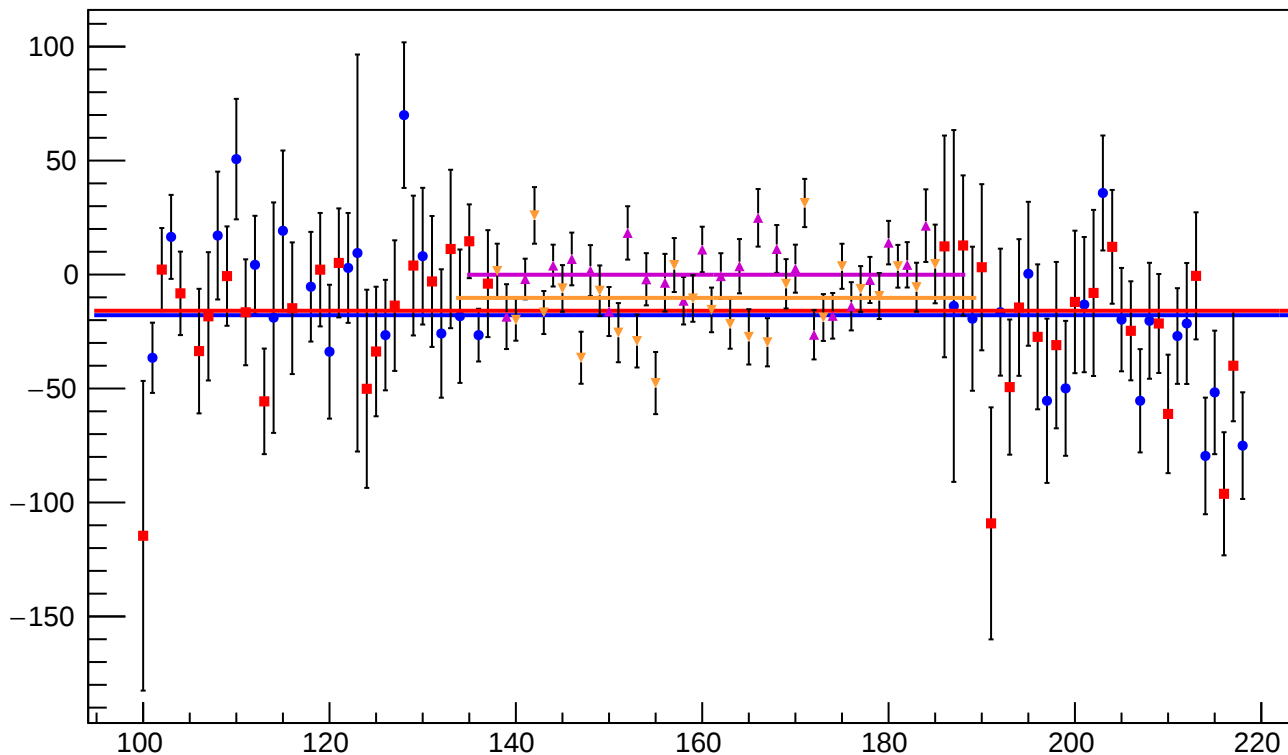


diff_bpm4aX_mean vs Slug



Right In: -17.835 ± 4.320

χ^2/NDF : 49.3/32

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -15.882 ± 4.429

χ^2/NDF : 35.6/35

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -11.769 ± 1.939

χ^2/NDF : 109.9/57

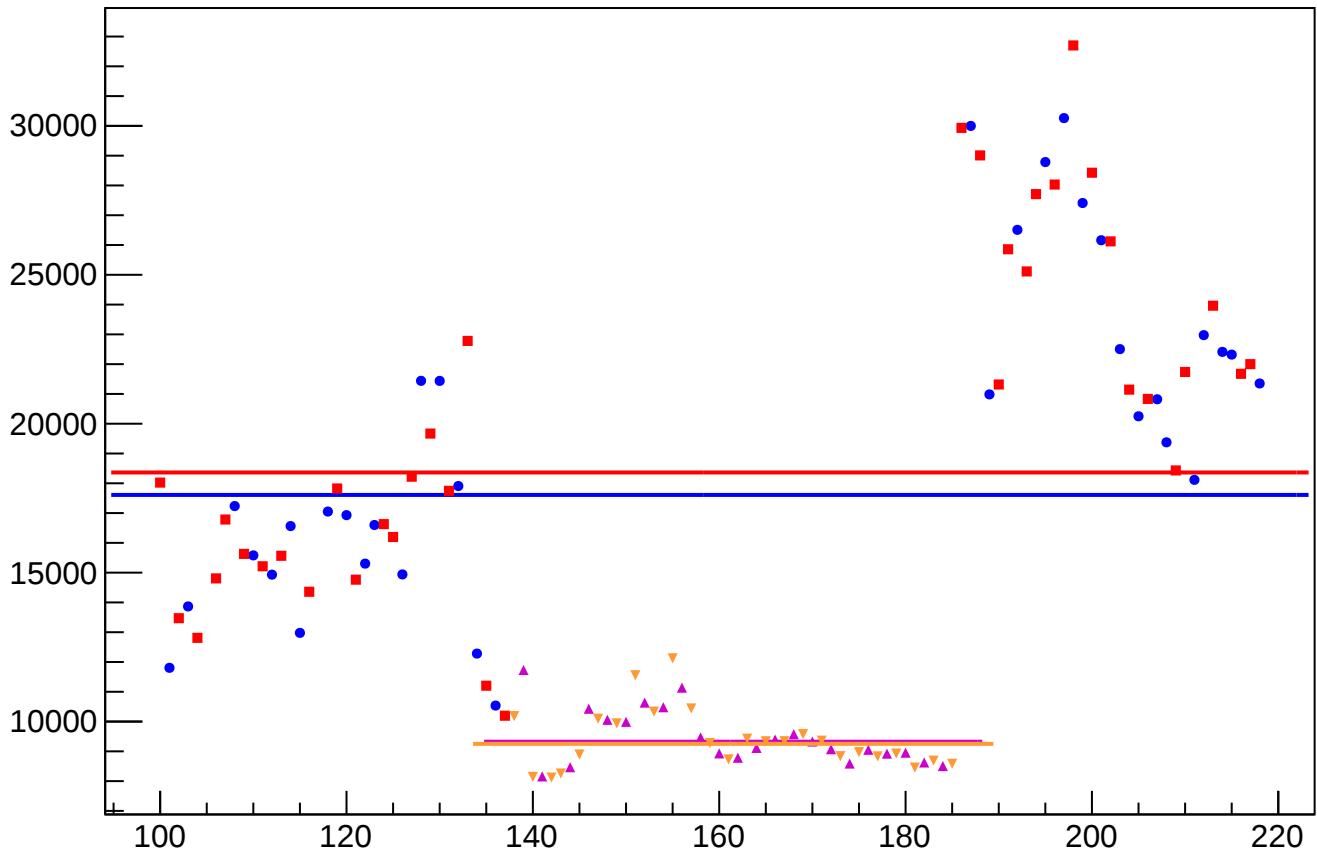
All: -7.690 ± 1.394

χ^2/NDF : 194.7/116

- sign -3.322 ± 2.006

χ^2/NDF : 75.6/58

diff_bpm4aX_rms vs Slug



Right In: 17609.230 $\pm$ 3.055 χ^2 /NDF: 2944988.0/32

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

Right Out: 18363.097 $\pm$ 3.132 χ^2 /NDF: 2973944.9/35

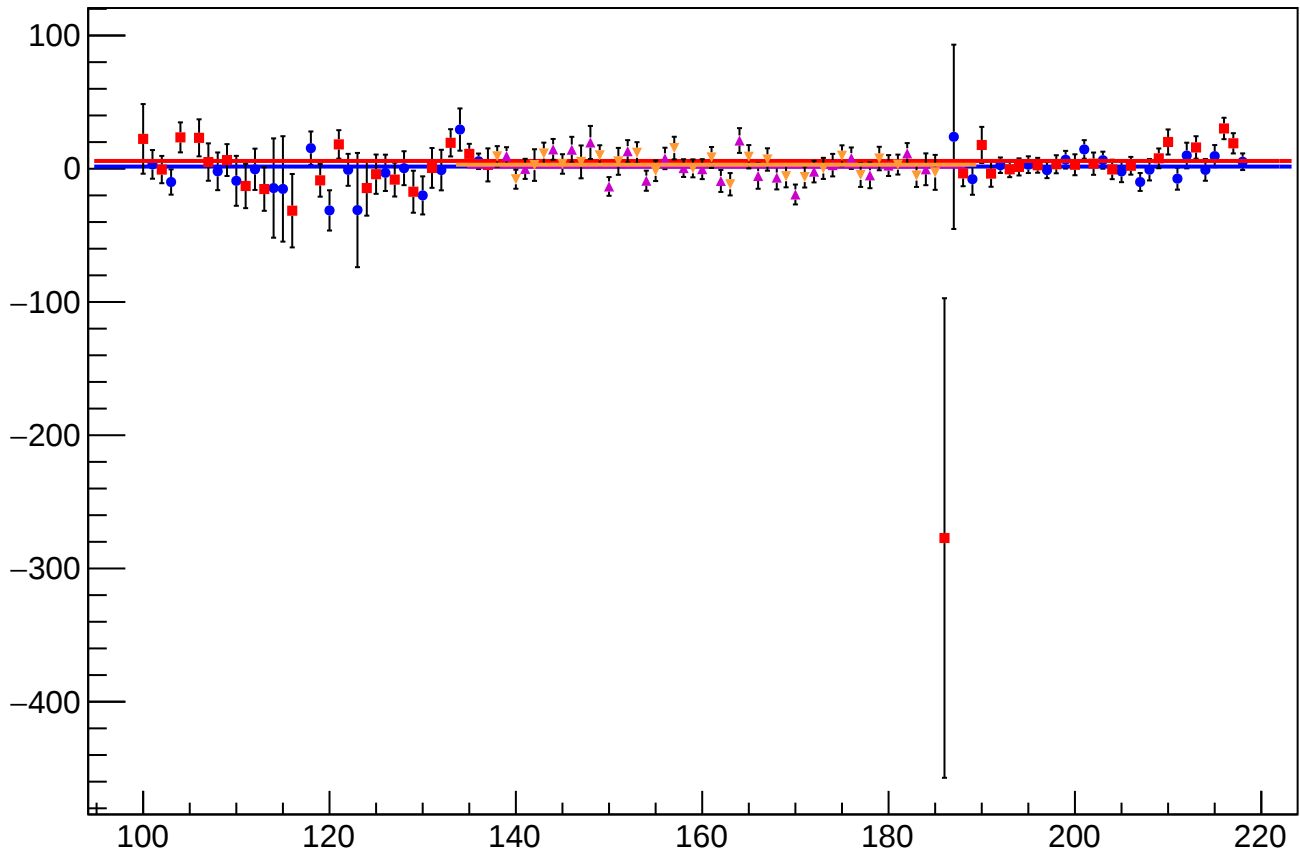
Left In: 9323.983 $\pm$ 1.591 χ^2 /NDF:275717.0/22

+ sign 10936.147 $\pm$ 1.371 χ^2 /NDF: 9254776.5/57

All: 11053.273 $\pm$ 0.986 χ^2 /NDF: 19139402.9

- sign 11178.652 $\pm$ 1.419 χ^2 /NDF: 9869520.9/58

diff_bpm4aY_mean vs Slug



Right In: 1.634 ± 1.588 χ^2/NDF : 27.0/32

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

Right Out: 5.845 ± 1.587 χ^2/NDF : 44.1/35

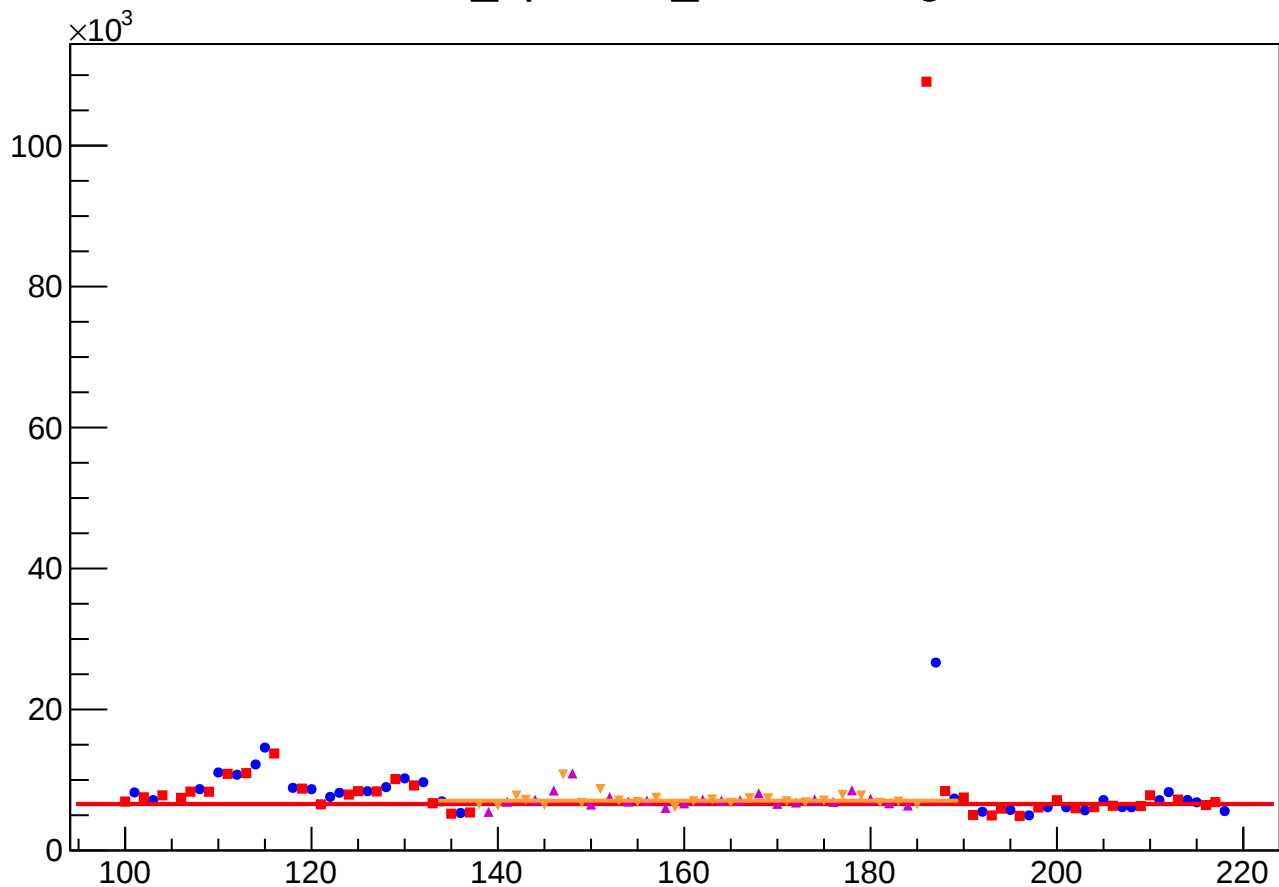
Left In: 1.588 ± 1.703 χ^2/NDF : 35.5/22

+ sign 2.299 ± 1.148 χ^2/NDF : 45.9/57

All: 3.074 ± 0.816 χ^2/NDF : 129.8/116

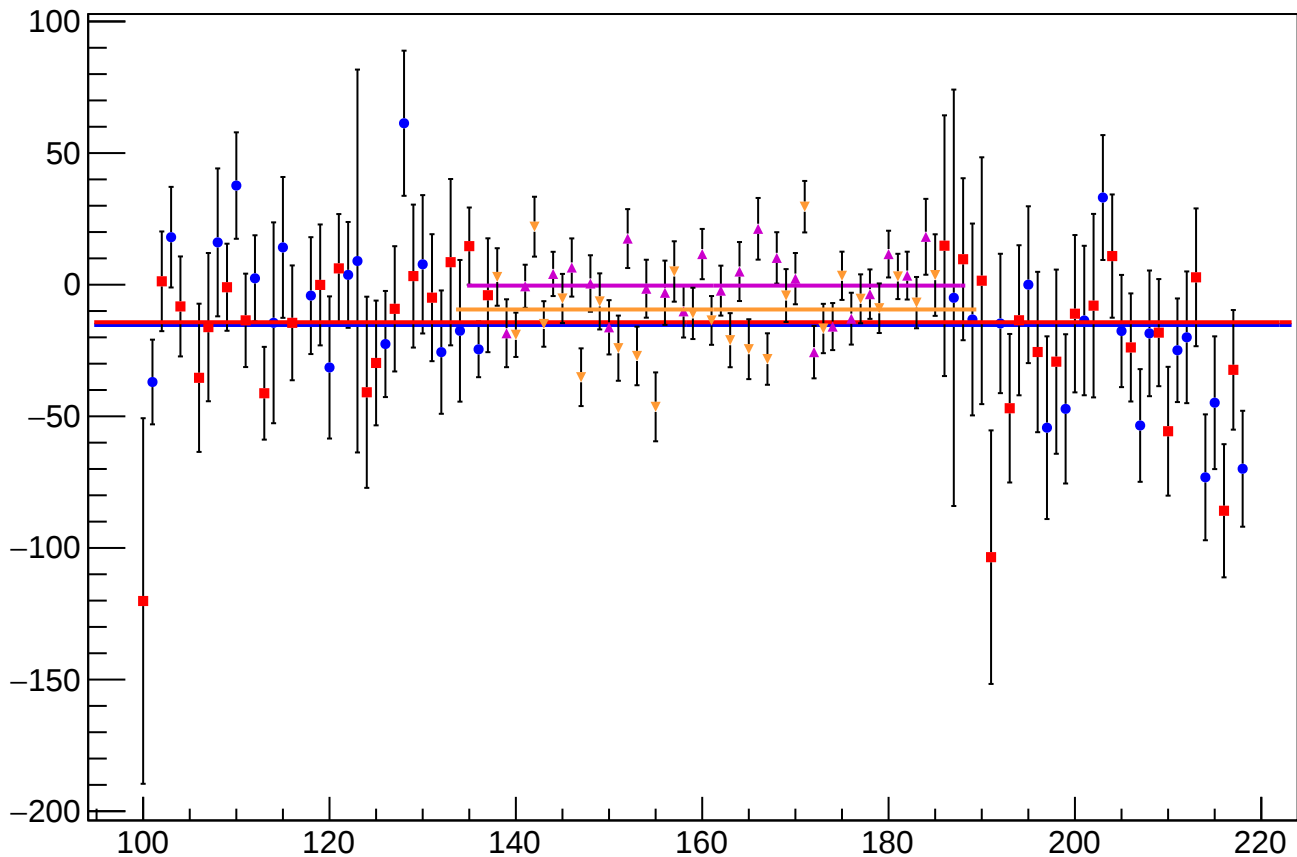
- sign 3.866 ± 1.161 χ^2/NDF : 83.0/58

diff_bpm4aY_rms vs Slug



Right In: 6575.810 ± 1.123 $\chi^2/\text{NDF}: 1665929.6/32$ + sign 6809.158 ± 0.811 $\chi^2/\text{NDF}: 2143225.0/57$
 Left Out: 7064.457 ± 1.174 $\chi^2/\text{NDF}: 386814.9/24$ All: 6803.493 ± 0.577 $\chi^2/\text{NDF}: 4883535.7/11$
 Right Out: 6609.266 ± 1.122 $\chi^2/\text{NDF}: 2154251.2/35$ - sign 6797.695 ± 0.821 $\chi^2/\text{NDF}: 2740212.0/58$
 Left In: 7014.572 ± 1.204 $\chi^2/\text{NDF}: 525313.7/22$

diff_bpm4eX_mean vs Slug



Right In: -15.295 ± 3.959 $\chi^2/\text{NDF}: 50.4/32$

Left Out: -9.411 ± 2.021 $\chi^2/\text{NDF}: 58.8/24$

Right Out: -14.257 ± 4.023 $\chi^2/\text{NDF}: 33.8/35$

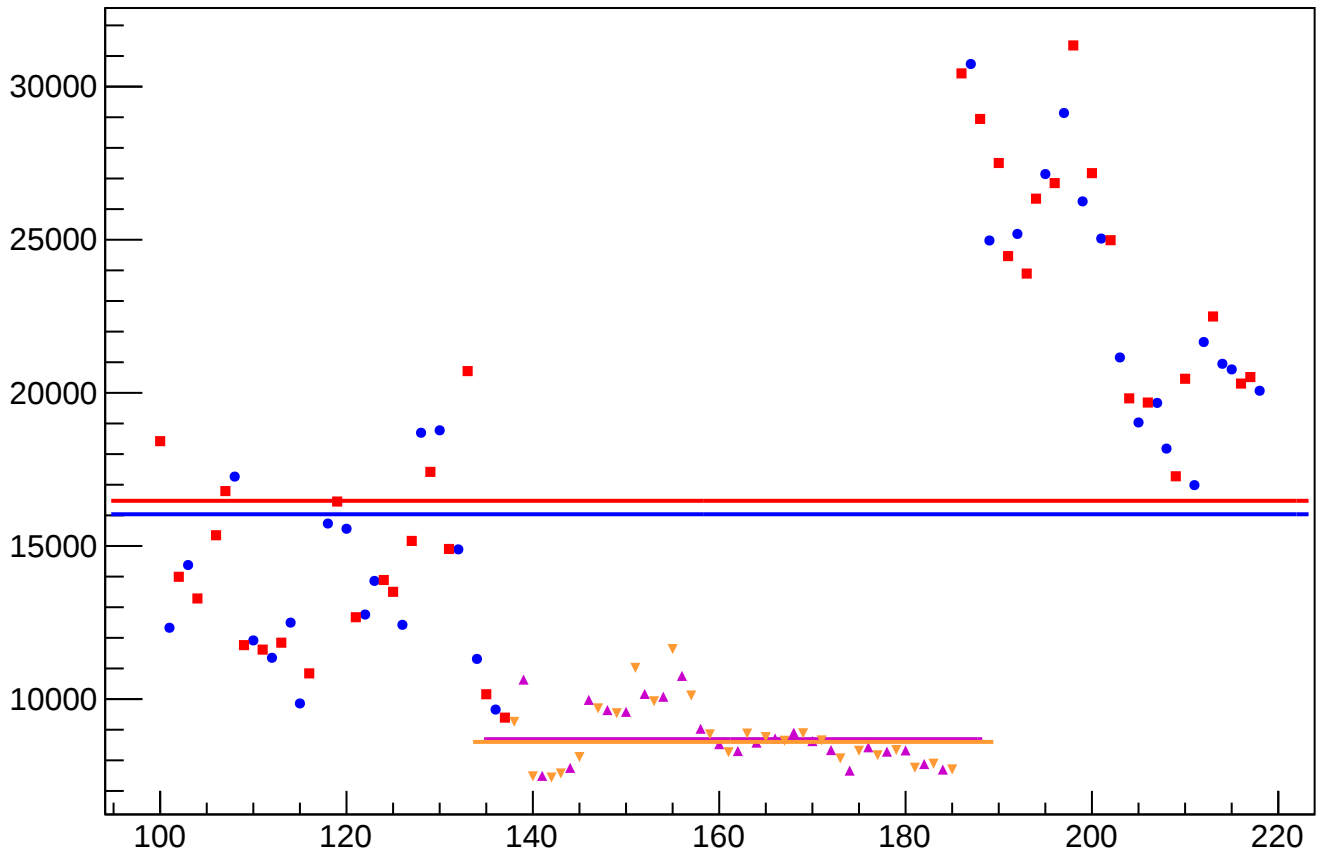
Left In: -0.344 ± 2.100 $\chi^2/\text{NDF}: 29.9/22$

+ sign -10.628 ± 1.800 $\chi^2/\text{NDF}: 110.9/57$

All: -7.099 ± 1.294 $\chi^2/\text{NDF}: 192.0/116$

- sign -3.324 ± 1.862 $\chi^2/\text{NDF}: 73.1/58$

diff_bpm4eX_rms vs Slug



Right In: 16035.462 $\pm$ 2.799 χ^2 /NDF: 3435500.8/32

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

Right Out: 16475.151 $\pm$ 2.845 χ^2 /NDF: 3788475.8/35

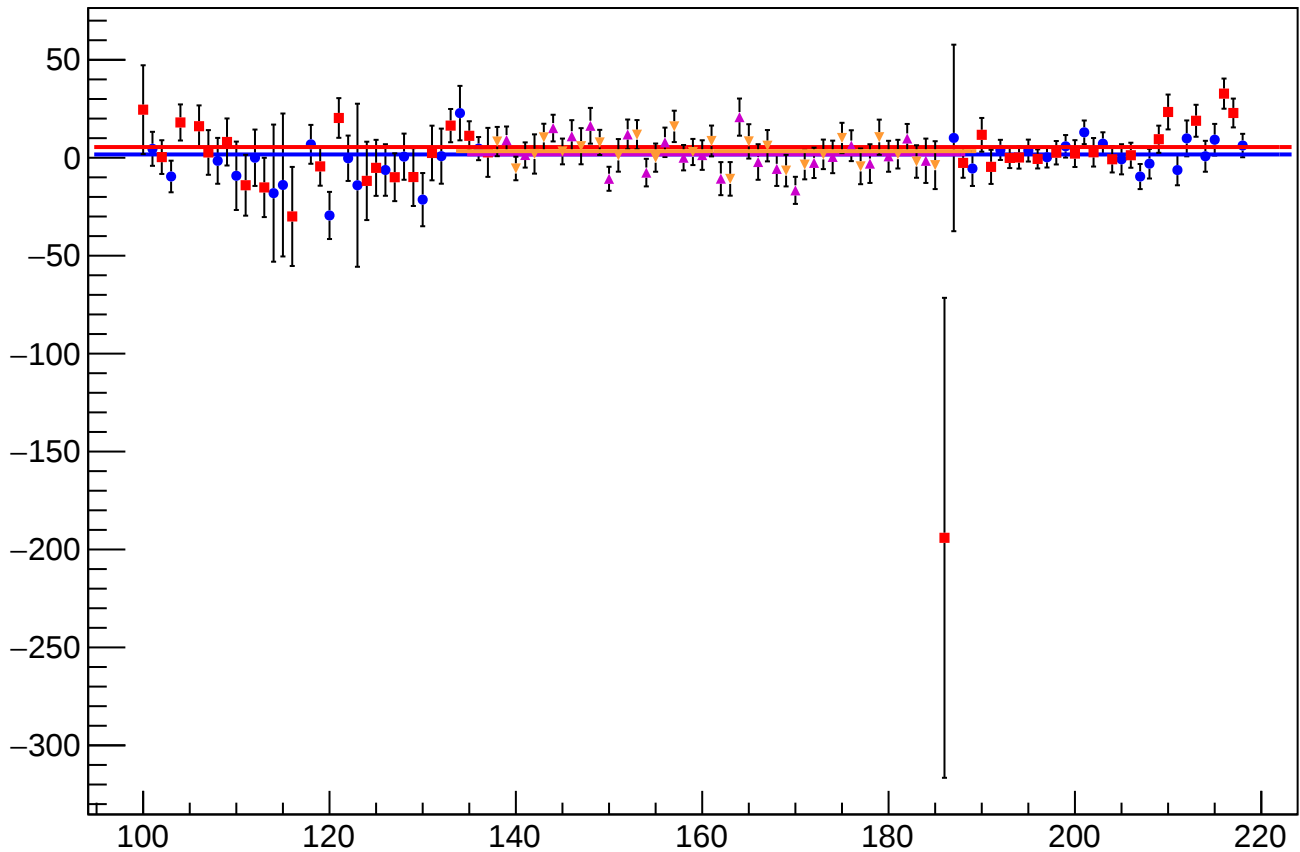
Left In: 8691.203 $\pm$ 1.485 χ^2 /NDF:365254.6/22

+ sign 10138.981 $\pm$ 1.273 χ^2 /NDF: 9467816.8/57

All: 10245.015 $\pm$ 0.915 χ^2 /NDF: 19518849.4

- sign 10358.480 $\pm$ 1.317 χ^2 /NDF: 10036665.6/58

diff_bpm4eY_mean vs Slug



Right In: 1.688 ± 1.441 χ^2/NDF : 28.9/32

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

Right Out: 5.463 ± 1.420 χ^2/NDF : 55.2/35

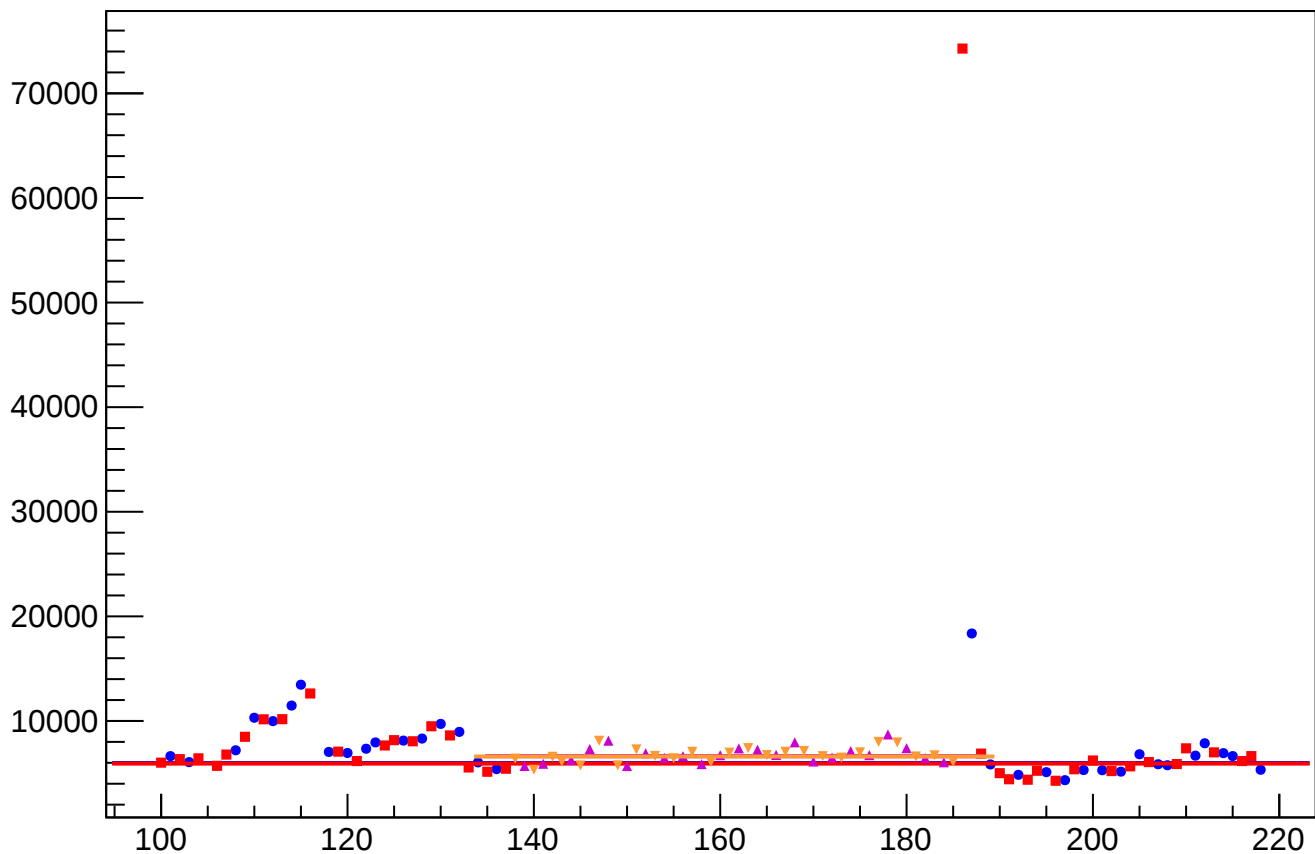
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.469 ± 1.056 χ^2/NDF : 46.7/57

All: 3.148 ± 0.750 χ^2/NDF : 139.3/116

- sign 3.837 ± 1.064 χ^2/NDF : 91.8/58

diff_bpm4eY_rms vs Slug



Right In: 5976.296 ± 1.019 χ^2/NDF : 1668930.0/32

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

Right Out: 5926.239 ± 1.004 χ^2/NDF : 2254592.1/35

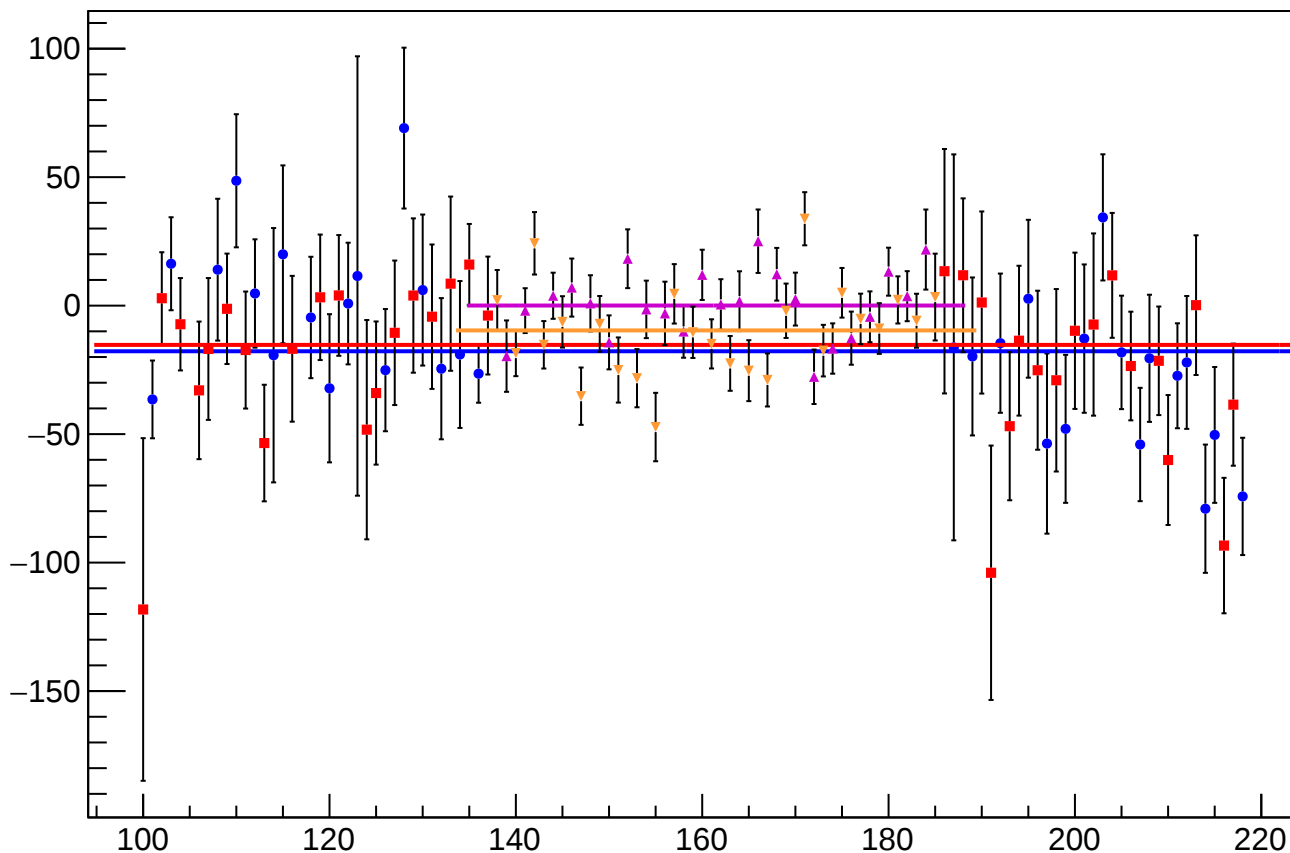
Left In: 6637.155 ± 1.136 χ^2/NDF : 415547.5/22

+ sign 6267.019 ± 0.747 χ^2/NDF : 2239818.2/57

All: 6252.655 ± 0.530 χ^2/NDF : 5130432.2/11

- sign 6238.067 ± 0.753 χ^2/NDF : 2889868.3/58

diff_bpm4acX_mean vs Slug



Right In: -17.755 ± 4.222 $\chi^2/\text{NDF}: 49.5/32$

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

Right Out: -15.279 ± 4.331 $\chi^2/\text{NDF}: 35.7/35$

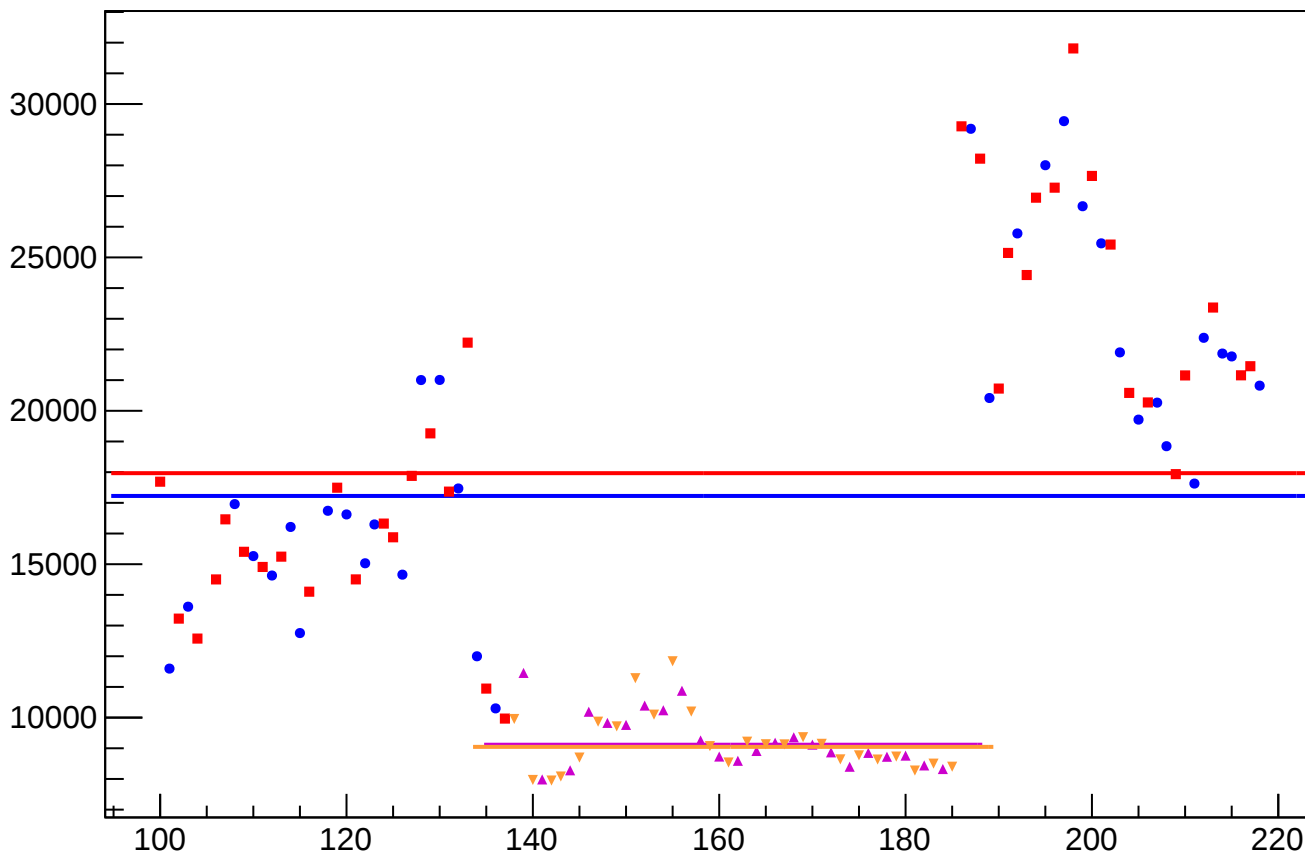
Left In: 0.042 ± 2.200 $\chi^2/\text{NDF}: 30.8/22$

+ sign -11.276 ± 1.896 $\chi^2/\text{NDF}: 112.3/57$

All: -7.328 ± 1.363 $\chi^2/\text{NDF}: 197.7/116$

- sign -3.101 ± 1.962 $\chi^2/\text{NDF}: 76.4/58$

diff_bpm4acX_rms vs Slug



Right In: 17224.933+/-2.986 χ^2/NDF : 2896816.6/32

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

Right Out: 17967.437+/-3.062 χ^2/NDF : 2920306.3/35

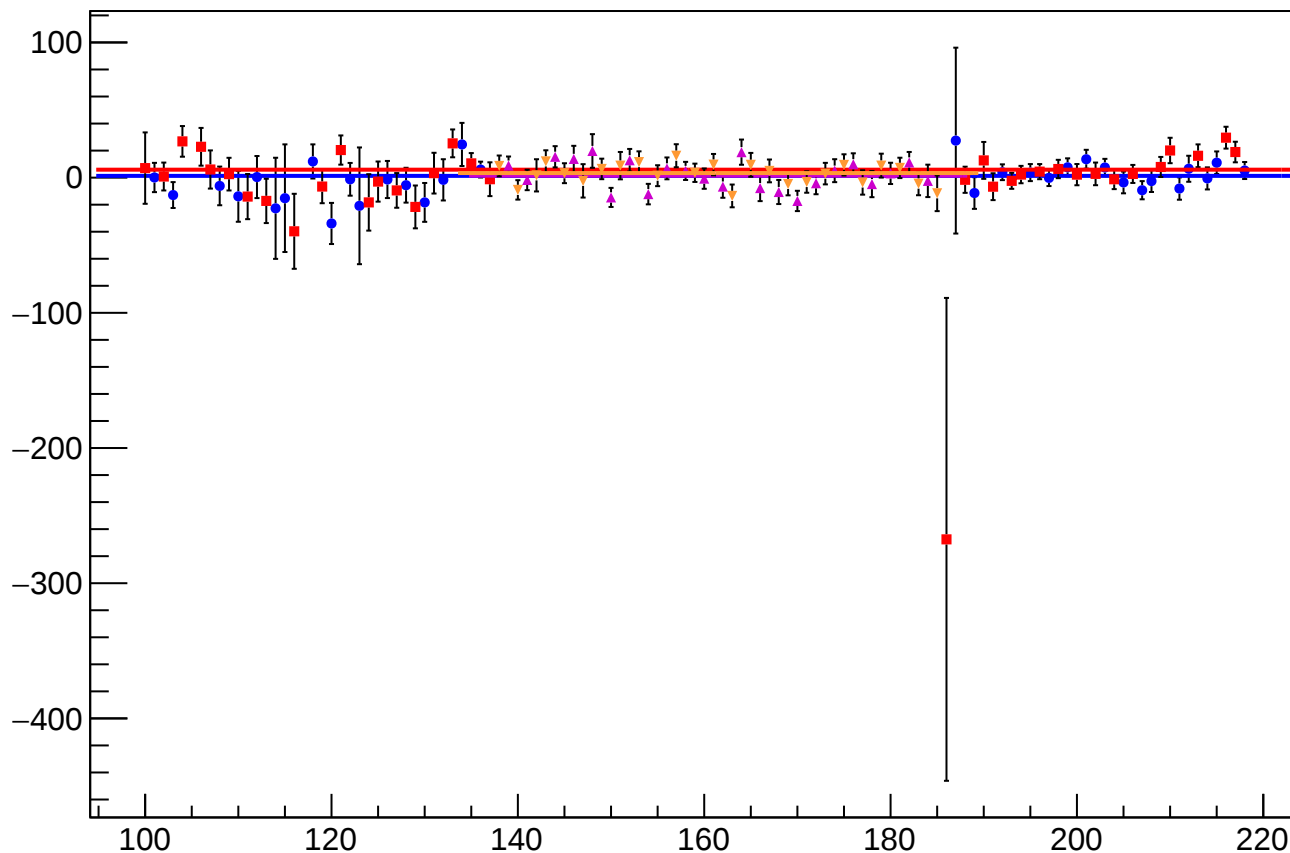
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 10694.773+/-1.341 χ^2/NDF : 9216947.9/57

All: 10809.243+/-0.964 χ^2/NDF : 19066207.1

- sign 10931.782+/-1.387 χ^2/NDF : 9834162.3/58

diff_bpm4acY_mean vs Slug



Right In: 1.307 ± 1.593 χ^2/NDF : 28.3/32

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

Right Out: 5.888 ± 1.593 χ^2/NDF : 48.6/35

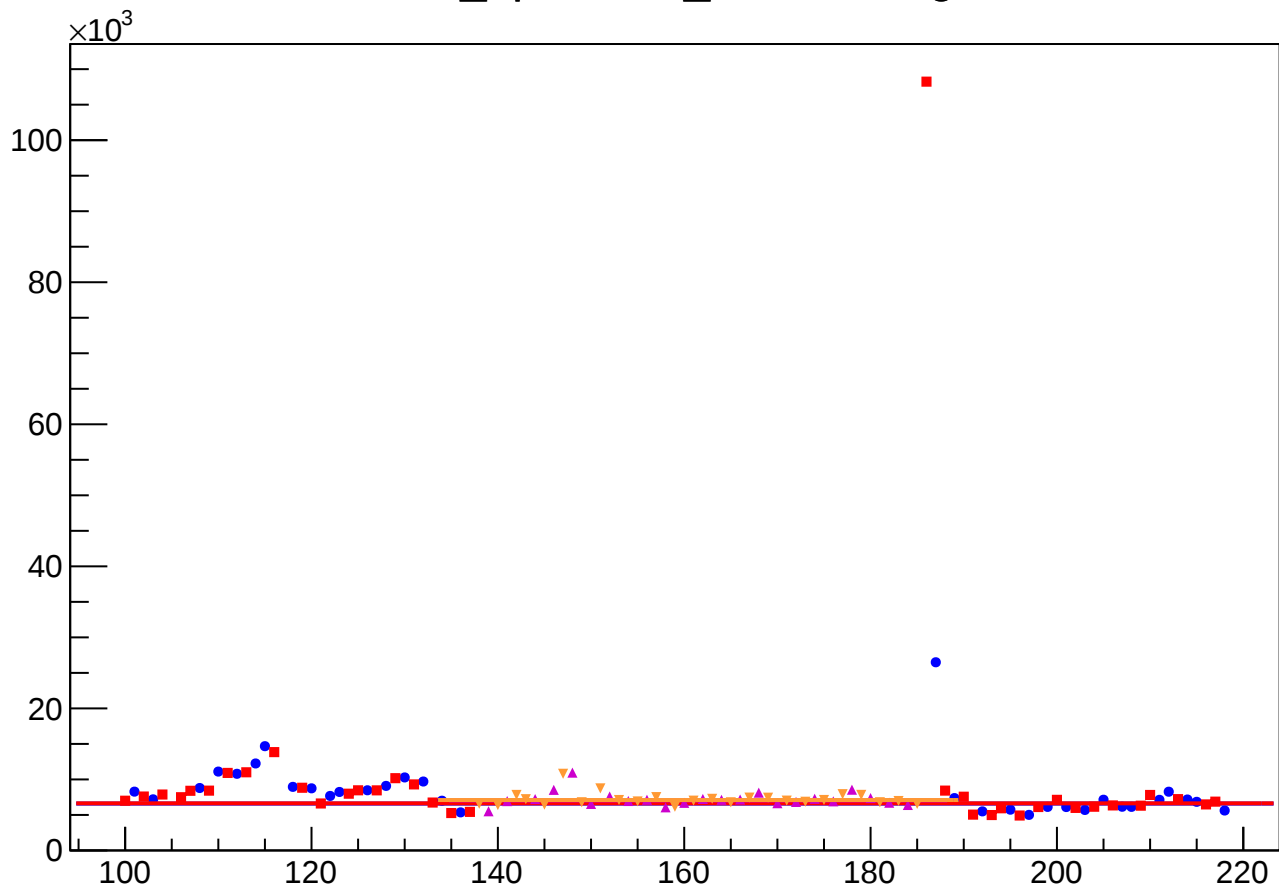
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

+ sign 2.299 ± 1.152 χ^2/NDF : 48.4/57

All: 3.060 ± 0.819 χ^2/NDF : 138.3/116

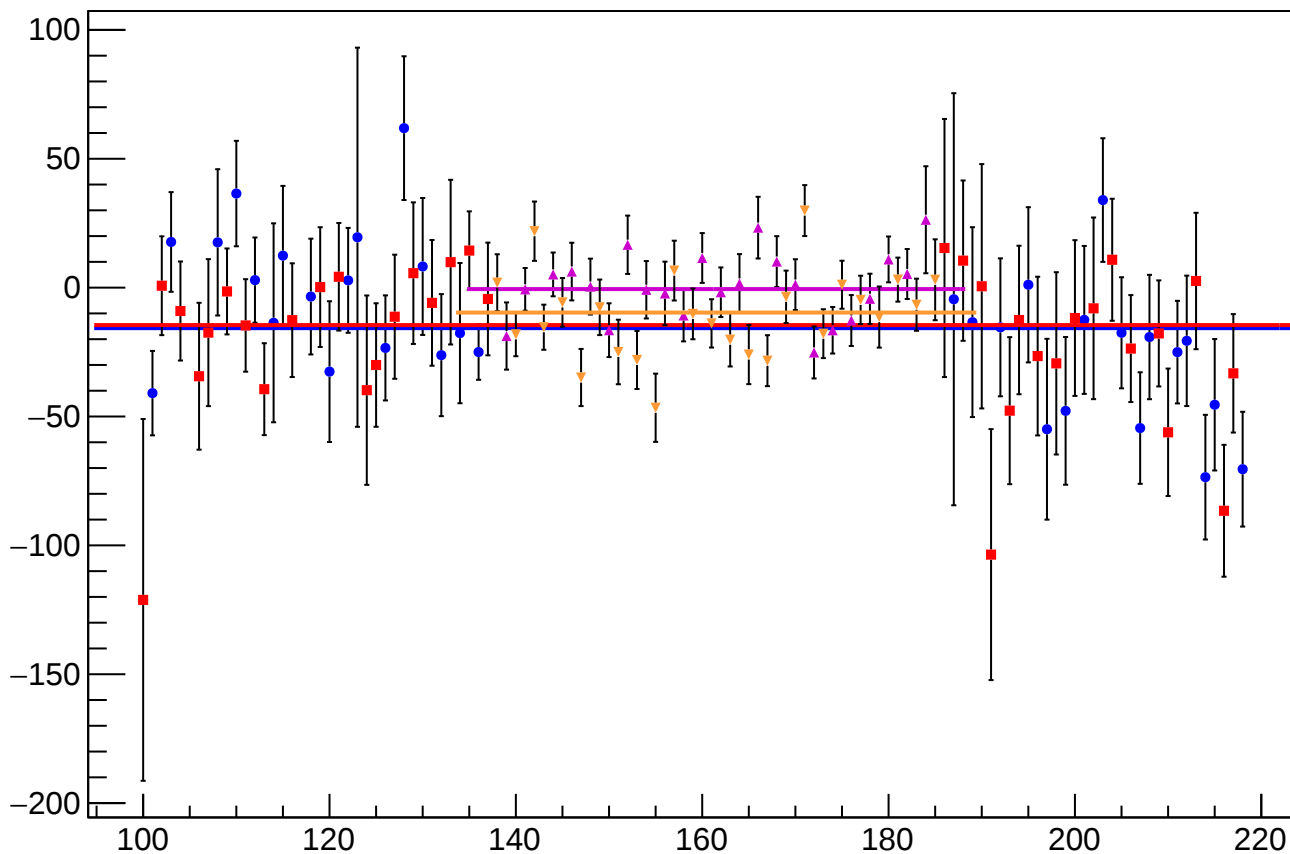
- sign 3.841 ± 1.166 χ^2/NDF : 88.9/58

diff_bpm4acY_rms vs Slug



Right In: 6597.401 ± 1.126 $\chi^2/\text{NDF}: 1669882.2/32$ + sign 6835.373 ± 0.814 $\chi^2/\text{NDF}: 2145446.8/57$
 Left Out: 7096.350 ± 1.179 $\chi^2/\text{NDF}: 381942.1/24$ All: 6830.746 ± 0.579 $\chi^2/\text{NDF}: 4882833.8/11$
 Right Out: 6634.111 ± 1.126 $\chi^2/\text{NDF}: 2157379.1/35$ - sign 6826.009 ± 0.824 $\chi^2/\text{NDF}: 2737321.7/58$
 Left In: 7047.269 ± 1.209 $\chi^2/\text{NDF}: 517433.5/22$

diff_bpm4ecX_mean vs Slug



Right In: -15.722 ± 4.008 χ^2/NDF : 50.7/32

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

Right Out: -14.535 ± 4.076 χ^2/NDF : 32.7/35

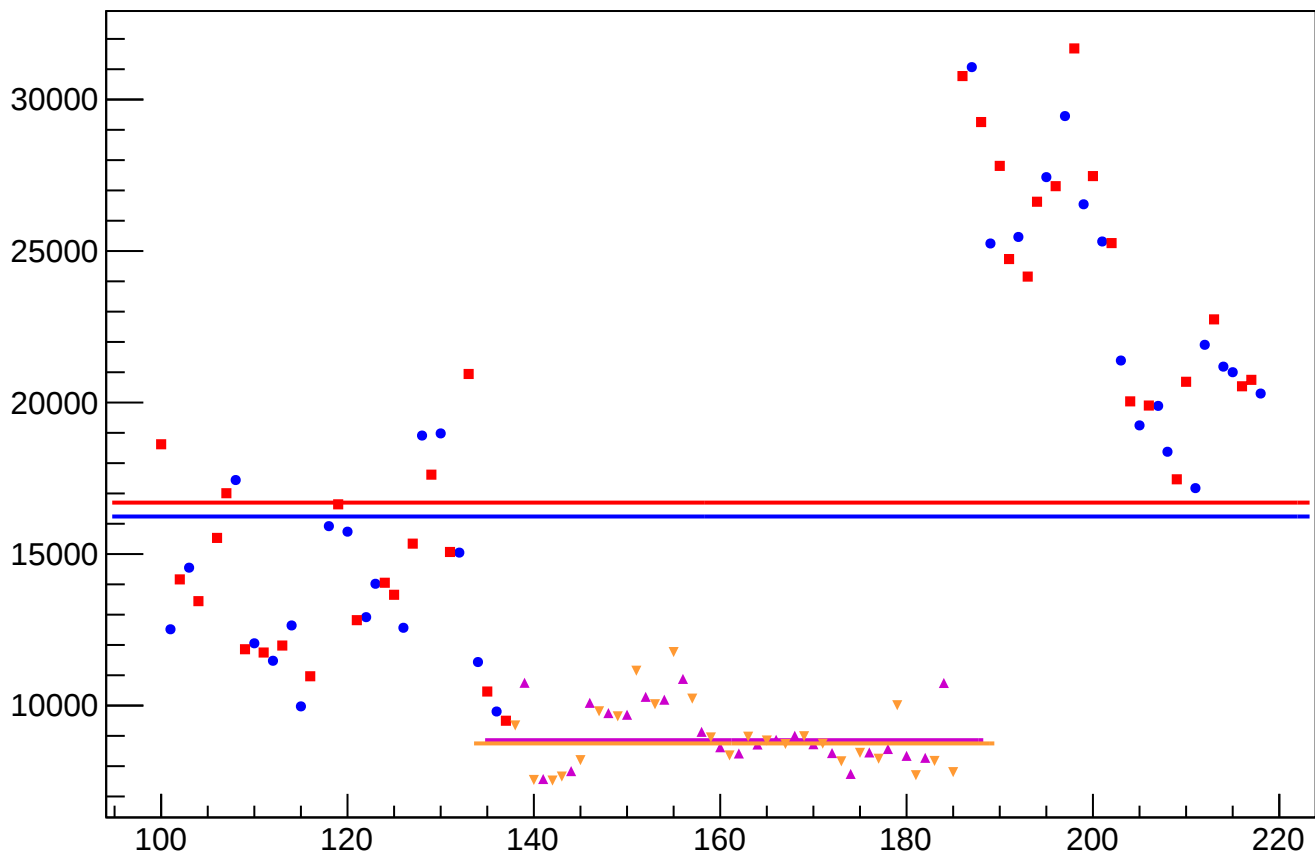
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -10.935 ± 1.833 χ^2/NDF : 110.5/57

All: -7.390 ± 1.318 χ^2/NDF : 189.8/116

- sign -3.591 ± 1.897 χ^2/NDF : 71.6/58

diff_bpm4ecX_rms vs Slug



Right In: 16239.288+/-2.834 χ^2/NDF : 3410897.2/32

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

Right Out: 16697.822+/-2.882 χ^2/NDF : 3748169.0/35

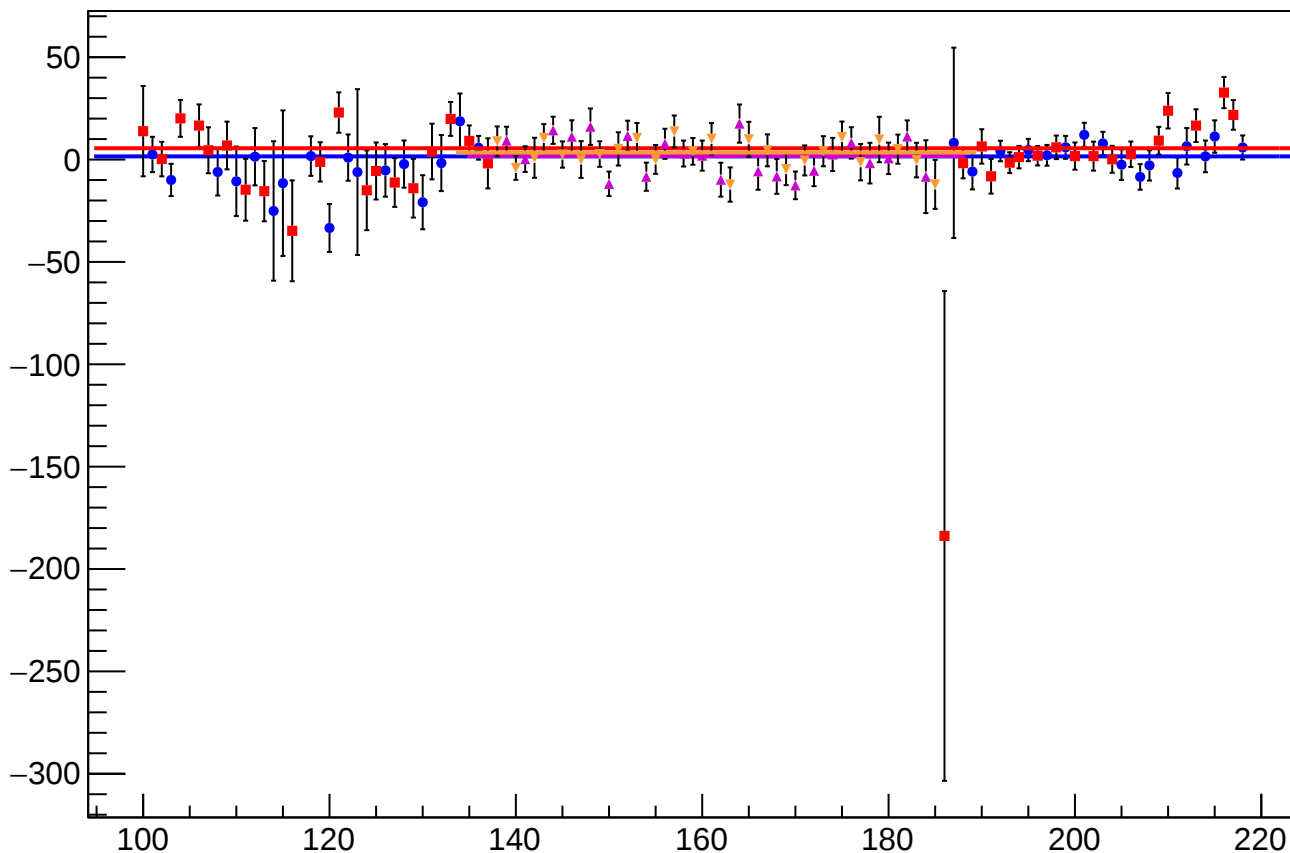
Left In: 8857.329+/-1.516 χ^2/NDF :361778.8/22

+ sign 10315.870+/-1.296 χ^2/NDF : 9396640.0/57

All: 10431.842+/-0.932 χ^2/NDF : 19320170.2

- sign 10556.139+/-1.342 χ^2/NDF : 9906937.1/58

diff_bpm4ecY_mean vs Slug



Right In: 1.546 ± 1.407 χ^2/NDF : 31.4/32

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

Right Out: 5.523 ± 1.386 χ^2/NDF : 58.9/35

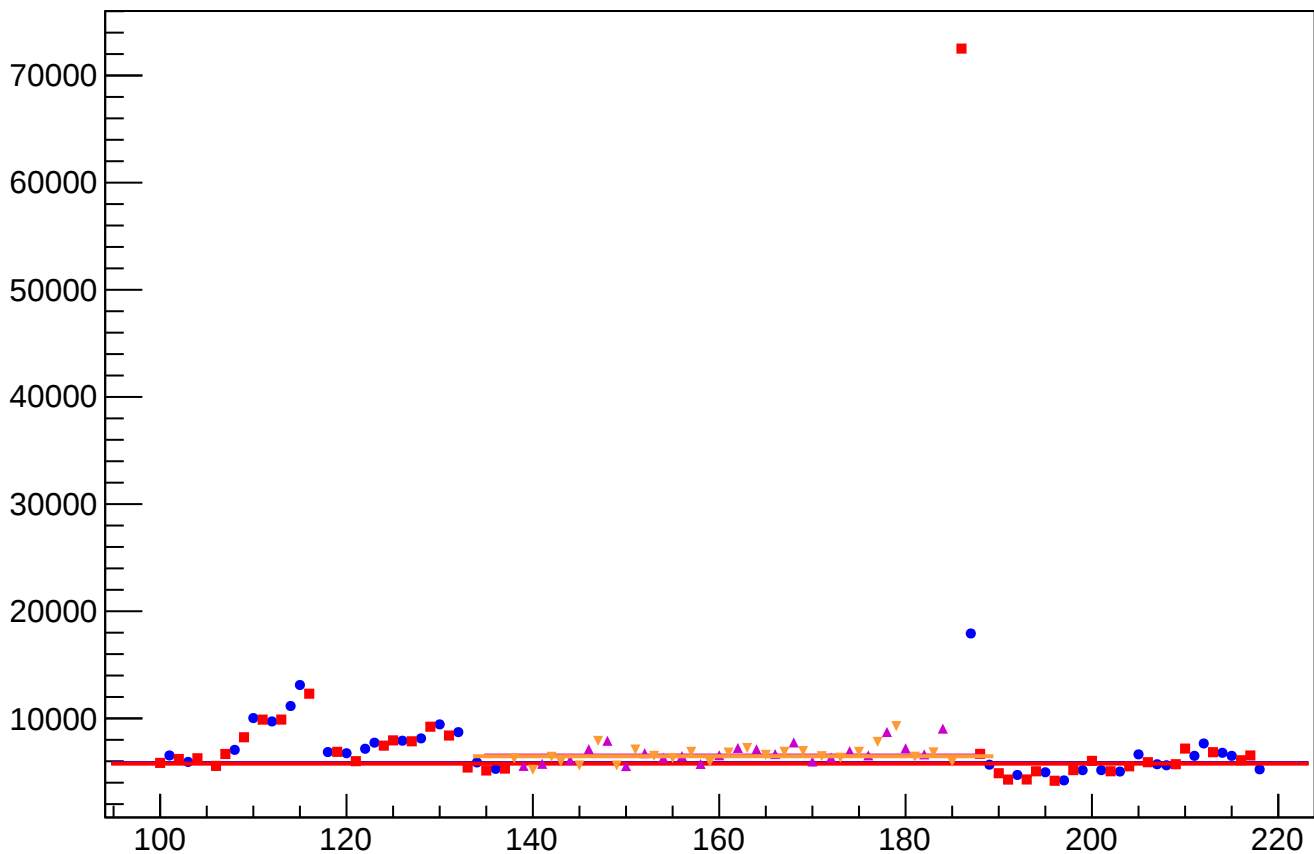
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 2.413 ± 1.034 χ^2/NDF : 48.5/57

All: 3.141 ± 0.735 χ^2/NDF : 145.2/116

- sign 3.882 ± 1.044 χ^2/NDF : 95.8/58

diff_bpm4ecY_rms vs Slug



Right In: 5831.219+/-0.995 χ^2/NDF : 1673704.1/32

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

Right Out: 5779.977+/-0.980 χ^2/NDF : 2250842.1/35

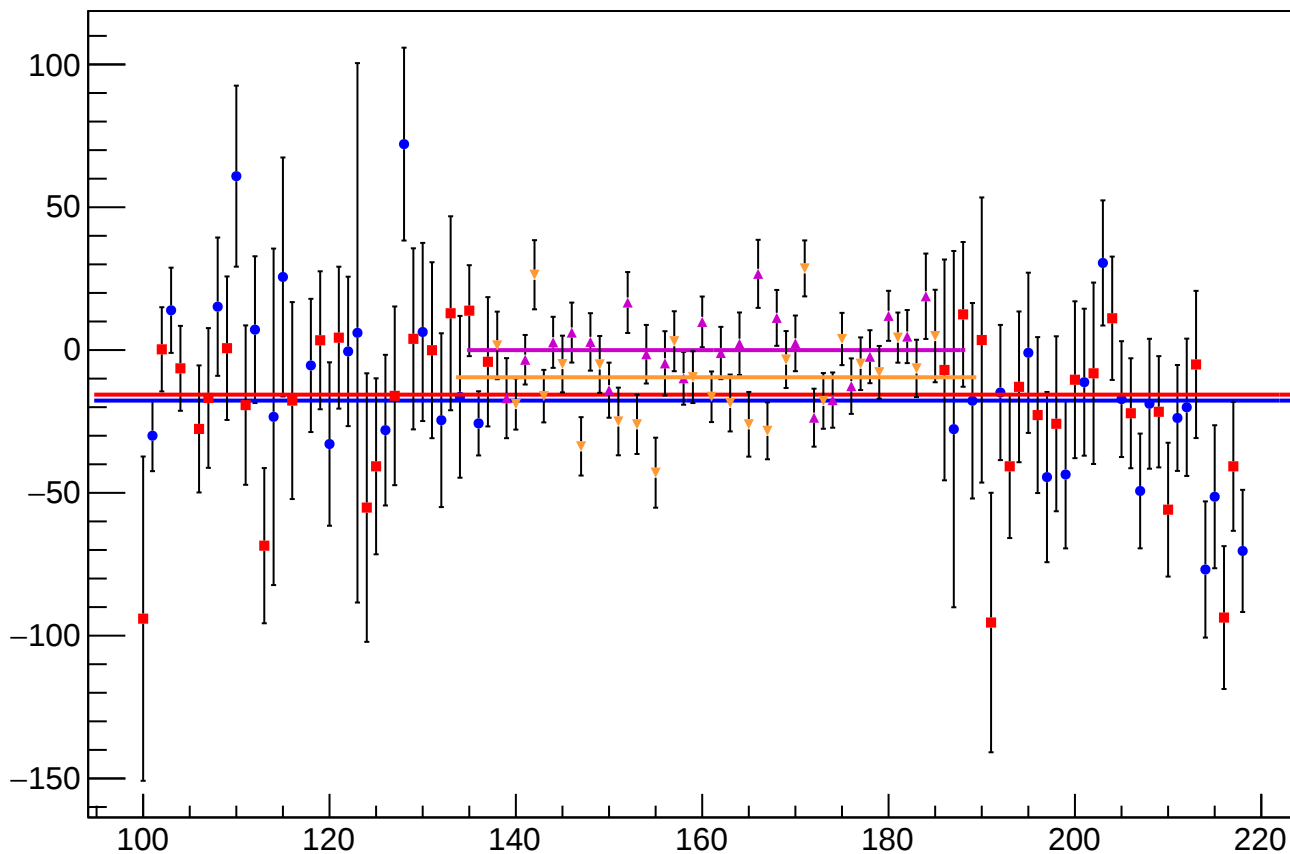
Left In: 6530.954+/-1.121 χ^2/NDF : 464668.6/22

+ sign 6124.289+/-0.731 χ^2/NDF : 2349689.8/57

All: 6114.817+/-0.519 χ^2/NDF : 5319827.7/11

- sign 6105.174+/-0.738 χ^2/NDF : 2969799.4/58

diff_bpm1X_mean vs Slug



Right In: -17.694 ± 4.027 χ^2/NDF : 48.6/32

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

Right Out: -15.612 ± 4.149 χ^2/NDF : 37.2/35

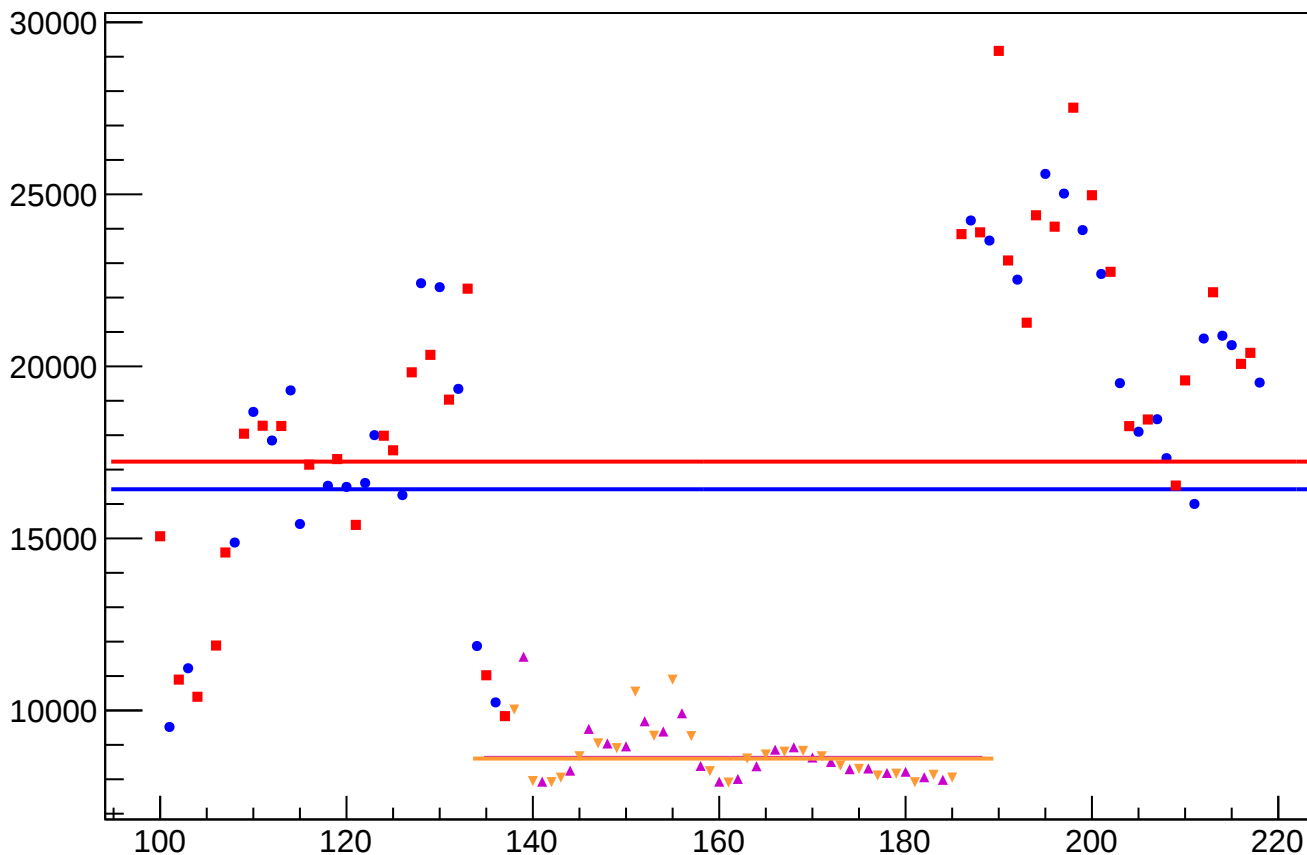
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -11.164 ± 1.802 χ^2/NDF : 111.5/57

All: -7.285 ± 1.294 χ^2/NDF : 199.4/116

- sign -3.156 ± 1.859 χ^2/NDF : 78.4/58

diff_bpm1X_rms vs Slug



Right In: 16428.553 $\pm$ 2.847 χ^2 /NDF: 2938153.2/32

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

Right Out: 17232.096 $\pm$ 2.934 χ^2 /NDF: 2840840.3/35

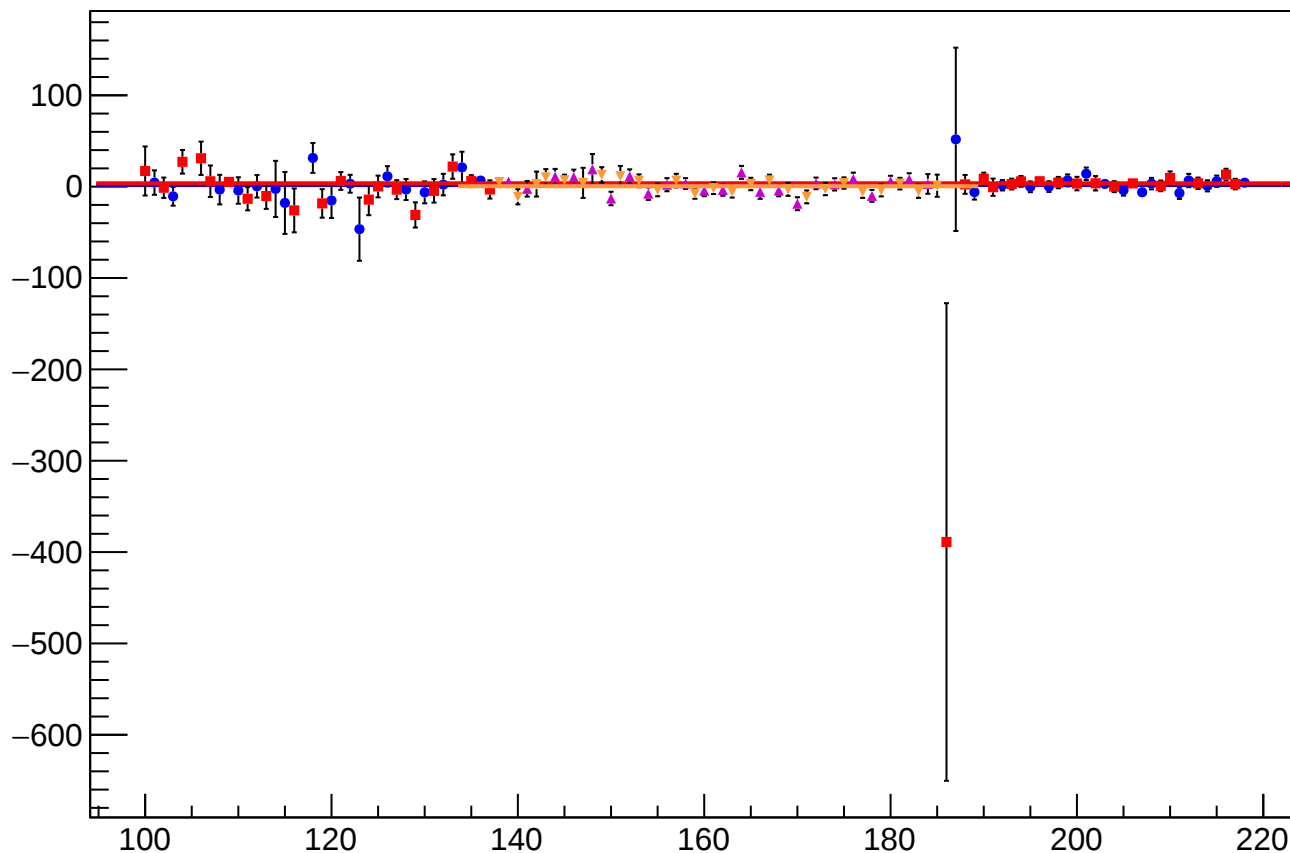
Left In: 8621.975 $\pm$ 1.471 χ^2 /NDF:230824.4/22

+ sign 10169.647 $\pm$ 1.274 χ^2 /NDF: 9229649.9/57

All: 10257.507 $\pm$ 0.915 χ^2 /NDF: 19194211.3

- sign 10351.032 $\pm$ 1.315 χ^2 /NDF: 9954747.4/58

diff_bpm1Y_mean vs Slug



Right In: 1.768 $\pm$ 1.370 χ^2 /NDF: 23.4/32

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

Right Out: 3.693 $\pm$ 1.337 χ^2 /NDF: 30.2/35

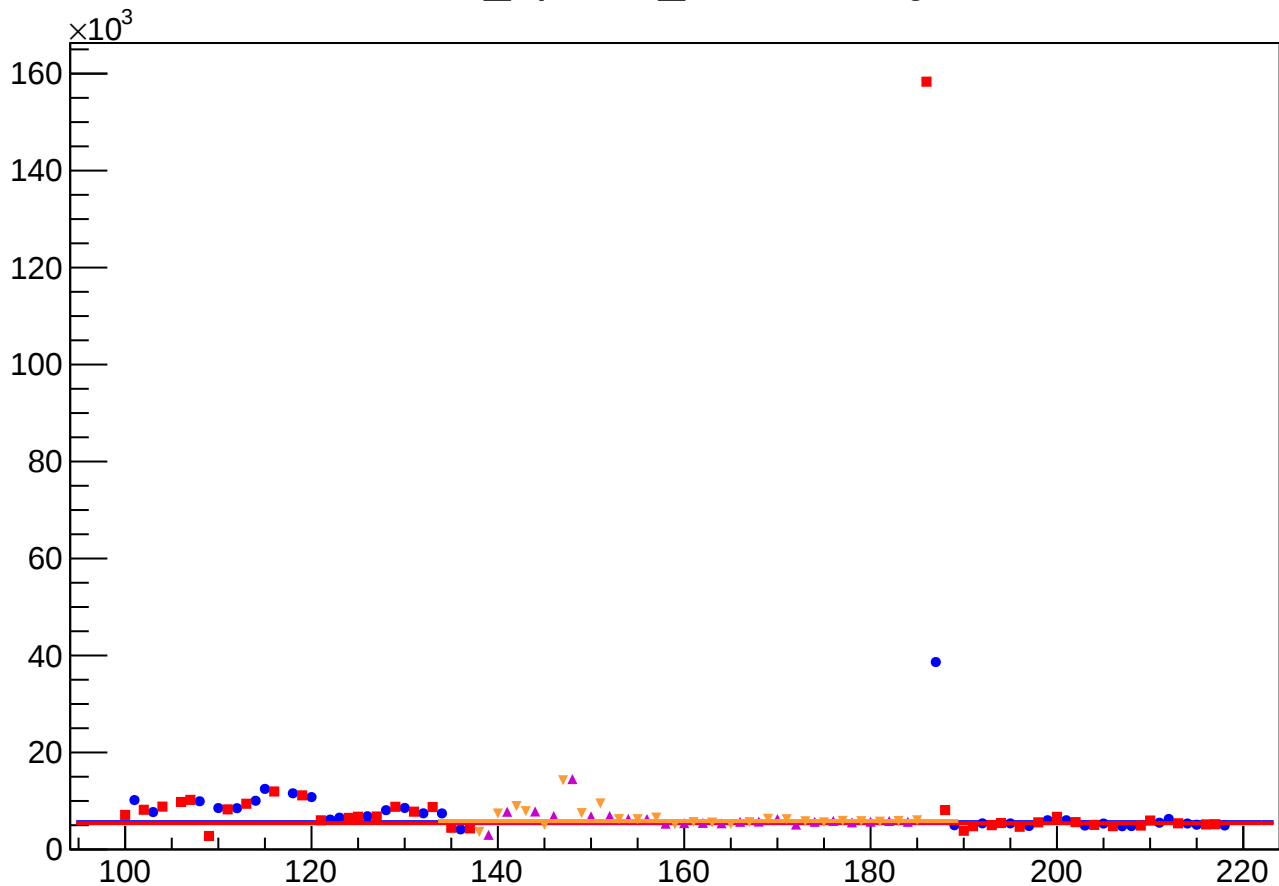
Left In: 1.298 $\pm$ 1.406 χ^2 /NDF: 33.0/22

+ sign 1.147 $\pm$ 0.986 χ^2 /NDF: 43.4/57

All: 1.864 $\pm$ 0.691 χ^2 /NDF: 109.2/116

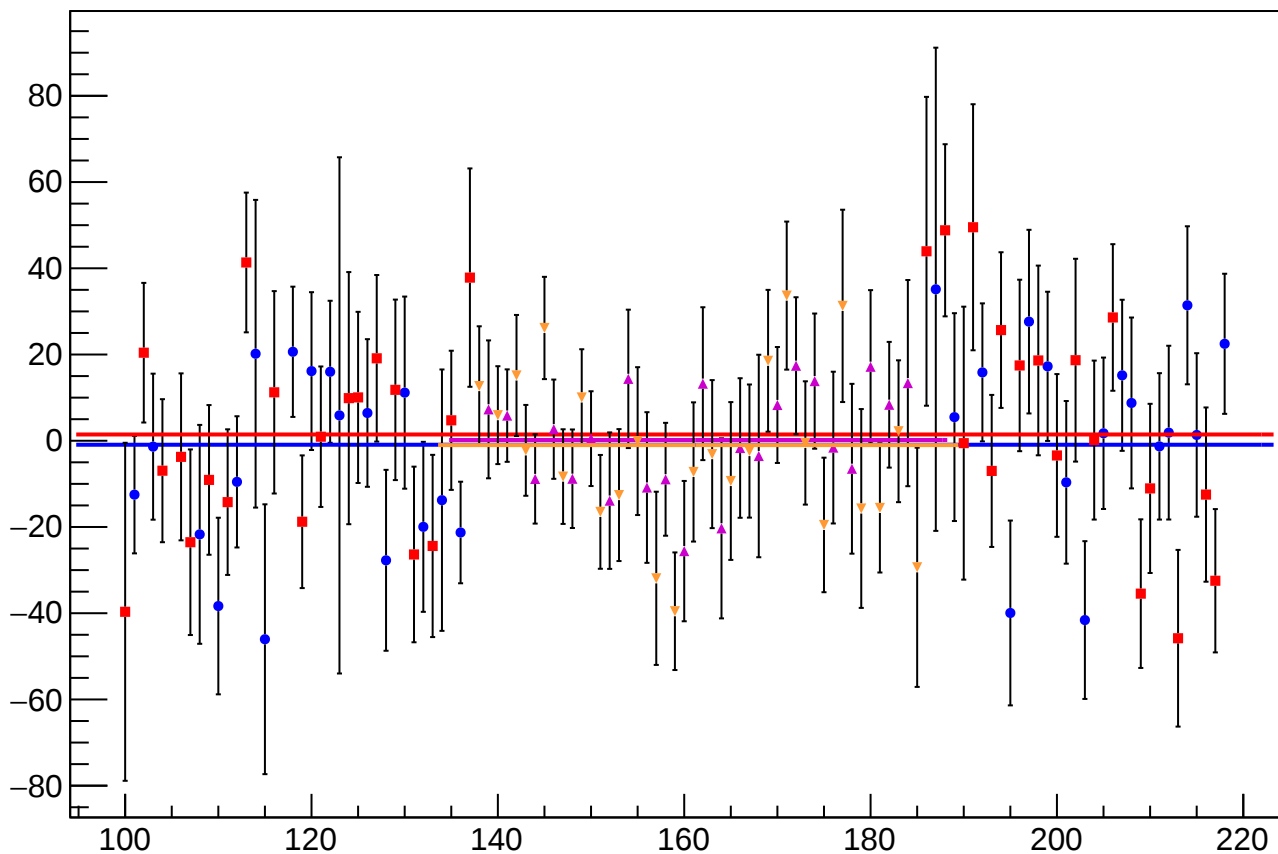
- sign 2.556 $\pm$ 0.969 χ^2 /NDF: 64.8/58

diff_bpm1Y_rms vs Slug



Right In: 5629.834 ± 0.969 $\chi^2/\text{NDF}: 2184057.1/32$ + sign 5740.221 ± 0.697 $\chi^2/\text{NDF}: 3902305.6/57$
 Left Out: 5858.642 ± 1.004 $\chi^2/\text{NDF}: 1691344.1/24$ All: 5619.701 ± 0.489 $\chi^2/\text{NDF}: 9533531.3/11$
 Right Out: 5418.714 ± 0.945 $\chi^2/\text{NDF}: 3465839.3/35$ - sign 5503.285 ± 0.685 $\chi^2/\text{NDF}: 5572454.4/58$
 Left In: 5596.879 ± 0.994 $\chi^2/\text{NDF}: 2089750.1/22$

diff_bpm11X_mean vs Slug



Right In: -0.924 ± 3.282 χ^2/NDF : 36.9/32

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

Right Out: 1.455 ± 3.263 χ^2/NDF : 51.4/35

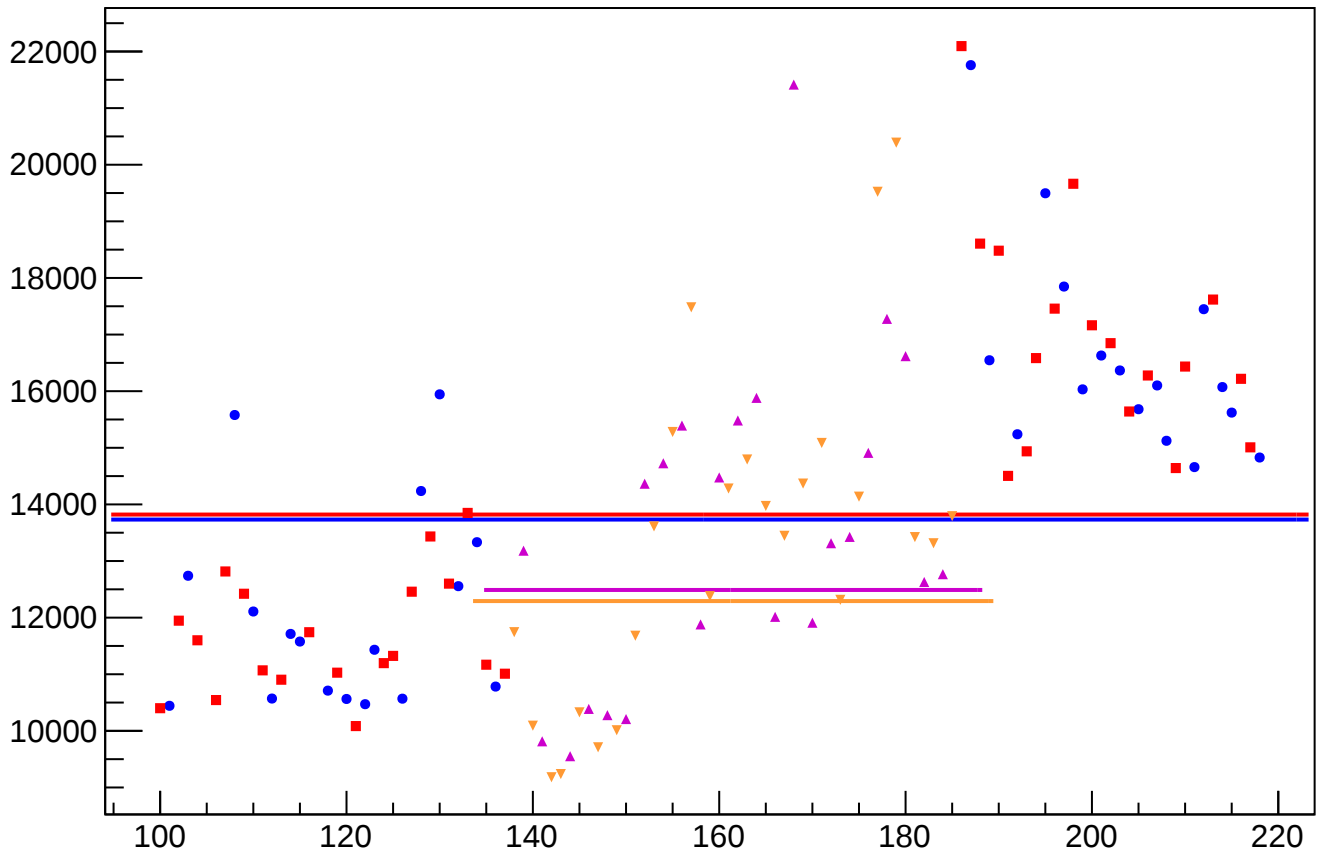
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -0.970 ± 2.191 χ^2/NDF : 70.4/57

All: -0.116 ± 1.564 χ^2/NDF : 134.6/116

- sign 0.774 ± 2.235 χ^2/NDF : 63.9/58

diff_bpm11X_rms vs Slug



Right In: 13732.281+/-2.321 χ^2/NDF : 1328272.0/32

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

Right Out: 13820.694+/-2.307 χ^2/NDF : 1434808.8/35

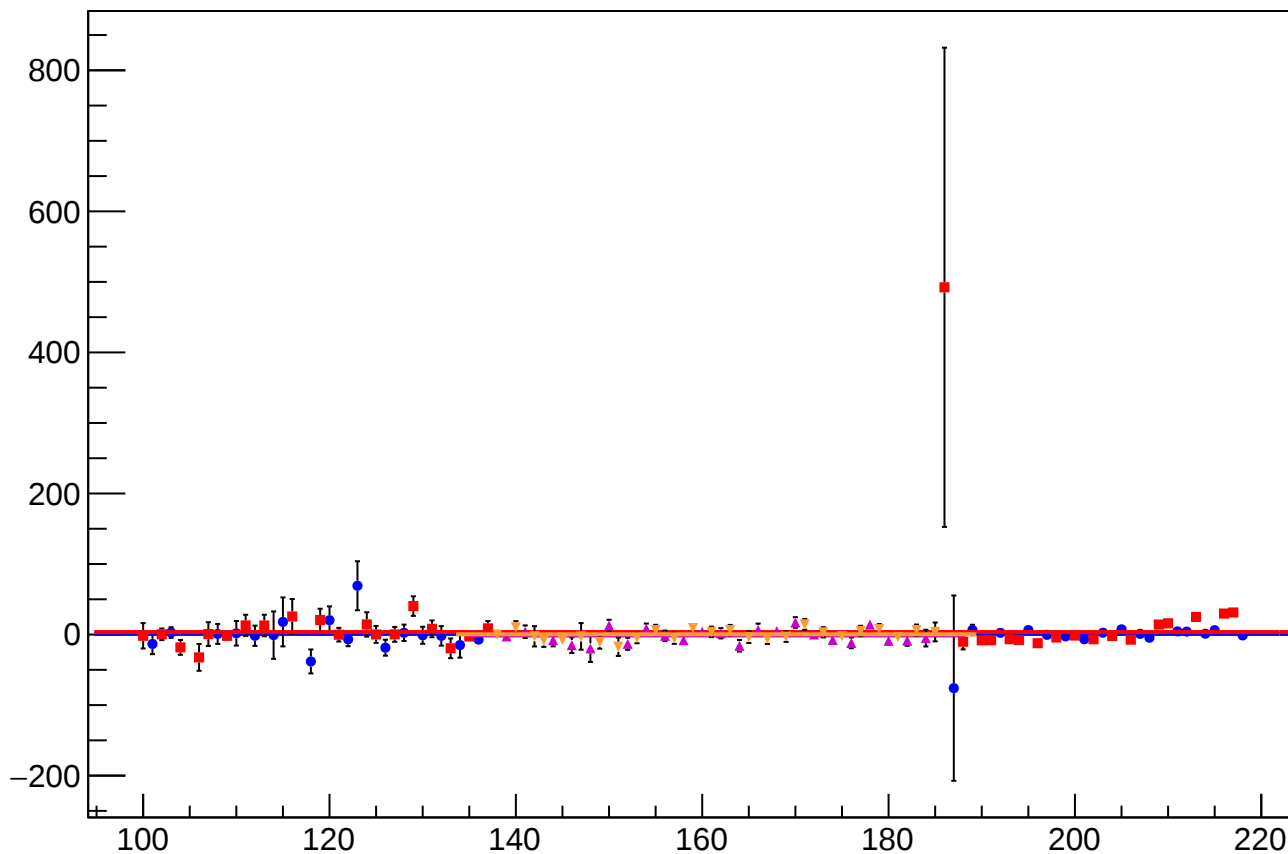
Left In: 12488.821+/-2.169 χ^2/NDF :1354485.4/22

+ sign 12933.871+/-1.549 χ^2/NDF : 3044223.0/57

All: 13021.928+/-1.106 χ^2/NDF : 6017005.7/100

- sign 13113.587+/-1.580 χ^2/NDF : 2966186.9/58

diff_bpm11Y_mean vs Slug



Right In: 0.915 ± 1.128 χ^2/NDF : 30.0/32

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

Right Out: 3.554 ± 1.134 χ^2/NDF : 156.2/35

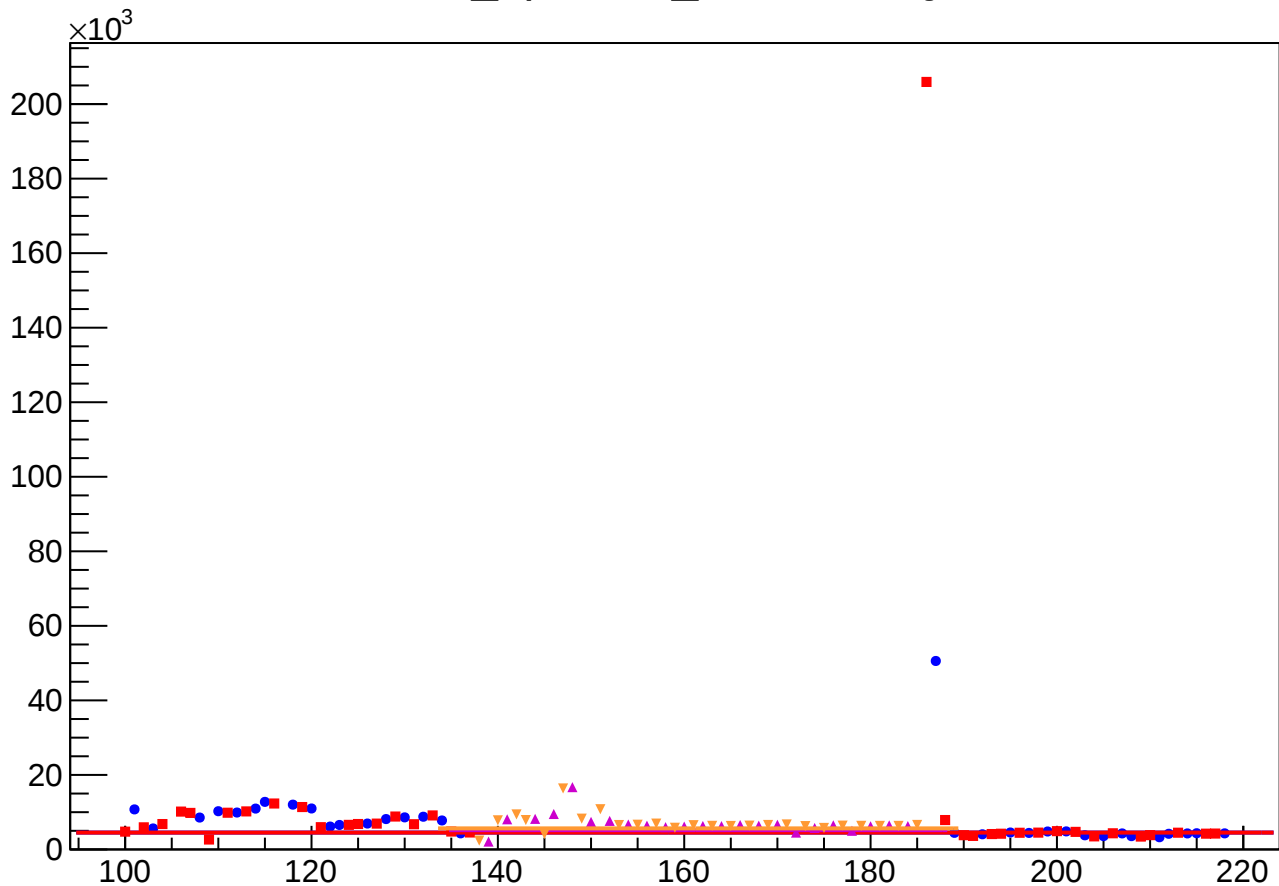
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign 0.722 ± 0.887 χ^2/NDF : 49.4/57

All: 1.173 ± 0.624 χ^2/NDF : 247.3/116

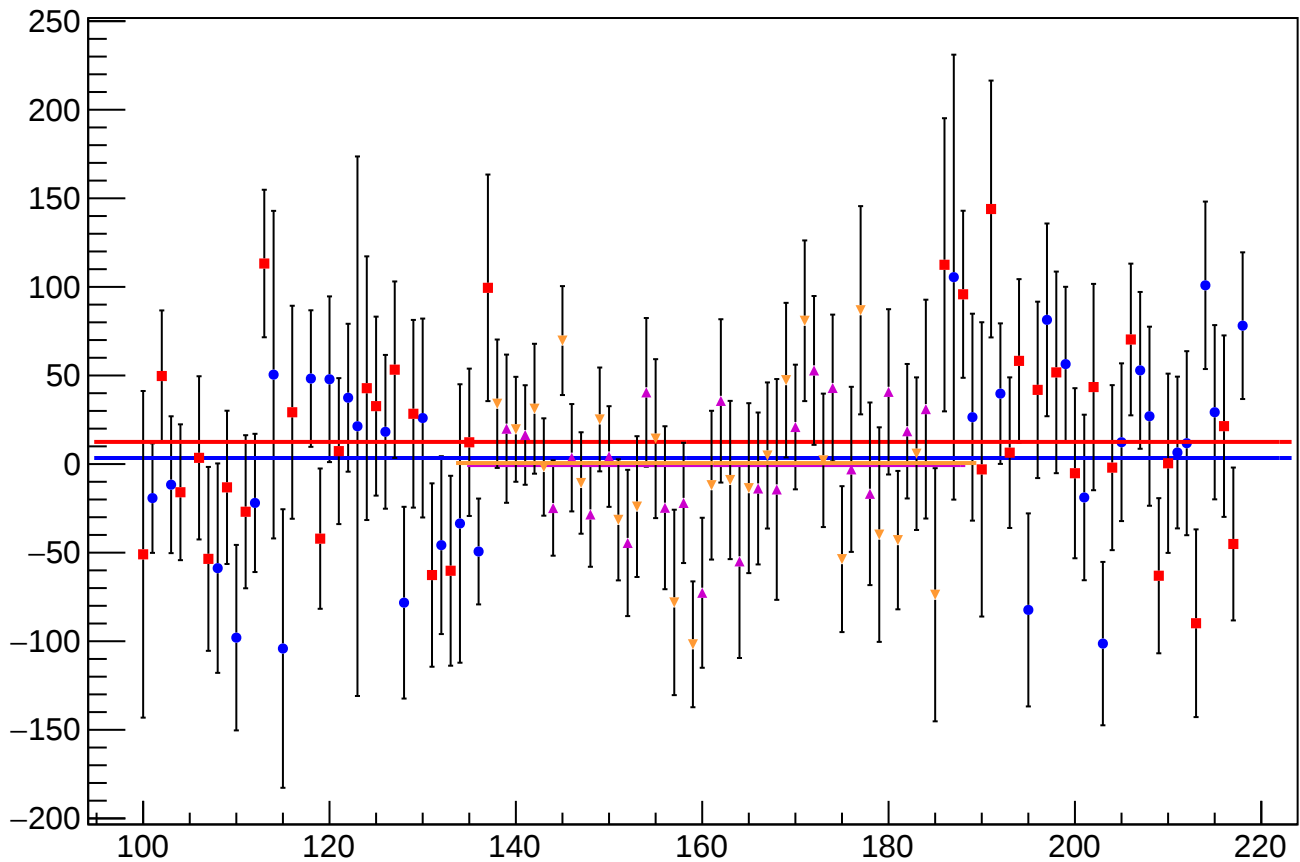
- sign 1.615 ± 0.878 χ^2/NDF : 197.4/58

diff_bpm11Y_rms vs Slug



Right In: 4532.167+/-0.798	χ^2/NDF : 3472126.9/32	+ sign 4961.413+/-0.627	χ^2/NDF : 8354194.0/57
Left Out: 5655.639+/-1.014	χ^2/NDF : 4124124.3/24	All: 4873.934+/-0.441	χ^2/NDF : 17978467.2/1
Right Out: 4525.235+/-0.802	χ^2/NDF : 3967700.6/35	- sign 4788.226+/-0.621	χ^2/NDF : 9585738.9/58
Left In: 5180.743+/-0.980	χ^2/NDF : 5350053.6/22		

diff_bpm12X_mean vs Slug



Right In: 3.426 ± 8.218 $\chi^2/\text{NDF}: 40.3/32$

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

Right Out: 12.506 ± 8.168 $\chi^2/\text{NDF}: 40.3/35$

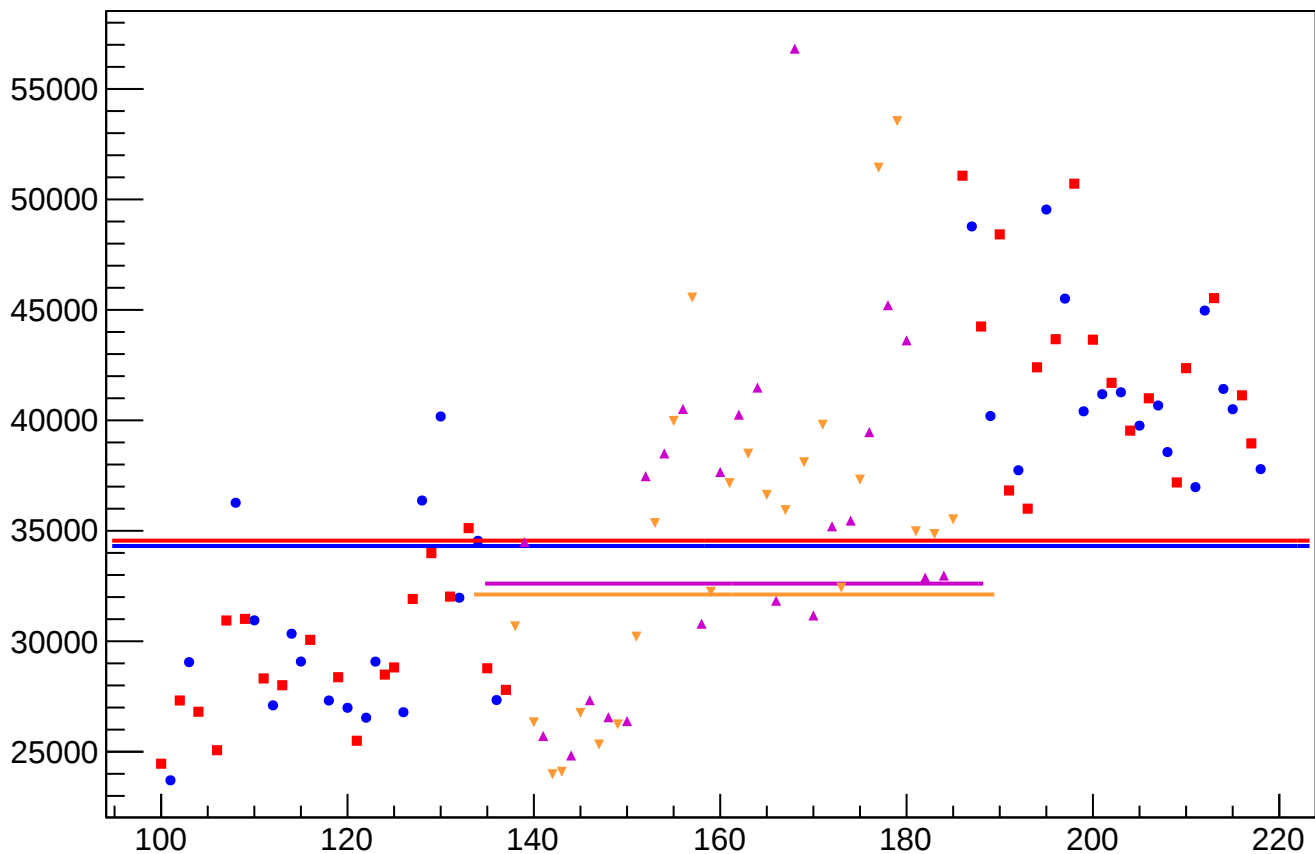
Left In: -0.565 ± 8.015 $\chi^2/\text{NDF}: 14.3/22$

+ sign 1.909 ± 5.615 $\chi^2/\text{NDF}: 71.3/57$

All: 3.841 ± 4.007 $\chi^2/\text{NDF}: 127.4/116$

- sign 5.846 ± 5.721 $\chi^2/\text{NDF}: 55.8/58$

diff_bpm12X_rms vs Slug



Right In: 34311.468 $\pm$ 5.811 χ^2 /NDF: 1447554.1/32

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

Right Out: 34555.426 $\pm$ 5.776 χ^2 /NDF: 1523828.0/35

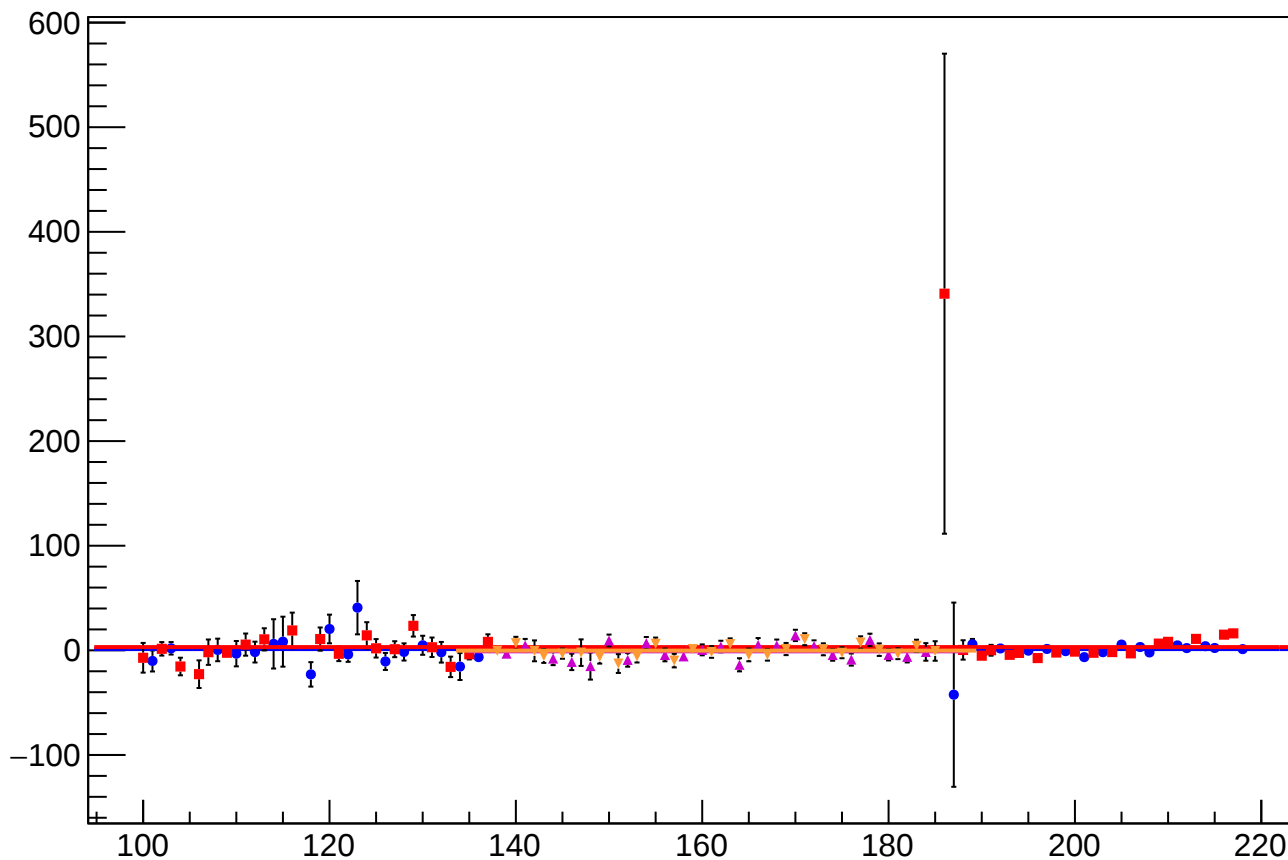
Left In: 32610.108 $\pm$ 5.667 χ^2 /NDF: 1398475.8/22

+ sign 33141.693 $\pm$ 3.971 χ^2 /NDF: 3060313.0/57

All: 33349.052 $\pm$ 2.834 χ^2 /NDF: 6045970.5/100

- sign 33564.280 $\pm$ 4.045 χ^2 /NDF: 2980099.2/58

diff_bpm12Y_mean vs Slug



Right In: 1.217 ± 0.650 χ^2/NDF : 38.8/32

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

Right Out: 3.101 ± 0.685 χ^2/NDF : 135.3/35

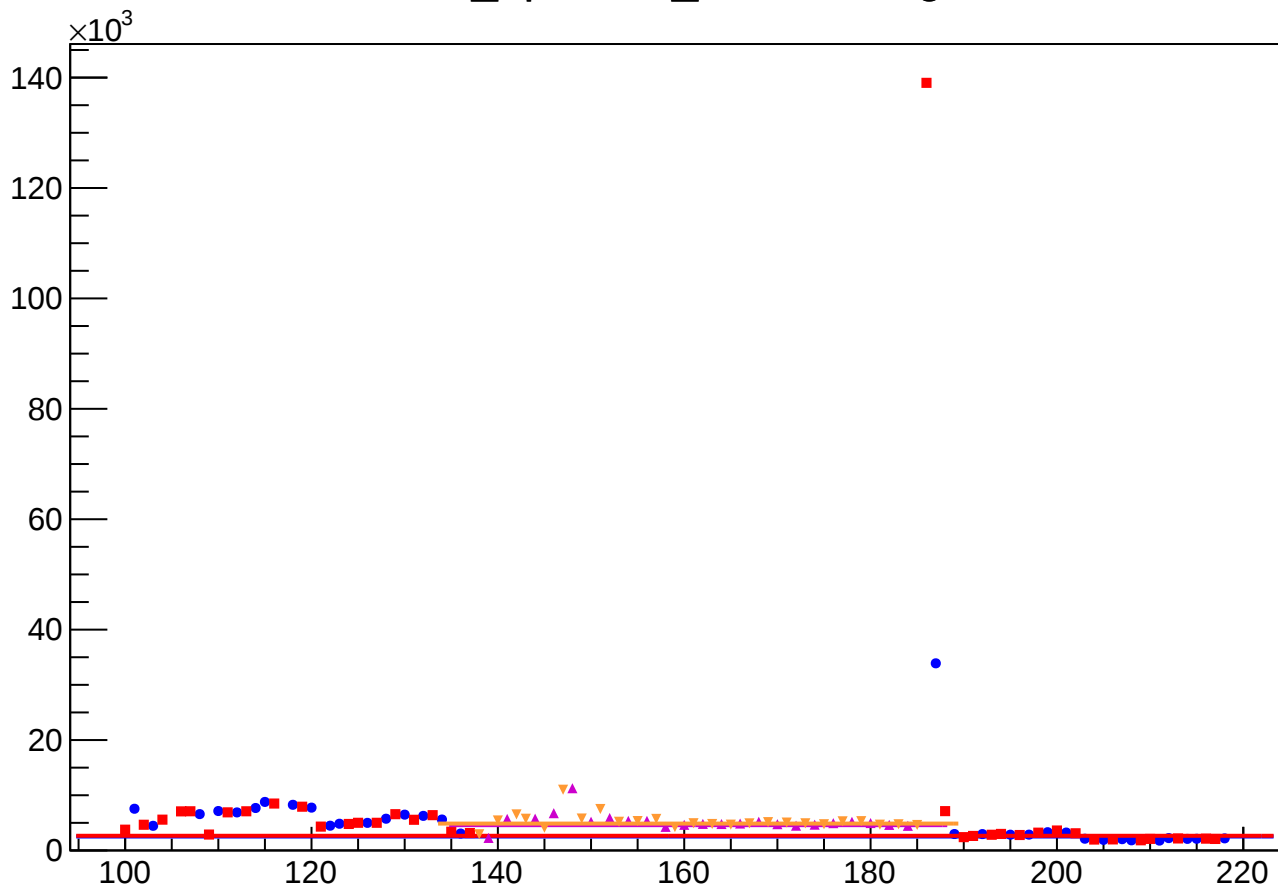
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign 0.871 ± 0.569 χ^2/NDF : 58.1/57

All: 1.441 ± 0.409 χ^2/NDF : 240.6/116

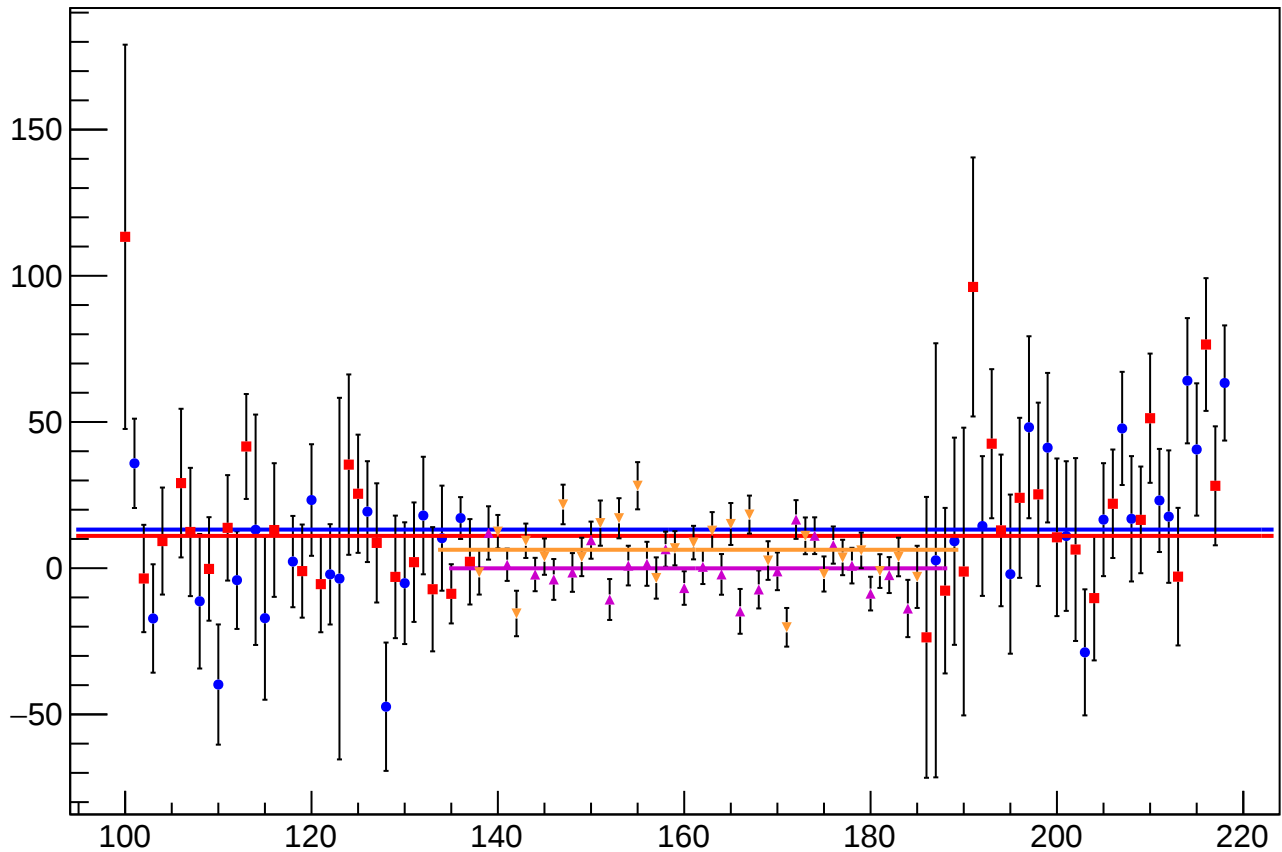
- sign 2.052 ± 0.589 χ^2/NDF : 180.4/58

diff_bpm12Y_rms vs Slug



Right In: 2526.250 $\pm$ 0.460 χ^2/NDF : 5598499.4/32 + sign 3076.385 $\pm$ 0.402 χ^2/NDF : 13200892.4/57
 Left Out: 4866.528 $\pm$ 0.829 χ^2/NDF : 1511486.2/24 All: 3116.708 $\pm$ 0.289 χ^2/NDF : 25874605.9/32
 Right Out: 2658.828 $\pm$ 0.484 χ^2/NDF : 6063828.4/35 - sign 3159.950 $\pm$ 0.416 χ^2/NDF : 12652873.4/58
 Left In: 4582.193 $\pm$ 0.816 χ^2/NDF : 2478681.0/22

diff_bpm16X_mean vs Slug



Right In: 13.208 $\pm$ 3.333 χ^2 /NDF: 49.3/32

Left Out: 6.302 $\pm$ 1.313 χ^2 /NDF: 56.7/24

Right Out: 11.046 $\pm$ 3.478 χ^2 /NDF: 36.0/35

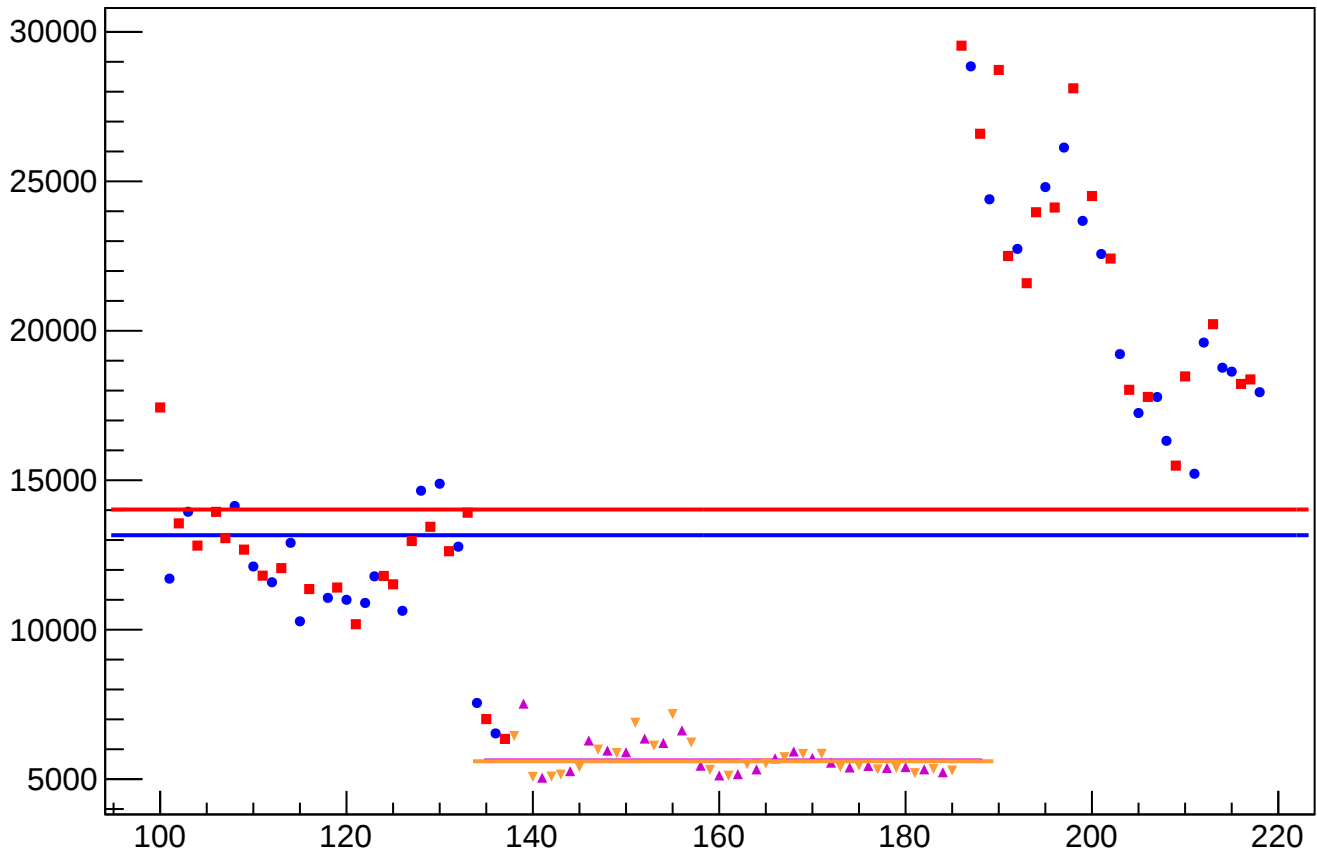
Left In: -0.044 $\pm$ 1.358 χ^2 /NDF: 30.0/22

+ sign 7.229 $\pm$ 1.221 χ^2 /NDF: 109.7/57

All: 4.427 $\pm$ 0.879 χ^2 /NDF: 195.5/116

- sign 1.422 $\pm$ 1.265 χ^2 /NDF: 74.9/58

diff_bpm16X_rms vs Slug



Right In: 13161.041+/-2.357 χ^2/NDF : 5045338.8/32

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

+ sign 6614.233+/-0.864 χ^2/NDF : 14243246.0/57

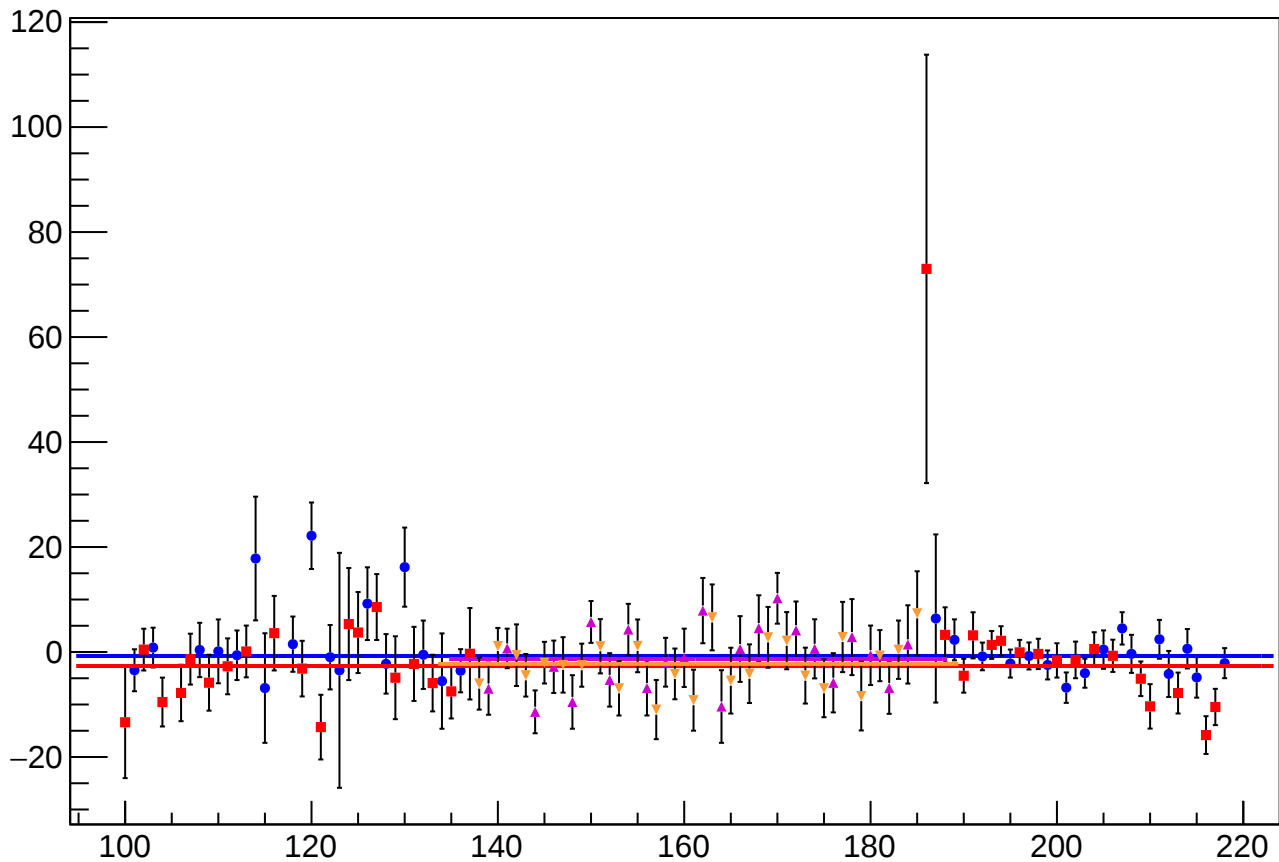
Right Out: 14020.808+/-2.459 χ^2/NDF : 4838221.4/35

All: 6672.734+/-0.621 χ^2/NDF : 29477064.0/1

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

- sign 6735.478+/-0.894 χ^2/NDF : 15224306.6/58

diff_bpm16Y_mean vs Slug



Right In: -0.754 ± 0.700 χ^2/NDF : 37.8/32

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

Right Out: -2.665 ± 0.695 χ^2/NDF : 55.3/35

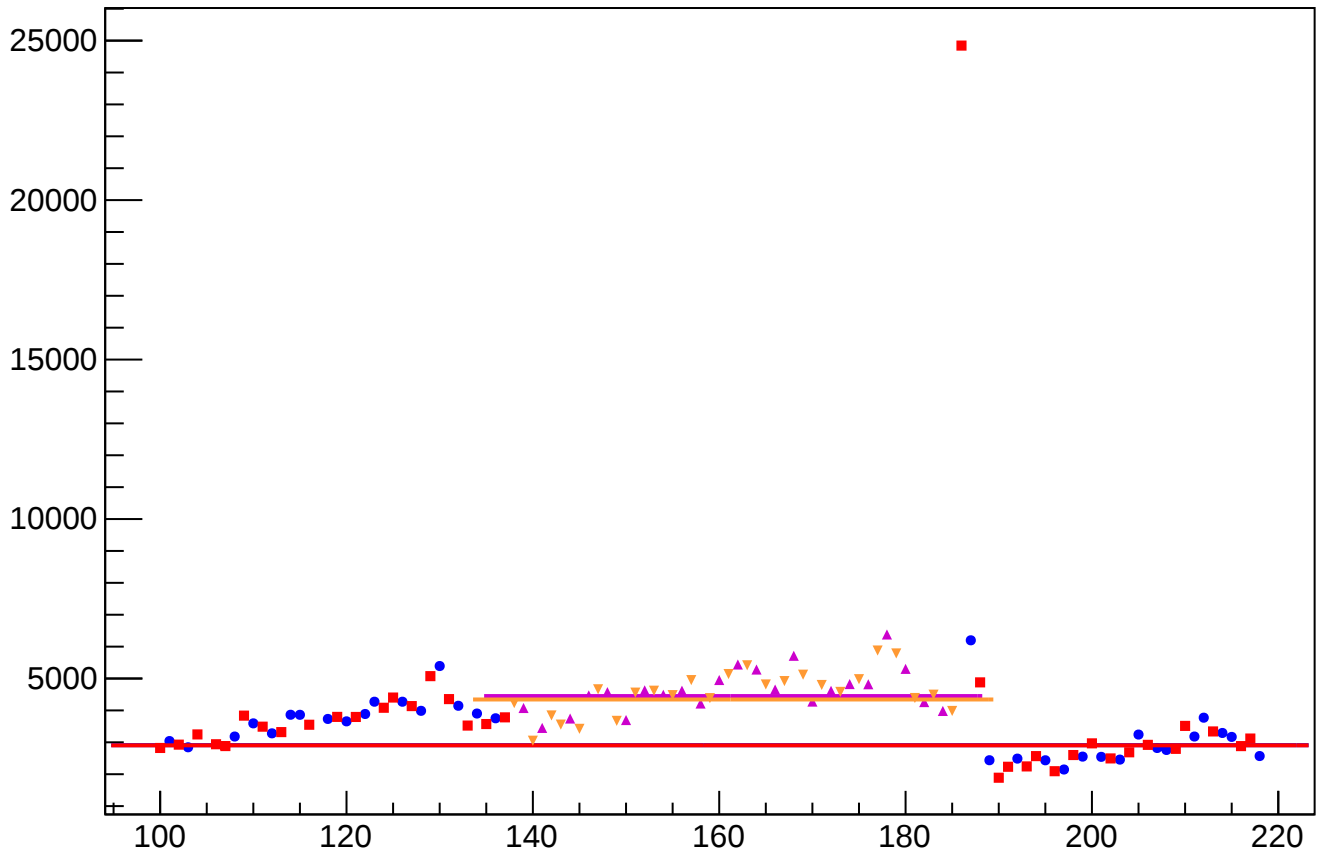
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.230 ± 0.579 χ^2/NDF : 54.8/57

All: -1.747 ± 0.412 χ^2/NDF : 143.4/116

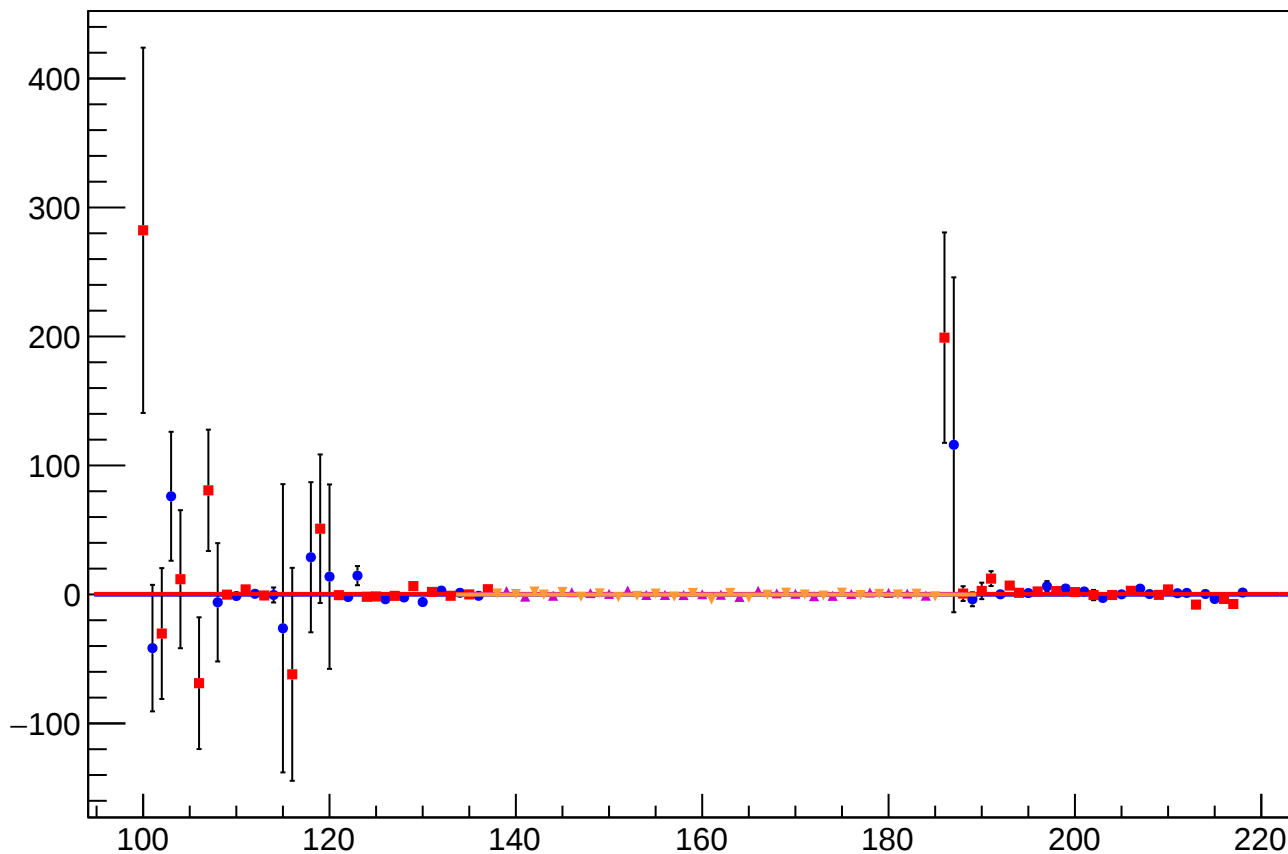
- sign -2.274 ± 0.585 χ^2/NDF : 87.0/58

diff_bpm16Y_rms vs Slug



Right In: 2910.184 ± 0.495 $\chi^2/\text{NDF}: 1446455.1/32$ + sign 3363.038 ± 0.410 $\chi^2/\text{NDF}: 5084098.9/57$
 Left Out: 4342.635 ± 0.728 $\chi^2/\text{NDF}: 993035.5/24$ All: 3359.874 ± 0.291 $\chi^2/\text{NDF}: 11009314.2/1$
 Right Out: 2905.036 ± 0.492 $\chi^2/\text{NDF}: 2346159.0/35$ - sign 3356.646 ± 0.414 $\chi^2/\text{NDF}: 5925094.7/58$
 Left In: 4450.007 ± 0.765 $\chi^2/\text{NDF}: 693229.8/22$

diff_bpm1p02bX_mean vs Slug



Right In: -0.176 ± 0.516 χ^2/NDF : 34.4/32

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

Right Out: 0.421 ± 0.523 χ^2/NDF : 59.8/35

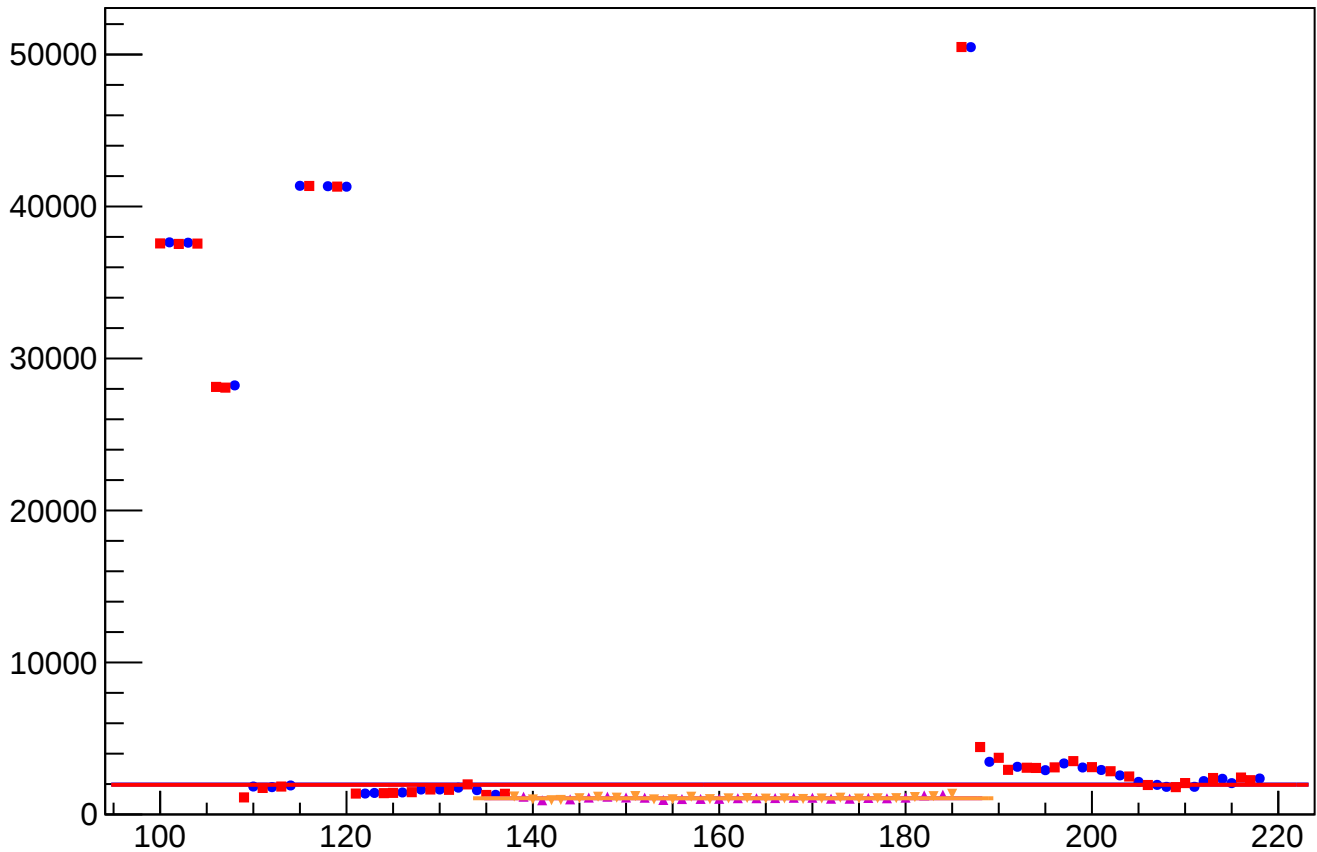
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.108 ± 0.224 χ^2/NDF : 68.9/57

All: 0.086 ± 0.161 χ^2/NDF : 157.5/116

- sign 0.291 ± 0.231 χ^2/NDF : 87.1/58

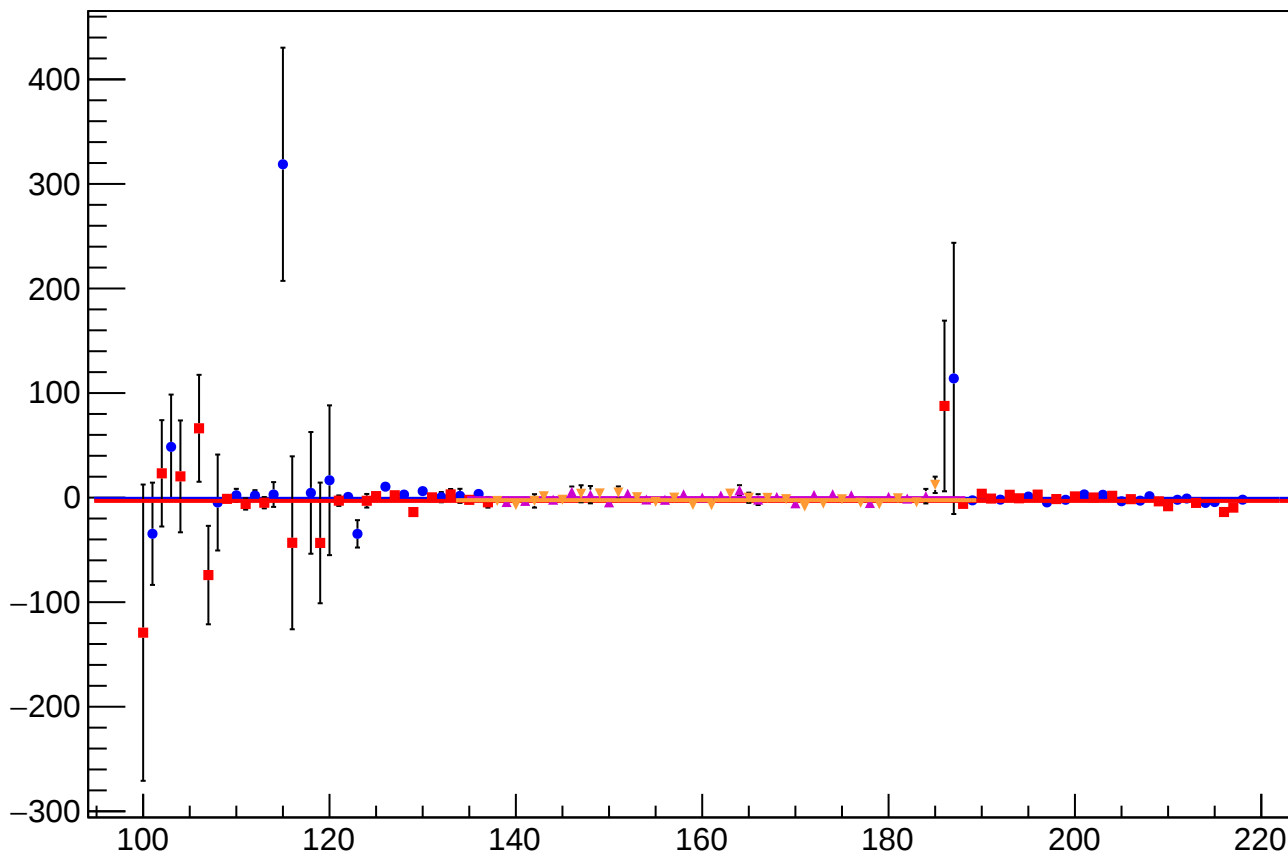
diff_bpm1p02bX_rms vs Slug



Right In: 1968.268+/-0.365 χ^2/NDF : 7049596.5/32
 Left Out: 1064.701+/-0.176 χ^2/NDF : 186511.5/24
 Right Out: 1951.418+/-0.370 χ^2/NDF : 8499127.3/35
 Left In: 1066.255+/-0.182 χ^2/NDF : 164232.1/22

+ sign 1235.433+/-0.159 χ^2/NDF : 12210646.1/57
 All: 1236.939+/-0.114 χ^2/NDF : 25493032.3/35
 - sign 1238.532+/-0.163 χ^2/NDF : 13282200.6/58

diff_bpm1p02bY_mean vs Slug



Right In: -1.148 ± 0.439 χ^2/NDF : 61.6/32

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

Right Out: -3.133 ± 0.465 χ^2/NDF : 110.5/35

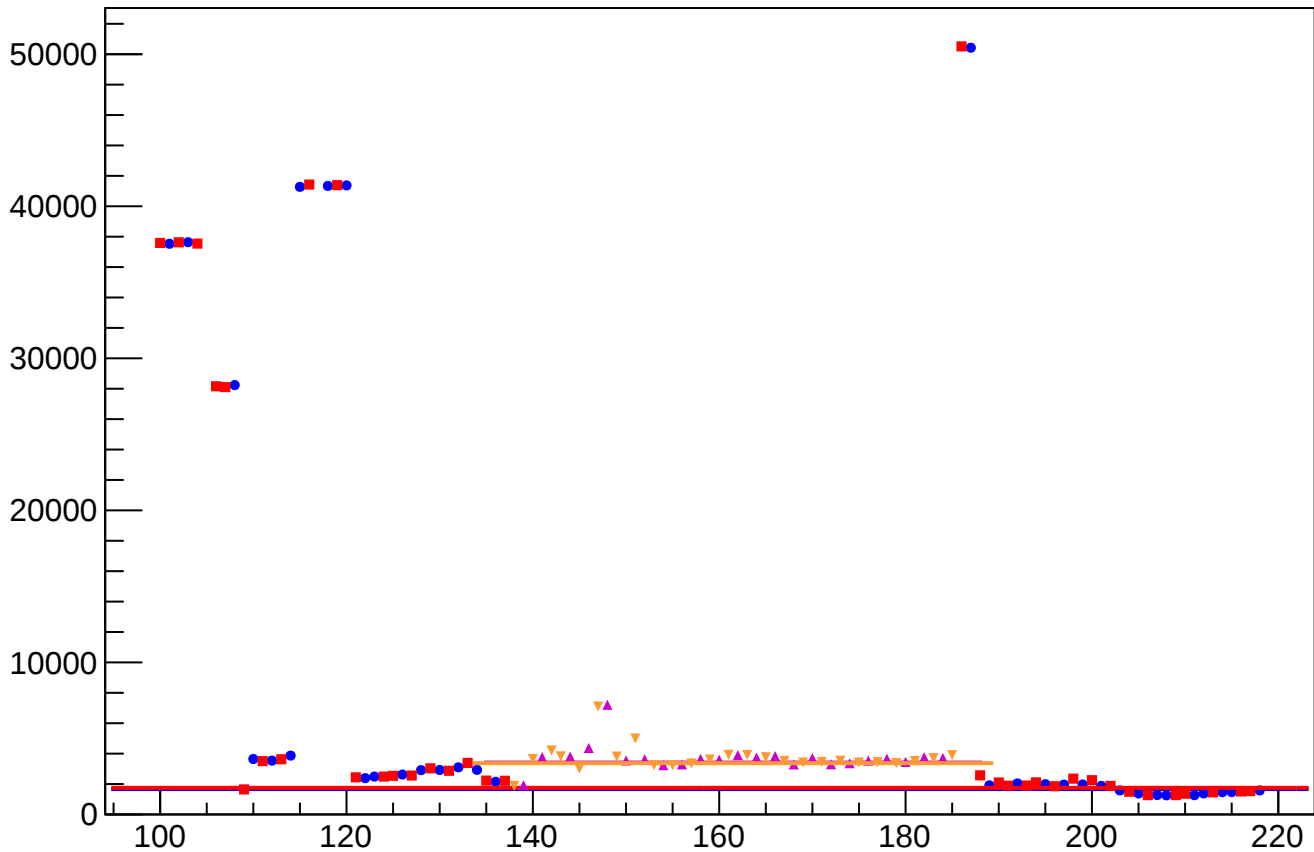
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -1.437 ± 0.386 χ^2/NDF : 84.7/57

All: -1.946 ± 0.280 χ^2/NDF : 222.1/116

- sign -2.512 ± 0.407 χ^2/NDF : 133.6/58

diff_bpm1p02bY_rms vs Slug



Right In: 1670.105+/-0.310 χ^2/NDF : 7110714.8/32

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

Right Out: 1751.469+/-0.328 χ^2/NDF : 7615494.8/35

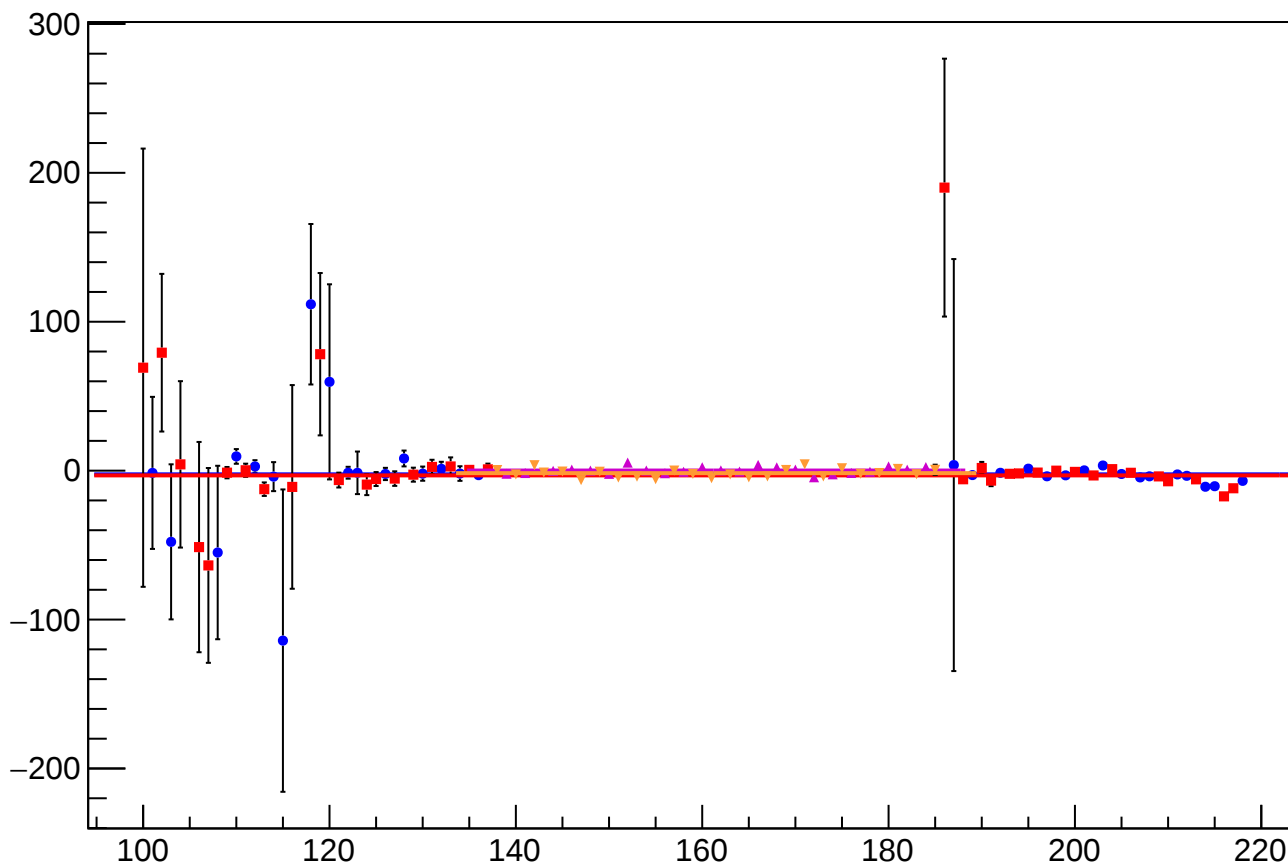
Left In: 3411.924+/-0.596 χ^2/NDF : 1434523.7/22

+ sign 2056.308+/-0.273 χ^2/NDF : 15592932.6/57

All: 2095.154+/-0.198 χ^2/NDF : 30639498.8/100

- sign 2138.302+/-0.288 χ^2/NDF : 15003813.8/58

diff_bpm1p03aX_mean vs Slug



Right In: -2.483 ± 0.554 χ^2/NDF : 51.2/32

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

Right Out: -3.178 ± 0.577 χ^2/NDF : 64.9/35

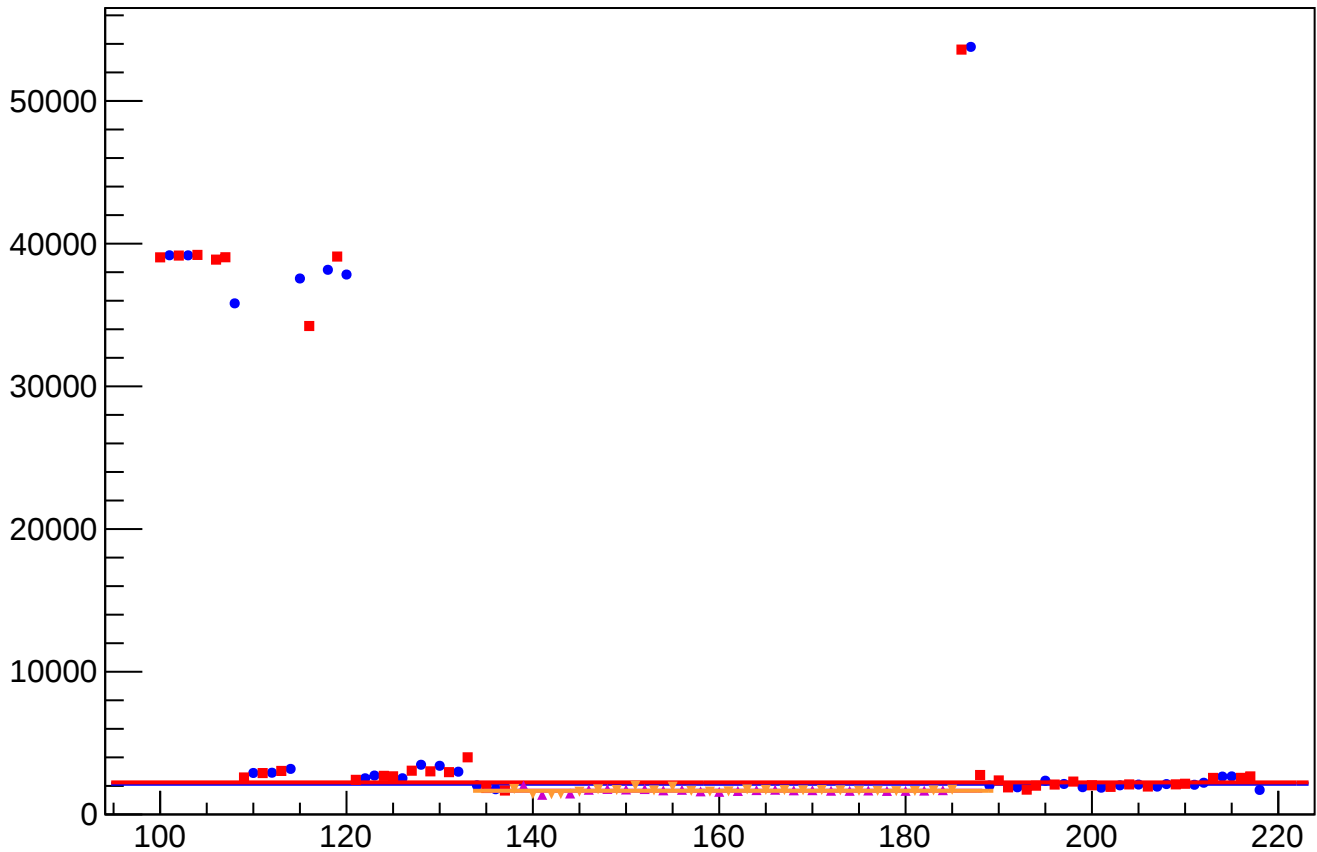
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.939 ± 0.318 χ^2/NDF : 98.3/57

All: -1.480 ± 0.229 χ^2/NDF : 217.1/116

- sign -0.987 ± 0.329 χ^2/NDF : 114.5/58

diff_bpm1p03aX_rms vs Slug



Right In: 2148.800+/-0.392 χ^2/NDF : 5657820.8/32

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

Right Out: 2247.045+/-0.408 χ^2/NDF : 6158867.8/35

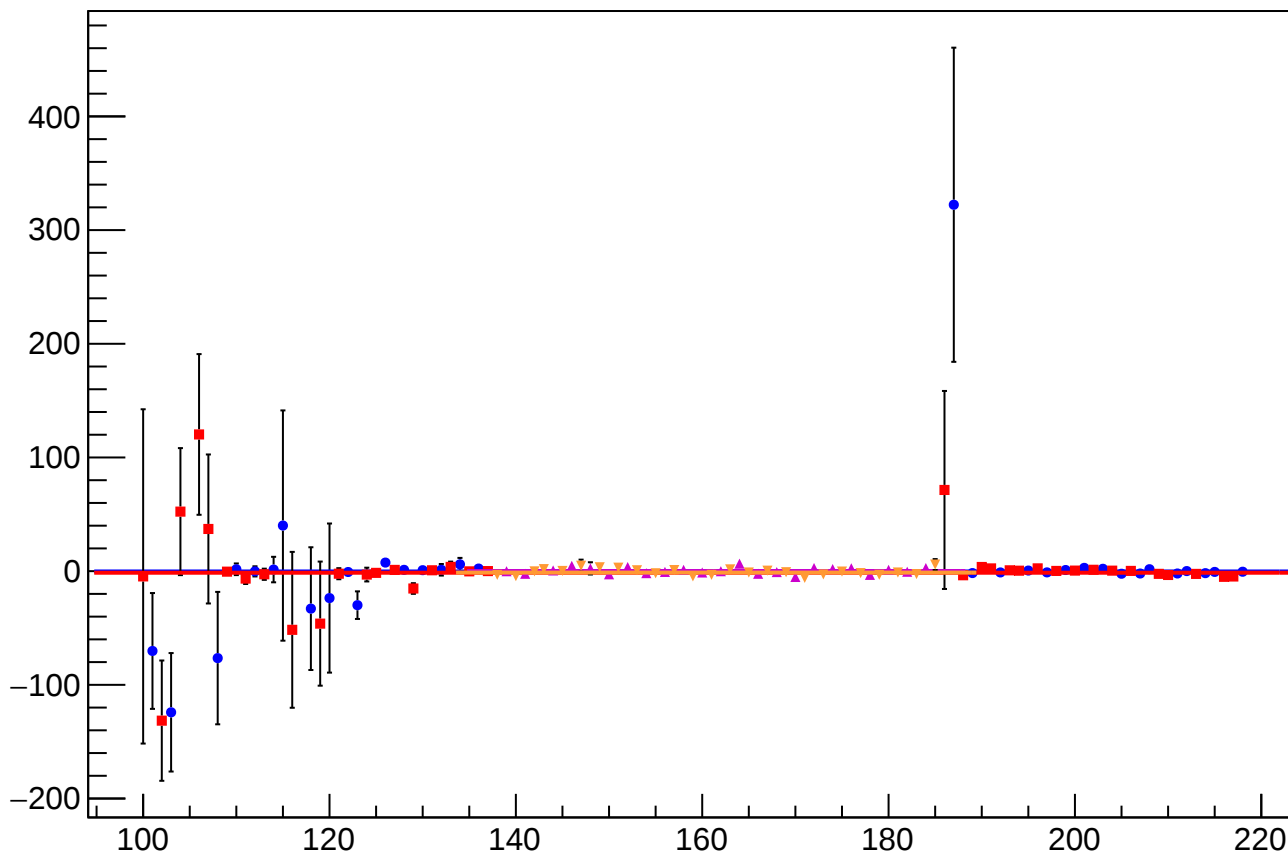
Left In: 1663.620+/-0.284 χ^2/NDF : 178858.2/22

+ sign 1819.515+/-0.225 χ^2/NDF : 6936009.2/57

All: 1836.015+/-0.162 χ^2/NDF : 14664093.9/100

- sign 1853.730+/-0.233 χ^2/NDF : 7716905.4/58

diff_bpm1p03aY_mean vs Slug



Right In: -0.281 ± 0.370 $\chi^2/\text{NDF}: 45.1/32$

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

Right Out: -1.380 ± 0.380 $\chi^2/\text{NDF}: 63.6/35$

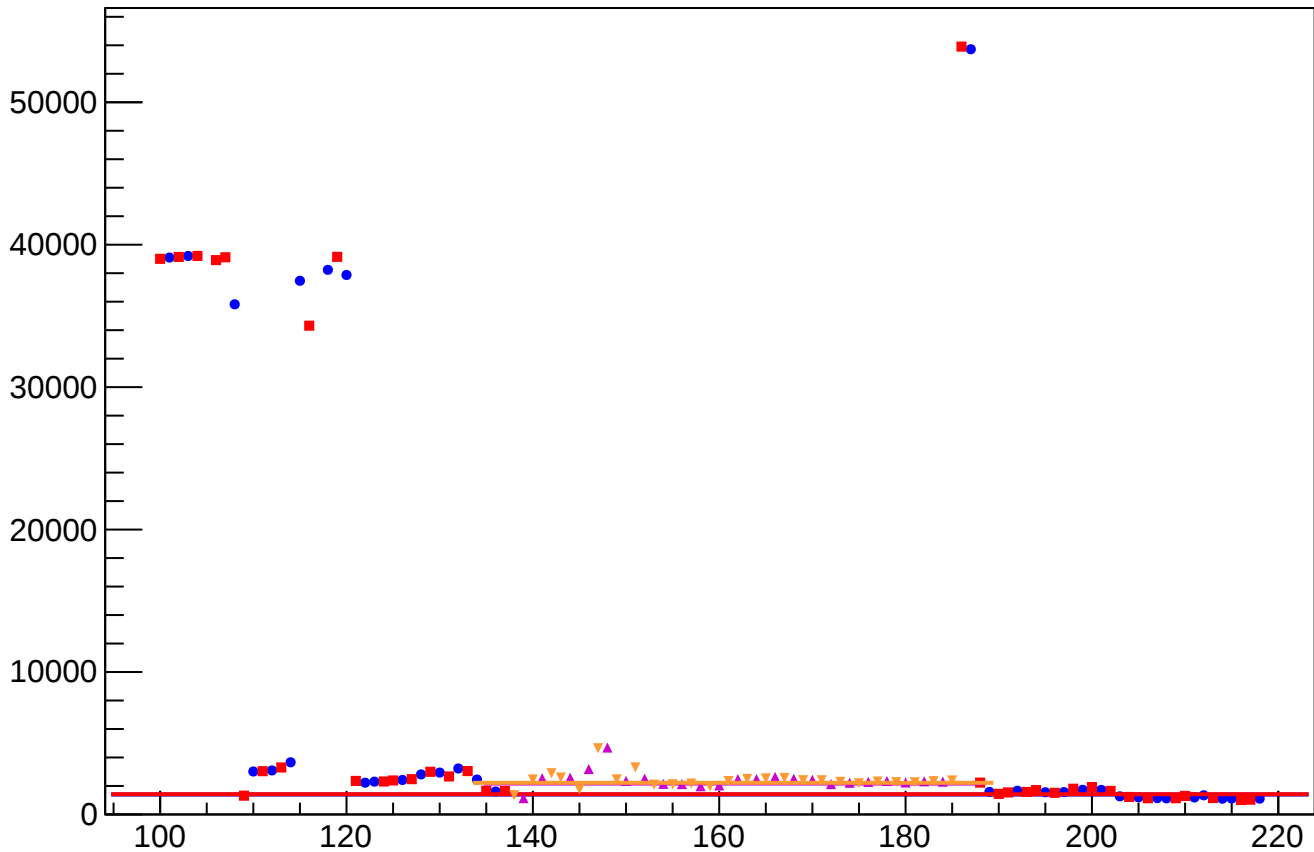
Left In: 0.098 ± 0.541 $\chi^2/\text{NDF}: 19.3/22$

+ sign -0.594 ± 0.304 $\chi^2/\text{NDF}: 69.1/57$

All: -0.740 ± 0.217 $\chi^2/\text{NDF}: 157.5/116$

- sign -0.892 ± 0.311 $\chi^2/\text{NDF}: 87.9/58$

diff_bpm1p03aY_rms vs Slug



Right In: 1399.268+/-0.262 χ^2/NDF : 7407104.6/32

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

Right Out: 1419.041+/-0.269 χ^2/NDF : 8168196.6/35

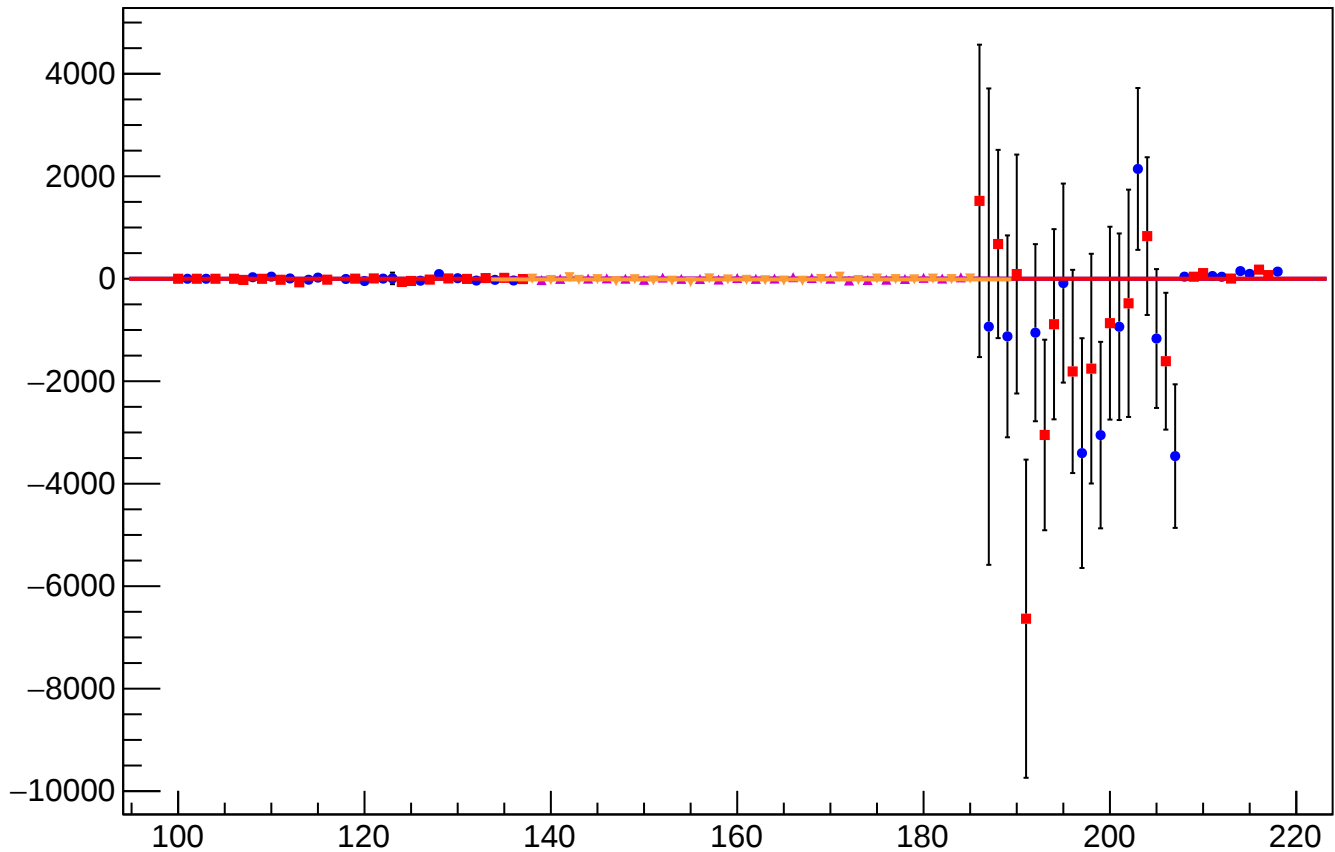
Left In: 2169.443+/-0.383 χ^2/NDF :1974869.8/22

+ sign 1665.286+/-0.215 χ^2/NDF : 12030298.7/57

All: 1666.048+/-0.154 χ^2/NDF : 24748520.0/100

- sign 1666.845+/-0.220 χ^2/NDF : 12718195.6/58

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 57.3/32

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

Right Out: 0.003+/-0.016 χ^2/NDF : 48.0/35

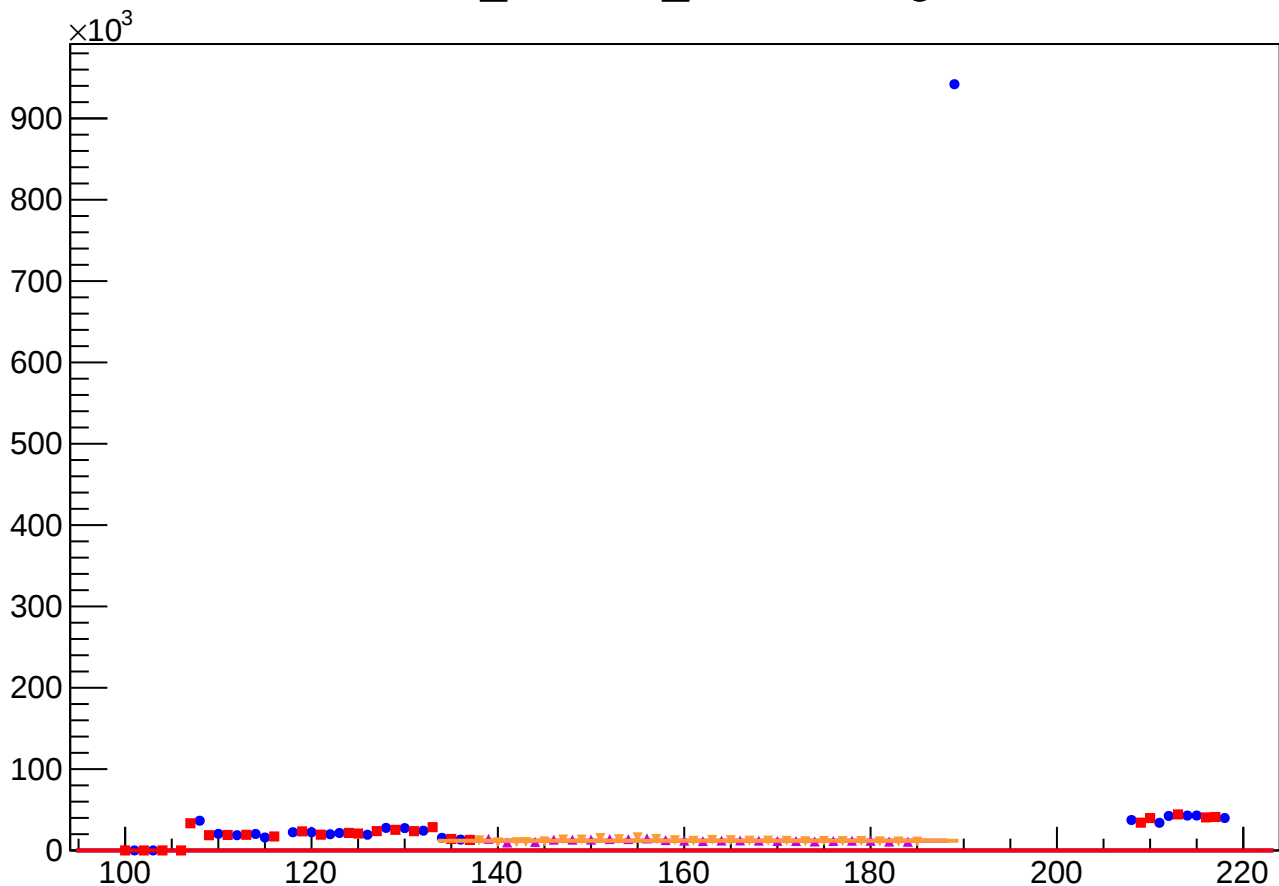
Left In: -0.459+/-2.917 χ^2/NDF : 29.0/22

+ sign 0.013+/-0.017 χ^2/NDF : 139.2/57

All: 0.008+/-0.012 χ^2/NDF : 216.3/116

- sign 0.003+/-0.016 χ^2/NDF : 77.0/58

diff_cav4bX_rms vs Slug



Right In: 18.674+/-0.012 χ^2/NDF : 19820873.6/23

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

Right Out: 18.335+/-0.011 χ^2/NDF : 18295128.7/23

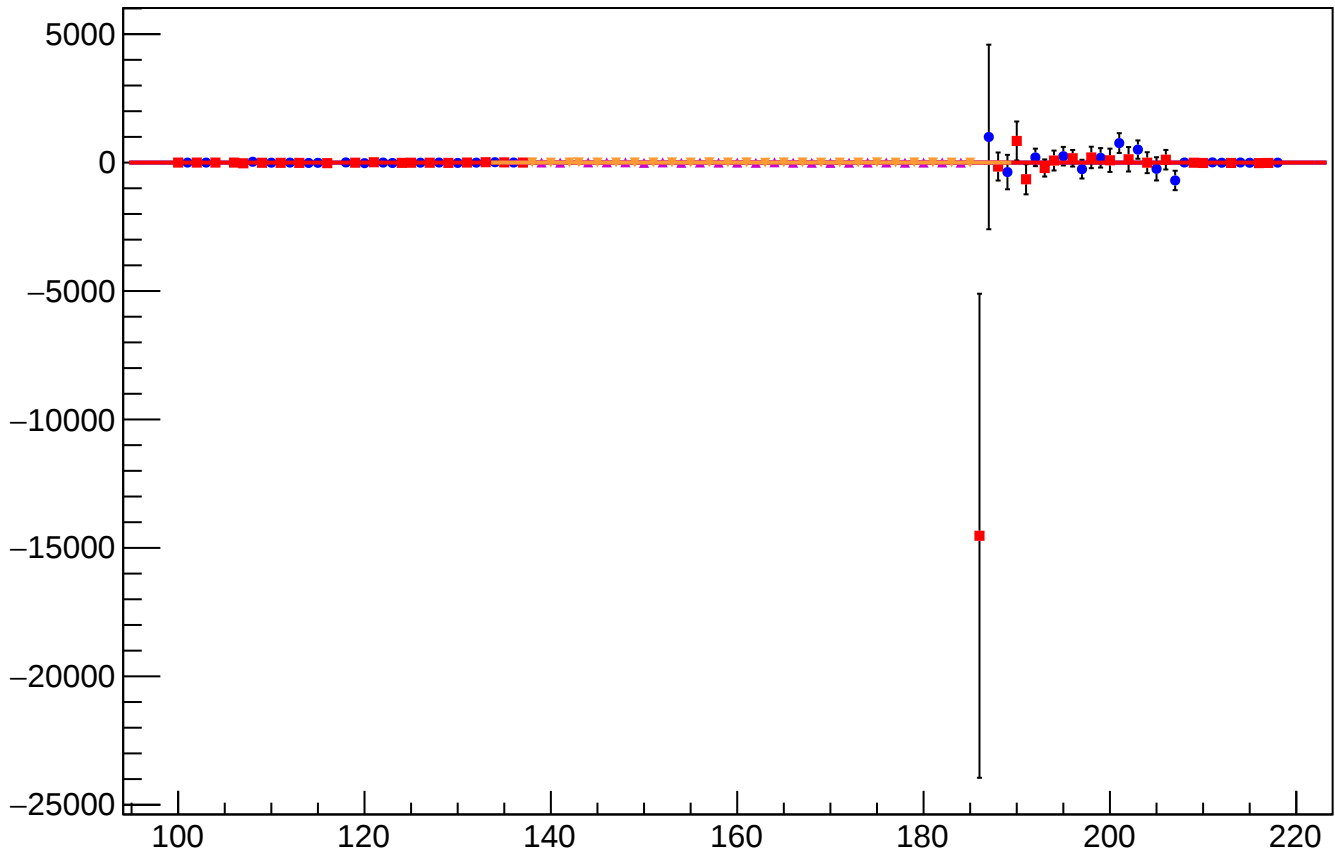
Left In: 12064.761+/-2.062 χ^2/NDF : 368452.5/22

+ sign 19.130+/-0.012 χ^2/NDF : 56360323.4/48

All: 18.899+/-0.008 χ^2/NDF : 109140336.4/95

- sign 18.700+/-0.011 χ^2/NDF : 52779353.0/46

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 27.6/32

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 49.8/35

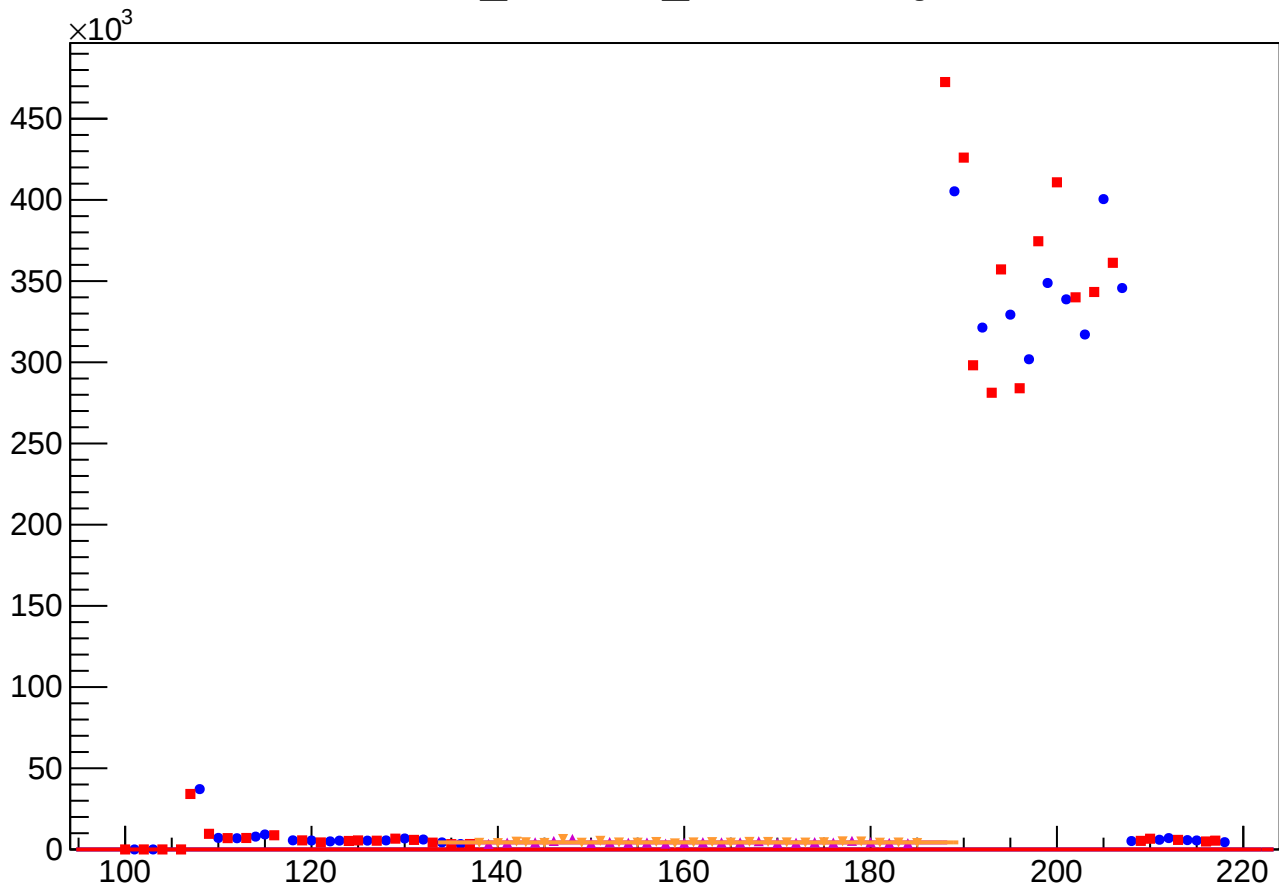
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 48.6/57

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 135.9/116

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 86.2/58

diff_cav4bY_rms vs Slug



Right In: 10.006 ± 0.007 χ^2/NDF : 33224042.6/31

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

Right Out: 9.904 ± 0.006 χ^2/NDF : 33061078.7/34

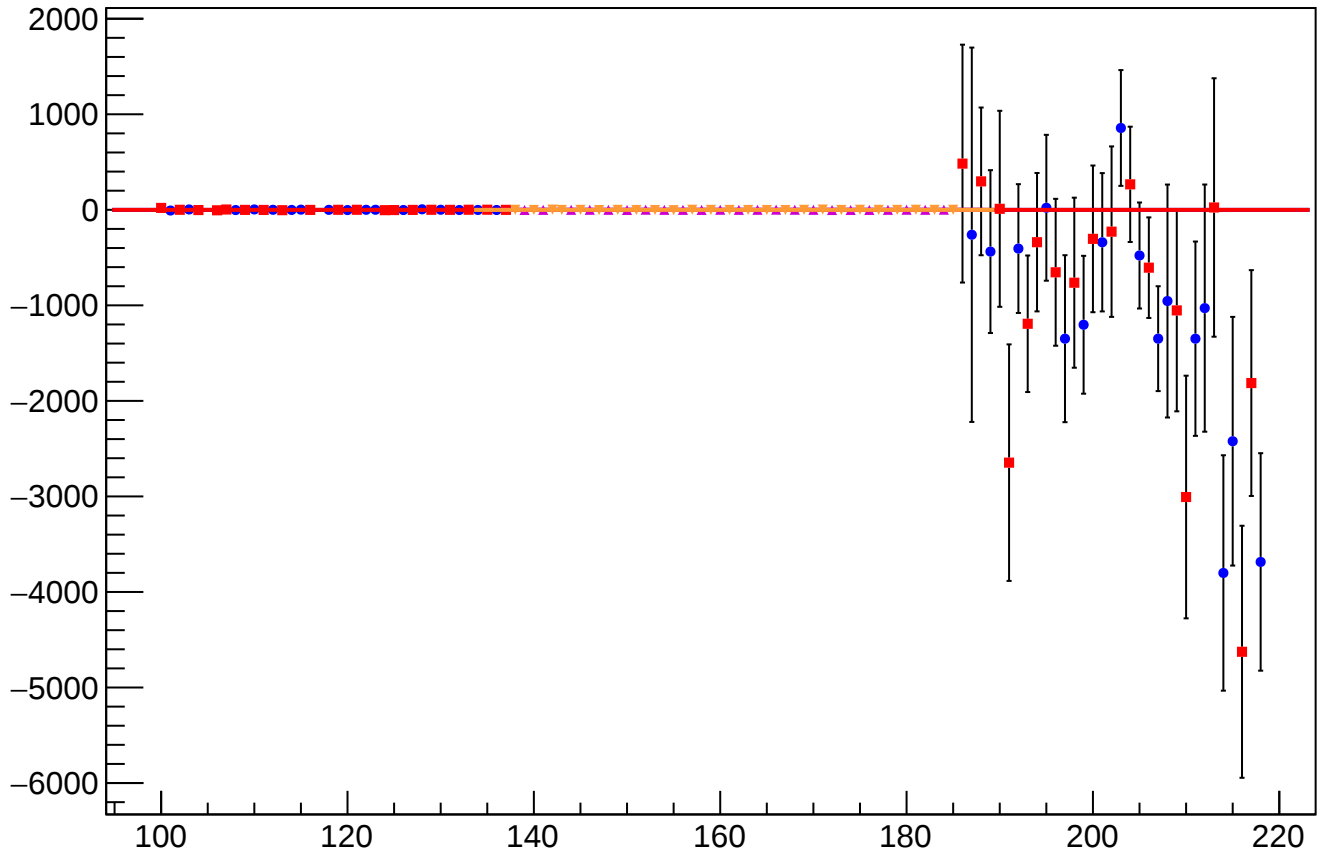
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

+ sign 10.358 ± 0.007 χ^2/NDF : 69650354.5/56

All: 10.272 ± 0.004 χ^2/NDF : 137044355.9/1

- sign 10.197 ± 0.006 χ^2/NDF : 67393678.7/57

diff_cav4cX_mean vs Slug



Right In: -0.718 ± 0.483 χ^2/NDF : 64.0/32

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

Right Out: -0.642 ± 0.501 χ^2/NDF : 45.4/35

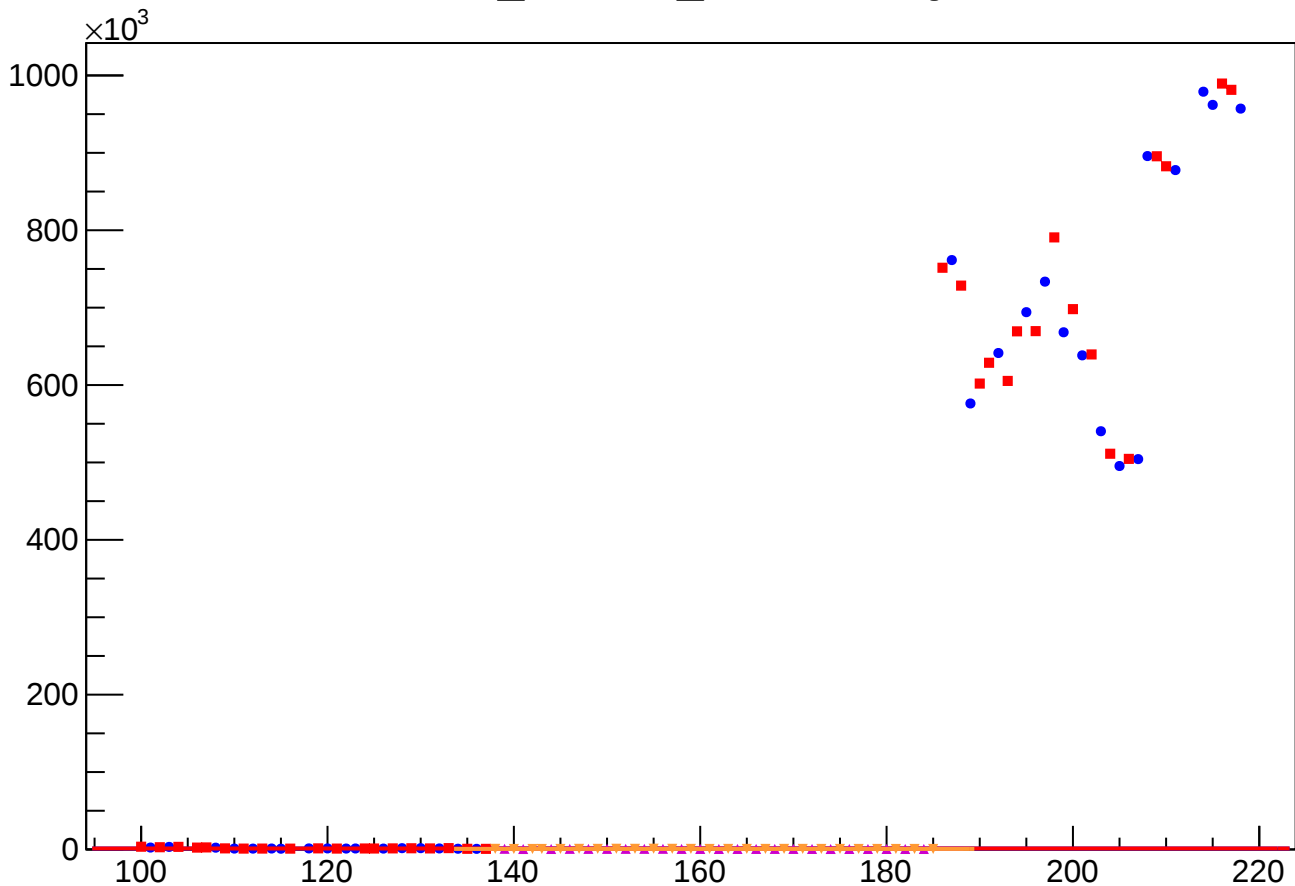
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 122.5/57

All: -0.439 ± 0.112 χ^2/NDF : 208.0/116

- sign -0.083 ± 0.162 χ^2/NDF : 76.2/58

diff_cav4cX_rms vs Slug



Right In: 1170.295 $\pm$ 0.342 χ^2 /NDF: 19030163.2/31

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

Right Out: 1251.290 $\pm$ 0.355 χ^2 /NDF: 19242431.7/34

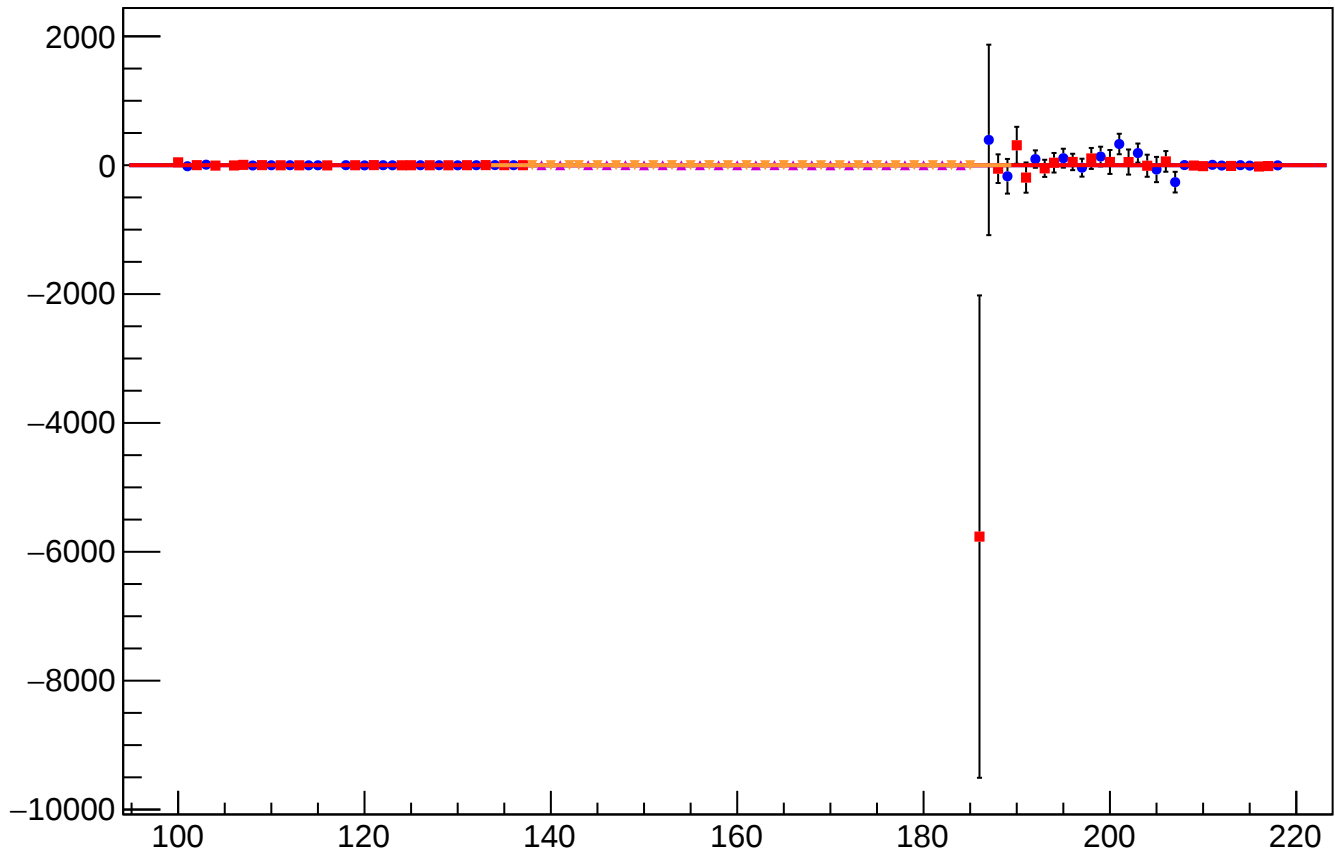
Left In: 706.971 $\pm$ 0.121 χ^2 /NDF:332011.4/22

+ sign 749.782 $\pm$ 0.110 χ^2 /NDF: 21114071.1/56

All: 756.405 $\pm$ 0.079 χ^2 /NDF: 42807472.9/1

- sign 763.538 $\pm$ 0.114 χ^2 /NDF: 21685892.9/57

diff_cav4cY_mean vs Slug



Right In: -0.072 ± 0.267 χ^2/NDF : 33.8/32

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

Right Out: 0.126 ± 0.263 χ^2/NDF : 59.1/35

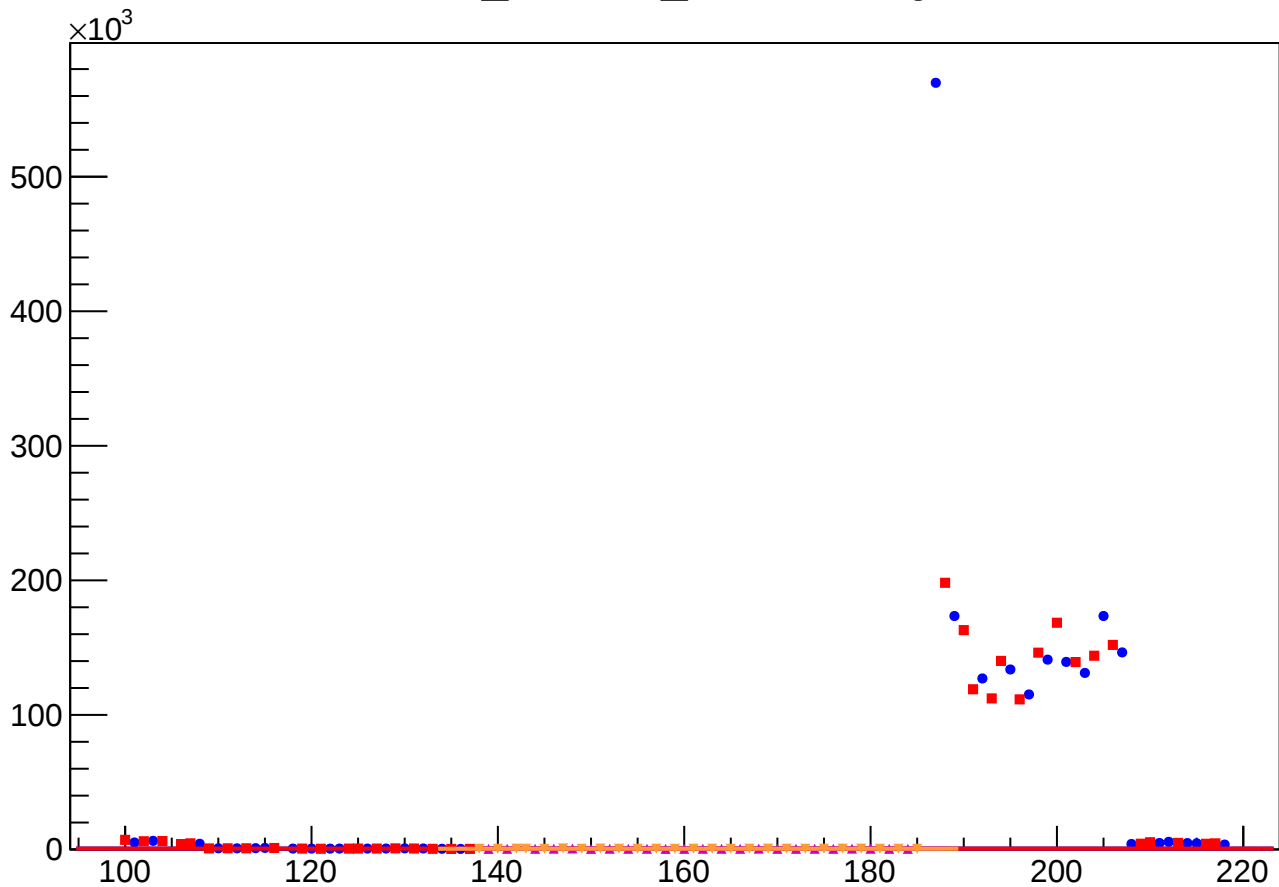
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.180 ± 0.111 χ^2/NDF : 52.9/57

All: 0.153 ± 0.080 χ^2/NDF : 147.0/116

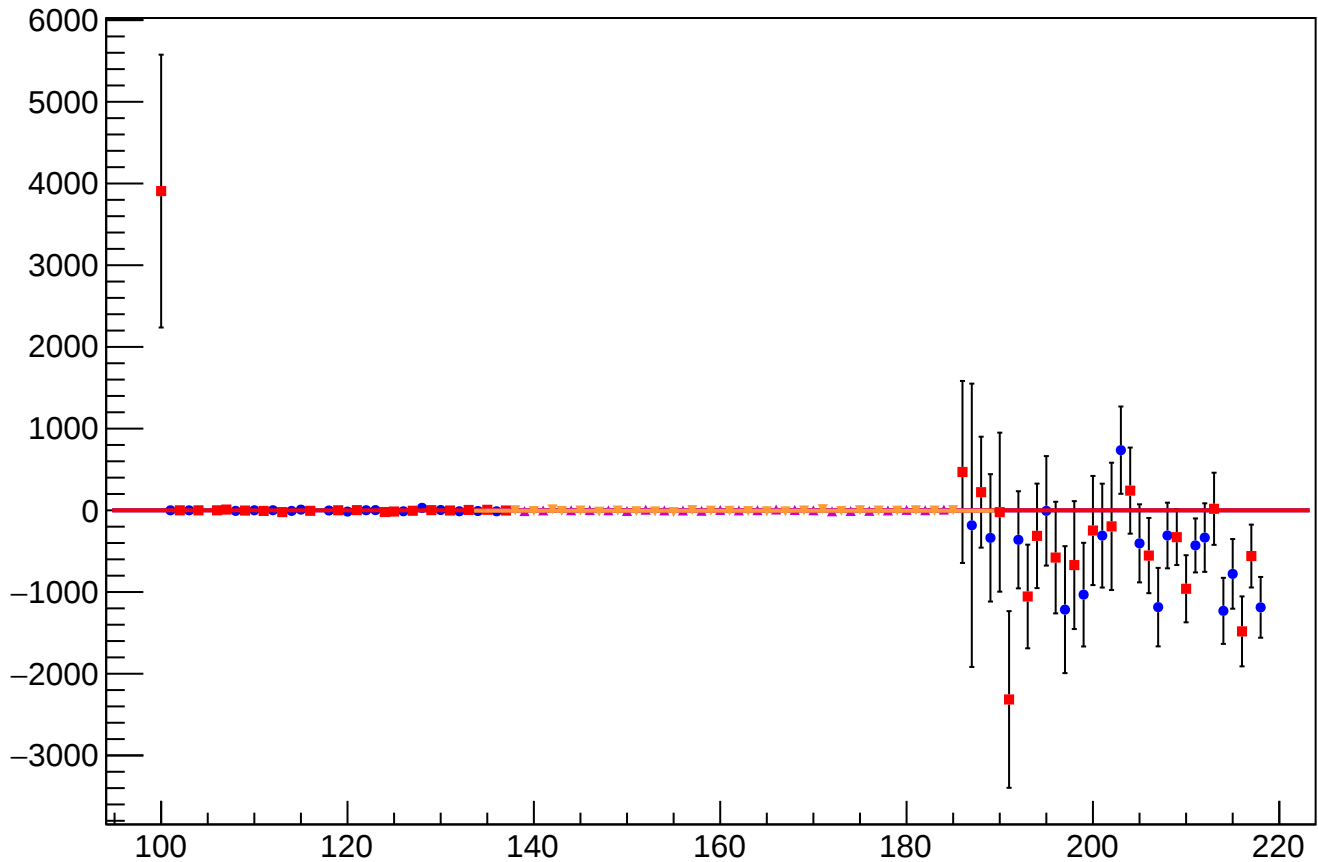
- sign 0.126 ± 0.114 χ^2/NDF : 94.0/58

diff_cav4cY_rms vs Slug



Right In: 671.503 $\pm$ 0.189 χ^2 /NDF: 23324666.8/32 + sign 548.230 $\pm$ 0.079 χ^2 /NDF: 24171687.5/57
 Left Out: 522.220 $\pm$ 0.087 χ^2 /NDF: 330405.3/24 All: 546.529 $\pm$ 0.056 χ^2 /NDF: 48703132.4/1
 Right Out: 649.217 $\pm$ 0.186 χ^2 /NDF: 23714179.4/34 - sign 544.757 $\pm$ 0.080 χ^2 /NDF: 24530493.1/57
 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 : 56.3/32

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

Right Out: -0.027 ± 0.020 χ^2/NDF : 49.1/35

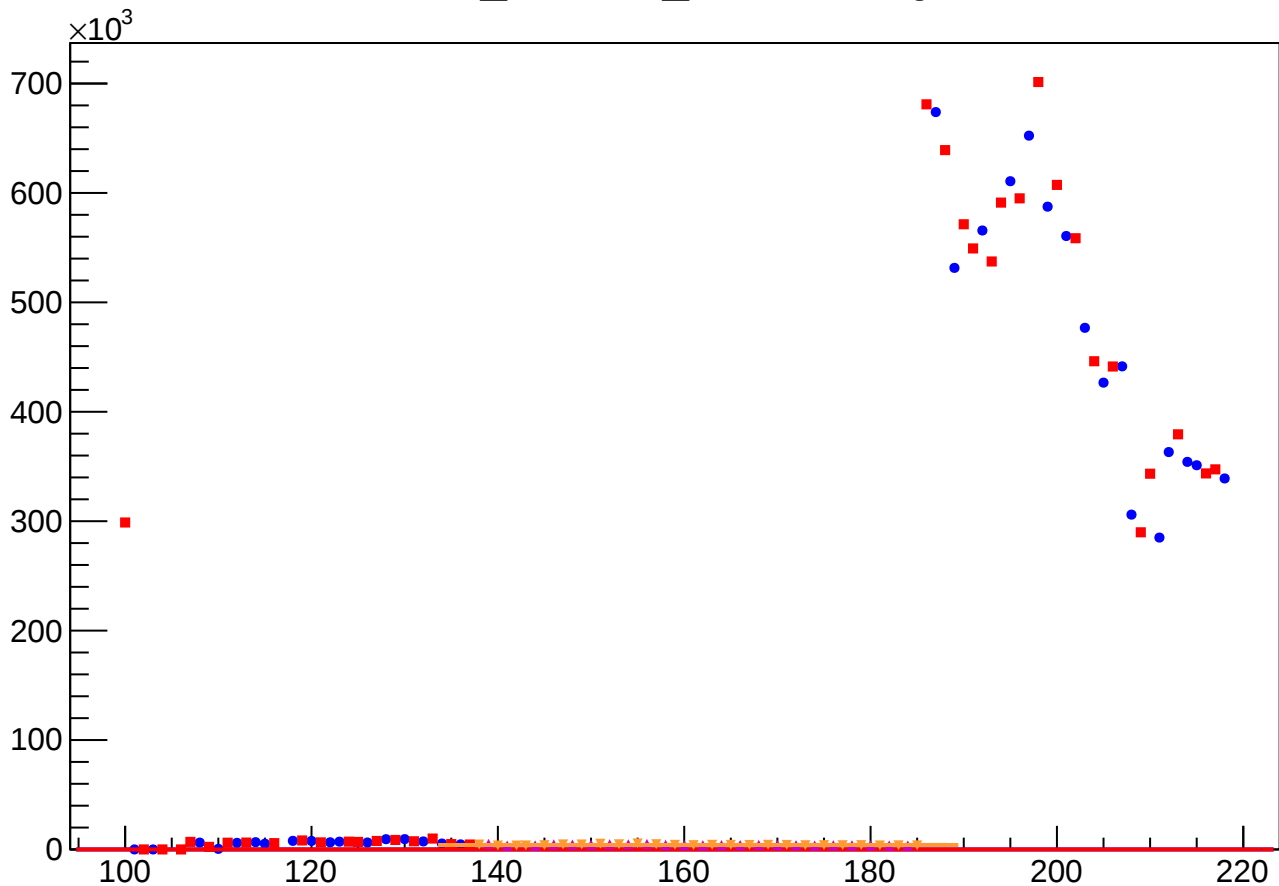
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 136.4/57

All: -0.025 ± 0.014 χ^2/NDF : 215.0/116

- sign -0.027 ± 0.020 χ^2/NDF : 78.6/58

diff_cav4dX_rms vs Slug



Right In: 17.351+/-0.015 χ^2/NDF : 33419460.6/32

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

Right Out: 17.277+/-0.014 χ^2/NDF : 33928473.2/35

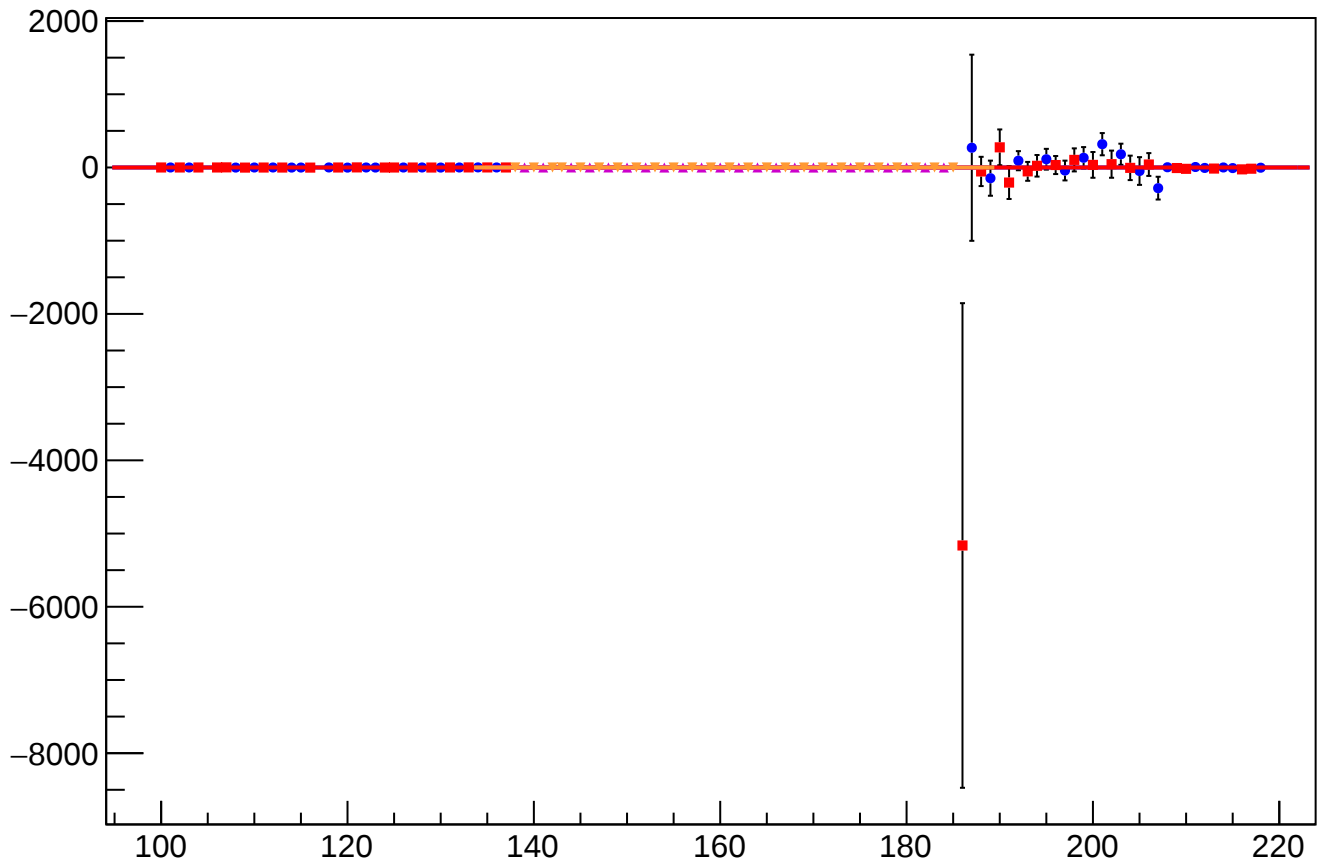
Left In: 4113.993+/-0.703 χ^2/NDF :349160.6/22

+ sign 19.265+/-0.015 χ^2/NDF : 69769426.0/57

All: 19.072+/-0.010 χ^2/NDF : 138003209.7/11

- sign 18.898+/-0.014 χ^2/NDF : 68233456.2/58

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 29.0/32

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

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 59.4/35

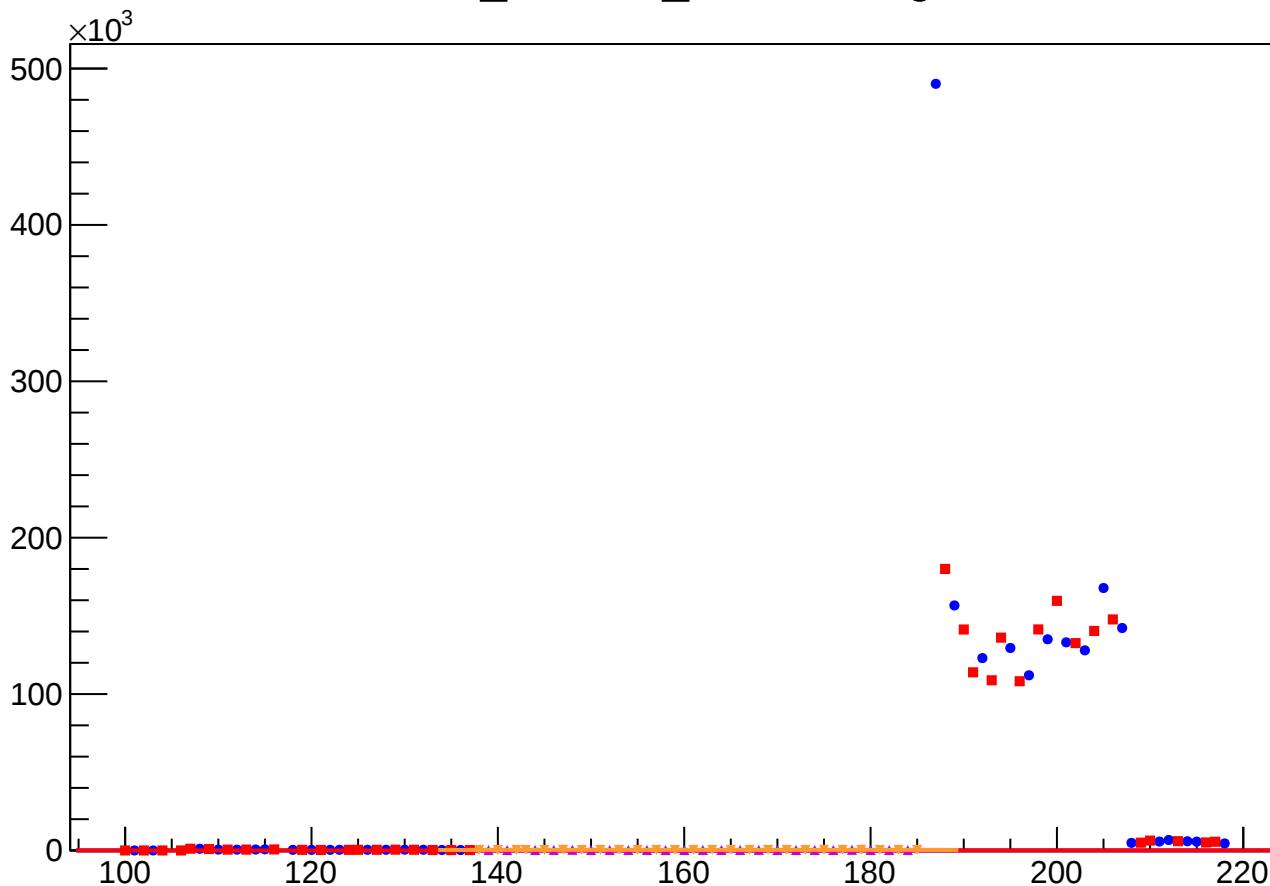
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF:34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 50.0/57

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 145.1/116

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 95.1/58

diff_cav4dY_rms vs Slug



Right In: 1.702 $\pm$ 0.001 χ^2 /NDF: 33617984.4/32

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

Right Out: 1.731 $\pm$ 0.001 χ^2 /NDF: 32858434.4/34

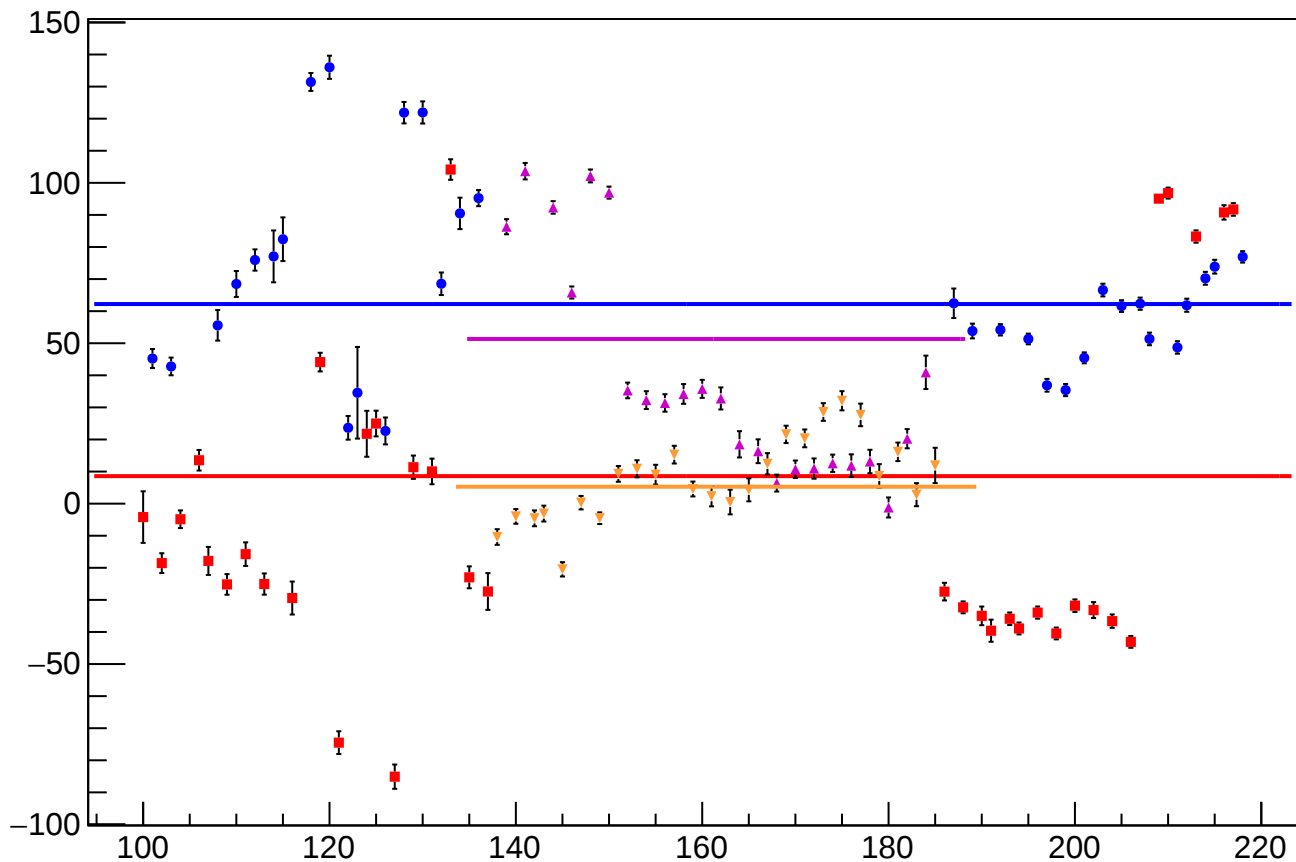
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF:413350.0/22

+ sign 1.930 $\pm$ 0.001 χ^2 /NDF: 69829129.8/57

All: 1.928 $\pm$ 0.001 χ^2 /NDF: 136824948.7/115

- sign 1.927 $\pm$ 0.001 χ^2 /NDF: 66995816.4/57

diff_bpm0i01X_mean vs Slug



Right In: 62.218 $\pm$ 0.429 χ^2 /NDF: 2908.7/32

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

Right Out: 8.574 $\pm$ 0.417 χ^2 /NDF: 19797.1/35

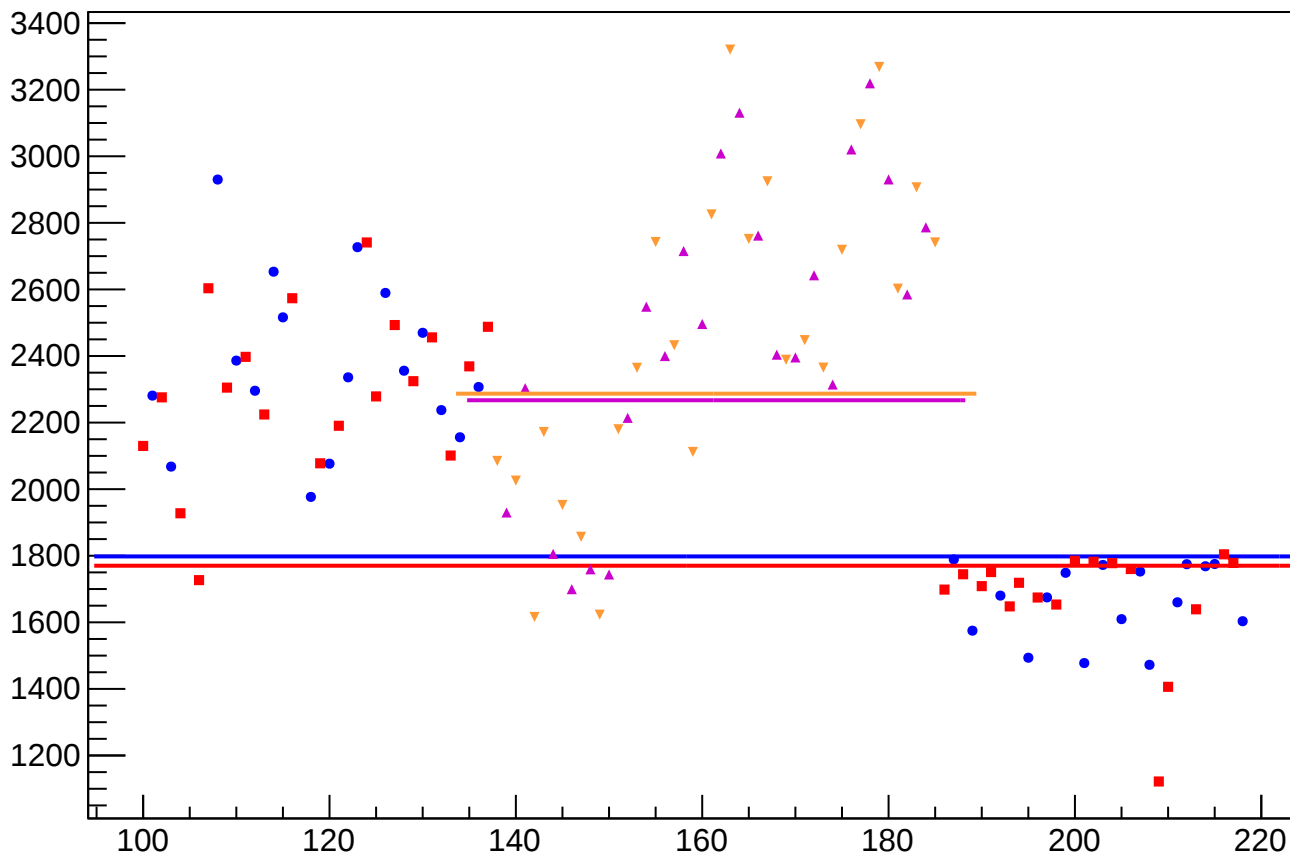
Left In: 51.328 $\pm$ 0.558 χ^2 /NDF: 4257.8/22

+ sign 40.388 $\pm$ 0.337 χ^2 /NDF: 10216.7/57

All: 32.078 $\pm$ 0.237 χ^2 /NDF: 39240.4/116

- sign 23.898 $\pm$ 0.334 χ^2 /NDF: 27816.5/58

diff_bpm0i01X_rms vs Slug



Right In: 1797.990 $\pm$ 0.303 χ^2 /NDF: 999828.4/32

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

Right Out: 1770.030 $\pm$ 0.295 χ^2 /NDF: 1357747.4/35

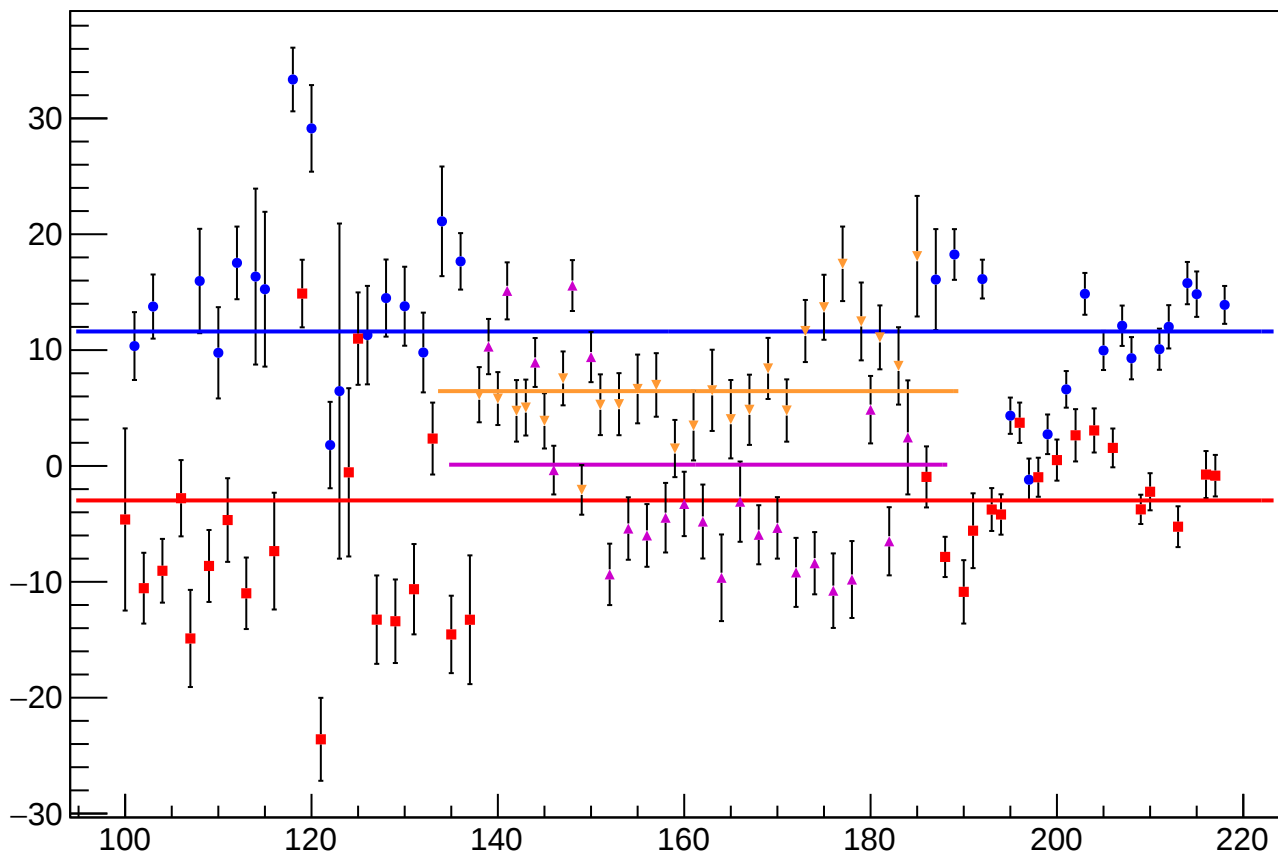
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 1985.406 $\pm$ 0.238 χ^2 /NDF: 3355706.2/57

All: 1966.653 $\pm$ 0.168 χ^2 /NDF: 7056029.8/11

- sign 1948.194 $\pm$ 0.236 χ^2 /NDF: 3688029.4/58

diff_bpm0i01Y_mean vs Slug



Right In: 11.608 ± 0.401 χ^2/NDF : 251.1/32

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

Right Out: -2.976 ± 0.392 χ^2/NDF : 217.8/35

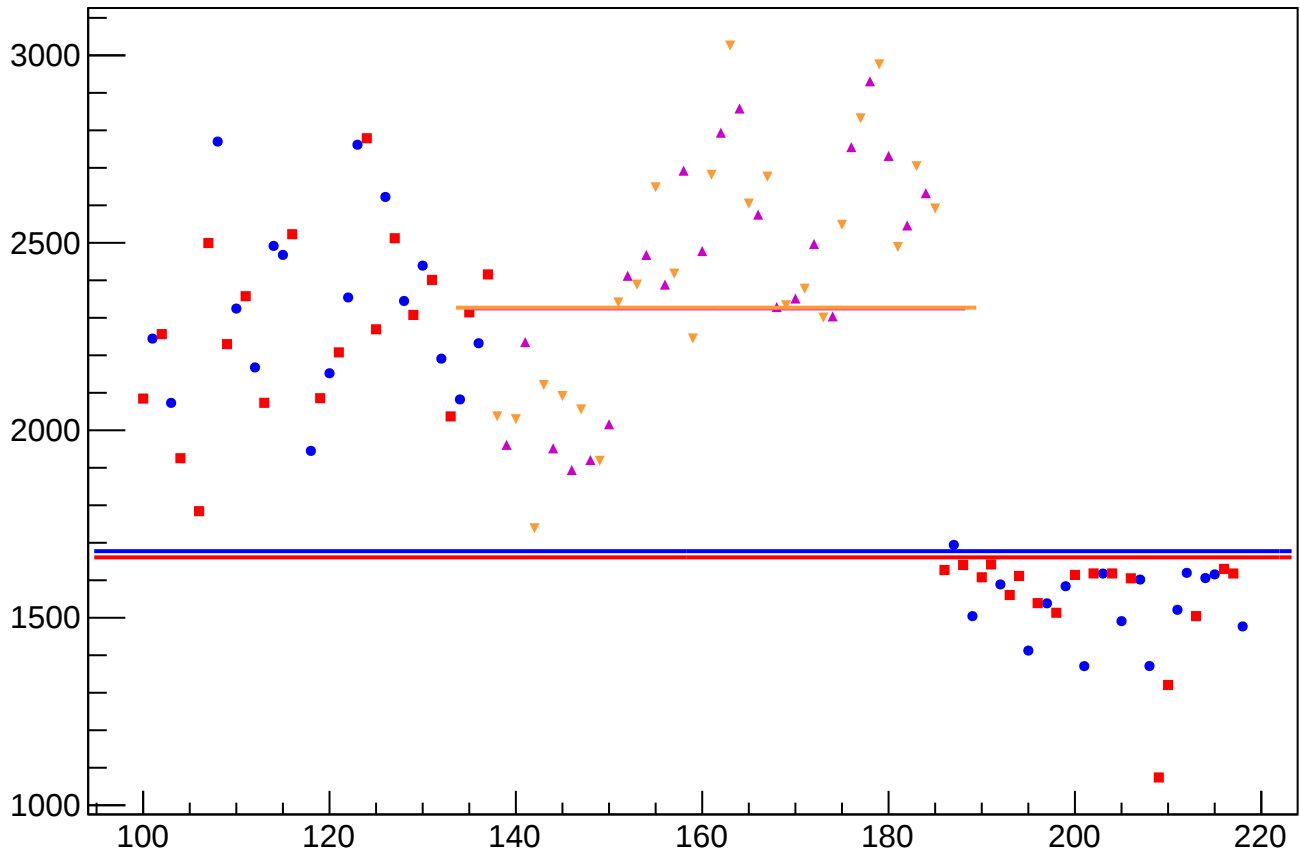
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 9.808 ± 0.324 χ^2/NDF : 367.4/57

All: 3.893 ± 0.228 χ^2/NDF : 1504.6/116

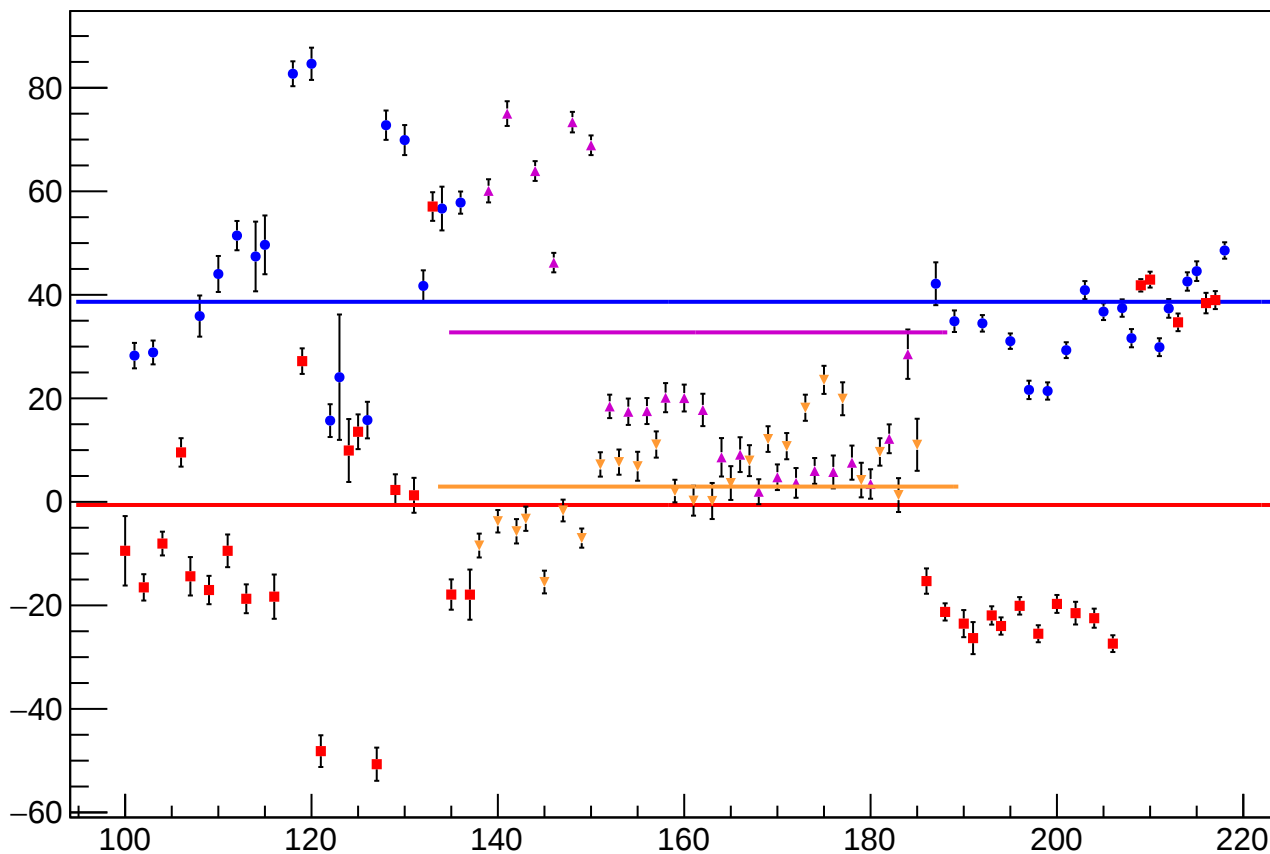
- sign -1.972 ± 0.322 χ^2/NDF : 472.4/58

diff_bpm0i01Y_rms vs Slug



Right In: 1677.595+/-0.284	χ^2/NDF : 1265181.6/32	+ sign 1904.606+/-0.229	χ^2/NDF : 3741990.1/57
Left Out: 2327.044+/-0.387	χ^2/NDF : 646706.7/24	All: 1890.839+/-0.162	χ^2/NDF : 7781756.1/11
Right Out: 1661.121+/-0.278	χ^2/NDF : 1559046.3/35	- sign 1877.187+/-0.228	χ^2/NDF : 4032562.6/58
Left In: 2325.175+/-0.400	χ^2/NDF : 610729.2/22		

diff_bpm0i01aX_mean vs Slug



Right In: 38.653 ± 0.377 $\chi^2/\text{NDF}: 1446.5/32$

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

Right Out: -0.601 ± 0.367 $\chi^2/\text{NDF}: 6364.2/35$

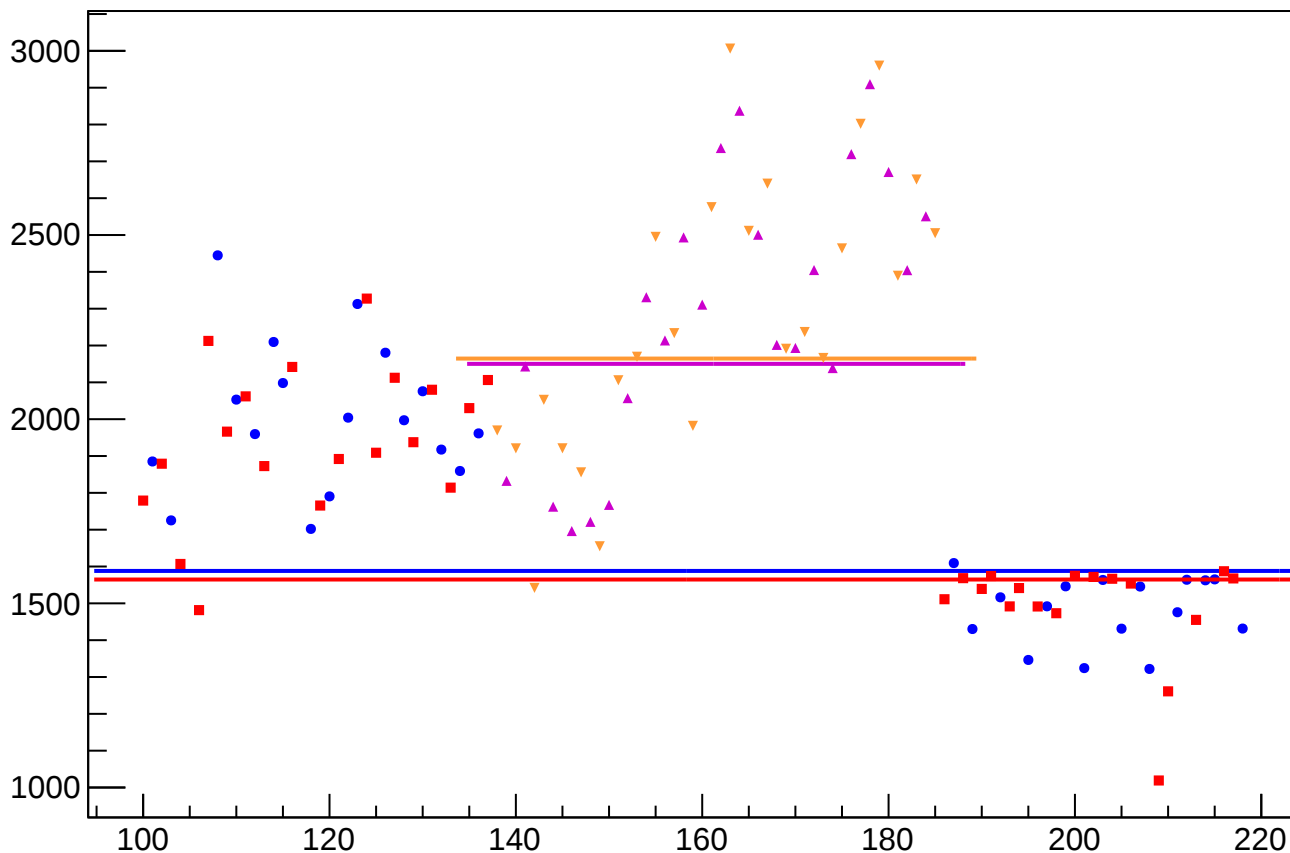
Left In: 32.745 ± 0.526 $\chi^2/\text{NDF}: 2632.5/22$

+ sign 26.082 ± 0.304 $\chi^2/\text{NDF}: 4935.3/57$

All: 18.139 ± 0.214 $\chi^2/\text{NDF}: 17988.7/116$

- sign 10.329 ± 0.301 $\chi^2/\text{NDF}: 11697.3/58$

diff_bpm0i01aX_rms vs Slug



Right In: 1588.006 $\pm$ 0.267 χ^2 /NDF: 764170.0/32

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

Right Out: 1564.689 $\pm$ 0.260 χ^2 /NDF: 1081112.1/35

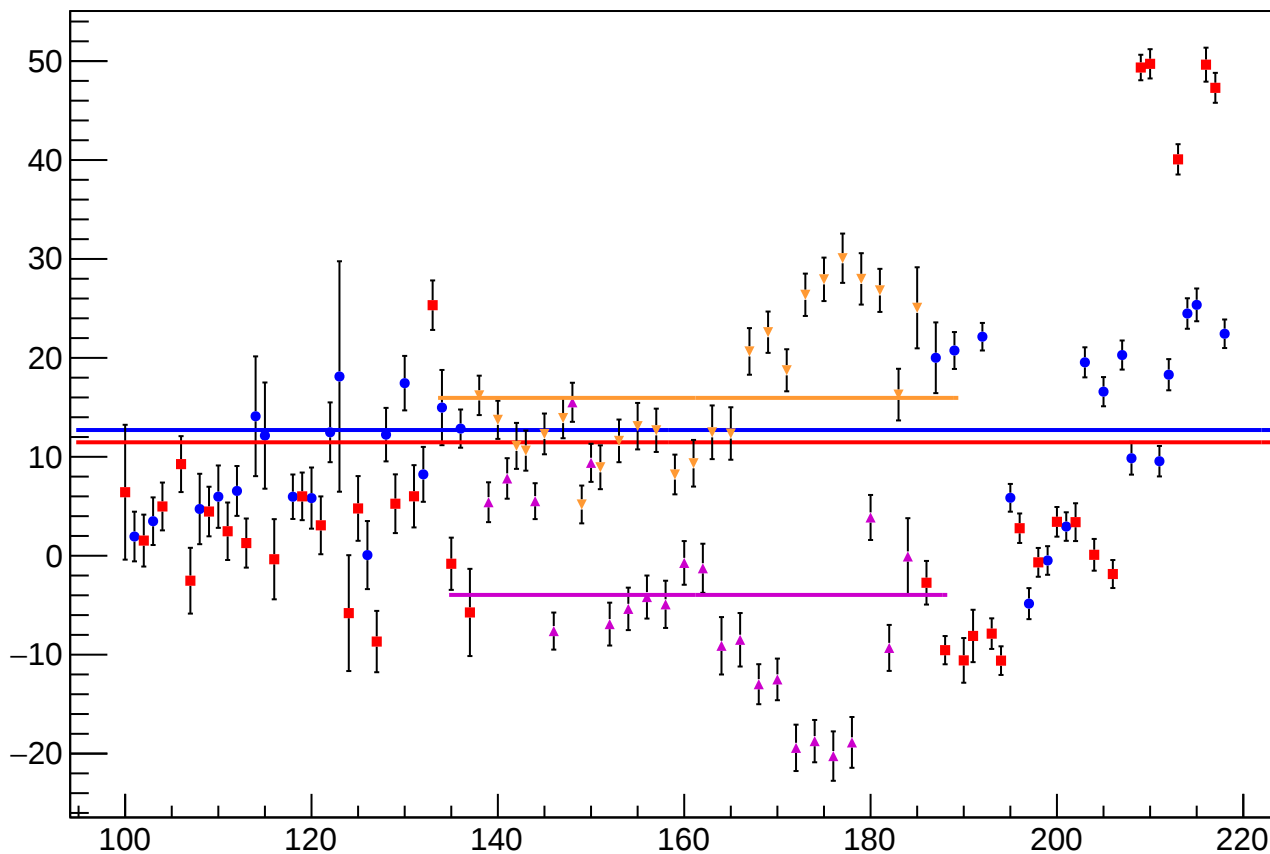
Left In: 2150.190 $\pm$ 0.372 χ^2 /NDF: 911849.7/22

+ sign 1791.018 $\pm$ 0.215 χ^2 /NDF: 3373470.3/57

All: 1773.663 $\pm$ 0.151 χ^2 /NDF: 7044443.8/11

- sign 1756.599 $\pm$ 0.213 χ^2 /NDF: 3658026.6/58

diff_bpm0i01aY_mean vs Slug



Right In: 12.708 ± 0.342 $\chi^2/\text{NDF}: 664.5/32$

Left Out: 15.956 ± 0.447 $\chi^2/\text{NDF}: 245.2/24$

Right Out: 11.467 ± 0.336 $\chi^2/\text{NDF}: 4247.4/35$

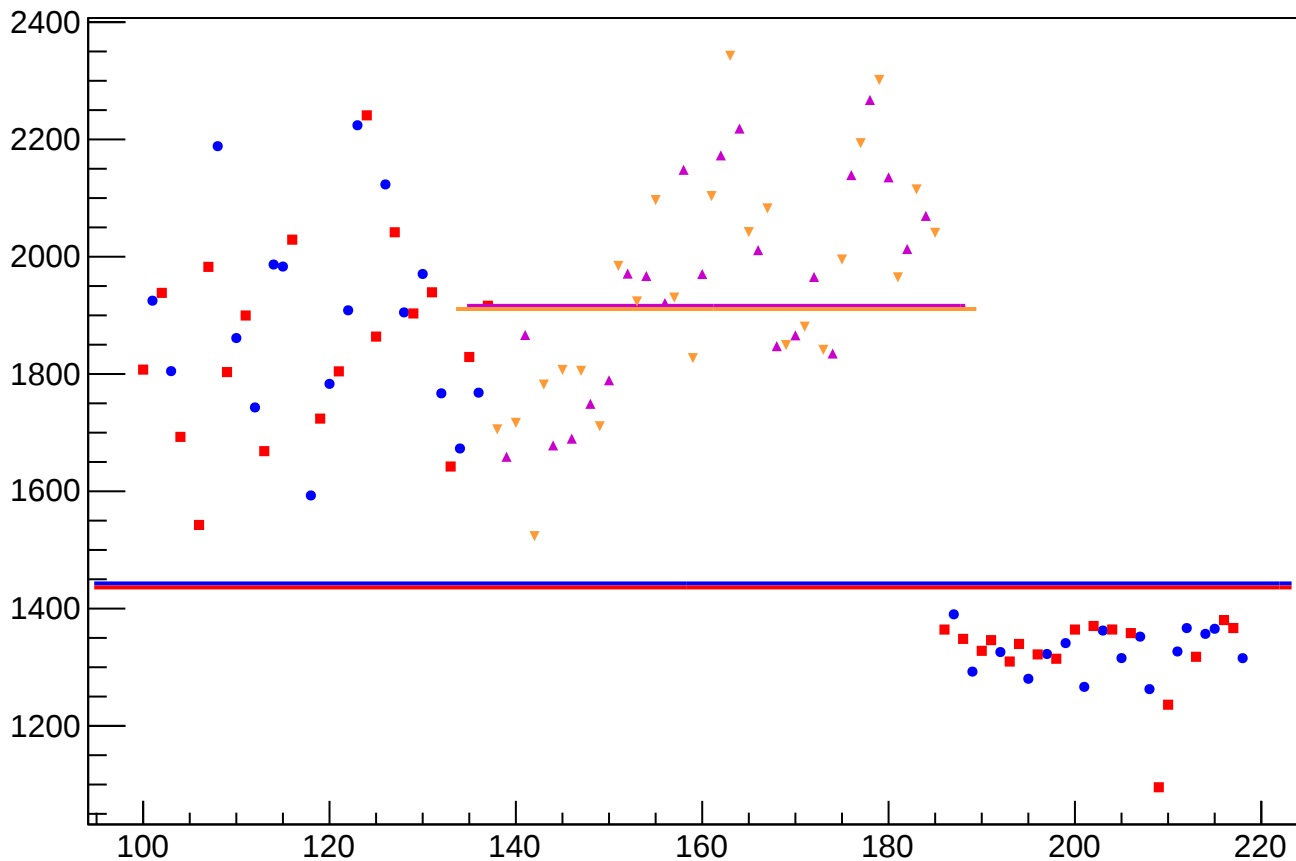
Left In: -3.960 ± 0.463 $\chi^2/\text{NDF}: 464.9/22$

