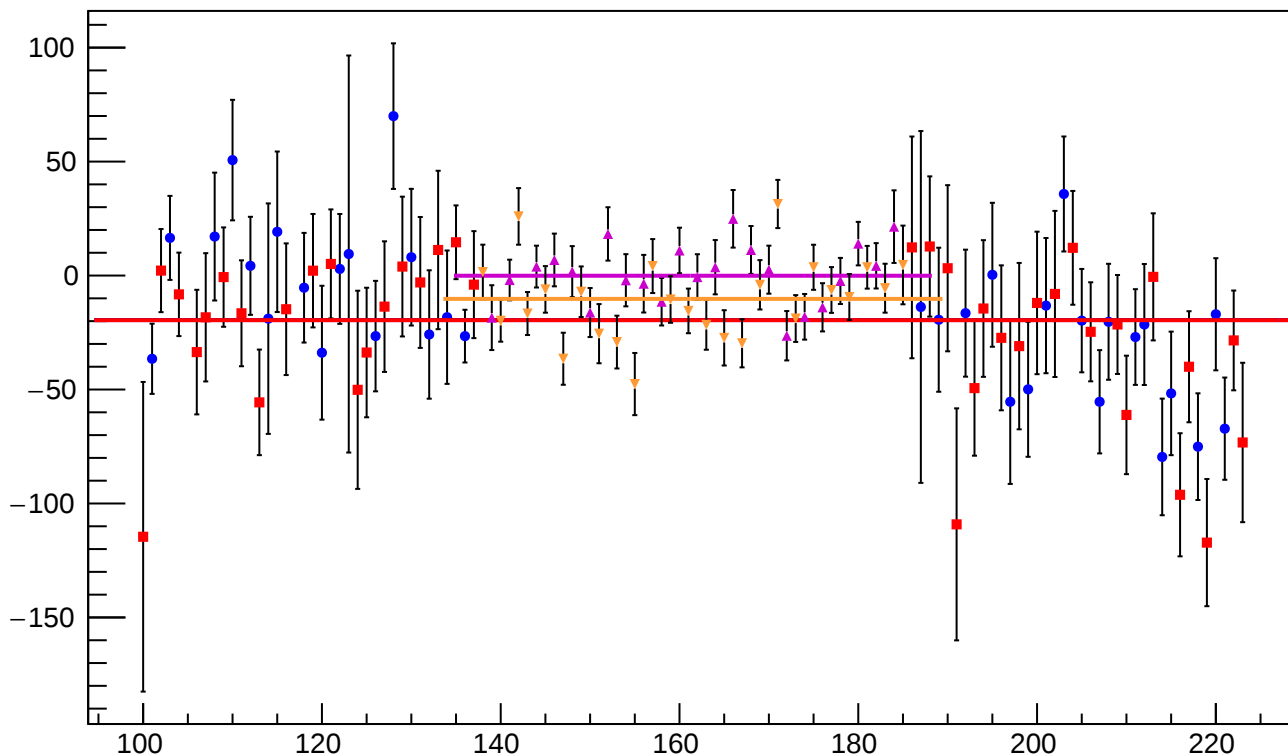


diff_bpm4aX_mean vs Slug



Right In: -19.524 ± 4.180

χ^2/NDF : 54.0/34

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -19.567 ± 4.258

χ^2/NDF : 51.1/38

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -12.210 ± 1.926

χ^2/NDF : 116.0/59

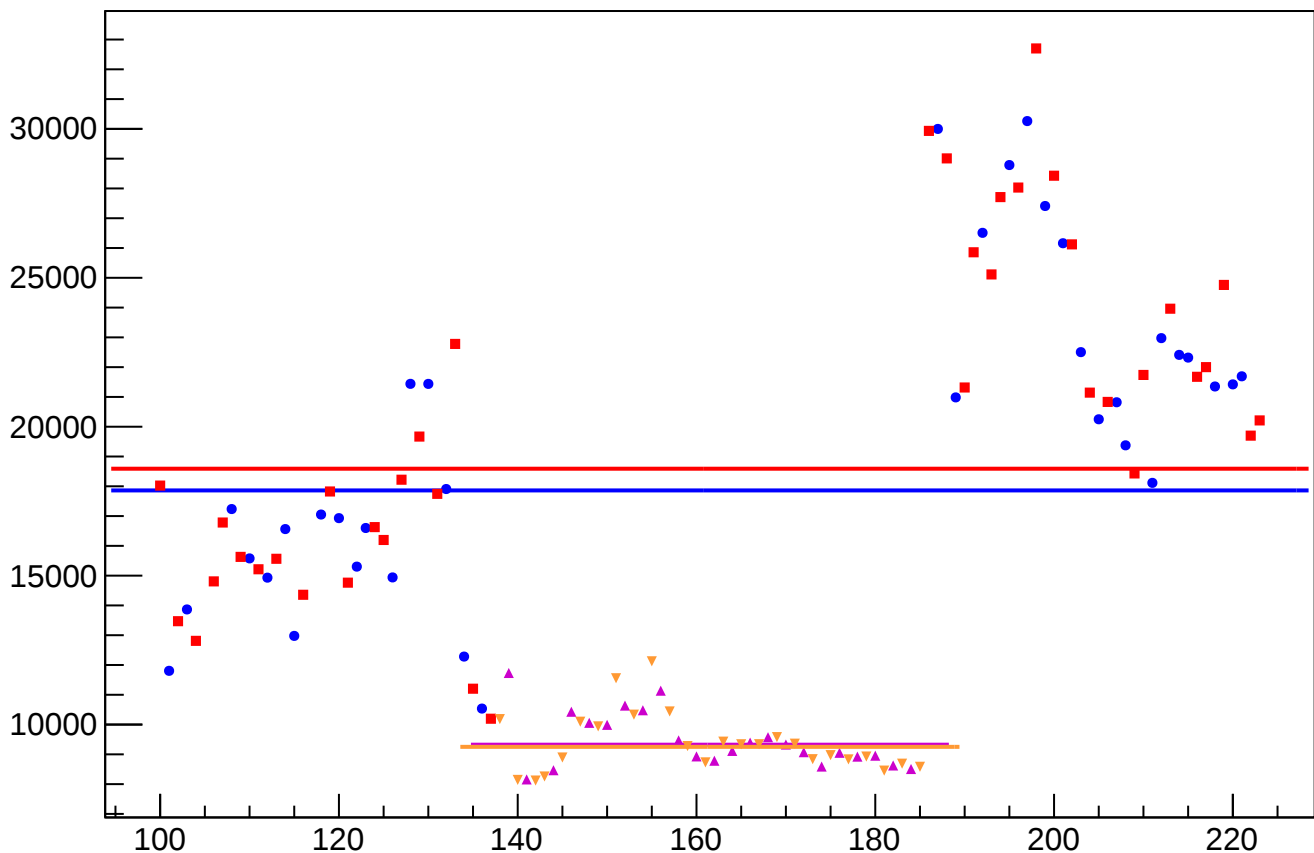
All: -8.401 ± 1.384

χ^2/NDF : 221.4/121

- sign -4.336 ± 1.990

χ^2/NDF : 97.3/61

diff_bpm4aX_rms vs Slug



Right In: 17861.174+/-2.956 χ^2/NDF : 3052070.0/34

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

Right Out: 18590.150+/-3.011 χ^2/NDF : 3086501.3/38

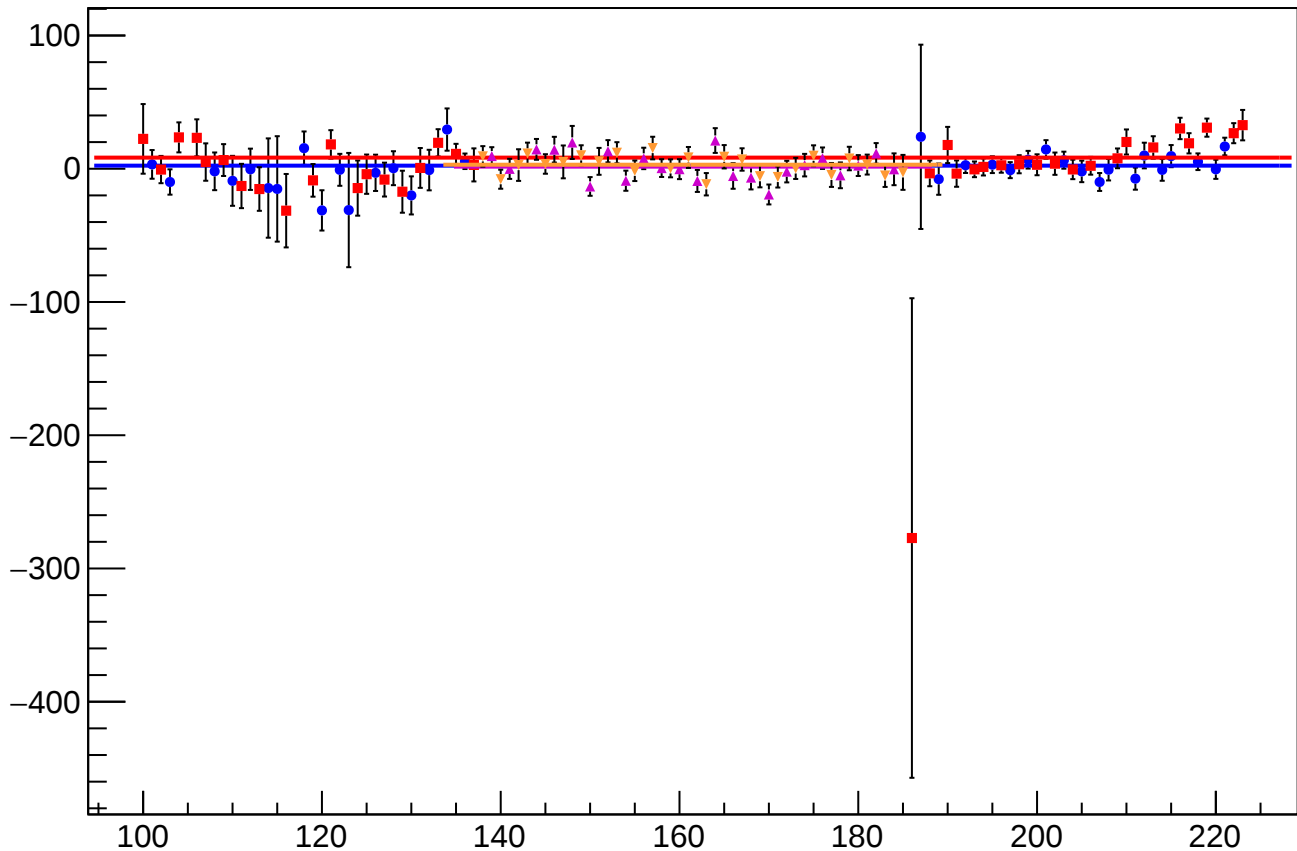
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

+ sign 11079.769+/-1.362 χ^2/NDF : 10067116.4/59

All: 11209.244+/-0.979 χ^2/NDF : 20851627.9

- sign 11347.408+/-1.407 χ^2/NDF : 10765830.5/61

diff_bpm4aY_mean vs Slug



Right In: 2.326 $\pm$ 1.509 χ^2 /NDF: 32.0/34

Left Out: 3.027 $\pm$ 1.661 χ^2 /NDF: 18.6/24

Right Out: 8.356 $\pm$ 1.501 χ^2 /NDF: 68.0/38

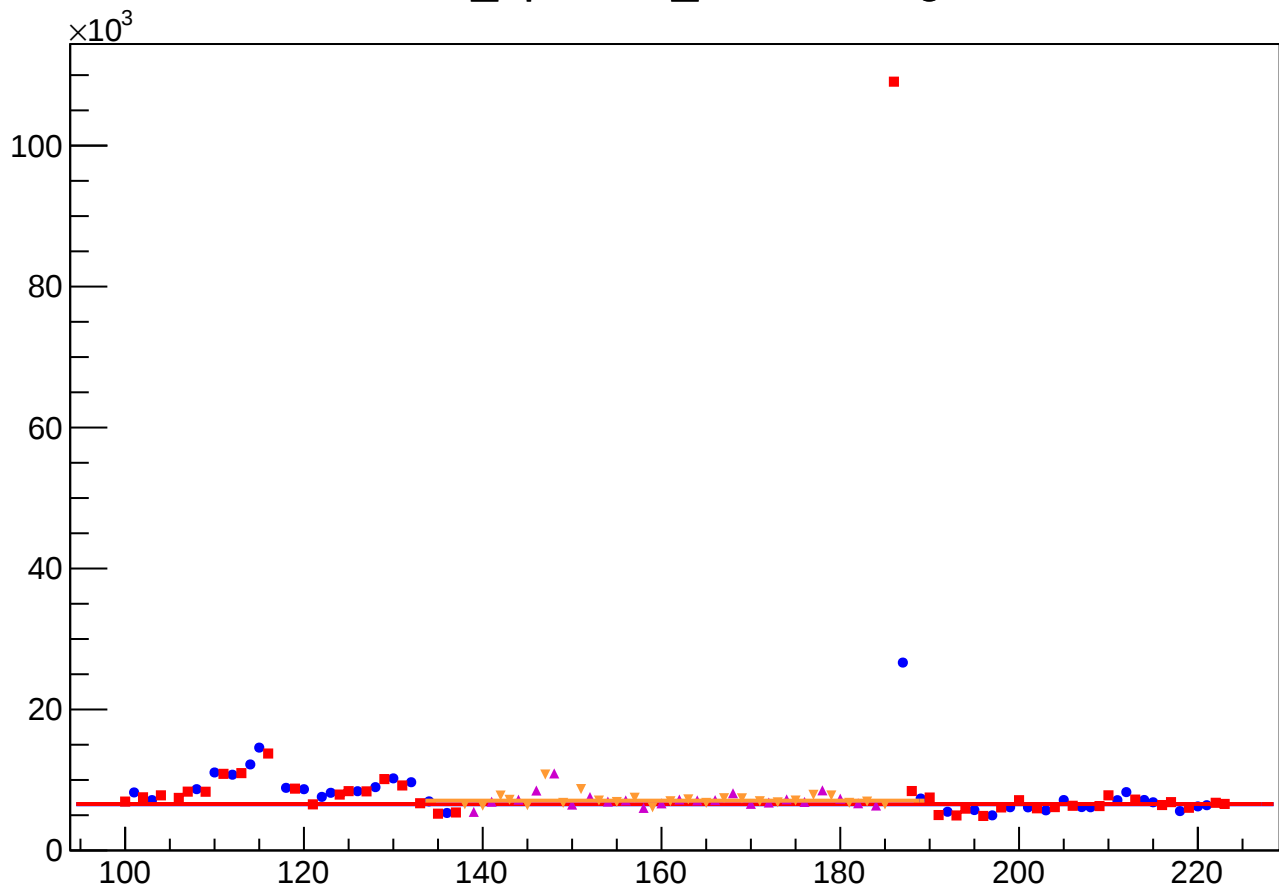
Left In: 1.588 $\pm$ 1.703 χ^2 /NDF: 35.5/22

+ sign 2.643 $\pm$ 1.117 χ^2 /NDF: 50.7/59

All: 4.009 $\pm$ 0.793 χ^2 /NDF: 166.1/121

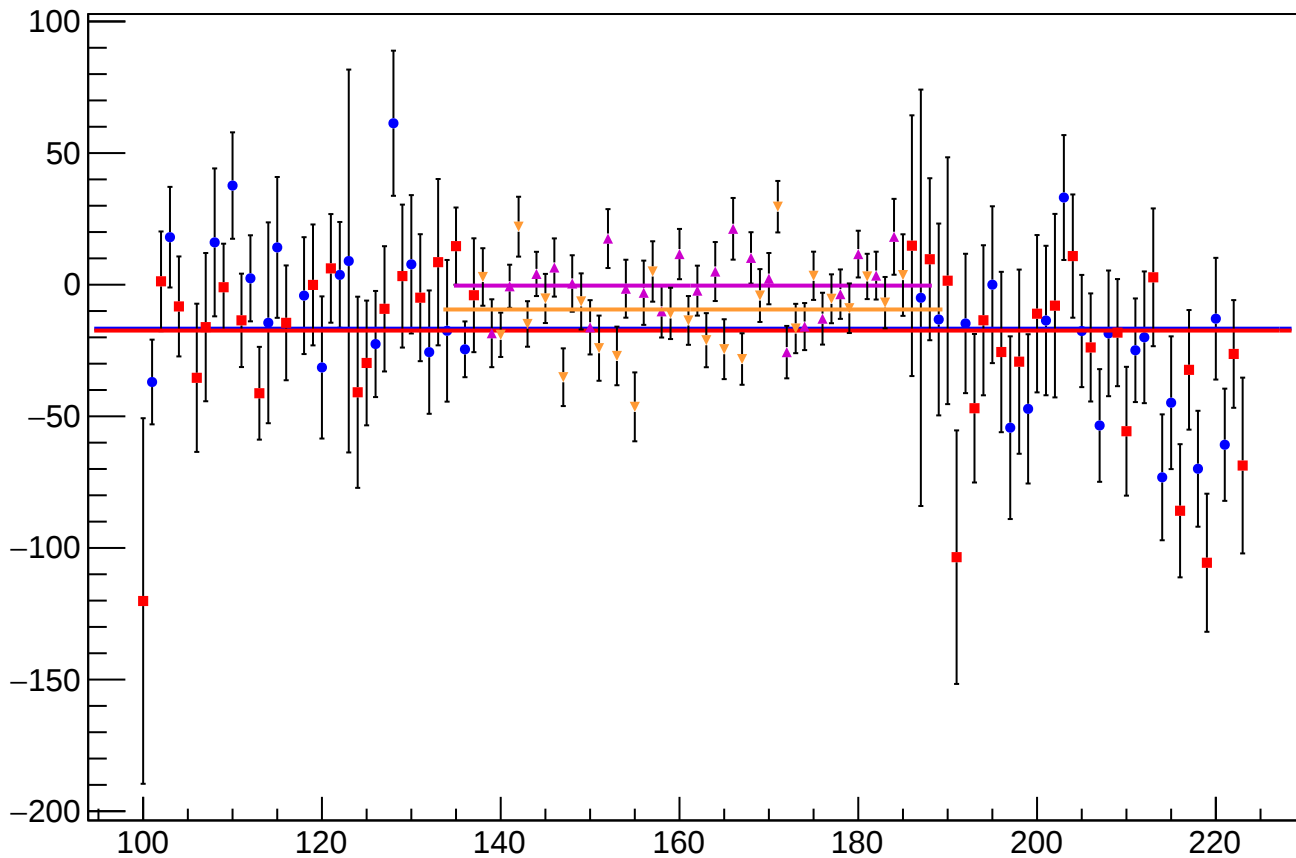
- sign 5.397 $\pm$ 1.126 χ^2 /NDF: 112.4/61

diff_bpm4aY_rms vs Slug



Right In: 6553.245 $\pm$ 1.067	χ^2/NDF : 1670720.5/34	+ sign 6784.497 $\pm$ 0.790	χ^2/NDF : 2161338.2/59
Left Out: 7064.457 $\pm$ 1.174	χ^2/NDF : 386814.9/24	All: 6779.656 $\pm$ 0.561	χ^2/NDF : 4925073.5/12
Right Out: 6588.388 $\pm$ 1.061	χ^2/NDF : 2167824.4/38	- sign 6774.737 $\pm$ 0.796	χ^2/NDF : 2763659.6/61
Left In: 7014.572 $\pm$ 1.204	χ^2/NDF : 525313.7/22		

diff_bpm4eX_mean vs Slug



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

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

Right Out: -17.420 ± 3.877 χ^2/NDF : 48.2/38

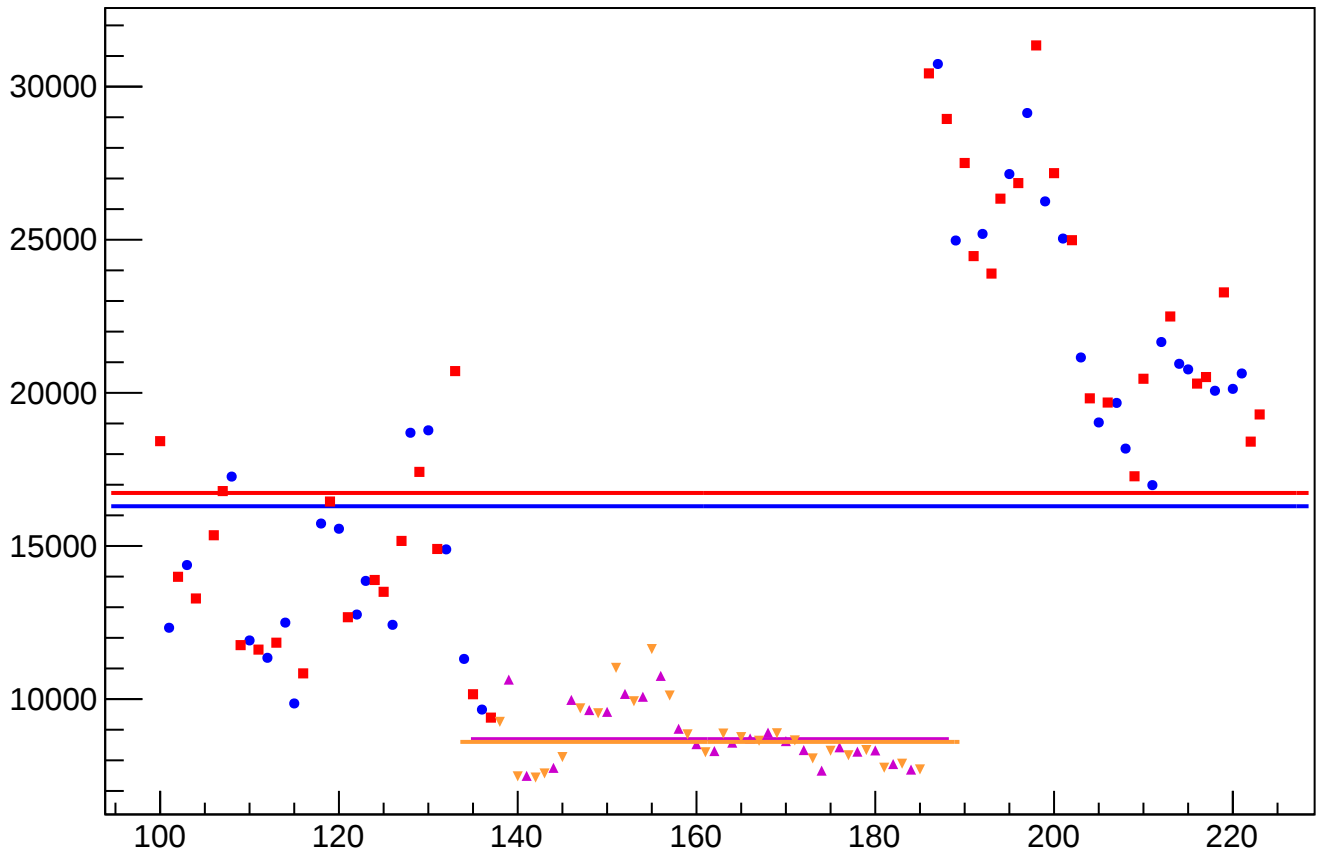
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

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

All: -7.716 ± 1.285 χ^2/NDF : 216.6/121

- sign -4.219 ± 1.847 χ^2/NDF : 93.2/61

diff_bpm4eX_rms vs Slug



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

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

Right Out: 16731.316 $\pm$ 2.742 χ^2 /NDF: 3946512.7/38

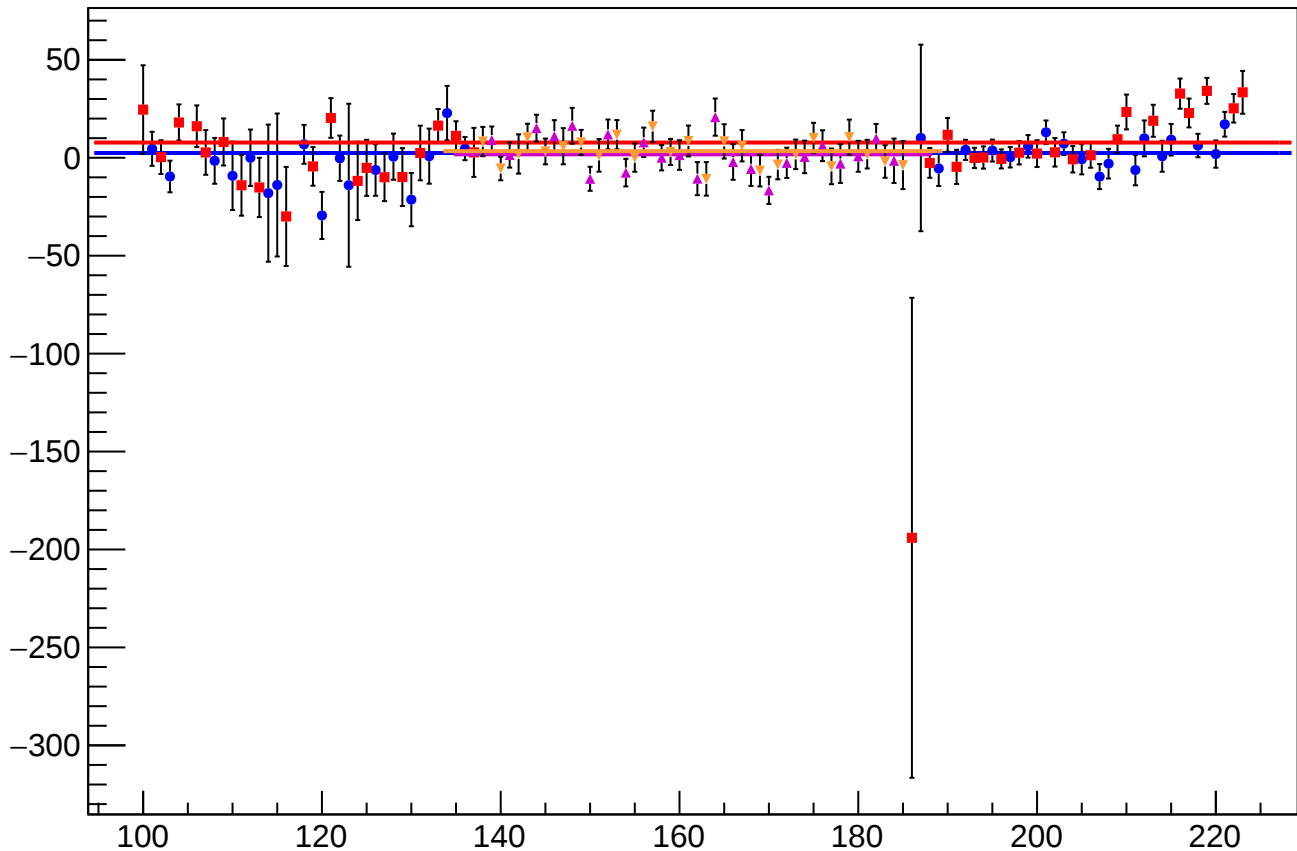
Left In: 8691.203 $\pm$ 1.485 χ^2 /NDF:365254.6/22

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

All: 10390.164 $\pm$ 0.908 χ^2 /NDF: 21293682.6

- sign 10515.508 $\pm$ 1.306 χ^2 /NDF: 10960609.1/61

diff_bpm4eY_mean vs Slug



Right In: 2.429 ± 1.378 χ^2/NDF : 34.6/34

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

Right Out: 7.770 ± 1.354 χ^2/NDF : 84.9/38

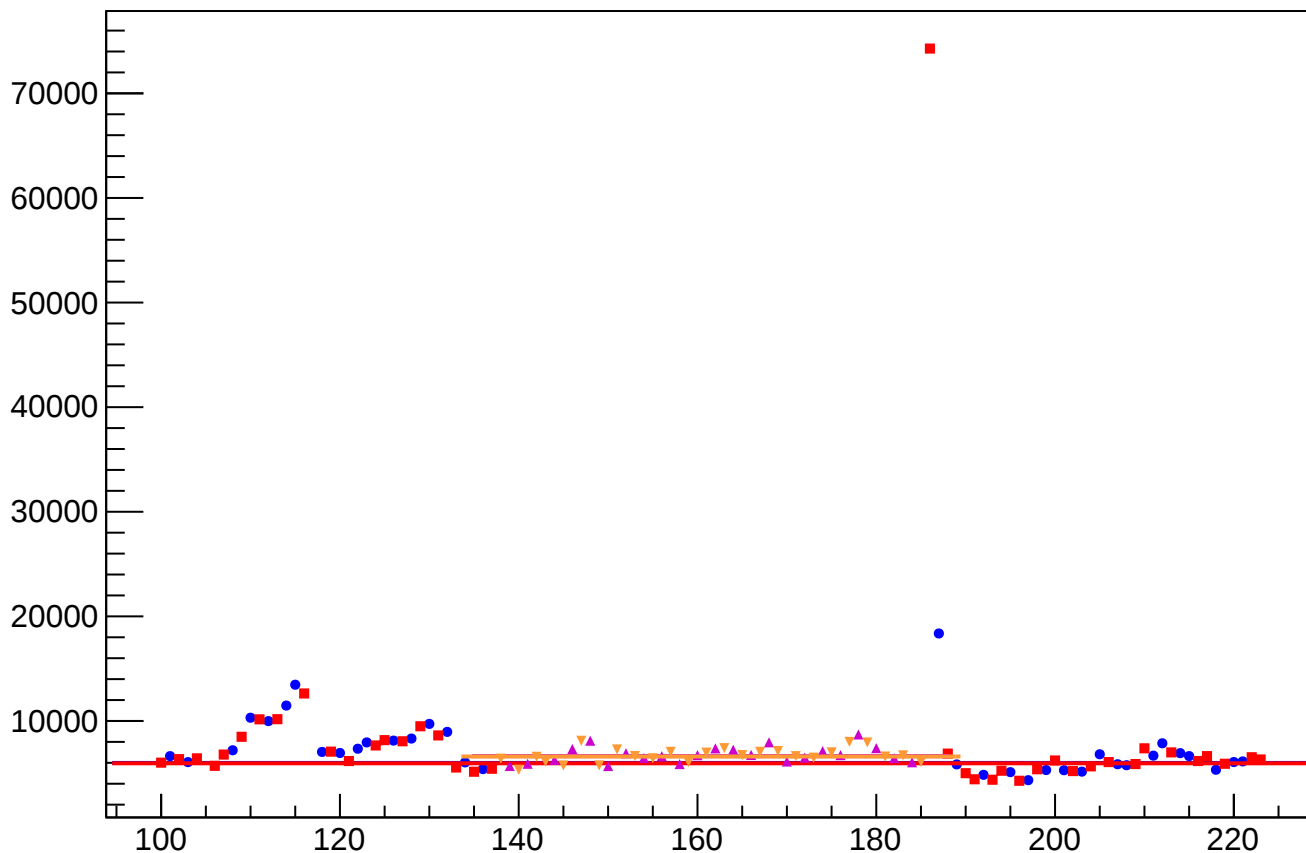
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.846 ± 1.030 χ^2/NDF : 52.0/59

All: 4.054 ± 0.730 χ^2/NDF : 181.4/121

- sign 5.274 ± 1.035 χ^2/NDF : 126.7/61

diff_bpm4eY_rms vs Slug



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

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

Right Out: 5952.600+/-0.957 χ^2/NDF : 2270406.4/38

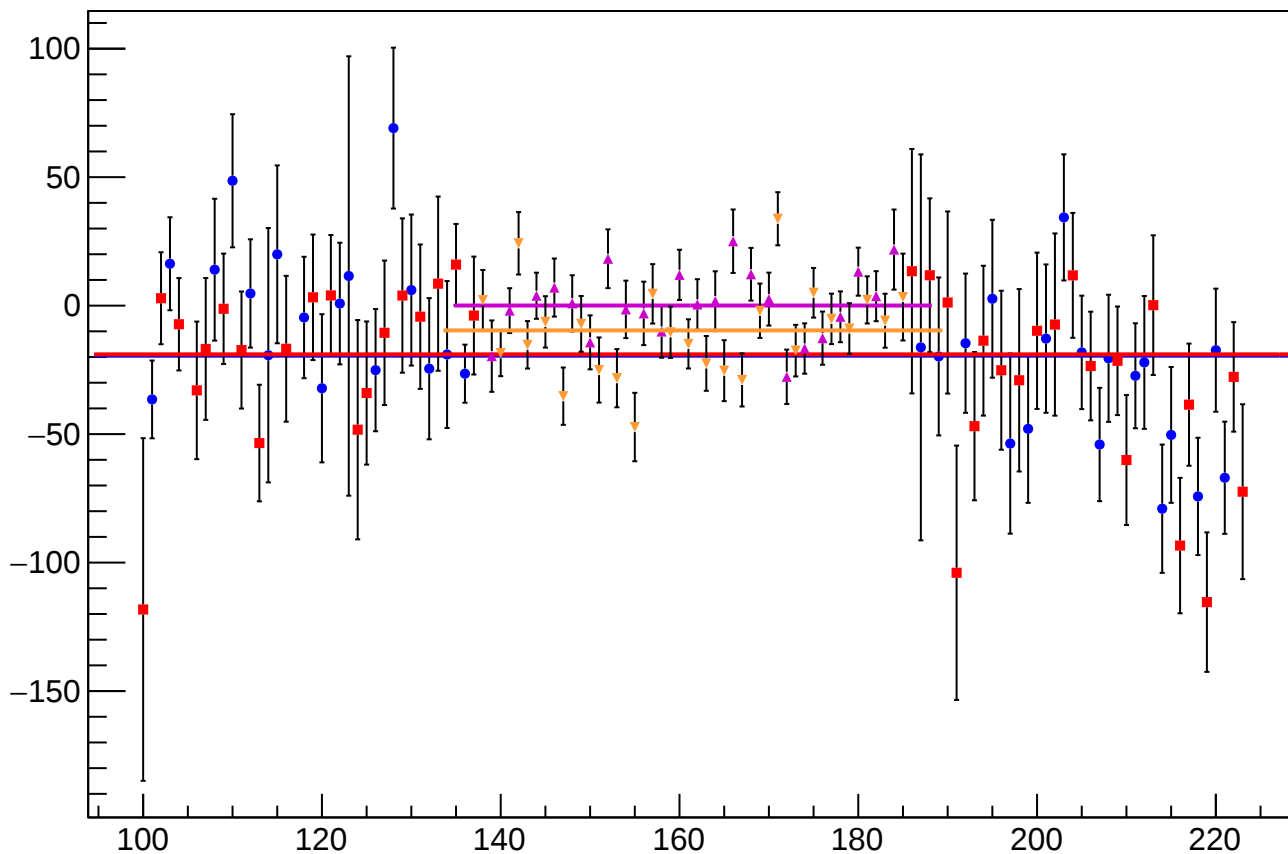
Left In: 6637.155+/-1.136 χ^2/NDF : 415547.5/22

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

All: 6248.071+/-0.516 χ^2/NDF : 5140820.8/12

- sign 6236.781+/-0.732 χ^2/NDF : 2898216.7/61

diff_bpm4acX_mean vs Slug



Right In: -19.467 ± 4.085 $\chi^2/\text{NDF}: 54.4/34$

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

Right Out: -18.960 ± 4.161 $\chi^2/\text{NDF}: 51.7/38$

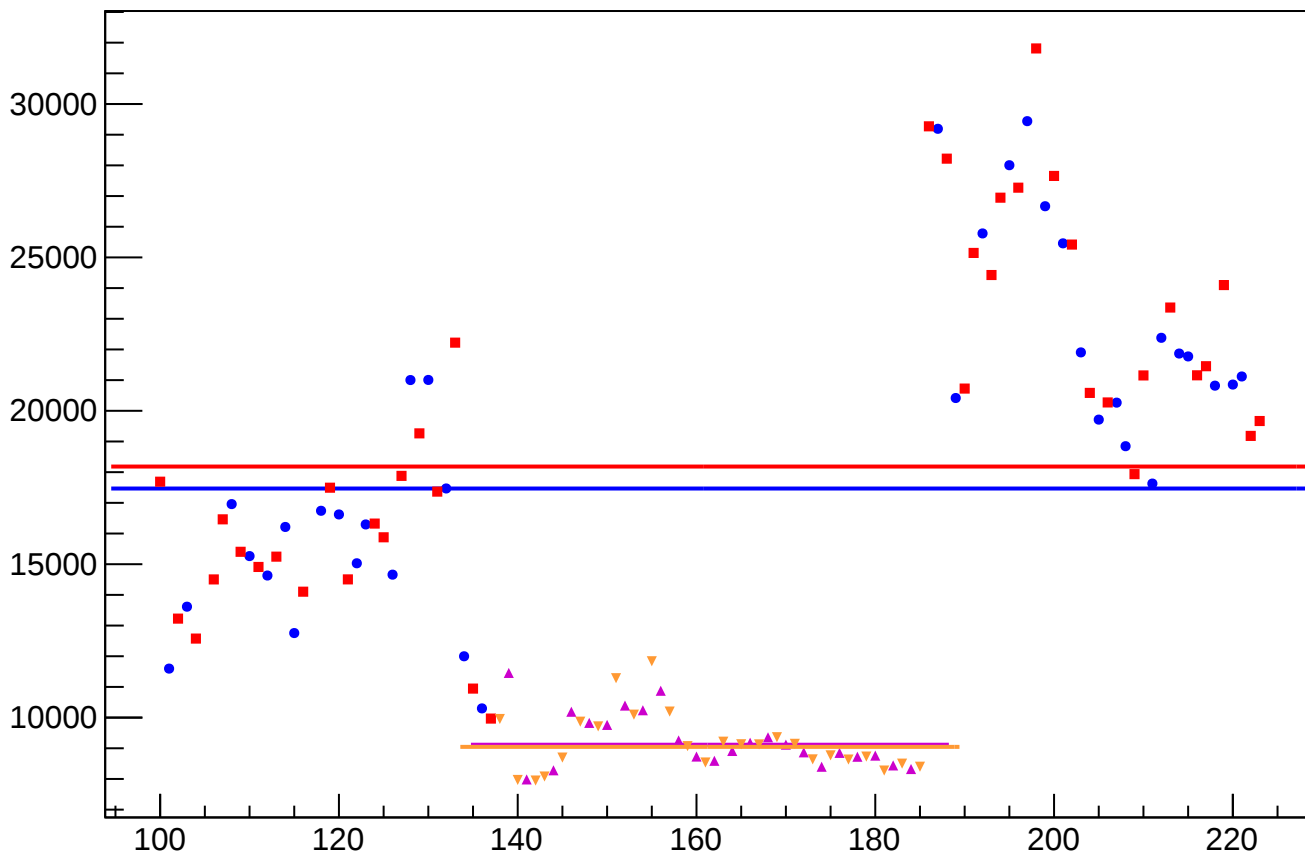
Left In: 0.042 ± 2.200 $\chi^2/\text{NDF}: 30.8/22$

+ sign -11.728 ± 1.883 $\chi^2/\text{NDF}: 118.8/59$

All: -8.042 ± 1.353 $\chi^2/\text{NDF}: 225.5/121$

- sign -4.109 ± 1.945 $\chi^2/\text{NDF}: 98.7/61$

diff_bpm4acX_rms vs Slug



Right In: 17466.865 ± 2.888 $\chi^2/\text{NDF}: 2999393.9/34$

Left Out: 9045.871 ± 1.500 $\chi^2/\text{NDF}: 328508.5/24$

Right Out: 18183.225 ± 2.943 $\chi^2/\text{NDF}: 3028419.6/38$

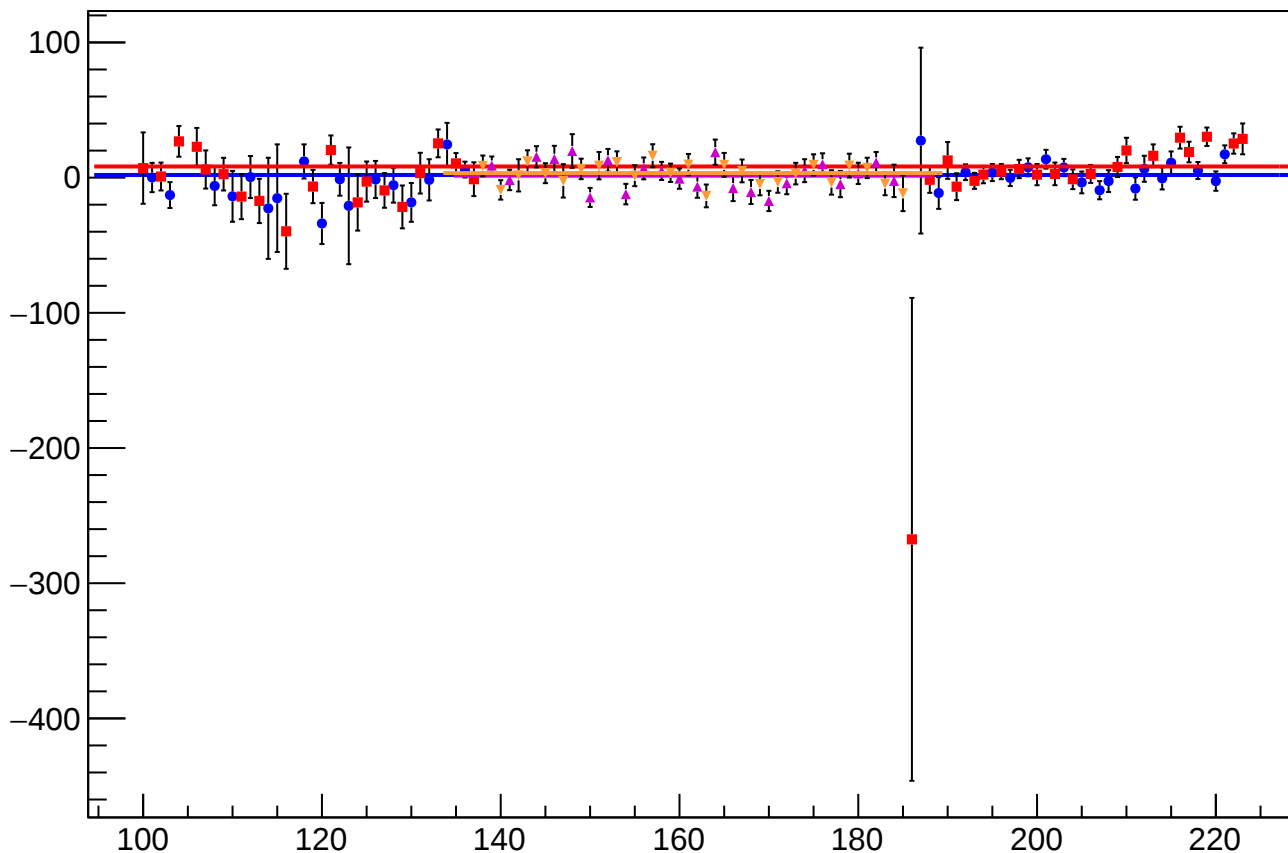
Left In: 9115.817 ± 1.556 $\chi^2/\text{NDF}: 272471.8/22$

+ sign 10835.106 ± 1.331 $\chi^2/\text{NDF}: 10021766.7/59$

All: 10961.618 ± 0.957 $\chi^2/\text{NDF}: 20762156.7$

- sign 11096.619 ± 1.375 $\chi^2/\text{NDF}: 10721725.8/61$

diff_bpm4acY_mean vs Slug



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

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

Right Out: 8.256 ± 1.505 χ^2/NDF : 69.6/38

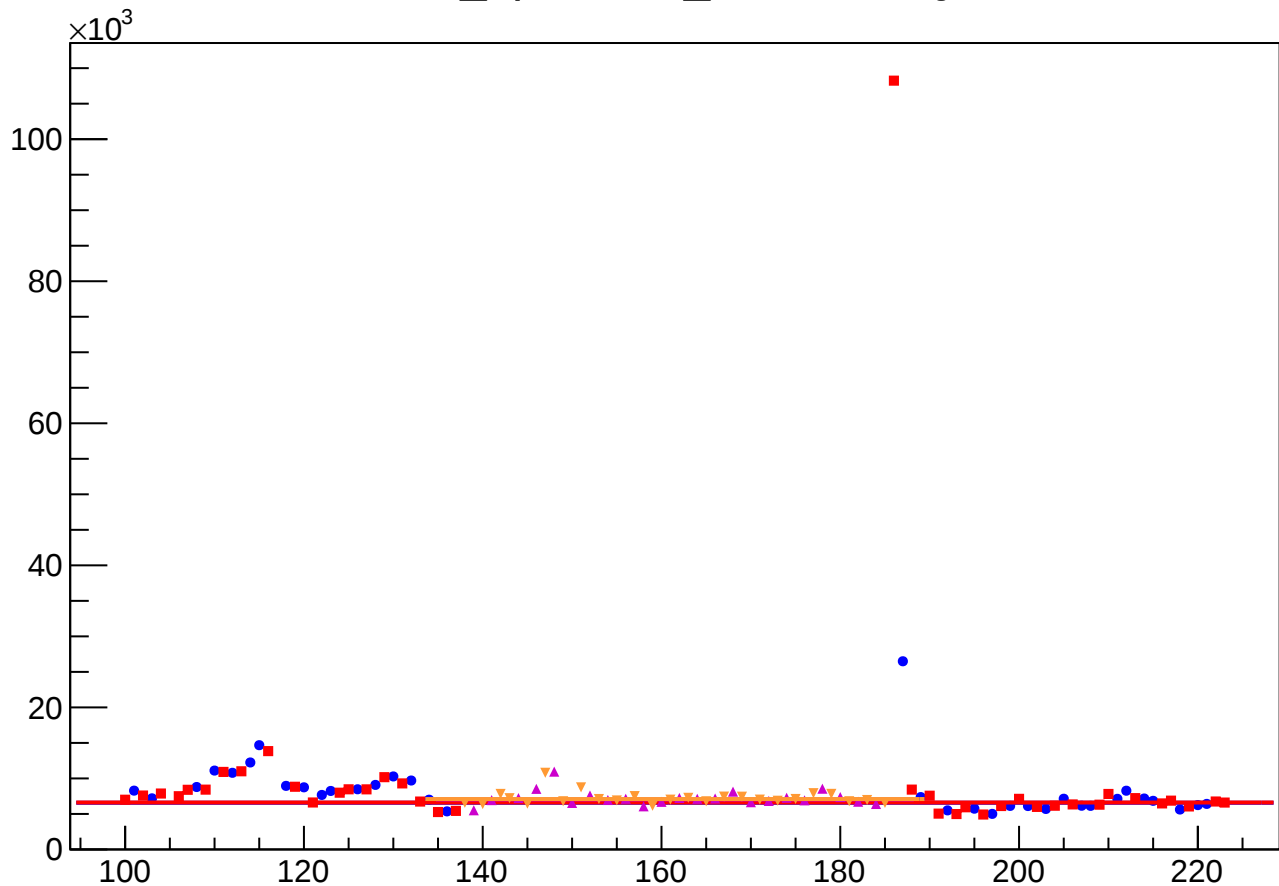
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

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

All: 3.942 ± 0.796 χ^2/NDF : 172.0/121

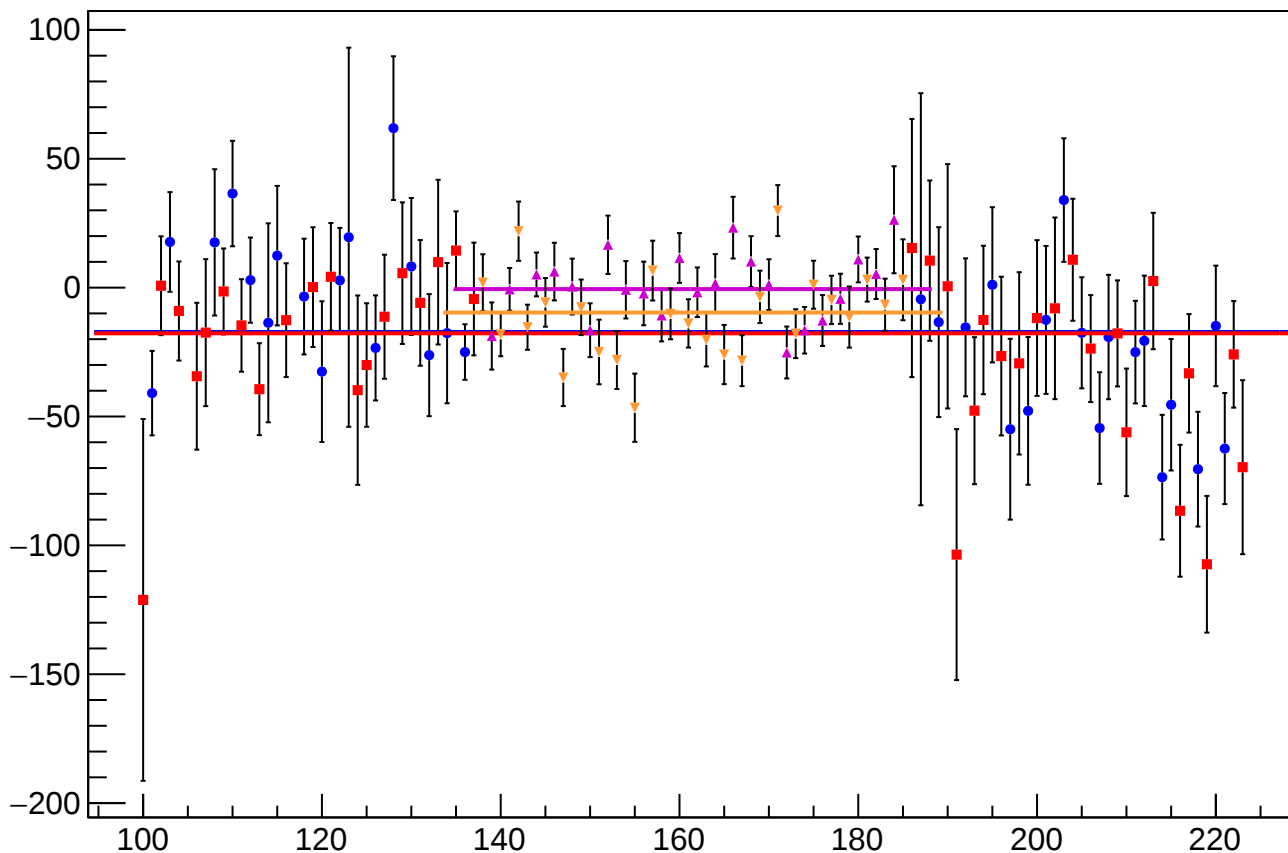
- sign 5.297 ± 1.130 χ^2/NDF : 115.2/61

diff_bpm4acY_rms vs Slug



Right In: 6572.135 ± 1.070 $\chi^2/\text{NDF}: 1675674.4/34$ + sign 6808.862 ± 0.793 $\chi^2/\text{NDF}: 2165972.2/59$
 Left Out: 7096.350 ± 1.179 $\chi^2/\text{NDF}: 381942.1/24$ All: 6804.873 ± 0.563 $\chi^2/\text{NDF}: 4929031.3/12$
 Right Out: 6609.849 ± 1.065 $\chi^2/\text{NDF}: 2171860.4/38$ - sign 6800.819 ± 0.799 $\chi^2/\text{NDF}: 2763008.0/61$
 Left In: 7047.269 ± 1.209 $\chi^2/\text{NDF}: 517433.5/22$

diff_bpm4ecX_mean vs Slug



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

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

Right Out: -17.727 ± 3.927 χ^2/NDF : 47.2/38

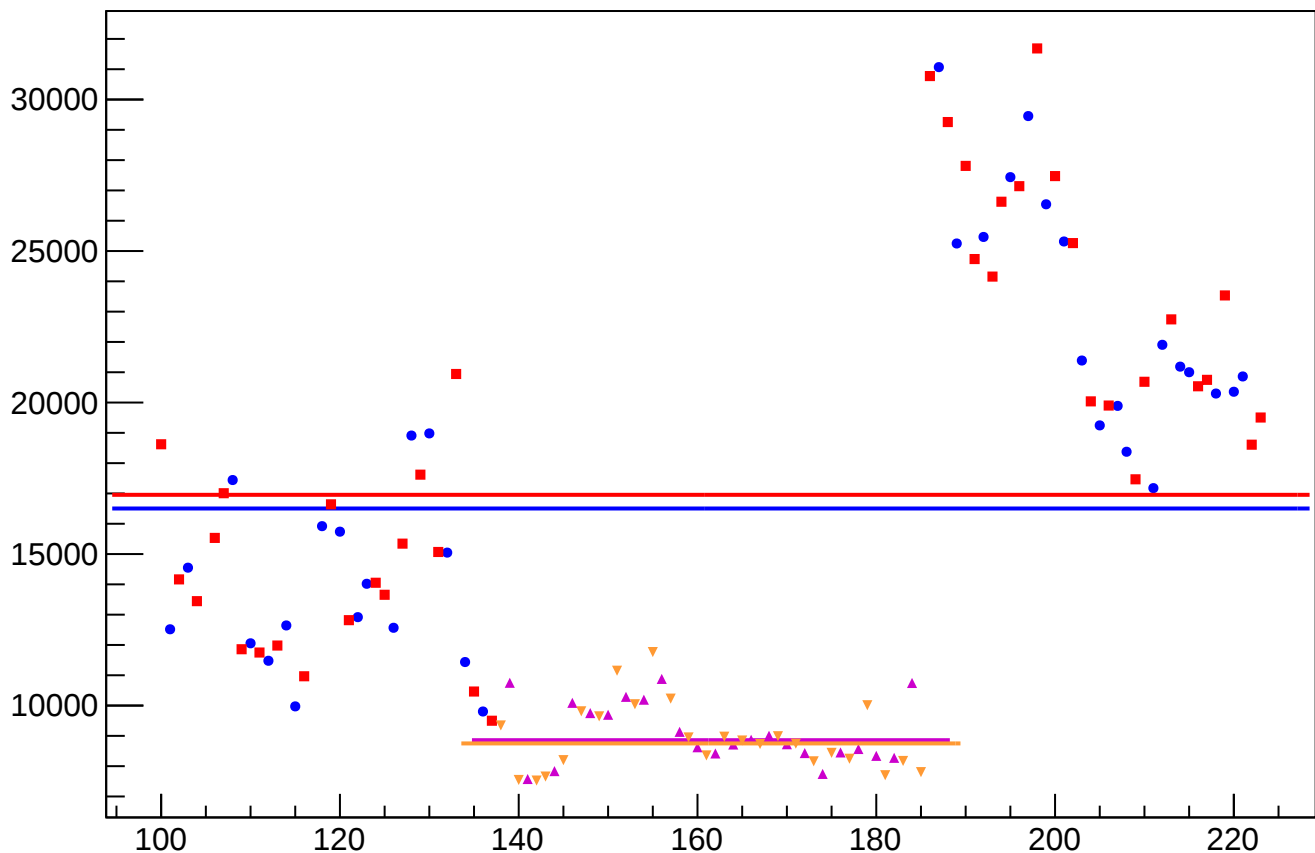
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

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

All: -8.028 ± 1.308 χ^2/NDF : 214.6/121

- sign -4.503 ± 1.882 χ^2/NDF : 91.7/61

diff_bpm4ecX_rms vs Slug



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

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

Right Out: 16954.785+/-2.777 χ^2/NDF : 3903509.9/38

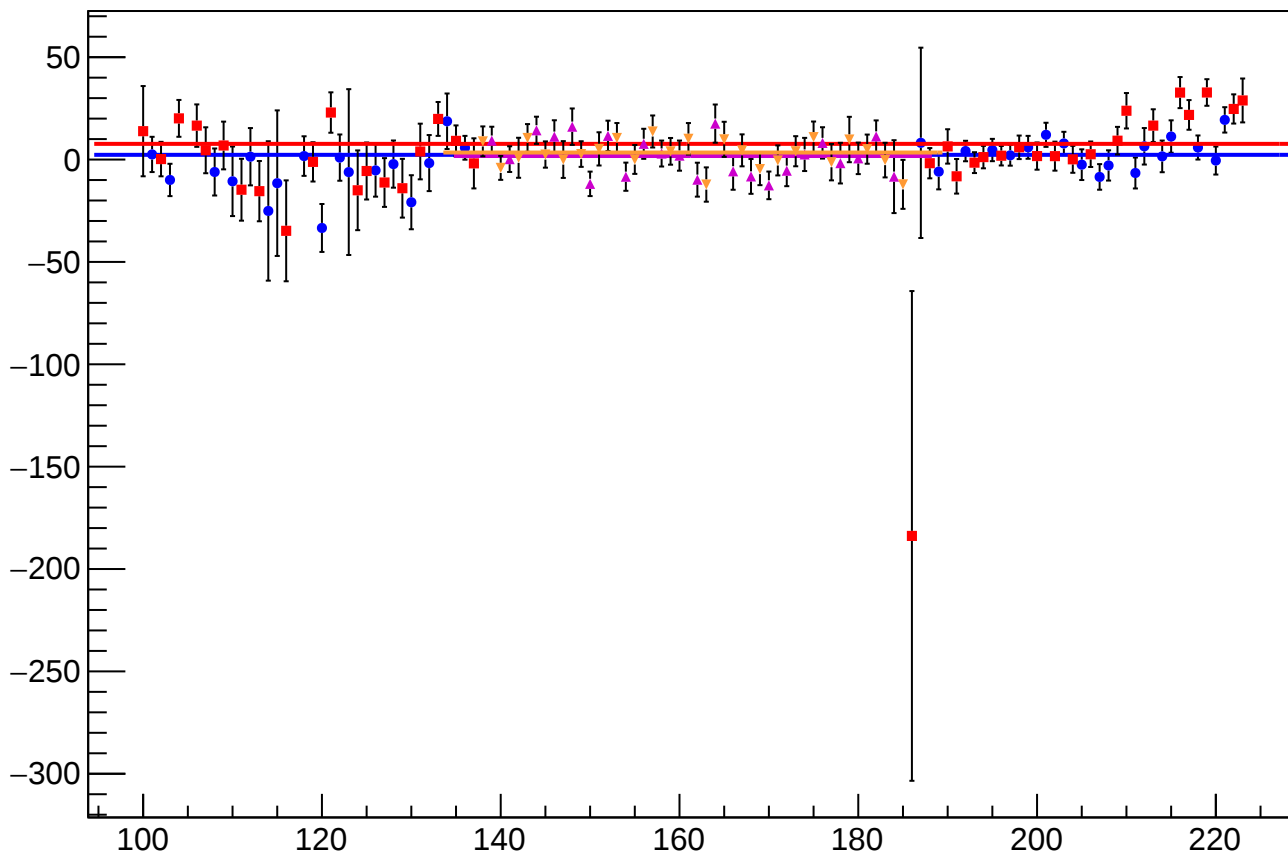
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

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

All: 10579.655+/-0.925 χ^2/NDF : 21069362.8

- sign 10715.983+/-1.331 χ^2/NDF : 10815594.7/61

diff_bpm4ecY_mean vs Slug



Right In: 2.307 ± 1.345 χ^2/NDF : 39.5/34

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

Right Out: 7.664 ± 1.321 χ^2/NDF : 85.9/38

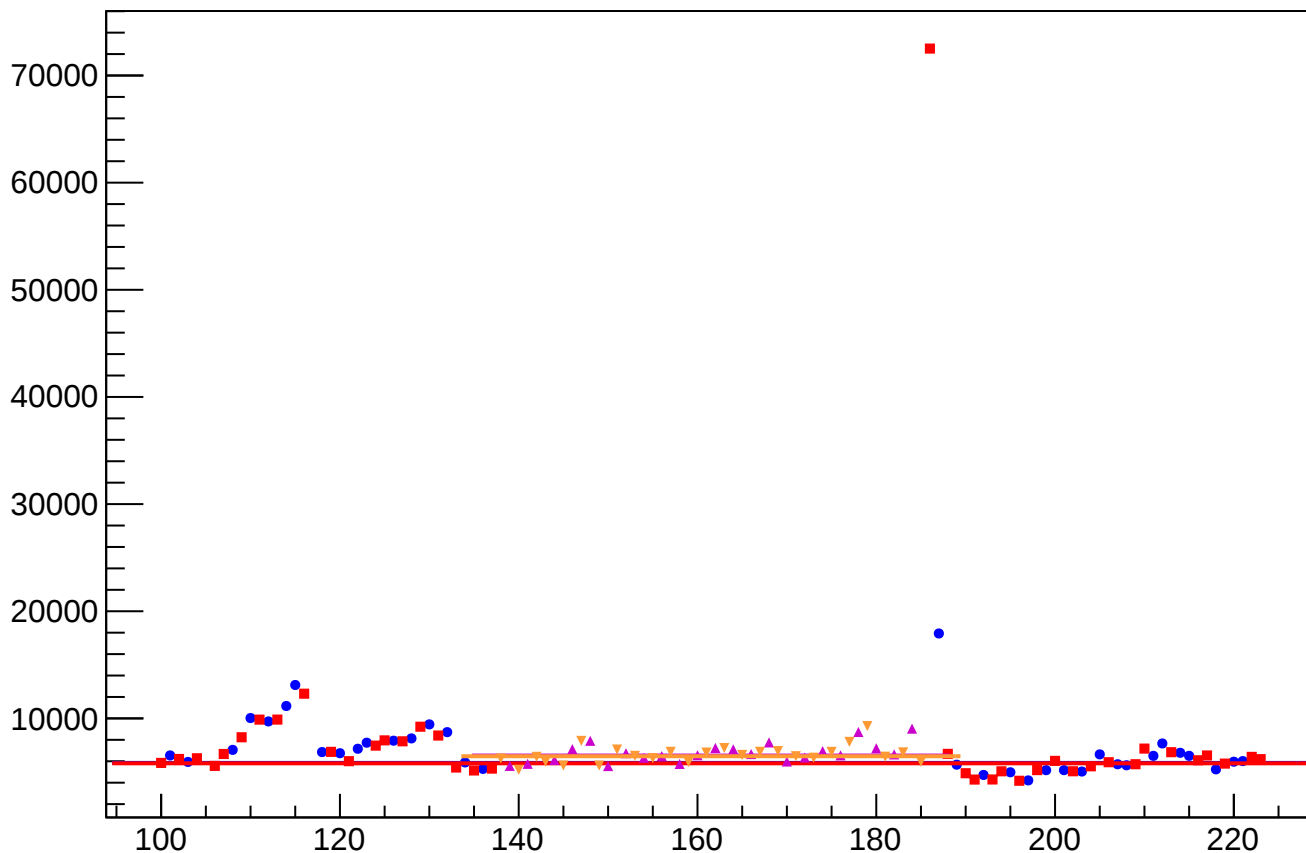
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 2.799 ± 1.009 χ^2/NDF : 56.0/59

All: 4.009 ± 0.716 χ^2/NDF : 186.6/121

- sign 5.234 ± 1.015 χ^2/NDF : 127.7/61

diff_bpm4ecY_rms vs Slug



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

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

Right Out: 5807.964+/-0.934 χ^2/NDF : 2268527.6/38

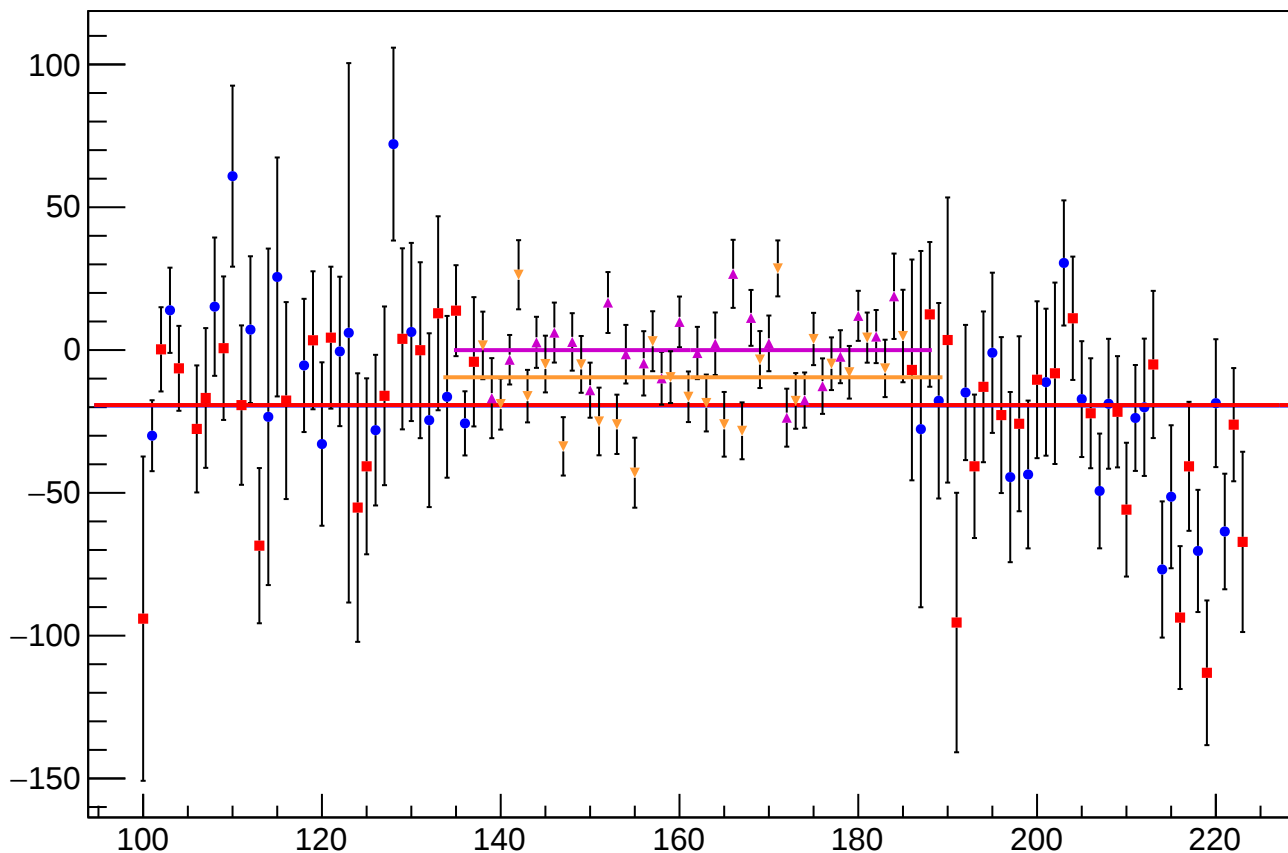
Left In: 6530.954+/-1.121 χ^2/NDF : 464668.6/22

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

All: 6111.069+/-0.506 χ^2/NDF : 5330113.5/12

- sign 6104.243+/-0.718 χ^2/NDF : 2978543.9/61

diff_bpm1X_mean vs Slug



Right In: -19.414 ± 3.889 χ^2/NDF : 53.6/34

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

Right Out: -19.256 ± 3.978 χ^2/NDF : 54.1/38

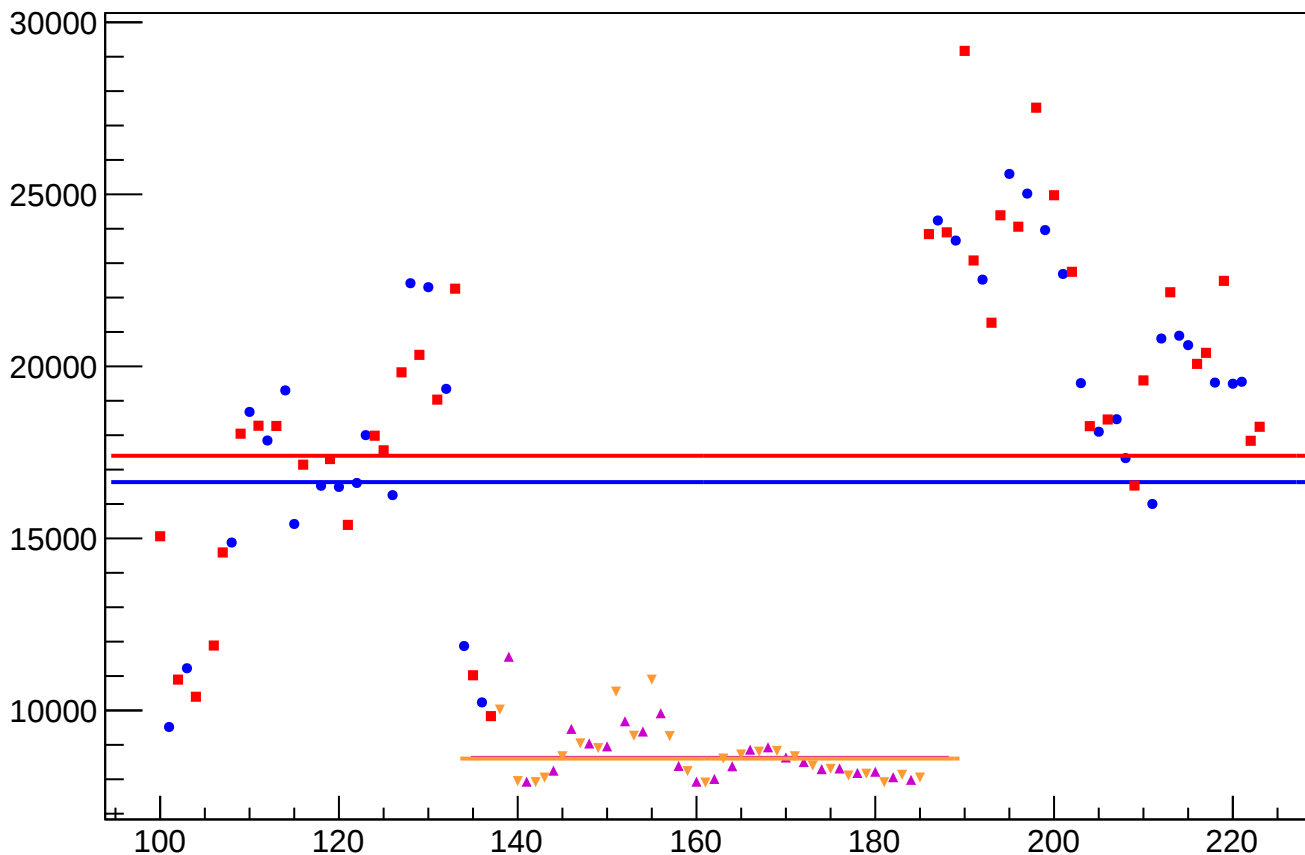
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -11.621 ± 1.789 χ^2/NDF : 118.2/59

All: -7.999 ± 1.284 χ^2/NDF : 229.0/121

- sign -4.155 ± 1.843 χ^2/NDF : 102.4/61

diff_bpm1X_rms vs Slug



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

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

Right Out: 17402.119 $\pm$ 2.813 χ^2 /NDF: 2927128.9/38

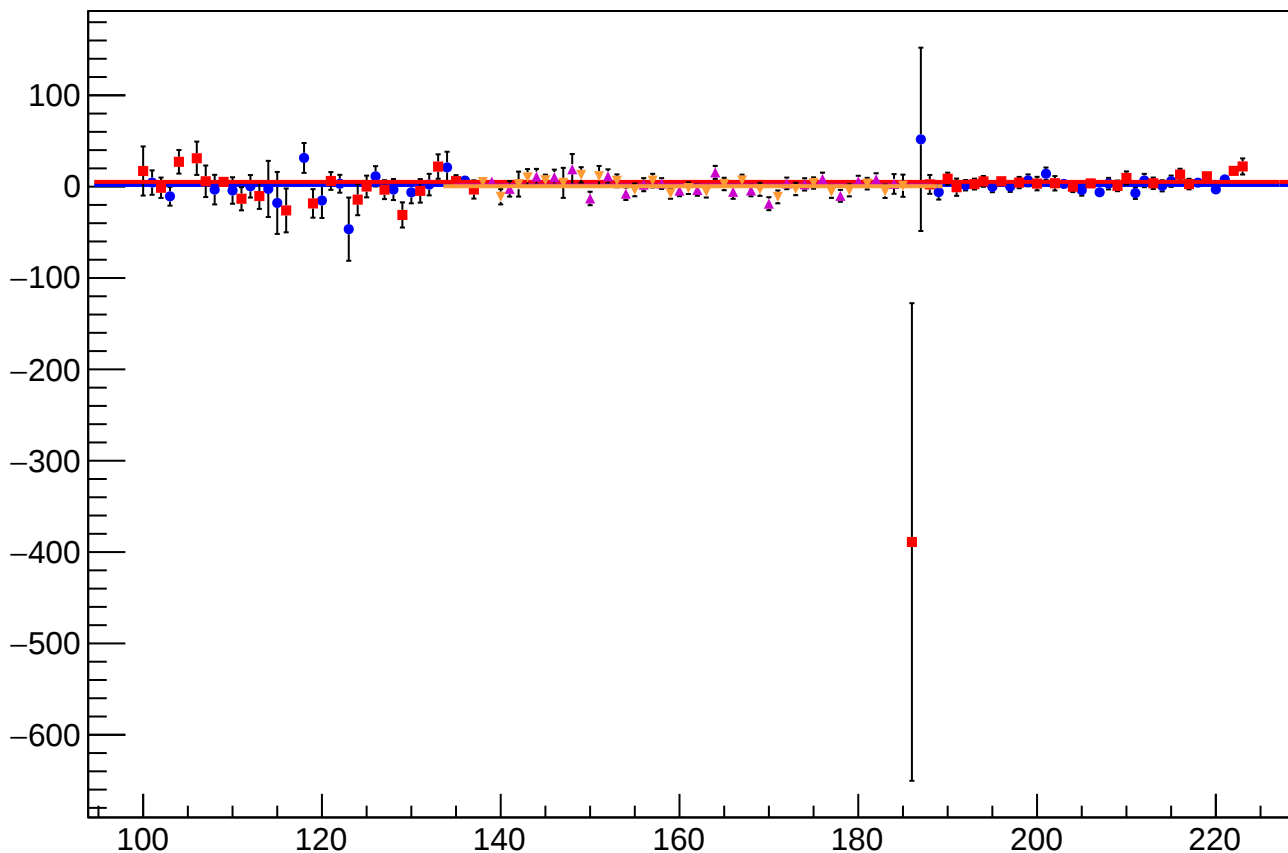
Left In: 8621.975 $\pm$ 1.471 χ^2 /NDF:230824.4/22

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

All: 10401.731 $\pm$ 0.908 χ^2 /NDF: 20818204.6

- sign 10506.934 $\pm$ 1.303 χ^2 /NDF: 10809833.6/61

diff_bpm1Y_mean vs Slug



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

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

Right Out: 5.222 ± 1.246 χ^2/NDF : 41.5/38

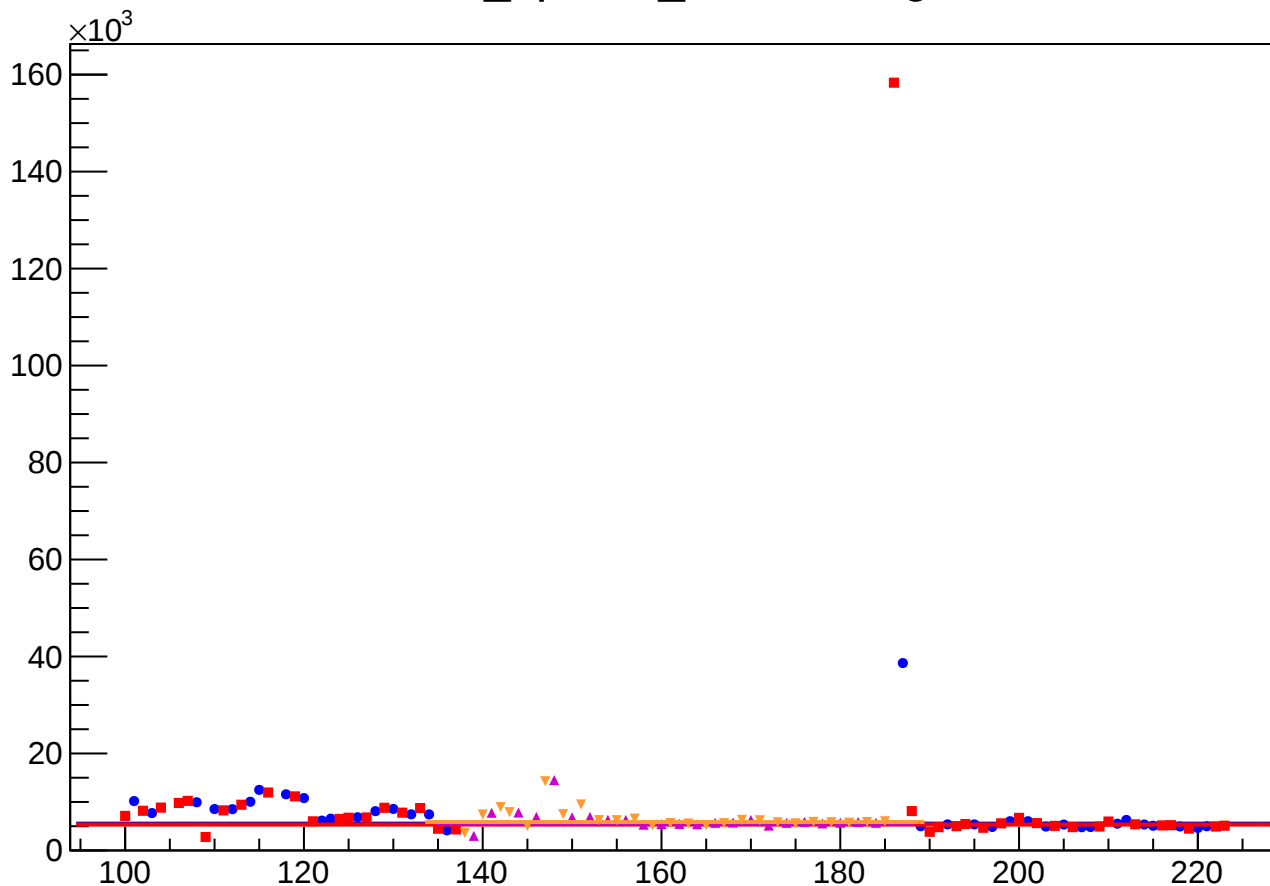
Left In: 1.298 ± 1.406 χ^2/NDF : 33.0/22

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

All: 2.395 ± 0.666 χ^2/NDF : 127.5/121

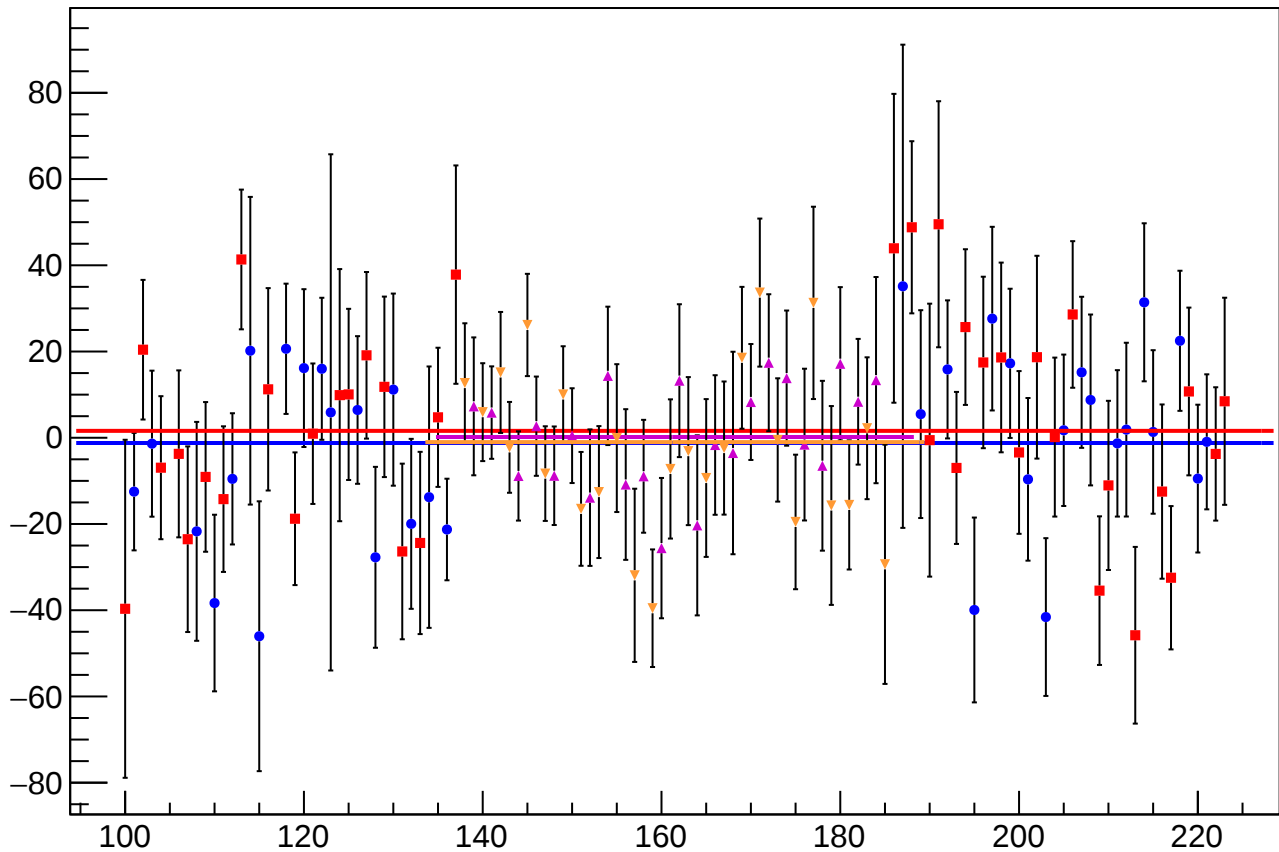
- sign 3.497 ± 0.932 χ^2/NDF : 78.9/61

diff_bpm1Y_rms vs Slug



Right In: 5533.543 $\pm$ 0.909	χ^2/NDF : 2270536.8/34	+ sign 5680.047 $\pm$ 0.674	χ^2/NDF : 4019531.8/59
Left Out: 5858.642 $\pm$ 1.004	χ^2/NDF : 1691344.1/24	All: 5561.892 $\pm$ 0.471	χ^2/NDF : 9748324.8/12
Right Out: 5332.491 $\pm$ 0.881	χ^2/NDF : 3539204.6/38	- sign 5448.726 $\pm$ 0.659	χ^2/NDF : 5668570.6/61
Left In: 5596.879 $\pm$ 0.994	χ^2/NDF : 2089750.1/22		

diff_bpm11X_mean vs Slug



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

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

Right Out: 1.600 ± 3.124 χ^2/NDF : 51.9/38

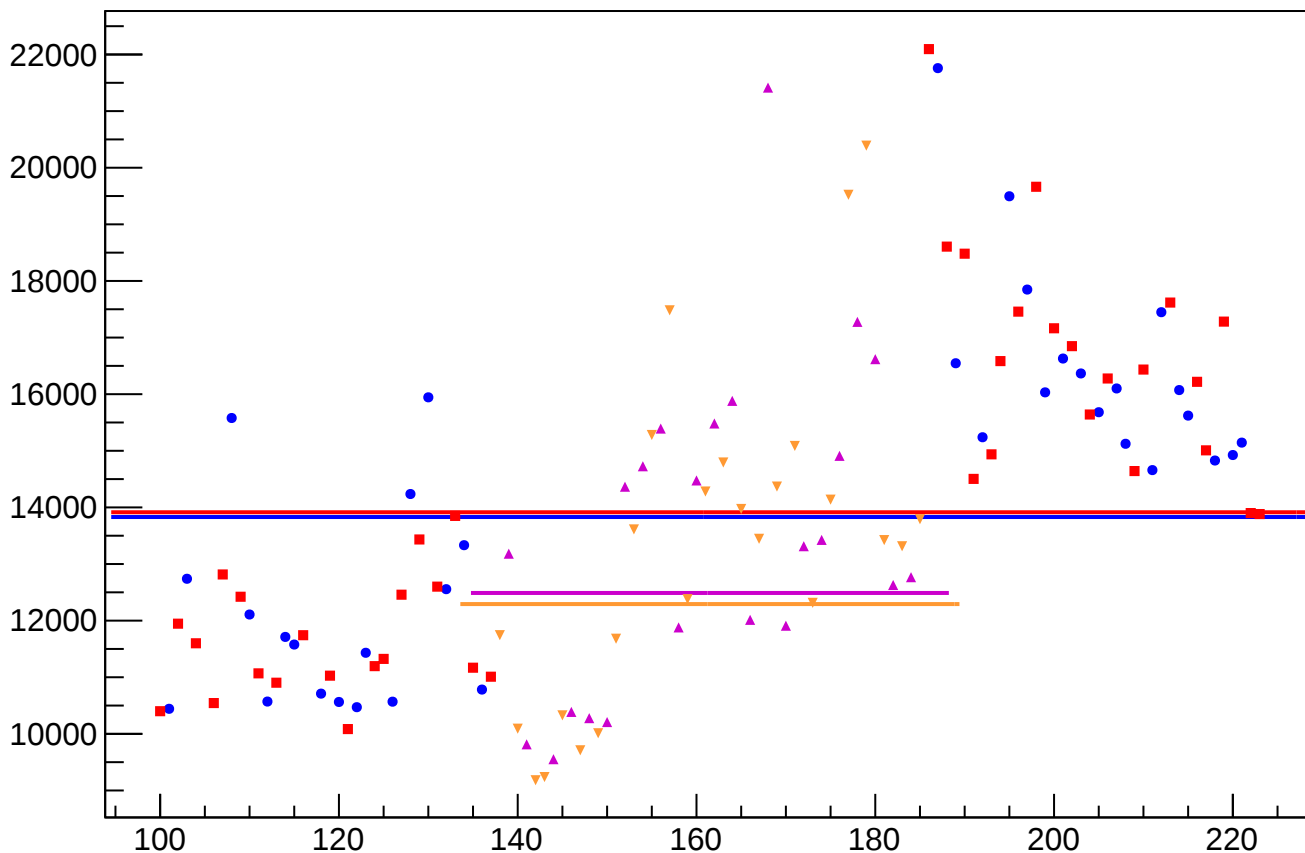
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

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

All: -0.132 ± 1.535 χ^2/NDF : 135.4/121

- sign 0.873 ± 2.189 χ^2/NDF : 64.3/61

diff_bpm11X_rms vs Slug



Right In: 13830.184 $\pm$ 2.233 χ^2 /NDF: 1352305.4/34

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

Right Out: 13914.254 $\pm$ 2.209 χ^2 /NDF: 1496402.3/38

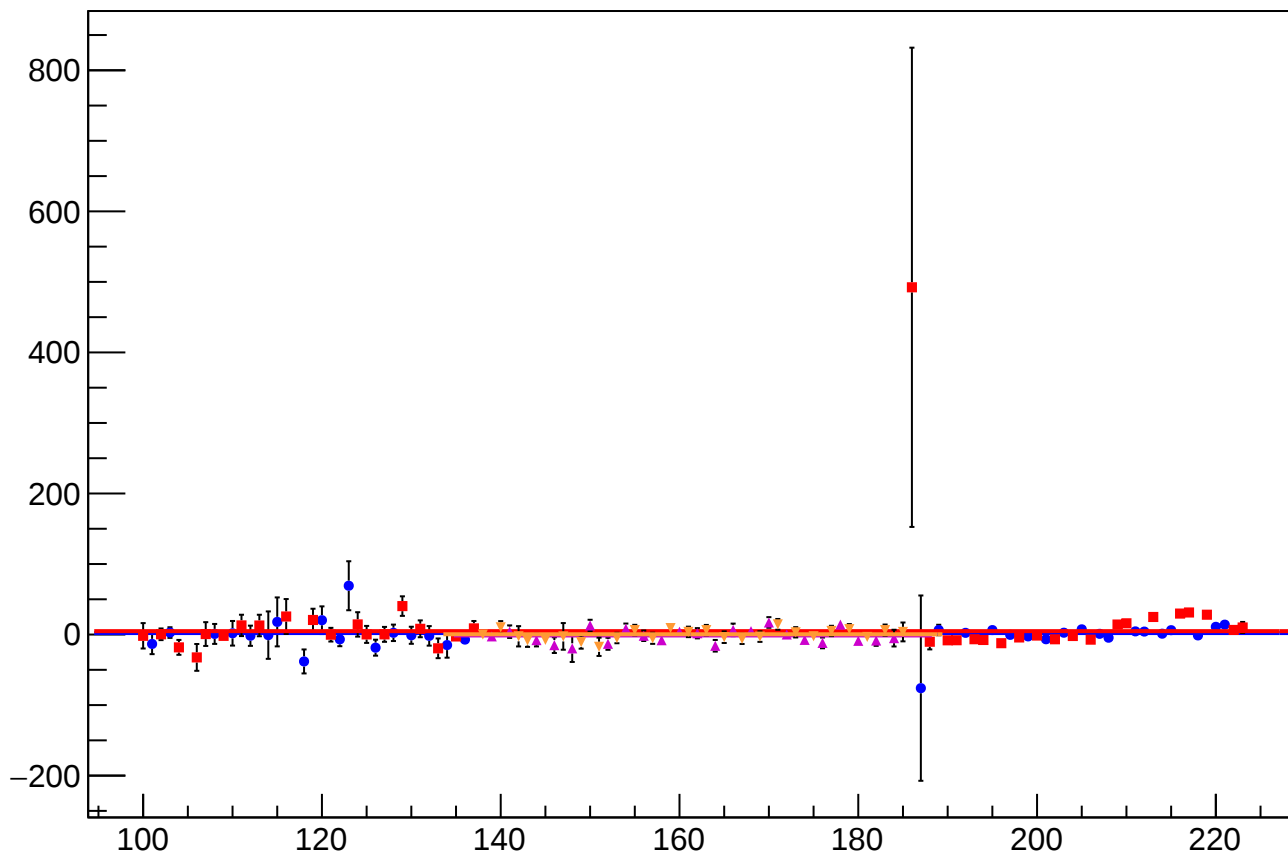
Left In: 12488.821 $\pm$ 2.169 χ^2 /NDF:1354485.4/22

+ sign 13007.036 $\pm$ 1.522 χ^2 /NDF: 3108771.1/59

All: 13096.248 $\pm$ 1.085 χ^2 /NDF: 6178667.7/1

- sign 13188.500 $\pm$ 1.548 χ^2 /NDF: 3062907.0/61

diff_bpm11Y_mean vs Slug



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

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

Right Out: 4.837 $\pm$ 1.075 χ^2 /NDF: 177.8/38

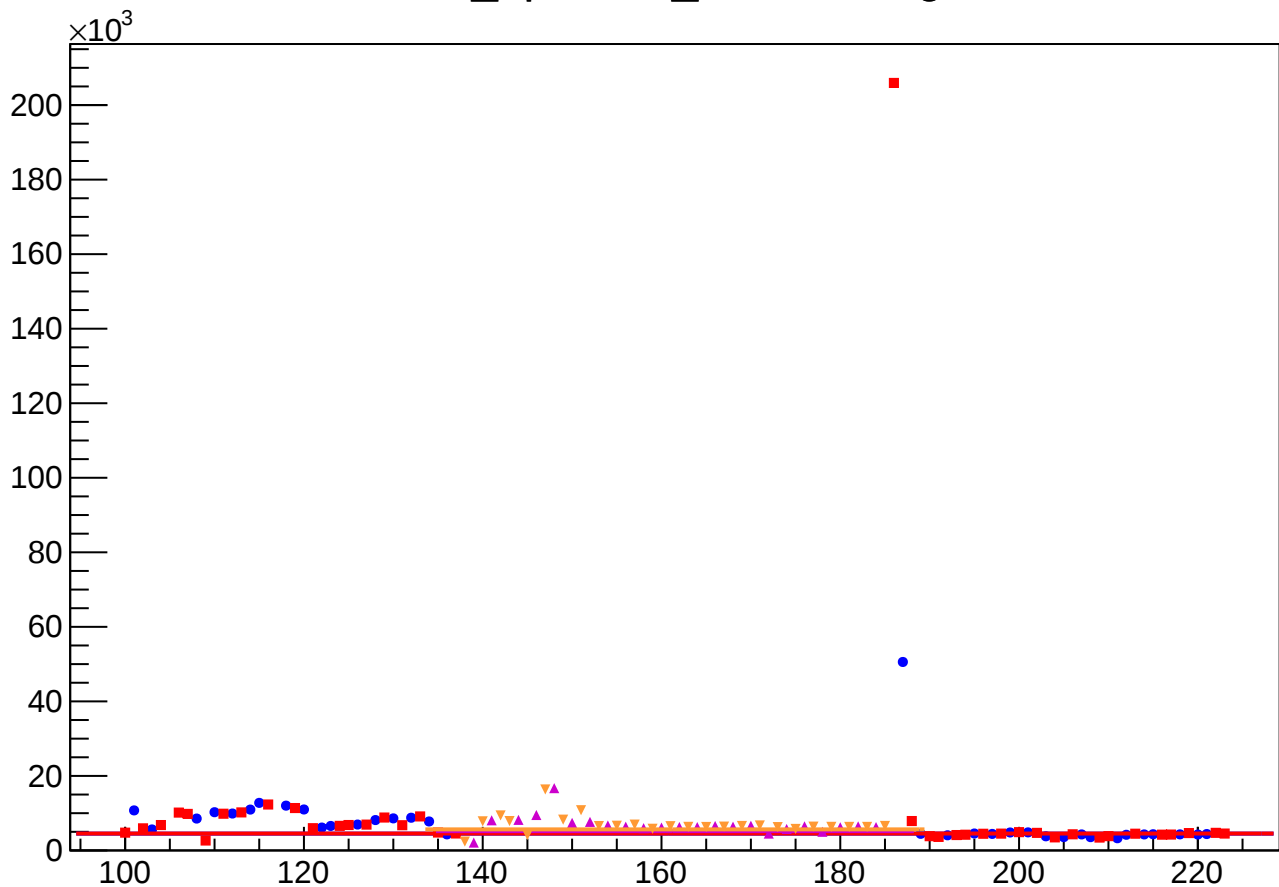
Left In: -1.278 $\pm$ 1.386 χ^2 /NDF: 34.0/22

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

All: 2.029 $\pm$ 0.603 χ^2 /NDF: 286.2/121

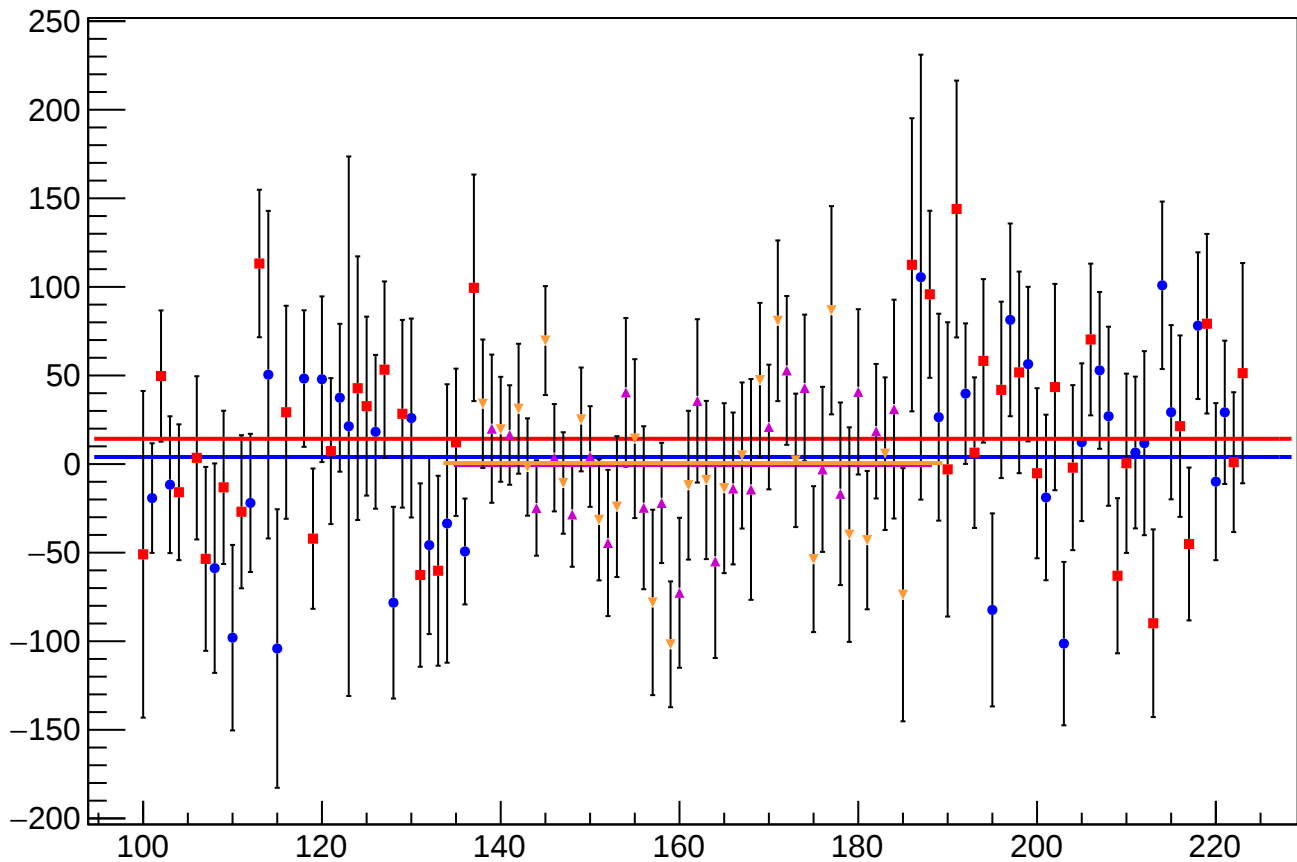
- sign 2.541 $\pm$ 0.849 χ^2 /NDF: 224.0/61

diff_bpm11Y_rms vs Slug



Right In: 4512.709 ± 0.756 $\chi^2/\text{NDF}: 3478645.8/34$ + sign 4920.509 ± 0.606 $\chi^2/\text{NDF}: 8419271.2/59$
 Left Out: 5655.639 ± 1.014 $\chi^2/\text{NDF}: 4124124.3/24$ All: 4849.772 ± 0.427 $\chi^2/\text{NDF}: 18035391.1/100$
 Right Out: 4539.463 ± 0.760 $\chi^2/\text{NDF}: 3971592.8/38$ - sign 4780.302 ± 0.600 $\chi^2/\text{NDF}: 9589107.5/61$
 Left In: 5180.743 ± 0.980 $\chi^2/\text{NDF}: 5350053.6/22$

diff_bpm12X_mean vs Slug



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

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

Right Out: 14.267 ± 7.838 $\chi^2/\text{NDF}: 42.4/38$

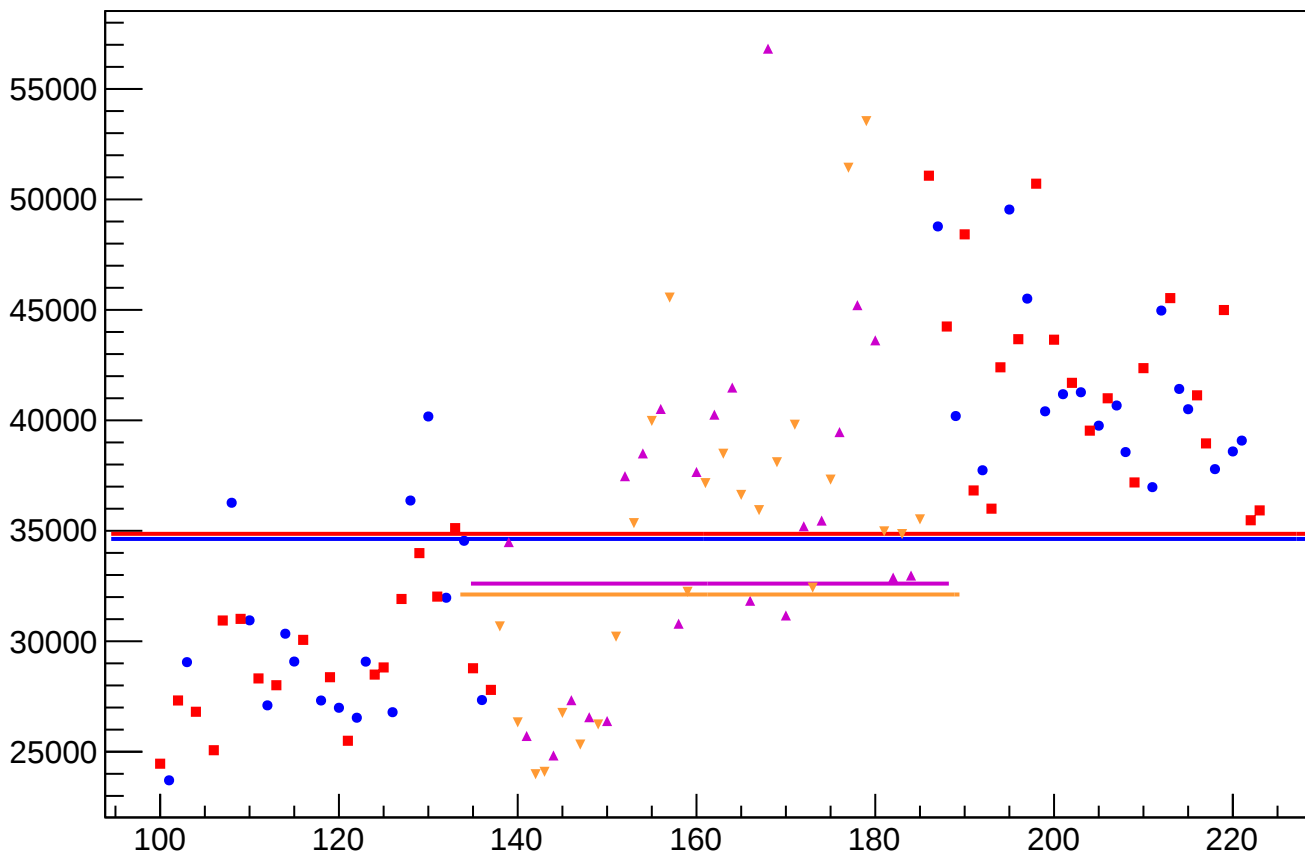
Left In: -0.565 ± 8.015 $\chi^2/\text{NDF}: 14.3/22$

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

All: 4.588 ± 3.932 $\chi^2/\text{NDF}: 130.6/121$

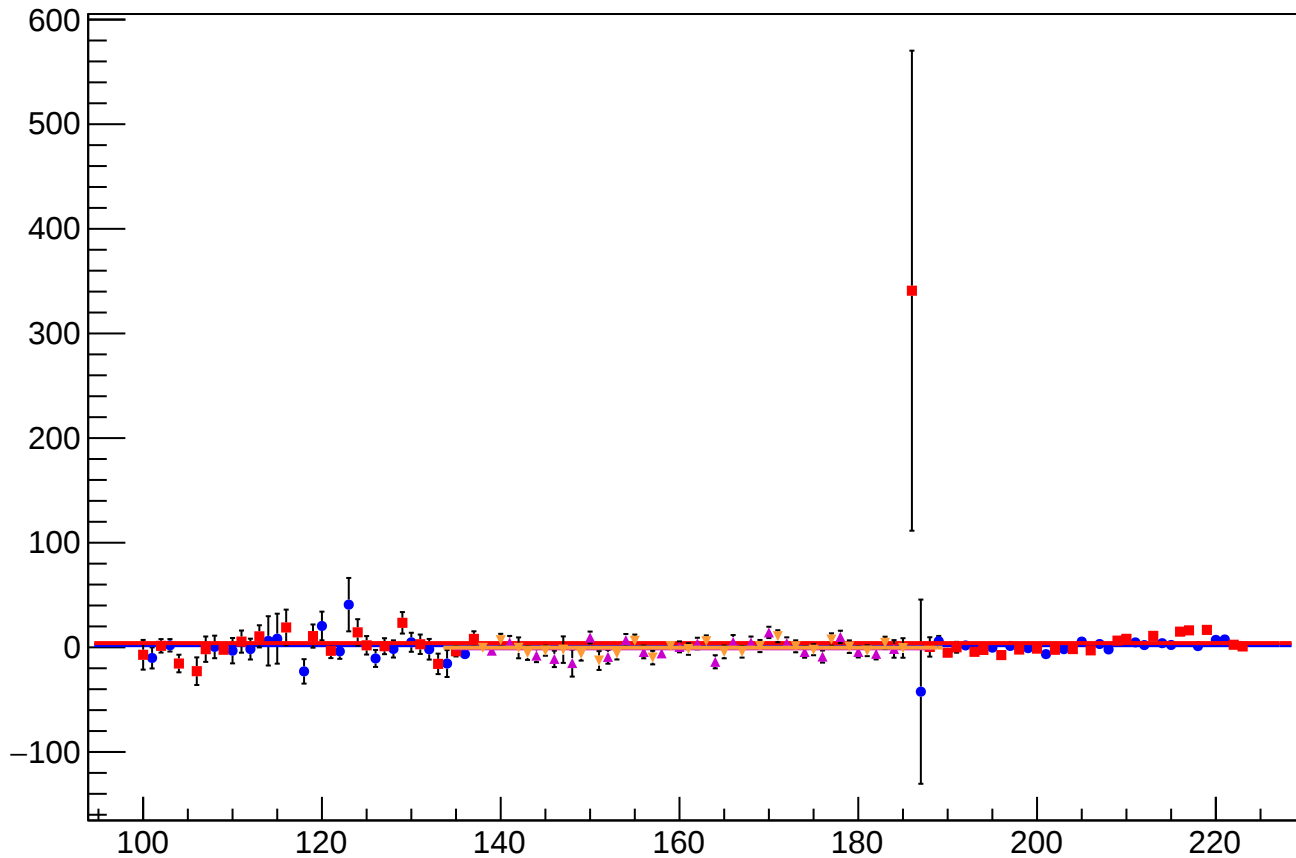
- sign 7.016 ± 5.604 $\chi^2/\text{NDF}: 58.4/61$

diff_bpm12X_rms vs Slug



Right In: 34631.438+/-5.603	χ^2/NDF : 1490795.2/34	+ sign 33336.820+/-3.902	χ^2/NDF : 3131229.0/59
Left Out: 32117.184+/-5.438	χ^2/NDF : 1536740.0/24	All: 33546.005+/-2.780	χ^2/NDF : 6223930.5/1
Right Out: 34863.084+/-5.542	χ^2/NDF : 1607604.6/38	- sign 33761.690+/-3.962	χ^2/NDF : 3086864.8/61
Left In: 32610.108+/-5.667	χ^2/NDF : 1398475.8/22		

diff_bpm12Y_mean vs Slug



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

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

Right Out: 4.063 ± 0.632 χ^2/NDF : 168.7/38

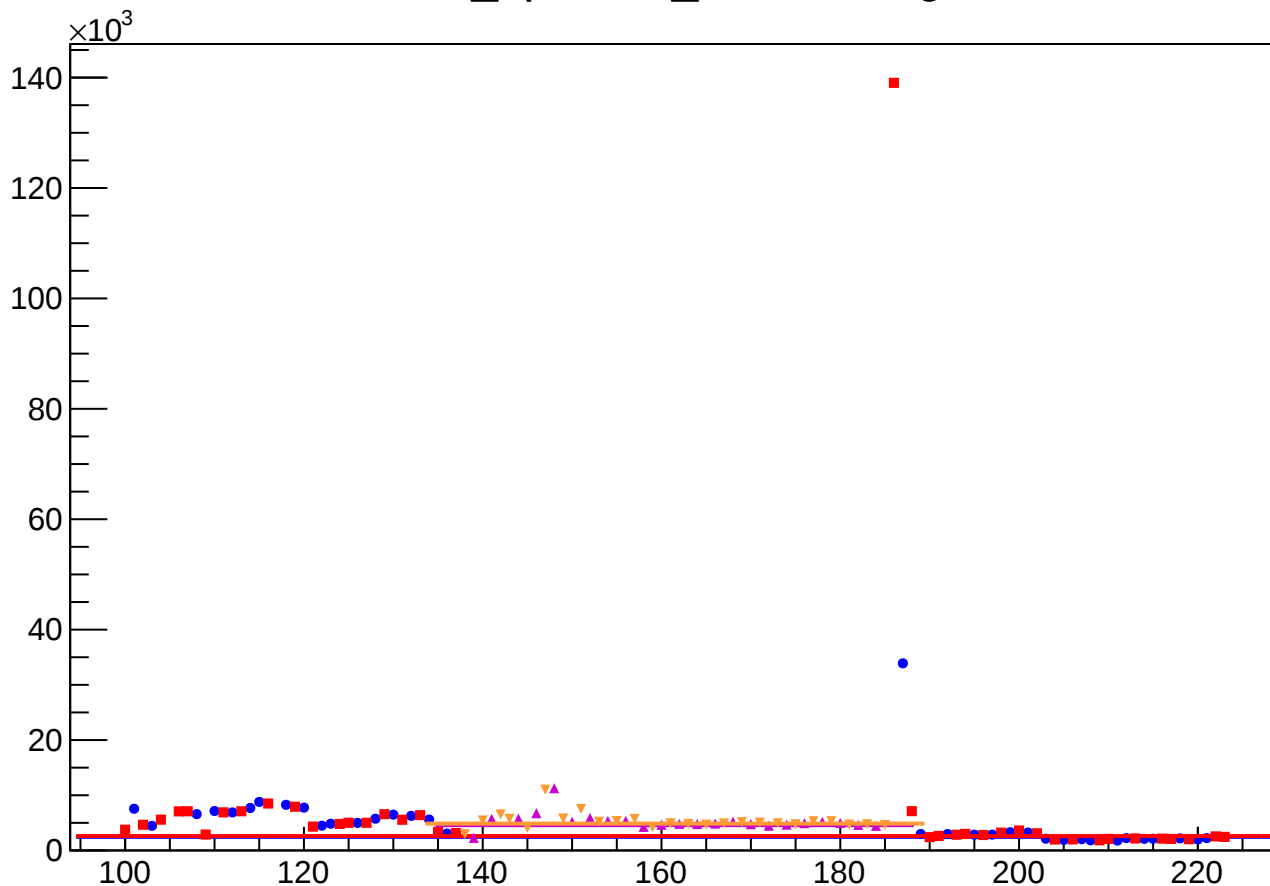
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

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

All: 2.223 ± 0.386 χ^2/NDF : 294.4/121

- sign 2.911 ± 0.554 χ^2/NDF : 219.2/61

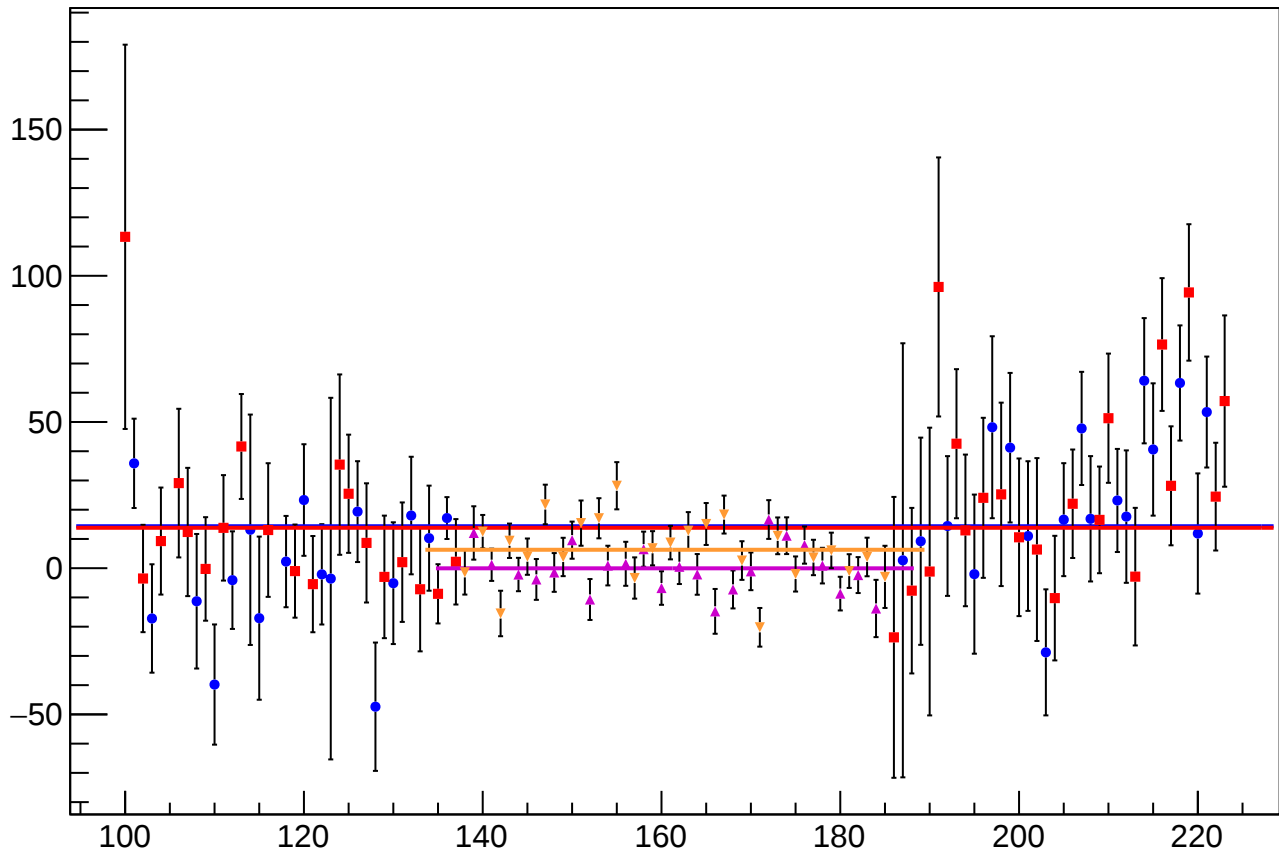
diff_bpm12Y_rms vs Slug



Right In: 2469.468 ± 0.427 χ^2/NDF : 5720031.2/34
 Left Out: 4866.528 ± 0.829 χ^2/NDF : 1511486.2/24
 Right Out: 2601.105 ± 0.447 χ^2/NDF : 6202753.1/38
 Left In: 4582.193 ± 0.816 χ^2/NDF : 2478681.0/22

+ sign 2971.461 ± 0.380 χ^2/NDF : 13835872.7/59
 All: 3013.536 ± 0.273 χ^2/NDF : 27078687.6/61
 - sign 3058.411 ± 0.392 χ^2/NDF : 13217416.1/61

diff_bpm16X_mean vs Slug



Right In: 14.348 ± 3.241 χ^2/NDF : 53.7/34

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

Right Out: 13.825 ± 3.359 χ^2/NDF : 51.1/38

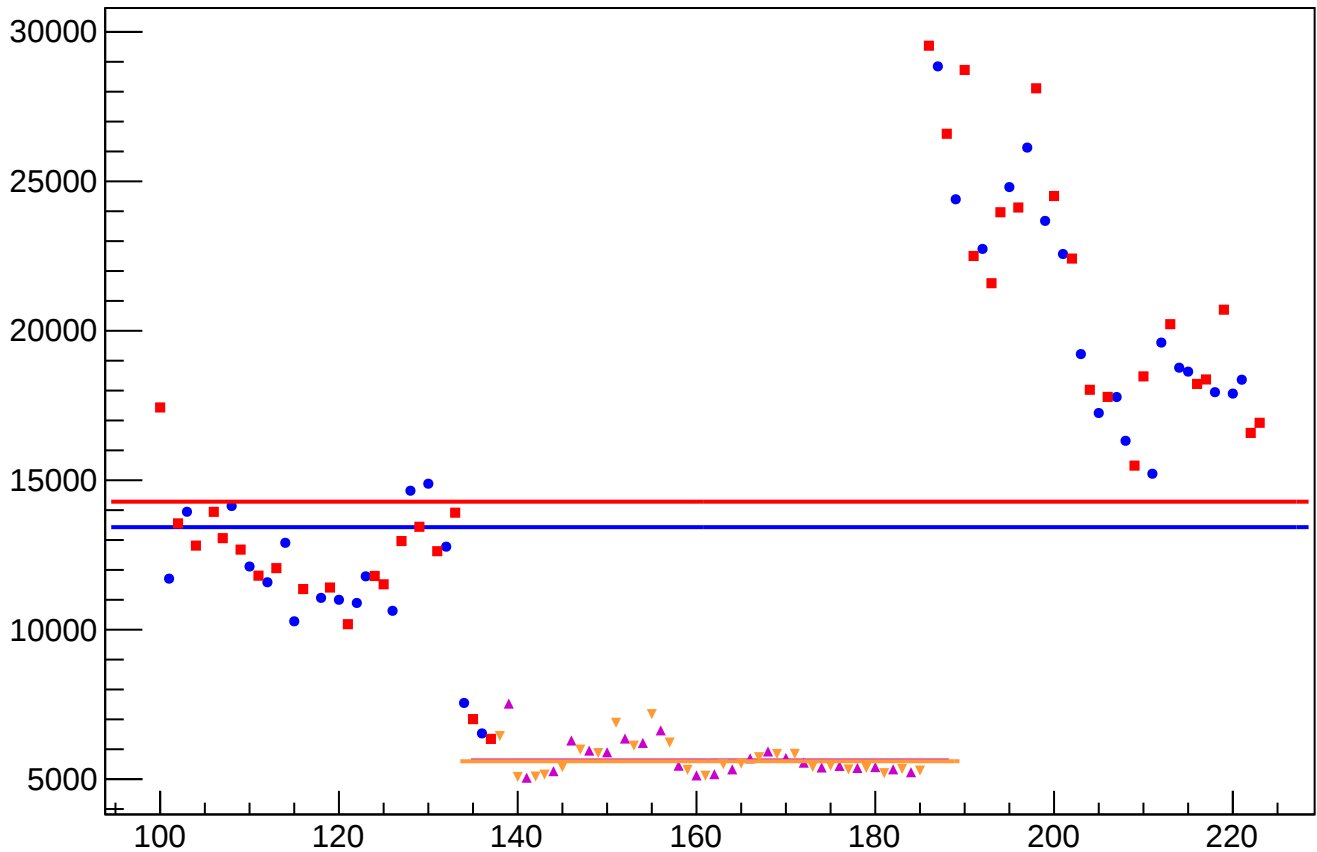
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

+ sign 7.435 ± 1.217 χ^2/NDF : 115.7/59

All: 4.764 ± 0.875 χ^2/NDF : 221.4/121

- sign 1.903 ± 1.259 χ^2/NDF : 95.8/61

diff_bpm16X_rms vs Slug



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

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

Right Out: 14282.695+/-2.375 χ^2/NDF : 5048572.2/38

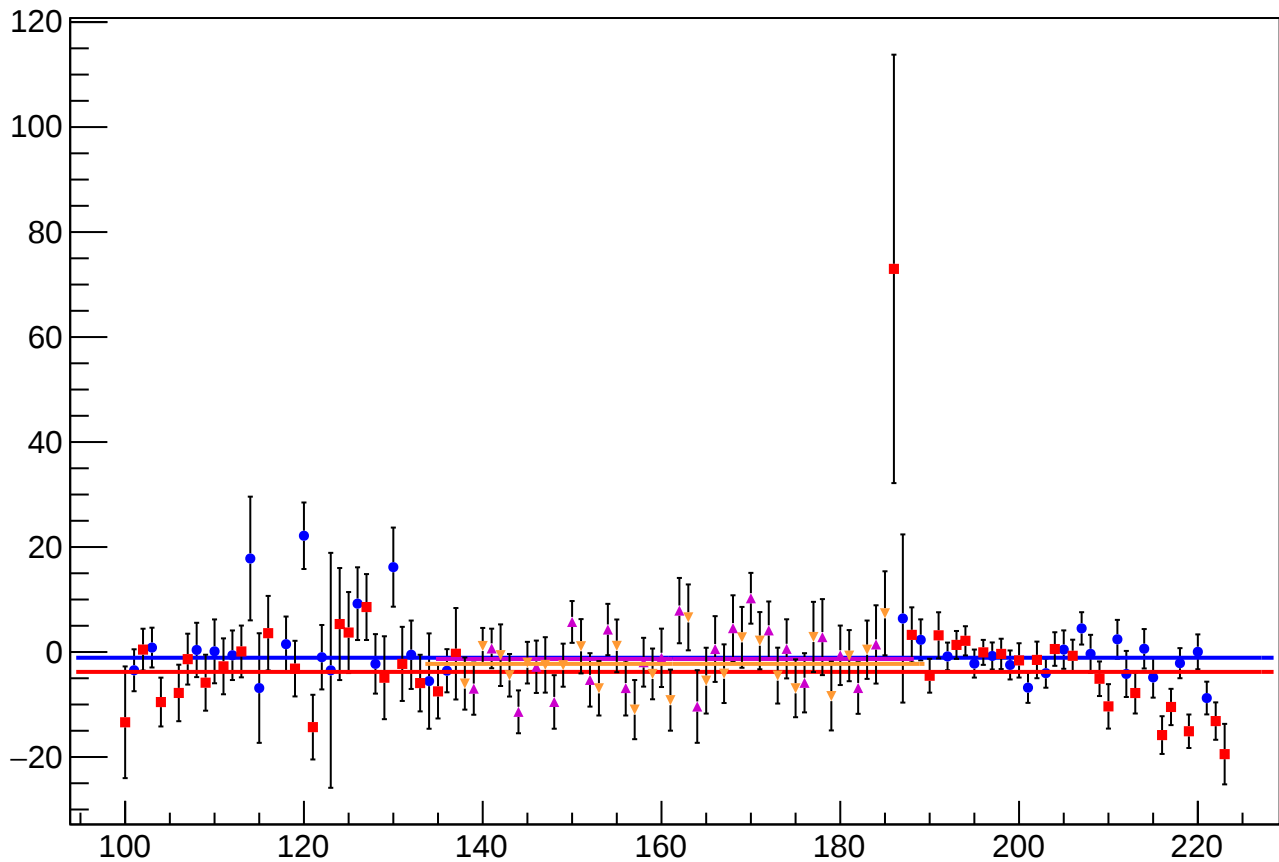
Left In: 5625.163+/-0.960 χ^2/NDF : 272563.5/22

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

All: 6769.132+/-0.619 χ^2/NDF : 32355836.0/100

- sign 6840.911+/-0.890 χ^2/NDF : 16740442.4/61

diff_bpm16Y_mean vs Slug



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

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

Right Out: -3.787 ± 0.663 χ^2/NDF : 84.8/38

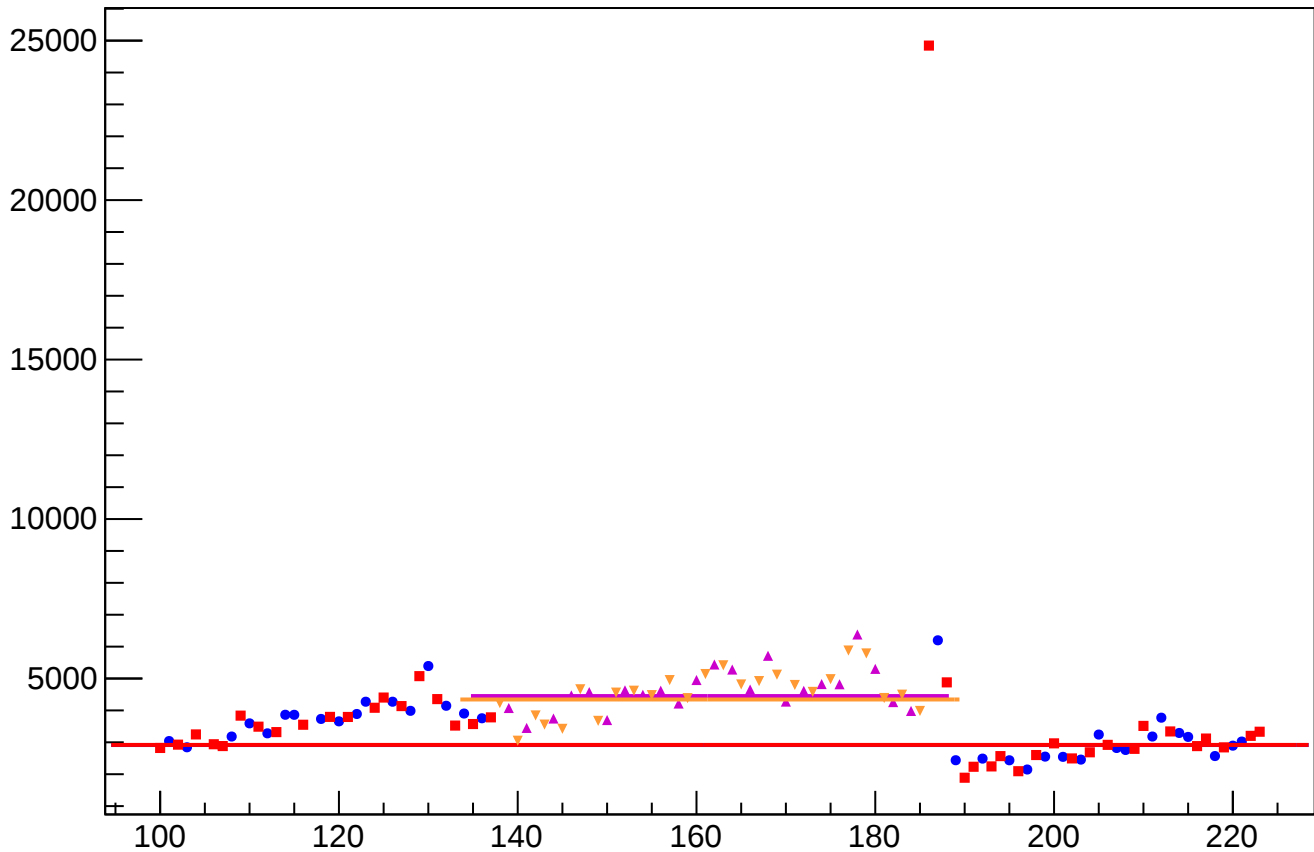
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

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

All: -2.271 ± 0.398 χ^2/NDF : 184.2/121

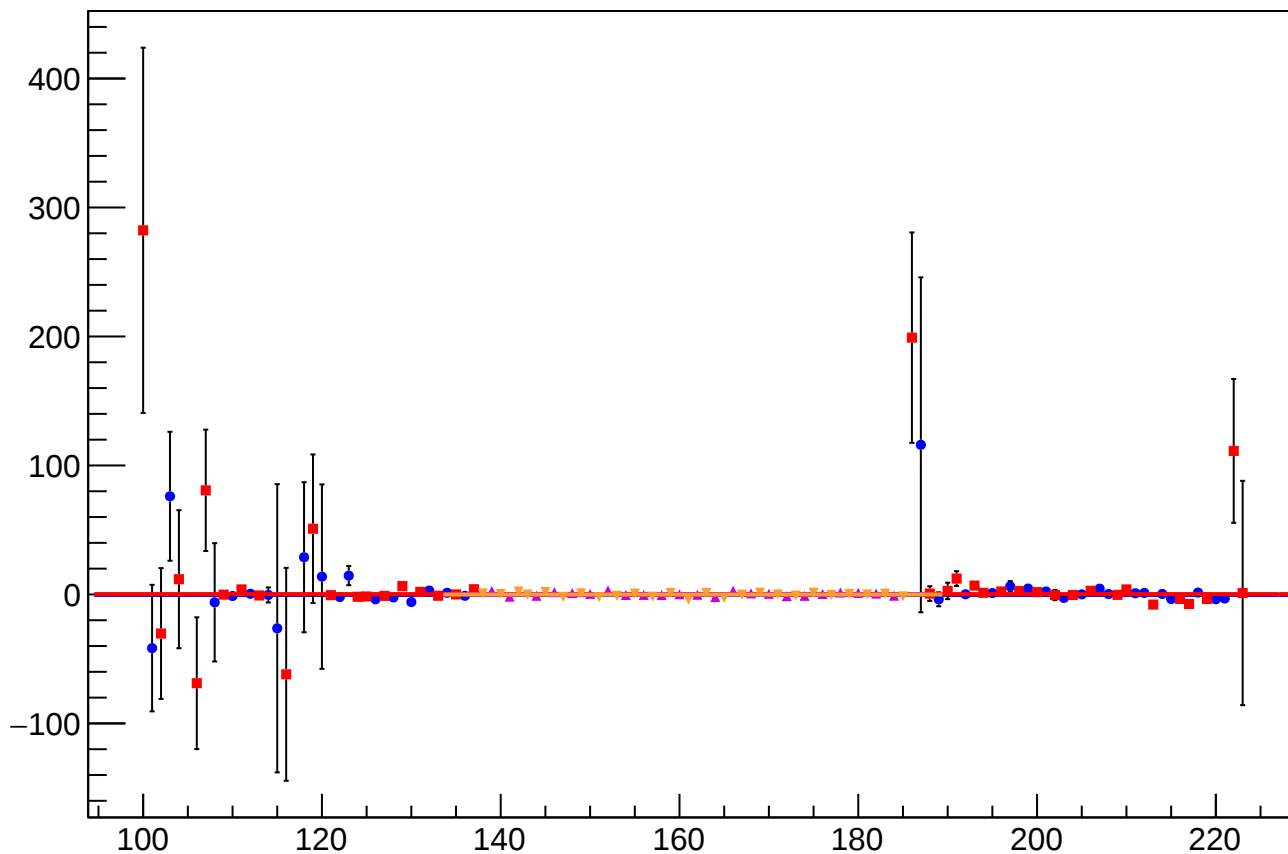
- sign -3.116 ± 0.565 χ^2/NDF : 119.1/61

diff_bpm16Y_rms vs Slug



Right In: 2914.800+/-0.473	χ^2/NDF : 1449047.3/34	+ sign 3338.682+/-0.397	χ^2/NDF : 5143710.6/59
Left Out: 4342.635+/-0.728	χ^2/NDF : 993035.5/24	All: 3337.522+/-0.282	χ^2/NDF : 11122214.8/1
Right Out: 2918.224+/-0.469	χ^2/NDF : 2371058.5/38	- sign 3336.344+/-0.400	χ^2/NDF : 5978487.1/61
Left In: 4450.007+/-0.765	χ^2/NDF : 693229.8/22		

diff_bpm1p02bX_mean vs Slug



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

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

Right Out: 0.278 ± 0.513 χ^2/NDF : 66.0/38

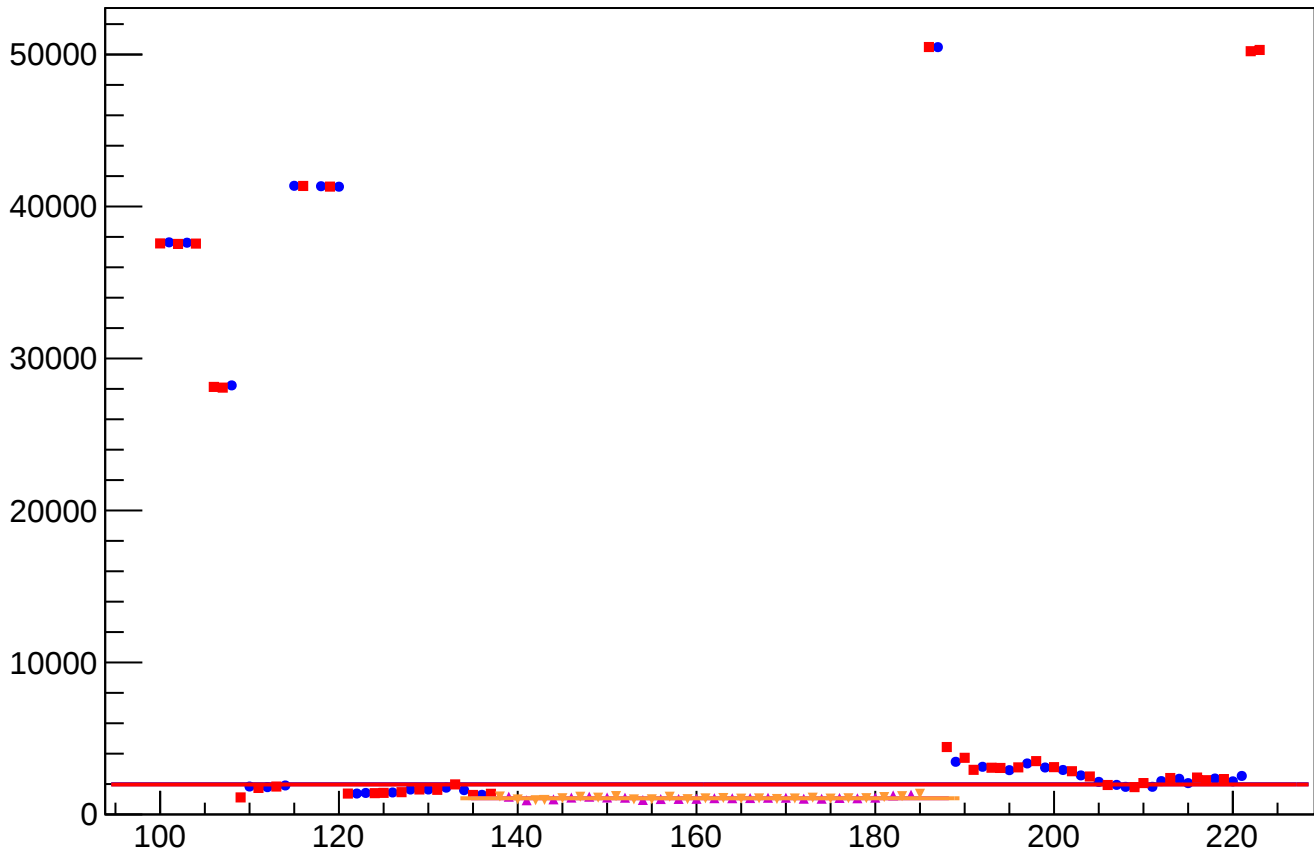
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

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

All: 0.052 ± 0.160 χ^2/NDF : 166.5/121

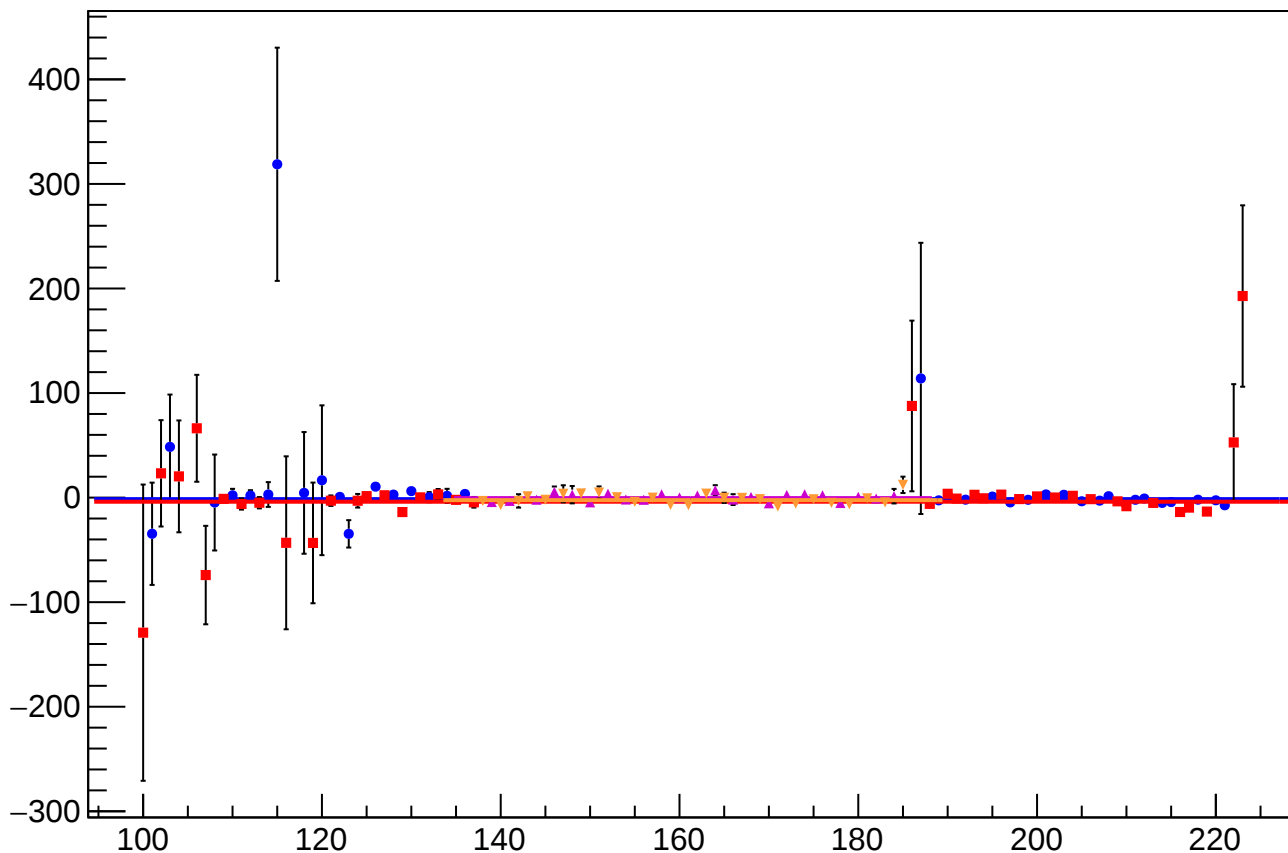
- sign 0.263 ± 0.230 χ^2/NDF : 93.2/61

diff_bpm1p02bX_rms vs Slug



Right In: 1987.400 $\pm$ 0.354 χ^2 /NDF: 7109164.3/34 + sign 1247.804 $\pm$ 0.158 χ^2 /NDF: 12743614.2/59
Left Out: 1064.701 $\pm$ 0.176 χ^2 /NDF:186511.5/24 All: 1247.961 $\pm$ 0.113 χ^2 /NDF: 28549795.2/59
Right Out: 1971.677 $\pm$ 0.362 χ^2 /NDF: 10654243.3/38 - sign 1248.127 $\pm$ 0.162 χ^2 /NDF: 15806179.0/61
Left In: 1066.255 $\pm$ 0.182 χ^2 /NDF:164232.1/22

diff_bpm1p02bY_mean vs Slug



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

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

Right Out: -3.928 ± 0.446 χ^2/NDF : 154.7/38

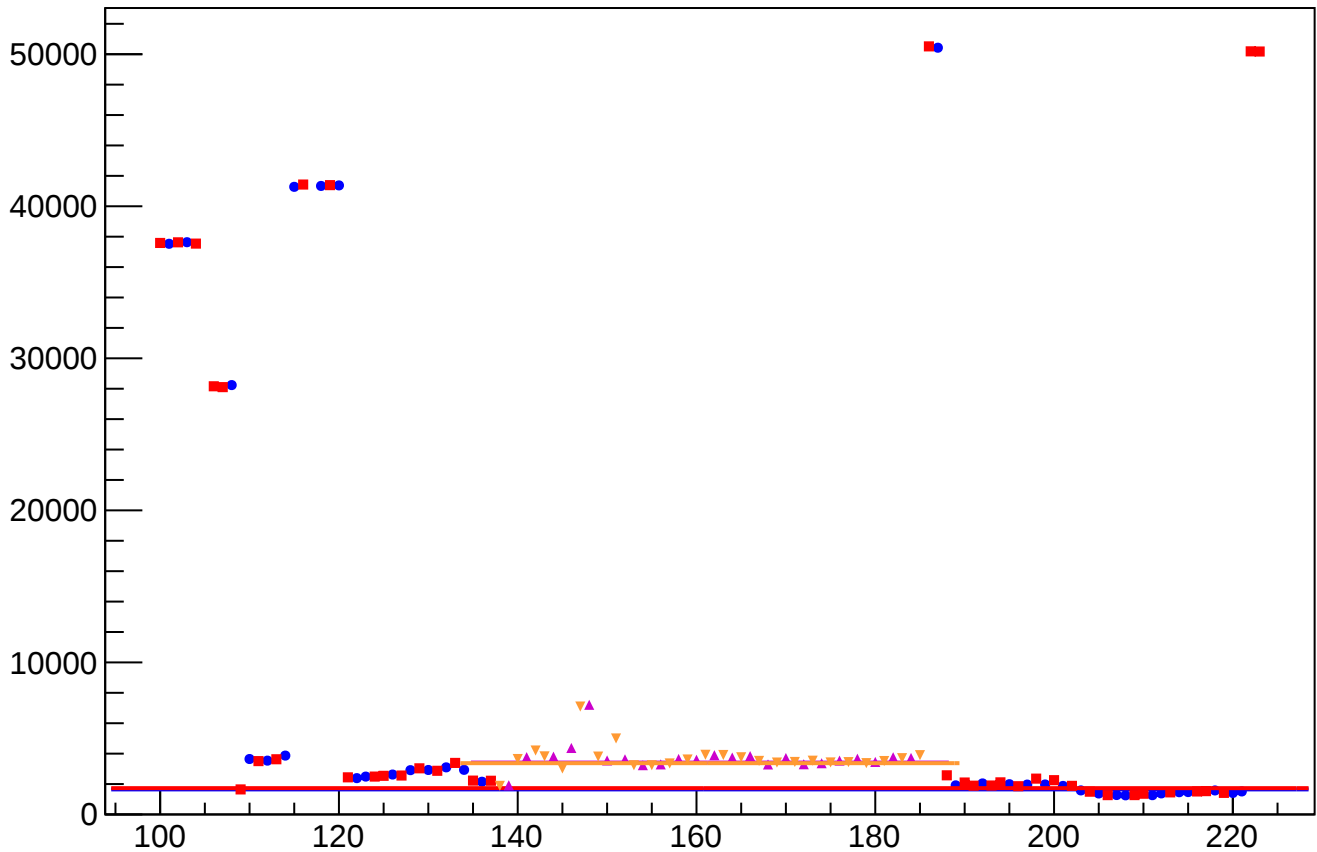
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

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

All: -2.369 ± 0.270 χ^2/NDF : 283.1/121

- sign -3.172 ± 0.394 χ^2/NDF : 183.4/61

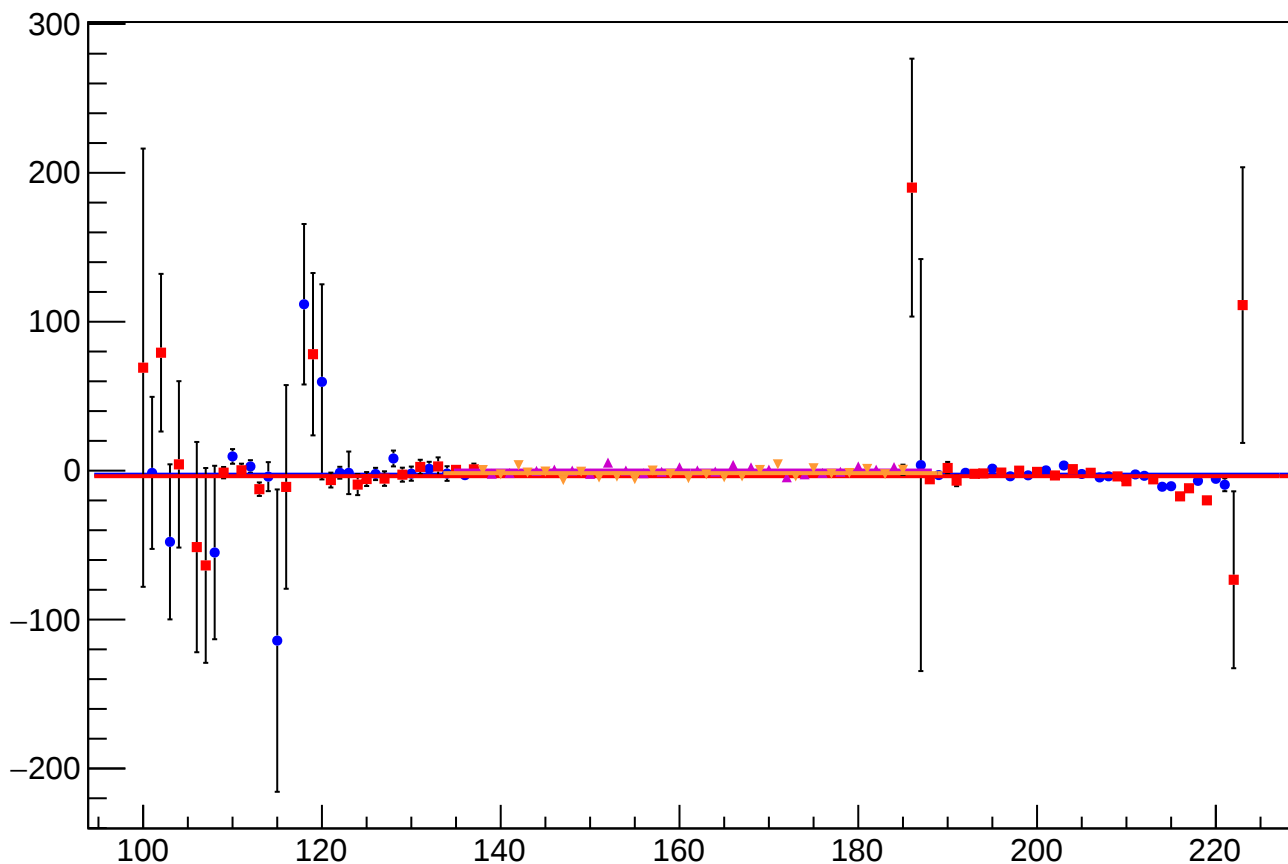
diff_bpm1p02bY_rms vs Slug



Right In: 1647.863 $\pm$ 0.294 χ^2 /NDF: 7164114.7/34
 Left Out: 3372.958 $\pm$ 0.573 χ^2 /NDF:1656864.7/24
 Right Out: 1729.693 $\pm$ 0.315 χ^2 /NDF: 9832256.1/38
 Left In: 3411.924 $\pm$ 0.596 χ^2 /NDF:1434523.7/22

+ sign 2007.858 $\pm$ 0.262 χ^2 /NDF: 15989927.0/59
 All: 2049.879 $\pm$ 0.191 χ^2 /NDF: 33536833.9/1
 - sign 2097.485 $\pm$ 0.279 χ^2 /NDF: 17491964.7/61

diff_bpm1p03aX_mean vs Slug



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

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

Right Out: -3.723 ± 0.567 χ^2/NDF : 95.2/38

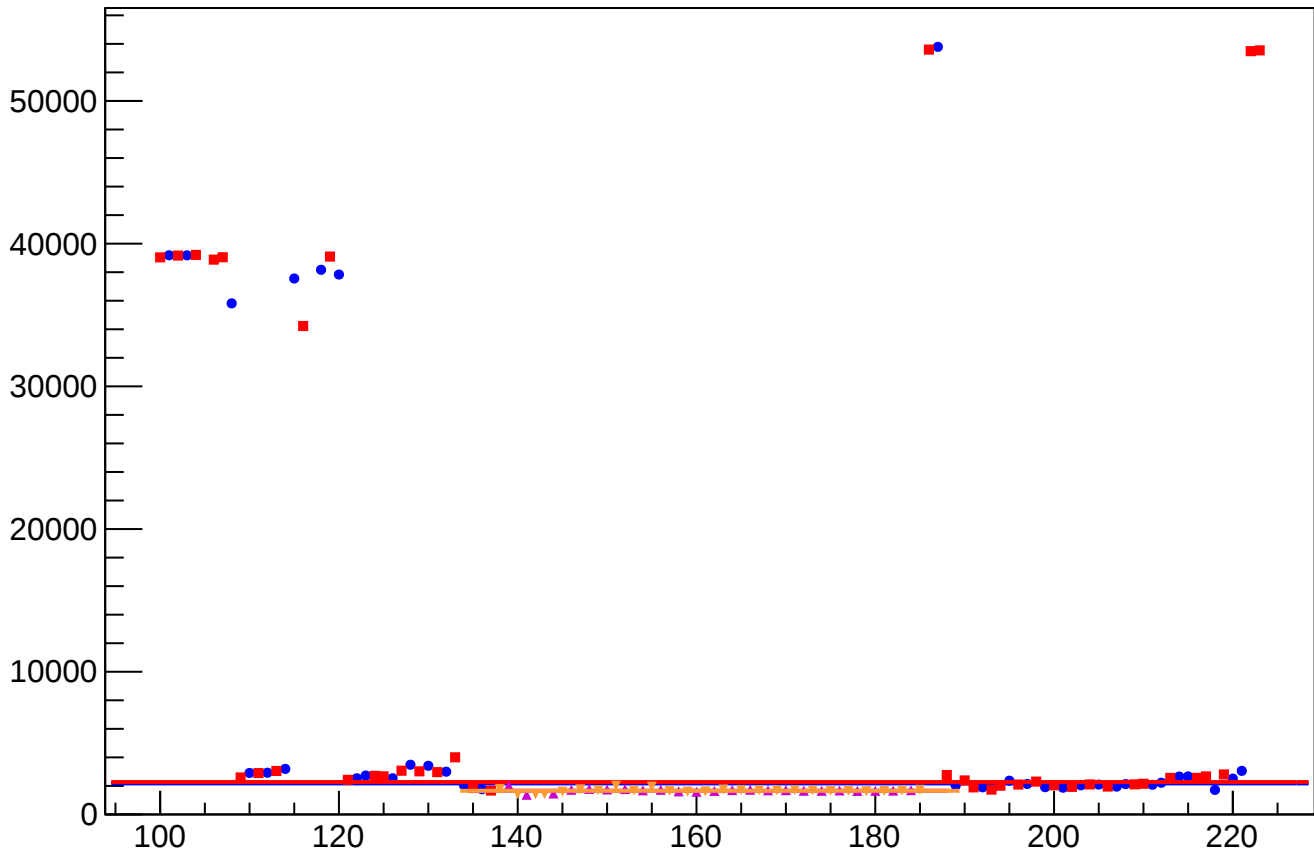
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

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

All: -1.623 ± 0.227 χ^2/NDF : 259.2/121

- sign -1.193 ± 0.327 χ^2/NDF : 153.2/61

diff_bpm1p03aX_rms vs Slug



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

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

Right Out: 2271.683+/-0.401 χ^2/NDF : 8320197.6/38

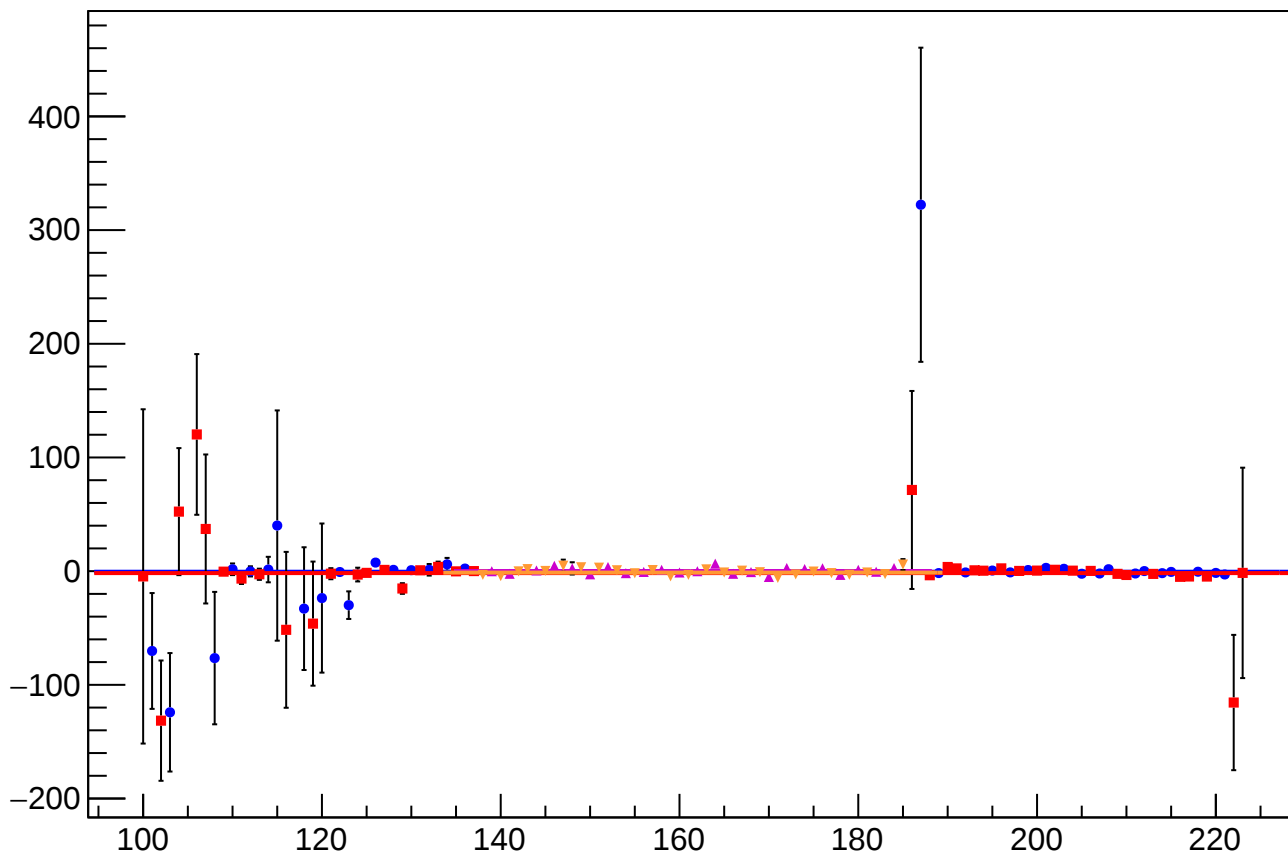
Left In: 1663.620+/-0.284 χ^2/NDF : 178858.2/22

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

All: 1849.584+/-0.161 χ^2/NDF : 17247372.1/111

- sign 1866.202+/-0.232 χ^2/NDF : 10030779.3/61

diff_bpm1p03aY_mean vs Slug



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

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

Right Out: -1.709 ± 0.361 $\chi^2/\text{NDF}: 74.9/38$

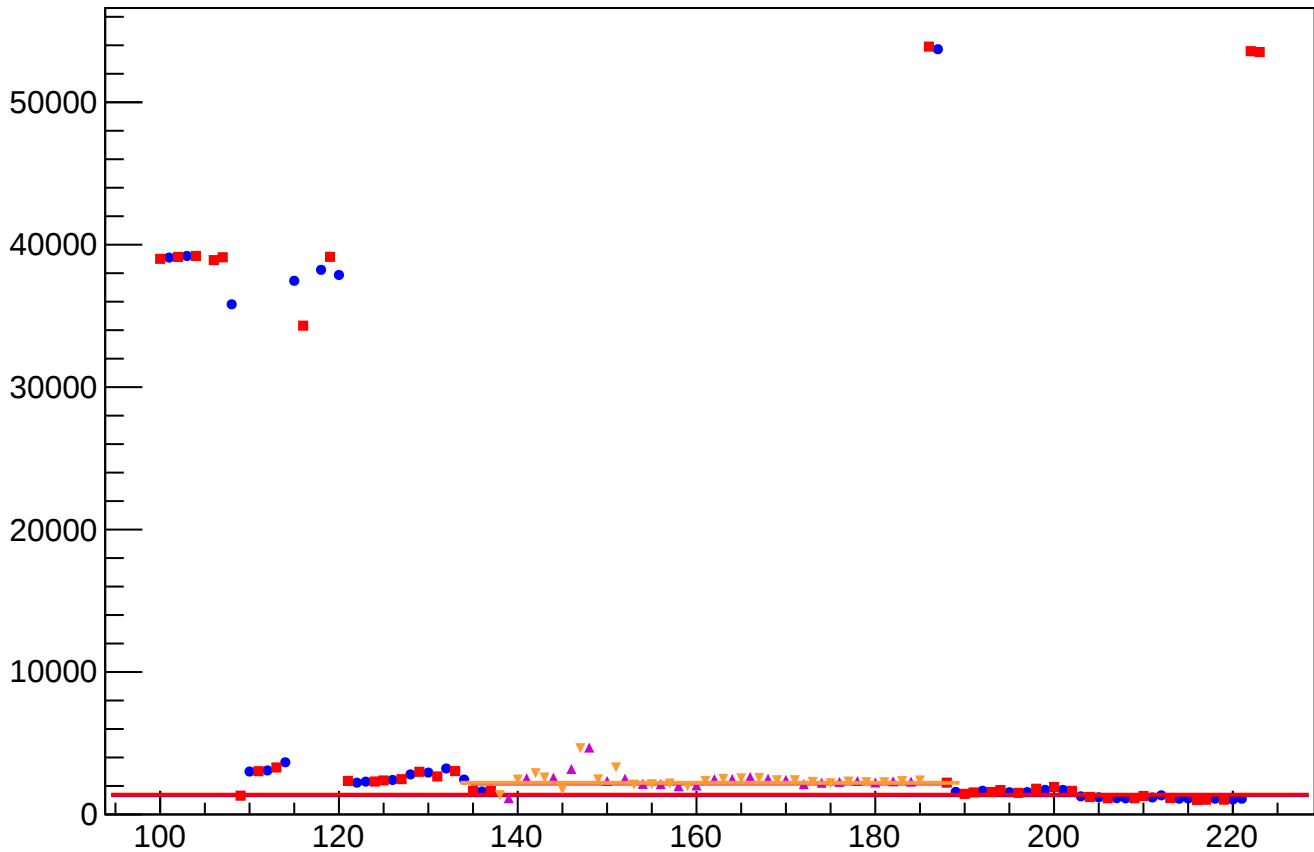
Left In: 0.098 ± 0.541 $\chi^2/\text{NDF}: 19.3/22$

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

All: -0.930 ± 0.209 $\chi^2/\text{NDF}: 174.5/121$

- sign -1.152 ± 0.300 $\chi^2/\text{NDF}: 101.9/61$

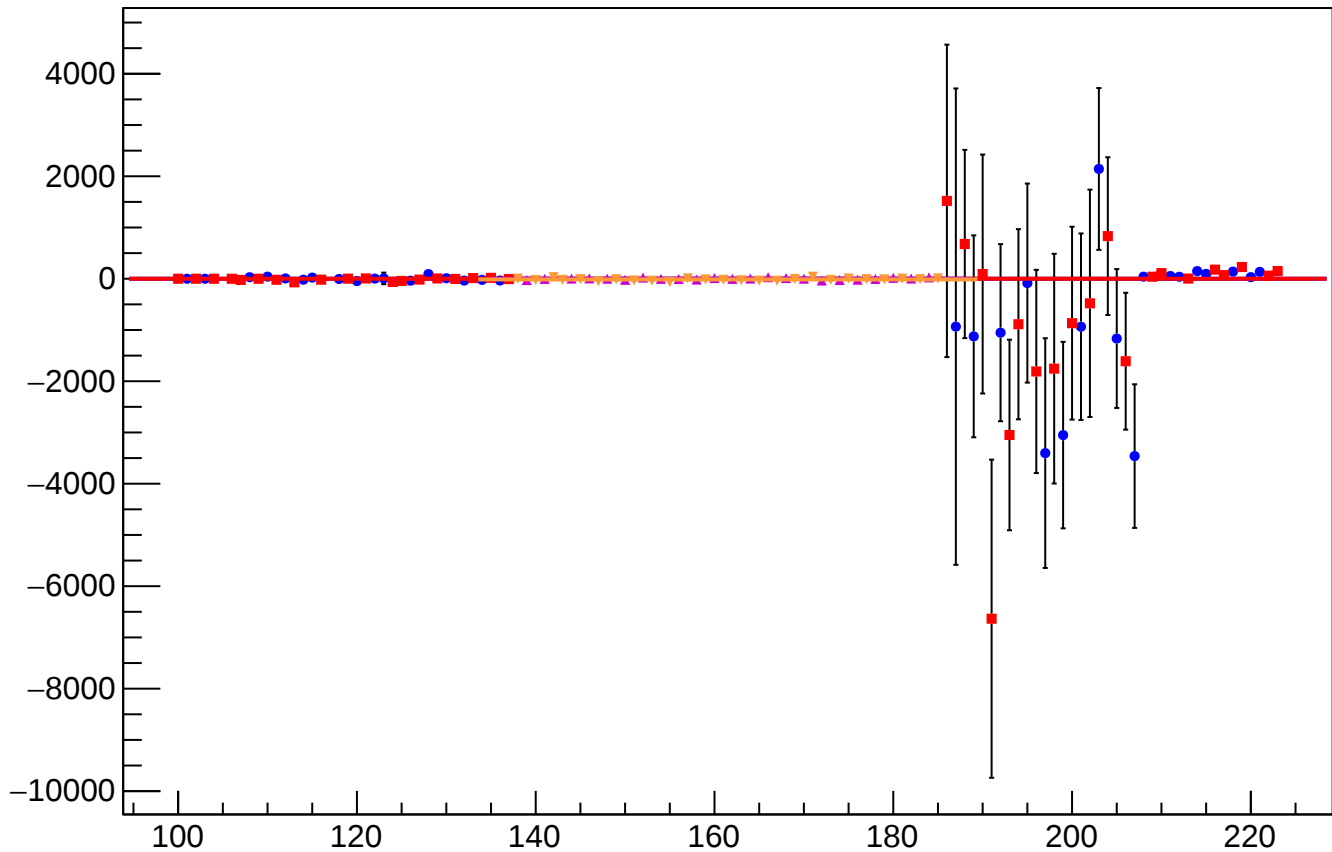
diff_bpm1p03aY_rms vs Slug



Right In: 1356.956 $\pm$ 0.244 χ^2 /NDF: 7614124.3/34
 Left Out: 2222.081 $\pm$ 0.378 χ^2 /NDF: 1422440.9/24
 Right Out: 1385.228 $\pm$ 0.255 χ^2 /NDF: 10534462.3/38
 Left In: 2169.443 $\pm$ 0.383 χ^2 /NDF: 1974869.8/22

+ sign 1611.500 $\pm$ 0.205 χ^2 /NDF: 12727005.1/59
 All: 1618.953 $\pm$ 0.148 χ^2 /NDF: 28143894.4/100
 - sign 1626.942 $\pm$ 0.212 χ^2 /NDF: 15414156.5/61

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 66.8/34

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

Right Out: 0.003+/-0.016 χ^2/NDF : 72.4/38

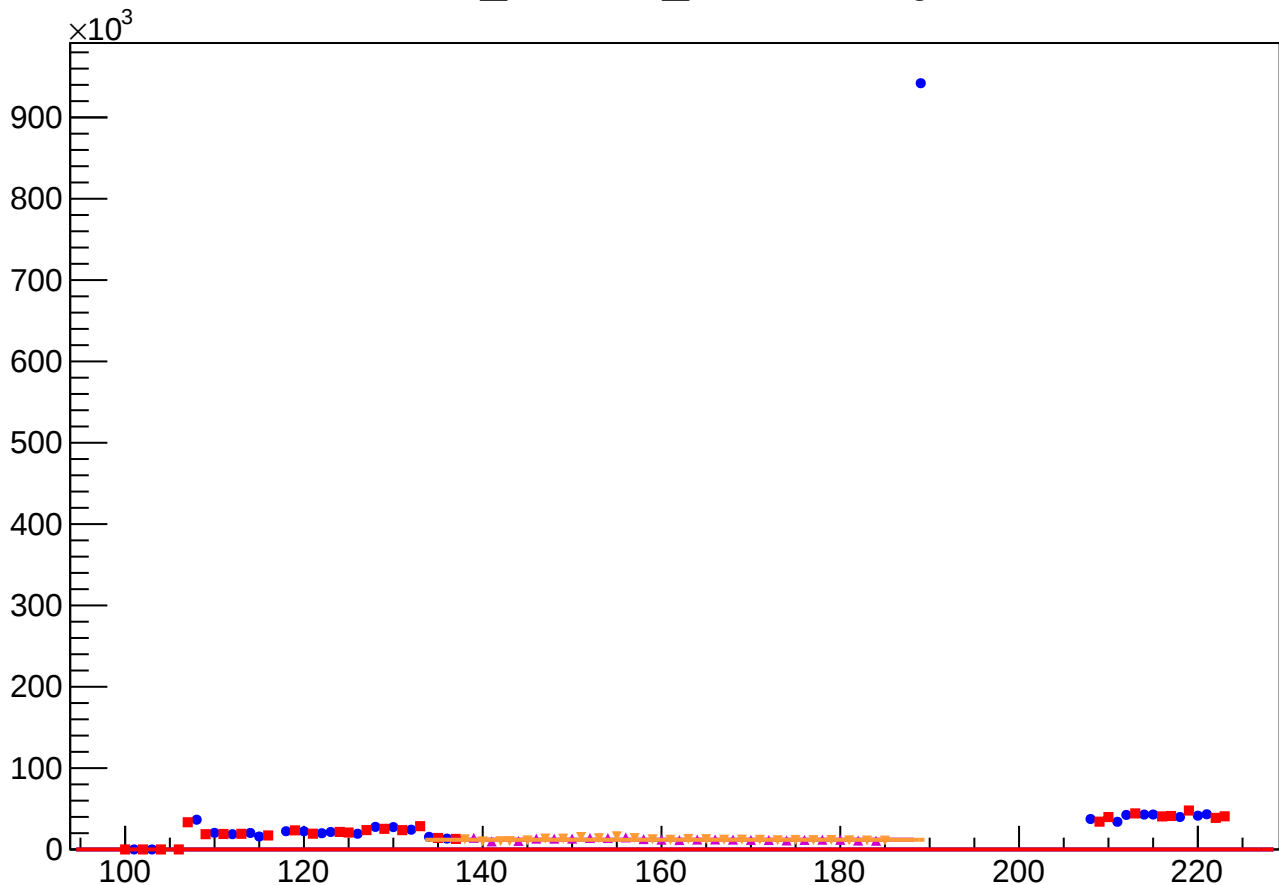
Left In: -0.459+/-2.917 χ^2/NDF : 29.0/22

