pm$ 0.000 χ^2 /NDF: 318264729230.7

- sign 1.116 $\pm$ 0.000 χ^2 /NDF: 151917488341.2/56

yield_bpm1i04X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1999643.2/30

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:478864.9/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 2068295.7/33

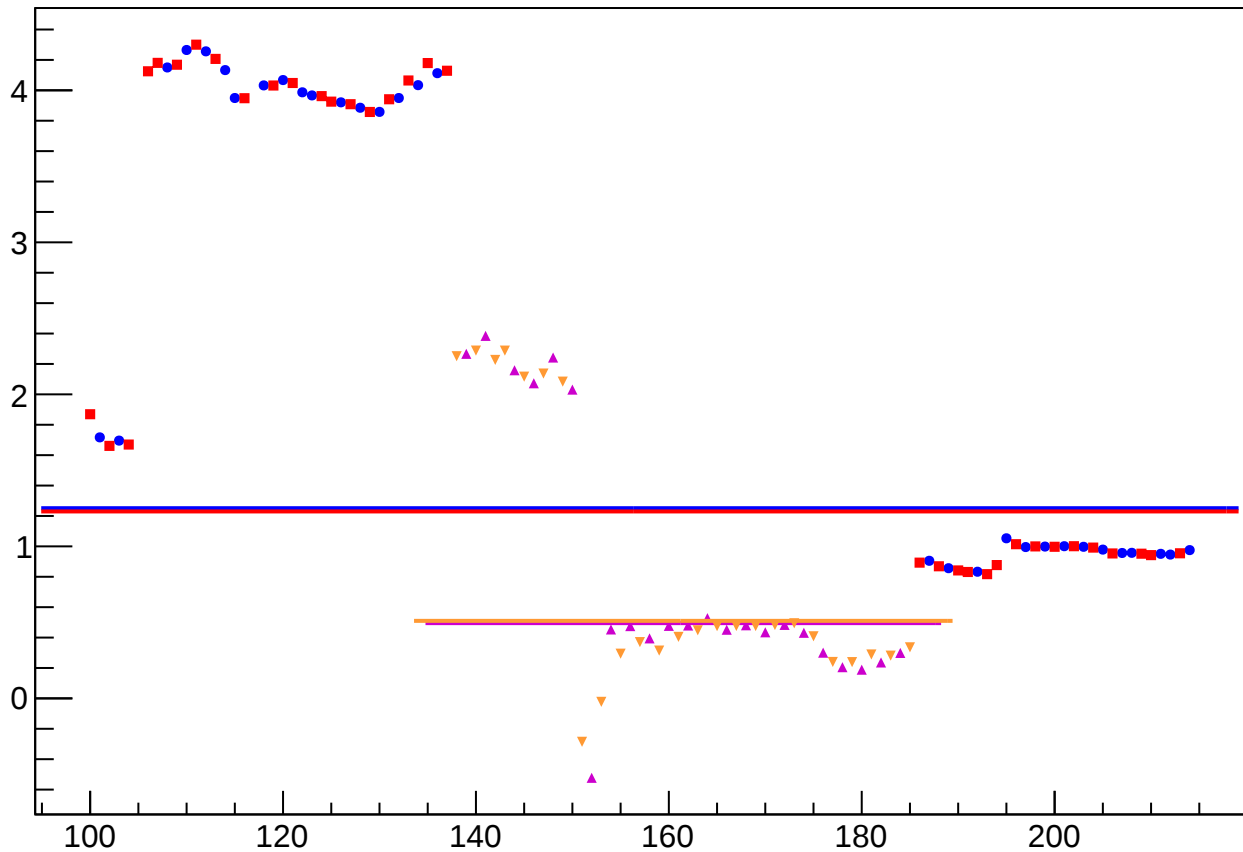
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2479735.9/55

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5015343.5/112

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2535467.7/56

yield_bpm1i04Y_mean vs Slug



Right In: 1.251+/-0.000 χ^2/NDF : 1525484429068.6/30

Left Out: 0.510+/-0.000 χ^2/NDF : 274818814912.4/24

Right Out: 1.230+/-0.000 χ^2/NDF : 1716529455397.1/33

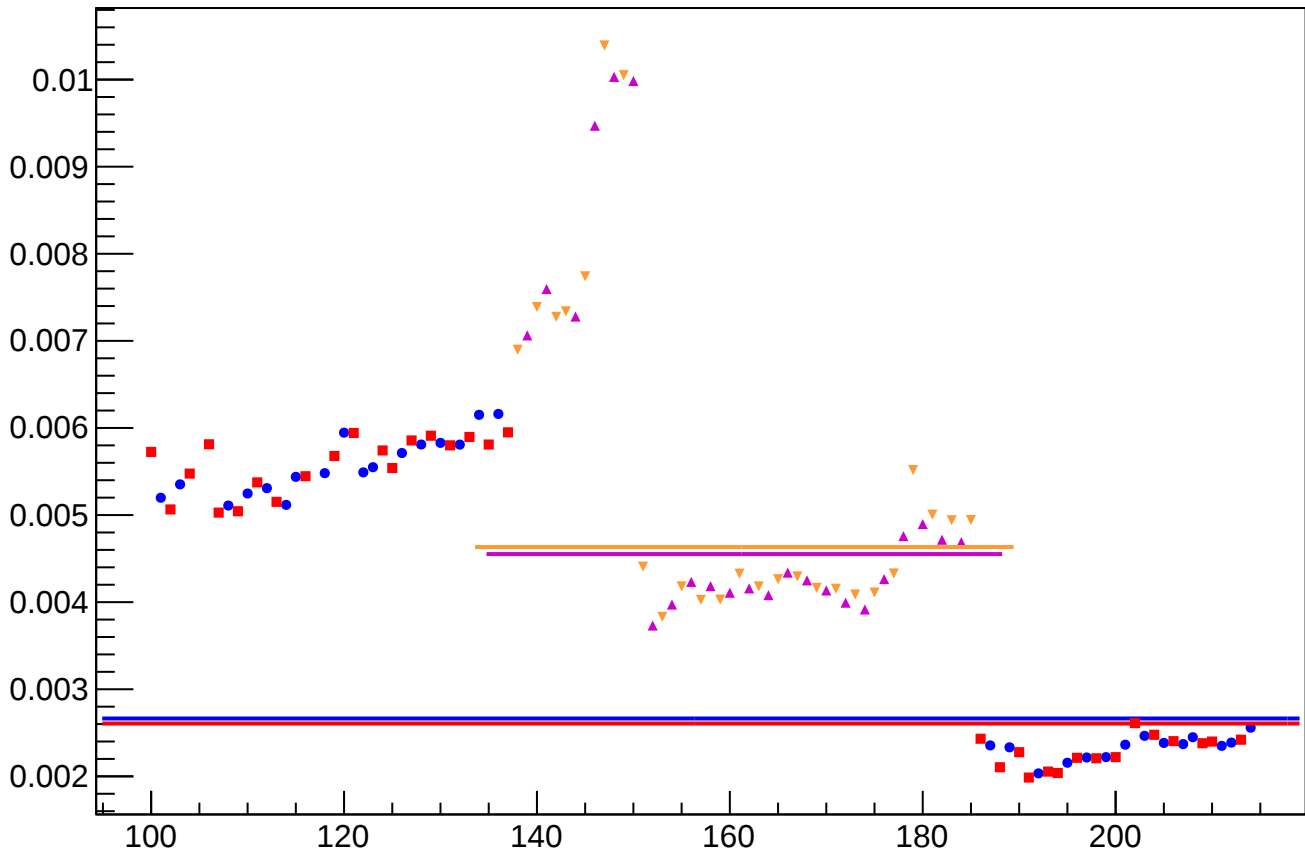
Left In: 0.495+/-0.000 χ^2/NDF : 268863202792.4/22

+ sign 1.040+/-0.000 χ^2/NDF : 2105607498043.0/55

All: 1.037+/-0.000 χ^2/NDF : 4391297296196.0

- sign 1.034+/-0.000 χ^2/NDF : 2285636572120.3/56

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4186124.9/30

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4474345.7/33

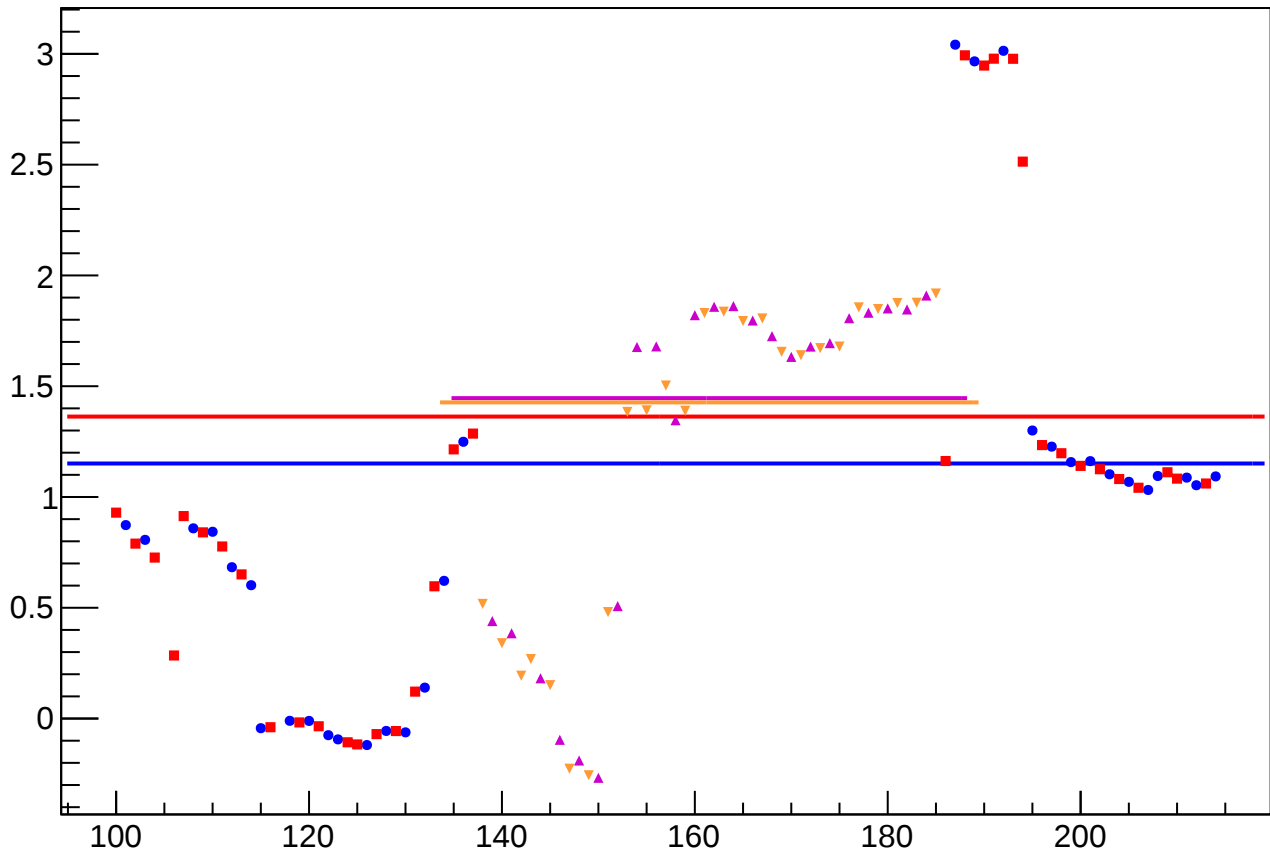
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 10609441.5/55

All: 0.003+/-0.000 χ^2/NDF : 21559416.9/112

- sign 0.003+/-0.000 χ^2/NDF : 10922380.1/56

yield_bpm1i06X_mean vs Slug



Right In: 1.151+/-0.000 χ^2/NDF : 72875318151.8/30

Left Out: 1.427+/-0.000 χ^2/NDF : 49990787038.3/24

Right Out: 1.363+/-0.000 χ^2/NDF : 101181373221.0/33

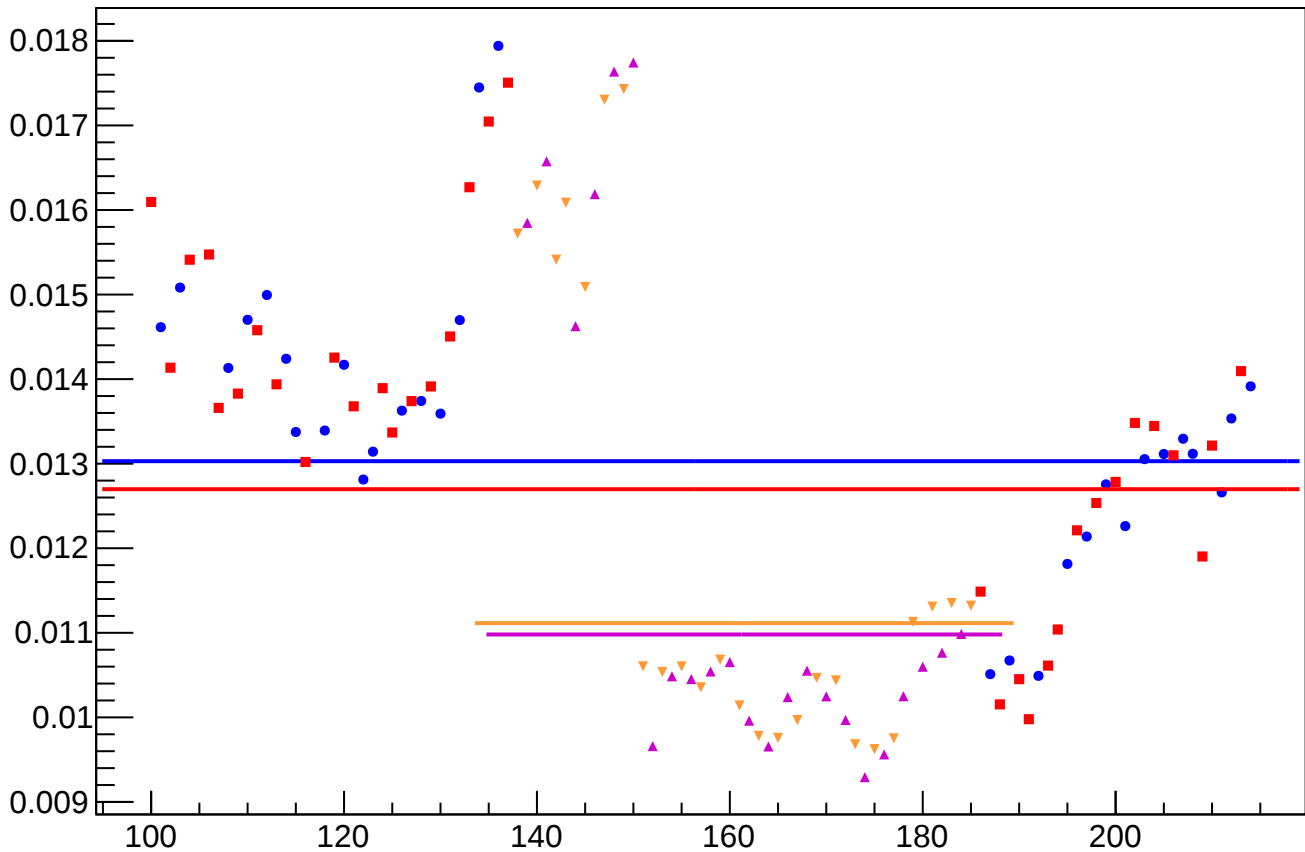
Left In: 1.446+/-0.000 χ^2/NDF : 53752493130.3/22

+ sign 1.316+/-0.000 χ^2/NDF : 127230781477.2/55

All: 1.363+/-0.000 χ^2/NDF : 283646996656.9

- sign 1.410+/-0.000 χ^2/NDF : 155342009126.3/56

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 445962.3/30

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 583366.2/33

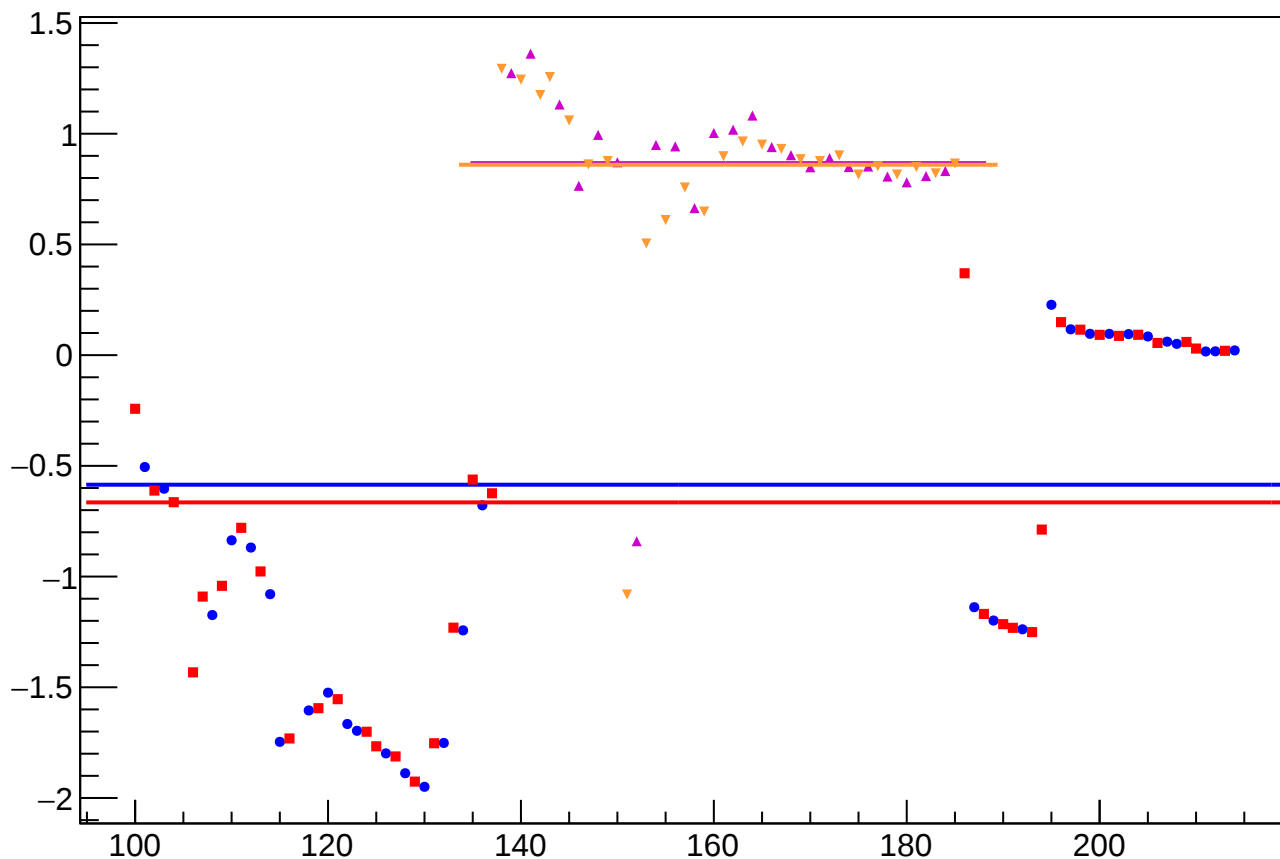
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 2094210.8/55

All: 0.012+/-0.000 χ^2/NDF : 4297981.6/112

- sign 0.012+/-0.000 χ^2/NDF : 2196998.4/56

yield_bpm1i06Y_mean vs Slug



Right In: -0.585+/-0.000 χ^2/NDF : 195243248649.7/30

Left Out: 0.860+/-0.000 χ^2/NDF :126335891175.4/24

Right Out: -0.665+/-0.000 χ^2/NDF : 180119658750.2/33

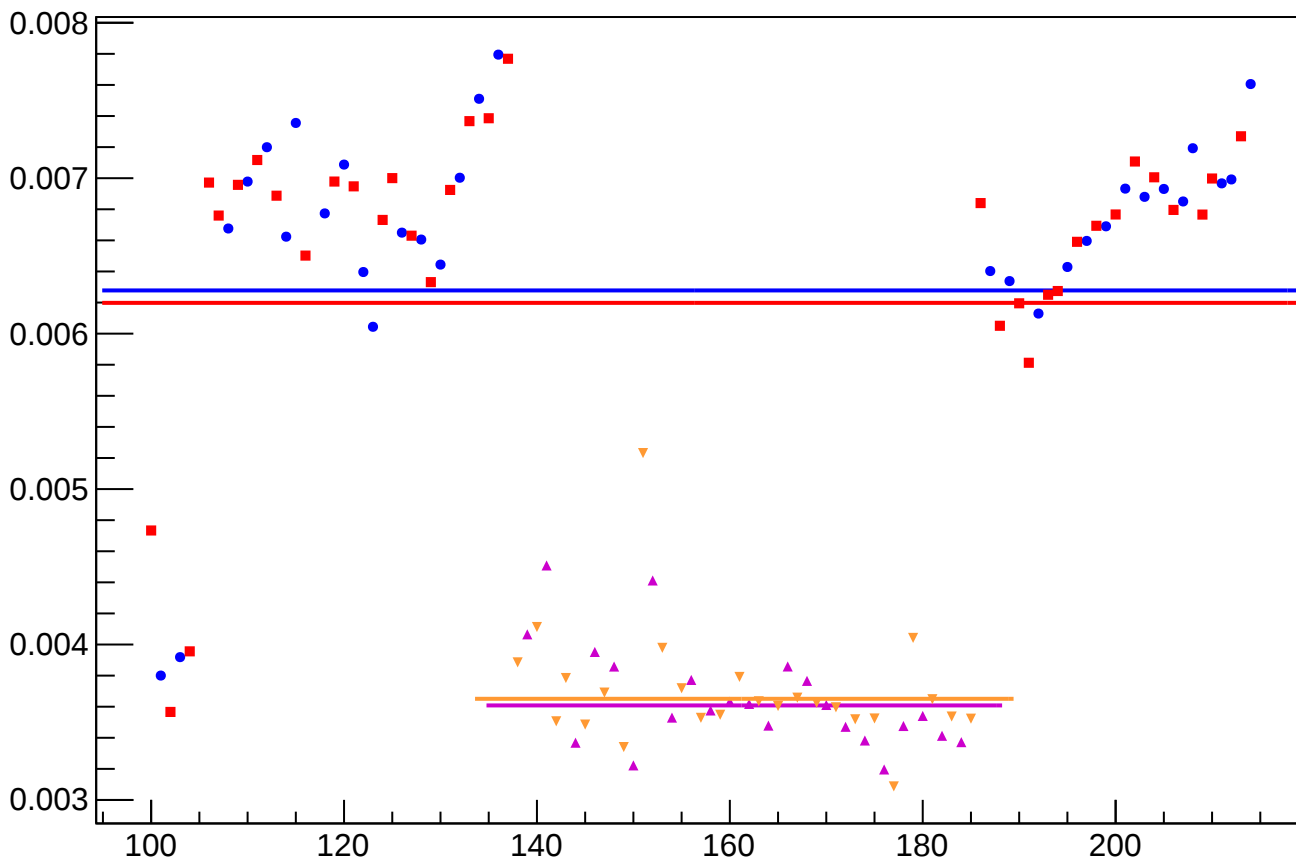
Left In: 0.867+/-0.000 χ^2/NDF :147039402944.6/22

+ sign 0.516+/-0.000 χ^2/NDF : 944451826780.1/55

All: 0.496+/-0.000 χ^2/NDF : 1995457574335.

- sign 0.476+/-0.000 χ^2/NDF : 1049731860691.4/56

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1106766.9/30

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1153690.3/33

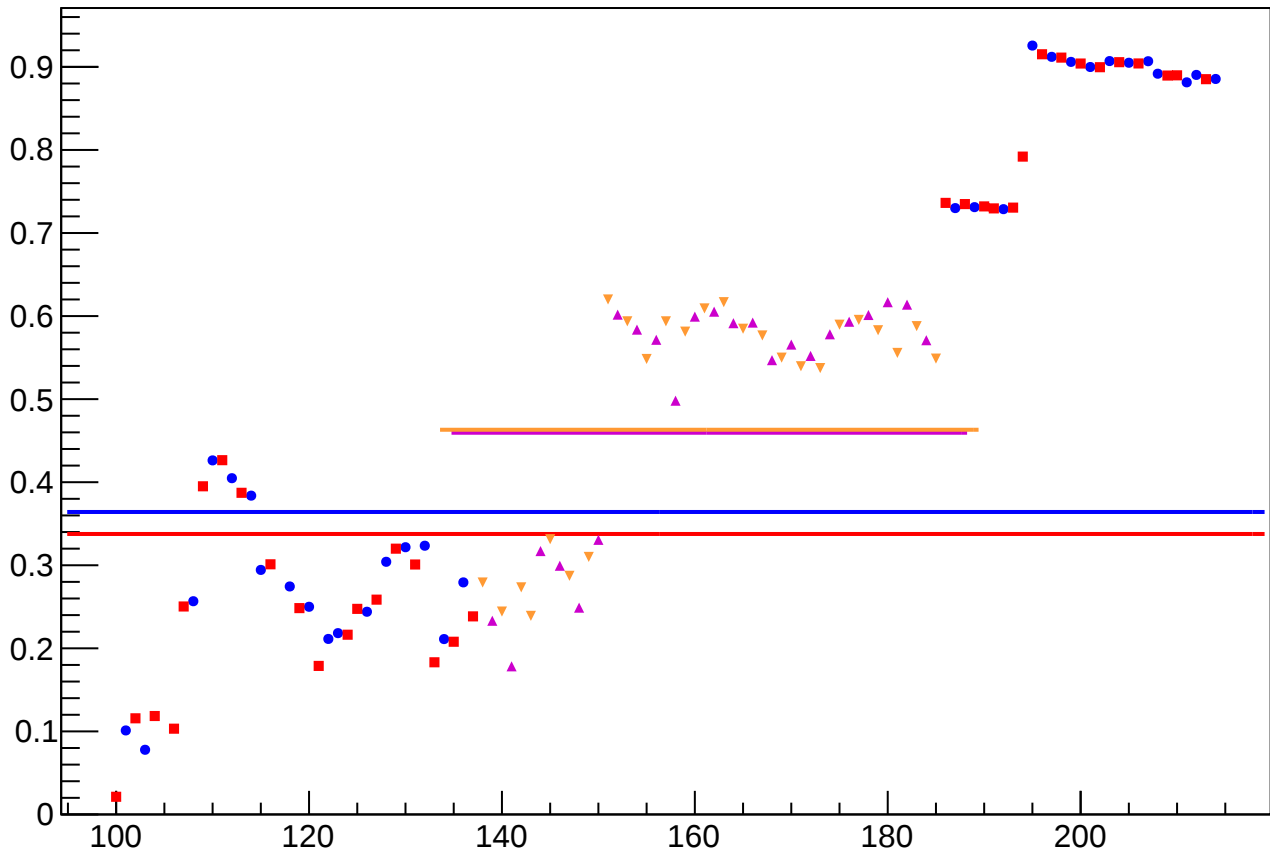
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5461865.9/55

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 10972595.8/112

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5510637.9/56

yield_bpm2i01X_mean vs Slug



Right In: 0.364 $\pm$ 0.000 χ^2 /NDF: 186501287595.0/30

Left Out: 0.463 $\pm$ 0.000 χ^2 /NDF: 102506270538.7/24

Right Out: 0.338 $\pm$ 0.000 χ^2 /NDF: 193531029057.9/33

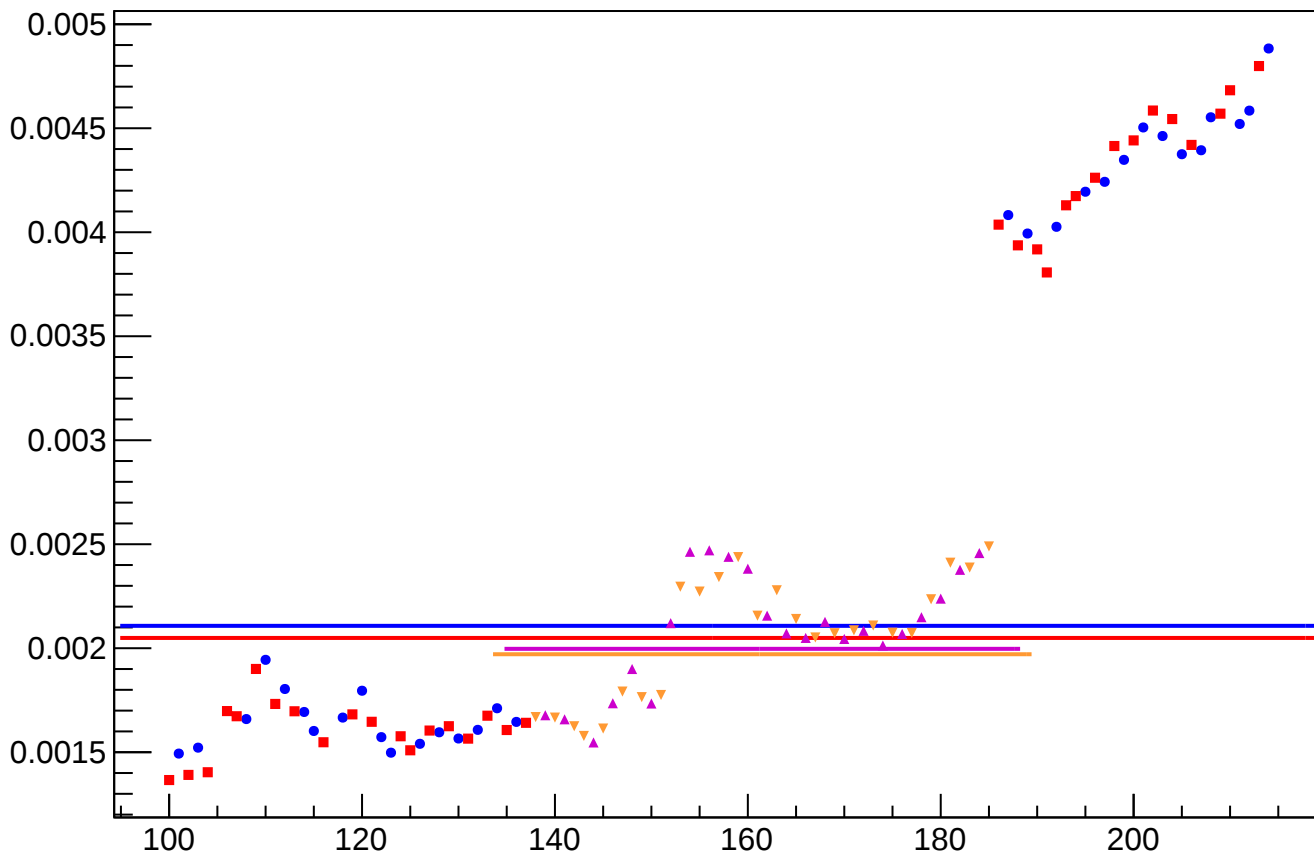
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF: 104559088628.4/22

+ sign 0.424 $\pm$ 0.000 χ^2 /NDF: 306642256140.6/55

All: 0.415 $\pm$ 0.000 χ^2 /NDF: 633216947679.8

- sign 0.406 $\pm$ 0.000 χ^2 /NDF: 325353518574.8/56

yield_bpm2i01X_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 6561447.7/30

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:730203.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 6837828.4/33

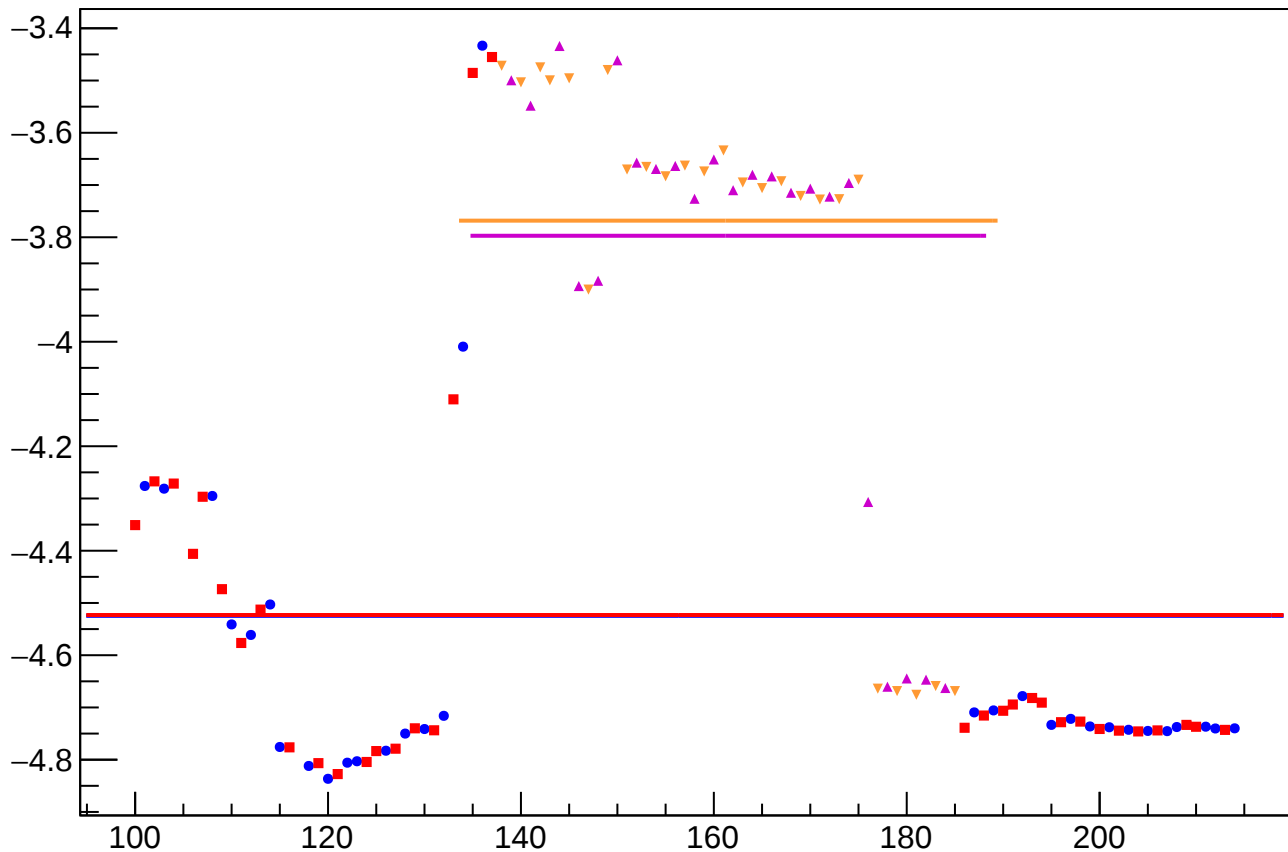
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:666404.2/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 7358769.1/55

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 14873215.9/112

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 7514287.9/56

yield_bpm2i01Y_mean vs Slug



Right In: -4.525+/-0.000 χ^2 /NDF: 444409330806.3/30

Left Out: -3.768+/-0.000 χ^2 /NDF: 516780173940.8/24

Right Out: -4.523+/-0.000 χ^2 /NDF: 378776501064.5/33

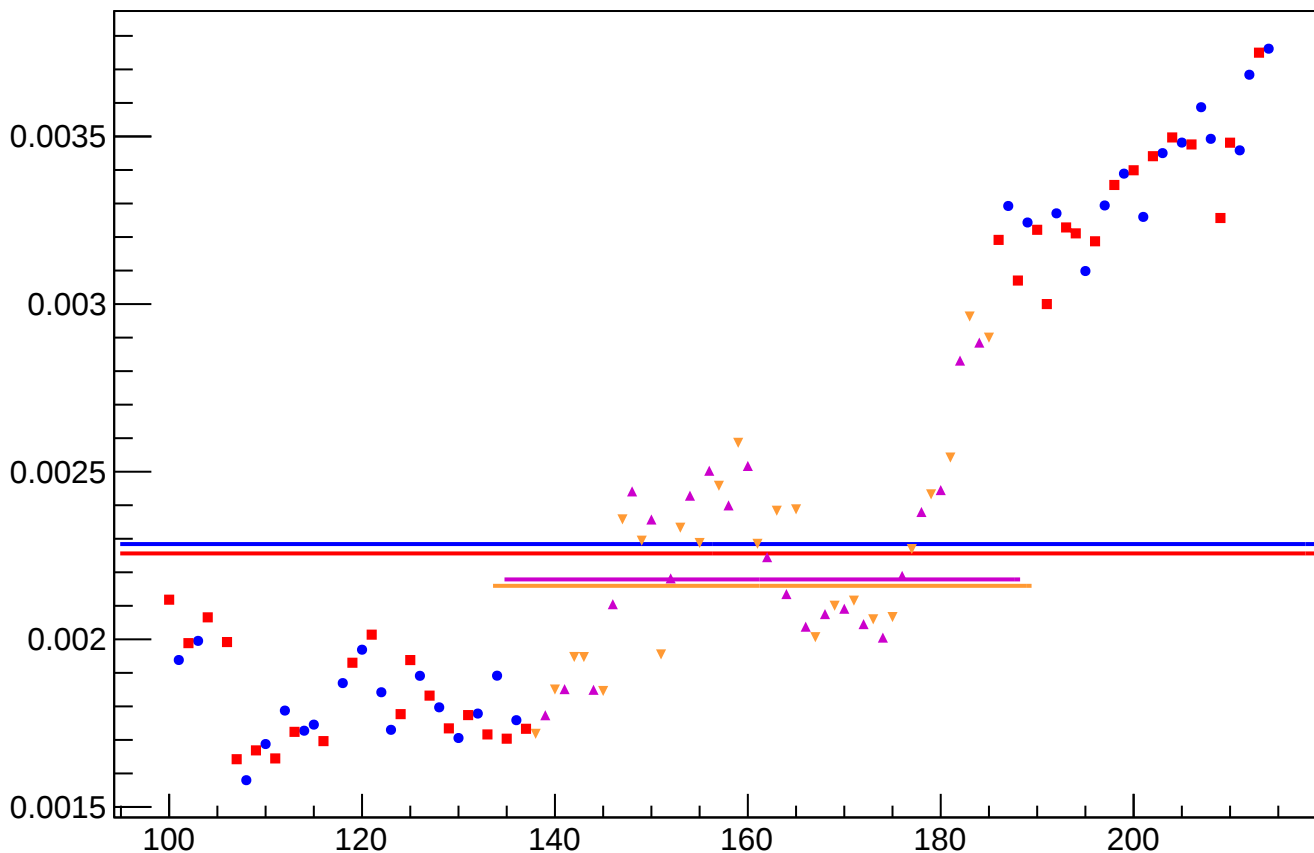
Left In: -3.797+/-0.000 χ^2 /NDF: 444886272608.9/22

+ sign -4.092+/-0.000 χ^2 /NDF: 1894123418499.8/5

All: -4.112+/-0.000 χ^2 /NDF: 3586110934401

- sign -4.132+/-0.000 χ^2 /NDF: 1686608644208.1/5

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3160348.0/30

Left Out: 0.002+/-0.000 χ^2/NDF :547831.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3098988.7/33