+ sign 13.907 ± 0.272 $\chi^2/\text{NDF}: 943.0/57$

All: 10.025 ± 0.192 $\chi^2/\text{NDF}: 6790.6/116$

- sign 6.143 ± 0.272 $\chi^2/\text{NDF}: 5439.9/58$

diff_bpm0i01aY_rms vs Slug



Right In: 1442.902 $\pm$ 0.242 χ^2 /NDF: 897893.7/32

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

Right Out: 1436.096 $\pm$ 0.238 χ^2 /NDF: 979946.8/35

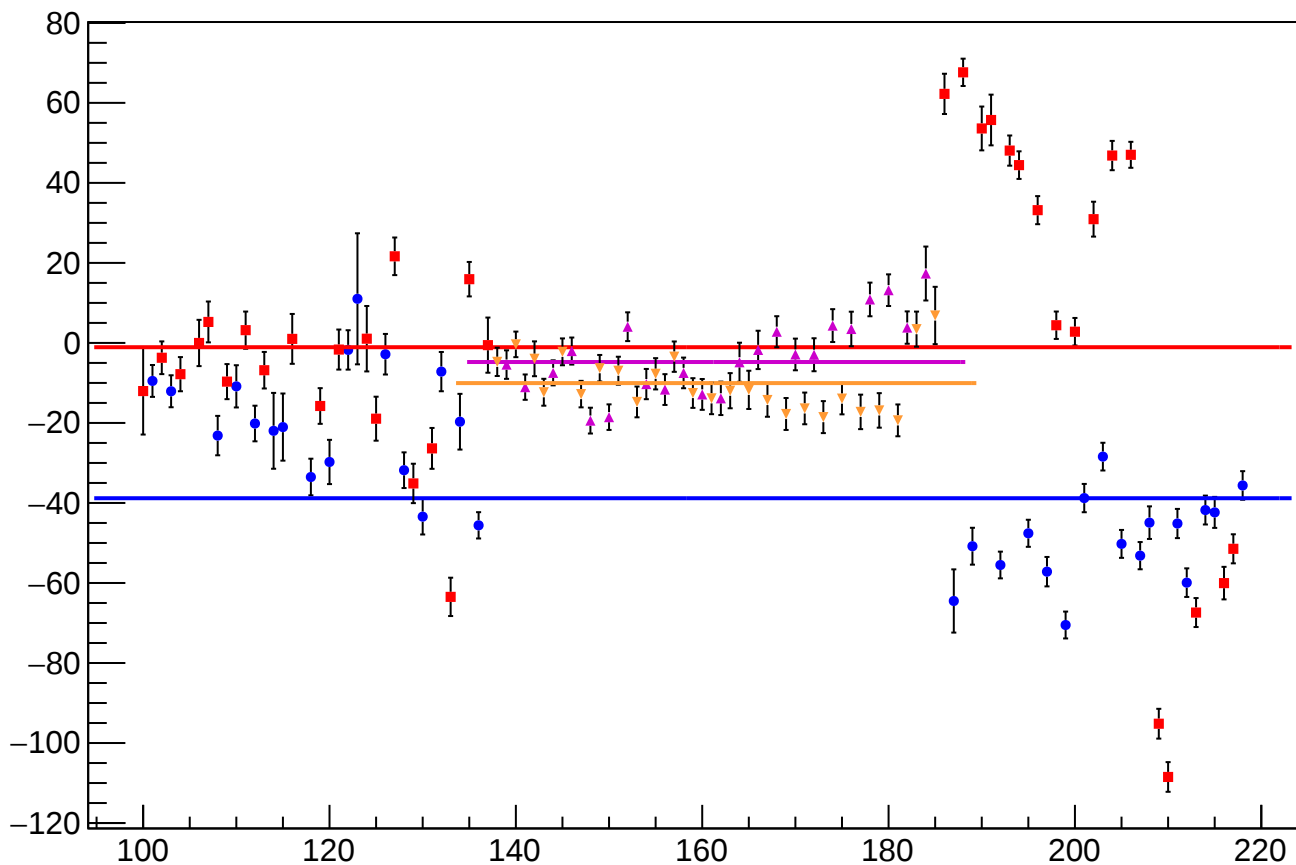
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1615.708 $\pm$ 0.192 χ^2 /NDF: 2606853.6/57

All: 1608.744 $\pm$ 0.136 χ^2 /NDF: 5272814.9/11

- sign 1601.780 $\pm$ 0.192 χ^2 /NDF: 2663337.0/58

diff_bpm0l01X_mean vs Slug



Right In: -38.817 ± 0.732 $\chi^2/\text{NDF}: 582.4/32$

Left Out: -10.042 ± 0.776 $\chi^2/\text{NDF}: 67.1/24$

Right Out: -1.072 ± 0.723 $\chi^2/\text{NDF}: 4160.2/35$

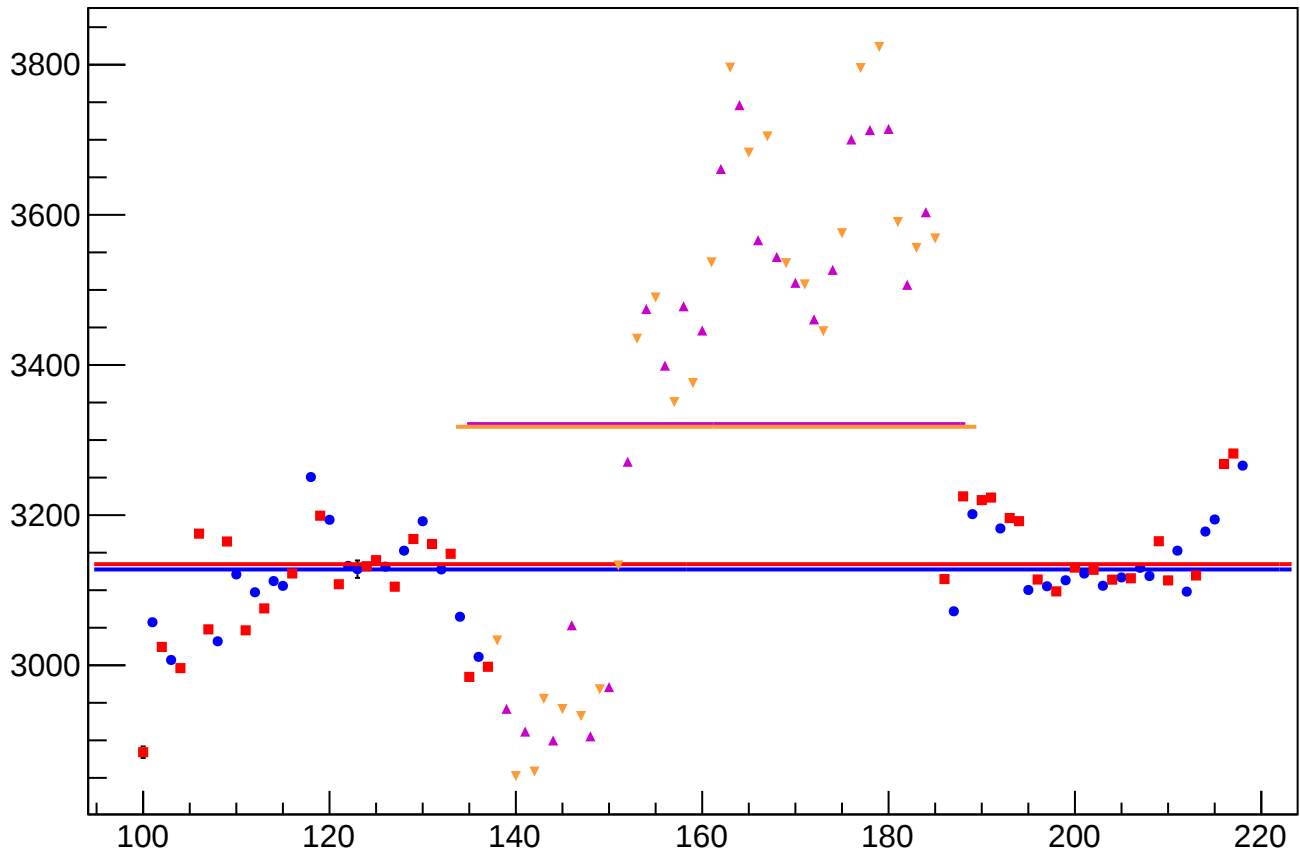
Left In: -4.774 ± 0.800 $\chi^2/\text{NDF}: 128.5/22$

+ sign -25.280 ± 0.532 $\chi^2/\text{NDF}: 1377.1/57$

All: -14.093 ± 0.378 $\chi^2/\text{NDF}: 6567.1/116$

- sign -2.735 ± 0.537 $\chi^2/\text{NDF}: 4300.4/58$

diff_bpm0l01X_rms vs Slug



Right In: 3127.648 $\pm$ 0.517 χ^2 /NDF: 13911.5/32

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

Right Out: 3134.648 $\pm$ 0.511 χ^2 /NDF: 19905.1/35

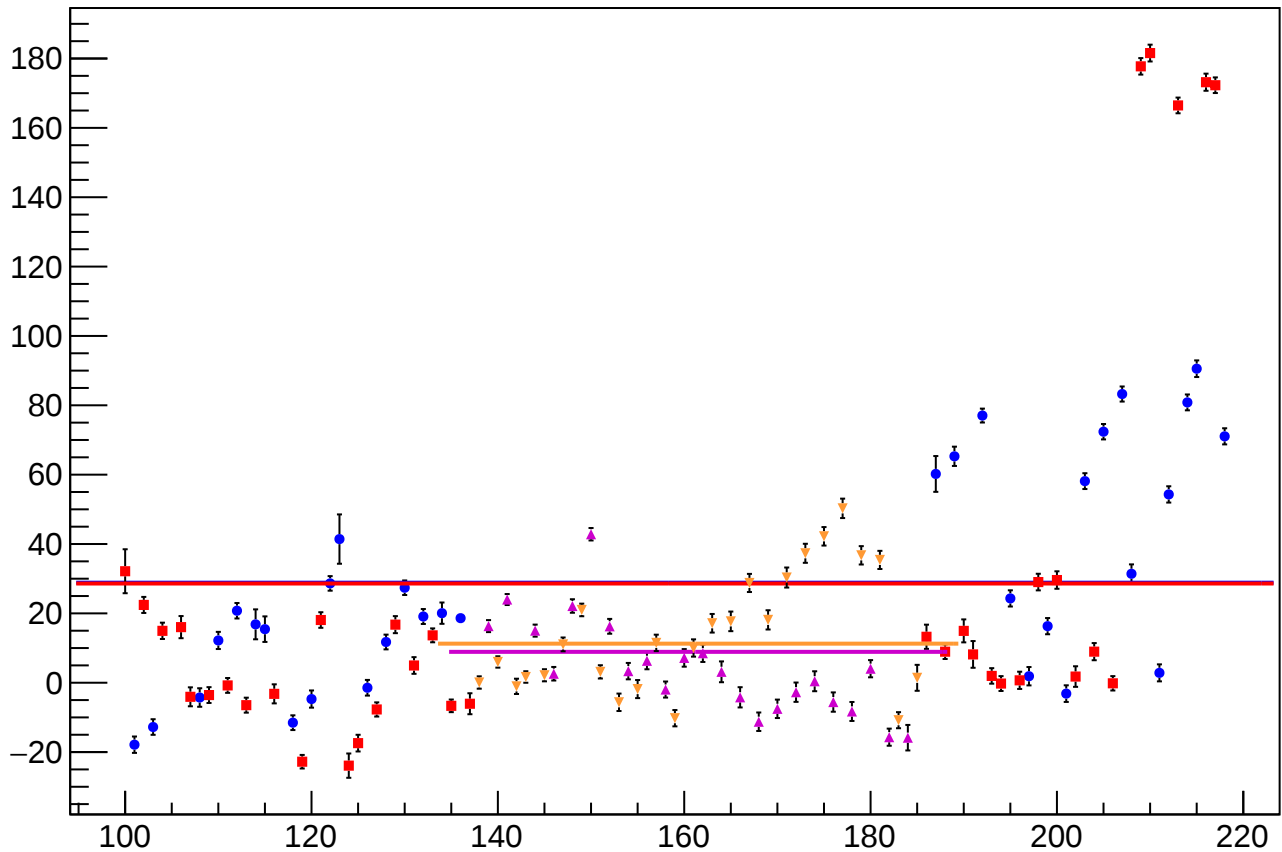
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF: 284334.2/22

+ sign 3217.053 $\pm$ 0.377 χ^2 /NDF: 414261.9/57

All: 3217.766 $\pm$ 0.267 χ^2 /NDF: 778383.0/116

- sign 3218.490 $\pm$ 0.379 χ^2 /NDF: 364113.8/58

diff_bpm0l01Y_mean vs Slug



Right In: 28.847 ± 0.411 χ^2/NDF : 5862.2/32

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

Right Out: 28.610 ± 0.404 χ^2/NDF : 23330.1/35

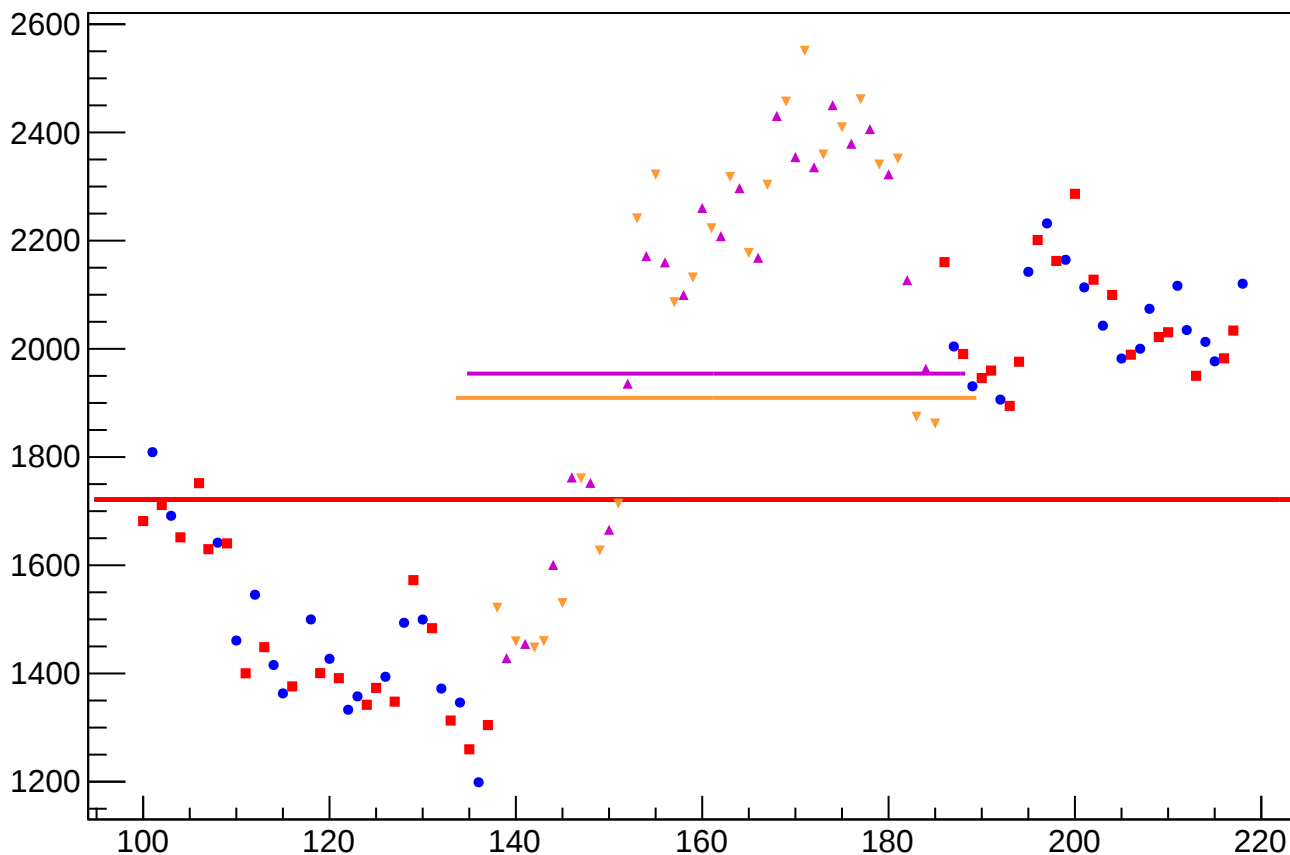
Left In: 8.905 ± 0.478 χ^2/NDF : 936.3/22

+ sign 20.937 ± 0.305 χ^2/NDF : 7827.4/57

All: 20.665 ± 0.217 χ^2/NDF : 33087.4/116

- sign 20.385 ± 0.309 χ^2/NDF : 25258.4/58

diff_bpm0l01Y_rms vs Slug



Right In: 1722.074+/-0.291 χ^2/NDF : 1312481.1/32

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

Right Out: 1720.649+/-0.286 χ^2/NDF : 1248121.8/35

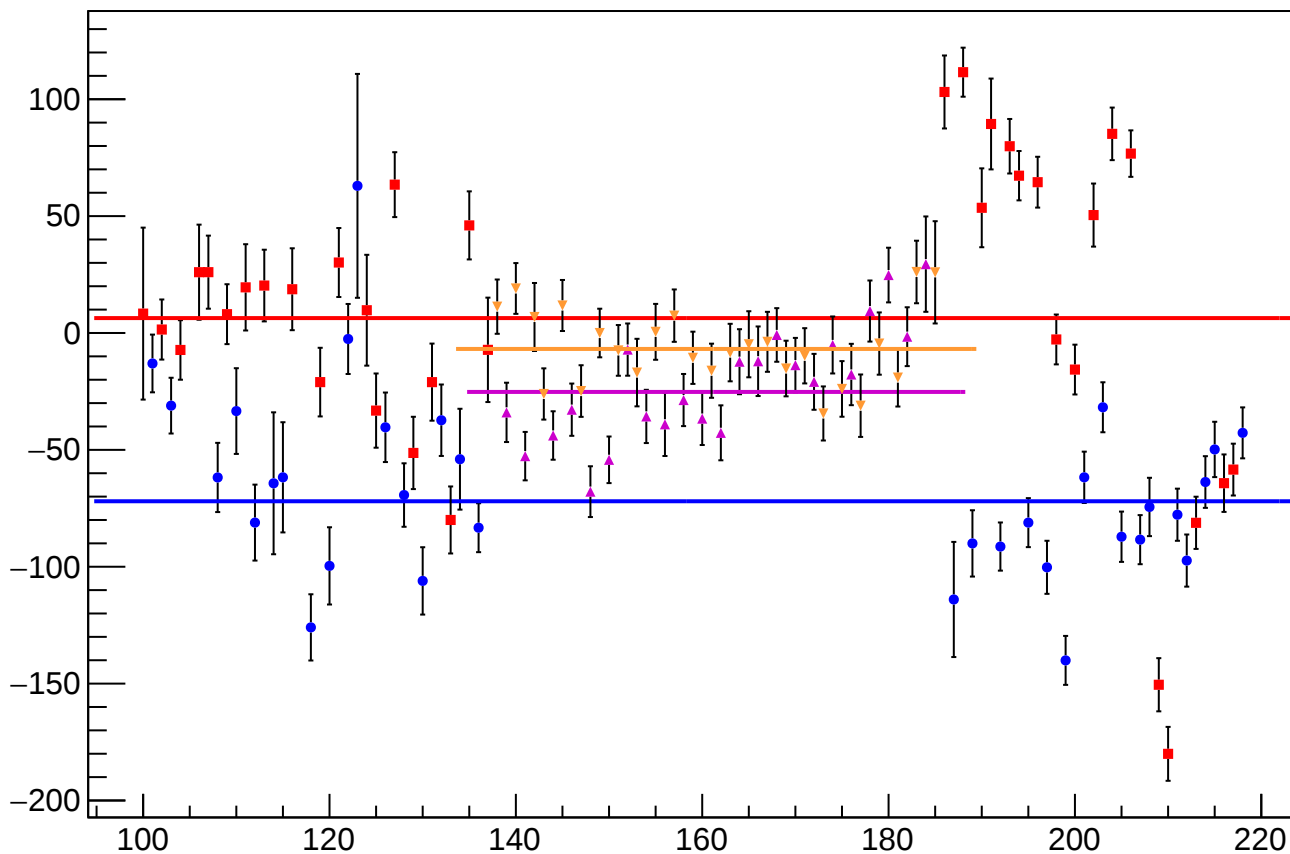
Left In: 1954.236+/-0.338 χ^2/NDF :1044826.7/22

+ sign 1806.355+/-0.216 χ^2/NDF : 2897945.6/57

All: 1812.177+/-0.153 χ^2/NDF : 5471197.0/11

- sign 1818.143+/-0.218 χ^2/NDF : 2571773.8/58

diff_bpm0l02X_mean vs Slug



Right In: -71.988 ± 2.266 χ^2/NDF : 197.4/32

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

Right Out: 6.372 ± 2.242 χ^2/NDF : 1057.4/35

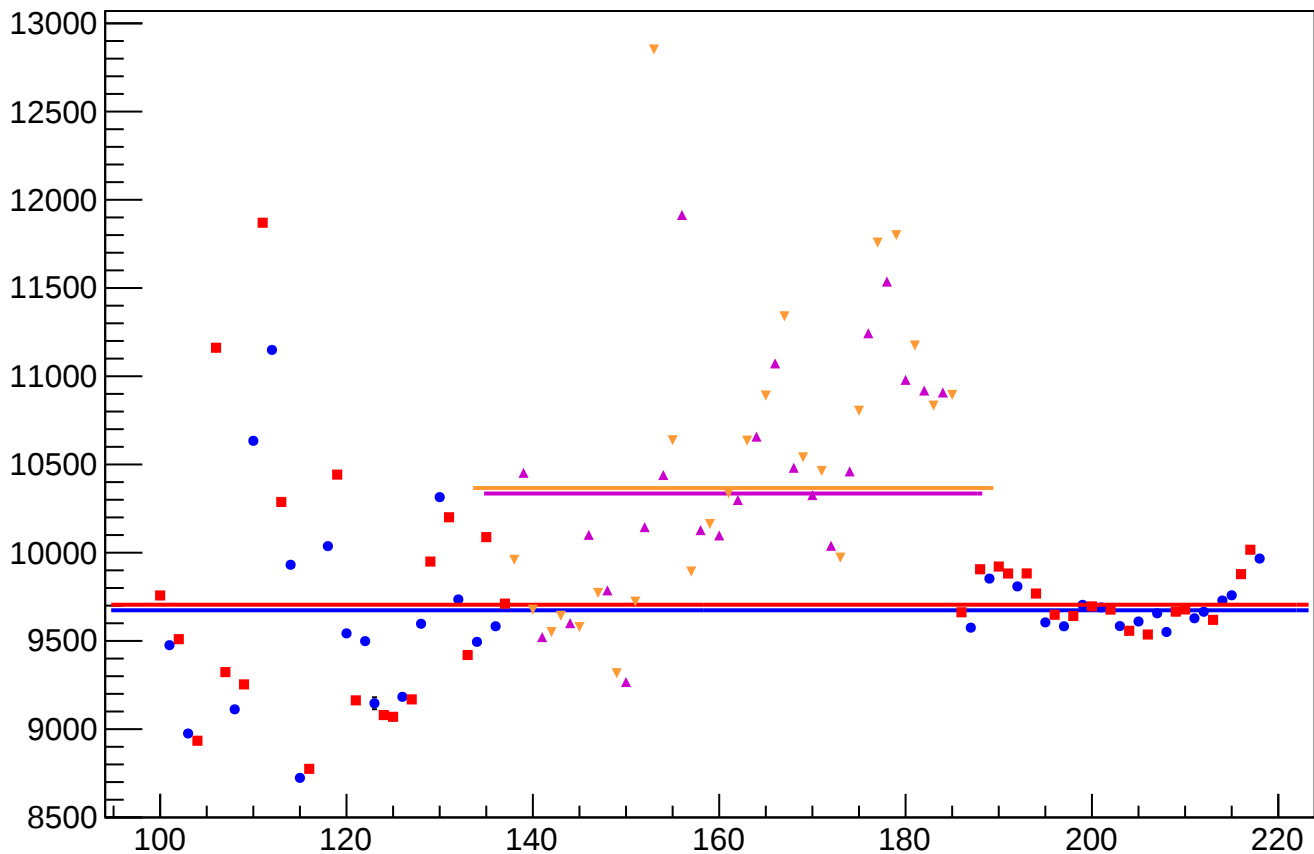
Left In: -25.215 ± 2.487 χ^2/NDF : 89.3/22

+ sign -41.574 ± 1.655 χ^2/NDF : 625.6/57

All: -24.786 ± 1.174 χ^2/NDF : 2068.3/116

- sign -7.793 ± 1.665 χ^2/NDF : 1235.7/58

diff_bpm0l02X_rms vs Slug



Right In: 9673.608 $\pm$ 1.603 χ^2 /NDF: 47073.3/32

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

Right Out: 9705.109 $\pm$ 1.585 χ^2 /NDF: 82549.1/35

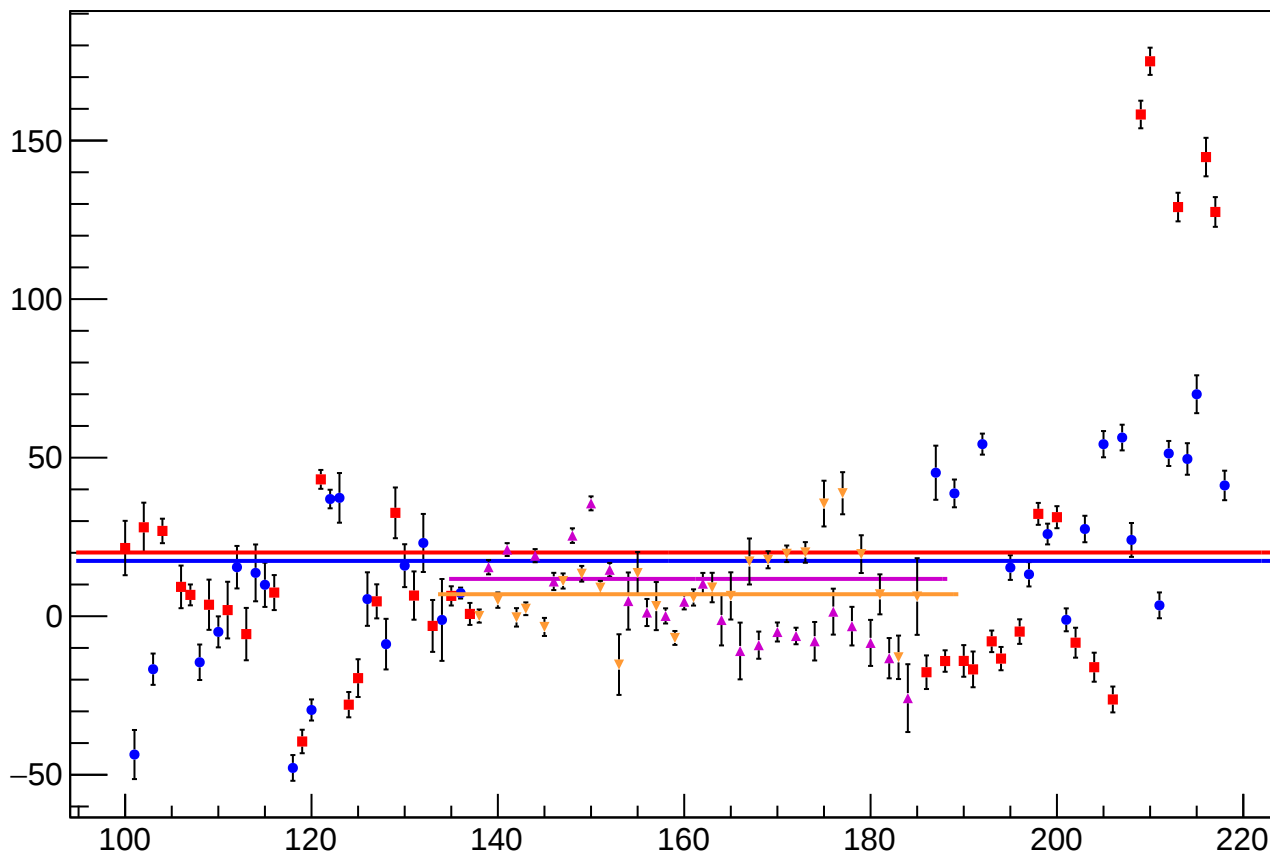
Left In: 10335.399 $\pm$ 1.758 χ^2 /NDF: 127173.0/22

+ sign 9997.028 $\pm$ 1.170 χ^2 /NDF: 345732.7/57

All: 9992.424 $\pm$ 0.830 χ^2 /NDF: 626359.3/116

- sign 9987.764 $\pm$ 1.177 χ^2 /NDF: 280595.5/58

diff_bpm0l02Y_mean vs Slug



Right In: 17.444 ± 0.747 χ^2/NDF : 1325.6/32

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

Right Out: 20.097 ± 0.744 χ^2/NDF : 5152.4/35

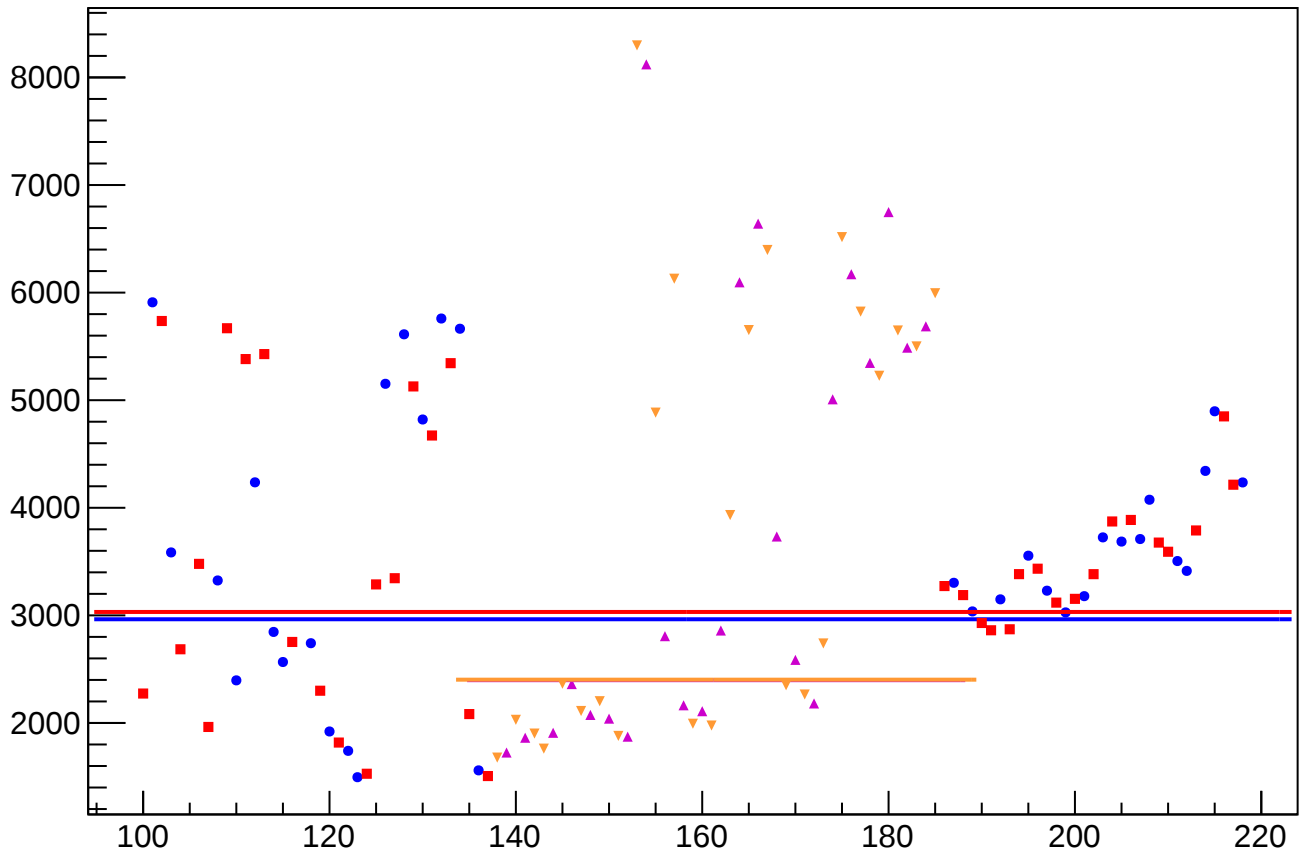
Left In: 11.766 ± 0.648 χ^2/NDF : 395.1/22

+ sign 11.373 ± 0.486 χ^2/NDF : 1643.7/57

All: 13.356 ± 0.344 χ^2/NDF : 7296.0/116

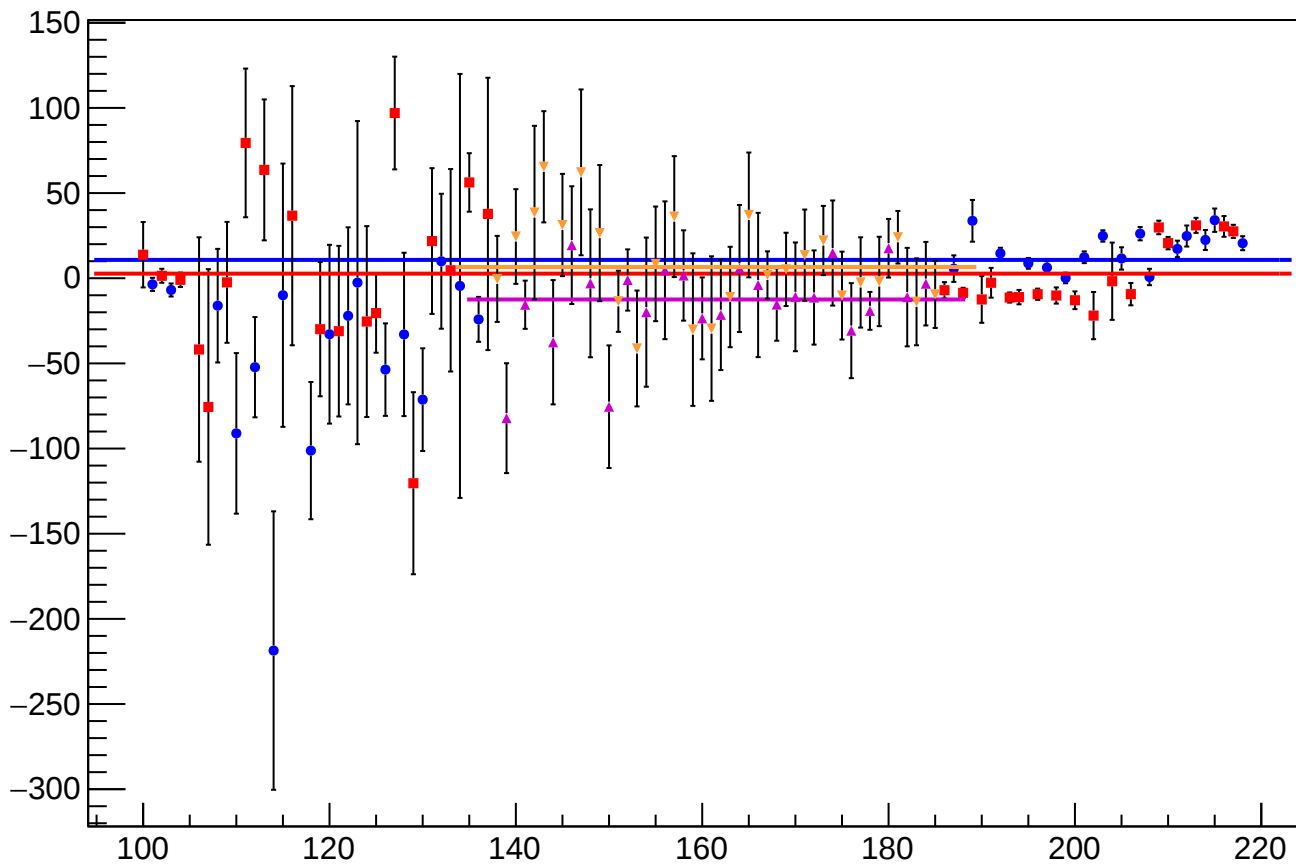
- sign 15.364 ± 0.489 χ^2/NDF : 5618.8/58

diff_bpm0l02Y_rms vs Slug



Right In: 2963.871+/-0.529	χ^2/NDF : 4098972.8/32	+ sign 2639.362+/-0.343	χ^2/NDF : 11097304.9/57
Left Out: 2402.359+/-0.452	χ^2/NDF : 6345982.8/24	All: 2655.367+/-0.244	χ^2/NDF : 20698554.0/1
Right Out: 3031.768+/-0.526	χ^2/NDF : 3371735.0/35	- sign 2671.576+/-0.346	χ^2/NDF : 9596875.7/58
Left In: 2397.701+/-0.458	χ^2/NDF : 5398920.1/22		

diff_bpm0l03X_mean vs Slug



Right In: 10.765 $\pm$ 0.990 χ^2 /NDF: 167.4/32

Left Out: 6.560 $\pm$ 5.077 χ^2 /NDF:16.8/24

Right Out: 2.697 $\pm$ 1.022 χ^2 /NDF: 296.2/35

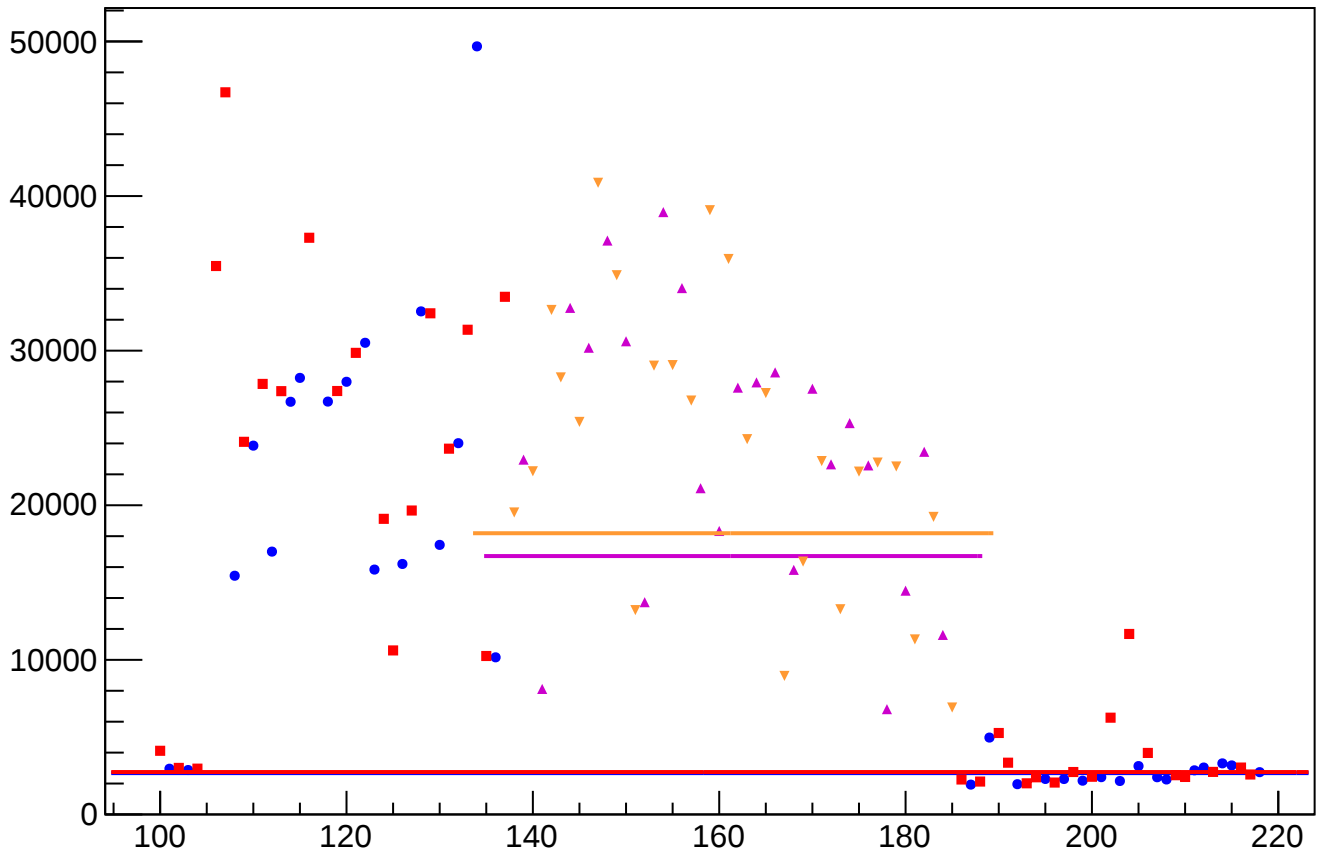
Left In: -12.469 $\pm$ 5.025 χ^2 /NDF:15.4/22

+ sign 10.611 $\pm$ 0.971 χ^2 /NDF: 184.8/57

All: 6.482 $\pm$ 0.697 χ^2 /NDF: 542.4/116

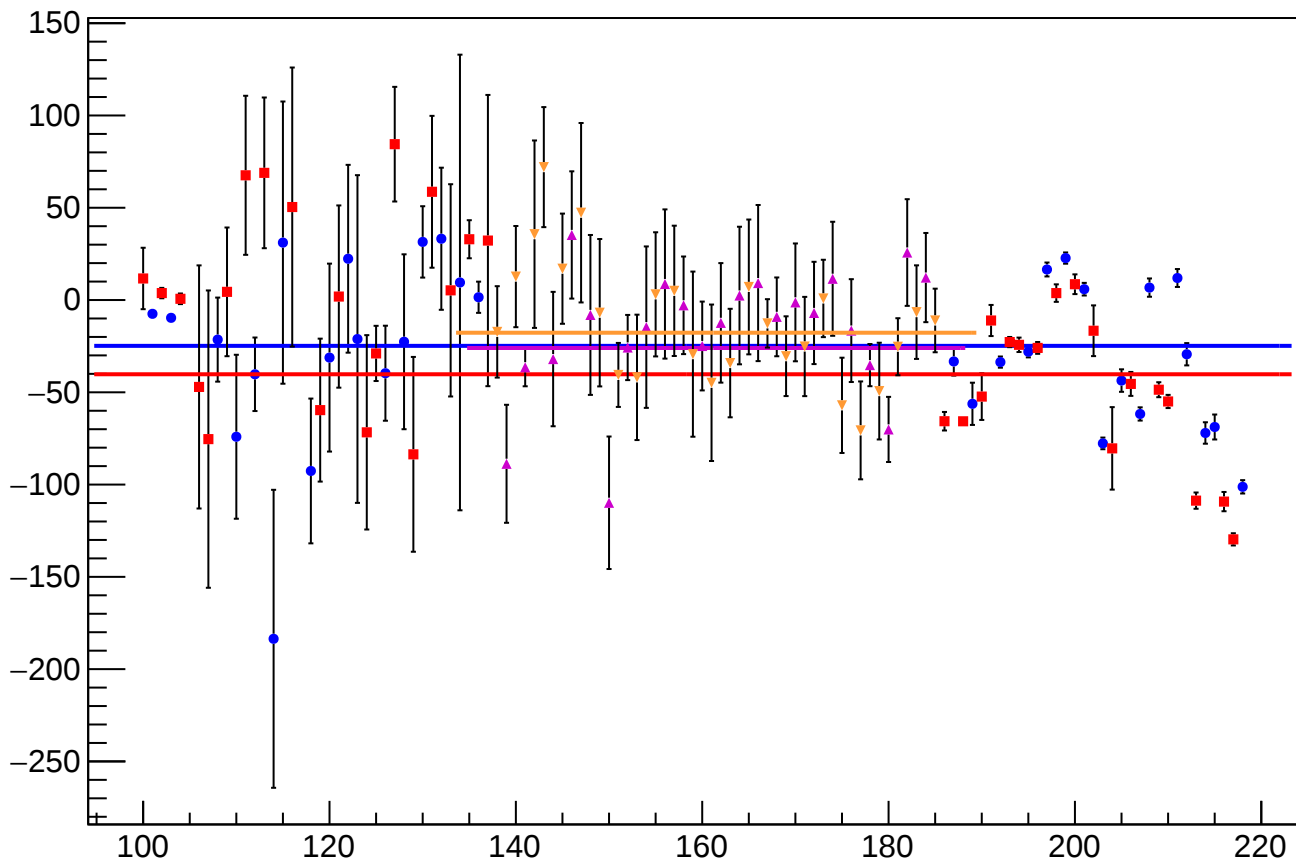
- sign 2.095 $\pm$ 1.001 χ^2 /NDF: 320.3/58

diff_bpm0l03X_rms vs Slug



Right In: 2674.764+/-0.700	χ^2/NDF : 7047216.0/32	+ sign 3242.520+/-0.687	χ^2/NDF : 30301006.8/57
Left Out: 18190.387+/-3.590	χ^2/NDF : 5261328.5/24	All: 3269.537+/-0.493	χ^2/NDF : 60428542.7/1
Right Out: 2743.719+/-0.722	χ^2/NDF : 9087630.3/35	- sign 3298.244+/-0.708	χ^2/NDF : 30124344.3/58
Left In: 16713.653+/-3.553	χ^2/NDF : 6194178.8/22		

diff_bpm0l03Y_mean vs Slug



Right In: -24.831 ± 0.890 χ^2/NDF : 1618.3/32

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

Right Out: -40.225 ± 0.916 χ^2/NDF : 2097.3/35

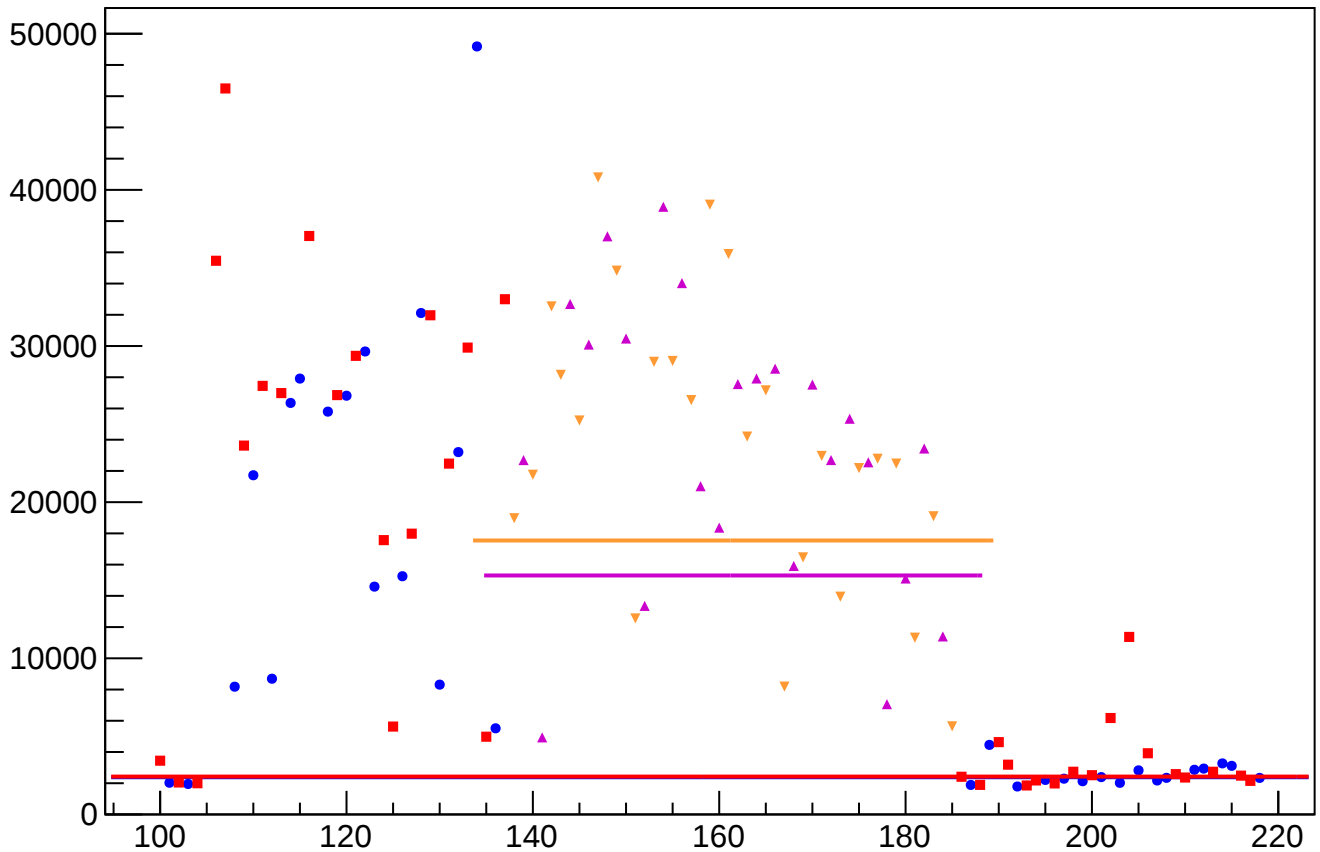
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -24.610 ± 0.876 χ^2/NDF : 1647.5/57

All: -31.965 ± 0.628 χ^2/NDF : 3930.6/116

- sign -39.723 ± 0.900 χ^2/NDF : 2138.4/58

diff_bpm0l03Y_rms vs Slug



Right In: 2384.361+/-0.629 χ^2/NDF : 5928903.6/32

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

Right Out: 2424.770+/-0.648 χ^2/NDF : 8774528.8/35

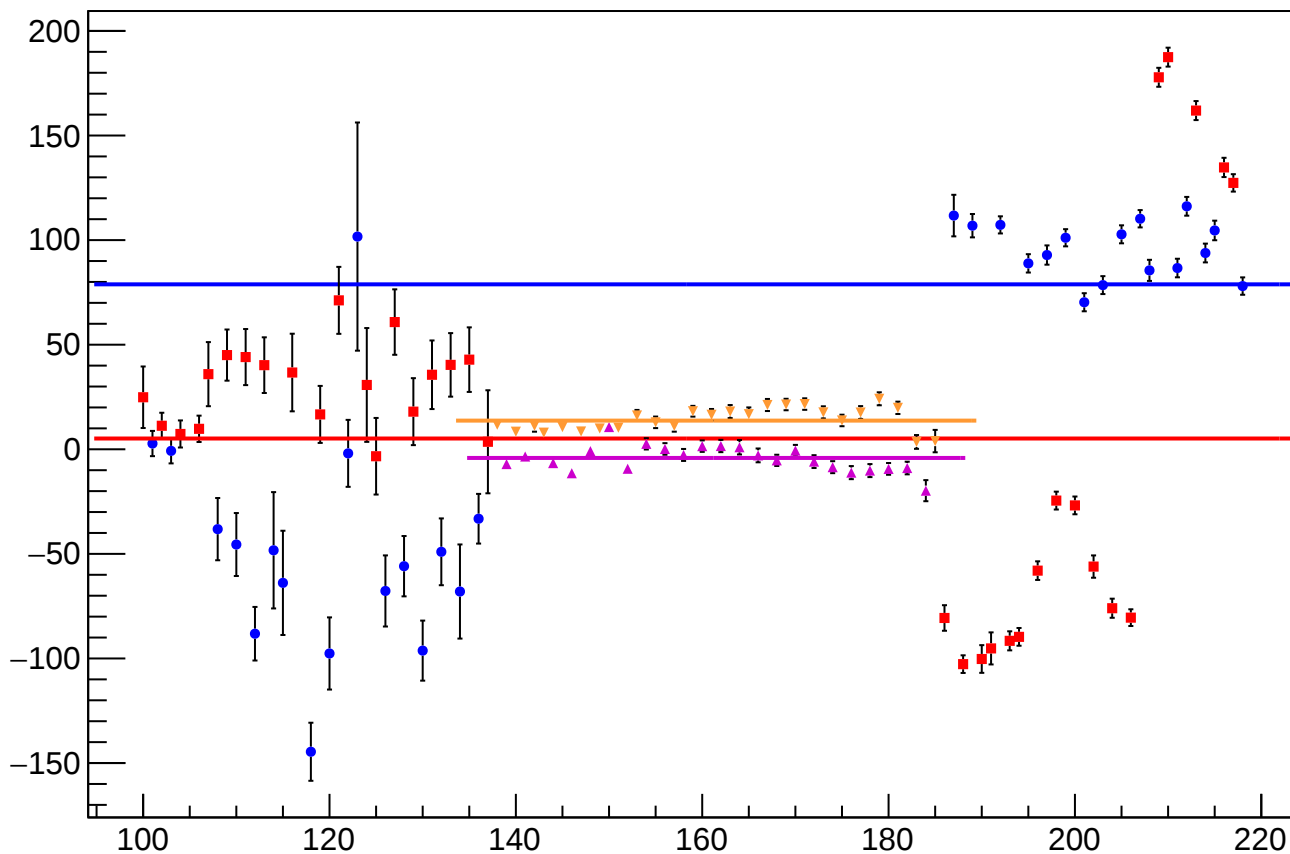
Left In: 15305.311+/-3.386 χ^2/NDF : 7721177.0/22

+ sign 2854.855+/-0.620 χ^2/NDF : 29836414.1/57

All: 2866.906+/-0.444 χ^2/NDF : 60290688.7/100

- sign 2879.616+/-0.636 χ^2/NDF : 30453497.3/58

diff_bpm0l04X_mean vs Slug



Right In: 78.854+/-1.062 χ^2/NDF : 1921.9/32

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

Right Out: 5.151+/-1.040 χ^2/NDF : 9436.9/35

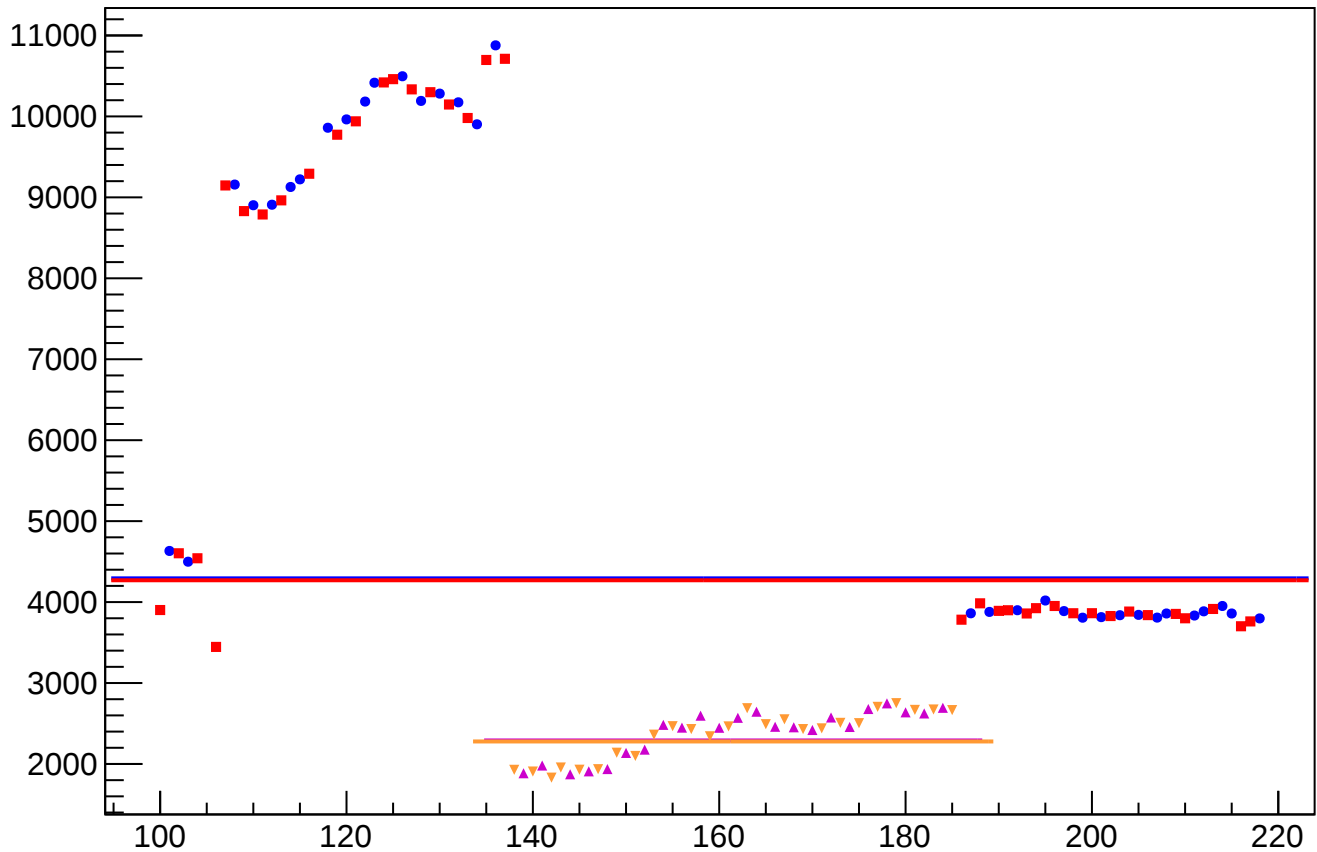
Left In: -4.141+/-0.555 χ^2/NDF : 111.7/22

+ sign 26.898+/-0.478 χ^2/NDF : 5010.6/57

All: 12.753+/-0.342 χ^2/NDF : 16415.3/116

- sign -2.084+/-0.490 χ^2/NDF : 9610.6/58

diff_bpm0l04X_rms vs Slug



Right In: 4293.119 $\pm$ 0.751 χ^2 /NDF: 3892994.4/32

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

Right Out: 4269.524 $\pm$ 0.736 χ^2 /NDF: 3935444.2/35

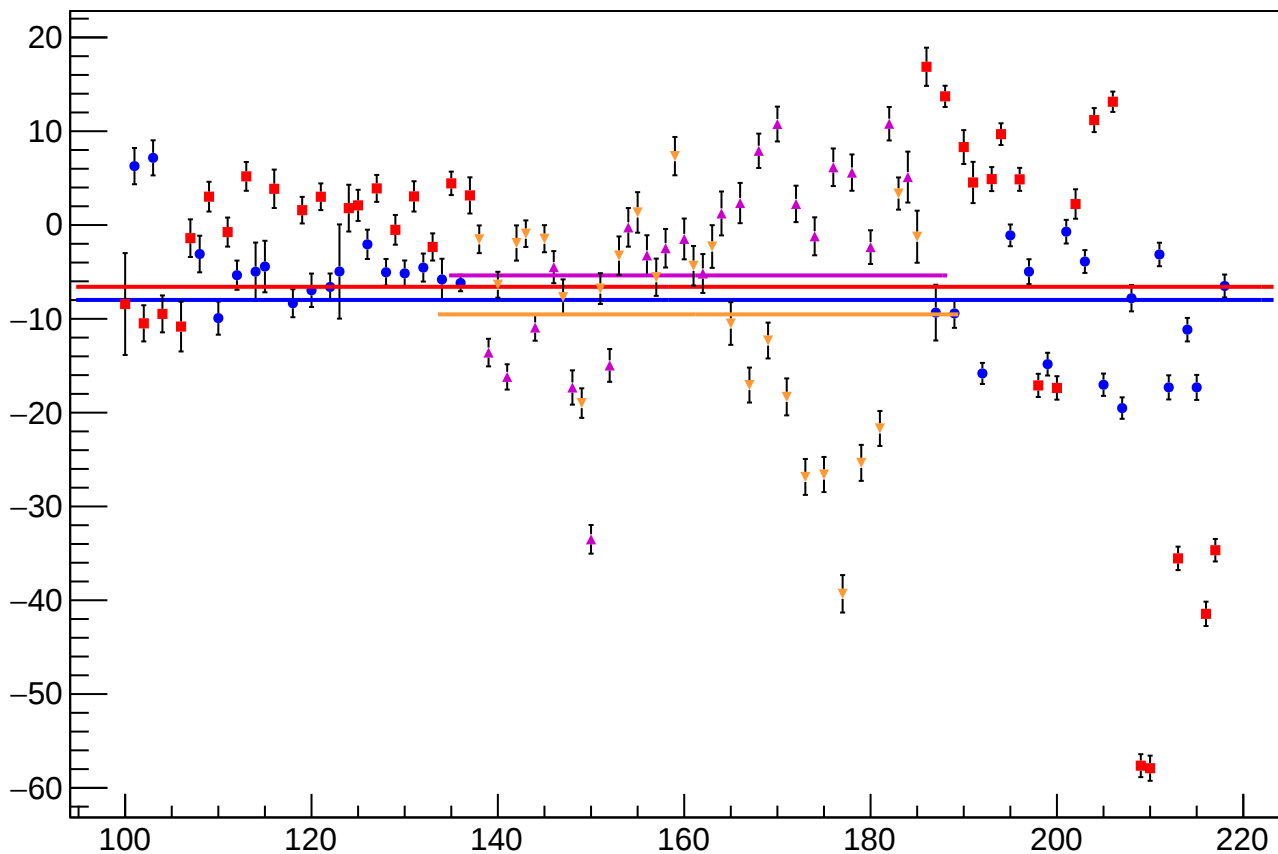
Left In: 2290.461 $\pm$ 0.392 χ^2 /NDF: 590272.1/22

+ sign 2686.037 $\pm$ 0.338 χ^2 /NDF: 10238215.5/57

All: 2706.804 $\pm$ 0.242 χ^2 /NDF: 20405601.3/100

- sign 2728.585 $\pm$ 0.346 χ^2 /NDF: 10159651.9/58

diff_bpm0l04Y_mean vs Slug



Right In: -7.984 ± 0.249 χ^2/NDF : 618.8/32

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

Right Out: -6.585 ± 0.246 χ^2/NDF : 7111.2/35

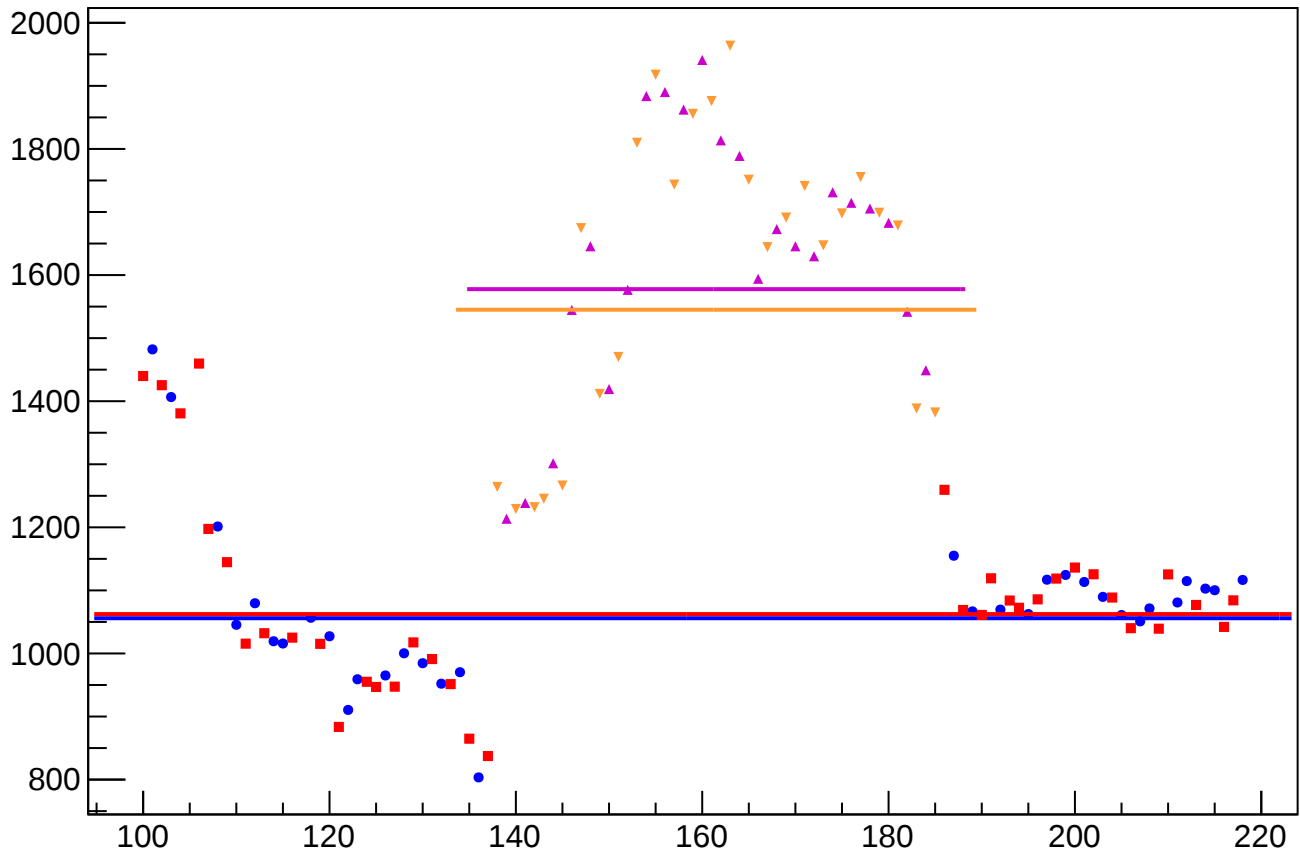
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -8.473 ± 0.205 χ^2/NDF : 1515.0/57

All: -7.361 ± 0.146 χ^2/NDF : 9562.3/116

- sign -6.230 ± 0.207 χ^2/NDF : 7988.1/58

diff_bpm0l04Y_rms vs Slug



Right In: 1055.848 $\pm$ 0.176 χ^2 /NDF: 429408.7/32

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

Right Out: 1062.447 $\pm$ 0.174 χ^2 /NDF: 394300.1/35

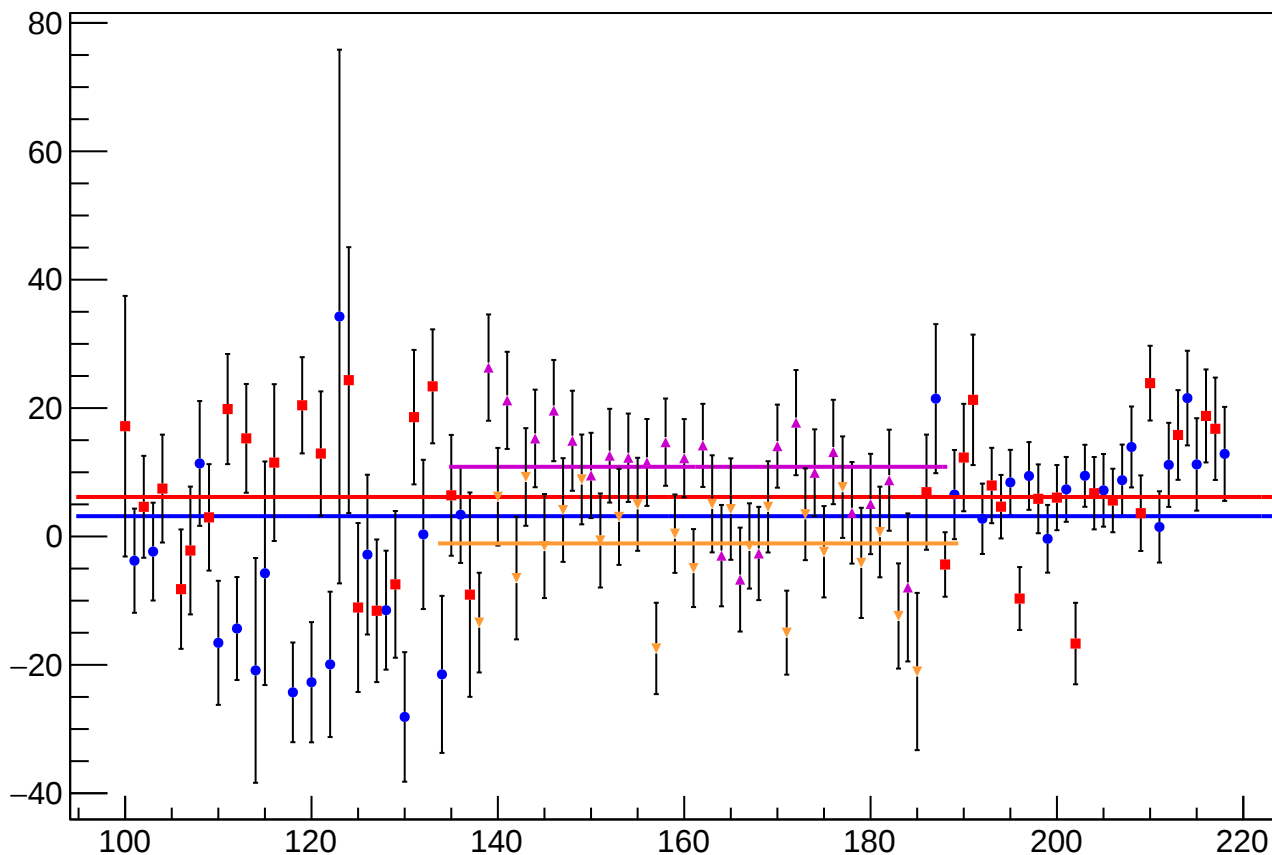
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1210.958 $\pm$ 0.145 χ^2 /NDF: 3728759.2/57

All: 1212.131 $\pm$ 0.103 χ^2 /NDF: 7309501.3/11

- sign 1213.325 $\pm$ 0.147 χ^2 /NDF: 3580610.4/58

diff_bpm0l05X_mean vs Slug



Right In: 3.160 ± 1.263 $\chi^2/\text{NDF}: 77.7/32$

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

Right Out: 6.153 ± 1.227 $\chi^2/\text{NDF}: 71.0/35$

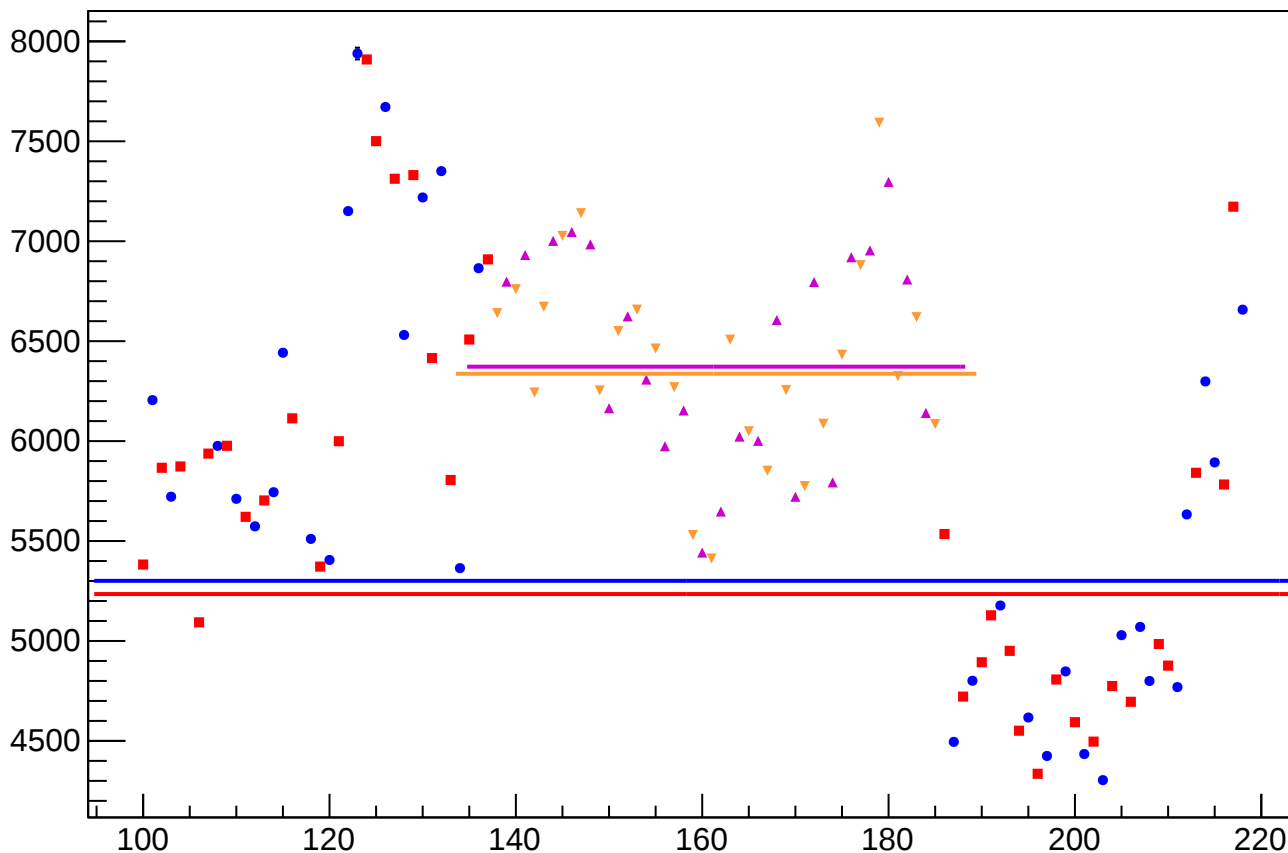
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

+ sign 1.382 ± 0.963 $\chi^2/\text{NDF}: 109.9/57$

All: 4.688 ± 0.680 $\chi^2/\text{NDF}: 234.5/116$

- sign 7.975 ± 0.960 $\chi^2/\text{NDF}: 101.1/58$

diff_bpm0l05X_rms vs Slug



Right In: 5300.842 $\pm$ 0.893 χ^2 /NDF: 882803.0/32

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

Right Out: 5234.737 $\pm$ 0.868 χ^2 /NDF: 808049.4/35

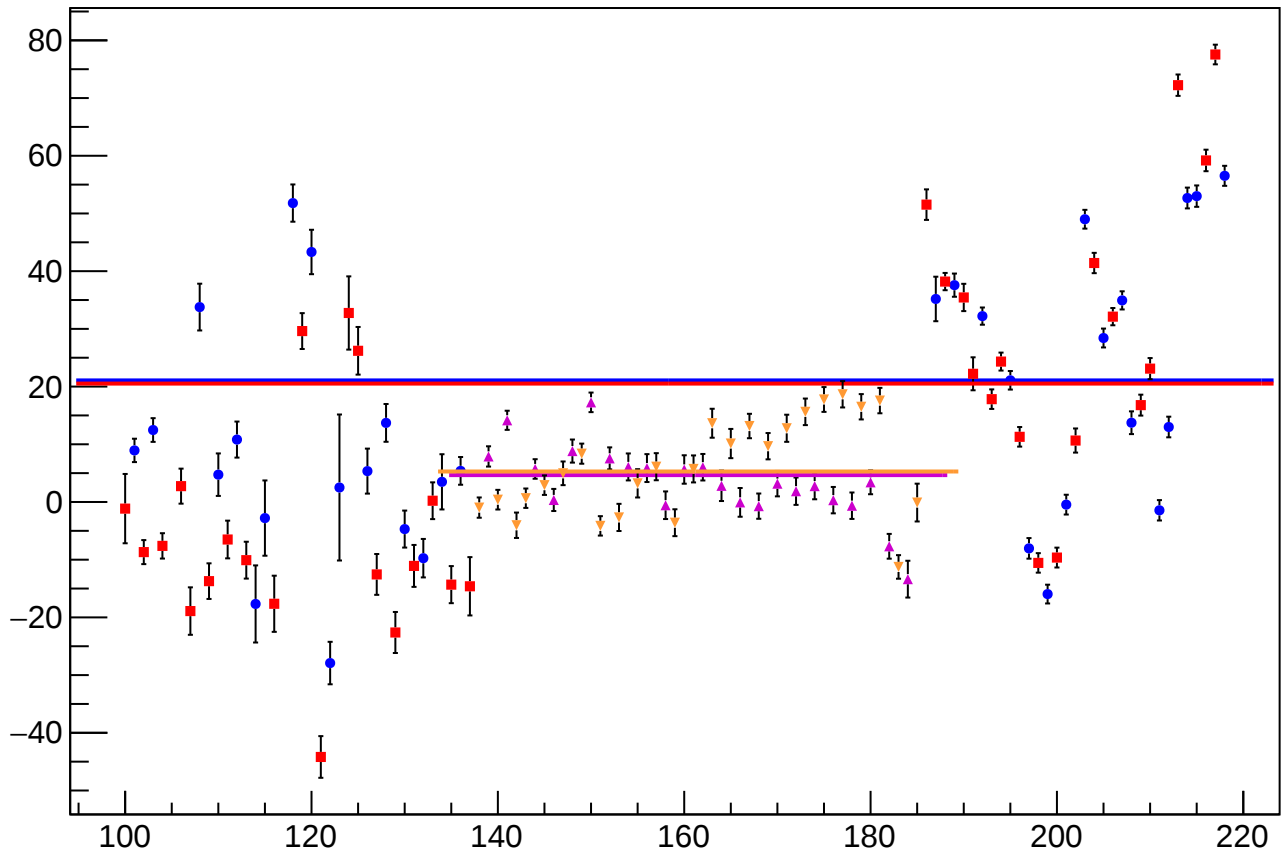
Left In: 6372.349 $\pm$ 1.090 χ^2 /NDF: 247257.0/22

+ sign 5734.919 $\pm$ 0.681 χ^2 /NDF: 1669688.0/57

All: 5705.352 $\pm$ 0.481 χ^2 /NDF: 3395450.3/11

- sign 5675.940 $\pm$ 0.679 χ^2 /NDF: 1721998.4/58

diff_bpm0l05Y_mean vs Slug



Right In: 21.067 $\pm$ 0.385 χ^2 /NDF: 3361.6/32

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

Right Out: 20.519 $\pm$ 0.380 χ^2 /NDF: 5256.4/35

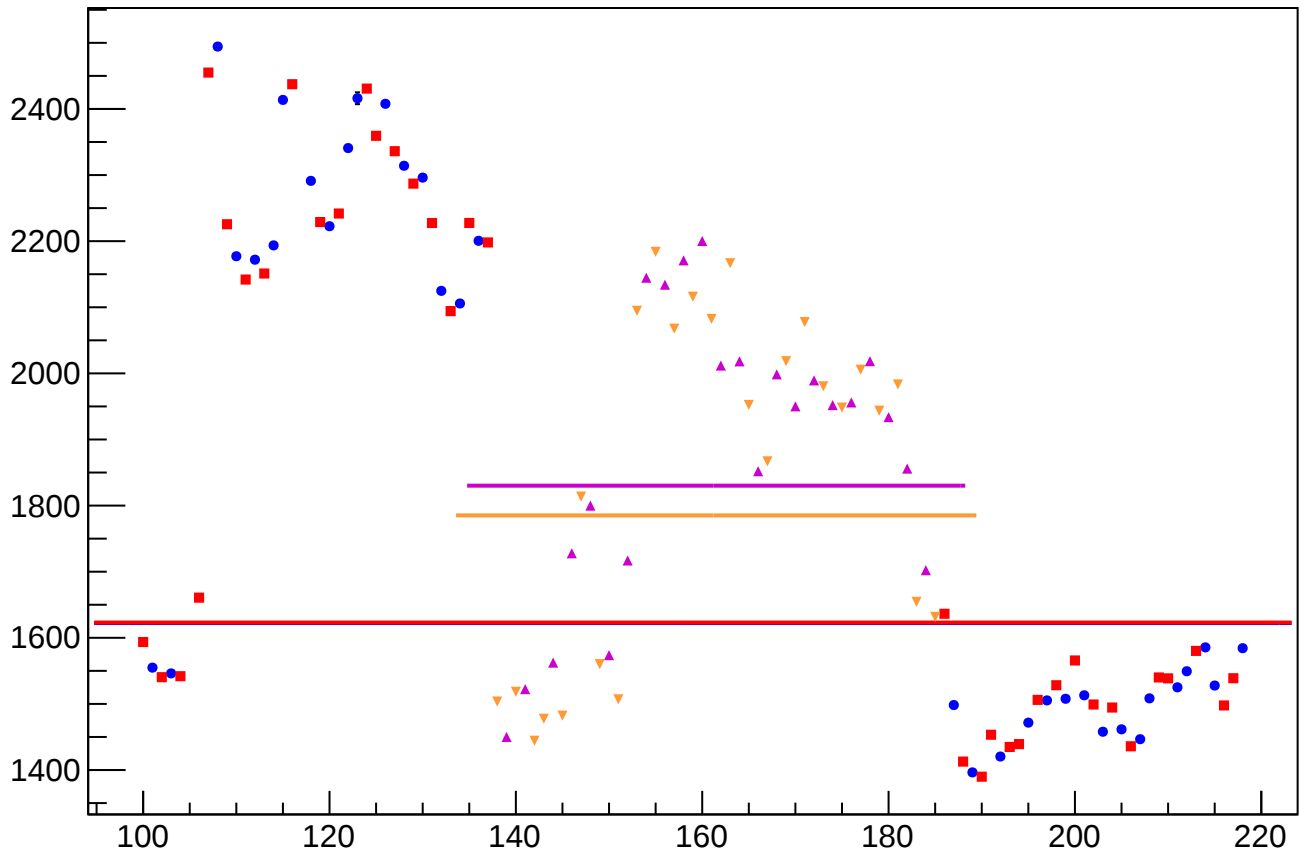
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF: 196.5/22

+ sign 13.865 $\pm$ 0.284 χ^2 /NDF: 4492.8/57

All: 13.831 $\pm$ 0.203 χ^2 /NDF: 10683.3/116

- sign 13.796 $\pm$ 0.289 χ^2 /NDF: 6190.4/58

diff_bpm0l05Y_rms vs Slug



Right In: 1622.314+/-0.273 χ^2/NDF : 1104121.4/32

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

Right Out: 1623.093+/-0.269 χ^2/NDF : 1111884.8/35

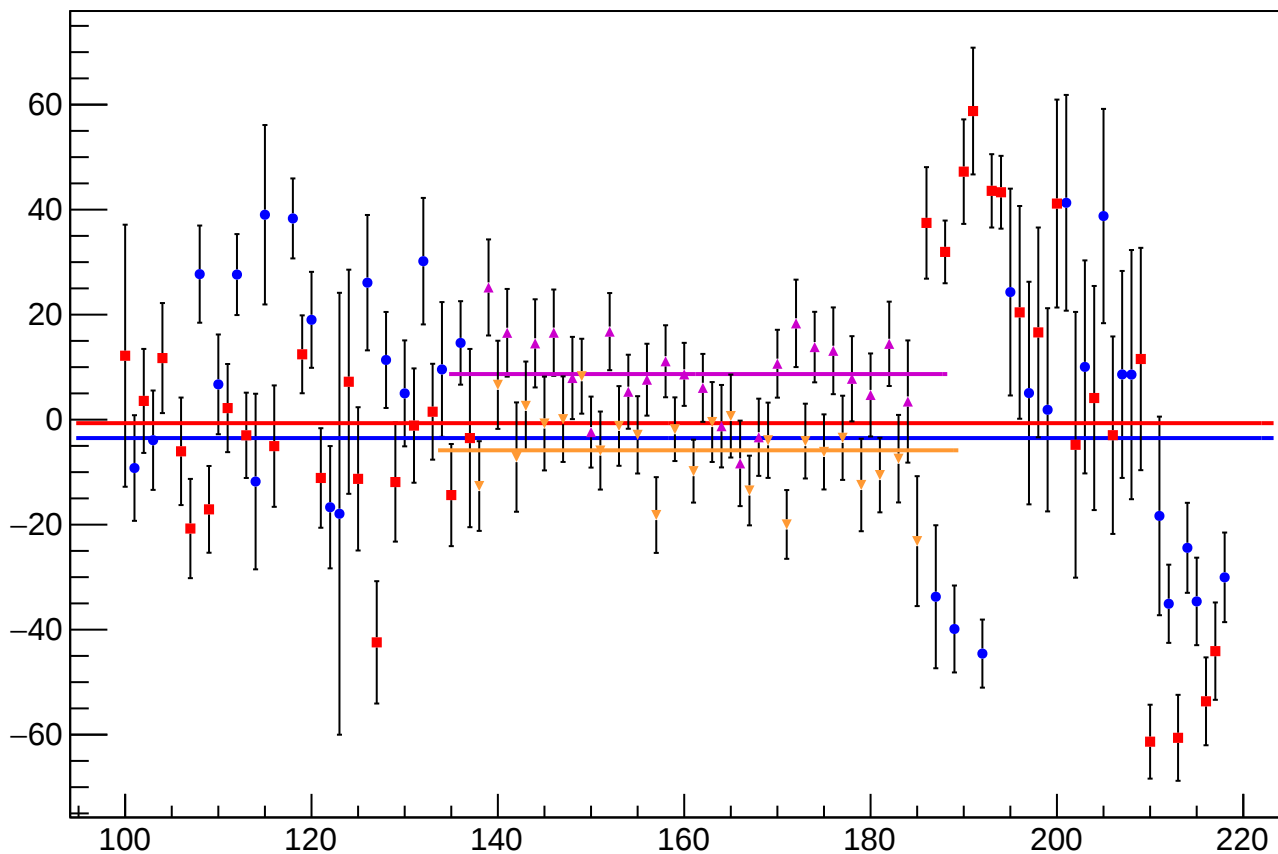
Left In: 1830.160+/-0.313 χ^2/NDF : 508391.9/22

+ sign 1696.640+/-0.201 χ^2/NDF : 2017709.5/57

All: 1703.640+/-0.143 χ^2/NDF : 3891819.6/11

- sign 1710.862+/-0.204 χ^2/NDF : 1871644.7/58

diff_bpm0l06X_mean vs Slug



Right In: -3.509 ± 1.868 $\chi^2/\text{NDF}: 220.8/32$

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

Right Out: -0.668 ± 1.685 $\chi^2/\text{NDF}: 399.0/35$

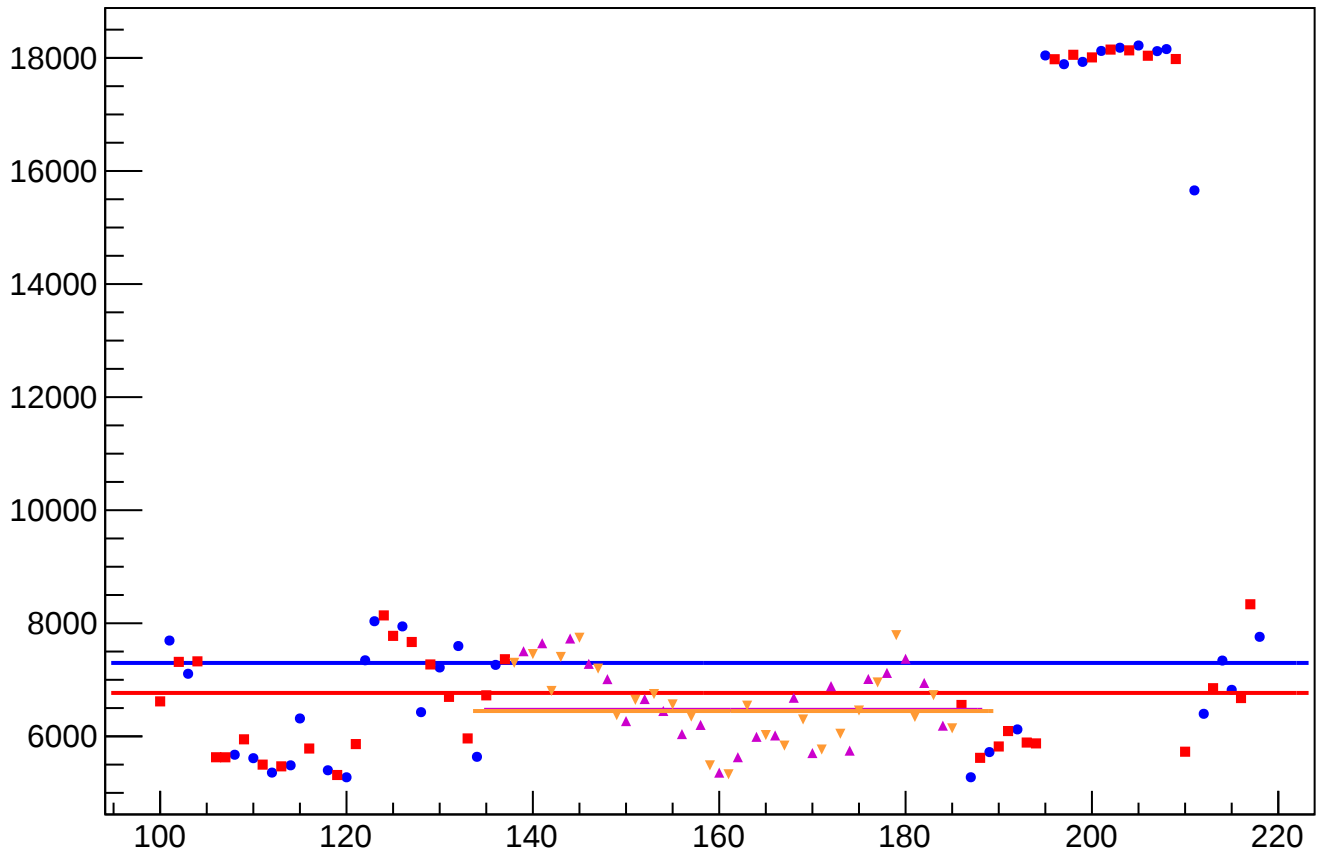
Left In: 8.683 ± 1.571 $\chi^2/\text{NDF}: 21.9/22$

+ sign -4.912 ± 1.178 $\chi^2/\text{NDF}: 245.0/57$

All: -0.172 ± 0.823 $\chi^2/\text{NDF}: 714.0/116$

- sign 4.337 ± 1.149 $\chi^2/\text{NDF}: 437.4/58$

diff_bpm0l06X_rms vs Slug



Right In: 7298.446+/-1.321 χ^2/NDF : 5603270.5/32

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

Right Out: 6767.751+/-1.192 χ^2/NDF : 4755446.6/35

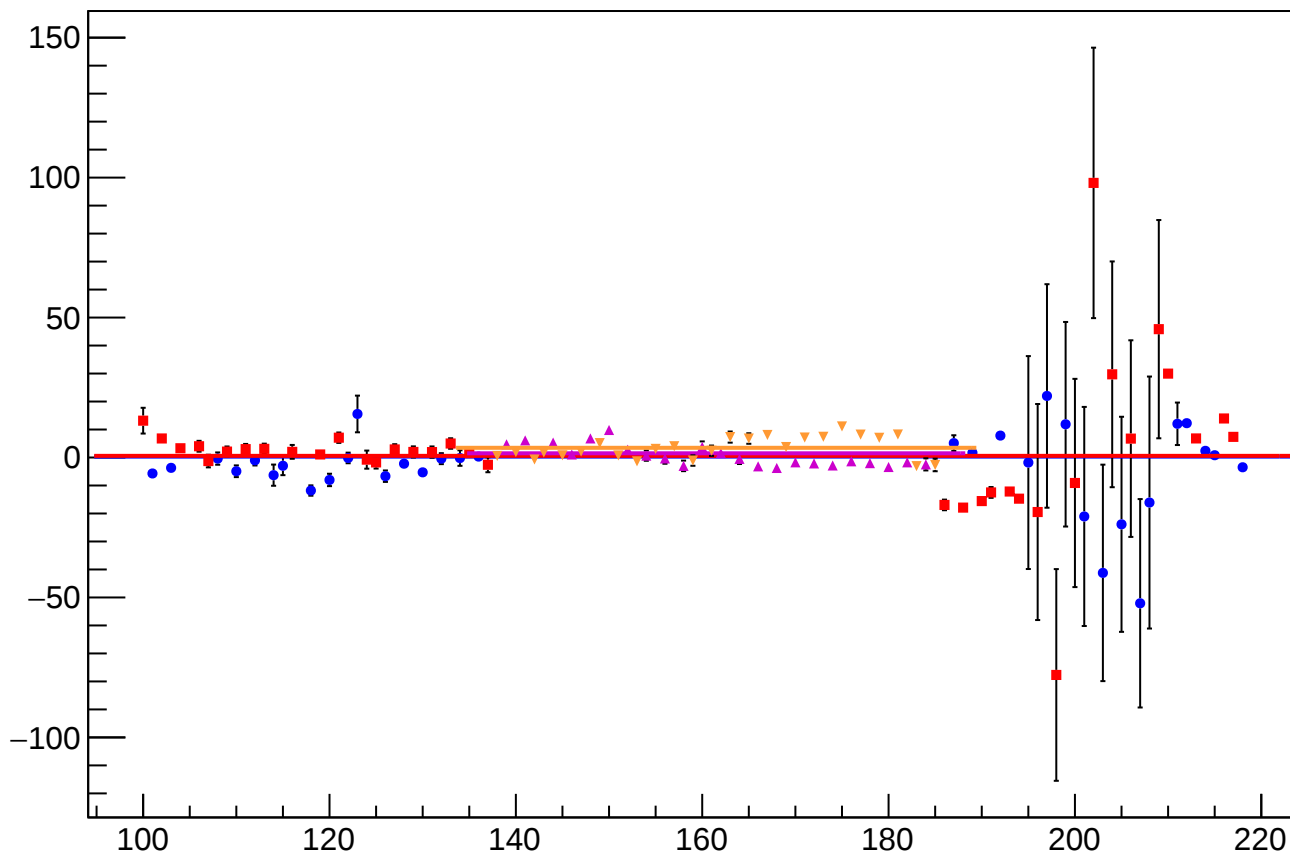
Left In: 6468.902+/-1.111 χ^2/NDF : 383325.4/22

+ sign 6786.244+/-0.833 χ^2/NDF : 6224808.9/57

All: 6694.793+/-0.582 χ^2/NDF : 11420752.8/100

- sign 6607.800+/-0.812 χ^2/NDF : 5172427.8/58

diff_bpm0l06Y_mean vs Slug



Right In: 0.333 ± 0.329 χ^2/NDF : 306.5/32

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

Right Out: 0.593 ± 0.301 χ^2/NDF : 1583.1/35

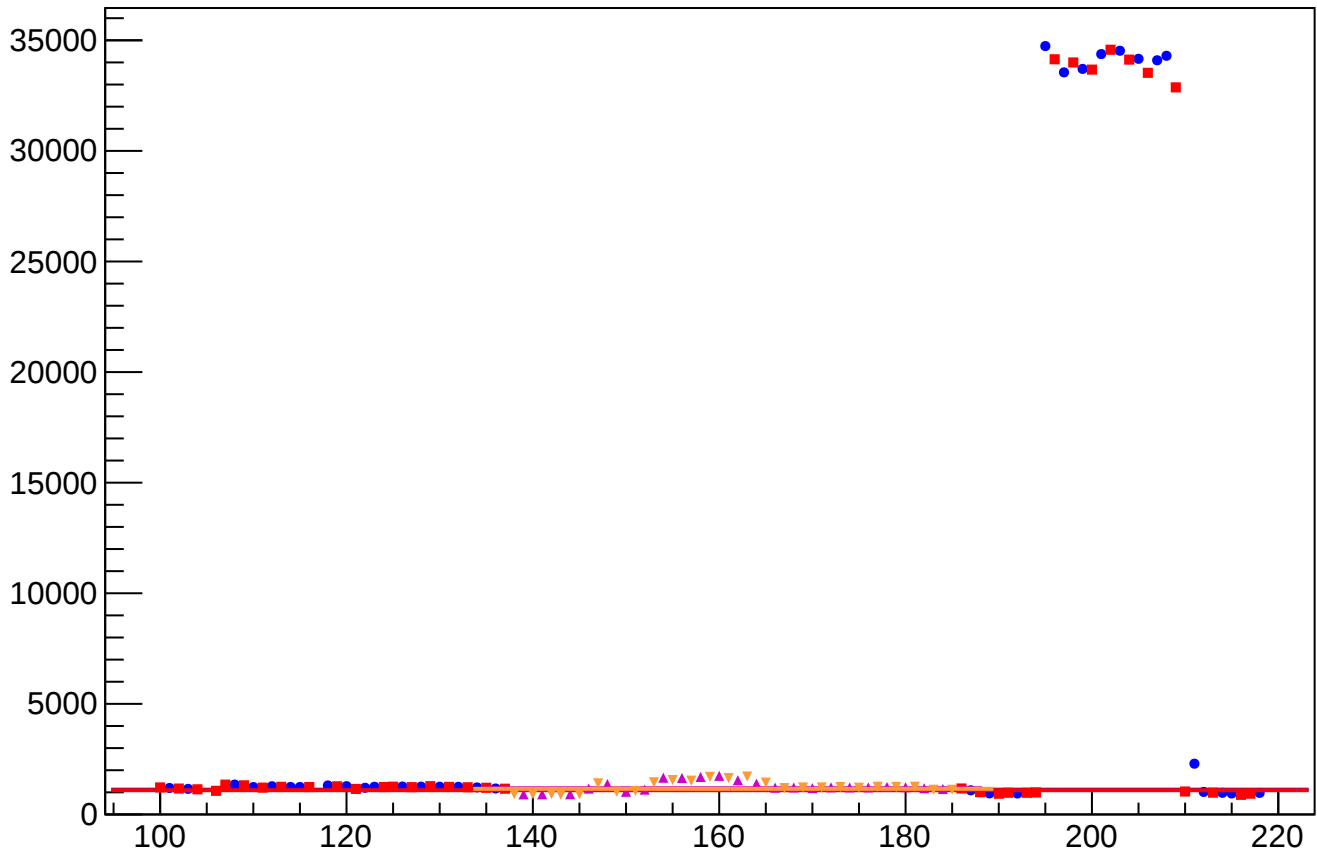
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.171 ± 0.212 χ^2/NDF : 535.9/57

All: 1.611 ± 0.149 χ^2/NDF : 2340.3/116

- sign 1.063 ± 0.209 χ^2/NDF : 1790.6/58

diff_bpm0l06Y_rms vs Slug



Right In: 1118.799 ± 0.232 $\chi^2/\text{NDF}: 11948210.2/32$

Left Out: 1158.894 ± 0.195 $\chi^2/\text{NDF}: 1410423.6/24$

Right Out: 1096.474 ± 0.213 $\chi^2/\text{NDF}: 10253559.4/35$

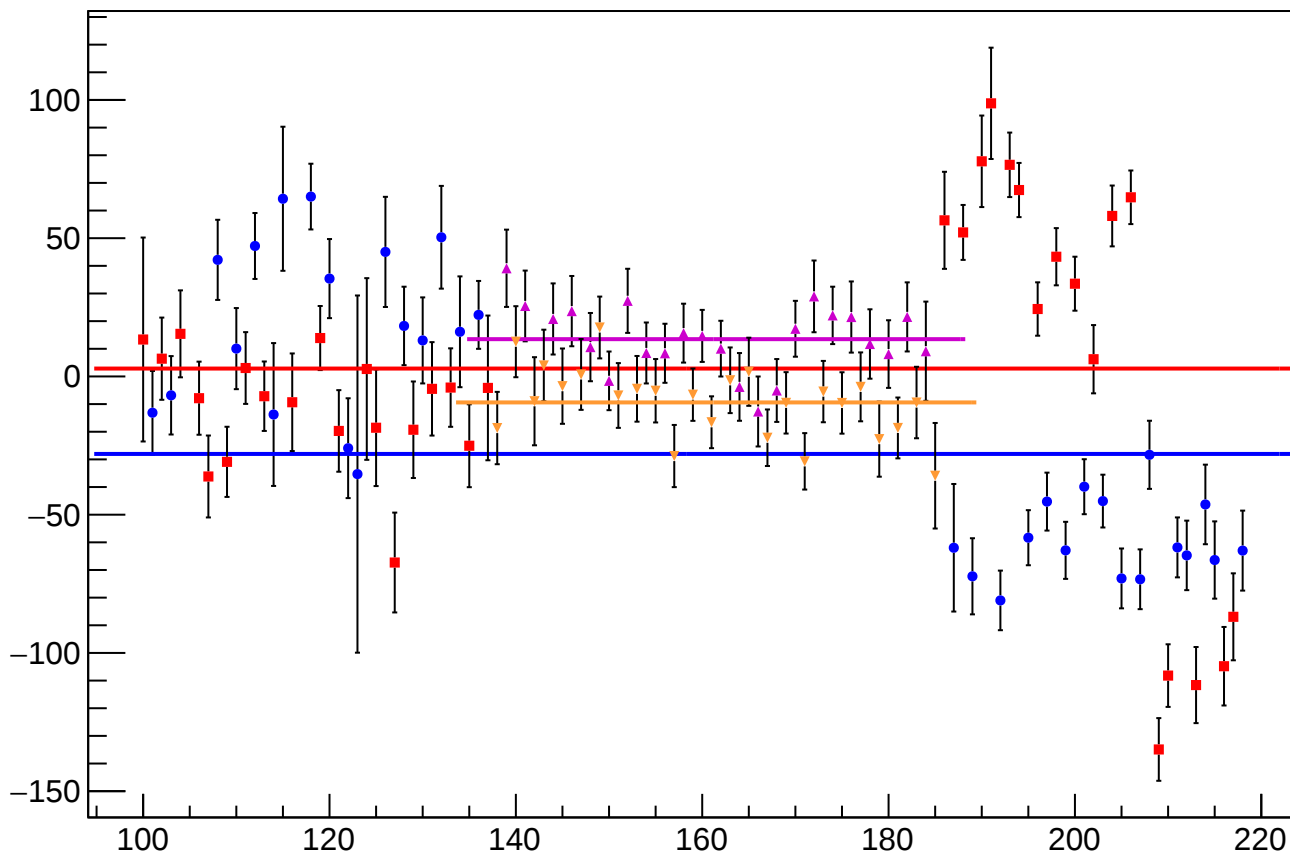
Left In: 1184.966 ± 0.206 $\chi^2/\text{NDF}: 1190431.5/22$

+ sign 1142.286 ± 0.150 $\chi^2/\text{NDF}: 13376069.5/57$

All: 1142.275 ± 0.105 $\chi^2/\text{NDF}: 24909530.5/100$

- sign 1142.263 ± 0.148 $\chi^2/\text{NDF}: 11533461.0/58$

diff_bpm0l07X_mean vs Slug



Right In: -28.029 ± 2.316 χ^2/NDF : 370.3/32

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

Right Out: 2.852 ± 2.234 χ^2/NDF : 701.3/35

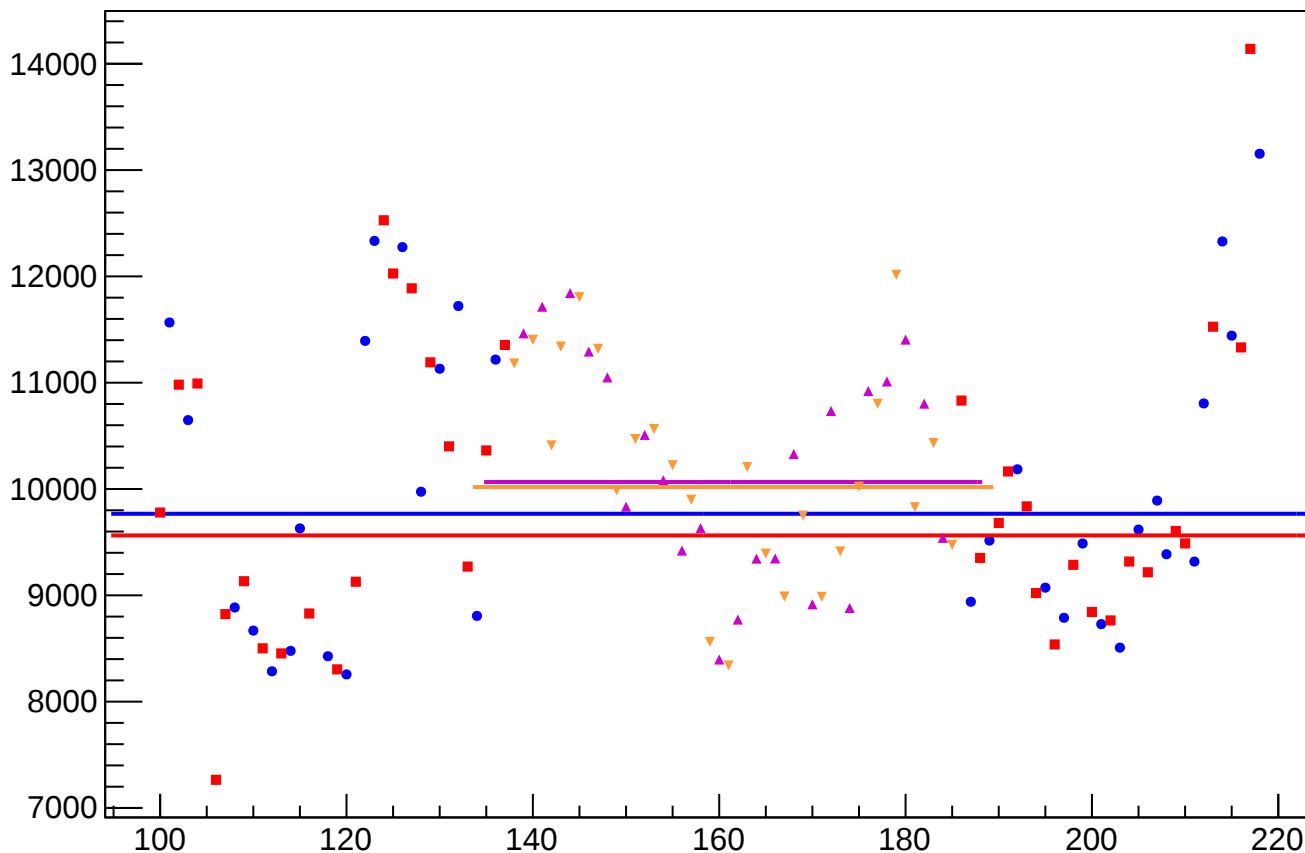
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign -18.880 ± 1.653 χ^2/NDF : 428.3/57

All: -5.560 ± 1.167 χ^2/NDF : 1291.1/116

- sign 7.694 ± 1.648 χ^2/NDF : 733.2/58

diff_bpm0l07X_rms vs Slug



Right In: 9767.233+/-1.638 χ^2/NDF : 572729.0/32

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

Right Out: 9563.493+/-1.580 χ^2/NDF : 583874.5/35

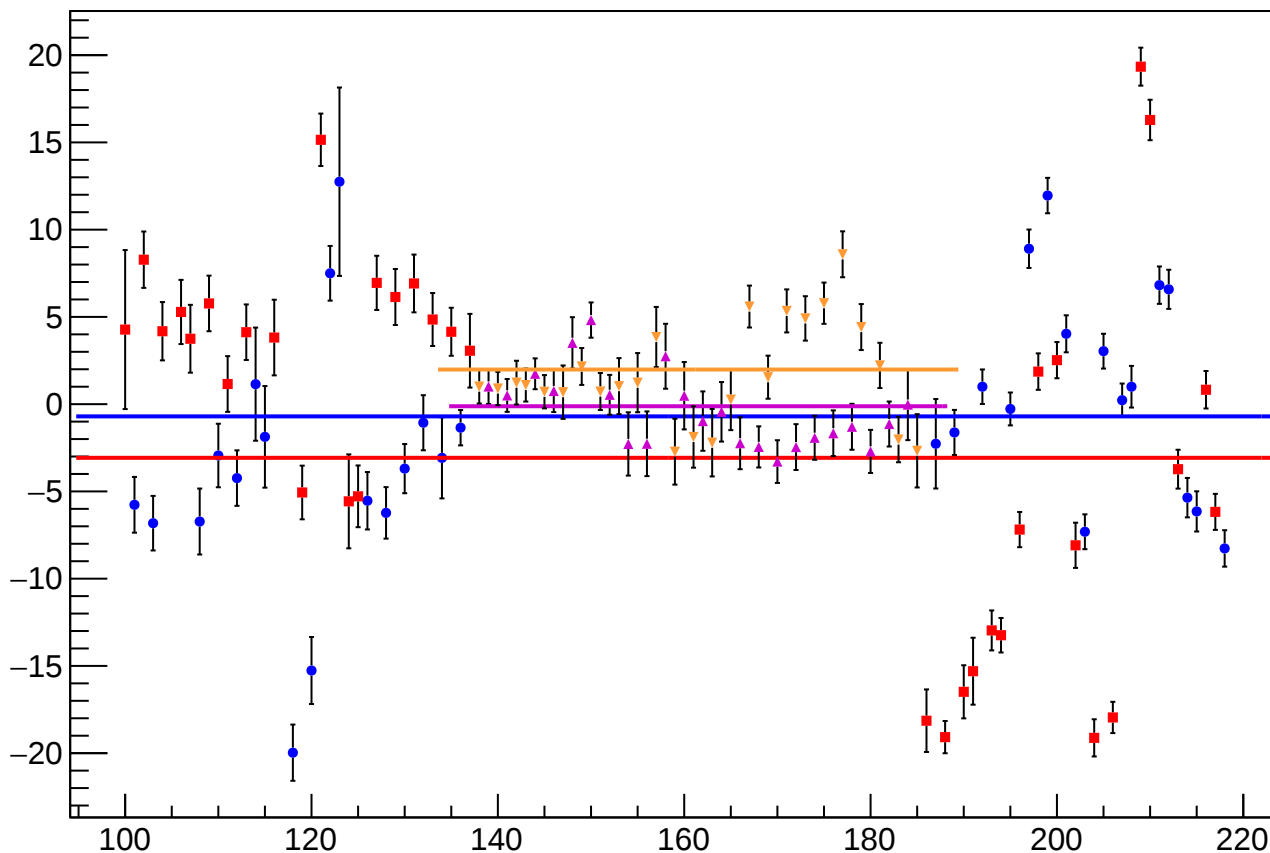
Left In: 10065.909+/-1.727 χ^2/NDF : 357868.9/22

+ sign 9890.640+/-1.169 χ^2/NDF : 928823.6/57

All: 9841.343+/-0.825 χ^2/NDF : 1920190.7/11

- sign 9792.294+/-1.166 χ^2/NDF : 987816.9/58

diff_bpm0l07Y_mean vs Slug



Right In: -0.700 ± 0.226 $\chi^2/\text{NDF}: 805.3/32$

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

Right Out: -3.075 ± 0.223 $\chi^2/\text{NDF}: 2478.5/35$

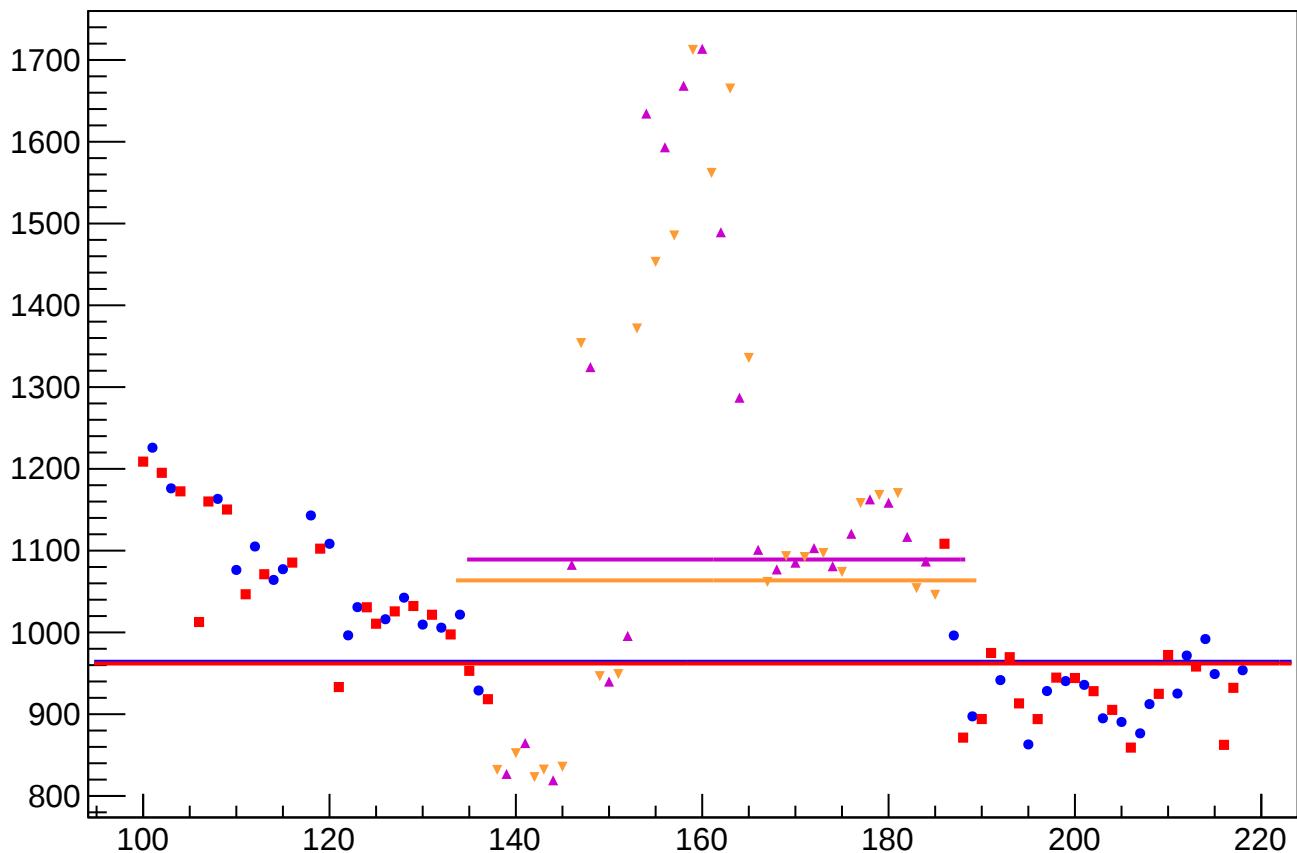
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

+ sign 0.485 ± 0.169 $\chi^2/\text{NDF}: 968.5/57$

All: -0.678 ± 0.120 $\chi^2/\text{NDF}: 3681.9/116$

- sign -1.871 ± 0.172 $\chi^2/\text{NDF}: 2617.8/58$

diff_bpm0l07Y_rms vs Slug



Right In: 964.113+/-0.160 χ^2/NDF : 272758.9/32

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

Right Out: 961.989+/-0.158 χ^2/NDF : 289738.5/35

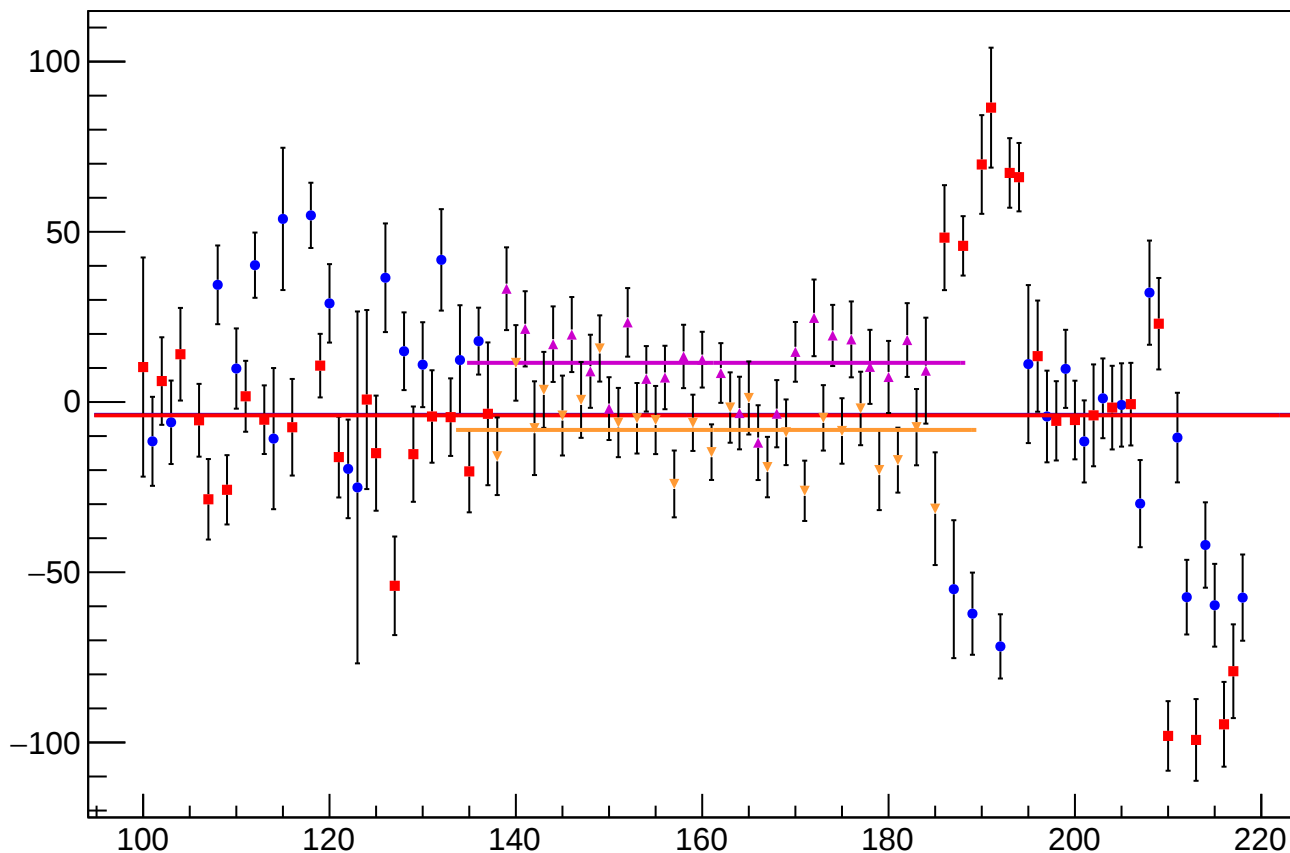
Left In: 1089.154+/-0.190 χ^2/NDF :1430478.5/22

+ sign 1008.016+/-0.120 χ^2/NDF : 2060472.2/57

All: 1010.869+/-0.085 χ^2/NDF : 4047307.9/11

- sign 1013.797+/-0.121 χ^2/NDF : 1985684.6/58

diff_bpm0l08X_mean vs Slug



Right In: -3.765 ± 2.219 $\chi^2/\text{NDF}: 280.2/32$

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

Right Out: -3.910 ± 2.073 $\chi^2/\text{NDF}: 459.9/35$

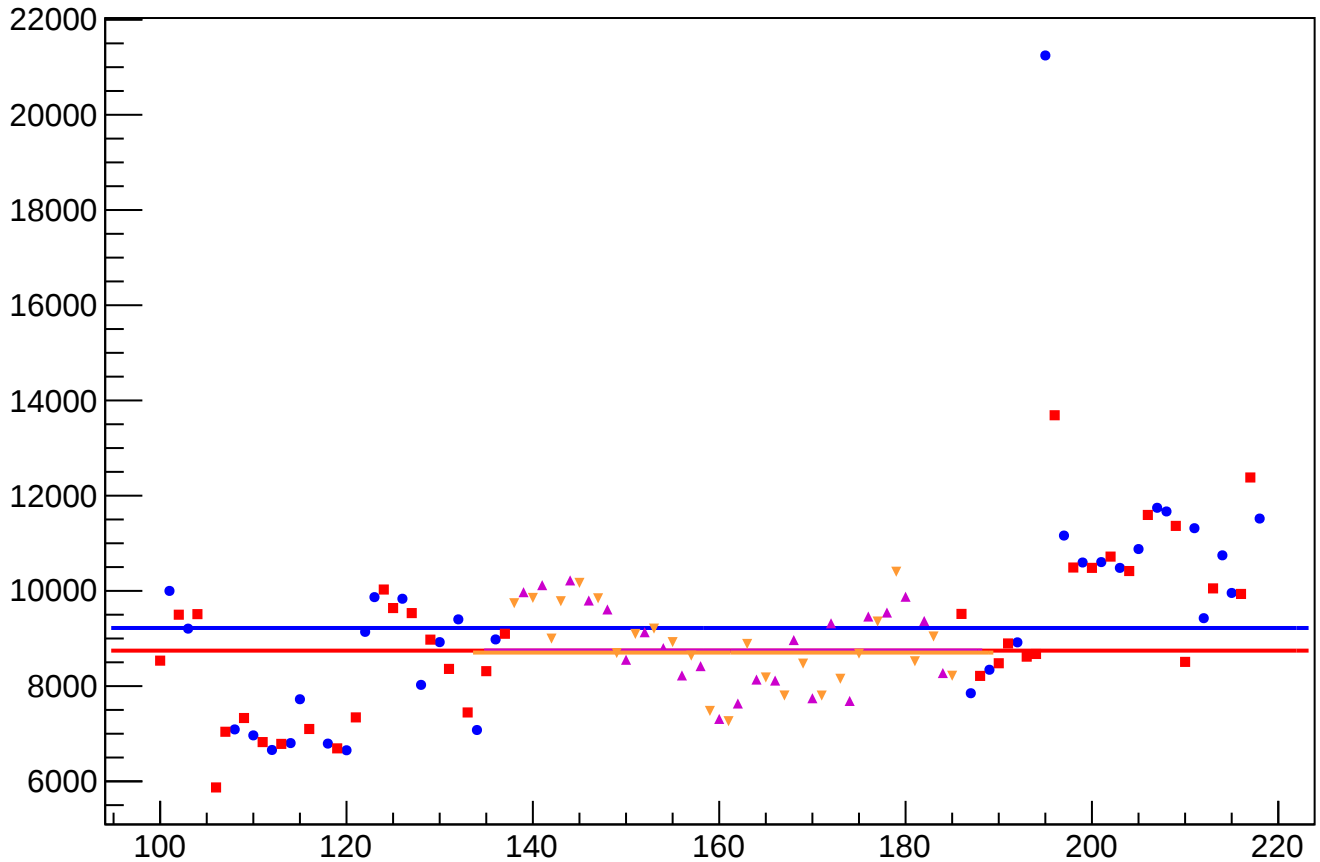
Left In: 11.515 ± 2.122 $\chi^2/\text{NDF}: 21.0/22$

+ sign -6.156 ± 1.505 $\chi^2/\text{NDF}: 308.5/57$

All: -1.195 ± 1.056 $\chi^2/\text{NDF}: 837.9/116$

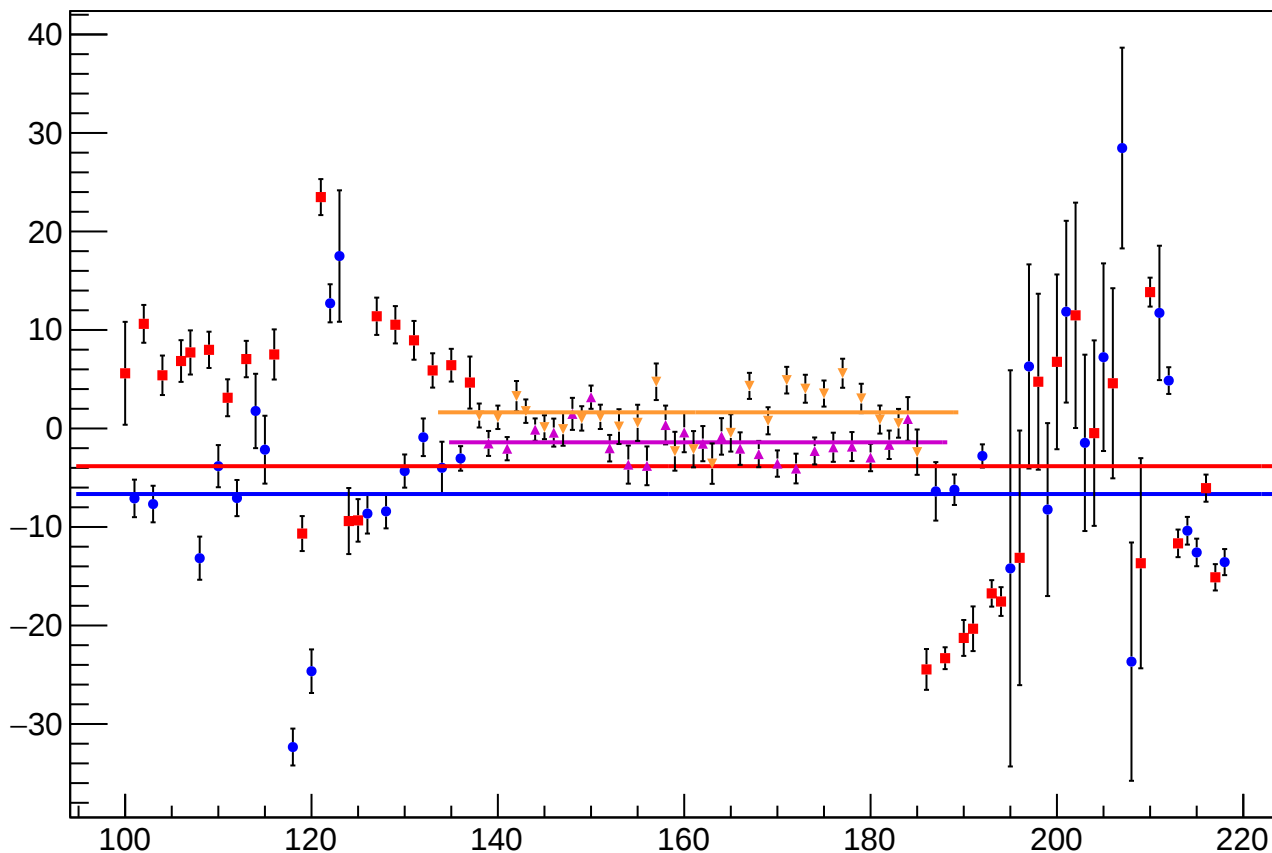
- sign 3.620 ± 1.483 $\chi^2/\text{NDF}: 508.0/58$

diff_bpm0l08X_rms vs Slug



Right In: 9220.811+/-1.569	χ^2/NDF : 1618303.4/32	+ sign 8941.956+/-1.064	χ^2/NDF : 2009201.8/57
Left Out: 8704.193+/-1.449	χ^2/NDF : 332364.3/24	All: 8842.660+/-0.747	χ^2/NDF : 3682076.7/11
Right Out: 8745.204+/-1.466	χ^2/NDF : 1308610.0/35	- sign 8746.283+/-1.049	χ^2/NDF : 1655721.5/58
Left In: 8747.415+/-1.501	χ^2/NDF : 347110.4/22		

diff_bpm0l08Y_mean vs Slug



Right In: -6.655 ± 0.360 $\chi^2/\text{NDF}: 572.4/32$

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

Right Out: -3.828 ± 0.328 $\chi^2/\text{NDF}: 1723.3/35$

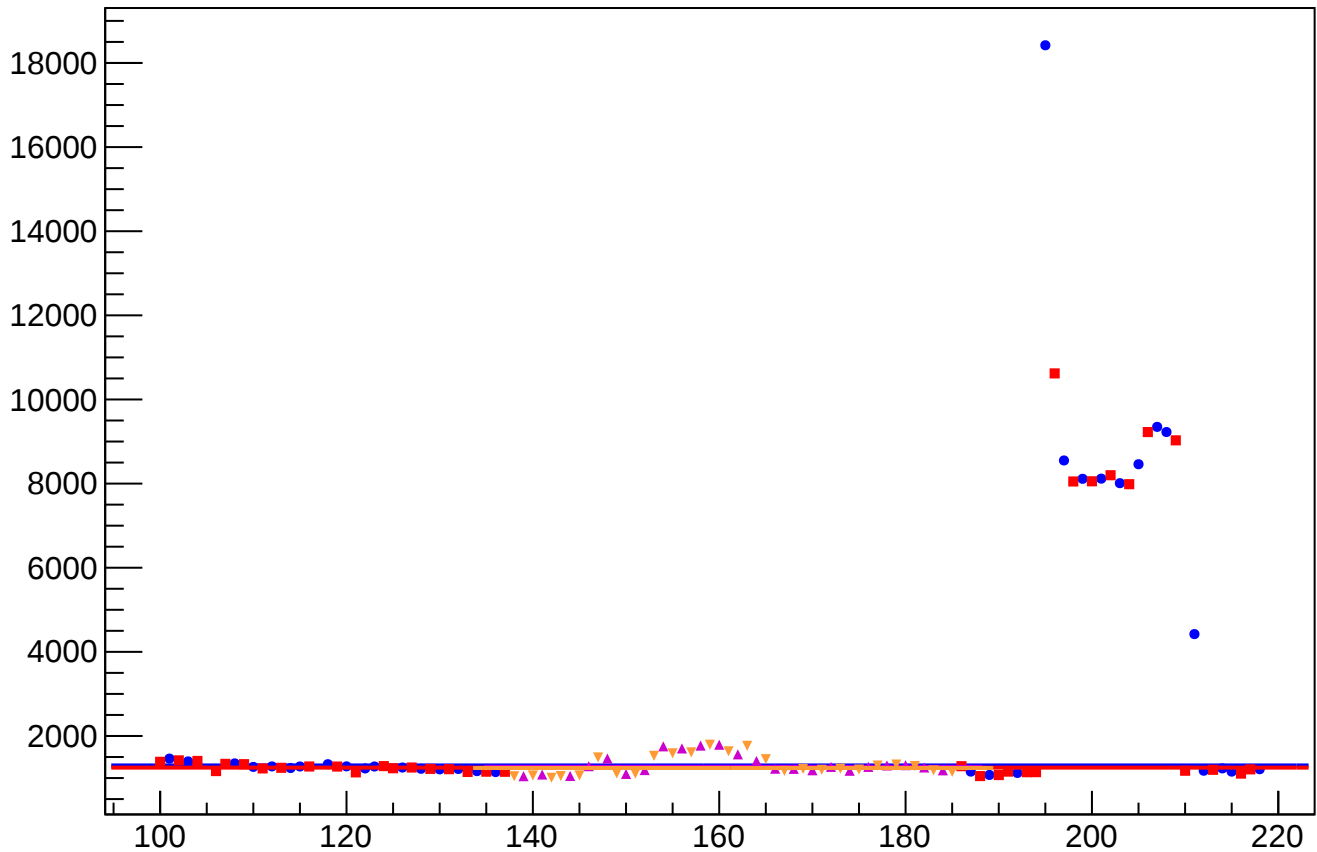
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -1.668 ± 0.228 $\chi^2/\text{NDF}: 941.9/57$

All: -2.110 ± 0.160 $\chi^2/\text{NDF}: 2735.8/116$

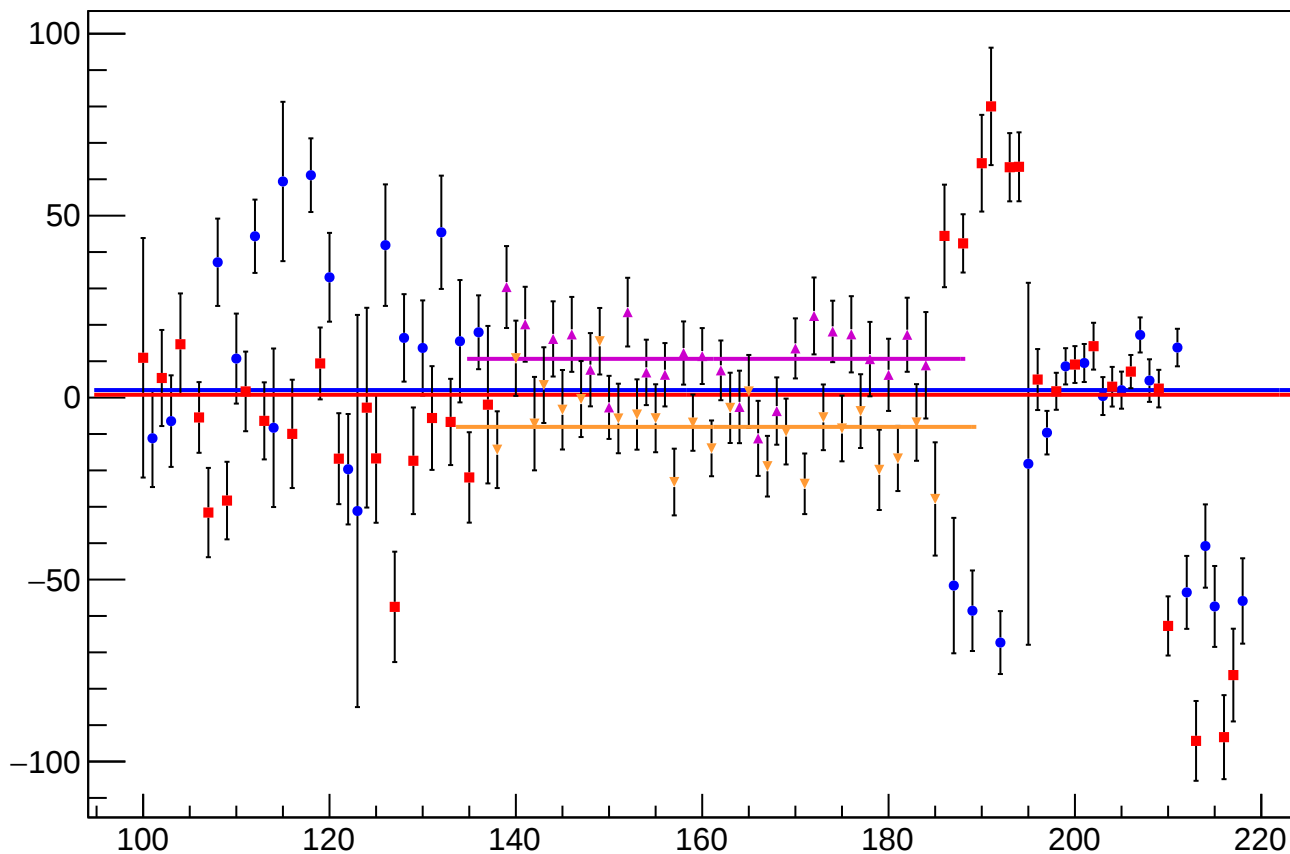
- sign -2.542 ± 0.225 $\chi^2/\text{NDF}: 1786.4/58$

diff_bpm0l08Y_rms vs Slug



Right In: 1299.938 $\pm$ 0.255 χ^2 /NDF: 9731632.7/32 + sign 1262.964 $\pm$ 0.161 χ^2 /NDF: 10731801.8/57
 Left Out: 1238.437 $\pm$ 0.208 χ^2 /NDF: 965173.0/24 All: 1260.105 $\pm$ 0.113 χ^2 /NDF: 19374300.4/1
 Right Out: 1247.862 $\pm$ 0.232 χ^2 /NDF: 7793597.6/35 - sign 1257.311 $\pm$ 0.159 χ^2 /NDF: 8641874.8/58
 Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

diff_bpm0l09X_mean vs Slug



Right In: 2.077 ± 1.504 χ^2/NDF : 320.4/32

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

Right Out: 0.788 ± 1.515 χ^2/NDF : 461.6/35

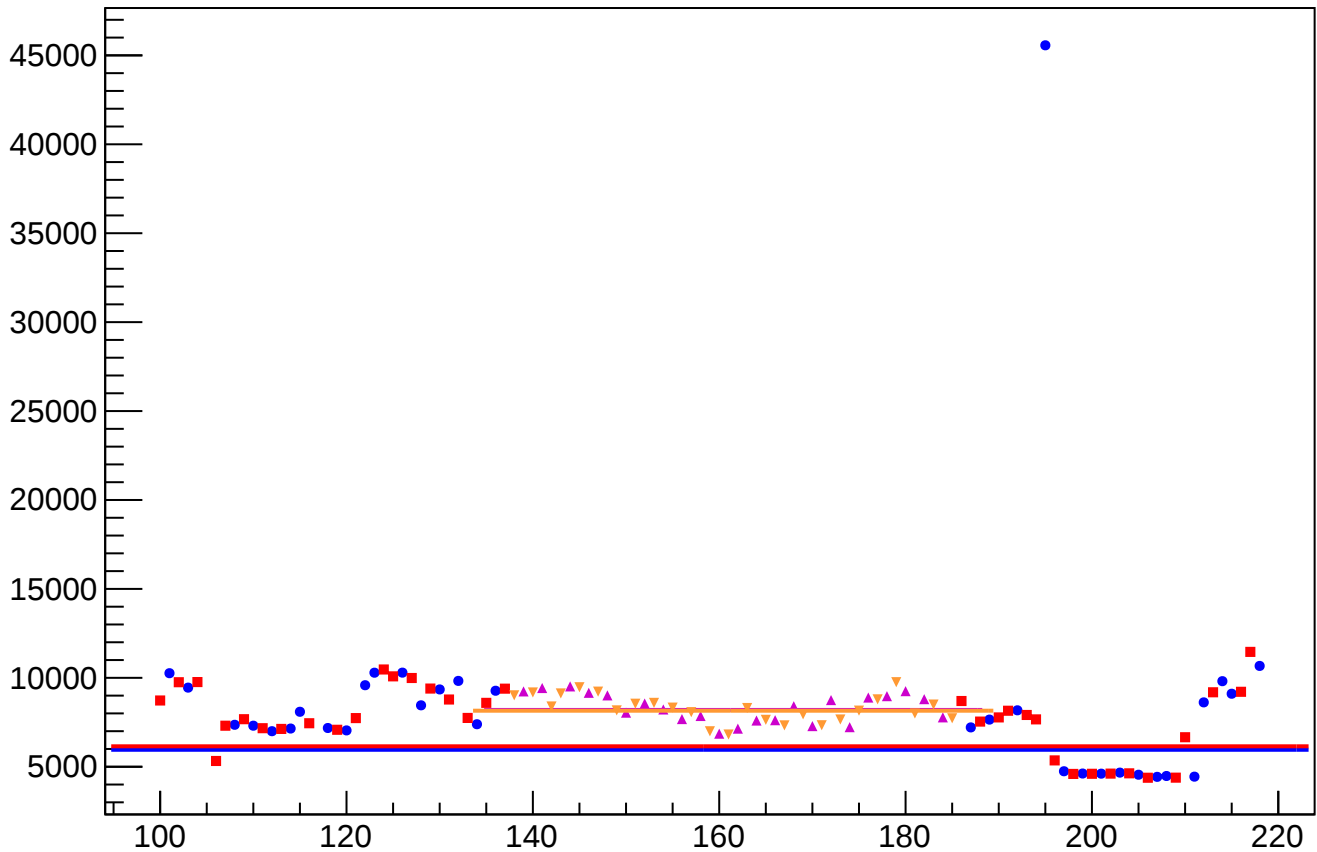
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

+ sign -1.776 ± 1.184 χ^2/NDF : 363.9/57

All: 1.263 ± 0.844 χ^2/NDF : 875.9/116

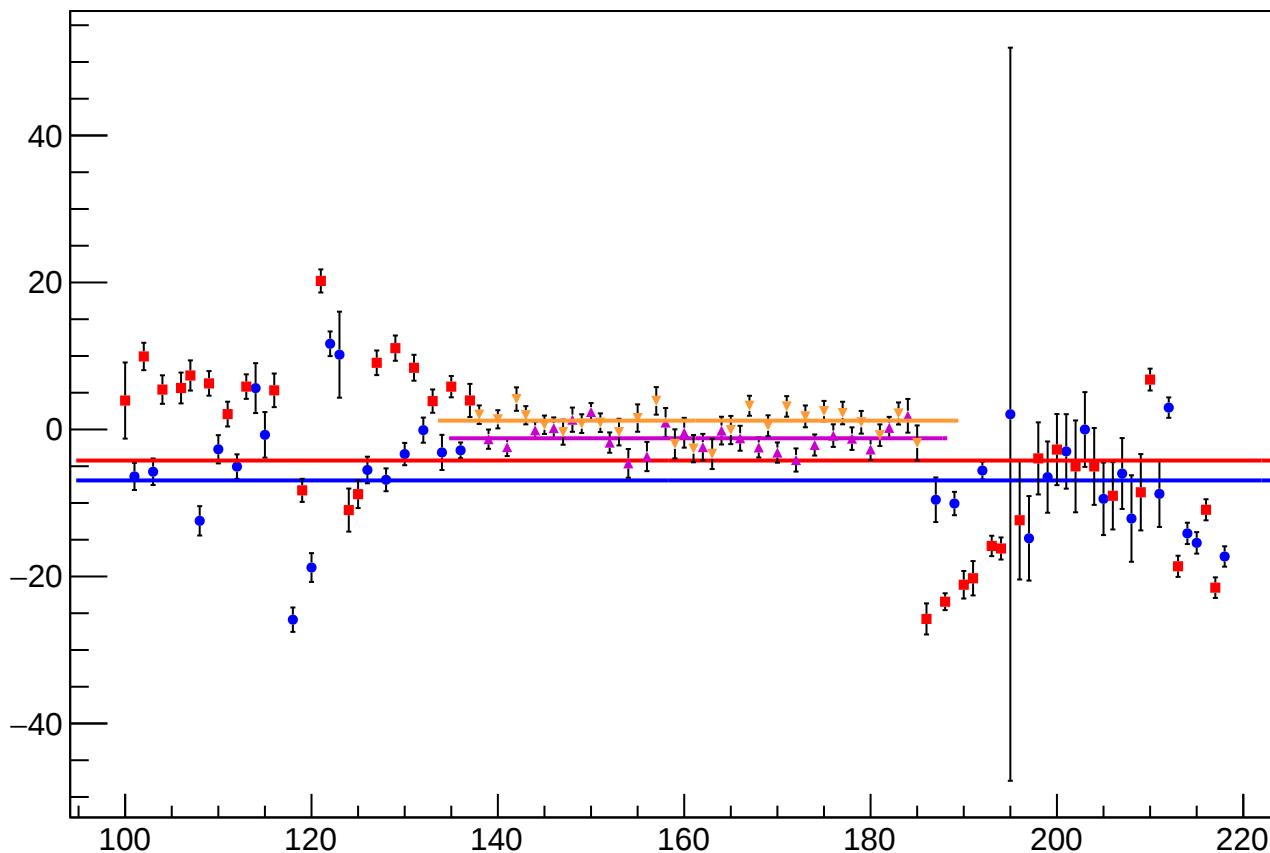
- sign 4.414 ± 1.205 χ^2/NDF : 498.6/58

diff_bpm0l09X_rms vs Slug



Right In: 5954.752+/-1.064	χ^2/NDF : 4776900.8/32	+ sign 6791.214+/-0.837	χ^2/NDF : 6723013.0/57
Left Out: 8151.489+/-1.356	χ^2/NDF : 321803.3/24	All: 6845.106+/-0.597	χ^2/NDF : 11627680.4/1
Right Out: 6149.655+/-1.071	χ^2/NDF : 3220170.4/35	- sign 6900.963+/-0.852	χ^2/NDF : 4896223.9/58
Left In: 8193.636+/-1.405	χ^2/NDF : 338377.6/22		

diff_bpm0l09Y_mean vs Slug



Right In: -6.932 ± 0.339 χ^2/NDF : 546.1/32

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

Right Out: -4.226 ± 0.313 χ^2/NDF : 1764.9/35

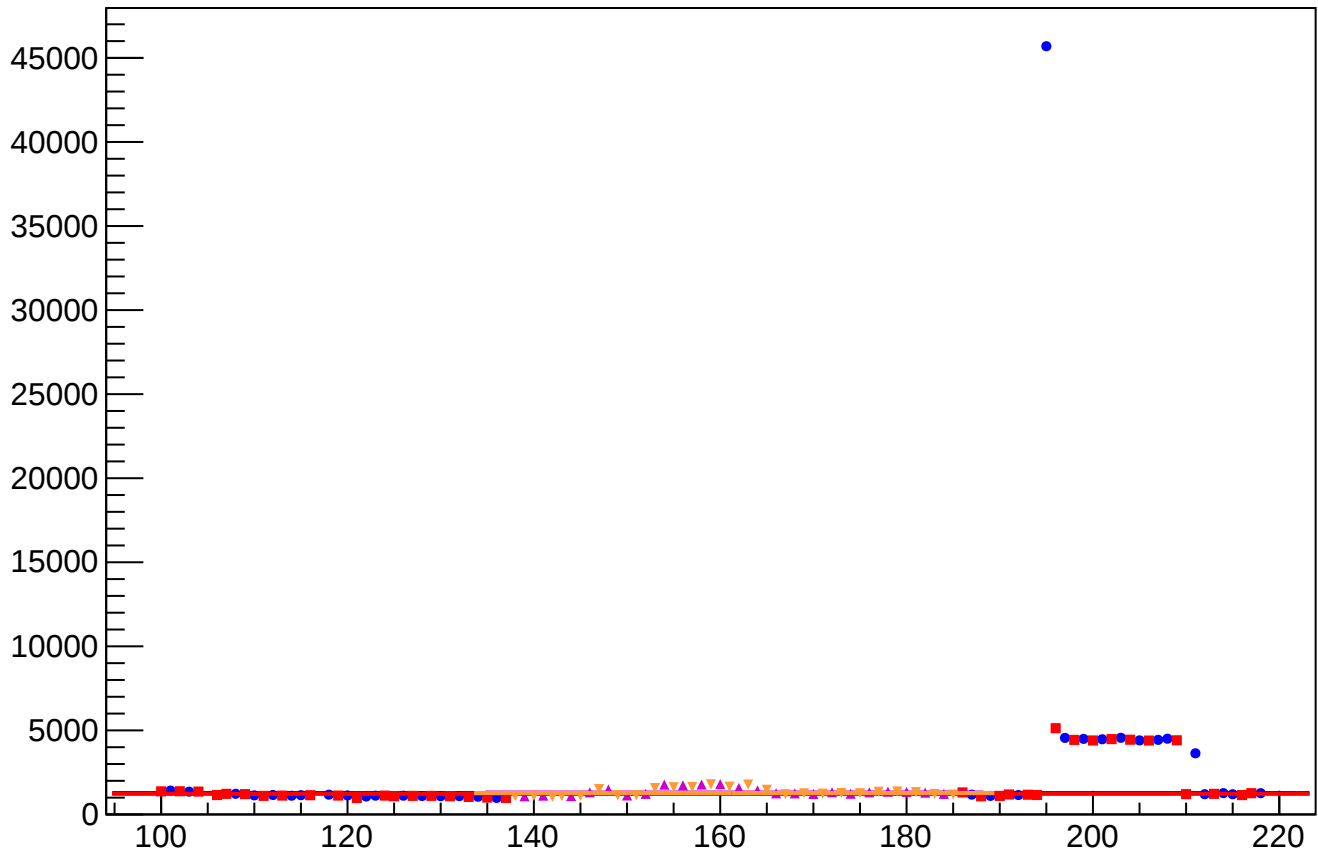
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -2.402 ± 0.226 χ^2/NDF : 896.7/57

All: -2.571 ± 0.159 χ^2/NDF : 2739.9/116

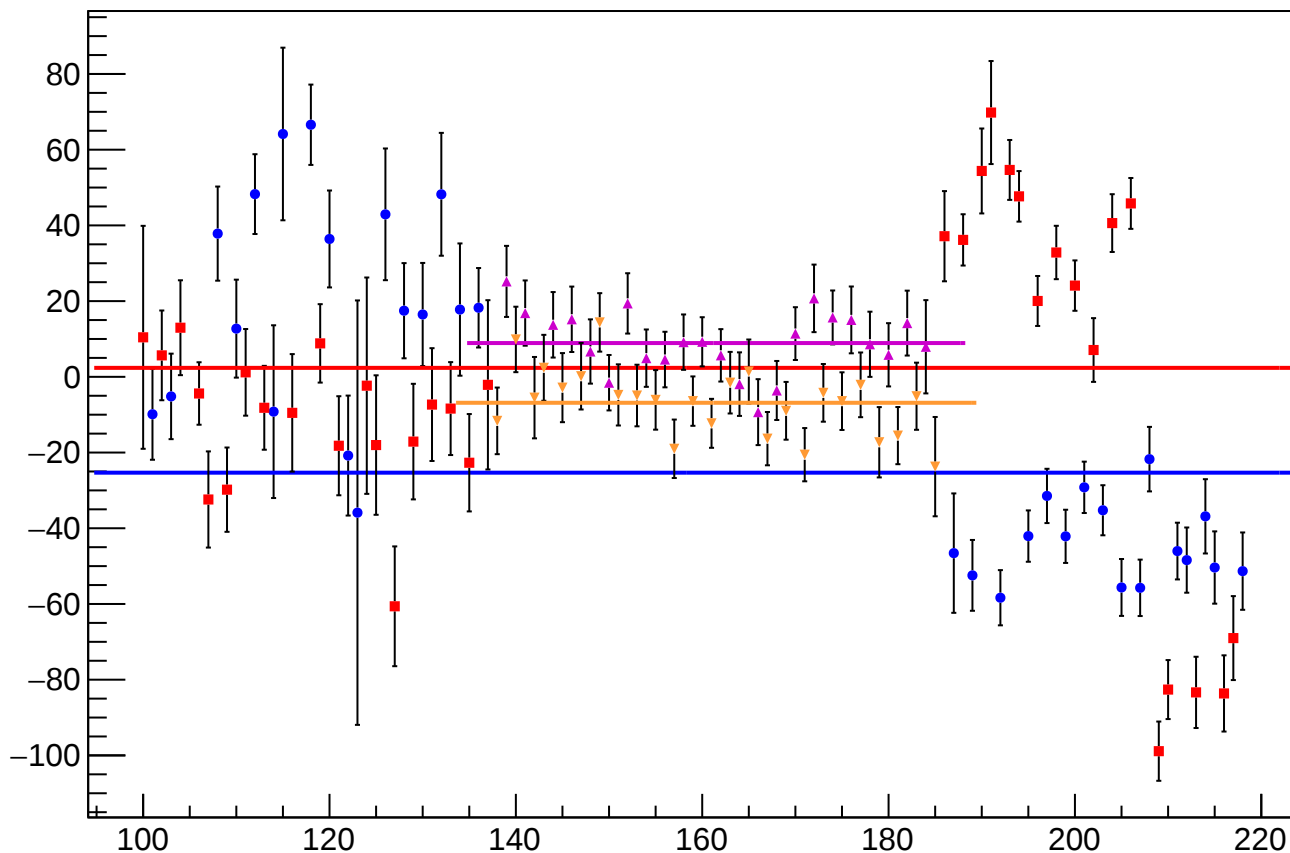
- sign -2.736 ± 0.223 χ^2/NDF : 1842.1/58

diff_bpm0l09Y_rms vs Slug



Right In: 1272.305+/-0.240	χ^2/NDF : 7977578.0/32	+ sign 1275.429+/-0.160	χ^2/NDF : 8856011.1/57
Left Out: 1277.916+/-0.214	χ^2/NDF : 878127.9/24	All: 1270.248+/-0.112	χ^2/NDF : 15189872.1/100
Right Out: 1226.084+/-0.221	χ^2/NDF : 5507959.4/35	- sign 1265.181+/-0.158	χ^2/NDF : 6331775.9/58
Left In: 1305.541+/-0.225	χ^2/NDF : 760450.8/22		

diff_bpm0l10X_mean vs Slug



Right In: -25.317 ± 1.709 χ^2/NDF : 391.1/32

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

Right Out: 2.370 ± 1.639 χ^2/NDF : 802.2/35

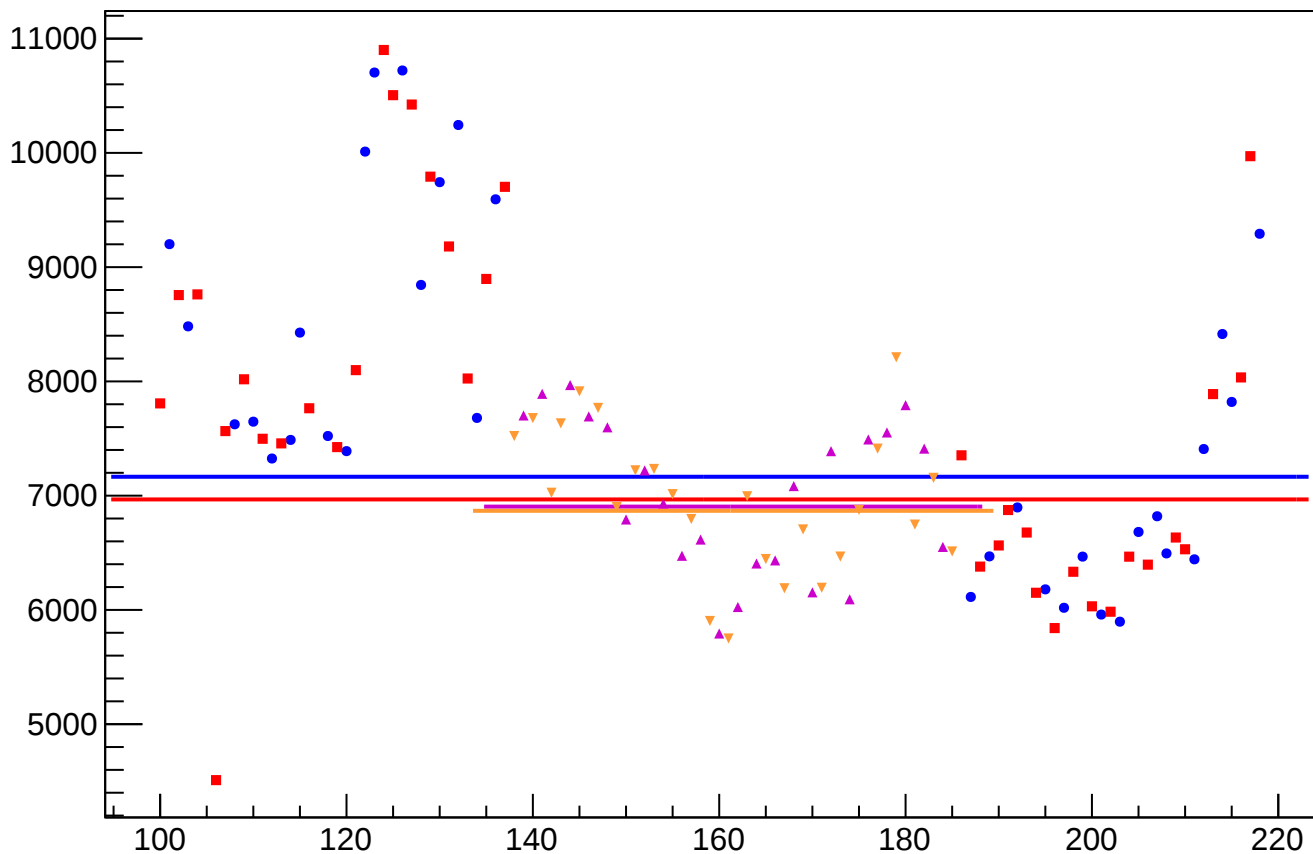
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -15.569 ± 1.174 χ^2/NDF : 481.5/57

All: -4.973 ± 0.829 χ^2/NDF : 1475.9/116

- sign 5.577 ± 1.171 χ^2/NDF : 831.8/58

diff_bpm0l10X_rms vs Slug



Right In: 7165.444+/-1.208 χ^2/NDF : 990420.6/32

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

Right Out: 6967.034+/-1.159 χ^2/NDF : 1144788.3/35

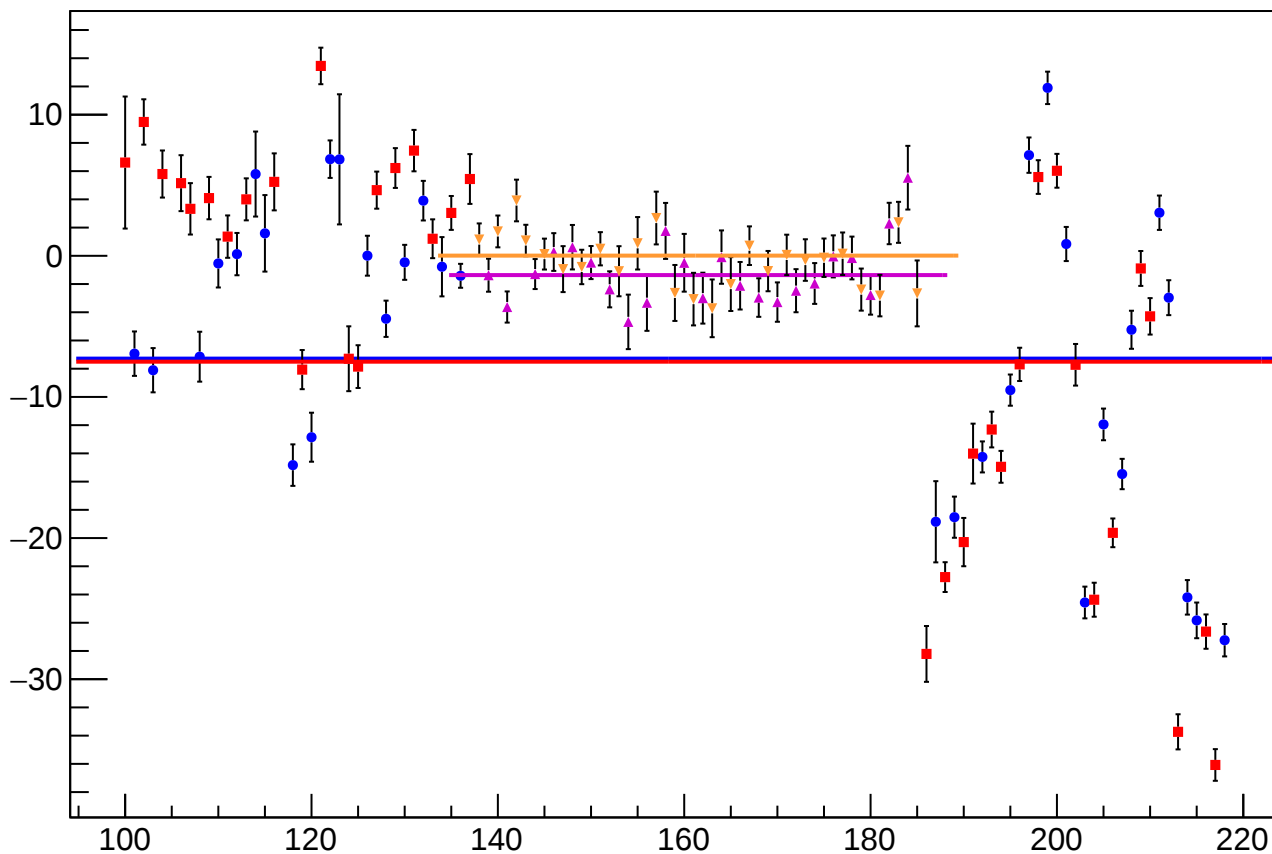
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

+ sign 7008.066+/-0.830 χ^2/NDF : 1329452.0/57

All: 6972.075+/-0.586 χ^2/NDF : 2805346.7/11

- sign 6936.240+/-0.828 χ^2/NDF : 1472142.8/58

diff_bpm0l10Y_mean vs Slug



Right In: -7.284 ± 0.235 χ^2/NDF : 2094.9/32

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

Right Out: -7.502 ± 0.233 χ^2/NDF : 3574.4/35

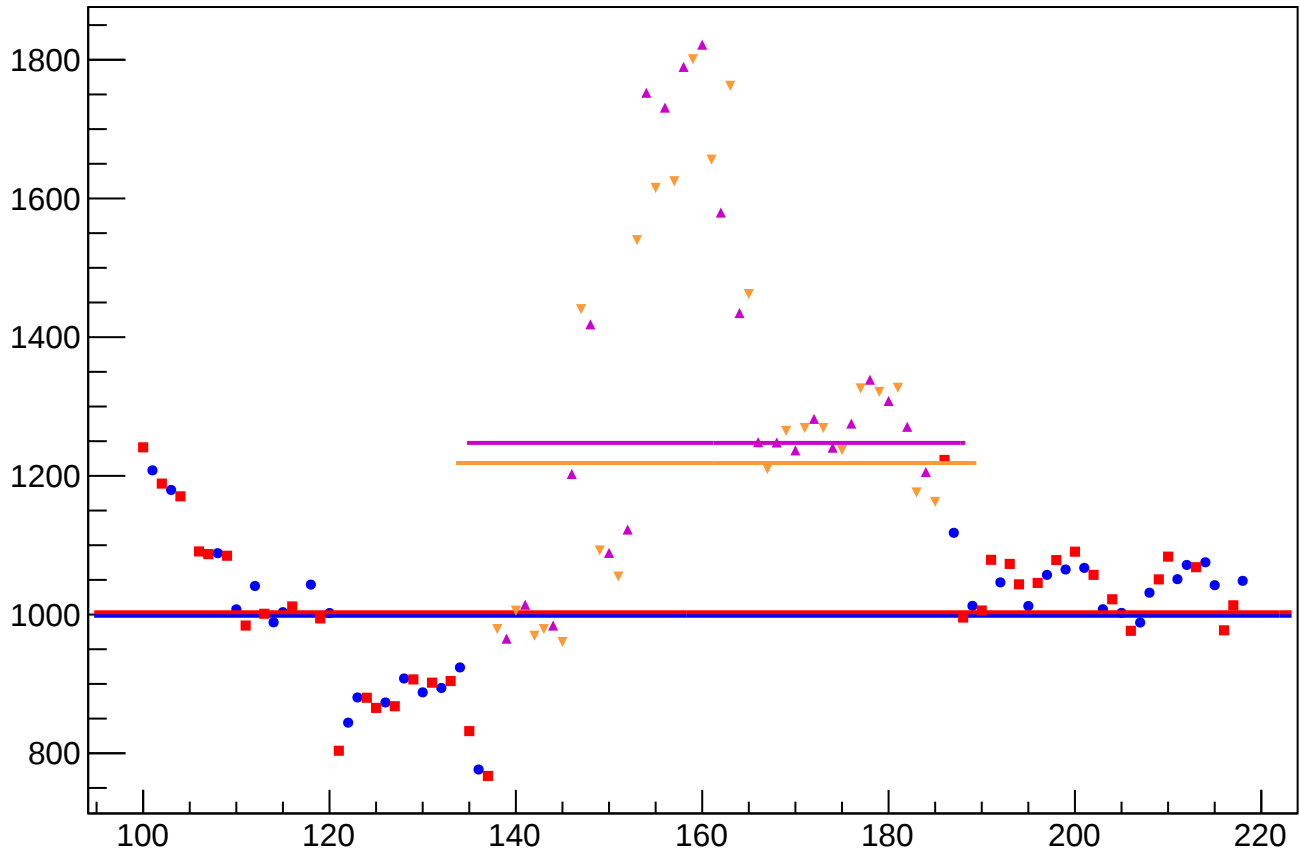
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -4.395 ± 0.182 χ^2/NDF : 2512.7/57

All: -4.817 ± 0.130 χ^2/NDF : 6391.9/116

- sign -5.251 ± 0.185 χ^2/NDF : 3868.3/58

diff_bpm0l10Y_rms vs Slug



Right In: 998.284 $\pm$ 0.166 χ^2 /NDF: 343136.4/32

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

Right Out: 1003.319 $\pm$ 0.164 χ^2 /NDF: 342361.8/35

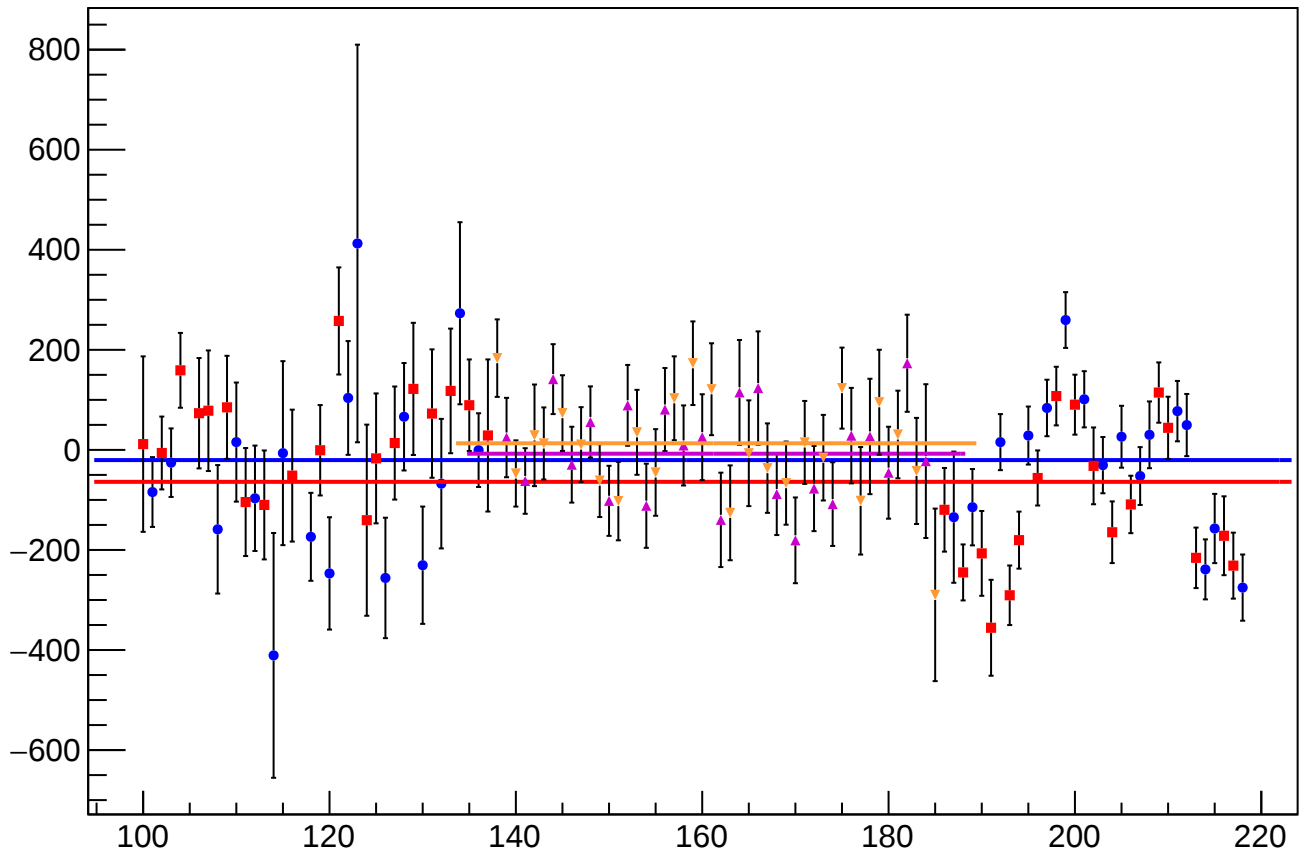
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1085.481 $\pm$ 0.129 χ^2 /NDF: 2306327.0/57

All: 1089.143 $\pm$ 0.092 χ^2 /NDF: 4532943.3/11

- sign 1092.912 $\pm$ 0.131 χ^2 /NDF: 2224980.7/58

diff_bpm0r03X_mean vs Slug



Right In: -20.385 ± 13.327 χ^2/NDF : 99.3/32

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

Right Out: -63.814 ± 13.213 χ^2/NDF : 120.5/35

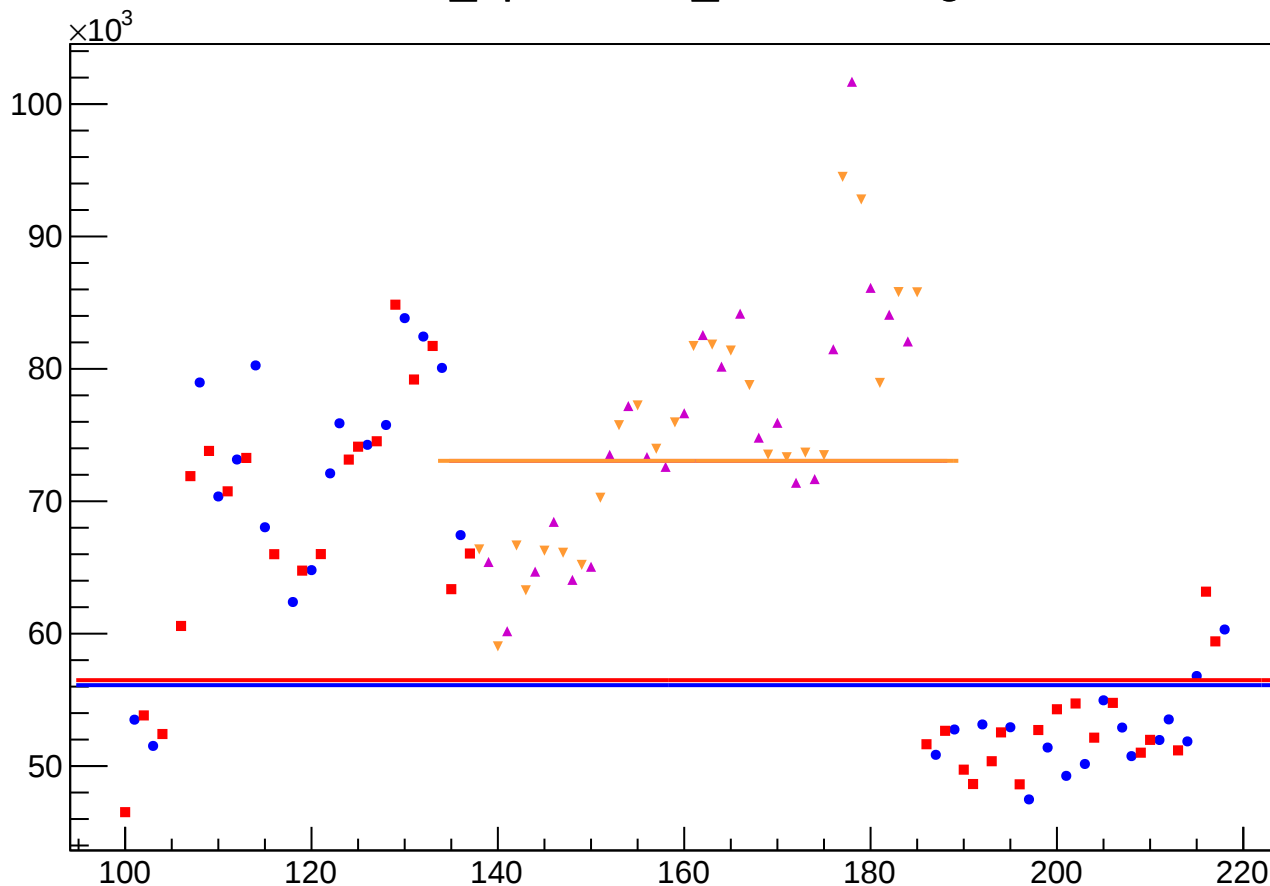
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign -7.734 ± 10.522 χ^2/NDF : 128.5/57

All: -25.597 ± 7.462 χ^2/NDF : 289.4/116

- sign -43.663 ± 10.582 χ^2/NDF : 155.1/58

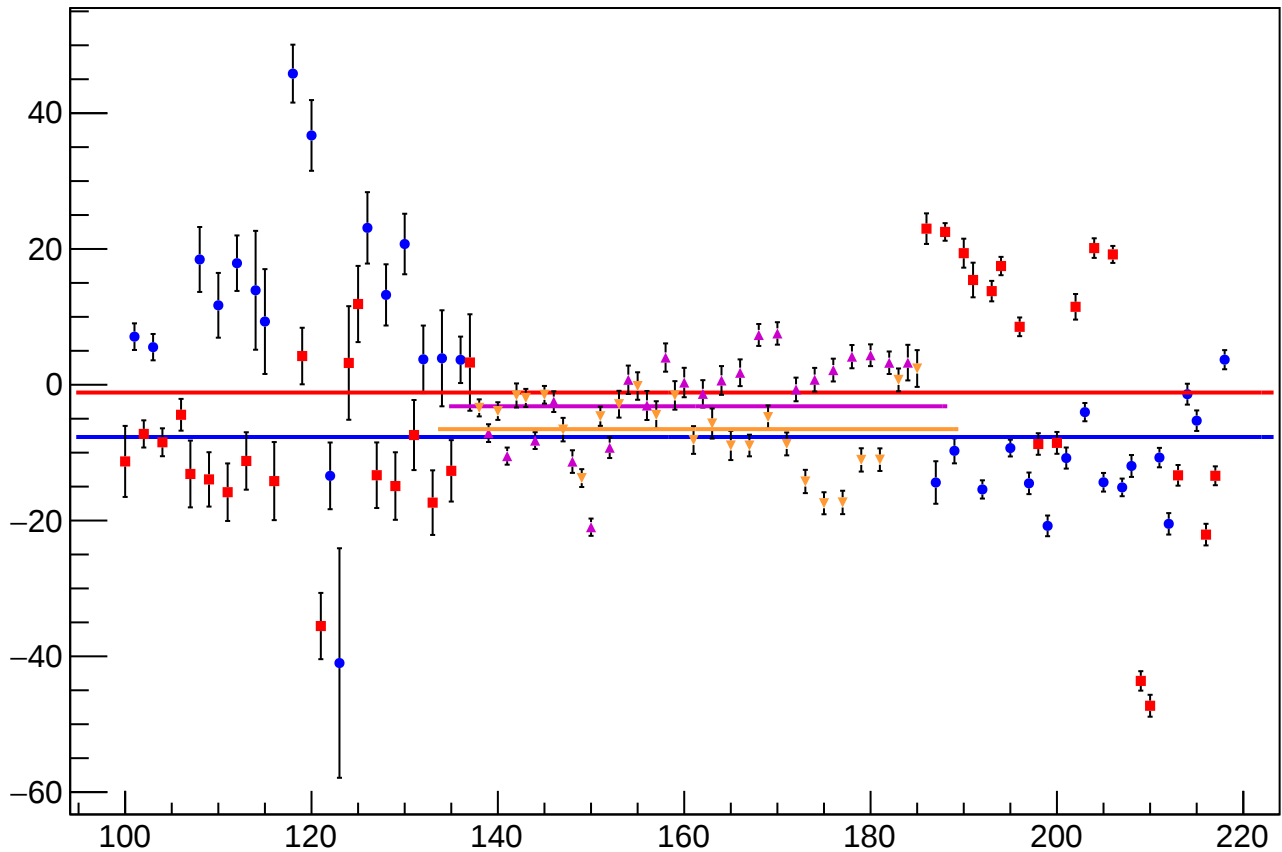
diff_bpm0r03X_rms vs Slug



Right In: 56110.184 $\pm$ 9.424 χ^2 /NDF: 822644.8/32
 Left Out: 73054.401 $\pm$ 12.124 χ^2 /NDF: 473050.9/24
 Right Out: 56487.827 $\pm$ 9.343 χ^2 /NDF: 790010.0/35
 Left In: 73045.500 $\pm$ 12.496 χ^2 /NDF: 463525.5/22

+ sign 62491.675 $\pm$ 7.440 χ^2 /NDF: 2513266.3/57
 All: 62458.621 $\pm$ 5.276 χ^2 /NDF: 4893039.9/1
 - sign 62425.190 $\pm$ 7.483 χ^2 /NDF: 2379733.9/58

diff_bpm0r03Y_mean vs Slug



Right In: -7.696 ± 0.348 χ^2/NDF : 912.9/32

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

Right Out: -1.147 ± 0.345 χ^2/NDF : 3659.8/35

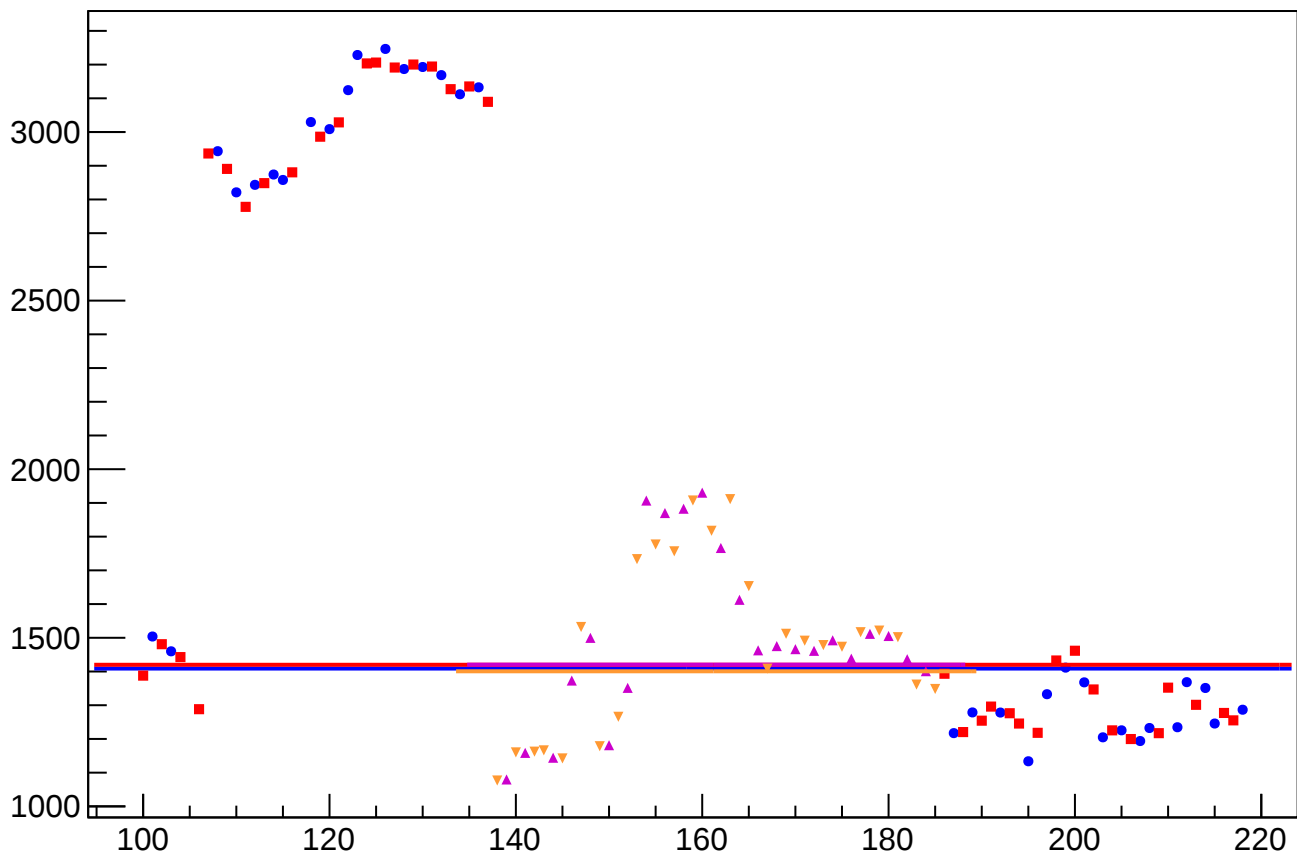
Left In: -3.171 ± 0.346 χ^2/NDF : 487.3/22

+ sign -7.089 ± 0.240 χ^2/NDF : 1171.4/57

All: -4.666 ± 0.171 χ^2/NDF : 5543.3/116

- sign -2.154 ± 0.244 χ^2/NDF : 4164.3/58

diff_bpm0r03Y_rms vs Slug



Right In: 1408.767 $\pm$ 0.246 χ^2 /NDF: 3628312.3/32

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

Right Out: 1419.941 $\pm$ 0.244 χ^2 /NDF: 3603571.3/35

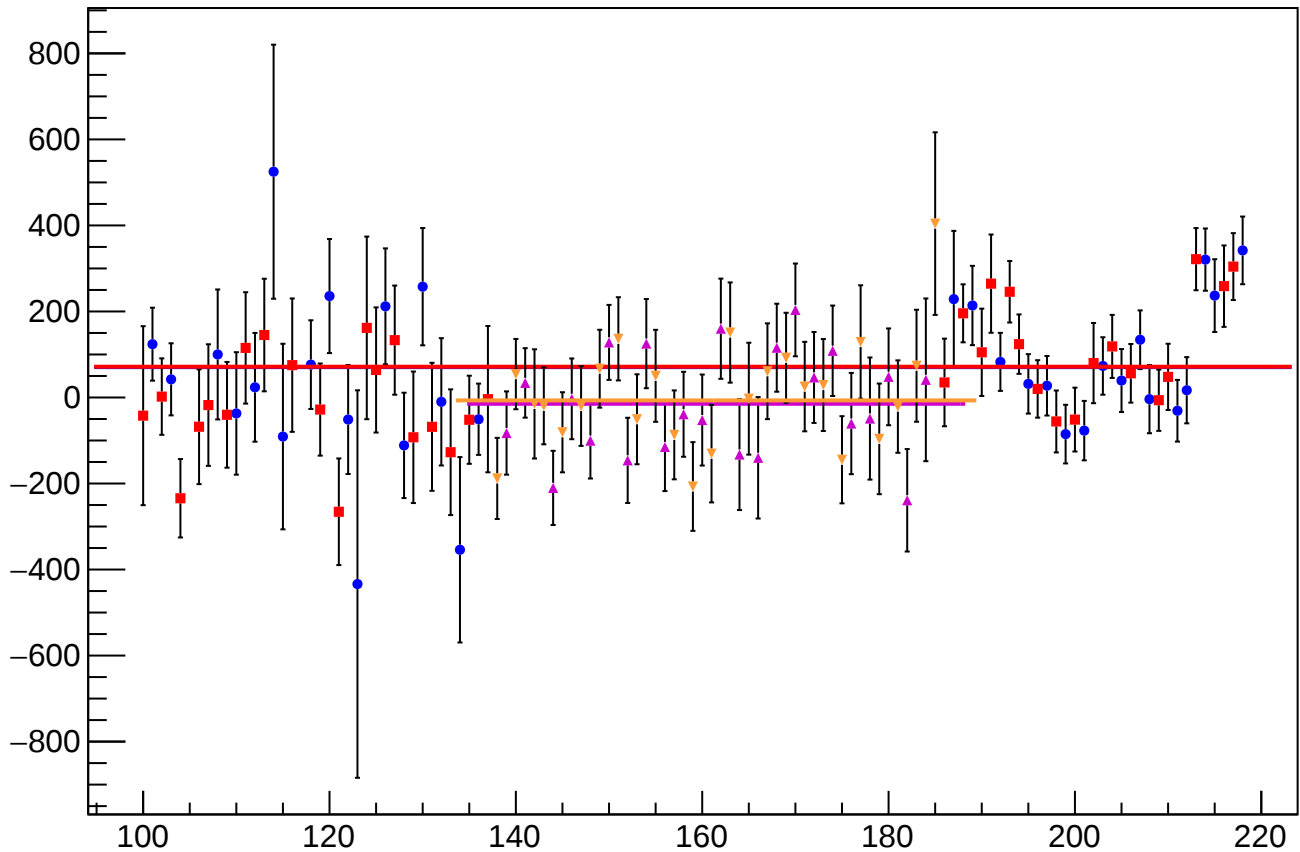
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF: 905186.2/22

+ sign 1404.513 $\pm$ 0.170 χ^2 /NDF: 4666806.4/57

All: 1412.172 $\pm$ 0.121 χ^2 /NDF: 9179712.5/11

- sign 1420.112 $\pm$ 0.173 χ^2 /NDF: 4508758.4/58

diff_bpm0r05X_mean vs Slug



Right In: 70.615 $\pm$ 15.937 χ^2 /NDF: 65.5/32

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

Right Out: 71.499 $\pm$ 15.821 χ^2 /NDF: 75.2/35

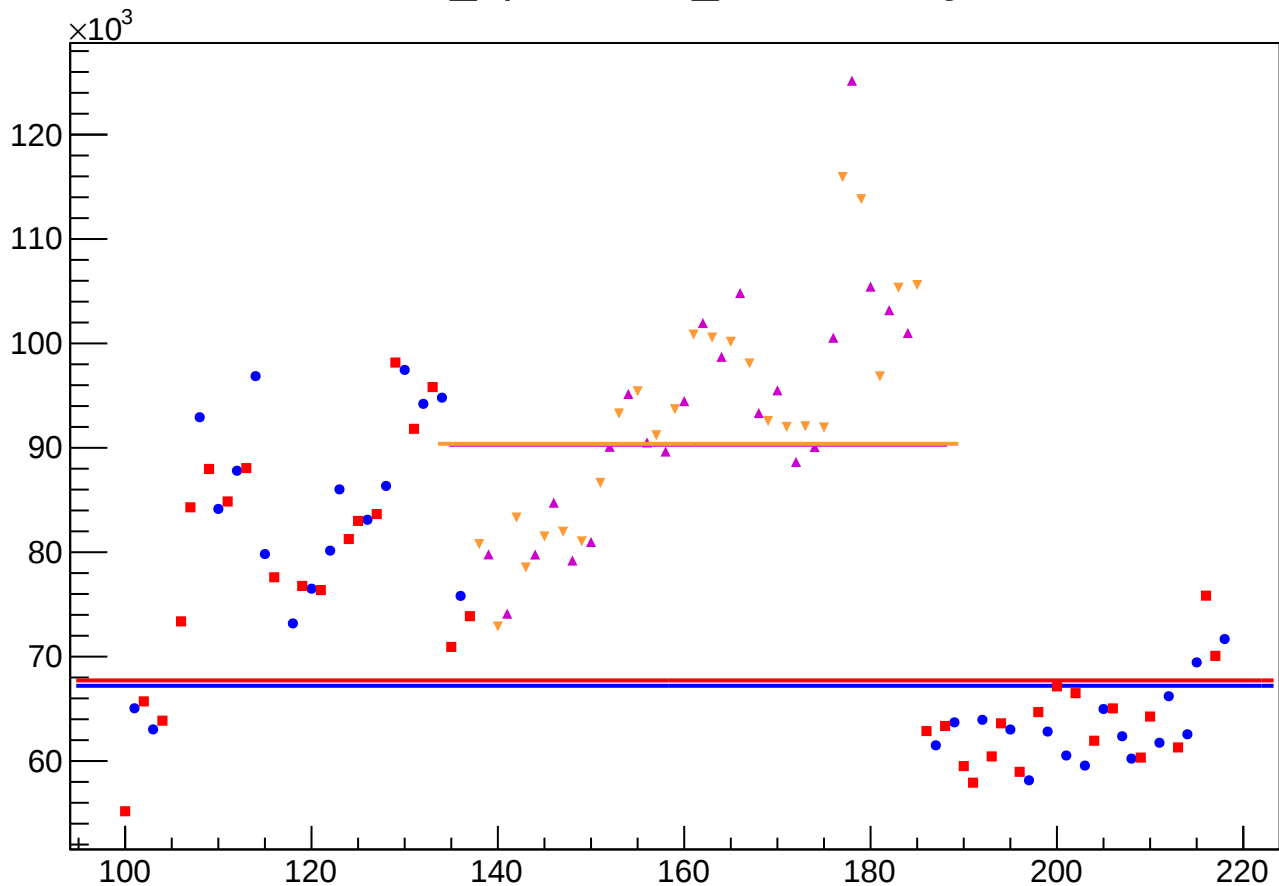
Left In: -14.611 $\pm$ 21.846 χ^2 /NDF: 29.8/22

+ sign 42.689 $\pm$ 12.742 χ^2 /NDF: 98.7/57

All: 42.284 $\pm$ 9.035 χ^2 /NDF: 213.9/116

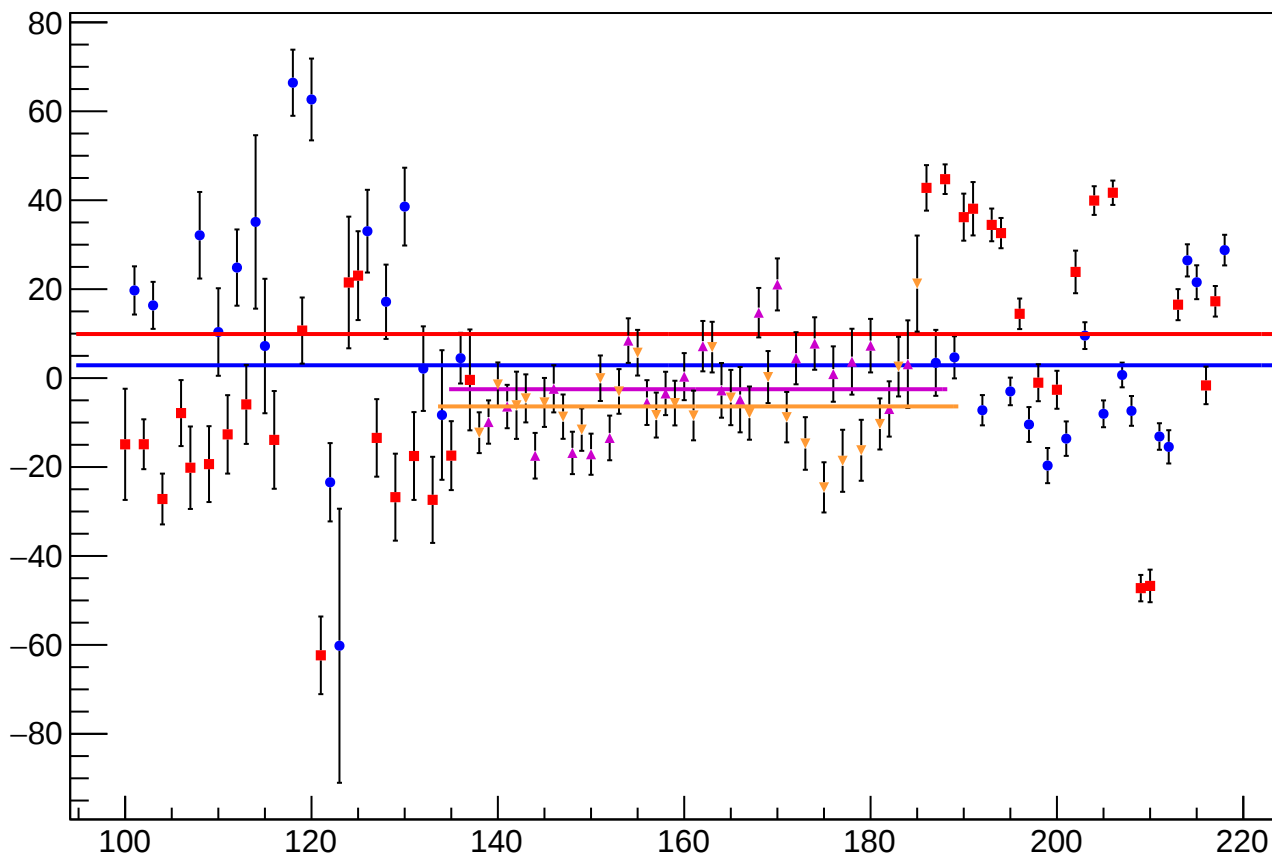
- sign 41.876 $\pm$ 12.813 χ^2 /NDF: 115.2/58

diff_bpm0r05X_rms vs Slug



Right In: 67206.388 $\pm$ 11.269	χ^2 /NDF: 670030.3/32	+ sign 75568.876 $\pm$ 9.010	χ^2 /NDF: 2657962.9/57
Left Out: 90384.853 $\pm$ 15.000	χ^2 /NDF: 461648.2/24	All: 75528.637 $\pm$ 6.389	χ^2 /NDF: 5184836.2/1
Right Out: 67723.254 $\pm$ 11.187	χ^2 /NDF: 665113.3/35	- sign 75487.944 $\pm$ 9.061	χ^2 /NDF: 2526833.2/58
Left In: 90293.591 $\pm$ 15.448	χ^2 /NDF: 461337.5/22		

diff_bpm0r05Y_mean vs Slug



Right In: 2.883 ± 0.805 $\chi^2/\text{NDF}: 472.9/32$

Left Out: -6.370 ± 1.124 $\chi^2/\text{NDF}: 45.5/24$

Right Out: 9.907 ± 0.818 $\chi^2/\text{NDF}: 1395.3/35$

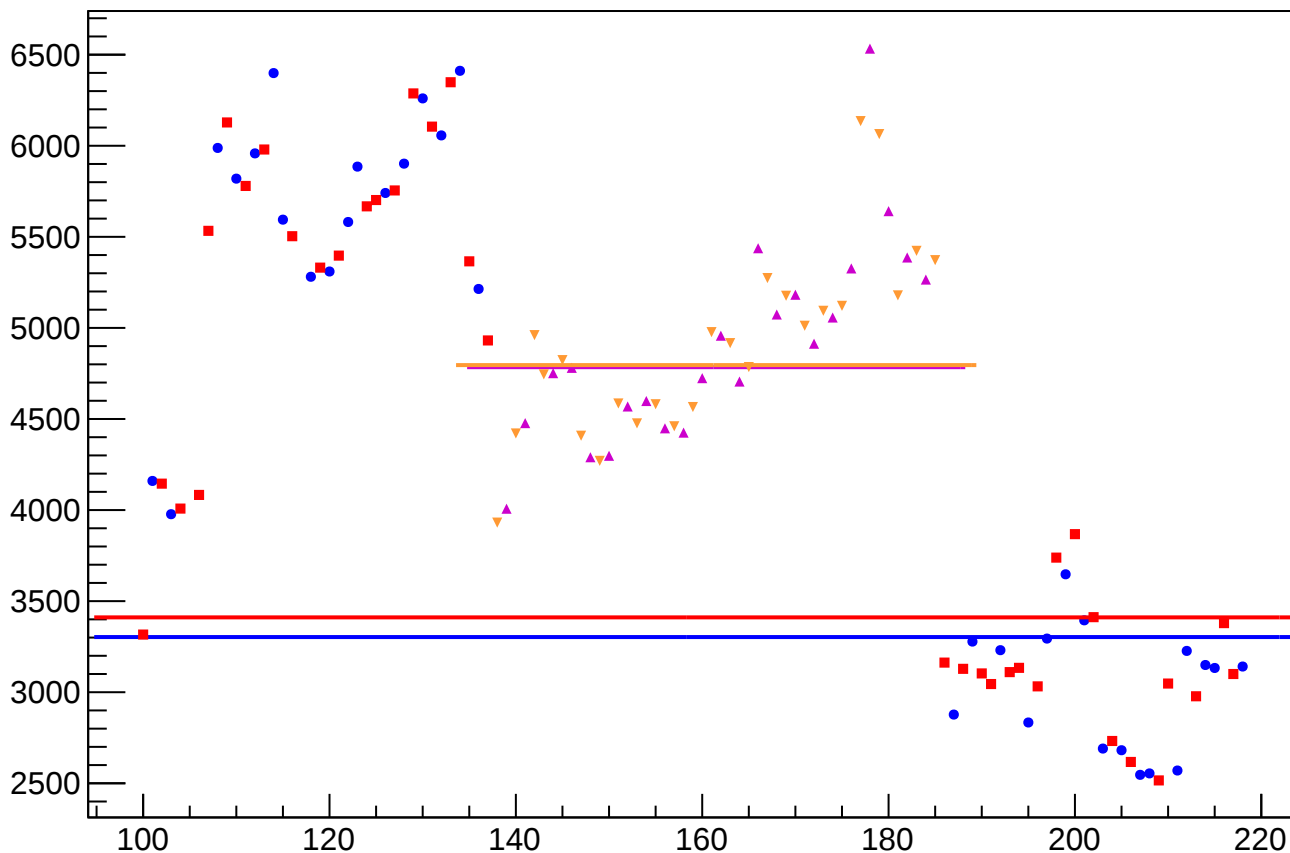
Left In: -2.501 ± 1.156 $\chi^2/\text{NDF}: 78.4/22$

+ sign -0.257 ± 0.655 $\chi^2/\text{NDF}: 563.1/57$

All: 2.696 ± 0.467 $\chi^2/\text{NDF}: 2155.1/116$

- sign 5.768 ± 0.668 $\chi^2/\text{NDF}: 1550.5/58$

diff_bpm0r05Y_rms vs Slug



Right In: 3302.824+/-0.570 χ^2/NDF : 2699990.5/32

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

Right Out: 3410.868+/-0.578 χ^2/NDF : 2592169.4/35

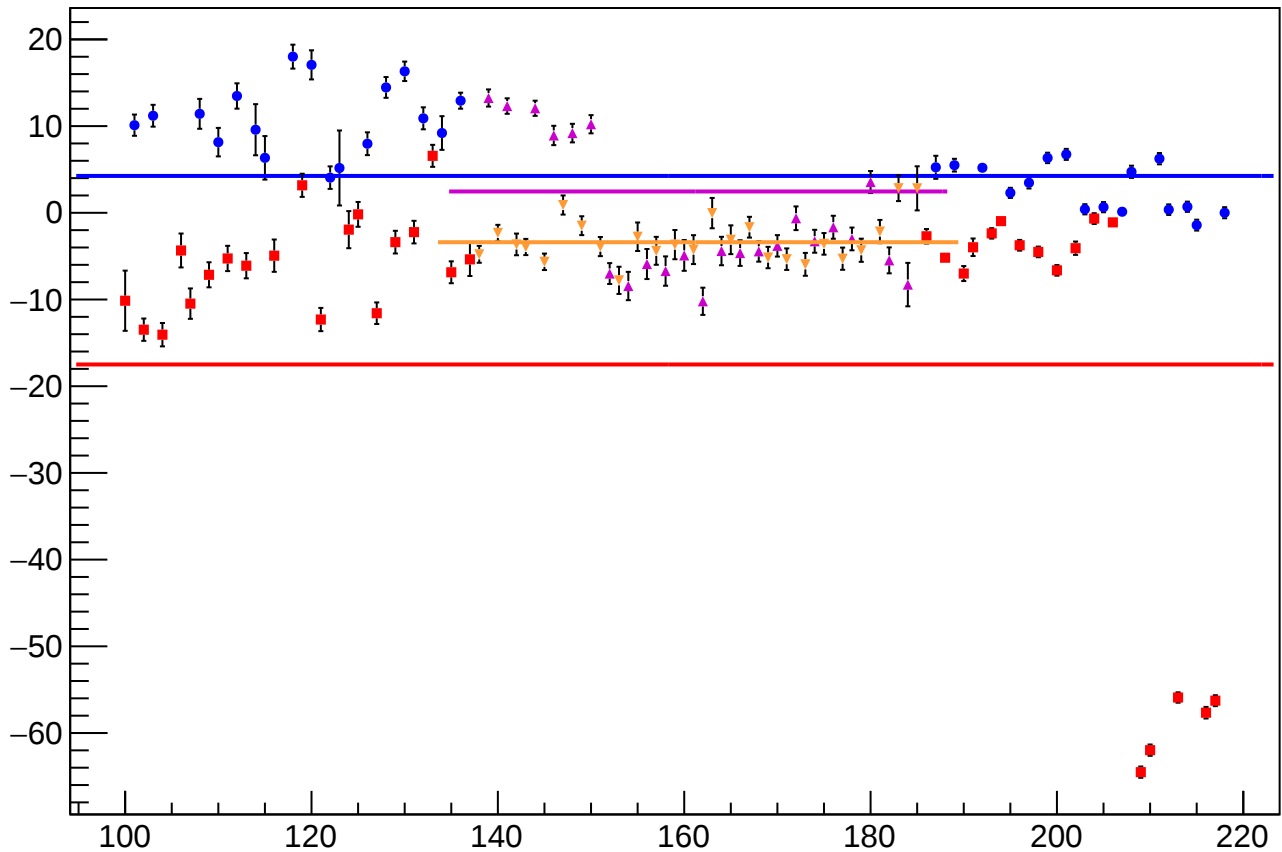
Left In: 4784.434+/-0.817 χ^2/NDF : 357507.2/22

+ sign 3809.496+/-0.463 χ^2/NDF : 5393069.3/57

All: 3838.719+/-0.331 χ^2/NDF : 10232792.6/1

- sign 3869.109+/-0.472 χ^2/NDF : 4831595.0/58

diff_bpm2i01X_mean vs Slug



Right In: 4.254 ± 0.143 χ^2/NDF : 987.1/32

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

Right Out: -17.494 ± 0.142 χ^2/NDF : 28810.7/35

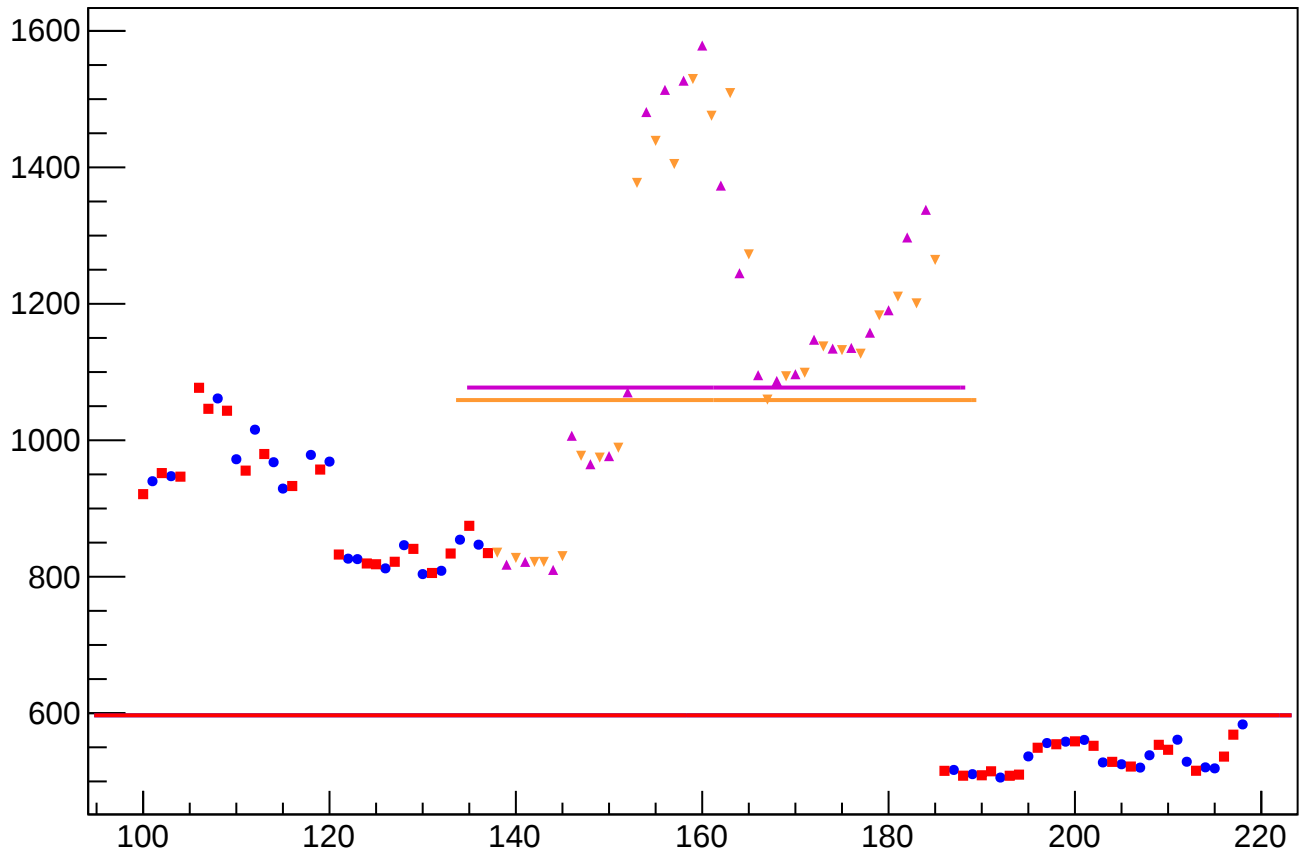
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

+ sign 2.387 ± 0.125 χ^2/NDF : 1758.8/57

All: -5.315 ± 0.088 χ^2/NDF : 43565.7/116

- sign -13.041 ± 0.125 χ^2/NDF : 34164.6/58

diff_bpm2i01X_rms vs Slug



Right In: 596.885 $\pm$ 0.101 χ^2 /NDF: 1896930.5/32

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

Right Out: 596.912 $\pm$ 0.100 χ^2 /NDF: 2108165.5/35

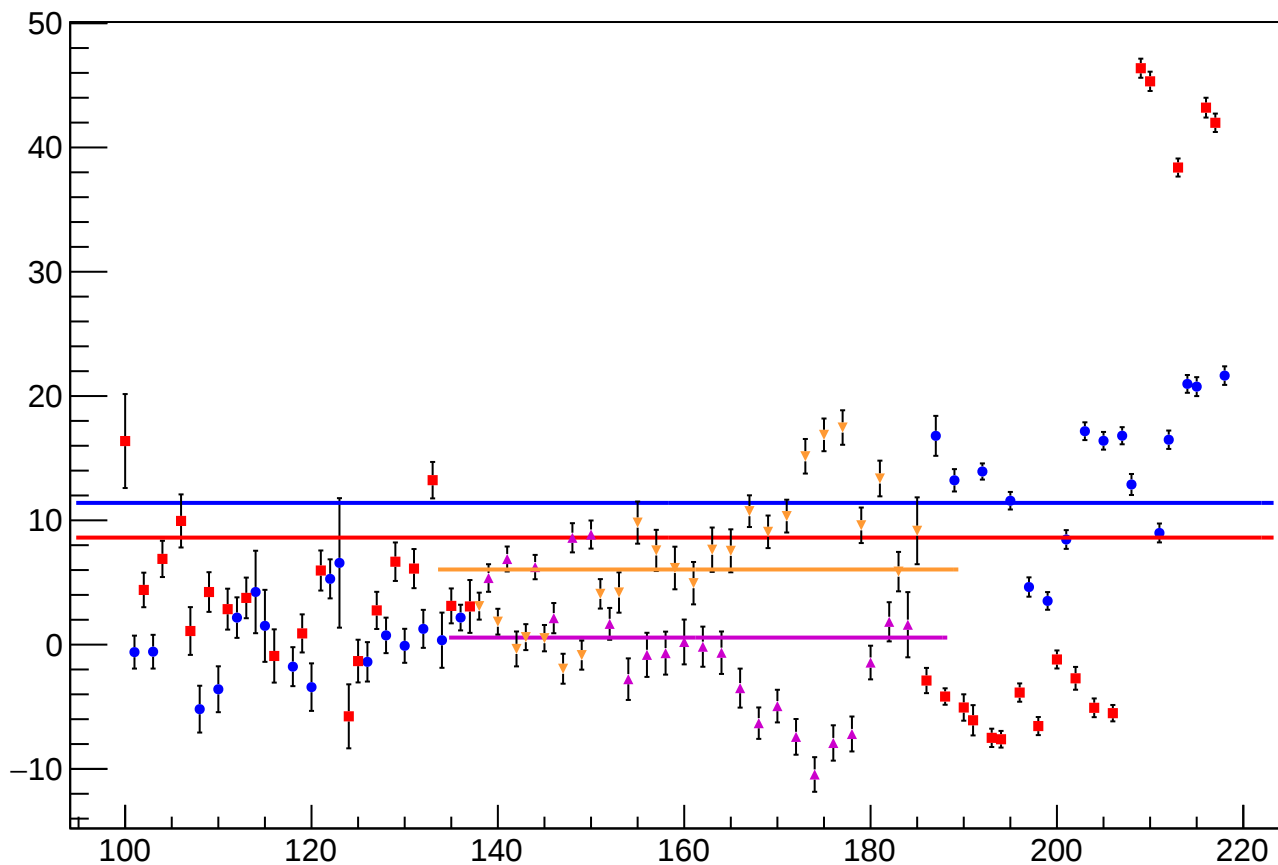
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF: 1280349.9/22

+ sign 709.770 $\pm$ 0.088 χ^2 /NDF: 8371068.7/57

All: 706.946 $\pm$ 0.062 χ^2 /NDF: 16891540.9/1

- sign 704.112 $\pm$ 0.088 χ^2 /NDF: 8518415.7/58

diff_bpm2i01Y_mean vs Slug



Right In: 11.403 ± 0.171 $\chi^2/\text{NDF}: 1836.4/32$

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

Right Out: 8.611 ± 0.169 $\chi^2/\text{NDF}: 14190.8/35$

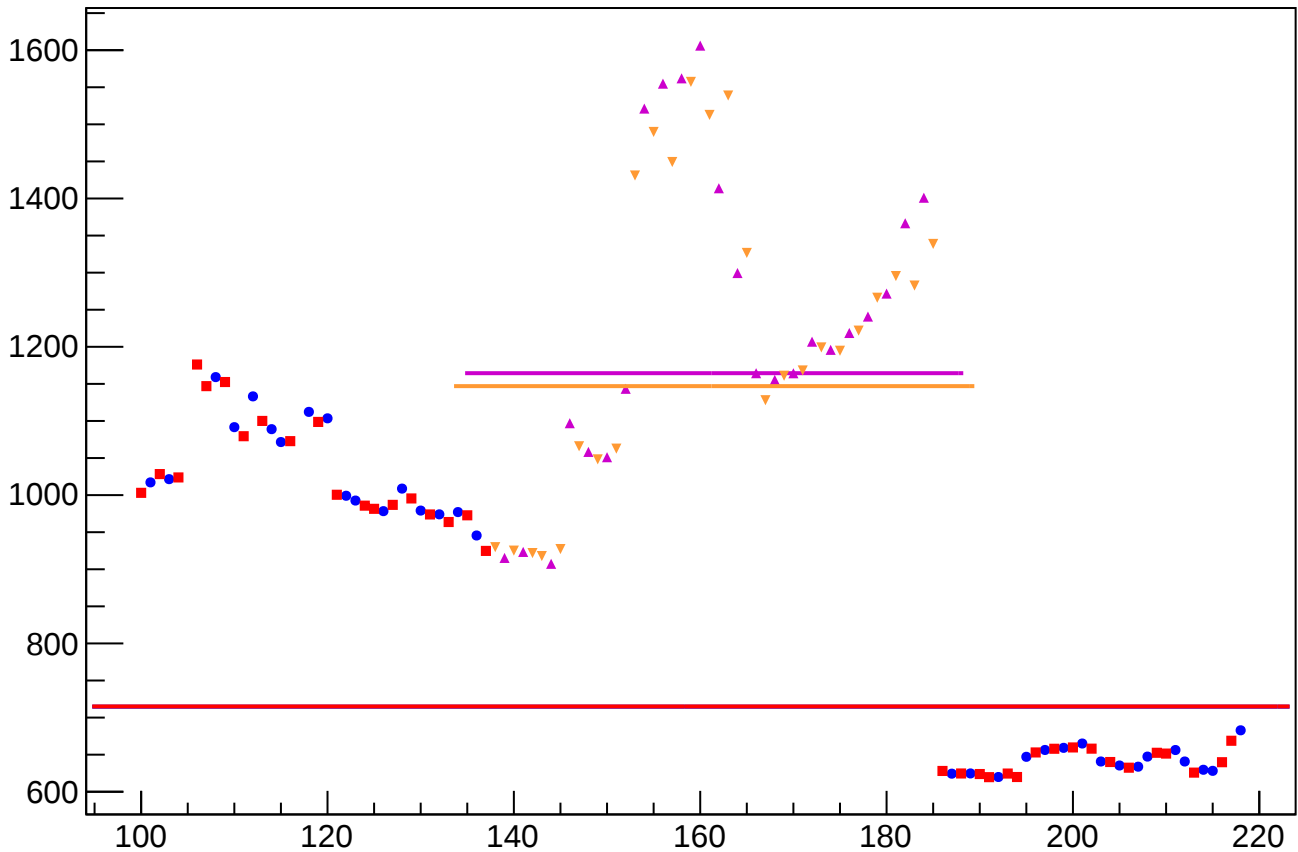
Left In: 0.566 ± 0.284 $\chi^2/\text{NDF}: 417.0/22$

+ sign 9.883 ± 0.145 $\chi^2/\text{NDF}: 2545.9/57$

All: 8.203 ± 0.102 $\chi^2/\text{NDF}: 18016.8/116$

- sign 6.511 ± 0.145 $\chi^2/\text{NDF}: 15200.3/58$

diff_bpm2i01Y_rms vs Slug



Right In: 714.732 $\pm$ 0.121 χ^2 /NDF: 1566549.4/32

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

Right Out: 715.006 $\pm$ 0.119 χ^2 /NDF: 1729402.7/35

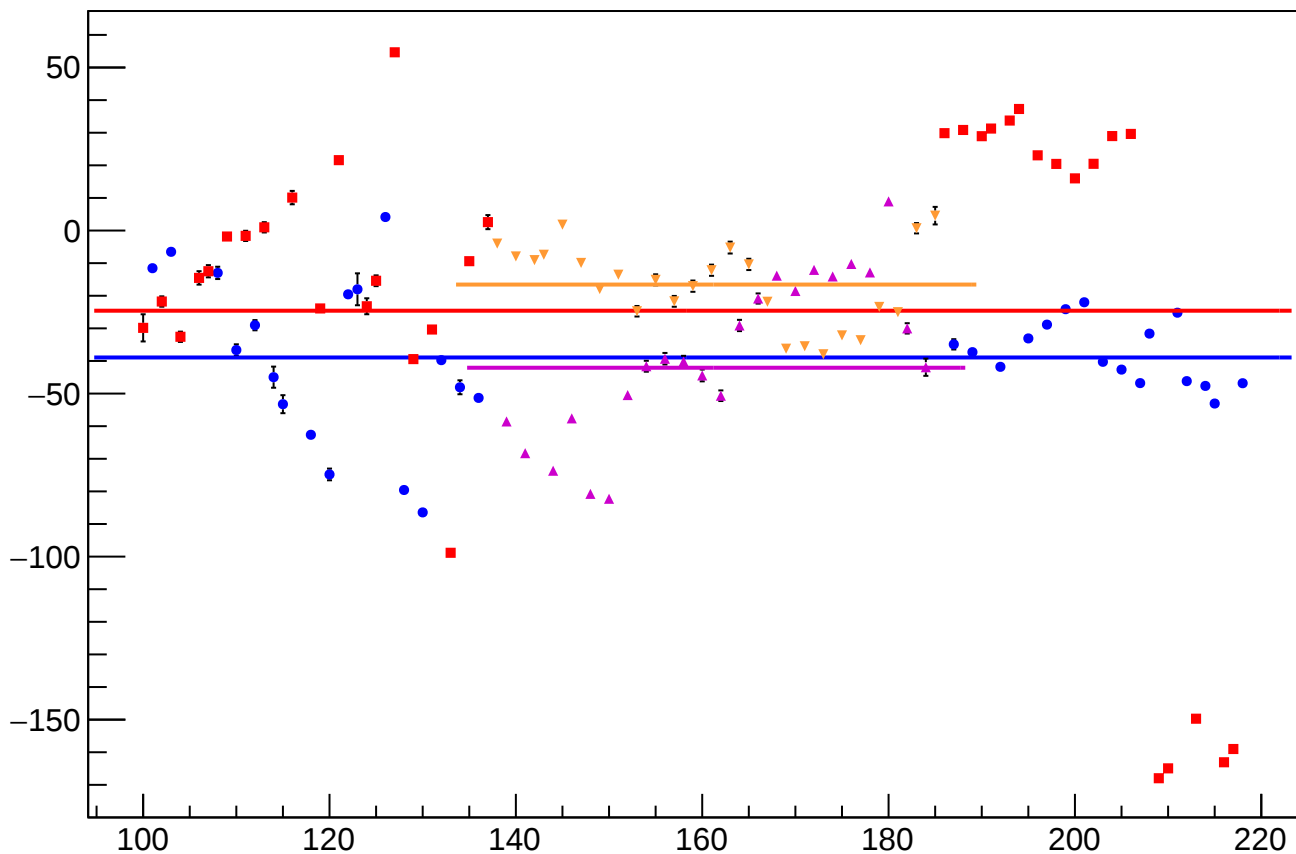
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF:944112.0/22

+ sign 837.347 $\pm$ 0.102 χ^2 /NDF: 6238684.5/57

All: 834.837 $\pm$ 0.072 χ^2 /NDF: 12611464.3/11

- sign 832.312 $\pm$ 0.103 χ^2 /NDF: 6371572.6/58

diff_bpm2i02X_mean vs Slug



Right In: -38.929 ± 0.169 χ^2/NDF : 7620.7/32

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

Right Out: -24.585 ± 0.167 χ^2/NDF : 221097.6/35

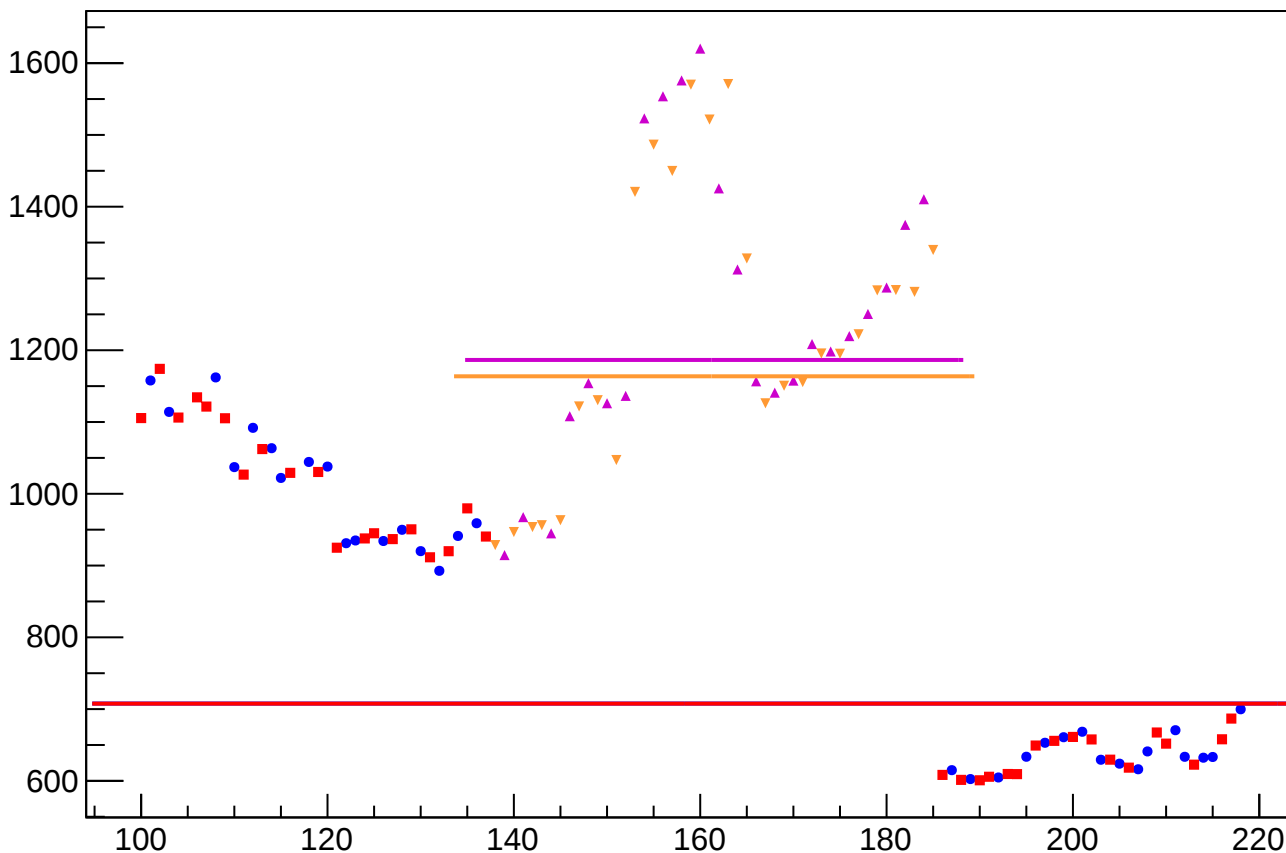
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

+ sign -32.796 ± 0.144 χ^2/NDF : 14341.6/57

All: -30.885 ± 0.102 χ^2/NDF : 246869.0/116

- sign -28.962 ± 0.145 χ^2/NDF : 232174.8/58

diff_bpm2i02X_rms vs Slug



Right In: 707.739 $\pm$ 0.120 χ^2 /NDF: 1551279.1/32

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

Right Out: 707.621 $\pm$ 0.118 χ^2 /NDF: 1703358.9/35

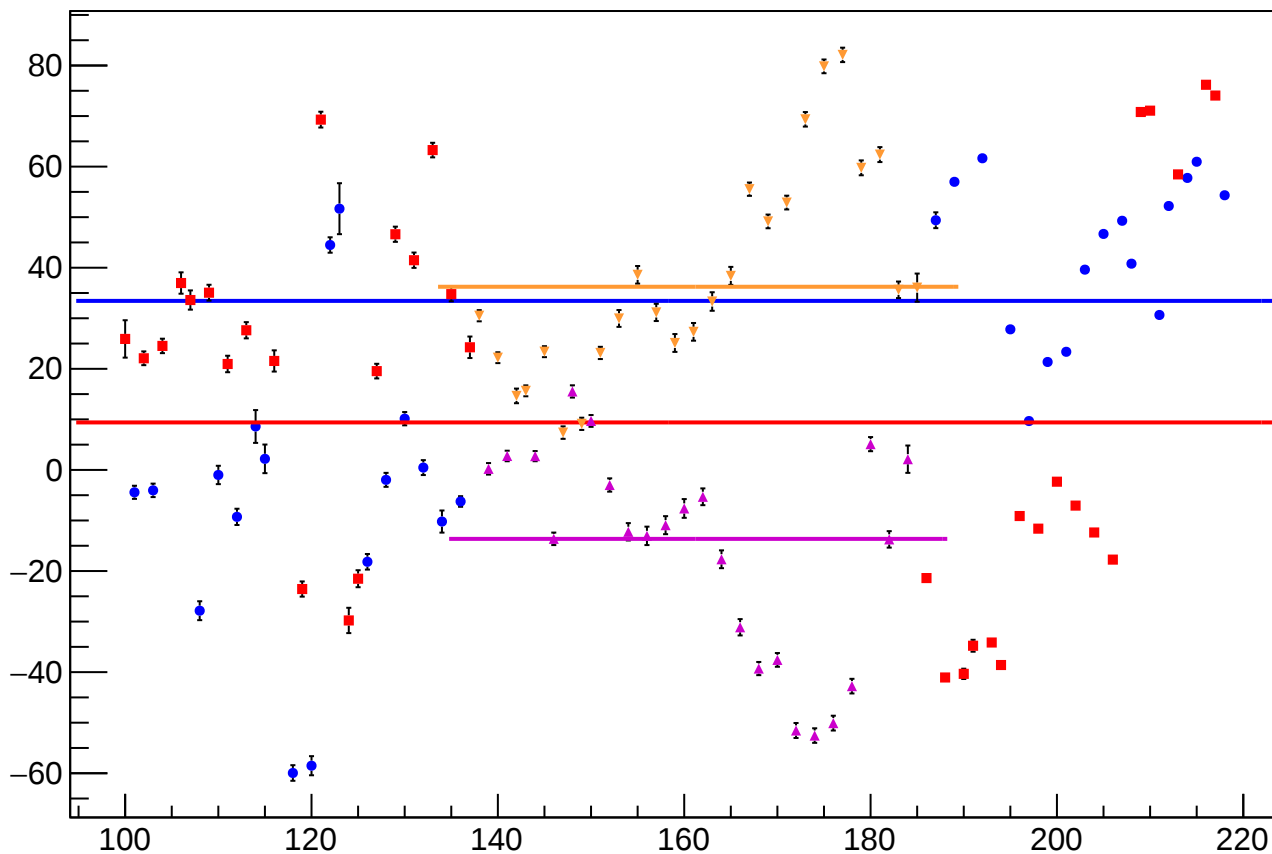
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF:833420.3/22

+ sign 832.789 $\pm$ 0.102 χ^2 /NDF: 6469908.5/57

All: 830.126 $\pm$ 0.072 χ^2 /NDF: 13122310.9/1

- sign 827.446 $\pm$ 0.102 χ^2 /NDF: 6651033.4/58

diff_bpm2i02Y_mean vs Slug



Right In: 33.439+/-0.167 χ^2/NDF : 24031.6/32

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

Right Out: 9.396+/-0.164 χ^2/NDF : 64770.5/35

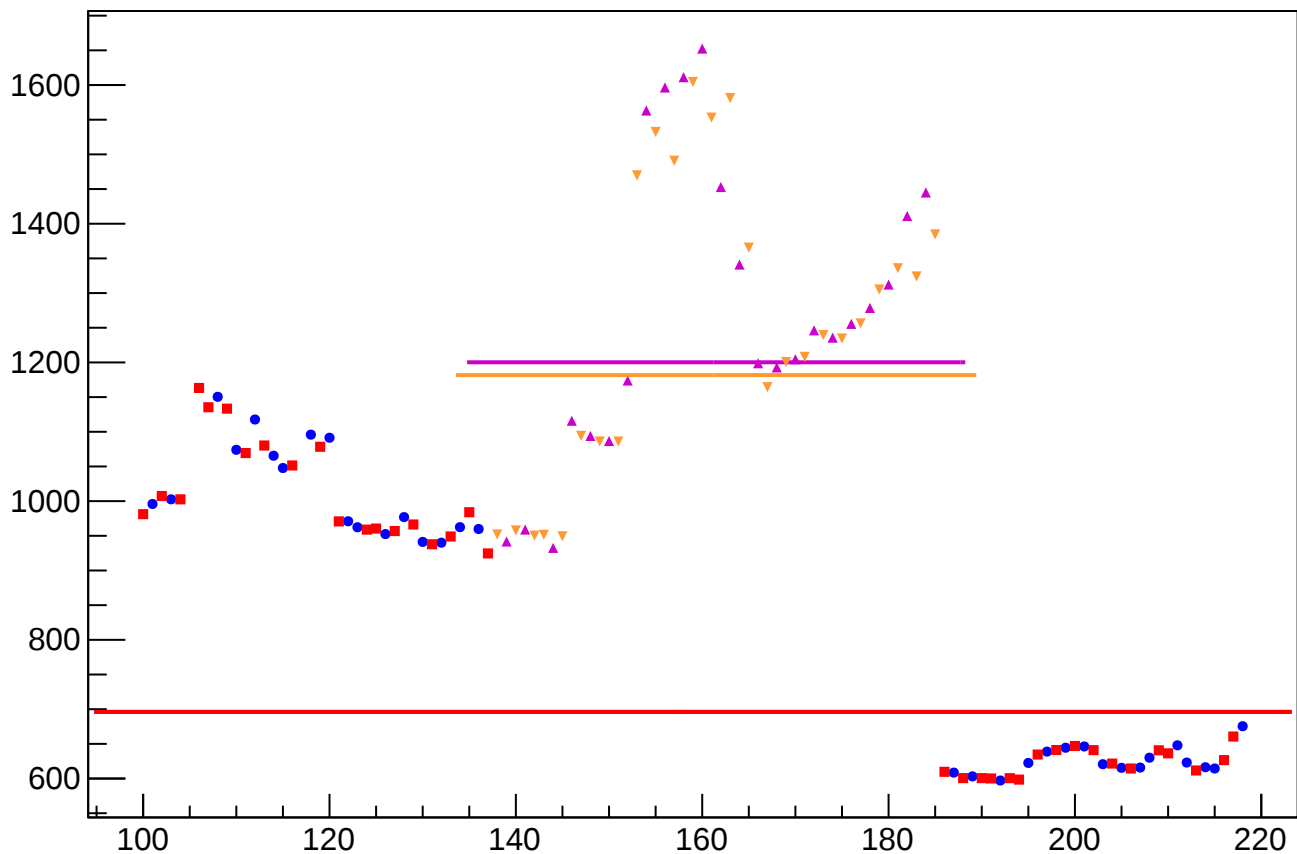
Left In: -13.640+/-0.293 χ^2/NDF : 5178.0/22

+ sign 34.170+/-0.143 χ^2/NDF : 29899.4/57

All: 19.046+/-0.101 χ^2/NDF : 126912.2/116

- sign 3.869+/-0.143 χ^2/NDF : 74653.2/58

diff_bpm2i02Y_rms vs Slug



Right In: 696.109 $\pm$ 0.118 χ^2 /NDF: 1628865.7/32

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

Right Out: 696.095 $\pm$ 0.116 χ^2 /NDF: 1796556.3/35

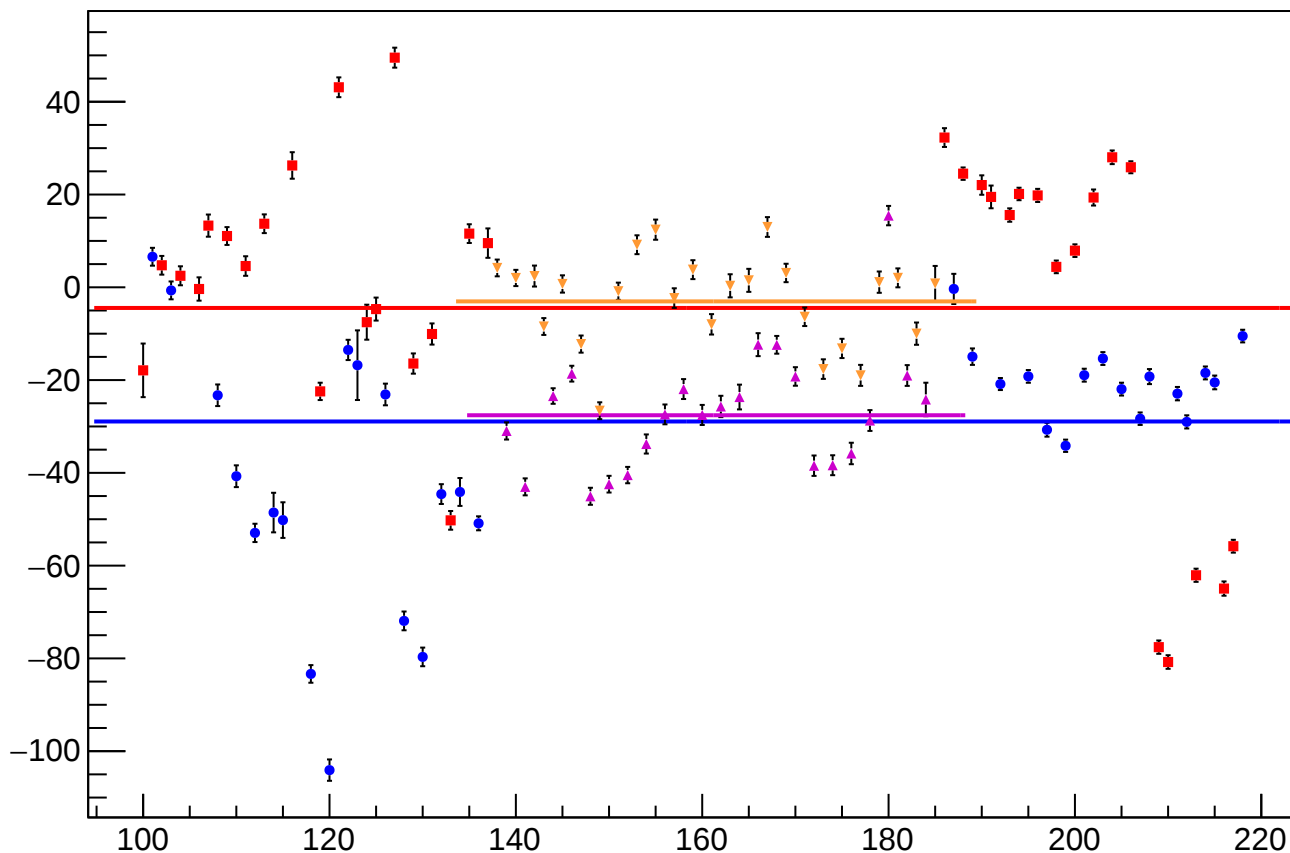
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF:938224.7/22

+ sign 823.177 $\pm$ 0.101 χ^2 /NDF: 7118301.5/57

All: 820.112 $\pm$ 0.072 χ^2 /NDF: 14361110.6/1

- sign 817.037 $\pm$ 0.101 χ^2 /NDF: 7240972.7/58

diff_bpm0i02X_mean vs Slug



Right In: -28.926 ± 0.302 $\chi^2/\text{NDF}: 4854.1/32$

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

Right Out: -4.451 ± 0.298 $\chi^2/\text{NDF}: 15308.9/35$

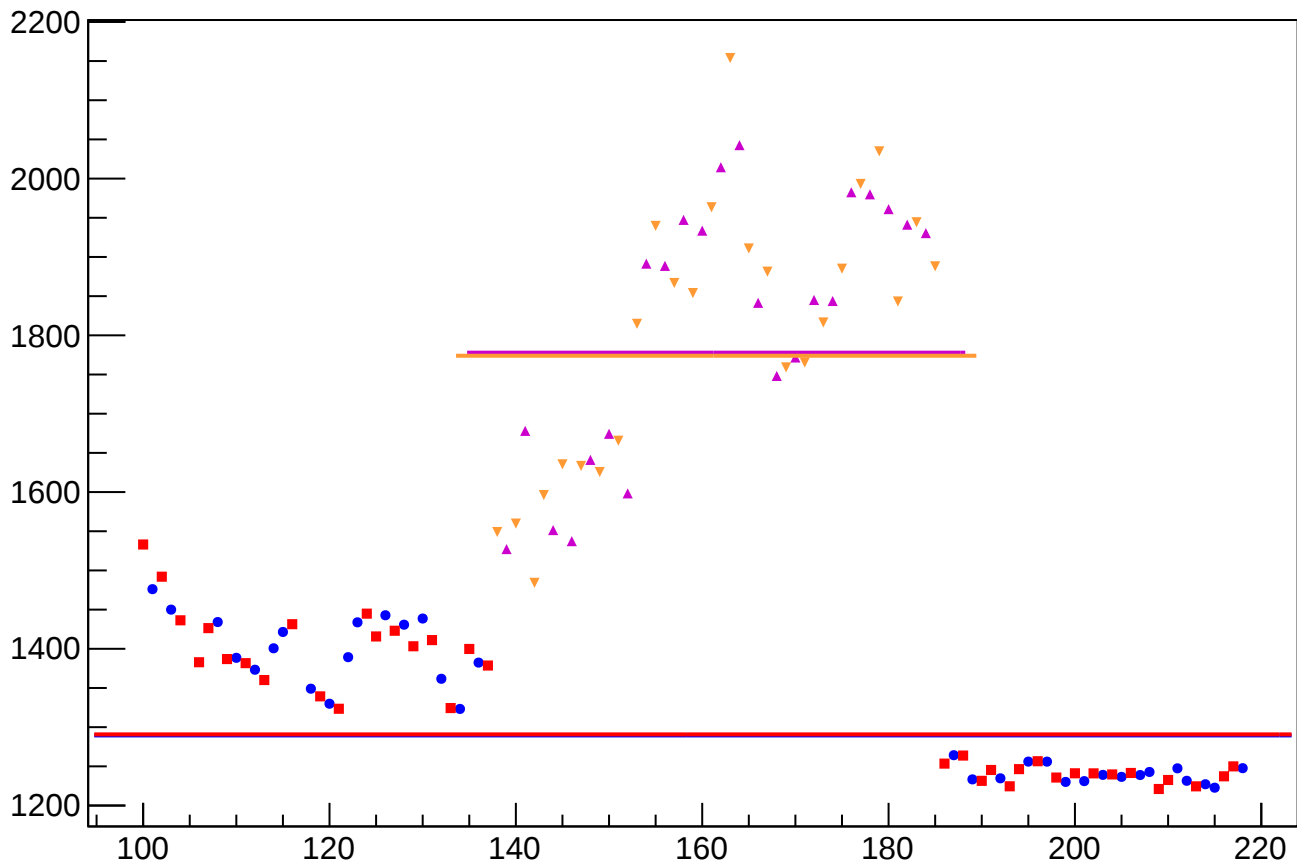
Left In: -27.583 ± 0.429 $\chi^2/\text{NDF}: 960.1/22$

+ sign -19.958 ± 0.244 $\chi^2/\text{NDF}: 7952.3/57$

All: -15.983 ± 0.173 $\chi^2/\text{NDF}: 26711.9/116$

- sign -11.988 ± 0.245 $\chi^2/\text{NDF}: 18228.7/58$

diff_bpm0i02X_rms vs Slug



Right In: 1289.466 $\pm$ 0.214 χ^2 /NDF: 138661.7/32

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

Right Out: 1290.793 $\pm$ 0.211 χ^2 /NDF: 135717.3/35

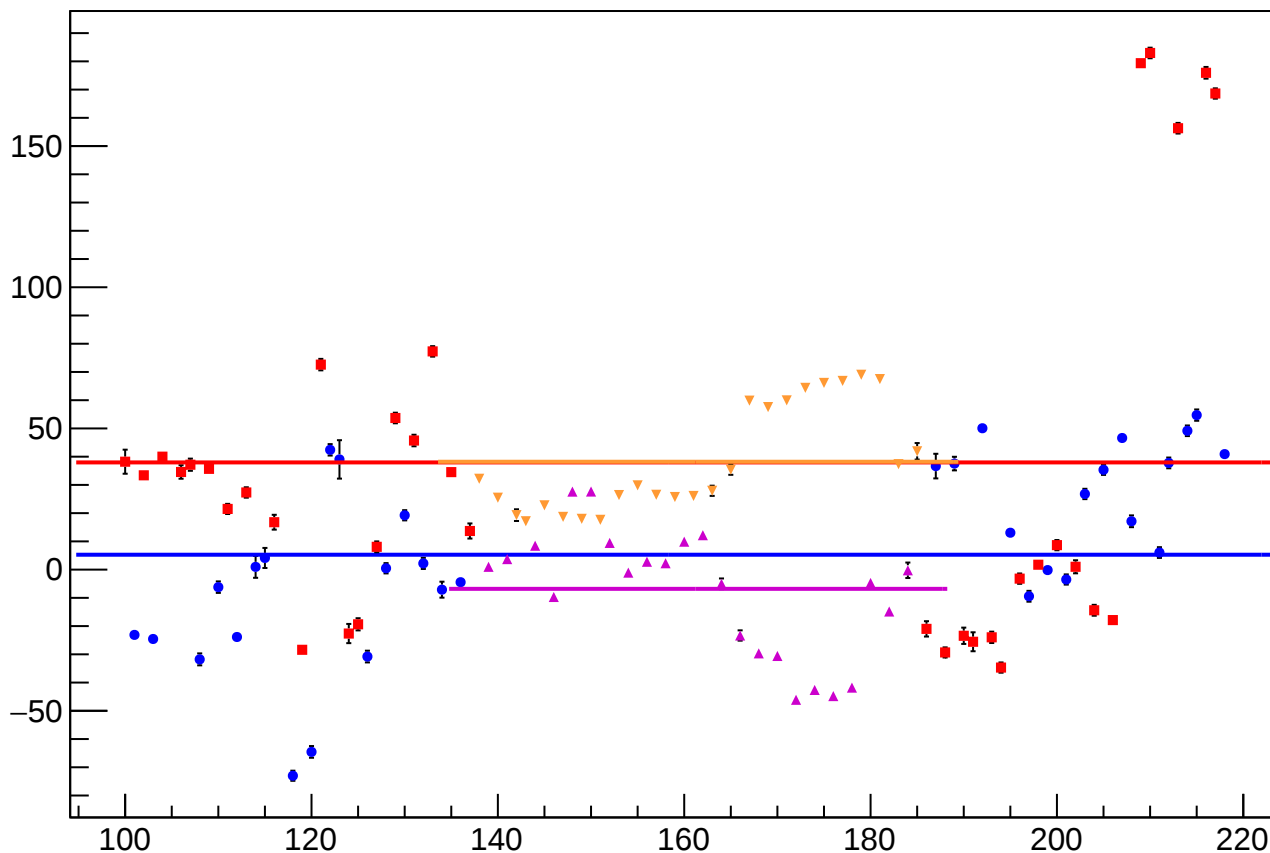
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