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

All: 0.008+/-0.012 χ^2/NDF : 250.2/121

- sign 0.003+/-0.016 χ^2/NDF : 101.4/61

diff_cav4bX_rms vs Slug



Right In: 18.686+/-0.012 χ^2/NDF : 23208466.5/25

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

Right Out: 18.346+/-0.011 χ^2/NDF : 22155487.4/26

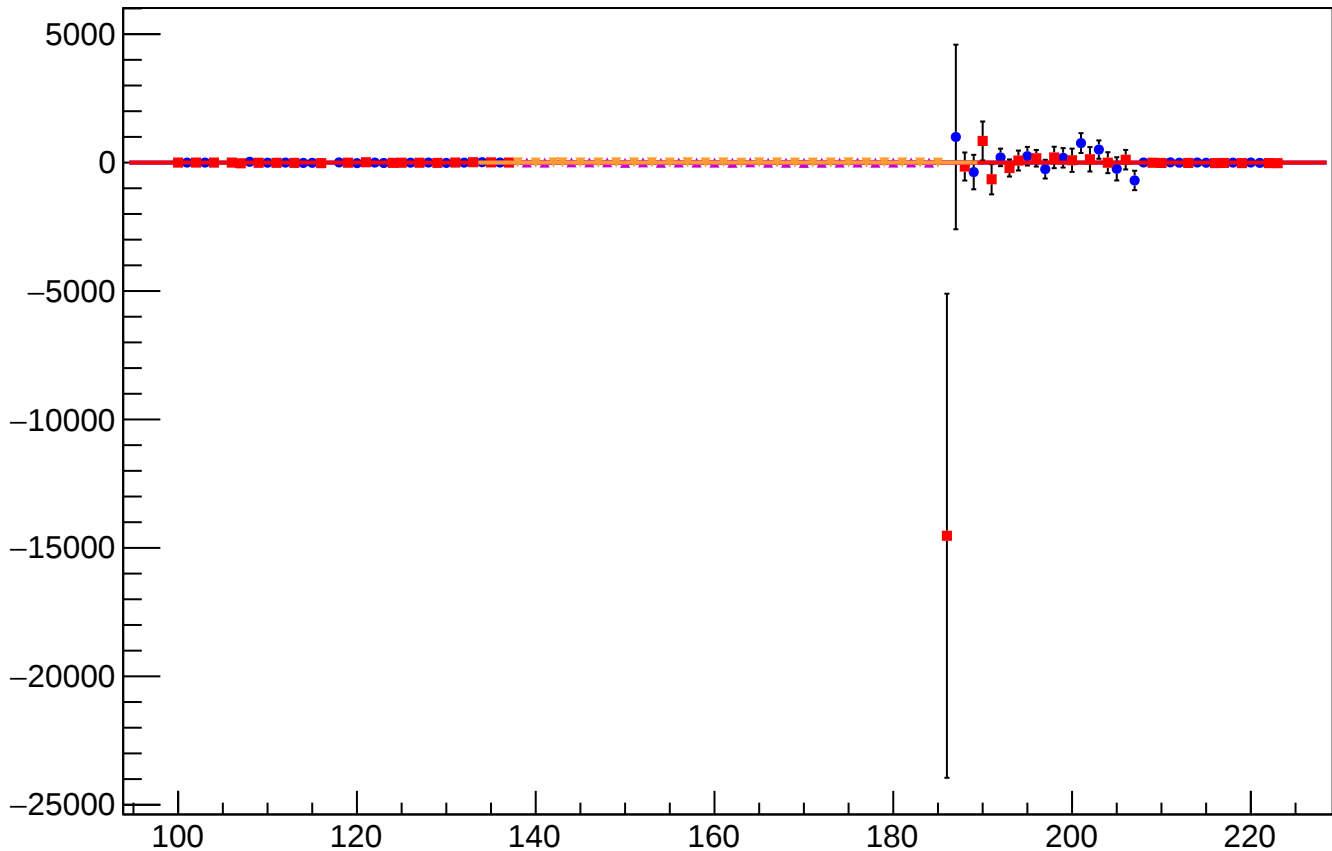
Left In: 12064.761+/-2.062 χ^2/NDF : 368452.5/22

+ sign 19.142+/-0.012 χ^2/NDF : 59747843.6/50

All: 18.911+/-0.008 χ^2/NDF : 116388149.6/100

- sign 18.712+/-0.011 χ^2/NDF : 56639645.2/49

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 32.5/34

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 77.7/38

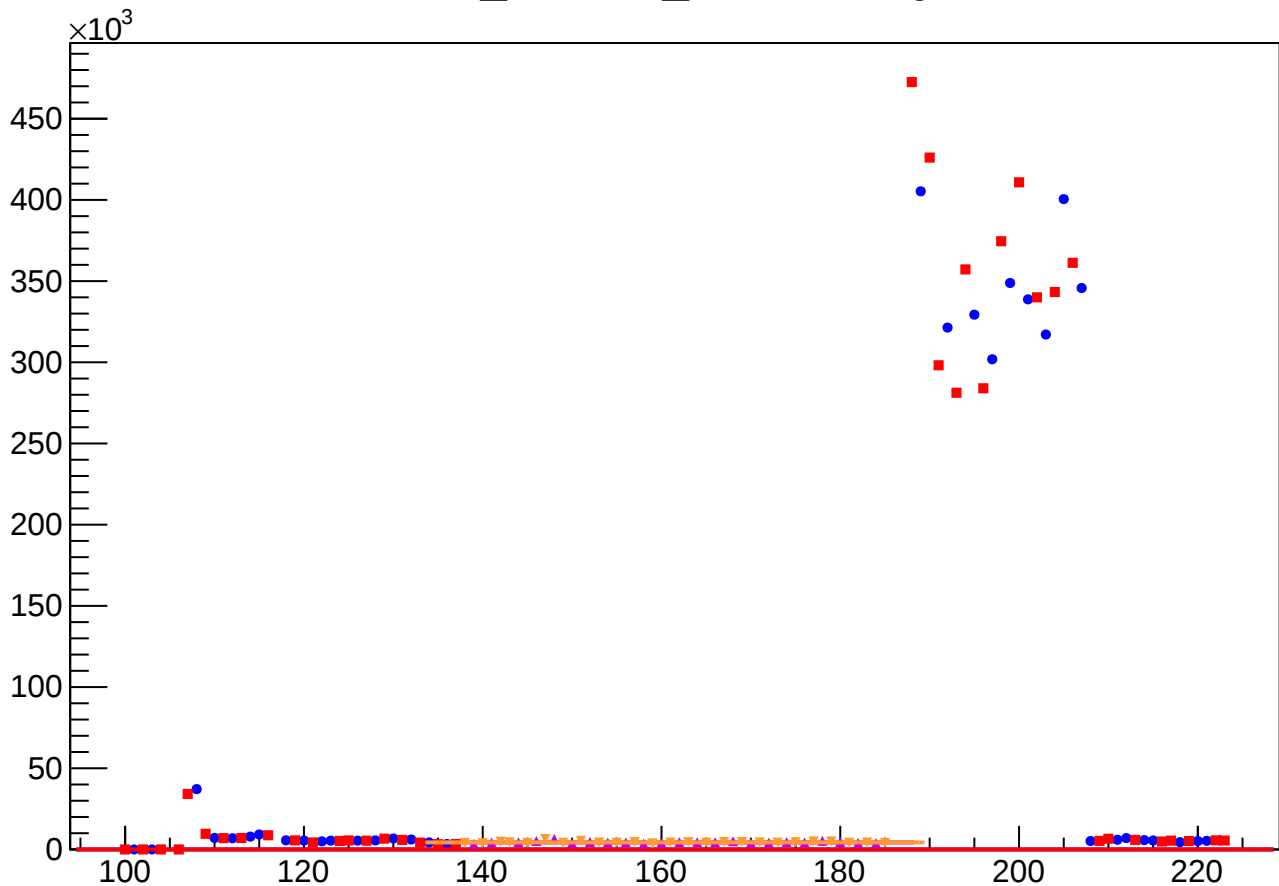
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 53.5/59

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 168.6/121

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 114.0/61

diff_cav4bY_rms vs Slug



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

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

Right Out: 9.930 ± 0.006 χ^2/NDF : 36910568.8/37

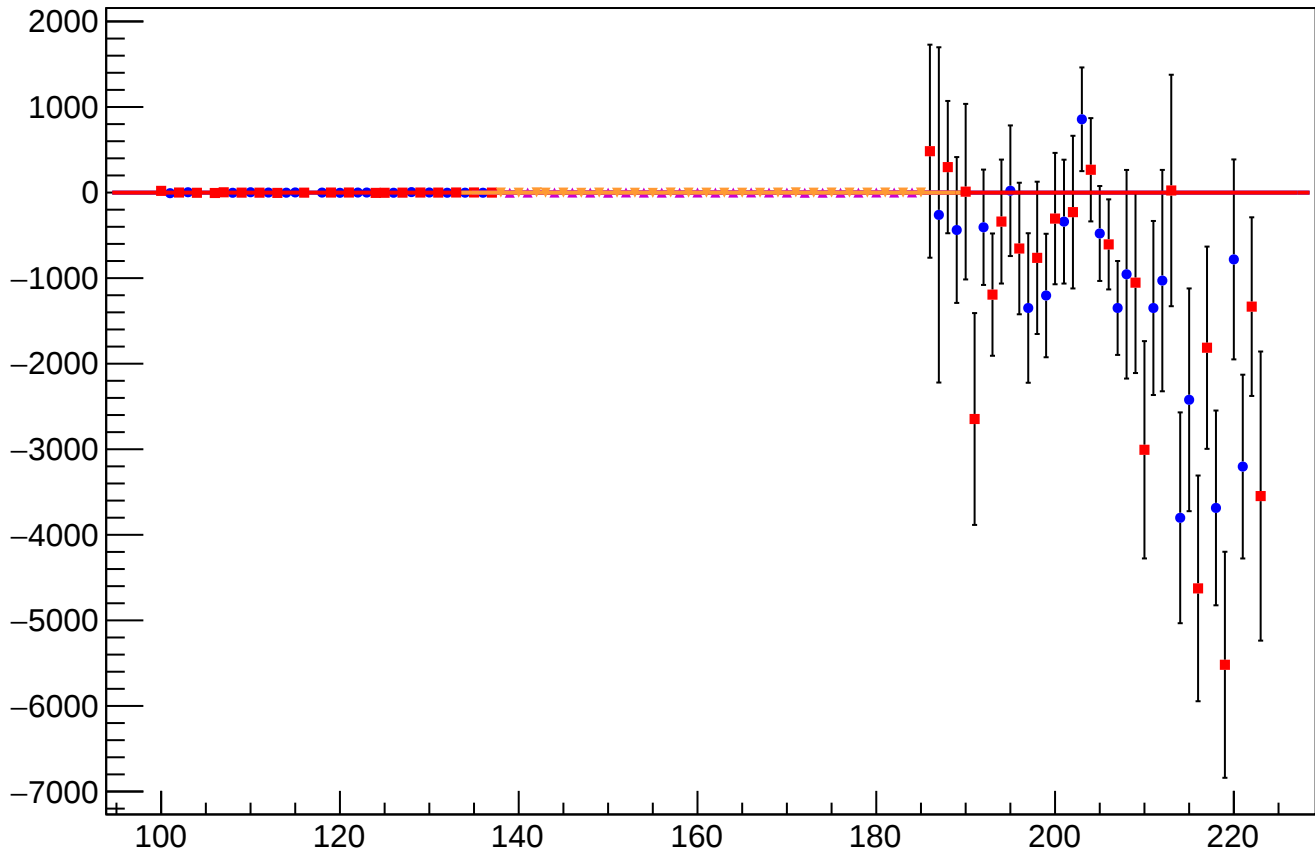
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

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

All: 10.299 ± 0.004 χ^2/NDF : 144281934.7/1

- sign 10.224 ± 0.006 χ^2/NDF : 71242750.3/60

diff_cav4cX_mean vs Slug



Right In: -0.719 ± 0.483 $\chi^2/\text{NDF}: 73.3/34$

Left Out: -0.775 ± 0.165 $\chi^2/\text{NDF}: 58.5/24$

Right Out: -0.643 ± 0.501 $\chi^2/\text{NDF}: 68.9/38$

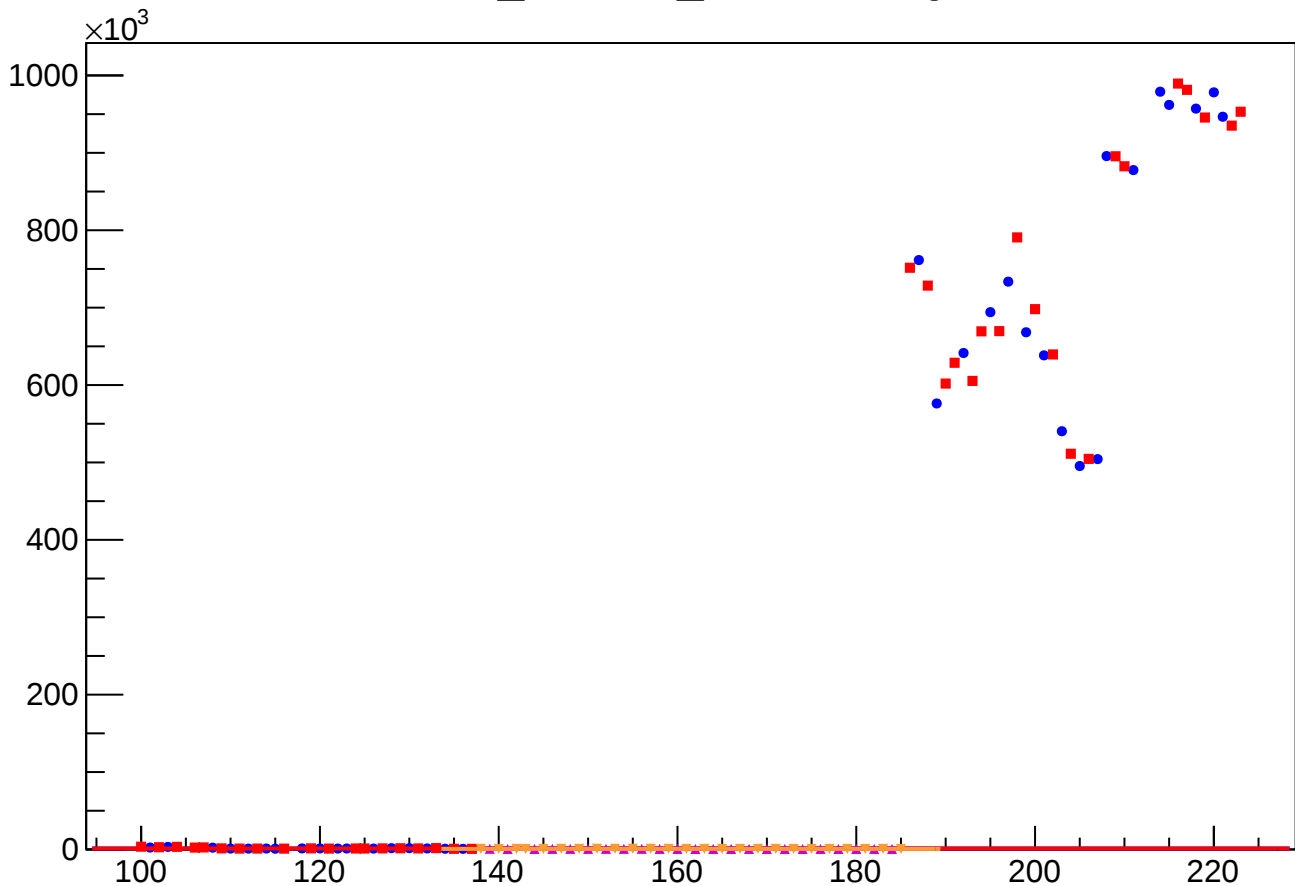
Left In: -0.018 ± 0.171 $\chi^2/\text{NDF}: 29.4/22$

+ sign -0.769 ± 0.156 $\chi^2/\text{NDF}: 131.8/59$

All: -0.439 ± 0.112 $\chi^2/\text{NDF}: 240.8/121$

- sign -0.083 ± 0.162 $\chi^2/\text{NDF}: 99.7/61$

diff_cav4cX_rms vs Slug



Right In: 1170.461 $\pm$ 0.342 χ^2 /NDF: 20403383.5/33

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

Right Out: 1251.570 $\pm$ 0.355 χ^2 /NDF: 21333247.1/37

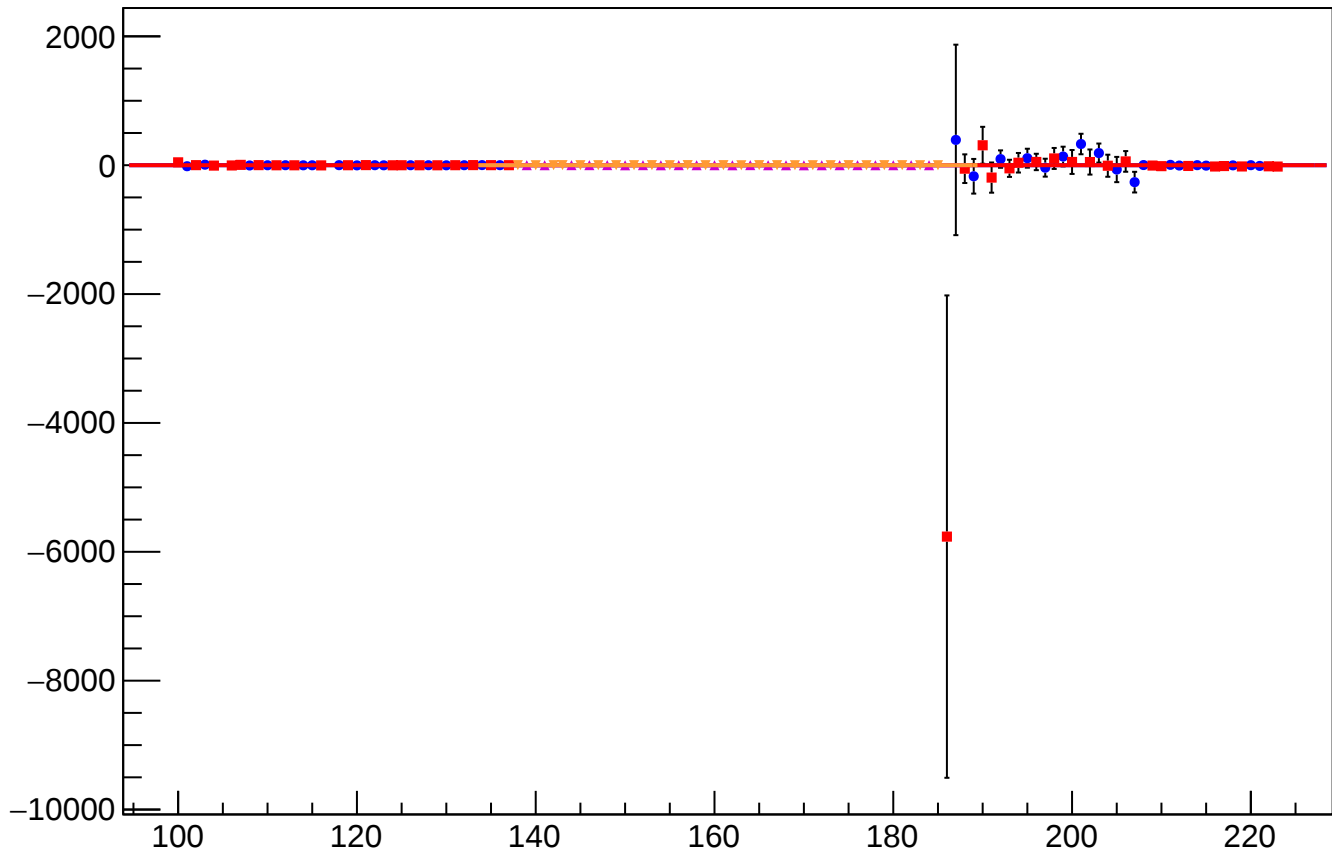
Left In: 706.971 $\pm$ 0.121 χ^2 /NDF:332011.4/22

+ sign 749.799 $\pm$ 0.110 χ^2 /NDF: 22488493.7/58

All: 756.428 $\pm$ 0.079 χ^2 /NDF: 46274898.6/1

- sign 763.567 $\pm$ 0.114 χ^2 /NDF: 23778883.1/60

diff_cav4cY_mean vs Slug



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

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

Right Out: -0.016 ± 0.262 χ^2/NDF : 98.1/38

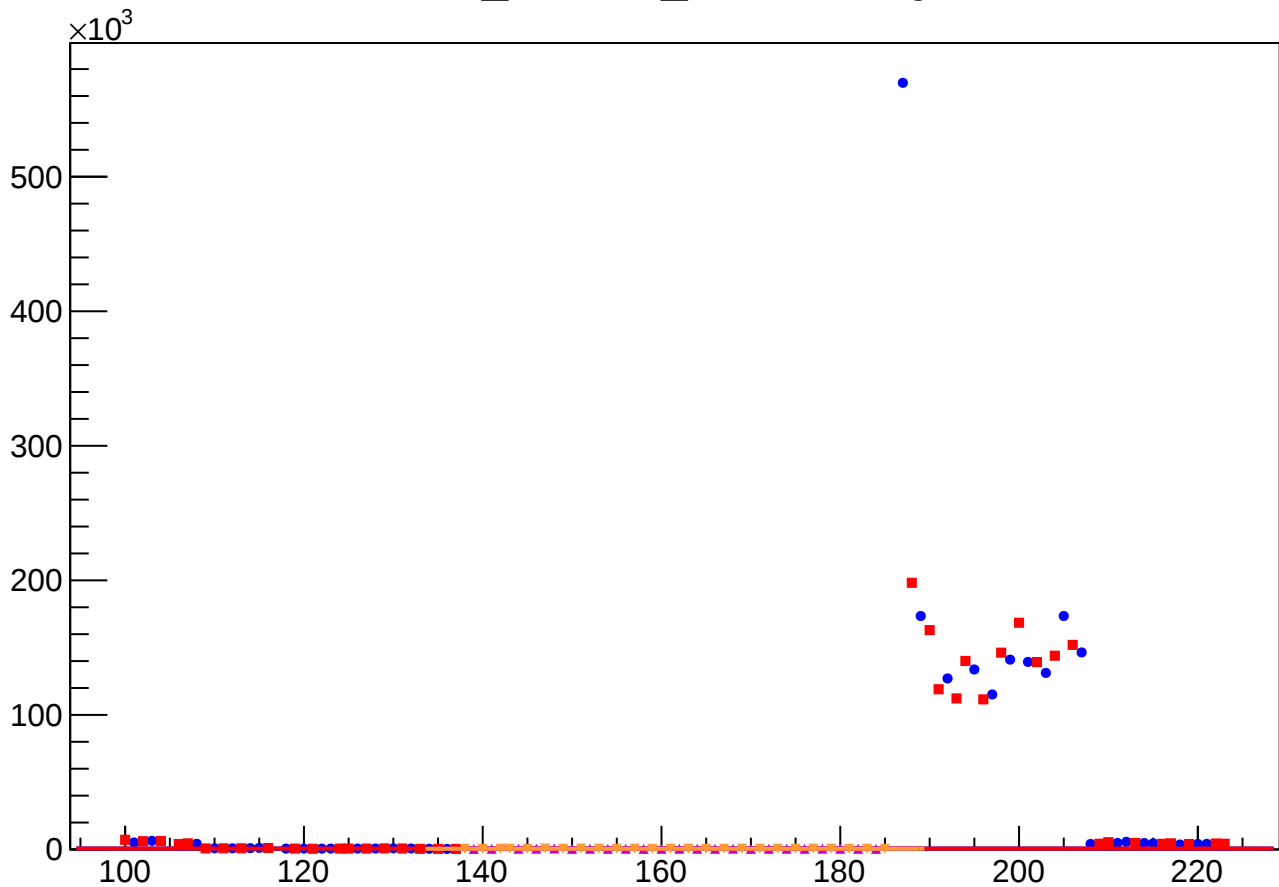
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

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

All: 0.136 ± 0.080 χ^2/NDF : 193.0/121

- sign 0.099 ± 0.114 χ^2/NDF : 133.3/61

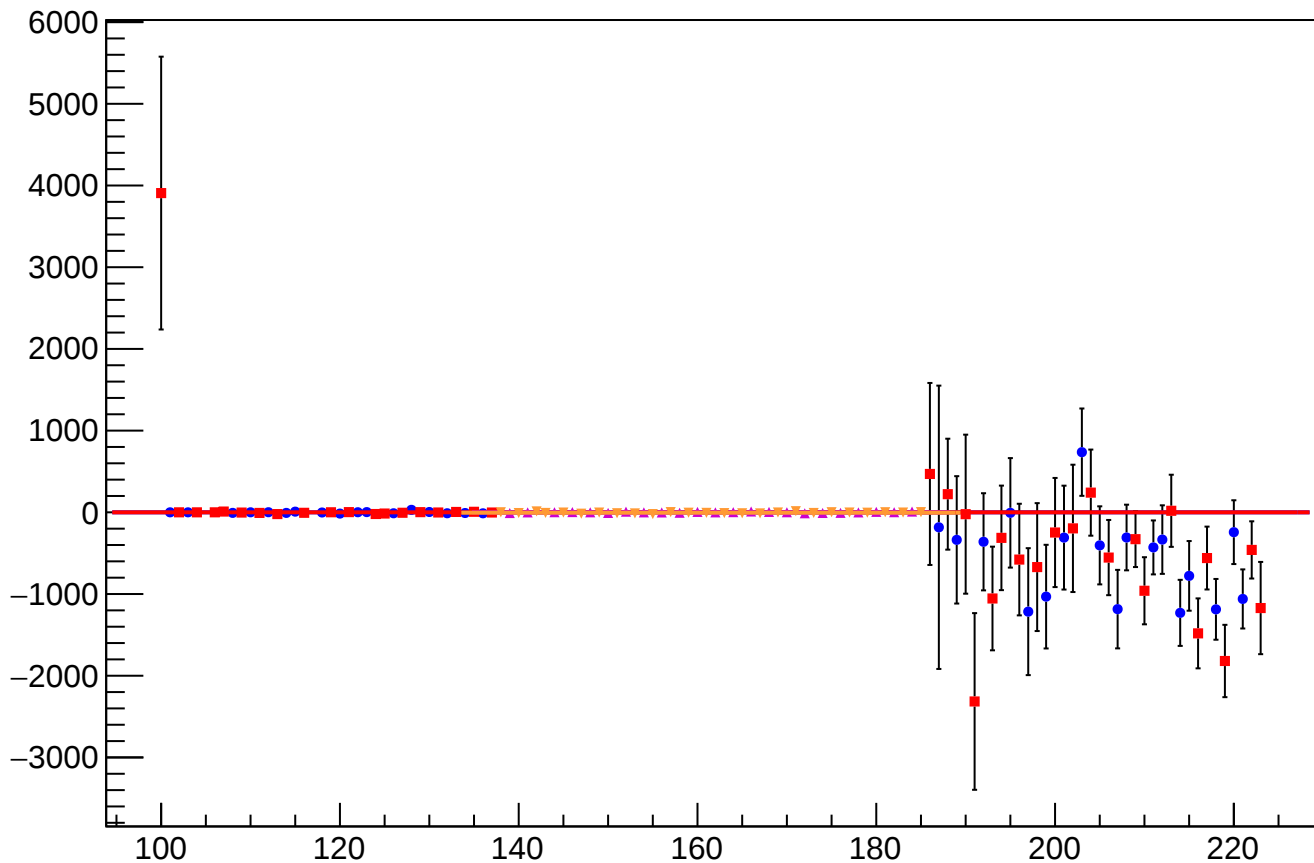
diff_cav4cY_rms vs Slug



Right In: 695.956 ± 0.188 χ^2/NDF : 25690124.9/34
 Left Out: 522.220 ± 0.087 χ^2/NDF : 330405.3/24
 Right Out: 675.843 ± 0.185 χ^2/NDF : 26459133.4/37
 Left In: 520.700 ± 0.089 χ^2/NDF : 427720.5/22

+ sign 552.669 ± 0.079 χ^2/NDF : 26724373.6/59
 All: 551.322 ± 0.056 χ^2/NDF : 54181595.1/12
 - sign 549.919 ± 0.080 χ^2/NDF : 27456624.1/60

diff_cav4dX_mean vs Slug



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 65.2/34

Left Out: -4.480 $\pm$ 0.957 χ^2 /NDF: 58.4/24

Right Out: -0.027 $\pm$ 0.020 χ^2 /NDF: 72.0/38

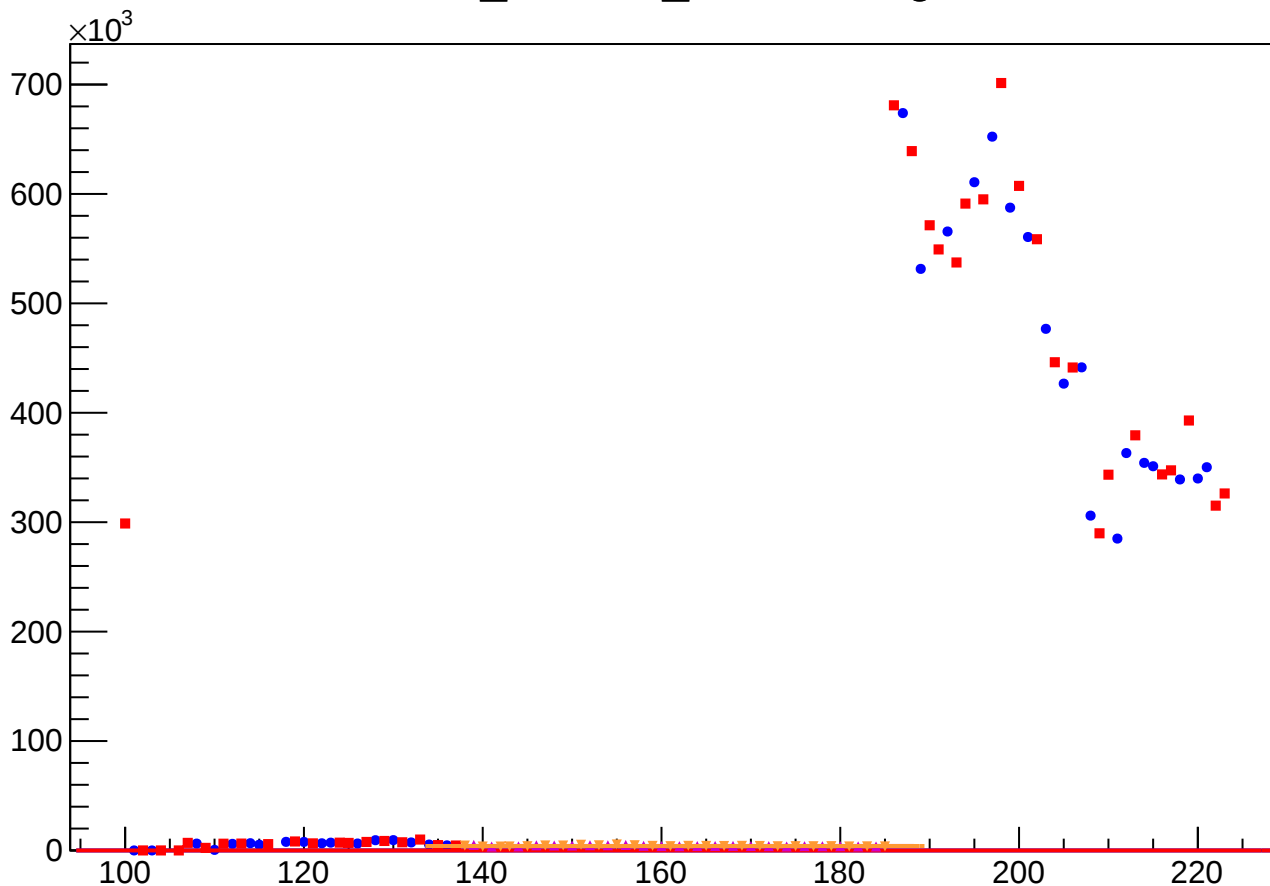
Left In: -0.183 $\pm$ 0.994 χ^2 /NDF: 29.5/22

+ sign -0.024 $\pm$ 0.021 χ^2 /NDF: 145.3/59

All: -0.025 $\pm$ 0.014 χ^2 /NDF: 246.9/121

- sign -0.027 $\pm$ 0.020 χ^2 /NDF: 101.6/61

diff_cav4dX_rms vs Slug



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

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

Right Out: 17.279+/-0.014 χ^2/NDF : 37791813.9/38

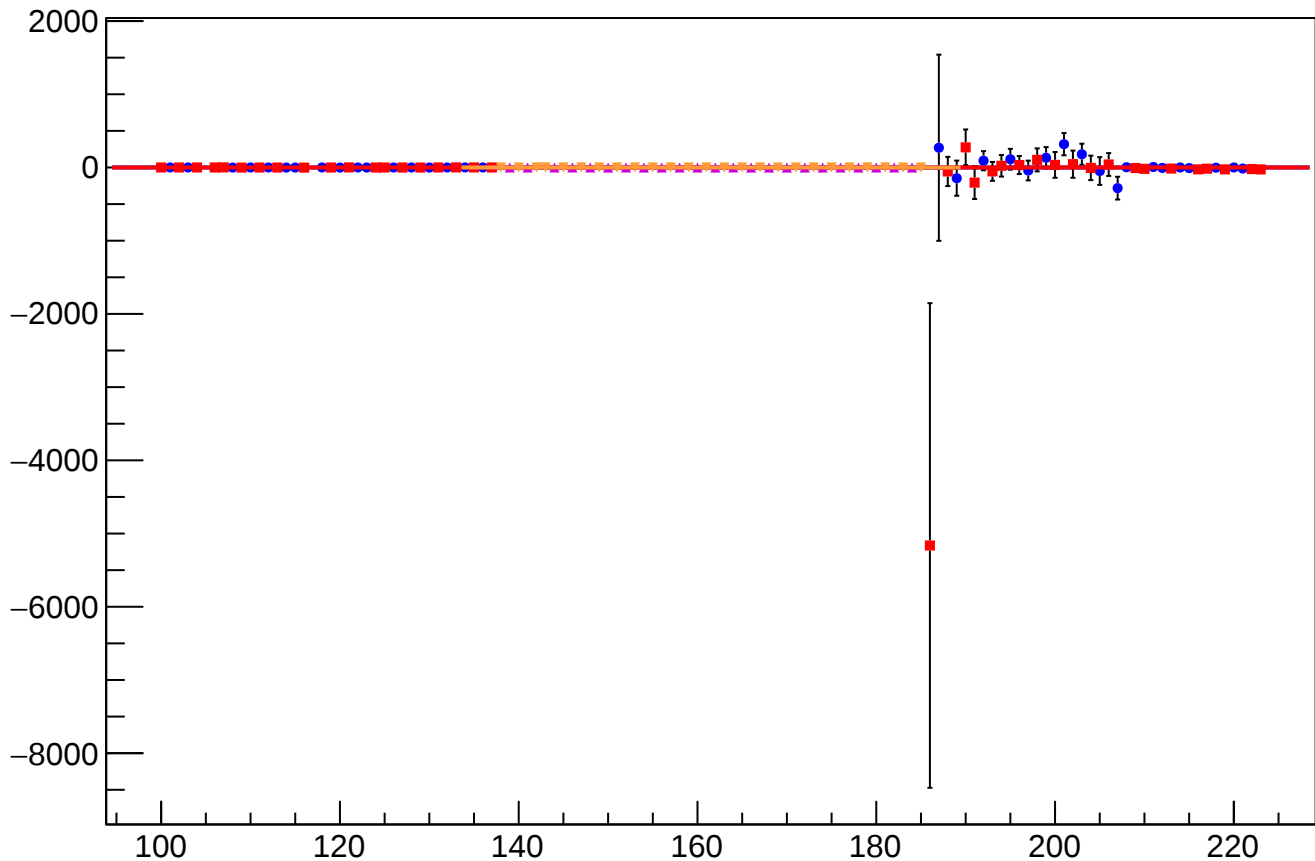
Left In: 4113.993+/-0.703 χ^2/NDF :349160.6/22

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

All: 19.075+/-0.010 χ^2/NDF : 145257968.6/12

- sign 18.900+/-0.014 χ^2/NDF : 72096760.6/61

diff_cav4dY_mean vs Slug



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

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

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 99.9/38

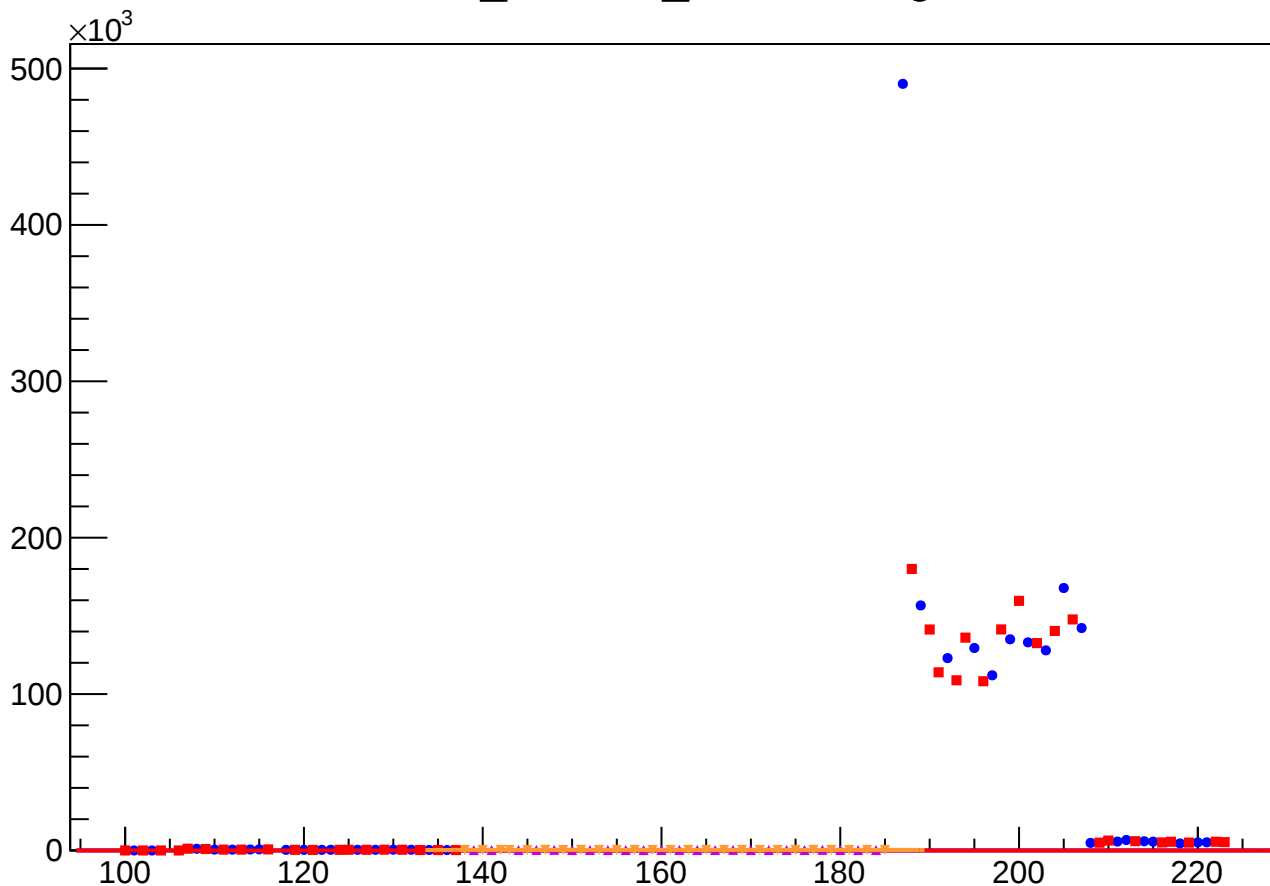
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF:34.6/22

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

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 192.6/121

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 135.6/61

diff_cav4dY_rms vs Slug



Right In: 1.704 $\pm$ 0.001 χ^2 /NDF: 37018175.2/34

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

Right Out: 1.732 $\pm$ 0.001 χ^2 /NDF: 36721029.8/37

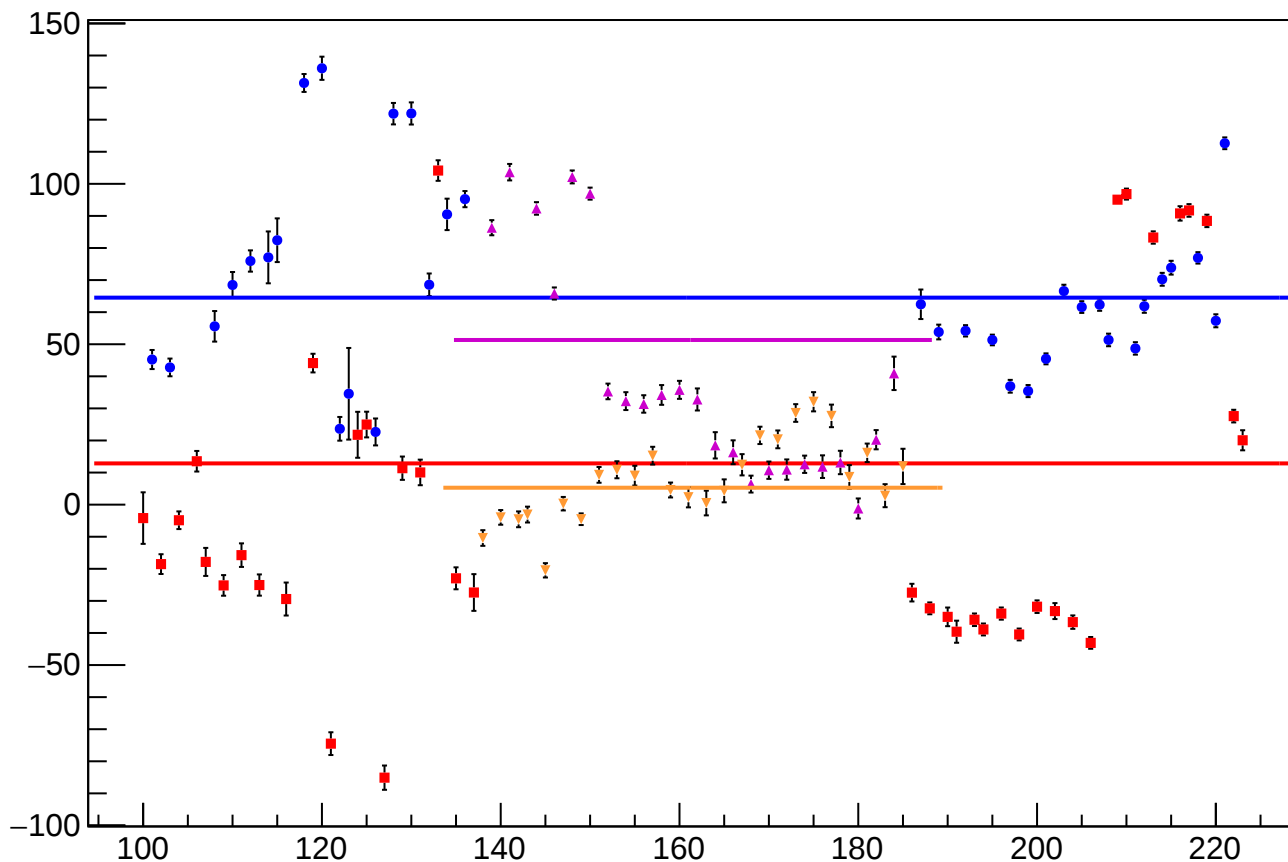
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF:413350.0/22

+ sign 1.931 $\pm$ 0.001 χ^2 /NDF: 73229022.2/59

All: 1.929 $\pm$ 0.001 χ^2 /NDF: 144087150.8/120

- sign 1.928 $\pm$ 0.001 χ^2 /NDF: 70858126.2/60

diff_bpm0i01X_mean vs Slug



Right In: 64.525 $\pm$ 0.409 χ^2 /NDF: 3637.6/34

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

Right Out: 12.855 $\pm$ 0.396 χ^2 /NDF: 21479.6/38

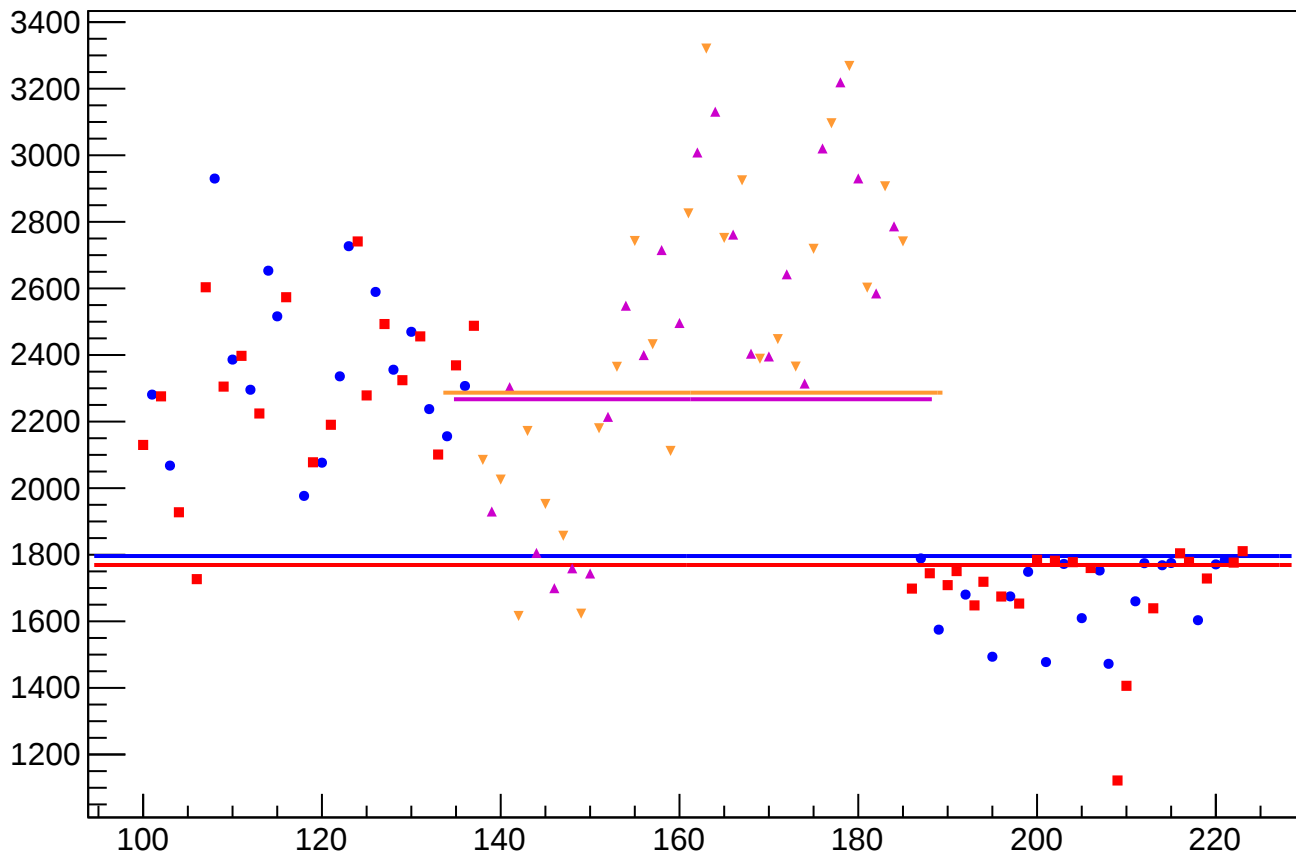
Left In: 51.328 $\pm$ 0.558 χ^2 /NDF: 4257.8/22

+ sign 43.122 $\pm$ 0.327 χ^2 /NDF: 11766.1/59

All: 34.330 $\pm$ 0.230 χ^2 /NDF: 42088.6/121

- sign 25.746 $\pm$ 0.323 χ^2 /NDF: 28894.4/61

diff_bpm0i01X_rms vs Slug



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

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

Right Out: 1769.213+/-0.280 χ^2/NDF : 1359006.7/38

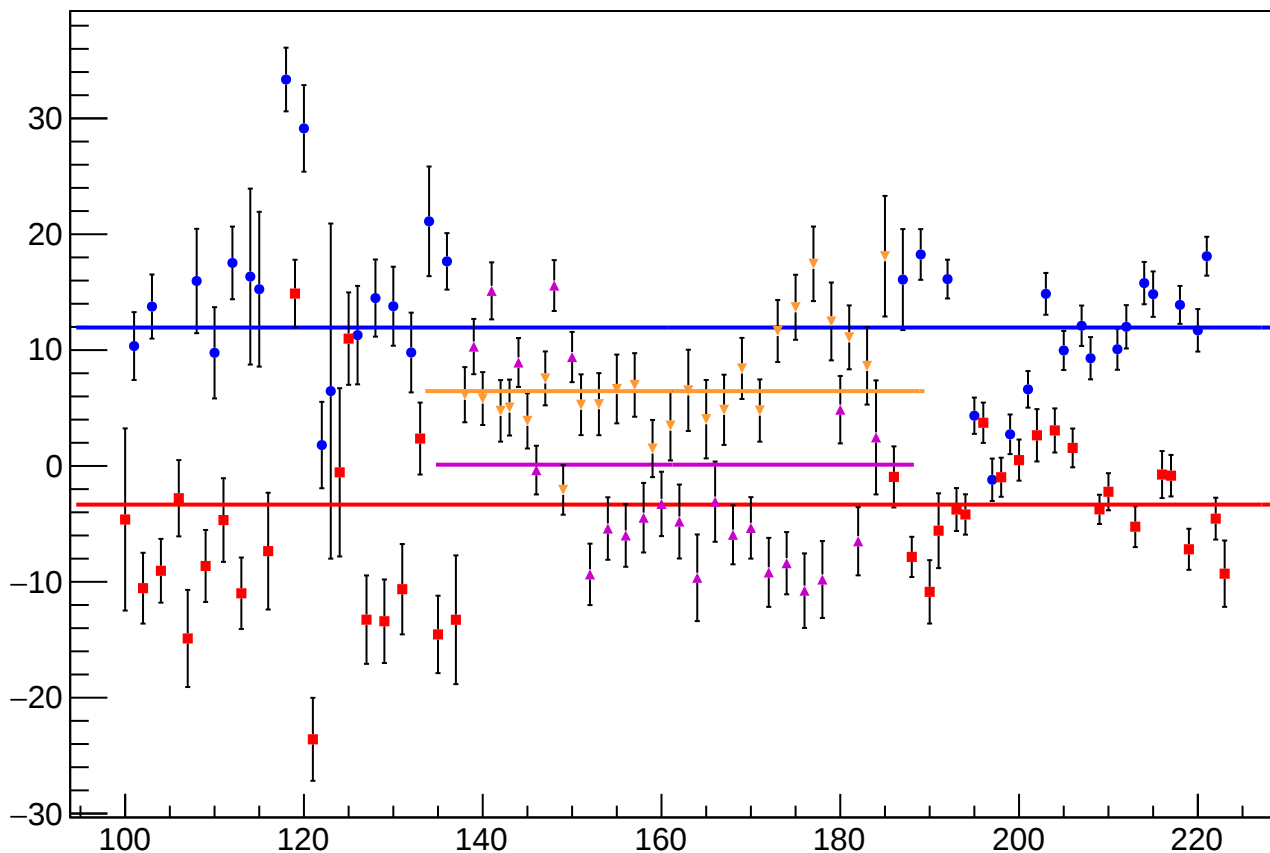
Left In: 2267.097+/-0.395 χ^2/NDF :1313364.4/22

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

All: 1954.512+/-0.163 χ^2/NDF : 7142546.2/12

- sign 1936.035+/-0.229 χ^2/NDF : 3729795.3/61

diff_bpm0i01Y_mean vs Slug



Right In: 11.949 ± 0.382 $\chi^2/\text{NDF}: 265.3/34$

Left Out: 6.458 ± 0.548 $\chi^2/\text{NDF}: 58.7/24$

Right Out: -3.334 ± 0.372 $\chi^2/\text{NDF}: 228.1/38$

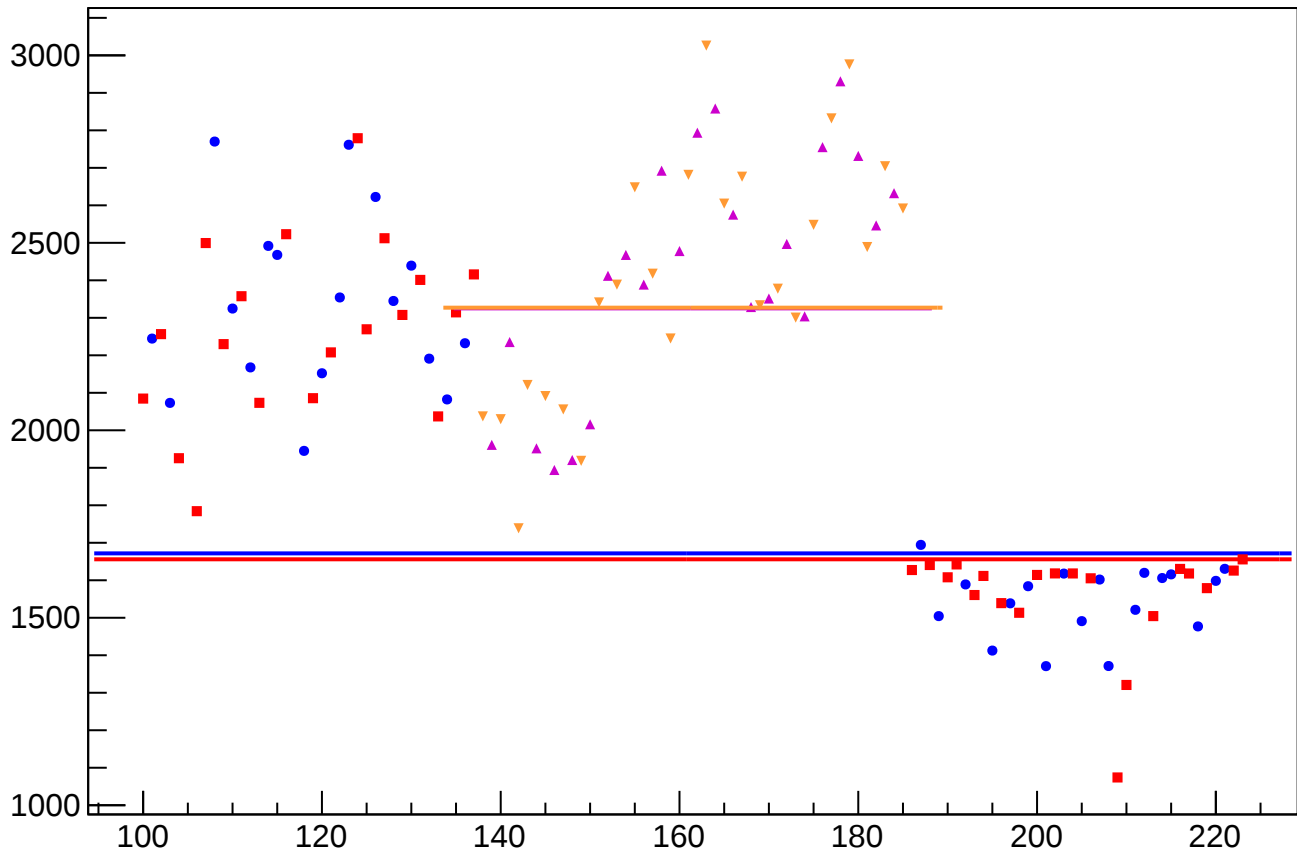
Left In: 0.110 ± 0.565 $\chi^2/\text{NDF}: 234.6/22$

+ sign 10.152 ± 0.313 $\chi^2/\text{NDF}: 391.7/59$

All: 3.876 ± 0.221 $\chi^2/\text{NDF}: 1676.6/121$

- sign -2.294 ± 0.311 $\chi^2/\text{NDF}: 488.6/61$

diff_bpm0i01Y_rms vs Slug



Right In: 1671.725 $\pm$ 0.270 χ^2 /NDF: 1270010.5/34

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

Right Out: 1655.924 $\pm$ 0.263 χ^2 /NDF: 1563717.2/38

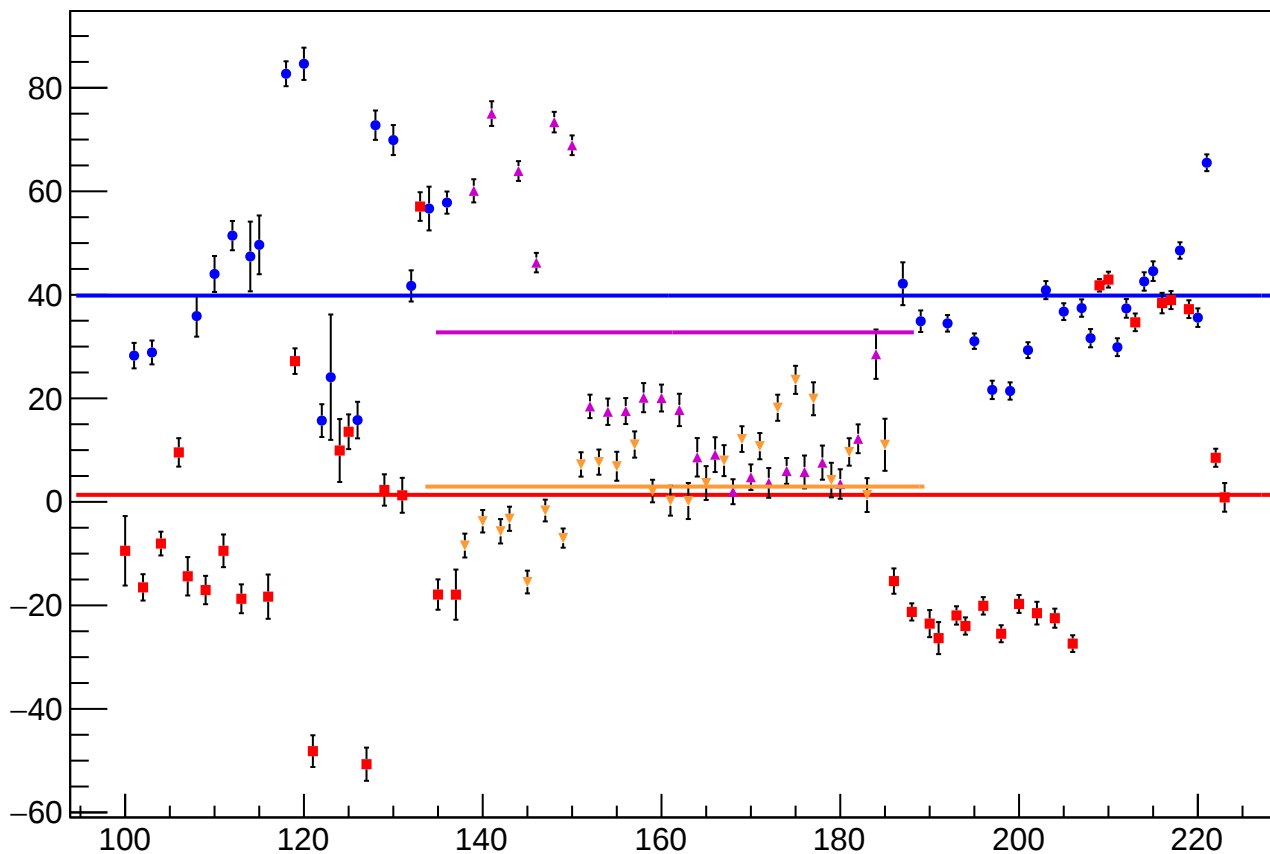
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 1886.120 $\pm$ 0.221 χ^2 /NDF: 3844169.5/59

All: 1871.940 $\pm$ 0.156 χ^2 /NDF: 7984525.0/12

- sign 1857.998 $\pm$ 0.220 χ^2 /NDF: 4132224.6/61

diff_bpm0i01aX_mean vs Slug



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

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

Right Out: 1.354 $\pm$ 0.349 χ^2 /NDF: 6847.0/38

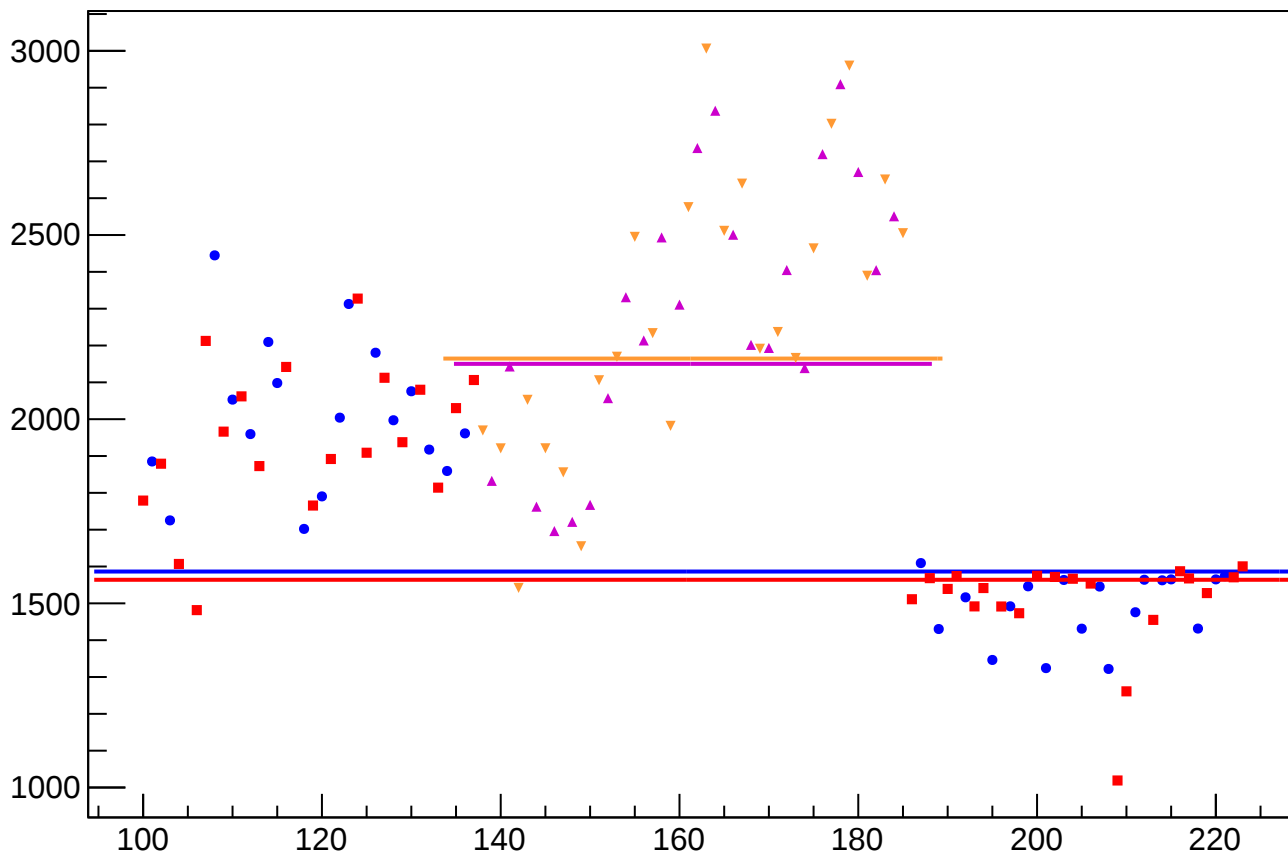
Left In: 32.745 $\pm$ 0.526 χ^2 /NDF:2632.5/22

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

All: 19.191 $\pm$ 0.207 χ^2 /NDF: 19106.6/121

- sign 10.947 $\pm$ 0.291 χ^2 /NDF: 11951.5/61

diff_bpm0i01aX_rms vs Slug



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

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

Right Out: 1563.973 $\pm$ 0.247 χ^2 /NDF: 1082383.1/38

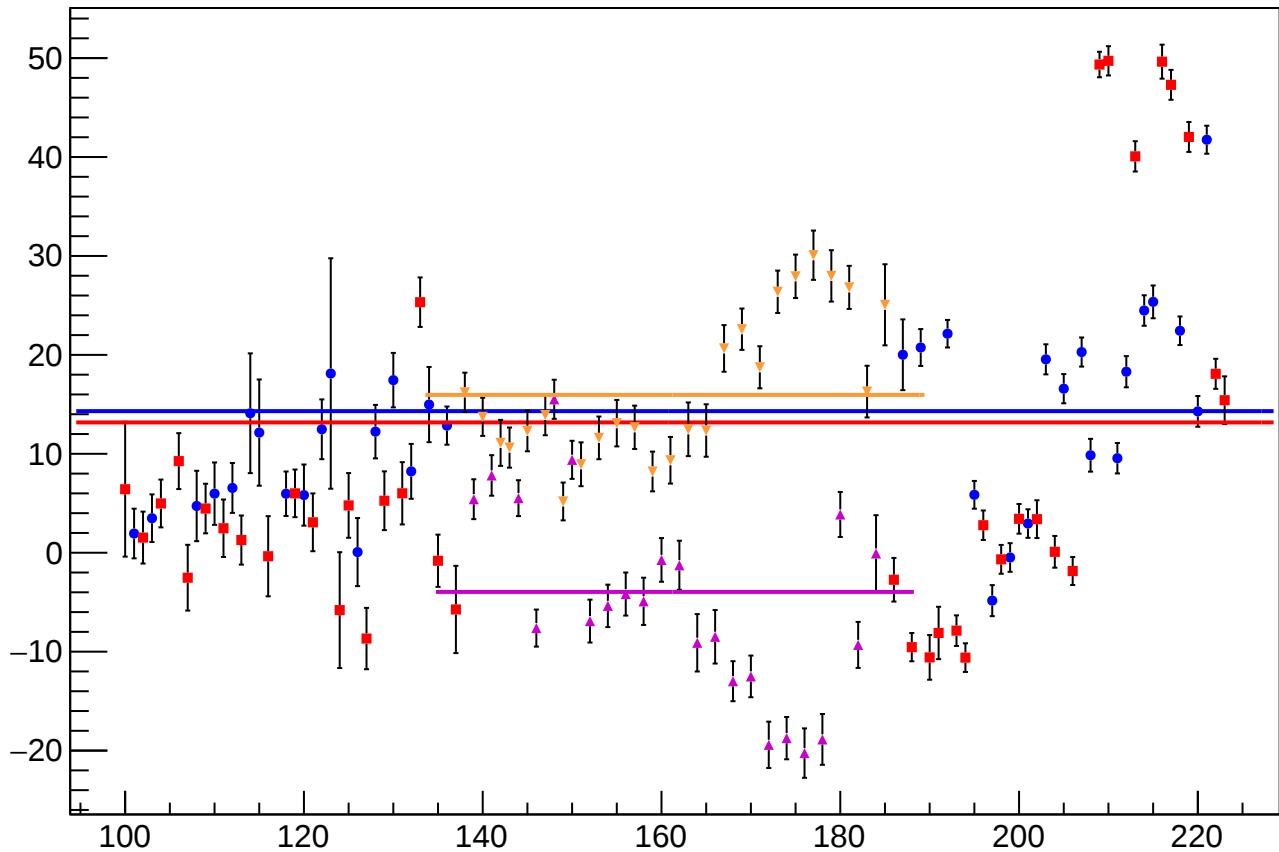
Left In: 2150.190 $\pm$ 0.372 χ^2 /NDF: 911849.7/22

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

All: 1760.223 $\pm$ 0.146 χ^2 /NDF: 7169474.6/12

- sign 1743.130 $\pm$ 0.206 χ^2 /NDF: 3718380.3/61

diff_bpm0i01aY_mean vs Slug



Right In: 14.314 ± 0.325 $\chi^2/\text{NDF}: 1062.7/34$

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

Right Out: 13.173 ± 0.318 $\chi^2/\text{NDF}: 4648.0/38$

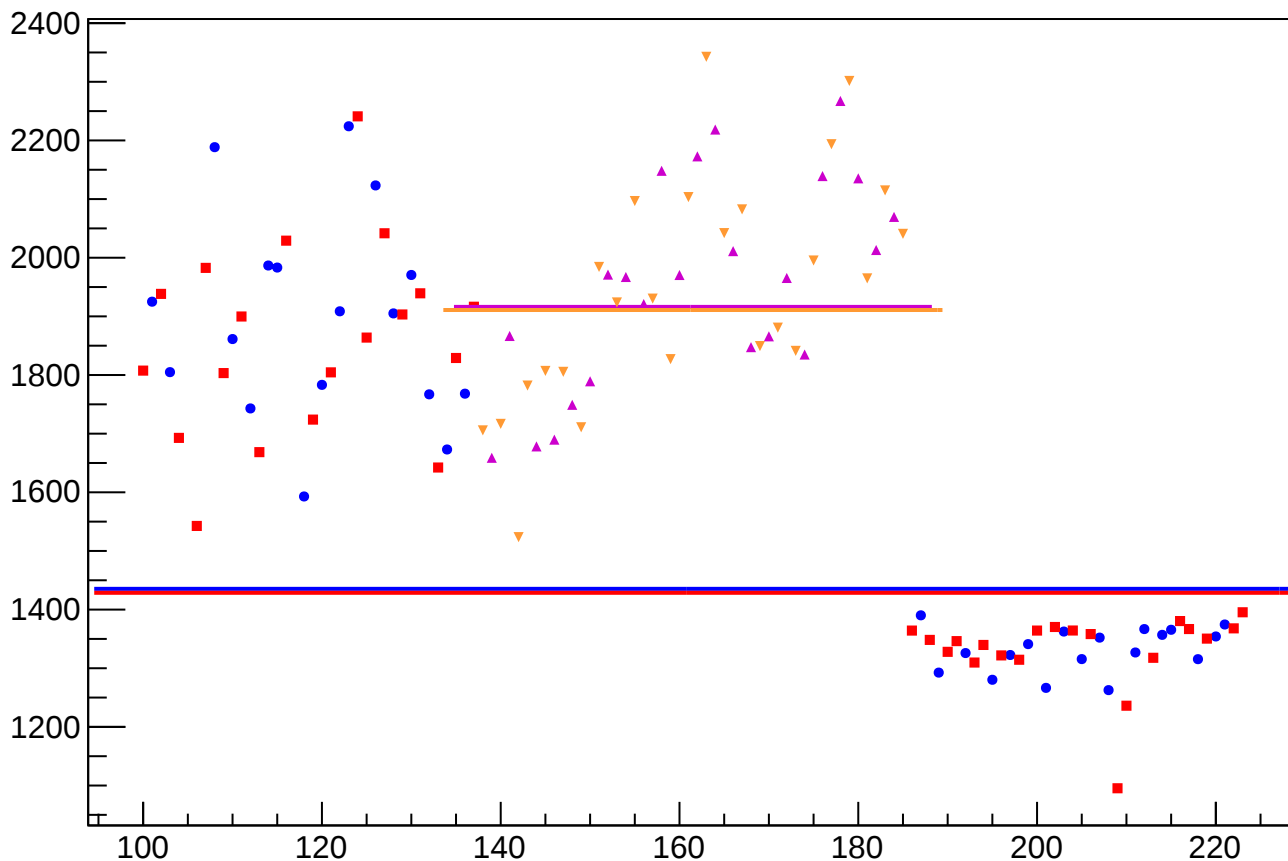
Left In: -3.960 ± 0.463 $\chi^2/\text{NDF}: 464.9/22$

+ sign 14.882 ± 0.263 $\chi^2/\text{NDF}: 1316.7/59$

All: 11.267 ± 0.186 $\chi^2/\text{NDF}: 7736.7/121$

- sign 7.683 ± 0.262 $\chi^2/\text{NDF}: 6044.2/61$

diff_bpm0i01aY_rms vs Slug



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

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

Right Out: 1428.637 $\pm$ 0.225 χ^2 /NDF: 989825.1/38

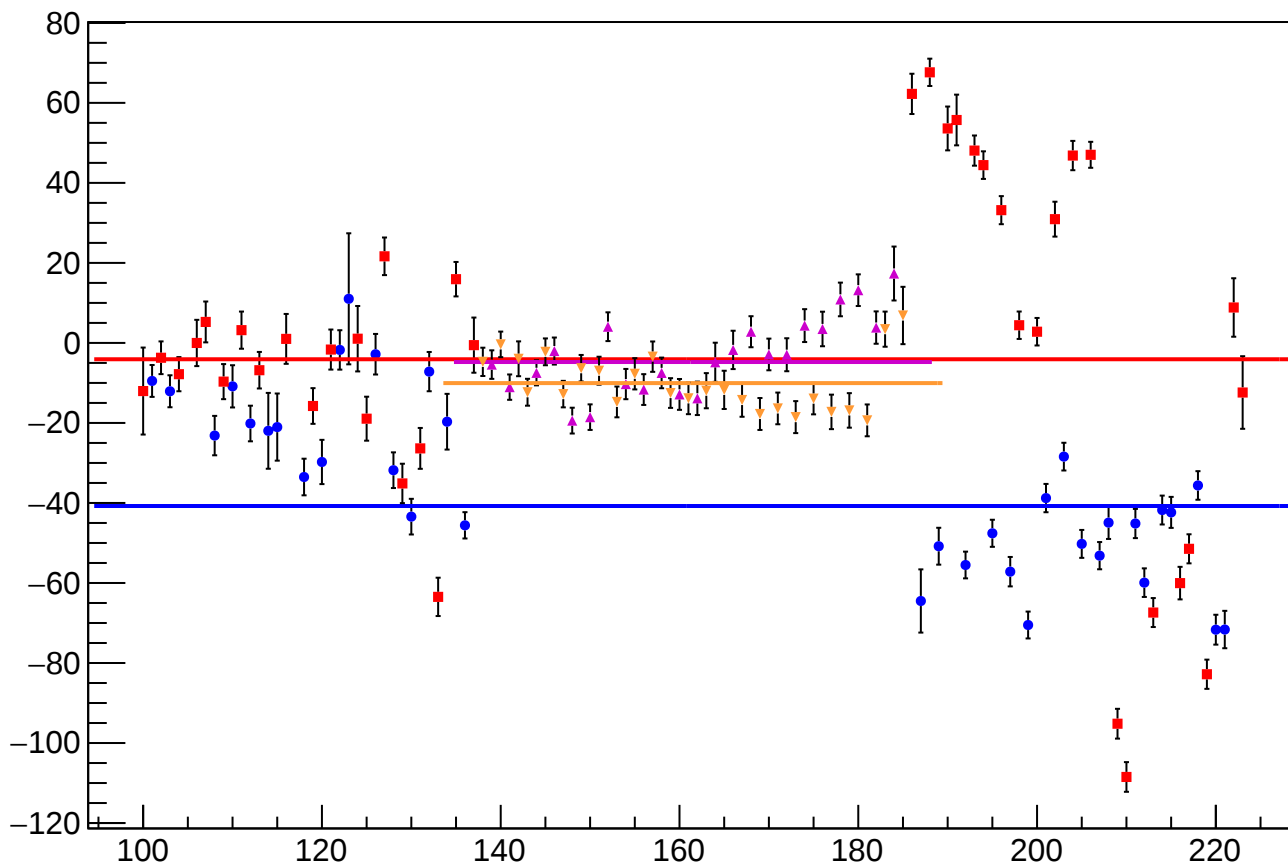
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF:274285.3/22

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

All: 1592.326 $\pm$ 0.131 χ^2 /NDF: 5489818.0/12

- sign 1584.864 $\pm$ 0.185 χ^2 /NDF: 2772106.1/61

diff_bpm0l01X_mean vs Slug



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

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

Right Out: -4.084 ± 0.704 χ^2/NDF : 4646.2/38

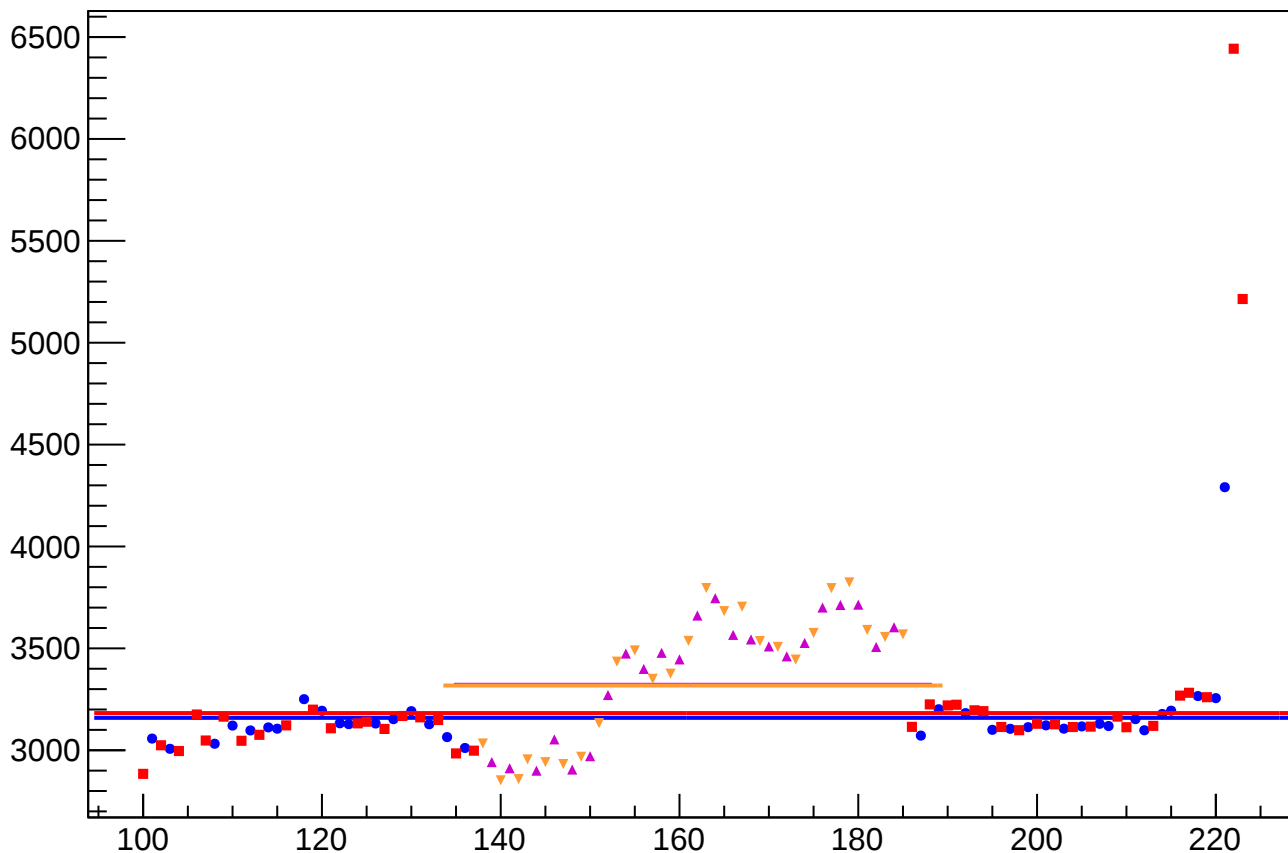
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

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

All: -15.681 ± 0.372 χ^2/NDF : 7302.4/121

- sign -4.385 ± 0.529 χ^2/NDF : 4775.1/61

diff_bpm0l01X_rms vs Slug



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

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

Right Out: 3182.511 $\pm$ 0.498 χ^2 /NDF: 527996.4/38

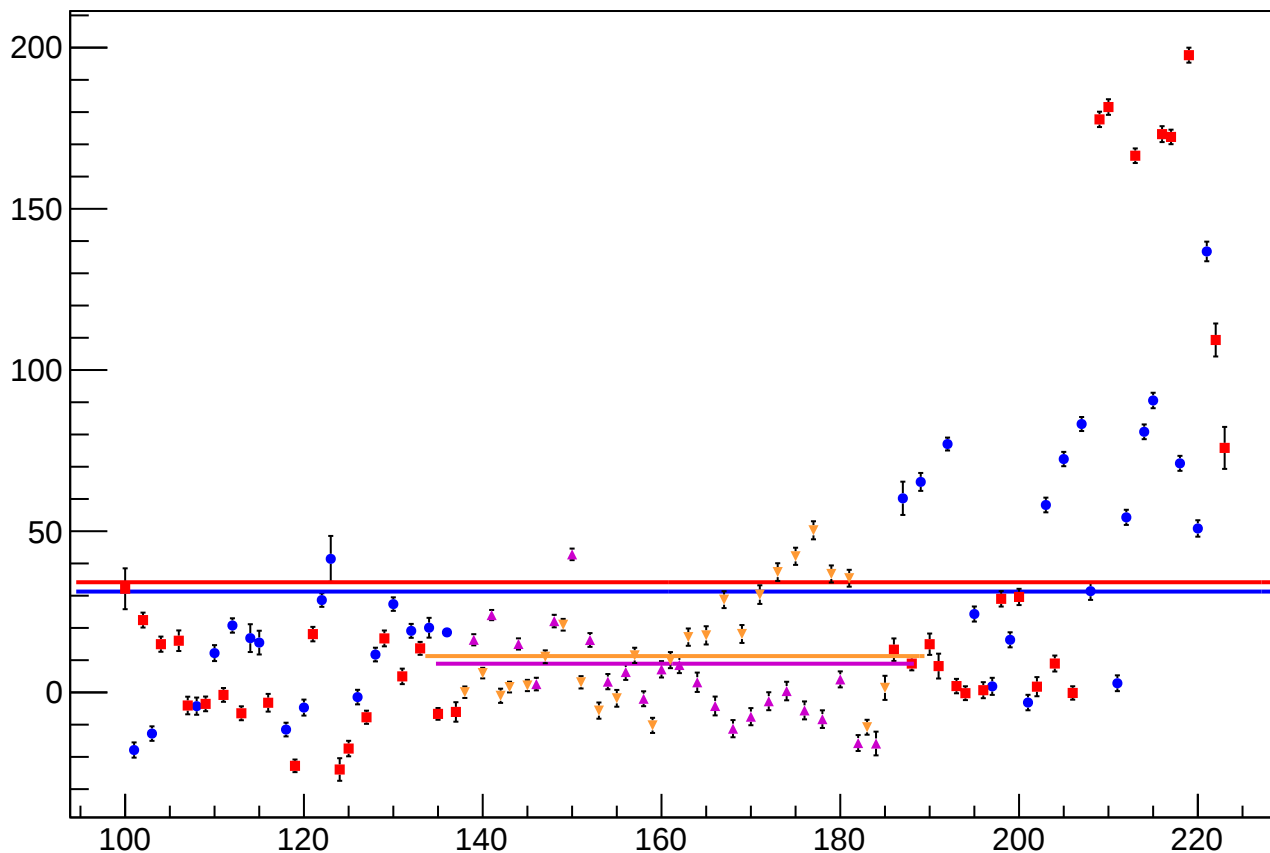
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF: 284334.2/22

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

All: 3237.105 $\pm$ 0.263 χ^2 /NDF: 1365337.2/12

- sign 3243.007 $\pm$ 0.374 χ^2 /NDF: 846230.4/61

diff_bpm0l01Y_mean vs Slug



Right In: 31.282 ± 0.402 $\chi^2/\text{NDF}: 7159.6/34$

Left Out: 11.268 ± 0.454 $\chi^2/\text{NDF}: 1141.8/24$

Right Out: 34.174 ± 0.396 $\chi^2/\text{NDF}: 28715.3/38$

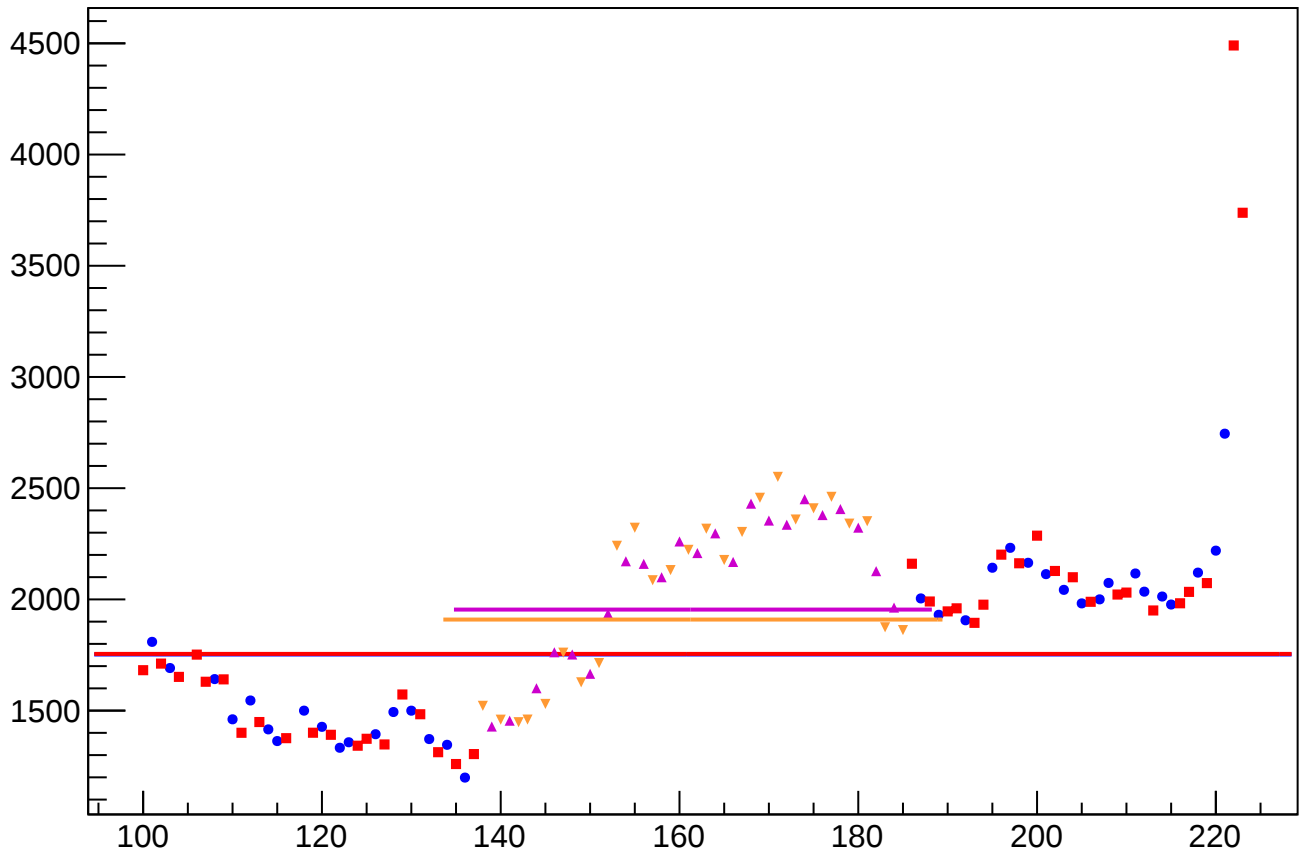
Left In: 8.905 ± 0.478 $\chi^2/\text{NDF}: 936.3/22$

+ sign 22.490 ± 0.301 $\chi^2/\text{NDF}: 9389.4/59$

All: 23.171 ± 0.214 $\chi^2/\text{NDF}: 40709.6/121$

- sign 23.869 ± 0.305 $\chi^2/\text{NDF}: 31309.9/61$

diff_bpm0l01Y_rms vs Slug



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

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

Right Out: 1754.958+/-0.280 χ^2/NDF : 2056856.3/38

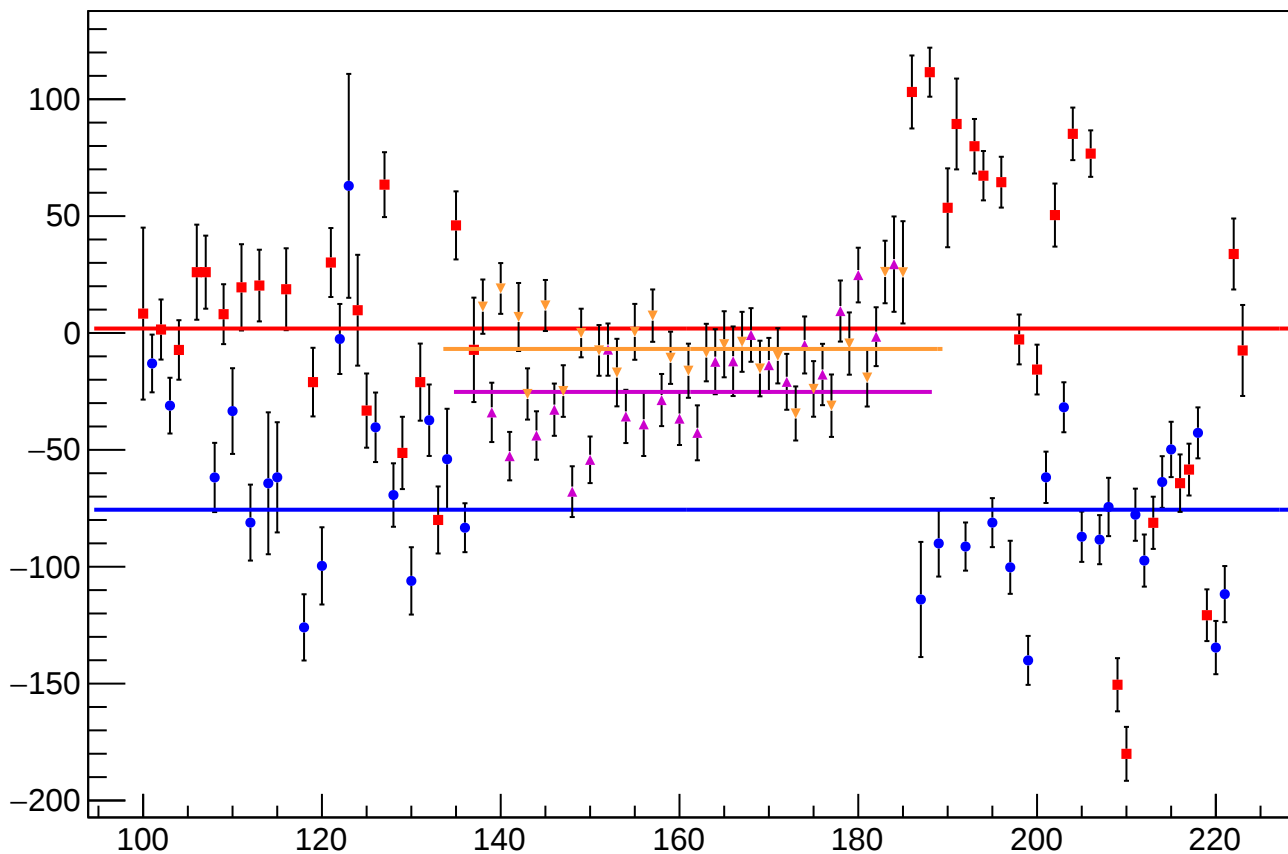
Left In: 1954.236+/-0.338 χ^2/NDF :1044826.7/22

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

All: 1828.678+/-0.152 χ^2/NDF : 6446363.8/12

- sign 1836.225+/-0.216 χ^2/NDF : 3307948.7/61

diff_bpm0l02X_mean vs Slug



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

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

Right Out: 1.905 ± 2.161 χ^2/NDF : 1188.9/38

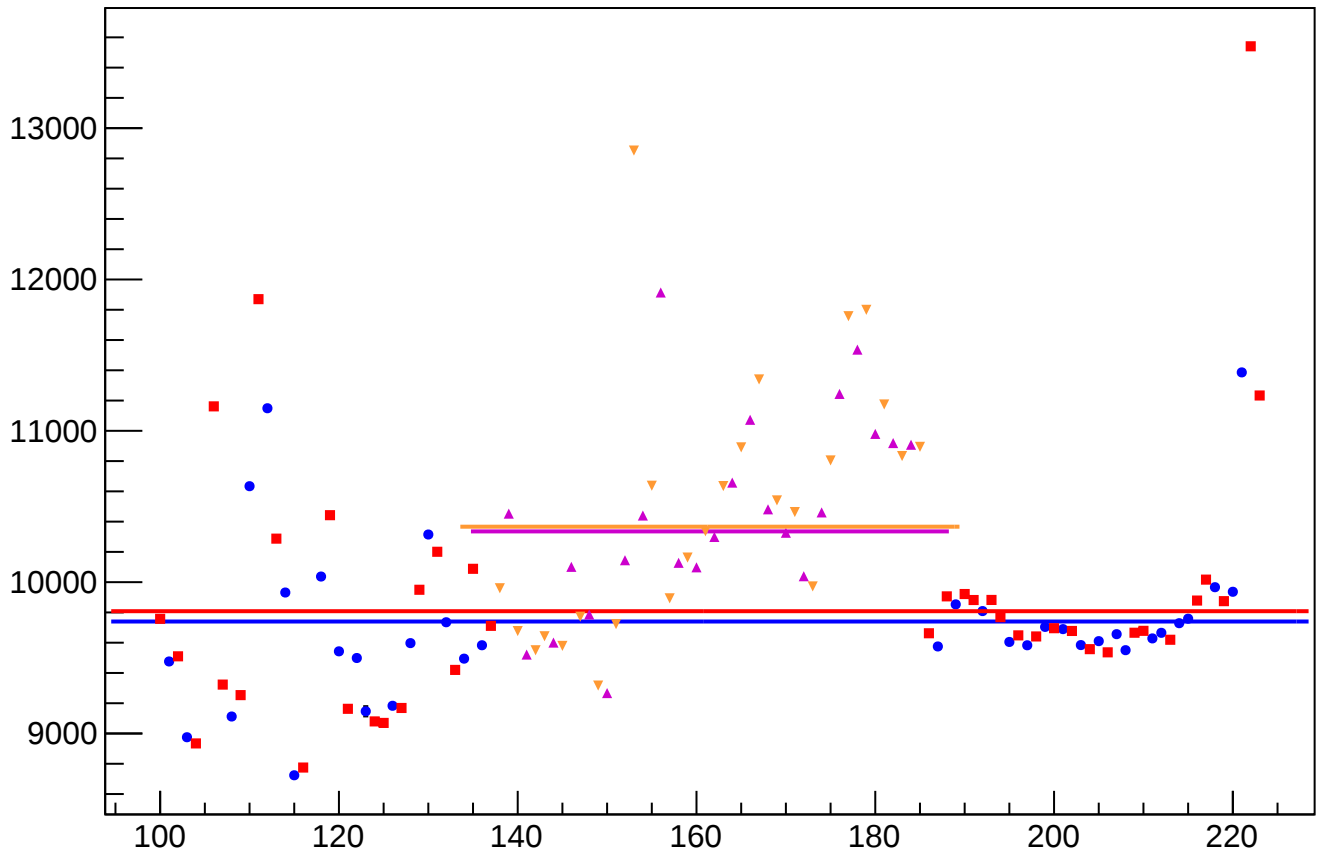
Left In: -25.215 ± 2.487 χ^2/NDF : 89.3/22

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

All: -27.344 ± 1.150 χ^2/NDF : 2299.5/121

- sign -9.767 ± 1.631 χ^2/NDF : 1346.0/61

diff_bpm0l02X_rms vs Slug



Right In: 9739.991 ± 1.546 $\chi^2/\text{NDF}: 86947.2/34$

Left Out: 10366.534 ± 1.713 $\chi^2/\text{NDF}: 211402.8/24$

Right Out: 9808.136 ± 1.528 $\chi^2/\text{NDF}: 218428.3/38$

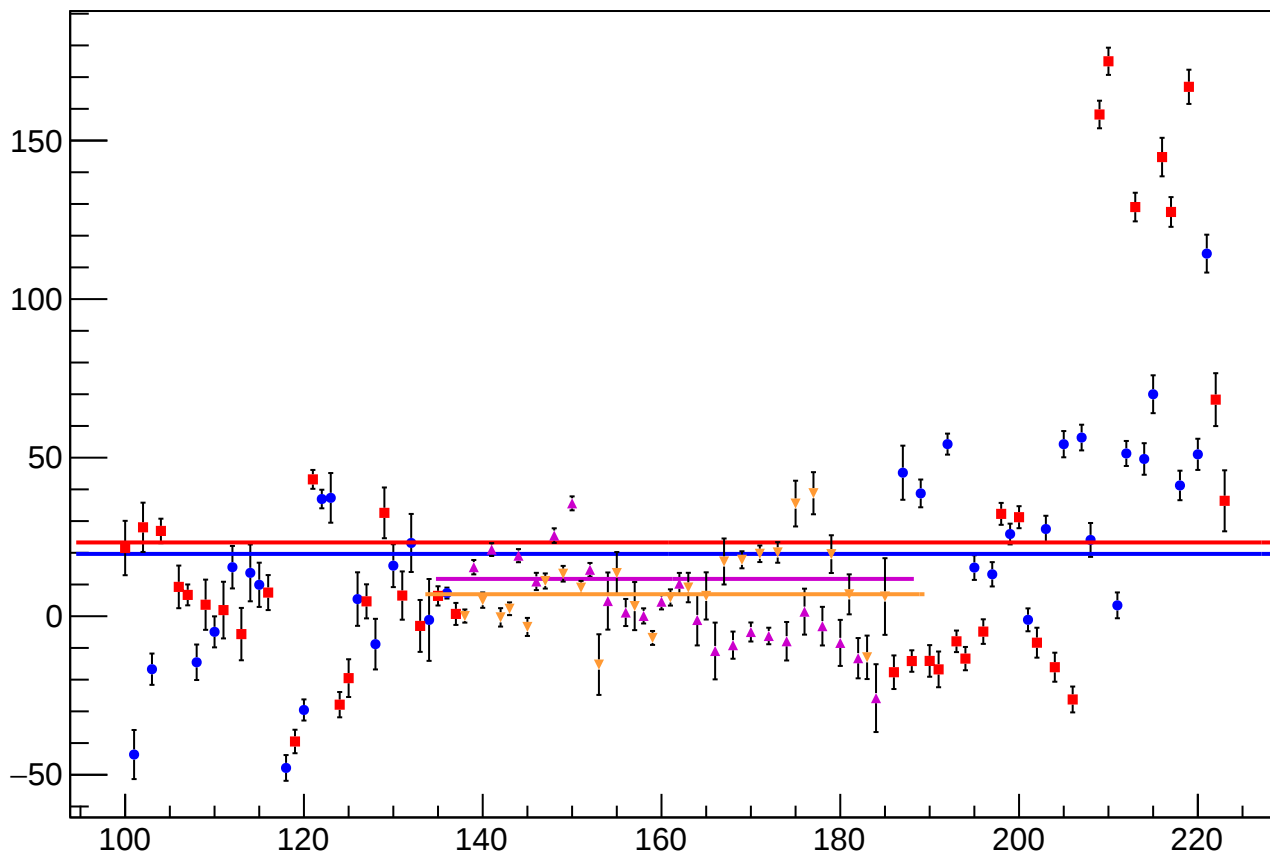
Left In: 10335.399 ± 1.758 $\chi^2/\text{NDF}: 127173.0/22$

+ sign 10021.156 ± 1.148 $\chi^2/\text{NDF}: 372095.3/59$

All: 10028.071 ± 0.814 $\chi^2/\text{NDF}: 768992.3/12$

- sign 10035.057 ± 1.153 $\chi^2/\text{NDF}: 396824.0/61$

diff_bpm0l02Y_mean vs Slug



Right In: 19.652 ± 0.733 χ^2/NDF : 1626.4/34

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

Right Out: 23.263 ± 0.732 χ^2/NDF : 5910.9/38

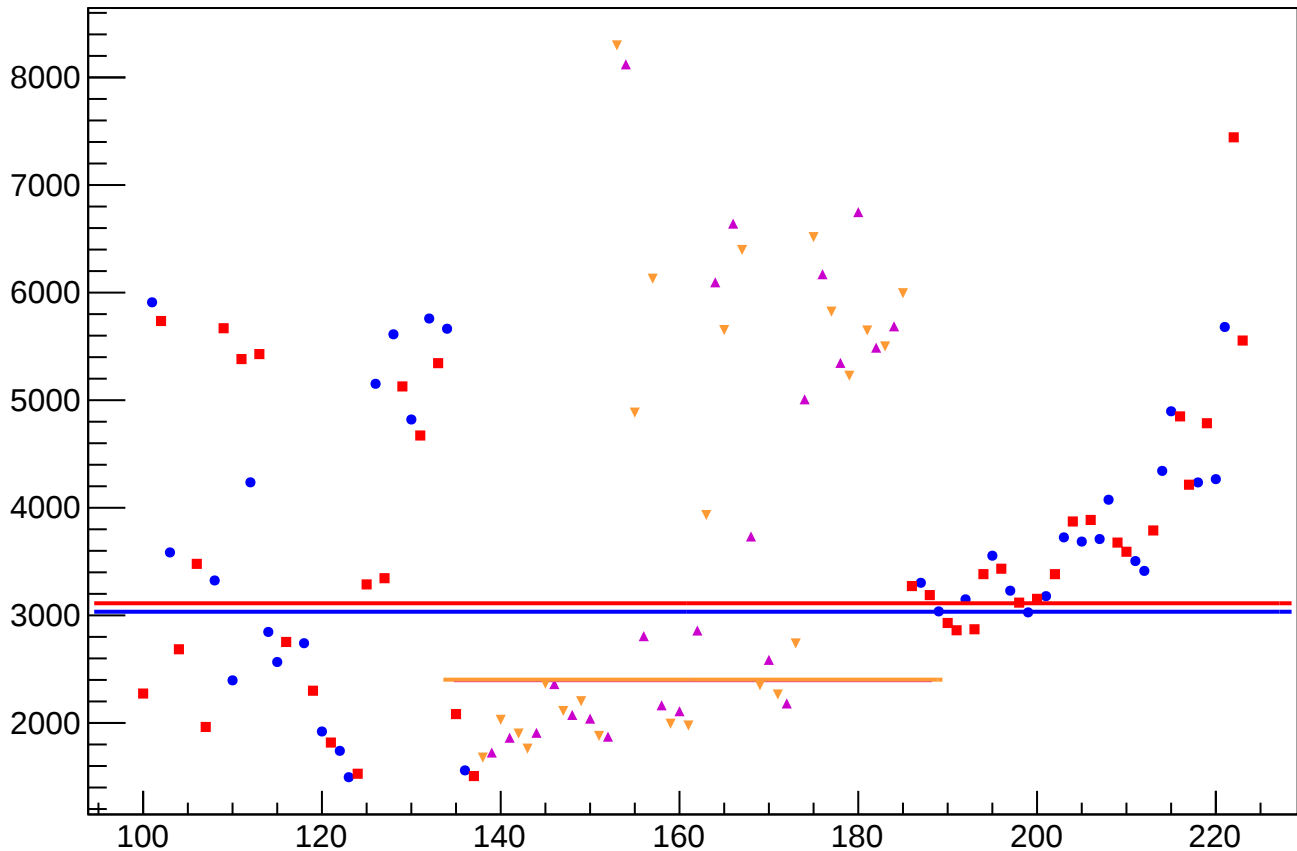
Left In: 11.766 ± 0.648 χ^2/NDF : 395.1/22

+ sign 12.423 ± 0.482 χ^2/NDF : 2001.2/59

All: 14.607 ± 0.342 χ^2/NDF : 8486.9/121

- sign 16.823 ± 0.485 χ^2/NDF : 6444.3/61

diff_bpm0l02Y_rms vs Slug



Right In: 3033.799 $\pm$ 0.519 χ^2 /NDF: 4634837.3/34

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

Right Out: 3112.573 $\pm$ 0.517 χ^2 /NDF: 4256074.7/38

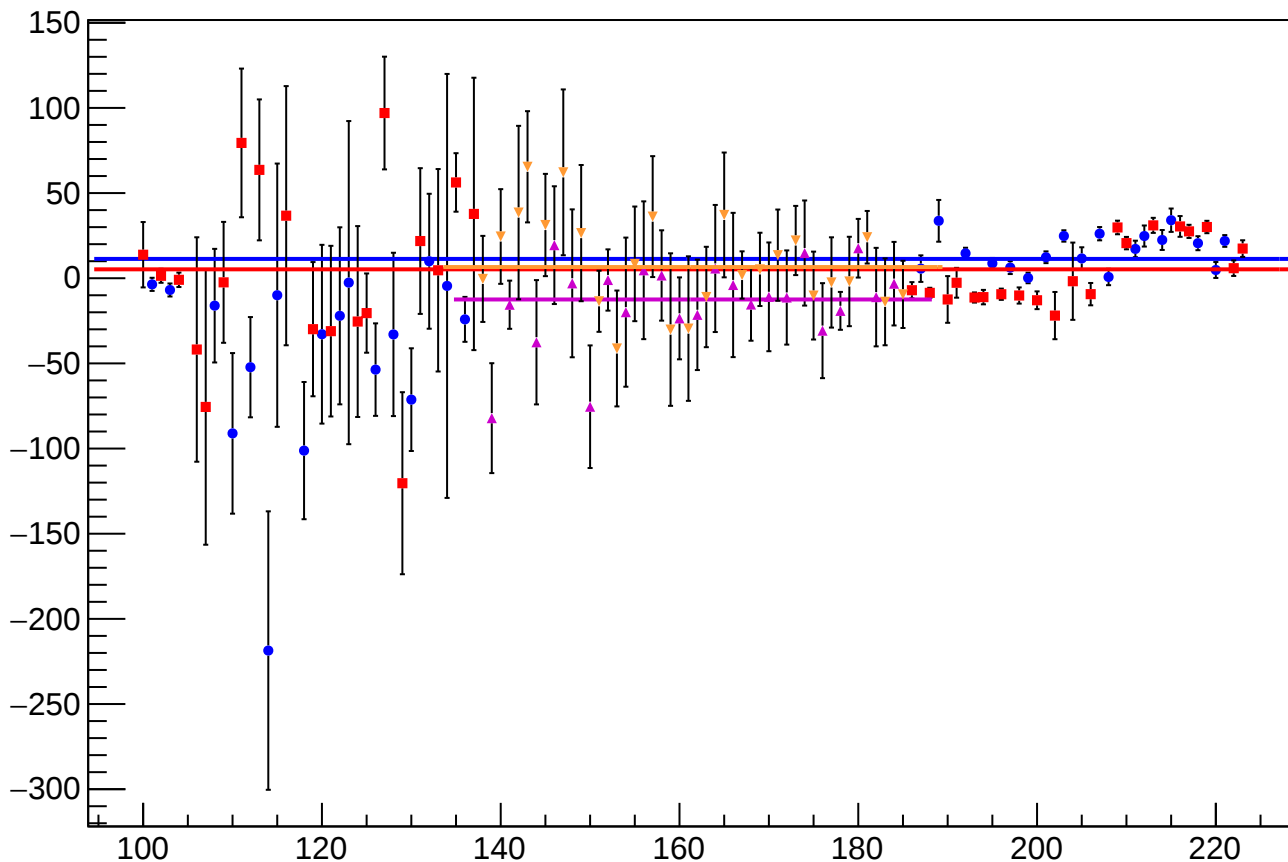
Left In: 2397.701 $\pm$ 0.458 χ^2 /NDF: 5398920.1/22

+ sign 2674.752 $\pm$ 0.341 χ^2 /NDF: 11823952.8/59

All: 2693.324 $\pm$ 0.242 χ^2 /NDF: 22554528.5/1

- sign 2712.172 $\pm$ 0.343 χ^2 /NDF: 10724584.5/61

diff_bpm0l03X_mean vs Slug



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

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

Right Out: 5.225 ± 0.943 $\chi^2/\text{NDF}: 355.2/38$

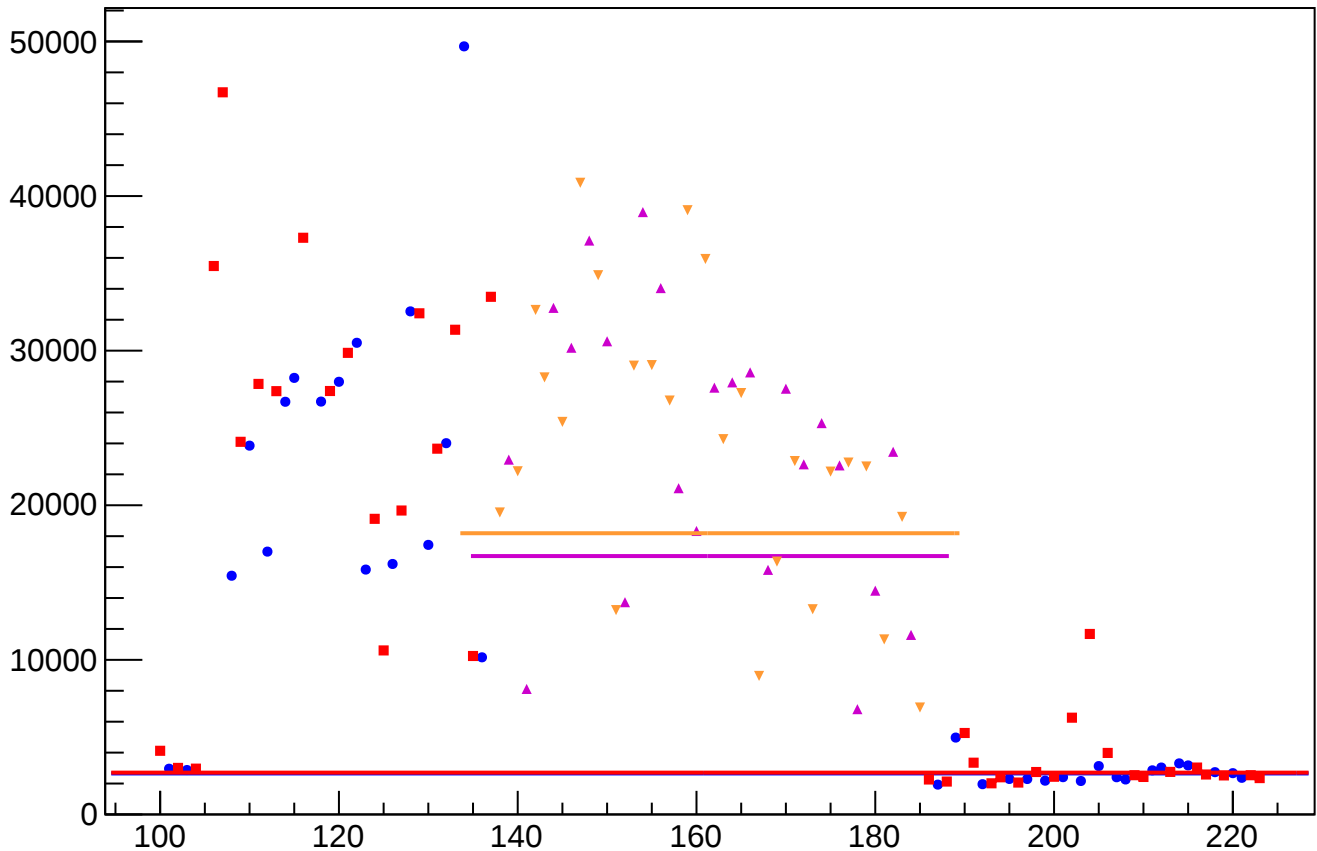
Left In: -12.469 ± 5.025 $\chi^2/\text{NDF}: 15.4/22$

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

All: 7.942 ± 0.652 $\chi^2/\text{NDF}: 604.6/121$

- sign 4.622 ± 0.927 $\chi^2/\text{NDF}: 382.5/61$

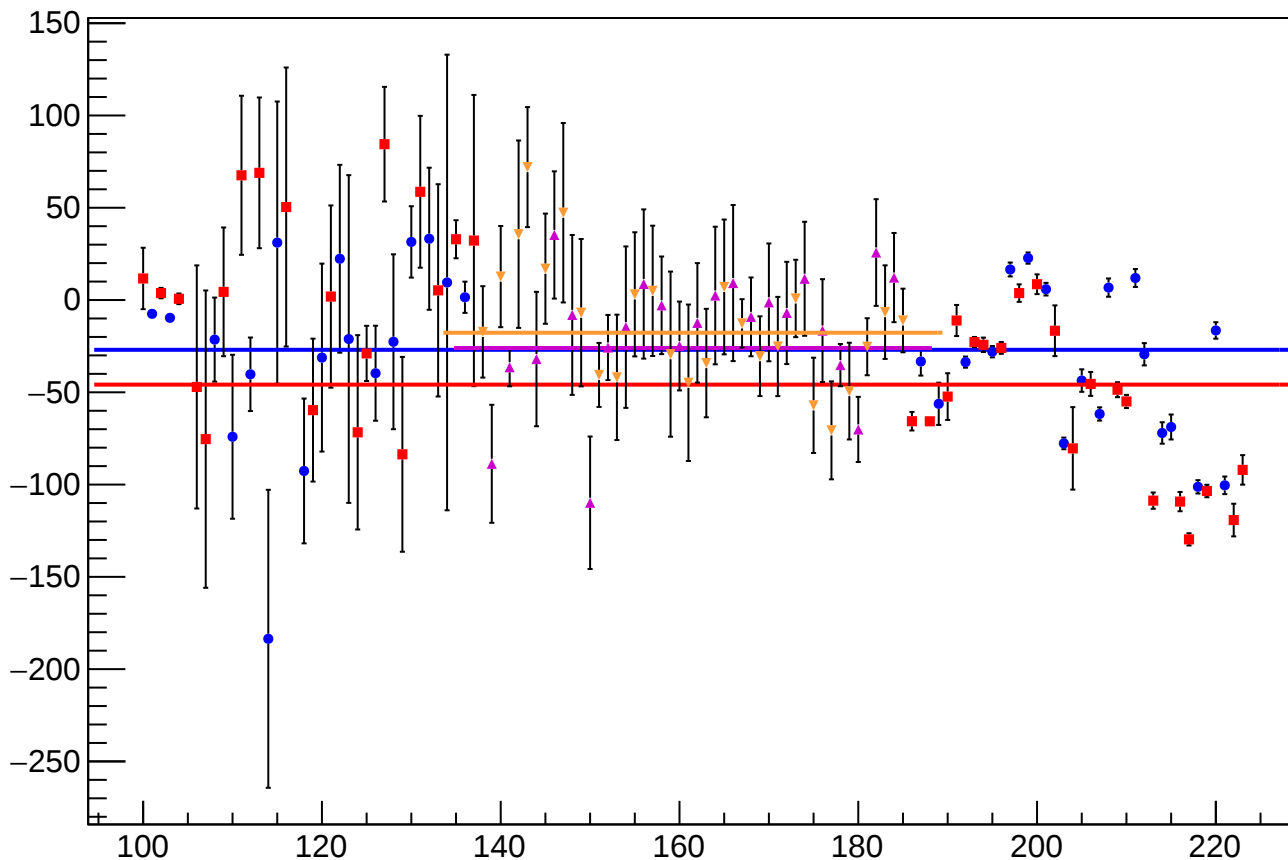
diff_bpm0l03X_rms vs Slug



Right In: 2652.309 ± 0.659 χ^2/NDF : 7061704.5/34
 Left Out: 18190.387 ± 3.590 χ^2/NDF : 5261328.5/24
 Right Out: 2705.486 ± 0.667 χ^2/NDF : 9108629.9/38
 Left In: 16713.653 ± 3.553 χ^2/NDF : 6194178.8/22

+ sign 3158.745 ± 0.648 χ^2/NDF : 30442519.3/59
 All: 3170.425 ± 0.461 χ^2/NDF : 60757686.8/1
 - sign 3182.375 ± 0.656 χ^2/NDF : 30314510.5/61

diff_bpm0l03Y_mean vs Slug



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

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

Right Out: -45.843 ± 0.875 χ^2/NDF : 2527.1/38

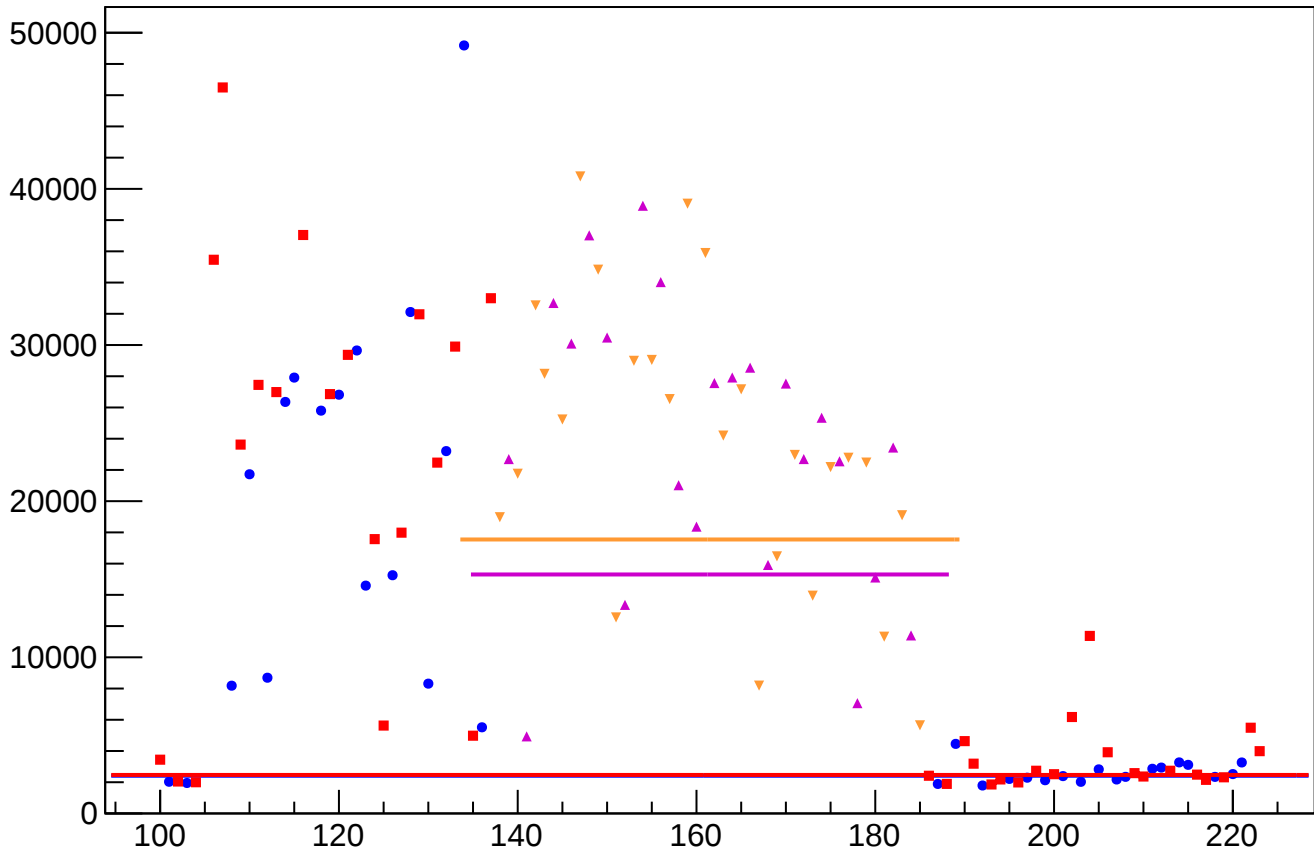
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

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

All: -35.799 ± 0.603 χ^2/NDF : 4708.6/121

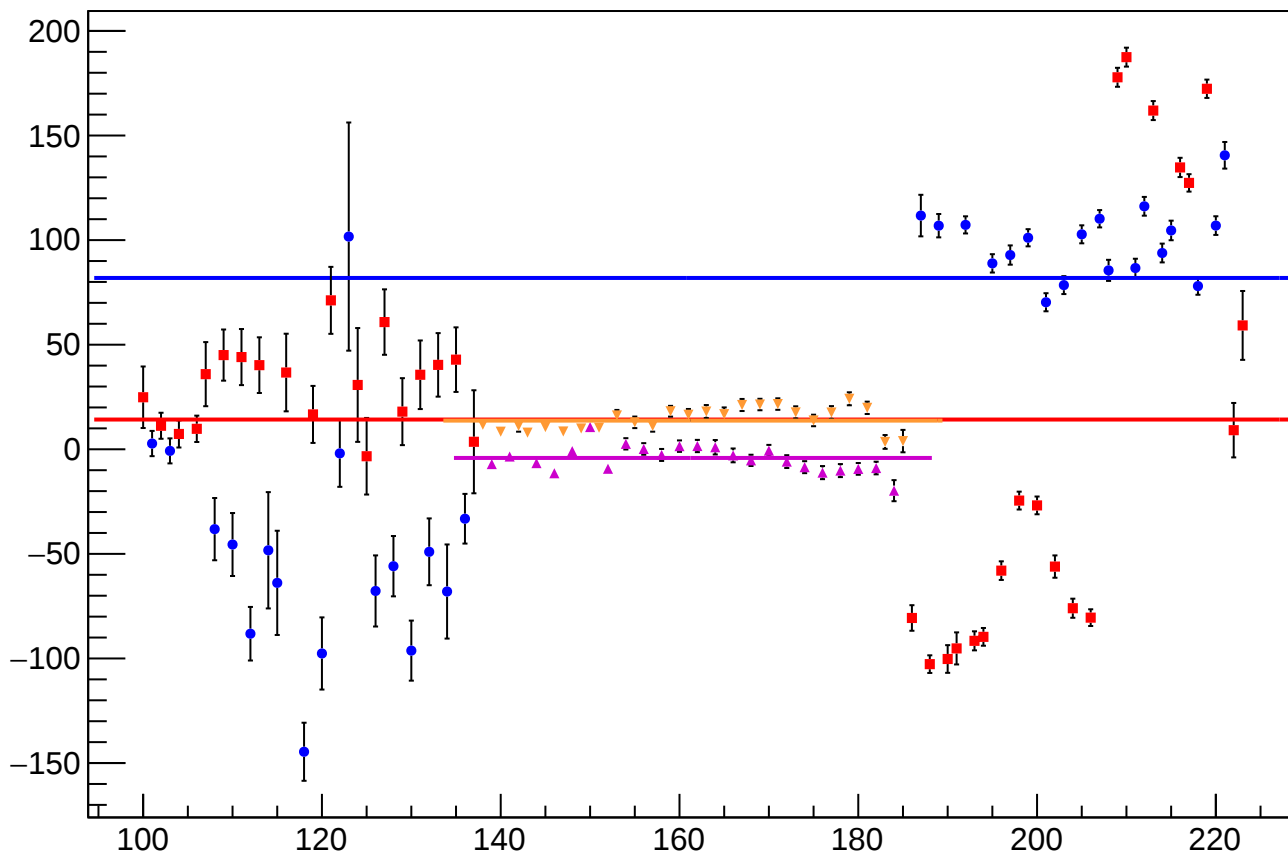
- sign -45.202 ± 0.860 χ^2/NDF : 2576.3/61

diff_bpm0l03Y_rms vs Slug



Right In: 2418.013+/-0.607	χ^2/NDF : 5995989.5/34	+ sign 2855.798+/-0.598	χ^2/NDF : 29862383.8/59
Left Out: 17546.173+/-3.517	χ^2/NDF : 5902620.4/24	All: 2868.019+/-0.427	χ^2/NDF : 60585093.3/34
Right Out: 2466.114+/-0.619	χ^2/NDF : 9088858.9/38	- sign 2880.656+/-0.608	χ^2/NDF : 30721861.0/61
Left In: 15305.311+/-3.386	χ^2/NDF : 7721177.0/22		

diff_bpm0l04X_mean vs Slug



Right In: 81.907 ± 1.020 χ^2/NDF : 2046.5/34

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

Right Out: 14.221 ± 1.007 χ^2/NDF : 10823.9/38

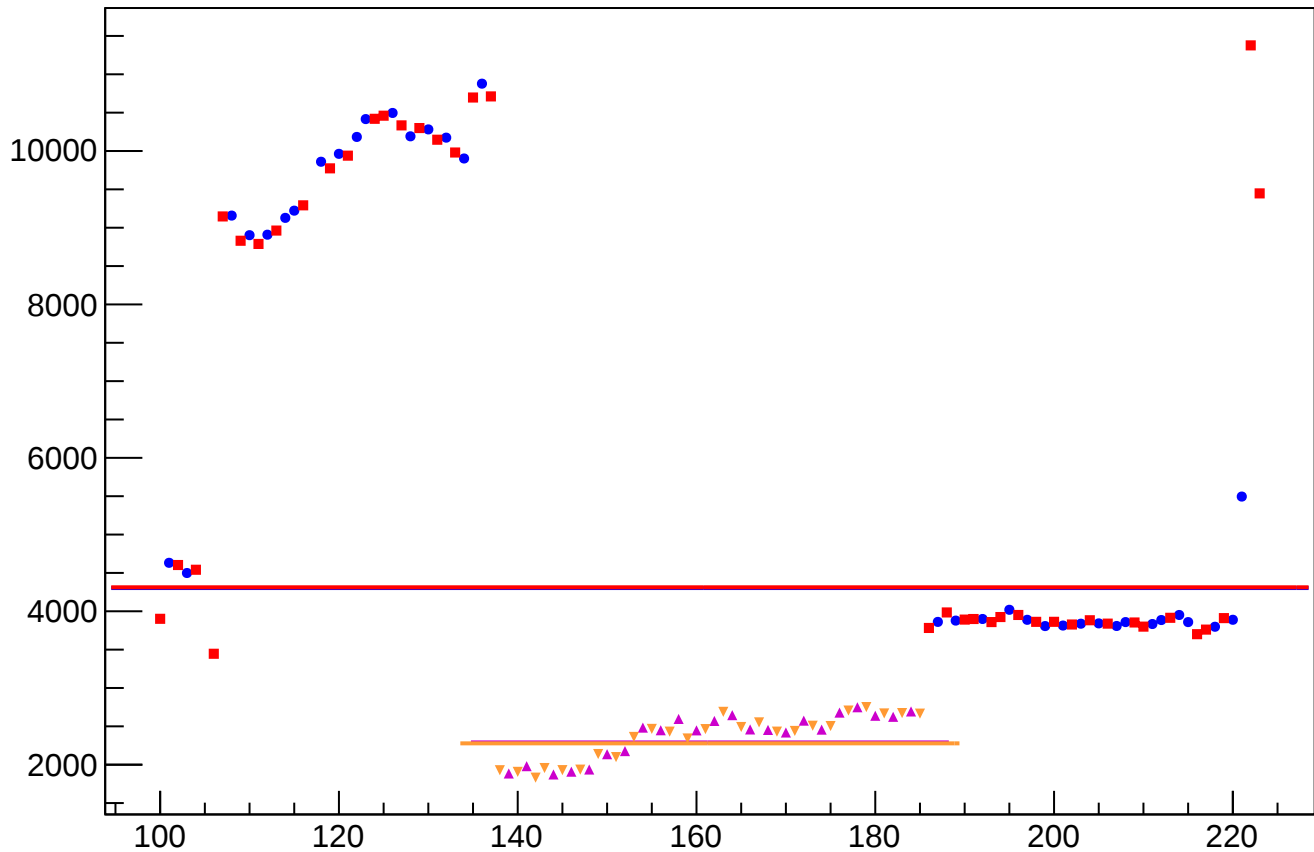
Left In: -4.141 ± 0.555 χ^2/NDF : 111.7/22

+ sign 28.432 ± 0.474 χ^2/NDF : 5640.9/59

All: 14.636 ± 0.339 χ^2/NDF : 18569.2/121

- sign 0.133 ± 0.486 χ^2/NDF : 11190.5/61

diff_bpm0l04X_rms vs Slug



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

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

Right Out: 4312.514 $\pm$ 0.712 χ^2 /NDF: 4739515.4/38

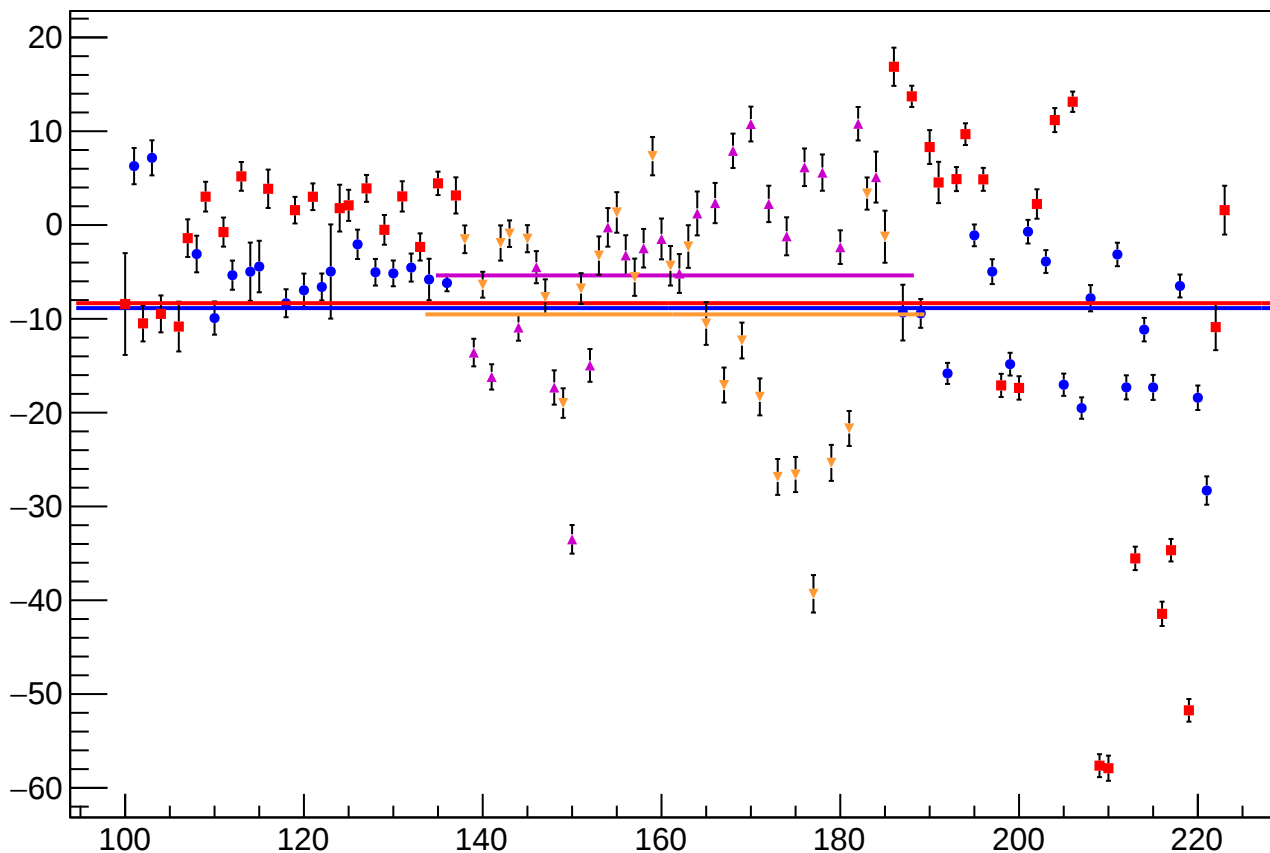
Left In: 2290.461 $\pm$ 0.392 χ^2 /NDF: 590272.1/22

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

All: 2737.552 $\pm$ 0.240 χ^2 /NDF: 22287429.7/1

- sign 2761.051 $\pm$ 0.344 χ^2 /NDF: 11512656.3/61

diff_bpm0l04Y_mean vs Slug



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

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

Right Out: -8.330 ± 0.239 χ^2/NDF : 8470.1/38

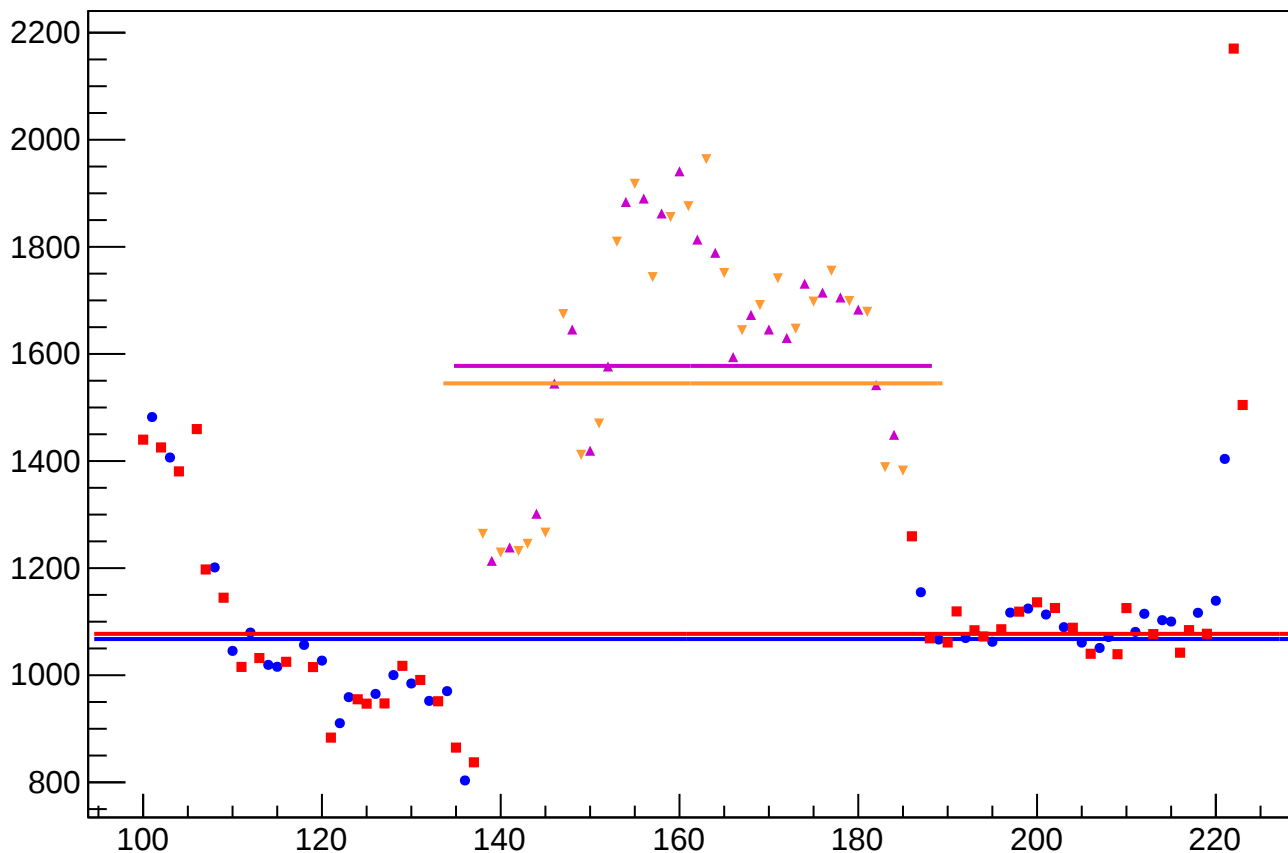
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

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

All: -8.286 ± 0.143 χ^2/NDF : 11149.4/121

- sign -7.500 ± 0.203 χ^2/NDF : 9382.8/61

diff_bpm0l04Y_rms vs Slug



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

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

Right Out: 1077.272 $\pm$ 0.169 χ^2 /NDF: 851108.4/38

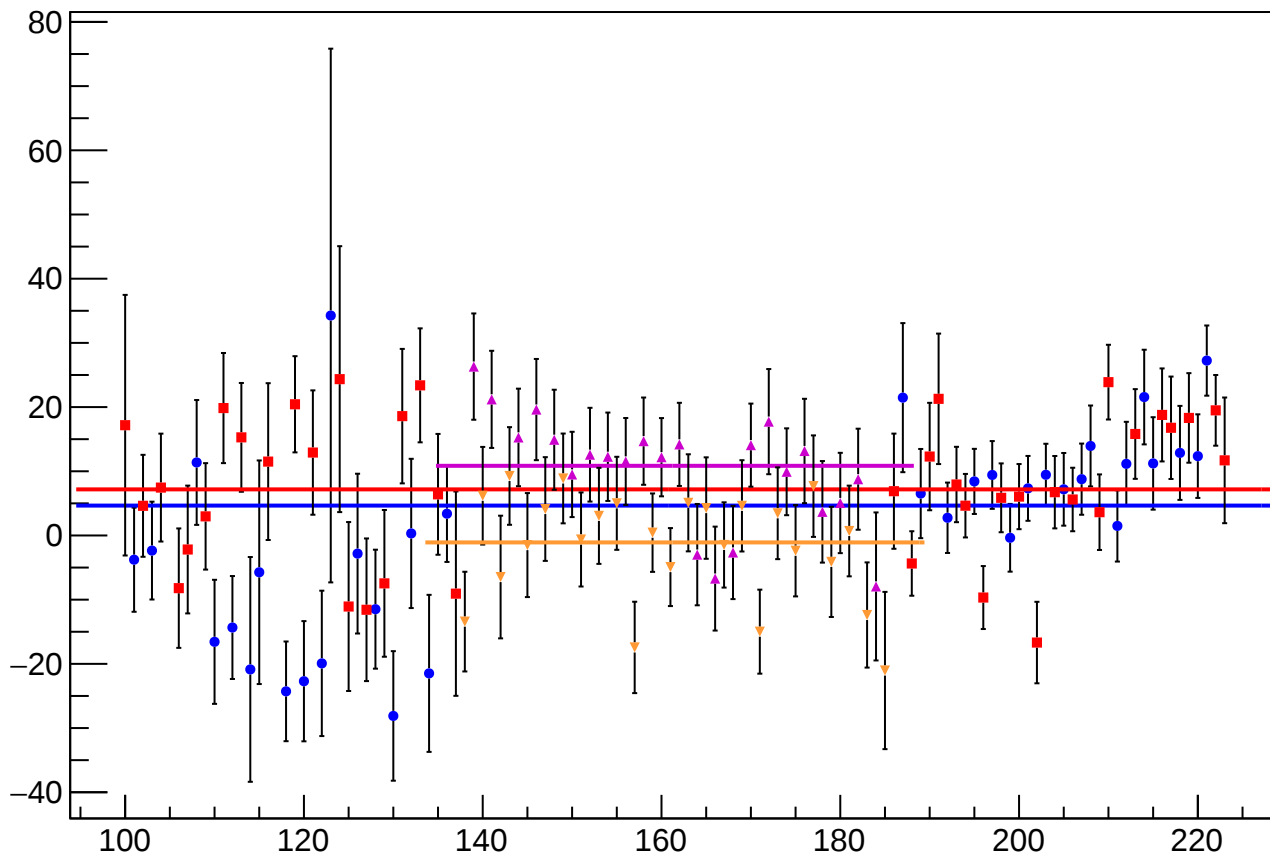
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

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

All: 1215.206 $\pm$ 0.101 χ^2 /NDF: 7701286.3/12

- sign 1217.779 $\pm$ 0.143 χ^2 /NDF: 3933328.9/61

diff_bpm0l05X_mean vs Slug



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

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

Right Out: 7.181 ± 1.172 $\chi^2/\text{NDF}: 79.5/38$

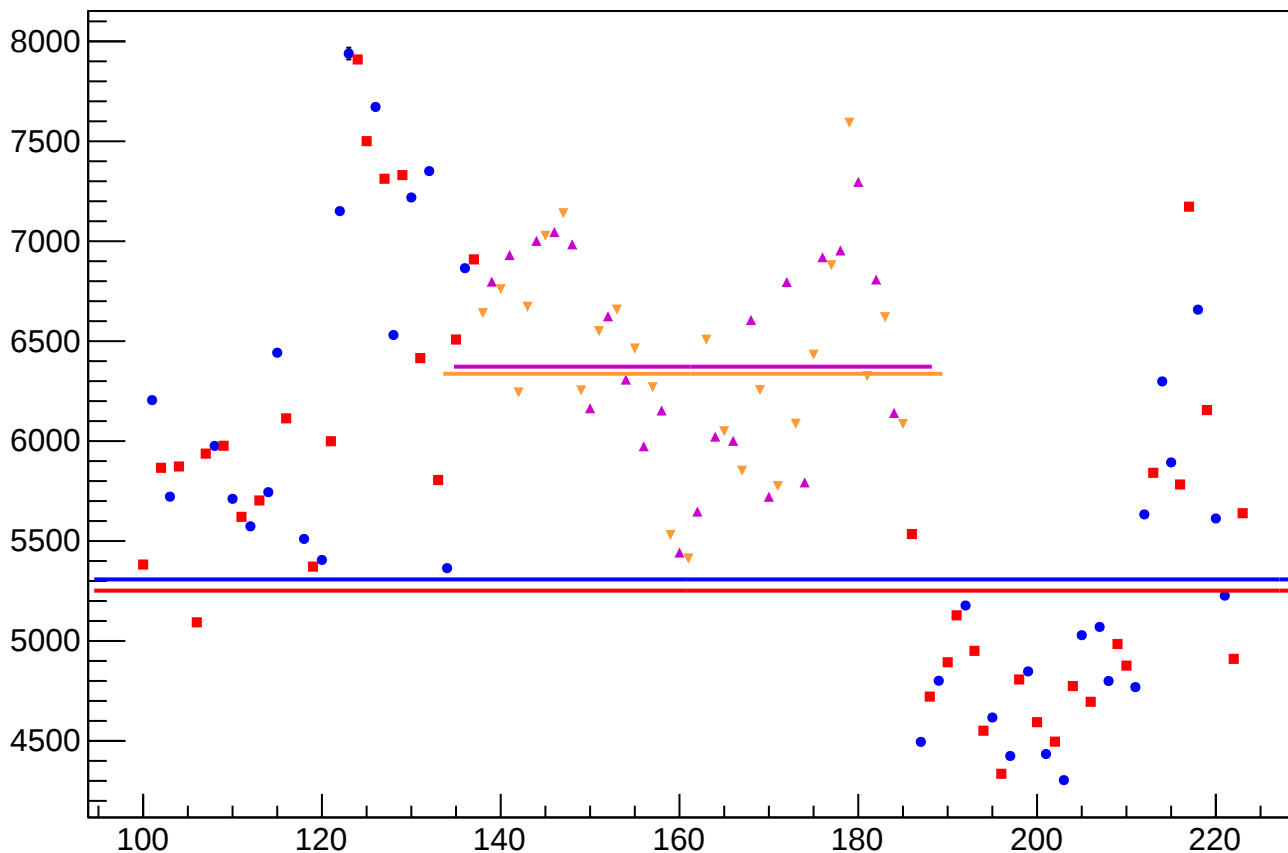
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

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

All: 5.465 ± 0.662 $\chi^2/\text{NDF}: 263.1/121$

- sign 8.525 ± 0.933 $\chi^2/\text{NDF}: 107.5/61$

diff_bpm0l05X_rms vs Slug



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

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

Right Out: 5251.829 $\pm$ 0.829 χ^2 /NDF: 852818.7/38

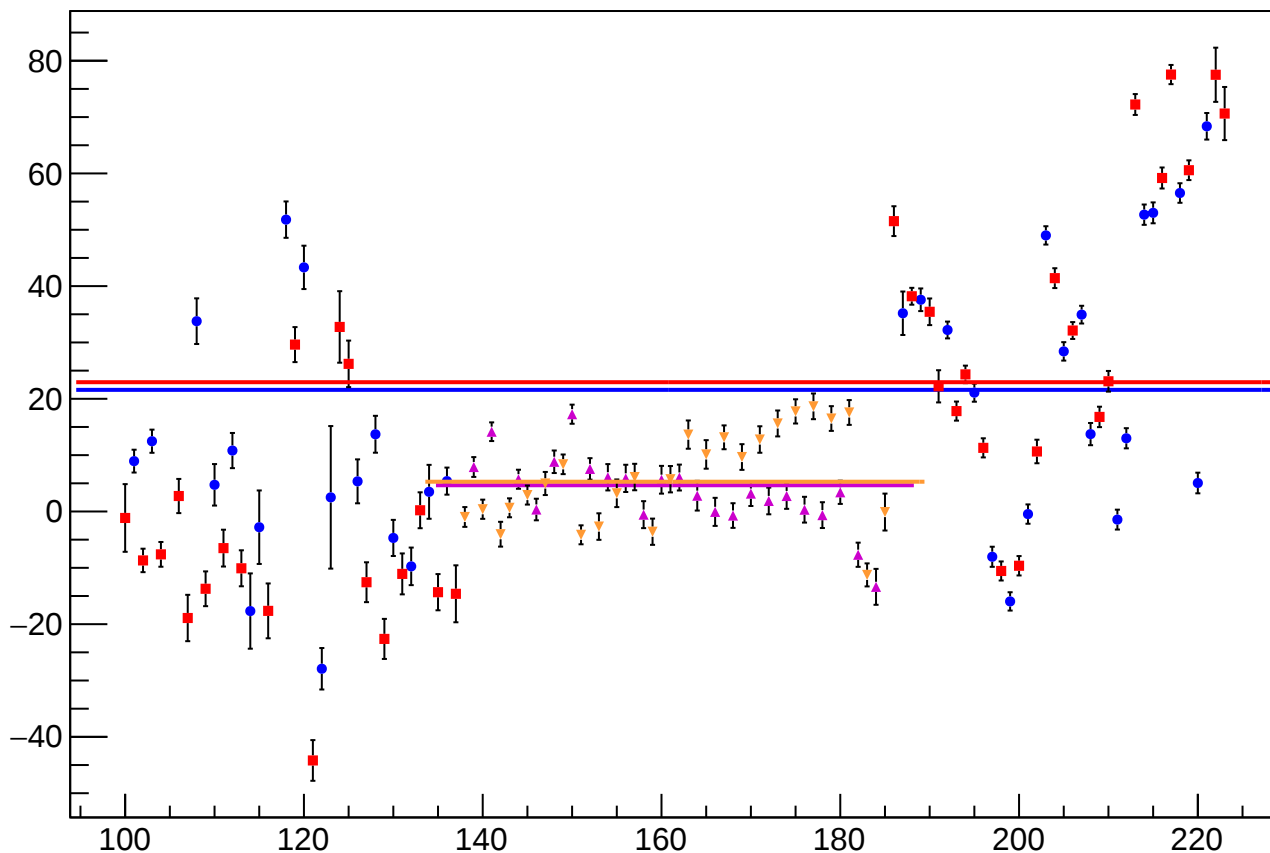
Left In: 6372.349 $\pm$ 1.090 χ^2 /NDF: 247257.0/22

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

All: 5689.660 $\pm$ 0.468 χ^2 /NDF: 3460158.4/12

- sign 5662.201 $\pm$ 0.660 χ^2 /NDF: 1769705.7/61

diff_bpm0l05Y_mean vs Slug



Right In: 21.587+/-0.372 χ^2 /NDF: 3838.6/34

Left Out: 5.284+/-0.421 χ^2 /NDF:366.1/24

Right Out: 22.946+/-0.369 χ^2 /NDF: 5990.3/38

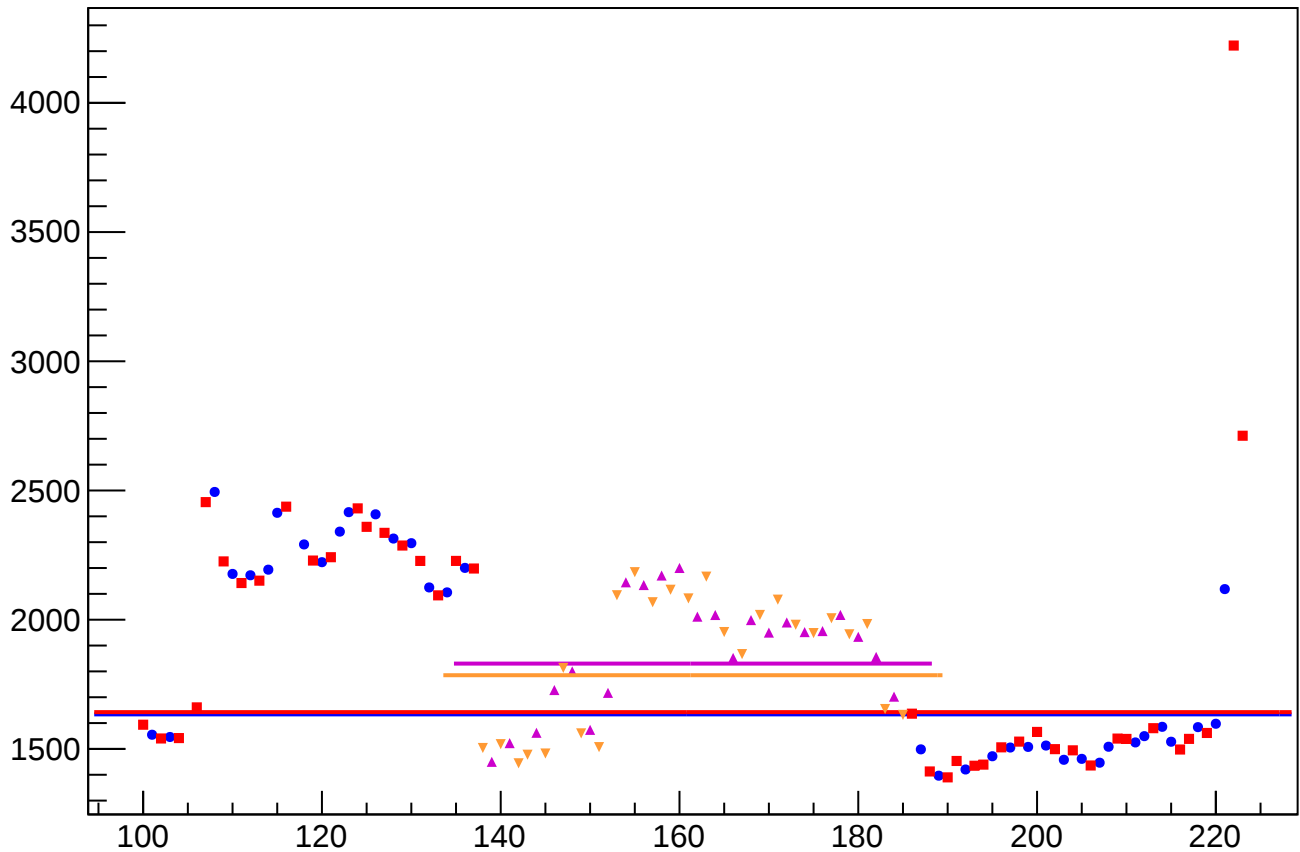
Left In: 4.657+/-0.443 χ^2 /NDF:196.5/22

+ sign 14.423+/-0.279 χ^2 /NDF: 5046.5/59

All: 14.929+/-0.199 χ^2 /NDF: 12244.5/121

- sign 15.453+/-0.284 χ^2 /NDF: 7191.3/61

diff_bpm0l05Y_rms vs Slug



Right In: 1633.669+/-0.263 χ^2/NDF : 1191226.7/34

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

Right Out: 1642.364+/-0.261 χ^2/NDF : 1799415.9/38

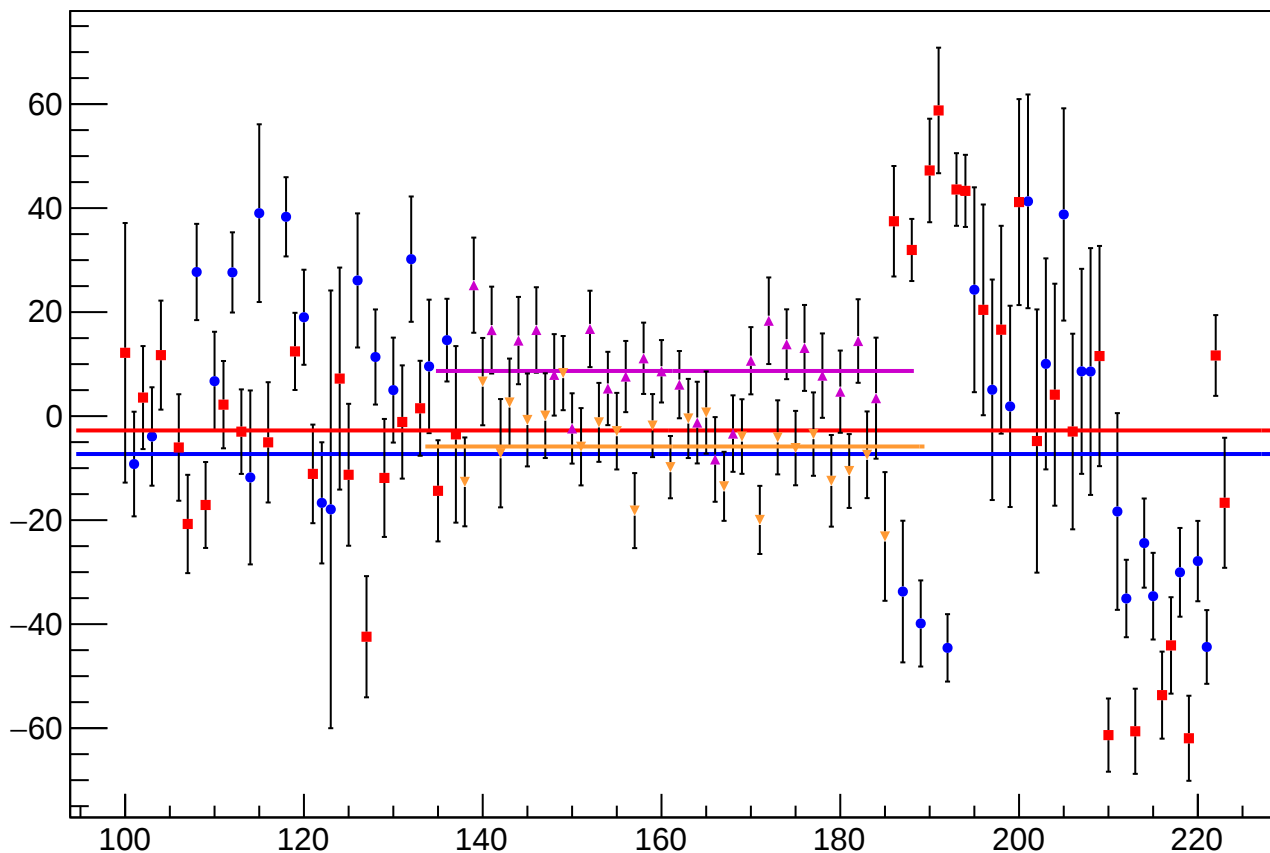
Left In: 1830.160+/-0.313 χ^2/NDF : 508391.9/22

+ sign 1700.244+/-0.197 χ^2/NDF : 2087283.5/59

All: 1709.609+/-0.141 χ^2/NDF : 4611518.1/12

- sign 1719.307+/-0.201 χ^2/NDF : 2519643.1/61

diff_bpm0l06X_mean vs Slug



Right In: -7.287 ± 1.759 $\chi^2/\text{NDF}: 259.4/34$

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

Right Out: -2.756 ± 1.601 $\chi^2/\text{NDF}: 457.6/38$

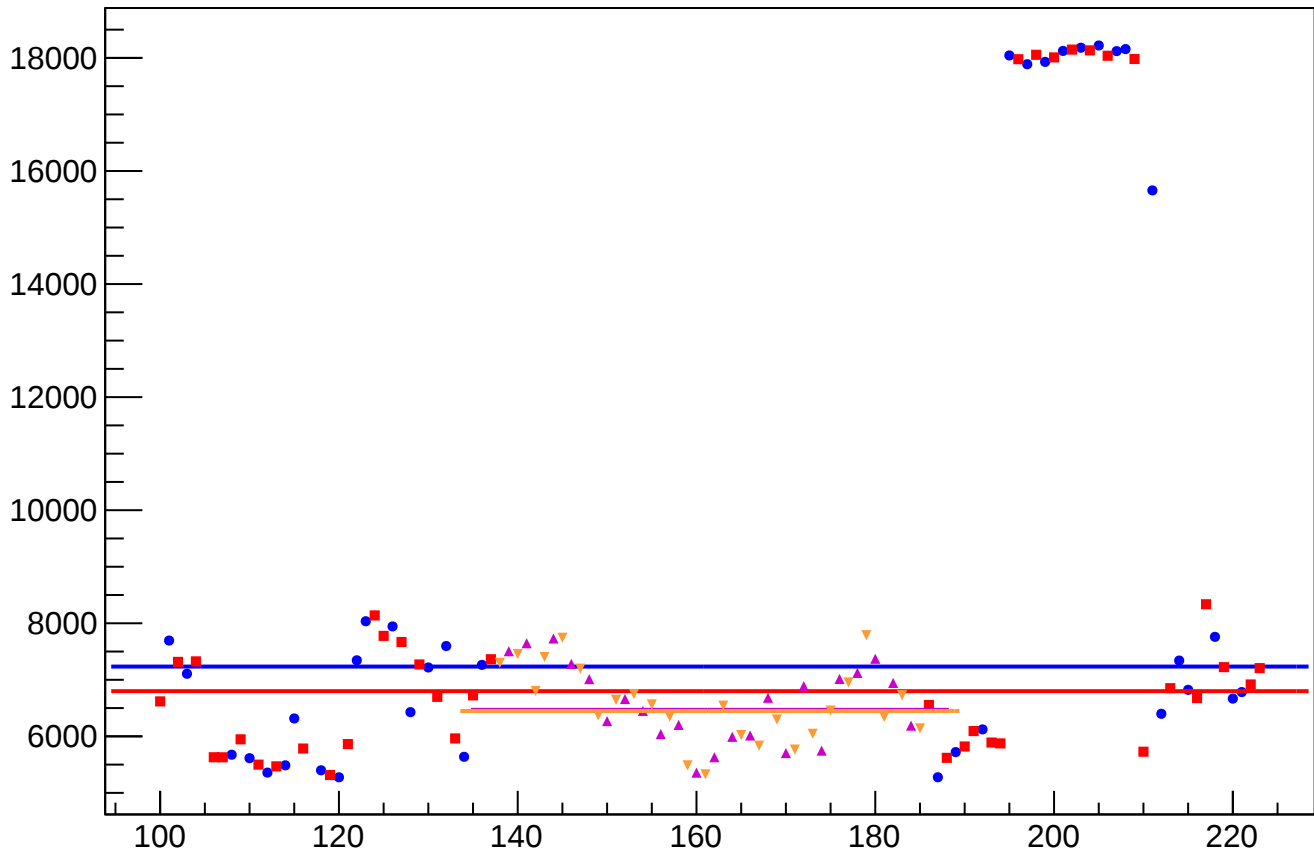
Left In: 8.683 ± 1.571 $\chi^2/\text{NDF}: 21.9/22$

+ sign -6.458 ± 1.149 $\chi^2/\text{NDF}: 283.1/59$

All: -1.574 ± 0.803 $\chi^2/\text{NDF}: 823.8/121$

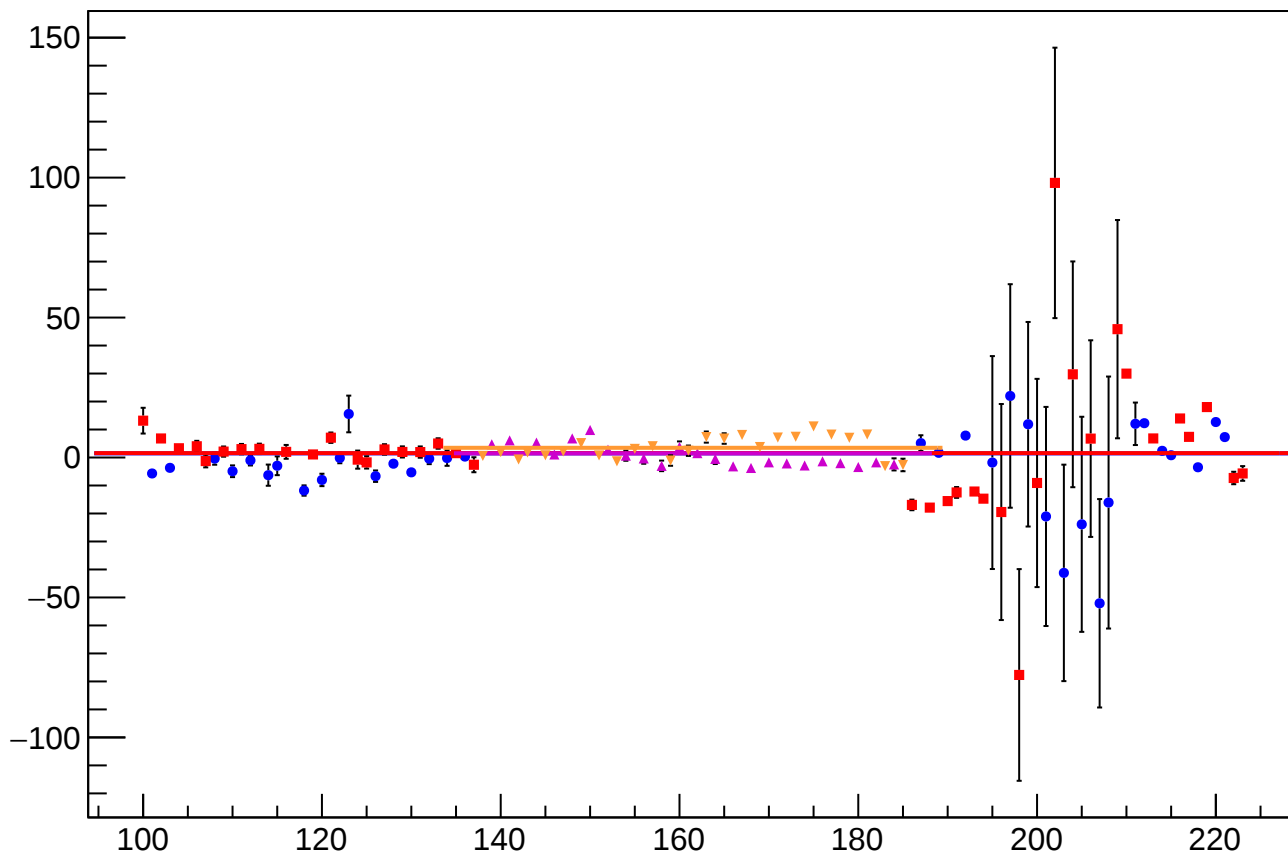
- sign 3.075 ± 1.121 $\chi^2/\text{NDF}: 505.5/61$

diff_bpm0l06X_rms vs Slug



Right In: 7234.043+/-1.243	χ^2/NDF : 5624493.2/34	+ sign 6783.538+/-0.813	χ^2/NDF : 6225269.8/59
Left Out: 6447.712+/-1.074	χ^2/NDF : 371671.1/24	All: 6705.218+/-0.567	χ^2/NDF : 11434125.3/3
Right Out: 6798.819+/-1.132	χ^2/NDF : 4764128.9/38	- sign 6630.659+/-0.793	χ^2/NDF : 5190723.7/61
Left In: 6468.902+/-1.111	χ^2/NDF : 383325.4/22		

diff_bpm0l06Y_mean vs Slug



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

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

Right Out: 1.571 ± 0.286 χ^2/NDF : 1841.8/38

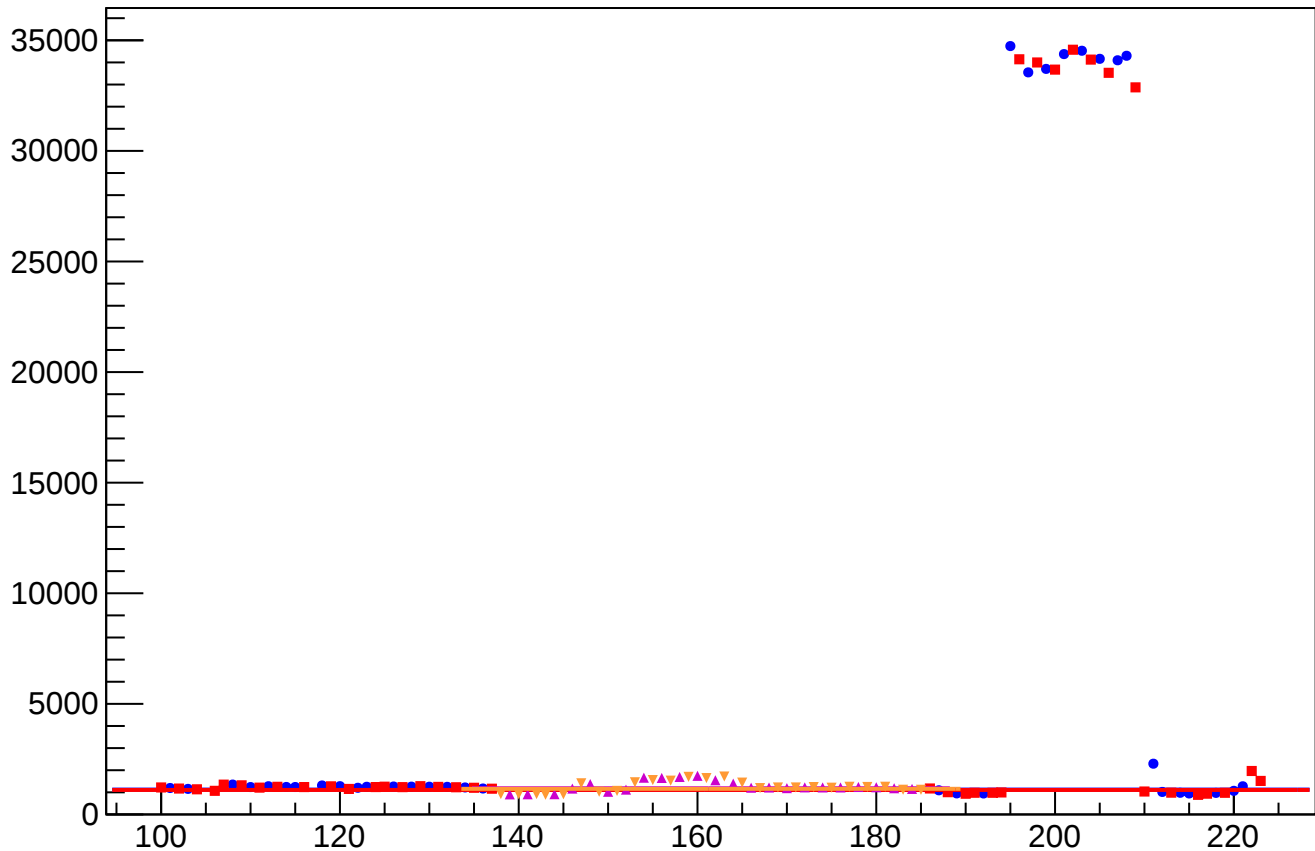
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