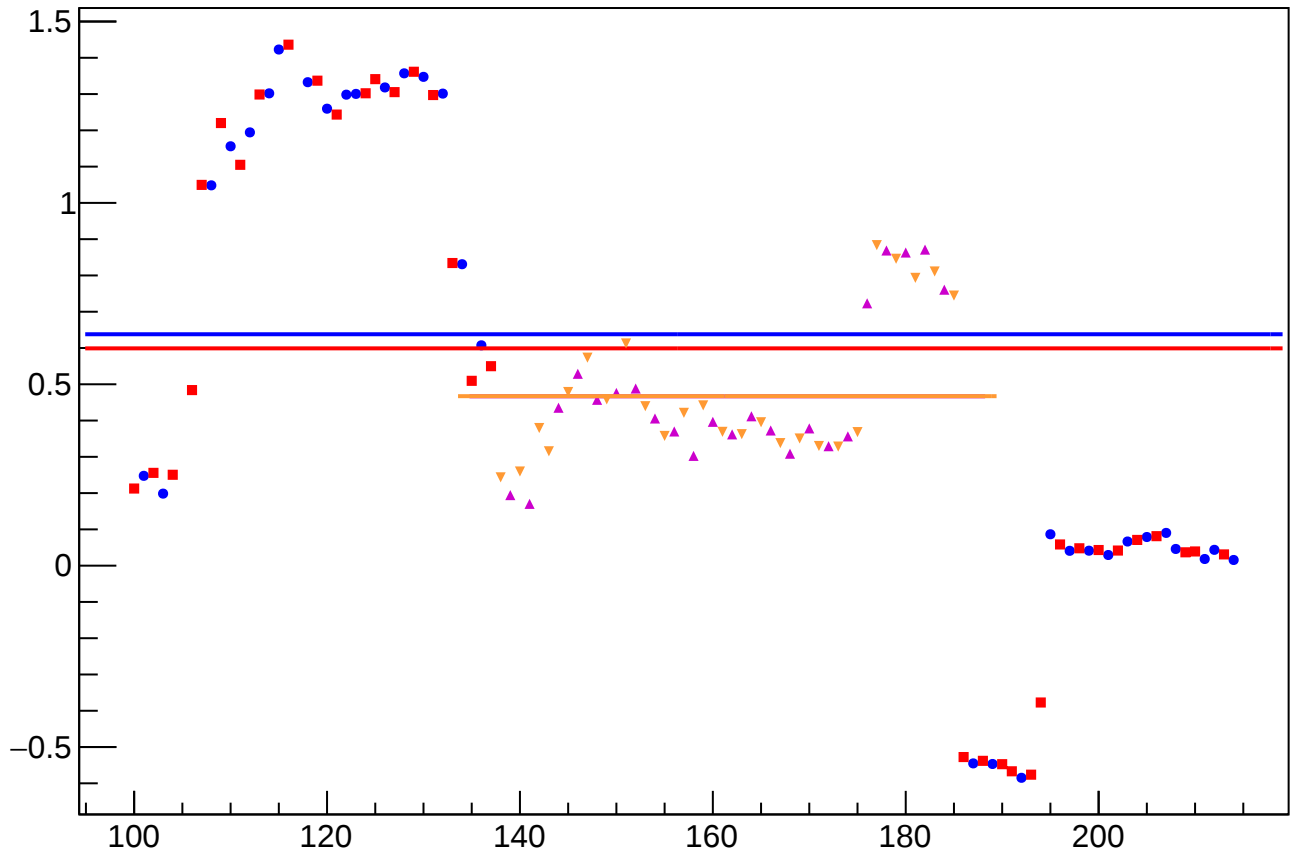
Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 3758779.0/55

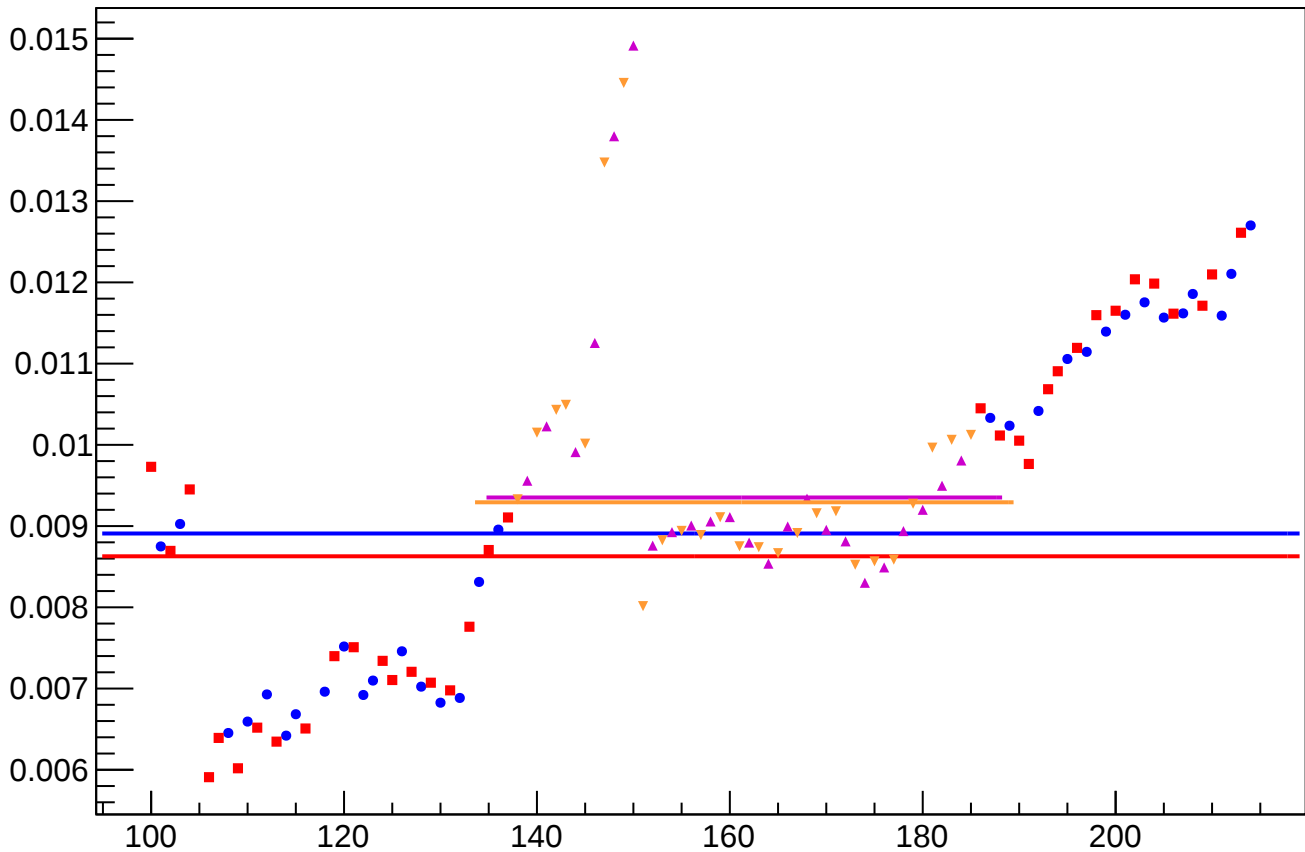
All: 0.002+/-0.000 χ^2/NDF : 7340749.5/112

- sign 0.002+/-0.000 χ^2/NDF : 3581954.2/56

yield_bpm2i02X_mean vs Slug



yield_bpm2i02X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1777697.2/30

Left Out: 0.009+/-0.000 χ^2/NDF : 528279.5/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2068895.0/33

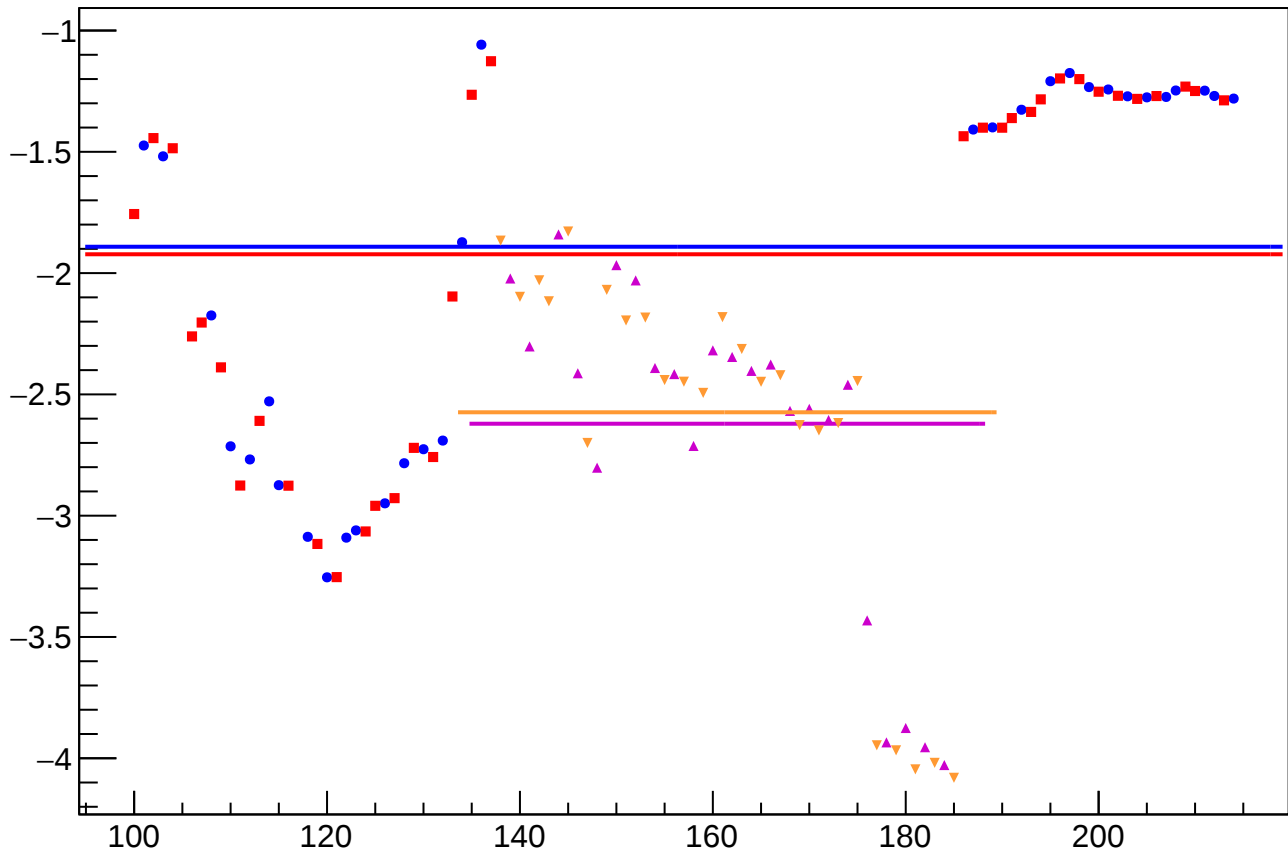
Left In: 0.009+/-0.000 χ^2/NDF : 557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 2335999.6/55

All: 0.009+/-0.000 χ^2/NDF : 5077449.2/112

- sign 0.009+/-0.000 χ^2/NDF : 2733895.7/56

yield_bpm2i02Y_mean vs Slug



Right In: -1.891 ± 0.000 χ^2/NDF : 134653334979.1/30

Left Out: -2.574 ± 0.000 χ^2/NDF : 99176112704.9/24

Right Out: -1.922 ± 0.000 χ^2/NDF : 130742222161.9/33

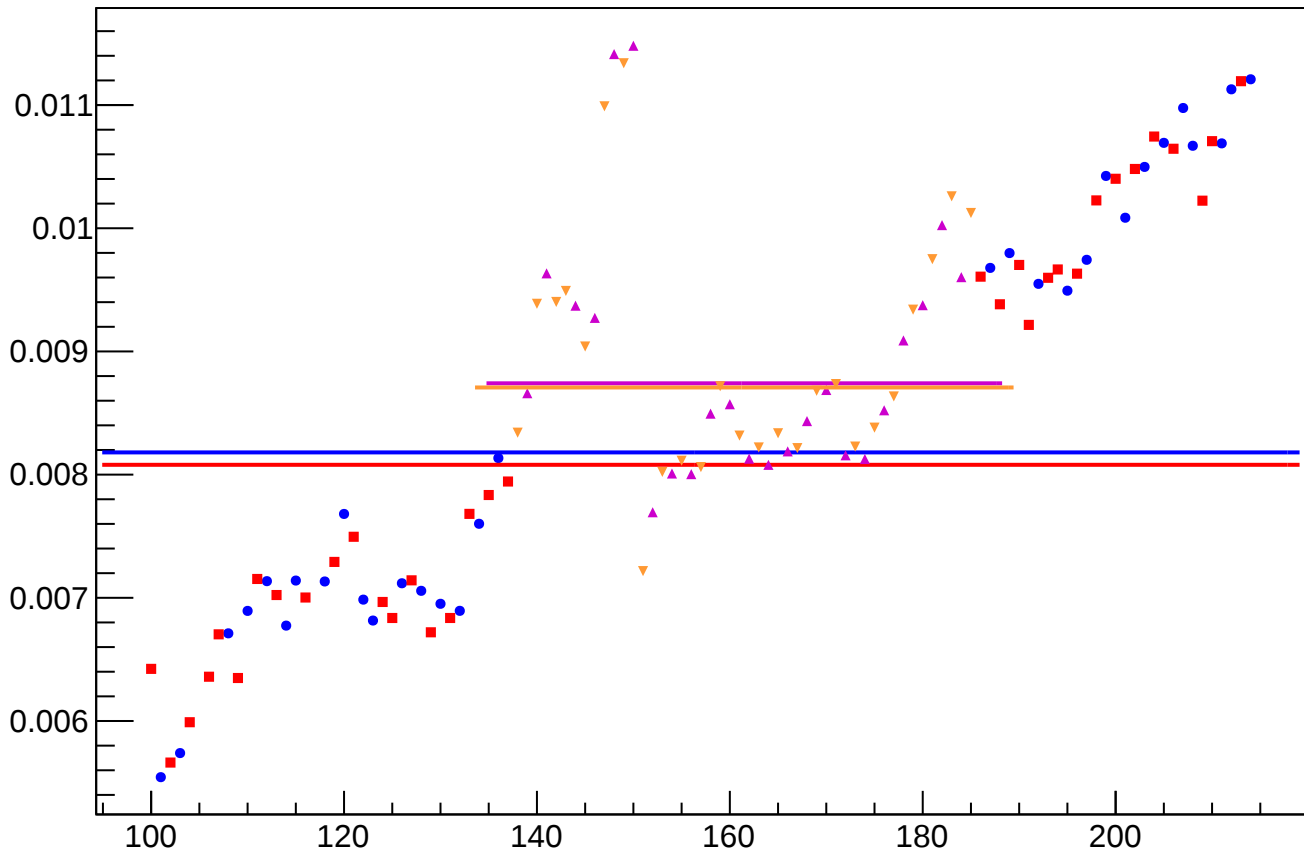
Left In: -2.621 ± 0.000 χ^2/NDF : 80862402796.4/22

+ sign -2.234 ± 0.000 χ^2/NDF : 289328833097.4/55

All: -2.242 ± 0.000 χ^2/NDF : 559000239628.2

- sign -2.251 ± 0.000 χ^2/NDF : 269607523672.4/56

yield_bpm2i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1631636.1/30

Left Out: 0.009+/-0.000 χ^2/NDF : 369376.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1516109.3/33

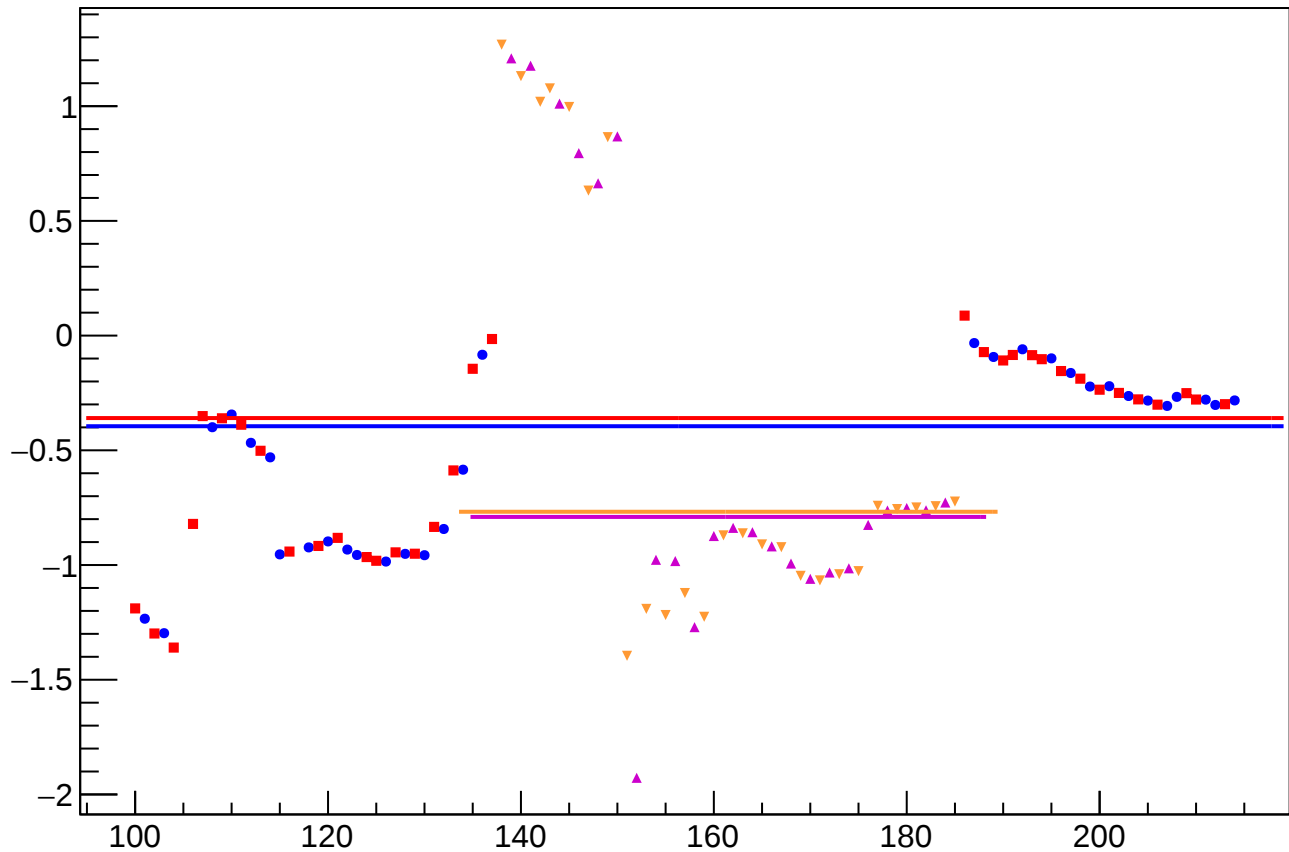
Left In: 0.009+/-0.000 χ^2/NDF : 353750.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 2067225.0/55

All: 0.008+/-0.000 χ^2/NDF : 4042542.2/112

- sign 0.008+/-0.000 χ^2/NDF : 1973890.0/56

yield_bpm0i01X_mean vs Slug



Right In: -0.395 ± 0.000 $\chi^2/\text{NDF}: 23000293551.7/30$

Left Out: -0.768 ± 0.000 $\chi^2/\text{NDF}: 120774855982.9/24$

Right Out: -0.359 ± 0.000 $\chi^2/\text{NDF}: 25317389516.4/33$

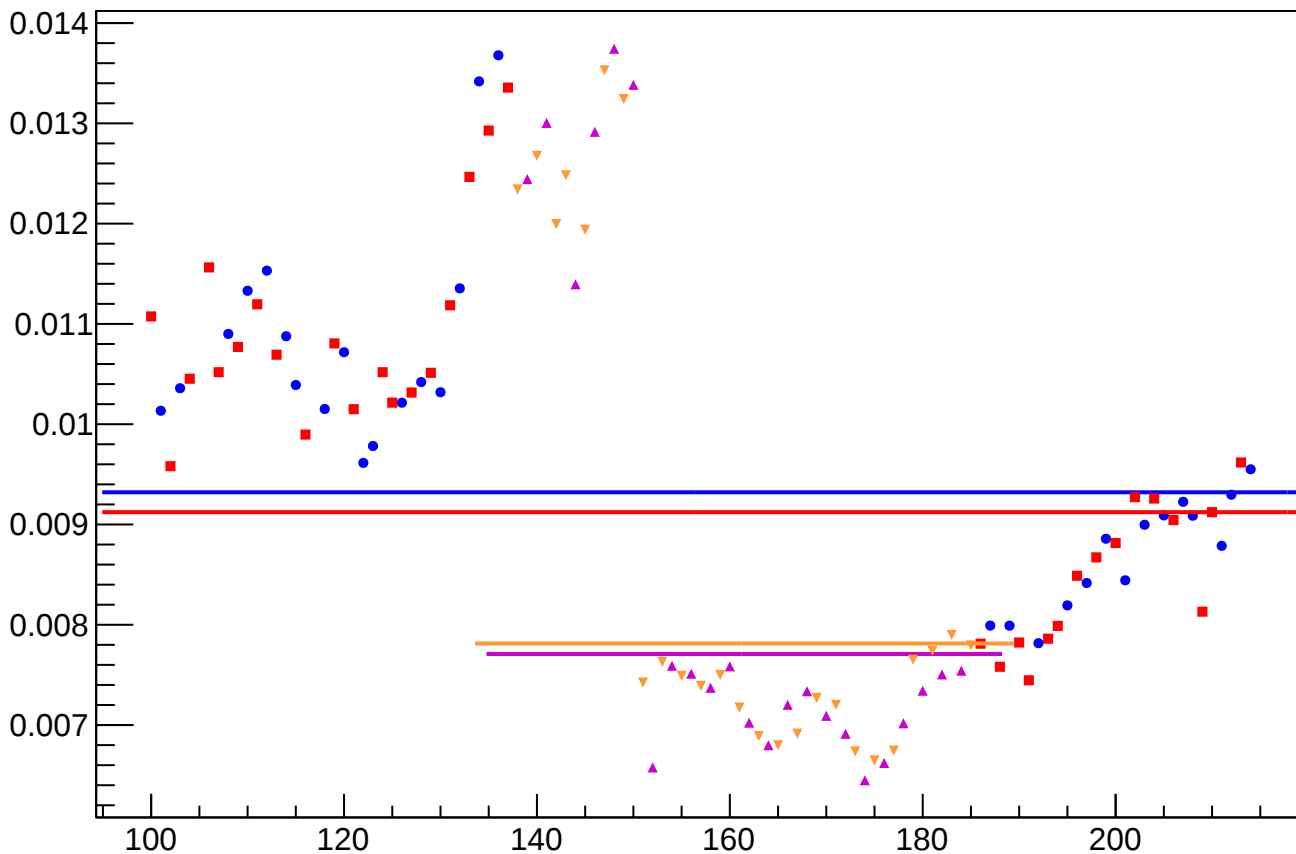
Left In: -0.790 ± 0.000 $\chi^2/\text{NDF}: 123452478408.2/22$

+ sign -0.619 ± 0.000 $\chi^2/\text{NDF}: 159362756613.4/55$

All: -0.614 ± 0.000 $\chi^2/\text{NDF}: 329549214088.9$

- sign -0.608 ± 0.000 $\chi^2/\text{NDF}: 170155829200.9/56$

yield_bpm0i01X_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 548479.4/30

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1705997.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 654300.6/33

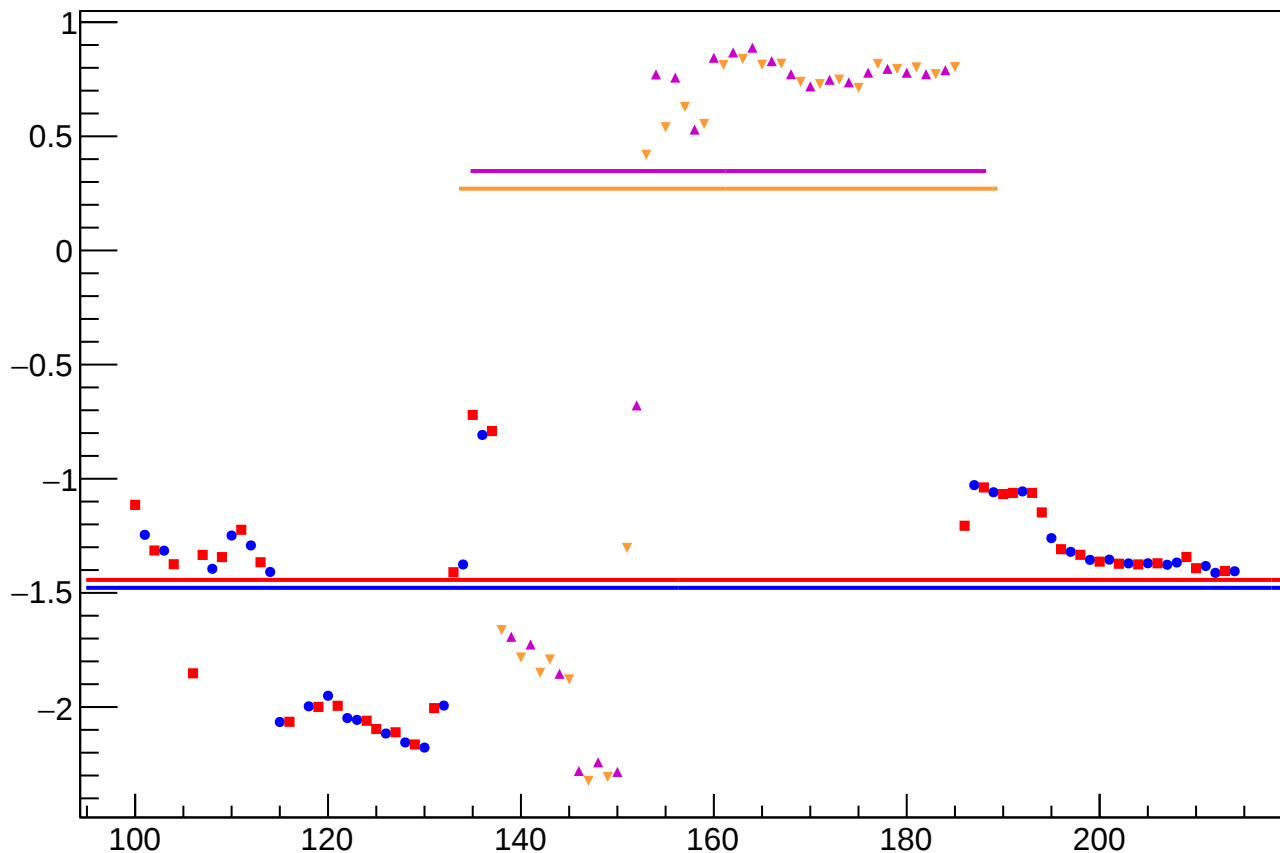
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1746653.6/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2764508.9/55

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5631436.0/112

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2861609.8/56

yield_bpm0i01Y_mean vs Slug



Right In: -1.478 ± 0.000 χ^2/NDF : 175121681146.6/30

Left Out: 0.271 ± 0.000 χ^2/NDF : 2583233987355.9/24

Right Out: -1.443 ± 0.000 χ^2/NDF : 164550282262.6/33

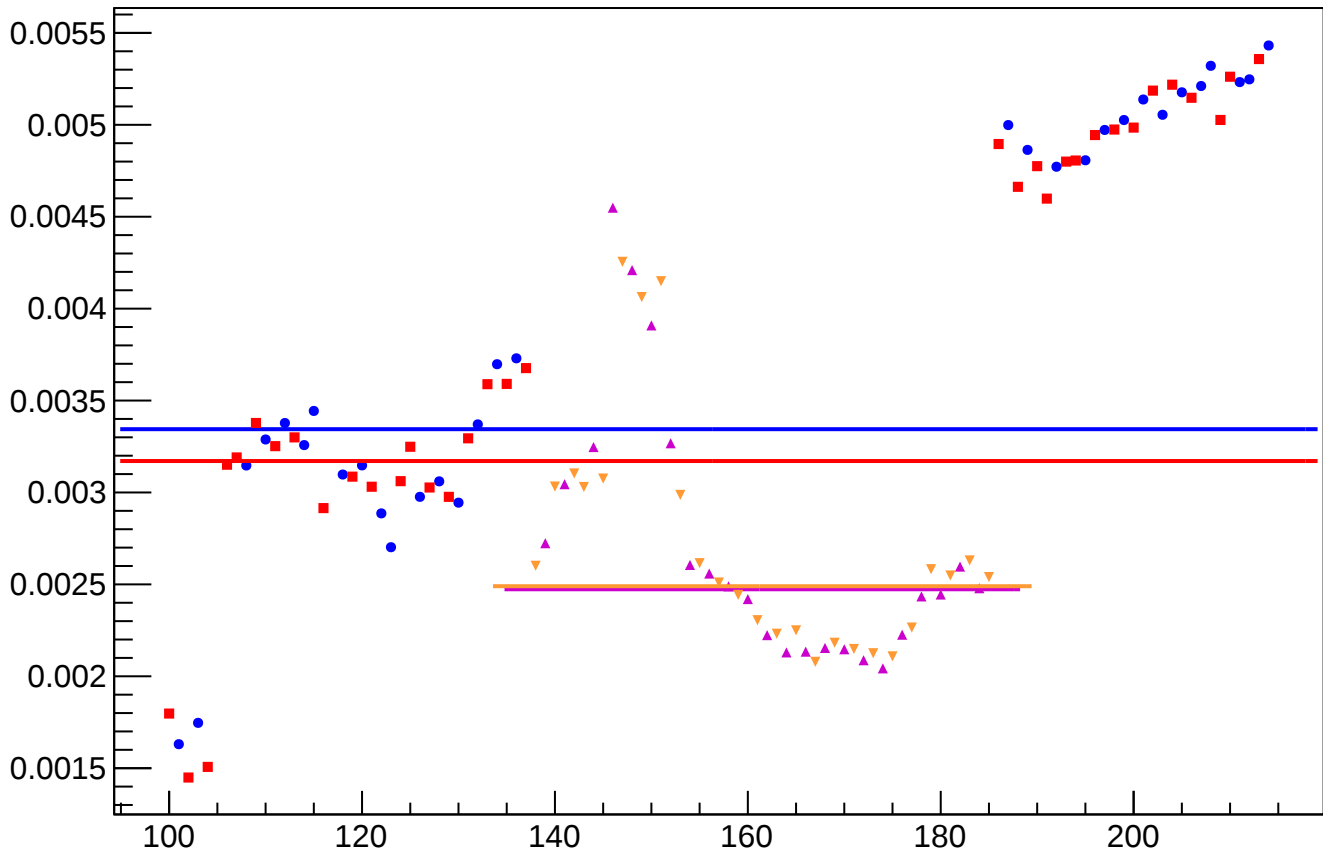
Left In: 0.348 ± 0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.287 ± 0.000 χ^2/NDF : 5314538674704.5/5

All: -0.287 ± 0.000 χ^2/NDF : 1057934929574

- sign -0.288 ± 0.000 χ^2/NDF : 5264809041971.2/50

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 4317860.8/30

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1070282.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 5220375.6/33

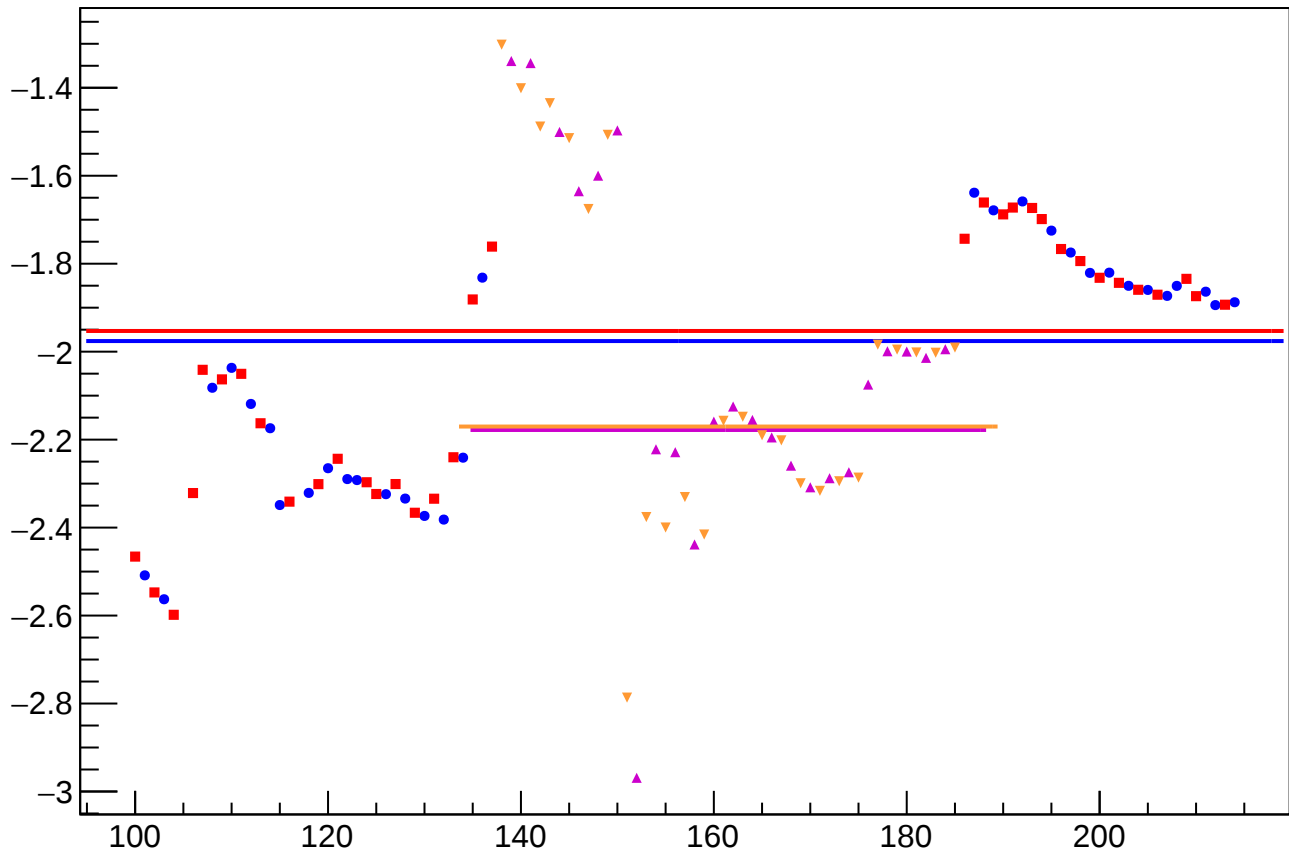
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1135279.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 6608161.2/55

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 13827940.7/112

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 7213188.0/56

yield_bpm0i01aX_mean vs Slug



Right In: -1.976+/-0.000 χ^2 /NDF: 31445408350.2/30

Left Out: -2.170+/-0.000 χ^2 /NDF: 59967315241.9/24

Right Out: -1.953+/-0.000 χ^2 /NDF: 35330349310.6/33

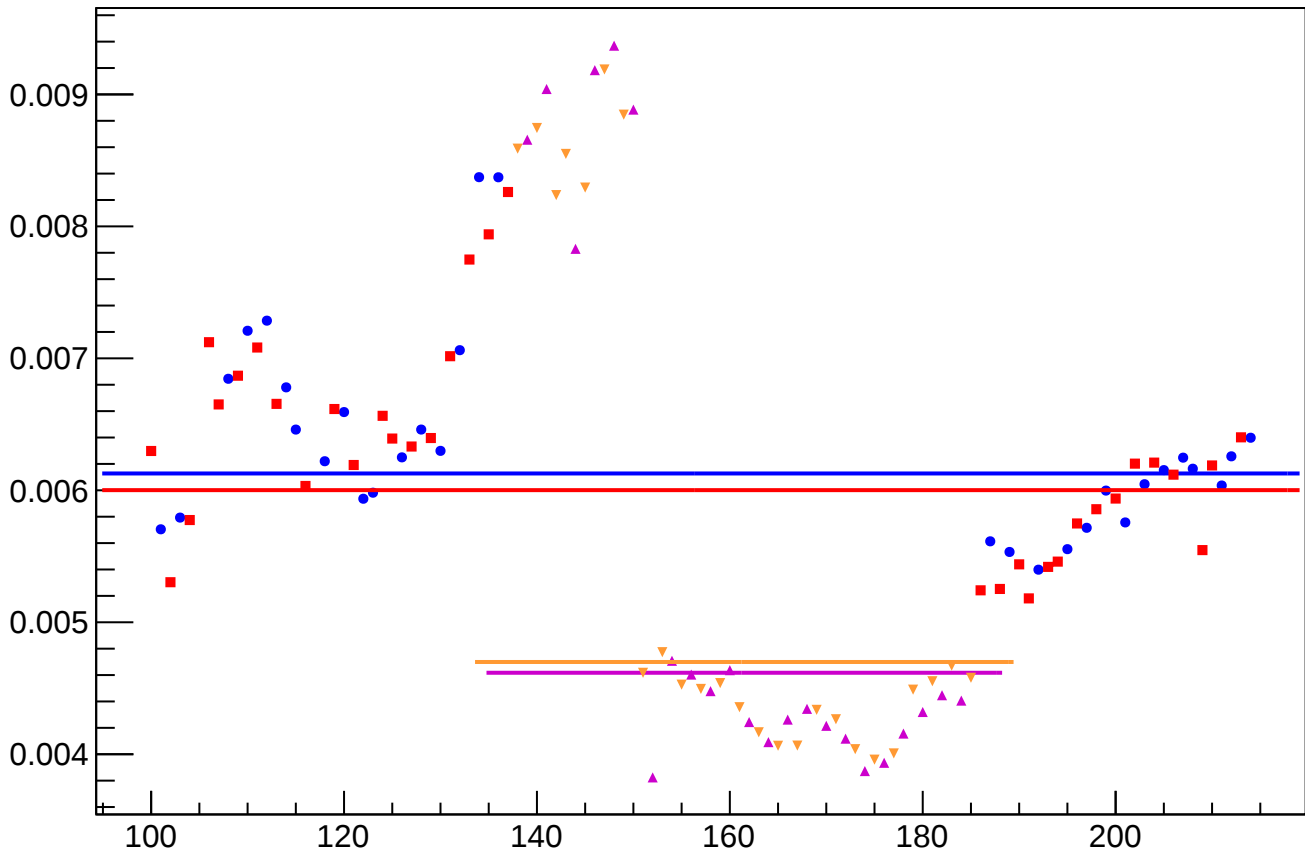
Left In: -2.178+/-0.000 χ^2 /NDF: 73402051113.3/22