+ sign 1457.295 $\pm$ 0.173 χ^2 /NDF: 2232666.1/57

All: 1453.408 $\pm$ 0.122 χ^2 /NDF: 4406931.4/11

- sign 1449.502 $\pm$ 0.173 χ^2 /NDF: 2173250.3/58

diff_bpm0i02Y_mean vs Slug



Right In: 5.275 ± 0.337 $\chi^2/\text{NDF}: 9043.1/32$

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

Right Out: 37.965 ± 0.331 $\chi^2/\text{NDF}: 38500.8/35$

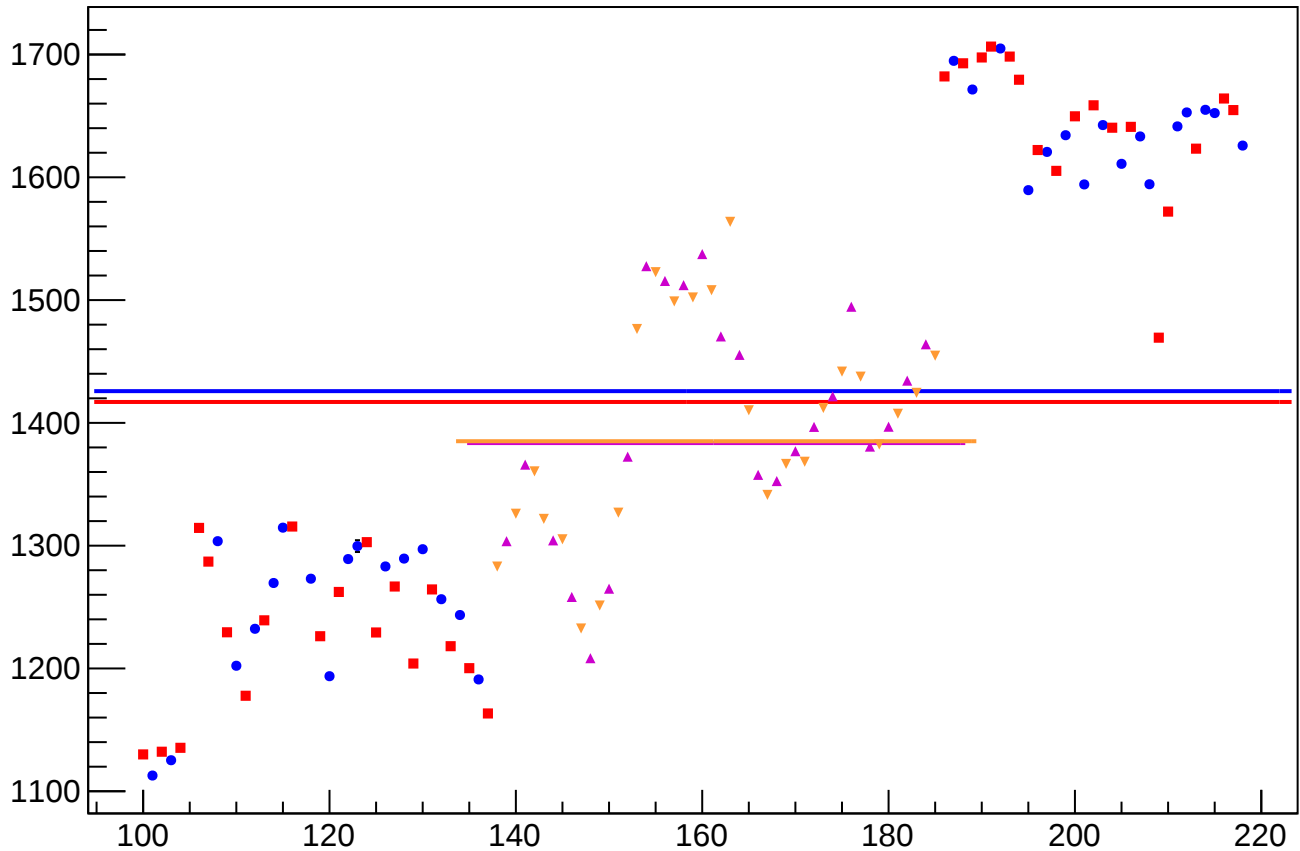
Left In: -6.808 ± 0.333 $\chi^2/\text{NDF}: 4494.5/22$

+ sign 22.433 ± 0.233 $\chi^2/\text{NDF}: 17524.5/57$

All: 19.103 ± 0.165 $\chi^2/\text{NDF}: 70033.4/116$

- sign 15.738 ± 0.235 $\chi^2/\text{NDF}: 52099.6/58$

diff_bpm0i02Y_rms vs Slug



Right In: 1425.848 $\pm$ 0.238 χ^2 /NDF: 786985.7/32

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

Right Out: 1417.028 $\pm$ 0.234 χ^2 /NDF: 853077.1/35

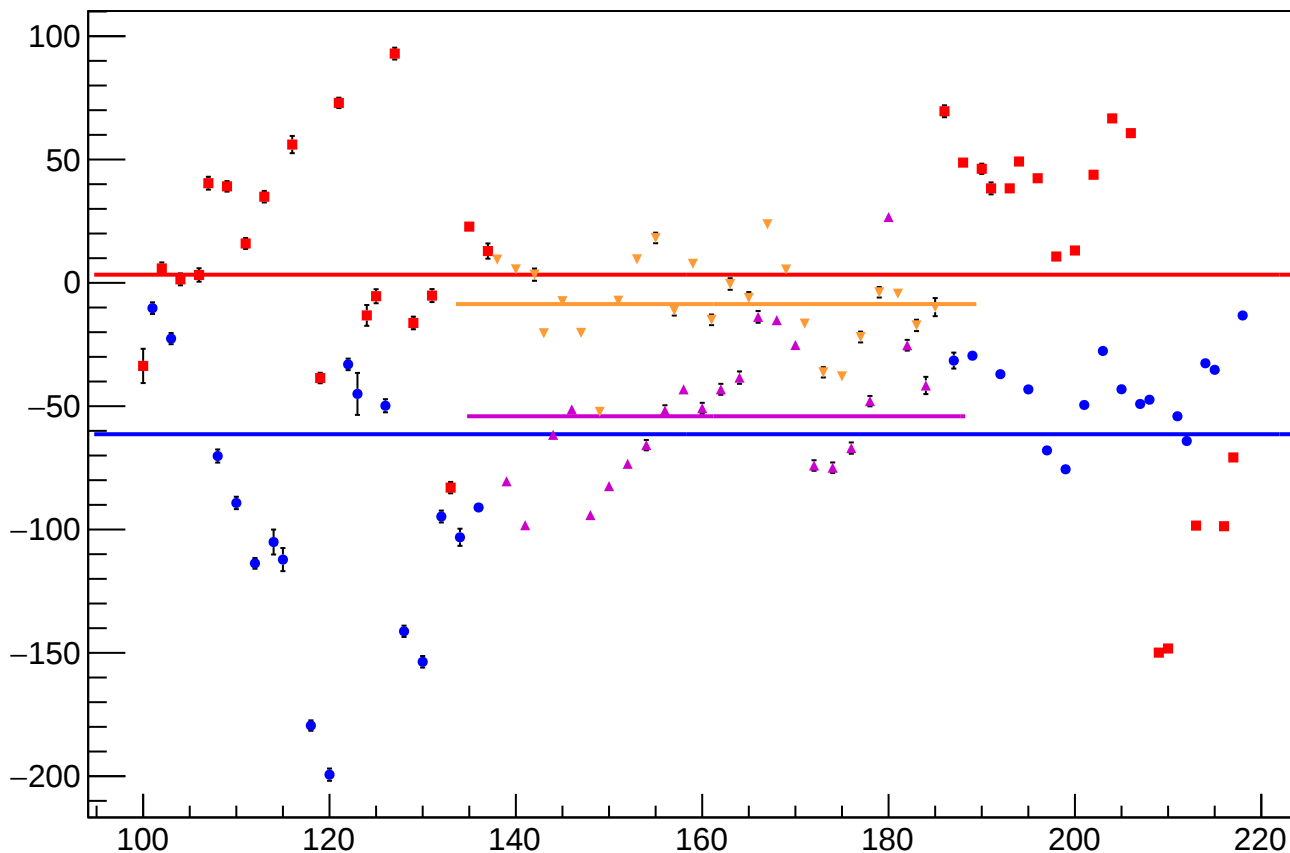
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF:154696.0/22

+ sign 1404.598 $\pm$ 0.165 χ^2 /NDF: 948224.6/57

All: 1402.515 $\pm$ 0.117 χ^2 /NDF: 1966493.1/11

- sign 1400.412 $\pm$ 0.166 χ^2 /NDF: 1017948.6/58

diff_bpm0i02aX_mean vs Slug



Right In: -61.365 ± 0.341 χ^2/NDF : 14748.4/32

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

Right Out: 3.313 ± 0.332 χ^2/NDF : 38508.7/35

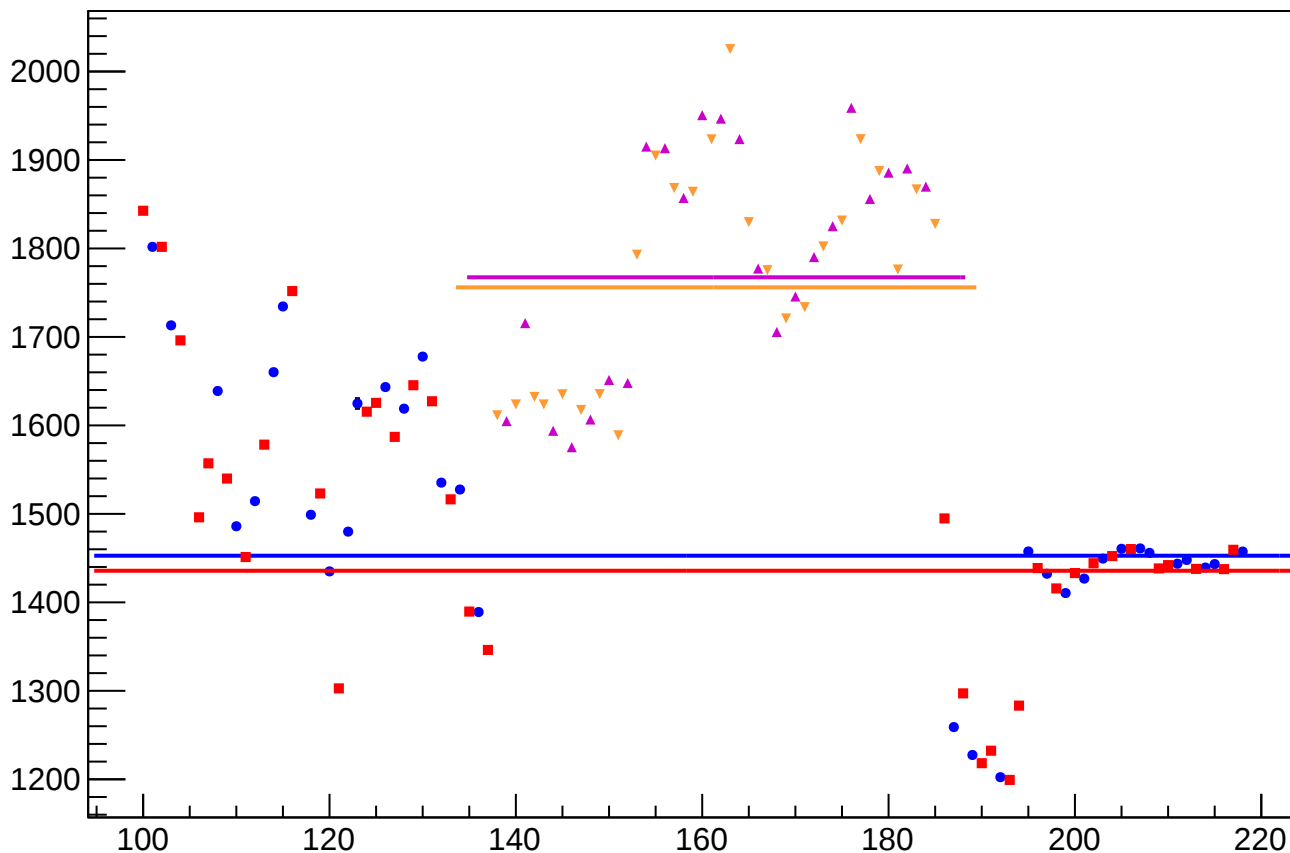
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

+ sign -39.801 ± 0.262 χ^2/NDF : 26459.3/57

All: -29.111 ± 0.185 χ^2/NDF : 84304.0/116

- sign -18.441 ± 0.262 χ^2/NDF : 54525.0/58

diff_bpm0i02aX_rms vs Slug



Right In: 1452.709 $\pm$ 0.241 χ^2 /NDF: 261893.5/32

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

Right Out: 1435.718 $\pm$ 0.235 χ^2 /NDF: 309256.2/35

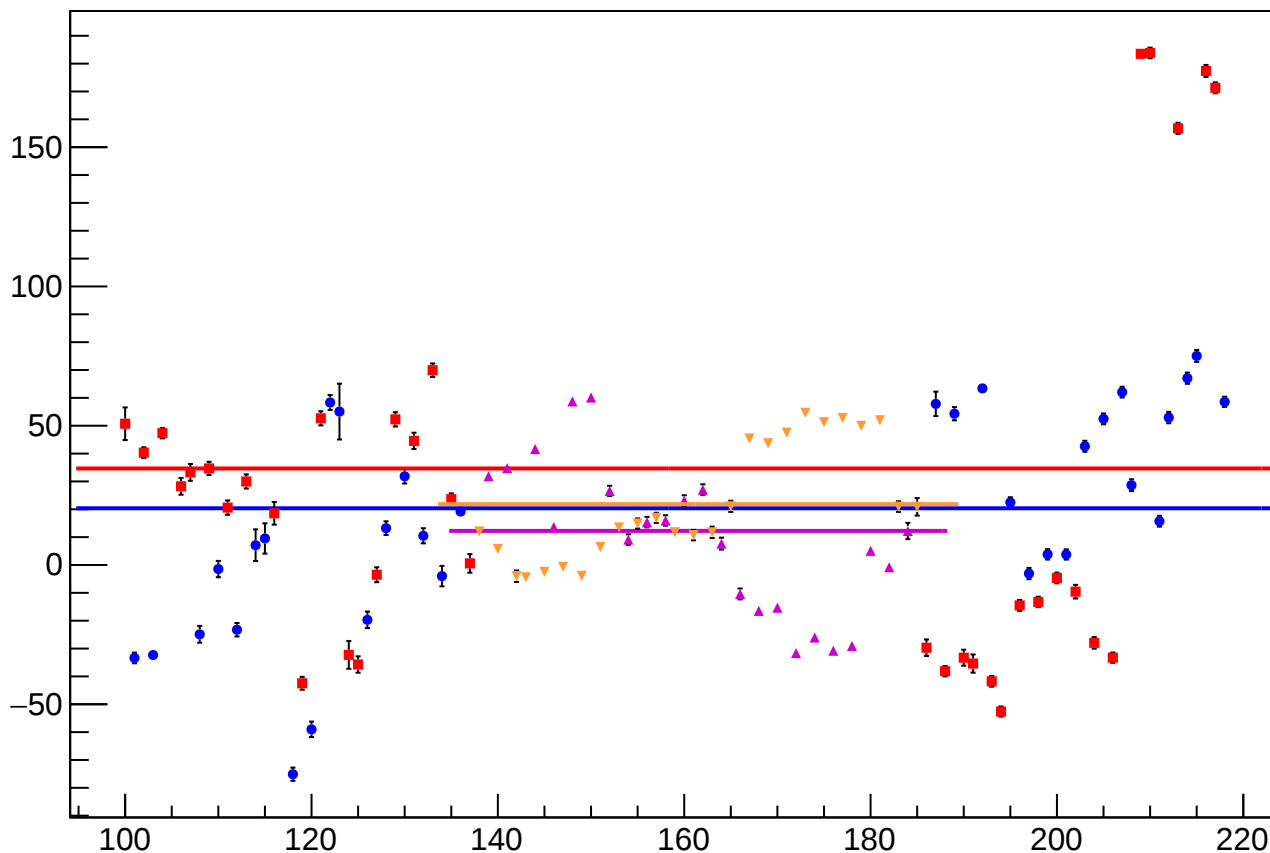
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF: 187958.2/22

+ sign 1576.684 $\pm$ 0.185 χ^2 /NDF: 1084211.3/57

All: 1569.046 $\pm$ 0.131 χ^2 /NDF: 2339092.2/11

- sign 1561.420 $\pm$ 0.185 χ^2 /NDF: 1251490.6/58

diff_bpm0i02aY_mean vs Slug



Right In: 20.363 $\pm$ 0.392 χ^2 /NDF: 9123.6/32

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

Right Out: 34.656 $\pm$ 0.383 χ^2 /NDF: 41110.8/35

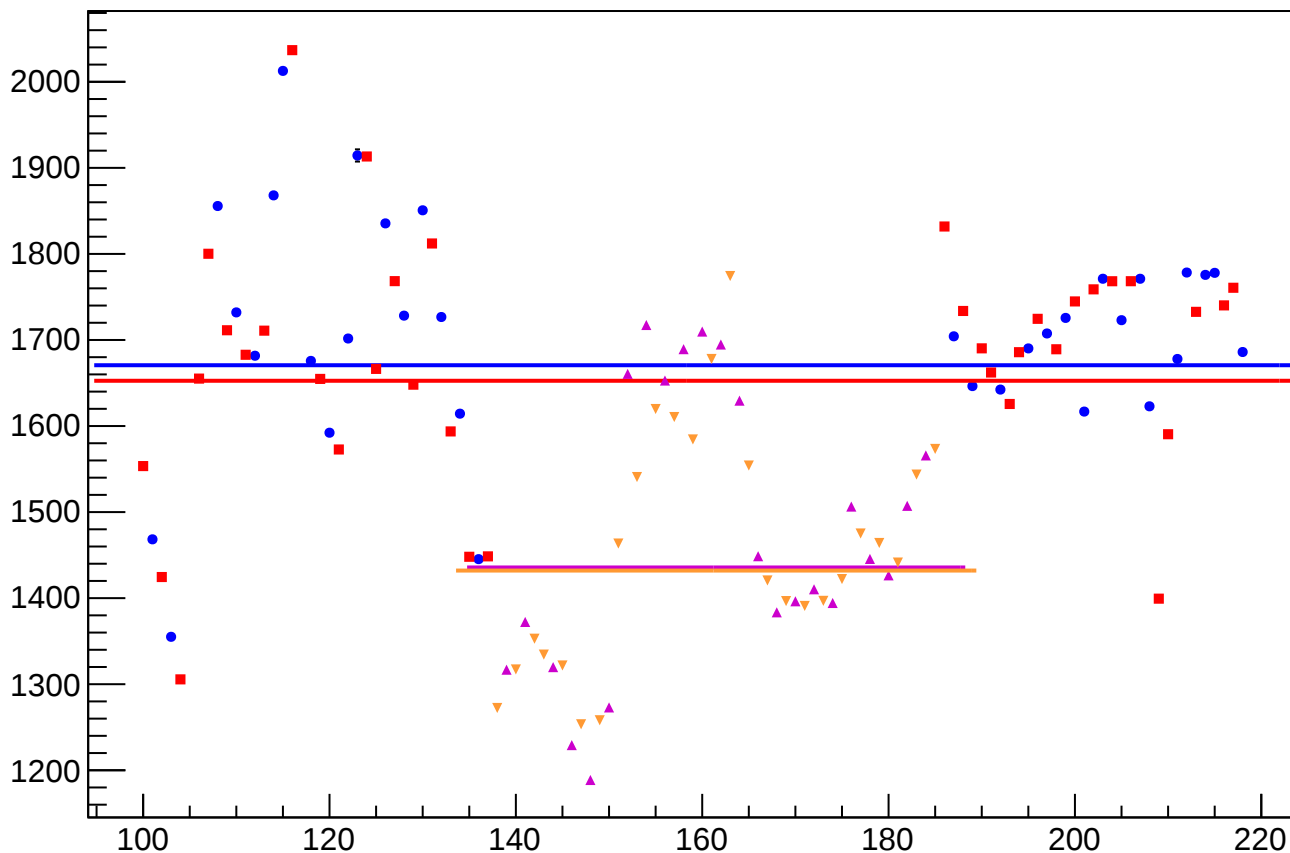
Left In: 12.246 $\pm$ 0.347 χ^2 /NDF: 6781.6/22

+ sign 21.226 $\pm$ 0.255 χ^2 /NDF: 13242.5/57

All: 21.785 $\pm$ 0.181 χ^2 /NDF: 63025.5/116

- sign 22.354 $\pm$ 0.257 χ^2 /NDF: 49773.3/58

diff_bpm0i02aY_rms vs Slug



Right In: 1670.659+/-0.277 χ^2/NDF : 198928.0/32

Left Out: 1432.060+/-0.237 χ^2/NDF : 297360.3/24

Right Out: 1652.599+/-0.271 χ^2/NDF : 268829.6/35

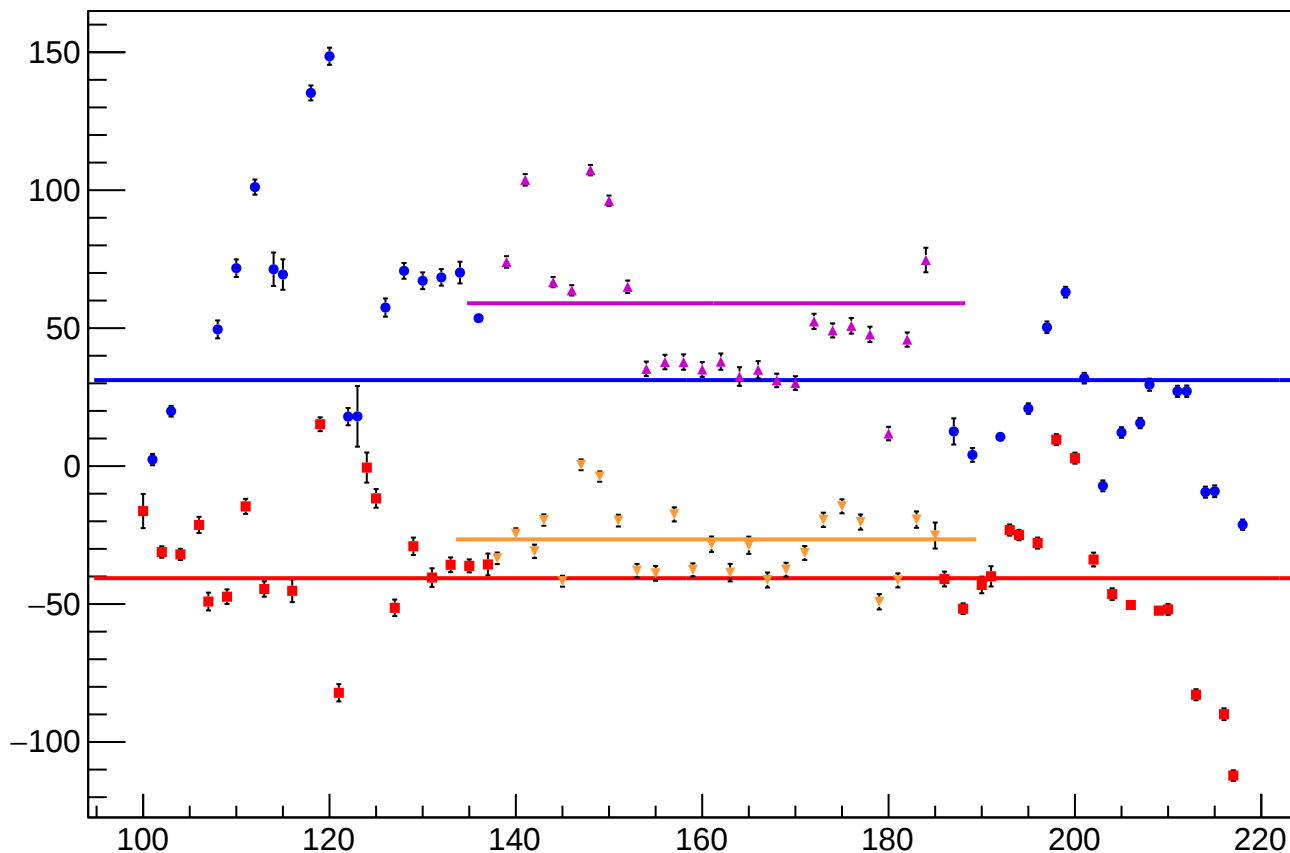
Left In: 1435.645+/-0.245 χ^2/NDF : 420835.0/22

+ sign 1532.748+/-0.180 χ^2/NDF : 923617.7/57

All: 1533.123+/-0.128 χ^2/NDF : 1965833.1/11

- sign 1533.505+/-0.182 χ^2/NDF : 1042206.6/58

diff_bpm0i05X_mean vs Slug



Right In: 31.161 ± 0.414 χ^2/NDF : 7625.8/32

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

Right Out: -40.626 ± 0.404 χ^2/NDF : 4905.8/35

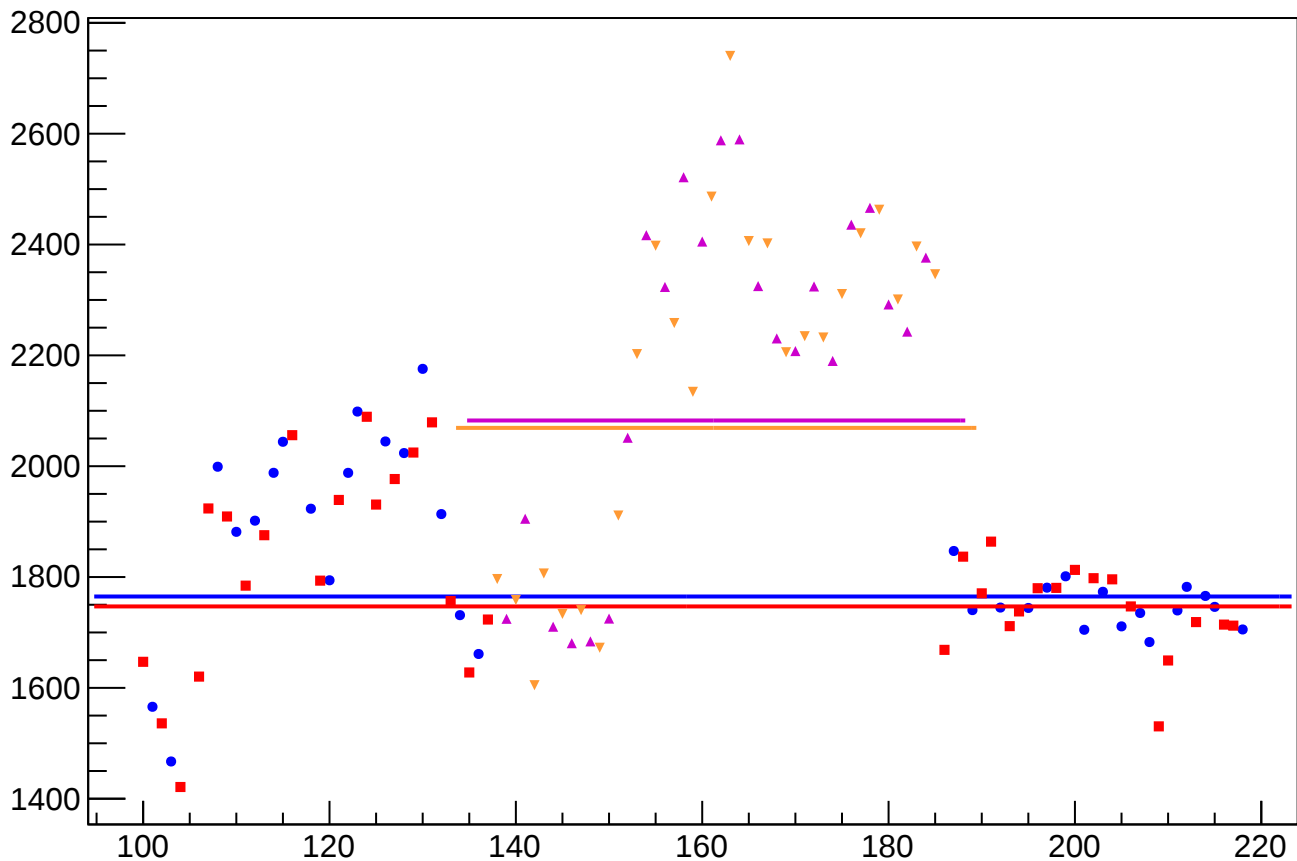
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

+ sign 6.975 ± 0.316 χ^2/NDF : 16473.8/57

All: 2.573 ± 0.223 χ^2/NDF : 48192.5/116

- sign -1.834 ± 0.316 χ^2/NDF : 31329.9/58

diff_bpm0i05X_rms vs Slug



Right In: 1764.884 $\pm$ 0.293 χ^2 /NDF: 200689.7/32

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

Right Out: 1746.962 $\pm$ 0.286 χ^2 /NDF: 229335.6/35

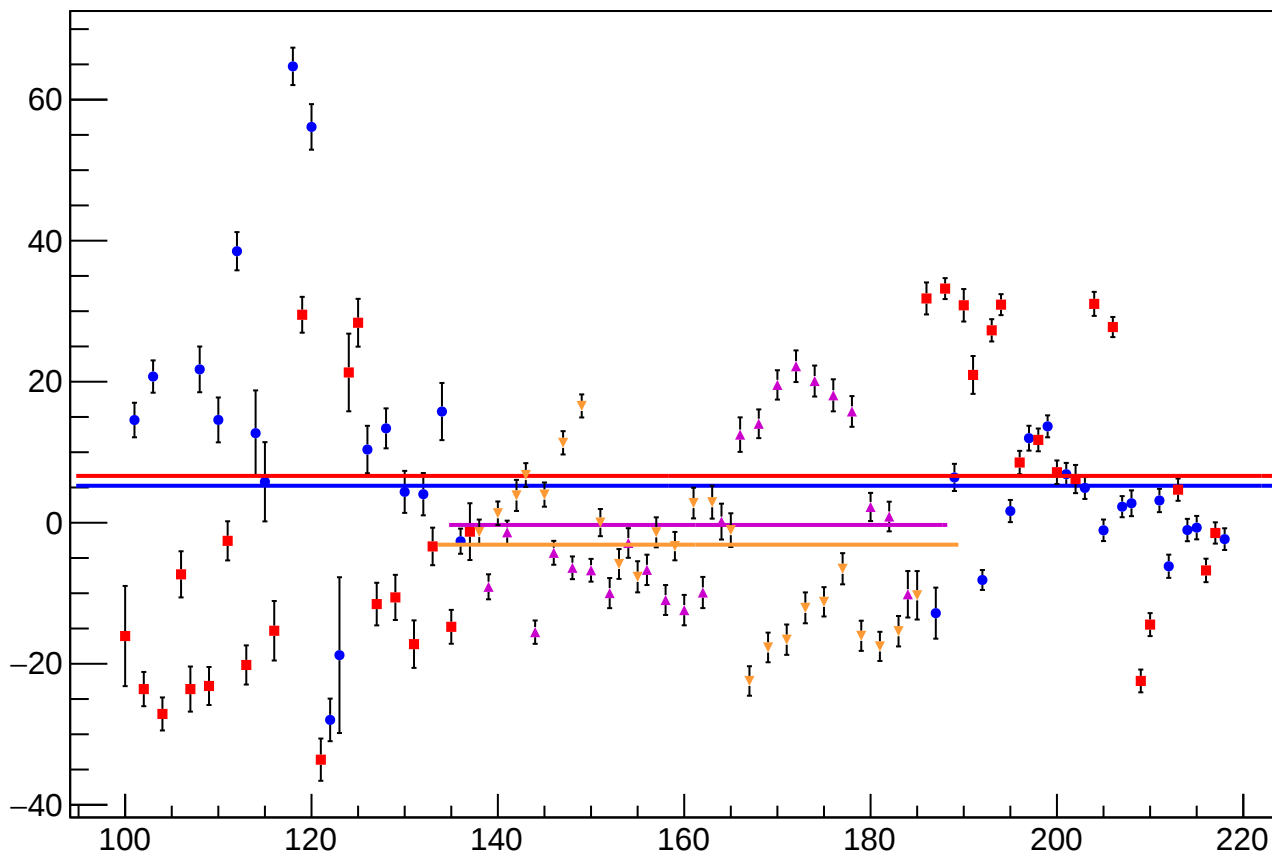
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1892.388 $\pm$ 0.223 χ^2 /NDF: 1451648.3/57

All: 1884.995 $\pm$ 0.158 χ^2 /NDF: 3004640.6/11

- sign 1877.593 $\pm$ 0.223 χ^2 /NDF: 1550798.8/58

diff_bpm0i05Y_mean vs Slug



Right In: 5.244 ± 0.358 $\chi^2/\text{NDF}: 1450.8/32$

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

Right Out: 6.642 ± 0.352 $\chi^2/\text{NDF}: 3296.9/35$

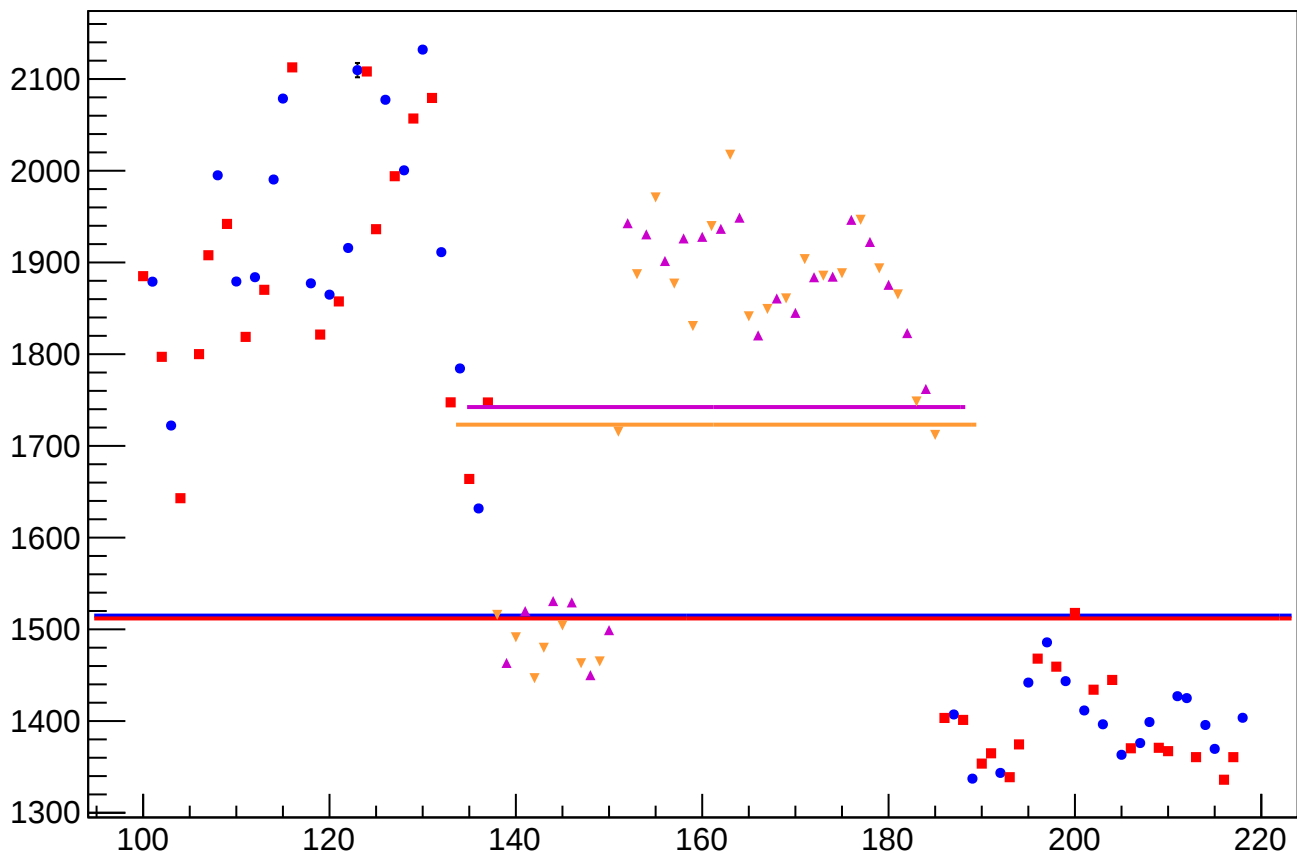
Left In: -0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

+ sign 1.569 ± 0.268 $\chi^2/\text{NDF}: 2333.9/57$

All: 2.665 ± 0.190 $\chi^2/\text{NDF}: 6561.4/116$

- sign 3.778 ± 0.270 $\chi^2/\text{NDF}: 4193.8/58$

diff_bpm0i05Y_rms vs Slug



Right In: 1514.964 $\pm$ 0.253 χ^2 /NDF: 725813.1/32

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

Right Out: 1511.846 $\pm$ 0.249 χ^2 /NDF: 735369.8/35

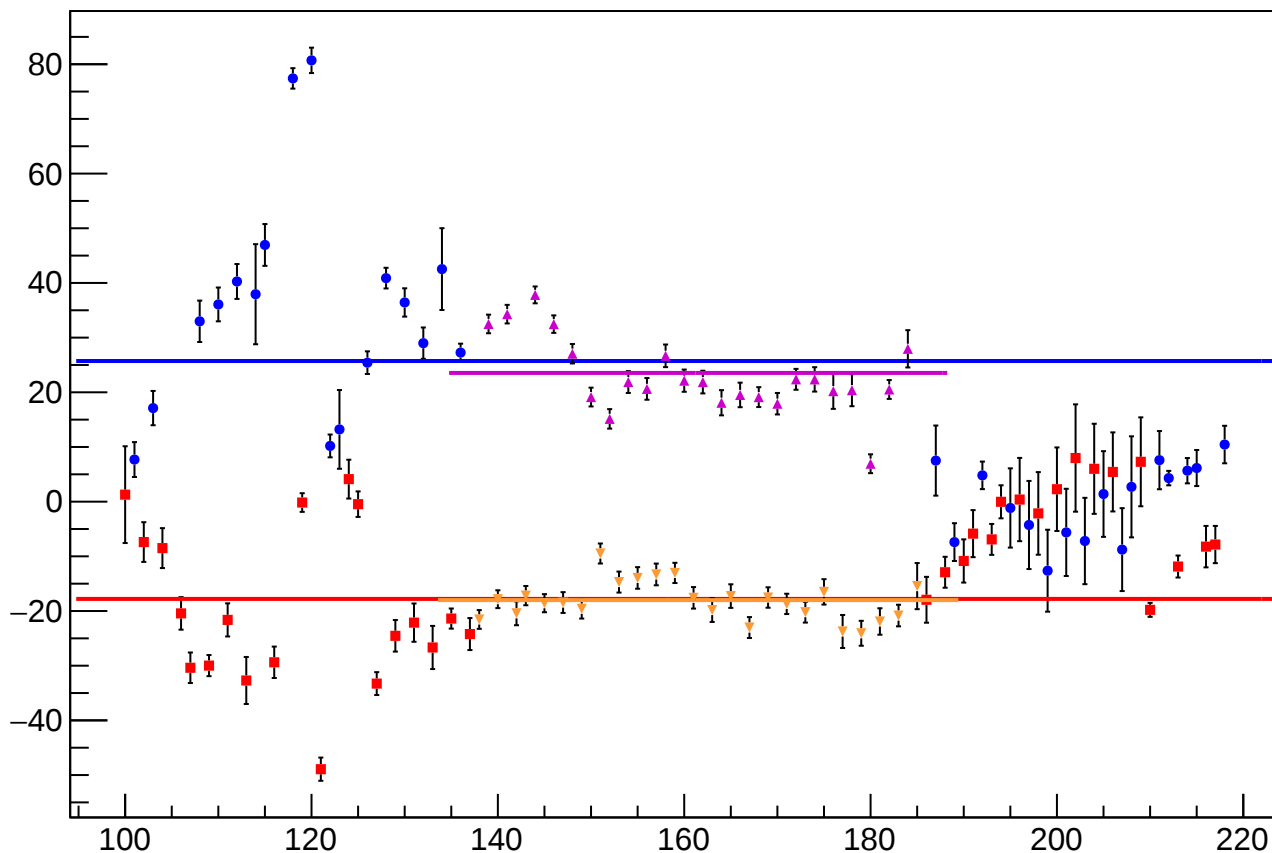
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF:435841.5/22

+ sign 1606.544 $\pm$ 0.190 χ^2 /NDF: 1500441.4/57

All: 1606.660 $\pm$ 0.135 χ^2 /NDF: 3024162.0/11

- sign 1606.779 $\pm$ 0.191 χ^2 /NDF: 1523719.8/58

diff_bpm0i07X_mean vs Slug



Right In: 25.725 ± 0.512 χ^2/NDF : 2275.5/32

Left Out: -18.007 ± 0.397 χ^2/NDF : 73.8/24

Right Out: -17.785 ± 0.479 χ^2/NDF : 742.1/35

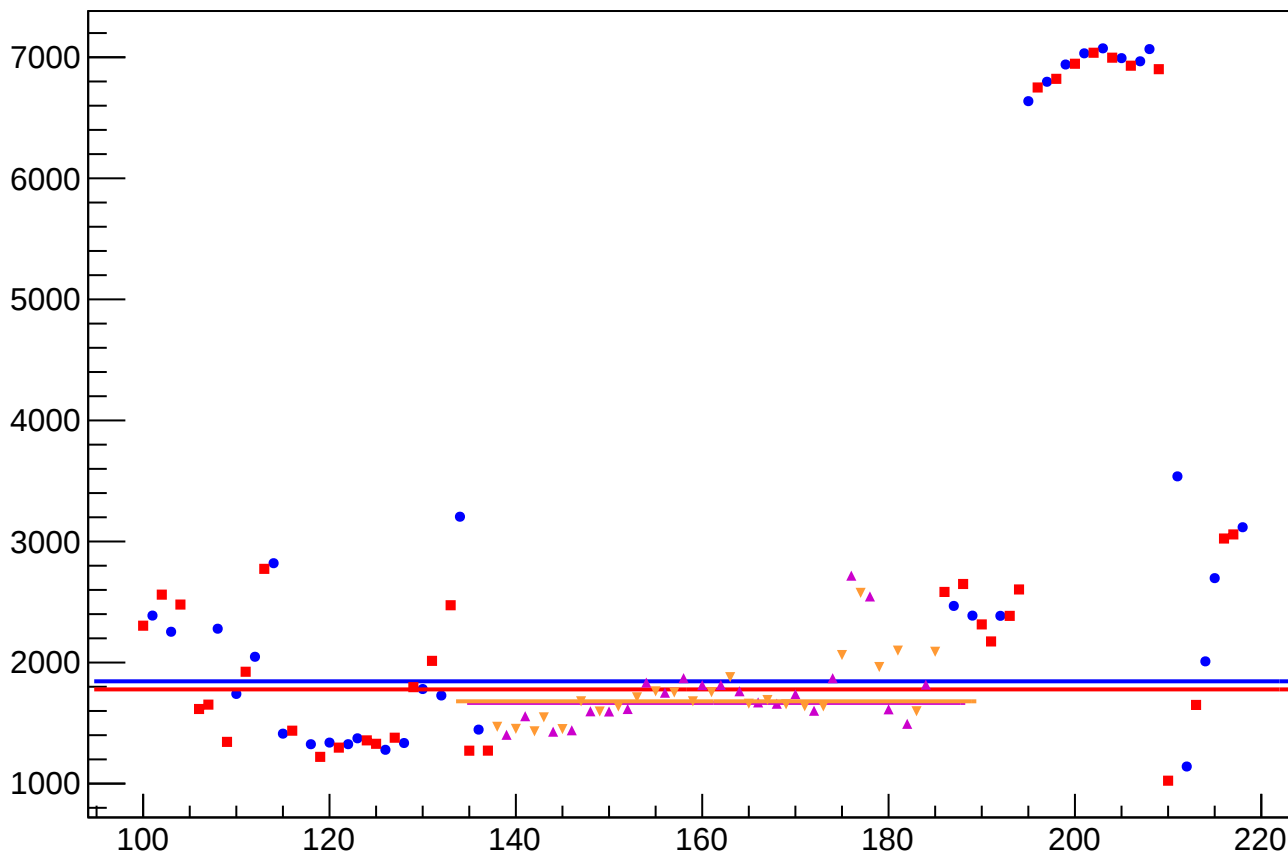
Left In: 23.544 ± 0.406 χ^2/NDF : 346.7/22

+ sign -1.597 ± 0.314 χ^2/NDF : 6909.7/57

All: 2.399 ± 0.220 χ^2/NDF : 12651.2/116

- sign 6.297 ± 0.310 χ^2/NDF : 5420.5/58

diff_bpm0i07X_rms vs Slug



Right In: 1845.010 $\pm$ 0.362 χ^2 /NDF: 9084376.5/32

Left Out: 1679.814 $\pm$ 0.281 χ^2 /NDF: 522795.6/24

Right Out: 1778.170 $\pm$ 0.339 χ^2 /NDF: 8805502.5/35

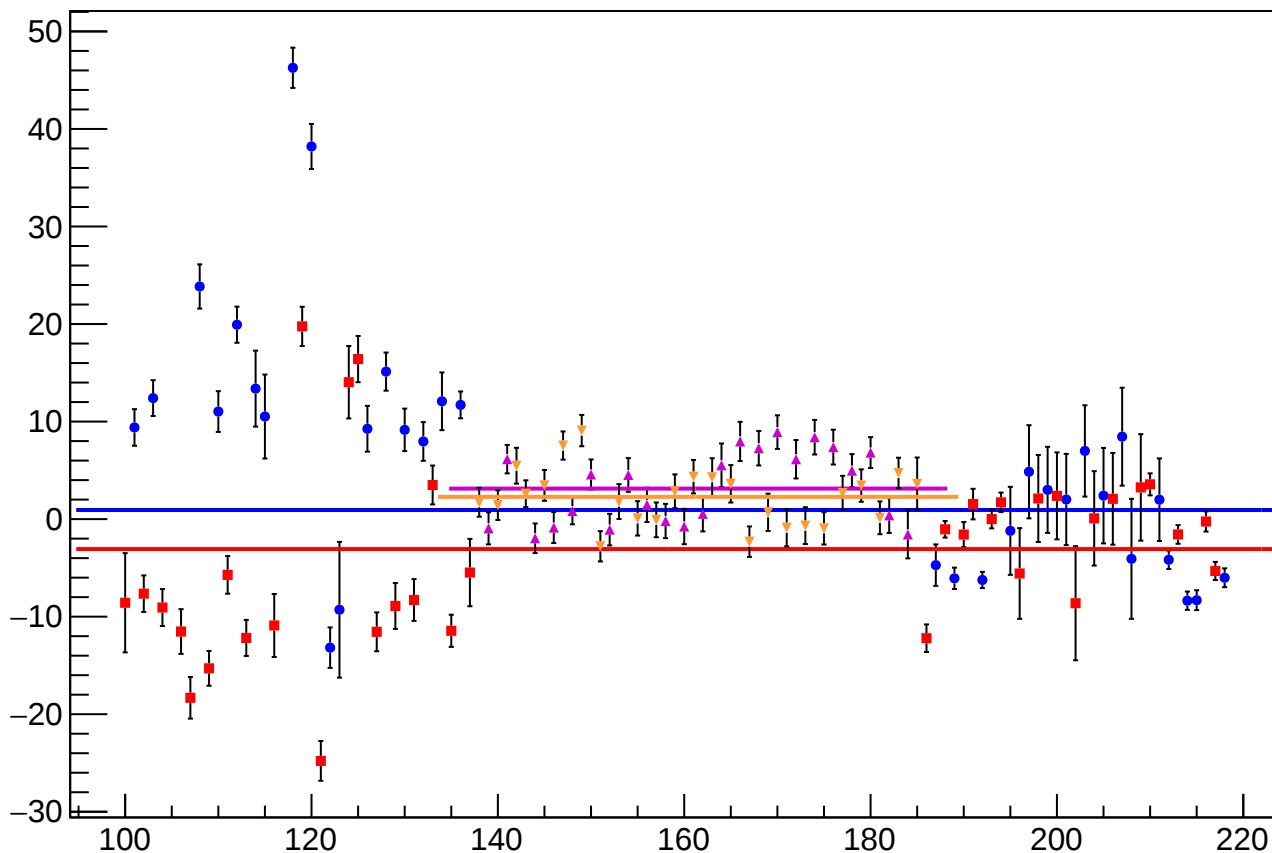
Left In: 1666.819 $\pm$ 0.287 χ^2 /NDF: 650990.8/22

+ sign 1741.801 $\pm$ 0.222 χ^2 /NDF: 9737316.5/57

All: 1727.366 $\pm$ 0.156 χ^2 /NDF: 19265071.6/100

- sign 1713.288 $\pm$ 0.219 χ^2 /NDF: 9519381.9/58

diff_bpm0i07Y_mean vs Slug



Right In: 0.938 ± 0.304 $\chi^2/\text{NDF}: 1653.8/32$

Left Out: 2.280 ± 0.338 $\chi^2/\text{NDF}: 75.6/24$

Right Out: -3.071 ± 0.274 $\chi^2/\text{NDF}: 707.6/35$

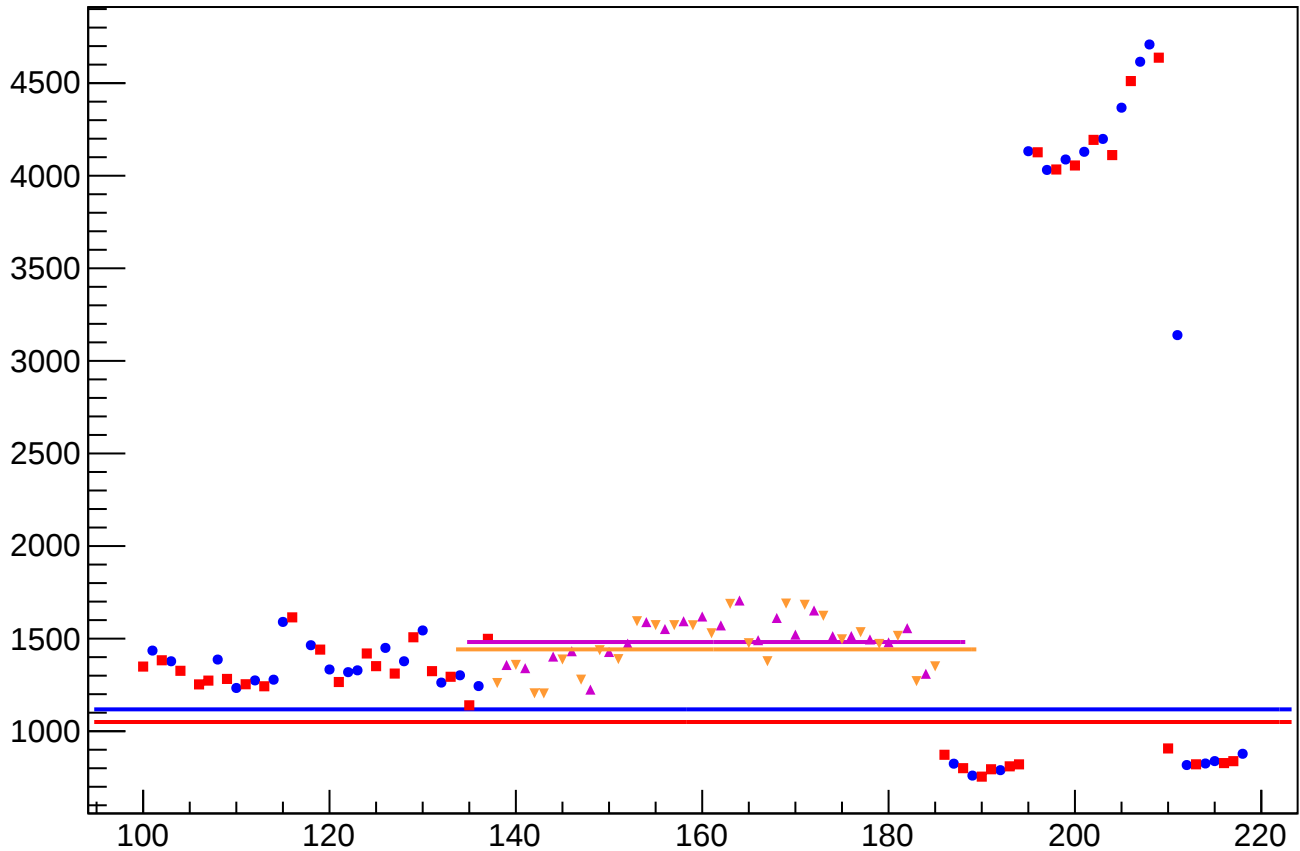
Left In: 3.129 ± 0.358 $\chi^2/\text{NDF}: 103.4/22$

+ sign 1.537 ± 0.226 $\chi^2/\text{NDF}: 1738.1/57$

All: 0.333 ± 0.157 $\chi^2/\text{NDF}: 2793.2/116$

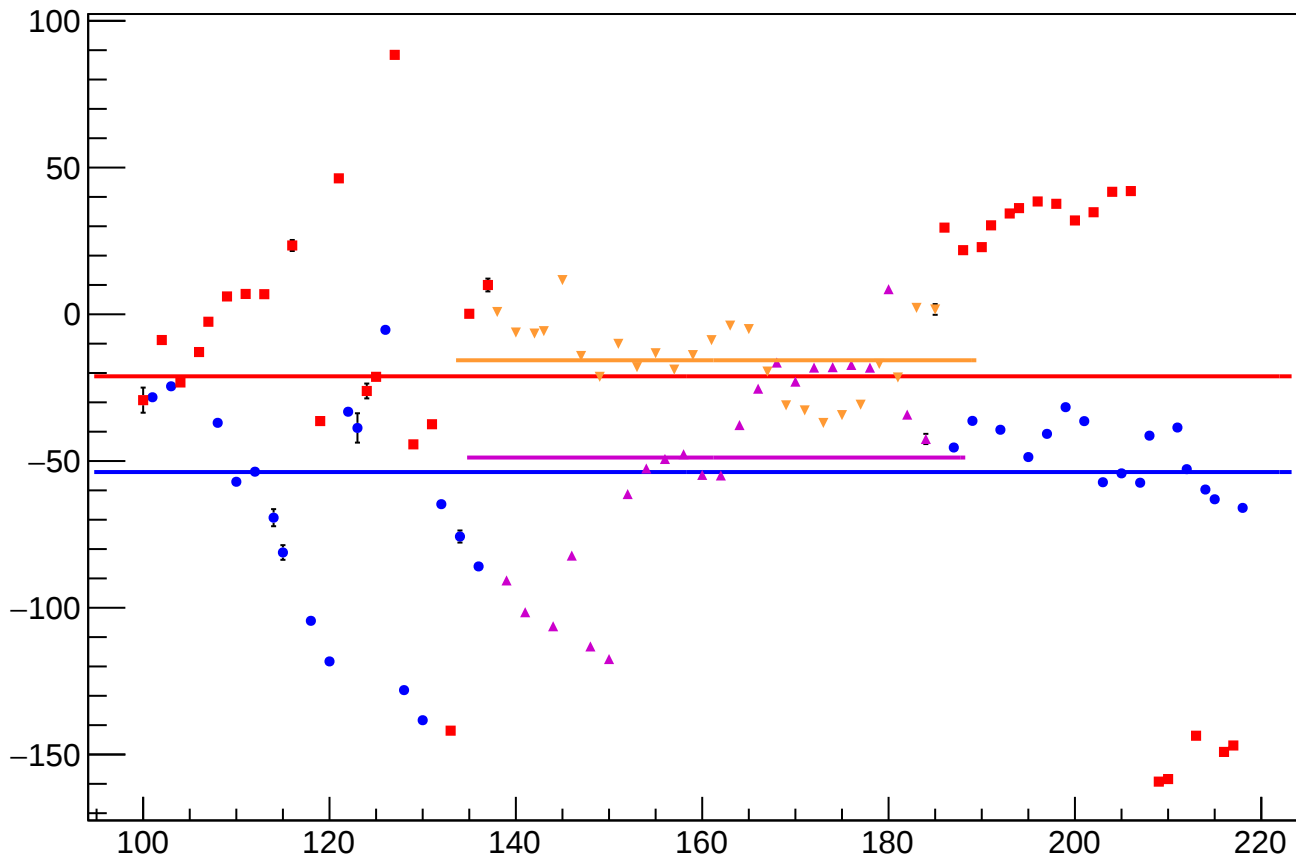
- sign -0.781 ± 0.217 $\chi^2/\text{NDF}: 1000.5/58$

diff_bpm0i07Y_rms vs Slug



Right In: 1118.005 ± 0.215 $\chi^2/\text{NDF}: 8913234.1/32$ + sign 1262.711 ± 0.160 $\chi^2/\text{NDF}: 10298877.8/57$
 Left Out: 1441.951 ± 0.239 $\chi^2/\text{NDF}: 370617.4/24$ All: 1234.961 ± 0.111 $\chi^2/\text{NDF}: 19998149.4/1$
 Right Out: 1049.740 ± 0.194 $\chi^2/\text{NDF}: 7592991.9/35$ - sign 1209.306 ± 0.154 $\chi^2/\text{NDF}: 9641276.1/58$
 Left In: 1481.695 ± 0.253 $\chi^2/\text{NDF}: 208470.6/22$

diff_bpm1i02X_mean vs Slug



Right In: -53.753 ± 0.167 χ^2/NDF : 18214.0/32

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

Right Out: -21.130 ± 0.165 χ^2/NDF : 233583.5/35

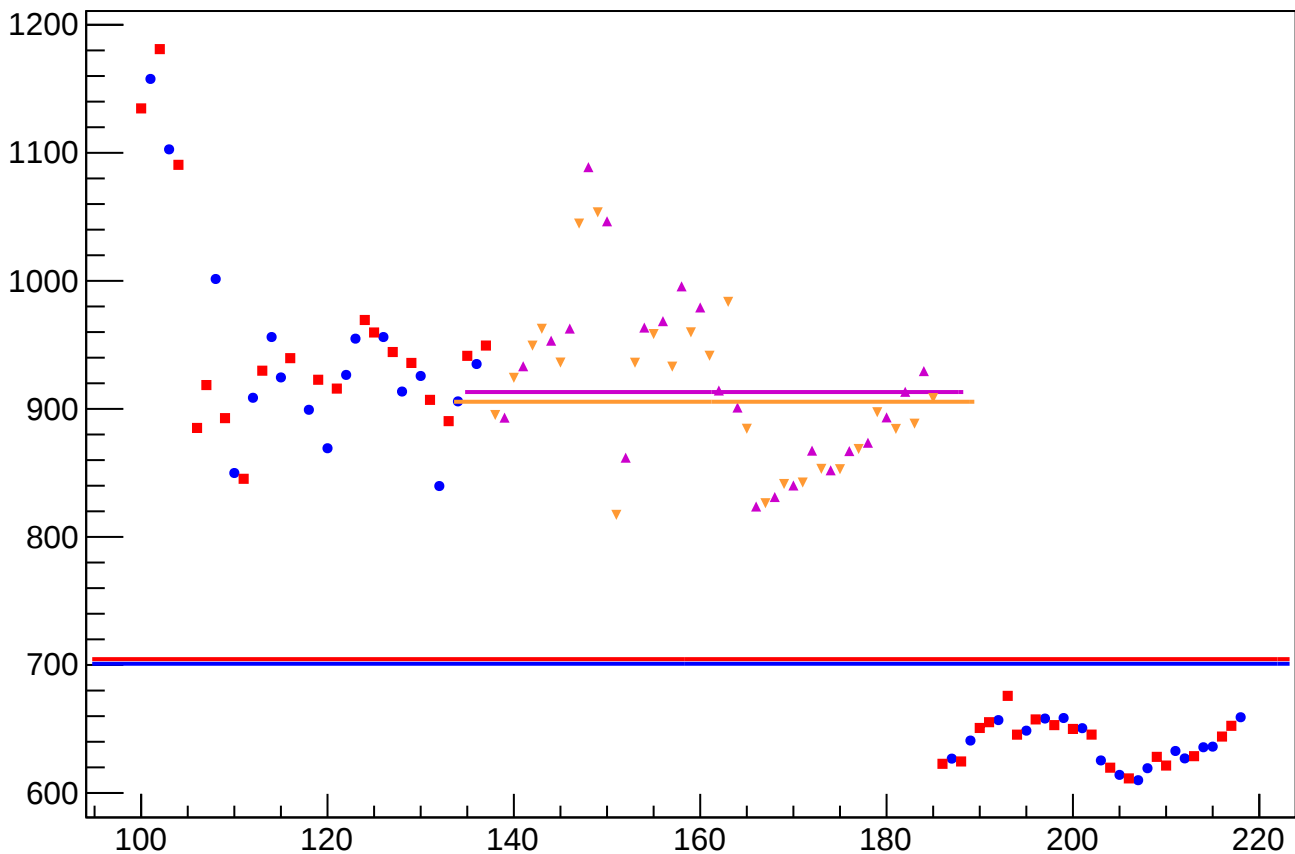
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -39.158 ± 0.131 χ^2/NDF : 41731.7/57

All: -35.174 ± 0.093 χ^2/NDF : 312574.1/116

- sign -31.120 ± 0.132 χ^2/NDF : 268974.8/58

diff_bpm1i02X_rms vs Slug



Right In: 700.941 $\pm$ 0.118 χ^2 /NDF: 1190572.4/32

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

Right Out: 704.544 $\pm$ 0.117 χ^2 /NDF: 1240194.9/35

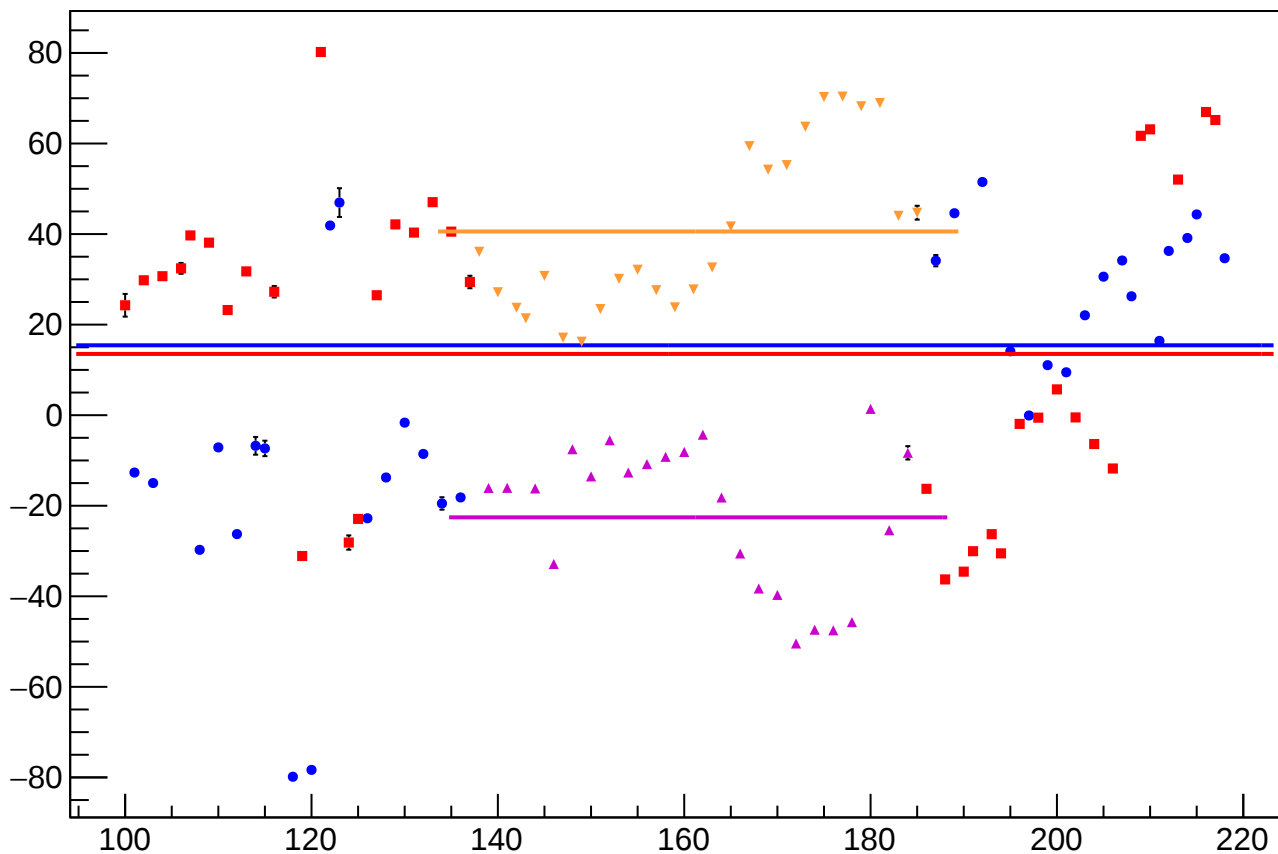
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF:174438.8/22

+ sign 779.360 $\pm$ 0.093 χ^2 /NDF: 2507320.1/57

All: 779.594 $\pm$ 0.066 χ^2 /NDF: 5072711.1/116

- sign 779.832 $\pm$ 0.093 χ^2 /NDF: 2565378.2/58

diff_bpm1i02Y_mean vs Slug



Right In: 15.434 $\pm$ 0.125 χ^2 /NDF: 49845.6/32

Left Out: 40.573 $\pm$ 0.168 χ^2 /NDF:12079.0/24

Right Out: 13.527 $\pm$ 0.123 χ^2 /NDF: 85112.6/35

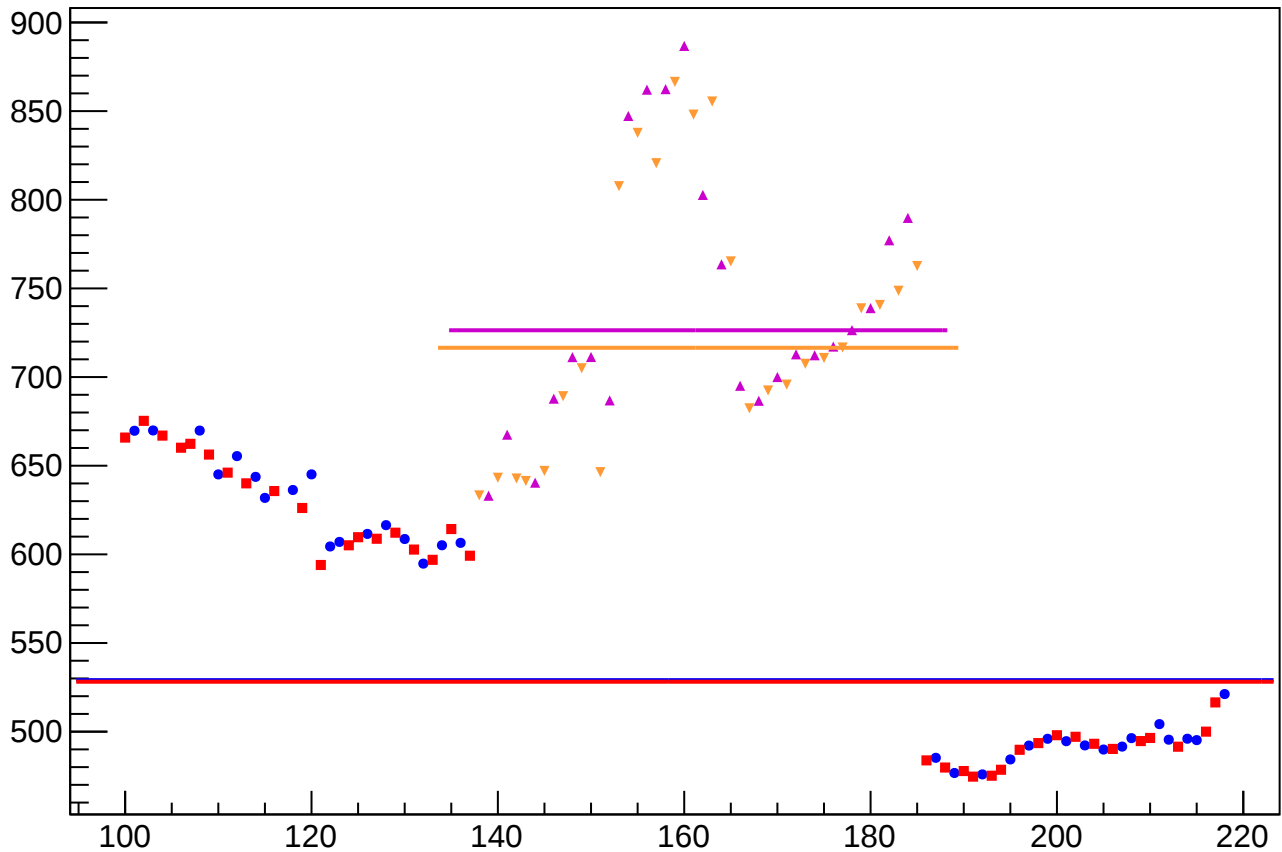
Left In: -22.565 $\pm$ 0.175 χ^2 /NDF:8167.7/22

+ sign 24.367 $\pm$ 0.100 χ^2 /NDF: 76387.1/57

All: 13.065 $\pm$ 0.071 χ^2 /NDF: 223762.1/116

- sign 1.662 $\pm$ 0.100 χ^2 /NDF: 121741.0/58

diff_bpm1i02Y_rms vs Slug



Right In: 529.071+/-0.088 χ^2/NDF : 499580.7/32

Left Out: 716.515+/-0.119 χ^2/NDF : 342740.2/24

Right Out: 528.163+/-0.087 χ^2/NDF : 540859.4/35

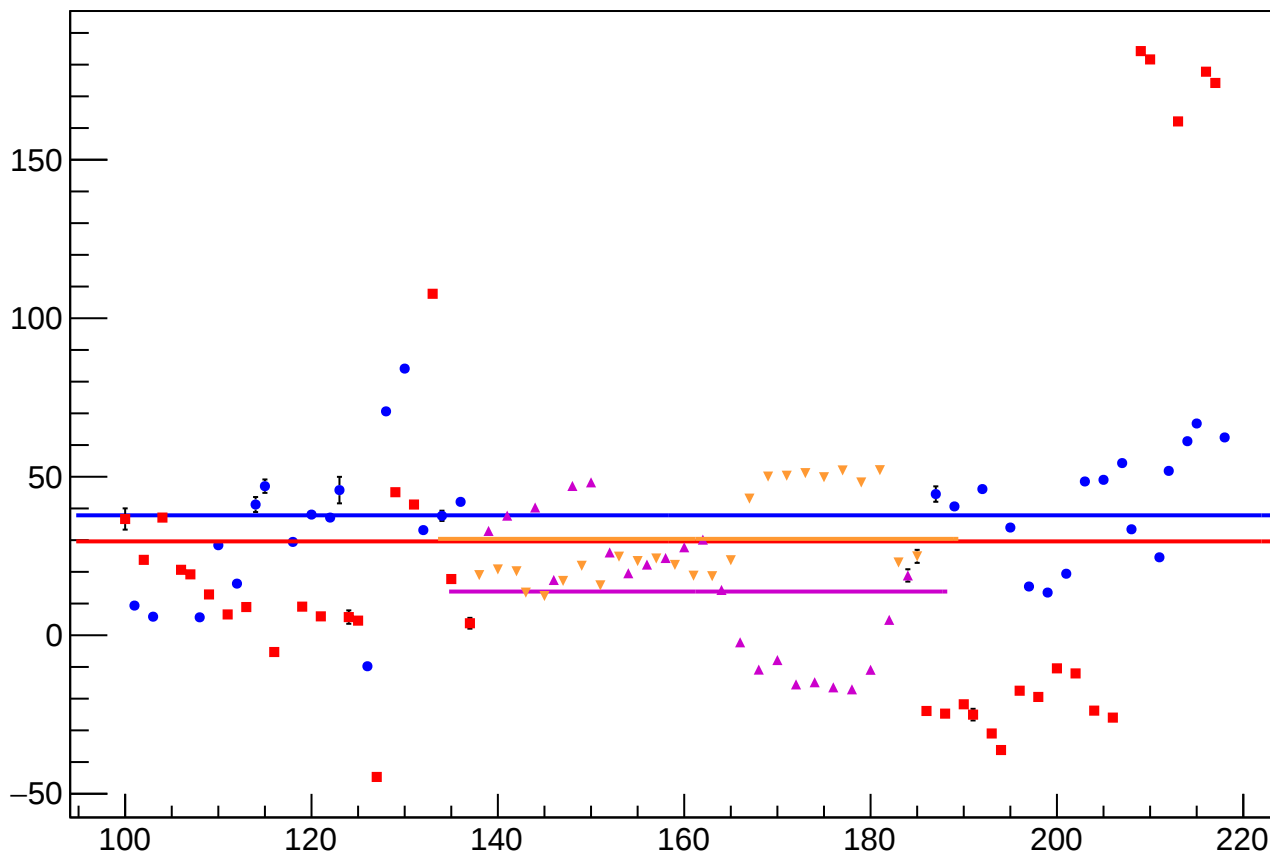
Left In: 726.390+/-0.124 χ^2/NDF : 289788.8/22

+ sign 595.676+/-0.071 χ^2/NDF : 2450453.6/57

All: 594.507+/-0.050 χ^2/NDF : 4998677.5/116

- sign 593.326+/-0.071 χ^2/NDF : 2547674.7/58

diff_bpm1i04X_mean vs Slug



Right In: 37.834 $\pm$ 0.204 χ^2 /NDF: 10411.5/32

Left Out: 30.408 $\pm$ 0.237 χ^2 /NDF:3808.0/24

Right Out: 29.609 $\pm$ 0.201 χ^2 /NDF: 124203.6/35

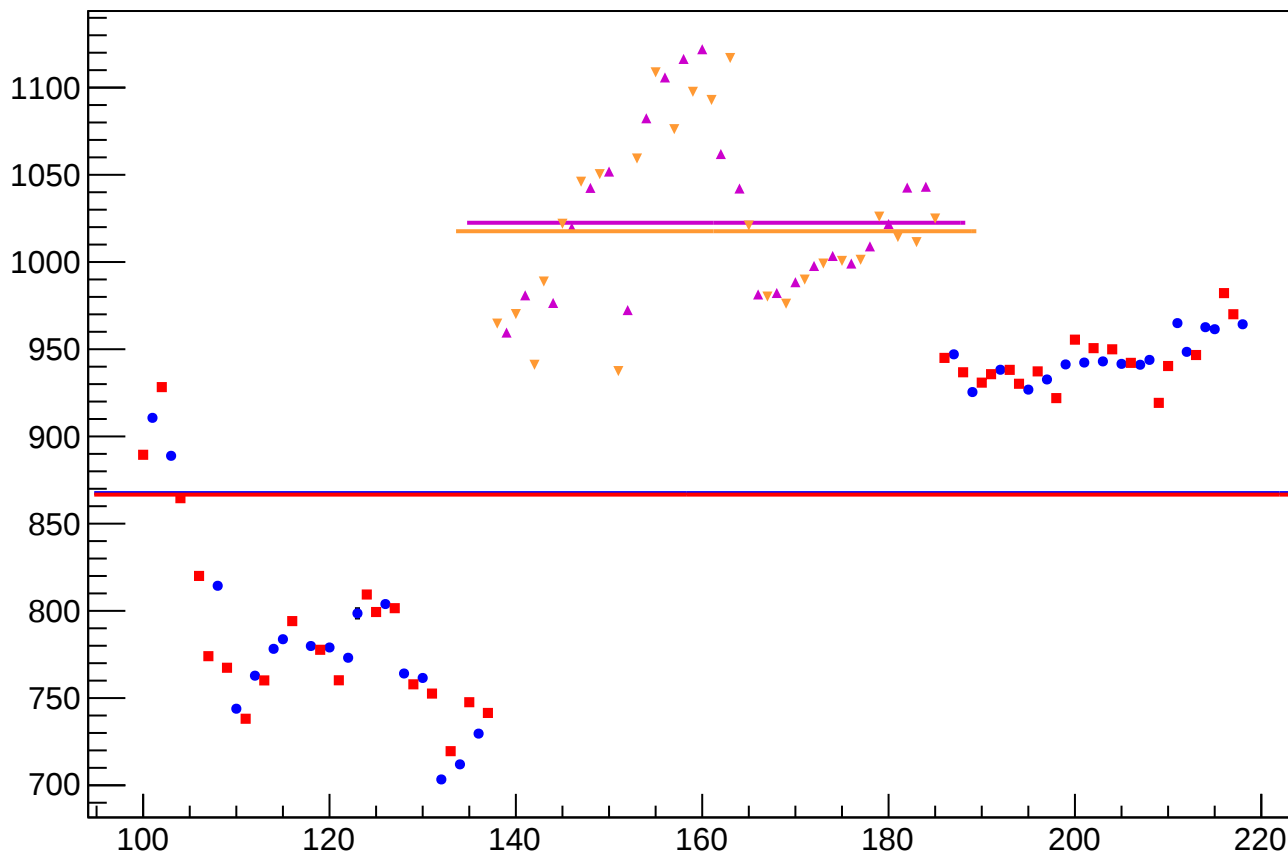
Left In: 13.787 $\pm$ 0.246 χ^2 /NDF:7979.7/22

+ sign 34.678 $\pm$ 0.155 χ^2 /NDF: 14782.2/57

All: 29.005 $\pm$ 0.110 χ^2 /NDF: 152150.8/116

- sign 23.274 $\pm$ 0.156 χ^2 /NDF: 134667.5/58

diff_bpm1i04X_rms vs Slug



Right In: 867.512 ± 0.144 $\chi^2/\text{NDF}: 409284.3/32$

Left Out: 1017.653 ± 0.168 $\chi^2/\text{NDF}: 83612.5/24$

Right Out: 866.652 ± 0.142 $\chi^2/\text{NDF}: 387094.2/35$

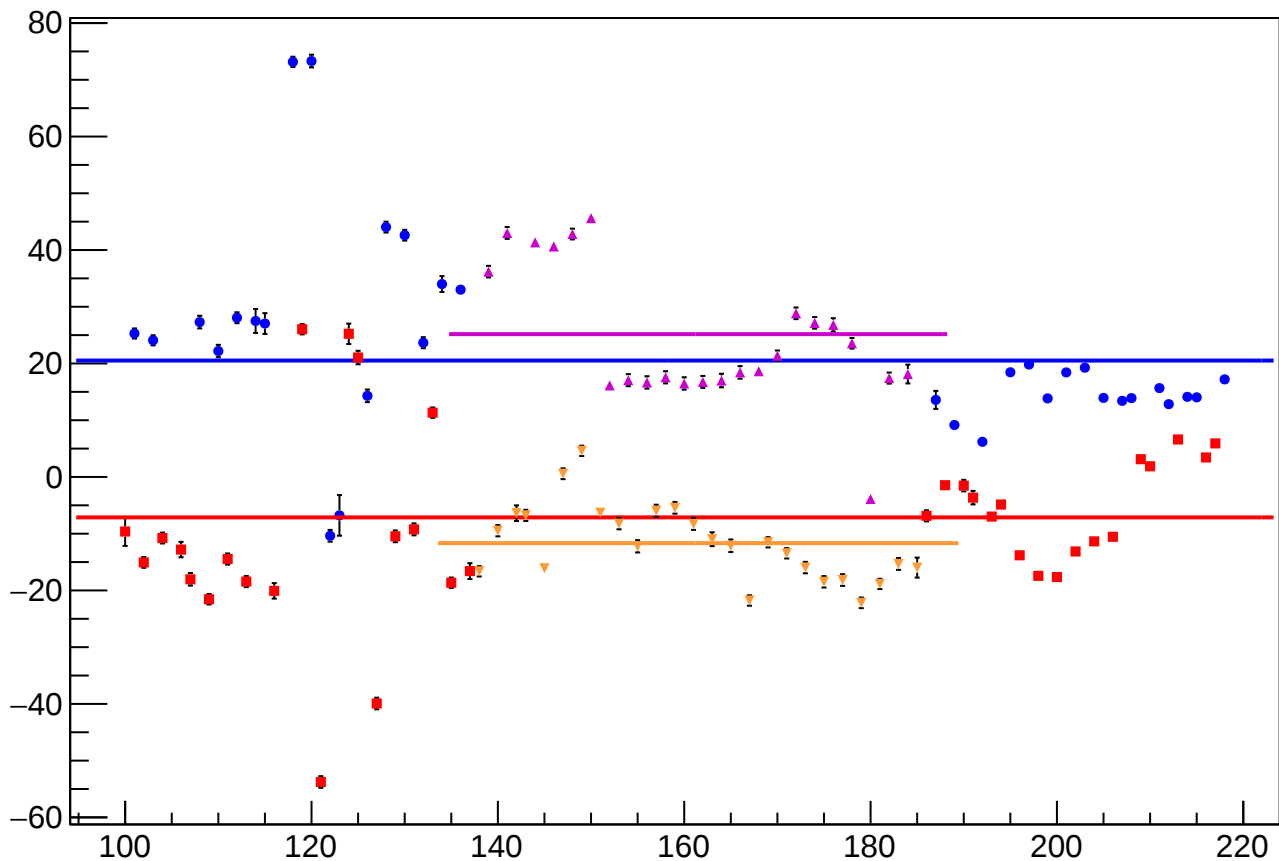
Left In: 1022.511 ± 0.174 $\chi^2/\text{NDF}: 69635.5/22$

+ sign 931.320 ± 0.109 $\chi^2/\text{NDF}: 952885.6/57$

All: 930.193 ± 0.078 $\chi^2/\text{NDF}: 1891895.2/116$

- sign 929.055 ± 0.110 $\chi^2/\text{NDF}: 938796.5/58$

diff_bpm1i04Y_mean vs Slug



Right In: 20.515+/-0.144 χ^2/NDF : 9848.7/32

Left Out: -11.664+/-0.200 χ^2/NDF : 1147.4/24

Right Out: -7.125+/-0.141 χ^2/NDF : 9000.2/35

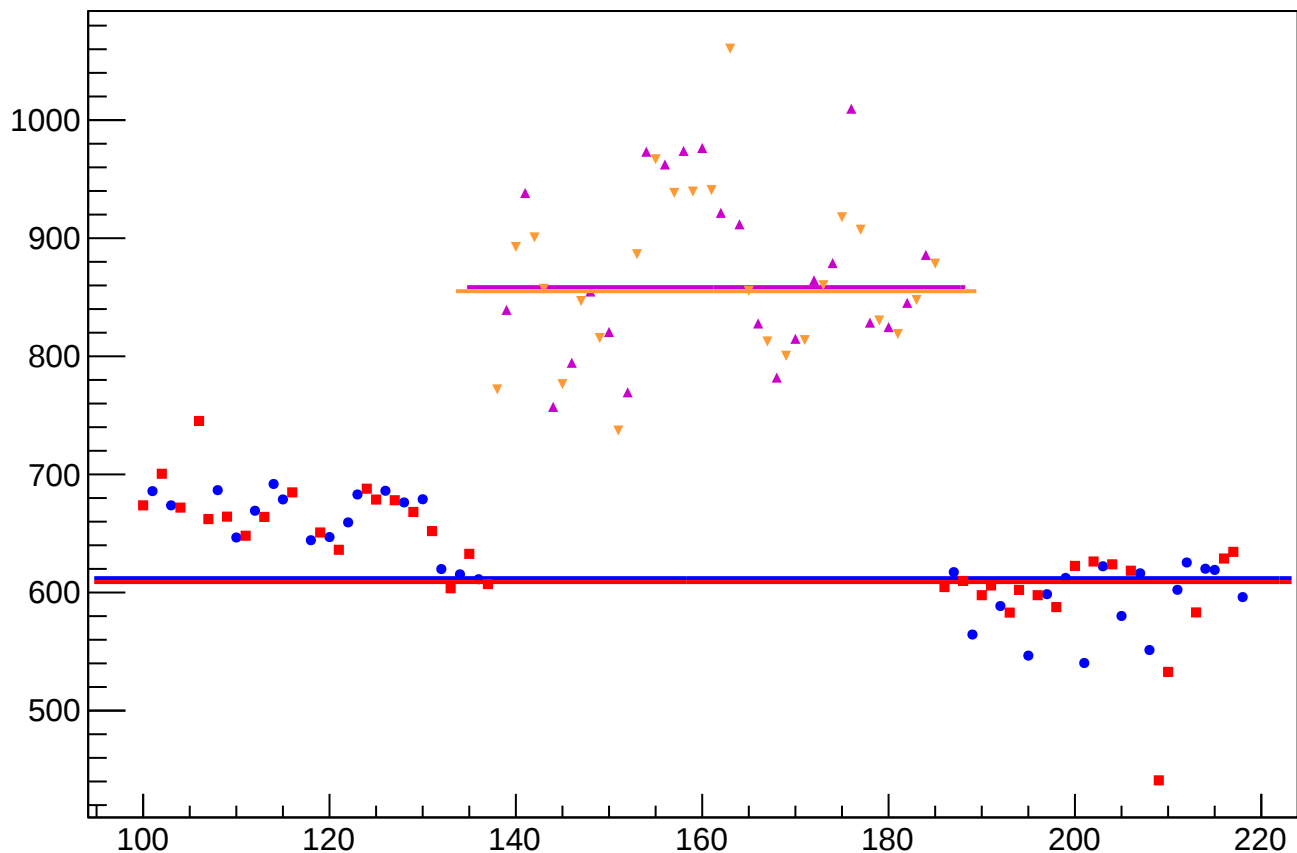
Left In: 25.174+/-0.207 χ^2/NDF : 3747.1/22

+ sign 9.554+/-0.117 χ^2/NDF : 28017.1/57

All: 6.331+/-0.083 χ^2/NDF : 58851.7/116

- sign 3.114+/-0.117 χ^2/NDF : 29315.3/58

diff_bpm1i04Y_rms vs Slug



Right In: 612.157+/-0.102 χ^2/NDF : 166522.2/32

Left Out: 855.131+/-0.142 χ^2/NDF : 233746.7/24

Right Out: 608.829+/-0.100 χ^2/NDF : 366282.9/35

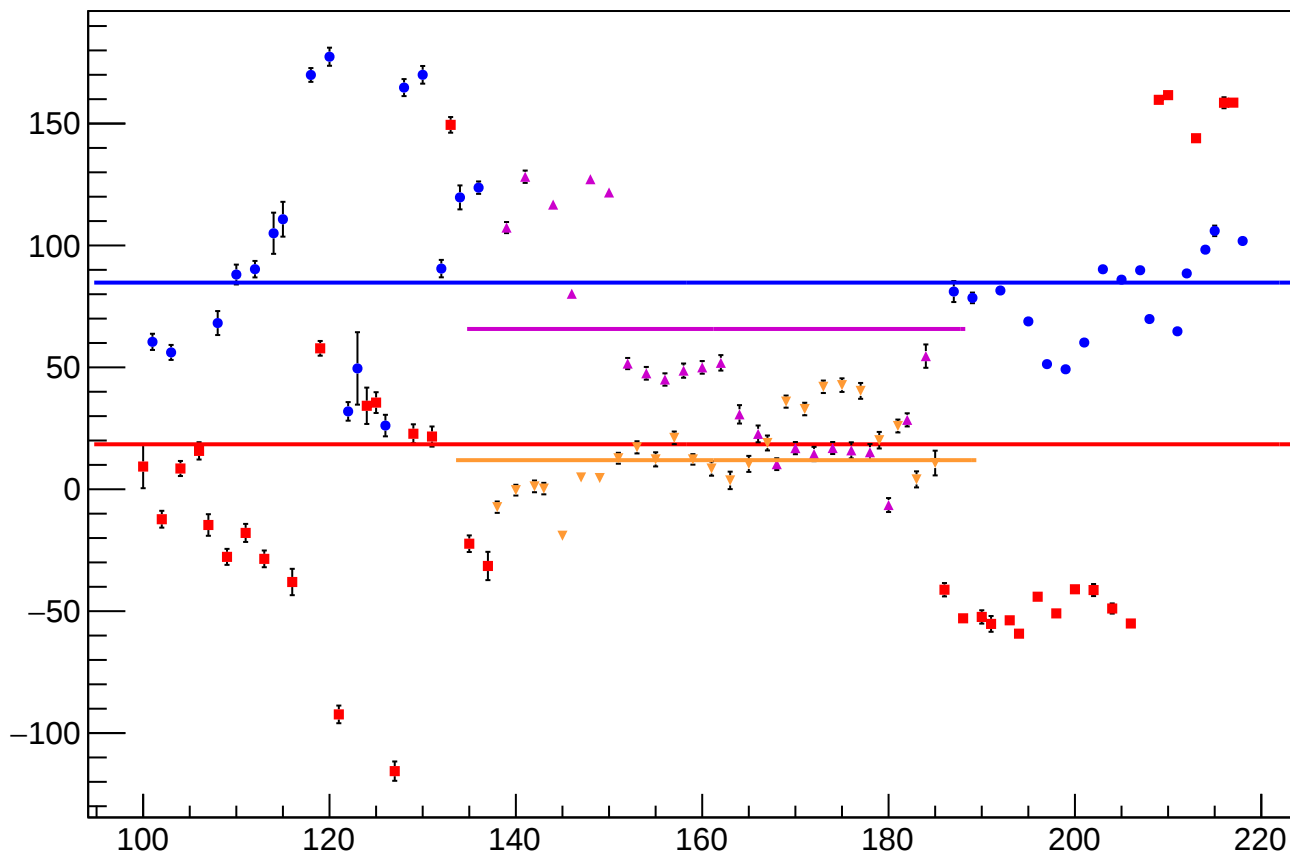
Left In: 858.563+/-0.147 χ^2/NDF : 239019.8/22

+ sign 694.921+/-0.083 χ^2/NDF : 2341110.4/57

All: 691.457+/-0.058 χ^2/NDF : 4930913.0/116

- sign 688.001+/-0.083 χ^2/NDF : 2586293.7/58

diff_bpm1i06X_mean vs Slug



Right In: 84.766 $\pm$ 0.431 χ^2 /NDF: 4804.0/32

Left Out: 11.938 $\pm$ 0.505 χ^2 /NDF: 976.6/24

Right Out: 18.451 $\pm$ 0.419 χ^2 /NDF: 48593.6/35

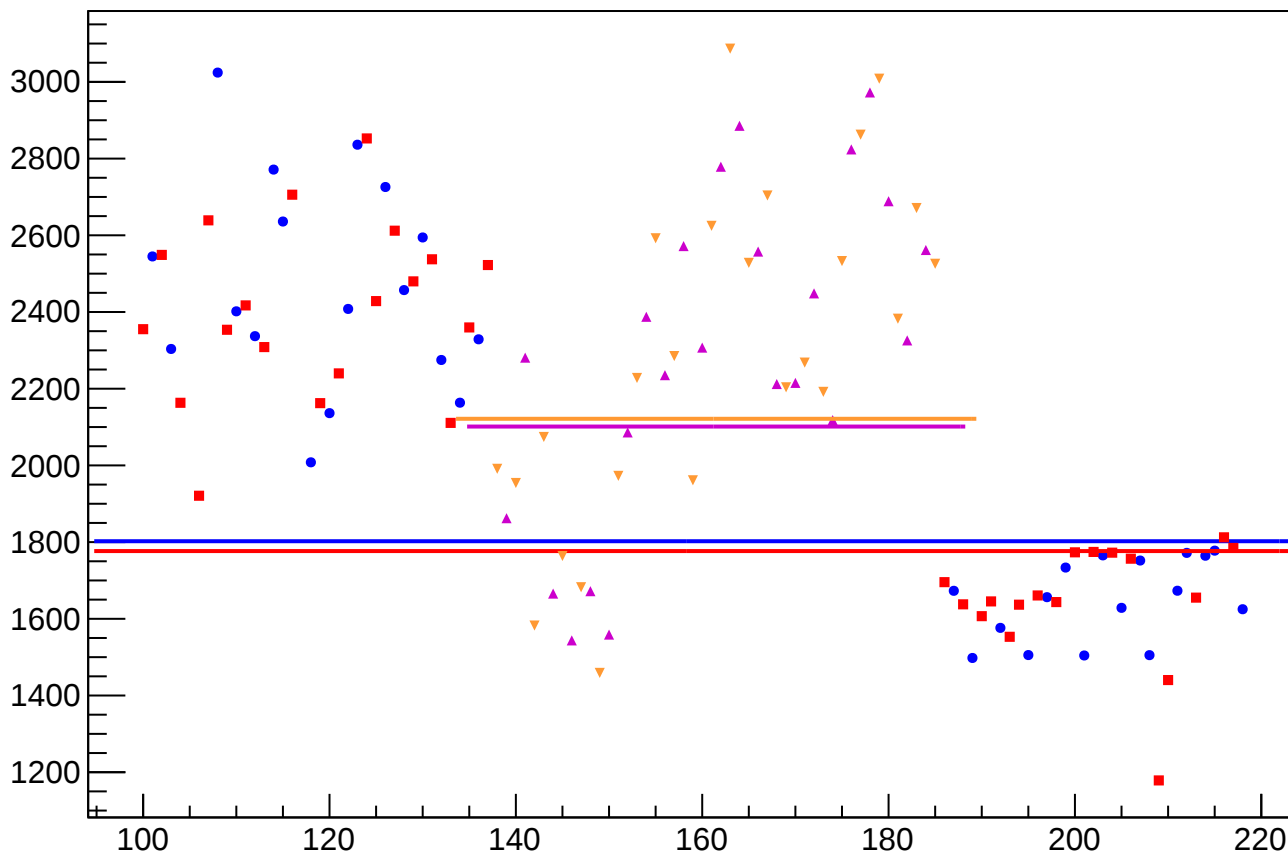
Left In: 65.752 $\pm$ 0.518 χ^2 /NDF: 7335.8/22

+ sign 54.105 $\pm$ 0.328 χ^2 /NDF: 17806.9/57

All: 45.594 $\pm$ 0.231 χ^2 /NDF: 80116.8/116

- sign 37.189 $\pm$ 0.326 χ^2 /NDF: 60970.7/58

diff_bpm1i06X_rms vs Slug



Right In: 1802.304+/-0.305 χ^2/NDF : 1202526.8/32

Left Out: 2121.567+/-0.357 χ^2/NDF :1387847.6/24

Right Out: 1776.630+/-0.296 χ^2/NDF : 1478004.4/35

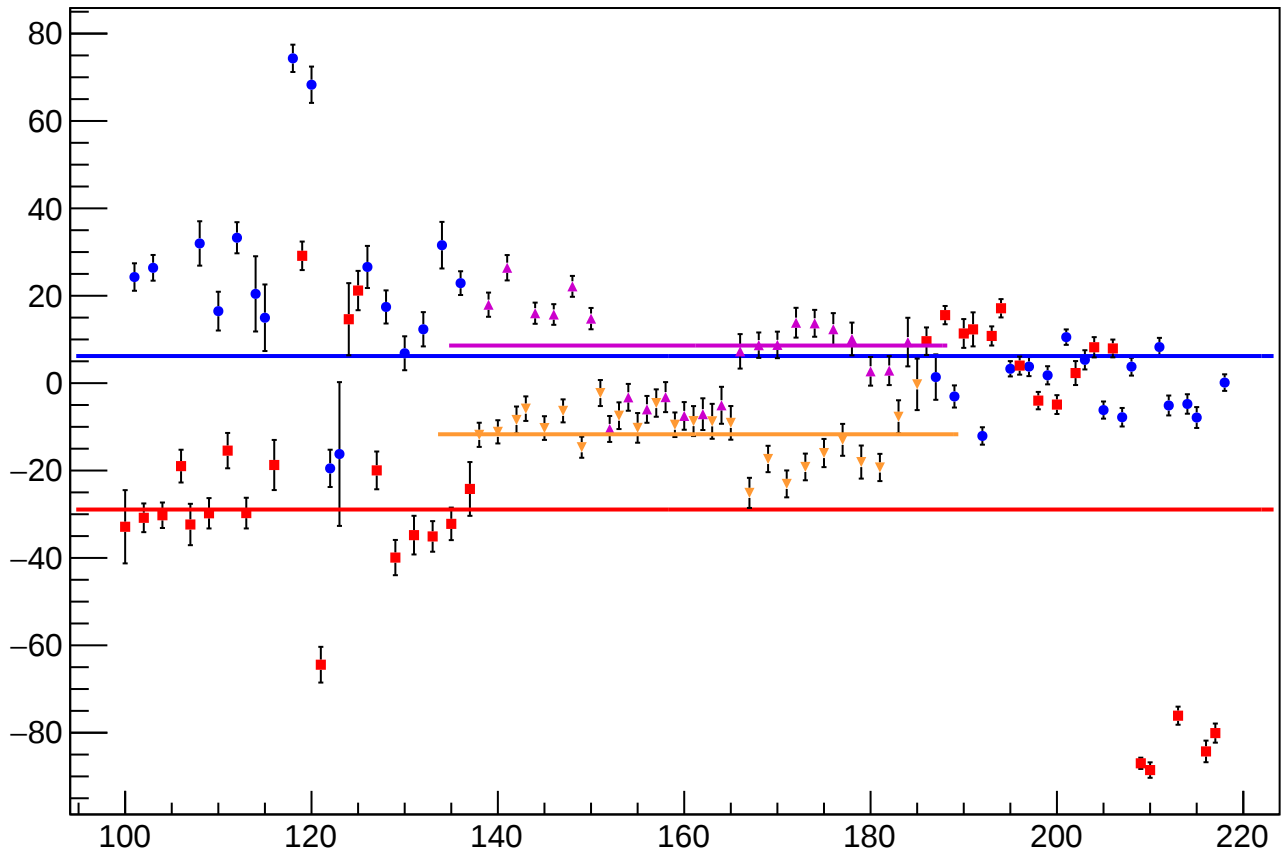
Left In: 2101.325+/-0.366 χ^2/NDF :1360518.3/22

+ sign 1936.716+/-0.232 χ^2/NDF : 3052617.3/57

All: 1920.886+/-0.163 χ^2/NDF : 6375517.0/11

- sign 1905.254+/-0.230 χ^2/NDF : 3313634.1/58

diff_bpm1i06Y_mean vs Slug



Right In: 6.205 ± 0.467 χ^2/NDF : 1291.3/32

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -28.922 ± 0.453 χ^2/NDF : 8240.6/35

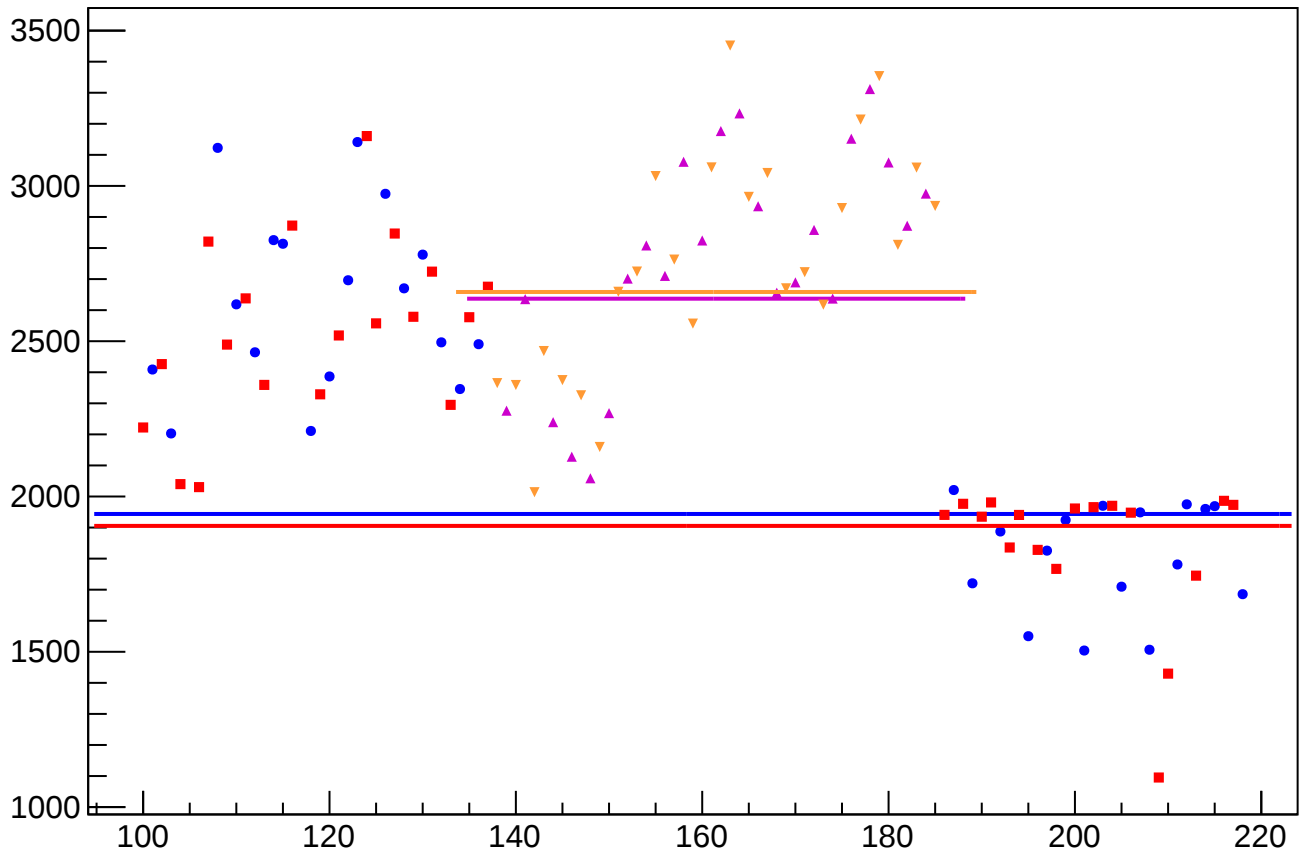
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.206 ± 0.374 χ^2/NDF : 1902.5/57

All: -8.413 ± 0.263 χ^2/NDF : 13639.8/116

- sign -16.442 ± 0.370 χ^2/NDF : 10786.0/58

diff_bpm1i06Y_rms vs Slug



Right In: 1943.745 $\pm$ 0.330 χ^2 /NDF: 1220659.7/32

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 1905.352 $\pm$ 0.320 χ^2 /NDF: 1828245.8/35

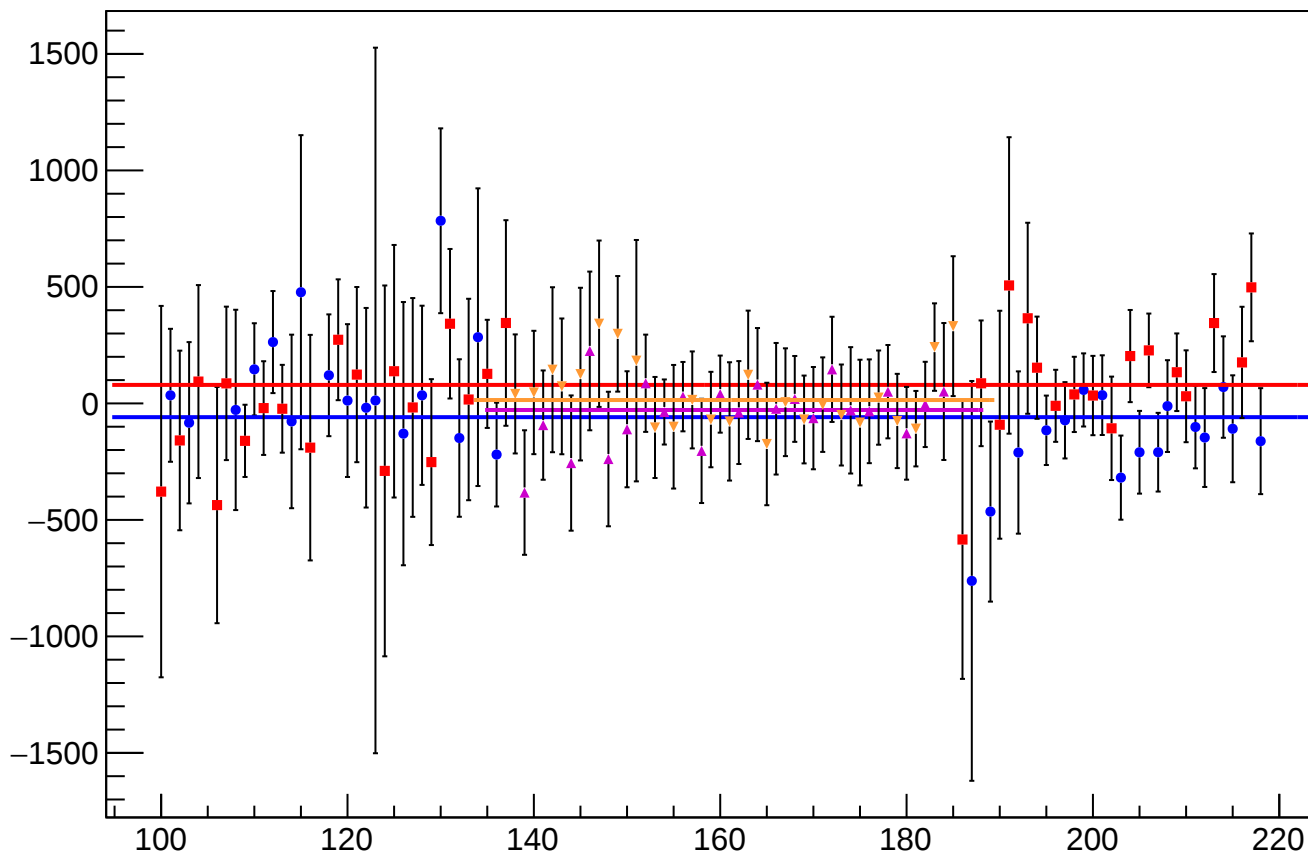
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2199.670 $\pm$ 0.265 χ^2 /NDF: 3515437.3/57

All: 2173.866 $\pm$ 0.186 χ^2 /NDF: 7748979.4/11

- sign 2148.621 $\pm$ 0.262 χ^2 /NDF: 4214733.0/58

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -59.019 ± 41.913 χ^2/NDF : 17.4/32

Left Out: 14.520 ± 47.528 χ^2/NDF : 7.8/24

Right Out: 79.422 ± 41.694 χ^2/NDF : 17.9/35

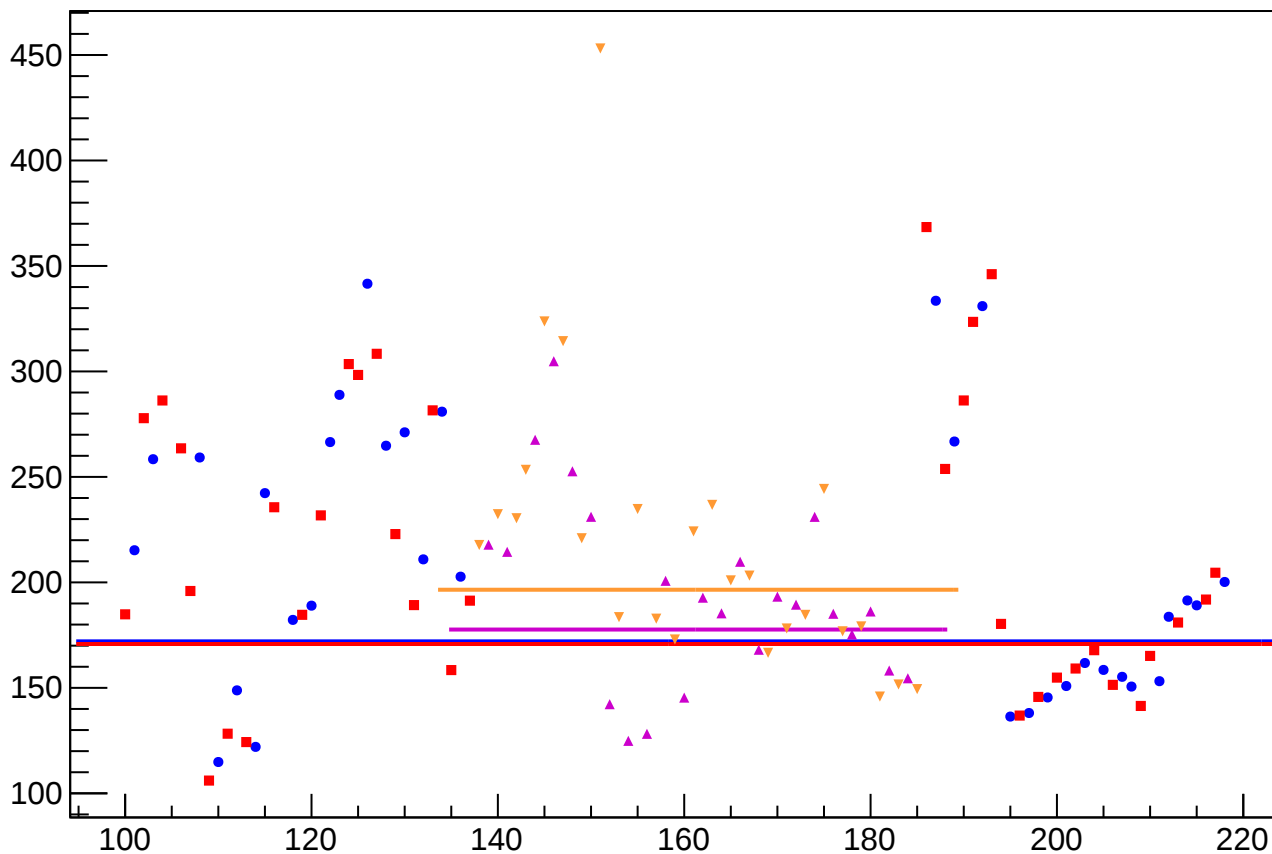
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign -26.848 ± 31.436 χ^2/NDF : 26.6/57

All: 2.064 ± 21.879 χ^2/NDF : 55.4/116

- sign 29.227 ± 30.470 χ^2/NDF : 27.2/58

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.040 $\pm$ 0.030 χ^2 /NDF: 2205085.5/32

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF:1789504.4/24

Right Out: 170.787 $\pm$ 0.029 χ^2 /NDF: 2900446.4/35

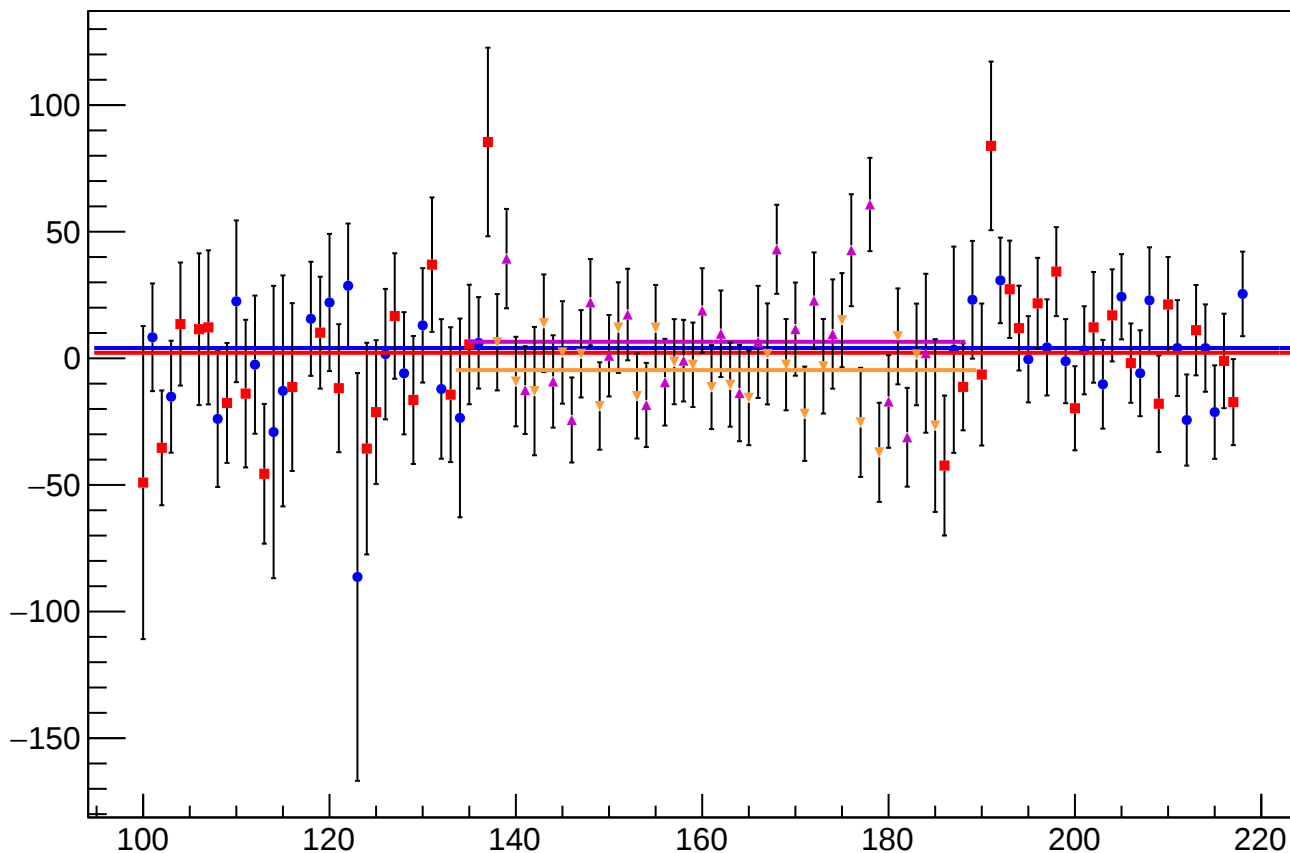
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF:1630664.5/22

+ sign 182.747 $\pm$ 0.022 χ^2 /NDF: 4292903.8/57

All: 178.227 $\pm$ 0.015 χ^2 /NDF: 8929385.3/116

- sign 173.982 $\pm$ 0.022 χ^2 /NDF: 4556309.4/58

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.074+/-3.739 χ^2/NDF : 19.5/32

Left Out: -4.646+/-3.728 χ^2/NDF : 12.1/24

Right Out: 2.193+/-3.711 χ^2/NDF : 40.3/35

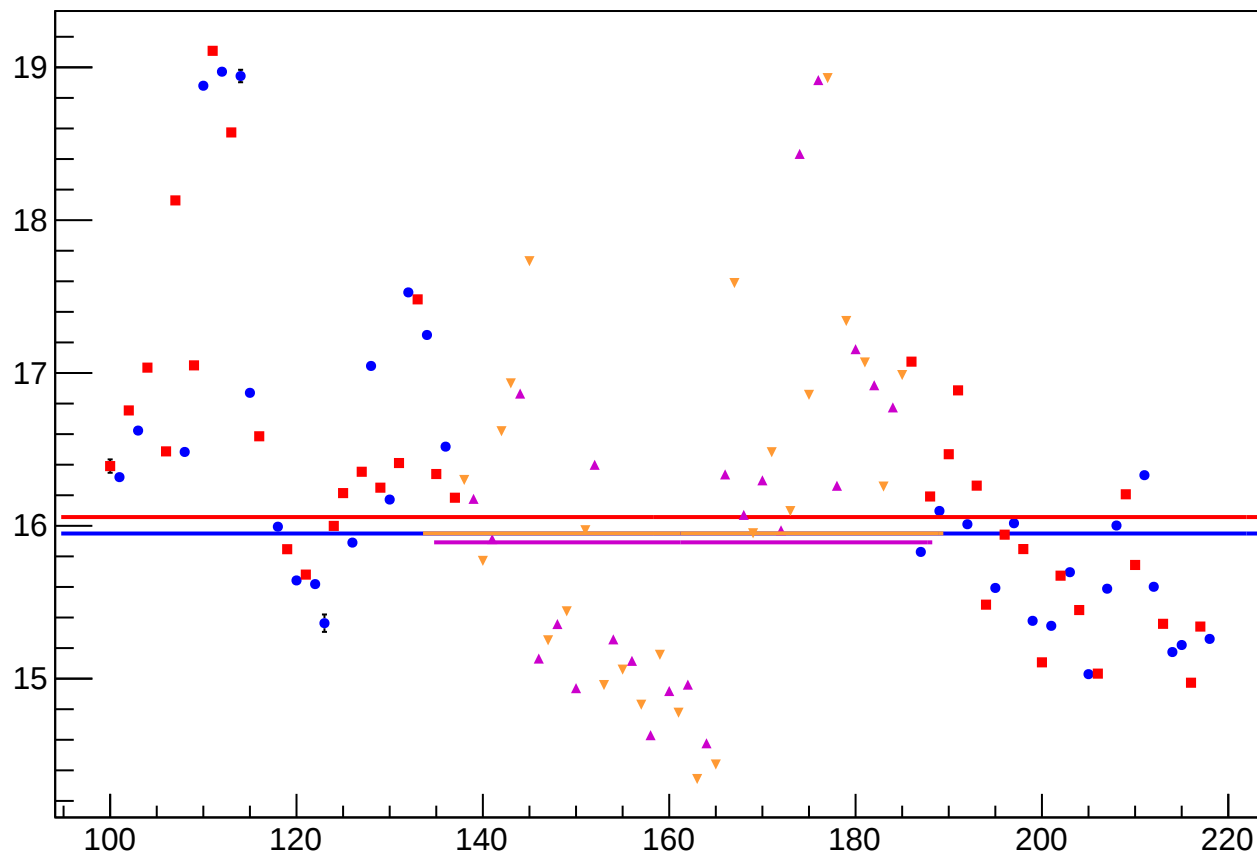
Left In: 6.526+/-3.828 χ^2/NDF : 36.4/22

+ sign -0.299+/-2.640 χ^2/NDF : 34.3/57

All: 1.976+/-1.875 χ^2/NDF : 113.1/116

- sign 4.292+/-2.664 χ^2/NDF : 77.3/58

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.950 ± 0.003 χ^2/NDF : 91875.3/32

Left Out: 15.951 ± 0.003 χ^2/NDF : 173458.5/24

Right Out: 16.057 ± 0.003 χ^2/NDF : 104382.4/35

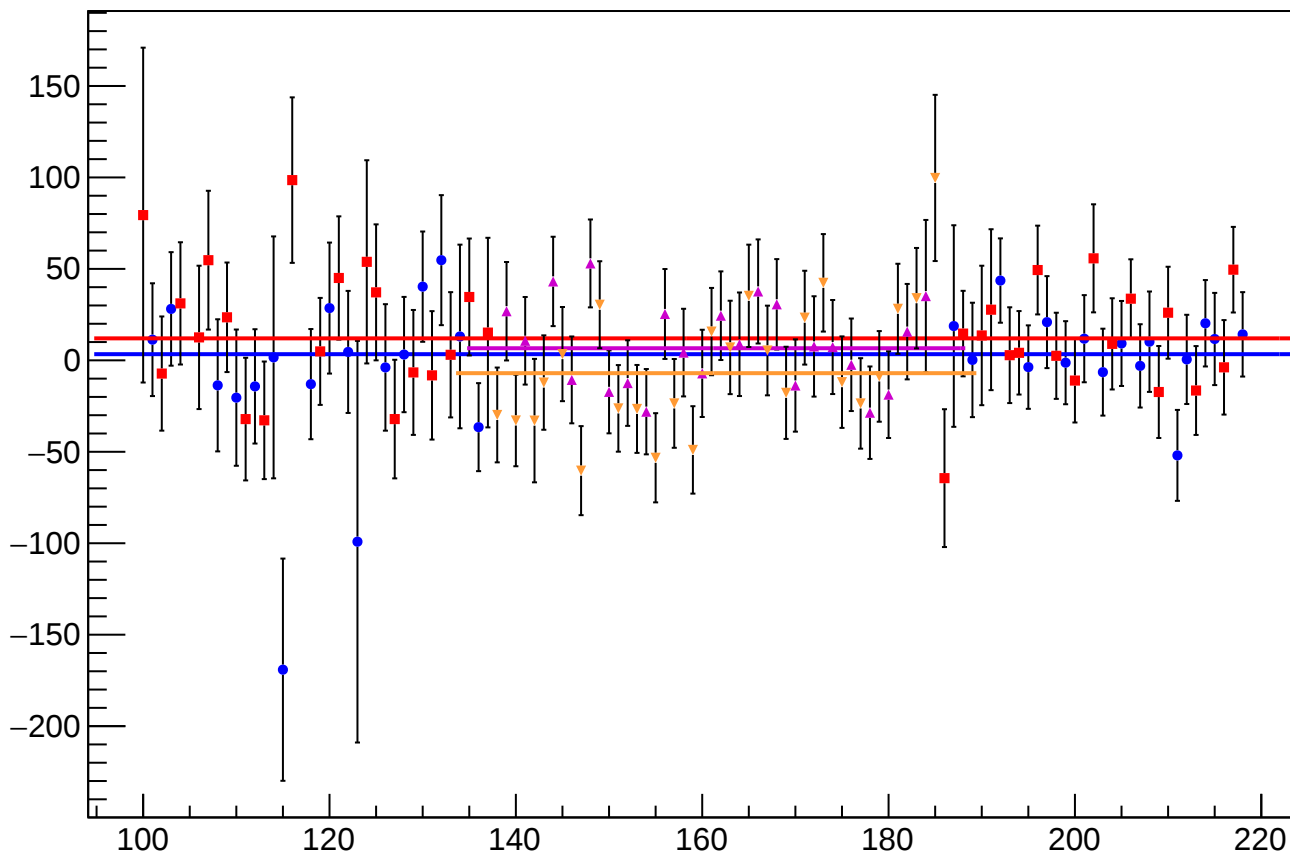
Left In: 15.892 ± 0.003 χ^2/NDF : 147093.3/22

+ sign 15.950 ± 0.002 χ^2/NDF : 265333.9/57

All: 15.964 ± 0.001 χ^2/NDF : 518838.9/116

- sign 15.977 ± 0.002 χ^2/NDF : 253401.7/58

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.369 ± 5.020 χ^2/NDF : 27.9/32

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 12.015 ± 4.976 χ^2/NDF : 32.4/35

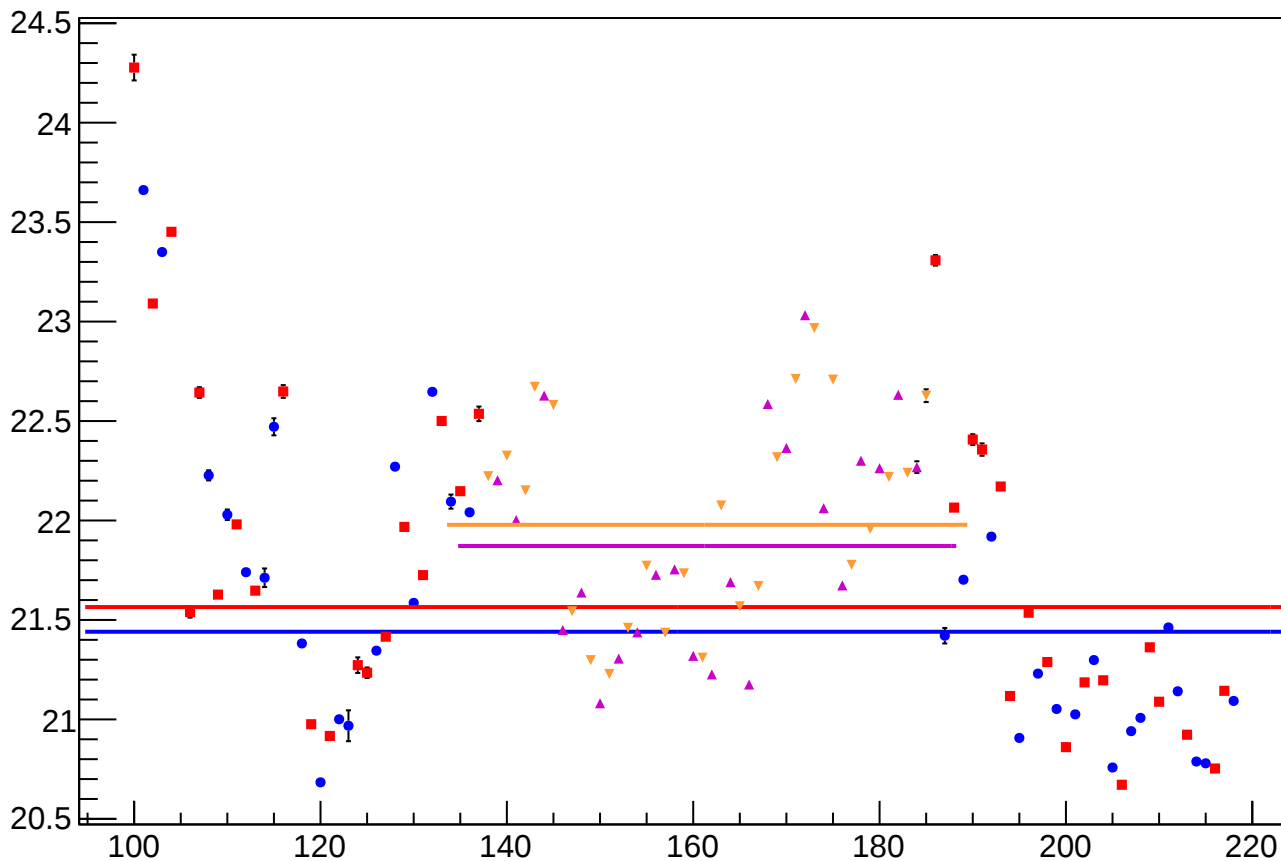
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -1.721 ± 3.585 χ^2/NDF : 67.4/57

All: 3.827 ± 2.544 χ^2/NDF : 124.3/116

- sign 9.459 ± 3.612 χ^2/NDF : 52.1/58

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.441 $\pm$ 0.004 χ^2 /NDF: 37150.6/32

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF: 19430.2/24

Right Out: 21.565 $\pm$ 0.004 χ^2 /NDF: 40882.4/35

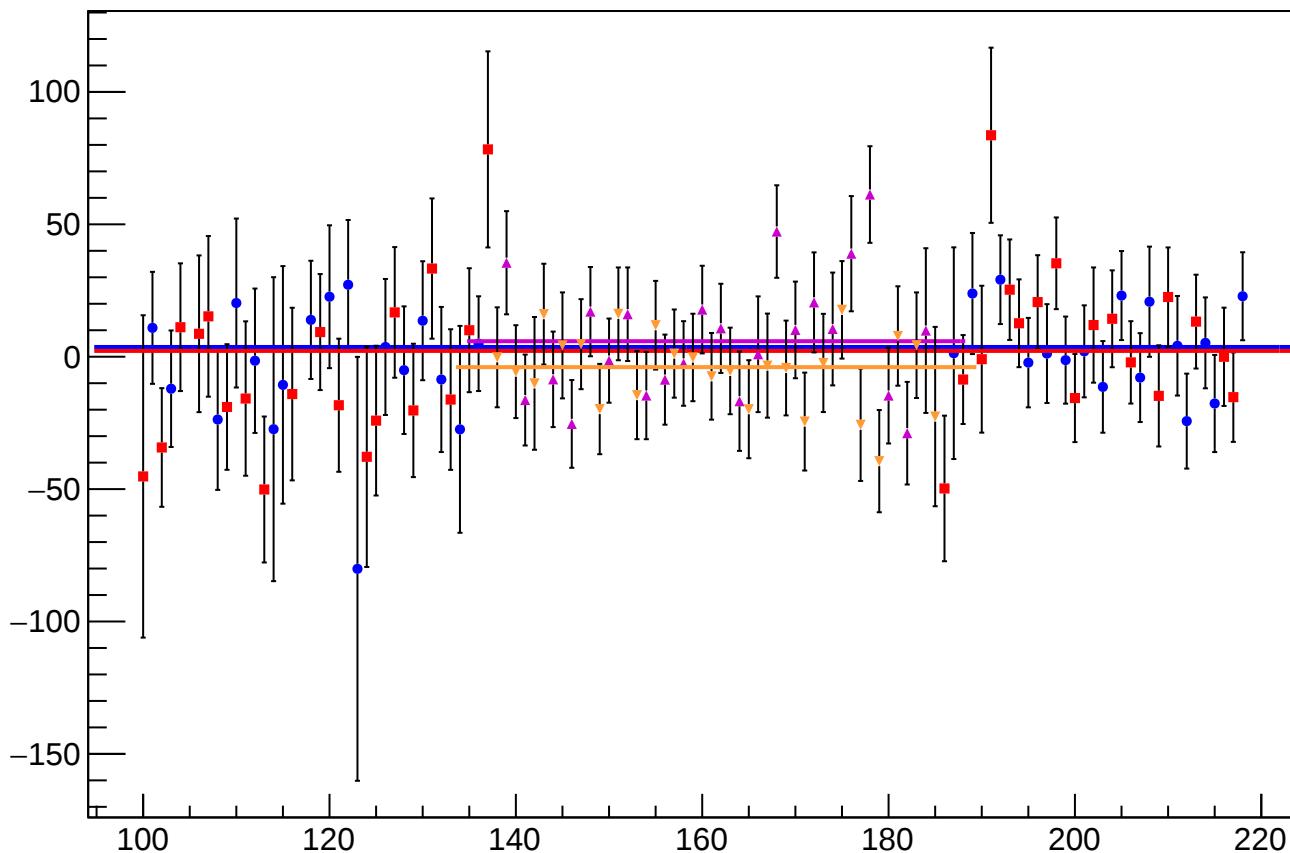
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF: 20524.9/22

+ sign 21.704 $\pm$ 0.003 χ^2 /NDF: 67824.2/57

All: 21.707 $\pm$ 0.002 χ^2 /NDF: 132834.5/116

- sign 21.710 $\pm$ 0.003 χ^2 /NDF: 65007.7/58

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.684 ± 3.713 $\chi^2/\text{NDF}: 18.0/32$

Left Out: -3.927 ± 3.688 $\chi^2/\text{NDF}: 14.0/24$

Right Out: 2.190 ± 3.687 $\chi^2/\text{NDF}: 40.5/35$

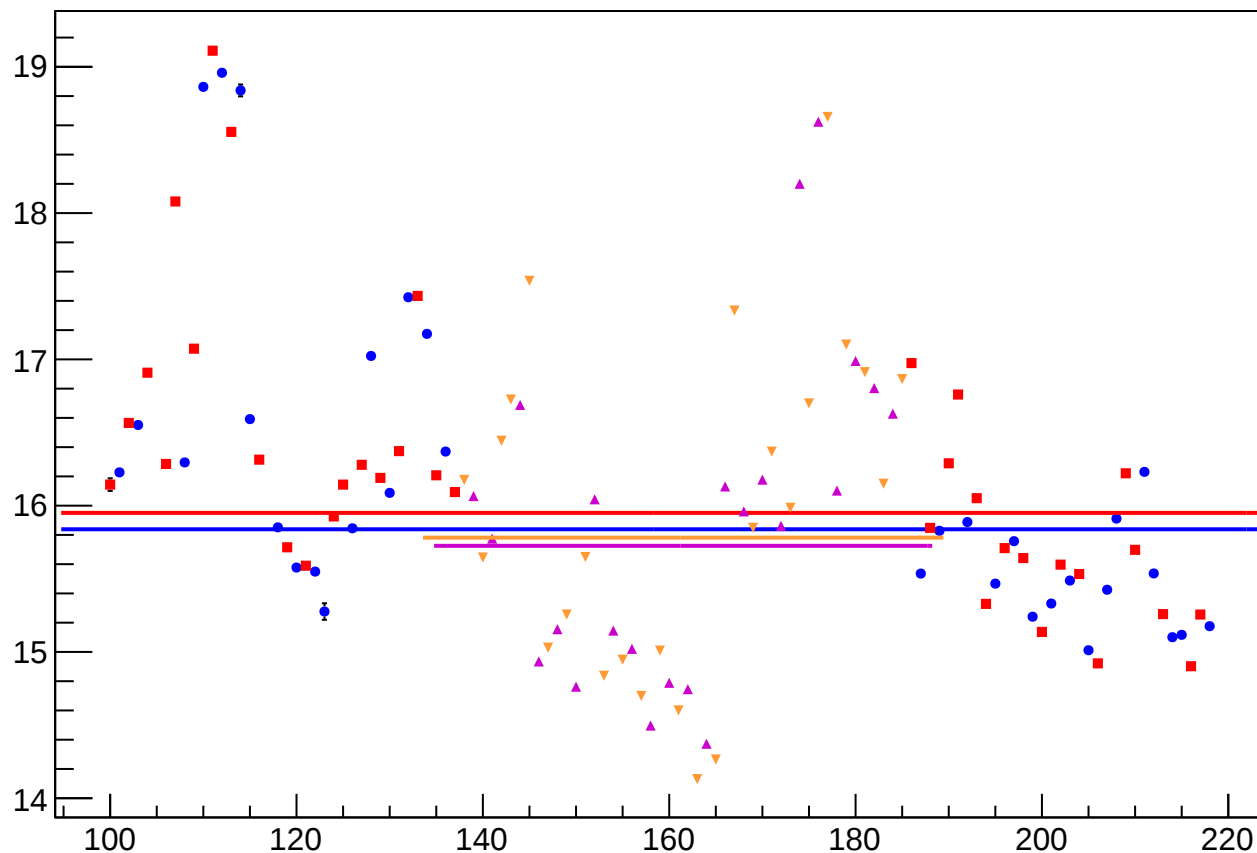
Left In: 5.861 ± 3.787 $\chi^2/\text{NDF}: 36.2/22$

+ sign -0.148 ± 2.617 $\chi^2/\text{NDF}: 34.1/57$

All: 1.895 ± 1.859 $\chi^2/\text{NDF}: 112.5/116$

- sign 3.976 ± 2.642 $\chi^2/\text{NDF}: 77.2/58$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.839 $\pm$ 0.003 χ^2 /NDF: 93819.6/32

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF:172894.3/24

Right Out: 15.951 $\pm$ 0.003 χ^2 /NDF: 106064.2/35

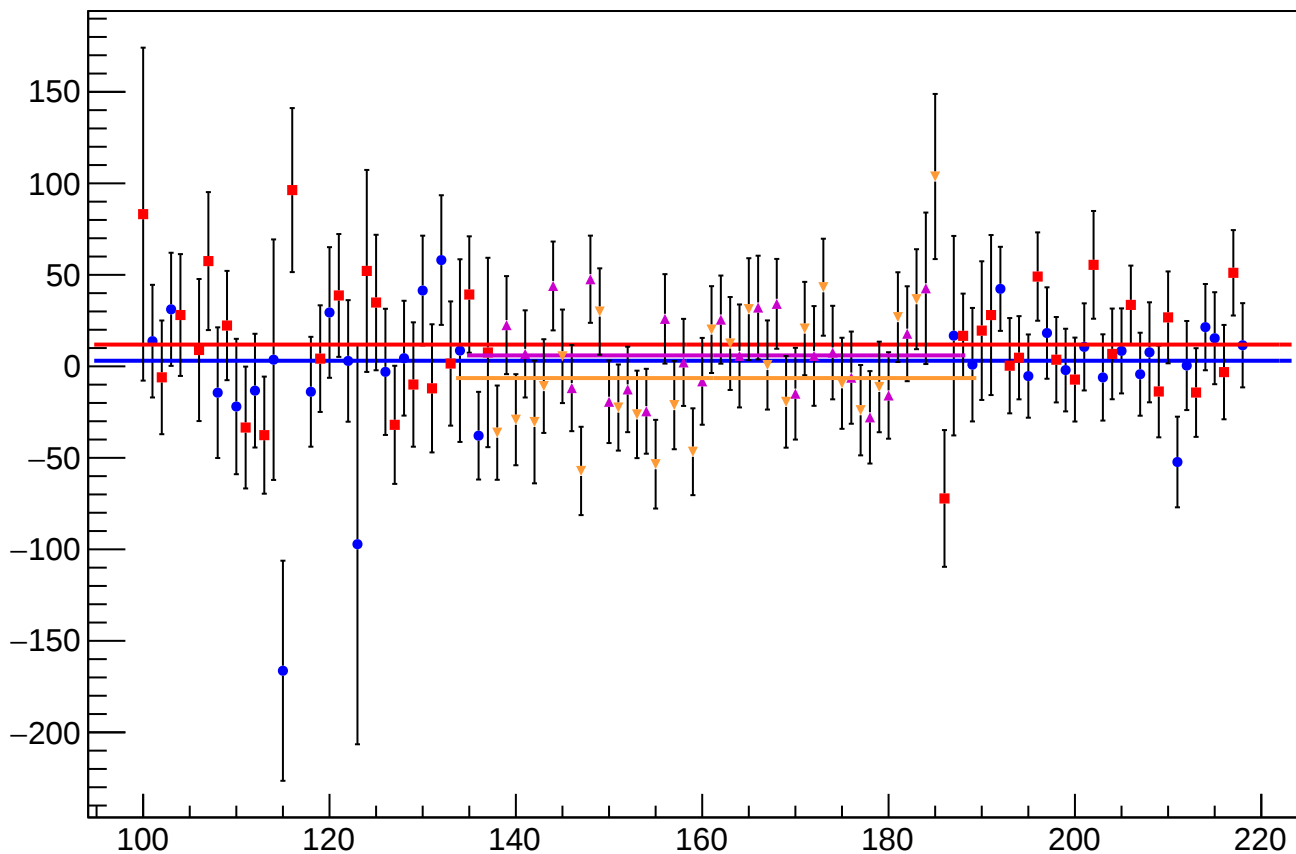
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF:145830.9/22

+ sign 15.810 $\pm$ 0.002 χ^2 /NDF: 266953.2/57

All: 15.825 $\pm$ 0.001 χ^2 /NDF: 522626.3/116

- sign 15.841 $\pm$ 0.002 χ^2 /NDF: 255530.8/58

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.058+/-4.999 χ^2/NDF : 28.5/32

Left Out: -6.404+/-5.091 χ^2/NDF : 37.4/24

Right Out: 11.898+/-4.952 χ^2/NDF : 33.5/35

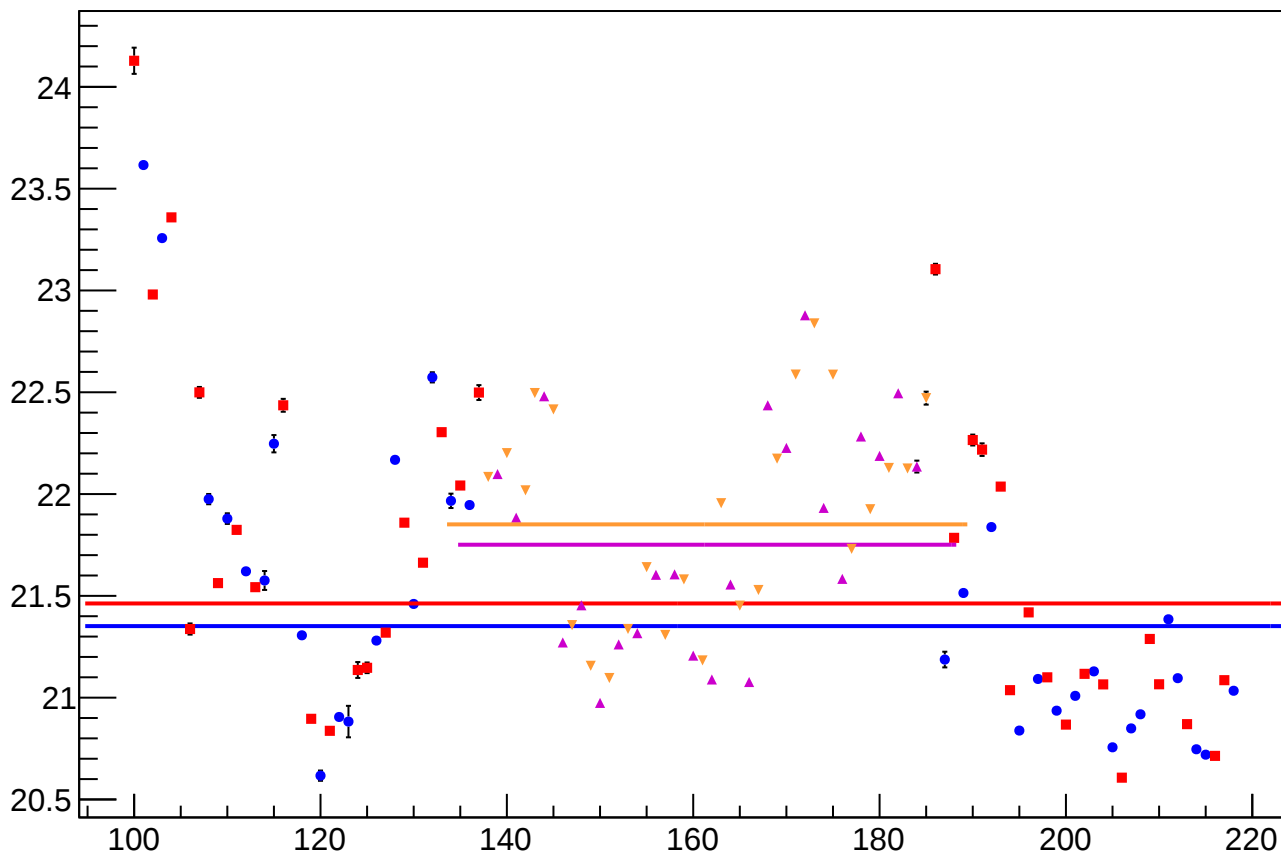
Left In: 5.978+/-5.222 χ^2/NDF : 18.5/22

+ sign -1.586+/-3.567 χ^2/NDF : 67.7/57

All: 3.715+/-2.532 χ^2/NDF : 124.9/116

- sign 9.095+/-3.594 χ^2/NDF : 52.7/58

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.351 $\pm$ 0.004 χ^2 /NDF: 36077.2/32

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF: 19631.8/24

Right Out: 21.463 $\pm$ 0.004 χ^2 /NDF: 37692.8/35

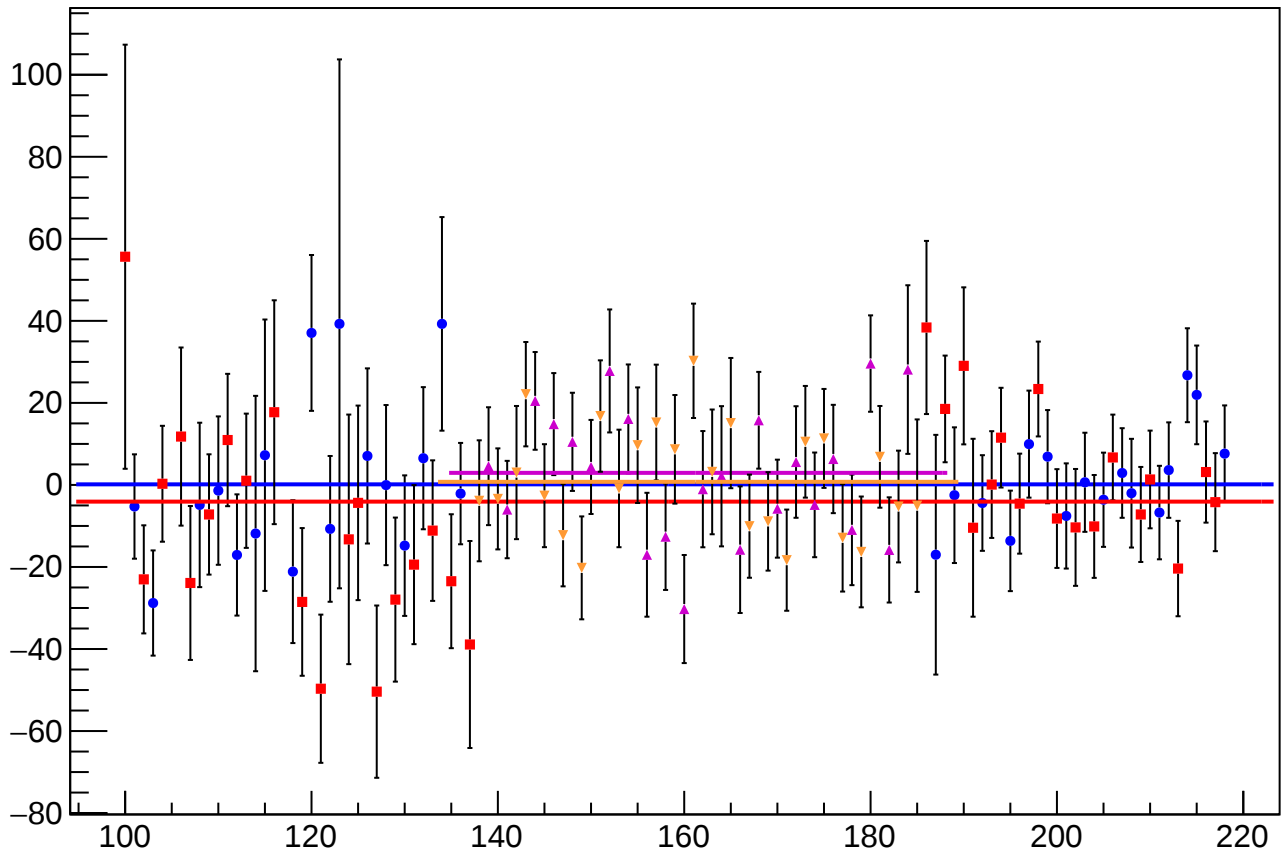
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF: 20516.3/22

+ sign 21.597 $\pm$ 0.003 χ^2 /NDF: 65516.0/57

All: 21.598 $\pm$ 0.002 χ^2 /NDF: 126939.5/116

- sign 21.599 $\pm$ 0.003 χ^2 /NDF: 61423.0/58

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: 0.143 $\pm$ 2.523 χ^2/NDF : 29.0/32

Left Out: 0.759 $\pm$ 2.698 χ^2/NDF : 23.8/24

Right Out: -4.068 $\pm$ 2.519 χ^2/NDF : 47.2/35

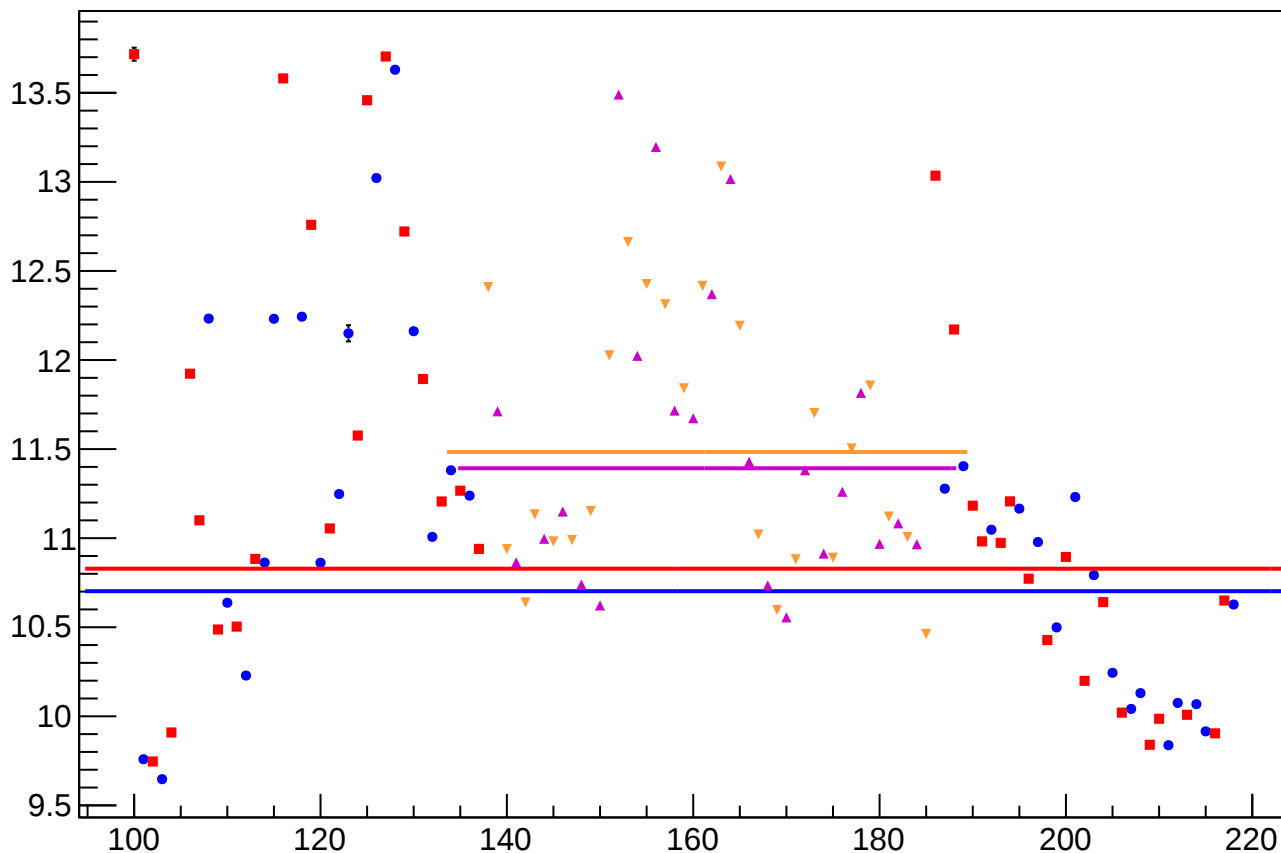
Left In: 2.944 $\pm$ 2.757 χ^2/NDF : 30.9/22

+ sign 0.430 $\pm$ 1.843 χ^2/NDF : 52.8/57

All: -0.218 $\pm$ 1.309 χ^2/NDF : 134.8/116

- sign -0.878 $\pm$ 1.860 χ^2/NDF : 81.7/58

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.702 $\pm$ 0.002 χ^2 /NDF: 210498.4/32

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 10.829 $\pm$ 0.002 χ^2 /NDF: 280126.2/35

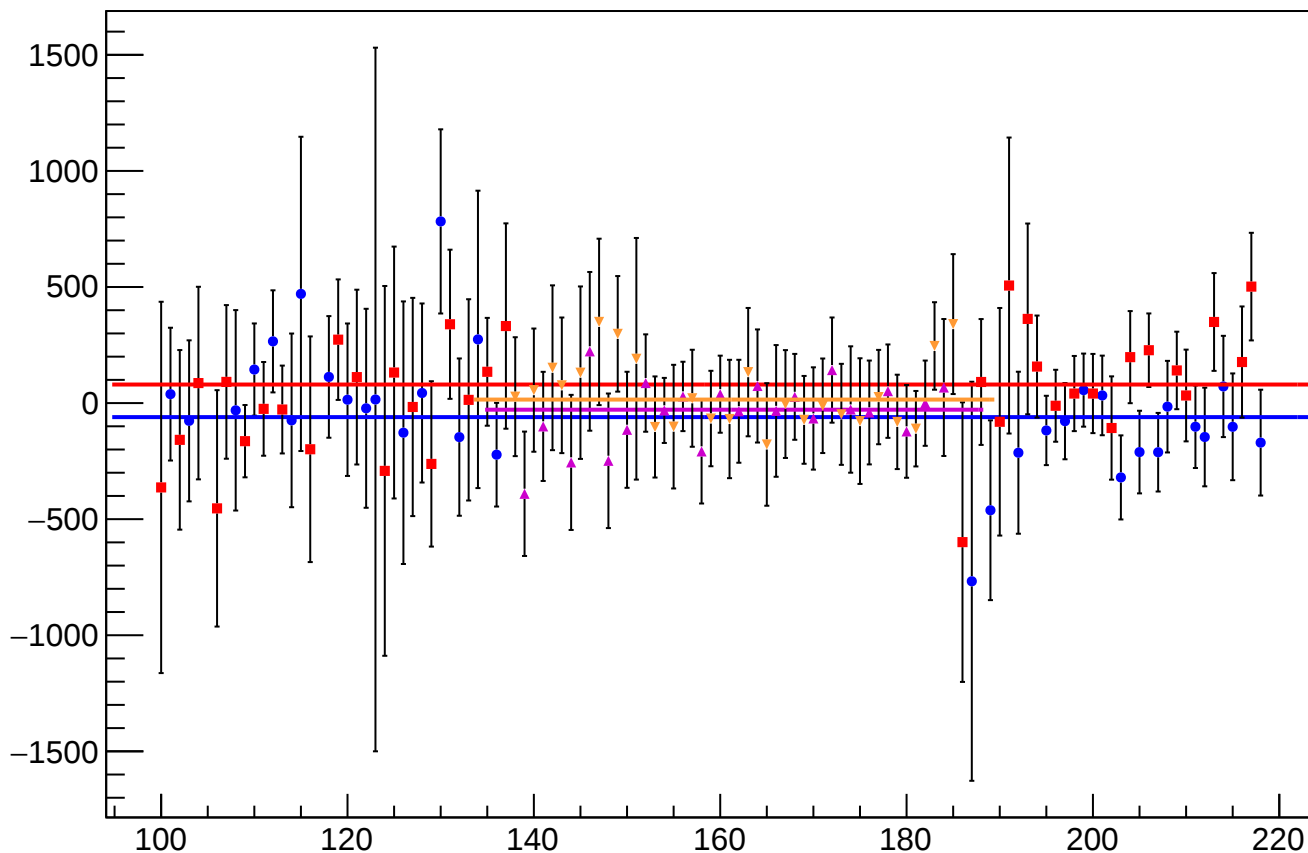
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.067 $\pm$ 0.001 χ^2 /NDF: 429818.7/57

All: 11.076 $\pm$ 0.001 χ^2 /NDF: 906097.9/116

- sign 11.085 $\pm$ 0.001 χ^2 /NDF: 476180.1/58

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -60.441 ± 42.013 $\chi^2/\text{NDF}: 17.4/32$

Left Out: 15.130 ± 47.705 $\chi^2/\text{NDF}: 8.0/24$

Right Out: 79.927 ± 41.801 $\chi^2/\text{NDF}: 18.1/35$

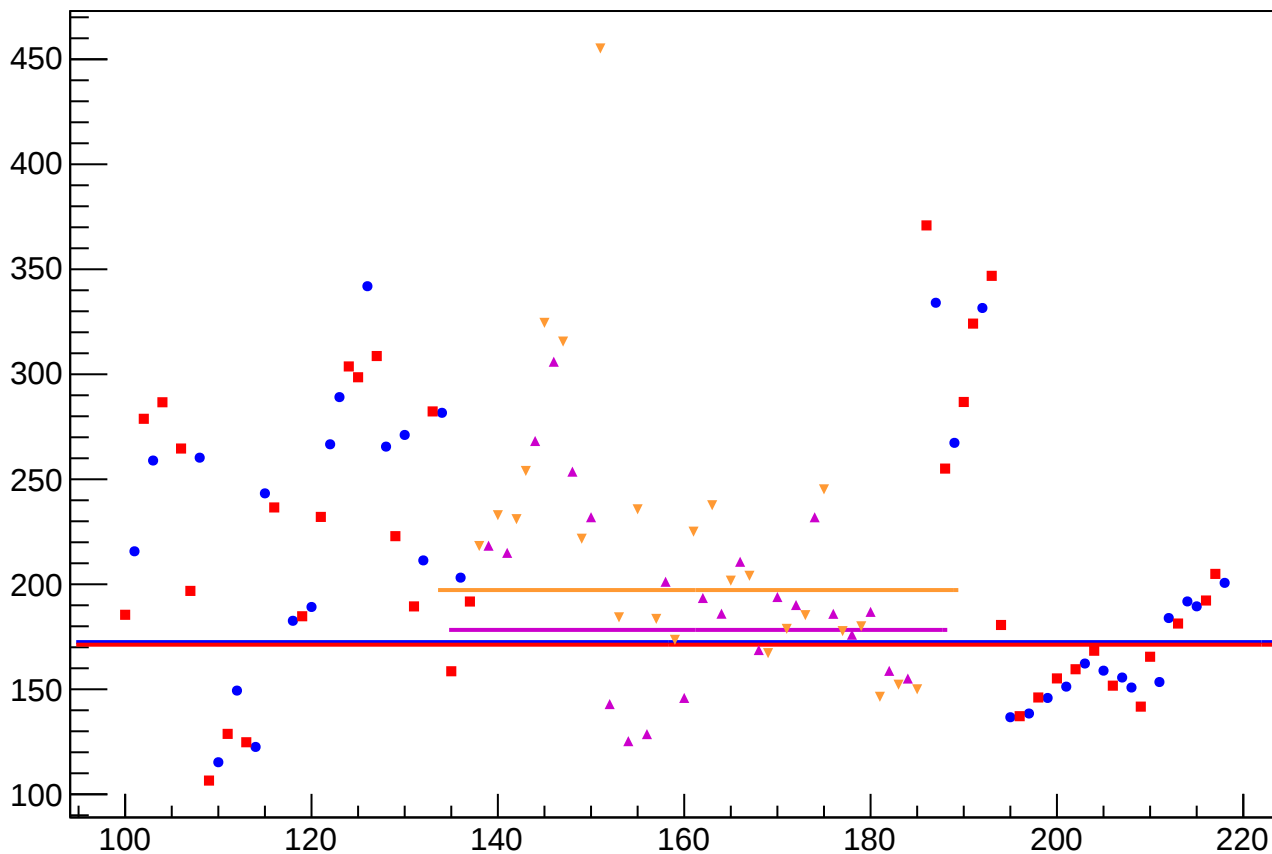
Left In: -28.500 ± 44.797 $\chi^2/\text{NDF}: 6.4/22$

+ sign -27.430 ± 31.529 $\chi^2/\text{NDF}: 26.8/57$

All: 1.901 ± 21.944 $\chi^2/\text{NDF}: 56.1/116$

- sign 29.460 ± 30.562 $\chi^2/\text{NDF}: 27.6/58$

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 172.465 ± 0.030 χ^2/NDF : 2200060.3/32

Left Out: 197.249 ± 0.034 χ^2/NDF : 1786808.1/24

Right Out: 171.236 ± 0.030 χ^2/NDF : 2896529.4/35

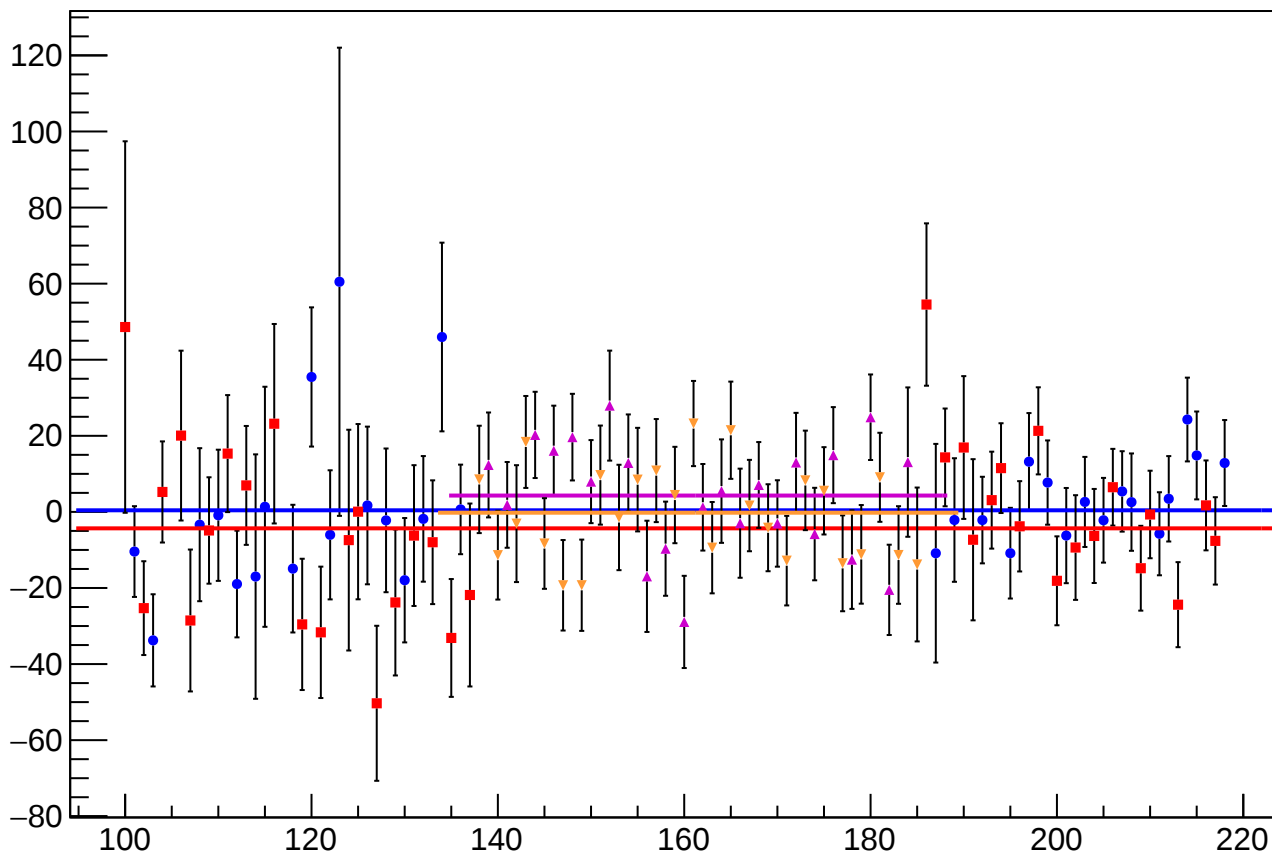
Left In: 178.277 ± 0.032 χ^2/NDF : 1628916.6/22

+ sign 183.291 ± 0.022 χ^2/NDF : 4290896.0/57

All: 178.765 ± 0.016 χ^2/NDF : 8922683.8/116

- sign 174.513 ± 0.022 χ^2/NDF : 4551859.8/58

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: 0.420 ± 2.433 χ^2/NDF : 32.4/32

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -4.324 ± 2.435 χ^2/NDF : 51.0/35

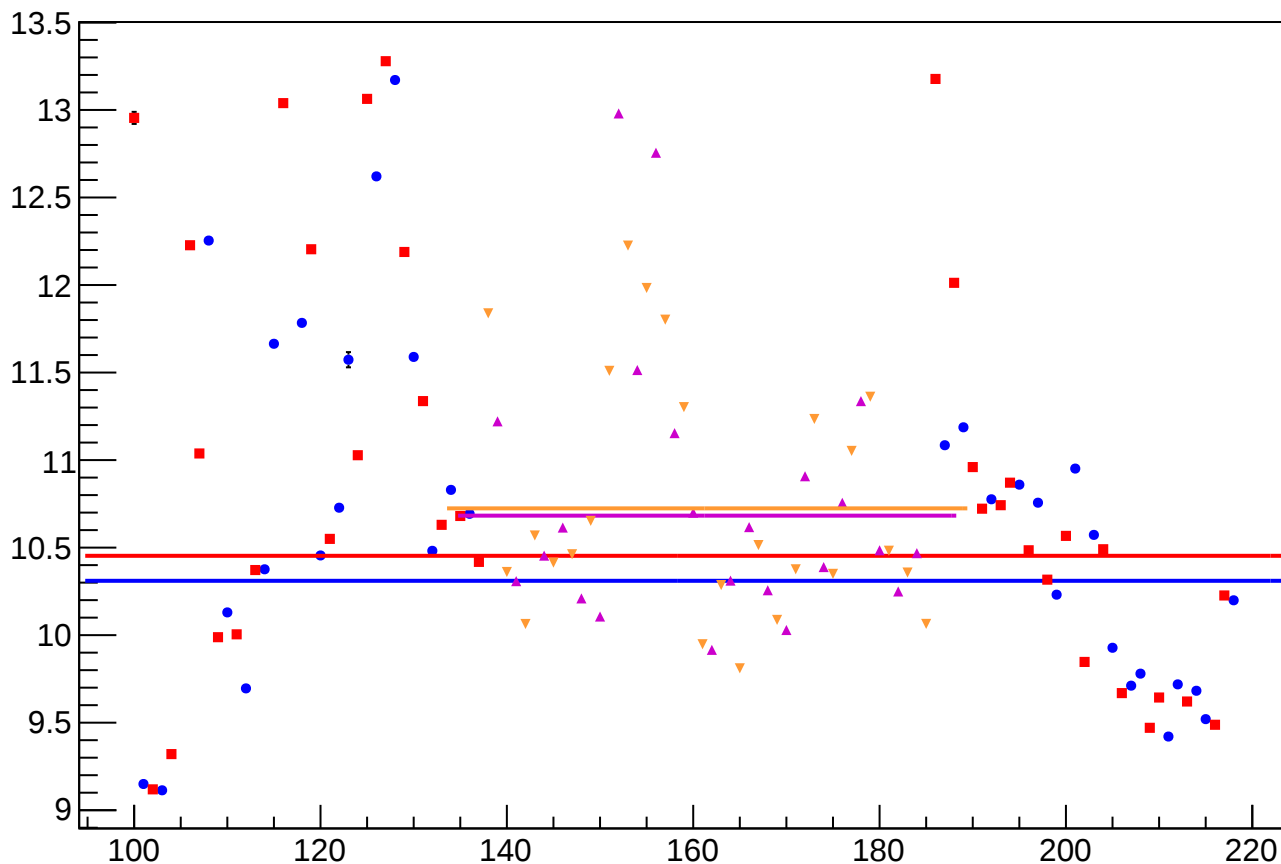
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign 0.116 ± 1.751 χ^2/NDF : 56.9/57

All: -0.078 ± 1.246 χ^2/NDF : 145.4/116

- sign -0.277 ± 1.774 χ^2/NDF : 88.5/58

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.310 $\pm$ 0.002 χ^2 /NDF: 239408.8/32

Left Out: 10.724 $\pm$ 0.002 χ^2 /NDF:132558.9/24

Right Out: 10.453 $\pm$ 0.002 χ^2 /NDF: 322881.9/35

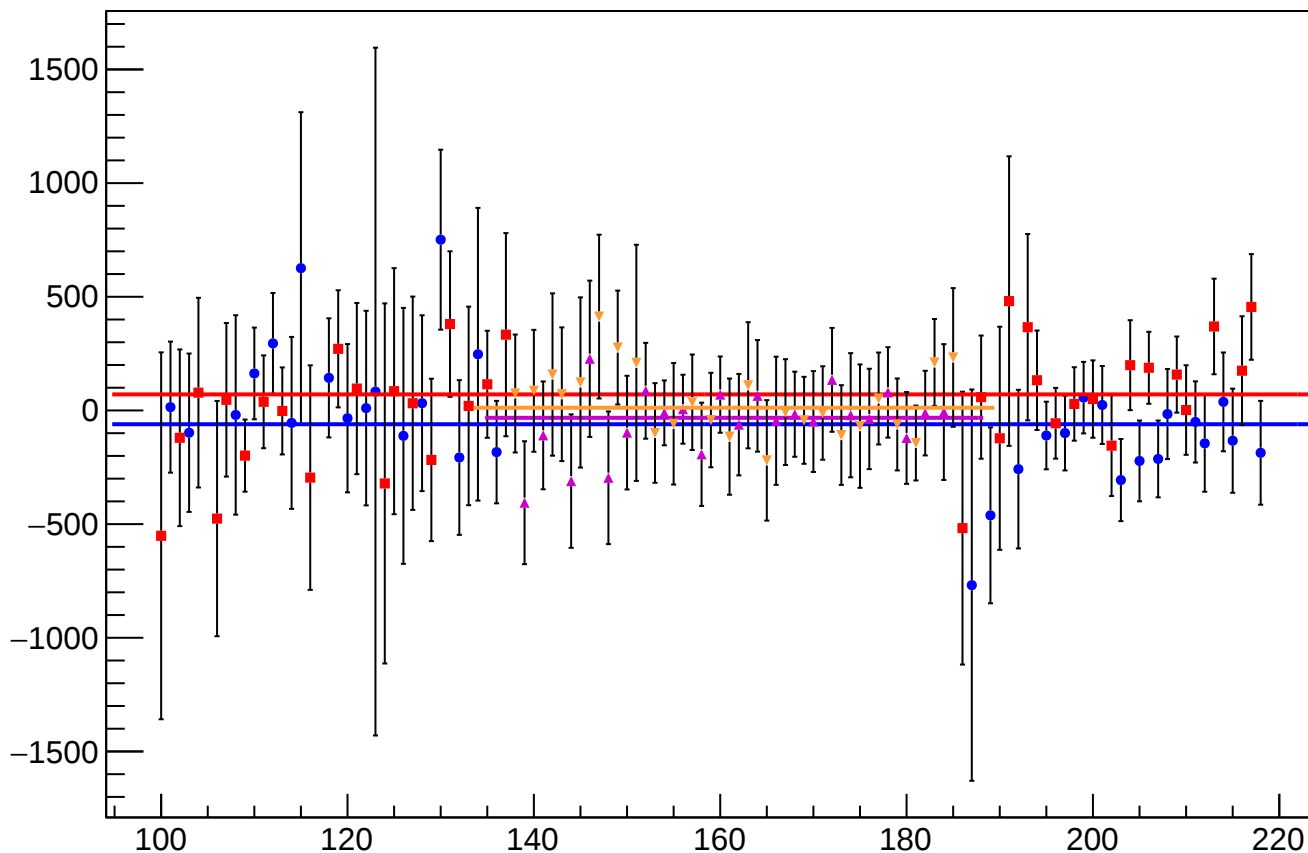
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF:147835.6/22

+ sign 10.510 $\pm$ 0.001 χ^2 /NDF: 399840.4/57

All: 10.535 $\pm$ 0.001 χ^2 /NDF: 879733.4/116

- sign 10.561 $\pm$ 0.001 χ^2 /NDF: 479050.1/58

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -60.629 ± 42.073 χ^2/NDF : 17.9/32

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 70.623 ± 41.922 χ^2/NDF : 18.6/35

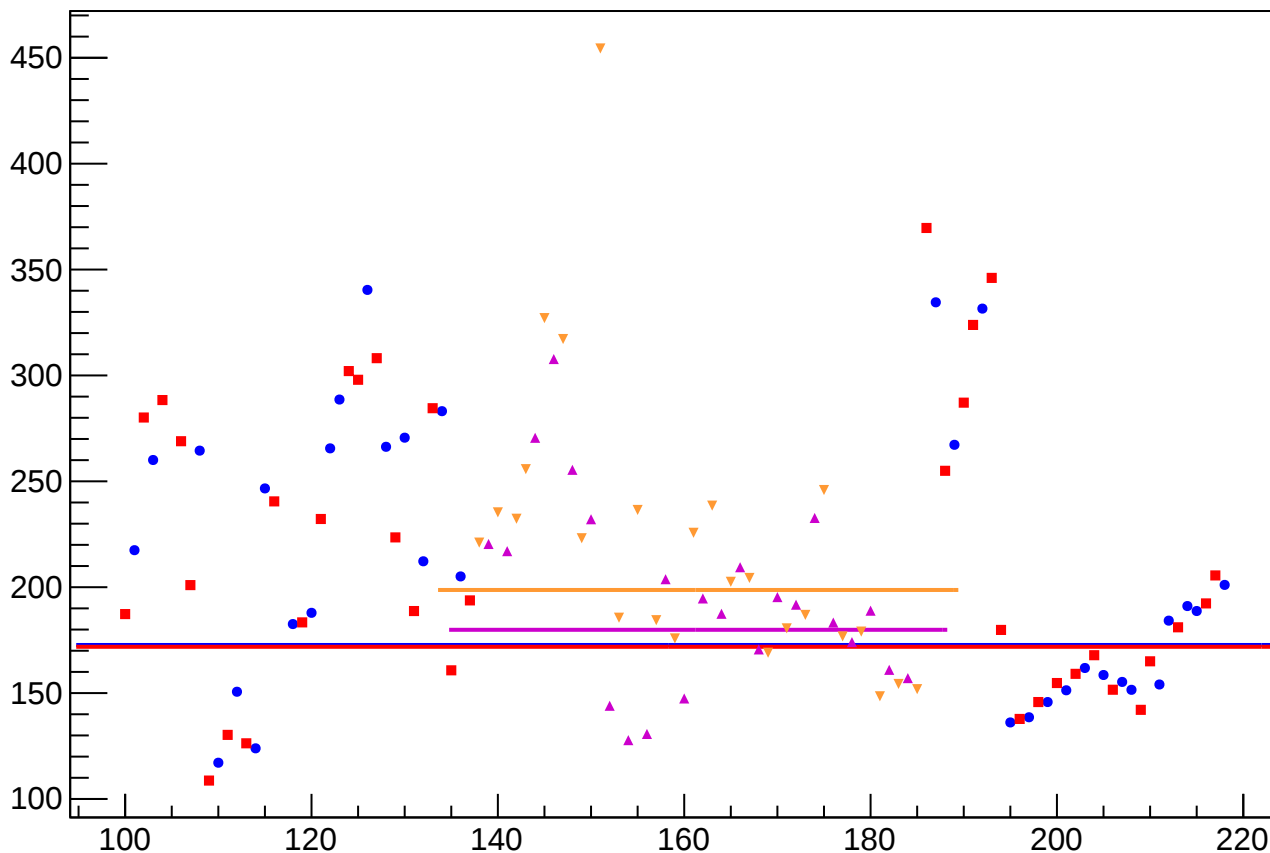
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign -29.137 ± 31.646 χ^2/NDF : 26.8/57

All: -2.336 ± 22.043 χ^2/NDF : 56.5/116

- sign 22.925 ± 30.723 χ^2/NDF : 28.3/58

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.720 $\pm$ 0.030 χ^2 /NDF: 2195423.9/32

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF:1759311.9/24

Right Out: 171.864 $\pm$ 0.030 χ^2 /NDF: 2854487.8/35

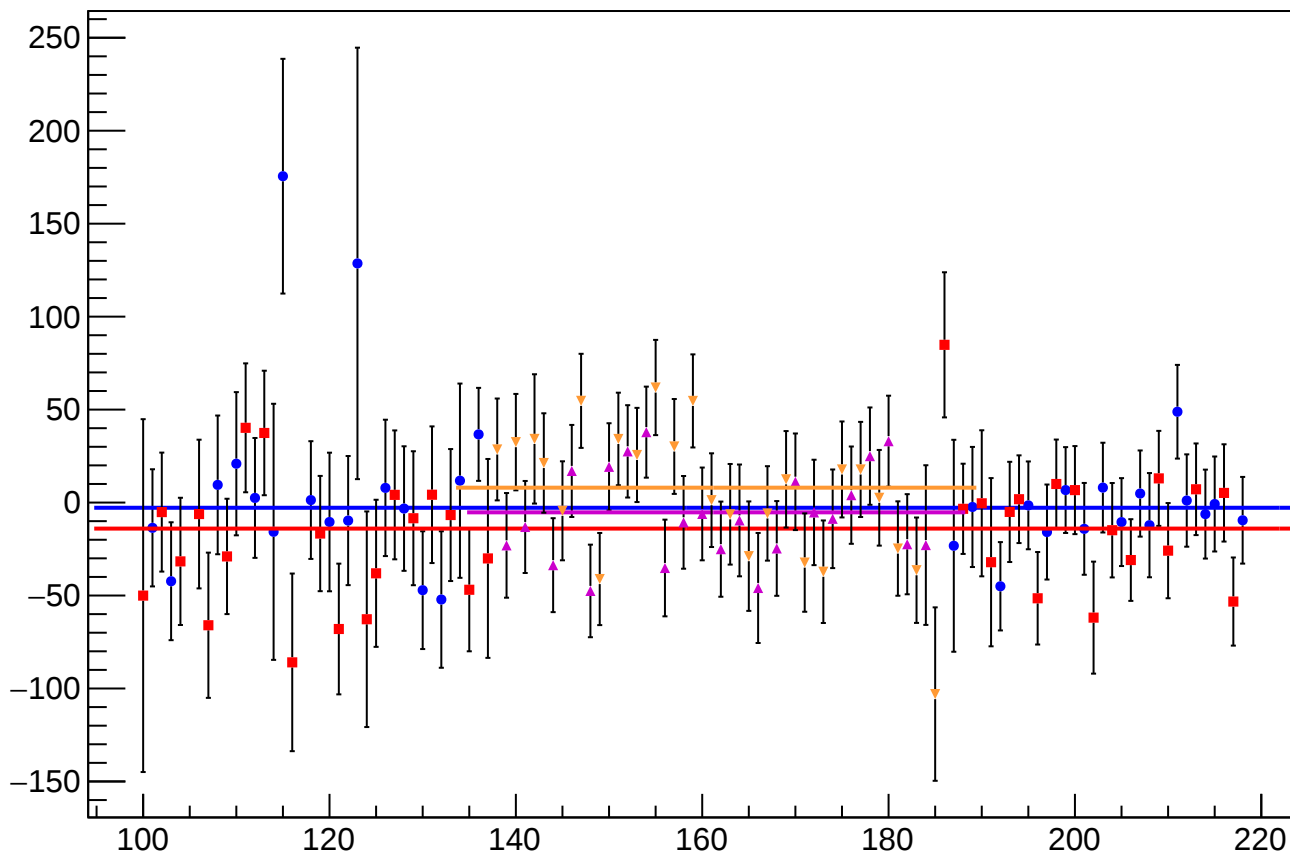
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

+ sign 184.000 $\pm$ 0.022 χ^2 /NDF: 4285777.5/57

All: 179.664 $\pm$ 0.016 χ^2 /NDF: 8827730.0/116

- sign 175.578 $\pm$ 0.022 χ^2 /NDF: 4469030.1/58

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.795 $\pm$ 5.156 χ^2/NDF : 26.8/32

Left Out: 8.004 $\pm$ 5.334 χ^2/NDF : 37.4/24

Right Out: -13.998 $\pm$ 5.123 χ^2/NDF : 34.7/35

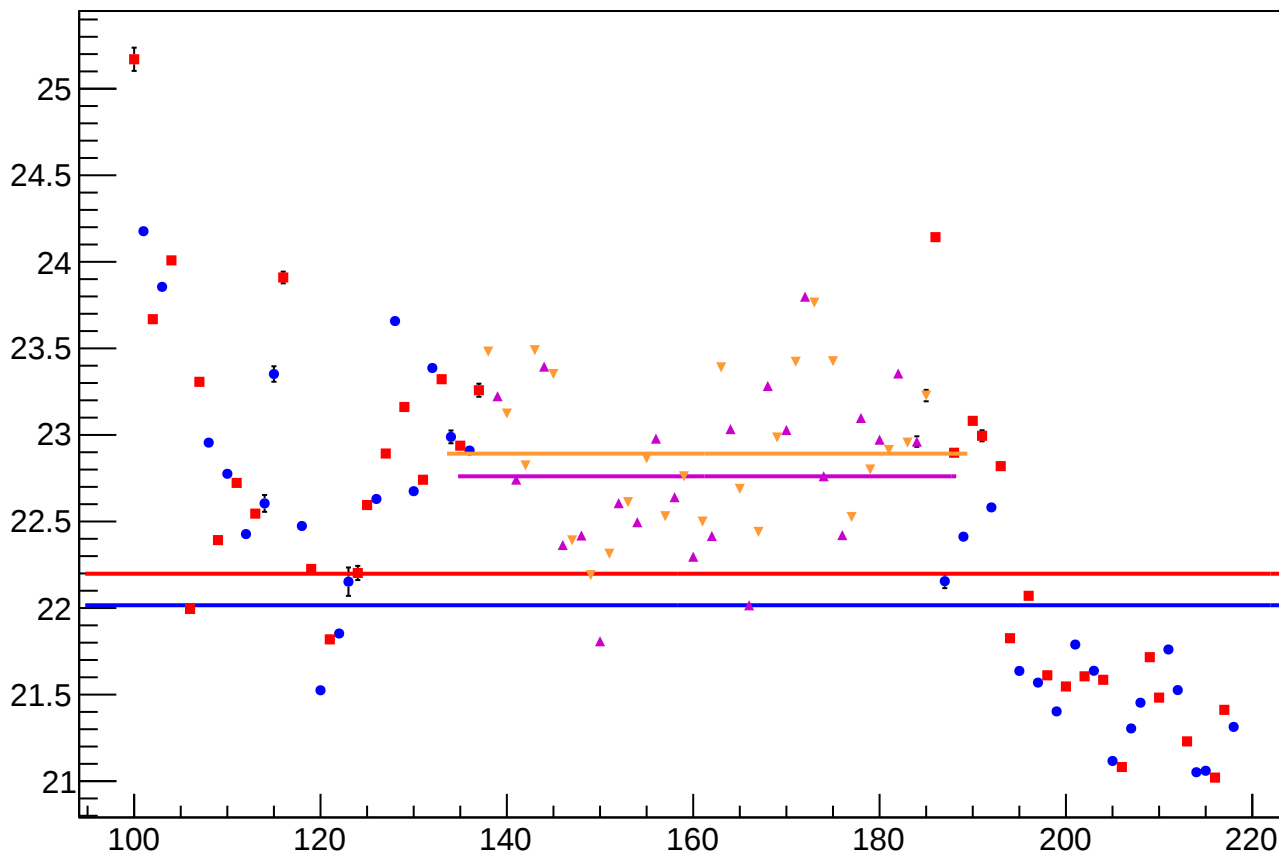
Left In: -5.261 $\pm$ 5.465 χ^2/NDF : 20.8/22

+ sign 2.421 $\pm$ 3.707 χ^2/NDF : 66.4/57

All: -3.694 $\pm$ 2.632 χ^2/NDF : 128.6/116

- sign -9.911 $\pm$ 3.738 χ^2/NDF : 56.8/58

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.016+/-0.004 χ^2/NDF : 51721.3/32

Left Out: 22.892+/-0.004 χ^2/NDF : 12995.5/24

Right Out: 22.198+/-0.004 χ^2/NDF : 54969.9/35

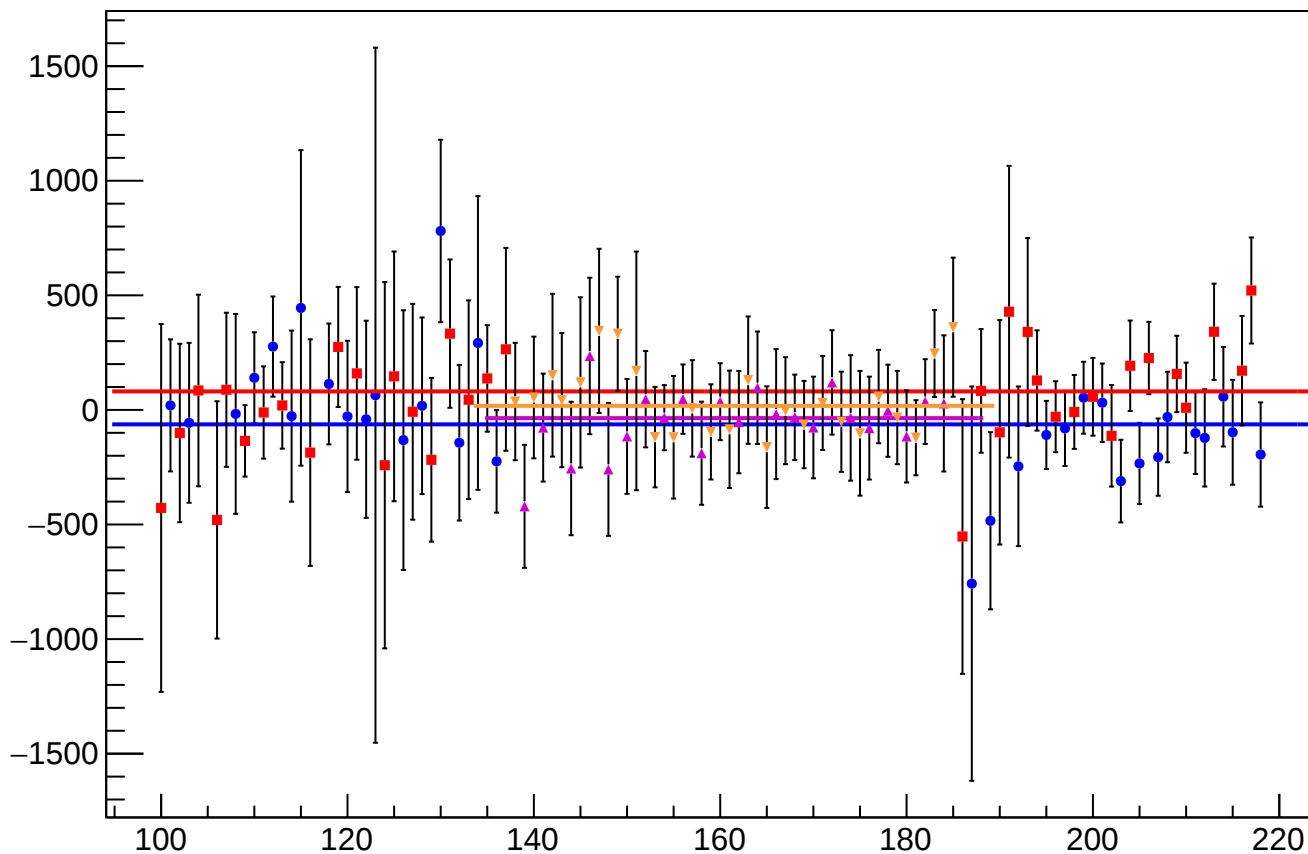
Left In: 22.761+/-0.004 χ^2/NDF : 14550.0/22

+ sign 22.439+/-0.003 χ^2/NDF : 92589.0/57

All: 22.450+/-0.002 χ^2/NDF : 173429.3/116

- sign 22.461+/-0.003 χ^2/NDF : 80804.4/58

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -63.007 ± 41.955 $\chi^2/\text{NDF}: 17.4/32$

Left Out: 17.777 ± 47.941 $\chi^2/\text{NDF}: 8.5/24$

Right Out: 80.786 ± 41.746 $\chi^2/\text{NDF}: 17.1/35$

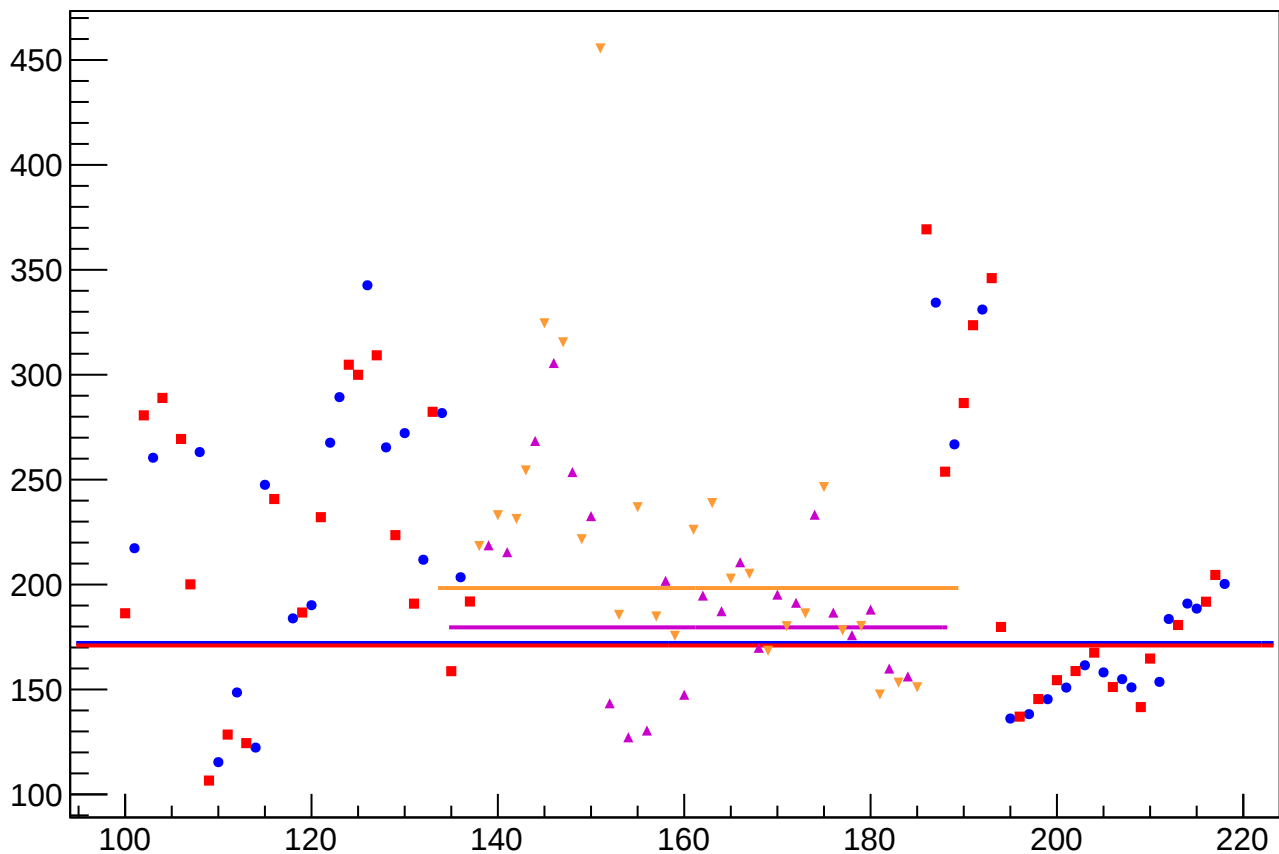
Left In: -35.879 ± 45.087 $\chi^2/\text{NDF}: 6.3/22$

+ sign -27.971 ± 31.572 $\chi^2/\text{NDF}: 27.6/57$

All: 0.312 ± 21.985 $\chi^2/\text{NDF}: 56.2/116$

- sign 26.936 ± 30.632 $\chi^2/\text{NDF}: 27.0/58$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.166 $\pm$ 0.030 χ^2 /NDF: 2226350.7/32

Left Out: 198.344 $\pm$ 0.034 χ^2 /NDF:1757450.6/24

Right Out: 170.962 $\pm$ 0.030 χ^2 /NDF: 2923459.9/35

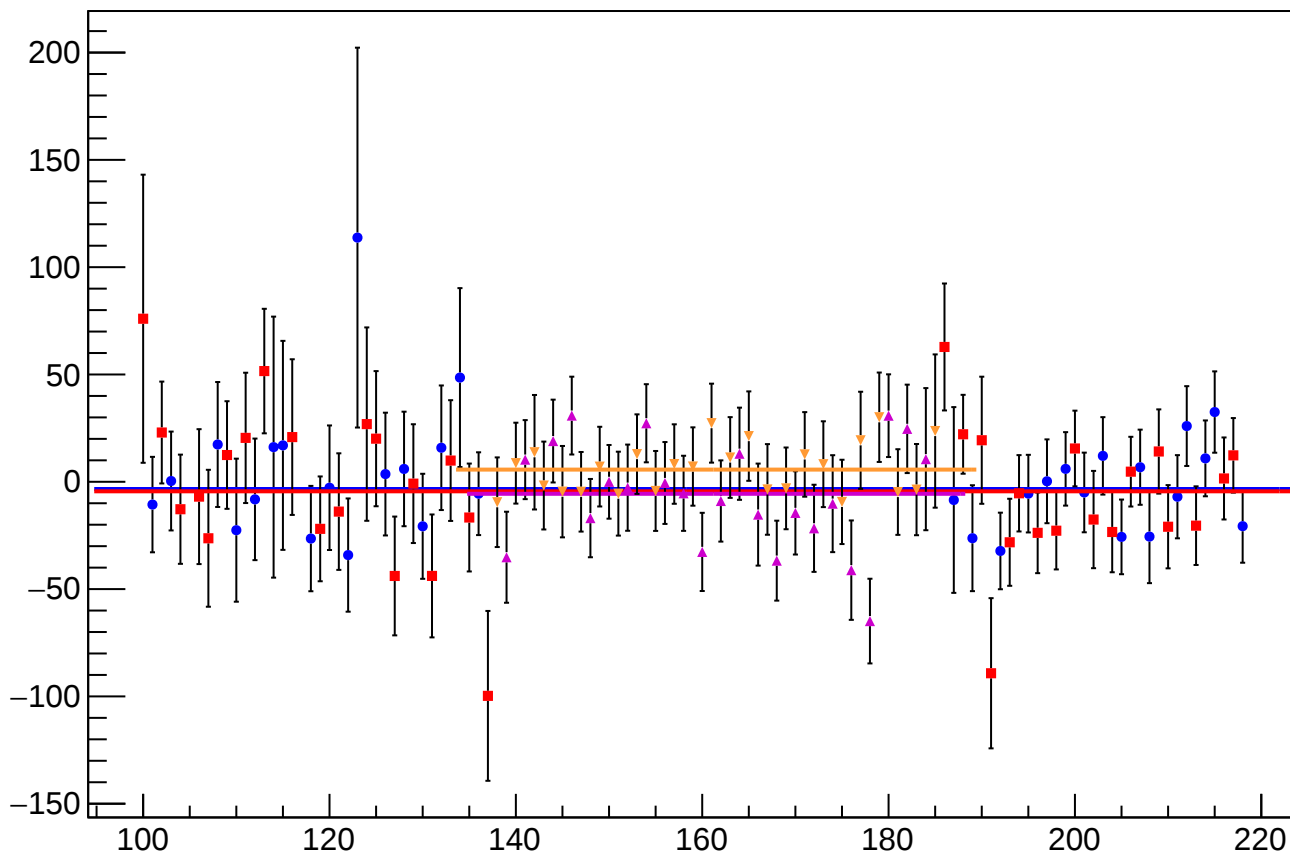
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF:1575744.0/22

+ sign 183.519 $\pm$ 0.022 χ^2 /NDF: 4321487.4/57

All: 179.106 $\pm$ 0.016 χ^2 /NDF: 8936124.0/116

- sign 174.952 $\pm$ 0.022 χ^2 /NDF: 4538770.4/58

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.366 ± 3.918 χ^2/NDF : 23.4/32

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: -4.438 ± 3.903 χ^2/NDF : 44.3/35

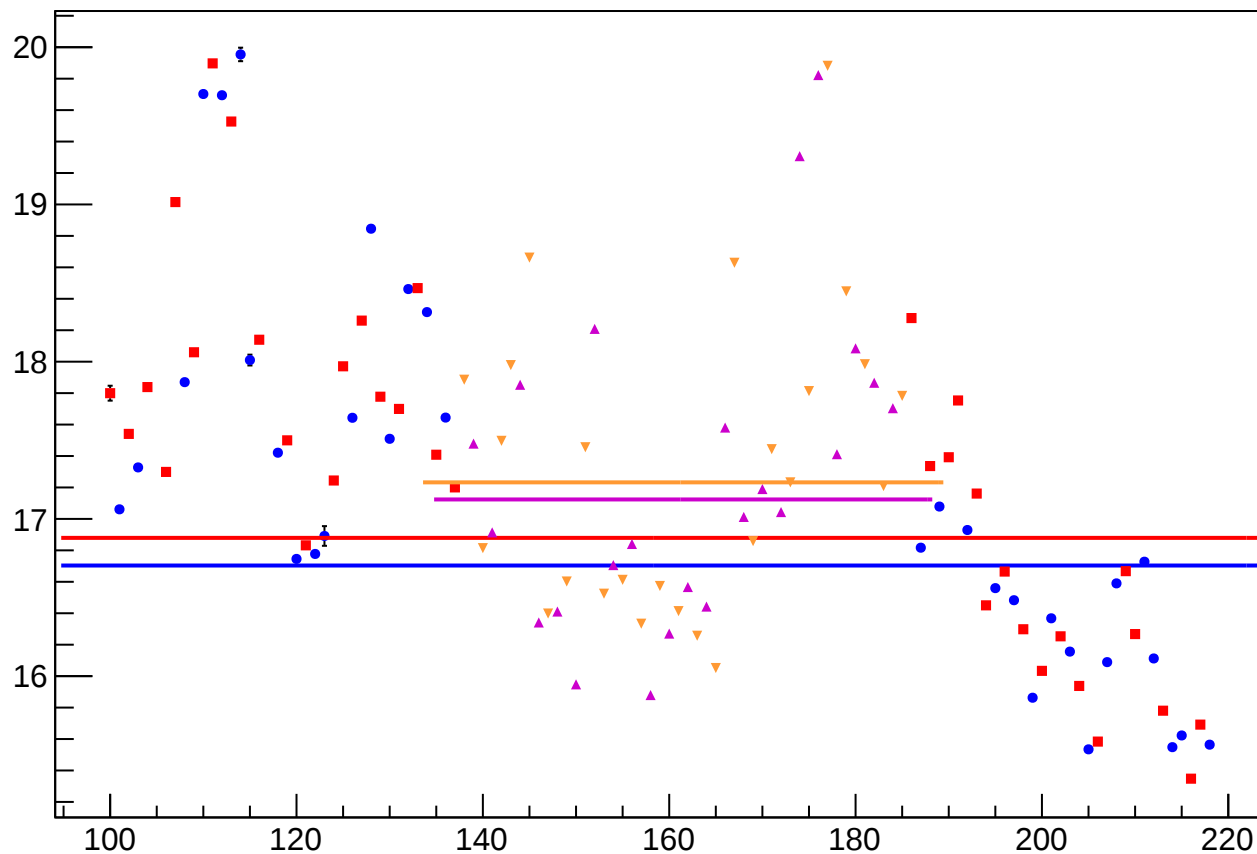
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 1.037 ± 2.807 χ^2/NDF : 33.7/57

All: -1.945 ± 1.994 χ^2/NDF : 116.7/116

- sign -4.985 ± 2.834 χ^2/NDF : 80.7/58

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.704 $\pm$ 0.003 χ^2 /NDF: 130986.2/32

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF: 98701.0/24

Right Out: 16.879 $\pm$ 0.003 χ^2 /NDF: 144262.5/35

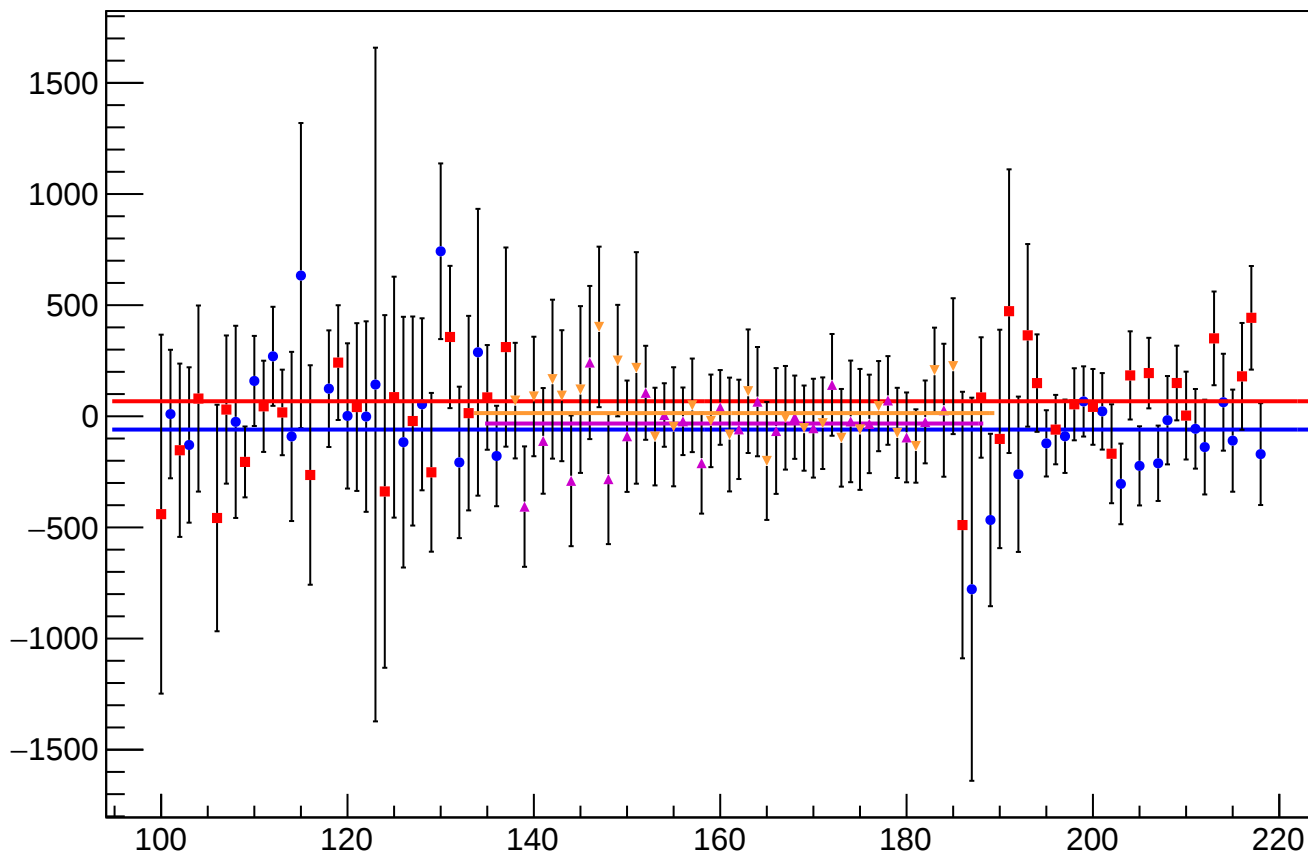
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 16.961 $\pm$ 0.002 χ^2 /NDF: 247428.5/57

All: 16.978 $\pm$ 0.001 χ^2 /NDF: 496289.2/116

- sign 16.995 $\pm$ 0.002 χ^2 /NDF: 248715.5/58

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -59.695 ± 42.199 χ^2/NDF : 17.5/32

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 67.663 ± 42.034 χ^2/NDF : 17.8/35

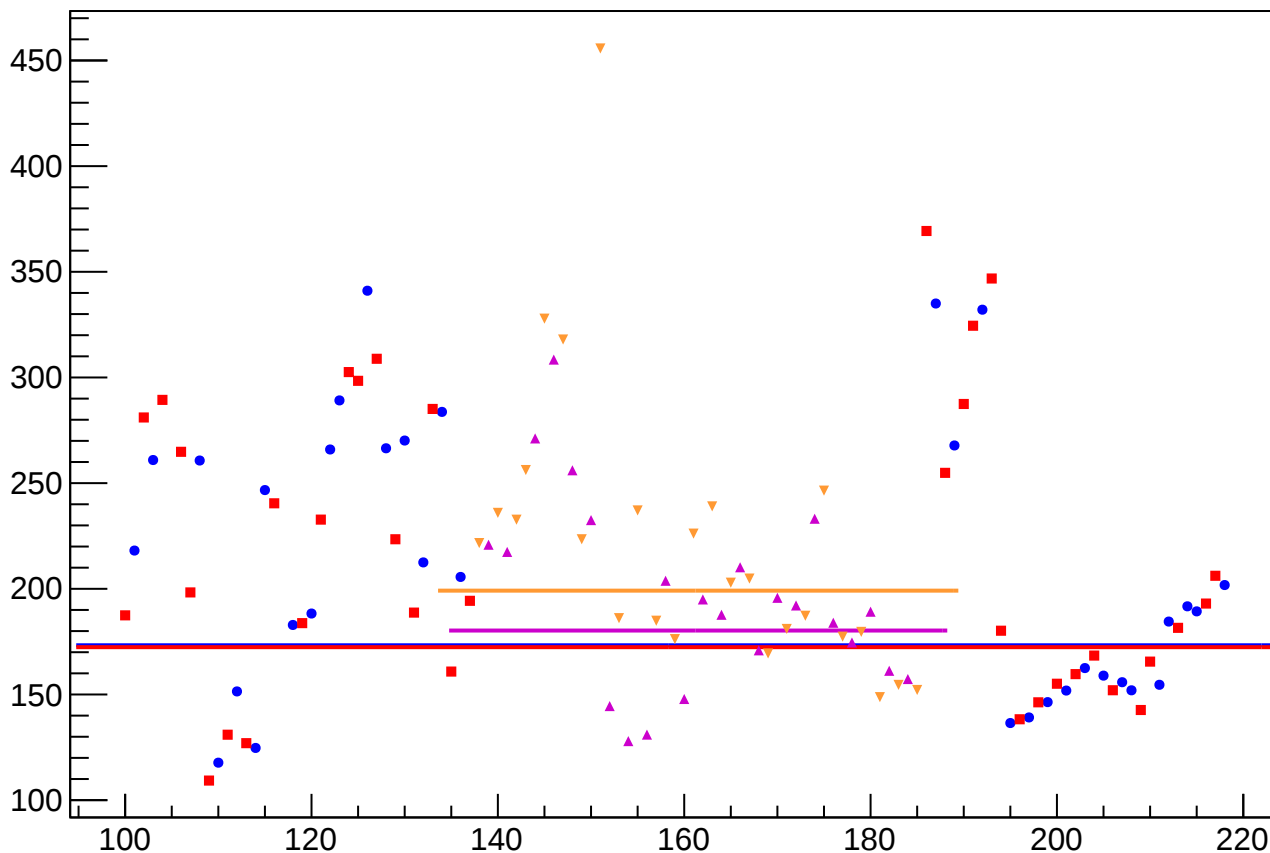
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign -27.508 ± 31.730 χ^2/NDF : 25.7/57

All: -2.411 ± 22.099 χ^2/NDF : 54.0/116

- sign 21.232 ± 30.796 χ^2/NDF : 27.1/58

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 173.283 $\pm$ 0.030 χ^2 /NDF: 2177174.4/32

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF: 1760298.1/24

Right Out: 172.383 $\pm$ 0.030 χ^2 /NDF: 2829903.1/35

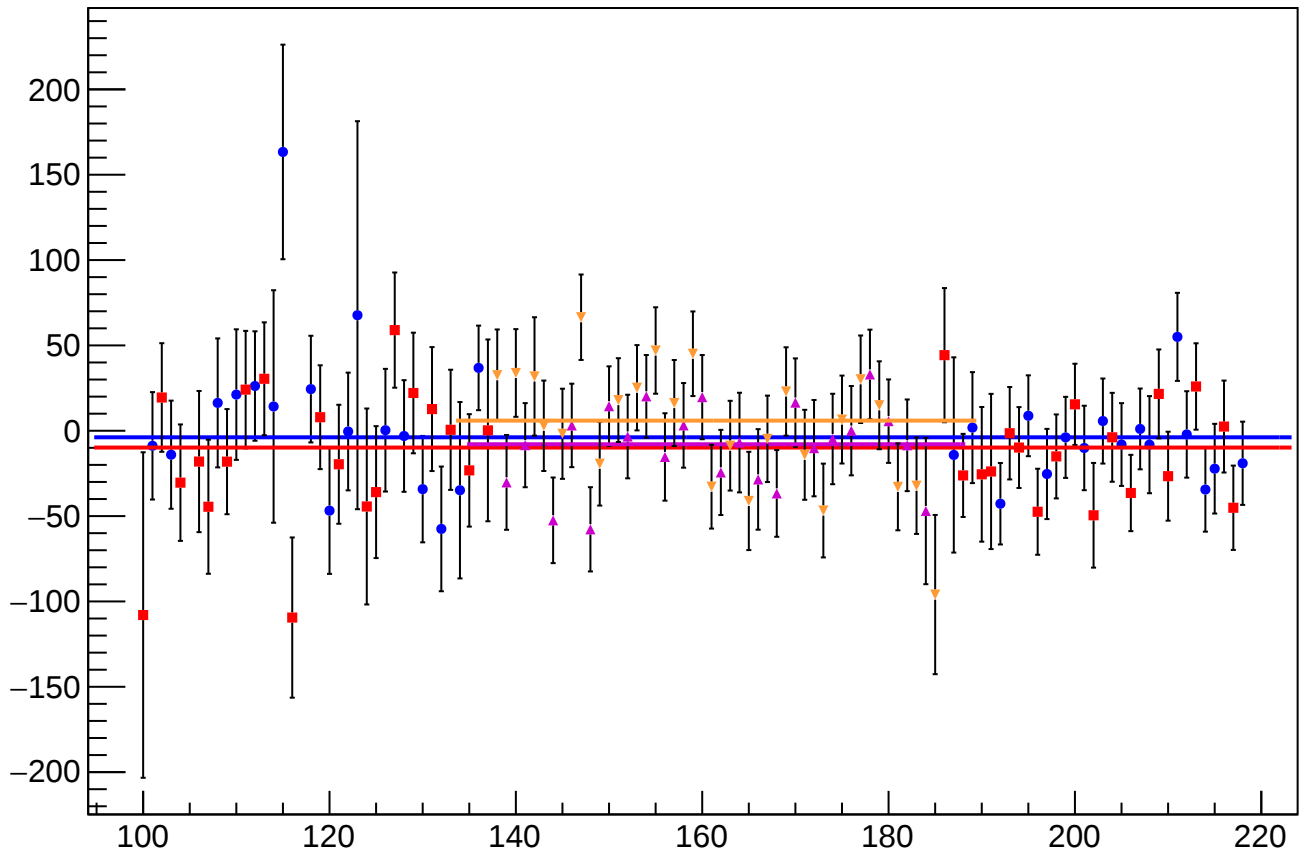
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF: 1580553.5/22

+ sign 184.519 $\pm$ 0.022 χ^2 /NDF: 4263738.5/57

All: 180.148 $\pm$ 0.016 χ^2 /NDF: 8780402.1/116

- sign 176.030 $\pm$ 0.022 χ^2 /NDF: 4442956.9/58

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.834 $\pm$ 5.213 χ^2/NDF : 29.2/32

Left Out: 5.937 $\pm$ 5.285 χ^2/NDF : 36.1/24

Right Out: -9.843 $\pm$ 5.163 χ^2/NDF : 32.4/35

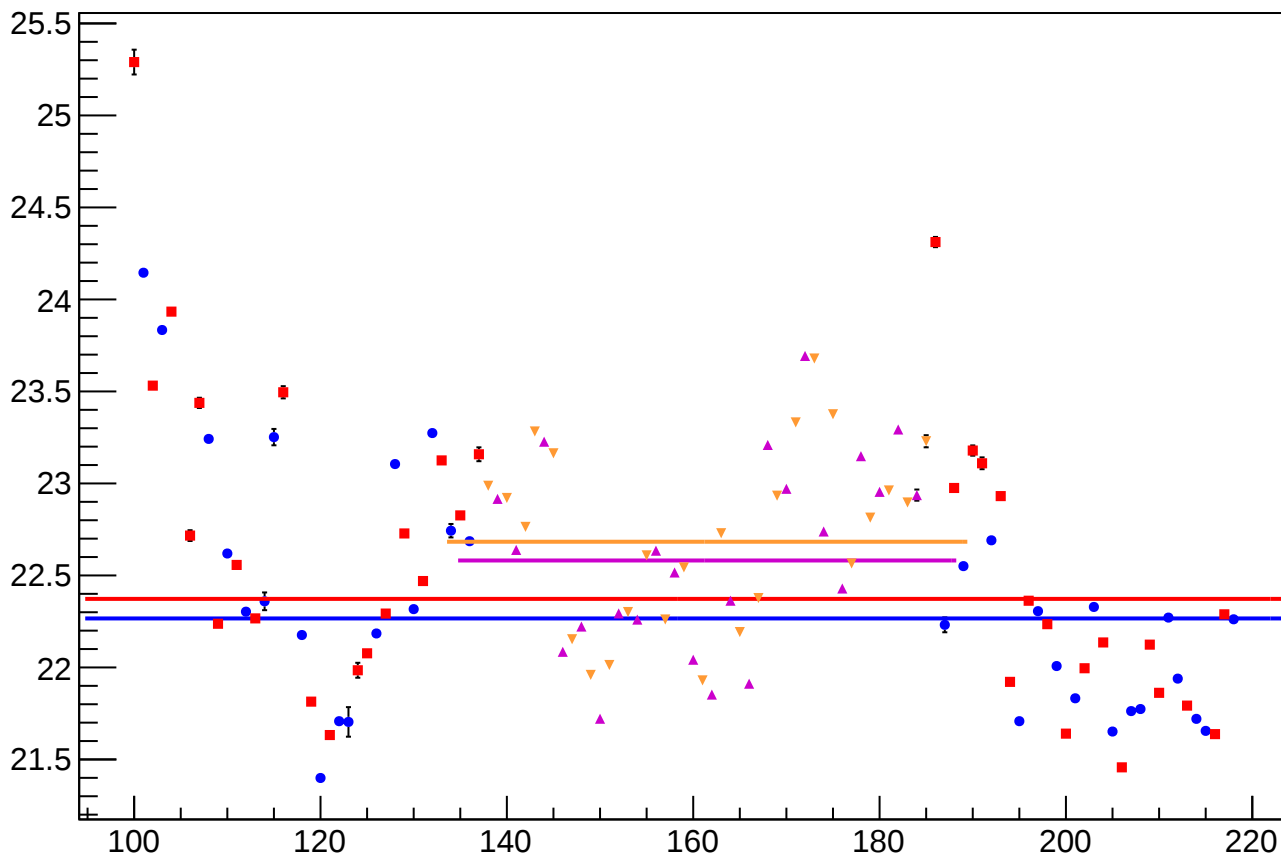
Left In: -7.915 $\pm$ 5.422 χ^2/NDF : 18.7/22

+ sign 0.985 $\pm$ 3.712 χ^2/NDF : 67.1/57

All: -3.934 $\pm$ 2.634 χ^2/NDF : 121.7/116

- sign -8.926 $\pm$ 3.739 χ^2/NDF : 51.1/58

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.266 $\pm$ 0.004 χ^2 /NDF: 27265.4/32

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16320.2/24

Right Out: 22.373 $\pm$ 0.004 χ^2 /NDF: 33654.5/35

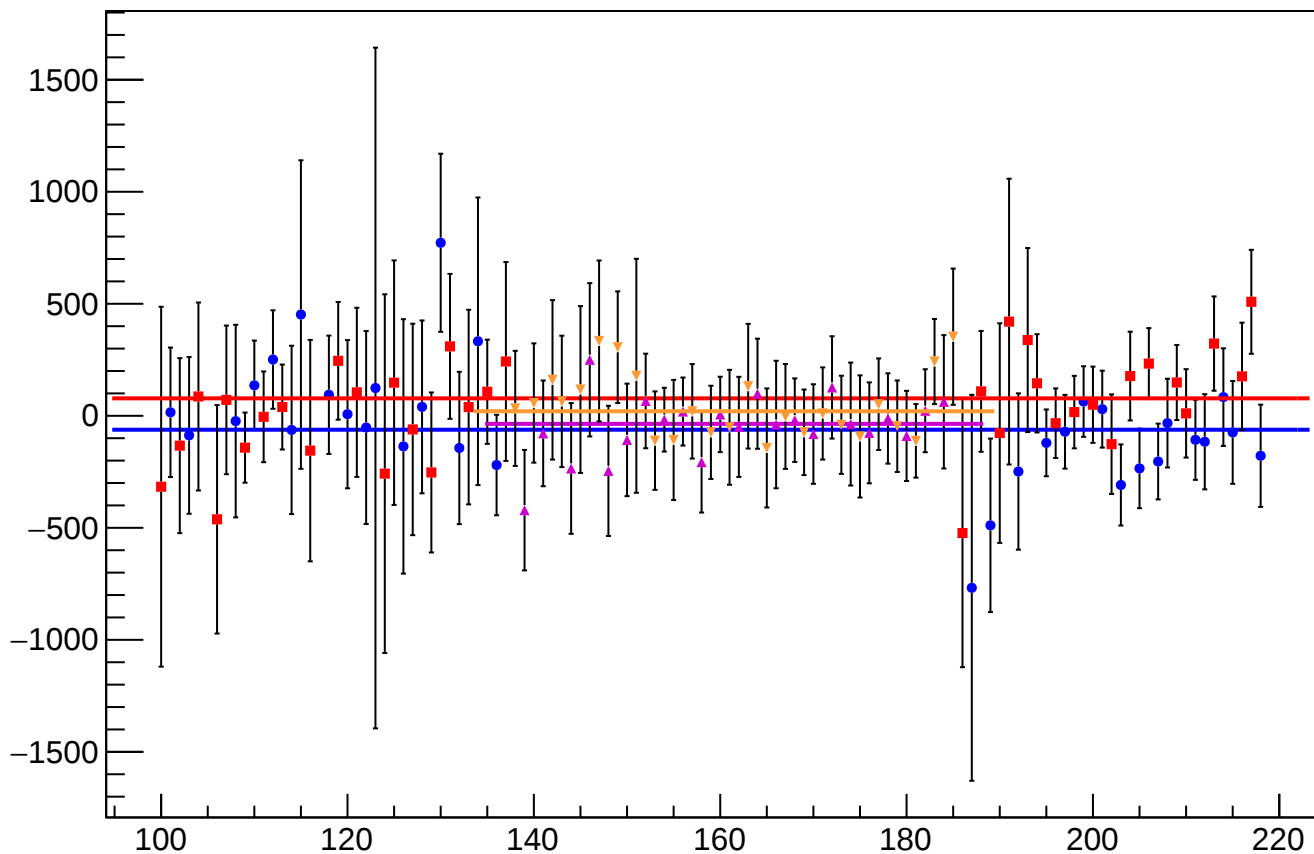
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.472 $\pm$ 0.003 χ^2 /NDF: 49893.4/57

All: 22.472 $\pm$ 0.002 χ^2 /NDF: 103006.7/116

- sign 22.472 $\pm$ 0.003 χ^2 /NDF: 53113.3/58

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -62.144 ± 42.081 $\chi^2/\text{NDF}: 17.1/32$

Left Out: 20.306 ± 48.049 $\chi^2/\text{NDF}: 7.7/24$

Right Out: 77.875 ± 41.859 $\chi^2/\text{NDF}: 16.2/35$

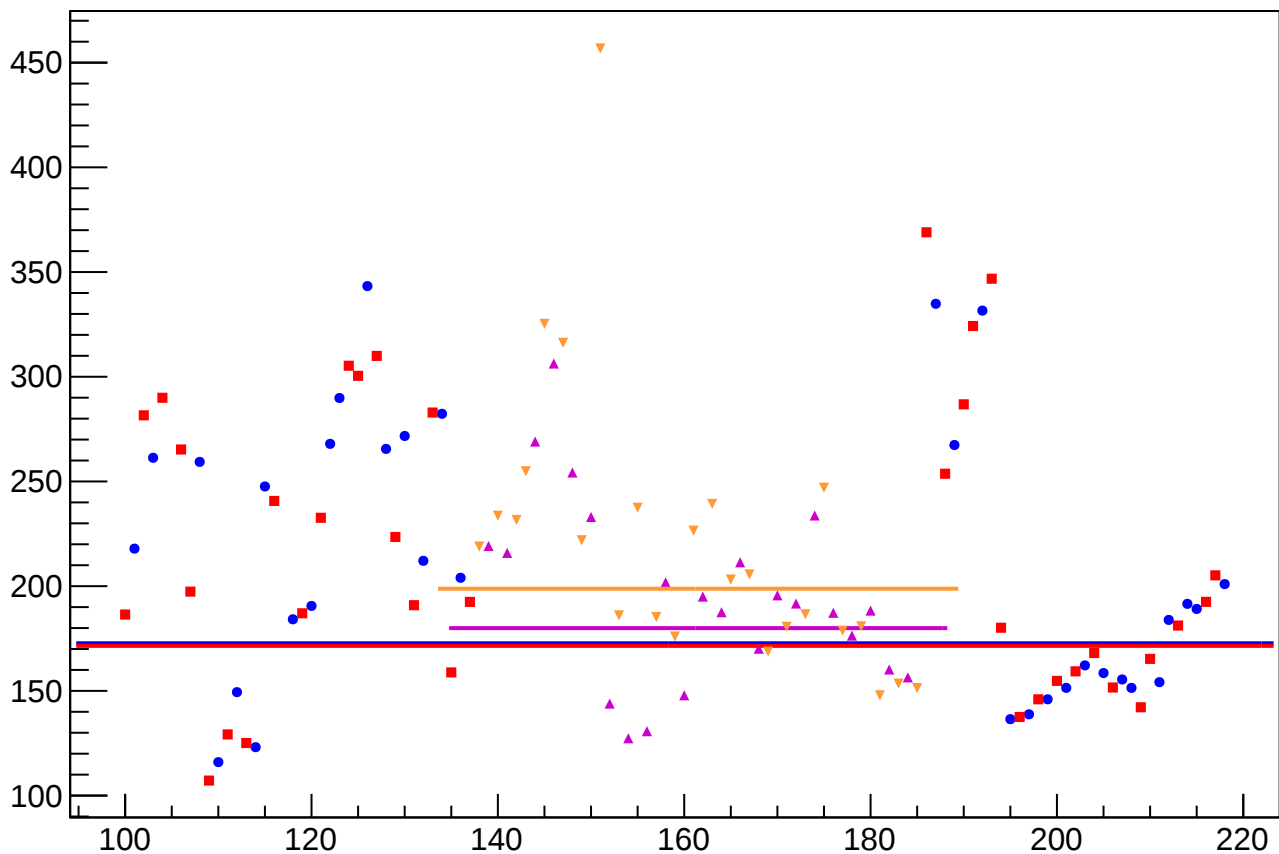
Left In: -35.996 ± 45.180 $\chi^2/\text{NDF}: 6.1/22$

+ sign -26.354 ± 31.657 $\chi^2/\text{NDF}: 26.5/57$

All: 0.249 ± 22.041 $\chi^2/\text{NDF}: 53.5/116$

- sign 25.278 ± 30.706 $\chi^2/\text{NDF}: 25.7/58$

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 172.734 $\pm$ 0.030 χ^2 /NDF: 2207499.6/32

Left Out: 198.784 $\pm$ 0.034 χ^2 /NDF:1758481.8/24

Right Out: 171.488 $\pm$ 0.030 χ^2 /NDF: 2897939.3/35

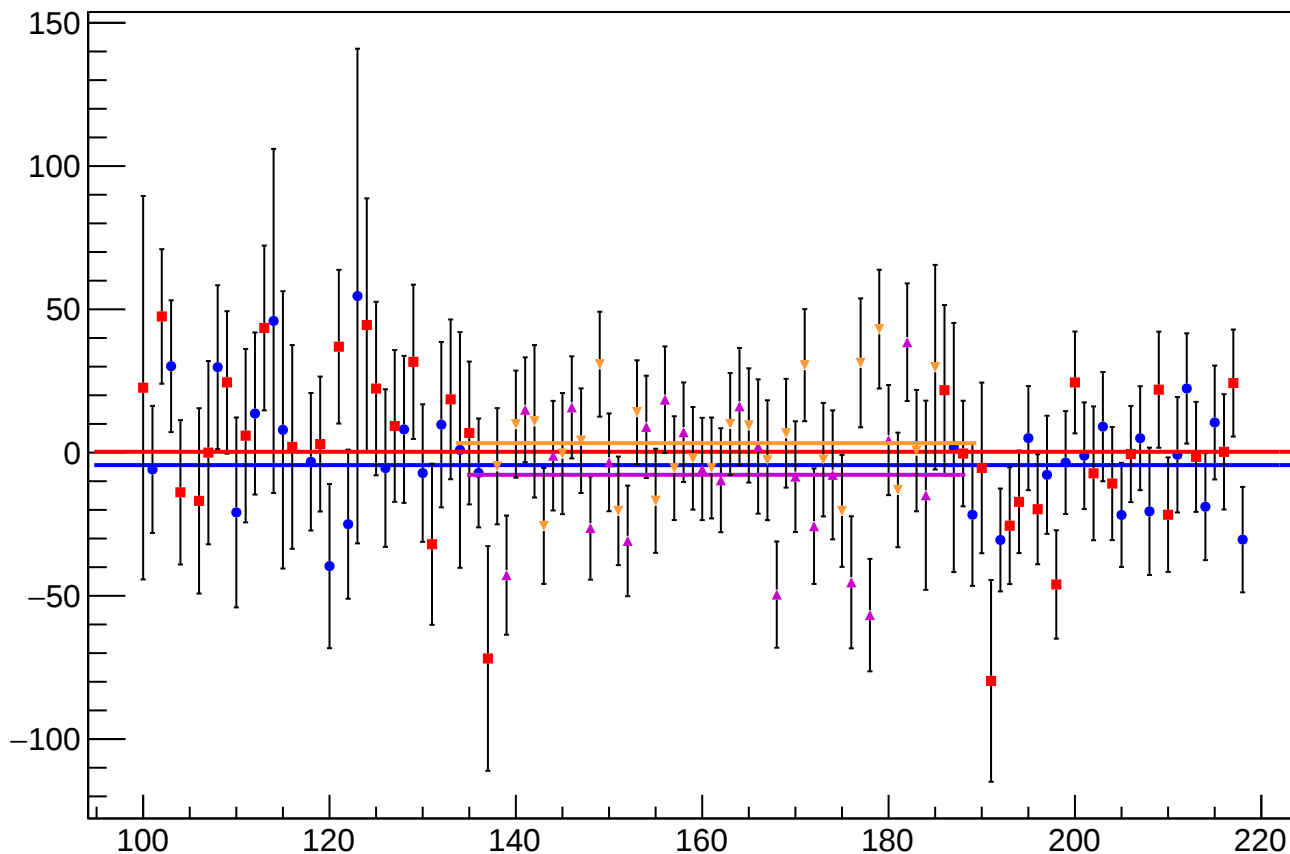
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 184.042 $\pm$ 0.022 χ^2 /NDF: 4298684.9/57

All: 179.593 $\pm$ 0.016 χ^2 /NDF: 8887131.6/116

- sign 175.407 $\pm$ 0.022 χ^2 /NDF: 4511779.6/58

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.374 $\pm$ 3.994 χ^2/NDF : 18.5/32

Left Out: 3.307 $\pm$ 3.954 χ^2/NDF : 18.7/24

Right Out: 0.281 $\pm$ 3.958 χ^2/NDF : 39.7/35

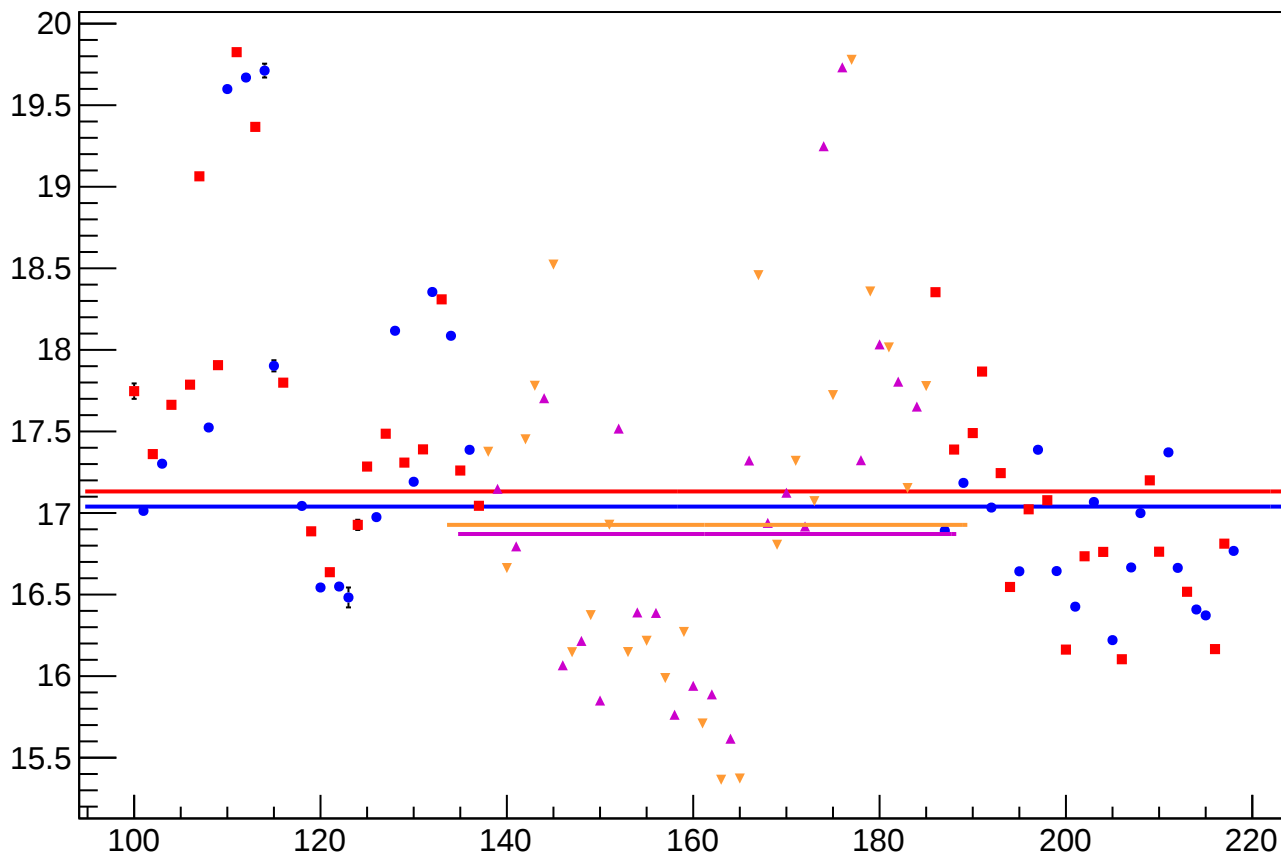
Left In: -7.756 $\pm$ 4.061 χ^2/NDF : 34.3/22

+ sign -0.495 $\pm$ 2.810 χ^2/NDF : 39.1/57

All: -2.051 $\pm$ 1.995 χ^2/NDF : 115.8/116

- sign -3.635 $\pm$ 2.834 χ^2/NDF : 76.0/58

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.039 $\pm$ 0.003 χ^2/NDF : 61751.1/32

Left Out: 16.927 $\pm$ 0.003 χ^2/NDF : 138533.2/24

Right Out: 17.132 $\pm$ 0.003 χ^2/NDF : 75077.1/35

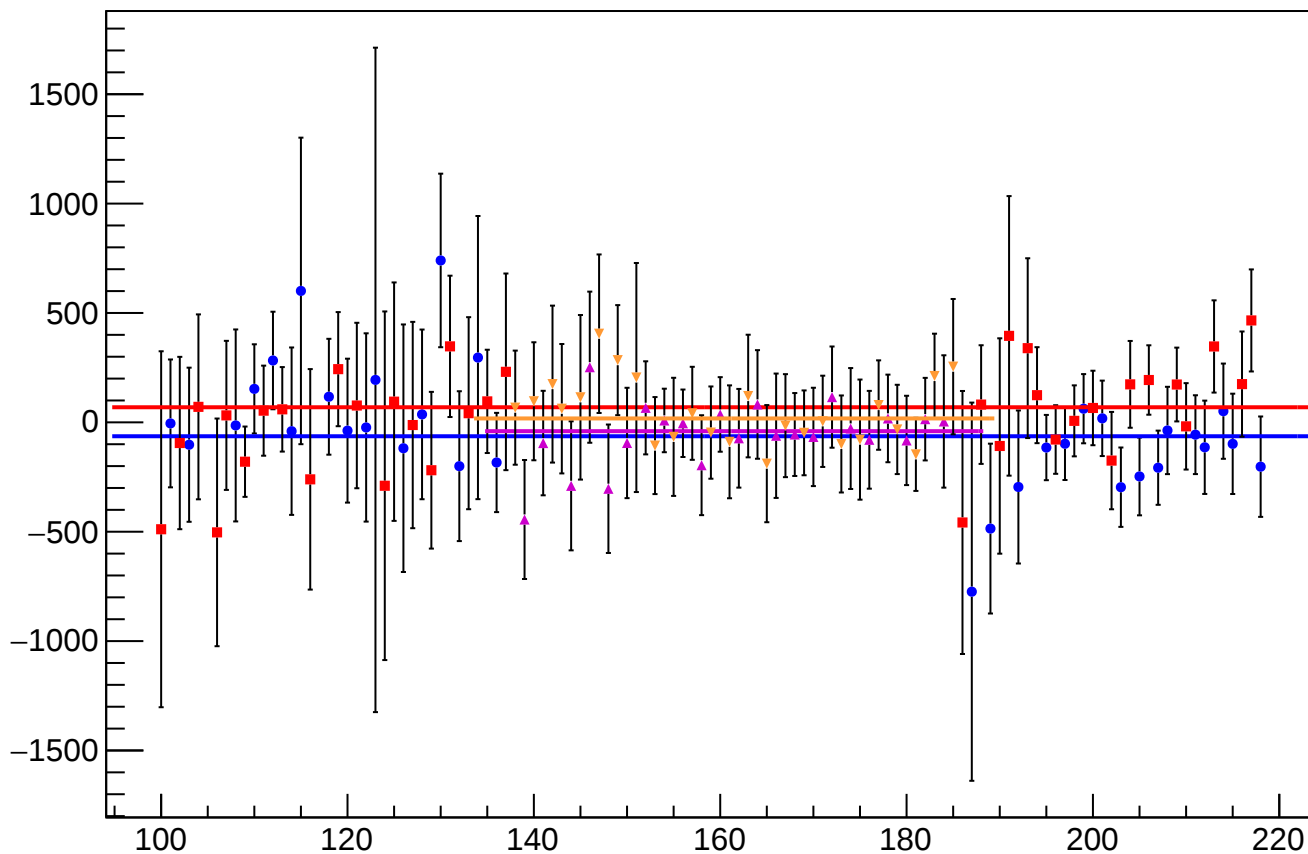
Left In: 16.871 $\pm$ 0.003 χ^2/NDF : 117993.8/22

+ sign 16.983 $\pm$ 0.002 χ^2/NDF : 201079.2/57

All: 16.994 $\pm$ 0.001 χ^2/NDF : 398445.6/116

- sign 17.005 $\pm$ 0.002 χ^2/NDF : 197303.8/58

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -63.572 ± 42.307 χ^2/NDF : 17.4/32

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 68.955 ± 42.161 χ^2/NDF : 17.1/35

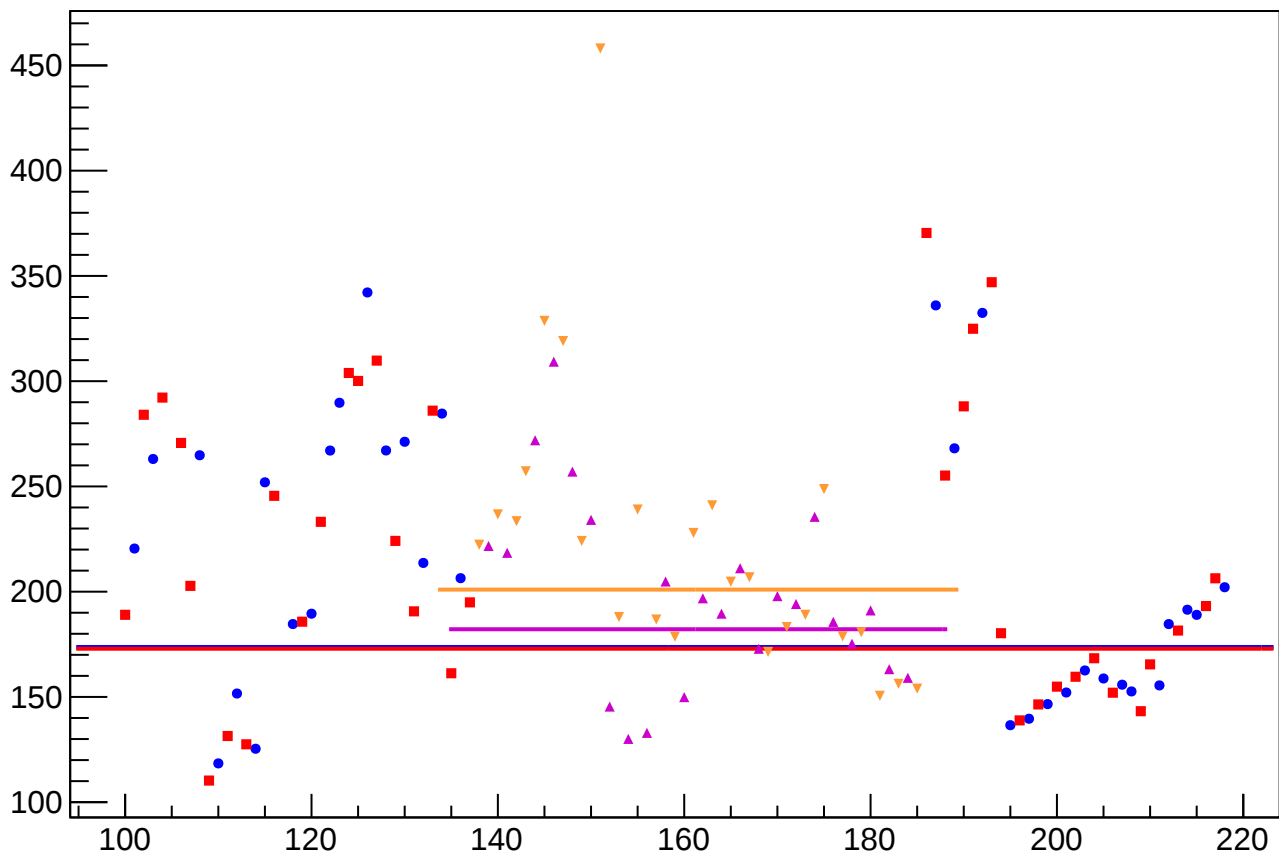
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign -28.437 ± 31.895 χ^2/NDF : 26.5/57

All: -4.195 ± 22.224 χ^2/NDF : 54.4/116

- sign 18.682 ± 30.985 χ^2/NDF : 26.8/58

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 173.708 $\pm$ 0.030 χ^2 /NDF: 2188909.3/32

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF:1727291.4/24

Right Out: 172.911 $\pm$ 0.030 χ^2 /NDF: 2838609.7/35

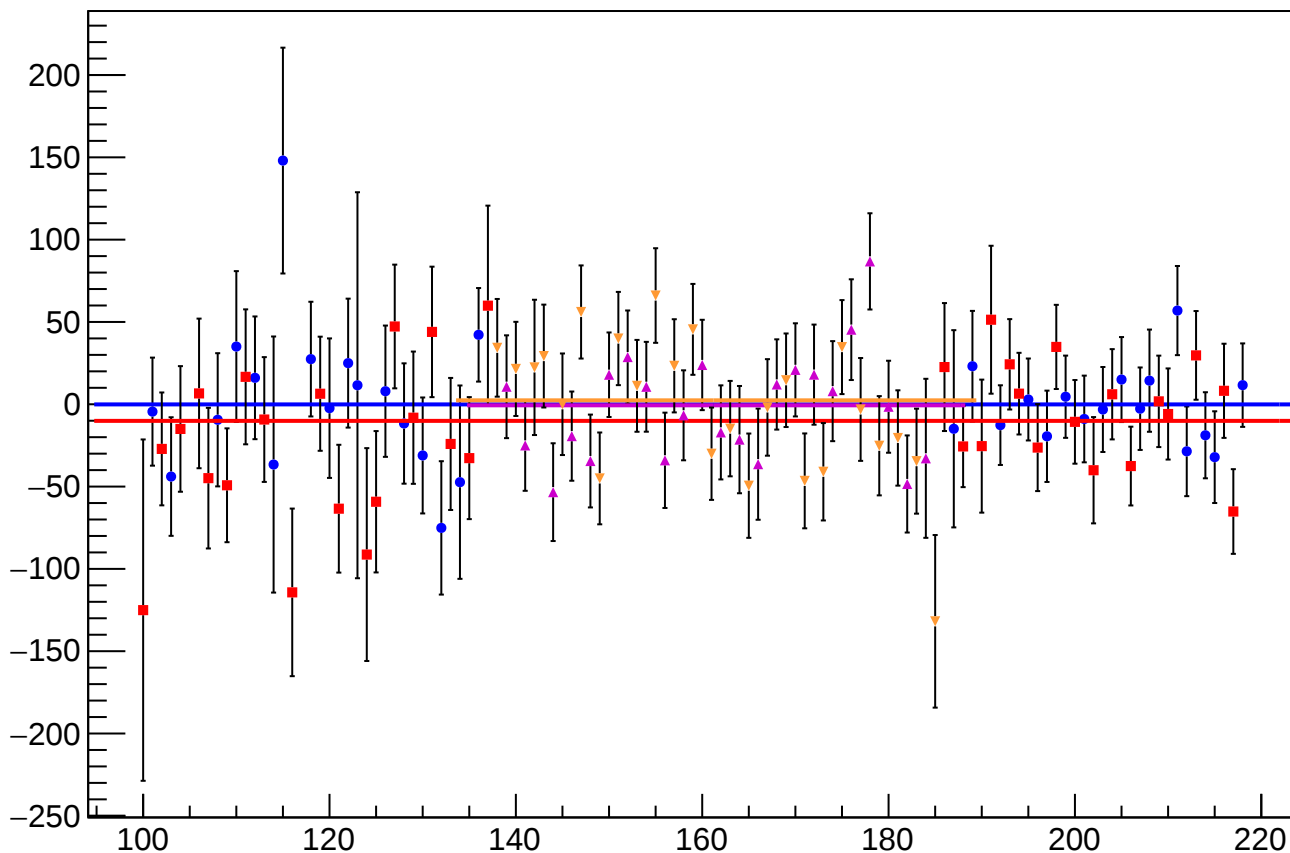
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF:1535922.8/22