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

All: 2.055 ± 0.145 χ^2/NDF : 2676.9/121

- sign 1.537 ± 0.204 χ^2/NDF : 2044.5/61

diff_bpm0l06Y_rms vs Slug



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

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

Right Out: 1107.839+/-0.202 χ^2/NDF : 10628694.6/38

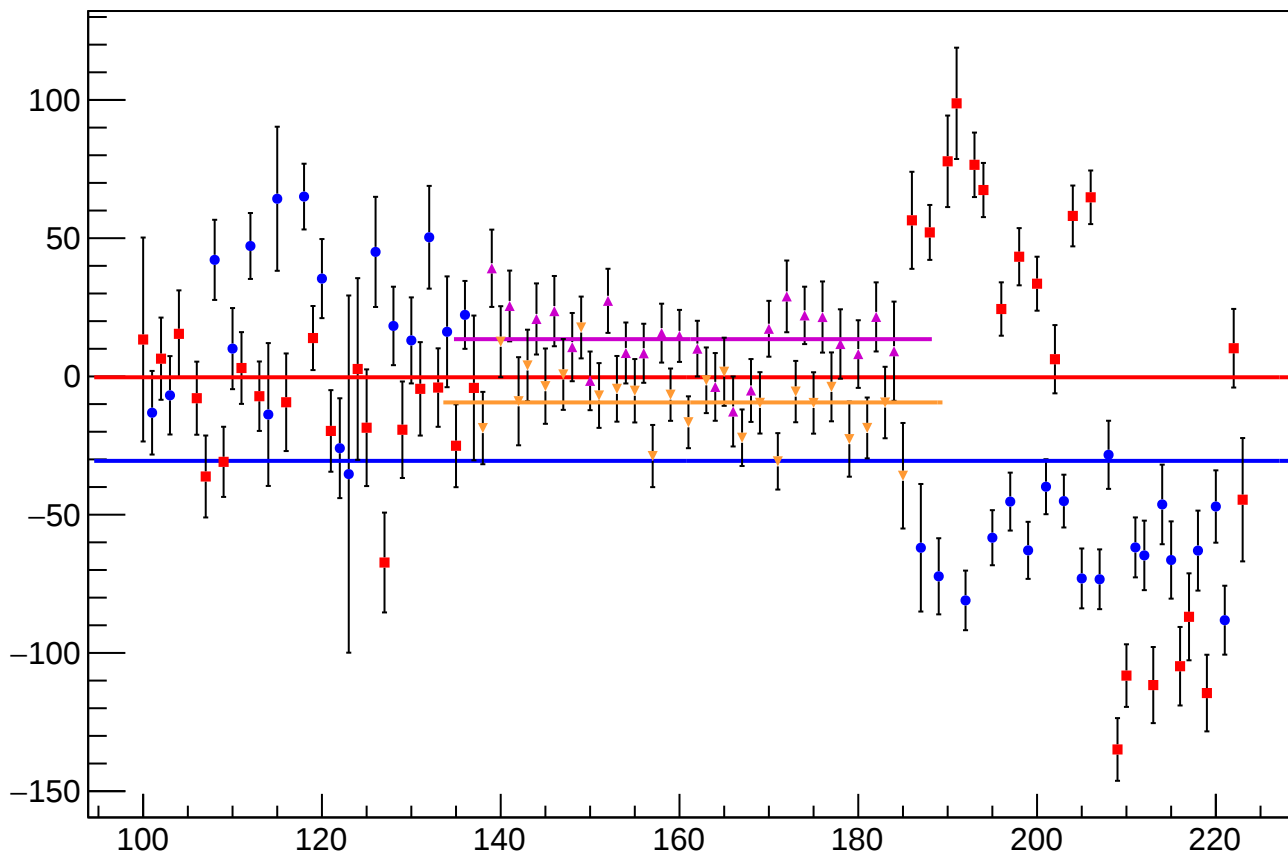
Left In: 1184.966+/-0.206 χ^2/NDF : 1190431.5/22

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

All: 1144.485+/-0.102 χ^2/NDF : 25292495.6/100

- sign 1145.795+/-0.144 χ^2/NDF : 11890656.0/61

diff_bpm0l07X_mean vs Slug



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

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

Right Out: -0.300 ± 2.169 χ^2/NDF : 775.7/38

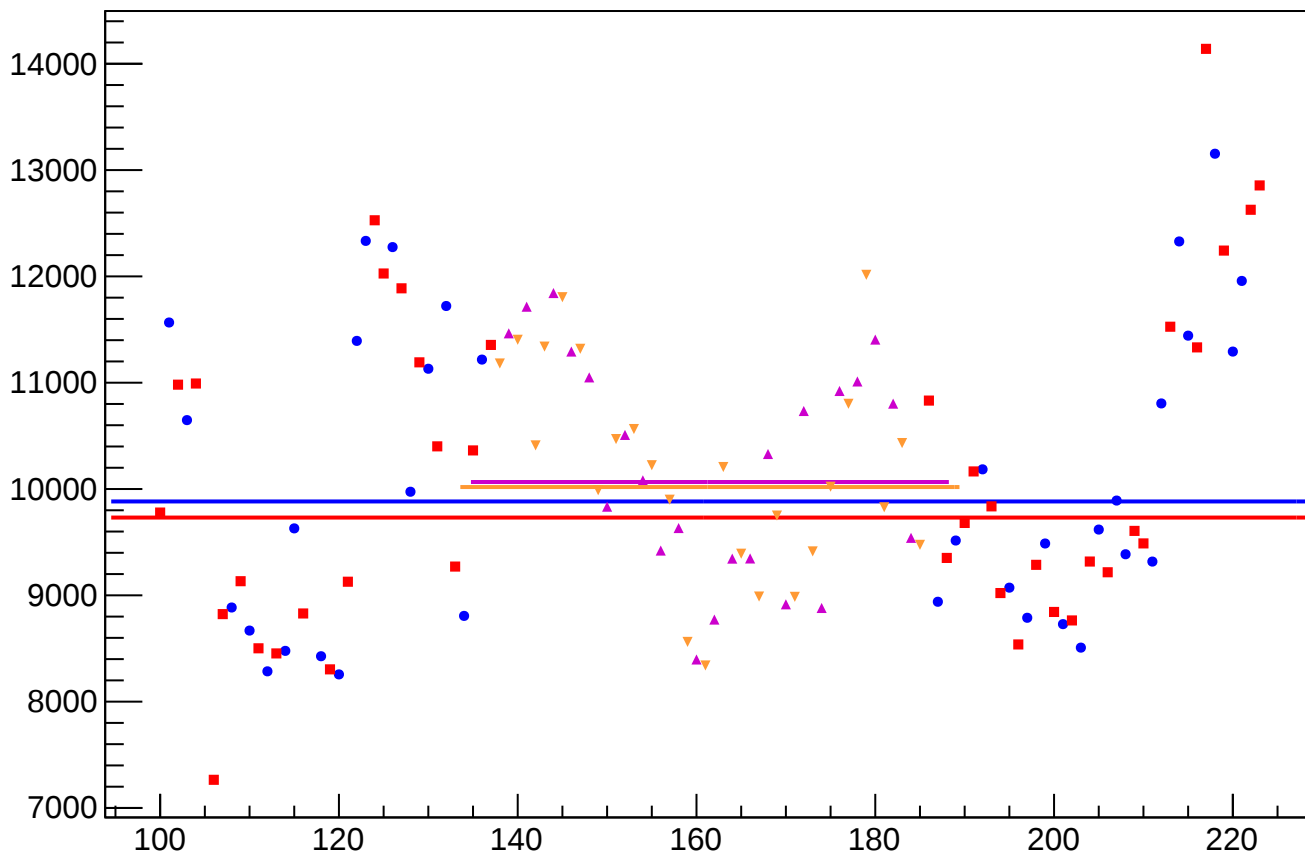
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

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

All: -7.328 ± 1.148 χ^2/NDF : 1408.8/121

- sign 5.777 ± 1.622 χ^2/NDF : 815.0/61

diff_bpm0l07X_rms vs Slug



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

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

Right Out: 9731.531+/-1.534 χ^2/NDF : 783016.9/38

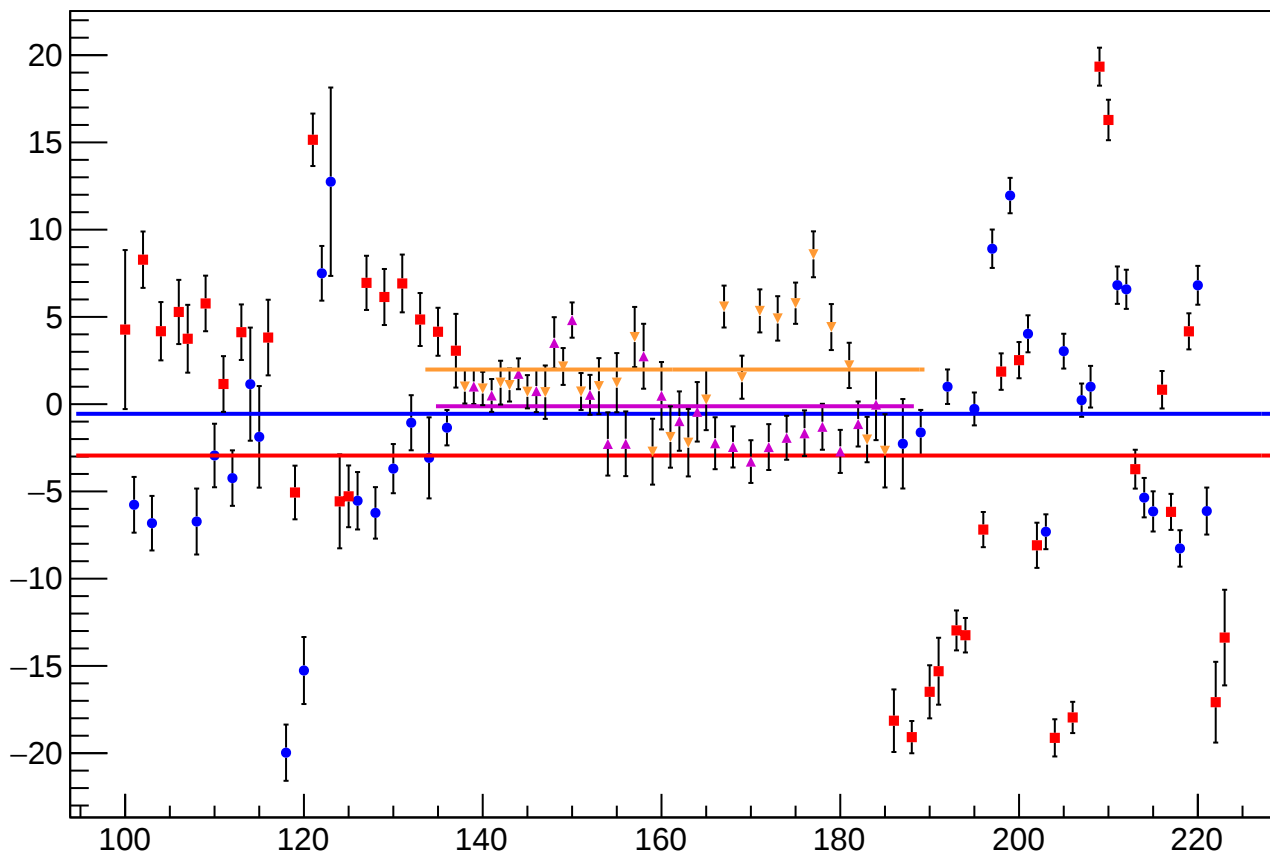
Left In: 10065.909+/-1.727 χ^2/NDF : 357868.9/22

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

All: 9913.104+/-0.812 χ^2/NDF : 2167944.8/12

- sign 9878.935+/-1.147 χ^2/NDF : 1161839.8/61

diff_bpm0l07Y_mean vs Slug



Right In: -0.553 ± 0.219 χ^2/NDF : 866.6/34

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

Right Out: -2.944 ± 0.216 χ^2/NDF : 2578.1/38

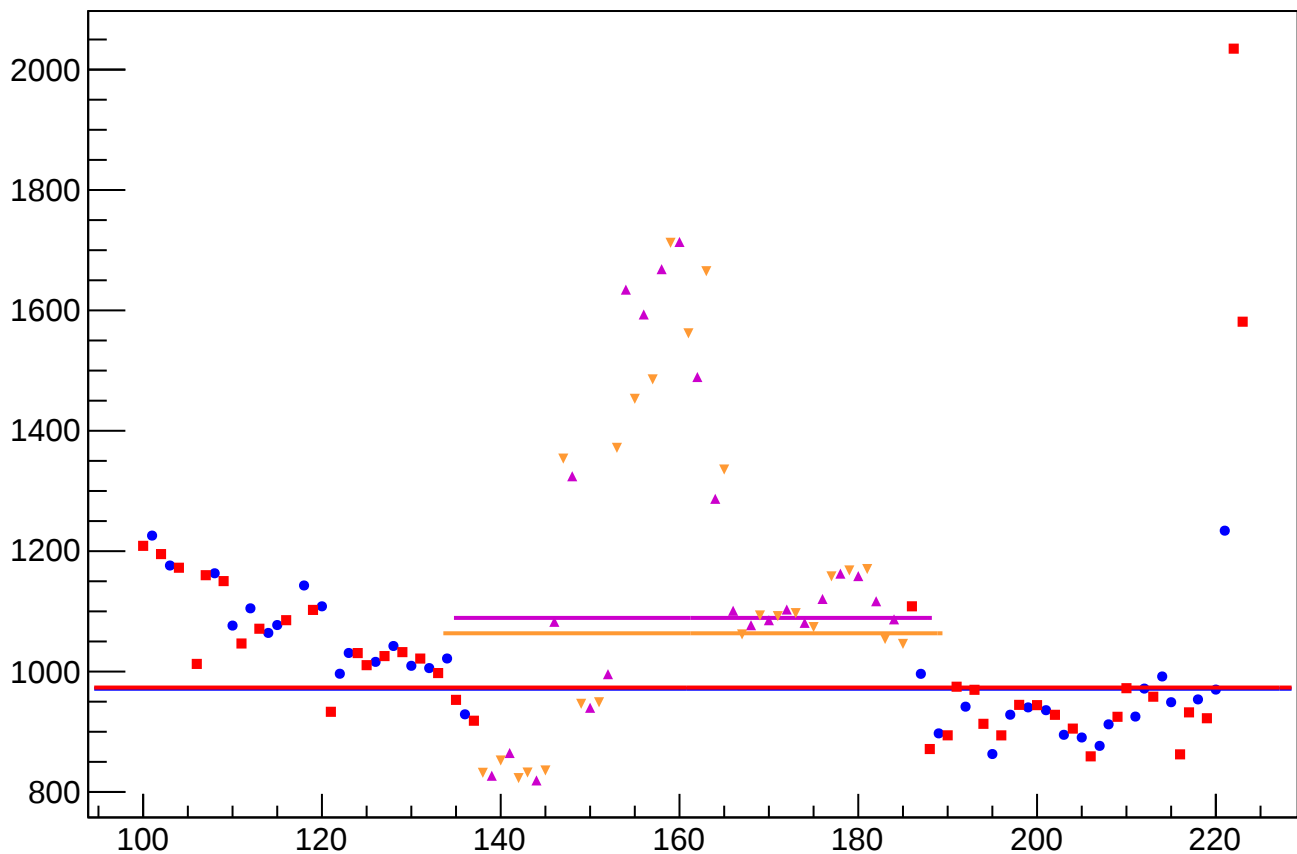
Left In: -0.120 ± 0.269 χ^2/NDF : 67.6/22

+ sign 0.525 ± 0.166 χ^2/NDF : 1024.9/59

All: -0.638 ± 0.118 χ^2/NDF : 3837.1/121

- sign -1.834 ± 0.168 χ^2/NDF : 2712.7/61

diff_bpm0l07Y_rms vs Slug



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

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

Right Out: 973.479+/-0.153 χ^2/NDF : 819082.8/38

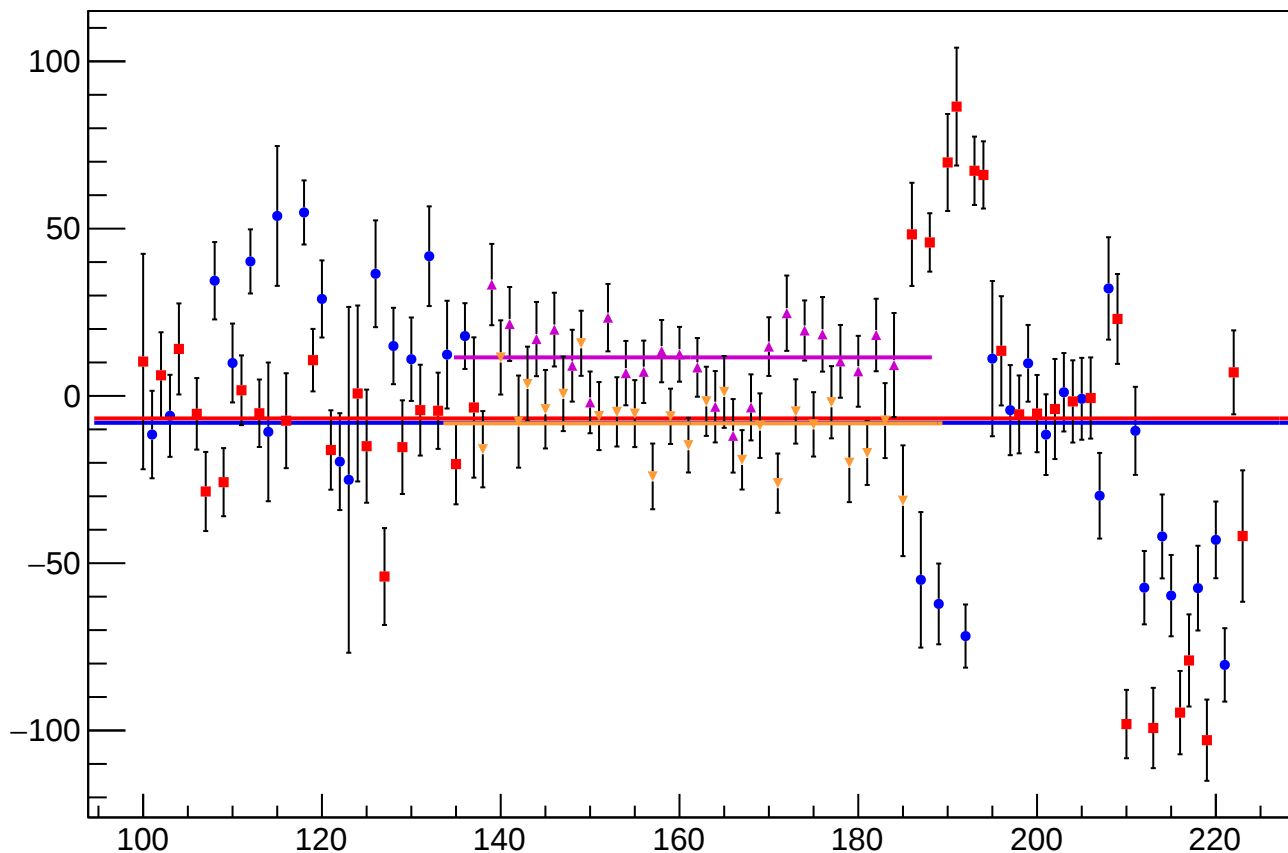
Left In: 1089.154+/-0.190 χ^2/NDF : 1430478.5/22

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

All: 1014.710+/-0.084 χ^2/NDF : 4595731.9/12

- sign 1018.928+/-0.119 χ^2/NDF : 2474602.7/61

diff_bpm0l08X_mean vs Slug



Right In: -8.035 ± 2.137 χ^2/NDF : 336.8/34

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

Right Out: -6.728 ± 2.006 χ^2/NDF : 528.9/38

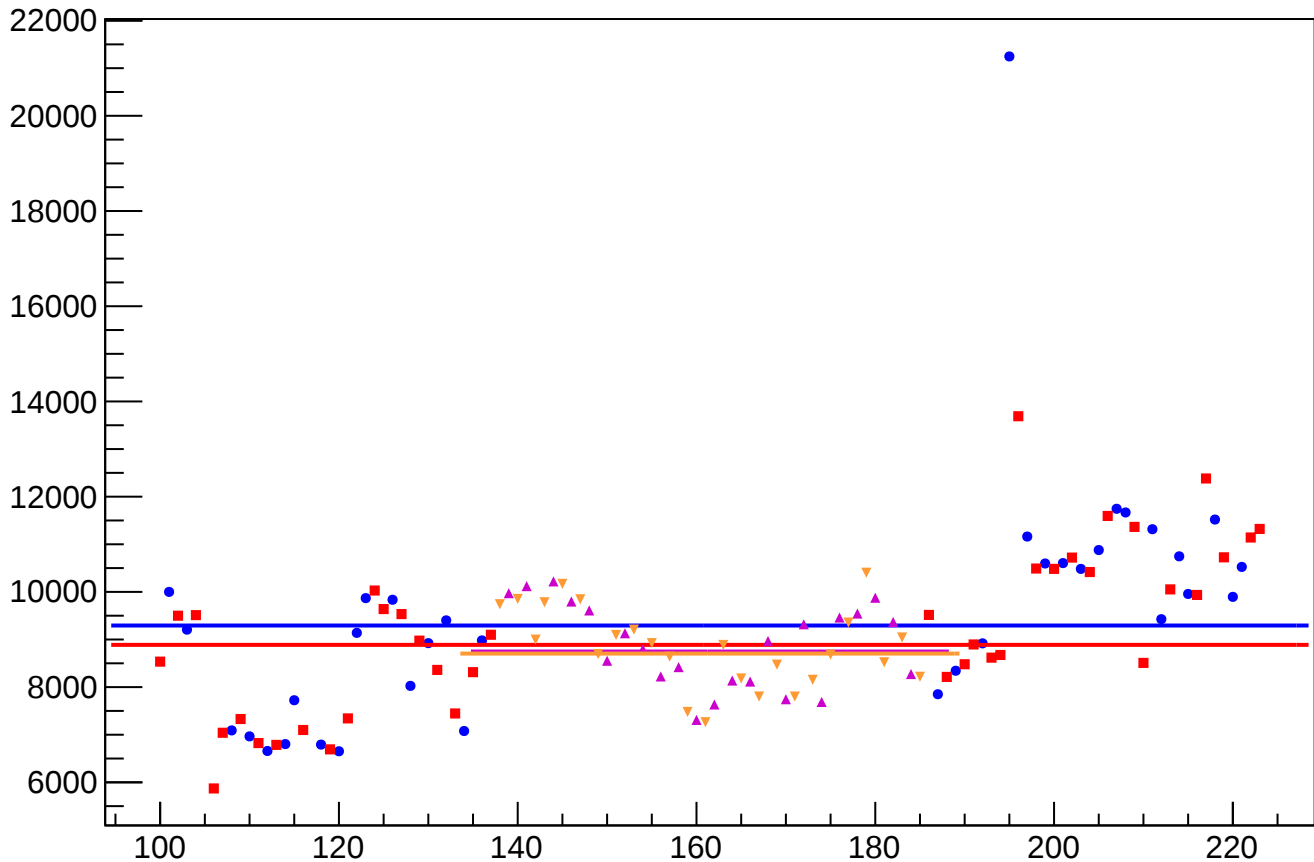
Left In: 11.515 ± 2.122 χ^2/NDF : 21.0/22

+ sign -8.118 ± 1.479 χ^2/NDF : 362.9/59

All: -3.048 ± 1.038 χ^2/NDF : 975.1/121

- sign 1.880 ± 1.458 χ^2/NDF : 589.0/61

diff_bpm0l08X_rms vs Slug



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

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

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

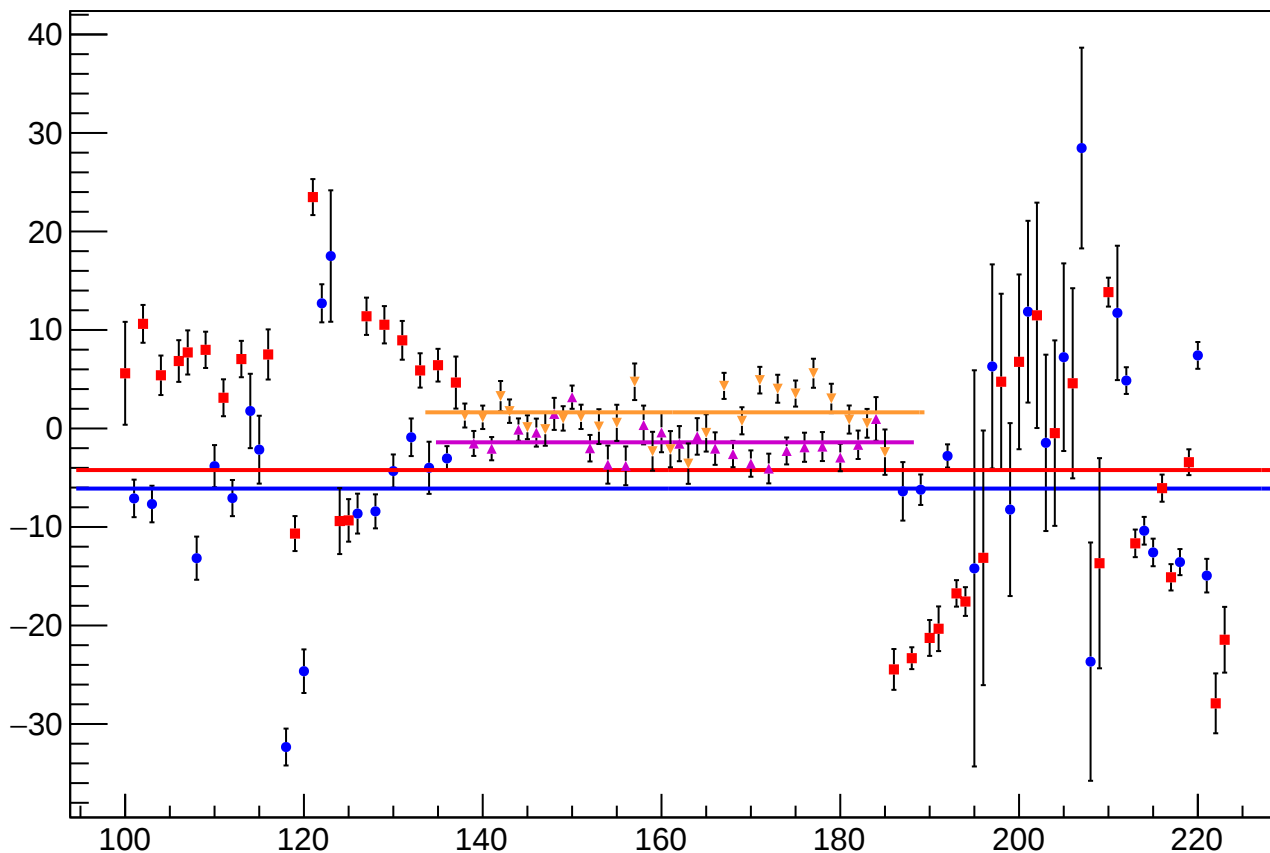
Right Out: 8887.416+/-1.418 χ^2/NDF : 1459219.0/38

All: 8902.794+/-0.734 χ^2/NDF : 3886436.2/12

- sign 8821.360+/-1.031 χ^2/NDF : 1810926.0/61

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

diff_bpm0l08Y_mean vs Slug



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

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

Right Out: -4.221 ± 0.315 $\chi^2/\text{NDF}: 1812.4/38$

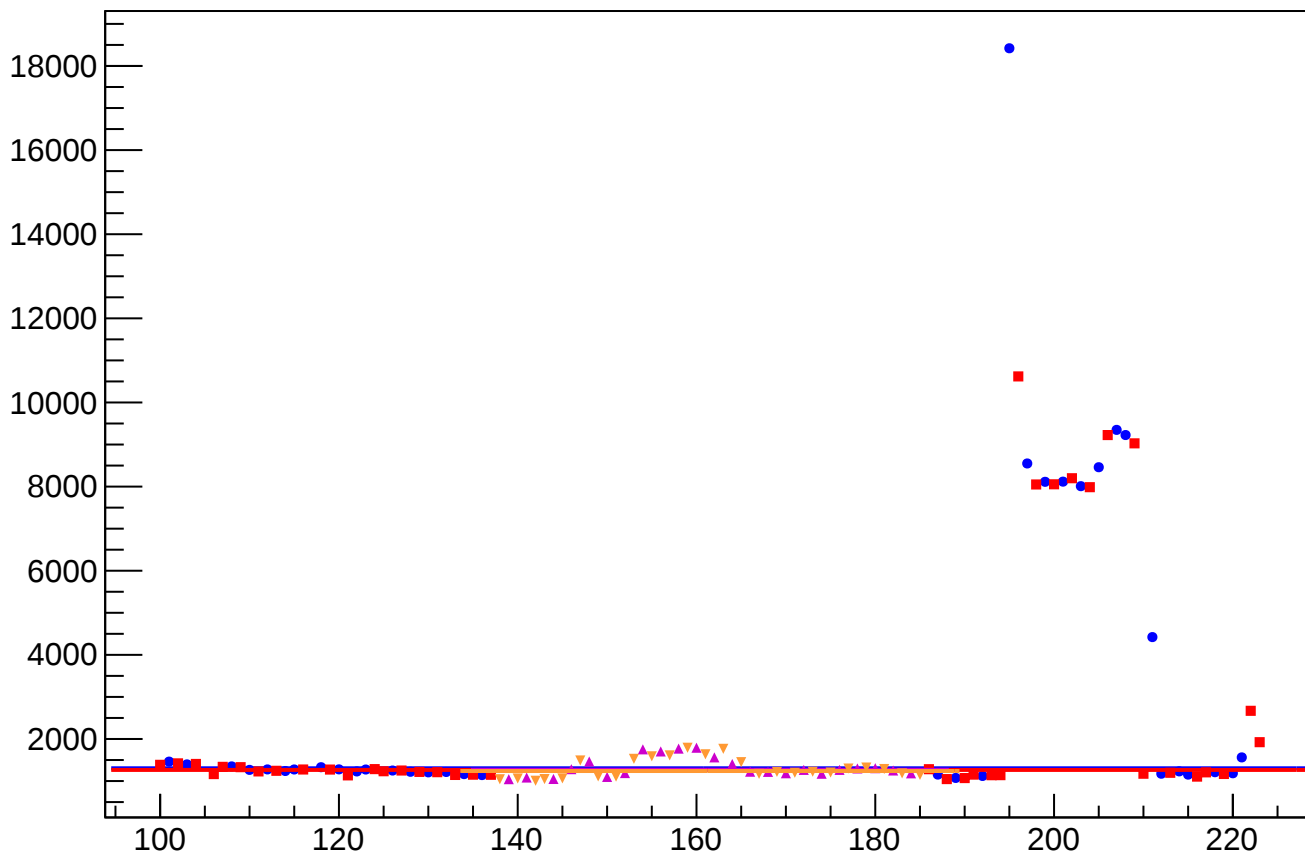
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

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

All: -2.222 ± 0.157 $\chi^2/\text{NDF}: 2947.3/121$

- sign -2.784 ± 0.221 $\chi^2/\text{NDF}: 1887.3/61$

diff_bpm0l08Y_rms vs Slug



Right In: 1303.217+/-0.241 χ^2/NDF : 9792925.2/34

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

Right Out: 1264.598+/-0.223 χ^2/NDF : 8314911.2/38

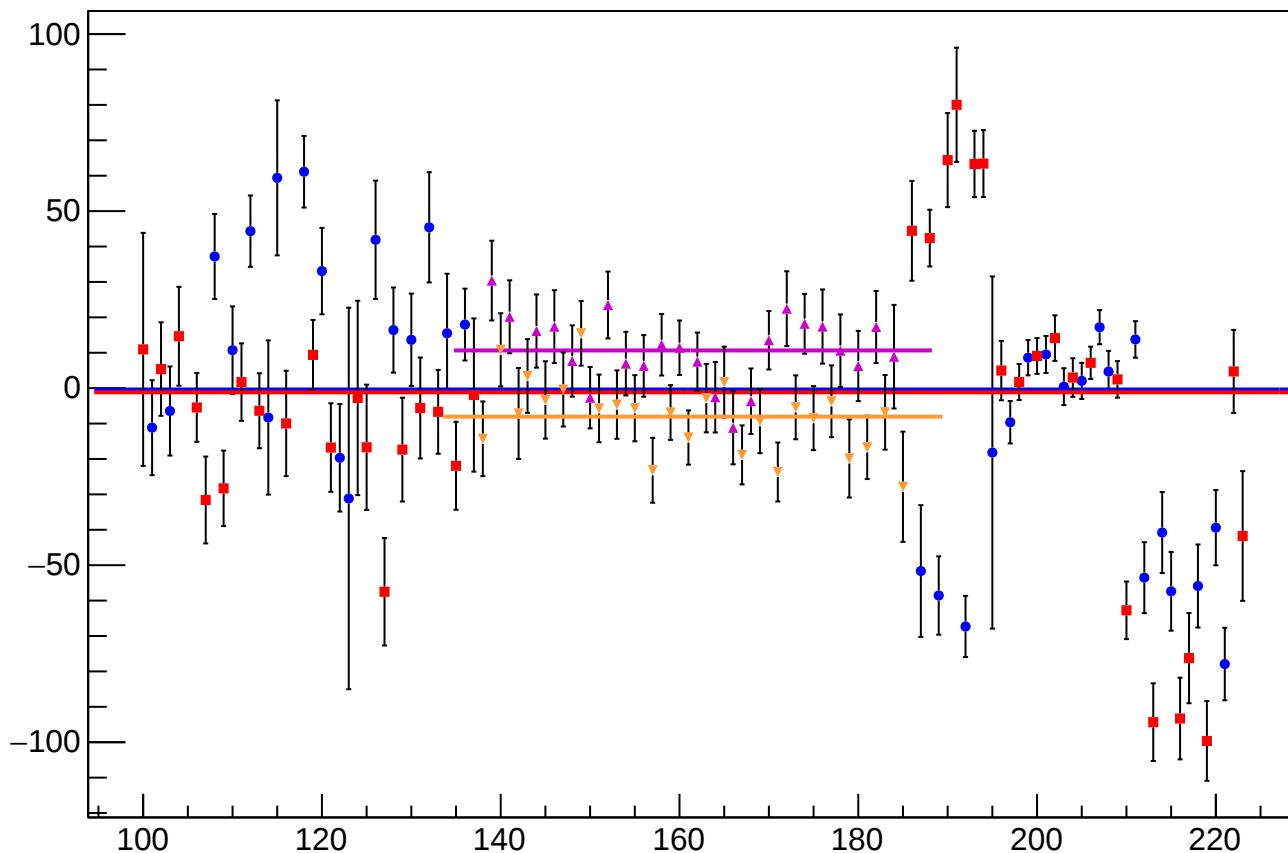
Left In: 1265.673+/-0.218 χ^2/NDF :845157.0/22

+ sign 1265.976+/-0.157 χ^2 /NDF: 10799487.9/59

All: 1265.558+/-0.111 χ^2/NDF : 19959581.9/1

- sign 1265.147+/-0.156 χ^2/NDF : 9160080.0/61

diff_bpm0l09X_mean vs Slug



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

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

Right Out: -1.178 ± 1.485 χ^2/NDF : 545.0/38

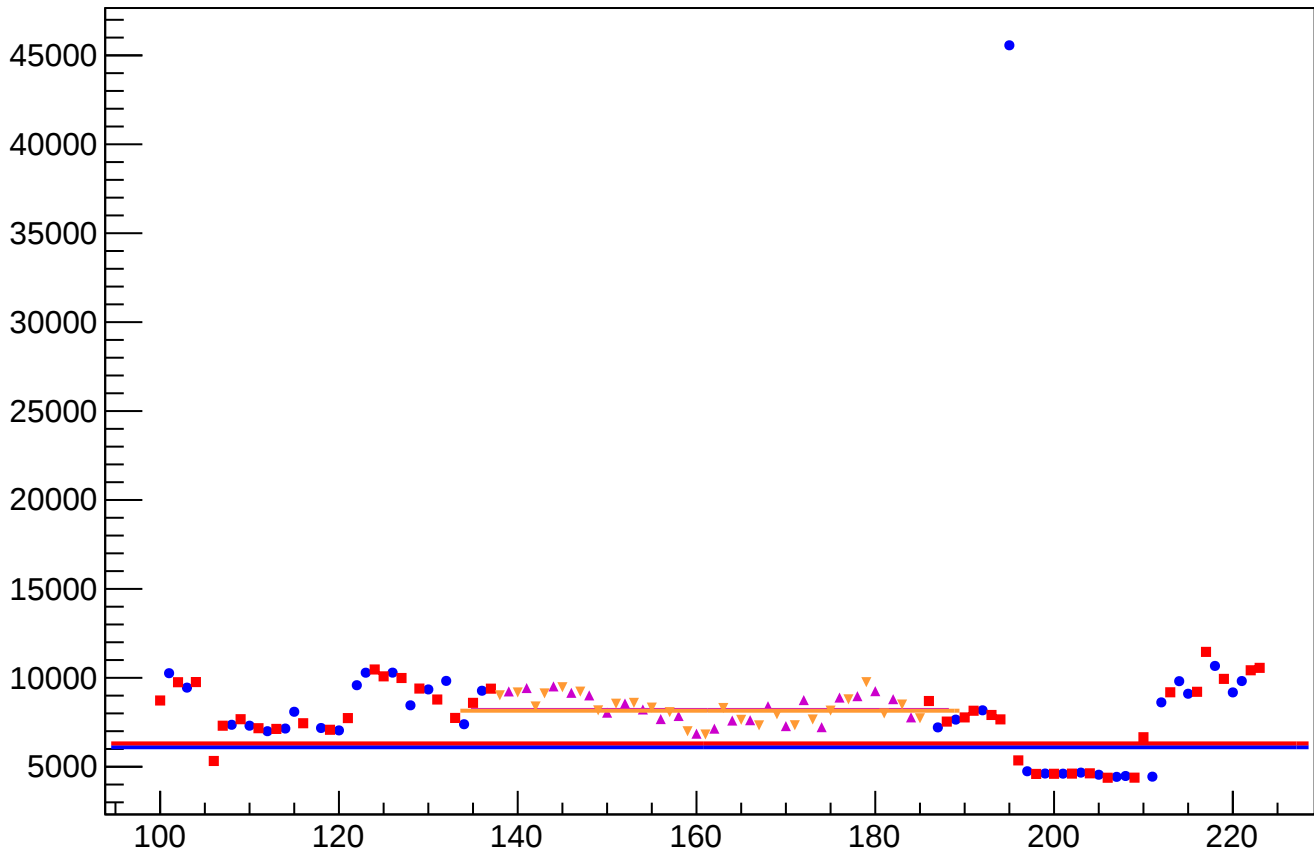
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

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

All: -0.138 ± 0.834 χ^2/NDF : 1033.7/121

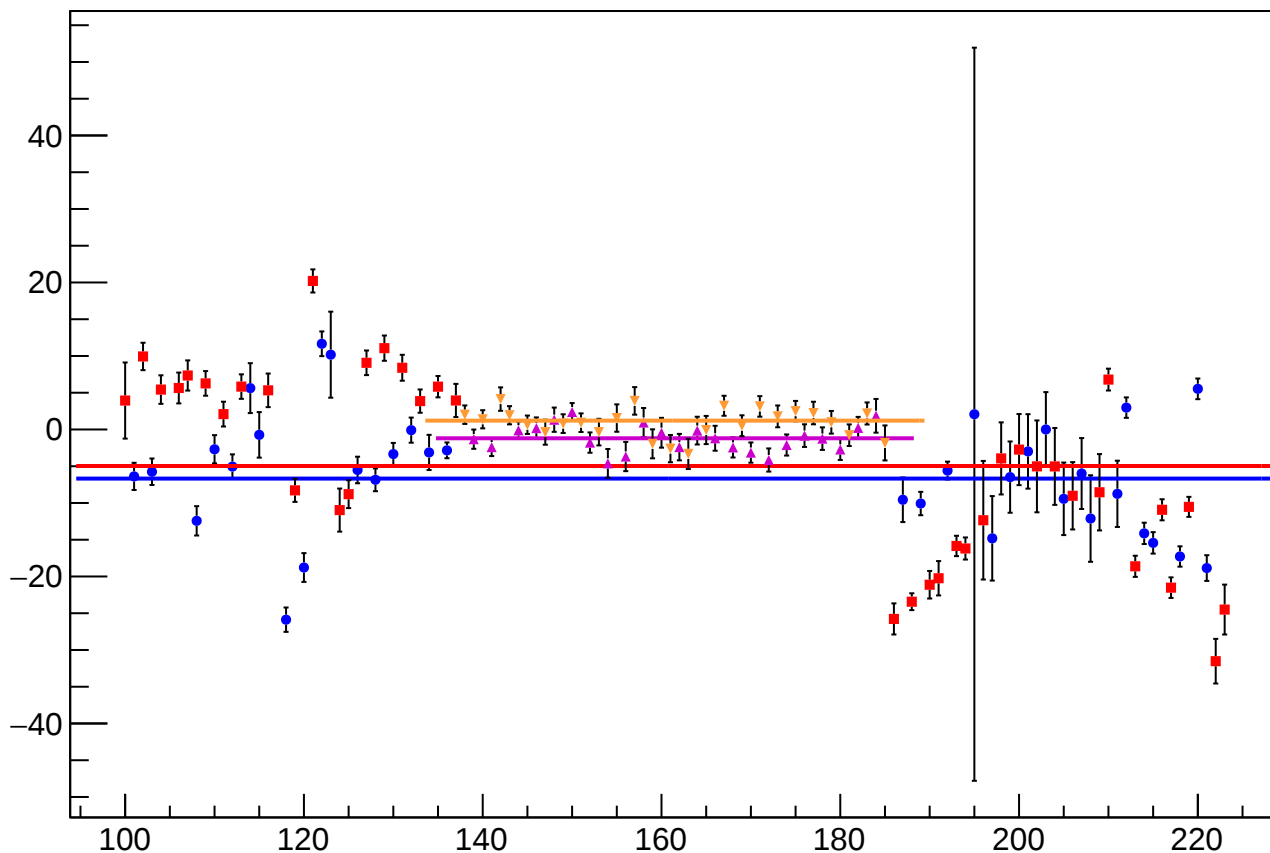
- sign 3.059 ± 1.189 χ^2/NDF : 589.2/61

diff_bpm0l09X_rms vs Slug



Right In: 6096.859+/-1.042	χ^2/NDF : 5227516.7/34	+ sign 6859.558+/-0.826	χ^2/NDF : 6992220.8/59
Left Out: 8151.489+/-1.356	χ^2/NDF : 321803.3/24	All: 6921.932+/-0.589	χ^2/NDF : 12295718.9/1
Right Out: 6313.022+/-1.050	χ^2/NDF : 3804242.5/38	- sign 6986.544+/-0.841	χ^2/NDF : 5291899.6/61
Left In: 8193.636+/-1.405	χ^2/NDF : 338377.6/22		

diff_bpm0l09Y_mean vs Slug



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

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

Right Out: -4.968 ± 0.302 χ^2/NDF : 1896.8/38

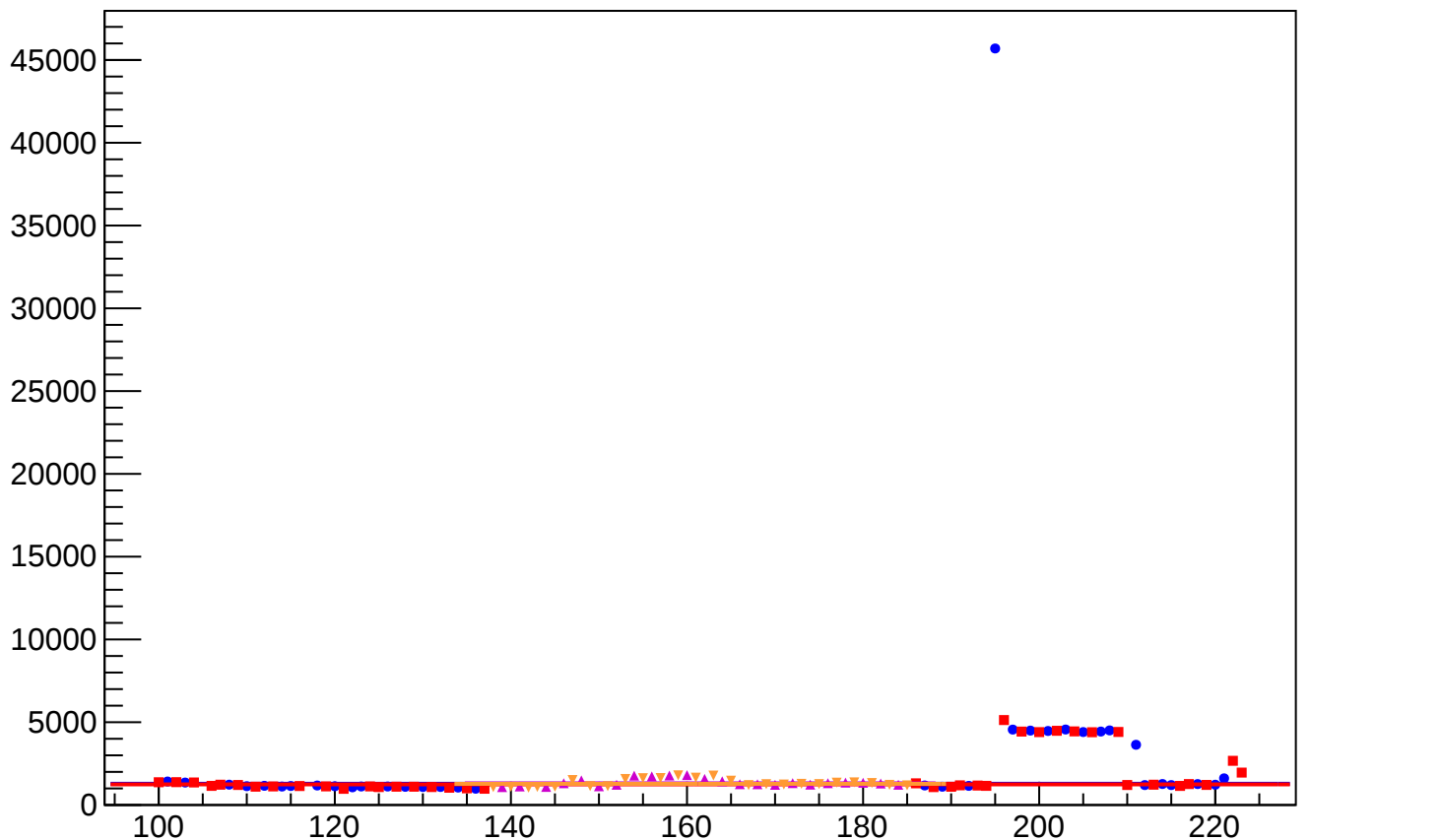
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

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

All: -2.827 ± 0.156 χ^2/NDF : 3023.9/121

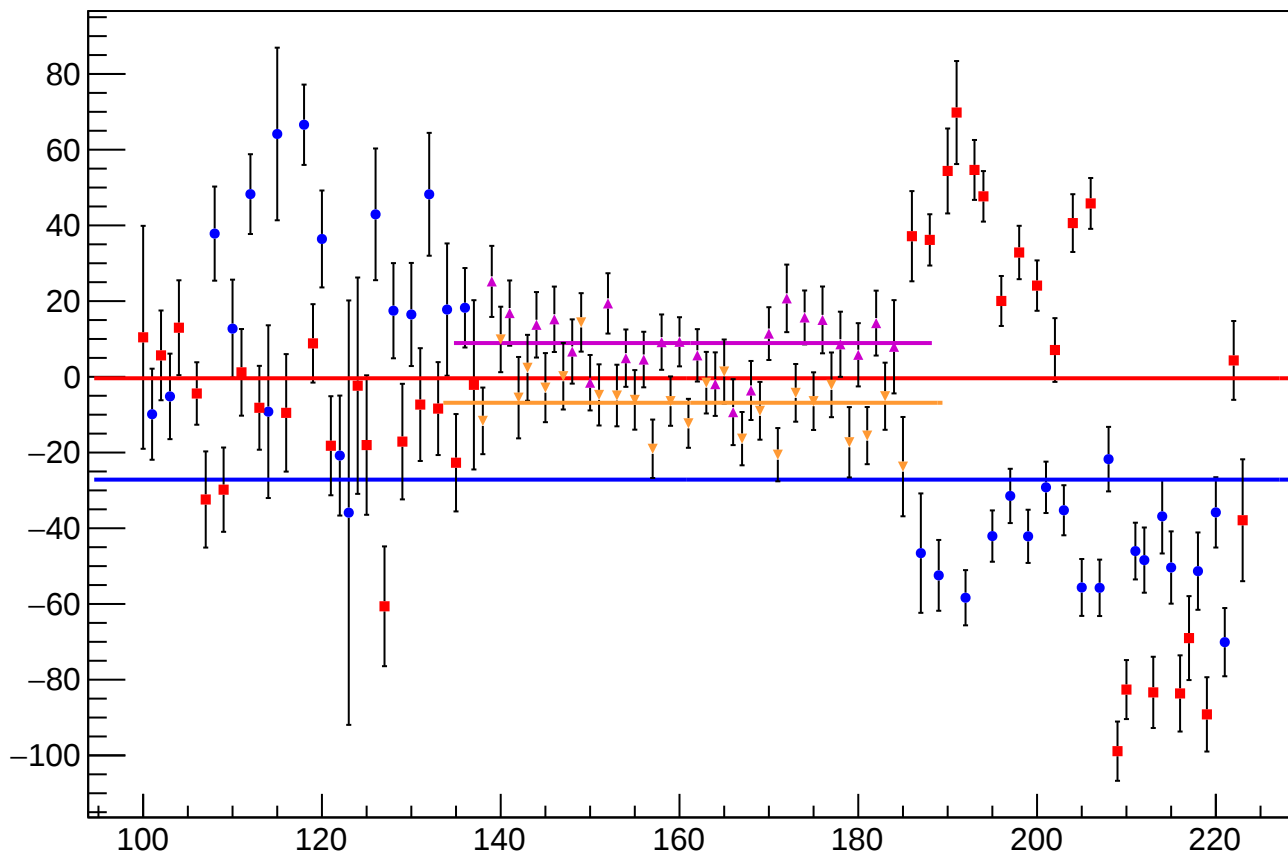
- sign -3.179 ± 0.219 χ^2/NDF : 2001.8/61

diff_bpm0l09Y_rms vs Slug



Right In: 1281.376+/-0.229	χ^2/NDF : 8053127.3/34	+ sign 1279.528+/-0.156	χ^2/NDF : 8931377.2/59
Left Out: 1277.916+/-0.214	χ^2/NDF : 878127.9/24	All: 1276.754+/-0.110	χ^2/NDF : 15774245.1/100
Right Out: 1245.550+/-0.214	χ^2/NDF : 6044436.7/38	- sign 1274.027+/-0.155	χ^2/NDF : 6842243.4/61
Left In: 1305.541+/-0.225	χ^2/NDF : 760450.8/22		

diff_bpm0l10X_mean vs Slug



Right In: -27.153 ± 1.652 χ^2/NDF : 415.9/34

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

Right Out: -0.377 ± 1.590 χ^2/NDF : 892.4/38

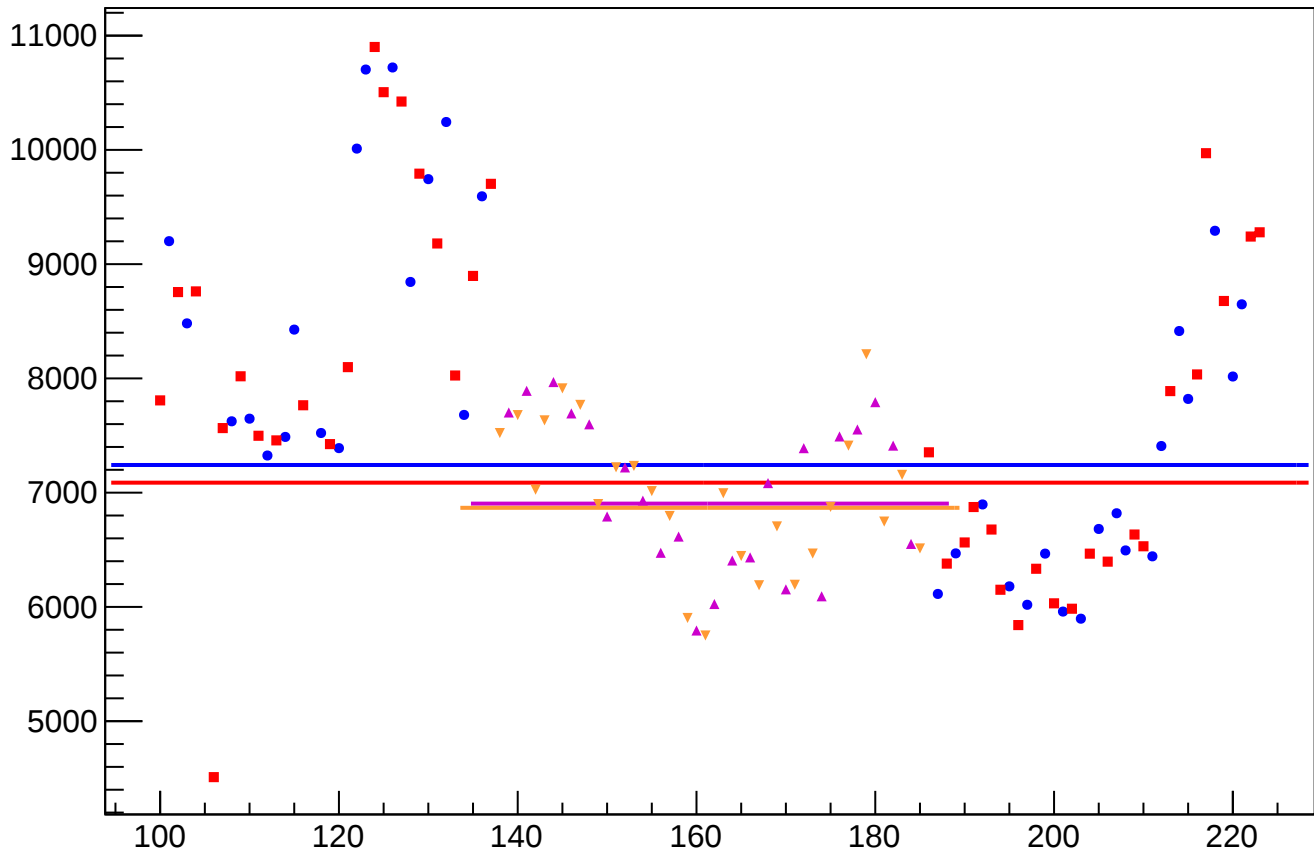
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -16.778 ± 1.155 χ^2/NDF : 521.7/59

All: -6.354 ± 0.816 χ^2/NDF : 1614.7/121

- sign 4.033 ± 1.153 χ^2/NDF : 930.4/61

diff_bpm0l10X_rms vs Slug



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

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

Right Out: 7087.507+/-1.124 χ^2/NDF : 1330735.7/38

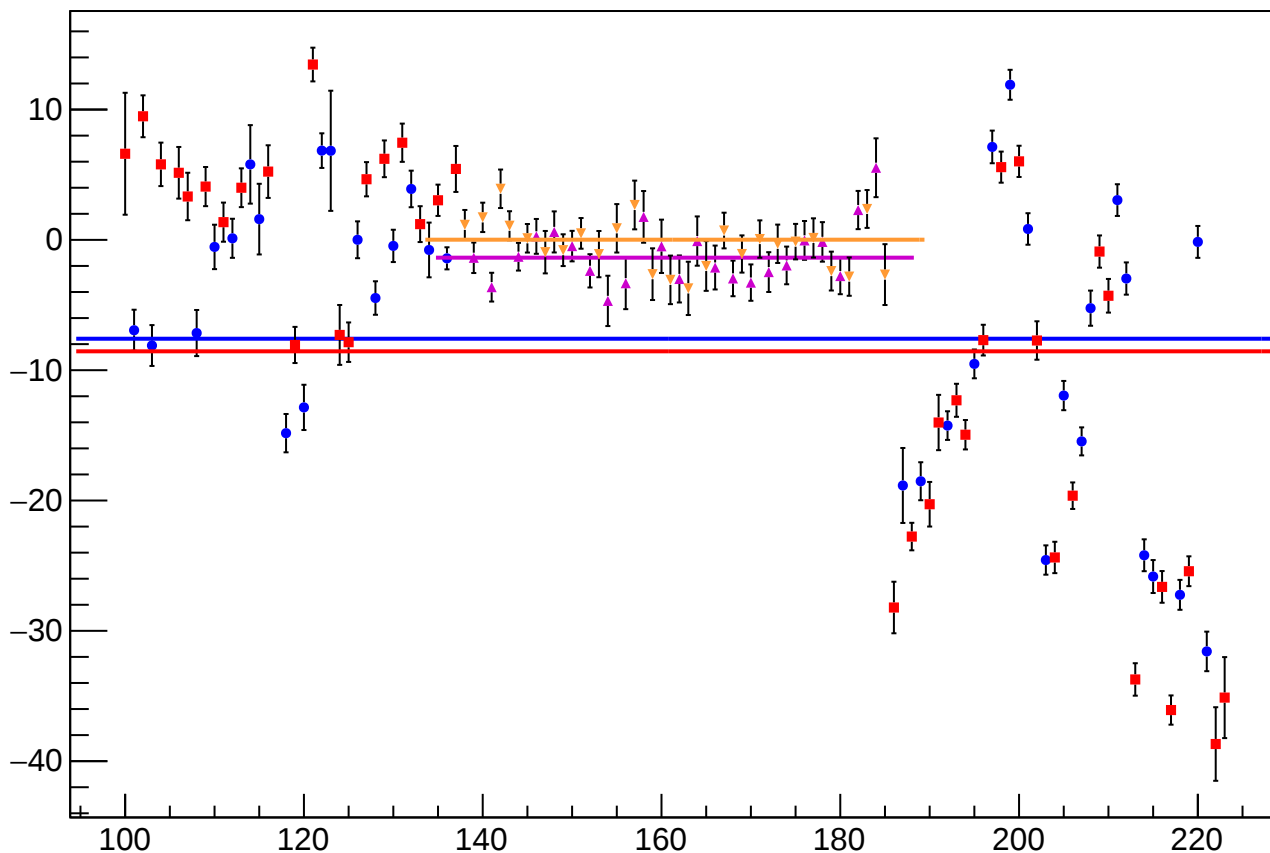
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

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

All: 7025.536+/-0.577 χ^2/NDF : 3087733.4/12

- sign 7000.547+/-0.815 χ^2/NDF : 1669264.9/61

diff_bpm0l10Y_mean vs Slug



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

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

Right Out: -8.552 ± 0.227 χ^2/NDF : 3999.3/38

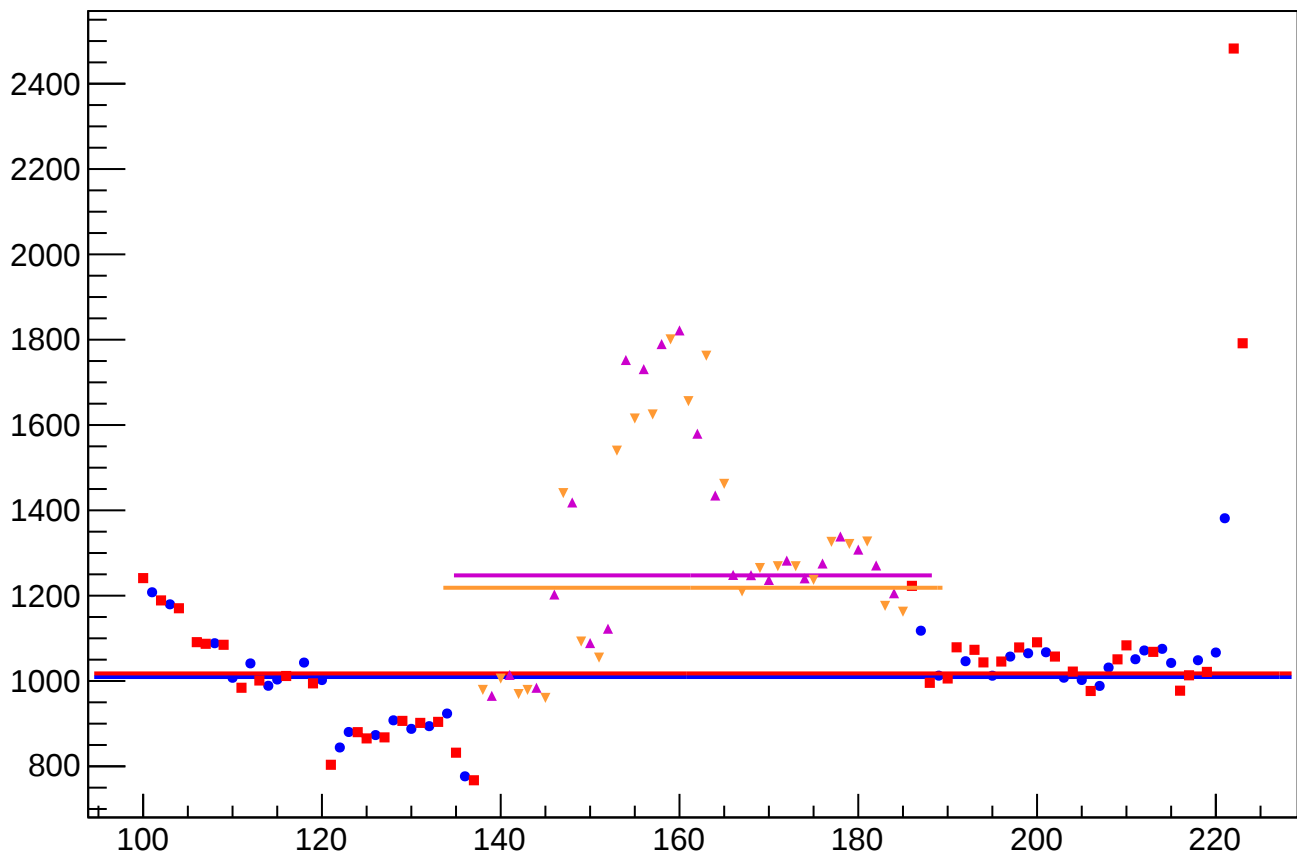
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

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

All: -5.332 ± 0.128 χ^2/NDF : 7264.5/121

- sign -6.002 ± 0.182 χ^2/NDF : 4394.8/61

diff_bpm0l10Y_rms vs Slug



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

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

Right Out: 1017.741 $\pm$ 0.160 χ^2 /NDF: 1012634.3/38

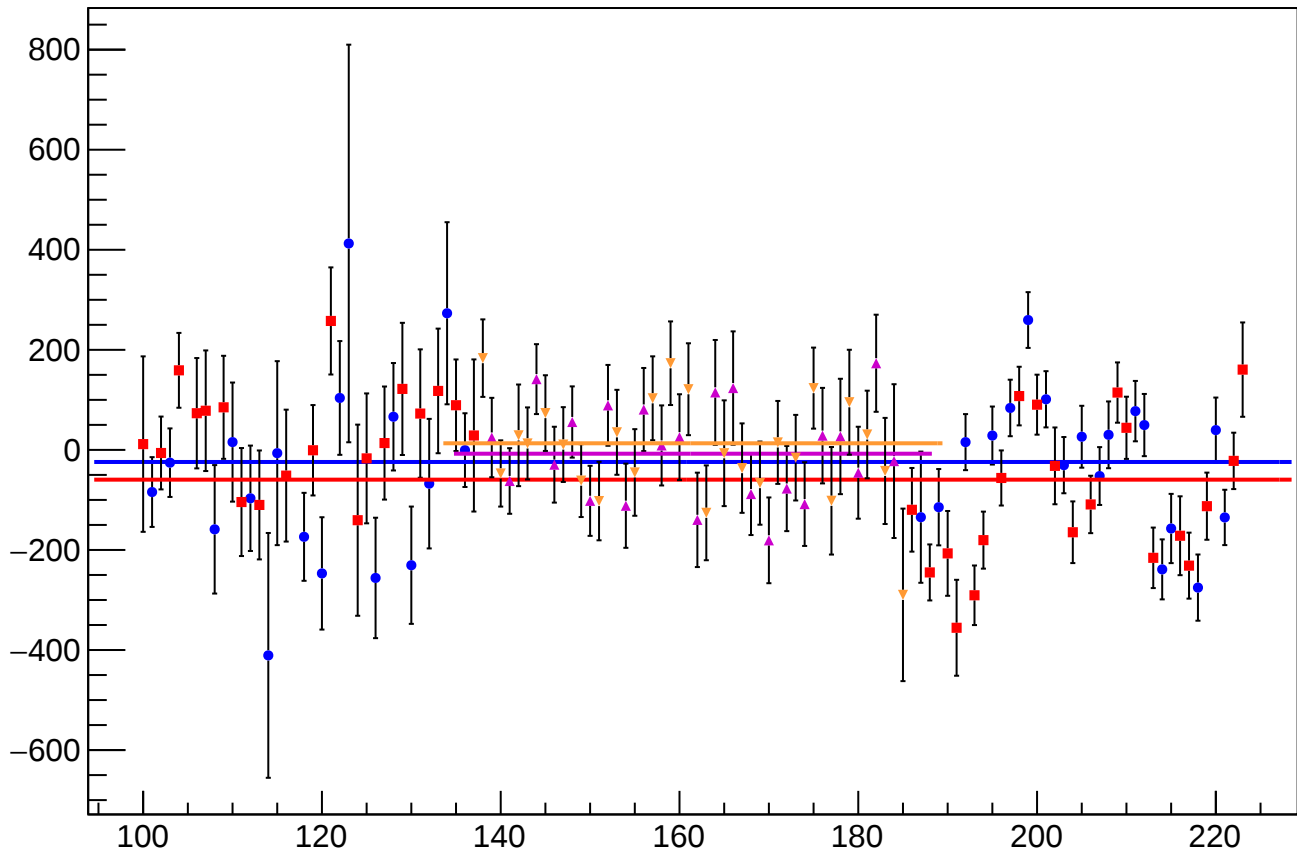
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

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

All: 1094.161 $\pm$ 0.090 χ^2 /NDF: 5201290.3/12

- sign 1099.272 $\pm$ 0.129 χ^2 /NDF: 2816144.8/61

diff_bpm0r03X_mean vs Slug



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

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

Right Out: -59.487 ± 12.522 χ^2/NDF : 127.1/38

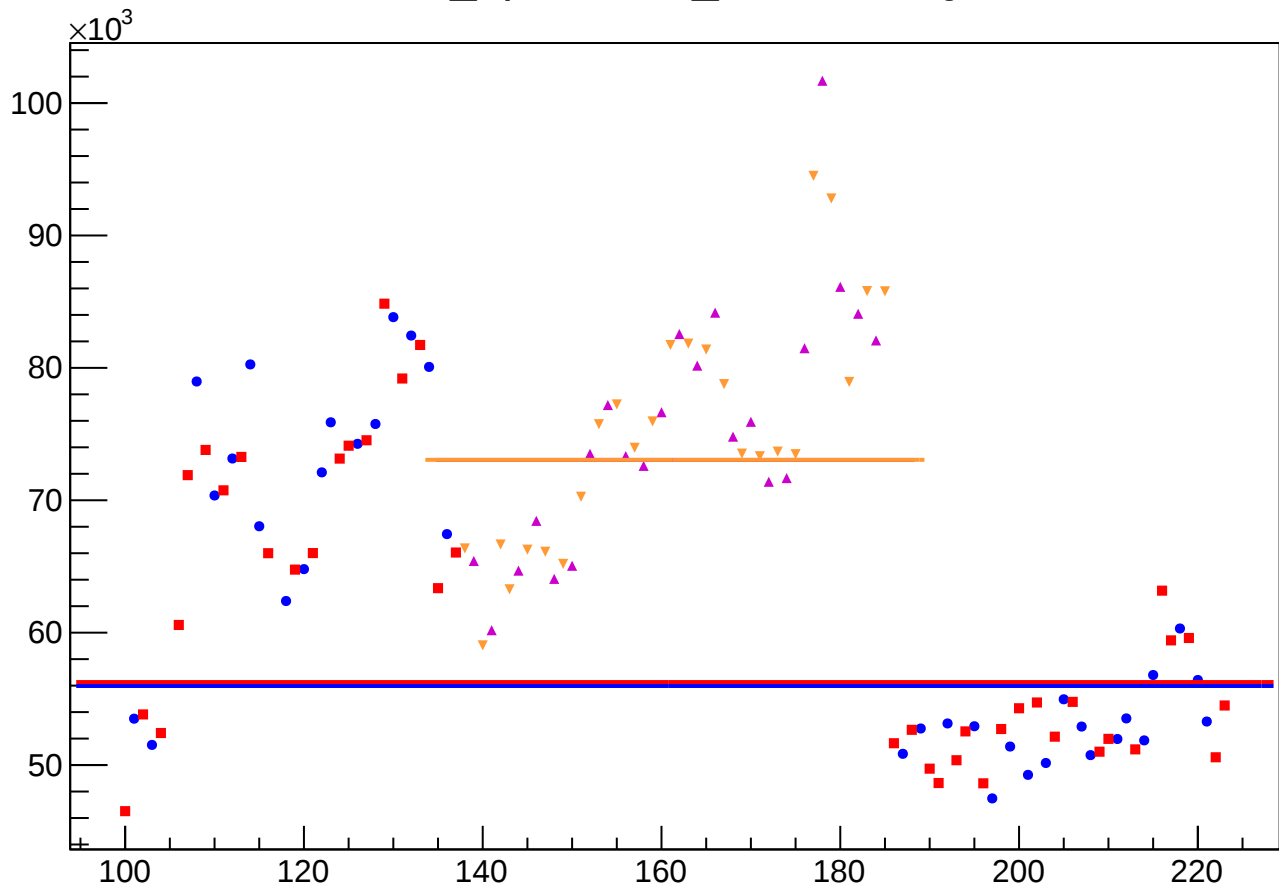
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

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

All: -26.514 ± 7.222 χ^2/NDF : 299.9/121

- sign -42.149 ± 10.217 χ^2/NDF : 161.0/61

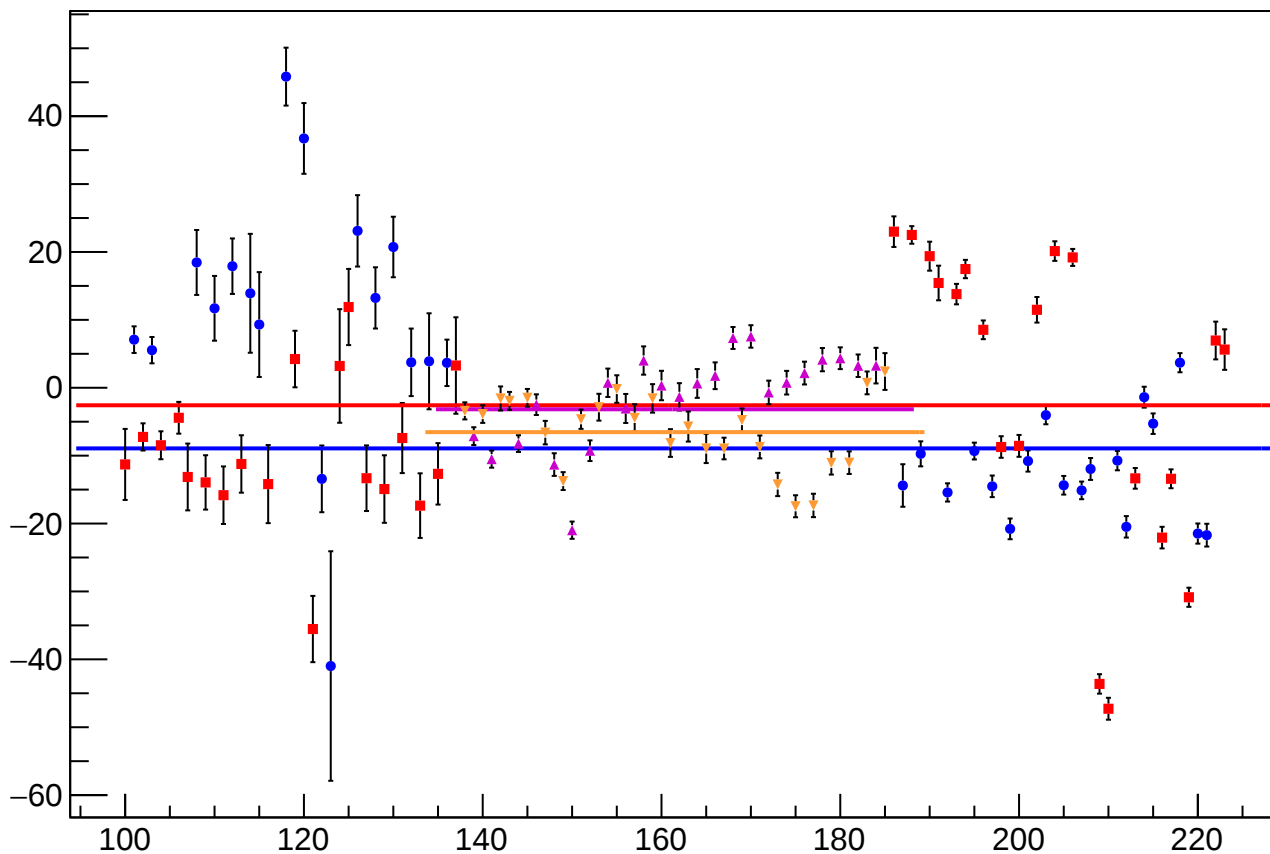
diff_bpm0r03X_rms vs Slug



Right In: 55973.139 ± 8.985 $\chi^2/\text{NDF}: 827670.6/34$
 Left Out: 73054.401 ± 12.124 $\chi^2/\text{NDF}: 473050.9/24$
 Right Out: 56269.717 ± 8.854 $\chi^2/\text{NDF}: 816514.0/38$
 Left In: 73045.500 ± 12.496 $\chi^2/\text{NDF}: 463525.5/22$

+ sign 62028.278 ± 7.219 $\chi^2/\text{NDF}: 2581987.8/59$
 All: 61952.911 ± 5.106 $\chi^2/\text{NDF}: 5062130.8/1$
 - sign 61877.420 ± 7.225 $\chi^2/\text{NDF}: 2479924.8/61$

diff_bpm0r03Y_mean vs Slug



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

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

Right Out: -2.581 ± 0.330 $\chi^2/\text{NDF}: 4098.5/38$

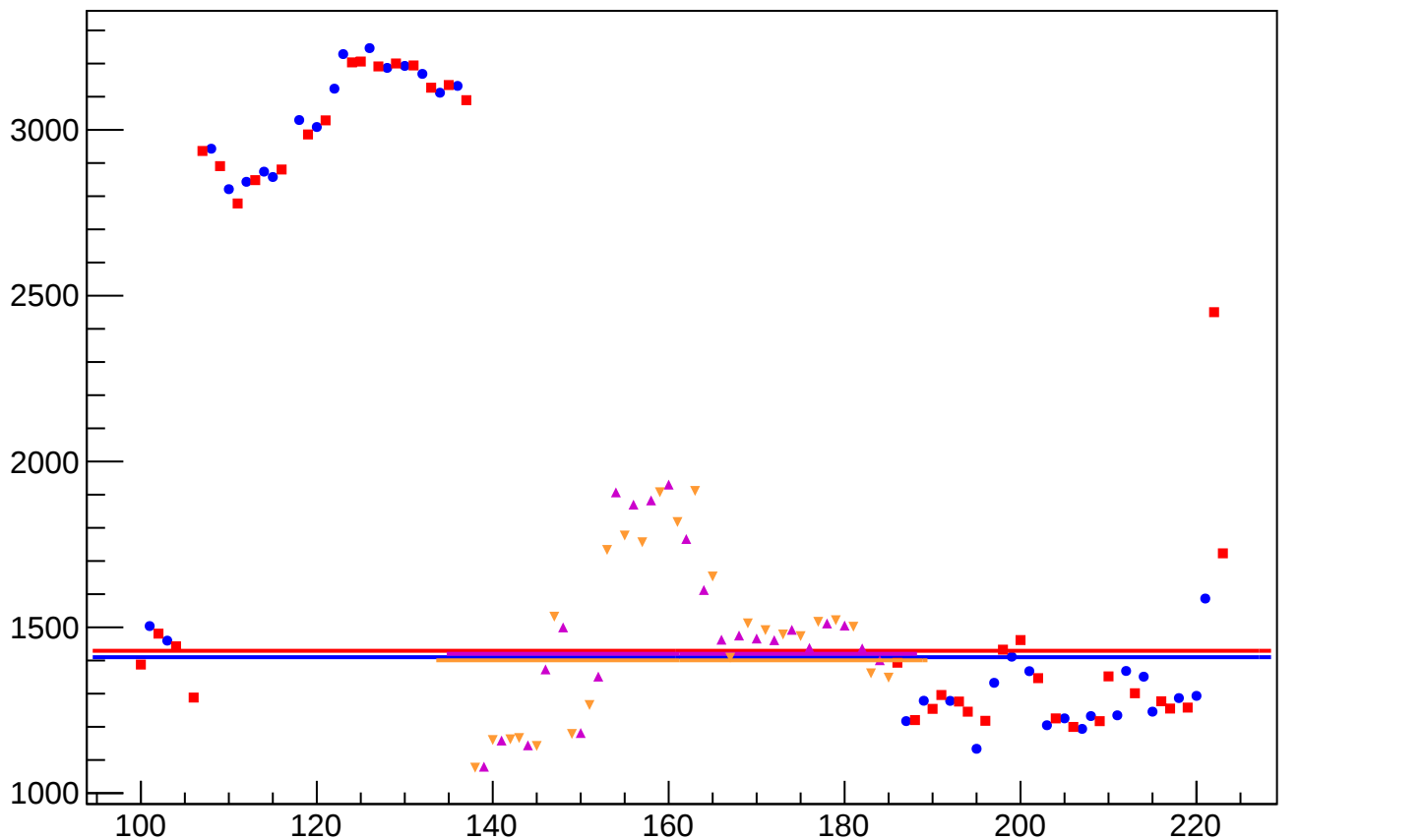
Left In: -3.171 ± 0.346 $\chi^2/\text{NDF}: 487.3/22$

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

All: -5.345 ± 0.167 $\chi^2/\text{NDF}: 6132.8/121$

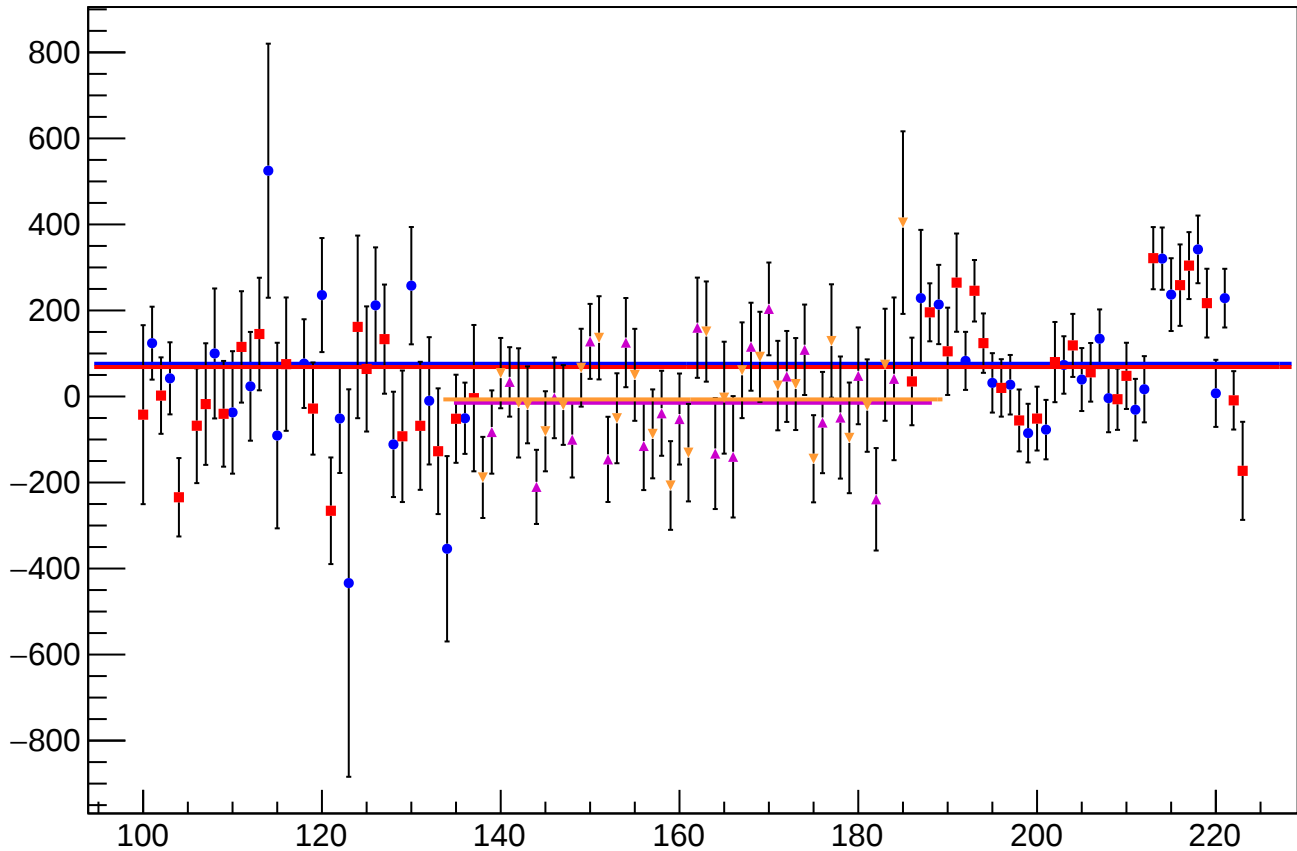
- sign -2.862 ± 0.239 $\chi^2/\text{NDF}: 4587.4/61$

diff_bpm0r03Y_rms vs Slug



Right In: 1409.964 $\pm$ 0.235	χ^2 /NDF: 3662914.1/34	+ sign 1405.301 $\pm$ 0.166	χ^2 /NDF: 4701626.0/59
Left Out: 1400.637 $\pm$ 0.235	χ^2 /NDF: 1037921.6/24	All: 1414.971 $\pm$ 0.118	χ^2 /NDF: 9538071.2/12
Right Out: 1429.322 $\pm$ 0.234	χ^2 /NDF: 3923619.0/38	- sign 1425.017 $\pm$ 0.169	χ^2 /NDF: 4829517.8/61
Left In: 1420.285 $\pm$ 0.245	χ^2 /NDF: 905186.2/22		

diff_bpm0r05X_mean vs Slug



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

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

Right Out: 68.461 $\pm$ 14.998 χ^2 /NDF: 84.5/38

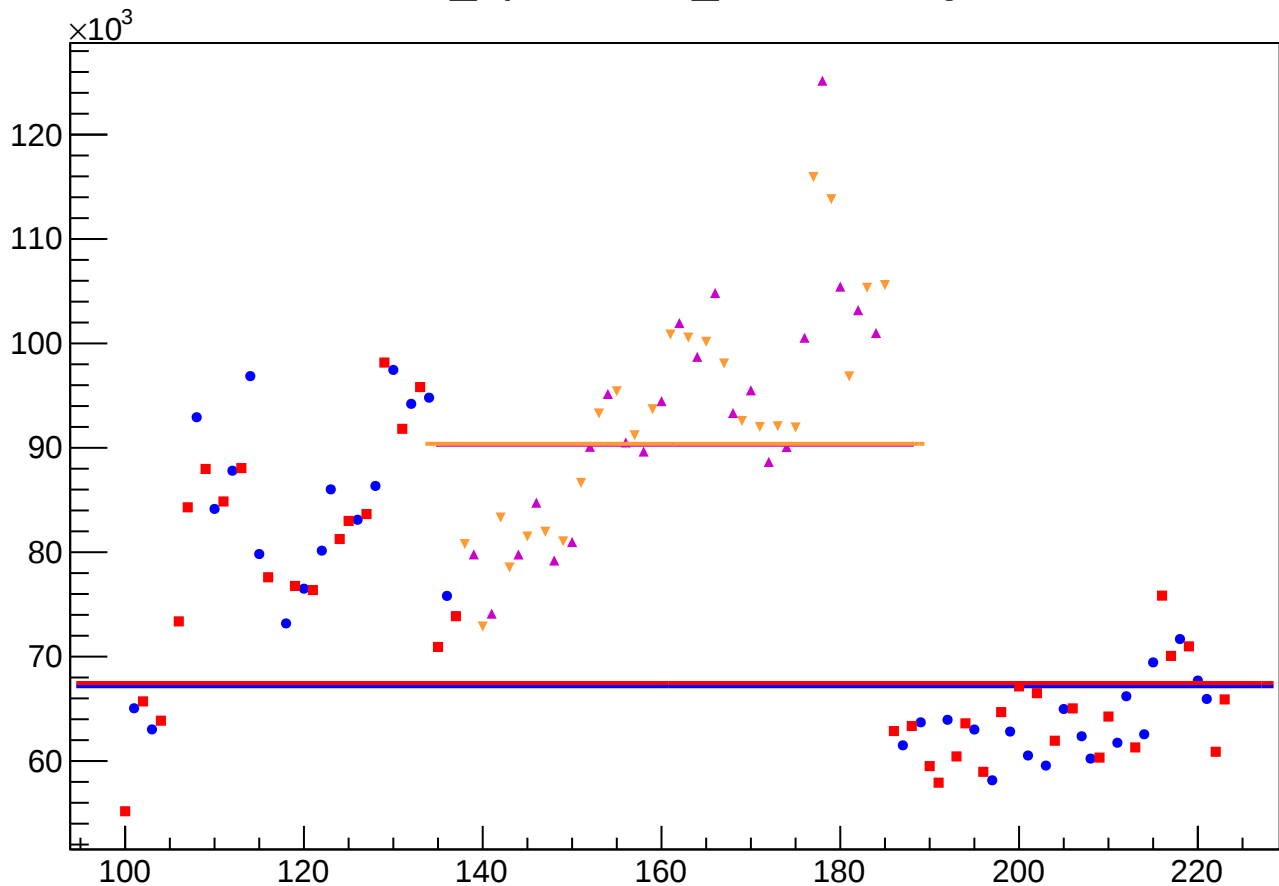
Left In: -14.611 $\pm$ 21.846 χ^2 /NDF:29.8/22

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

All: 44.878 $\pm$ 8.744 χ^2 /NDF: 230.4/121

- sign 41.850 $\pm$ 12.364 χ^2 /NDF: 124.2/61

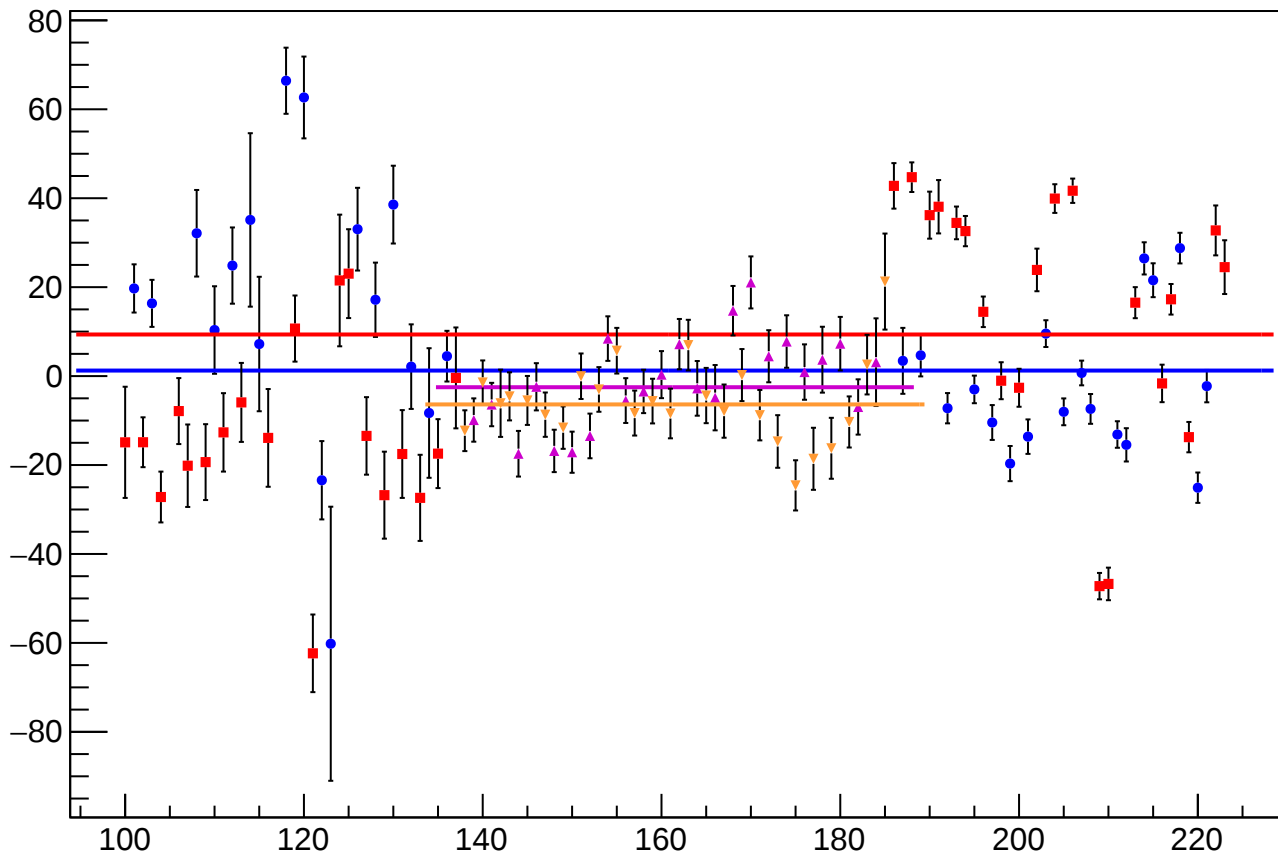
diff_bpm0r05X_rms vs Slug



Right In: 67162.827 ± 10.763 $\chi^2/\text{NDF}: 670777.1/34$
 Left Out: 90384.853 ± 15.000 $\chi^2/\text{NDF}: 461648.2/24$
 Right Out: 67472.558 ± 10.605 $\chi^2/\text{NDF}: 688673.1/38$
 Left In: 90293.591 ± 15.448 $\chi^2/\text{NDF}: 461337.5/22$

+ sign 75055.233 ± 8.745 $\chi^2/\text{NDF}: 2714591.1/59$
 All: 74919.042 ± 6.183 $\chi^2/\text{NDF}: 5348450.0/1$
 - sign 74782.903 ± 8.743 $\chi^2/\text{NDF}: 2633373.9/61$

diff_bpm0r05Y_mean vs Slug



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

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

Right Out: 9.357 ± 0.781 χ^2/NDF : 1465.1/38

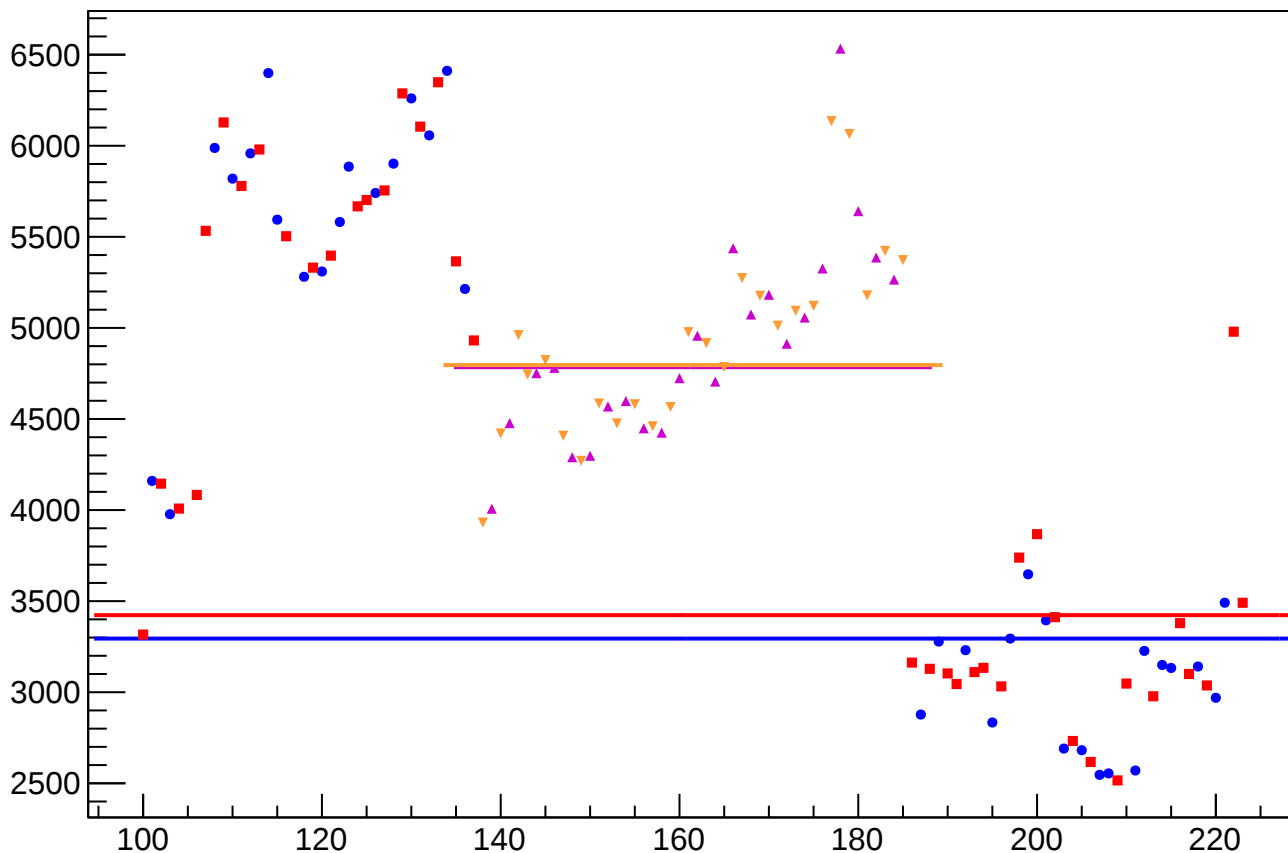
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

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

All: 2.160 ± 0.453 χ^2/NDF : 2286.7/121

- sign 5.641 ± 0.647 χ^2/NDF : 1615.8/61

diff_bpm0r05Y_rms vs Slug



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

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

Right Out: 3423.013 $\pm$ 0.552 χ^2 /NDF: 2772212.8/38

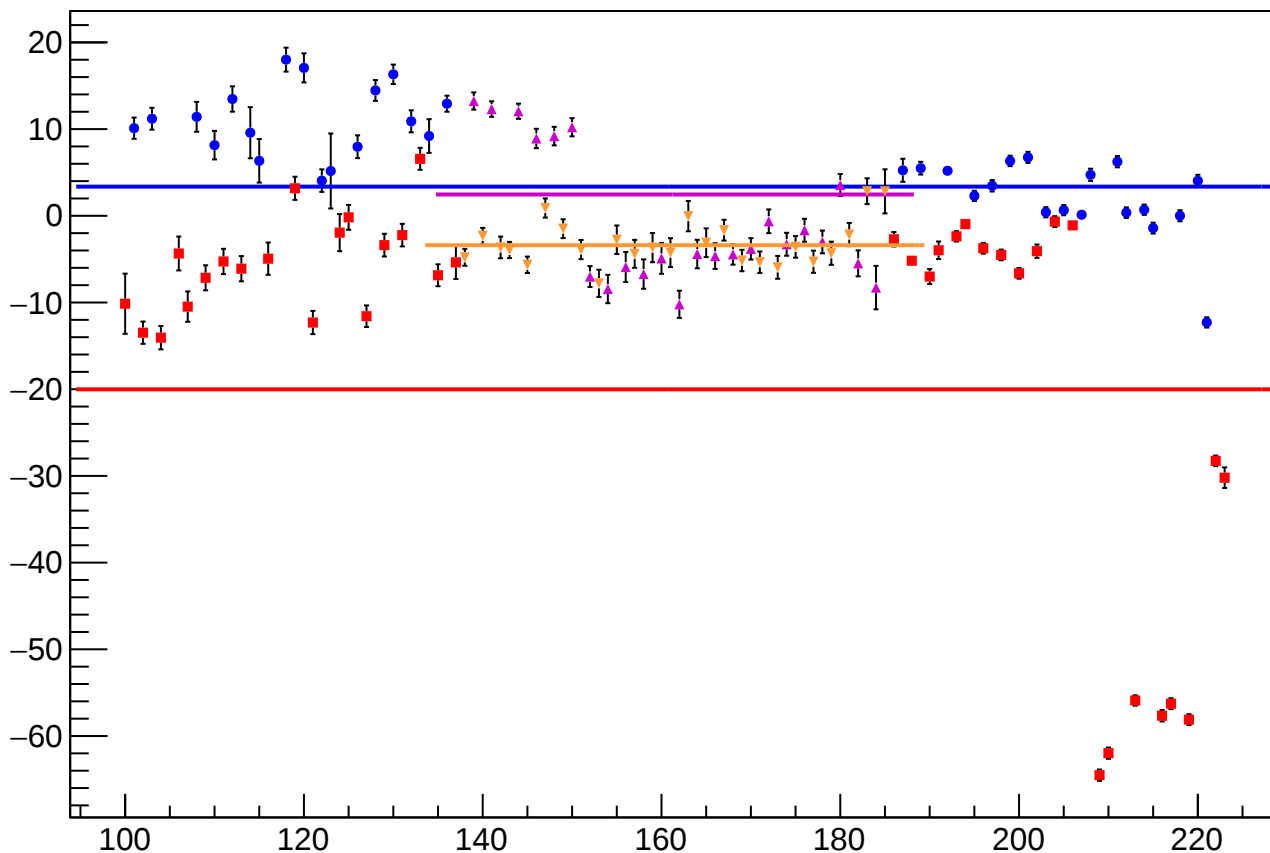
Left In: 4784.434 $\pm$ 0.817 χ^2 /NDF: 357507.2/22

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

All: 3809.440 $\pm$ 0.320 χ^2 /NDF: 10571895.7/100

- sign 3849.641 $\pm$ 0.458 χ^2 /NDF: 5034673.2/61

diff_bpm2i01X_mean vs Slug



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

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

Right Out: -20.012 ± 0.134 χ^2/NDF : 33047.1/38

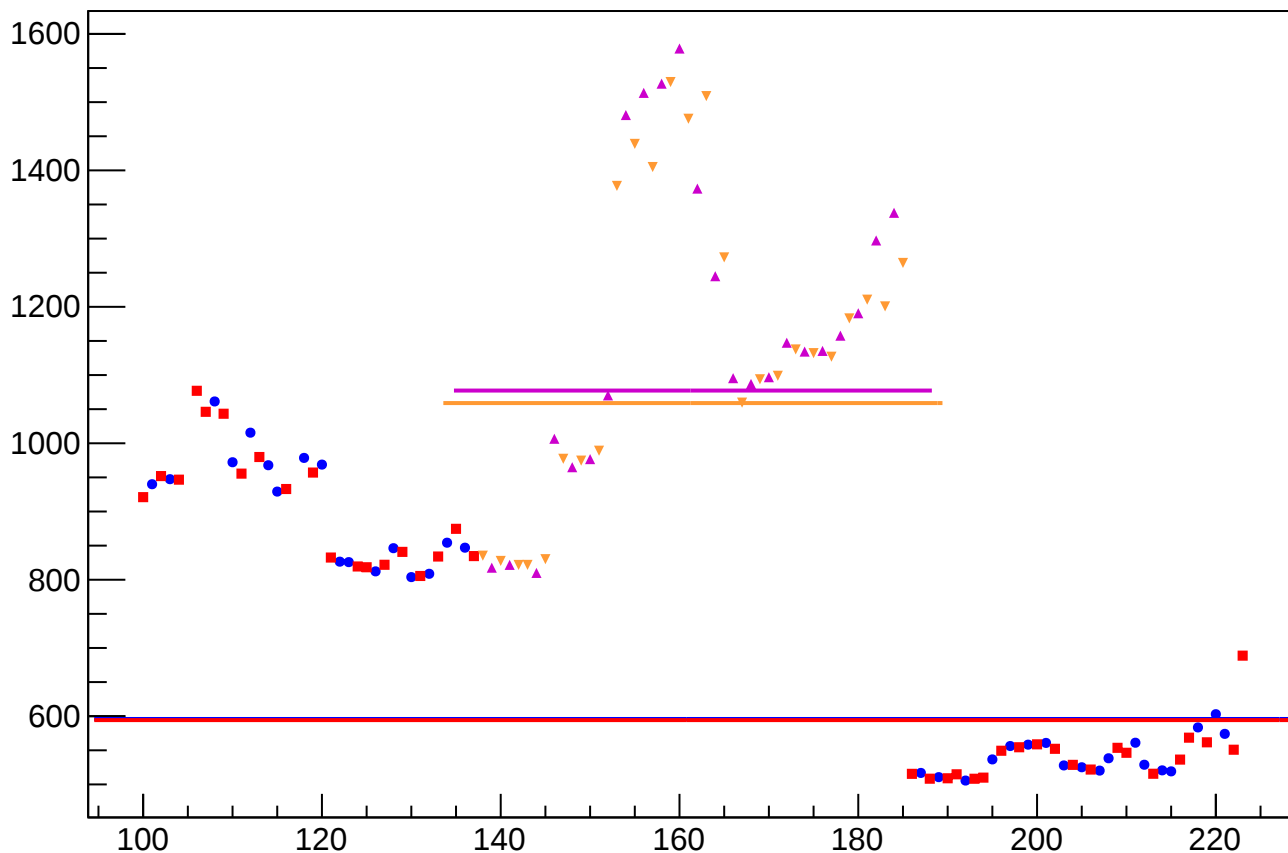
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

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

All: -6.841 ± 0.085 χ^2/NDF : 52445.9/121

- sign -15.420 ± 0.120 χ^2/NDF : 39724.6/61

diff_bpm2i01X_rms vs Slug



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

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

Right Out: 594.271 $\pm$ 0.095 χ^2 /NDF: 2136872.8/38

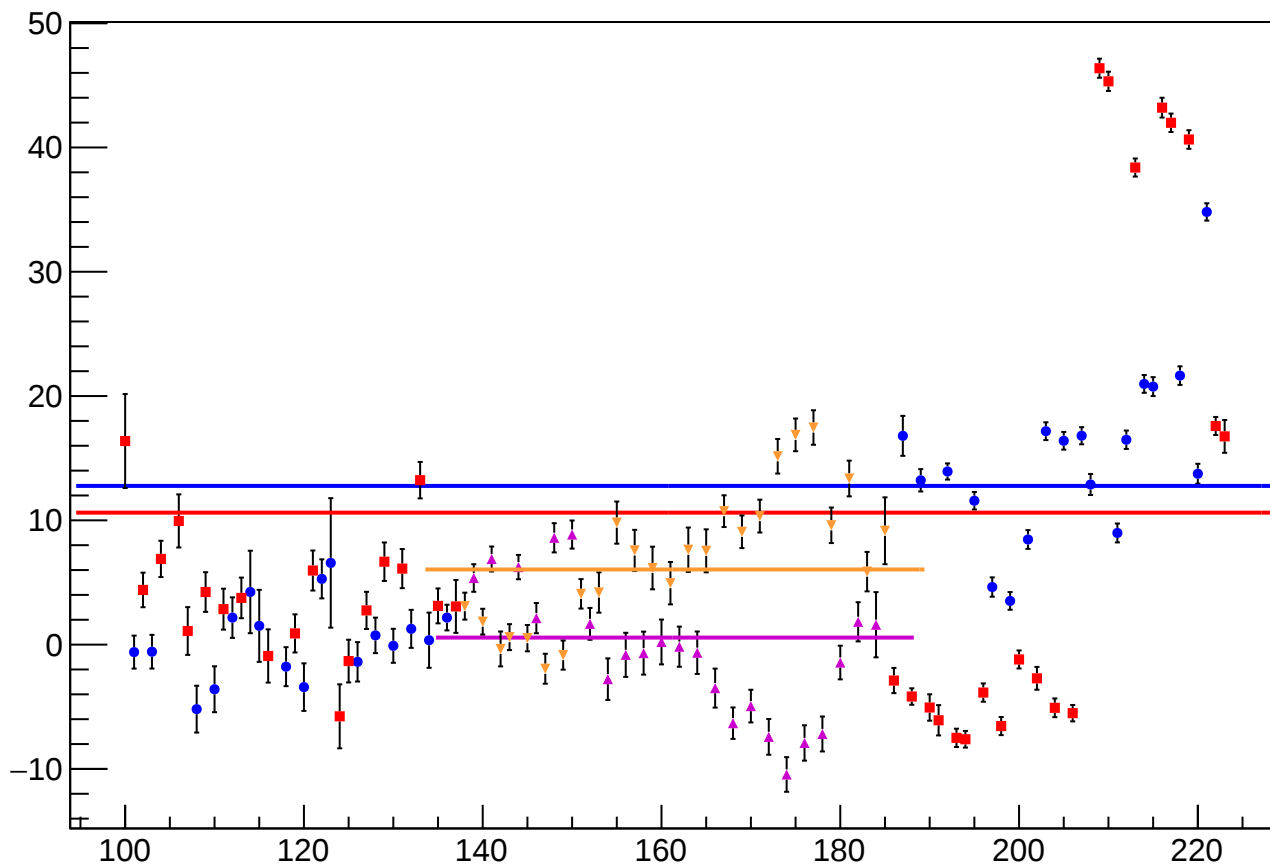
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF:1280349.9/22

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

All: 696.949 $\pm$ 0.060 χ^2 /NDF: 17246634.4/12

- sign 692.974 $\pm$ 0.085 χ^2 /NDF: 8729285.1/61

diff_bpm2i01Y_mean vs Slug



Right In: 12.769 ± 0.163 $\chi^2/\text{NDF}: 2898.3/34$

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

Right Out: 10.619 ± 0.159 $\chi^2/\text{NDF}: 16057.7/38$

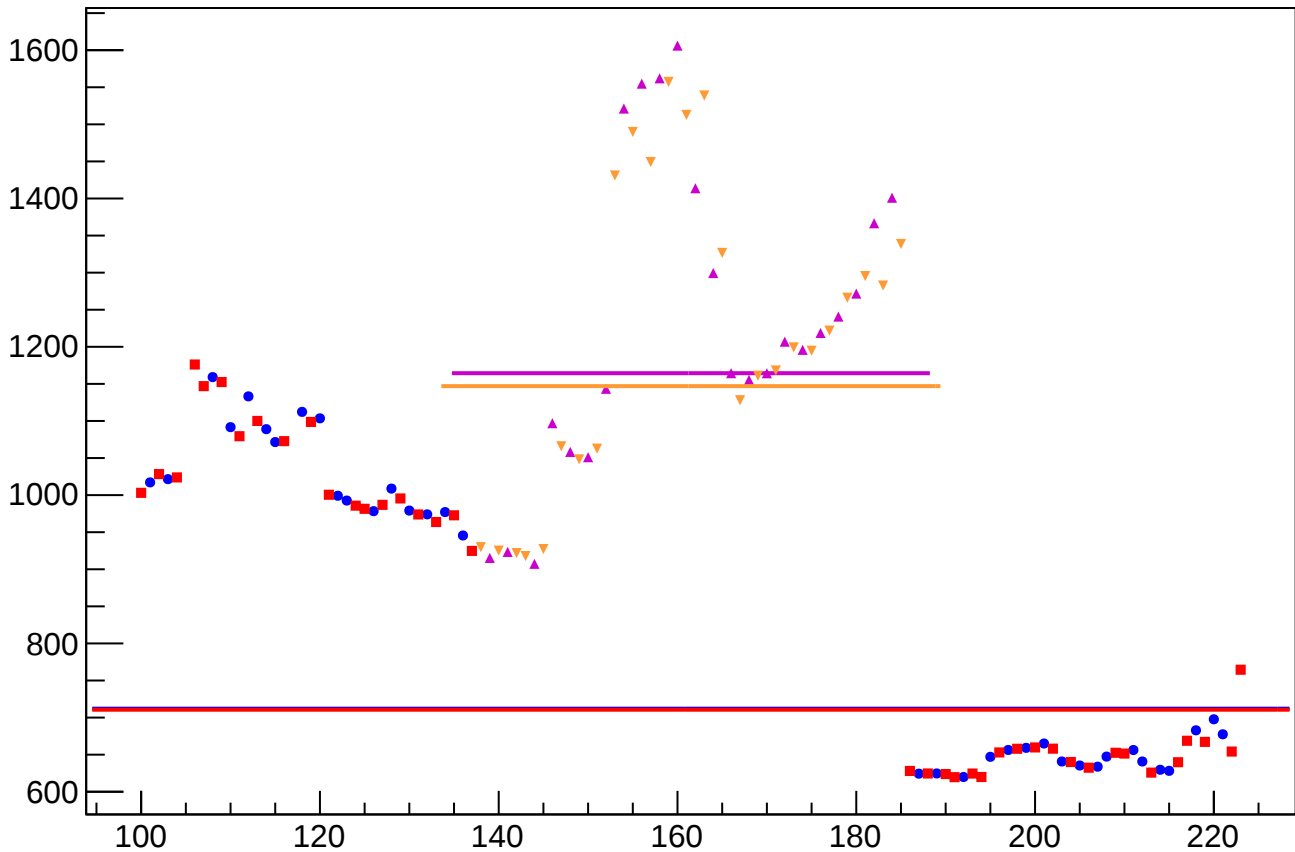
Left In: 0.566 ± 0.284 $\chi^2/\text{NDF}: 417.0/22$

+ sign 10.996 ± 0.140 $\chi^2/\text{NDF}: 3780.2/59$

All: 9.599 ± 0.098 $\chi^2/\text{NDF}: 21406.8/121$

- sign 8.211 ± 0.139 $\chi^2/\text{NDF}: 17426.7/61$

diff_bpm2i01Y_rms vs Slug



Right In: 712.011 $\pm$ 0.115 χ^2 /NDF: 1572580.2/34

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

Right Out: 710.628 $\pm$ 0.113 χ^2 /NDF: 1752865.2/38

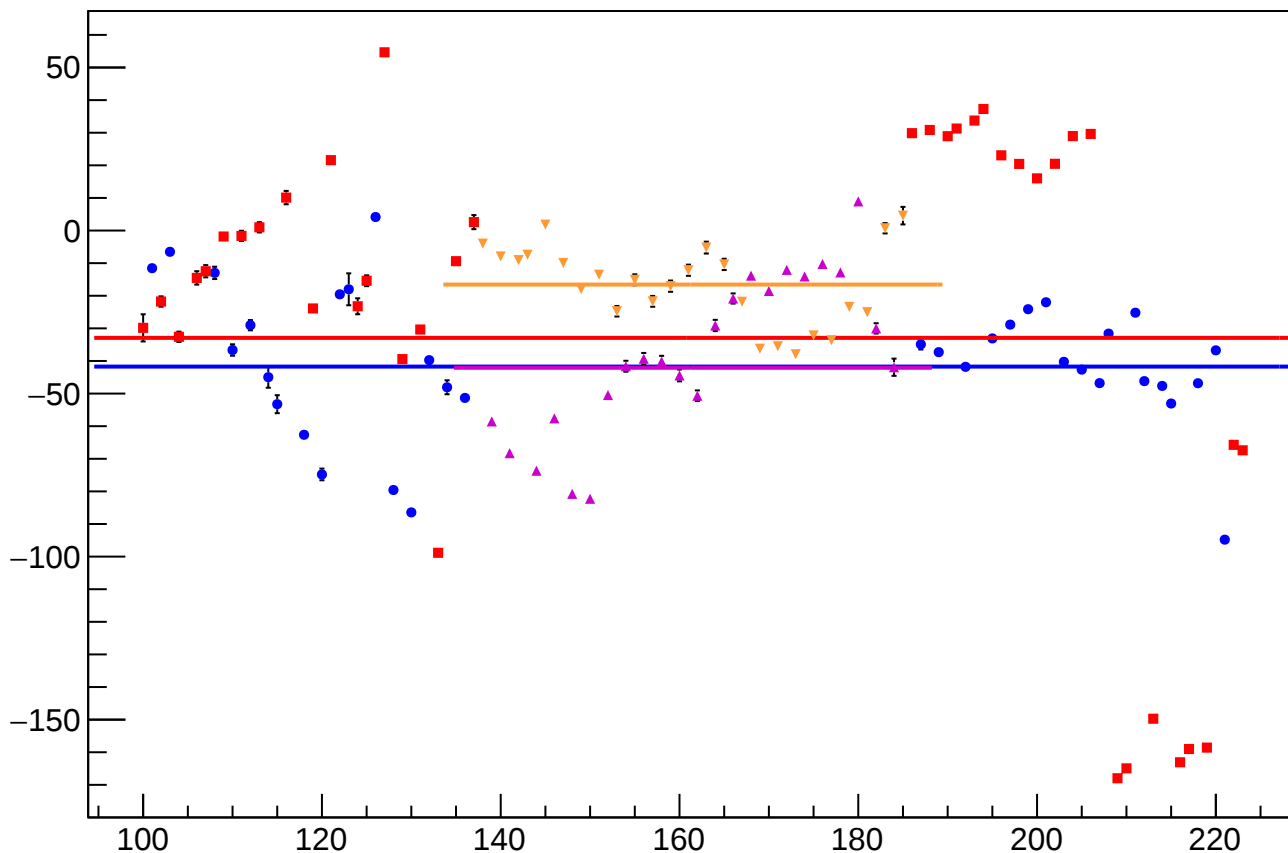
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF:944112.0/22

+ sign 826.724 $\pm$ 0.099 χ^2 /NDF: 6392757.6/59

All: 823.015 $\pm$ 0.070 χ^2 /NDF: 12972575.3/12

- sign 819.332 $\pm$ 0.098 χ^2 /NDF: 6577001.3/61

diff_bpm2i02X_mean vs Slug



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

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

Right Out: -32.912 ± 0.158 χ^2/NDF : 253733.7/38

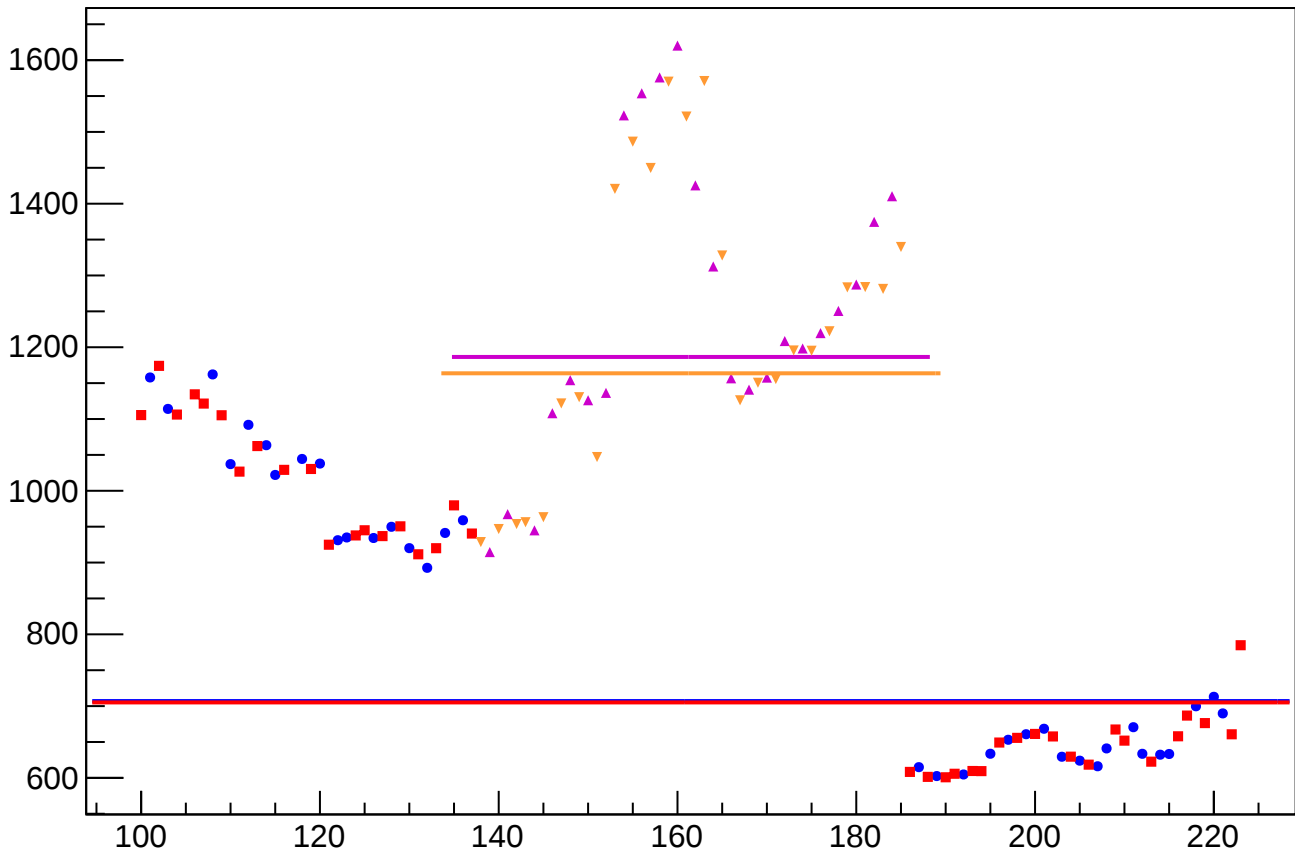
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

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

All: -35.155 ± 0.098 χ^2/NDF : 284492.7/121

- sign -35.023 ± 0.139 χ^2/NDF : 262839.5/61

diff_bpm2i02X_rms vs Slug



Right In: 707.021 $\pm$ 0.114 χ^2 /NDF: 1552589.8/34

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

Right Out: 705.129 $\pm$ 0.112 χ^2 /NDF: 1720919.0/38

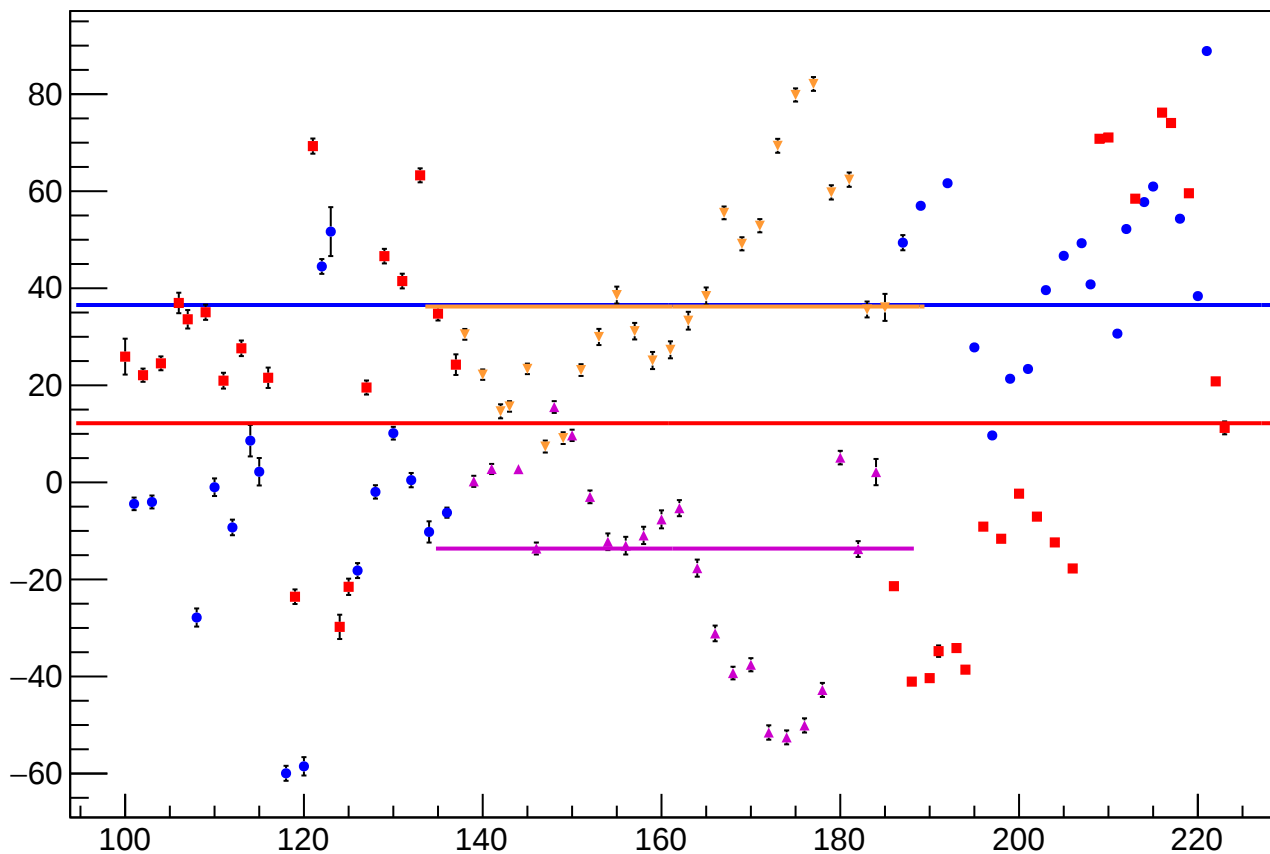
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF:833420.3/22

+ sign 823.835 $\pm$ 0.098 χ^2 /NDF: 6585432.7/59

All: 819.891 $\pm$ 0.069 χ^2 /NDF: 13410777.9/12

- sign 815.975 $\pm$ 0.098 χ^2 /NDF: 6822146.8/61

diff_bpm2i02Y_mean vs Slug



Right In: 36.552 ± 0.159 $\chi^2/\text{NDF}: 30103.1/34$

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

Right Out: 12.191 ± 0.156 $\chi^2/\text{NDF}: 69331.1/38$

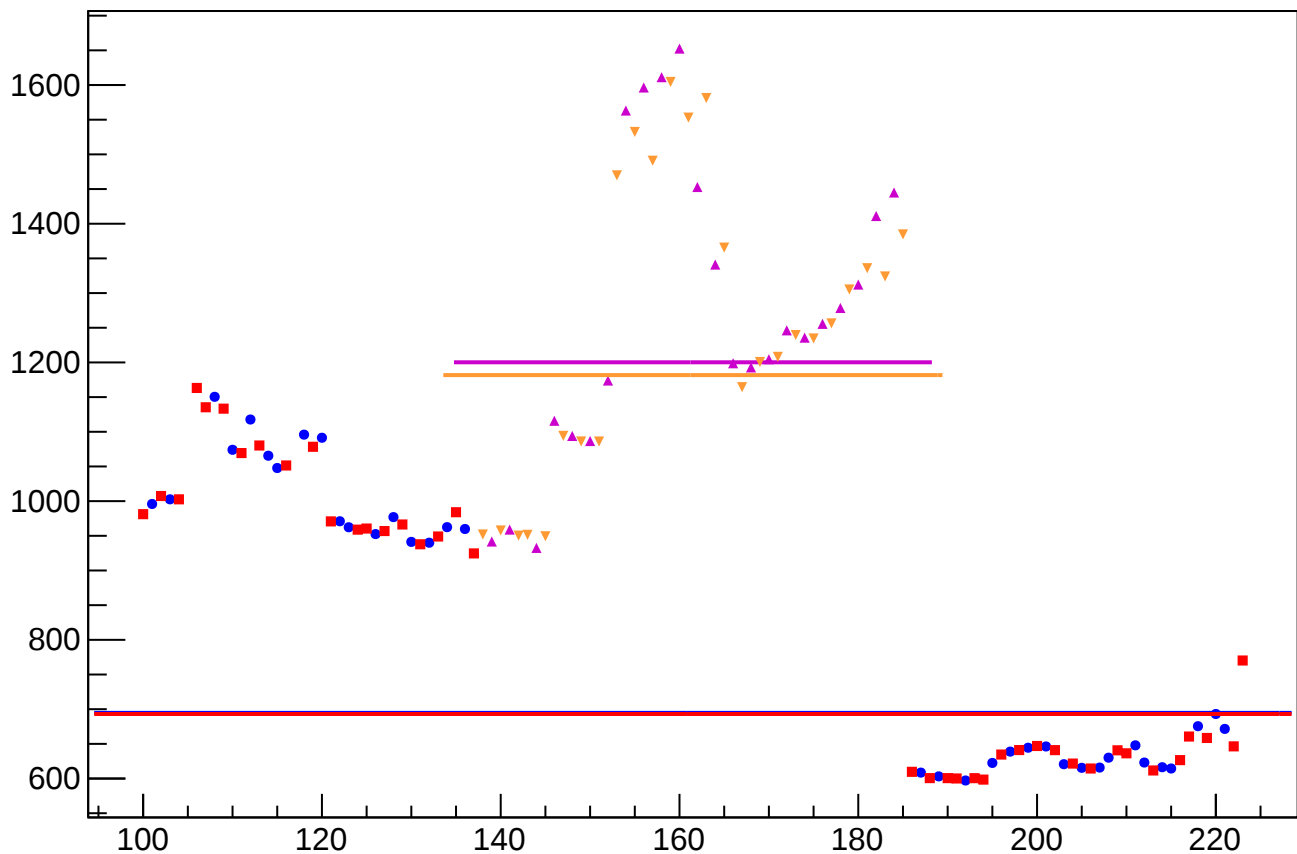
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 36.474 ± 0.138 $\chi^2/\text{NDF}: 35898.3/59$

All: 21.416 ± 0.097 $\chi^2/\text{NDF}: 140152.8/121$

- sign 6.502 ± 0.137 $\chi^2/\text{NDF}: 80577.8/61$

diff_bpm2i02Y_rms vs Slug



Right In: 694.698 $\pm$ 0.112 χ^2 /NDF: 1631248.1/34

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

Right Out: 693.100 $\pm$ 0.110 χ^2 /NDF: 1816787.0/38

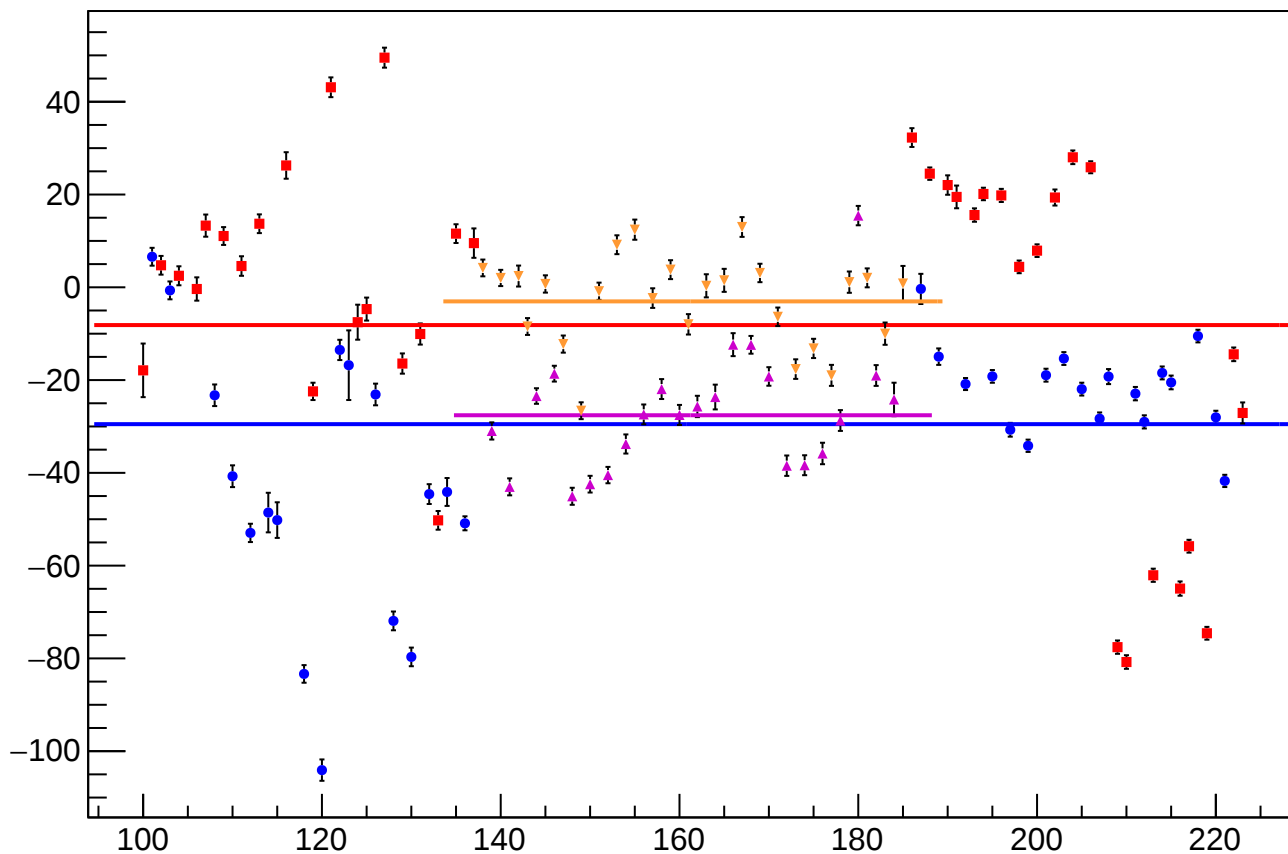
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF:938224.7/22

+ sign 813.223 $\pm$ 0.098 χ^2 /NDF: 7257385.1/59

All: 808.984 $\pm$ 0.069 χ^2 /NDF: 14694059.3/12

- sign 804.785 $\pm$ 0.097 χ^2 /NDF: 7432921.6/61

diff_bpm0i02X_mean vs Slug



Right In: -29.502 ± 0.288 χ^2/NDF : 4944.8/34

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

Right Out: -8.143 ± 0.284 χ^2/NDF : 17870.0/38

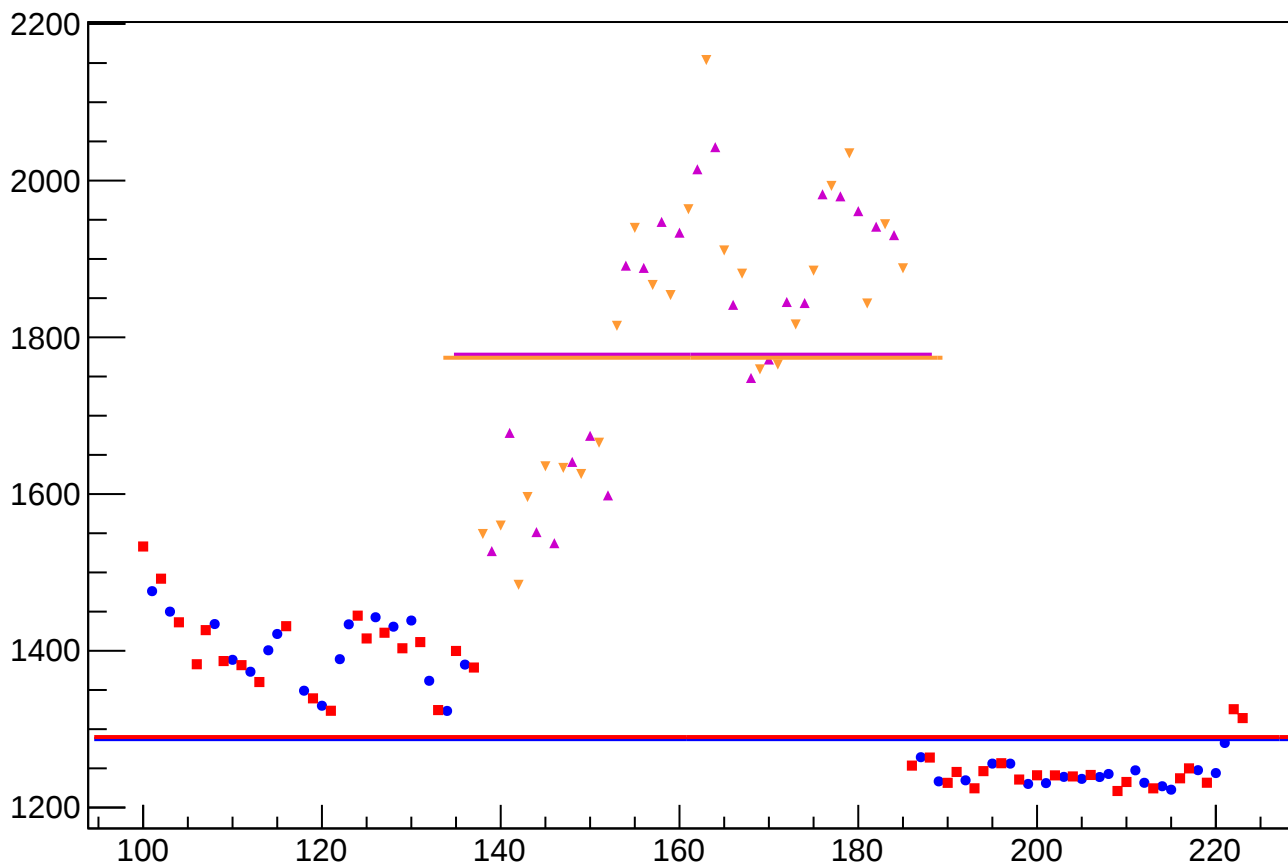
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -20.883 ± 0.237 χ^2/NDF : 8241.5/59

All: -17.467 ± 0.167 χ^2/NDF : 28915.3/121

- sign -14.058 ± 0.237 χ^2/NDF : 20258.4/61

diff_bpm0i02X_rms vs Slug



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

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

Right Out: 1289.941 $\pm$ 0.201 χ^2 /NDF: 140695.1/38

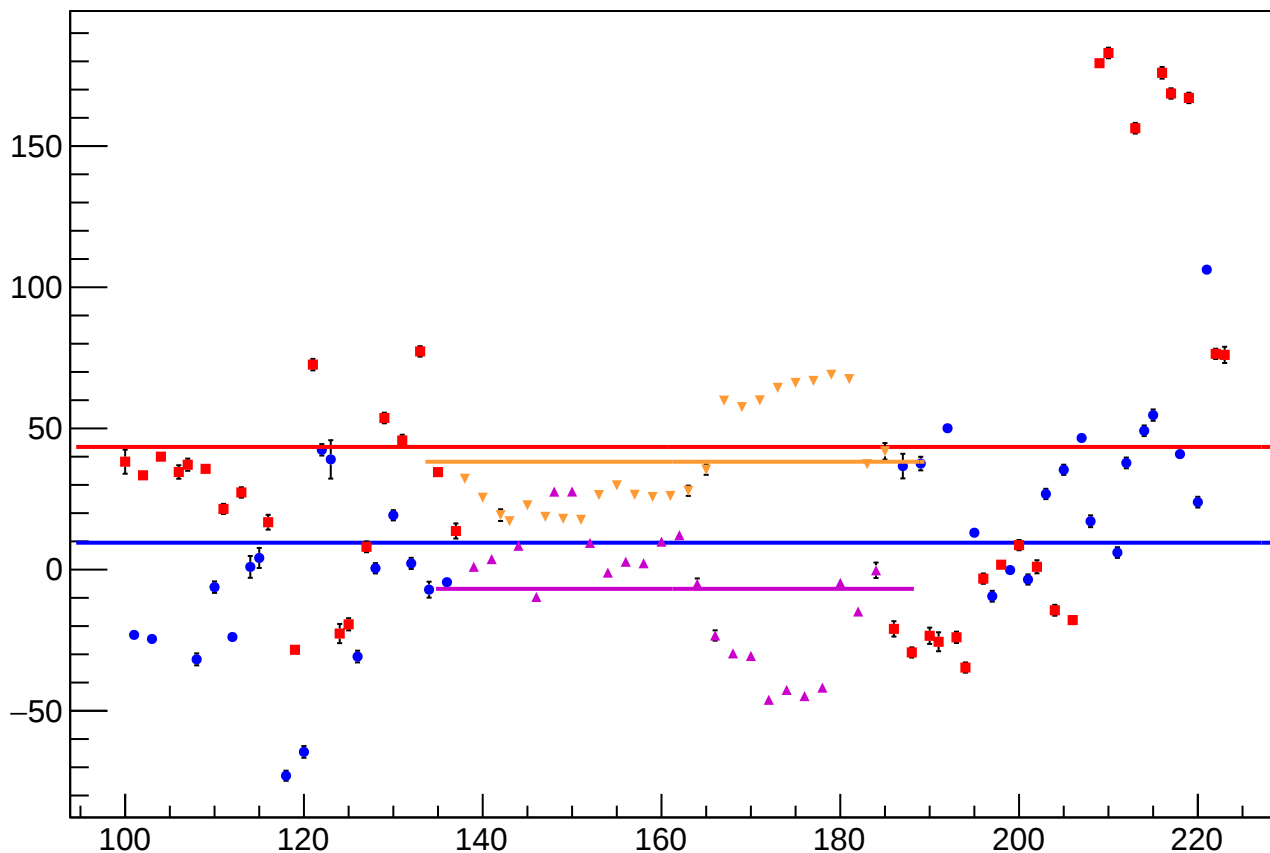
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

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

All: 1442.095 $\pm$ 0.118 χ^2 /NDF: 4548788.4/12

- sign 1438.419 $\pm$ 0.167 χ^2 /NDF: 2240029.2/61

diff_bpm0i02Y_mean vs Slug



Right In: 9.531 ± 0.326 χ^2/NDF : 12493.9/34

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

Right Out: 43.447 ± 0.318 χ^2/NDF : 43704.3/38

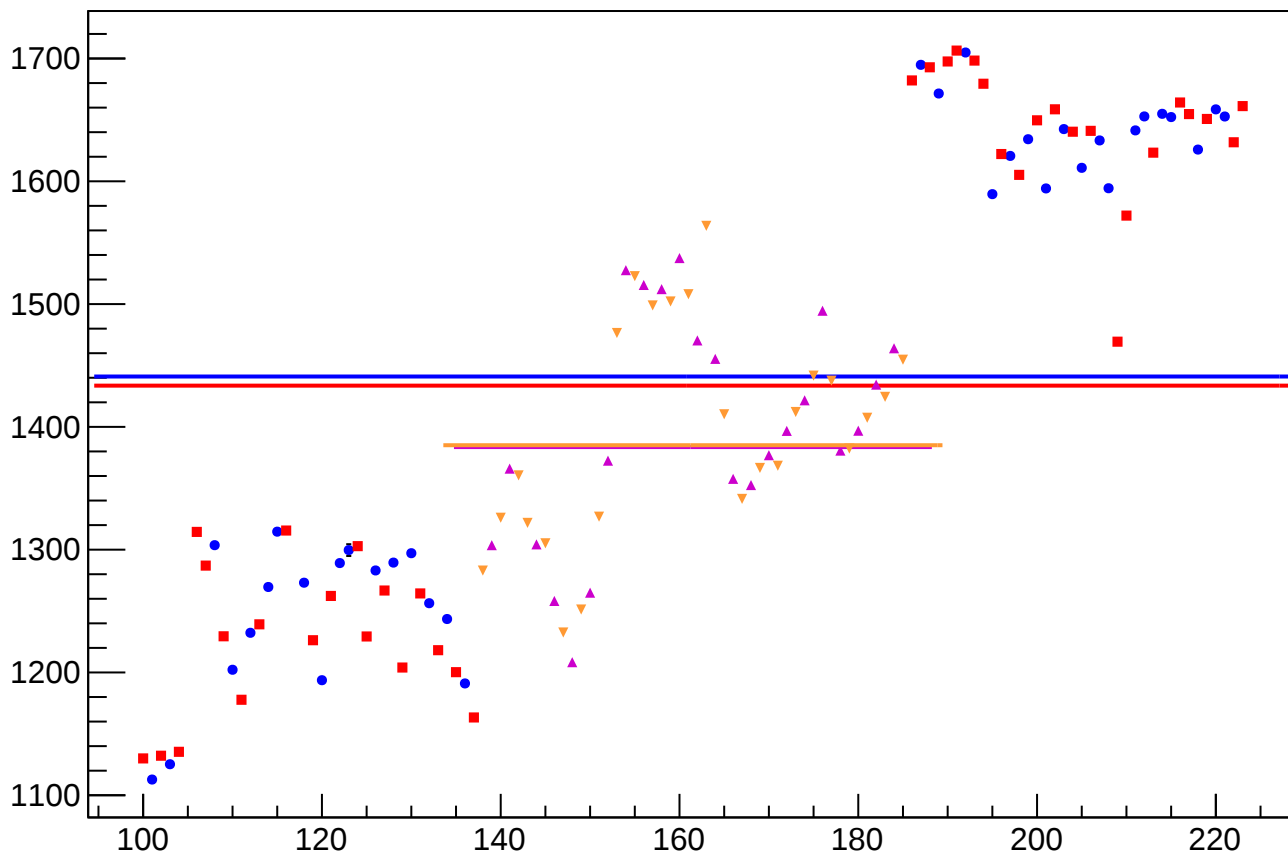
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 23.982 ± 0.230 χ^2/NDF : 19908.7/59

All: 21.720 ± 0.163 χ^2/NDF : 80202.2/121

- sign 19.447 ± 0.230 χ^2/NDF : 60098.9/61

diff_bpm0i02Y_rms vs Slug



Right In: 1441.023 $\pm$ 0.230 χ^2 /NDF: 848227.3/34

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

Right Out: 1433.587 $\pm$ 0.225 χ^2 /NDF: 922179.9/38

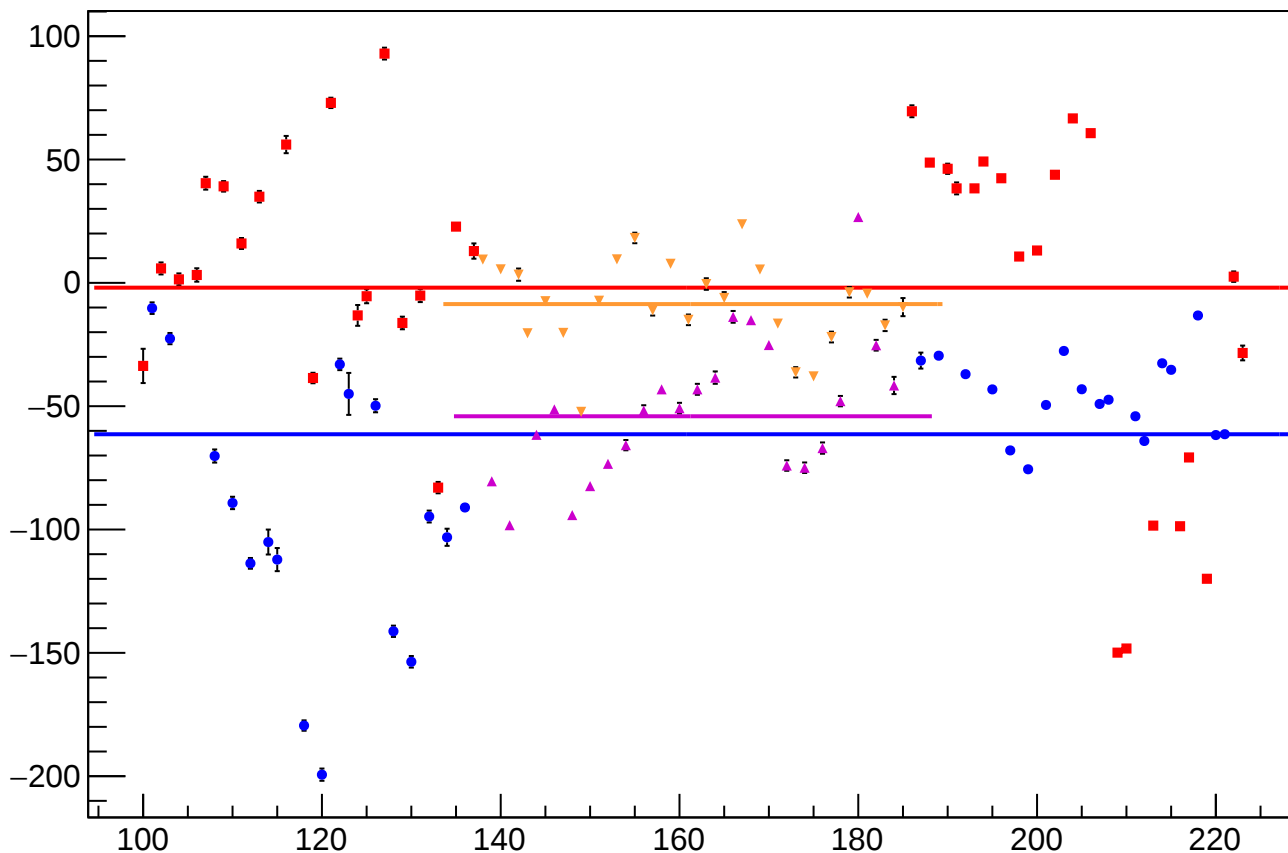
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF:154696.0/22

+ sign 1412.822 $\pm$ 0.162 χ^2 /NDF: 1023938.0/59

All: 1411.262 $\pm$ 0.115 χ^2 /NDF: 2124585.6/12

- sign 1409.695 $\pm$ 0.163 χ^2 /NDF: 1100462.5/61

diff_bpm0i02aX_mean vs Slug



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

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

Right Out: -1.947 ± 0.320 χ^2/NDF : 44225.3/38

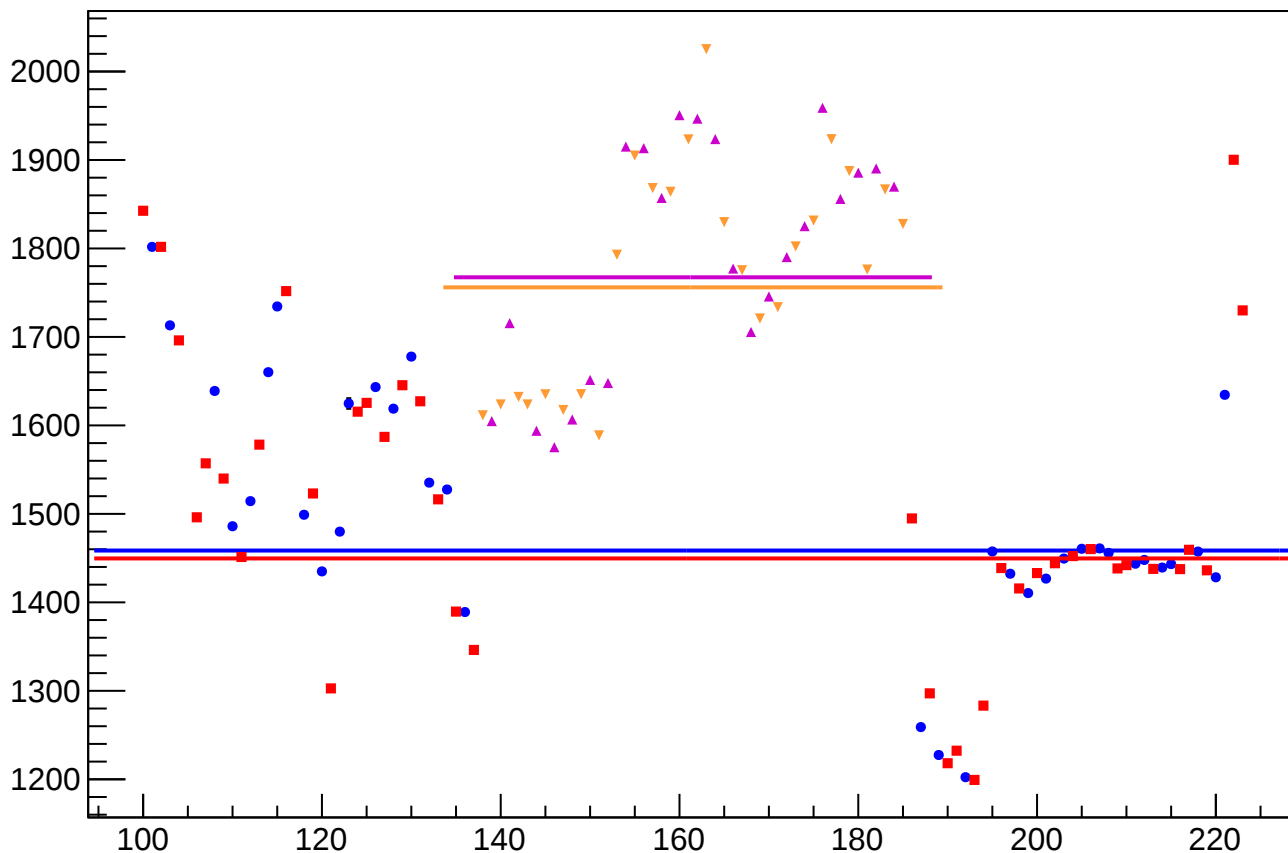
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

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

All: -30.796 ± 0.181 χ^2/NDF : 88389.3/121

- sign -20.778 ± 0.256 χ^2/NDF : 58534.0/61

diff_bpm0i02aX_rms vs Slug



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

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

Right Out: 1449.629 $\pm$ 0.226 χ^2 /NDF: 420336.6/38

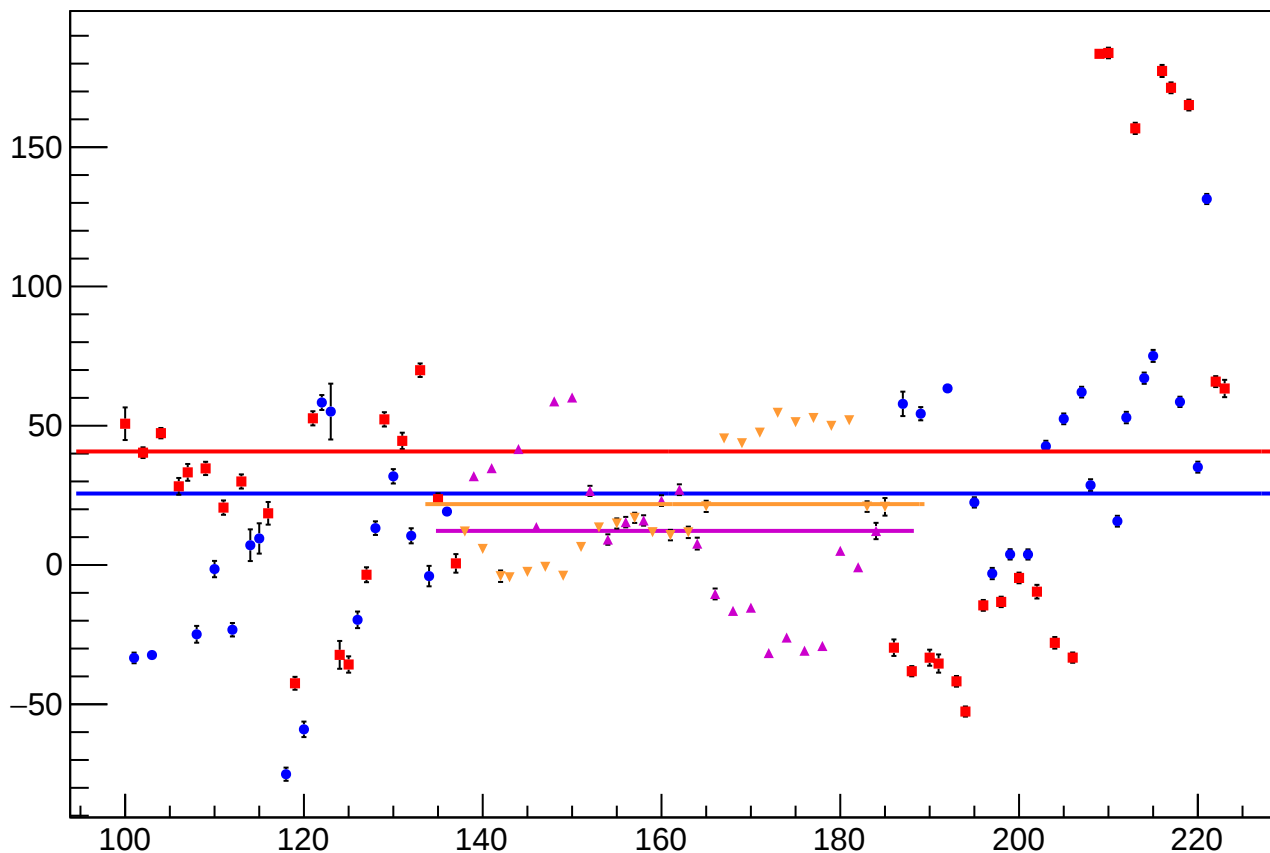
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF: 187958.2/22

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

All: 1569.386 $\pm$ 0.128 χ^2 /NDF: 2424845.9/12

- sign 1564.392 $\pm$ 0.181 χ^2 /NDF: 1320512.7/61

diff_bpm0i02aY_mean vs Slug



Right In: 25.658 $\pm$ 0.377 χ^2 /NDF: 12706.0/34

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

Right Out: 40.758 $\pm$ 0.366 χ^2 /NDF: 45655.0/38

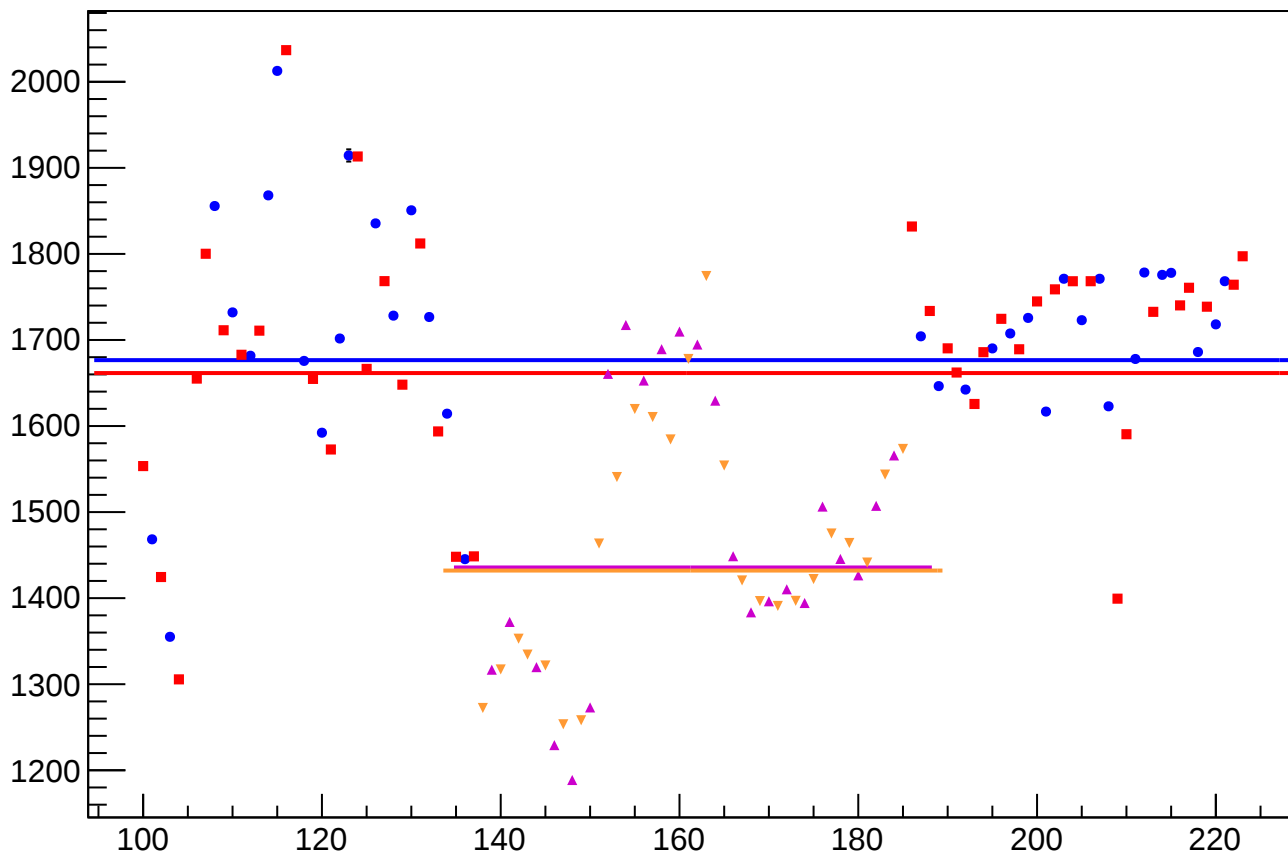
Left In: 12.246 $\pm$ 0.347 χ^2 /NDF: 6781.6/22

+ sign 23.537 $\pm$ 0.250 χ^2 /NDF: 16873.4/59

All: 24.627 $\pm$ 0.178 χ^2 /NDF: 72540.1/121

- sign 25.730 $\pm$ 0.252 χ^2 /NDF: 55628.6/61

diff_bpm0i02aY_rms vs Slug



Right In: 1676.575+/-0.266 χ^2/NDF : 205355.0/34

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

Right Out: 1661.555+/-0.259 χ^2/NDF : 282362.3/38

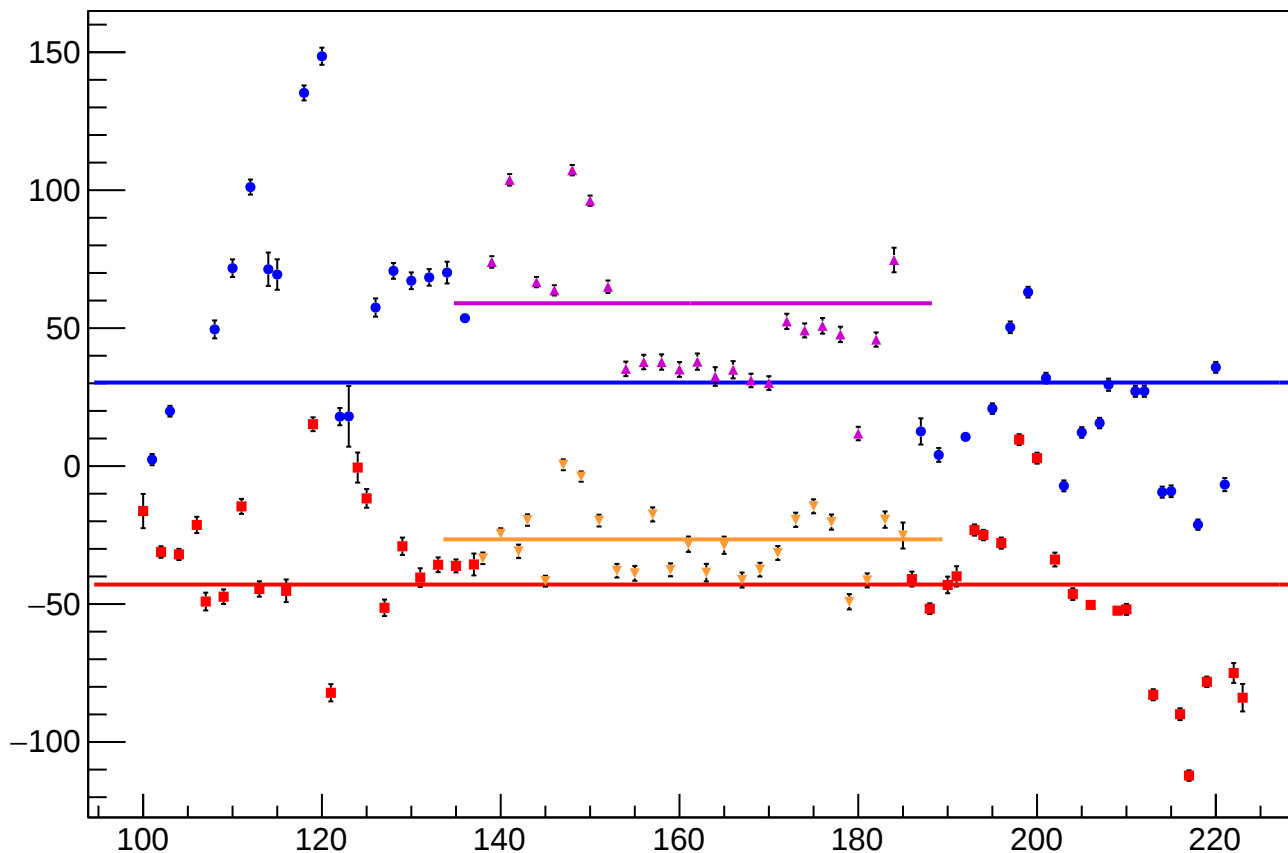
Left In: 1435.645+/-0.245 χ^2/NDF : 420835.0/22