+ sign -2.100+/-0.000 χ^2 /NDF: 101777820362.4/55

All: -2.095+/-0.000 χ^2 /NDF: 224916793774.5

- sign -2.091+/-0.000 χ^2 /NDF: 123094030559.3/56

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 306681.3/30

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 370023.1/33

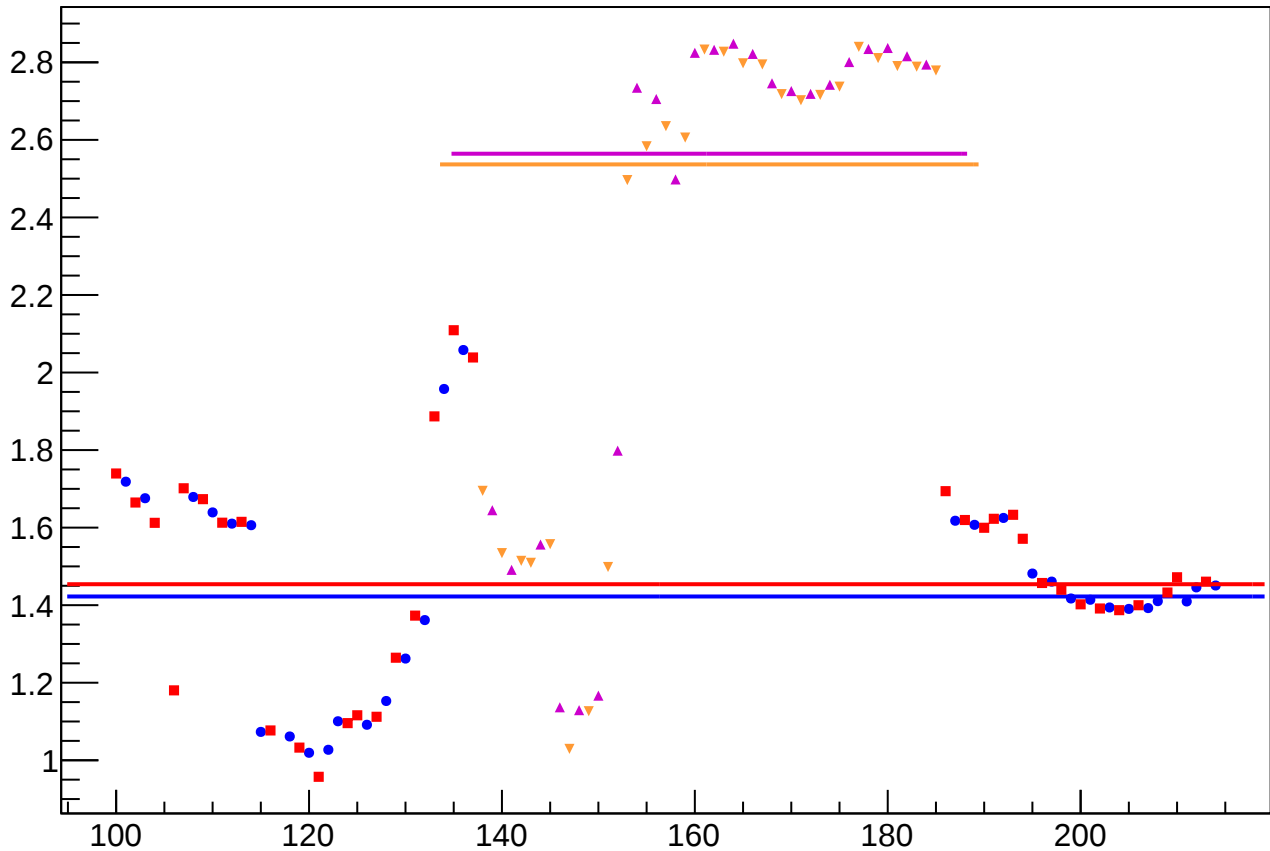
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3746163.7/55

All: 0.005+/-0.000 χ^2/NDF : 7574352.5/112

- sign 0.005+/-0.000 χ^2/NDF : 3823136.8/56

yield_bpm0i01aY_mean vs Slug



Right In: 1.422+/-0.000 χ^2/NDF : 174191333476.3/30

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.454+/-0.000 χ^2/NDF : 177000558058.9/33

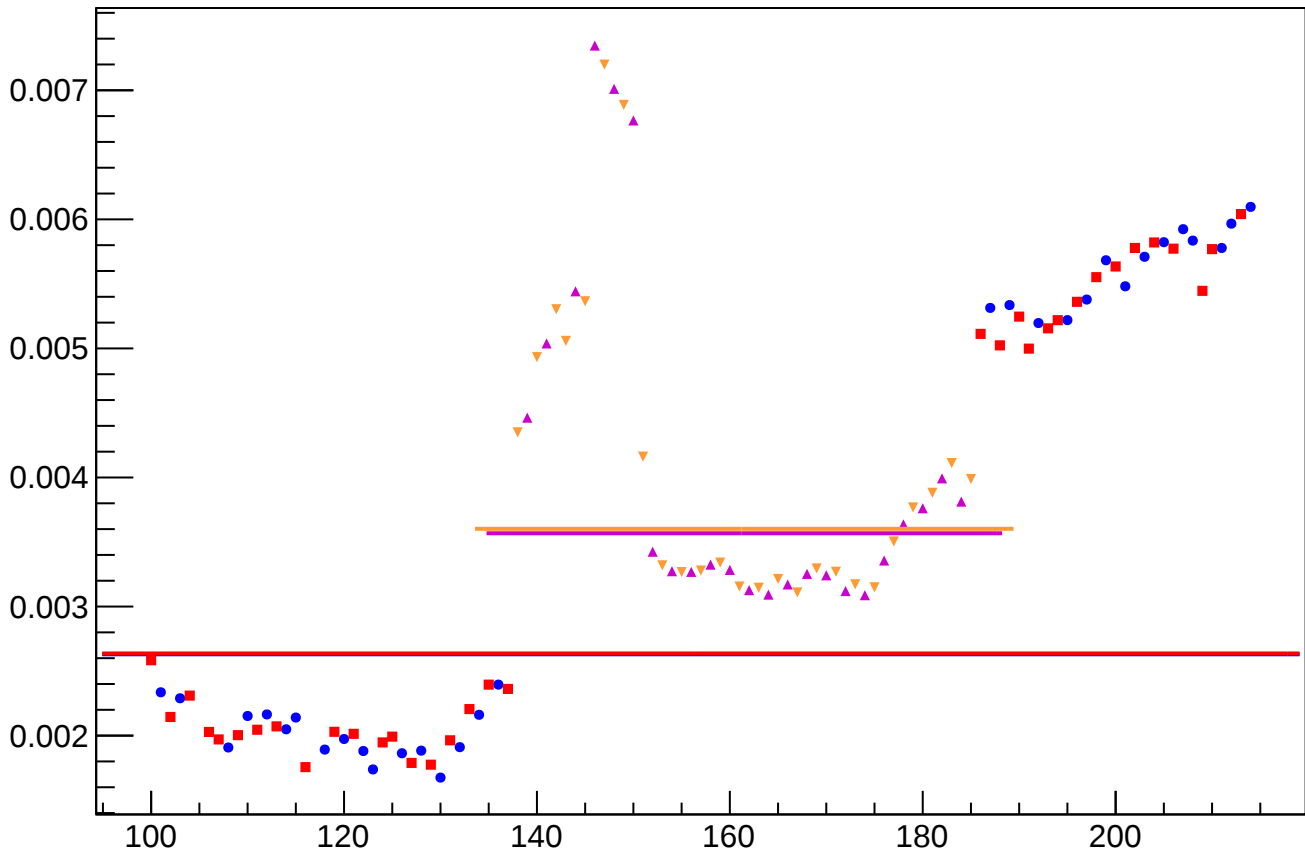
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.883+/-0.000 χ^2/NDF : 1382789349657.1/55

All: 1.885+/-0.000 χ^2/NDF : 2740786017539.1

- sign 1.888+/-0.000 χ^2/NDF : 1357950911131.9/56

yield_bpm0i01aY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 6952474.2/30

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.003+/-0.000 χ^2/NDF : 6729197.3/33

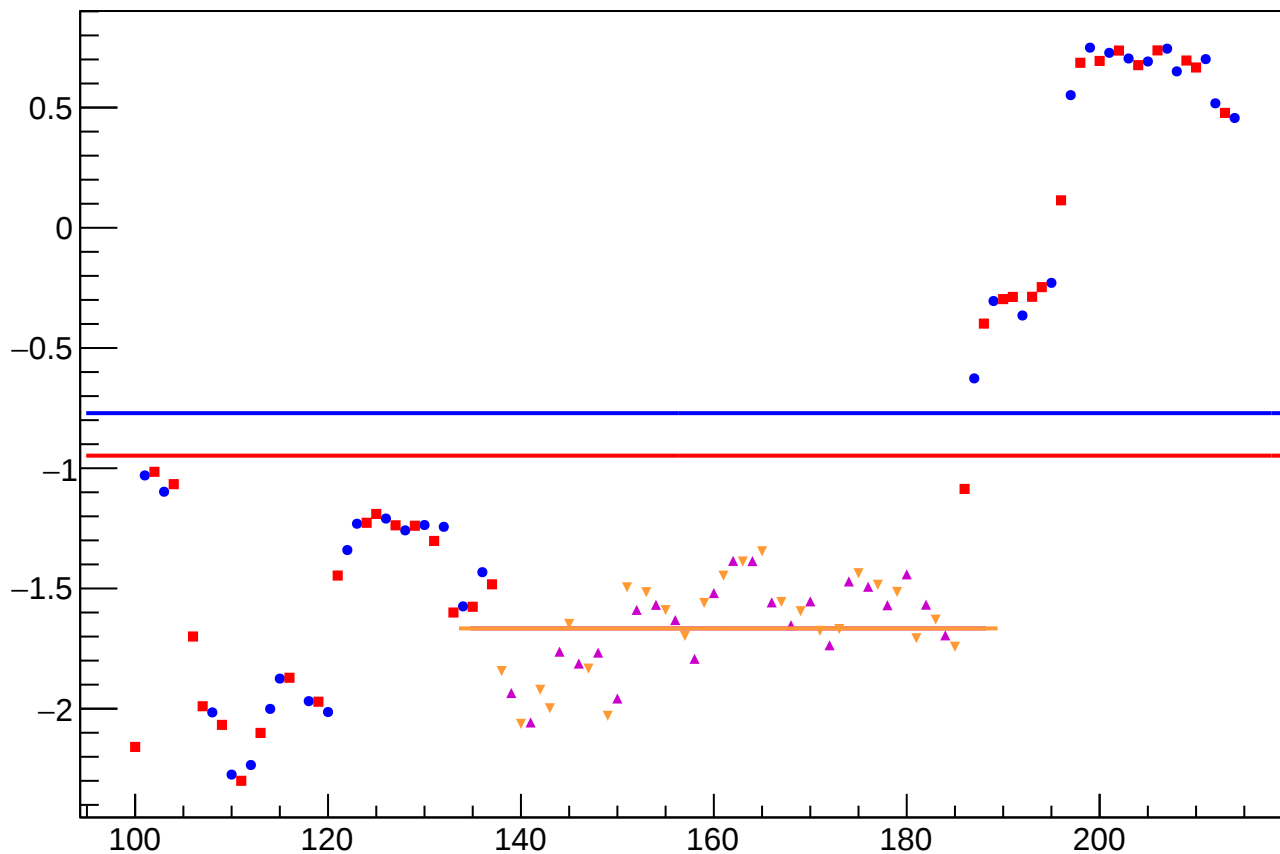
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 9792090.4/55

All: 0.003+/-0.000 χ^2/NDF : 19383466.1/112

- sign 0.003+/-0.000 χ^2/NDF : 9588344.7/56

yield_bpm0l01X_mean vs Slug



Right In: -0.771 ± 0.000 χ^2/NDF : 229133219068.7/30

Left Out: -1.666 ± 0.000 χ^2/NDF : 18325162131.2/24

Right Out: -0.948 ± 0.000 χ^2/NDF : 250548390922.0/33

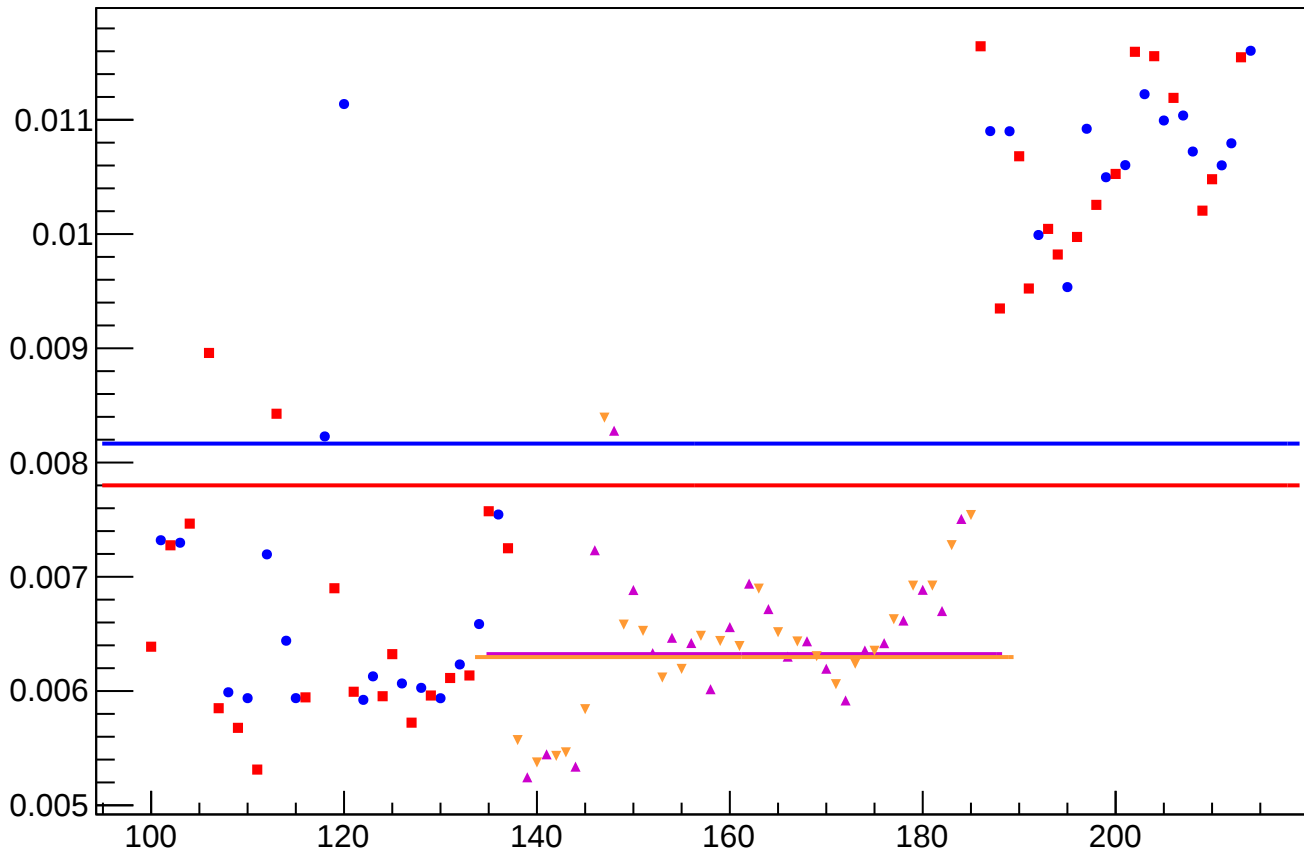
Left In: -1.666 ± 0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.364 ± 0.000 χ^2/NDF : 366469285459.0/55

All: -1.378 ± 0.000 χ^2/NDF : 712527484191.9

- sign -1.391 ± 0.000 χ^2/NDF : 345821454525.2/56

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1995524.2/30

Left Out: 0.006+/-0.000 χ^2/NDF : 310757.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2254205.1/33

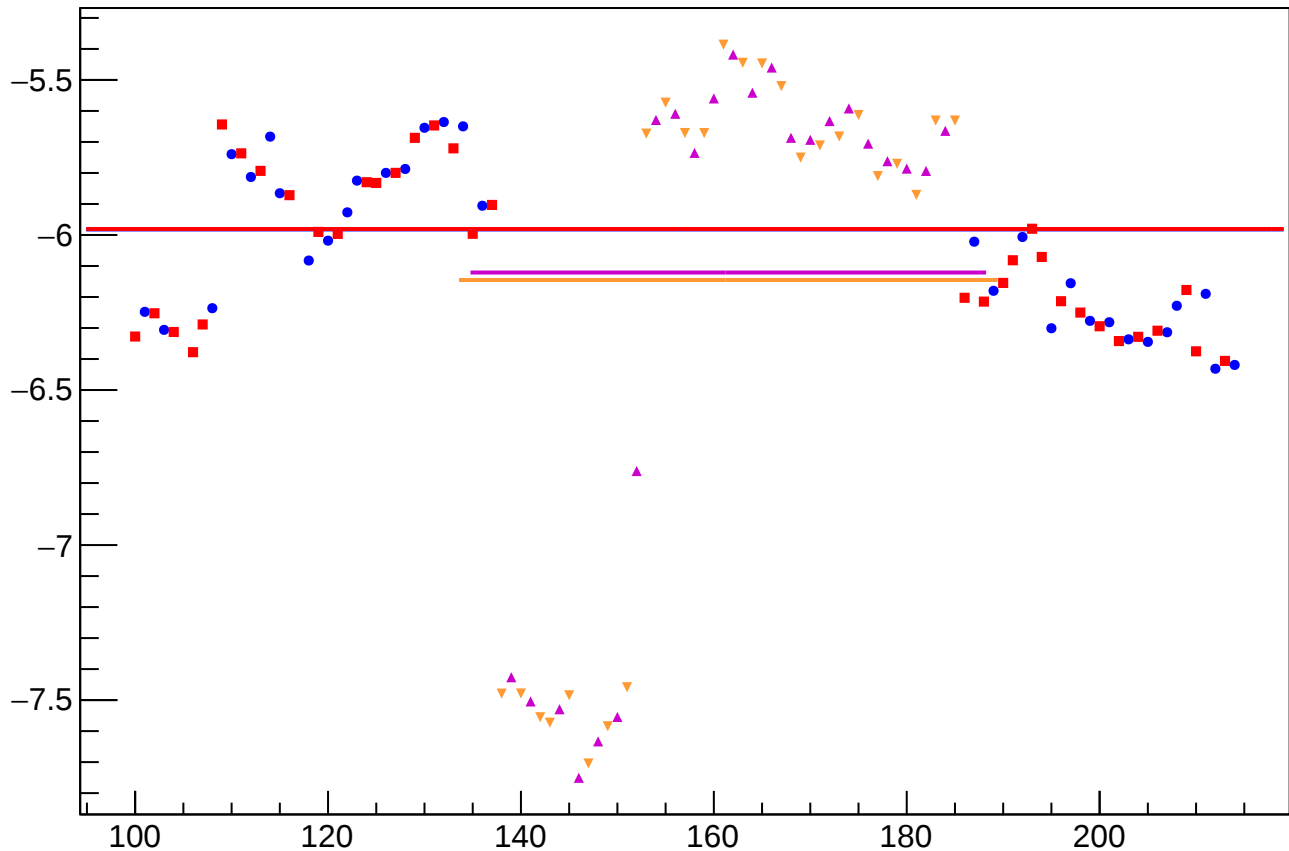
Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 3343314.9/55

All: 0.007+/-0.000 χ^2/NDF : 6613870.1/112

- sign 0.007+/-0.000 χ^2/NDF : 3269572.0/56

yield_bpm0l01Y_mean vs Slug



Right In: -5.982 ± 0.000 $\chi^2/\text{NDF}: 16831399164.2/30$

Left Out: -6.145 ± 0.000 $\chi^2/\text{NDF}: 185364150237.7/24$

Right Out: -5.981 ± 0.000 $\chi^2/\text{NDF}: 17717423760.2/33$

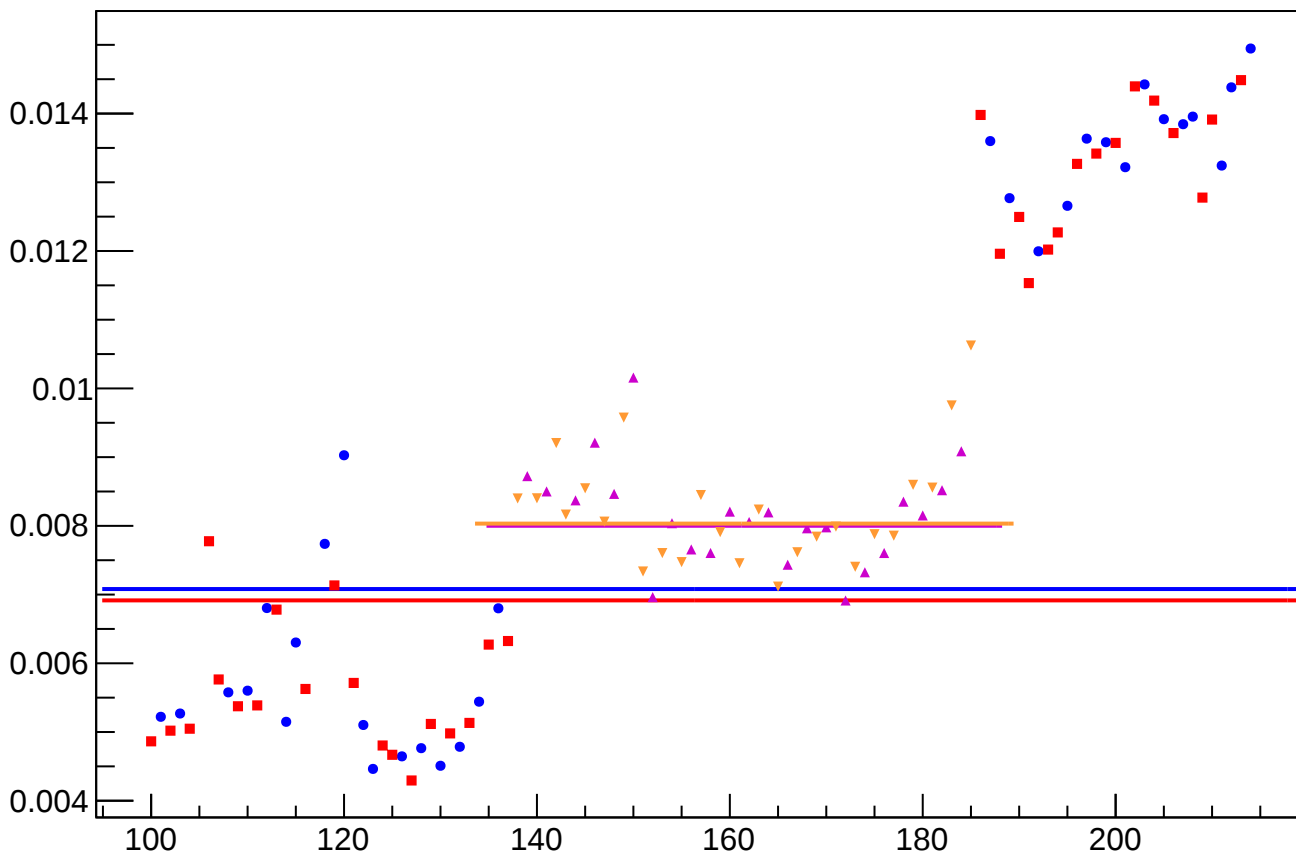
Left In: -6.121 ± 0.000 $\chi^2/\text{NDF}: 158315913062.3/22$

+ sign -6.064 ± 0.000 $\chi^2/\text{NDF}: 205598543810.1/55$

All: -6.055 ± 0.000 $\chi^2/\text{NDF}: 384292406186.6$

- sign -6.046 ± 0.000 $\chi^2/\text{NDF}: 178614668043.4/56$

yield_bpm0l01Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 5923905.1/30

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205762.2/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 5796891.7/33

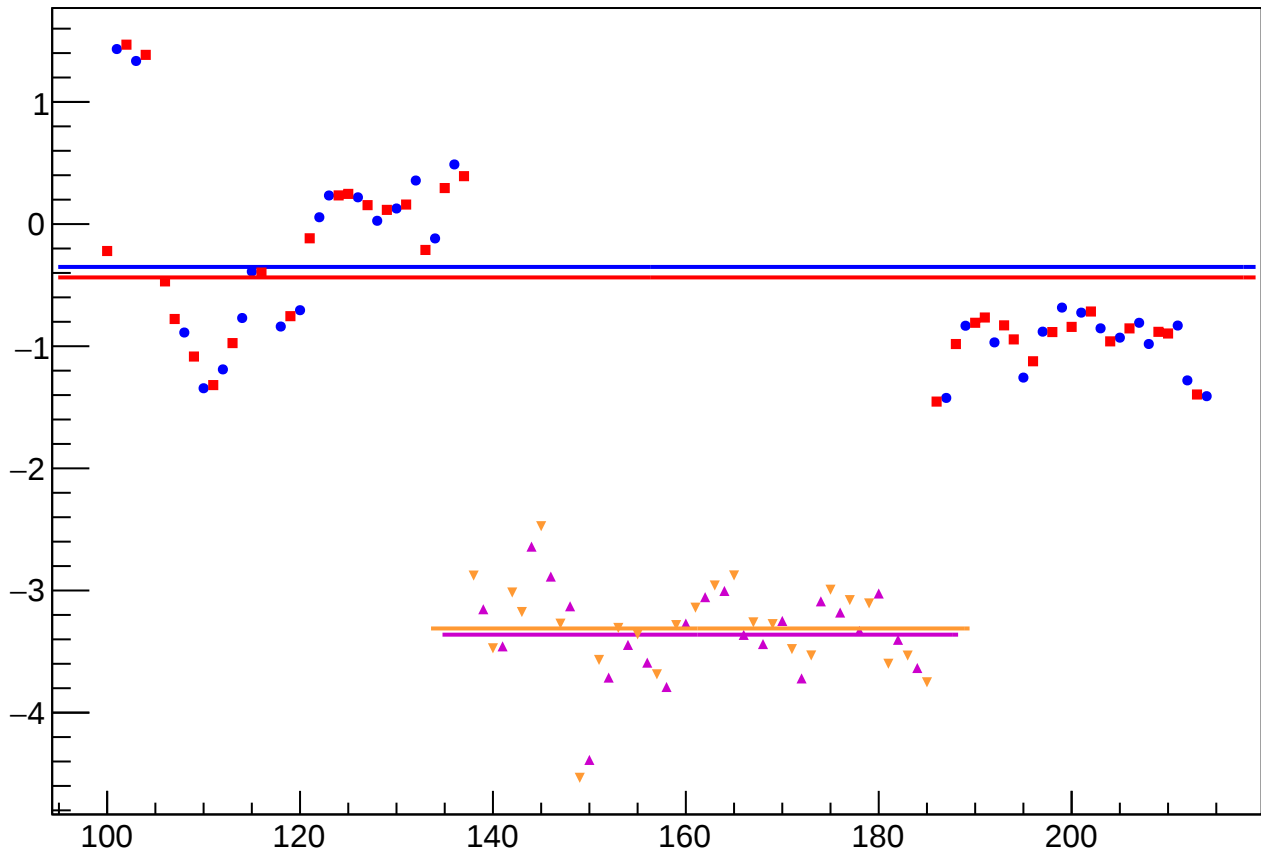
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220756.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6361761.8/55

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 12697718.2/112

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 6326643.0/56

yield_bpm0l02X_mean vs Slug



Right In: -0.351 ± 0.000 χ^2/NDF : 35639864491.3/30

Left Out: -3.311 ± 0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.437 ± 0.000 χ^2/NDF : 34911855017.5/33

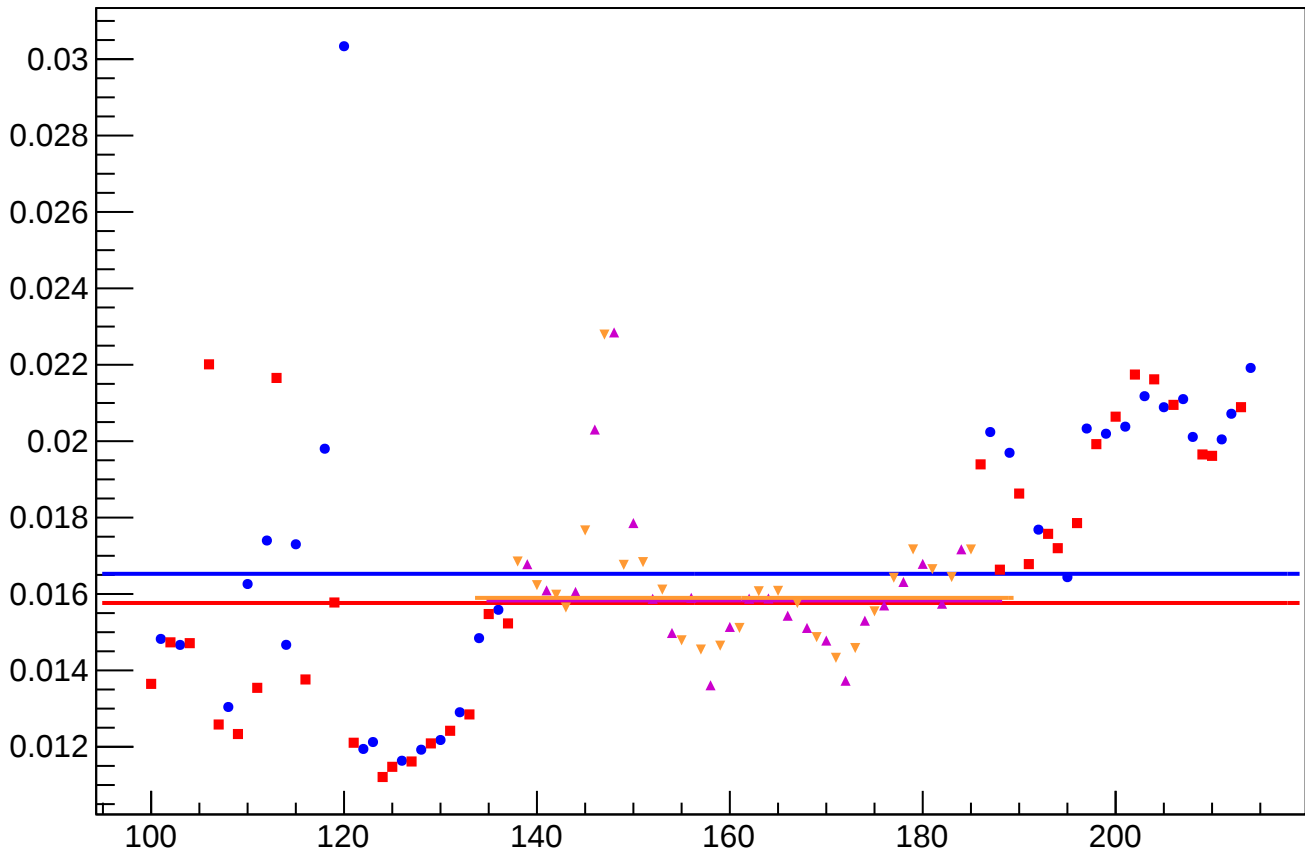
Left In: -3.362 ± 0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.001 ± 0.000 χ^2/NDF : 316051069558.9/55

All: -1.964 ± 0.000 χ^2/NDF : 637290854200.5

- sign -1.928 ± 0.000 χ^2/NDF : 320897077384.2/56

yield_bpm0l02X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 1480013.1/30

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.016+/-0.000 χ^2/NDF : 1478469.8/33

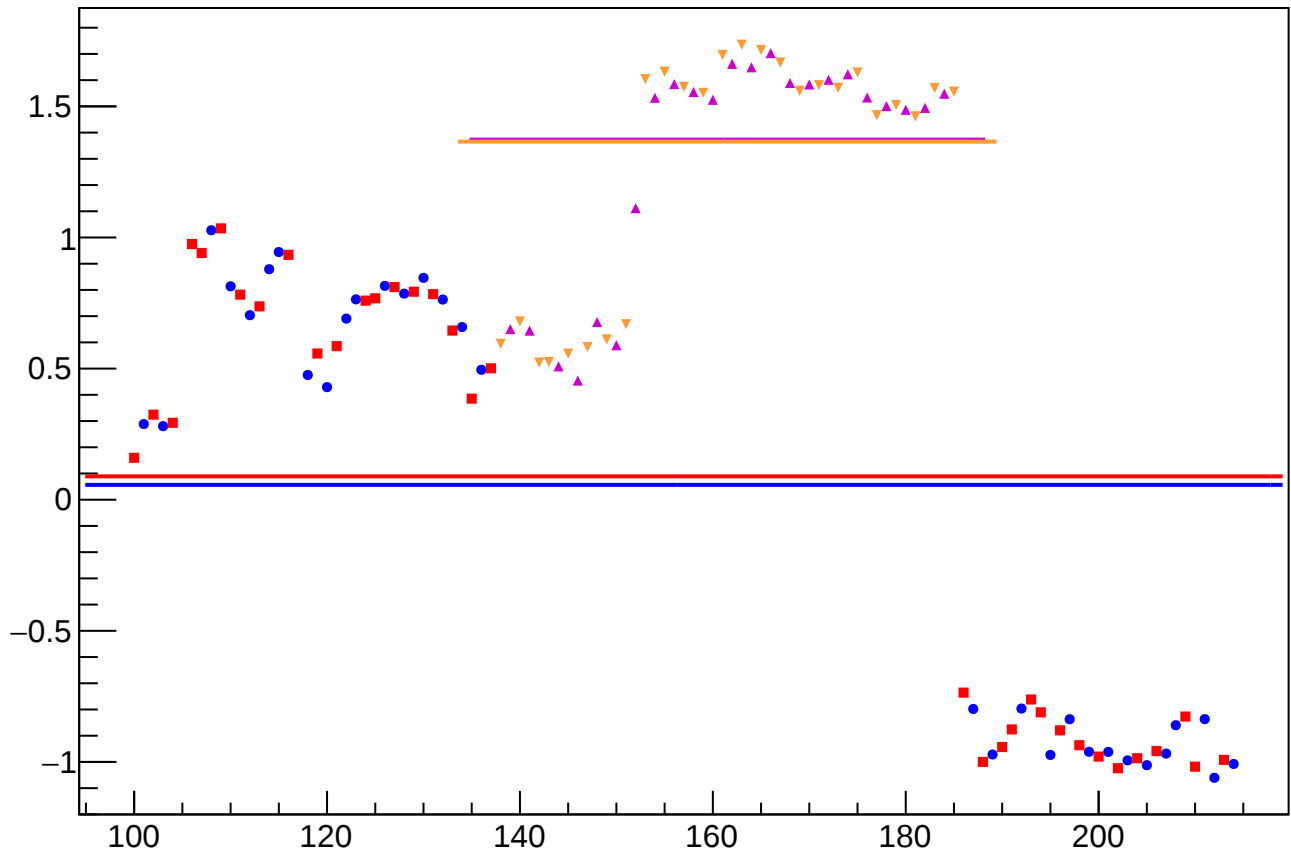
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 1756479.4/55

All: 0.016+/-0.000 χ^2/NDF : 3593068.0/112

- sign 0.016+/-0.000 χ^2/NDF : 1818293.0/56

yield_bpm0l02Y_mean vs Slug



Right In: 0.057 $\pm$ 0.000 χ^2 /NDF: 88411353635.6/30

Left Out: 1.366 $\pm$ 0.000 χ^2 /NDF: 74741956067.9/24

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 96749521168.5/33

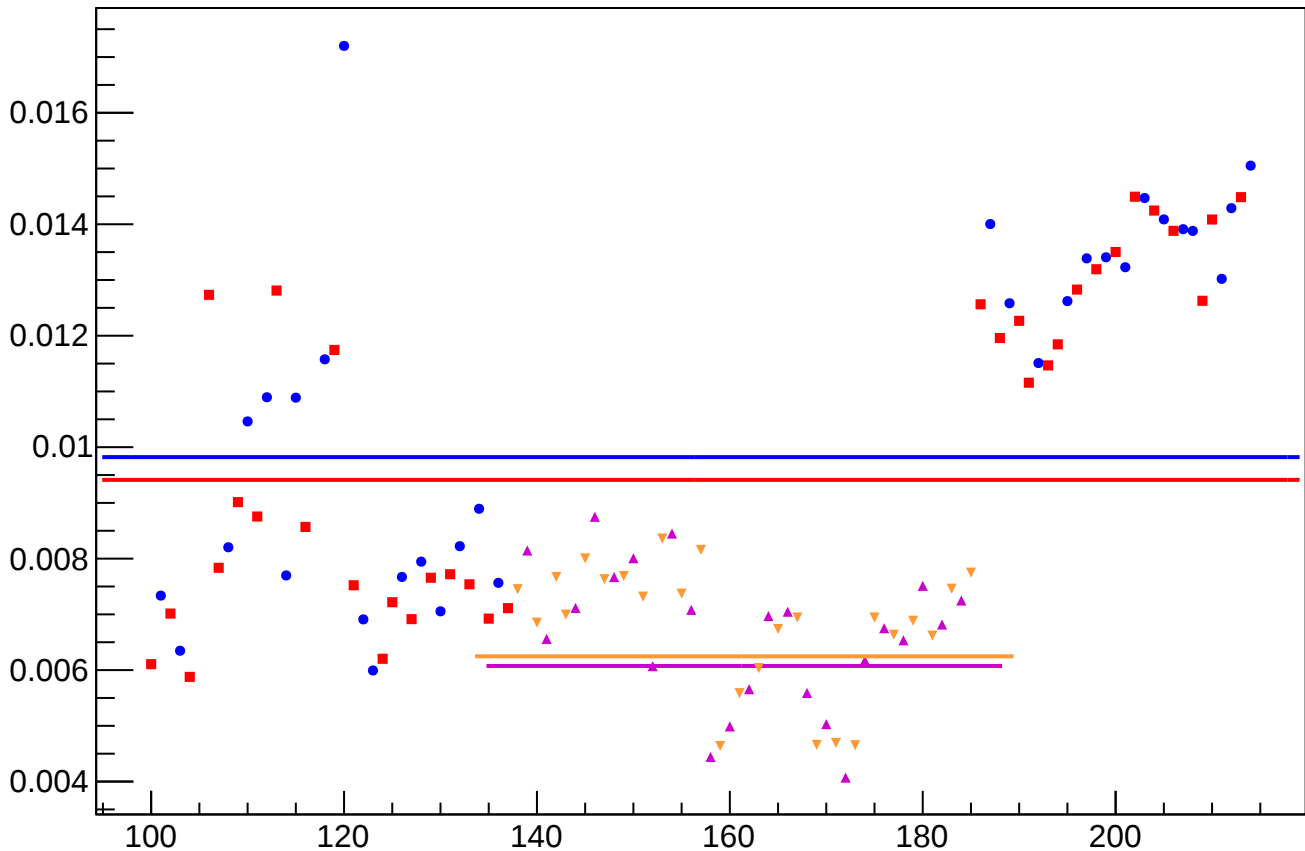
Left In: 1.373 $\pm$ 0.000 χ^2 /NDF: 63413151416.3/22