+ sign 185.482 $\pm$ 0.023 χ^2 /NDF: 4275068.4/57

All: 181.202 $\pm$ 0.016 χ^2 /NDF: 8763829.2/116

- sign 177.164 $\pm$ 0.022 χ^2 /NDF: 4418781.3/58

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.081 ± 5.608 $\chi^2/\text{NDF}: 25.1/32$

Left Out: 2.390 ± 5.980 $\chi^2/\text{NDF}: 39.1/24$

Right Out: -10.086 ± 5.533 $\chi^2/\text{NDF}: 37.7/35$

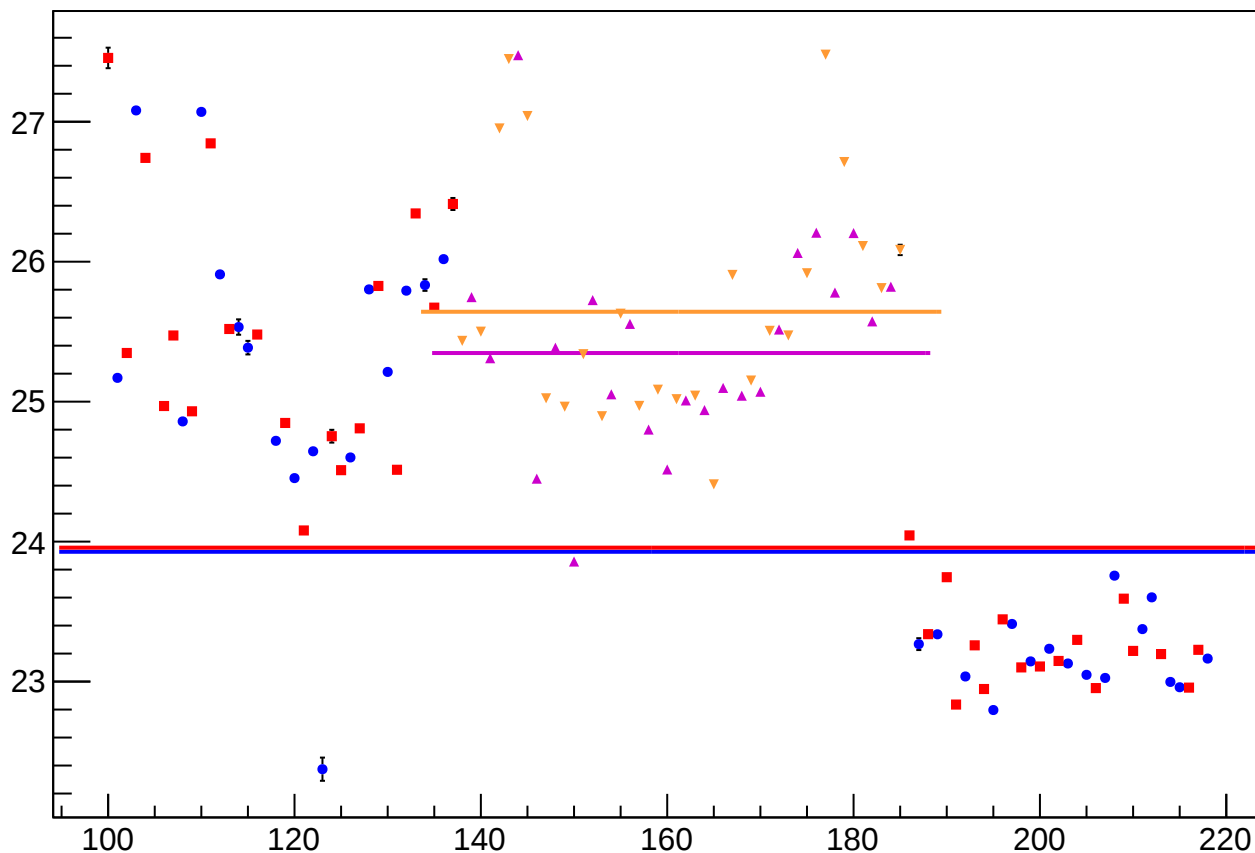
Left In: -0.641 ± 6.091 $\chi^2/\text{NDF}: 27.3/22$

+ sign 1.075 ± 4.091 $\chi^2/\text{NDF}: 64.3/57$

All: -2.366 ± 2.894 $\chi^2/\text{NDF}: 132.0/116$

- sign -5.816 ± 4.096 $\chi^2/\text{NDF}: 66.3/58$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 23.927 $\pm$ 0.004 χ^2 /NDF: 90616.8/32

Left Out: 25.642 $\pm$ 0.004 χ^2 /NDF:34802.2/24

Right Out: 23.957 $\pm$ 0.004 χ^2 /NDF: 84555.1/35

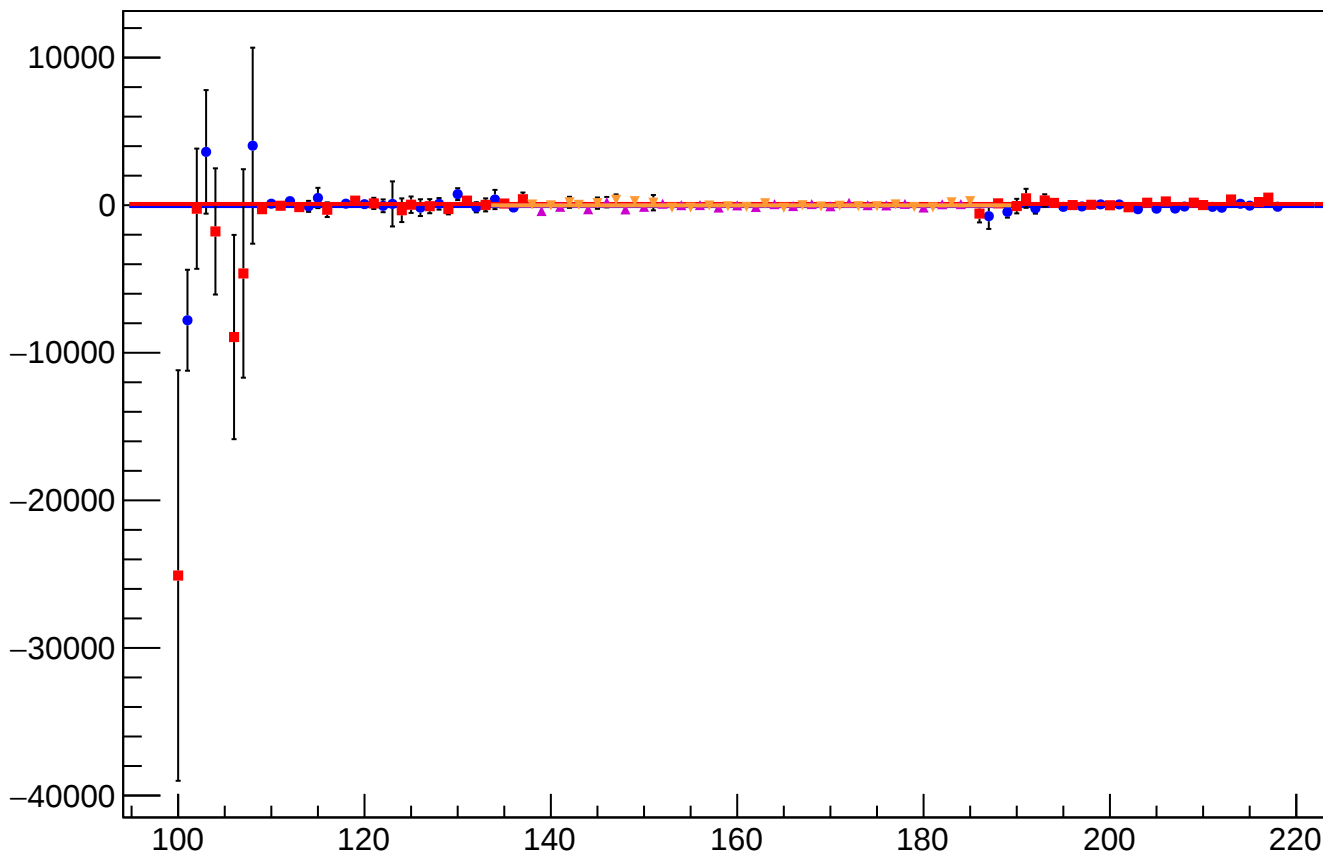
Left In: 25.347 $\pm$ 0.004 χ^2 /NDF:29389.5/22

+ sign 24.730 $\pm$ 0.003 χ^2 /NDF: 212927.5/57

All: 24.658 $\pm$ 0.002 χ^2 /NDF: 385224.6/116

- sign 24.586 $\pm$ 0.003 χ^2 /NDF: 171052.8/58

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -59.613 $\pm$ 44.093 χ^2 /NDF: 22.3/32

Left Out: -11.432 $\pm$ 48.263 χ^2 /NDF: 8.0/24

Right Out: 83.356 $\pm$ 44.566 χ^2 /NDF: 24.4/35

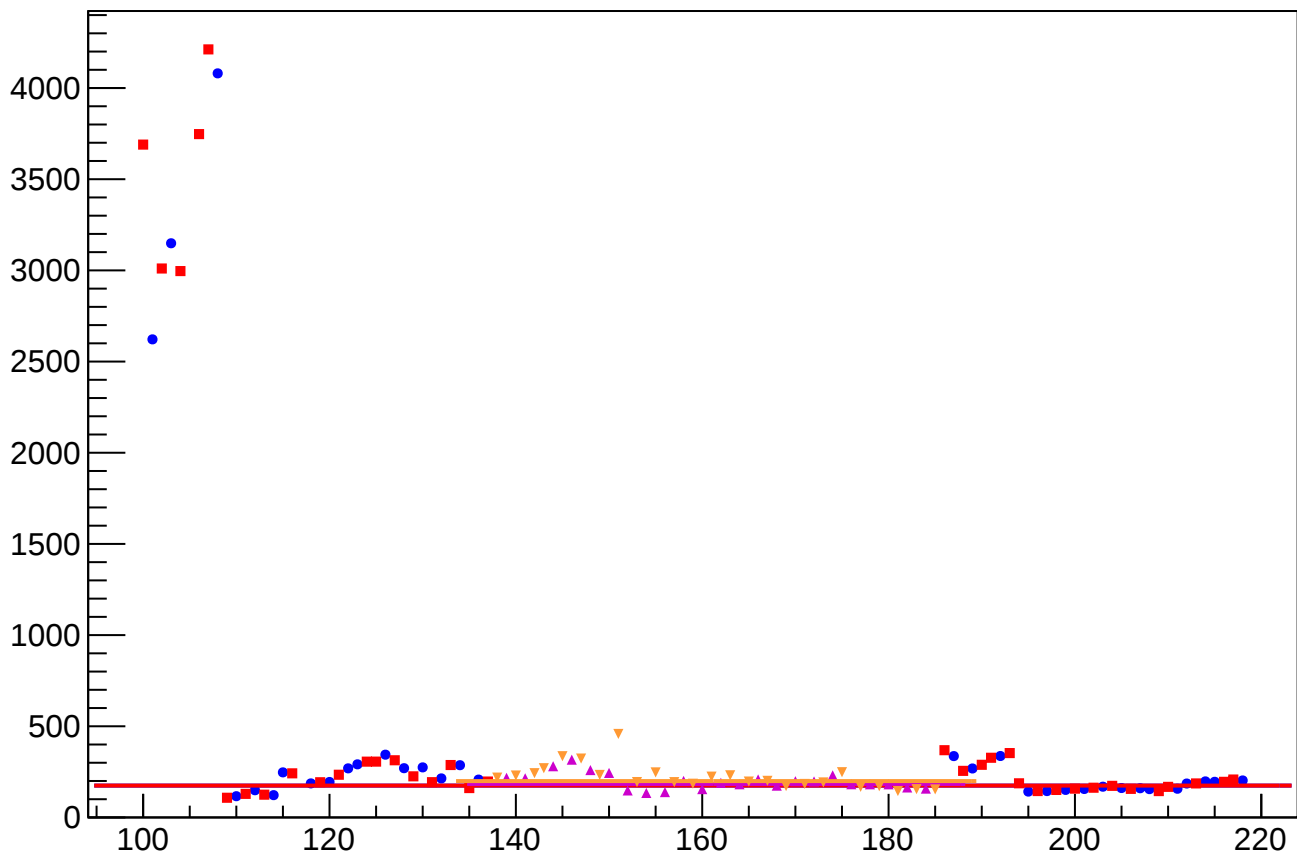
Left In: -27.098 $\pm$ 45.999 χ^2 /NDF: 7.2/22

+ sign -37.693 $\pm$ 32.553 χ^2 /NDF: 30.9/57

All: -3.338 $\pm$ 22.823 χ^2 /NDF: 67.6/116

- sign 29.876 $\pm$ 32.007 χ^2 /NDF: 34.6/58

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.678+/-0.031 χ^2/NDF : 4600755.8/32

Left Out: 199.438+/-0.034 χ^2/NDF : 1877848.7/24

Right Out: 174.748+/-0.032 χ^2/NDF : 5460579.2/35

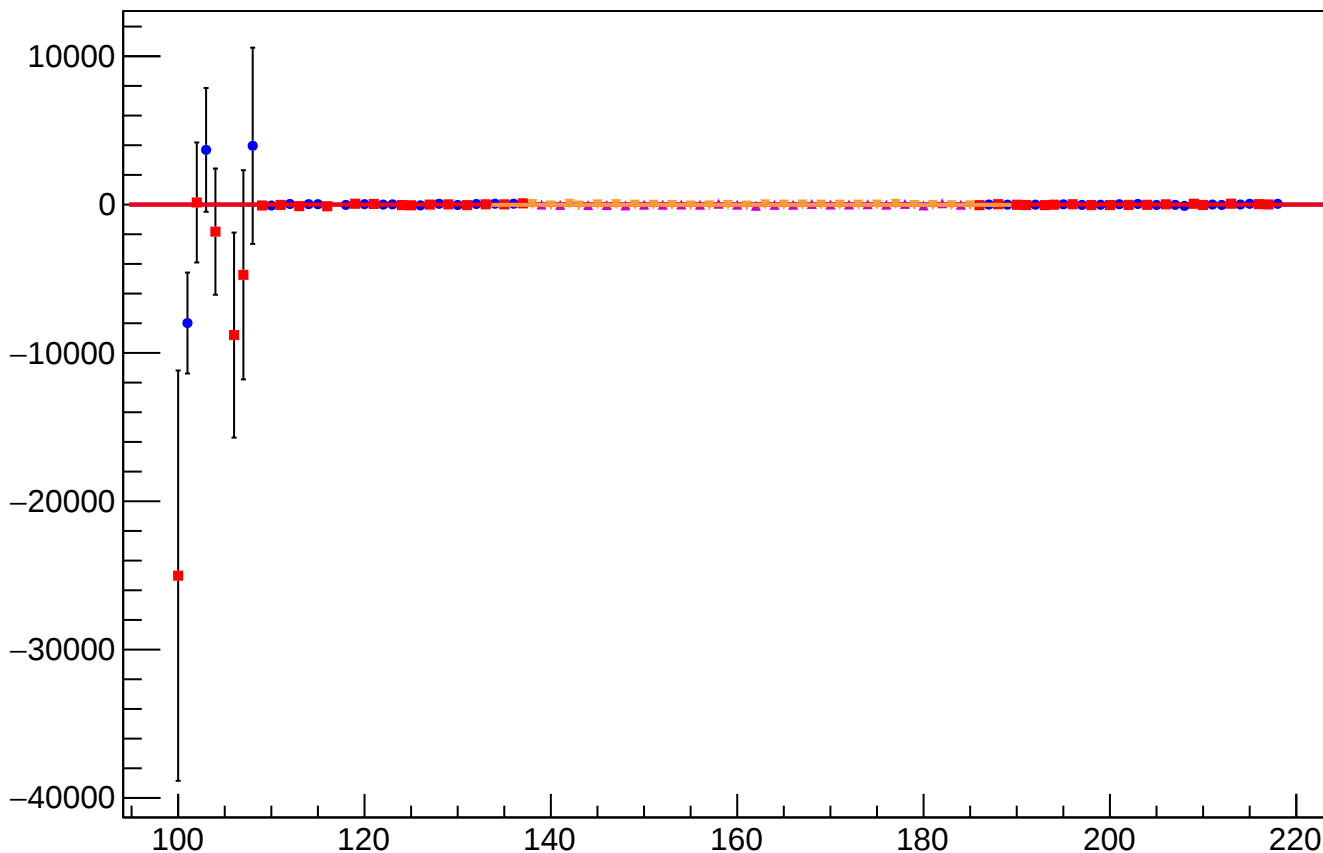
Left In: 183.805+/-0.033 χ^2/NDF : 1412869.6/22

+ sign 185.943+/-0.023 χ^2/NDF : 6765507.5/57

All: 182.480+/-0.016 χ^2/NDF : 13723441.7/11

- sign 179.133+/-0.023 χ^2/NDF : 6913442.0/58

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.561 $\pm$ 6.715 χ^2 /NDF: 35.3/32

Left Out: -18.118 $\pm$ 6.704 χ^2 /NDF: 21.7/24

Right Out: -3.431 $\pm$ 6.709 χ^2 /NDF: 39.3/35

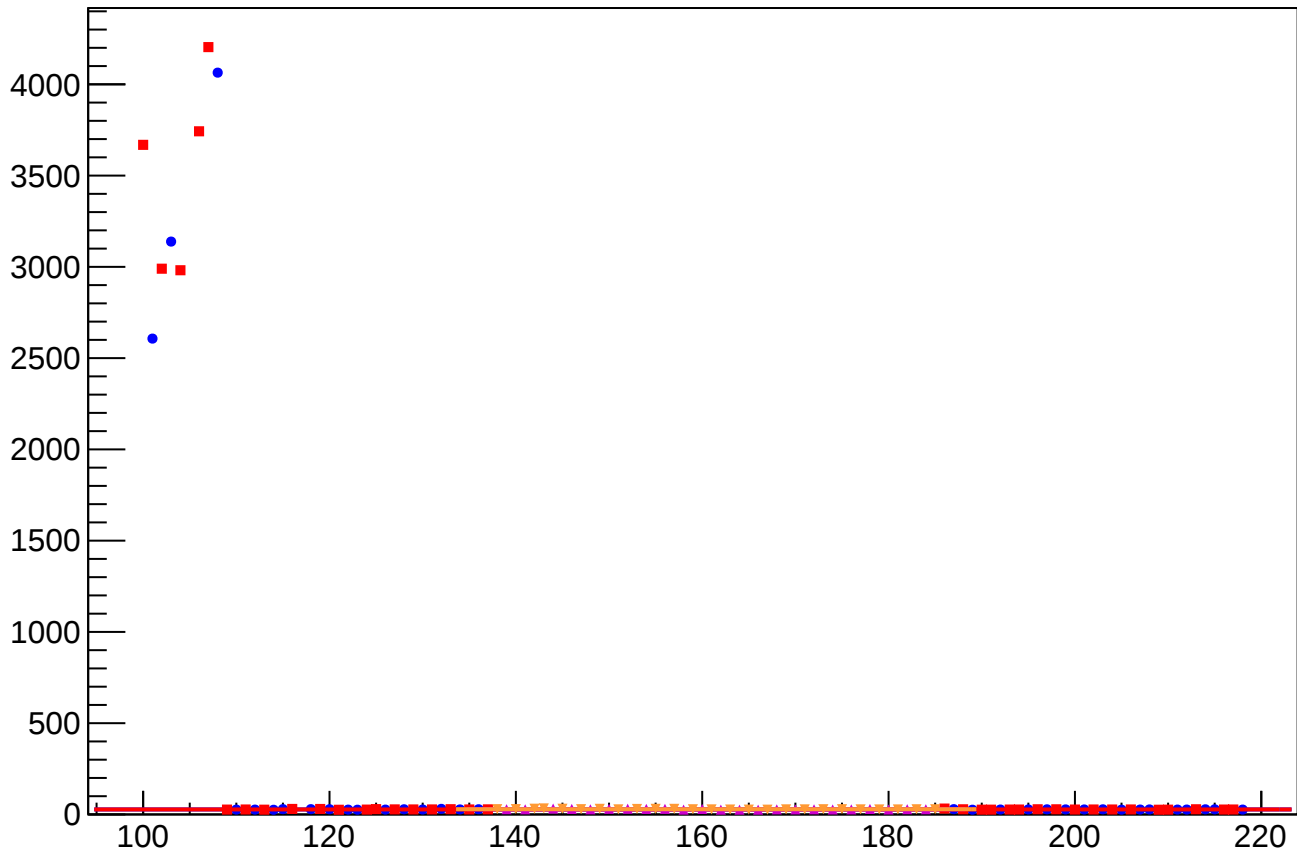
Left In: -1.267 $\pm$ 6.908 χ^2 /NDF: 32.0/22

+ sign -7.296 $\pm$ 4.744 χ^2 /NDF: 62.3/57

All: -4.874 $\pm$ 3.379 χ^2 /NDF: 134.3/116

- sign -2.381 $\pm$ 4.813 χ^2 /NDF: 71.4/58

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.452 $\pm$ 0.005 χ^2 /NDF: 3045216.4/32

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.429 $\pm$ 0.005 χ^2 /NDF: 3514635.7/35

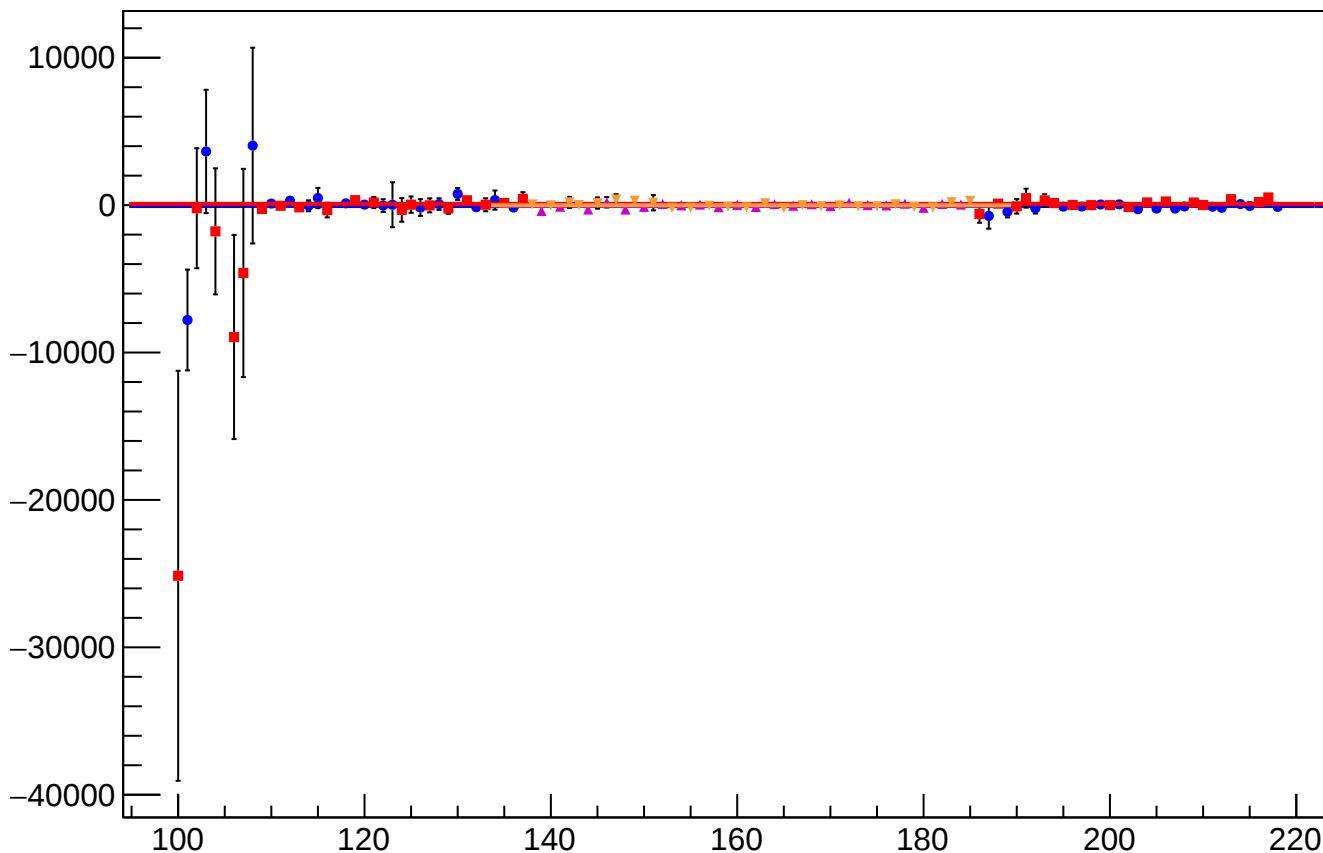
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.074 $\pm$ 0.003 χ^2 /NDF: 3189923.9/57

All: 28.055 $\pm$ 0.002 χ^2 /NDF: 6862032.5/116

- sign 28.035 $\pm$ 0.003 χ^2 /NDF: 3672040.5/58

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -60.882 ± 43.958 χ^2/NDF : 22.5/32

Left Out: -13.878 ± 48.155 χ^2/NDF : 8.8/24

Right Out: 85.949 ± 44.437 χ^2/NDF : 25.5/35

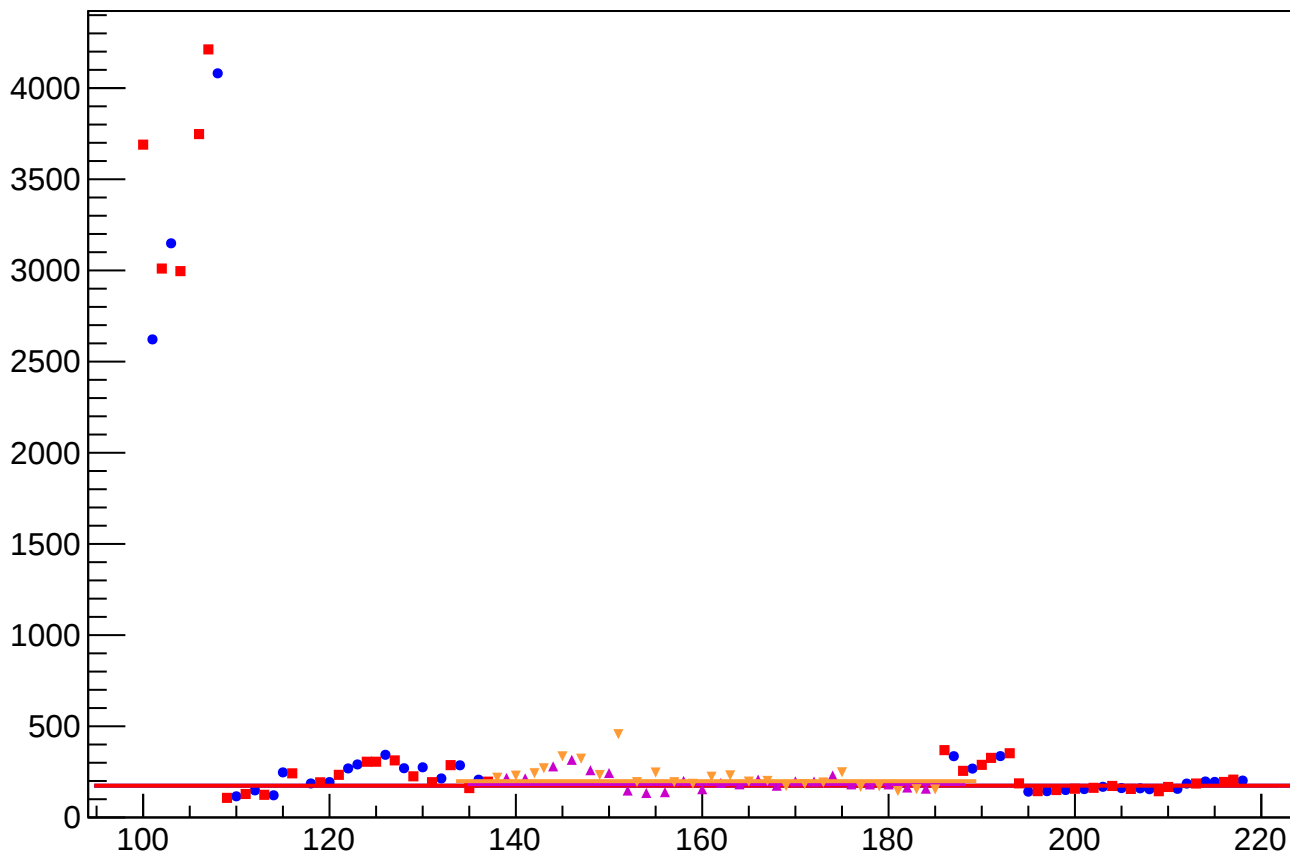
Left In: -27.286 ± 45.907 χ^2/NDF : 7.5/22

+ sign -39.517 ± 32.466 χ^2/NDF : 31.9/57

All: -3.582 ± 22.765 χ^2/NDF : 70.4/116

- sign 31.174 ± 31.929 χ^2/NDF : 36.1/58

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.109 $\pm$ 0.031 χ^2 /NDF: 4614203.8/32

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF: 1877636.0/24

Right Out: 174.192 $\pm$ 0.031 χ^2 /NDF: 5478468.3/35

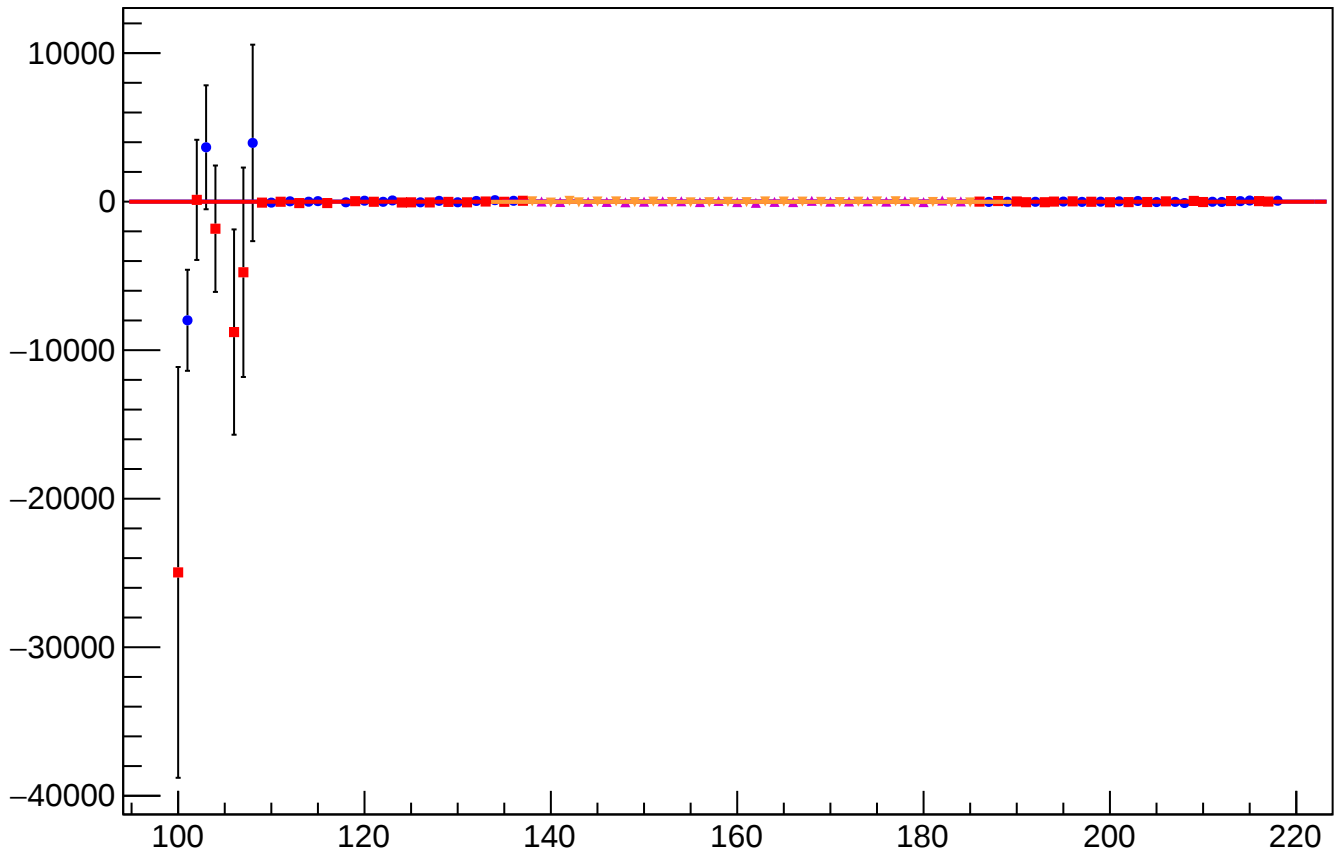
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 185.421 $\pm$ 0.023 χ^2 /NDF: 6783235.8/57

All: 181.987 $\pm$ 0.016 χ^2 /NDF: 13759979.6/13

- sign 178.666 $\pm$ 0.023 χ^2 /NDF: 6932731.3/58

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 4.897 $\pm$ 6.670 χ^2 /NDF: 44.8/32

Left Out: -15.829 $\pm$ 6.733 χ^2 /NDF:16.5/24

Right Out: -6.633 $\pm$ 6.675 χ^2 /NDF: 34.5/35

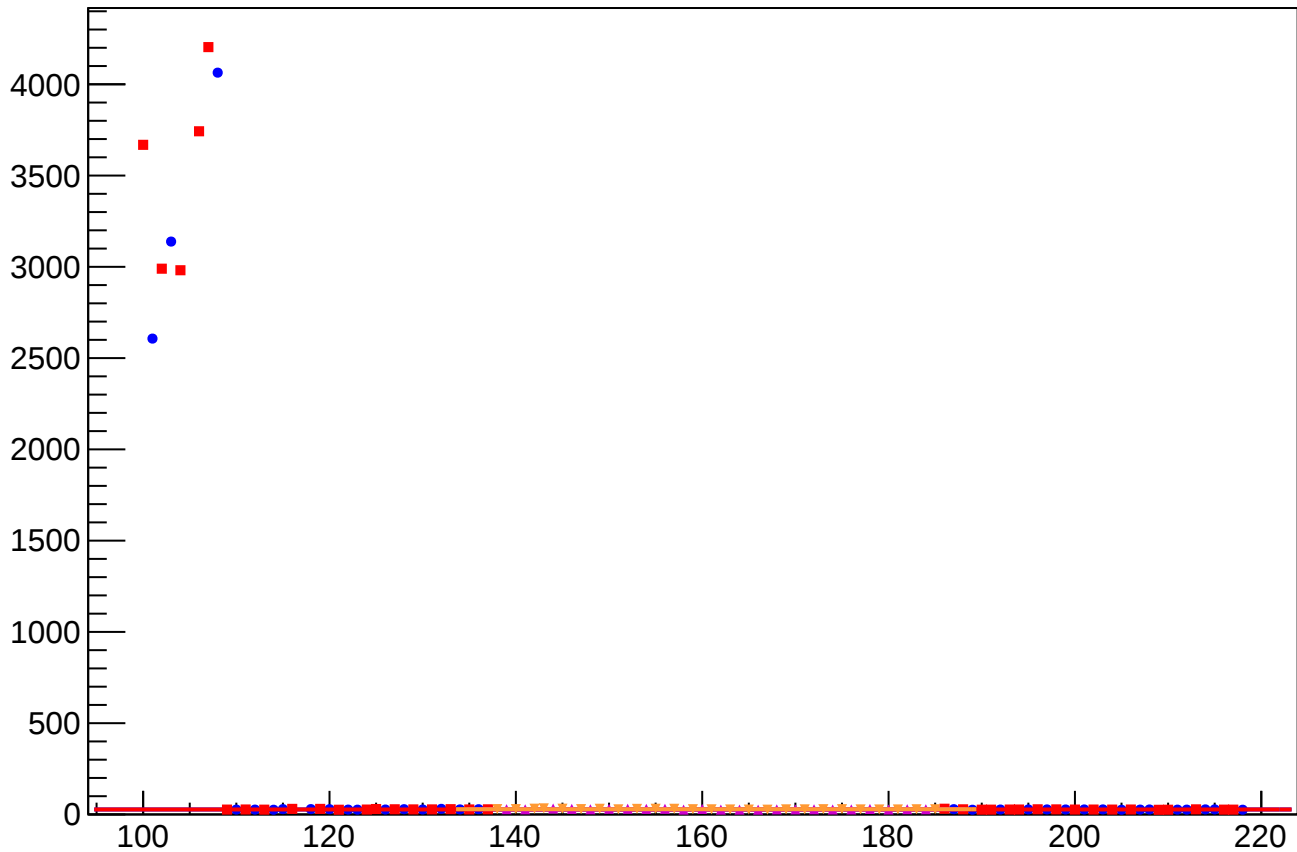
Left In: 0.498 $\pm$ 6.937 χ^2 /NDF:26.1/22

+ sign -5.368 $\pm$ 4.739 χ^2 /NDF: 66.1/57

All: -4.303 $\pm$ 3.376 χ^2 /NDF: 127.3/116

- sign -3.205 $\pm$ 4.810 χ^2 /NDF: 61.1/58

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.265 $\pm$ 0.005 χ^2 /NDF: 3055610.8/32

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.286 $\pm$ 0.005 χ^2 /NDF: 3521305.0/35

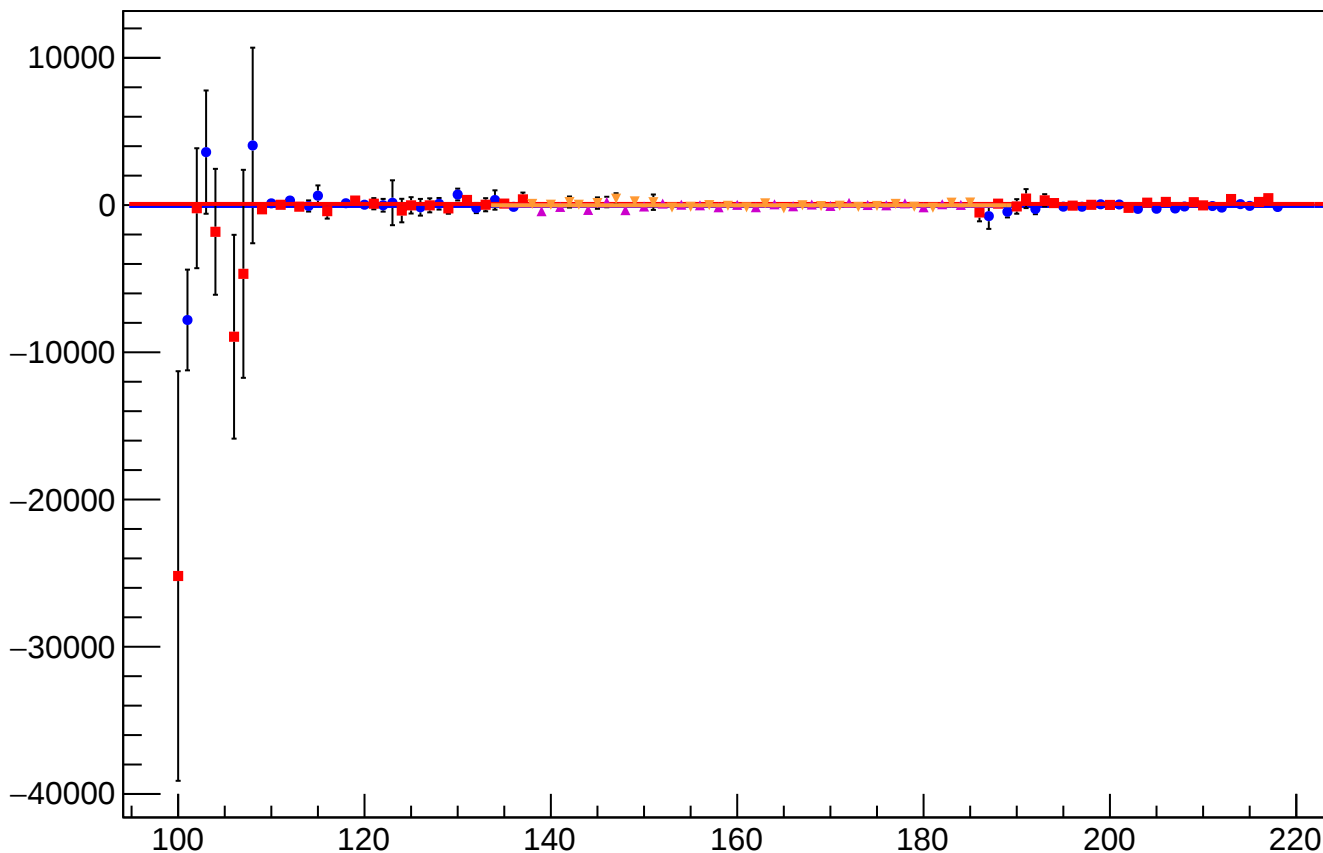
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.032 $\pm$ 0.003 χ^2 /NDF: 3231218.9/57

All: 28.023 $\pm$ 0.002 χ^2 /NDF: 6930118.6/116

- sign 28.013 $\pm$ 0.003 χ^2 /NDF: 3698882.6/58

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -60.159 $\pm$ 44.248 χ^2 /NDF: 22.7/32

Left Out: -13.966 $\pm$ 48.735 χ^2 /NDF: 8.1/24

Right Out: 77.239 $\pm$ 44.756 χ^2 /NDF: 24.3/35

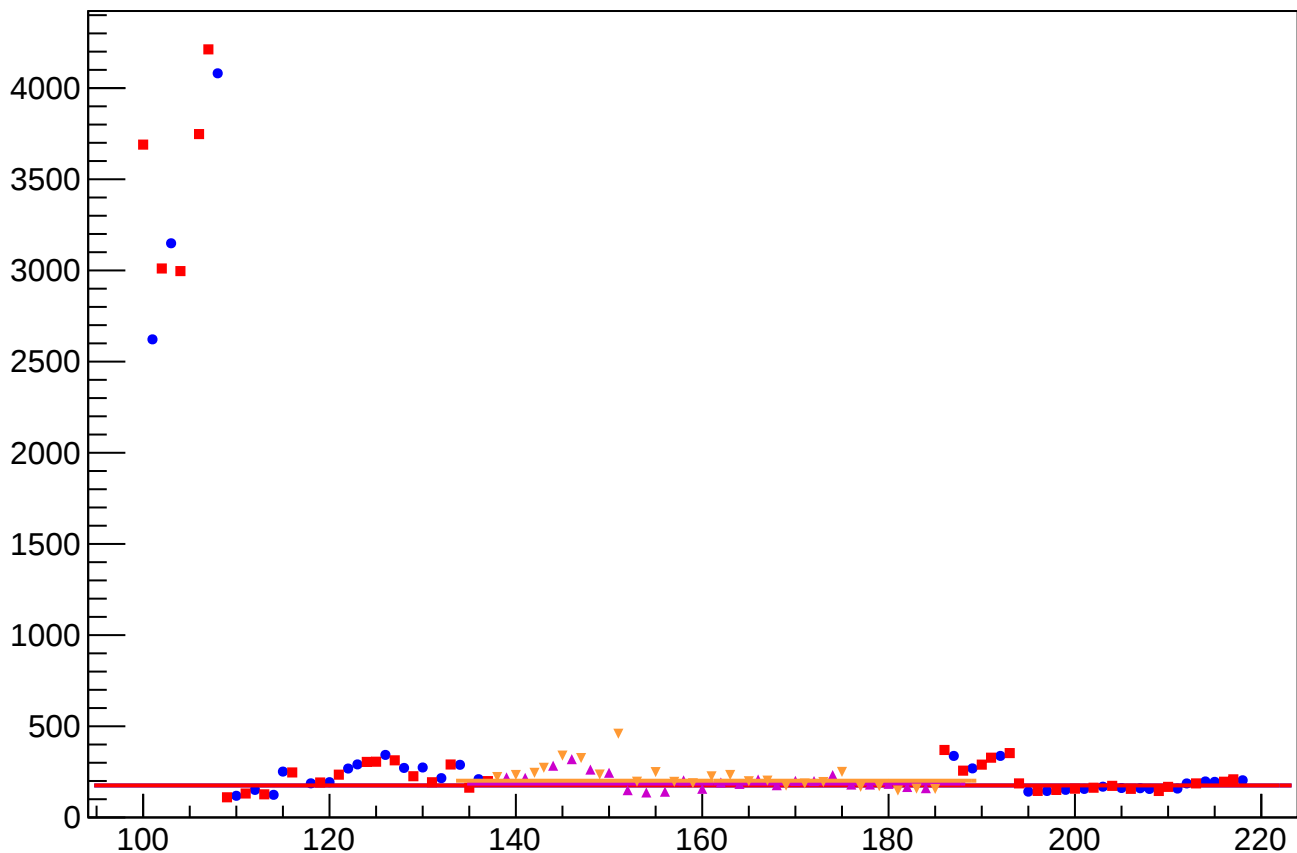
Left In: -31.477 $\pm$ 46.483 χ^2 /NDF: 7.8/22

+ sign -39.286 $\pm$ 32.760 χ^2 /NDF: 31.3/57

All: -6.661 $\pm$ 22.979 χ^2 /NDF: 68.2/116

- sign 24.938 $\pm$ 32.241 χ^2 /NDF: 34.9/58

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 175.351 $\pm$ 0.031 χ^2 /NDF: 4578989.9/32

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF:1854905.1/24

Right Out: 175.633 $\pm$ 0.032 χ^2 /NDF: 5418123.9/35

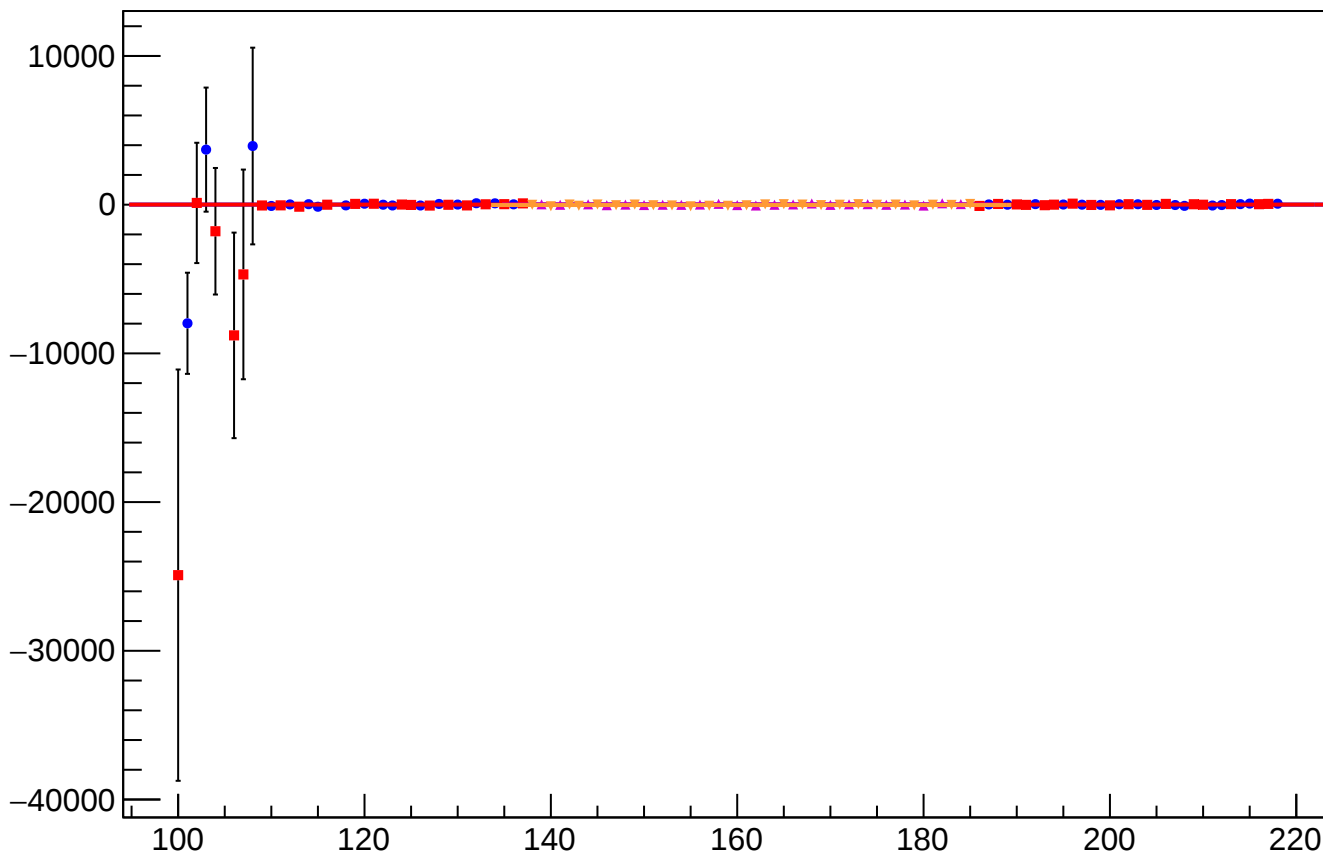
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF:1380877.6/22

+ sign 187.168 $\pm$ 0.023 χ^2 /NDF: 6749571.9/57

All: 183.812 $\pm$ 0.016 χ^2 /NDF: 13640309.3/13

- sign 180.562 $\pm$ 0.023 χ^2 /NDF: 6849424.7/58

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.844 ± 8.139 χ^2/NDF : 36.7/32

Left Out: -24.144 ± 8.076 χ^2/NDF : 24.9/24

Right Out: 6.270 ± 8.146 χ^2/NDF : 37.9/35

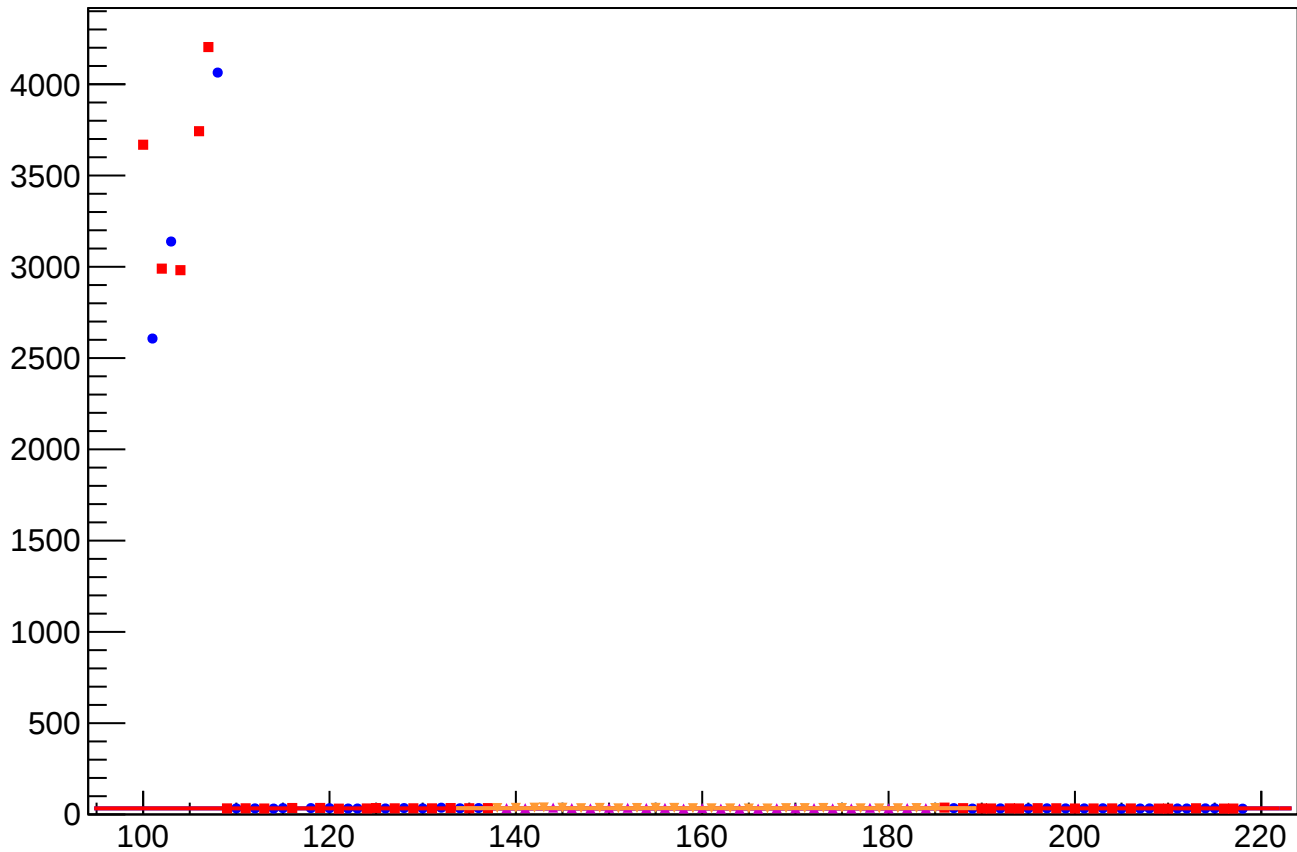
Left In: 5.924 ± 8.340 χ^2/NDF : 21.0/22

+ sign -9.266 ± 5.733 χ^2/NDF : 68.4/57

All: -1.708 ± 4.087 χ^2/NDF : 130.9/116

- sign 6.101 ± 5.827 χ^2/NDF : 58.9/58

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.291 $\pm$ 0.006 χ^2 /NDF: 3024428.9/32

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.346 $\pm$ 0.006 χ^2 /NDF: 3478486.2/35

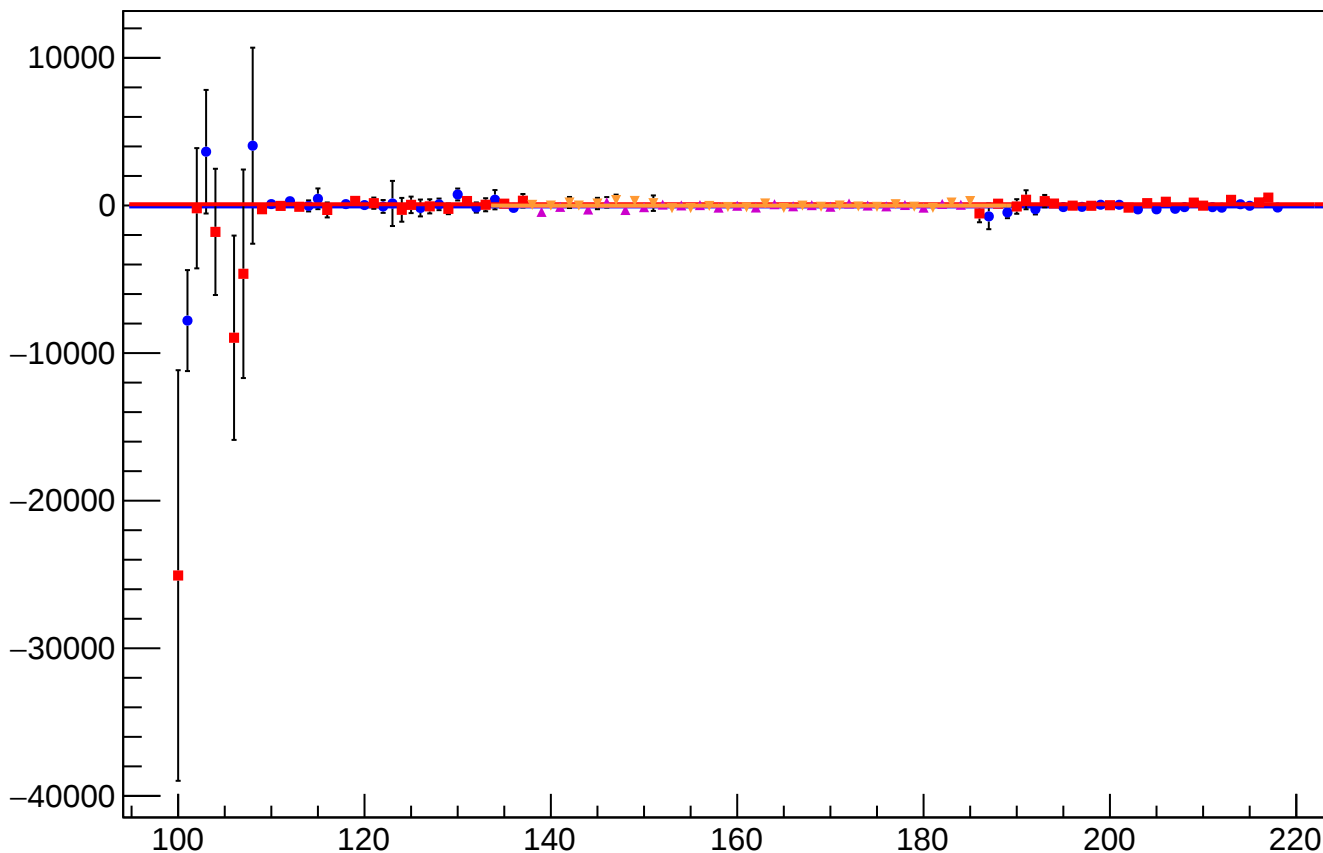
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 33.959 $\pm$ 0.004 χ^2 /NDF: 3109079.1/57

All: 33.978 $\pm$ 0.003 χ^2 /NDF: 6673718.3/116

- sign 33.998 $\pm$ 0.004 χ^2 /NDF: 3564594.3/58

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -63.837 ± 44.123 χ^2/NDF : 22.4/32

Left Out: -7.558 ± 48.662 χ^2/NDF : 8.8/24

Right Out: 83.496 ± 44.592 χ^2/NDF : 23.5/35

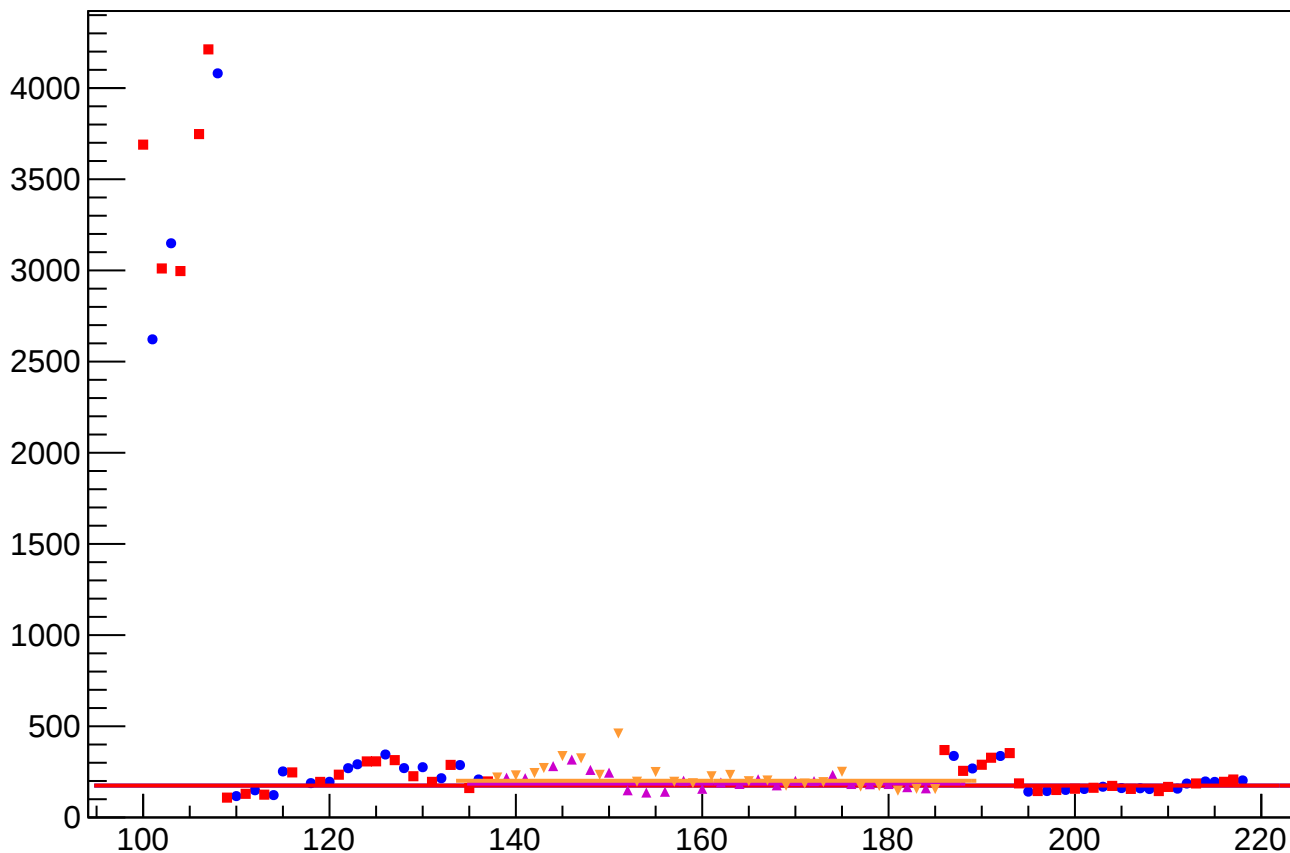
Left In: -34.977 ± 46.421 χ^2/NDF : 7.1/22

+ sign -38.444 ± 32.687 χ^2/NDF : 31.9/57

All: -5.372 ± 22.924 χ^2/NDF : 68.0/116

- sign 26.638 ± 32.158 χ^2/NDF : 34.1/58

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 174.780+/-0.031 χ^2/NDF : 4608734.3/32

Left Out: 201.198+/-0.034 χ^2/NDF : 1848437.4/24

Right Out: 174.845+/-0.032 χ^2/NDF : 5466573.8/35

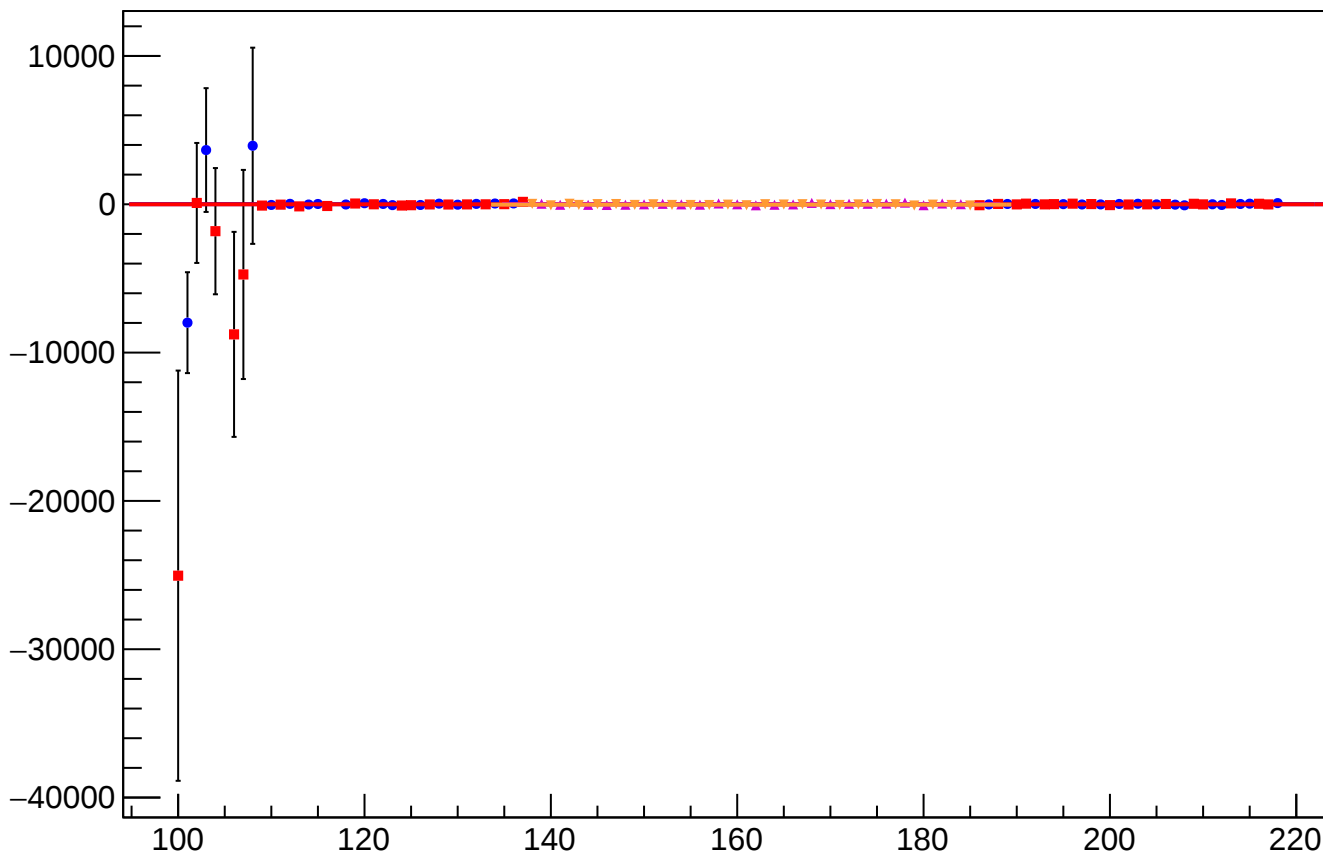
Left In: 185.627+/-0.033 χ^2/NDF : 1371411.2/22

+ sign 186.700+/-0.023 χ^2/NDF : 6780665.3/57

All: 183.305+/-0.016 χ^2/NDF : 13717226.2/11

- sign 180.020+/-0.023 χ^2/NDF : 6894108.4/58

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 8.831 ± 7.360 χ^2/NDF : 30.8/32

Left Out: -23.320 ± 7.352 χ^2/NDF : 18.3/24

Right Out: -1.061 ± 7.367 χ^2/NDF : 42.6/35

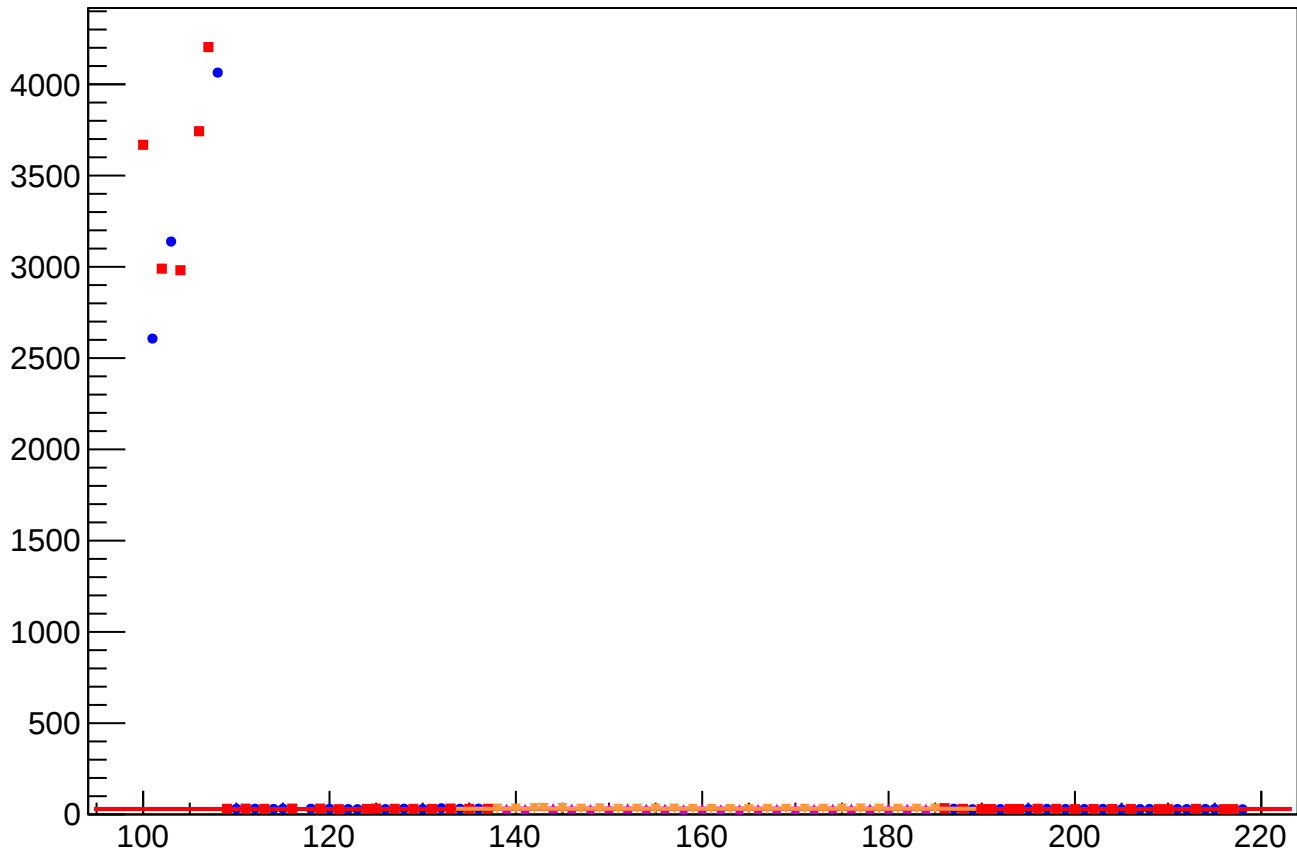
Left In: 6.386 ± 7.577 χ^2/NDF : 38.7/22

+ sign -7.262 ± 5.201 χ^2/NDF : 58.7/57

All: -2.427 ± 3.706 χ^2/NDF : 142.2/116

- sign 2.558 ± 5.282 χ^2/NDF : 81.8/58

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.093 $\pm$ 0.005 χ^2 /NDF: 3044985.2/32

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.132 $\pm$ 0.005 χ^2 /NDF: 3498713.4/35

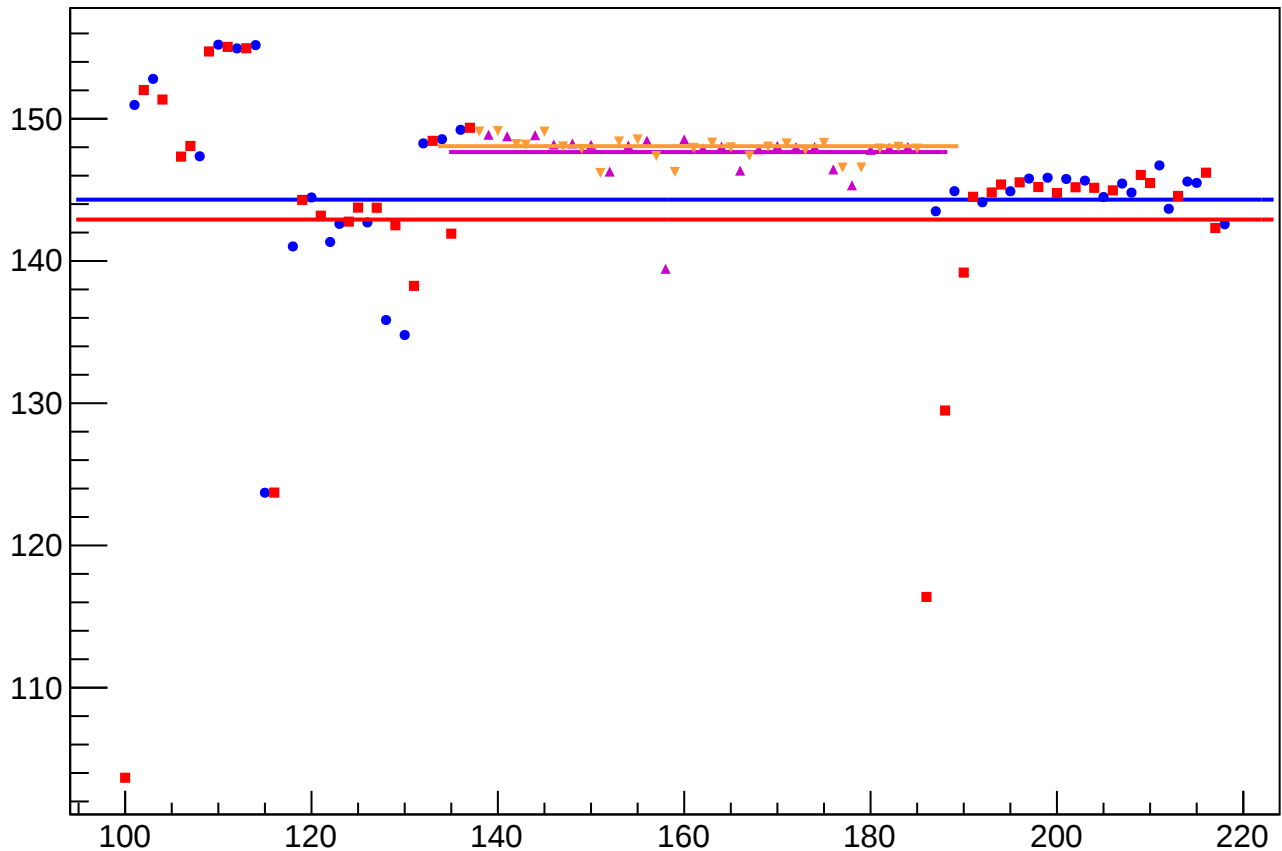
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 30.792 $\pm$ 0.004 χ^2 /NDF: 3162909.3/57

All: 30.788 $\pm$ 0.003 χ^2 /NDF: 6781743.8/116

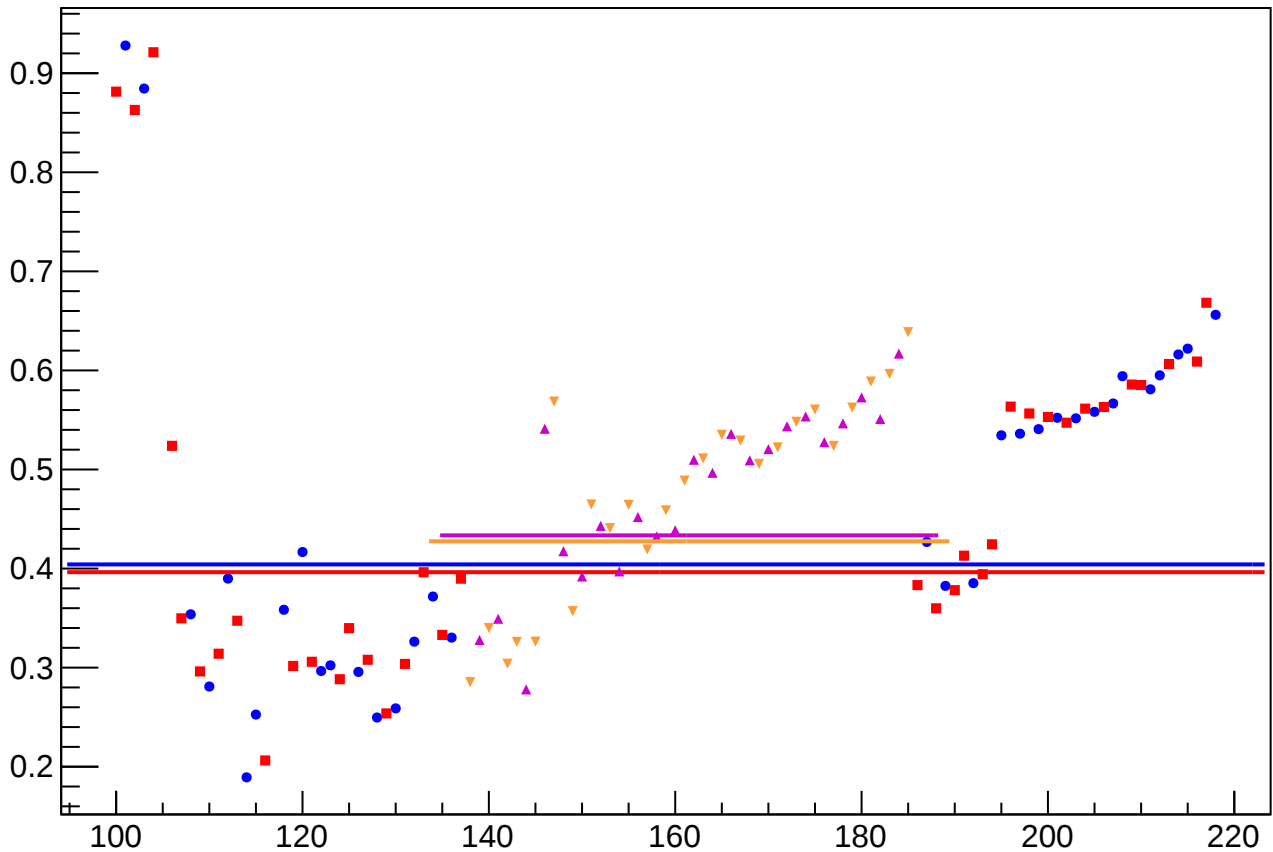
- sign 30.785 $\pm$ 0.004 χ^2 /NDF: 3618832.8/58

yield_bcm_an_ds_mean vs Slug



Right In: 144.315+/-0.000	χ^2/NDF : 3512298998.4/32	+ sign 146.176+/-0.000	χ^2/NDF : 4238699456.6/57
Left Out: 148.074+/-0.000	χ^2/NDF : 65673678.9/24	All: 145.626+/-0.000	χ^2/NDF : 13217303847.
Right Out: 142.915+/-0.000	χ^2/NDF : 7470333395.7/35	- sign 145.079+/-0.000	χ^2/NDF : 8865846908.7/58
Left In: 147.660+/-0.000	χ^2/NDF : 343892338.9/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.404 ± 0.000 χ^2/NDF : 3851238.8/32

Left Out: 0.428 ± 0.000 χ^2/NDF : 1892802.8/24

Right Out: 0.396 ± 0.000 χ^2/NDF : 3511664.7/35

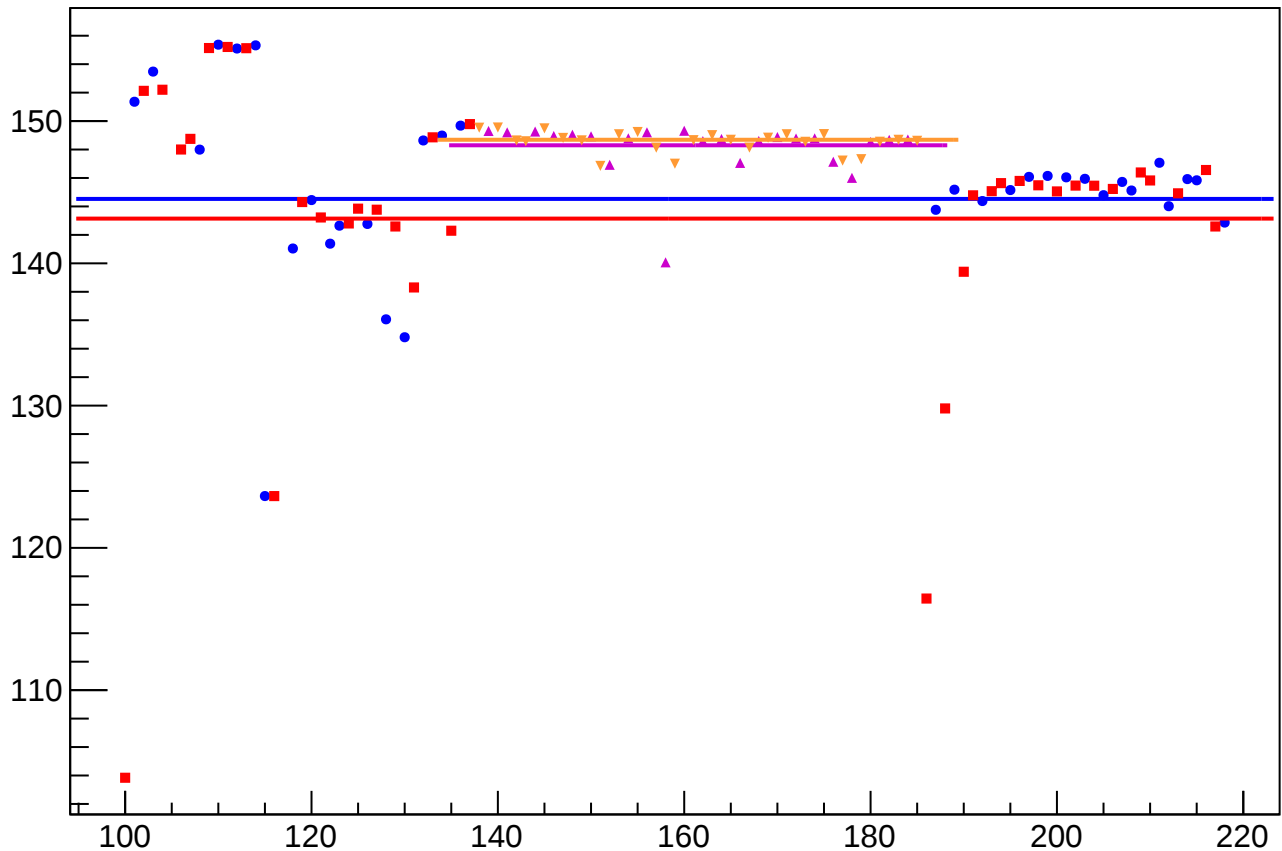
Left In: 0.434 ± 0.000 χ^2/NDF : 1479367.0/22

+ sign 0.416 ± 0.000 χ^2/NDF : 5794972.7/57

All: 0.415 ± 0.000 χ^2/NDF : 10916009.8/116

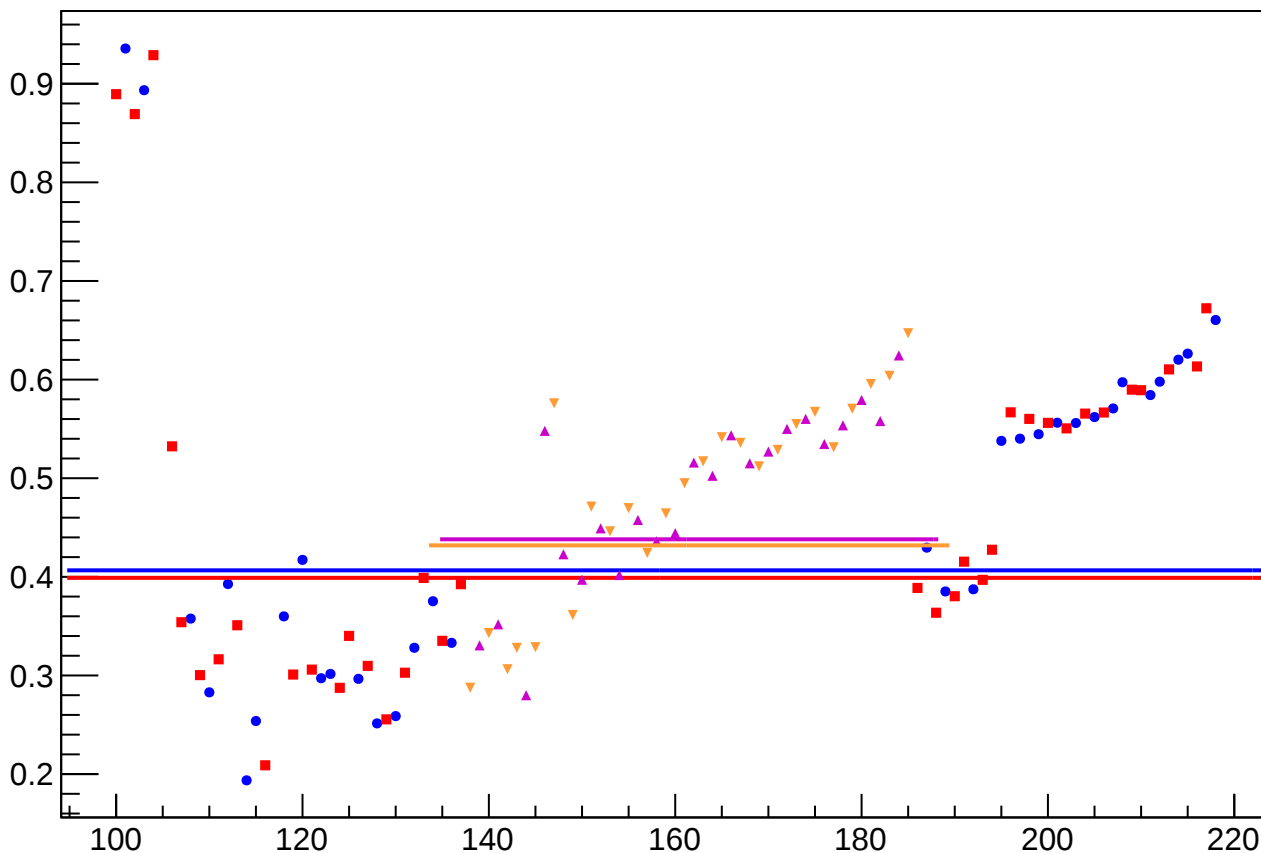
- sign 0.413 ± 0.000 χ^2/NDF : 5119927.1/58

yield_bcm_an_ds3_mean vs Slug



Right In: 144.528+/-0.000	χ^2/NDF : 3562830038.0/32	+ sign 146.577+/-0.000	χ^2/NDF : 4410334537.9/57
Left Out: 148.687+/-0.000	χ^2/NDF : 52285197.5/24	All: 146.030+/-0.000	χ^2/NDF : 13494039141.0
Right Out: 143.145+/-0.000	χ^2/NDF : 7423065562.6/35	- sign 145.485+/-0.000	χ^2/NDF : 8973542418.2/58
Left In: 148.298+/-0.000	χ^2/NDF : 332527463.6/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.407 $\pm$ 0.000 χ^2 /NDF: 3859553.2/32

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1924979.0/24

Right Out: 0.399 $\pm$ 0.000 χ^2 /NDF: 3515637.9/35

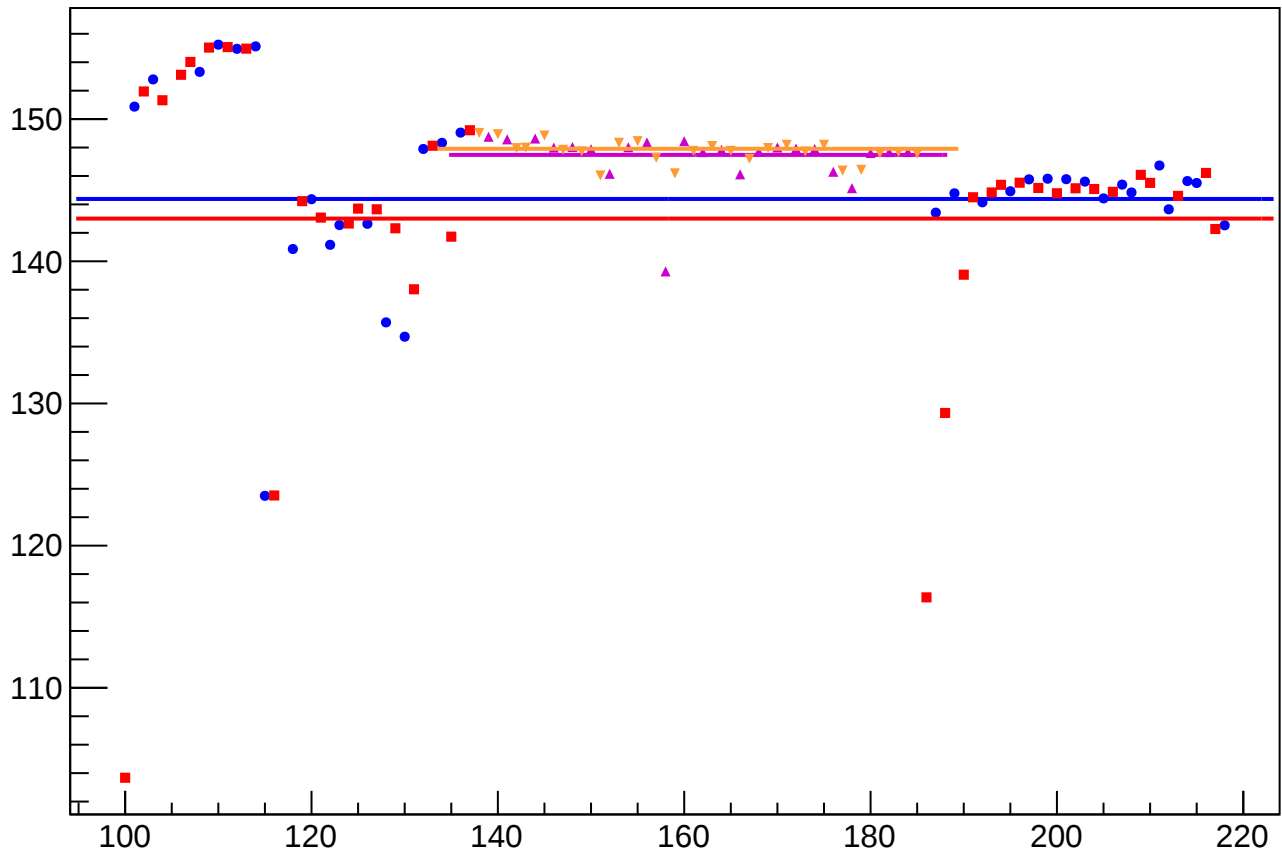
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

+ sign 0.419 $\pm$ 0.000 χ^2 /NDF: 5843462.2/57

All: 0.418 $\pm$ 0.000 χ^2 /NDF: 11004783.2/116

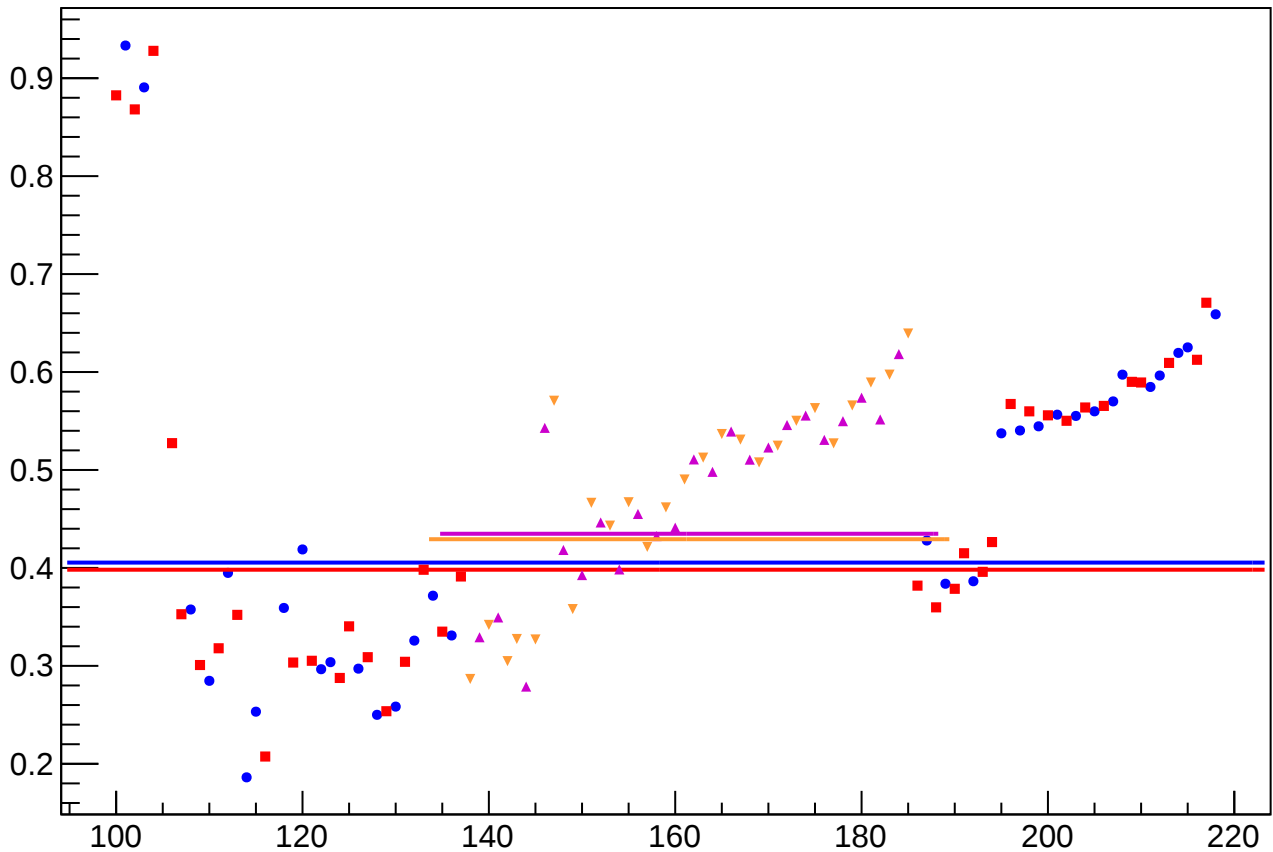
- sign 0.417 $\pm$ 0.000 χ^2 /NDF: 5160304.0/58

yield_bcm_an_us_mean vs Slug



Right In: 144.383+/-0.000	χ^2/NDF : 3718132315.8/32	+ sign 146.130+/-0.000	χ^2/NDF : 4360280047.4/57
Left Out: 147.912+/-0.000	χ^2/NDF : 64463426.1/24	All: 145.588+/-0.000	χ^2/NDF : 13585198986.
Right Out: 143.004+/-0.000	χ^2/NDF : 7843960774.0/35	- sign 145.050+/-0.000	χ^2/NDF : 9116487346.0/58
Left In: 147.483+/-0.000	χ^2/NDF : 342674720.4/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.405 $\pm$ 0.000 χ^2 /NDF: 3891102.2/32

Left Out: 0.429 $\pm$ 0.000 χ^2 /NDF:1891709.3/24

Right Out: 0.398 $\pm$ 0.000 χ^2 /NDF: 3519619.5/35

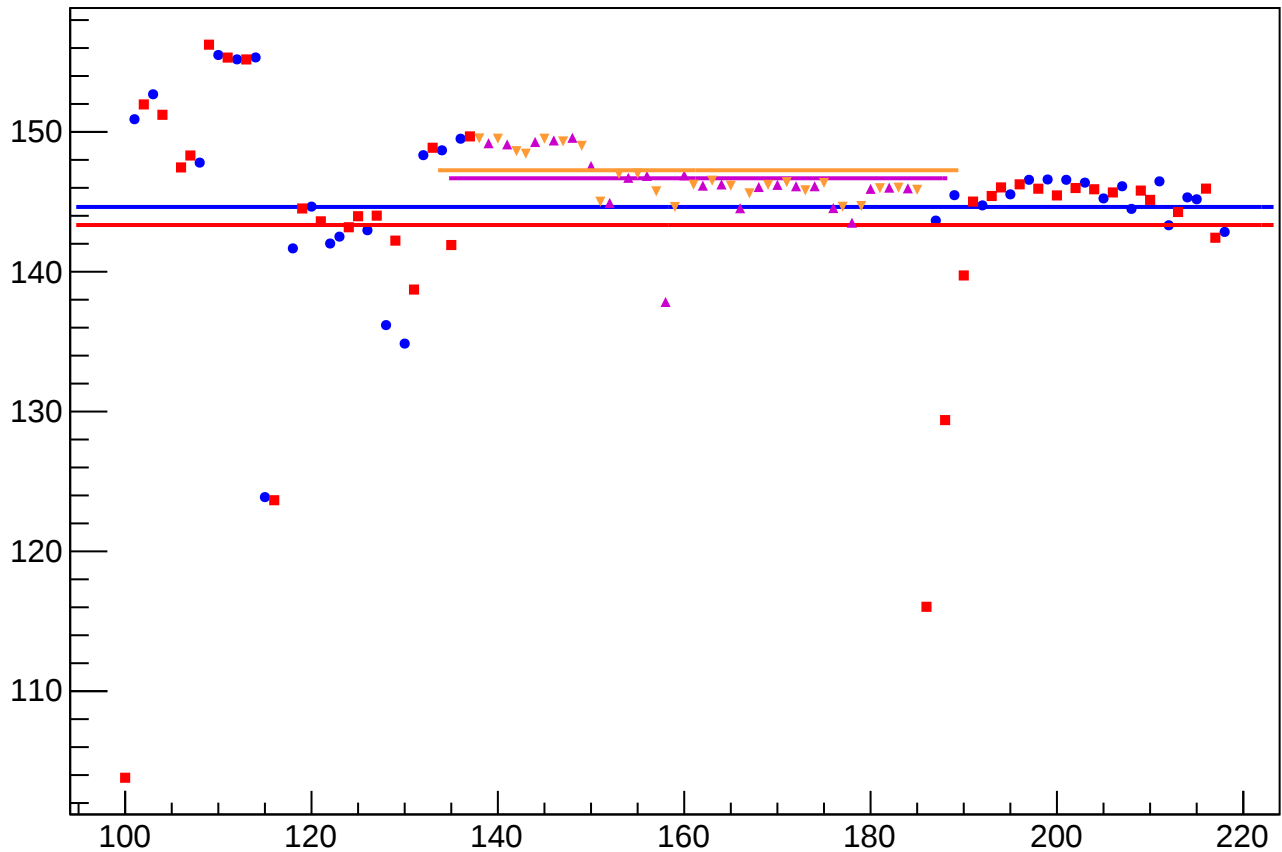
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.417 $\pm$ 0.000 χ^2 /NDF: 5835644.1/57

All: 0.416 $\pm$ 0.000 χ^2 /NDF: 10967072.0/116

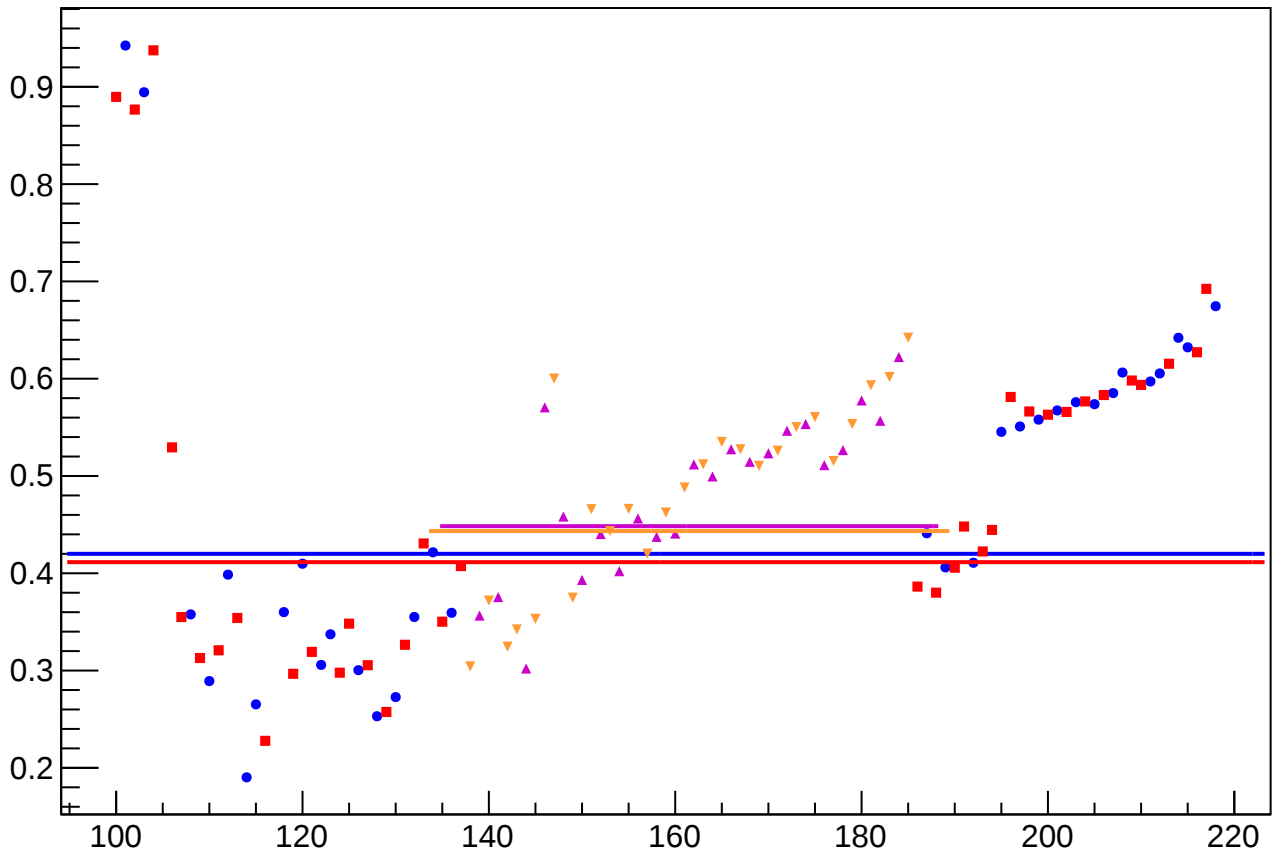
- sign 0.415 $\pm$ 0.000 χ^2 /NDF: 5130431.7/58

yield_bcm_dg_us_mean vs Slug



Right In: 144.634 $\pm$ 0.000	χ^2 /NDF: 3236551260.1/32	+ sign 145.942 $\pm$ 0.000	χ^2 /NDF: 3798502103.6/57
Left Out: 147.257 $\pm$ 0.000	χ^2 /NDF: 261906278.3/24	All: 145.409 $\pm$ 0.000	χ^2 /NDF: 12097232190.
Right Out: 143.341 $\pm$ 0.000	χ^2 /NDF: 7156267526.8/35	- sign 144.881 $\pm$ 0.000	χ^2 /NDF: 8200146289.8/58
Left In: 146.685 $\pm$ 0.000	χ^2 /NDF: 554922388.0/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.420 $\pm$ 0.000 χ^2 /NDF: 3760230.1/32

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.411 $\pm$ 0.000 χ^2 /NDF: 3405091.7/35

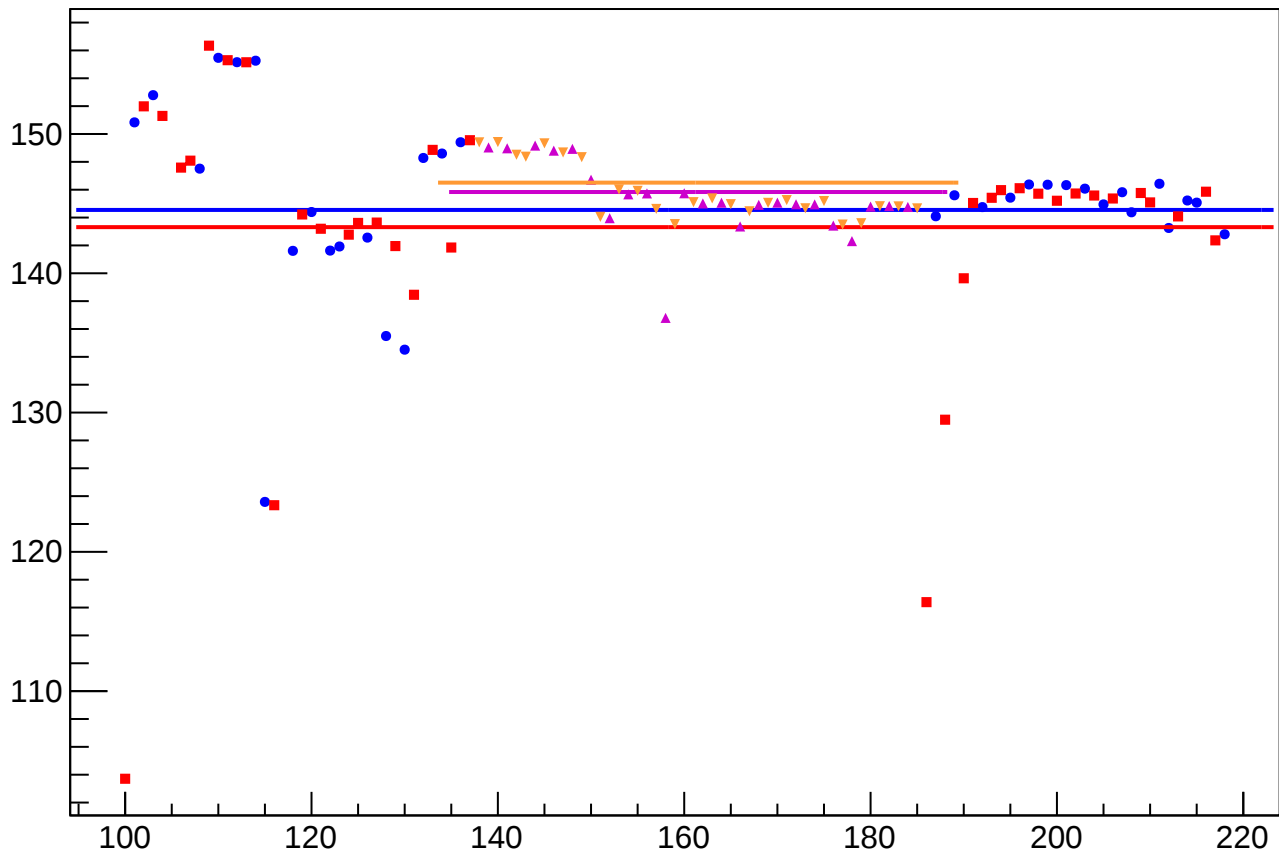
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.432 $\pm$ 0.000 χ^2 /NDF: 5288471.5/57

All: 0.430 $\pm$ 0.000 χ^2 /NDF: 9935129.7/116

- sign 0.428 $\pm$ 0.000 χ^2 /NDF: 4644858.9/58

yield_bcm_dg_ds_mean vs Slug



Right In: 144.548 $\pm$ 0.000 χ^2 /NDF: 3346043335.9/32

Left Out: 146.508 $\pm$ 0.000 χ^2 /NDF: 401248837.9/24

Right Out: 143.313 $\pm$ 0.000 χ^2 /NDF: 7108158883.6/35

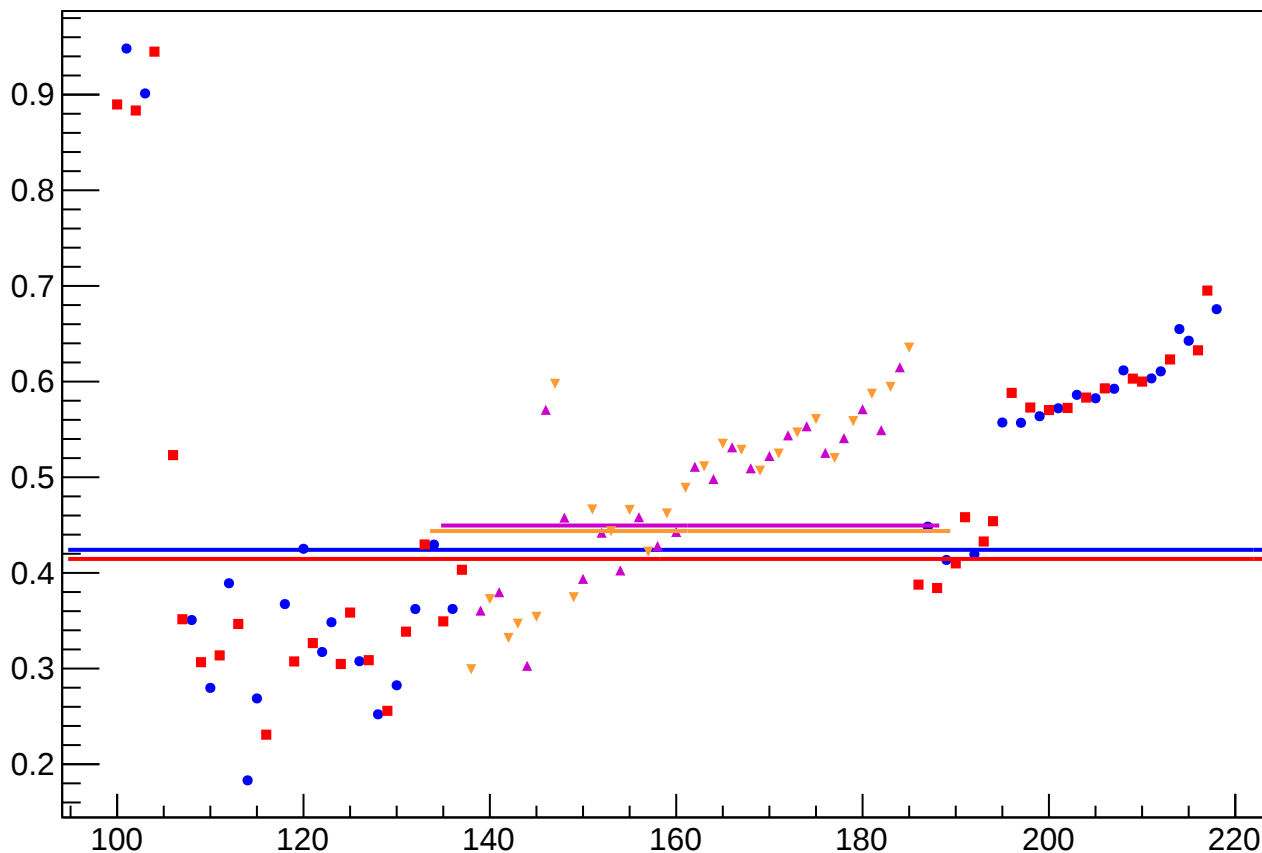
Left In: 145.834 $\pm$ 0.000 χ^2 /NDF: 690172810.0/22

+ sign 145.535 $\pm$ 0.000 χ^2 /NDF: 3912731028.9/57

All: 145.006 $\pm$ 0.000 χ^2 /NDF: 12081975099.

- sign 144.482 $\pm$ 0.000 χ^2 /NDF: 8073289243.3/58

yield_bcm_dg_ds_rms vs Slug



Right In: 0.424 $\pm$ 0.000 χ^2 /NDF: 3812797.6/32

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1460383.7/24

Right Out: 0.415 $\pm$ 0.000 χ^2 /NDF: 3440007.9/35

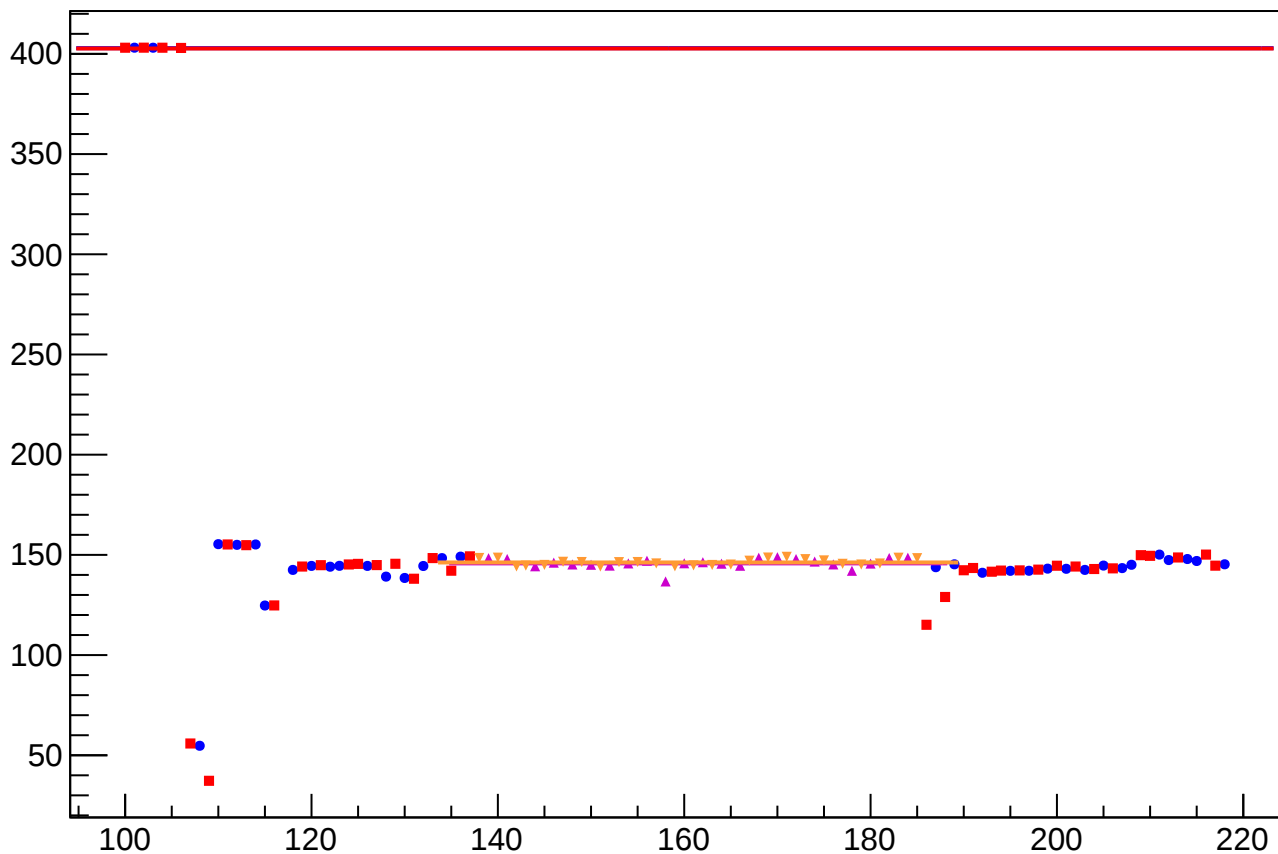
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1092776.5/22

+ sign 0.434 $\pm$ 0.000 χ^2 /NDF: 5306518.3/57

All: 0.432 $\pm$ 0.000 χ^2 /NDF: 9946627.5/116

- sign 0.431 $\pm$ 0.000 χ^2 /NDF: 4638301.4/58

yield_cav4bQ_mean vs Slug



Right In: 402.852+/-0.000 χ^2/NDF : 1942262763544.2/32

Left Out: 146.216+/-0.000 χ^2/NDF : 86042286.3/24

Right Out: 402.688+/-0.000 χ^2/NDF : 4123986943631.2/35

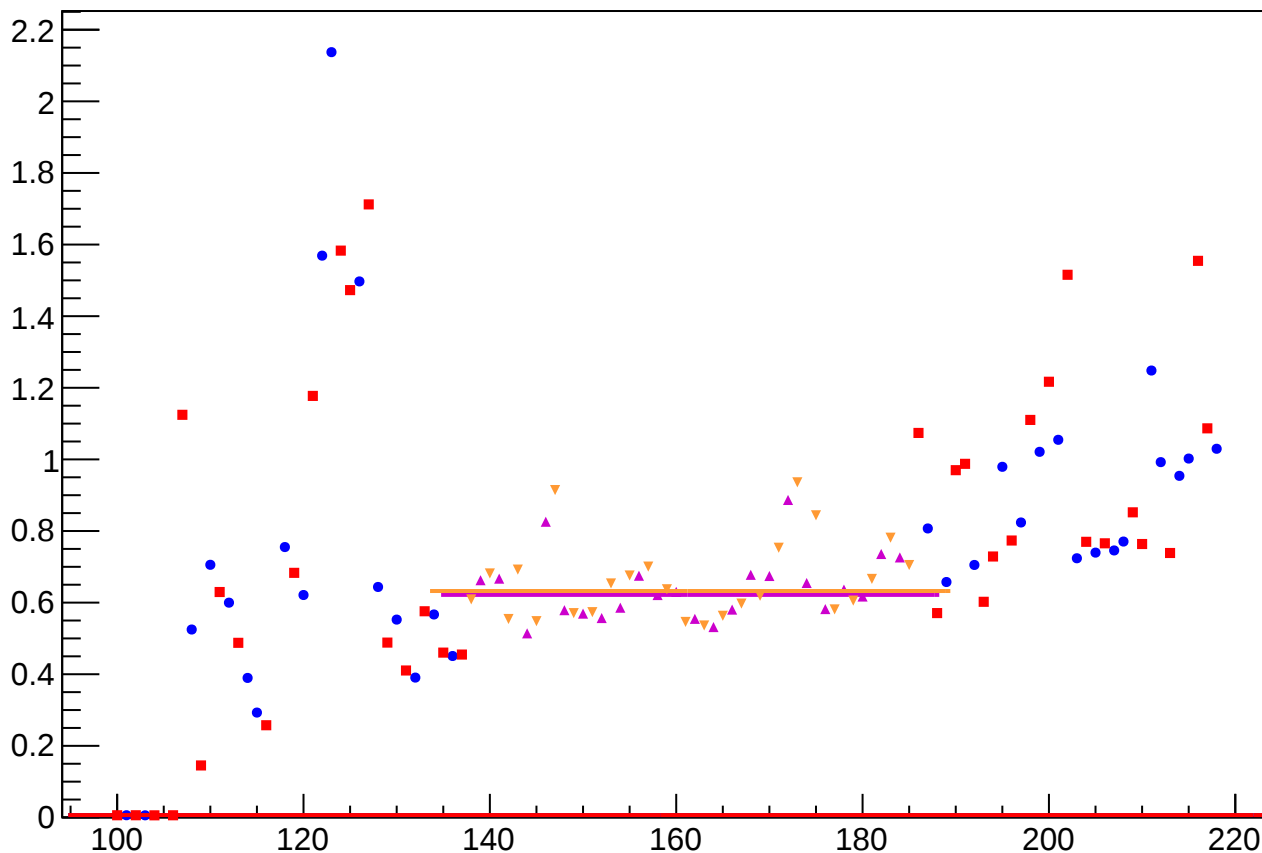
Left In: 145.755+/-0.000 χ^2/NDF : 206171532.0/22

+ sign 402.557+/-0.000 χ^2/NDF : 4301629726739.5

All: 402.490+/-0.000 χ^2/NDF : 107535767640

- sign 402.431+/-0.000 χ^2/NDF : 6451682810701.7

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 27461451.7/32

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 28948448.7/35

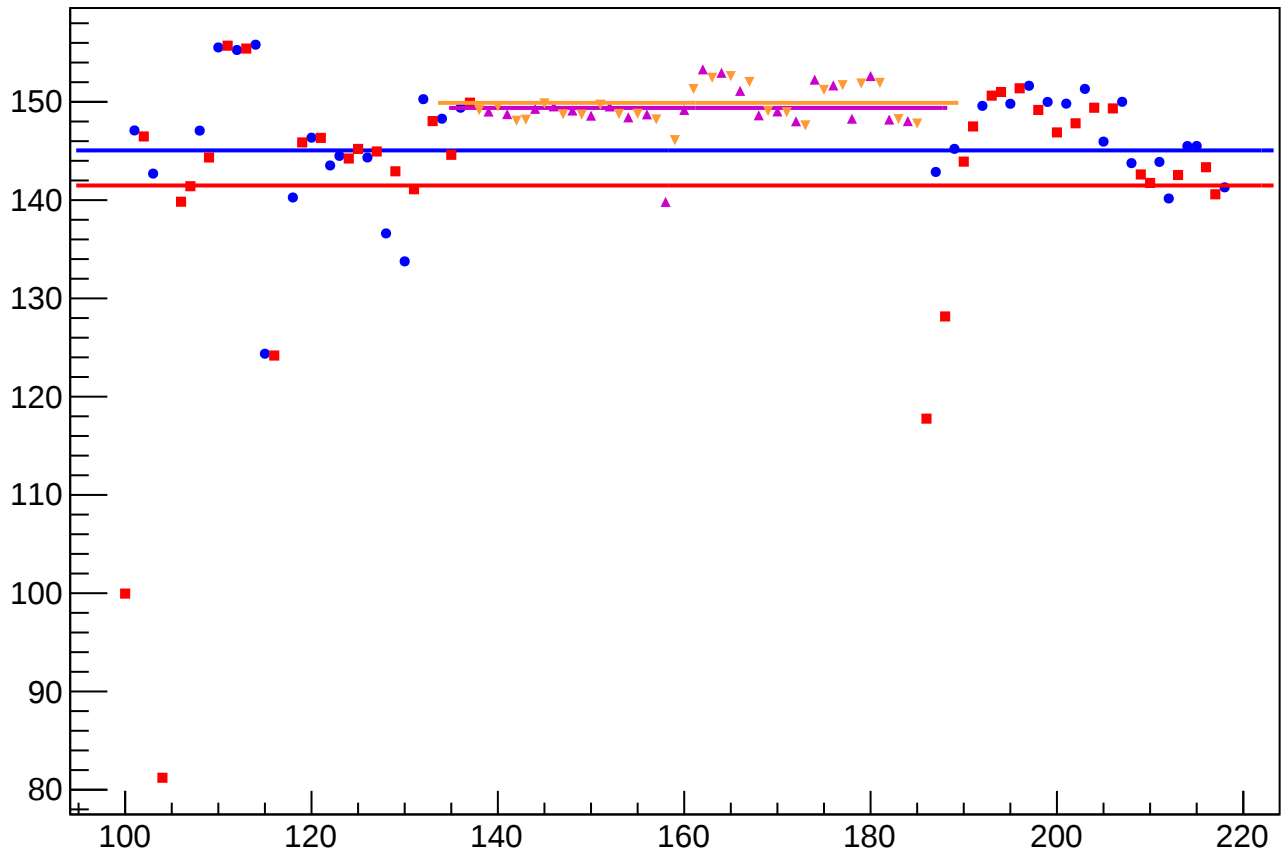
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 56125951.3/57

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 112140340.1/116

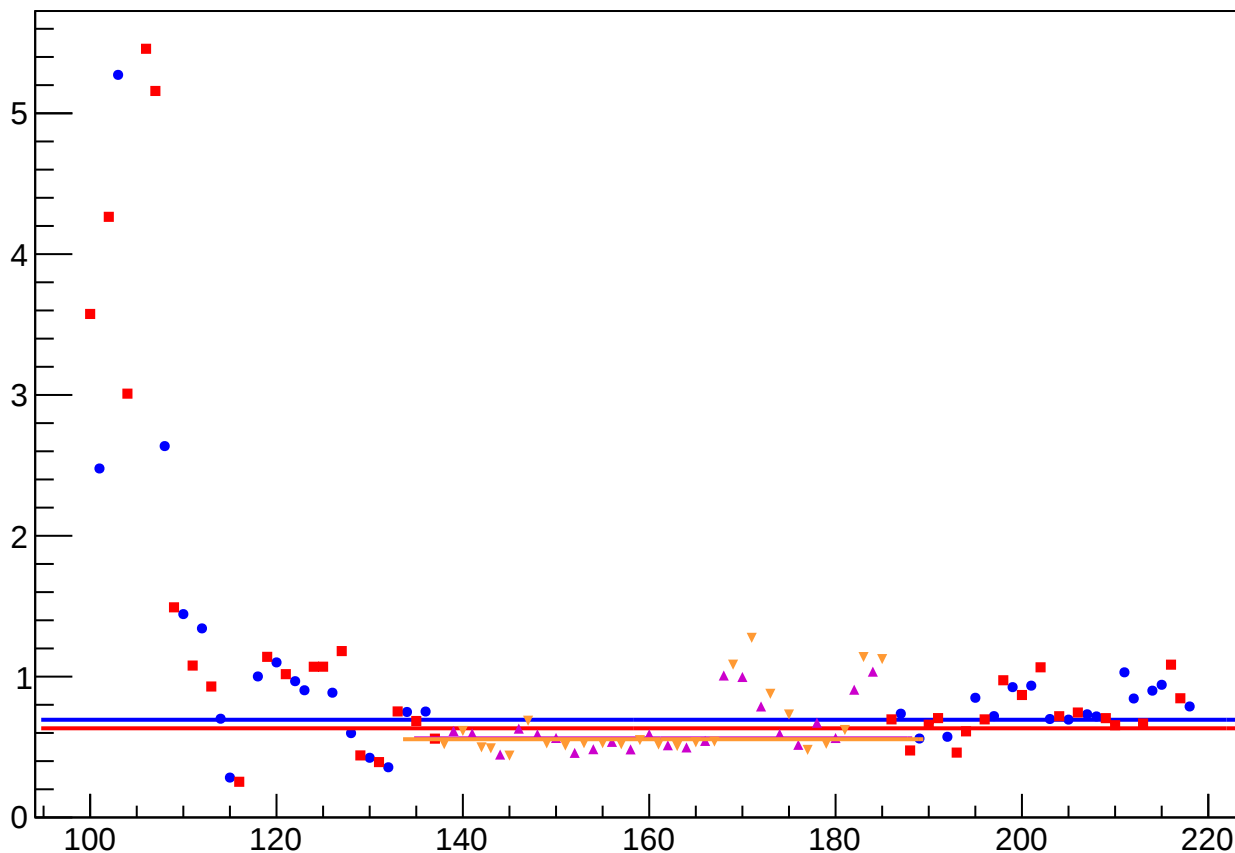
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 56013888.3/58

yield_cav4cQ_mean vs Slug



Right In: 145.058+/-0.000	χ^2/NDF : 1378949416.9/32	+ sign 148.226+/-0.000	χ^2/NDF : 1953117949.6/57
Left Out: 149.900+/-0.000	χ^2/NDF : 162845622.6/24	All: 147.183+/-0.000	χ^2/NDF : 7006824852.6
Right Out: 141.490+/-0.000	χ^2/NDF : 3253993286.3/35	- sign 146.169+/-0.000	χ^2/NDF : 4887351688.8/58
Left In: 149.382+/-0.000	χ^2/NDF : 434657827.5/22		

yield_cav4cQ_rms vs Slug



Right In: 0.694 ± 0.000 χ^2/NDF : 4415753.7/32

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773688.1/24

Right Out: 0.633 ± 0.000 χ^2/NDF : 5902303.1/35

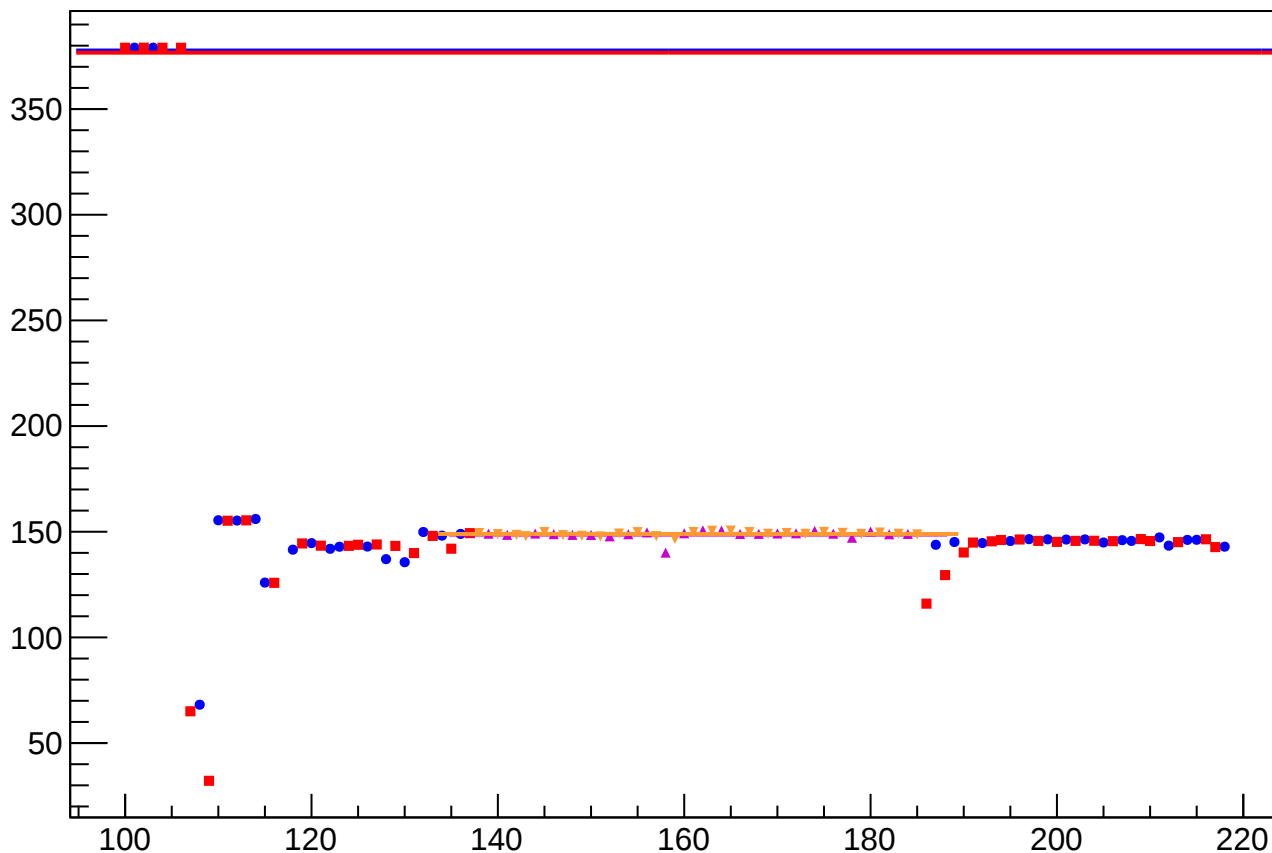
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.603 ± 0.000 χ^2/NDF : 6859925.8/57

All: 0.597 ± 0.000 χ^2/NDF : 14275406.7/116

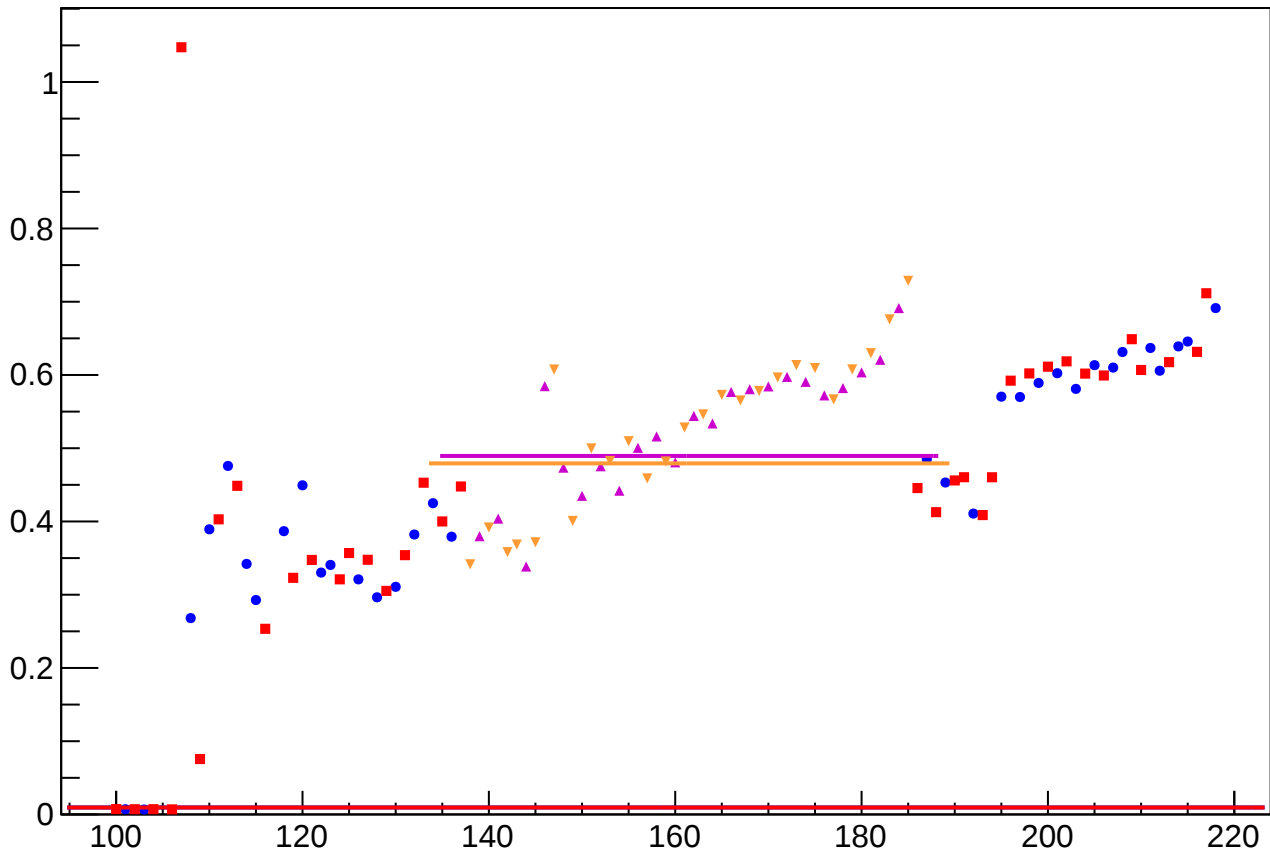
- sign 0.591 ± 0.000 χ^2/NDF : 7403166.7/58

yield_cav4dQ_mean vs Slug



Right In: 377.698+/-0.000	χ^2/NDF : 4320903241147.4/32	+ sign 376.425+/-0.000	χ^2/NDF : 8208253615021.6
Left Out: 148.944+/-0.000	χ^2/NDF : 63976941.3/24	All: 376.024+/-0.000	χ^2/NDF : 221664691250
Right Out: 376.693+/-0.000	χ^2/NDF : 10413677278675.8/35	- sign 375.673+/-0.000	χ^2/NDF : 13954173074608.0
Left In: 148.672+/-0.000	χ^2/NDF : 252846428.3/22		

yield_cav4dQ_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 31428949.3/32

Left Out: 0.479+/-0.000 χ^2/NDF :1516566.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 31489529.0/35

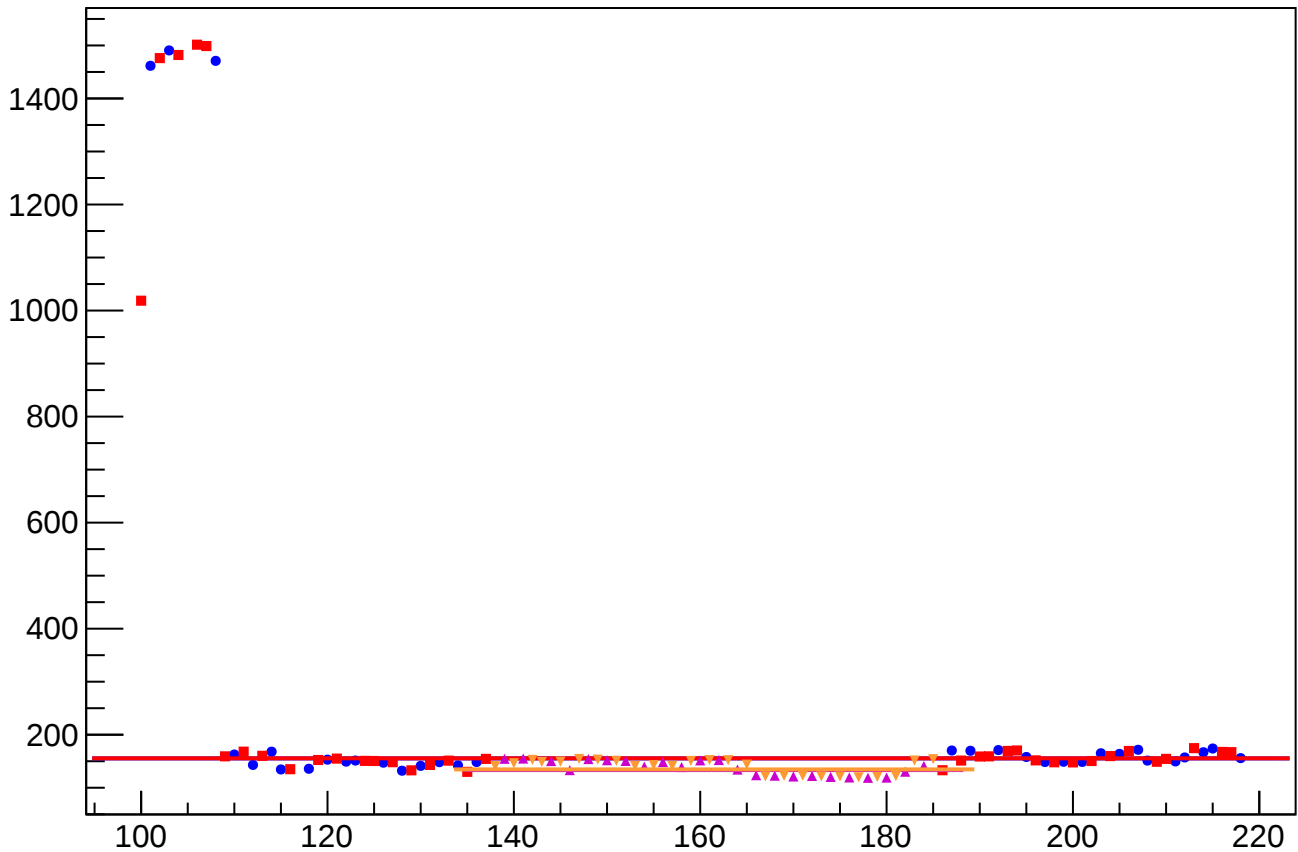
Left In: 0.489+/-0.000 χ^2/NDF :1076134.2/22

+ sign 0.012+/-0.000 χ^2/NDF : 65732780.4/57

All: 0.012+/-0.000 χ^2/NDF : 129677082.3/116

- sign 0.012+/-0.000 χ^2/NDF : 63940319.4/58

yield_bcm0l02_mean vs Slug



Right In: 155.282 $\pm$ 0.000 χ^2 /NDF: 26182129662.6/32

Left Out: 134.554 $\pm$ 0.000 χ^2 /NDF: 4376966869.3/24

Right Out: 155.484 $\pm$ 0.000 χ^2 /NDF: 35304554469.5/35

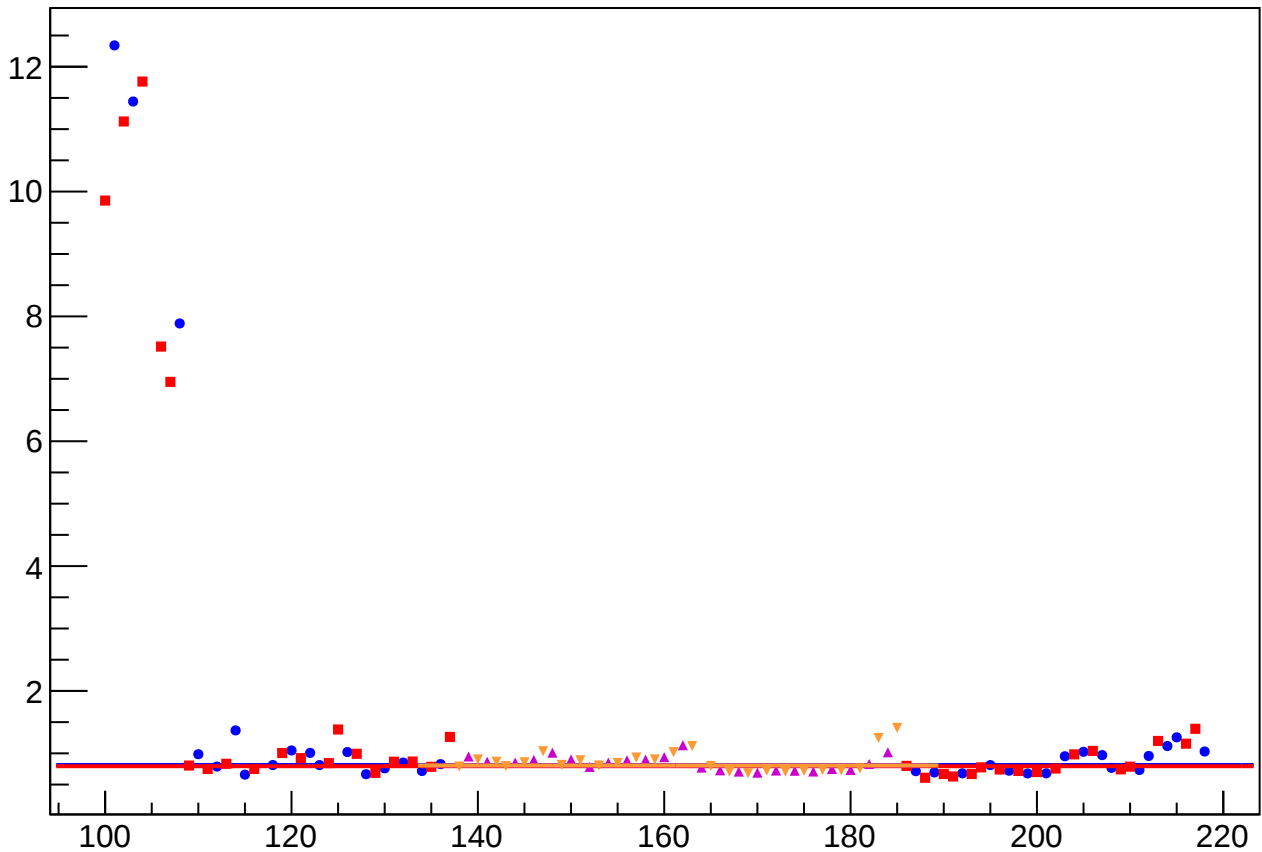
Left In: 133.337 $\pm$ 0.000 χ^2 /NDF: 4303812119.2/22

+ sign 144.107 $\pm$ 0.000 χ^2 /NDF: 35254392578.0/57

All: 144.122 $\pm$ 0.000 χ^2 /NDF: 80301614906.0

- sign 144.137 $\pm$ 0.000 χ^2 /NDF: 45047202278.1/58

yield_bcm0l02_rms vs Slug



Right In: 0.813 ± 0.000 χ^2/NDF : 3362231.7/32

Left Out: 0.806 ± 0.000 χ^2/NDF : 690578.5/24

Right Out: 0.794 ± 0.000 χ^2/NDF : 3792598.6/35

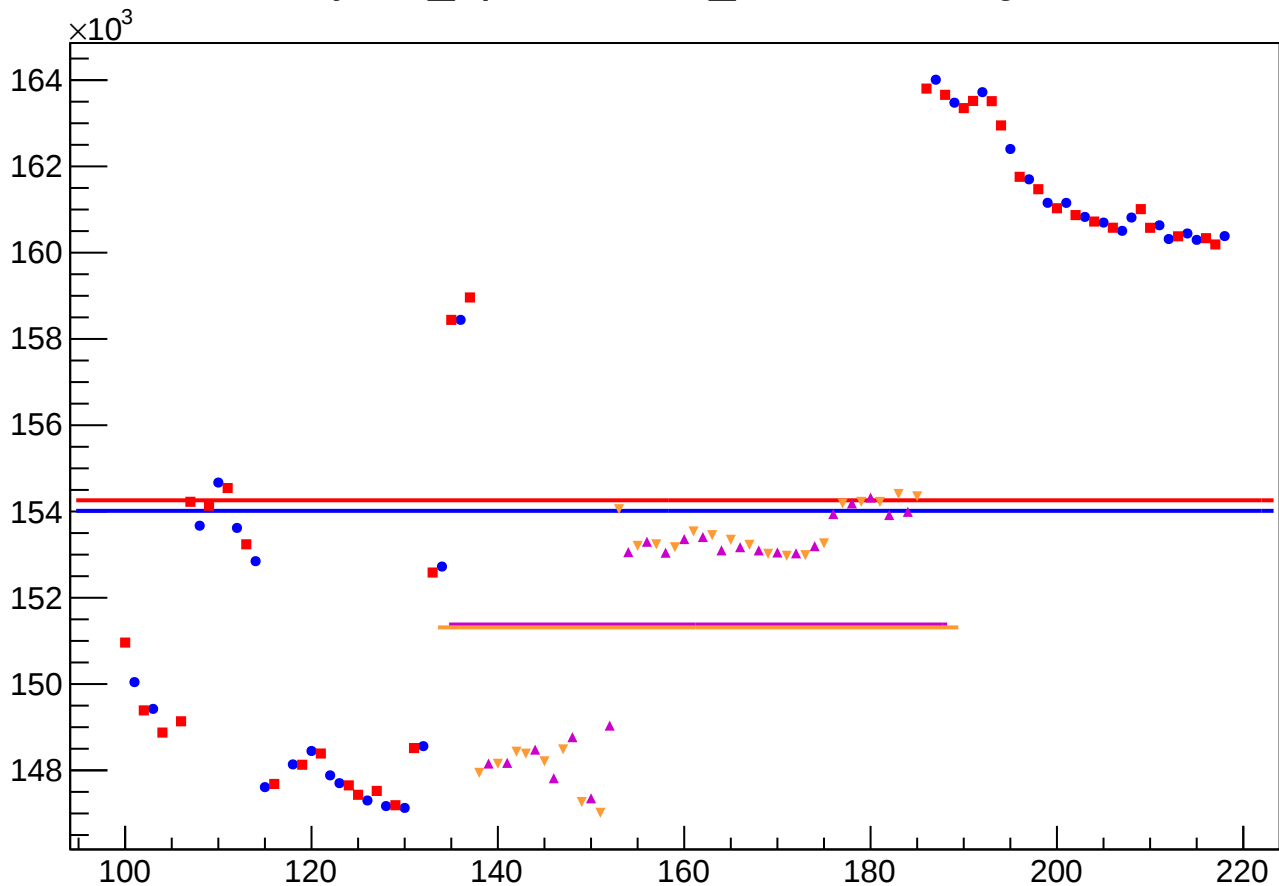
Left In: 0.805 ± 0.000 χ^2/NDF : 480510.8/22

+ sign 0.809 ± 0.000 χ^2/NDF : 4053703.6/57

All: 0.804 ± 0.000 χ^2/NDF : 8333384.0/116

- sign 0.800 ± 0.000 χ^2/NDF : 4275667.4/58

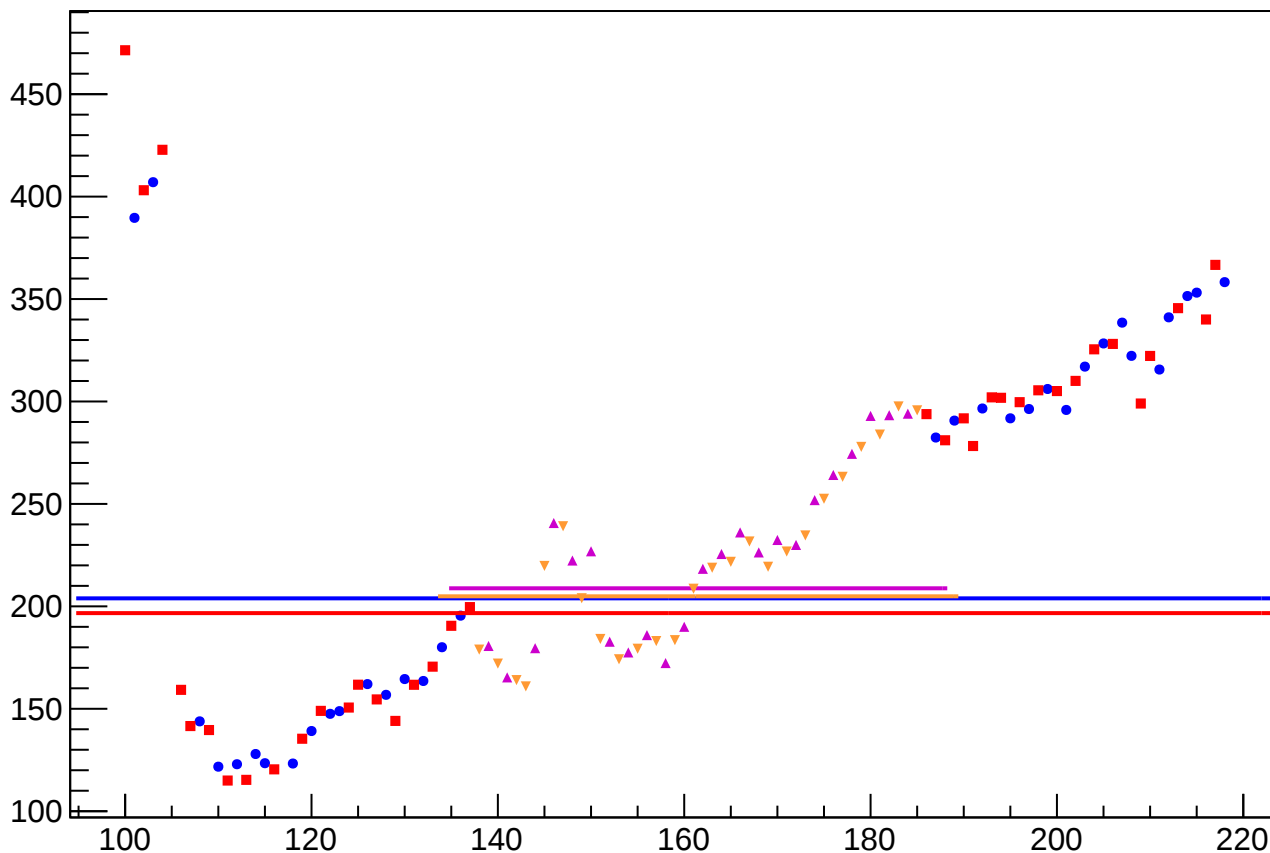
yield_bpm0i01WS_mean vs Slug



Right In: 154015.391 ± 0.052 $\chi^2/\text{NDF}: 12401926442.8/32$
 Left Out: 151313.284 ± 0.049 $\chi^2/\text{NDF}: 3153768134.8/24$
 Right Out: 154259.434 ± 0.050 $\chi^2/\text{NDF}: 12967562547.8/35$
 Left In: 151380.236 ± 0.051 $\chi^2/\text{NDF}: 2363895785.3/22$

+ sign 152566.326 ± 0.036 $\chi^2/\text{NDF}: 16984239713.3$
 All: 152709.081 ± 0.025 $\chi^2/\text{NDF}: 339659745.3$
 - sign 152852.855 ± 0.036 $\chi^2/\text{NDF}: 16949553643.3$

yield_bpm0i01WS_rms vs Slug



Right In: 203.906 $\pm$ 0.037 χ^2 /NDF: 5464587.6/32

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 196.698 $\pm$ 0.035 χ^2 /NDF: 5718461.4/35

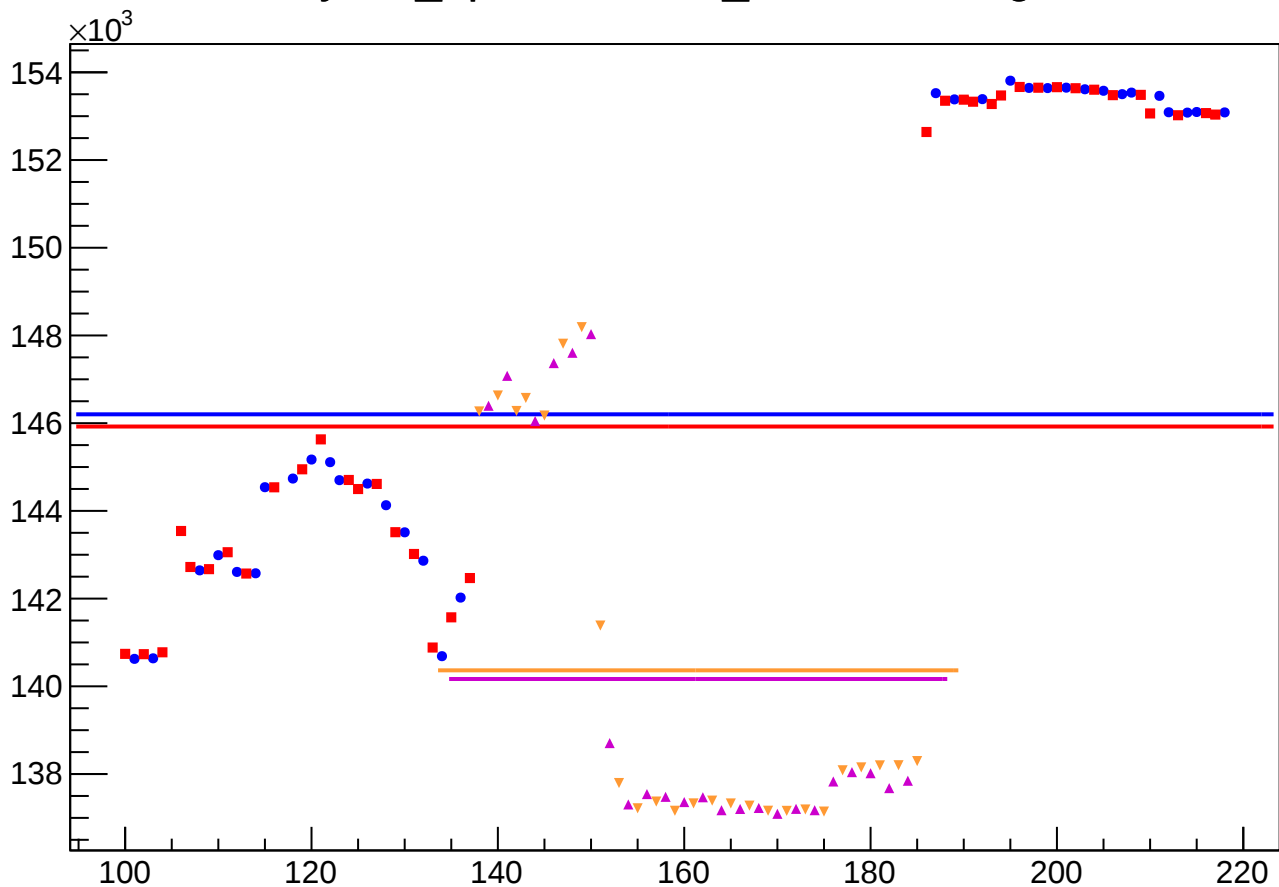
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 204.439 $\pm$ 0.025 χ^2 /NDF: 6521354.7/57

All: 203.531 $\pm$ 0.018 χ^2 /NDF: 13301650.4/13

- sign 202.616 $\pm$ 0.025 χ^2 /NDF: 6777692.0/58

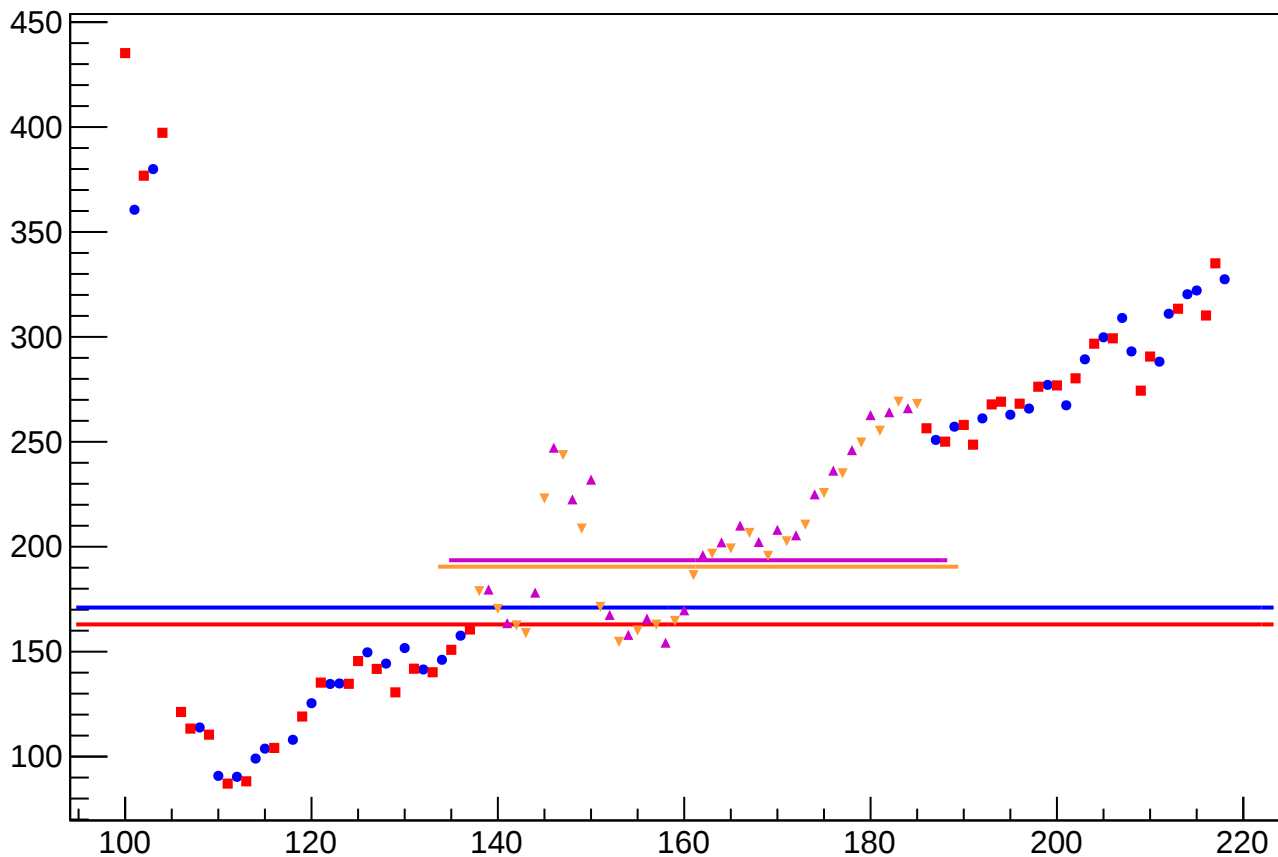
yield_bpm0i01aWS_mean vs Slug



Right In: 146201.996 $\pm$ 0.045 χ^2 /NDF: 10716856782.0/32
 Left Out: 140364.444 $\pm$ 0.045 χ^2 /NDF: 8677078677.7/24
 Right Out: 145923.579 $\pm$ 0.042 χ^2 /NDF: 11665331327.4/35
 Left In: 140166.971 $\pm$ 0.047 χ^2 /NDF: 8028464654.6/22

+ sign 143309.044 $\pm$ 0.032 χ^2 /NDF: 27800800114.
 All: 143345.268 $\pm$ 0.022 χ^2 /NDF: 557144909
 - sign 143380.820 $\pm$ 0.032 χ^2 /NDF: 27911124865.5

yield_bpm0i01aWS_rms vs Slug



Right In: 171.021+/-0.032 χ^2/NDF : 6699791.6/32

Left Out: 190.486+/-0.032 χ^2/NDF : 950233.2/24

Right Out: 162.980+/-0.030 χ^2/NDF : 7022403.3/35

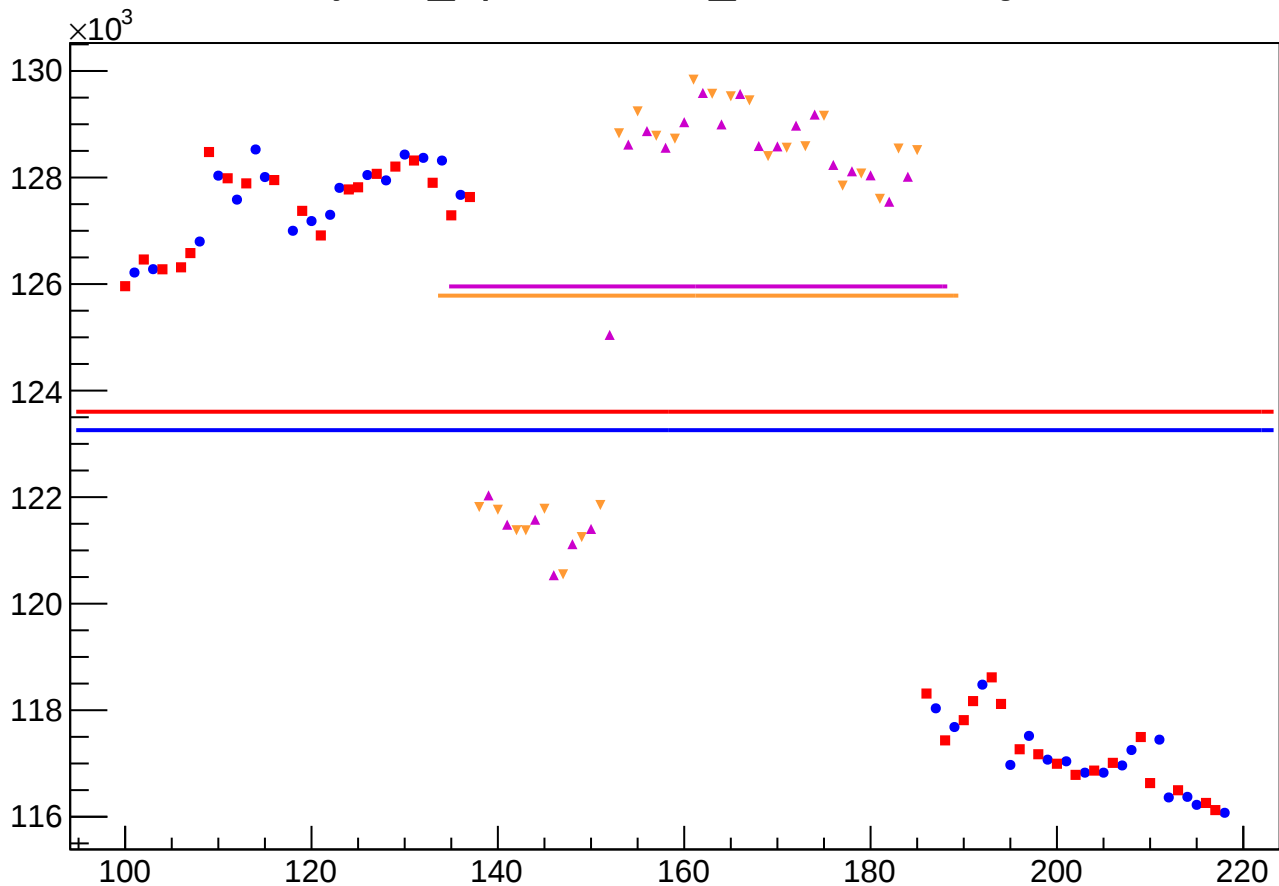
Left In: 193.558+/-0.034 χ^2/NDF : 963675.0/22

+ sign 180.667+/-0.023 χ^2/NDF : 7836961.7/57

All: 178.557+/-0.016 χ^2/NDF : 16304173.0/11

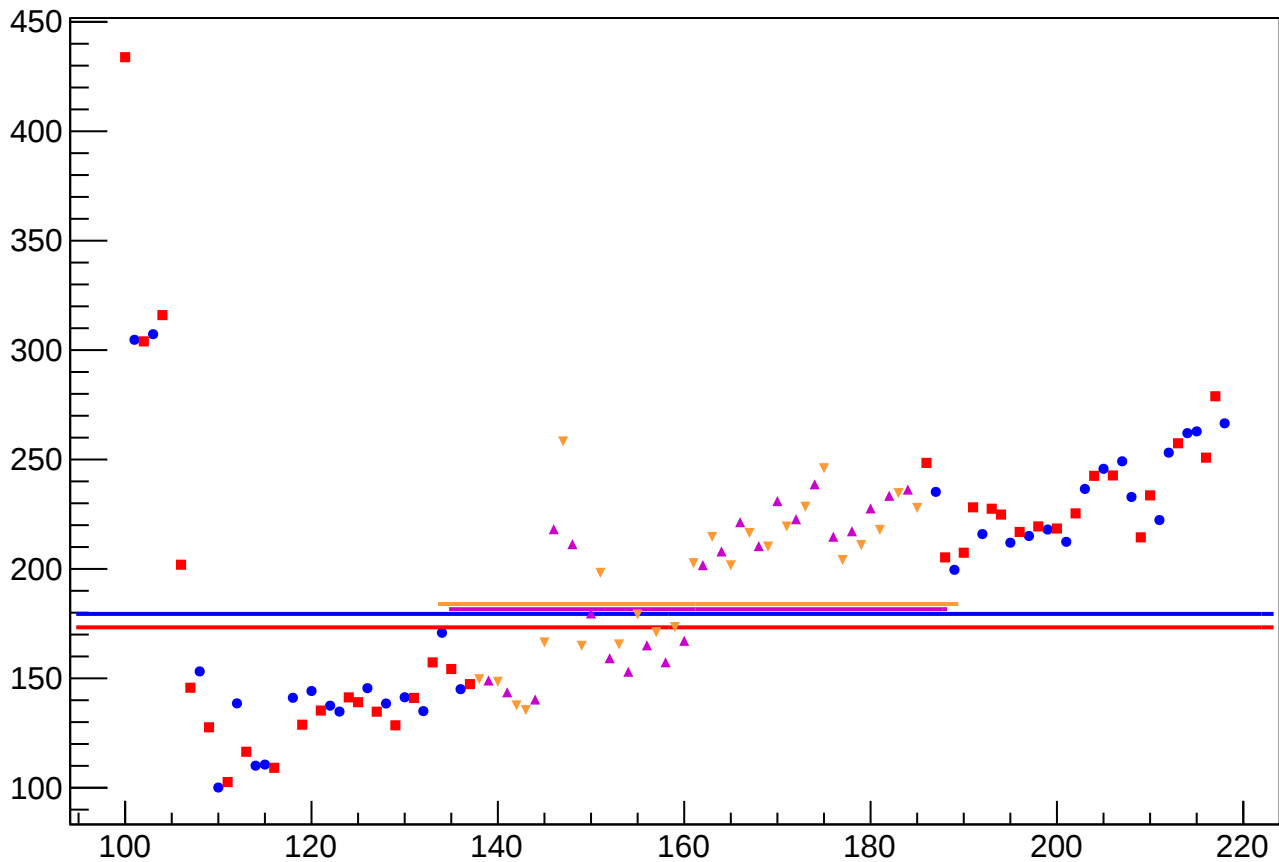
- sign 176.487+/-0.022 χ^2/NDF : 8449799.5/58

yield_bpm0l01WS_mean vs Slug



Right In: 123257.432 $\pm$ 0.044 χ^2 /NDF: 14115283428.4/32
 Left Out: 125782.764 $\pm$ 0.044 χ^2 /NDF: 6729761889.8/24
 Right Out: 123603.513 $\pm$ 0.042 χ^2 /NDF: 14709506834.0/35
 Left In: 125955.637 $\pm$ 0.045 χ^2 /NDF: 5804088930.1/22
 + sign 124529.475 $\pm$ 0.031 χ^2 /NDF: 22479591470.8
 All: 124624.483 $\pm$ 0.022 χ^2 /NDF: 444626215
 - sign 124717.064 $\pm$ 0.031 χ^2 /NDF: 21964757055.3

yield_bpm0l01WS_rms vs Slug



Right In: 179.442 $\pm$ 0.031 χ^2 /NDF: 2927249.5/32

Left Out: 183.947 $\pm$ 0.031 χ^2 /NDF:1123194.0/24

Right Out: 173.308 $\pm$ 0.030 χ^2 /NDF: 3346642.3/35

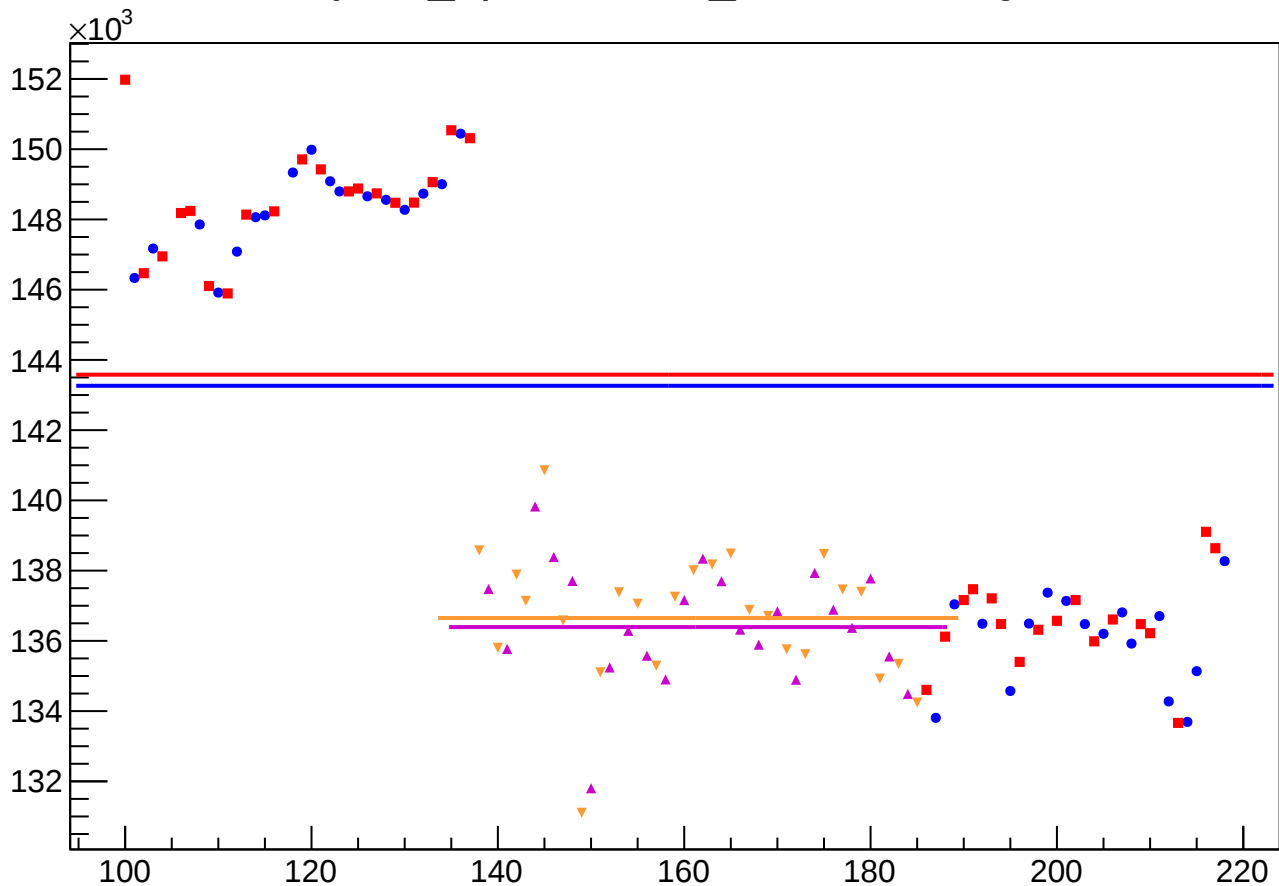
Left In: 181.596 $\pm$ 0.032 χ^2 /NDF:1103524.3/22

+ sign 181.711 $\pm$ 0.022 χ^2 /NDF: 4060843.9/57

All: 179.443 $\pm$ 0.016 χ^2 /NDF: 8567880.4/116

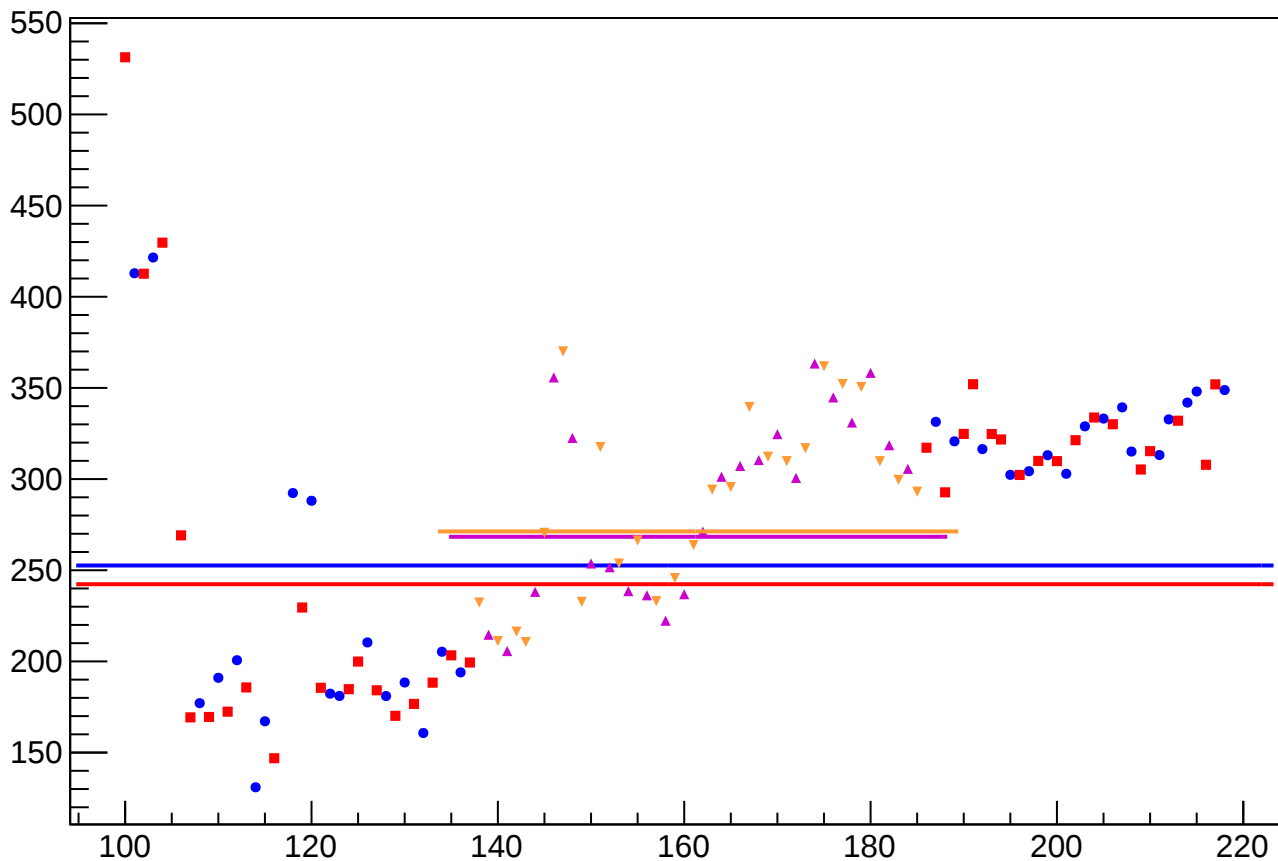
- sign 177.232 $\pm$ 0.022 χ^2 /NDF: 4486196.9/58

yield_bpm0l02WS_mean vs Slug



Right In: 143263.429 $\pm$ 0.062 χ^2/NDF : 9989191718.1/32
 Left Out: 136650.935 $\pm$ 0.065 χ^2/NDF : 930649595.5/24
 Right Out: 143579.380 $\pm$ 0.059 χ^2/NDF : 9990836252.4/35
 Left In: 136392.188 $\pm$ 0.066 χ^2/NDF : 701986841.4/22

yield_bpm0l02WS_rms vs Slug



Right In: 252.608 $\pm$ 0.044 χ^2 /NDF: 2865080.1/32

Left Out: 271.295 $\pm$ 0.046 χ^2 /NDF:1064485.7/24

Right Out: 242.318 $\pm$ 0.042 χ^2 /NDF: 3062520.9/35

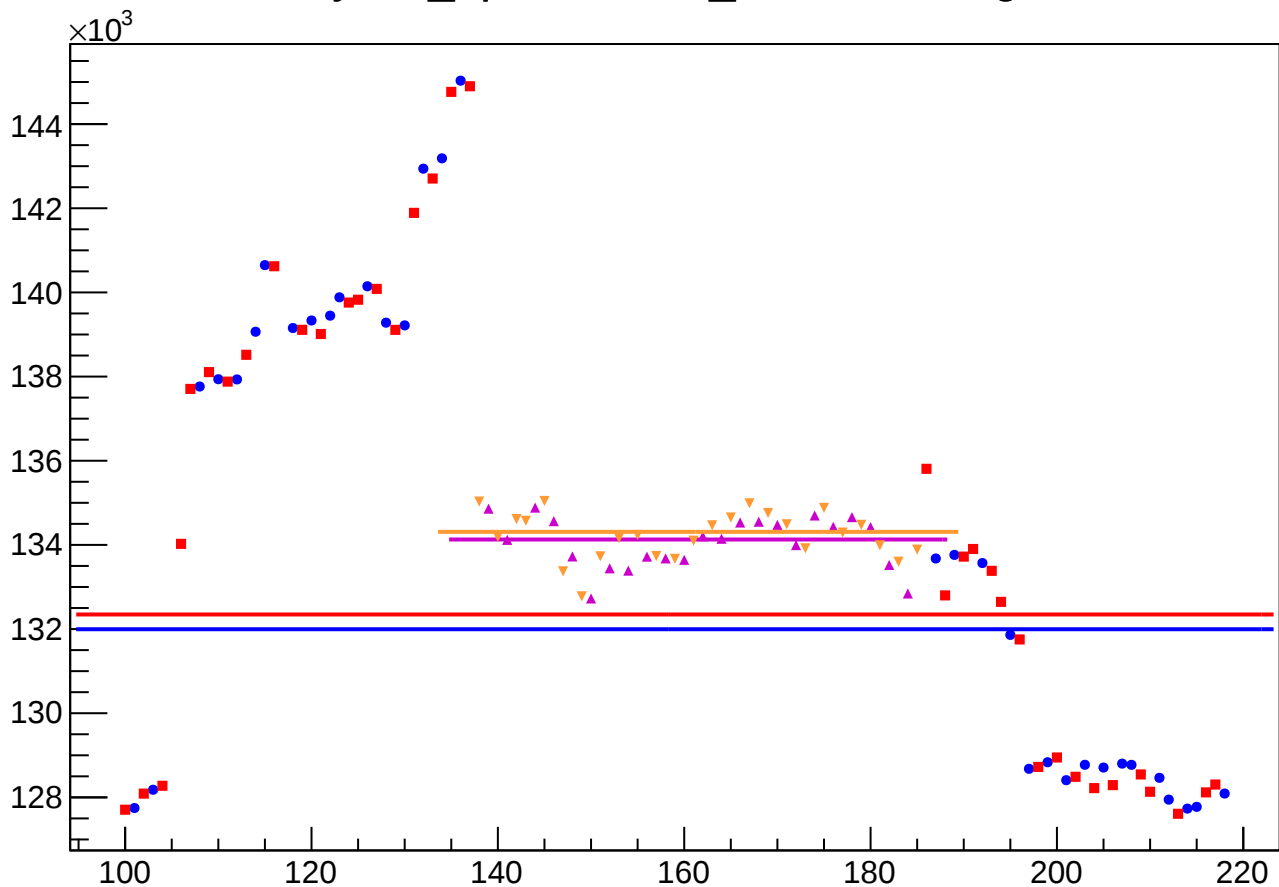
Left In: 268.344 $\pm$ 0.047 χ^2 /NDF:1077364.0/22

+ sign 261.614 $\pm$ 0.032 χ^2 /NDF: 4016204.0/57

All: 257.706 $\pm$ 0.022 χ^2 /NDF: 8358258.2/116

- sign 253.934 $\pm$ 0.031 χ^2 /NDF: 4312235.6/58

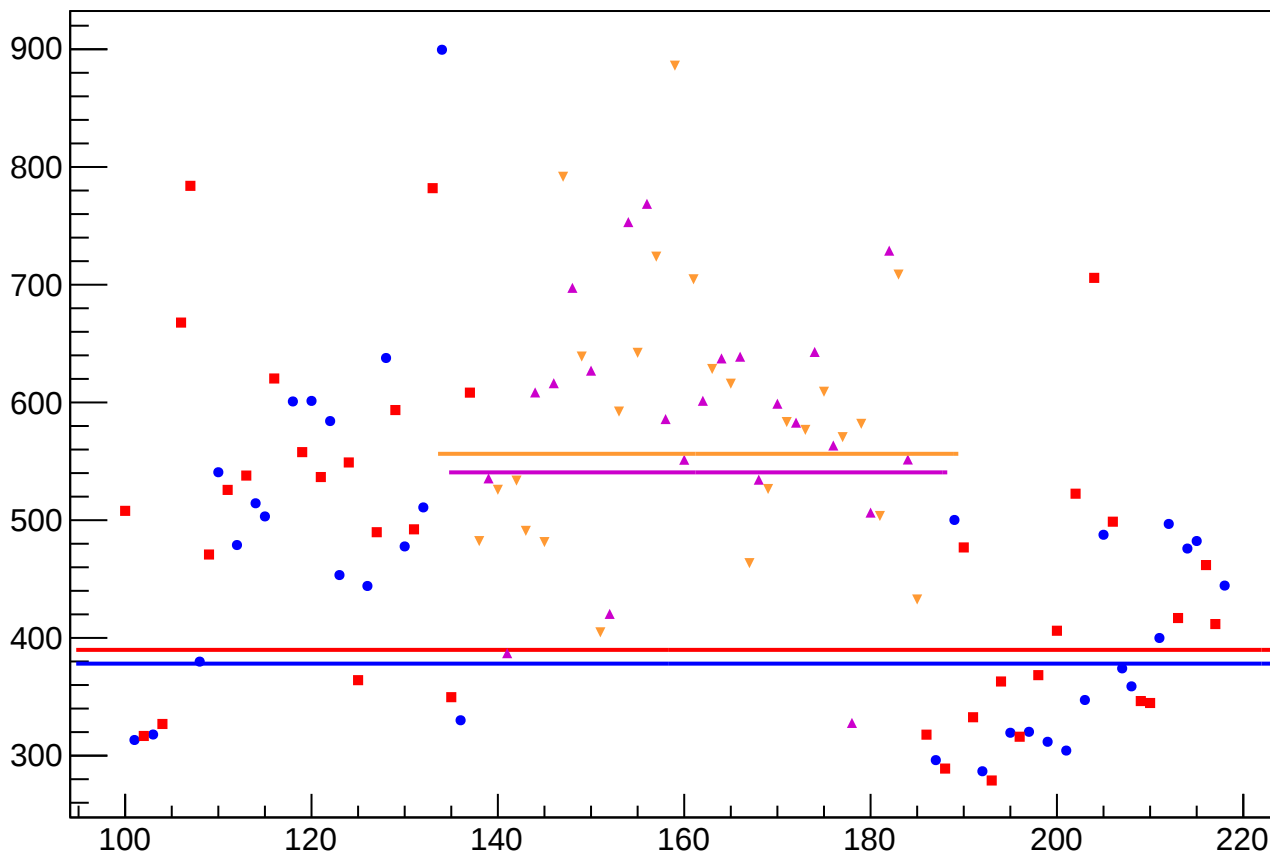
yield_bpm0l03WS_mean vs Slug



Right In: 131995.990 ± 0.100 $\chi^2/\text{NDF}: 2840730542.1/32$
 Left Out: 134310.250 ± 0.139 $\chi^2/\text{NDF}: 15518632.9/24$
 Right Out: 132346.642 ± 0.103 $\chi^2/\text{NDF}: 2058479996.2/35$
 Left In: 134128.172 ± 0.142 $\chi^2/\text{NDF}: 15533736.2/22$

+ sign 132790.781 ± 0.081 $\chi^2/\text{NDF}: 3039418109.8/24$
 All: 132873.637 ± 0.058 $\chi^2/\text{NDF}: 521871037.2/24$
 - sign 132961.007 ± 0.083 $\chi^2/\text{NDF}: 2177153028.9/24$

yield_bpm0l03WS_rms vs Slug



Right In: 378.163 ± 0.071 $\chi^2/\text{NDF}: 1573135.0/32$

Left Out: 556.381 ± 0.098 $\chi^2/\text{NDF}: 1002064.0/24$

Right Out: 389.851 ± 0.073 $\chi^2/\text{NDF}: 1971708.4/35$

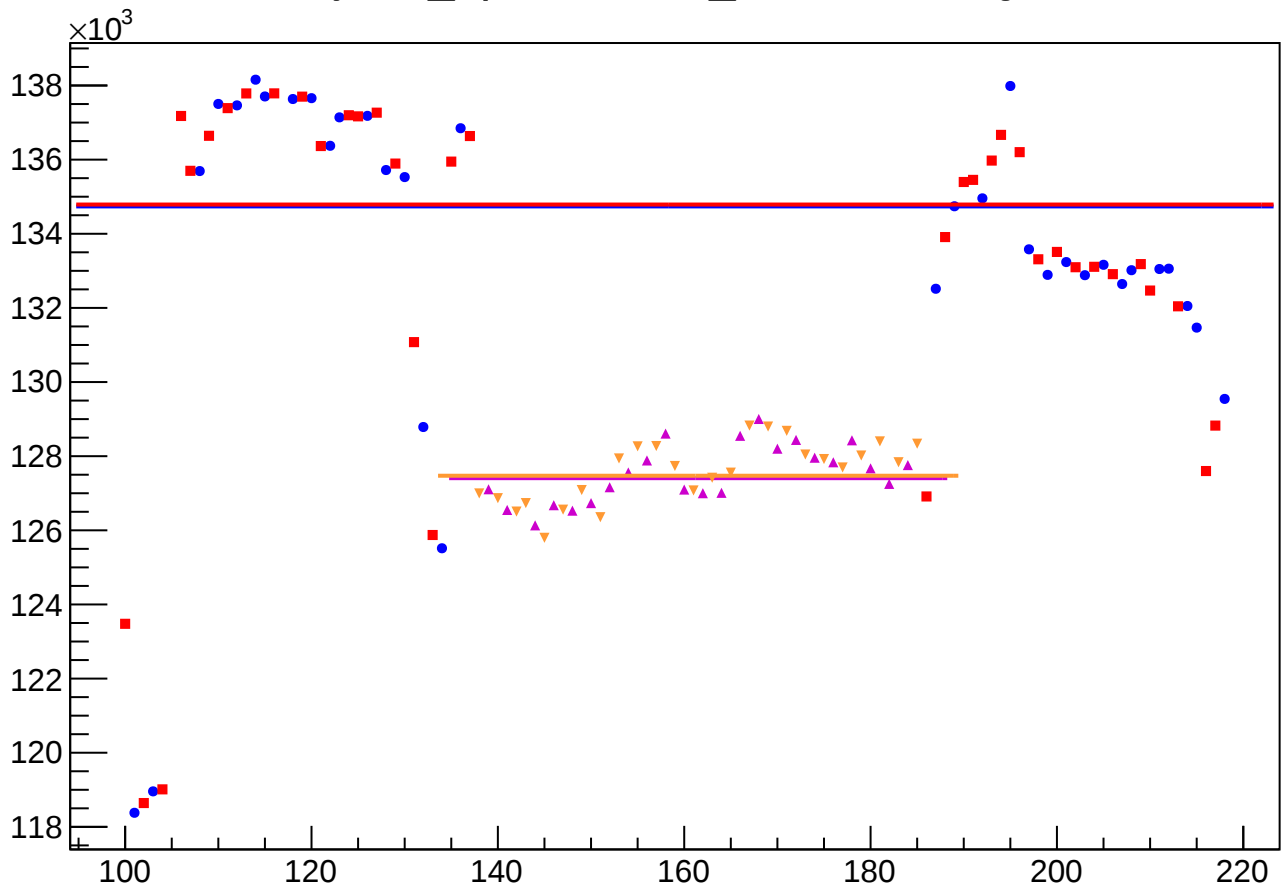
Left In: 540.607 ± 0.100 $\chi^2/\text{NDF}: 1409015.2/22$

+ sign 439.369 ± 0.057 $\chi^2/\text{NDF}: 4747705.6/57$

All: 440.572 ± 0.041 $\chi^2/\text{NDF}: 9606454.6/116$

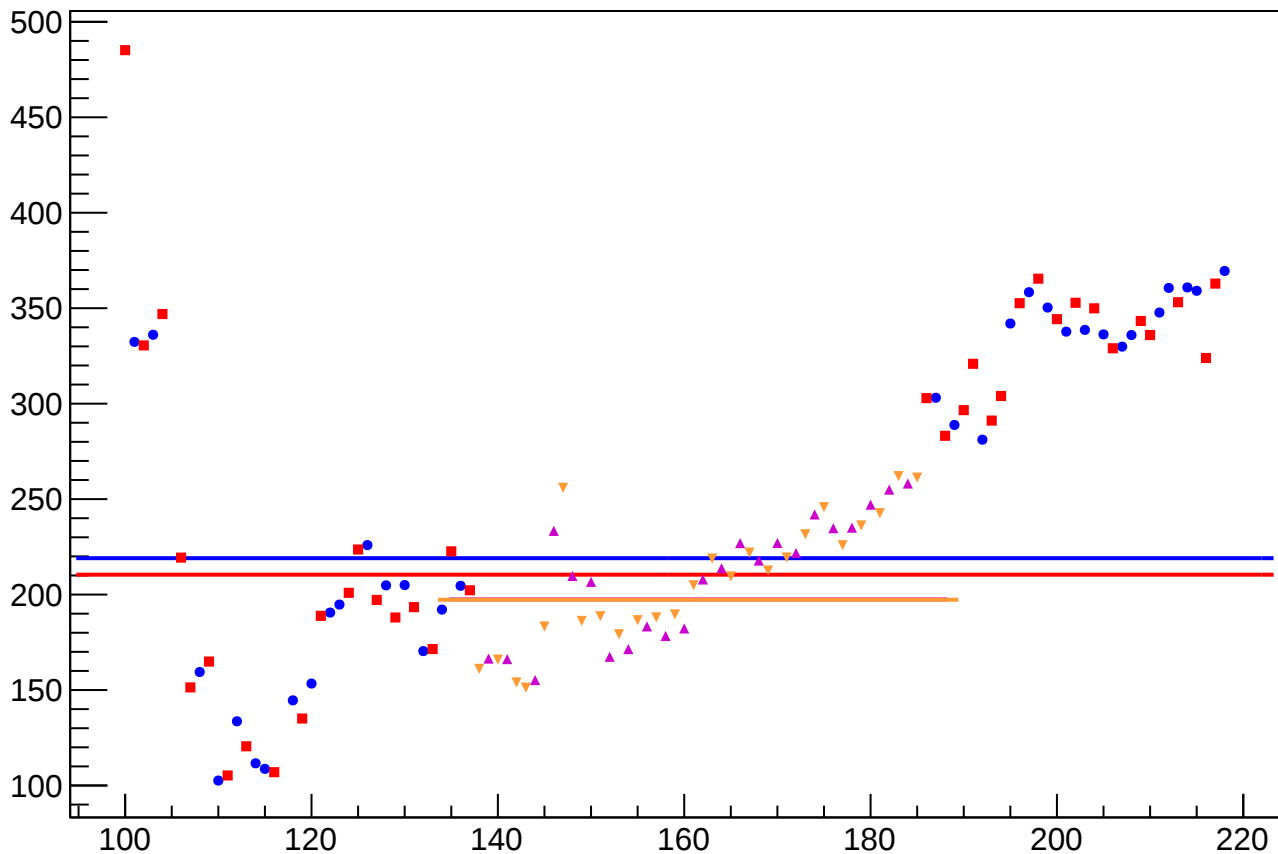
- sign 441.840 ± 0.059 $\chi^2/\text{NDF}: 4857848.0/58$

yield_bpm0l04WS_mean vs Slug



Right In: 134738.211 ± 0.056 $\chi^2/\text{NDF}: 5176860874.4/32$ $+ \text{sign } 130440.500 \pm 0.036$ $\chi^2/\text{NDF}: 15302712668.$
 Left Out: 127472.525 ± 0.047 $\chi^2/\text{NDF}: 303609315.6/24$ All: 130578.707 ± 0.025 $\chi^2/\text{NDF}: 319234683.$
 Right Out: 134788.719 ± 0.054 $\chi^2/\text{NDF}: 5877999889.0/35$ $- \text{sign } 130716.045 \pm 0.036$ $\chi^2/\text{NDF}: 16591430866.5$
 Left In: 127406.911 ± 0.048 $\chi^2/\text{NDF}: 269927988.0/22$

yield_bpm0l04WS_rms vs Slug



Right In: 219.061+/-0.040 χ^2/NDF : 5392752.2/32

Left Out: 197.289+/-0.033 χ^2/NDF : 852024.1/24

Right Out: 210.419+/-0.038 χ^2/NDF : 5732959.1/35

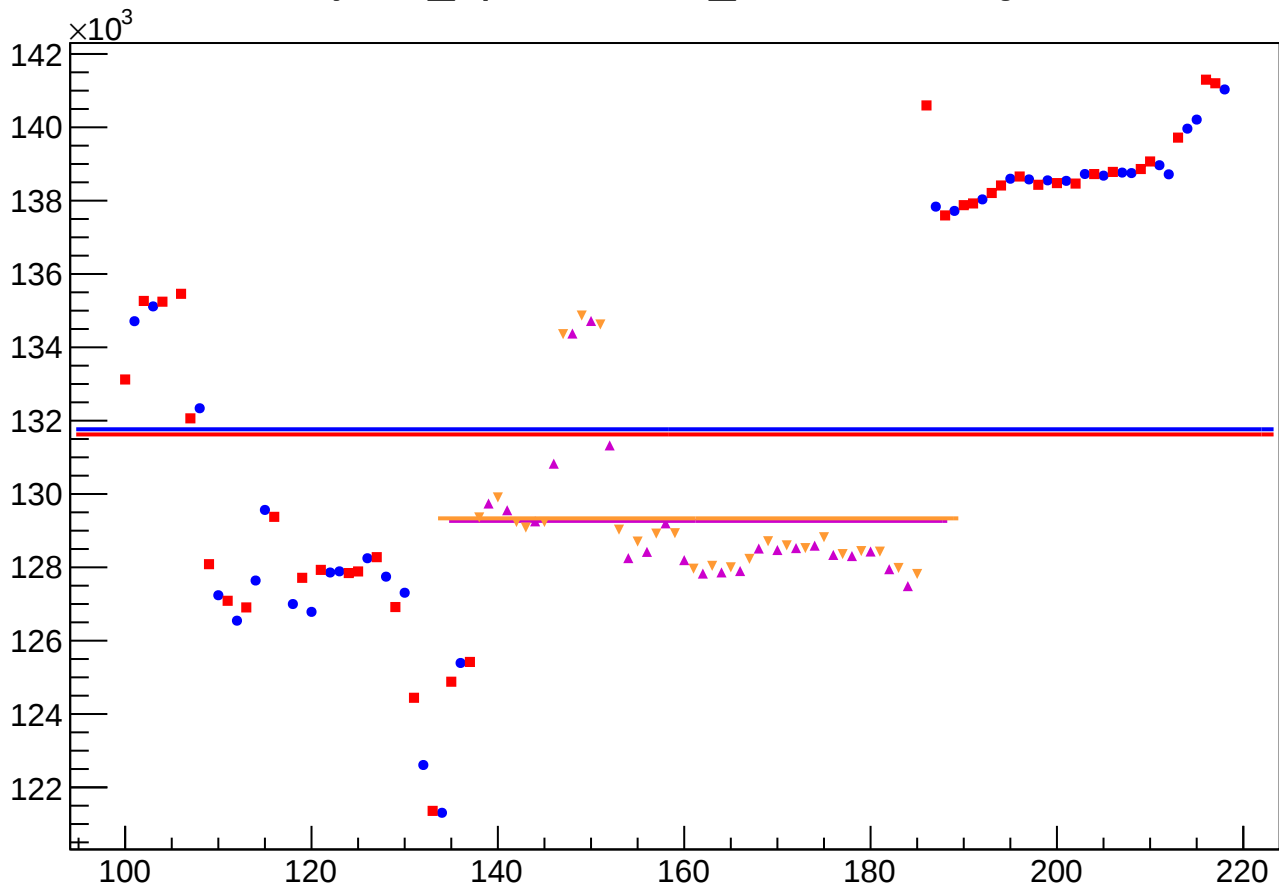
Left In: 197.471+/-0.034 χ^2/NDF : 791577.5/22

+ sign 206.183+/-0.025 χ^2/NDF : 6421173.9/57

All: 204.725+/-0.018 χ^2/NDF : 13016500.3/13

- sign 203.275+/-0.025 χ^2/NDF : 6588794.6/58

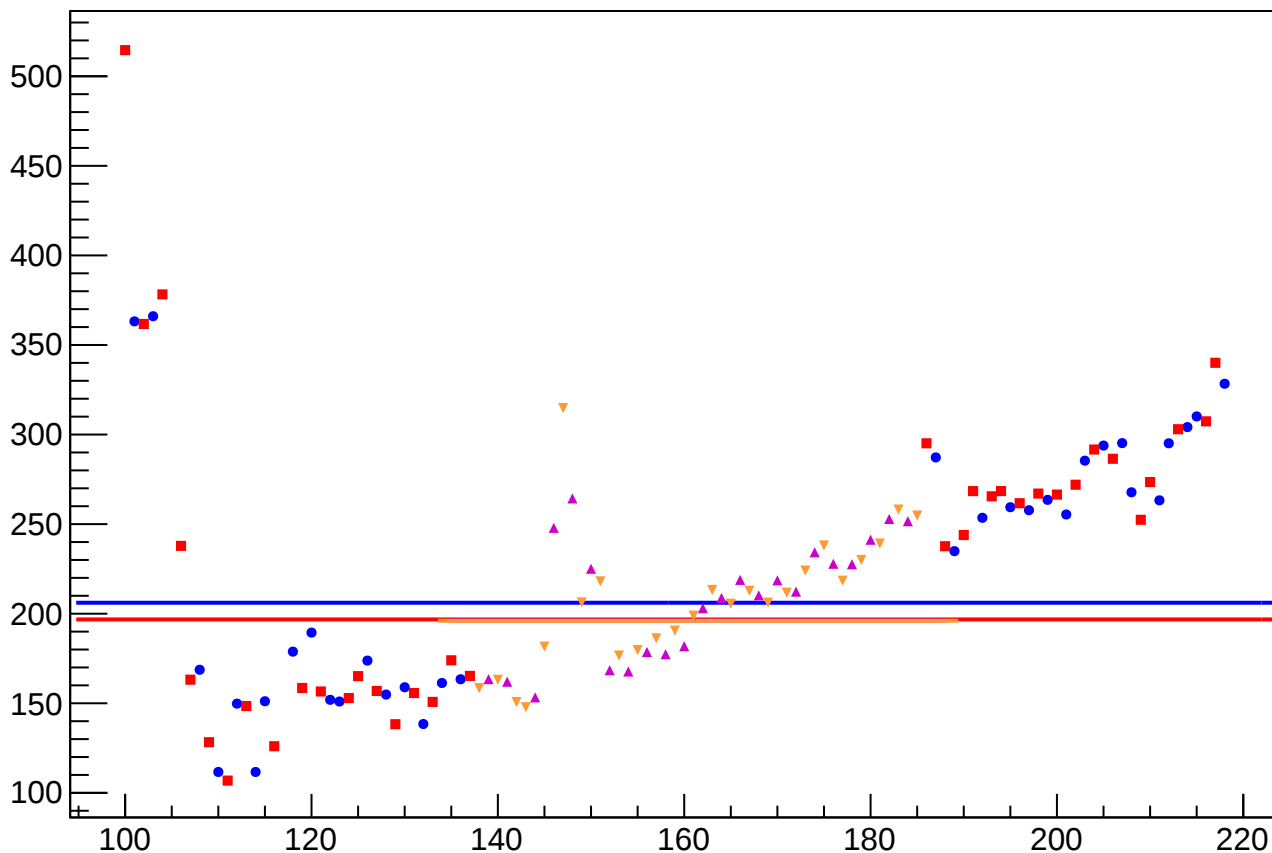
yield_bpm0l05WS_mean vs Slug



Right In: 131765.336 $\pm$ 0.052 χ^2 /NDF: 14222928232.4/32
 Left Out: 129335.946 $\pm$ 0.047 χ^2 /NDF: 1450933621.0/24
 Right Out: 131624.413 $\pm$ 0.049 χ^2 /NDF: 14803522709.5/35
 Left In: 129266.909 $\pm$ 0.048 χ^2 /NDF: 1213762773.1/22

+ sign 130432.751 $\pm$ 0.035 χ^2 /NDF: 16894227352.4/24
 All: 130429.702 $\pm$ 0.024 χ^2 /NDF: 340906503.1/24
 - sign 130426.703 $\pm$ 0.034 χ^2 /NDF: 17196407566.1/24

yield_bpm0l05WS_rms vs Slug



Right In: 206.123+/-0.036 χ^2/NDF : 3463766.7/32

Left Out: 196.077+/-0.033 χ^2/NDF : 975710.9/24

Right Out: 196.804+/-0.035 χ^2/NDF : 4073688.7/35

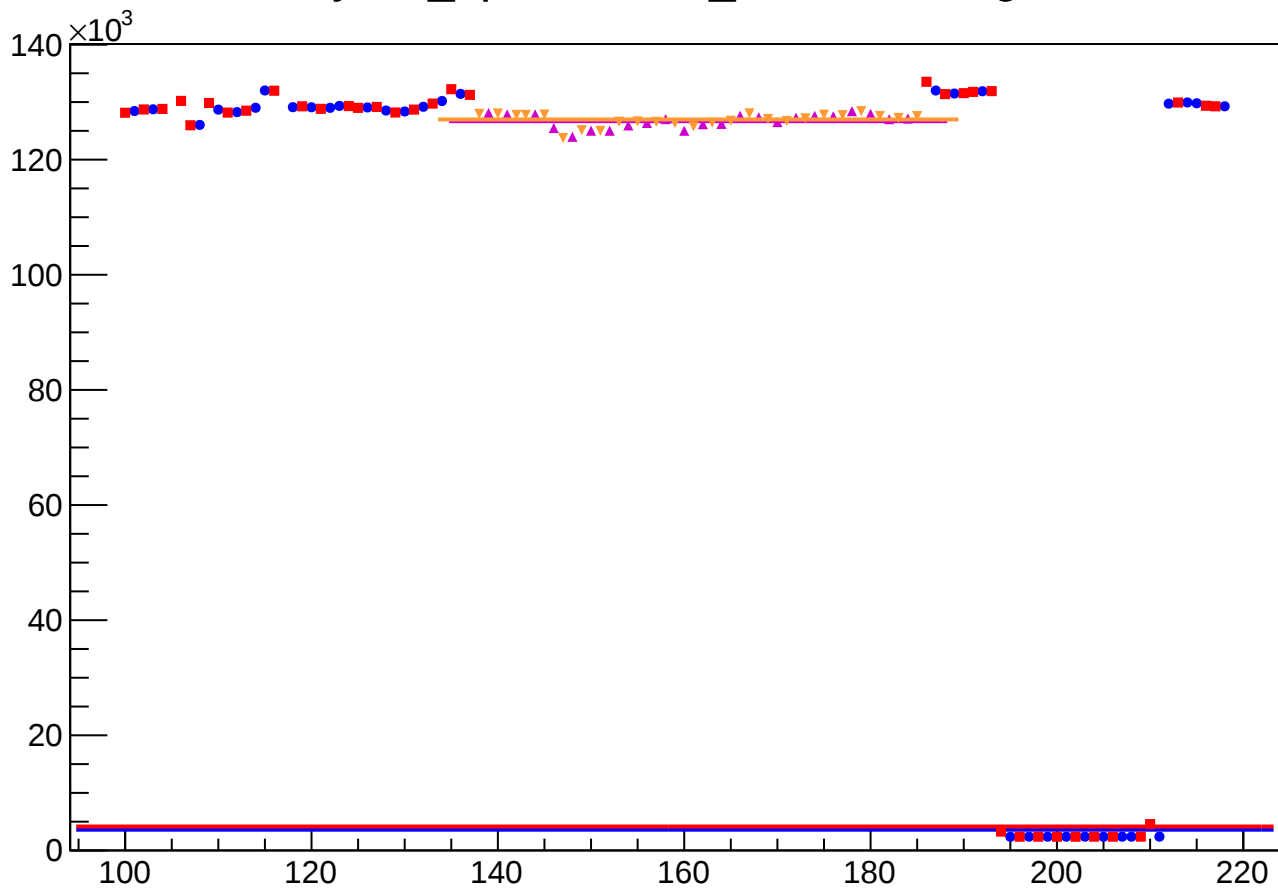
Left In: 196.186+/-0.034 χ^2/NDF : 898058.0/22

+ sign 200.613+/-0.024 χ^2/NDF : 4481211.1/57

All: 198.534+/-0.017 χ^2/NDF : 9467427.3/116

- sign 196.490+/-0.024 χ^2/NDF : 4971908.8/58

yield_bpm0l06WS_mean vs Slug



Right In: 3608.019 ± 0.005 $\chi^2/\text{NDF}: 5425441127516.6/32$

Left Out: 126981.724 ± 0.046 $\chi^2/\text{NDF}: 530573115.8/24$

Right Out: 4157.427 ± 0.006 $\chi^2/\text{NDF}: 6194343036866.2/35$

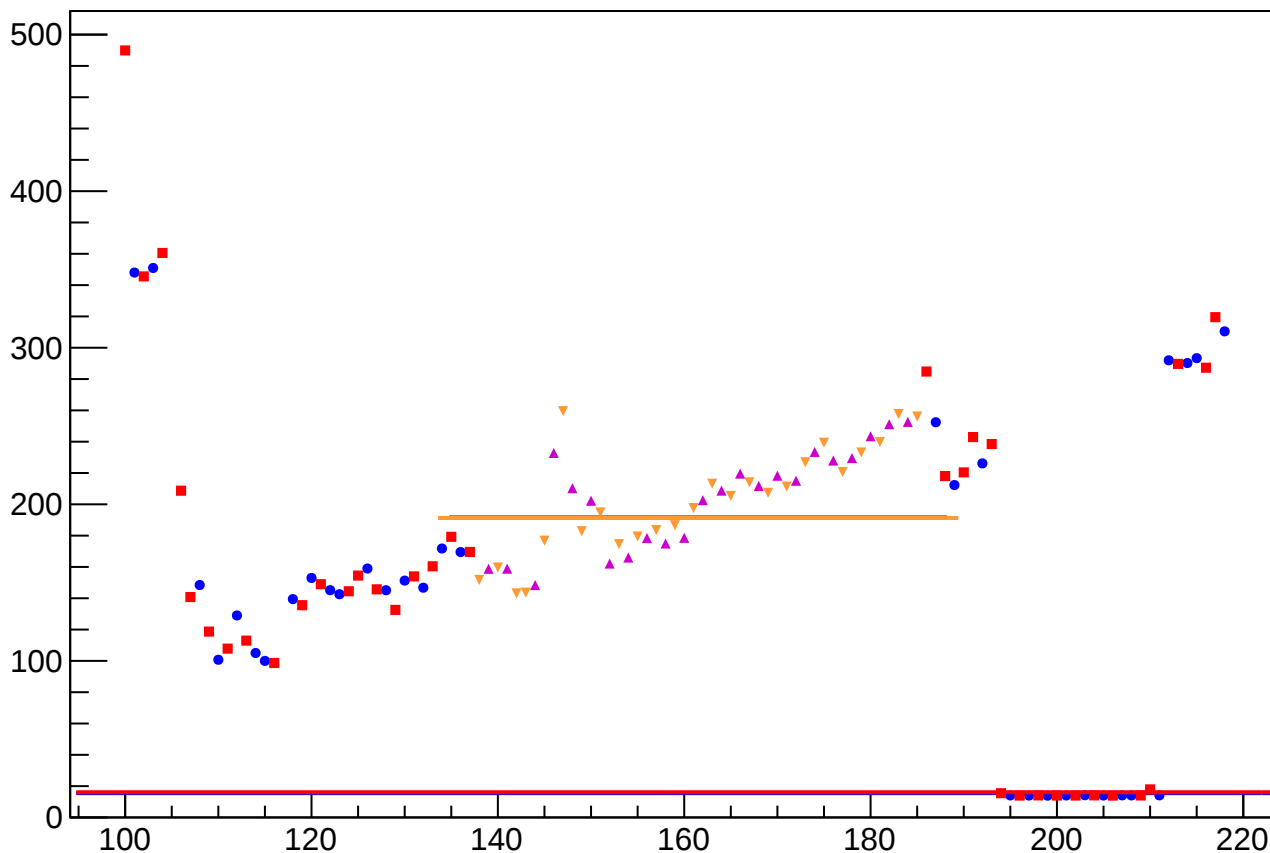
Left In: 126682.659 ± 0.047 $\chi^2/\text{NDF}: 660415880.0/22$

+ sign 5264.687 ± 0.005 $\chi^2/\text{NDF}: 12672325095767$

All: 5608.746 ± 0.004 $\chi^2/\text{NDF}: 25571229694$

- sign 6024.902 ± 0.006 $\chi^2/\text{NDF}: 12889505170943$

yield_bpm0l06WS_rms vs Slug



Right In: 15.536 $\pm$ 0.004 χ^2 /NDF: 18629649.7/32

Left Out: 191.263 $\pm$ 0.032 χ^2 /NDF: 992566.2/24

Right Out: 16.112 $\pm$ 0.004 χ^2 /NDF: 19486313.4/35

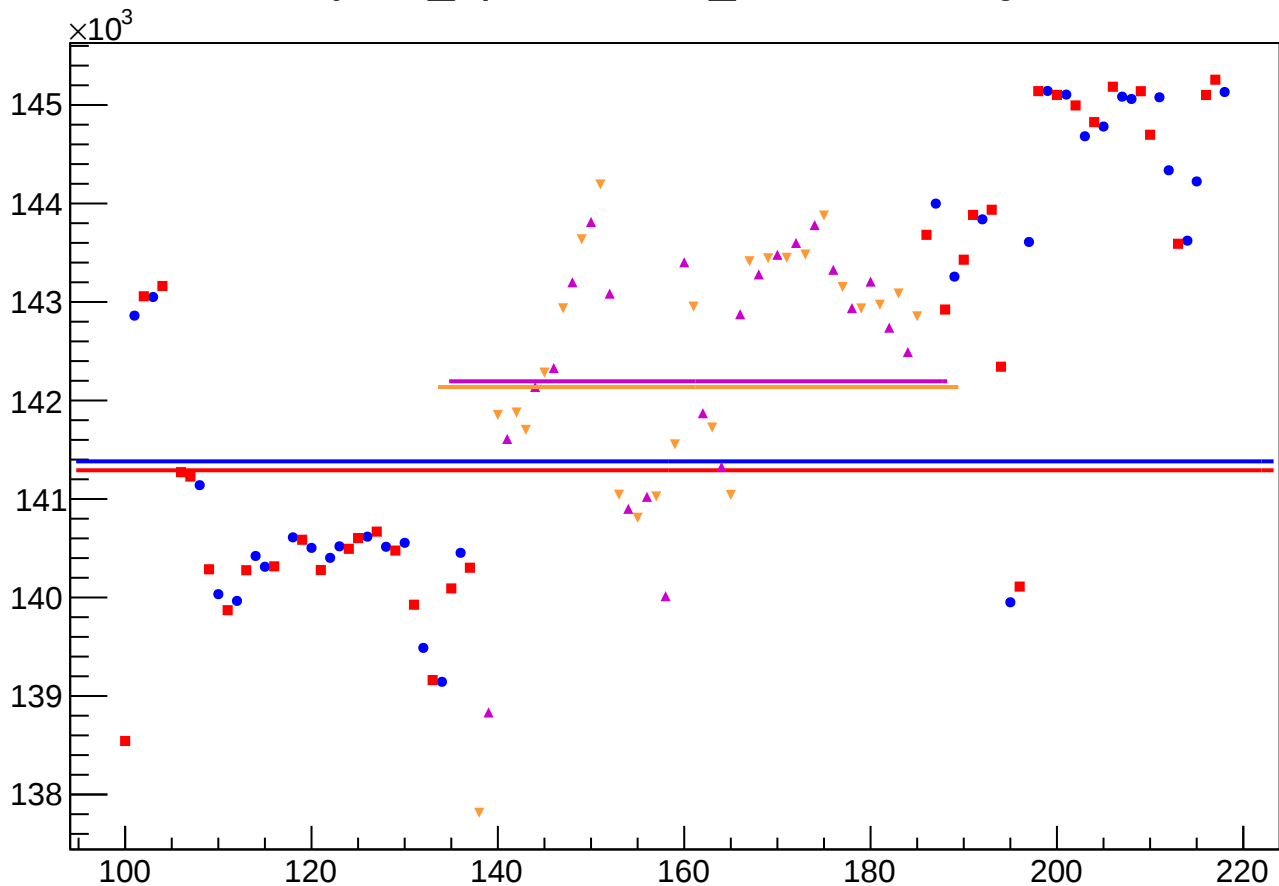
Left In: 191.683 $\pm$ 0.033 χ^2 /NDF: 864384.9/22

+ sign 17.896 $\pm$ 0.004 χ^2 /NDF: 49024379.6/57

All: 18.300 $\pm$ 0.003 χ^2 /NDF: 96892604.8/116

- sign 18.788 $\pm$ 0.004 χ^2 /NDF: 47842357.9/58

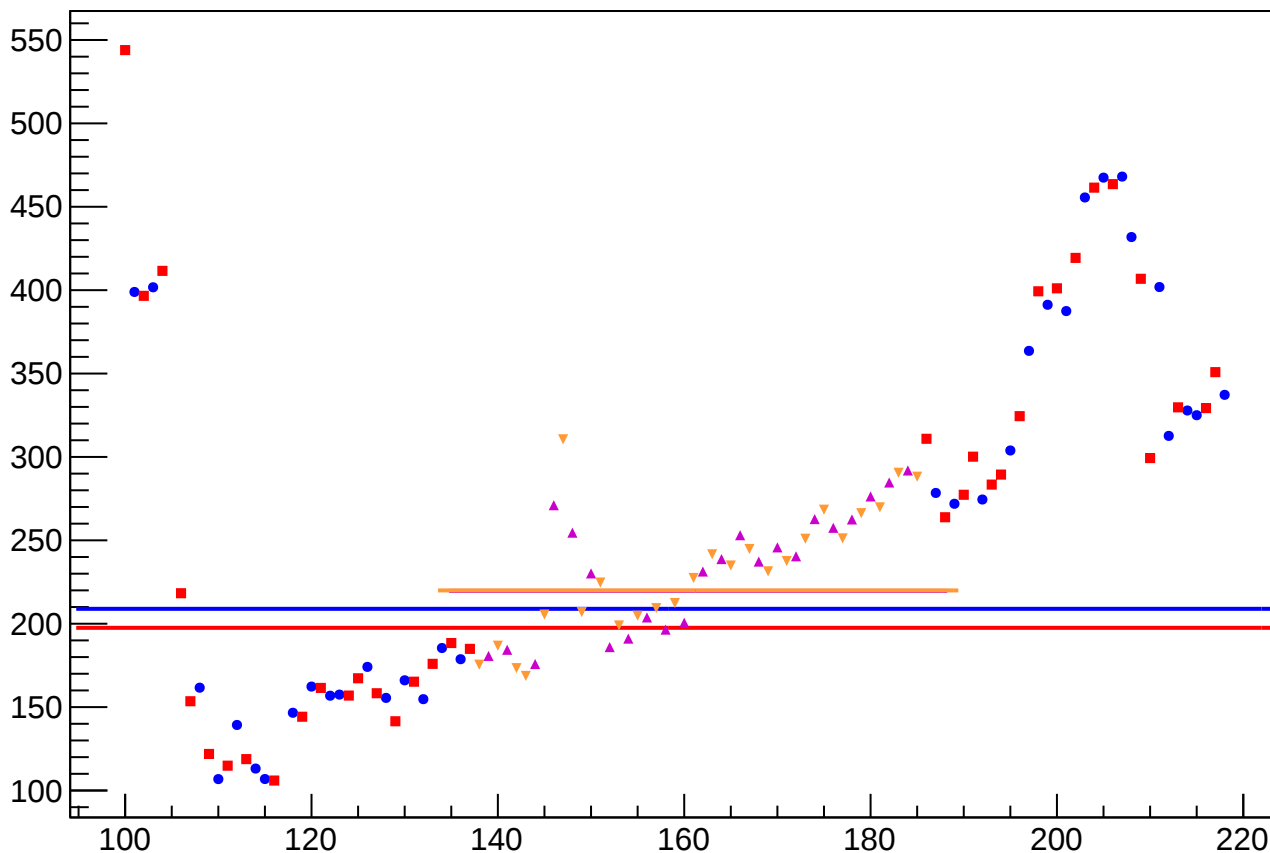
yield_bpm0l07WS_mean vs Slug



Right In: 141382.063 $\pm$ 0.055 χ^2 /NDF: 1115471743.1/32
 Left Out: 142136.579 $\pm$ 0.052 χ^2 /NDF: 815573343.0/24
 Right Out: 141291.481 $\pm$ 0.051 χ^2 /NDF: 1183456146.2/35
 Left In: 142195.020 $\pm$ 0.054 χ^2 /NDF: 644030906.9/22

+ sign 141776.772 $\pm$ 0.038 χ^2 /NDF: 2030199787.7
 All: 141748.373 $\pm$ 0.027 χ^2 /NDF: 400641280
 - sign 141721.026 $\pm$ 0.037 χ^2 /NDF: 1975107760.9

yield_bpm0l07WS_rms vs Slug



Right In: 208.932+/-0.039 χ^2/NDF : 6653638.1/32

Left Out: 219.969+/-0.037 χ^2/NDF : 866616.3/24

Right Out: 197.543+/-0.036 χ^2/NDF : 6969408.7/35

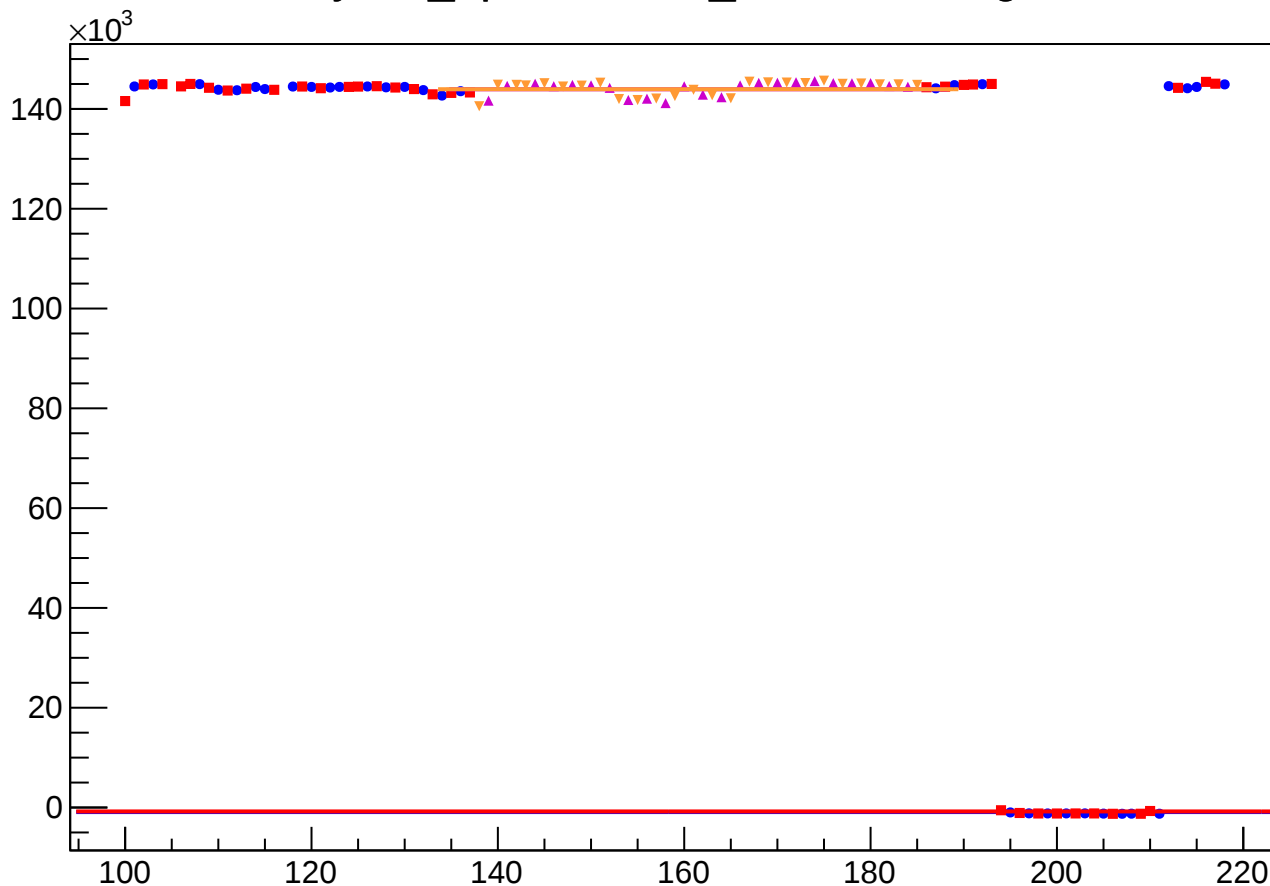
Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

+ sign 214.706+/-0.027 χ^2/NDF : 7562686.1/57

All: 211.325+/-0.019 χ^2/NDF : 15553473.7/11

- sign 208.069+/-0.026 χ^2/NDF : 7959452.9/58

yield_bpm0l08WS_mean vs Slug



Right In: -912.607 ± 0.003 χ^2/NDF : 5886682935094.5/32

Left Out: 143951.284 ± 0.052 χ^2/NDF : 864679545.2/24

Right Out: -784.434 ± 0.003 χ^2/NDF : 6816988484241.7/35

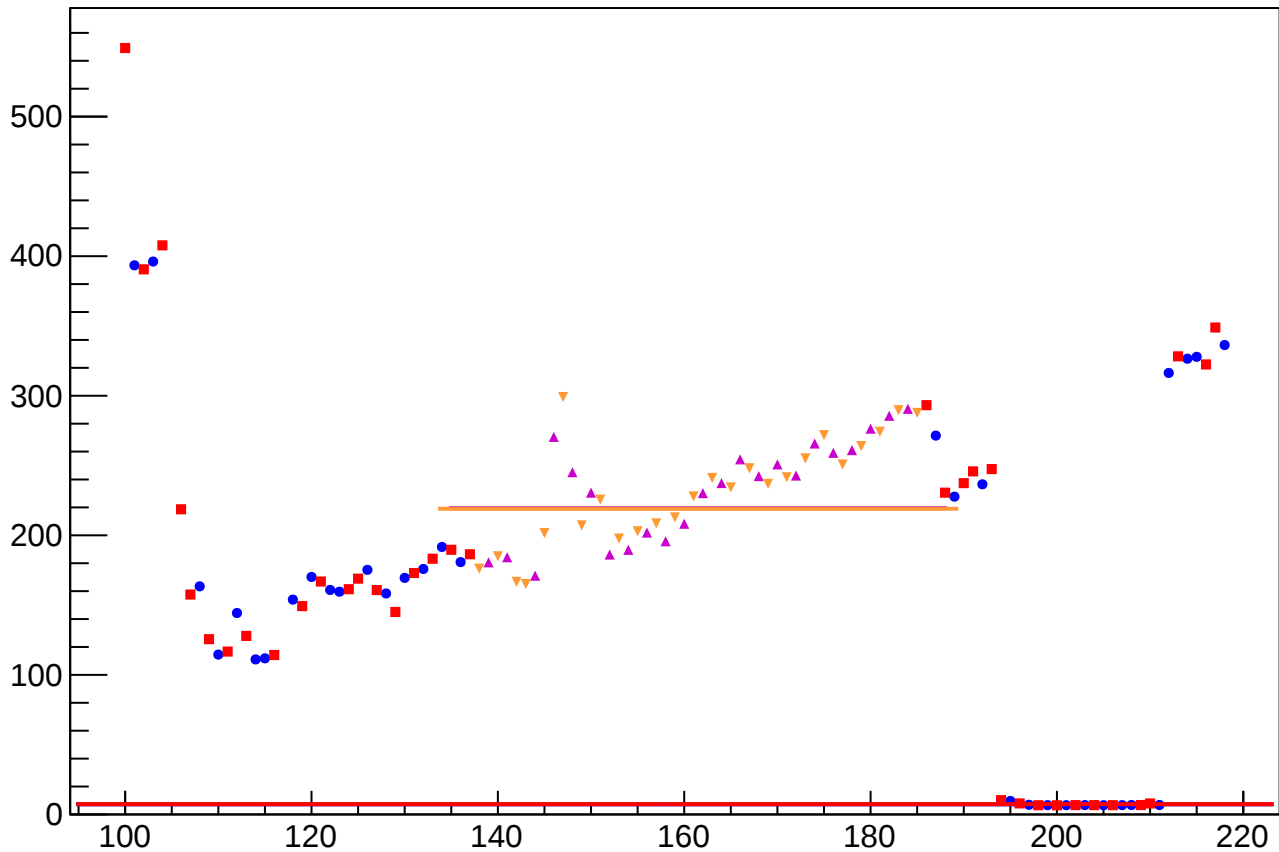
Left In: 143938.288 ± 0.054 χ^2/NDF : 719814685.6/22

+ sign -543.299 ± 0.003 χ^2/NDF : 13588451105991

All: -463.575 ± 0.002 χ^2/NDF : 27612469367

- sign -367.488 ± 0.003 χ^2/NDF : 14021995538209

yield_bpm0l08WS_rms vs Slug



Right In: 7.254 ± 0.002 χ^2/NDF : 20597693.6/32

Left Out: 219.050 ± 0.037 χ^2/NDF : 934417.6/24

Right Out: 7.356 ± 0.002 χ^2/NDF : 21624204.6/35

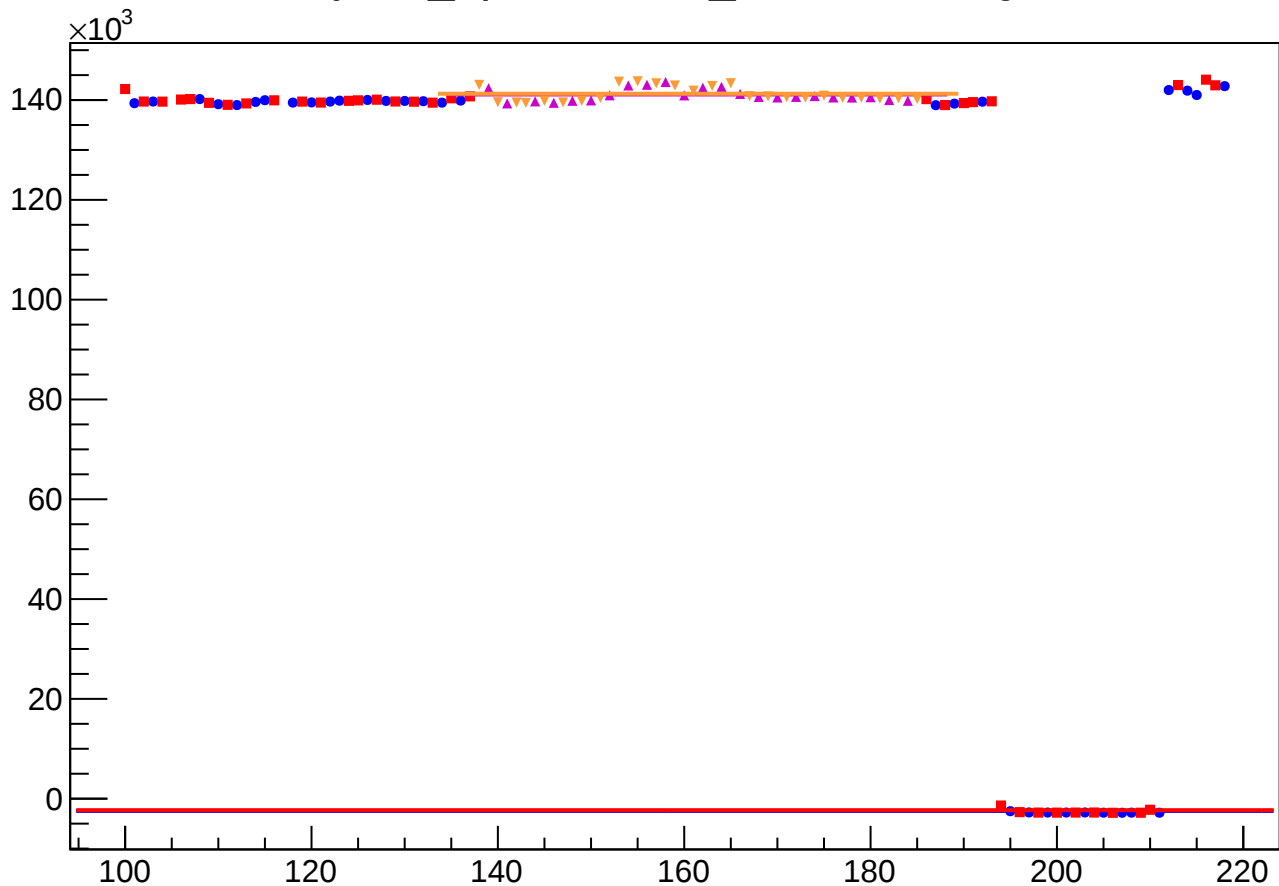
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 7.793 ± 0.002 χ^2/NDF : 54454214.2/57

All: 7.872 ± 0.001 χ^2/NDF : 107871398.1/116

- sign 7.967 ± 0.002 χ^2/NDF : 53413250.8/58

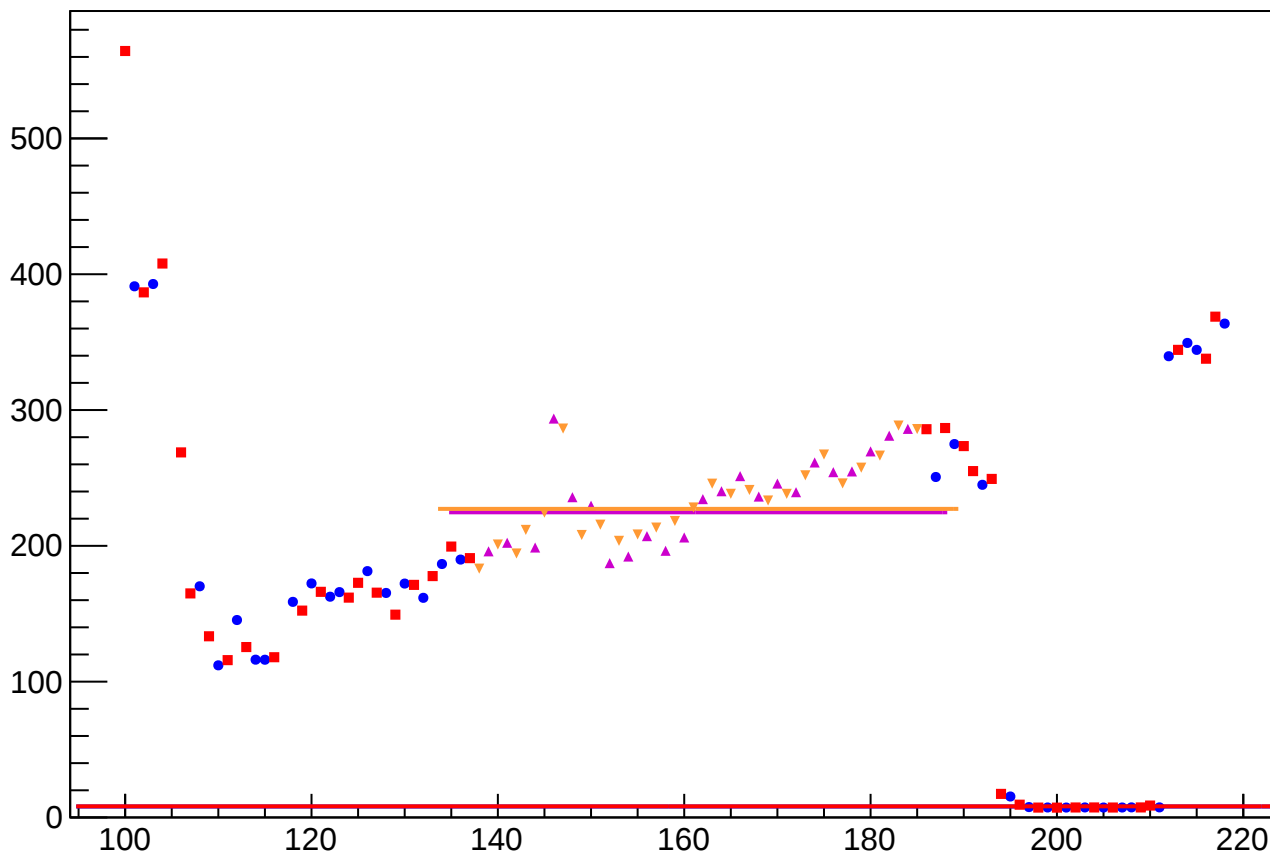
yield_bpm0l09WS_mean vs Slug



Right In: -2451.307 ± 0.003 $\chi^2/\text{NDF}: 5372698604811.0/32$
 Left Out: 141268.791 ± 0.054 $\chi^2/\text{NDF}: 795989244.2/24$
 Right Out: -2309.675 ± 0.003 $\chi^2/\text{NDF}: 6165671273033.6/35$
 Left In: 141119.484 ± 0.055 $\chi^2/\text{NDF}: 565312728.1/22$

+ sign -2019.011 ± 0.003 $\chi^2/\text{NDF}: 1251508079084$
 All: -1925.284 ± 0.002 $\chi^2/\text{NDF}: 2548160451$
 - sign -1812.272 ± 0.003 $\chi^2/\text{NDF}: 12964289662950$

yield_bpm0l09WS_rms vs Slug



Right In: 8.053 ± 0.002 χ^2/NDF : 20732047.0/32

Left Out: 227.224 ± 0.038 χ^2/NDF : 484955.3/24

Right Out: 8.186 ± 0.002 χ^2/NDF : 21650188.0/35

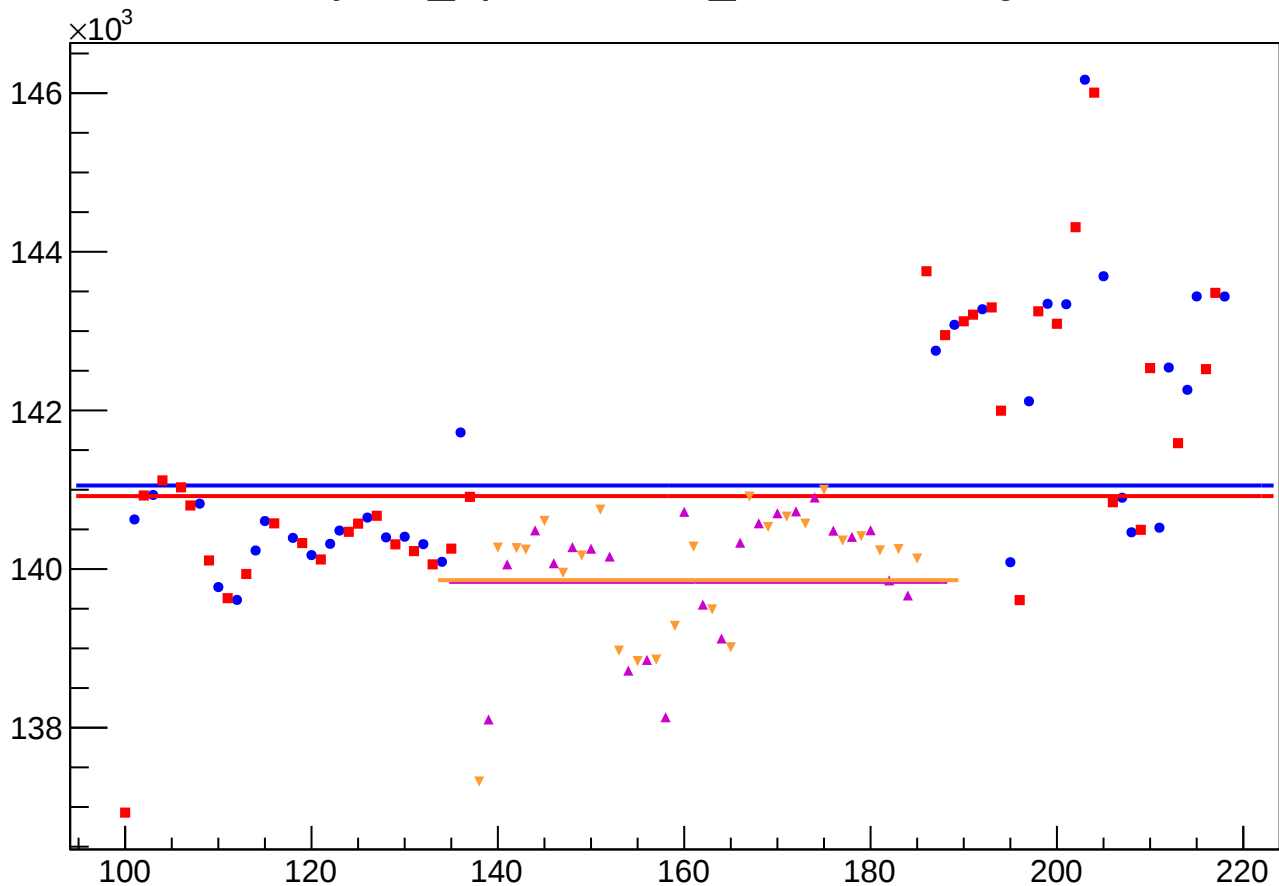
Left In: 224.686 ± 0.039 χ^2/NDF : 578366.0/22

+ sign 8.712 ± 0.002 χ^2/NDF : 54433650.9/57

All: 8.814 ± 0.002 χ^2/NDF : 107645730.4/116

- sign 8.937 ± 0.002 χ^2/NDF : 53206809.5/58

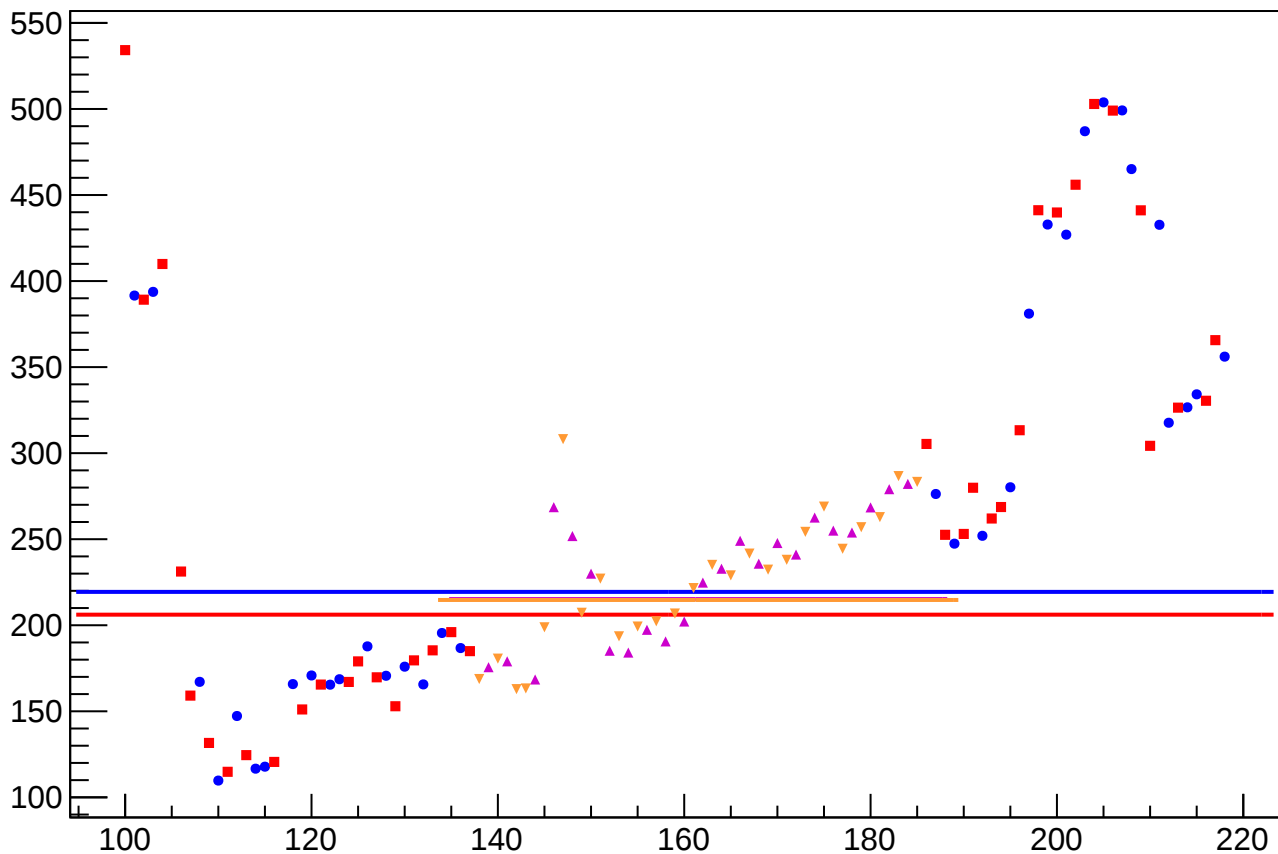
yield_bpm0l10WS_mean vs Slug



Right In: 141053.403 ± 0.057 $\chi^2/\text{NDF}: 534227064.4/32$
 Left Out: 139859.696 ± 0.051 $\chi^2/\text{NDF}: 330118281.5/24$
 Right Out: 140920.036 ± 0.053 $\chi^2/\text{NDF}: 585695167.3/35$
 Left In: 139838.724 ± 0.053 $\chi^2/\text{NDF}: 279573689.3/22$