+ sign 1540.204+/-0.177 χ^2/NDF : 973070.7/59

All: 1541.338+/-0.126 χ^2/NDF : 2077131.1/12

- sign 1542.485+/-0.178 χ^2/NDF : 1103977.9/61

diff_bpm0i05X_mean vs Slug



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

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

Right Out: -42.927 ± 0.392 χ^2/NDF : 5435.8/38

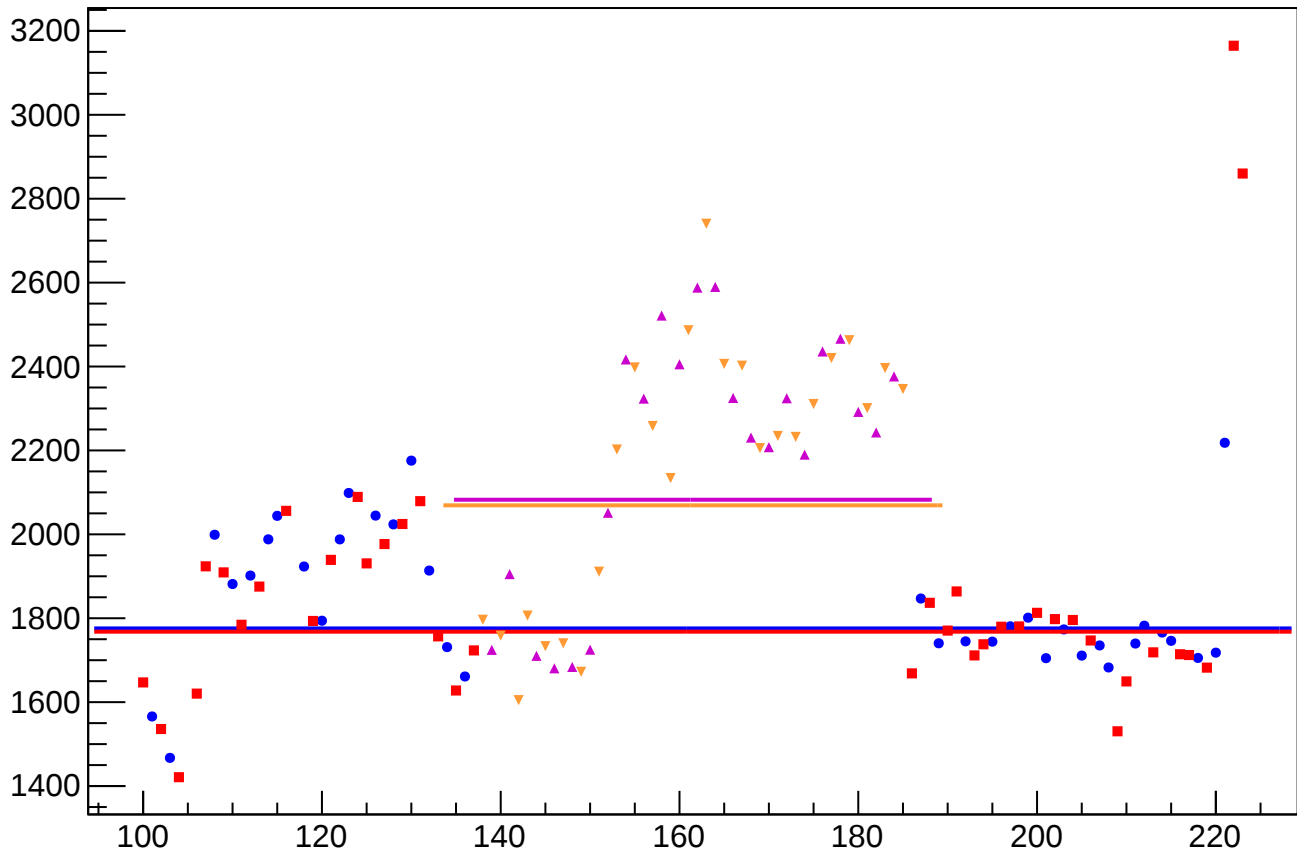
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

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

All: 1.359 ± 0.219 χ^2/NDF : 51066.4/121

- sign -4.762 ± 0.310 χ^2/NDF : 33569.6/61

diff_bpm0i05X_rms vs Slug



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

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

Right Out: 1767.984 $\pm$ 0.277 χ^2 /NDF: 638521.4/38

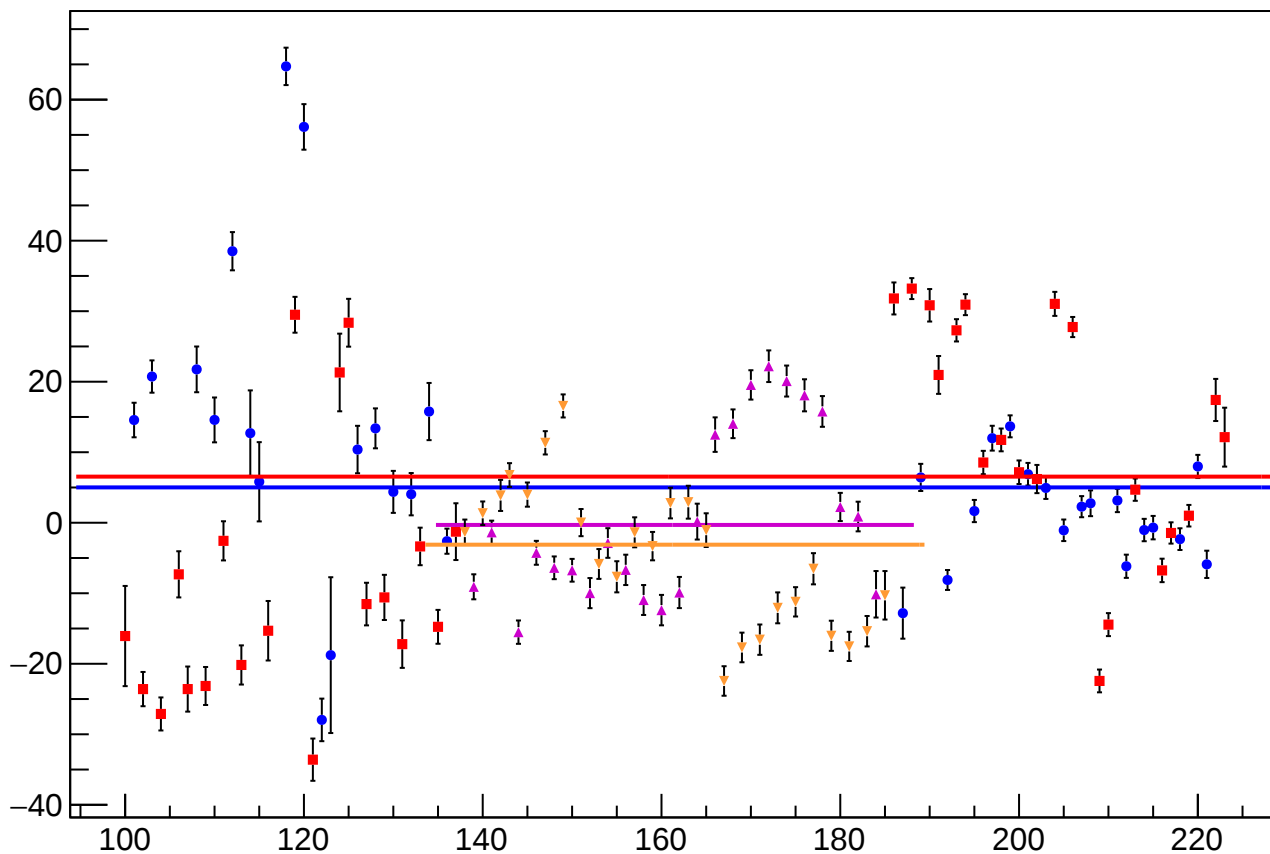
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

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

All: 1889.664 $\pm$ 0.155 χ^2 /NDF: 3411760.0/12

- sign 1885.733 $\pm$ 0.219 χ^2 /NDF: 1906427.6/61

diff_bpm0i05Y_mean vs Slug



Right In: 5.011 ± 0.344 χ^2/NDF : 1486.3/34

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

Right Out: 6.539 ± 0.340 χ^2/NDF : 3325.2/38

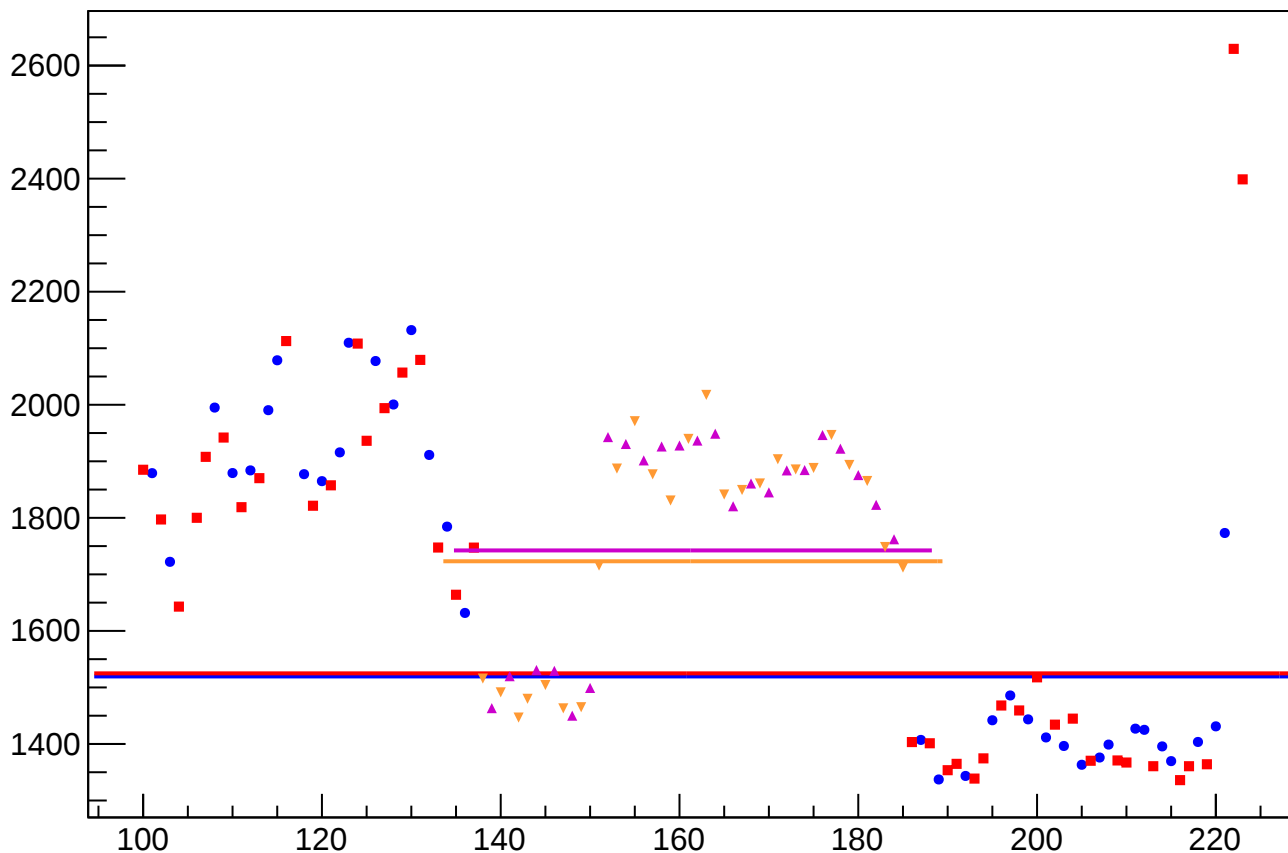
Left In: -0.312 ± 0.421 χ^2/NDF : 736.5/22

+ sign 1.595 ± 0.262 χ^2/NDF : 2364.0/59

All: 2.705 ± 0.186 χ^2/NDF : 6622.1/121

- sign 3.835 ± 0.265 χ^2/NDF : 4221.9/61

diff_bpm0i05Y_rms vs Slug



Right In: 1519.469+/-0.244 χ^2/NDF : 766326.4/34

Left Out: 1723.168+/-0.286 χ^2/NDF : 477441.1/24

Right Out: 1524.905+/-0.240 χ^2/NDF : 1121338.6/38

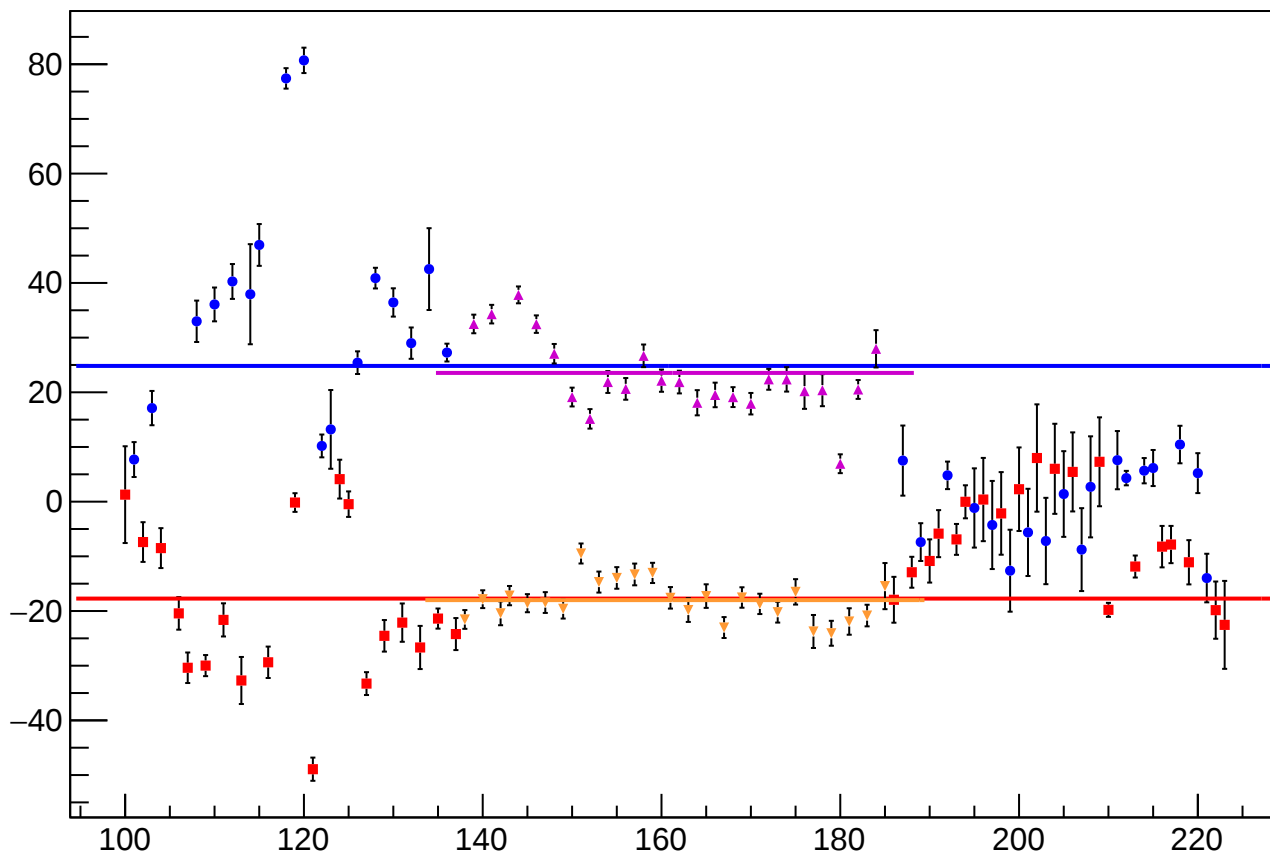
Left In: 1742.354+/-0.298 χ^2/NDF : 435841.5/22

+ sign 1605.139+/-0.185 χ^2/NDF : 1538028.2/59

All: 1607.904+/-0.132 χ^2/NDF : 3418526.8/12

- sign 1610.720+/-0.187 χ^2/NDF : 1880049.5/61

diff_bpm0i07X_mean vs Slug



Right In: 24.825 ± 0.504 χ^2/NDF : 2383.7/34

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

Right Out: -17.726 ± 0.473 χ^2/NDF : 745.3/38

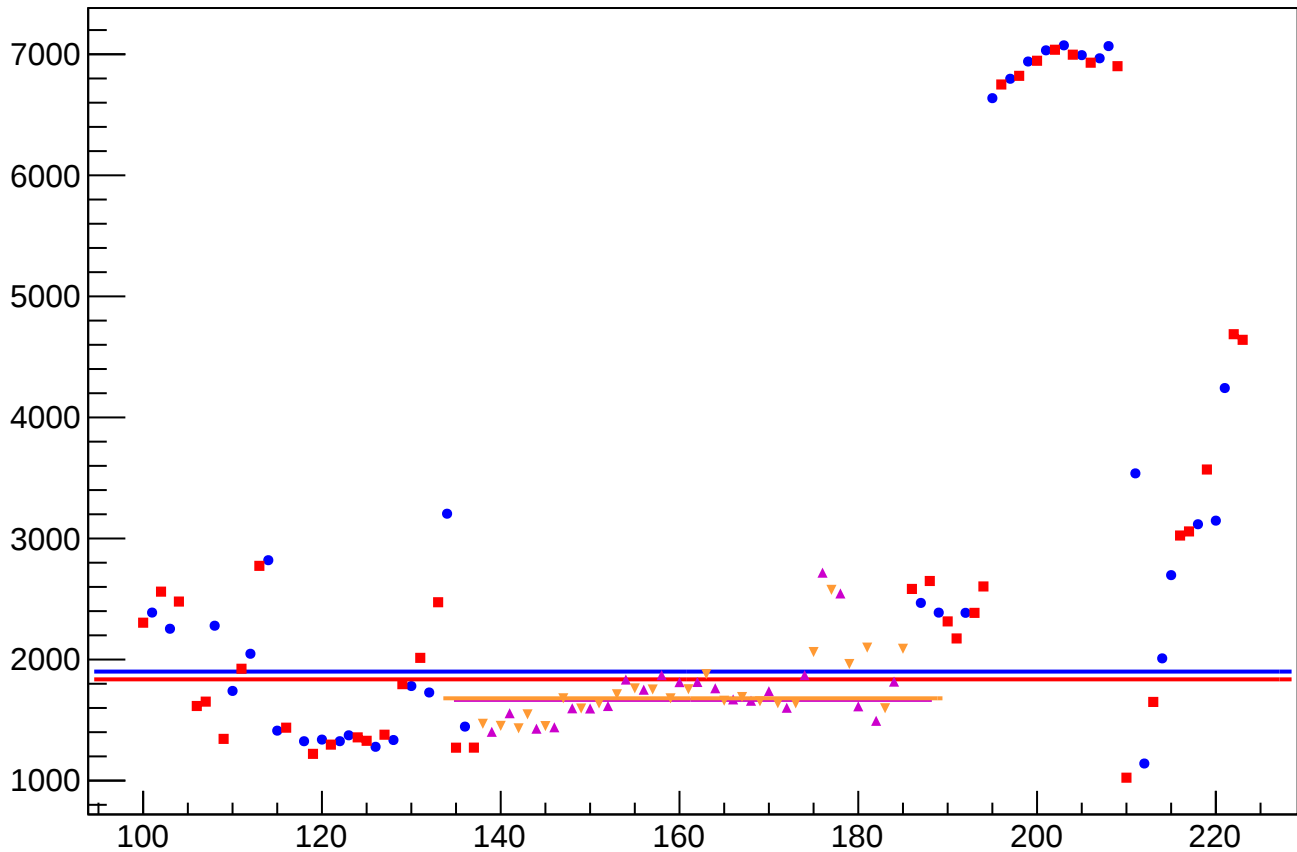
Left In: 23.544 ± 0.406 χ^2/NDF : 346.7/22

+ sign -1.609 ± 0.312 χ^2/NDF : 6921.0/59

All: 2.273 ± 0.219 χ^2/NDF : 12703.8/121

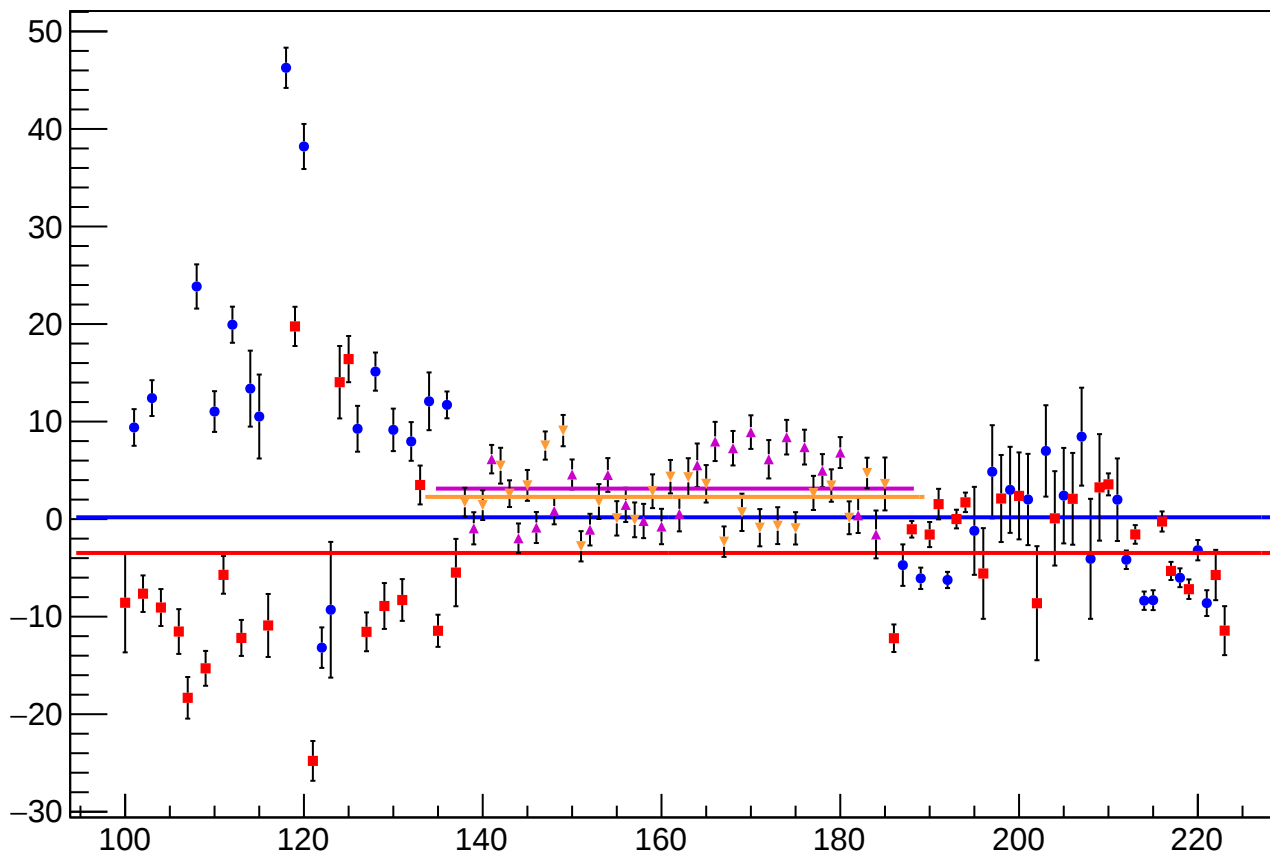
- sign 6.064 ± 0.308 χ^2/NDF : 5476.2/61

diff_bpm0i07X_rms vs Slug



Right In: 1900.611 ± 0.356 $\chi^2/\text{NDF}: 9897127.5/34$ + sign 1764.349 ± 0.220 $\chi^2/\text{NDF}: 10657143.6/59$
 Left Out: 1679.814 ± 0.281 $\chi^2/\text{NDF}: 522795.6/24$ All: 1751.341 ± 0.155 $\chi^2/\text{NDF}: 21501857.9/1$
 Right Out: 1836.373 ± 0.335 $\chi^2/\text{NDF}: 10038840.6/38$ - sign 1738.635 ± 0.218 $\chi^2/\text{NDF}: 10837826.2/61$
 Left In: 1666.819 ± 0.287 $\chi^2/\text{NDF}: 650990.8/22$

diff_bpm0i07Y_mean vs Slug



Right In: 0.186 ± 0.285 χ^2/NDF : 1714.6/34

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

Right Out: -3.468 ± 0.261 χ^2/NDF : 734.3/38

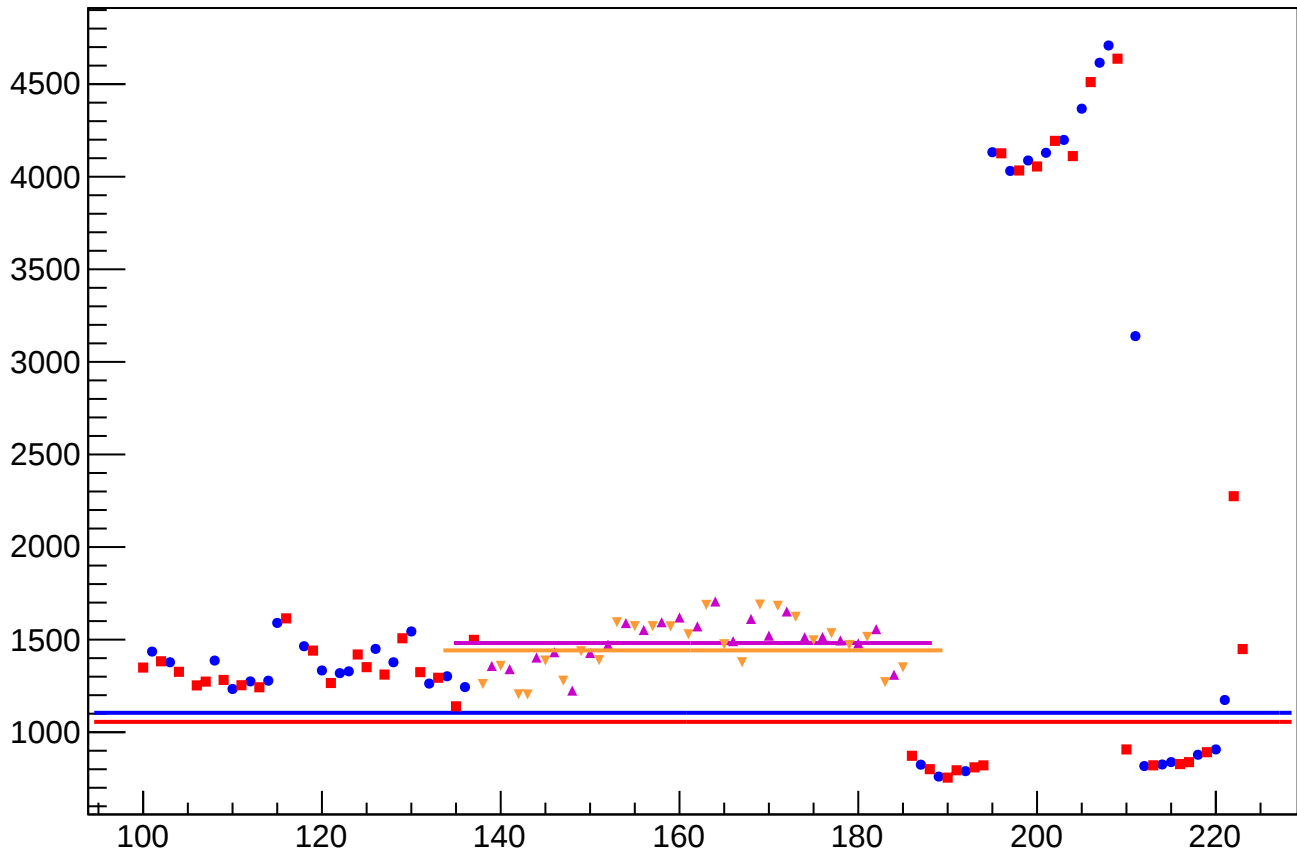
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 1.055 ± 0.218 χ^2/NDF : 1812.6/59

All: -0.095 ± 0.152 χ^2/NDF : 2926.1/121

- sign -1.173 ± 0.211 χ^2/NDF : 1059.5/61

diff_bpm0i07Y_rms vs Slug



Right In: 1104.835 $\pm$ 0.201 χ^2 /NDF: 8994507.7/34

Left Out: 1441.951 $\pm$ 0.239 χ^2 /NDF: 370617.4/24

Right Out: 1055.920 $\pm$ 0.185 χ^2 /NDF: 8143268.7/38

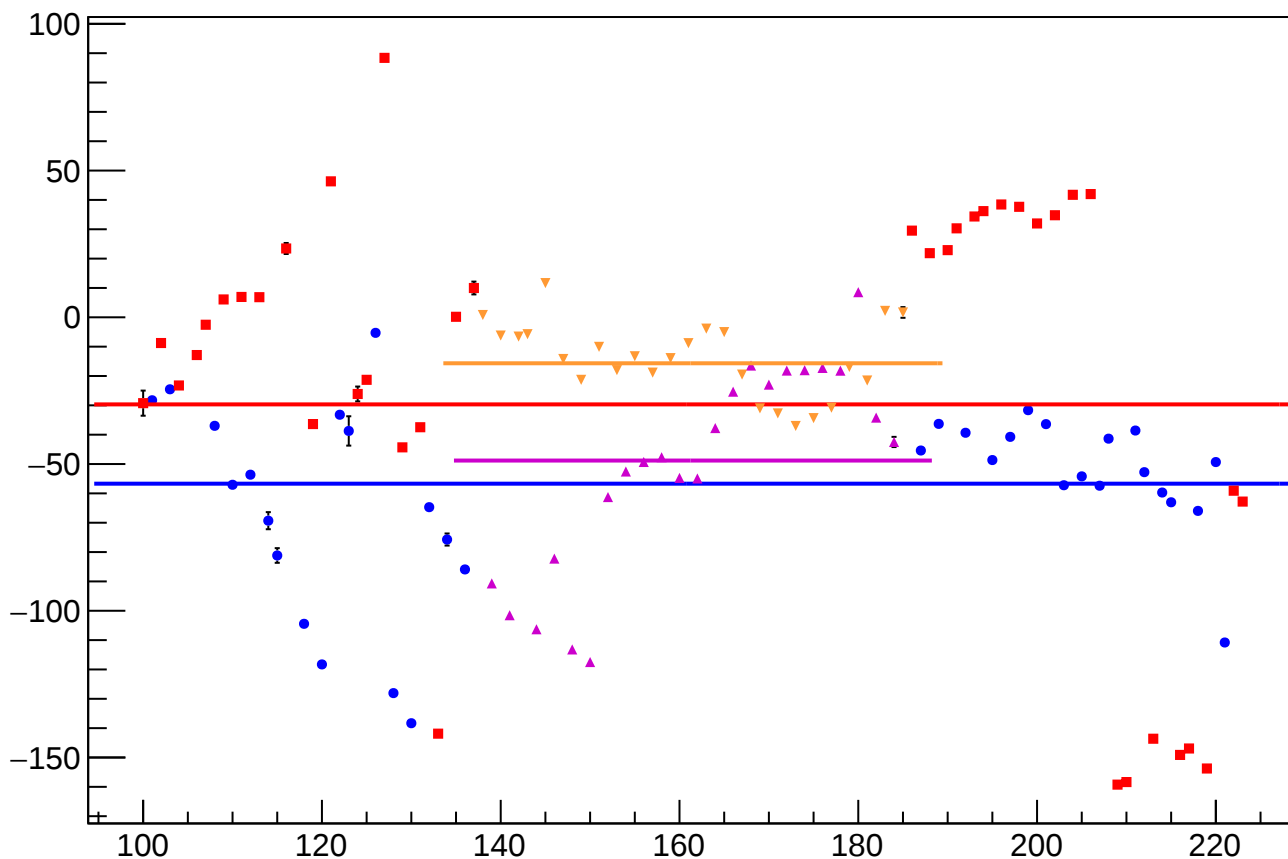
Left In: 1481.695 $\pm$ 0.253 χ^2 /NDF: 208470.6/22

+ sign 1244.747 $\pm$ 0.154 χ^2 /NDF: 10527283.0/59

All: 1223.751 $\pm$ 0.107 χ^2 /NDF: 20763332.0/100

- sign 1204.072 $\pm$ 0.149 χ^2 /NDF: 10200078.4/61

diff_bpm1i02X_mean vs Slug



Right In: -56.695 ± 0.158 χ^2/NDF : 25048.3/34

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

Right Out: -29.675 ± 0.156 χ^2/NDF : 267585.7/38

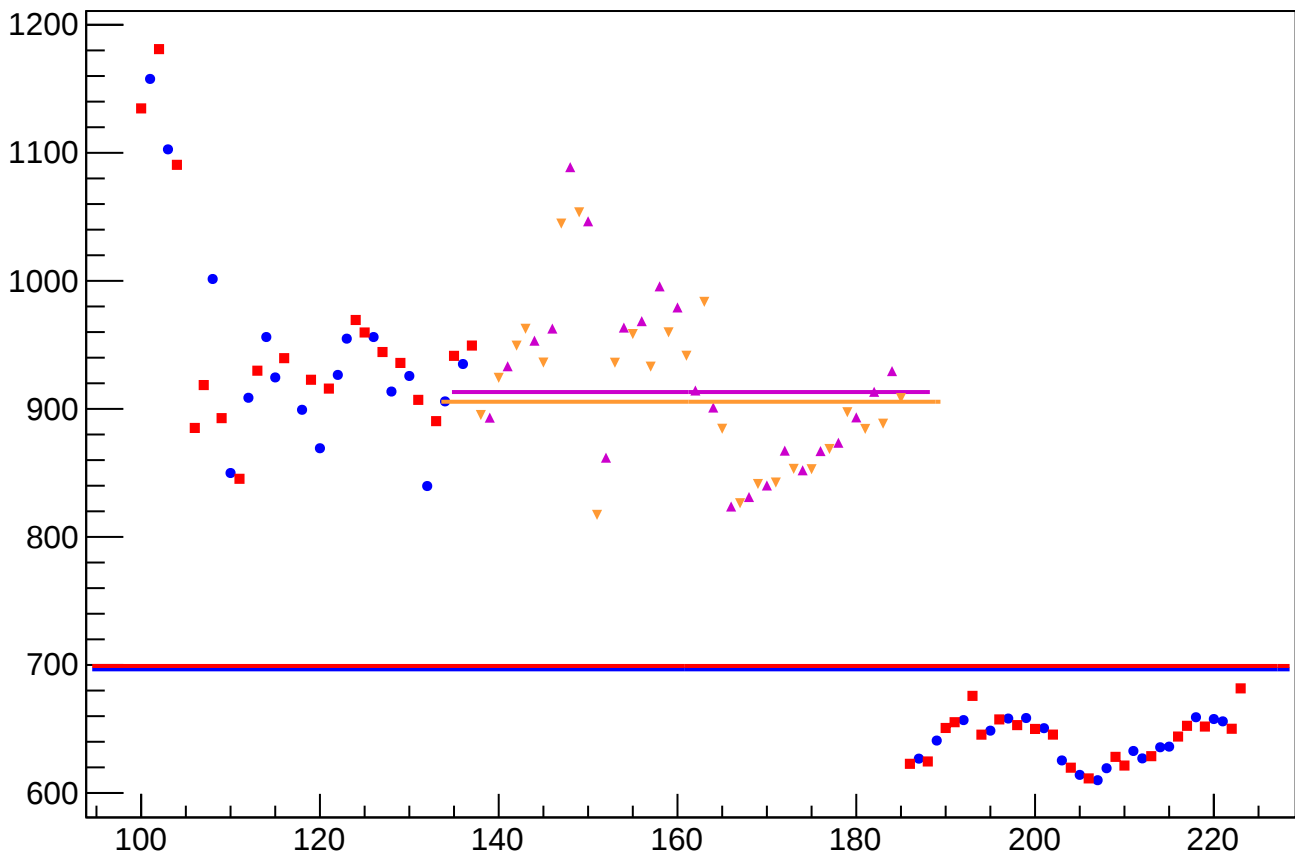
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -41.970 ± 0.127 χ^2/NDF : 52689.3/59

All: -39.034 ± 0.090 χ^2/NDF : 351654.5/121

- sign -36.077 ± 0.127 χ^2/NDF : 297887.8/61

diff_bpm1i02X_rms vs Slug



Right In: 696.567 ± 0.112 χ^2/NDF : 1204483.8/34

Left Out: 905.578 ± 0.150 χ^2/NDF : 162073.5/24

Right Out: 699.209 ± 0.110 χ^2/NDF : 1260349.9/38

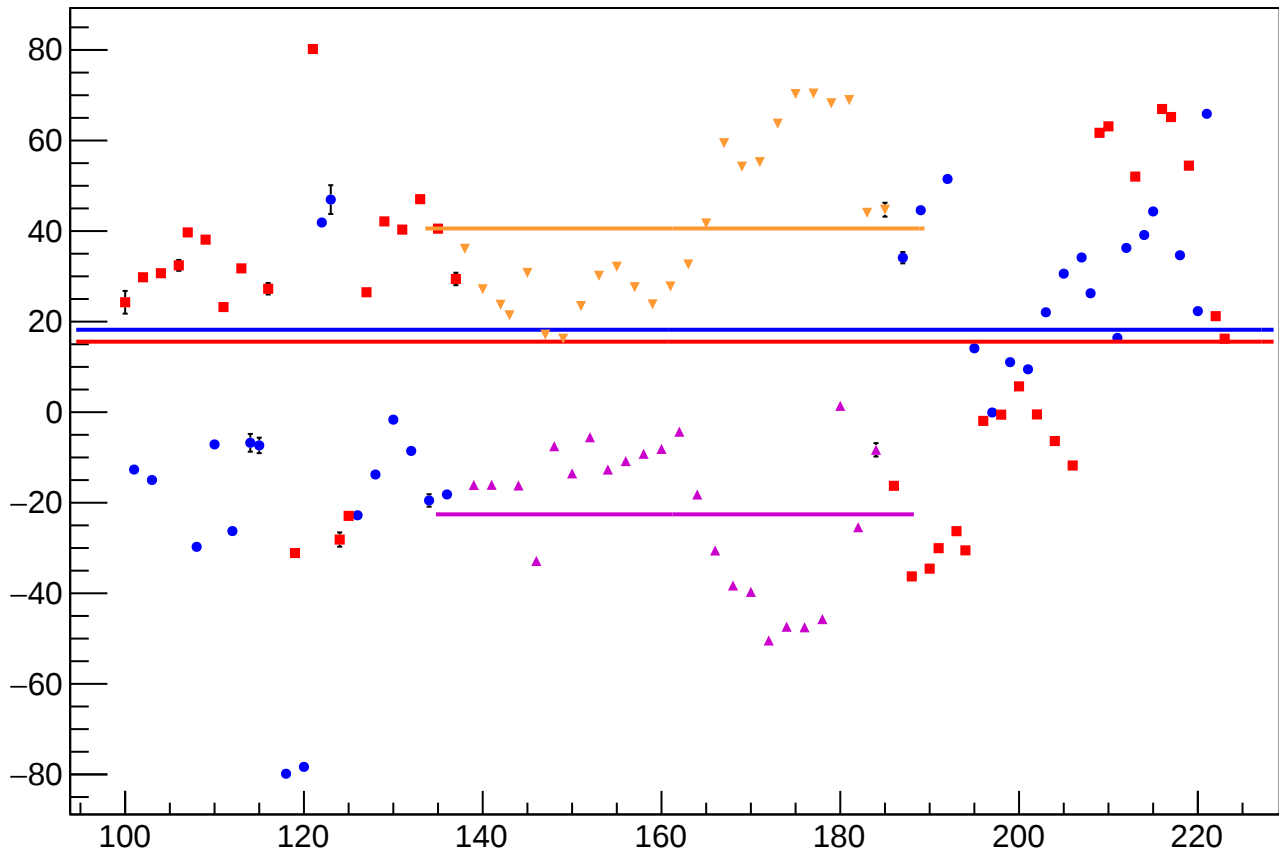
Left In: 913.165 ± 0.155 χ^2/NDF : 174438.8/22

+ sign 771.579 ± 0.090 χ^2/NDF : 2618613.3/59

All: 771.183 ± 0.063 χ^2/NDF : 5313686.8/123

- sign 770.785 ± 0.090 χ^2/NDF : 2695034.5/61

diff_bpm1i02Y_mean vs Slug



Right In: 18.204 $\pm$ 0.119 χ^2 /NDF: 58351.0/34

Left Out: 40.573 $\pm$ 0.168 χ^2 /NDF: 12079.0/24

Right Out: 15.573 $\pm$ 0.116 χ^2 /NDF: 90059.1/38

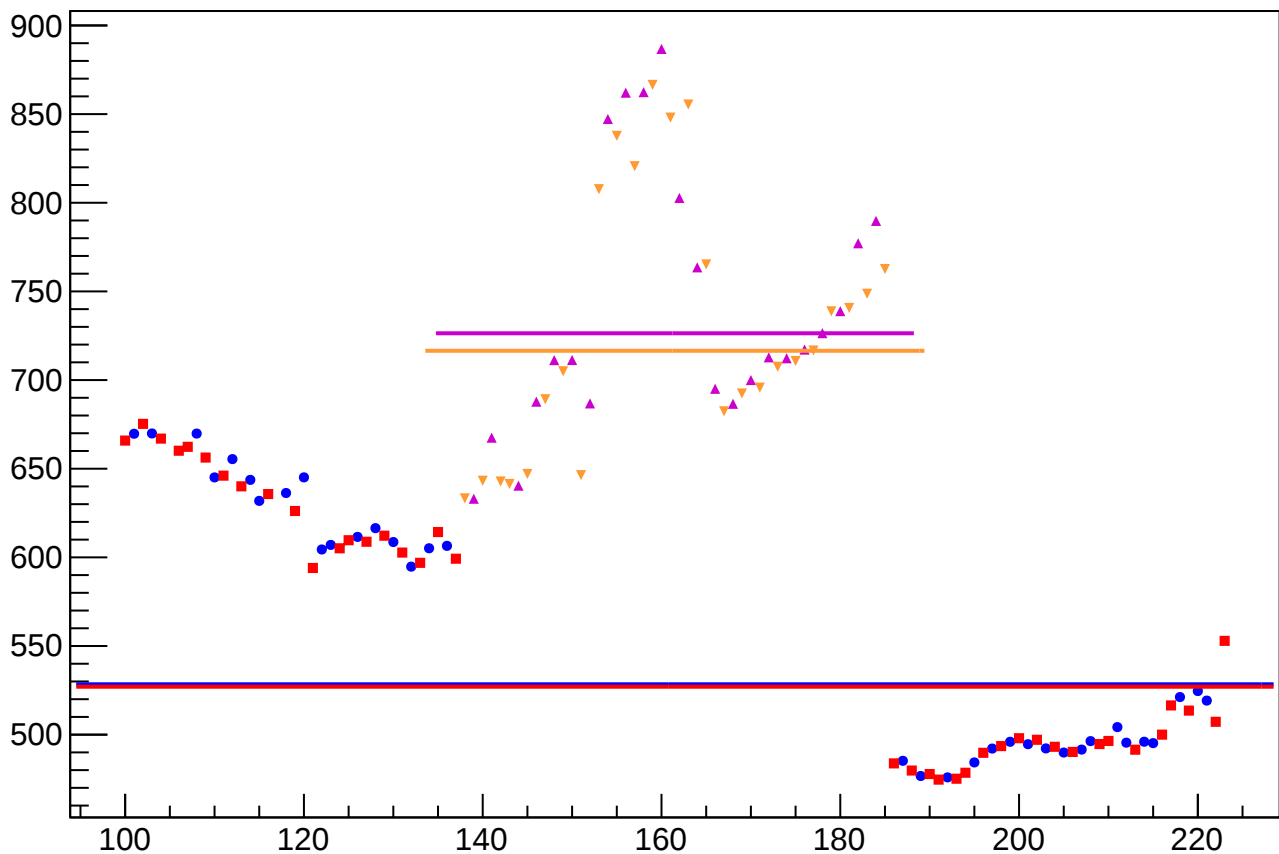
Left In: -22.565 $\pm$ 0.175 χ^2 /NDF: 8167.7/22

+ sign 25.683 $\pm$ 0.097 χ^2 /NDF: 82253.6/59

All: 14.782 $\pm$ 0.069 χ^2 /NDF: 238541.7/121

- sign 3.893 $\pm$ 0.097 χ^2 /NDF: 131070.1/61

diff_bpm1i02Y_rms vs Slug



Right In: 528.408 ± 0.084 χ^2/NDF : 500308.8/34

Left Out: 716.515 ± 0.119 χ^2/NDF : 342740.2/24

Right Out: 527.039 ± 0.082 χ^2/NDF : 546057.7/38

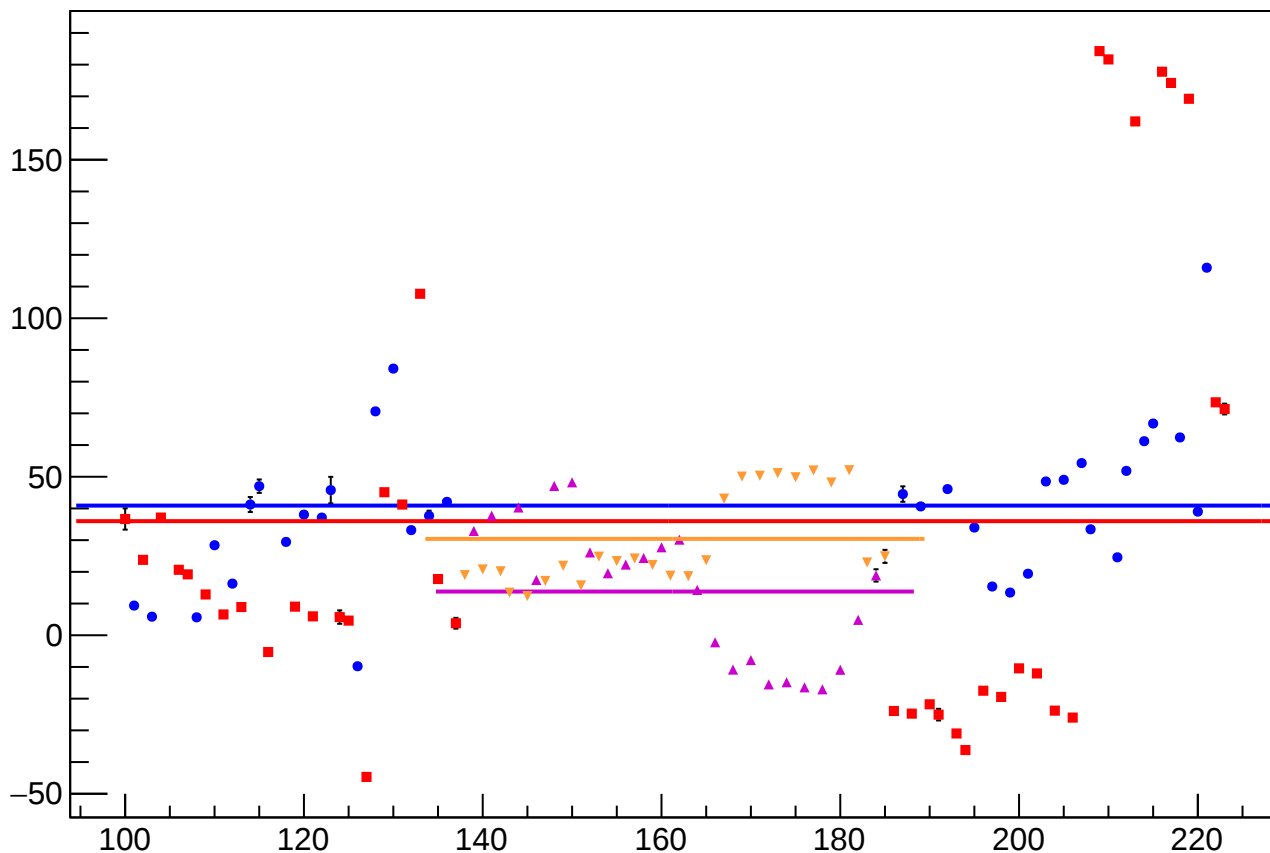
Left In: 726.390 ± 0.124 χ^2/NDF : 289788.8/22

+ sign 591.304 ± 0.069 χ^2/NDF : 2515261.9/59

All: 589.696 ± 0.049 χ^2/NDF : 5146936.6/123

- sign 588.089 ± 0.069 χ^2/NDF : 2630576.8/61

diff_bpm1i04X_mean vs Slug



Right In: 40.904 $\pm$ 0.197 χ^2 /NDF: 16286.6/34

Left Out: 30.408 $\pm$ 0.237 χ^2 /NDF: 3808.0/24

Right Out: 35.998 $\pm$ 0.193 χ^2 /NDF: 142019.9/38

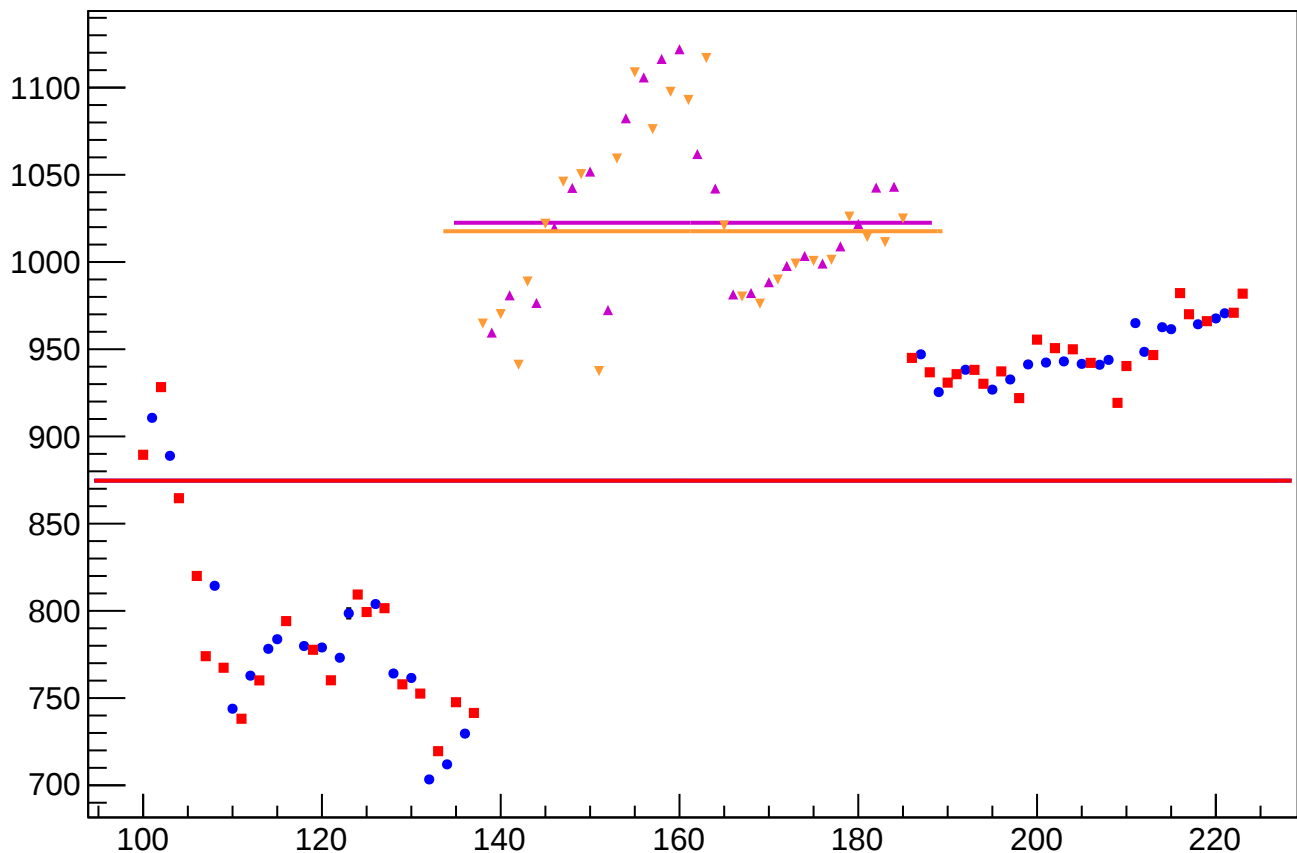
Left In: 13.787 $\pm$ 0.246 χ^2 /NDF: 7979.7/22

+ sign 36.629 $\pm$ 0.152 χ^2 /NDF: 21253.1/59

All: 32.087 $\pm$ 0.107 χ^2 /NDF: 178104.0/121

- sign 27.527 $\pm$ 0.152 χ^2 /NDF: 155050.0/61

diff_bpm1i04X_rms vs Slug



Right In: 874.666 $\pm$ 0.139 χ^2 /NDF: 444247.8/34

Left Out: 1017.653 $\pm$ 0.168 χ^2 /NDF:83612.5/24

Right Out: 874.646 $\pm$ 0.136 χ^2 /NDF: 428468.9/38

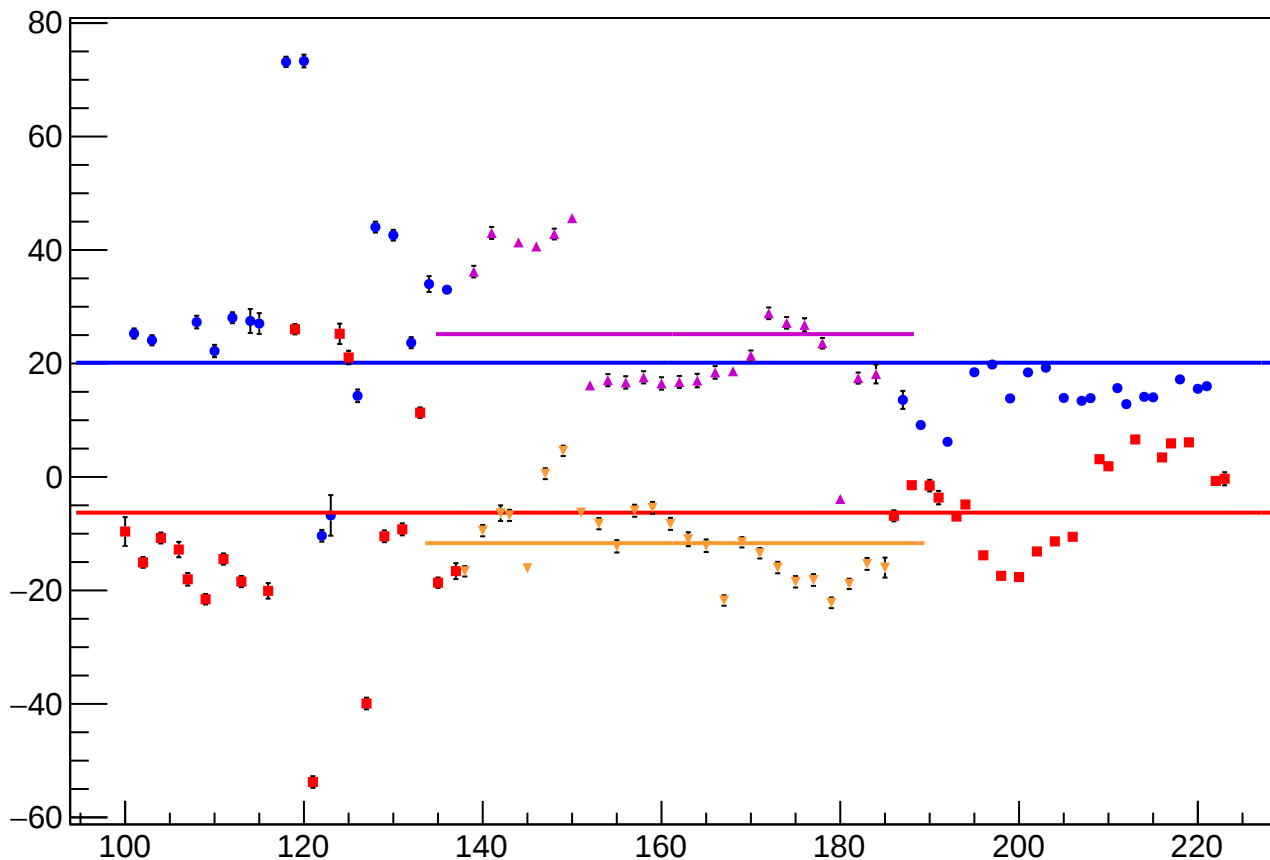
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF:69635.5/22

+ sign 932.902 $\pm$ 0.107 χ^2 /NDF: 957907.2/59

All: 931.971 $\pm$ 0.076 χ^2 /NDF: 1903807.5/123

- sign 931.036 $\pm$ 0.107 χ^2 /NDF: 945748.9/61

diff_bpm1i04Y_mean vs Slug



Right In: 20.137 $\pm$ 0.138 χ^2 /NDF: 9935.0/34

Left Out: -11.664 $\pm$ 0.200 χ^2 /NDF: 1147.4/24

Right Out: -6.289 $\pm$ 0.135 χ^2 /NDF: 9444.5/38

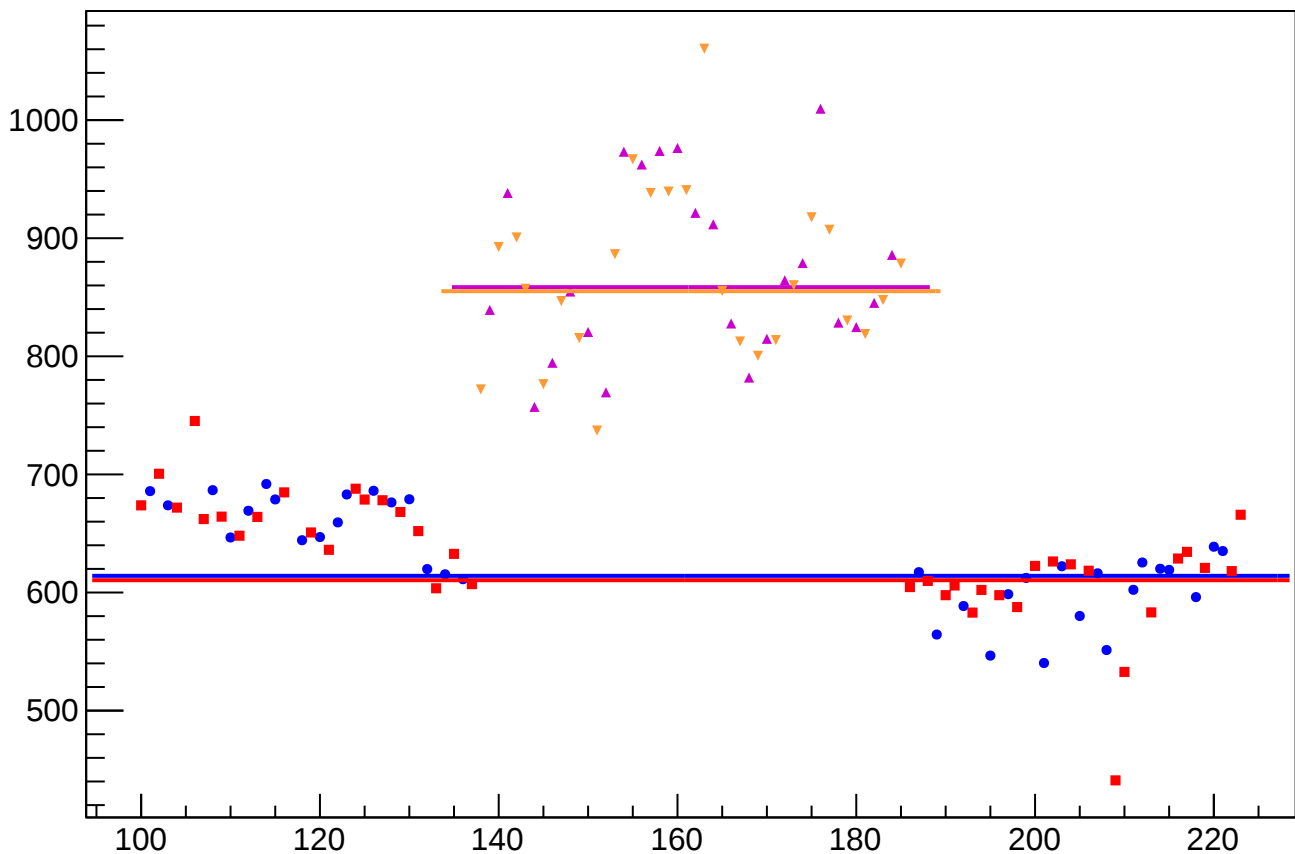
Left In: 25.174 $\pm$ 0.207 χ^2 /NDF: 3747.1/22

+ sign 9.893 $\pm$ 0.114 χ^2 /NDF: 28172.2/59

All: 6.455 $\pm$ 0.080 χ^2 /NDF: 59364.8/121

- sign 3.056 $\pm$ 0.113 χ^2 /NDF: 29373.3/61

diff_bpm1i04Y_rms vs Slug



Right In: 614.127+/-0.098 χ^2/NDF : 171223.7/34

Left Out: 855.131+/-0.142 χ^2/NDF : 233746.7/24

Right Out: 610.420+/-0.095 χ^2/NDF : 371875.6/38

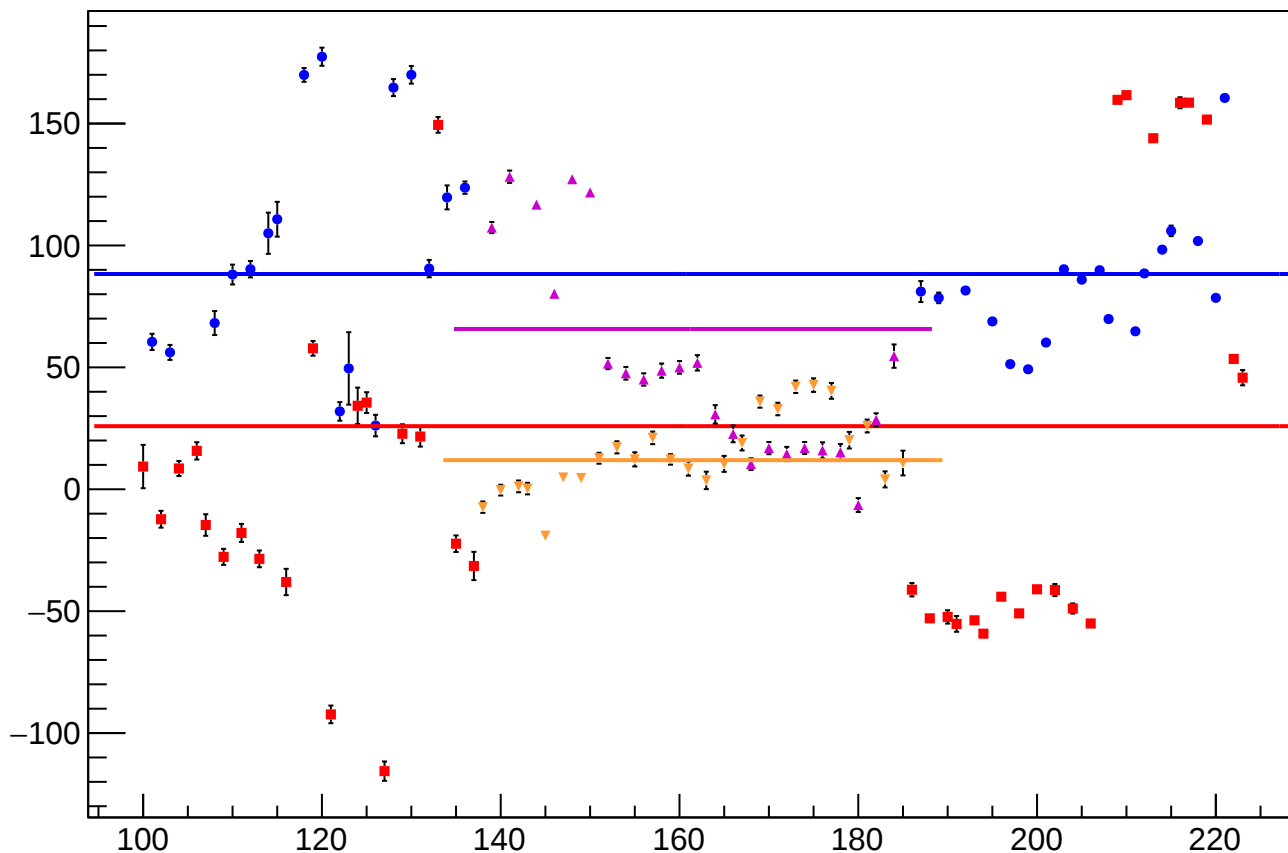
Left In: 858.563+/-0.147 χ^2/NDF : 239019.8/22

+ sign 691.760+/-0.080 χ^2/NDF : 2368054.4/59

All: 687.921+/-0.057 χ^2/NDF : 4996580.8/123

- sign 684.126+/-0.080 χ^2/NDF : 2623989.2/61

diff_bpm1i06X_mean vs Slug



Right In: 88.293 $\pm$ 0.411 χ^2 /NDF: 6438.5/34

Left Out: 11.938 $\pm$ 0.505 χ^2 /NDF: 976.6/24

Right Out: 25.884 $\pm$ 0.398 χ^2 /NDF: 53311.1/38

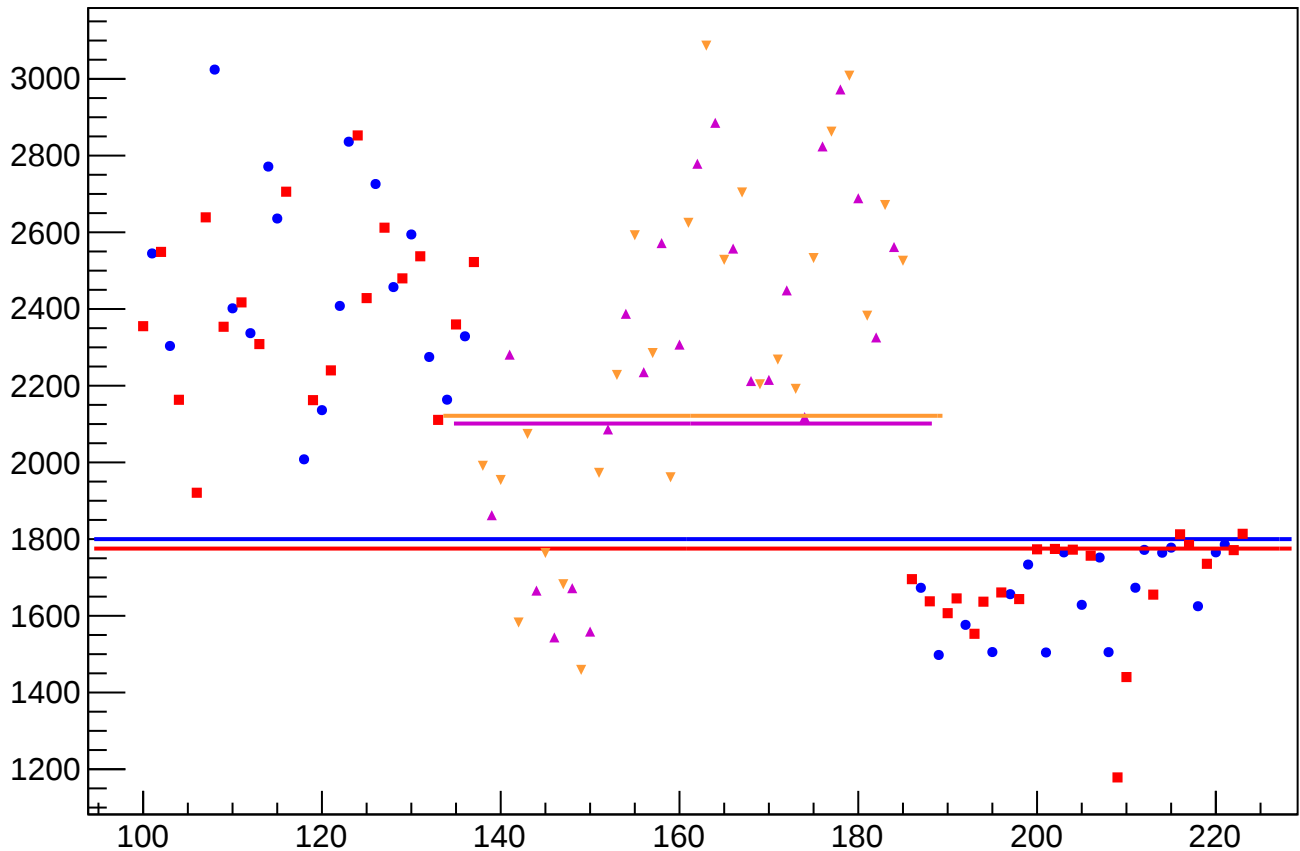
Left In: 65.752 $\pm$ 0.518 χ^2 /NDF: 7335.8/22

+ sign 57.911 $\pm$ 0.319 χ^2 /NDF: 21161.9/59

All: 49.217 $\pm$ 0.224 χ^2 /NDF: 87009.0/121

- sign 40.697 $\pm$ 0.316 χ^2 /NDF: 64374.2/61

diff_bpm1i06X_rms vs Slug



Right In: 1799.968 $\pm$ 0.290 χ^2 /NDF: 1203282.0/34

Left Out: 2121.567 $\pm$ 0.357 χ^2 /NDF:1387847.6/24

Right Out: 1775.299 $\pm$ 0.281 χ^2 /NDF: 1479164.9/38

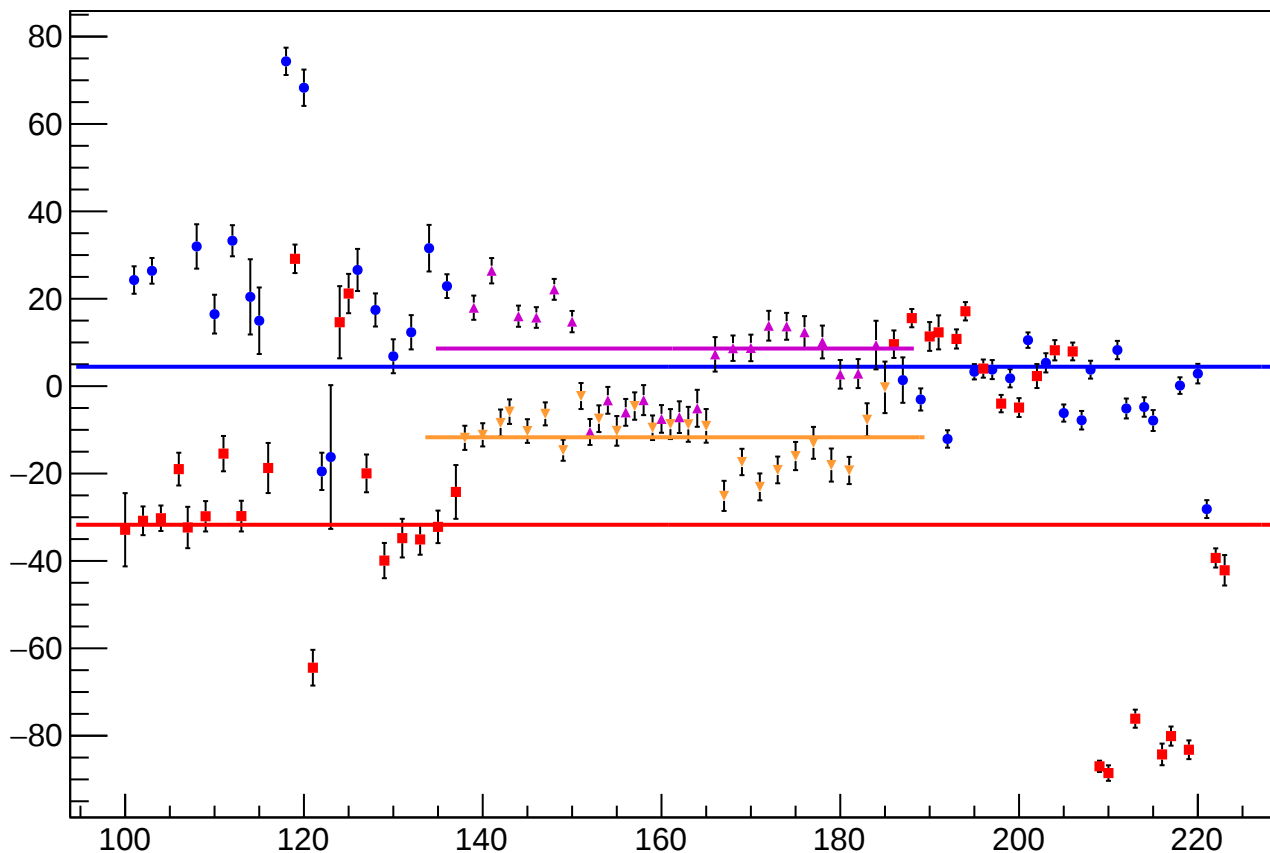
Left In: 2101.325 $\pm$ 0.366 χ^2 /NDF:1360518.3/22

+ sign 1927.935 $\pm$ 0.225 χ^2 /NDF: 3078873.7/59

All: 1912.024 $\pm$ 0.159 χ^2 /NDF: 6426945.4/12

- sign 1896.432 $\pm$ 0.223 χ^2 /NDF: 3338205.8/61

diff_bpm1i06Y_mean vs Slug



Right In: 4.439 ± 0.446 χ^2/NDF : 1559.5/34

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -31.722 ± 0.431 χ^2/NDF : 8876.8/38

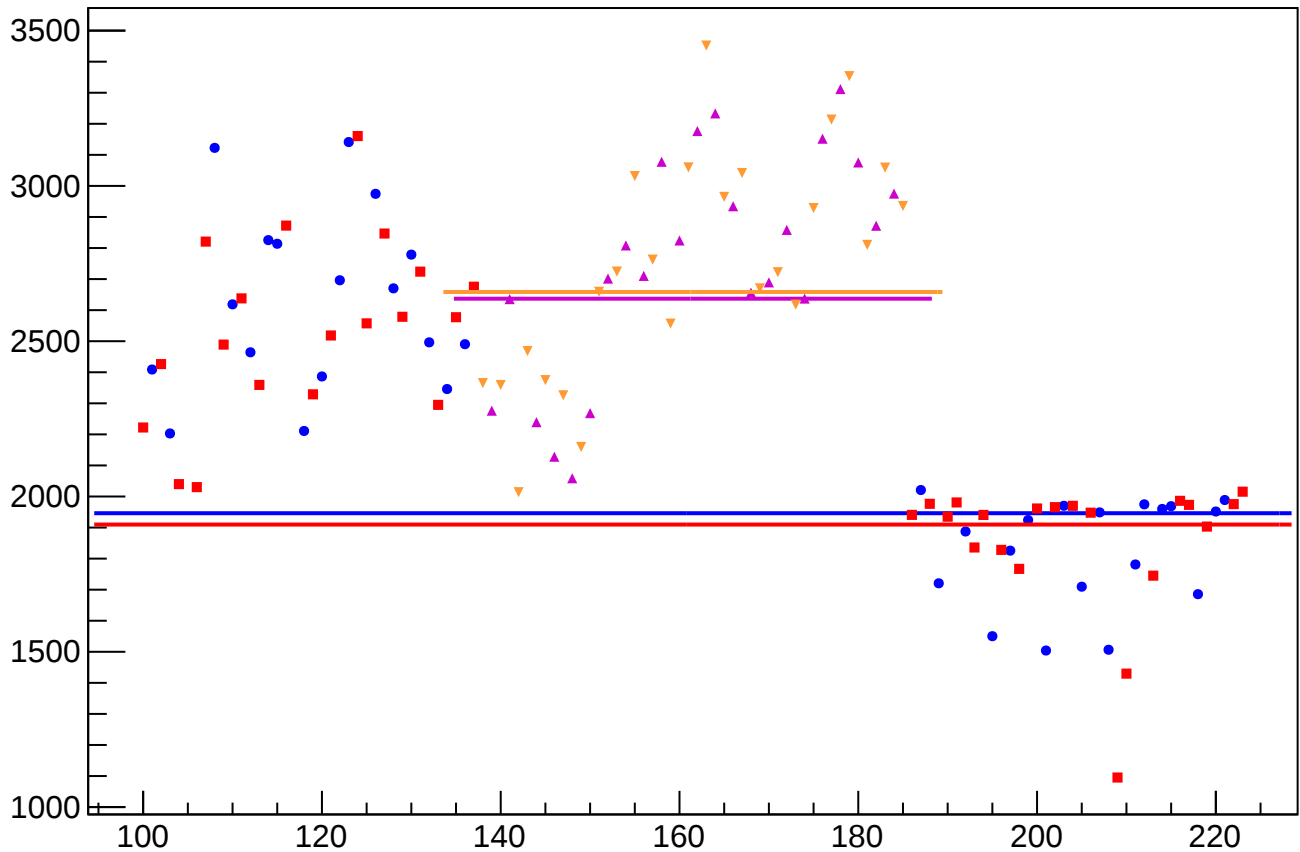
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -1.005 ± 0.363 χ^2/NDF : 2085.7/59

All: -10.229 ± 0.255 χ^2/NDF : 15217.1/121

- sign -19.183 ± 0.358 χ^2/NDF : 11860.8/61

diff_bpm1i06Y_rms vs Slug



Right In: 1946.199+/-0.316 χ^2/NDF : 1221589.4/34

Left Out: 2658.486+/-0.442 χ^2/NDF : 618133.8/24

Right Out: 1909.655+/-0.305 χ^2/NDF : 1832085.4/38

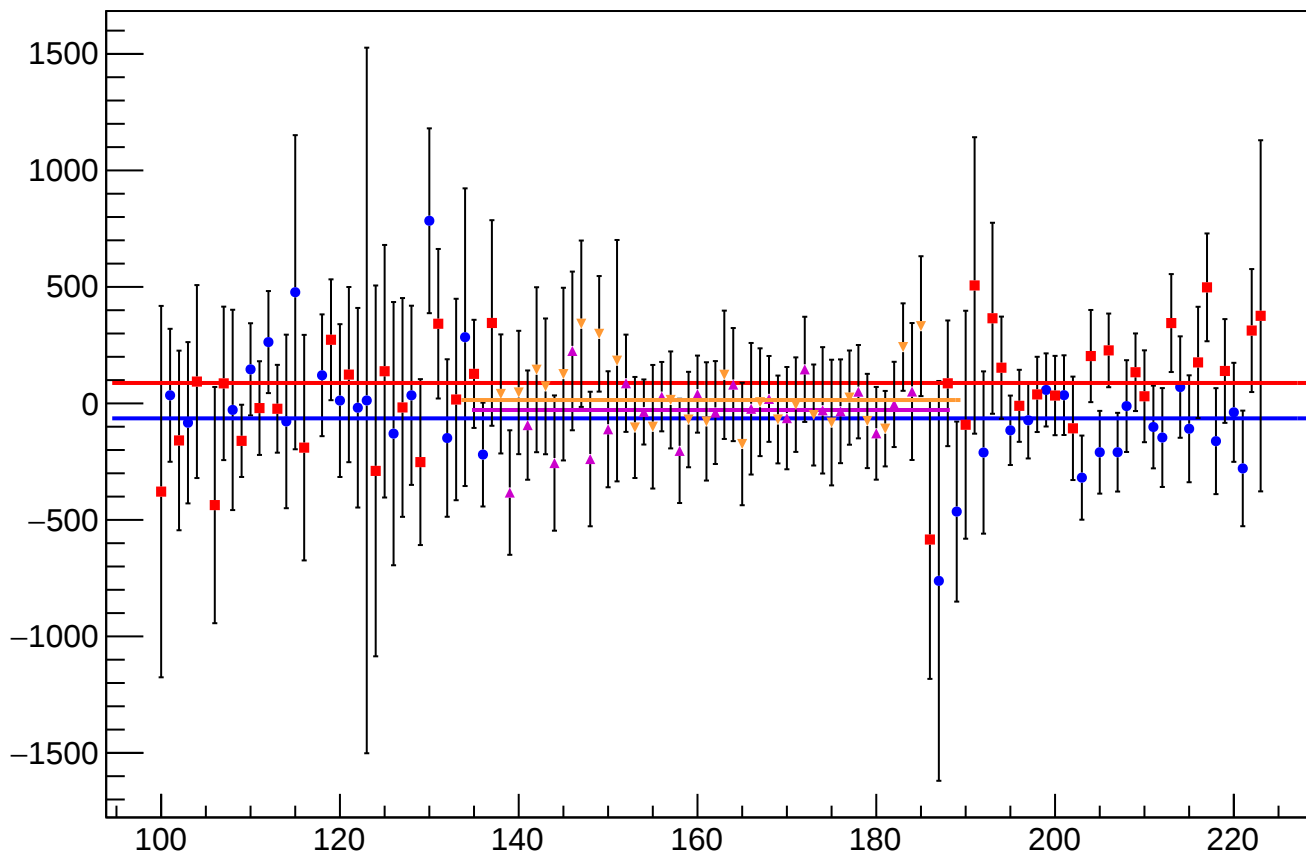
Left In: 2636.885+/-0.454 χ^2/NDF : 652894.5/22

+ sign 2186.493+/-0.257 χ^2/NDF : 3558600.3/59

All: 2160.754+/-0.180 χ^2/NDF : 7832140.0/12

- sign 2135.765+/-0.253 χ^2/NDF : 4253751.9/61

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -64.147 ± 40.567 $\chi^2/\text{NDF}: 18.2/34$

Left Out: 14.520 ± 47.528 $\chi^2/\text{NDF}: 7.8/24$

Right Out: 87.724 ± 40.438 $\chi^2/\text{NDF}: 18.8/38$

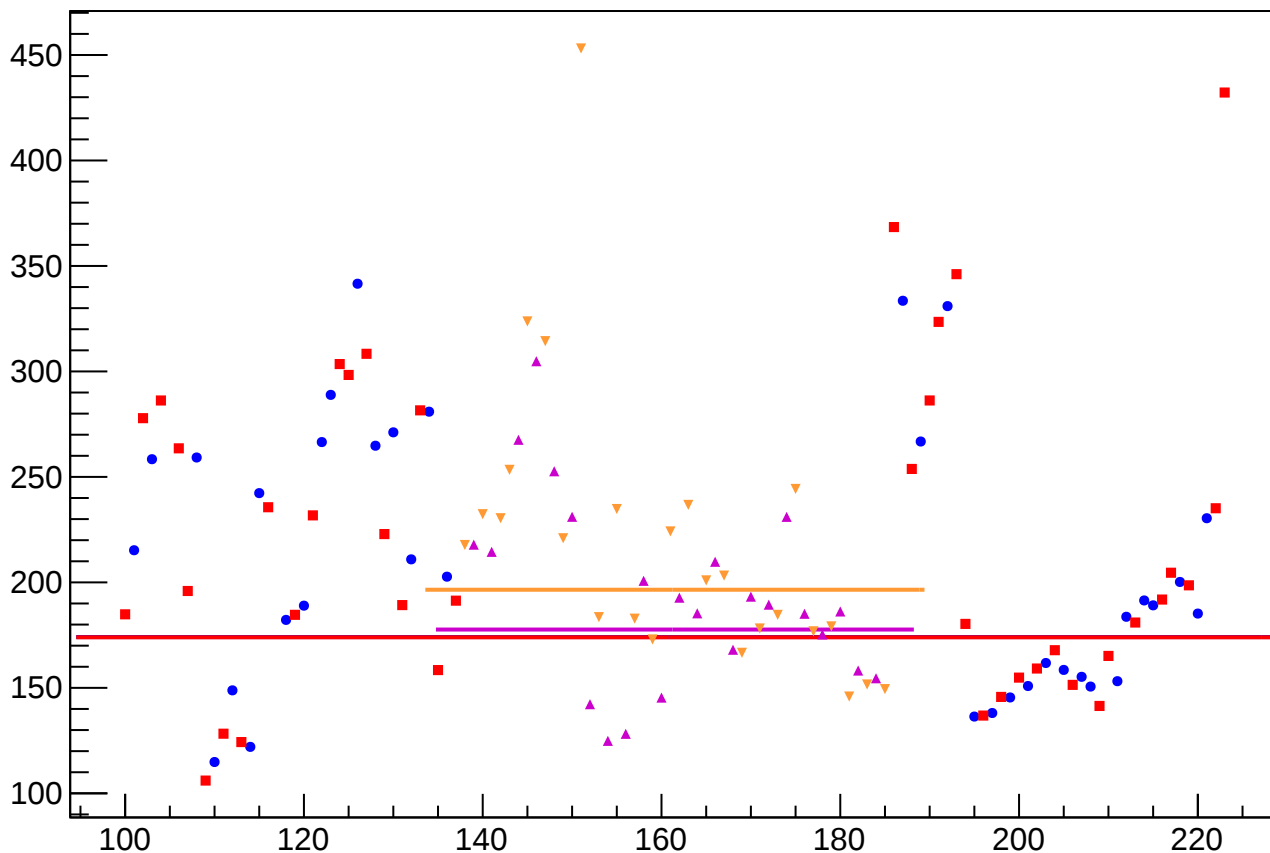
Left In: -28.310 ± 44.638 $\chi^2/\text{NDF}: 6.3/22$

+ sign -30.991 ± 30.856 $\chi^2/\text{NDF}: 27.6/59$

All: 3.184 ± 21.498 $\chi^2/\text{NDF}: 58.8/121$

- sign 35.422 ± 29.969 $\chi^2/\text{NDF}: 28.8/61$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.081 $\pm$ 0.029 χ^2 /NDF: 2318432.4/34

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF: 1789504.4/24

Right Out: 173.968 $\pm$ 0.029 χ^2 /NDF: 3278933.3/38

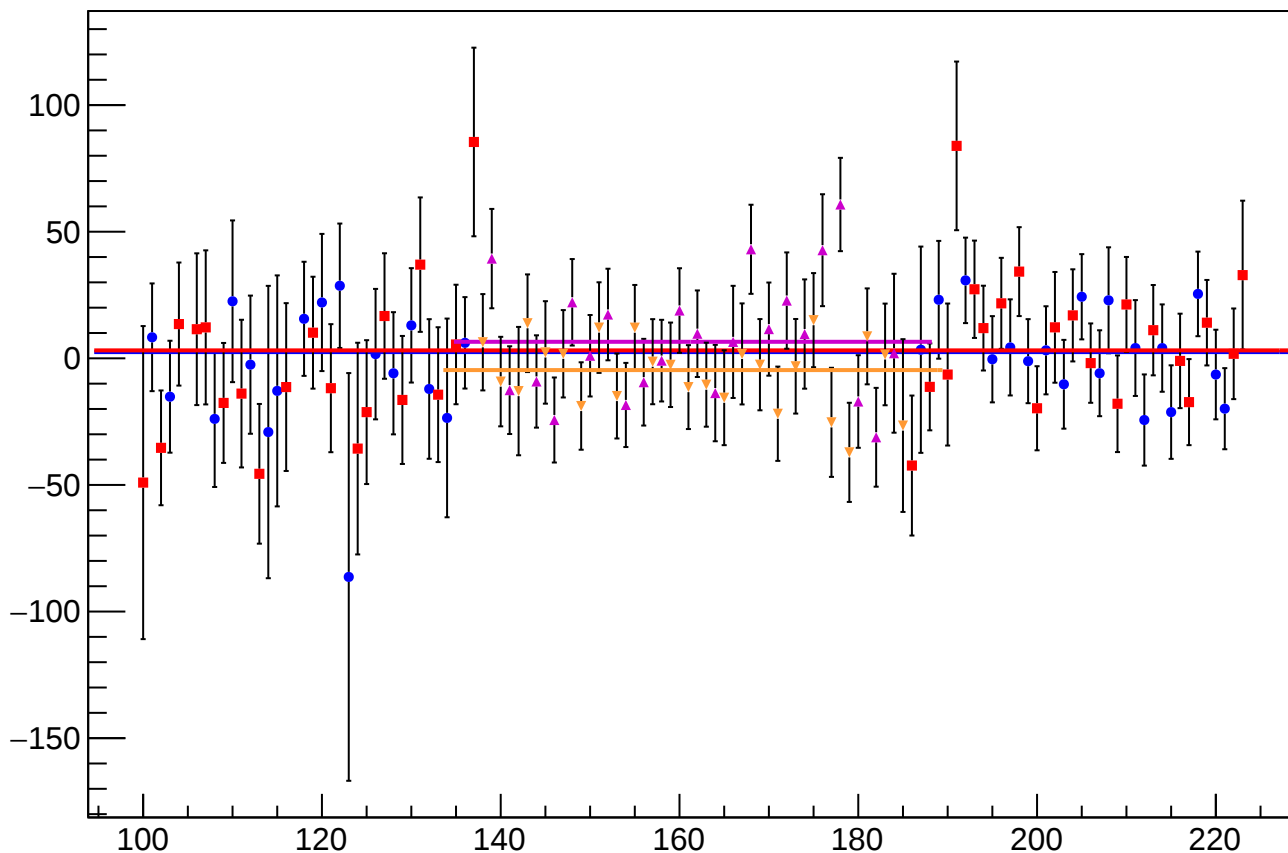
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF: 1630664.5/22

+ sign 183.536 $\pm$ 0.022 χ^2 /NDF: 4365695.5/59

All: 179.465 $\pm$ 0.015 χ^2 /NDF: 9350398.2/123

- sign 175.625 $\pm$ 0.021 χ^2 /NDF: 4917044.0/61

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.460 ± 3.566 χ^2/NDF : 21.9/34

Left Out: -4.646 ± 3.728 χ^2/NDF : 12.1/24

Right Out: 3.137 ± 3.527 χ^2/NDF : 41.8/38

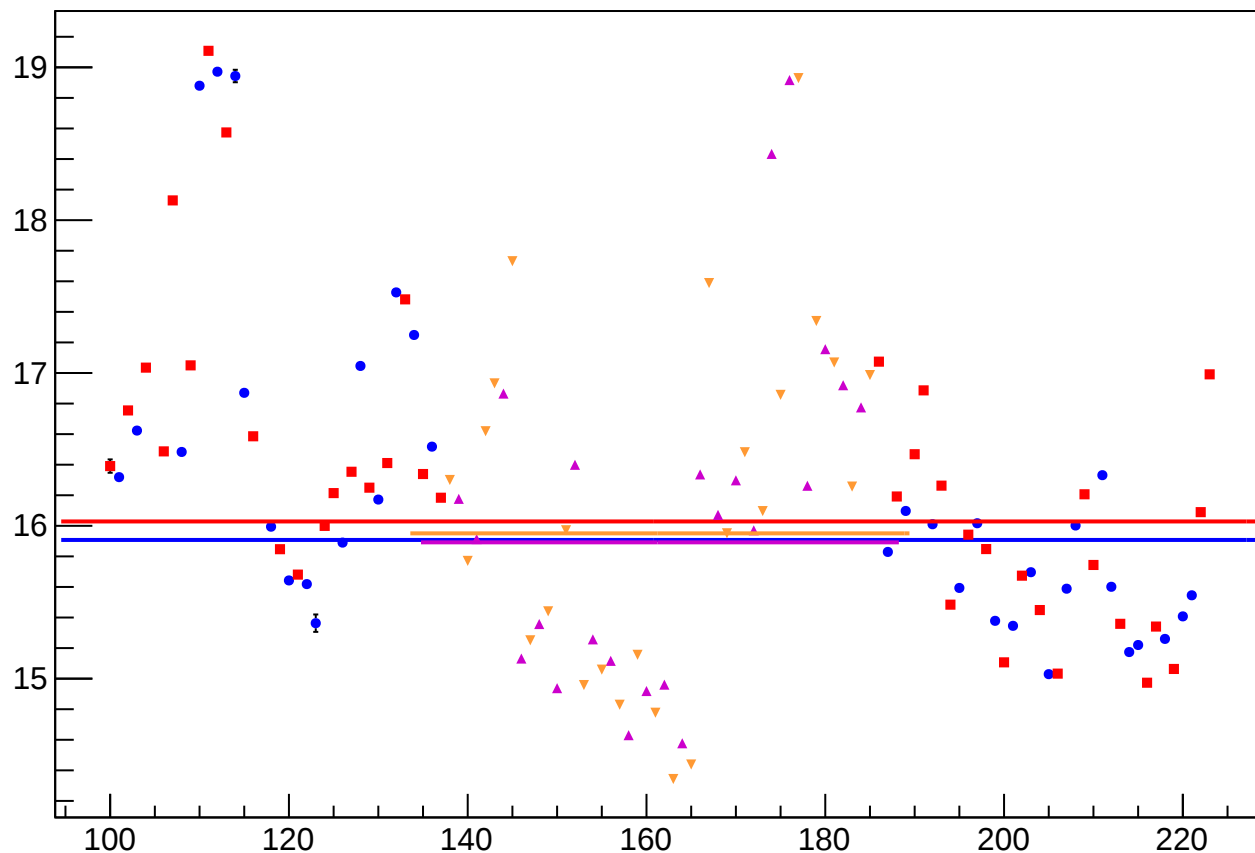
Left In: 6.526 ± 3.828 χ^2/NDF : 36.4/22

+ sign -0.936 ± 2.577 χ^2/NDF : 35.9/59

All: 1.861 ± 1.828 χ^2/NDF : 116.8/121

- sign 4.693 ± 2.594 χ^2/NDF : 78.6/61

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.908 $\pm$ 0.003 χ^2 /NDF: 94749.8/34

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF:173458.5/24

Right Out: 16.029 $\pm$ 0.002 χ^2 /NDF: 113210.2/38

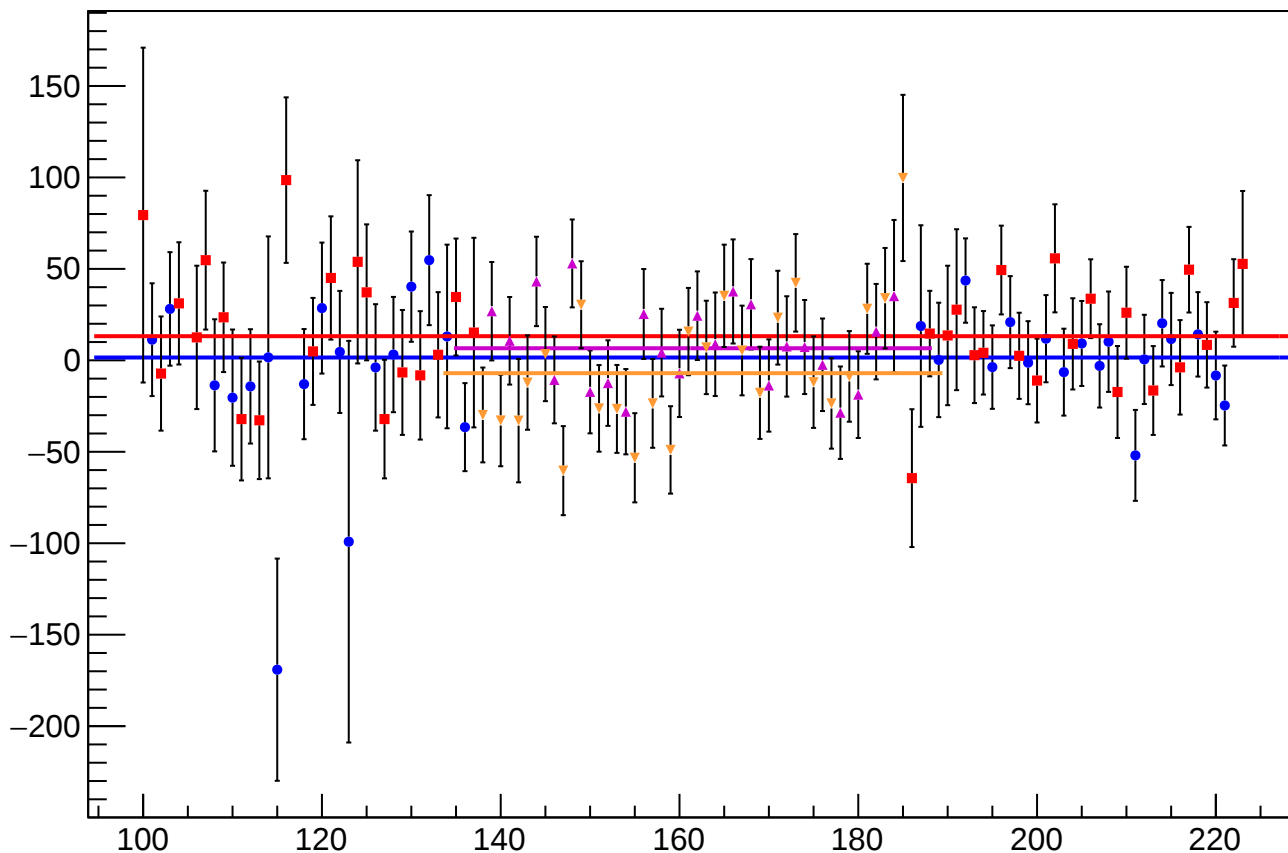
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF:147093.3/22

+ sign 15.928 $\pm$ 0.002 χ^2 /NDF: 268348.2/59

All: 15.947 $\pm$ 0.001 χ^2 /NDF: 530244.2/121

- sign 15.966 $\pm$ 0.002 χ^2 /NDF: 261684.2/61

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 1.551 $\pm$ 4.794 χ^2 /NDF: 29.6/34

Left Out: -7.017 $\pm$ 5.121 χ^2 /NDF: 37.4/24

Right Out: 13.201 $\pm$ 4.735 χ^2 /NDF: 34.0/38

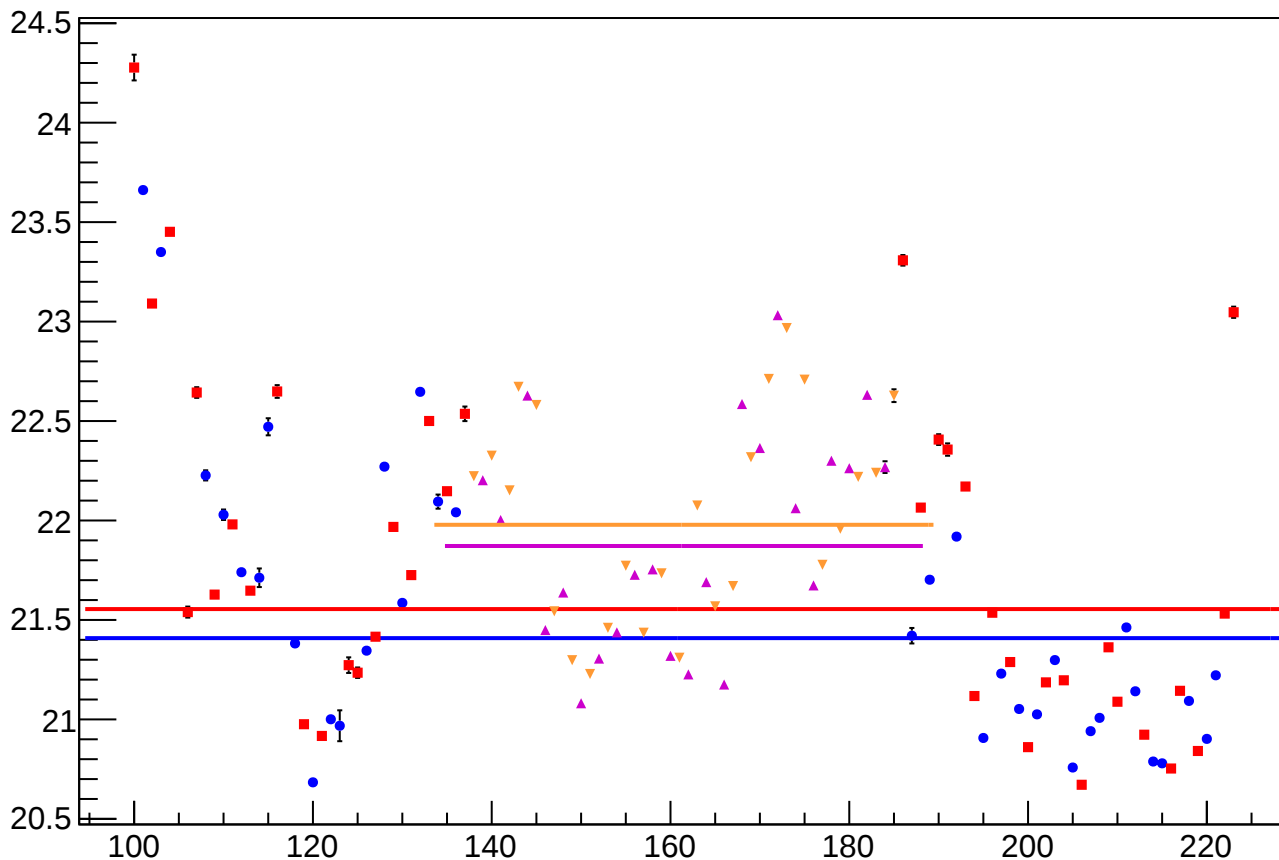
Left In: 6.611 $\pm$ 5.251 χ^2 /NDF: 19.1/22

+ sign -2.451 $\pm$ 3.500 χ^2 /NDF: 68.5/59

All: 3.867 $\pm$ 2.481 χ^2 /NDF: 129.1/121

- sign 10.246 $\pm$ 3.517 χ^2 /NDF: 54.0/61

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.409 $\pm$ 0.003 χ^2 /NDF: 38271.9/34

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF: 19430.2/24

Right Out: 21.555 $\pm$ 0.003 χ^2 /NDF: 45561.9/38

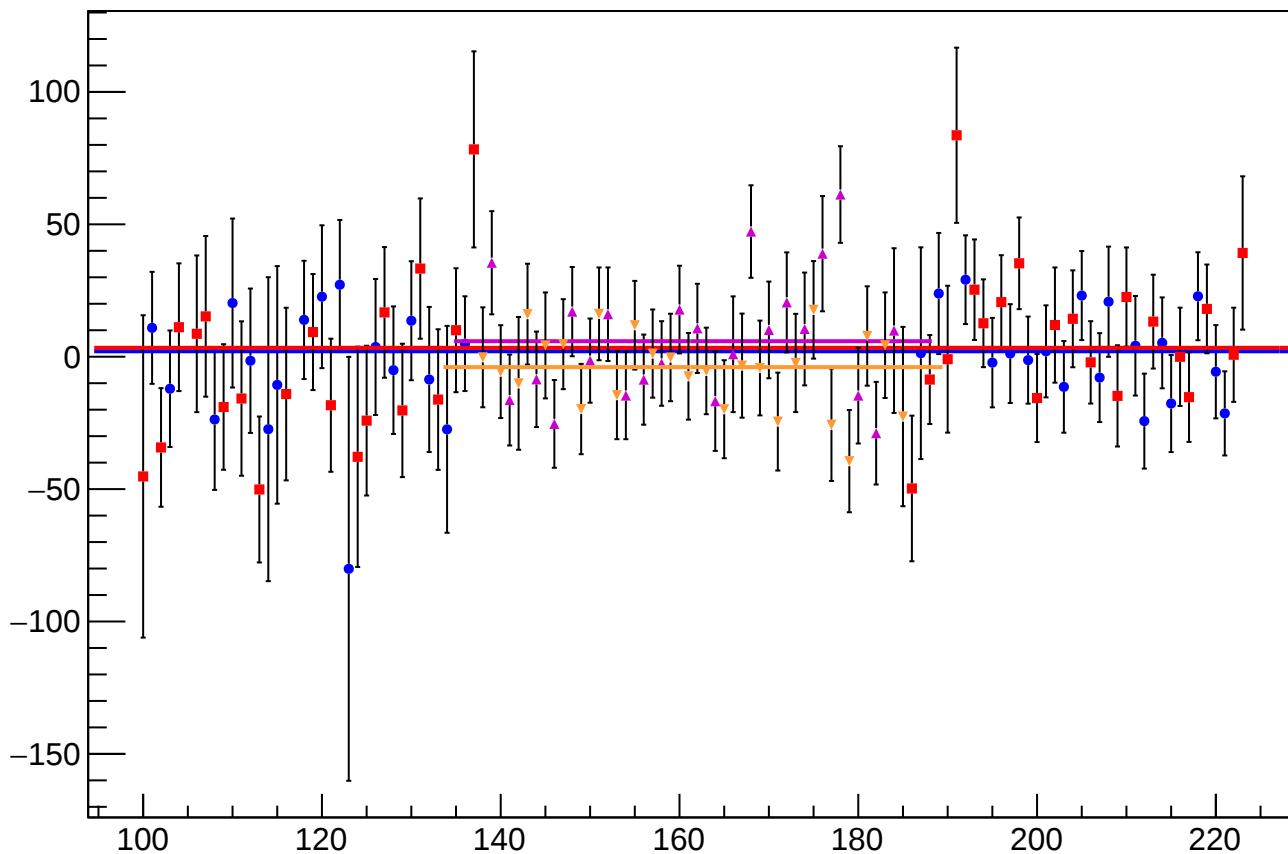
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF: 20524.9/22

+ sign 21.675 $\pm$ 0.002 χ^2 /NDF: 70897.7/59

All: 21.686 $\pm$ 0.002 χ^2 /NDF: 141047.0/121

- sign 21.697 $\pm$ 0.002 χ^2 /NDF: 70109.3/61

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.060 ± 3.542 χ^2/NDF : 20.5/34

Left Out: -3.927 ± 3.688 χ^2/NDF : 14.0/24

Right Out: 3.368 ± 3.503 χ^2/NDF : 43.0/38

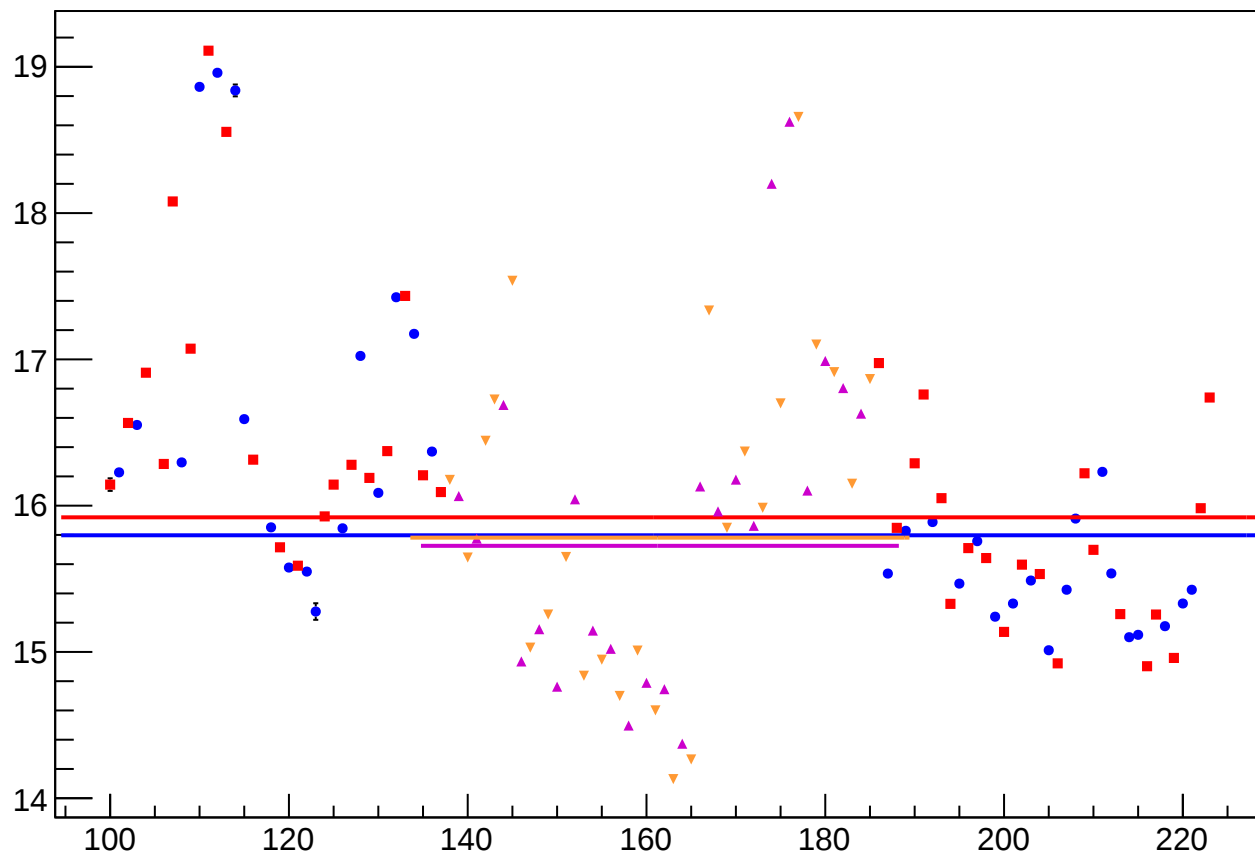
Left In: 5.861 ± 3.787 χ^2/NDF : 36.2/22

+ sign -0.813 ± 2.555 χ^2/NDF : 35.9/59

All: 1.835 ± 1.812 χ^2/NDF : 117.5/121

- sign 4.518 ± 2.572 χ^2/NDF : 79.4/61

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.797 $\pm$ 0.003 χ^2 /NDF: 96565.9/34

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF:172894.3/24

Right Out: 15.920 $\pm$ 0.002 χ^2 /NDF: 114403.0/38

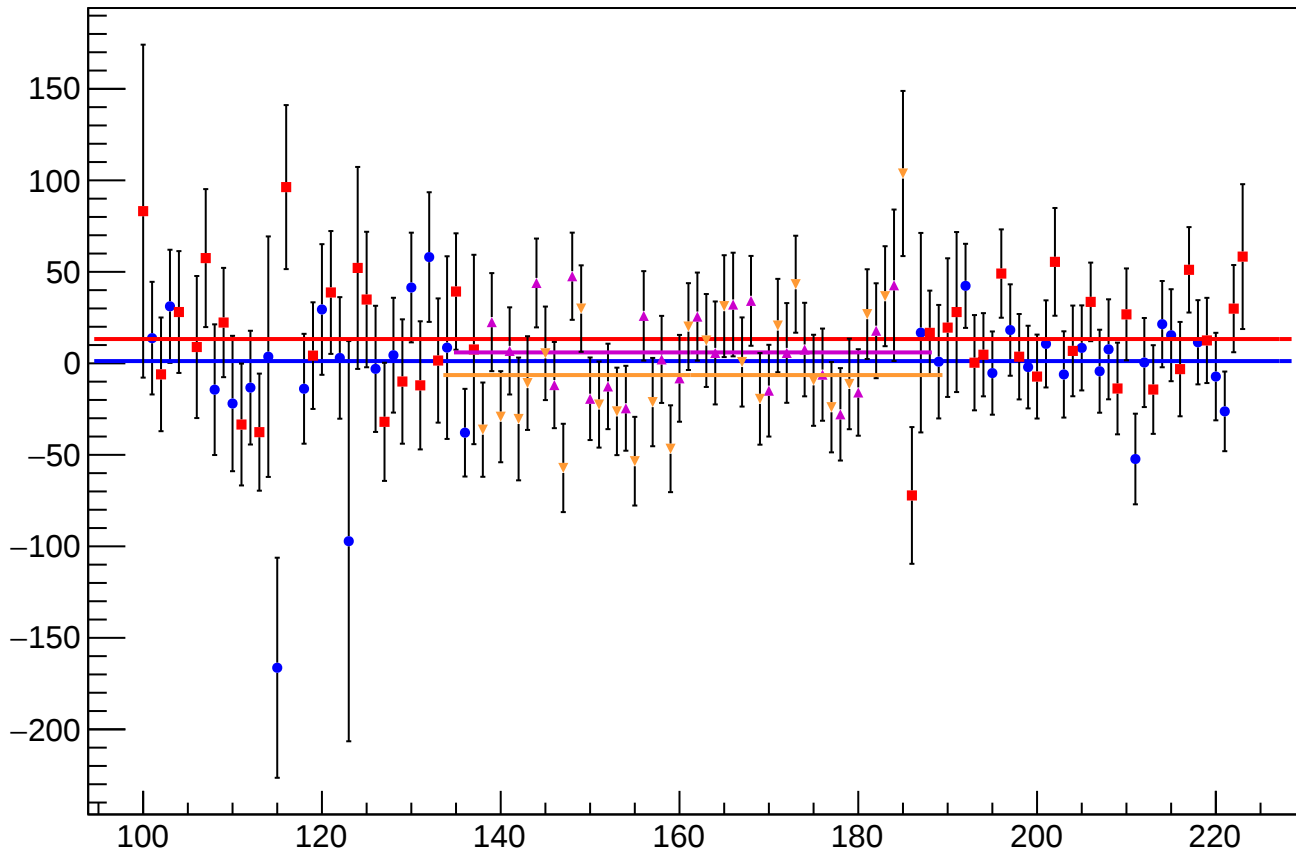
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF:145830.9/22

+ sign 15.790 $\pm$ 0.002 χ^2 /NDF: 269480.2/59

All: 15.810 $\pm$ 0.001 χ^2 /NDF: 532817.8/121

- sign 15.830 $\pm$ 0.002 χ^2 /NDF: 263085.8/61

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 1.238 ± 4.774 χ^2/NDF : 30.4/34

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 13.286 ± 4.713 χ^2/NDF : 35.4/38

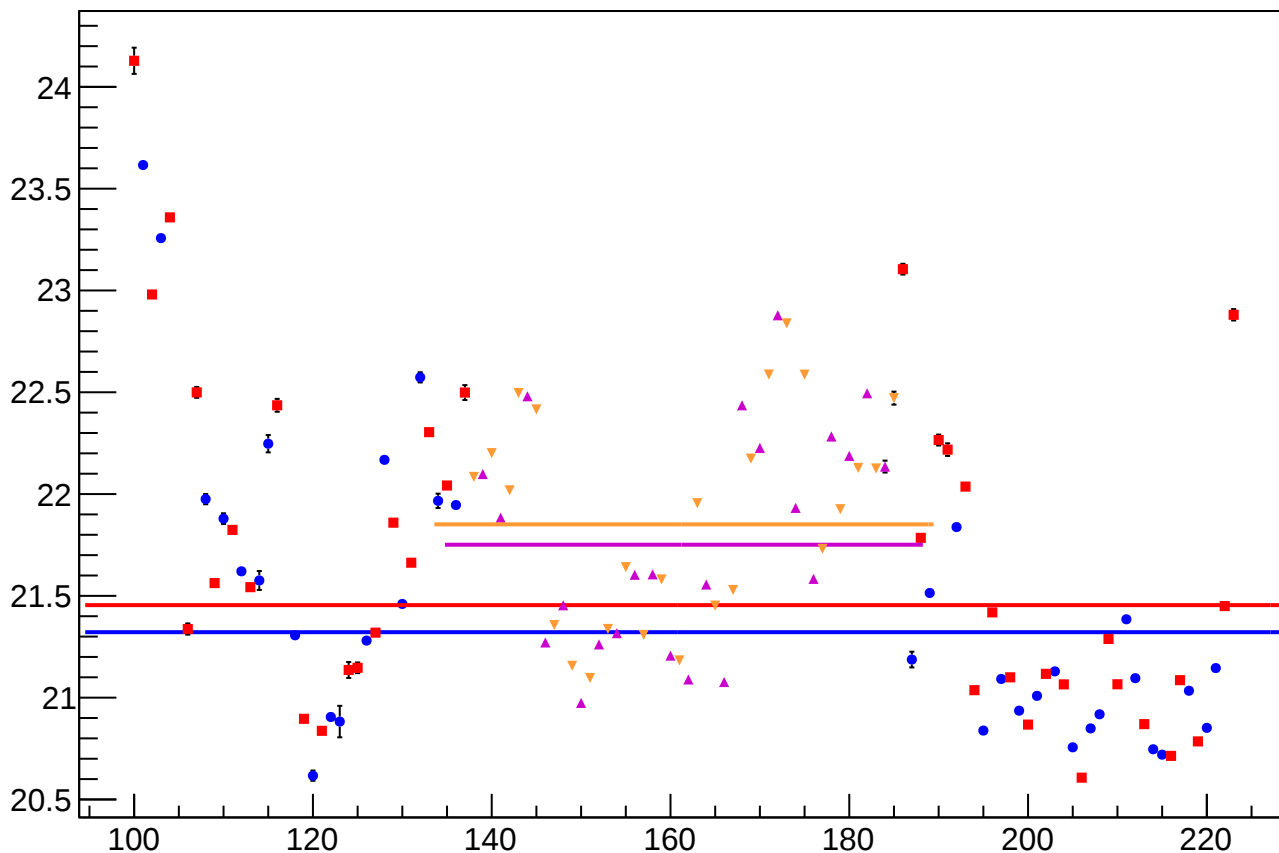
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -2.337 ± 3.483 χ^2/NDF : 69.0/59

All: 3.805 ± 2.468 χ^2/NDF : 130.2/121

- sign 10.006 ± 3.499 χ^2/NDF : 55.0/61

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.322 $\pm$ 0.003 χ^2 /NDF: 37052.3/34

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF:19631.8/24

Right Out: 21.455 $\pm$ 0.003 χ^2 /NDF: 41947.9/38

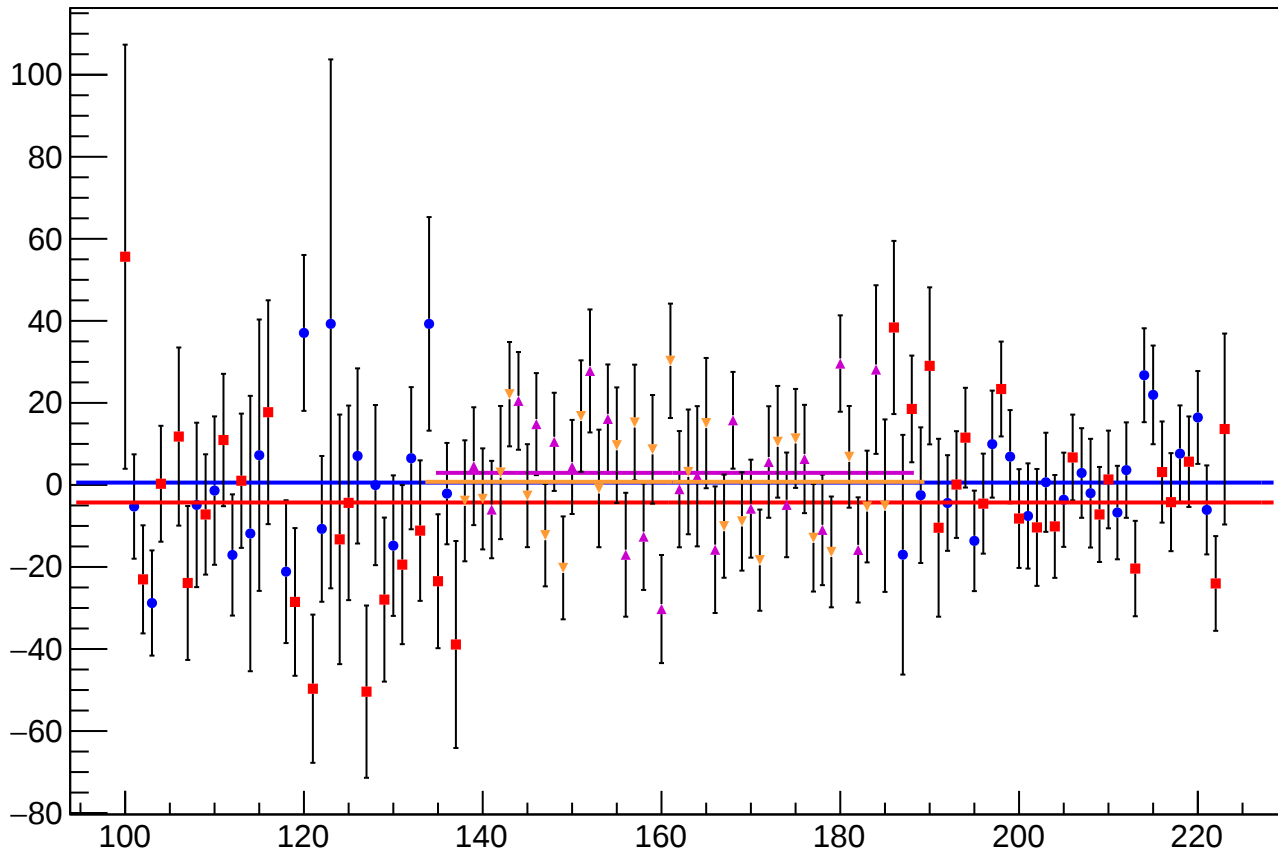
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF:20516.3/22

+ sign 21.569 $\pm$ 0.002 χ^2 /NDF: 68195.0/59

All: 21.578 $\pm$ 0.002 χ^2 /NDF: 134243.8/121

- sign 21.588 $\pm$ 0.002 χ^2 /NDF: 66021.3/61

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: 0.572 ± 2.401 χ^2/NDF : 31.4/34

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: -4.279 ± 2.390 χ^2/NDF : 51.6/38

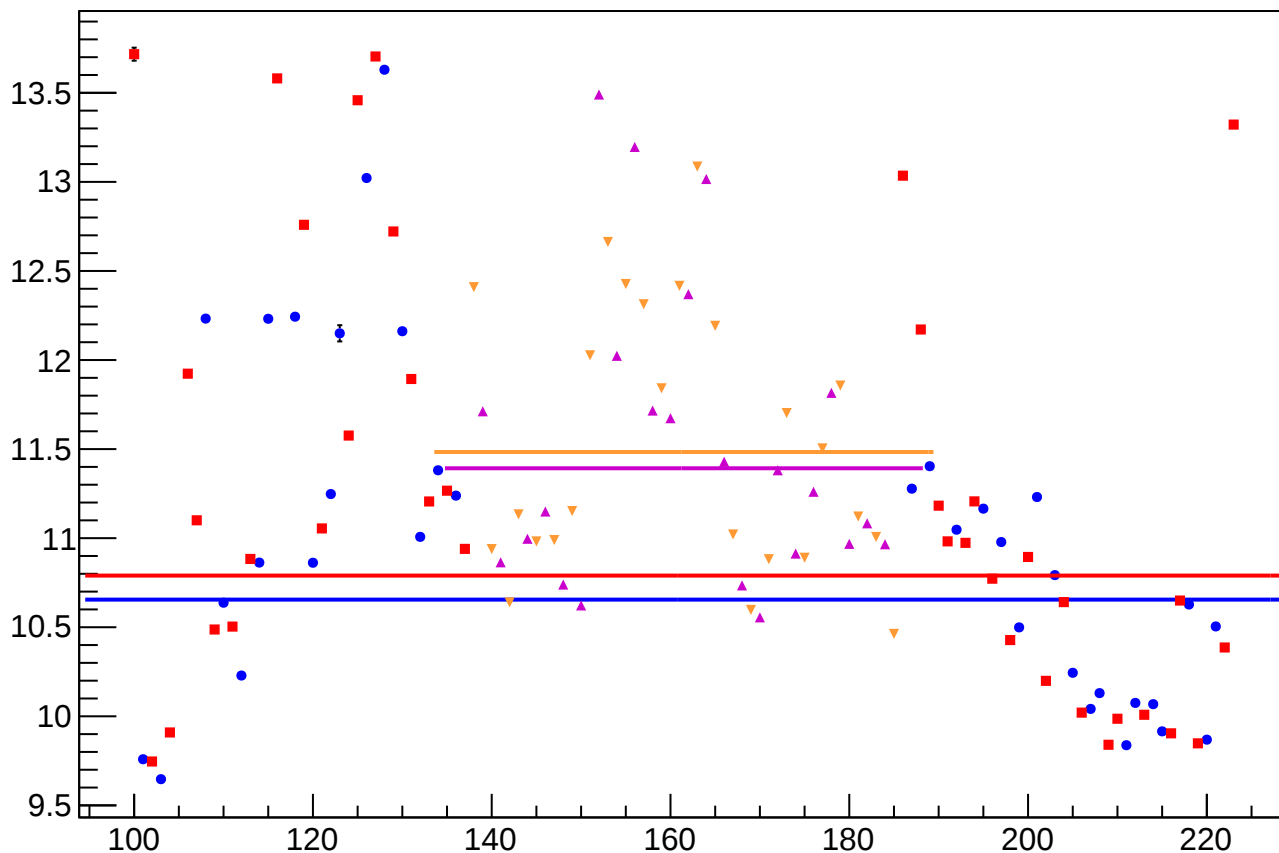
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign 0.654 ± 1.794 χ^2/NDF : 55.2/59

All: -0.257 ± 1.273 χ^2/NDF : 142.1/121

- sign -1.181 ± 1.806 χ^2/NDF : 86.4/61

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.655 $\pm$ 0.002 χ^2 /NDF: 221230.6/34

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 10.790 $\pm$ 0.002 χ^2 /NDF: 321272.7/38

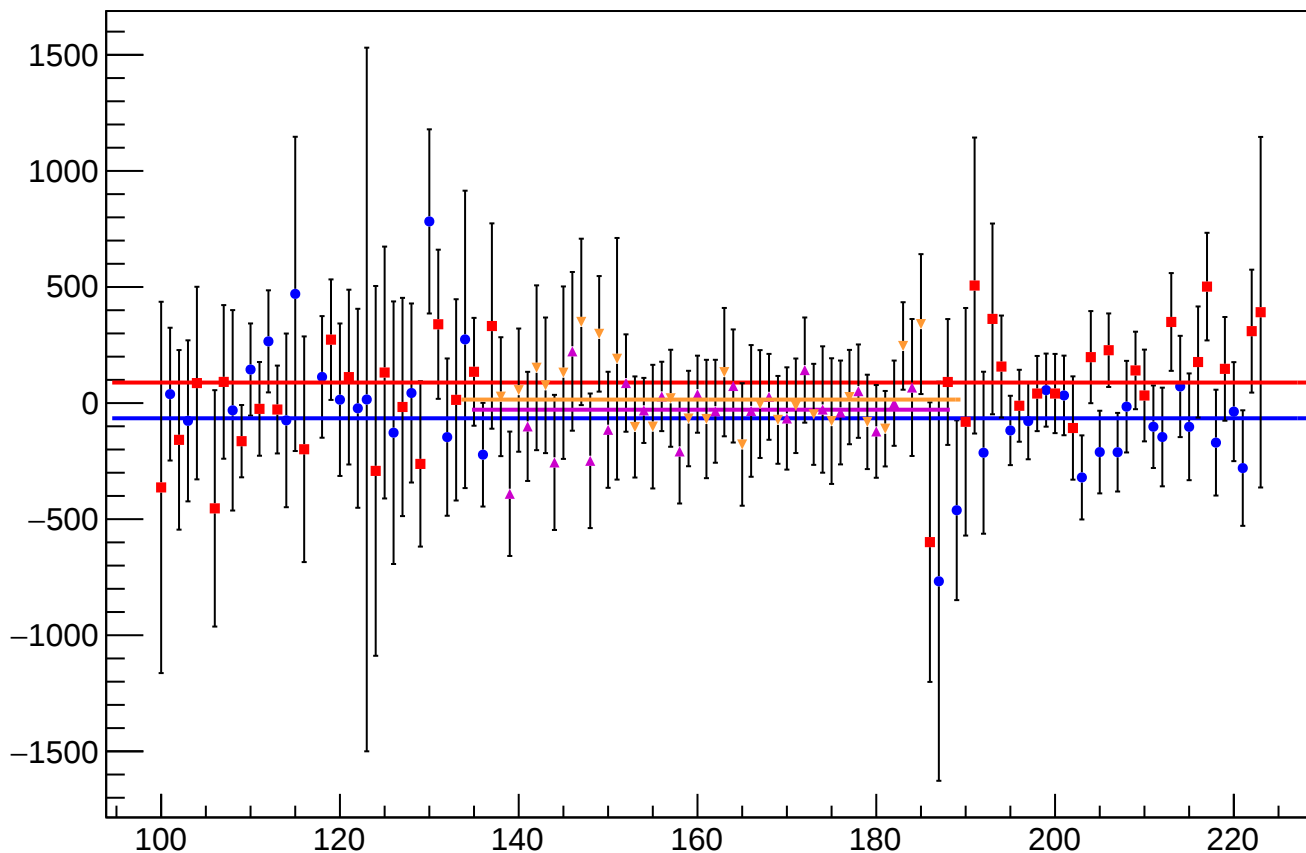
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.021 $\pm$ 0.001 χ^2 /NDF: 456300.8/59

All: 11.035 $\pm$ 0.001 χ^2 /NDF: 982799.7/121

- sign 11.048 $\pm$ 0.001 χ^2 /NDF: 526271.9/61

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -65.444 ± 40.666 χ^2/NDF : 18.2/34

Left Out: 15.130 ± 47.705 χ^2/NDF : 8.0/24

Right Out: 88.442 ± 40.543 χ^2/NDF : 19.1/38

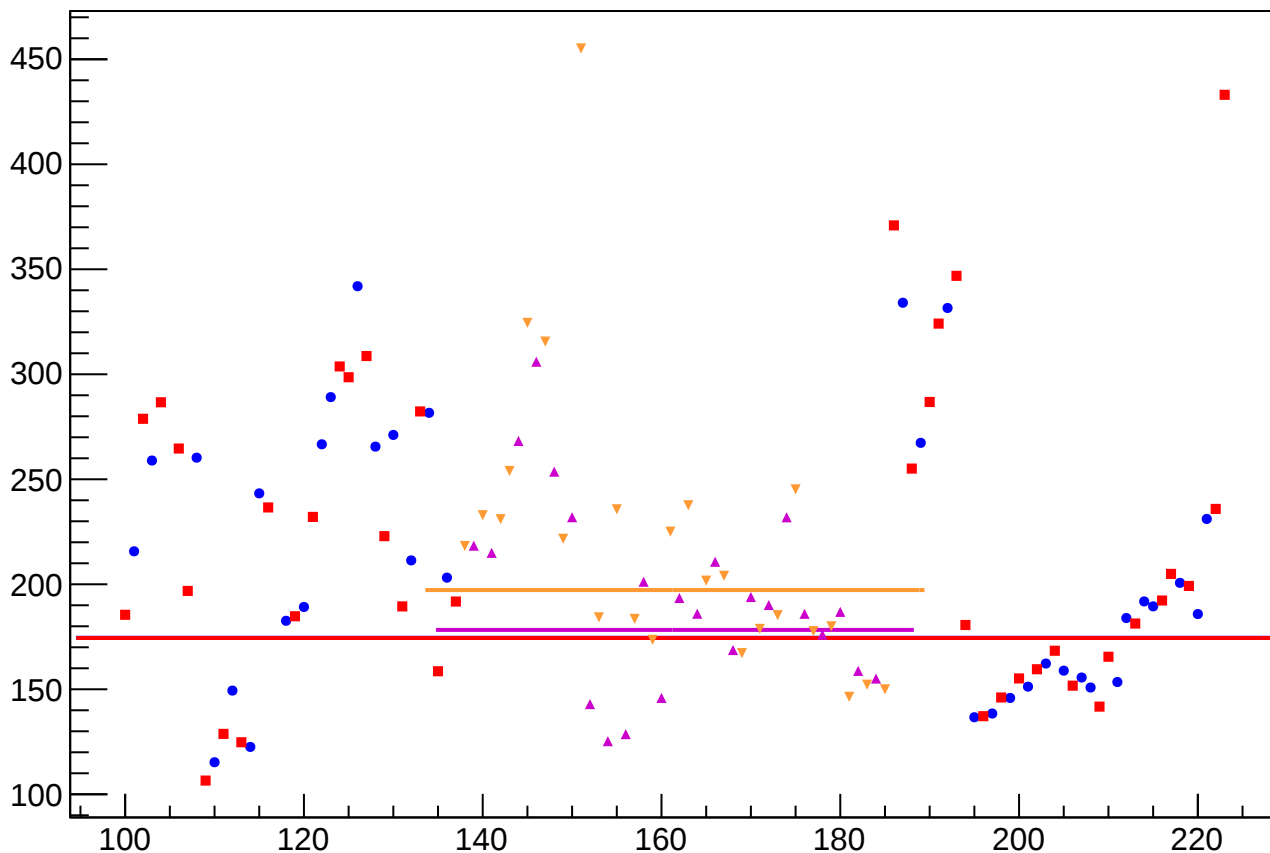
Left In: -28.500 ± 44.797 χ^2/NDF : 6.4/22

+ sign -31.534 ± 30.948 χ^2/NDF : 27.8/59

All: 3.106 ± 21.563 χ^2/NDF : 59.4/121

- sign 35.786 ± 30.060 χ^2/NDF : 29.2/61

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 174.517 $\pm$ 0.029 χ^2 /NDF: 2313911.9/34

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF: 1786808.1/24

Right Out: 174.428 $\pm$ 0.029 χ^2 /NDF: 3275292.1/38

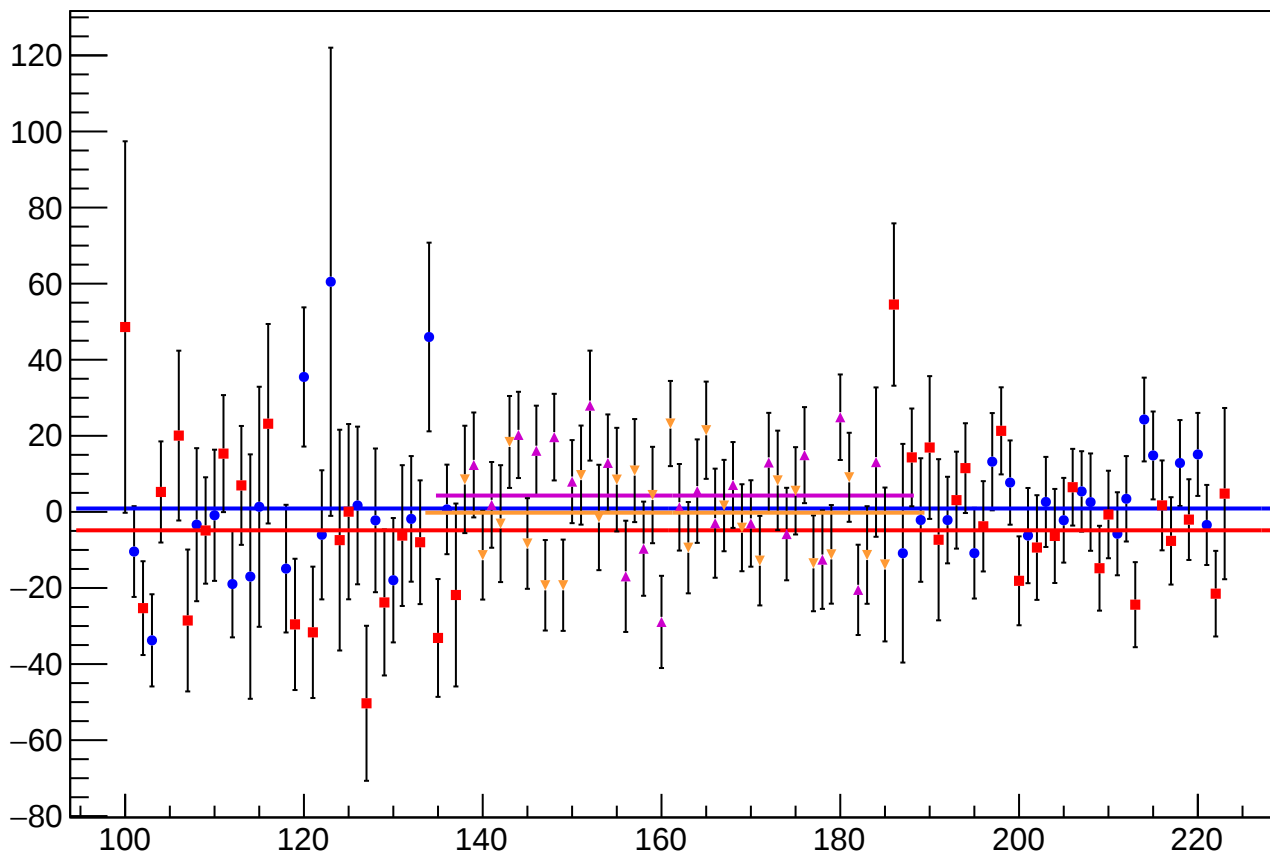
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF: 1628916.6/22

+ sign 184.084 $\pm$ 0.022 χ^2 /NDF: 4363730.5/59

All: 180.007 $\pm$ 0.015 χ^2 /NDF: 9343504.3/123

- sign 176.161 $\pm$ 0.021 χ^2 /NDF: 4912324.8/61

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: 0.896 ± 2.316 $\chi^2/\text{NDF}: 34.3/34$

Left Out: -0.211 ± 2.523 $\chi^2/\text{NDF}: 24.5/24$

Right Out: -4.842 ± 2.310 $\chi^2/\text{NDF}: 53.5/38$

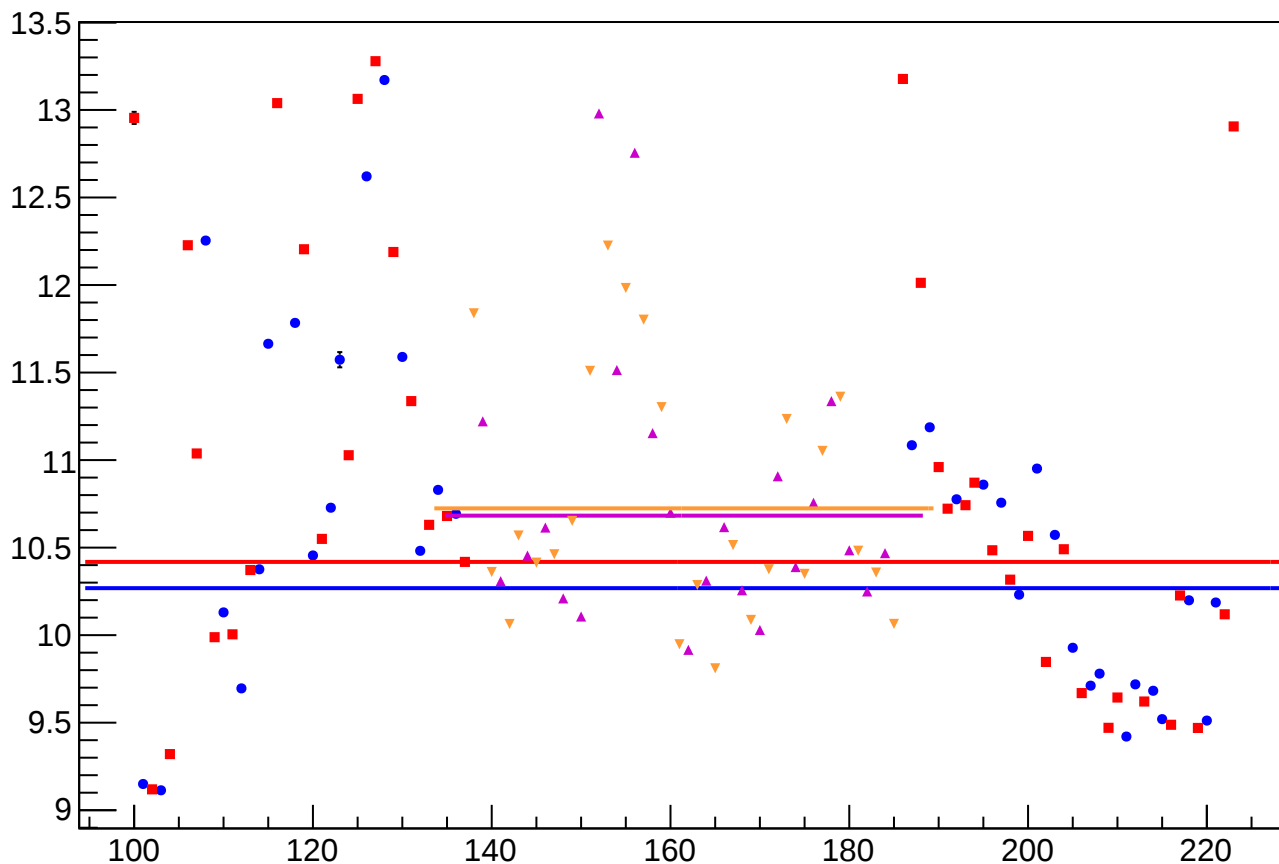
Left In: 4.298 ± 2.589 $\chi^2/\text{NDF}: 31.6/22$

+ sign 0.390 ± 1.706 $\chi^2/\text{NDF}: 58.9/59$

All: -0.195 ± 1.213 $\chi^2/\text{NDF}: 151.1/121$

- sign -0.792 ± 1.724 $\chi^2/\text{NDF}: 92.0/61$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.268 $\pm$ 0.002 χ^2/NDF : 249737.4/34

Left Out: 10.724 $\pm$ 0.002 χ^2/NDF : 132558.9/24

Right Out: 10.418 $\pm$ 0.002 χ^2/NDF : 365109.3/38

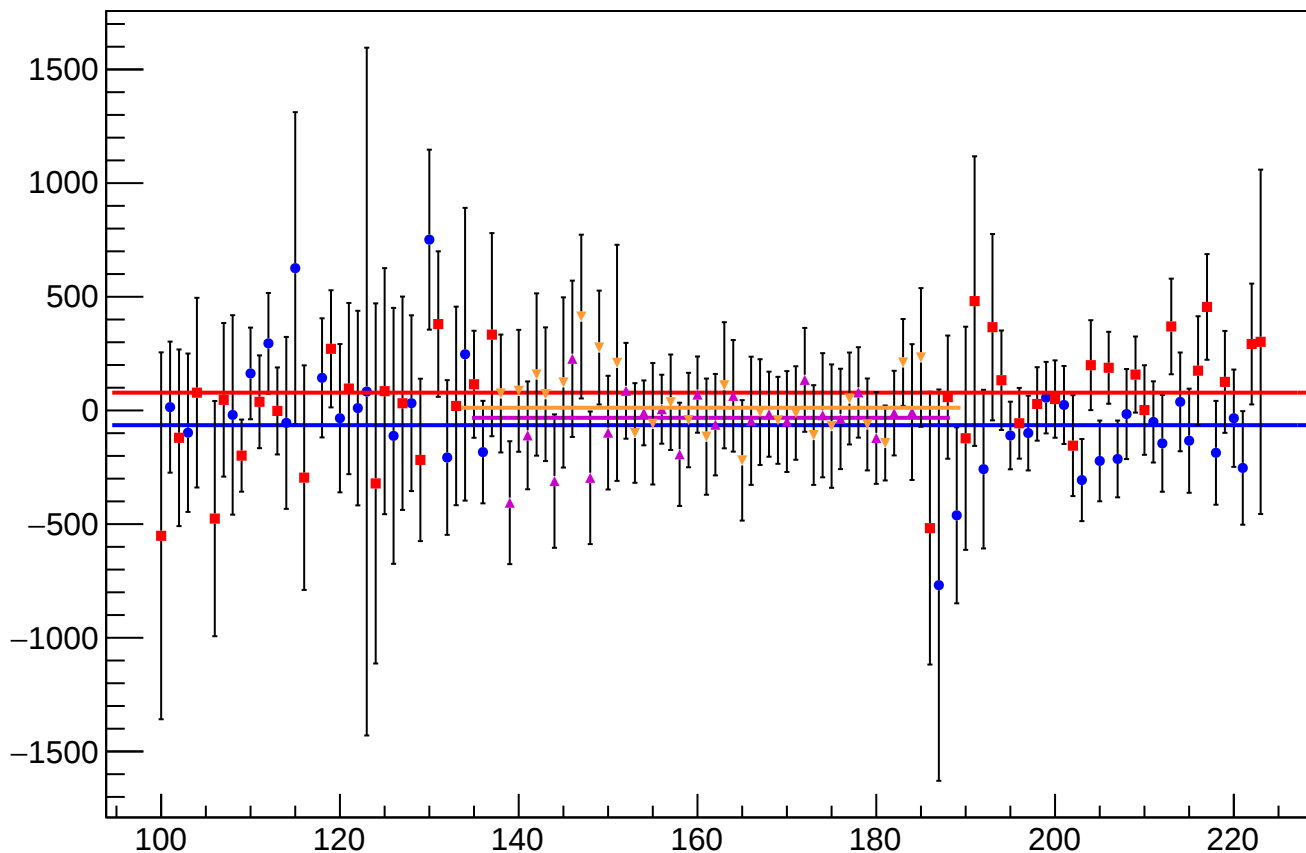
Left In: 10.683 $\pm$ 0.002 χ^2/NDF : 147835.6/22

+ sign 10.477 $\pm$ 0.001 χ^2/NDF : 417704.9/59

All: 10.506 $\pm$ 0.001 χ^2/NDF : 943420.3/121

- sign 10.535 $\pm$ 0.001 χ^2/NDF : 524545.0/61

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -64.776 ± 40.730 χ^2/NDF : 18.5/34

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 78.290 ± 40.662 χ^2/NDF : 19.4/38

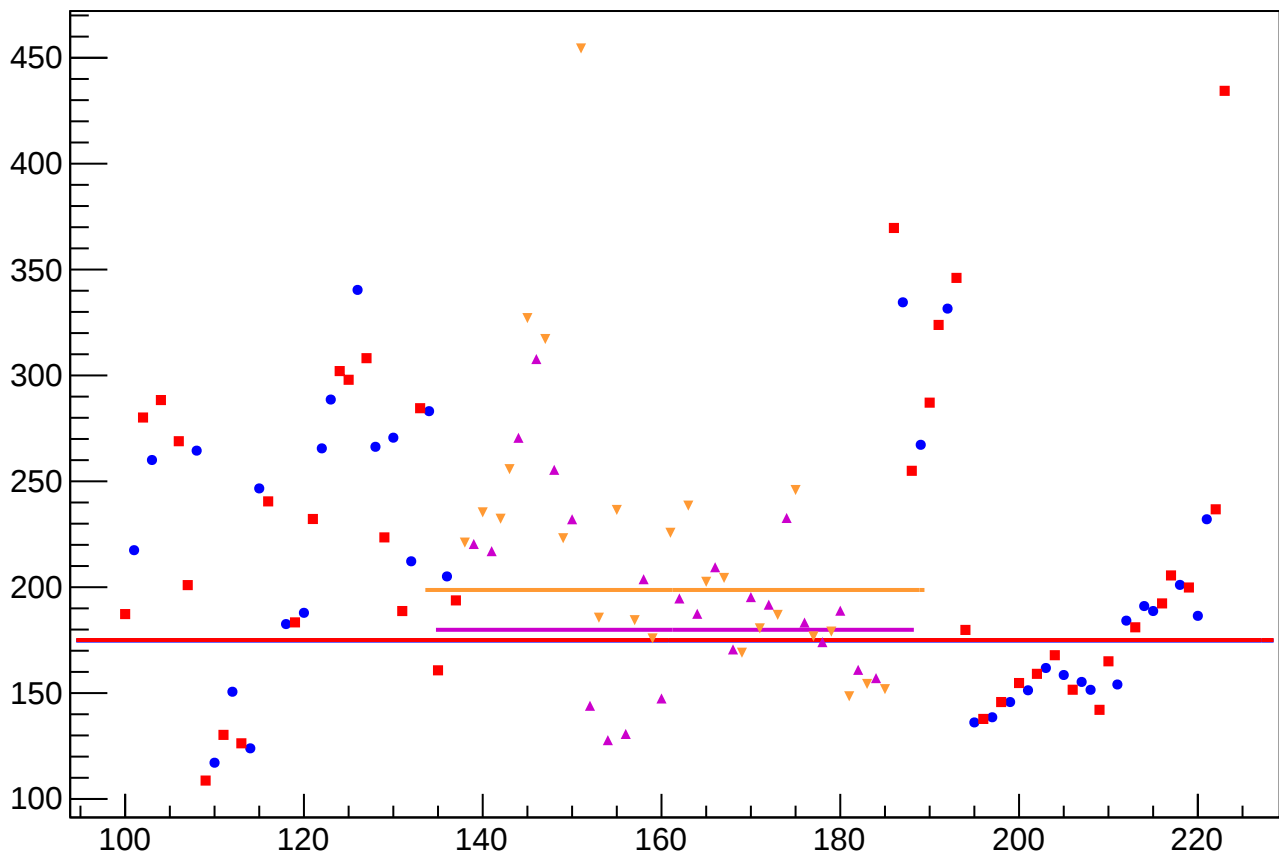
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign -32.700 ± 31.062 χ^2/NDF : 27.6/59

All: -1.143 ± 21.659 χ^2/NDF : 59.3/121

- sign 28.719 ± 30.216 χ^2/NDF : 29.7/61

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.797 $\pm$ 0.029 χ^2 /NDF: 2311460.2/34

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF: 1759311.9/24

Right Out: 175.062 $\pm$ 0.029 χ^2 /NDF: 3233041.6/38

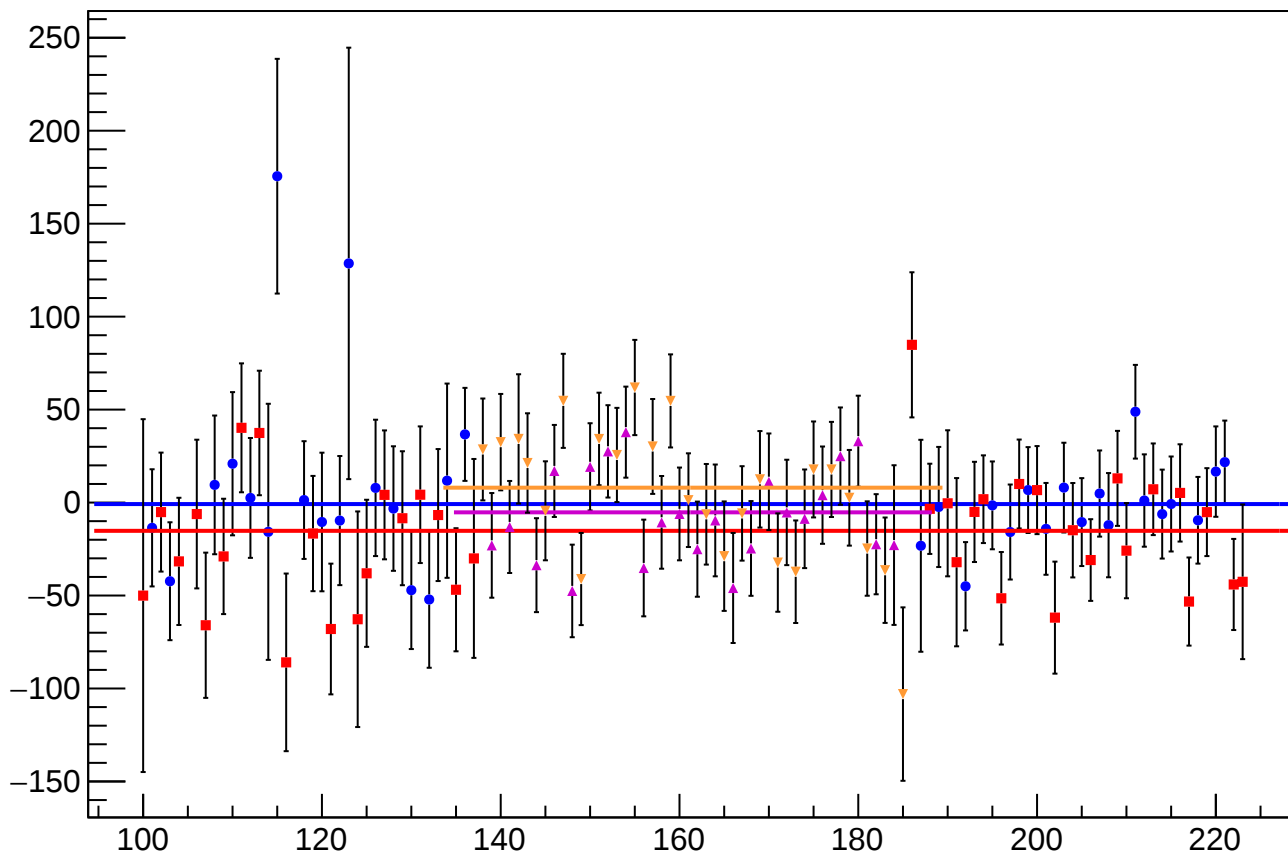
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF: 1580636.4/22

+ sign 184.795 $\pm$ 0.022 χ^2 /NDF: 4358848.9/59

All: 180.905 $\pm$ 0.015 χ^2 /NDF: 9246210.8/123

- sign 177.223 $\pm$ 0.021 χ^2 /NDF: 4826282.7/61

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.809 ± 4.920 χ^2/NDF : 28.5/34

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: -15.202 ± 4.872 χ^2/NDF : 36.7/38

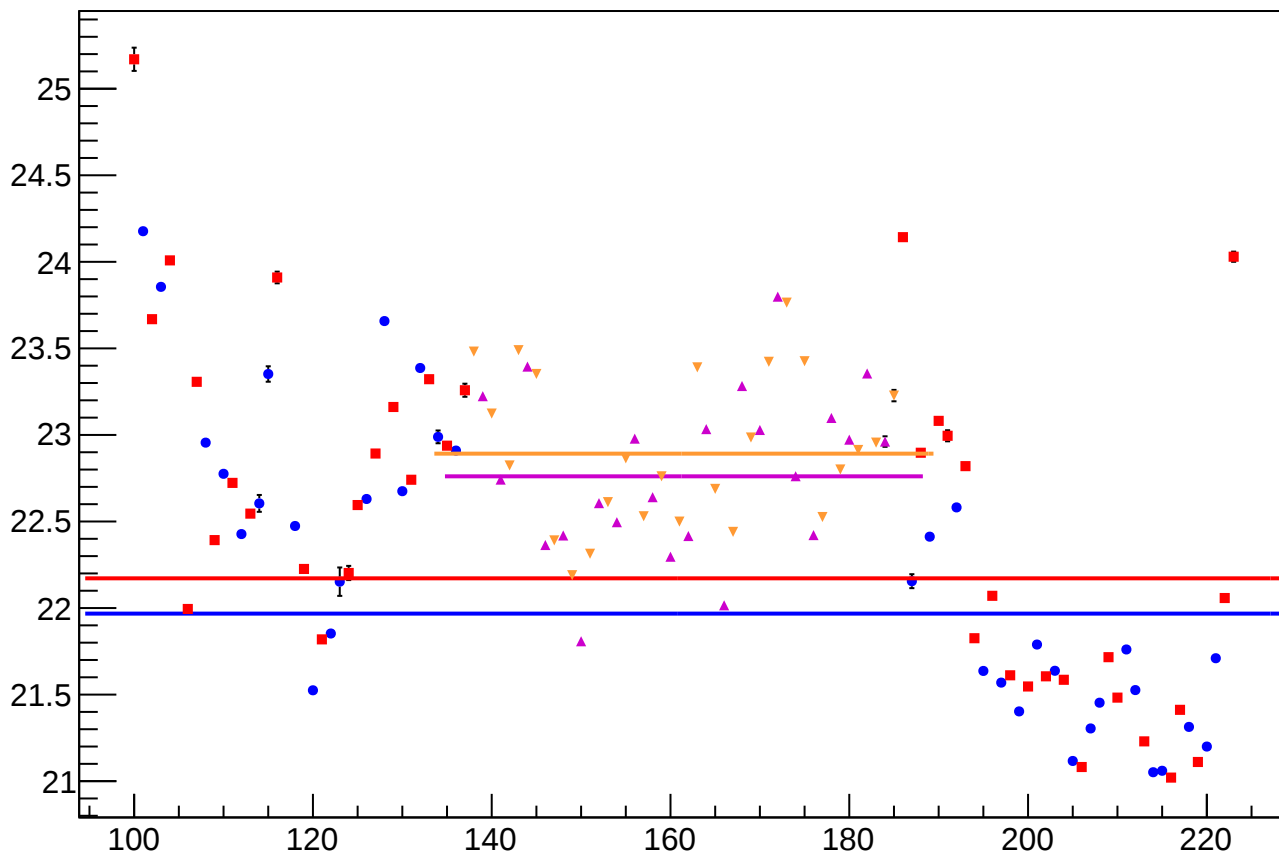
Left In: -5.261 ± 5.465 χ^2/NDF : 20.8/22

+ sign 3.242 ± 3.616 χ^2/NDF : 67.4/59

All: -3.740 ± 2.564 χ^2/NDF : 134.2/121

- sign -10.800 ± 3.637 χ^2/NDF : 59.3/61

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 21.968 $\pm$ 0.003 χ^2 /NDF: 54158.9/34

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF:12995.5/24

Right Out: 22.172 $\pm$ 0.003 χ^2 /NDF: 63083.7/38

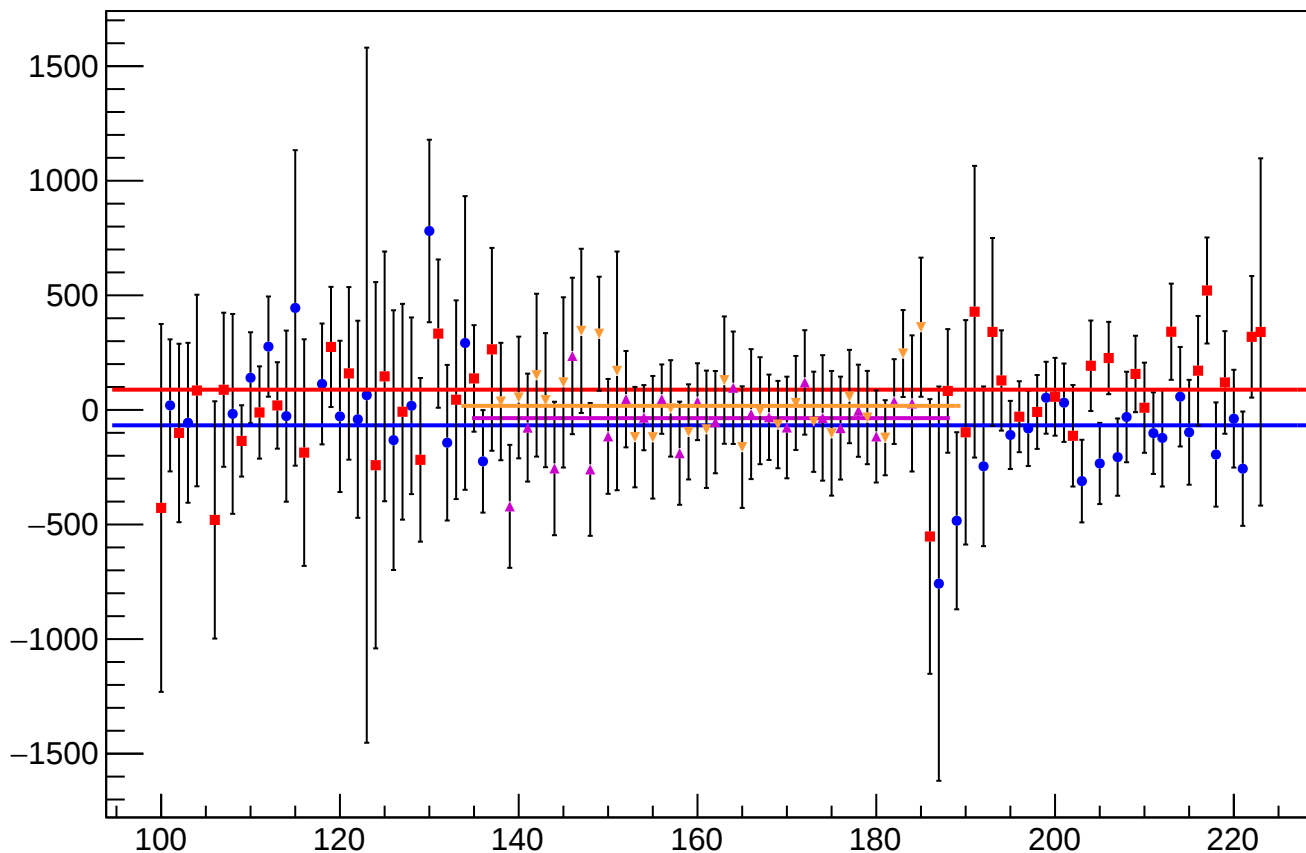
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14550.0/22

+ sign 22.393 $\pm$ 0.003 χ^2 /NDF: 99584.9/59

All: 22.413 $\pm$ 0.002 χ^2 /NDF: 190297.1/121

- sign 22.433 $\pm$ 0.003 χ^2 /NDF: 90590.7/61

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -67.236 ± 40.617 $\chi^2/\text{NDF}: 18.0/34$

Left Out: 17.777 ± 47.941 $\chi^2/\text{NDF}: 8.5/24$

Right Out: 88.358 ± 40.498 $\chi^2/\text{NDF}: 18.0/38$

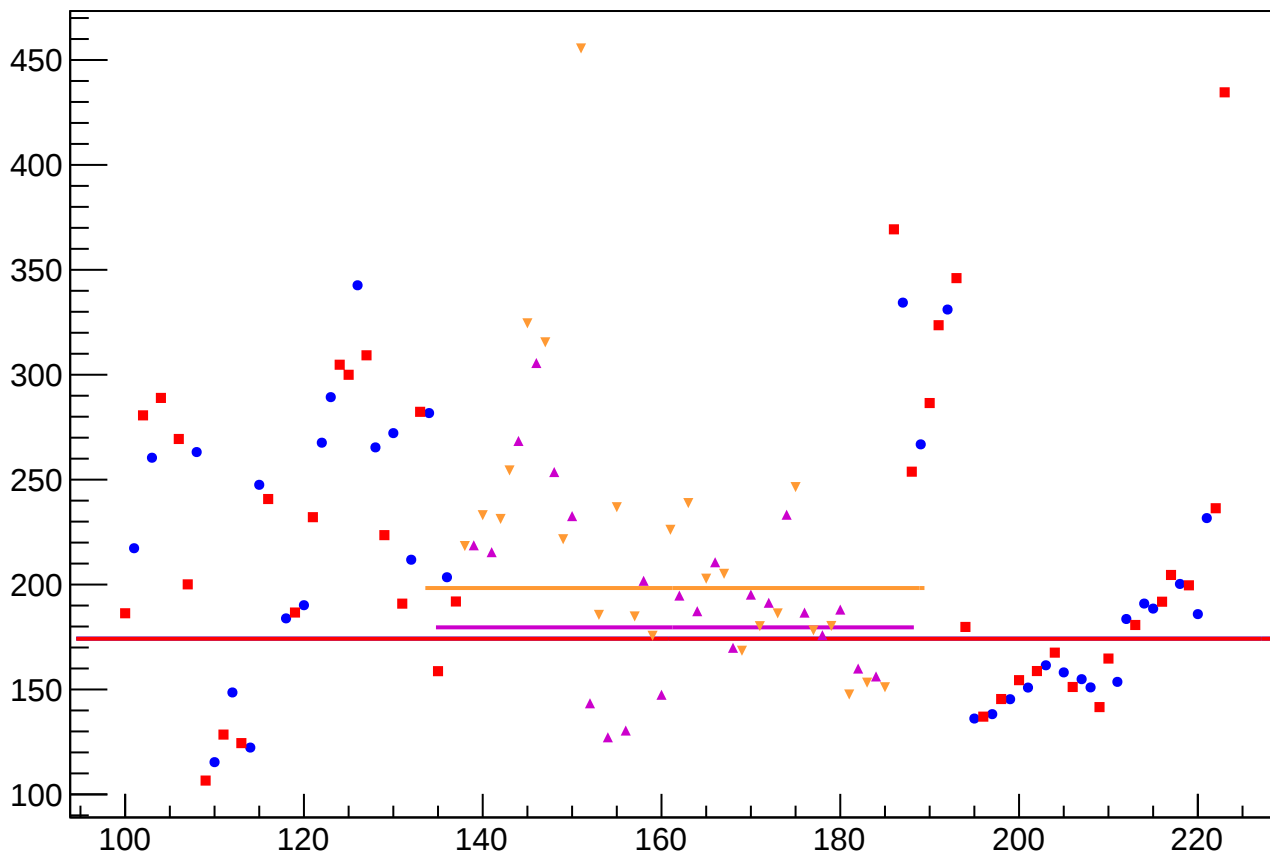
Left In: -35.879 ± 45.087 $\chi^2/\text{NDF}: 6.3/22$

+ sign -31.714 ± 30.990 $\chi^2/\text{NDF}: 28.4/59$

All: 1.494 ± 21.602 $\chi^2/\text{NDF}: 59.2/121$

- sign 32.882 ± 30.129 $\chi^2/\text{NDF}: 28.5/61$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.243 $\pm$ 0.029 χ^2 /NDF: 2343289.4/34