+ sign 1.026 $\pm$ 0.000 χ^2 /NDF: 352201924567.1/55

All: 1.019 $\pm$ 0.000 χ^2 /NDF: 710446072560.7

- sign 1.012 $\pm$ 0.000 χ^2 /NDF: 358185650492.5/56

yield_bpm0l02Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 2685305.5/30

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2741334.6/33

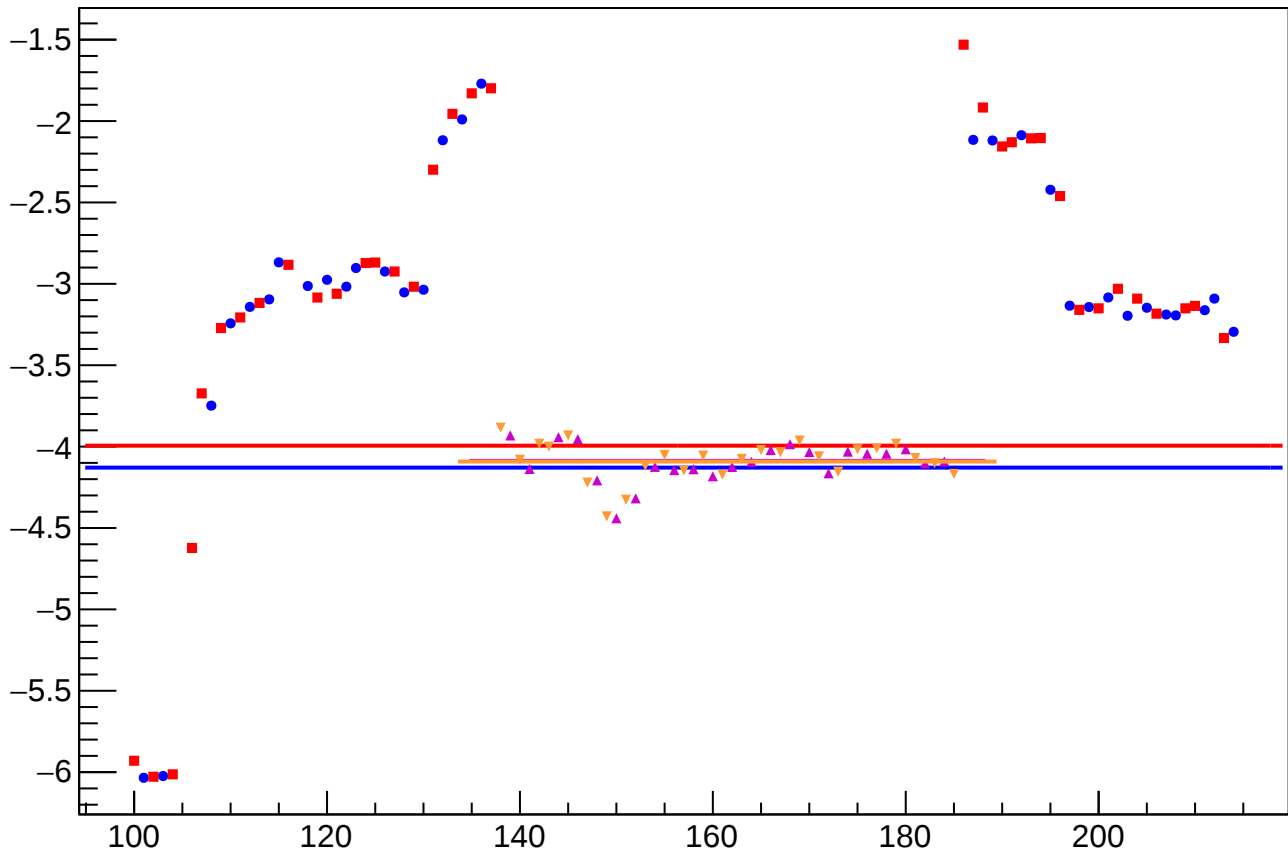
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 6835681.6/55

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 13701889.9/112

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 6851128.9/56

yield_bpm0l03X_mean vs Slug



Right In: -4.129+/-0.000 χ^2/NDF : 285520559198.0/30

Left Out: -4.092+/-0.000 χ^2/NDF : 39806766.7/24

Right Out: -3.994+/-0.000 χ^2/NDF : 275549758128.6/33

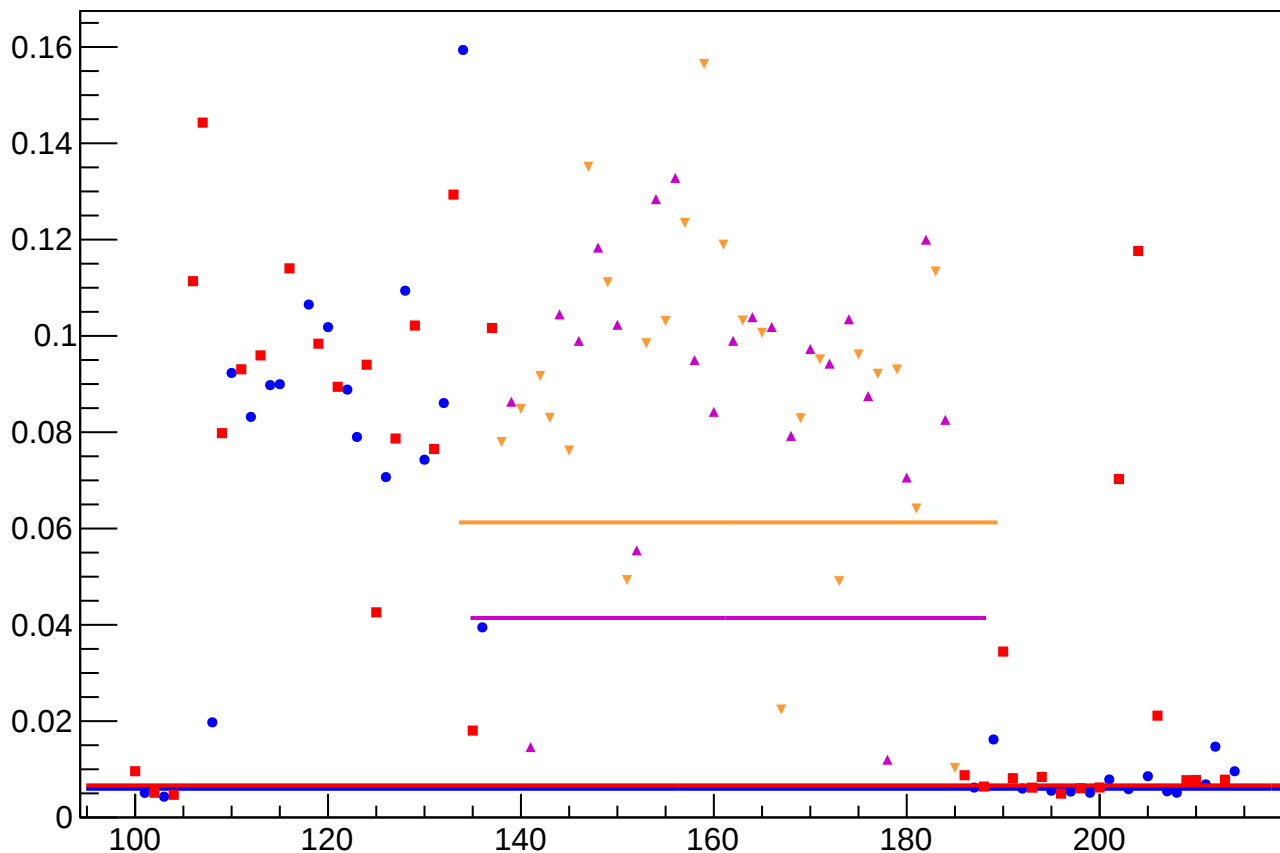
Left In: -4.088+/-0.000 χ^2/NDF : 34412880.7/22

+ sign -4.128+/-0.000 χ^2/NDF : 285564369001.4/55

All: -4.072+/-0.000 χ^2/NDF : 562069081047.1

- sign -3.999+/-0.000 χ^2/NDF : 275619670645.0/56

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8234782.9/30

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 10357194.1/33

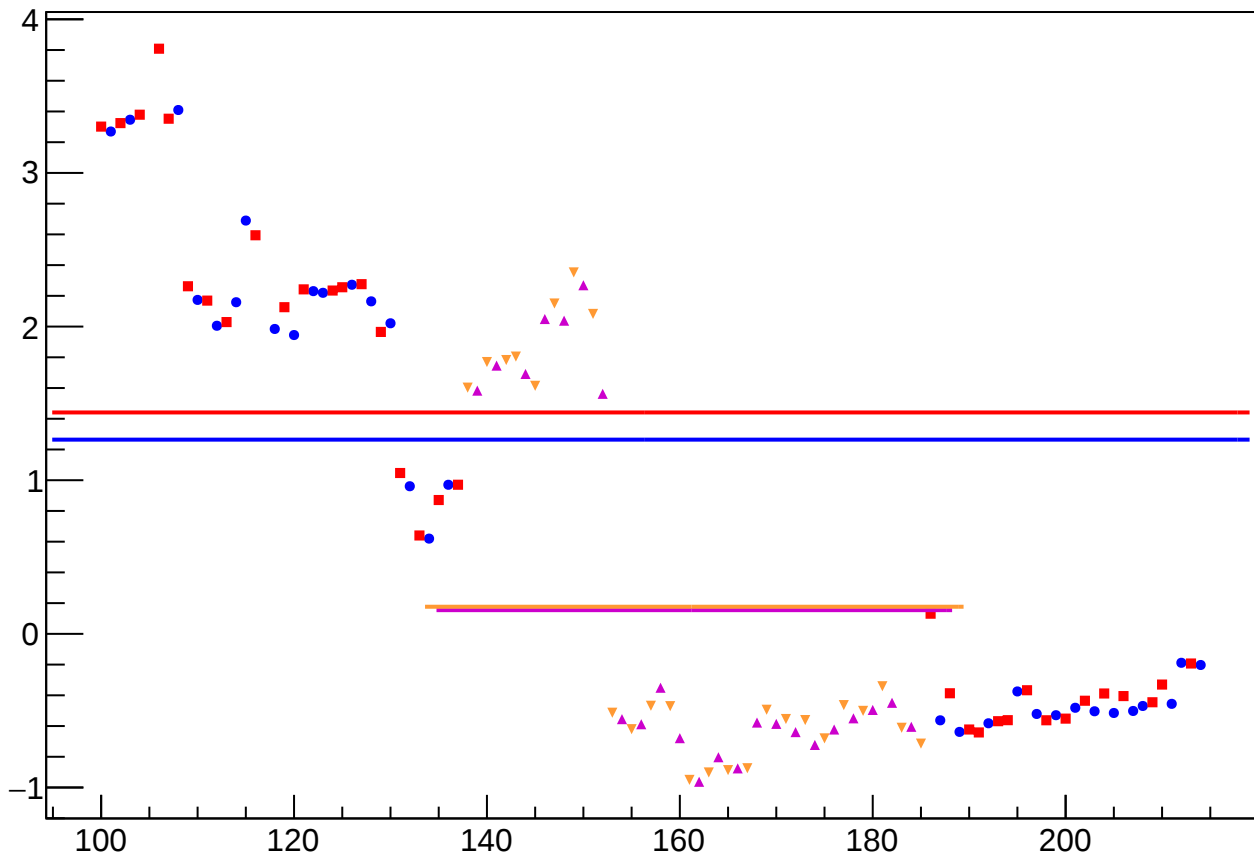
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 34223467.4/55

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 67635422.5/112

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33314900.4/56

yield_bpm0l03Y_mean vs Slug



Right In: 1.264 $\pm$ 0.000 χ^2 /NDF: 218459386326.1/30

Left Out: 0.177 $\pm$ 0.000 χ^2 /NDF: 3275313367.7/24

Right Out: 1.441 $\pm$ 0.000 χ^2 /NDF: 185866200129.3/33

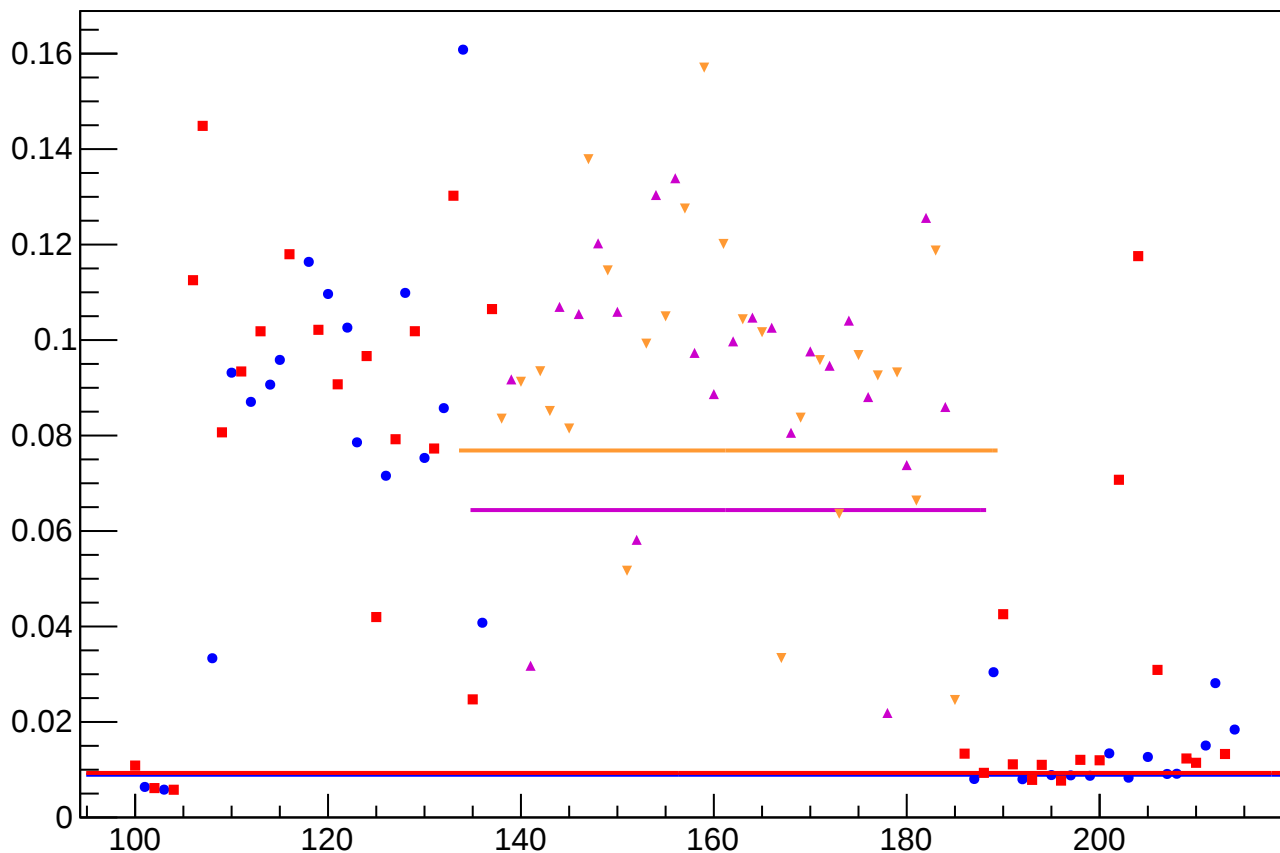
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF: 3163553595.0/22

+ sign 1.225 $\pm$ 0.000 χ^2 /NDF: 224320716077.9/55

All: 1.298 $\pm$ 0.000 χ^2 /NDF: 418138317027.4

- sign 1.381 $\pm$ 0.000 χ^2 /NDF: 193101158556.5/56

yield_bpm0l03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 8483260.8/30

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:4217954.3/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 10383715.6/33

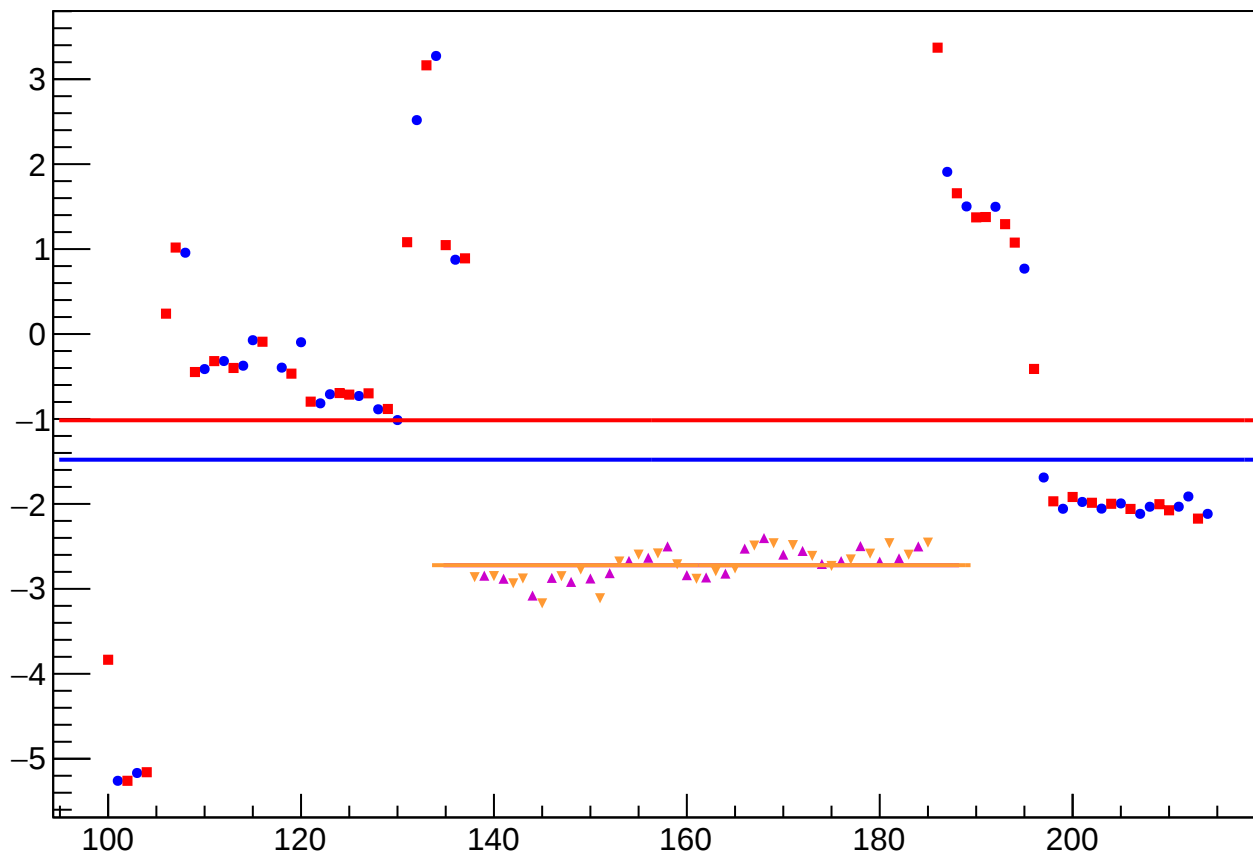
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 32874591.2/55

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 65175462.4/112

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32284148.4/56

yield_bpm0l04X_mean vs Slug



Right In: -1.479+/-0.000 χ^2 /NDF: 207584022974.1/30

Left Out: -2.721+/-0.000 χ^2 /NDF:10397156971.6/24

Right Out: -1.015+/-0.000 χ^2 /NDF: 240855138227.2/33

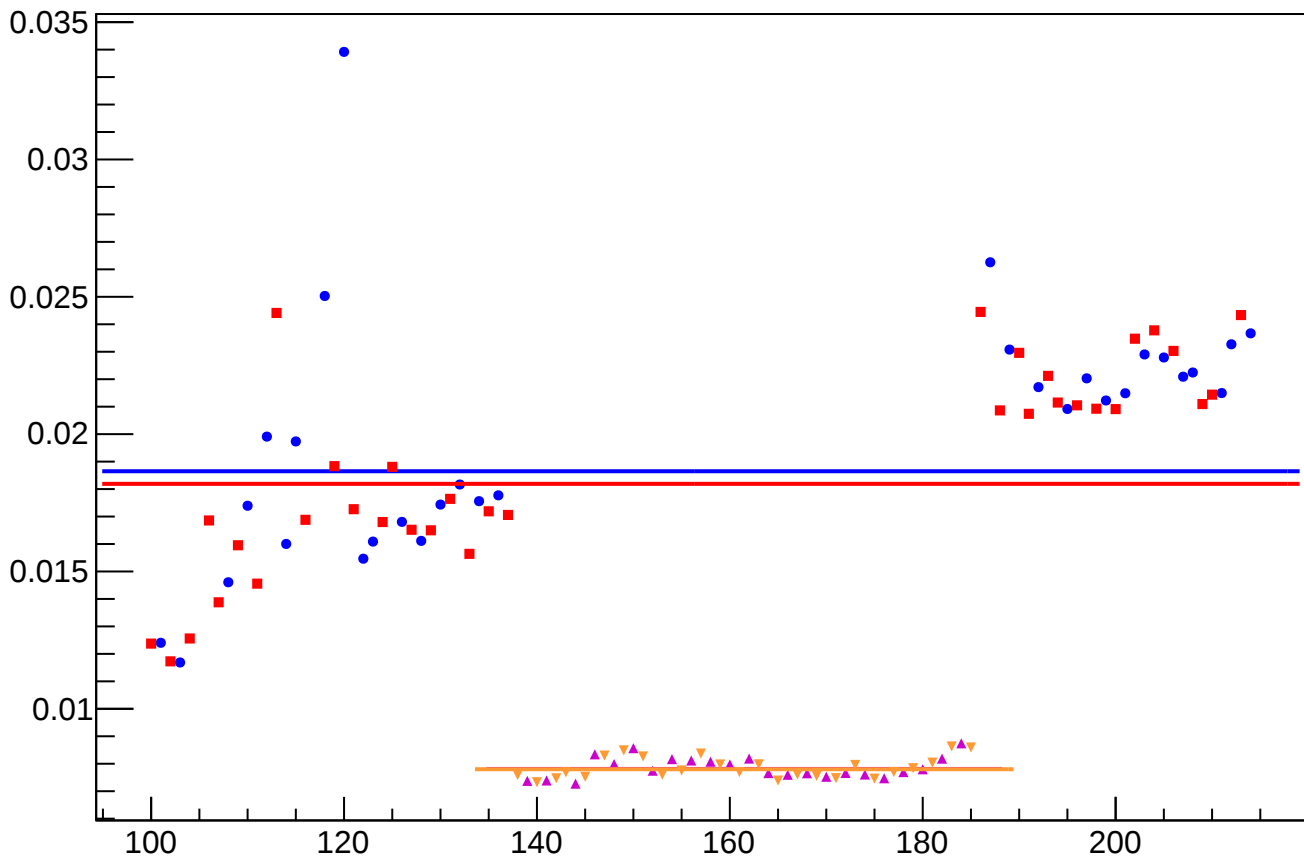
Left In: -2.722+/-0.000 χ^2 /NDF:8146484592.1/22

+ sign -2.562+/-0.000 χ^2 /NDF: 275360523833.8/55

All: -2.519+/-0.000 χ^2 /NDF: 642033475129.1

- sign -2.473+/-0.000 χ^2 /NDF: 365361294083.1/56

yield_bpm0l04X_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1511768.6/30

Left Out: 0.008+/-0.000 χ^2/NDF : 71164.4/24

Right Out: 0.018+/-0.000 χ^2/NDF : 1395733.2/33

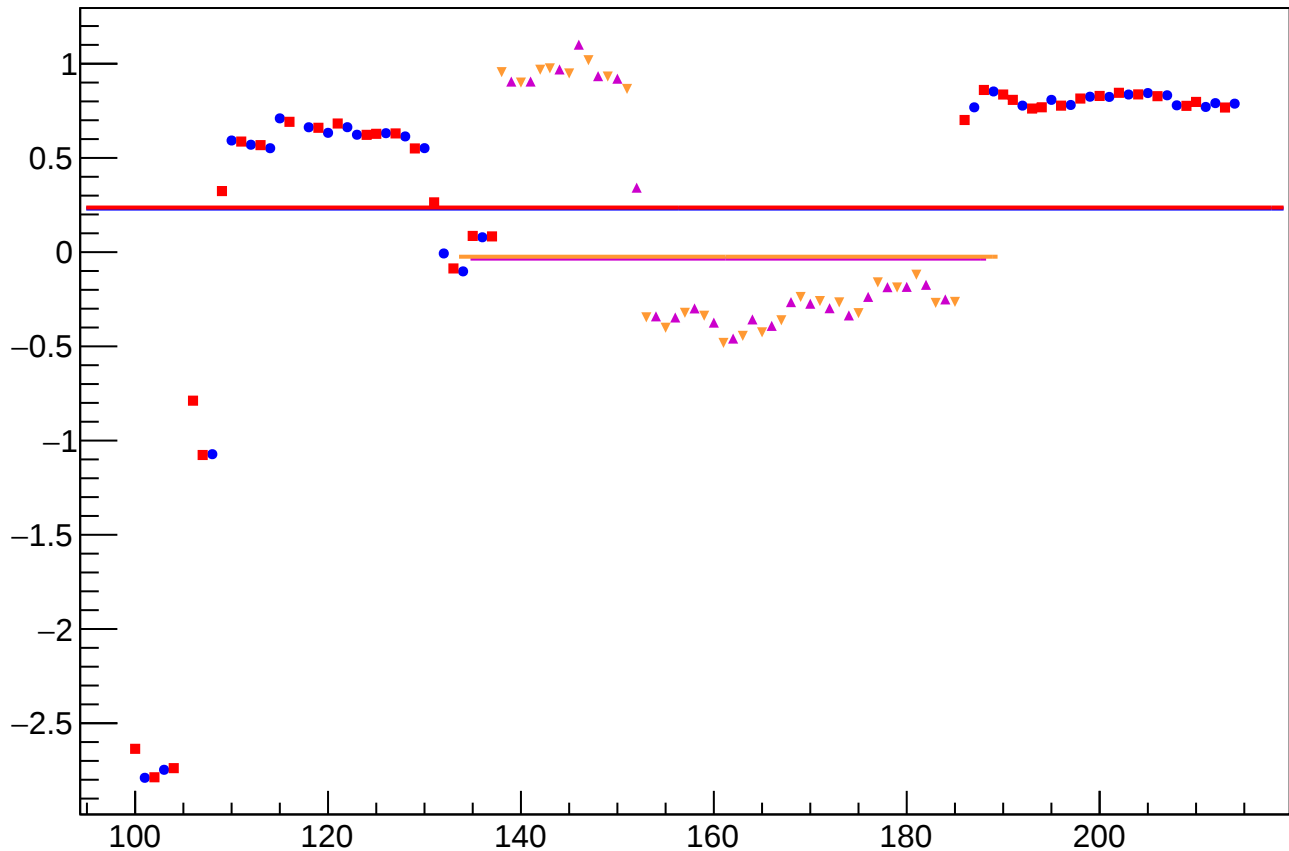
Left In: 0.008+/-0.000 χ^2/NDF : 67610.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 10342122.1/55

All: 0.009+/-0.000 χ^2/NDF : 20419972.3/112

- sign 0.009+/-0.000 χ^2/NDF : 10071643.8/56

yield_bpm0l04Y_mean vs Slug



Right In: 0.231 $\pm$ 0.000 χ^2 /NDF: 894642075941.8/30

Left Out: -0.024 $\pm$ 0.000 χ^2 /NDF: 135451649275.0/24

Right Out: 0.237 $\pm$ 0.000 χ^2 /NDF: 949897077042.2/33

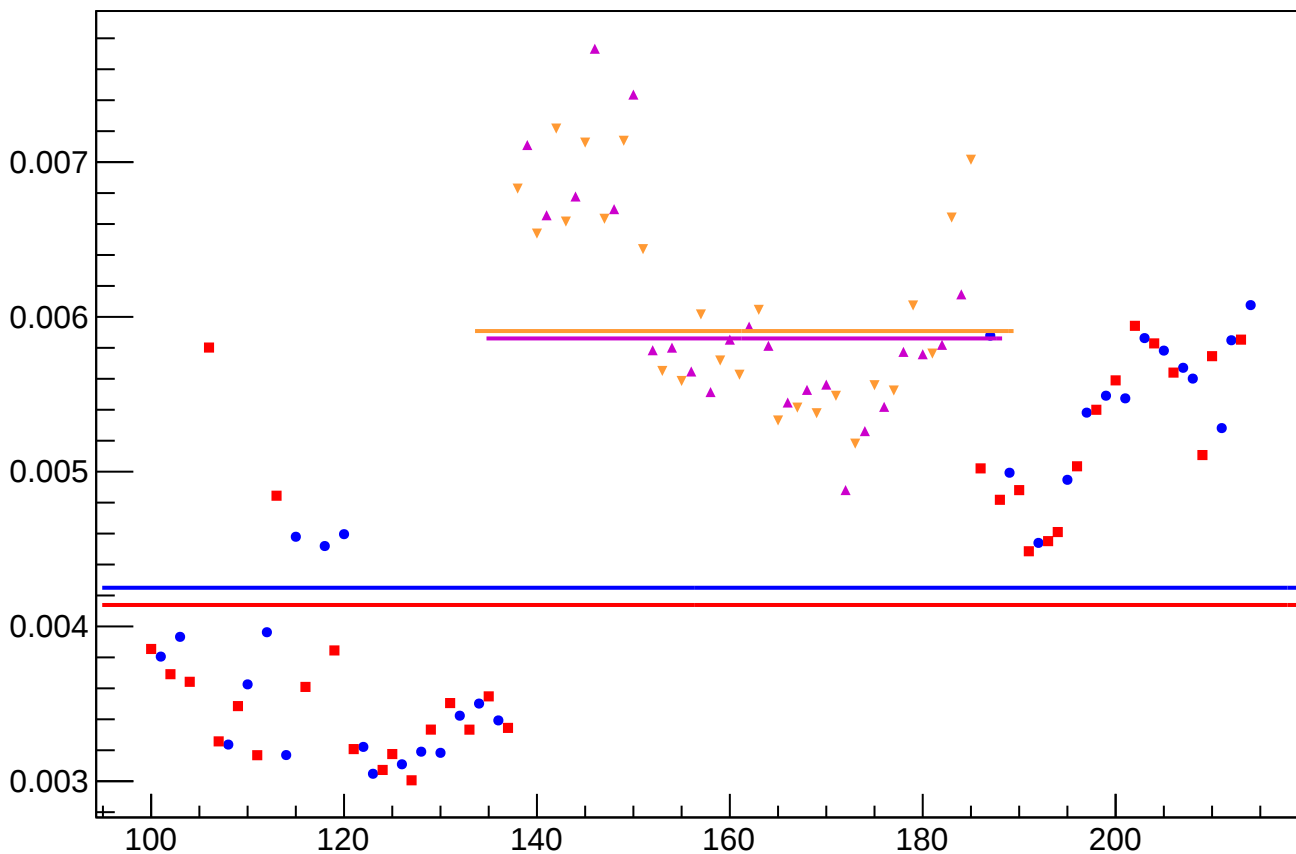
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF: 113929060918.1/22

+ sign 0.138 $\pm$ 0.000 χ^2 /NDF: 1050109175209.0/55

All: 0.142 $\pm$ 0.000 χ^2 /NDF: 2136694659669.0/110

- sign 0.146 $\pm$ 0.000 χ^2 /NDF: 1086547635486.3/56

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1725749.2/30

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1676173.9/33

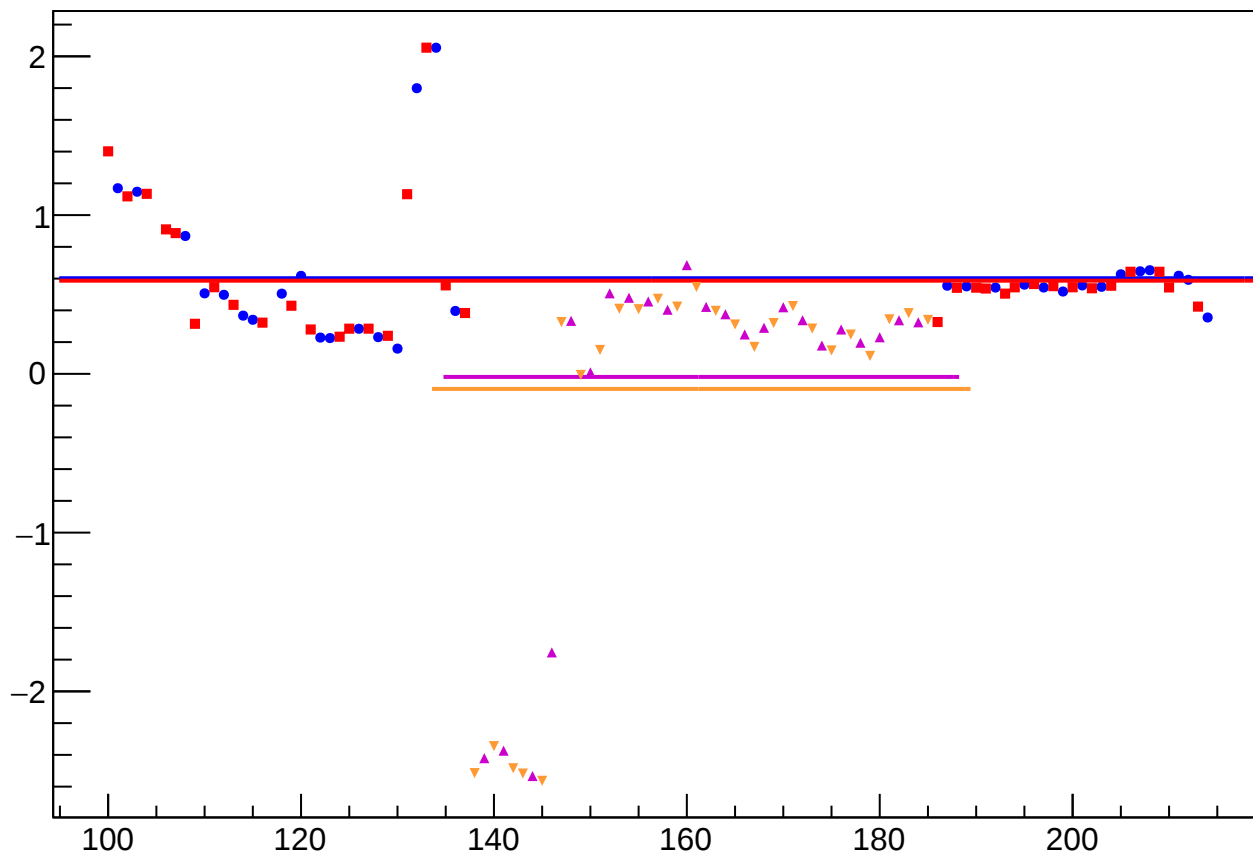
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3728128.1/55

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 7627029.2/112

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3873619.8/56

yield_bpm0l05X_mean vs Slug



Right In: 0.602 $\pm$ 0.000 χ^2 /NDF: 43565564909.0/30

Left Out: -0.095 $\pm$ 0.000 χ^2 /NDF: 505606573631.9/24

Right Out: 0.587 $\pm$ 0.000 χ^2 /NDF: 47631291176.9/33

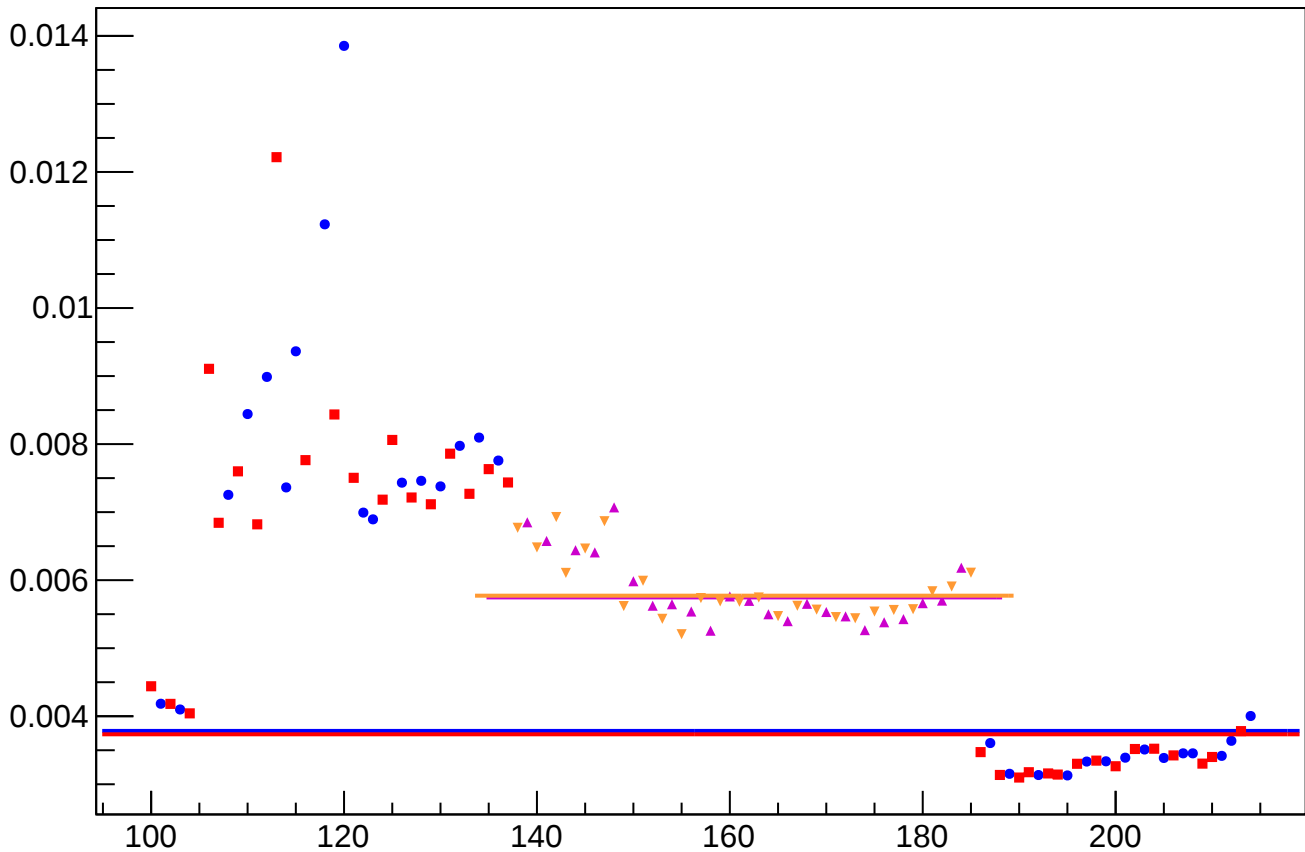
Left In: -0.019 $\pm$ 0.000 χ^2 /NDF: 417104863944.5/22

+ sign 0.361 $\pm$ 0.000 χ^2 /NDF: 713136473343.2/55

All: 0.377 $\pm$ 0.000 χ^2 /NDF: 1301946087588.