+ sign 140388.117 ± 0.038 $\chi^2/\text{NDF}: 1105939696.9$
 All: 140381.640 ± 0.027 $\chi^2/\text{NDF}: 217943130$
 - sign 140375.391 ± 0.037 $\chi^2/\text{NDF}: 1073434958.3/$

yield_bpm0l10WS_rms vs Slug



Right In: 219.390 $\pm$ 0.041 χ^2 /NDF: 6338073.4/32

Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF: 981105.5/24

Right Out: 206.150 $\pm$ 0.038 χ^2 /NDF: 6545357.5/35

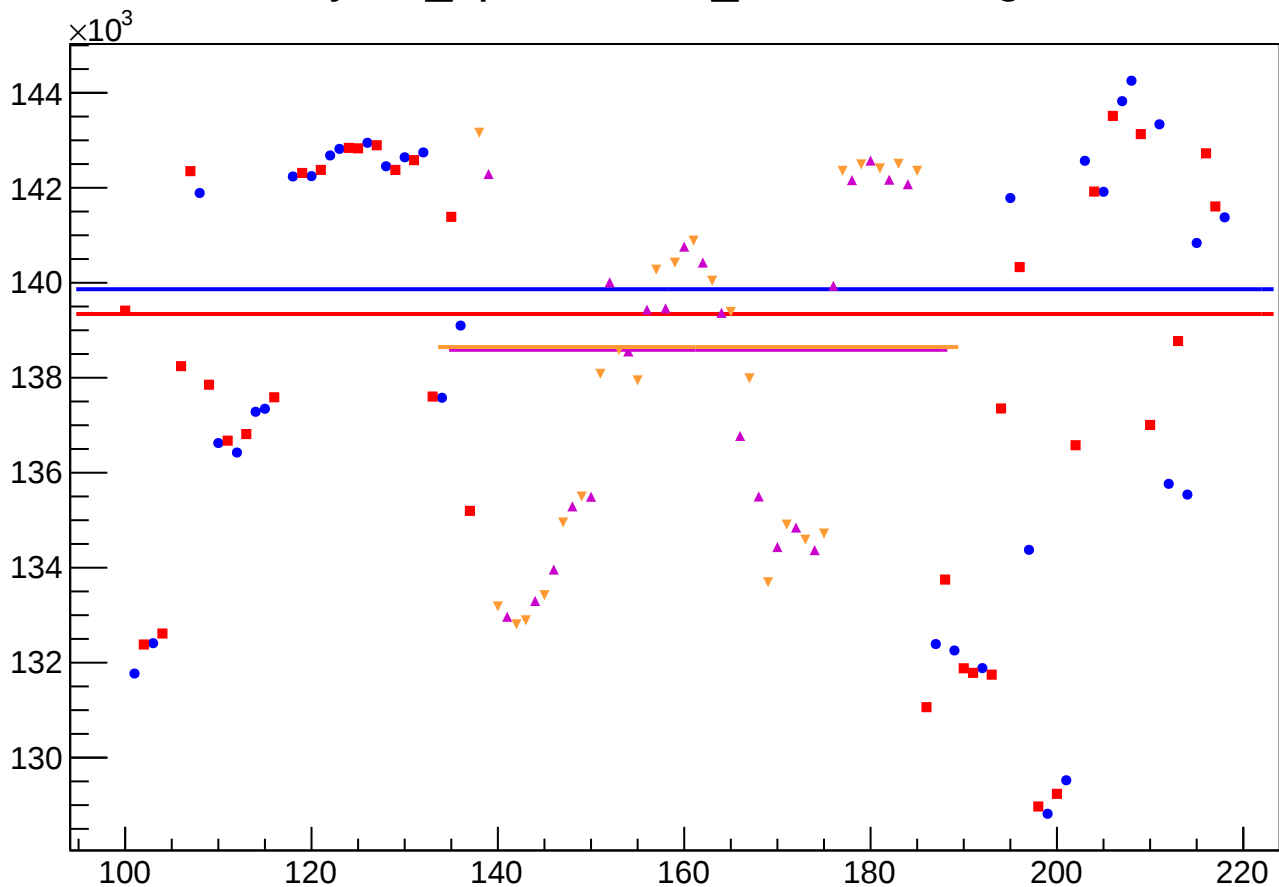
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 216.772 $\pm$ 0.027 χ^2 /NDF: 7326661.0/57

All: 213.692 $\pm$ 0.019 χ^2 /NDF: 14808891.1/11

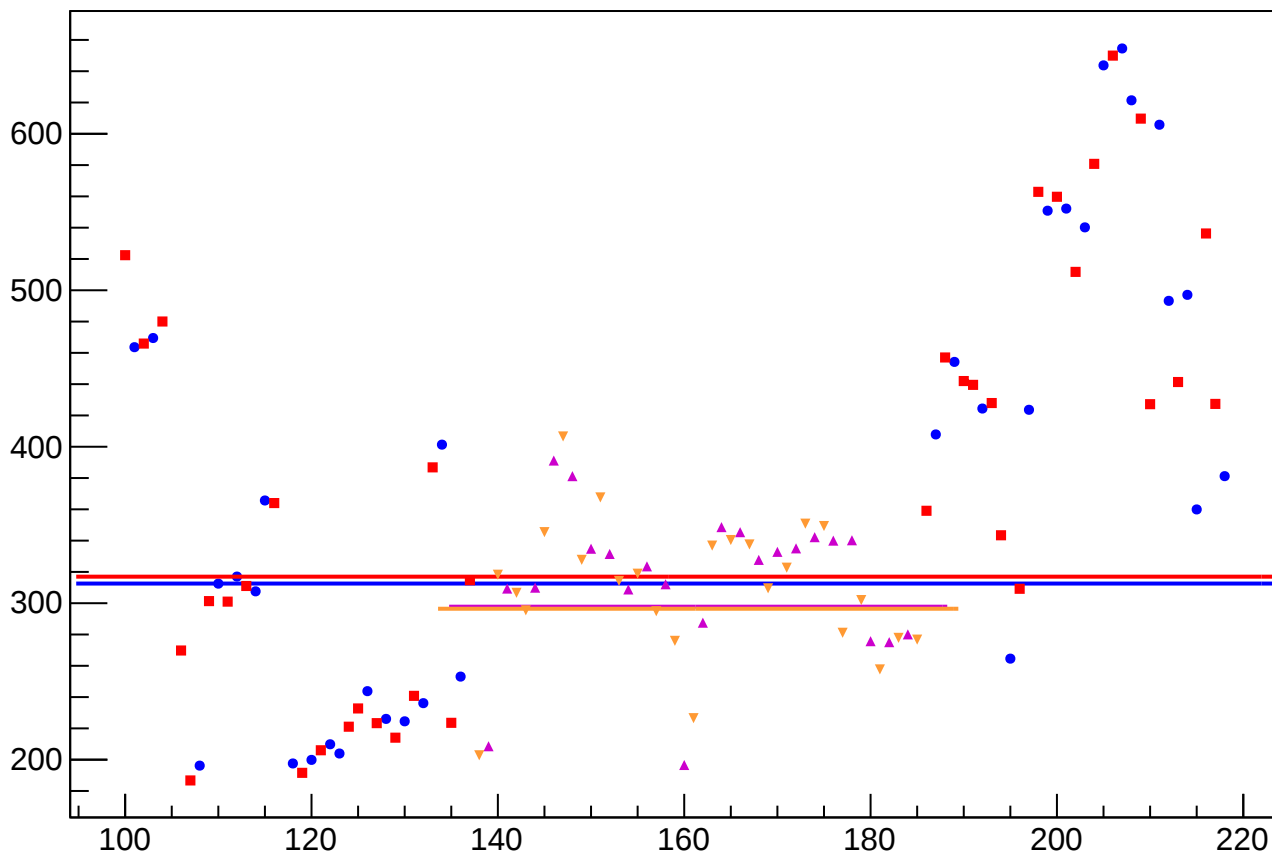
- sign 210.719 $\pm$ 0.026 χ^2 /NDF: 7456604.9/58

yield_bpm0r03WS_mean vs Slug



Right In: 139864.078 $\pm$ 0.080	χ^2 /NDF: 2404750059.7/32	+ sign 139178.453 $\pm$ 0.053	χ^2 /NDF: 5082463103.9
Left Out: 138646.366 $\pm$ 0.071	χ^2 /NDF: 2548637600.4/24	All: 139059.144 $\pm$ 0.038	χ^2 /NDF: 957351548
Right Out: 139342.787 $\pm$ 0.080	χ^2 /NDF: 2484547817.1/35	- sign 138935.398 $\pm$ 0.054	χ^2 /NDF: 4480792349.8/
Left In: 138588.711 $\pm$ 0.074	χ^2 /NDF: 1948065195.1/22		

yield_bpm0r03WS_rms vs Slug



Right In: 312.562 ± 0.057 $\chi^2/\text{NDF}: 5016930.2/32$

Left Out: 296.464 ± 0.050 $\chi^2/\text{NDF}: 893579.7/24$

Right Out: 316.965 ± 0.056 $\chi^2/\text{NDF}: 4714762.1/35$

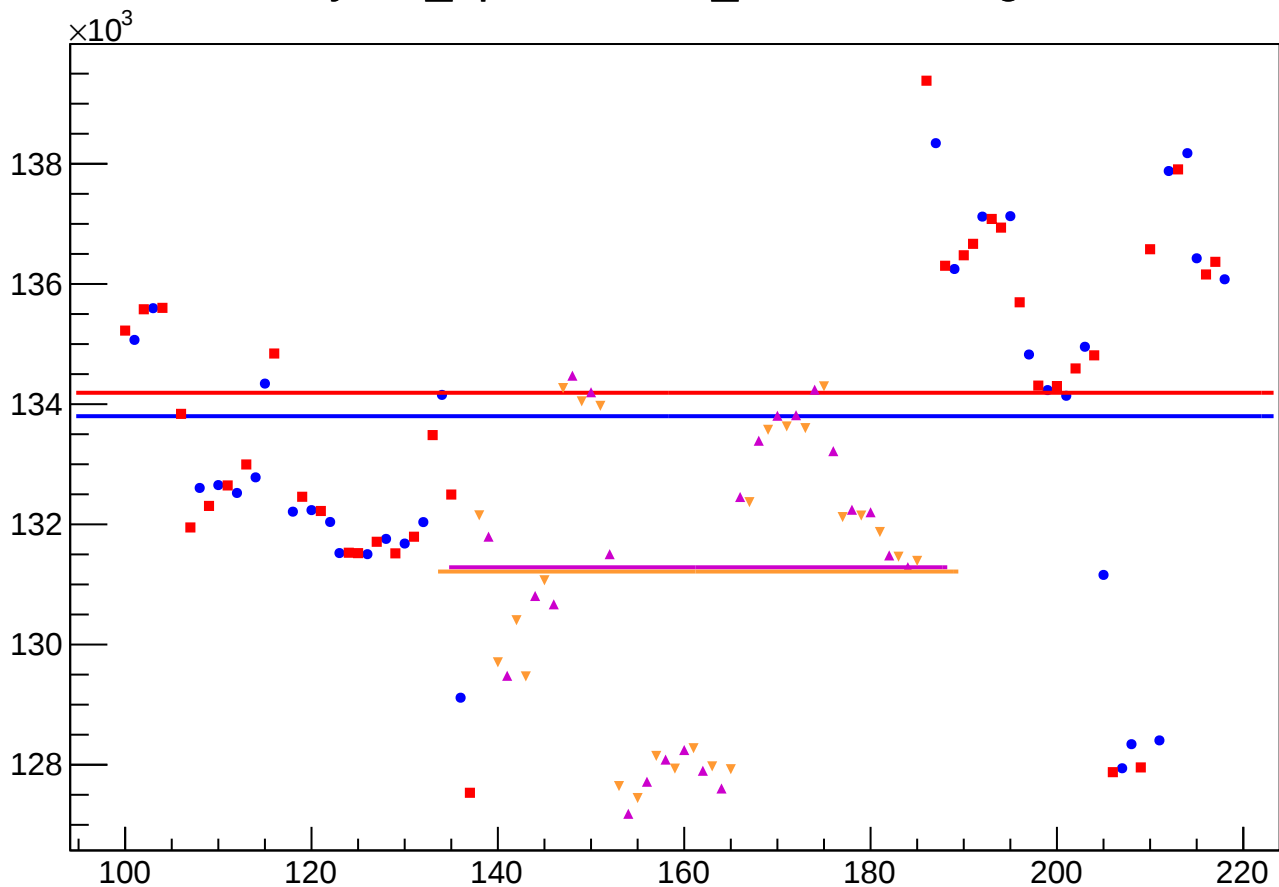
Left In: 297.774 ± 0.052 $\chi^2/\text{NDF}: 1061489.5/22$

+ sign 303.499 ± 0.038 $\chi^2/\text{NDF}: 5955624.4/57$

All: 305.020 ± 0.027 $\chi^2/\text{NDF}: 11797622.7/117$

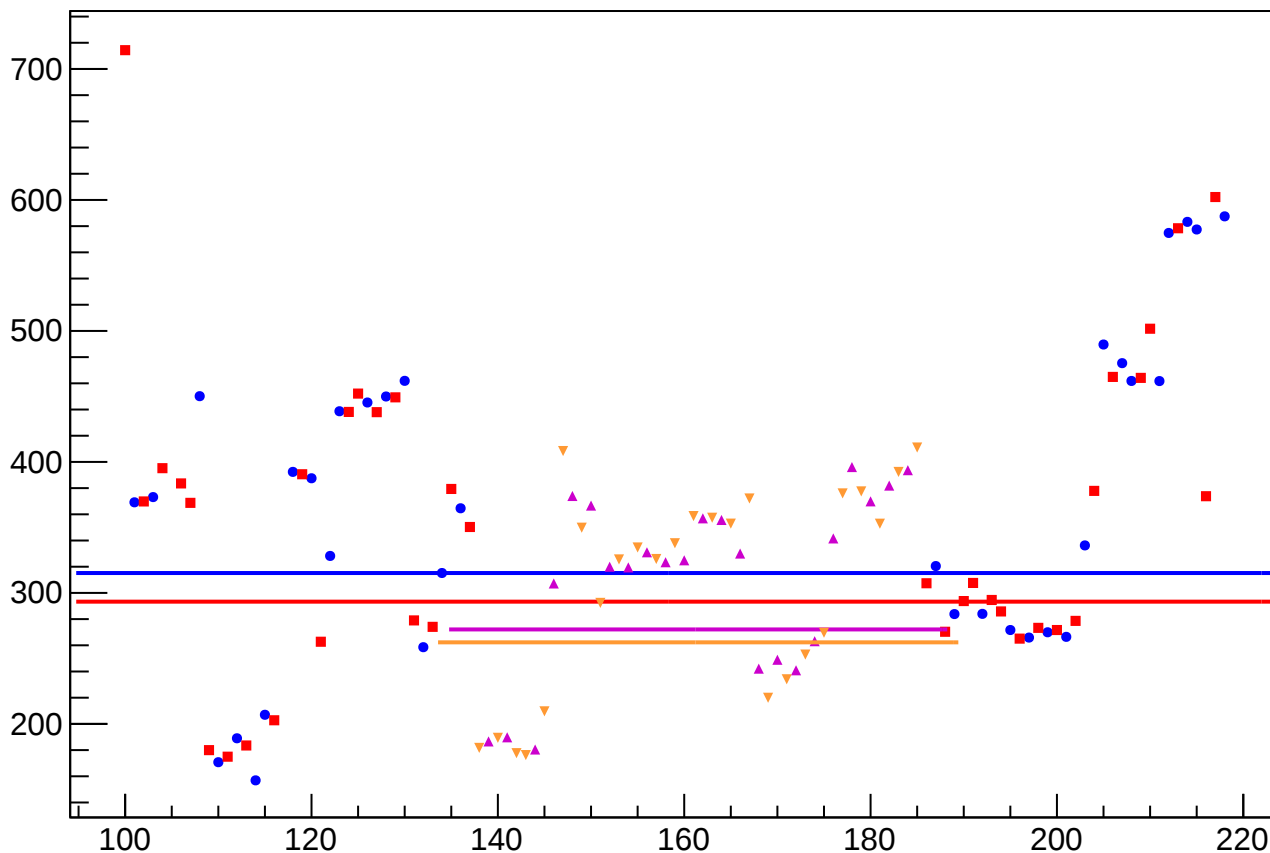
- sign 306.598 ± 0.038 $\chi^2/\text{NDF}: 5838662.5/58$

yield_bpm0r05WS_mean vs Slug



Right In: 133800.088 $\pm$ 0.079	χ^2 /NDF: 1046183829.4/32	+ sign 132248.882 $\pm$ 0.050	χ^2 /NDF: 2865735542.9
Left Out: 131214.985 $\pm$ 0.064	χ^2 /NDF: 1173424494.6/24	All: 132453.405 $\pm$ 0.035	χ^2 /NDF: 586121305
Right Out: 134189.806 $\pm$ 0.072	χ^2 /NDF: 1053050259.1/35	- sign 132656.545 $\pm$ 0.050	χ^2 /NDF: 2961887112.4/
Left In: 131285.623 $\pm$ 0.068	χ^2 /NDF: 1056232192.1/22		

yield_bpm0r05WS_rms vs Slug



Right In: 315.181+/-0.056 χ^2/NDF : 3773320.7/32

Left Out: 262.260+/-0.045 χ^2/NDF : 2818169.1/24

Right Out: 293.326+/-0.051 χ^2/NDF : 3431593.0/35

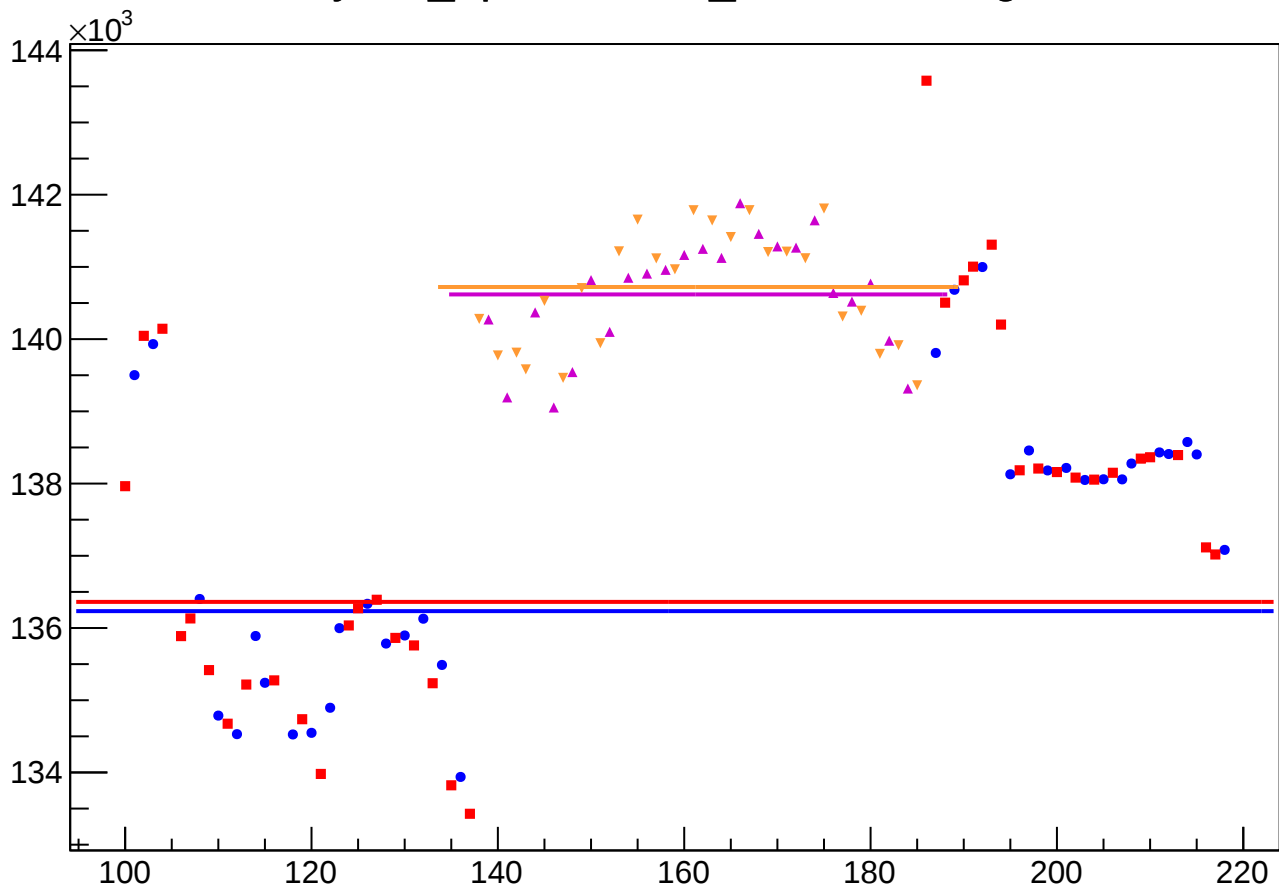
Left In: 272.115+/-0.048 χ^2/NDF : 2221925.0/22

+ sign 283.425+/-0.035 χ^2/NDF : 7133056.3/57

All: 282.774+/-0.025 χ^2/NDF : 12878221.8/11

- sign 282.128+/-0.035 χ^2/NDF : 5744485.1/58

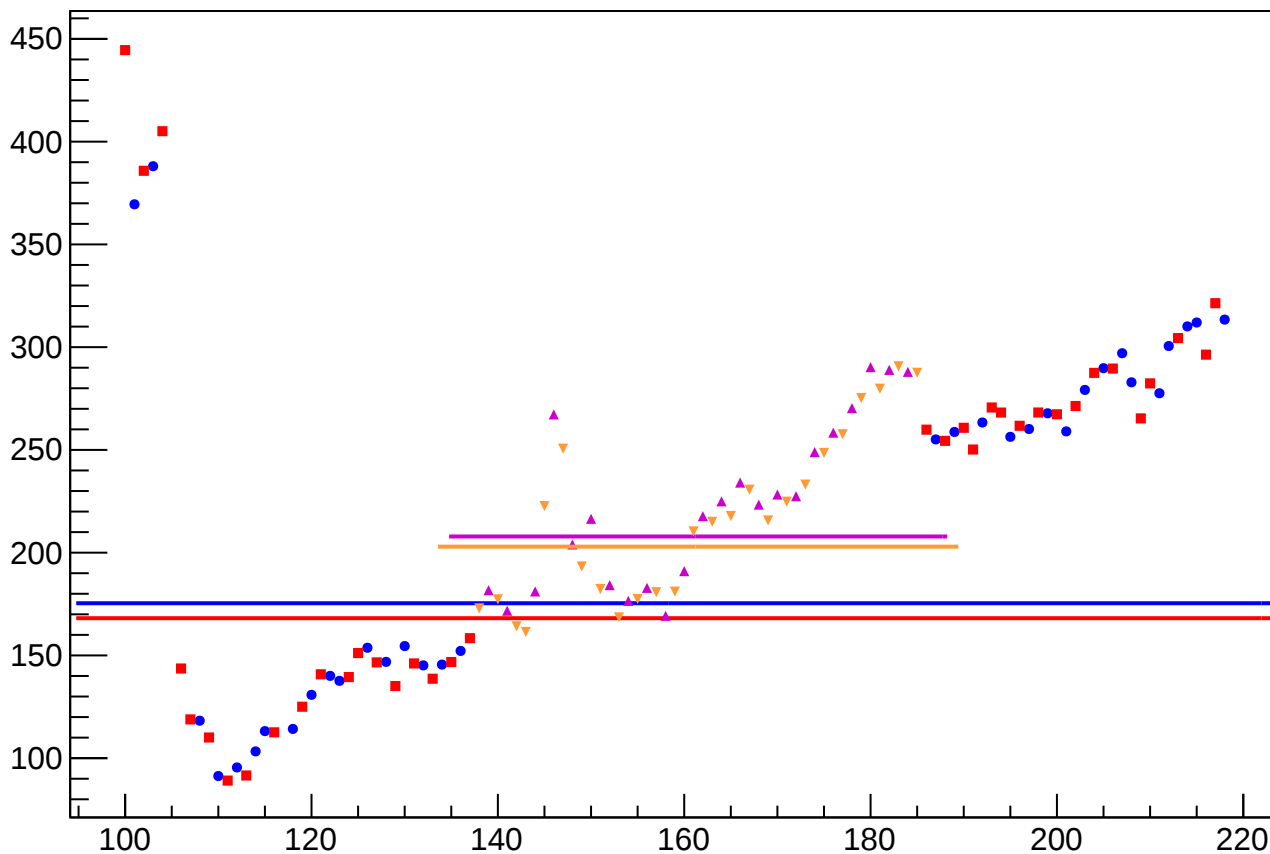
yield_bpm0i02WS_mean vs Slug



Right In: 136233.811 ± 0.045 $\chi^2/\text{NDF}: 1671054208.5/32$
 Left Out: 140721.823 ± 0.048 $\chi^2/\text{NDF}: 247257762.8/24$
 Right Out: 136361.797 ± 0.043 $\chi^2/\text{NDF}: 2218696306.6/35$
 Left In: 140619.038 ± 0.051 $\chi^2/\text{NDF}: 200370178.0/22$

+ sign 138336.509 ± 0.033 $\chi^2/\text{NDF}: 6486997195.9/32$
 All: 138237.817 ± 0.023 $\chi^2/\text{NDF}: 129680708.0/32$
 - sign 138139.832 ± 0.033 $\chi^2/\text{NDF}: 6463392651.0/32$

yield_bpm0i02WS_rms vs Slug



Right In: 175.397 $\pm$ 0.032 χ^2 /NDF: 5984097.7/32

Left Out: 202.934 $\pm$ 0.034 χ^2 /NDF:1052283.6/24

Right Out: 168.112 $\pm$ 0.031 χ^2 /NDF: 6379048.8/35

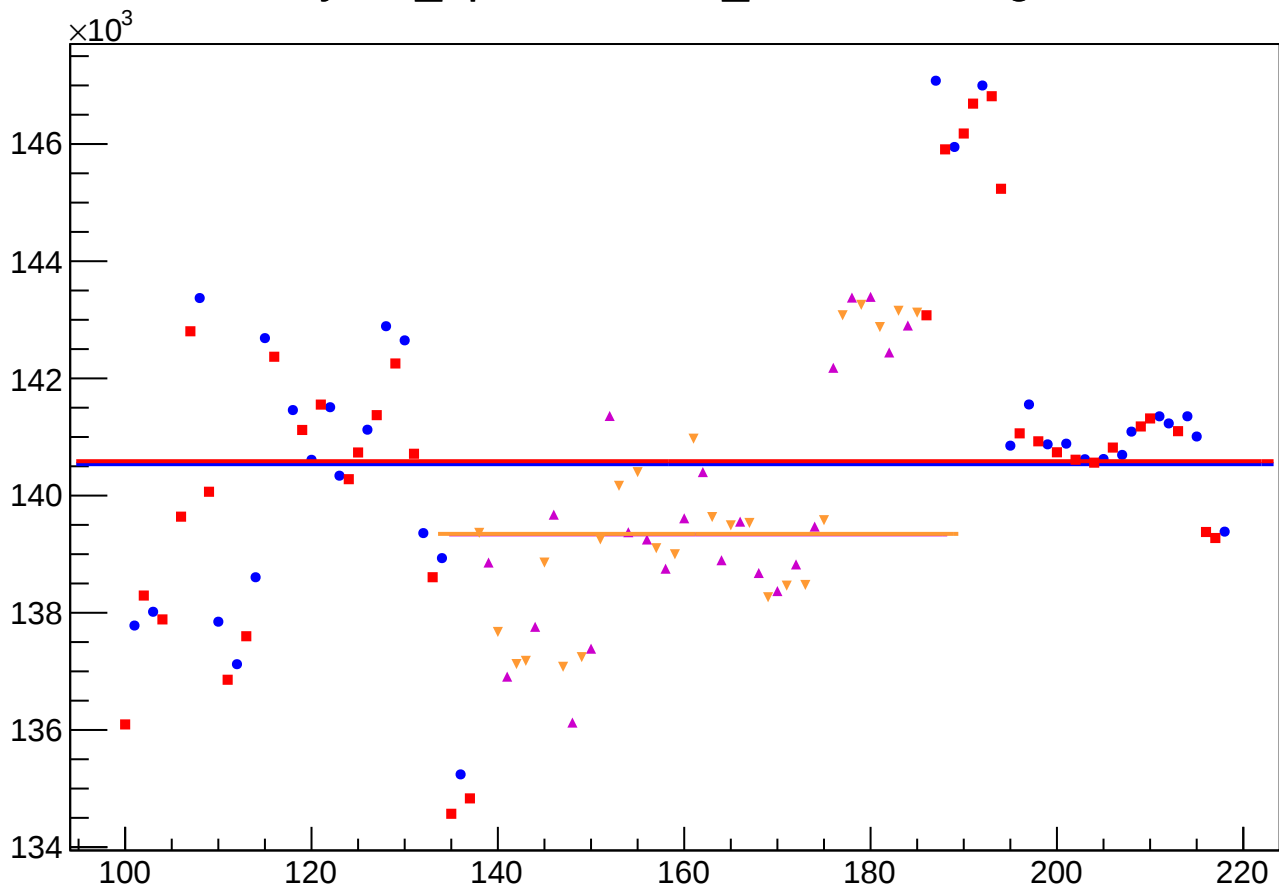
Left In: 207.872 $\pm$ 0.036 χ^2 /NDF:949200.3/22

+ sign 188.298 $\pm$ 0.023 χ^2 /NDF: 7380374.2/57

All: 186.502 $\pm$ 0.017 χ^2 /NDF: 15425860.2/1

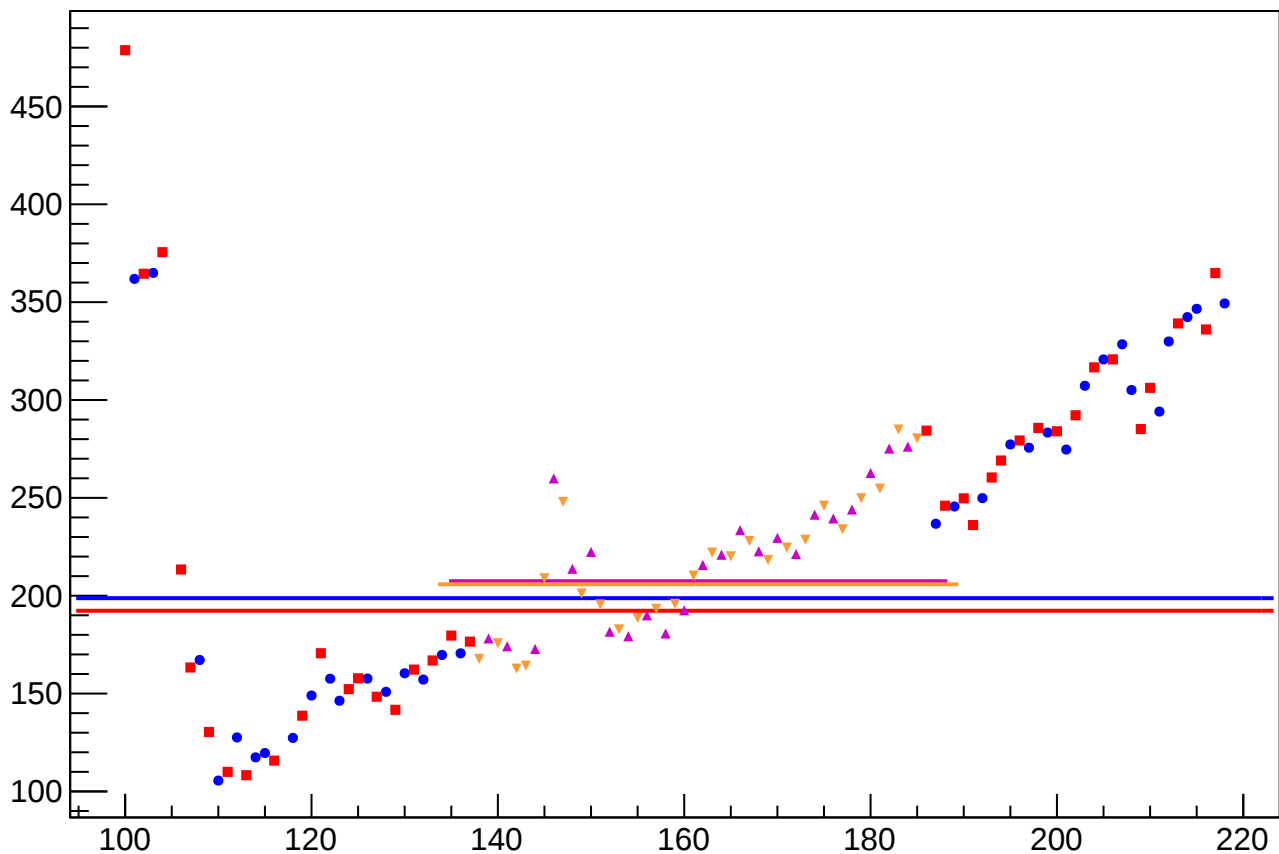
- sign 184.718 $\pm$ 0.023 χ^2 /NDF: 8033764.9/58

yield_bpm0i02aWS_mean vs Slug



Right In: 140535.992 $\pm$ 0.051 χ^2 /NDF: 2797334035.5/32
 Left Out: 139346.604 $\pm$ 0.049 χ^2 /NDF: 1271172976.7/24
 Right Out: 140586.863 $\pm$ 0.049 χ^2 /NDF: 3239063834.2/35
 Left In: 139337.874 $\pm$ 0.051 χ^2 /NDF: 1293003954.9/22
 + sign 139921.373 $\pm$ 0.035 χ^2 /NDF: 4353636959.0
 All: 139956.308 $\pm$ 0.025 χ^2 /NDF: 920332598
 - sign 139991.073 $\pm$ 0.035 χ^2 /NDF: 4847723668.2

yield_bpm0i02aWS_rms vs Slug



Right In: 198.740 $\pm$ 0.036 χ^2 /NDF: 4912161.5/32

Left Out: 205.833 $\pm$ 0.035 χ^2 /NDF: 738666.4/24

Right Out: 192.315 $\pm$ 0.034 χ^2 /NDF: 5192142.5/35

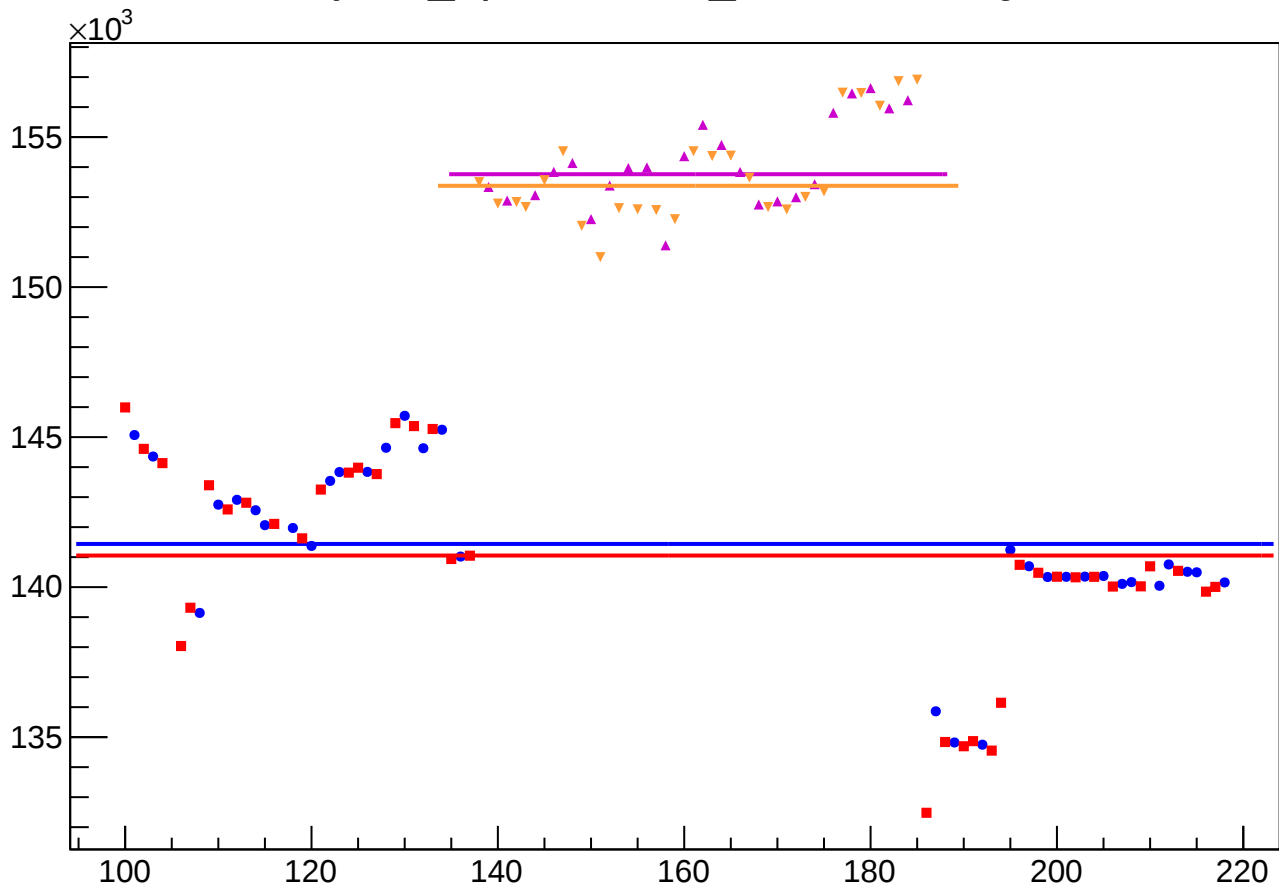
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 202.405 $\pm$ 0.025 χ^2 /NDF: 5671105.9/57

All: 200.958 $\pm$ 0.018 χ^2 /NDF: 11664236.9/1

- sign 199.518 $\pm$ 0.025 χ^2 /NDF: 5986388.0/58

yield_bpm0i05WS_mean vs Slug



Right In: 141439.052 $\pm$ 0.051 χ^2 /NDF: 2761552469.1/32

Left Out: 153376.698 $\pm$ 0.050 χ^2 /NDF: 803848095.1/24

Right Out: 141053.374 $\pm$ 0.048 χ^2 /NDF: 4464409113.2/35

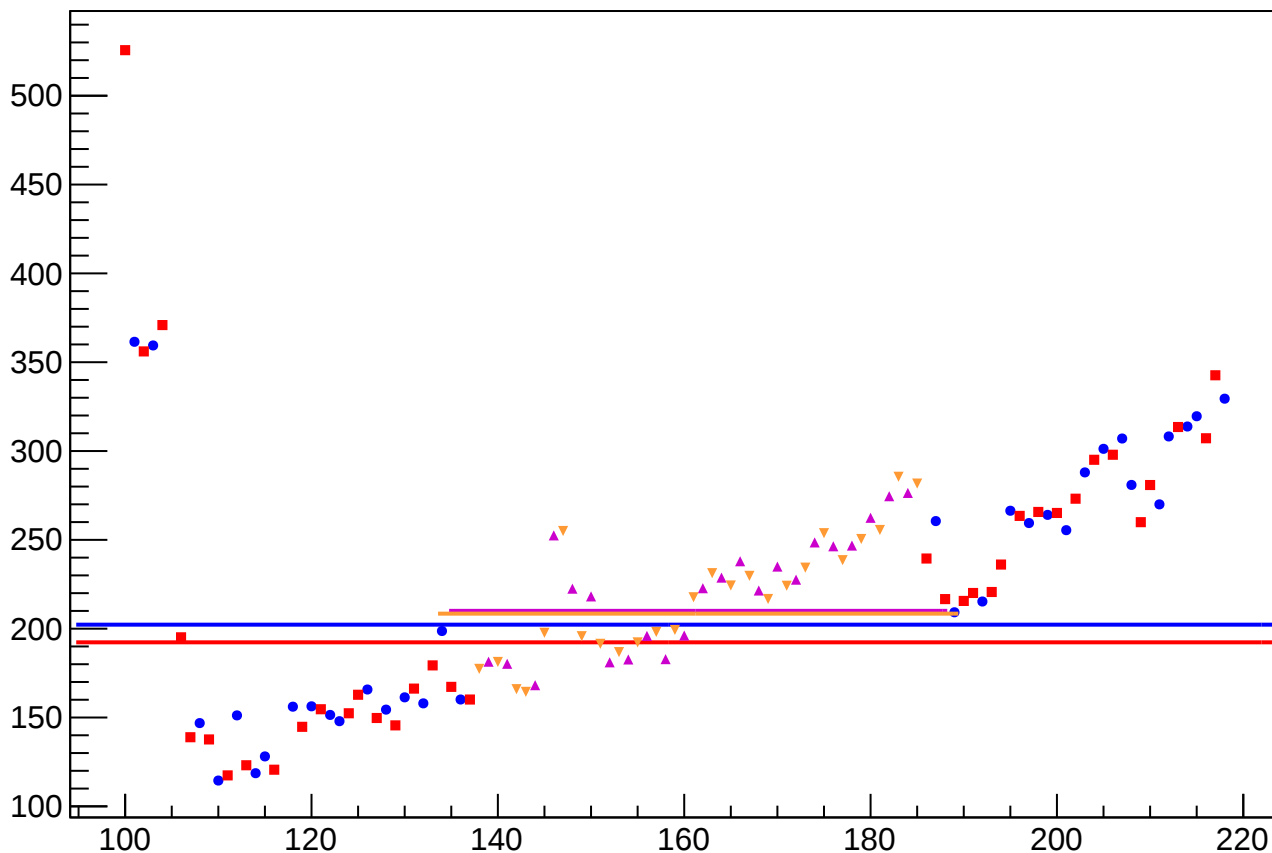
Left In: 153762.419 $\pm$ 0.051 χ^2 /NDF: 635075685.0/22

+ sign 147526.608 $\pm$ 0.035 χ^2 /NDF: 32025937095.

All: 147217.159 $\pm$ 0.025 χ^2 /NDF: 701550984

- sign 146915.259 $\pm$ 0.035 χ^2 /NDF: 37977973300.2

yield_bpm0i05WS_rms vs Slug



Right In: 202.266 $\pm$ 0.036 χ^2 /NDF: 3635296.5/32

Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24

Right Out: 192.322 $\pm$ 0.034 χ^2 /NDF: 3879174.4/35

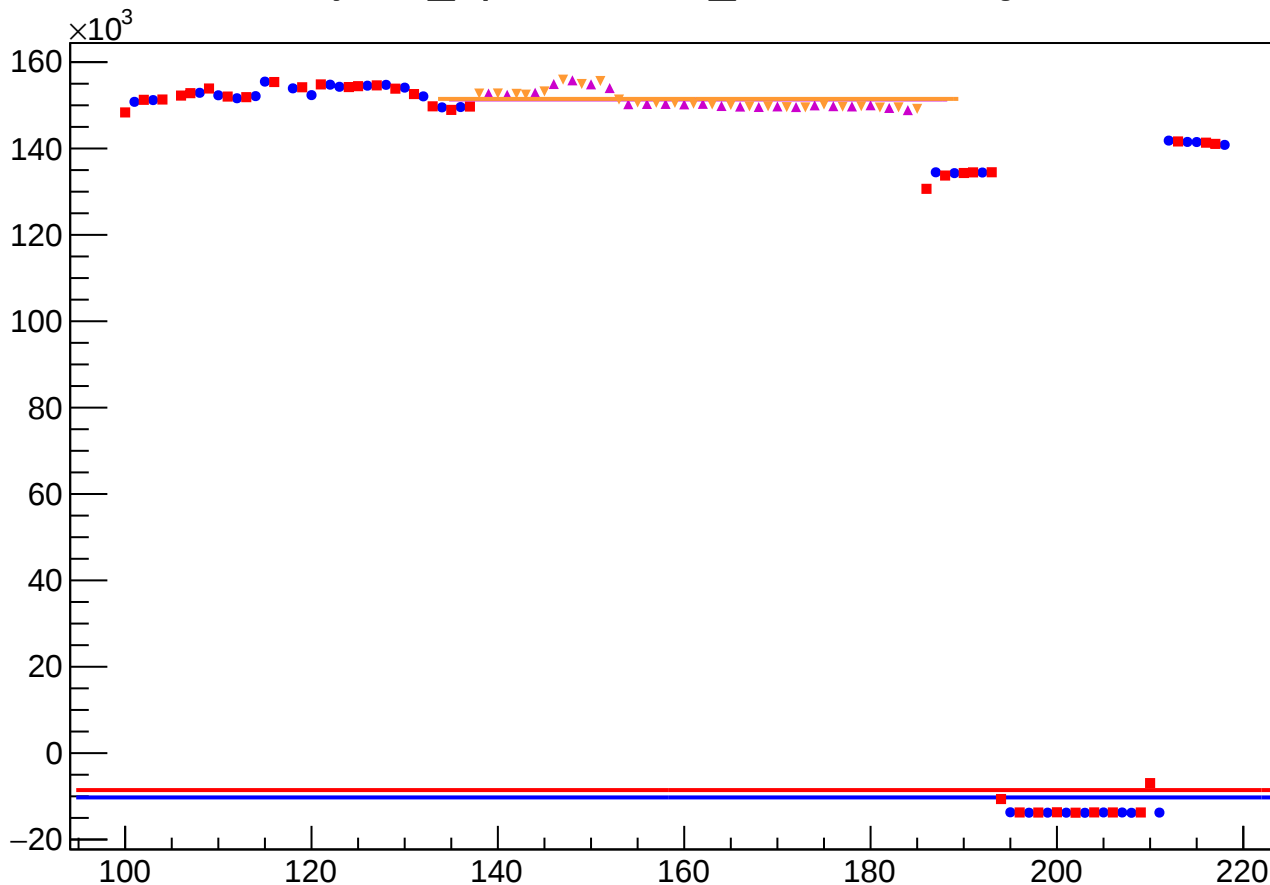
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 205.427 $\pm$ 0.025 χ^2 /NDF: 4371545.6/57

All: 202.930 $\pm$ 0.018 χ^2 /NDF: 9100566.9/116

- sign 200.493 $\pm$ 0.025 χ^2 /NDF: 4709321.9/58

yield_bpm0i07WS_mean vs Slug



Right In: -10253.992 ± 0.009

χ^2/NDF : 6598032552485.0/32

Left Out: 151483.385 ± 0.050

χ^2/NDF : 1481910066.9/24

Right Out: -8554.479 ± 0.010

χ^2/NDF : 7659254285256.1/35

Left In: 151363.165 ± 0.051

χ^2/NDF : 1421662089.0/22

+ sign -4843.728 ± 0.009

χ^2/NDF : 1690908915915

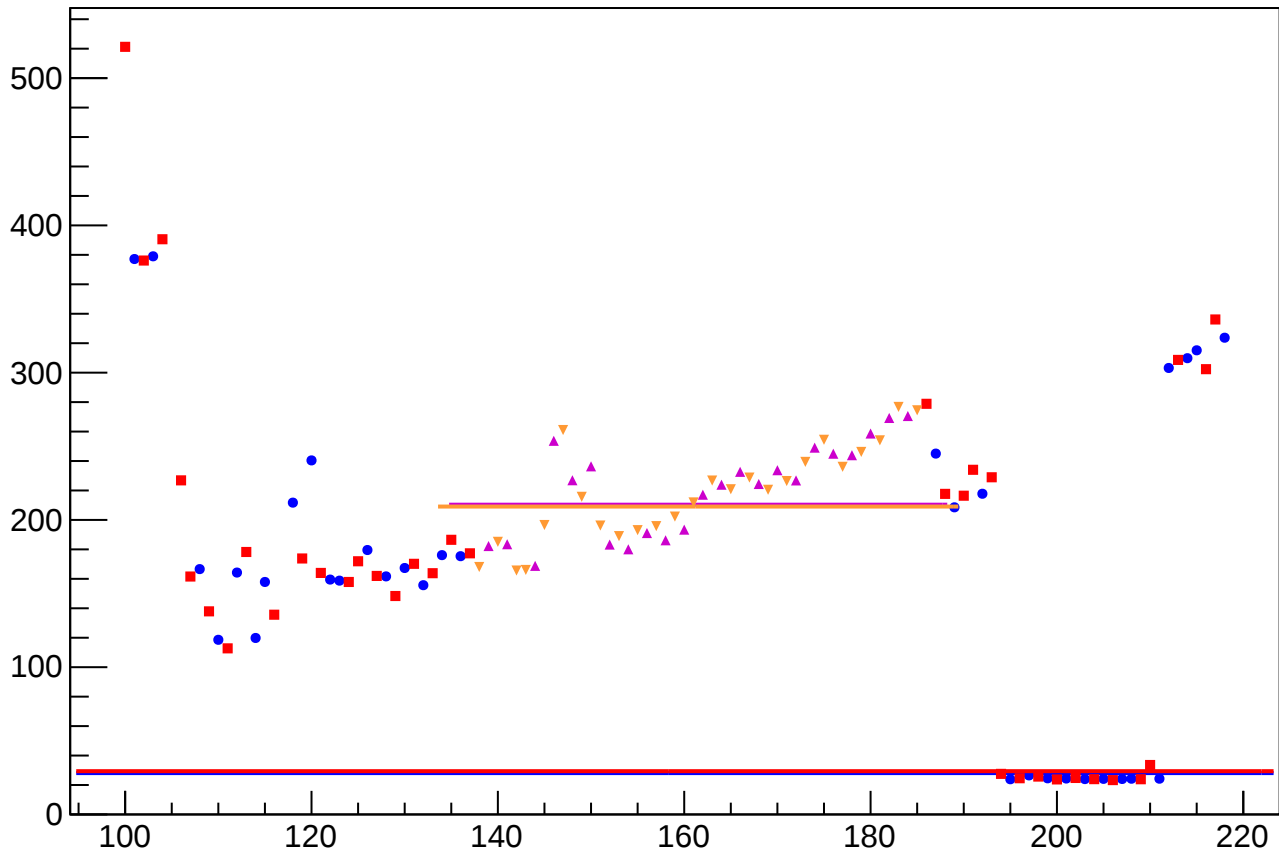
All: -3849.015 ± 0.007

χ^2/NDF : 3391937128

- sign -2670.265 ± 0.010

χ^2/NDF : 16983928651432

yield_bpm0i07WS_rms vs Slug



Right In: 28.087 ± 0.007 $\chi^2/\text{NDF}: 16518480.4/32$

Left Out: 209.076 ± 0.035 $\chi^2/\text{NDF}: 708260.3/24$

Right Out: 29.392 ± 0.007 $\chi^2/\text{NDF}: 17134771.9/35$

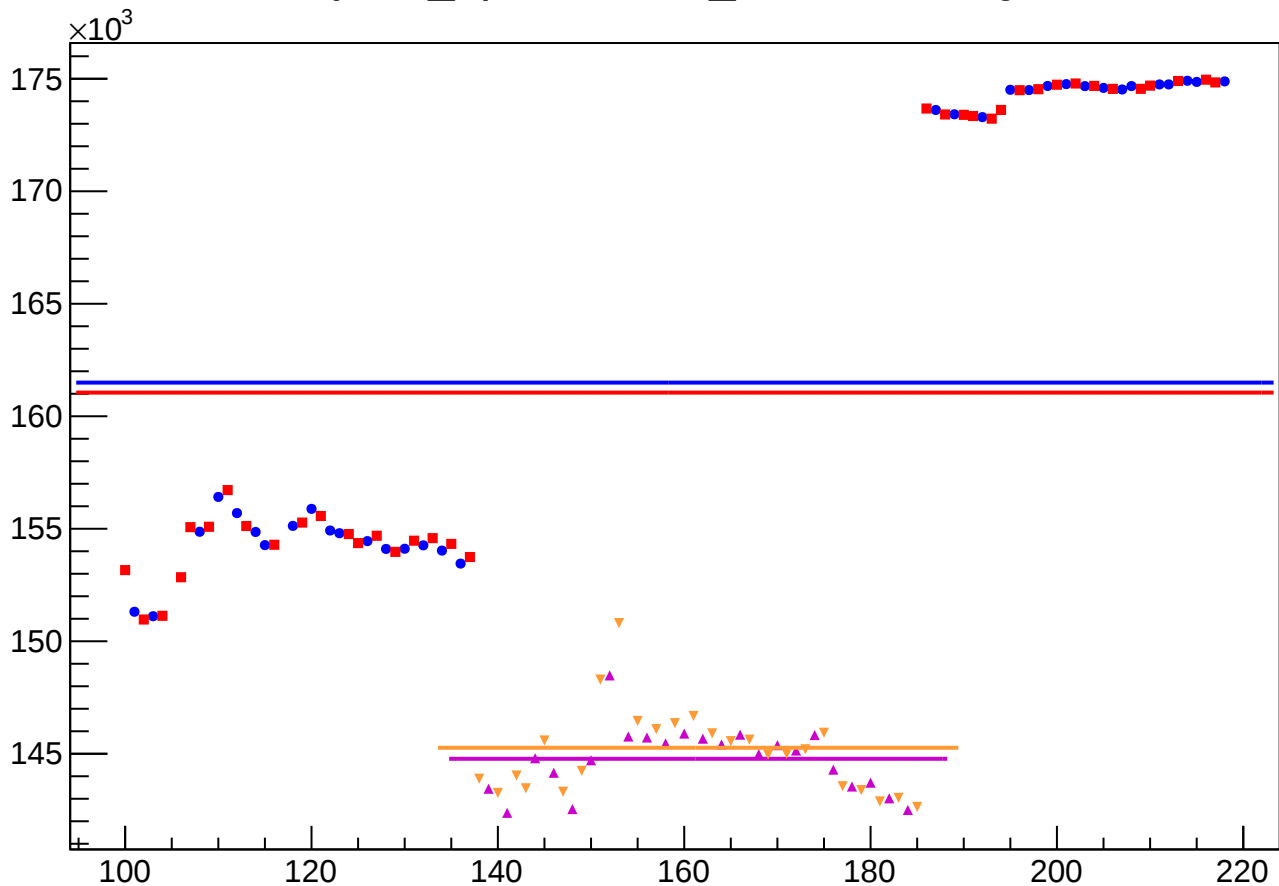
Left In: 210.345 ± 0.036 $\chi^2/\text{NDF}: 677747.7/22$

+ sign 34.141 ± 0.006 $\chi^2/\text{NDF}: 43046732.9/57$

All: 35.015 ± 0.005 $\chi^2/\text{NDF}: 84774569.2/116$

- sign 36.050 ± 0.007 $\chi^2/\text{NDF}: 41687174.0/58$

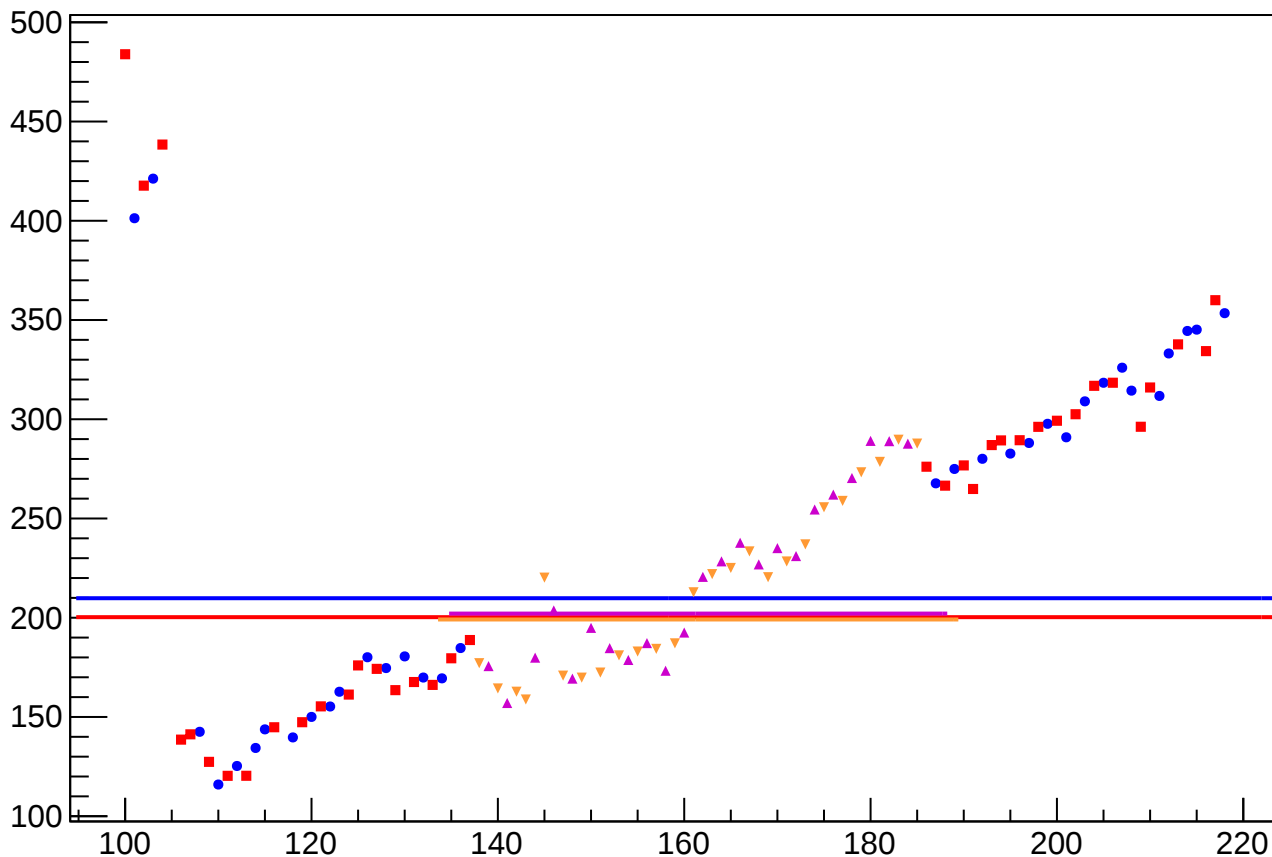
yield_bpm1i02WS_mean vs Slug



Right In: 161496.414 ± 0.053 $\chi^2/\text{NDF}: 31108042127.1/32$
 Left Out: 145266.717 ± 0.047 $\chi^2/\text{NDF}: 1717707352.7/24$
 Right Out: 161052.360 ± 0.050 $\chi^2/\text{NDF}: 32973797742.7/35$
 Left In: 144776.016 ± 0.050 $\chi^2/\text{NDF}: 918120275.4/22$

+ sign 152455.485 ± 0.035 $\chi^2/\text{NDF}: 84768357624.7/24$
 All: 152633.573 ± 0.025 $\chi^2/\text{NDF}: 171953643.7/35$
 - sign 152810.589 ± 0.035 $\chi^2/\text{NDF}: 87134744076.8/24$

yield_bpm1i02WS_rms vs Slug



Right In: 209.830 $\pm$ 0.038 χ^2 /NDF: 4743928.0/32

Left Out: 199.118 $\pm$ 0.034 χ^2 /NDF: 1152231.0/24

Right Out: 200.283 $\pm$ 0.035 χ^2 /NDF: 5080796.6/35

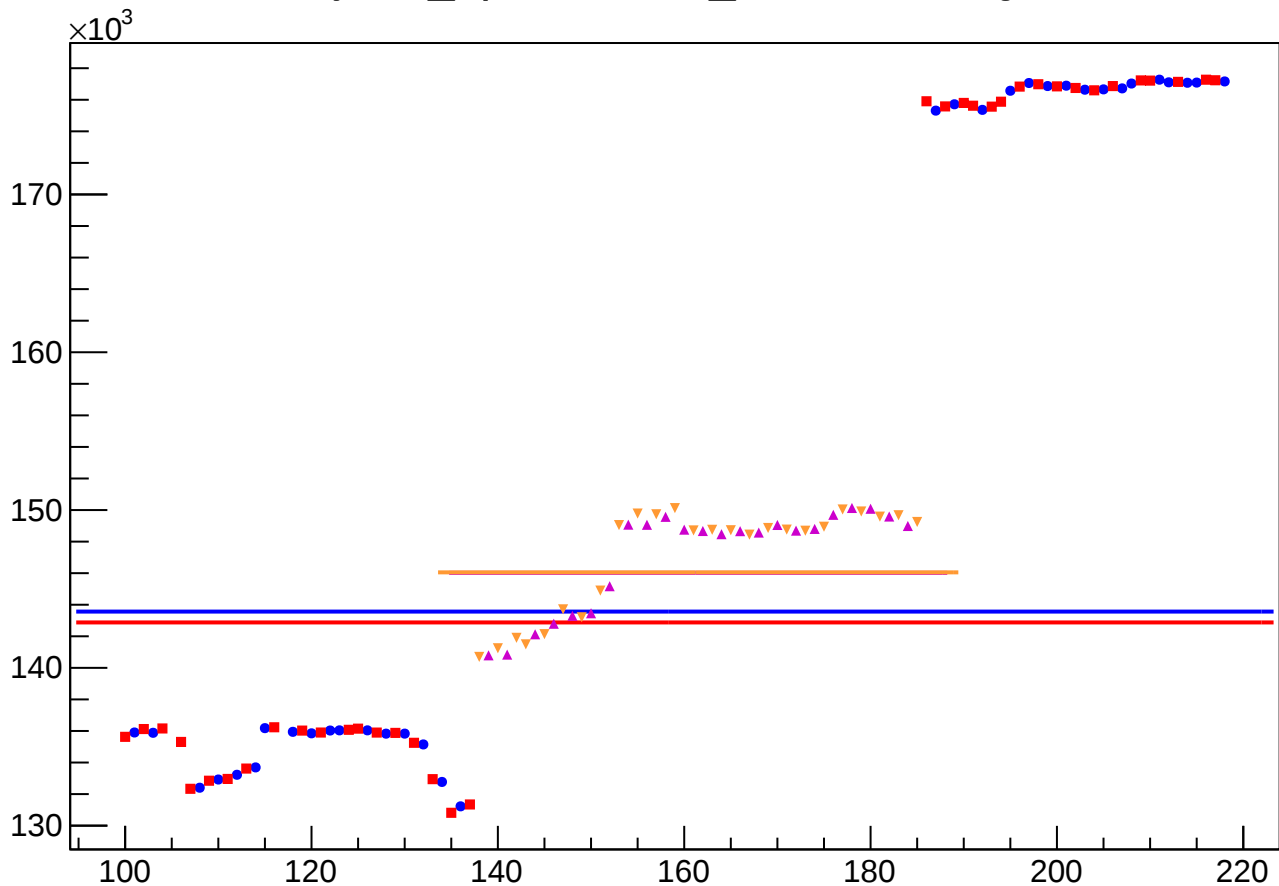
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF: 1057833.2/22

+ sign 203.863 $\pm$ 0.025 χ^2 /NDF: 5941415.9/57

All: 202.526 $\pm$ 0.018 χ^2 /NDF: 12087051.9/11

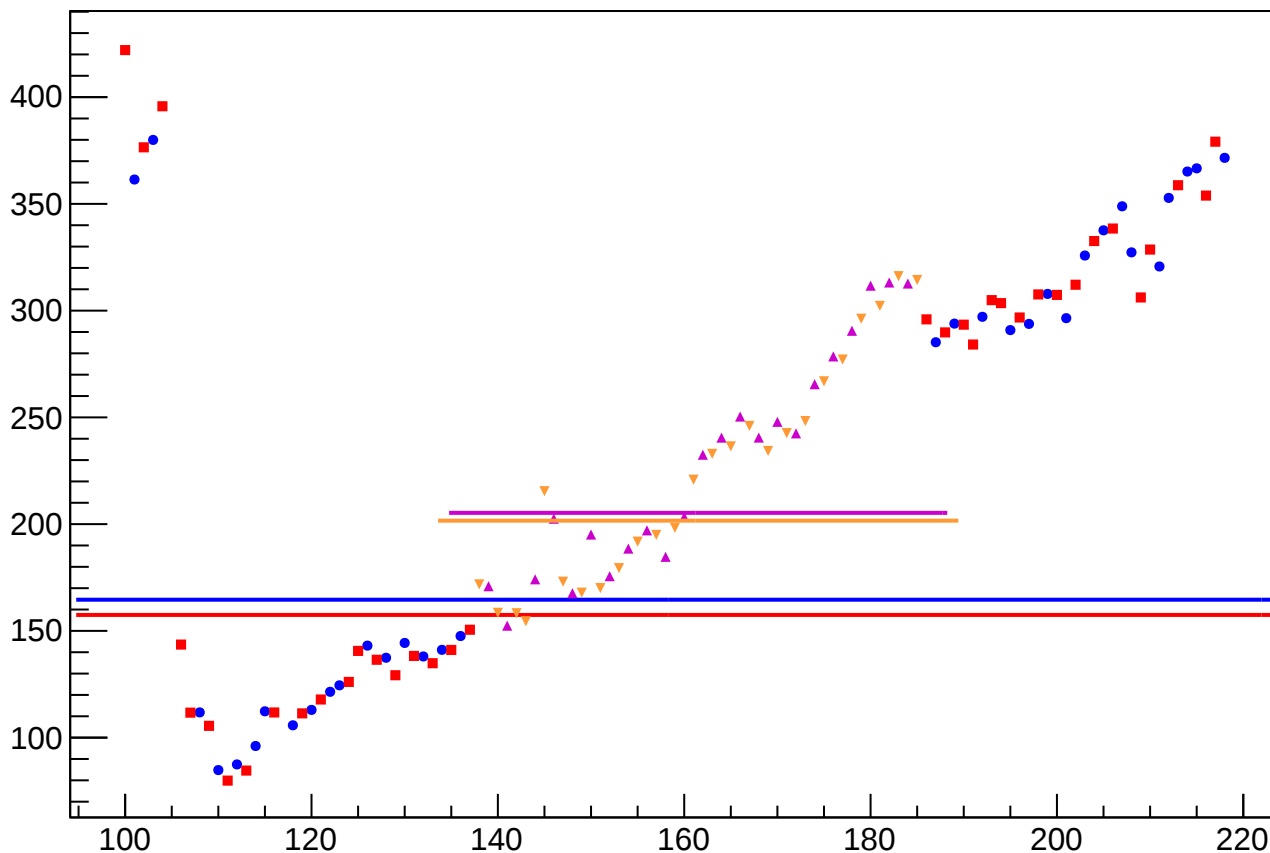
- sign 201.198 $\pm$ 0.025 χ^2 /NDF: 6139943.2/58

yield_bpm1i04WS_mean vs Slug



Right In: 143566.107 ± 0.045 χ^2/NDF : 155855096136.0/32
 Left Out: 146051.733 ± 0.048 χ^2/NDF : 5403300123.1/24
 Right Out: 142877.836 ± 0.042 χ^2/NDF : 165623828629.3/35
 Left In: 146020.015 ± 0.051 χ^2/NDF : 4591425371.4/22

yield_bpm1i04WS_rms vs Slug



Right In: 164.602 $\pm$ 0.031 χ^2 /NDF: 8556934.5/32

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 157.466 $\pm$ 0.030 χ^2 /NDF: 8956932.7/35

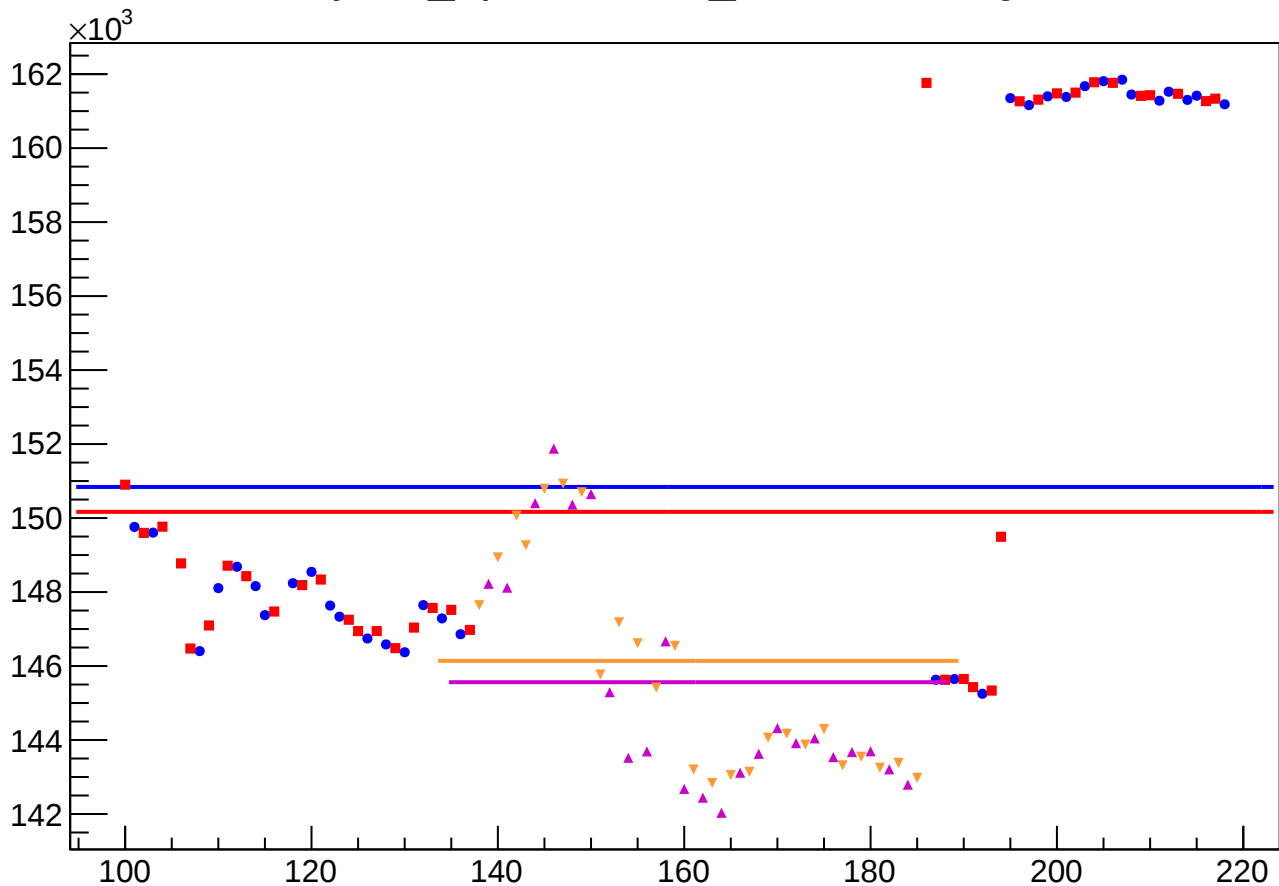
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 181.621 $\pm$ 0.023 χ^2 /NDF: 10781649.7/57

All: 179.333 $\pm$ 0.016 χ^2 /NDF: 22234390.8/1

- sign 177.087 $\pm$ 0.023 χ^2 /NDF: 11433395.2/58

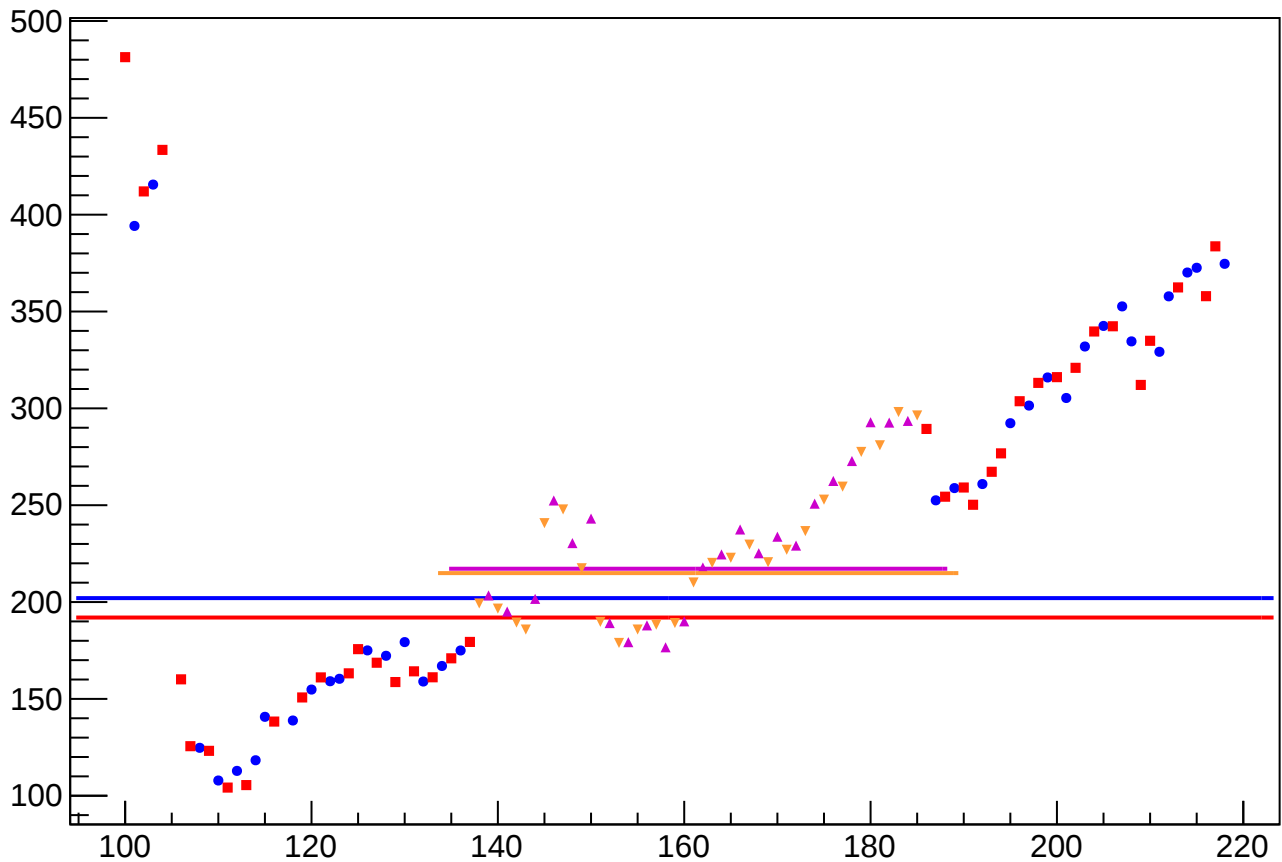
yield_bpm1i06WS_mean vs Slug



Right In: 150840.952 ± 0.052 $\chi^2/\text{NDF}: 13559800639.4/32$
 Left Out: 146139.326 ± 0.051 $\chi^2/\text{NDF}: 2699546907.6/24$
 Right Out: 150167.541 ± 0.049 $\chi^2/\text{NDF}: 12661542567.2/35$
 Left In: 145562.386 ± 0.053 $\chi^2/\text{NDF}: 3054641996.0/22$

+ sign 148432.300 ± 0.036 $\chi^2/\text{NDF}: 20419585526.6/22$
 All: 148236.828 ± 0.026 $\chi^2/\text{NDF}: 402536230.0/22$
 - sign 148045.780 ± 0.036 $\chi^2/\text{NDF}: 19777126471.9/22$

yield_bpm1i06WS_rms vs Slug



Right In: 202.034+/-0.037 χ^2/NDF : 5880408.3/32

Left Out: 214.945+/-0.036 χ^2/NDF : 728515.5/24

Right Out: 192.007+/-0.035 χ^2/NDF : 6176016.3/35

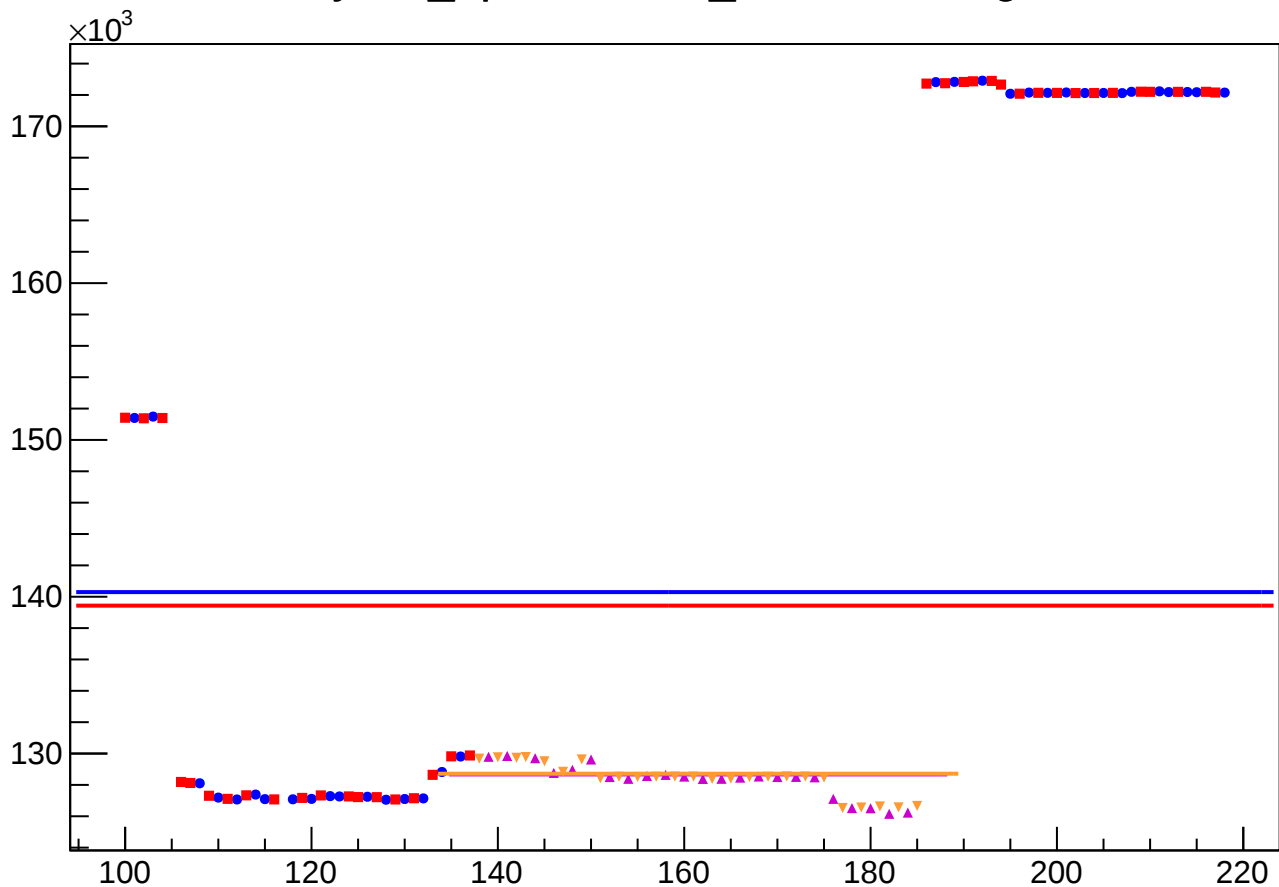
Left In: 217.203+/-0.038 χ^2/NDF : 764798.3/22

+ sign 208.648+/-0.026 χ^2/NDF : 6671665.7/57

All: 206.103+/-0.018 χ^2/NDF : 13874904.6/13

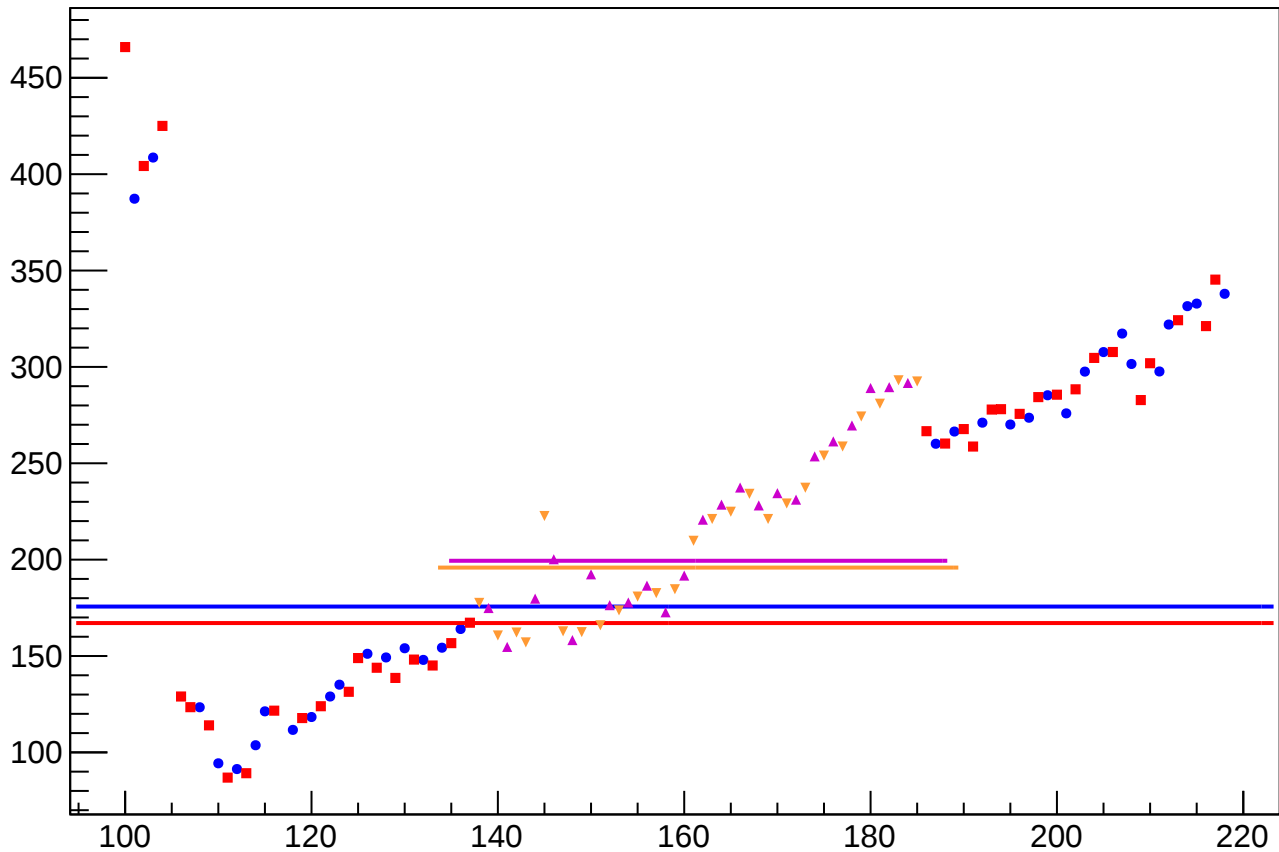
- sign 203.616+/-0.025 χ^2/NDF : 7183943.9/58

yield_bpm2i01WS_mean vs Slug



Right In: 140295.818 $\pm$ 0.046 χ^2 /NDF: 189339301874.5/32
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 139432.559 $\pm$ 0.043 χ^2 /NDF: 205046846445.1/35
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22

yield_bpm2i01WS_rms vs Slug



Right In: 175.661 $\pm$ 0.033 χ^2 /NDF: 6793331.2/32

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 167.099 $\pm$ 0.031 χ^2 /NDF: 7187711.0/35

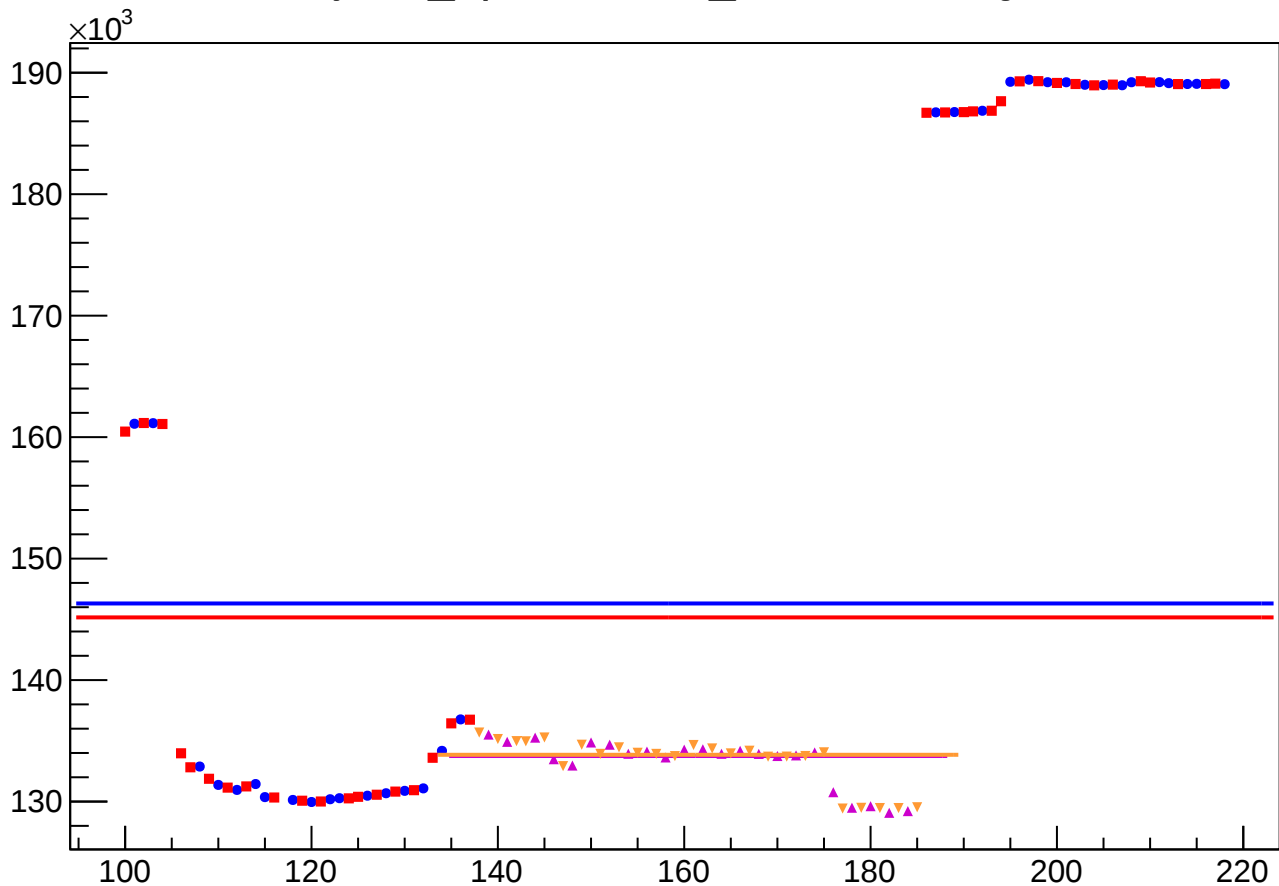
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 185.637 $\pm$ 0.023 χ^2 /NDF: 8296702.1/57

All: 183.448 $\pm$ 0.016 χ^2 /NDF: 17155457.2/1

- sign 181.301 $\pm$ 0.023 χ^2 /NDF: 8841104.8/58

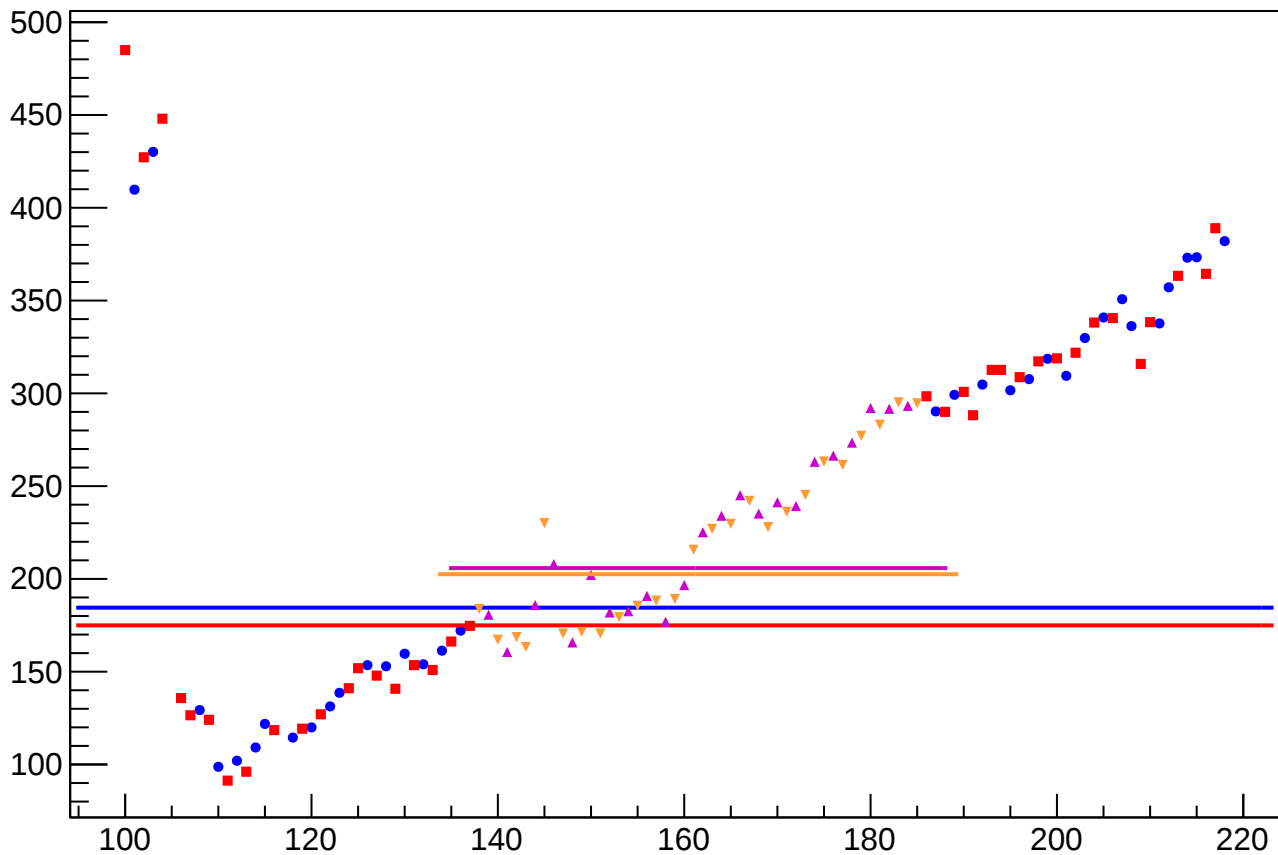
yield_bpm2i02WS_mean vs Slug



Right In: 146307.769 $\pm$ 0.049 χ^2 /NDF: 258292341575.5/32
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 145160.213 $\pm$ 0.046 χ^2 /NDF: 273978214245.6/35
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22

+ sign 139979.447 $\pm$ 0.034 χ^2 /NDF: 292206896618
 All: 139982.362 $\pm$ 0.024 χ^2 /NDF: 595023310
 - sign 139985.218 $\pm$ 0.034 χ^2 /NDF: 302816399534

yield_bpm2i02WS_rms vs Slug



Right In: 184.499 $\pm$ 0.035 χ^2 /NDF: 7505222.5/32

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF:1211991.5/24

Right Out: 174.956 $\pm$ 0.033 χ^2 /NDF: 7952768.8/35

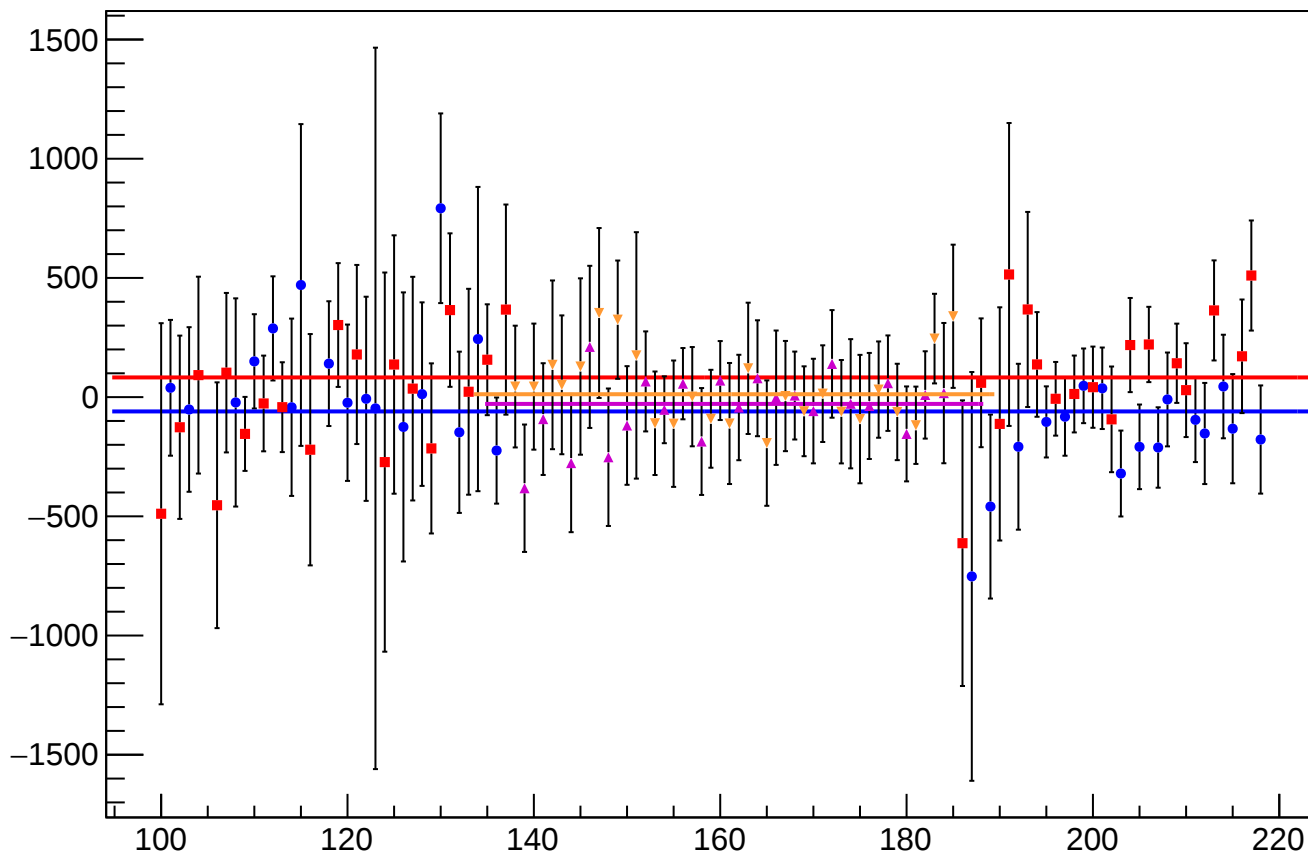
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 193.657 $\pm$ 0.024 χ^2 /NDF: 8854759.5/57

All: 191.279 $\pm$ 0.017 χ^2 /NDF: 18328530.4/1

- sign 188.948 $\pm$ 0.024 χ^2 /NDF: 9454803.1/58

asym_bcm_an_ds_mean vs Slug



Right In: -59.995 ± 41.874 $\chi^2/\text{NDF}: 17.8/32$

Left Out: 12.180 ± 47.531 $\chi^2/\text{NDF}: 8.6/24$

Right Out: 82.620 ± 41.685 $\chi^2/\text{NDF}: 18.9/35$

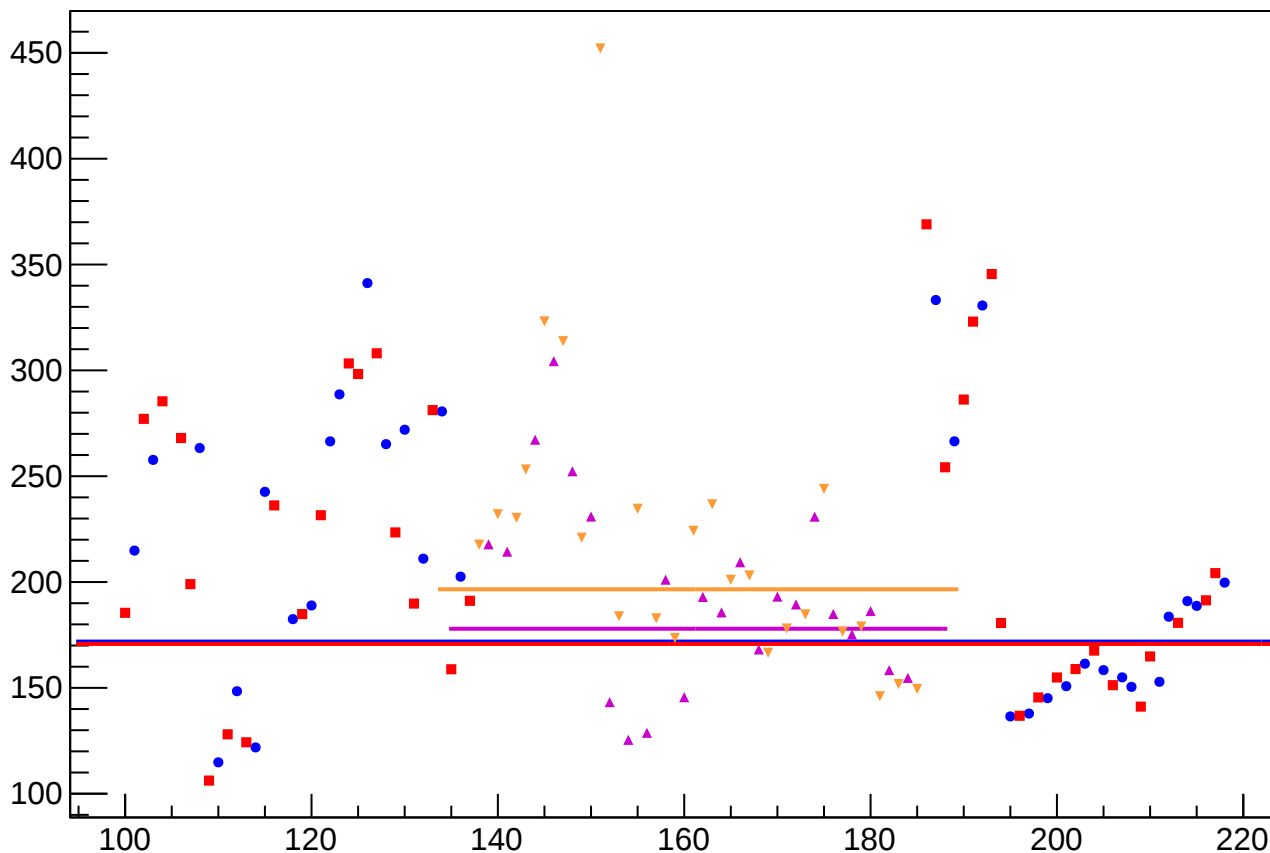
Left In: -28.452 ± 44.688 $\chi^2/\text{NDF}: 6.7/22$

+ sign -28.456 ± 31.420 $\chi^2/\text{NDF}: 27.7/57$

All: 2.142 ± 21.878 $\chi^2/\text{NDF}: 58.4/116$

- sign 30.941 ± 30.482 $\chi^2/\text{NDF}: 28.8/58$

asym_bcm_an_ds_rms vs Slug



Right In: 171.867 ± 0.030 χ^2/NDF : 2212579.4/32

Left Out: 196.576 ± 0.034 χ^2/NDF : 1778719.0/24

Right Out: 170.755 ± 0.029 χ^2/NDF : 2906470.9/35

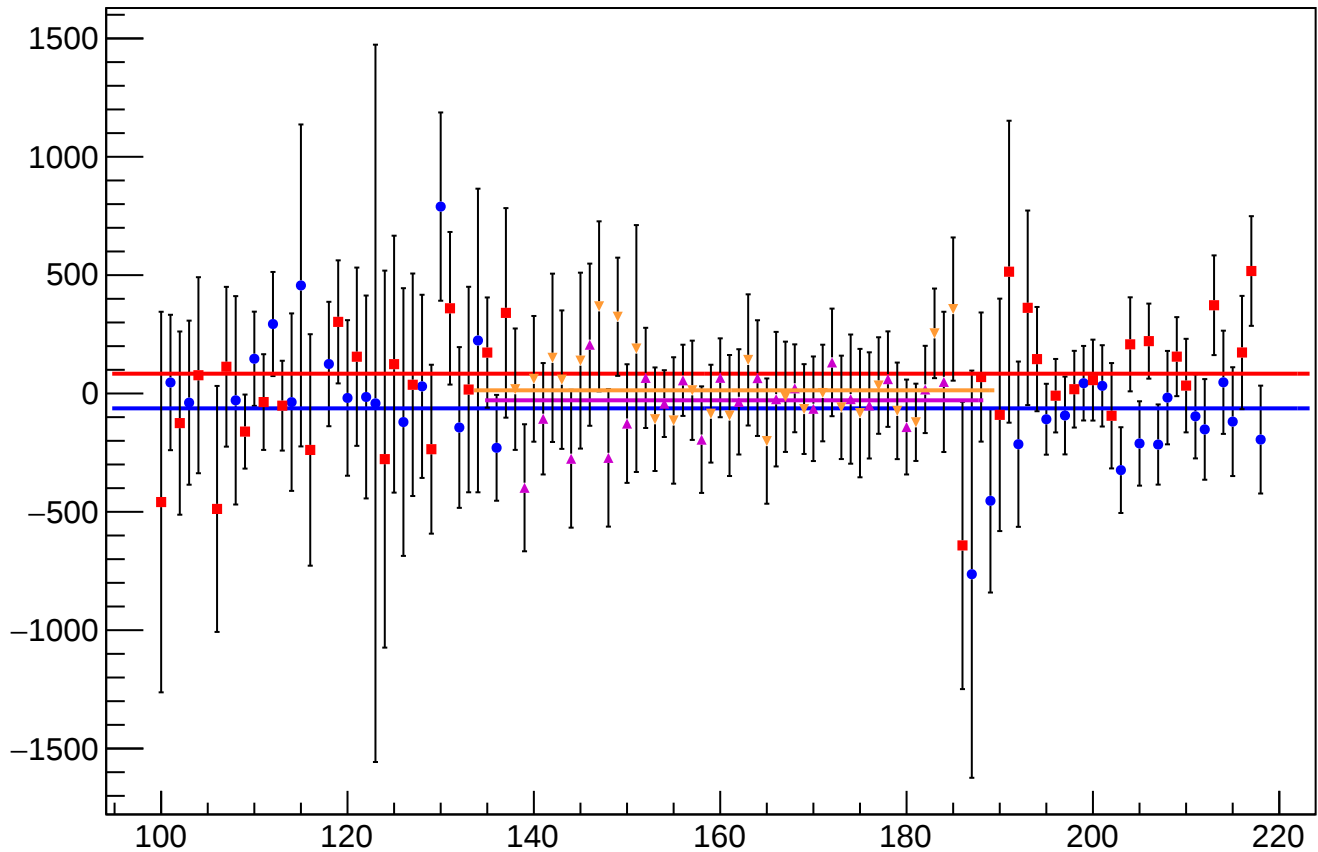
Left In: 177.933 ± 0.032 χ^2/NDF : 1605780.8/22

+ sign 182.664 ± 0.022 χ^2/NDF : 4295607.8/57

All: 178.250 ± 0.015 χ^2/NDF : 8912100.7/116

- sign 174.095 ± 0.022 χ^2/NDF : 4539844.9/58

asym_bcm_an_ds3_mean vs Slug



Right In: -62.813 ± 42.062 χ^2/NDF : 17.7/32

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 83.644 ± 41.885 χ^2/NDF : 19.4/35

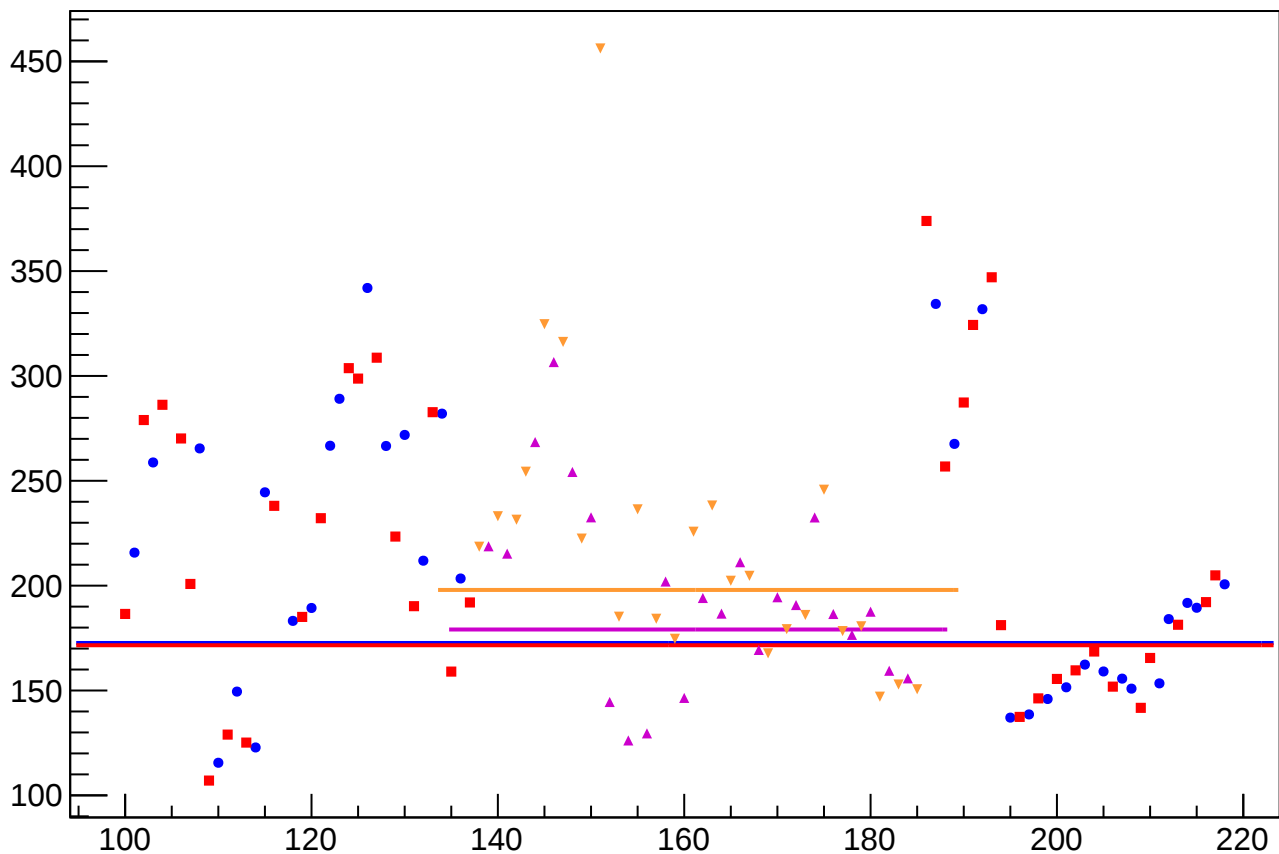
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign -29.604 ± 31.595 χ^2/NDF : 28.1/57

All: 1.832 ± 22.000 χ^2/NDF : 59.6/116

- sign 31.421 ± 30.653 χ^2/NDF : 29.6/58

asym_bcm_an_ds3_rms vs Slug



Right In: 172.662 $\pm$ 0.030 χ^2 /NDF: 2203857.8/32

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 171.583 $\pm$ 0.030 χ^2 /NDF: 2901434.3/35

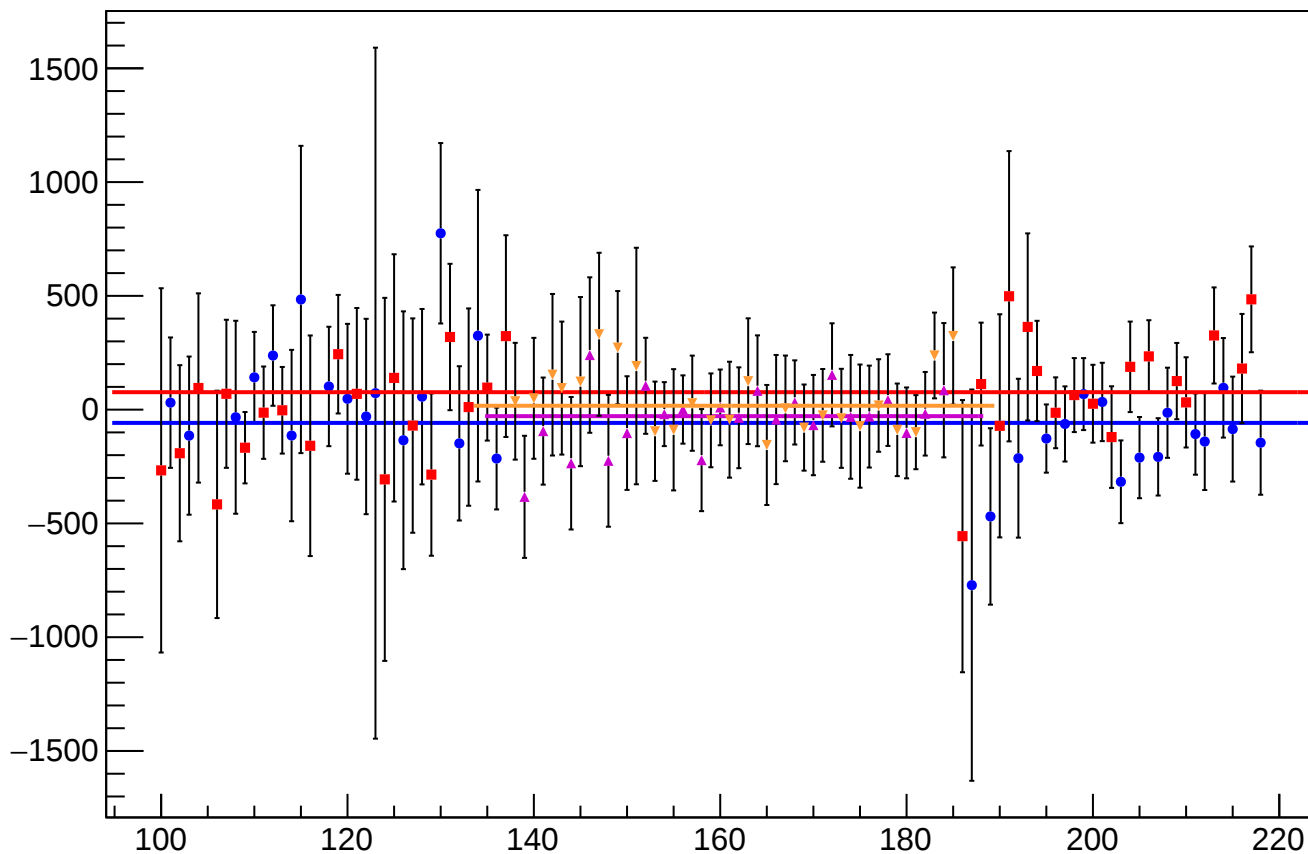
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 183.683 $\pm$ 0.022 χ^2 /NDF: 4293466.2/57

All: 179.246 $\pm$ 0.016 χ^2 /NDF: 8906428.7/116

- sign 175.069 $\pm$ 0.022 χ^2 /NDF: 4536384.9/58

asym_bcm_an_us_mean vs Slug



Right In: -58.222 ± 42.149 χ^2/NDF : 17.1/32

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 76.691 ± 41.922 χ^2/NDF : 17.0/35

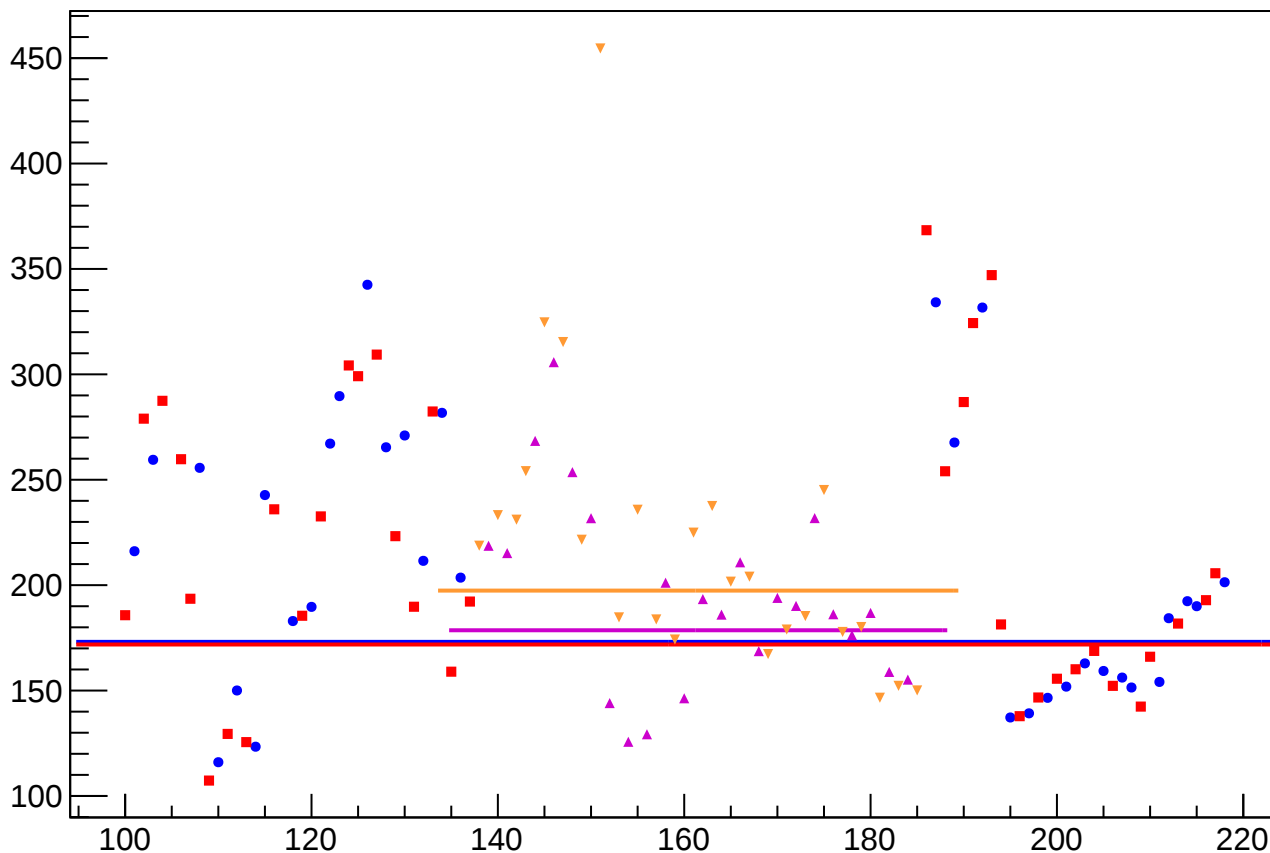
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign -25.208 ± 31.596 χ^2/NDF : 25.6/57

All: 2.005 ± 21.992 χ^2/NDF : 53.1/116

- sign 27.579 ± 30.629 χ^2/NDF : 26.1/58

asym_bcm_an_us_rms vs Slug



Right In: 173.098 $\pm$ 0.030 χ^2 /NDF: 2171976.5/32

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF:1780261.9/24

Right Out: 171.851 $\pm$ 0.030 χ^2 /NDF: 2855418.8/35

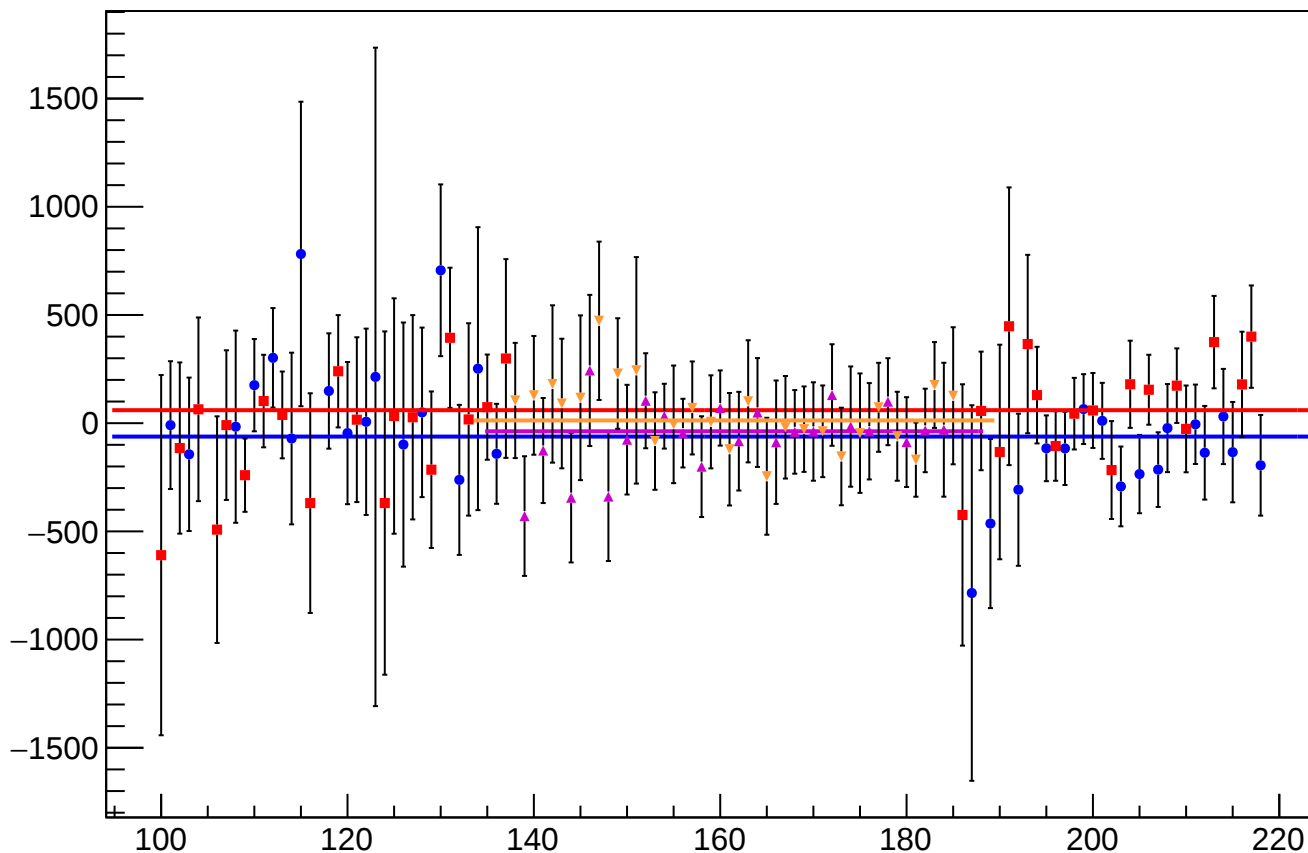
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF:1608998.1/22

+ sign 183.753 $\pm$ 0.022 χ^2 /NDF: 4244029.6/57

All: 179.239 $\pm$ 0.016 χ^2 /NDF: 8811794.6/116

- sign 174.998 $\pm$ 0.022 χ^2 /NDF: 4488594.2/58

asym_bcm_dg_us_mean vs Slug



Right In: -61.940 ± 43.036 $\chi^2/\text{NDF}: 17.9/32$

Left Out: 12.632 ± 49.242 $\chi^2/\text{NDF}: 7.5/24$

Right Out: 60.088 ± 43.000 $\chi^2/\text{NDF}: 18.8/35$

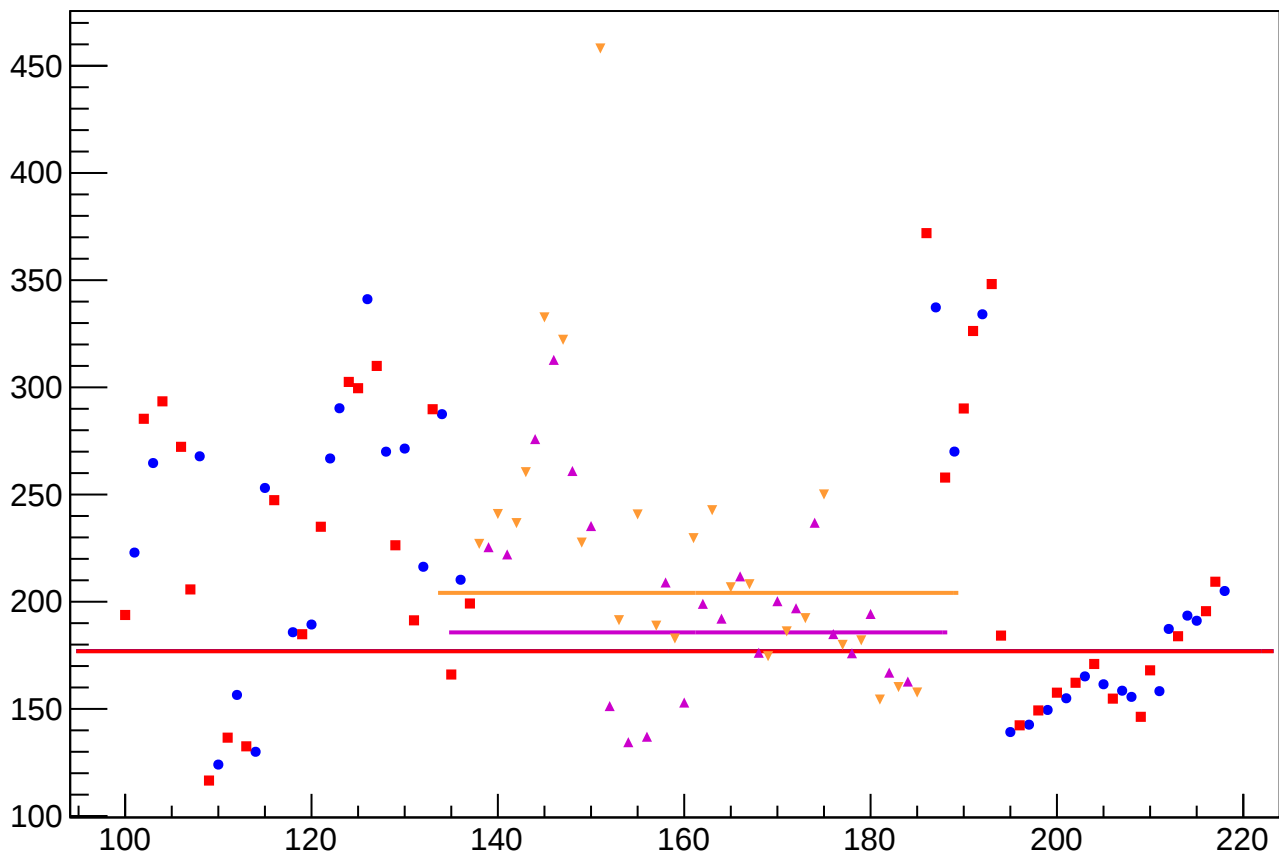
Left In: -37.460 ± 46.479 $\chi^2/\text{NDF}: 7.6/22$

+ sign -29.647 ± 32.405 $\chi^2/\text{NDF}: 26.7/57$

All: -6.685 ± 22.610 $\chi^2/\text{NDF}: 56.5/116$

- sign 15.101 ± 31.564 $\chi^2/\text{NDF}: 28.8/58$

asym_bcm_dg_us_rms vs Slug



Right In: 177.006 $\pm$ 0.030 χ^2 /NDF: 2085536.1/32

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 176.891 $\pm$ 0.030 χ^2 /NDF: 2664451.8/35

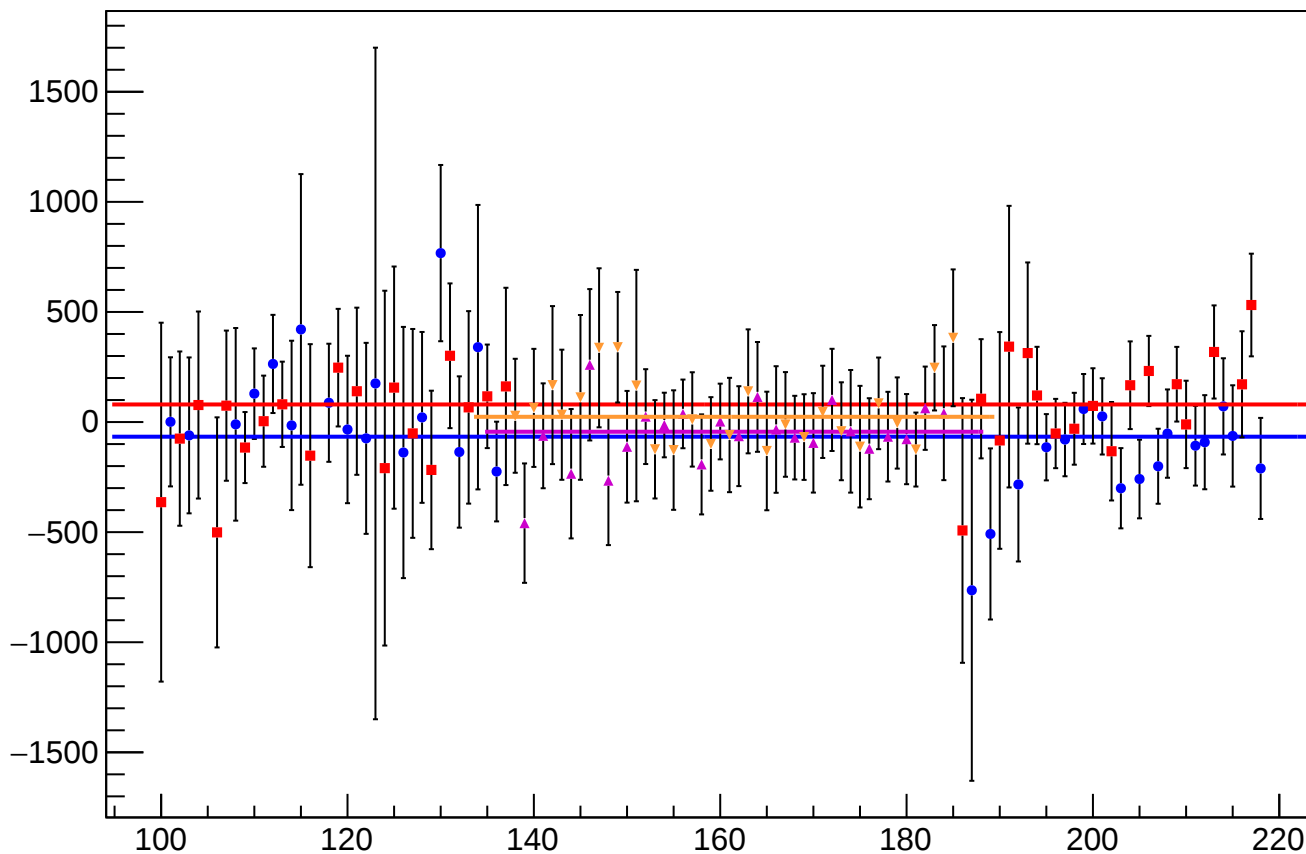
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 188.753 $\pm$ 0.023 χ^2 /NDF: 4101898.0/57

All: 184.749 $\pm$ 0.016 χ^2 /NDF: 8312276.0/116

- sign 180.950 $\pm$ 0.022 χ^2 /NDF: 4150875.1/58

asym_bcm_dg_ds_mean vs Slug



Right In: -66.524 $\pm$ 42.508 χ^2/NDF : 17.0/32

Left Out: 23.843 $\pm$ 48.783 χ^2/NDF : 8.5/24

Right Out: 79.895 $\pm$ 42.346 χ^2/NDF : 15.7/35

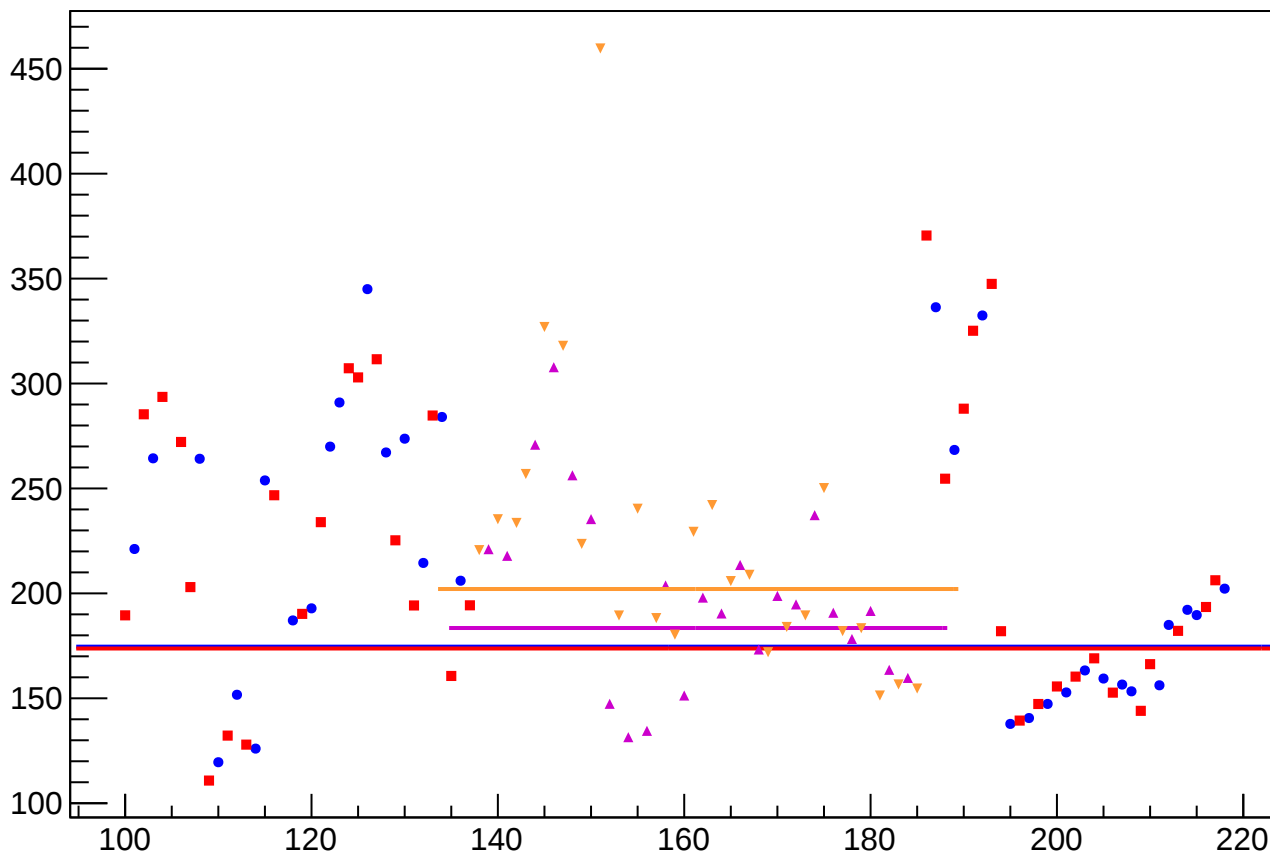
Left In: -43.978 $\pm$ 45.981 χ^2/NDF : 6.5/22

+ sign -27.523 $\pm$ 32.048 χ^2/NDF : 27.4/57

All: -1.519 $\pm$ 22.337 χ^2/NDF : 54.9/116

- sign 23.047 $\pm$ 31.149 χ^2/NDF : 26.2/58

asym_bcm_dg_ds_rms vs Slug



Right In: 174.610 $\pm$ 0.030 χ^2 /NDF: 2170448.7/32

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 173.730 $\pm$ 0.030 χ^2 /NDF: 2828604.1/35

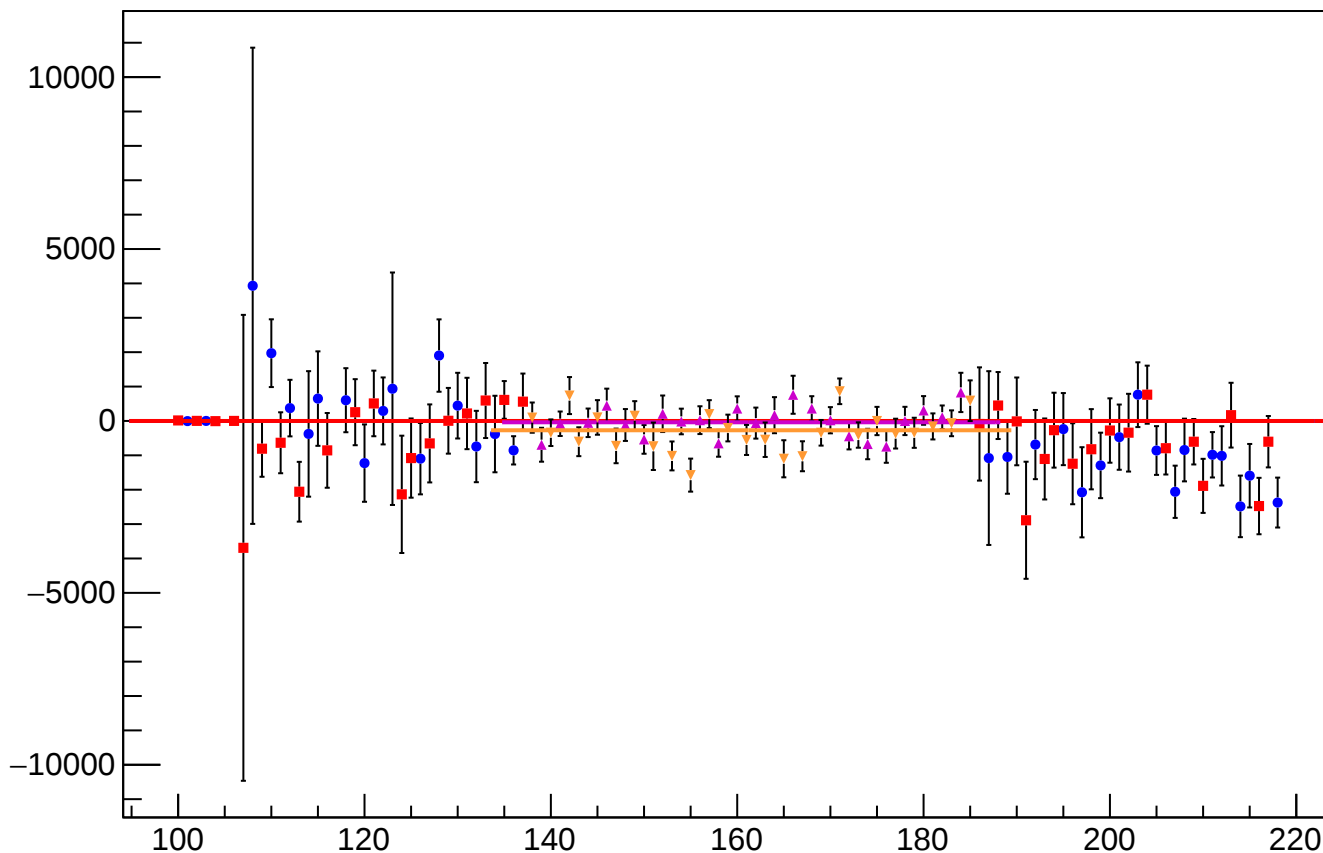
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 186.466 $\pm$ 0.023 χ^2 /NDF: 4223741.9/57

All: 182.222 $\pm$ 0.016 χ^2 /NDF: 8652770.8/116

- sign 178.213 $\pm$ 0.022 χ^2 /NDF: 4360826.9/58

asym_cav4bQ_mean vs Slug



Right In: -1.649 ± 2.251 χ^2/NDF : 58.9/32

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.784 ± 2.111 χ^2/NDF : 43.2/35

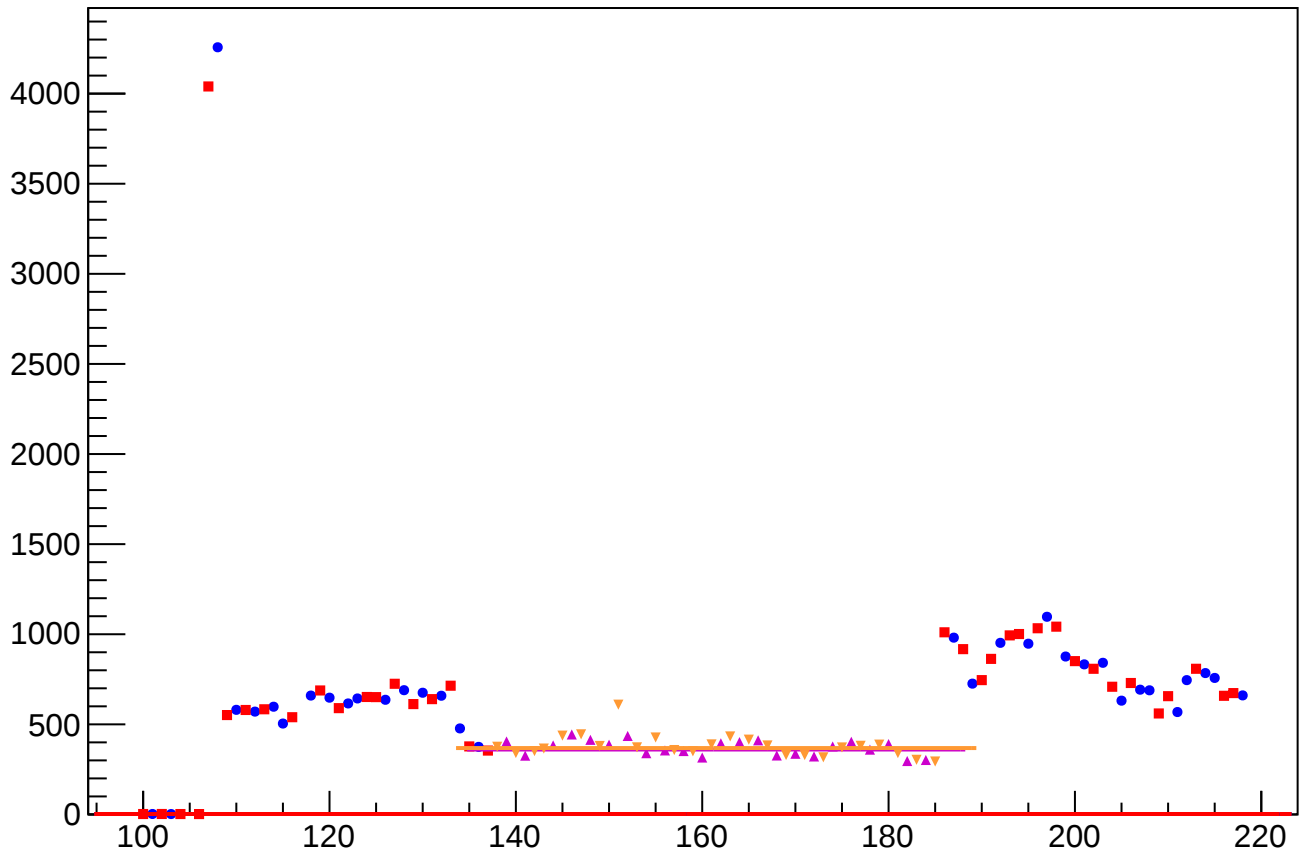
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.830 ± 2.251 χ^2/NDF : 106.6/57

All: -1.285 ± 1.539 χ^2/NDF : 170.4/116

- sign -0.806 ± 2.110 χ^2/NDF : 63.7/58

asym_cav4bQ_rms vs Slug



Right In: 2.531 $\pm$ 0.002 χ^2 /NDF: 33448481.1/32

Left Out: 368.397 $\pm$ 0.061 χ^2 /NDF:622466.1/24

Right Out: 2.501 $\pm$ 0.001 χ^2 /NDF: 34050567.9/35

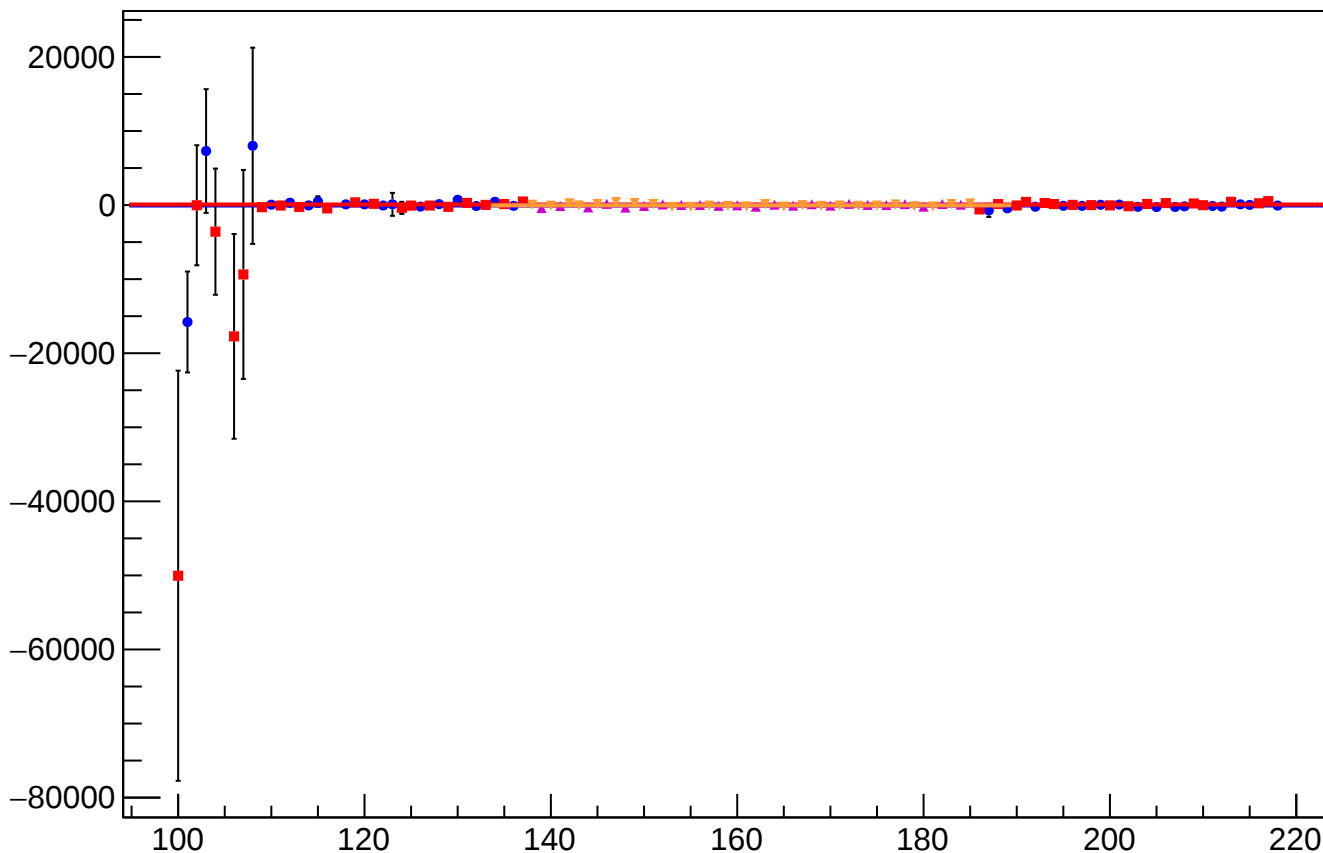
Left In: 360.408 $\pm$ 0.062 χ^2 /NDF:417739.4/22

+ sign 2.776 $\pm$ 0.002 χ^2 /NDF: 69443864.6/57

All: 2.740 $\pm$ 0.001 χ^2 /NDF: 137151046.0/116

- sign 2.708 $\pm$ 0.001 χ^2 /NDF: 67706197.6/58

asym_cav4cQ_mean vs Slug



Right In: -58.757 $\pm$ 46.190 χ^2 /NDF: 22.0/32

Left Out: -38.013 $\pm$ 49.628 χ^2 /NDF: 9.3/24

Right Out: 80.278 $\pm$ 46.648 χ^2 /NDF: 28.3/35

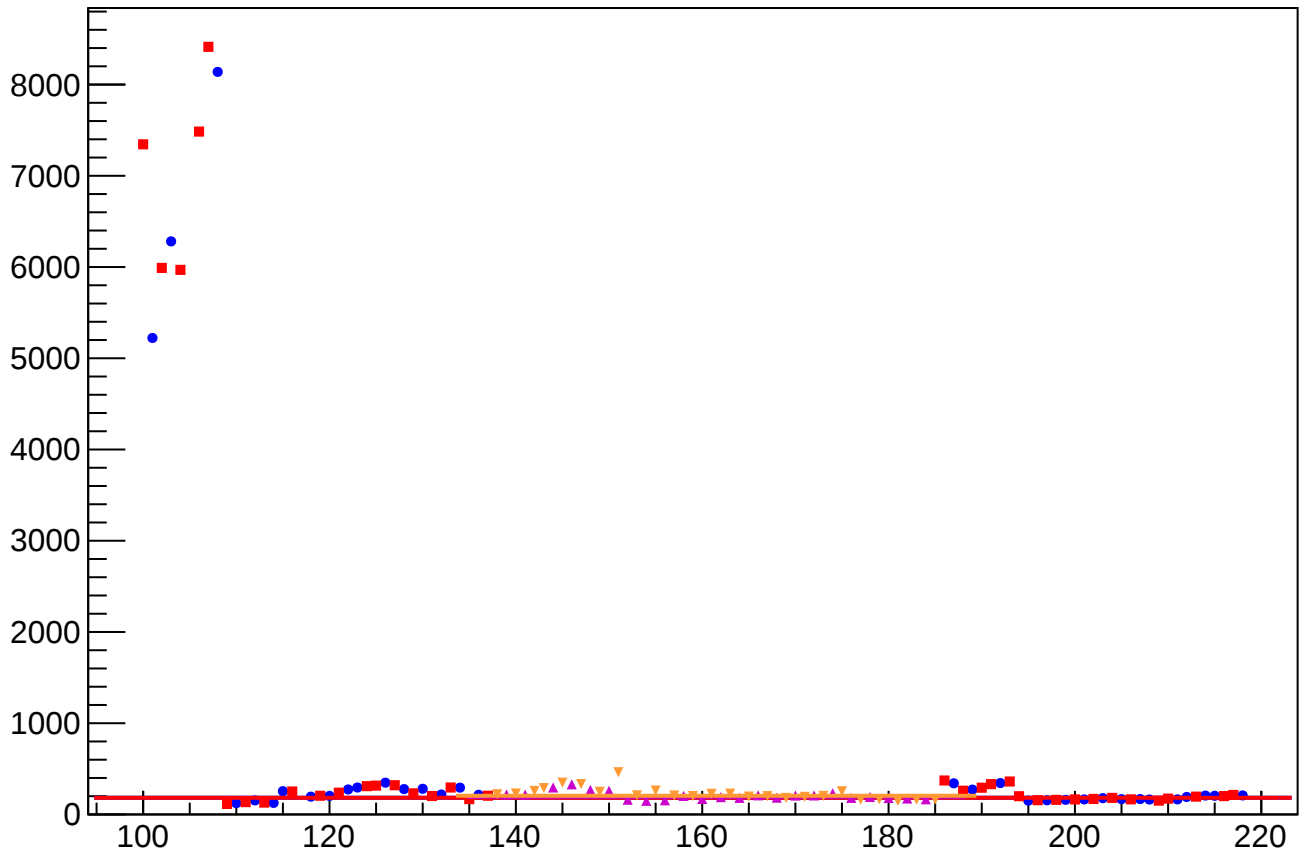
Left In: -28.205 $\pm$ 48.167 χ^2 /NDF: 9.2/22

+ sign -49.129 $\pm$ 33.811 χ^2 /NDF: 31.4/57

All: -10.332 $\pm$ 23.801 χ^2 /NDF: 74.1/116

- sign 27.774 $\pm$ 33.509 χ^2 /NDF: 40.1/58

asym_cav4cQ_rms vs Slug



Right In: 183.013 $\pm$ 0.033 χ^2 /NDF: 4604747.7/32

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 183.000 $\pm$ 0.033 χ^2 /NDF: 5472565.1/35

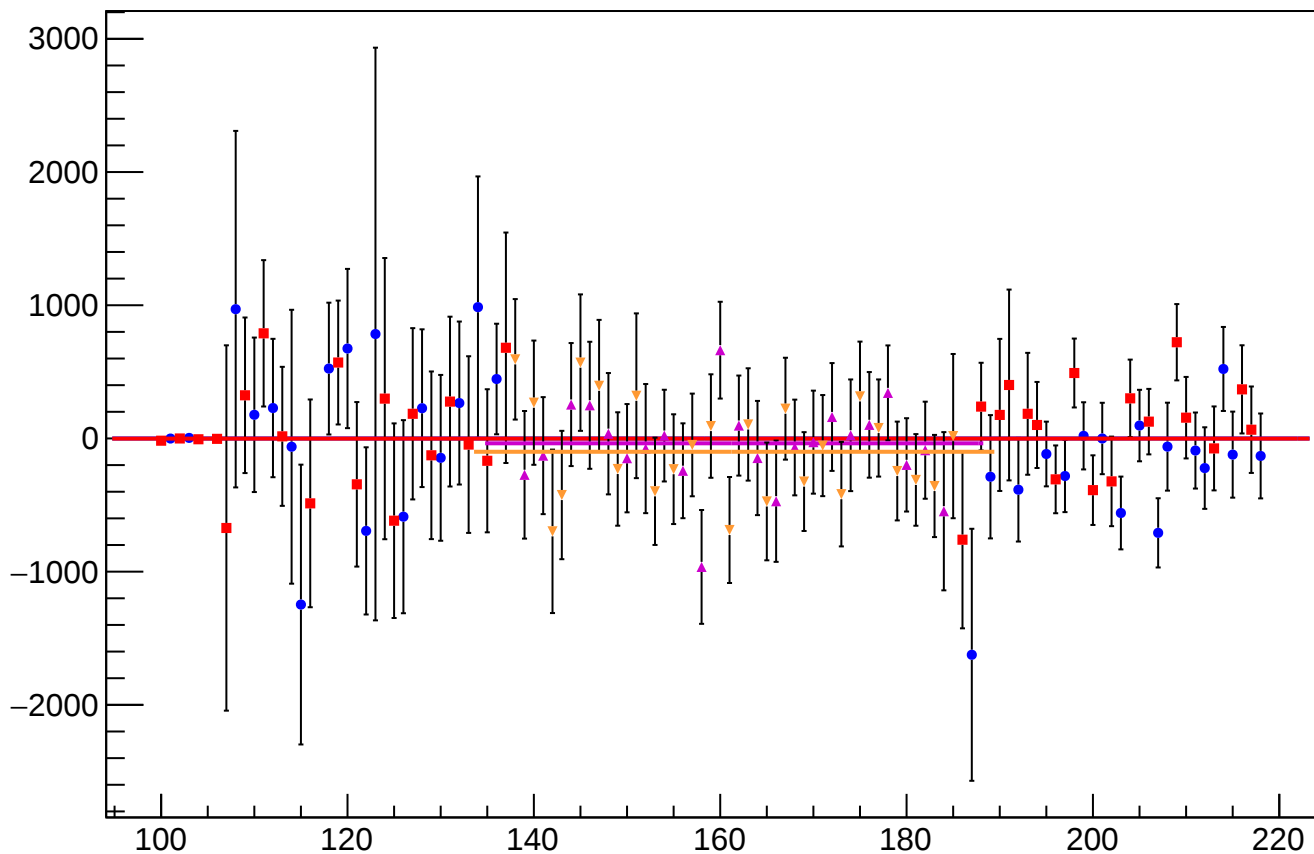
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 193.231 $\pm$ 0.024 χ^2 /NDF: 6771653.2/57

All: 190.610 $\pm$ 0.017 χ^2 /NDF: 13488363.4/13

- sign 188.036 $\pm$ 0.024 χ^2 /NDF: 6692888.8/58

asym_cav4dQ_mean vs Slug



Right In: -0.227 ± 1.736 χ^2/NDF : 31.1/32

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.277 ± 1.622 χ^2/NDF : 29.4/35

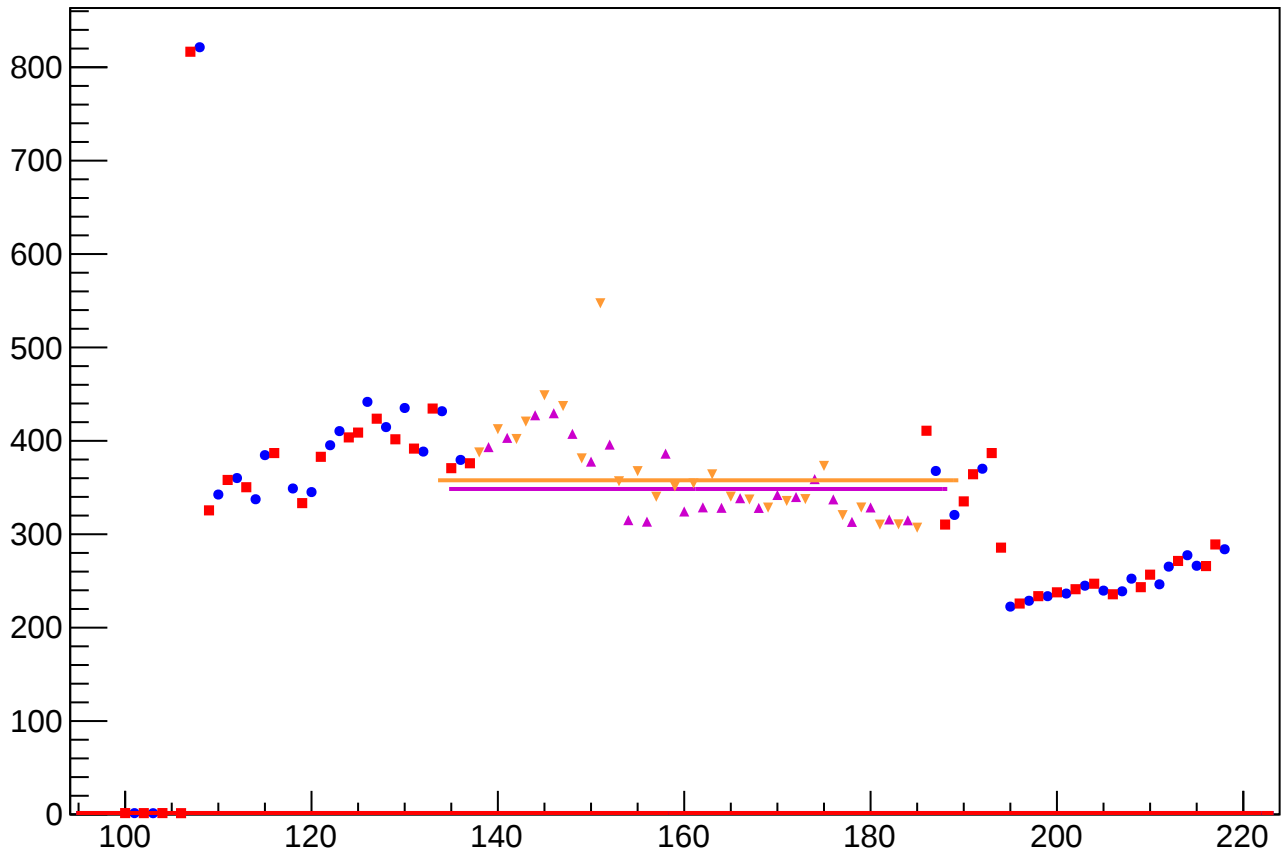
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.270 ± 1.736 χ^2/NDF : 48.2/57

All: -0.814 ± 1.185 χ^2/NDF : 91.5/116

- sign -1.290 ± 1.622 χ^2/NDF : 43.1/58

asym_cav4dQ_rms vs Slug



Right In: 1.586 ± 0.001 $\chi^2/\text{NDF}: 33646555.4/32$

Left Out: 357.771 ± 0.060 $\chi^2/\text{NDF}: 547124.8/24$

Right Out: 1.564 ± 0.001 $\chi^2/\text{NDF}: 33712808.7/35$

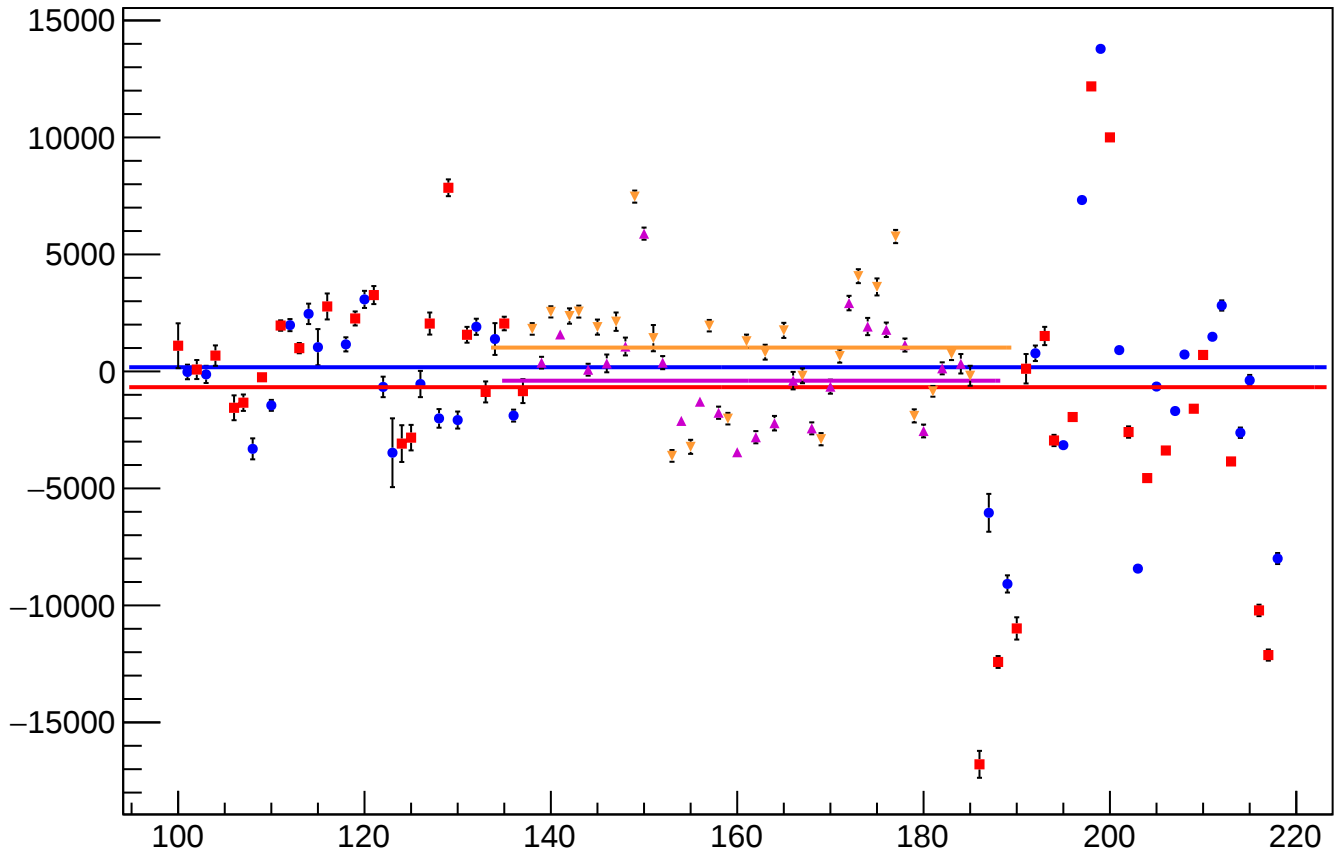
Left In: 348.464 ± 0.060 $\chi^2/\text{NDF}: 360425.7/22$

+ sign 1.738 ± 0.001 $\chi^2/\text{NDF}: 69976720.8/57$

All: 1.713 ± 0.001 $\chi^2/\text{NDF}: 137606437.5/116$

- sign 1.691 ± 0.001 $\chi^2/\text{NDF}: 67628942.4/58$

asym_bcm0l02_mean vs Slug



Right In: 178.988 $\pm$ 45.739 χ^2 /NDF: 12424.0/32

Left Out: 1018.965 $\pm$ 57.402 χ^2 /NDF: 2310.1/24

Right Out: -673.450 $\pm$ 45.447 χ^2 /NDF: 17800.6/35

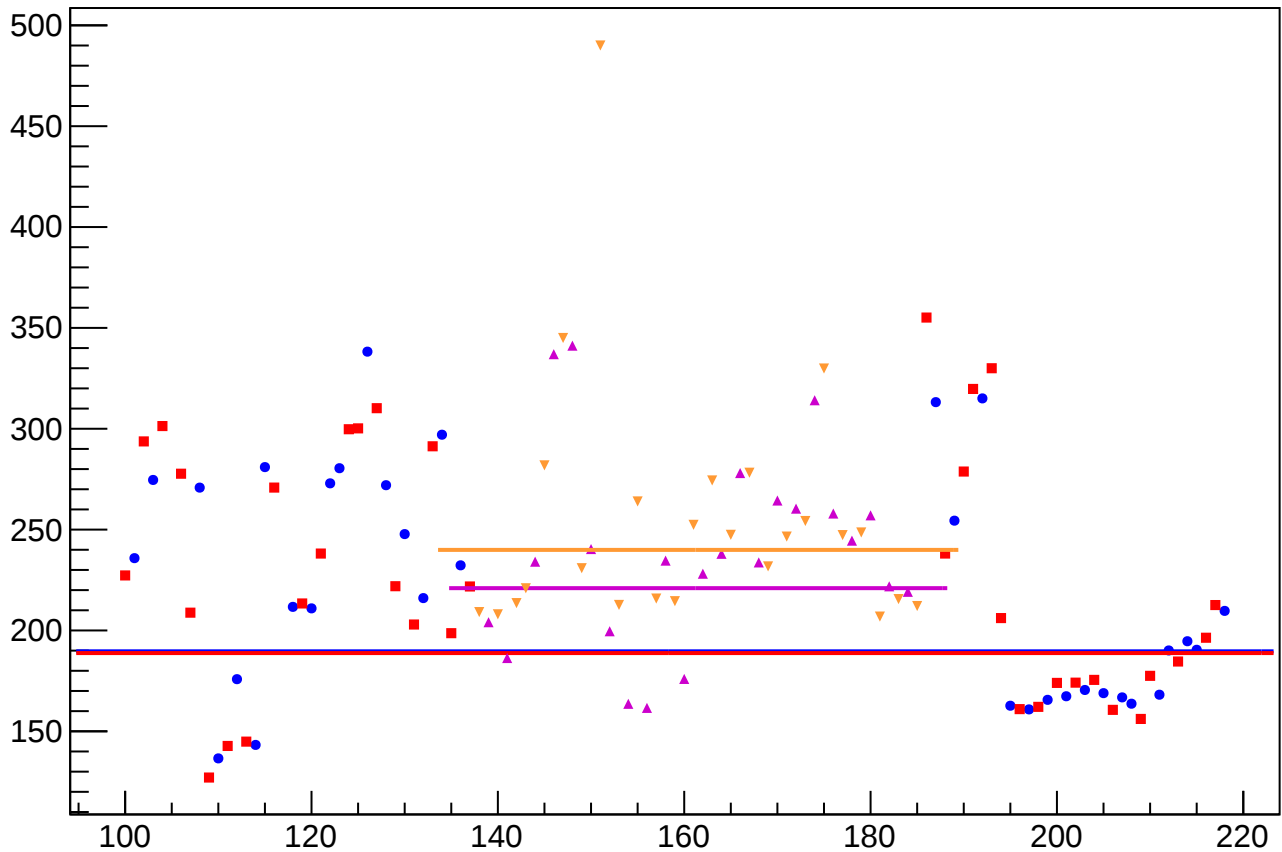
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF: 1581.0/22

+ sign 505.192 $\pm$ 35.772 χ^2 /NDF: 14865.1/57

All: -38.831 $\pm$ 25.038 χ^2 /NDF: 34715.2/116

- sign -561.342 $\pm$ 35.057 χ^2 /NDF: 19396.6/58

asym_bcm0l02_rms vs Slug



Right In: 189.656 $\pm$ 0.032 χ^2 /NDF: 1562244.1/32

Left Out: 239.942 $\pm$ 0.041 χ^2 /NDF:1000770.0/24

Right Out: 188.786 $\pm$ 0.032 χ^2 /NDF: 2144769.3/35

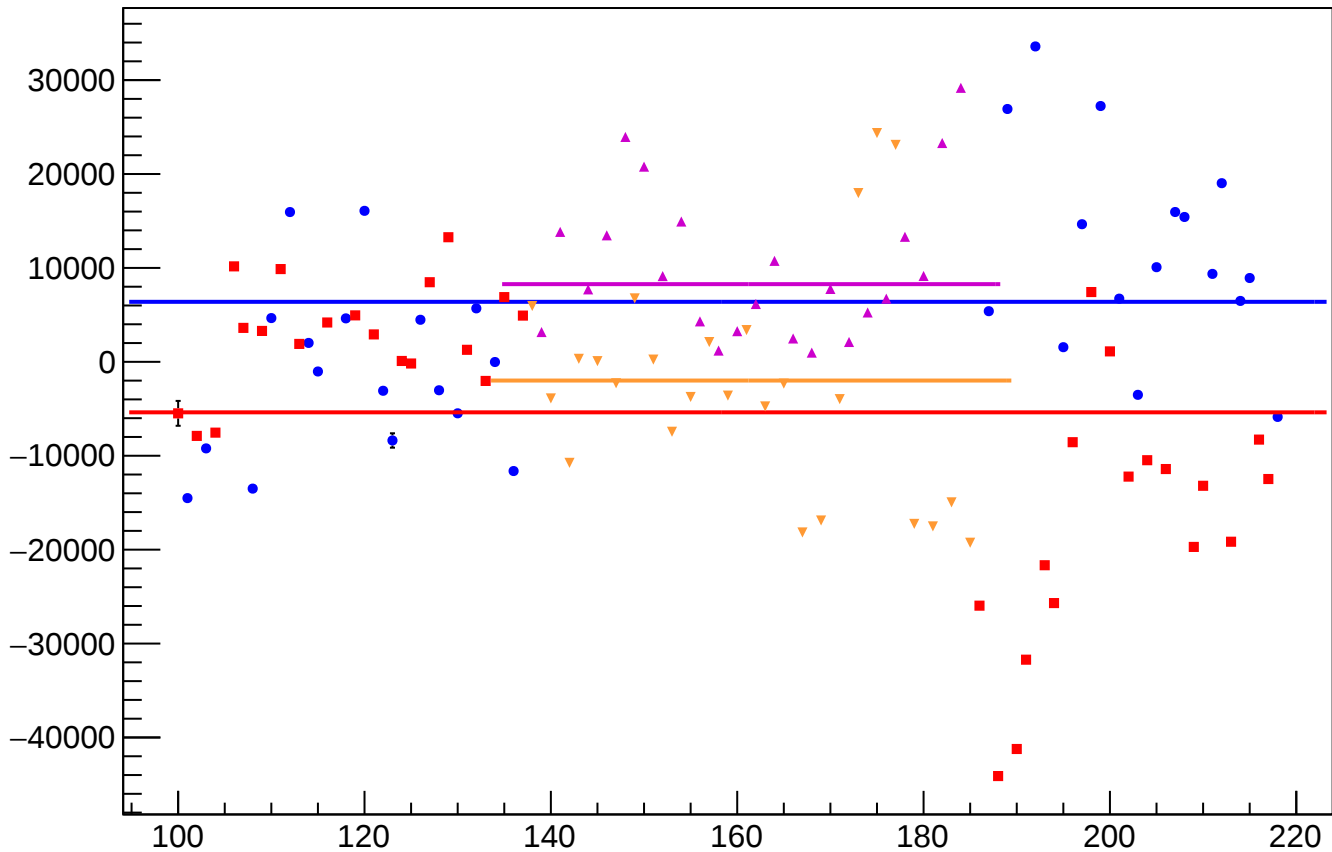
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 209.185 $\pm$ 0.025 χ^2 /NDF: 3501789.0/57

All: 205.428 $\pm$ 0.018 χ^2 /NDF: 7423685.3/116

- sign 201.820 $\pm$ 0.025 χ^2 /NDF: 3878653.2/58

asym_bpm0i02WS_mean vs Slug



Right In: 6390.764 ± 39.206 χ^2/NDF : 96018.3/32

Left Out: -1991.788 ± 42.427 χ^2/NDF : 63766.6/24

Right Out: -5377.673 ± 37.961 χ^2/NDF : 144907.7/35

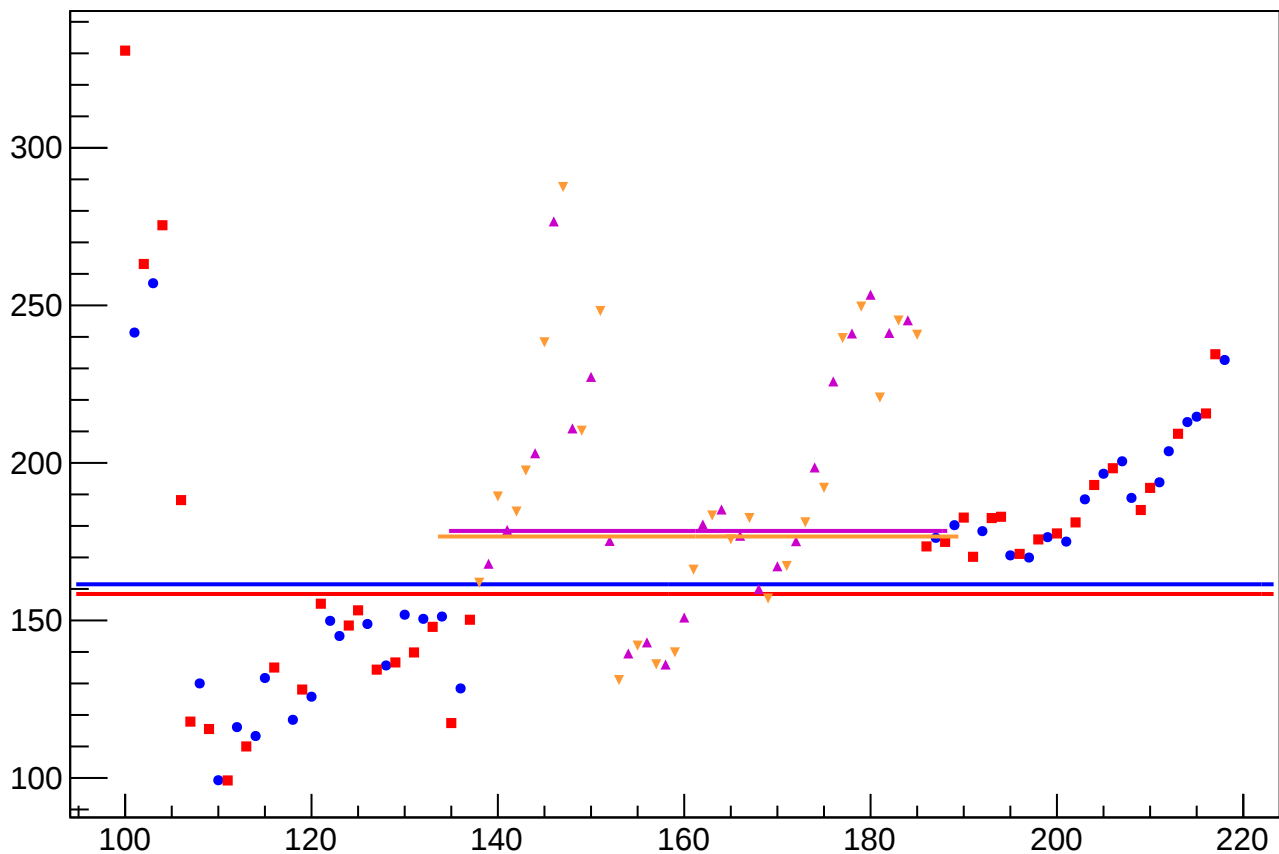
Left In: 8273.228 ± 44.301 χ^2/NDF : 22870.2/22

+ sign 2529.660 ± 28.794 χ^2/NDF : 180840.8/57

All: 1466.947 ± 20.372 χ^2/NDF : 406095.2/11

- sign 401.906 ± 28.826 χ^2/NDF : 222527.2/58

asym_bpm0i02WS_rms vs Slug



Right In: 161.476+/-0.028 χ^2/NDF : 1777563.0/32

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 158.400+/-0.027 χ^2/NDF : 1998472.4/35

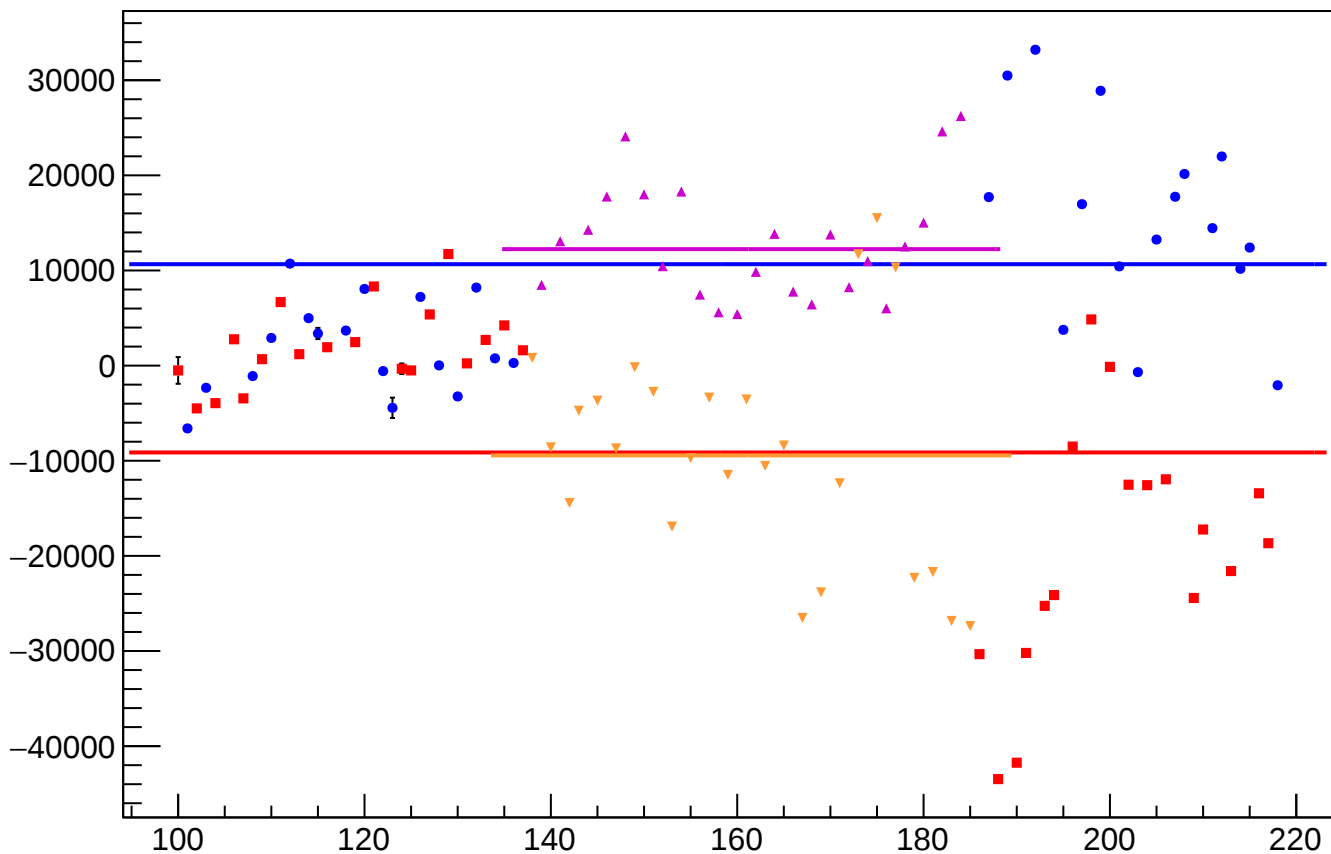
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 168.461+/-0.020 χ^2/NDF : 3466433.5/57

All: 167.668+/-0.014 χ^2/NDF : 6997034.6/116

- sign 166.873+/-0.020 χ^2/NDF : 3527563.8/58

asym_bpm0i02aWS_mean vs Slug



Right In: 10660.821 $\pm$ 42.981 χ^2 /NDF: 57632.3/32

Left Out: -9437.408 $\pm$ 45.534 χ^2 /NDF: 62220.4/24

Right Out: -9129.502 $\pm$ 41.838 χ^2 /NDF: 117279.5/35

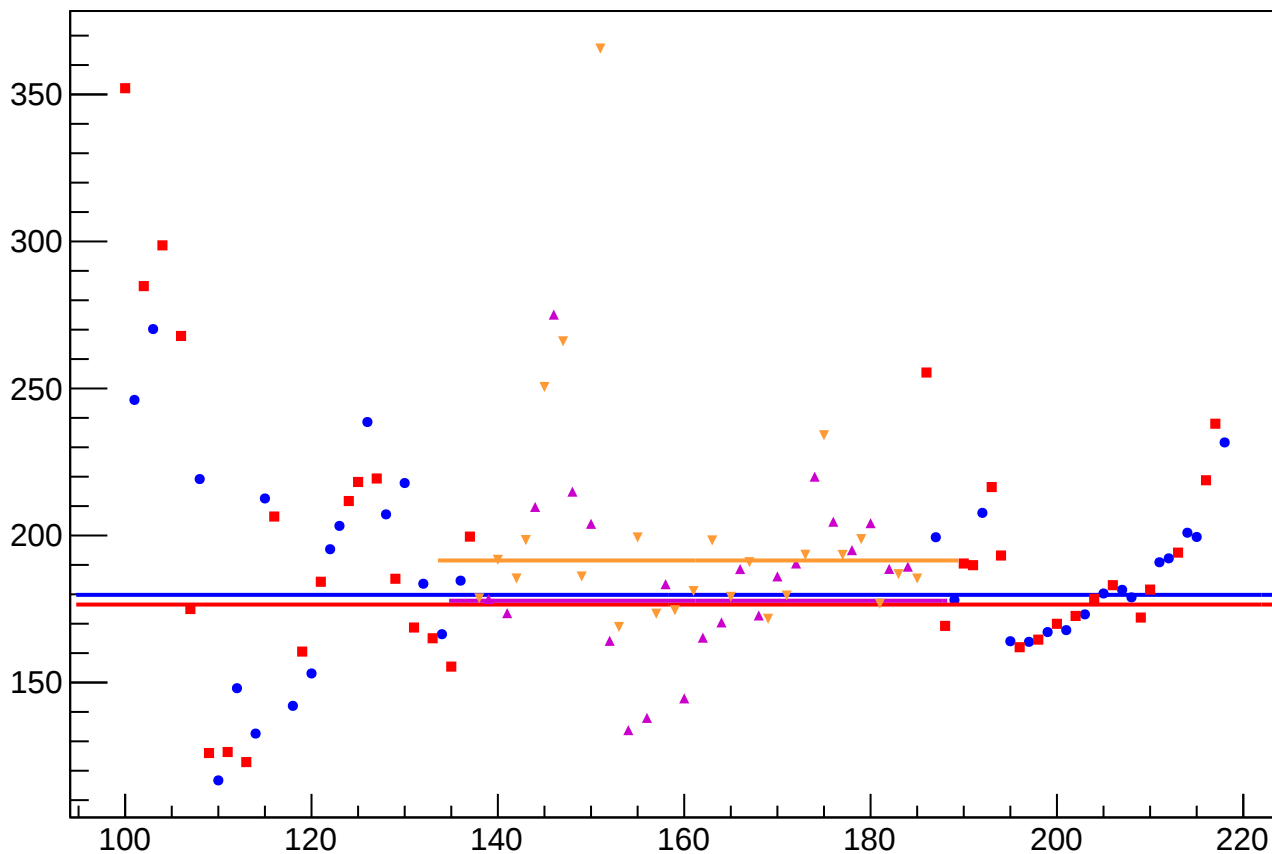
Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF: 16615.8/22

+ sign 1190.984 $\pm$ 31.256 χ^2 /NDF: 222878.8/57

All: 1109.016 $\pm$ 21.756 χ^2 /NDF: 480851.8/11

- sign 1031.978 $\pm$ 30.301 χ^2 /NDF: 257959.7/58

asym_bpm0i02aWS_rms vs Slug



Right In: 179.813+/-0.030 χ^2/NDF : 900735.9/32

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 176.515+/-0.030 χ^2/NDF : 1312749.3/35

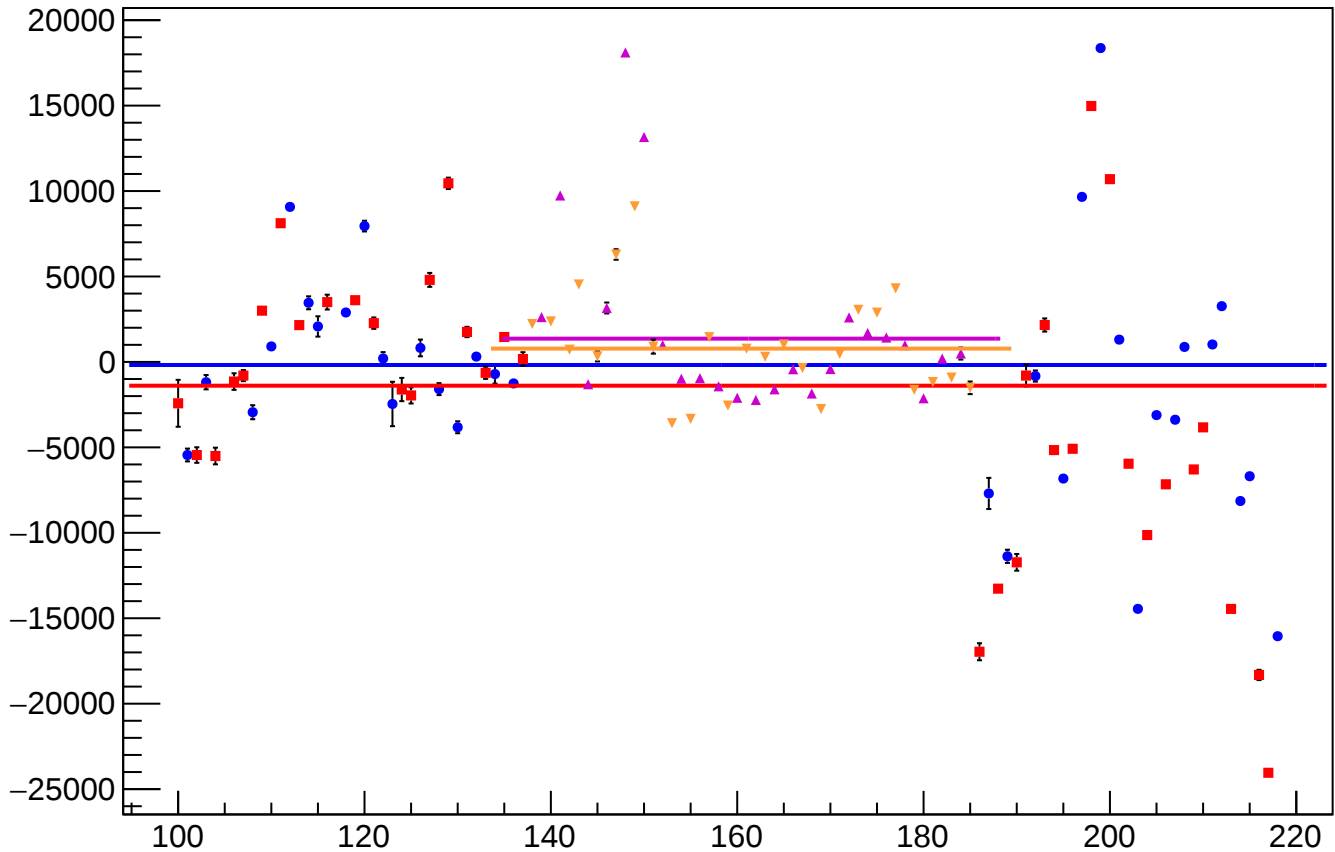
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 185.323+/-0.022 χ^2/NDF : 1697739.8/57

All: 181.103+/-0.015 χ^2/NDF : 3944642.7/116

- sign 177.136+/-0.021 χ^2/NDF : 2176170.8/58

asym_bpm0i05WS_mean vs Slug



Right In: -179.708 ± 48.117 $\chi^2/\text{NDF}: 25497.0/32$

Left Out: 779.983 ± 47.457 $\chi^2/\text{NDF}: 4260.8/24$

Right Out: -1390.997 ± 47.038 $\chi^2/\text{NDF}: 34515.6/35$

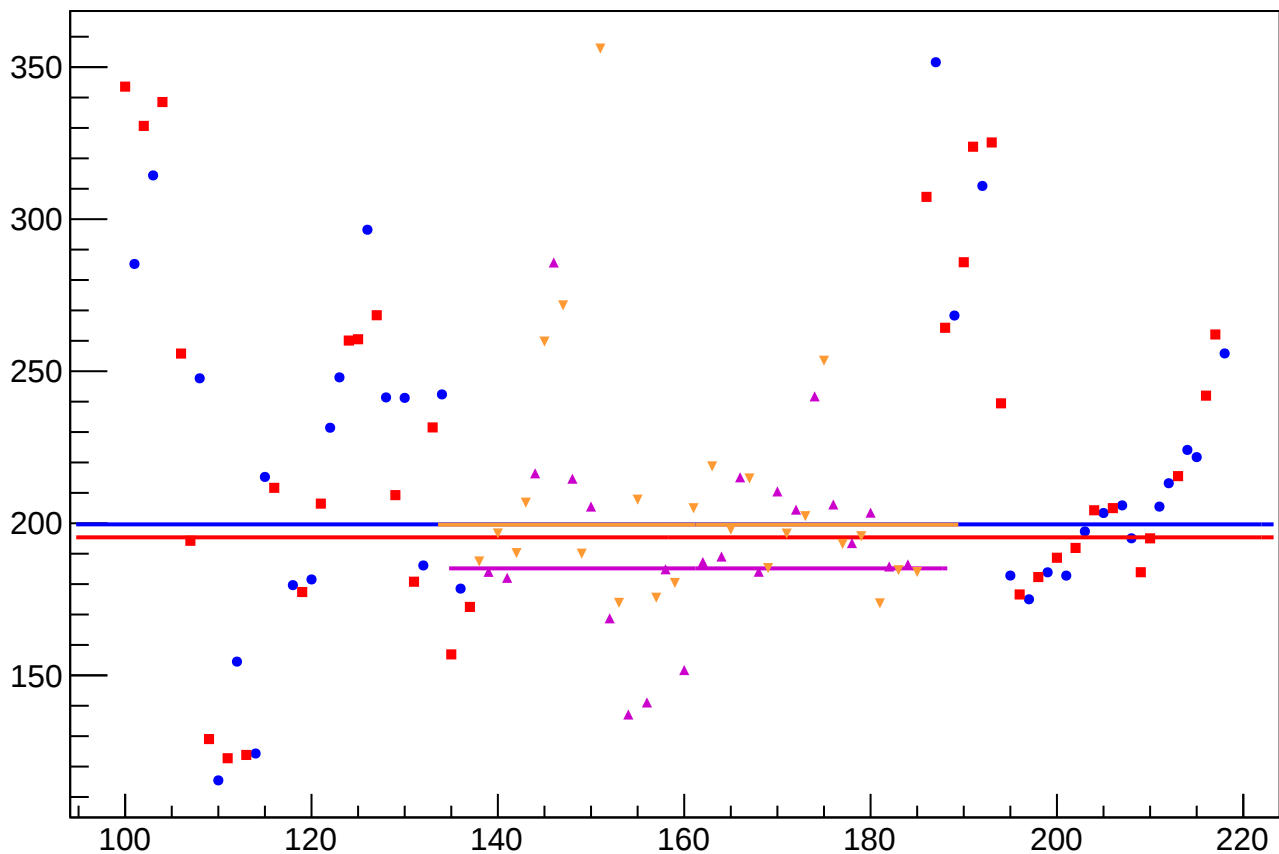
Left In: 1363.043 ± 45.807 $\chi^2/\text{NDF}: 11632.9/22$

+ sign 306.762 ± 33.788 $\chi^2/\text{NDF}: 29959.4/57$

All: 160.509 ± 23.541 $\chi^2/\text{NDF}: 77903.8/116$

- sign 22.544 ± 32.817 $\chi^2/\text{NDF}: 47907.9/58$

asym_bpm0i05WS_rms vs Slug



Right In: 199.645 $\pm$ 0.034 χ^2 /NDF: 1547842.9/32

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 195.379 $\pm$ 0.033 χ^2 /NDF: 2321442.1/35

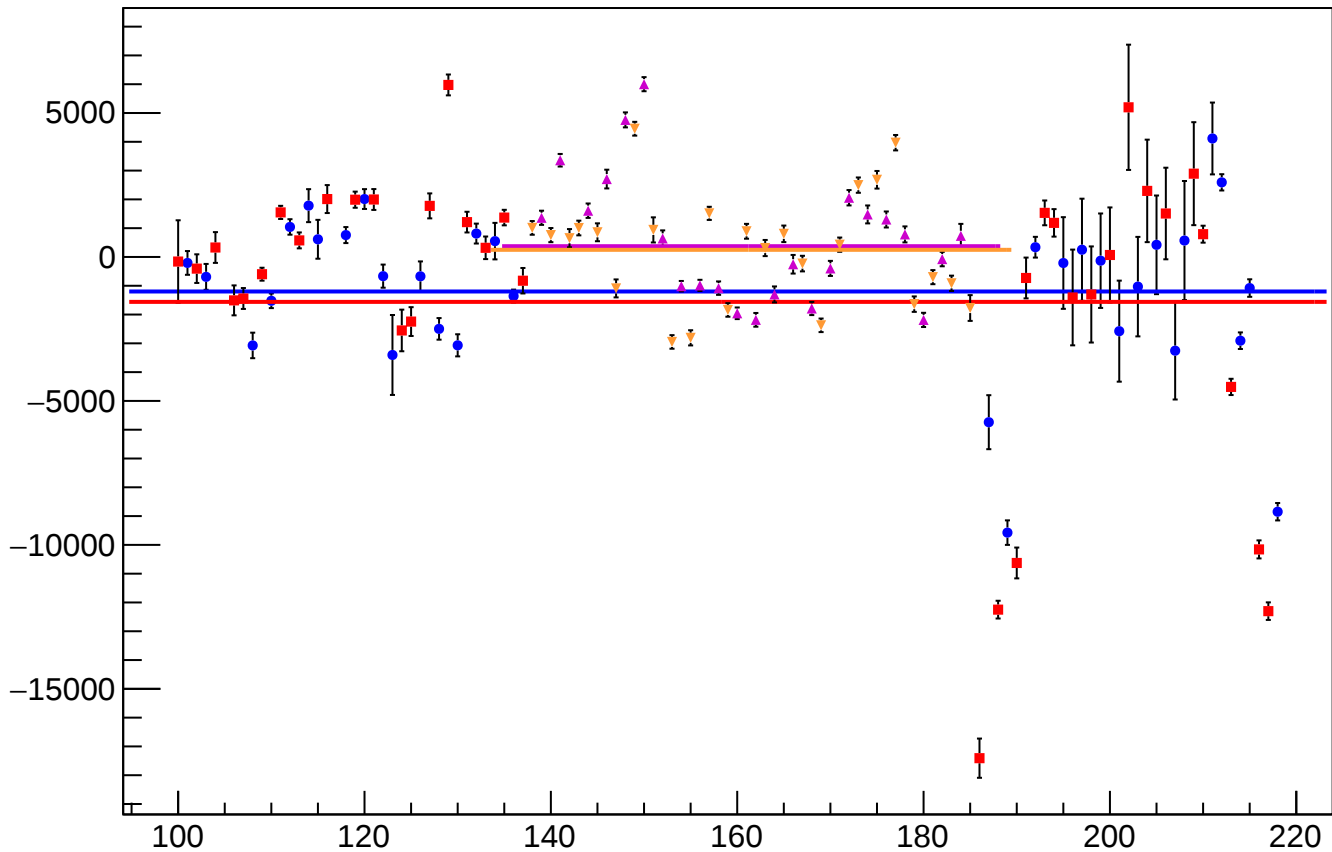
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 199.595 $\pm$ 0.024 χ^2 /NDF: 2277203.4/57

All: 194.729 $\pm$ 0.017 χ^2 /NDF: 5610350.6/116

- sign 190.139 $\pm$ 0.023 χ^2 /NDF: 3252541.0/58

asym_bpm0i07WS_mean vs Slug



Right In: -1198.997 ± 72.398 χ^2/NDF : 1656.7/32

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -1559.932 ± 66.936 χ^2/NDF : 5599.6/35

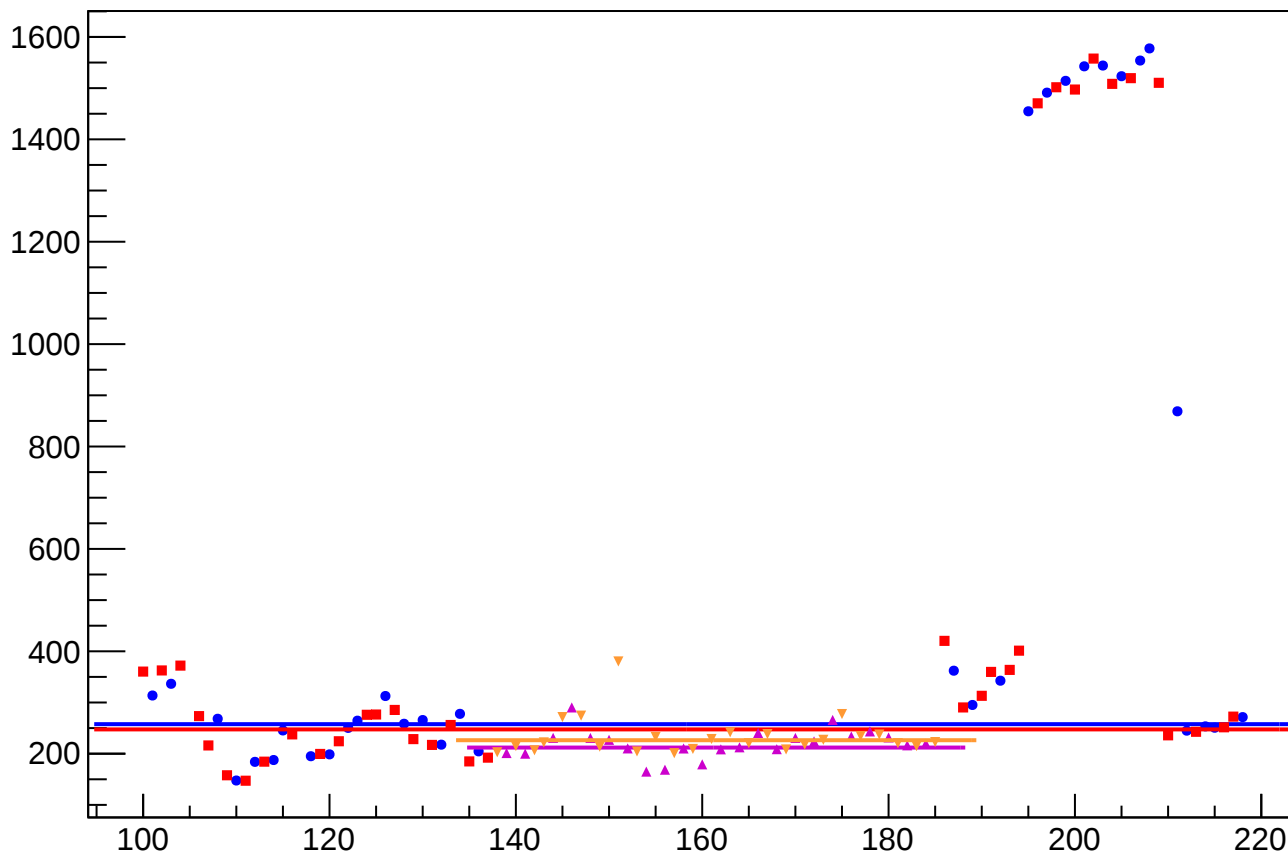
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -263.862 ± 43.055 χ^2/NDF : 3269.9/57

All: -311.377 ± 29.725 χ^2/NDF : 11193.1/116

- sign -354.650 ± 41.089 χ^2/NDF : 7920.9/58

asym_bpm0i07WS_rms vs Slug



Right In: 257.675+/-0.051 χ^2/NDF : 10151378.9/32

Left Out: 226.322+/-0.038 χ^2/NDF : 521041.8/24

Right Out: 247.435+/-0.047 χ^2/NDF : 9288035.3/35

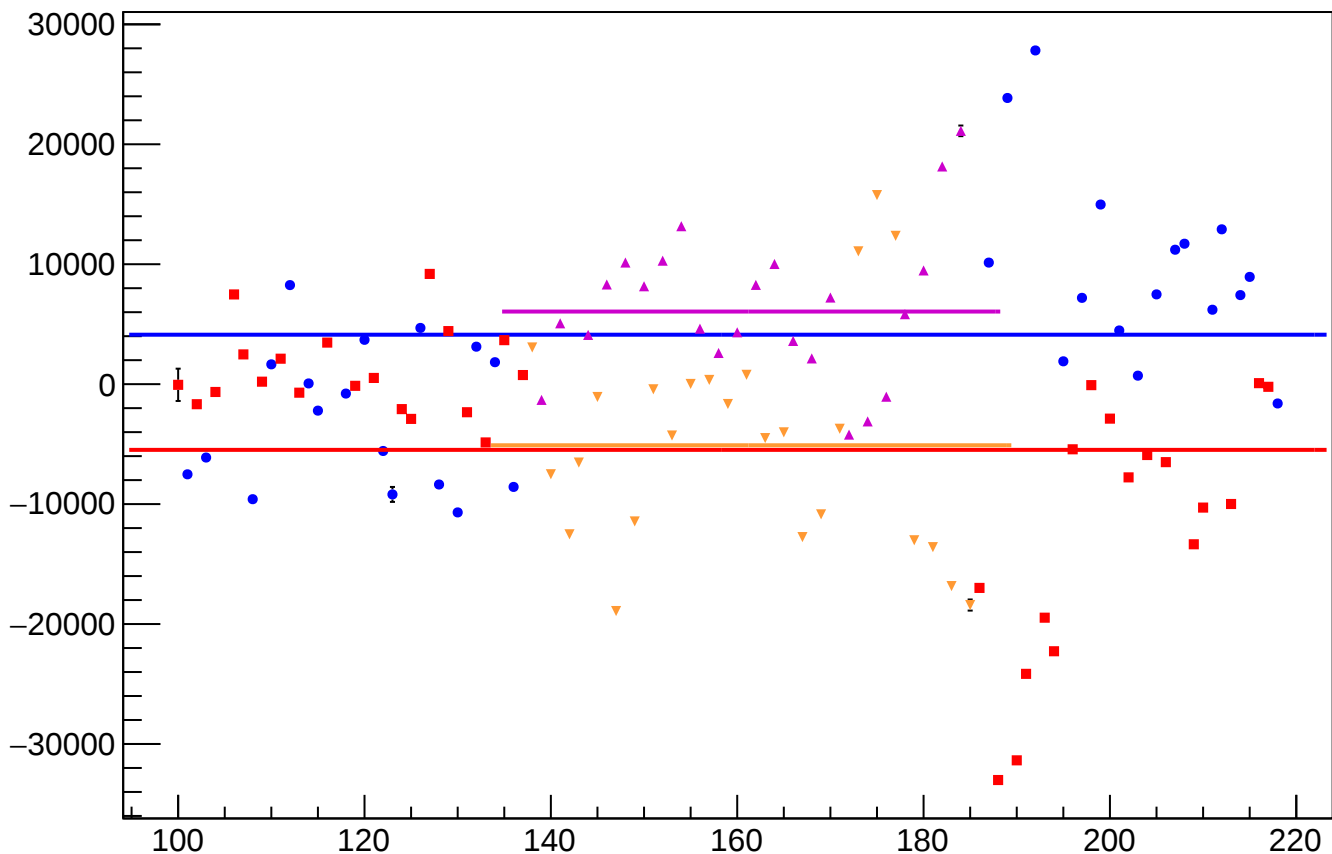
Left In: 211.970+/-0.037 χ^2/NDF : 584344.5/22

+ sign 237.411+/-0.030 χ^2/NDF : 10914857.7/57

All: 231.090+/-0.021 χ^2/NDF : 21219473.5/11

- sign 225.334+/-0.029 χ^2/NDF : 10222261.6/58

asym_bpm1i02WS_mean vs Slug



Right In: 4122.799+/-33.343 χ^2/NDF : 80792.0/32

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5478.795+/-32.054 χ^2/NDF : 105080.1/35

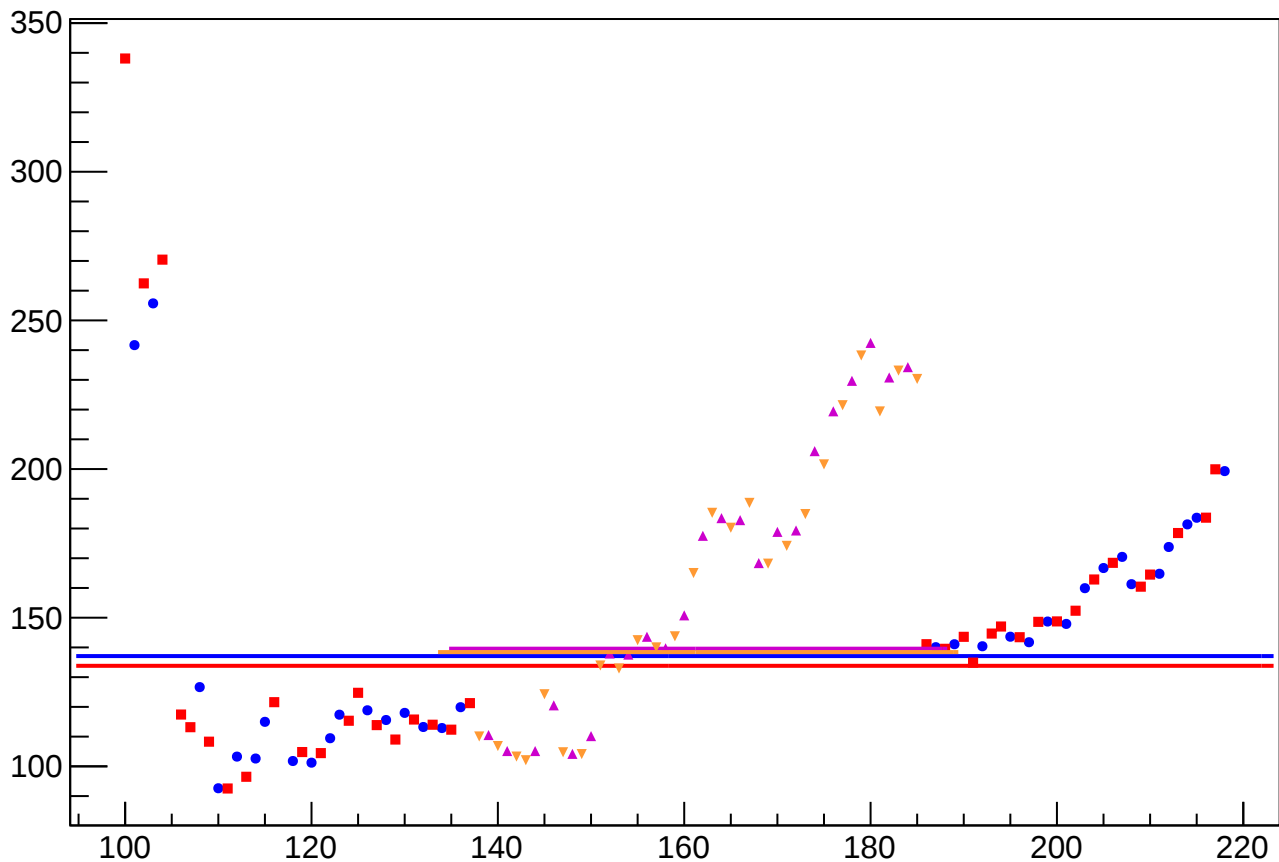
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -436.648+/-23.703 χ^2/NDF : 172992.7/57

All: -327.027+/-16.738 χ^2/NDF : 354754.1/111

- sign -218.009+/-23.638 χ^2/NDF : 181718.7/58

asym_bpm1i02WS_rms vs Slug



Right In: 137.090 $\pm$ 0.024 χ^2 /NDF: 1789469.3/32

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 133.816 $\pm$ 0.023 χ^2 /NDF: 1862924.2/35

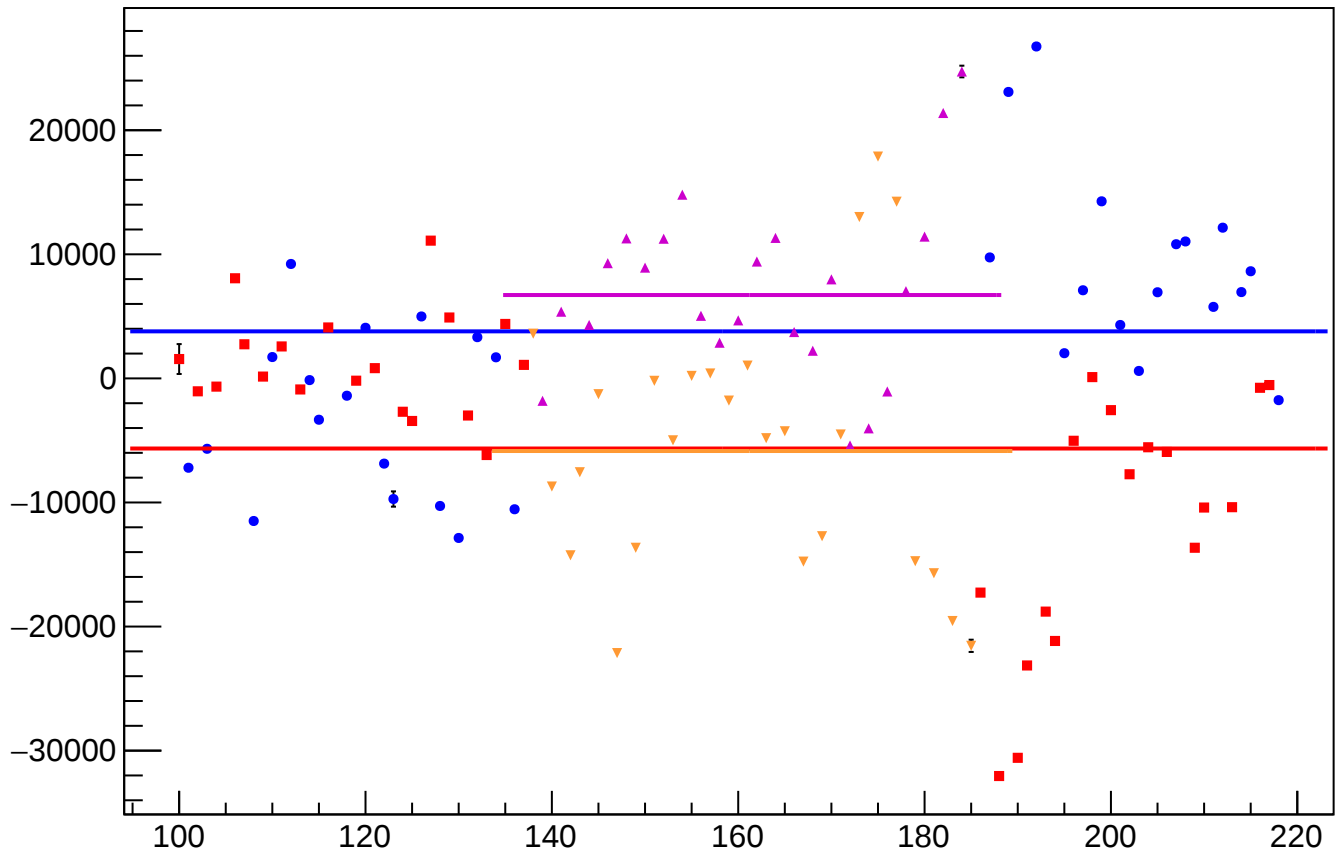
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 137.756 $\pm$ 0.017 χ^2 /NDF: 4340515.5/57

All: 137.098 $\pm$ 0.012 χ^2 /NDF: 8649651.5/116

- sign 136.444 $\pm$ 0.017 χ^2 /NDF: 4306065.6/58

asym_bpm2i01WS_mean vs Slug



Right In: 3790.927 ± 33.247 $\chi^2/\text{NDF}: 85928.0/32$

Left Out: -5852.544 ± 35.880 $\chi^2/\text{NDF}: 63411.4/24$

Right Out: -5651.263 ± 32.115 $\chi^2/\text{NDF}: 105769.6/35$

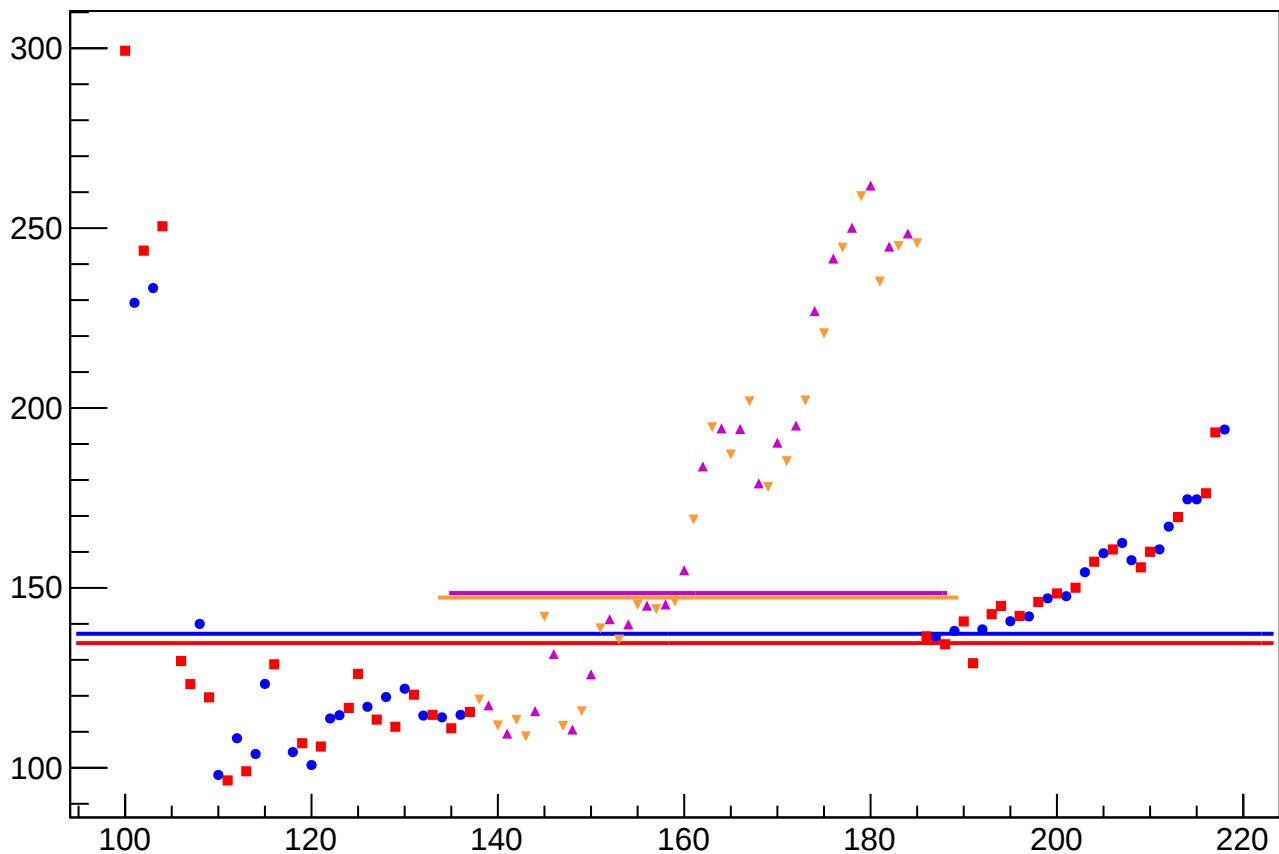
Left In: 6718.475 ± 37.276 $\chi^2/\text{NDF}: 20934.3/22$

+ sign -664.095 ± 24.387 $\chi^2/\text{NDF}: 188205.6/57$

All: -522.371 ± 17.224 $\chi^2/\text{NDF}: 378182.6/11$

- sign -381.304 ± 24.330 $\chi^2/\text{NDF}: 189909.6/58$

asym_bpm2i01WS_rms vs Slug



Right In: 137.252+/-0.024 χ^2/NDF : 1424163.8/32

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 134.657+/-0.023 χ^2/NDF : 1455073.1/35

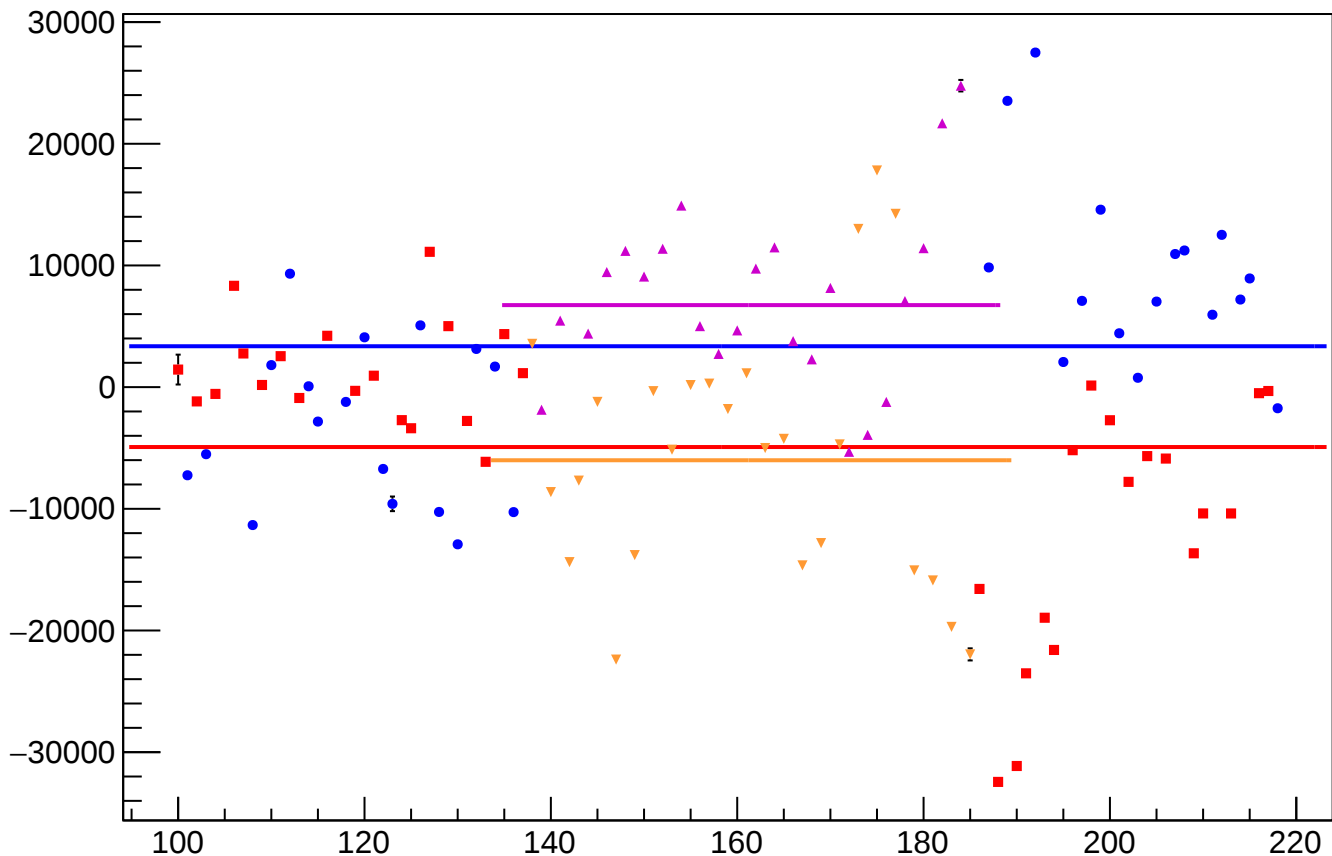
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 141.902+/-0.017 χ^2/NDF : 4020531.3/57

All: 141.241+/-0.012 χ^2/NDF : 8031596.1/116

- sign 140.584+/-0.017 χ^2/NDF : 4008138.9/58

asym_bpm2i02WS_mean vs Slug



Right In: 3360.156+/-33.379 χ^2/NDF : 85598.3/32

Left Out: -6009.913+/-35.082 χ^2/NDF : 67852.2/24

Right Out: -4922.913+/-32.221 χ^2/NDF : 100514.9/35

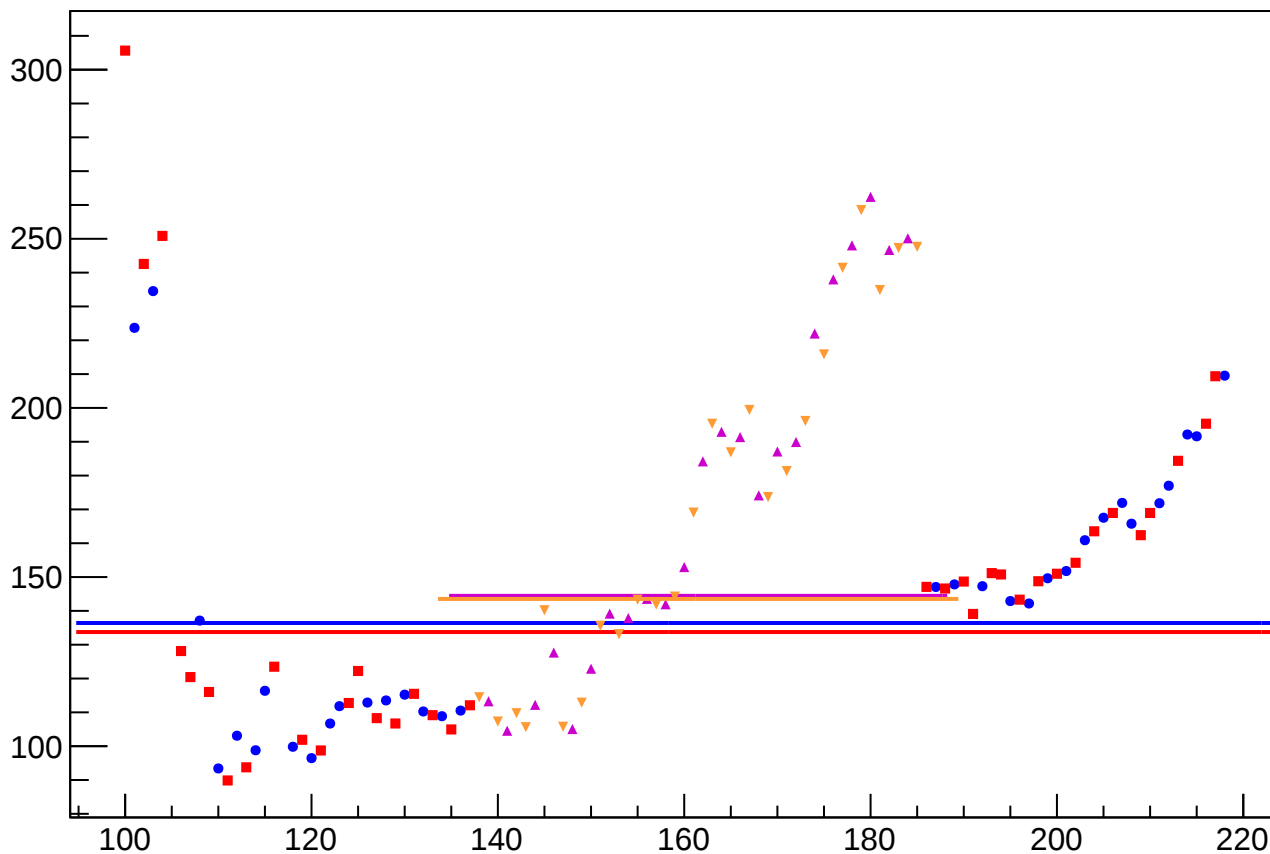
Left In: 6740.666+/-36.379 χ^2/NDF : 22071.8/22

+ sign -1091.878+/-24.182 χ^2/NDF : 190892.3/57

All: -442.088+/-17.077 χ^2/NDF : 372523.4/11

- sign 204.381+/-24.120 χ^2/NDF : 180190.7/58

asym_bpm2i02WS_rms vs Slug



Right In: 136.425 $\pm$ 0.024 χ^2 /NDF: 2021426.3/32

Left Out: 143.531 $\pm$ 0.025 χ^2 /NDF: 2704790.3/24

Right Out: 133.748 $\pm$ 0.023 χ^2 /NDF: 2077137.3/35

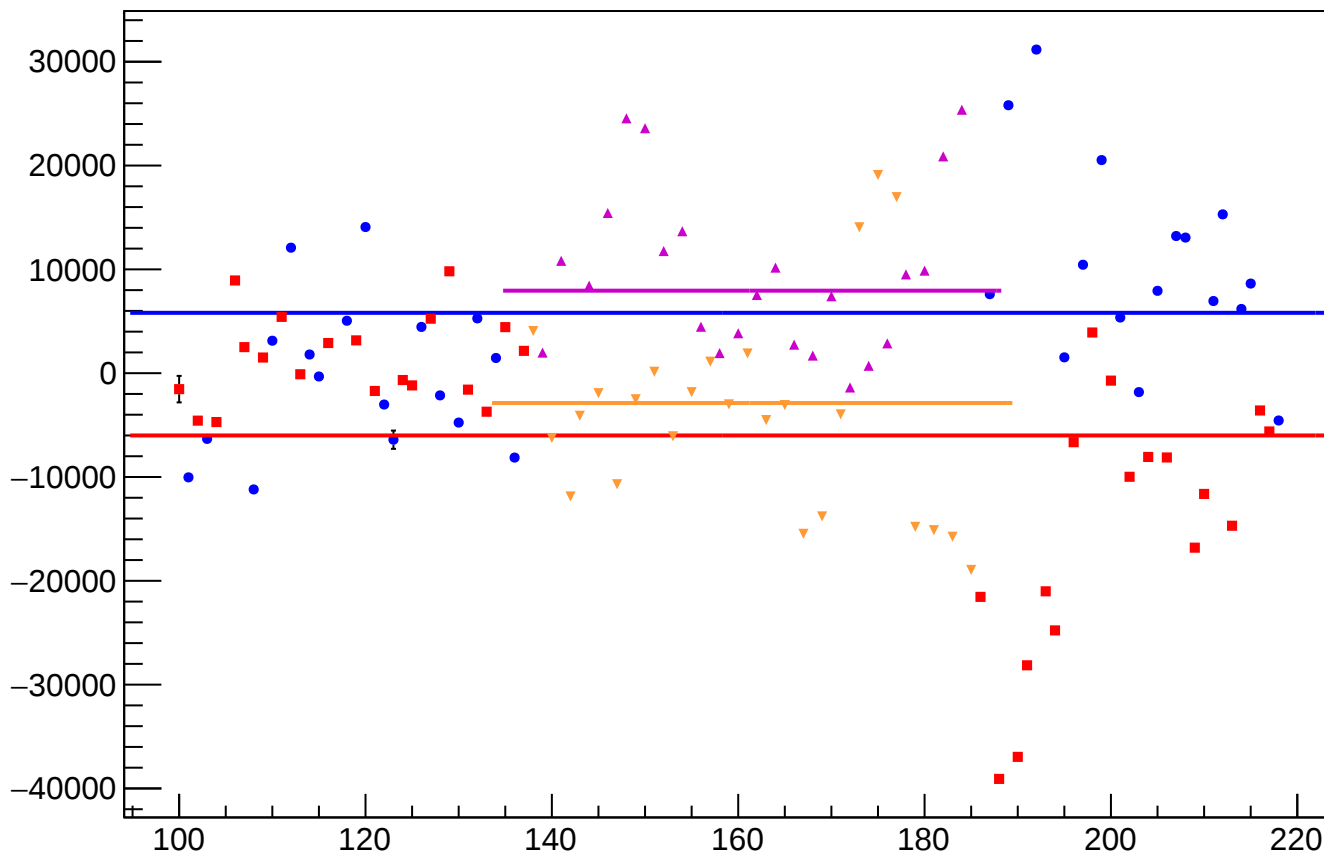
Left In: 144.440 $\pm$ 0.026 χ^2 /NDF: 2586926.1/22

+ sign 139.801 $\pm$ 0.017 χ^2 /NDF: 4769285.1/57

All: 139.123 $\pm$ 0.012 χ^2 /NDF: 9533290.6/116

- sign 138.448 $\pm$ 0.017 χ^2 /NDF: 4760867.9/58

asym_bpm0i01WS_mean vs Slug



Right In: 5814.528 ± 40.146 $\chi^2/\text{NDF}: 65117.1/32$

Left Out: -2870.473 ± 39.482 $\chi^2/\text{NDF}: 46420.3/24$

Right Out: -5998.006 ± 38.808 $\chi^2/\text{NDF}: 99945.2/35$

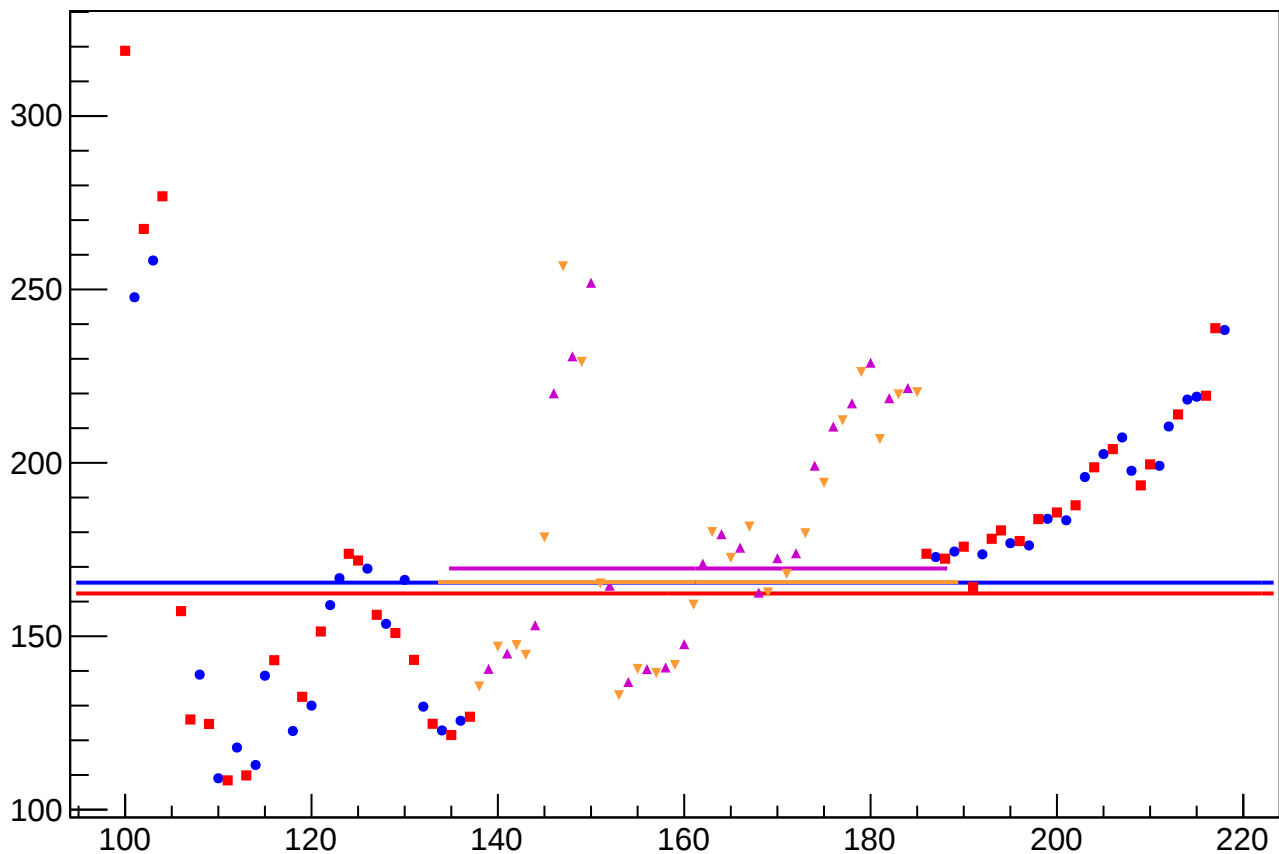
Left In: 7947.160 ± 41.726 $\chi^2/\text{NDF}: 23874.5/22$

+ sign 1399.599 ± 28.150 $\chi^2/\text{NDF}: 135327.8/57$

All: 939.211 ± 19.999 $\chi^2/\text{NDF}: 319577.0/116$

- sign 470.047 ± 28.417 $\chi^2/\text{NDF}: 183709.1/58$

asym_bpm0i01WS_rms vs Slug



Right In: 165.460+/-0.028 χ^2/NDF : 1801407.5/32

Left Out: 165.616+/-0.028 χ^2/NDF :1144779.3/24

Right Out: 162.337+/-0.027 χ^2/NDF : 1863180.1/35

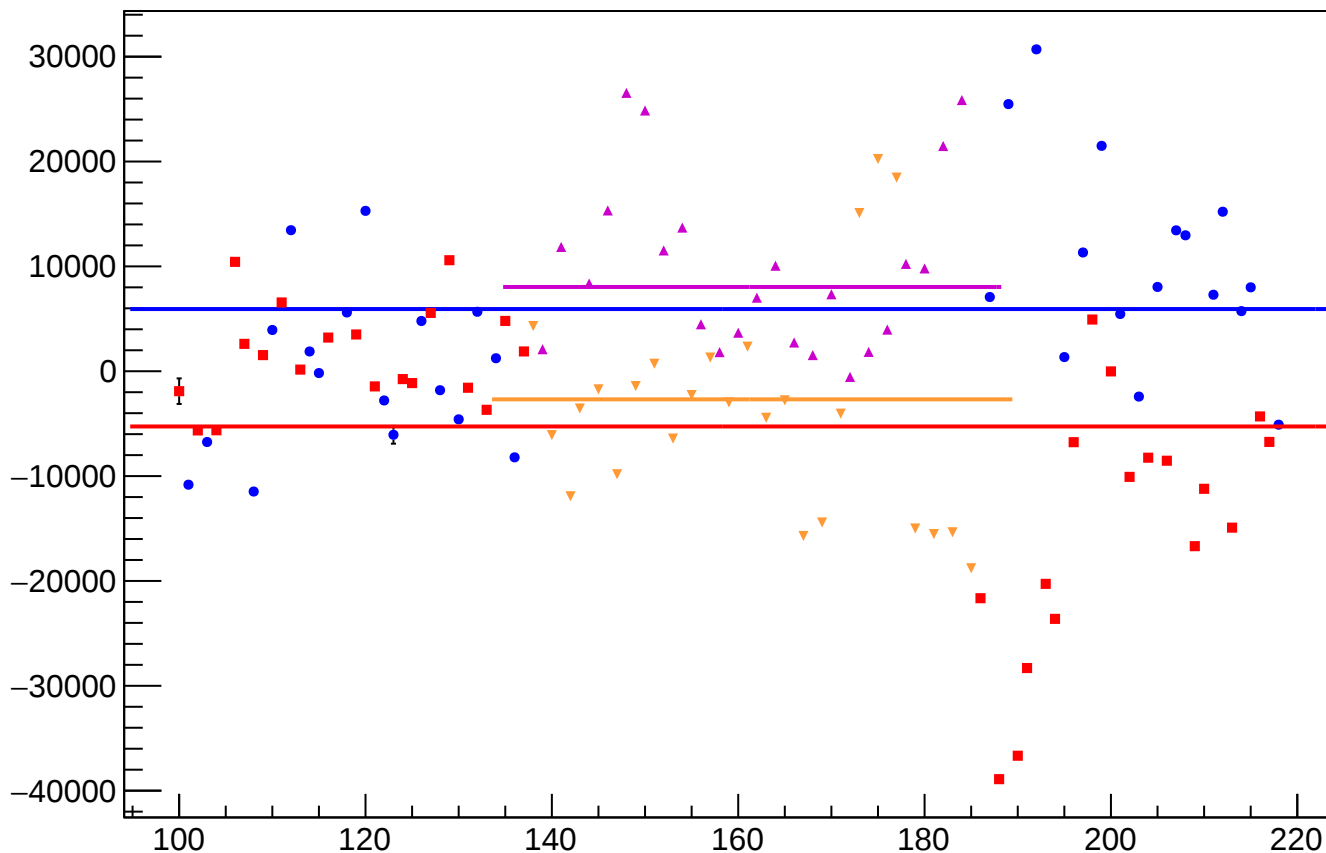
Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

+ sign 165.539+/-0.020 χ^2/NDF : 2946202.2/57

All: 165.608+/-0.014 χ^2/NDF : 6000619.2/116

- sign 165.679+/-0.020 χ^2/NDF : 3054392.9/58

asym_bpm0i01aWS_mean vs Slug



Right In: 5930.405+/-34.087 χ^2/NDF : 91132.6/32

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -5267.311+/-32.725 χ^2/NDF : 139759.3/35

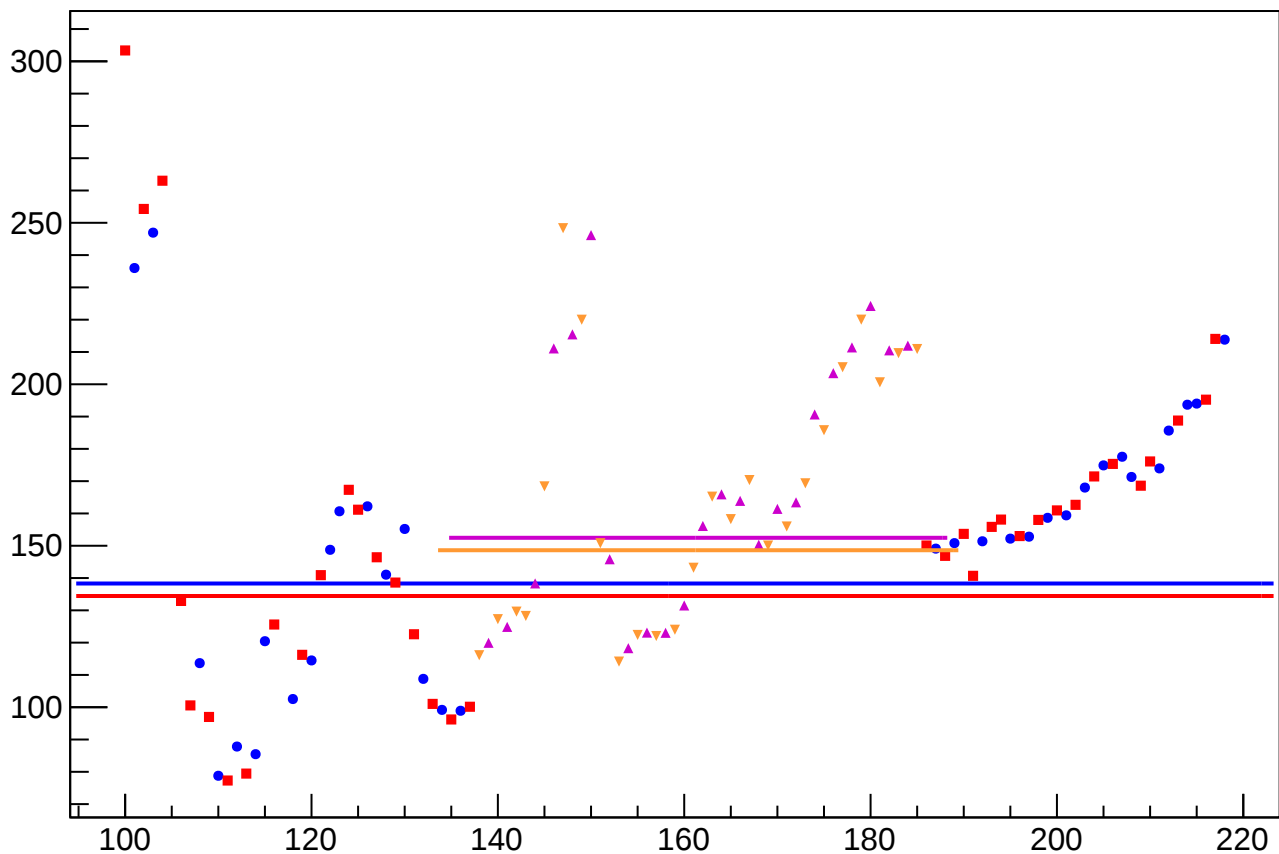
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 1831.778+/-24.674 χ^2/NDF : 178326.2/57