Left Out: 198.344 $\pm$ 0.034 χ^2 /NDF: 1757450.6/24

Right Out: 174.179 $\pm$ 0.029 χ^2 /NDF: 3307426.7/38

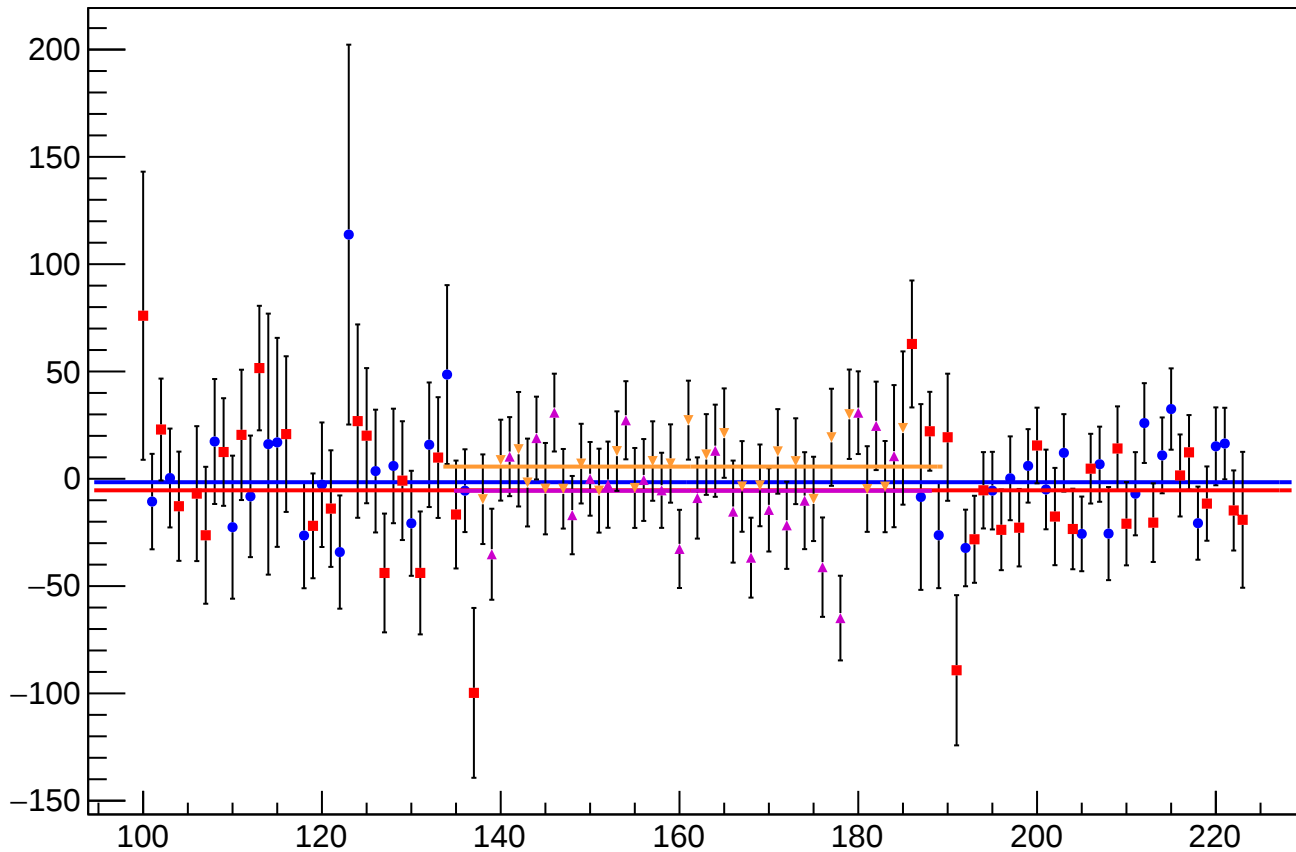
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF: 1575744.0/22

+ sign 184.313 $\pm$ 0.022 χ^2 /NDF: 4394987.5/59

All: 180.349 $\pm$ 0.015 χ^2 /NDF: 9357855.7/123

- sign 176.602 $\pm$ 0.021 χ^2 /NDF: 4899202.8/61

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.592 ± 3.732 χ^2/NDF : 25.6/34

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: -5.372 ± 3.705 χ^2/NDF : 44.9/38

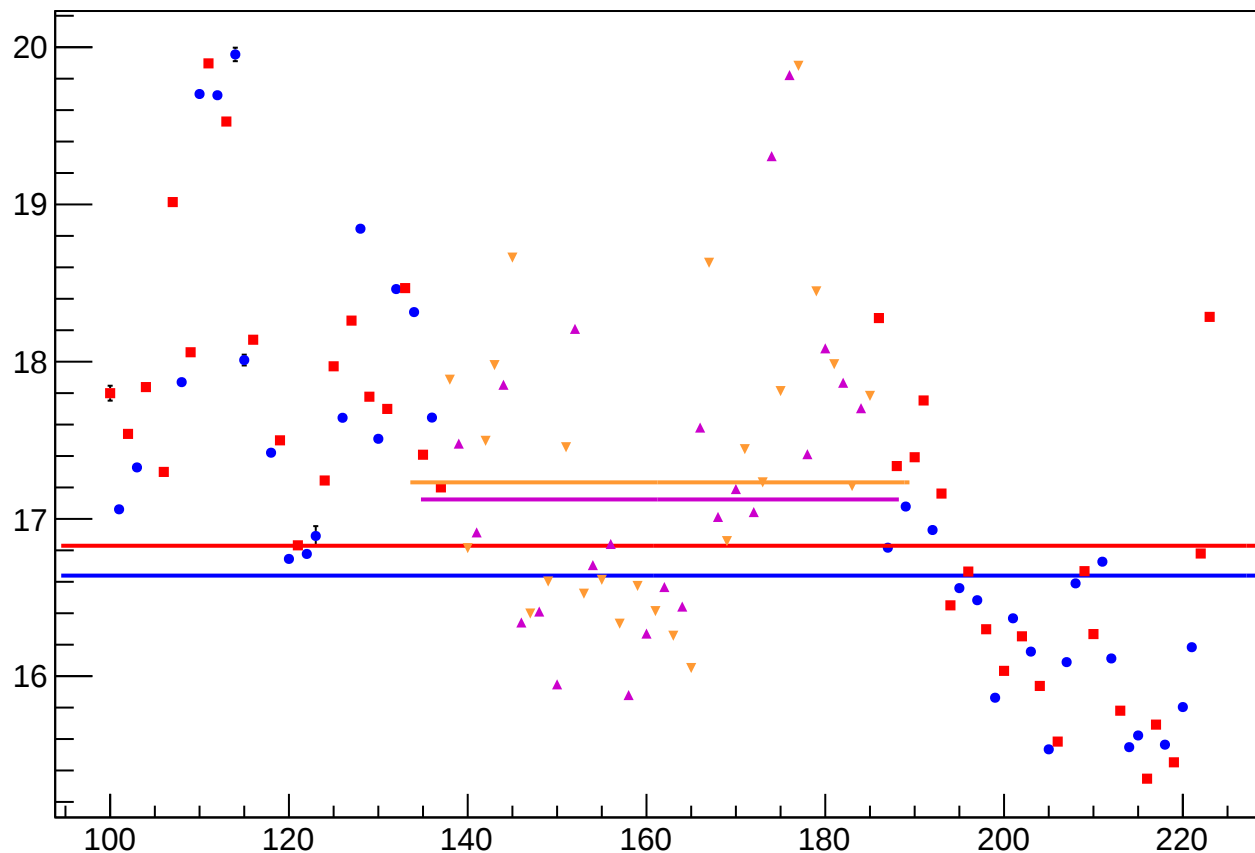
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 1.771 ± 2.736 χ^2/NDF : 35.1/59

All: -1.825 ± 1.941 χ^2/NDF : 119.9/121

- sign -5.472 ± 2.755 χ^2/NDF : 81.3/61

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.639 $\pm$ 0.003 χ^2 /NDF: 137261.4/34

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF:98701.0/24

Right Out: 16.829 $\pm$ 0.003 χ^2 /NDF: 161497.0/38

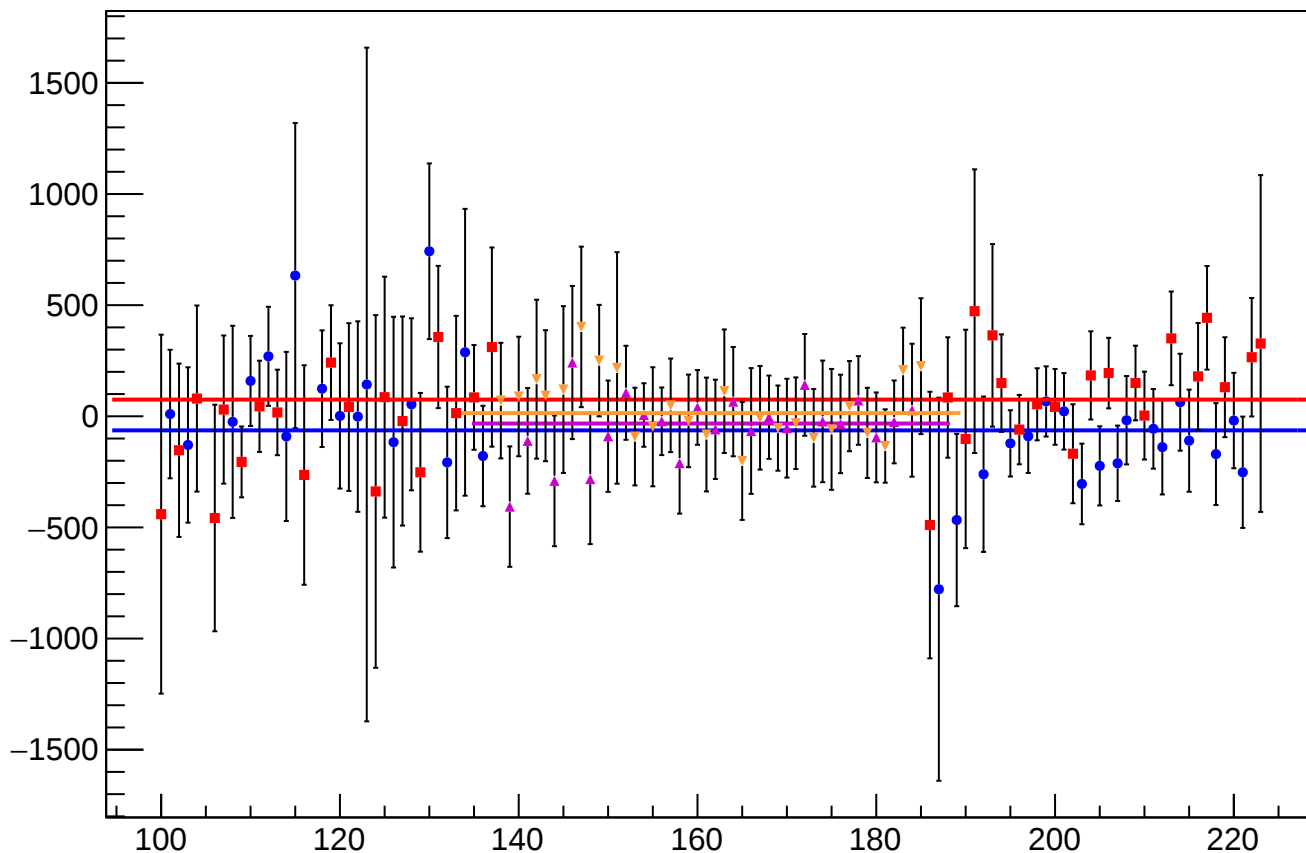
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF:100747.0/22

+ sign 16.914 $\pm$ 0.002 χ^2 /NDF: 259316.4/59

All: 16.937 $\pm$ 0.001 χ^2 /NDF: 527500.9/121

- sign 16.961 $\pm$ 0.002 χ^2 /NDF: 267888.9/61

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -63.342 ± 40.852 χ^2/NDF : 18.1/34

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 75.133 ± 40.770 χ^2/NDF : 18.5/38

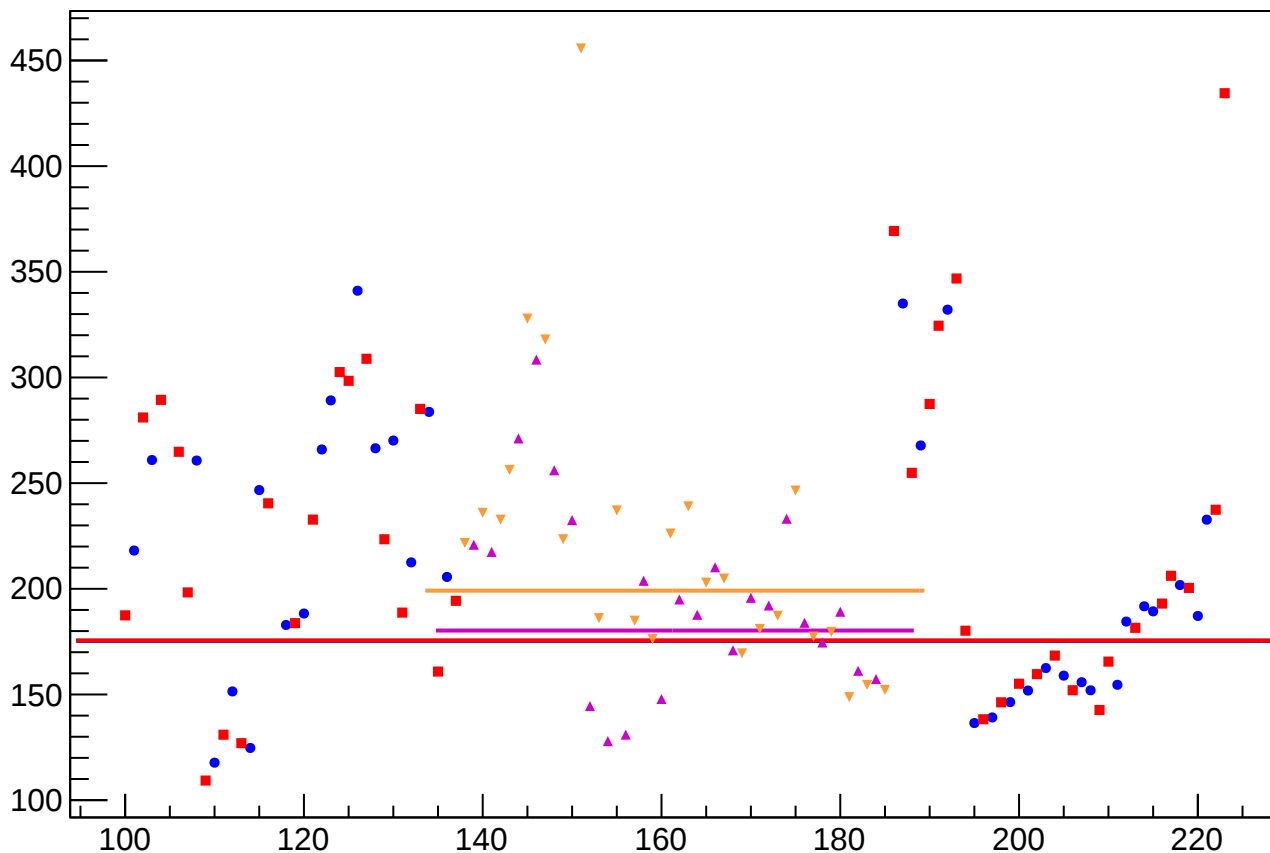
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign -30.803 ± 31.145 χ^2/NDF : 26.5/59

All: -1.162 ± 21.714 χ^2/NDF : 56.6/121

- sign 26.872 ± 30.289 χ^2/NDF : 28.3/61

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.367 $\pm$ 0.029 χ^2 /NDF: 2292977.5/34

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF: 1760298.1/24

Right Out: 175.588 $\pm$ 0.029 χ^2 /NDF: 3207256.7/38

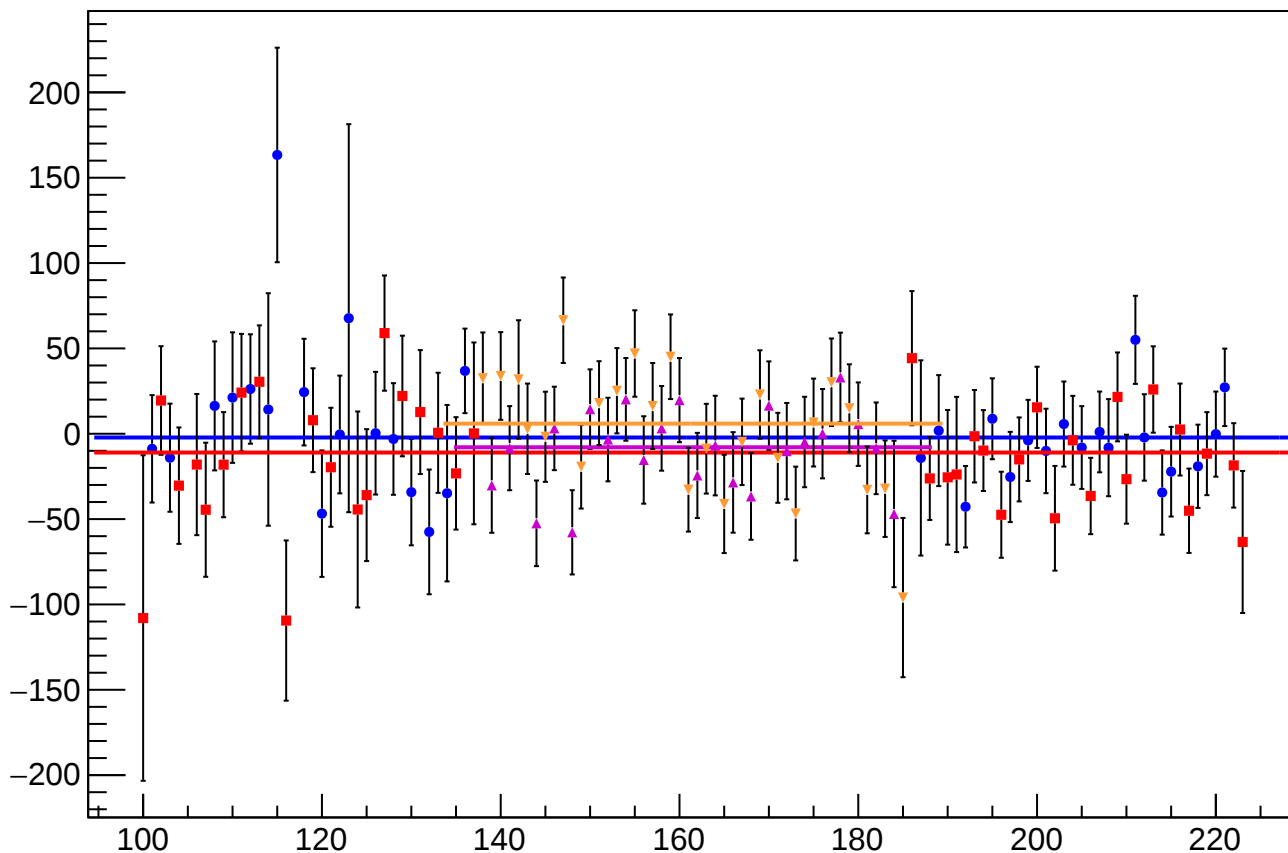
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF: 1580553.5/22

+ sign 185.320 $\pm$ 0.022 χ^2 /NDF: 4336799.8/59

All: 181.393 $\pm$ 0.015 χ^2 /NDF: 9198216.8/123

- sign 177.680 $\pm$ 0.021 χ^2 /NDF: 4799560.6/61

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.195 ± 4.979 χ^2/NDF : 31.0/34

Left Out: 5.937 ± 5.285 χ^2/NDF : 36.1/24

Right Out: -11.007 ± 4.913 χ^2/NDF : 34.1/38

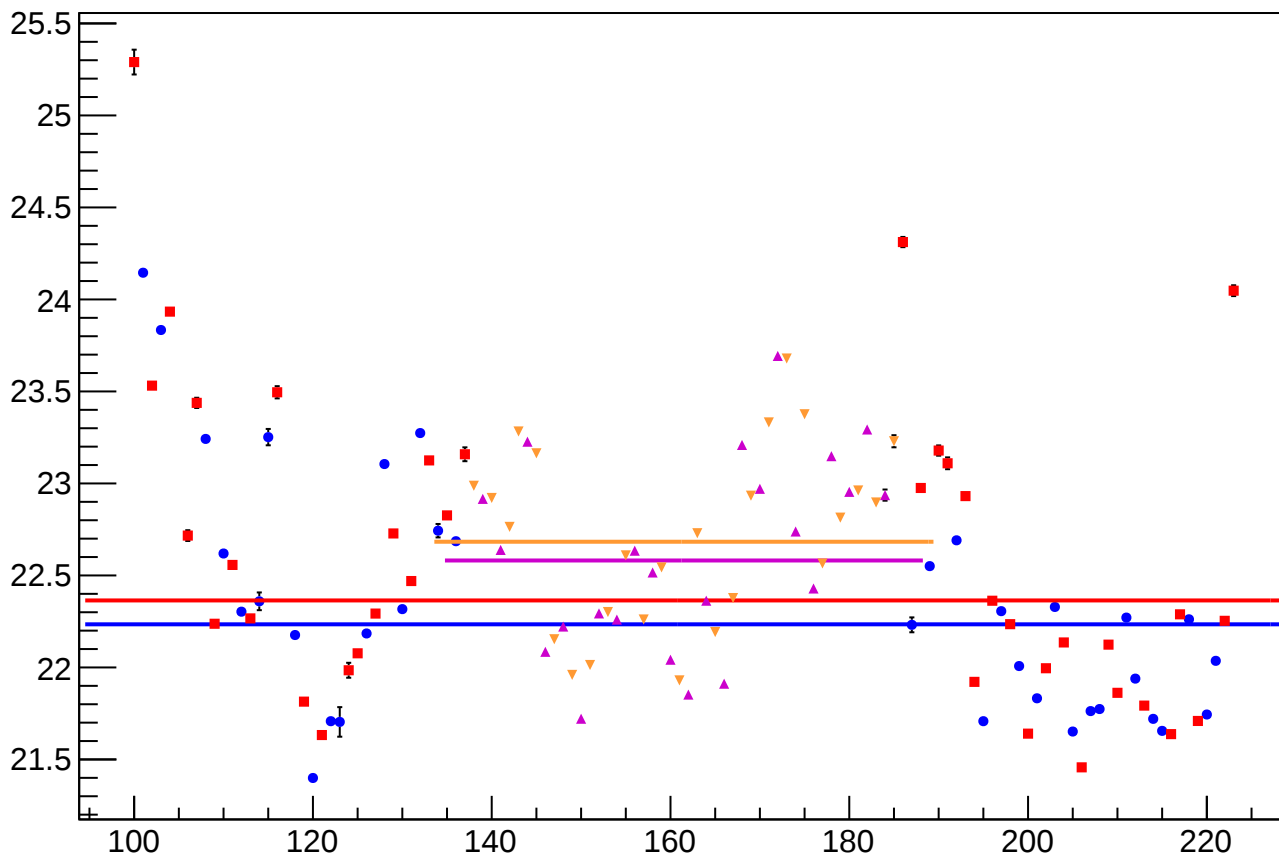
Left In: -7.915 ± 5.422 χ^2/NDF : 18.7/22

+ sign 1.629 ± 3.624 χ^2/NDF : 68.4/59

All: -3.966 ± 2.568 χ^2/NDF : 126.1/121

- sign -9.613 ± 3.641 χ^2/NDF : 53.0/61

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.234 $\pm$ 0.004 χ^2 /NDF: 28266.0/34

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16320.2/24

Right Out: 22.364 $\pm$ 0.003 χ^2 /NDF: 38423.7/38

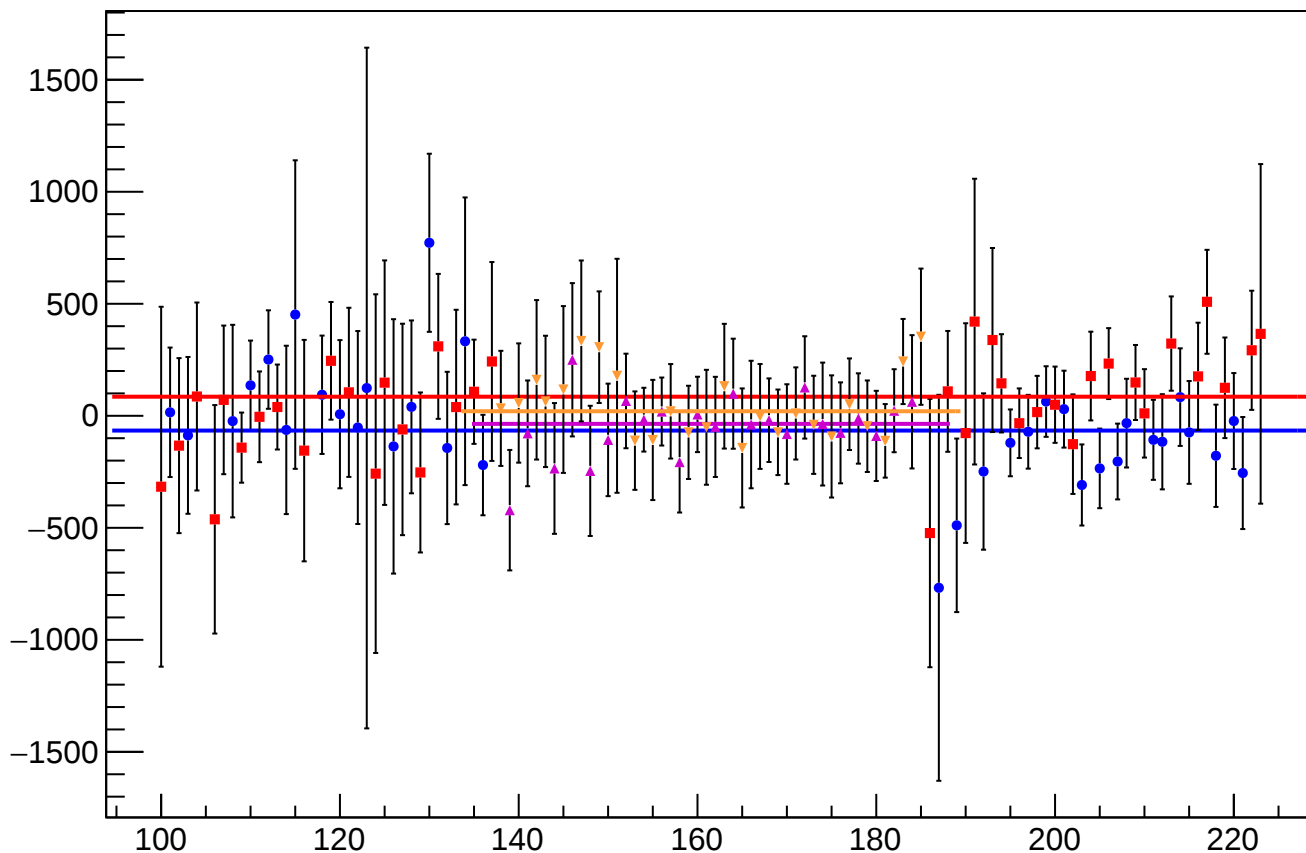
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.445 $\pm$ 0.003 χ^2 /NDF: 52228.1/59

All: 22.454 $\pm$ 0.002 χ^2 /NDF: 110338.8/121

- sign 22.462 $\pm$ 0.003 χ^2 /NDF: 58089.6/61

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -65.870 ± 40.740 χ^2/NDF : 17.7/34

Left Out: 20.306 ± 48.049 χ^2/NDF : 7.7/24

Right Out: 85.244 ± 40.608 χ^2/NDF : 17.0/38

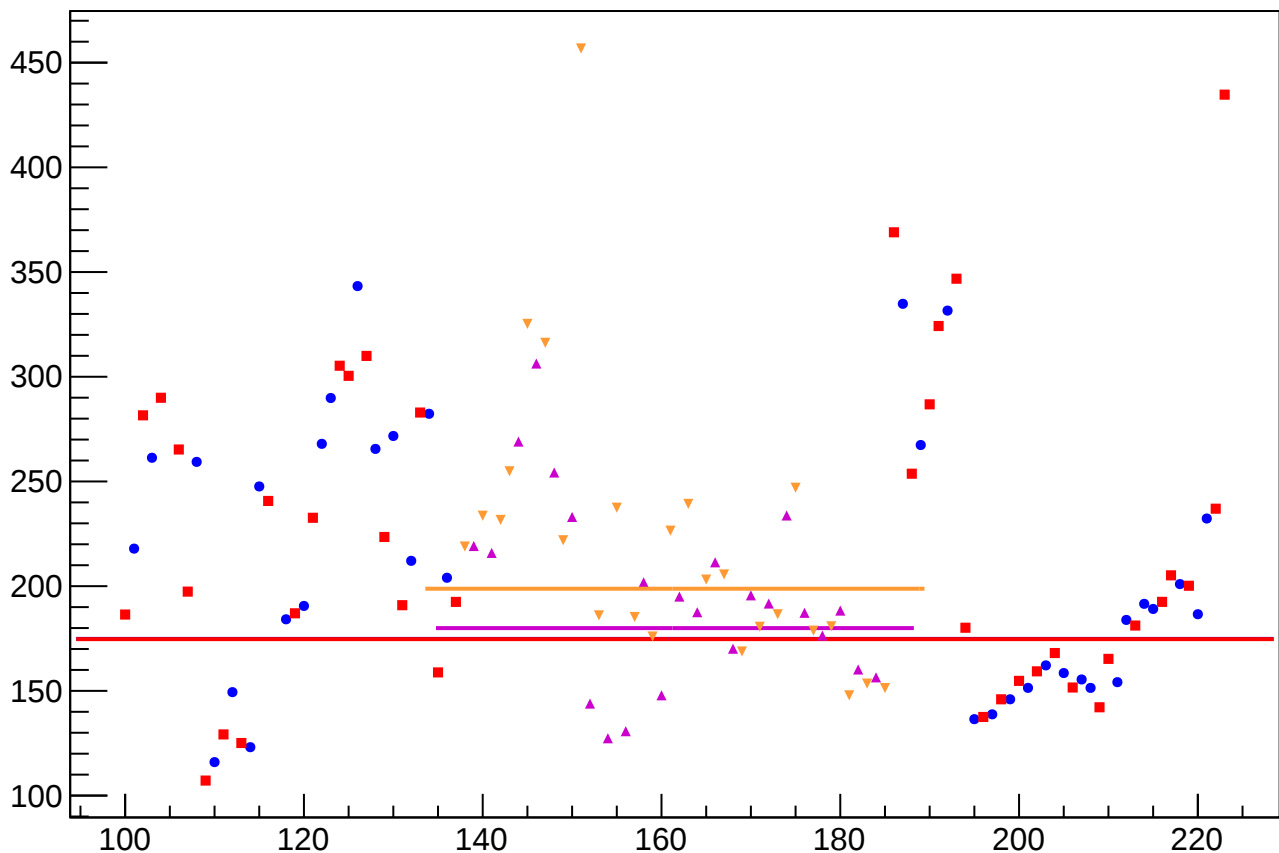
Left In: -35.996 ± 45.180 χ^2/NDF : 6.1/22

+ sign -29.828 ± 31.074 χ^2/NDF : 27.3/59

All: 1.486 ± 21.657 χ^2/NDF : 56.3/121

- sign 31.068 ± 30.201 χ^2/NDF : 27.0/61

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.817+/-0.029 χ^2/NDF : 2324183.0/34

Left Out: 198.784+/-0.034 χ^2/NDF :1758481.8/24

Right Out: 174.710+/-0.029 χ^2/NDF : 3280648.3/38

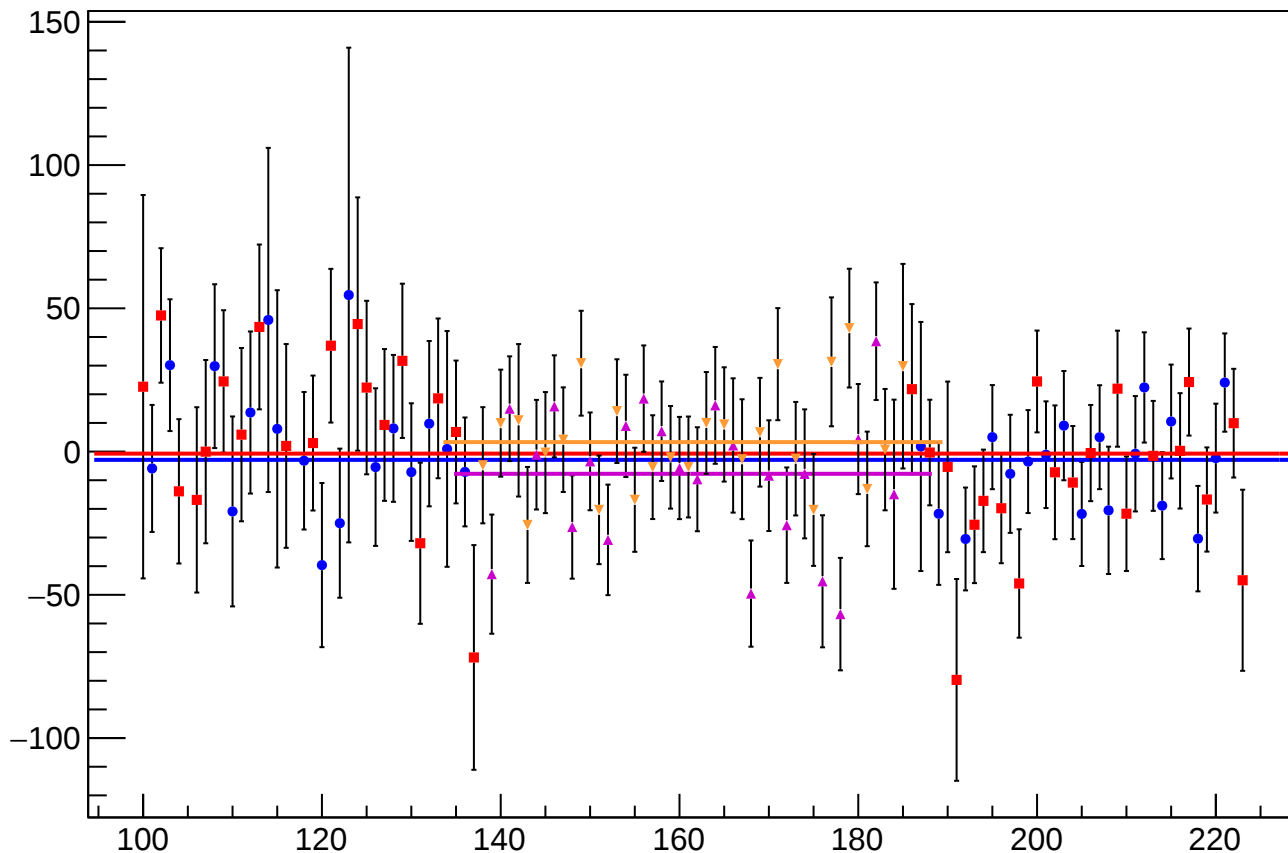
Left In: 179.972+/-0.032 χ^2/NDF :1575888.3/22

+ sign 184.841+/-0.022 χ^2/NDF : 4372164.8/59

All: 180.841+/-0.015 χ^2/NDF : 9308169.2/123

- sign 177.062+/-0.021 χ^2/NDF : 4871544.2/61

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.885 ± 3.810 $\chi^2/\text{NDF}: 21.2/34$

Left Out: 3.307 ± 3.954 $\chi^2/\text{NDF}: 18.7/24$

Right Out: -0.709 ± 3.763 $\chi^2/\text{NDF}: 42.8/38$

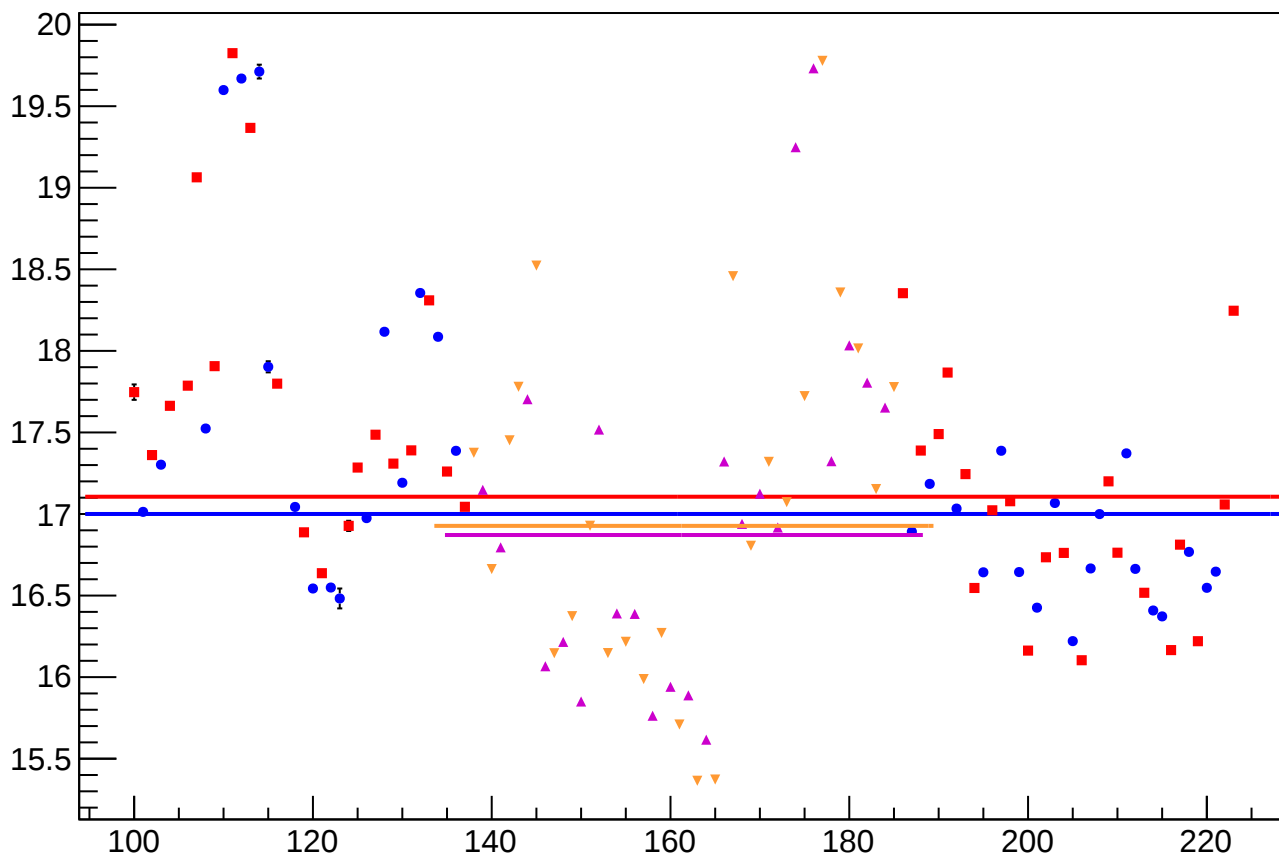
Left In: -7.756 ± 4.061 $\chi^2/\text{NDF}: 34.3/22$

+ sign 0.097 ± 2.744 $\chi^2/\text{NDF}: 41.1/59$

All: -1.922 ± 1.946 $\chi^2/\text{NDF}: 121.0/121$

- sign -3.965 ± 2.760 $\chi^2/\text{NDF}: 78.7/61$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.000 $\pm$ 0.003 χ^2 /NDF: 63927.7/34

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.106 $\pm$ 0.003 χ^2 /NDF: 82526.6/38

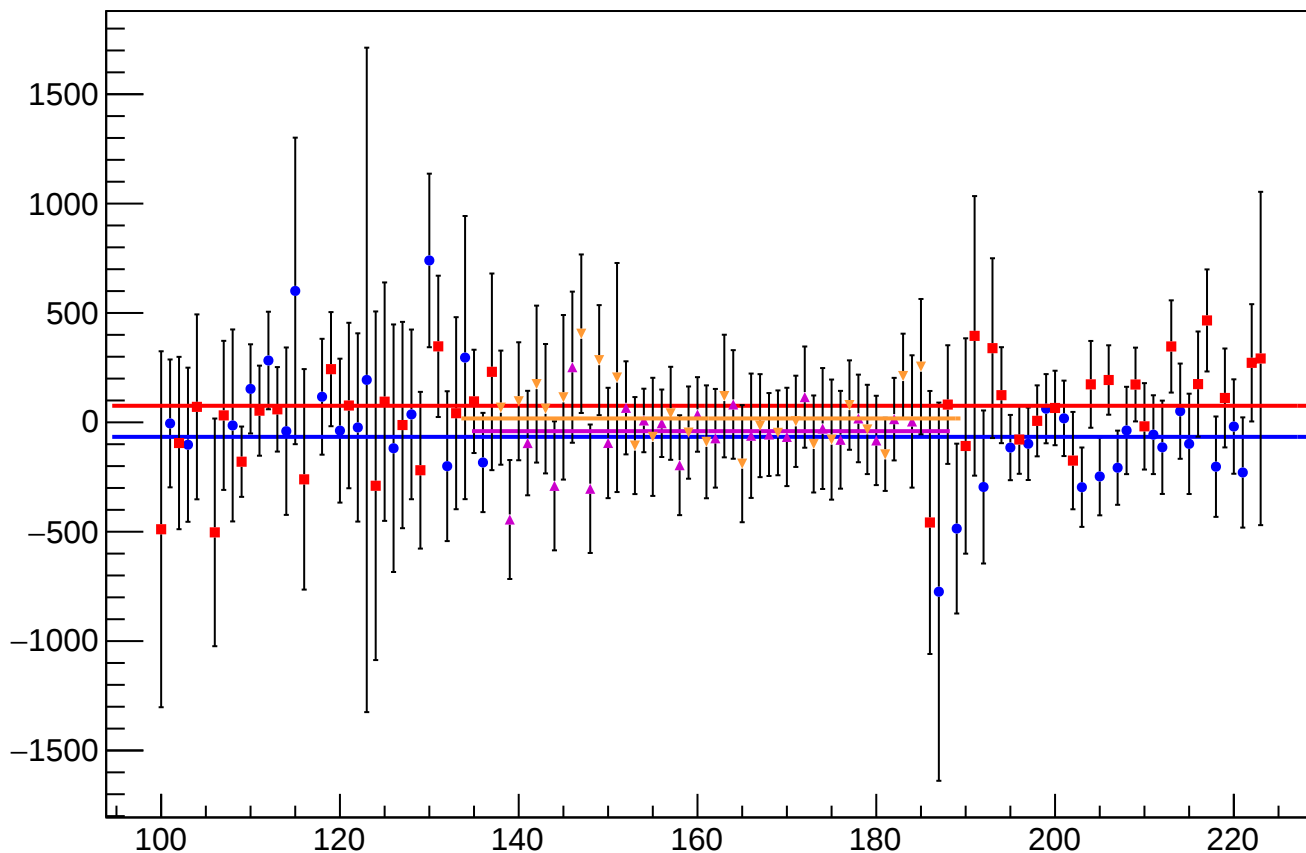
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 16.965 $\pm$ 0.002 χ^2 /NDF: 202813.2/59

All: 16.981 $\pm$ 0.001 χ^2 /NDF: 407068.0/121

- sign 16.998 $\pm$ 0.002 χ^2 /NDF: 204115.3/61

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -66.350 ± 40.964 χ^2/NDF : 17.9/34

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 75.718 ± 40.901 χ^2/NDF : 17.8/38

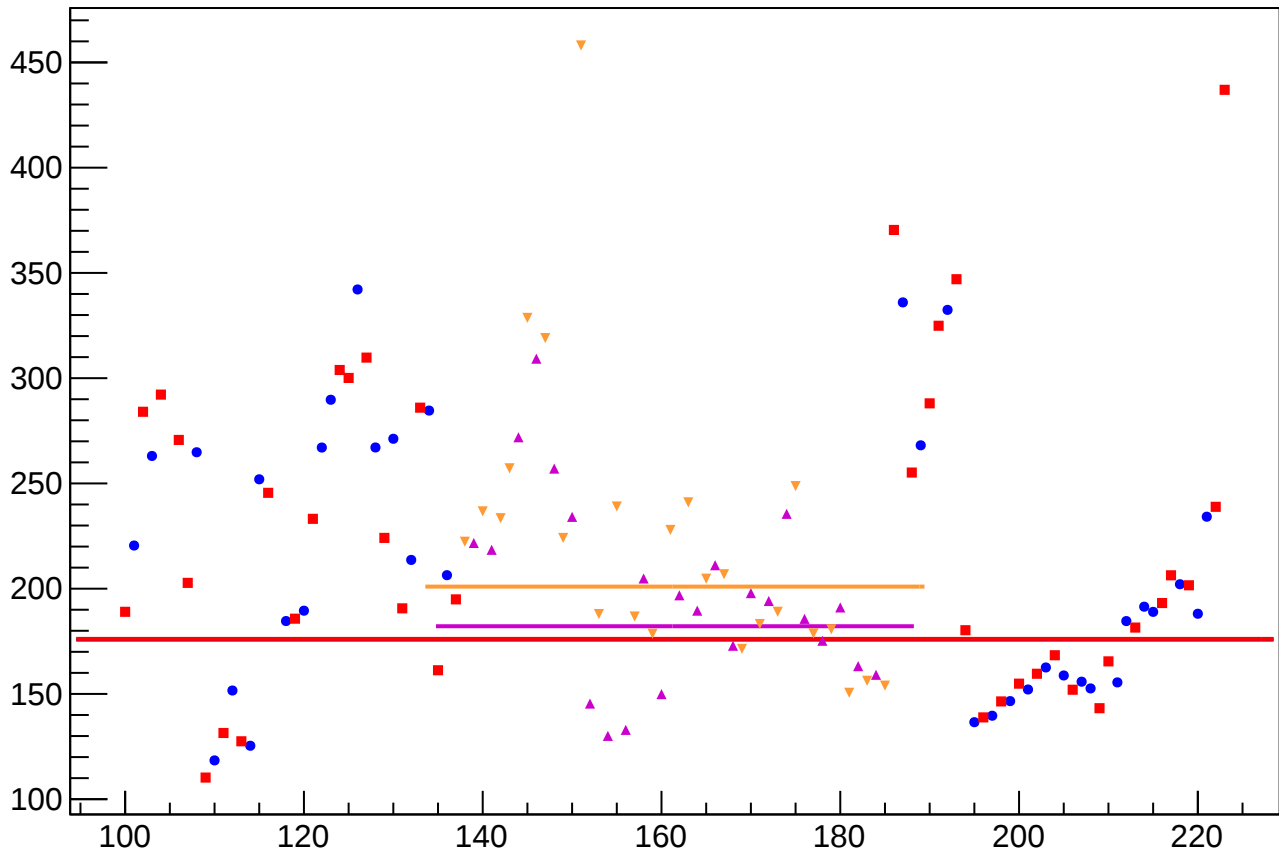
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign -31.341 ± 31.308 χ^2/NDF : 27.1/59

All: -2.883 ± 21.837 χ^2/NDF : 56.7/121

- sign 24.080 ± 30.474 χ^2/NDF : 28.0/61

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.825 $\pm$ 0.029 χ^2 /NDF: 2307699.8/34

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF: 1727291.4/24

Right Out: 176.148 $\pm$ 0.029 χ^2 /NDF: 3219791.6/38

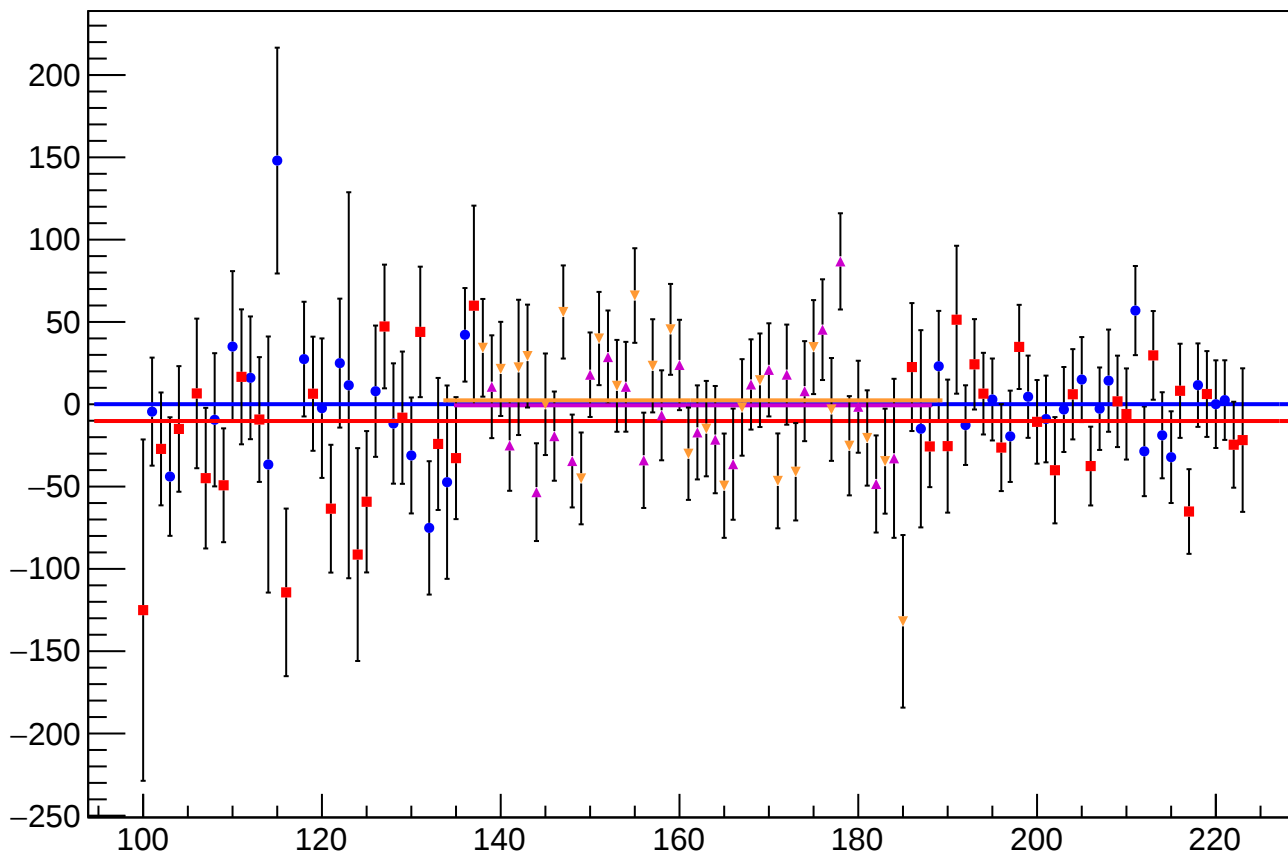
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF: 1535922.8/22

+ sign 186.289 $\pm$ 0.022 χ^2 /NDF: 4348780.4/59

All: 182.454 $\pm$ 0.015 χ^2 /NDF: 9182129.4/123

- sign 178.822 $\pm$ 0.022 χ^2 /NDF: 4774929.4/61

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.053 ± 5.352 χ^2/NDF : 25.1/34

Left Out: 2.390 ± 5.980 χ^2/NDF : 39.1/24

Right Out: -10.179 ± 5.261 χ^2/NDF : 38.5/38

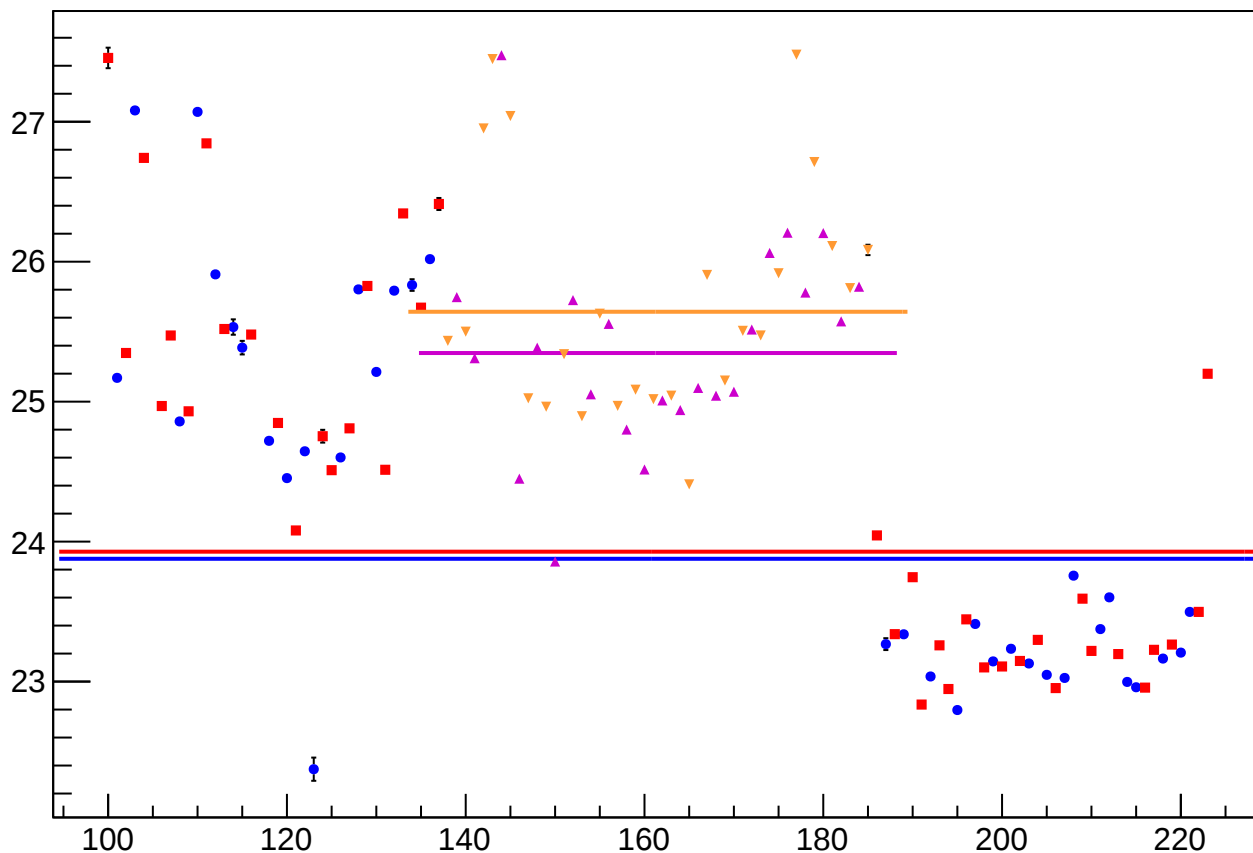
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 1.092 ± 3.988 χ^2/NDF : 64.3/59

All: -2.512 ± 2.818 χ^2/NDF : 133.1/121

- sign -6.104 ± 3.982 χ^2/NDF : 67.2/61

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 23.877 ± 0.004 $\chi^2/\text{NDF}: 92536.5/34$

Left Out: 25.642 ± 0.004 $\chi^2/\text{NDF}: 34802.2/24$

Right Out: 23.928 ± 0.004 $\chi^2/\text{NDF}: 88148.7/38$

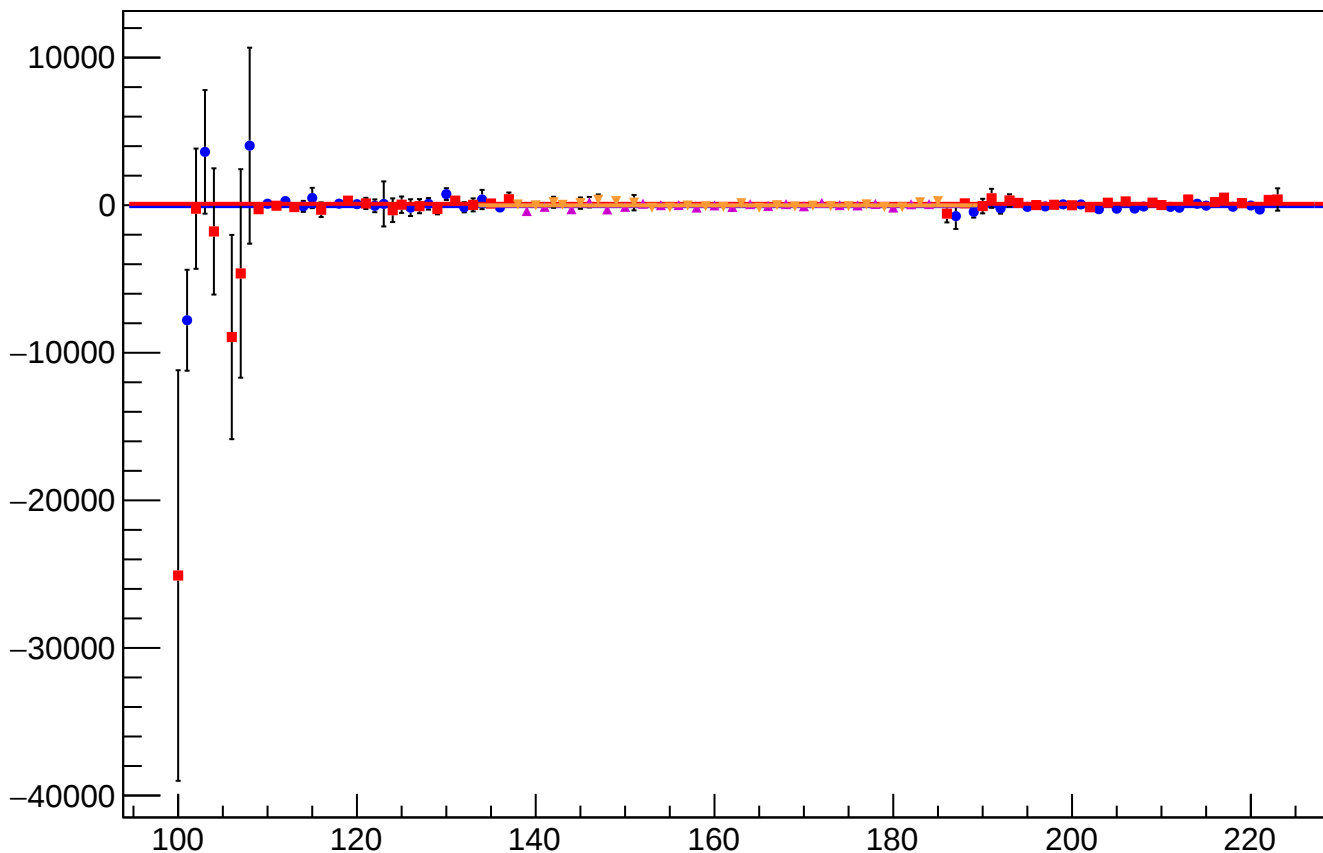
Left In: 25.347 ± 0.004 $\chi^2/\text{NDF}: 29389.5/22$

+ sign 24.662 ± 0.003 $\chi^2/\text{NDF}: 224084.2/59$

All: 24.598 ± 0.002 $\chi^2/\text{NDF}: 404842.4/121$

- sign 24.535 ± 0.003 $\chi^2/\text{NDF}: 179730.5/61$

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -64.721 $\pm$ 42.631 χ^2 /NDF: 23.2/34

Left Out: -11.432 $\pm$ 48.263 χ^2 /NDF: 8.0/24

Right Out: 92.911 $\pm$ 43.175 χ^2 /NDF: 25.6/38

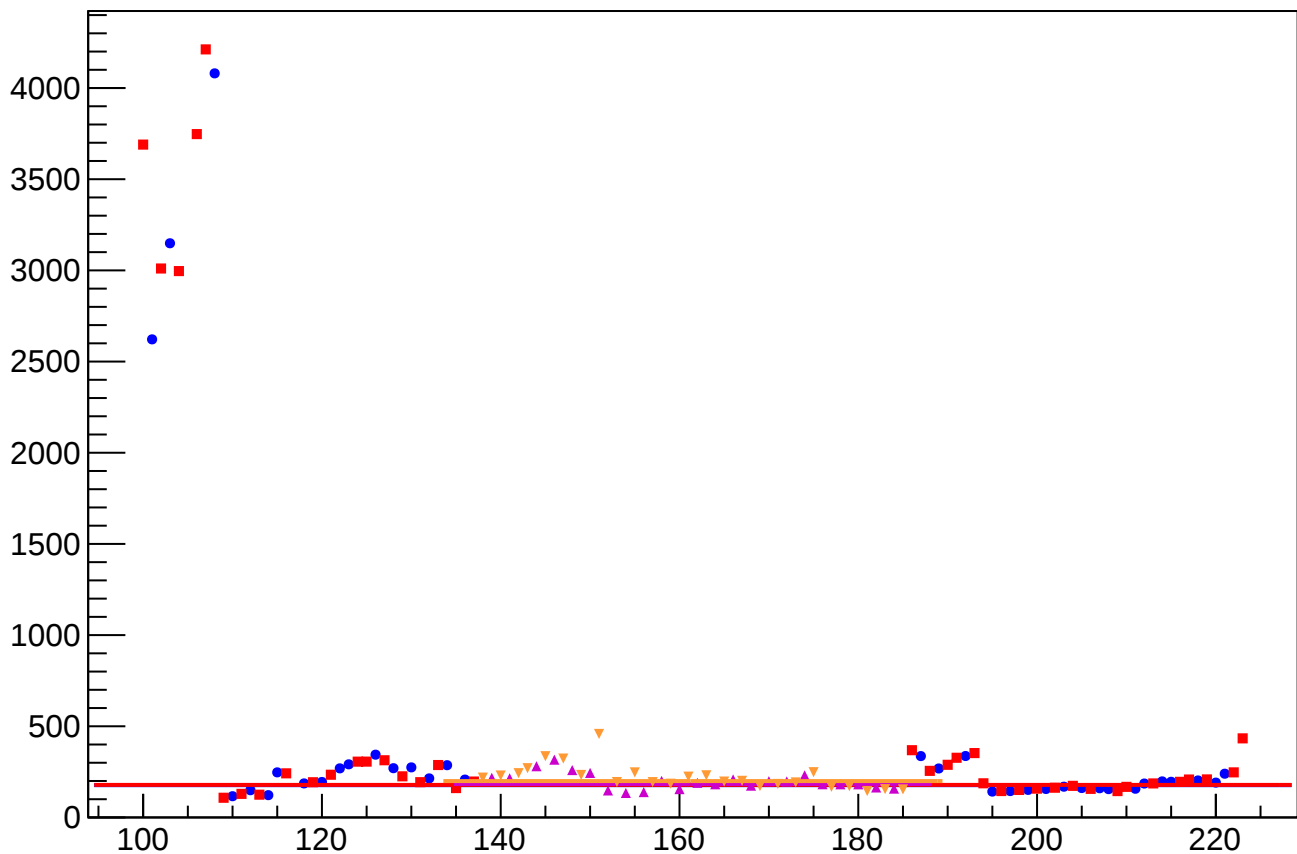
Left In: -27.098 $\pm$ 45.999 χ^2 /NDF: 7.2/22

+ sign -41.366 $\pm$ 31.951 χ^2 /NDF: 31.9/59

All: -1.752 $\pm$ 22.425 χ^2 /NDF: 71.3/121

- sign 36.703 $\pm$ 31.480 χ^2 /NDF: 36.4/61

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 177.088+/-0.030 χ^2/NDF : 4734011.5/34

Left Out: 199.438+/-0.034 χ^2/NDF : 1877848.7/24

Right Out: 178.497+/-0.031 χ^2/NDF : 5858178.4/38

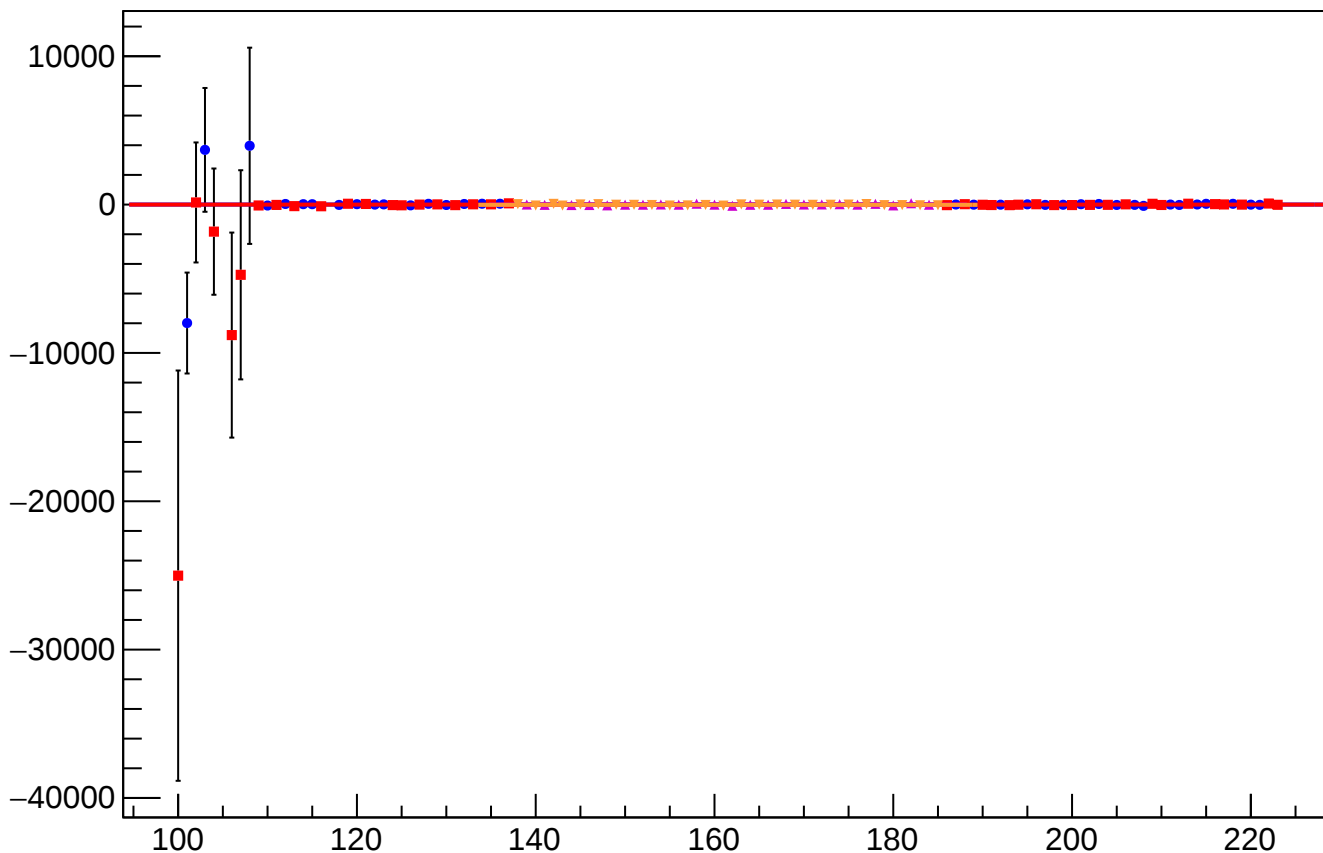
Left In: 183.805+/-0.033 χ^2/NDF : 1412869.6/22

+ sign 186.884+/-0.023 χ^2/NDF : 6852780.1/59

All: 183.890+/-0.016 χ^2/NDF : 14172599.1/12

- sign 180.983+/-0.022 χ^2/NDF : 7285207.5/61

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.301+/-6.426 χ^2/NDF : 35.8/34

Left Out: -18.118+/-6.704 χ^2/NDF : 21.7/24

Right Out: -1.270+/-6.434 χ^2/NDF : 43.4/38

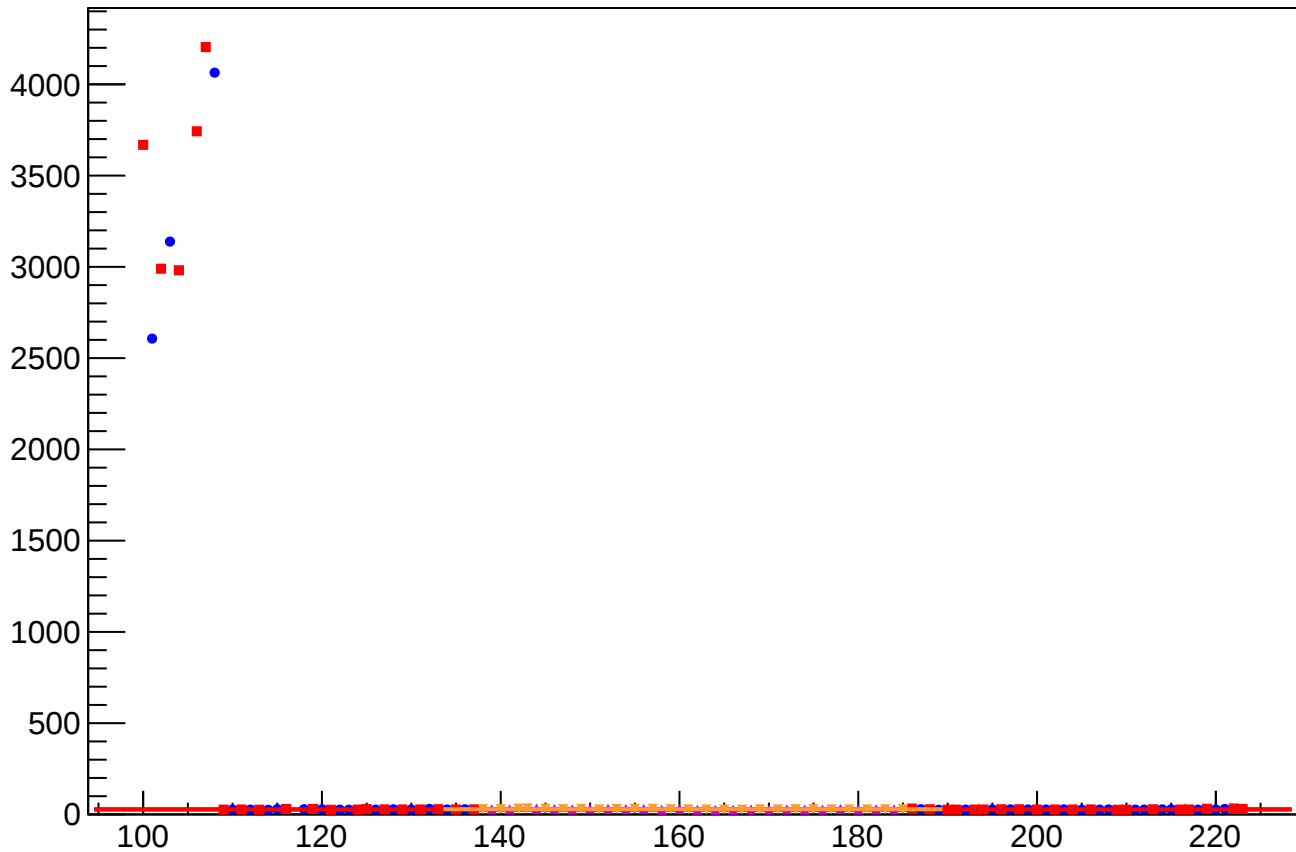
Left In: -1.267+/-6.908 χ^2/NDF : 32.0/22

+ sign -7.476+/-4.639 χ^2/NDF : 62.4/59

All: -4.419+/-3.304 χ^2/NDF : 138.7/121

- sign -1.269+/-4.708 χ^2/NDF : 75.4/61

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.569 $\pm$ 0.005 χ^2 /NDF: 3059359.7/34

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.762 $\pm$ 0.005 χ^2 /NDF: 3579768.1/38

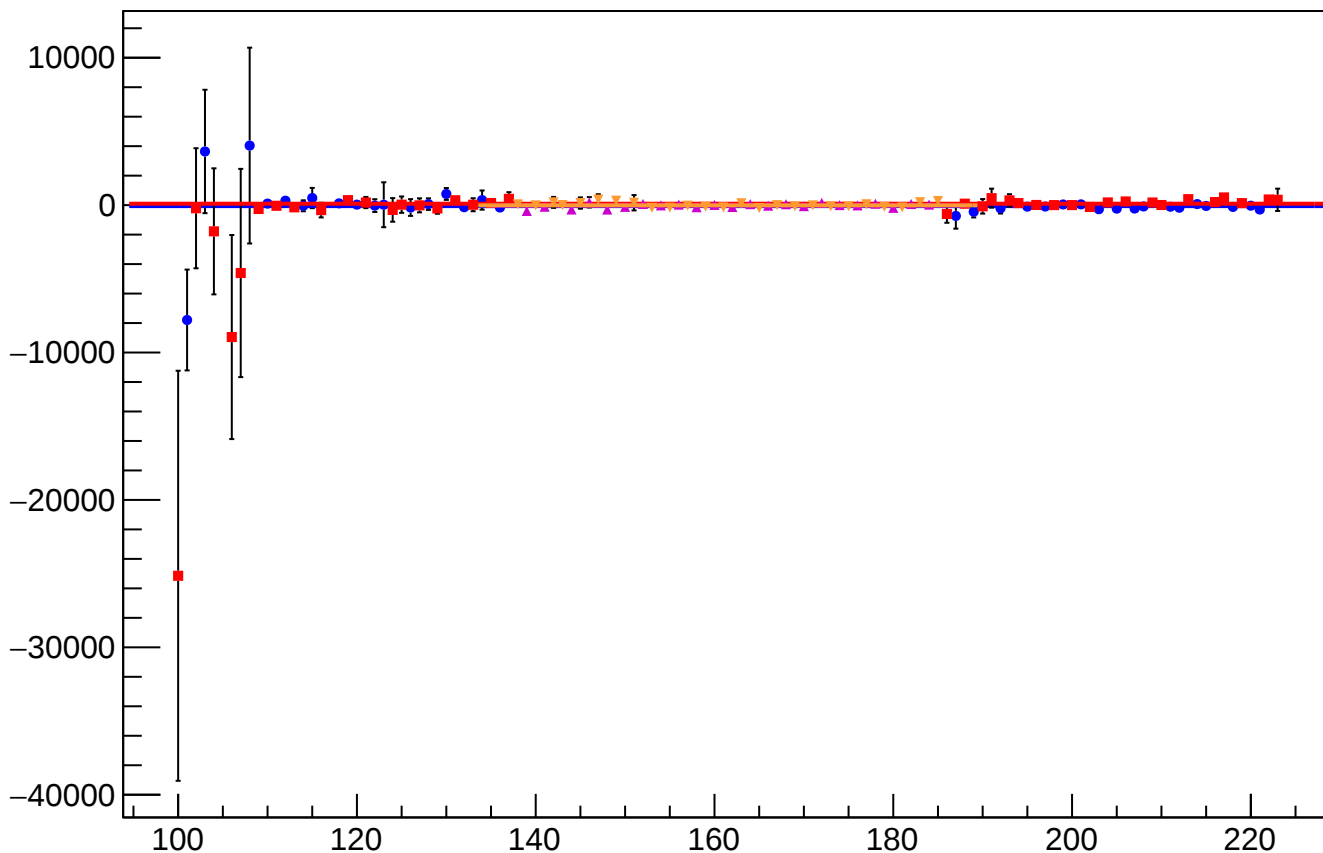
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.107 $\pm$ 0.003 χ^2 /NDF: 3199187.8/59

All: 28.146 $\pm$ 0.002 χ^2 /NDF: 6921856.8/121

- sign 28.187 $\pm$ 0.003 χ^2 /NDF: 3722380.9/61

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -66.503 ± 42.501 χ^2/NDF : 23.4/34

Left Out: -13.878 ± 48.155 χ^2/NDF : 8.8/24

Right Out: 95.722 ± 43.051 χ^2/NDF : 26.7/38

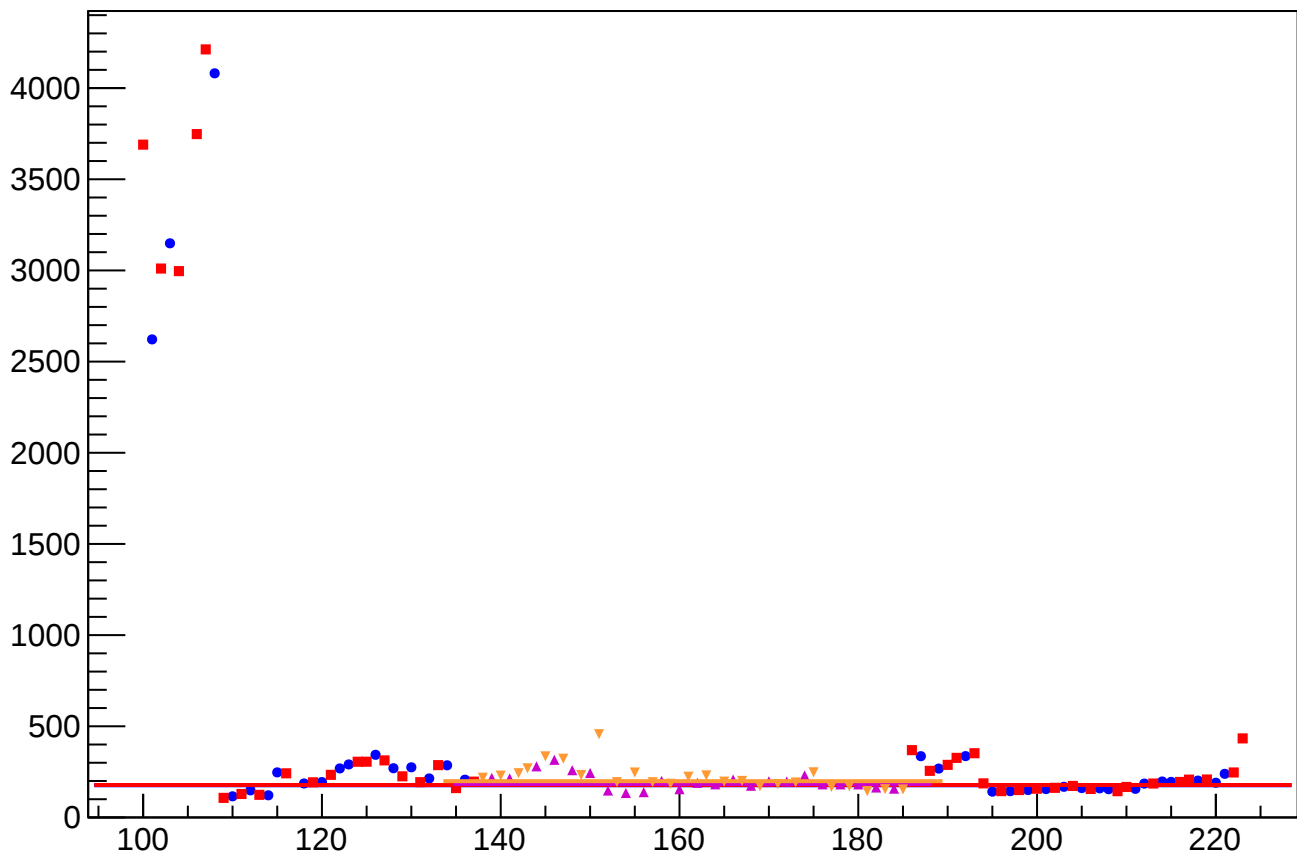
Left In: -27.286 ± 45.907 χ^2/NDF : 7.5/22

+ sign -43.460 ± 31.865 χ^2/NDF : 32.9/59

All: -2.052 ± 22.367 χ^2/NDF : 74.2/121

- sign 38.163 ± 31.403 χ^2/NDF : 38.0/61

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 176.511 $\pm$ 0.030 χ^2 /NDF: 4747812.9/34

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF:1877636.0/24

Right Out: 177.935 $\pm$ 0.030 χ^2 /NDF: 5877702.1/38

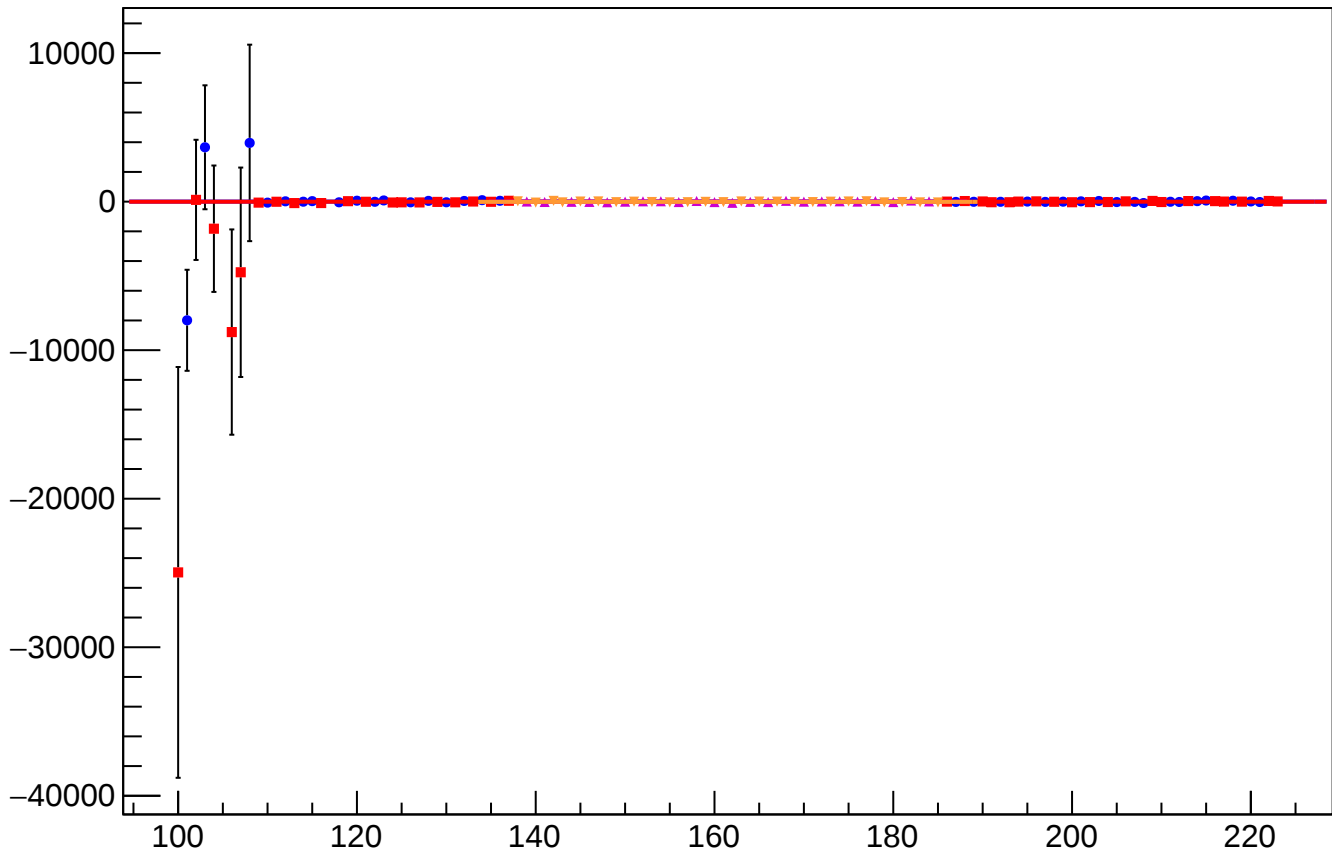
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF:1412341.8/22

+ sign 186.357 $\pm$ 0.023 χ^2 /NDF: 6870567.6/59

All: 183.391 $\pm$ 0.016 χ^2 /NDF: 14210067.8/12

- sign 180.511 $\pm$ 0.022 χ^2 /NDF: 7305357.5/61

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 3.896+/-6.382 χ^2/NDF : 45.8/34

Left Out: -15.829+/-6.733 χ^2/NDF :16.5/24

Right Out: -4.484+/-6.401 χ^2/NDF : 36.6/38

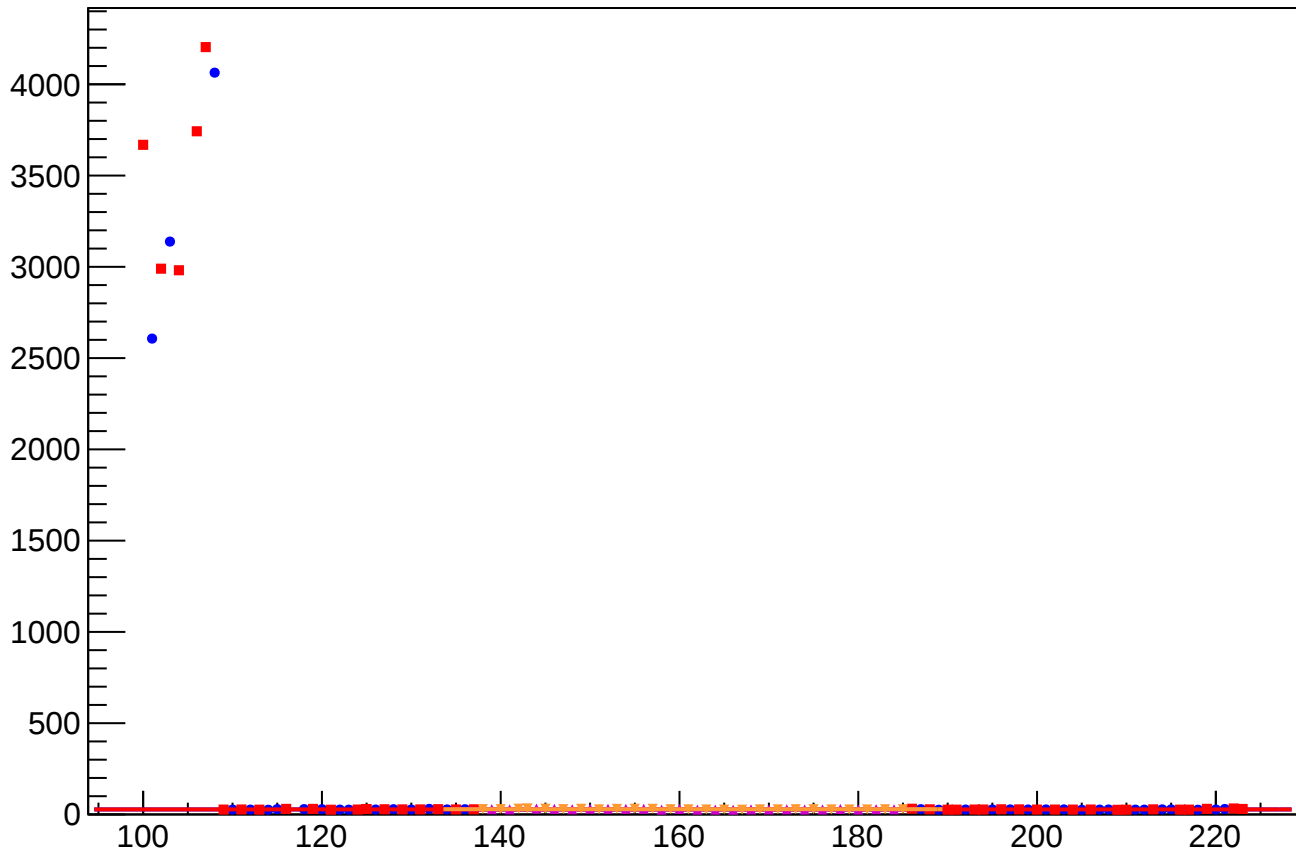
Left In: 0.498+/-6.937 χ^2/NDF :26.1/22

+ sign -5.438+/-4.632 χ^2/NDF : 66.8/59

All: -3.841+/-3.301 χ^2/NDF : 130.0/121

- sign -2.193+/-4.704 χ^2/NDF : 63.0/61

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.375 $\pm$ 0.005 χ^2 /NDF: 3070587.9/34

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.616 $\pm$ 0.005 χ^2 /NDF: 3586854.9/38

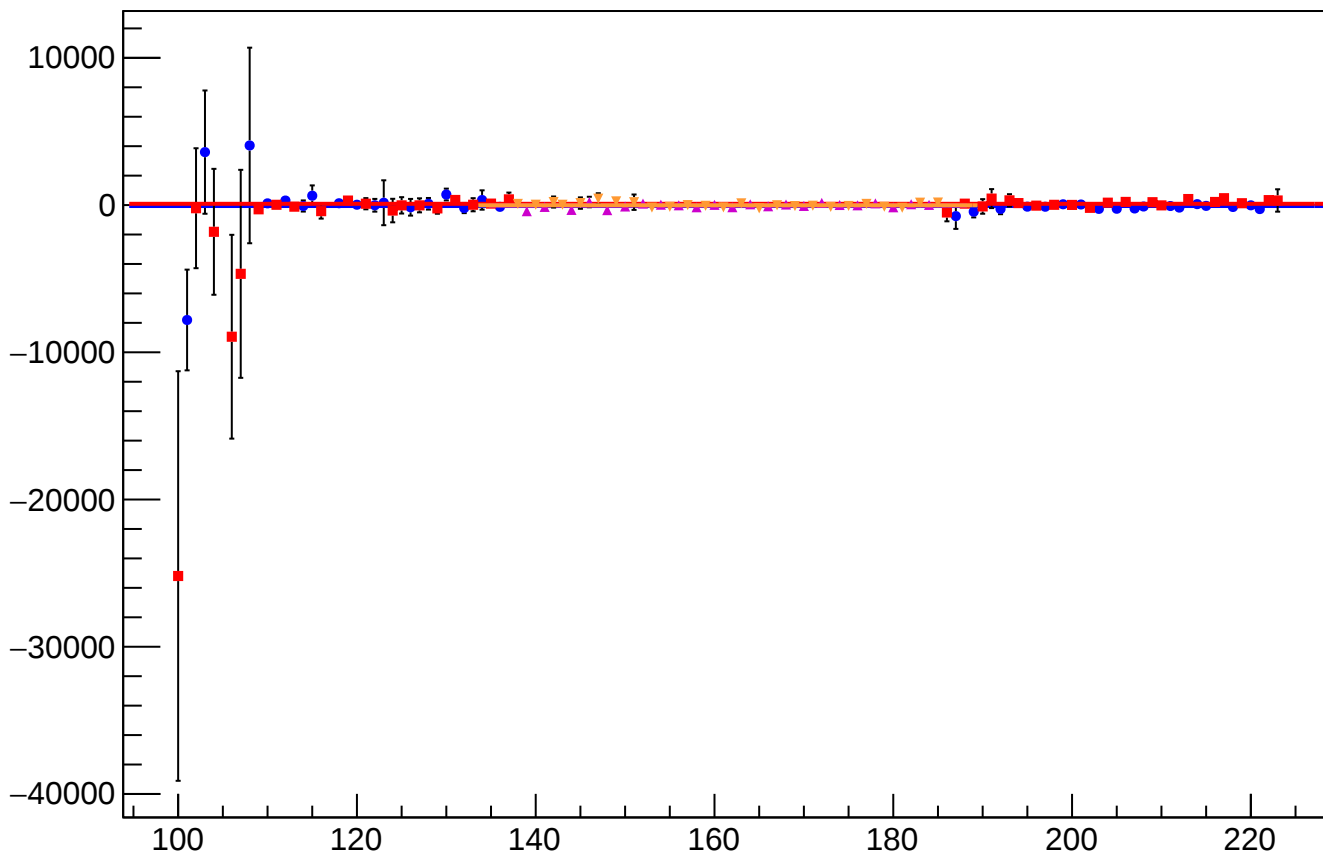
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.056 $\pm$ 0.003 χ^2 /NDF: 3240868.5/59

All: 28.107 $\pm$ 0.002 χ^2 /NDF: 6987801.8/121

- sign 28.159 $\pm$ 0.003 χ^2 /NDF: 3746444.0/61

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -64.298 ± 42.790 χ^2/NDF : 23.4/34

Left Out: -13.966 ± 48.735 χ^2/NDF : 8.1/24

Right Out: 85.922 ± 43.365 χ^2/NDF : 25.2/38

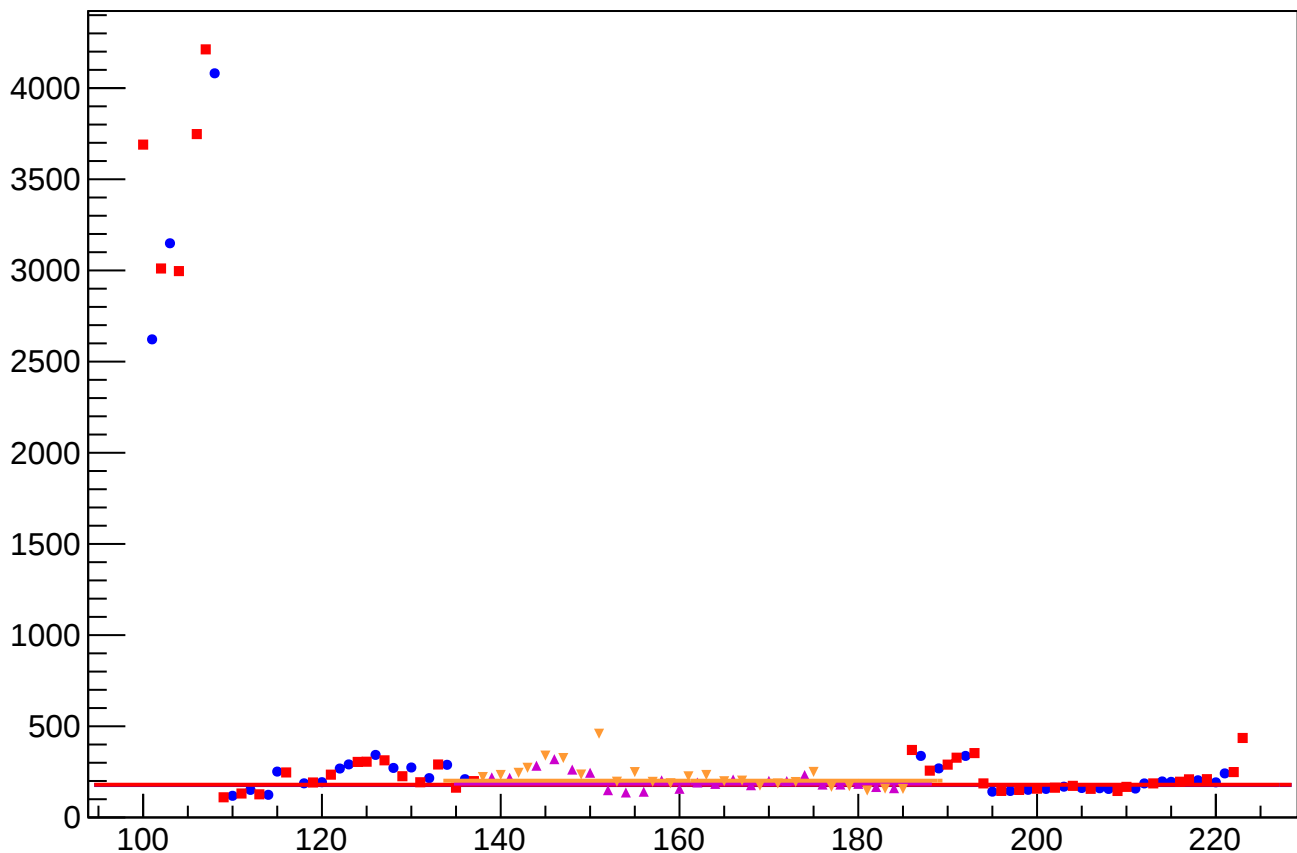
Left In: -31.477 ± 46.483 χ^2/NDF : 7.8/22

+ sign -42.388 ± 32.155 χ^2/NDF : 32.1/59

All: -5.033 ± 22.577 χ^2/NDF : 71.2/121

- sign 31.292 ± 31.709 χ^2/NDF : 36.5/61

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 177.799 $\pm$ 0.030 χ^2 /NDF: 4715225.6/34

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF:1854905.1/24

Right Out: 179.405 $\pm$ 0.031 χ^2 /NDF: 5817320.3/38

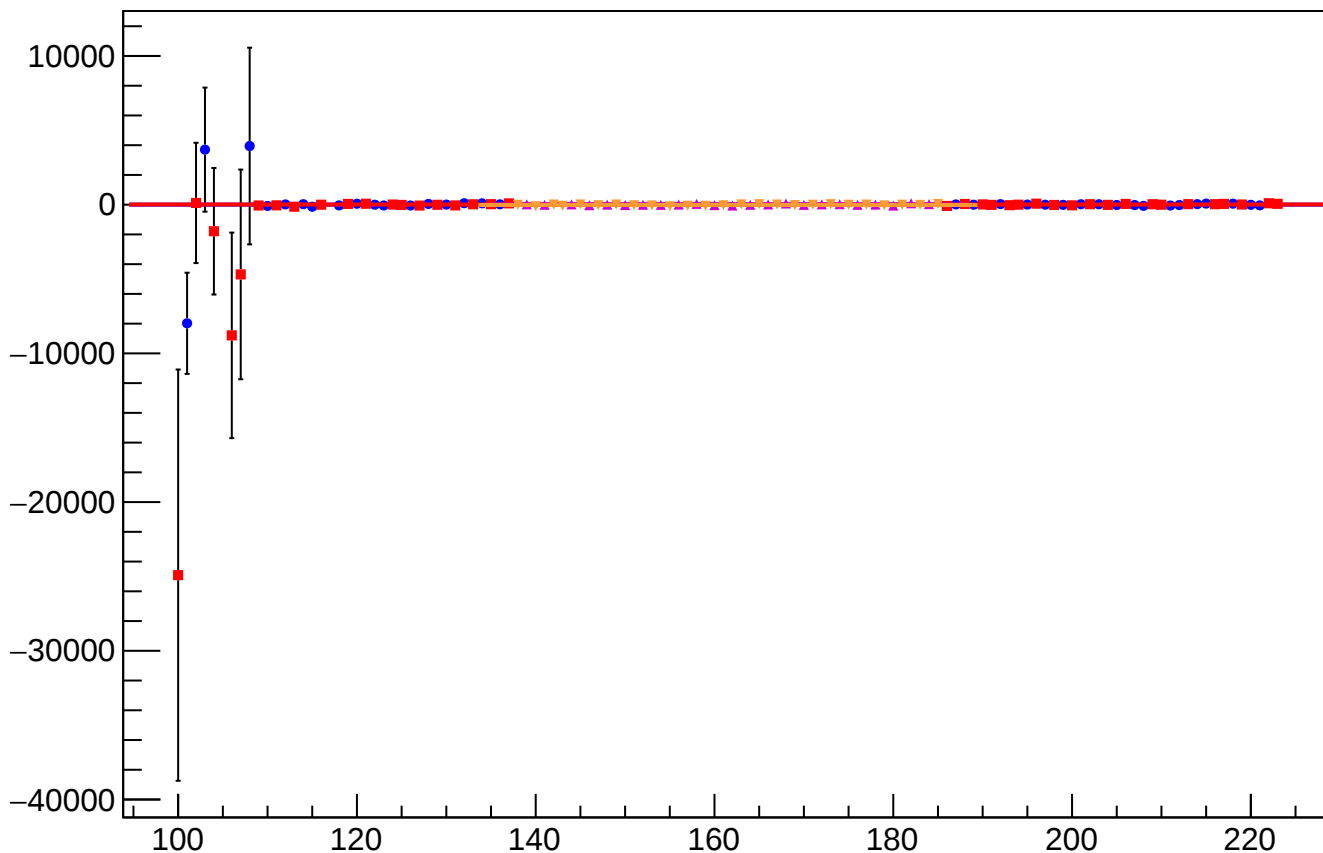
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF:1380877.6/22

+ sign 188.118 $\pm$ 0.023 χ^2 /NDF: 6837293.7/59

All: 185.228 $\pm$ 0.016 χ^2 /NDF: 14088095.0/12

- sign 182.418 $\pm$ 0.022 χ^2 /NDF: 7218935.1/61

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 2.795 $\pm$ 7.767 χ^2 /NDF: 38.8/34

Left Out: -24.144 $\pm$ 8.076 χ^2 /NDF:24.9/24

Right Out: 10.313 $\pm$ 7.777 χ^2 /NDF: 42.8/38

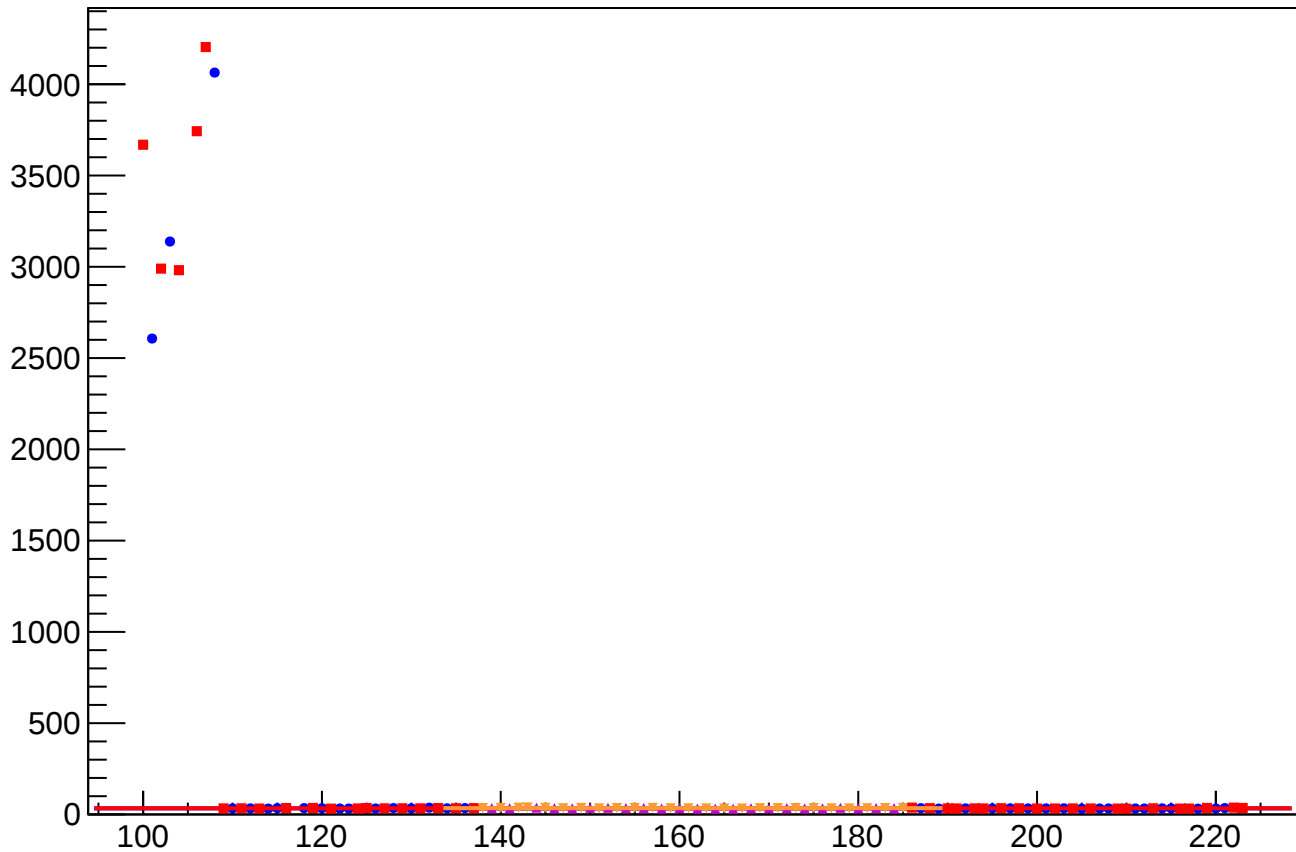
Left In: 5.924 $\pm$ 8.340 χ^2 /NDF:21.0/22

+ sign -10.150 $\pm$ 5.598 χ^2 /NDF: 69.4/59

All: -1.085 $\pm$ 3.990 χ^2 /NDF: 138.7/121

- sign 8.272 $\pm$ 5.688 χ^2 /NDF: 63.9/61

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.347 $\pm$ 0.005 χ^2 /NDF: 3029467.1/34

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.613 $\pm$ 0.005 χ^2 /NDF: 3504795.9/38

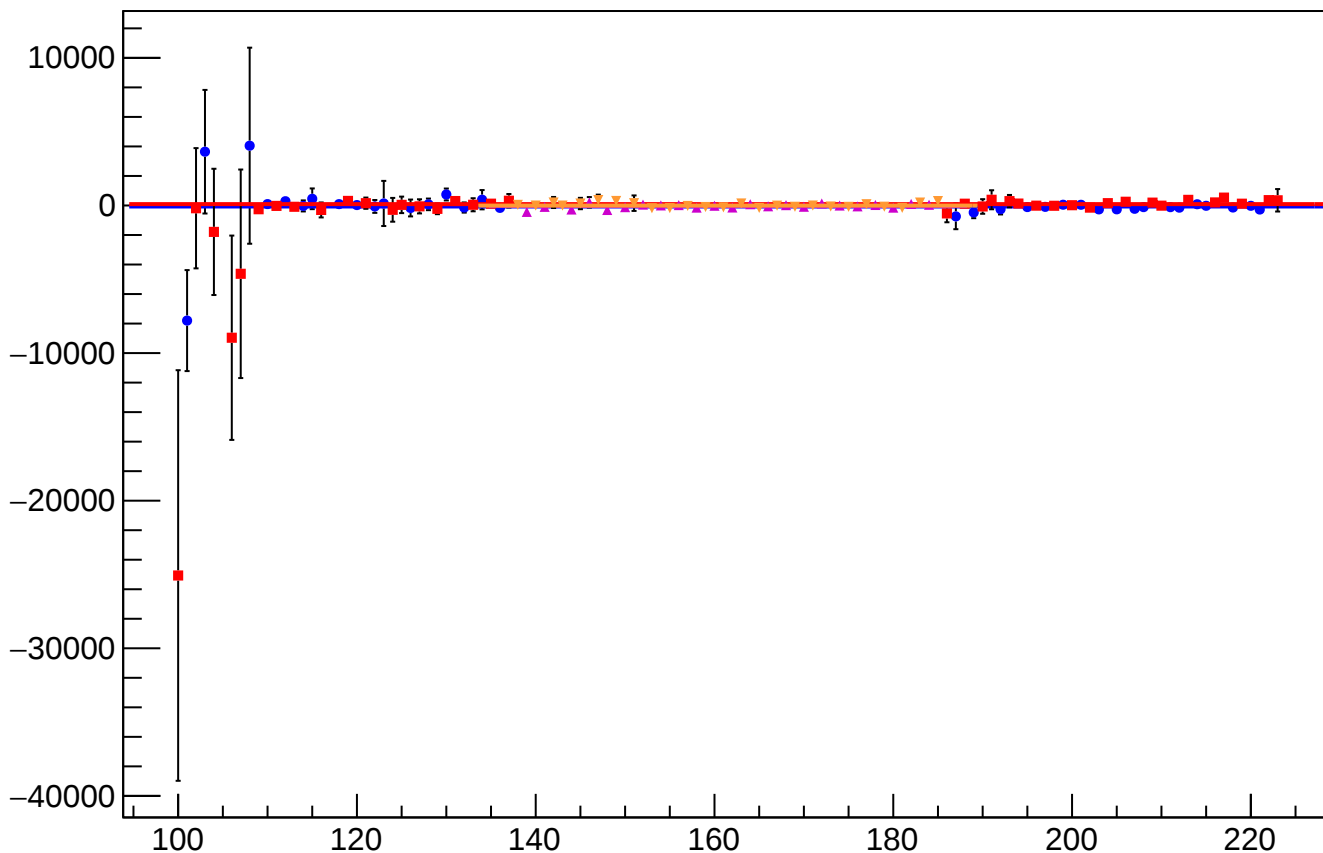
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 33.957 $\pm$ 0.004 χ^2 /NDF: 3113056.2/59

All: 34.033 $\pm$ 0.003 χ^2 /NDF: 6695982.8/121

- sign 34.110 $\pm$ 0.004 χ^2 /NDF: 3582193.4/61

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -68.009 ± 42.671 χ^2/NDF : 23.1/34

Left Out: -7.558 ± 48.662 χ^2/NDF : 8.8/24

Right Out: 92.340 ± 43.212 χ^2/NDF : 24.7/38

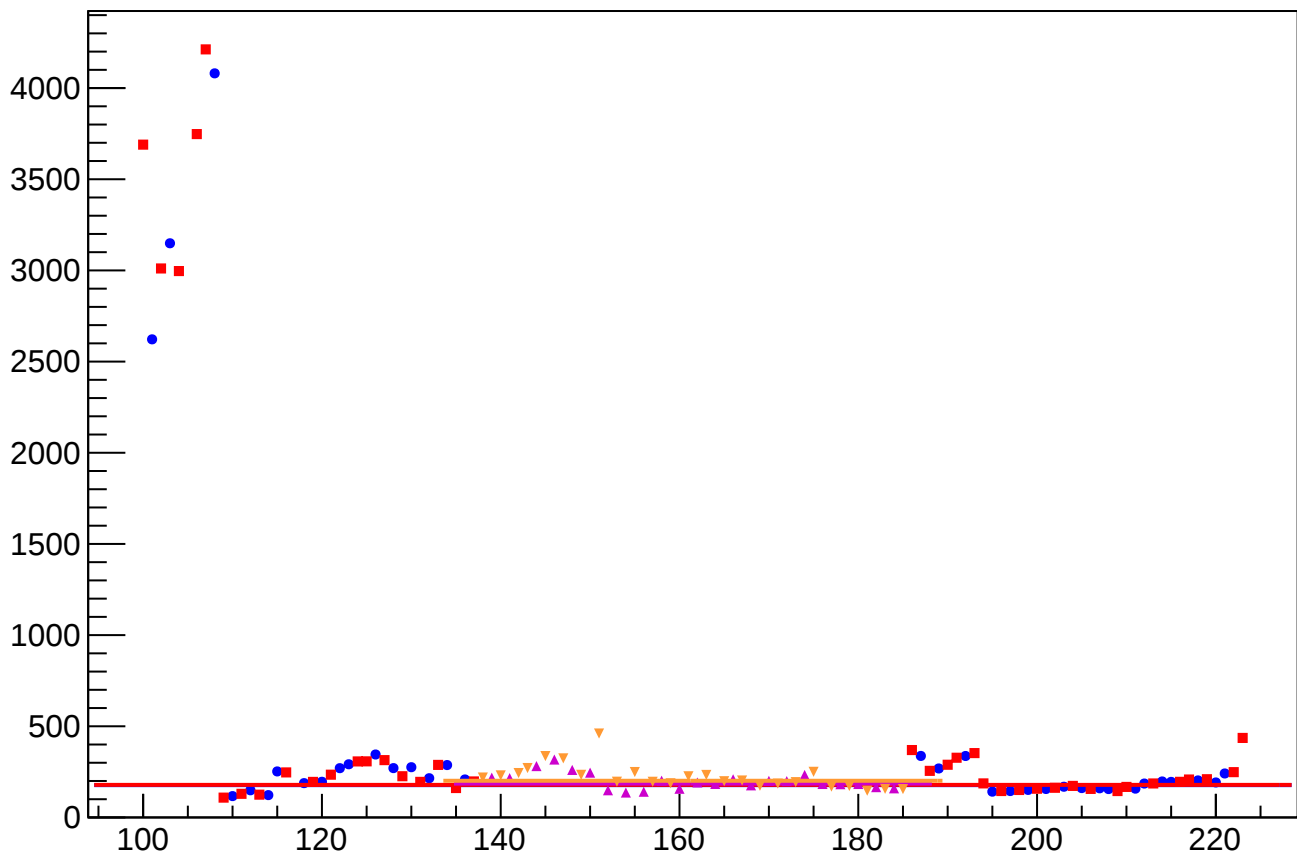
Left In: -34.977 ± 46.421 χ^2/NDF : 7.1/22

+ sign -41.732 ± 32.083 χ^2/NDF : 32.7/59

All: -3.715 ± 22.524 χ^2/NDF : 71.3/121

- sign 33.233 ± 31.629 χ^2/NDF : 35.8/61

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 177.229 $\pm$ 0.030 χ^2 /NDF: 4745967.7/34

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF:1848437.4/24

Right Out: 178.629 $\pm$ 0.031 χ^2 /NDF: 5870444.5/38

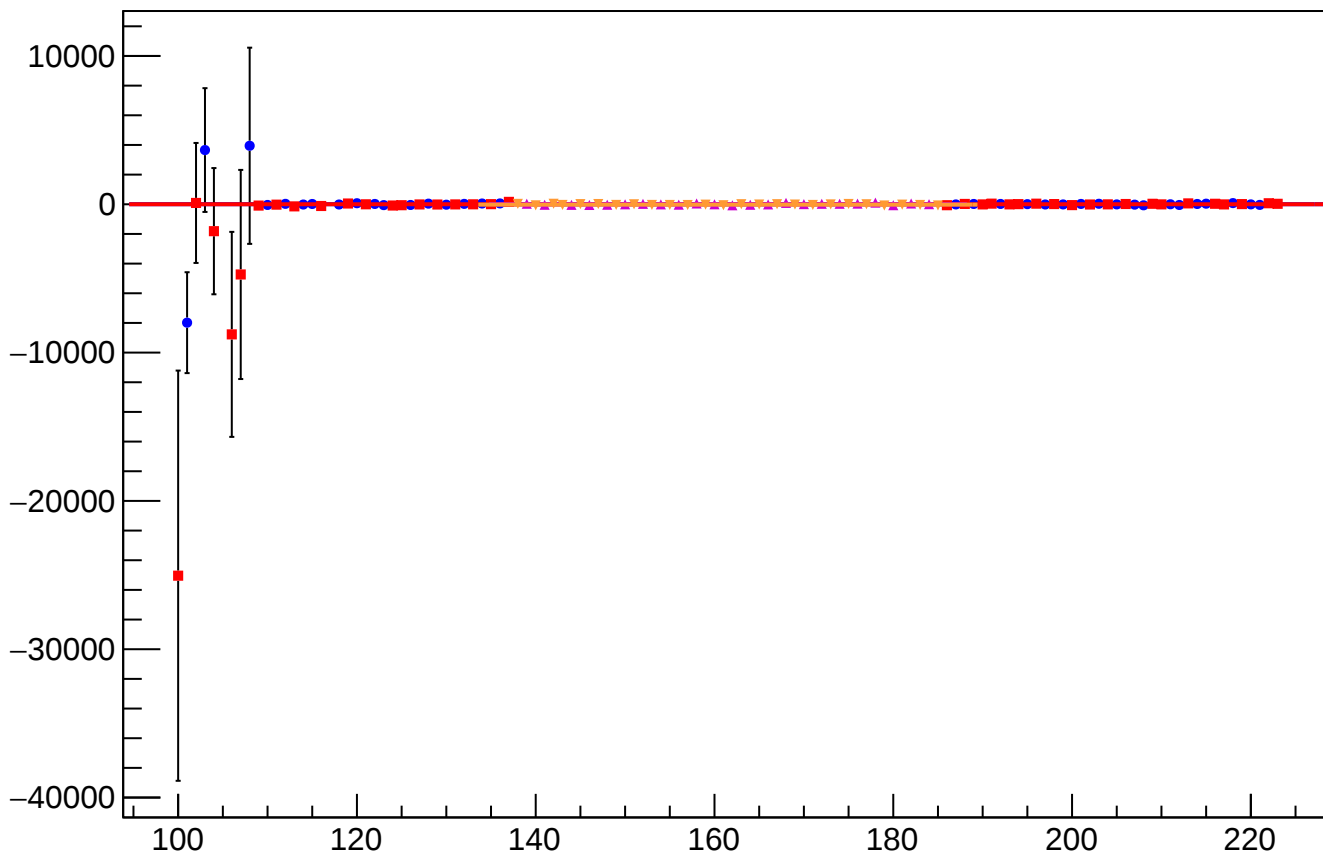
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF:1371411.2/22

+ sign 187.648 $\pm$ 0.023 χ^2 /NDF: 6868730.0/59

All: 184.722 $\pm$ 0.016 χ^2 /NDF: 14167739.3/12

- sign 181.878 $\pm$ 0.022 χ^2 /NDF: 7266207.4/61

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.896 $\pm$ 7.029 χ^2 /NDF: 33.2/34

Left Out: -23.320 $\pm$ 7.352 χ^2 /NDF:18.3/24

Right Out: 2.279 $\pm$ 7.044 χ^2 /NDF: 46.1/38

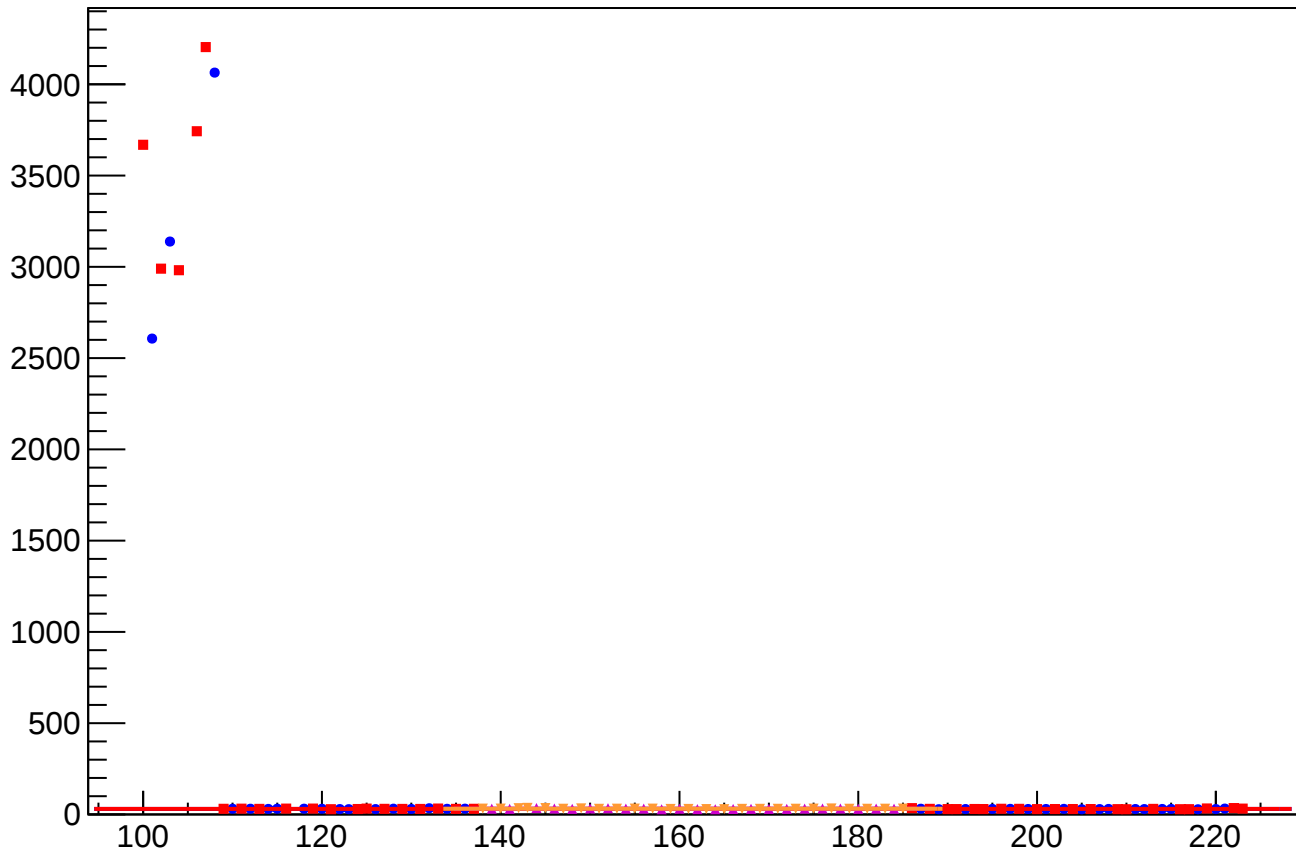
Left In: 6.386 $\pm$ 7.577 χ^2 /NDF:38.7/22

+ sign -8.056 $\pm$ 5.080 χ^2 /NDF: 59.7/59

All: -2.030 $\pm$ 3.620 χ^2 /NDF: 147.5/121

- sign 4.183 $\pm$ 5.159 χ^2 /NDF: 84.9/61

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.163 $\pm$ 0.005 χ^2 /NDF: 3052950.7/34

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.416 $\pm$ 0.005 χ^2 /NDF: 3538467.5/38

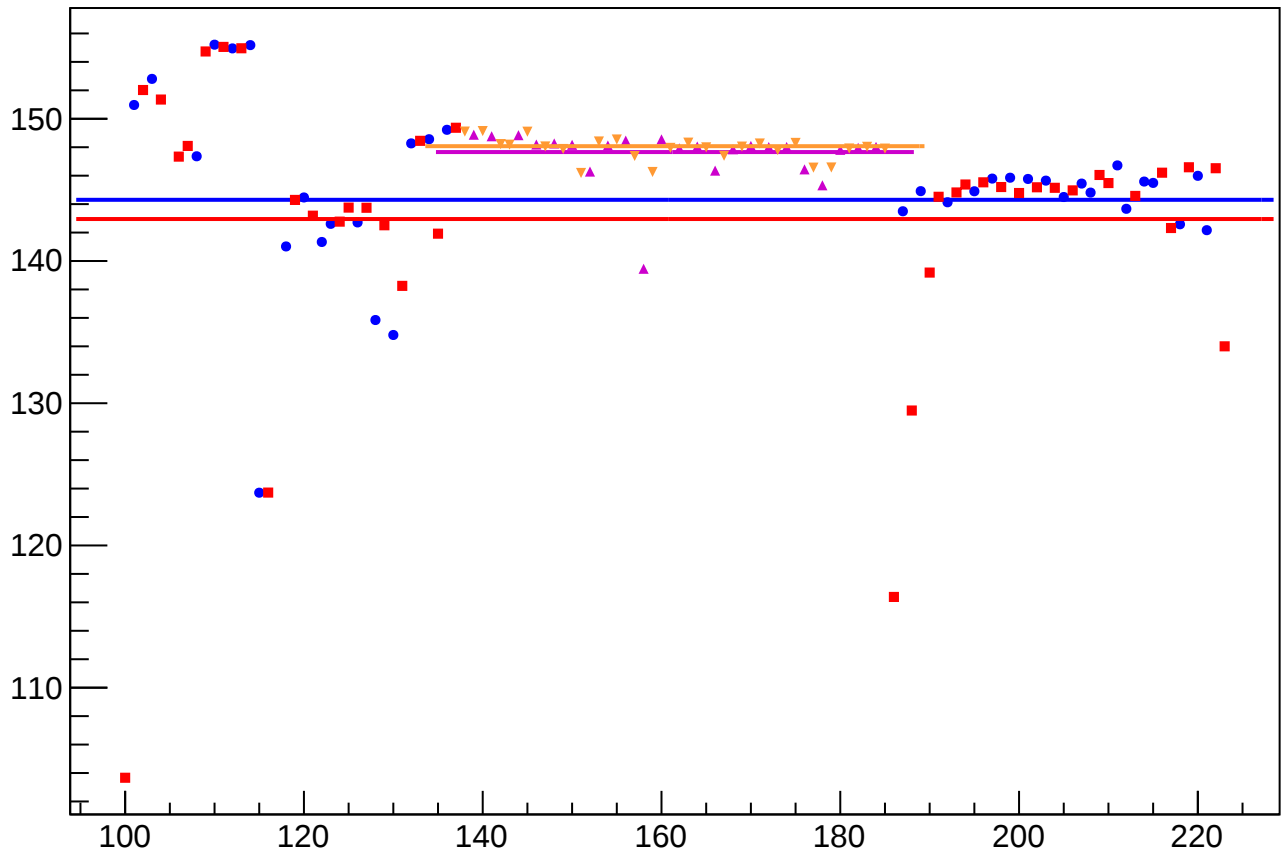
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 30.796 $\pm$ 0.004 χ^2 /NDF: 3168863.3/59

All: 30.851 $\pm$ 0.003 χ^2 /NDF: 6816566.6/121

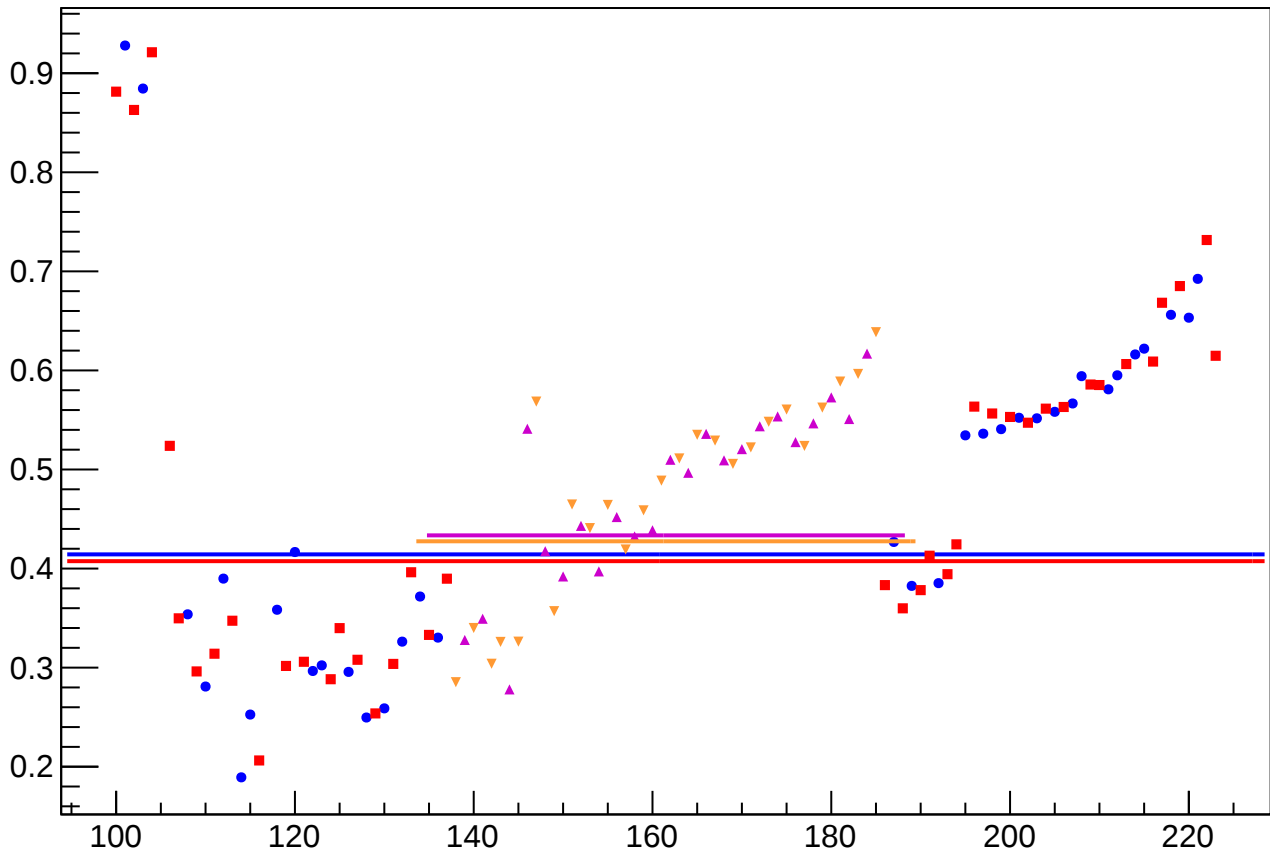
- sign 30.907 $\pm$ 0.004 χ^2 /NDF: 3647229.9/61

yield_bcm_an_ds_mean vs Slug



Right In: 144.303 ± 0.000 $\chi^2/\text{NDF}: 3526110385.4/34$
 Left Out: 148.074 ± 0.000 $\chi^2/\text{NDF}: 65673678.9/24$ + sign 146.134 ± 0.000 $\chi^2/\text{NDF}: 4269275129.3/59$
 Right Out: 142.952 ± 0.000 $\chi^2/\text{NDF}: 7581534497.7/38$ All: 145.592 ± 0.000 $\chi^2/\text{NDF}: 13360017994.$
 Left In: 147.660 ± 0.000 $\chi^2/\text{NDF}: 343892338.9/22$ - sign 145.054 ± 0.000 $\chi^2/\text{NDF}: 8979140331.2/61$

yield_bcm_an_ds_rms vs Slug



Right In: 0.414 $\pm$ 0.000 χ^2 /NDF: 4370036.5/34

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1892802.8/24

Right Out: 0.407 $\pm$ 0.000 χ^2 /NDF: 4188590.4/38

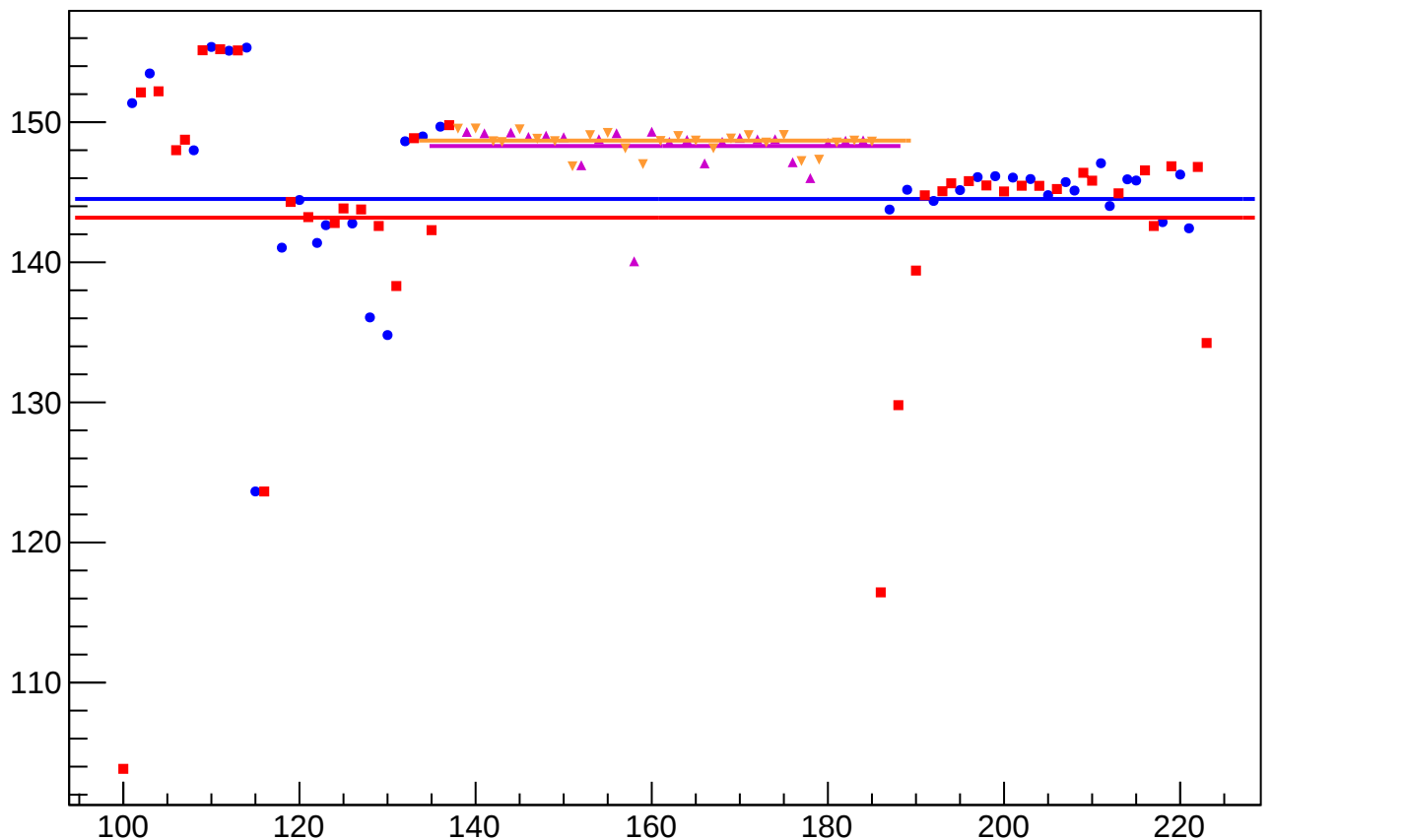
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1479367.0/22

+ sign 0.421 $\pm$ 0.000 χ^2 /NDF: 6279444.3/59

All: 0.420 $\pm$ 0.000 χ^2 /NDF: 12012372.2/121

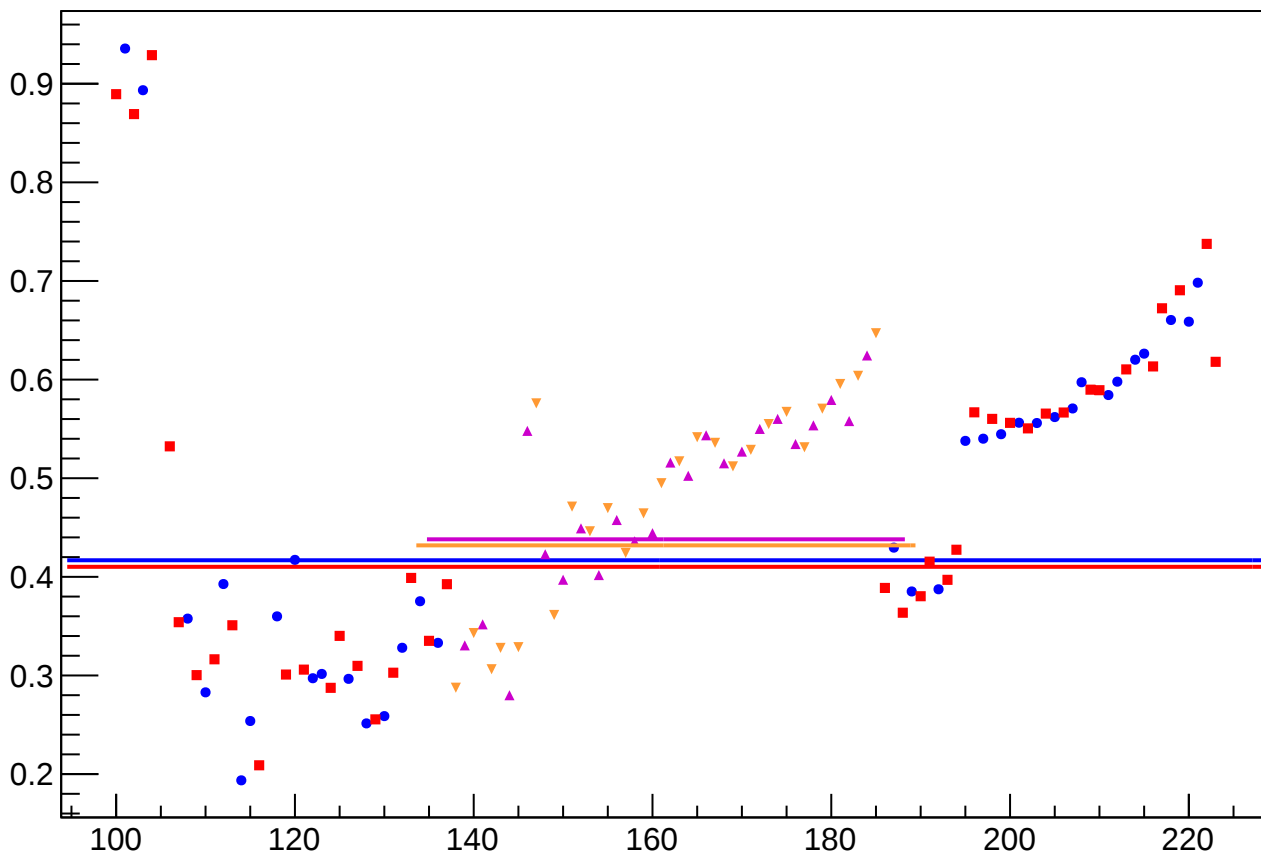
- sign 0.419 $\pm$ 0.000 χ^2 /NDF: 5732416.9/61

yield_bcm_an_ds3_mean vs Slug



Right In: 144.519 ± 0.000 $\chi^2/\text{NDF}: 3576408457.4/34$
 Left Out: 148.687 ± 0.000 $\chi^2/\text{NDF}: 52285197.5/24$
 Right Out: 143.183 ± 0.000 $\chi^2/\text{NDF}: 7533691782.0/38$
 Left In: 148.298 ± 0.000 $\chi^2/\text{NDF}: 332527463.6/22$
 All: 145.992 ± 0.000 $\chi^2/\text{NDF}: 13639446382.0/100$

yield_bcm_an_ds3_rms vs Slug



Right In: 0.417 ± 0.000 $\chi^2/\text{NDF}: 4382172.8/34$

Left Out: 0.432 ± 0.000 $\chi^2/\text{NDF}: 1924979.0/24$

Right Out: 0.410 ± 0.000 $\chi^2/\text{NDF}: 4194394.0/38$

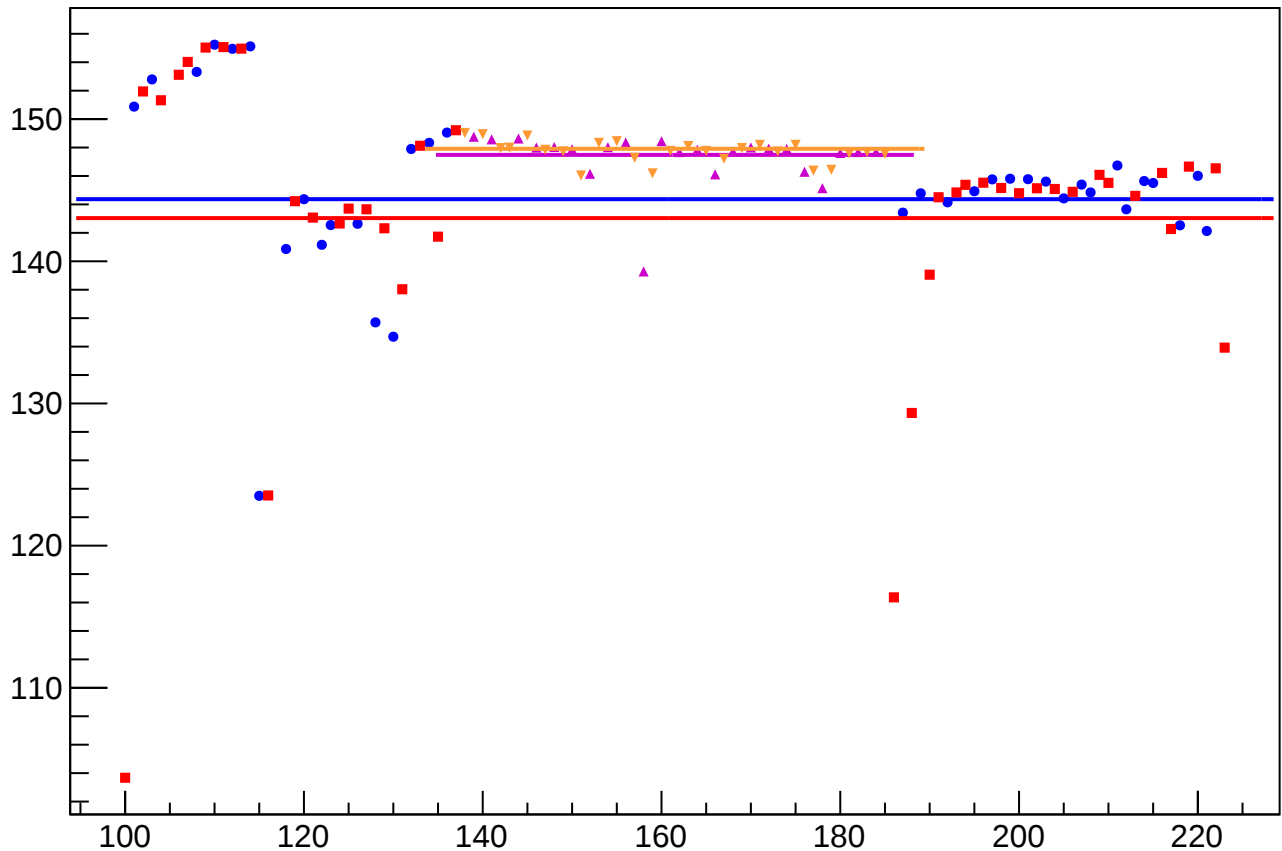
Left In: 0.438 ± 0.000 $\chi^2/\text{NDF}: 1504635.6/22$

+ sign 0.424 ± 0.000 $\chi^2/\text{NDF}: 6328517.7/59$

All: 0.423 ± 0.000 $\chi^2/\text{NDF}: 12100579.3/121$

- sign 0.423 ± 0.000 $\chi^2/\text{NDF}: 5771611.7/61$

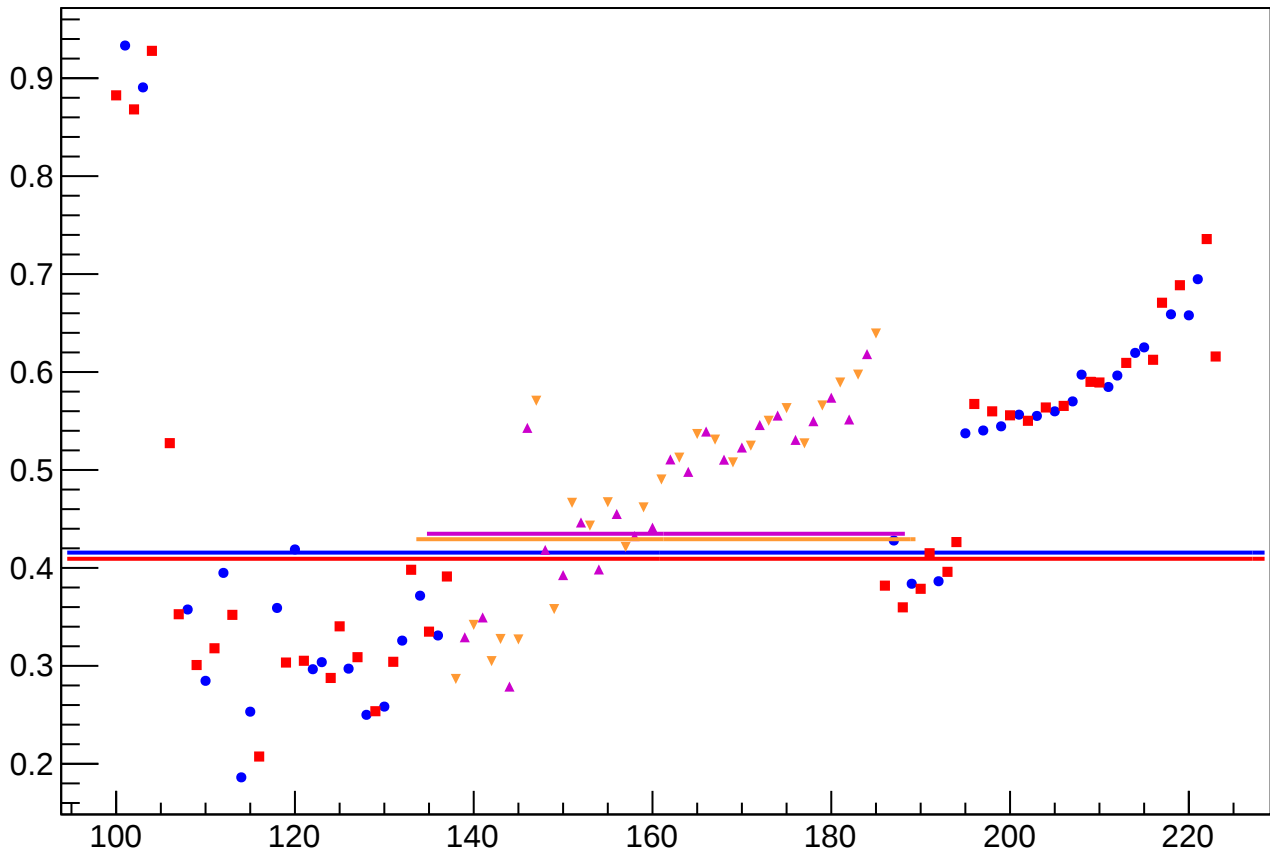
yield_bcm_an_us_mean vs Slug



Right In: 144.368 $\pm$ 0.000 χ^2/NDF : 3732402058.5/34
 Left Out: 147.912 $\pm$ 0.000 χ^2/NDF : 64463426.1/24
 Right Out: 143.037 $\pm$ 0.000 χ^2/NDF : 7956004511.6/38
 Left In: 147.483 $\pm$ 0.000 χ^2/NDF : 342674720.4/22

+ sign 146.088 $\pm$ 0.000 χ^2/NDF : 4390476812.3/59
 All: 145.555 $\pm$ 0.000 χ^2/NDF : 13728687154.
 - sign 145.026 $\pm$ 0.000 χ^2/NDF : 9230946705.4/61

yield_bcm_an_us_rms vs Slug



Right In: 0.416 $\pm$ 0.000 χ^2 /NDF: 4412863.0/34

Left Out: 0.429 $\pm$ 0.000 χ^2 /NDF:1891709.3/24

Right Out: 0.409 $\pm$ 0.000 χ^2 /NDF: 4196978.6/38

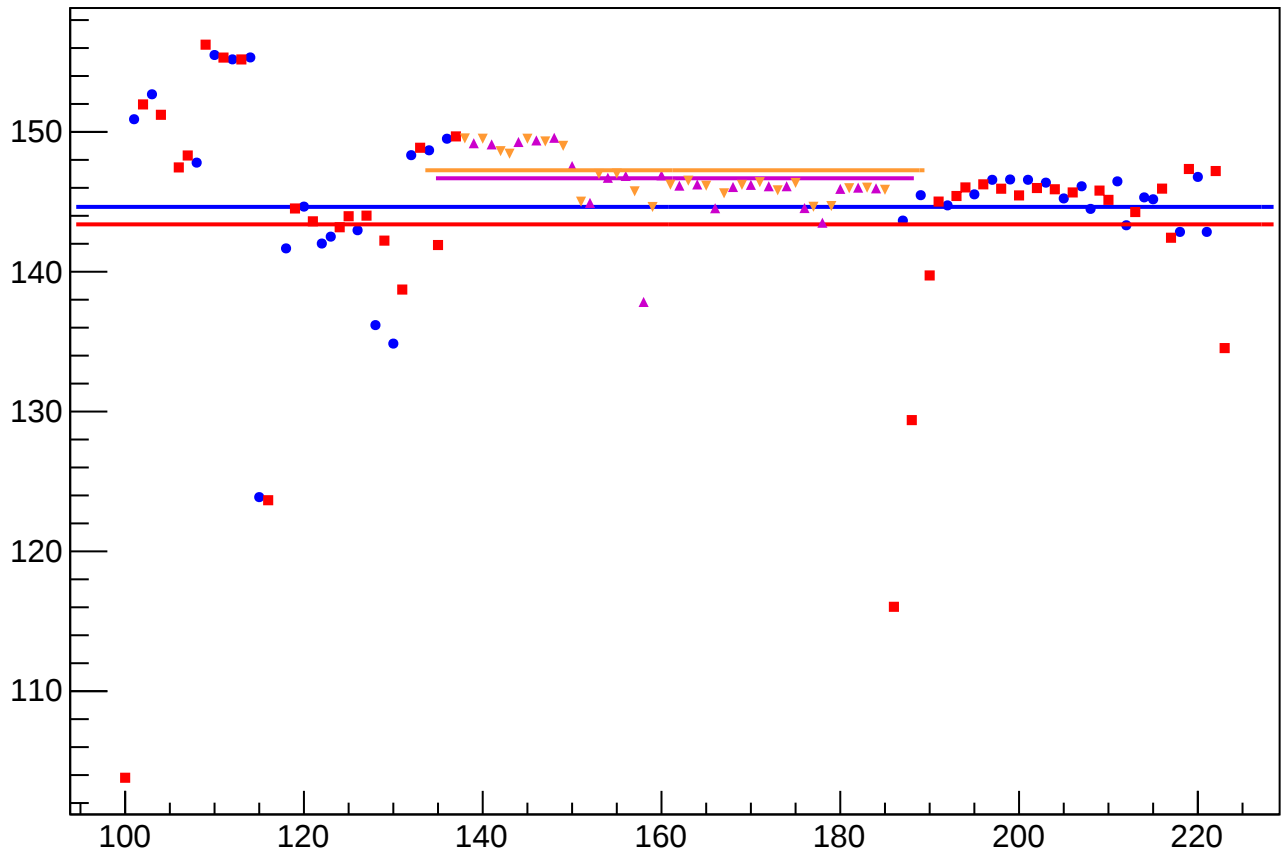
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.422 $\pm$ 0.000 χ^2 /NDF: 6322235.9/59

All: 0.422 $\pm$ 0.000 χ^2 /NDF: 12067150.3/121

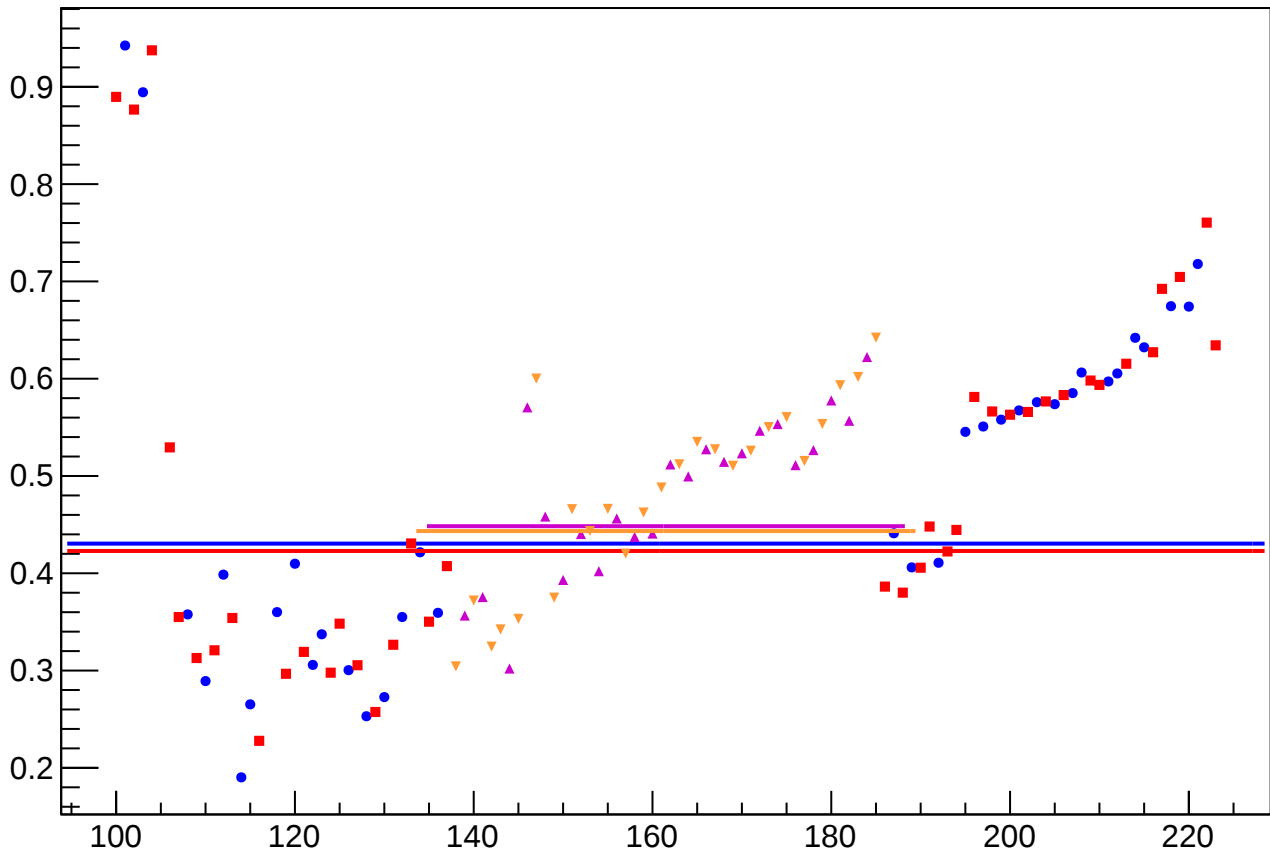
- sign 0.421 $\pm$ 0.000 χ^2 /NDF: 5744477.1/61

yield_bcm_dg_us_mean vs Slug



Right In: 144.638 $\pm$ 0.000	χ^2 /NDF: 3249908490.7/34	+ sign 145.919 $\pm$ 0.000	χ^2 /NDF: 3816649110.4/59
Left Out: 147.257 $\pm$ 0.000	χ^2 /NDF: 261906278.3/24	All: 145.393 $\pm$ 0.000	χ^2 /NDF: 12218718212.0
Right Out: 143.388 $\pm$ 0.000	χ^2 /NDF: 7265565933.0/38	- sign 144.874 $\pm$ 0.000	χ^2 /NDF: 8304496827.7/61
Left In: 146.685 $\pm$ 0.000	χ^2 /NDF: 554922388.0/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.430 $\pm$ 0.000 χ^2 /NDF: 4271683.3/34

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.423 $\pm$ 0.000 χ^2 /NDF: 4073630.0/38

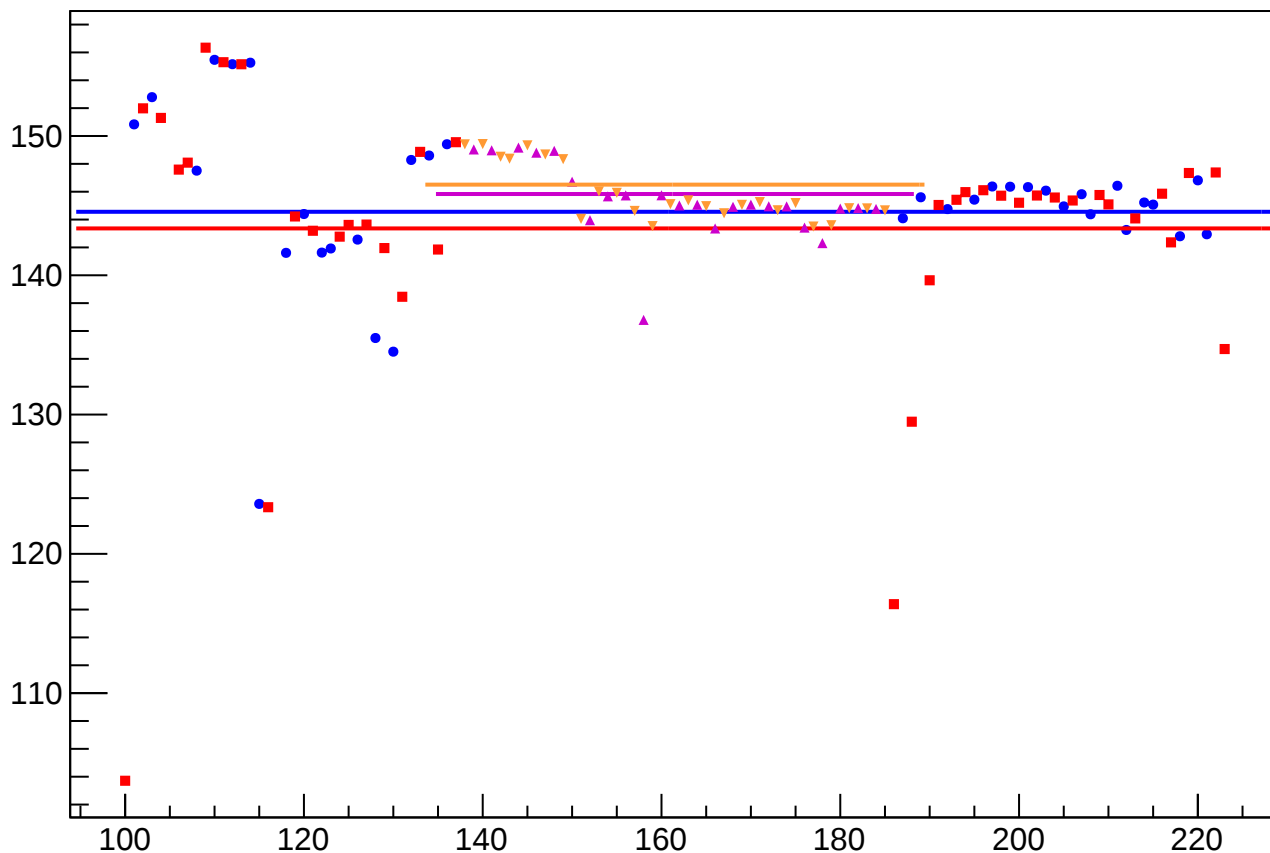
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.437 $\pm$ 0.000 χ^2 /NDF: 5766973.1/59

All: 0.436 $\pm$ 0.000 χ^2 /NDF: 11019643.0/121

- sign 0.434 $\pm$ 0.000 χ^2 /NDF: 5251648.6/61

yield_bcm_dg_ds_mean vs Slug



Right In: 144.558 $\pm$ 0.000 χ^2 /NDF: 3358981915.8/34

Left Out: 146.508 $\pm$ 0.000 χ^2 /NDF: 401248837.9/24

Right Out: 143.364 $\pm$ 0.000 χ^2 /NDF: 7215151821.4/38

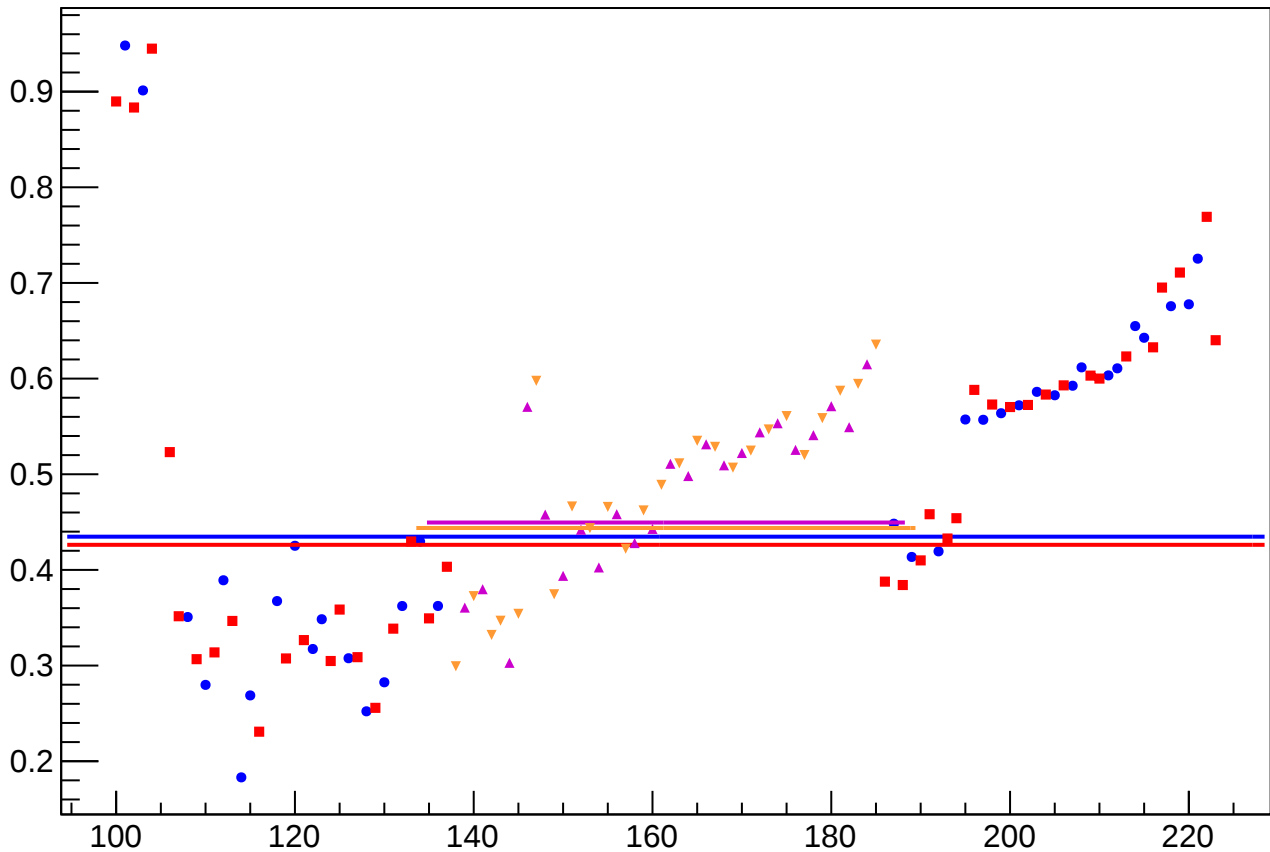
Left In: 145.834 $\pm$ 0.000 χ^2 /NDF: 690172810.0/22

+ sign 145.522 $\pm$ 0.000 χ^2 /NDF: 3927122701.5/59

All: 145.001 $\pm$ 0.000 χ^2 /NDF: 12195894836.