- sign 0.393 $\pm$ 0.000 χ^2 /NDF: 588060951263.4/56

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 3150008.4/30

Left Out: 0.006+/-0.000 χ^2/NDF :177680.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 3193455.4/33

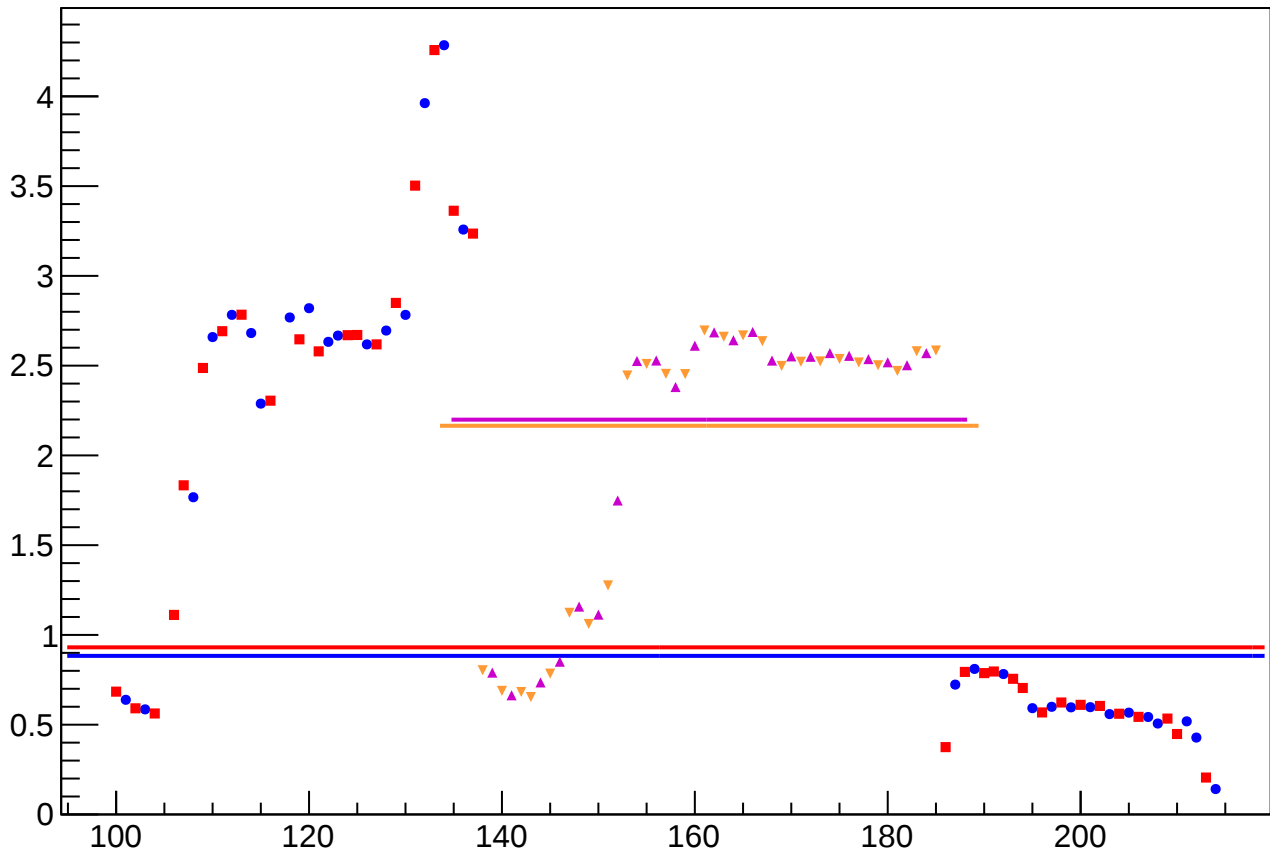
Left In: 0.006+/-0.000 χ^2/NDF :204066.4/22

+ sign 0.004+/-0.000 χ^2/NDF : 5993382.8/55

All: 0.004+/-0.000 χ^2/NDF : 12119556.8/112

- sign 0.004+/-0.000 χ^2/NDF : 6113331.4/56

yield_bpm0l05Y_mean vs Slug



Right In: 0.883+/-0.000 χ^2/NDF : 318837974513.4/30

Left Out: 2.165+/-0.000 χ^2/NDF : 292800056899.6/24

Right Out: 0.931+/-0.000 χ^2/NDF : 363286686893.6/33

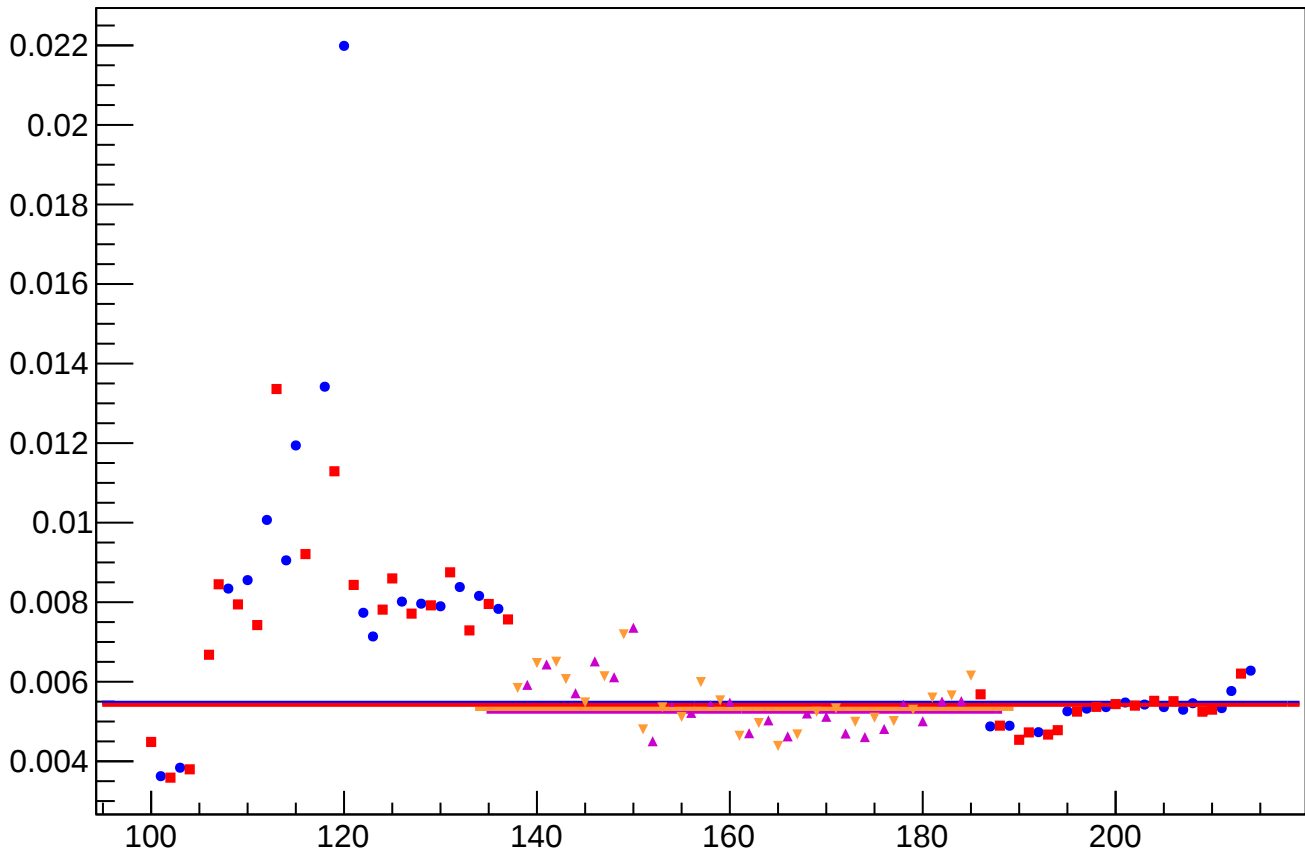
Left In: 2.199+/-0.000 χ^2/NDF : 253166239065.4/22

+ sign 1.587+/-0.000 χ^2/NDF : 1046759935618.9/55

All: 1.593+/-0.000 χ^2/NDF : 2099066019494.6

- sign 1.599+/-0.000 χ^2/NDF : 1052232032701.0/56

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2037241.2/30

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1903128.6/33

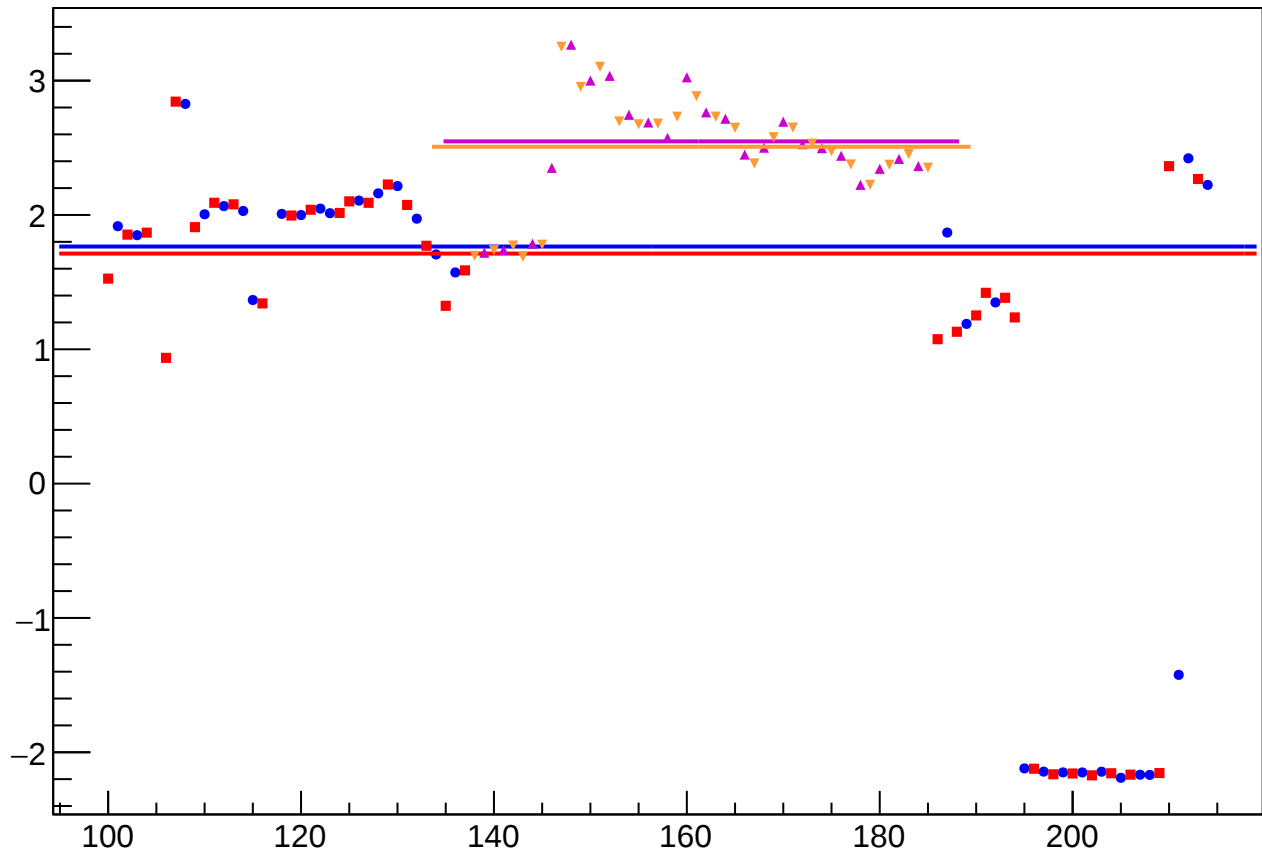
Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2449031.8/55

All: 0.005+/-0.000 χ^2/NDF : 4798054.6/112

- sign 0.005+/-0.000 χ^2/NDF : 2345402.5/56

yield_bpm0l06X_mean vs Slug



Right In: 1.765 $\pm$ 0.000 χ^2 /NDF: 161913642755.9/30

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.713 $\pm$ 0.000 χ^2 /NDF: 143787934785.4/33

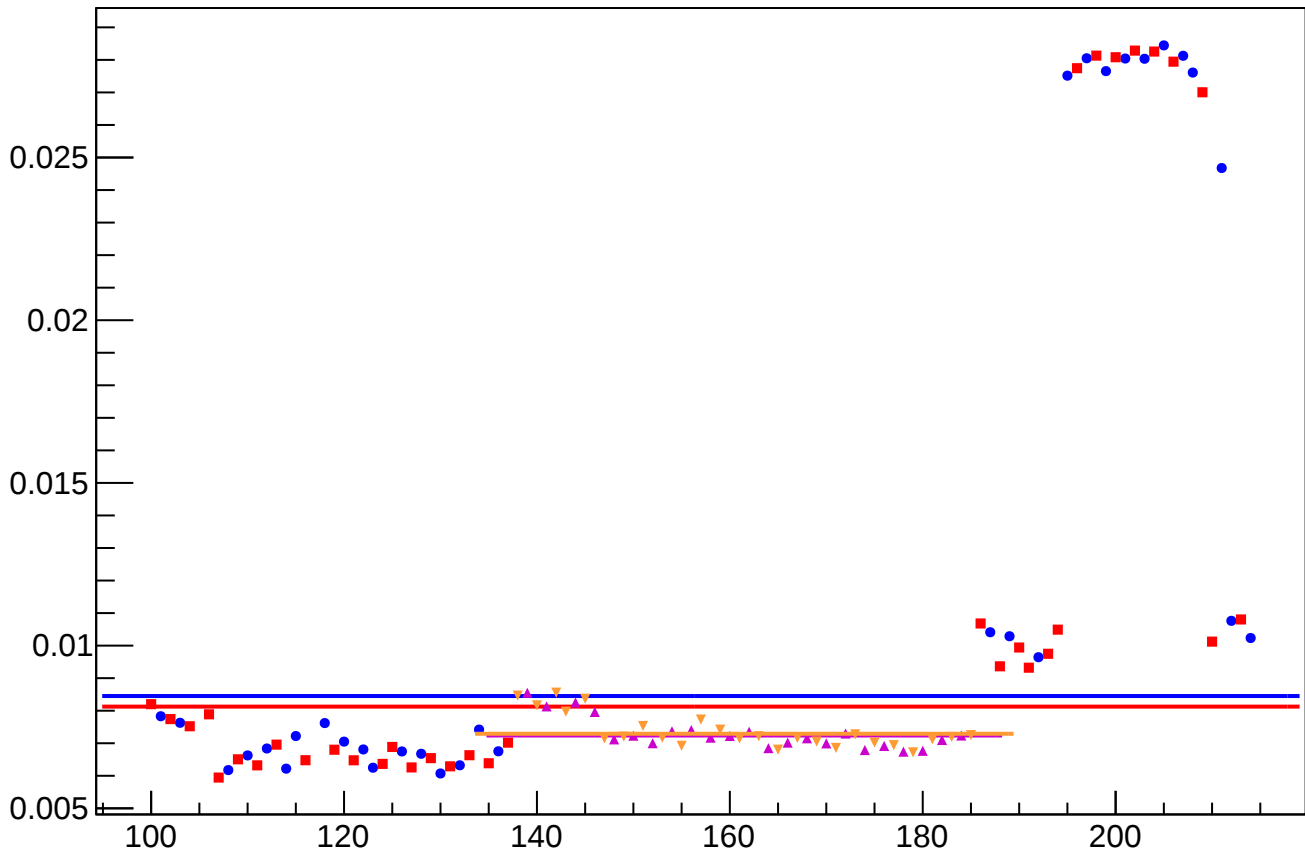
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.251 $\pm$ 0.000 χ^2 /NDF: 276978660582.5/55

All: 2.235 $\pm$ 0.000 χ^2 /NDF: 552931338888.4

- sign 2.221 $\pm$ 0.000 χ^2 /NDF: 275720996236.7/56

yield_bpm0l06X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7632771.6/30

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:140788.4/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 6397949.2/33

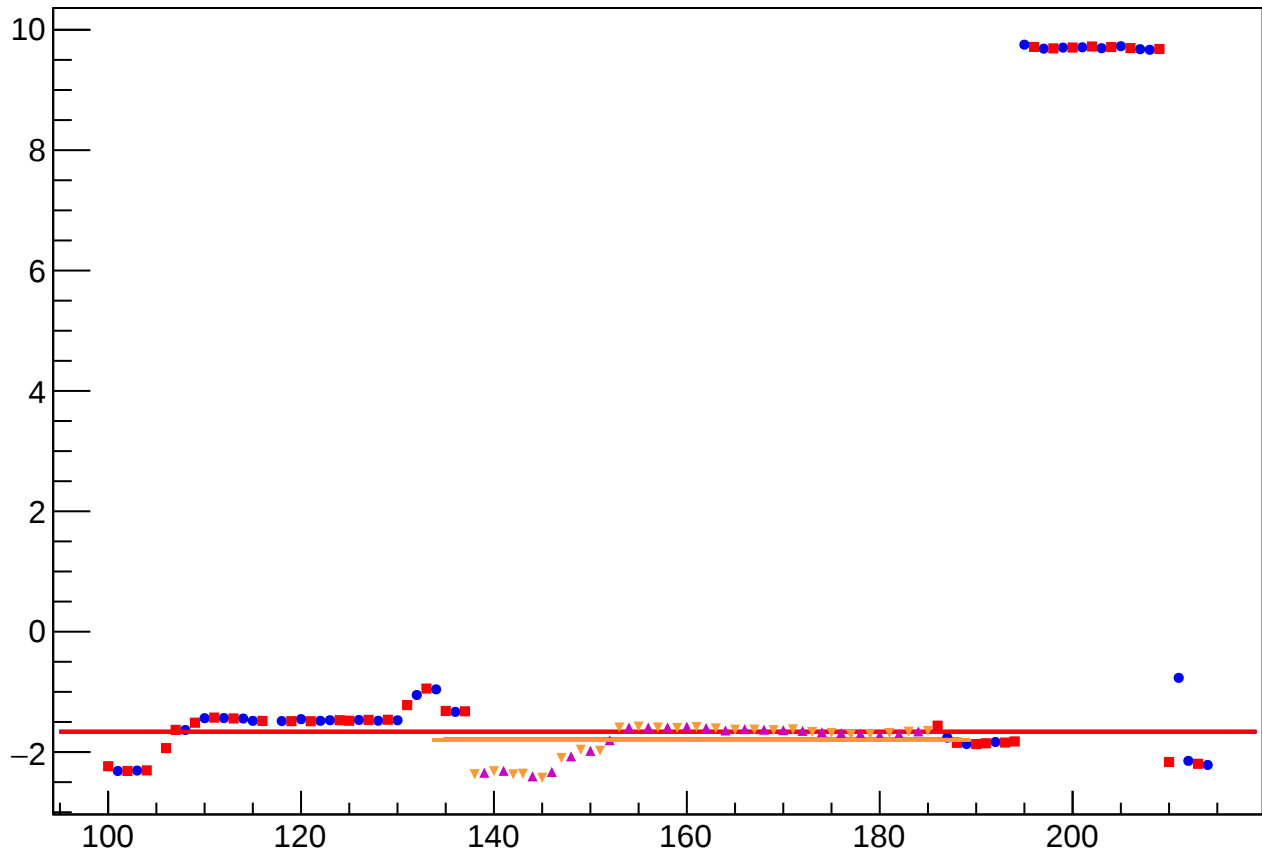
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:125233.2/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 8079052.1/55

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 14803646.3/112

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6718737.2/56

yield_bpm0l06Y_mean vs Slug



Right In: -1.662+/-0.000 χ^2/NDF : 388029814908.4/30

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.661+/-0.000 χ^2/NDF : 365011907264.5/33

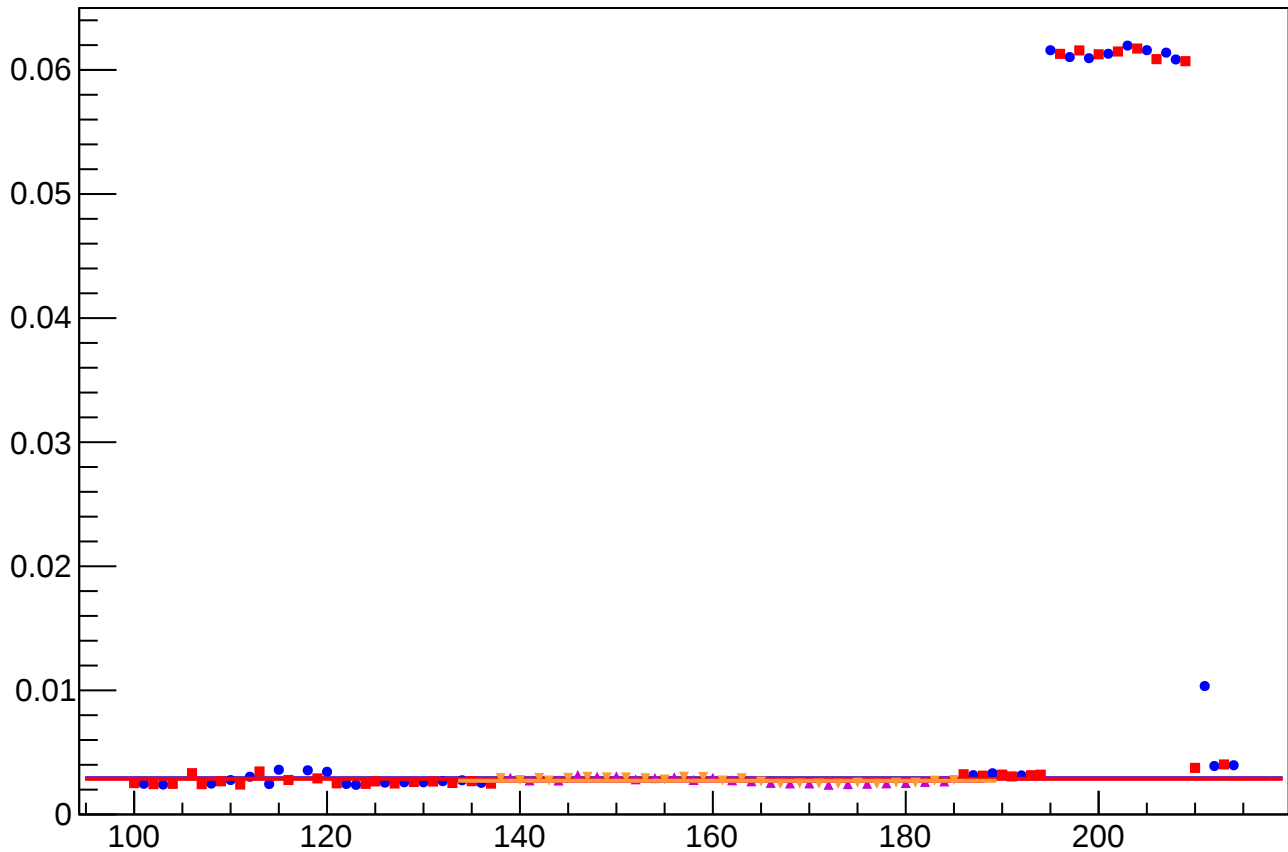
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.754+/-0.000 χ^2/NDF : 587772334398.2/55

All: -1.748+/-0.000 χ^2/NDF : 1127041566735

- sign -1.741+/-0.000 χ^2/NDF : 538965471719.3/56

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 11972198.4/30

Left Out: 0.003+/-0.000 χ^2/NDF : 199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 10117997.4/33

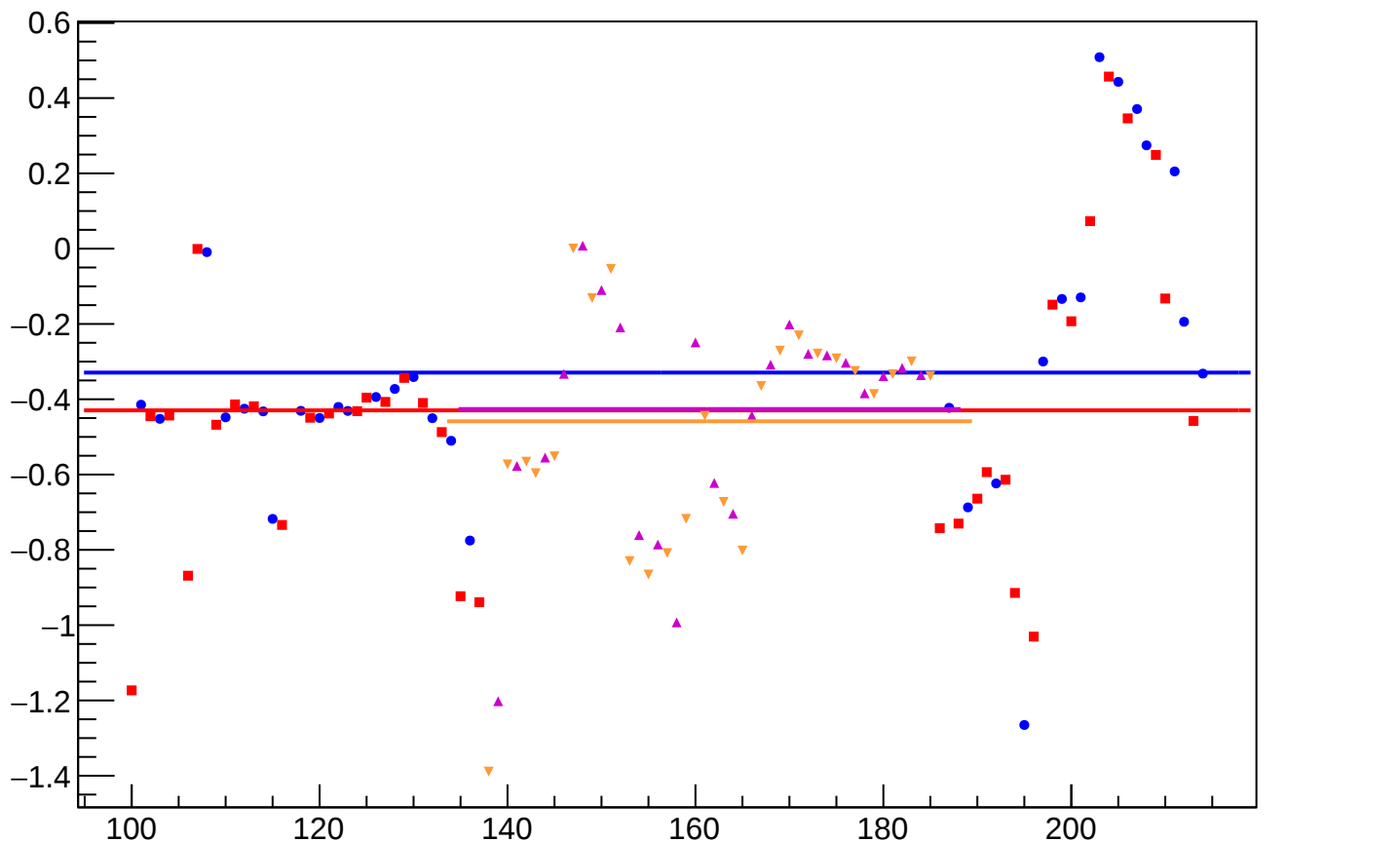
Left In: 0.003+/-0.000 χ^2/NDF : 220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 12232478.6/55

All: 0.003+/-0.000 χ^2/NDF : 22623925.2/112

- sign 0.003+/-0.000 χ^2/NDF : 10390535.3/56

yield_bpm0l07X_mean vs Slug



Right In: -0.329 ± 0.000 χ^2/NDF : 10813834940.8/30

Left Out: -0.459 ± 0.000 χ^2/NDF : 9916462814.9/24

Right Out: -0.429 ± 0.000 χ^2/NDF : 10158243554.2/33

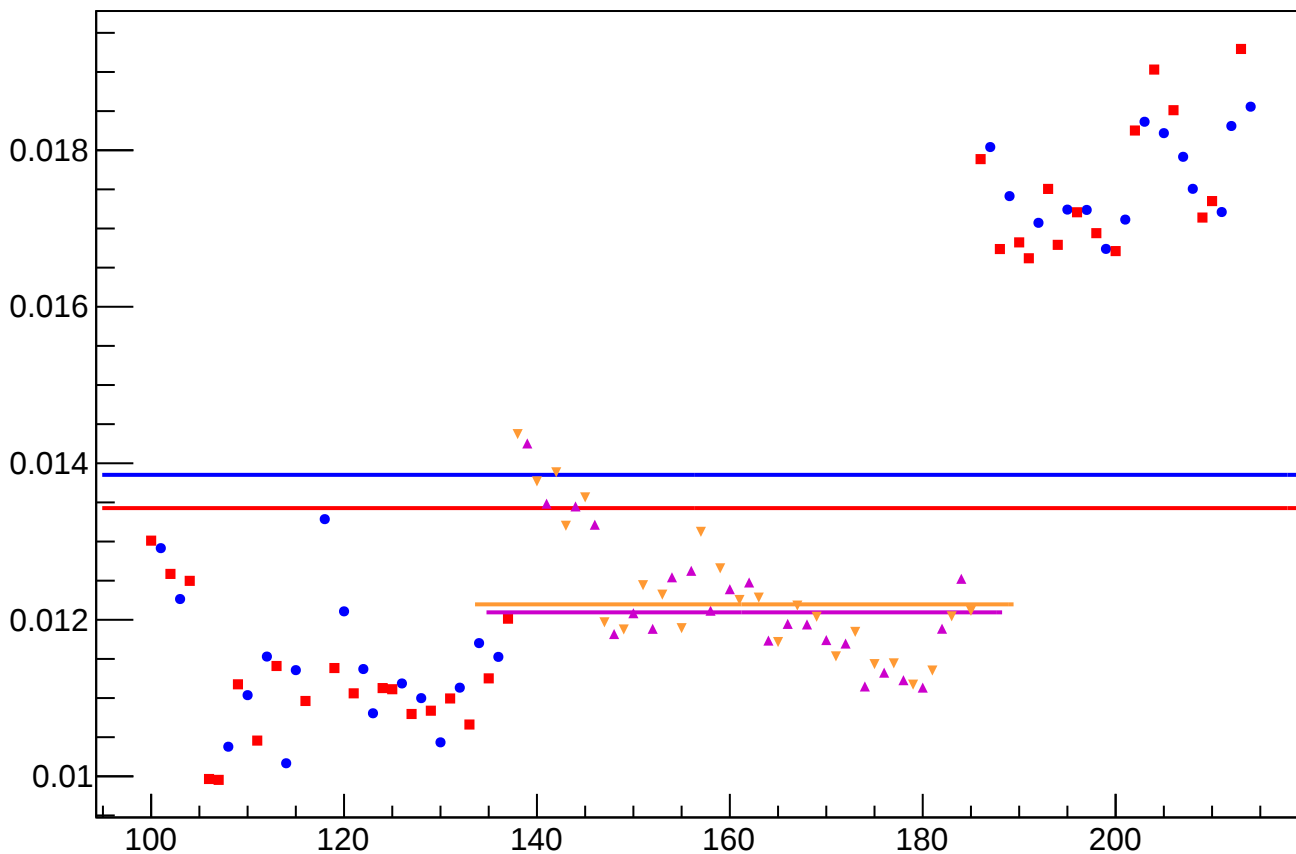
Left In: -0.426 ± 0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.406 ± 0.000 χ^2/NDF : 21532704586.6/55

All: -0.417 ± 0.000 χ^2/NDF : 40162265794.4/56

- sign -0.428 ± 0.000 χ^2/NDF : 18583079758.5/56

yield_bpm0l07X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1520103.3/30

Left Out: 0.012+/-0.000 χ^2/NDF : 141850.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1757165.4/33

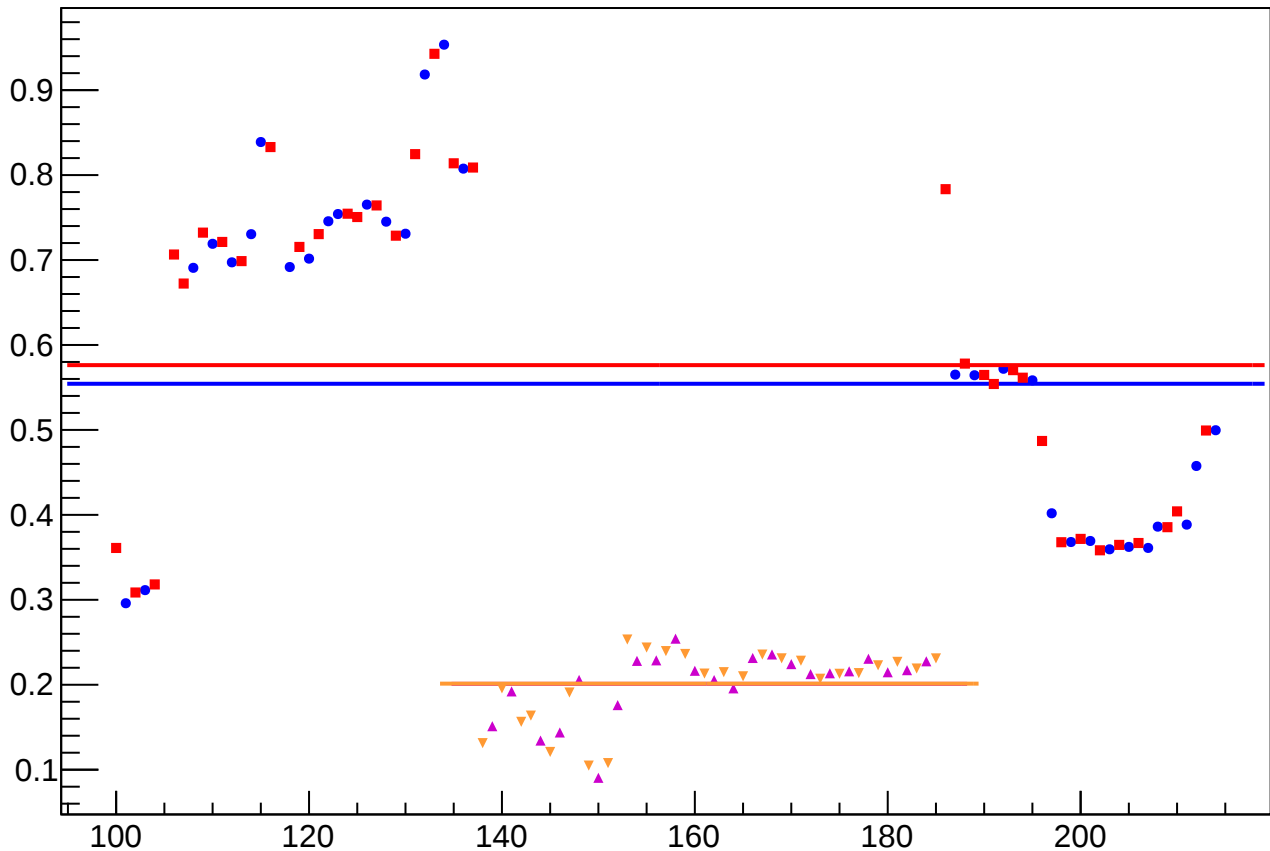
Left In: 0.012+/-0.000 χ^2/NDF : 127308.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 1924637.3/55

All: 0.013+/-0.000 χ^2/NDF : 3992895.4/112

- sign 0.013+/-0.000 χ^2/NDF : 2061018.7/56

yield_bpm0l07Y_mean vs Slug



Right In: 0.554+/-0.000 χ^2/NDF : 76285489391.0/30

Left Out: 0.201+/-0.000 χ^2/NDF : 7090760823.7/24

Right Out: 0.576+/-0.000 χ^2/NDF : 73763444849.1/33

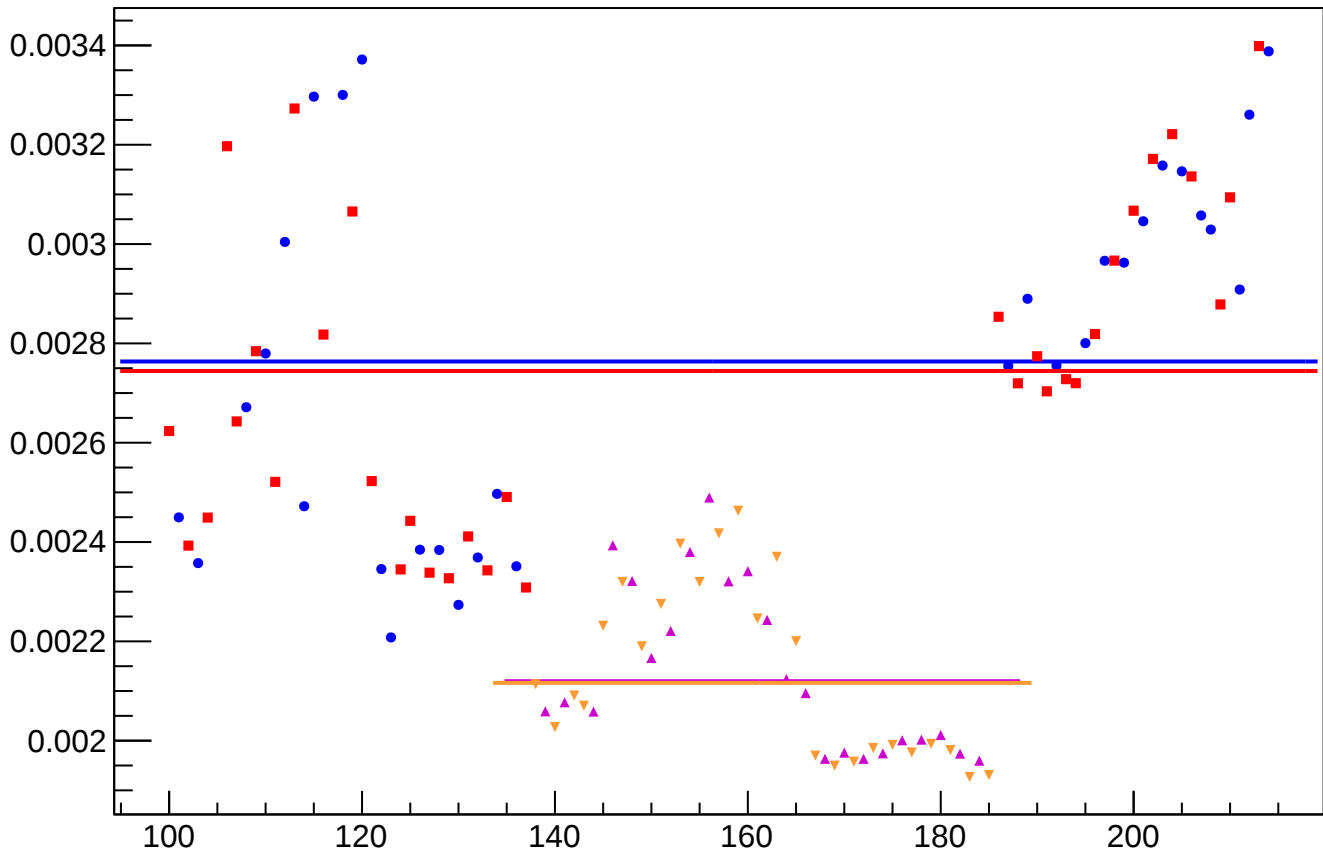
Left In: 0.201+/-0.000 χ^2/NDF : 5671770181.2/22

+ sign 0.322+/-0.000 χ^2/NDF : 255302655049.0/55

All: 0.330+/-0.000 χ^2/NDF : 531189279436.5

- sign 0.338+/-0.000 χ^2/NDF : 275083954973.6/56

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 497069.8/30

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:224498.3/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 401802.6/33