All: 1124.224+/-17.483 χ^2/NDF : 419540.0/11

- sign 410.845+/-24.776 χ^2/NDF : 239562.5/58

asym_bpm0i01aWS_rms vs Slug



Right In: 138.309 $\pm$ 0.024 χ^2 /NDF: 2691691.9/32

Left Out: 148.611 $\pm$ 0.025 χ^2 /NDF:1685424.1/24

Right Out: 134.439 $\pm$ 0.023 χ^2 /NDF: 2907347.2/35

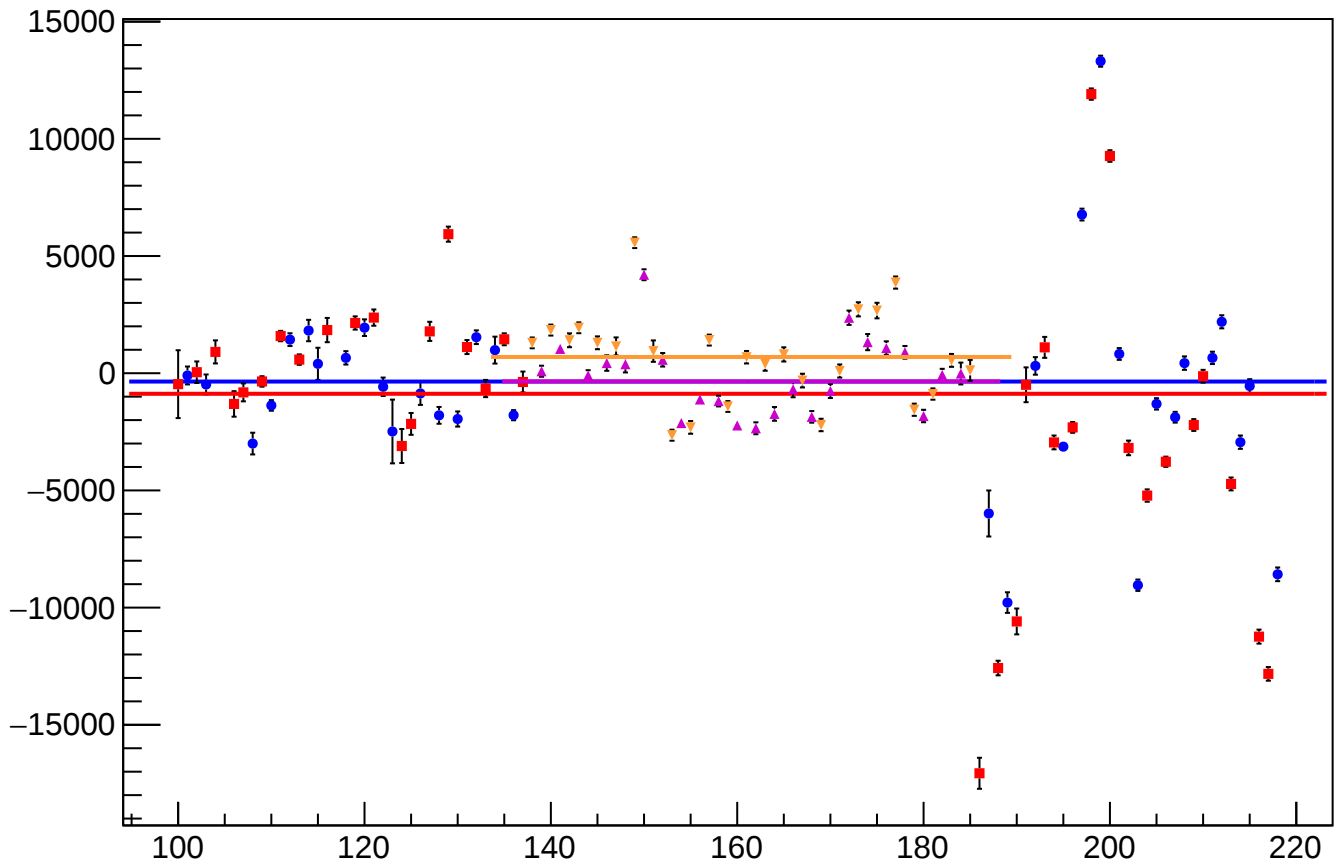
Left In: 152.463 $\pm$ 0.027 χ^2 /NDF:1691517.7/22

+ sign 143.213 $\pm$ 0.017 χ^2 /NDF: 4464075.7/57

All: 142.674 $\pm$ 0.012 χ^2 /NDF: 9323791.6/116

- sign 142.132 $\pm$ 0.018 χ^2 /NDF: 4857806.3/58

asym_bpm0l01WS_mean vs Slug



Right In: -355.401 ± 53.100 $\chi^2/\text{NDF}: 7486.0/32$

Left Out: 692.998 ± 54.303 $\chi^2/\text{NDF}: 1422.0/24$

Right Out: -877.450 ± 52.458 $\chi^2/\text{NDF}: 11584.1/35$

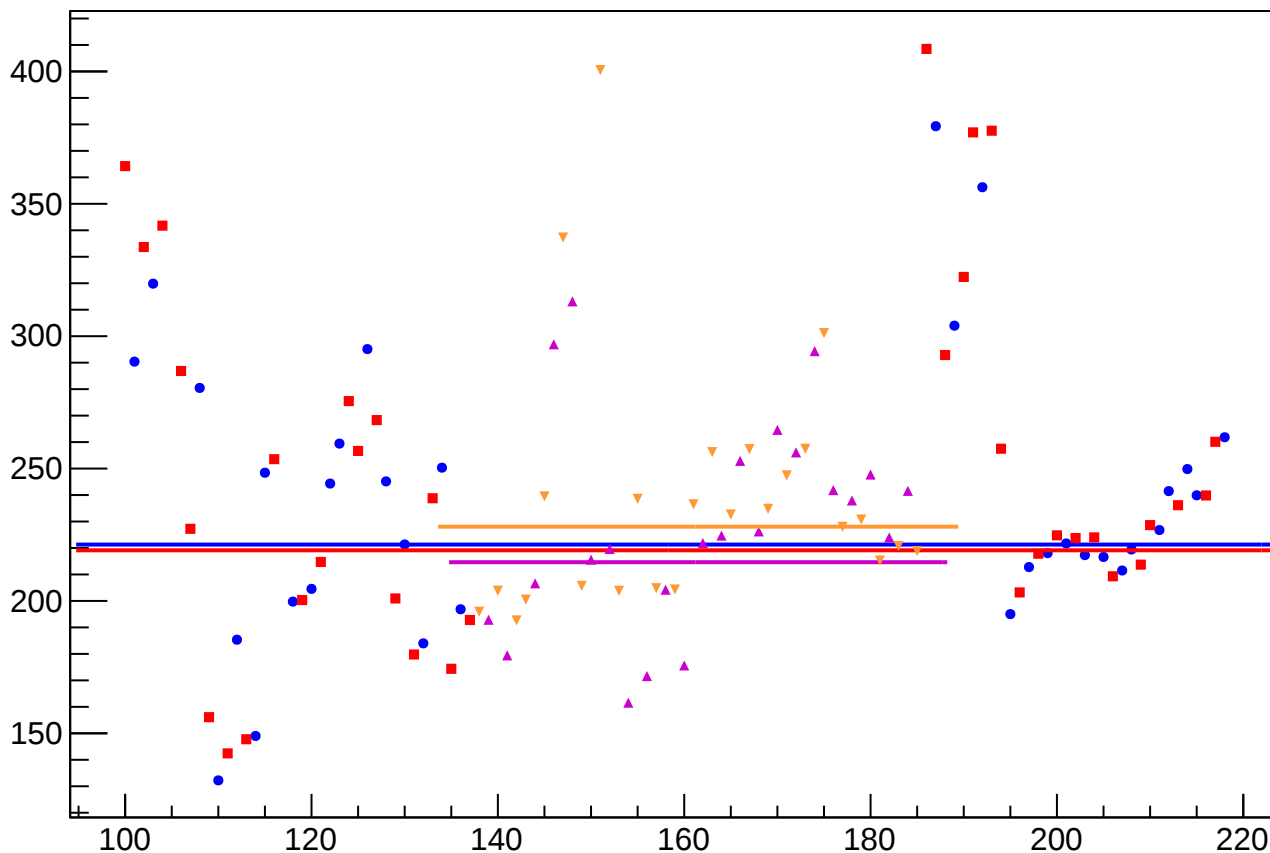
Left In: -349.623 ± 53.094 $\chi^2/\text{NDF}: 981.0/22$

+ sign 157.057 ± 37.966 $\chi^2/\text{NDF}: 9098.6/57$

All: -236.506 ± 26.613 $\chi^2/\text{NDF}: 21924.9/116$

- sign -616.717 ± 37.316 $\chi^2/\text{NDF}: 12615.1/58$

asym_bpm0l01WS_rms vs Slug



Right In: 221.293+/-0.038 χ^2/NDF : 1242291.0/32

Left Out: 228.061+/-0.038 χ^2/NDF : 826343.8/24

Right Out: 219.125+/-0.037 χ^2/NDF : 1889282.4/35

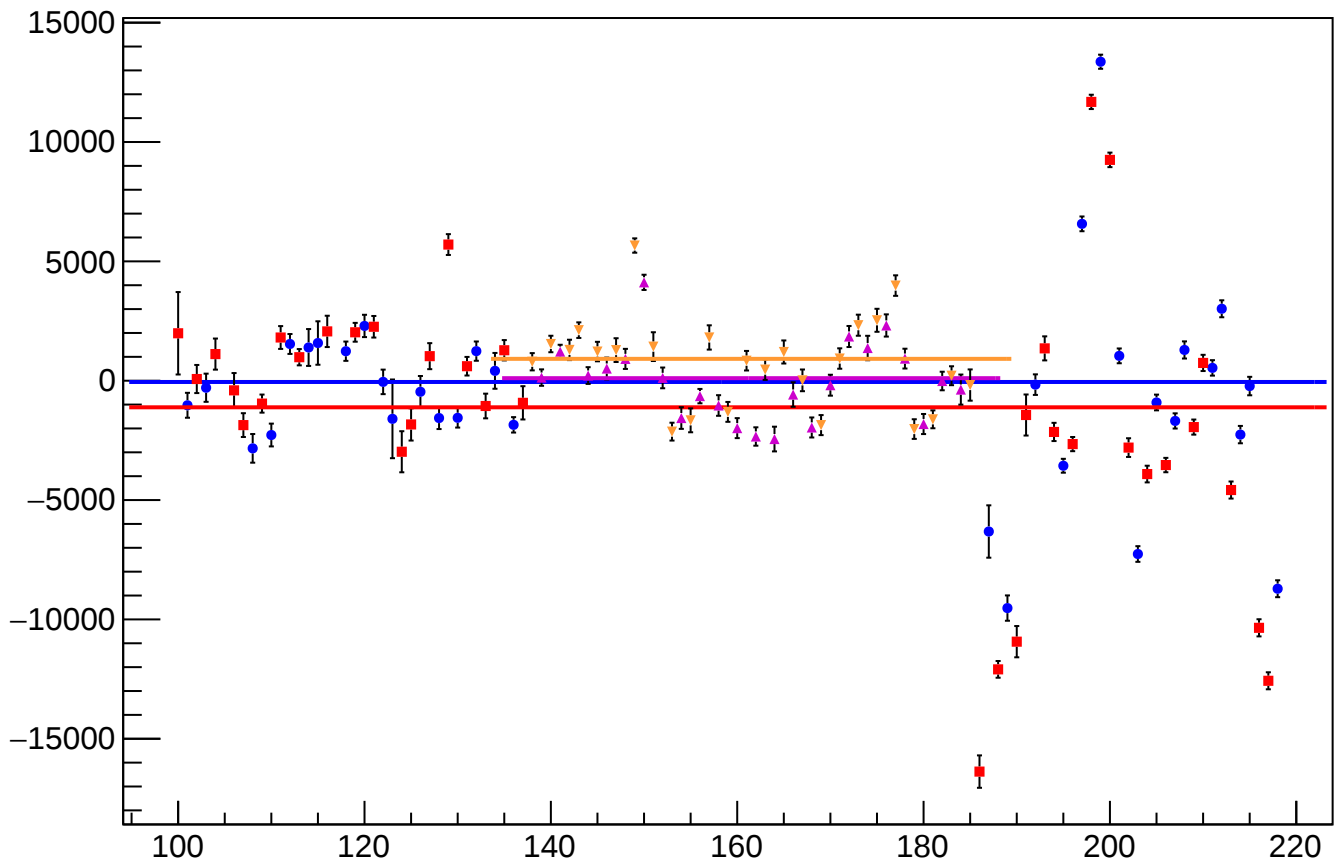
Left In: 214.627+/-0.038 χ^2/NDF : 1025683.3/22

+ sign 224.601+/-0.027 χ^2/NDF : 2084515.6/57

All: 220.686+/-0.019 χ^2/NDF : 5048566.6/116

- sign 216.903+/-0.026 χ^2/NDF : 2922228.8/58

asym_bpm0l02WS_mean vs Slug



Right In: -52.997 ± 71.170 $\chi^2/\text{NDF}: 4438.3/32$

Left Out: 915.968 ± 83.398 $\chi^2/\text{NDF}: 618.3/24$

Right Out: -1114.400 ± 70.530 $\chi^2/\text{NDF}: 7280.3/35$

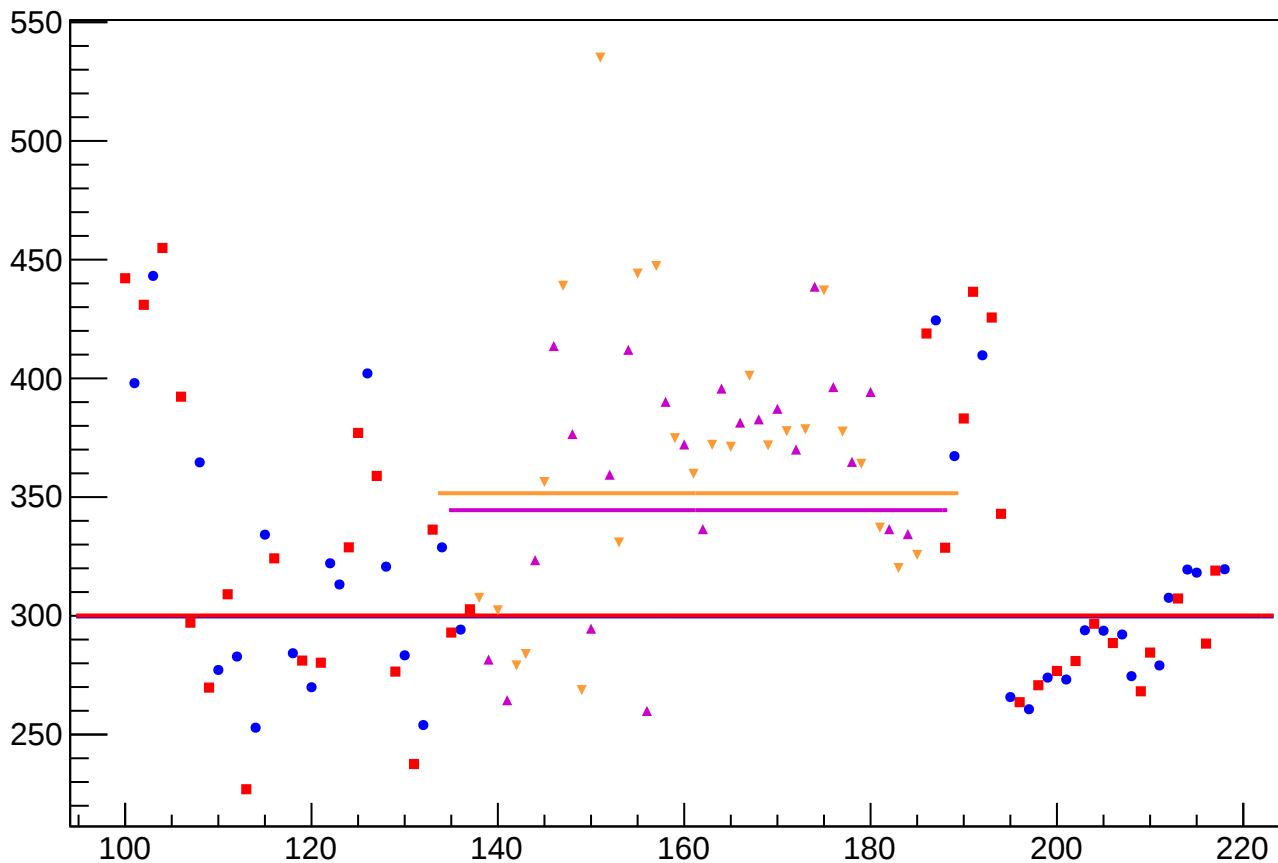
Left In: 106.116 ± 84.393 $\chi^2/\text{NDF}: 390.3/22$

+ sign 355.308 ± 54.137 $\chi^2/\text{NDF}: 5134.8/57$

All: -128.753 ± 38.274 $\chi^2/\text{NDF}: 13088.3/116$

- sign -612.487 ± 54.119 $\chi^2/\text{NDF}: 7793.7/58$

asym_bpm0l02WS_rms vs Slug



Right In: 299.735+/-0.050 χ^2/NDF : 645715.6/32

Left Out: 351.633+/-0.059 χ^2/NDF : 907849.3/24

Right Out: 300.138+/-0.050 χ^2/NDF : 902100.8/35

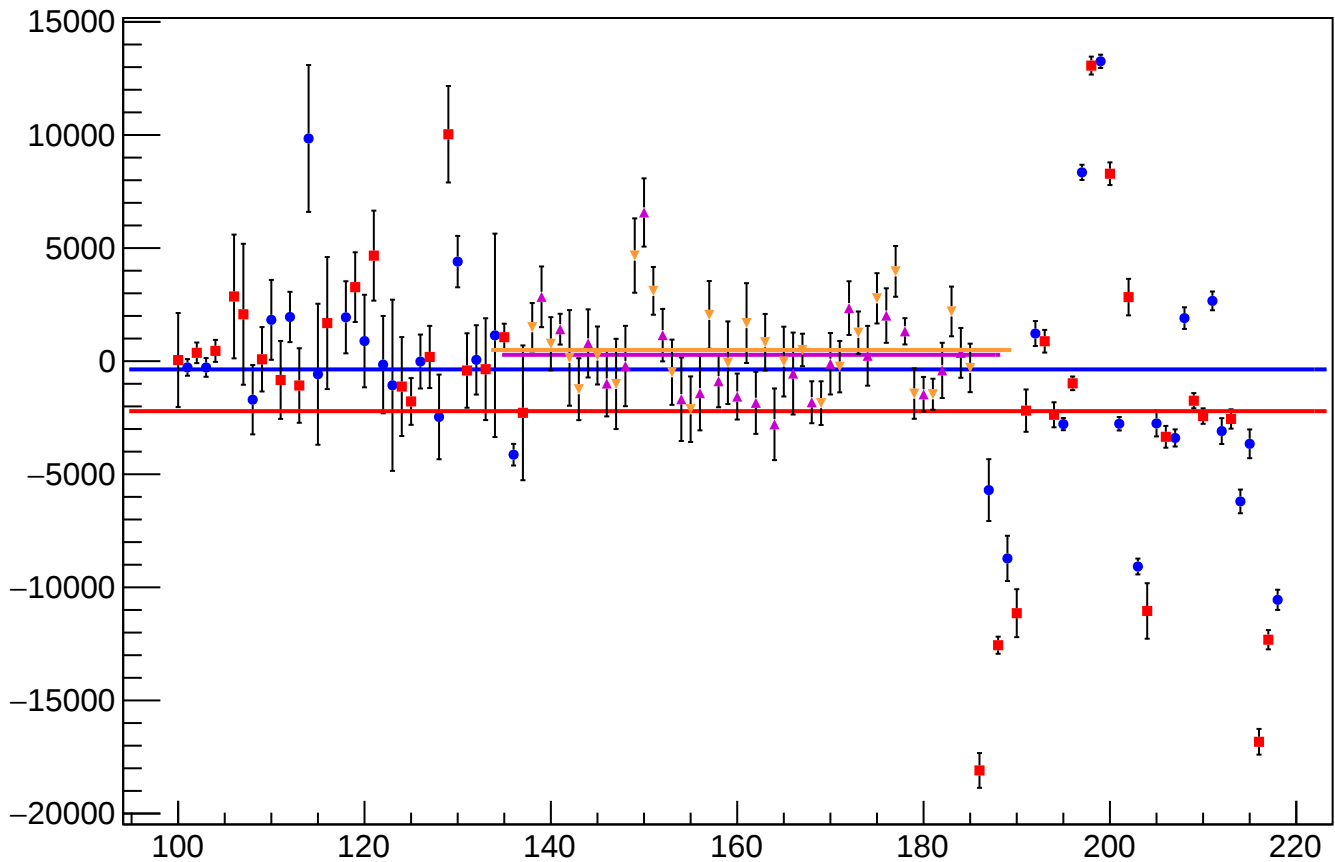
Left In: 344.491+/-0.060 χ^2/NDF : 768885.4/22

+ sign 321.604+/-0.038 χ^2/NDF : 2001696.0/57

All: 319.990+/-0.027 χ^2/NDF : 4001483.7/116

- sign 318.377+/-0.038 χ^2/NDF : 1996233.4/58

asym_bpm0l03WS_mean vs Slug



Right In: -364.404 ± 92.987 $\chi^2/\text{NDF}: 4635.4/32$

Left Out: 495.014 ± 231.058 $\chi^2/\text{NDF}: 56.2/24$

Right Out: -2209.653 ± 103.079 $\chi^2/\text{NDF}: 4716.1/35$

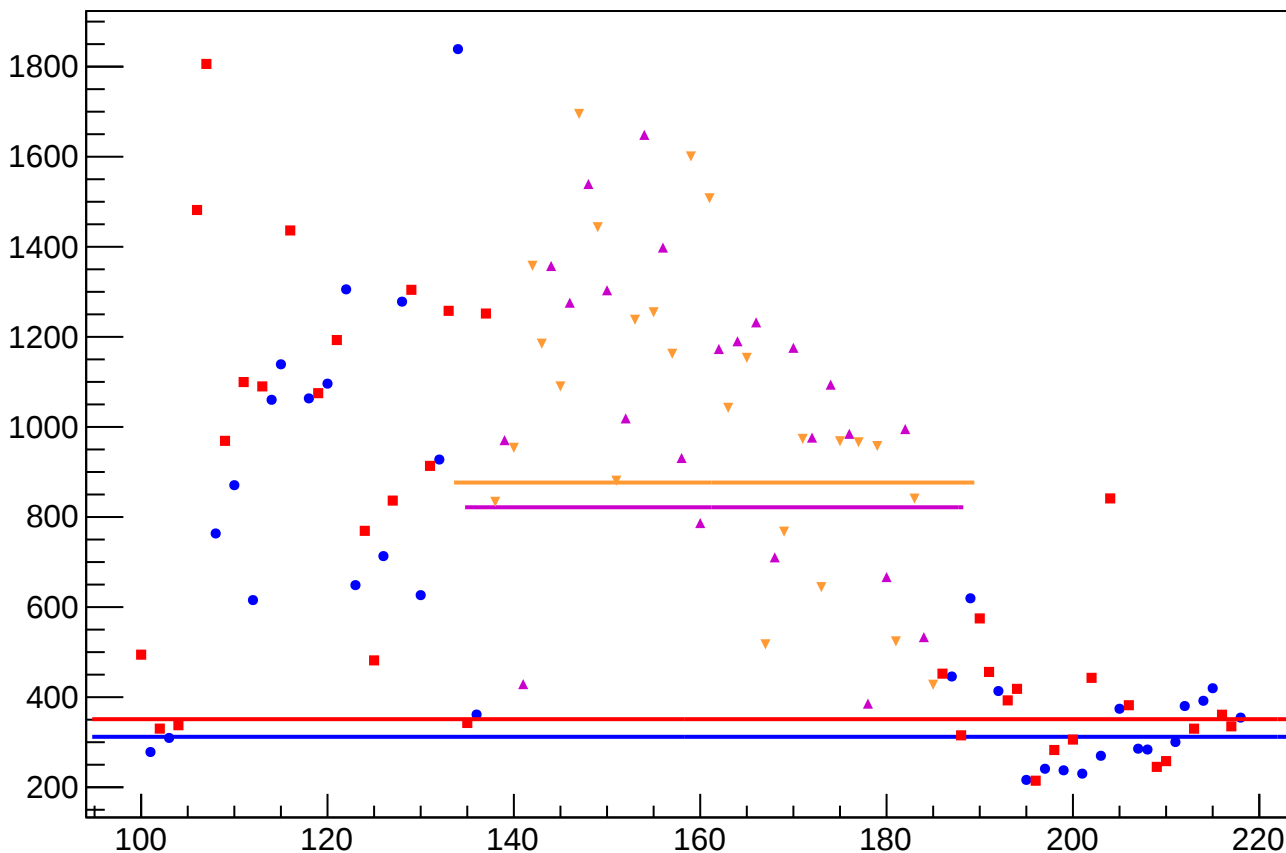
Left In: 280.692 ± 232.048 $\chi^2/\text{NDF}: 57.2/22$

+ sign -244.615 ± 86.264 $\chi^2/\text{NDF}: 4703.6/57$

All: -953.668 ± 63.619 $\chi^2/\text{NDF}: 9721.2/116$

- sign -1799.232 ± 94.202 $\chi^2/\text{NDF}: 4869.5/58$

asym_bpm0l03WS_rms vs Slug



Right In: 311.988 ± 0.066 $\chi^2/\text{NDF}: 4576110.7/32$

Left Out: 876.560 ± 0.163 $\chi^2/\text{NDF}: 3434698.7/24$

Right Out: 351.121 ± 0.073 $\chi^2/\text{NDF}: 5926264.6/35$

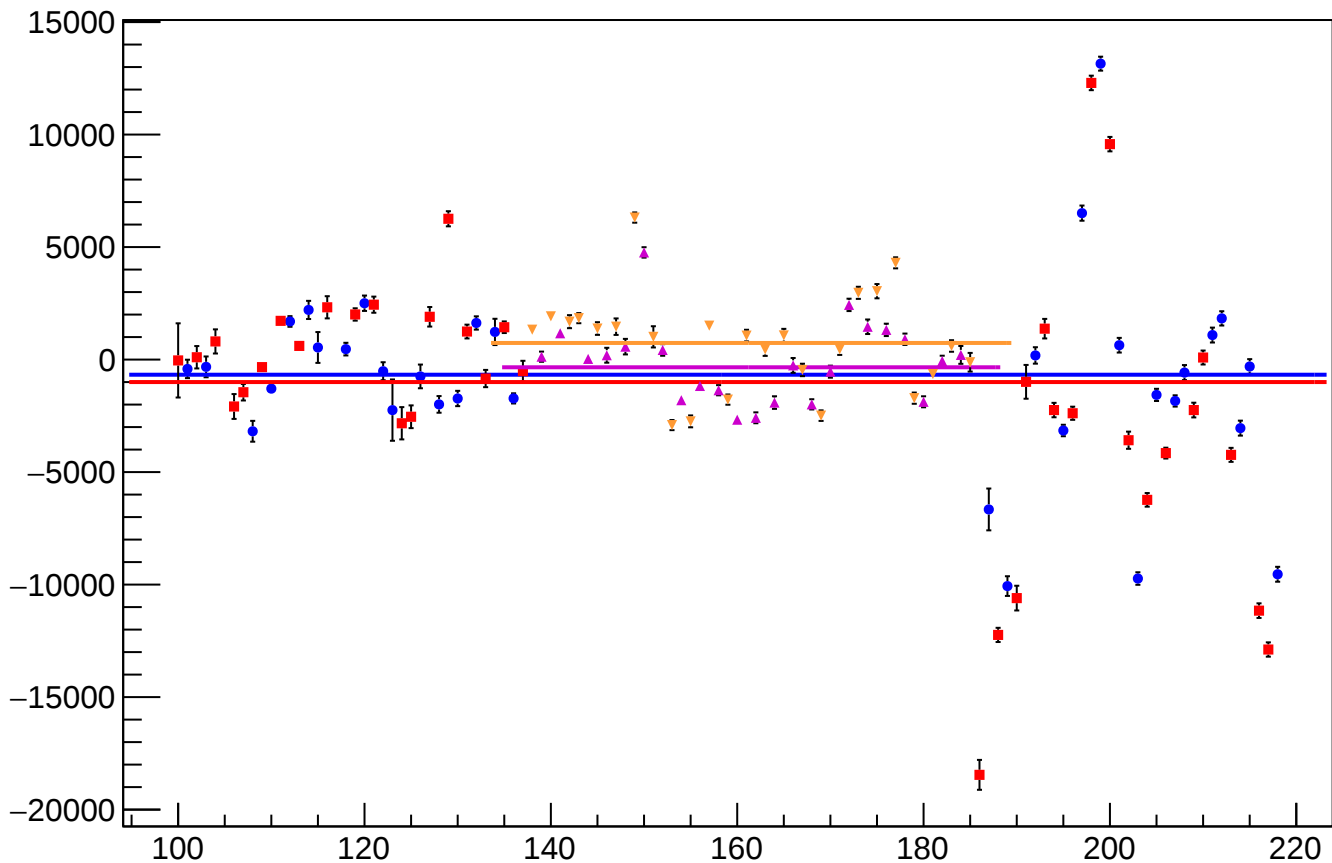
Left In: 821.657 ± 0.164 $\chi^2/\text{NDF}: 4443094.2/22$

+ sign 390.681 ± 0.061 $\chi^2/\text{NDF}: 18287078.7/57$

All: 408.006 ± 0.045 $\chi^2/\text{NDF}: 35701635.9/11$

- sign 428.668 ± 0.067 $\chi^2/\text{NDF}: 17237665.2/58$

asym_bpm0l04WS_mean vs Slug



Right In: -672.819 ± 57.504 χ^2/NDF : 5418.2/32

Left Out: 738.847 ± 51.649 χ^2/NDF : 1935.2/24

Right Out: -998.872 ± 55.461 χ^2/NDF : 9355.8/35

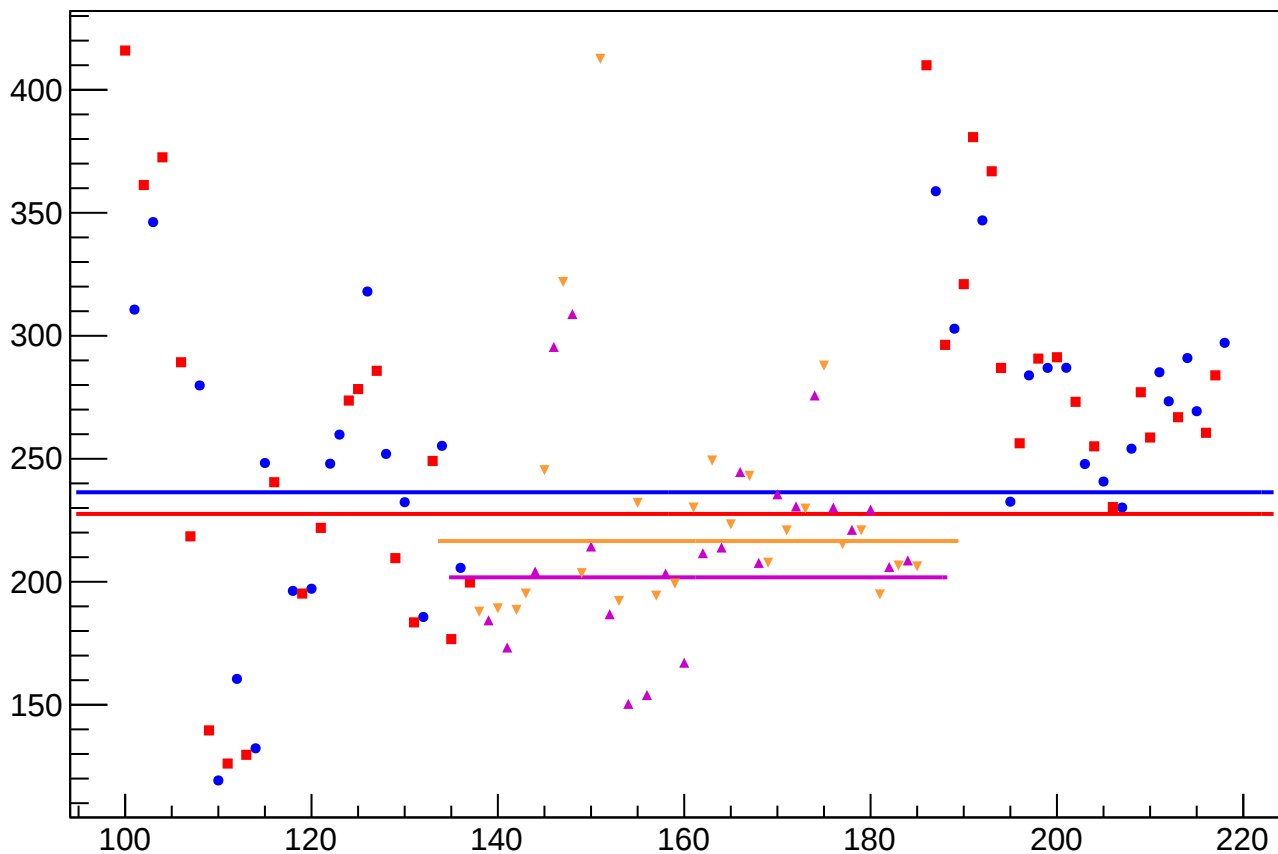
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 108.514 ± 38.425 χ^2/NDF : 7686.9/57

All: -276.803 ± 26.710 χ^2/NDF : 18569.4/116

- sign -637.059 ± 37.154 χ^2/NDF : 10687.9/58

asym_bpm0l04WS_rms vs Slug



Right In: 236.394 ± 0.041 $\chi^2/\text{NDF}: 2036456.1/32$

Left Out: 216.574 ± 0.037 $\chi^2/\text{NDF}: 886214.1/24$

Right Out: 227.587 ± 0.039 $\chi^2/\text{NDF}: 3047924.9/35$

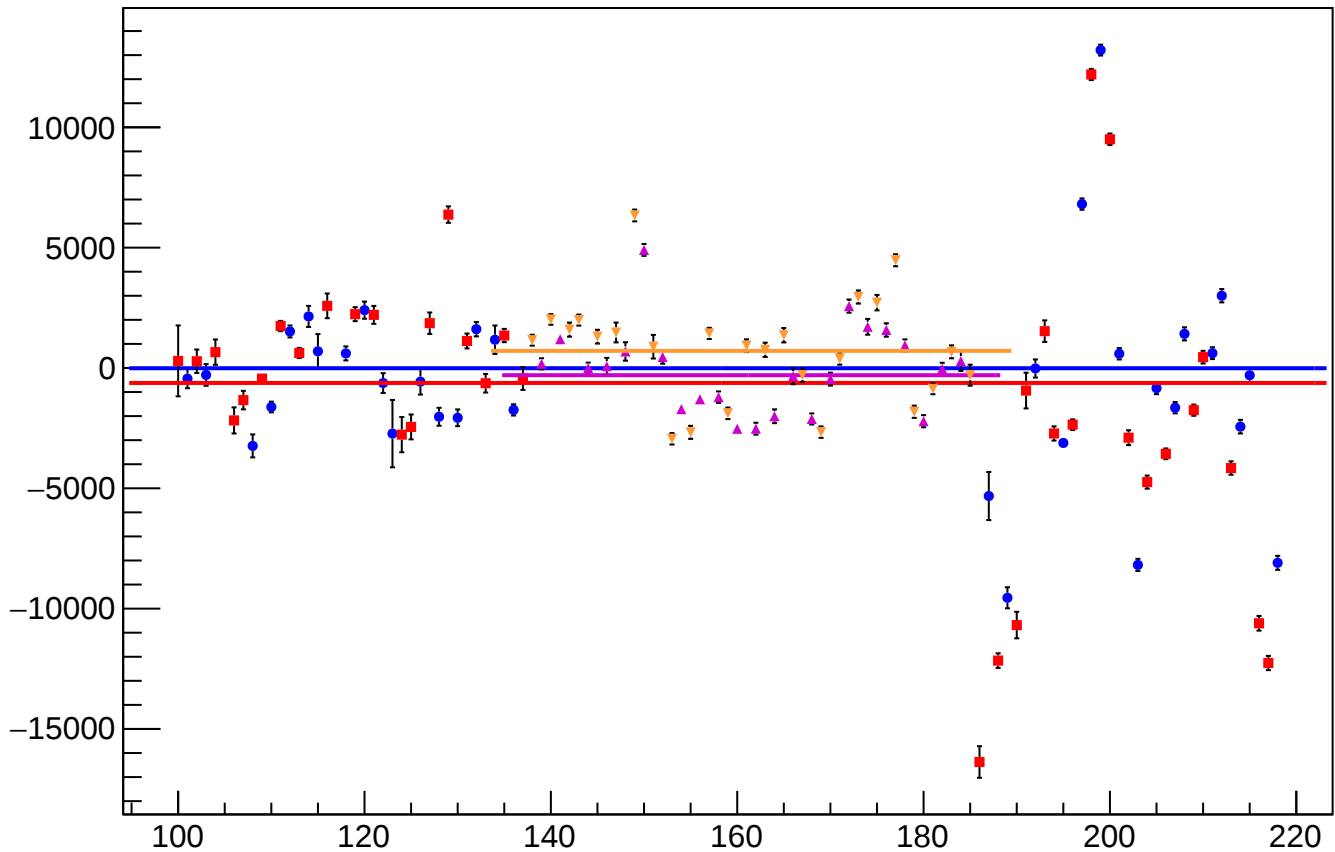
Left In: 201.805 ± 0.035 $\chi^2/\text{NDF}: 1087243.4/22$

+ sign 225.424 ± 0.027 $\chi^2/\text{NDF}: 3054181.3/57$

All: 219.198 ± 0.019 $\chi^2/\text{NDF}: 7529195.9/116$

- sign 213.376 ± 0.026 $\chi^2/\text{NDF}: 4373398.7/58$

asym_bpm0l05WS_mean vs Slug



Right In: -11.059 ± 53.007 $\chi^2/\text{NDF}: 7479.0/32$

Left Out: 711.174 ± 53.245 $\chi^2/\text{NDF}: 1835.3/24$

Right Out: -622.818 ± 52.279 $\chi^2/\text{NDF}: 11537.0/35$

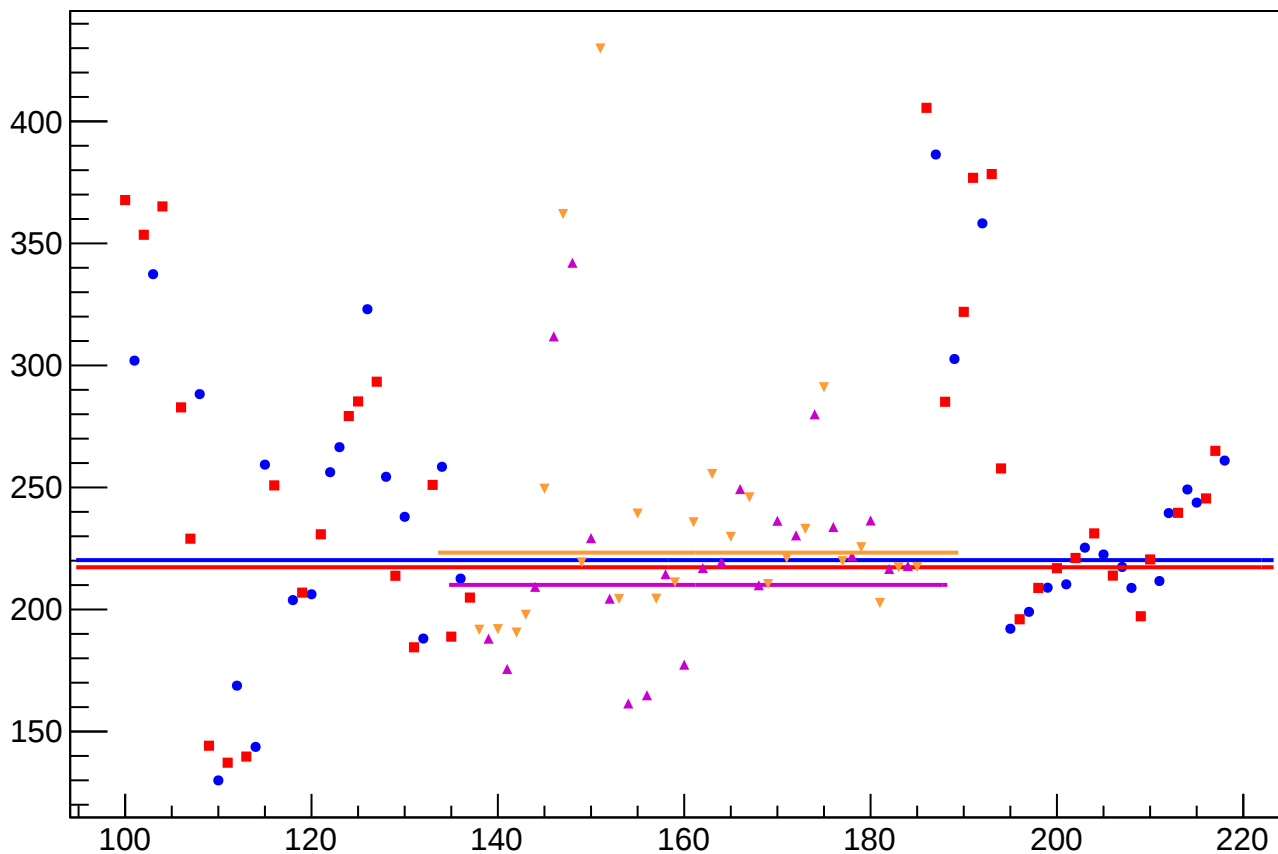
Left In: -300.516 ± 51.984 $\chi^2/\text{NDF}: 1208.6/22$

+ sign 348.440 ± 37.565 $\chi^2/\text{NDF}: 9406.7/57$

All: -63.802 ± 26.311 $\chi^2/\text{NDF}: 22407.8/116$

- sign -460.754 ± 36.862 $\chi^2/\text{NDF}: 12764.7/58$

asym_bpm0l05WS_rms vs Slug



Right In: 220.233 ± 0.037 $\chi^2/\text{NDF}: 1441933.6/32$

Left Out: 223.296 ± 0.038 $\chi^2/\text{NDF}: 922768.4/24$

Right Out: 217.308 ± 0.037 $\chi^2/\text{NDF}: 2194486.6/35$

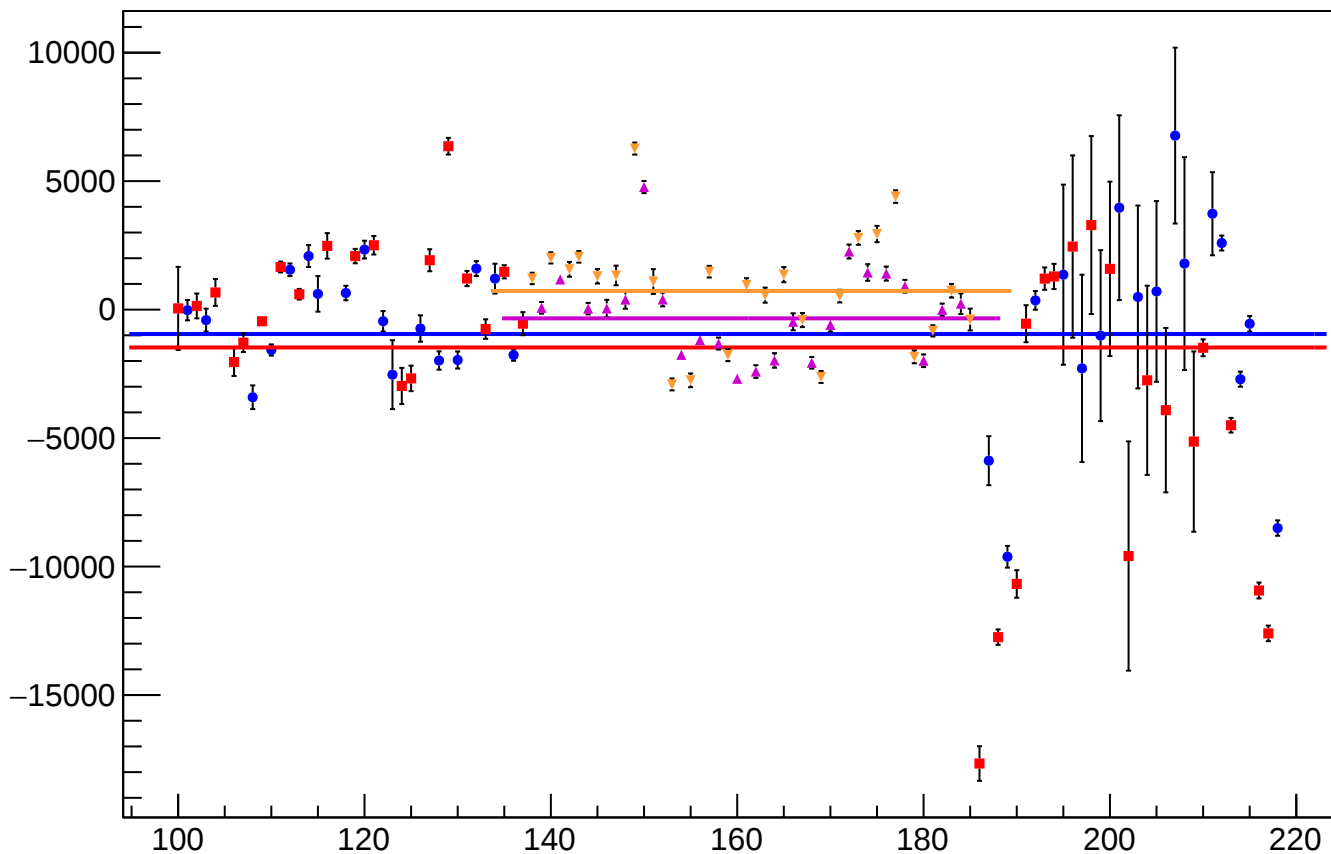
Left In: 210.080 ± 0.037 $\chi^2/\text{NDF}: 1015274.5/22$

+ sign 221.758 ± 0.027 $\chi^2/\text{NDF}: 2368027.1/57$

All: 217.639 ± 0.019 $\chi^2/\text{NDF}: 5644200.3/116$

- sign 213.674 ± 0.026 $\chi^2/\text{NDF}: 3228985.9/58$

asym_bpm0l06WS_mean vs Slug



Right In: -950.232 ± 69.711 χ^2/NDF : 1750.9/32

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: -1473.433 ± 63.627 χ^2/NDF : 6354.3/35

Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 124.316 ± 41.763 χ^2/NDF : 4034.3/57

All: -351.545 ± 28.774 χ^2/NDF : 12031.2/116

- sign -781.568 ± 39.700 χ^2/NDF : 7749.7/58

asym_bpm0l06WS_rms vs Slug



Right In: 234.446 $\pm$ 0.049 χ^2 /NDF: 12199261.0/32

Left Out: 218.768 $\pm$ 0.037 χ^2 /NDF: 896914.5/24

Right Out: 222.945 $\pm$ 0.045 χ^2 /NDF: 11564304.9/35

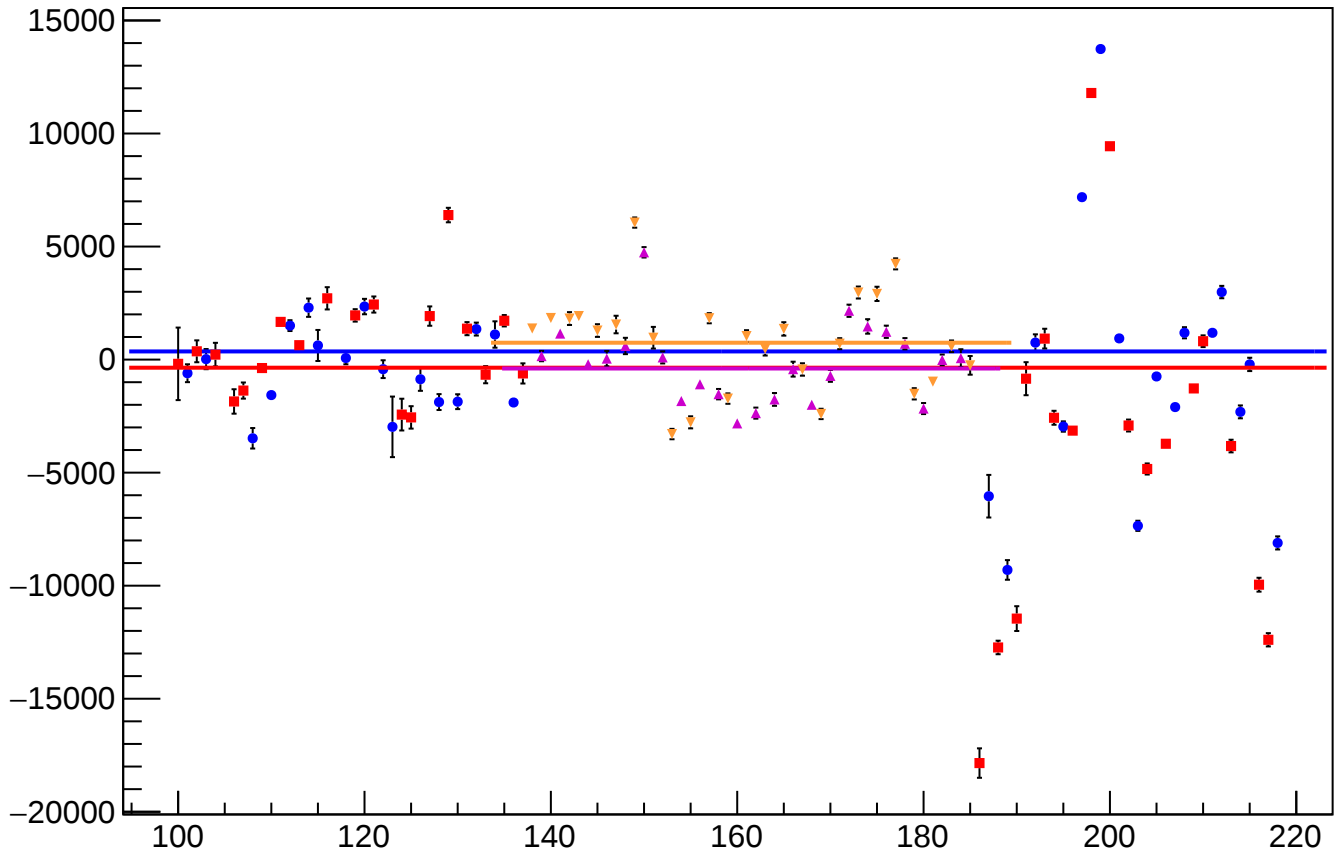
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 224.395 $\pm$ 0.030 χ^2 /NDF: 13161029.5/57

All: 217.957 $\pm$ 0.020 χ^2 /NDF: 25907474.7/11

- sign 212.138 $\pm$ 0.028 χ^2 /NDF: 12655950.6/58

asym_bpm0l07WS_mean vs Slug



Right In: 361.086 ± 49.644 $\chi^2/\text{NDF}: 9527.6/32$

Left Out: 746.405 ± 51.592 $\chi^2/\text{NDF}: 1942.1/24$

Right Out: -358.671 ± 49.109 $\chi^2/\text{NDF}: 13397.4/35$

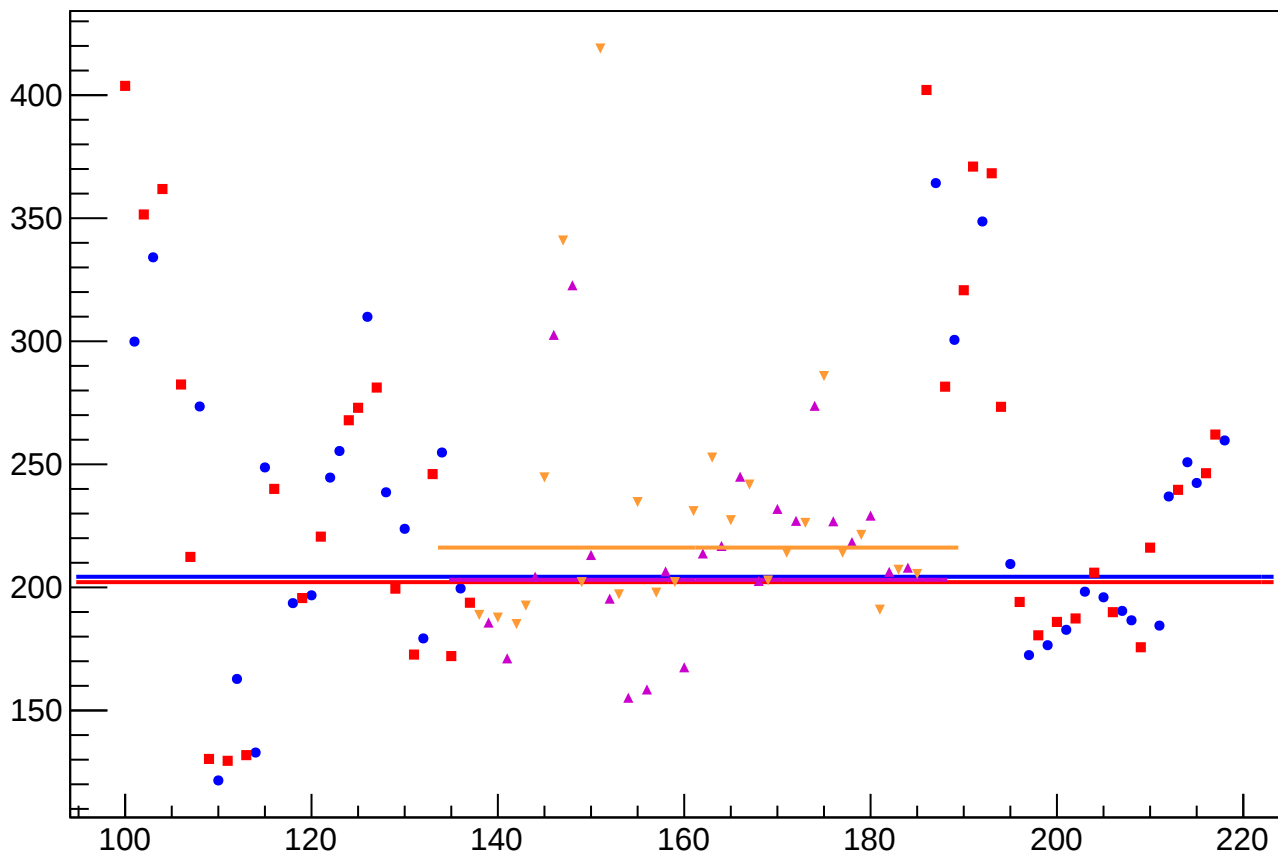
Left In: -394.379 ± 50.311 $\chi^2/\text{NDF}: 1236.4/22$

+ sign 546.335 ± 35.772 $\chi^2/\text{NDF}: 11498.6/57$

All: 76.933 ± 25.069 $\chi^2/\text{NDF}: 26471.0/116$

- sign -376.093 ± 35.143 $\chi^2/\text{NDF}: 14634.0/58$

asym_bpm0l07WS_rms vs Slug



Right In: 204.320 $\pm$ 0.035 χ^2 /NDF: 1751339.8/32

Left Out: 216.178 $\pm$ 0.036 χ^2 /NDF: 946050.8/24

Right Out: 202.137 $\pm$ 0.035 χ^2 /NDF: 2649831.4/35

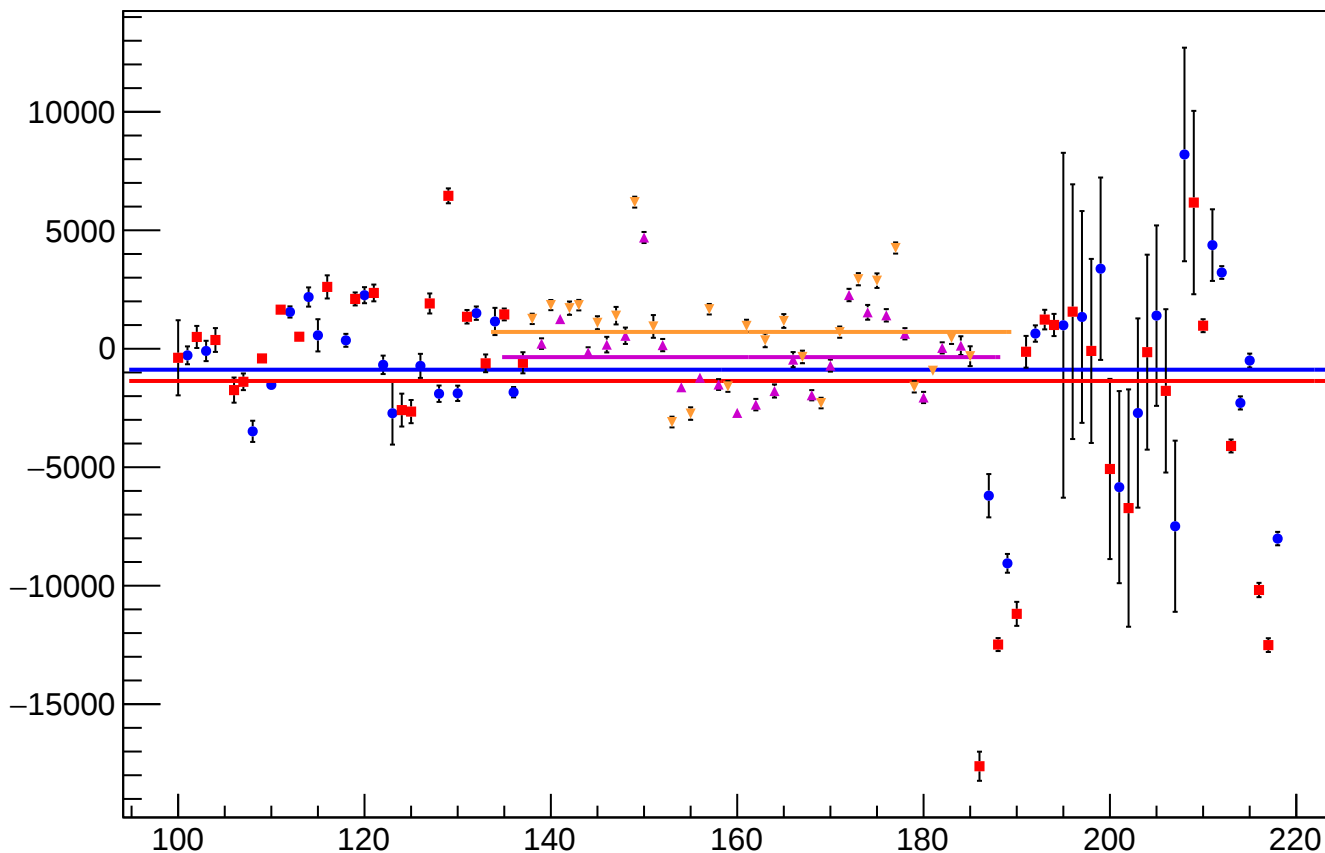
Left In: 203.101 $\pm$ 0.036 χ^2 /NDF: 1038013.0/22

+ sign 210.021 $\pm$ 0.025 χ^2 /NDF: 2752248.1/57

All: 206.248 $\pm$ 0.018 χ^2 /NDF: 6484179.0/116

- sign 202.607 $\pm$ 0.025 χ^2 /NDF: 3688219.9/58

asym_bpm0l08WS_mean vs Slug



Right In: -883.802 ± 67.036 χ^2/NDF : 1841.6/32

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: -1359.663 ± 60.678 χ^2/NDF : 6915.2/35

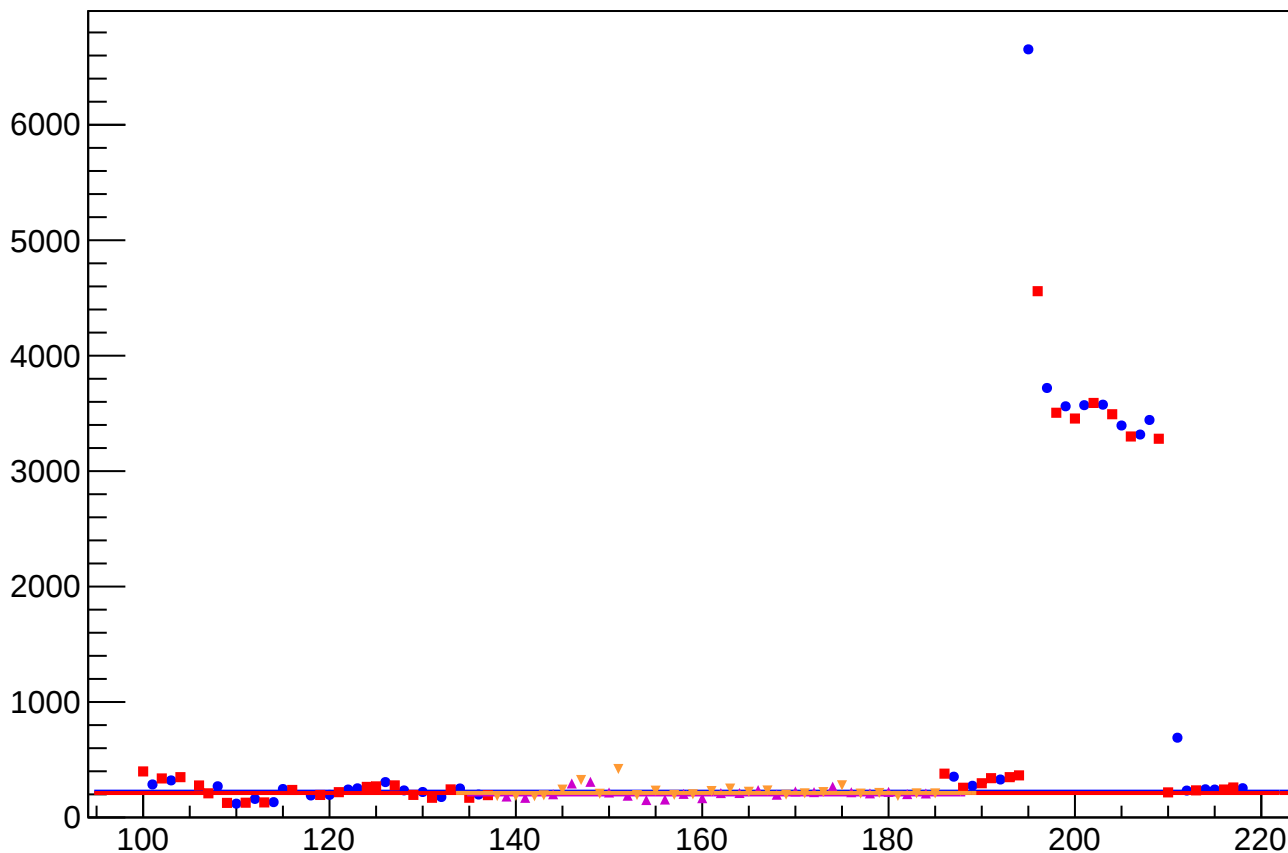
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 129.476 ± 40.463 χ^2/NDF : 4133.3/57

All: -336.371 ± 27.804 χ^2/NDF : 12698.7/116

- sign -753.102 ± 38.270 χ^2/NDF : 8314.2/58

asym_bpm0l08WS_rms vs Slug



Right In: 223.578+/-0.047 χ^2/NDF : 12554739.5/32

Left Out: 212.718+/-0.036 χ^2/NDF : 916225.9/24

Right Out: 211.546+/-0.043 χ^2/NDF : 11811589.0/35

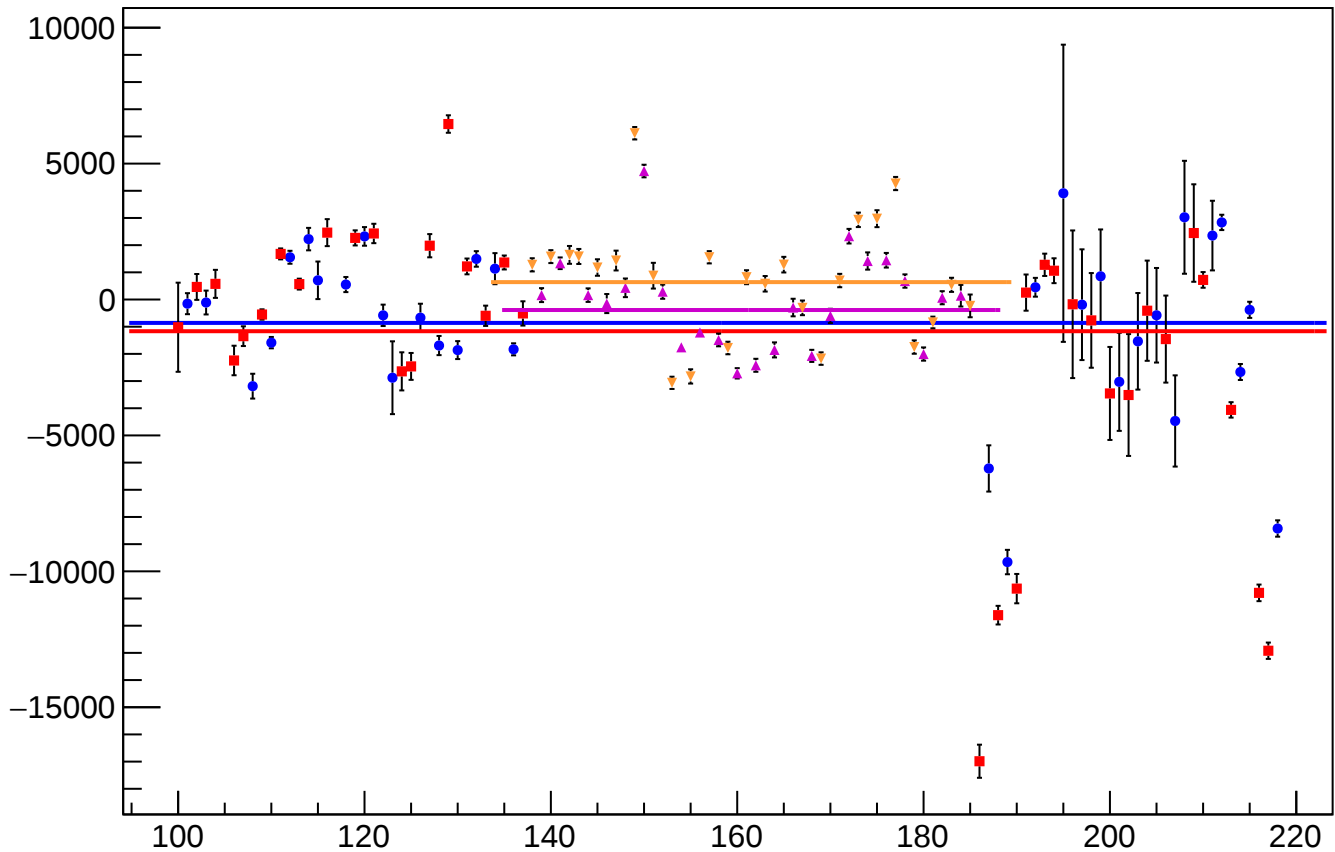
Left In: 199.142+/-0.035 χ^2/NDF : 985932.4/22

+ sign 216.675+/-0.029 χ^2/NDF : 13504329.6/57

All: 210.025+/-0.020 χ^2/NDF : 26454526.0/11

- sign 204.076+/-0.027 χ^2/NDF : 12847854.9/58

asym_bpm0l09WS_mean vs Slug



Right In: -860.385 ± 68.327 $\chi^2/\text{NDF}: 1736.3/32$

Left Out: 639.995 ± 52.708 $\chi^2/\text{NDF}: 1859.2/24$

Right Out: -1166.278 ± 62.298 $\chi^2/\text{NDF}: 6068.9/35$

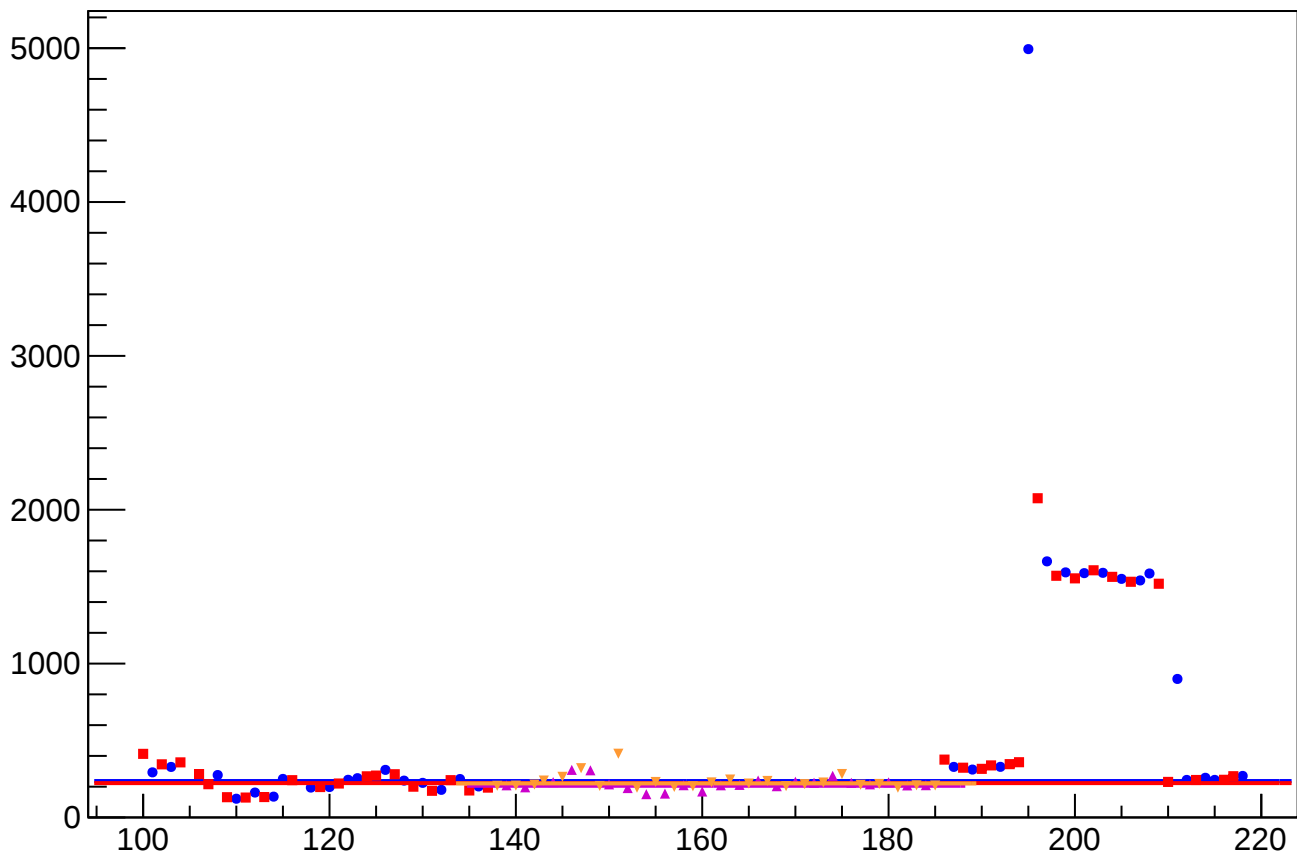
Left In: -386.248 ± 50.994 $\chi^2/\text{NDF}: 1238.0/22$

+ sign 80.246 ± 41.734 $\chi^2/\text{NDF}: 3897.8/57$

All: -331.287 ± 28.673 $\chi^2/\text{NDF}: 11482.8/116$

- sign -699.196 ± 39.460 $\chi^2/\text{NDF}: 7400.8/58$

asym_bpm0l09WS_rms vs Slug



Right In: 236.688 $\pm$ 0.048 χ^2 /NDF: 11320975.8/32

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

Right Out: 223.192 $\pm$ 0.044 χ^2 /NDF: 10234808.1/35

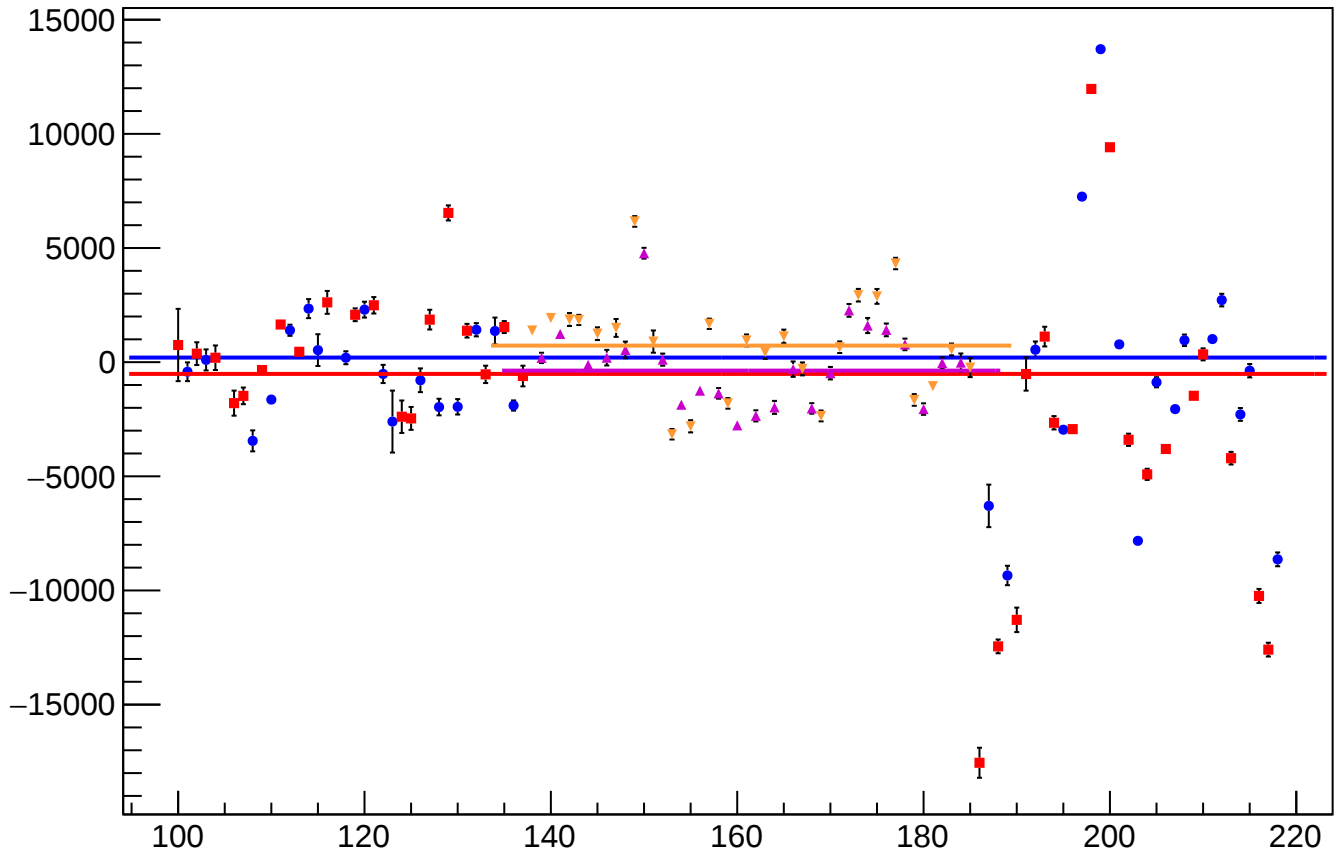
Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 227.102 $\pm$ 0.030 χ^2 /NDF: 12161596.7/57

All: 219.540 $\pm$ 0.020 χ^2 /NDF: 23608982.7/11

- sign 212.780 $\pm$ 0.028 χ^2 /NDF: 11323017.9/58

asym_bpm0l10WS_mean vs Slug



Right In: 201.299 $\pm$ 50.125 χ^2/NDF : 9493.4/32

Left Out: 725.250 $\pm$ 52.307 χ^2/NDF : 1883.1/24

Right Out: -514.868 $\pm$ 49.833 χ^2/NDF : 13035.7/35

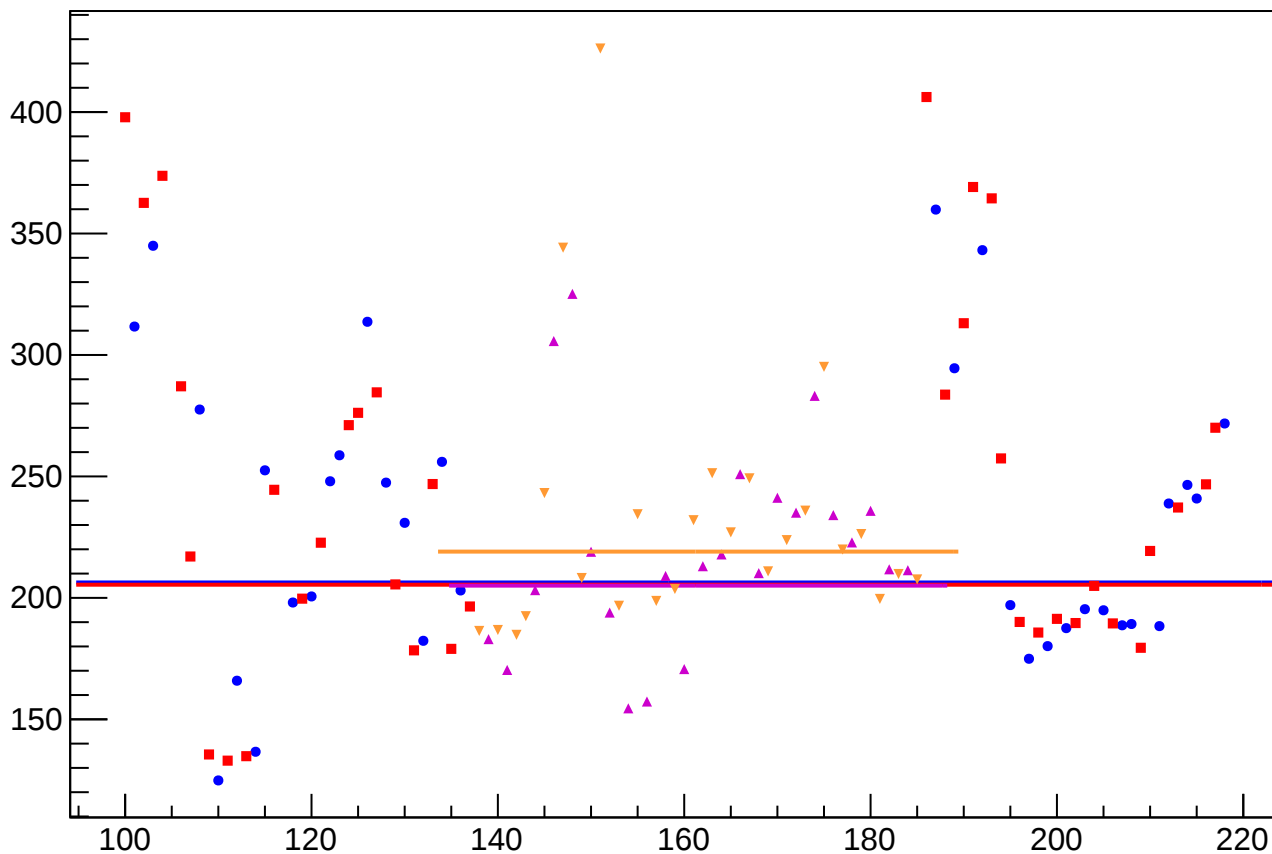
Left In: -370.408 $\pm$ 50.884 χ^2/NDF : 1223.2/22

+ sign 452.118 $\pm$ 36.191 χ^2/NDF : 11428.9/57

All: -3.346 $\pm$ 25.380 χ^2/NDF : 26003.5/116

- sign -444.146 $\pm$ 35.603 χ^2/NDF : 14262.9/58

asym_bpm0l10WS_rms vs Slug



Right In: 206.335 $\pm$ 0.035 χ^2 /NDF: 1708858.5/32

Left Out: 219.049 $\pm$ 0.037 χ^2 /NDF: 975564.4/24

Right Out: 205.424 $\pm$ 0.035 χ^2 /NDF: 2492405.3/35

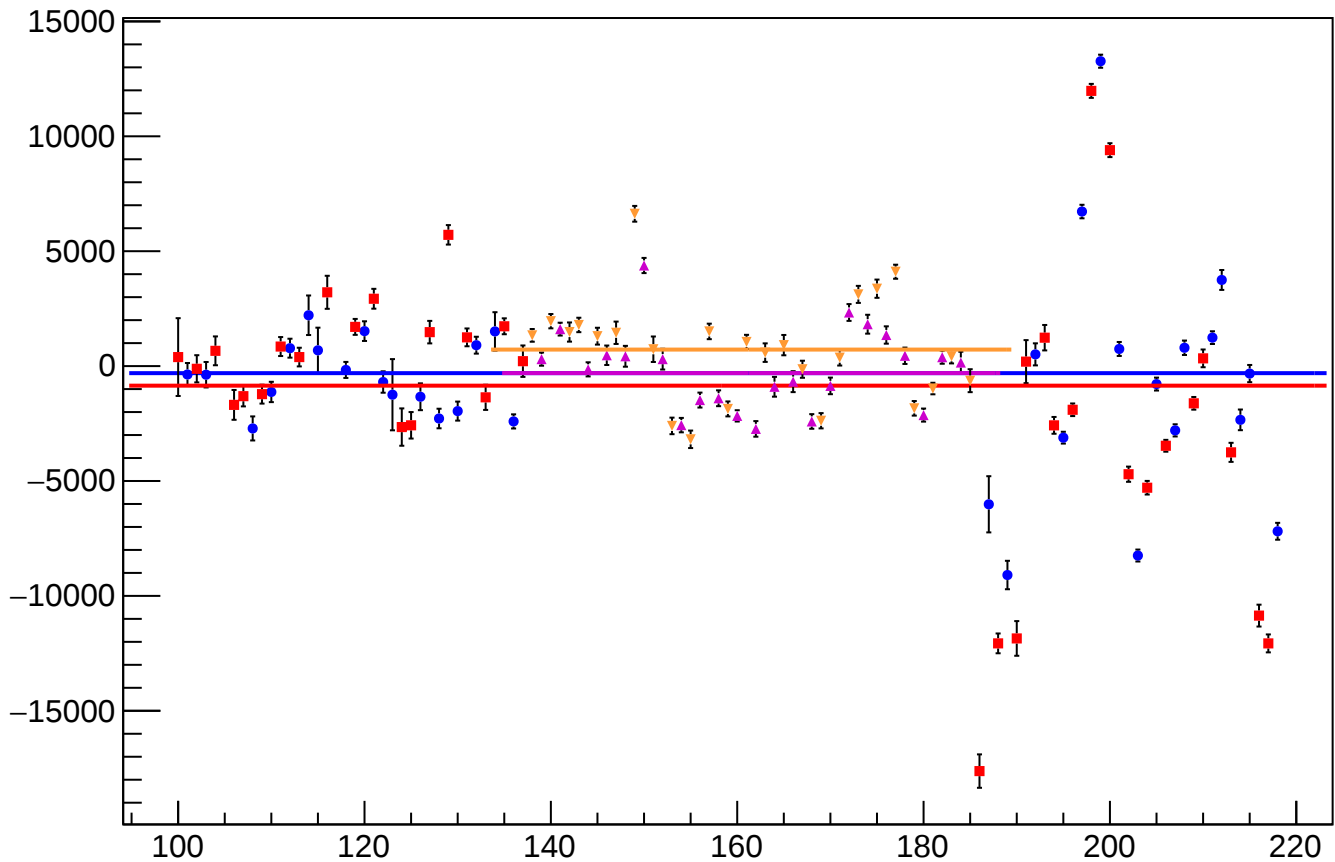
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF: 1144197.1/22

+ sign 212.421 $\pm$ 0.026 χ^2 /NDF: 2746015.8/57

All: 208.771 $\pm$ 0.018 χ^2 /NDF: 6422697.5/116

- sign 205.239 $\pm$ 0.025 χ^2 /NDF: 3636658.7/58

asym_bpm0r03WS_mean vs Slug



Right In: -306.894 ± 66.837 $\chi^2/\text{NDF}: 4892.0/32$

Left Out: 718.705 ± 69.601 $\chi^2/\text{NDF}: 1018.5/24$

Right Out: -851.383 ± 69.082 $\chi^2/\text{NDF}: 6764.1/35$

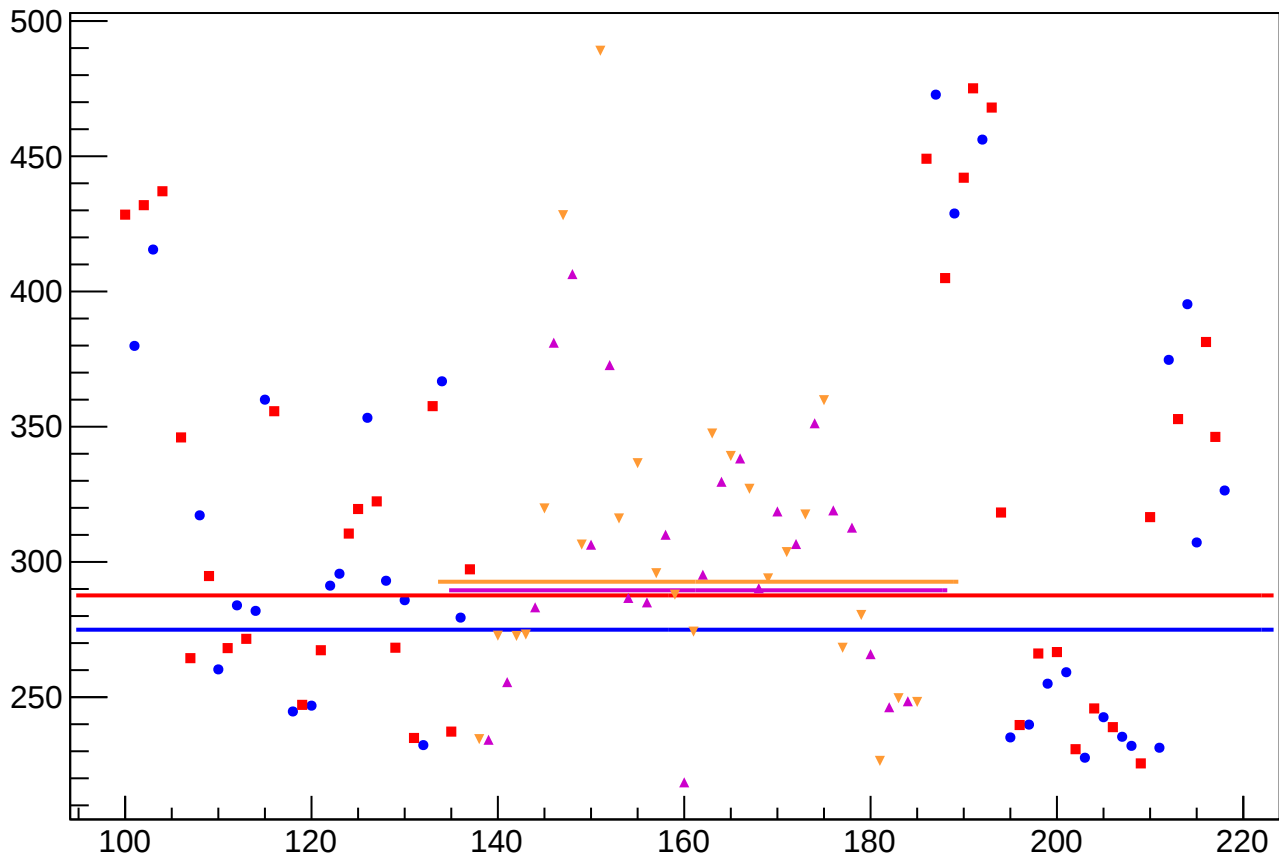
Left In: -304.161 ± 70.958 $\chi^2/\text{NDF}: 643.5/22$

+ sign 185.142 ± 48.208 $\chi^2/\text{NDF}: 6023.5/57$

All: -189.815 ± 34.535 $\chi^2/\text{NDF}: 13585.9/116$

- sign -585.102 ± 49.498 $\chi^2/\text{NDF}: 7438.1/58$

asym_bpm0r03WS_rms vs Slug



Right In: 274.946 $\pm$ 0.047 χ^2 /NDF: 1447910.0/32

Left Out: 292.686 $\pm$ 0.049 χ^2 /NDF: 925193.6/24

Right Out: 287.623 $\pm$ 0.049 χ^2 /NDF: 1632637.3/35

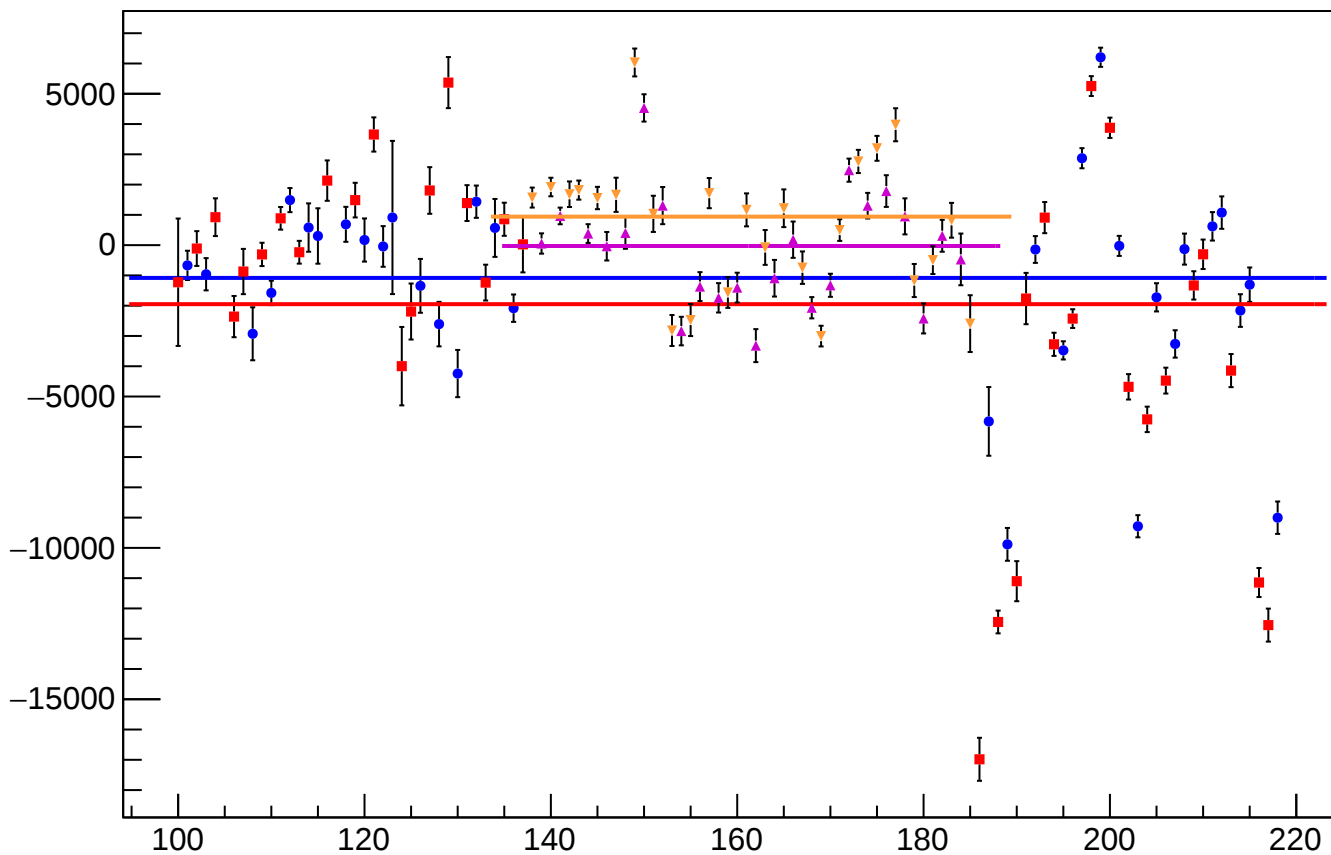
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 283.457 $\pm$ 0.034 χ^2 /NDF: 2440695.9/57

All: 285.935 $\pm$ 0.024 χ^2 /NDF: 4862822.9/116

- sign 288.547 $\pm$ 0.035 χ^2 /NDF: 2411273.4/58

asym_bpm0r05WS_mean vs Slug



Right In: -1082.422 ± 86.635 $\chi^2/\text{NDF}: 1935.5/32$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -1949.716 ± 83.642 $\chi^2/\text{NDF}: 3653.2/35$

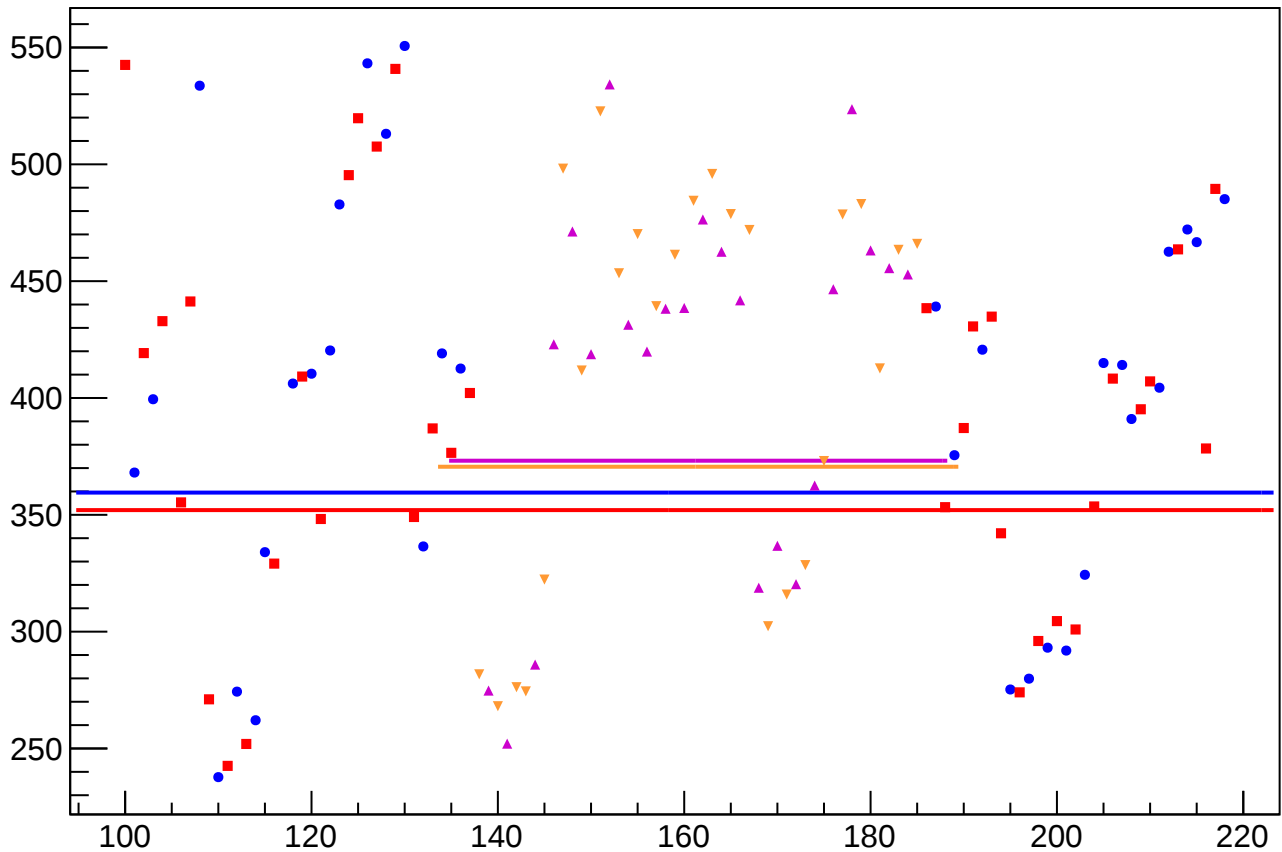
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign -99.014 ± 62.120 $\chi^2/\text{NDF}: 2745.3/57$

All: -592.251 ± 43.879 $\chi^2/\text{NDF}: 7124.8/116$

- sign -1083.409 ± 61.989 $\chi^2/\text{NDF}: 4253.7/58$

asym_bpm0r05WS_rms vs Slug



Right In: 359.516+/-0.061 χ^2/NDF : 1710145.5/32

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 352.020+/-0.059 χ^2/NDF : 1473824.9/35

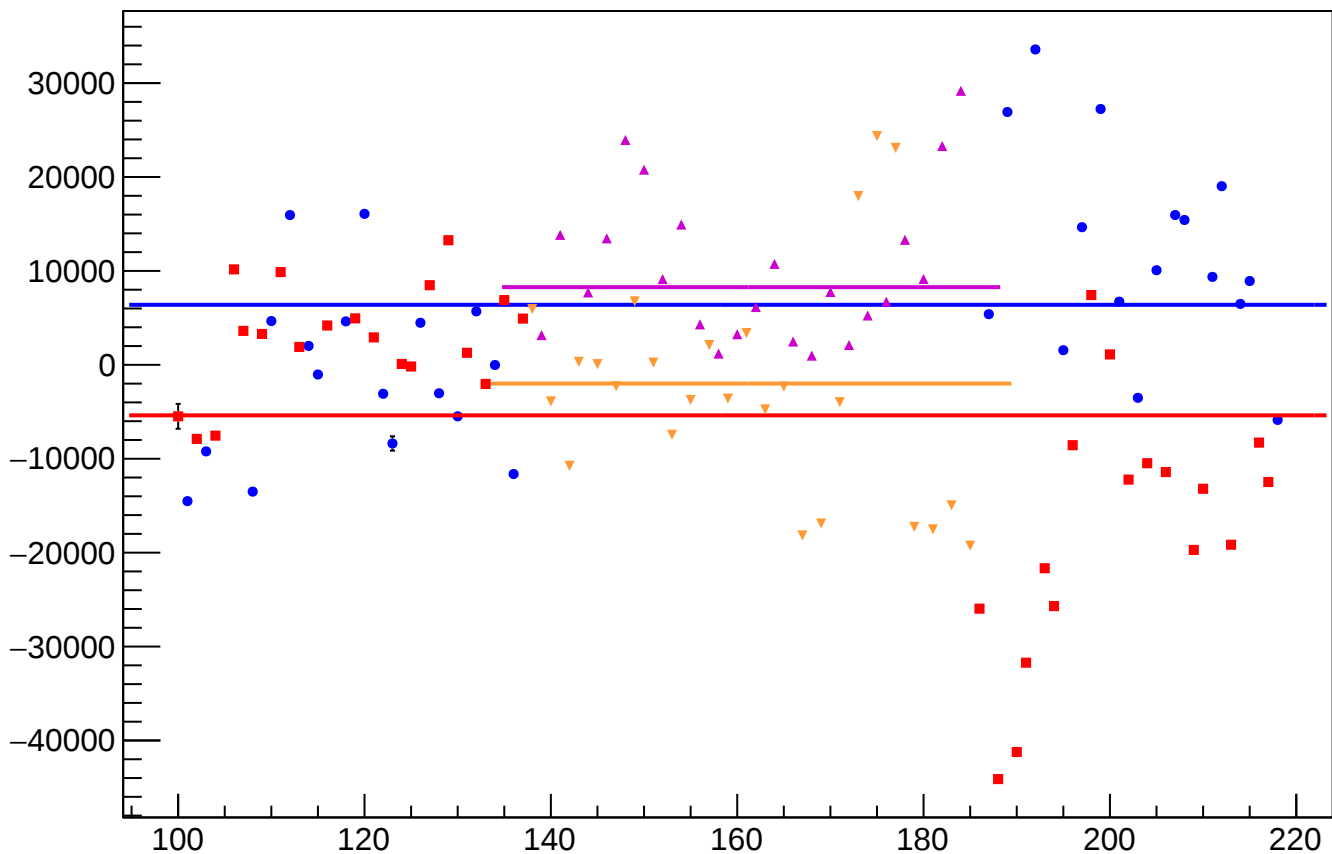
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 364.892+/-0.044 χ^2/NDF : 3604111.4/57

All: 363.217+/-0.031 χ^2/NDF : 6774674.8/116

- sign 361.549+/-0.044 χ^2/NDF : 3167661.7/58

asym_bpm0i02WS_mean vs Slug



Right In: 6390.764 ± 39.206 $\chi^2/\text{NDF}: 96018.3/32$

Left Out: -1991.788 ± 42.427 $\chi^2/\text{NDF}: 63766.6/24$

Right Out: -5377.673 ± 37.961 $\chi^2/\text{NDF}: 144907.7/35$

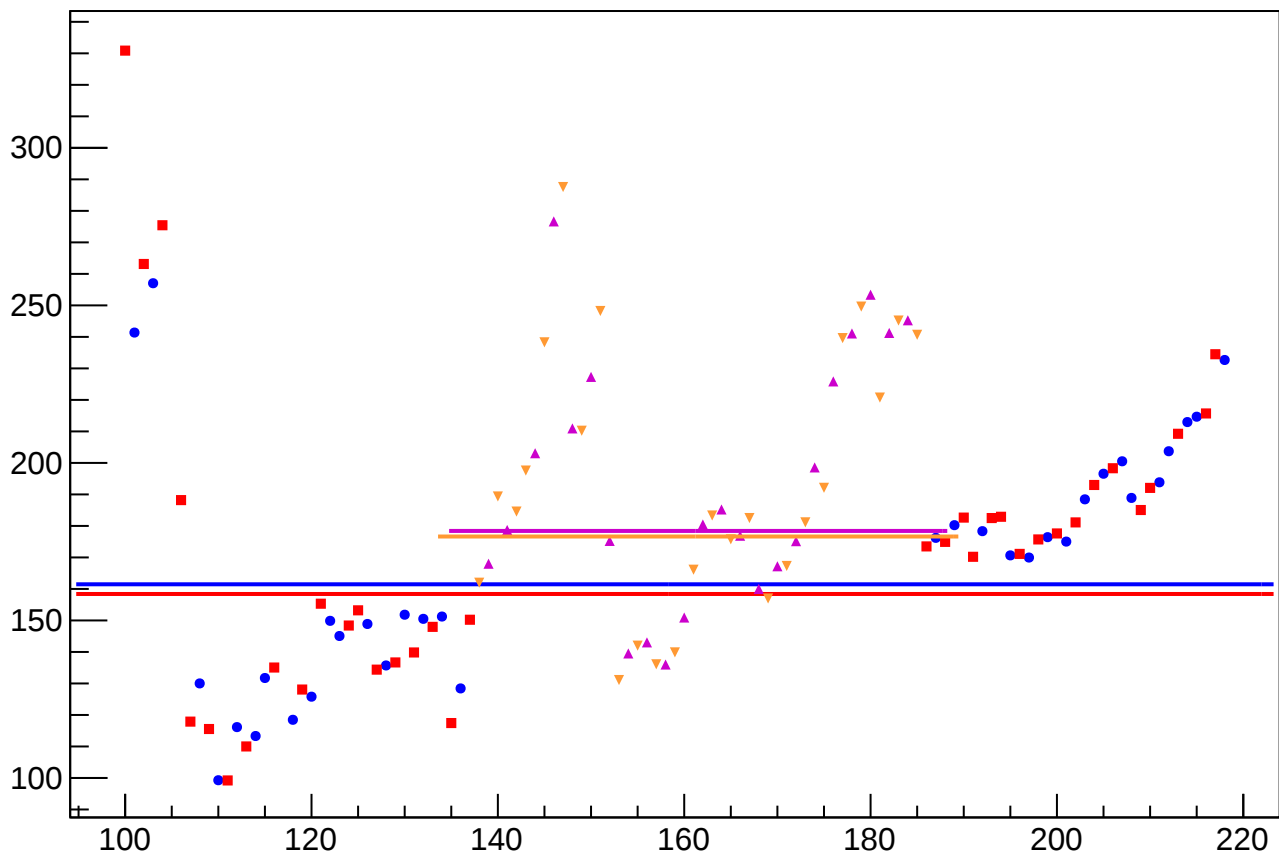
Left In: 8273.228 ± 44.301 $\chi^2/\text{NDF}: 22870.2/22$

+ sign 2529.660 ± 28.794 $\chi^2/\text{NDF}: 180840.8/57$

All: 1466.947 ± 20.372 $\chi^2/\text{NDF}: 406095.2/11$

- sign 401.906 ± 28.826 $\chi^2/\text{NDF}: 222527.2/58$

asym_bpm0i02WS_rms vs Slug



Right In: 161.476+/-0.028 χ^2/NDF : 1777563.0/32

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 158.400+/-0.027 χ^2/NDF : 1998472.4/35

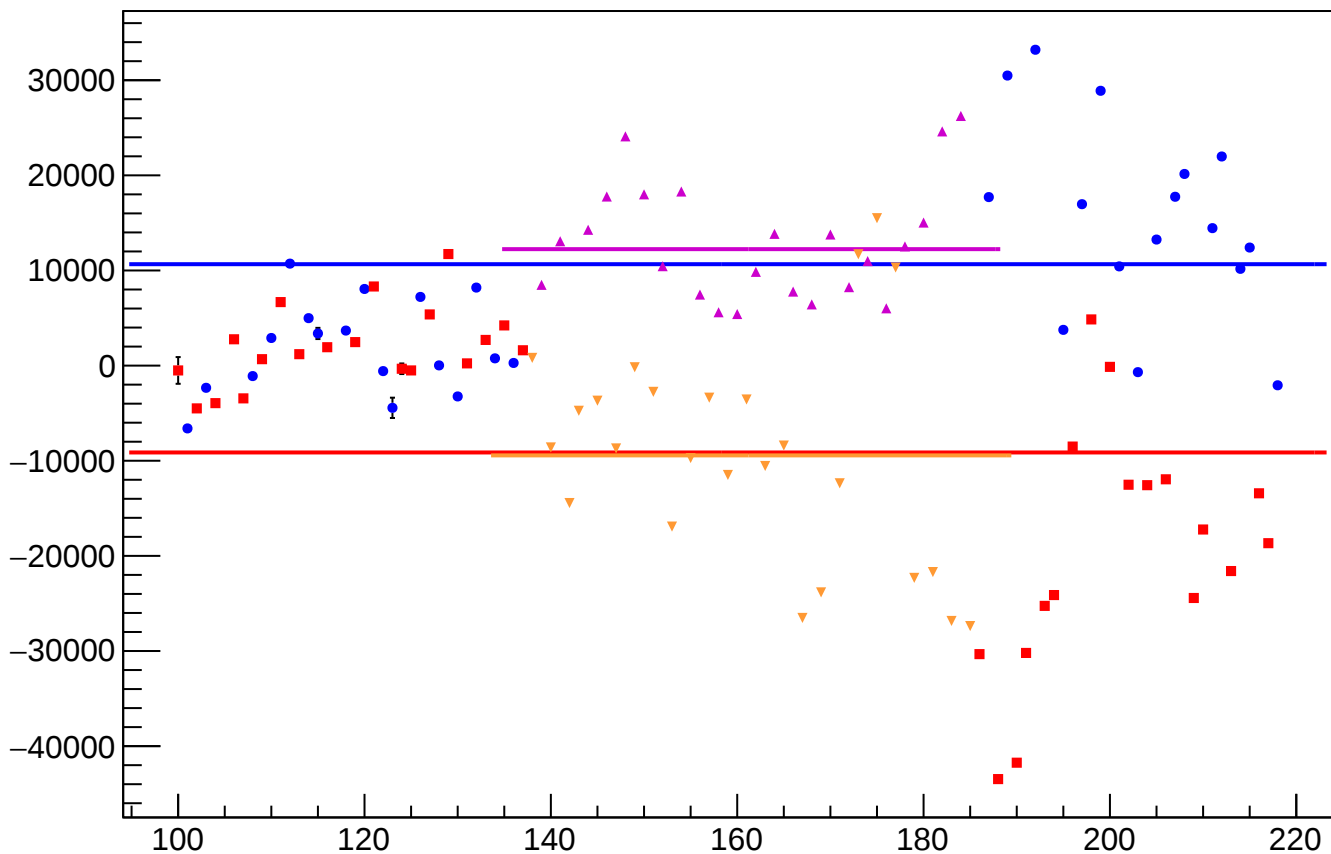
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 168.461+/-0.020 χ^2/NDF : 3466433.5/57

All: 167.668+/-0.014 χ^2/NDF : 6997034.6/116

- sign 166.873+/-0.020 χ^2/NDF : 3527563.8/58

asym_bpm0i02aWS_mean vs Slug



Right In: 10660.821+/-42.981 χ^2/NDF : 57632.3/32

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -9129.502+/-41.838 χ^2/NDF : 117279.5/35

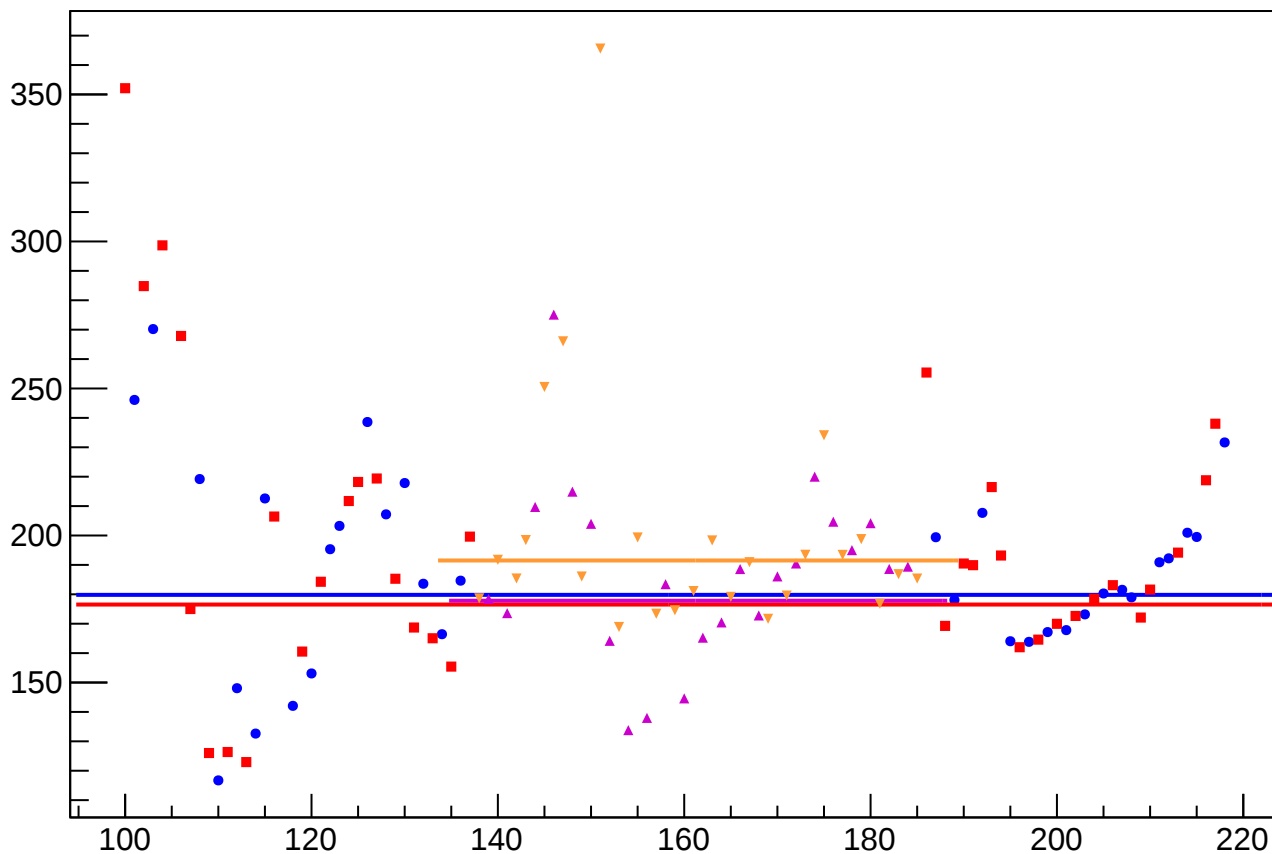
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign 1190.984+/-31.256 χ^2/NDF : 222878.8/57

All: 1109.016+/-21.756 χ^2/NDF : 480851.8/11

- sign 1031.978+/-30.301 χ^2/NDF : 257959.7/58

asym_bpm0i02aWS_rms vs Slug



Right In: 179.813+/-0.030 χ^2/NDF : 900735.9/32

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 176.515+/-0.030 χ^2/NDF : 1312749.3/35

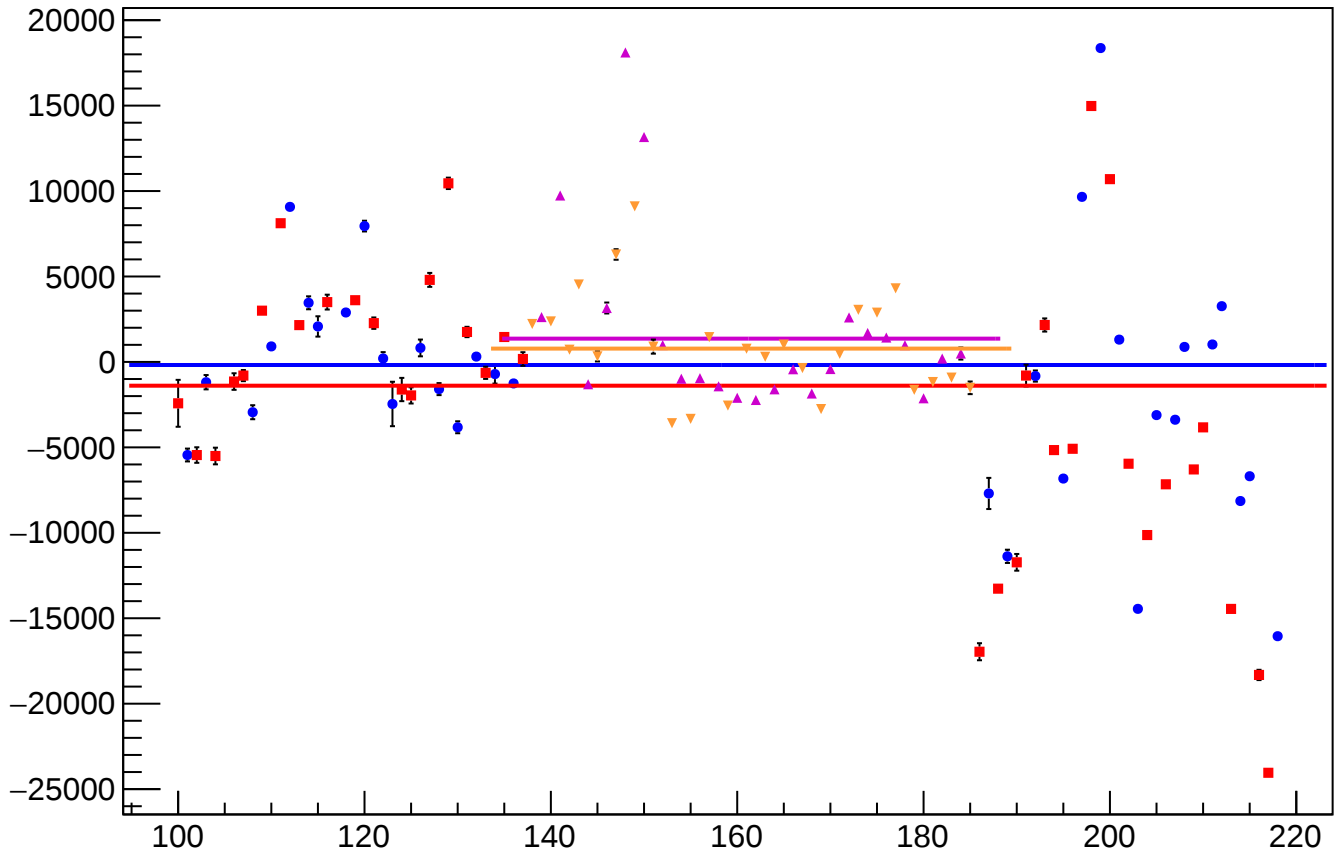
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 185.323+/-0.022 χ^2/NDF : 1697739.8/57

All: 181.103+/-0.015 χ^2/NDF : 3944642.7/116

- sign 177.136+/-0.021 χ^2/NDF : 2176170.8/58

asym_bpm0i05WS_mean vs Slug



Right In: -179.708 ± 48.117 χ^2/NDF : 25497.0/32

Left Out: 779.983 ± 47.457 χ^2/NDF : 4260.8/24

Right Out: -1390.997 ± 47.038 χ^2/NDF : 34515.6/35

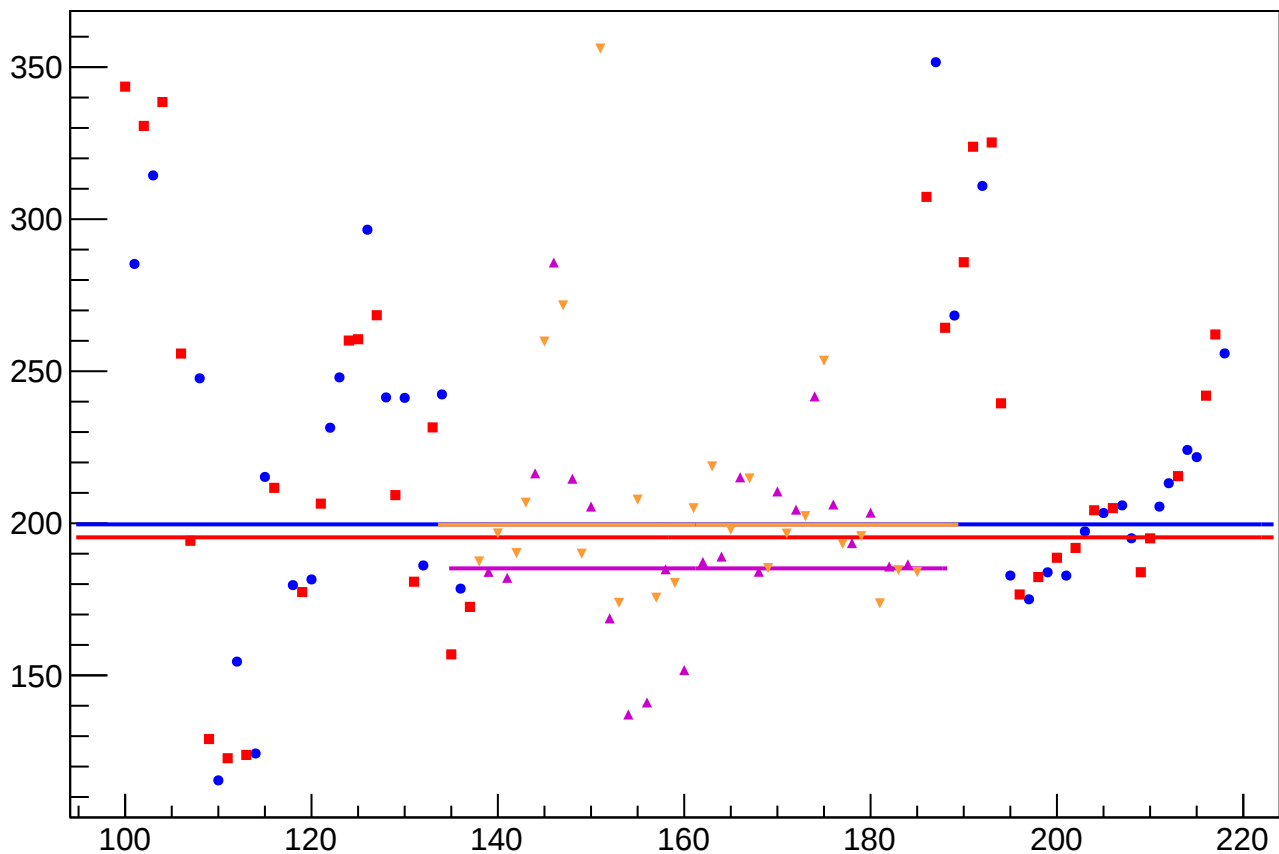
Left In: 1363.043 ± 45.807 χ^2/NDF : 11632.9/22

+ sign 306.762 ± 33.788 χ^2/NDF : 29959.4/57

All: 160.509 ± 23.541 χ^2/NDF : 77903.8/116

- sign 22.544 ± 32.817 χ^2/NDF : 47907.9/58

asym_bpm0i05WS_rms vs Slug



Right In: 199.645 $\pm$ 0.034 χ^2 /NDF: 1547842.9/32

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 195.379 $\pm$ 0.033 χ^2 /NDF: 2321442.1/35

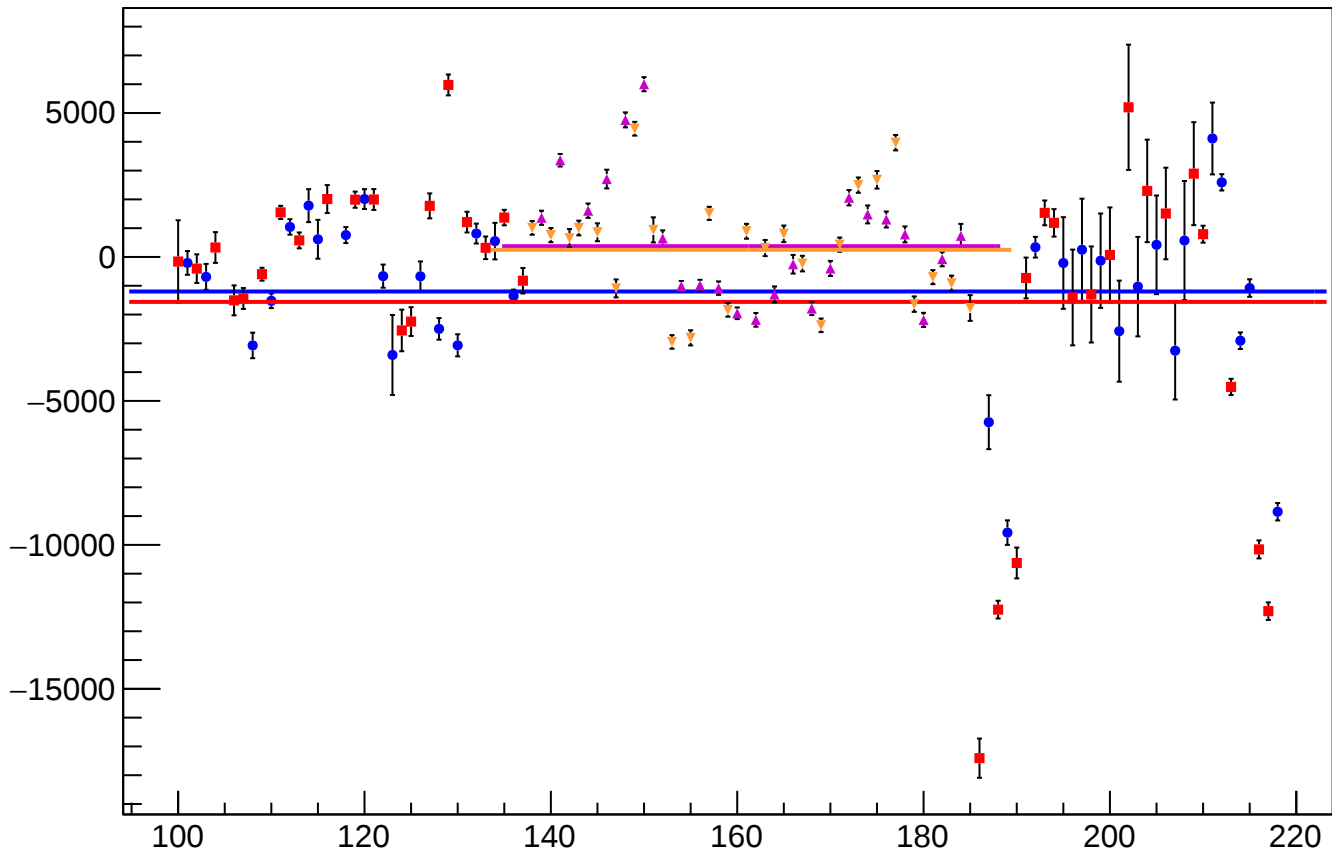
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 199.595 $\pm$ 0.024 χ^2 /NDF: 2277203.4/57

All: 194.729 $\pm$ 0.017 χ^2 /NDF: 5610350.6/116

- sign 190.139 $\pm$ 0.023 χ^2 /NDF: 3252541.0/58

asym_bpm0i07WS_mean vs Slug



Right In: -1198.997 ± 72.398 χ^2/NDF : 1656.7/32

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -1559.932 ± 66.936 χ^2/NDF : 5599.6/35

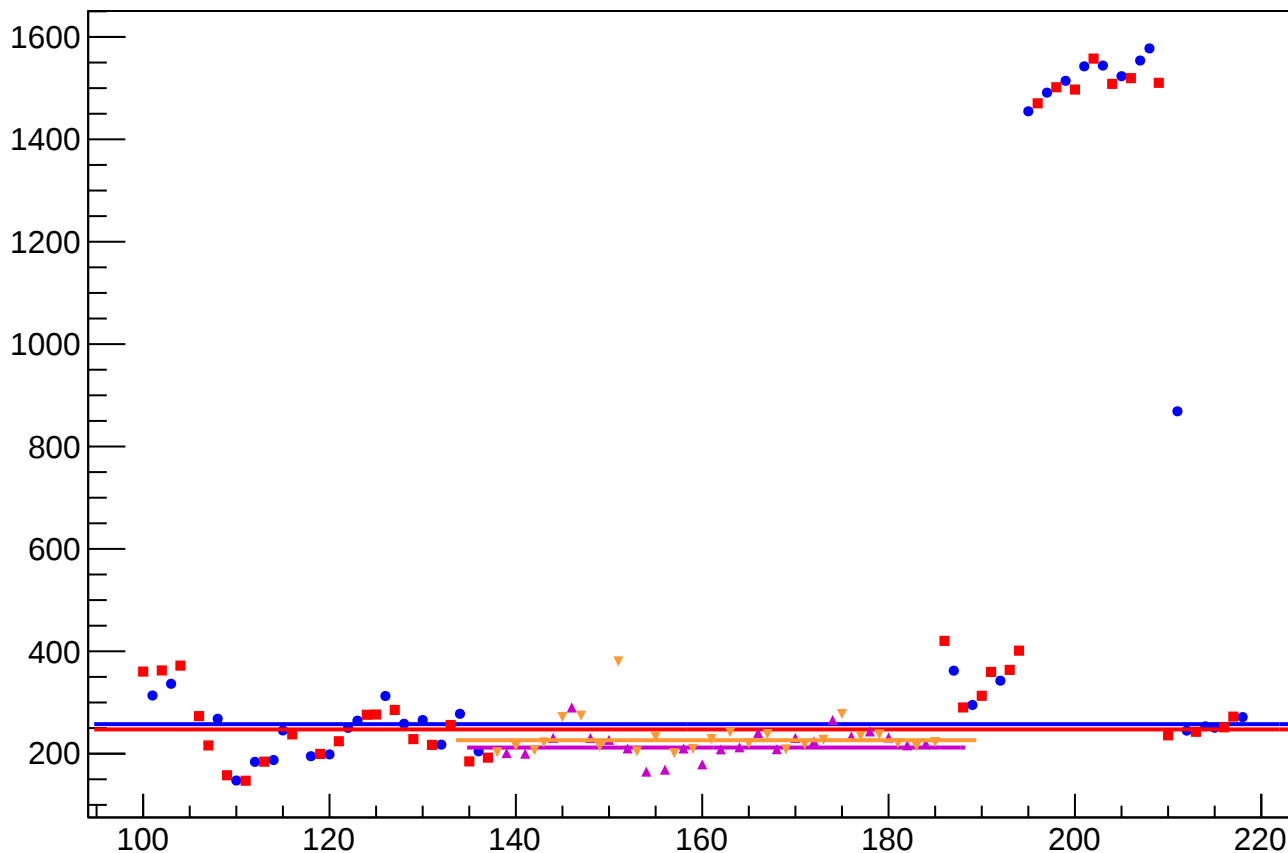
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -263.862 ± 43.055 χ^2/NDF : 3269.9/57

All: -311.377 ± 29.725 χ^2/NDF : 11193.1/116

- sign -354.650 ± 41.089 χ^2/NDF : 7920.9/58

asym_bpm0i07WS_rms vs Slug



Right In: 257.675+/-0.051 χ^2/NDF : 10151378.9/32

Left Out: 226.322+/-0.038 χ^2/NDF : 521041.8/24

Right Out: 247.435+/-0.047 χ^2/NDF : 9288035.3/35

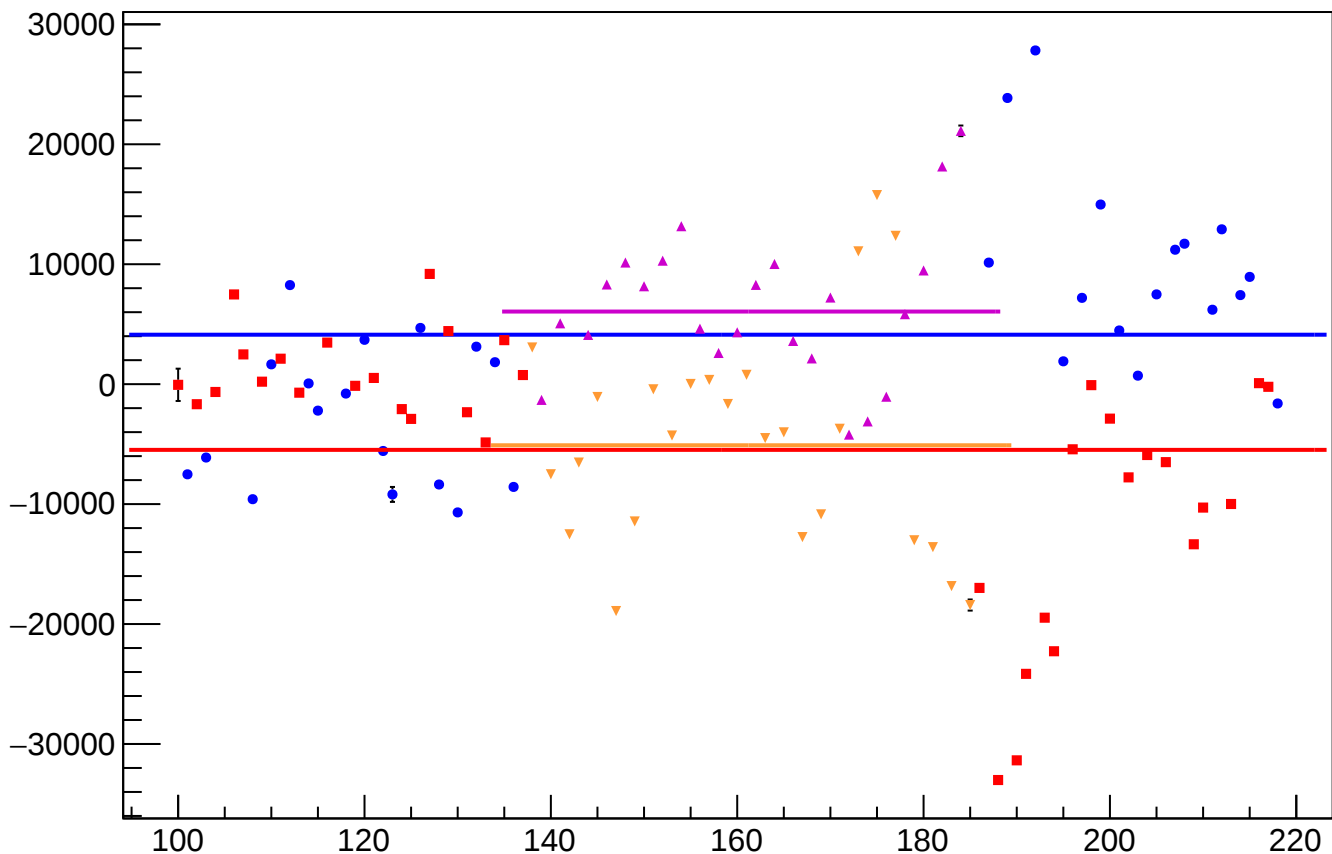
Left In: 211.970+/-0.037 χ^2/NDF : 584344.5/22

+ sign 237.411+/-0.030 χ^2/NDF : 10914857.7/57

All: 231.090+/-0.021 χ^2/NDF : 21219473.5/111

- sign 225.334+/-0.029 χ^2/NDF : 10222261.6/58

asym_bpm1i02WS_mean vs Slug



Right In: 4122.799+/-33.343 χ^2/NDF : 80792.0/32

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5478.795+/-32.054 χ^2/NDF : 105080.1/35

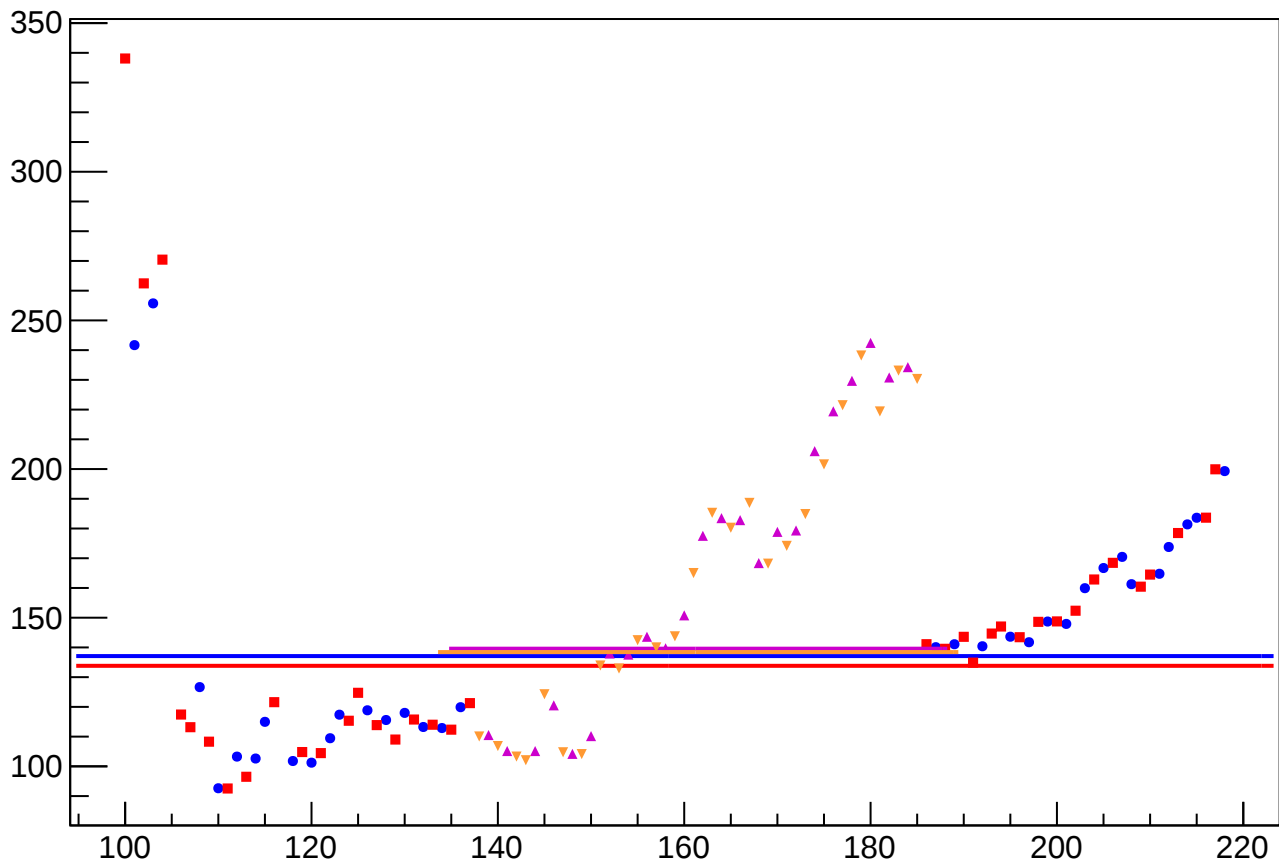
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -436.648+/-23.703 χ^2/NDF : 172992.7/57

All: -327.027+/-16.738 χ^2/NDF : 354754.1/111

- sign -218.009+/-23.638 χ^2/NDF : 181718.7/58

asym_bpm1i02WS_rms vs Slug



Right In: 137.090 $\pm$ 0.024 χ^2 /NDF: 1789469.3/32

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 133.816 $\pm$ 0.023 χ^2 /NDF: 1862924.2/35

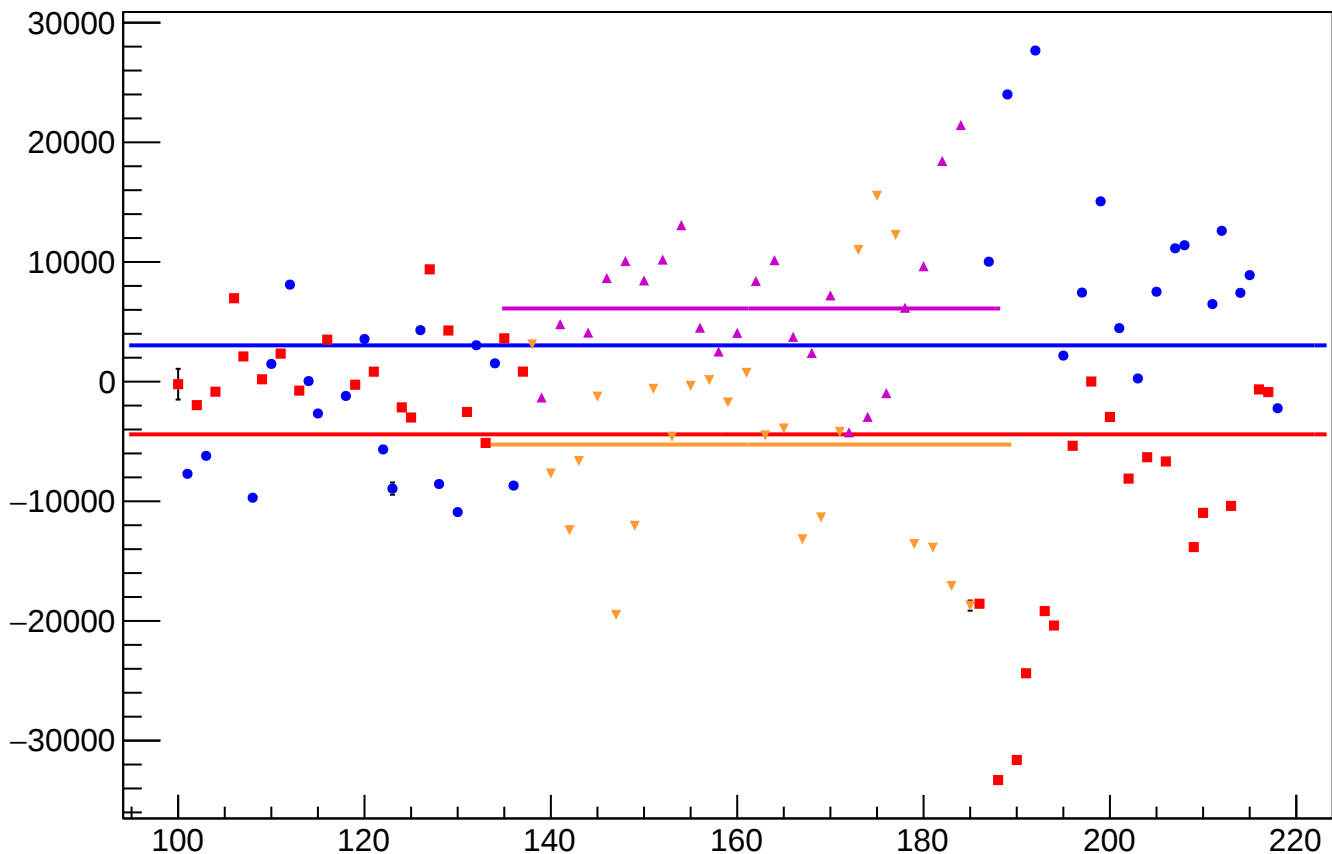
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 137.756 $\pm$ 0.017 χ^2 /NDF: 4340515.5/57

All: 137.098 $\pm$ 0.012 χ^2 /NDF: 8649651.5/116

- sign 136.444 $\pm$ 0.017 χ^2 /NDF: 4306065.6/58

asym_bpm1i04WS_mean vs Slug



Right In: 3032.053 ± 29.970 $\chi^2/\text{NDF}: 91689.8/32$

Left Out: -5255.652 ± 30.622 $\chi^2/\text{NDF}: 64324.6/24$

Right Out: -4406.030 ± 28.905 $\chi^2/\text{NDF}: 114352.2/35$

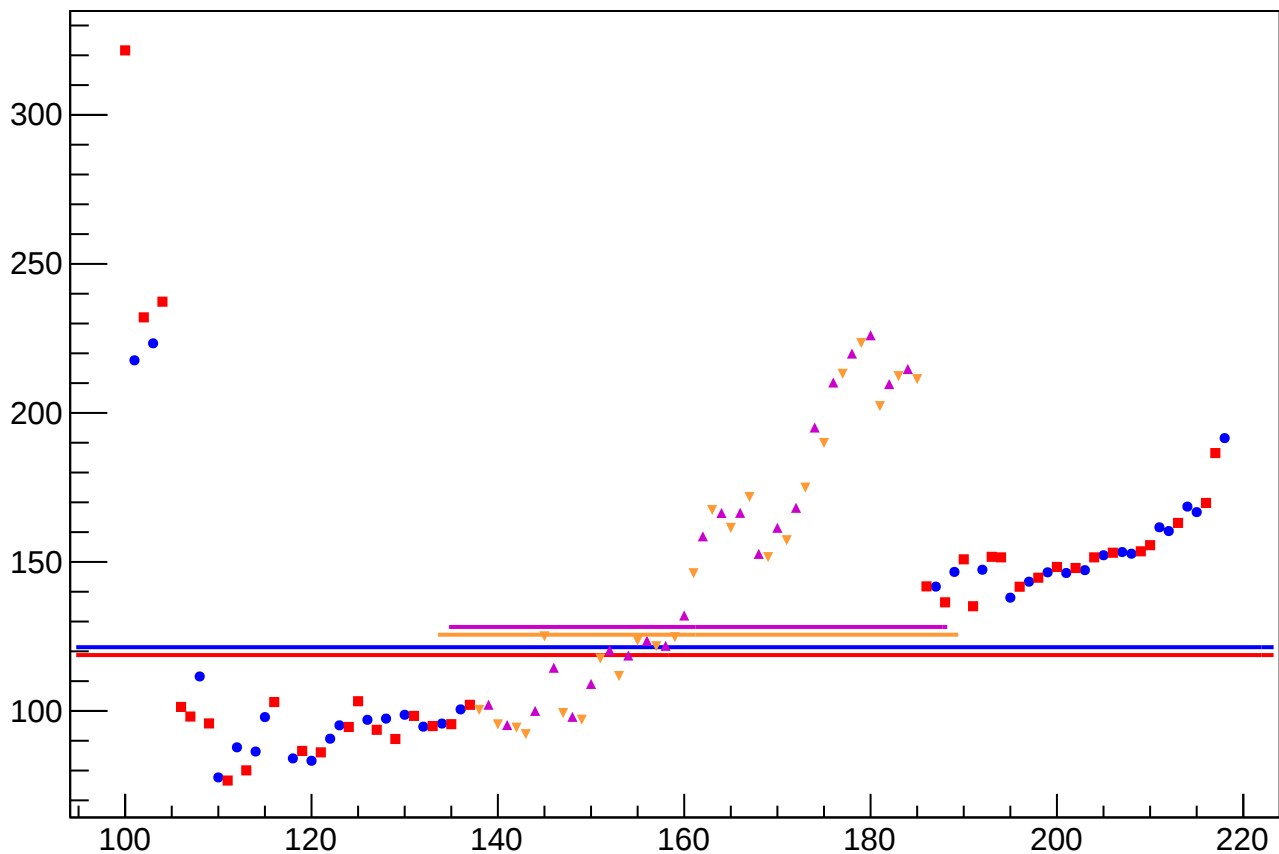
Left In: 6114.901 ± 32.126 $\chi^2/\text{NDF}: 21260.9/22$

+ sign -1022.583 ± 21.419 $\chi^2/\text{NDF}: 193427.6/57$

All: -363.025 ± 15.170 $\chi^2/\text{NDF}: 390213.3/11$

- sign 300.788 ± 21.488 $\chi^2/\text{NDF}: 194883.1/58$

asym_bpm1i04WS_rms vs Slug



Right In: 121.396+/-0.021 χ^2/NDF : 2660957.6/32

Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24

Right Out: 118.749+/-0.020 χ^2/NDF : 2809655.7/35

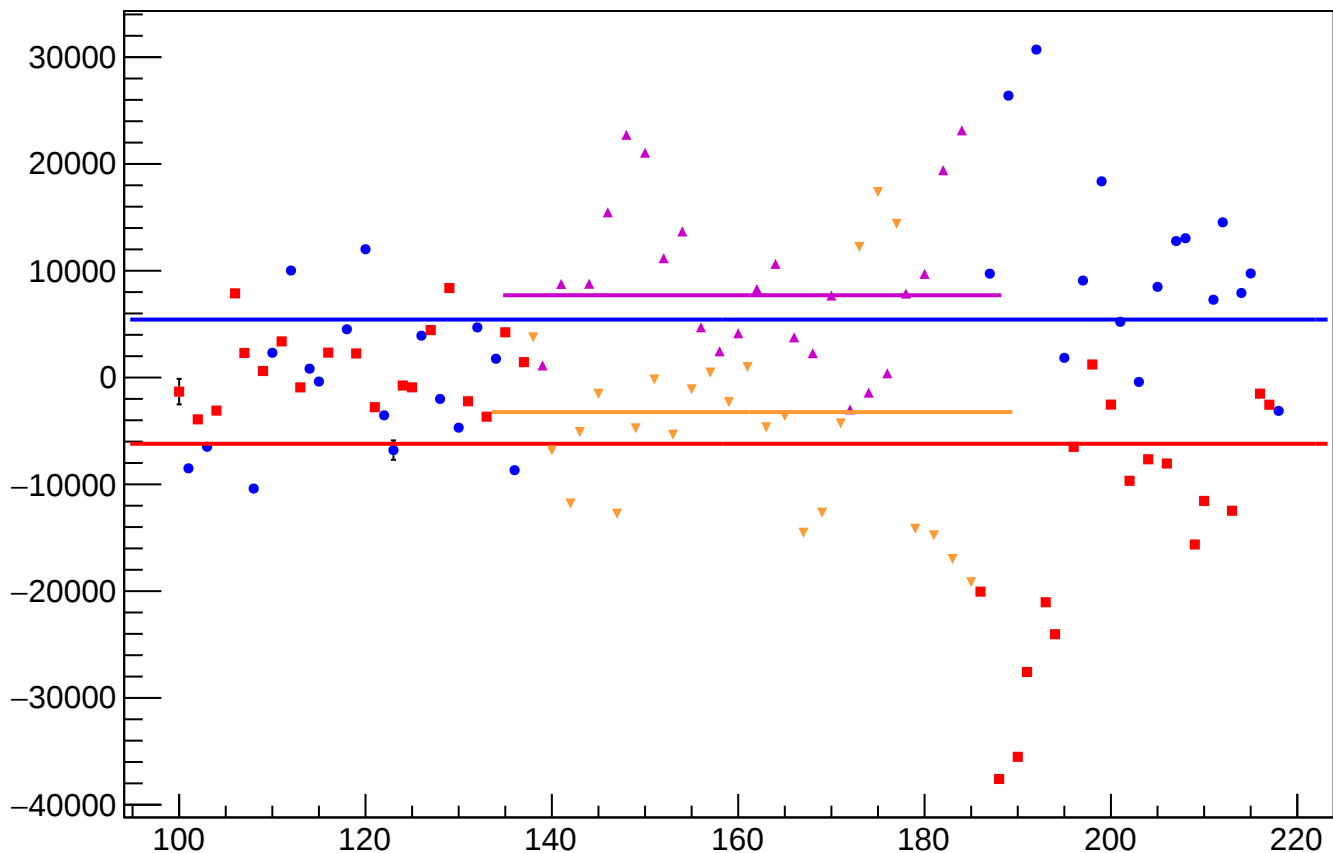
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 123.441+/-0.015 χ^2/NDF : 5275758.0/57

All: 123.207+/-0.011 χ^2/NDF : 10514191.1/111

- sign 122.970+/-0.015 χ^2/NDF : 5237950.3/58

asym_bpm1i06WS_mean vs Slug



Right In: 5428.865 ± 39.546 $\chi^2/\text{NDF}: 63936.4/32$

Left Out: -3234.922 ± 40.583 $\chi^2/\text{NDF}: 36739.9/24$

Right Out: -6202.326 ± 38.085 $\chi^2/\text{NDF}: 93951.3/35$

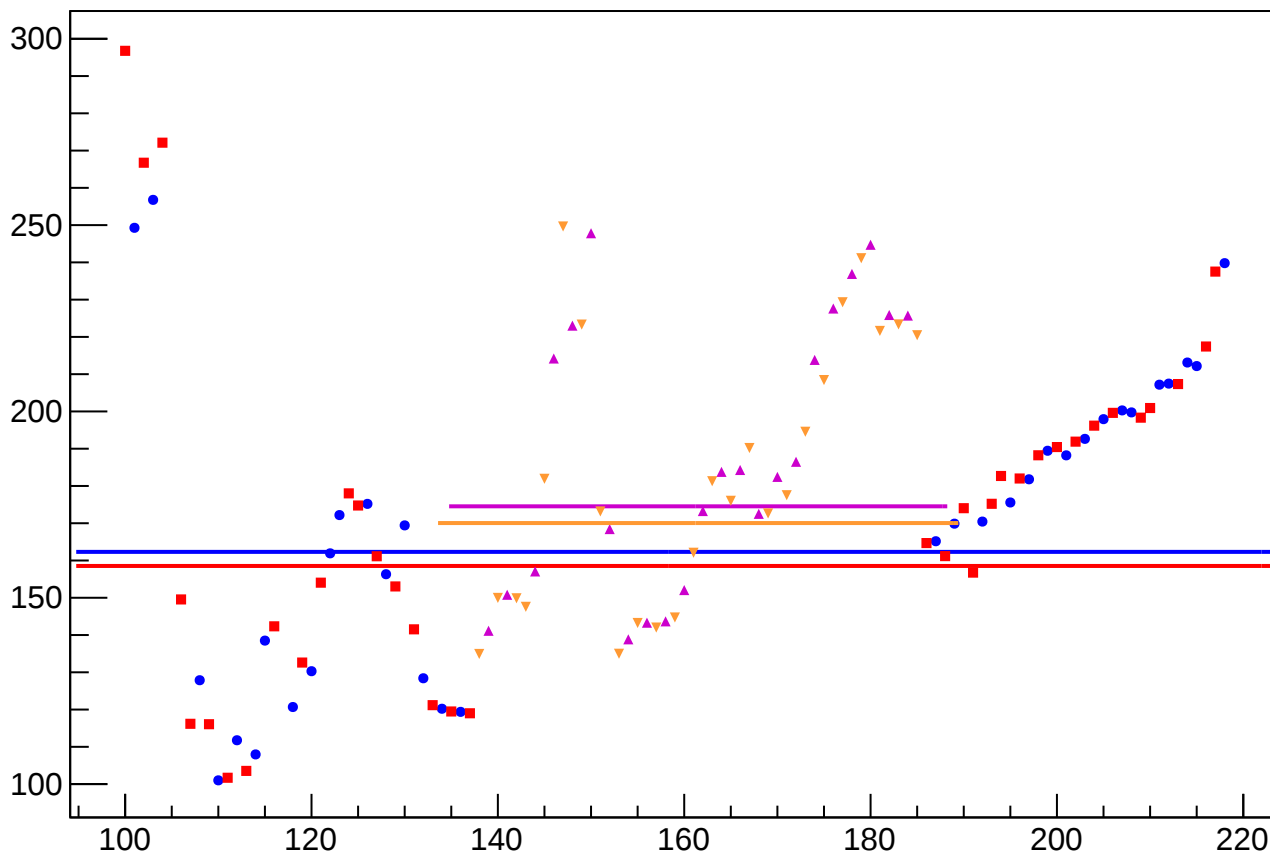
Left In: 7707.068 ± 42.990 $\chi^2/\text{NDF}: 21268.3/22$

+ sign 1209.013 ± 28.323 $\chi^2/\text{NDF}: 124053.6/57$

All: 565.718 ± 20.092 $\chi^2/\text{NDF}: 298963.8/116$

- sign -85.994 ± 28.507 $\chi^2/\text{NDF}: 173871.7/58$

asym_bpm1i06WS_rms vs Slug



Right In: 162.315 $\pm$ 0.028 χ^2 /NDF: 2071223.9/32

Left Out: 170.050 $\pm$ 0.029 χ^2 /NDF:1240866.9/24

Right Out: 158.536 $\pm$ 0.027 χ^2 /NDF: 2168834.8/35

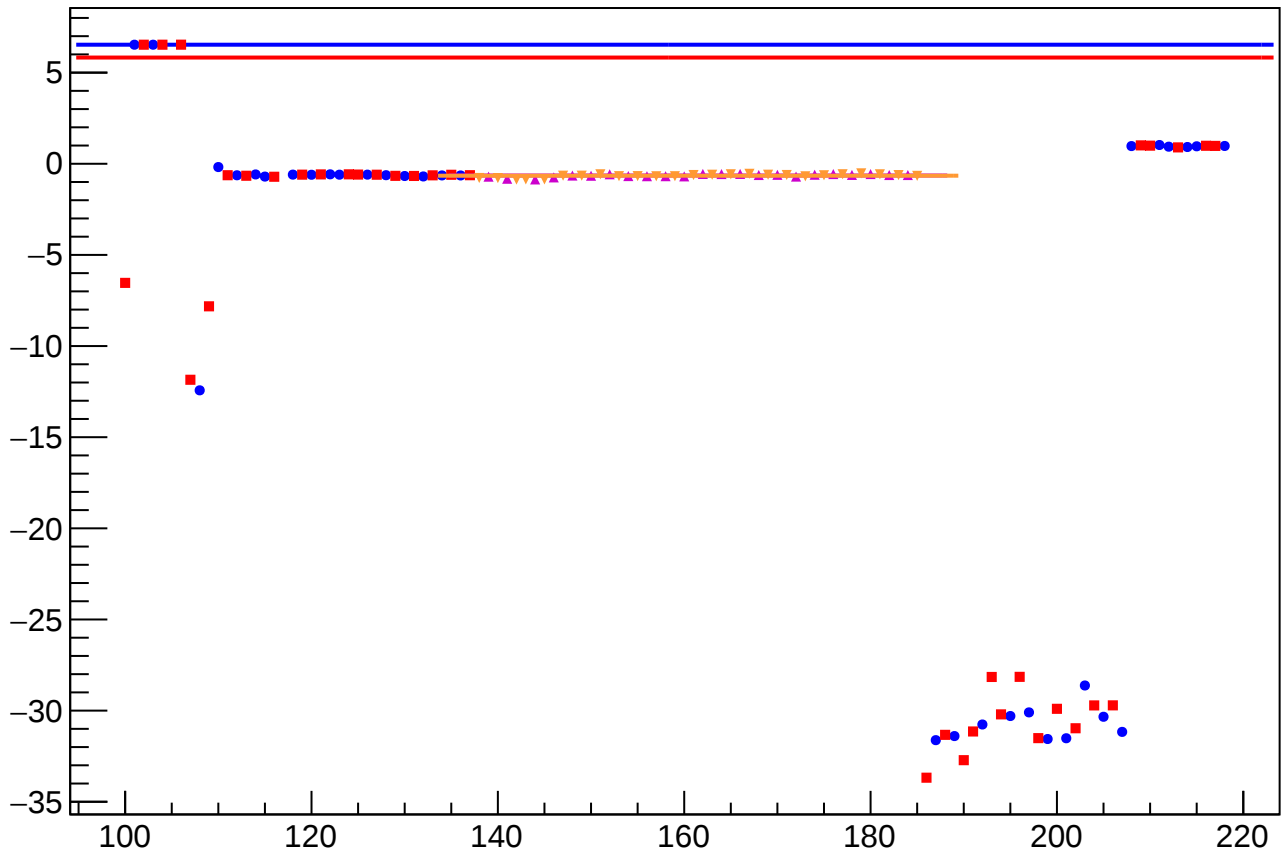
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 166.082 $\pm$ 0.020 χ^2 /NDF: 3349356.3/57

All: 165.829 $\pm$ 0.014 χ^2 /NDF: 6883869.8/116

- sign 165.573 $\pm$ 0.020 χ^2 /NDF: 3534192.1/58

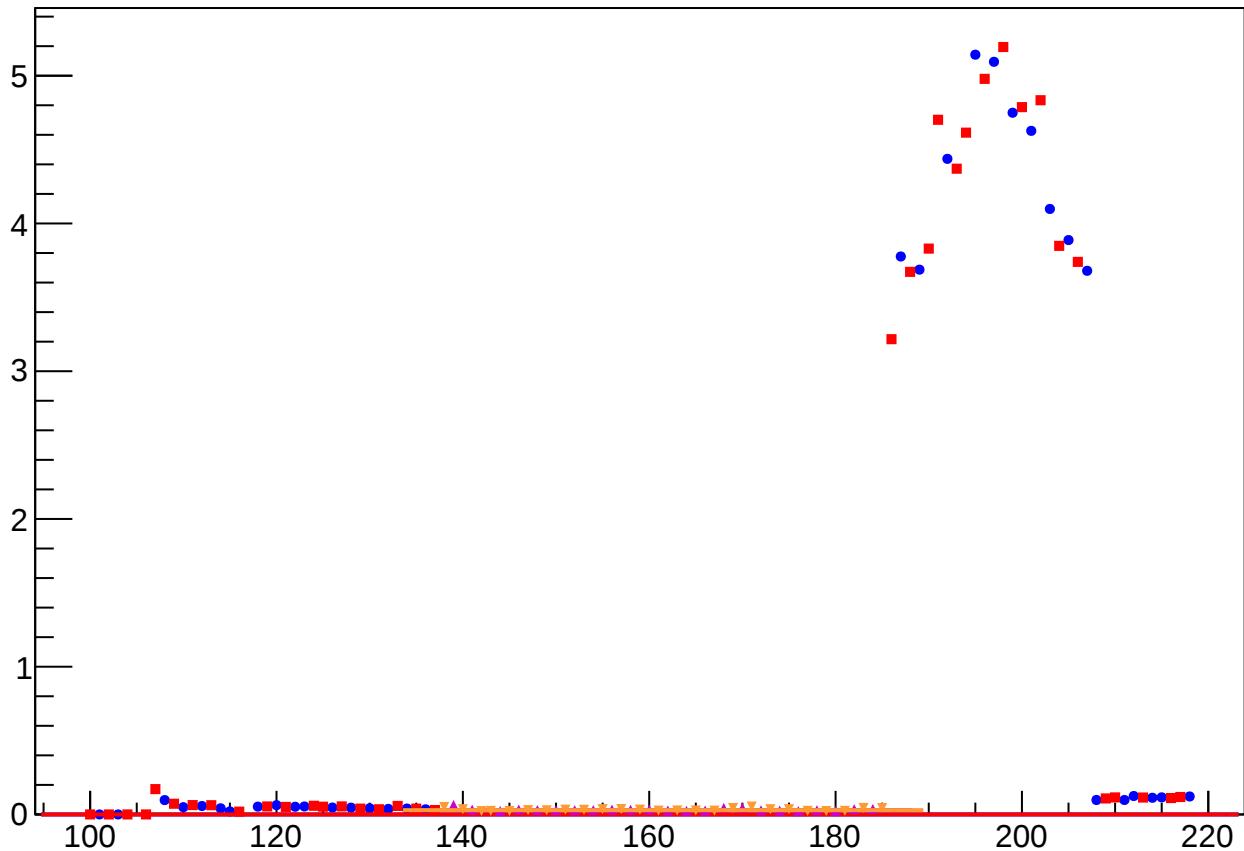
yield_cav4bX_mean vs Slug



Right In: 6.532 ± 0.000 χ^2/NDF : 138682048180.6/32
 Left Out: -0.654 ± 0.000 χ^2/NDF : 179109810.4/24
 Right Out: 5.827 ± 0.000 χ^2/NDF : 755954286363414.9/35
 Left In: -0.644 ± 0.000 χ^2/NDF : 122913584.0/22

+ sign 6.530 ± 0.000 χ^2/NDF : 1010065184277.5/57
 All: 6.153 ± 0.000 χ^2/NDF : 77761900088895
 - sign 5.826 ± 0.000 χ^2/NDF : 756625627808654.5/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 31385310.6/32

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 31909530.0/35

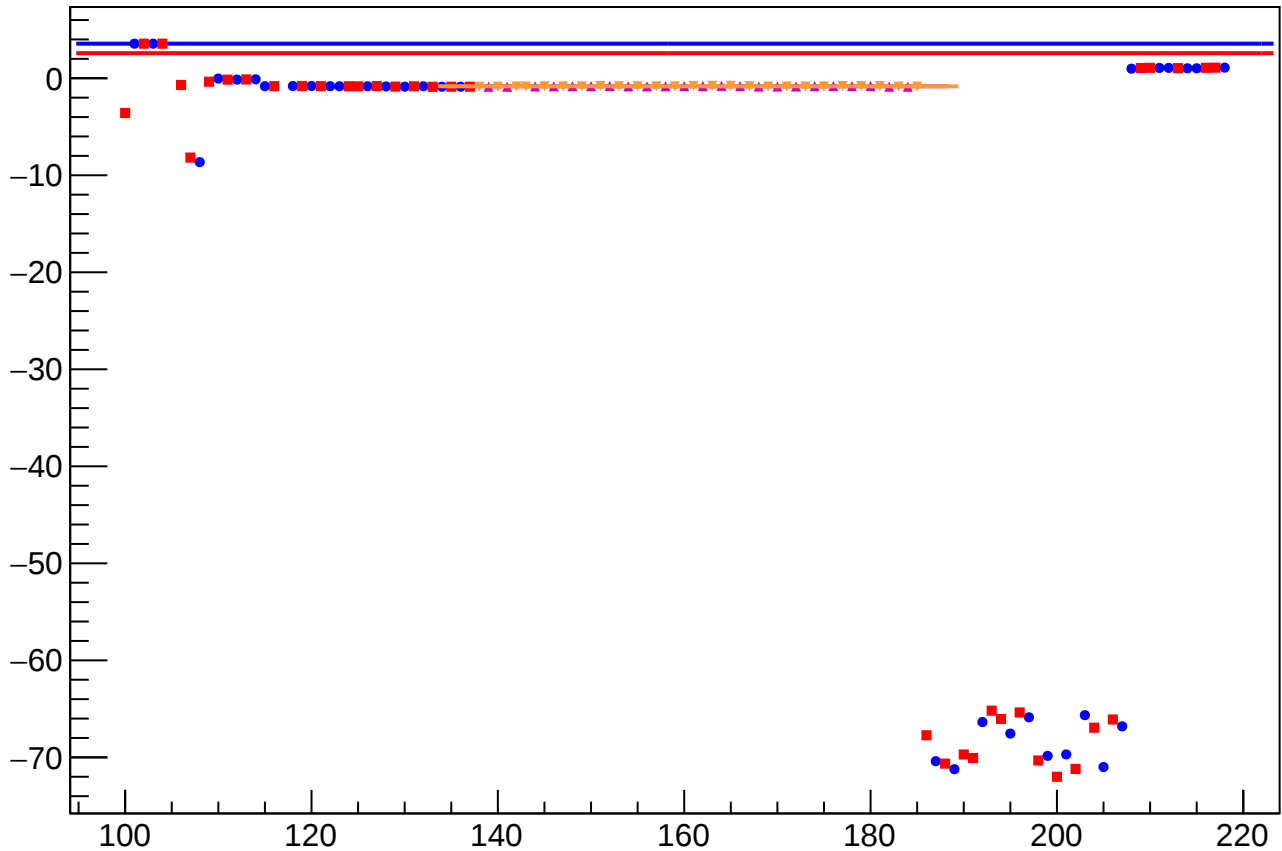
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 61255705.7/57

All: 0.000+/-0.000 χ^2/NDF : 121131015.8/116

- sign 0.000+/-0.000 χ^2/NDF : 59874554.1/58

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 586890710496.4/32

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

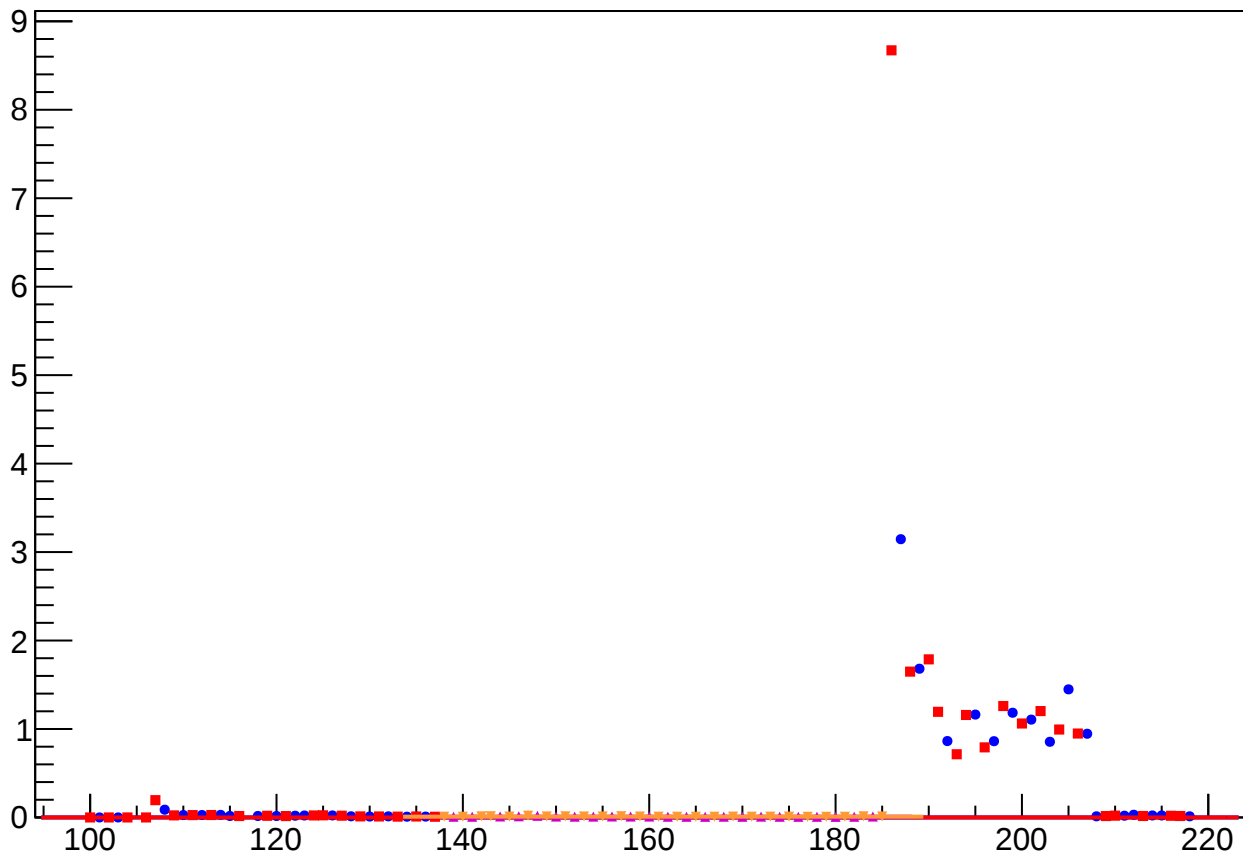
+ sign 3.560+/-0.000 χ^2/NDF : 4268844832195.0/57

Right Out: 2.583+/-0.000 χ^2/NDF : 1253558719744699.2/35 All: 3.038+/-0.000 χ^2/NDF : 13880922322990

- sign 2.581+/-0.000 χ^2/NDF : 1255758697242649.8

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 : 28592581.5/32

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 29522635.8/35

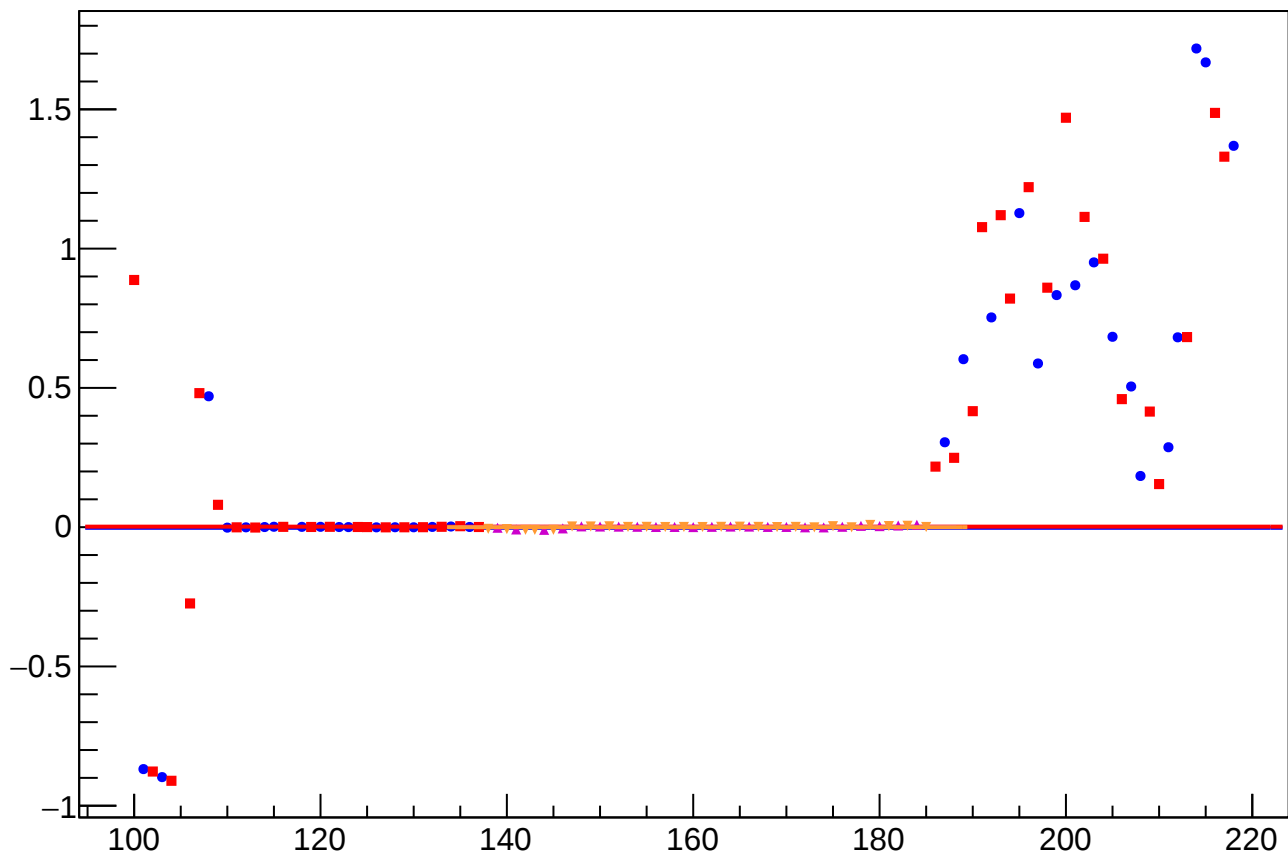
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 59995975.5/57

All: 0.000+/-0.000 χ^2/NDF : 119061092.5/116

- sign 0.000+/-0.000 χ^2/NDF : 59063834.0/58

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9798024172.8/32

Left Out: -0.000 ± 0.000 χ^2/NDF : 151482851.1/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3044221276.0/35

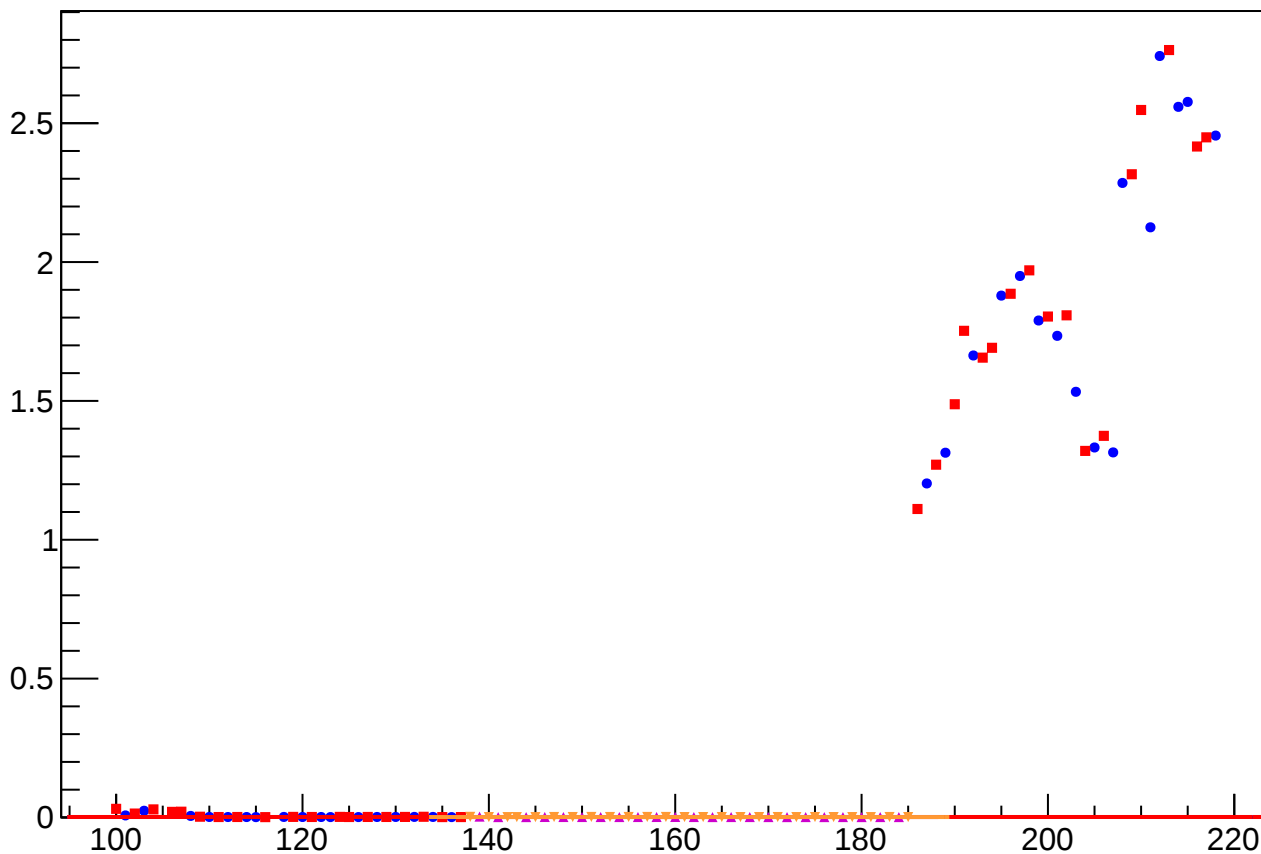
Left In: 0.001 ± 0.000 χ^2/NDF : 101439617.3/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9956036272.3/57

All: 0.000 ± 0.000 χ^2/NDF : 13111247742.3/100

- sign 0.001 ± 0.000 χ^2/NDF : 3147630336.6/58

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 24267669.8/32

Left Out: 0.001+/-0.000 χ^2/NDF :539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 25558918.3/35

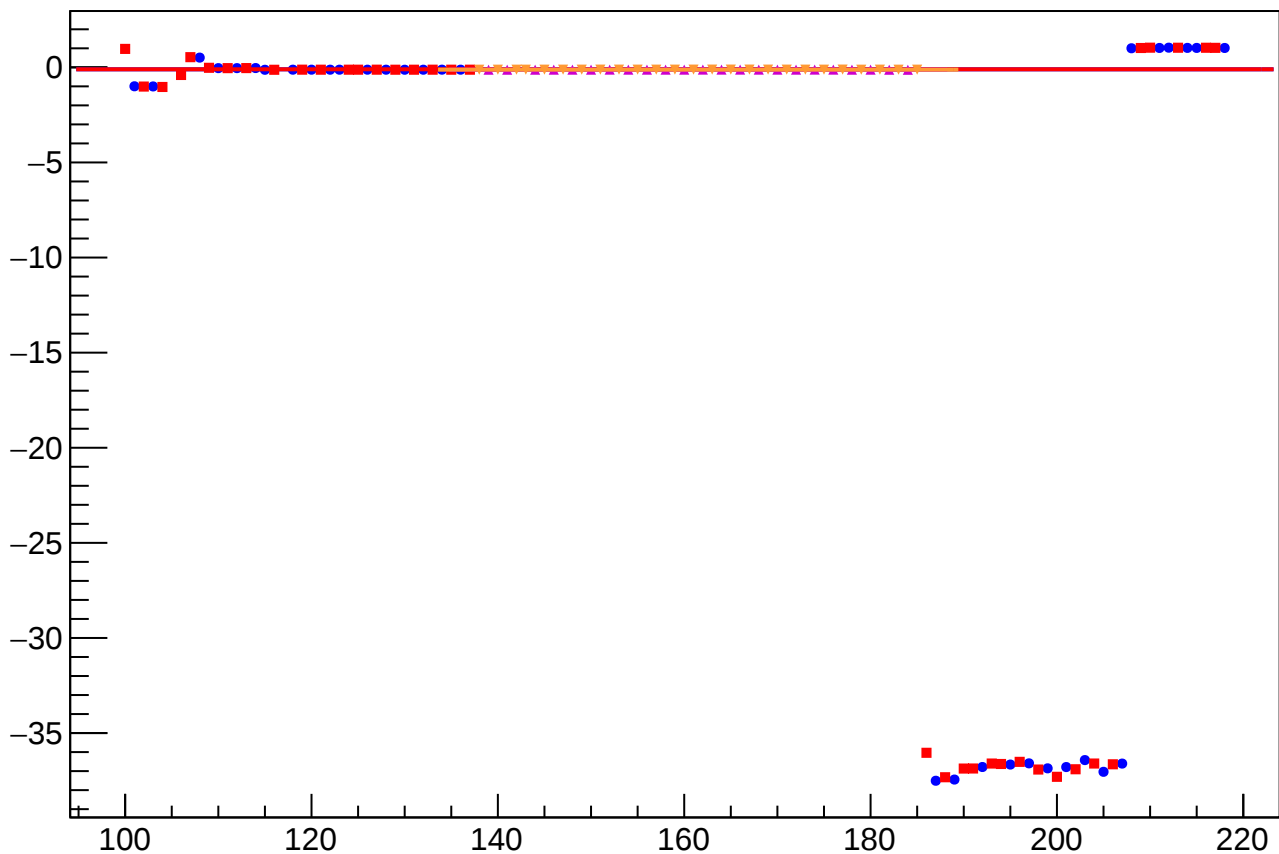
Left In: 0.001+/-0.000 χ^2/NDF :626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 24880864.8/57

All: 0.002+/-0.000 χ^2/NDF : 51186277.1/116

- sign 0.002+/-0.000 χ^2/NDF : 26296467.2/58

yield_cav4cY_mean vs Slug



Right In: -0.104 ± 0.000 $\chi^2/\text{NDF}: 102054775901.4/32$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58120109.3/24$

Right Out: -0.102 ± 0.000 $\chi^2/\text{NDF}: 98454035321.0/35$

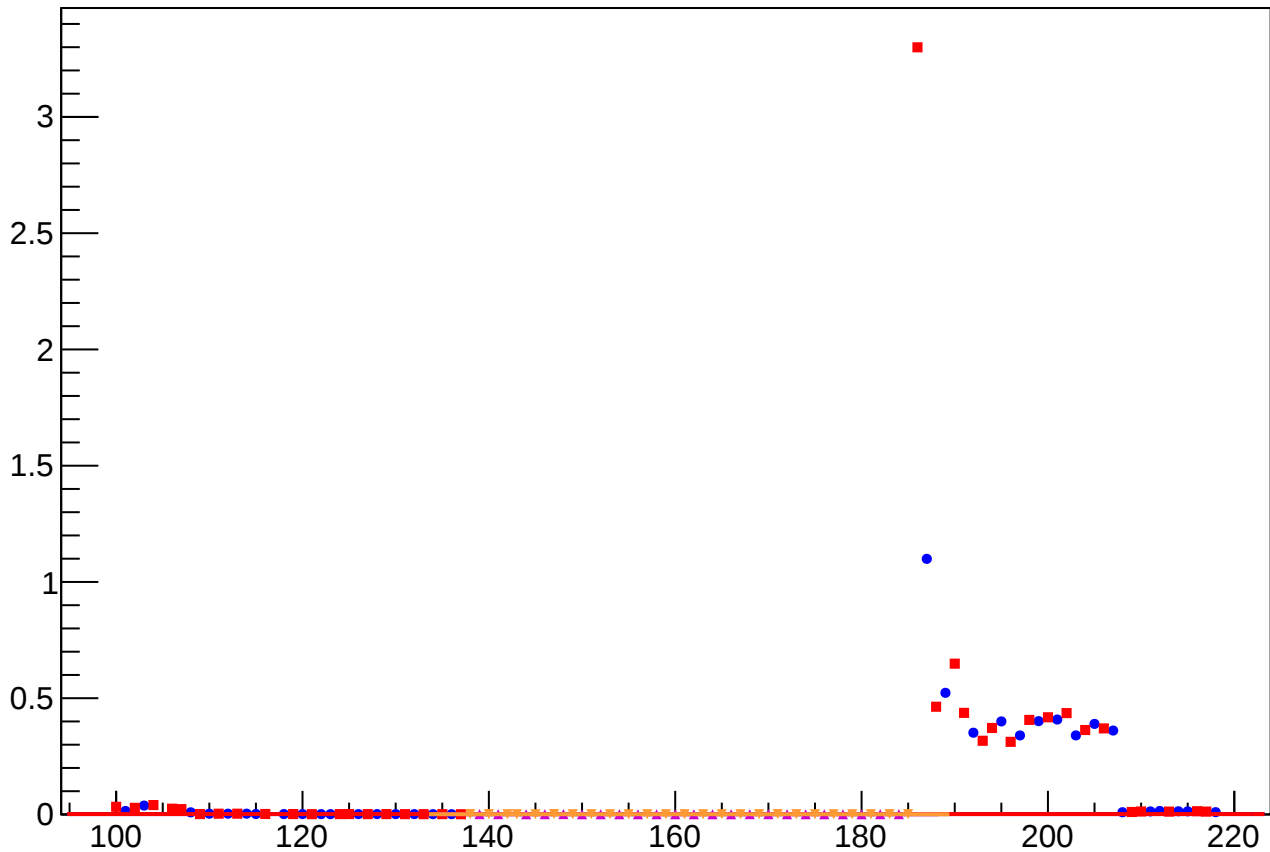
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 52113932.9/22$

+ sign -0.119 ± 0.000 $\chi^2/\text{NDF}: 102599834667.3/57$

All: -0.119 ± 0.000 $\chi^2/\text{NDF}: 201692297499.6$

- sign -0.119 ± 0.000 $\chi^2/\text{NDF}: 99090569310.1/58$

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 22302551.0/32

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 23751886.9/35

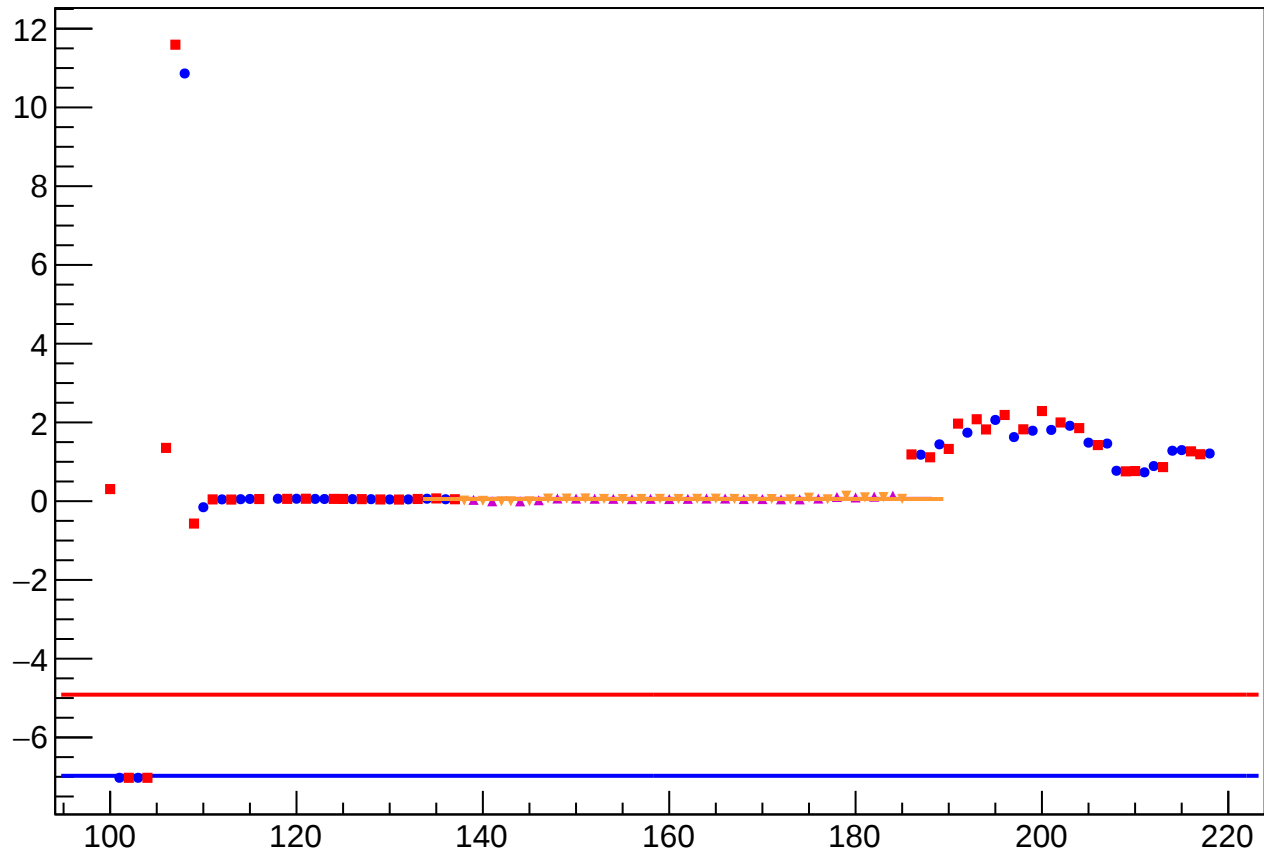
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 25606092.6/57

All: 0.001+/-0.000 χ^2/NDF : 52057452.4/116

- sign 0.001+/-0.000 χ^2/NDF : 26450055.6/58

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8798057409850.7/32

Left Out: 0.055 ± 0.000 χ^2/NDF : 243682351.4/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365353025618118.5/35

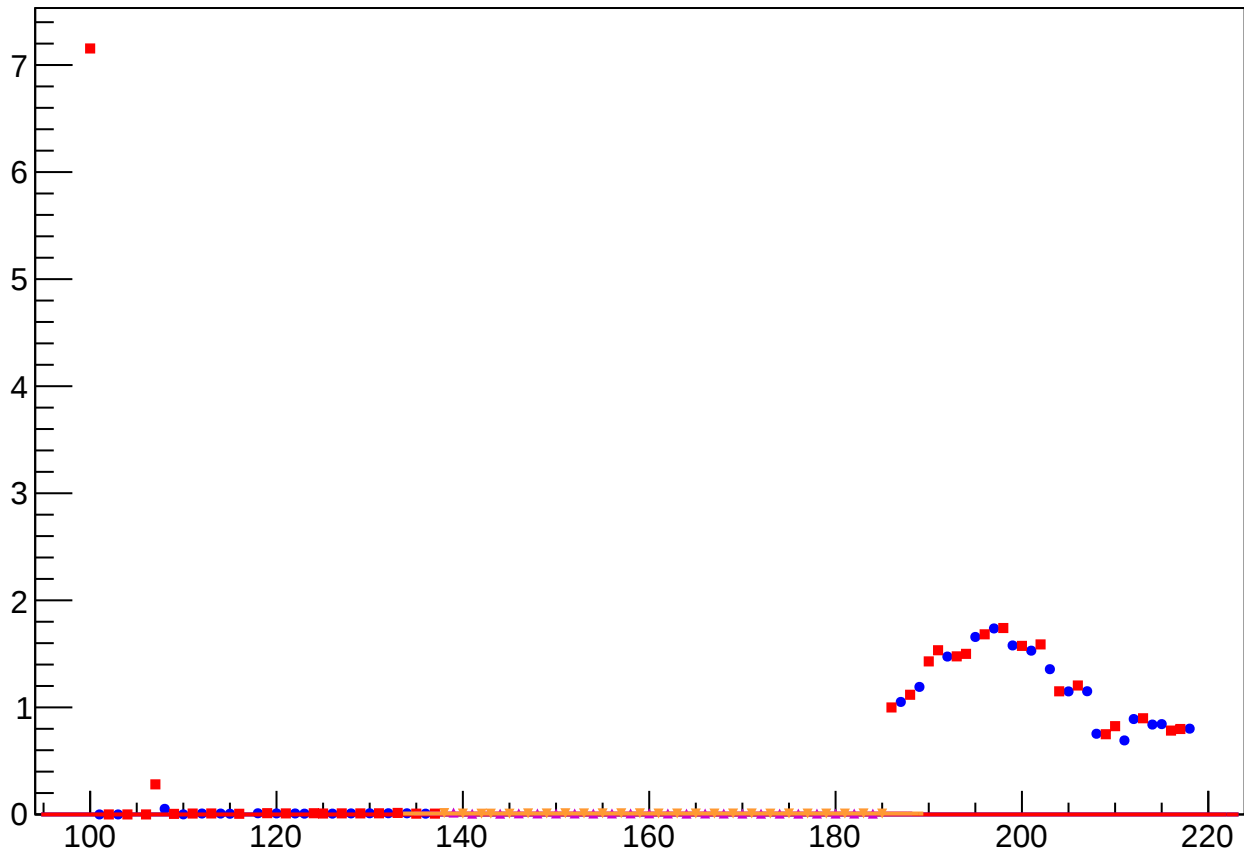
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18424363595096.4/32

All: -5.858 ± 0.000 χ^2/NDF : 4435295732624.0/32

- sign -4.882 ± 0.000 χ^2/NDF : 369732043266830.6/32

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 30720869.7/32

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 31348925.4/35

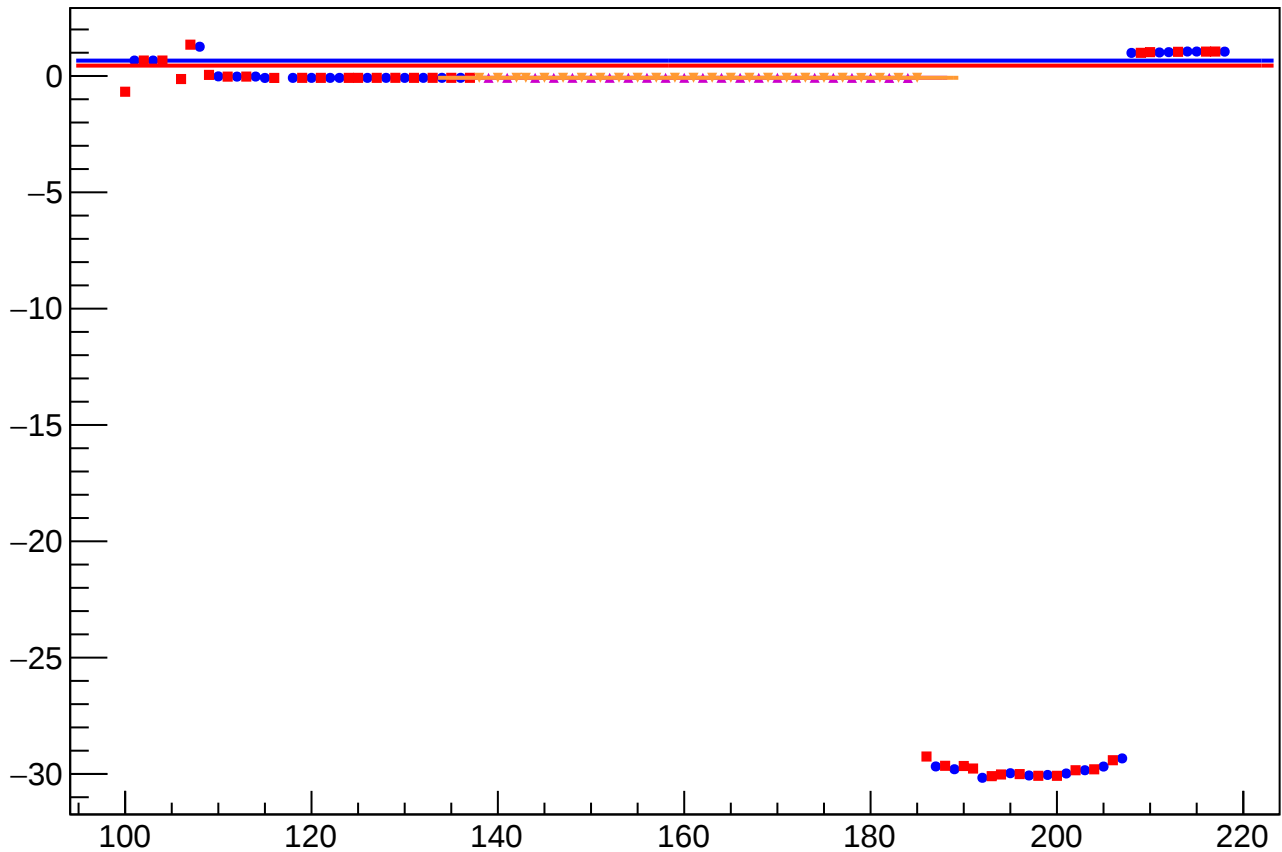
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 59621127.4/57

All: 0.000+/-0.000 χ^2/NDF : 118429659.3/116

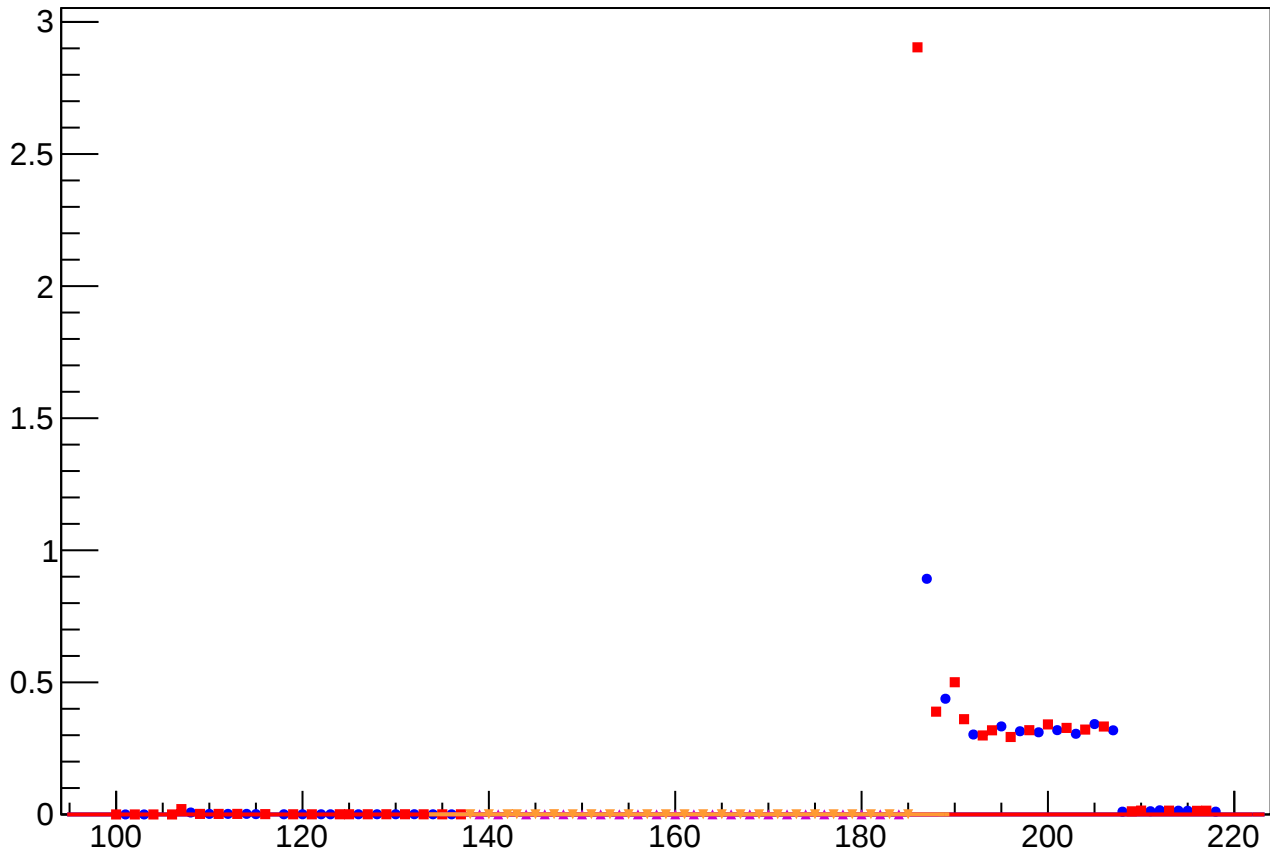
- sign 0.000+/-0.000 χ^2/NDF : 58803677.2/58

yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 $\chi^2/\text{NDF}: 5722771761786.8/32$
 Left Out: -0.078 ± 0.000 $\chi^2/\text{NDF}: 156404795.7/24$ + sign 0.646 ± 0.000 $\chi^2/\text{NDF}: 35821845247039.9/5$
 Right Out: 0.446 ± 0.000 $\chi^2/\text{NDF}: 405496889821538.8/35$ All: 0.537 ± 0.000 $\chi^2/\text{NDF}: 51597829021282$
 Left In: -0.077 ± 0.000 $\chi^2/\text{NDF}: 110762924.1/22$ - sign 0.437 ± 0.000 $\chi^2/\text{NDF}: 419619118824046.1/5$

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 31936366.9/32

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 31869072.4/35

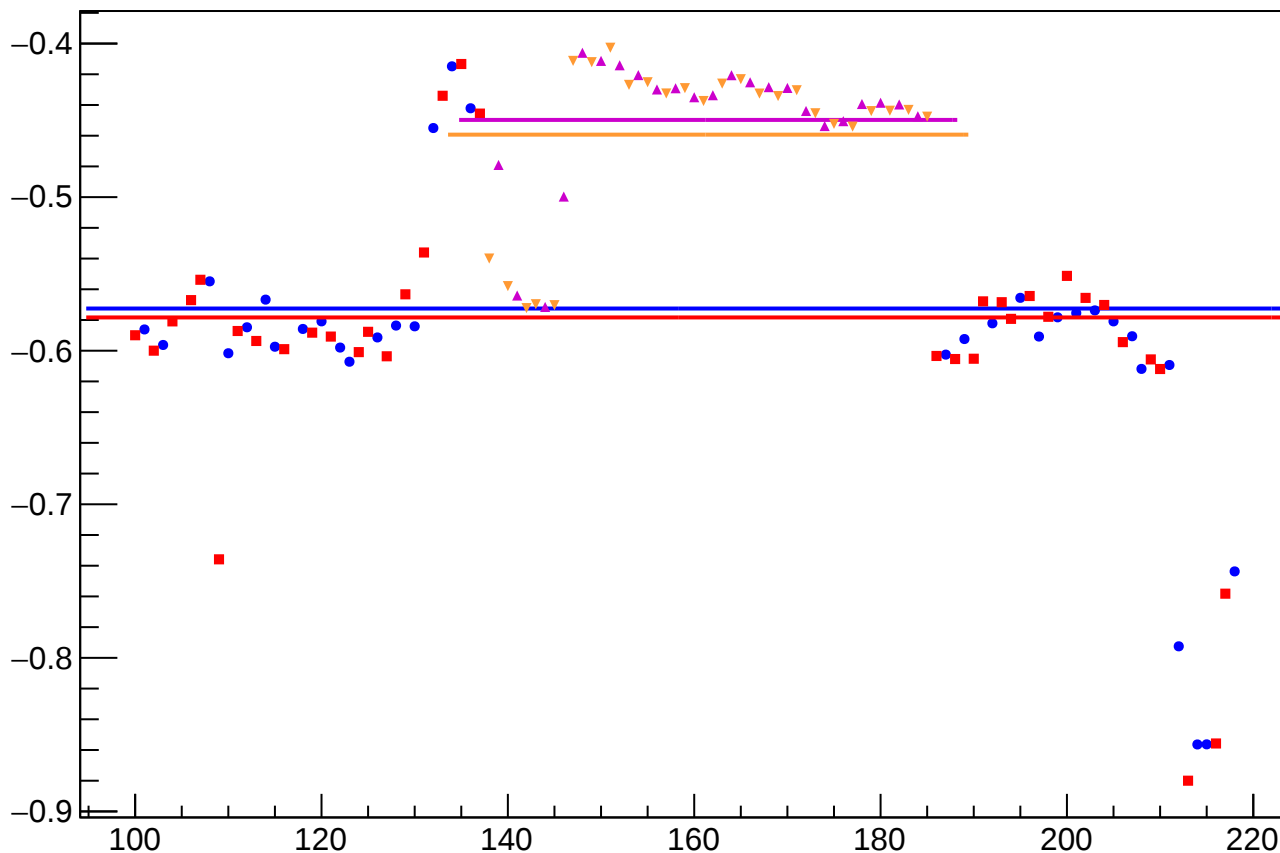
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 64474769.7/57

All: 0.000+/-0.000 χ^2/NDF : 127134594.6/116

- sign 0.000+/-0.000 χ^2/NDF : 62651672.1/58

yield_bpm4aX_mean vs Slug



Right In: -0.573+/-0.000 χ^2/NDF : 114473760.8/32

Left Out: -0.459+/-0.000 χ^2/NDF : 113602161.0/24

Right Out: -0.578+/-0.000 χ^2/NDF : 119783039.8/35

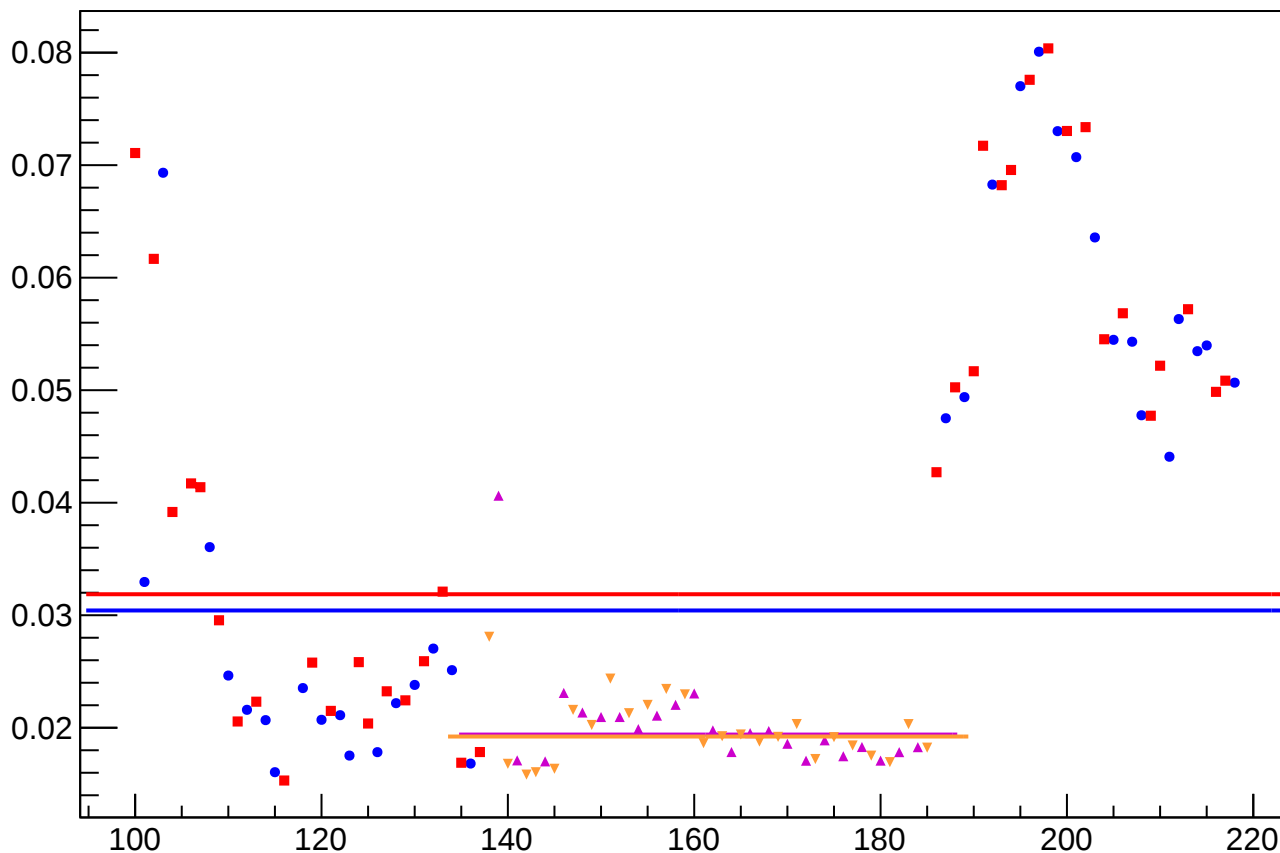
Left In: -0.450+/-0.000 χ^2/NDF : 76117957.8/22

+ sign -0.488+/-0.000 χ^2/NDF : 360538243.3/57

All: -0.486+/-0.000 χ^2/NDF : 718020447.1/11

- sign -0.483+/-0.000 χ^2/NDF : 356835565.2/58

yield_bpm4aX_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 7788090.8/32

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 501711.6/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 7583289.4/35

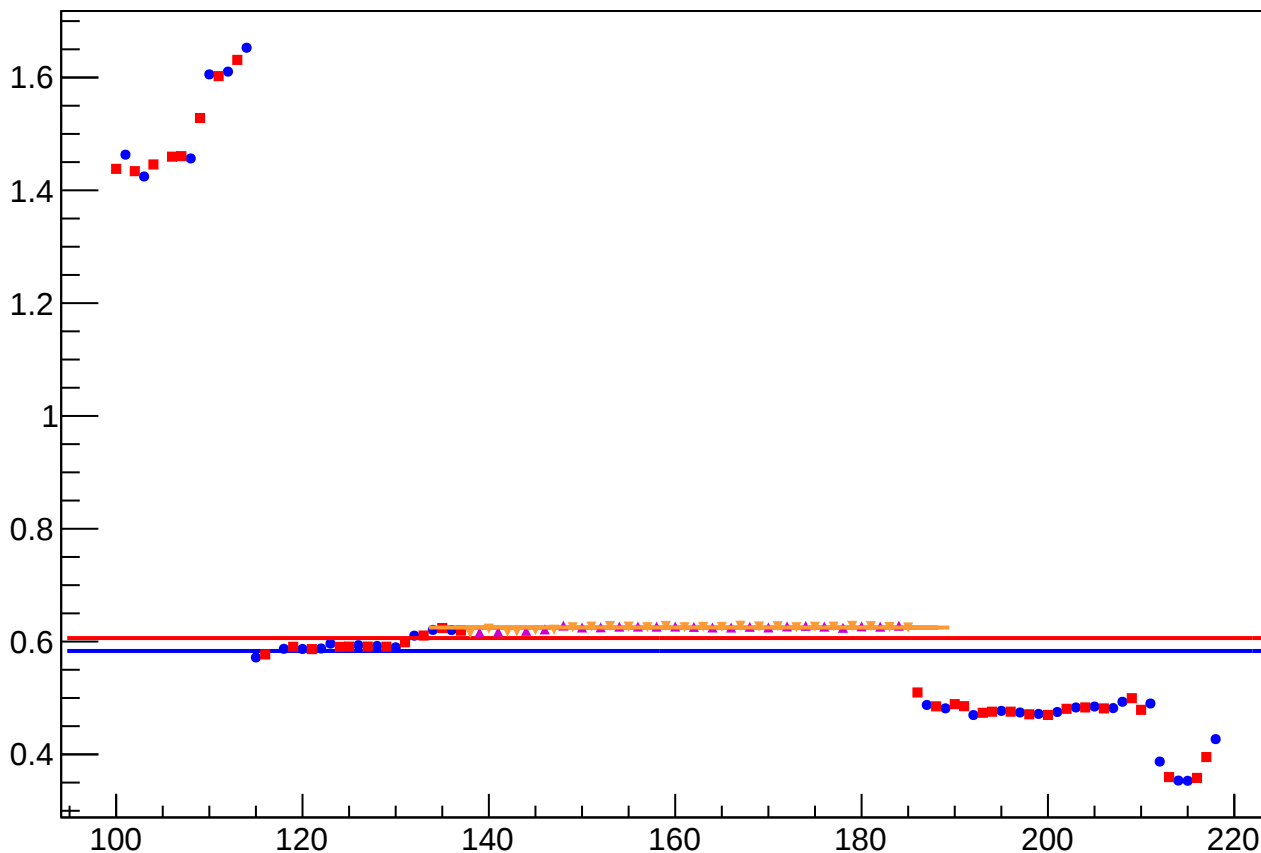
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 626443.5/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10884041.4/57

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 22136699.9/116

- sign 0.023 $\pm$ 0.000 χ^2 /NDF: 11236116.9/58

yield_bpm4aY_mean vs Slug



Right In: 0.583 $\pm$ 0.000 χ^2 /NDF: 5586823035.9/32

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.606 $\pm$ 0.000 χ^2 /NDF: 6580628874.0/35

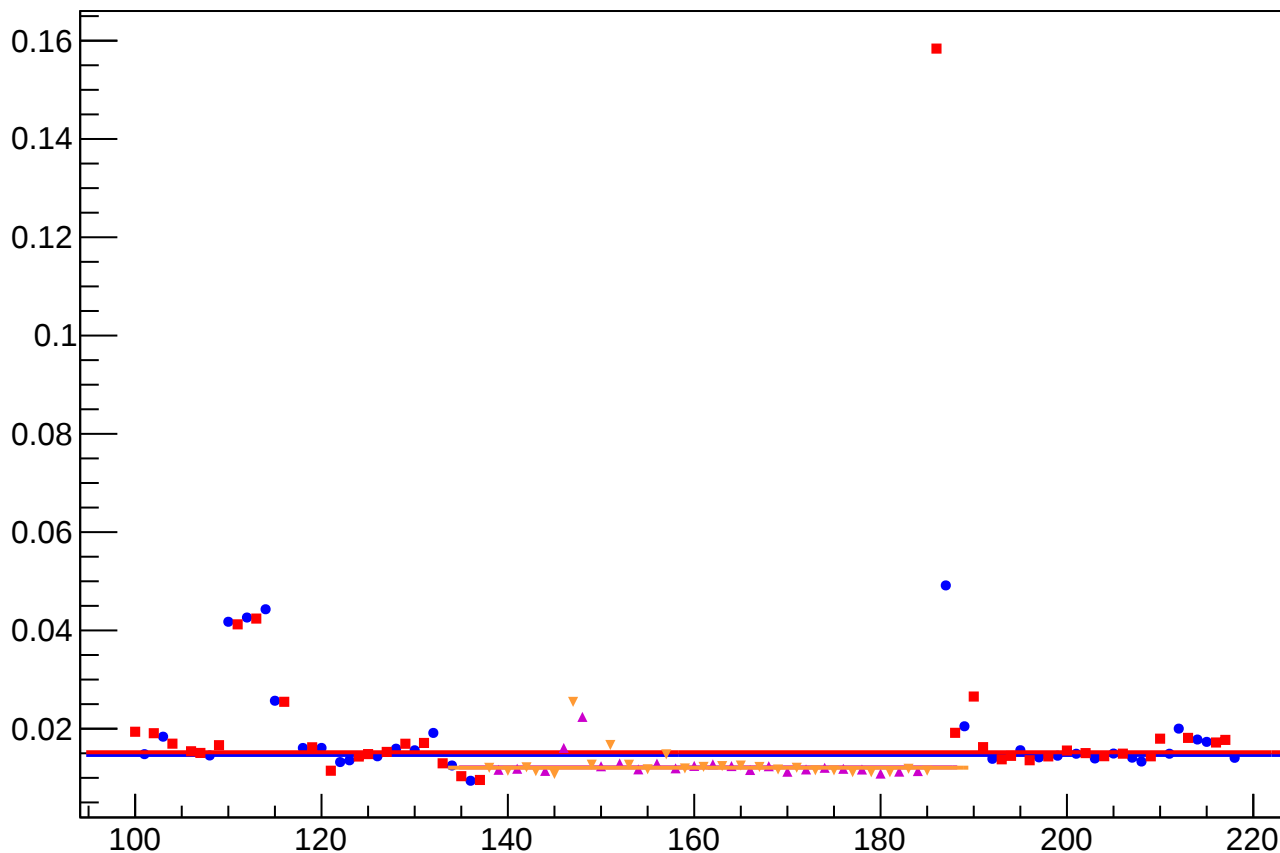
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.609 $\pm$ 0.000 χ^2 /NDF: 5669236217.6/57

All: 0.613 $\pm$ 0.000 χ^2 /NDF: 12273627718.4/1

- sign 0.618 $\pm$ 0.000 χ^2 /NDF: 6597052165.4/58

yield_bpm4aY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1845486.2/32

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2214490.9/35

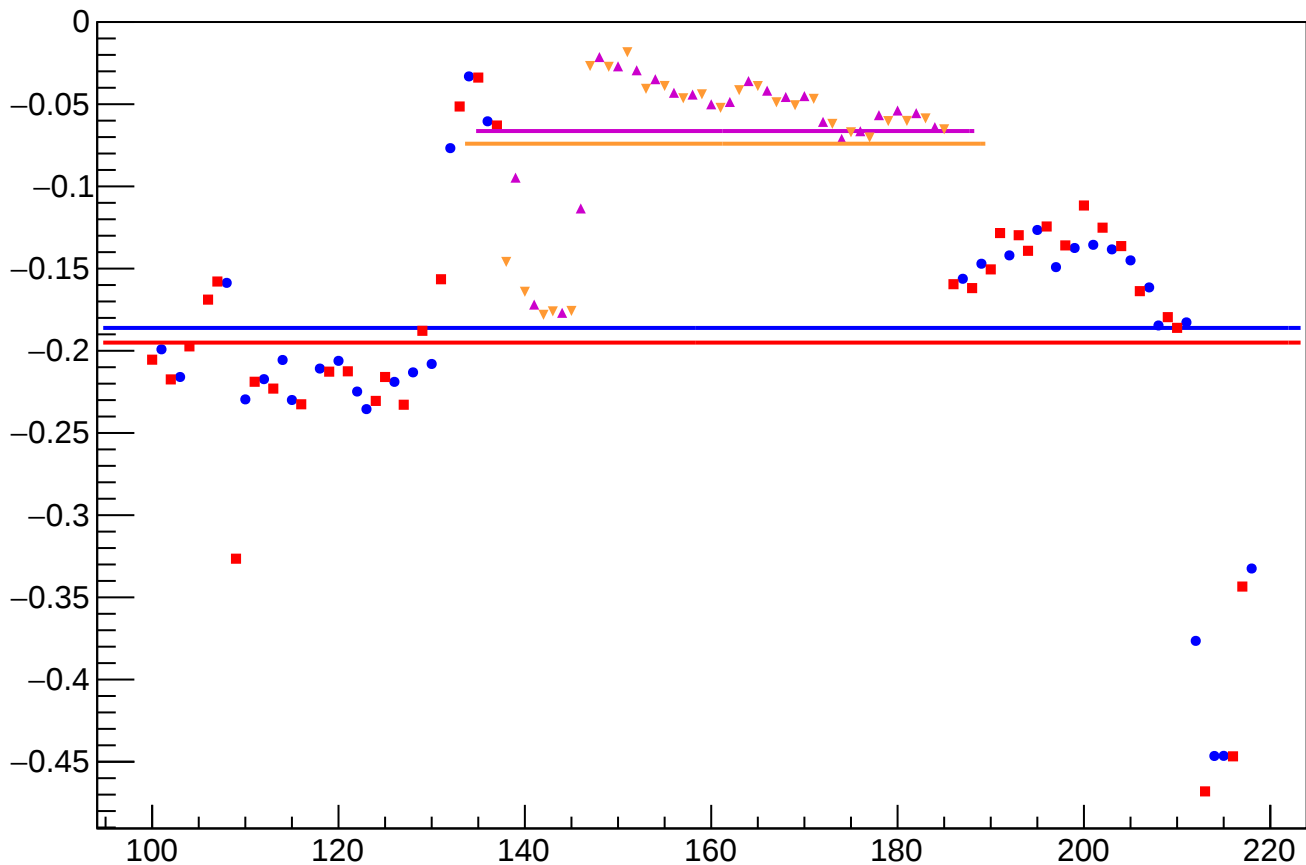
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3133886.2/57

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6682943.2/116

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3536409.9/58

yield_bpm4eX_mean vs Slug



Right In: -0.186 ± 0.000 χ^2/NDF : 127699386.1/32

Left Out: -0.074 ± 0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.195 ± 0.000 χ^2/NDF : 134428486.4/35

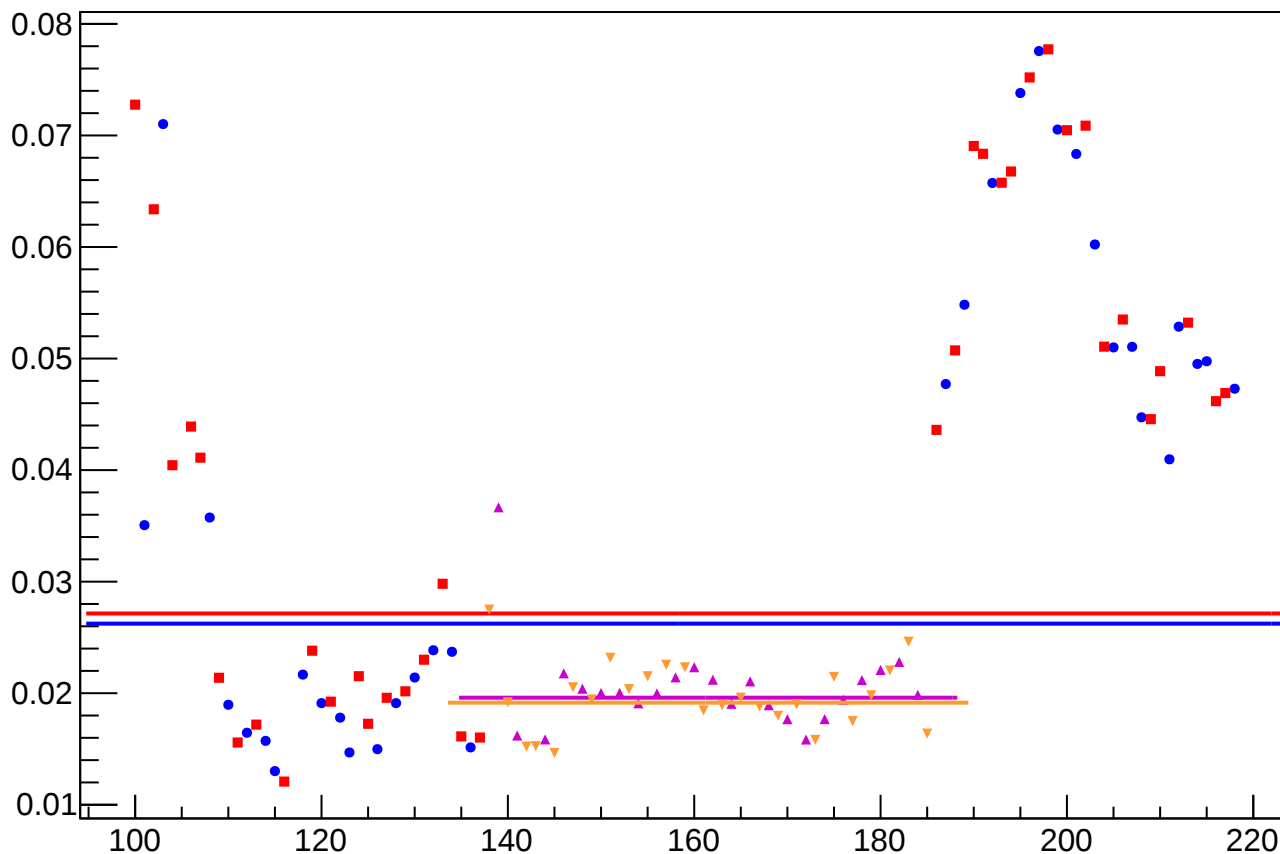
Left In: -0.066 ± 0.000 χ^2/NDF : 76243051.8/22

+ sign -0.108 ± 0.000 χ^2/NDF : 391133850.2/57

All: -0.107 ± 0.000 χ^2/NDF : 795245877.1/111

- sign -0.107 ± 0.000 χ^2/NDF : 404082658.4/58

yield_bpm4eX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 9130494.8/32

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641277.0/24

Right Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 9280764.7/35

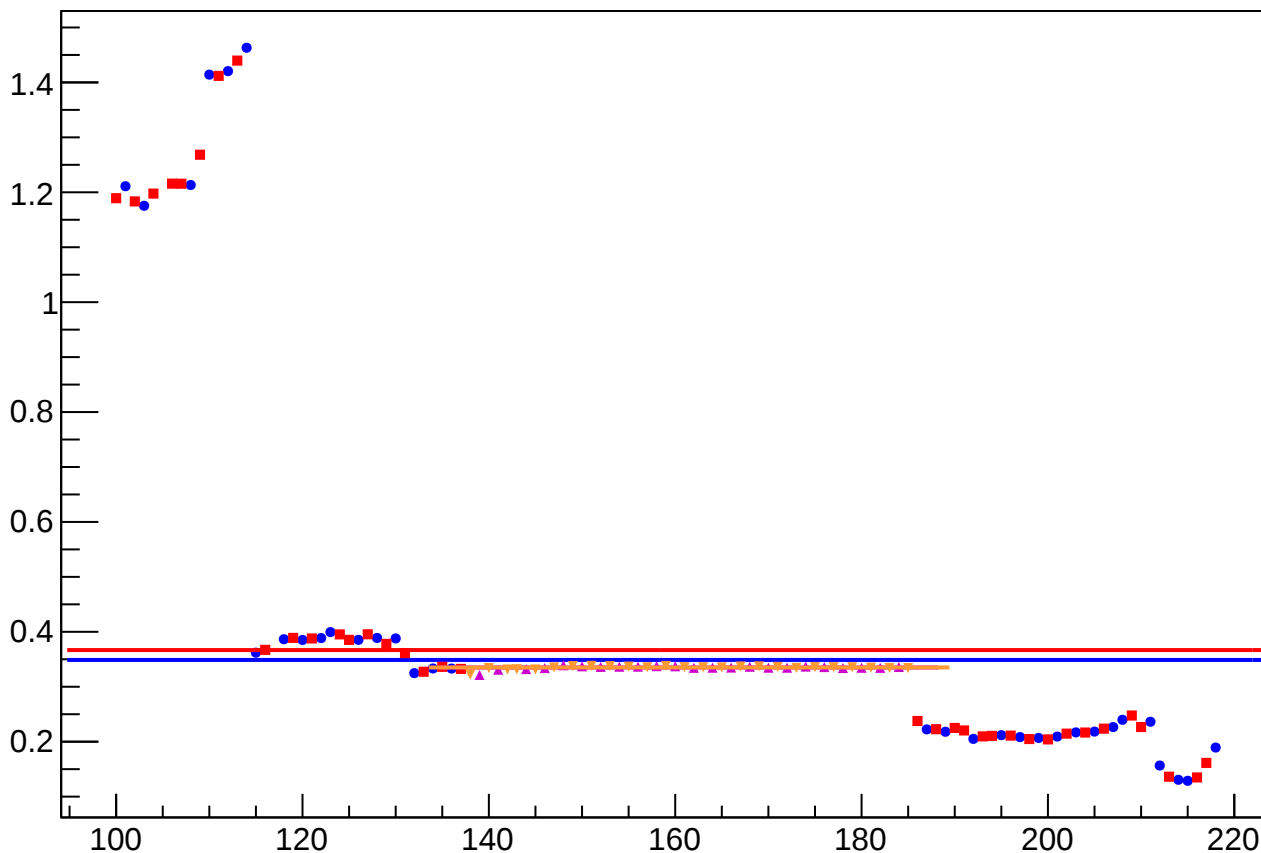
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:623148.2/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 11017297.4/57

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 22278270.2/116

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11234531.8/58

yield_bpm4eY_mean vs Slug



Right In: 0.349 $\pm$ 0.000 χ^2 /NDF: 8045769490.3/32

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1154310.3/24

Right Out: 0.367 $\pm$ 0.000 χ^2 /NDF: 9071387429.7/35

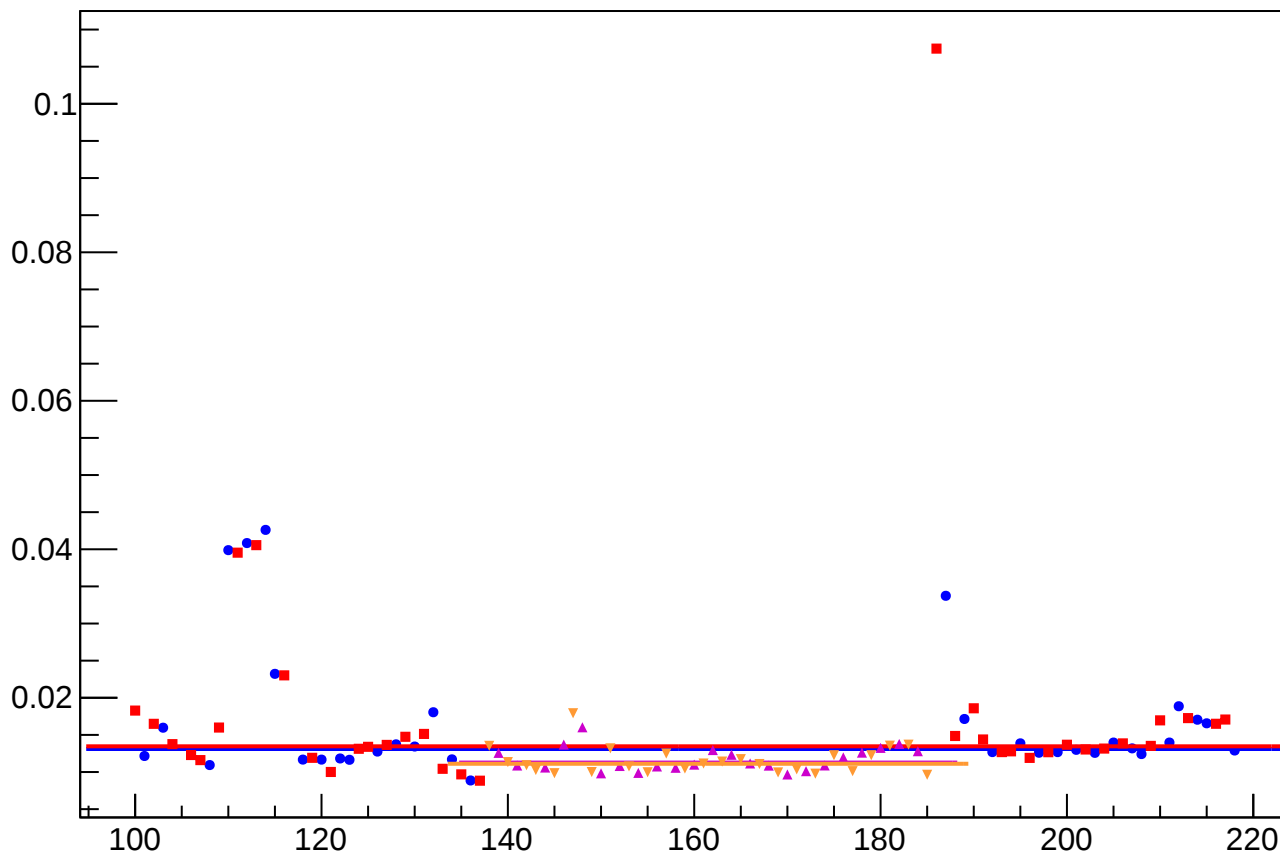
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1202194.8/22

+ sign 0.341 $\pm$ 0.000 χ^2 /NDF: 8057649066.2/57

All: 0.344 $\pm$ 0.000 χ^2 /NDF: 17190890149.9/1

- sign 0.348 $\pm$ 0.000 χ^2 /NDF: 9126745700.0/58

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1827546.3/32

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 607532.0/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2213576.8/35

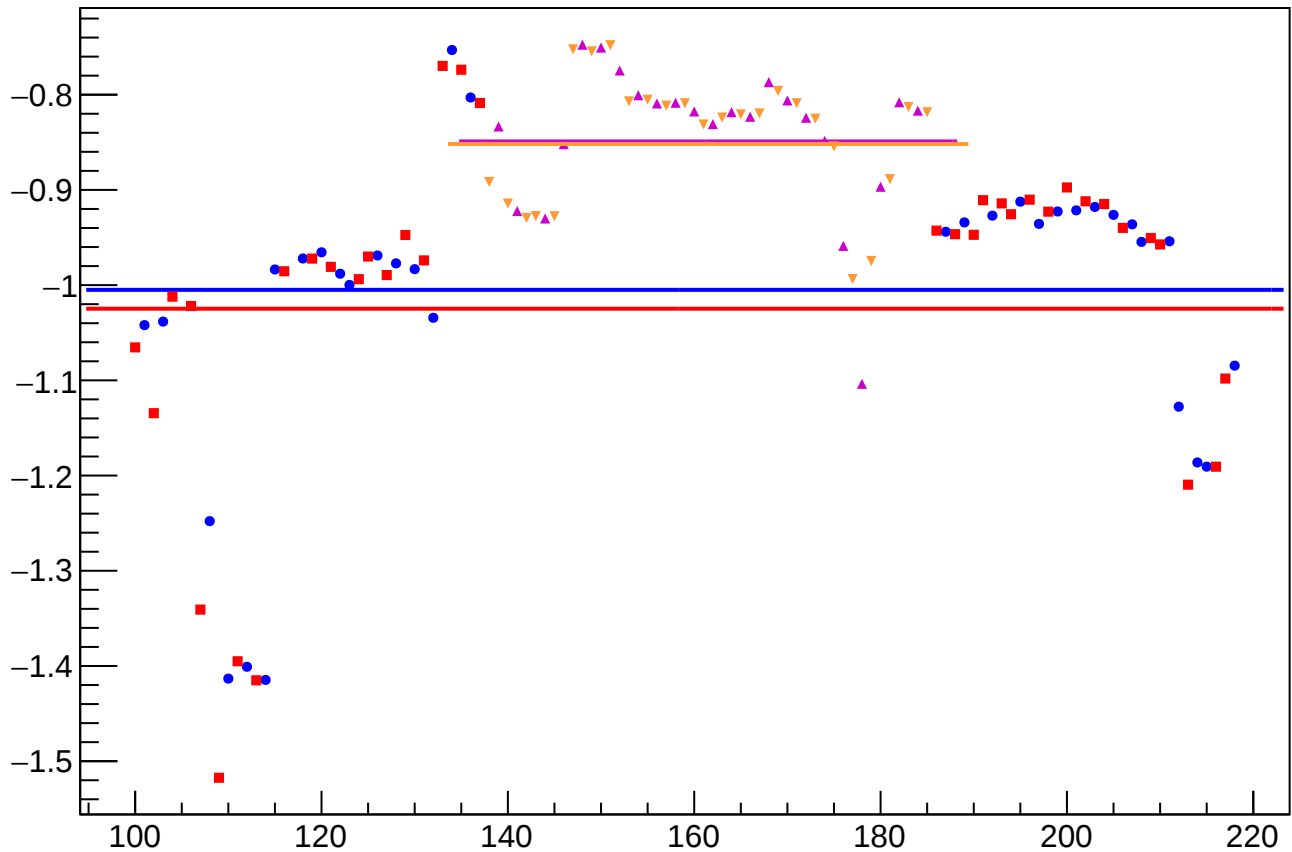
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 502455.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2886756.3/57

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 6134234.7/116

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3231472.5/58

yield_bpm4acX_mean vs Slug



Right In: -1.005 ± 0.000 χ^2/NDF : 429220680.3/32

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.025 ± 0.000 χ^2/NDF : 578106824.7/35

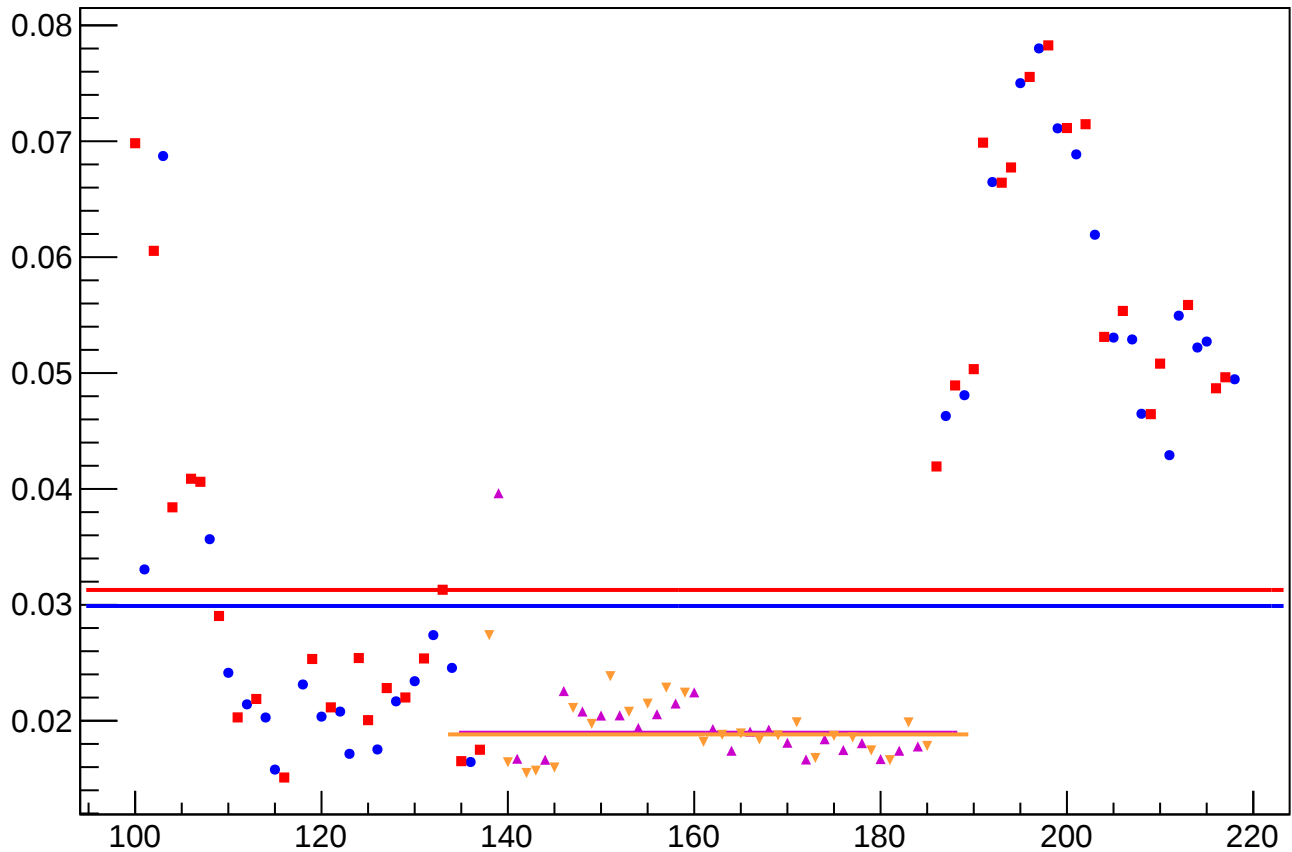
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.891 ± 0.000 χ^2/NDF : 870340561.9/57

All: -0.893 ± 0.000 χ^2/NDF : 2017864407.2/1

- sign -0.895 ± 0.000 χ^2/NDF : 1147110499.9/58

yield_bpm4acX_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 7718273.6/32

Left Out: 0.019+/-0.000 χ^2/NDF : 490509.4/24

Right Out: 0.031+/-0.000 χ^2/NDF : 7497379.3/35

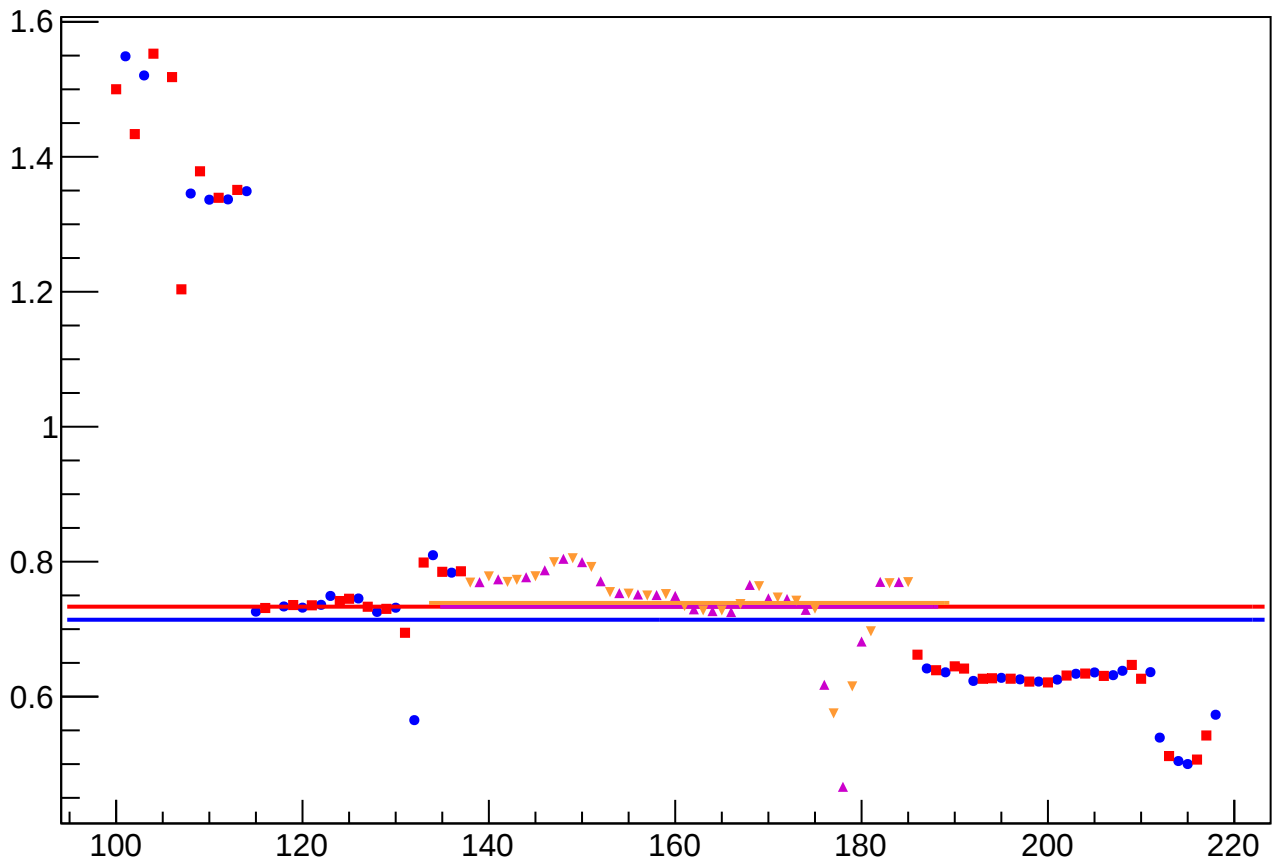
Left In: 0.019+/-0.000 χ^2/NDF : 615173.8/22

+ sign 0.022+/-0.000 χ^2/NDF : 10845500.5/57

All: 0.022+/-0.000 χ^2/NDF : 22047808.4/116

- sign 0.022+/-0.000 χ^2/NDF : 11187762.8/58

yield_bpm4acY_mean vs Slug



Right In: 0.714 $\pm$ 0.000 χ^2 /NDF: 3901389468.2/32

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

Right Out: 0.733 $\pm$ 0.000 χ^2 /NDF: 4184112416.1/35

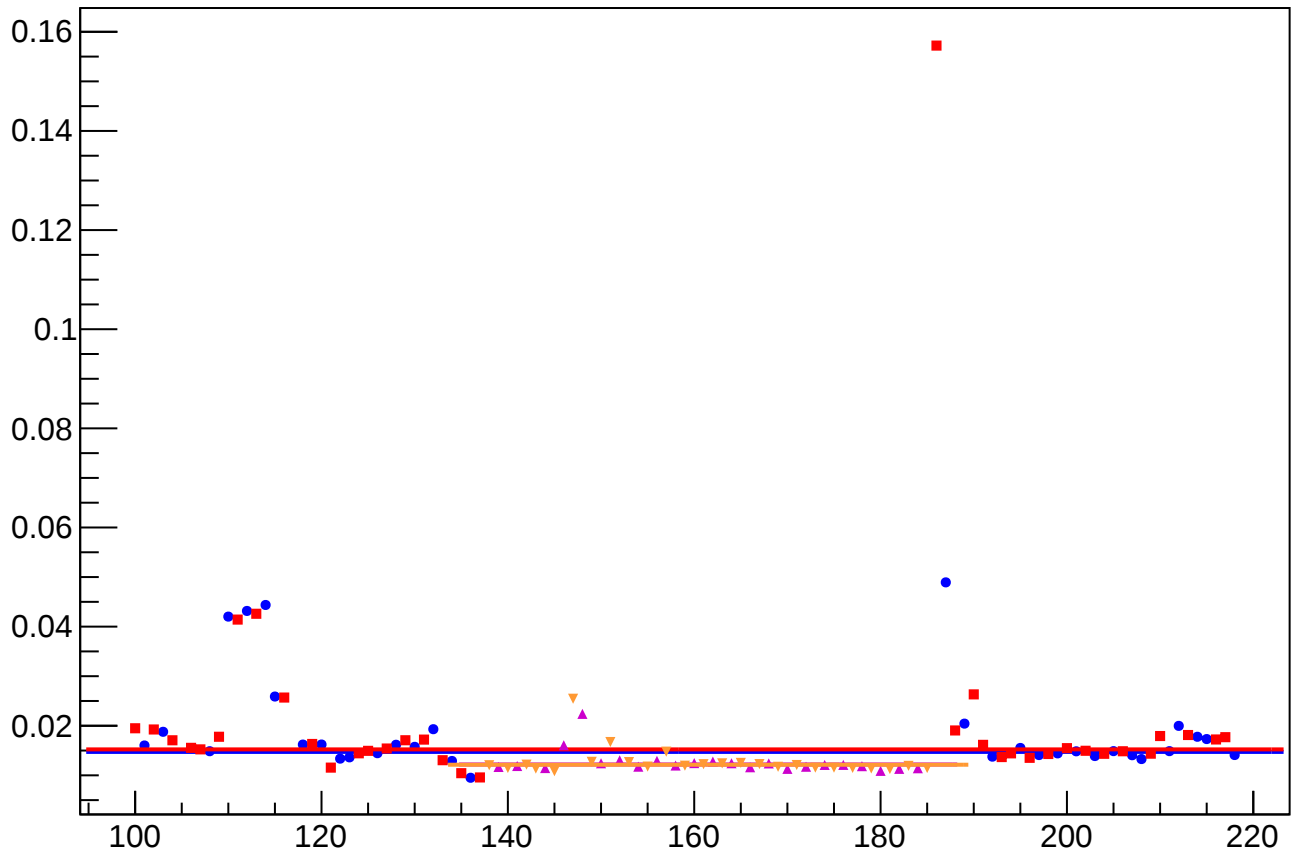
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

+ sign 0.729 $\pm$ 0.000 χ^2 /NDF: 4263107855.6/57

All: 0.731 $\pm$ 0.000 χ^2 /NDF: 9018401542.4/11

- sign 0.733 $\pm$ 0.000 χ^2 /NDF: 4753724221.4/58

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1840097.6/32

Left Out: 0.012+/-0.000 χ^2/NDF : 637986.2/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2215433.4/35

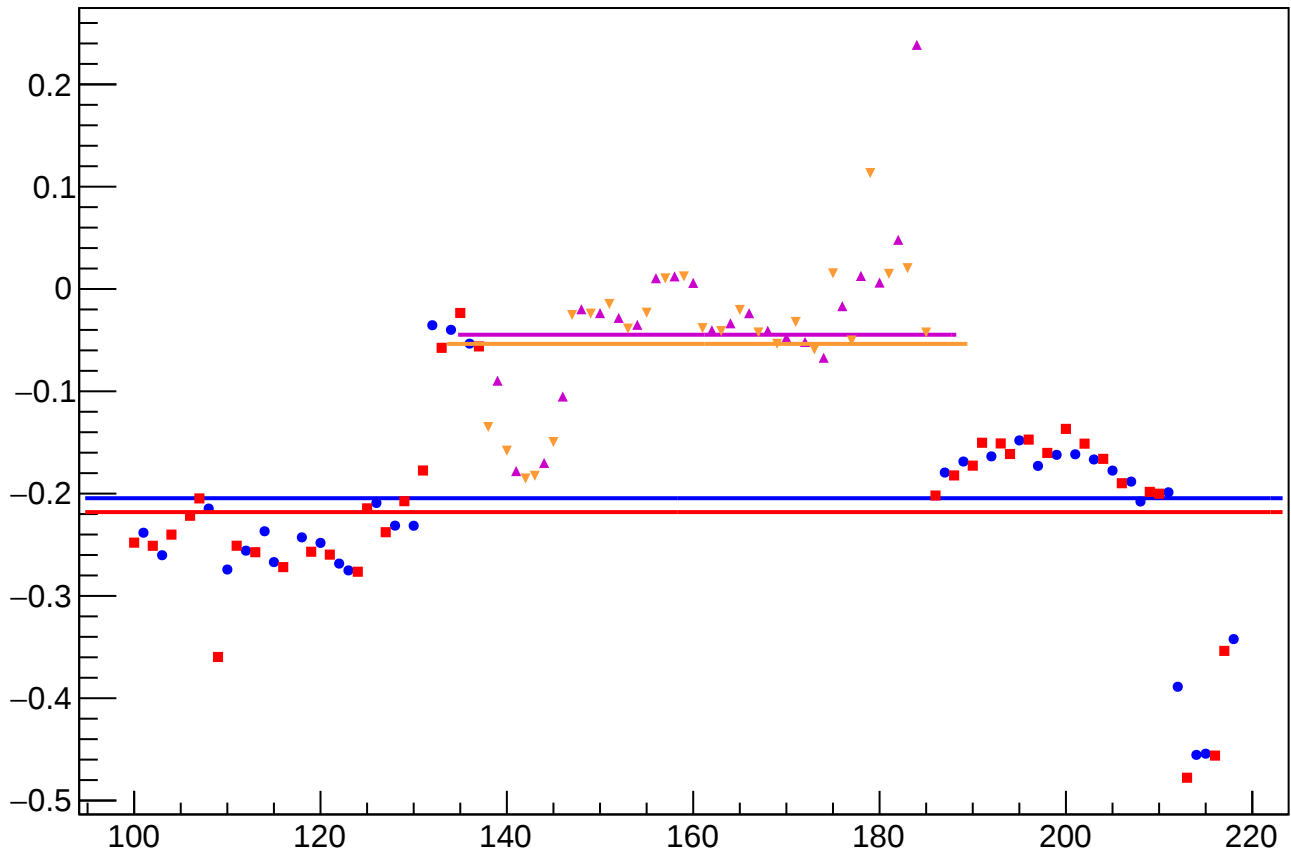
Left In: 0.012+/-0.000 χ^2/NDF : 481830.1/22

+ sign 0.013+/-0.000 χ^2/NDF : 3097962.8/57

All: 0.013+/-0.000 χ^2/NDF : 6617222.3/116

- sign 0.013+/-0.000 χ^2/NDF : 3508656.3/58

yield_bpm4ecX_mean vs Slug



Right In: -0.204+/-0.000 χ^2/NDF : 160407795.0/32

Left Out: -0.054+/-0.000 χ^2/NDF : 167834173.6/24

Right Out: -0.218+/-0.000 χ^2/NDF : 156246703.8/35

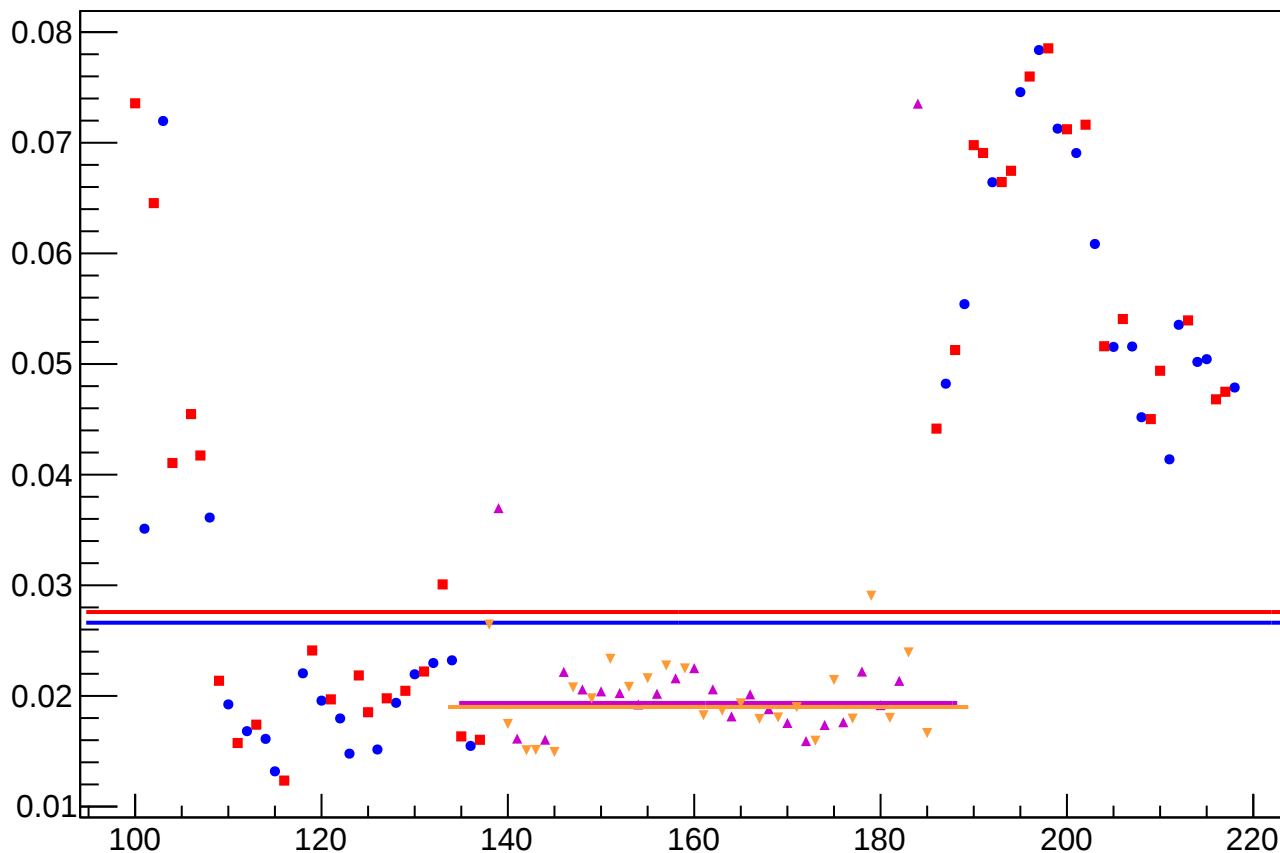
Left In: -0.045+/-0.000 χ^2/NDF : 127192425.2/22

+ sign -0.099+/-0.000 χ^2/NDF : 603881216.0/57

All: -0.099+/-0.000 χ^2/NDF : 1230359890.5/1

- sign -0.098+/-0.000 χ^2/NDF : 626471720.4/58

yield_bpm4ecX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 9065116.9/32

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9219473.2/35

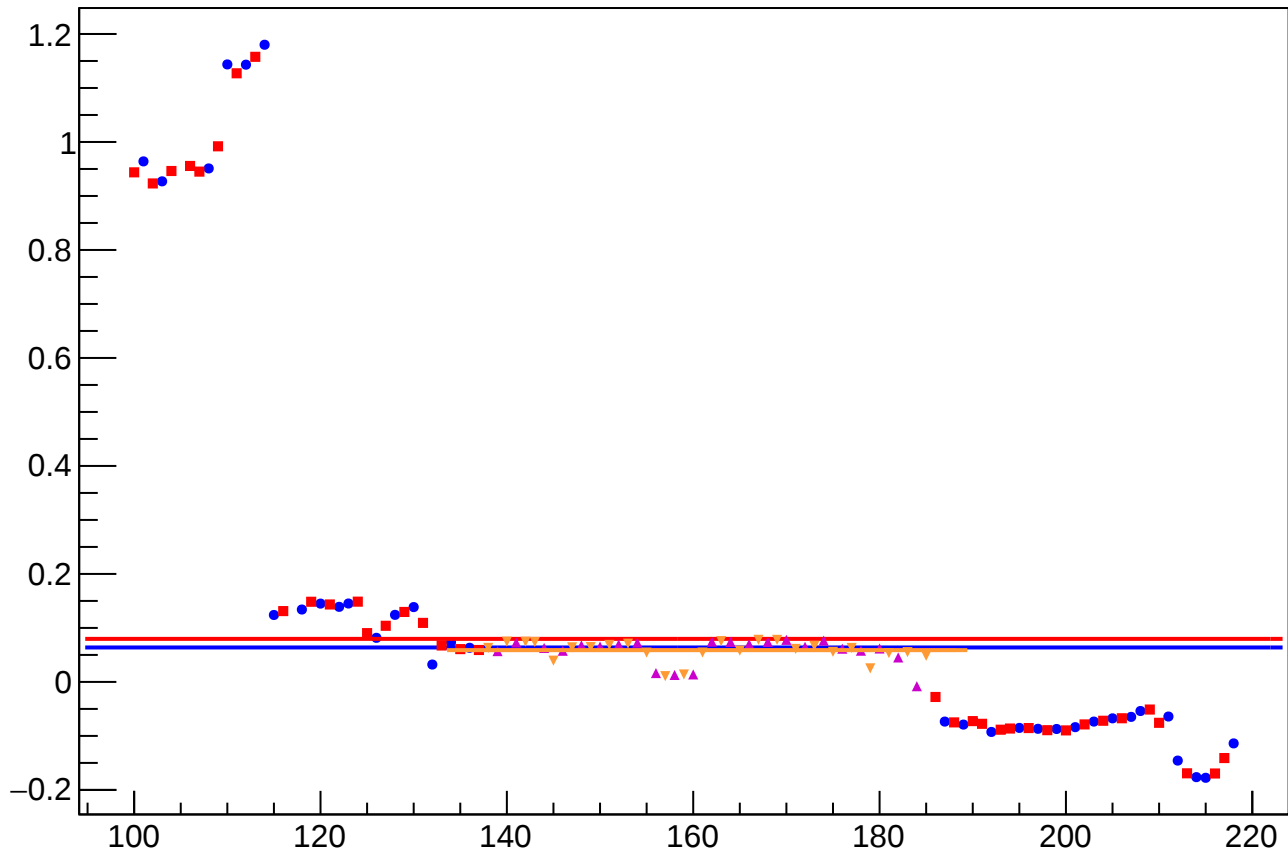
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 11172875.5/57

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 22814924.4/116

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11620156.9/58

yield_bpm4ecY_mean vs Slug



Right In: 0.064 $\pm$ 0.000 χ^2 /NDF: 8792643596.7/32

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46821236.8/24

+ sign 0.061 $\pm$ 0.000 χ^2 /NDF: 8840892607.6/57

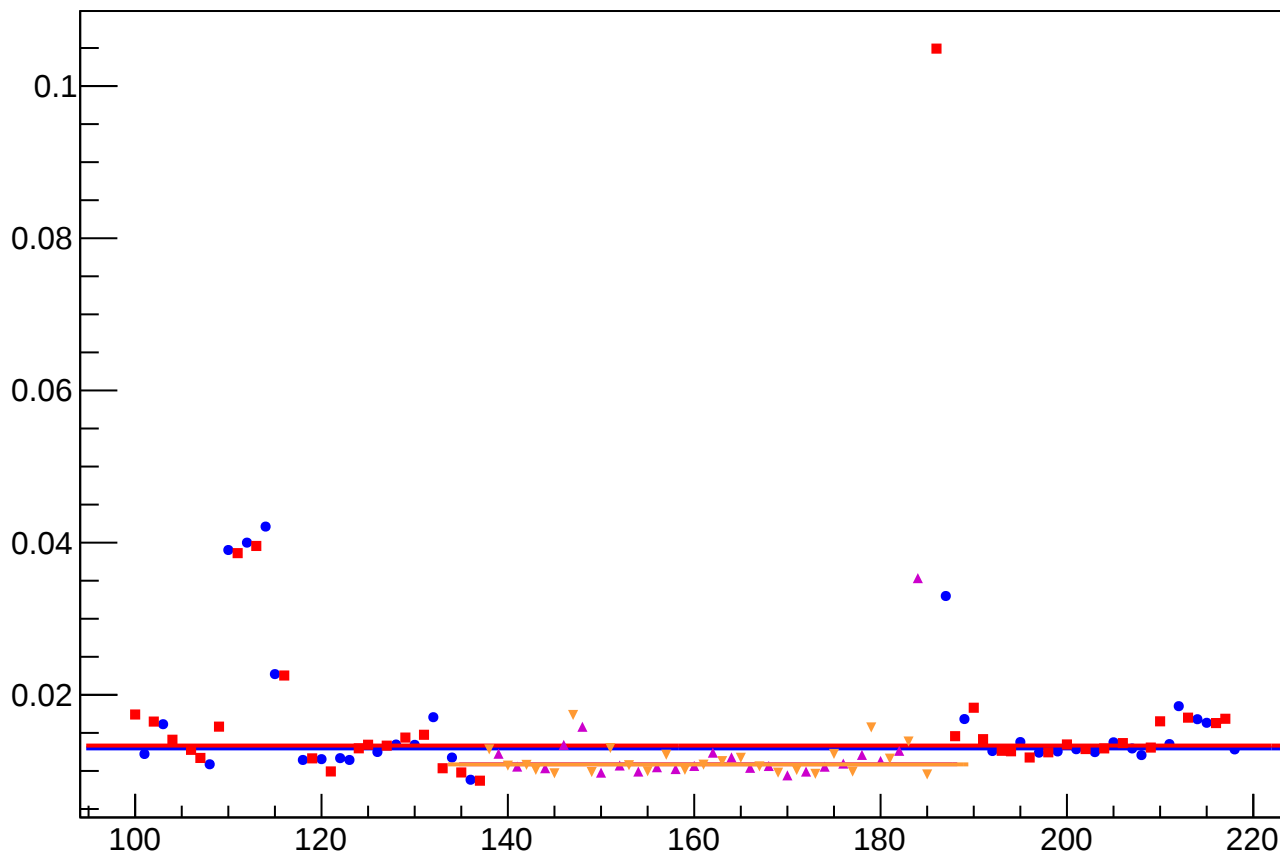
Right Out: 0.080 $\pm$ 0.000 χ^2 /NDF: 9645648795.8/35

All: 0.064 $\pm$ 0.000 χ^2 /NDF: 18573873963.4/1

- sign 0.068 $\pm$ 0.000 χ^2 /NDF: 9727778248.0/58

Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58518655.0/22

yield_bpm4ecY_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 1779830.8/32

Left Out: 0.011 ± 0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 2152420.8/35

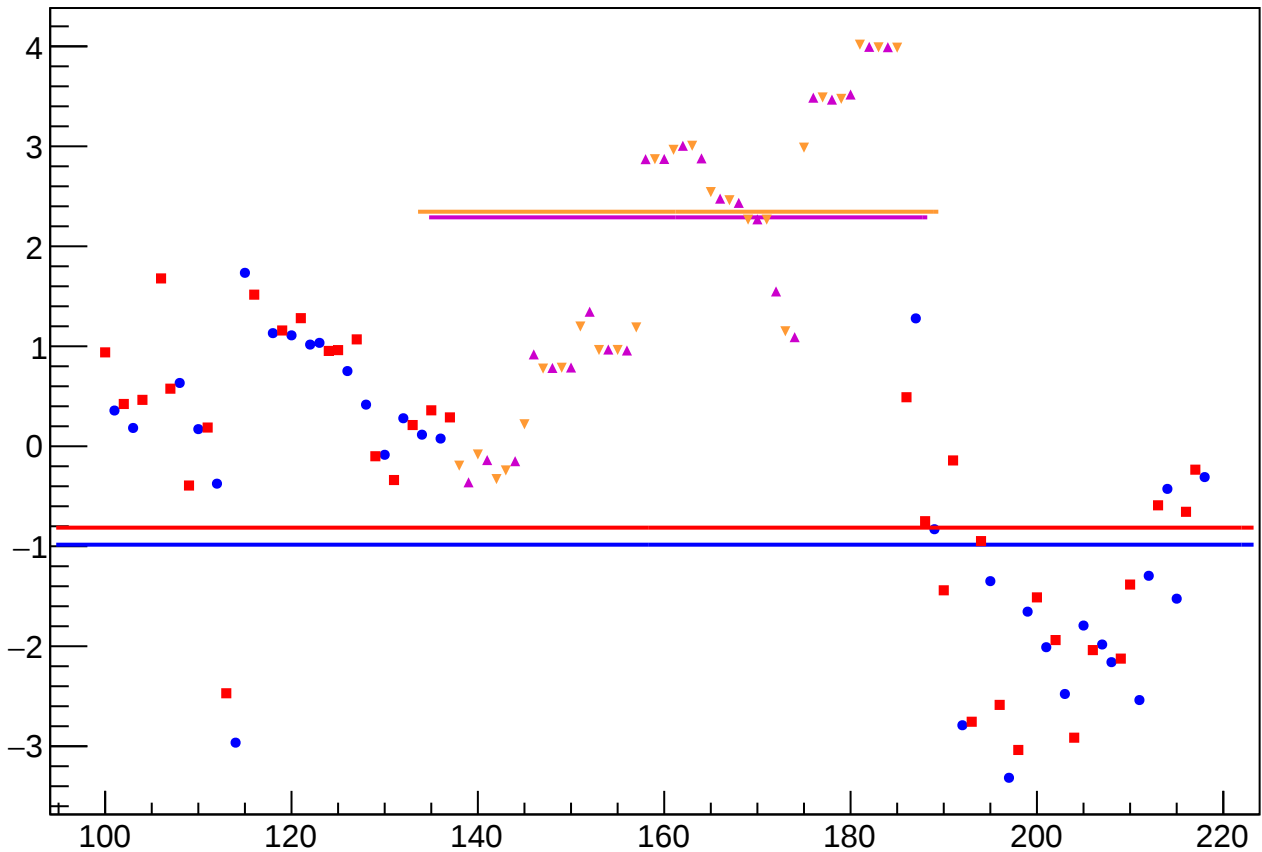
Left In: 0.011 ± 0.000 χ^2/NDF : 530077.5/22

+ sign 0.012 ± 0.000 χ^2/NDF : 2899812.5/57

All: 0.012 ± 0.000 χ^2/NDF : 6251134.7/116

- sign 0.012 ± 0.000 χ^2/NDF : 3344038.0/58

yield_bpm1X_mean vs Slug



Right In: -0.984 ± 0.000 χ^2/NDF : 7958406930.5/32

Left Out: 2.346 ± 0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.814 ± 0.000 χ^2/NDF : 8292913378.4/35

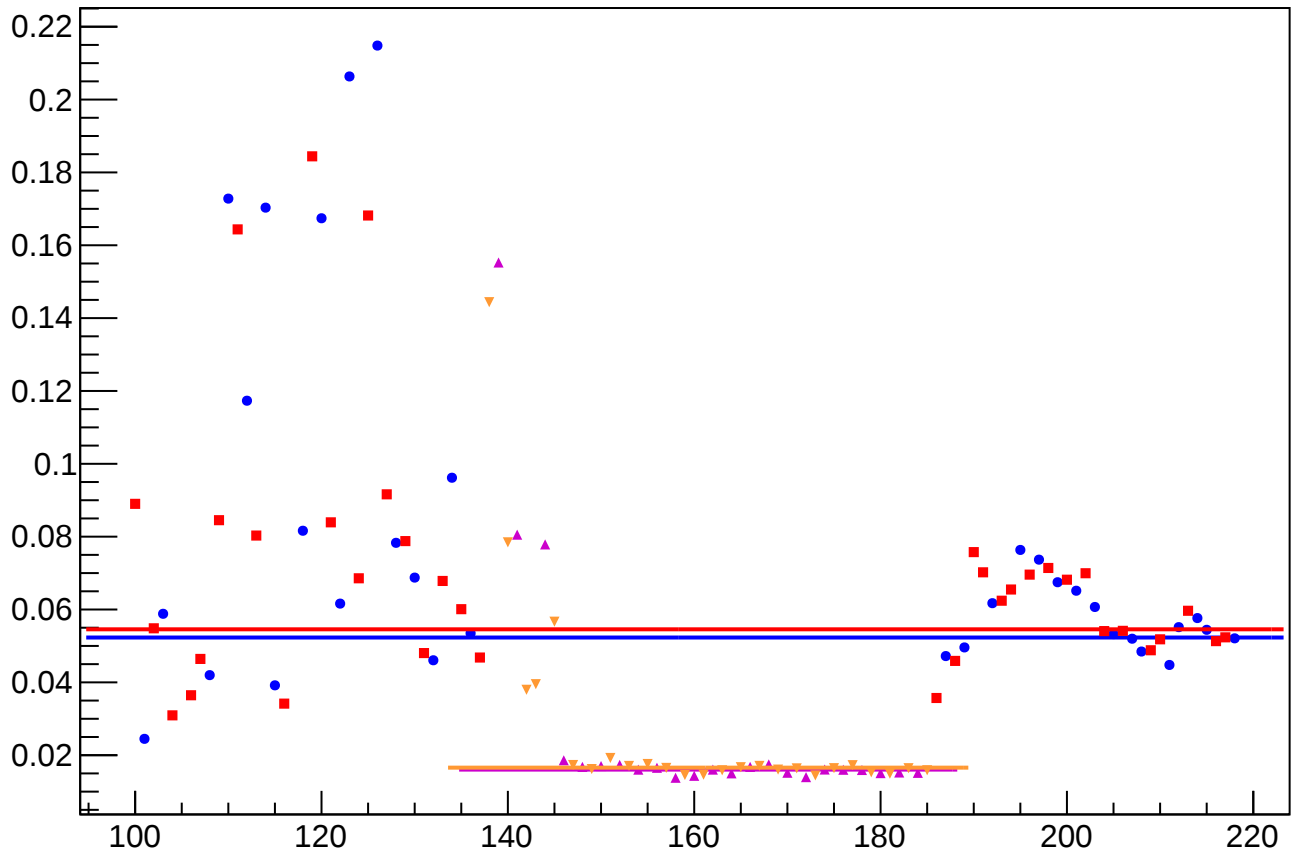
Left In: 2.290 ± 0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.040 ± 0.000 χ^2/NDF : 123347365815.6/57

All: 2.029 ± 0.000 χ^2/NDF : 236180662645.6

- sign 2.018 ± 0.000 χ^2/NDF : 112819898302.9/58

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3567004.0/32

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2881852.7/35

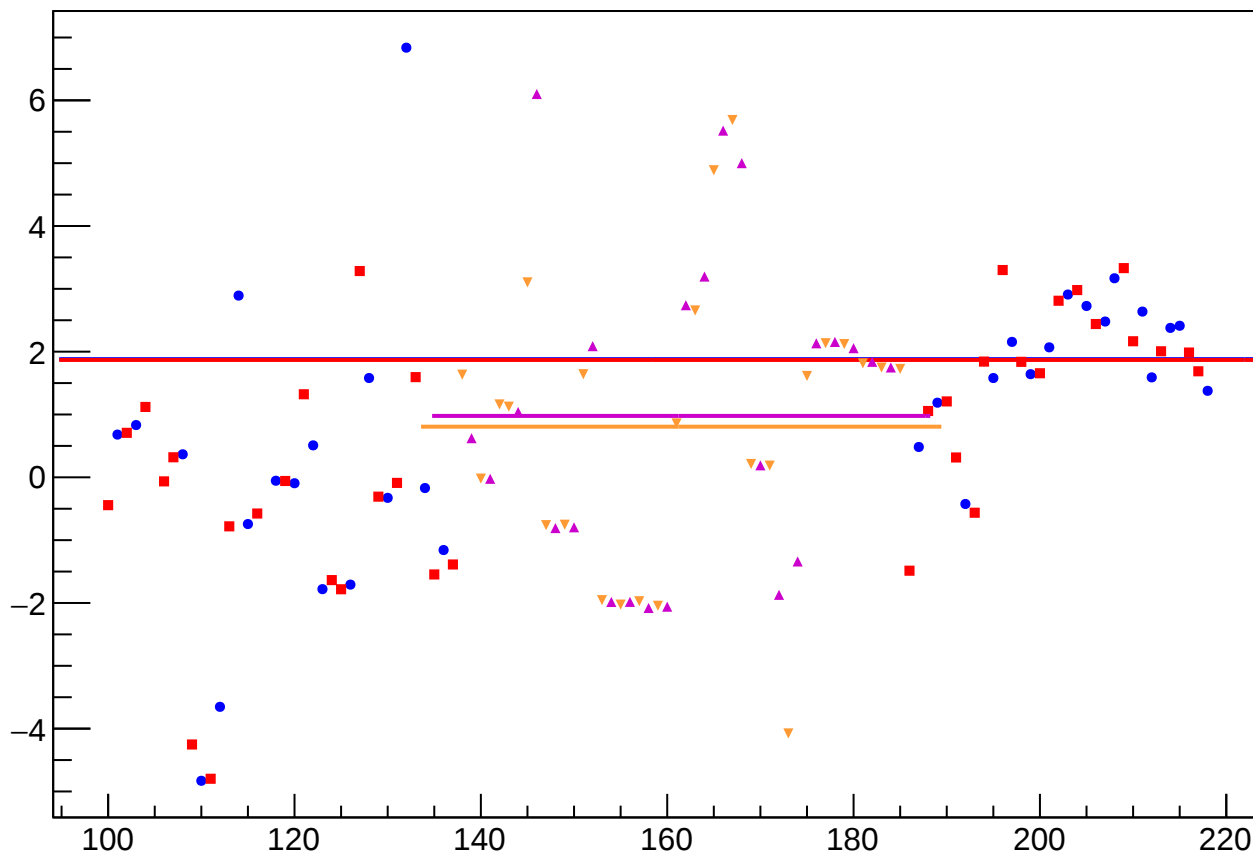
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 18134603.2/57

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 36870849.2/116

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 18724673.6/58

yield_bpm1Y_mean vs Slug



Right In: 1.881 $\pm$ 0.000 χ^2 /NDF: 40073748447.9/32

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF: 507578952196.2/24

Right Out: 1.868 $\pm$ 0.000 χ^2 /NDF: 39700094476.0/35

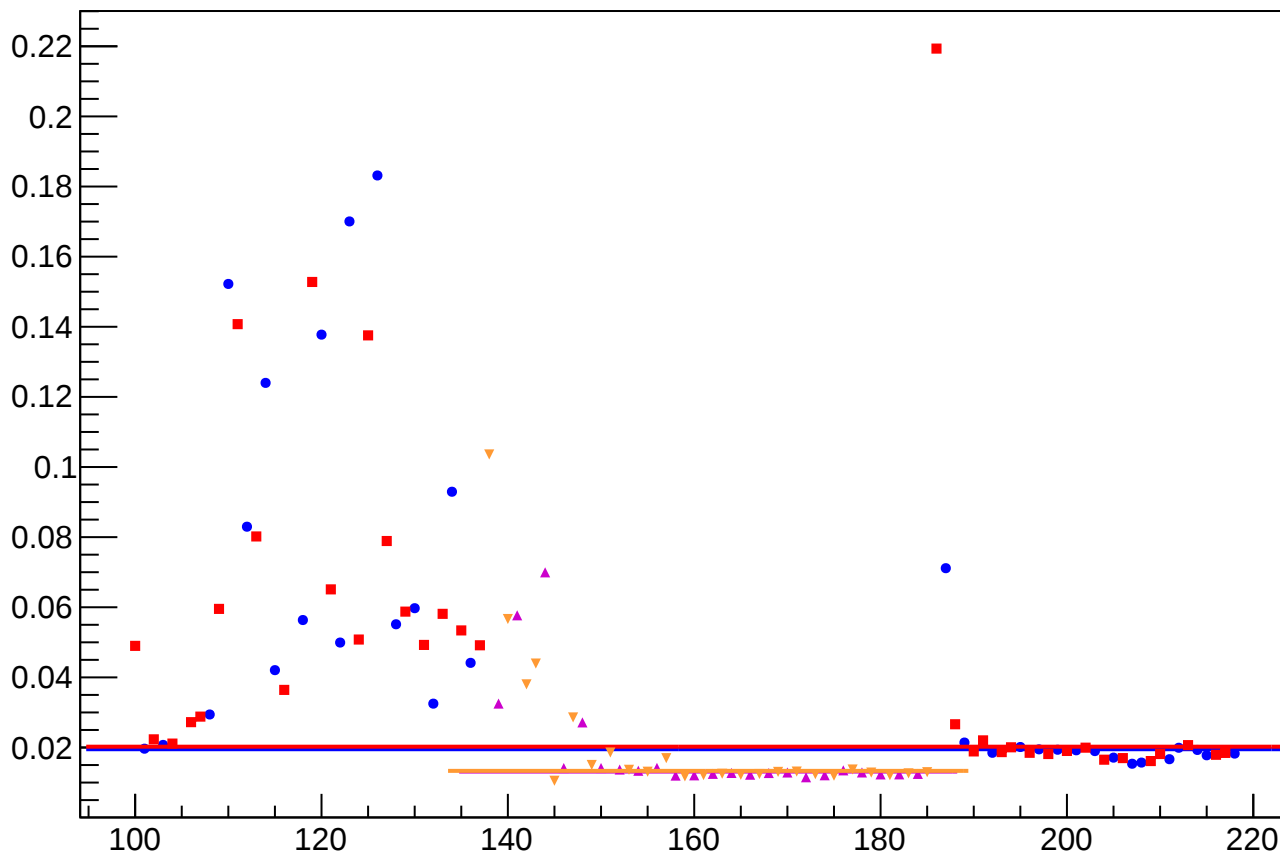
Left In: 0.977 $\pm$ 0.000 χ^2 /NDF: 568209676597.4/22

+ sign 1.111 $\pm$ 0.000 χ^2 /NDF: 575420134503.9/57

All: 1.164 $\pm$ 0.000 χ^2 /NDF: 1202320112490.