- sign 144.486 $\pm$ 0.000 χ^2 /NDF: 8174018482.0/61

yield_bcm_dg_ds_rms vs Slug



Right In: 0.435 $\pm$ 0.000 χ^2 /NDF: 4321155.5/34

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1460383.7/24

Right Out: 0.426 $\pm$ 0.000 χ^2 /NDF: 4112235.5/38

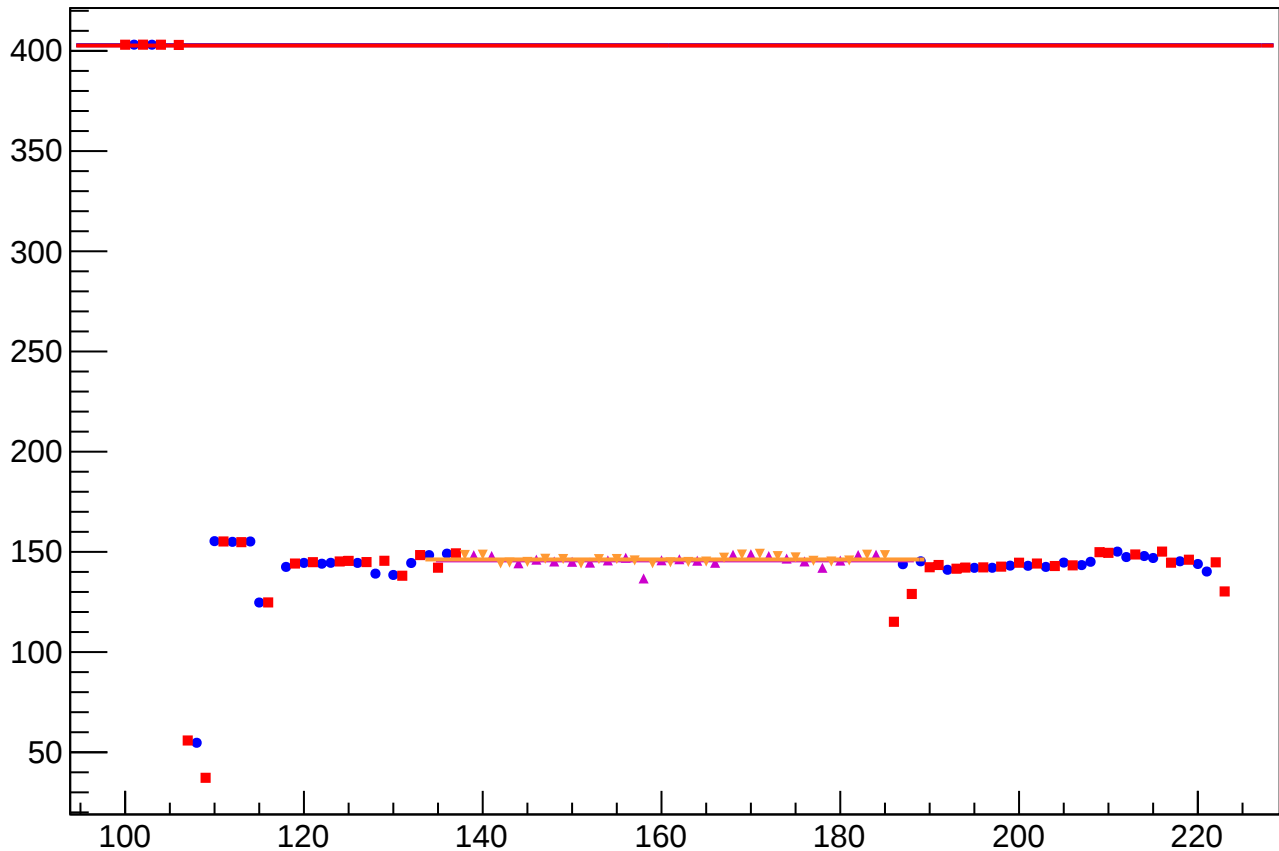
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1092776.5/22

+ sign 0.439 $\pm$ 0.000 χ^2 /NDF: 5788749.8/59

All: 0.438 $\pm$ 0.000 χ^2 /NDF: 11042617.0/121

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 5252844.4/61

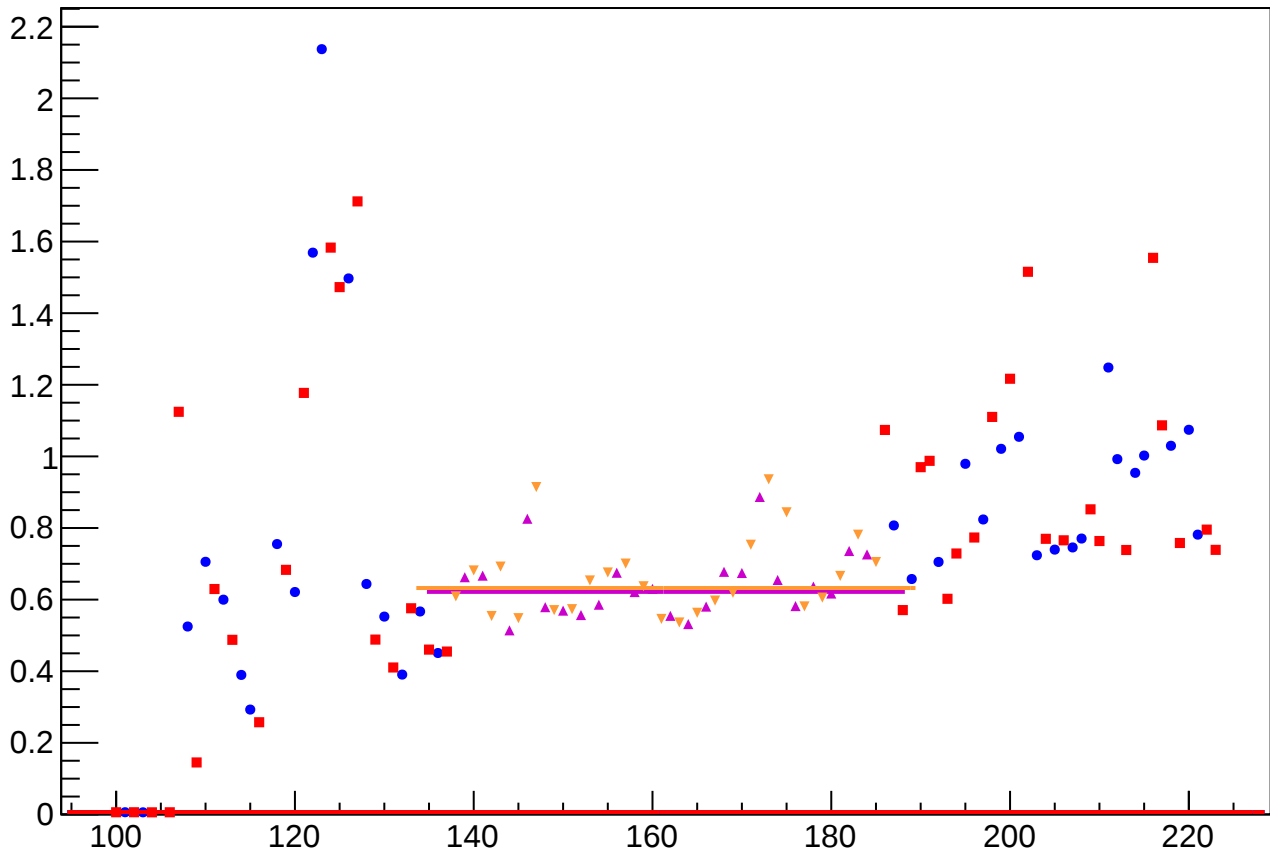
yield_cav4bQ_mean vs Slug



Right In: 402.836 $\pm$ 0.000 χ^2 /NDF: 2074531814475.1/34
 Left Out: 146.216 $\pm$ 0.000 χ^2 /NDF: 86042286.3/24
 Right Out: 402.665 $\pm$ 0.000 χ^2 /NDF: 4333943963384.2/38
 Left In: 145.755 $\pm$ 0.000 χ^2 /NDF: 206171532.0/22

+ sign 402.541 $\pm$ 0.000 χ^2 /NDF: 4433600721463.4
 All: 402.471 $\pm$ 0.000 χ^2 /NDF: 110951188540
 - sign 402.408 $\pm$ 0.000 χ^2 /NDF: 6661225254751.5

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 30362579.1/34

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 32571107.4/38

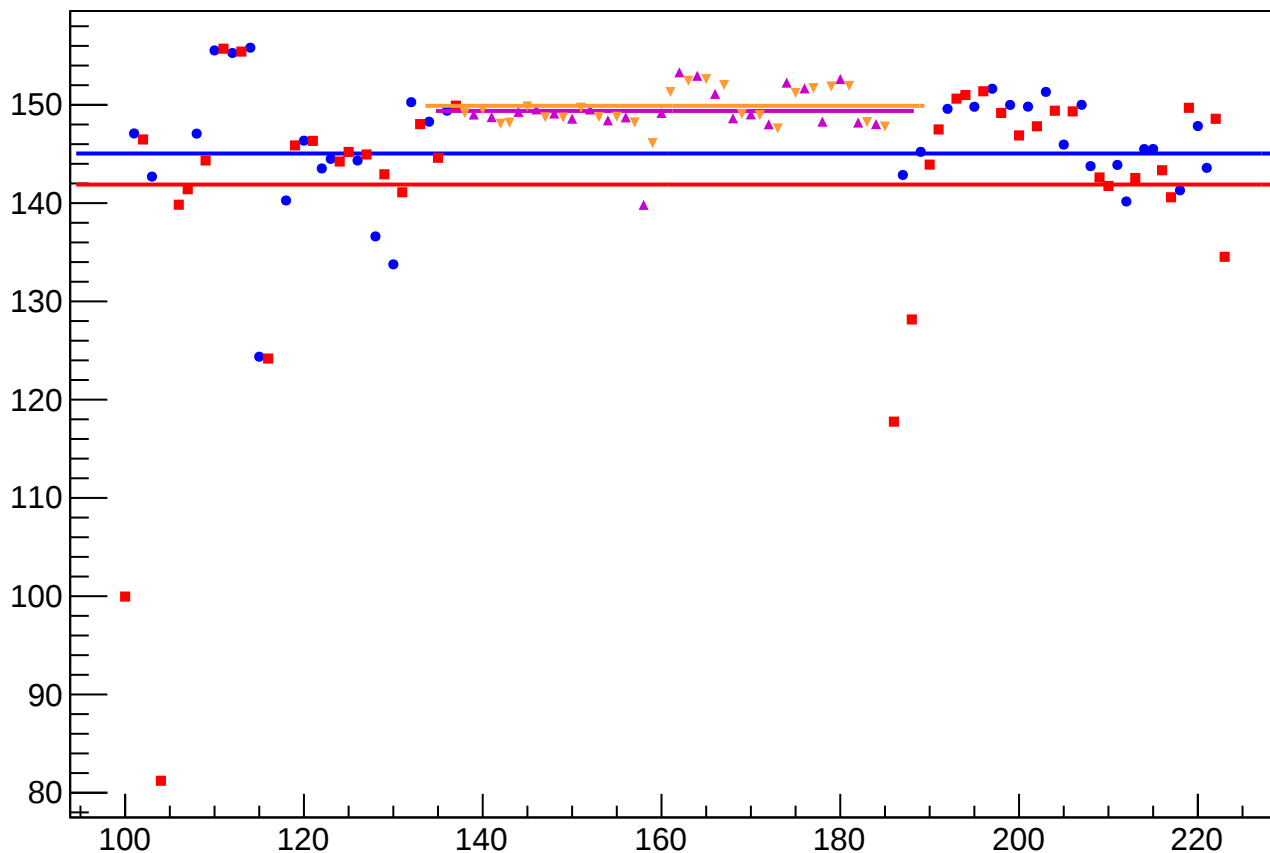
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 59022320.3/59

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 118653431.1/121

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 59630718.7/61

yield_cav4cQ_mean vs Slug



Right In: 145.049 $\pm$ 0.000 χ^2 /NDF: 1387199734.8/34

Left Out: 149.900 $\pm$ 0.000 χ^2 /NDF: 162845622.6/24

Right Out: 141.891 $\pm$ 0.000 χ^2 /NDF: 3419228564.7/38

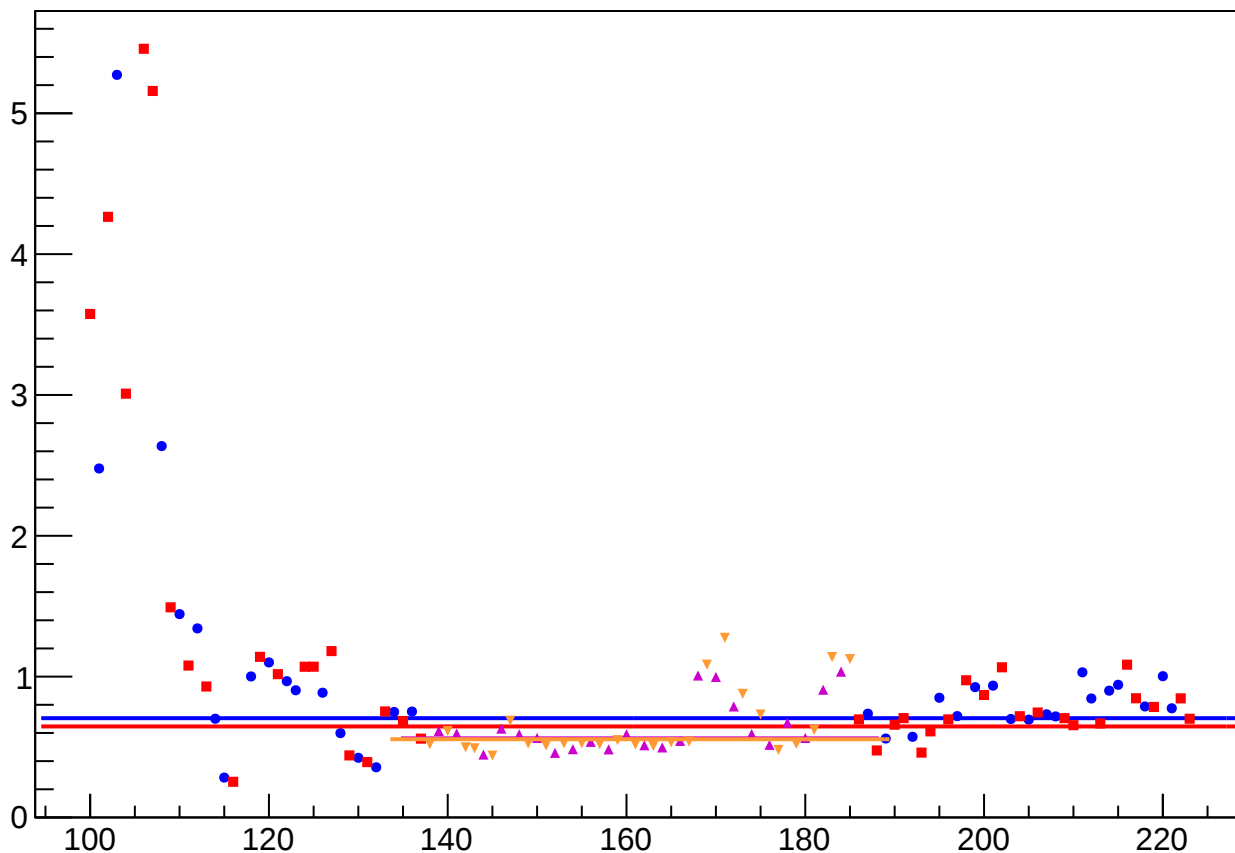
Left In: 149.382 $\pm$ 0.000 χ^2 /NDF: 434657827.5/22

+ sign 148.140 $\pm$ 0.000 χ^2 /NDF: 1983372751.7/59

All: 147.137 $\pm$ 0.000 χ^2 /NDF: 7131141631.1

- sign 146.172 $\pm$ 0.000 χ^2 /NDF: 4990674167.2/61

yield_cav4cQ_rms vs Slug



Right In: 0.705 $\pm$ 0.000 χ^2 /NDF: 4554847.5/34

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773688.1/24

Right Out: 0.646 $\pm$ 0.000 χ^2 /NDF: 6053924.2/38

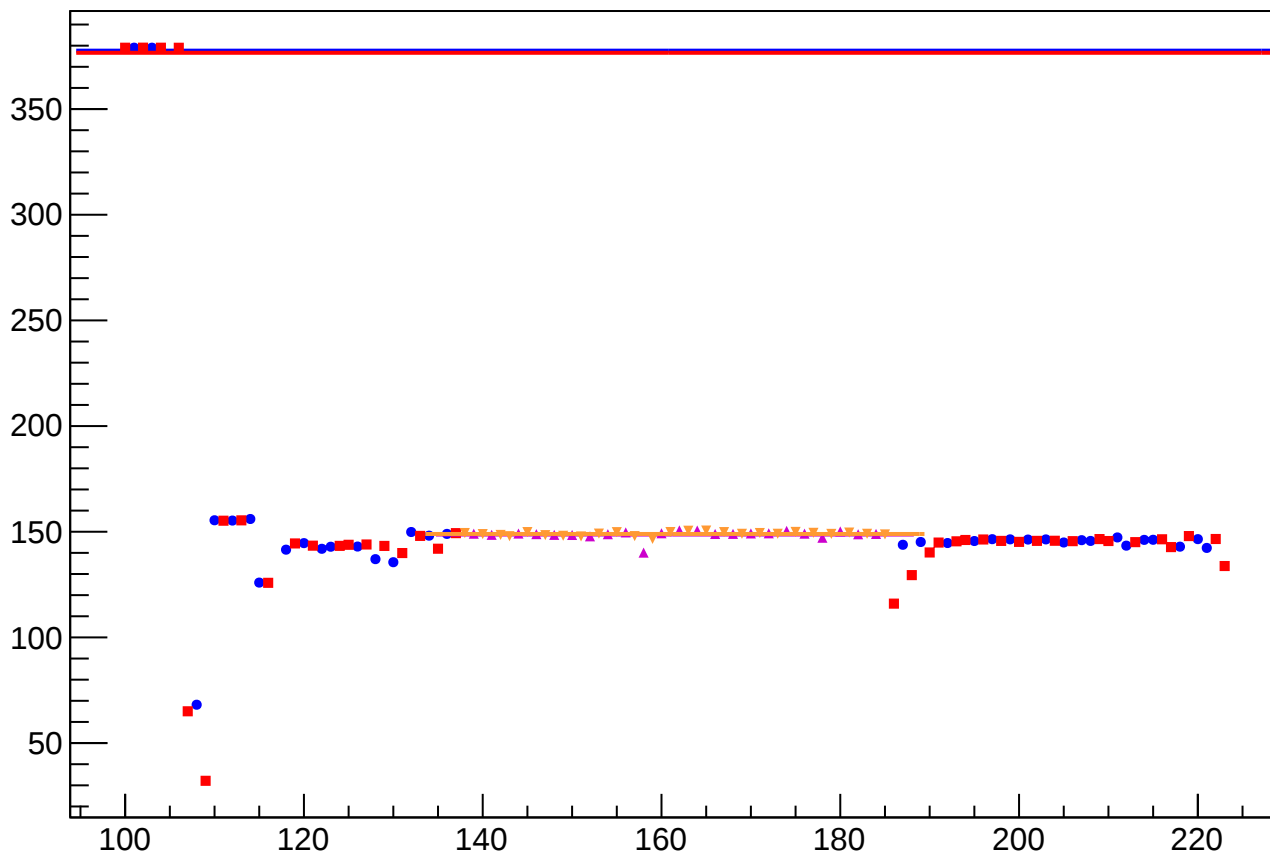
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1305573.4/22

+ sign 0.610 $\pm$ 0.000 χ^2 /NDF: 7150559.6/59

All: 0.604 $\pm$ 0.000 χ^2 /NDF: 14810339.9/121

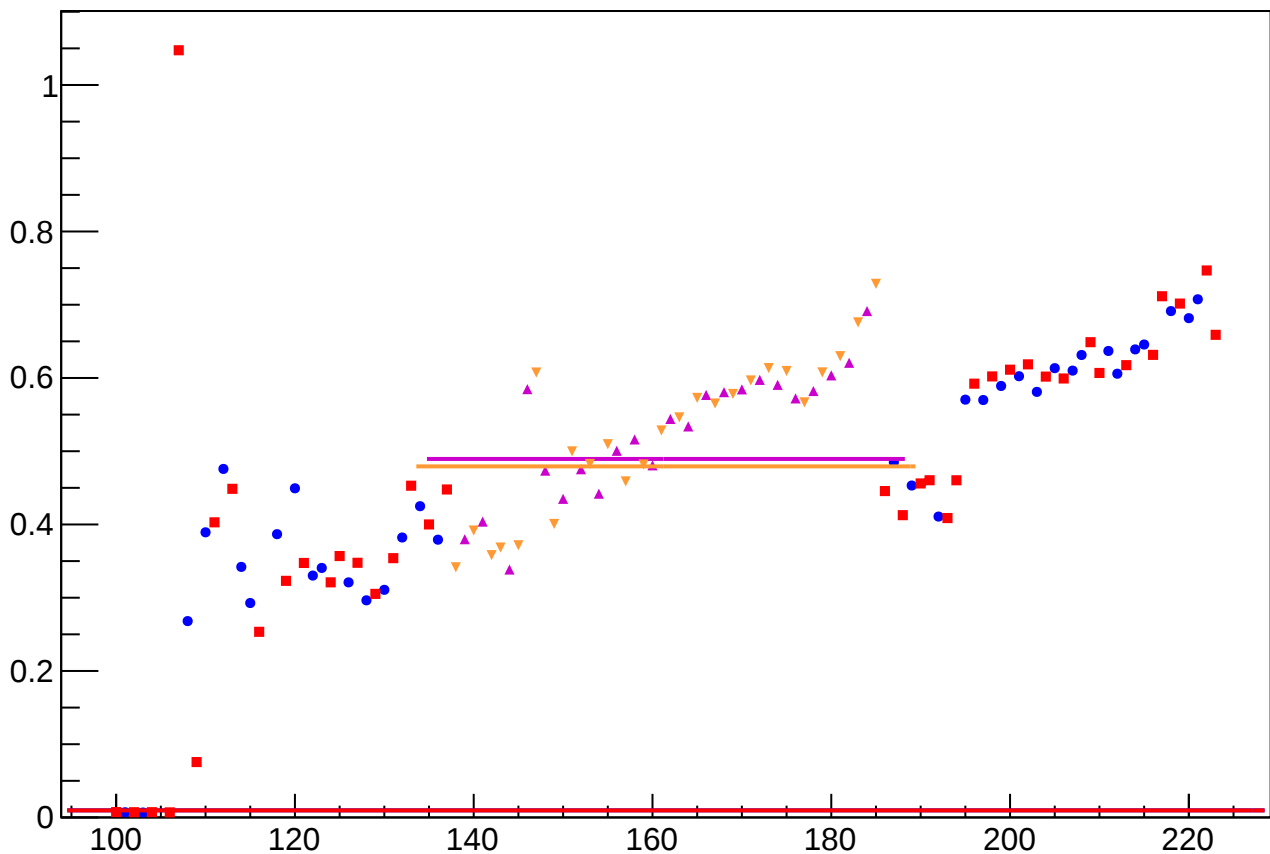
- sign 0.598 $\pm$ 0.000 χ^2 /NDF: 7648584.3/61

yield_cav4dQ_mean vs Slug



Right In: 377.637+/-0.000	χ^2/NDF : 4509497156565.9/34	+ sign 376.365+/-0.000	χ^2/NDF : 8394796333493.0
Left Out: 148.944+/-0.000	χ^2/NDF : 63976941.3/24	All: 375.966+/-0.000	χ^2/NDF : 225563705390
Right Out: 376.635+/-0.000	χ^2/NDF : 10618858462919.0/38	- sign 375.615+/-0.000	χ^2/NDF : 14157555608875.0
Left In: 148.672+/-0.000	χ^2/NDF : 252846428.3/22		

yield_cav4dQ_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 34686408.9/34

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1516566.1/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 35238574.3/38

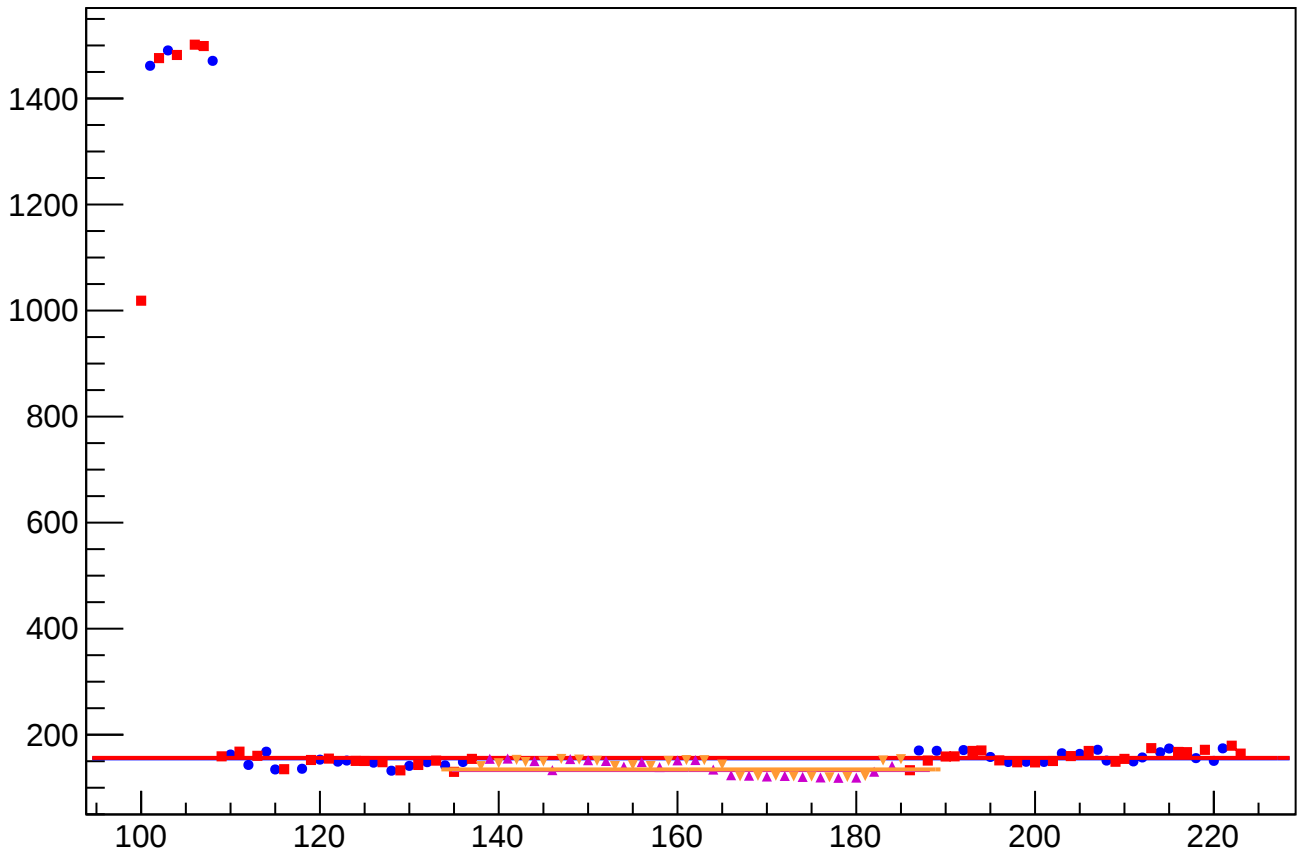
Left In: 0.489 $\pm$ 0.000 χ^2 /NDF:1076134.2/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 68965466.6/59

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 136635963.7/121

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 67666481.0/61

yield_bcm0l02_mean vs Slug



Right In: 155.379+/-0.000 χ^2/NDF : 26341059637.8/34

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 156.318+/-0.000 χ^2/NDF : 35656747534.2/38

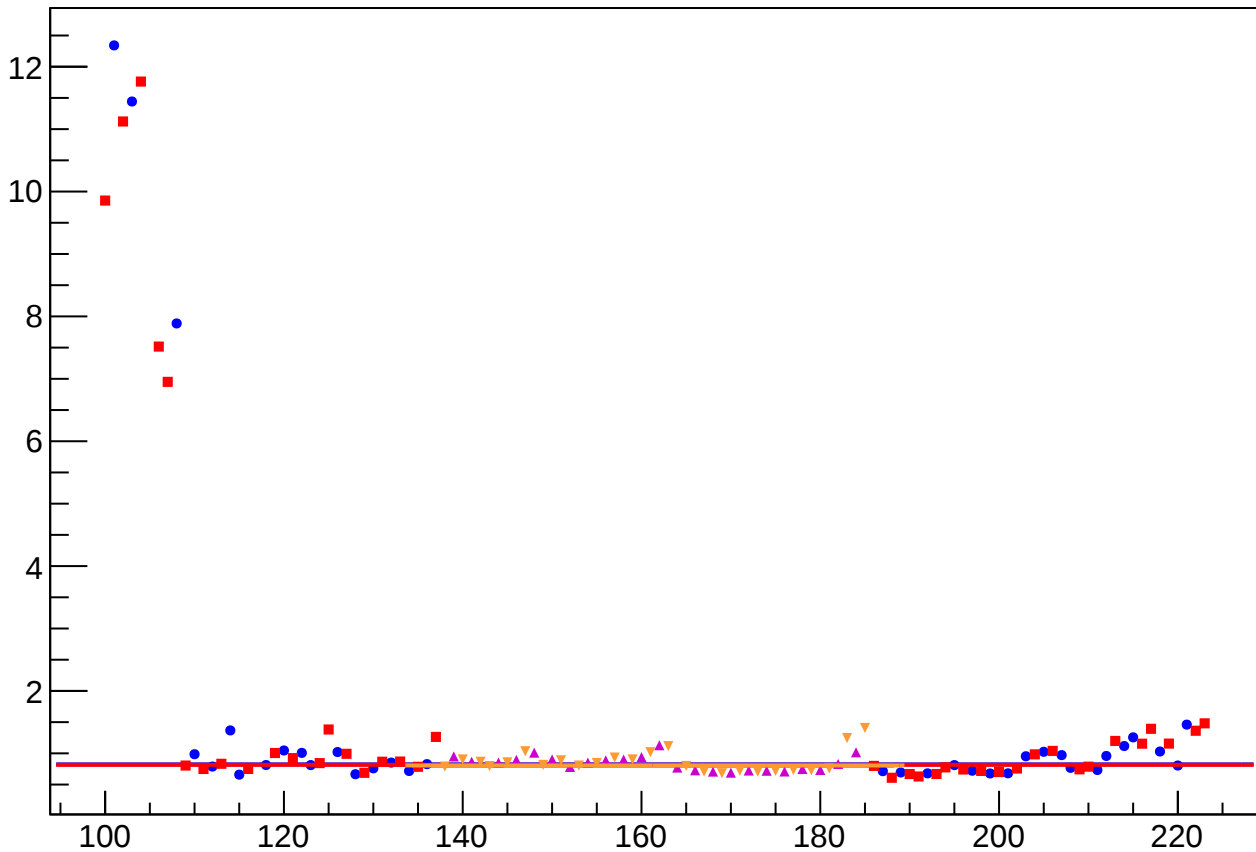
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 144.515+/-0.000 χ^2/NDF : 35637146197.3/59

All: 144.665+/-0.000 χ^2/NDF : 81597882963.0

- sign 144.815+/-0.000 χ^2/NDF : 45958695547.3/61

yield_bcm0l02_rms vs Slug



Right In: 0.823+/-0.000 χ^2/NDF : 3673724.0/34

Left Out: 0.806+/-0.000 χ^2/NDF : 690578.5/24

Right Out: 0.816+/-0.000 χ^2/NDF : 4288716.5/38

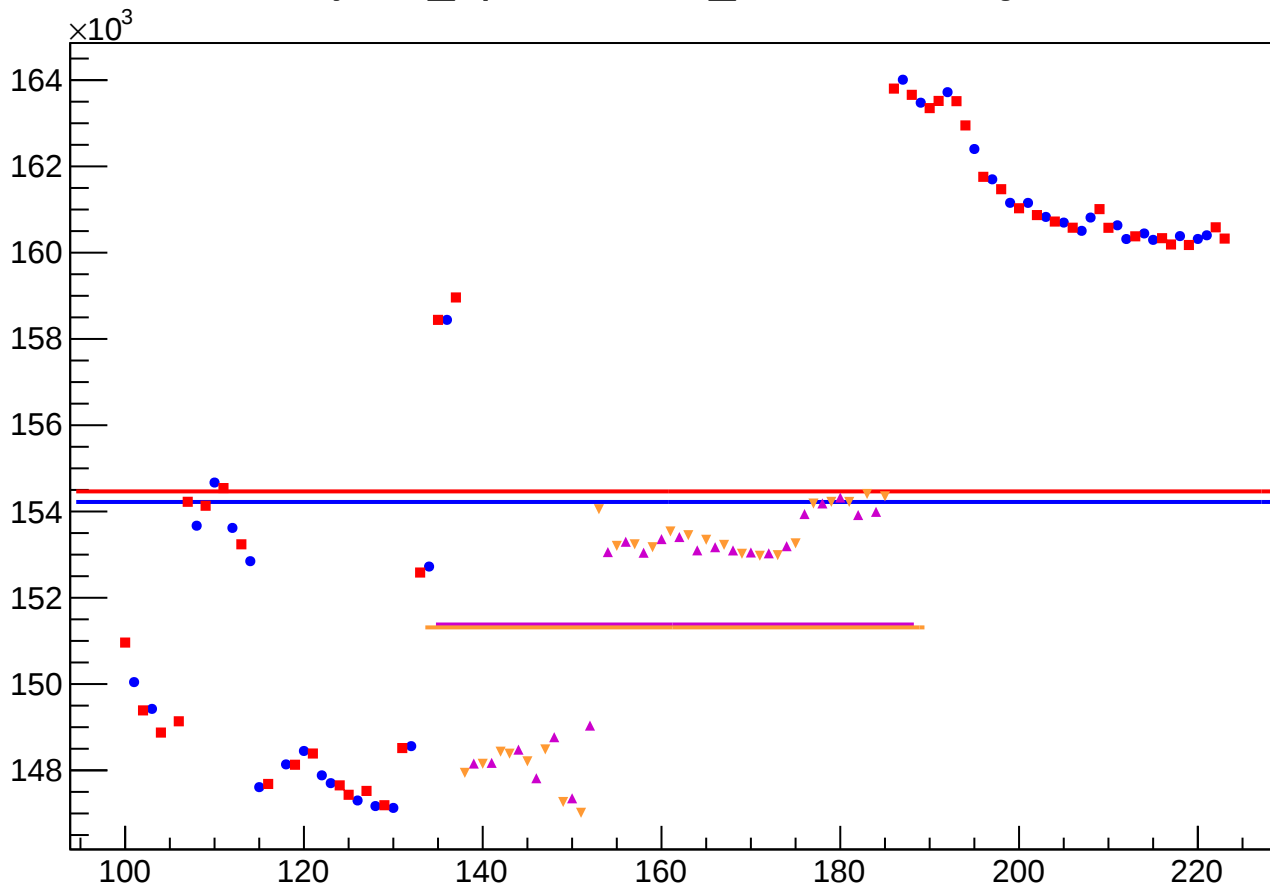
Left In: 0.805+/-0.000 χ^2/NDF : 480510.8/22

+ sign 0.814+/-0.000 χ^2/NDF : 4371055.2/59

All: 0.812+/-0.000 χ^2/NDF : 9143969.3/121

- sign 0.811+/-0.000 χ^2/NDF : 4772241.7/61

yield_bpm0i01WS_mean vs Slug



Right In: 154220.873 $\pm$ 0.051 χ^2 /NDF: 12877837760.6/34

Left Out: 151313.284 $\pm$ 0.049 χ^2 /NDF: 3153768134.8/24

Right Out: 154465.827 $\pm$ 0.049 χ^2 /NDF: 13472418960.5/38

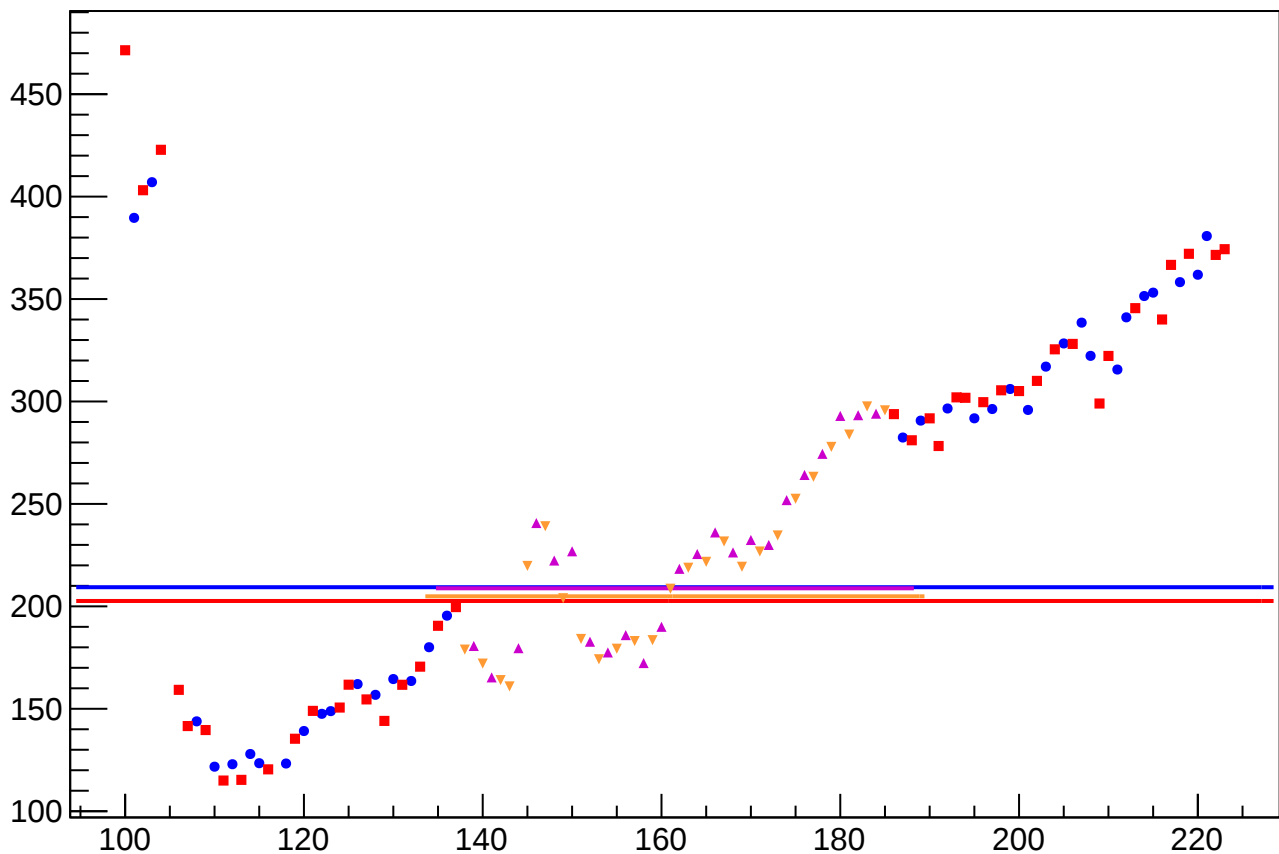
Left In: 151380.236 $\pm$ 0.051 χ^2 /NDF: 2363895785.3/22

+ sign 152685.433 $\pm$ 0.035 χ^2 /NDF: 17714901344.

All: 152834.793 $\pm$ 0.025 χ^2 /NDF: 354764924

- sign 152984.872 $\pm$ 0.035 χ^2 /NDF: 17725858214.7

yield_bpm0i01WS_rms vs Slug



Right In: 209.345 $\pm$ 0.036 χ^2 /NDF: 6133666.3/34

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 202.622 $\pm$ 0.035 χ^2 /NDF: 6549473.9/38

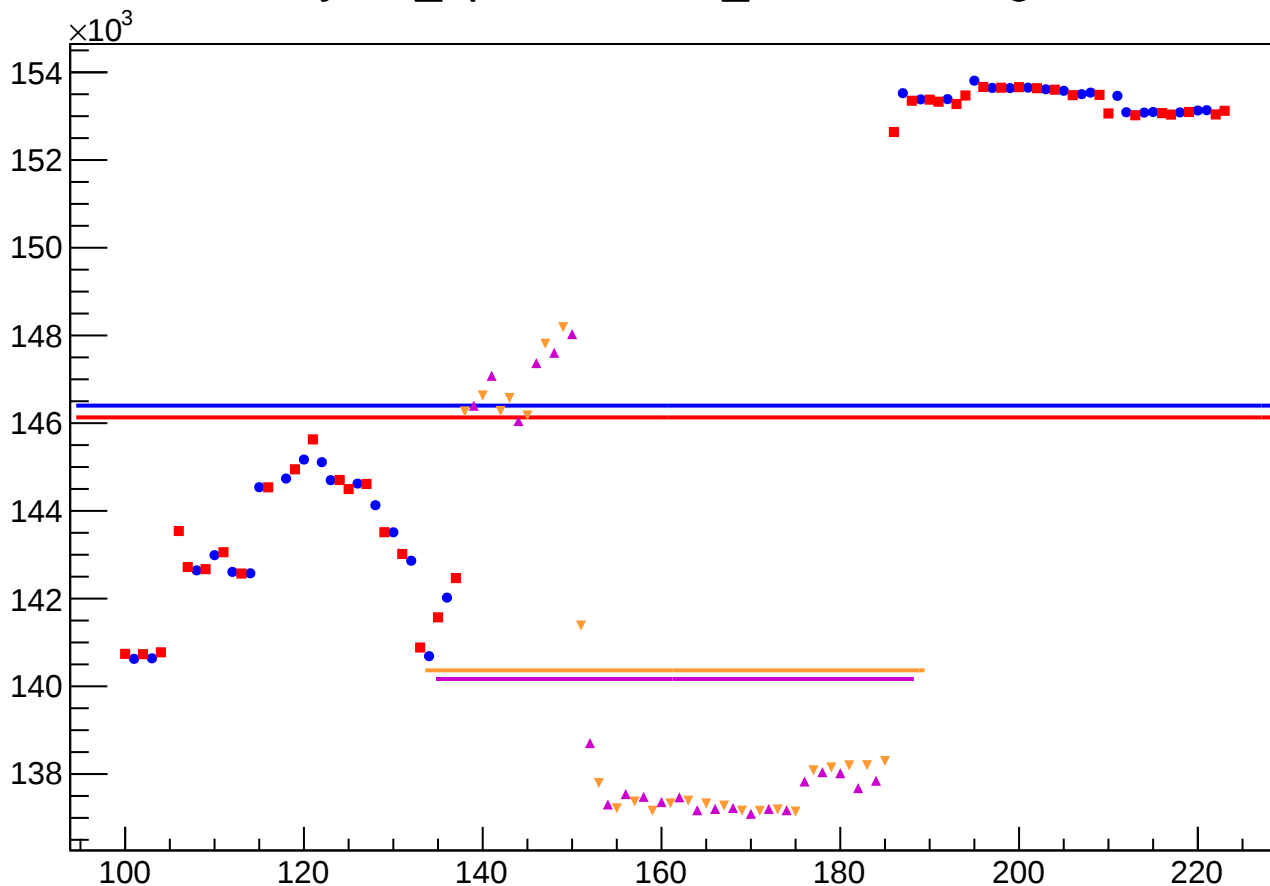
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 206.998 $\pm$ 0.025 χ^2 /NDF: 7197917.4/59

All: 206.297 $\pm$ 0.018 χ^2 /NDF: 14766112.3/12

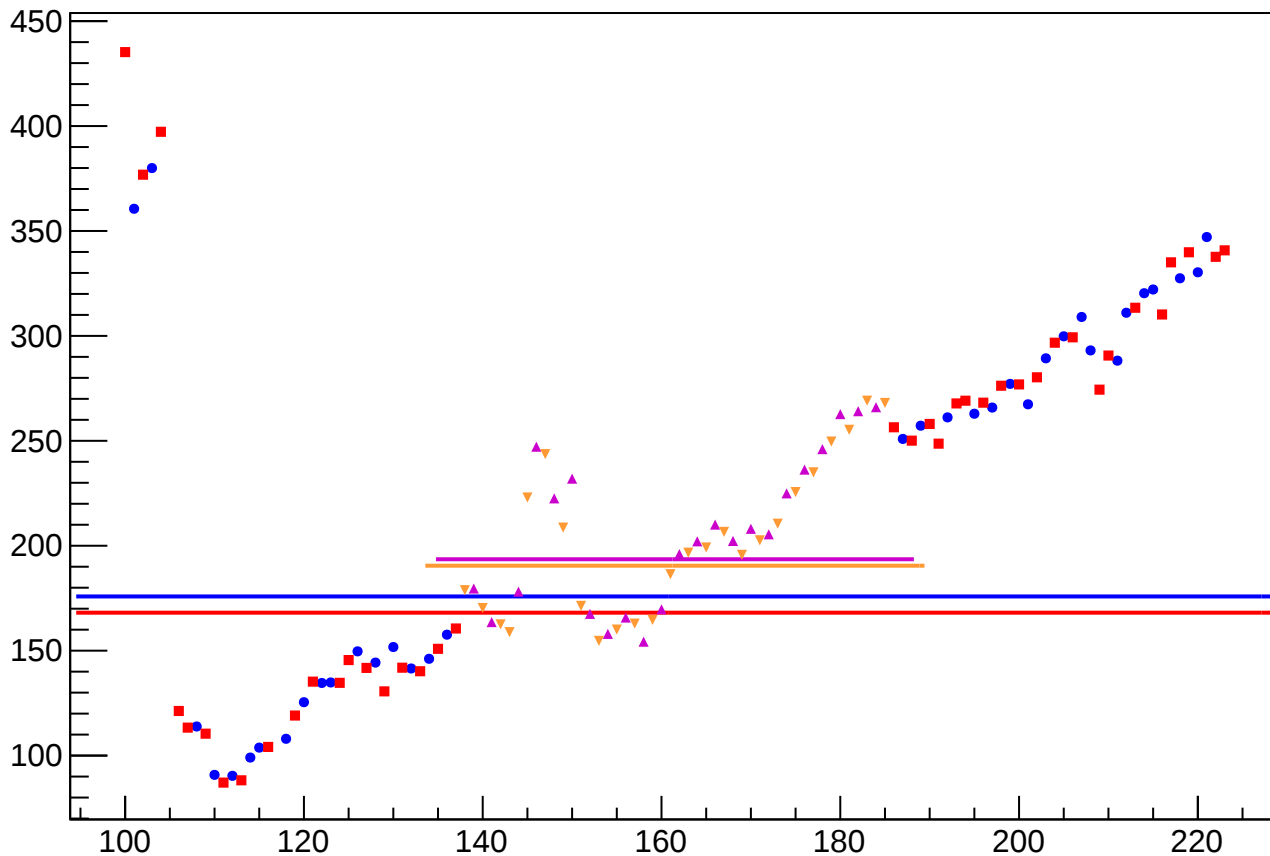
- sign 205.593 $\pm$ 0.025 χ^2 /NDF: 7566622.9/61

yield_bpm0i01aWS_mean vs Slug



Right In: 146400.342 $\pm$ 0.044	χ^2 /NDF: 11401189001.9/34	+ sign 143452.896 $\pm$ 0.032	χ^2 /NDF: 29195430372.2
Left Out: 140364.444 $\pm$ 0.045	χ^2 /NDF: 8677078677.7/24	All: 143497.036 $\pm$ 0.022	χ^2 /NDF: 586649909.1
Right Out: 146131.582 $\pm$ 0.042	χ^2 /NDF: 12500548002.2/38	- sign 143540.278 $\pm$ 0.031	χ^2 /NDF: 29465697548.9
Left In: 140166.971 $\pm$ 0.047	χ^2 /NDF: 8028464654.6/22		

yield_bpm0i01aWS_rms vs Slug



Right In: 175.837 $\pm$ 0.031 χ^2 /NDF: 7508522.5/34

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF:950233.2/24

Right Out: 168.101 $\pm$ 0.029 χ^2 /NDF: 8035187.0/38

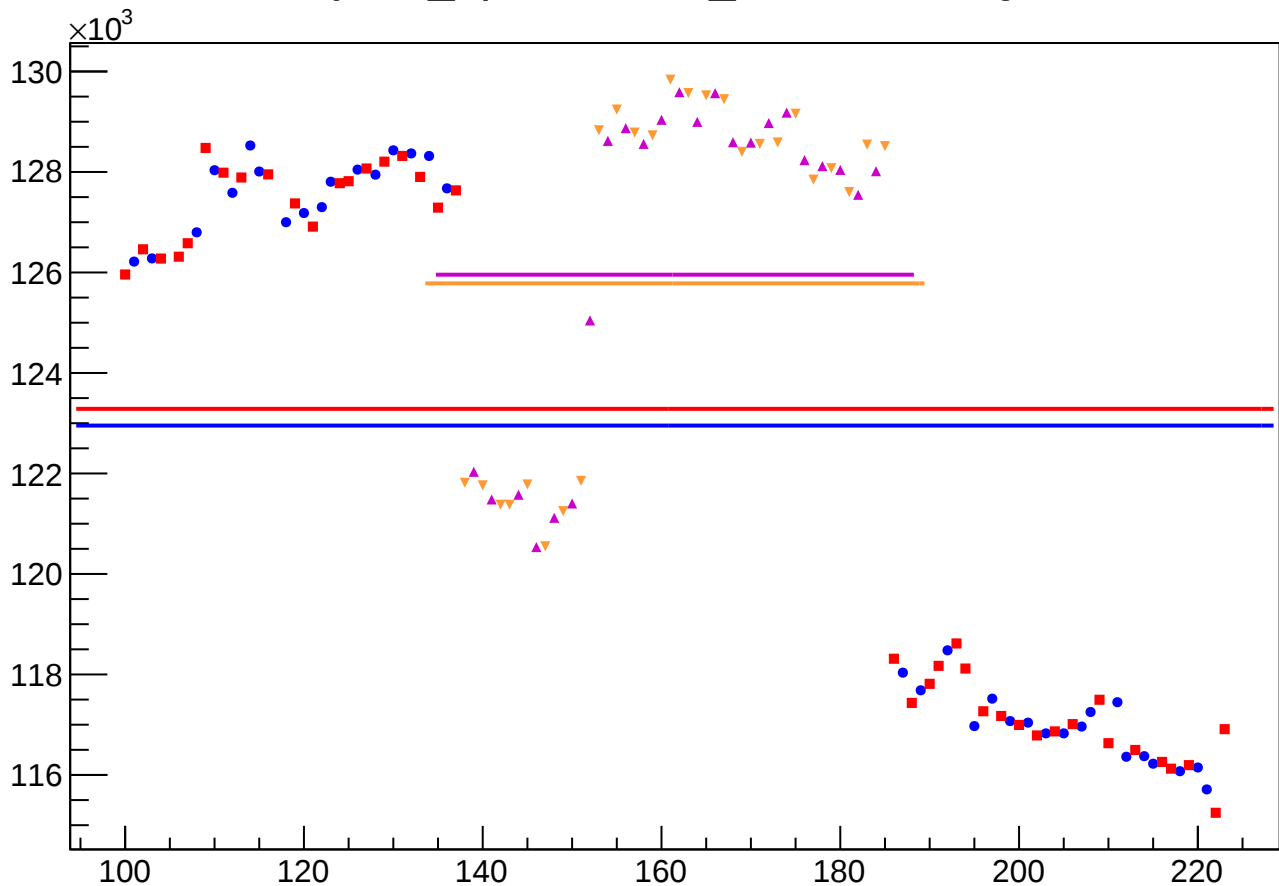
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF:963675.0/22

+ sign 182.990 $\pm$ 0.022 χ^2 /NDF: 8566165.1/59

All: 181.056 $\pm$ 0.016 χ^2 /NDF: 17905436.5/12

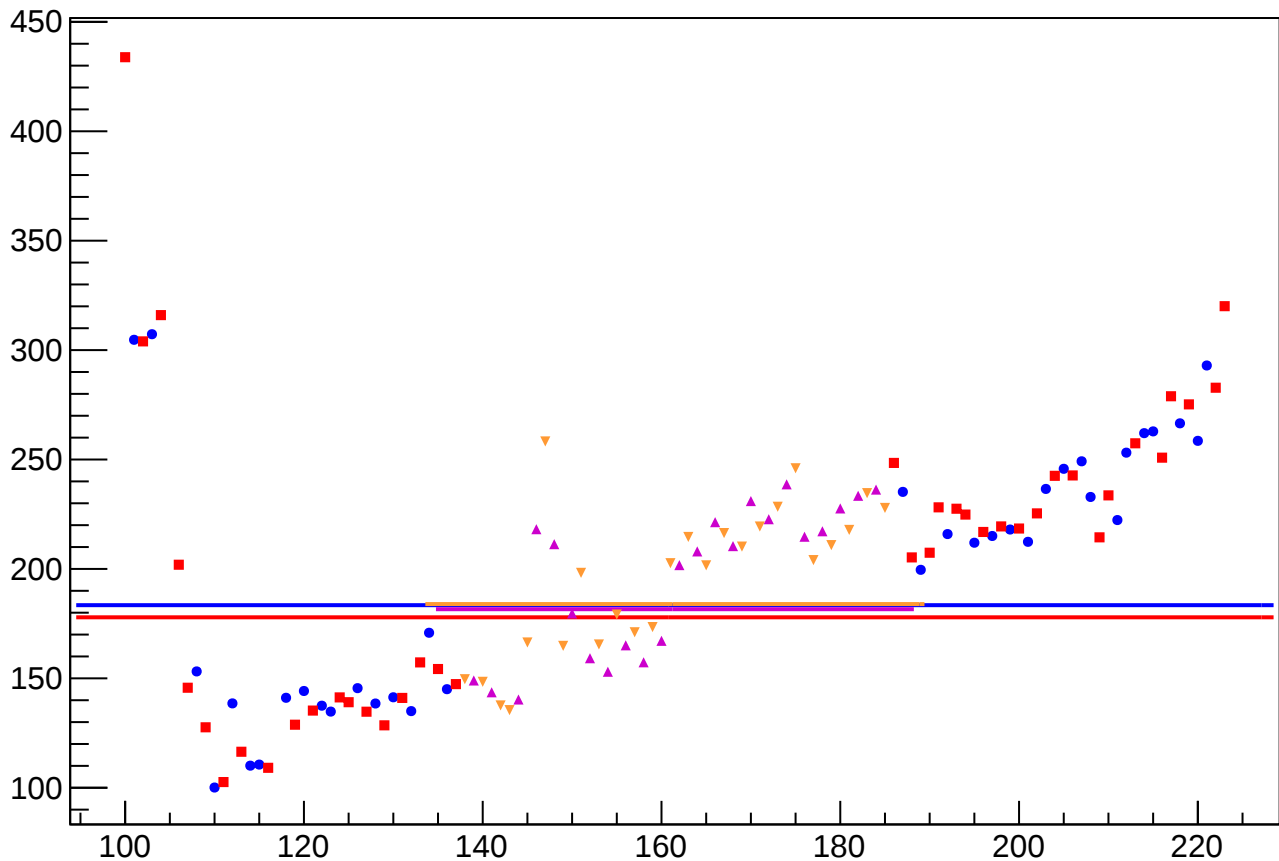
- sign 179.161 $\pm$ 0.022 χ^2 /NDF: 9324435.7/61

yield_bpm0l01WS_mean vs Slug



Right In: 122953.134+/-0.043	χ^2/NDF : 15250627495.9/34	+ sign 124348.446+/-0.031	χ^2/NDF : 24076444368.0
Left Out: 125782.764+/-0.044	χ^2/NDF : 6729761889.8/24	All: 124436.361+/-0.022	χ^2/NDF : 478778840
Right Out: 123286.018+/-0.042	χ^2/NDF : 16074858644.7/38	- sign 124521.939+/-0.030	χ^2/NDF : 23785464909.9
Left In: 125955.637+/-0.045	χ^2/NDF : 5804088930.1/22		

yield_bpm0l01WS_rms vs Slug



Right In: 183.438 $\pm$ 0.031 χ^2 /NDF: 3331456.2/34

Left Out: 183.947 $\pm$ 0.031 χ^2 /NDF:1123194.0/24

Right Out: 177.889 $\pm$ 0.029 χ^2 /NDF: 3921623.3/38

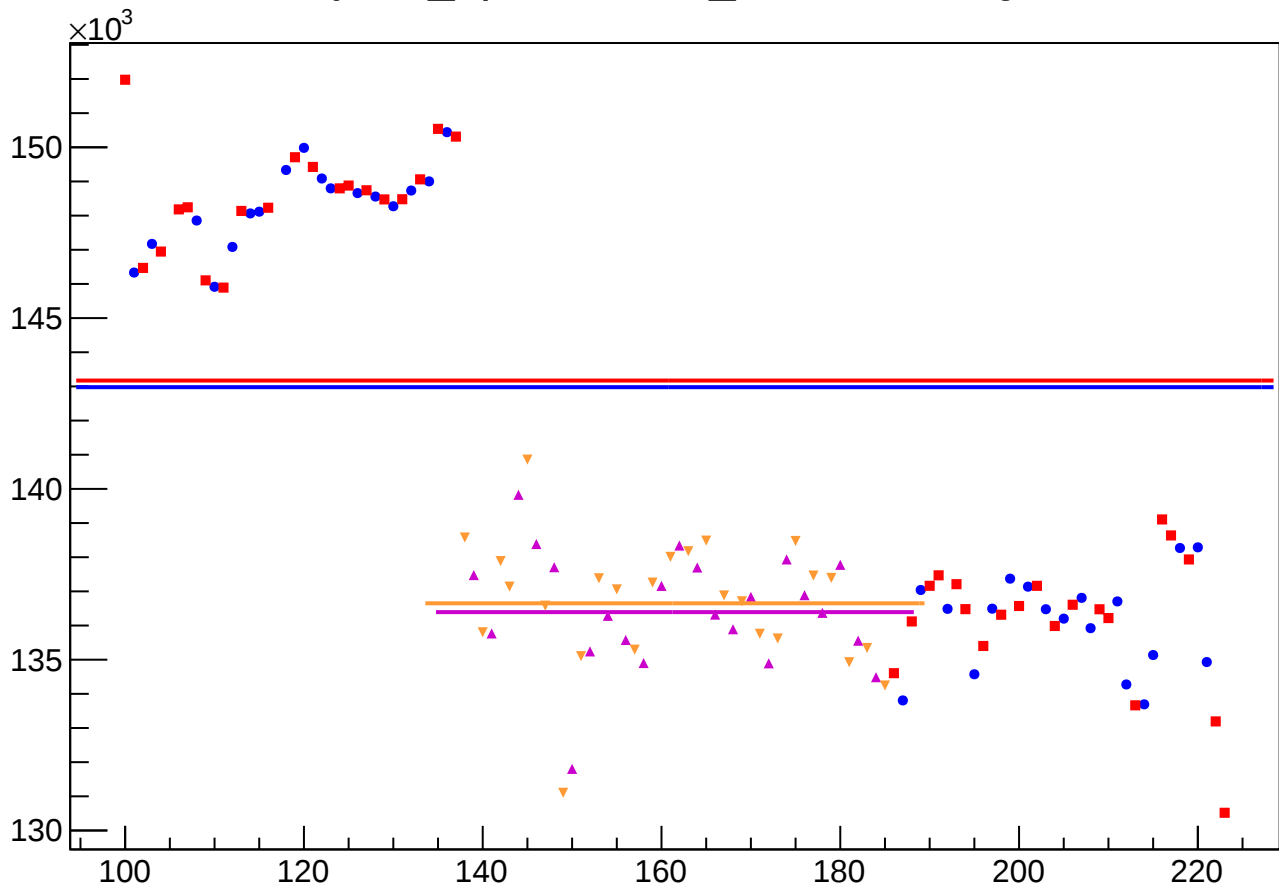
Left In: 181.596 $\pm$ 0.032 χ^2 /NDF:1103524.3/22

+ sign 183.689 $\pm$ 0.022 χ^2 /NDF: 4454785.7/59

All: 181.619 $\pm$ 0.015 χ^2 /NDF: 9504986.3/123

- sign 179.605 $\pm$ 0.022 χ^2 /NDF: 5032498.7/61

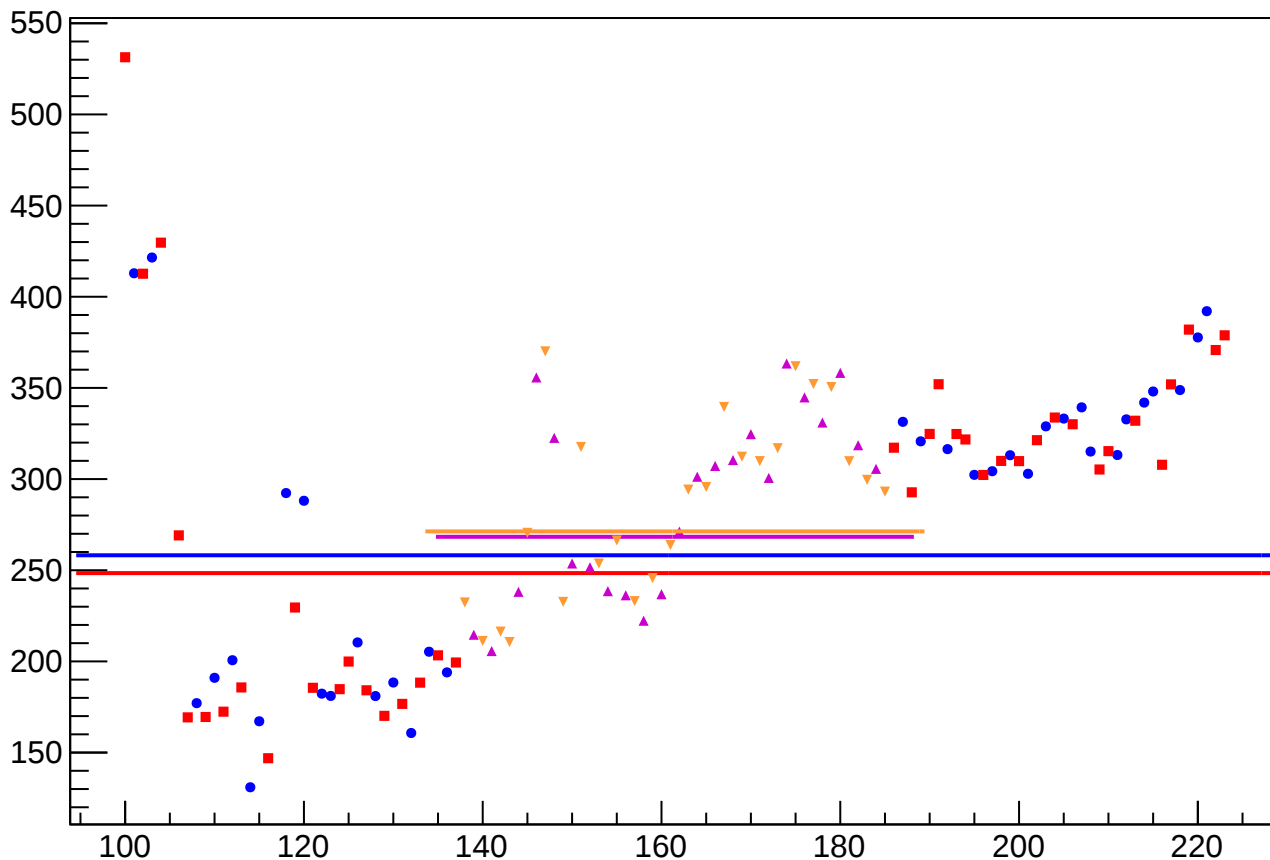
yield_bpm0l02WS_mean vs Slug



Right In: 142977.598 ± 0.061 $\chi^2/\text{NDF}: 10520010428.4/34$
 Left Out: 136650.935 ± 0.065 $\chi^2/\text{NDF}: 930649595.5/24$
 Right Out: 143172.181 ± 0.058 $\chi^2/\text{NDF}: 11139556856.8/38$
 Left In: 136392.188 ± 0.066 $\chi^2/\text{NDF}: 701986841.4/22$

+ sign 139996.658 ± 0.044 $\chi^2/\text{NDF}: 16518840135.5/24$
 All: 140112.407 ± 0.031 $\chi^2/\text{NDF}: 343433797.5/38$
 - sign 140223.721 ± 0.044 $\chi^2/\text{NDF}: 17811183714.3/24$

yield_bpm0l02WS_rms vs Slug



Right In: 258.205+/-0.043 χ^2/NDF : 3249003.1/34

Left Out: 271.295+/-0.046 χ^2/NDF :1064485.7/24

Right Out: 248.427+/-0.041 χ^2/NDF : 3530951.9/38

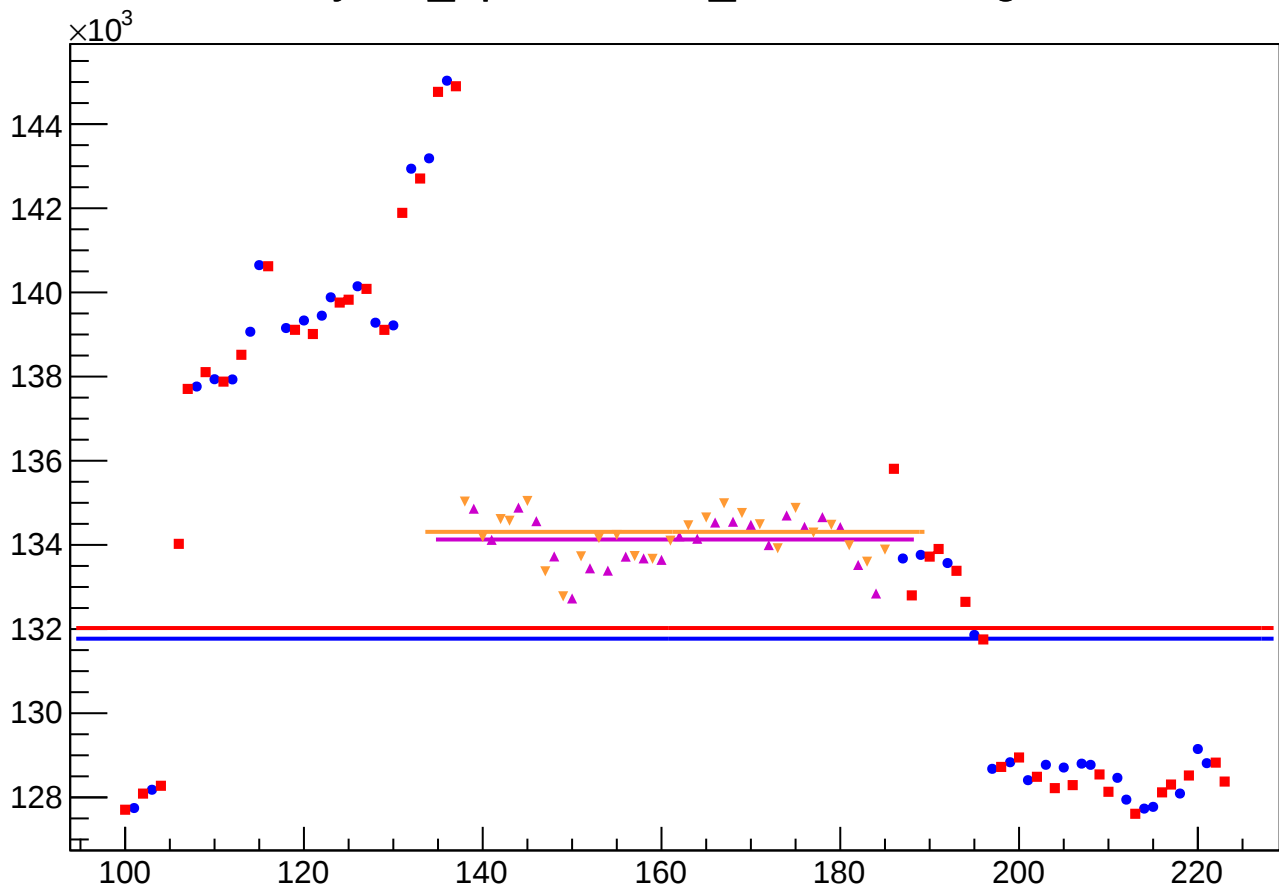
Left In: 268.344+/-0.047 χ^2/NDF :1077364.0/22

+ sign 264.373+/-0.031 χ^2/NDF : 4356881.1/59

All: 260.659+/-0.022 χ^2/NDF : 9095708.3/123

- sign 257.088+/-0.031 χ^2/NDF : 4711336.6/61

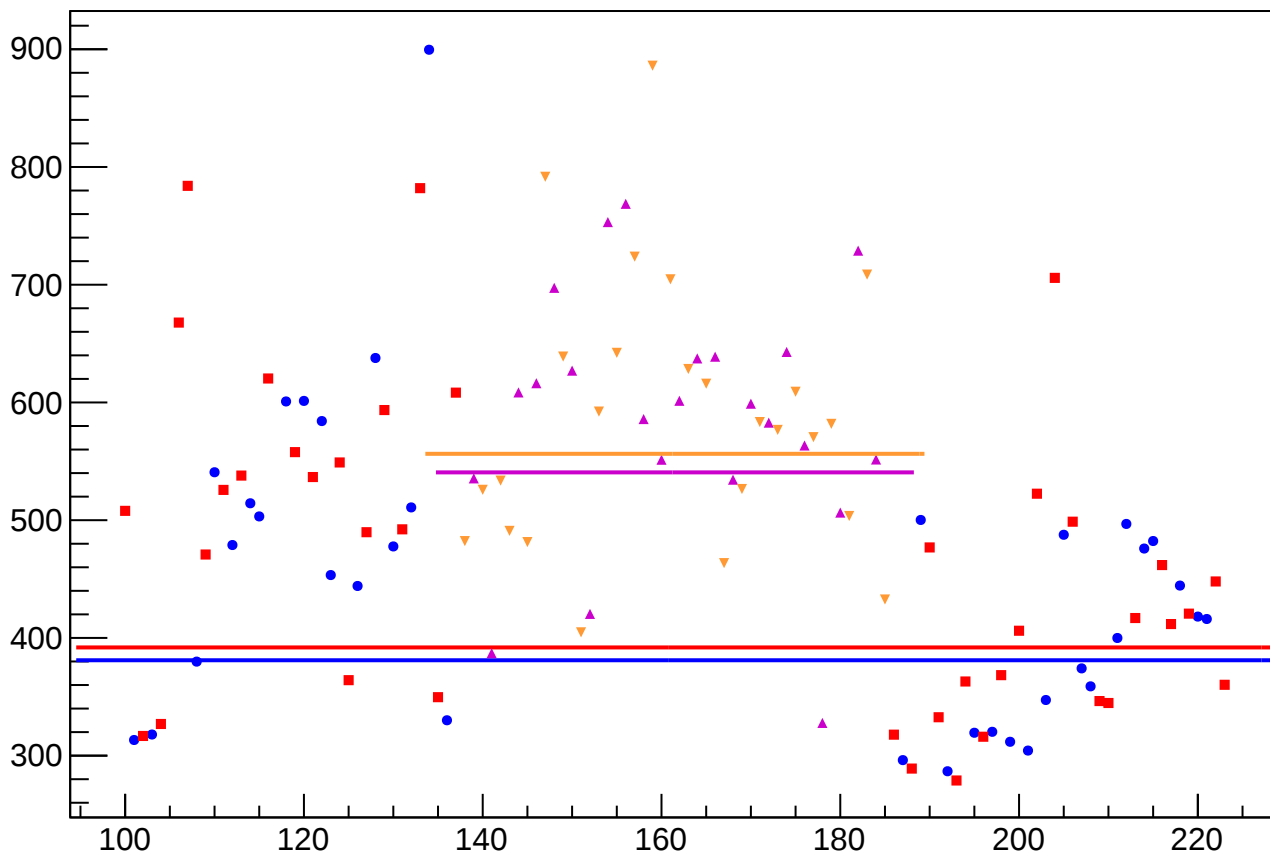
yield_bpm0l03WS_mean vs Slug



Right In: 131771.402 ± 0.096 $\chi^2/\text{NDF}: 2908867810.7/34$
 Left Out: 134310.250 ± 0.139 $\chi^2/\text{NDF}: 15518632.9/24$
 Right Out: 132024.407 ± 0.099 $\chi^2/\text{NDF}: 2172998247.2/38$
 Left In: 134128.172 ± 0.142 $\chi^2/\text{NDF}: 15533736.2/22$

+ sign 132599.881 ± 0.079 $\chi^2/\text{NDF}: 3150576897.5$
 All: 132652.708 ± 0.057 $\chi^2/\text{NDF}: 548822219$
 - sign 132707.944 ± 0.081 $\chi^2/\text{NDF}: 2336734052.3/$

yield_bpm0l03WS_rms vs Slug



Right In: 381.033+/-0.068 χ^2/NDF : 1595332.1/34

Left Out: 556.381+/-0.098 χ^2/NDF : 1002064.0/24

Right Out: 391.923+/-0.070 χ^2/NDF : 2001531.9/38

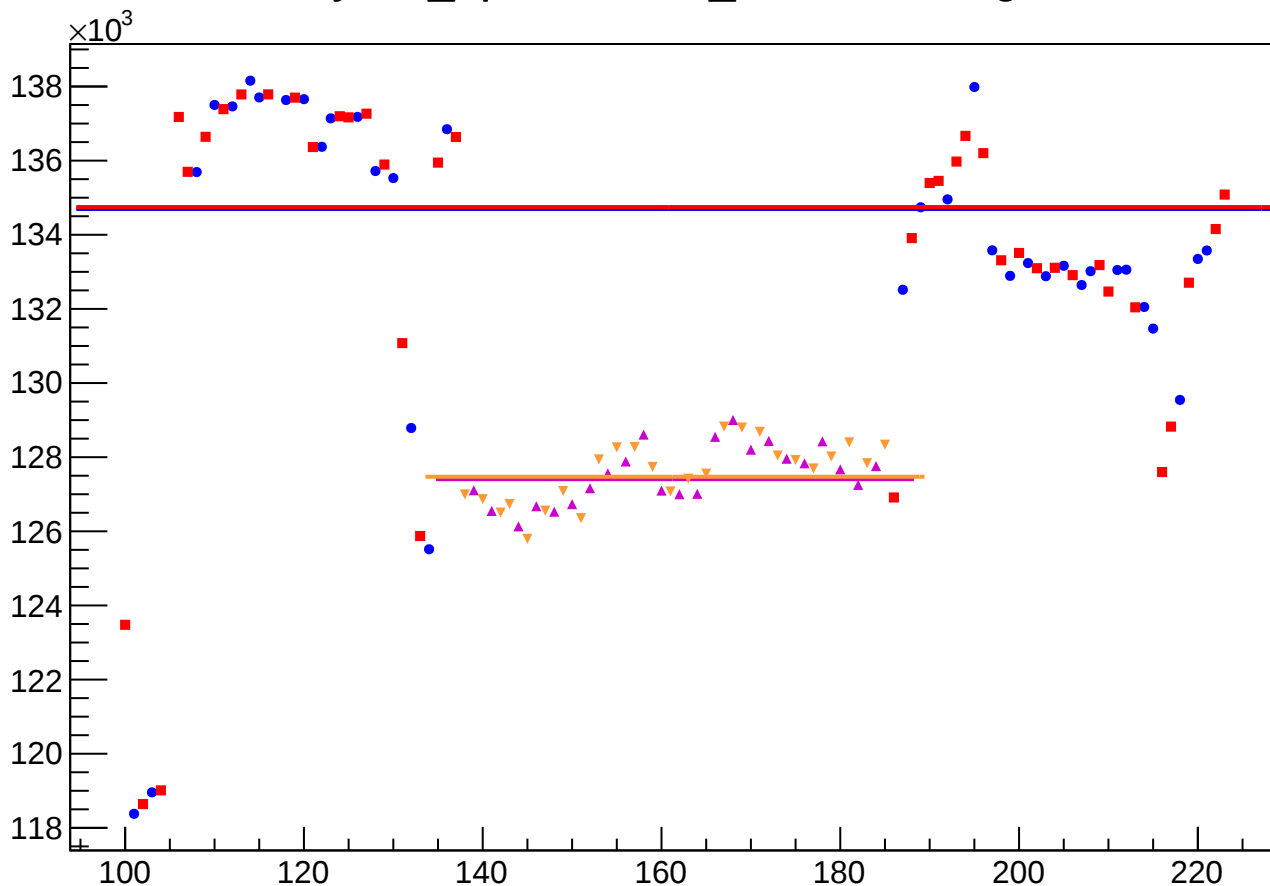
Left In: 540.607+/-0.100 χ^2/NDF : 1409015.2/22

+ sign 438.253+/-0.056 χ^2/NDF : 4755305.9/59

All: 439.221+/-0.040 χ^2/NDF : 9646994.0/123

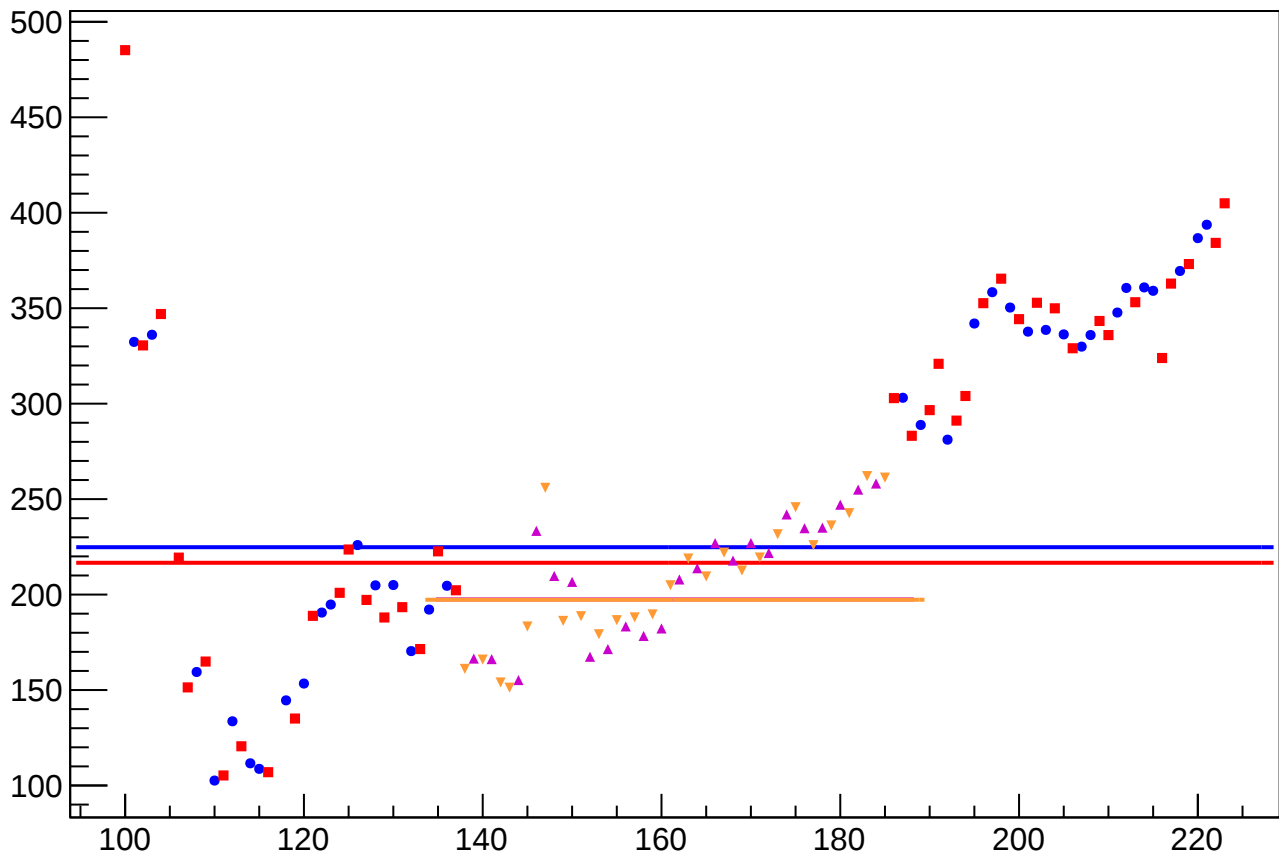
- sign 440.232+/-0.057 χ^2/NDF : 4891076.8/61

yield_bpm0l04WS_mean vs Slug



Right In: 134695.741 ± 0.055 $\chi^2/\text{NDF}: 5193914045.5/34$ $+ \text{sign } 130482.886 \pm 0.036$ $\chi^2/\text{NDF}: 15401805587.$
 Left Out: 127472.525 ± 0.047 $\chi^2/\text{NDF}: 303609315.6/24$ All: 130624.587 ± 0.025 $\chi^2/\text{NDF}: 321471911.$
 Right Out: 134748.342 ± 0.053 $\chi^2/\text{NDF}: 5904109273.2/38$ $- \text{sign } 130765.029 \pm 0.036$ $\chi^2/\text{NDF}: 16714162818.8$
 Left In: 127406.911 ± 0.048 $\chi^2/\text{NDF}: 269927988.0/22$

yield_bpm0l04WS_rms vs Slug



Right In: 224.813 $\pm$ 0.039 χ^2 /NDF: 6013430.8/34

Left Out: 197.289 $\pm$ 0.033 χ^2 /NDF: 852024.1/24

Right Out: 216.653 $\pm$ 0.037 χ^2 /NDF: 6481793.4/38

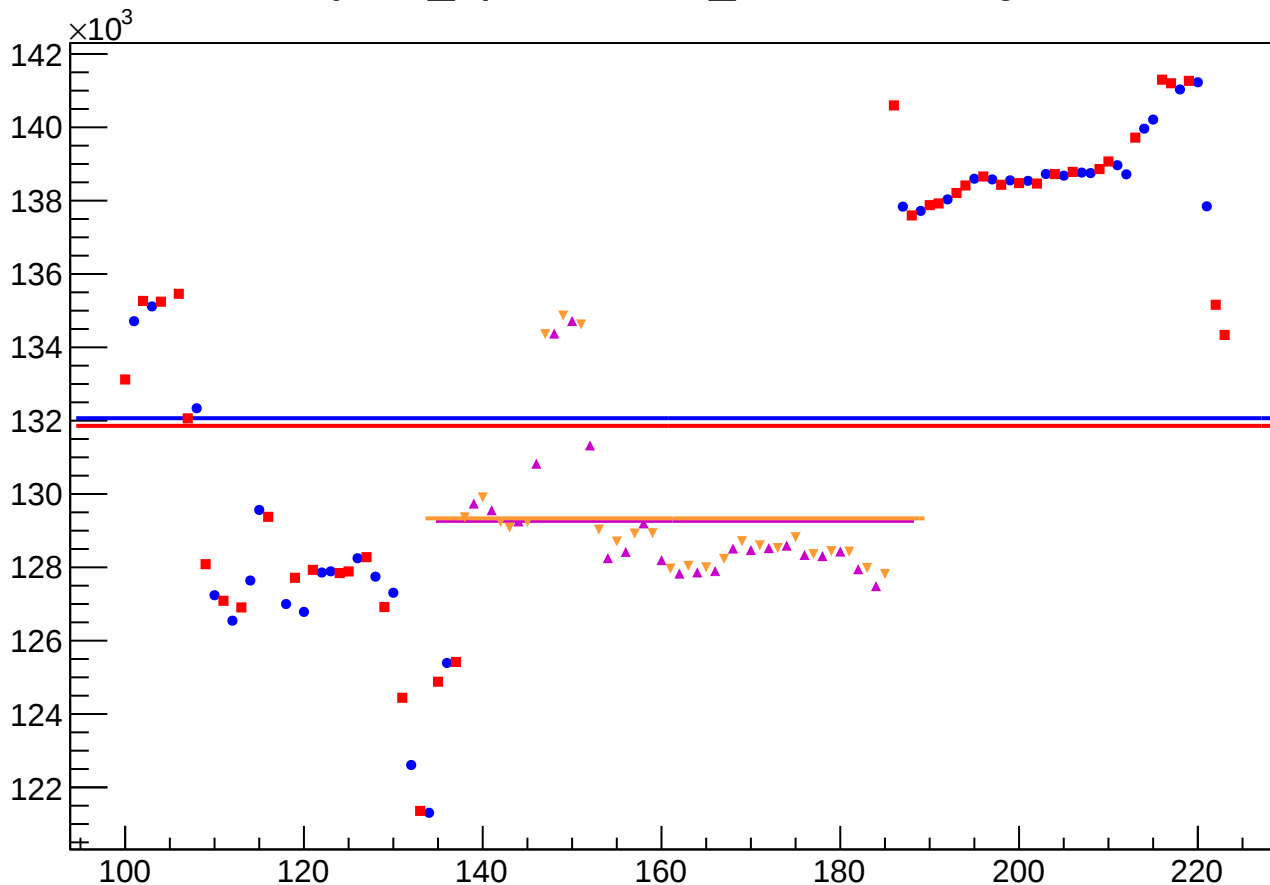
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 208.760 $\pm$ 0.025 χ^2 /NDF: 7153071.2/59

All: 207.497 $\pm$ 0.018 χ^2 /NDF: 14575318.9/12

- sign 206.245 $\pm$ 0.025 χ^2 /NDF: 7417286.1/61

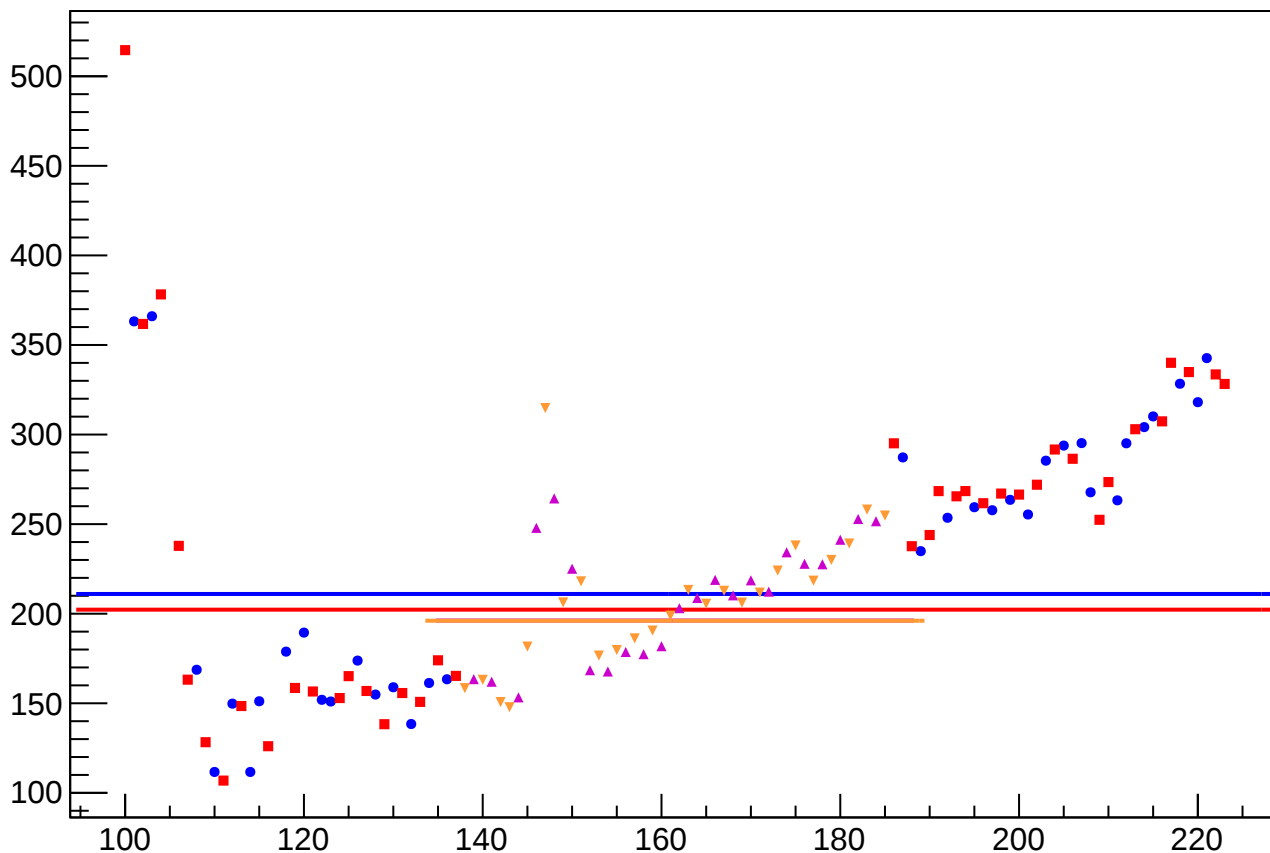
yield_bpm0l05WS_mean vs Slug



Right In: 132066.938 $\pm$ 0.050 χ^2 /NDF: 15141735279.3/34
 Left Out: 129335.946 $\pm$ 0.047 χ^2 /NDF: 1450933621.0/24
 Right Out: 131858.740 $\pm$ 0.048 χ^2 /NDF: 15547130397.1/38
 Left In: 129266.909 $\pm$ 0.048 χ^2 /NDF: 1213762773.1/22

+ sign 130596.005 $\pm$ 0.034 χ^2 /NDF: 18168735328.
 All: 130582.095 $\pm$ 0.024 χ^2 /NDF: 363847011.
 - sign 130568.442 $\pm$ 0.034 χ^2 /NDF: 18215639848.1

yield_bpm0l05WS_rms vs Slug



Right In: 211.014 $\pm$ 0.036 χ^2 /NDF: 3928657.5/34

Left Out: 196.077 $\pm$ 0.033 χ^2 /NDF: 975710.9/24

Right Out: 202.260 $\pm$ 0.034 χ^2 /NDF: 4695166.4/38

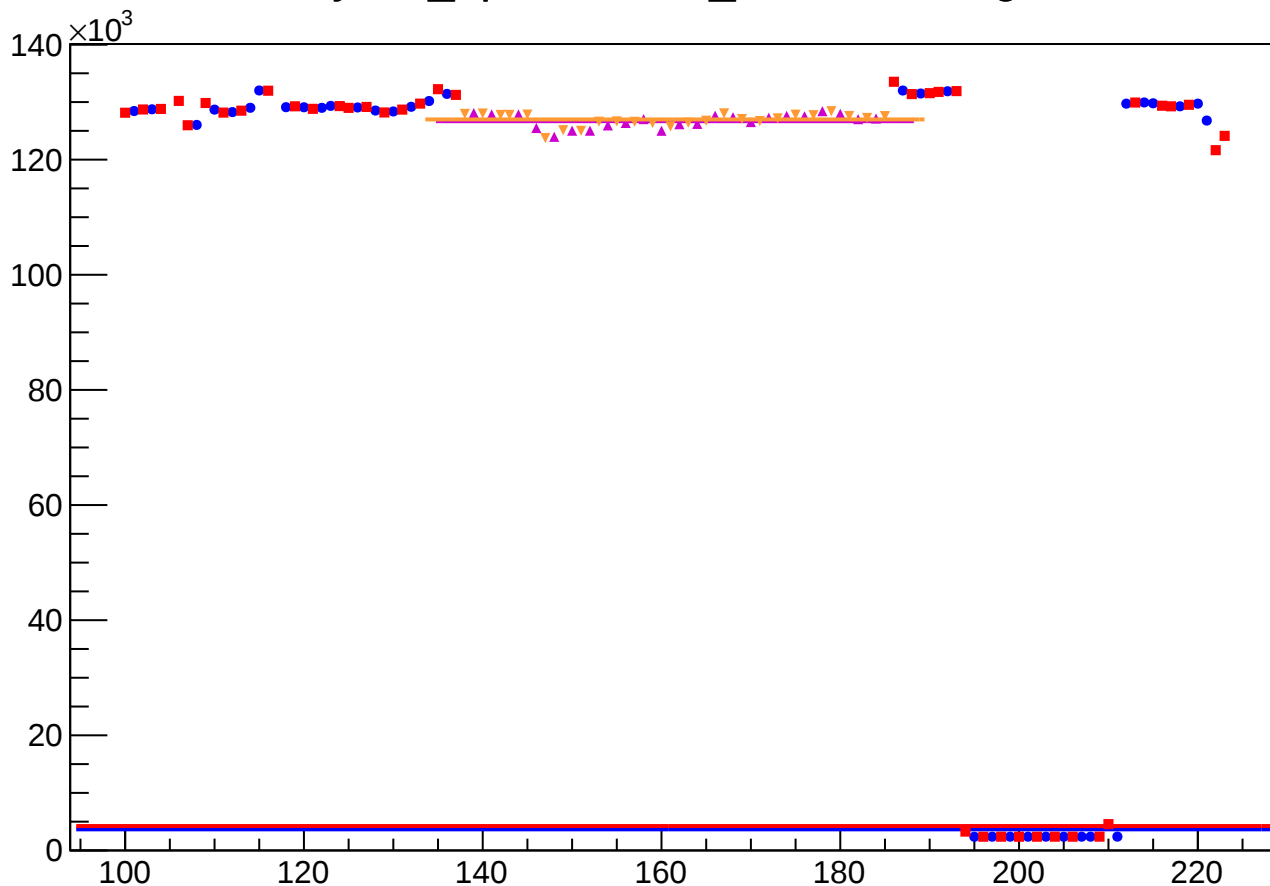
Left In: 196.186 $\pm$ 0.034 χ^2 /NDF: 898058.0/22

+ sign 202.969 $\pm$ 0.024 χ^2 /NDF: 4998665.2/59

All: 201.085 $\pm$ 0.017 χ^2 /NDF: 10619827.9/12

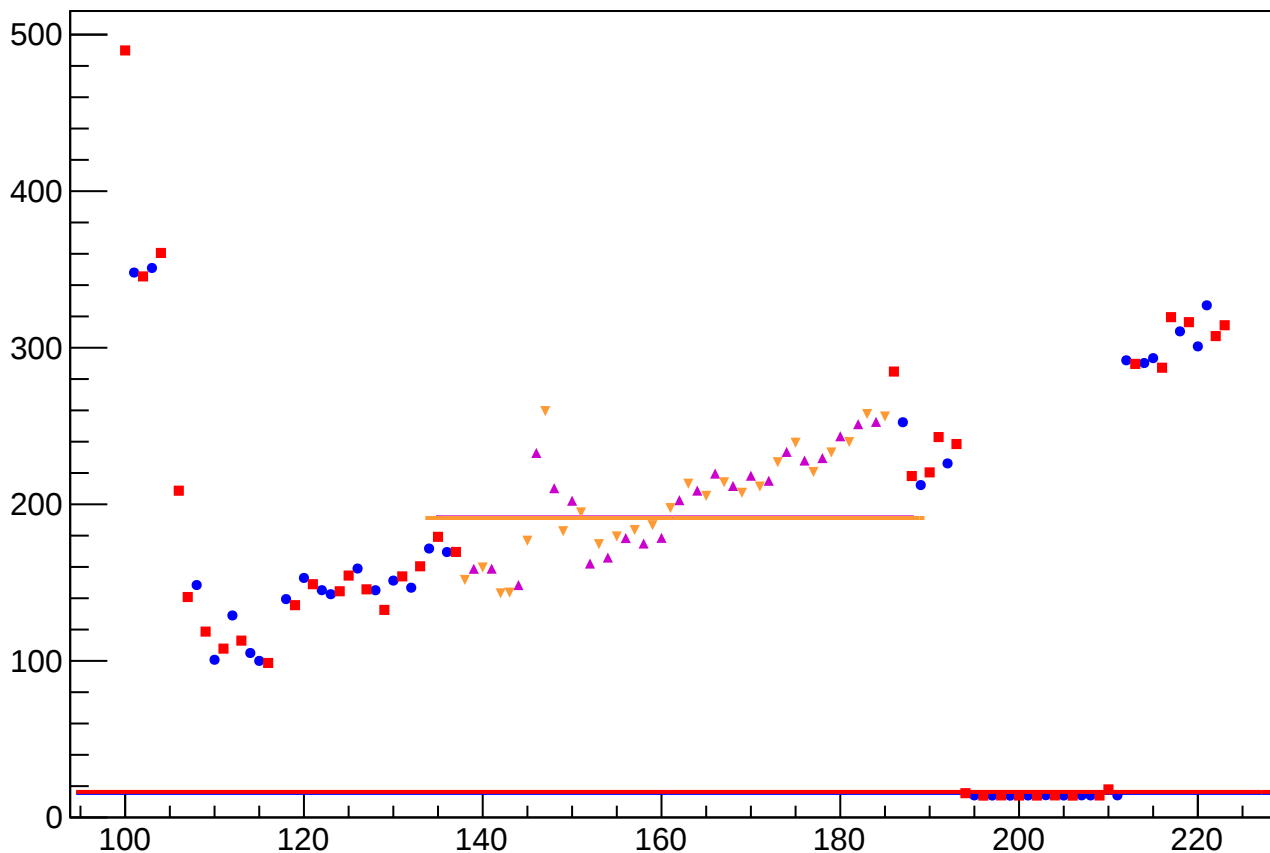
- sign 199.236 $\pm$ 0.024 χ^2 /NDF: 5609203.4/61

yield_bpm0l06WS_mean vs Slug



Right In: 3667.740 ± 0.005 χ^2/NDF : 5689295007252.8/34
 Left Out: 126981.724 ± 0.046 χ^2/NDF : 530573115.8/24
 Right Out: 4239.331 ± 0.006 χ^2/NDF : 6484663731430.6/38
 Left In: 126682.659 ± 0.047 χ^2/NDF : 660415880.0/22
 + sign 5322.824 ± 0.005 χ^2/NDF : 12929211805113
 All: 5676.549 ± 0.004 χ^2/NDF : 26110098160
 - sign 6104.315 ± 0.006 χ^2/NDF : 13170947696384

yield_bpm0l06WS_rms vs Slug



Right In: 15.680 ± 0.004 $\chi^2/\text{NDF}: 21671903.1/34$

Left Out: 191.263 ± 0.032 $\chi^2/\text{NDF}: 992566.2/24$

Right Out: 16.312 ± 0.004 $\chi^2/\text{NDF}: 22957255.9/38$

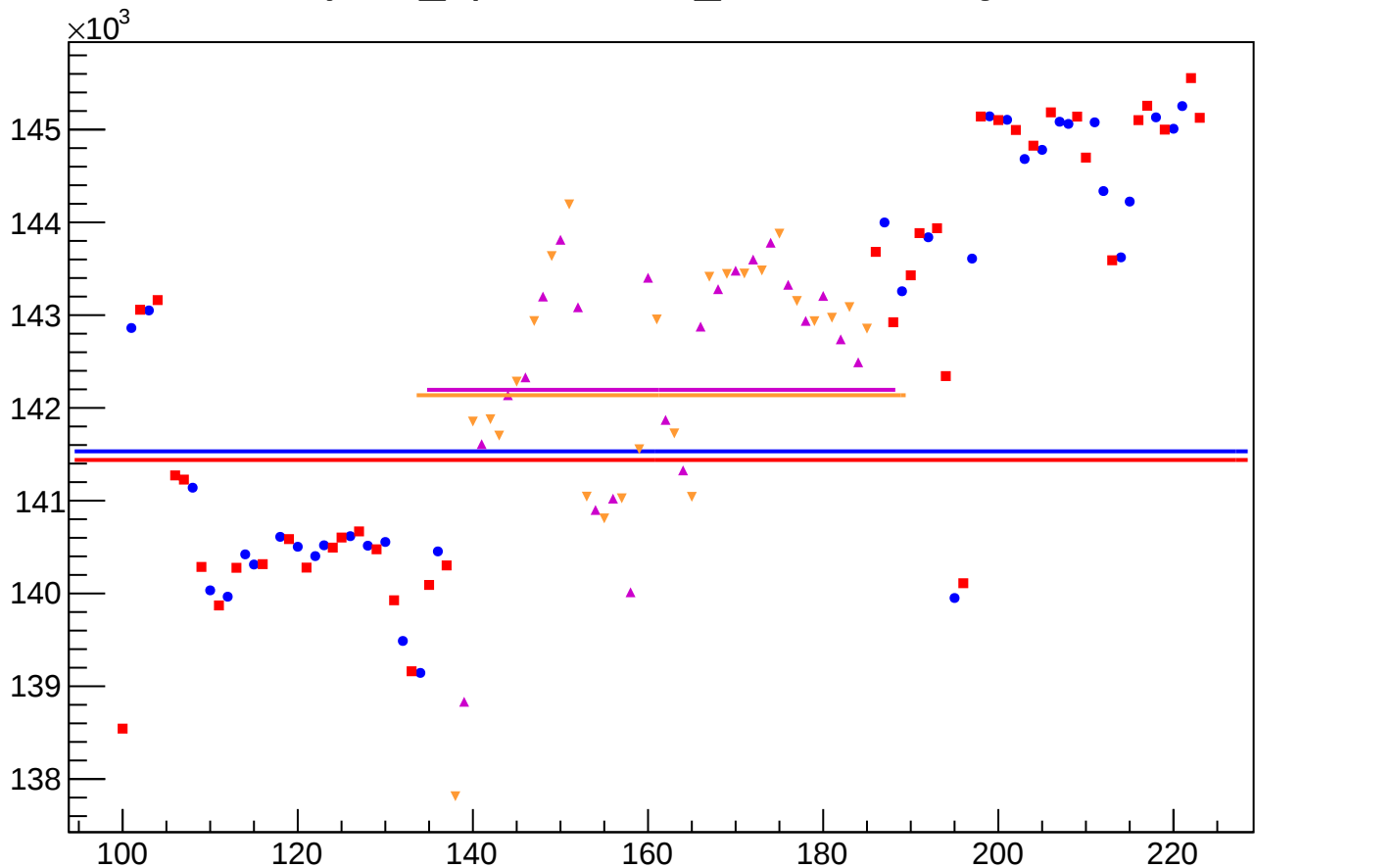
Left In: 191.683 ± 0.033 $\chi^2/\text{NDF}: 864384.9/22$

+ sign 18.036 ± 0.004 $\chi^2/\text{NDF}: 52018899.6/59$

All: 18.465 ± 0.003 $\chi^2/\text{NDF}: 103298973.7/12$

- sign 18.983 ± 0.004 $\chi^2/\text{NDF}: 51250884.6/61$

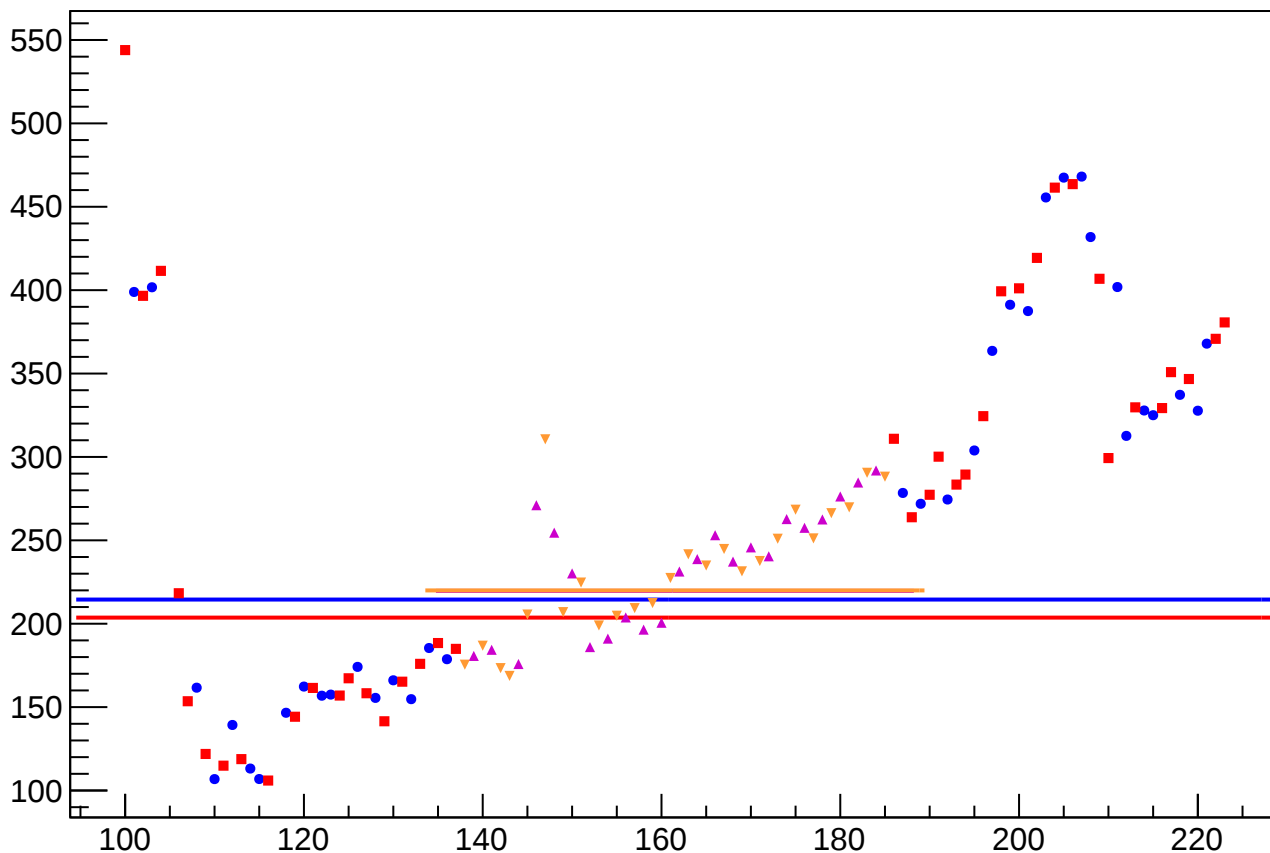
yield_bpm0l07WS_mean vs Slug



Right In: 141532.039 ± 0.054 $\chi^2/\text{NDF}: 1302898487.7/34$
 Left Out: 142136.579 ± 0.052 $\chi^2/\text{NDF}: 815573343.0/24$
 Right Out: 141438.832 ± 0.050 $\chi^2/\text{NDF}: 1405793128.0/38$
 Left In: 142195.020 ± 0.054 $\chi^2/\text{NDF}: 644030906.9/22$

+ sign 141842.130 ± 0.037 $\chi^2/\text{NDF}: 2183486250.0/24$
 All: 141816.160 ± 0.026 $\chi^2/\text{NDF}: 433951824.0/24$
 - sign 141791.163 ± 0.037 $\chi^2/\text{NDF}: 2155089474.7/24$

yield_bpm0l07WS_rms vs Slug



Right In: 214.490+/-0.038 χ^2/NDF : 7179111.2/34

Left Out: 219.969+/-0.037 χ^2/NDF : 866616.3/24

Right Out: 203.665+/-0.036 χ^2/NDF : 7739276.0/38

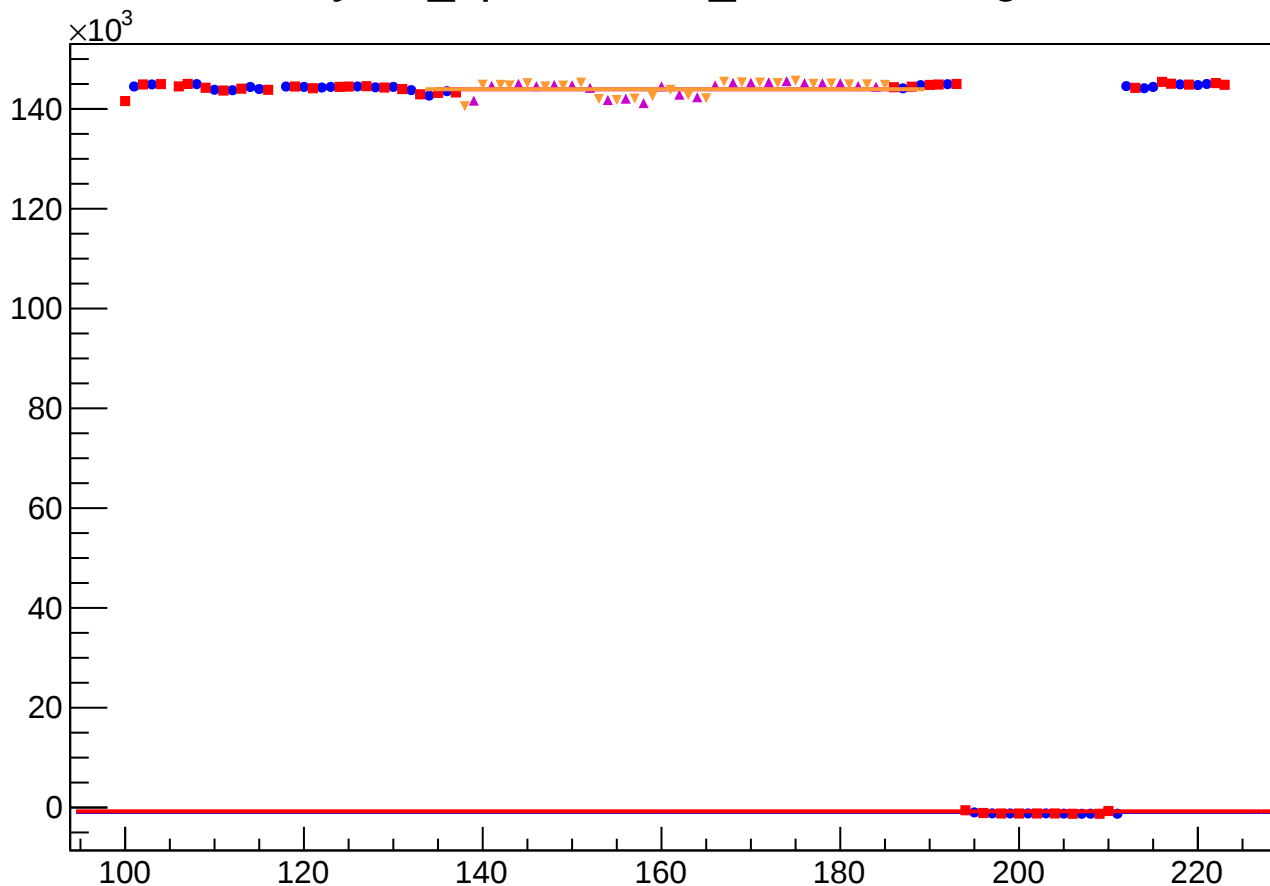
Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

+ sign 217.301+/-0.026 χ^2/NDF : 8056406.9/59

All: 214.156+/-0.019 χ^2/NDF : 16730545.8/12

- sign 211.129+/-0.026 χ^2/NDF : 8646500.8/61

yield_bpm0l08WS_mean vs Slug



Right In: -898.504 ± 0.003 χ^2/NDF : 6182678808711.6/34

Left Out: 143951.284 ± 0.052 χ^2/NDF : 864679545.2/24

Right Out: -765.790 ± 0.003 χ^2/NDF : 7141484709943.2/38

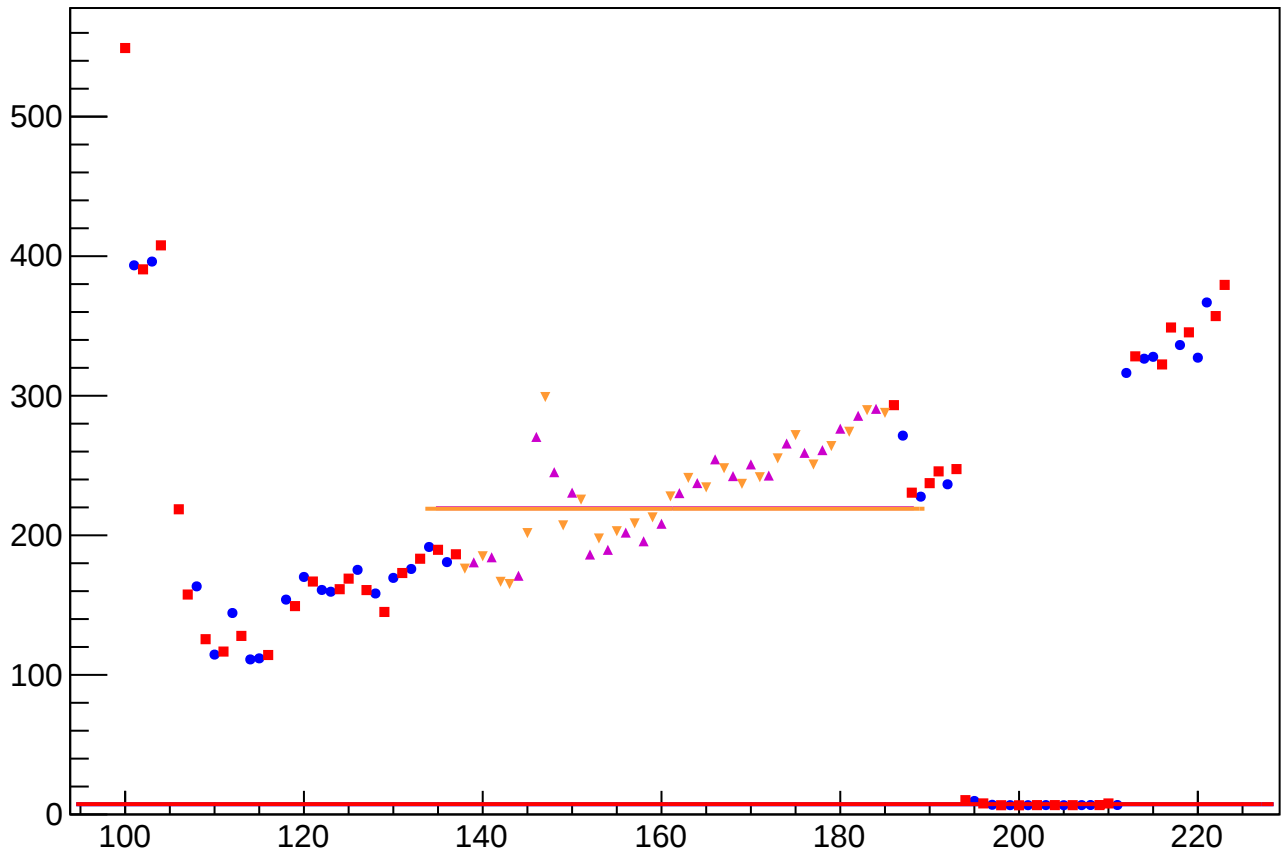
Left In: 143938.288 ± 0.054 χ^2/NDF : 719814685.6/22

+ sign -529.268 ± 0.003 χ^2/NDF : 13882949526172

All: -447.499 ± 0.002 χ^2/NDF : 28229715831

- sign -348.951 ± 0.003 χ^2/NDF : 14344638334510

yield_bpm0l08WS_rms vs Slug



Right In: 7.286 ± 0.002 χ^2/NDF : 23825490.5/34

Left Out: 219.050 ± 0.037 χ^2/NDF : 934417.6/24

Right Out: 7.400 ± 0.002 χ^2/NDF : 25328317.3/38

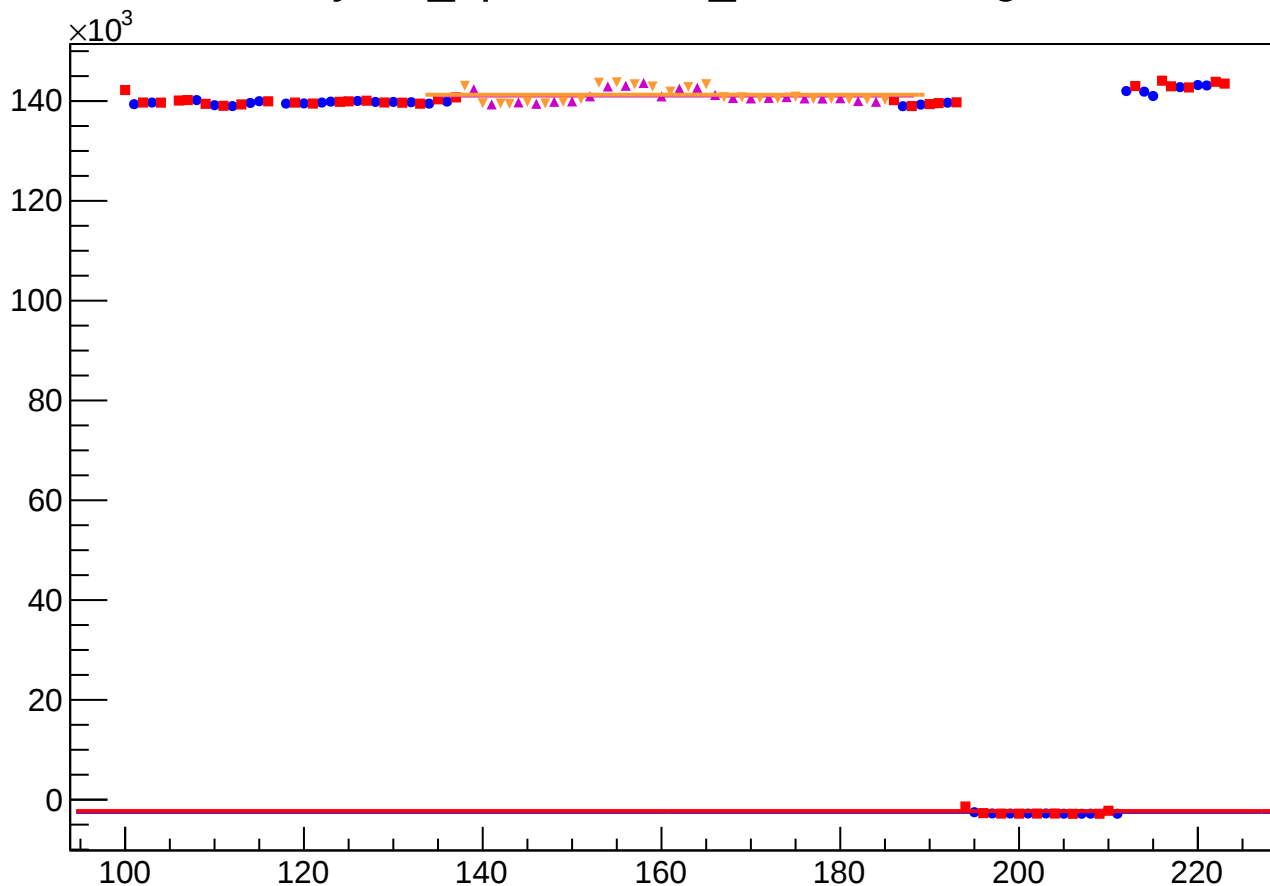
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 7.826 ± 0.002 χ^2/NDF : 57671799.4/59

All: 7.910 ± 0.001 χ^2/NDF : 114780662.7/121

- sign 8.011 ± 0.002 χ^2/NDF : 57104386.9/61

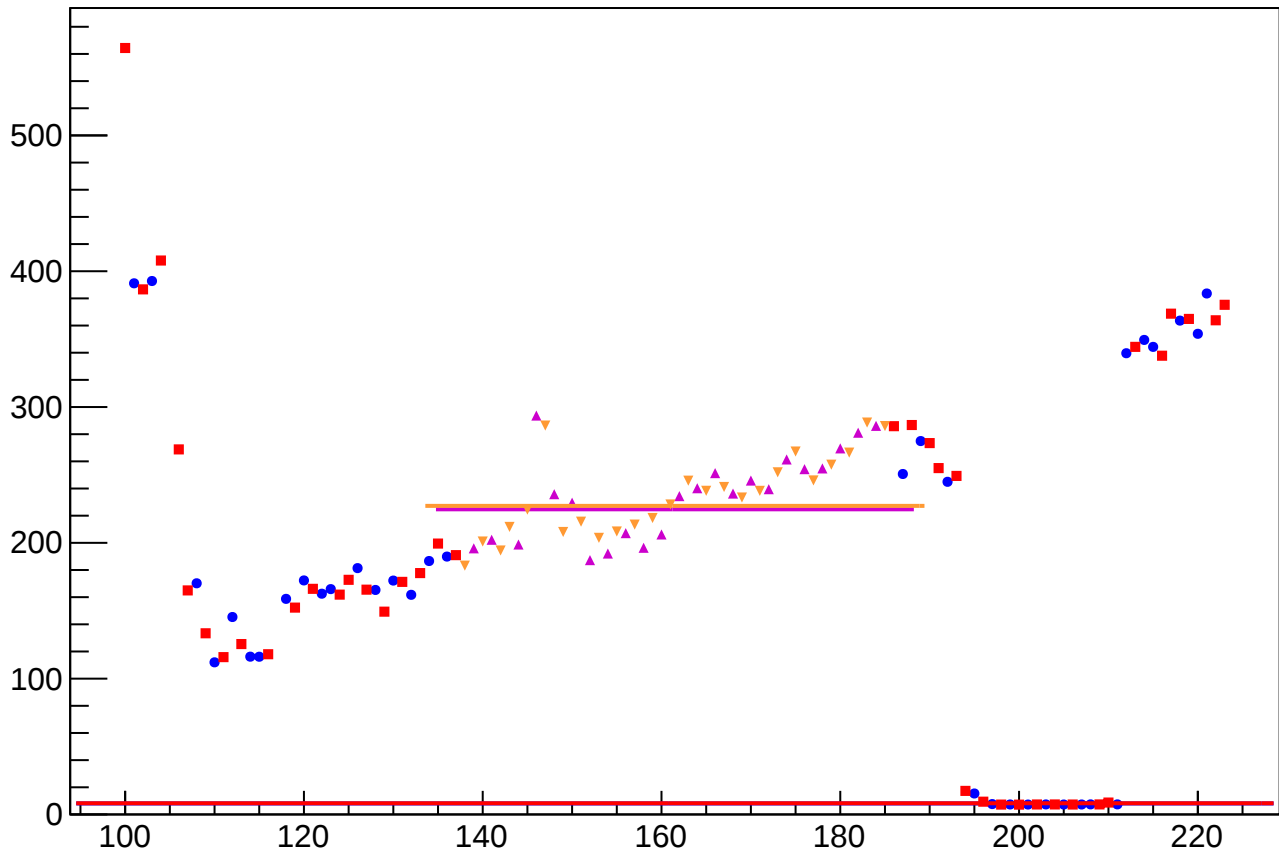
yield_bpm0l09WS_mean vs Slug



Right In: -2435.681 ± 0.003 $\chi^2/\text{NDF}: 5634247299933.8/34$
 Left Out: 141268.791 ± 0.054 $\chi^2/\text{NDF}: 795989244.2/24$
 Right Out: -2287.673 ± 0.003 $\chi^2/\text{NDF}: 6471014409367.9/38$
 Left In: 141119.484 ± 0.055 $\chi^2/\text{NDF}: 565312728.1/22$

+ sign -2003.479 ± 0.003 $\chi^2/\text{NDF}: 1277507895100$
 All: -1906.885 ± 0.002 $\chi^2/\text{NDF}: 2604500290$
 - sign -1790.422 ± 0.003 $\chi^2/\text{NDF}: 1326755096958$

yield_bpm0l09WS_rms vs Slug



Right In: 8.092 ± 0.002 χ^2/NDF : 23957229.4/34

Left Out: 227.224 ± 0.038 χ^2/NDF : 484955.3/24

Right Out: 8.240 ± 0.002 χ^2/NDF : 25339942.4/38

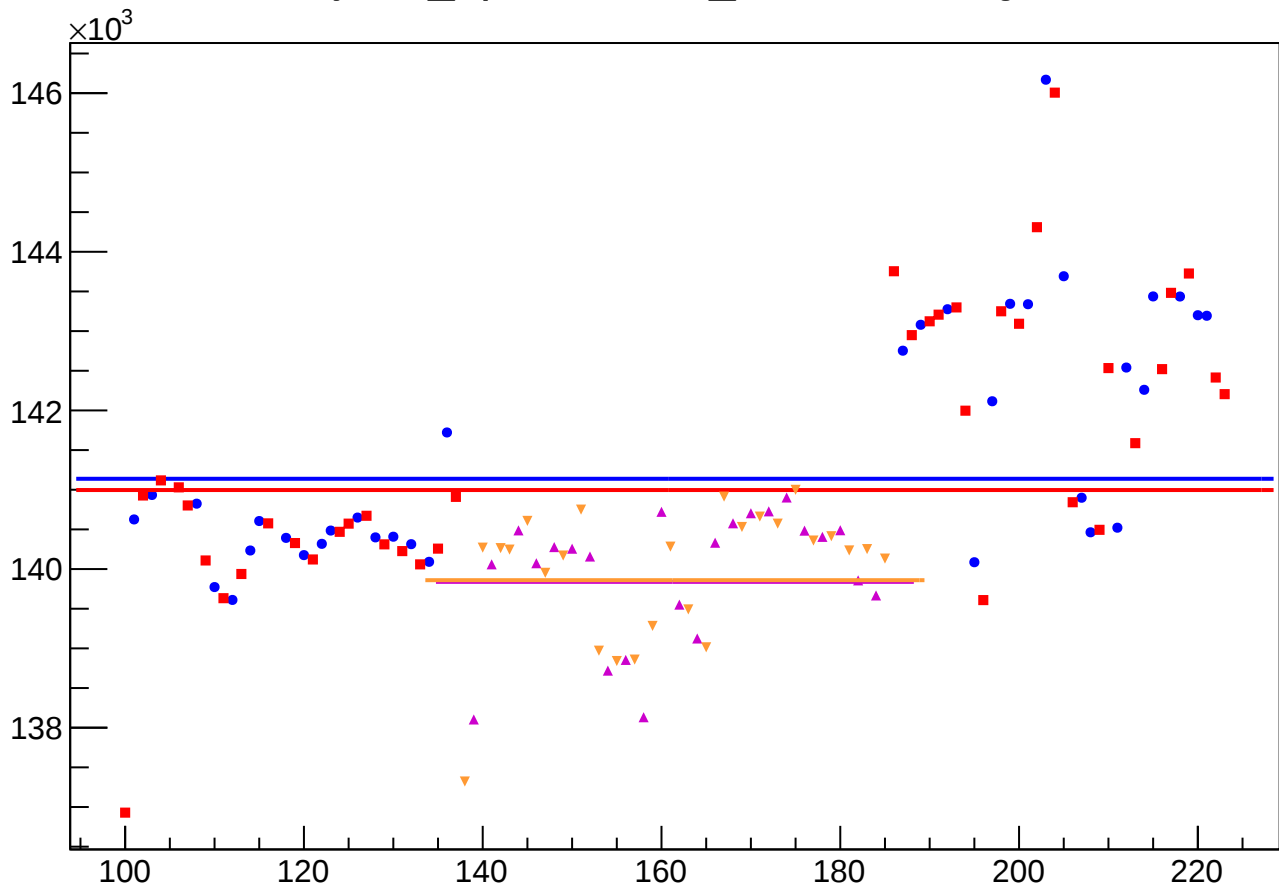
Left In: 224.686 ± 0.039 χ^2/NDF : 578366.0/22

+ sign 8.751 ± 0.002 χ^2/NDF : 57647094.4/59

All: 8.860 ± 0.002 χ^2/NDF : 114534209.4/121

- sign 8.991 ± 0.002 χ^2/NDF : 56881106.8/61

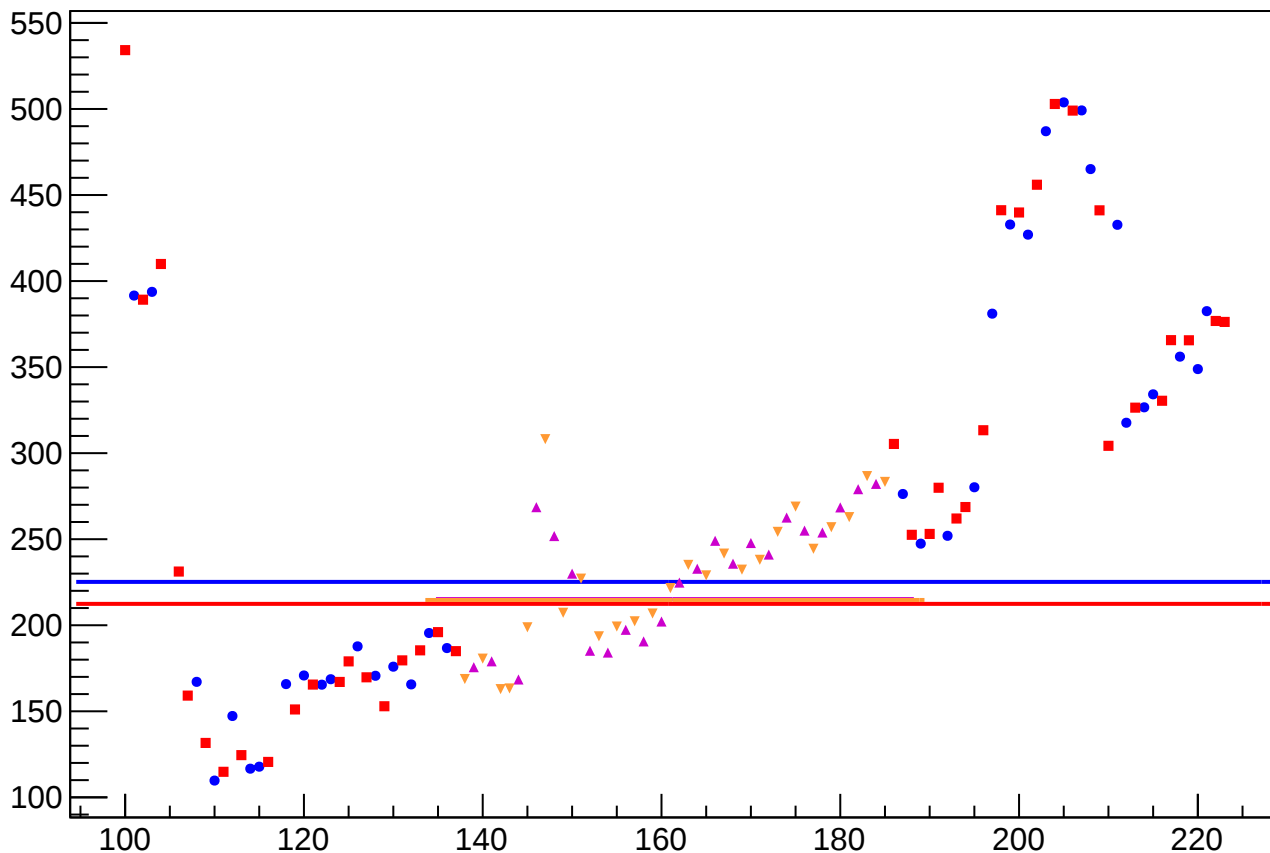
yield_bpm0l10WS_mean vs Slug



Right In: 141138.201 ± 0.056 $\chi^2/\text{NDF}: 589520277.8/34$
 Left Out: 139859.696 ± 0.051 $\chi^2/\text{NDF}: 330118281.5/24$
 Right Out: 140996.278 ± 0.052 $\chi^2/\text{NDF}: 646474529.8/38$
 Left In: 139838.724 ± 0.053 $\chi^2/\text{NDF}: 279573689.3/22$

+ sign 140438.415 ± 0.038 $\chi^2/\text{NDF}: 1203025093.4$
 All: 140431.273 ± 0.026 $\chi^2/\text{NDF}: 237233317$
 - sign 140424.390 ± 0.037 $\chi^2/\text{NDF}: 1169237988.0$

yield_bpm0l10WS_rms vs Slug



Right In: 225.194 $\pm$ 0.040 χ^2 /NDF: 6863251.0/34

Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF: 981105.5/24

Right Out: 212.423 $\pm$ 0.037 χ^2 /NDF: 7281466.1/38

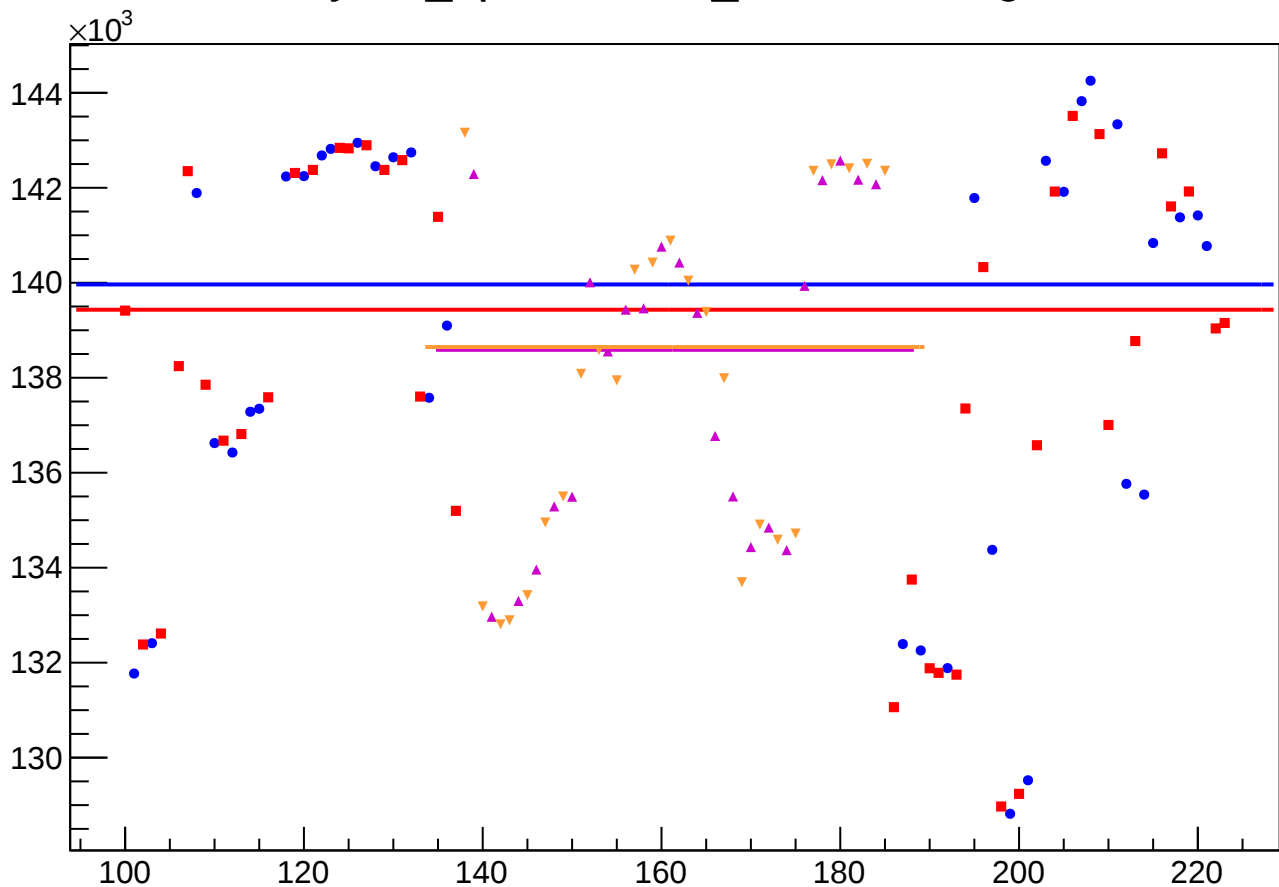
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 219.446 $\pm$ 0.027 χ^2 /NDF: 7882595.1/59

All: 216.574 $\pm$ 0.019 χ^2 /NDF: 16071524.1/12

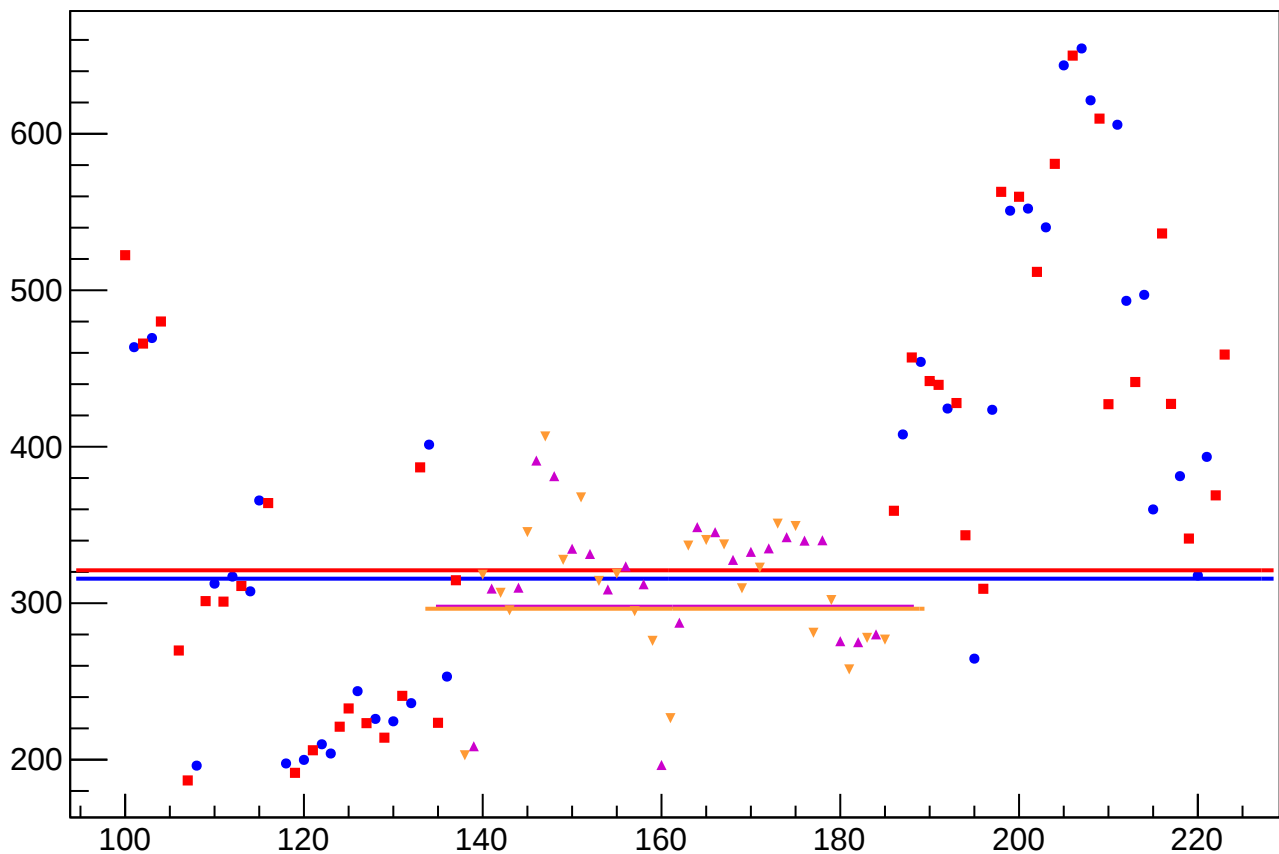
- sign 213.806 $\pm$ 0.026 χ^2 /NDF: 8166254.7/61

yield_bpm0r03WS_mean vs Slug



Right In: 139964.571 $\pm$ 0.077	χ^2 /NDF: 2425771839.9/34	+ sign 139249.339 $\pm$ 0.052	χ^2 /NDF: 5132751834.4
Left Out: 138646.366 $\pm$ 0.071	χ^2 /NDF: 2548637600.4/24	All: 139124.216 $\pm$ 0.037	χ^2 /NDF: 968445329
Right Out: 139432.588 $\pm$ 0.076	χ^2 /NDF: 2528772895.6/38	- sign 138994.936 $\pm$ 0.053	χ^2 /NDF: 4540014235.8/
Left In: 138588.711 $\pm$ 0.074	χ^2 /NDF: 1948065195.1/22		

yield_bpm0r03WS_rms vs Slug



Right In: 315.672 ± 0.055 $\chi^2/\text{NDF}: 5092527.7/34$

Left Out: 296.464 ± 0.050 $\chi^2/\text{NDF}: 893579.7/24$

Right Out: 321.030 ± 0.054 $\chi^2/\text{NDF}: 4812814.6/38$

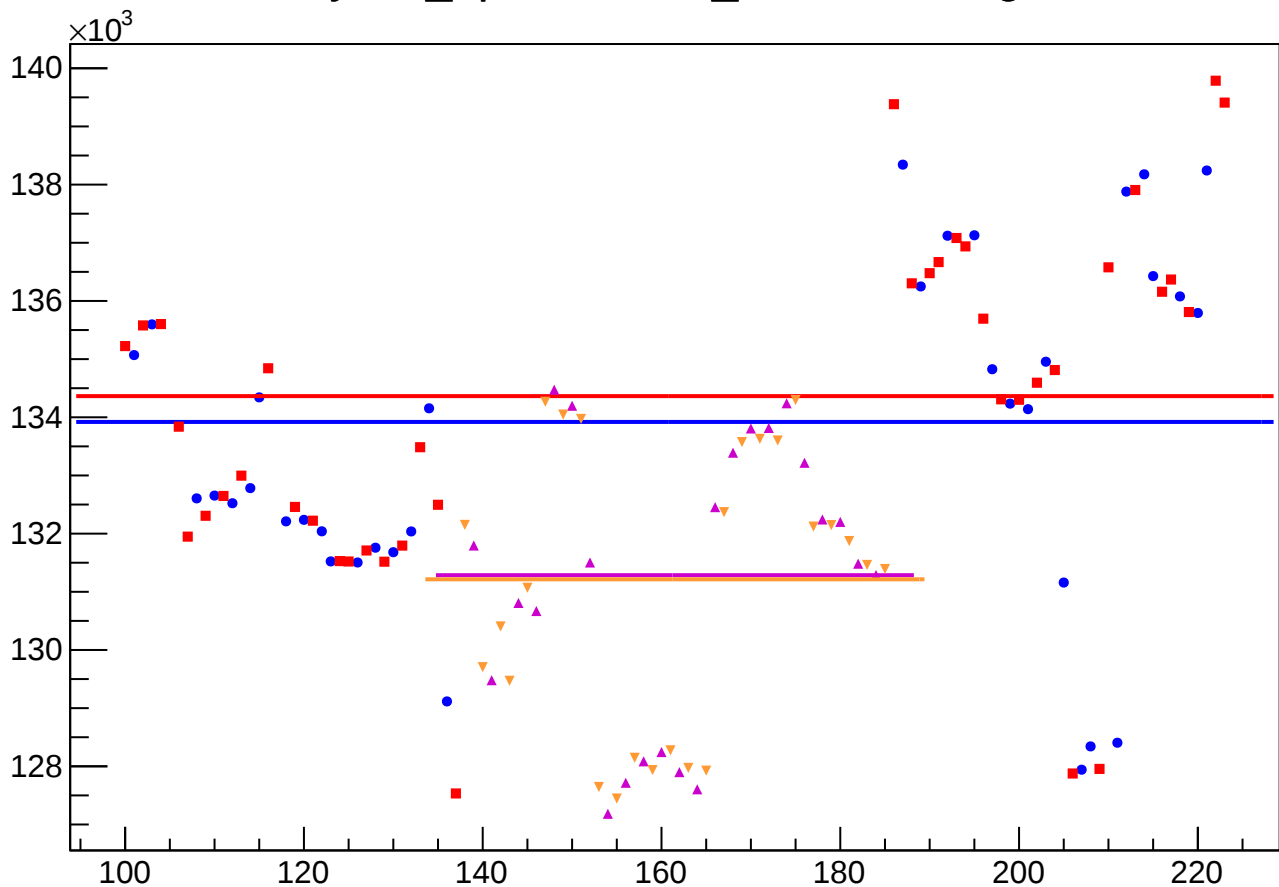
Left In: 297.774 ± 0.052 $\chi^2/\text{NDF}: 1061489.5/22$

+ sign 305.250 ± 0.037 $\chi^2/\text{NDF}: 6053345.3/59$

All: 307.079 ± 0.026 $\chi^2/\text{NDF}: 12028601.2/12$

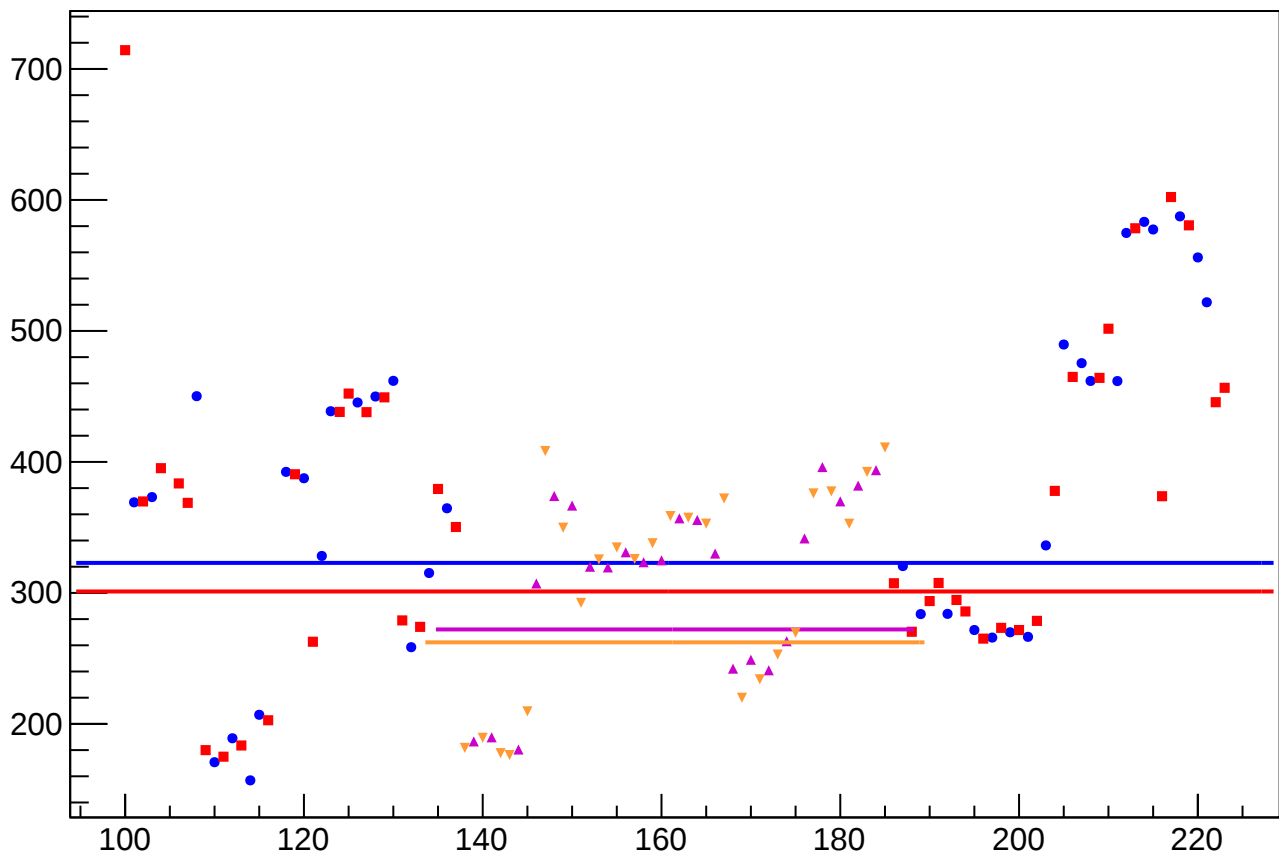
- sign 308.969 ± 0.038 $\chi^2/\text{NDF}: 5970261.7/61$

yield_bpm0r05WS_mean vs Slug



Right In: 133920.179+/-0.077 χ^2/NDF : 1121028270.8/34
 Left Out: 131214.985+/-0.064 χ^2/NDF : 1173424494.6/24
 Right Out: 134363.950+/-0.071 χ^2/NDF : 1223112952.7/38
 Left In: 131285.623+/-0.068 χ^2/NDF : 1056232192.1/22
 + sign 132320.143+/-0.049 χ^2/NDF : 3017198847.0
 All: 132546.465+/-0.035 χ^2/NDF : 63167669
 - sign 132770.118+/-0.049 χ^2/NDF : 3257943814.7

yield_bpm0r05WS_rms vs Slug



Right In: 322.919+/-0.055 χ^2/NDF : 4327432.0/34

Left Out: 262.260+/-0.045 χ^2/NDF : 2818169.1/24

Right Out: 301.099+/-0.050 χ^2/NDF : 4067560.4/38

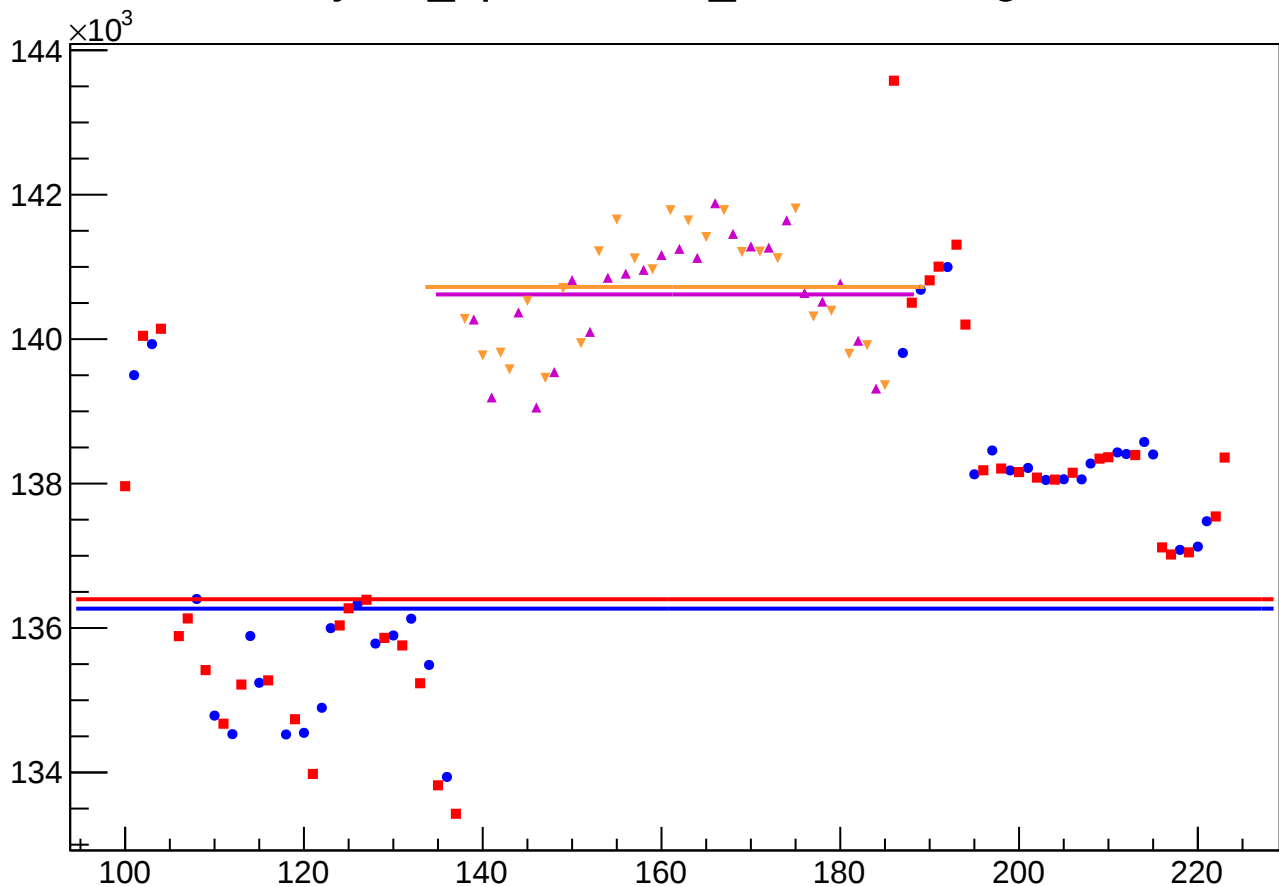
Left In: 272.115+/-0.048 χ^2/NDF : 2221925.0/22

+ sign 287.041+/-0.035 χ^2/NDF : 7872395.1/59

All: 286.564+/-0.025 χ^2/NDF : 14335762.2/12

- sign 286.092+/-0.035 χ^2/NDF : 6462997.0/61

yield_bpm0i02WS_mean vs Slug



Right In: 136268.412 ± 0.045 $\chi^2/\text{NDF}: 1689613423.0/34$

Left Out: 140721.823 ± 0.048 $\chi^2/\text{NDF}: 247257762.8/24$

Right Out: 136398.496 ± 0.043 $\chi^2/\text{NDF}: 2244208730.0/38$

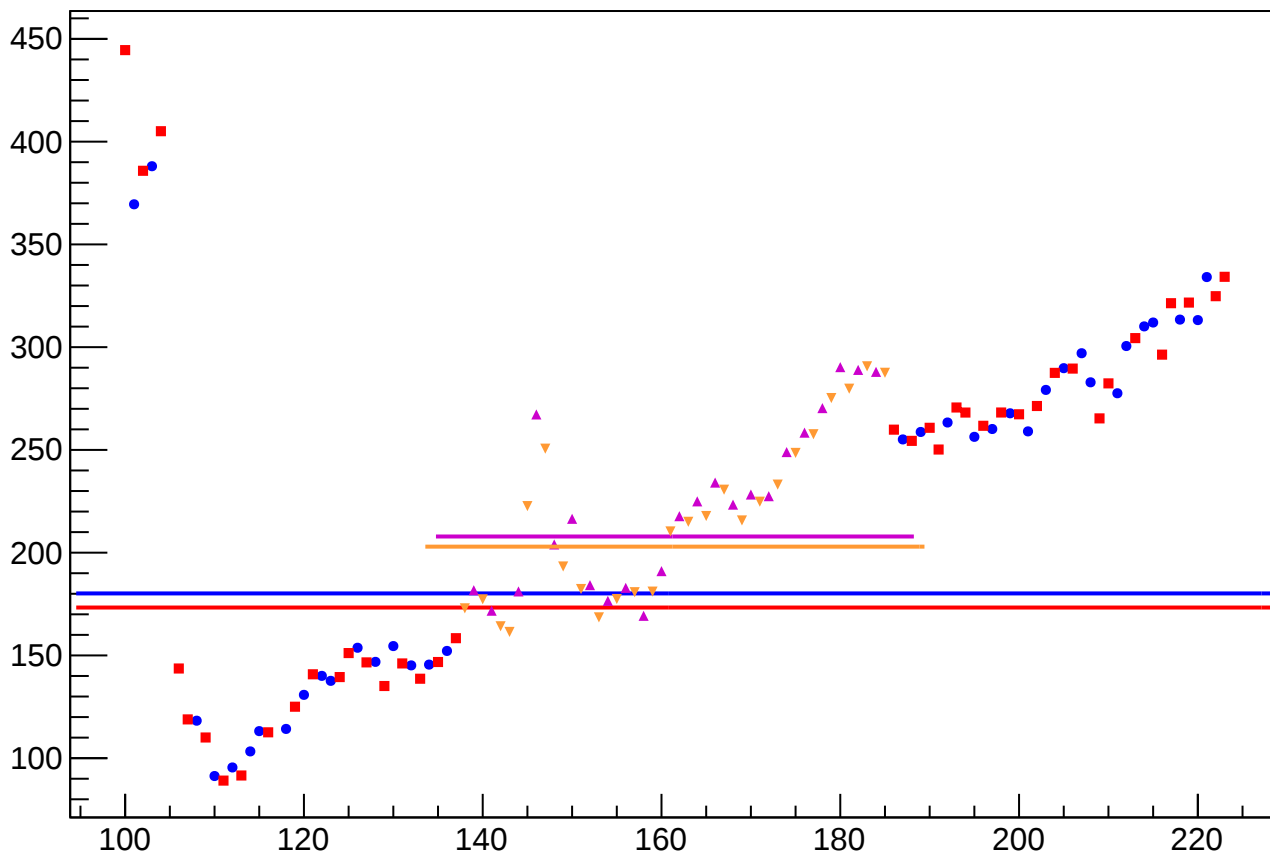
Left In: 140619.038 ± 0.051 $\chi^2/\text{NDF}: 200370178.0/22$

+ sign 138318.778 ± 0.033 $\chi^2/\text{NDF}: 6504033865.0/34$

All: 138222.307 ± 0.023 $\chi^2/\text{NDF}: 129964104.0/104$

- sign 138126.746 ± 0.033 $\chi^2/\text{NDF}: 6475204492.4/104$

yield_bpm0i02WS_rms vs Slug



Right In: 180.171+/-0.032 χ^2/NDF : 6675422.6/34

Left Out: 202.934+/-0.034 χ^2/NDF :1052283.6/24

Right Out: 173.307+/-0.030 χ^2/NDF : 7250911.2/38

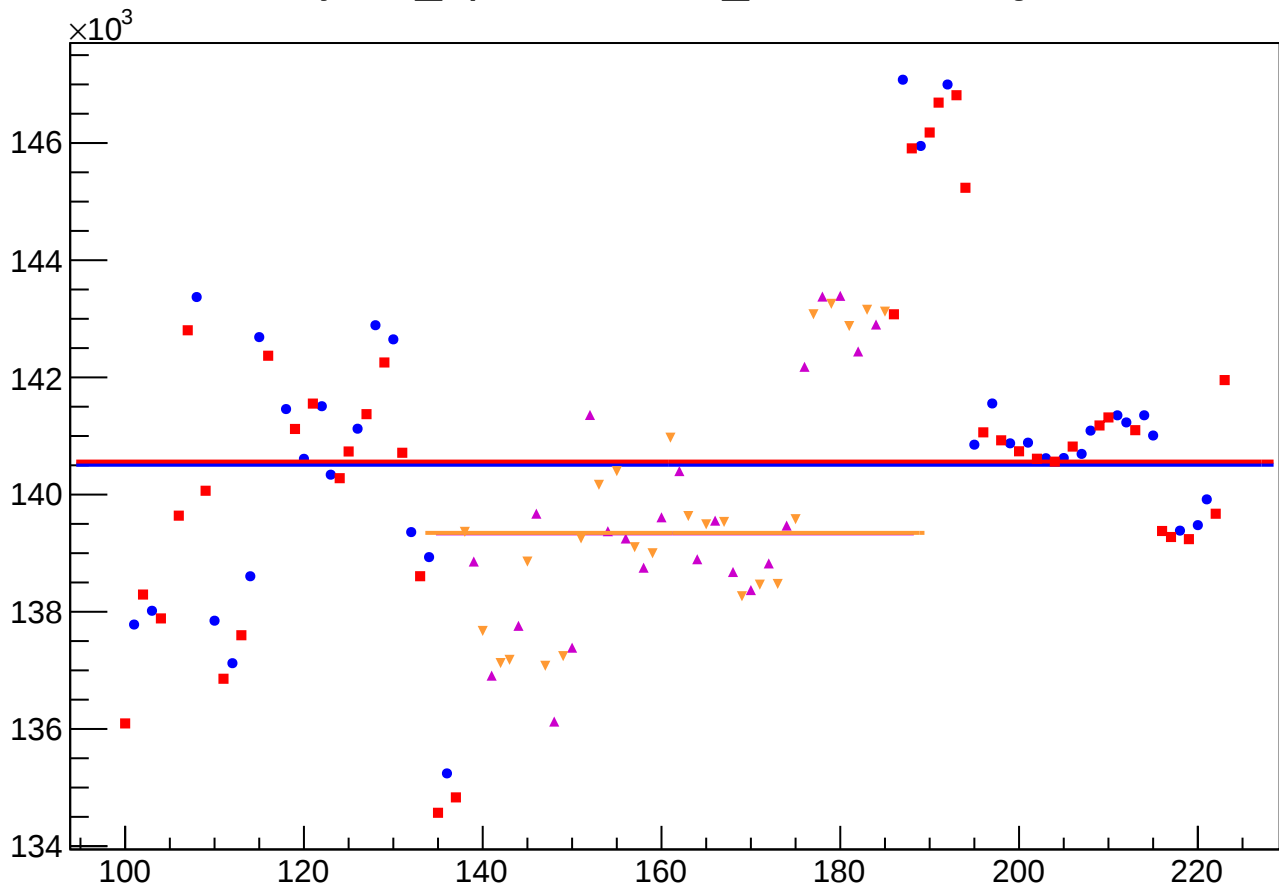
Left In: 207.872+/-0.036 χ^2/NDF :949200.3/22

+ sign 190.651+/-0.023 χ^2/NDF : 7966352.7/59

All: 189.048+/-0.016 χ^2/NDF : 16716611.5/12

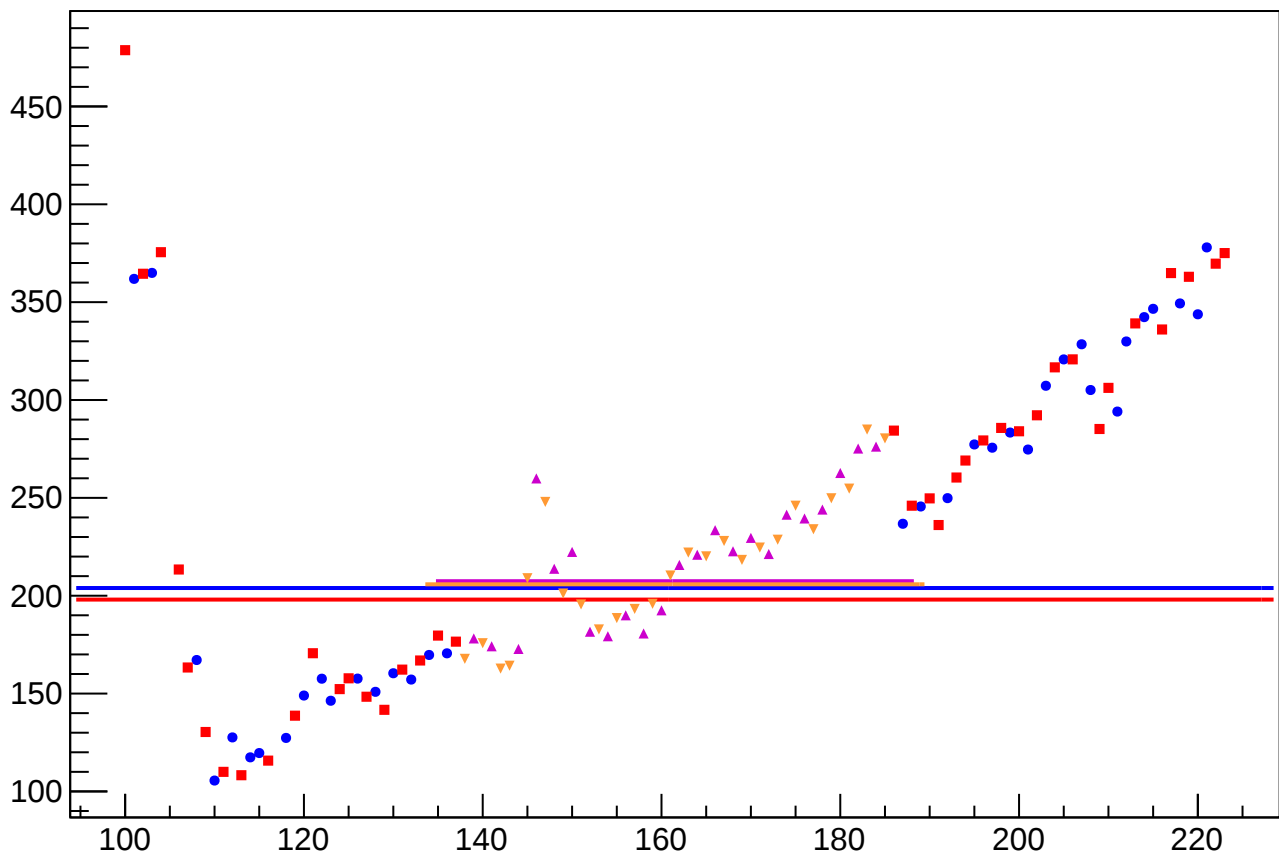
- sign 187.461+/-0.023 χ^2/NDF : 8740780.1/61

yield_bpm0i02aWS_mean vs Slug



Right In: 140509.389 $\pm$ 0.050 χ^2 /NDF: 2806593400.1/34
 Left Out: 139346.604 $\pm$ 0.049 χ^2 /NDF: 1271172976.7/24
 Right Out: 140563.456 $\pm$ 0.048 χ^2 /NDF: 3259039846.2/38
 Left In: 139337.874 $\pm$ 0.051 χ^2 /NDF: 1293003954.9/22
 All: 139953.560 $\pm$ 0.025 χ^2 /NDF: 921770403
 + sign 139917.953 $\pm$ 0.035 χ^2 /NDF: 4354860412.8
 - sign 139988.936 $\pm$ 0.035 χ^2 /NDF: 4860771051.6

yield_bpm0i02aWS_rms vs Slug



Right In: 203.935 $\pm$ 0.035 χ^2 /NDF: 5578274.4/34

Left Out: 205.833 $\pm$ 0.035 χ^2 /NDF: 738666.4/24

Right Out: 198.023 $\pm$ 0.034 χ^2 /NDF: 6042169.7/38

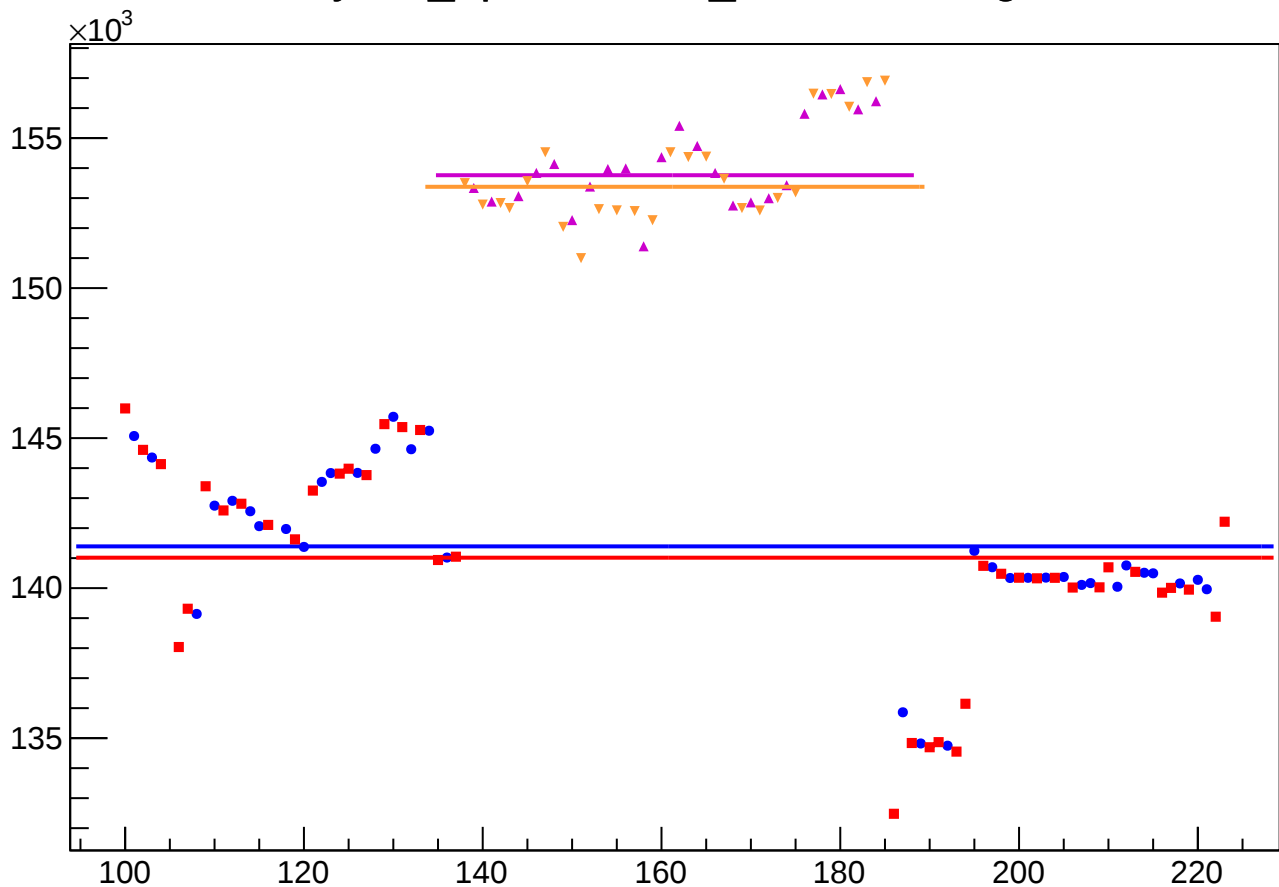
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 204.900 $\pm$ 0.025 χ^2 /NDF: 6318417.4/59