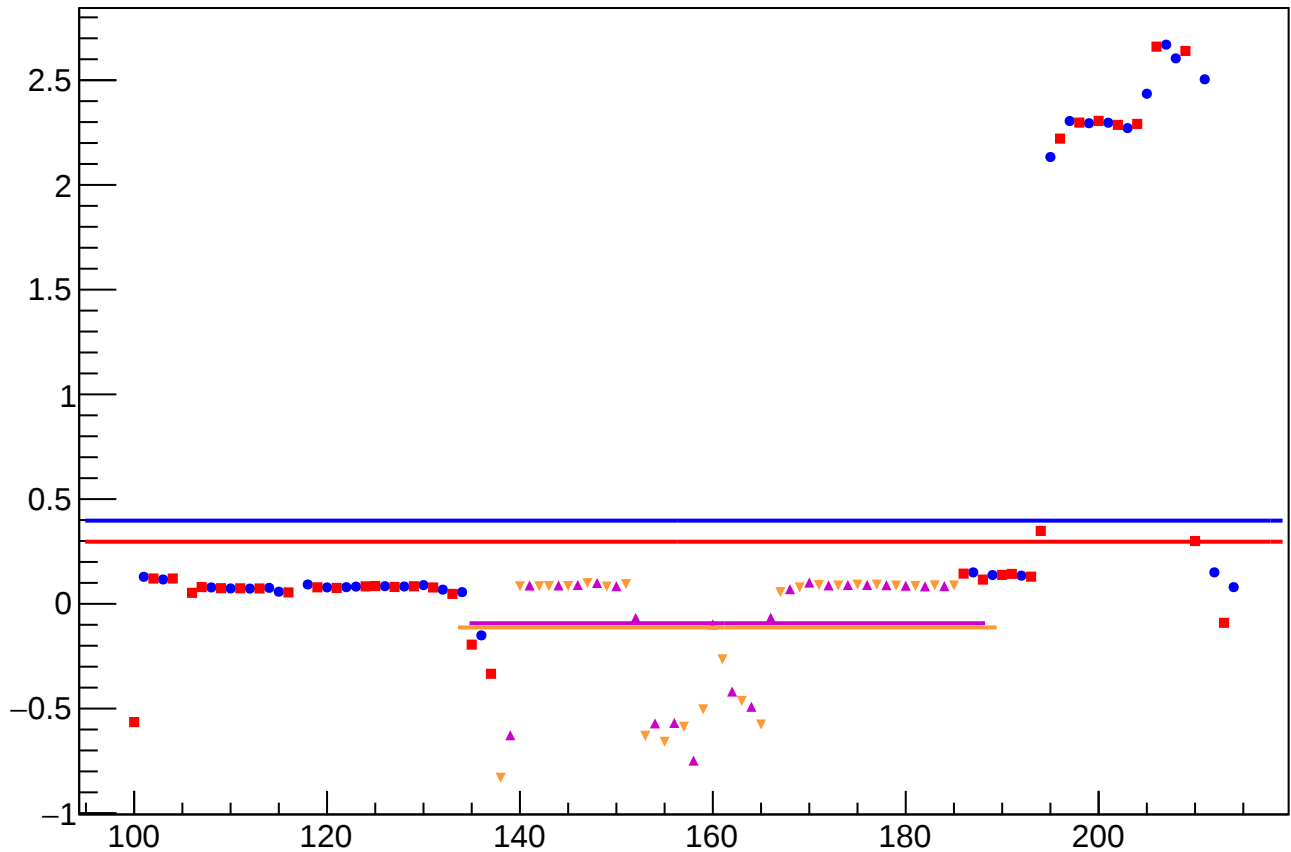
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:189228.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1877189.0/55

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 3553491.5/112

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1675612.1/56

yield_bpm0l08X_mean vs Slug



Right In: 0.397+/-0.000 χ^2/NDF : 61373487293.1/30

Left Out: -0.113+/-0.000 χ^2/NDF : 13667354077.1/24

Right Out: 0.297+/-0.000 χ^2/NDF : 52186722862.1/33

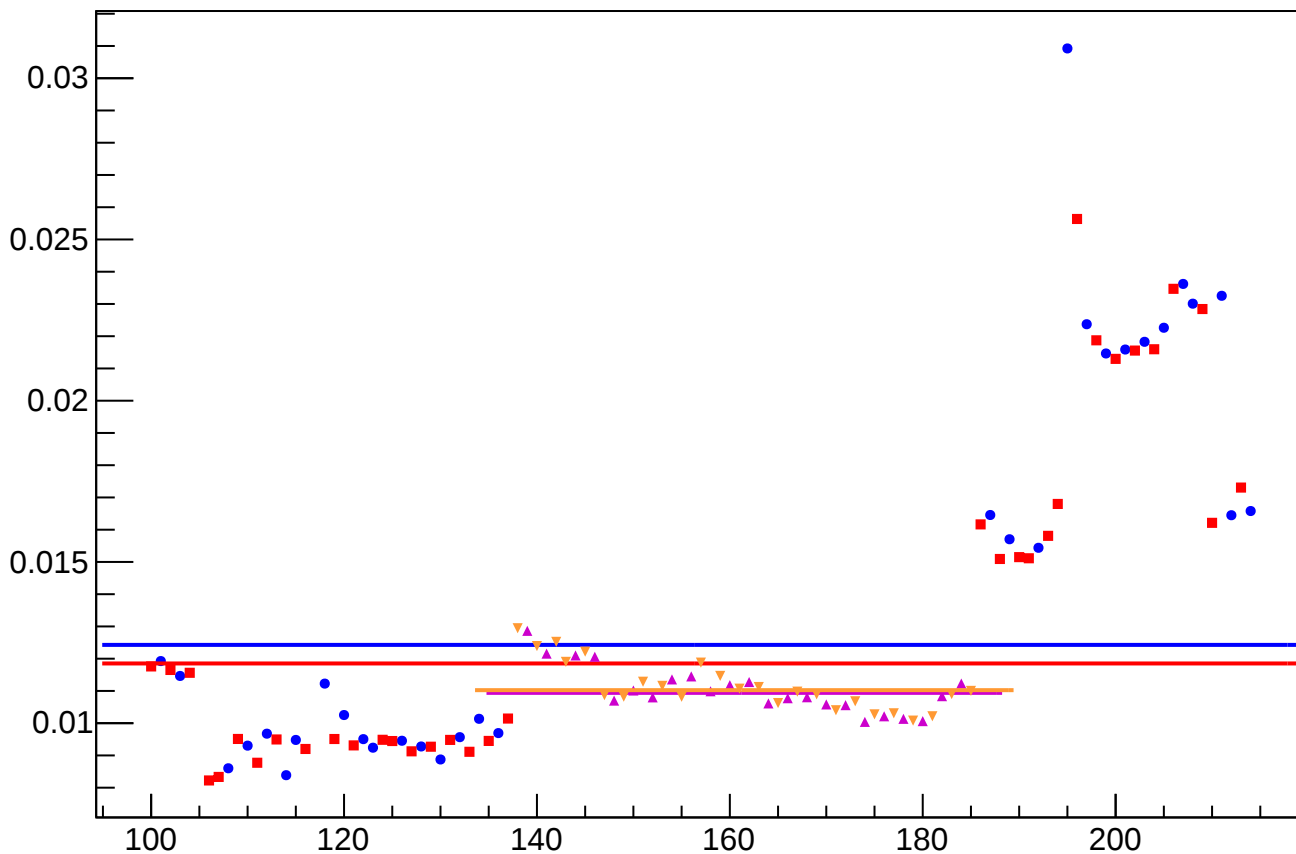
Left In: -0.093+/-0.000 χ^2/NDF : 11051944893.7/22

+ sign 0.085+/-0.000 χ^2/NDF : 89648639162.7/55

All: 0.080+/-0.000 χ^2/NDF : 161998714634.5

- sign 0.076+/-0.000 χ^2/NDF : 72339900238.1/56

yield_bpm0l08X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 4381755.2/30

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:141501.7/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 4047817.5/33

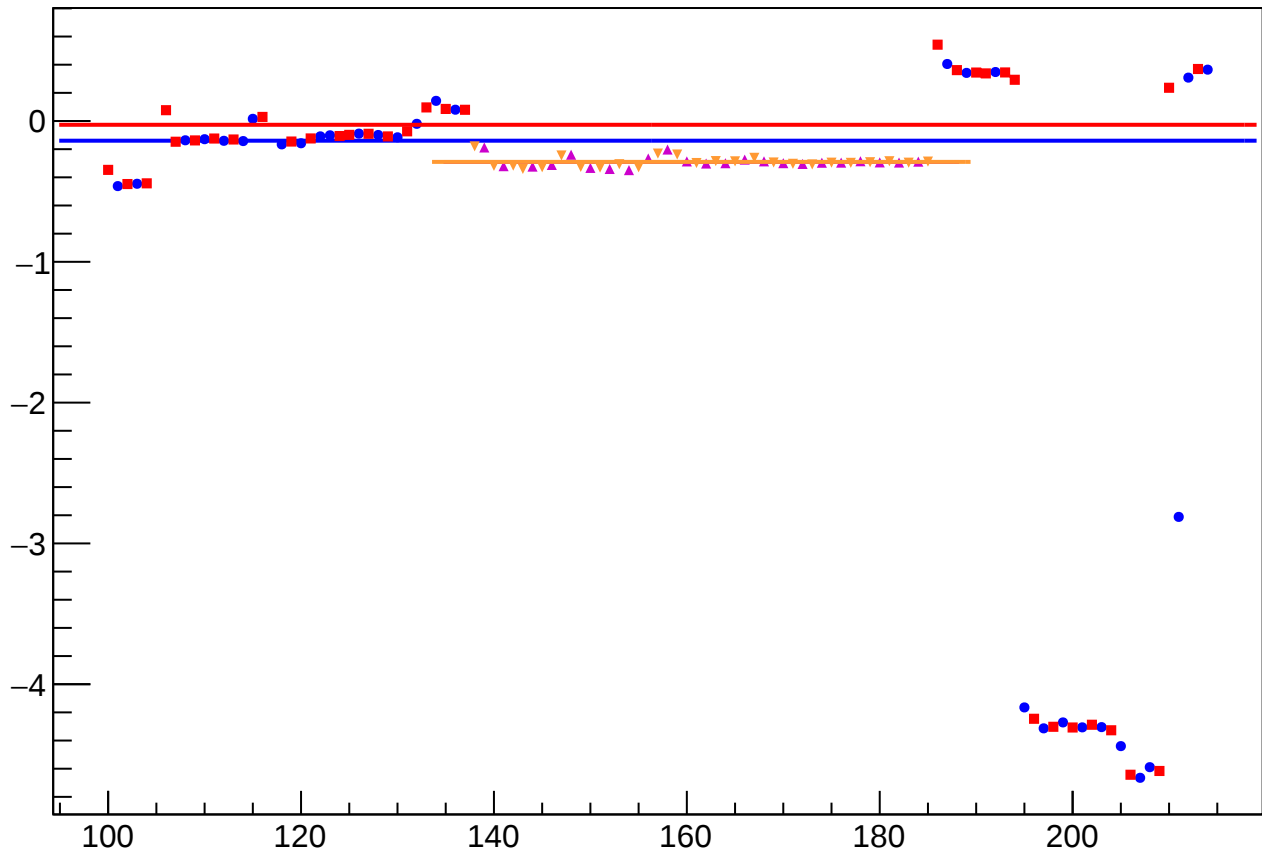
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:128914.2/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 4744690.2/55

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 9034256.8/112

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4276460.3/56

yield_bpm0l08Y_mean vs Slug



Right In: -0.140 ± 0.000 χ^2/NDF : 379119890072.6/30

Left Out: -0.290 ± 0.000 χ^2/NDF : 2877519093.0/24

Right Out: -0.027 ± 0.000 χ^2/NDF : 343495947414.5/33

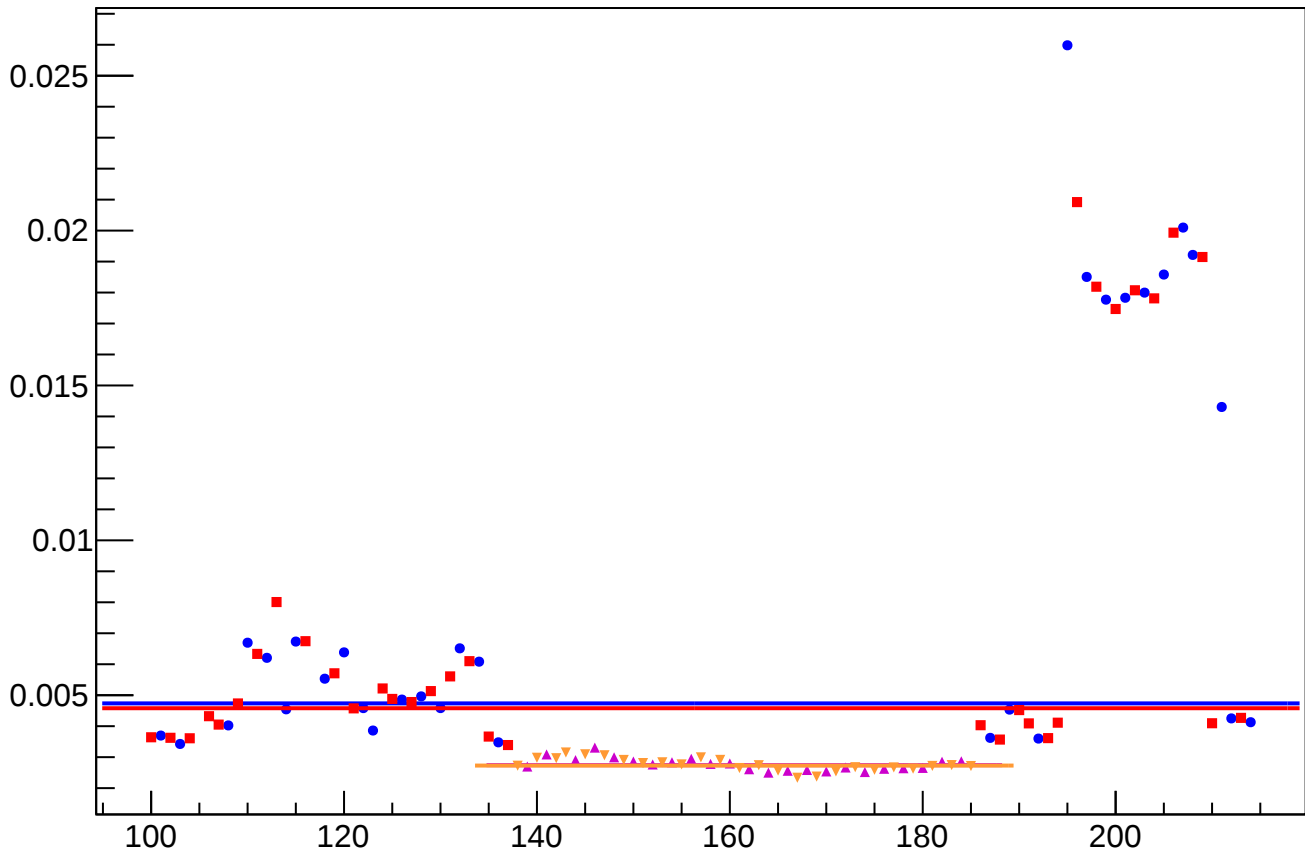
Left In: -0.291 ± 0.000 χ^2/NDF : 3125402243.3/22

+ sign -0.263 ± 0.000 χ^2/NDF : 391523402670.5/55

All: -0.249 ± 0.000 χ^2/NDF : 772573070103.2

- sign -0.234 ± 0.000 χ^2/NDF : 379814583456.6/56

yield_bpm0l08Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 8546967.3/30

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 6963815.3/33

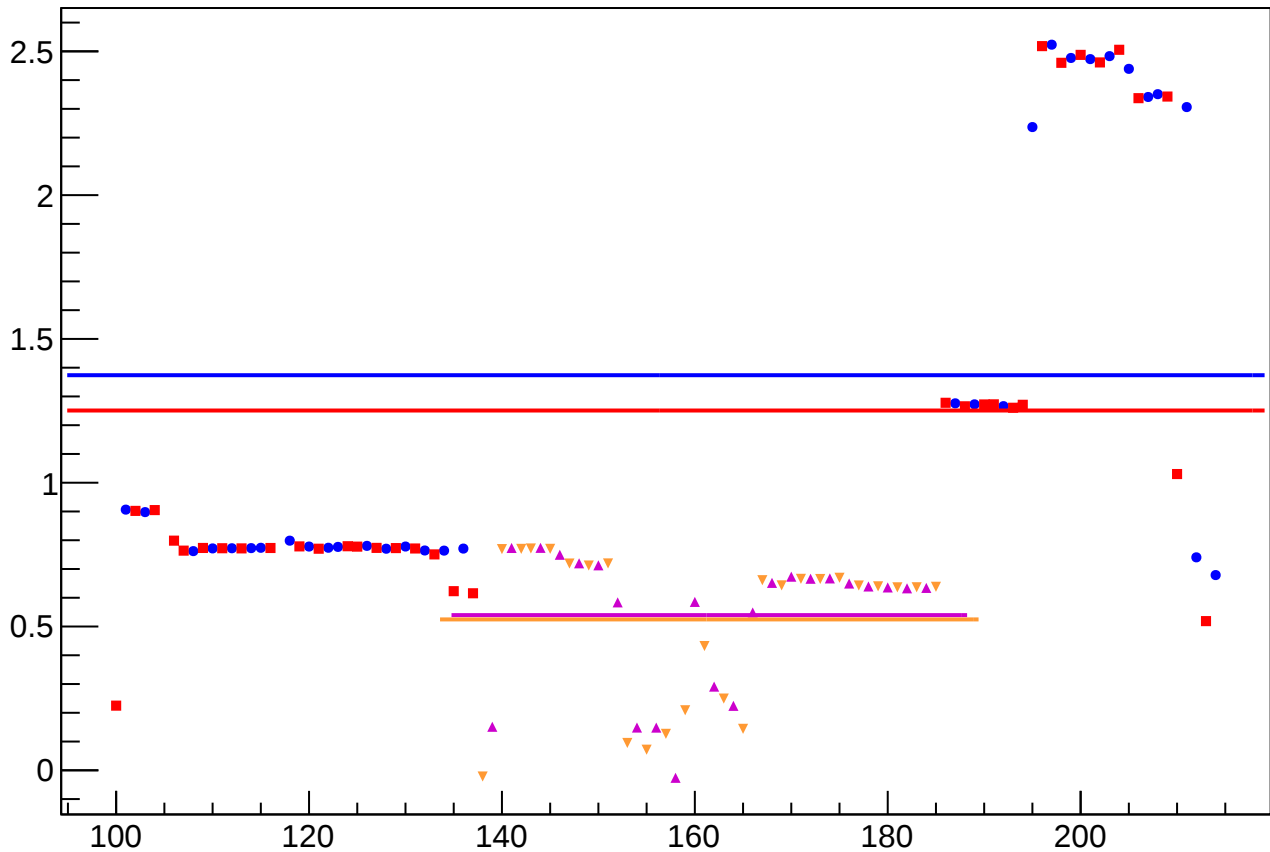
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 12142820.4/55

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 22471664.9/112

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 10320852.0/56

yield_bpm0l09X_mean vs Slug



Right In: 1.374+/-0.000 χ^2/NDF : 58809253057.4/30

Left Out: 0.525+/-0.000 χ^2/NDF : 9623503169.9/24

Right Out: 1.251+/-0.000 χ^2/NDF : 54684177626.6/33

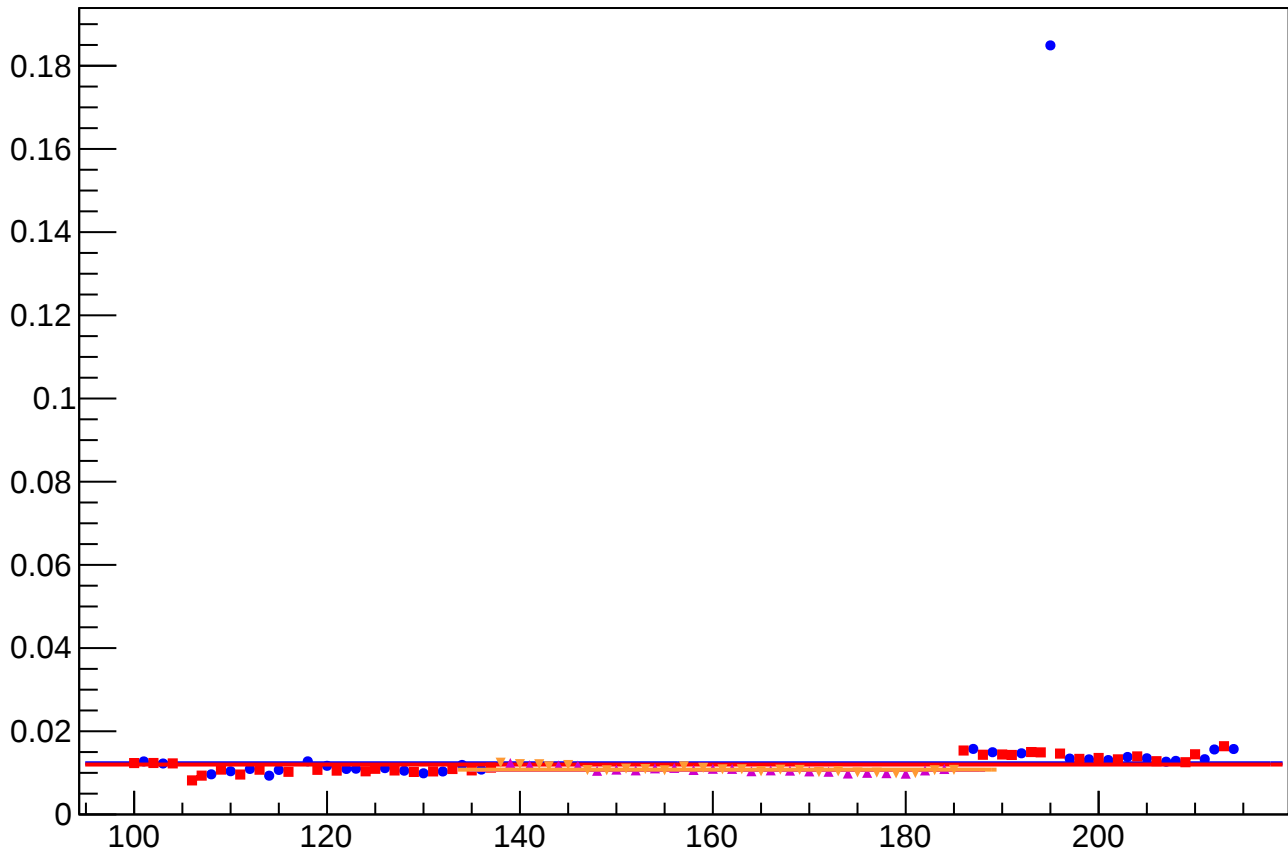
Left In: 0.540+/-0.000 χ^2/NDF : 7860539135.5/22

+ sign 0.862+/-0.000 χ^2/NDF : 112122092128.2/55

All: 0.854+/-0.000 χ^2/NDF : 206495573340.0

- sign 0.846+/-0.000 χ^2/NDF : 94340129606.2/56

yield_bpm0l09X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2049842.6/30

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 871438.4/33

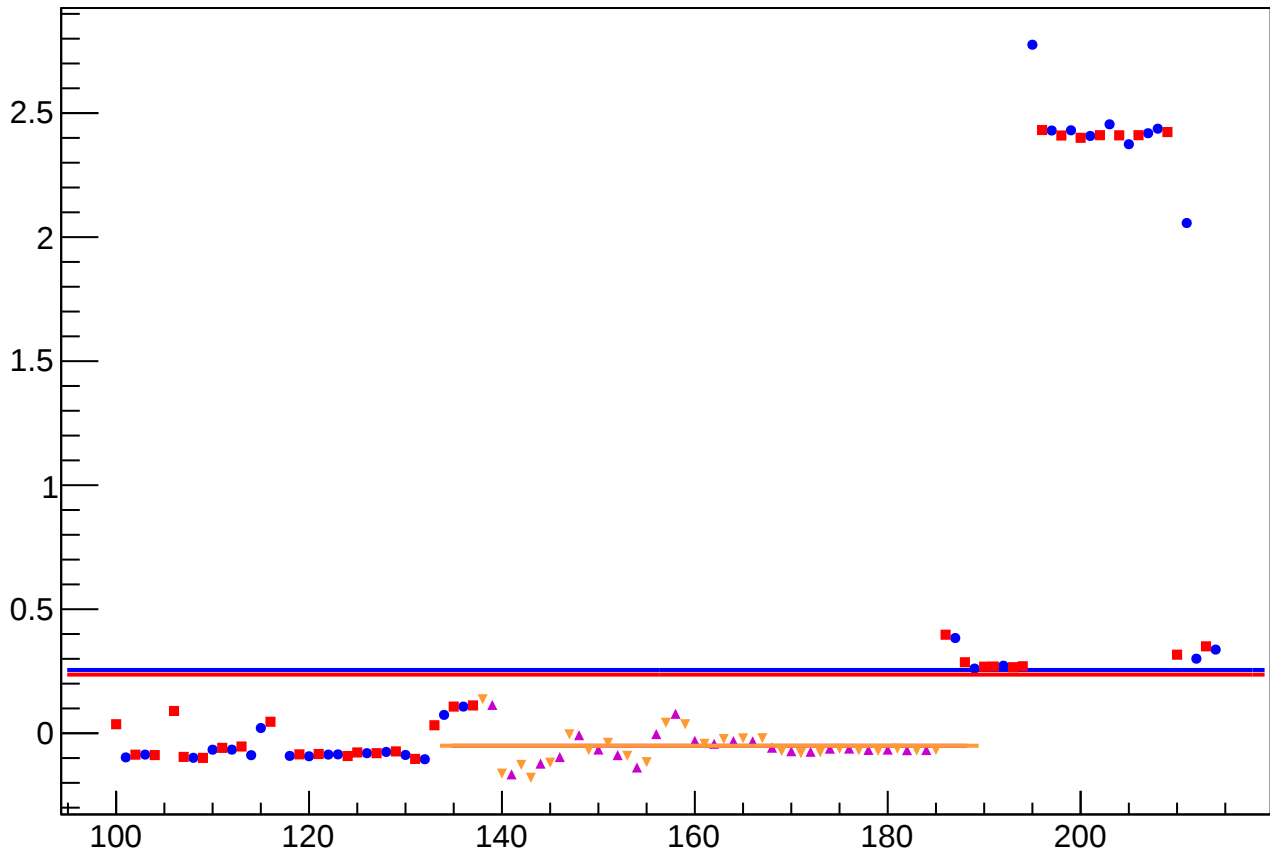
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2468443.8/55

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3677603.3/112

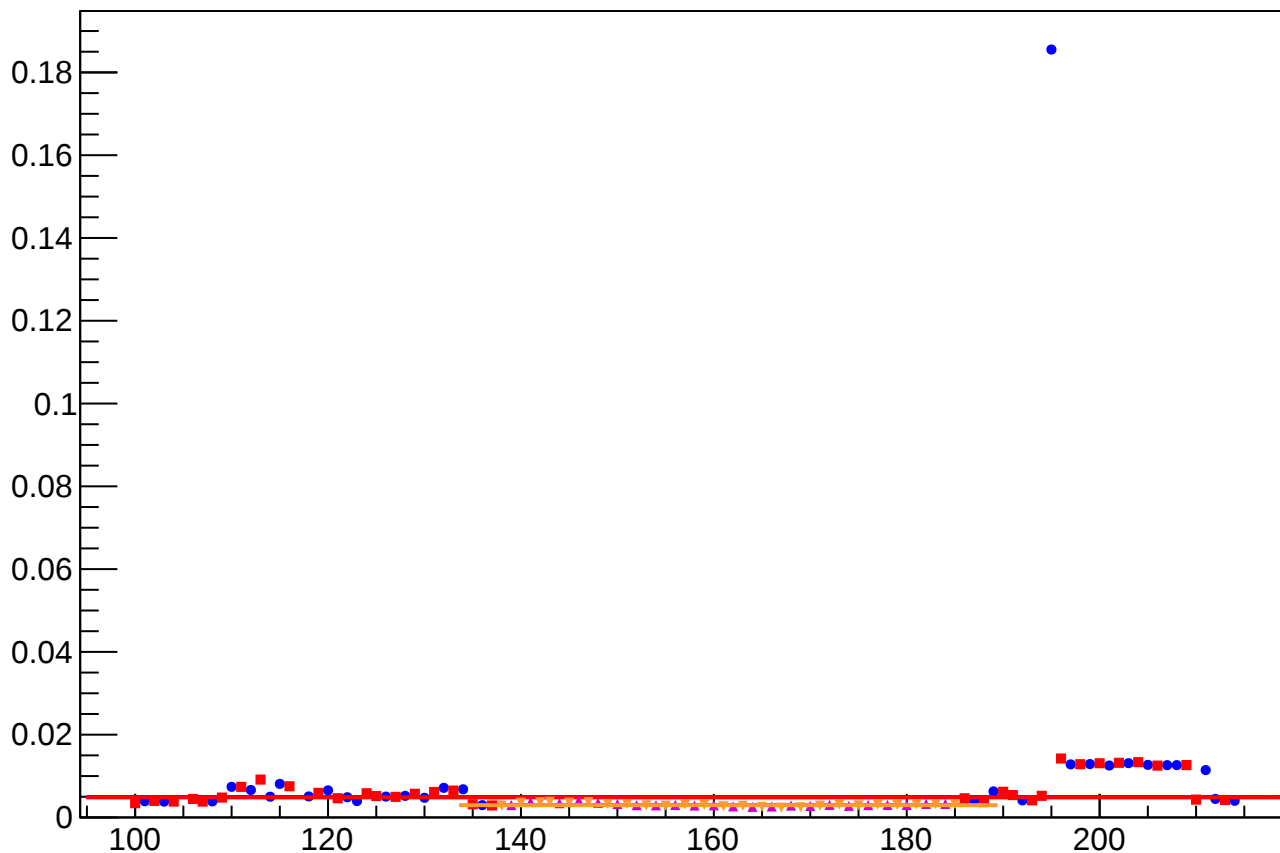
- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1205066.6/56

yield_bpm0l09Y_mean vs Slug



Right In: 0.255+/-0.000	χ^2/NDF : 195781111196.0/30	+ sign 0.011+/-0.000	χ^2/NDF : 239539378087.0/55
Left Out: -0.050+/-0.000	χ^2/NDF : 7271496478.6/24	All: 0.014+/-0.000	χ^2/NDF : 440078708575.2
Right Out: 0.236+/-0.000	χ^2/NDF : 160224040452.2/33	- sign 0.016+/-0.000	χ^2/NDF : 200509068516.3/56
Left In: -0.051+/-0.000	χ^2/NDF : 6128769990.8/22		

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 7373715.5/30

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 5155616.6/33

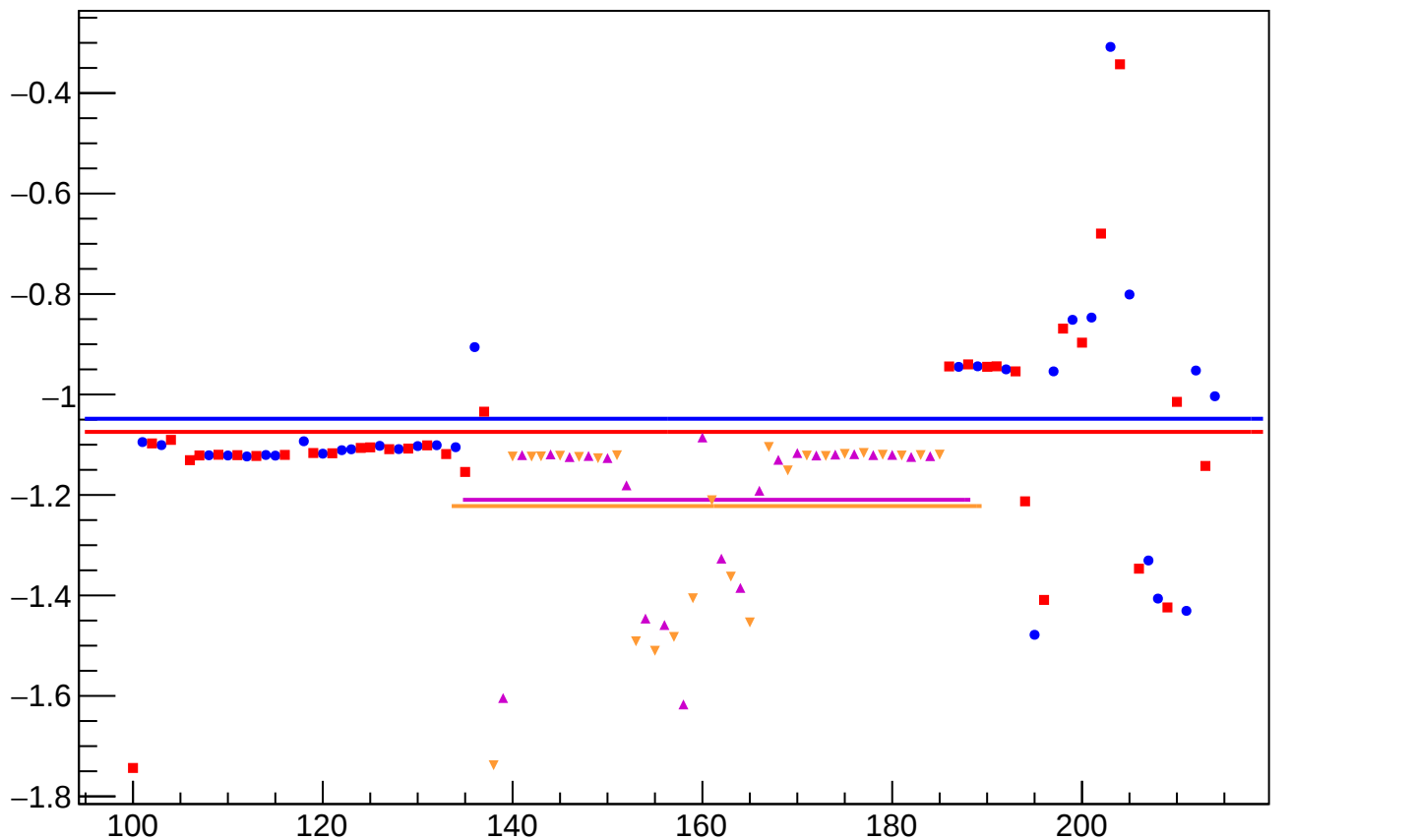
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 10839533.9/55

All: 0.003+/-0.000 χ^2/NDF : 19221177.9/112

- sign 0.003+/-0.000 χ^2/NDF : 8365778.5/56

yield_bpm0l10X_mean vs Slug



Right In: -1.048+/-0.000 χ^2/NDF : 5641701954.2/30

Left Out: -1.222+/-0.000 χ^2/NDF : 5279548861.3/24

Right Out: -1.074+/-0.000 χ^2/NDF : 4662734096.5/33

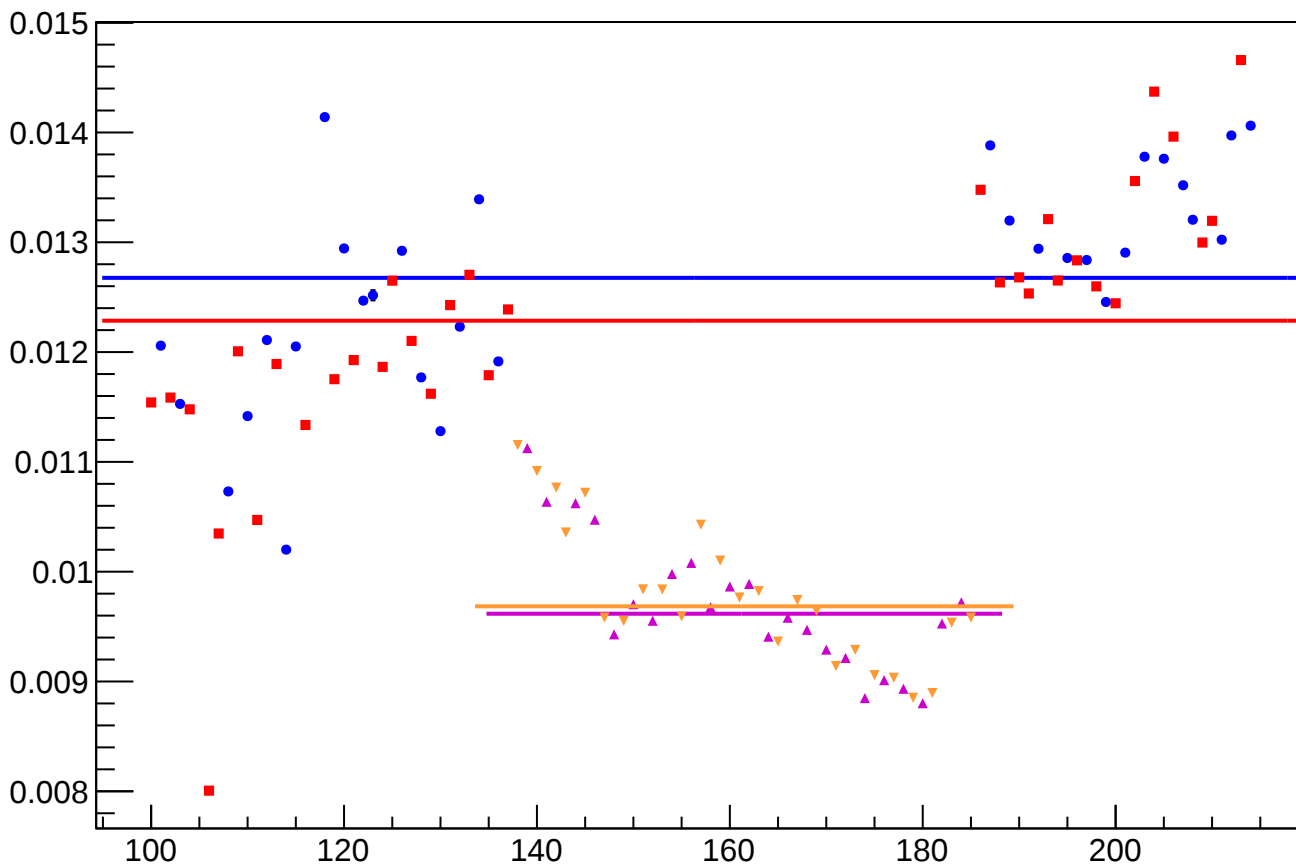
Left In: -1.210+/-0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.162+/-0.000 χ^2/NDF : 12904662690.5/55

All: -1.160+/-0.000 χ^2/NDF : 23324481564.8/100

- sign -1.159+/-0.000 χ^2/NDF : 10418202020.7/56

yield_bpm0l10X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 162916.0/30

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:134863.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 370696.5/33