- sign 1.219 $\pm$ 0.000 χ^2 /NDF: 626210169628.2/58

yield_bpm1Y_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 4216989.7/32

Left Out: 0.013+/-0.000 χ^2/NDF :2829753.9/24

Right Out: 0.020+/-0.000 χ^2/NDF : 5204038.9/35

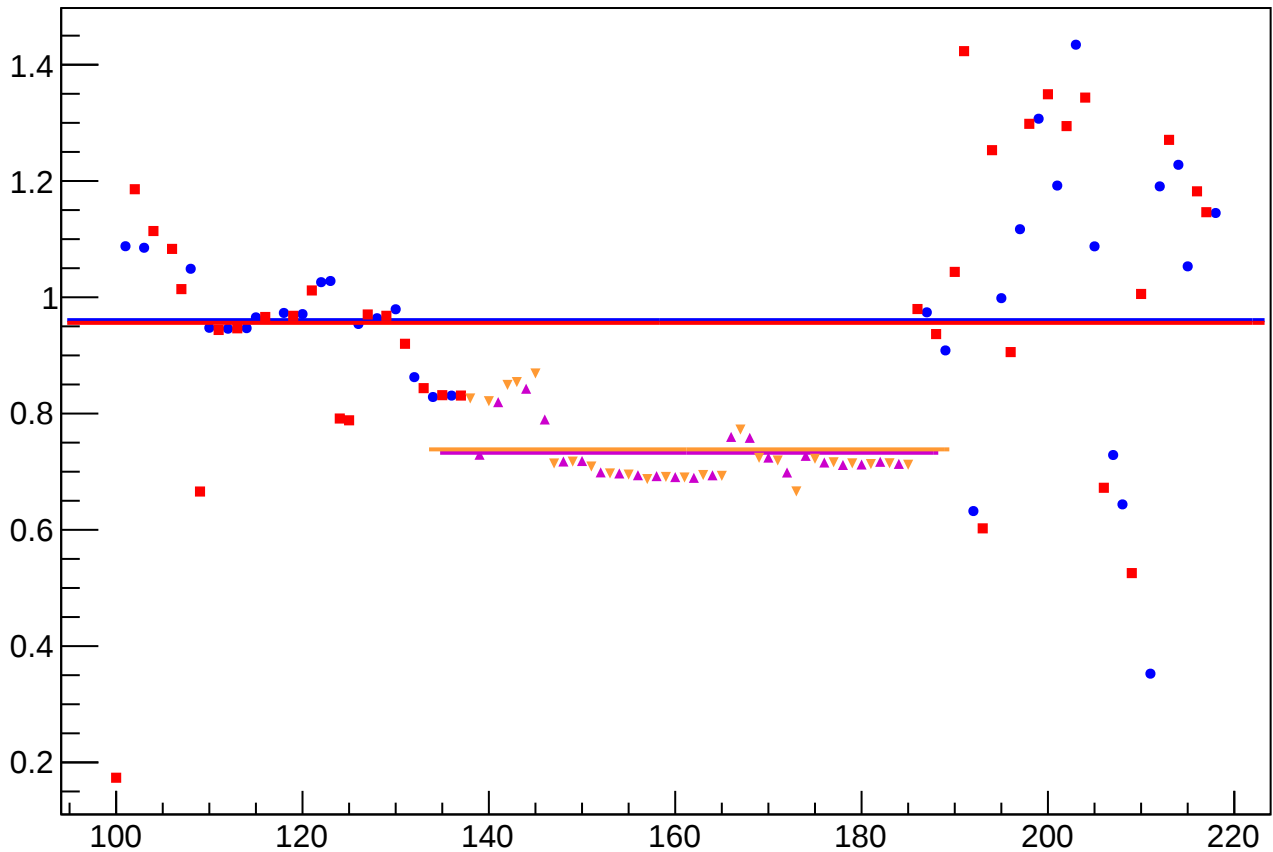
Left In: 0.013+/-0.000 χ^2/NDF :1946693.6/22

+ sign 0.015+/-0.000 χ^2/NDF : 8878721.1/57

All: 0.015+/-0.000 χ^2/NDF : 18351850.8/116

- sign 0.015+/-0.000 χ^2/NDF : 9473042.8/58

yield_bpm11X_mean vs Slug



Right In: 0.961+/-0.000 χ^2/NDF : 1014414036.4/32

Left Out: 0.738+/-0.000 χ^2/NDF : 310195180.4/24

+ sign 0.811+/-0.000 χ^2/NDF : 2711830397.3/57

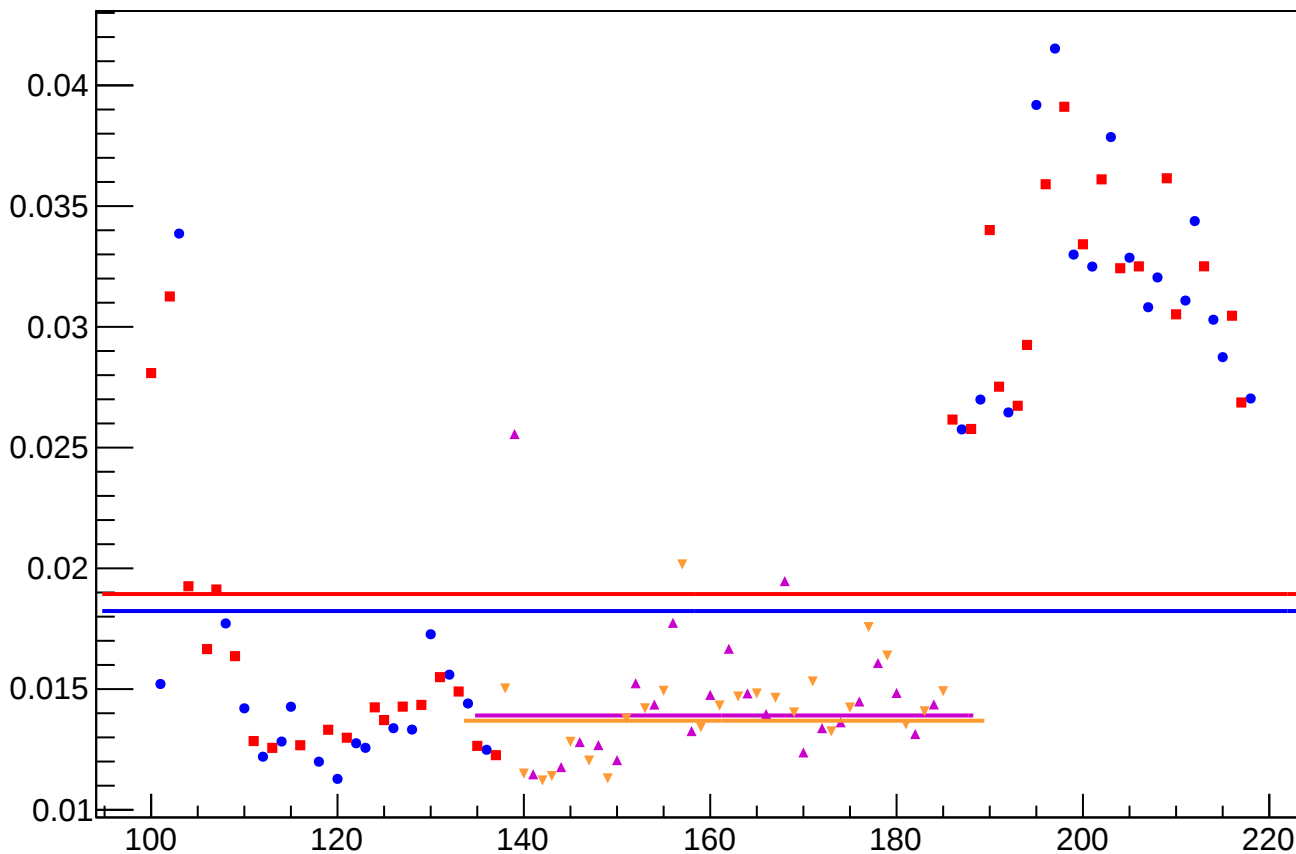
Right Out: 0.956+/-0.000 χ^2/NDF : 1277616301.3/35

All: 0.809+/-0.000 χ^2/NDF : 5504484762.0/11

- sign 0.808+/-0.000 χ^2/NDF : 2792176625.2/58

Left In: 0.733+/-0.000 χ^2/NDF : 170102394.7/22

yield_bpm11X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF : 5755768.3/32

Left Out: 0.014+/-0.000 χ^2/NDF : 528480.6/24

Right Out: 0.019+/-0.000 χ^2/NDF : 5115984.5/35

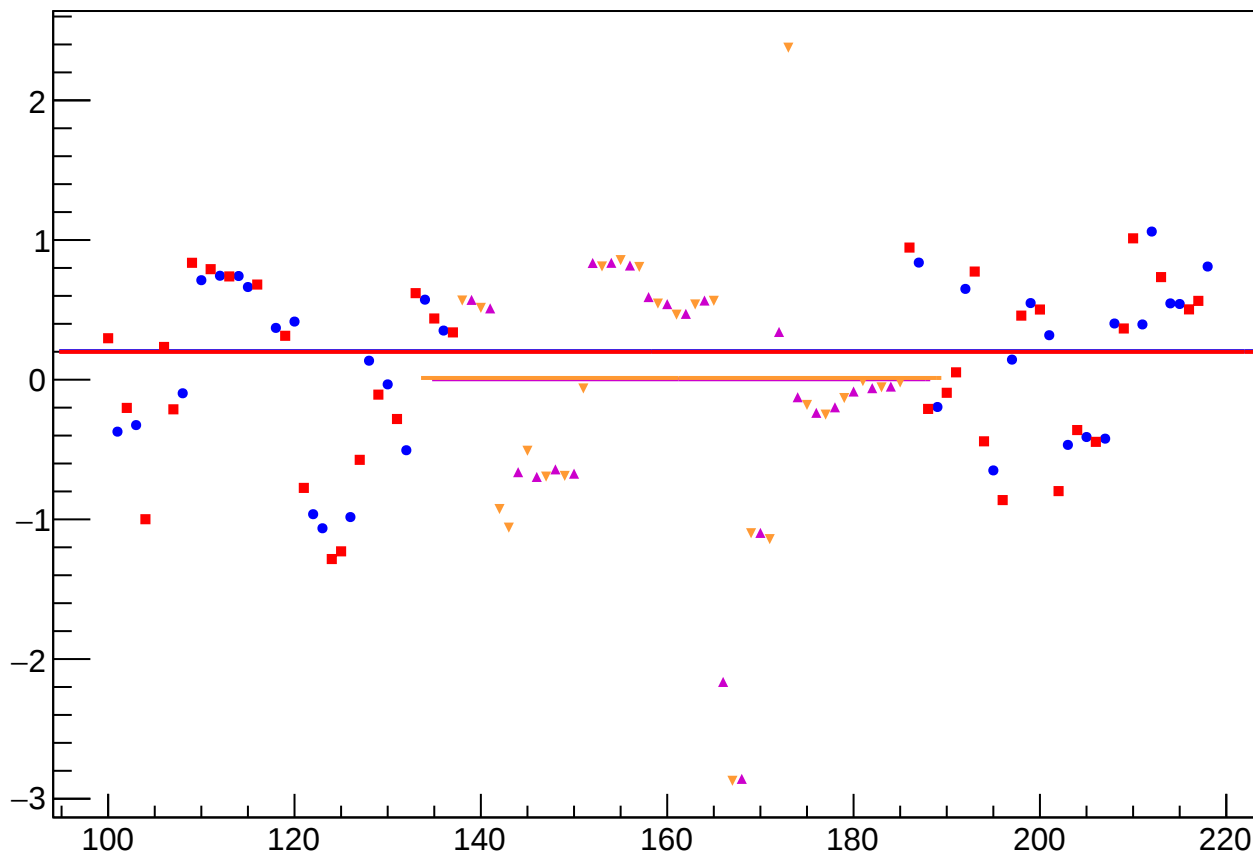
Left In: 0.014+/-0.000 χ^2/NDF : 768161.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 7442628.1/57

All: 0.015+/-0.000 χ^2/NDF : 14711911.9/116

- sign 0.016+/-0.000 χ^2/NDF : 7245745.1/58

yield_bpm11Y_mean vs Slug



Right In: 0.204 $\pm$ 0.000 χ^2 /NDF: 34028340894.8/32

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:96383858927.1/24

Right Out: 0.199 $\pm$ 0.000 χ^2 /NDF: 42711179391.2/35

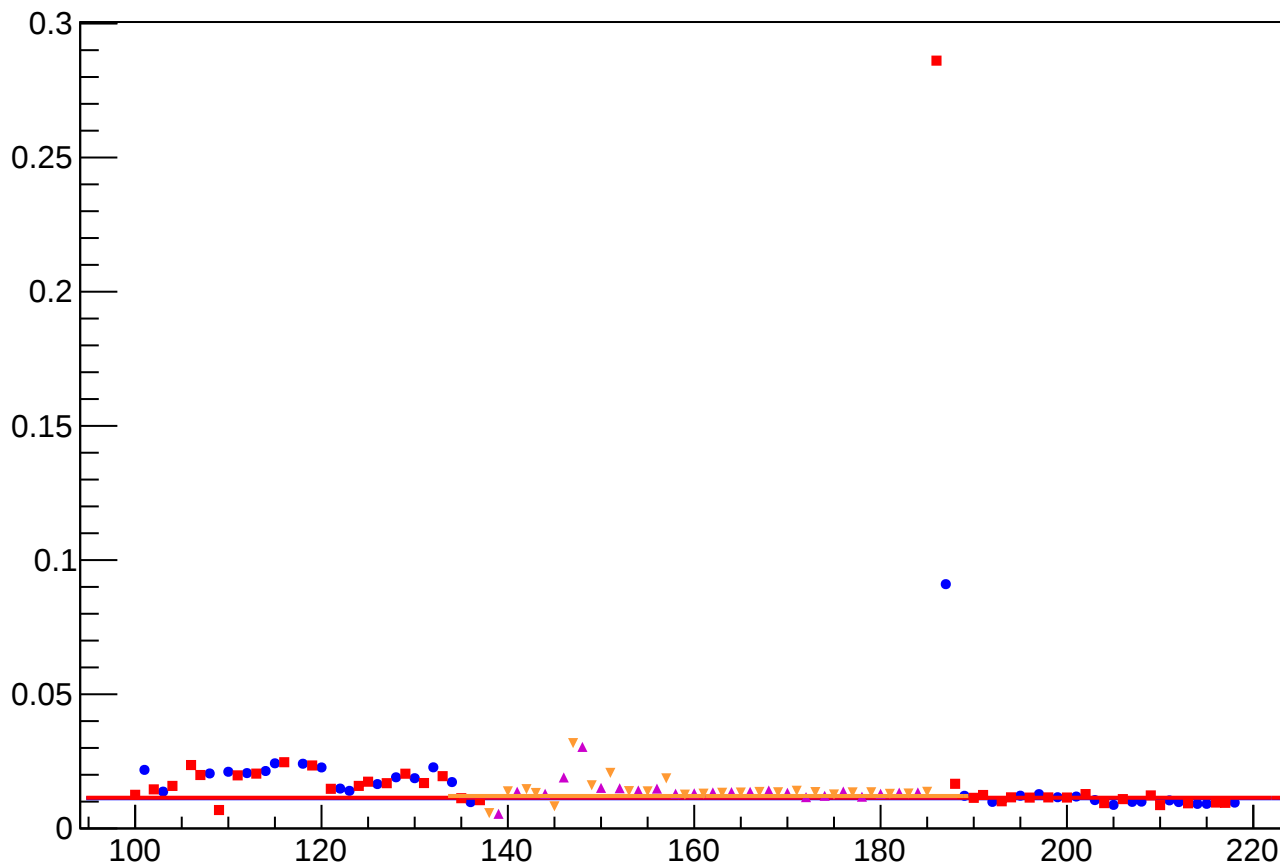
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:78826489573.0/22

+ sign 0.113 $\pm$ 0.000 χ^2 /NDF: 132517396787.7/57

All: 0.110 $\pm$ 0.000 χ^2 /NDF: 256177439740.0

- sign 0.107 $\pm$ 0.000 χ^2 /NDF: 123655496041.2/58

yield_bpm11Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 2660710.2/32

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 3085191.1/35

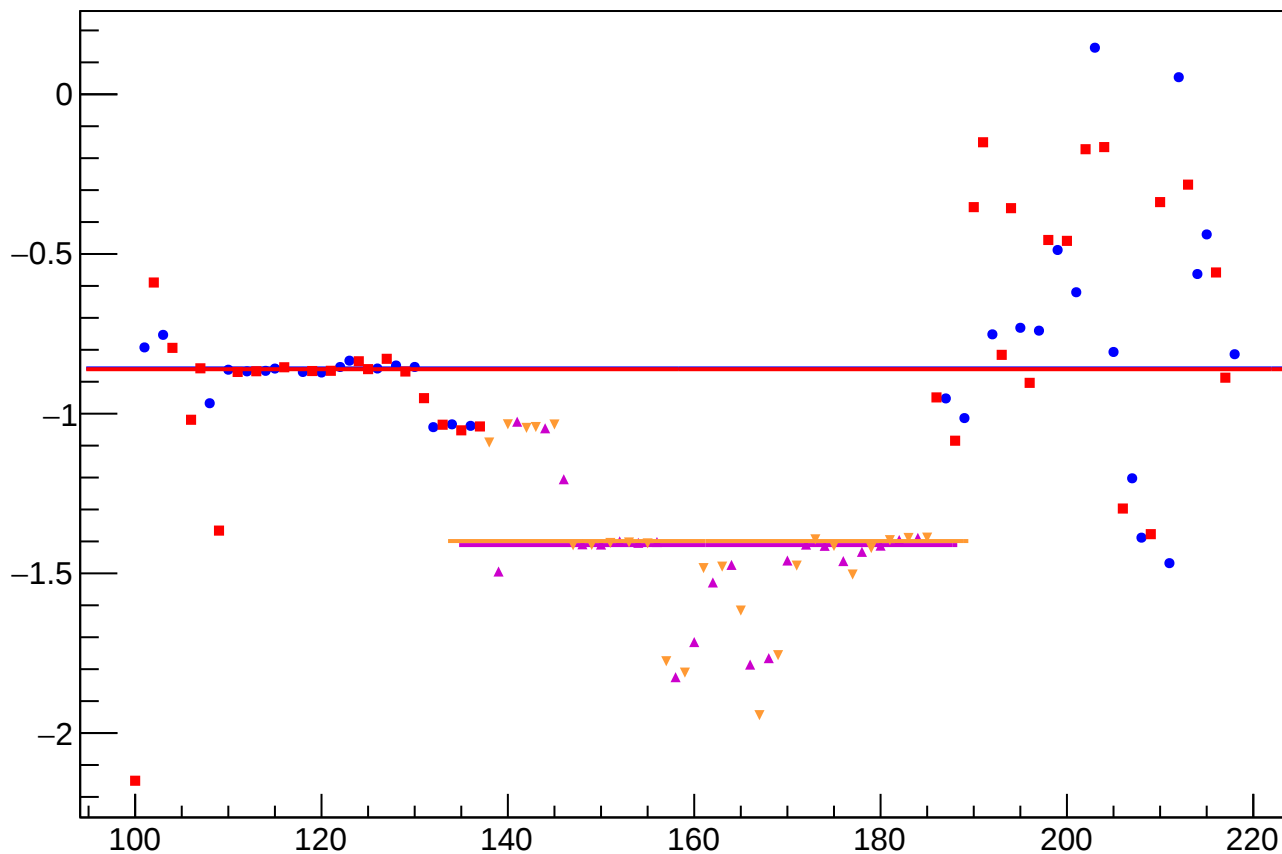
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5850149.7/57

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11972329.6/116

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 6121561.8/58

yield_bpm12X_mean vs Slug



Right In: -0.858 ± 0.000 χ^2/NDF : 373132757.0/32

Left Out: -1.399 ± 0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.861 ± 0.000 χ^2/NDF : 493076043.6/35

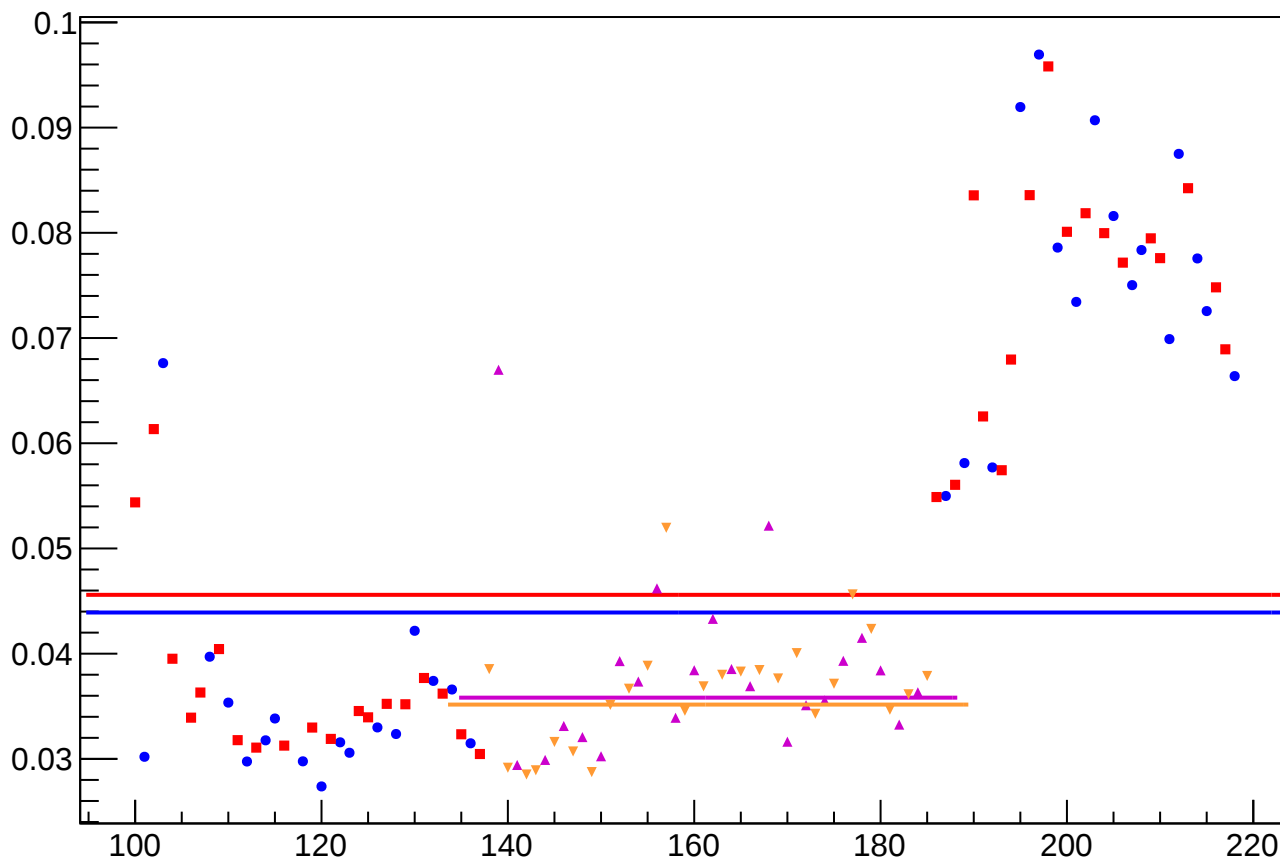
Left In: -1.411 ± 0.000 χ^2/NDF : 512547995.0/22

+ sign -1.204 ± 0.000 χ^2/NDF : 2477242166.4/57

All: -1.205 ± 0.000 χ^2/NDF : 4834254974.1/1

- sign -1.205 ± 0.000 χ^2/NDF : 2356994520.3/58

yield_bpm12X_rms vs Slug



Right In: 0.044 $\pm$ 0.000 χ^2 /NDF: 5577965.9/32

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 595219.5/24

Right Out: 0.046 $\pm$ 0.000 χ^2 /NDF: 4735761.5/35

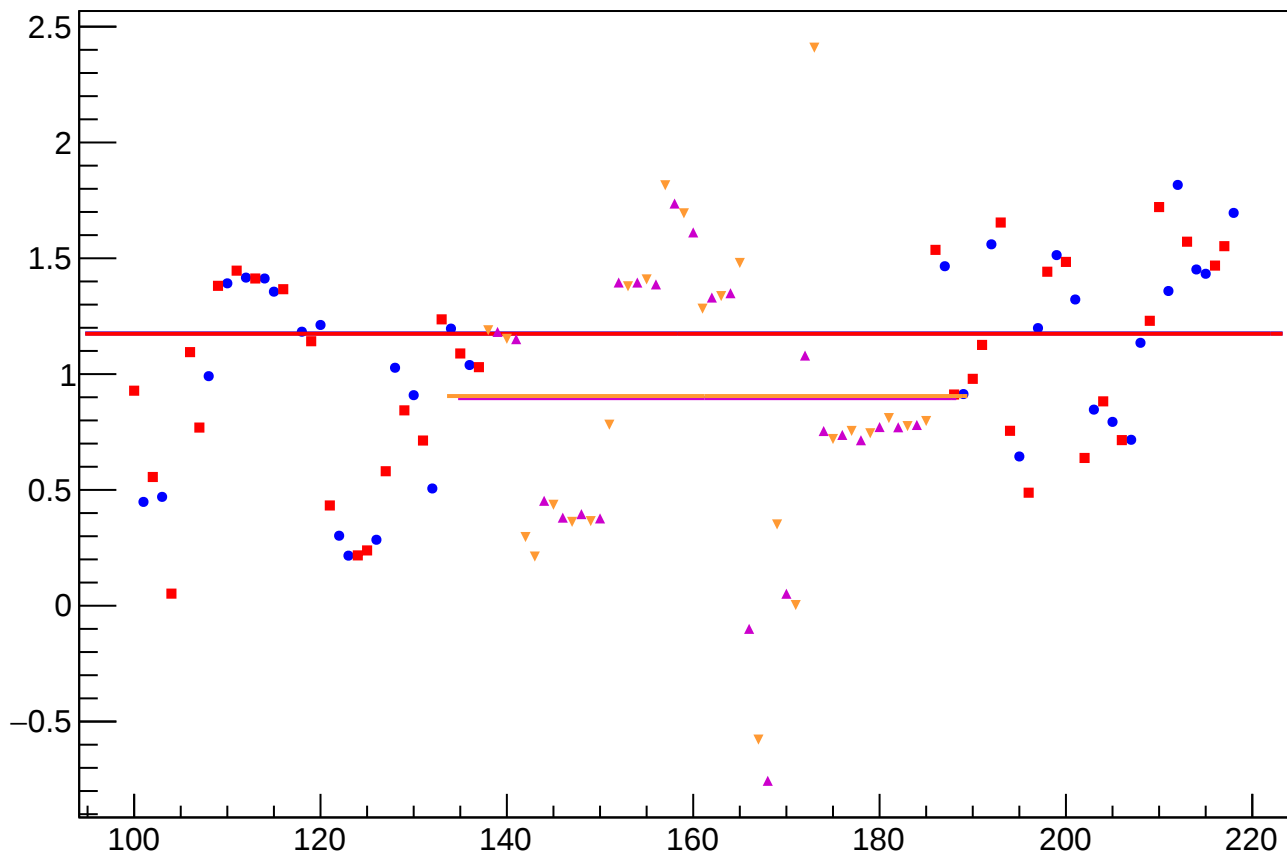
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 864147.6/22

+ sign 0.038 $\pm$ 0.000 χ^2 /NDF: 6889060.4/57

All: 0.039 $\pm$ 0.000 χ^2 /NDF: 13366596.1/116

- sign 0.039 $\pm$ 0.000 χ^2 /NDF: 6451015.0/58

yield_bpm12Y_mean vs Slug



Right In: 1.176 $\pm$ 0.000 χ^2 /NDF: 49838495791.4/32

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 1.174 $\pm$ 0.000 χ^2 /NDF: 50344663077.3/35

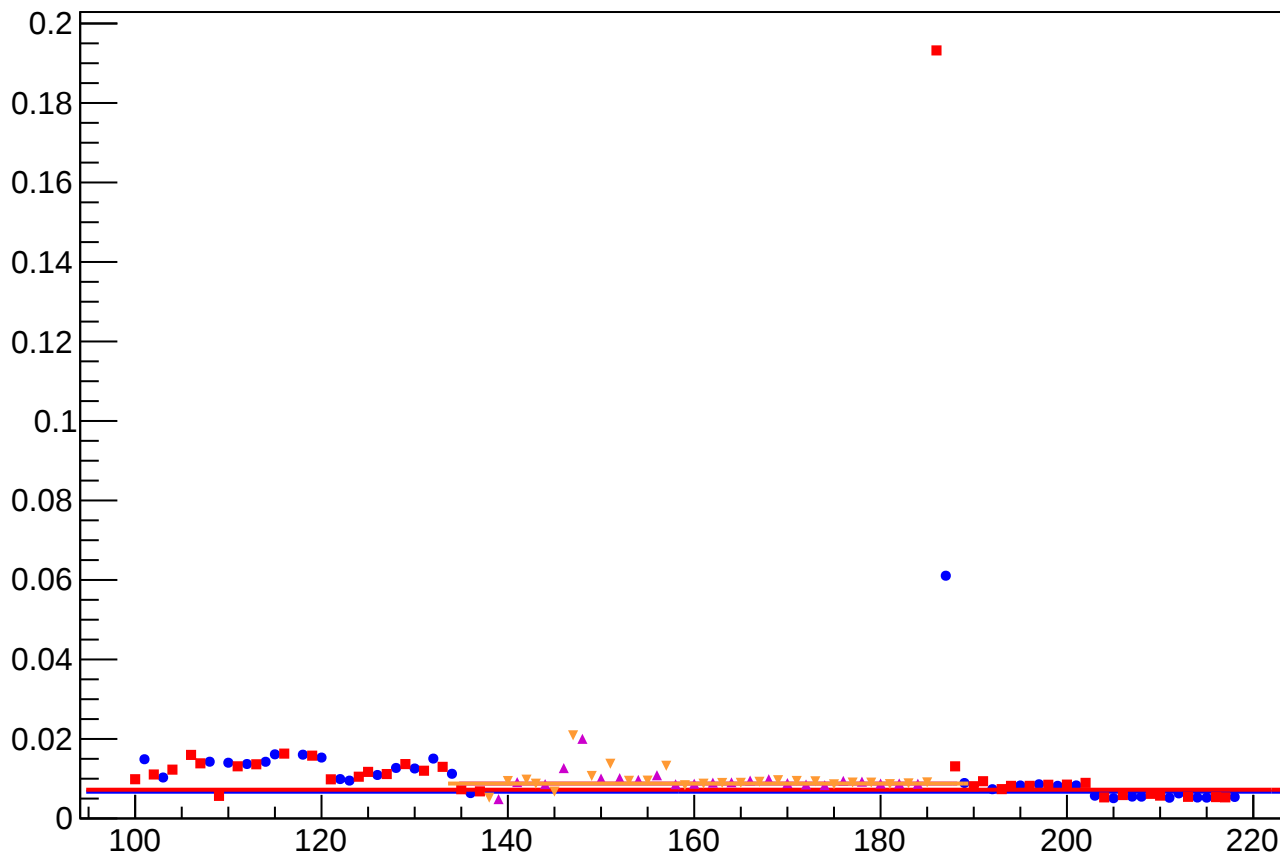
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 1.068 $\pm$ 0.000 χ^2 /NDF: 143743146268.4/57

All: 1.064 $\pm$ 0.000 χ^2 /NDF: 269997452051.9

- sign 1.059 $\pm$ 0.000 χ^2 /NDF: 126234176647.0/58

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 3850435.8/32

Left Out: 0.009+/-0.000 χ^2/NDF :1697568.1/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4088375.8/35

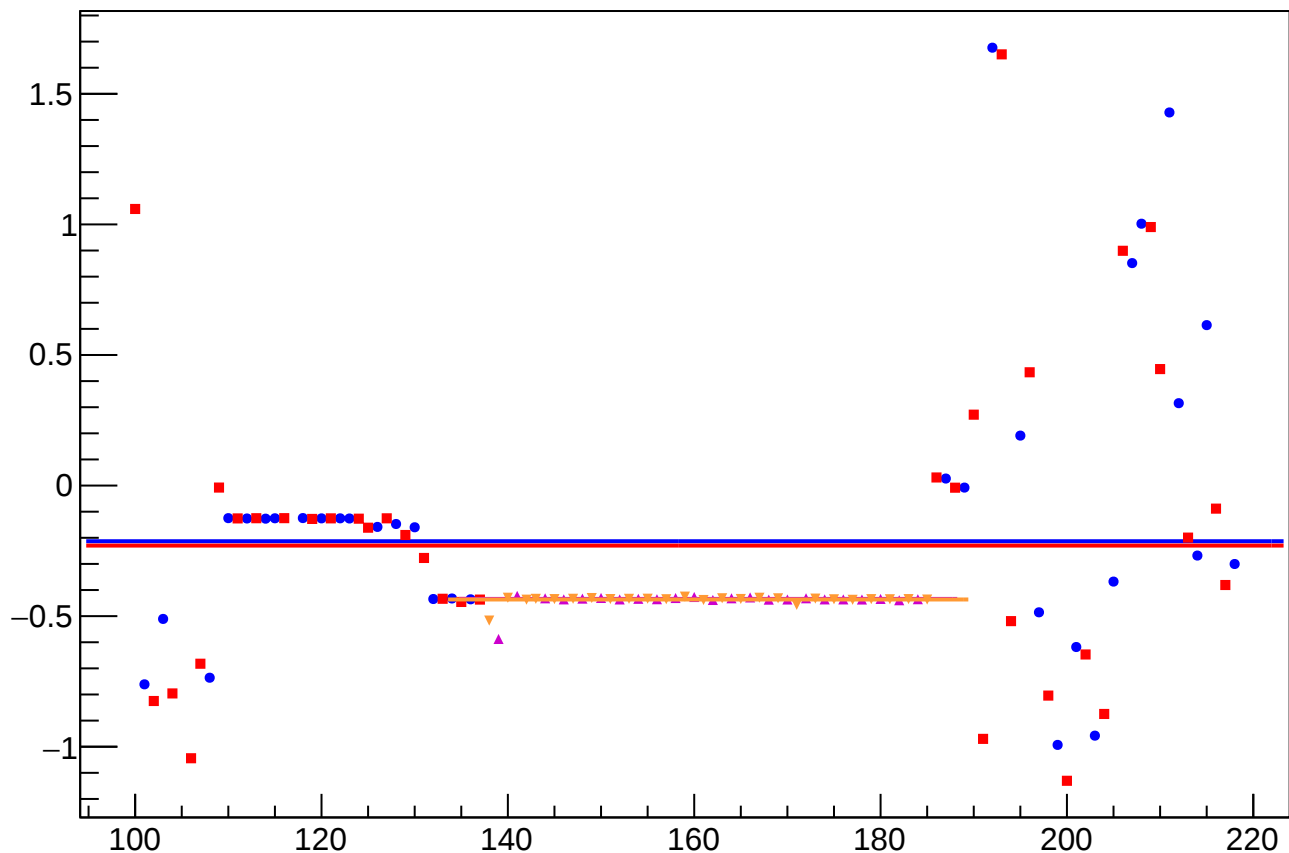
Left In: 0.009+/-0.000 χ^2/NDF :1607939.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 6657427.4/57

All: 0.008+/-0.000 χ^2/NDF : 12981394.3/116

- sign 0.008+/-0.000 χ^2/NDF : 6268962.9/58

yield_bpm16X_mean vs Slug



Right In: -0.213+/-0.000 χ^2/NDF : 4983992941.3/32

Left Out: -0.436+/-0.000 χ^2/NDF : 28774660.0/24

Right Out: -0.230+/-0.000 χ^2/NDF : 3434395371.1/35

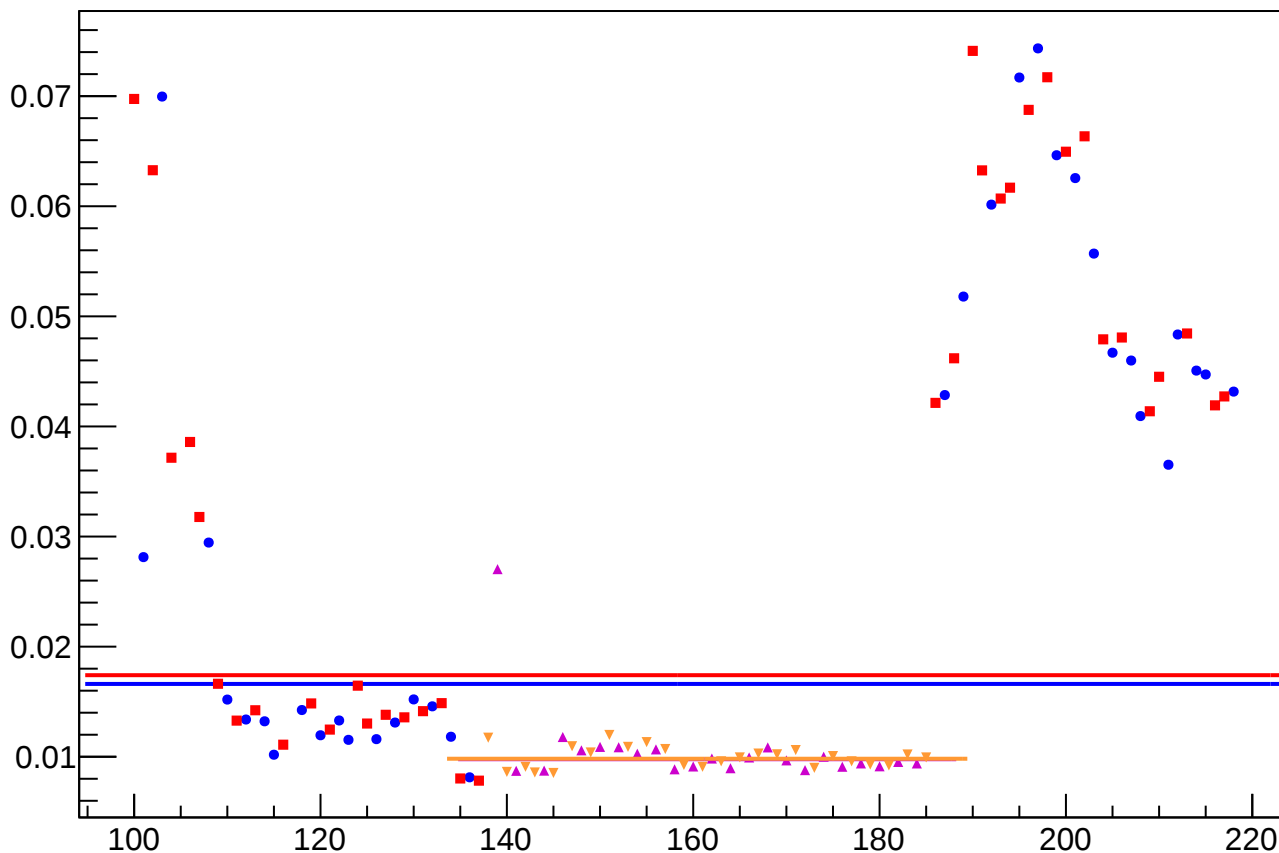
Left In: -0.434+/-0.000 χ^2/NDF : 23984173.0/22

+ sign -0.395+/-0.000 χ^2/NDF : 6492201016.1/57

All: -0.396+/-0.000 χ^2/NDF : 1111152736.8/100

- sign -0.397+/-0.000 χ^2/NDF : 4618741007.4/58

yield_bpm16X_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 13122509.3/32

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:269242.6/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 13274311.9/35

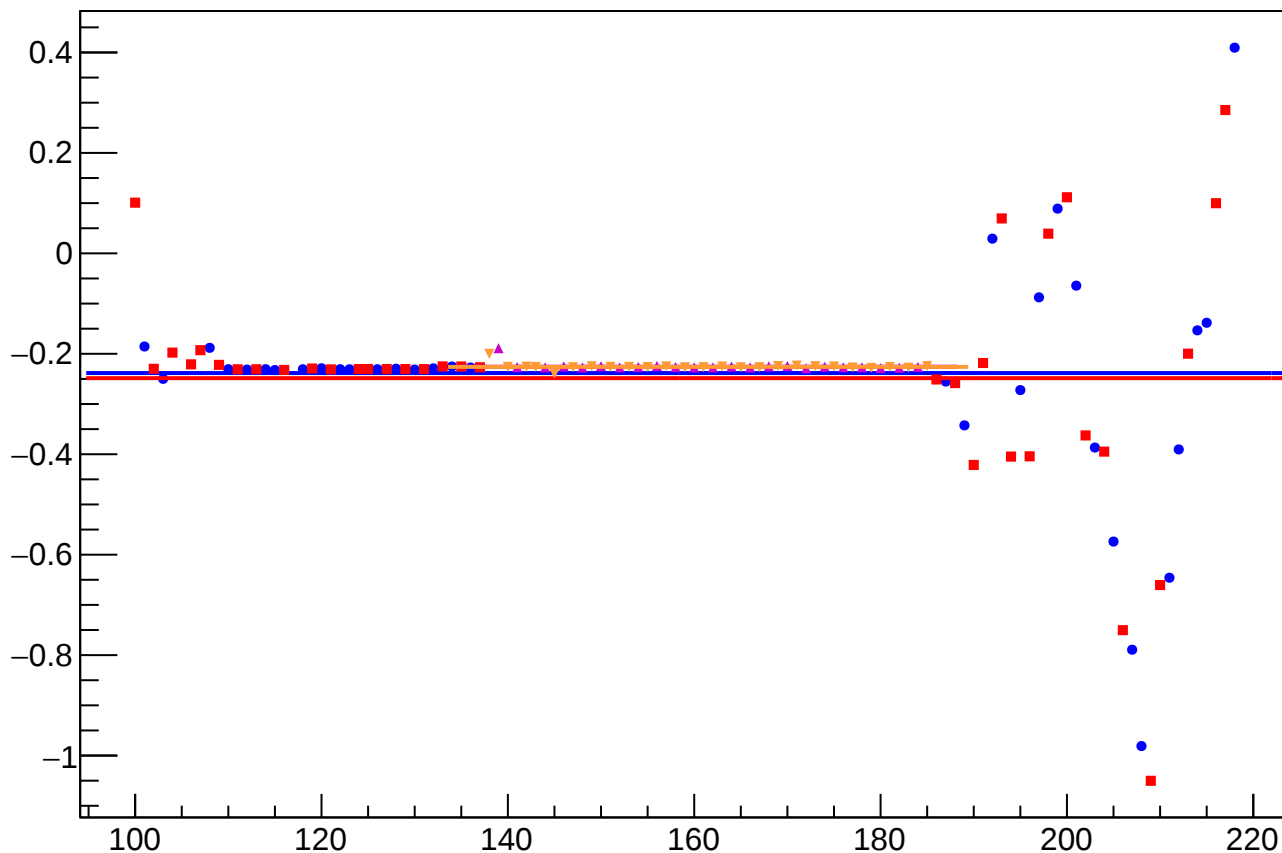
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:747550.0/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 16136262.8/57

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 33401257.2/116

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 17262989.7/58

yield_bpm16Y_mean vs Slug



Right In: -0.238+/-0.000 χ^2/NDF : 33462238199.8/32

Left Out: -0.226+/-0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.248+/-0.000 χ^2/NDF : 30044053493.1/35

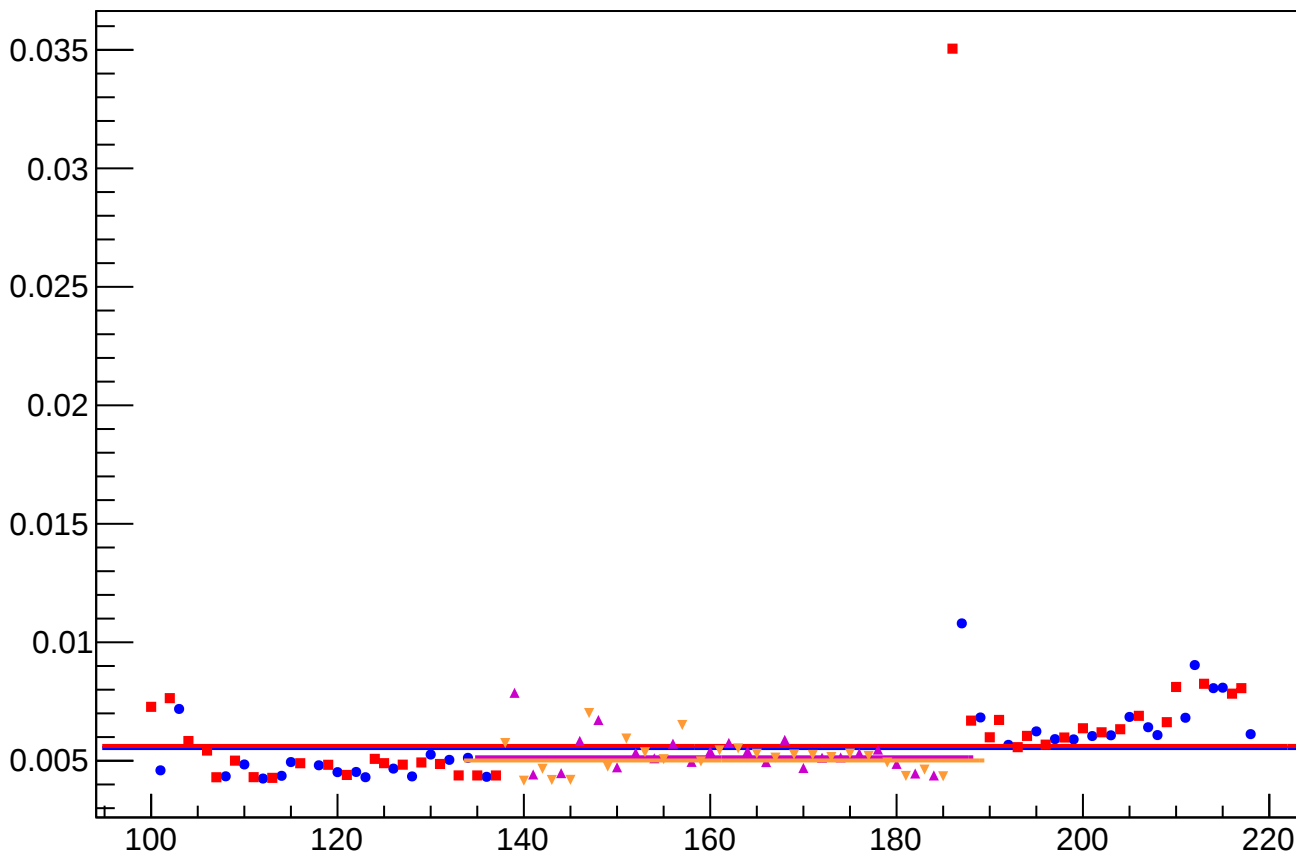
Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

+ sign -0.231+/-0.000 χ^2/NDF : 33528746395.9/57

All: -0.234+/-0.000 χ^2/NDF : 63748747618.8/100

- sign -0.236+/-0.000 χ^2/NDF : 30206282514.1/58

yield_bpm16Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1379863.4/32

Left Out: 0.005+/-0.000 χ^2/NDF : 530632.6/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1858615.2/35

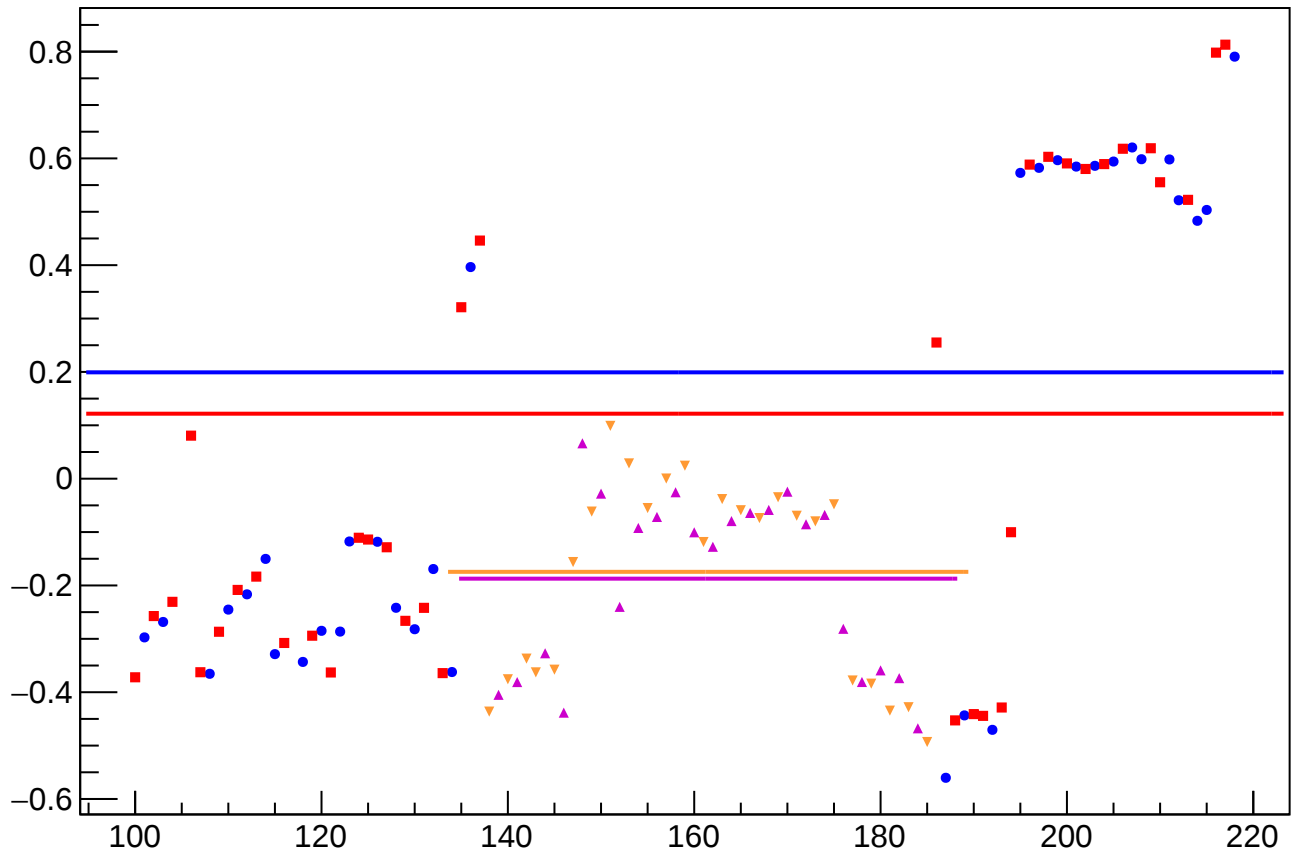
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 2074157.8/57

All: 0.005+/-0.000 χ^2/NDF : 4575083.4/116

- sign 0.005+/-0.000 χ^2/NDF : 2482319.8/58

yield_bpm0i02X_mean vs Slug



Right In: 0.199 $\pm$ 0.000 χ^2 /NDF: 74199261236.7/32

Left Out: -0.174 $\pm$ 0.000 χ^2 /NDF: 18025533236.1/24

Right Out: 0.122 $\pm$ 0.000 χ^2 /NDF: 79437461544.4/35

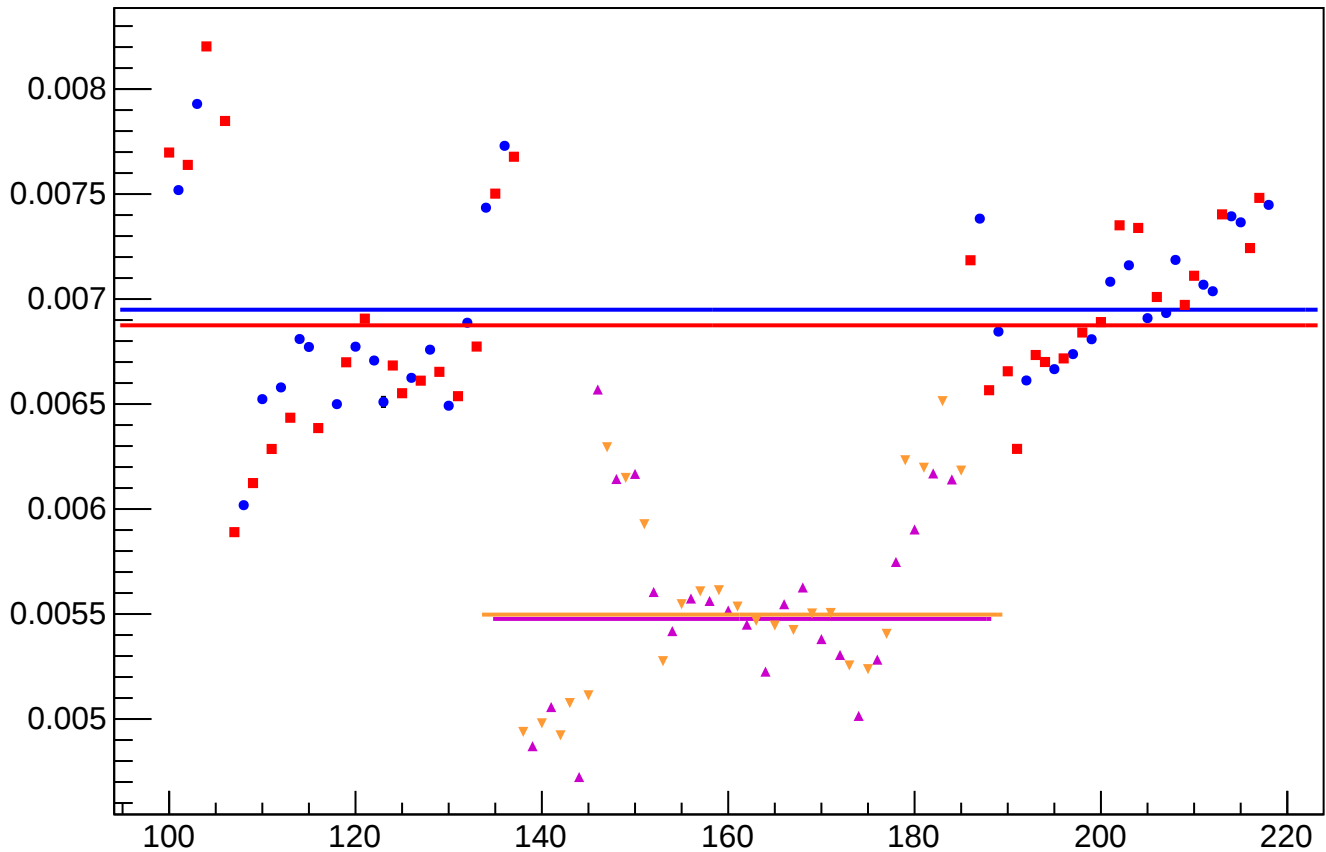
Left In: -0.187 $\pm$ 0.000 χ^2 /NDF: 12816646575.4/22

+ sign -0.028 $\pm$ 0.000 χ^2 /NDF: 123787975131.5/57

All: -0.044 $\pm$ 0.000 χ^2 /NDF: 238146049074.9

- sign -0.059 $\pm$ 0.000 χ^2 /NDF: 113908558637.8/58

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 112331.6/32

Left Out: 0.005+/-0.000 χ^2/NDF : 198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 156771.3/35

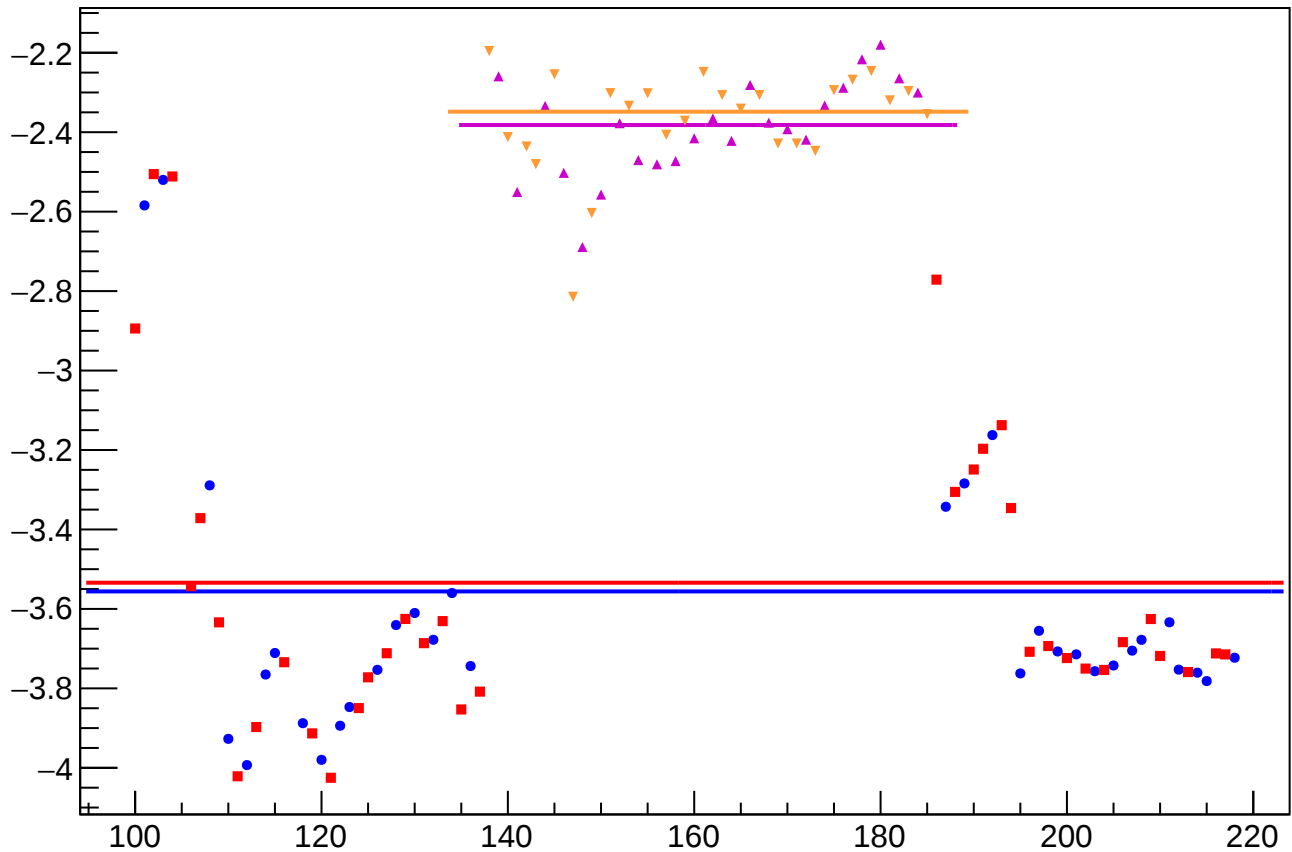
Left In: 0.005+/-0.000 χ^2/NDF : 202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 1264110.3/57

All: 0.006+/-0.000 χ^2/NDF : 2509624.7/116

- sign 0.006+/-0.000 χ^2/NDF : 1245436.3/58

yield_bpm0i02Y_mean vs Slug



Right In: -3.556+/-0.000 χ^2/NDF : 30851035294.6/32

Left Out: -2.348+/-0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.534+/-0.000 χ^2/NDF : 31617620739.3/35

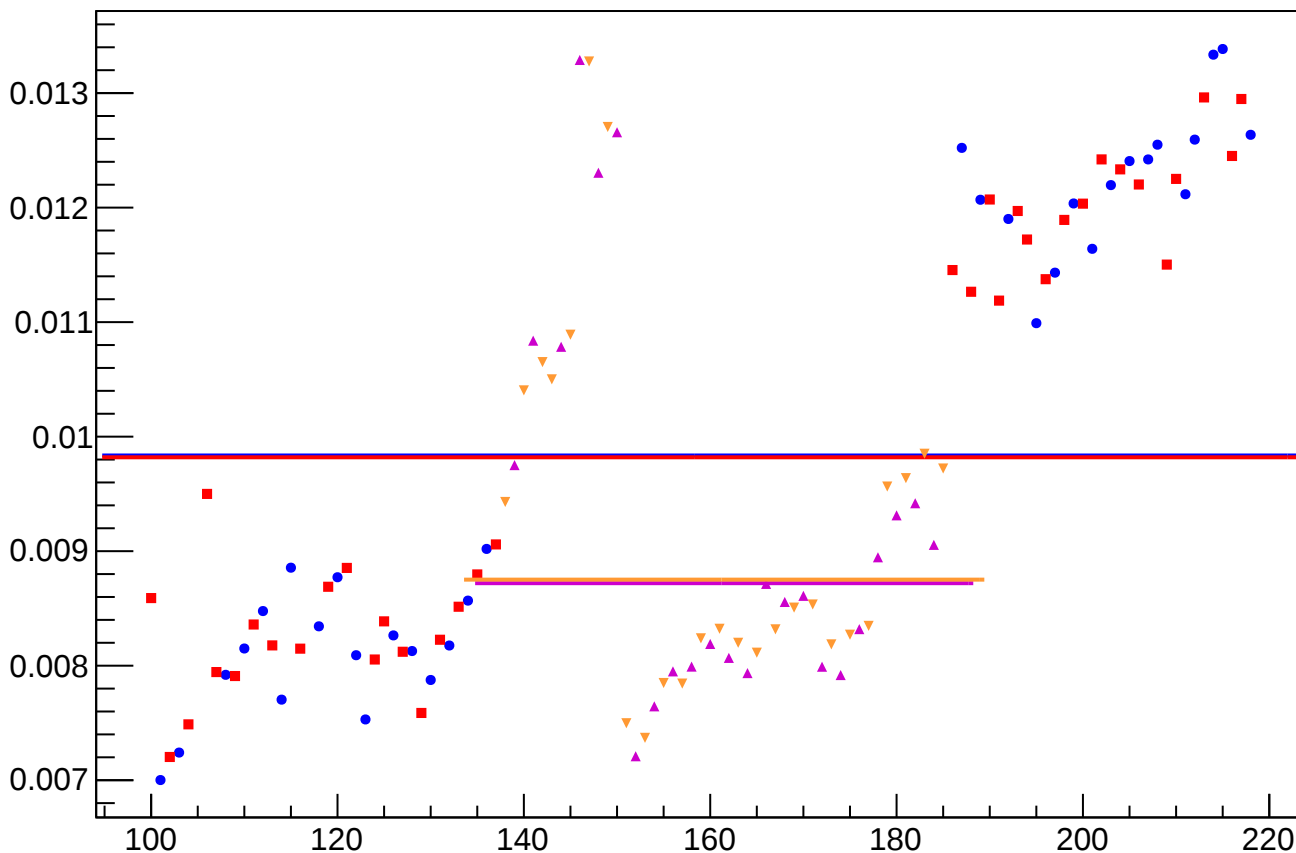
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.879+/-0.000 χ^2/NDF : 177238266306.8/57

All: -2.896+/-0.000 χ^2/NDF : 341668352543.8

- sign -2.912+/-0.000 χ^2/NDF : 164217865936.4/58

yield_bpm0i02Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1606081.4/32

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:663672.8/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1432702.5/35

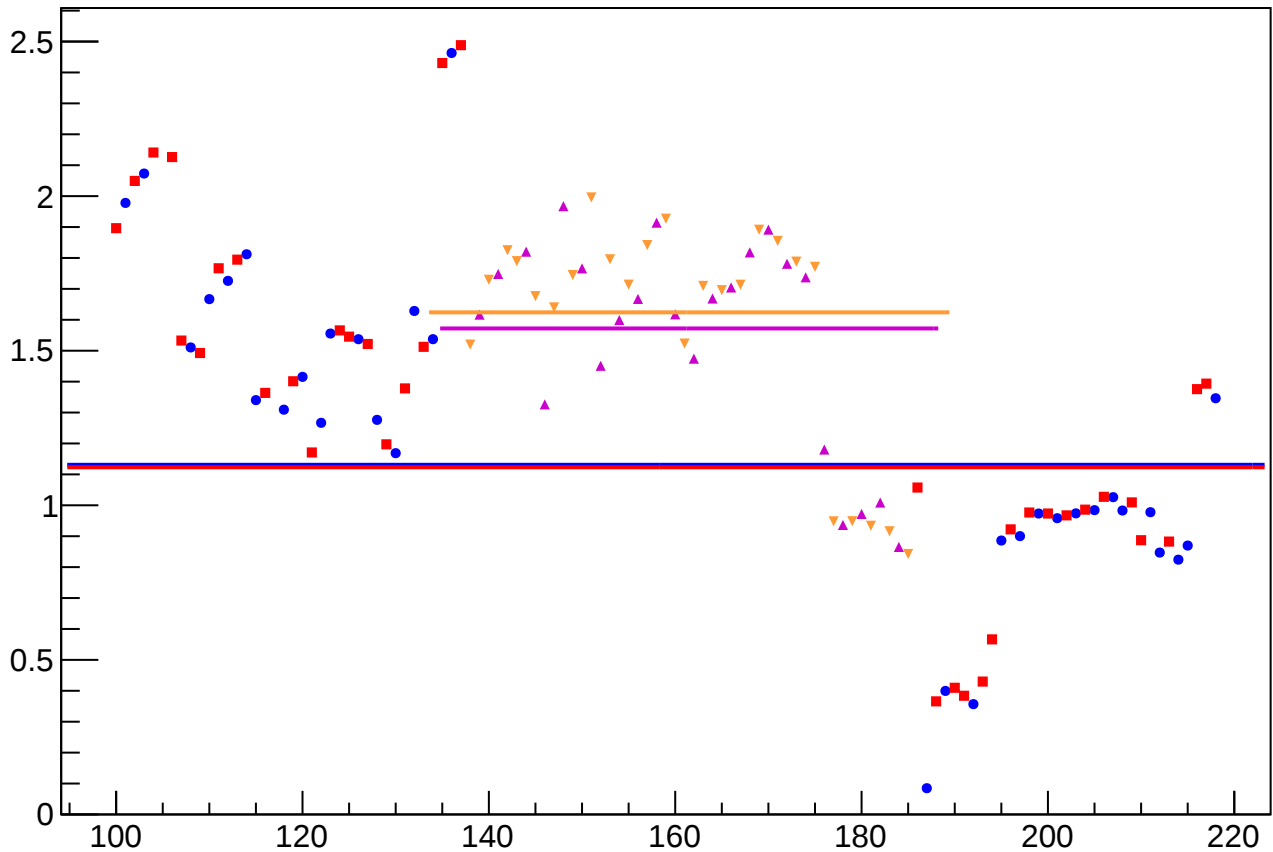
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:747867.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2502205.2/57

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4919979.1/116

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2417772.5/58

yield_bpm0i02aX_mean vs Slug



Right In: 1.131 $\pm$ 0.000 χ^2 /NDF: 29059728930.0/32

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 16631112386.4/24

Right Out: 1.123 $\pm$ 0.000 χ^2 /NDF: 33737562926.5/35

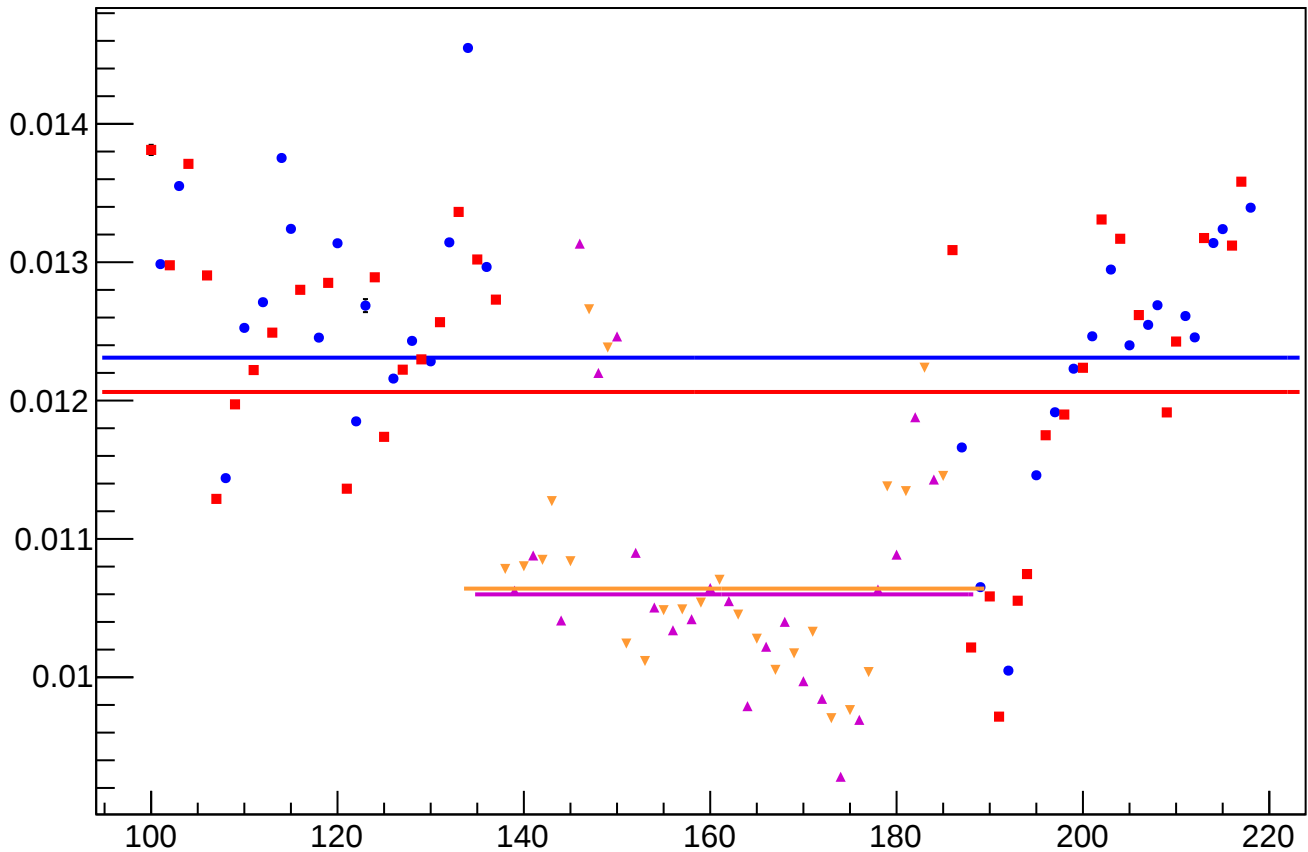
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.412 $\pm$ 0.000 χ^2 /NDF: 61977490698.9/57

All: 1.390 $\pm$ 0.000 χ^2 /NDF: 123861544114.4

- sign 1.367 $\pm$ 0.000 χ^2 /NDF: 61596613497.2/58

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 197326.8/32

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 275134.4/35

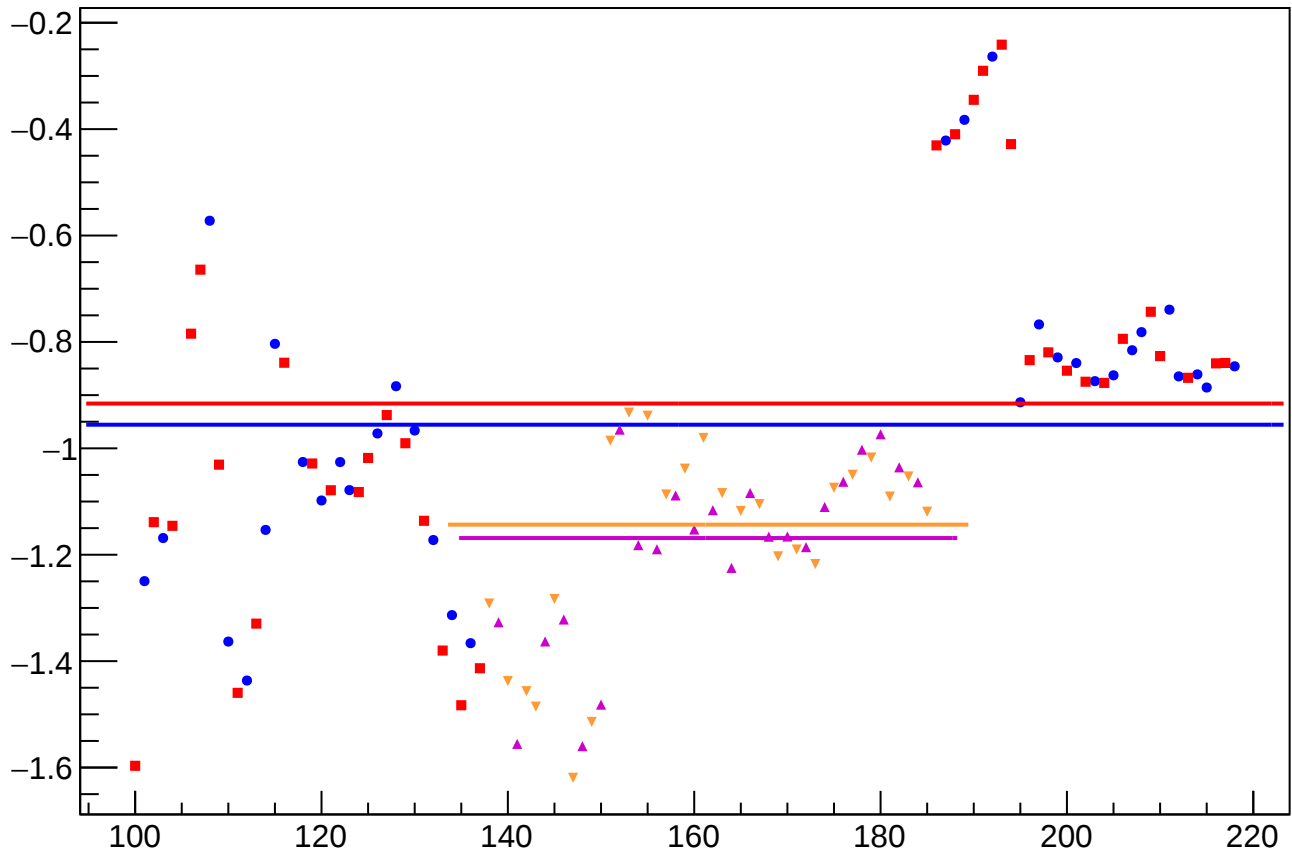
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 730329.1/57

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1501530.5/116

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 769047.8/58

yield_bpm0i02aY_mean vs Slug



Right In: -0.956+/-0.000 χ^2/NDF : 11544832475.1/32

Left Out: -1.143+/-0.000 χ^2/NDF : 7976364534.0/24

Right Out: -0.916+/-0.000 χ^2/NDF : 16139378582.9/35

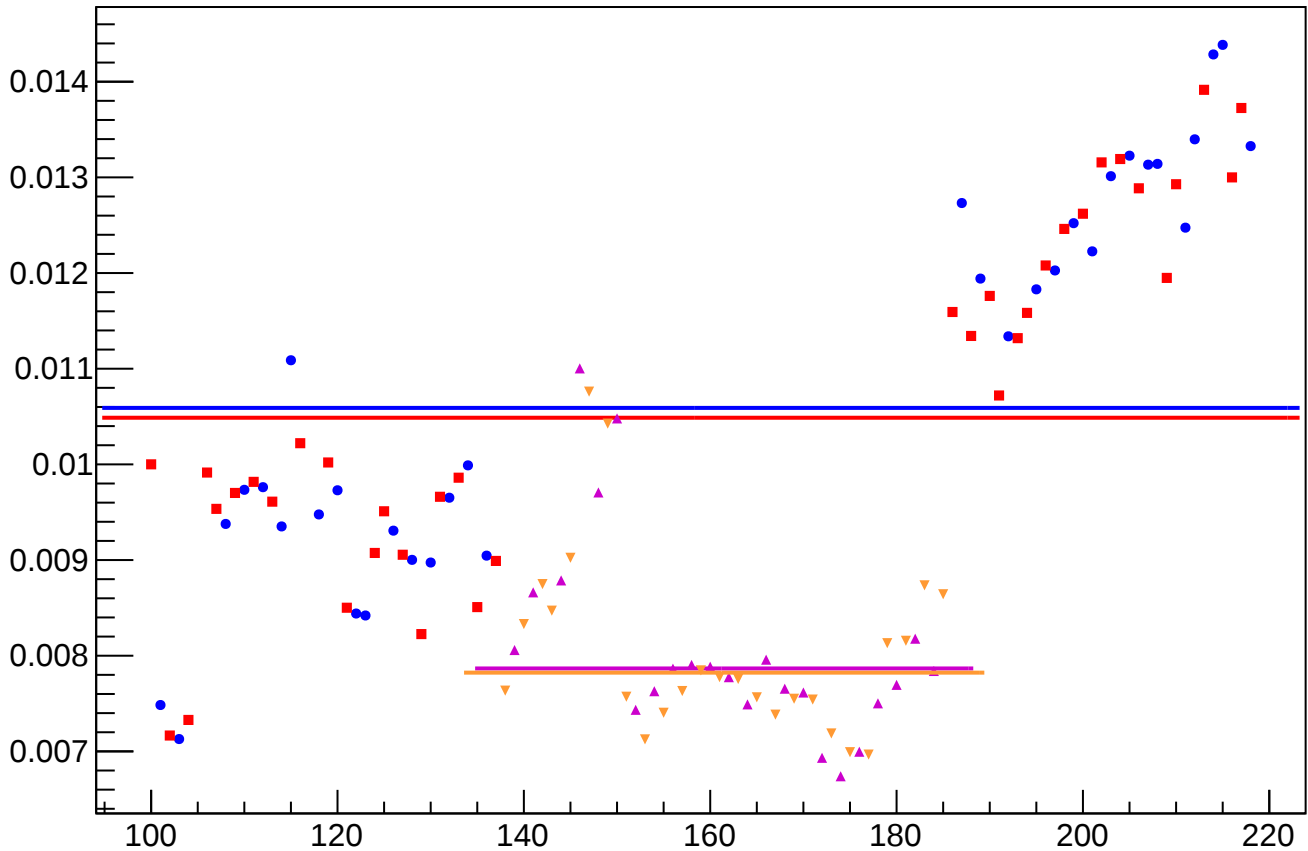
Left In: -1.169+/-0.000 χ^2/NDF : 6362643368.6/22

+ sign -1.077+/-0.000 χ^2/NDF : 22991632569.7/57

All: -1.075+/-0.000 χ^2/NDF : 51813969529.2/57

- sign -1.073+/-0.000 χ^2/NDF : 28818679149.9/58

yield_bpm0i02aY_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 1393604.5/32

Left Out: 0.008+/-0.000 χ^2/NDF : 336387.6/24

+ sign 0.009+/-0.000 χ^2/NDF : 3236903.9/57

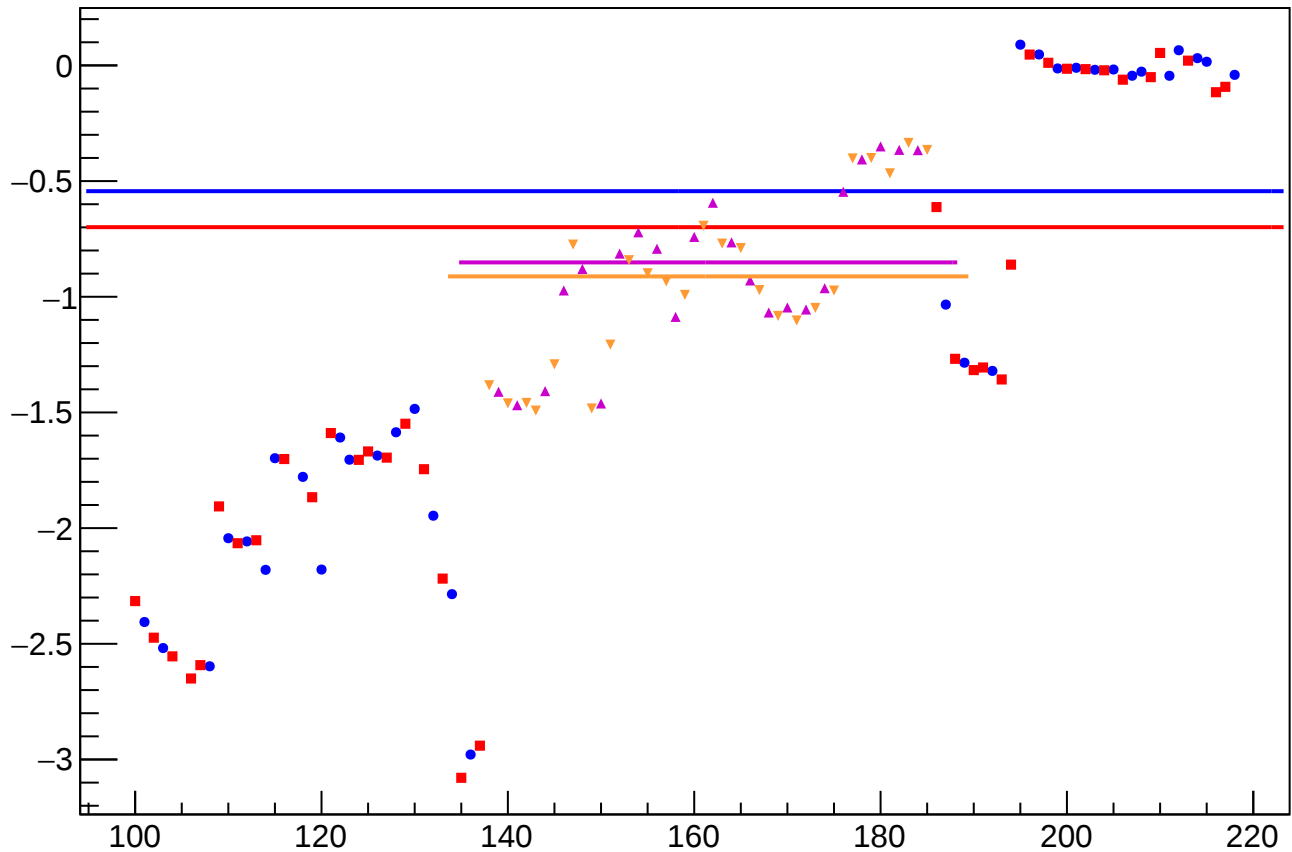
Right Out: 0.010+/-0.000 χ^2/NDF : 1243745.2/35

All: 0.009+/-0.000 χ^2/NDF : 6219807.9/116

- sign 0.009+/-0.000 χ^2/NDF : 2981392.9/58

Left In: 0.008+/-0.000 χ^2/NDF : 379901.3/22

yield_bpm0i05X_mean vs Slug



Right In: -0.544+/-0.000 χ^2/NDF : 412488208471.2/32

Left Out: -0.912+/-0.000 χ^2/NDF : 49039425818.1/24

Right Out: -0.699+/-0.000 χ^2/NDF : 436955766947.1/35

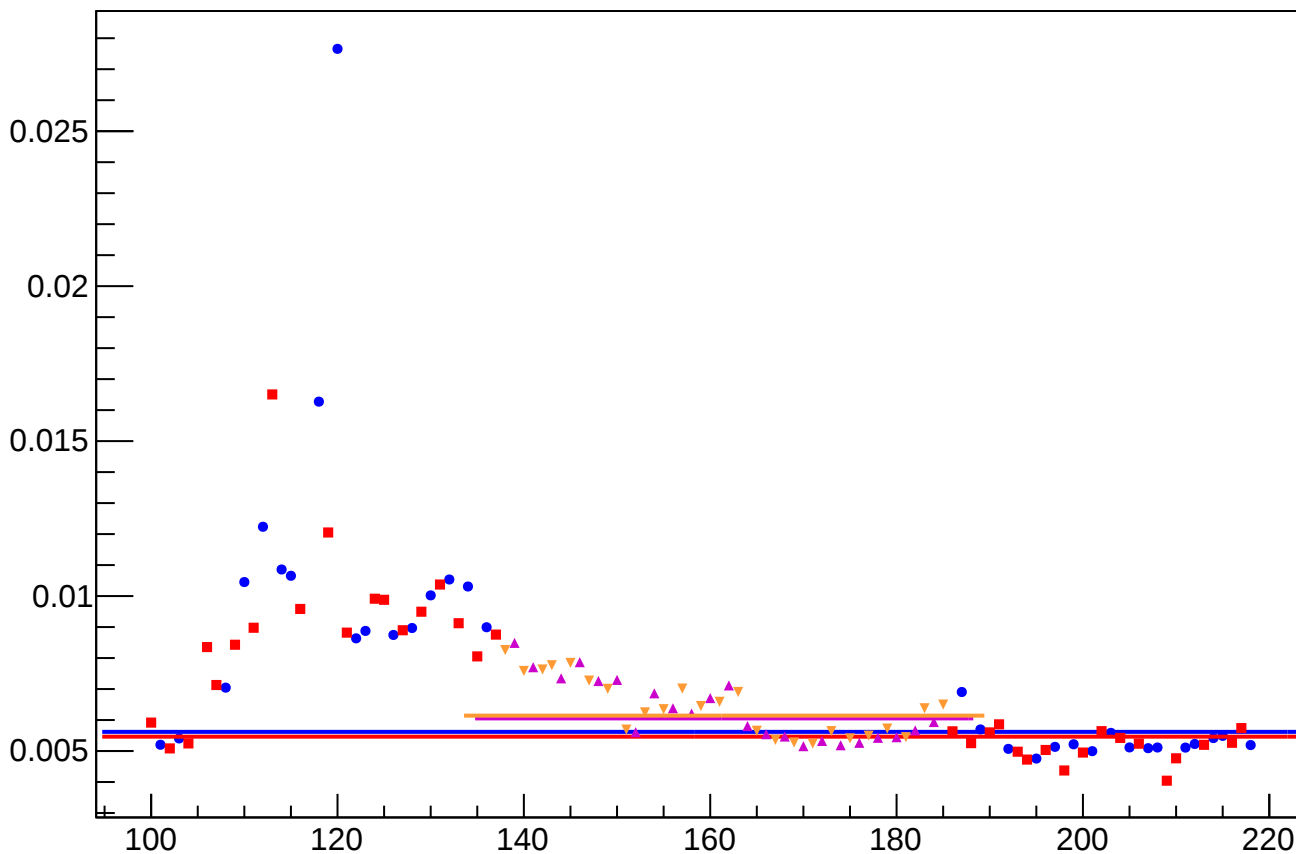
Left In: -0.851+/-0.000 χ^2/NDF : 46438446008.2/22

+ sign -0.720+/-0.000 χ^2/NDF : 493021004253.4/57

All: -0.744+/-0.000 χ^2/NDF : 983030687277.1

- sign -0.768+/-0.000 χ^2/NDF : 488923413660.6/58

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2071330.6/32

Left Out: 0.006+/-0.000 χ^2/NDF : 637765.4/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2135114.1/35

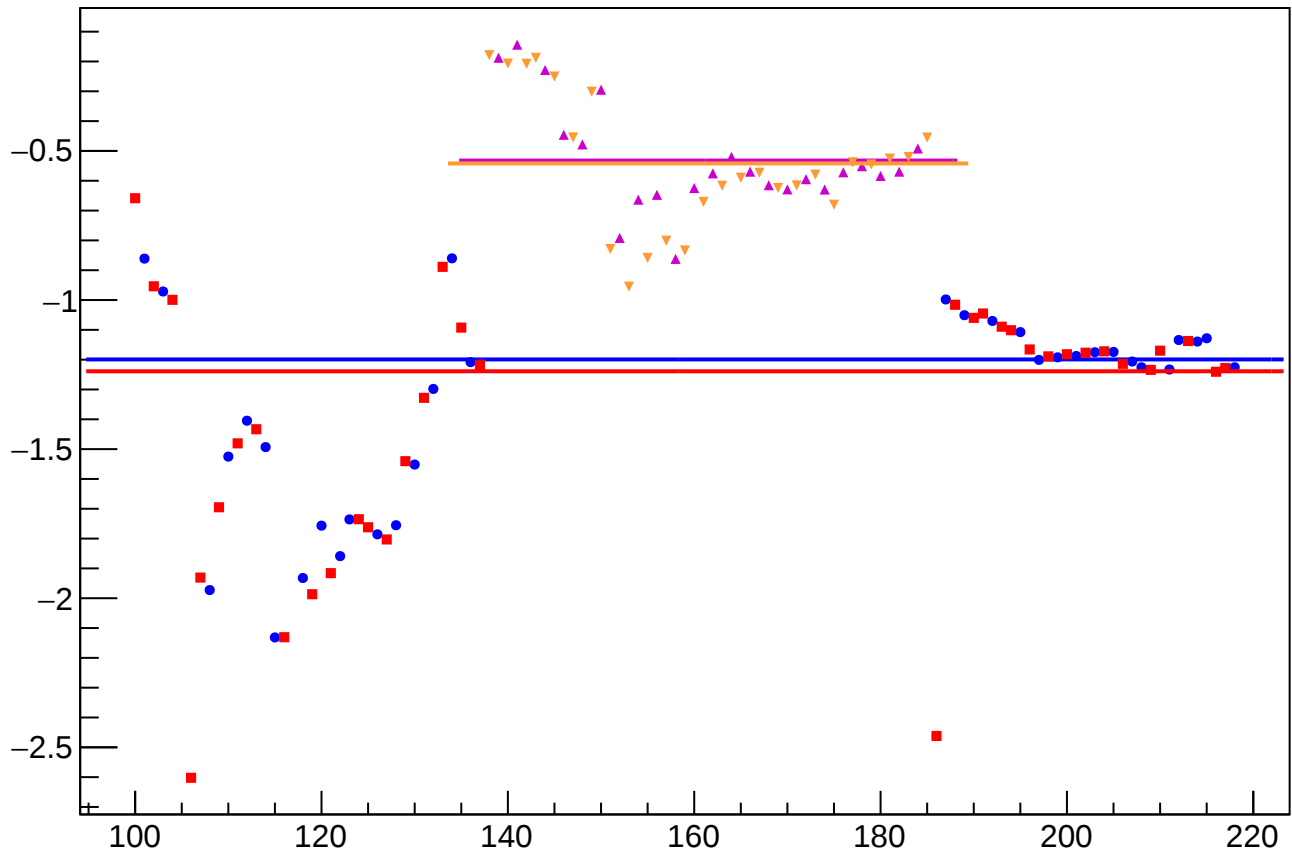
Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2836330.9/57

All: 0.006+/-0.000 χ^2/NDF : 5852867.5/116

- sign 0.006+/-0.000 χ^2/NDF : 2998106.0/58

yield_bpm0i05Y_mean vs Slug



Right In: -1.199+/-0.000 χ^2/NDF : 26945770728.2/32

Left Out: -0.542+/-0.000 χ^2/NDF : 47268284910.3/24

Right Out: -1.239+/-0.000 χ^2/NDF : 79546452627.2/35

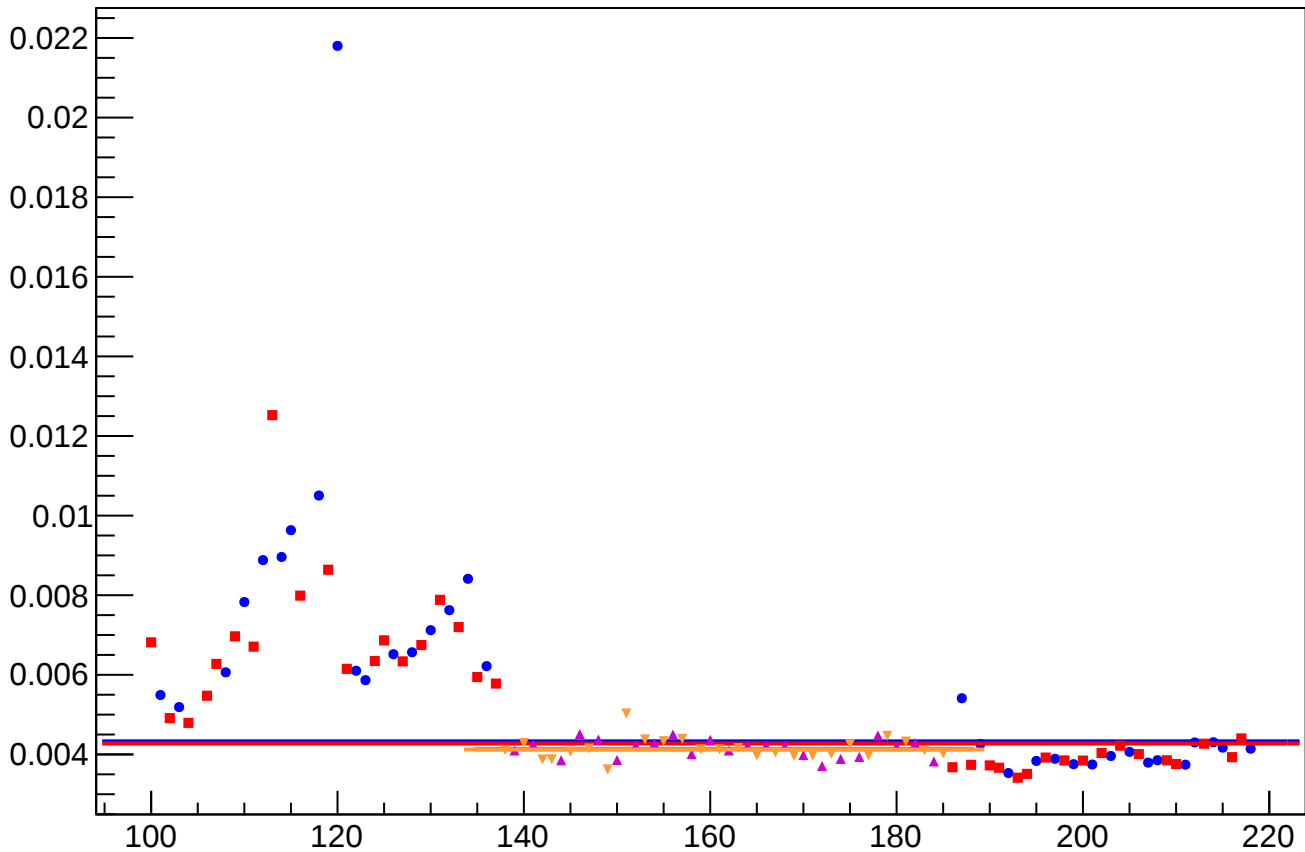
Left In: -0.532+/-0.000 χ^2/NDF : 30715235426.8/22

+ sign -0.838+/-0.000 χ^2/NDF : 267428461742.9/57

All: -0.854+/-0.000 χ^2/NDF : 602428141338.9

- sign -0.870+/-0.000 χ^2/NDF : 334070912461.2/58

yield_bpm0i05Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2075199.3/32

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:113033.9/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1899535.0/35

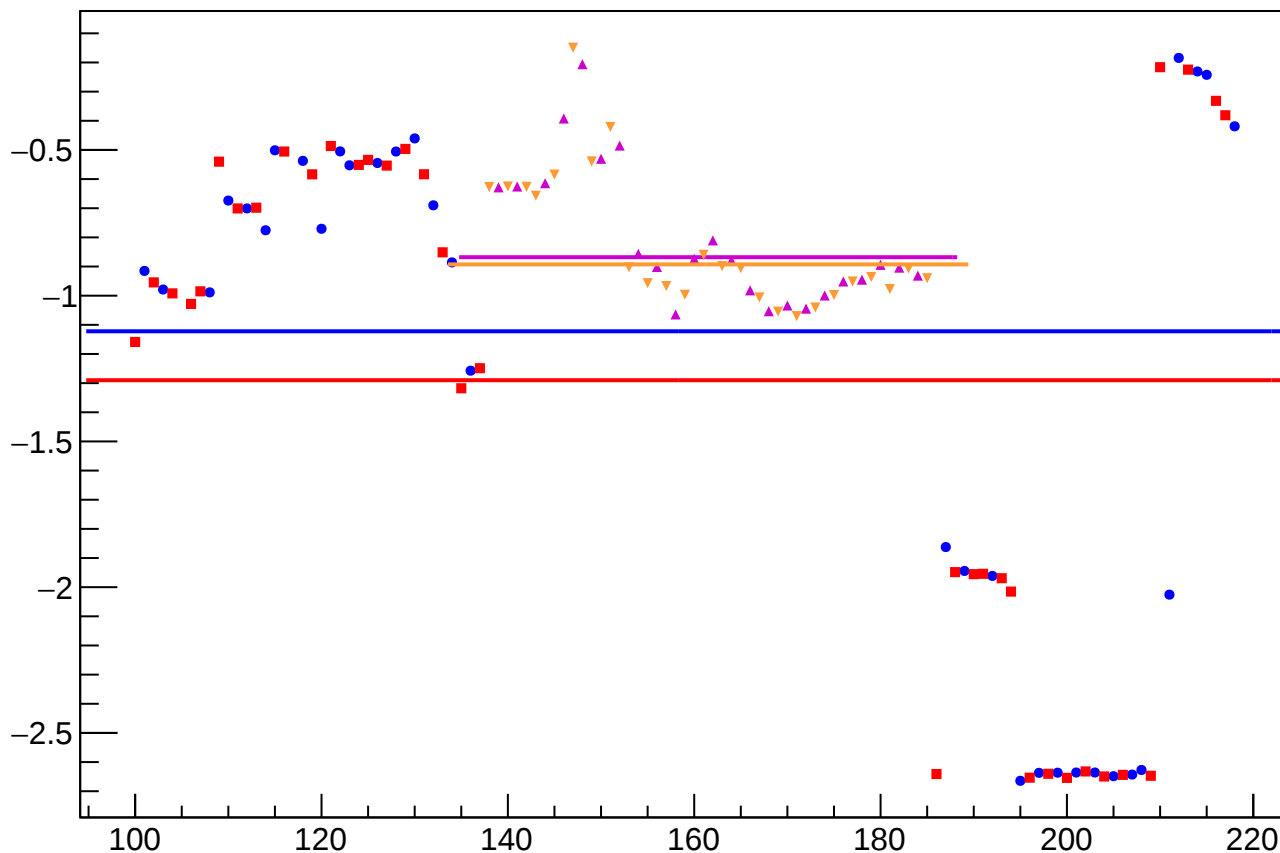
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:93111.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2225634.3/57

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4237429.0/116

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2011208.6/58

yield_bpm0i07X_mean vs Slug



Right In: -1.122+/-0.000 χ^2 /NDF: 569234434250.7/32

Left Out: -0.893+/-0.000 χ^2 /NDF: 40787012603.8/24

Right Out: -1.290+/-0.000 χ^2 /NDF: 678458308180.1/35

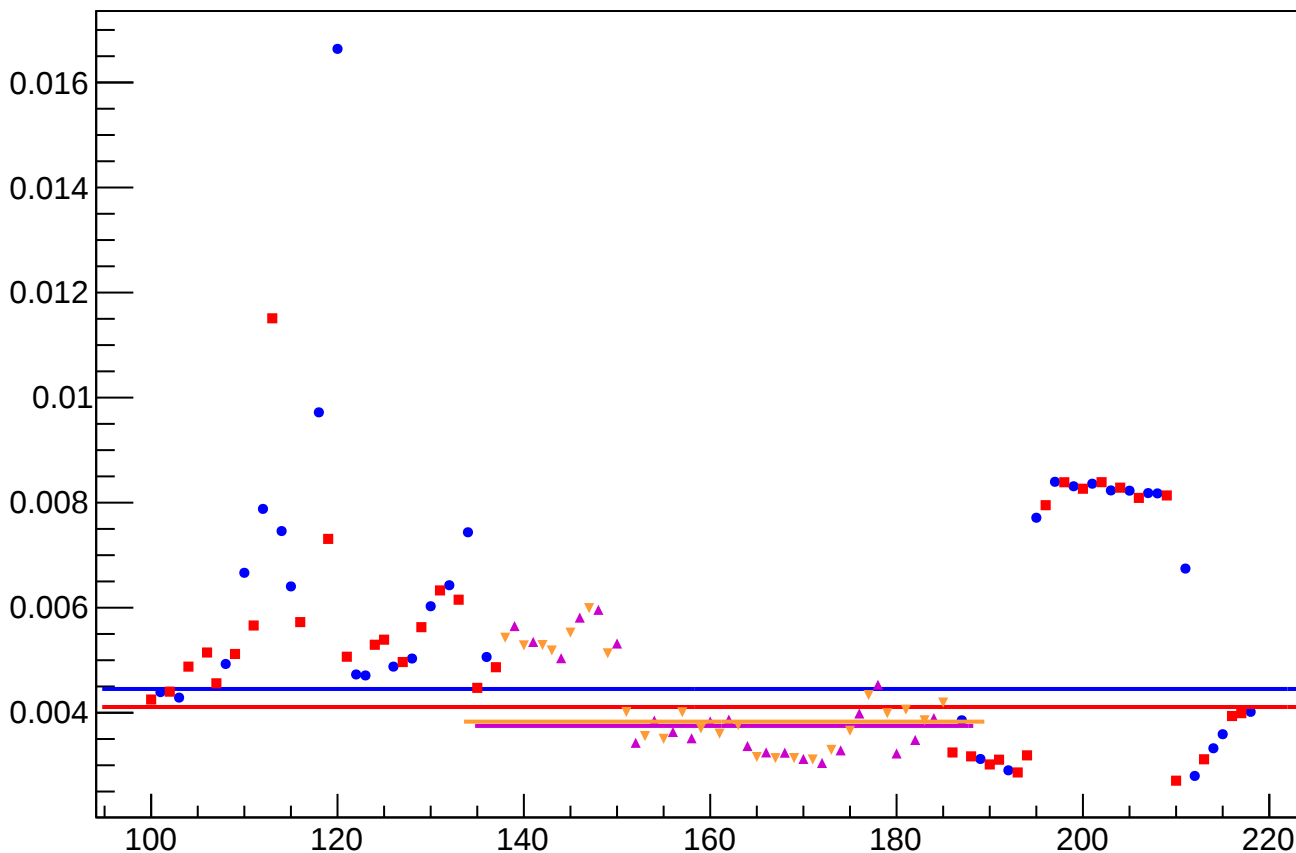
Left In: -0.868+/-0.000 χ^2 /NDF: 43853190177.2/22

+ sign -0.983+/-0.000 χ^2 /NDF: 633280986743.7/57

All: -1.021+/-0.000 χ^2 /NDF: 1448947531681

- sign -1.055+/-0.000 χ^2 /NDF: 810573007811.7/58

yield_bpm0i07X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 5081575.4/32

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 4716990.0/35

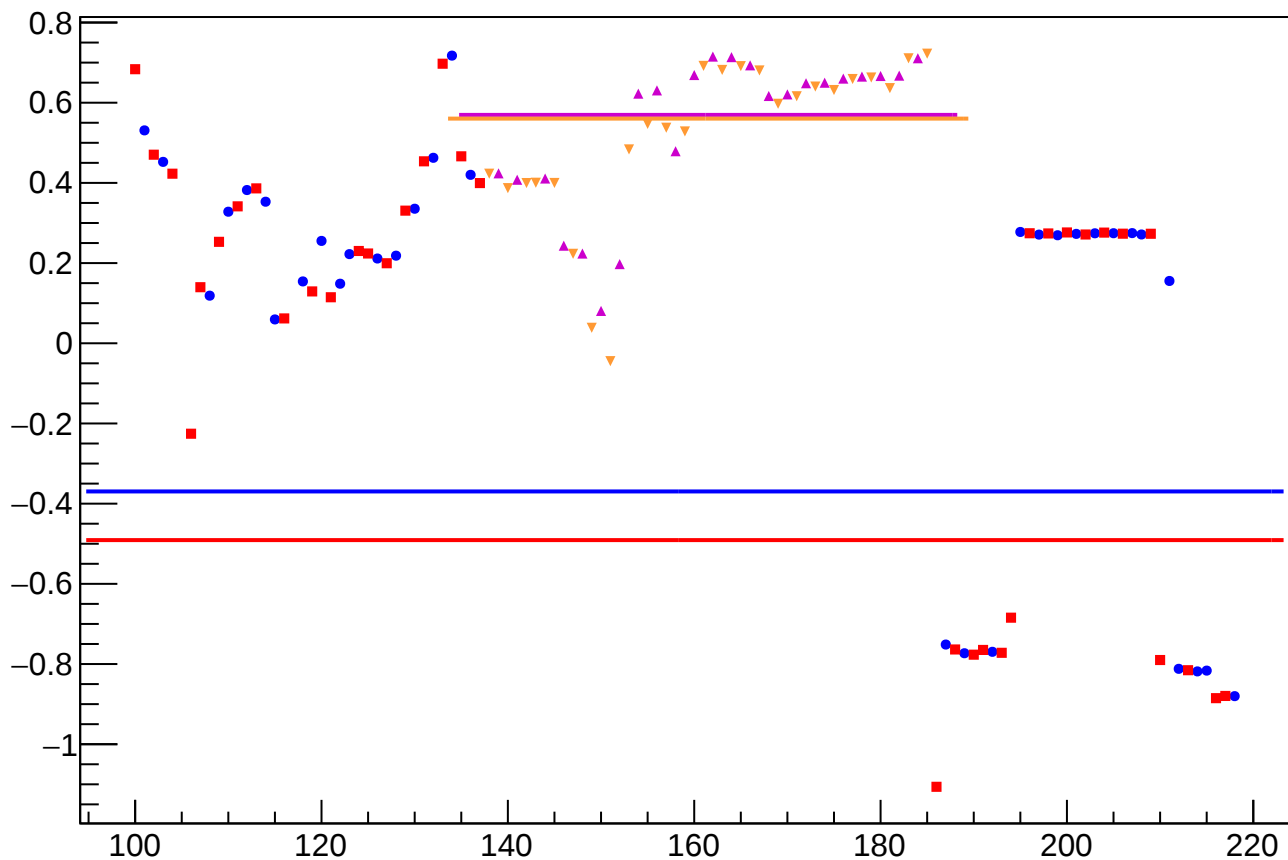
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6603060.7/57

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12790334.8/116

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6134346.9/58

yield_bpm0i07Y_mean vs Slug



Right In: -0.370 ± 0.000 χ^2/NDF : 511949684576.3/32

Left Out: 0.560 ± 0.000 χ^2/NDF : 45205806387.2/24

Right Out: -0.491 ± 0.000 χ^2/NDF : 593141992518.7/35

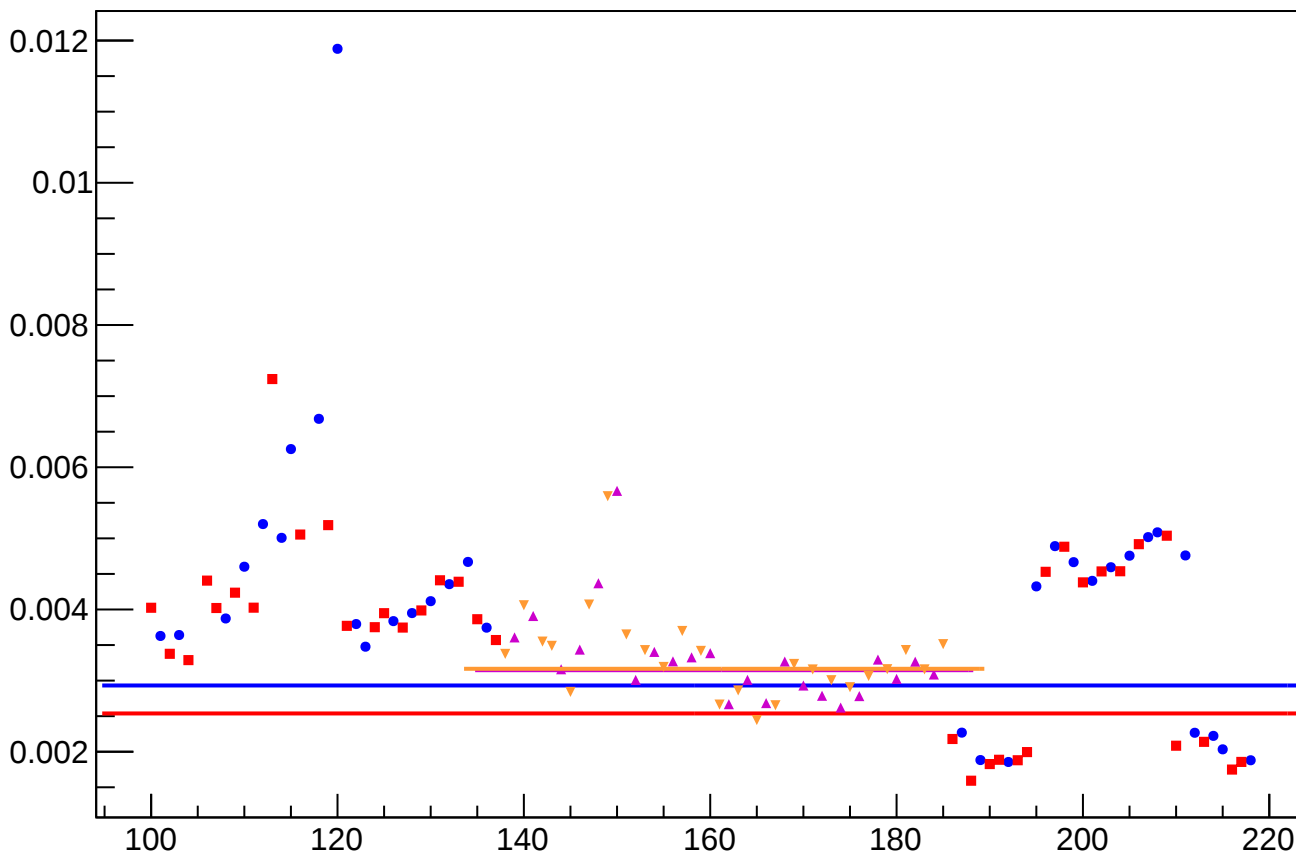
Left In: 0.570 ± 0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.088 ± 0.000 χ^2/NDF : 1267693047755.6/57

All: 0.012 ± 0.000 χ^2/NDF : 2969425844997.

- sign -0.054 ± 0.000 χ^2/NDF : 1666005500198.7/56

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 5082495.5/32

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 5567845.5/35

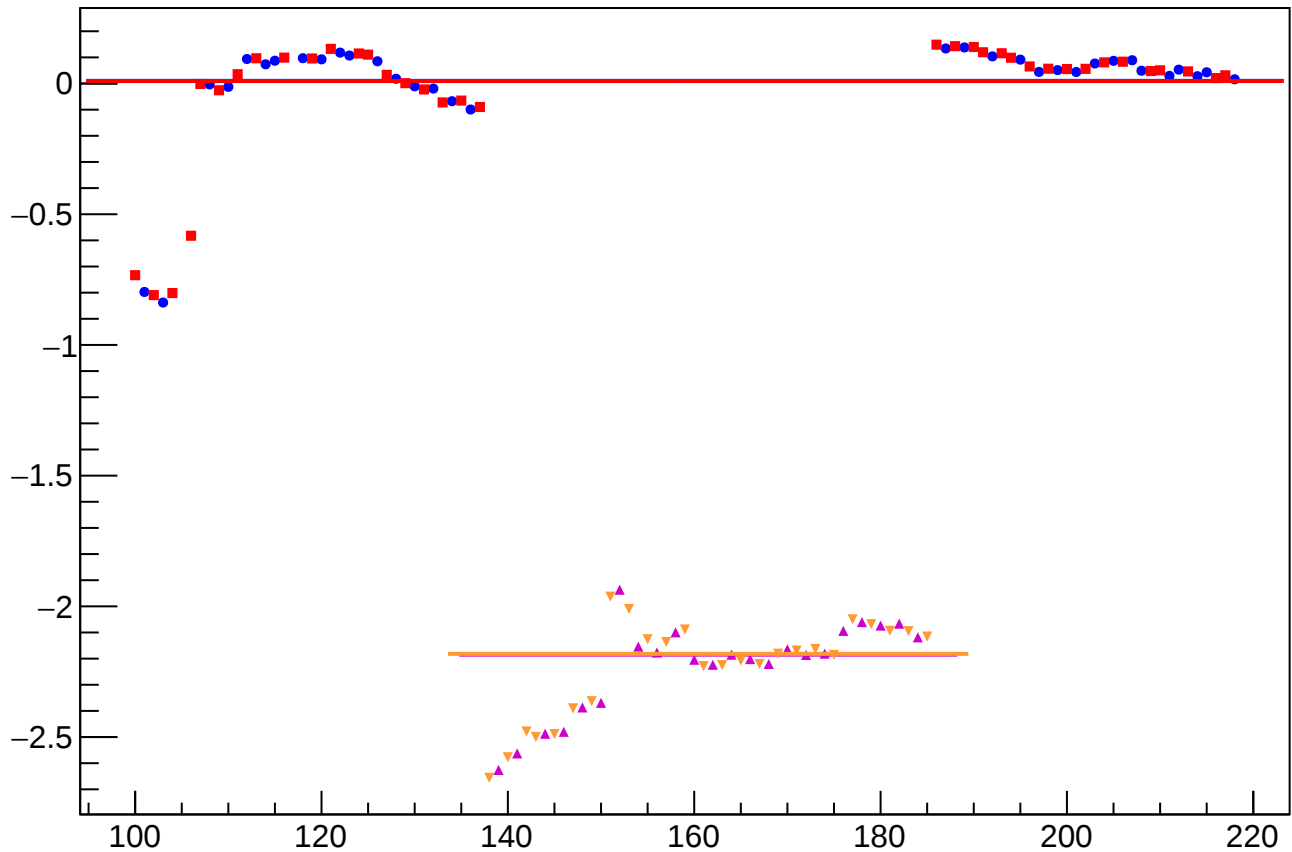
Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 5917873.6/57

All: 0.003+/-0.000 χ^2/NDF : 13114974.6/116

- sign 0.003+/-0.000 χ^2/NDF : 6962284.6/58

yield_bpm1i02X_mean vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 5917680447.7/32

Left Out: -2.182 $\pm$ 0.000 χ^2 /NDF: 4008829567.0/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 6987032261.9/35

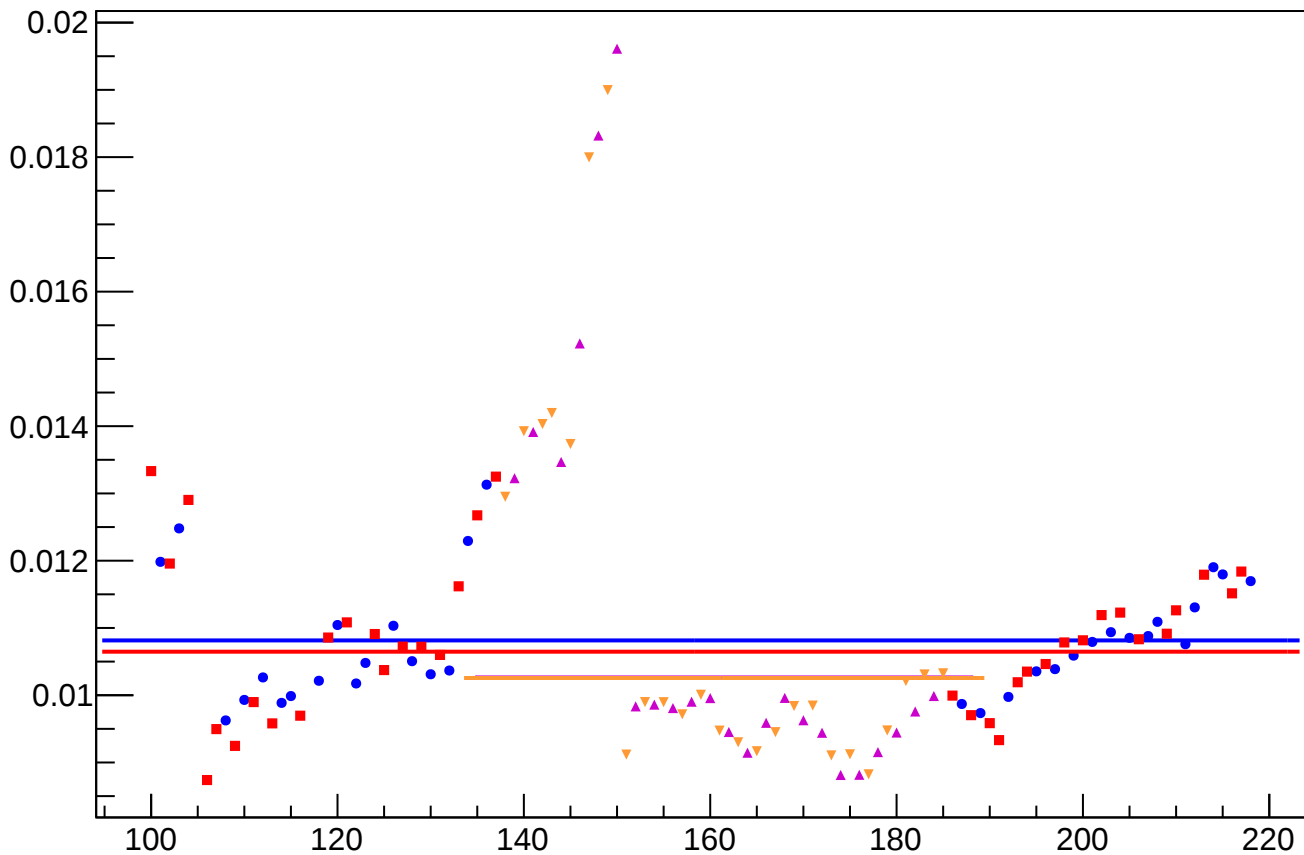
Left In: -2.185 $\pm$ 0.000 χ^2 /NDF: 3372742534.3/22

+ sign -1.132 $\pm$ 0.000 χ^2 /NDF: 395883203355.5/57

All: -1.100 $\pm$ 0.000 χ^2 /NDF: 792478082355.8

- sign -1.068 $\pm$ 0.000 χ^2 /NDF: 395940937256.1/58

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 193204.1/32

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 272290.2/35

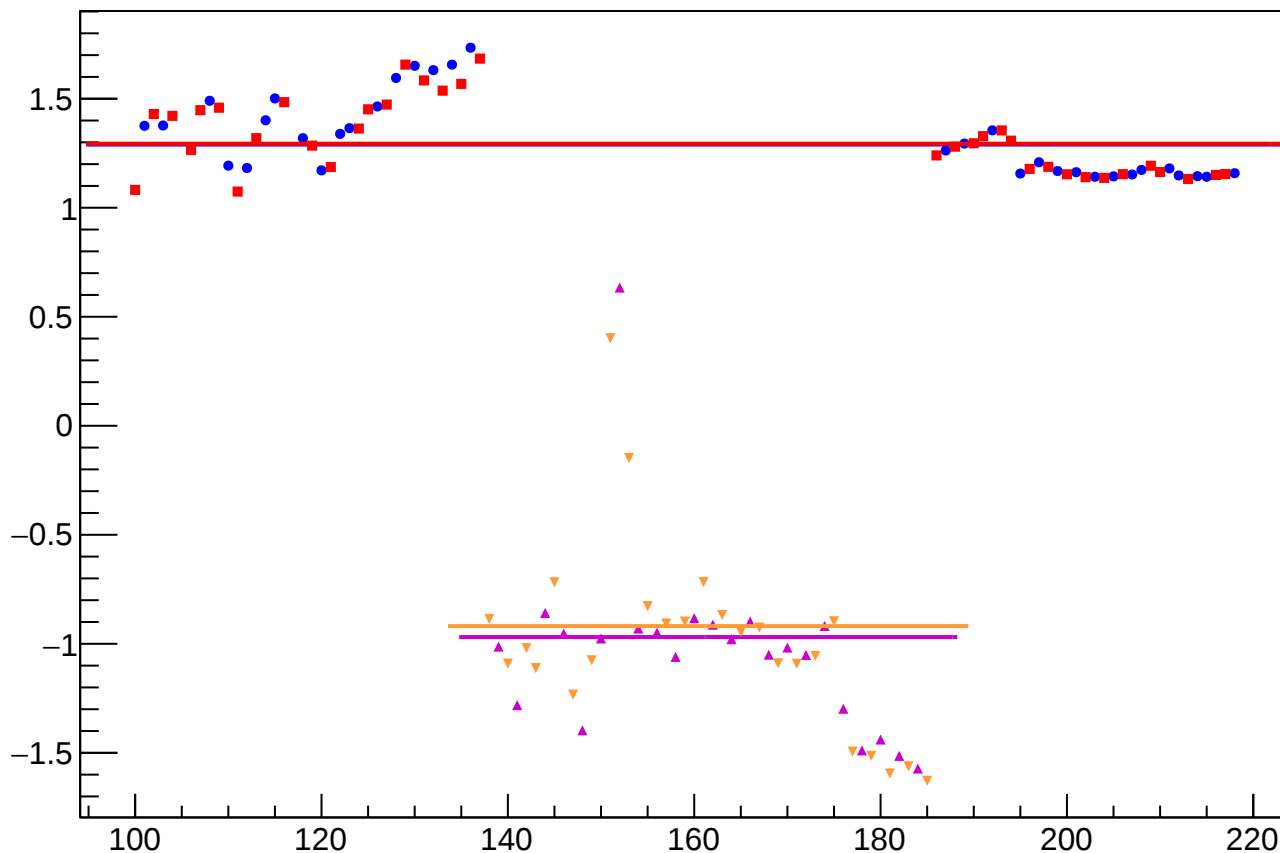
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 1513980.0/57

All: 0.010+/-0.000 χ^2/NDF : 3151338.9/116

- sign 0.010+/-0.000 χ^2/NDF : 1636027.1/58

yield_bpm1i02Y_mean vs Slug



Right In: 1.290 $\pm$ 0.000 χ^2 /NDF: 8773170576.0/32

Left Out: -0.919 $\pm$ 0.000 χ^2 /NDF: 55622252895.8/24

Right Out: 1.294 $\pm$ 0.000 χ^2 /NDF: 6925277766.3/35

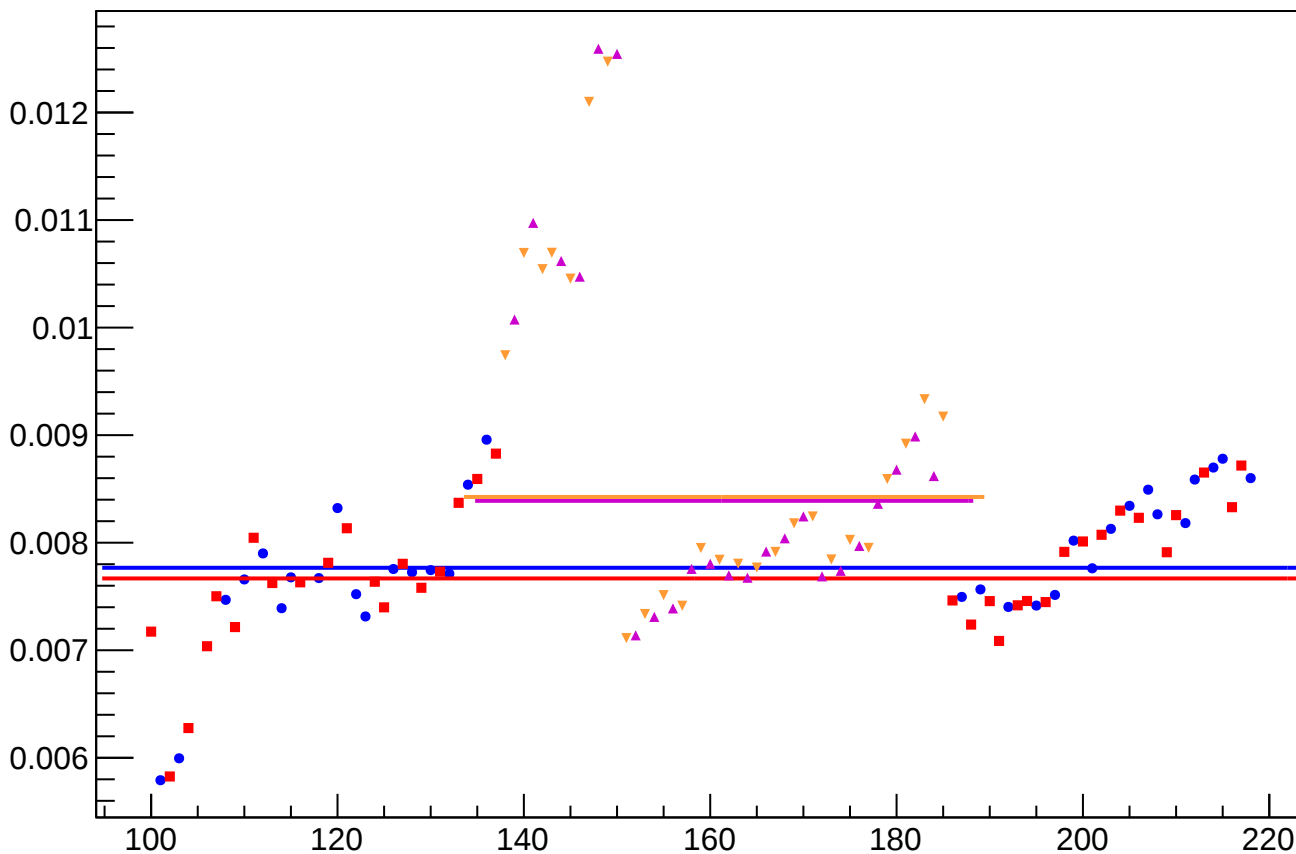
Left In: -0.969 $\pm$ 0.000 χ^2 /NDF: 54895002535.8/22

+ sign 0.277 $\pm$ 0.000 χ^2 /NDF: 730314582295.9/57

All: 0.297 $\pm$ 0.000 χ^2 /NDF: 1489100805049.

- sign 0.317 $\pm$ 0.000 χ^2 /NDF: 758348700612.6/58

yield_bpm1i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 379548.7/32

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 792337.0/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 293770.2/35

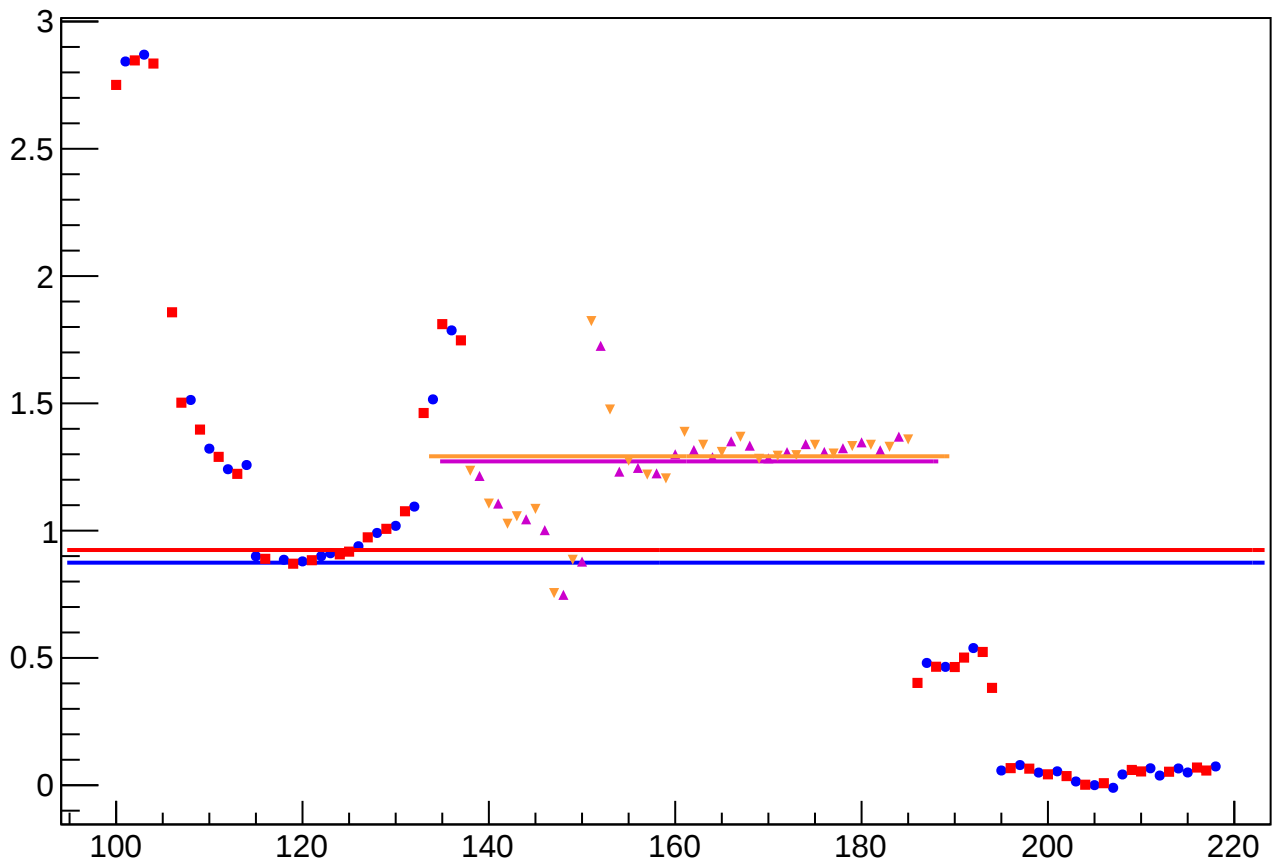
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1290300.7/57

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2570147.5/116

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1275413.5/58

yield_bpm1i04X_mean vs Slug



Right In: 0.874 $\pm$ 0.000 χ^2 /NDF: 146325066783.1/32

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

Right Out: 0.924 $\pm$ 0.000 χ^2 /NDF: 140260854883.5/35

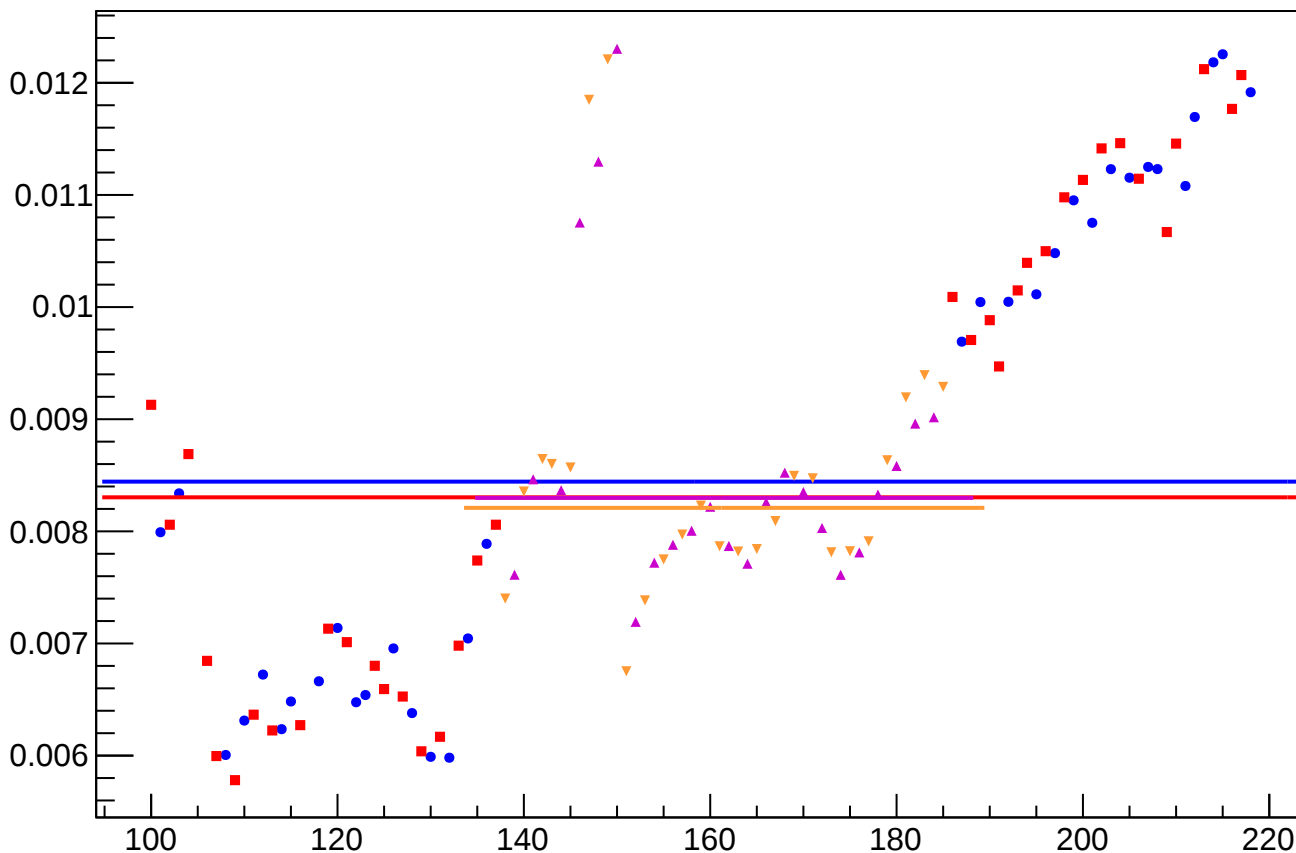
Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

+ sign 1.093 $\pm$ 0.000 χ^2 /NDF: 177466880199.3/57

All: 1.094 $\pm$ 0.000 χ^2 /NDF: 340348683975.8

- sign 1.094 $\pm$ 0.000 χ^2 /NDF: 162881454288.7/58

yield_bpm1i04X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 2281395.8/32

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:478864.9/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 2345647.3/35

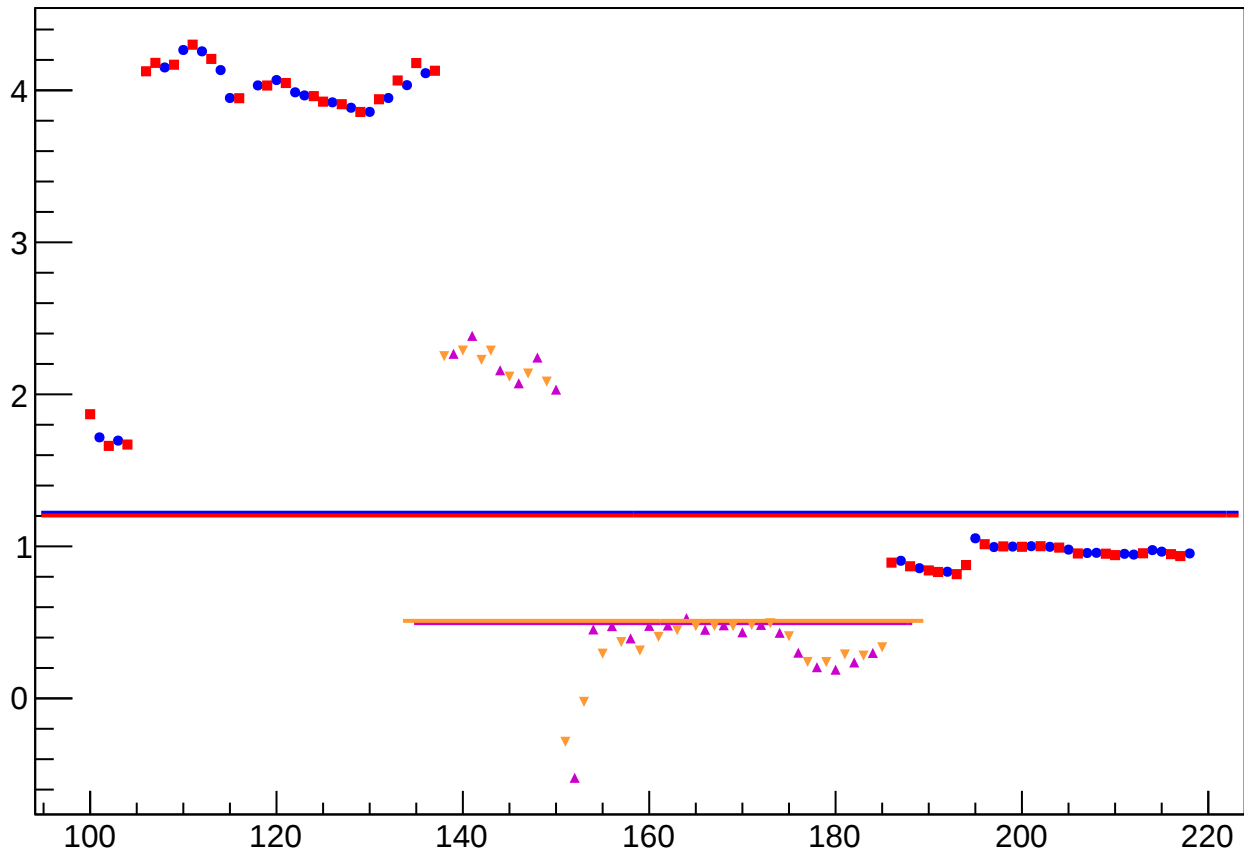
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2773926.3/57

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5581799.2/116

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2807675.8/58

yield_bpm1i04Y_mean vs Slug



Right In: 1.221 $\pm$ 0.000 χ^2 /NDF: 1542519421436.2/32

Left Out: 0.510 $\pm$ 0.000 χ^2 /NDF: 274818814912.4/24

Right Out: 1.203 $\pm$ 0.000 χ^2 /NDF: 1732482946012.8/35

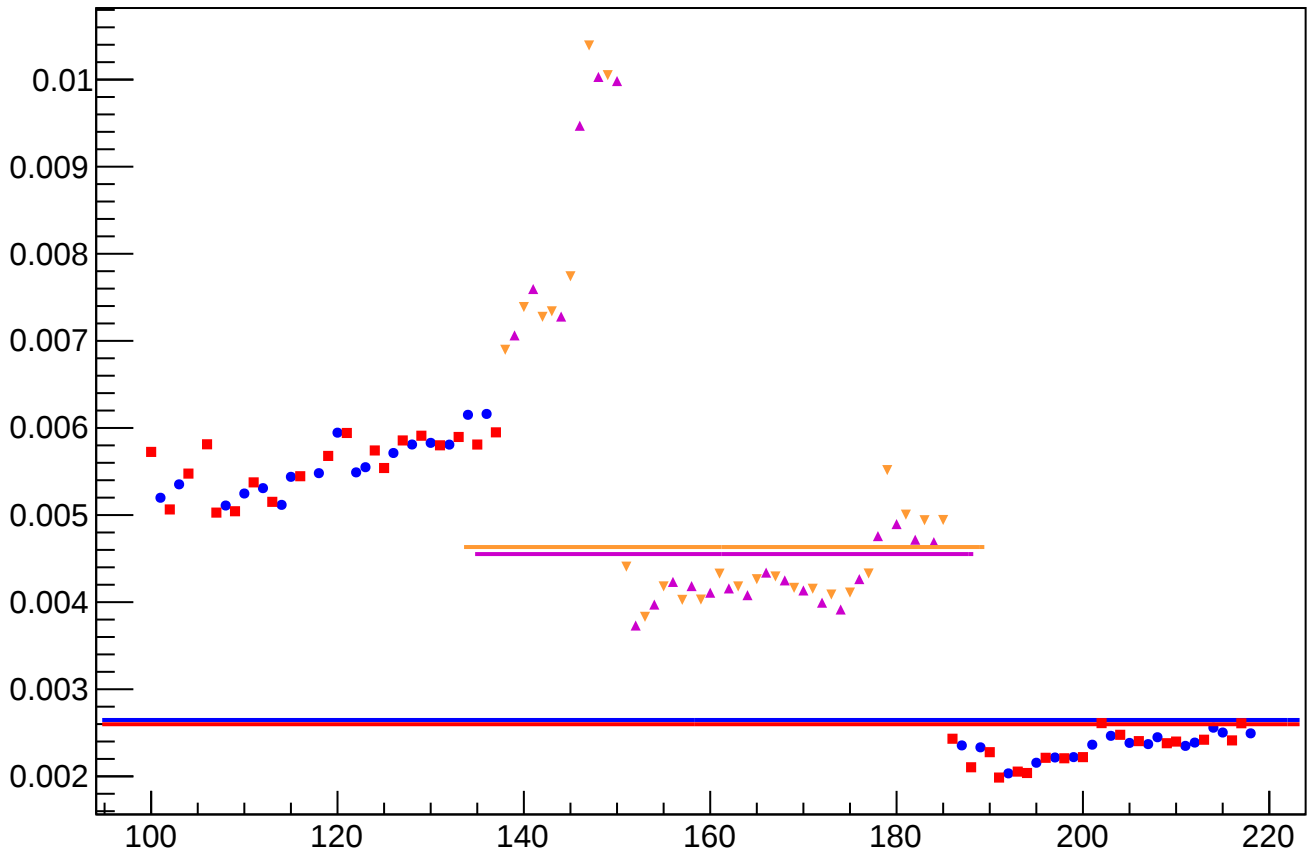
Left In: 0.495 $\pm$ 0.000 χ^2 /NDF: 268863202792.4/22

+ sign 1.034 $\pm$ 0.000 χ^2 /NDF: 2106987568347.6/57

All: 1.031 $\pm$ 0.000 χ^2 /NDF: 4394371441230.0

- sign 1.028 $\pm$ 0.000 χ^2 /NDF: 2287321723861.1/58

yield_bpm1i04Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 4197147.8/32

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:2114007.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 4481700.8/35

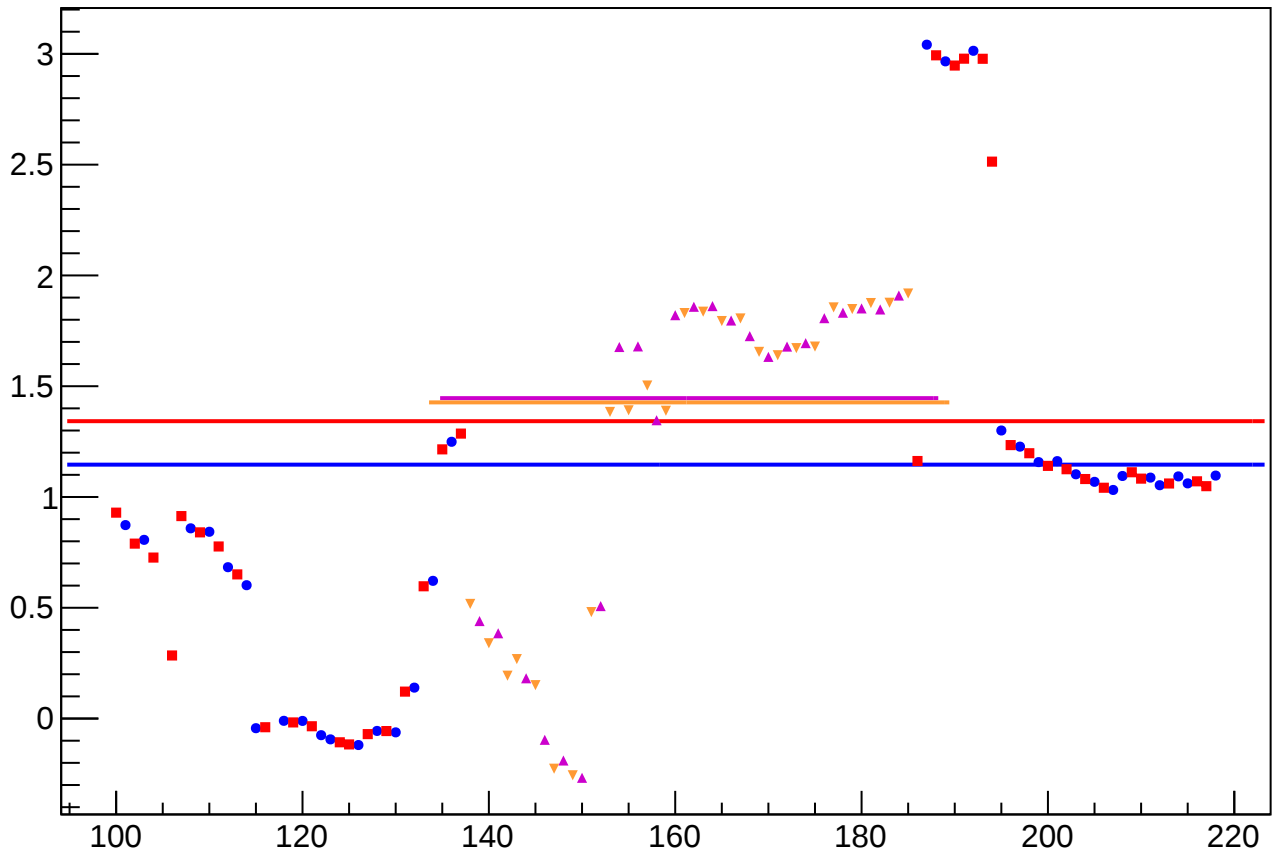
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:2237666.9/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 10825493.5/57

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 21921677.3/116

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 11073276.0/58

yield_bpm1i06X_mean vs Slug



Right In: 1.146 $\pm$ 0.000 χ^2 /NDF: 72912361043.7/32

Left Out: 1.427 $\pm$ 0.000 χ^2 /NDF: 49990787038.3/24

Right Out: 1.342 $\pm$ 0.000 χ^2 /NDF: 101839515987.7/35

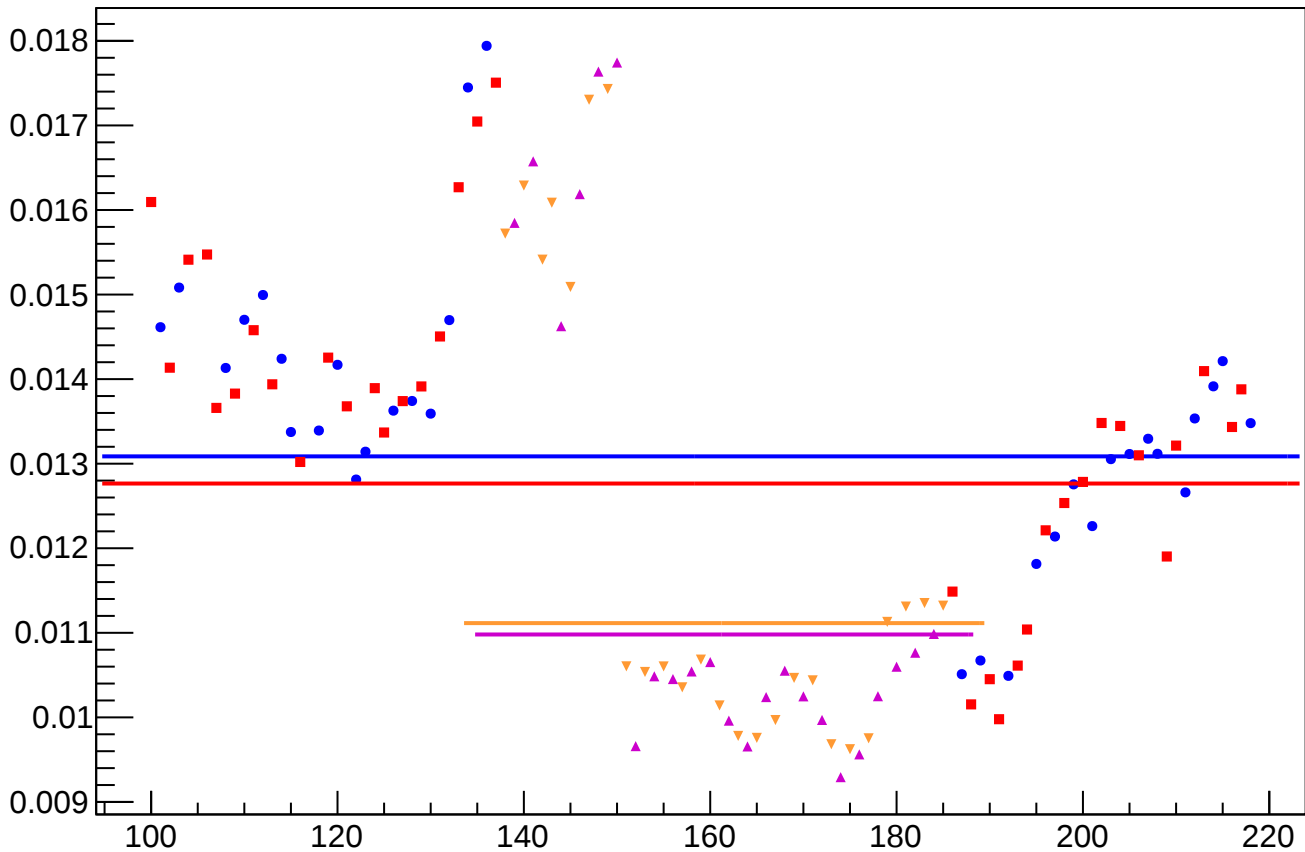
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.308 $\pm$ 0.000 χ^2 /NDF: 127645615354.7/57

All: 1.354 $\pm$ 0.000 χ^2 /NDF: 284932934189.2

- sign 1.400 $\pm$ 0.000 χ^2 /NDF: 156256437091.5/58

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 456322.8/32

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 597683.7/35

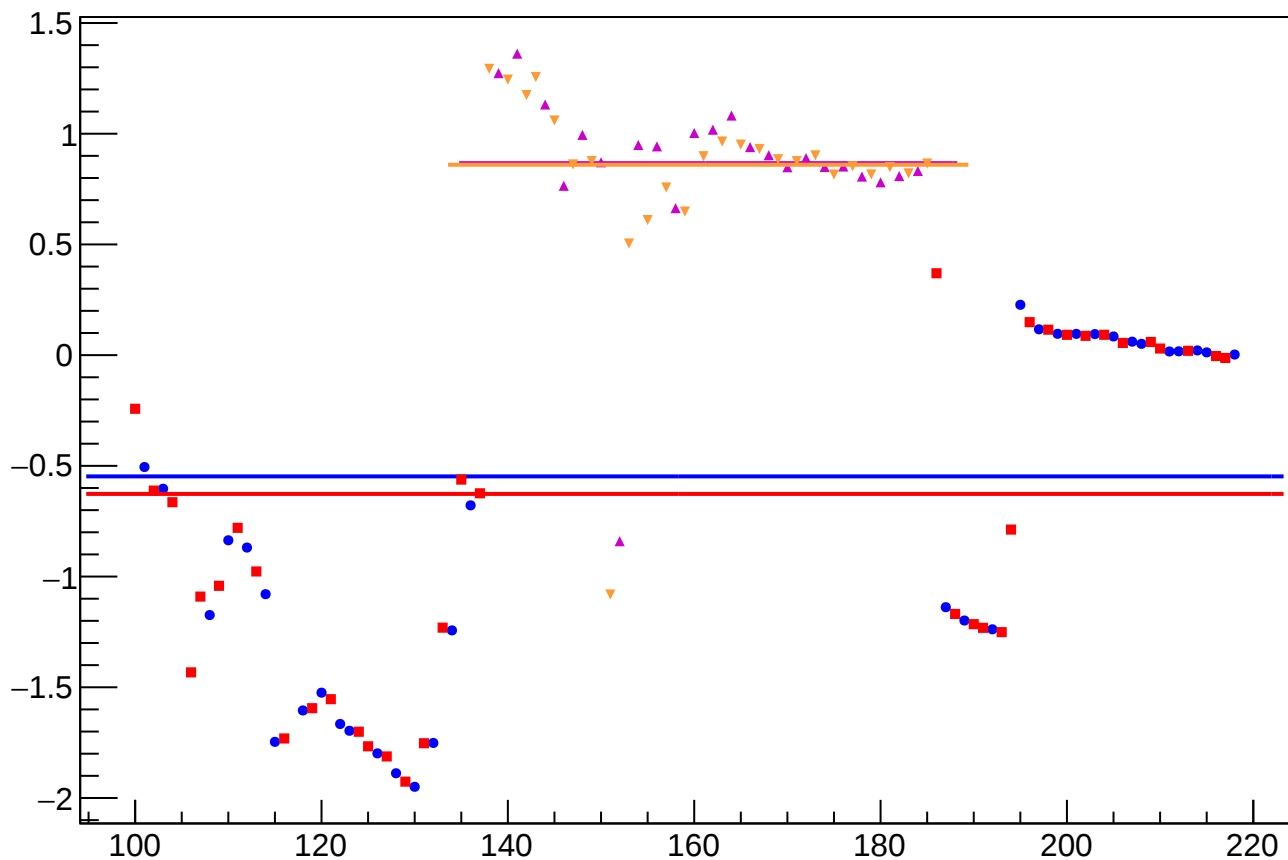
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 2150800.4/57

All: 0.012+/-0.000 χ^2/NDF : 4412133.3/116

- sign 0.012+/-0.000 χ^2/NDF : 2254330.3/58

yield_bpm1i06Y_mean vs Slug



Right In: -0.548 ± 0.000 χ^2/NDF : 203932267464.2/32

Left Out: 0.860 ± 0.000 χ^2/NDF : 126335891175.4/24

Right Out: -0.627 ± 0.000 χ^2/NDF : 190482532653.0/35

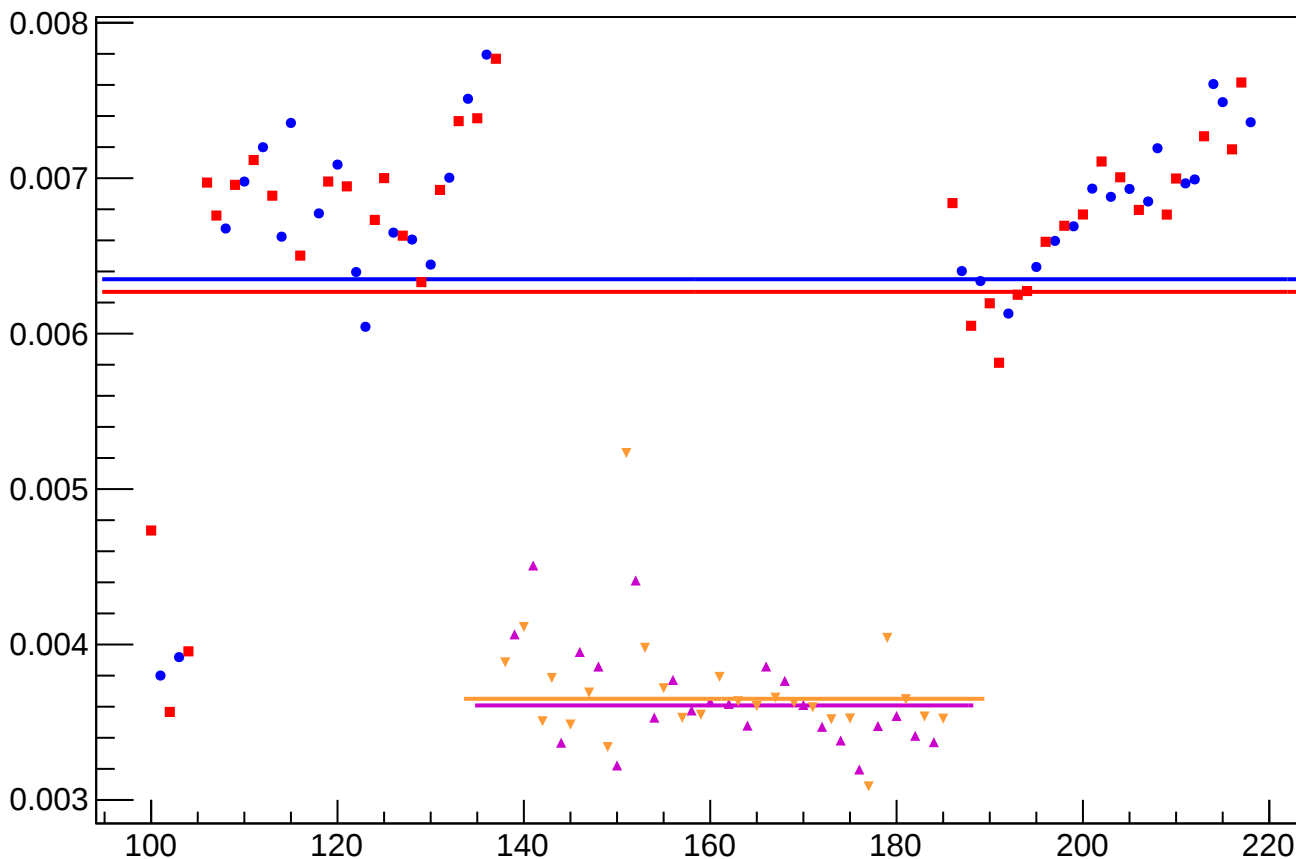
Left In: 0.867 ± 0.000 χ^2/NDF : 147039402944.6/22

+ sign 0.508 ± 0.000 χ^2/NDF : 951199043203.9/57

All: 0.489 ± 0.000 χ^2/NDF : 2008110574161.

- sign 0.469 ± 0.000 χ^2/NDF : 1055651708825.6/58

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1171288.0/32

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1227235.7/35

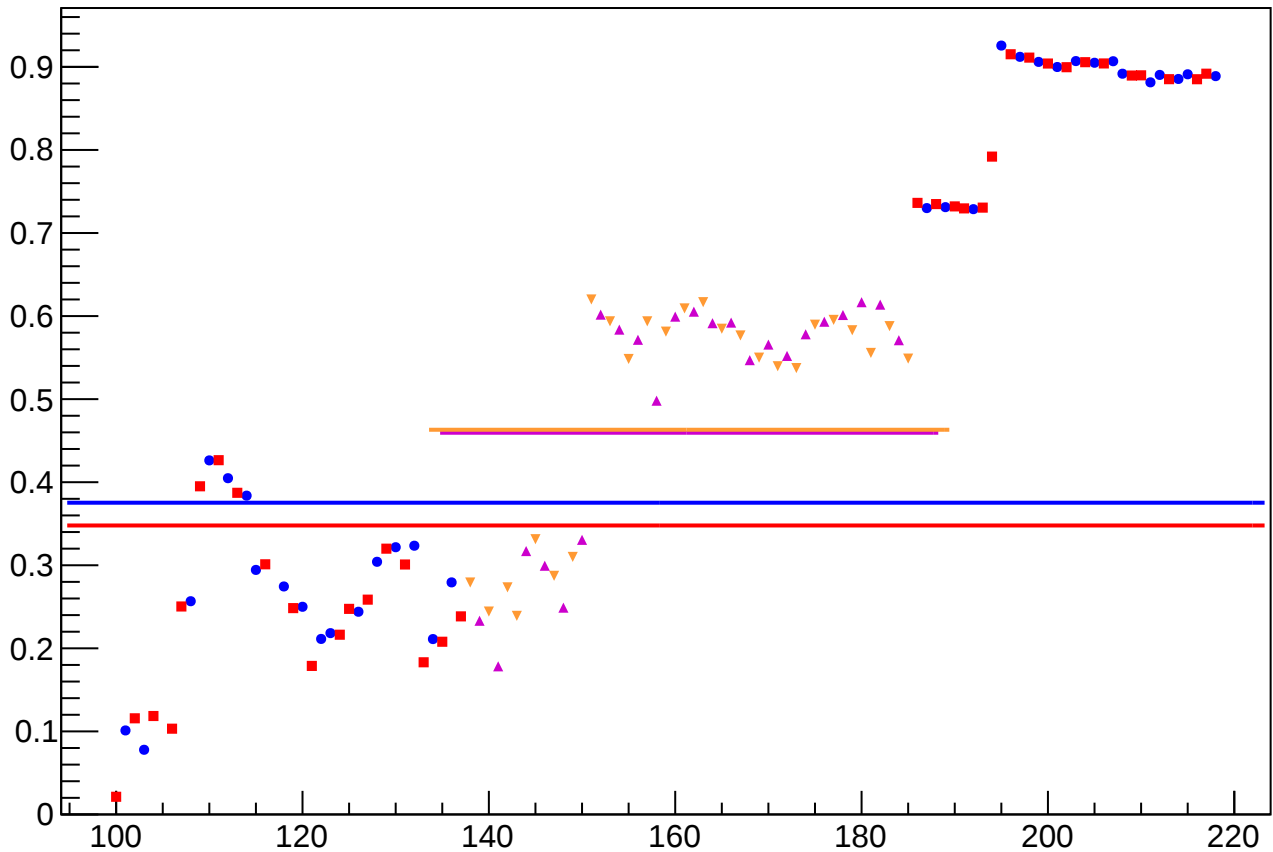
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5975861.9/57

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 11986725.9/116

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6010747.0/58

yield_bpm2i01X_mean vs Slug



Right In: 0.375 $\pm$ 0.000 χ^2 /NDF: 203834050871.9/32

Left Out: 0.463 $\pm$ 0.000 χ^2 /NDF: 102506270538.7/24

Right Out: 0.348 $\pm$ 0.000 χ^2 /NDF: 211896592912.0/35

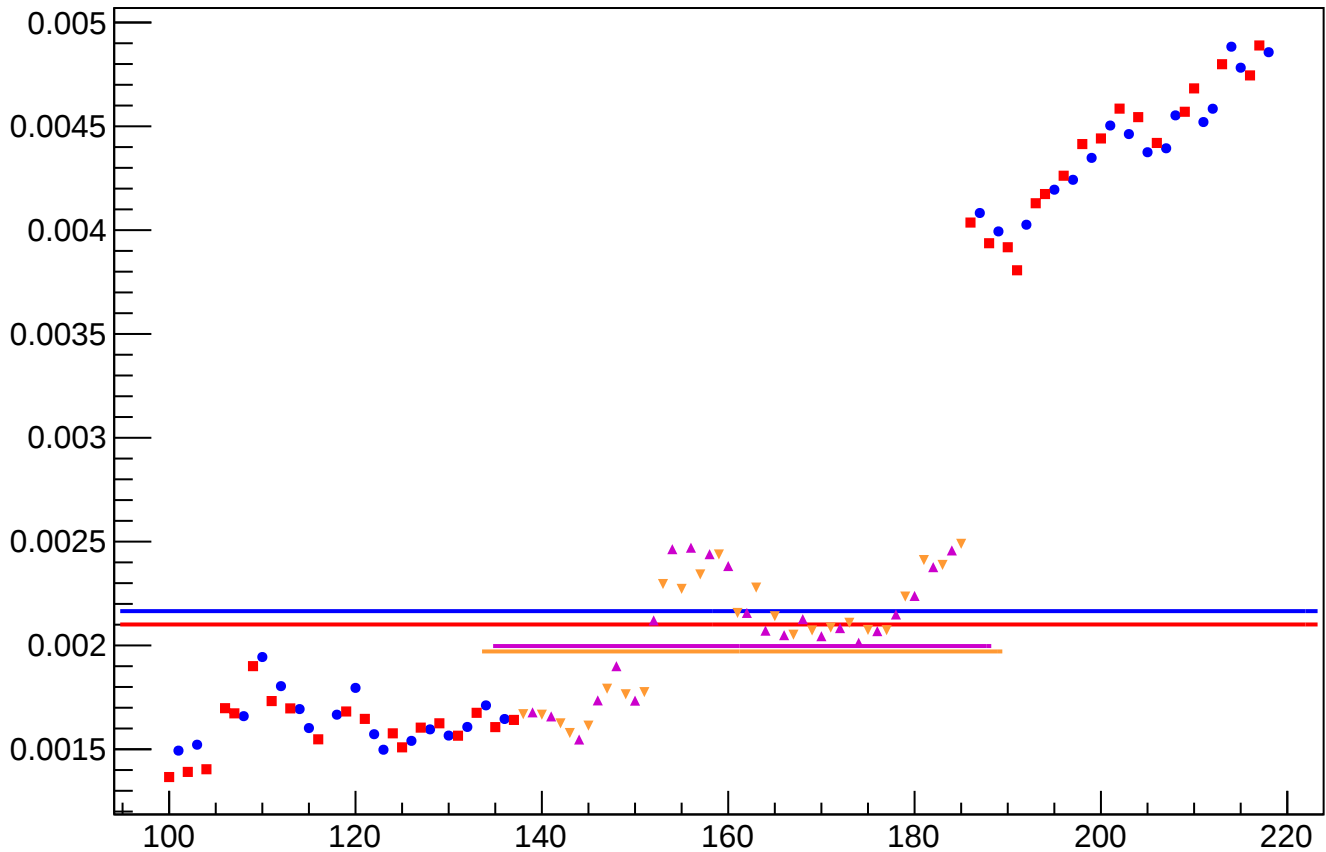
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF: 104559088628.4/22

+ sign 0.428 $\pm$ 0.000 χ^2 /NDF: 320407464871.2/57

All: 0.419 $\pm$ 0.000 χ^2 /NDF: 661208180643.6

- sign 0.410 $\pm$ 0.000 χ^2 /NDF: 339574326784.2/58

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 7486262.3/32

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 7769162.6/35

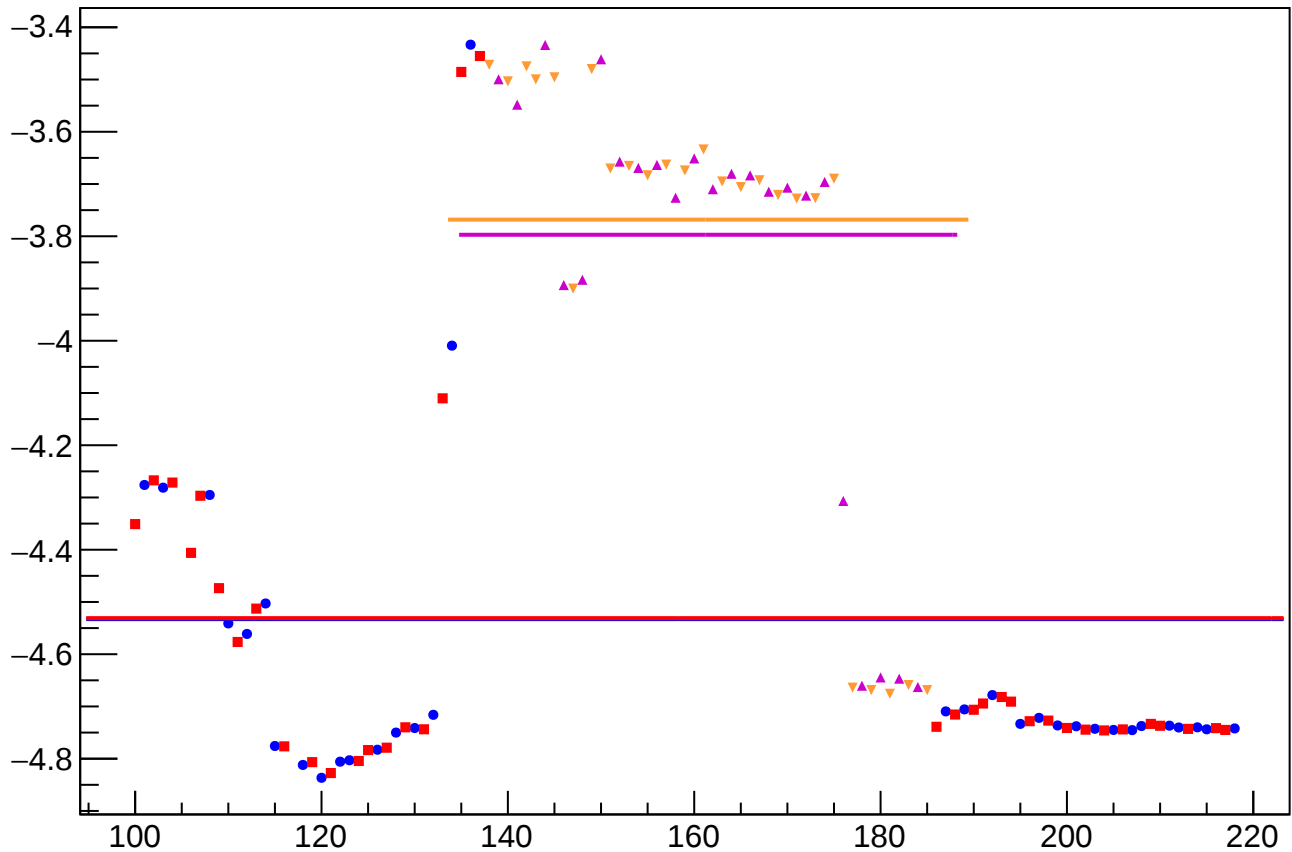
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 8353905.8/57

All: 0.002+/-0.000 χ^2/NDF : 16829689.9/116

- sign 0.002+/-0.000 χ^2/NDF : 8475581.9/58

yield_bpm2i01Y_mean vs Slug



Right In: -4.533+/-0.000 χ^2/NDF : 449503034363.4/32

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.531+/-0.000 χ^2/NDF : 384050652141.3/35

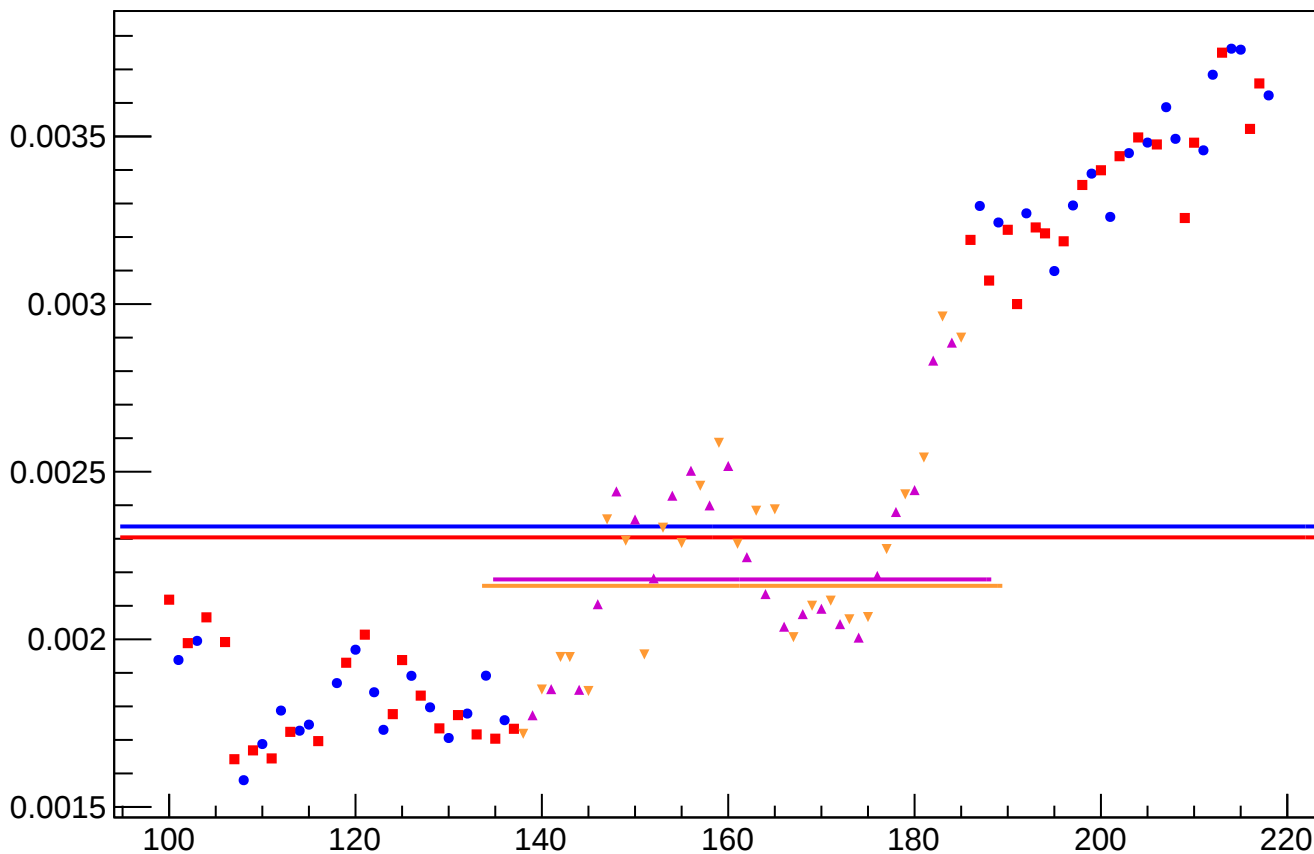
Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.102+/-0.000 χ^2/NDF : 1940479593402.6/5

All: -4.122+/-0.000 χ^2/NDF : 3673870790689

- sign -4.142+/-0.000 χ^2/NDF : 1728030996045.8/5

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 3579000.4/32

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:547831.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3490048.8/35

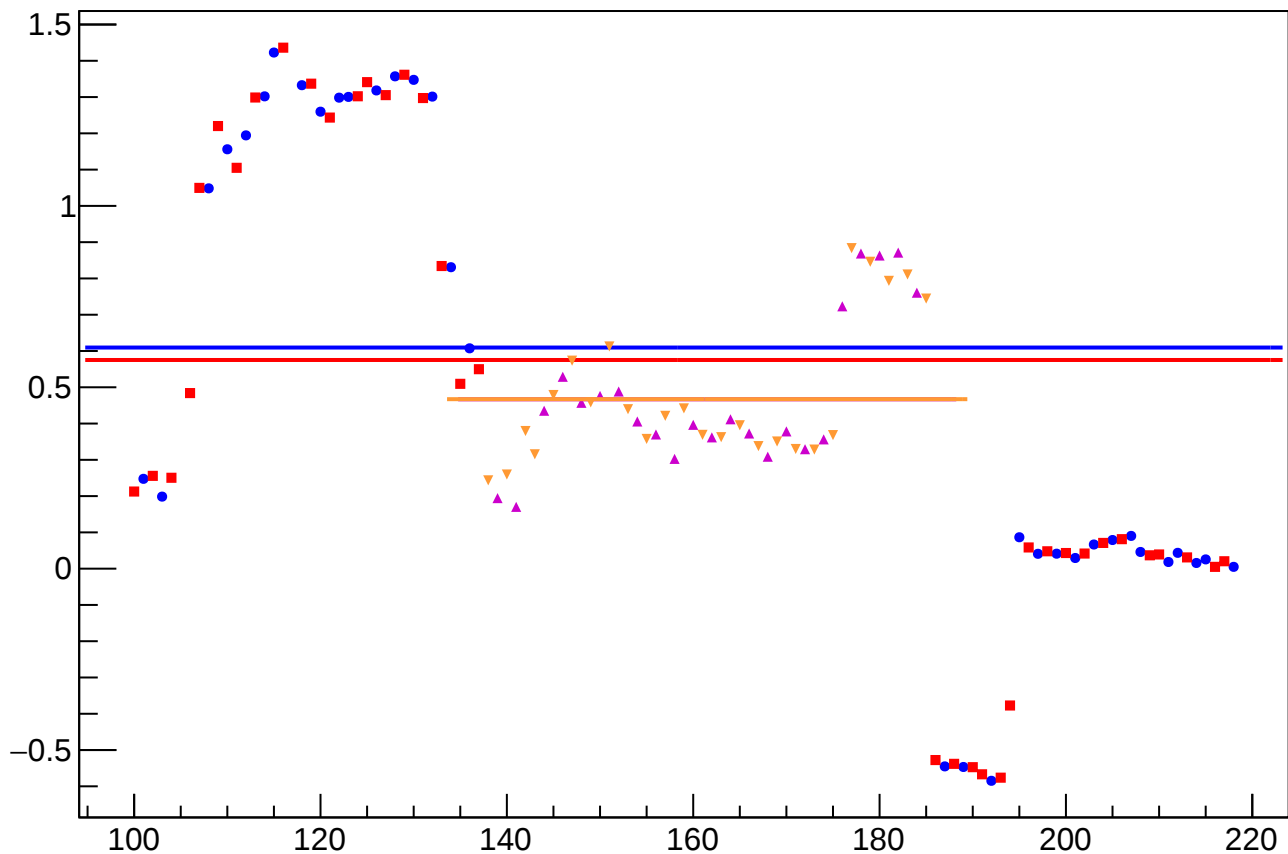
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:463279.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4231278.5/57

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 8237145.3/116

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4005863.5/58

yield_bpm2i02X_mean vs Slug



Right In: 0.610 ± 0.000 $\chi^2/\text{NDF}: 86917746220.2/32$

Left Out: 0.467 ± 0.000 $\chi^2/\text{NDF}: 7359344143.3/24$

Right Out: 0.575 ± 0.000 $\chi^2/\text{NDF}: 103797160481.5/35$

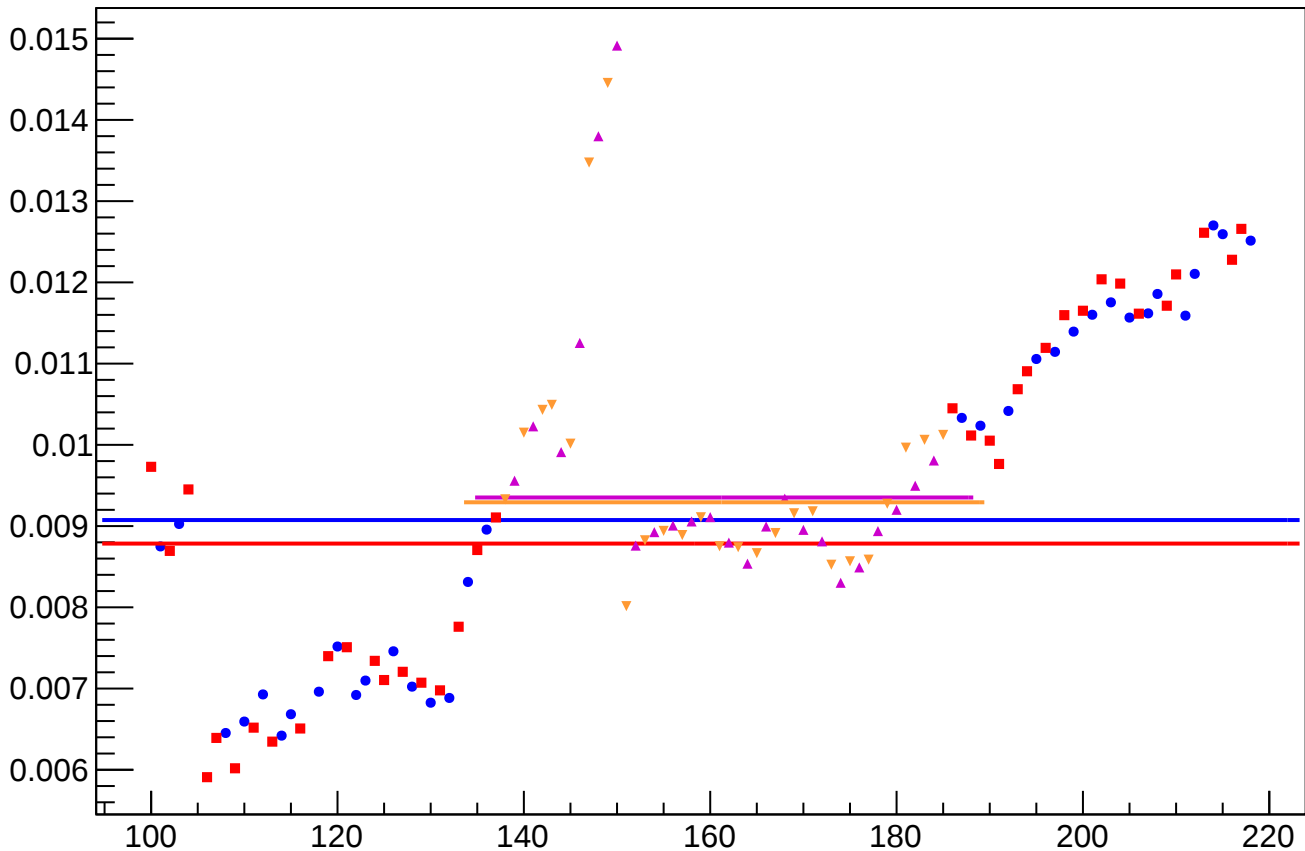
Left In: 0.467 ± 0.000 $\chi^2/\text{NDF}: 8036741308.0/22$

+ sign 0.538 ± 0.000 $\chi^2/\text{NDF}: 96388840511.4/57$

All: 0.532 ± 0.000 $\chi^2/\text{NDF}: 209486958629.9$

- sign 0.525 ± 0.000 $\chi^2/\text{NDF}: 113062464526.3/58$

yield_bpm2i02X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 2016885.3/32

Left Out: 0.009+/-0.000 χ^2/NDF :528279.5/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2331701.3/35

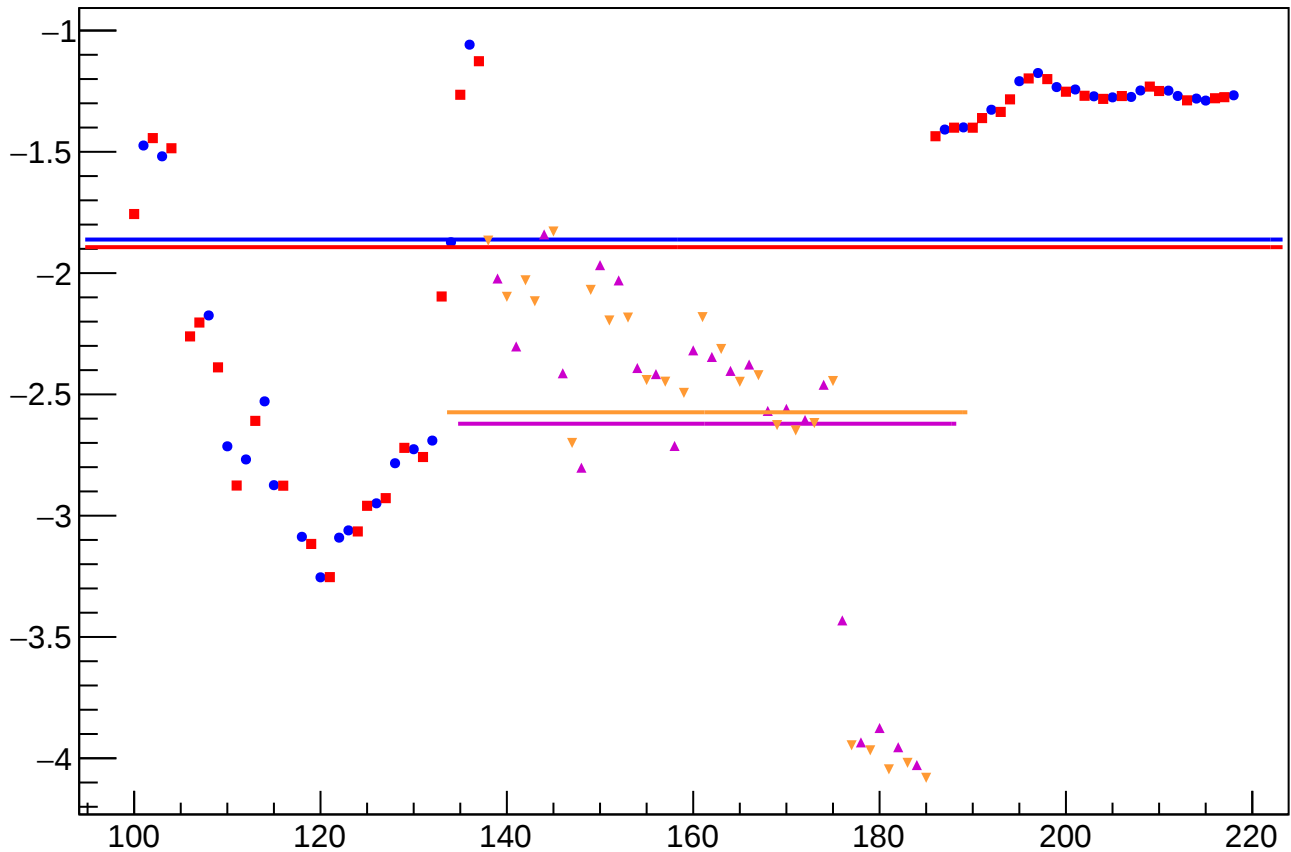
Left In: 0.009+/-0.000 χ^2/NDF :557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 2555120.0/57

All: 0.009+/-0.000 χ^2/NDF : 5519549.9/116

- sign 0.009+/-0.000 χ^2/NDF : 2956553.1/58

yield_bpm2i02Y_mean vs Slug



Right In: -1.862+/-0.000 χ^2/NDF : 138980460449.8/32

Left Out: -2.574+/-0.000 χ^2/NDF : 99176112704.9/24

Right Out: -1.893+/-0.000 χ^2/NDF : 135526096674.7/35

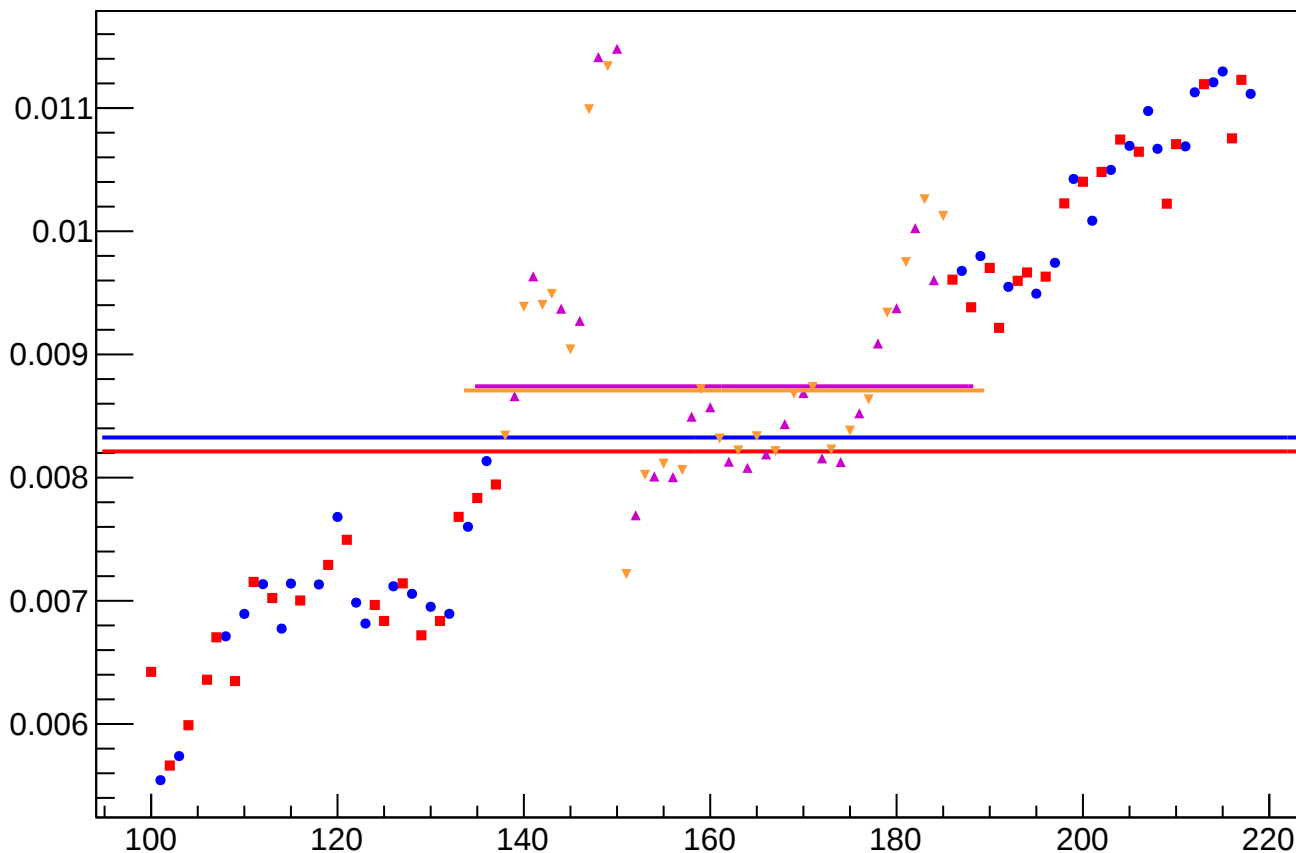
Left In: -2.621+/-0.000 χ^2/NDF : 80862402796.4/22

+ sign -2.211+/-0.000 χ^2/NDF : 300089235143.7/57

All: -2.219+/-0.000 χ^2/NDF : 580881559212.7

- sign -2.227+/-0.000 χ^2/NDF : 280729730269.9/58

yield_bpm2i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1839943.4/32

Left Out: 0.009+/-0.000 χ^2/NDF : 369376.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1714485.8/35

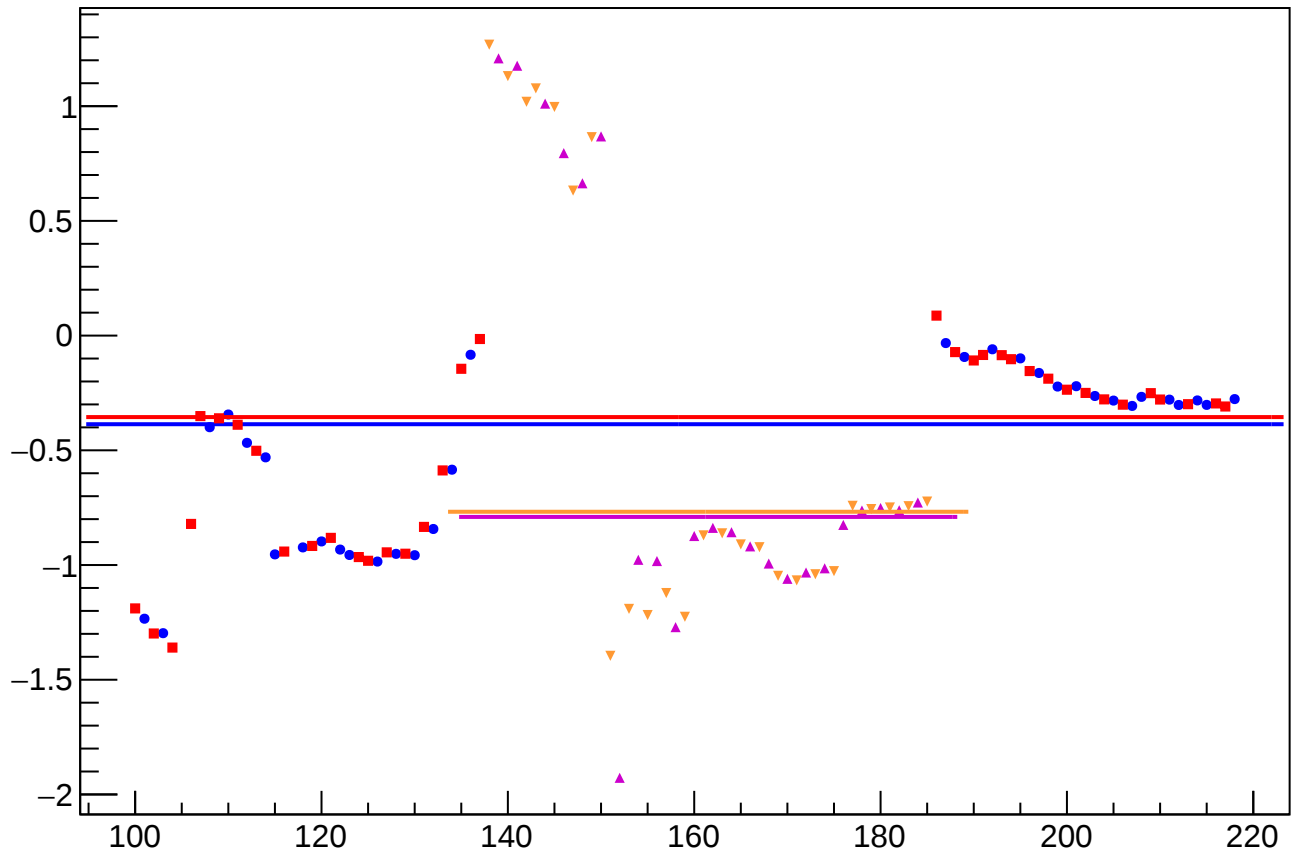
Left In: 0.009+/-0.000 χ^2/NDF : 353750.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 2244879.0/57

All: 0.008+/-0.000 χ^2/NDF : 4382629.9/116

- sign 0.008+/-0.000 χ^2/NDF : 2136104.8/58

yield_bpm0i01X_mean vs Slug



Right In: -0.386 ± 0.000 χ^2/NDF : 23178342191.1/32

Left Out: -0.768 ± 0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.355 ± 0.000 χ^2/NDF : 25366273338.0/35

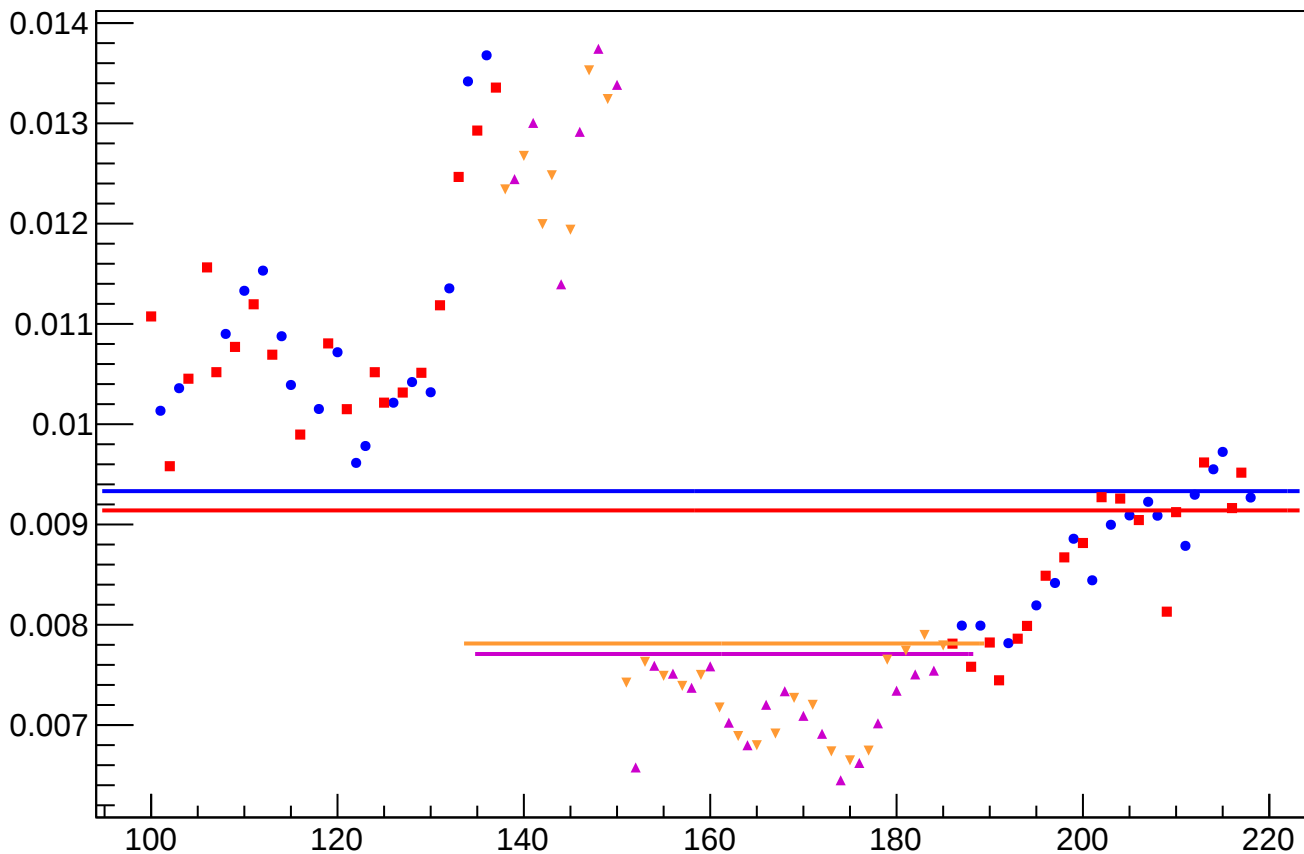
Left In: -0.790 ± 0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.608 ± 0.000 χ^2/NDF : 161123757338.6/57

All: -0.603 ± 0.000 χ^2/NDF : 332773118410.0

- sign -0.598 ± 0.000 χ^2/NDF : 171623603420.2/58

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 550762.3/32

Left Out: 0.008+/-0.000 χ^2/NDF : 1705997.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 656930.8/35

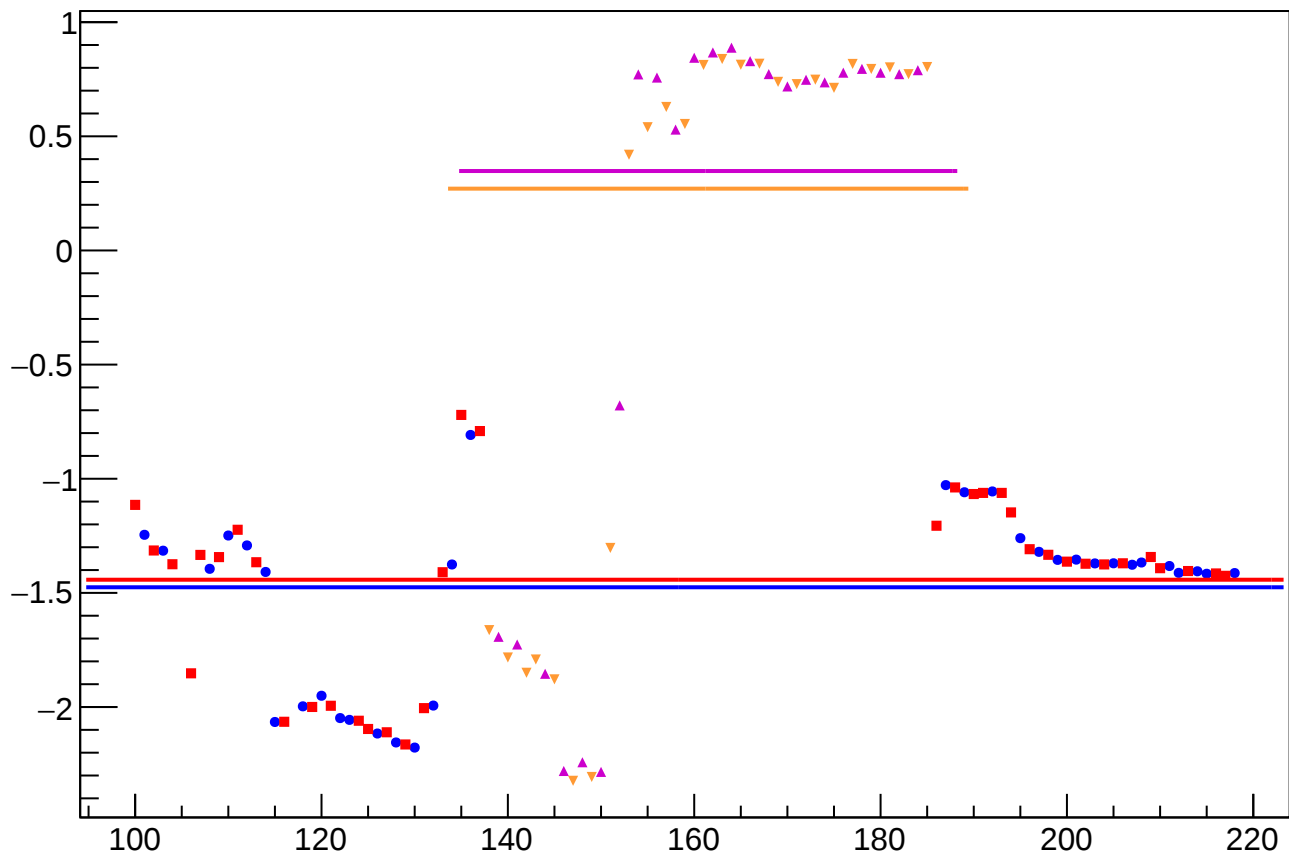
Left In: 0.008+/-0.000 χ^2/NDF : 1746653.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 2801316.9/57

All: 0.008+/-0.000 χ^2/NDF : 5704110.4/116

- sign 0.008+/-0.000 χ^2/NDF : 2897209.8/58

yield_bpm0i01Y_mean vs Slug



Right In: -1.475+/-0.000 χ^2/NDF : 175317048117.8/32

Left Out: 0.271+/-0.000 χ^2/NDF : 2583233987355.9/24

Right Out: -1.442+/-0.000 χ^2/NDF : 164575923255.5/35

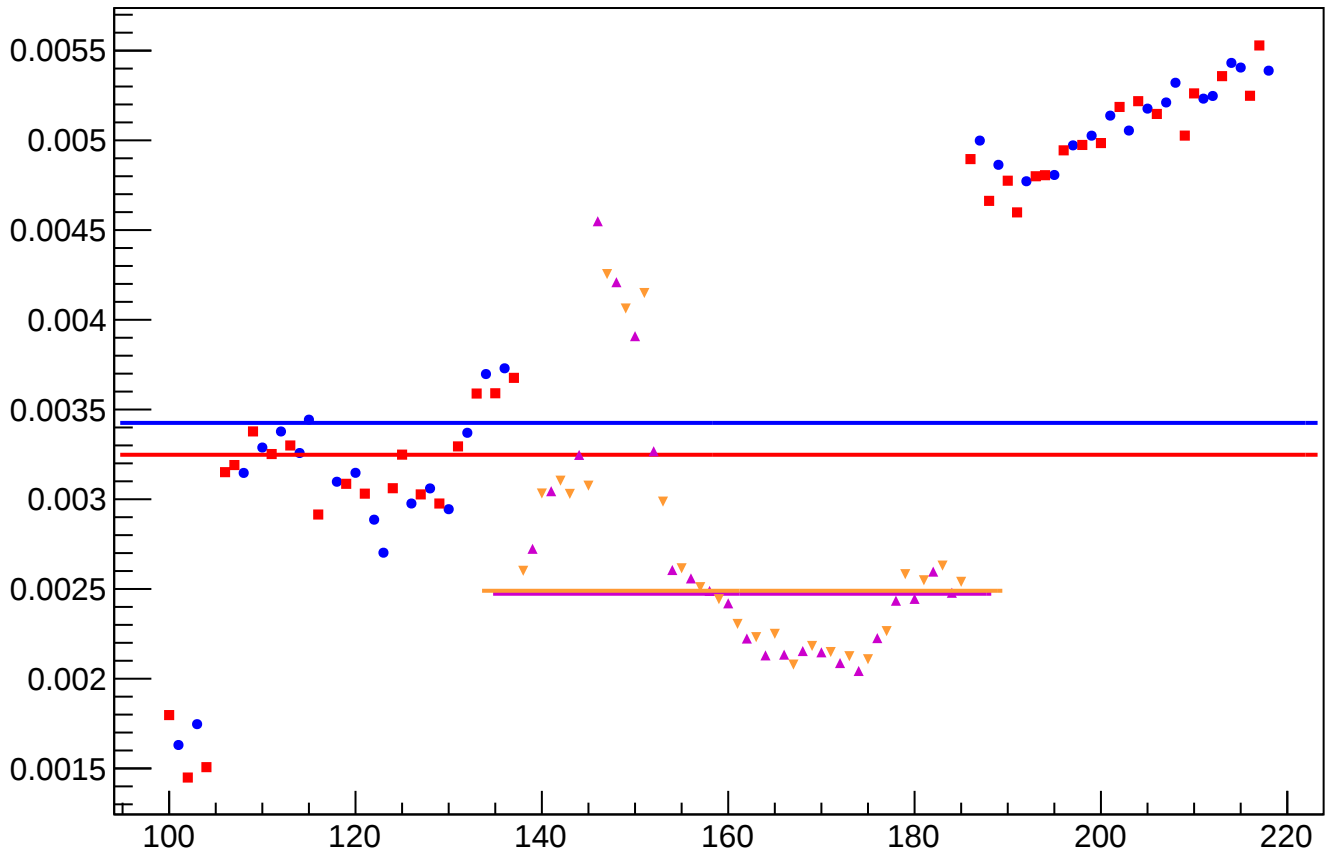
Left In: 0.348+/-0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.301+/-0.000 χ^2/NDF : 5378062580357.6/5

All: -0.302+/-0.000 χ^2/NDF : 1070472178097

- sign -0.302+/-0.000 χ^2/NDF : 5326658785302.2/5

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4727055.5/32

Left Out: 0.002+/-0.000 χ^2/NDF :1070282.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 5689877.8/35

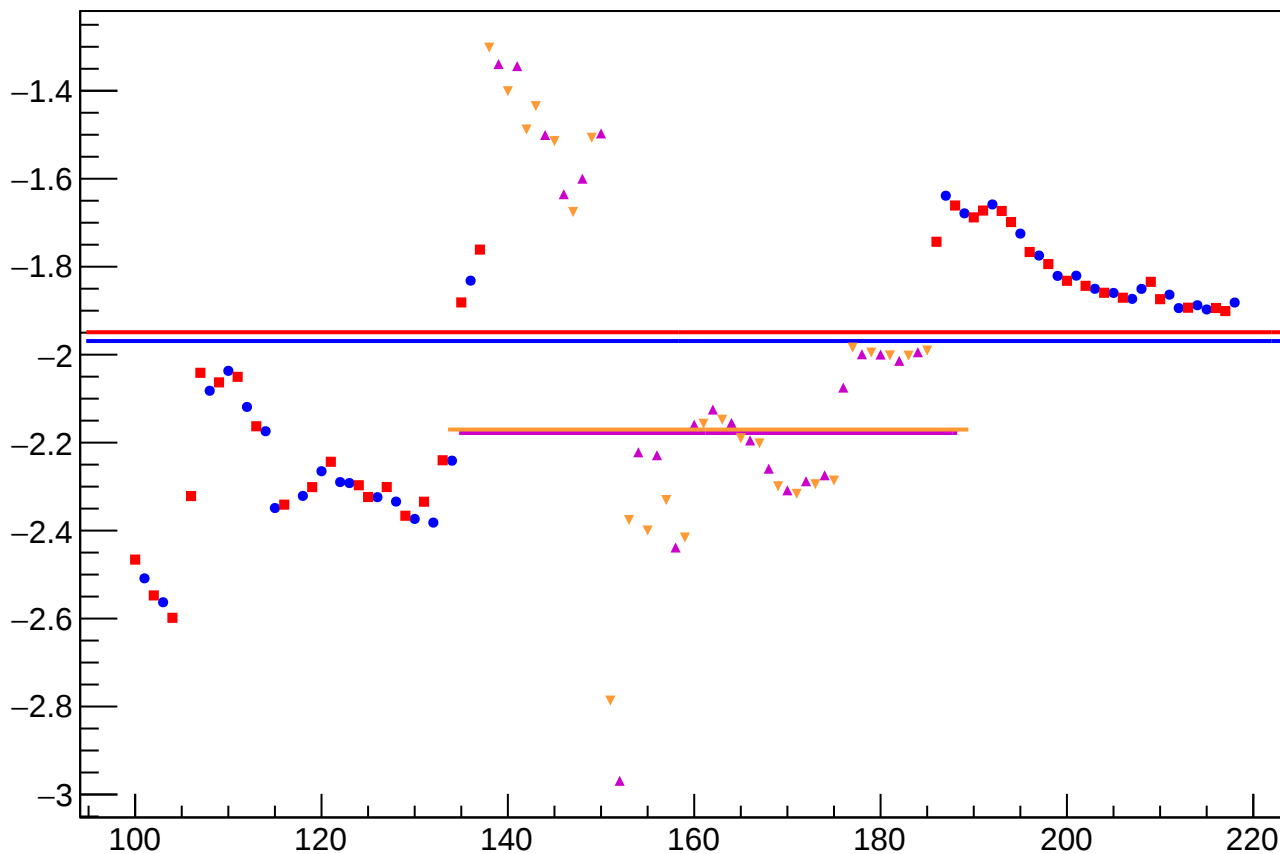
Left In: 0.002+/-0.000 χ^2/NDF :1135279.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 7301046.3/57

All: 0.003+/-0.000 χ^2/NDF : 15214062.2/116

- sign 0.003+/-0.000 χ^2/NDF : 7906132.3/58

yield_bpm0i01aX_mean vs Slug



Right In: -1.969+/-0.000 χ^2/NDF : 31706337087.8/32

Left Out: -2.170+/-0.000 χ^2/NDF : 59967315241.9/24

Right Out: -1.949+/-0.000 χ^2/NDF : 35433228844.4/35

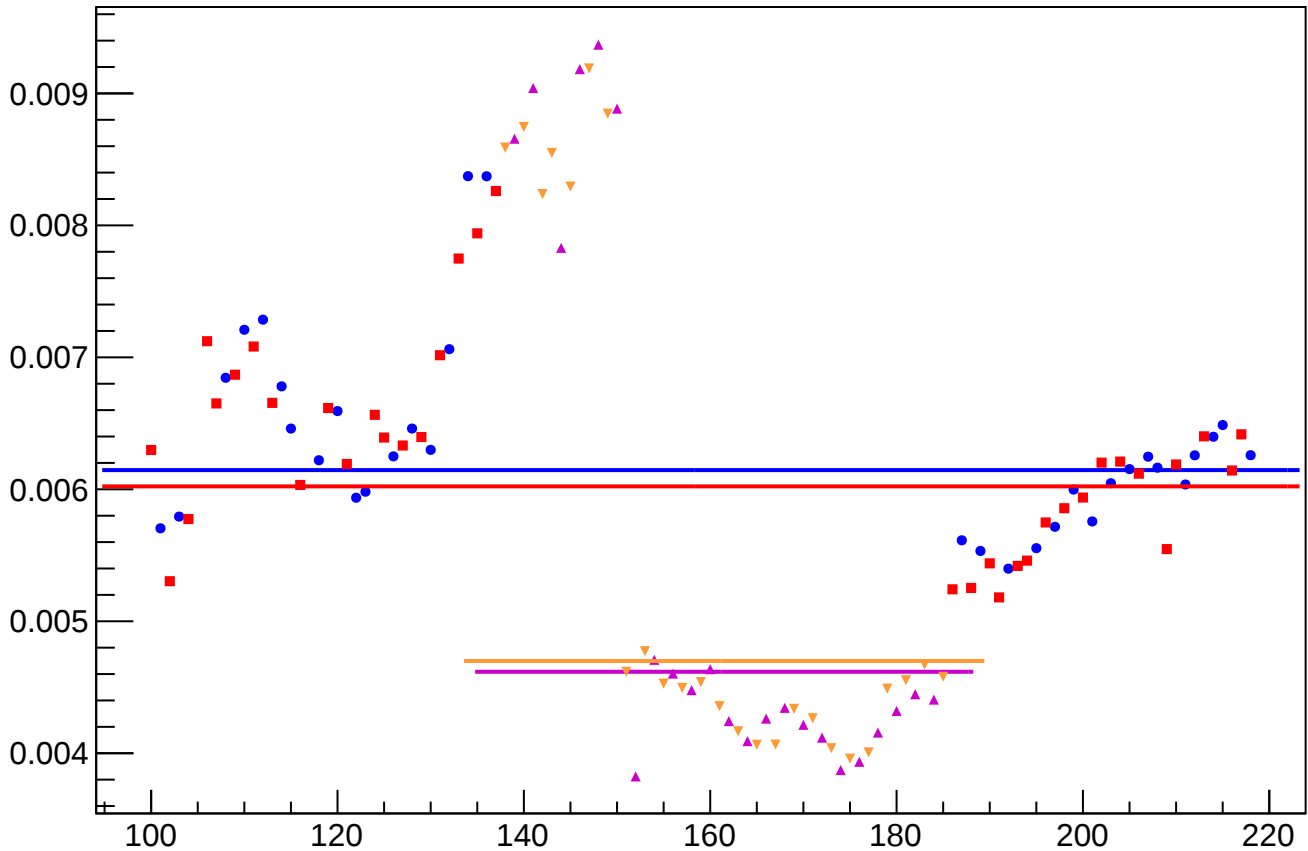
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.093+/-0.000 χ^2/NDF : 103364951643.2/57

All: -2.089+/-0.000 χ^2/NDF : 227807101151.7

- sign -2.085+/-0.000 χ^2/NDF : 124402602064.1/58

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 311182.3/32

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 376956.2/35

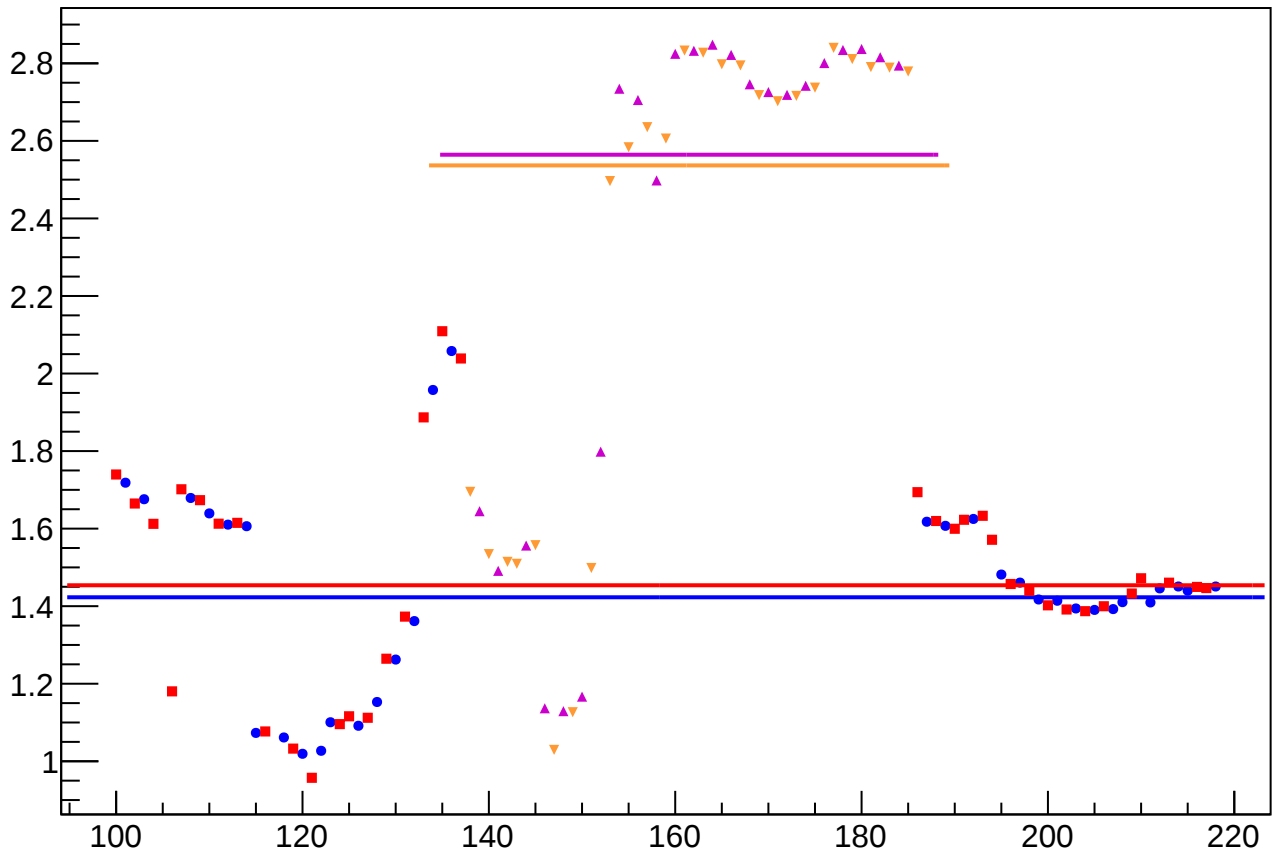
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3839226.7/57

All: 0.005+/-0.000 χ^2/NDF : 7759580.3/116

- sign 0.005+/-0.000 χ^2/NDF : 3915023.3/58

yield_bpm0i01aY_mean vs Slug



Right In: 1.423+/-0.000 χ^2/NDF : 174214784569.8/32

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.454+/-0.000 χ^2/NDF : 177002078039.8/35

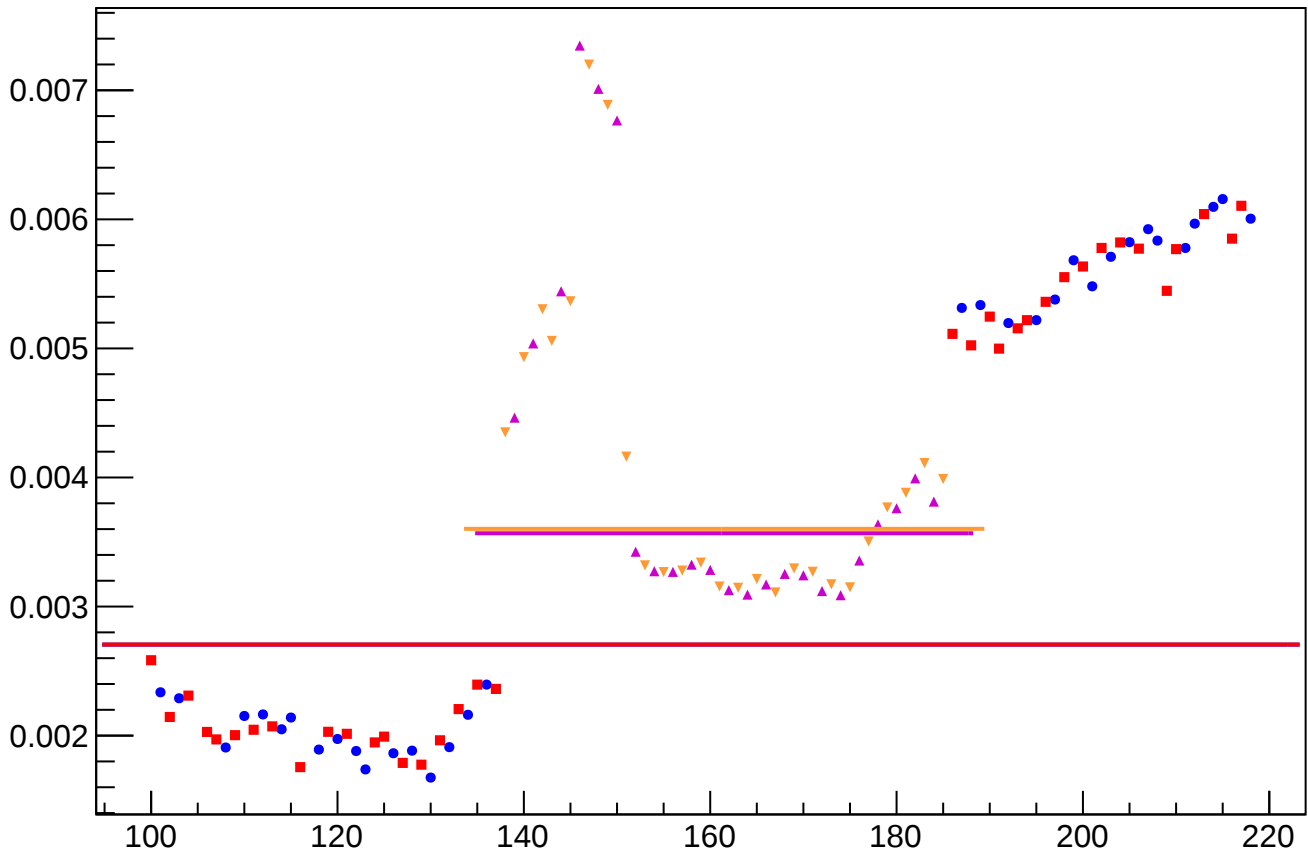
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.877+/-0.000 χ^2/NDF : 1390443436829.5/57

All: 1.880+/-0.000 χ^2/NDF : 2756153740067.