All: 203.659 $\pm$ 0.017 χ^2 /NDF: 13103852.1/12

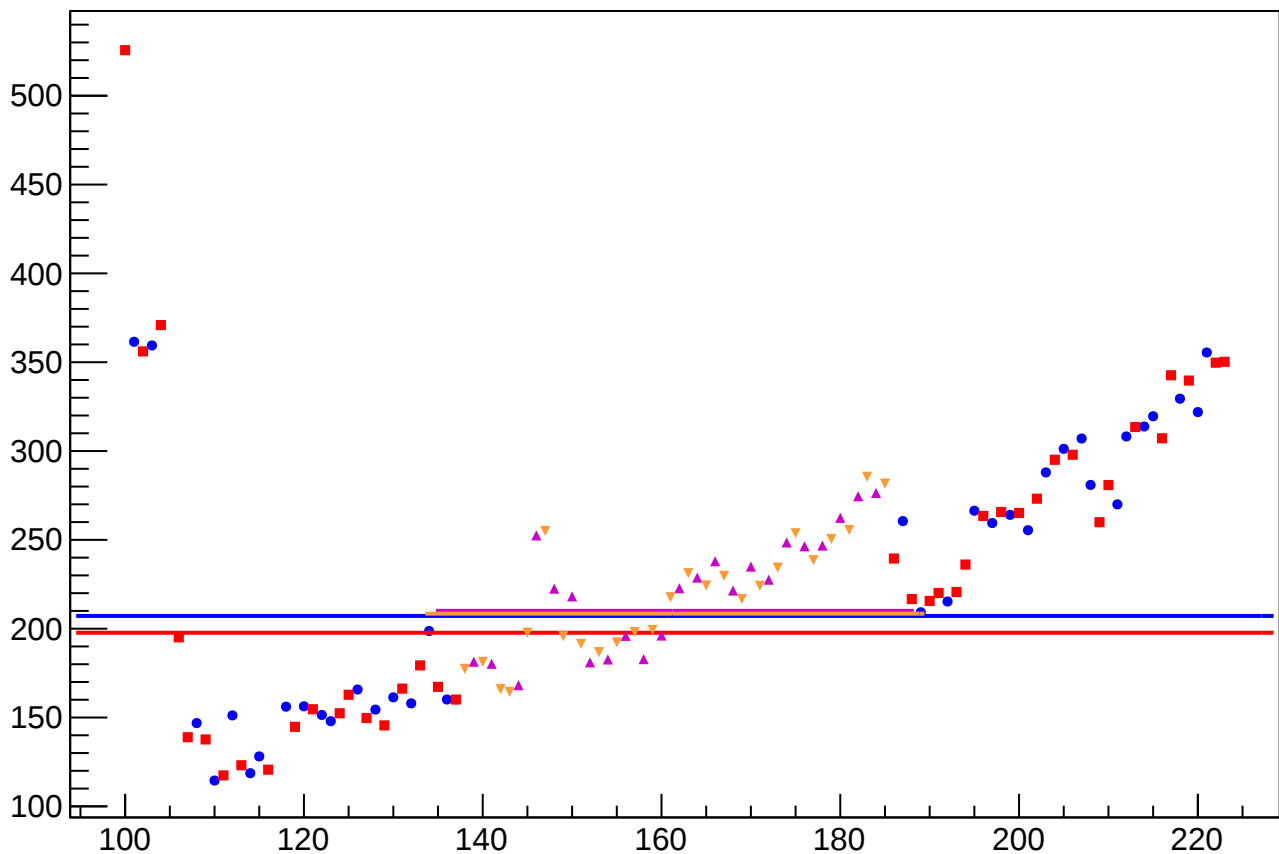
- sign 202.426 $\pm$ 0.025 χ^2 /NDF: 6780398.8/61

yield_bpm0i05WS_mean vs Slug



Right In: 141391.558 $\pm$ 0.050 χ^2 /NDF: 2786502677.4/34
 Left Out: 153376.698 $\pm$ 0.050 χ^2 /NDF: 803848095.1/24
 Right Out: 141014.678 $\pm$ 0.047 χ^2 /NDF: 4502264172.4/38
 Left In: 153762.419 $\pm$ 0.051 χ^2 /NDF: 635075685.0/22
 + sign 147393.728 $\pm$ 0.035 χ^2 /NDF: 32813148034.
 All: 147083.302 $\pm$ 0.025 χ^2 /NDF: 717311467.
 - sign 146780.874 $\pm$ 0.035 χ^2 /NDF: 38763184013.9

yield_bpm0i05WS_rms vs Slug



Right In: 207.178 $\pm$ 0.035 χ^2 /NDF: 4169649.1/34

Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24

Right Out: 197.724 $\pm$ 0.033 χ^2 /NDF: 4610709.6/38

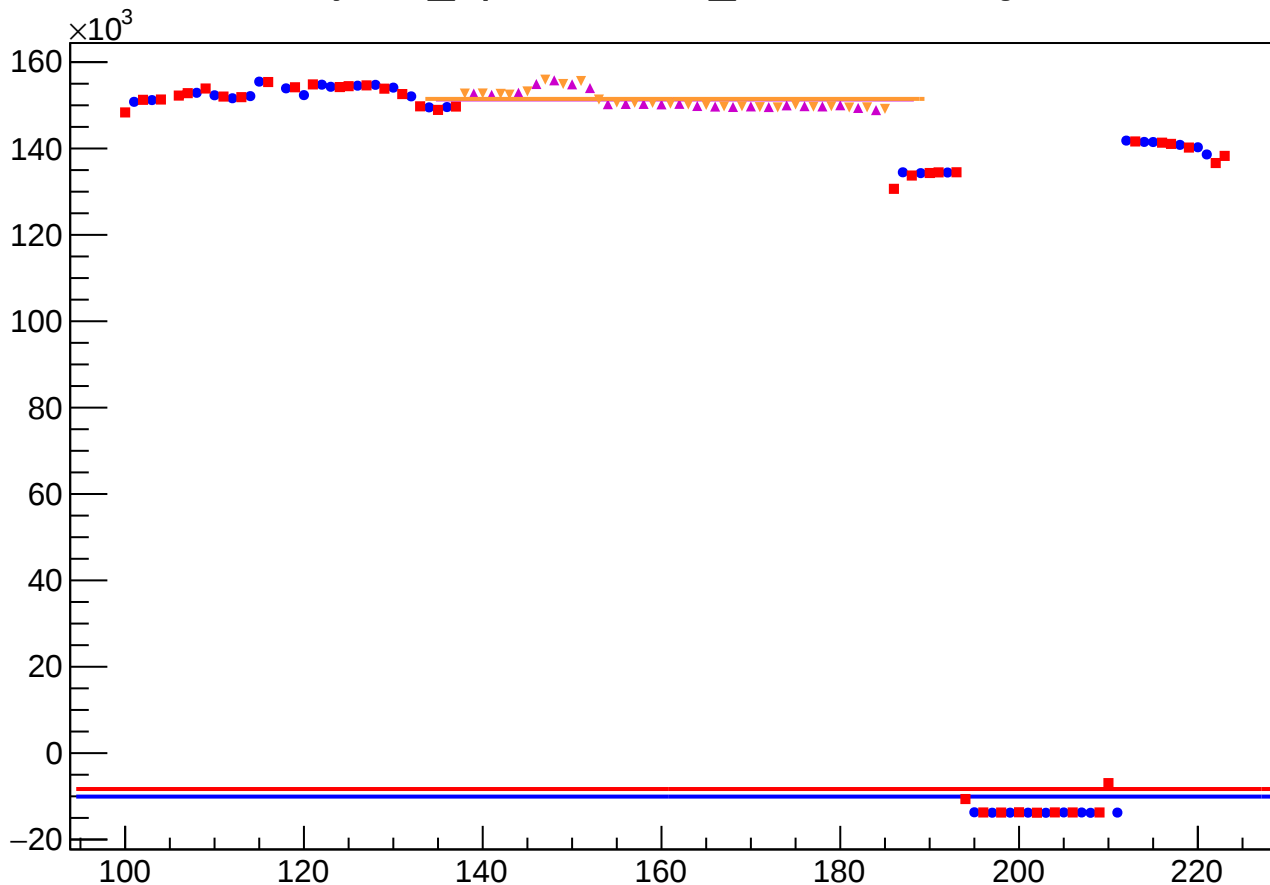
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 207.823 $\pm$ 0.025 χ^2 /NDF: 4891218.5/59

All: 205.529 $\pm$ 0.017 χ^2 /NDF: 10283954.9/12

- sign 203.294 $\pm$ 0.024 χ^2 /NDF: 5375827.1/61

yield_bpm0i07WS_mean vs Slug



Right In: -10060.755 ± 0.009

χ^2/NDF : 6938854917829.0/34

Left Out: 151483.385 ± 0.050

χ^2/NDF : 1481910066.9/24

Right Out: -8307.337 ± 0.010

χ^2/NDF : 8019190478993.8/38

Left In: 151363.165 ± 0.051

χ^2/NDF : 1421662089.0/22

+ sign -4663.697 ± 0.009

χ^2/NDF : 1722573542132

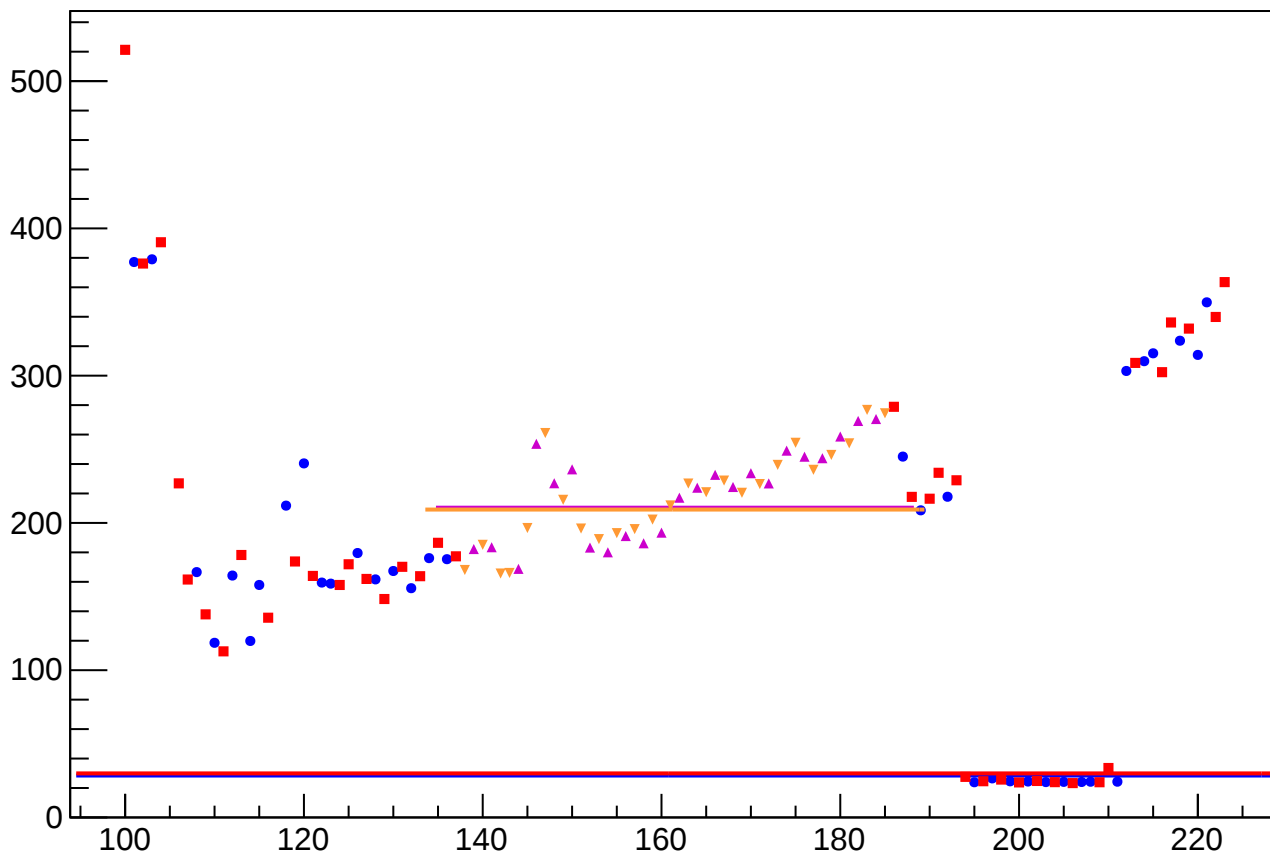
All: -3646.582 ± 0.007

χ^2/NDF : 3456896341

- sign -2441.733 ± 0.010

χ^2/NDF : 17315645235139

yield_bpm0i07WS_rms vs Slug



Right In: 28.479 ± 0.007 $\chi^2/\text{NDF}: 19340416.5/34$

Left Out: 209.076 ± 0.035 $\chi^2/\text{NDF}: 708260.3/24$

Right Out: 29.914 ± 0.007 $\chi^2/\text{NDF}: 20354467.8/38$

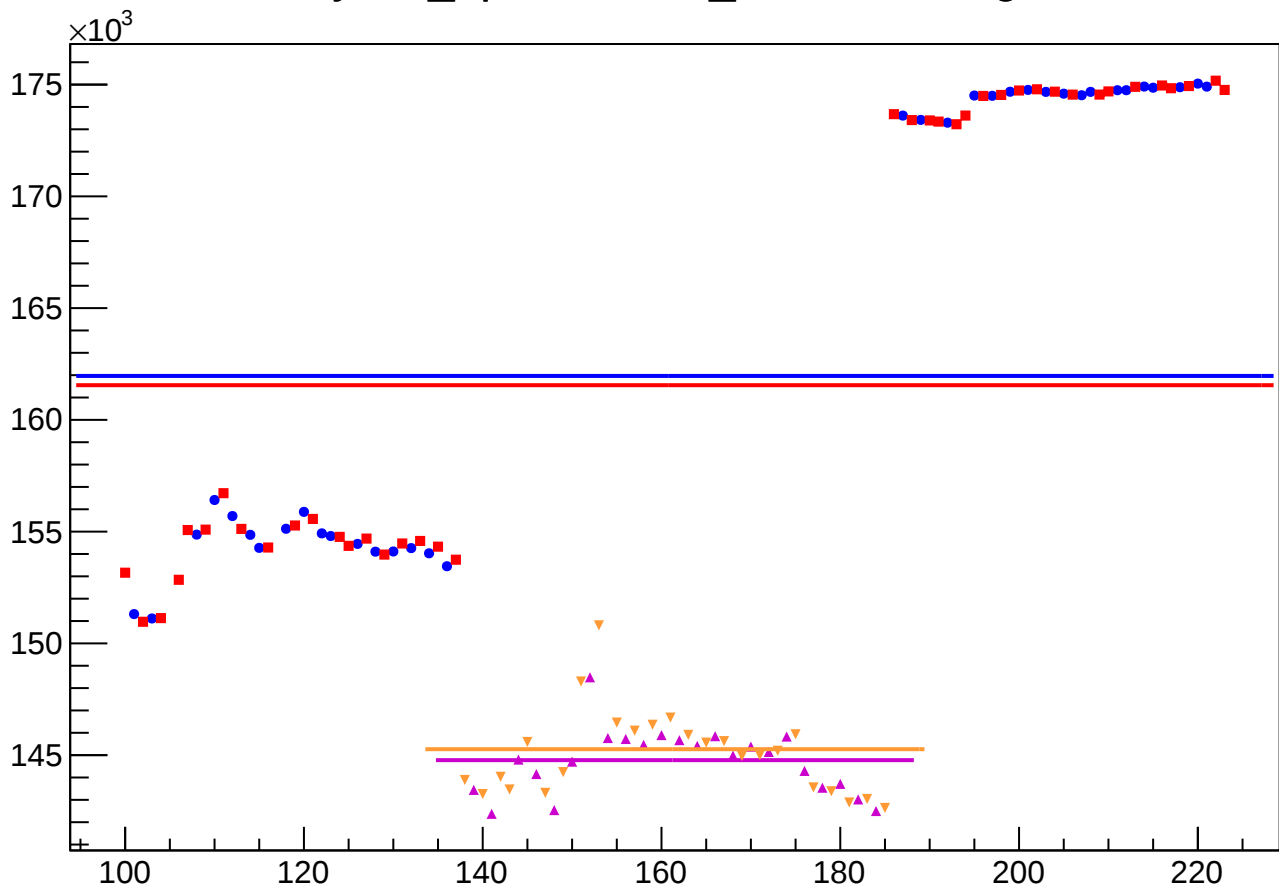
Left In: 210.345 ± 0.036 $\chi^2/\text{NDF}: 677747.7/22$

+ sign 34.513 ± 0.006 $\chi^2/\text{NDF}: 45757911.0/59$

All: 35.442 ± 0.005 $\chi^2/\text{NDF}: 90574627.8/121$

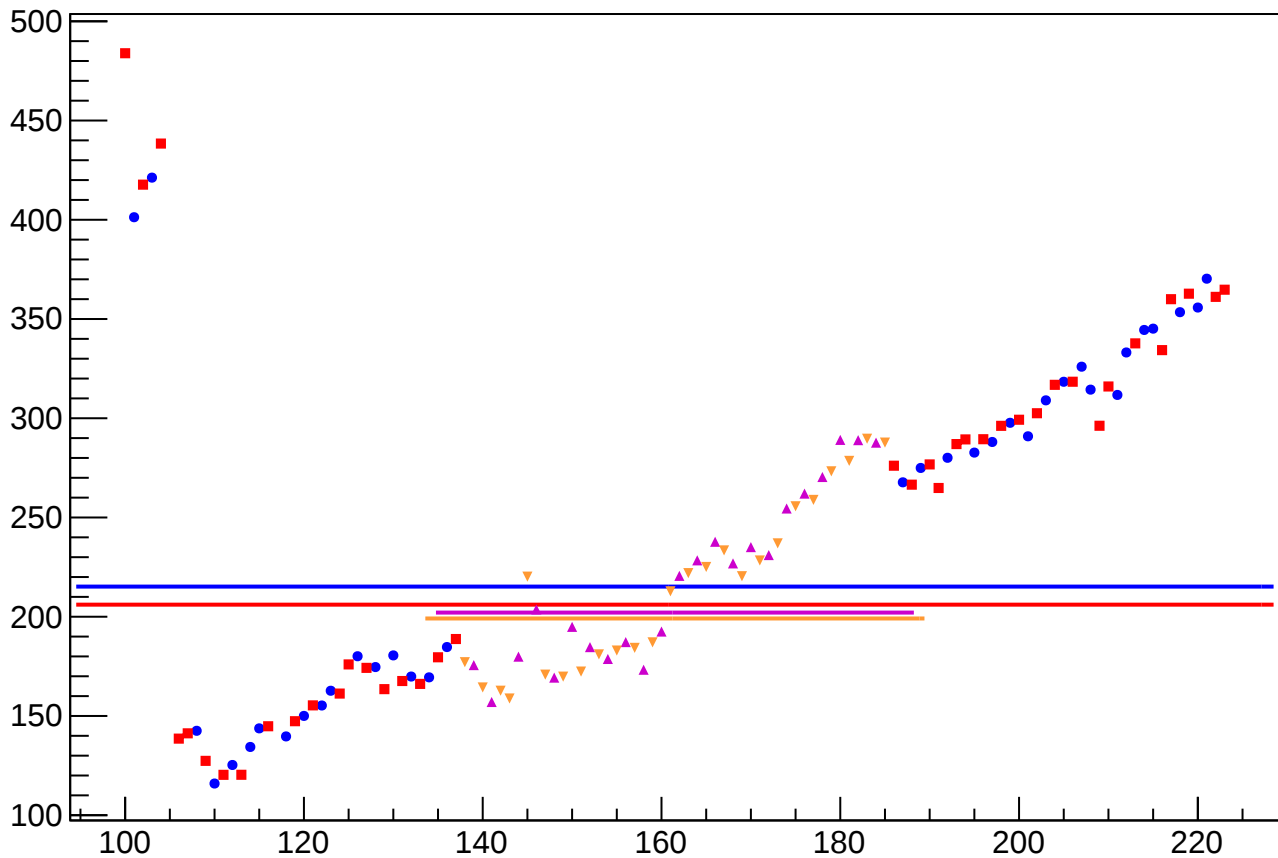
- sign 36.542 ± 0.007 $\chi^2/\text{NDF}: 44770688.6/61$

yield_bpm1i02WS_mean vs Slug



Right In: 161965.767 $\pm$ 0.052 χ^2 /NDF: 33346940944.8/34
 Left Out: 145266.717 $\pm$ 0.047 χ^2 /NDF: 1717707352.7/24
 Right Out: 161551.474 $\pm$ 0.049 χ^2 /NDF: 35738488605.5/38
 Left In: 144776.016 $\pm$ 0.050 χ^2 /NDF: 918120275.4/22
 All: 153010.561 $\pm$ 0.025 χ^2 /NDF: 185466464
 + sign 152809.740 $\pm$ 0.035 χ^2 /NDF: 91143104749.
 - sign 153209.717 $\pm$ 0.035 χ^2 /NDF: 94258138706.5

yield_bpm1i02WS_rms vs Slug



Right In: 215.187+/-0.037 χ^2/NDF : 5328457.0/34

Left Out: 199.118+/-0.034 χ^2/NDF : 1152231.0/24

Right Out: 206.082+/-0.035 χ^2/NDF : 5827333.5/38

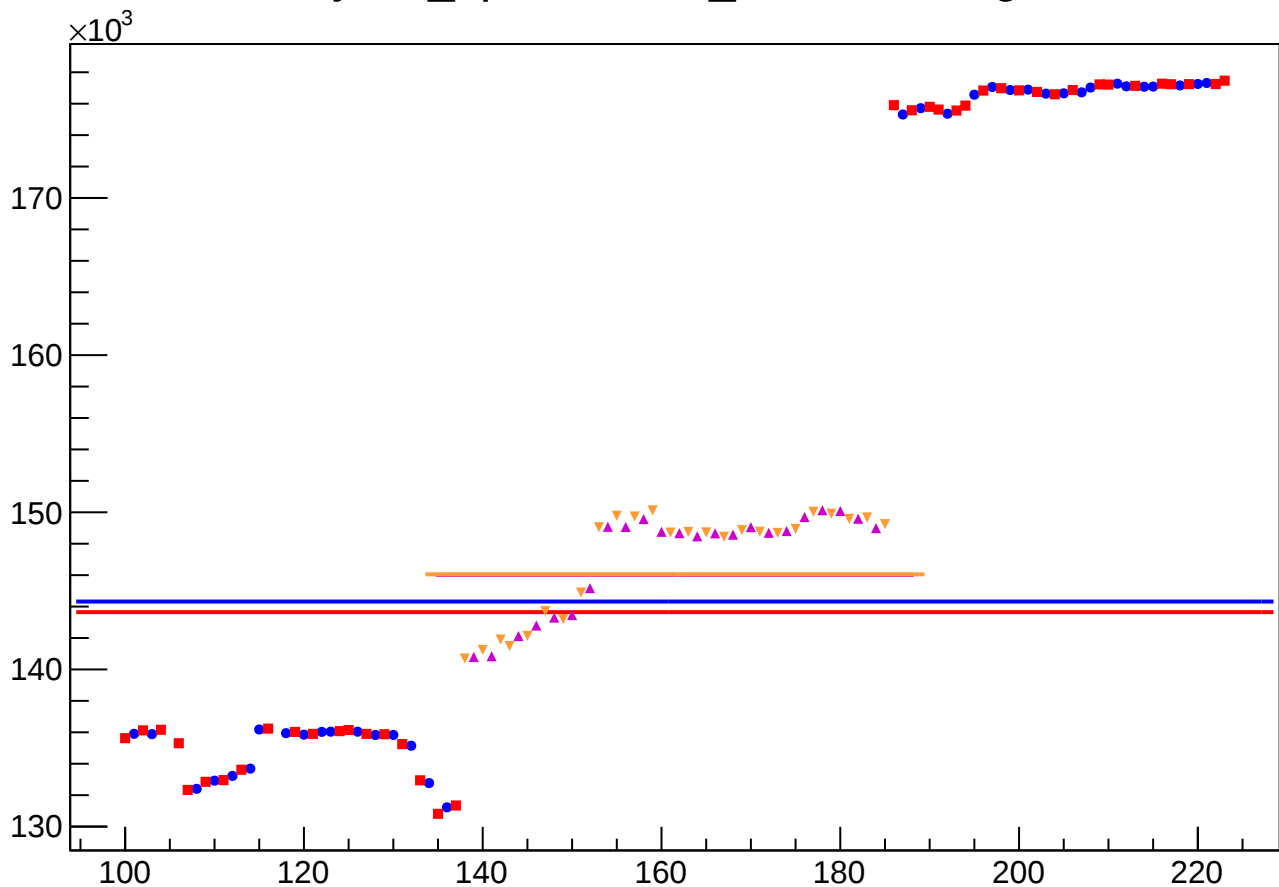
Left In: 202.090+/-0.035 χ^2/NDF : 1057833.2/22

+ sign 206.376+/-0.025 χ^2/NDF : 6584535.9/59

All: 205.232+/-0.018 χ^2/NDF : 13480461.7/12

- sign 204.097+/-0.025 χ^2/NDF : 6891690.7/61

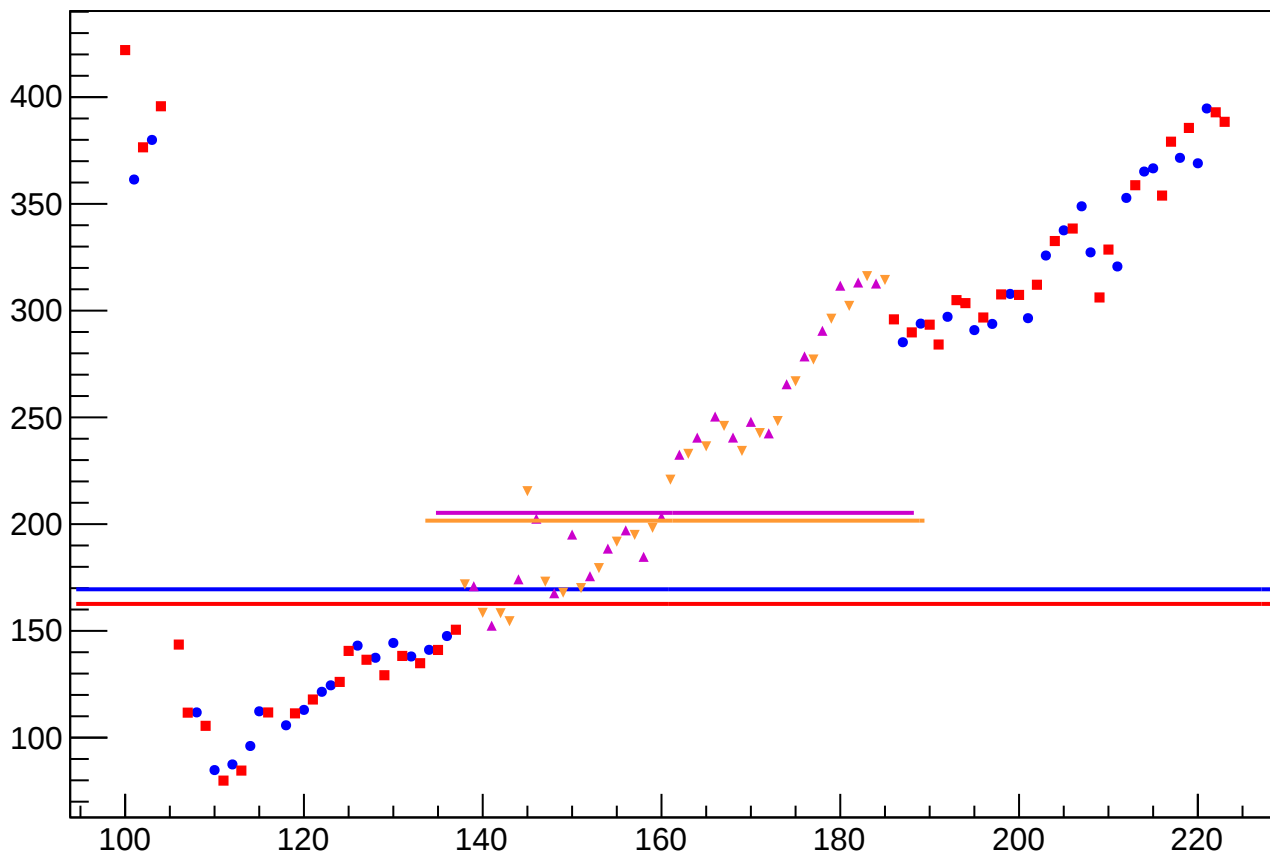
yield_bpm1i04WS_mean vs Slug



Right In: 144320.841 ± 0.044 χ^2/NDF : 168680737905.6/34
 Left Out: 146051.733 ± 0.048 χ^2/NDF : 5403300123.1/24
 Right Out: 143644.960 ± 0.042 χ^2/NDF : 180409969769.7/38
 Left In: 146020.015 ± 0.051 χ^2/NDF : 4591425371.4/22

+ sign 145106.640 ± 0.033 χ^2/NDF : 174785129267
 All: 144854.126 ± 0.023 χ^2/NDF : 361214222
 - sign 144606.512 ± 0.032 χ^2/NDF : 186309871356

yield_bpm1i04WS_rms vs Slug



Right In: 169.478 $\pm$ 0.031 χ^2 /NDF: 9631668.8/34

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 162.630 $\pm$ 0.030 χ^2 /NDF: 10297116.8/38

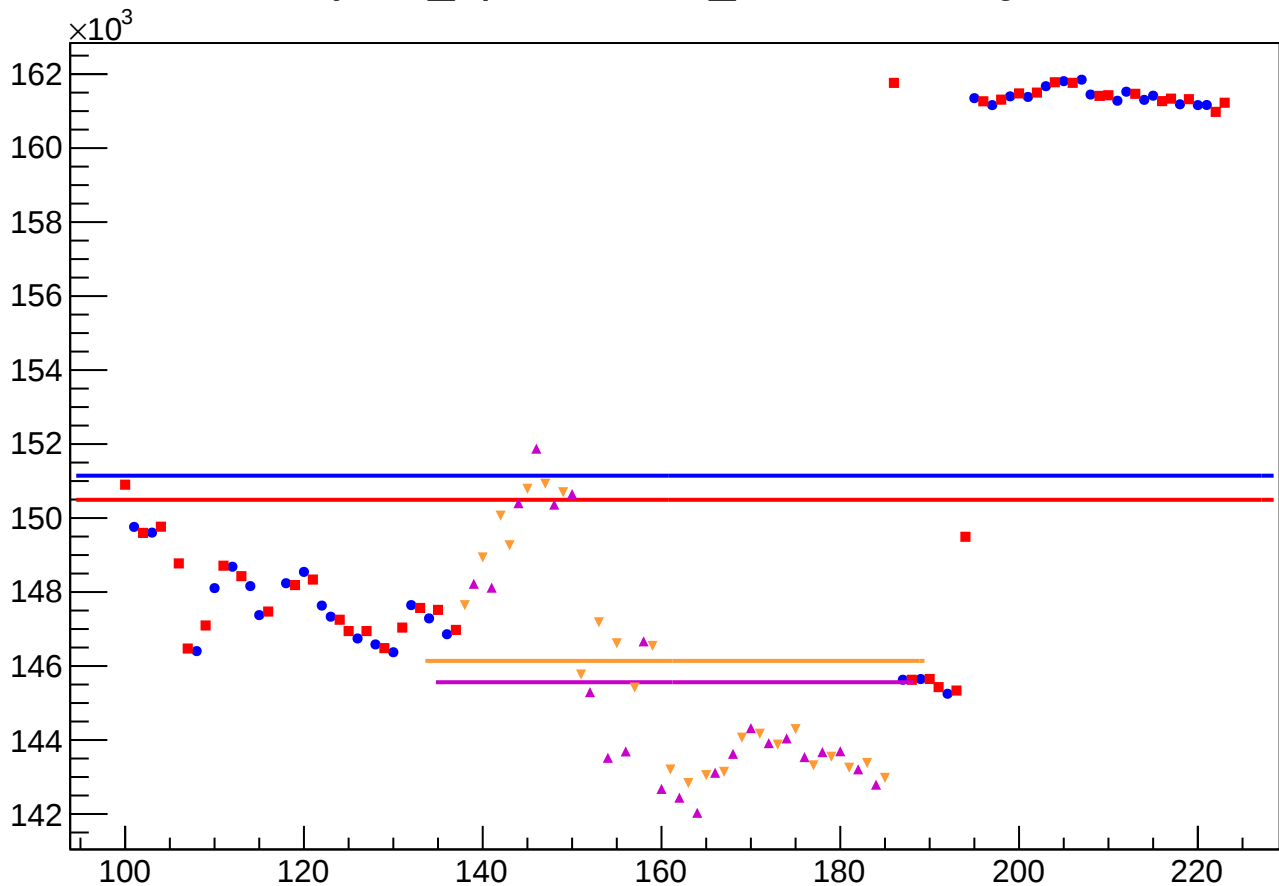
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 184.075 $\pm$ 0.023 χ^2 /NDF: 11705083.8/59

All: 181.967 $\pm$ 0.016 χ^2 /NDF: 24288248.8/12

- sign 179.900 $\pm$ 0.023 χ^2 /NDF: 12566542.3/61

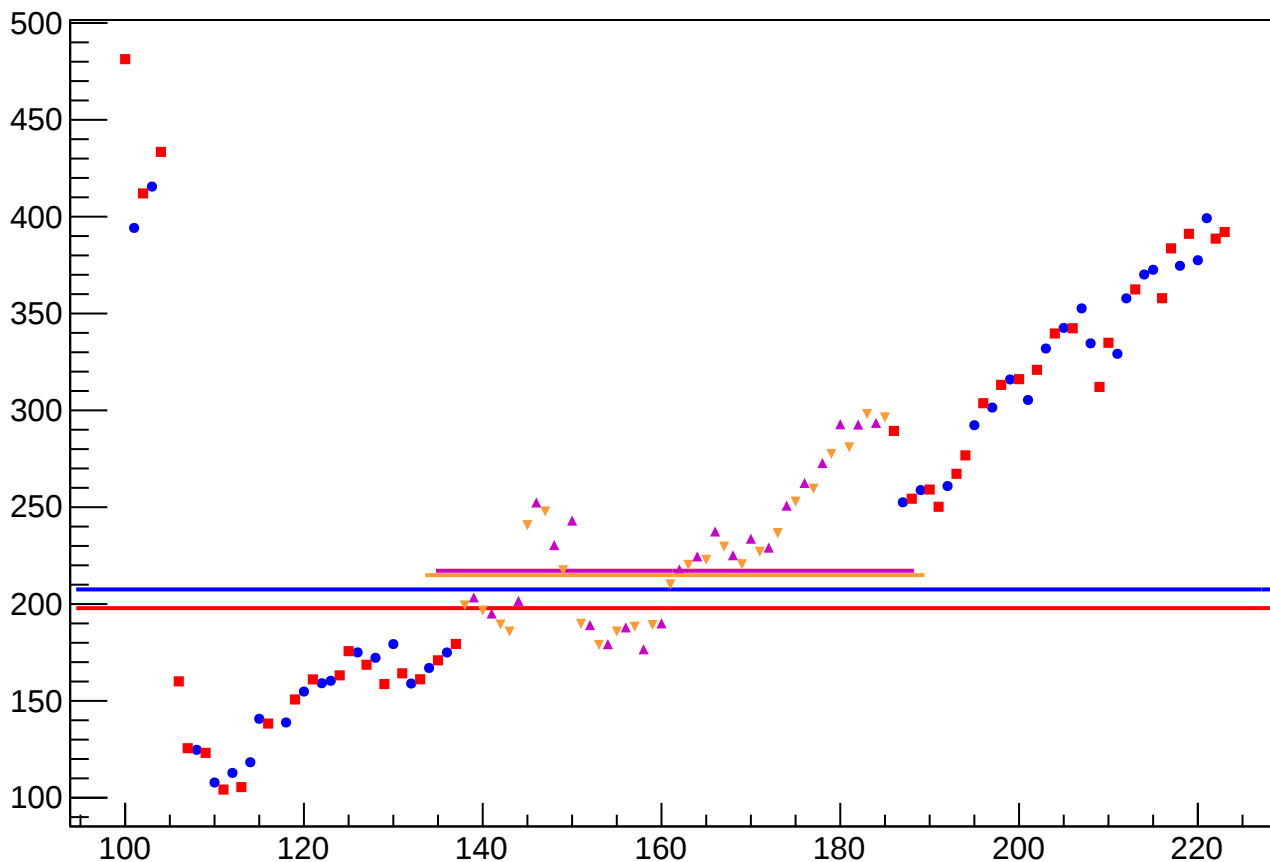
yield_bpm1i06WS_mean vs Slug



Right In: 151145.212 $\pm$ 0.051 χ^2 /NDF: 14713687384.0/34
 Left Out: 146139.326 $\pm$ 0.051 χ^2 /NDF: 2699546907.6/24
 Right Out: 150493.379 $\pm$ 0.048 χ^2 /NDF: 14150639652.2/38
 Left In: 145562.386 $\pm$ 0.053 χ^2 /NDF: 3054641996.0/22

+ sign 148618.114 $\pm$ 0.036 χ^2 /NDF: 22201642955.
 All: 148436.005 $\pm$ 0.025 χ^2 /NDF: 441774080.
 - sign 148258.307 $\pm$ 0.036 χ^2 /NDF: 21925678028.9

yield_bpm1i06WS_rms vs Slug



Right In: 207.545 $\pm$ 0.036 χ^2 /NDF: 6640198.5/34

Left Out: 214.945 $\pm$ 0.036 χ^2 /NDF: 728515.5/24

Right Out: 197.883 $\pm$ 0.034 χ^2 /NDF: 7144381.7/38

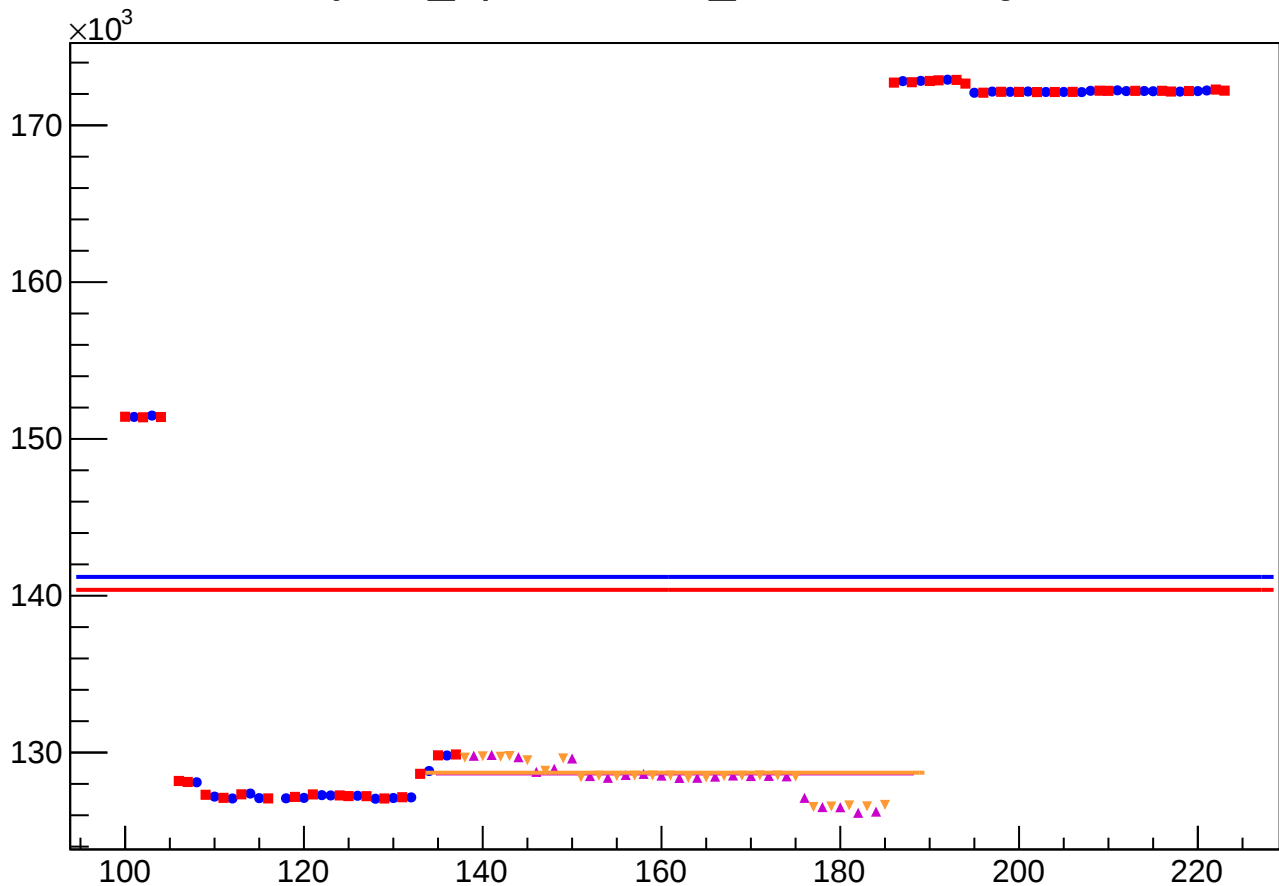
Left In: 217.203 $\pm$ 0.038 χ^2 /NDF: 764798.3/22

+ sign 211.281 $\pm$ 0.026 χ^2 /NDF: 7389639.5/59

All: 208.932 $\pm$ 0.018 χ^2 /NDF: 15460413.5/12

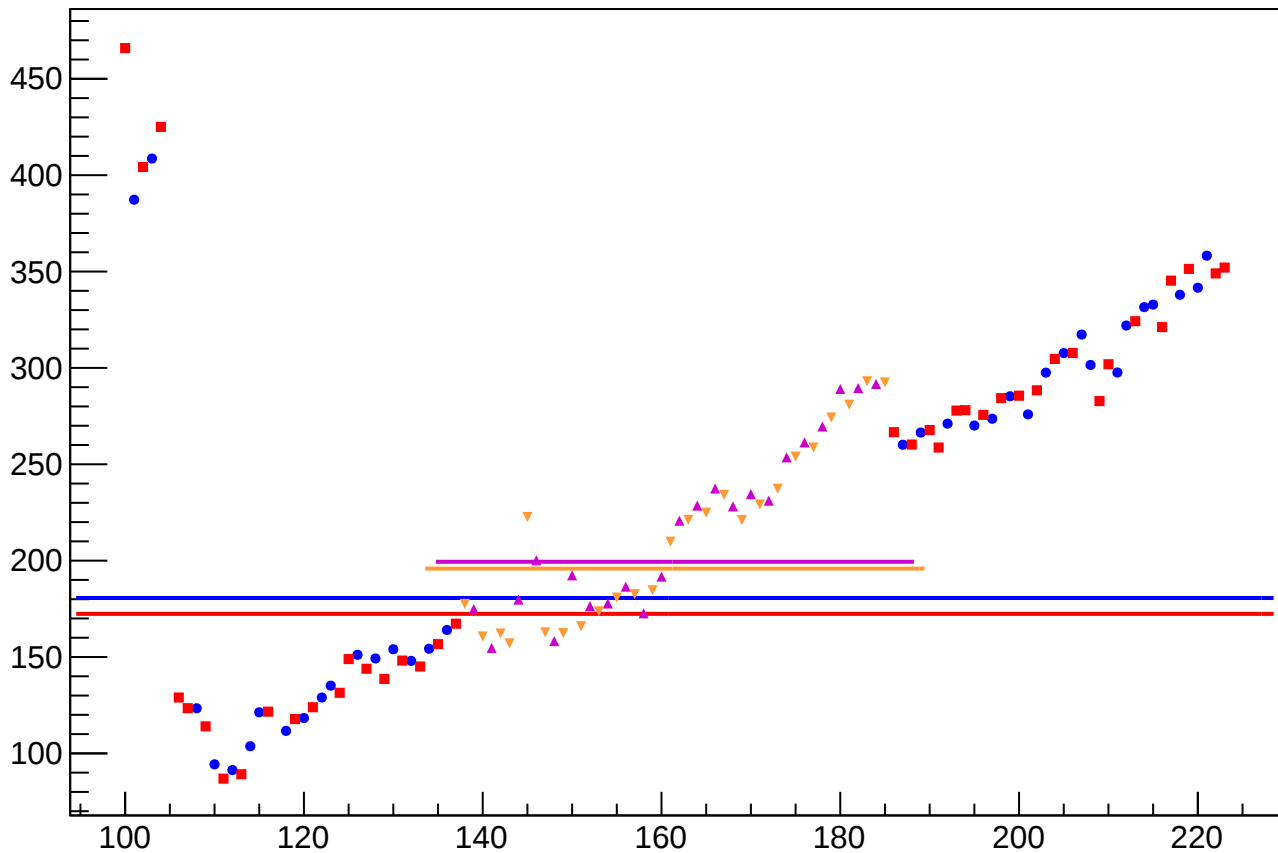
- sign 206.640 $\pm$ 0.025 χ^2 /NDF: 8054111.4/61

yield_bpm2i01WS_mean vs Slug



Right In: 141200.850+/-0.045 χ^2/NDF : 202939908579.0/34
 Left Out: 128714.507+/-0.047 χ^2/NDF : 348178101.1/24 + sign 135130.714+/-0.033 χ^2/NDF : 240026109771
 Right Out: 140376.197+/-0.043 χ^2/NDF : 221491979517.3/38 All: 135223.433+/-0.023 χ^2/NDF : 49429405
 Left In: 128667.013+/-0.049 χ^2/NDF : 333059477.6/22 - sign 135314.186+/-0.032 χ^2/NDF : 254251895140

yield_bpm2i01WS_rms vs Slug



Right In: 180.620 $\pm$ 0.032 χ^2 /NDF: 7611900.8/34

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 172.376 $\pm$ 0.030 χ^2 /NDF: 8216174.1/38

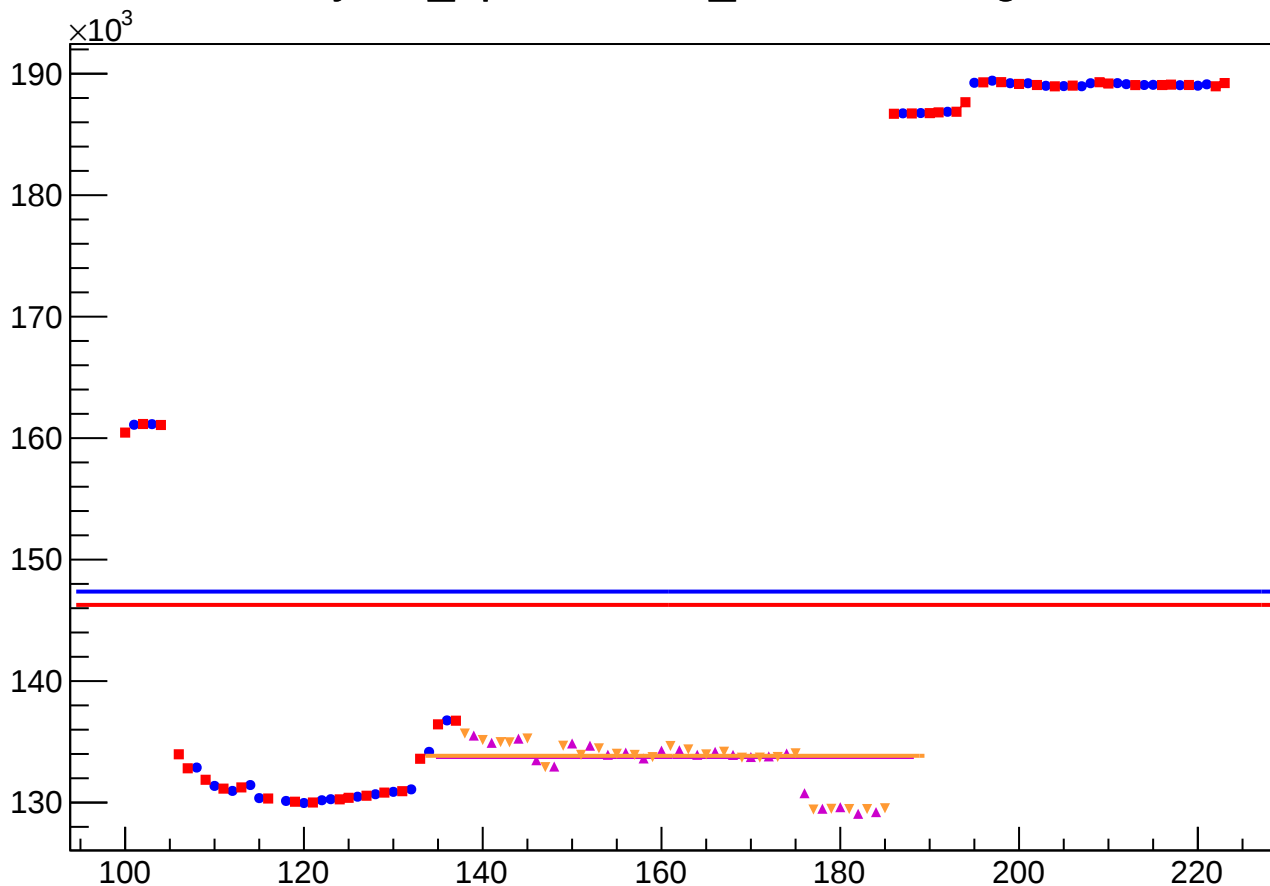
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 188.040 $\pm$ 0.023 χ^2 /NDF: 9035040.8/59

All: 186.031 $\pm$ 0.016 χ^2 /NDF: 18777782.6/12

- sign 184.064 $\pm$ 0.023 χ^2 /NDF: 9727673.0/61

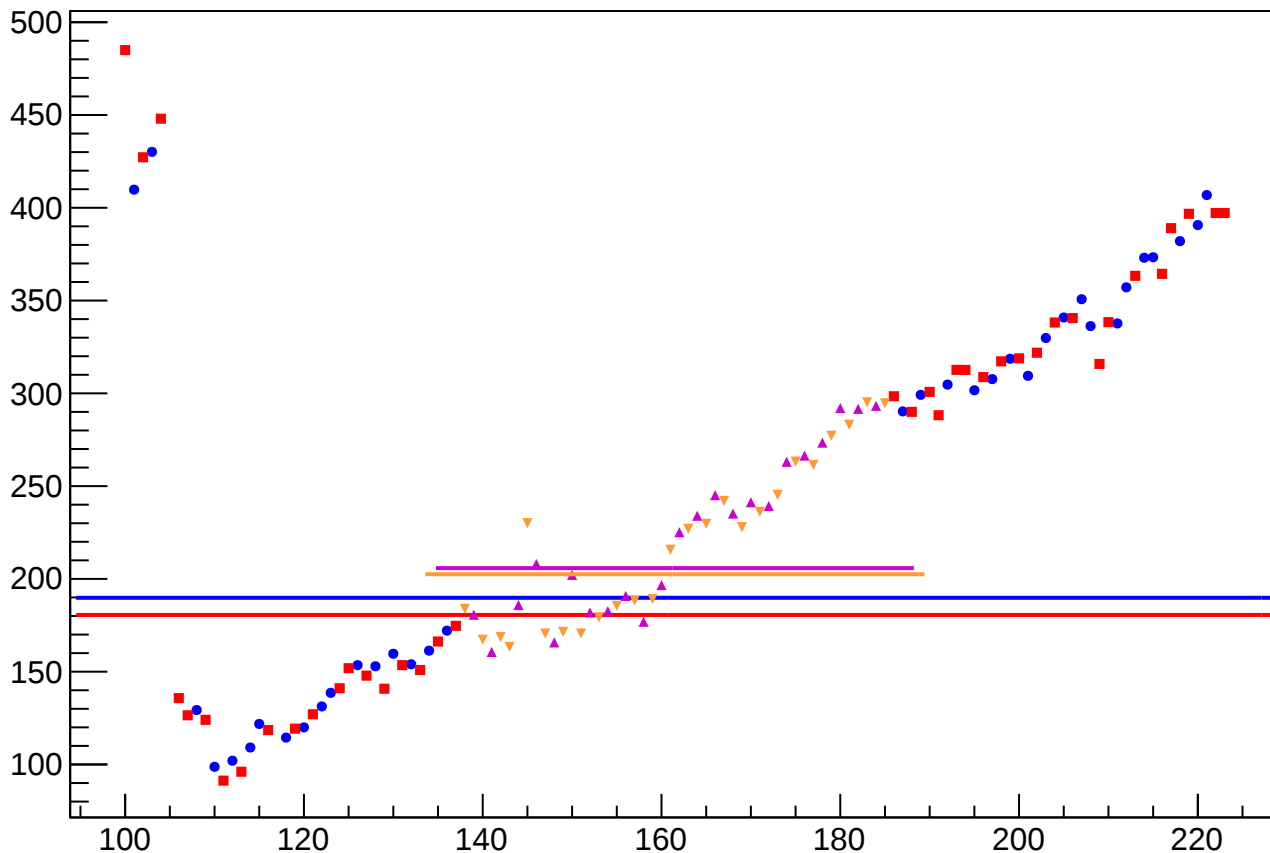
yield_bpm2i02WS_mean vs Slug



Right In: 147368.403 $\pm$ 0.048 χ^2 /NDF: 277185187330.2/34
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 146272.041 $\pm$ 0.045 χ^2 /NDF: 297023637498.7/38
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22

+ sign 140586.132 $\pm$ 0.034 χ^2 /NDF: 317422295678
 All: 140629.708 $\pm$ 0.024 χ^2 /NDF: 649376313
 - sign 140672.330 $\pm$ 0.034 χ^2 /NDF: 331950798549

yield_bpm2i02WS_rms vs Slug



Right In: 189.828 $\pm$ 0.034 χ^2 /NDF: 8460616.0/34

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF:1211991.5/24

Right Out: 180.580 $\pm$ 0.032 χ^2 /NDF: 9132373.8/38

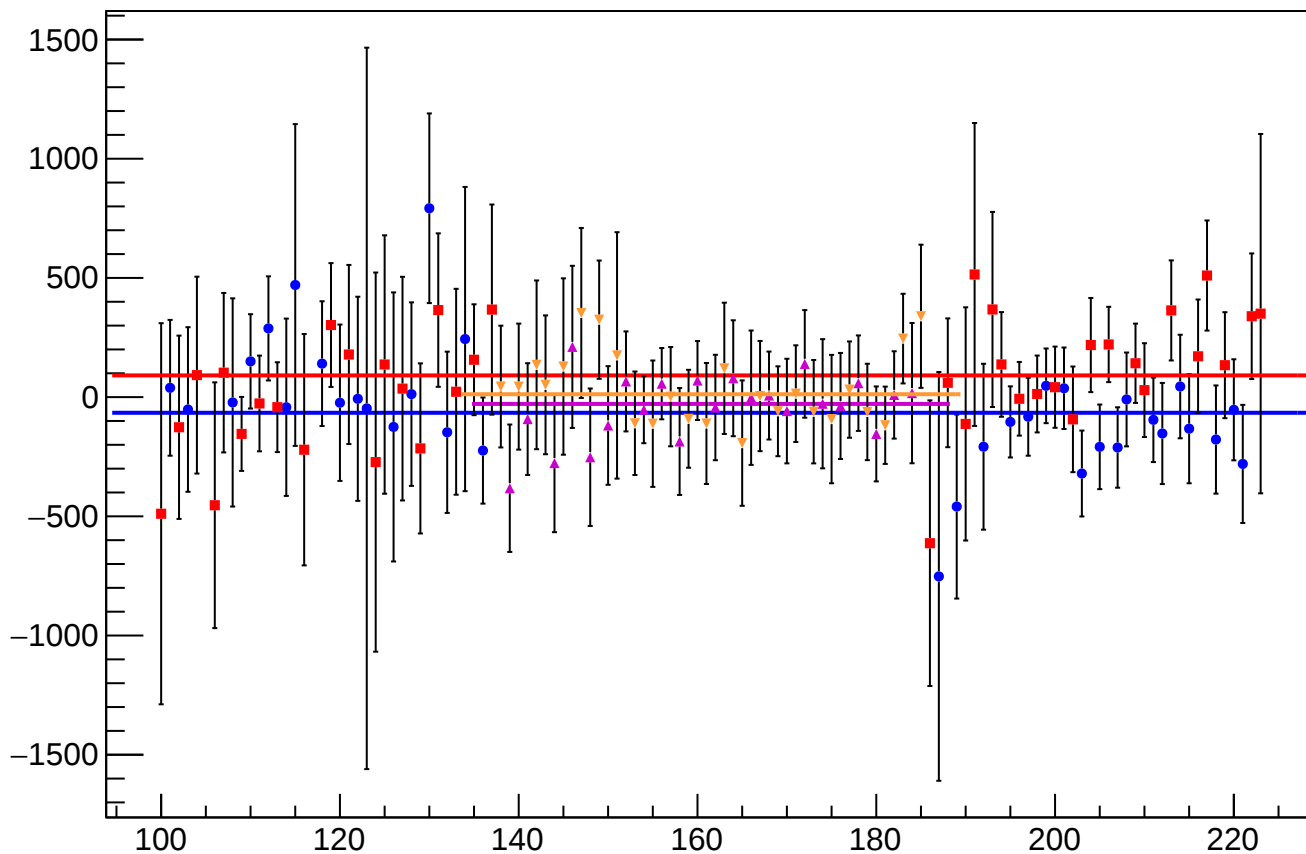
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 196.200 $\pm$ 0.024 χ^2 /NDF: 9741723.8/59

All: 194.007 $\pm$ 0.017 χ^2 /NDF: 20260503.3/12

- sign 191.862 $\pm$ 0.024 χ^2 /NDF: 10502469.3/61

asym_bcm_an_ds_mean vs Slug



Right In: -65.637 ± 40.526 χ^2/NDF : 18.6/34

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 91.134 ± 40.426 χ^2/NDF : 20.0/38

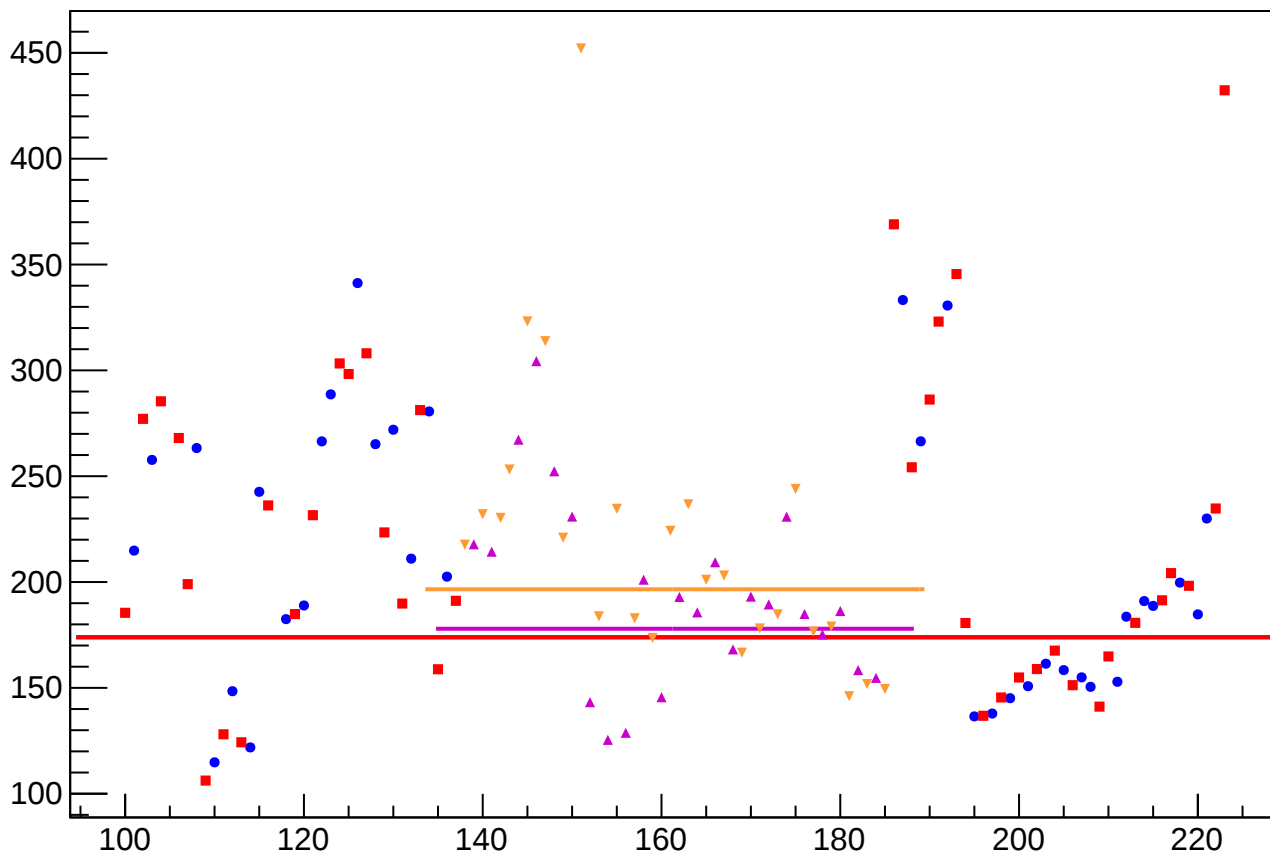
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign -32.880 ± 30.838 χ^2/NDF : 28.7/59

All: 3.209 ± 21.496 χ^2/NDF : 61.9/121

- sign 37.315 ± 29.979 χ^2/NDF : 30.6/61

asym_bcm_an_ds_rms vs Slug



Right In: 173.894 $\pm$ 0.029 χ^2 /NDF: 2325148.6/34

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF:1778719.0/24

Right Out: 173.923 $\pm$ 0.029 χ^2 /NDF: 3283612.8/38

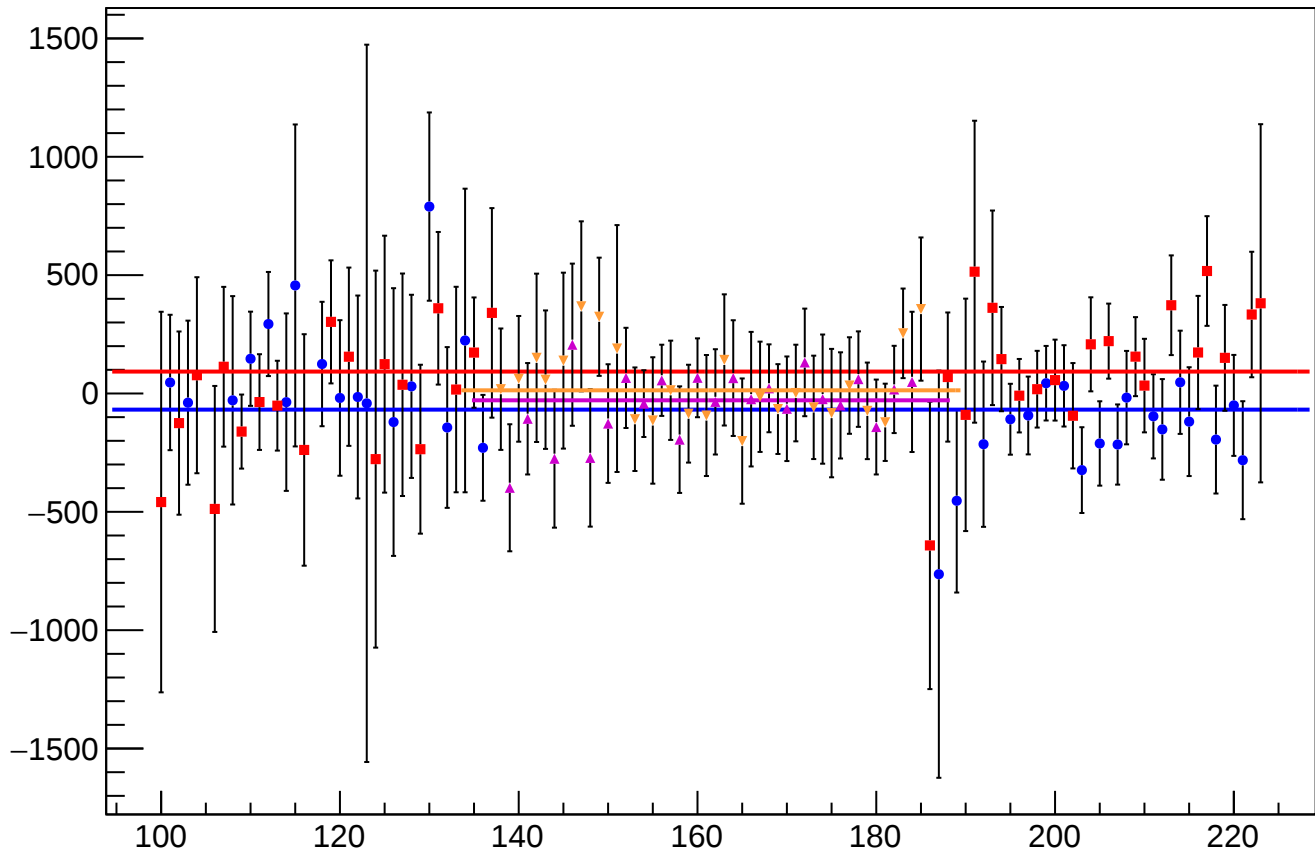
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 183.442 $\pm$ 0.022 χ^2 /NDF: 4367606.0/59

All: 179.476 $\pm$ 0.015 χ^2 /NDF: 9330203.0/123

- sign 175.727 $\pm$ 0.021 χ^2 /NDF: 4898250.8/61

asym_bcm_an_ds3_mean vs Slug



Right In: -68.204 ± 40.713 χ^2/NDF : 18.5/34

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 92.581 ± 40.622 χ^2/NDF : 20.5/38

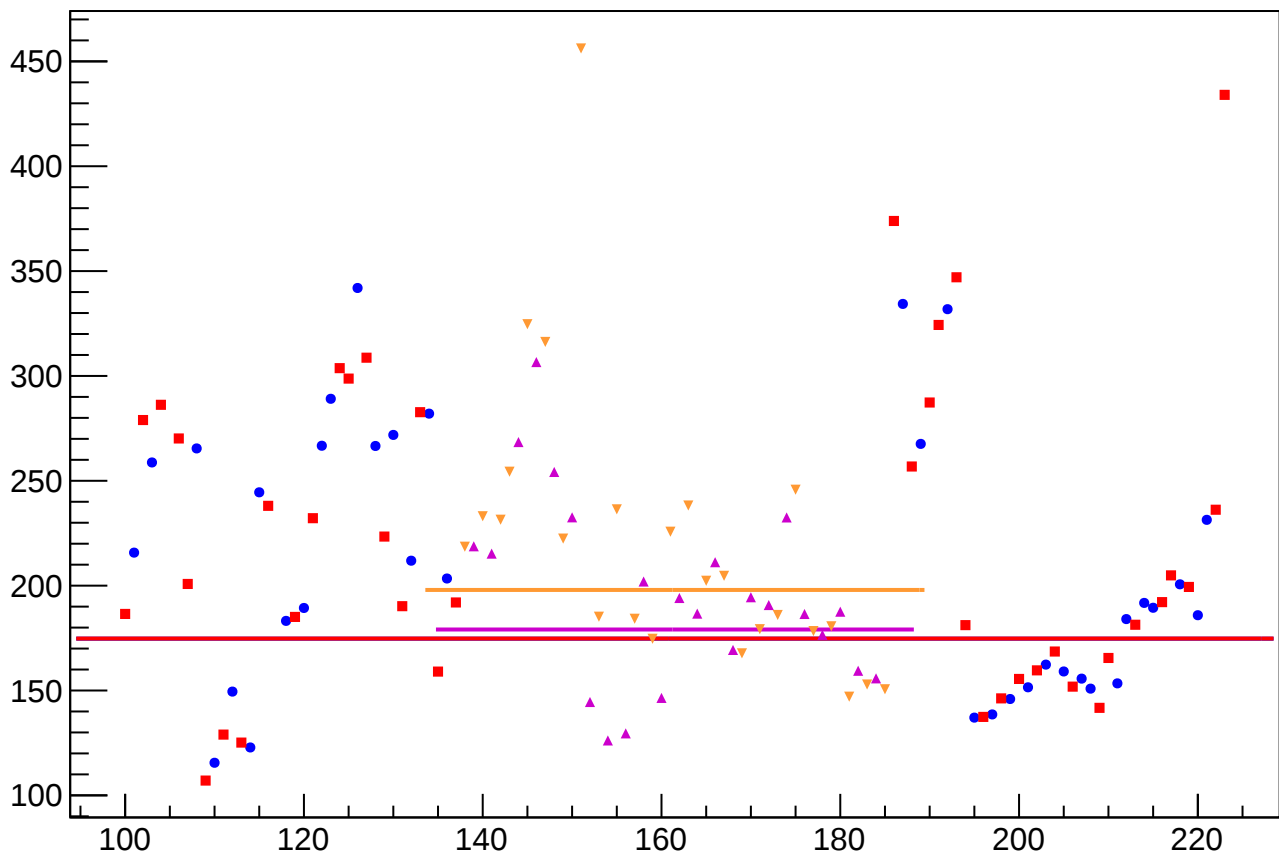
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign -33.948 ± 31.011 χ^2/NDF : 29.2/59

All: 3.068 ± 21.616 χ^2/NDF : 63.2/121

- sign 38.051 ± 30.147 χ^2/NDF : 31.3/61

asym_bcm_an_ds3_rms vs Slug



Right In: 174.712 $\pm$ 0.029 χ^2 /NDF: 2317557.4/34

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 174.774 $\pm$ 0.029 χ^2 /NDF: 3279483.2/38

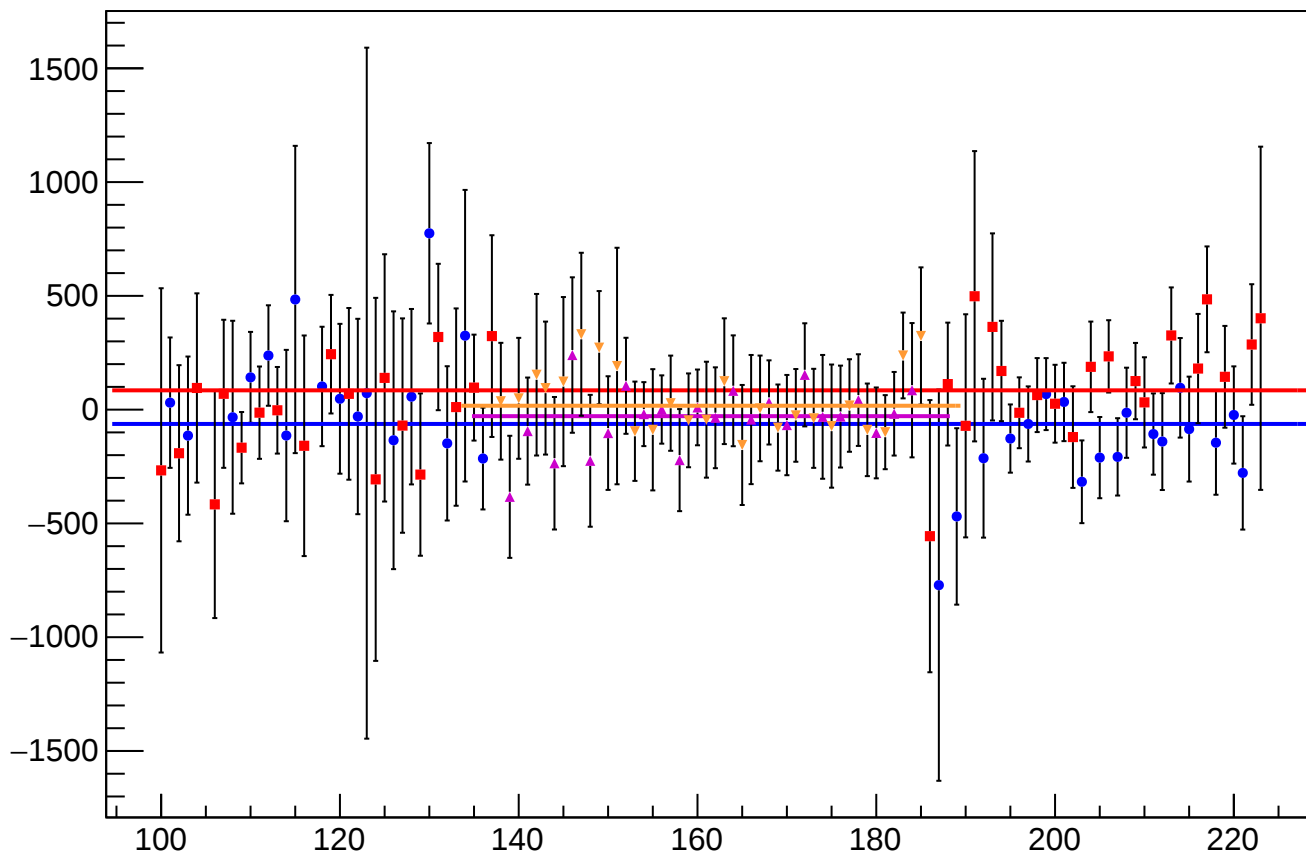
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 184.469 $\pm$ 0.022 χ^2 /NDF: 4365684.1/59

All: 180.481 $\pm$ 0.015 χ^2 /NDF: 9324733.3/123

- sign 176.713 $\pm$ 0.021 χ^2 /NDF: 4894736.1/61

asym_bcm_an_us_mean vs Slug



Right In: -62.854 ± 40.793 χ^2/NDF : 17.9/34

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 84.803 ± 40.656 χ^2/NDF : 17.9/38

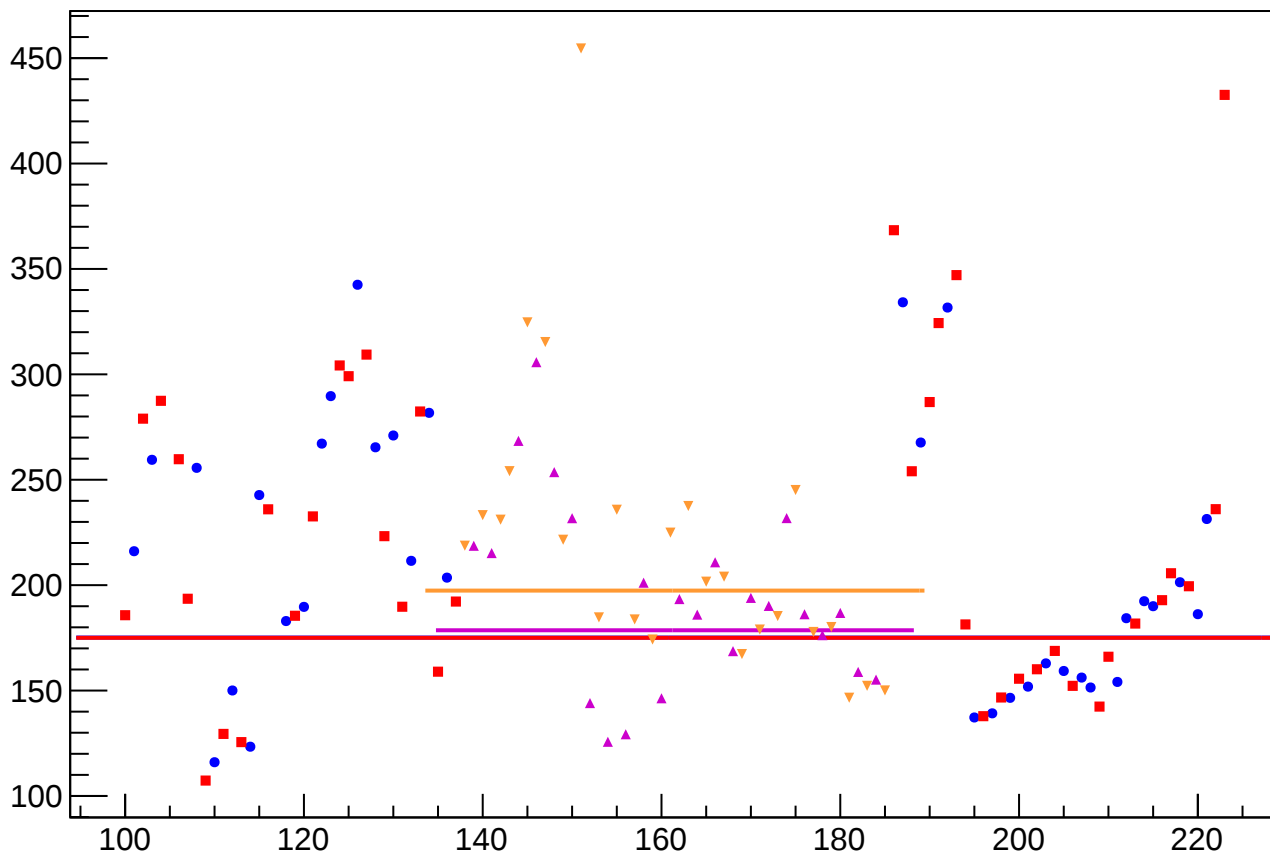
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign -29.093 ± 31.012 χ^2/NDF : 26.6/59

All: 3.183 ± 21.608 χ^2/NDF : 56.2/121

- sign 33.637 ± 30.125 χ^2/NDF : 27.5/61

asym_bcm_an_us_rms vs Slug



Right In: 175.140 $\pm$ 0.029 χ^2 /NDF: 2284058.7/34

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF:1780261.9/24

Right Out: 175.033 $\pm$ 0.029 χ^2 /NDF: 3230140.5/38

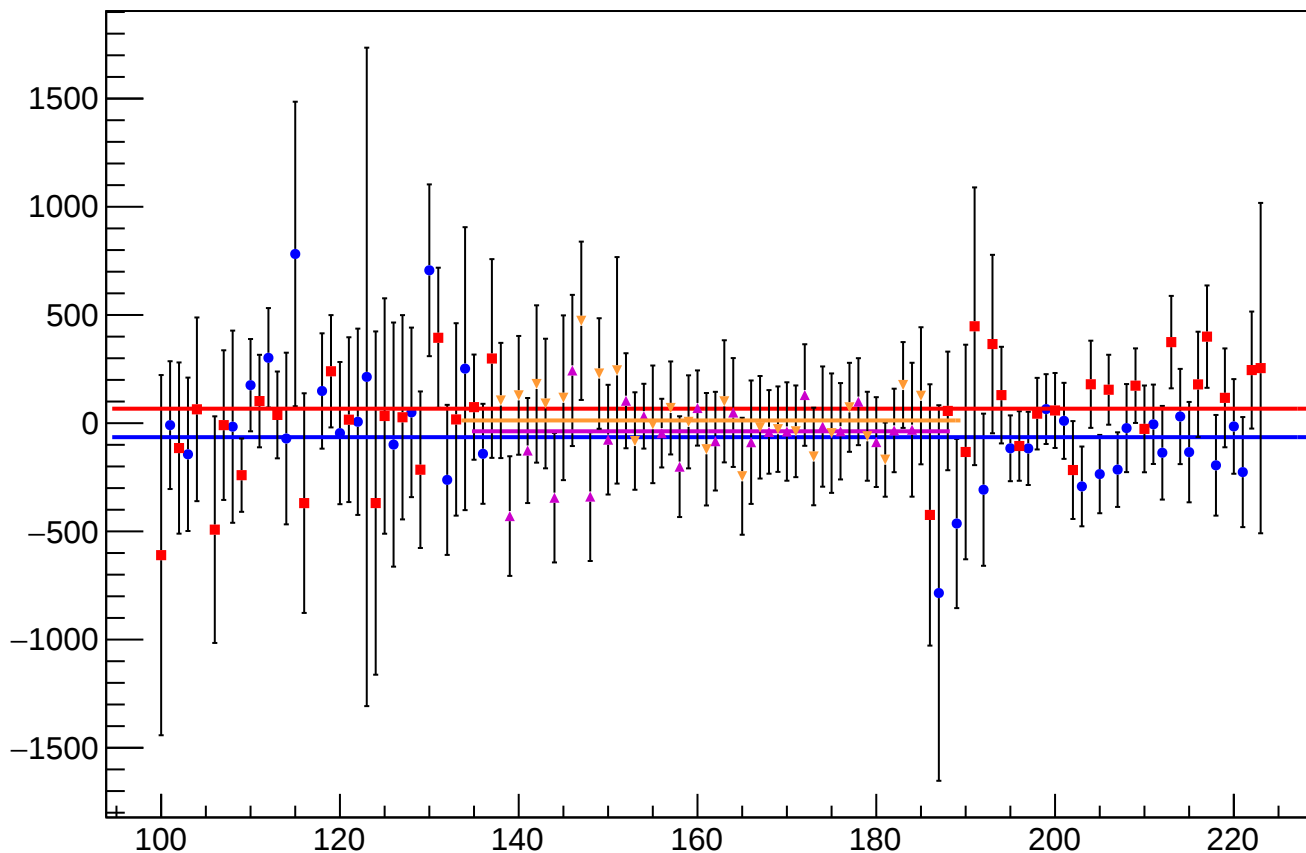
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF:1608998.1/22

+ sign 184.544 $\pm$ 0.022 χ^2 /NDF: 4316145.6/59

All: 180.478 $\pm$ 0.015 χ^2 /NDF: 9229034.4/123

- sign 176.642 $\pm$ 0.021 χ^2 /NDF: 4846086.7/61

asym_bcm_dg_us_mean vs Slug



Right In: -64.638 ± 41.656 $\chi^2/\text{NDF}: 18.3/34$

Left Out: 12.632 ± 49.242 $\chi^2/\text{NDF}: 7.5/24$

Right Out: 66.971 ± 41.689 $\chi^2/\text{NDF}: 19.4/38$

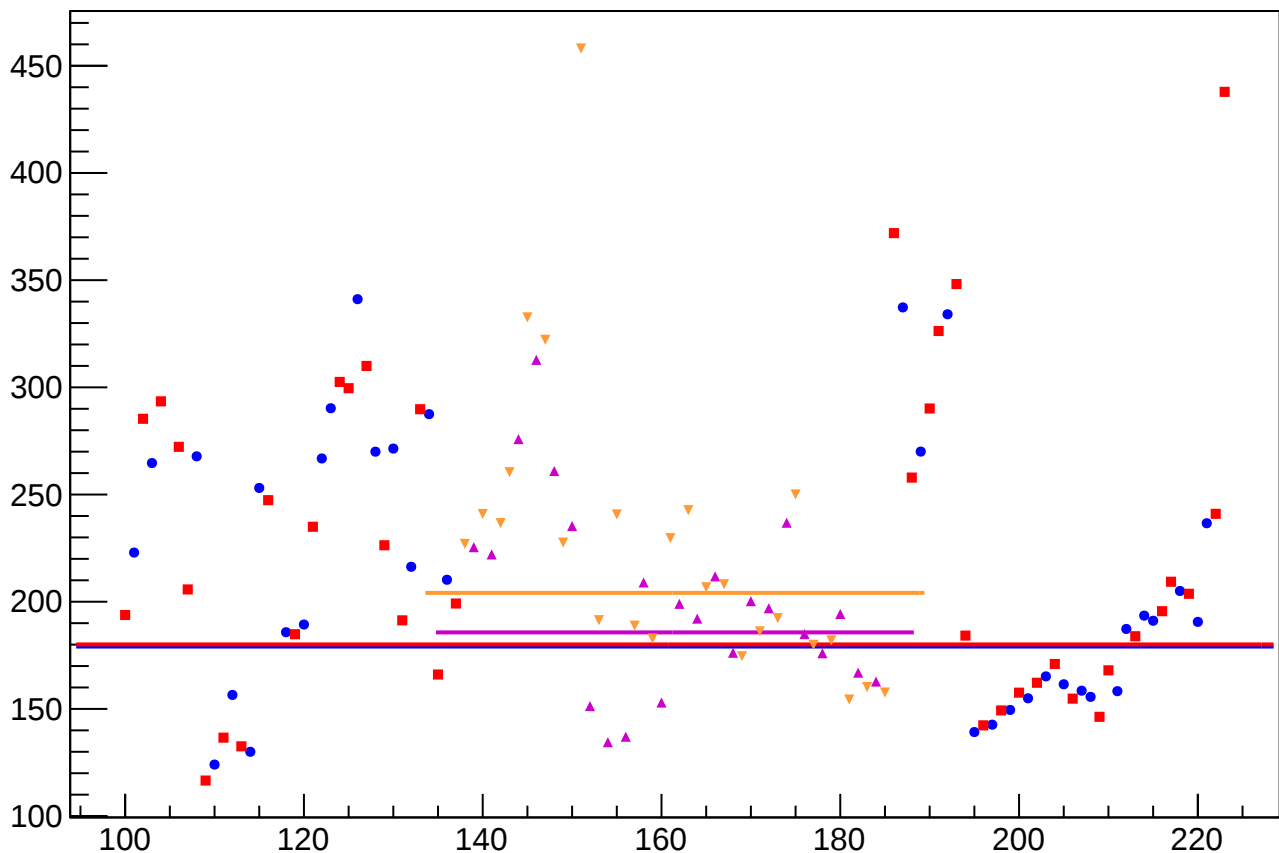
Left In: -37.460 ± 46.479 $\chi^2/\text{NDF}: 7.6/22$

+ sign -32.407 ± 31.803 $\chi^2/\text{NDF}: 27.3/59$

All: -5.351 ± 22.211 $\chi^2/\text{NDF}: 58.5/121$

- sign 20.412 ± 31.034 $\chi^2/\text{NDF}: 29.8/61$

asym_bcm_dg_us_rms vs Slug



Right In: 179.099 $\pm$ 0.029 χ^2 /NDF: 2198081.4/34

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 180.086 $\pm$ 0.029 χ^2 /NDF: 3026452.3/38

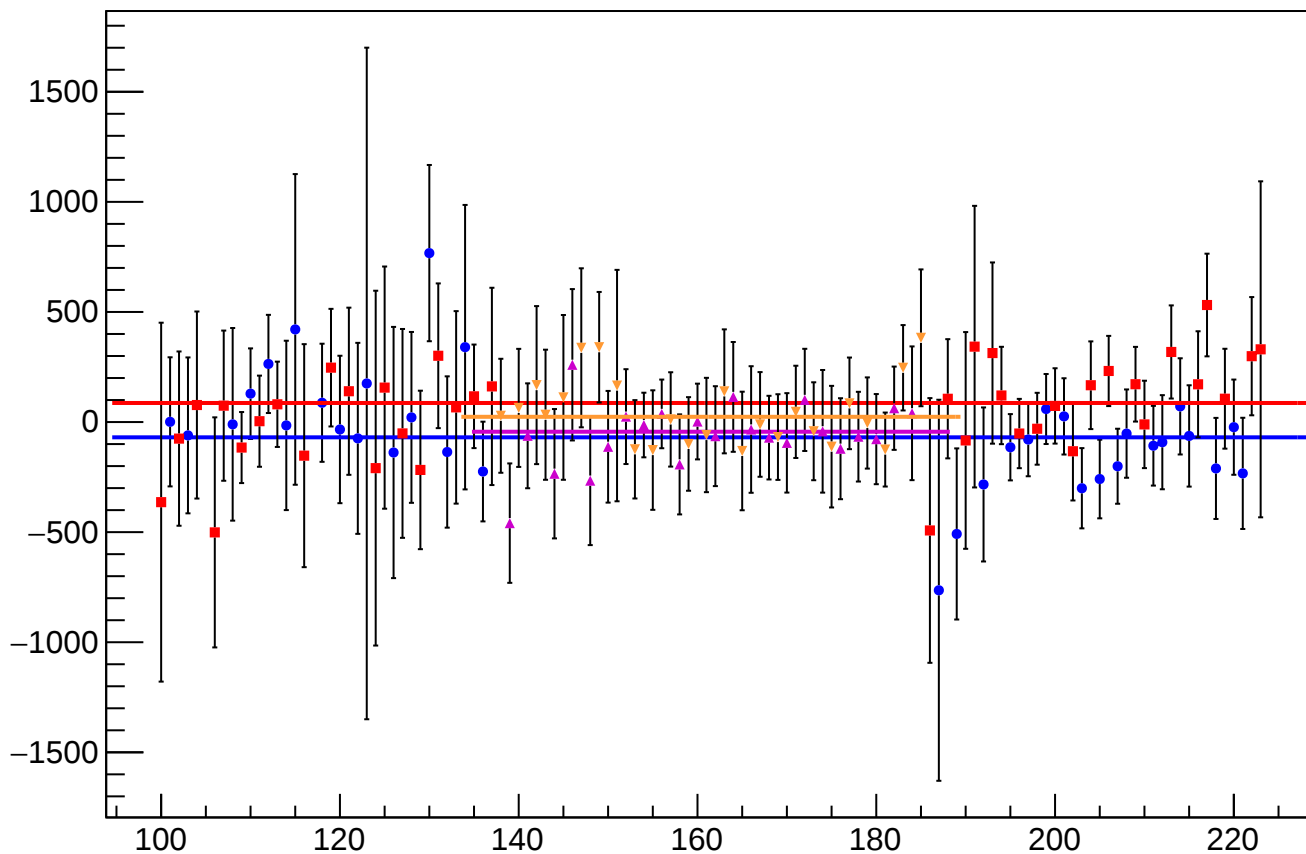
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 189.541 $\pm$ 0.022 χ^2 /NDF: 4171638.6/59

All: 185.978 $\pm$ 0.016 χ^2 /NDF: 8710977.1/123

- sign 182.586 $\pm$ 0.022 χ^2 /NDF: 4490350.8/61

asym_bcm_dg_ds_mean vs Slug



Right In: -69.381 ± 41.152 χ^2/NDF : 17.5/34

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 86.610 ± 41.075 χ^2/NDF : 16.5/38

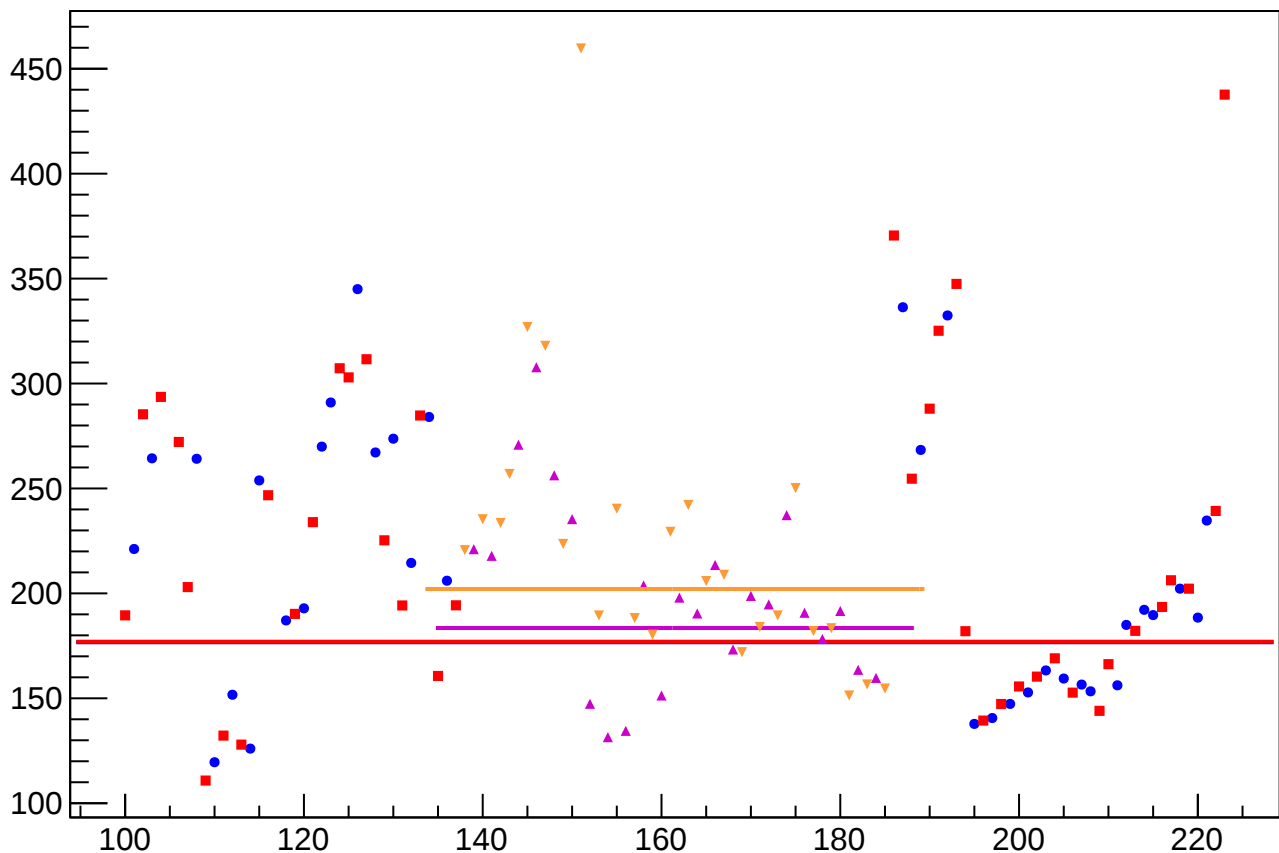
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign -30.623 ± 31.455 χ^2/NDF : 28.1/59

All: -0.201 ± 21.945 χ^2/NDF : 57.4/121

- sign 28.651 ± 30.633 χ^2/NDF : 27.5/61

asym_bcm_dg_ds_rms vs Slug



Right In: 176.707 ± 0.029 χ^2/NDF : 2286750.1/34

Left Out: 202.081 ± 0.034 χ^2/NDF : 1692787.9/24

Right Out: 176.965 ± 0.029 χ^2/NDF : 3206373.4/38

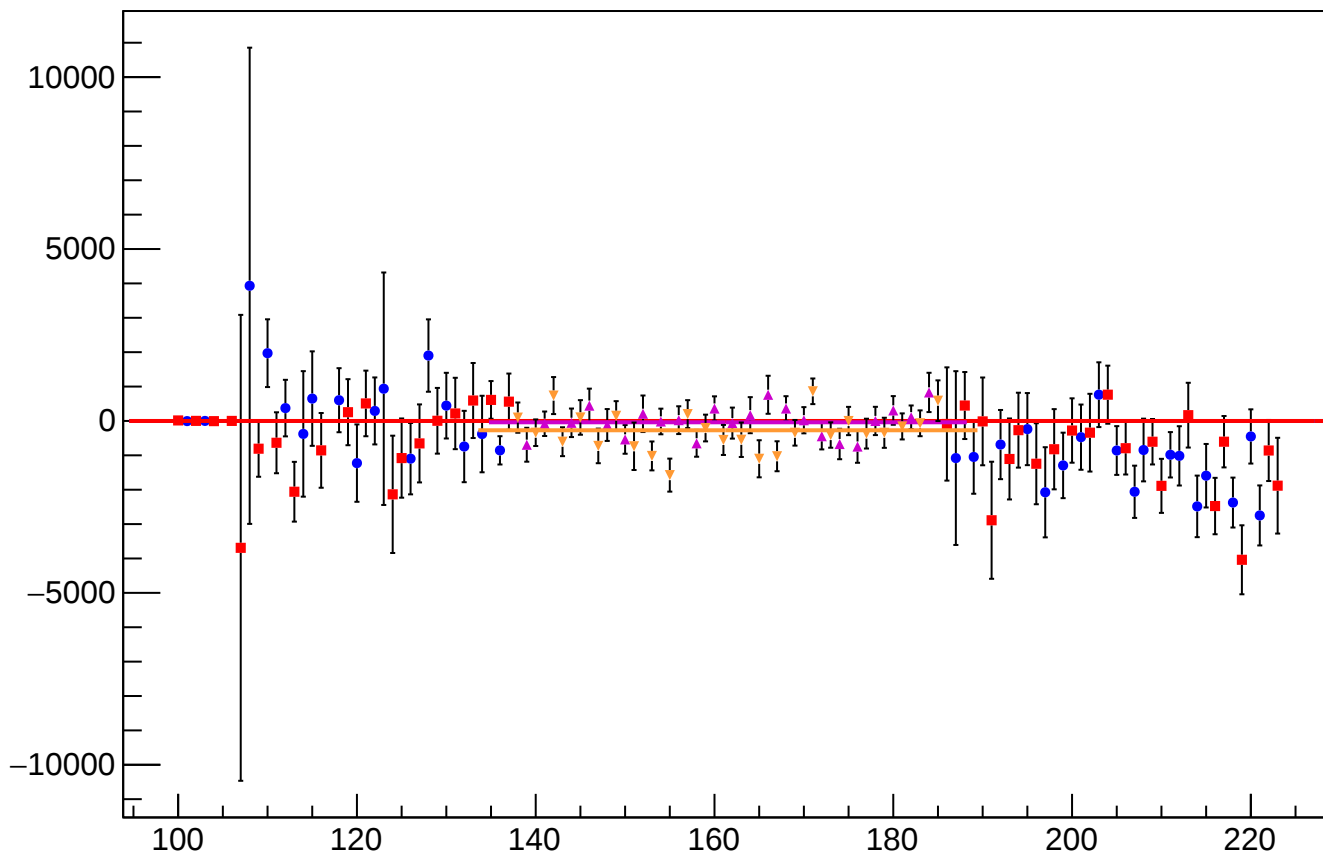
Left In: 183.498 ± 0.033 χ^2/NDF : 1483383.4/22

+ sign 187.256 ± 0.022 χ^2/NDF : 4295656.5/59

All: 183.463 ± 0.016 χ^2/NDF : 9064558.3/123

- sign 179.864 ± 0.022 χ^2/NDF : 4712214.7/61

asym_cav4bQ_mean vs Slug



Right In: -1.671 ± 2.251 χ^2/NDF : 69.2/34

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.811 ± 2.111 χ^2/NDF : 62.2/38

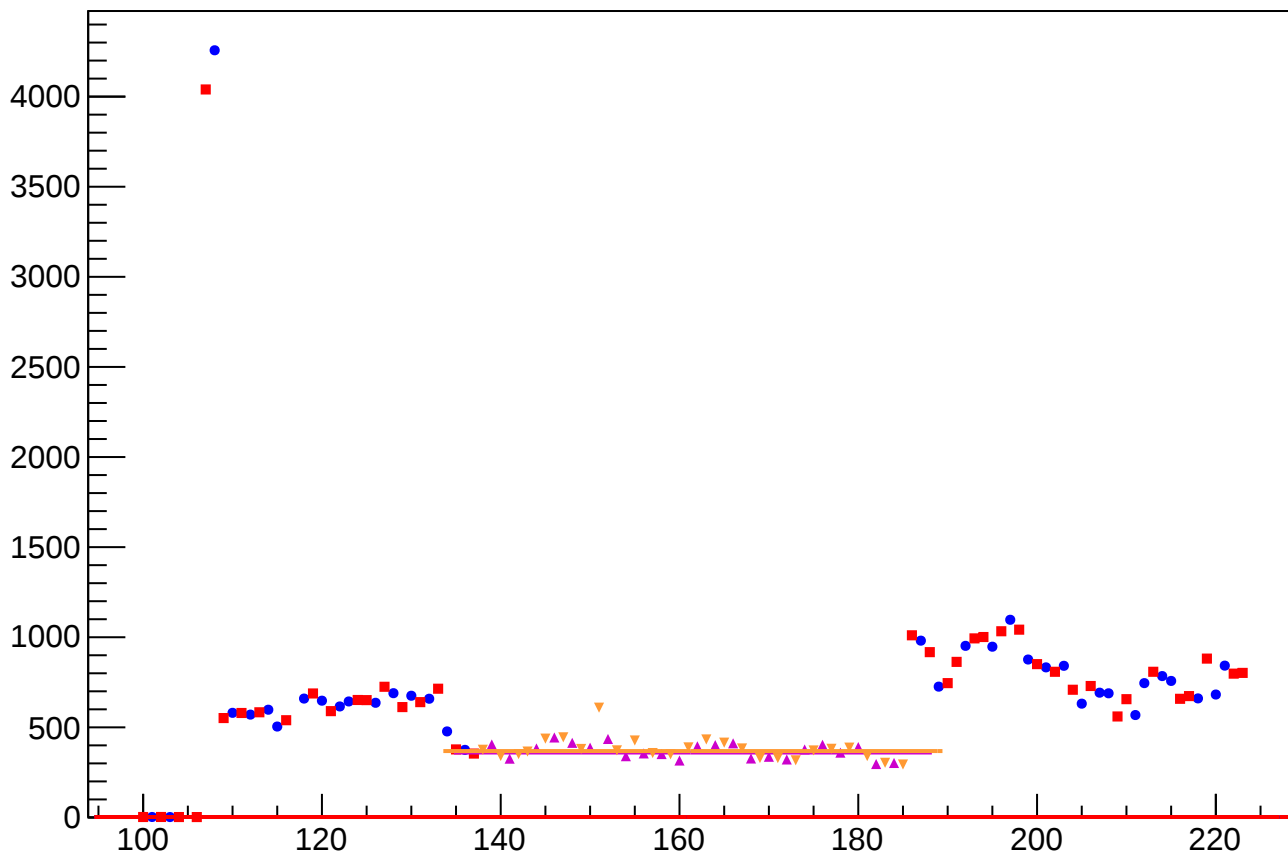
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.852 ± 2.251 χ^2/NDF : 116.8/59

All: -1.309 ± 1.539 χ^2/NDF : 199.6/121

- sign -0.833 ± 2.110 χ^2/NDF : 82.6/61

asym_cav4bQ_rms vs Slug



Right In: 2.542 $\pm$ 0.002 χ^2 /NDF: 36787227.8/34

Left Out: 368.397 $\pm$ 0.061 χ^2 /NDF: 622466.1/24

Right Out: 2.511 $\pm$ 0.001 χ^2 /NDF: 37850484.4/38

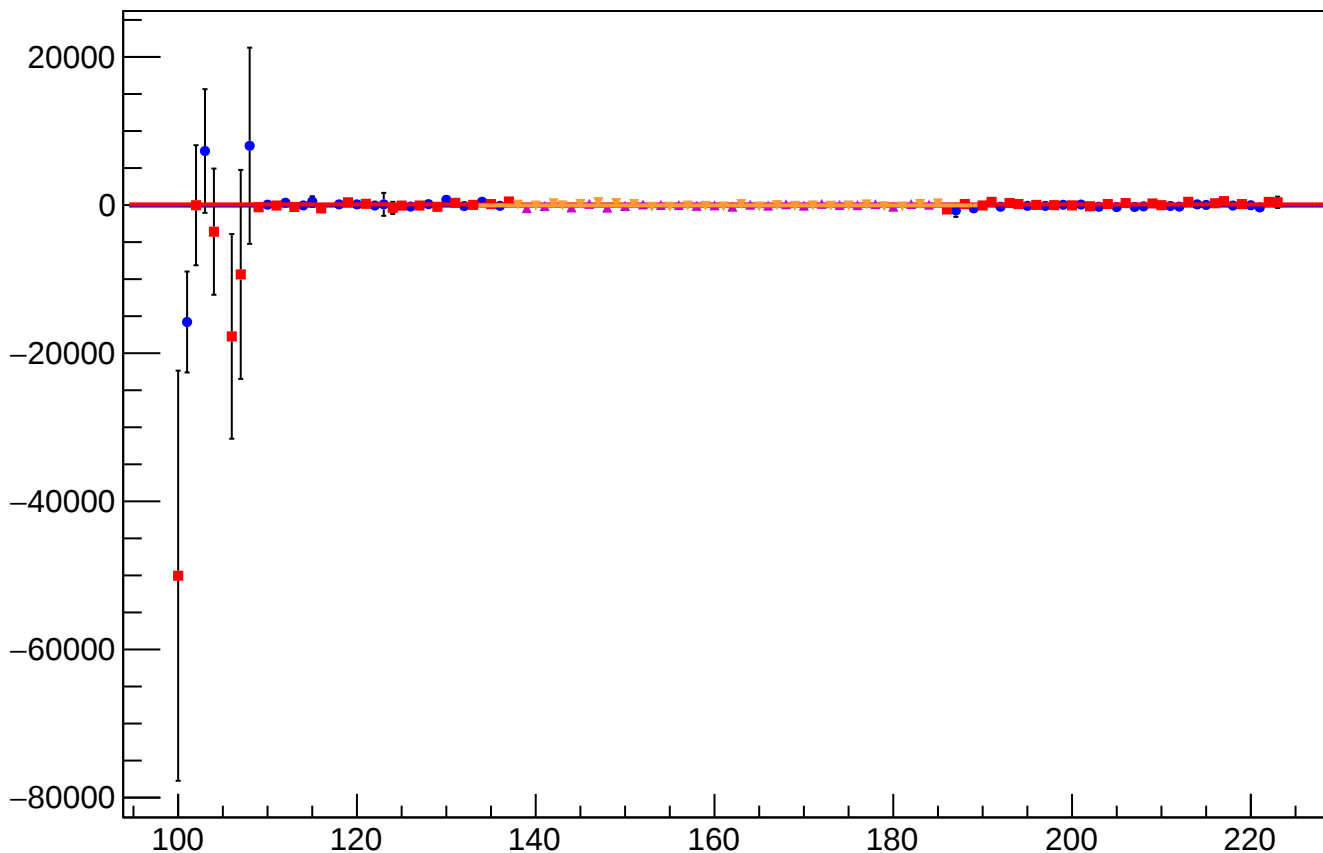
Left In: 360.408 $\pm$ 0.062 χ^2 /NDF: 417739.4/22

+ sign 2.787 $\pm$ 0.002 χ^2 /NDF: 72780459.3/59

All: 2.750 $\pm$ 0.001 χ^2 /NDF: 144285684.3/121

- sign 2.718 $\pm$ 0.001 χ^2 /NDF: 71504215.1/61

asym_cav4cQ_mean vs Slug



Right In: -64.503 $\pm$ 44.654 χ^2 /NDF: 22.9/34

Left Out: -38.013 $\pm$ 49.628 χ^2 /NDF: 9.3/24

Right Out: 91.249 $\pm$ 45.224 χ^2 /NDF: 29.8/38

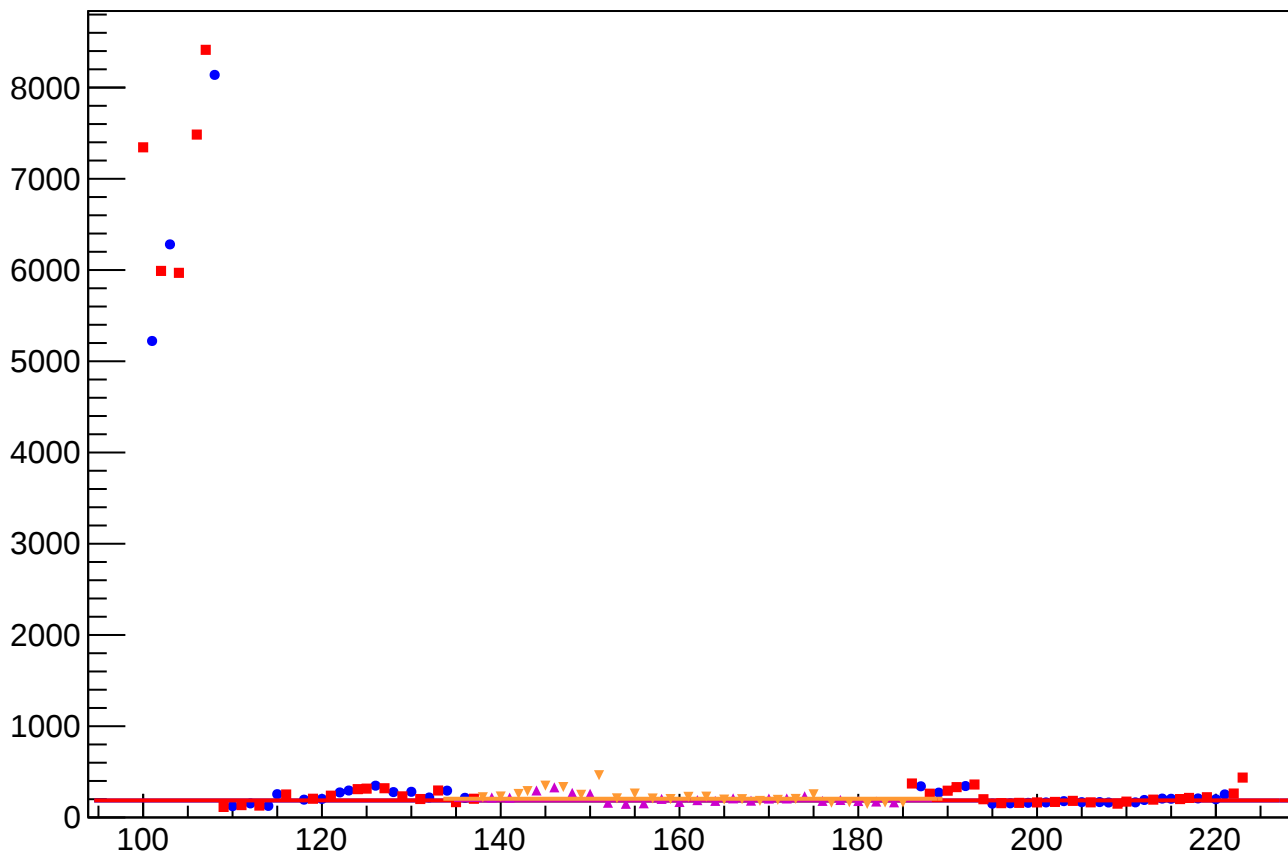
Left In: -28.205 $\pm$ 48.167 χ^2 /NDF: 9.2/22

+ sign -52.652 $\pm$ 33.195 χ^2 /NDF: 32.4/59

All: -8.385 $\pm$ 23.392 χ^2 /NDF: 78.2/121

- sign 35.283 $\pm$ 32.969 χ^2 /NDF: 42.3/61

asym_cav4cQ_rms vs Slug



Right In: 185.543 $\pm$ 0.032 χ^2 /NDF: 4741427.2/34

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 187.036 $\pm$ 0.032 χ^2 /NDF: 5871351.4/38

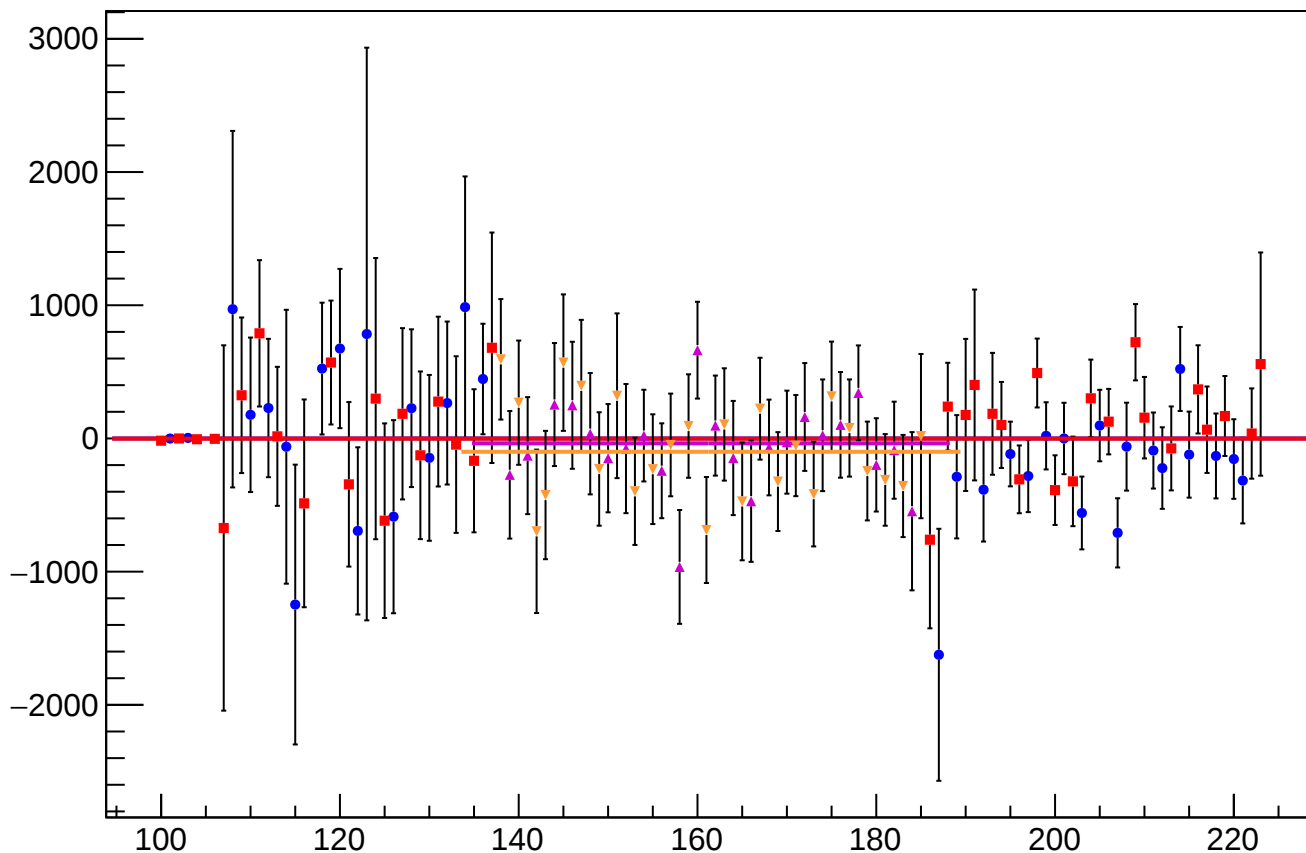
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 194.260 $\pm$ 0.023 χ^2 /NDF: 6867816.0/59

All: 192.125 $\pm$ 0.017 χ^2 /NDF: 13946350.3/12

- sign 190.020 $\pm$ 0.023 χ^2 /NDF: 7062105.2/61

asym_cav4dQ_mean vs Slug



Right In: -0.242 ± 1.736 χ^2/NDF : 32.4/34

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.269 ± 1.622 χ^2/NDF : 30.2/38

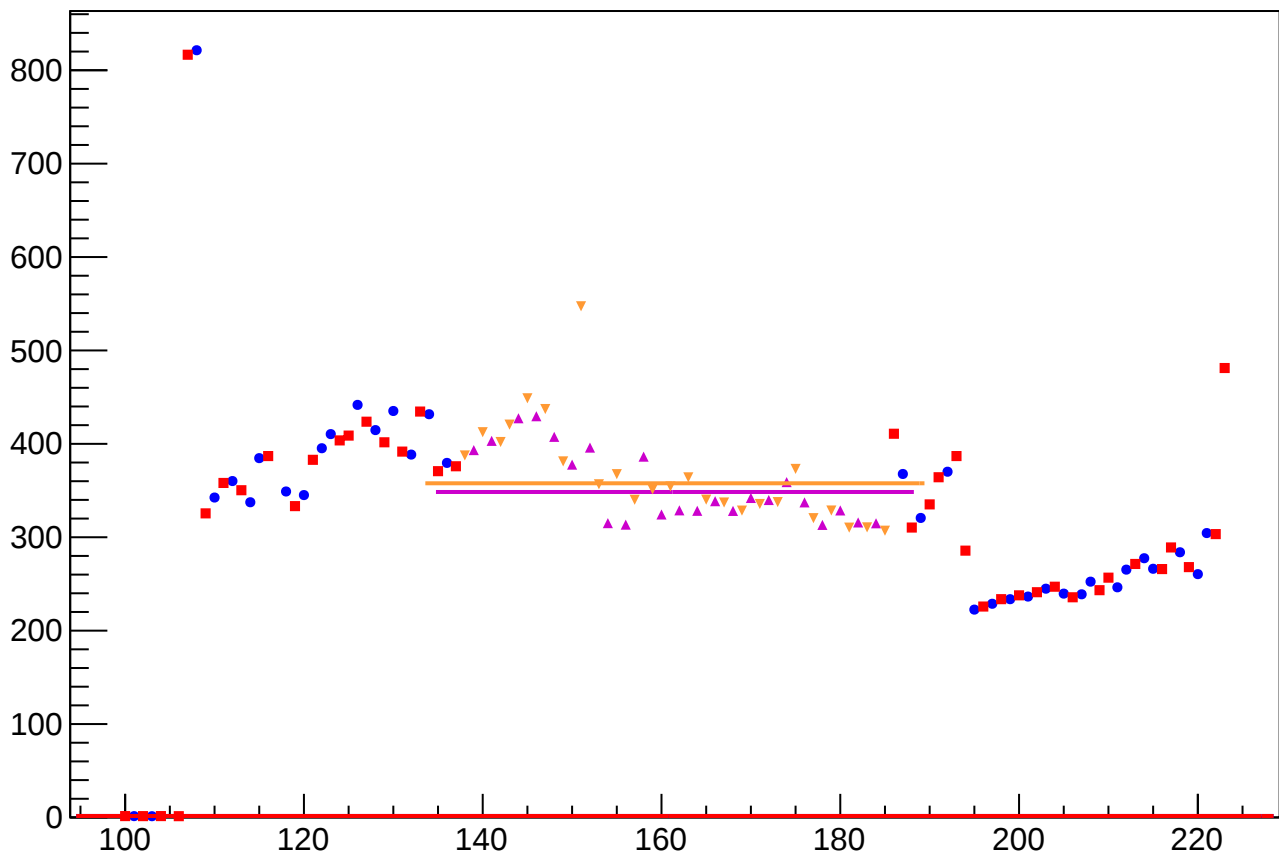
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.284 ± 1.736 χ^2/NDF : 49.5/59

All: -0.817 ± 1.185 χ^2/NDF : 93.5/121

- sign -1.282 ± 1.622 χ^2/NDF : 43.9/61

asym_cav4dQ_rms vs Slug



Right In: 1.604 $\pm$ 0.001 χ^2 /NDF: 36922941.7/34

Left Out: 357.771 $\pm$ 0.060 χ^2 /NDF: 547124.8/24

Right Out: 1.580 $\pm$ 0.001 χ^2 /NDF: 37528262.6/38

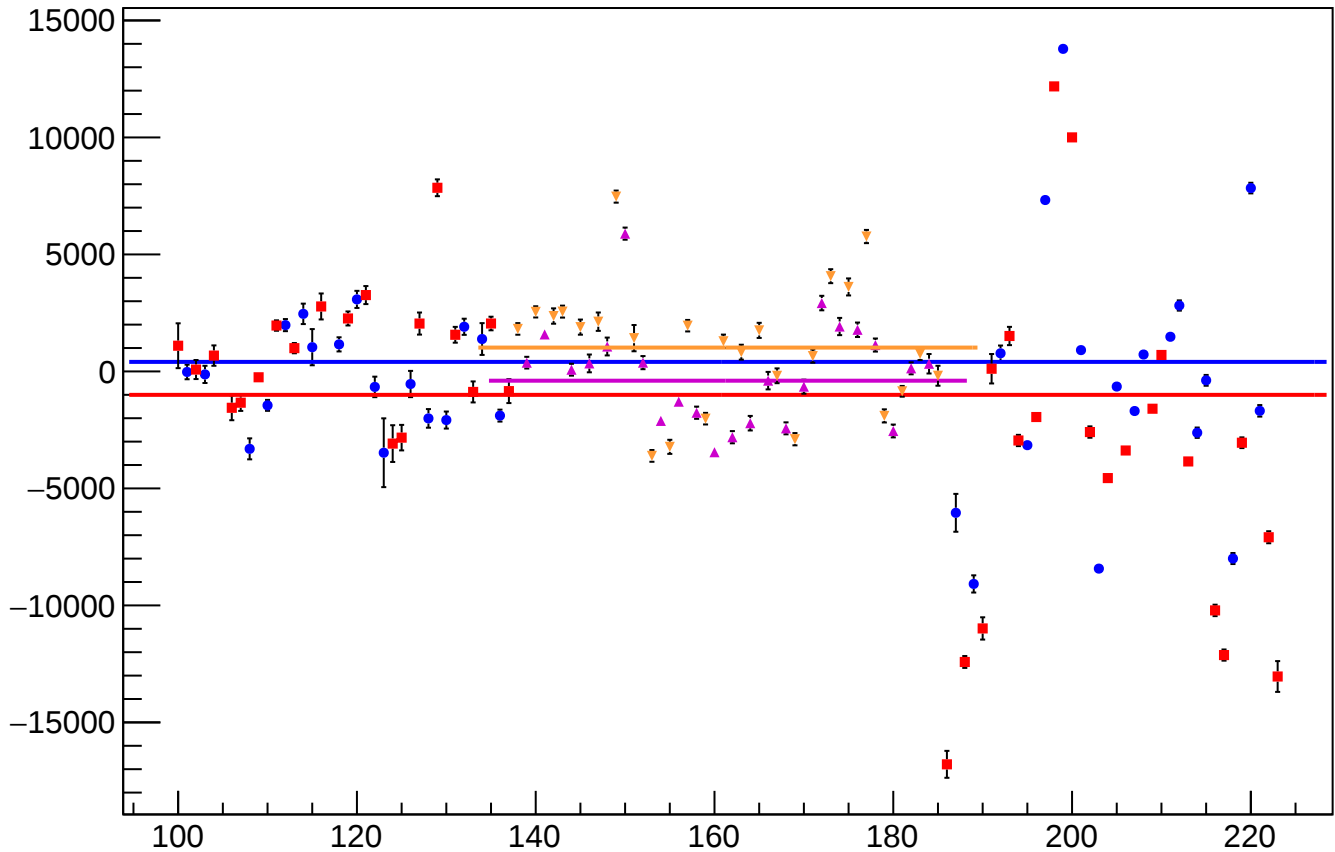
Left In: 348.464 $\pm$ 0.060 χ^2 /NDF: 360425.7/22

+ sign 1.755 $\pm$ 0.001 χ^2 /NDF: 73249577.6/59

All: 1.730 $\pm$ 0.001 χ^2 /NDF: 144691595.9/121

- sign 1.708 $\pm$ 0.001 χ^2 /NDF: 71441207.7/61

asym_bcm0l02_mean vs Slug



Right In: 407.495 $\pm$ 44.117 χ^2 /NDF: 13588.0/34

Left Out: 1018.965 $\pm$ 57.402 χ^2 /NDF:2310.1/24

Right Out: -1001.513 $\pm$ 43.826 χ^2 /NDF: 18827.5/38

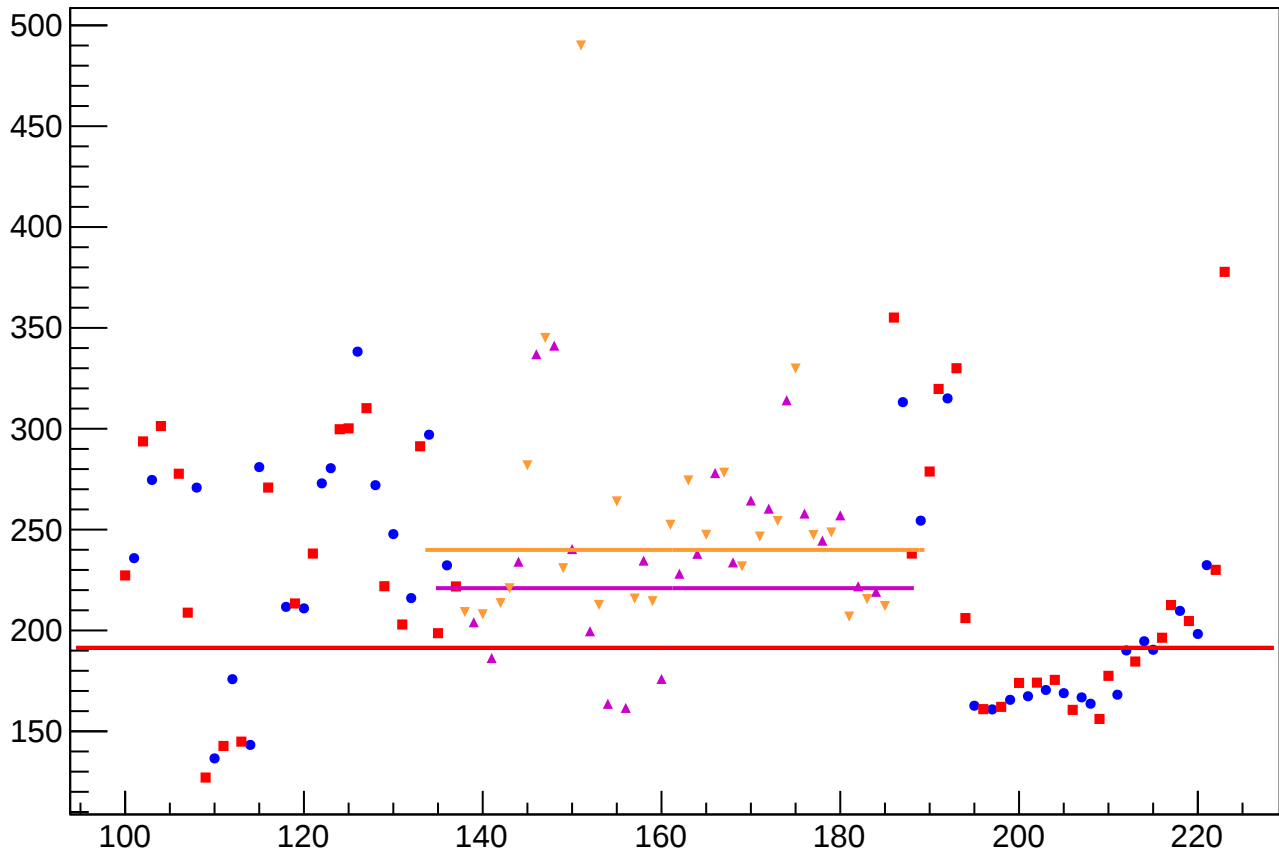
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF:1581.0/22

+ sign 634.559 $\pm$ 34.979 χ^2 /NDF: 15969.5/59

All: -80.053 $\pm$ 24.489 χ^2 /NDF: 37270.5/121

- sign -767.060 $\pm$ 34.297 χ^2 /NDF: 20482.4/61

asym_bcm0l02_rms vs Slug



Right In: 191.348+/-0.031 χ^2/NDF : 1622217.8/34

Left Out: 239.942+/-0.041 χ^2/NDF : 1000770.0/24

Right Out: 191.405+/-0.031 χ^2/NDF : 2363693.9/38

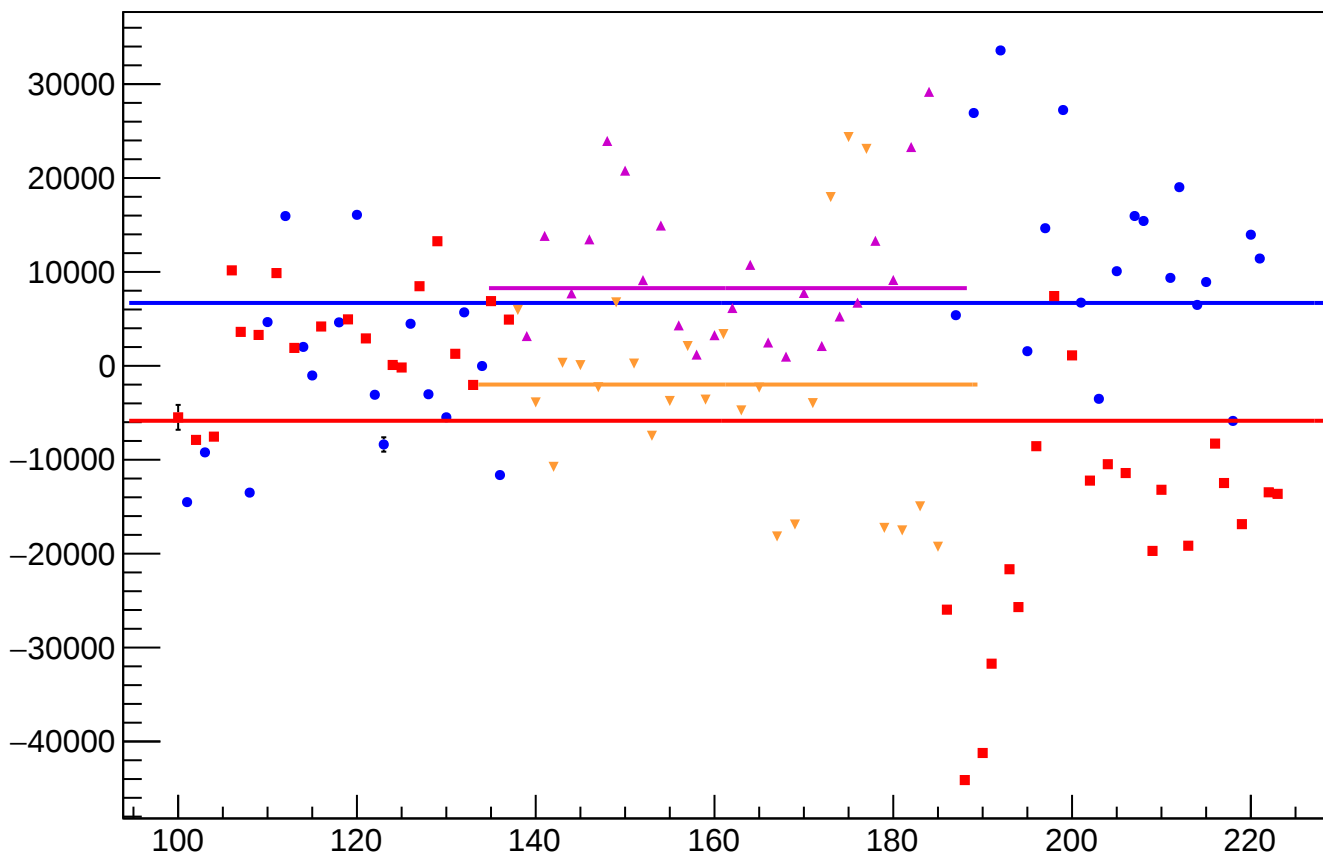
Left In: 220.972+/-0.039 χ^2/NDF : 1327680.6/22

+ sign 209.393+/-0.025 χ^2/NDF : 3524034.1/59

All: 206.064+/-0.017 χ^2/NDF : 7603732.5/123

- sign 202.865+/-0.024 χ^2/NDF : 4044178.3/61

asym_bpm0i02WS_mean vs Slug



Right In: 6697.508 ± 38.234 $\chi^2/\text{NDF}: 97322.3/34$

Left Out: -1991.788 ± 42.427 $\chi^2/\text{NDF}: 63766.6/24$

Right Out: -5850.091 ± 37.010 $\chi^2/\text{NDF}: 148135.6/38$

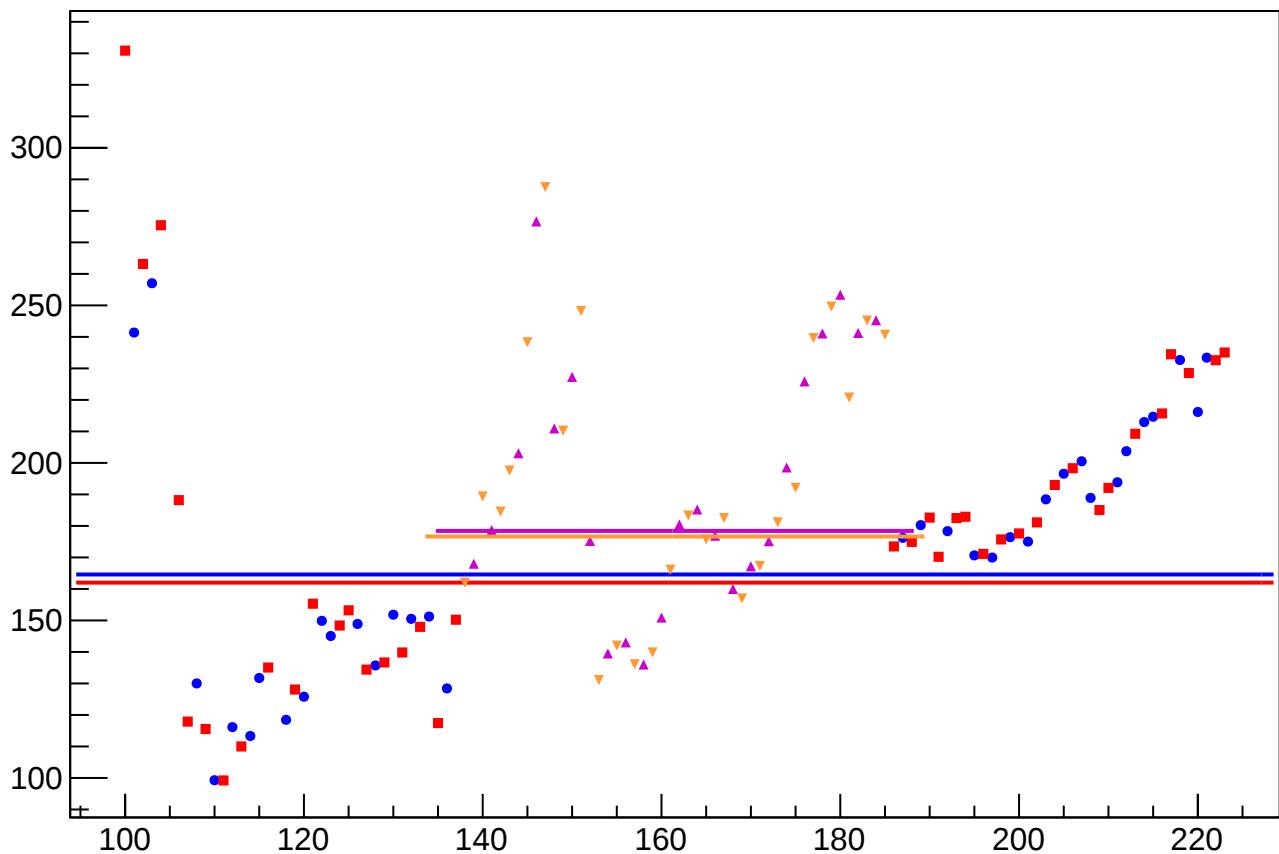
Left In: 8273.228 ± 44.301 $\chi^2/\text{NDF}: 22870.2/22$

+ sign 2803.261 ± 28.403 $\chi^2/\text{NDF}: 184236.0/59$

All: 1379.235 ± 20.084 $\chi^2/\text{NDF}: 420127.7/12$

- sign -44.792 ± 28.403 $\chi^2/\text{NDF}: 230864.2/61$

asym_bpm0i02WS_rms vs Slug



Right In: 164.590 $\pm$ 0.027 χ^2 /NDF: 2040126.8/34

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 162.008 $\pm$ 0.026 χ^2 /NDF: 2363907.1/38

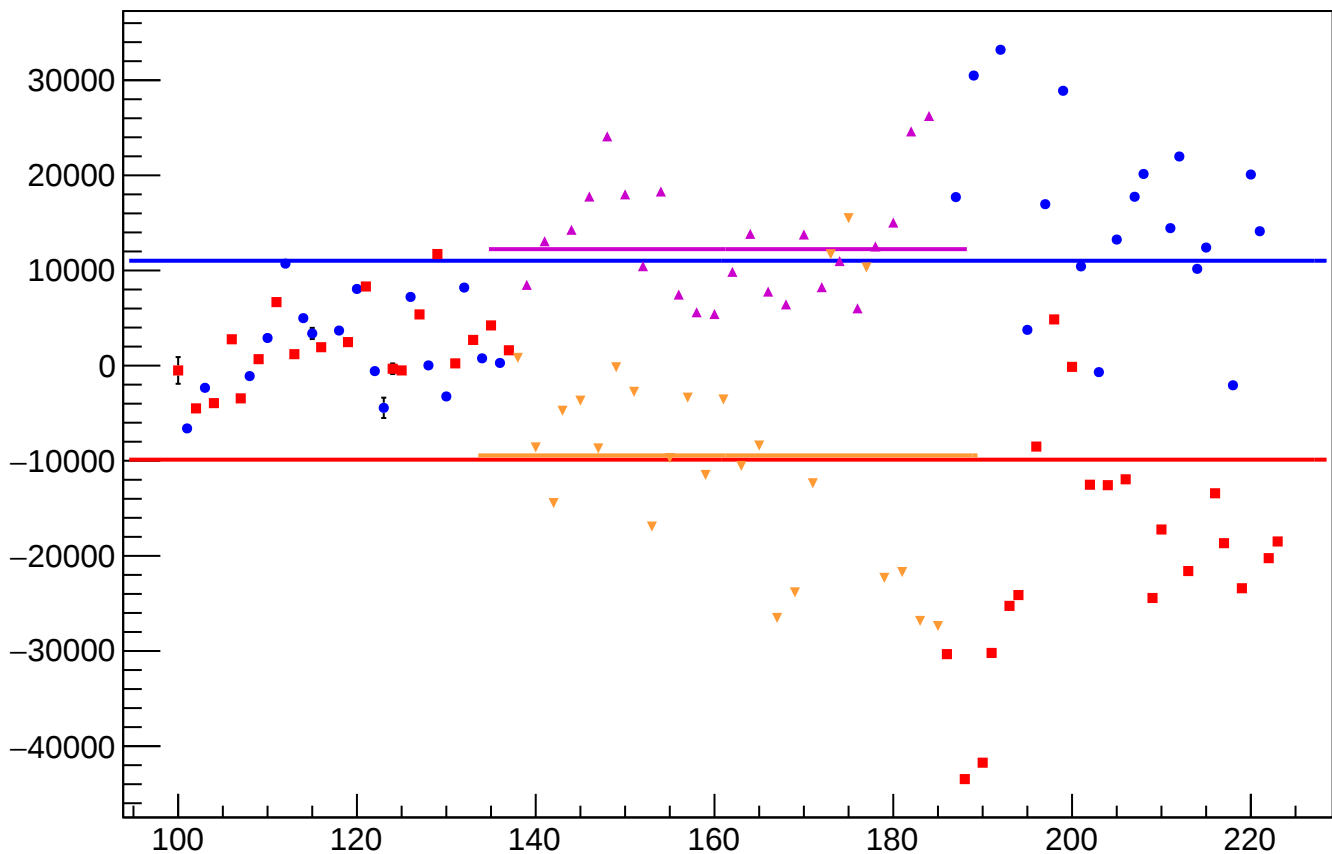
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 169.991 $\pm$ 0.020 χ^2 /NDF: 3680221.7/59

All: 169.371 $\pm$ 0.014 χ^2 /NDF: 7501305.6/123

- sign 168.751 $\pm$ 0.020 χ^2 /NDF: 3819179.6/61

asym_bpm0i02aWS_mean vs Slug



Right In: 11022.905 $\pm$ 41.709 χ^2 /NDF: 59144.8/34

Left Out: -9437.408 $\pm$ 45.534 χ^2 /NDF: 62220.4/24

Right Out: -9885.006 $\pm$ 40.508 χ^2 /NDF: 122631.7/38

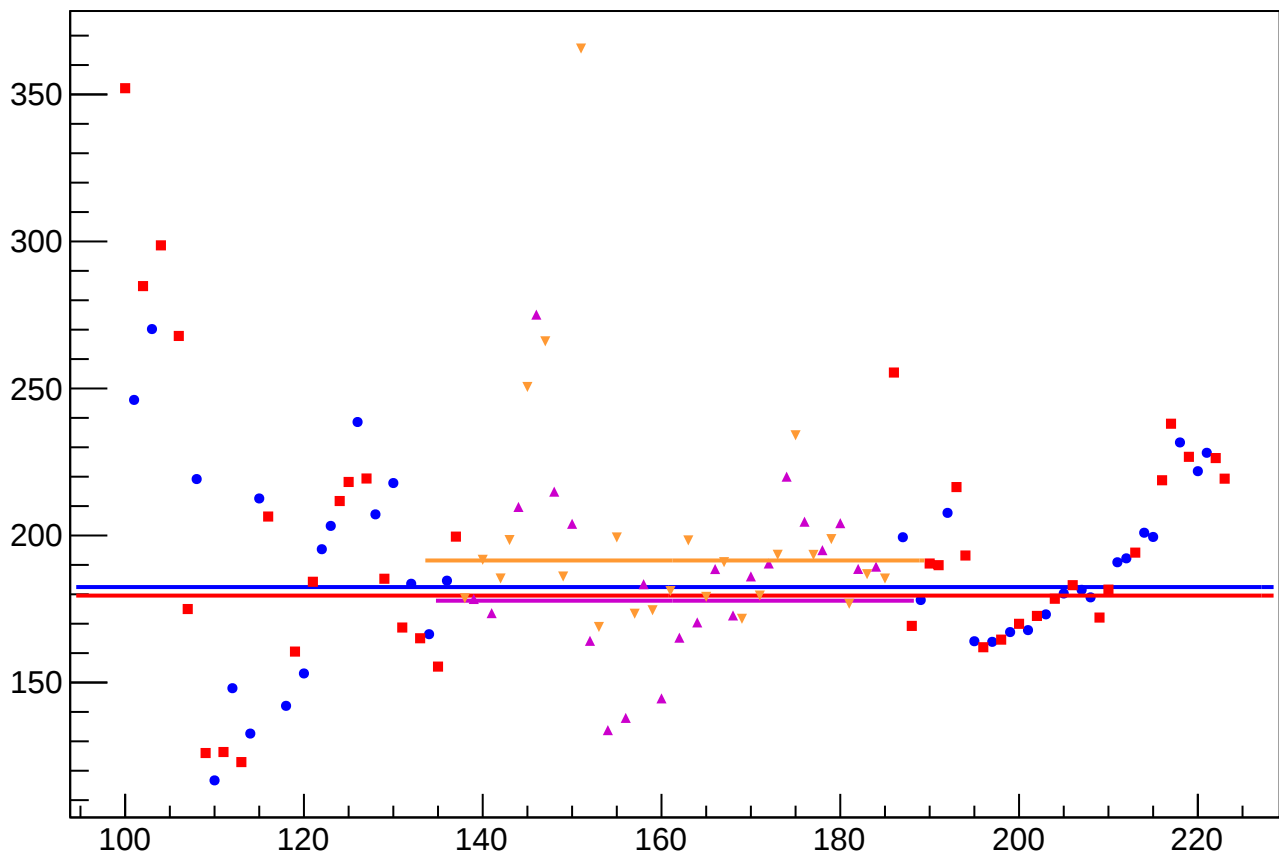
Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF: 16615.8/22

+ sign 1688.235 $\pm$ 30.756 χ^2 /NDF: 231154.3/59

All: 961.419 $\pm$ 21.396 χ^2 /NDF: 508552.8/121

- sign 279.803 $\pm$ 29.784 χ^2 /NDF: 276316.2/61

asym_bpm0i02aWS_rms vs Slug



Right In: 182.464 $\pm$ 0.029 χ^2 /NDF: 1031770.9/34

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 179.563 $\pm$ 0.029 χ^2 /NDF: 1482998.4/38

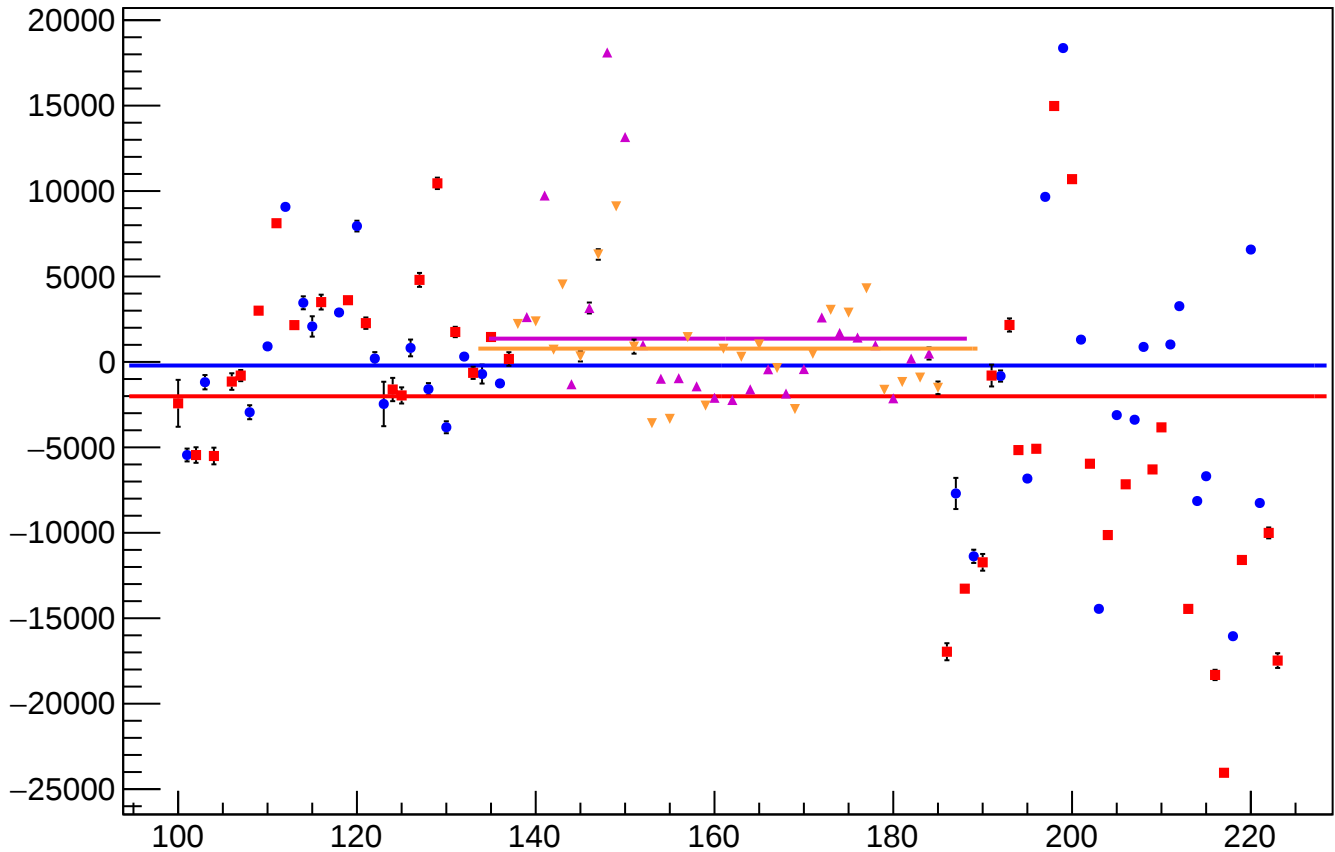
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 186.589 $\pm$ 0.022 χ^2 /NDF: 1801917.5/59

All: 182.551 $\pm$ 0.015 χ^2 /NDF: 4215938.5/123

- sign 178.763 $\pm$ 0.021 χ^2 /NDF: 2347191.2/61

asym_bpm0i05WS_mean vs Slug



Right In: -210.334 ± 46.763 $\chi^2/\text{NDF}: 26900.0/34$

Left Out: 779.983 ± 47.457 $\chi^2/\text{NDF}: 4260.8/24$

Right Out: -2011.048 ± 45.665 $\chi^2/\text{NDF}: 37736.8/38$

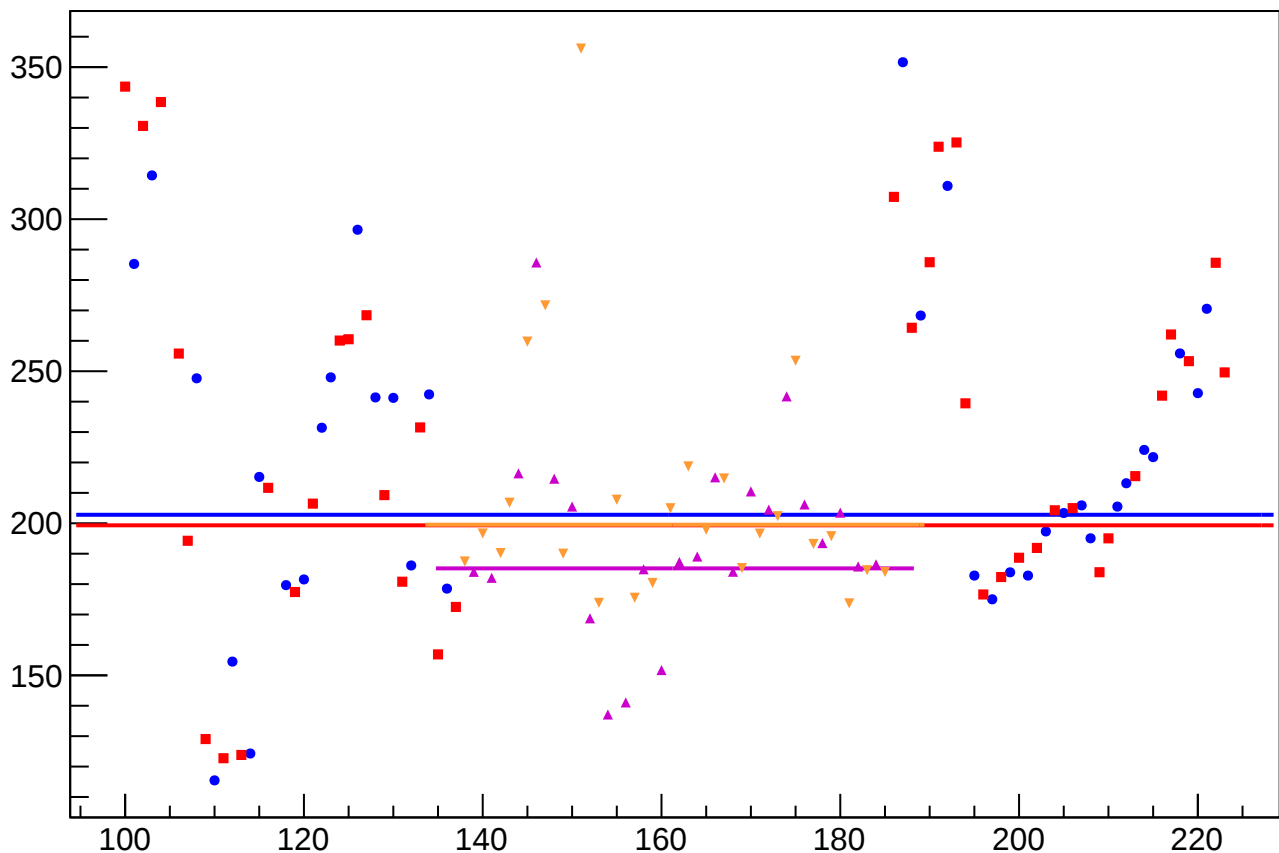
Left In: 1363.043 ± 45.807 $\chi^2/\text{NDF}: 11632.9/22$

+ sign 277.523 ± 33.309 $\chi^2/\text{NDF}: 31381.7/59$

All: -34.810 ± 23.203 $\chi^2/\text{NDF}: 83643.5/121$

- sign -329.232 ± 32.340 $\chi^2/\text{NDF}: 52091.0/61$

asym_bpm0i05WS_rms vs Slug



Right In: 202.799 $\pm$ 0.033 χ^2 /NDF: 1712407.3/34

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 199.334 $\pm$ 0.032 χ^2 /NDF: 2581540.0/38

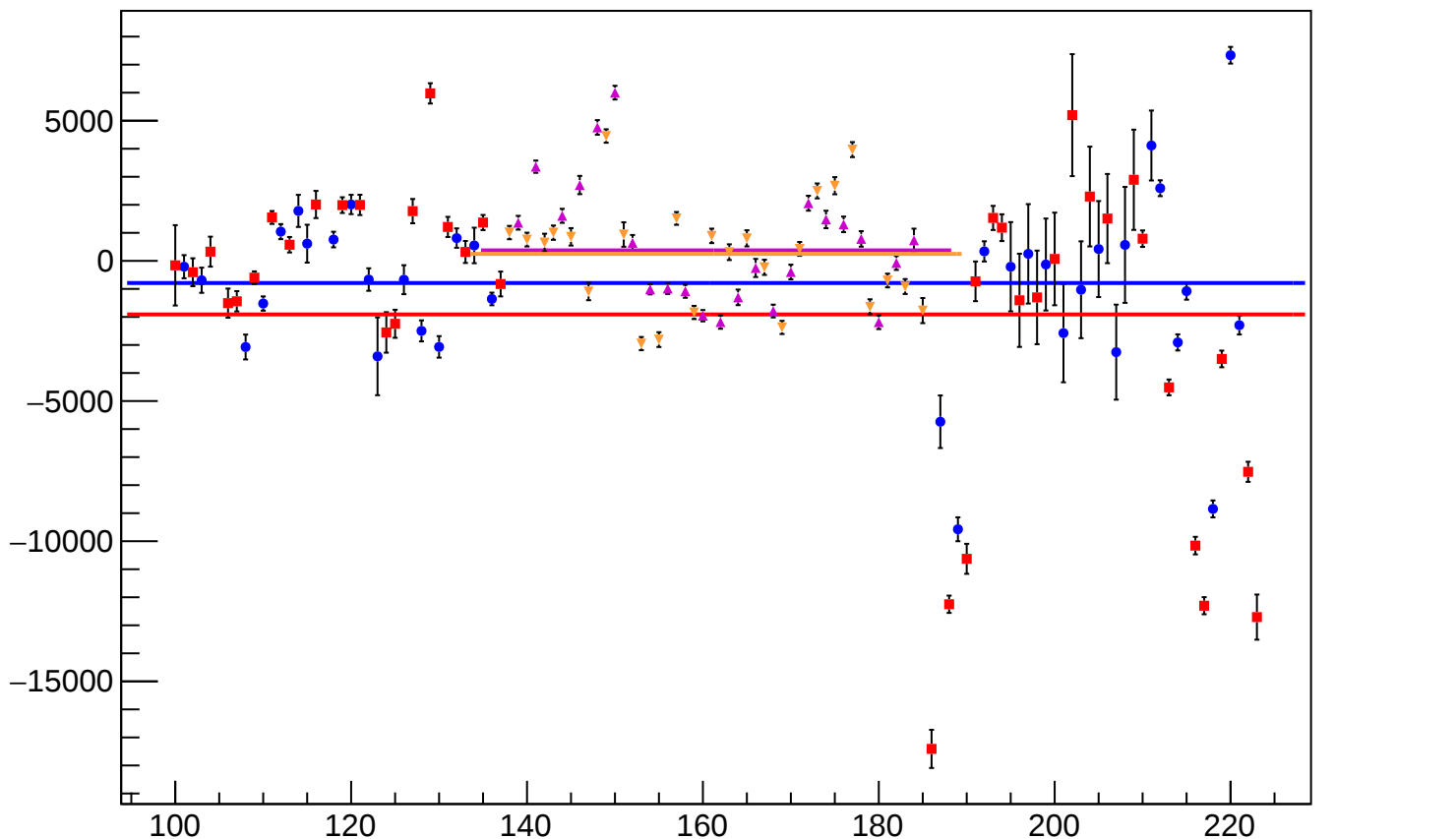
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 201.197 $\pm$ 0.024 χ^2 /NDF: 2446529.2/59

All: 196.604 $\pm$ 0.016 χ^2 /NDF: 6080599.2/123

- sign 192.274 $\pm$ 0.023 χ^2 /NDF: 3560197.1/61

asym_bpm0i07WS_mean vs Slug



Right In: -789.969 ± 68.820 χ^2/NDF : 2454.1/34

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -1911.171 ± 64.036 χ^2/NDF : 6081.0/38

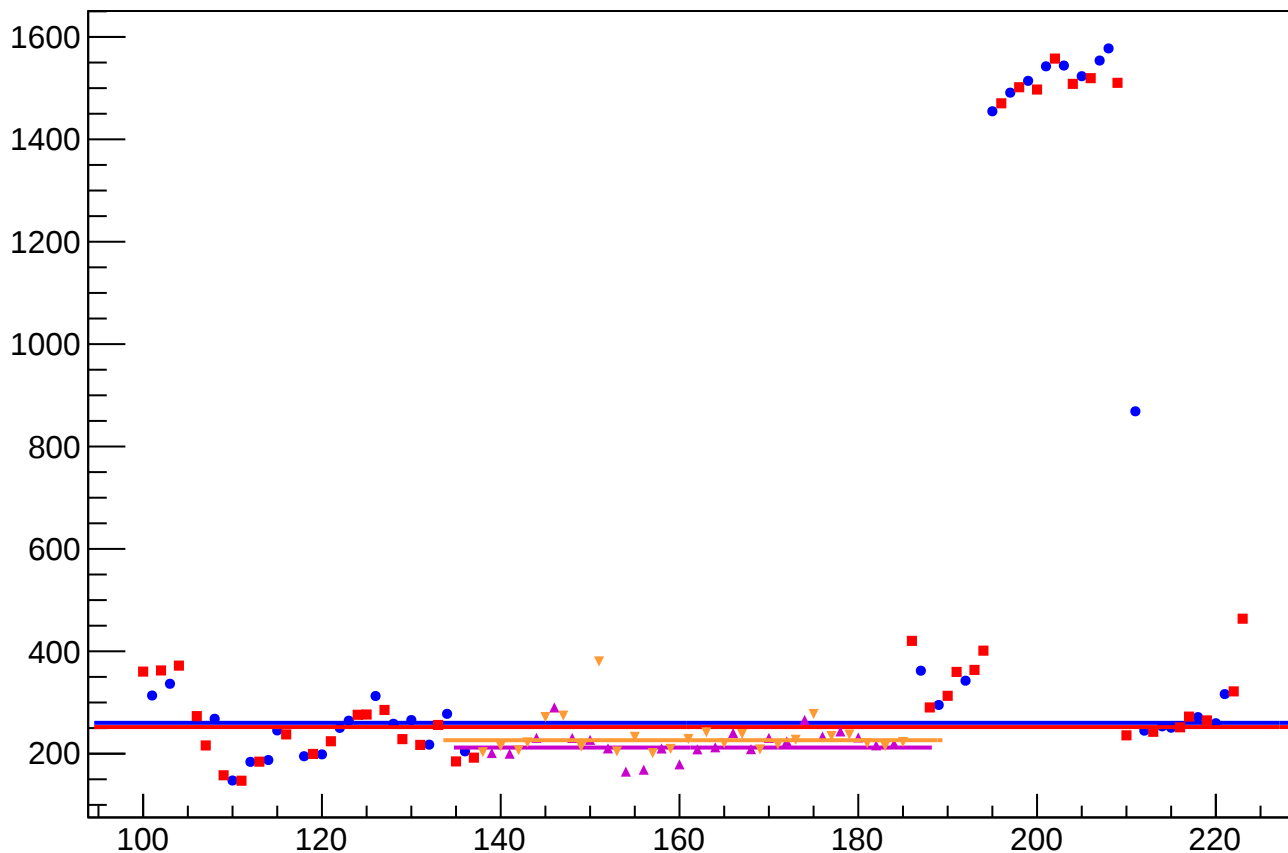
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -143.588 ± 42.265 χ^2/NDF : 3950.8/59

All: -348.185 ± 29.200 χ^2/NDF : 12644.6/121

- sign -535.028 ± 40.390 χ^2/NDF : 8649.0/61

asym_bpm0i07WS_rms vs Slug



Right In: 260.297 $\pm$ 0.049 χ^2 /NDF: 10211166.5/34

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 251.996 $\pm$ 0.045 χ^2 /NDF: 9515246.9/38

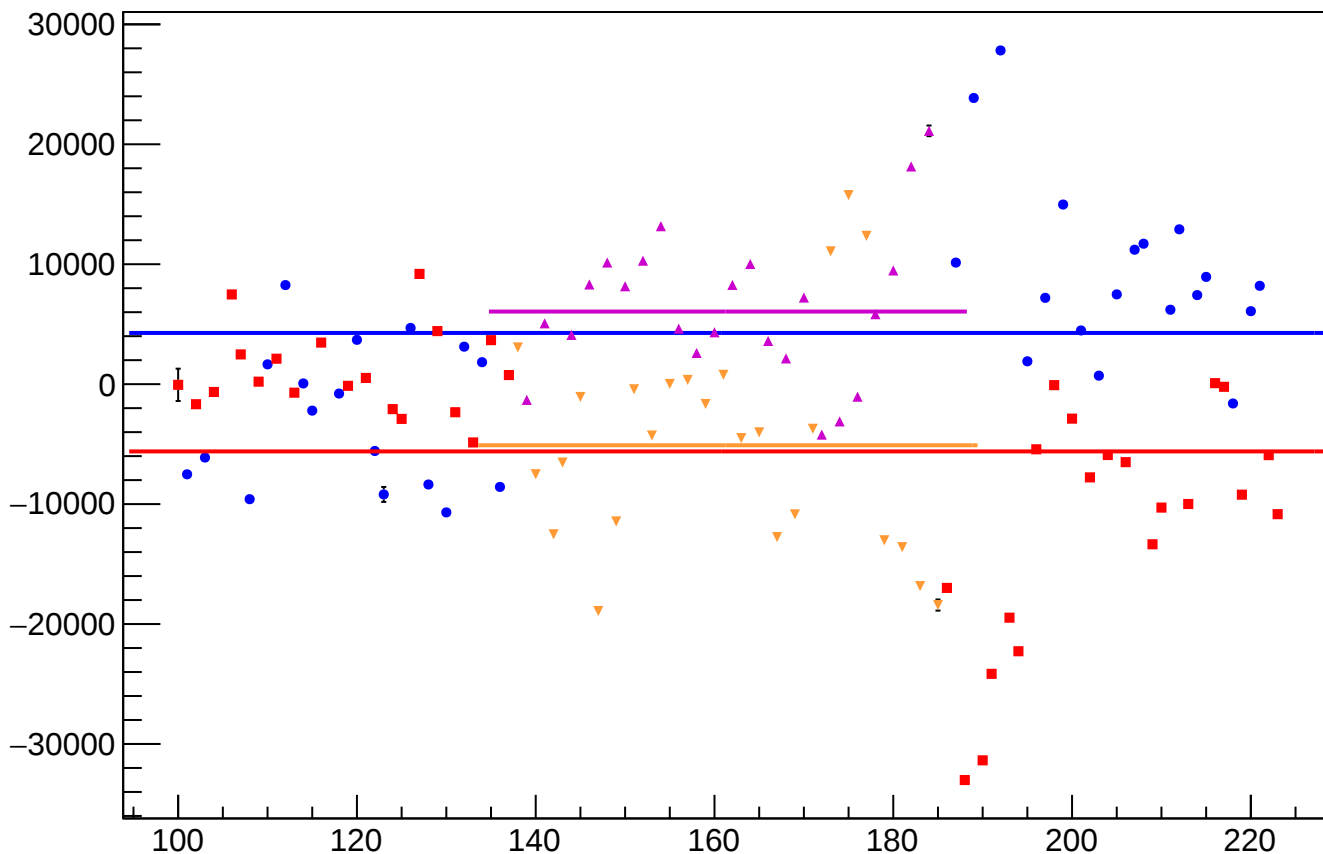
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 239.136 $\pm$ 0.030 χ^2 /NDF: 11035794.9/59

All: 233.260 $\pm$ 0.021 χ^2 /NDF: 21679873.1/12

- sign 227.894 $\pm$ 0.029 χ^2 /NDF: 10570113.8/61

asym_bpm1i02WS_mean vs Slug



Right In: 4270.727+/-32.521 χ^2/NDF : 81247.8/34

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5606.557+/-31.271 χ^2/NDF : 105593.2/38