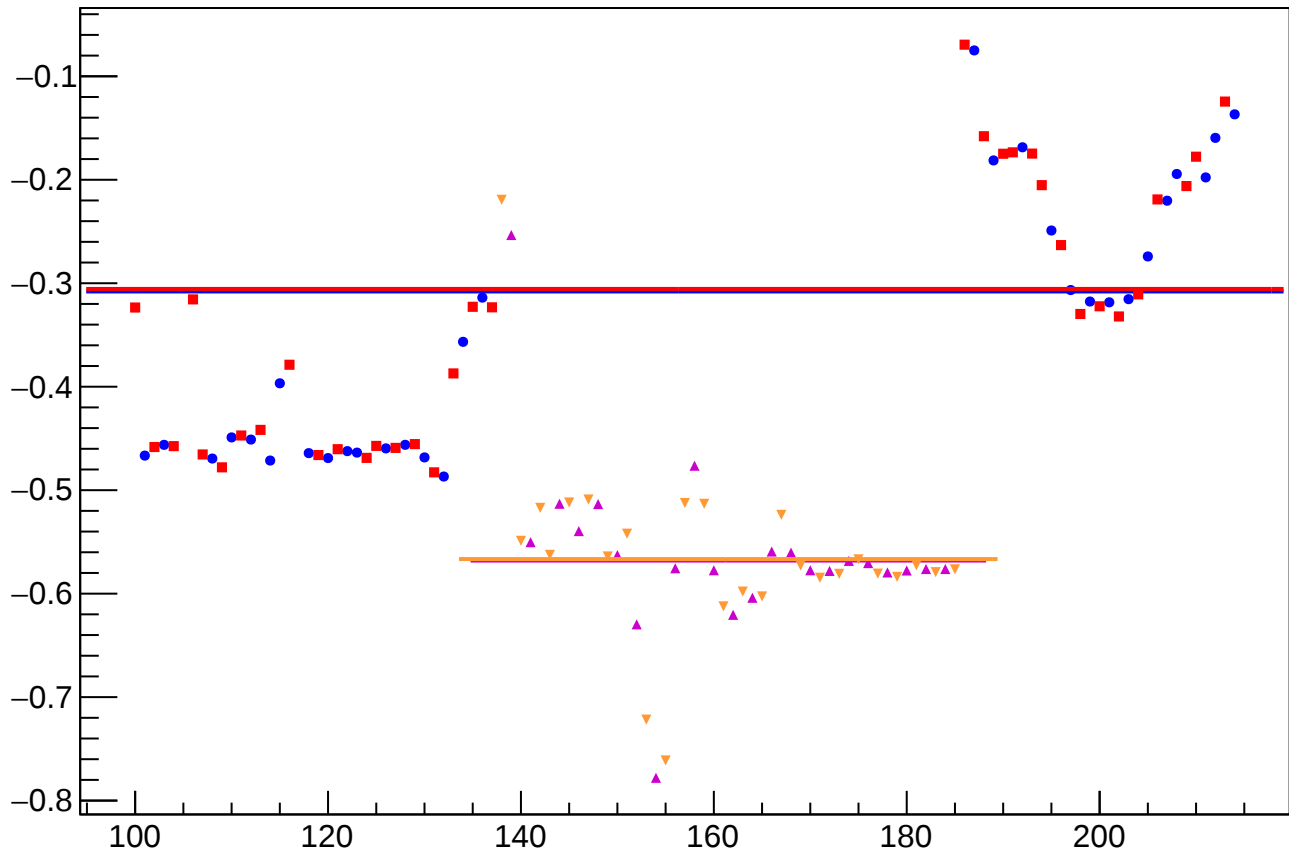
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1472582.9/55

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 2942027.6/112

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1466819.3/56

yield_bpm0l10Y_mean vs Slug



Right In: -0.308 $\pm$ 0.000 χ^2 /NDF: 13315894691.3/30

Left Out: -0.567 $\pm$ 0.000 χ^2 /NDF:13368458519.3/24

Right Out: -0.305 $\pm$ 0.000 χ^2 /NDF: 14327710948.8/33

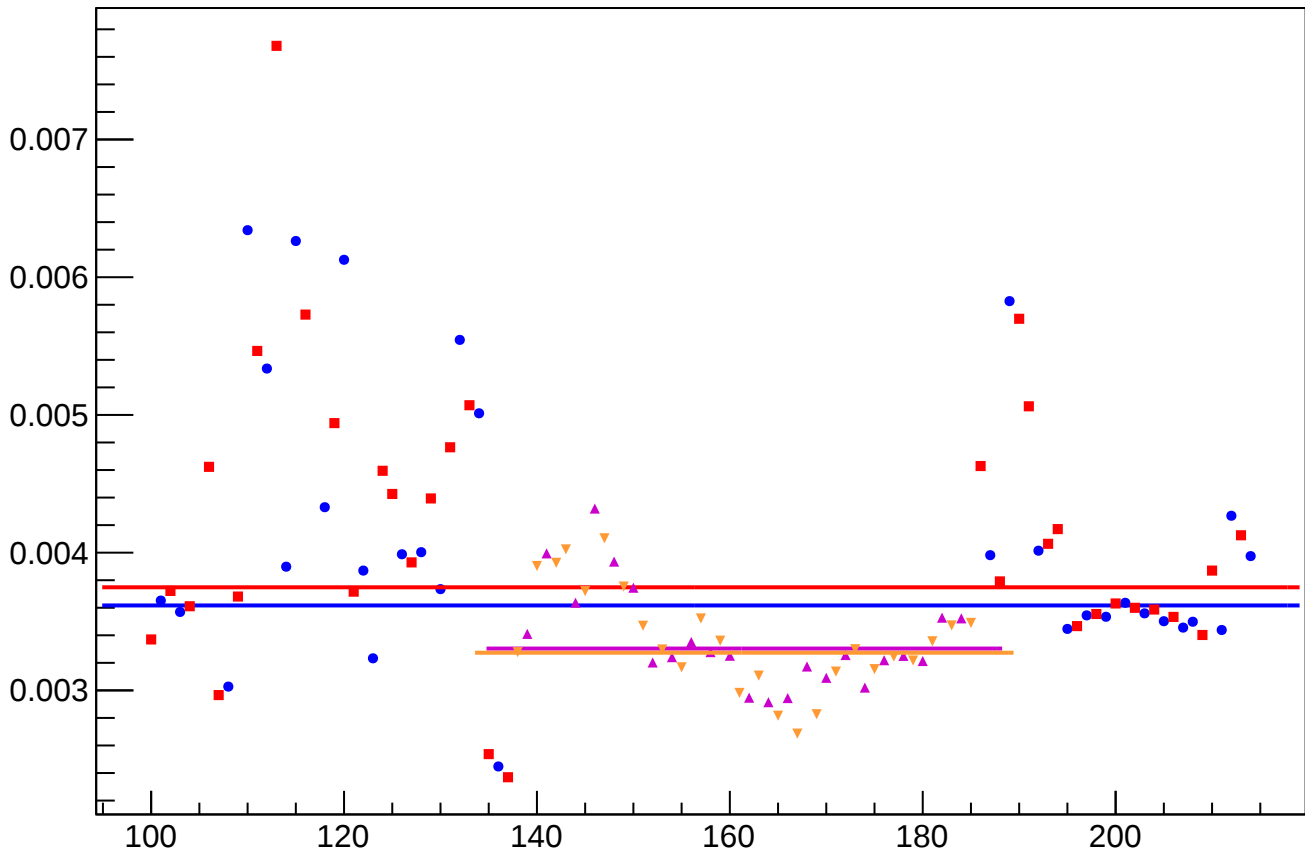
Left In: -0.568 $\pm$ 0.000 χ^2 /NDF:10458990019.9/22

+ sign -0.459 $\pm$ 0.000 χ^2 /NDF: 71393712549.9/55

All: -0.457 $\pm$ 0.000 χ^2 /NDF: 139749253993.7

- sign -0.456 $\pm$ 0.000 χ^2 /NDF: 68344461601.1/56

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 1048145.3/30

Left Out: 0.003+/-0.000 χ^2/NDF : 394865.4/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1099126.3/33

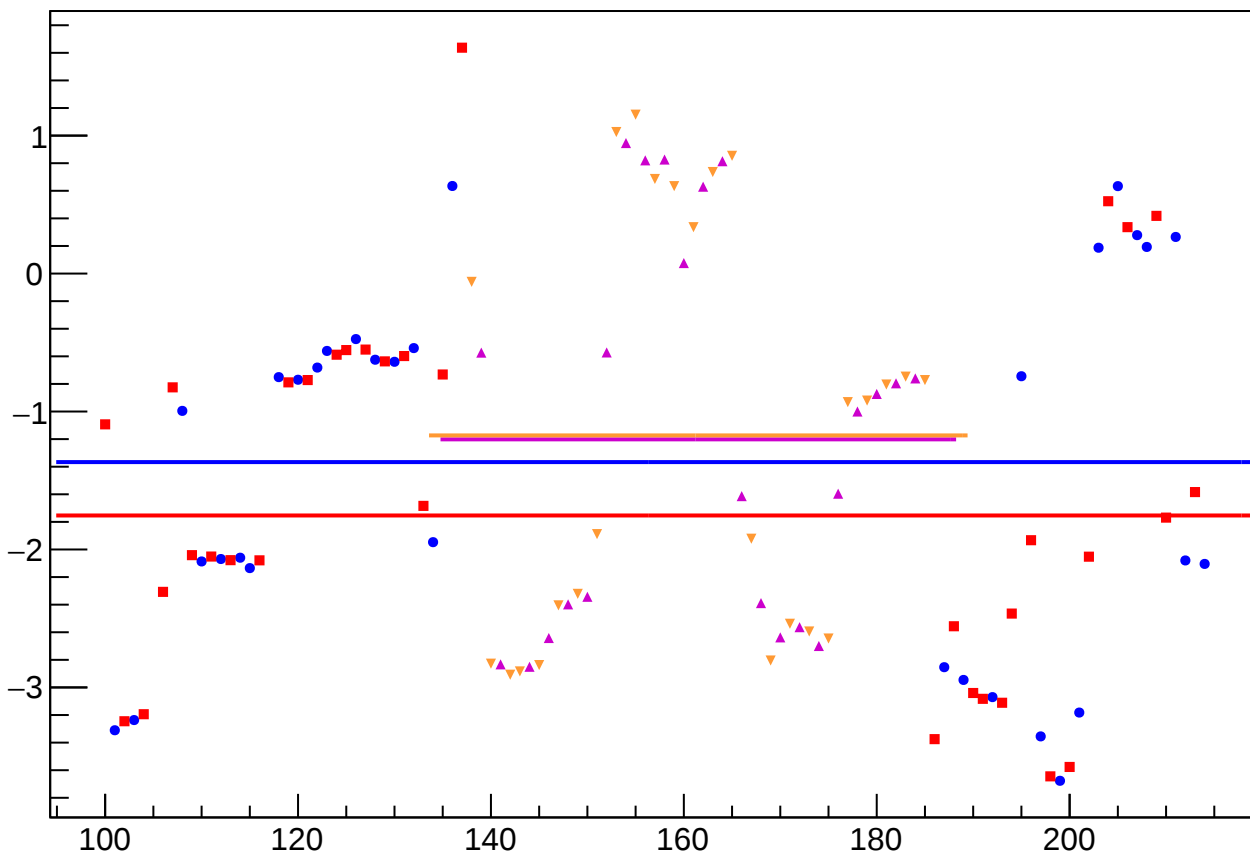
Left In: 0.003+/-0.000 χ^2/NDF : 286064.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 1600494.5/55

All: 0.003+/-0.000 χ^2/NDF : 3251723.5/112

- sign 0.003+/-0.000 χ^2/NDF : 1635338.9/56

yield_bpm0r03X_mean vs Slug



Right In: -1.367+/-0.000 χ^2/NDF : 6223046787.6/30

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -1.754+/-0.000 χ^2/NDF : 5219550970.3/33

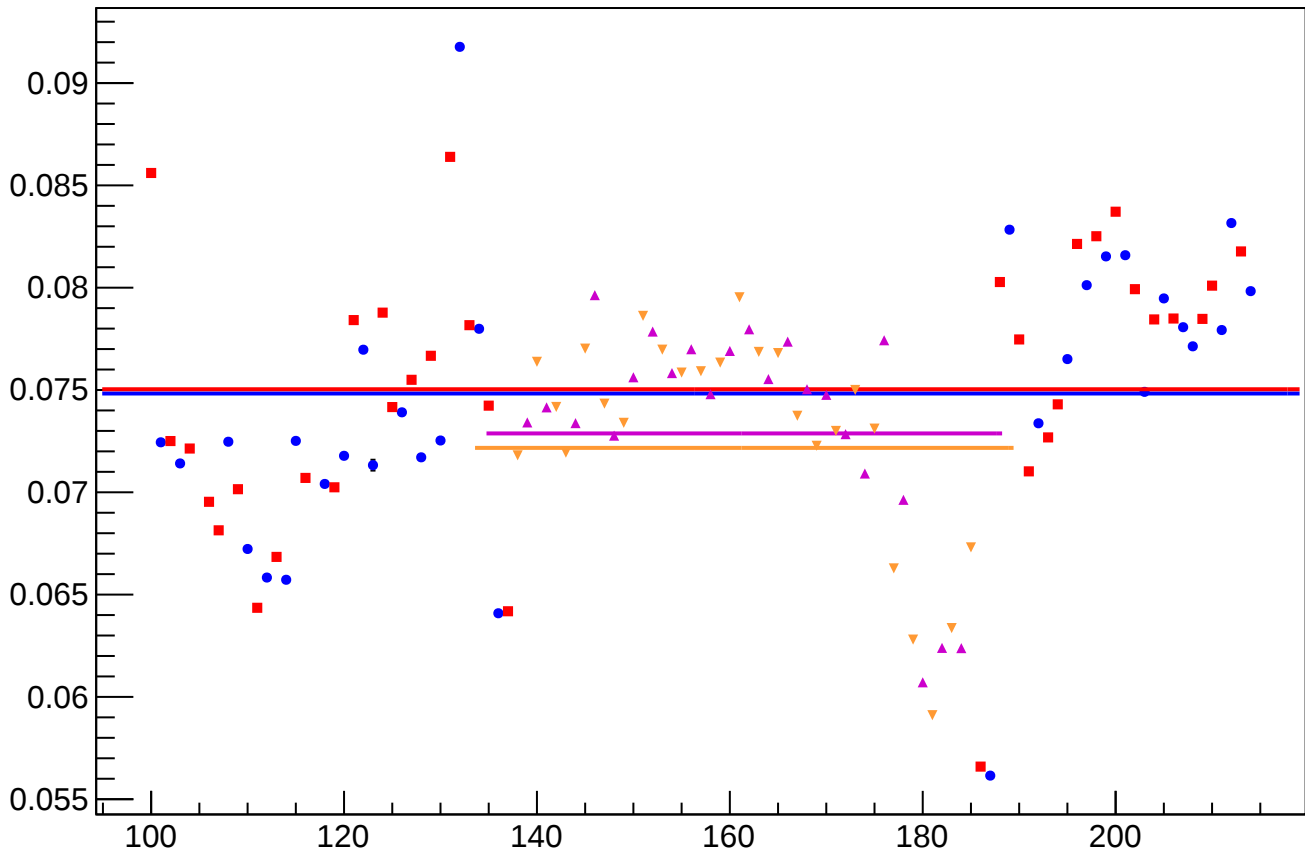
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.262+/-0.000 χ^2/NDF : 13165050869.8/55

All: -1.364+/-0.000 χ^2/NDF : 24599630990.4/100

- sign -1.470+/-0.000 χ^2/NDF : 11298394995.9/56

yield_bpm0r03X_rms vs Slug



Right In: 0.075 $\pm$ 0.000 χ^2 /NDF: 217772.9/30

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:222263.8/24

Right Out: 0.075 $\pm$ 0.000 χ^2 /NDF: 251904.3/33

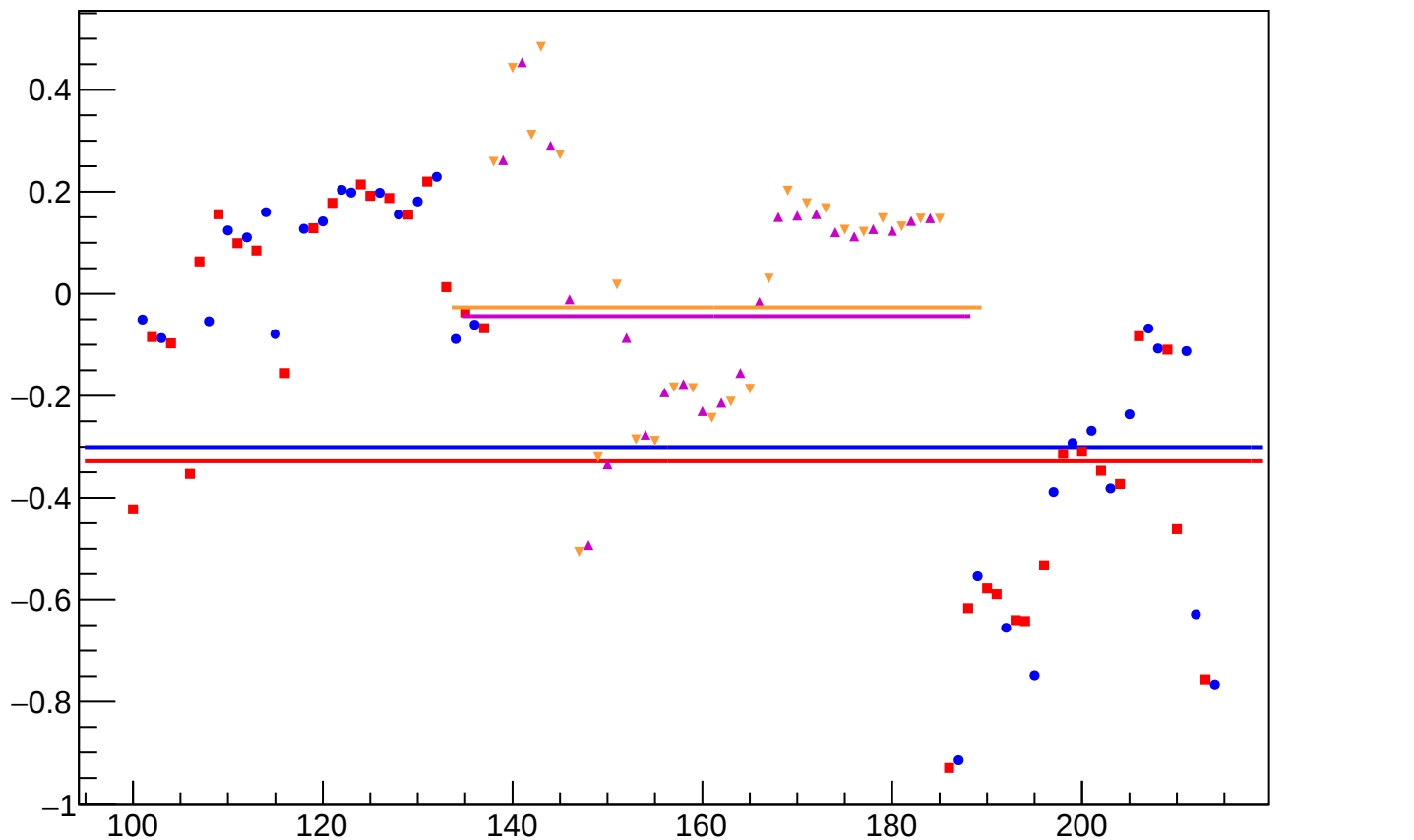
Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:183503.0/22

+ sign 0.073 $\pm$ 0.000 χ^2 /NDF: 462439.4/55

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 914117.9/112

- sign 0.074 $\pm$ 0.000 χ^2 /NDF: 449862.1/56

yield_bpm0r03Y_mean vs Slug



Right In: -0.301 ± 0.000 $\chi^2/\text{NDF}: 18345572095.5/30$

Left Out: -0.027 ± 0.000 $\chi^2/\text{NDF}: 20376761328.6/24$

Right Out: -0.328 ± 0.000 $\chi^2/\text{NDF}: 15502810422.9/33$

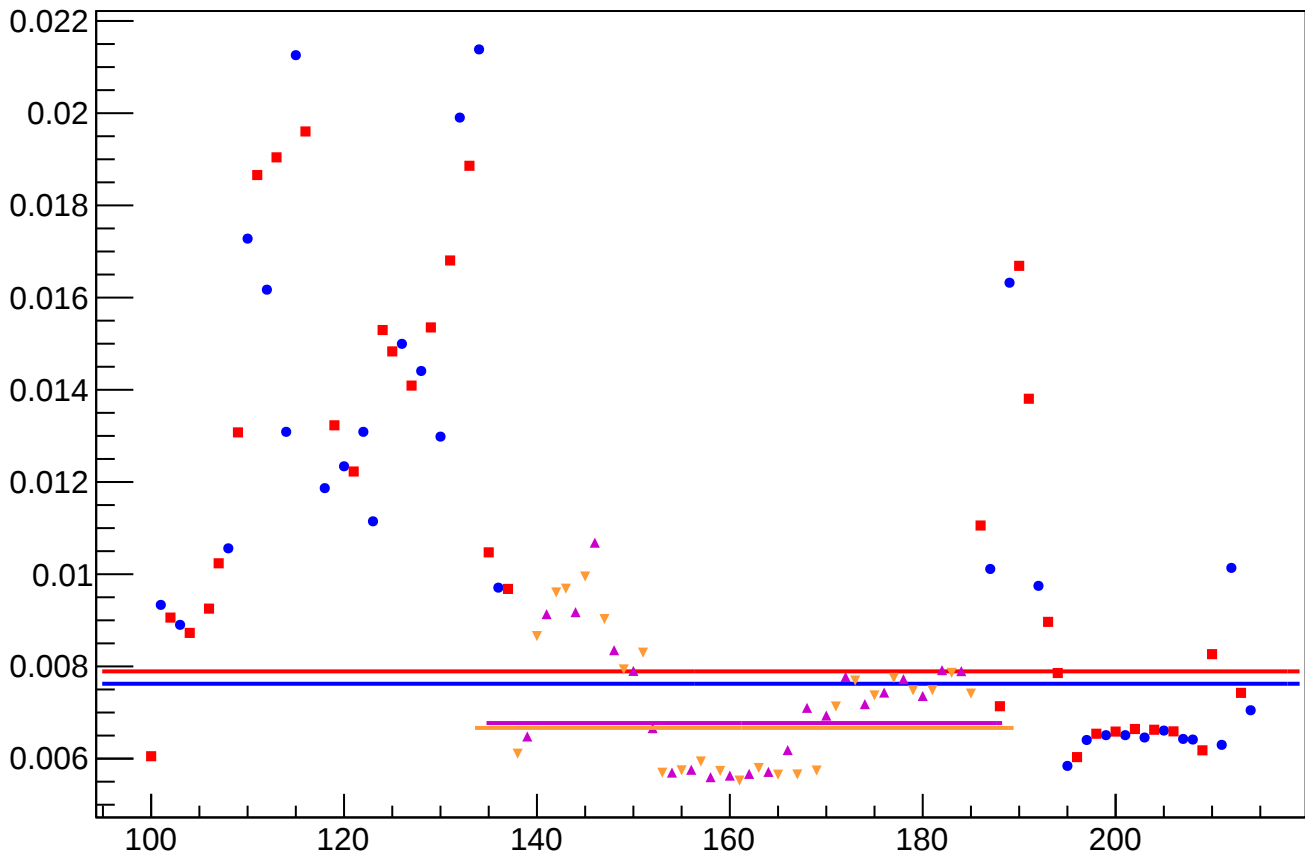
Left In: -0.044 ± 0.000 $\chi^2/\text{NDF}: 15718556282.1/22$

+ sign -0.135 ± 0.000 $\chi^2/\text{NDF}: 49879633122.0/55$

All: -0.146 ± 0.000 $\chi^2/\text{NDF}: 92450860554.6/55$

- sign -0.158 ± 0.000 $\chi^2/\text{NDF}: 42408903901.5/56$

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2947051.9/30

Left Out: 0.007+/-0.000 χ^2/NDF :1143768.6/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3079831.8/33

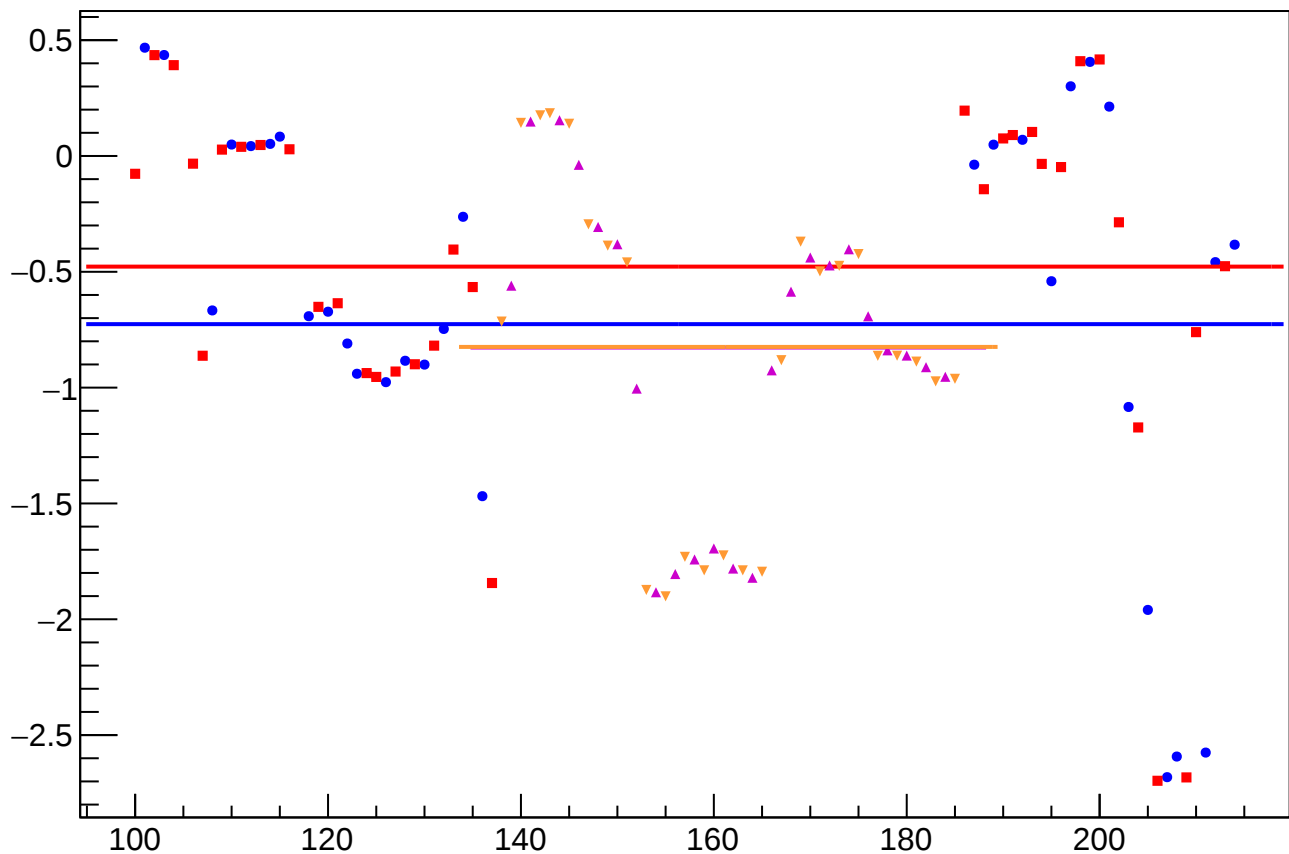
Left In: 0.007+/-0.000 χ^2/NDF :934050.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 4364116.3/55

All: 0.007+/-0.000 χ^2/NDF : 8744335.2/112

- sign 0.007+/-0.000 χ^2/NDF : 4361393.5/56

yield_bpm0r05X_mean vs Slug



Right In: -0.726+/-0.000 χ^2 /NDF: 1766734278.3/30

Left Out: -0.824+/-0.000 χ^2 /NDF: 1103610806.5/24

Right Out: -0.478+/-0.000 χ^2 /NDF: 1474547095.8/33

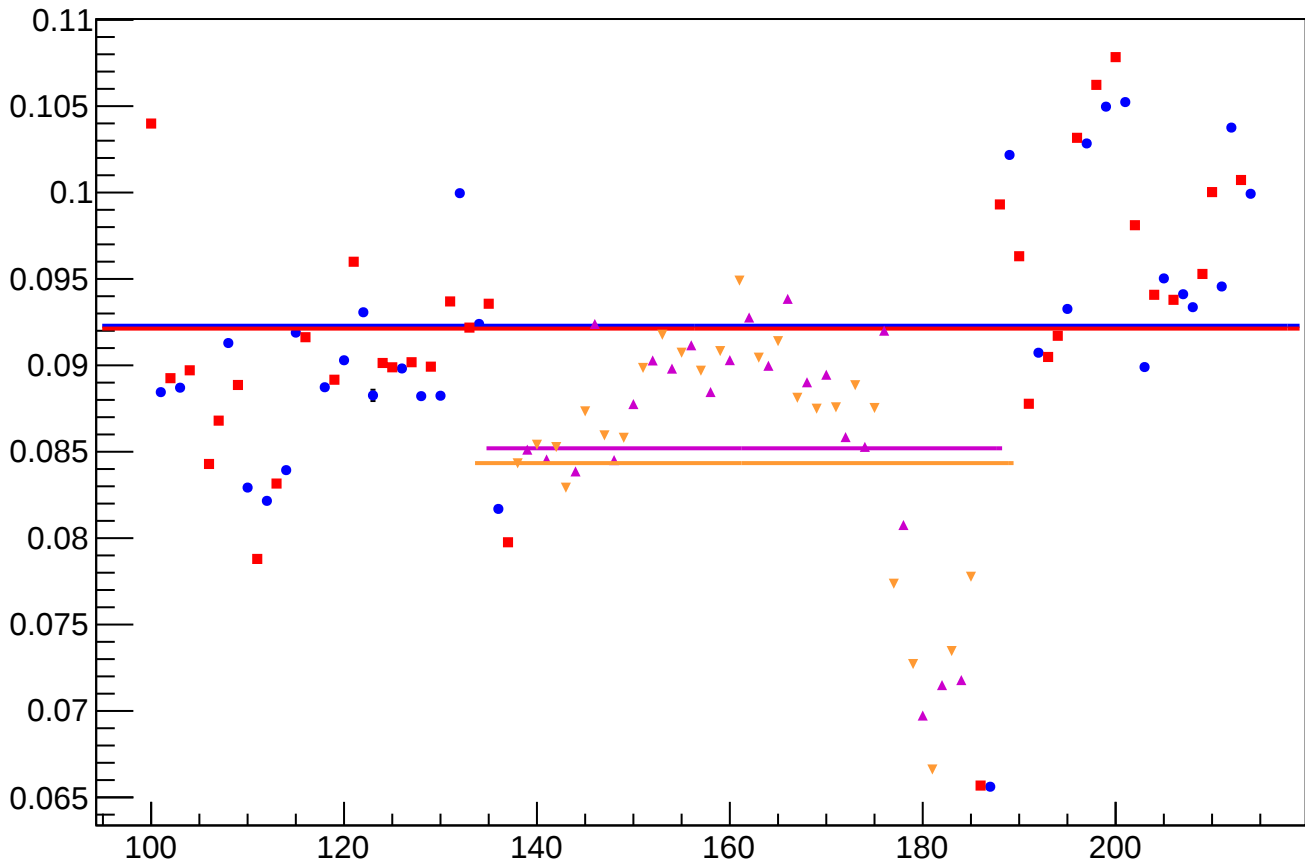
Left In: -0.827+/-0.000 χ^2 /NDF: 921651117.3/22

+ sign -0.782+/-0.000 χ^2 /NDF: 2881007507.0/55

All: -0.725+/-0.000 χ^2 /NDF: 5439602149.0/1

- sign -0.666+/-0.000 χ^2 /NDF: 2528825270.5/56

yield_bpm0r05X_rms vs Slug



Right In: 0.092 $\pm$ 0.000 χ^2 /NDF: 222325.7/30

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.092 $\pm$ 0.000 χ^2 /NDF: 304878.8/33

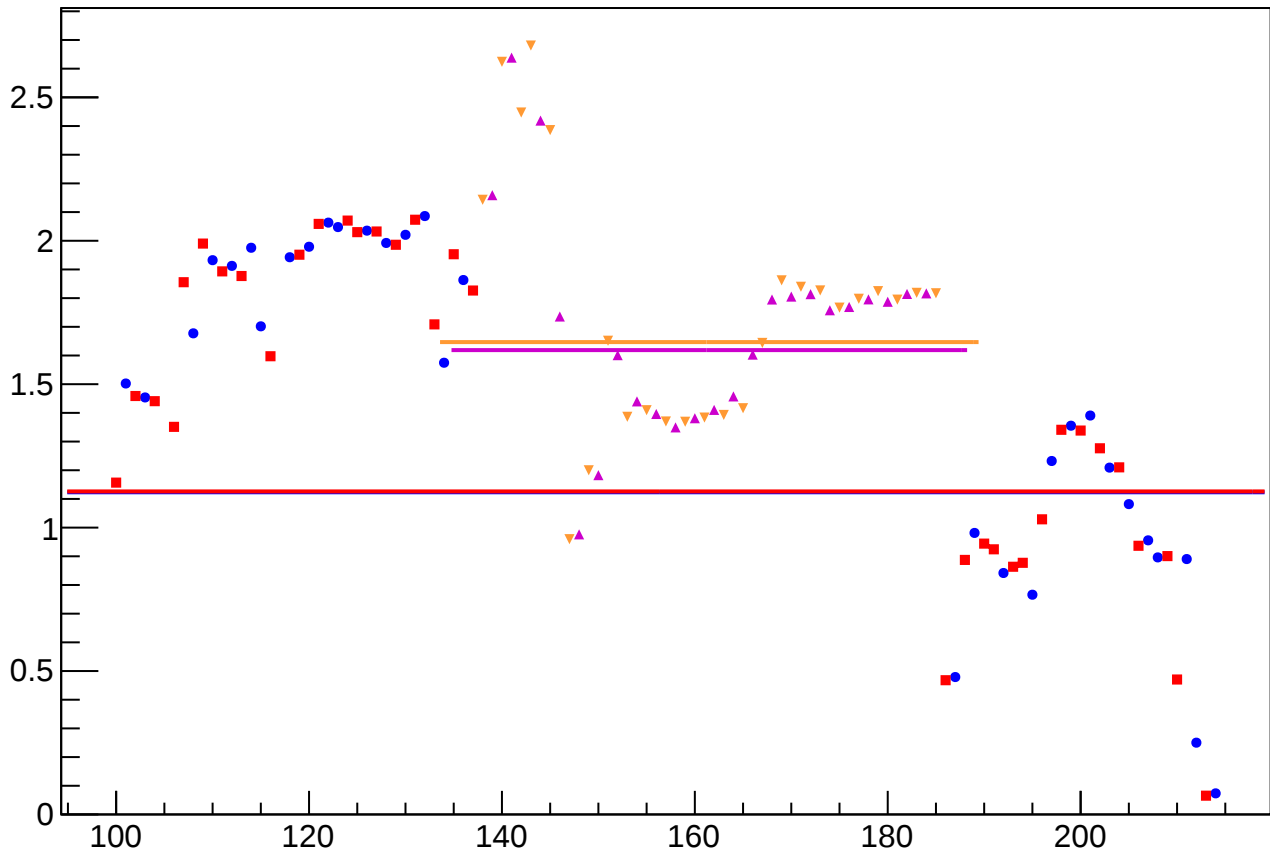
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 650120.7/55

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 1299280.4/112

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 647482.3/56

yield_bpm0r05Y_mean vs Slug



Right In: 1.123 $\pm$ 0.000 χ^2 /NDF: 28176243518.4/30

Left Out: 1.647 $\pm$ 0.000 χ^2 /NDF: 26535241545.7/24

Right Out: 1.126 $\pm$ 0.000 χ^2 /NDF: 24135203484.0/33

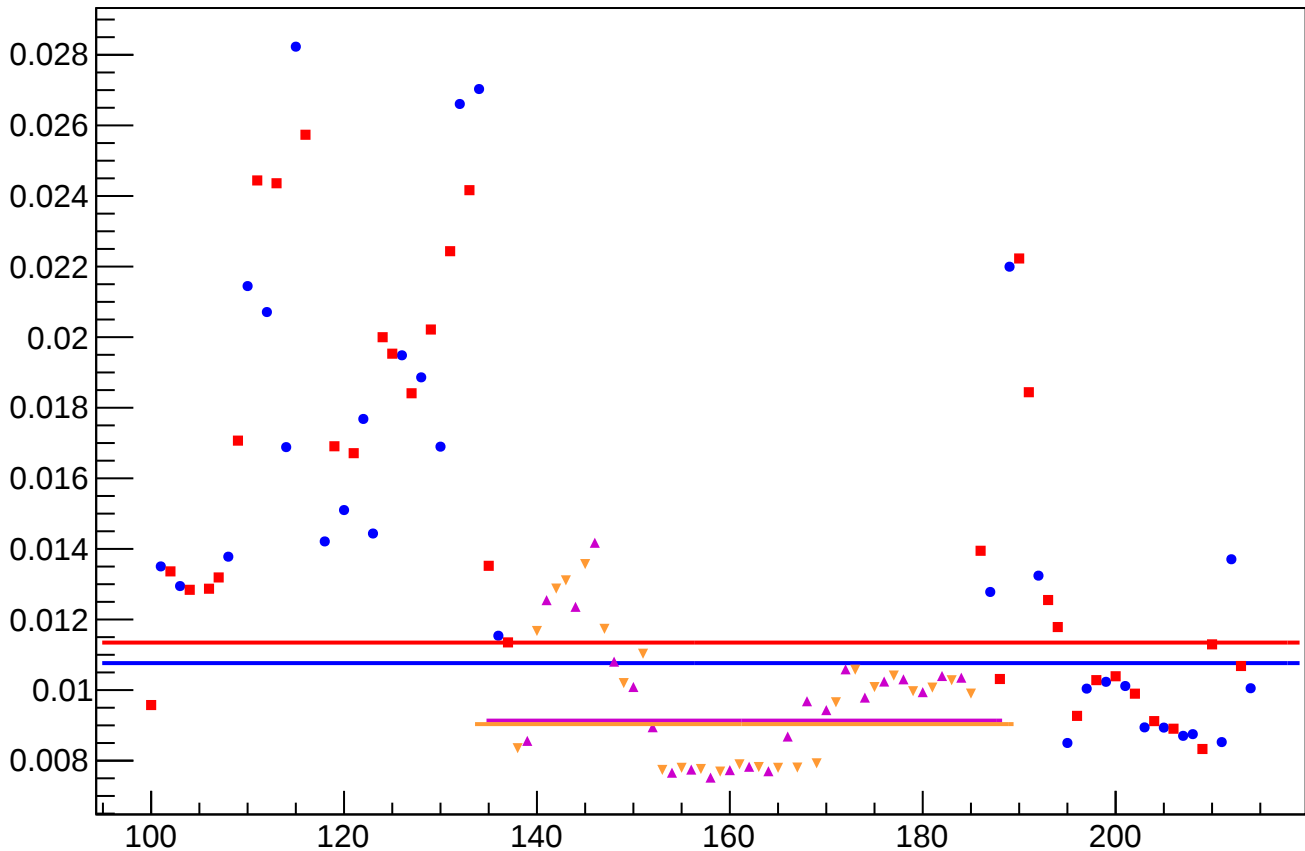
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.450 $\pm$ 0.000 χ^2 /NDF: 76180029400.5/55