- sign 1.882+/-0.000 χ^2/NDF : 1365663393244.5/58

yield_bpm0i01aY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 7895856.0/32

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.003+/-0.000 χ^2/NDF : 7618089.8/35

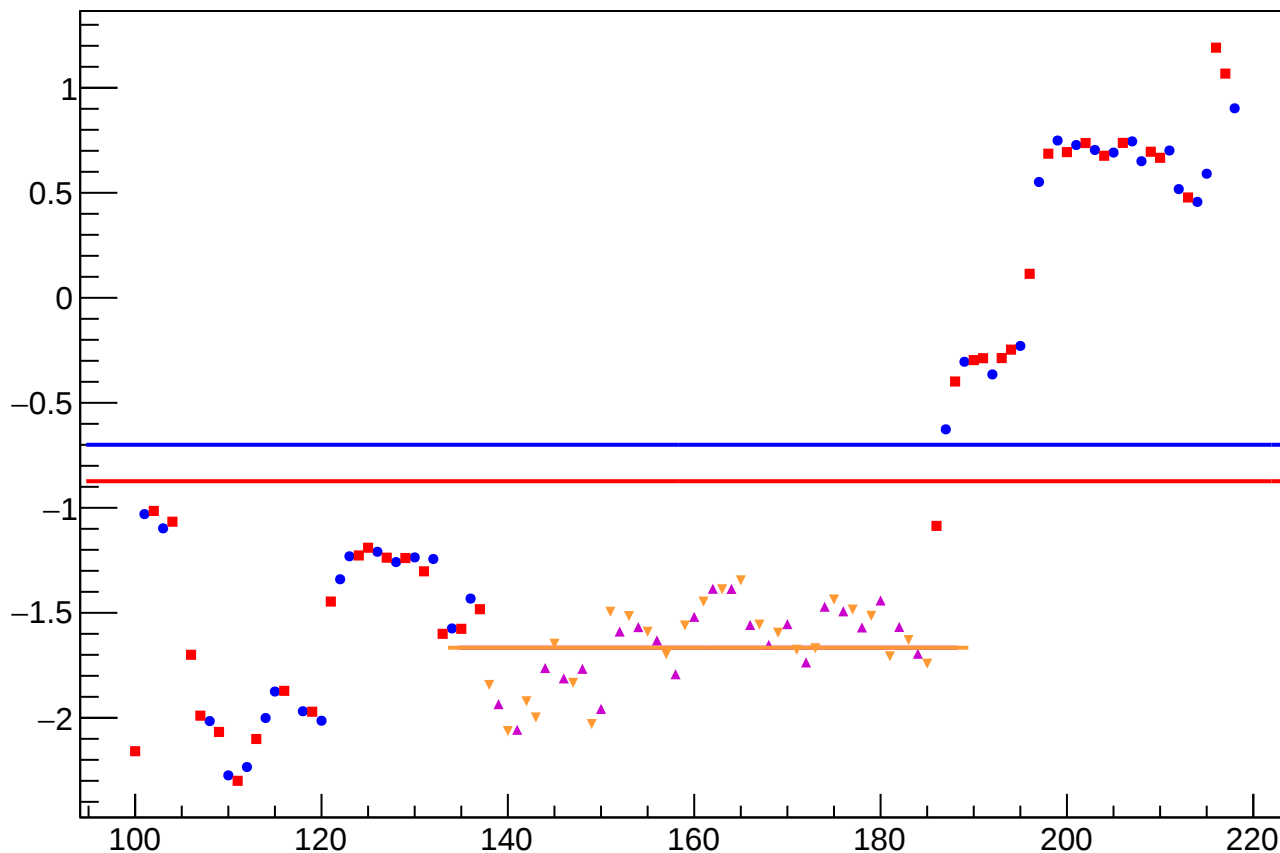
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 10535010.2/57

All: 0.003+/-0.000 χ^2/NDF : 20838914.2/116

- sign 0.003+/-0.000 χ^2/NDF : 10300590.6/58

yield_bpm0l01X_mean vs Slug



Right In: -0.700 ± 0.000 $\chi^2/\text{NDF}: 253734039205.2/32$

Left Out: -1.666 ± 0.000 $\chi^2/\text{NDF}: 18325162131.2/24$

Right Out: -0.873 ± 0.000 $\chi^2/\text{NDF}: 289701508303.3/35$

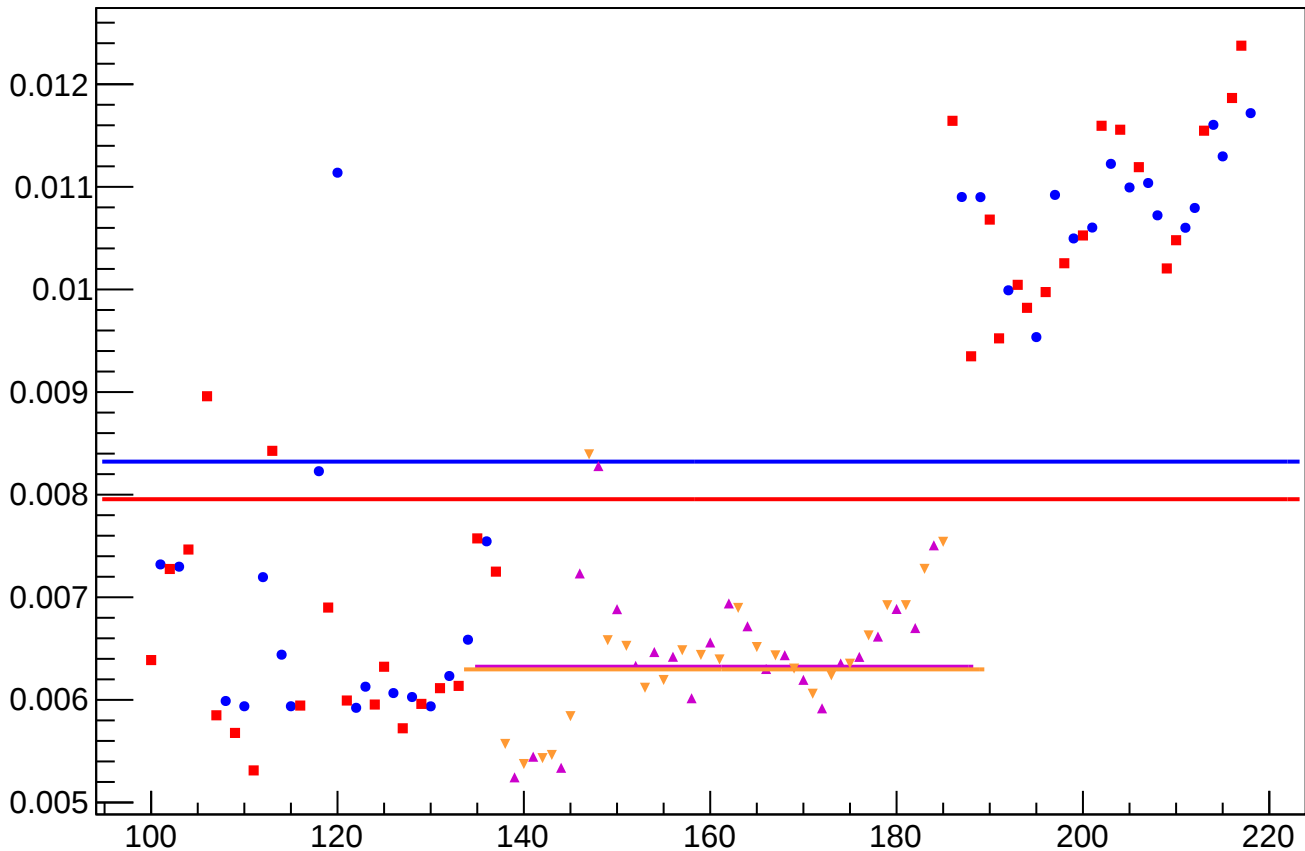
Left In: -1.666 ± 0.000 $\chi^2/\text{NDF}: 14292570816.9/22$

+ sign -1.330 ± 0.000 $\chi^2/\text{NDF}: 415153441241.3/57$

All: -1.343 ± 0.000 $\chi^2/\text{NDF}: 820189246188.5$

- sign -1.356 ± 0.000 $\chi^2/\text{NDF}: 404812076686.4/58$

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2231343.0/32

Left Out: 0.006+/-0.000 χ^2/NDF :310757.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2598307.3/35

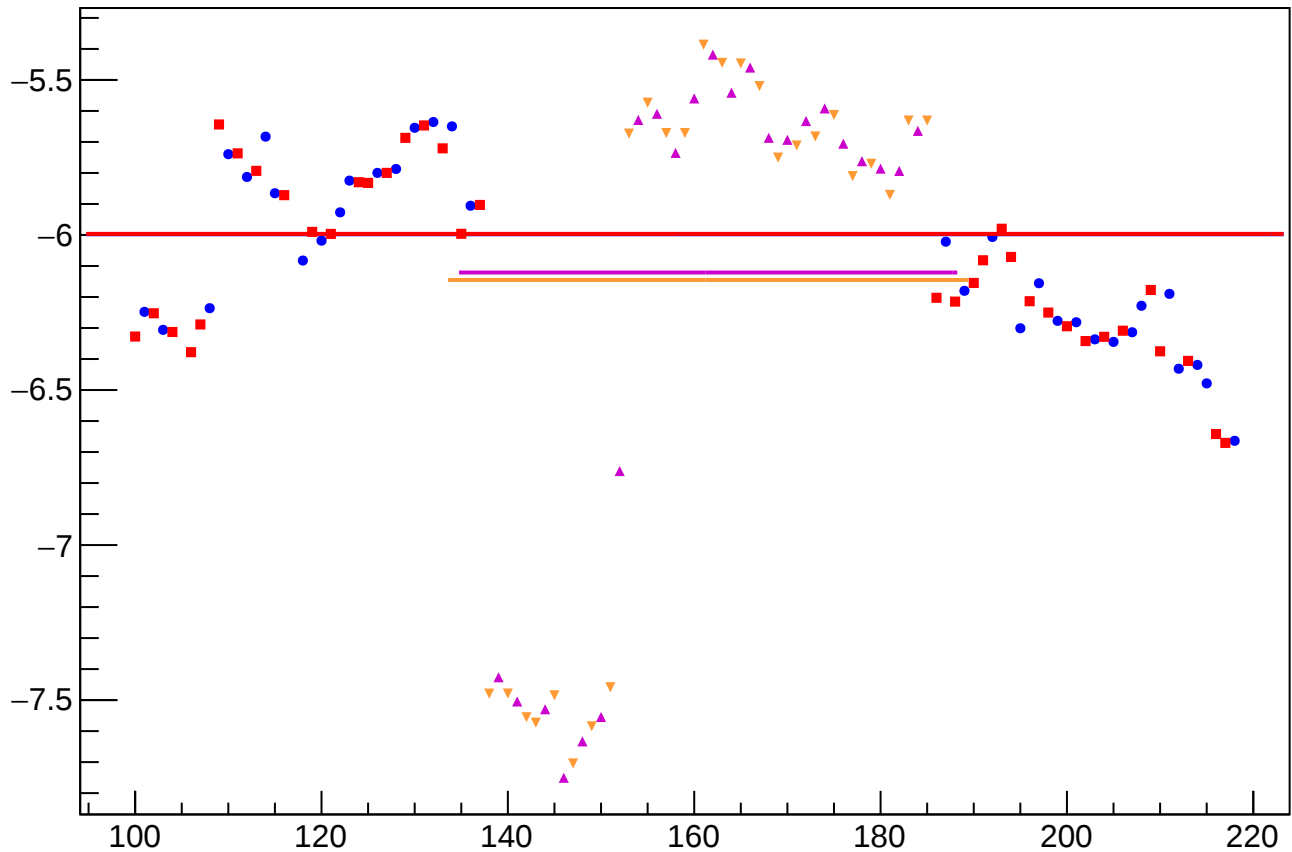
Left In: 0.006+/-0.000 χ^2/NDF :330859.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 3798620.9/57

All: 0.007+/-0.000 χ^2/NDF : 7583943.7/116

- sign 0.007+/-0.000 χ^2/NDF : 3784284.9/58

yield_bpm0l01Y_mean vs Slug



Right In: -5.998+/-0.000 χ^2 /NDF: 19270675155.2/32

Left Out: -6.145+/-0.000 χ^2 /NDF: 185364150237.7/24

Right Out: -5.996+/-0.000 χ^2 /NDF: 20705797678.9/35

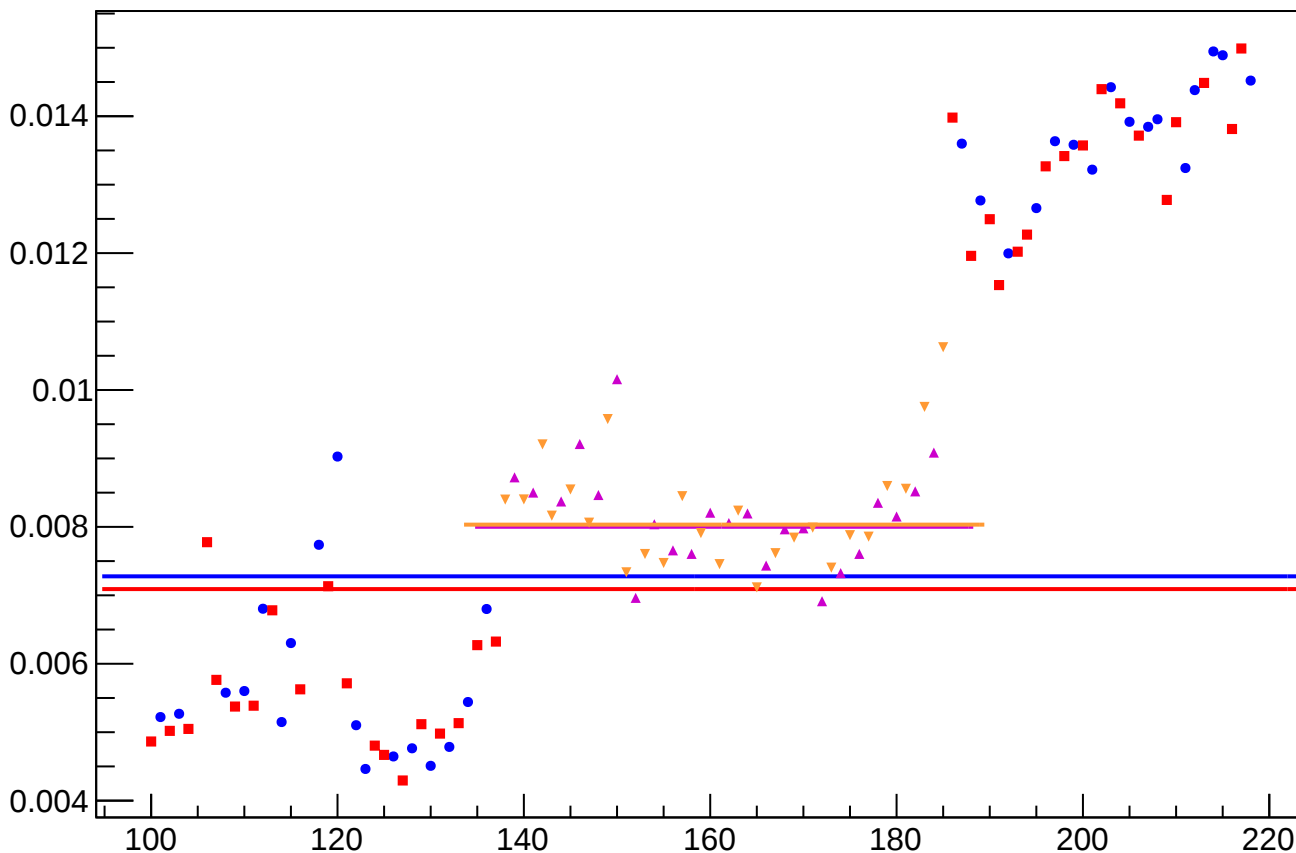
Left In: -6.121+/-0.000 χ^2 /NDF: 158315913062.3/22

+ sign -6.071+/-0.000 χ^2 /NDF: 207456328008.1/57

All: -6.062+/-0.000 χ^2 /NDF: 388605447864.1

- sign -6.054+/-0.000 χ^2 /NDF: 181076851448.0/58

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 6687367.8/32

Left Out: 0.008+/-0.000 χ^2/NDF :205762.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 6538659.7/35

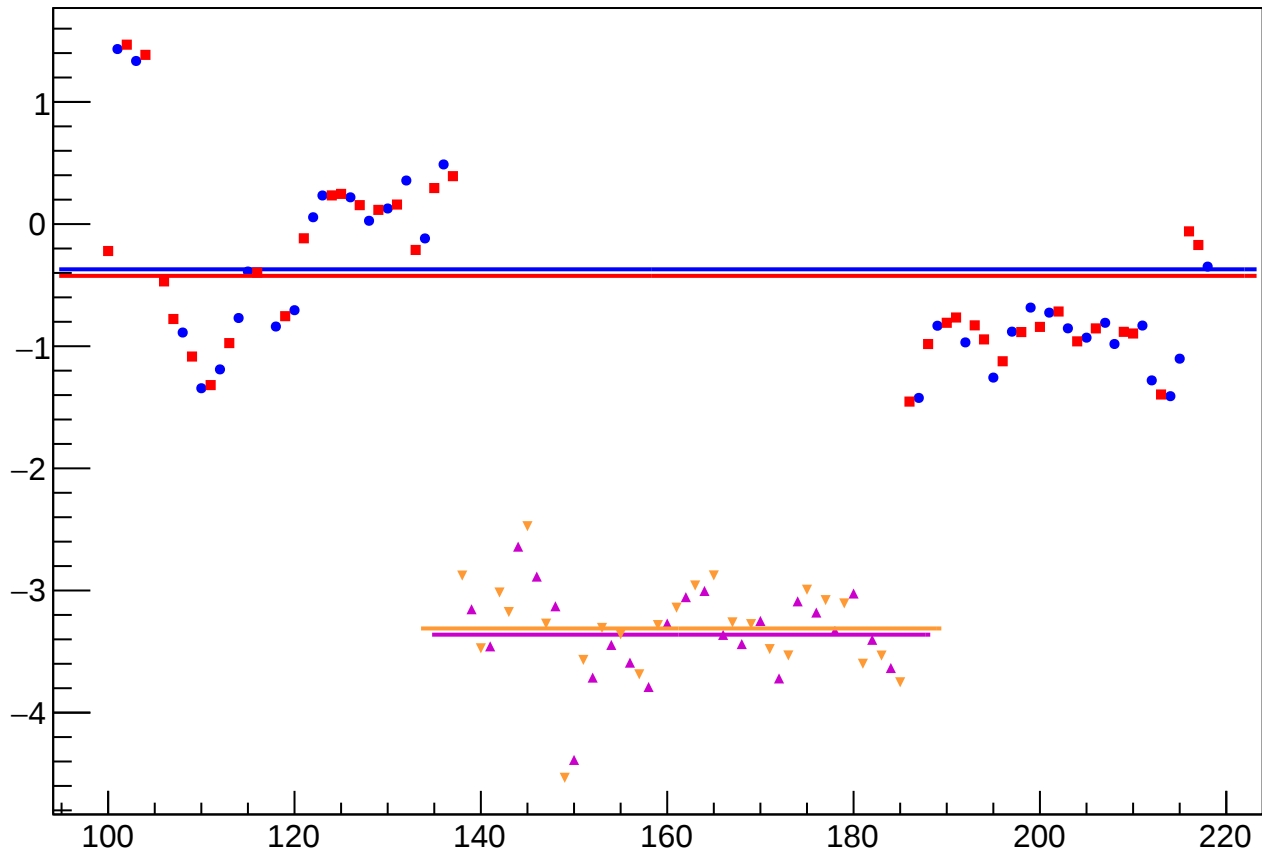
Left In: 0.008+/-0.000 χ^2/NDF :220756.1/22

+ sign 0.008+/-0.000 χ^2/NDF : 7041121.6/57

All: 0.008+/-0.000 χ^2/NDF : 14030249.0/116

- sign 0.008+/-0.000 χ^2/NDF : 6978959.4/58

yield_bpm0l02X_mean vs Slug



Right In: -0.370+/-0.000 χ^2/NDF : 36477846597.5/32

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.424+/-0.000 χ^2/NDF : 35174115599.5/35

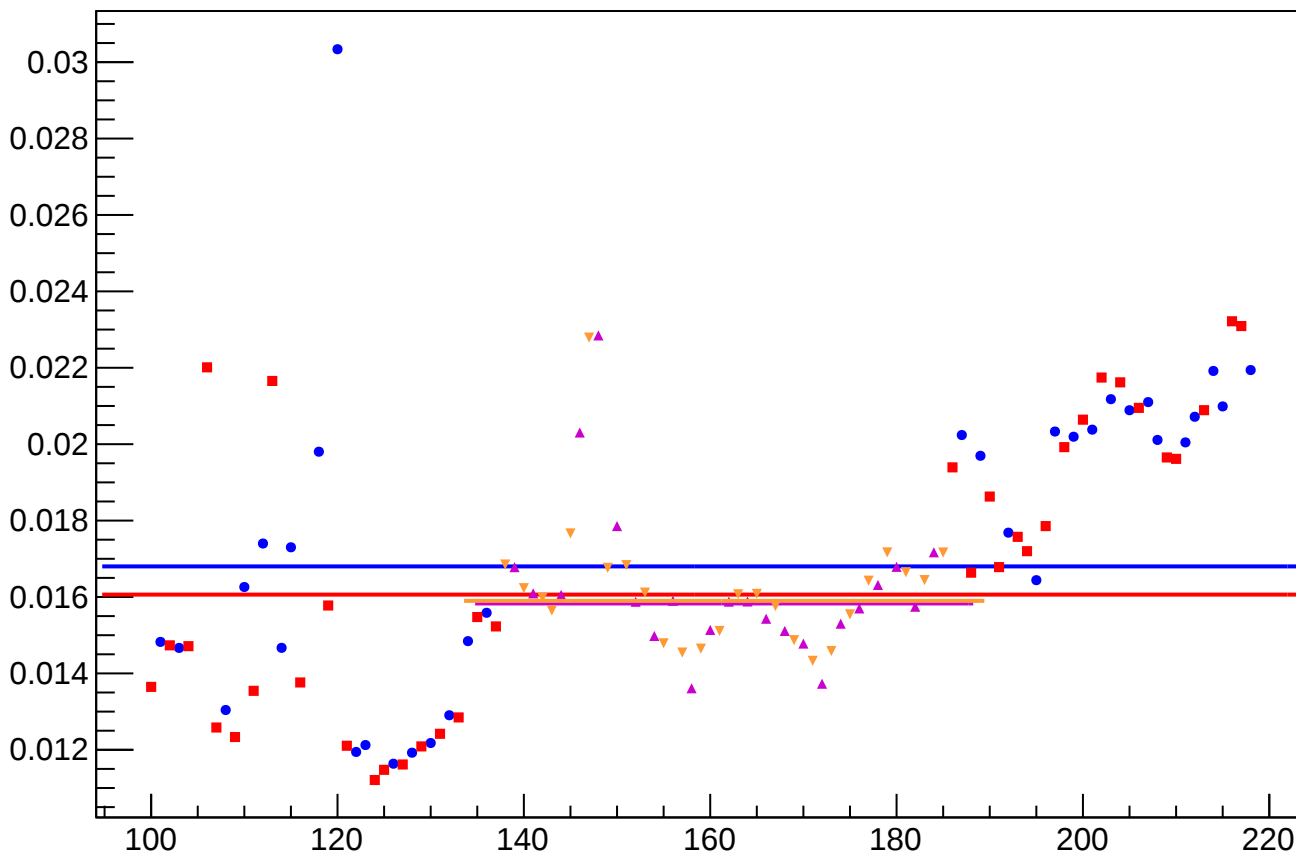
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -1.969+/-0.000 χ^2/NDF : 321792693760.6/57

All: -1.930+/-0.000 χ^2/NDF : 651640958828.7

- sign -1.892+/-0.000 χ^2/NDF : 329458781881.5/58

yield_bpm0l02X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 1631492.0/32

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.016+/-0.000 χ^2/NDF : 1758446.7/35

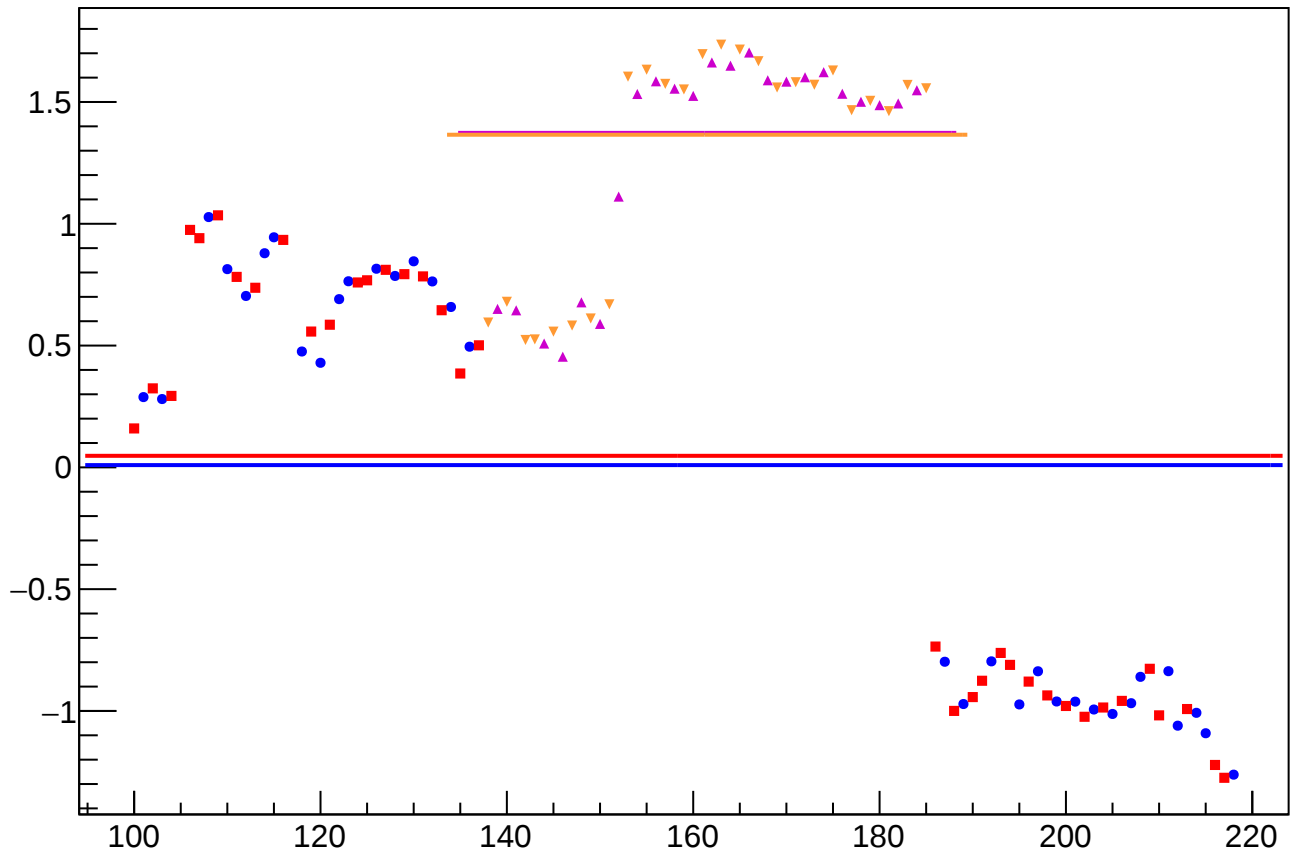
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 1935386.5/57

All: 0.016+/-0.000 χ^2/NDF : 4054194.3/116

- sign 0.016+/-0.000 χ^2/NDF : 2101556.9/58

yield_bpm0l02Y_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 97181845604.4/32

Left Out: 1.366 $\pm$ 0.000 χ^2 /NDF: 74741956067.9/24

Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 106042963231.3/35

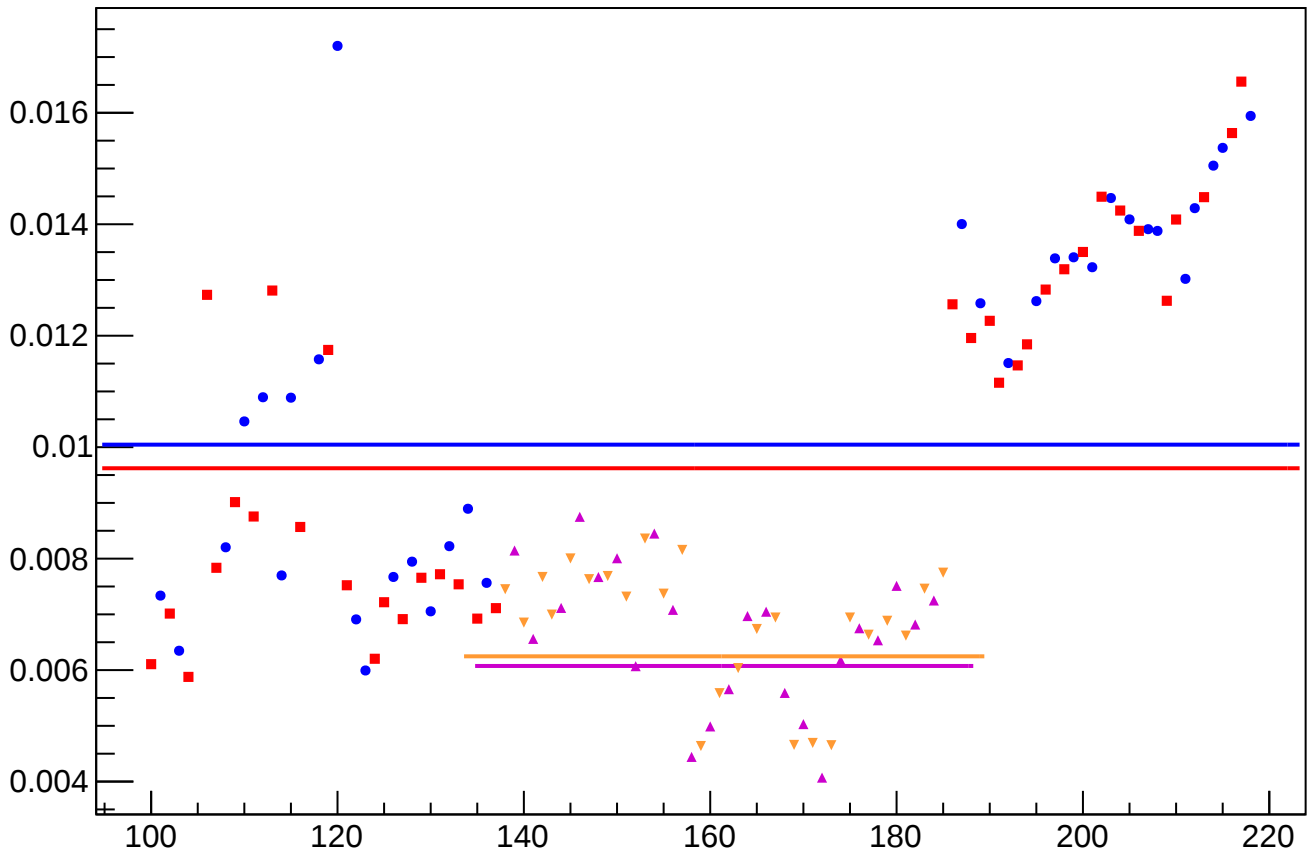
Left In: 1.373 $\pm$ 0.000 χ^2 /NDF: 63413151416.3/22

+ sign 1.004 $\pm$ 0.000 χ^2 /NDF: 380805819054.2/57

All: 0.998 $\pm$ 0.000 χ^2 /NDF: 766163832067.2

- sign 0.992 $\pm$ 0.000 χ^2 /NDF: 385316755000.7/58

yield_bpm0l02Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 3076265.2/32

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 3210924.3/35

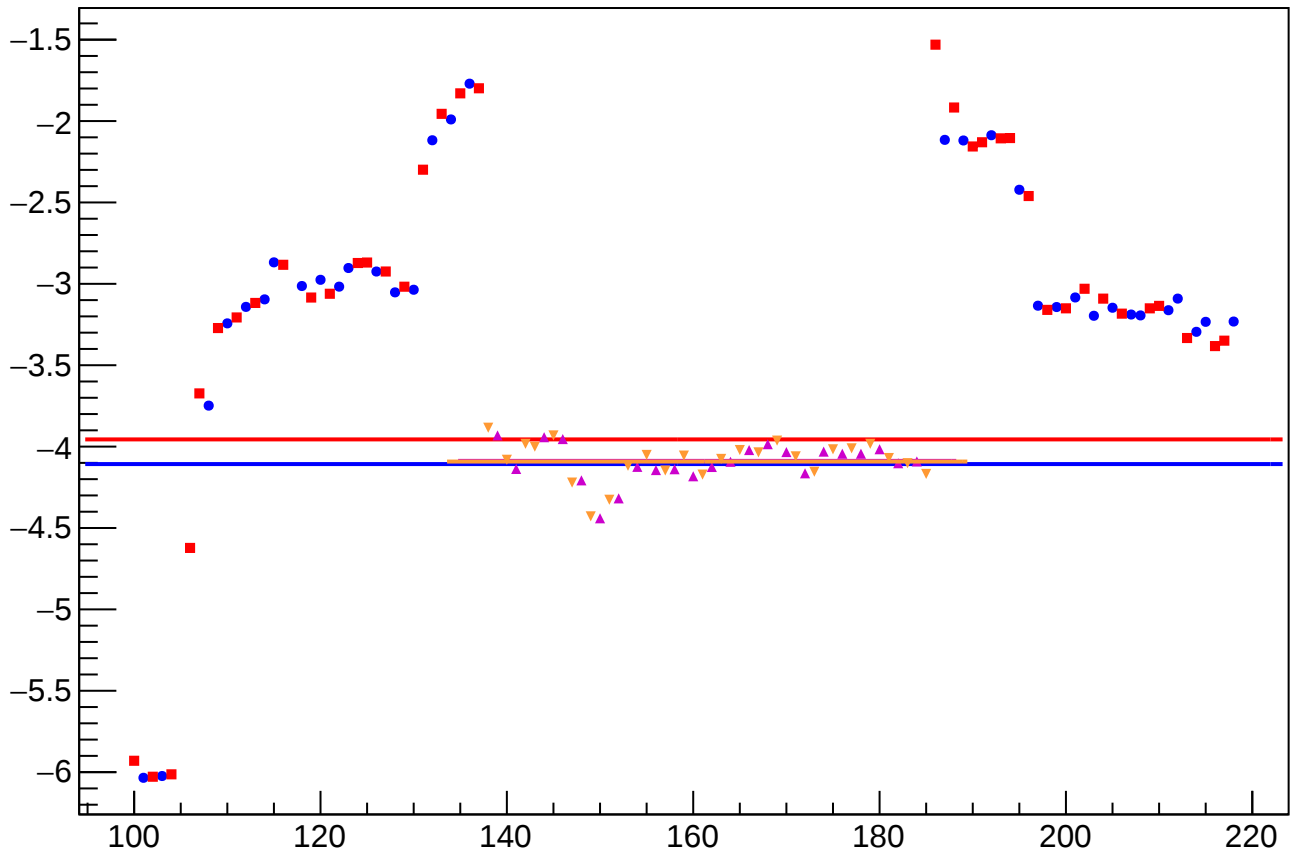
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 7683382.8/57

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 15433966.7/116

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 7734332.9/58

yield_bpm0l03X_mean vs Slug



Right In: -4.107+/-0.000 χ^2/NDF : 287843463208.8/32

Left Out: -4.092+/-0.000 χ^2/NDF : 39806766.7/24

Right Out: -3.956+/-0.000 χ^2/NDF : 277706931119.2/35

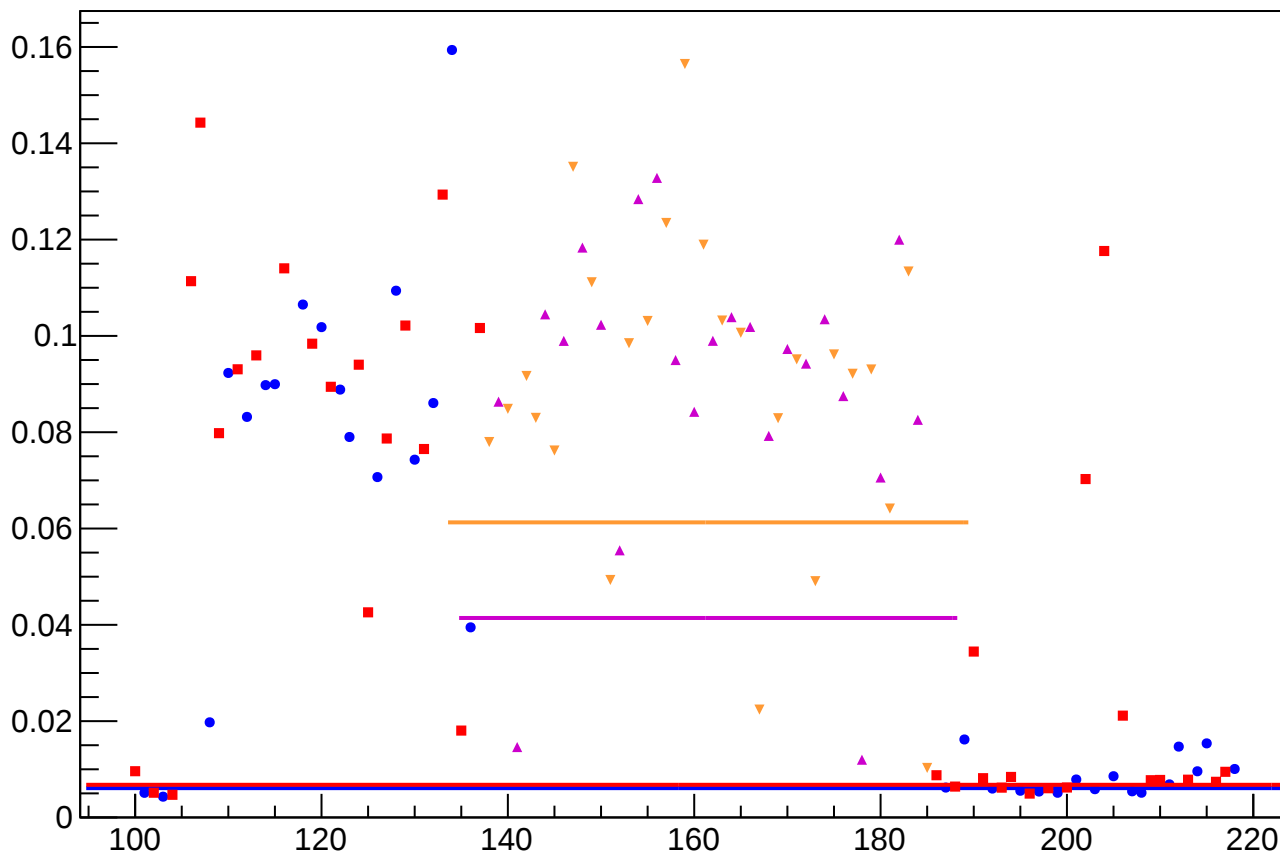
Left In: -4.088+/-0.000 χ^2/NDF : 34412880.7/22

+ sign -4.107+/-0.000 χ^2/NDF : 287883963267.4/57

All: -4.043+/-0.000 χ^2/NDF : 566862494529.7

- sign -3.961+/-0.000 χ^2/NDF : 277812385179.1/58

yield_bpm0l03X_rms vs Slug



Right In: 0.006 +/- 0.000 χ^2/NDF : 8426105.9/32

Left Out: 0.061 +/- 0.000 χ^2/NDF : 8355266.0/24

Right Out: 0.007 +/- 0.000 χ^2/NDF : 10410402.0/35

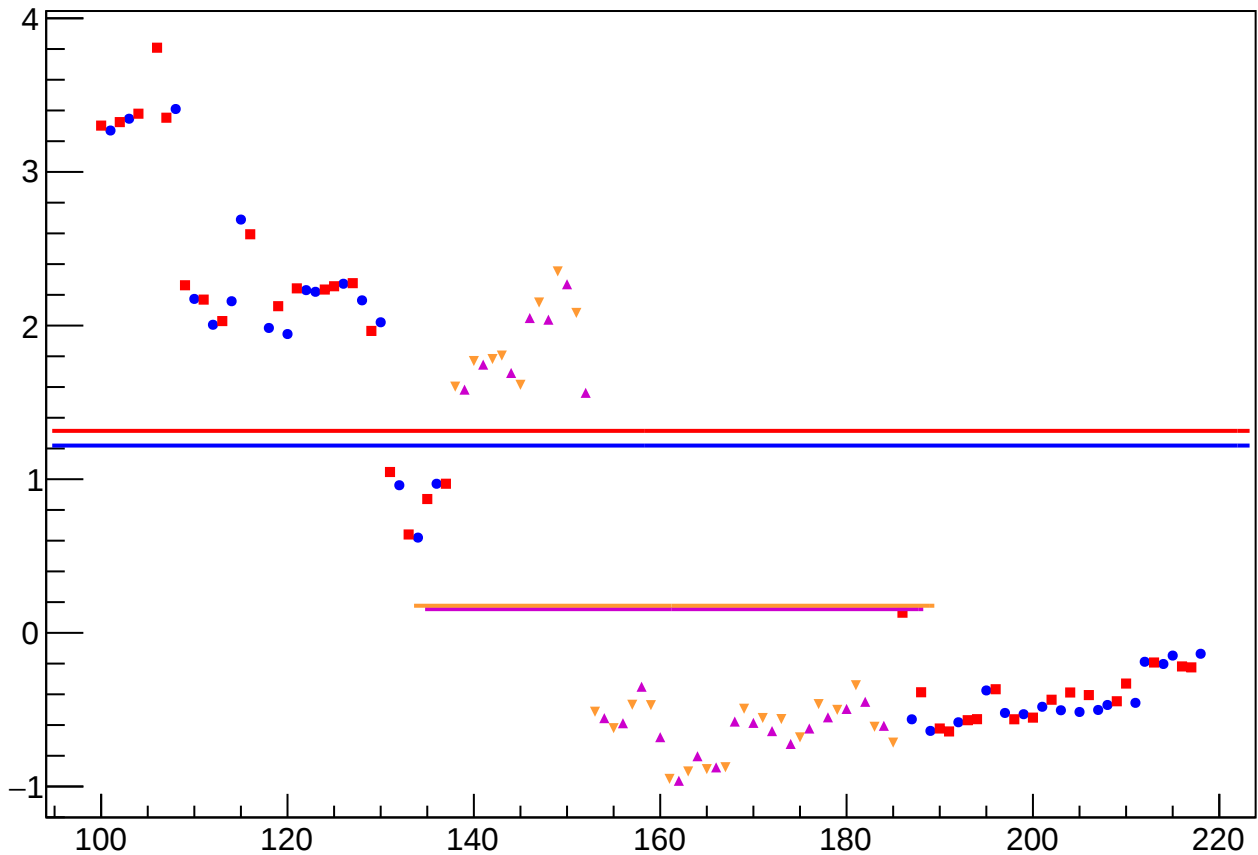
Left In: 0.041 +/- 0.000 χ^2/NDF : 13124468.7/22

+ sign 0.007 +/- 0.000 χ^2/NDF : 34343208.8/57

All: 0.008 +/- 0.000 χ^2/NDF : 67758103.1/116

- sign 0.008 +/- 0.000 χ^2/NDF : 33328321.8/58

yield_bpm0l03Y_mean vs Slug



Right In: 1.219 $\pm$ 0.000 χ^2 /NDF: 222348960406.5/32

Left Out: 0.177 $\pm$ 0.000 χ^2 /NDF:3275313367.7/24

+ sign 1.183 $\pm$ 0.000 χ^2 /NDF: 228003097448.5/57

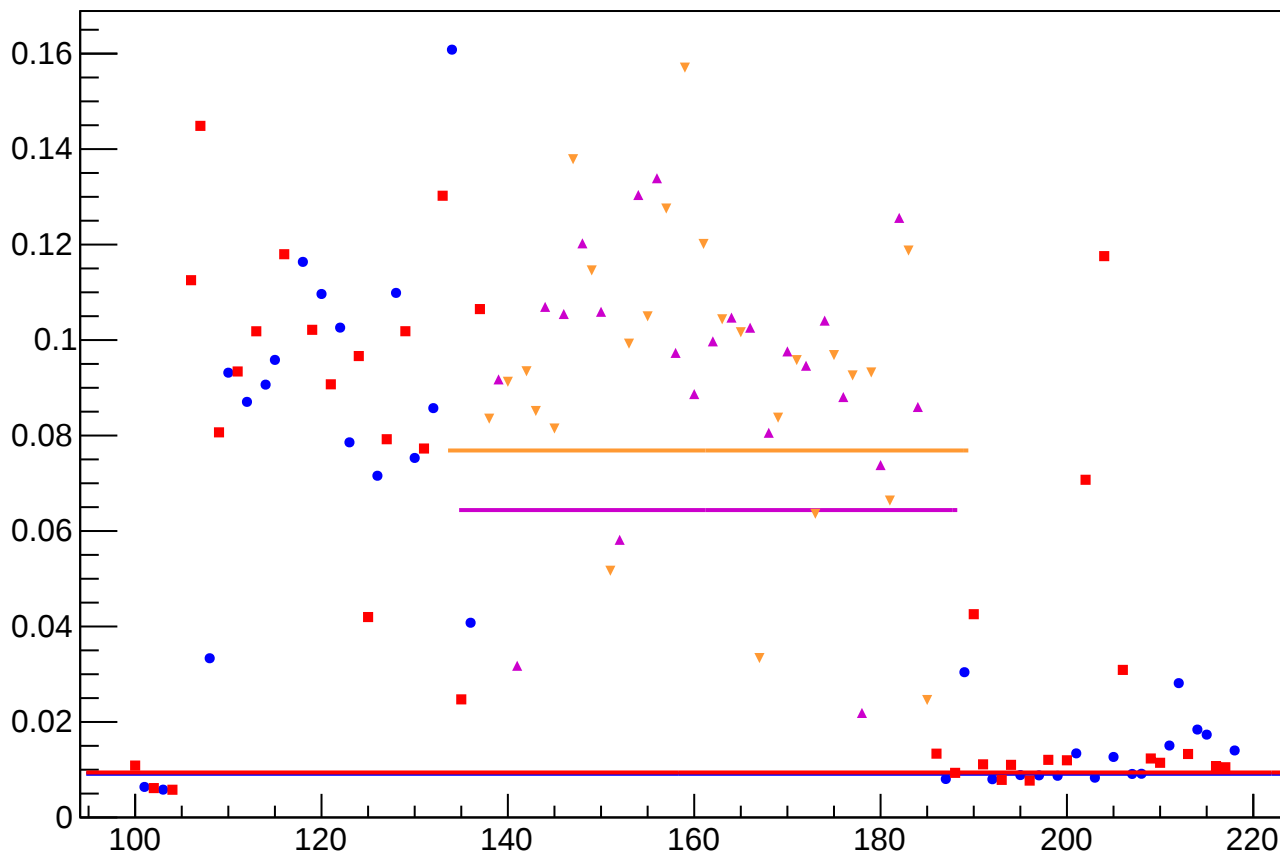
Right Out: 1.315 $\pm$ 0.000 χ^2 /NDF: 196944565873.0/35

All: 1.222 $\pm$ 0.000 χ^2 /NDF: 431640826085.1

Left In: 0.154 $\pm$ 0.000 χ^2 /NDF:3163553595.0/22

- sign 1.264 $\pm$ 0.000 χ^2 /NDF: 203430817669.6/58

yield_bpm0l03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 8639260.3/32

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:4217954.3/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 10396735.7/35

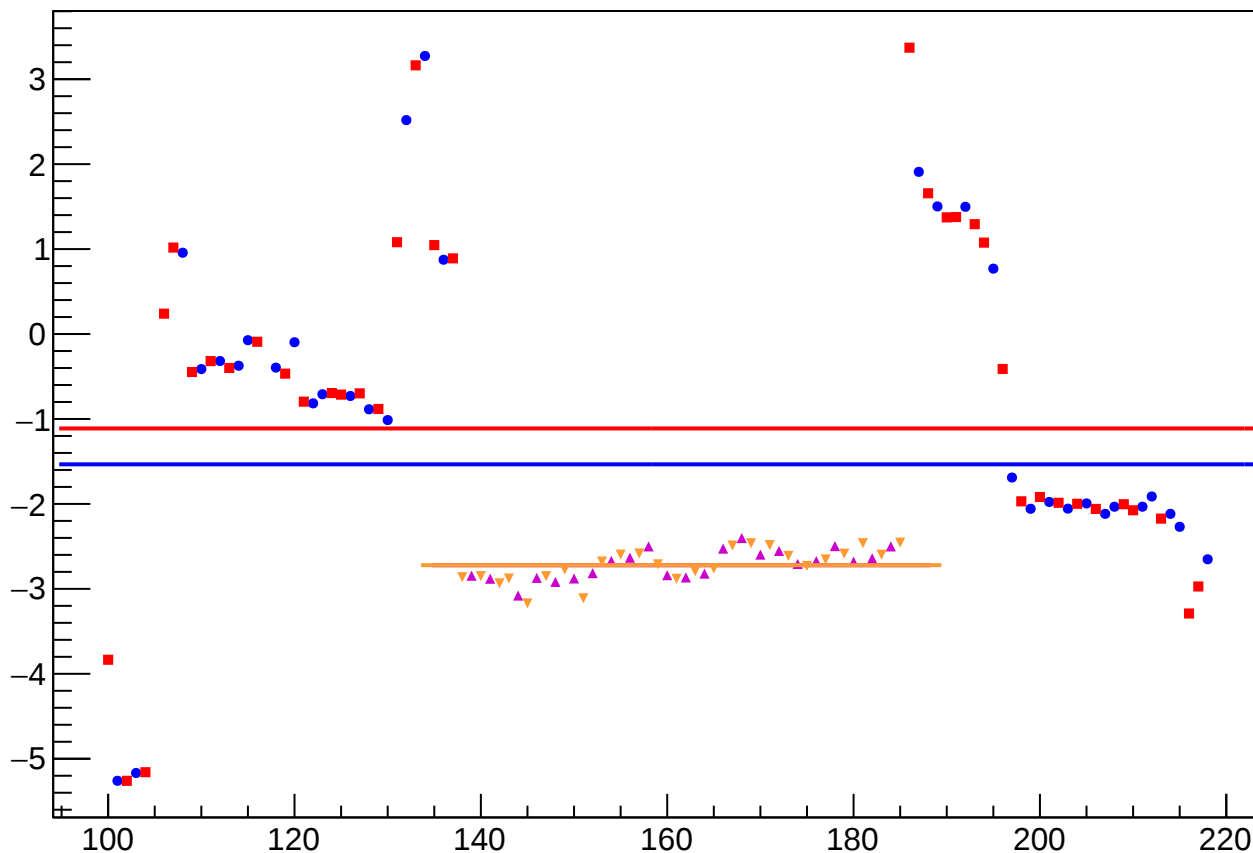
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 32937495.2/57

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 65241867.6/116

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32297847.3/58

yield_bpm0l04X_mean vs Slug



Right In: -1.534+/-0.000 χ^2/NDF : 209981828984.2/32

Left Out: -2.721+/-0.000 χ^2/NDF : 10397156971.6/24

Right Out: -1.112+/-0.000 χ^2/NDF : 250416685415.8/35

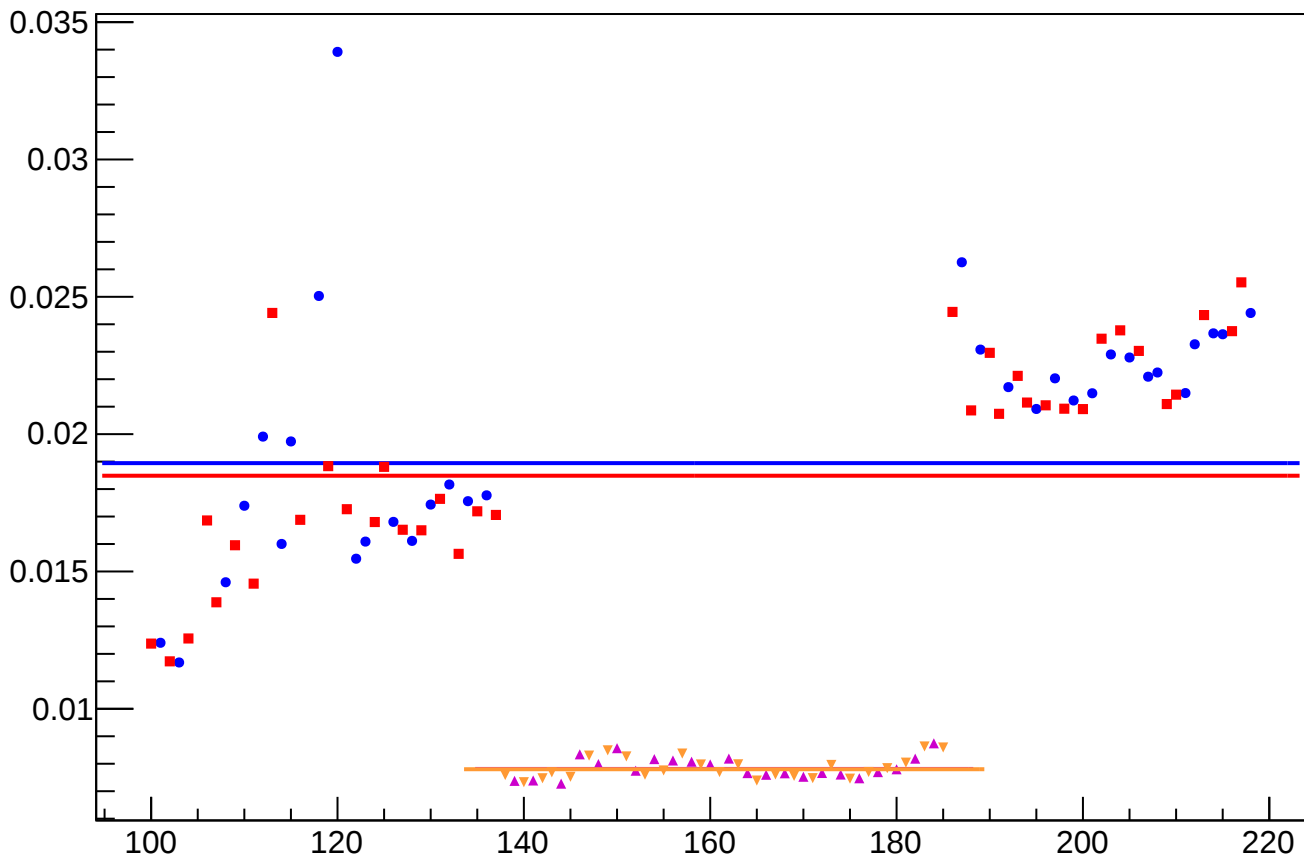
Left In: -2.722+/-0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.562+/-0.000 χ^2/NDF : 275469843264.0/57

All: -2.520+/-0.000 χ^2/NDF : 643004662600.5

- sign -2.477+/-0.000 χ^2/NDF : 366361913622.1/58

yield_bpm0l04X_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1648768.5/32

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 71164.4/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 1578928.1/35

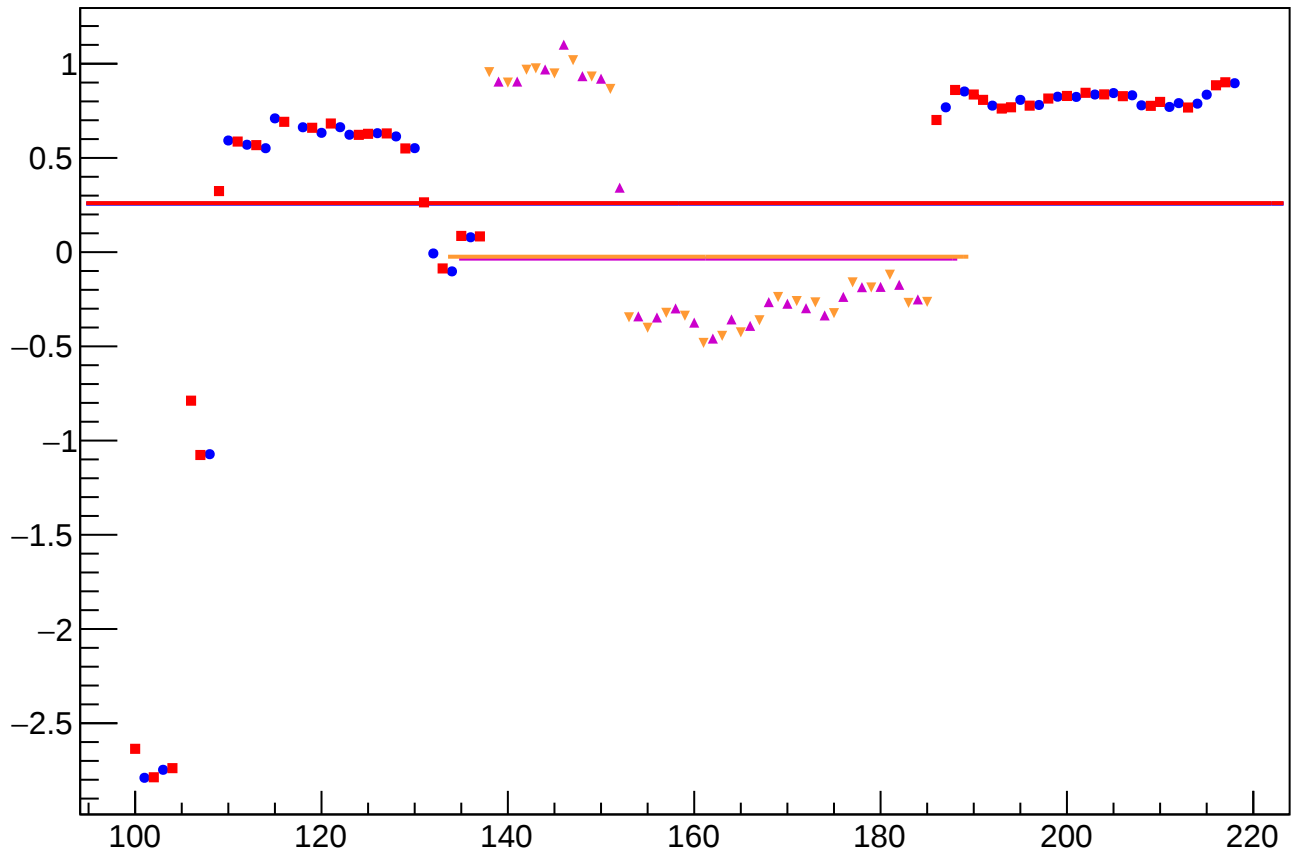
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 11426209.3/57

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 22554973.6/116

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 11122761.0/58

yield_bpm0l04Y_mean vs Slug



Right In: 0.257+/-0.000 χ^2/NDF : 908613330150.8/32

Left Out: -0.024+/-0.000 χ^2/NDF : 135451649275.0/24

Right Out: 0.260+/-0.000 χ^2/NDF : 964023607985.7/35

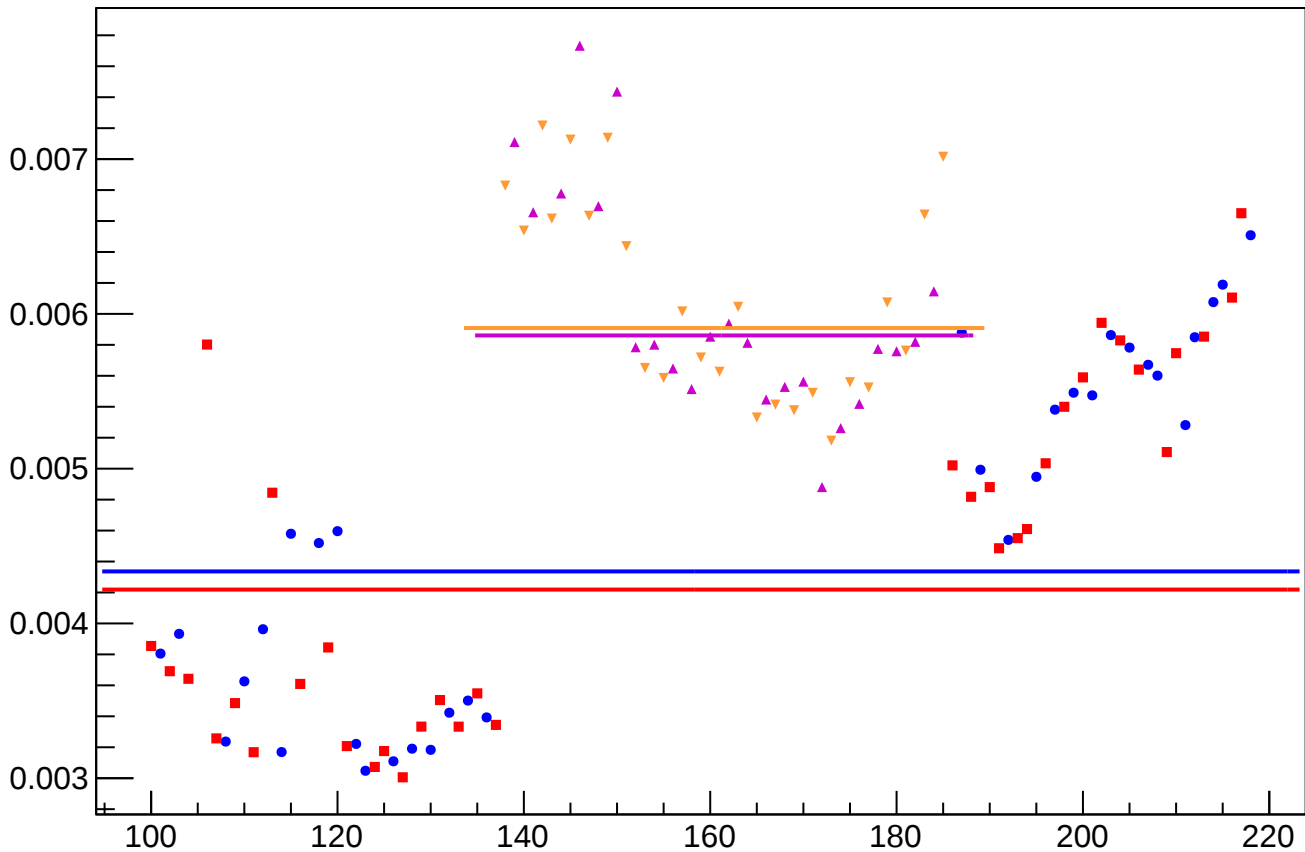
Left In: -0.034+/-0.000 χ^2/NDF : 113929060918.1/22

+ sign 0.157+/-0.000 χ^2/NDF : 1068736369315.1/57

All: 0.160+/-0.000 χ^2/NDF : 2173854563486.0

- sign 0.163+/-0.000 χ^2/NDF : 1105092057328.6/58

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2032940.6/32

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2012205.4/35

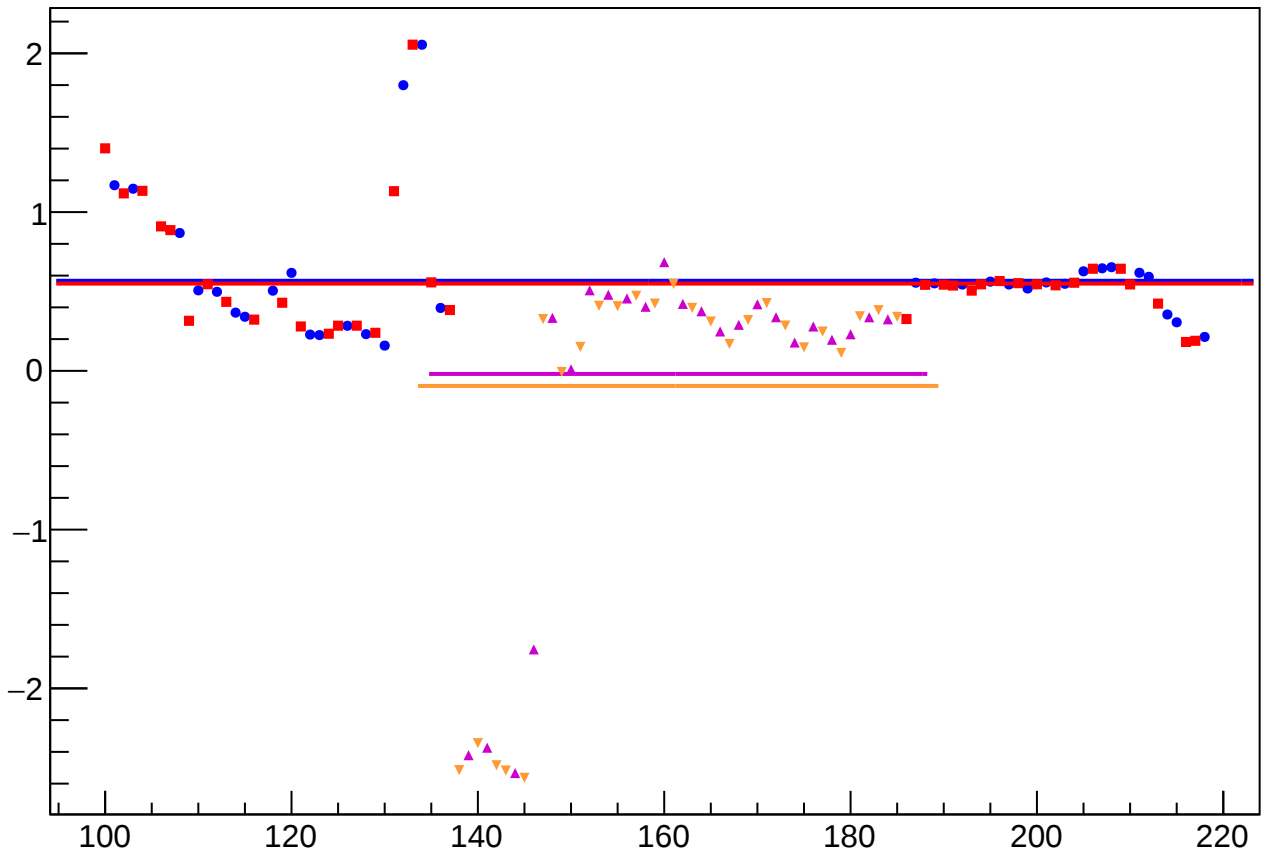
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3887470.0/57

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 7976542.4/116

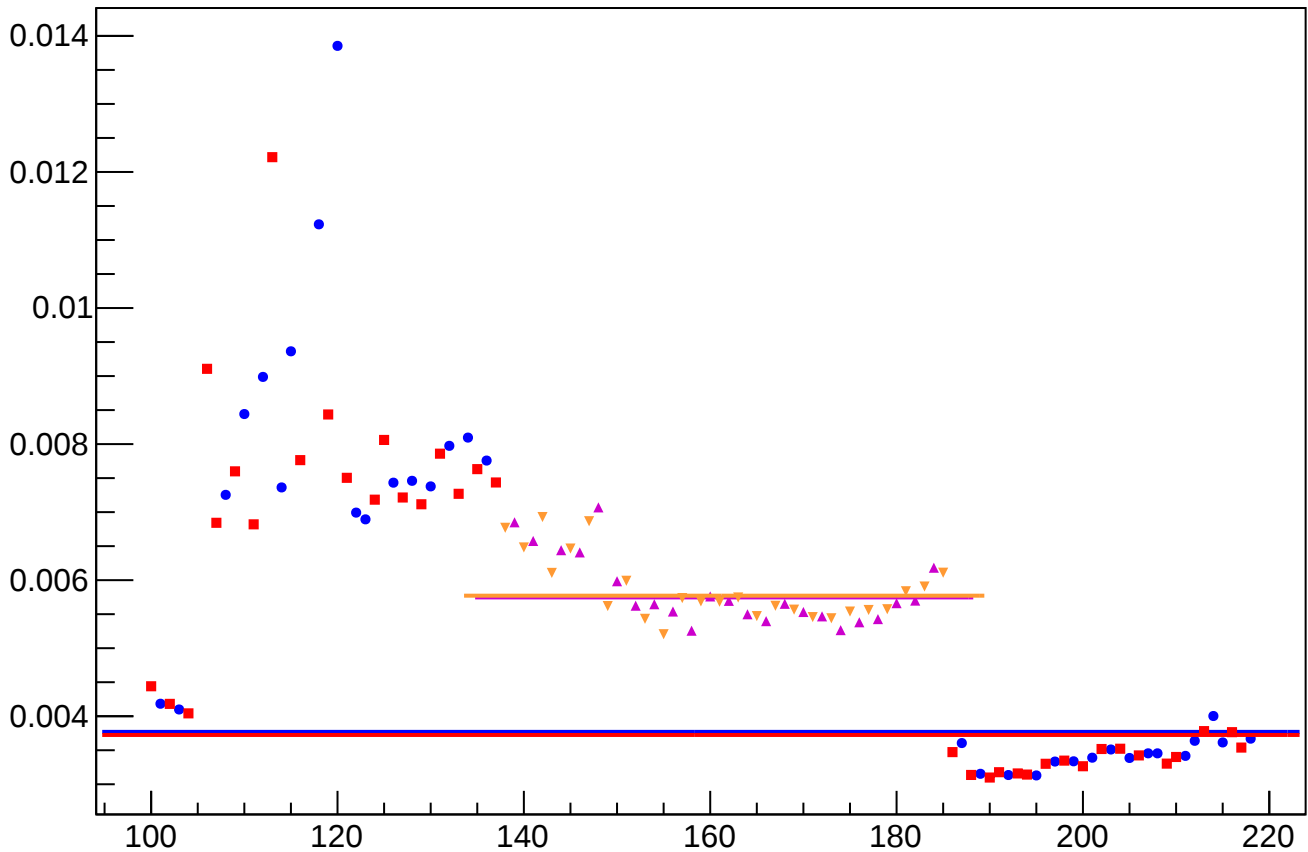
- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4063265.1/58

yield_bpm0l05X_mean vs Slug



Right In: 0.567 $\pm$ 0.000	χ^2 /NDF: 55590145575.9/32	+ sign 0.354 $\pm$ 0.000	χ^2 /NDF: 714498906372.6/57
Left Out: -0.095 $\pm$ 0.000	χ^2 /NDF: 505606573631.9/24	All: 0.367 $\pm$ 0.000	χ^2 /NDF: 1307364378027.6/58
Right Out: 0.550 $\pm$ 0.000	χ^2 /NDF: 63303148813.2/35	- sign 0.379 $\pm$ 0.000	χ^2 /NDF: 592351826298.9/58
Left In: -0.019 $\pm$ 0.000	χ^2 /NDF: 417104863944.5/22		

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 3153988.8/32

Left Out: 0.006+/-0.000 χ^2/NDF : 177680.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 3198183.1/35

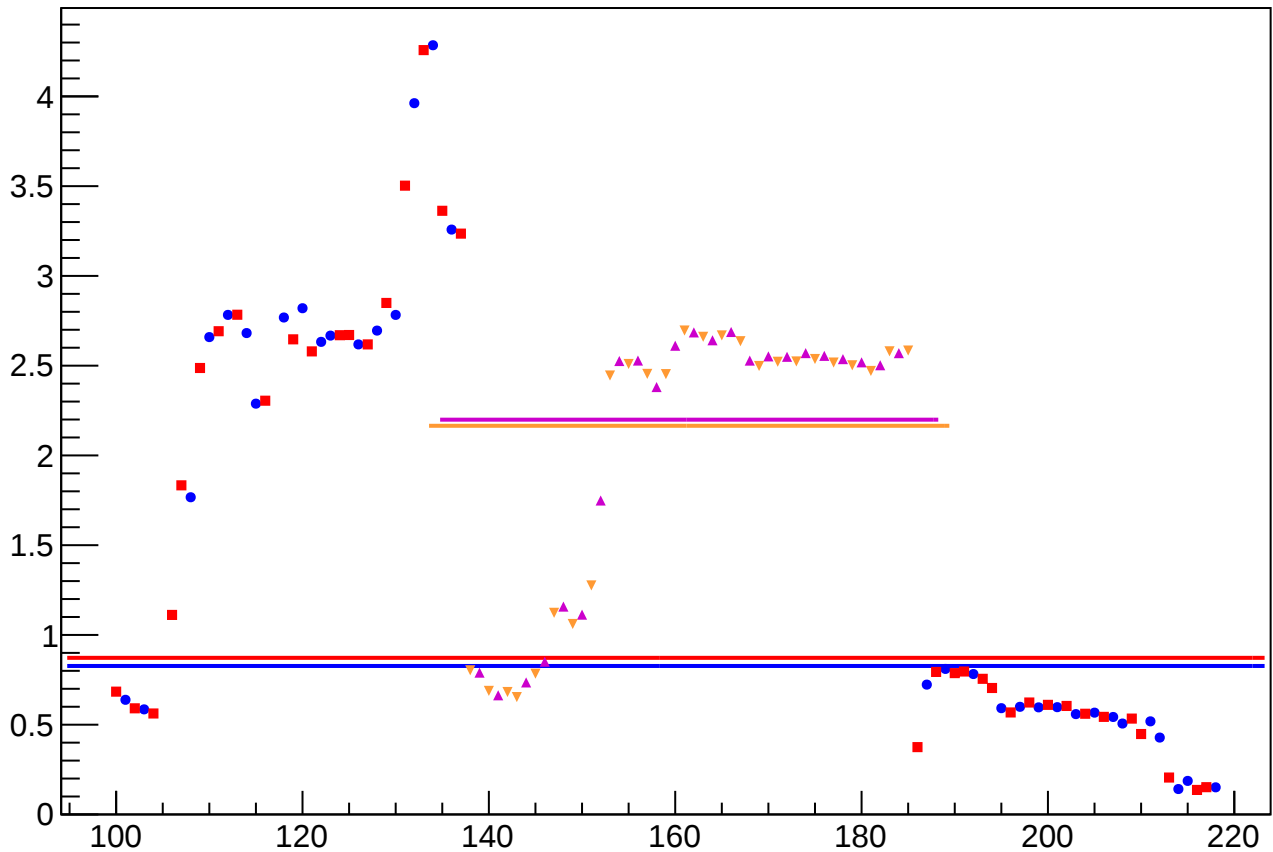
Left In: 0.006+/-0.000 χ^2/NDF : 204066.4/22

+ sign 0.004+/-0.000 χ^2/NDF : 6132608.5/57

All: 0.004+/-0.000 χ^2/NDF : 12372524.3/116

- sign 0.004+/-0.000 χ^2/NDF : 6228344.0/58

yield_bpm0l05Y_mean vs Slug



Right In: 0.827+/-0.000 χ^2/NDF : 338245761990.0/32

Left Out: 2.165+/-0.000 χ^2/NDF : 292800056899.6/24

Right Out: 0.872+/-0.000 χ^2/NDF : 386911749030.9/35

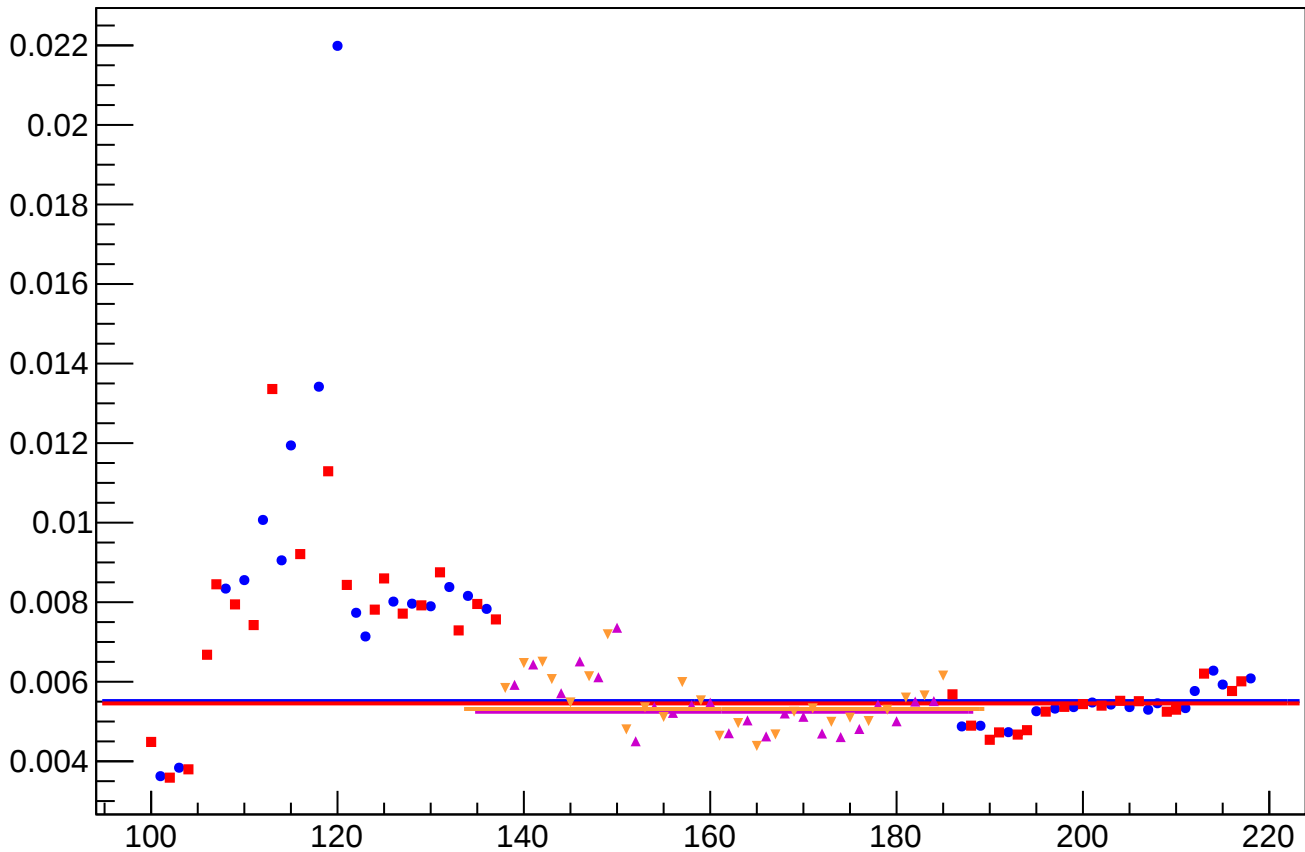
Left In: 2.199+/-0.000 χ^2/NDF : 253166239065.4/22

+ sign 1.535+/-0.000 χ^2/NDF : 1126511145780.3/57

All: 1.540+/-0.000 χ^2/NDF : 2262939522274.

- sign 1.546+/-0.000 χ^2/NDF : 1136360681344.7/58

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2059872.7/32

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1921837.8/35

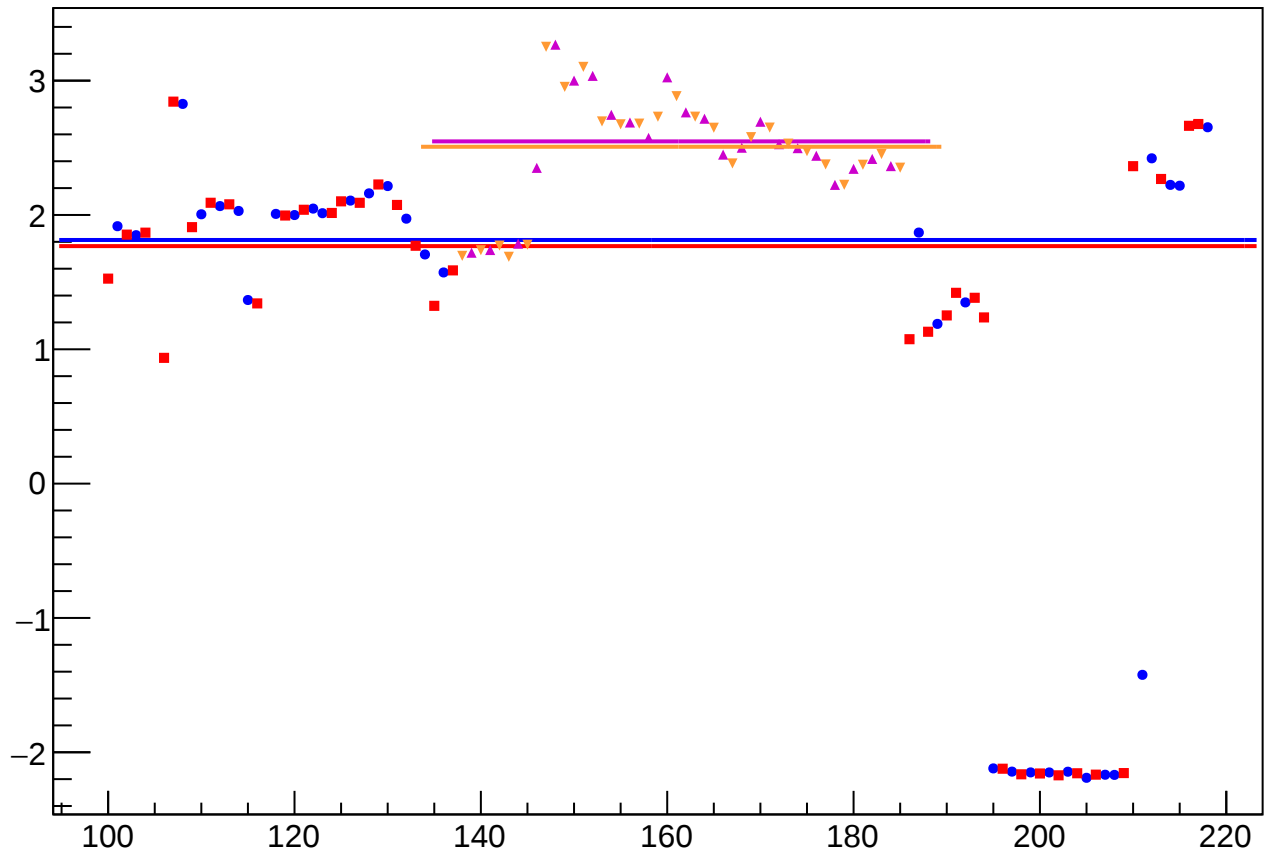
Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2480608.3/57

All: 0.005+/-0.000 χ^2/NDF : 4857144.5/116

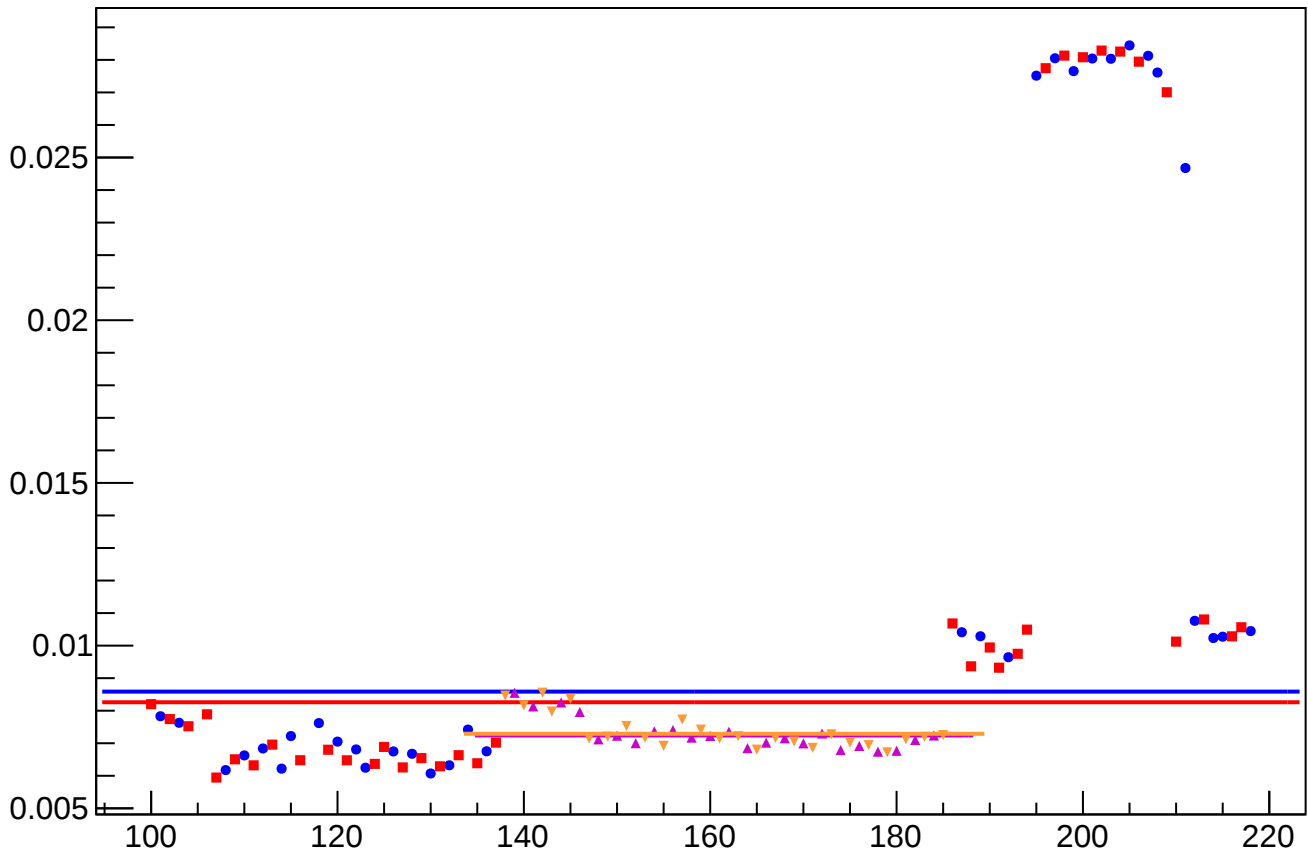
- sign 0.005+/-0.000 χ^2/NDF : 2372470.9/58

yield_bpm0l06X_mean vs Slug



Right In: 1.814 $\pm$ 0.000	χ^2 /NDF: 168380596340.6/32	+ sign 2.256 $\pm$ 0.000	χ^2 /NDF: 278134173672.6/57
Left Out: 2.508 $\pm$ 0.000	χ^2 /NDF: 52355332406.0/24	All: 2.243 $\pm$ 0.000	χ^2 /NDF: 556507231878.1
Right Out: 1.768 $\pm$ 0.000	χ^2 /NDF: 154672016722.6/35	- sign 2.231 $\pm$ 0.000	χ^2 /NDF: 278213064048.9/58
Left In: 2.548 $\pm$ 0.000	χ^2 /NDF: 45350336058.7/22		

yield_bpm0l06X_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 7723463.4/32

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:140788.4/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 6525029.8/35

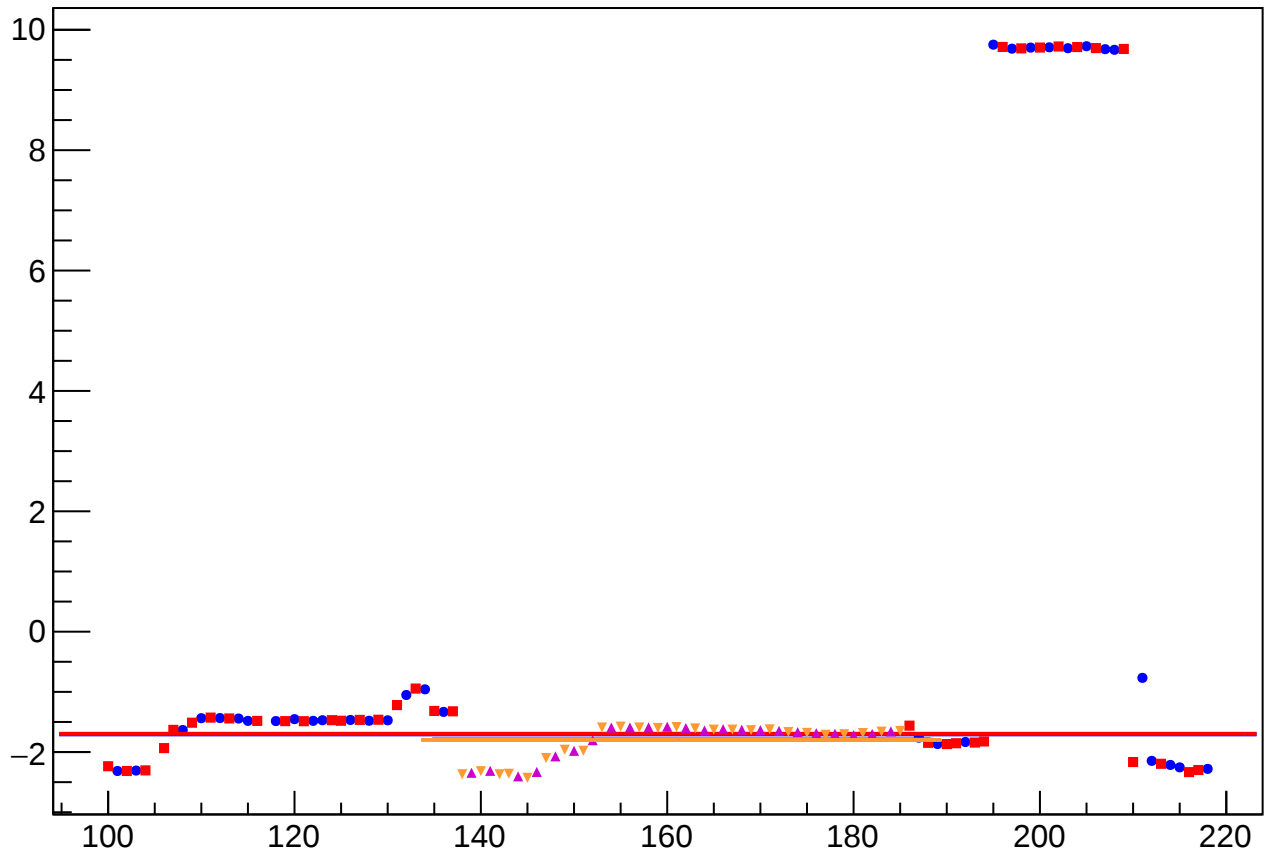
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:125233.2/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 8264056.3/57

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 15189153.1/116

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6918915.3/58

yield_bpm0l06Y_mean vs Slug



Right In: -1.706+/-0.000 χ^2/NDF : 418041813767.4/32

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.697+/-0.000 χ^2/NDF : 397231768255.9/35

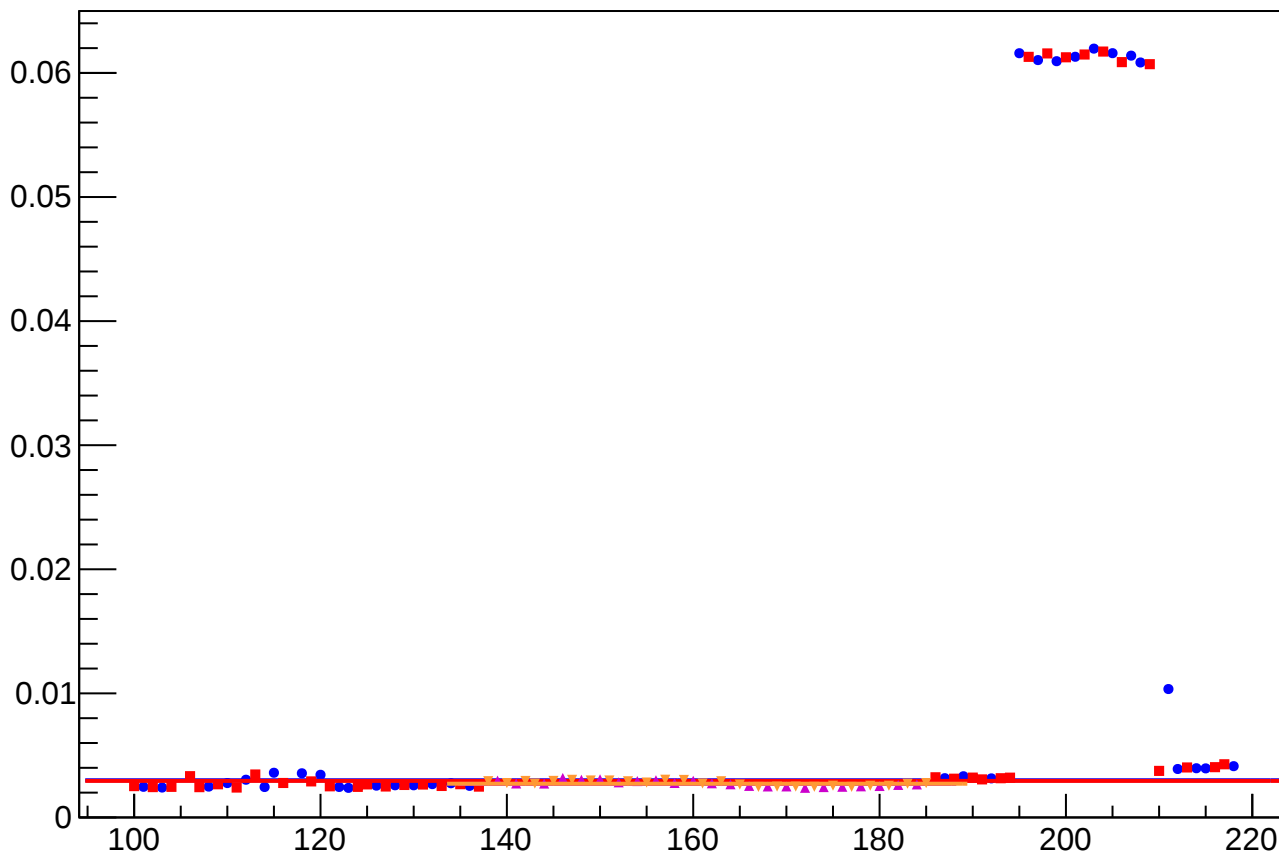
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.767+/-0.000 χ^2/NDF : 610433257991.6/57

All: -1.760+/-0.000 χ^2/NDF : 1175386210874

- sign -1.754+/-0.000 χ^2/NDF : 564625637790.4/58

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 12183761.6/32

Left Out: 0.003+/-0.000 χ^2/NDF : 199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 10375030.5/35

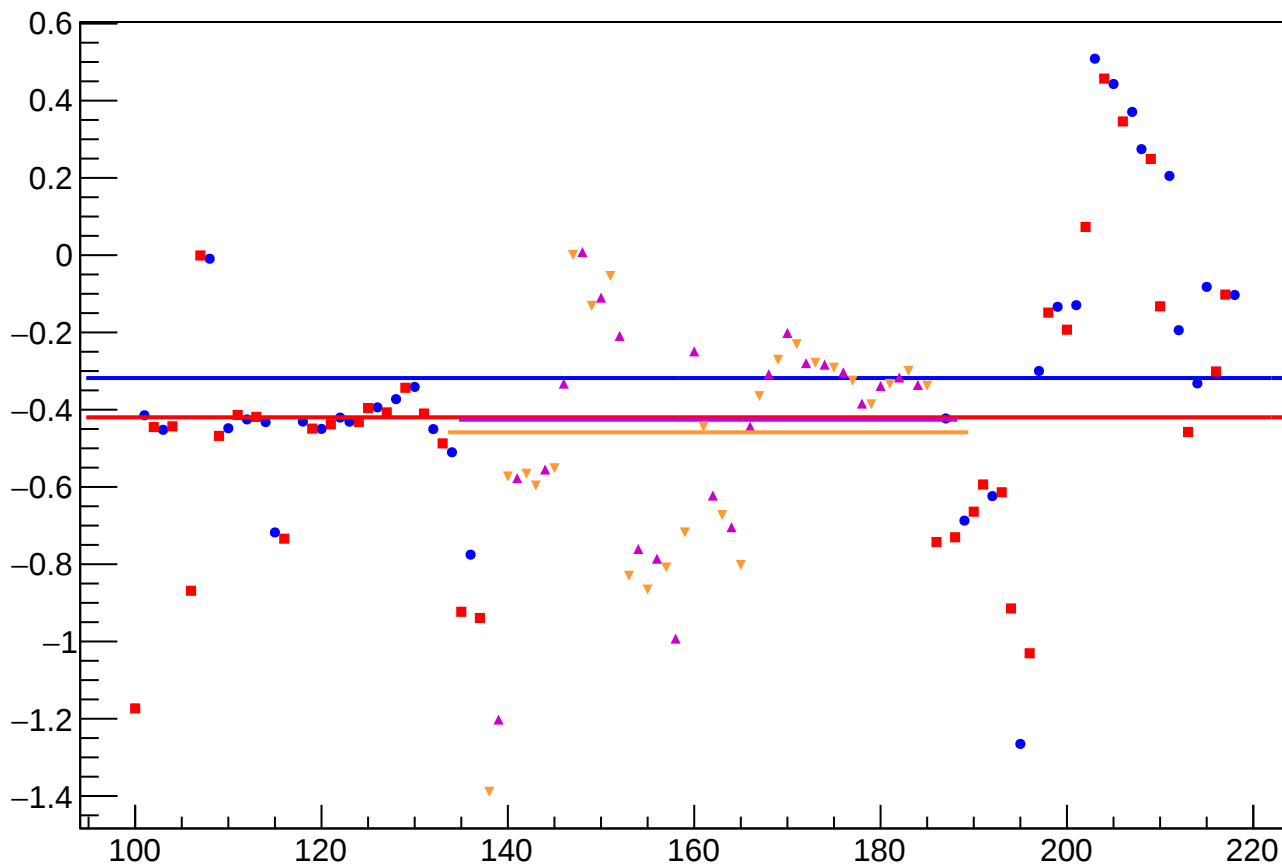
Left In: 0.003+/-0.000 χ^2/NDF : 220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 12510056.0/57

All: 0.003+/-0.000 χ^2/NDF : 23213567.6/116

- sign 0.003+/-0.000 χ^2/NDF : 10702461.3/58

yield_bpm0l07X_mean vs Slug



Right In: -0.318+/-0.000 χ^2 /NDF: 11025559611.5/32

Left Out: -0.459+/-0.000 χ^2 /NDF: 9916462814.9/24

Right Out: -0.420+/-0.000 χ^2 /NDF: 10401221061.3/35

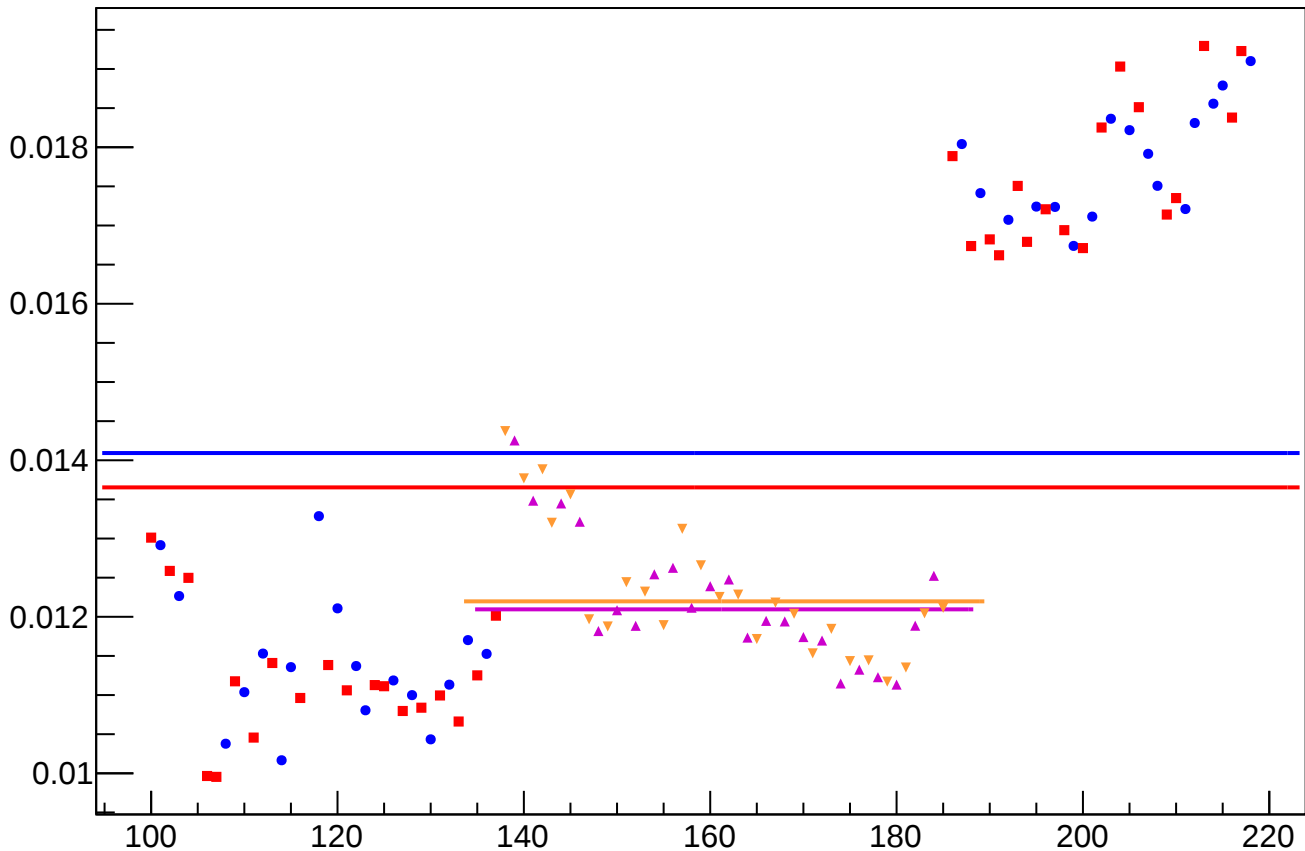
Left In: -0.426+/-0.000 χ^2 /NDF: 8424222576.0/22

+ sign -0.400+/-0.000 χ^2 /NDF: 21915225991.2/57

All: -0.412+/-0.000 χ^2 /NDF: 40798191226.2/100

- sign -0.423+/-0.000 χ^2 /NDF: 18827482396.3/58

yield_bpm0l07X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1718447.5/32

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 141850.9/24

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 1975477.7/35

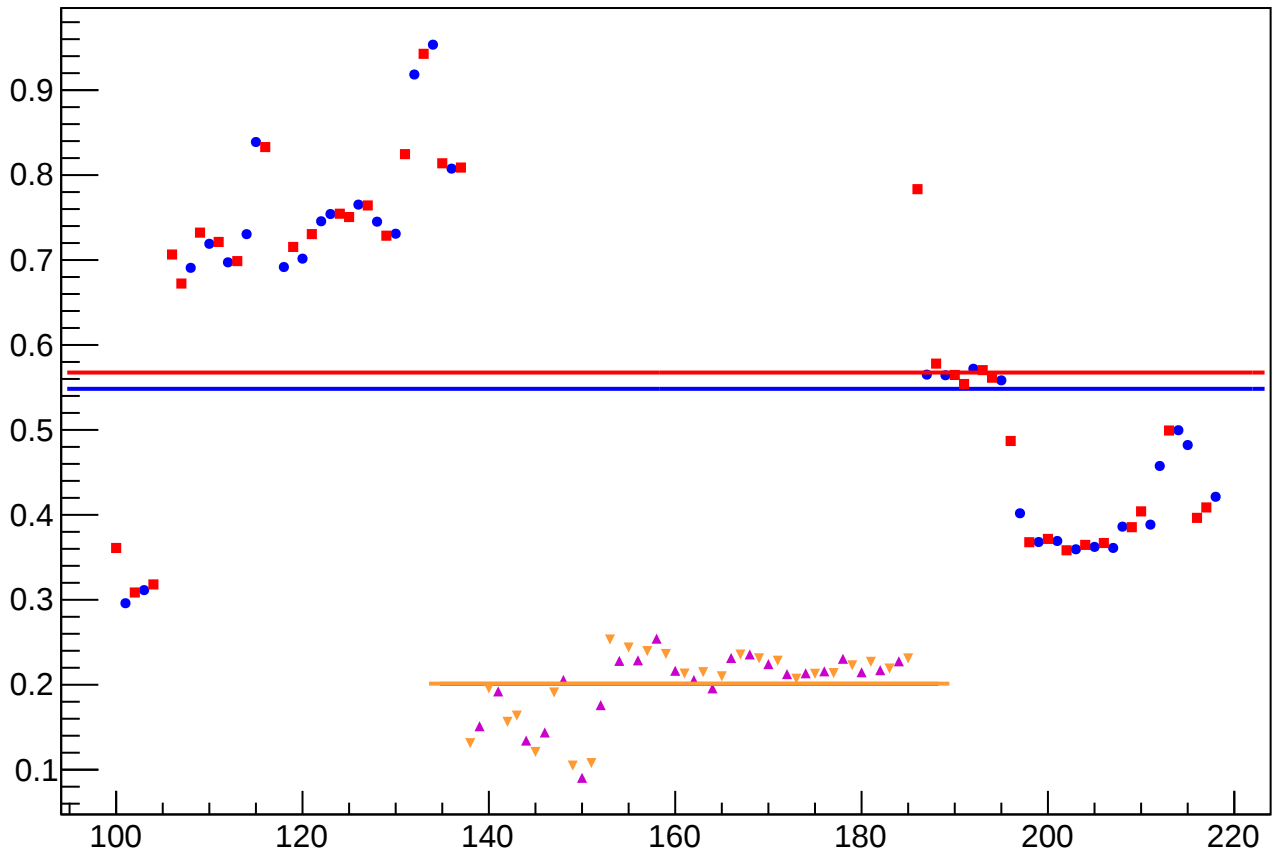
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 127308.3/22

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 2214718.5/57

All: 0.013 $\pm$ 0.000 χ^2/NDF : 4572671.2/116

- sign 0.013 $\pm$ 0.000 χ^2/NDF : 2350258.7/58

yield_bpm0l07Y_mean vs Slug



Right In: 0.548 $\pm$ 0.000 χ^2 /NDF: 77705715717.2/32

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

+ sign 0.324 $\pm$ 0.000 χ^2 /NDF: 257455509142.0/57

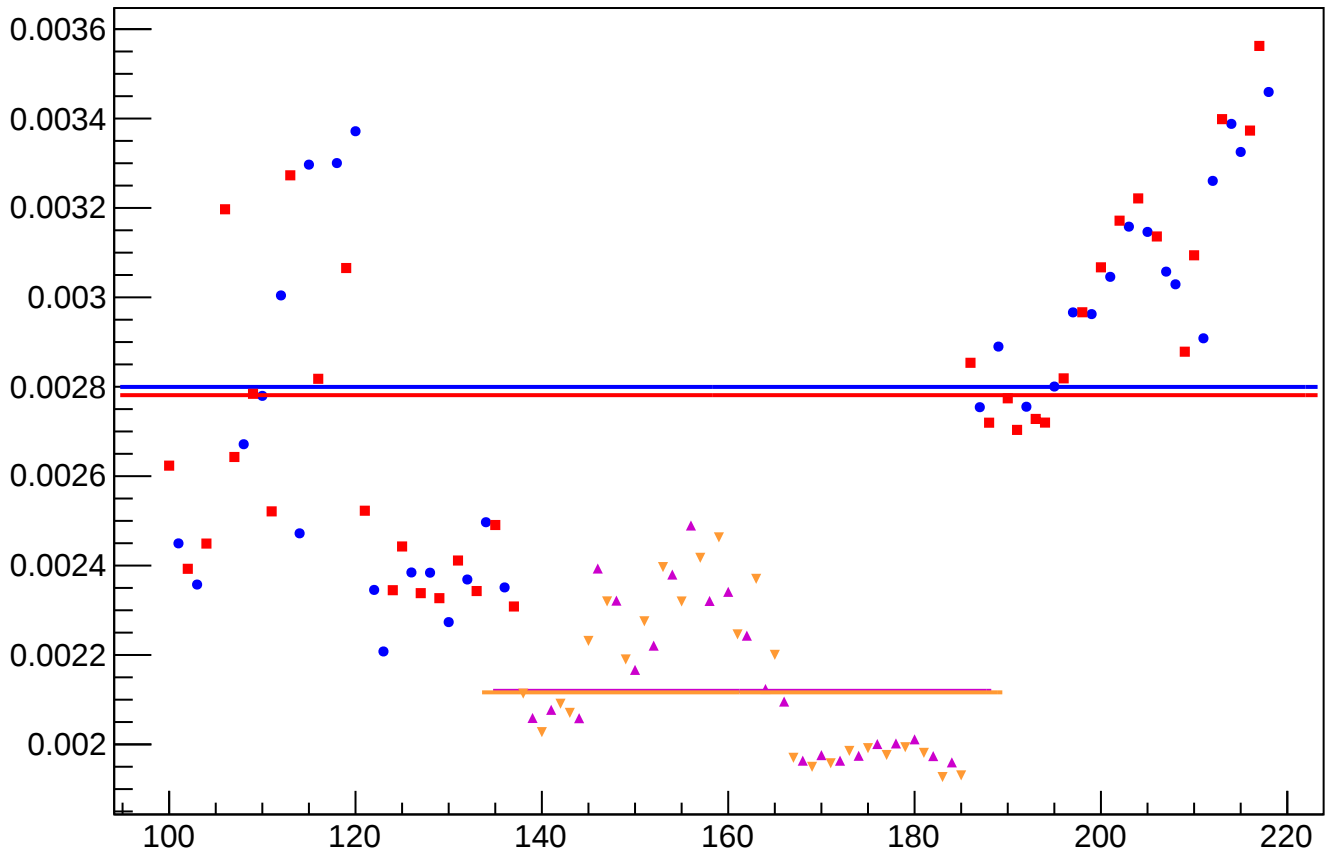
Right Out: 0.568 $\pm$ 0.000 χ^2 /NDF: 77073615370.5/35

All: 0.332 $\pm$ 0.000 χ^2 /NDF: 533714897465.5

Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

- sign 0.339 $\pm$ 0.000 χ^2 /NDF: 275571057059.9/58

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 593831.8/32

Left Out: 0.002+/-0.000 χ^2/NDF :224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 521090.8/35

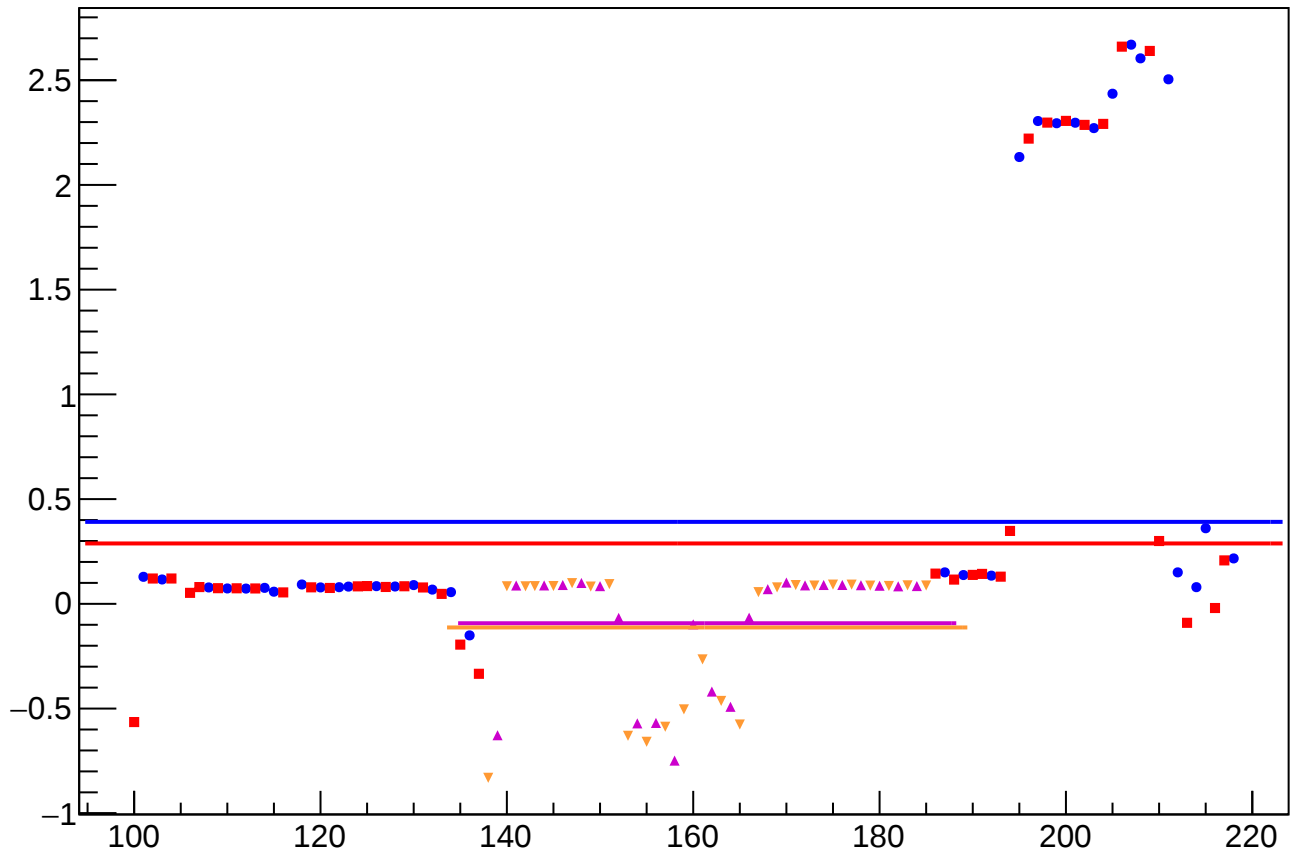
Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 2156698.0/57

All: 0.002+/-0.000 χ^2/NDF : 4123780.6/116

- sign 0.002+/-0.000 χ^2/NDF : 1966380.9/58

yield_bpm0l08X_mean vs Slug



Right In: 0.391 $\pm$ 0.000 χ^2 /NDF: 61460459170.6/32

Left Out: -0.113 $\pm$ 0.000 χ^2 /NDF: 13667354077.1/24

Right Out: 0.288 $\pm$ 0.000 χ^2 /NDF: 52421733846.1/35

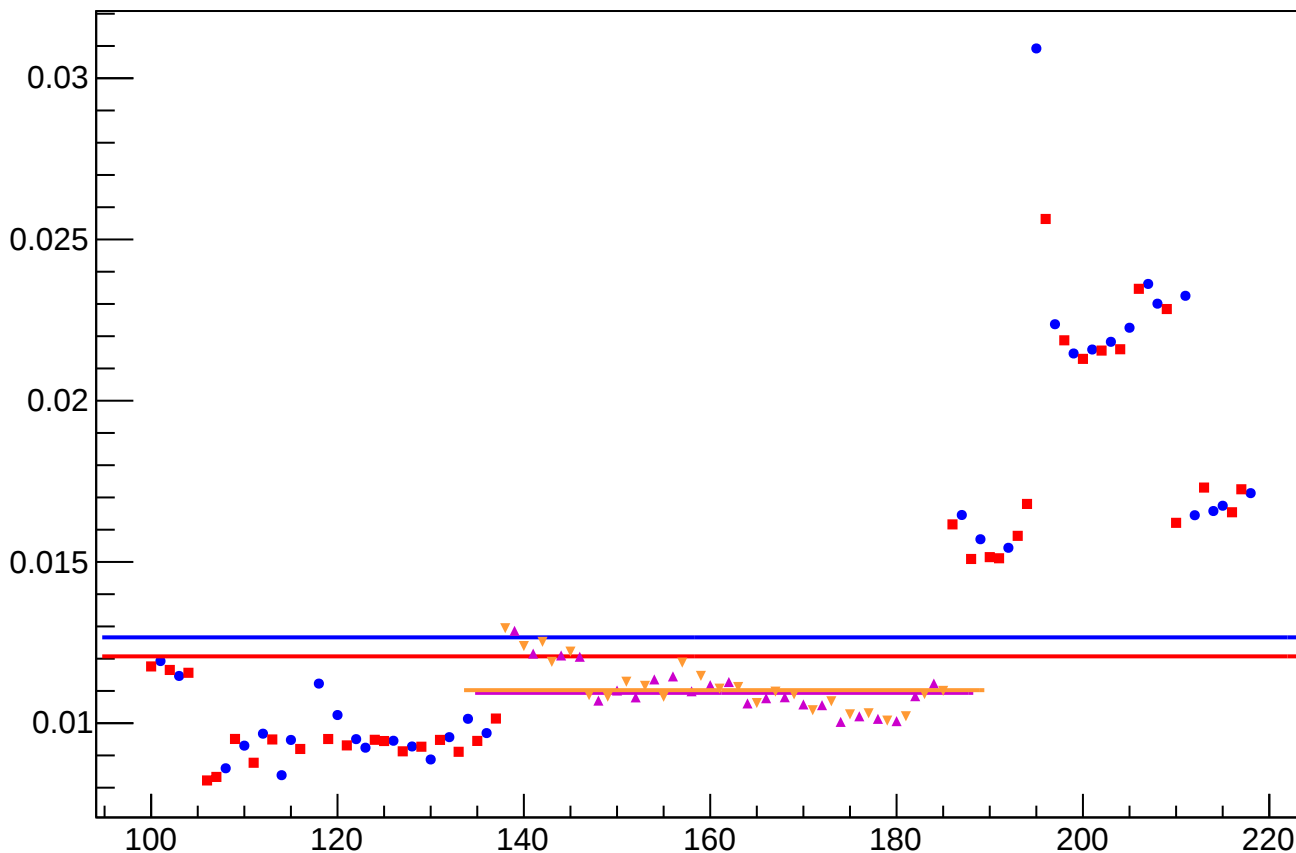
Left In: -0.093 $\pm$ 0.000 χ^2 /NDF: 11051944893.7/22

+ sign 0.089 $\pm$ 0.000 χ^2 /NDF: 89867328940.5/57

All: 0.083 $\pm$ 0.000 χ^2 /NDF: 162292217070.1

- sign 0.076 $\pm$ 0.000 χ^2 /NDF: 72404797348.7/58

yield_bpm0l08X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 4576142.8/32

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:141501.7/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 4285023.4/35

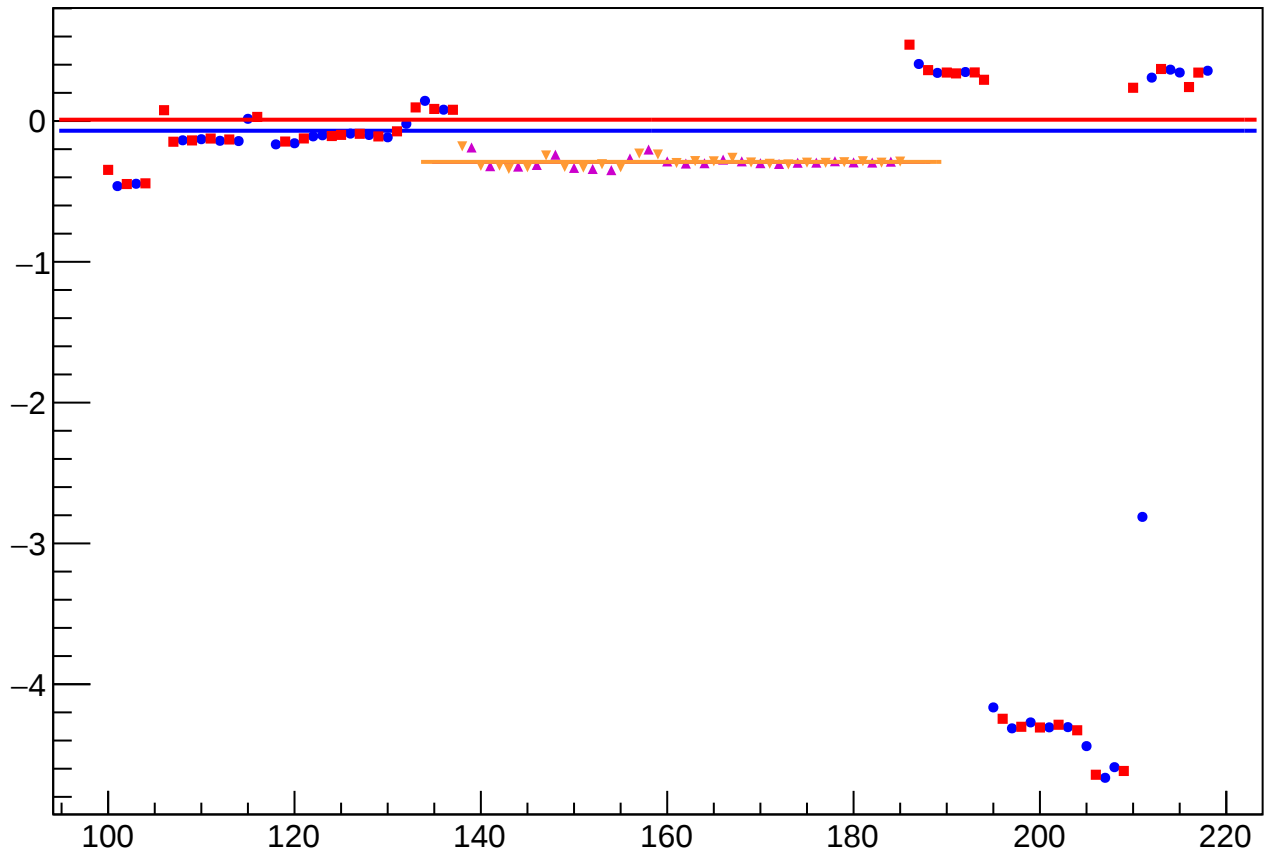
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:128914.2/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5028750.5/57

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 9614033.8/116

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4571463.7/58

yield_bpm0l08Y_mean vs Slug



Right In: -0.069+/-0.000

χ^2/NDF : 396893610802.1/32

Left Out: -0.290+/-0.000

χ^2/NDF : 2877519093.0/24

Right Out: 0.009+/-0.000

χ^2/NDF : 350784228560.7/35

Left In: -0.291+/-0.000

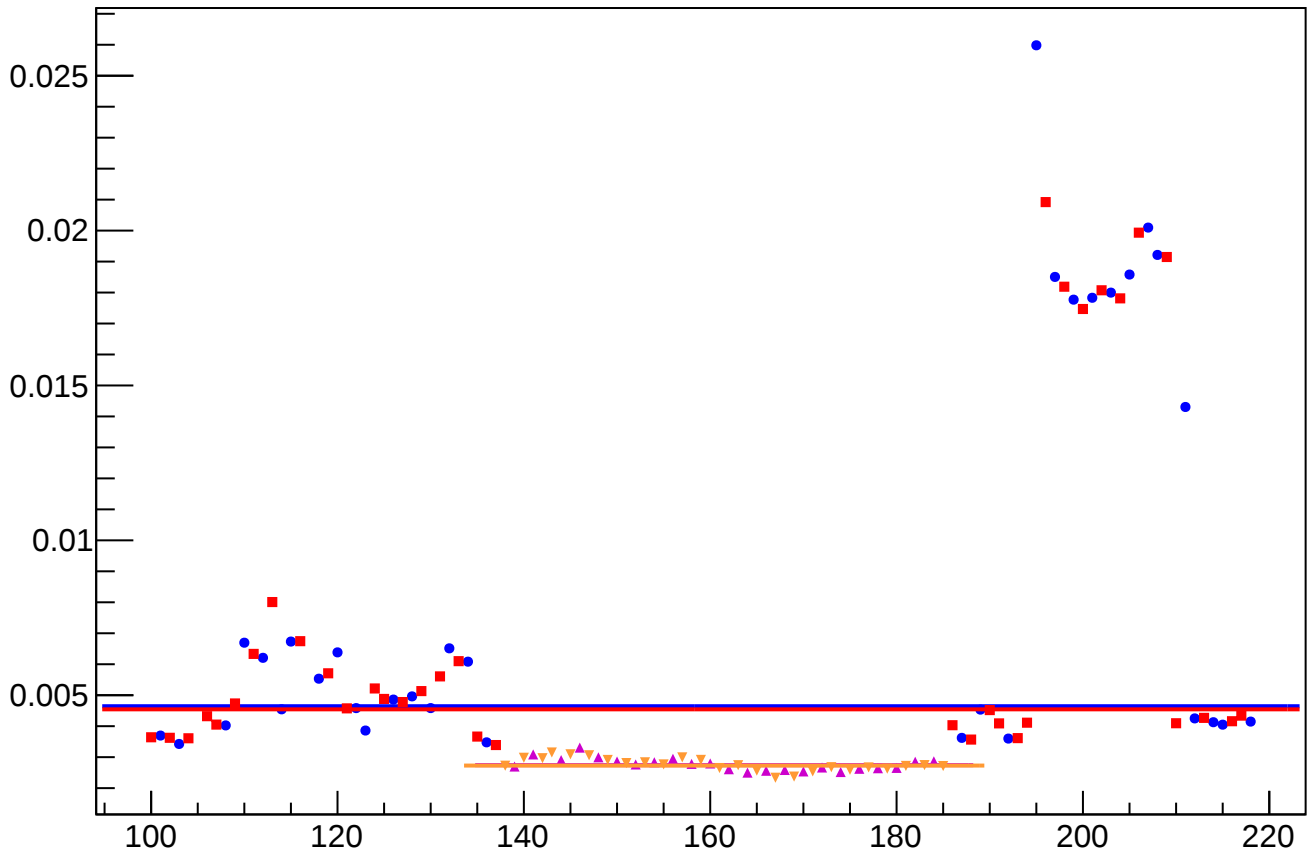
χ^2/NDF : 3125402243.3/22

+ sign -0.246+/-0.000 χ^2/NDF : 423117691990.0/57

All: -0.233+/-0.000 χ^2/NDF : 824990901373.0

- sign -0.220+/-0.000 χ^2/NDF : 400913594750.5/58

yield_bpm0l08Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 8606418.6/32

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 6979060.1/35

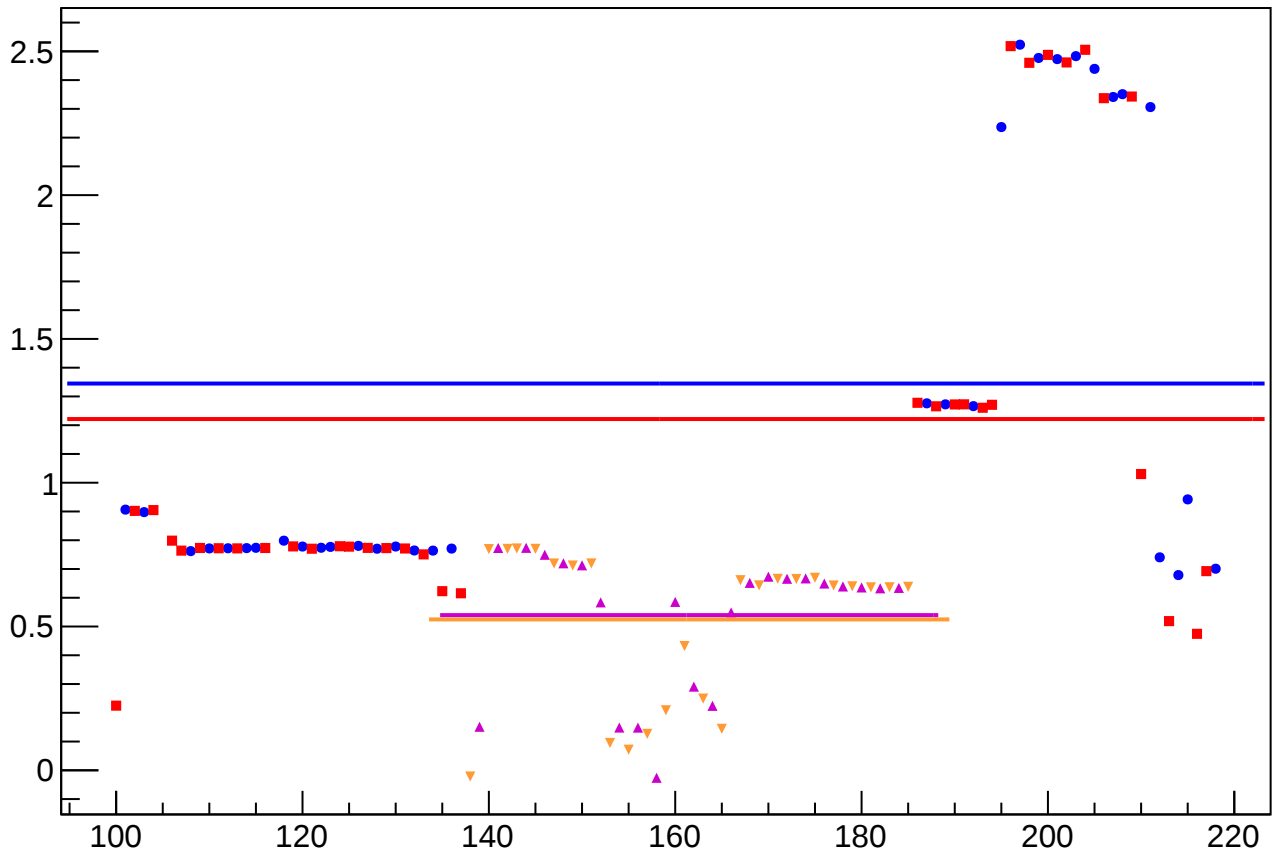
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 12316180.4/57

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 22832171.1/116

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 10507778.7/58

yield_bpm0l09X_mean vs Slug



Right In: 1.345+/-0.000 χ^2/NDF : 60520474862.6/32

Left Out: 0.525+/-0.000 χ^2/NDF : 9623503169.9/24

Right Out: 1.221+/-0.000 χ^2/NDF : 56900386971.7/35

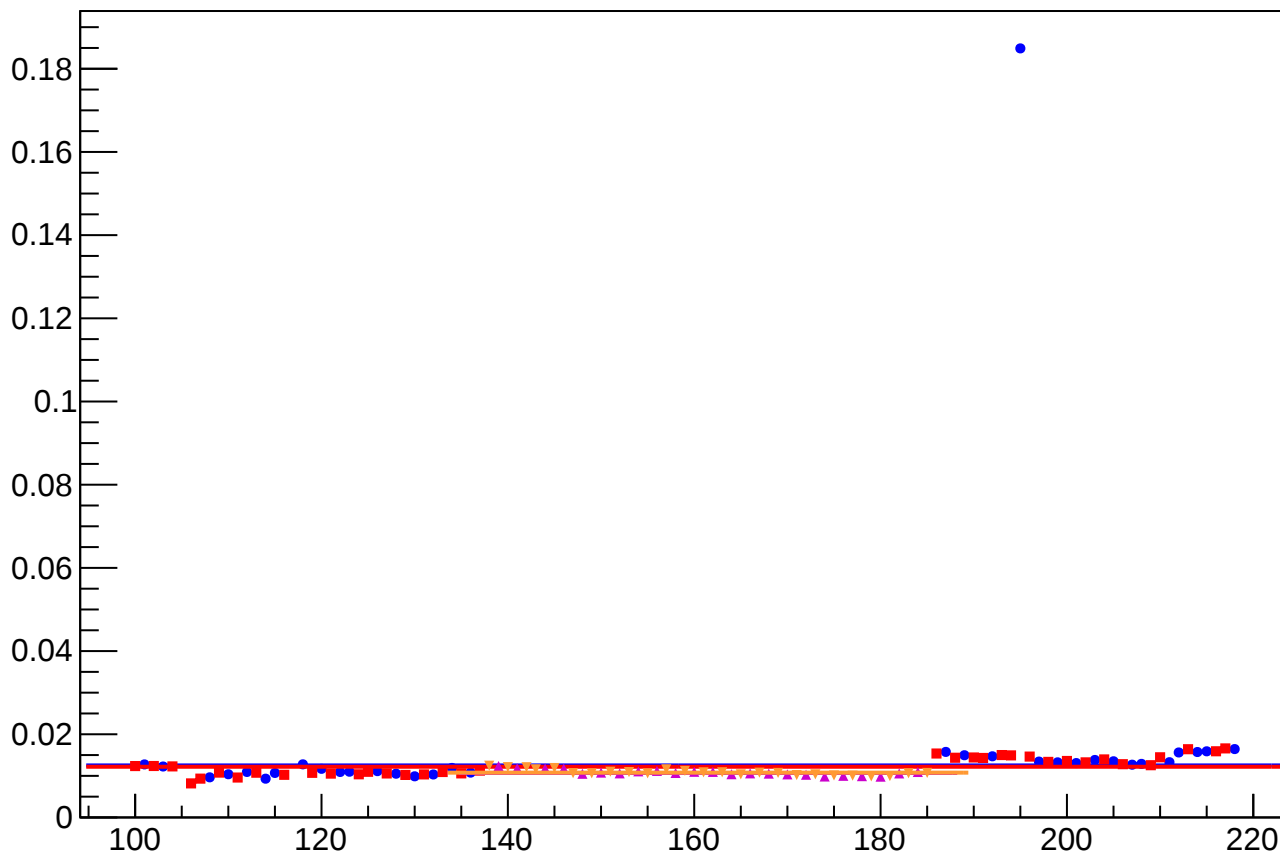
Left In: 0.540+/-0.000 χ^2/NDF : 7860539135.5/22

+ sign 0.861+/-0.000 χ^2/NDF : 112213955372.5/57

All: 0.851+/-0.000 χ^2/NDF : 206996862071.4

- sign 0.841+/-0.000 χ^2/NDF : 94729832976.1/58

yield_bpm0l09X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2207147.4/32

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 1054459.4/35

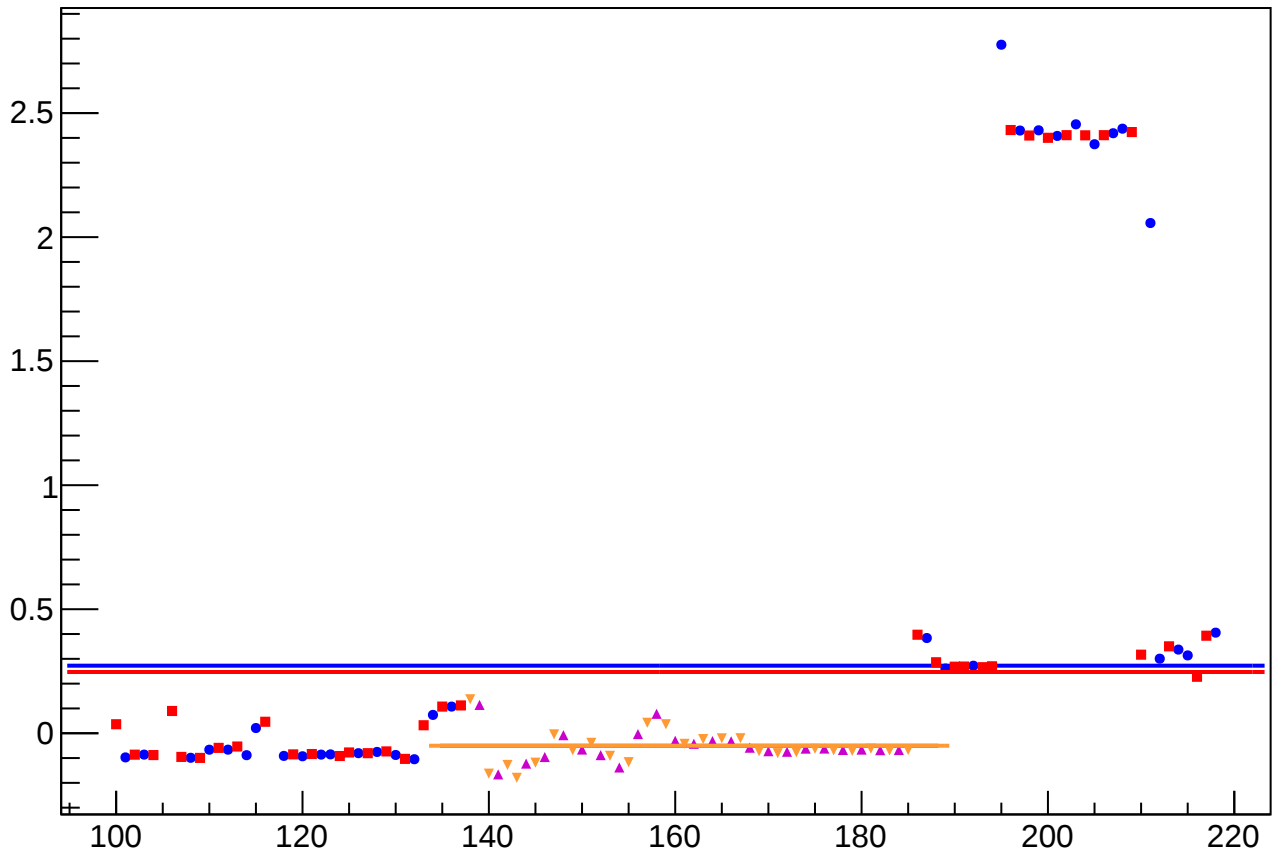
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2717311.8/57

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4184971.0/116

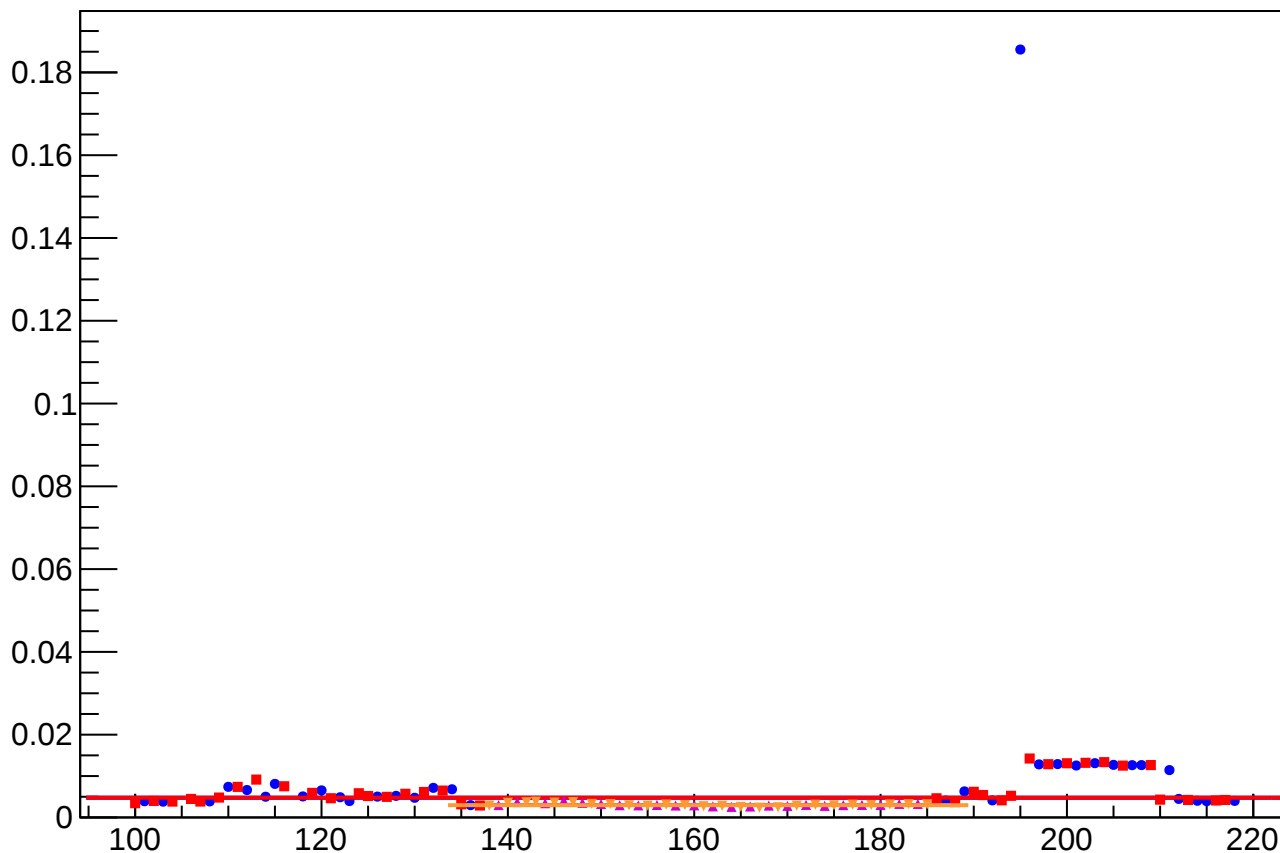
- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1463333.1/58

yield_bpm0l09Y_mean vs Slug



Right In: 0.272+/-0.000	χ^2/NDF : 196896371474.2/32	+ sign 0.024+/-0.000	χ^2/NDF : 250783153837.1/57
Left Out: -0.050+/-0.000	χ^2/NDF : 7271496478.6/24	All: 0.025+/-0.000	χ^2/NDF : 458850448625.4
Right Out: 0.247+/-0.000	χ^2/NDF : 161232765686.9/35	- sign 0.026+/-0.000	χ^2/NDF : 208061601470.0/58
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 : 7511553.8/32

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 5224730.5/35

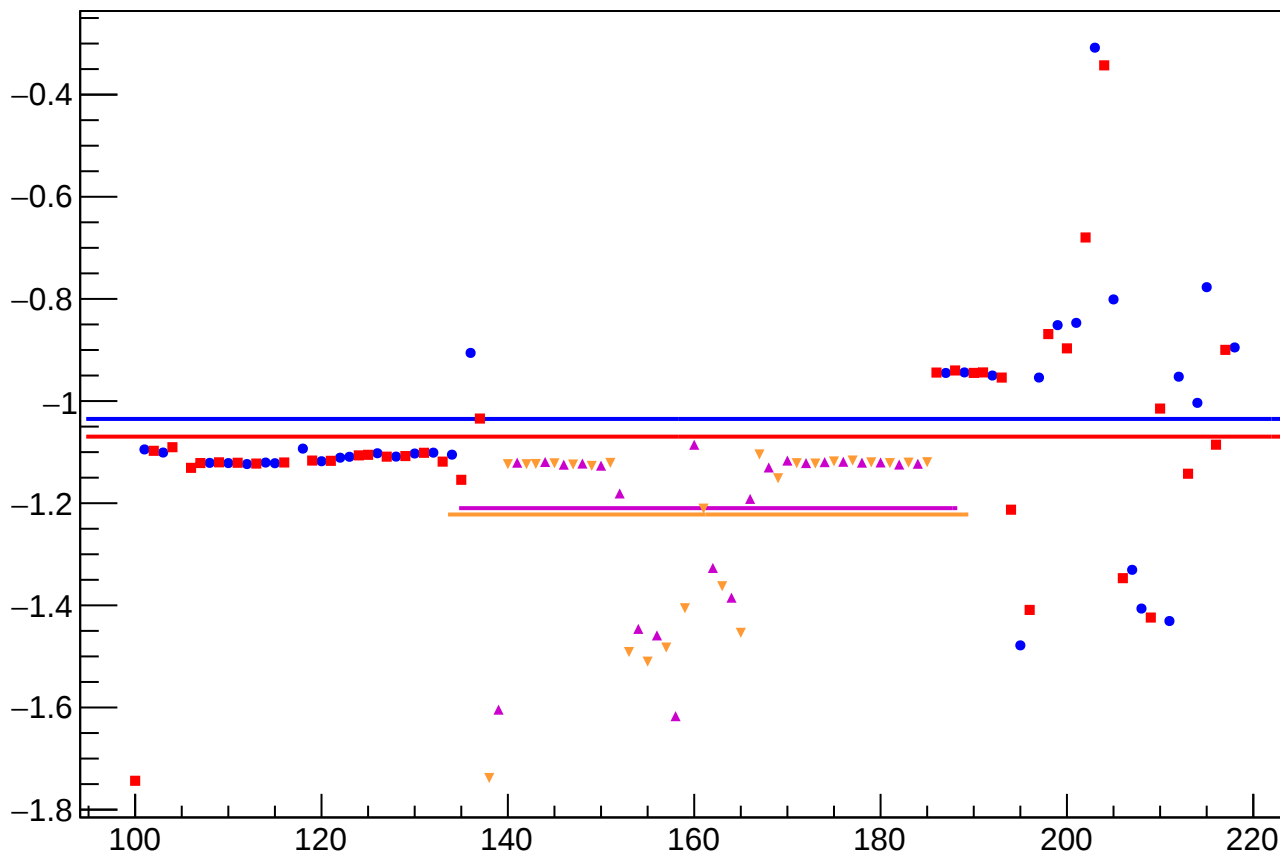
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 10906240.4/57

All: 0.003+/-0.000 χ^2/NDF : 19370022.8/116

- sign 0.003+/-0.000 χ^2/NDF : 8446720.1/58

yield_bpm0l10X_mean vs Slug



Right In: -1.035 ± 0.000 $\chi^2/\text{NDF}: 5944587734.1/32$

Left Out: -1.222 ± 0.000 $\chi^2/\text{NDF}: 5279548861.3/24$

Right Out: -1.070 ± 0.000 $\chi^2/\text{NDF}: 4764085470.6/35$

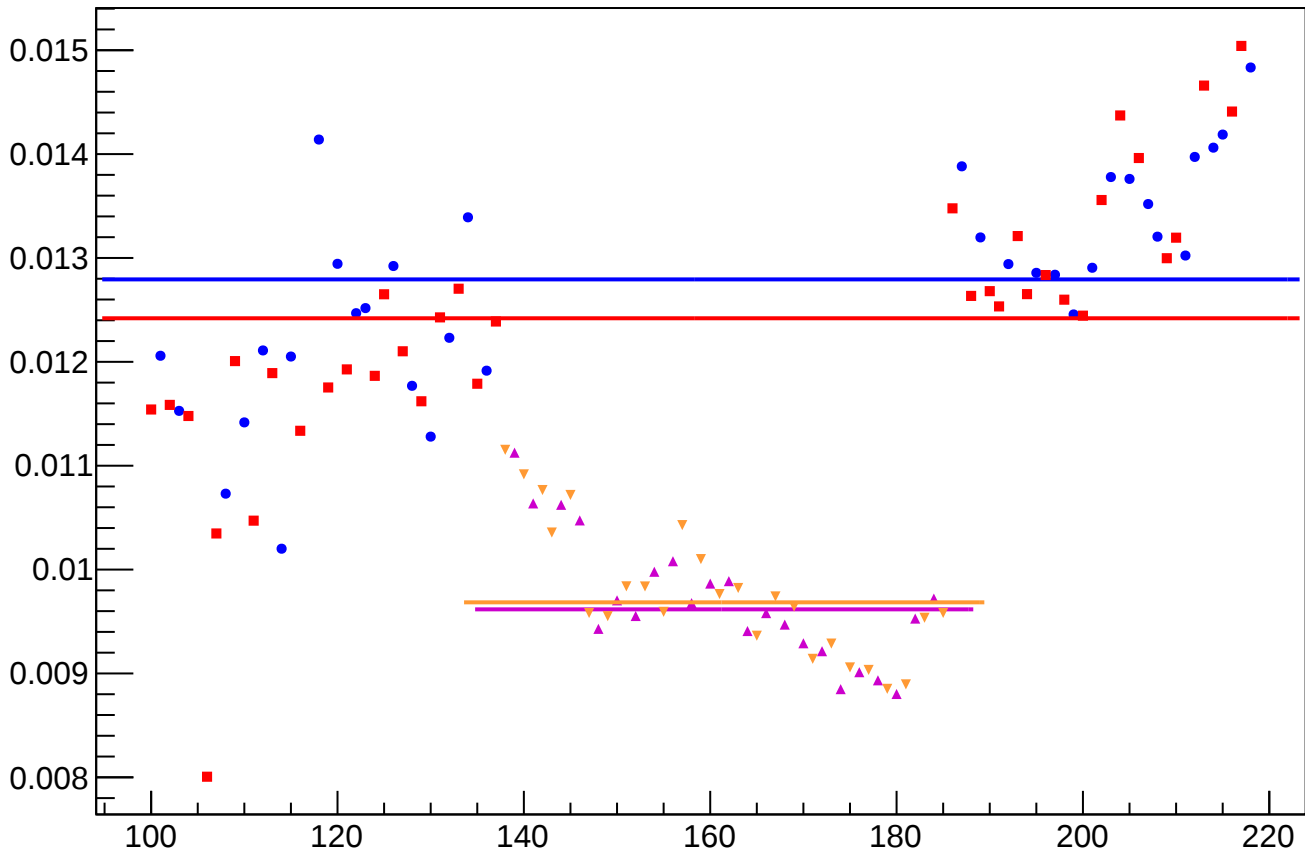
Left In: -1.210 ± 0.000 $\chi^2/\text{NDF}: 4502367902.8/22$

+ sign -1.154 ± 0.000 $\chi^2/\text{NDF}: 13621991932.1/57$

All: -1.155 ± 0.000 $\chi^2/\text{NDF}: 24279428287.8$

- sign -1.155 ± 0.000 $\chi^2/\text{NDF}: 10657411818.2/58$

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 208108.2/32

Left Out: 0.010+/-0.000 χ^2/NDF :134863.6/24

Right Out: 0.012+/-0.000 χ^2/NDF : 444574.9/35

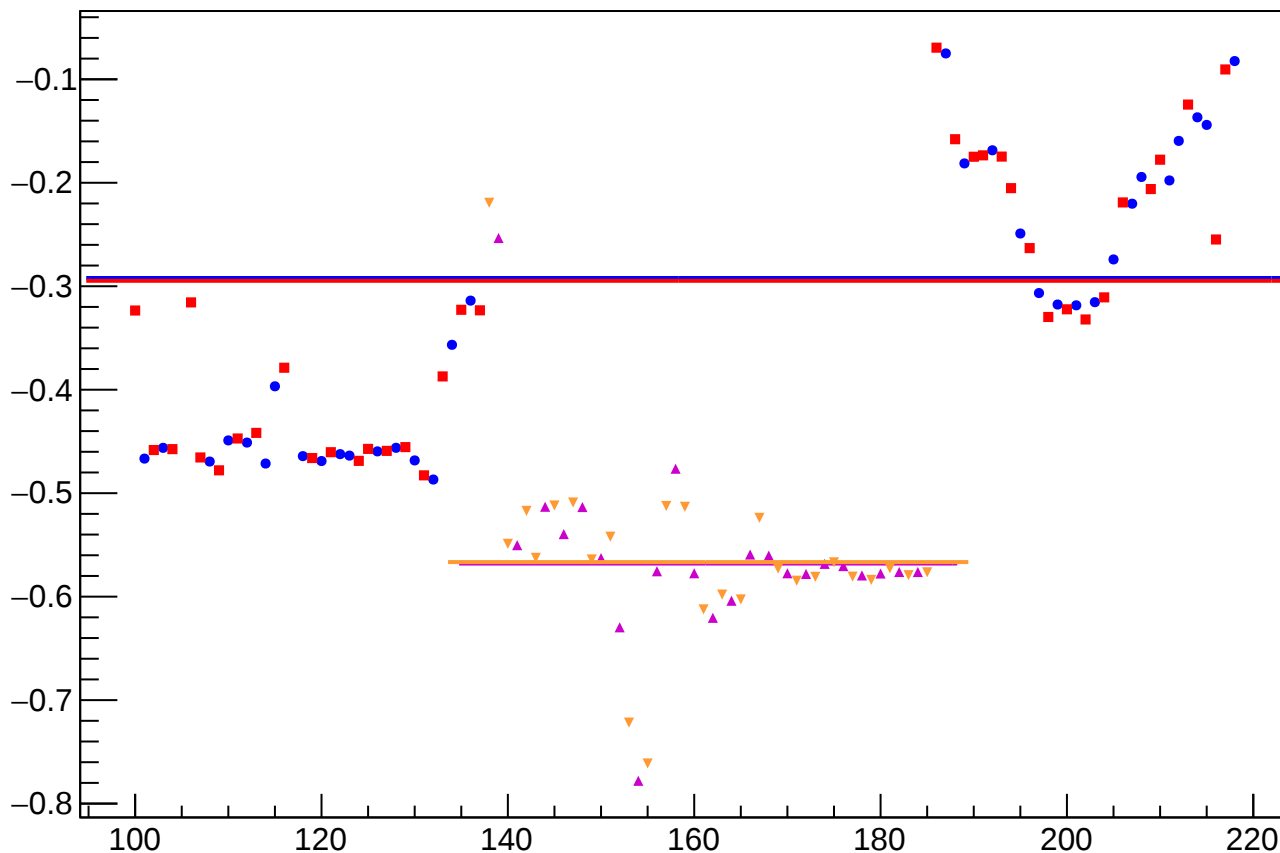
Left In: 0.010+/-0.000 χ^2/NDF :119823.1/22

+ sign 0.011+/-0.000 χ^2/NDF : 1666990.6/57

All: 0.011+/-0.000 χ^2/NDF : 3348307.7/116

- sign 0.011+/-0.000 χ^2/NDF : 1678641.7/58

yield_bpm0l10Y_mean vs Slug



Right In: -0.292+/-0.000 χ^2 /NDF: 17023551396.9/32

Left Out: -0.567+/-0.000 χ^2 /NDF:13368458519.3/24

Right Out: -0.295+/-0.000 χ^2 /NDF: 16625182172.5/35

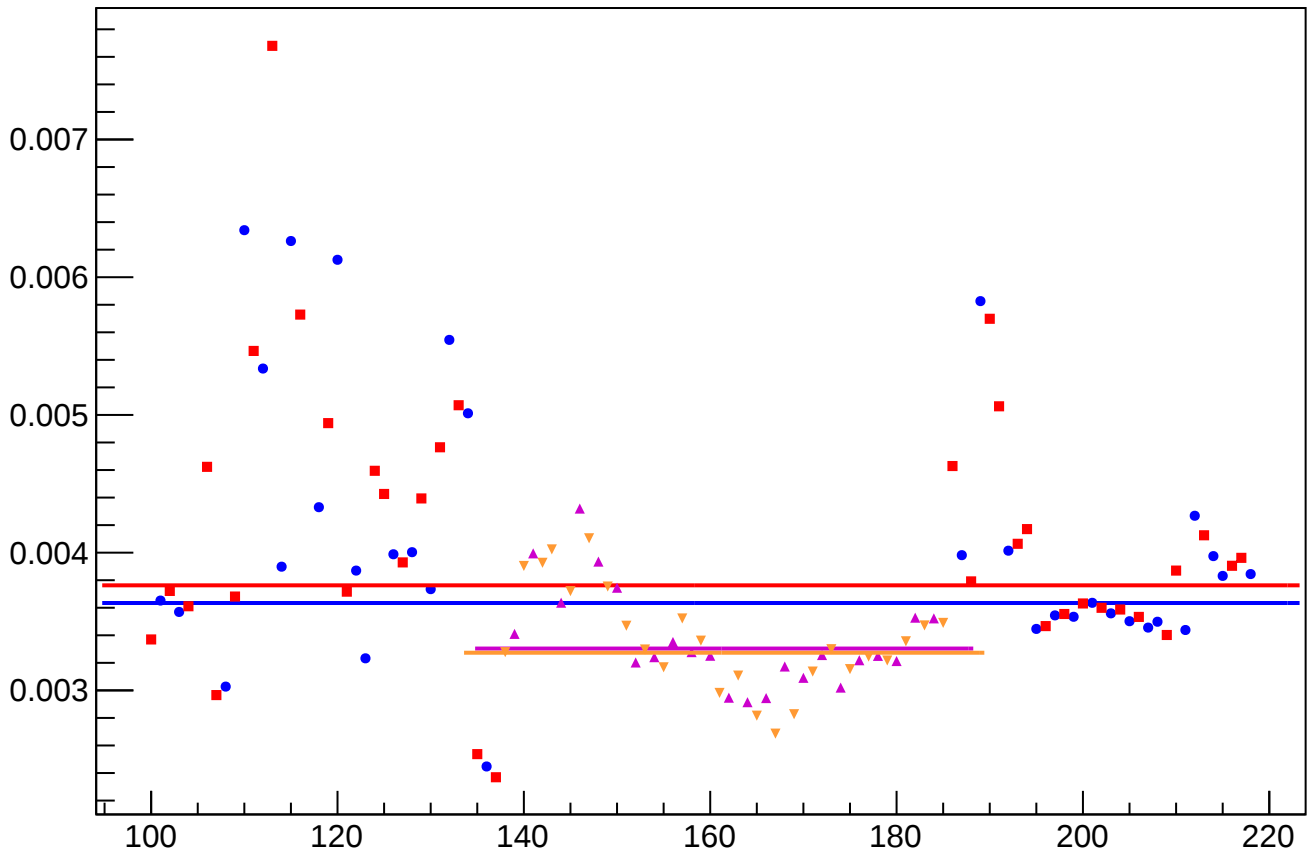
Left In: -0.568+/-0.000 χ^2 /NDF:10458990019.9/22

+ sign -0.446+/-0.000 χ^2 /NDF: 83232371952.0/57

All: -0.446+/-0.000 χ^2 /NDF: 159654851883.3

- sign -0.446+/-0.000 χ^2 /NDF: 76422103534.6/58

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1057215.9/32

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1105194.3/35

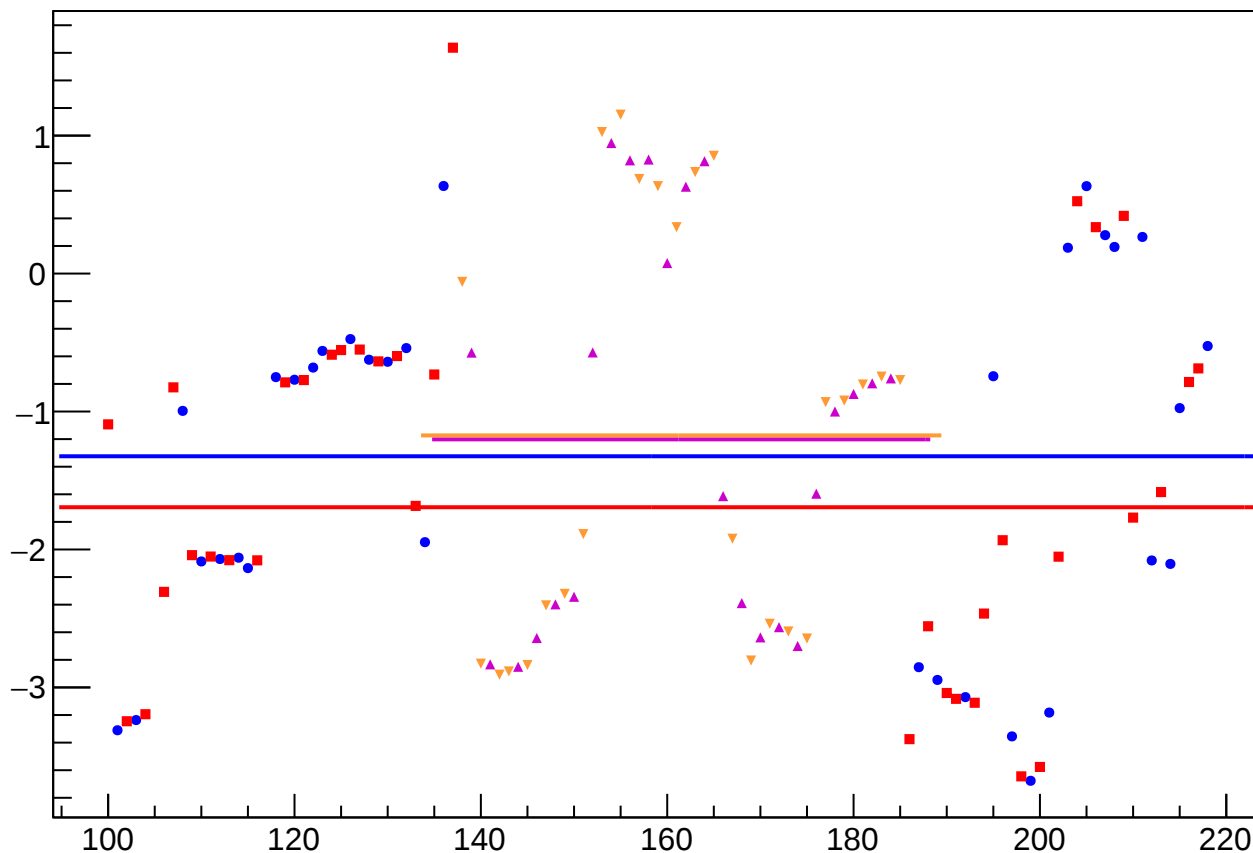
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1634853.6/57

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3321061.8/116

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1669693.0/58

yield_bpm0r03X_mean vs Slug



Right In: -1.324+/-0.000 χ^2/NDF : 6311616573.5/32

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -1.694+/-0.000 χ^2/NDF : 5404429778.7/35

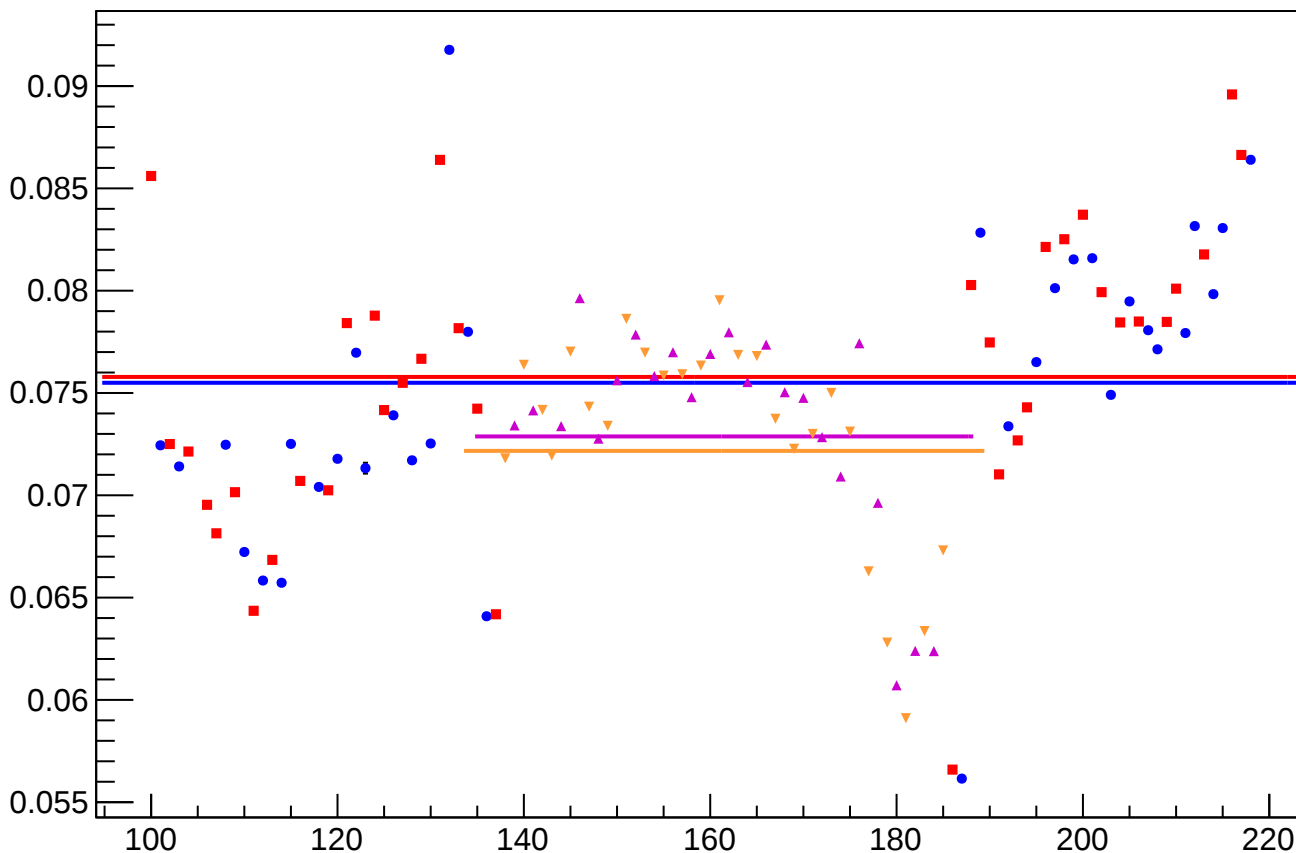
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.245+/-0.000 χ^2/NDF : 13231899793.0/57

All: -1.345+/-0.000 χ^2/NDF : 24764103630.8/100

- sign -1.448+/-0.000 χ^2/NDF : 11398232062.6/58

yield_bpm0r03X_rms vs Slug



Right In: 0.075+/-0.000 χ^2/NDF : 258198.2/32

Left Out: 0.072+/-0.000 χ^2/NDF : 222263.8/24

Right Out: 0.076+/-0.000 χ^2/NDF : 310679.2/35

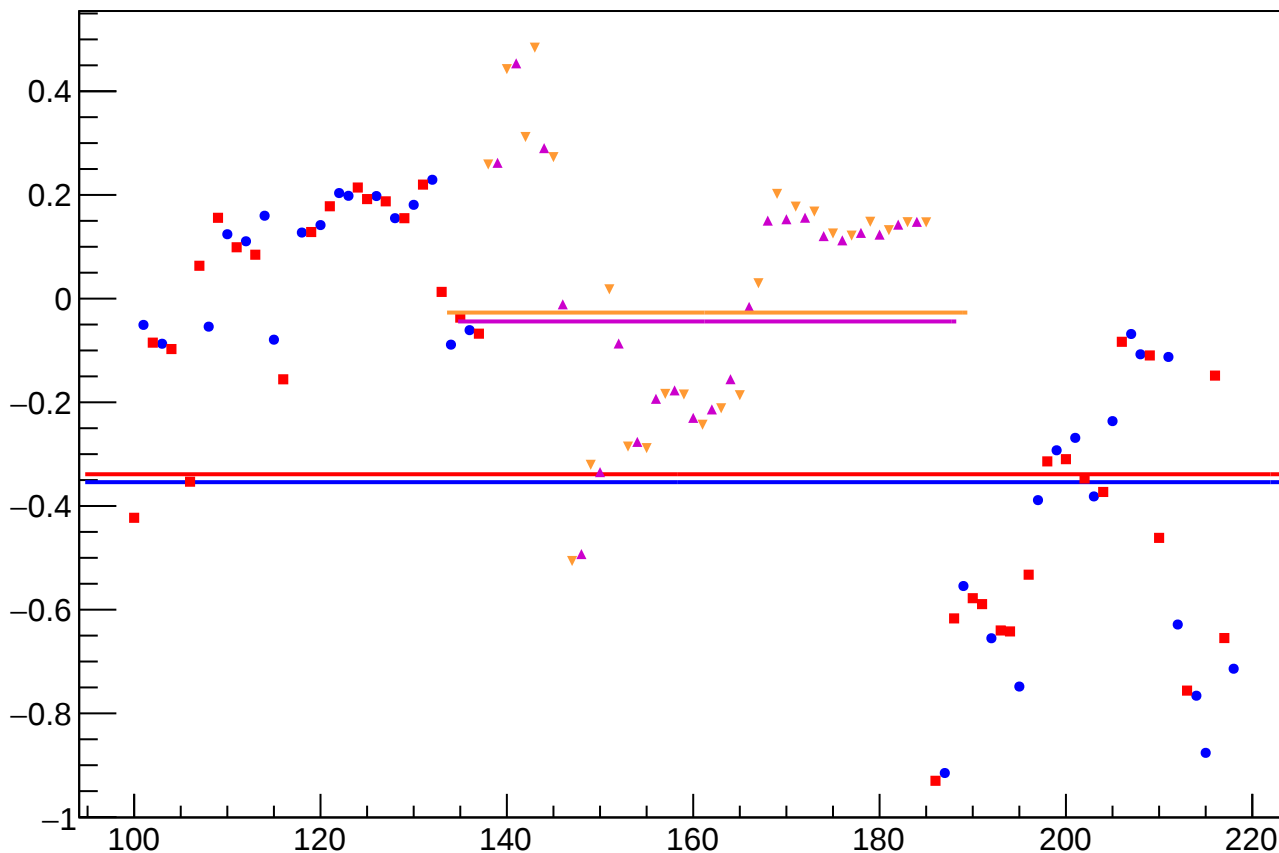
Left In: 0.073+/-0.000 χ^2/NDF : 183503.0/22

+ sign 0.074+/-0.000 χ^2/NDF : 516913.9/57

All: 0.074+/-0.000 χ^2/NDF : 1040305.7/116

- sign 0.074+/-0.000 χ^2/NDF : 521208.9/58

yield_bpm0r03Y_mean vs Slug



Right In: -0.354 ± 0.000 χ^2/NDF : 24937338746.9/32

Left Out: -0.027 ± 0.000 χ^2/NDF : 20376761328.6/24

Right Out: -0.339 ± 0.000 χ^2/NDF : 17201589622.6/35

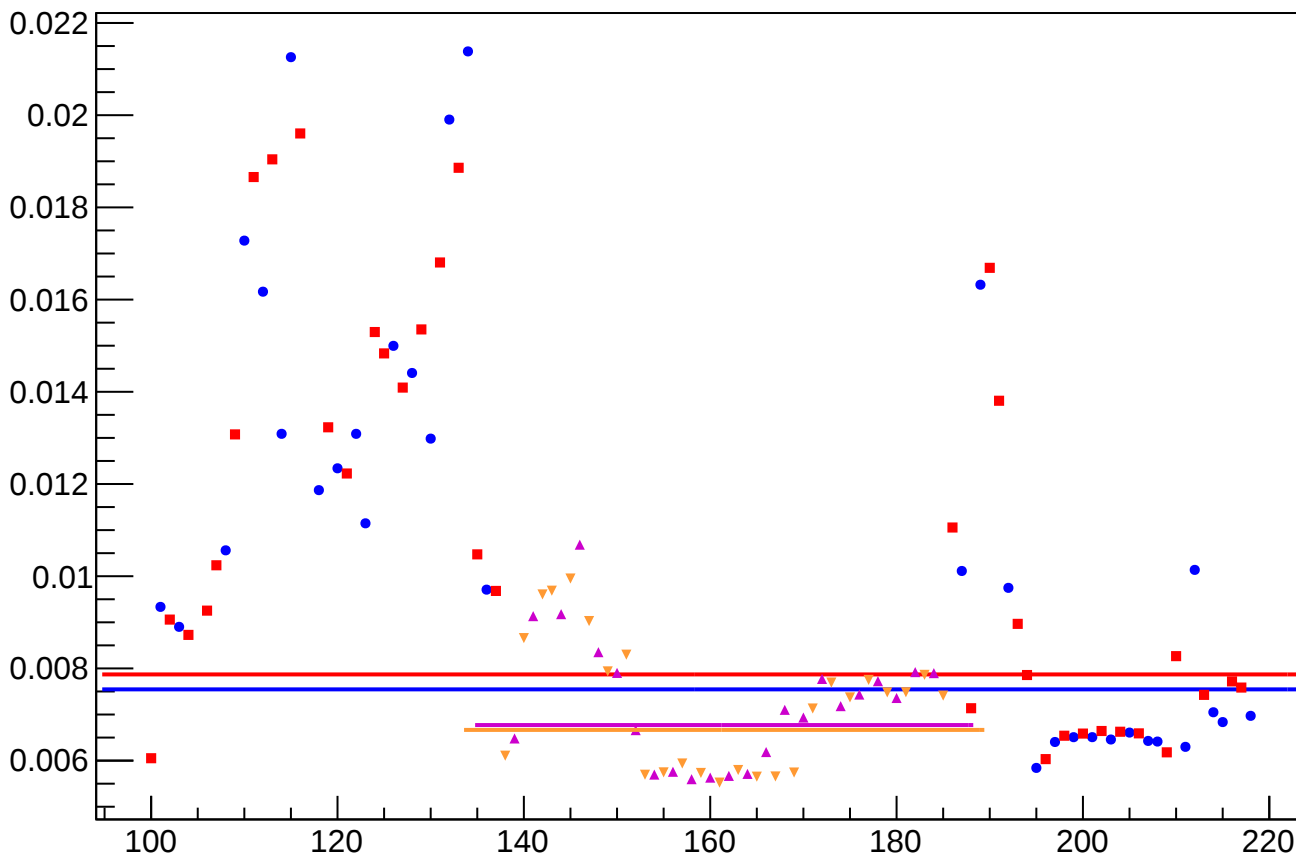
Left In: -0.044 ± 0.000 χ^2/NDF : 15718556282.1/22

+ sign -0.165 ± 0.000 χ^2/NDF : 62392543338.0/57

All: -0.167 ± 0.000 χ^2/NDF : 108016210681.7

- sign -0.169 ± 0.000 χ^2/NDF : 45618932753.5/58

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2974844.1/32

Left Out: 0.007+/-0.000 χ^2/NDF :1143768.6/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3082669.2/35

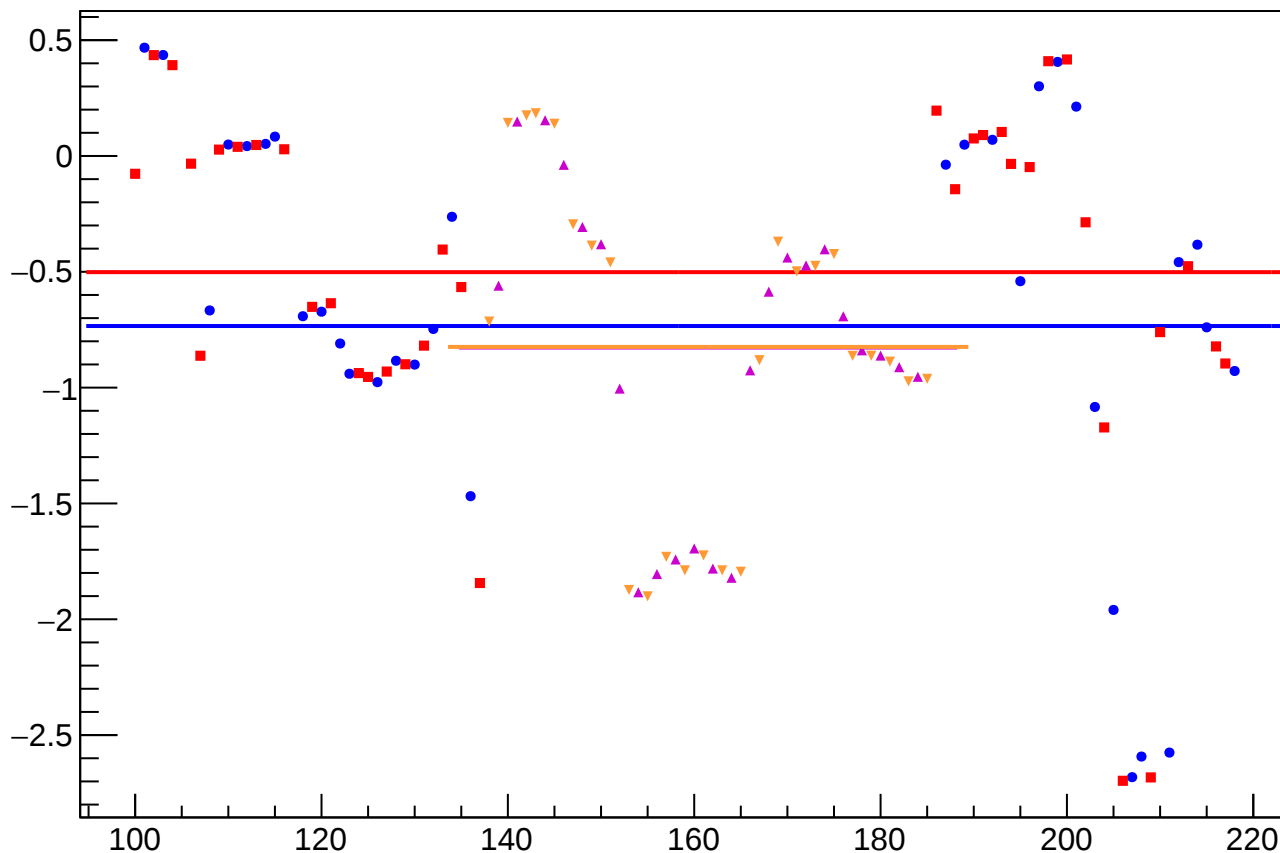
Left In: 0.007+/-0.000 χ^2/NDF :934050.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 4365420.9/57

All: 0.007+/-0.000 χ^2/NDF : 8759656.1/116

- sign 0.007+/-0.000 χ^2/NDF : 4369345.6/58

yield_bpm0r05X_mean vs Slug



Right In: -0.734 ± 0.000 $\chi^2/\text{NDF}: 1769838544.4/32$

Left Out: -0.824 ± 0.000 $\chi^2/\text{NDF}: 1103610806.5/24$

Right Out: -0.501 ± 0.000 $\chi^2/\text{NDF}: 1493354636.8/35$

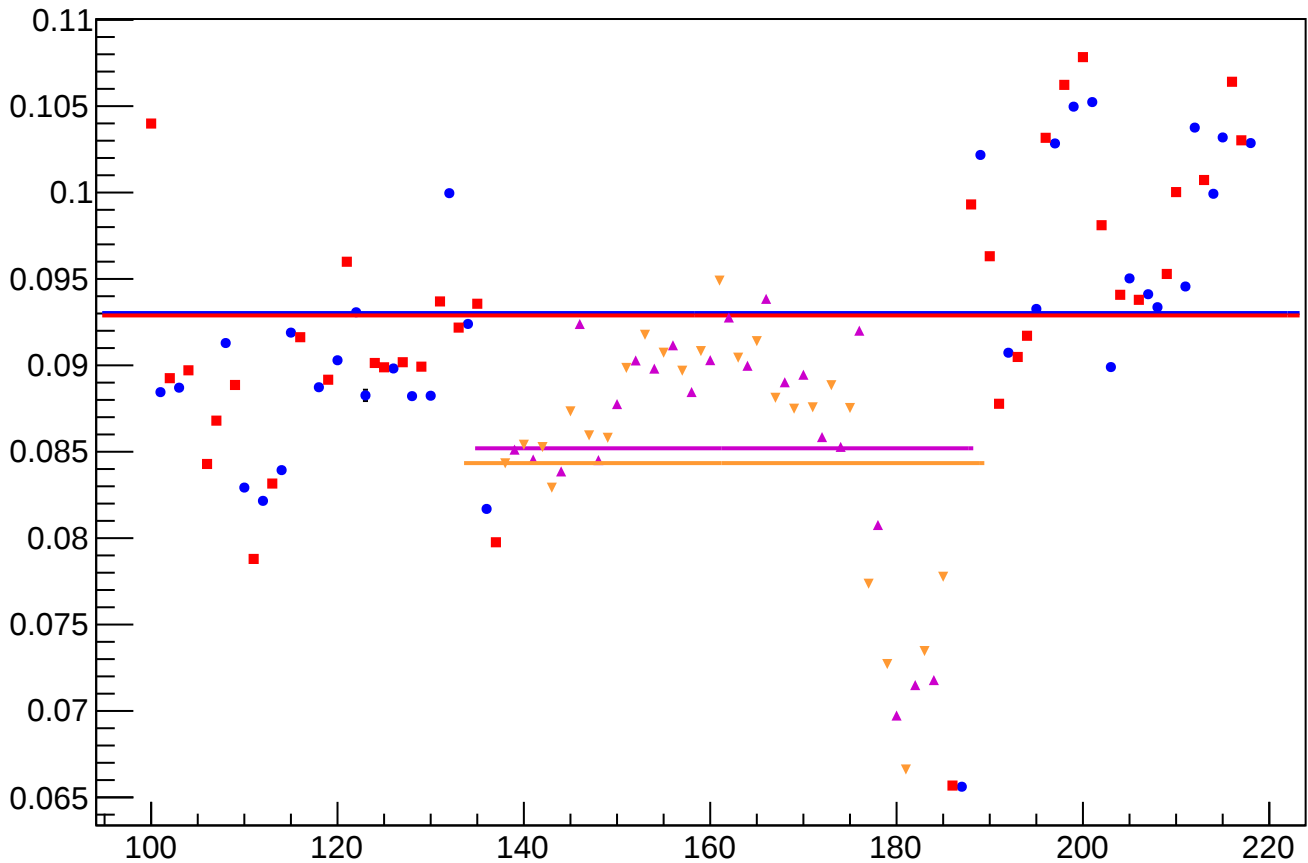
Left In: -0.827 ± 0.000 $\chi^2/\text{NDF}: 921651117.3/22$

+ sign -0.784 ± 0.000 $\chi^2/\text{NDF}: 2882794374.9/57$

All: -0.729 ± 0.000 $\chi^2/\text{NDF}: 5445518993.6/1$

- sign -0.672 ± 0.000 $\chi^2/\text{NDF}: 2534079174.3/58$

yield_bpm0r05X_rms vs Slug



Right In: 0.093 $\pm$ 0.000 χ^2 /NDF: 252861.7/32

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 343490.7/35

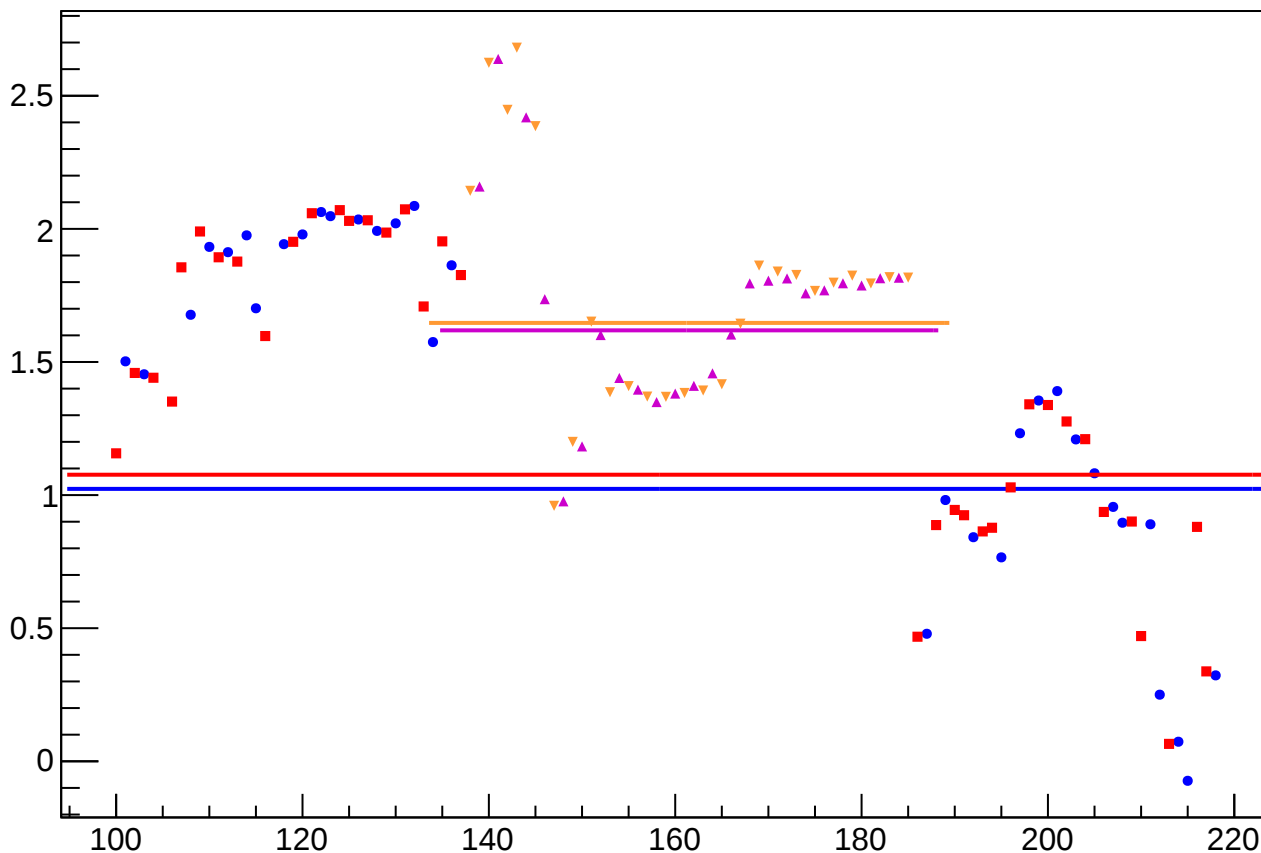
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 714301.0/57

All: 0.089 $\pm$ 0.000 χ^2 /NDF: 1430760.4/116

- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 714704.8/58

yield_bpm0r05Y_mean vs Slug



Right In: 1.023+/-0.000 χ^2/NDF : 40978318543.6/32

Left Out: 1.647+/-0.000 χ^2/NDF : 26535241545.7/24

Right Out: 1.077+/-0.000 χ^2/NDF : 28106814478.0/35

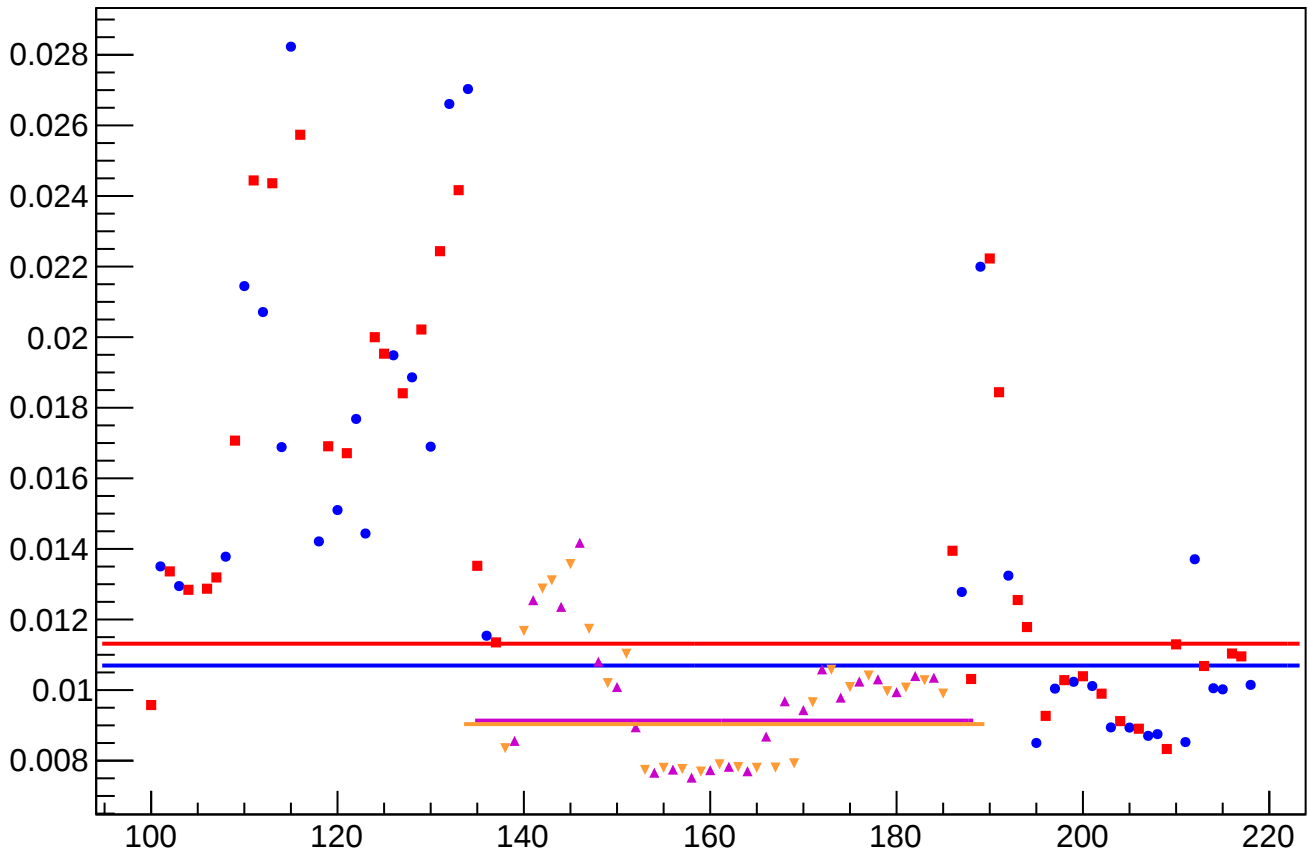
Left In: 1.619+/-0.000 χ^2/NDF : 20618198188.1/22

+ sign 1.396+/-0.000 χ^2/NDF : 100021085967.7/57

All: 1.400+/-0.000 χ^2/NDF : 171043614281.0

- sign 1.404+/-0.000 χ^2/NDF : 71012209164.9/58

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2432042.2/32

Left Out: 0.009+/-0.000 χ^2/NDF :1042871.8/24

Right Out: 0.011+/-0.000 χ^2/NDF : 2532623.0/35

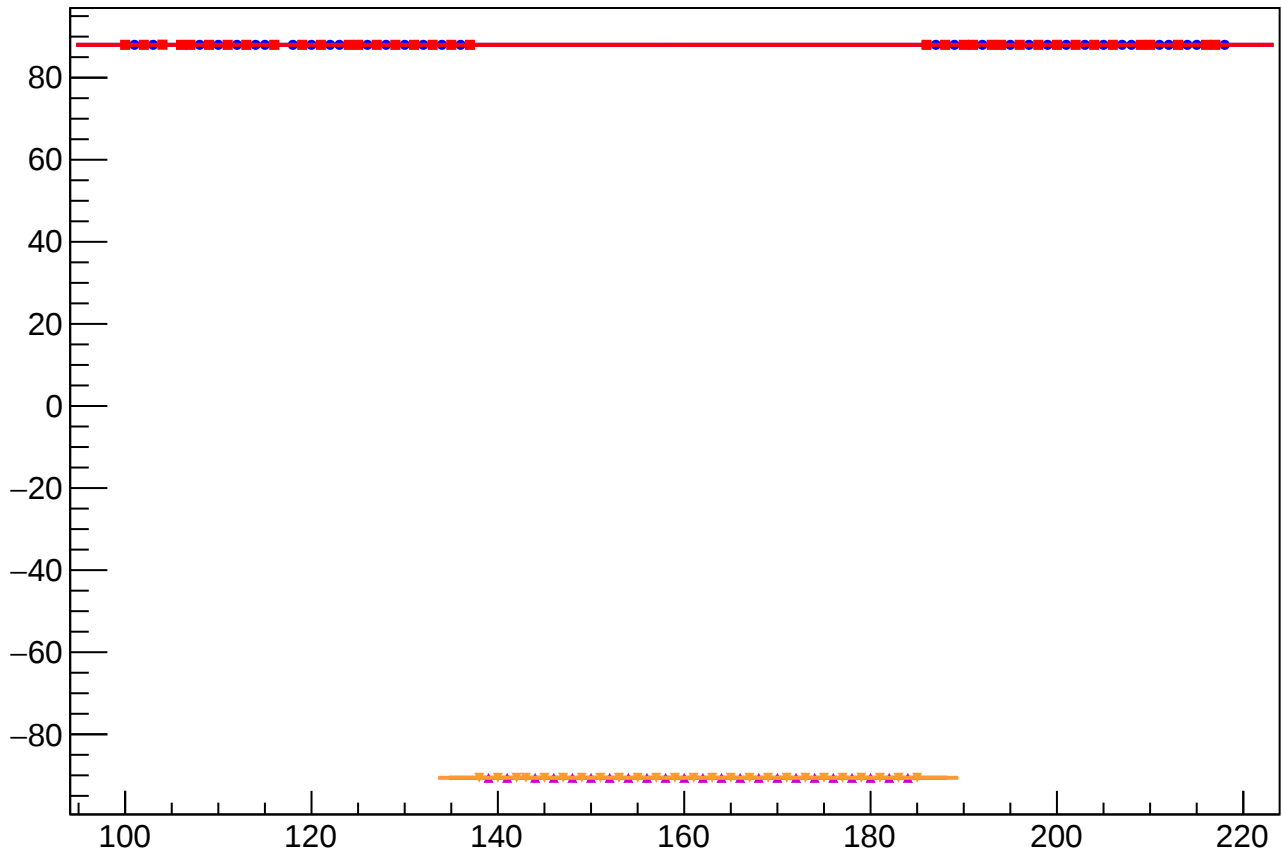
Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3935704.0/57

All: 0.010+/-0.000 χ^2/NDF : 8095490.6/116

- sign 0.010+/-0.000 χ^2/NDF : 4130946.3/58

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 6632389.1/32

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.002 $\pm$ 0.000 χ^2 /NDF: 81224625914835205858267234304.0/35

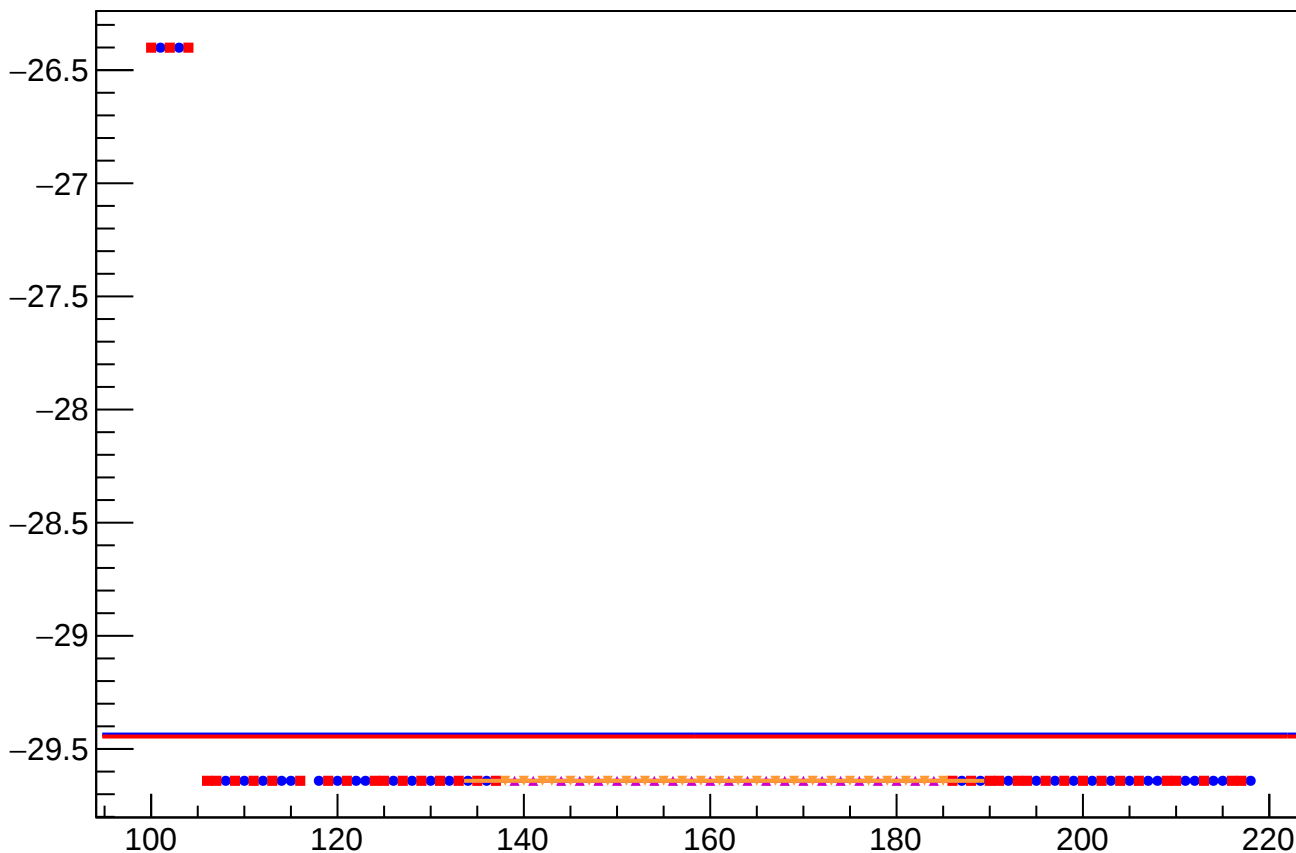
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -2.103 $\pm$ 0.000 χ^2 /NDF: 3010923289719278

All: -0.215 $\pm$ 0.000 χ^2 /NDF: 5974440448117

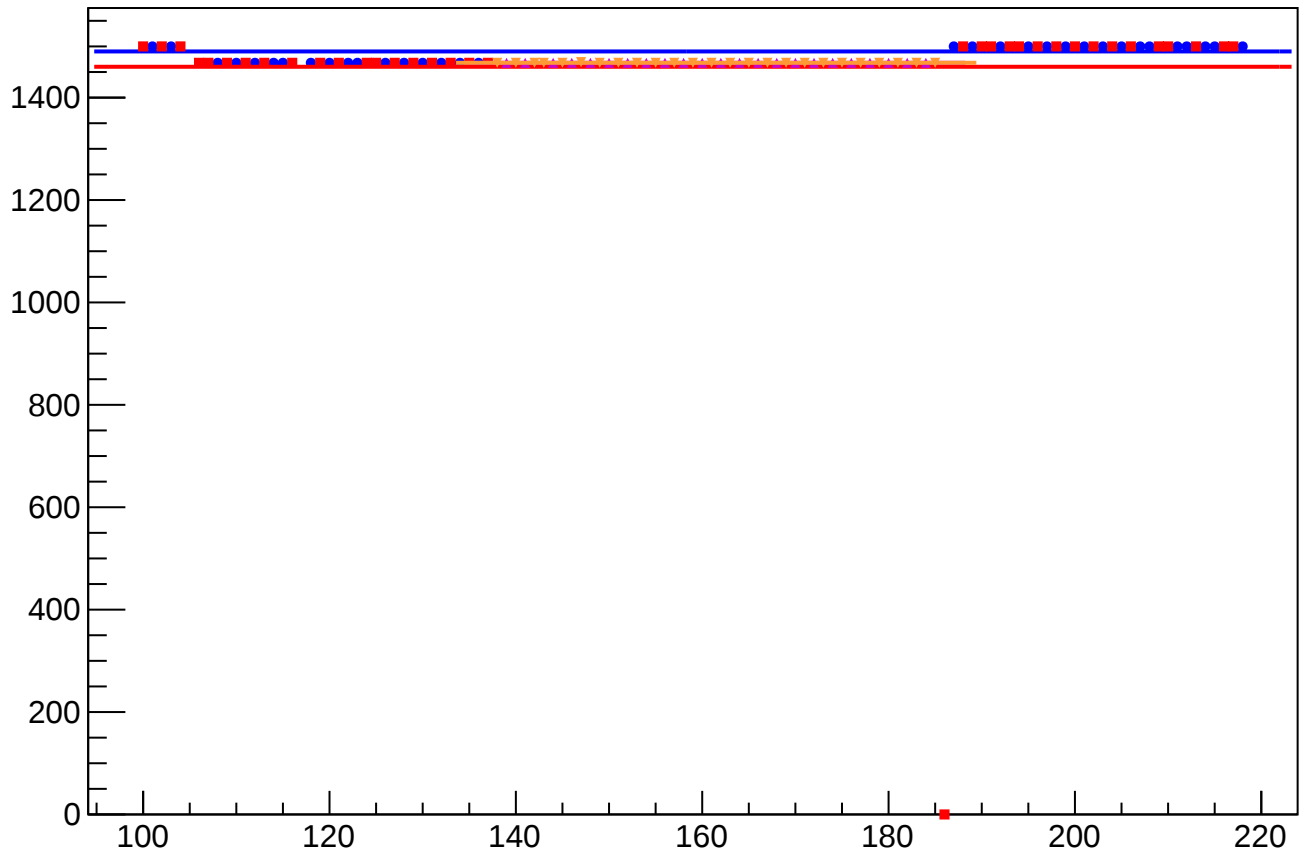
- sign 1.704 $\pm$ 0.000 χ^2 /NDF: 29608013415285623

epics_HWienAngles_mean vs Slug



Right In: -29.436+/-0.000 χ^2/NDF : 1160593559807579693386674196185088.0/32
 Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24 + sign -29.539+/-0.000 χ^2/NDF : 1200006899999998
 Right Out: -29.445+/-0.000 χ^2/NDF : 1144189218115548418686787784802304.0/35 All: -29.540+/-0.000 χ^2/NDF : 237972592360
 Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22 - sign -29.540+/-0.000 χ^2/NDF : 1179718988861959

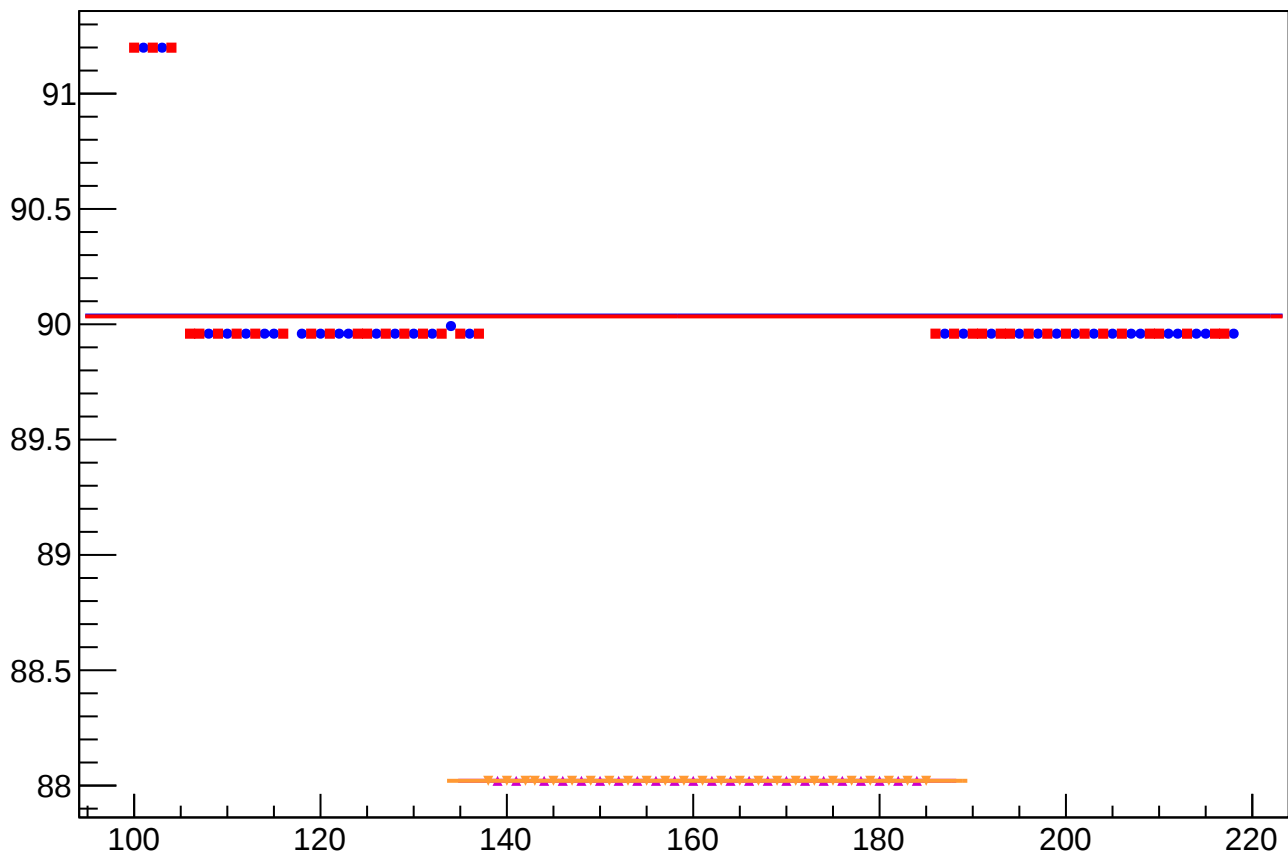
epics_psub_pl_poss_mean vs Slug



Right In: 1490.194+/-0.000 χ^2/NDF : 407610350175248982661682126838038528.0/32
Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24
Right Out: 1460.261+/-0.000 χ^2/NDF : 83084550532080441763917323777926496256.0/35
Left In: 1467.994+/-0.000 χ^2/NDF : 144497772795444989723550941184.0/22

+ sign 1479.021+/-0.000 χ^2/NDF : 87069641354437
All: 1471.568+/-0.000 χ^2/NDF : 8443357215
- sign 1463.997+/-0.000 χ^2/NDF : 83140057621000

epics_Phi_FGs_mean vs Slug



Right In: 90.038 $\pm$ 0.000 χ^2 /NDF: 169908093479848571479601073618944.0/32

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5679798.5/24

Right Out: 90.034 $\pm$ 0.000 χ^2 /NDF: 167591196251997947707525706022912.0/35

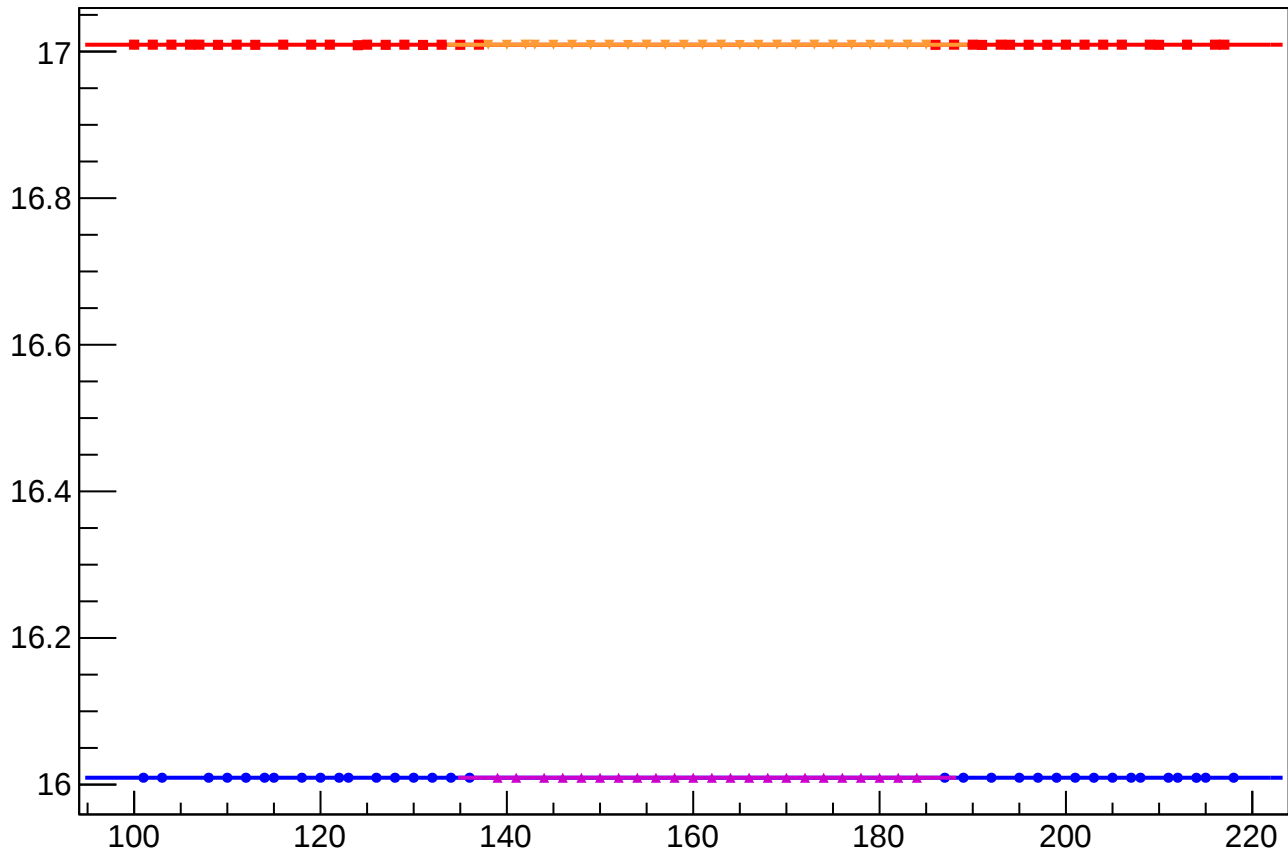
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6257169.0/22

+ sign 89.020 $\pm$ 0.000 χ^2 /NDF: 4010704547860887

All: 89.041 $\pm$ 0.000 χ^2 /NDF: 794443952648

- sign 89.061 $\pm$ 0.000 χ^2 /NDF: 3930572617141490

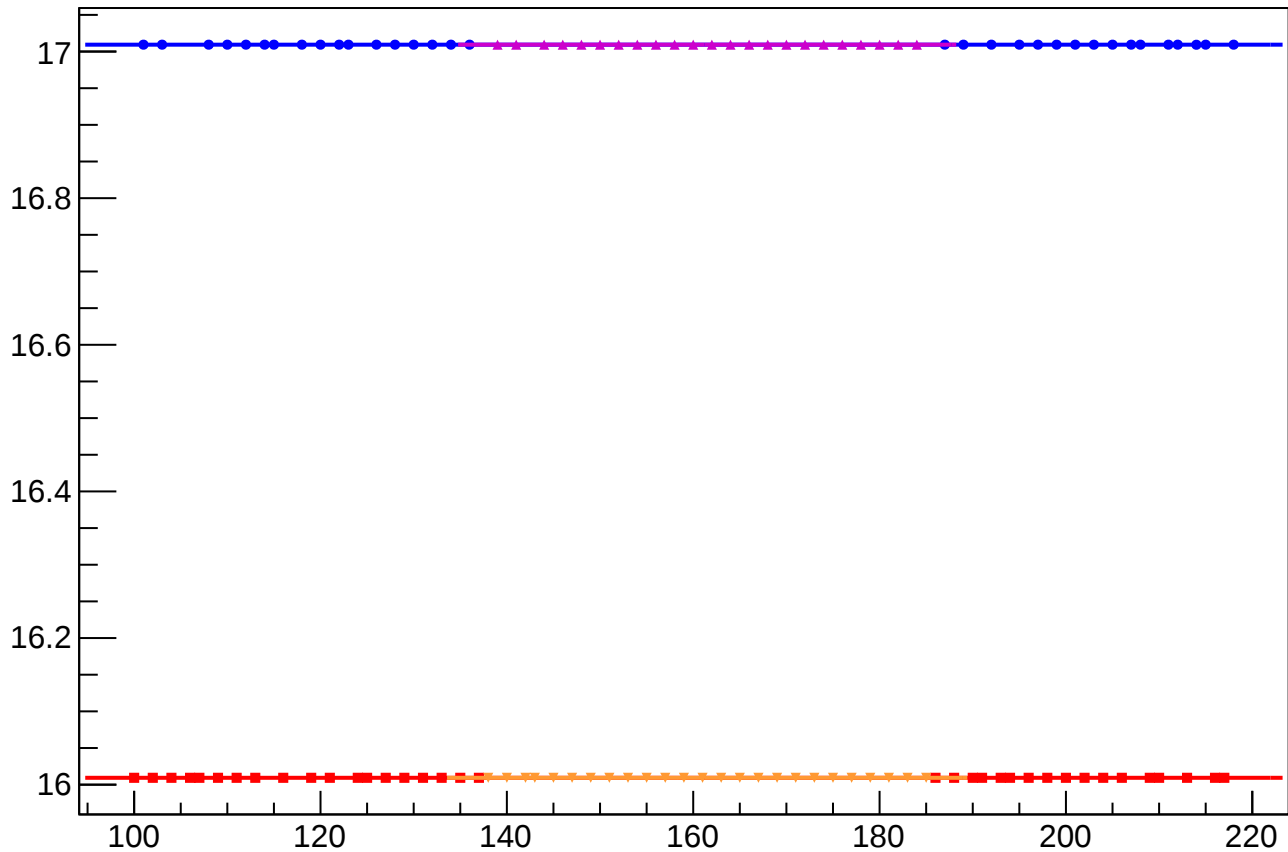
epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 848176574808054814474240.0/32
 Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24
 Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 21266940513498798774812672.0/35
 Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.500 $\pm$ 0.000 χ^2 /NDF: 9017335103152391
 All: 16.518 $\pm$ 0.000 χ^2 /NDF: 1781970923992
 - sign 16.536 $\pm$ 0.000 χ^2 /NDF: 8779292095796869

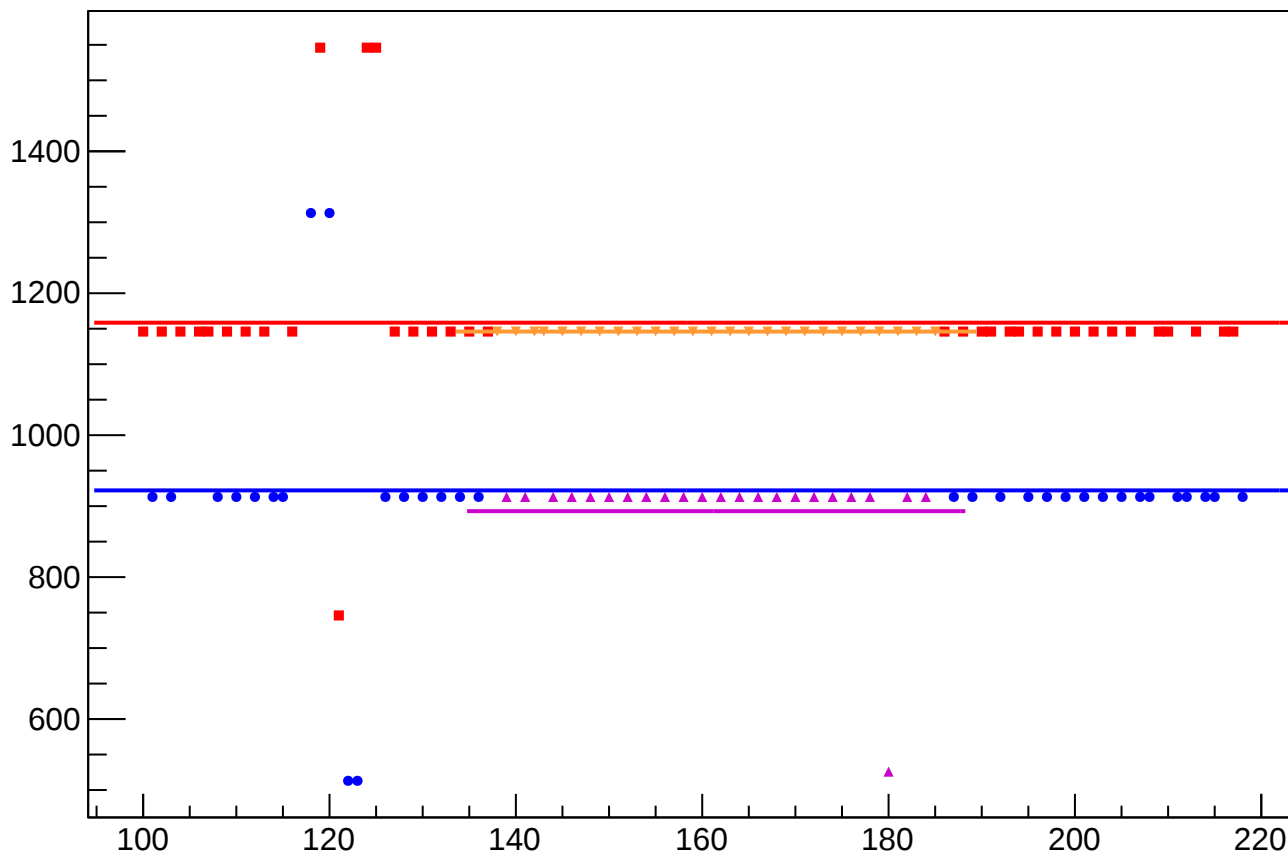
epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 848176574944934214238208.0/32
 Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 61253.5/24
 Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 314105.5/35
 Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 114986101427233622065152.0/22

+ sign 16.504 $\pm$ 0.000 χ^2 /NDF: 9298703915060357
 All: 16.495 $\pm$ 0.000 χ^2 /NDF: 184481290088
 - sign 16.487 $\pm$ 0.000 χ^2 /NDF: 9144343896130674

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 922.187 $\pm$ 0.000 χ^2/NDF : 21123242808677882740647052429353811968.0/32

Left Out: 1146.011 $\pm$ 0.000 χ^2/NDF : 8056834670270133849999540224.0/24

Right Out: 1158.503 $\pm$ 0.000 χ^2/NDF : 21780876698164695676768513289663545344.0/35

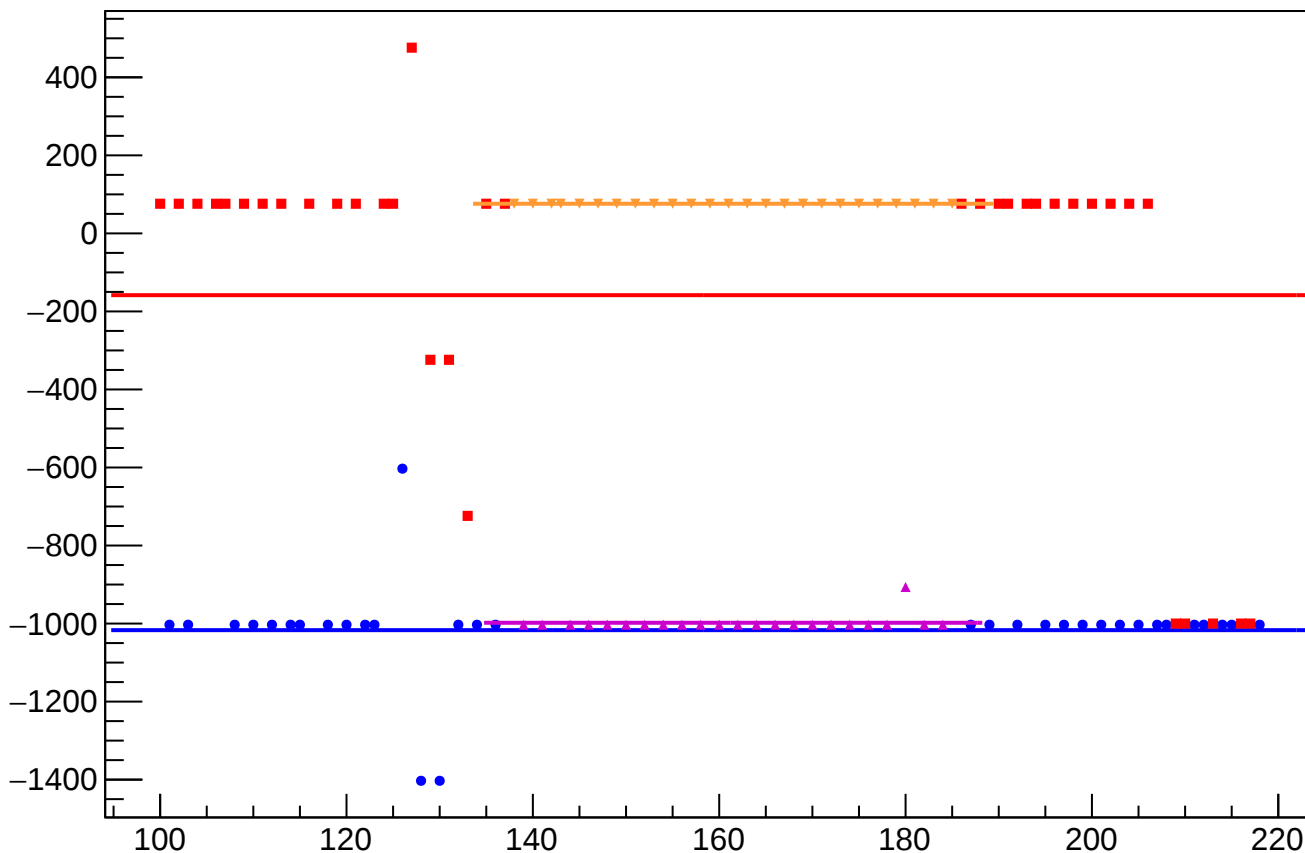
Left In: 892.950 $\pm$ 0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

All: 1032.669 $\pm$ 0.000 χ^2/NDF : 16890609762

+ sign 1035.107 $\pm$ 0.000 χ^2/NDF : 68411026015834

- sign 1030.192 $\pm$ 0.000 χ^2/NDF : 10044982415224

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1016.885+/-0.000 χ^2/NDF : 22838384514434722542388335364941021184.0/32

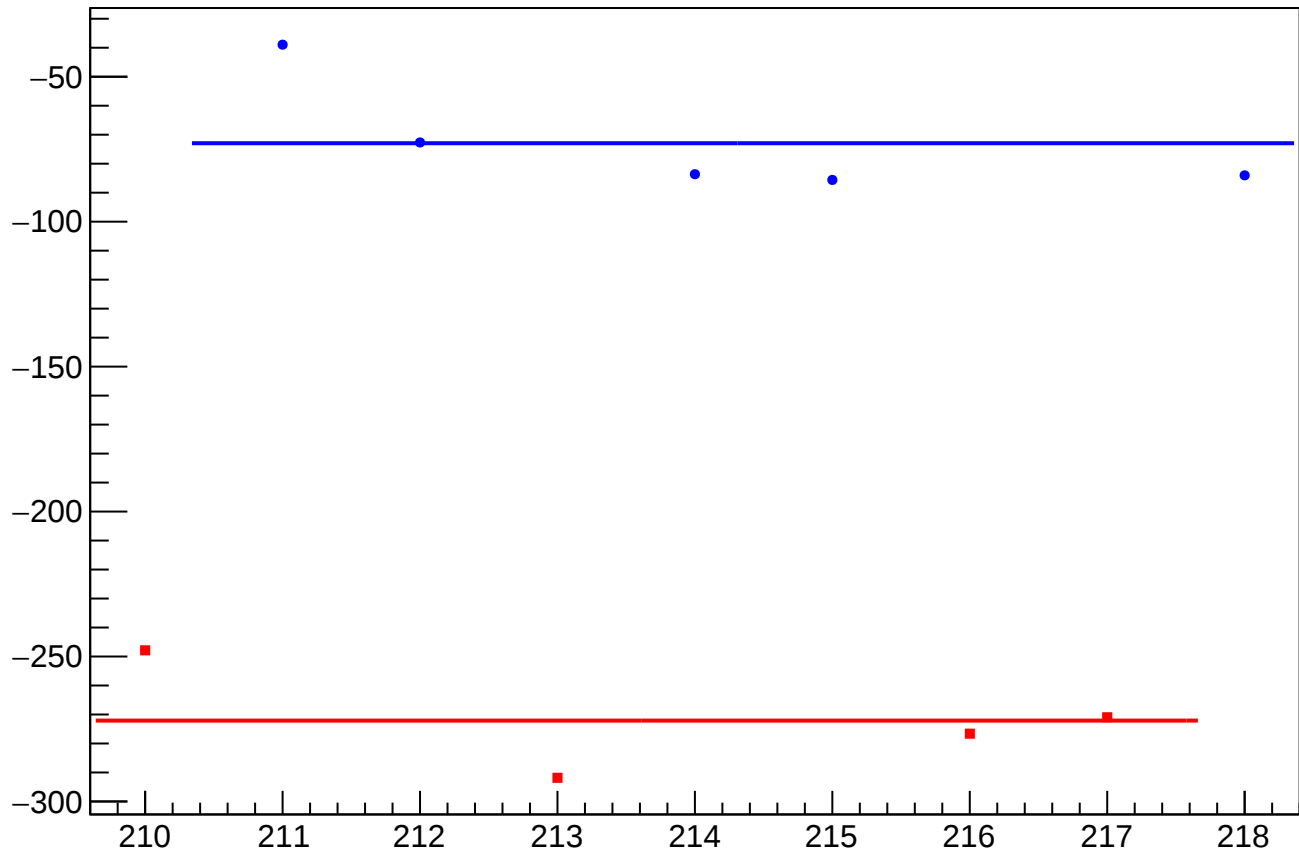
Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24

Right Out: -158.319+/-0.000 χ^2/NDF : 373405797022889796997473719334582878208.0/35

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22

All: -514.386+/-0.000 χ^2/NDF : 21970980422

epics_RTPPITA1CNTs_mean vs Slug



Right In: -72.945+/-0.000 χ^2/NDF : 119284685234098125759576533062647808.0/4

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

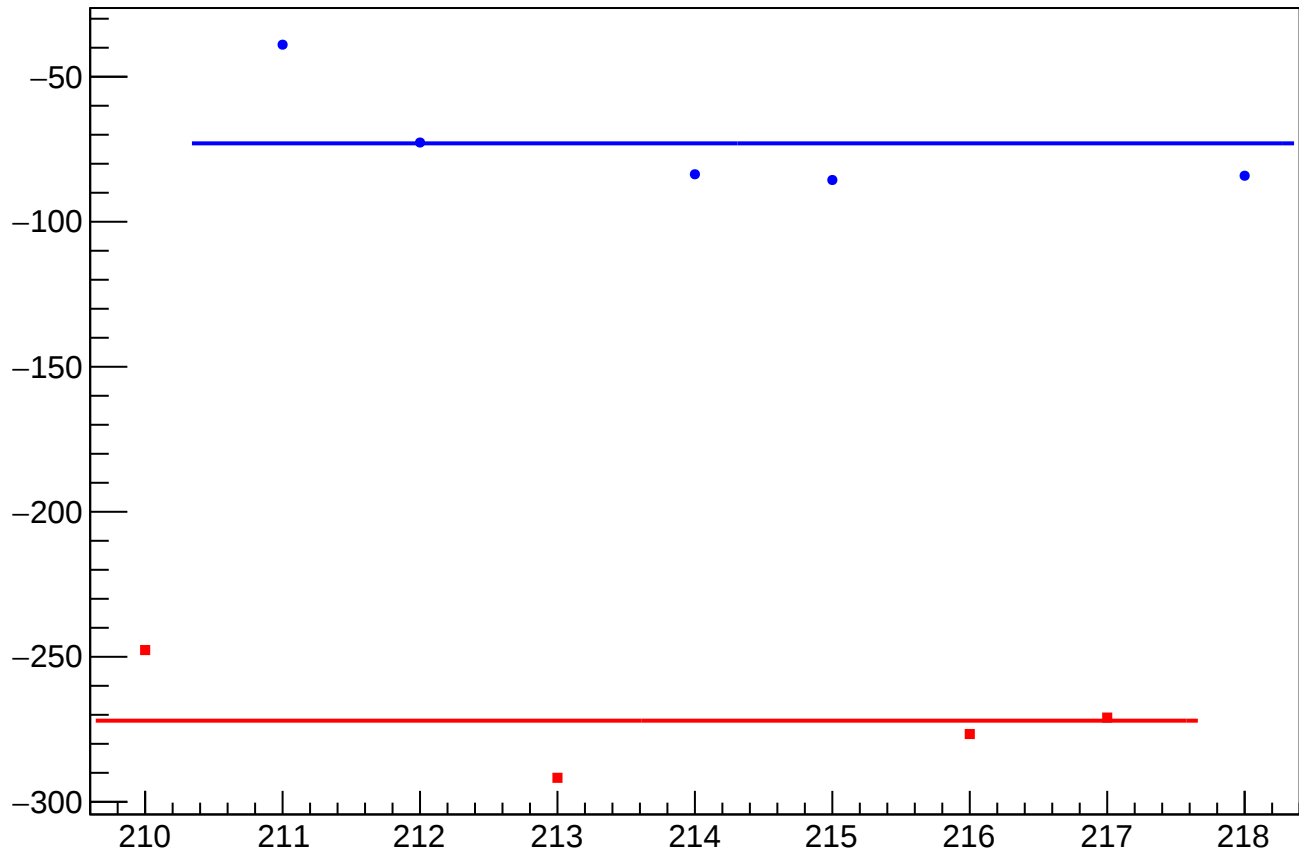
All: -160.220+/-0.000 χ^2/NDF : 68328623373

Right Out: -272.095+/-0.000 χ^2/NDF : 74128232206067453422165056045449216.0/3

- 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: -72.969+/-0.000 χ^2/NDF : 119488906189493343156944358768377856.0/4

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -160.199+/-0.000 χ^2/NDF : 68265774976

Right Out: -272.017+/-0.000 χ^2/NDF : 74430845004668100520381698914910208.0/3

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0