All: 1.443 $\pm$ 0.000 χ^2 /NDF: 138340769697.0

- sign 1.435 $\pm$ 0.000 χ^2 /NDF: 62124168350.0/56

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2420295.1/30

Left Out: 0.009+/-0.000 χ^2/NDF :1042871.8/24

Right Out: 0.011+/-0.000 χ^2/NDF : 2529999.9/33

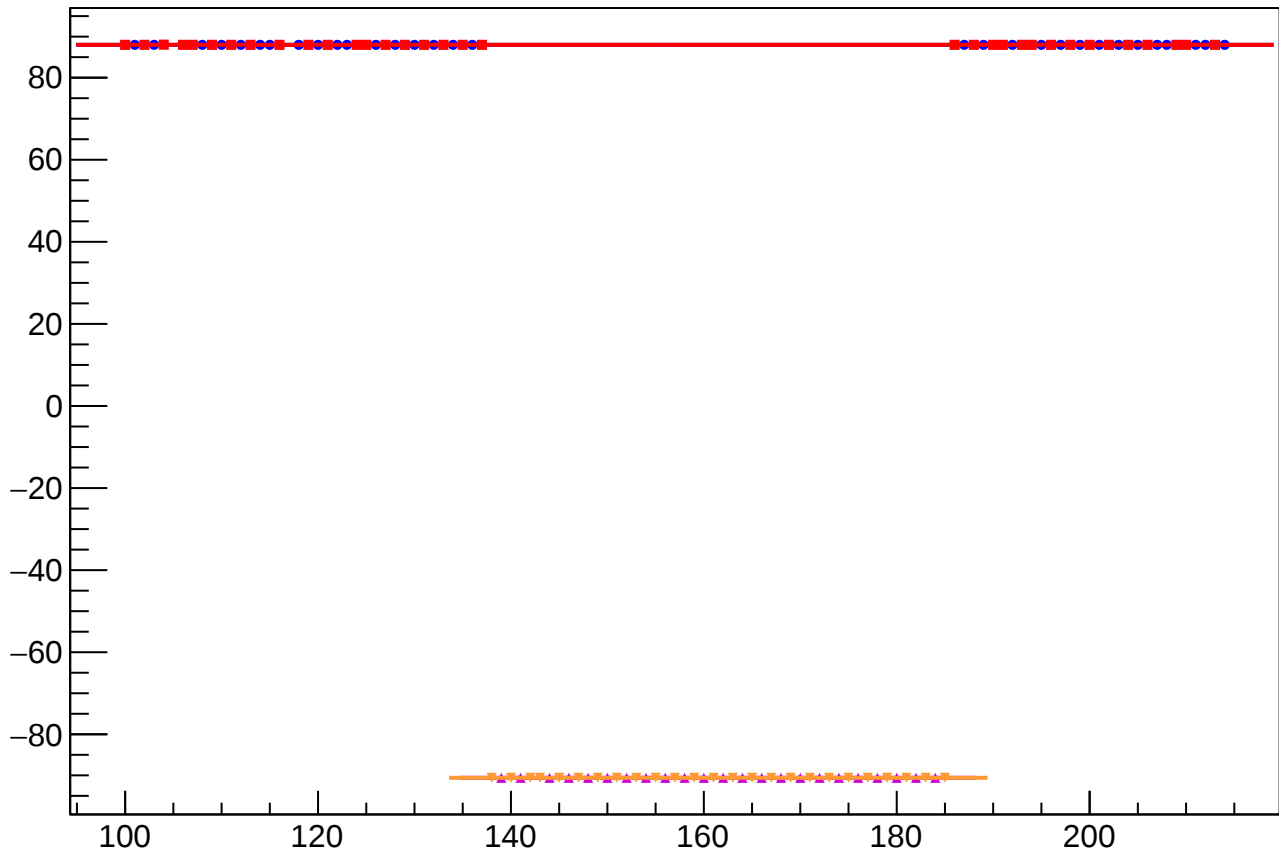
Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3931104.0/55

All: 0.010+/-0.000 χ^2/NDF : 8063504.7/112

- sign 0.010+/-0.000 χ^2/NDF : 4108206.4/56

epics_VWienAngles_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 3197650.8/30

Left Out: -90.599+/-0.000 χ^2/NDF : 5785821.4/24

Right Out: 88.002+/-0.000 χ^2/NDF : 81039712137946389306203439104.0/33

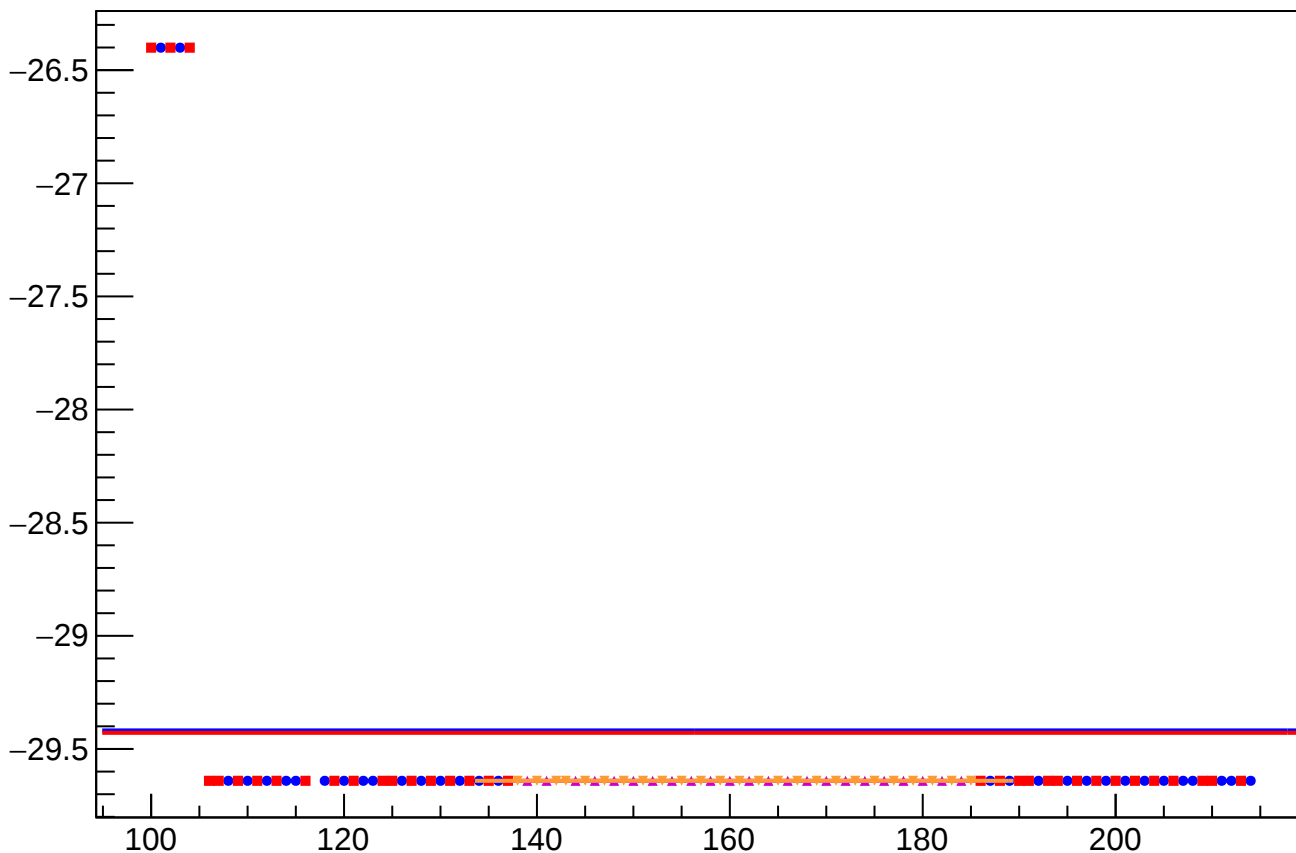
Left In: -90.599+/-0.000 χ^2/NDF : 7134230.8/22

+ sign -5.934+/-0.000 χ^2/NDF : 2880578655289893

All: -3.919+/-0.000 χ^2/NDF : 5729556515982

- sign -1.874+/-0.000 χ^2/NDF : 2846014370988725

epics_HWienAngles_mean vs Slug



Right In: -29.418+/-0.000

χ^2/NDF : 1153586583110067263948033653473280.0/30

Left Out: -29.641+/-0.000

χ^2/NDF : 530354.3/24

+ sign -29.535+/-0.000 χ^2/NDF : 119836103456652

Right Out: -29.429+/-0.000

χ^2/NDF : 1138051151269020880481693009444864.0/33

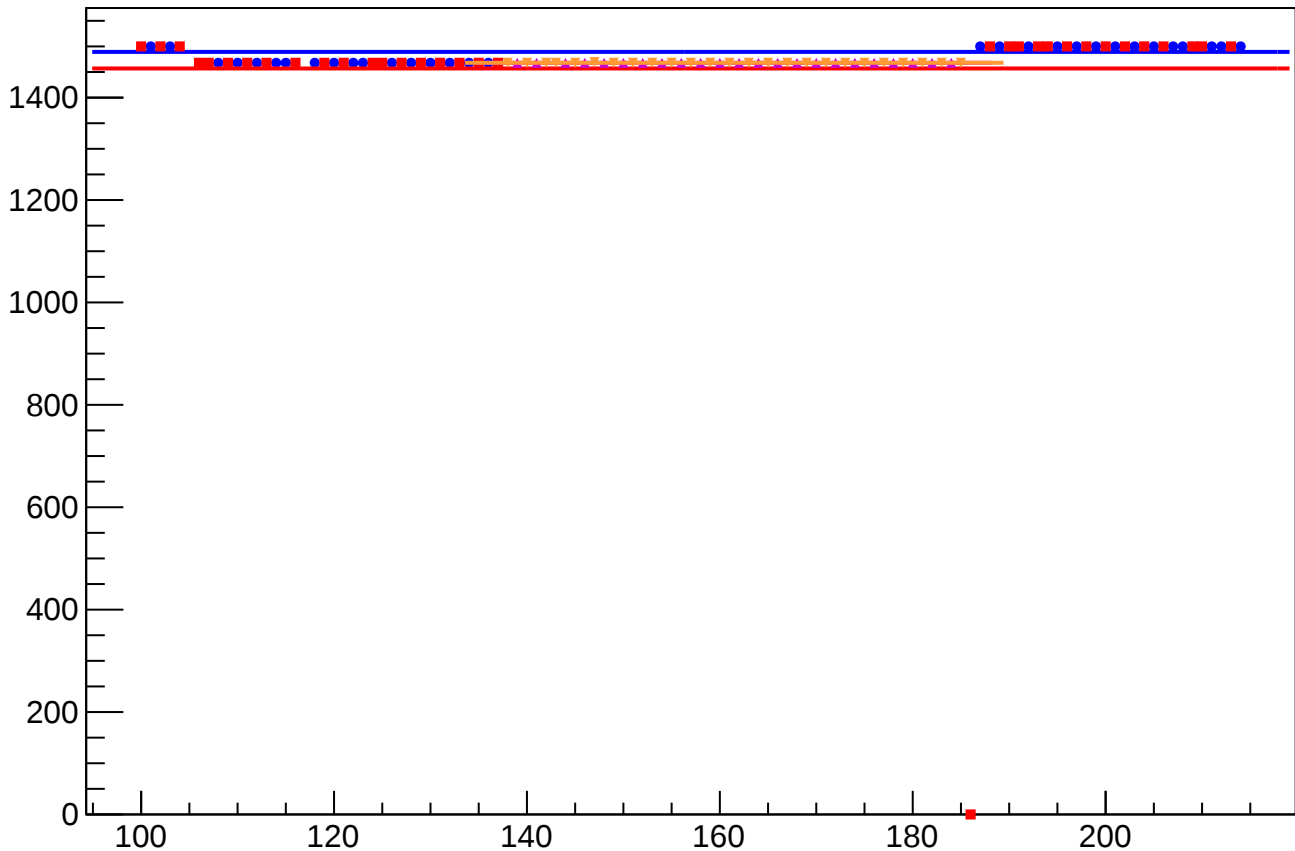
All: -29.535+/-0.000 χ^2/NDF : 237650423429

- sign -29.535+/-0.000 χ^2/NDF : 1178143089044524

Left In: -29.641+/-0.000

χ^2/NDF : 382603.8/22

epics_psub_pl_poss_mean vs Slug



Right In: 1489.315+/-0.000 χ^2/NDF : 391474570024815040171116006536642560.0/30

Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24

Right Out: 1456.943+/-0.000 χ^2/NDF : 82831314757245295880748752022951428096.0/33

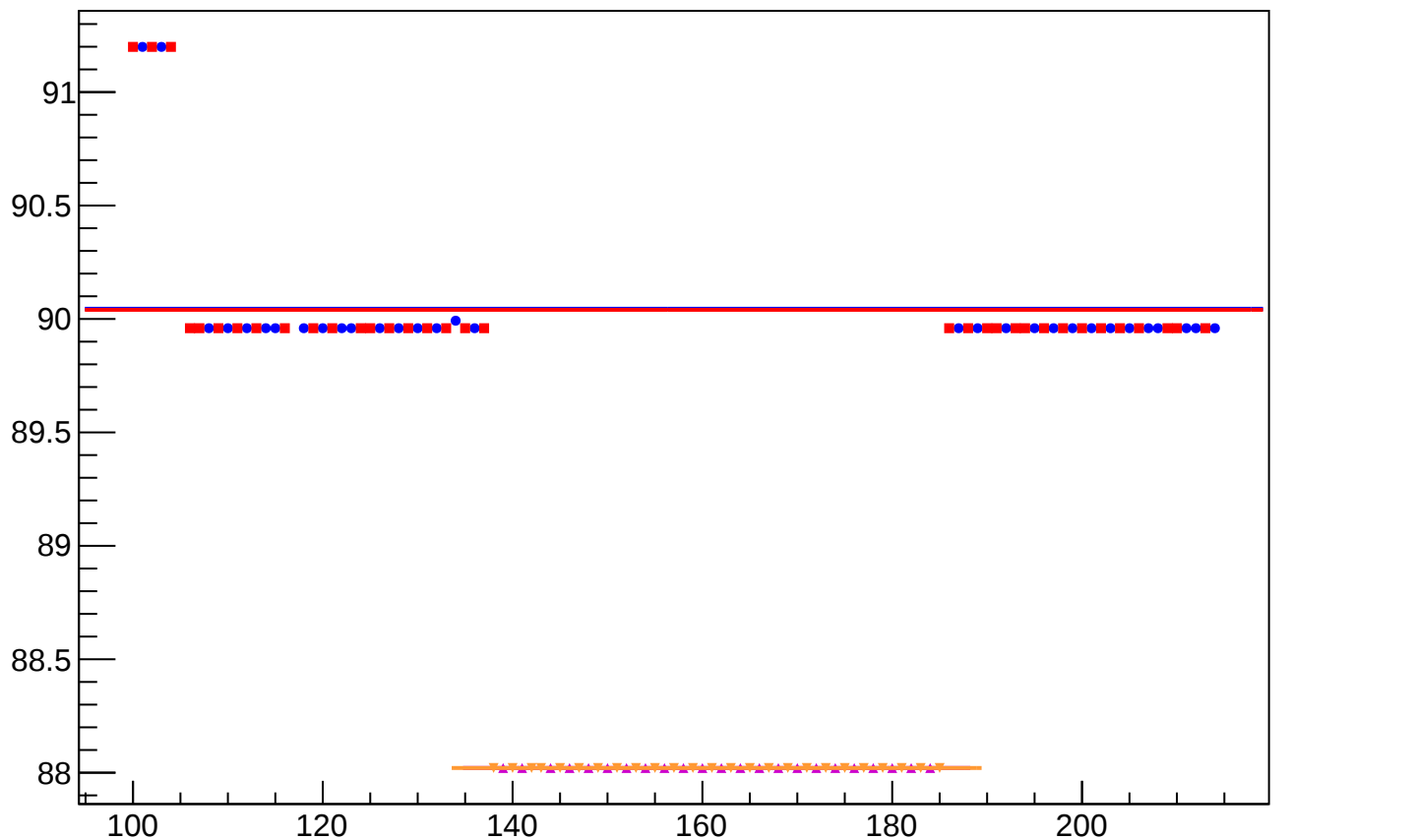
Left In: 1467.994+/-0.000 χ^2/NDF : 144497772795444989723550941184.0/22

+ sign 1478.129+/-0.000 χ^2/NDF : 80003850578390

All: 1470.374+/-0.000 χ^2/NDF : 84179194780

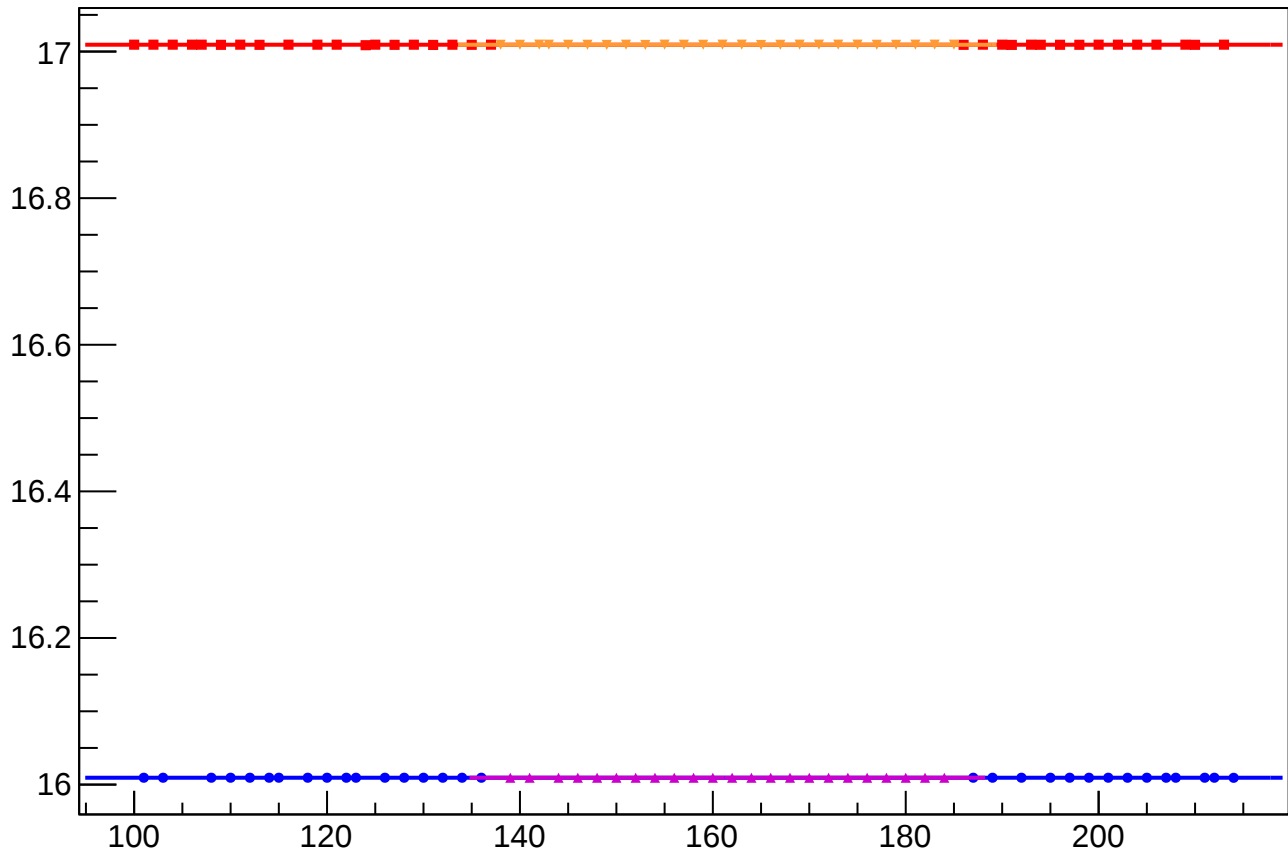
- sign 1462.504+/-0.000 χ^2/NDF : 82940262615086

epics_Phi_FGs_mean vs Slug



Right In: 90.045 $\pm$ 0.000 χ^2 /NDF: 168872011295347805401142460940288.0/30
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5679798.5/24 + sign 88.980 $\pm$ 0.000 χ^2 /NDF: 3869118818643818
 Right Out: 90.040 $\pm$ 0.000 χ^2 /NDF: 166692143936874971510791865368576.0/33 All: 89.002 $\pm$ 0.000 χ^2 /NDF: 7678839150636
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6257169.0/22 - sign 89.024 $\pm$ 0.000 χ^2 /NDF: 3806275063482549

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 842231255044929934589952.0/30

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 20535813240298827063230464.0/33

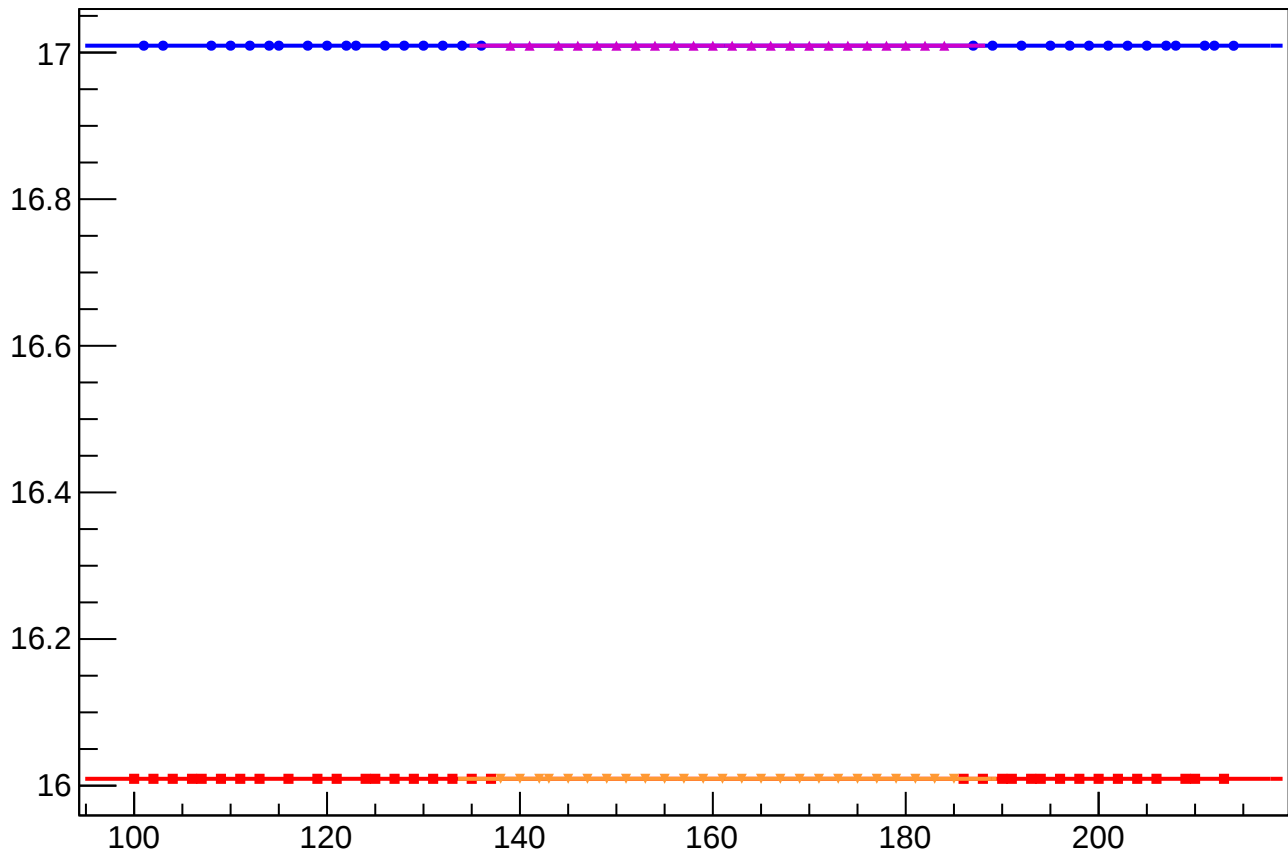
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.522 $\pm$ 0.000 χ^2 /NDF: 8630494663638042

All: 16.518 $\pm$ 0.000 χ^2 /NDF: 1706397517628

- sign 16.515 $\pm$ 0.000 χ^2 /NDF: 8432725983180376

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 842231255183295929909248.0/30

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 61253.5/24

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 302644.9/33

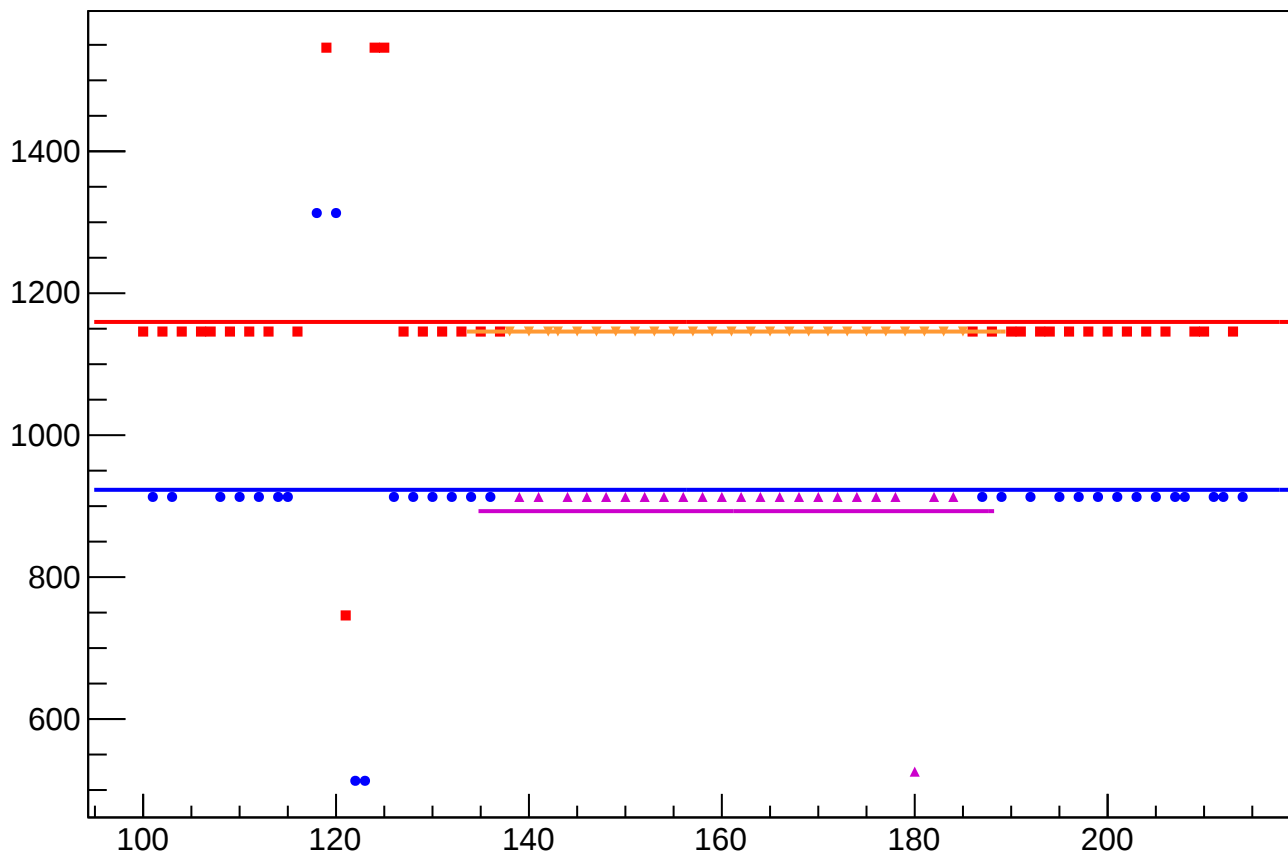
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 114986101427233622065152.0/22

+ sign 16.482 $\pm$ 0.000 χ^2 /NDF: 8887952485310795

All: 16.494 $\pm$ 0.000 χ^2 /NDF: 1769164116228

- sign 16.507 $\pm$ 0.000 χ^2 /NDF: 8792308680449428

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 923.012+/-0.000 χ^2/NDF : 21109056988732852265725022533190680576.0/30

+ sign 1040.299+/-0.000 χ^2/NDF : 66016974639279

Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

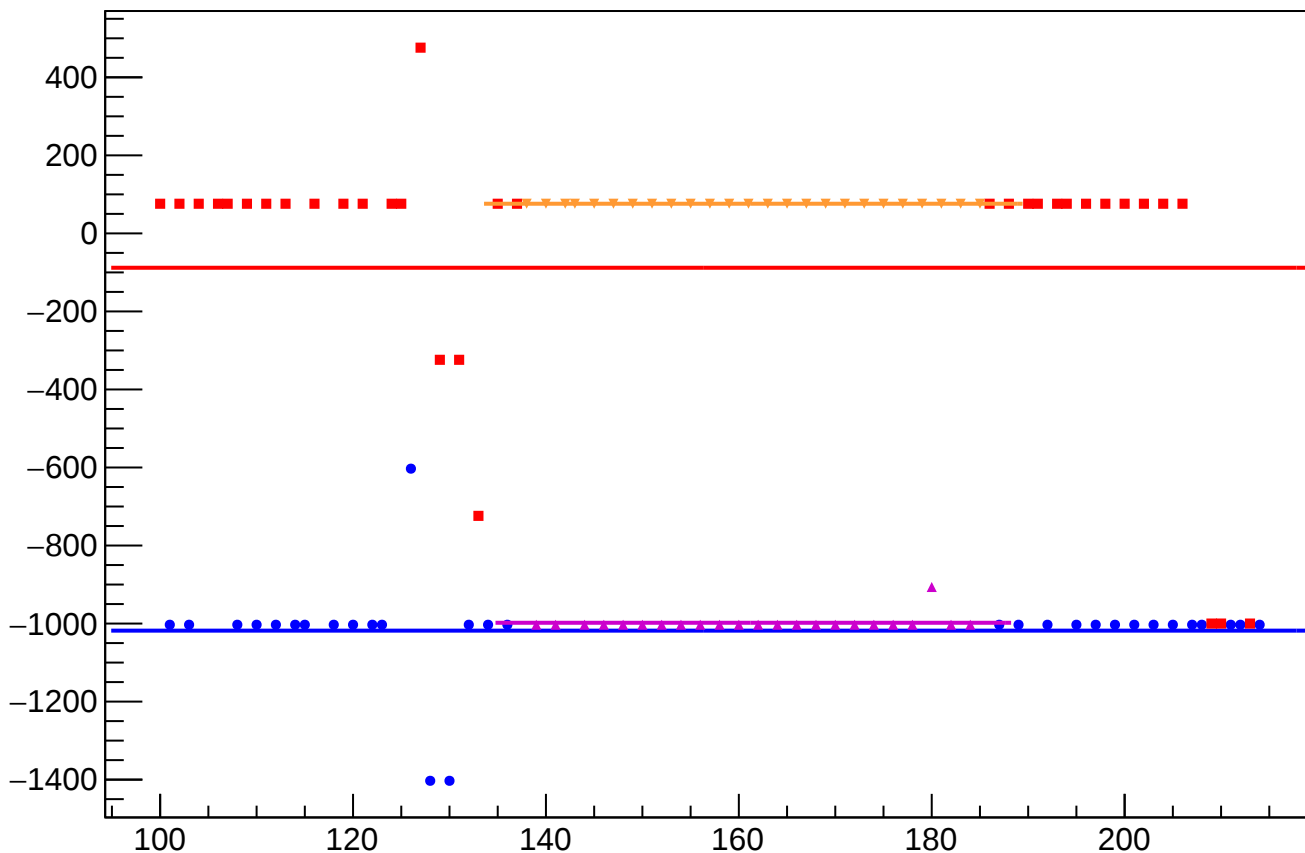
All: 1032.899+/-0.000 χ^2/NDF : 16479881164

Right Out: 1159.546+/-0.000 χ^2/NDF : 21755852214984316784798186999210049536.0/33

- sign 1025.389+/-0.000 χ^2/NDF : 98382219911790

Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1018.131 ± 0.000 χ^2/NDF : 22805976917836085468125181375682707456.0/30

Left Out: 76.011 ± 0.000 χ^2/NDF : 11479003589933272170007363584.0/24

Right Out: -88.061 ± 0.000 χ^2/NDF : 259809232483906796704877021850469662720.0/33

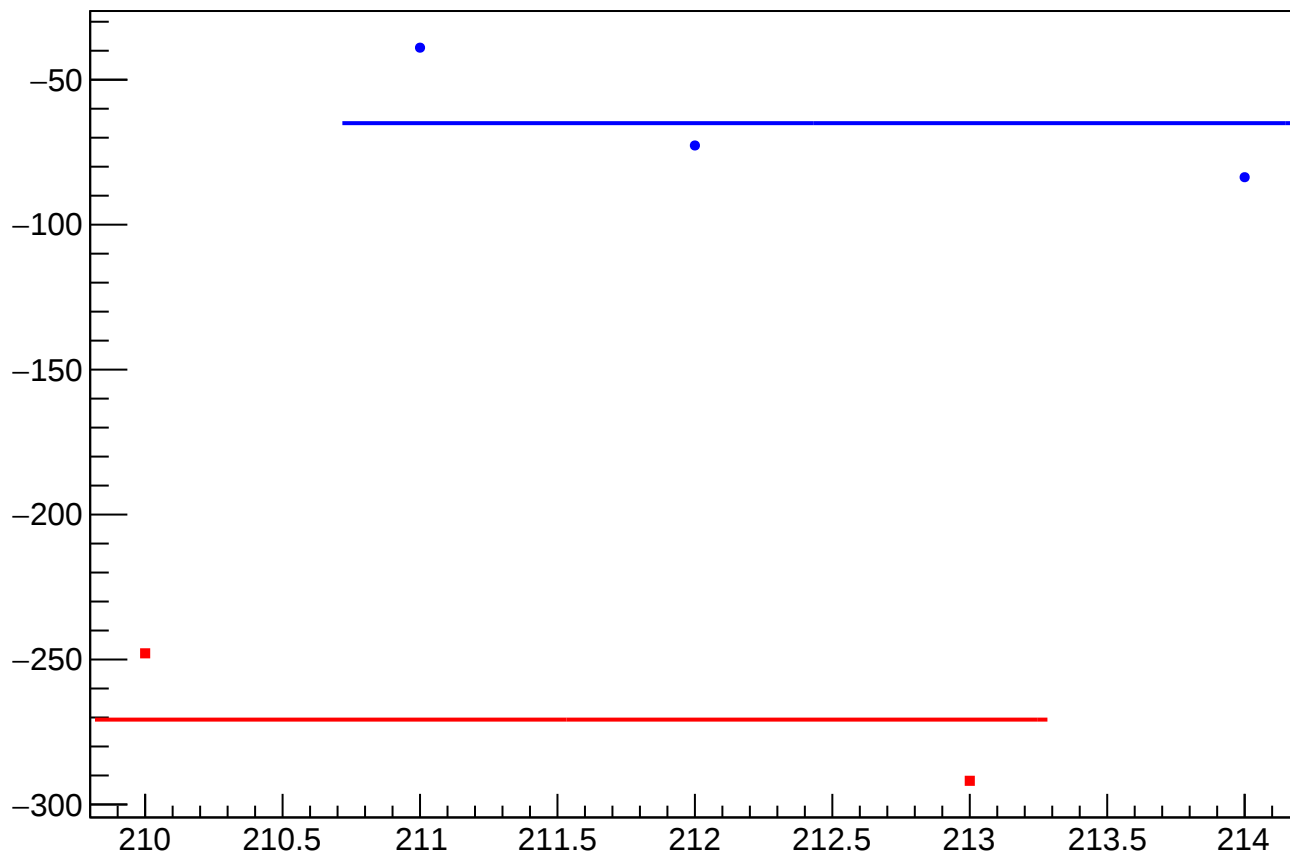
Left In: -997.979 ± 0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22

All: -493.928 ± 0.000 χ^2/NDF : 21224234038

+ sign -442.665 ± 0.000 χ^2/NDF : 11039026833682

- sign -545.952 ± 0.000 χ^2/NDF : 999342882544889

epics_RTPPITA1CNTs_mean vs Slug



Right In: -64.985+/-0.000 χ^2/NDF : 83351748488123261688819192042618880.0/2

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

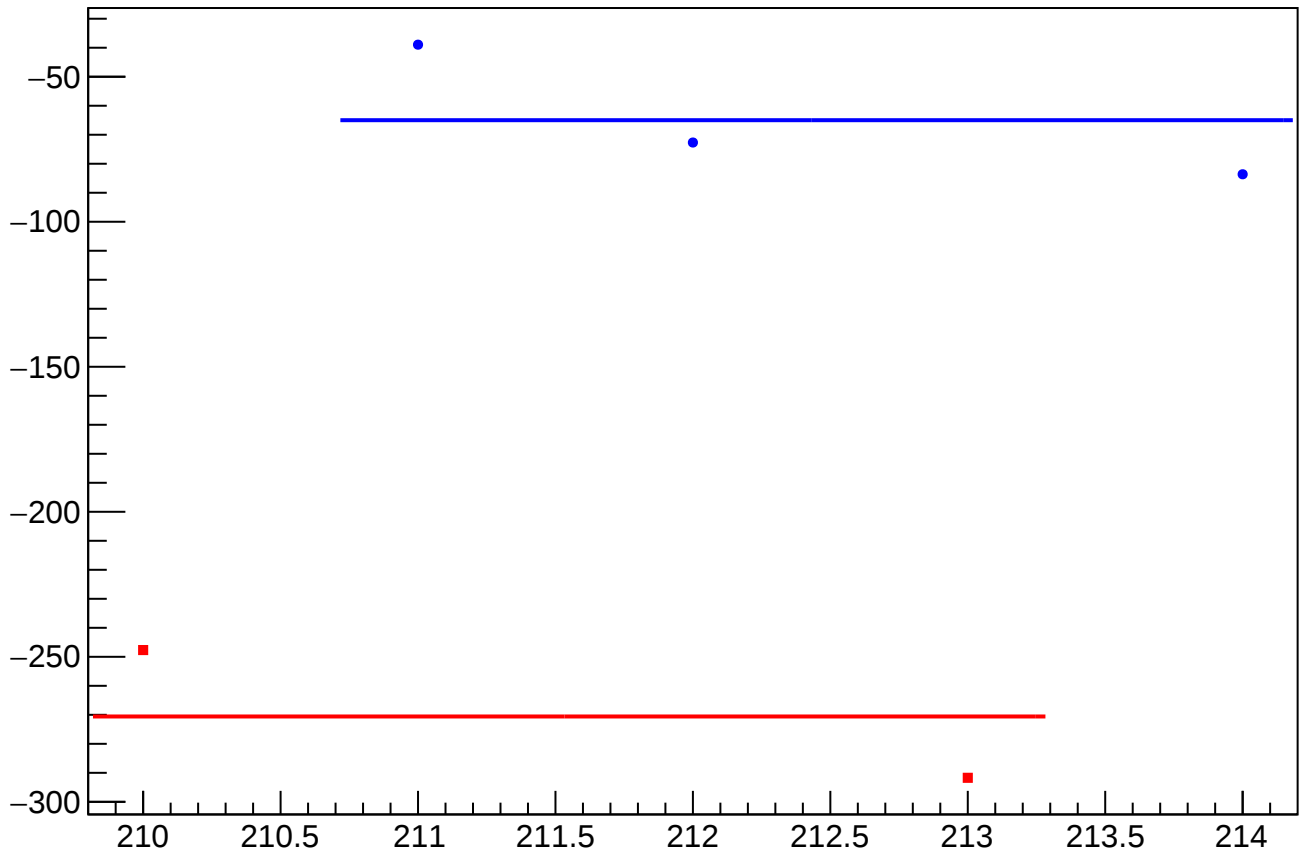
All: -146.629+/-0.000 χ^2/NDF : 39856580123

Right Out: -270.729+/-0.000 χ^2/NDF : 72391751130083692399004283901575168.0/1

- 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: -64.985+/-0.000 χ^2/NDF : 83351748488123261688819192042618880.0/2
+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -146.568+/-0.000 χ^2/NDF : 39801396093

Right Out: -270.574+/-0.000 χ^2/NDF : 72629179805941194116968620035670016.0/1
- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0