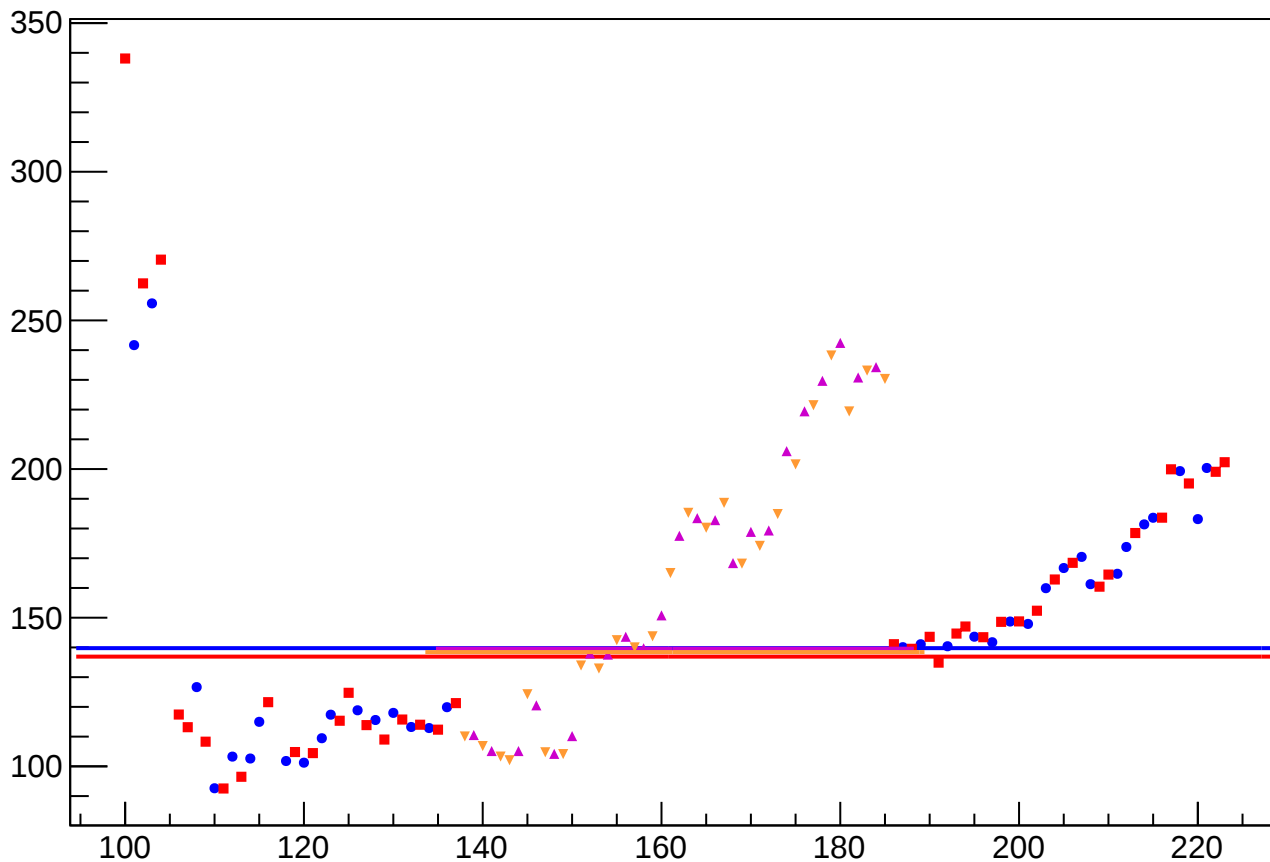
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -245.123+/-23.403 χ^2/NDF : 175634.4/59

All: -337.958+/-16.518 χ^2/NDF : 360571.1/12

- sign -430.129+/-23.319 χ^2/NDF : 184905.3/61

asym_bpm1i02WS_rms vs Slug



Right In: 139.759+/-0.023 χ^2/NDF : 2059540.7/34

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 136.908+/-0.022 χ^2/NDF : 2249721.8/38

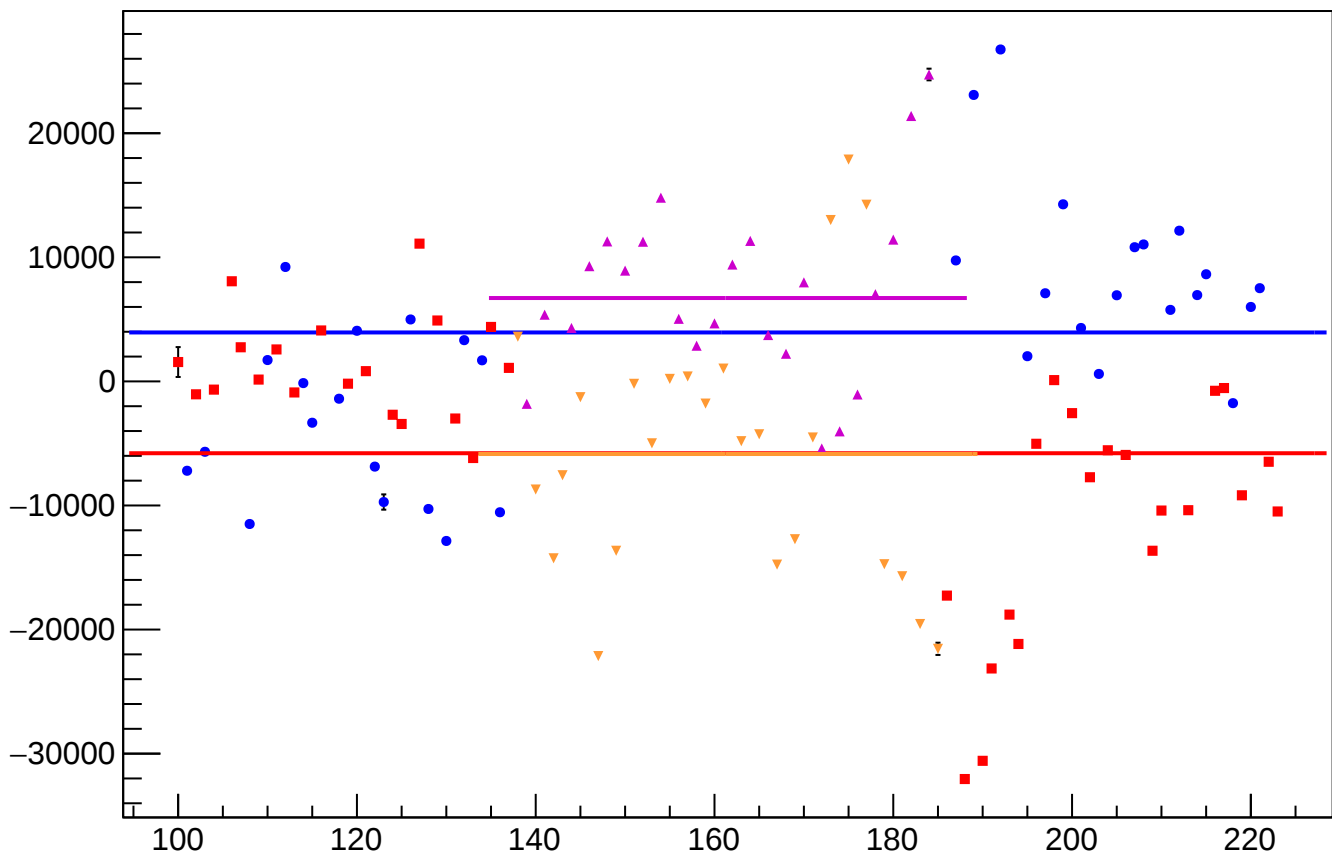
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 139.121+/-0.017 χ^2/NDF : 4610573.9/59

All: 138.605+/-0.012 χ^2/NDF : 9282358.5/123

- sign 138.093+/-0.016 χ^2/NDF : 4669849.7/61

asym_bpm2i01WS_mean vs Slug



Right In: 3943.926 ± 32.389 $\chi^2/\text{NDF}: 86371.1/34$

Left Out: -5852.544 ± 35.880 $\chi^2/\text{NDF}: 63411.4/24$

Right Out: -5789.283 ± 31.263 $\chi^2/\text{NDF}: 106256.5/38$

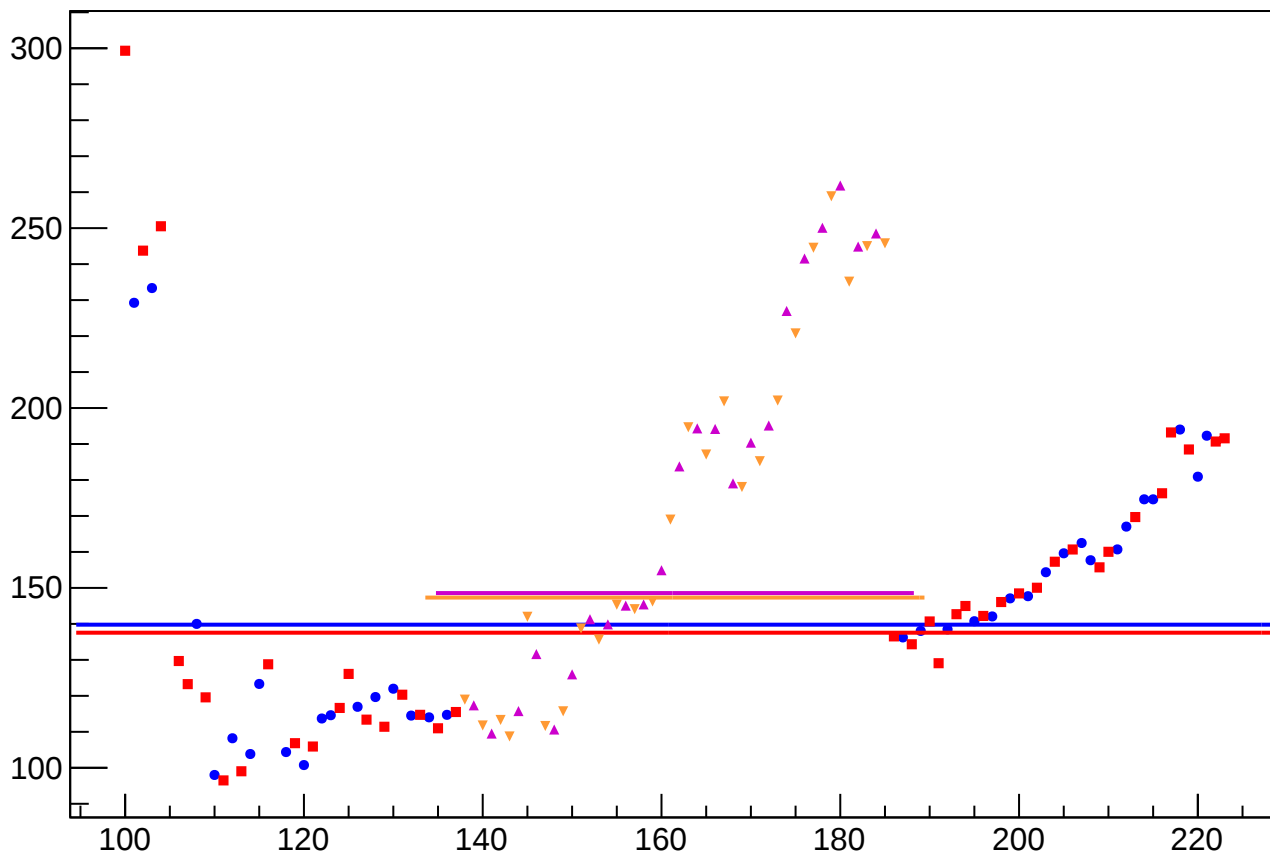
Left In: 6718.475 ± 37.276 $\chi^2/\text{NDF}: 20934.3/22$

+ sign -454.634 ± 24.042 $\chi^2/\text{NDF}: 190859.3/59$

All: -539.790 ± 16.969 $\chi^2/\text{NDF}: 384173.6/12$

- sign -624.321 ± 23.953 $\chi^2/\text{NDF}: 193289.3/61$

asym_bpm2i01WS_rms vs Slug



Right In: 139.782 $\pm$ 0.023 χ^2 /NDF: 1654490.0/34

Left Out: 147.317 $\pm$ 0.025 χ^2 /NDF: 2511679.9/24

Right Out: 137.551 $\pm$ 0.022 χ^2 /NDF: 1765299.5/38

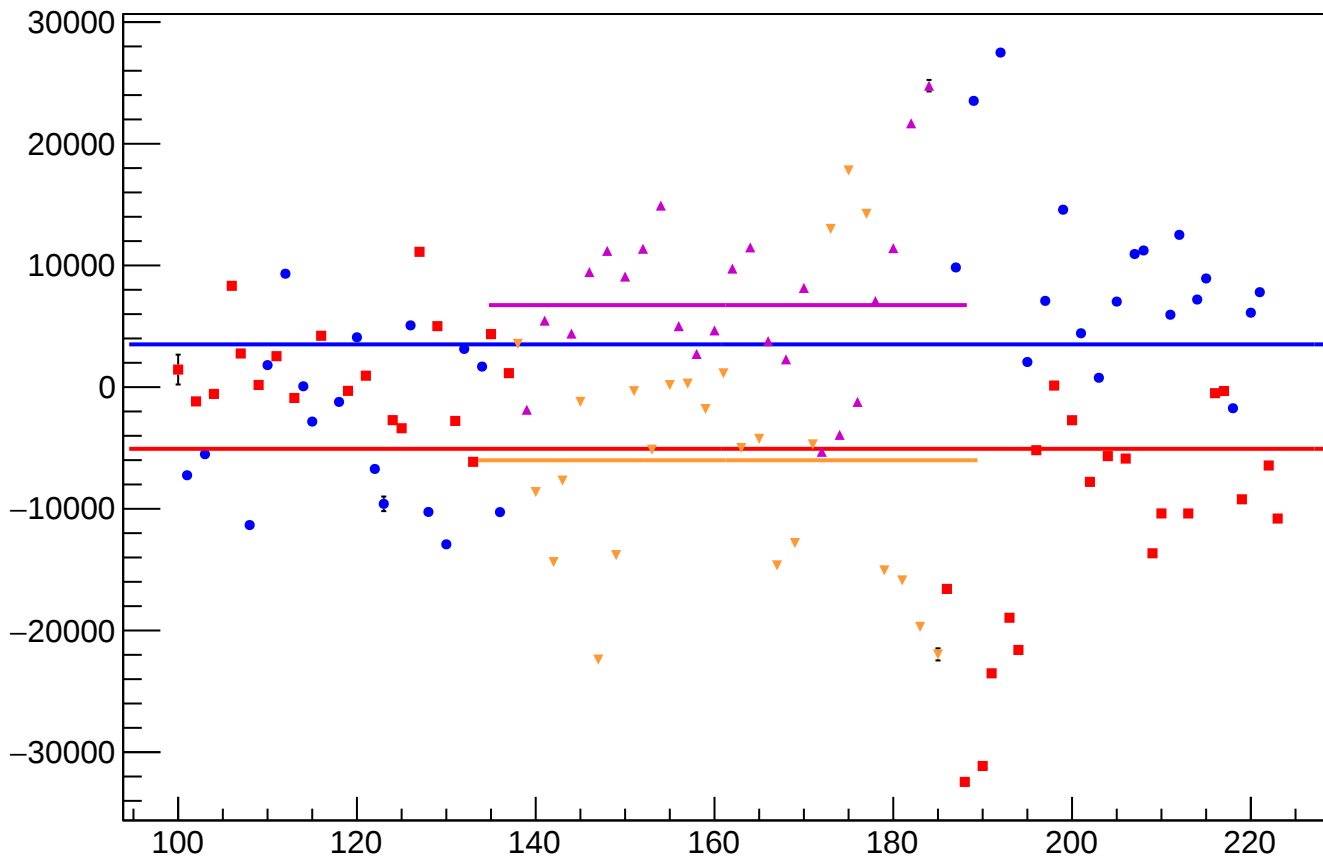
Left In: 148.569 $\pm$ 0.026 χ^2 /NDF: 2393185.0/22

+ sign 143.165 $\pm$ 0.017 χ^2 /NDF: 4214777.9/59

All: 142.631 $\pm$ 0.012 χ^2 /NDF: 8477808.4/123

- sign 142.100 $\pm$ 0.017 χ^2 /NDF: 4261062.2/61

asym_bpm2i02WS_mean vs Slug



Right In: 3513.756 ± 32.663 χ^2/NDF : 86125.8/34

Left Out: -6009.913 ± 35.082 χ^2/NDF : 67852.2/24

Right Out: -5068.939 ± 31.532 χ^2/NDF : 101120.8/38

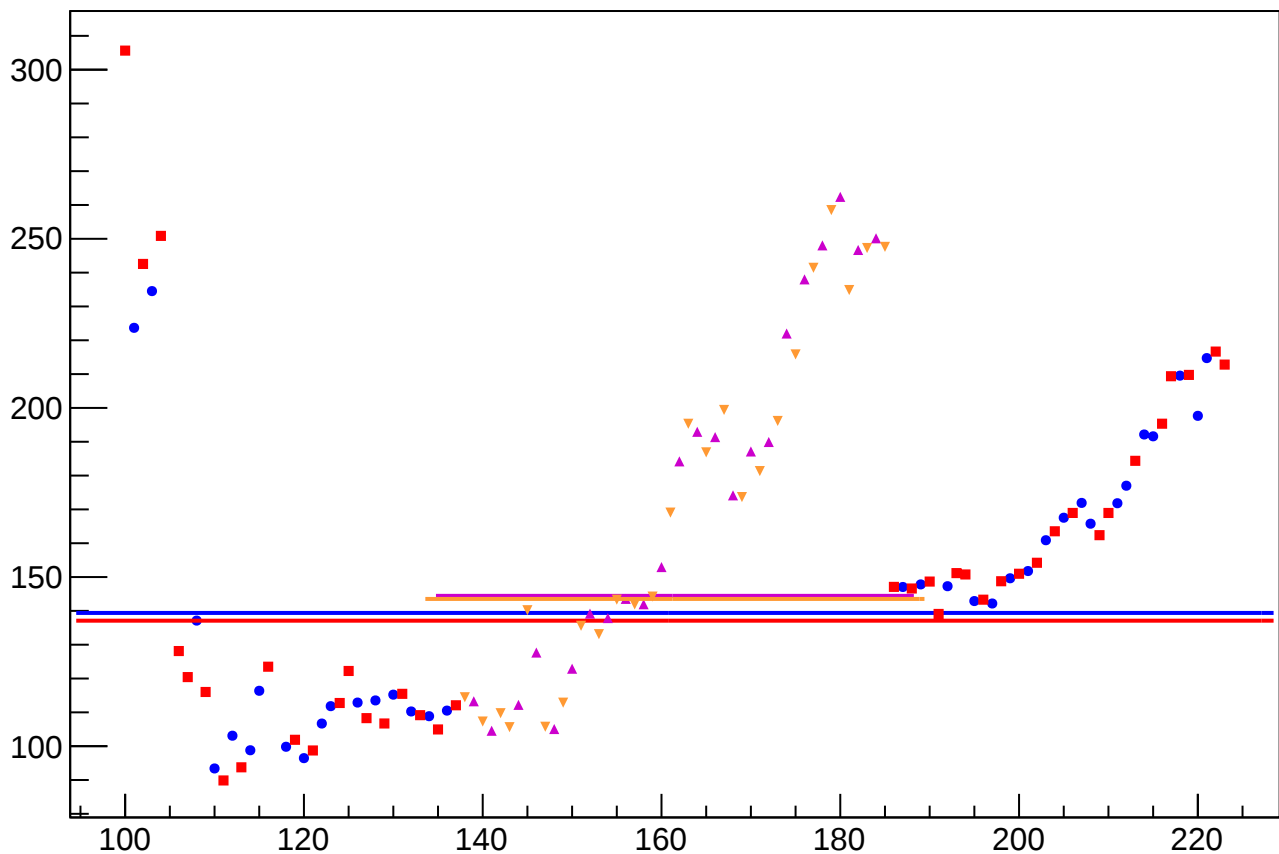
Left In: 6740.666 ± 36.379 χ^2/NDF : 22071.8/22

+ sign -908.462 ± 23.906 χ^2/NDF : 193453.0/59

All: -454.148 ± 16.876 χ^2/NDF : 377539.6/12

- sign -2.819 ± 23.827 χ^2/NDF : 183366.7/61

asym_bpm2i02WS_rms vs Slug



Right In: 139.393 $\pm$ 0.023 χ^2 /NDF: 2400161.7/34

Left Out: 143.531 $\pm$ 0.025 χ^2 /NDF: 2704790.3/24

Right Out: 137.102 $\pm$ 0.022 χ^2 /NDF: 2590511.1/38

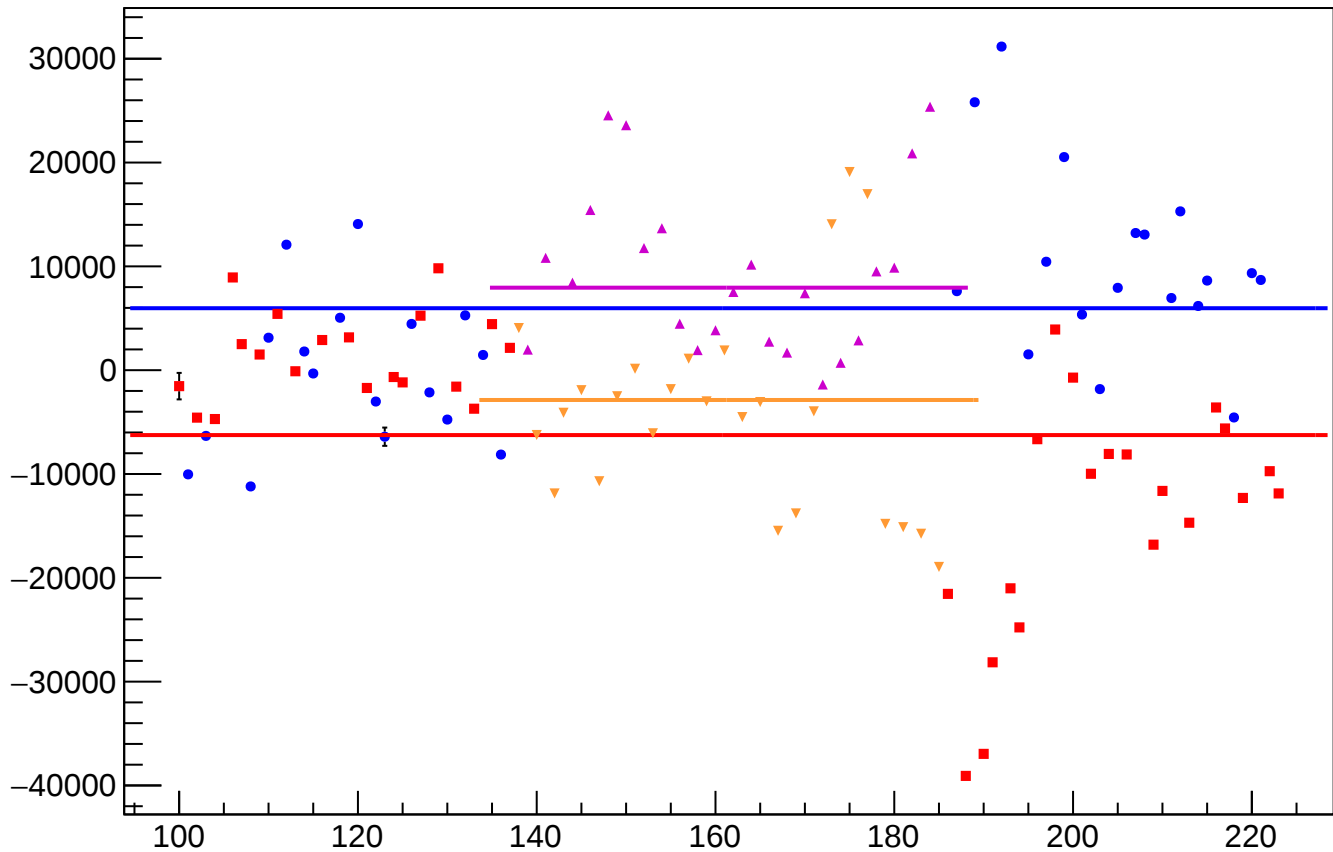
Left In: 144.440 $\pm$ 0.026 χ^2 /NDF: 2586926.1/22

+ sign 141.314 $\pm$ 0.017 χ^2 /NDF: 5119854.6/59

All: 140.780 $\pm$ 0.012 χ^2 /NDF: 10345735.0/12

- sign 140.250 $\pm$ 0.017 χ^2 /NDF: 5223891.8/61

asym_bpm0i01WS_mean vs Slug



Right In: 5969.369 ± 39.161 $\chi^2/\text{NDF}: 65427.3/34$

Left Out: -2870.473 ± 39.482 $\chi^2/\text{NDF}: 46420.3/24$

+ sign 1585.540 ± 27.804 $\chi^2/\text{NDF}: 137116.7/59$

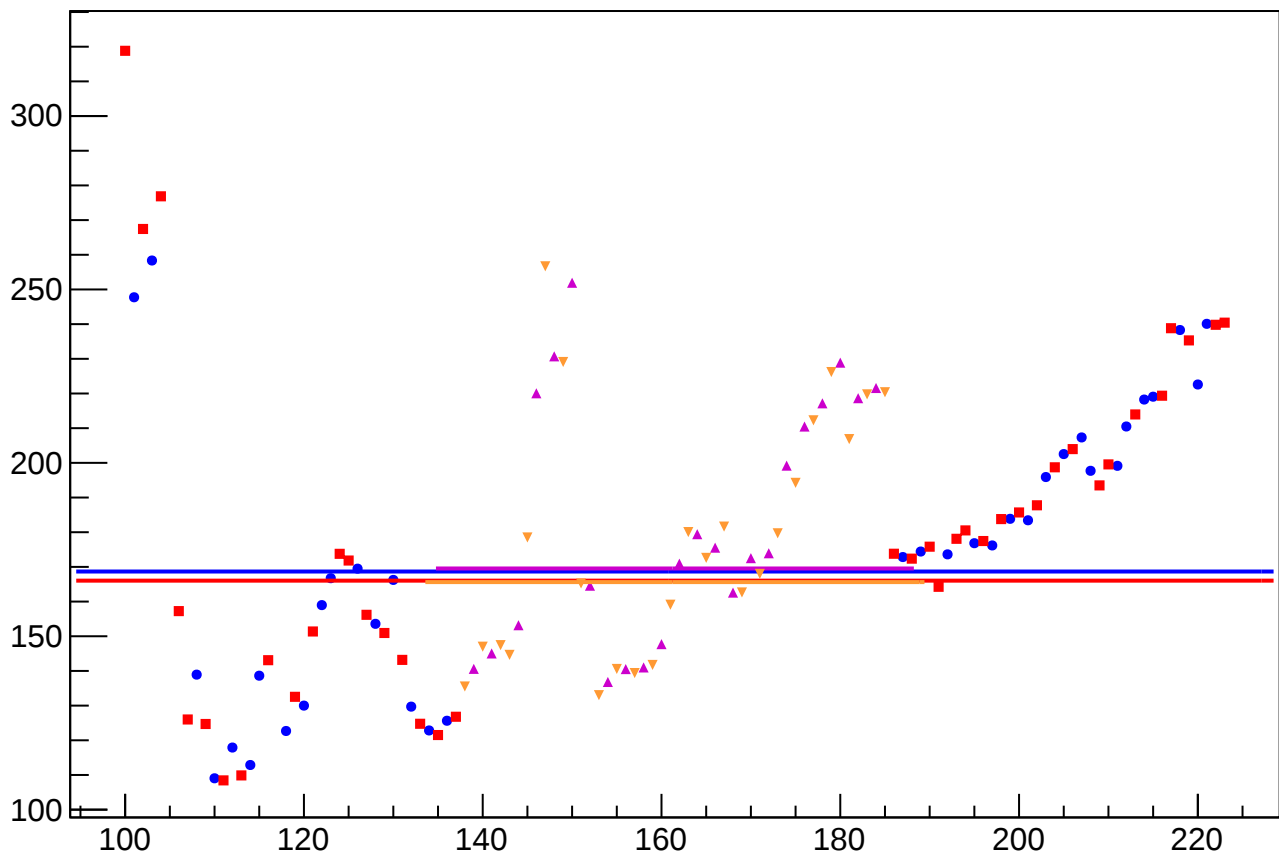
Right Out: -6251.033 ± 37.848 $\chi^2/\text{NDF}: 100865.5/38$

All: 877.567 ± 19.741 $\chi^2/\text{NDF}: 326686.3/121$

- sign 157.849 ± 28.034 $\chi^2/\text{NDF}: 188262.1/61$

Left In: 7947.160 ± 41.726 $\chi^2/\text{NDF}: 23874.5/22$

asym_bpm0i01WS_rms vs Slug



Right In: 168.668 $\pm$ 0.028 χ^2 /NDF: 2069610.4/34

Left Out: 165.616 $\pm$ 0.028 χ^2 /NDF:1144779.3/24

Right Out: 166.035 $\pm$ 0.027 χ^2 /NDF: 2235234.2/38

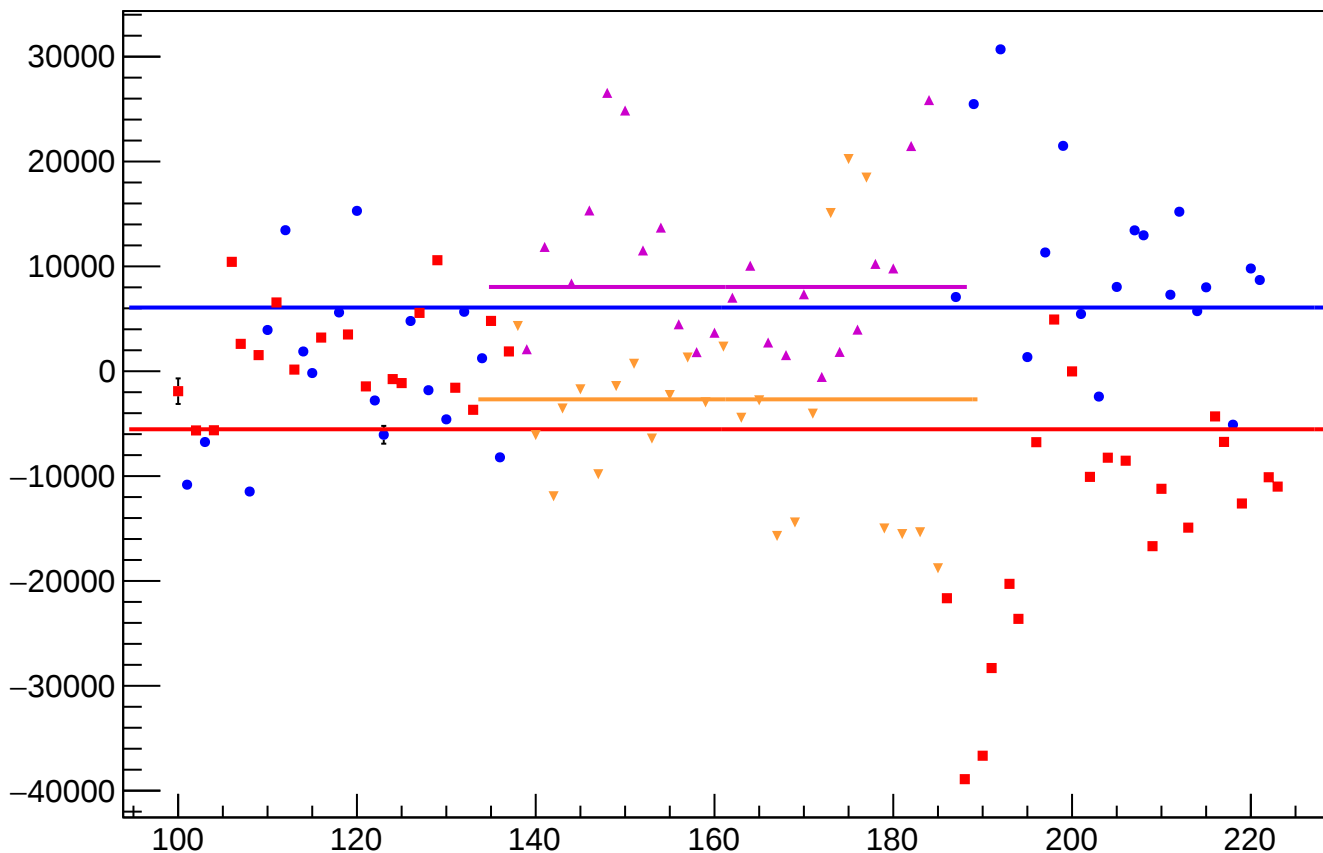
Left In: 169.542 $\pm$ 0.030 χ^2 /NDF:1159241.9/22

+ sign 167.154 $\pm$ 0.020 χ^2 /NDF: 3220411.4/59

All: 167.384 $\pm$ 0.014 χ^2 /NDF: 6622911.8/123

- sign 167.618 $\pm$ 0.020 χ^2 /NDF: 3402224.9/61

asym_bpm0i01aWS_mean vs Slug



Right In: 6076.006+/-33.327 χ^2/NDF : 91558.3/34

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -5534.889+/-31.993 χ^2/NDF : 141327.7/38

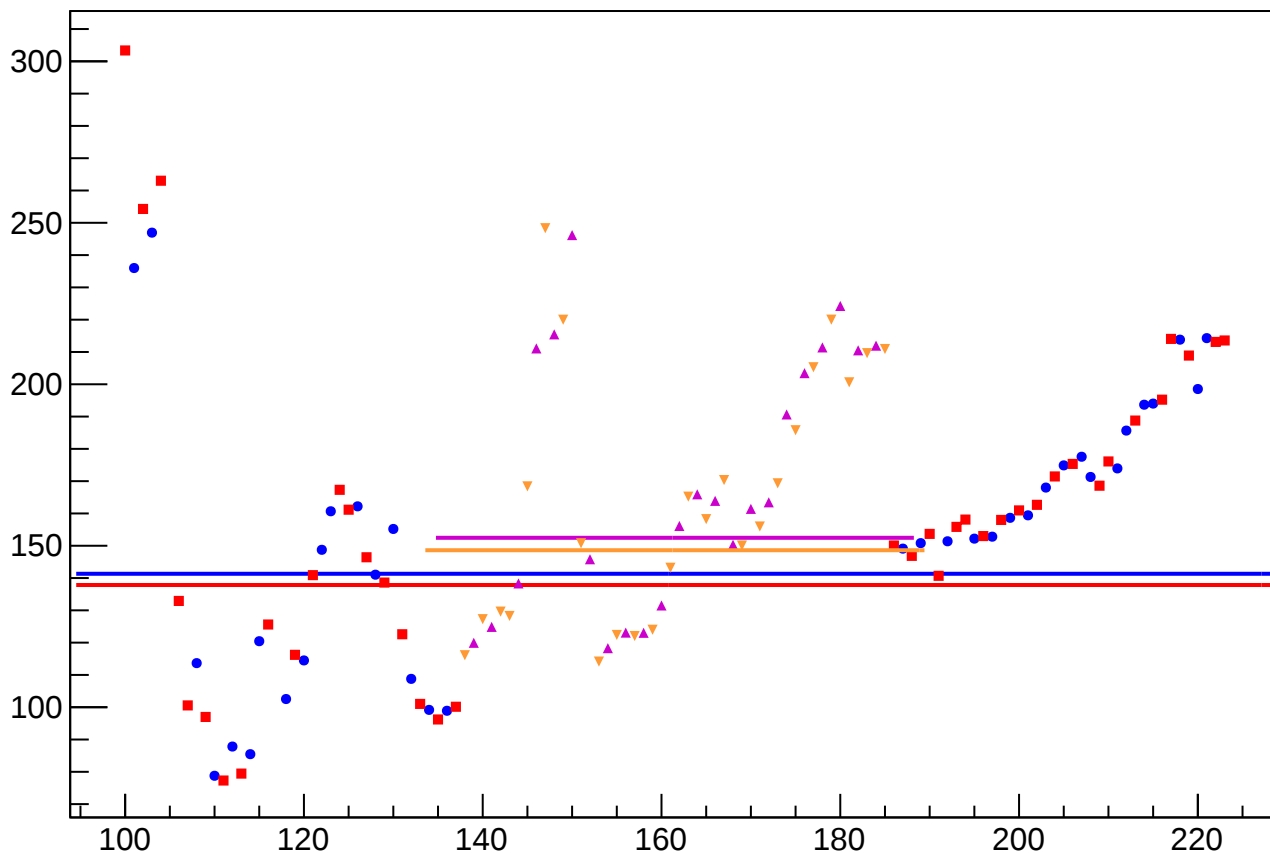
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 2006.443+/-24.382 χ^2/NDF : 180461.3/59

All: 1059.907+/-17.266 χ^2/NDF : 428894.0/12

- sign 107.768+/-24.454 χ^2/NDF : 245409.6/61

asym_bpm0i01aWS_rms vs Slug



Right In: 141.323+/-0.024 χ^2/NDF : 3051233.9/34

Left Out: 148.611+/-0.025 χ^2/NDF :1685424.1/24

Right Out: 137.844+/-0.023 χ^2/NDF : 3397211.4/38

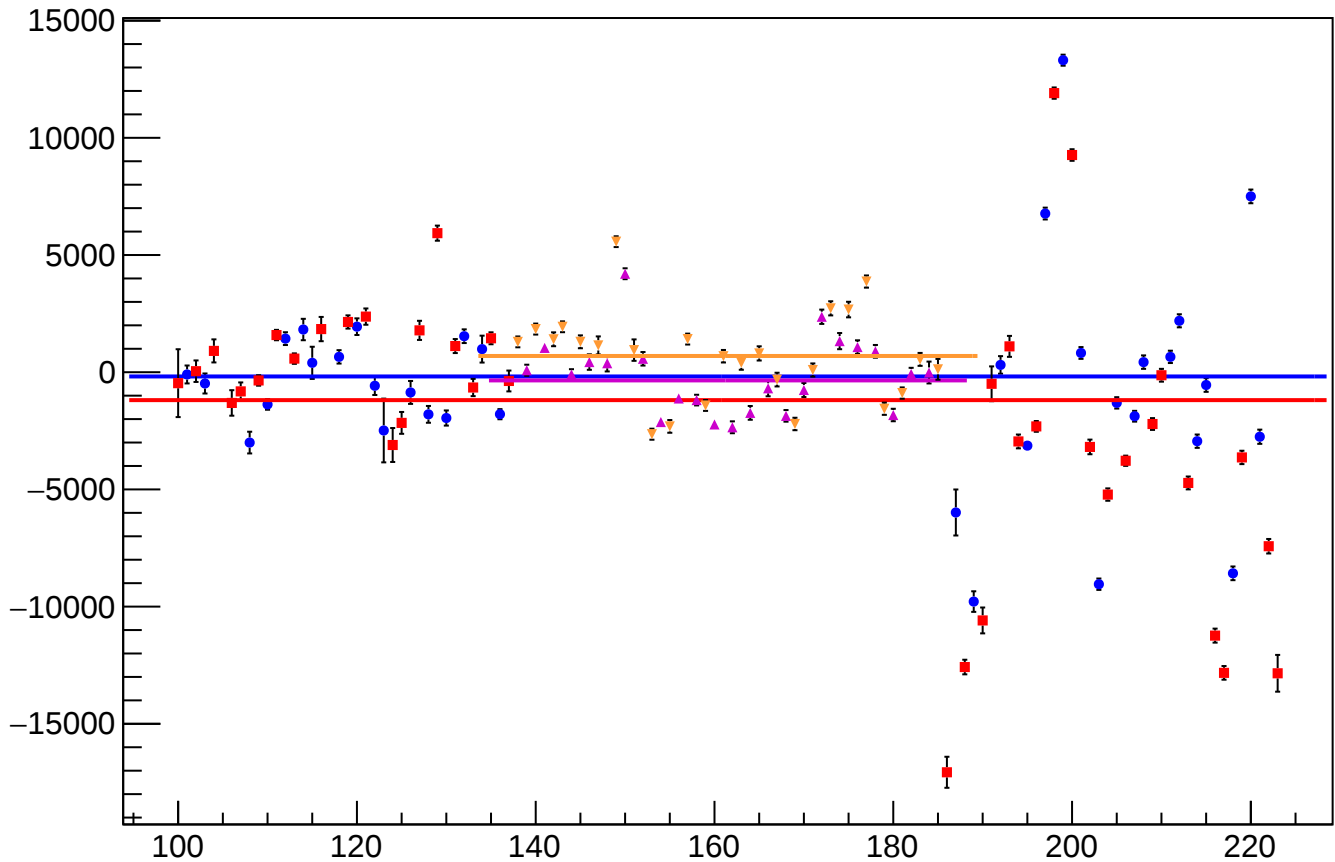
Left In: 152.463+/-0.027 χ^2/NDF :1691517.7/22

+ sign 144.710+/-0.017 χ^2/NDF : 4781110.3/59

All: 144.317+/-0.012 χ^2/NDF : 10044505.6/12

- sign 143.923+/-0.017 χ^2/NDF : 5262355.1/61

asym_bpm0l01WS_mean vs Slug



Right In: -180.907 ± 51.486 $\chi^2/\text{NDF}: 8259.3/34$

Left Out: 692.998 ± 54.303 $\chi^2/\text{NDF}: 1422.0/24$

Right Out: -1190.956 ± 50.785 $\chi^2/\text{NDF}: 12318.9/38$

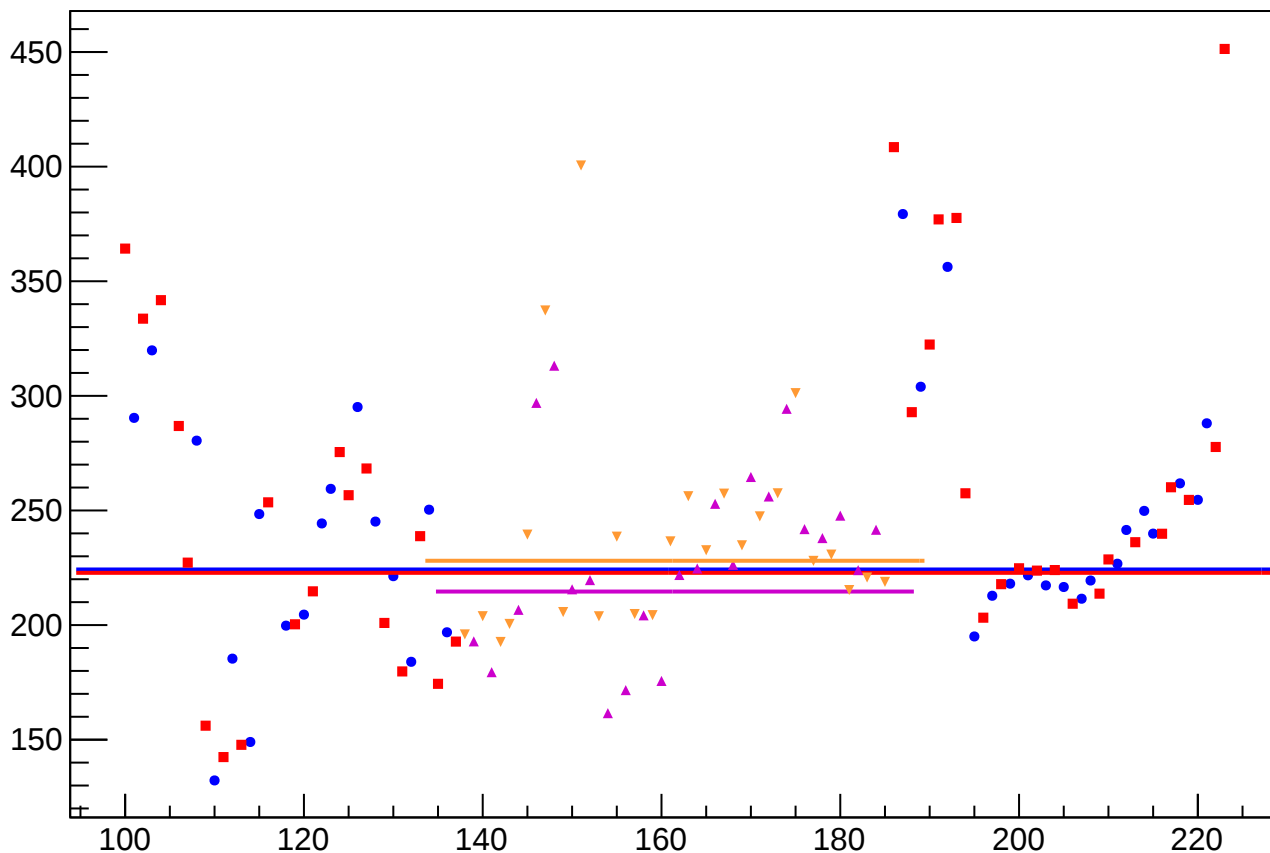
Left In: -349.623 ± 53.094 $\chi^2/\text{NDF}: 981.0/22$

+ sign 232.789 ± 37.362 $\chi^2/\text{NDF}: 9817.7/59$

All: -287.237 ± 26.182 $\chi^2/\text{NDF}: 23629.3/121$

- sign -788.977 ± 36.700 $\chi^2/\text{NDF}: 13430.9/61$

asym_bpm0l01WS_rms vs Slug



Right In: 224.253 $\pm$ 0.036 χ^2 /NDF: 1358661.2/34

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF: 826343.8/24

Right Out: 222.797 $\pm$ 0.036 χ^2 /NDF: 2156539.9/38

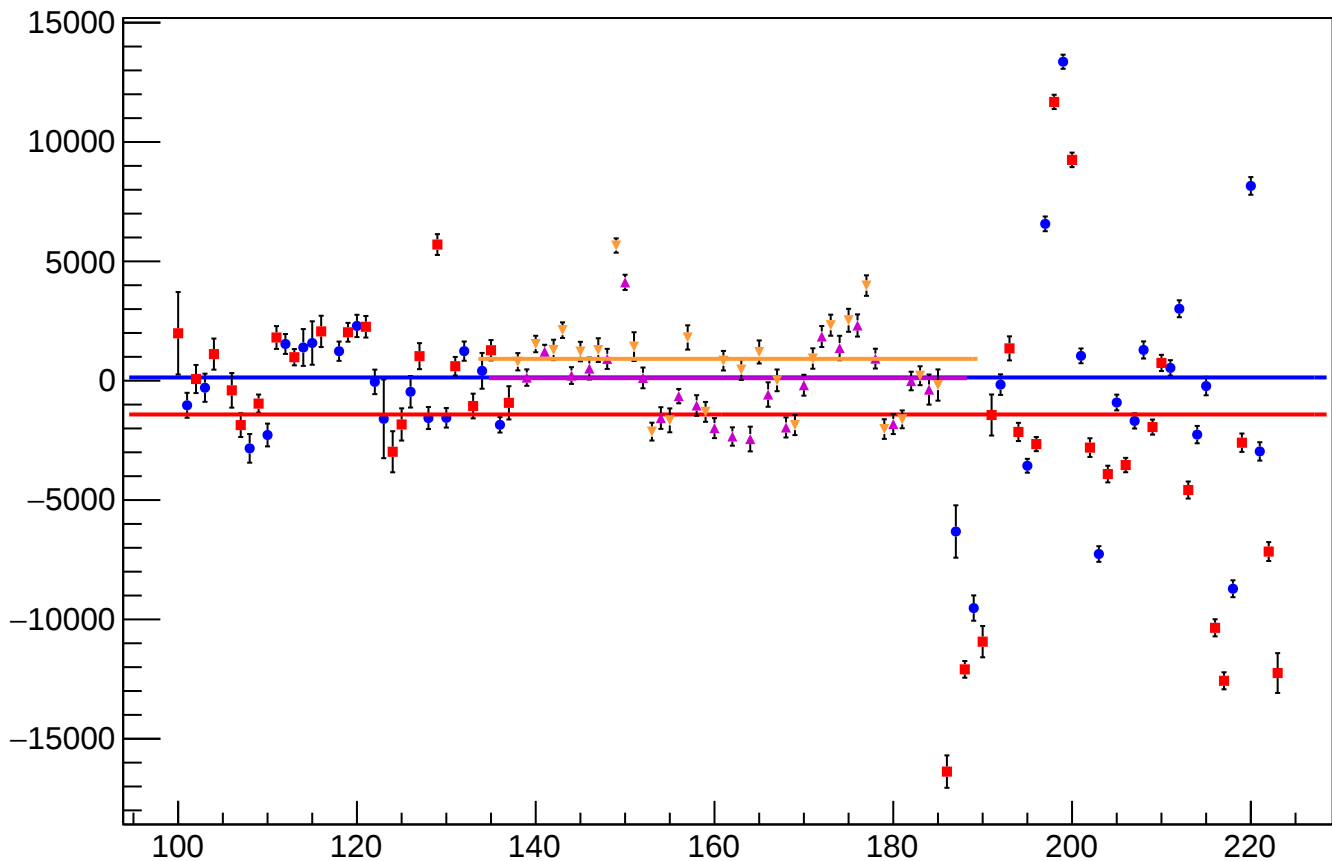
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF: 1025683.3/22

+ sign 226.056 $\pm$ 0.026 χ^2 /NDF: 2190183.8/59

All: 222.410 $\pm$ 0.019 χ^2 /NDF: 5434540.7/123

- sign 218.893 $\pm$ 0.026 χ^2 /NDF: 3206952.2/61

asym_bpm0l02WS_mean vs Slug



Right In: 136.493 ± 68.771 $\chi^2/\text{NDF}: 4978.2/34$

Left Out: 915.968 ± 83.398 $\chi^2/\text{NDF}: 618.3/24$

Right Out: -1414.301 ± 68.101 $\chi^2/\text{NDF}: 7687.3/38$

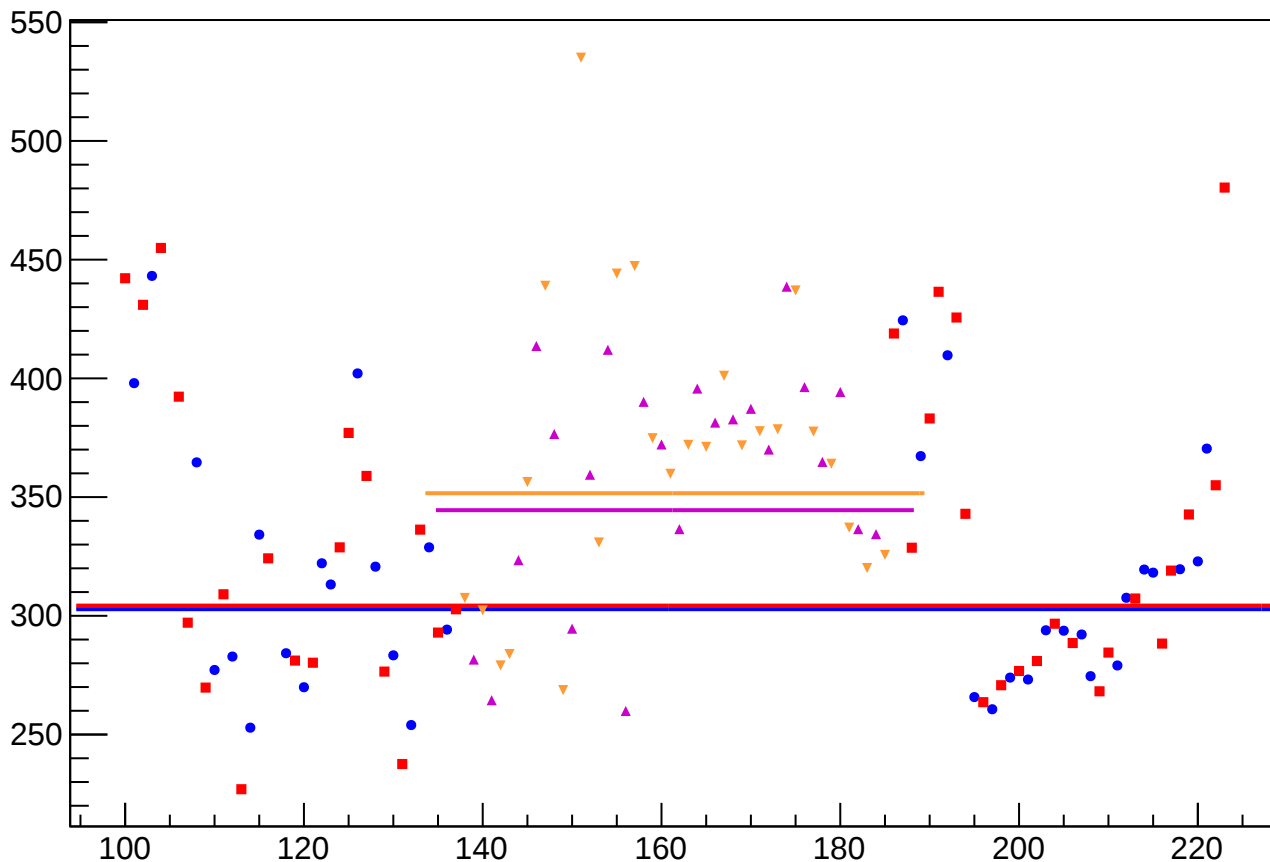
Left In: 106.116 ± 84.393 $\chi^2/\text{NDF}: 390.3/22$

+ sign 451.988 ± 53.058 $\chi^2/\text{NDF}: 5648.5/59$

All: -182.077 ± 37.496 $\chi^2/\text{NDF}: 14208.0/121$

- sign -814.697 ± 52.998 $\chi^2/\text{NDF}: 8274.1/61$

asym_bpm0l02WS_rms vs Slug



Right In: 302.789 $\pm$ 0.049 χ^2 /NDF: 717043.0/34

Left Out: 351.633 $\pm$ 0.059 χ^2 /NDF: 907849.3/24

Right Out: 304.300 $\pm$ 0.048 χ^2 /NDF: 1050936.0/38

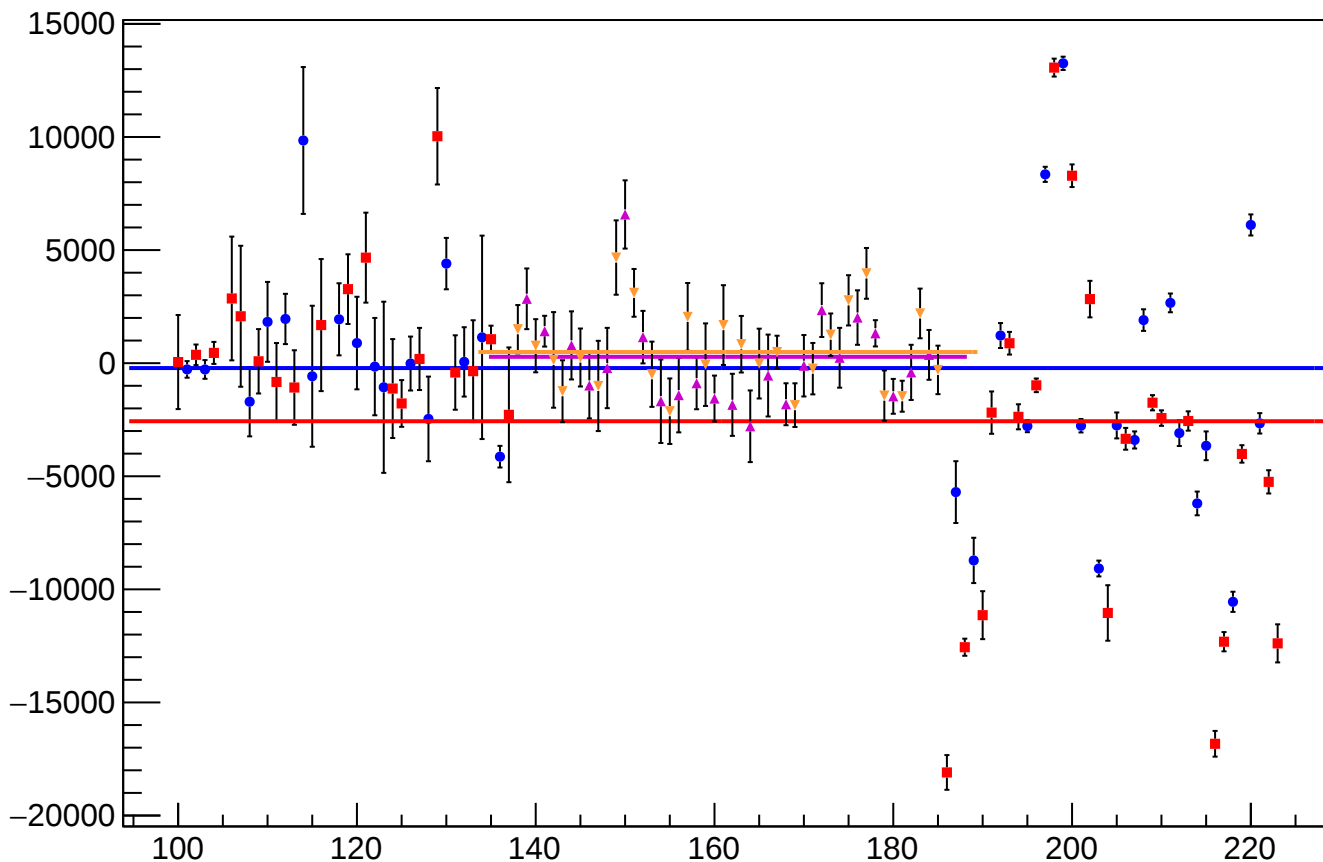
Left In: 344.491 $\pm$ 0.060 χ^2 /NDF: 768885.4/22

+ sign 322.559 $\pm$ 0.038 χ^2 /NDF: 2033248.5/59

All: 321.353 $\pm$ 0.027 χ^2 /NDF: 4129842.7/123

- sign 320.150 $\pm$ 0.037 χ^2 /NDF: 2094531.3/61

asym_bpm0l03WS_mean vs Slug



Right In: -216.378 ± 89.379 χ^2/NDF : 4851.7/34

Left Out: 495.014 ± 231.058 χ^2/NDF : 56.2/24

Right Out: -2567.377 ± 97.121 χ^2/NDF : 4905.3/38

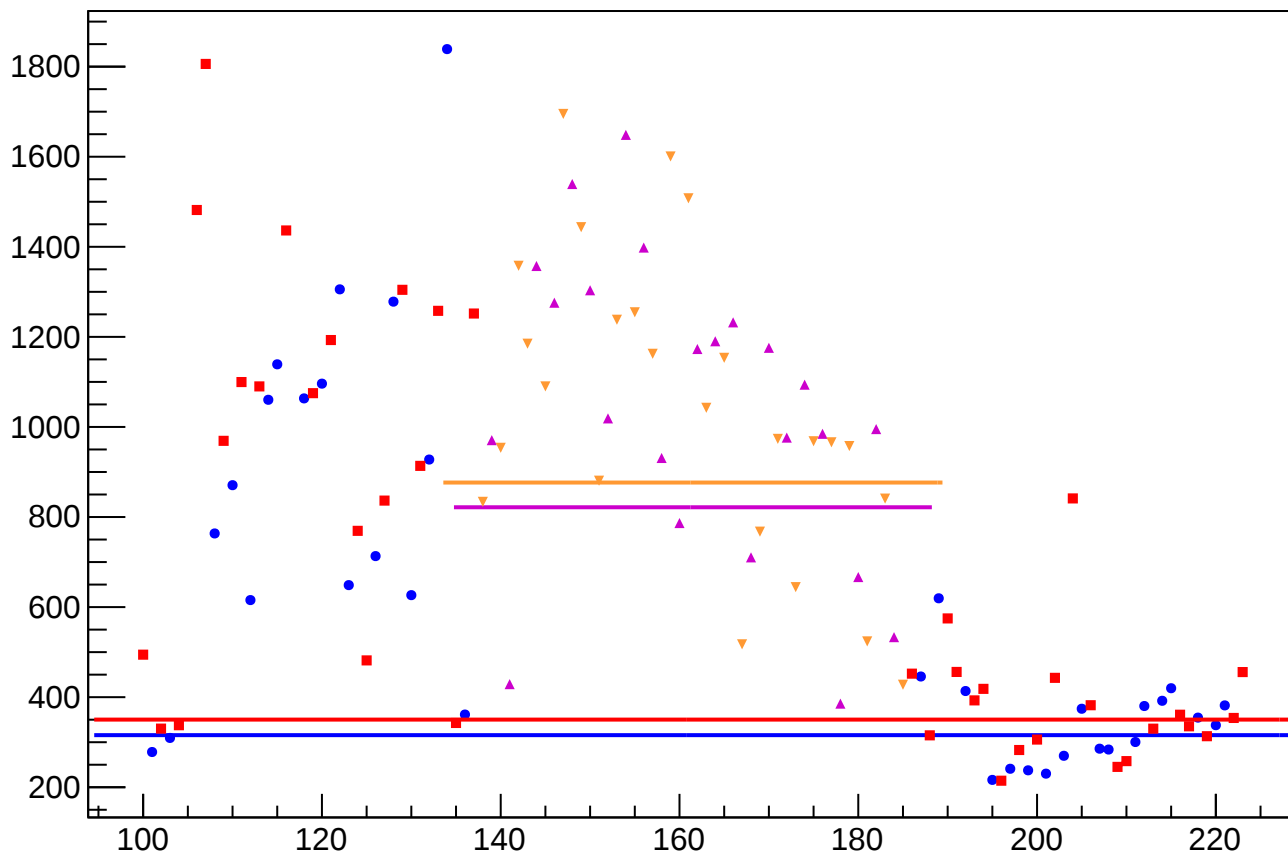
Left In: 280.692 ± 232.048 χ^2/NDF : 57.2/22

+ sign -123.785 ± 83.360 χ^2/NDF : 4916.2/59

All: -1060.660 ± 61.028 χ^2/NDF : 10279.1/12

- sign -2142.833 ± 89.591 χ^2/NDF : 5090.6/61

asym_bpm0l03WS_rms vs Slug



Right In: 315.680 ± 0.063 χ^2/NDF : 4626726.1/34

Left Out: 876.560 ± 0.163 χ^2/NDF : 3434698.7/24

Right Out: 350.217 ± 0.069 χ^2/NDF : 5976193.4/38

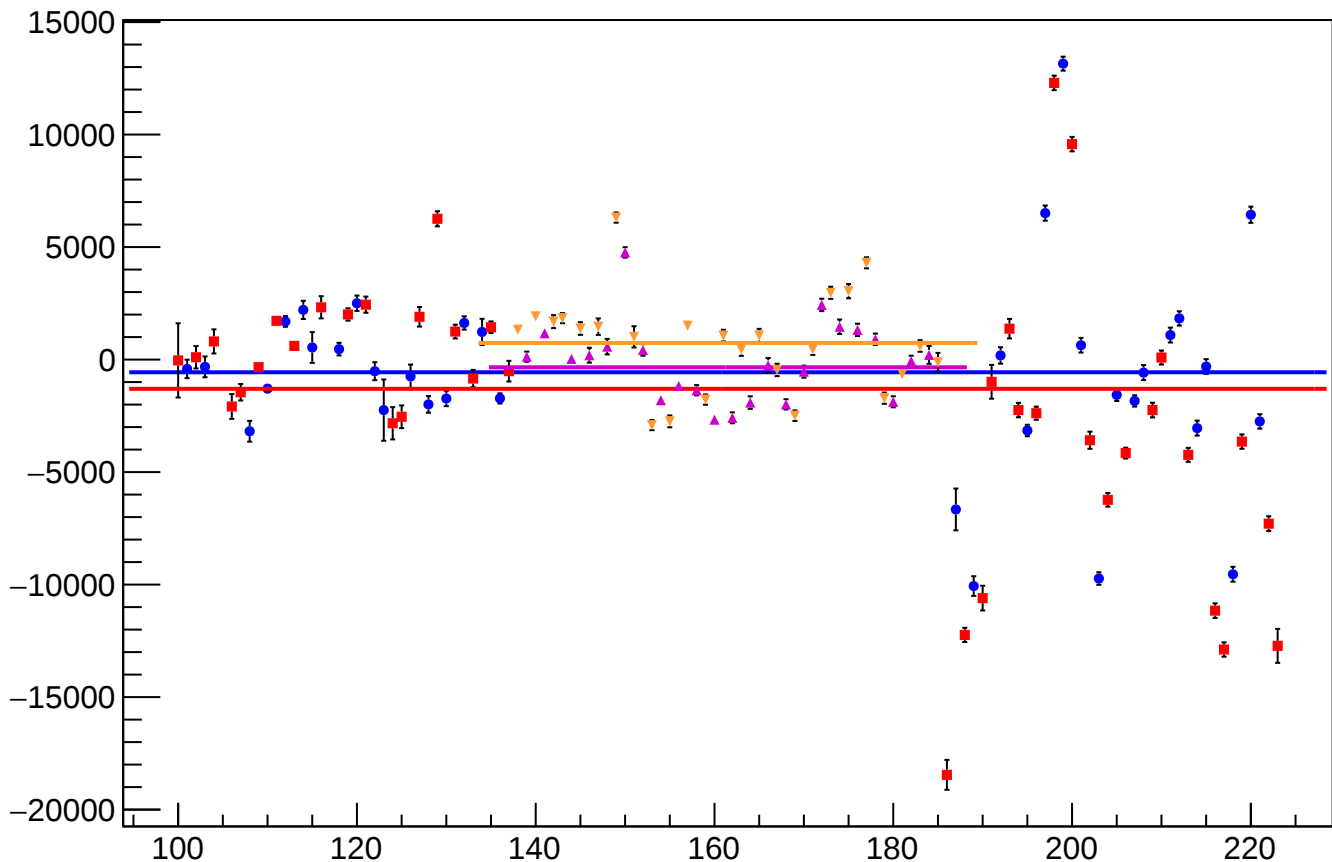
Left In: 821.657 ± 0.164 χ^2/NDF : 4443094.2/22

+ sign 388.683 ± 0.059 χ^2/NDF : 18312470.9/59

All: 403.443 ± 0.043 χ^2/NDF : 35891575.4/12

- sign 420.491 ± 0.063 χ^2/NDF : 17443975.7/61

asym_bpm0l04WS_mean vs Slug



Right In: -563.915 ± 55.915 $\chi^2/\text{NDF}: 5846.9/34$

Left Out: 738.847 ± 51.649 $\chi^2/\text{NDF}: 1935.2/24$

Right Out: -1299.061 ± 53.779 $\chi^2/\text{NDF}: 9995.1/38$

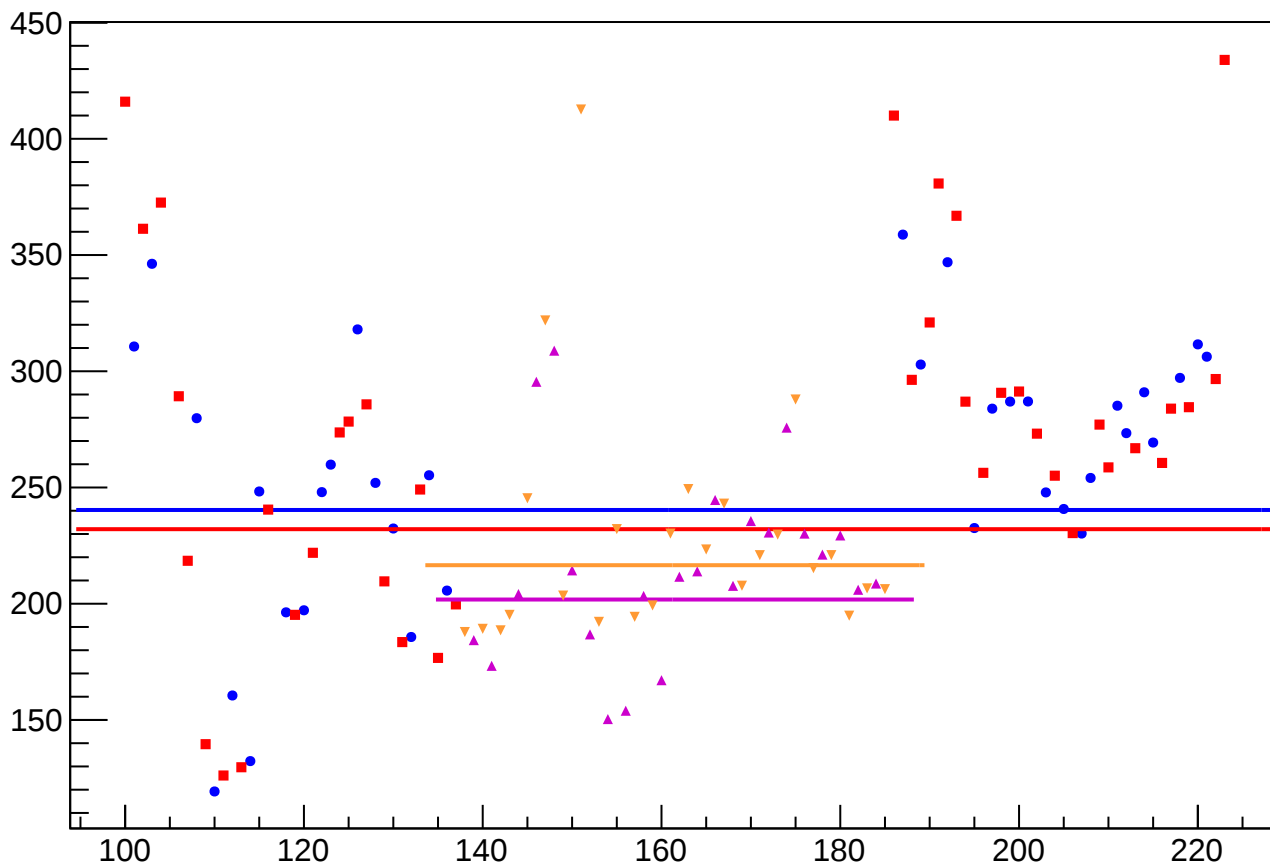
Left In: -342.465 ± 50.044 $\chi^2/\text{NDF}: 1254.9/22$

+ sign 139.054 ± 37.940 $\chi^2/\text{NDF}: 8075.0/59$

All: -339.854 ± 26.354 $\chi^2/\text{NDF}: 19802.5/121$

- sign -786.401 ± 36.636 $\chi^2/\text{NDF}: 11419.6/61$

asym_bpm0l04WS_rms vs Slug



Right In: 240.329+/-0.040 χ^2/NDF : 2208592.1/34

Left Out: 216.574+/-0.037 χ^2/NDF : 886214.1/24

Right Out: 232.067+/-0.038 χ^2/NDF : 3334001.4/38

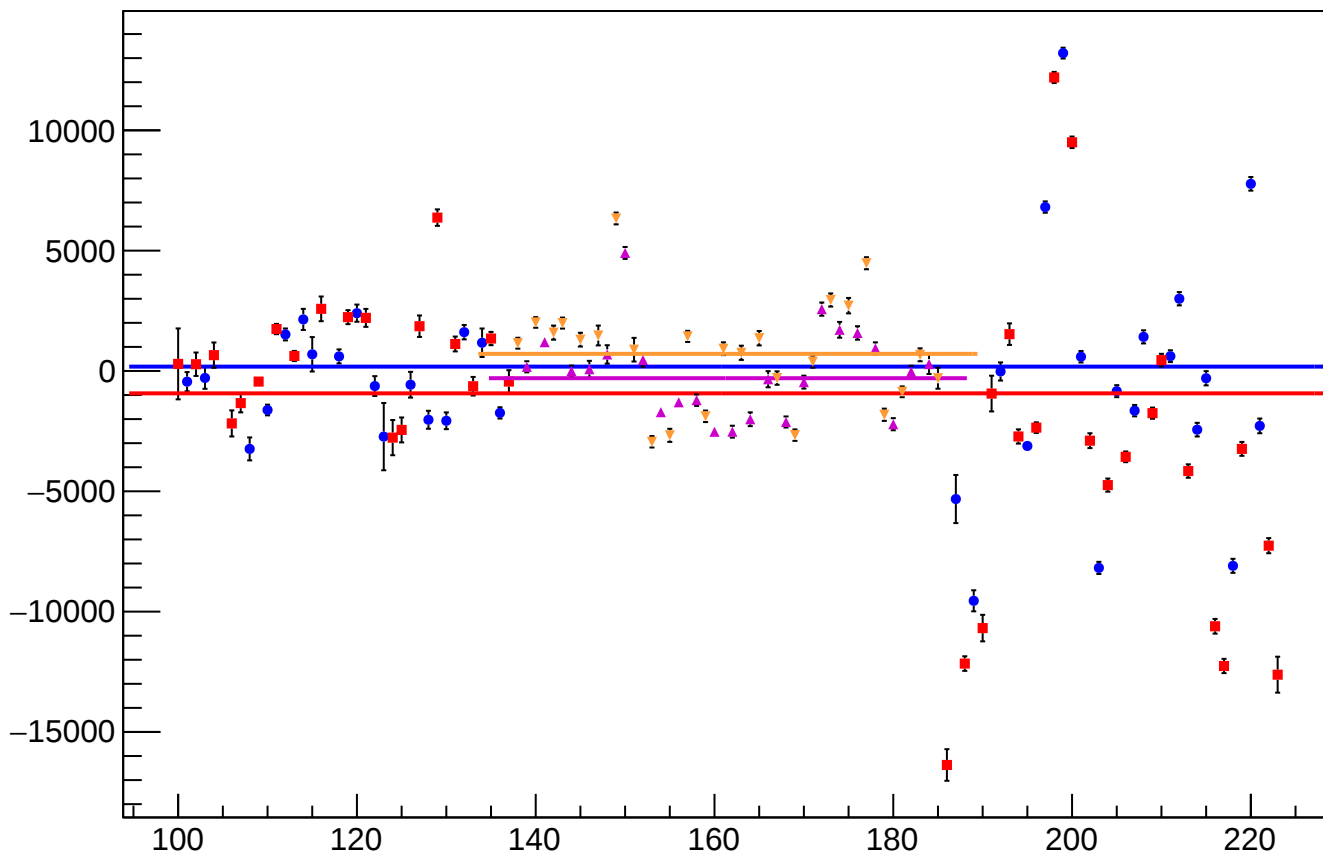
Left In: 201.805+/-0.035 χ^2/NDF : 1087243.4/22

+ sign 227.511+/-0.027 χ^2/NDF : 3289592.5/59

All: 221.476+/-0.019 χ^2/NDF : 8148012.1/123

- sign 215.849+/-0.026 χ^2/NDF : 4760637.2/61

asym_bpm0l05WS_mean vs Slug



Right In: 181.169 ± 51.362 $\chi^2/\text{NDF}: 8276.7/34$

Left Out: 711.174 ± 53.245 $\chi^2/\text{NDF}: 1835.3/24$

Right Out: -930.236 ± 50.653 $\chi^2/\text{NDF}: 12284.6/38$

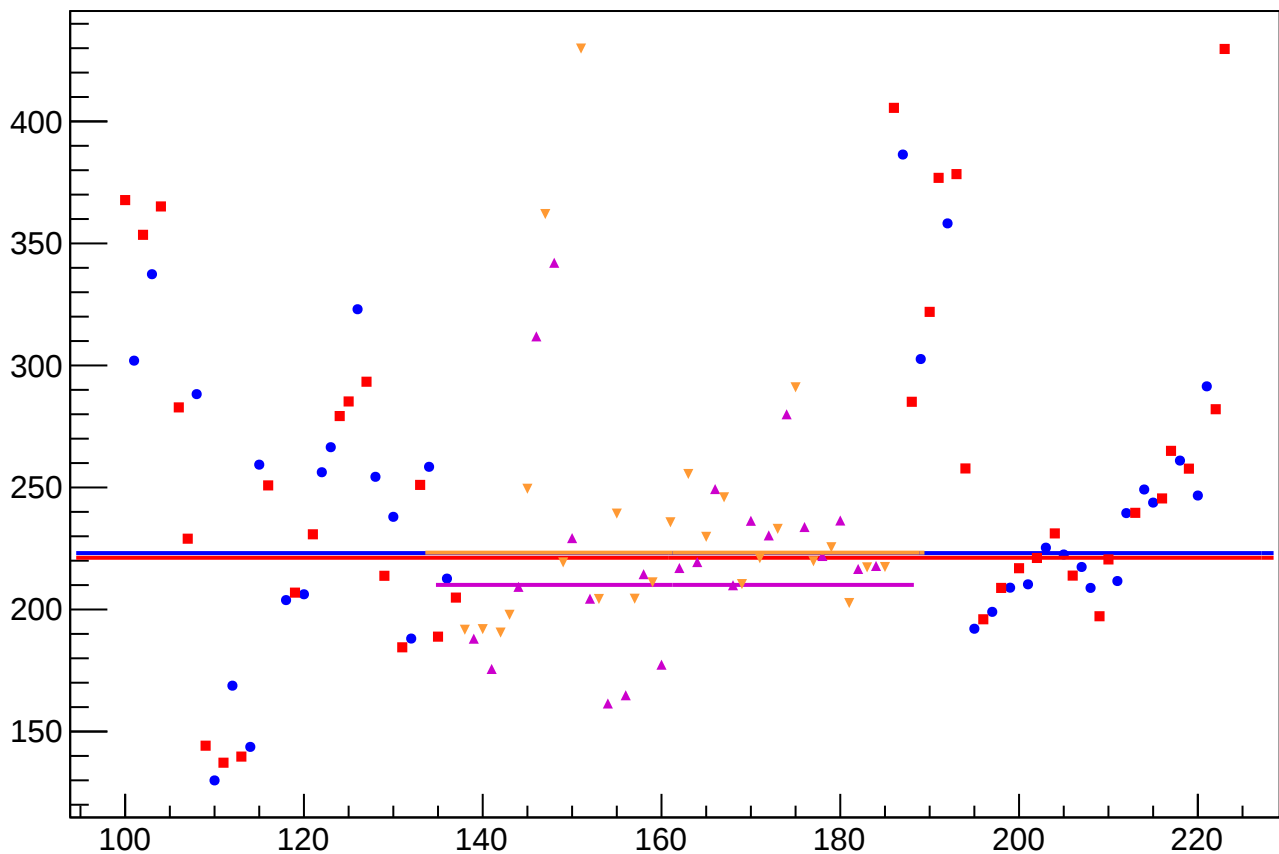
Left In: -300.516 ± 51.984 $\chi^2/\text{NDF}: 1208.6/22$

+ sign 436.633 ± 36.966 $\chi^2/\text{NDF}: 10163.3/59$

All: -103.403 ± 25.892 $\chi^2/\text{NDF}: 24150.7/121$

- sign -623.539 ± 36.279 $\chi^2/\text{NDF}: 13568.4/61$

asym_bpm0l05WS_rms vs Slug



Right In: 223.112 $\pm$ 0.036 χ^2 /NDF: 1561558.1/34

Left Out: 223.296 $\pm$ 0.038 χ^2 /NDF:922768.4/24

Right Out: 221.204 $\pm$ 0.036 χ^2 /NDF: 2468042.7/38

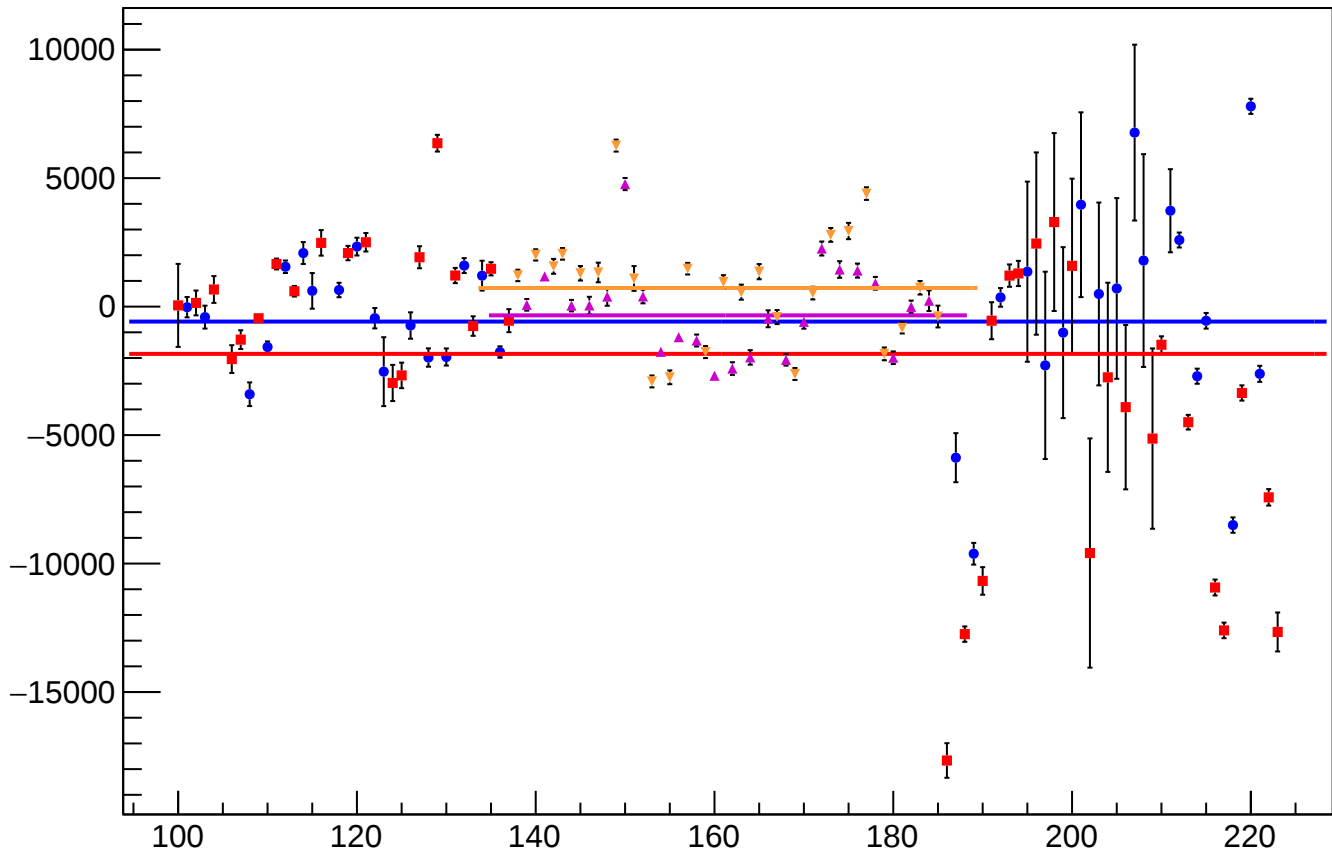
Left In: 210.080 $\pm$ 0.037 χ^2 /NDF:1015274.5/22

+ sign 223.201 $\pm$ 0.026 χ^2 /NDF: 2484338.8/59

All: 219.424 $\pm$ 0.018 χ^2 /NDF: 6055625.6/123

- sign 215.786 $\pm$ 0.026 χ^2 /NDF: 3530295.0/61

asym_bpm0l06WS_mean vs Slug



Right In: -581.993 ± 66.298 χ^2/NDF : 2629.6/34

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: -1839.294 ± 60.881 χ^2/NDF : 6920.6/38

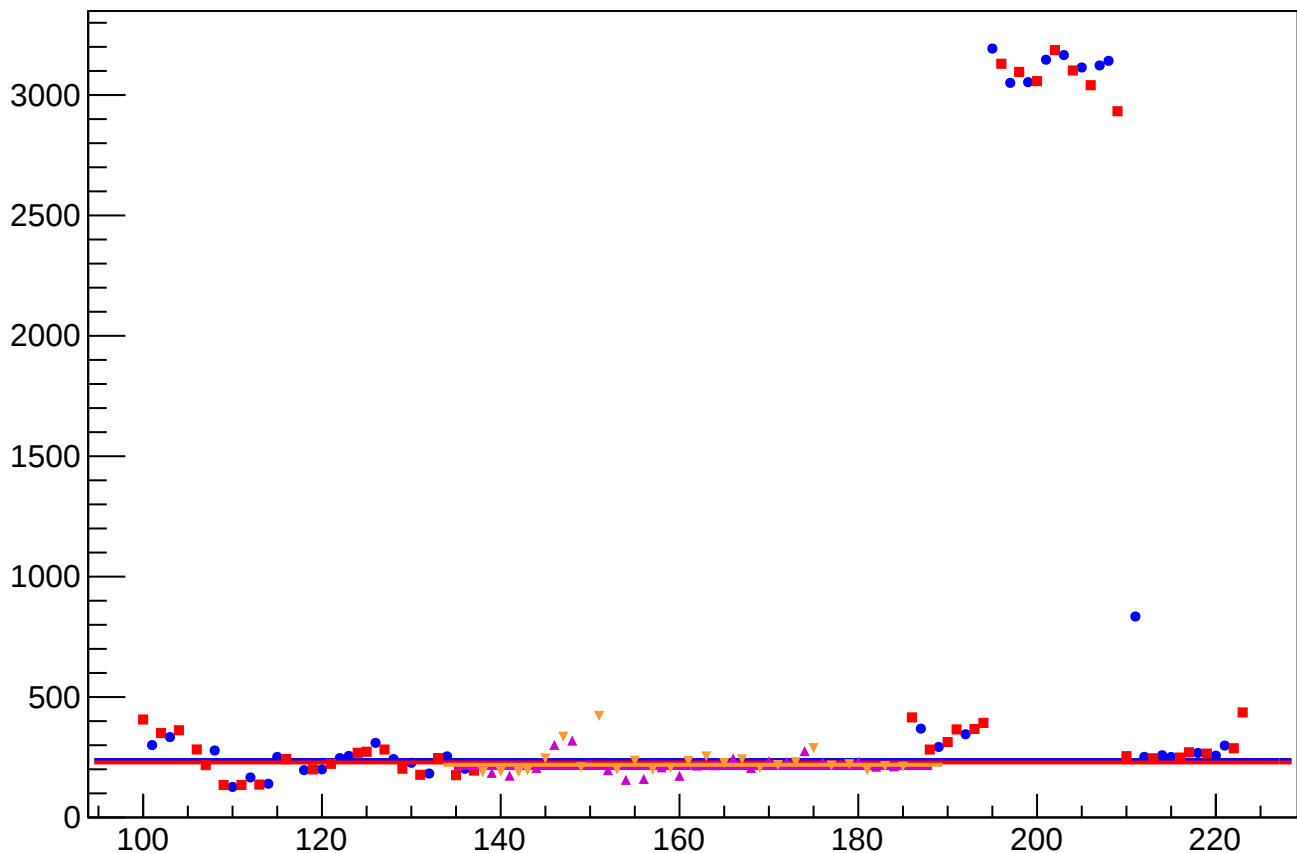
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 225.859 ± 40.993 χ^2/NDF : 4782.7/59

All: -394.272 ± 28.258 χ^2/NDF : 13698.4/121

- sign -955.739 ± 39.006 χ^2/NDF : 8479.7/61

asym_bpm0l06WS_rms vs Slug



Right In: 238.446 $\pm$ 0.047 χ^2 /NDF: 12287165.6/34

Left Out: 218.768 $\pm$ 0.037 χ^2 /NDF: 896914.5/24

Right Out: 228.412 $\pm$ 0.043 χ^2 /NDF: 11827280.0/38

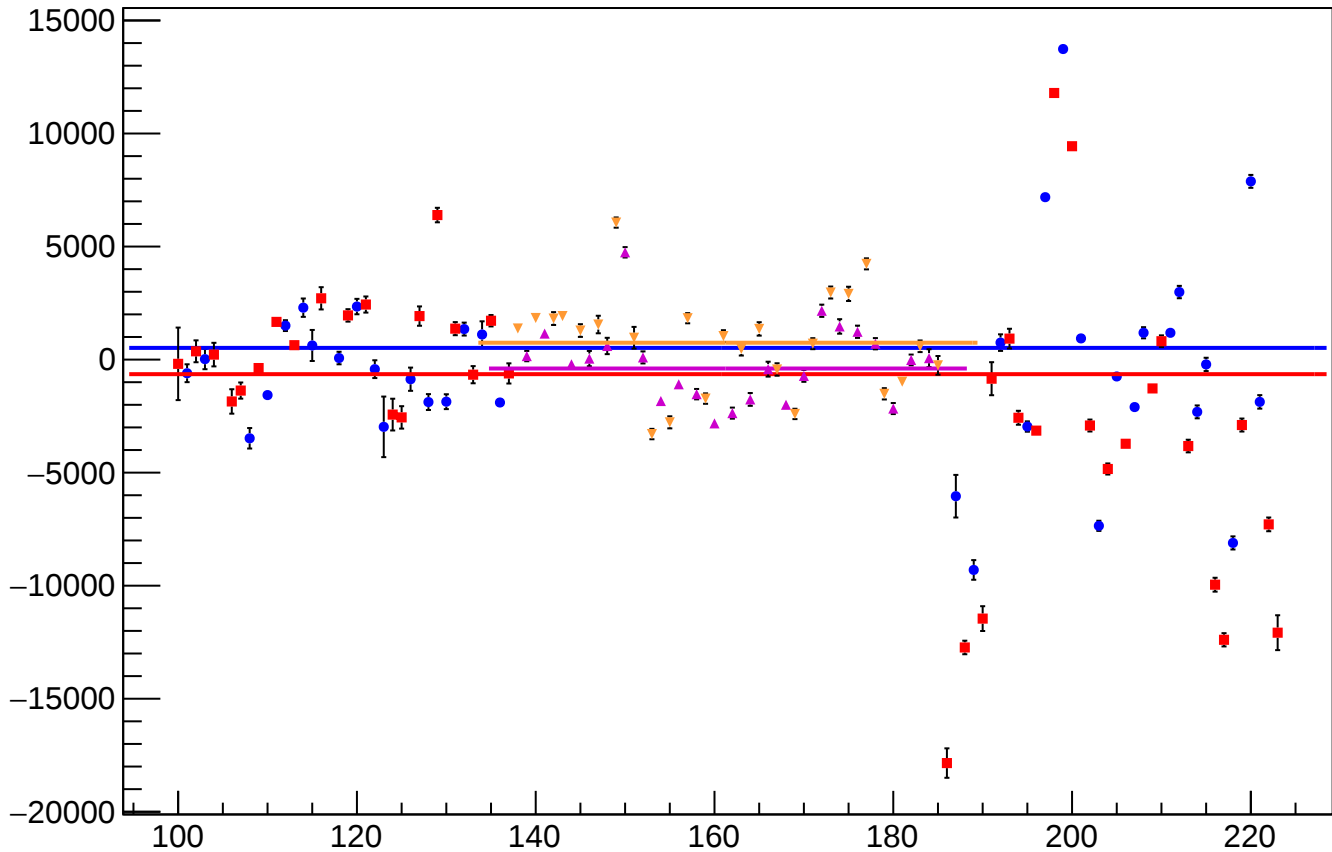
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 226.291 $\pm$ 0.029 χ^2 /NDF: 13292905.0/59

All: 220.238 $\pm$ 0.020 χ^2 /NDF: 26371118.2/12

- sign 214.757 $\pm$ 0.028 χ^2 /NDF: 12995112.5/61

asym_bpm0l07WS_mean vs Slug



Right In: 517.781 ± 48.268 χ^2/NDF : 10266.8/34

Left Out: 746.405 ± 51.592 χ^2/NDF : 1942.1/24

Right Out: -644.349 ± 47.713 χ^2/NDF : 14190.5/38

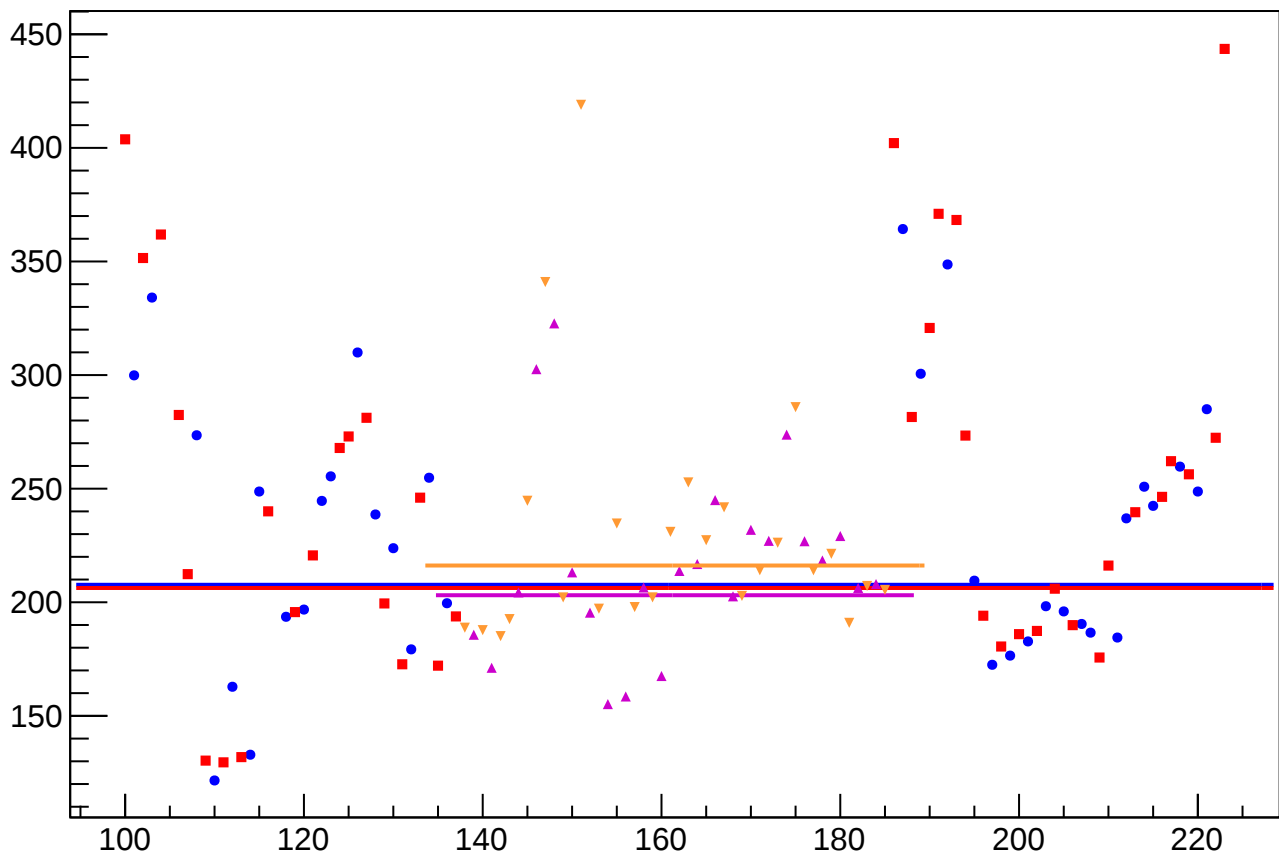
Left In: -394.379 ± 50.311 χ^2/NDF : 1236.4/22

+ sign 624.492 ± 35.247 χ^2/NDF : 12219.4/59

All: 38.932 ± 24.699 χ^2/NDF : 28201.5/121

- sign -525.985 ± 34.620 χ^2/NDF : 15439.9/61

asym_bpm0l07WS_rms vs Slug



Right In: 207.695 $\pm$ 0.034 χ^2 /NDF: 1935733.9/34

Left Out: 216.178 $\pm$ 0.036 χ^2 /NDF: 946050.8/24

Right Out: 206.289 $\pm$ 0.034 χ^2 /NDF: 3008731.1/38

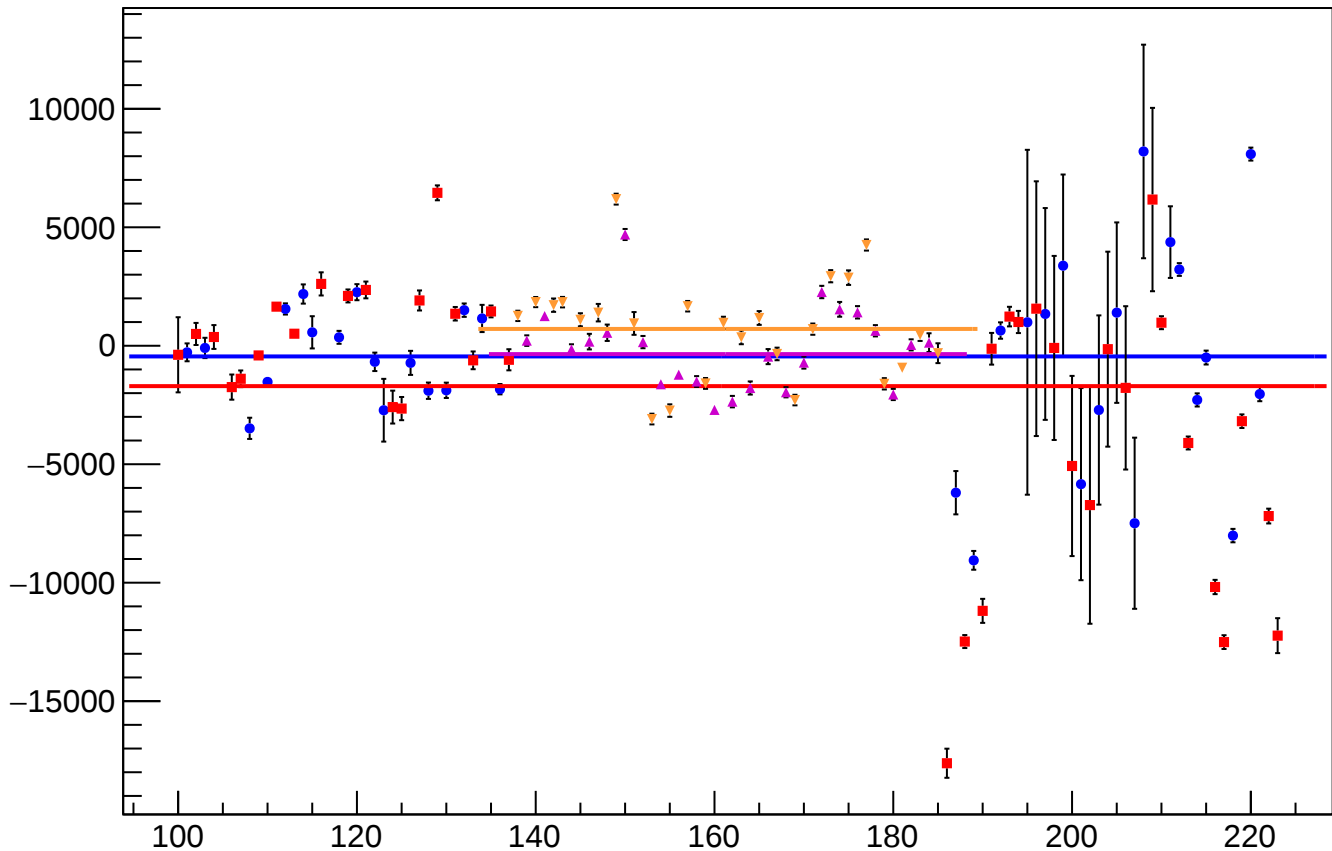
Left In: 203.101 $\pm$ 0.036 χ^2 /NDF: 1038013.0/22

+ sign 211.654 $\pm$ 0.025 χ^2 /NDF: 2910620.4/59

All: 208.155 $\pm$ 0.017 χ^2 /NDF: 7000320.0/123

- sign 204.779 $\pm$ 0.024 χ^2 /NDF: 4050971.5/61

asym_bpm0l08WS_mean vs Slug



Right In: -450.445 ± 63.654 χ^2/NDF : 2882.9/34

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: -1704.076 ± 58.141 χ^2/NDF : 7486.3/38

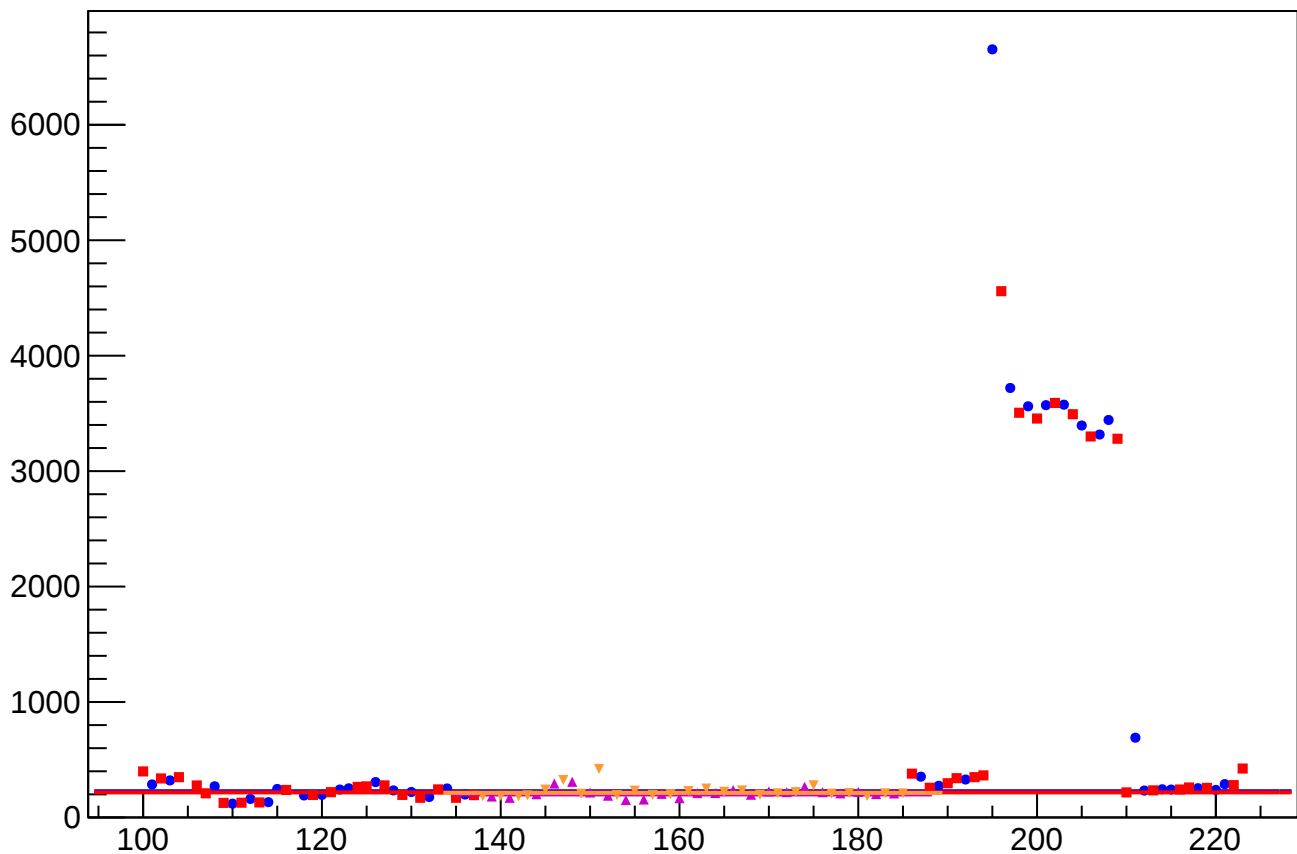
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 259.164 ± 39.682 χ^2/NDF : 5018.5/59

All: -360.963 ± 27.297 χ^2/NDF : 14515.8/121

- sign -917.992 ± 37.609 χ^2/NDF : 9033.7/61

asym_bpm0l08WS_rms vs Slug



Right In: 227.277 $\pm$ 0.045 χ^2 /NDF: 12646734.3/34

Left Out: 212.718 $\pm$ 0.036 χ^2 /NDF: 916225.9/24

Right Out: 217.062 $\pm$ 0.041 χ^2 /NDF: 12103381.1/38

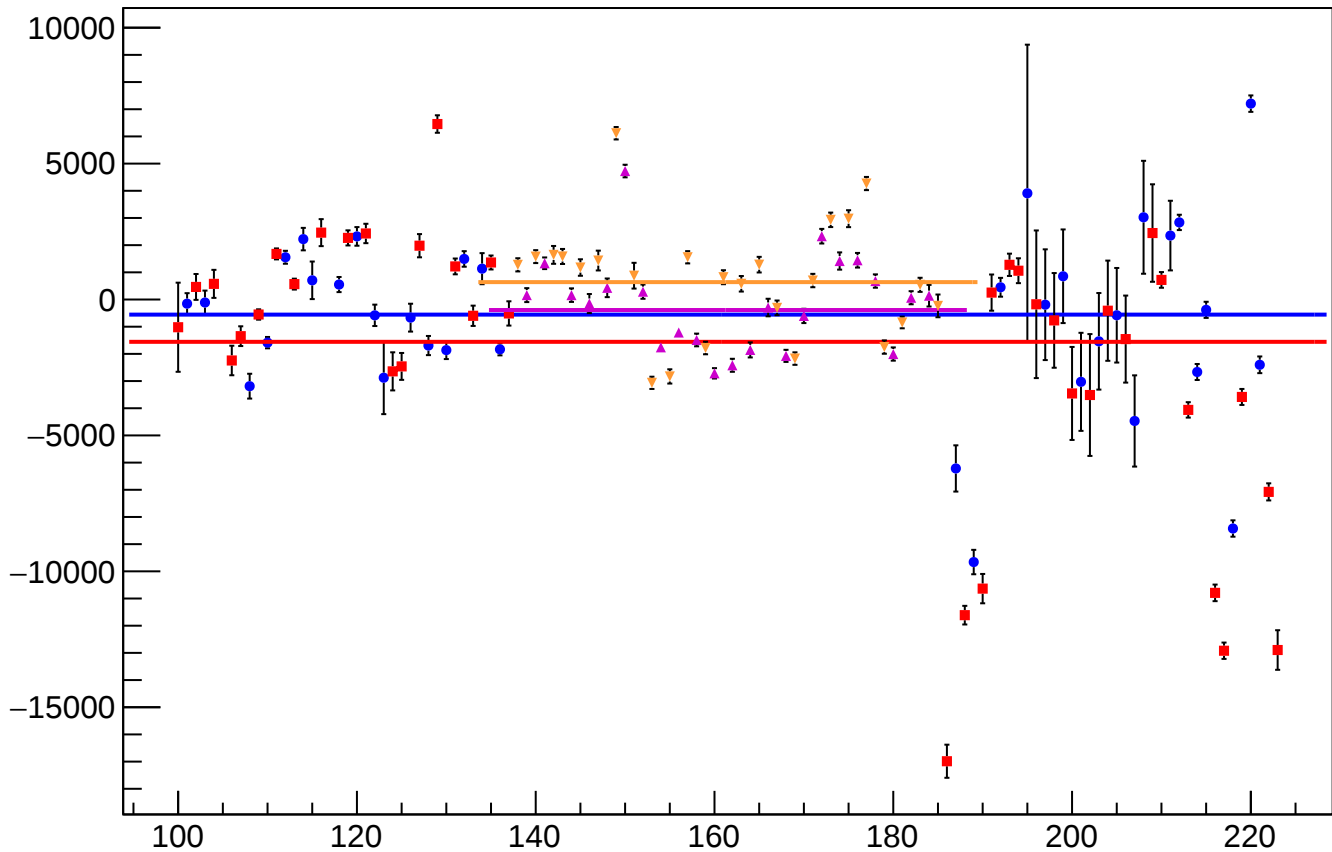
Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

+ sign 218.376 $\pm$ 0.028 χ^2 /NDF: 13626923.0/59

All: 212.194 $\pm$ 0.019 χ^2 /NDF: 26918894.6/12

- sign 206.640 $\pm$ 0.027 χ^2 /NDF: 13199815.4/61

asym_bpm0l09WS_mean vs Slug



Right In: -555.673 ± 65.129 χ^2/NDF : 2451.2/34

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: -1556.590 ± 59.634 χ^2/NDF : 6705.9/38

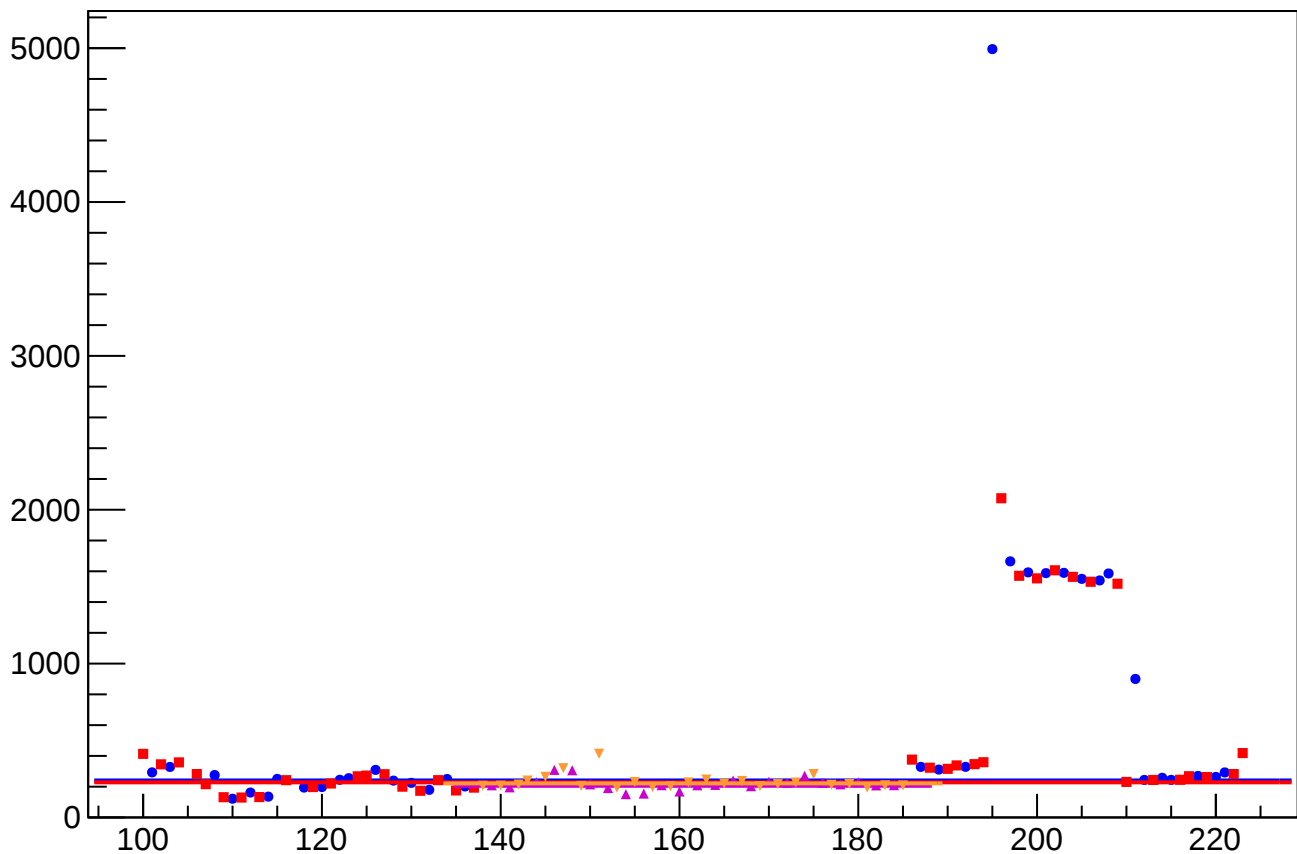
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 166.801 ± 40.972 χ^2/NDF : 4514.1/59

All: -385.967 ± 28.155 χ^2/NDF : 13025.4/121

- sign -880.565 ± 38.756 χ^2/NDF : 8166.4/61

asym_bpm0l09WS_rms vs Slug



Right In: 240.440 $\pm$ 0.046 χ^2 /NDF: 11396268.5/34

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

Right Out: 228.231 $\pm$ 0.042 χ^2 /NDF: 10470237.7/38

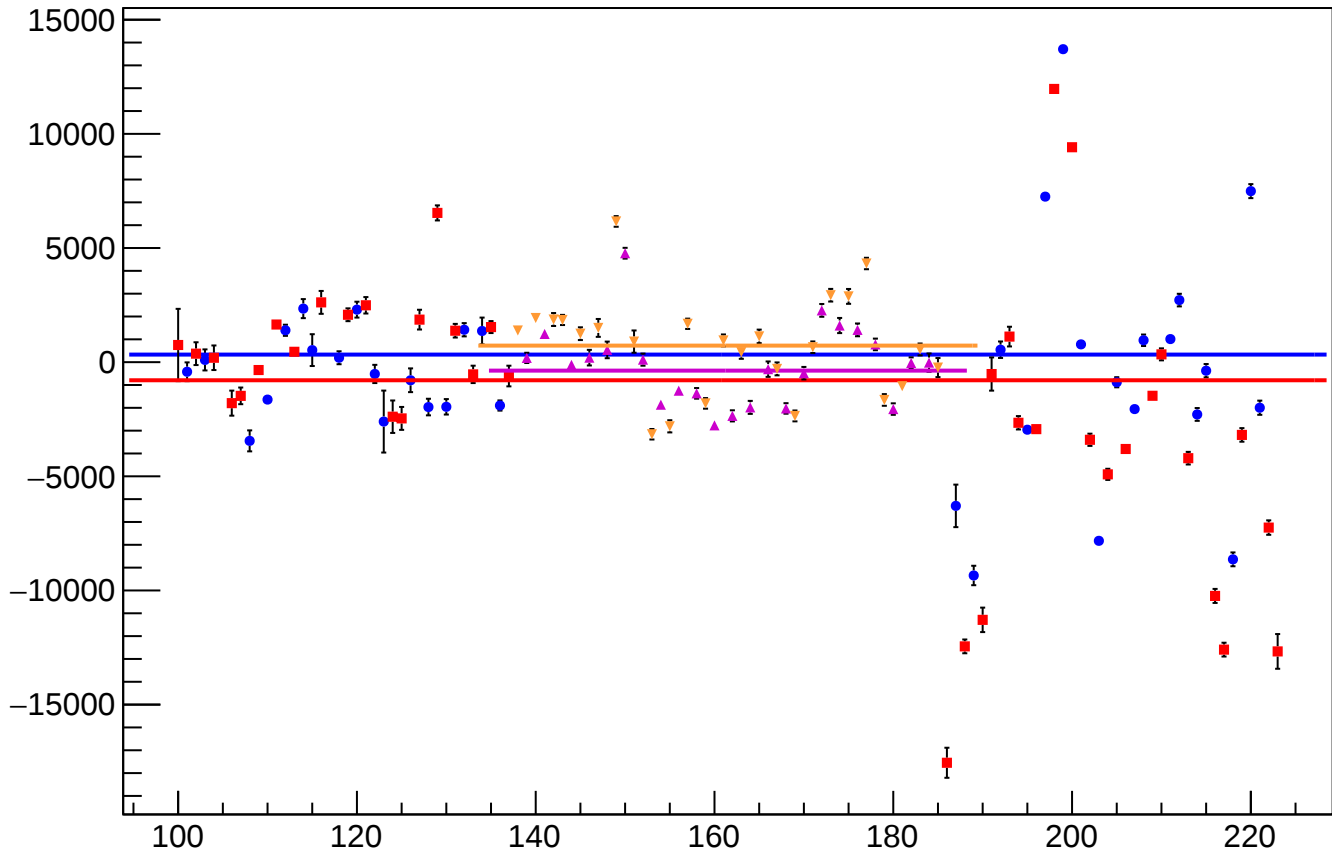
Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 228.934 $\pm$ 0.029 χ^2 /NDF: 12277412.4/59

All: 221.726 $\pm$ 0.020 χ^2 /NDF: 24023253.6/12

- sign 215.276 $\pm$ 0.027 χ^2 /NDF: 11628545.0/61

asym_bpm0l10WS_mean vs Slug



Right In: 331.801 ± 48.854 $\chi^2/\text{NDF}: 10100.8/34$

Left Out: 725.250 ± 52.307 $\chi^2/\text{NDF}: 1883.1/24$

Right Out: -793.035 ± 48.467 $\chi^2/\text{NDF}: 13791.2/38$

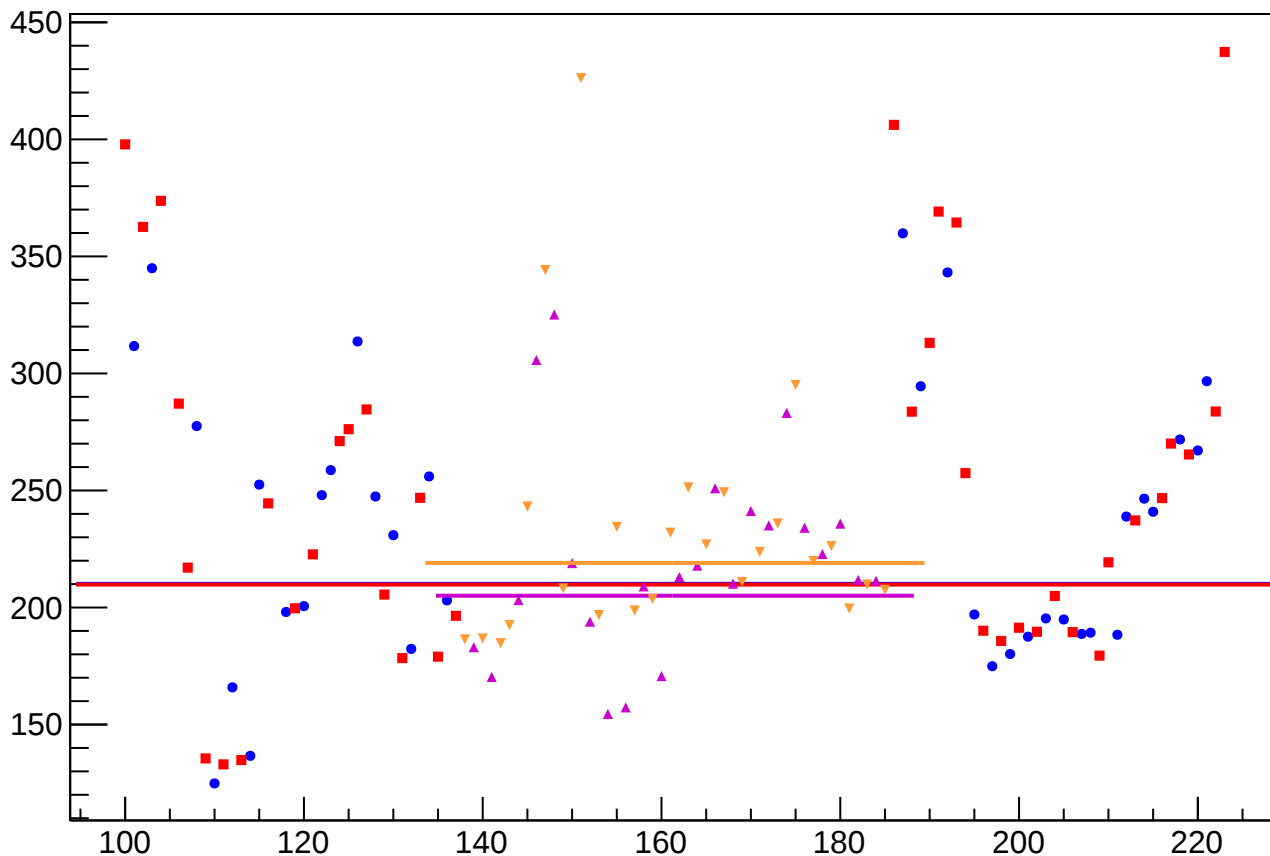
Left In: -370.408 ± 50.884 $\chi^2/\text{NDF}: 1223.2/22$

+ sign 515.111 ± 35.703 $\chi^2/\text{NDF}: 12014.2/59$

All: -47.956 ± 25.028 $\chi^2/\text{NDF}: 27553.7/121$

- sign -591.997 ± 35.095 $\chi^2/\text{NDF}: 15050.5/61$

asym_bpm0l10WS_rms vs Slug



Right In: 210.109+/-0.035 χ^2/NDF : 1944427.9/34

Left Out: 219.049+/-0.037 χ^2/NDF : 975564.4/24

Right Out: 209.795+/-0.034 χ^2/NDF : 2865890.0/38

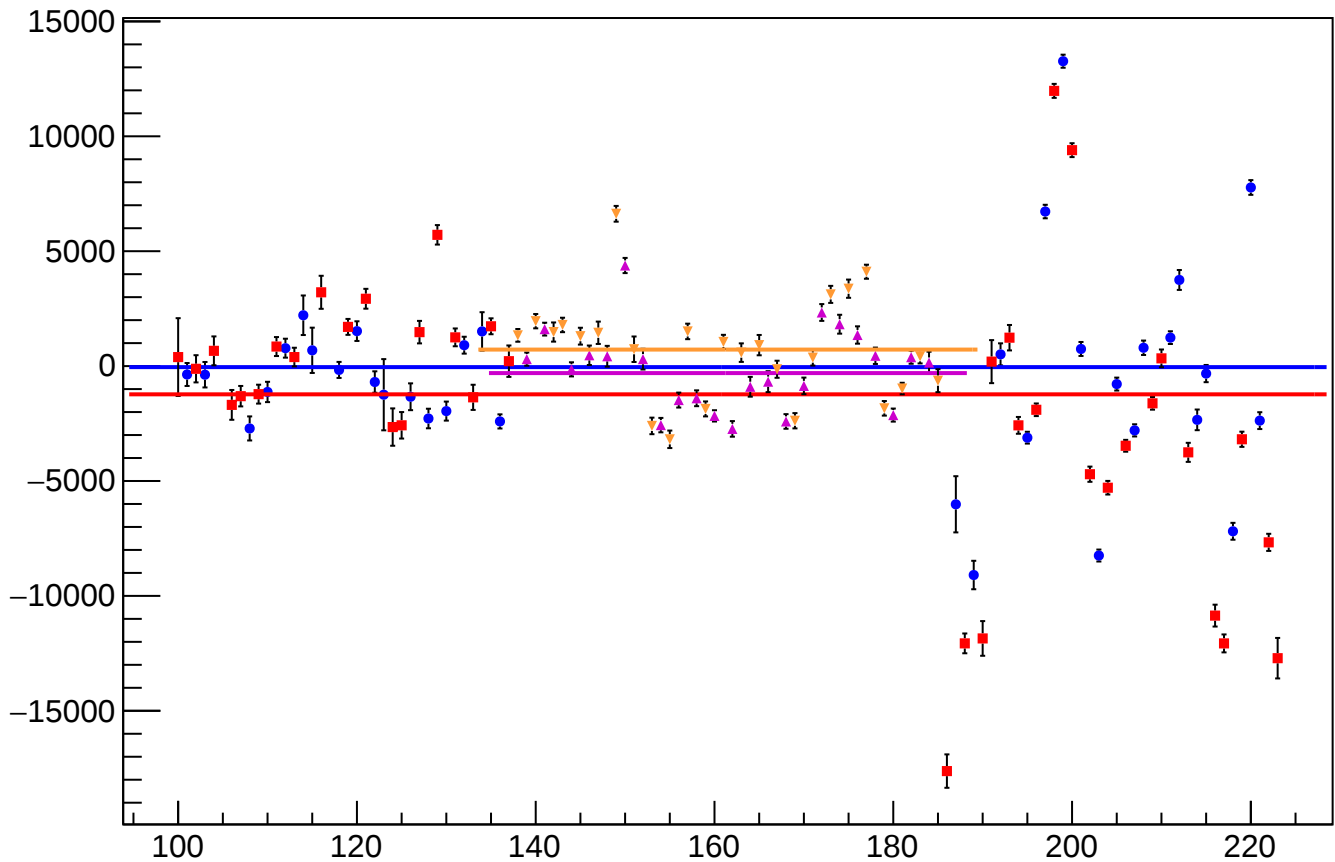
Left In: 205.046+/-0.036 χ^2/NDF : 1144197.1/22

+ sign 214.274+/-0.025 χ^2/NDF : 2951195.4/59

All: 210.847+/-0.018 χ^2/NDF : 7006638.0/123

- sign 207.536+/-0.025 χ^2/NDF : 4019219.2/61

asym_bpm0r03WS_mean vs Slug



Right In: -44.476 ± 64.411 χ^2/NDF : 5542.7/34

Left Out: 718.705 ± 69.601 χ^2/NDF : 1018.5/24

Right Out: -1228.758 ± 66.346 χ^2/NDF : 7297.6/38

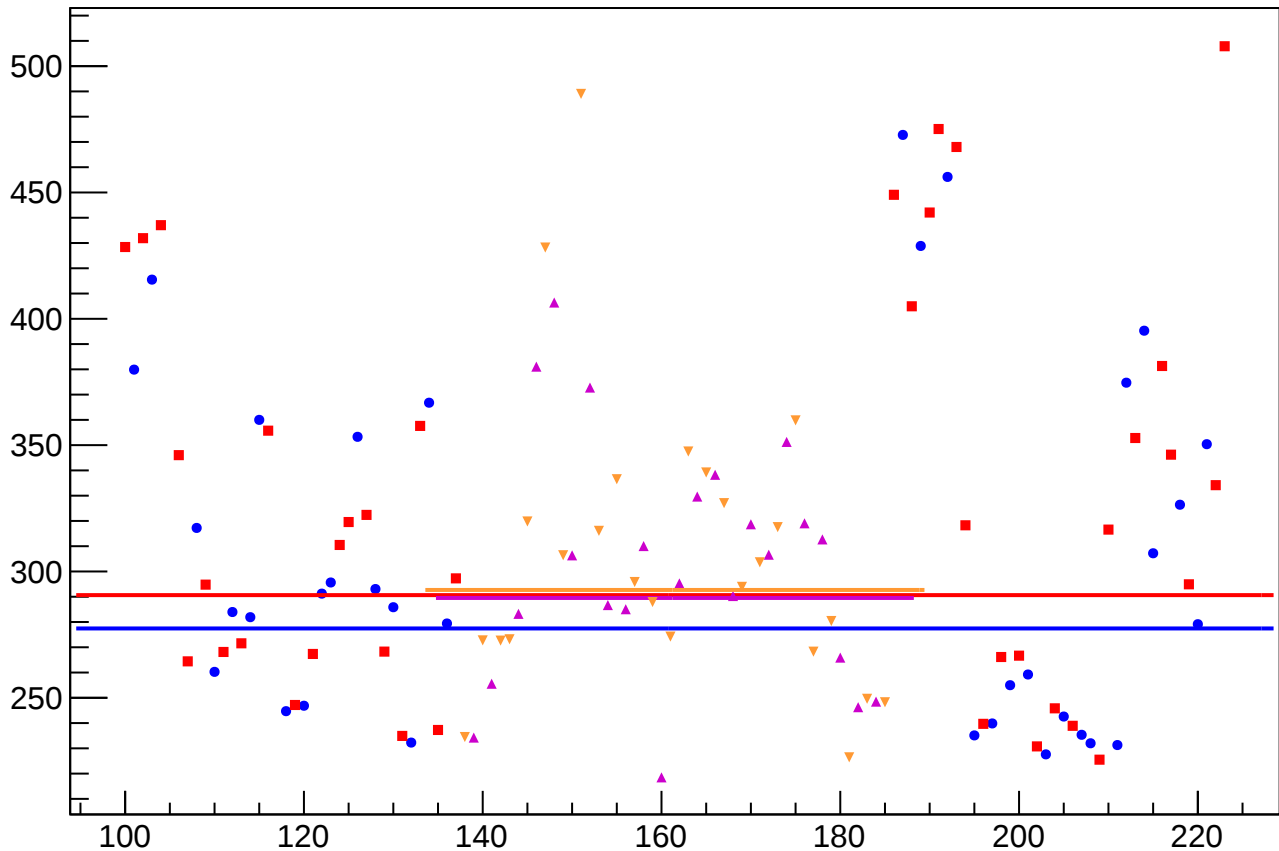
Left In: -304.161 ± 70.958 χ^2/NDF : 643.5/22

+ sign 307.606 ± 47.274 χ^2/NDF : 6626.0/59

All: -231.225 ± 33.840 χ^2/NDF : 14924.1/121

- sign -797.481 ± 48.462 χ^2/NDF : 8031.7/61

asym_bpm0r03WS_rms vs Slug



Right In: 277.446 $\pm$ 0.046 χ^2 /NDF: 1529996.2/34

Left Out: 292.686 $\pm$ 0.049 χ^2 /NDF: 925193.6/24

Right Out: 290.641 $\pm$ 0.047 χ^2 /NDF: 1785550.4/38

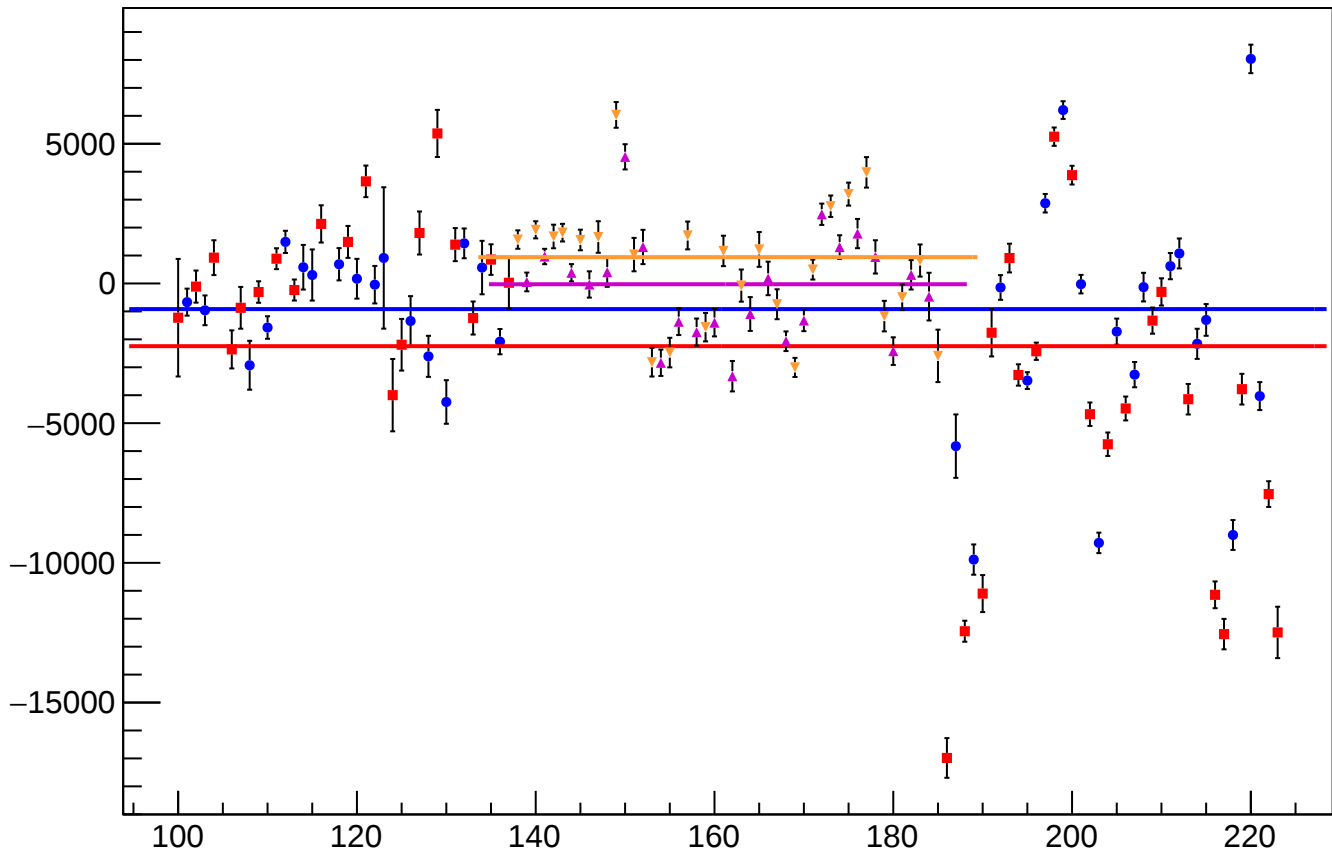
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 284.477 $\pm$ 0.033 χ^2 /NDF: 2506840.3/59

All: 287.228 $\pm$ 0.024 χ^2 /NDF: 5084446.5/123

- sign 290.119 $\pm$ 0.034 χ^2 /NDF: 2563716.7/61

asym_bpm0r05WS_mean vs Slug



Right In: -917.668 ± 84.194 $\chi^2/\text{NDF}: 2285.8/34$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -2244.704 ± 81.072 $\chi^2/\text{NDF}: 3929.7/38$

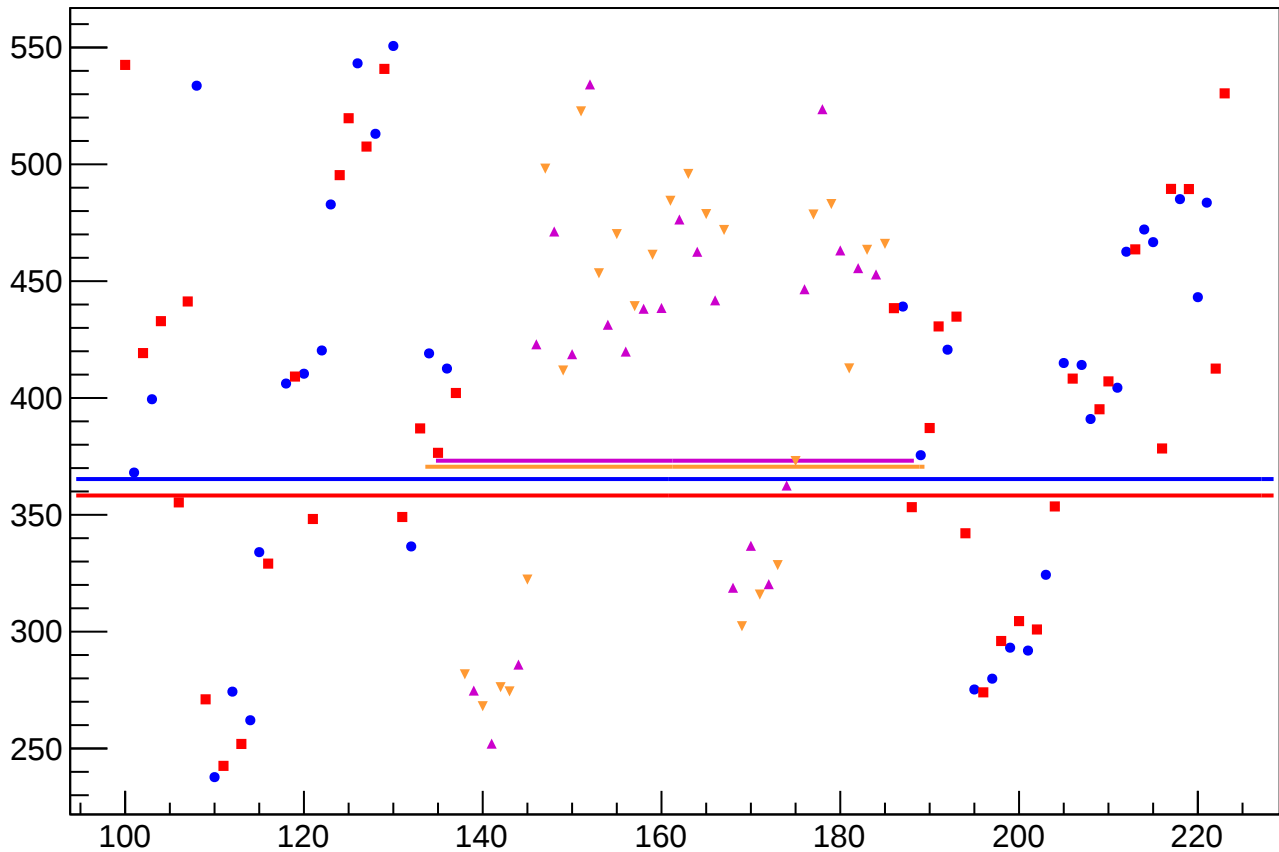
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign -40.827 ± 61.201 $\chi^2/\text{NDF}: 3060.4/59$

All: -663.050 ± 43.176 $\chi^2/\text{NDF}: 7883.9/121$

- sign -1279.577 ± 60.920 $\chi^2/\text{NDF}: 4617.7/61$

asym_bpm0r05WS_rms vs Slug



Right In: 365.308+/-0.060 χ^2/NDF : 1877464.3/34

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 358.270+/-0.057 χ^2/NDF : 1696660.8/38

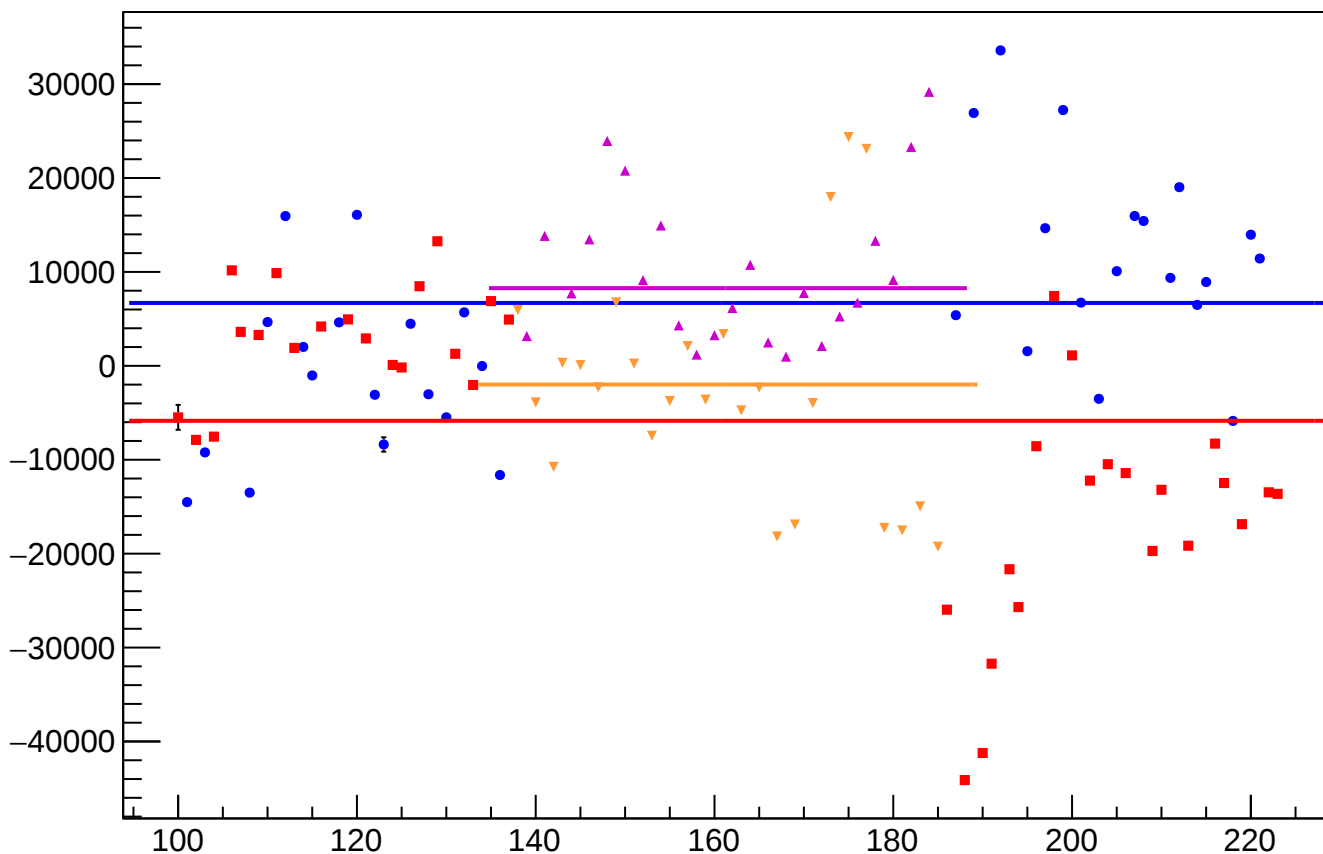
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 367.794+/-0.043 χ^2/NDF : 3759280.9/59

All: 366.266+/-0.031 χ^2/NDF : 7124038.3/121

- sign 364.753+/-0.043 χ^2/NDF : 3362276.5/61

asym_bpm0i02WS_mean vs Slug



Right In: 6697.508 ± 38.234 $\chi^2/\text{NDF}: 97322.3/34$

Left Out: -1991.788 ± 42.427 $\chi^2/\text{NDF}: 63766.6/24$

Right Out: -5850.091 ± 37.010 $\chi^2/\text{NDF}: 148135.6/38$

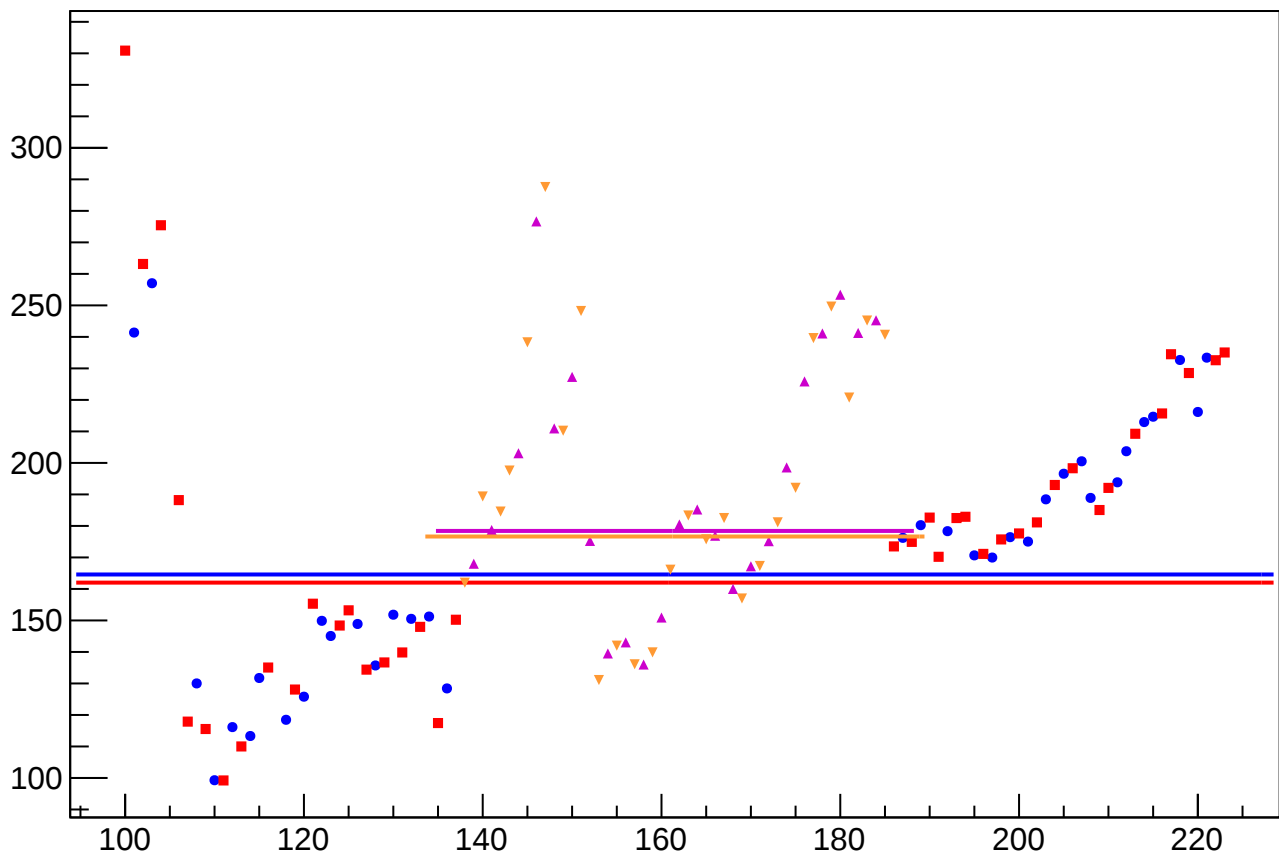
Left In: 8273.228 ± 44.301 $\chi^2/\text{NDF}: 22870.2/22$

+ sign 2803.261 ± 28.403 $\chi^2/\text{NDF}: 184236.0/59$

All: 1379.235 ± 20.084 $\chi^2/\text{NDF}: 420127.7/12$

- sign -44.792 ± 28.403 $\chi^2/\text{NDF}: 230864.2/61$

asym_bpm0i02WS_rms vs Slug



Right In: 164.590 $\pm$ 0.027 χ^2 /NDF: 2040126.8/34

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 162.008 $\pm$ 0.026 χ^2 /NDF: 2363907.1/38

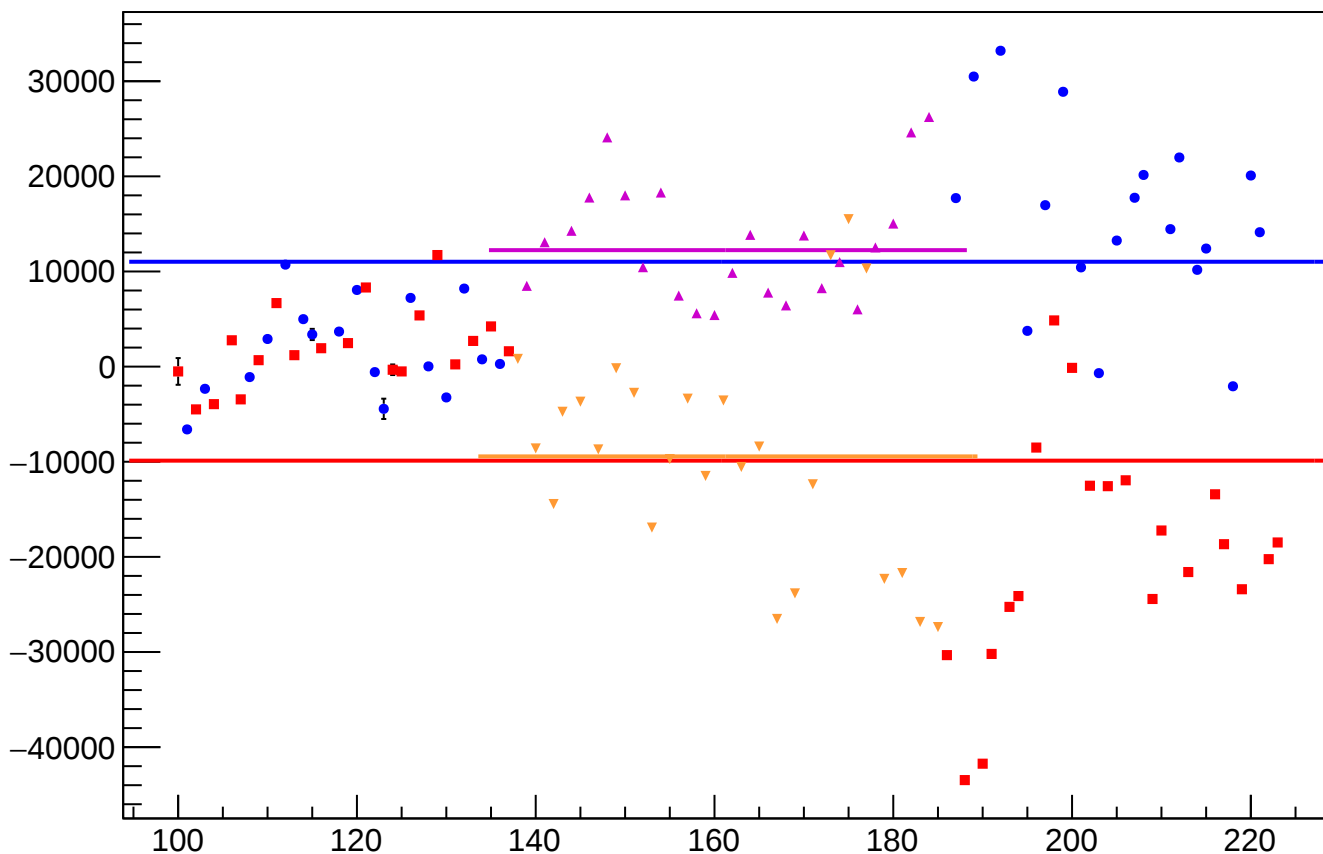
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 169.991 $\pm$ 0.020 χ^2 /NDF: 3680221.7/59

All: 169.371 $\pm$ 0.014 χ^2 /NDF: 7501305.6/123

- sign 168.751 $\pm$ 0.020 χ^2 /NDF: 3819179.6/61

asym_bpm0i02aWS_mean vs Slug



Right In: 11022.905 $\pm$ 41.709 χ^2 /NDF: 59144.8/34

Left Out: -9437.408 $\pm$ 45.534 χ^2 /NDF: 62220.4/24

Right Out: -9885.006 $\pm$ 40.508 χ^2 /NDF: 122631.7/38

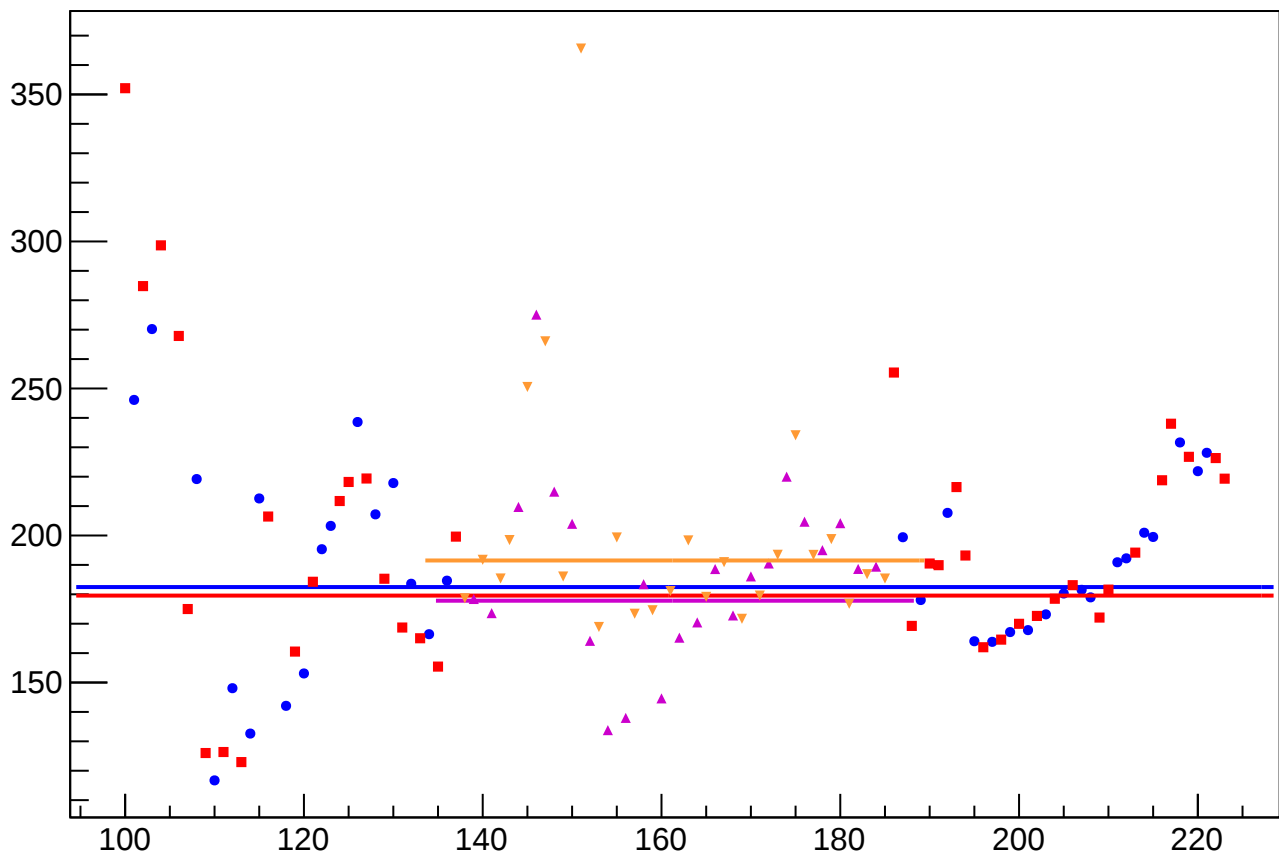
Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF: 16615.8/22

+ sign 1688.235 $\pm$ 30.756 χ^2 /NDF: 231154.3/59

All: 961.419 $\pm$ 21.396 χ^2 /NDF: 508552.8/121

- sign 279.803 $\pm$ 29.784 χ^2 /NDF: 276316.2/61

asym_bpm0i02aWS_rms vs Slug



Right In: 182.464+/-0.029 χ^2/NDF : 1031770.9/34

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 179.563+/-0.029 χ^2/NDF : 1482998.4/38

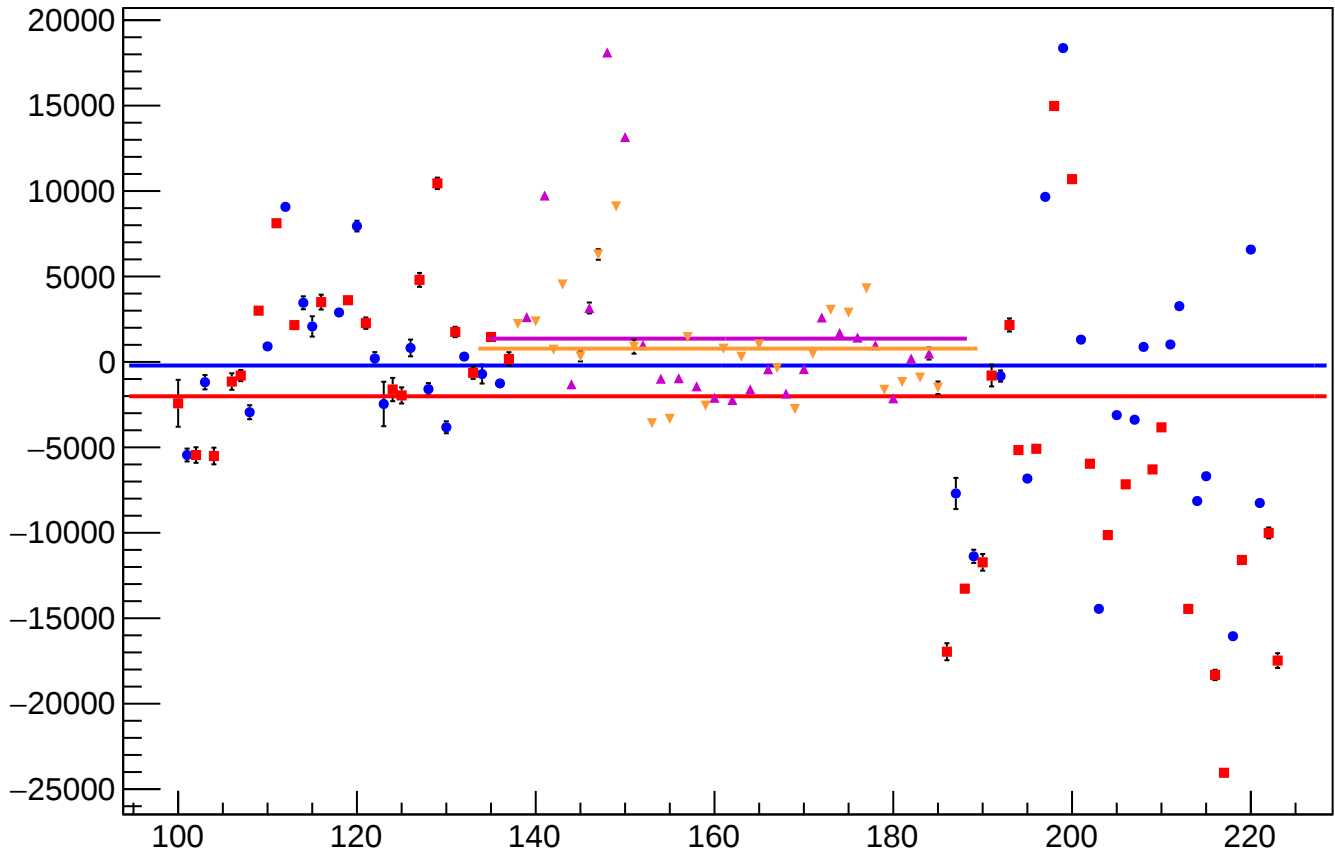
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 186.589+/-0.022 χ^2/NDF : 1801917.5/59

All: 182.551+/-0.015 χ^2/NDF : 4215938.5/123

- sign 178.763+/-0.021 χ^2/NDF : 2347191.2/61

asym_bpm0i05WS_mean vs Slug



Right In: -210.334 ± 46.763 χ^2/NDF : 26900.0/34

Left Out: 779.983 ± 47.457 χ^2/NDF : 4260.8/24

Right Out: -2011.048 ± 45.665 χ^2/NDF : 37736.8/38

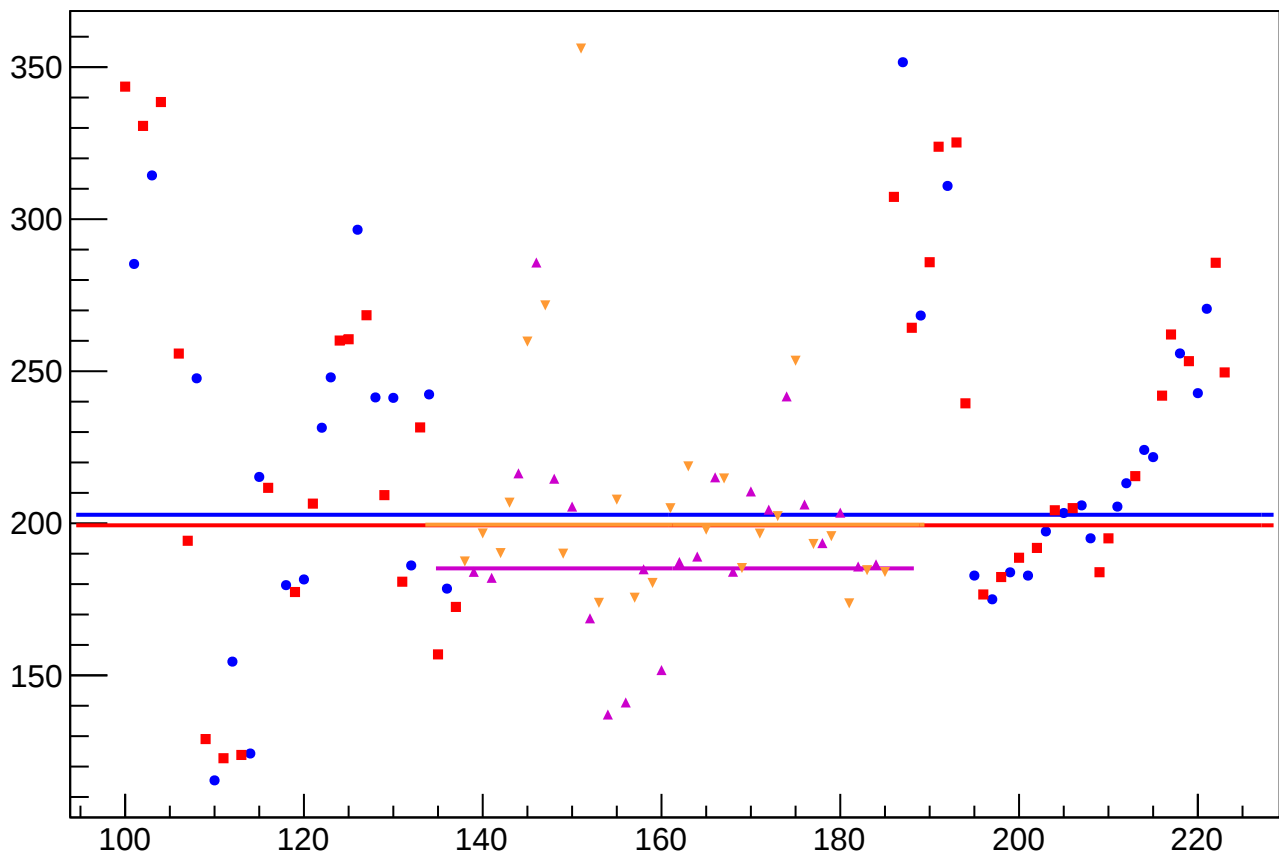
Left In: 1363.043 ± 45.807 χ^2/NDF : 11632.9/22

+ sign 277.523 ± 33.309 χ^2/NDF : 31381.7/59

All: -34.810 ± 23.203 χ^2/NDF : 83643.5/121

- sign -329.232 ± 32.340 χ^2/NDF : 52091.0/61

asym_bpm0i05WS_rms vs Slug



Right In: 202.799 ± 0.033 χ^2/NDF : 1712407.3/34

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 199.334 ± 0.032 χ^2/NDF : 2581540.0/38

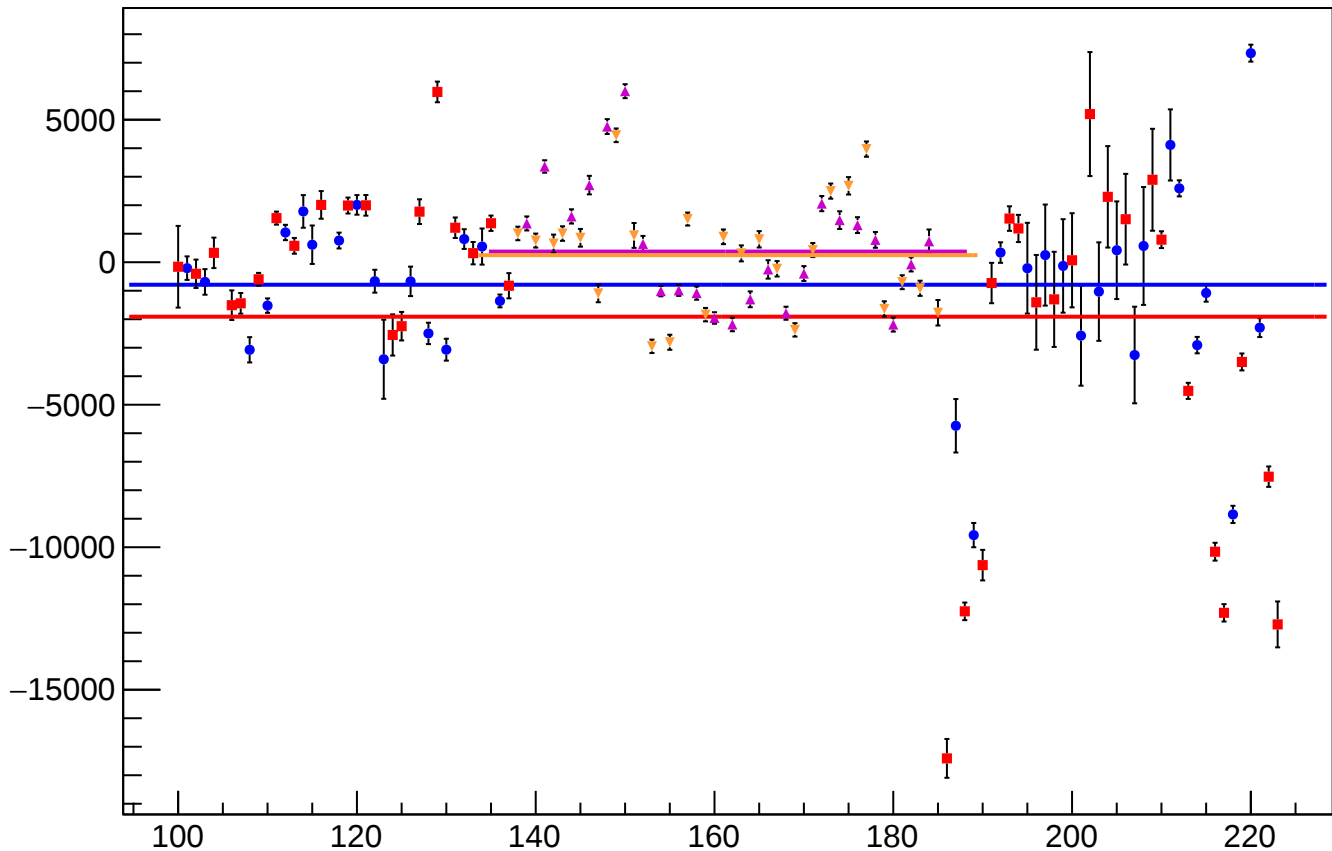
Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

+ sign 201.197 ± 0.024 χ^2/NDF : 2446529.2/59

All: 196.604 ± 0.016 χ^2/NDF : 6080599.2/123

- sign 192.274 ± 0.023 χ^2/NDF : 3560197.1/61

asym_bpm0i07WS_mean vs Slug



Right In: -789.969 ± 68.820 χ^2/NDF : 2454.1/34

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -1911.171 ± 64.036 χ^2/NDF : 6081.0/38

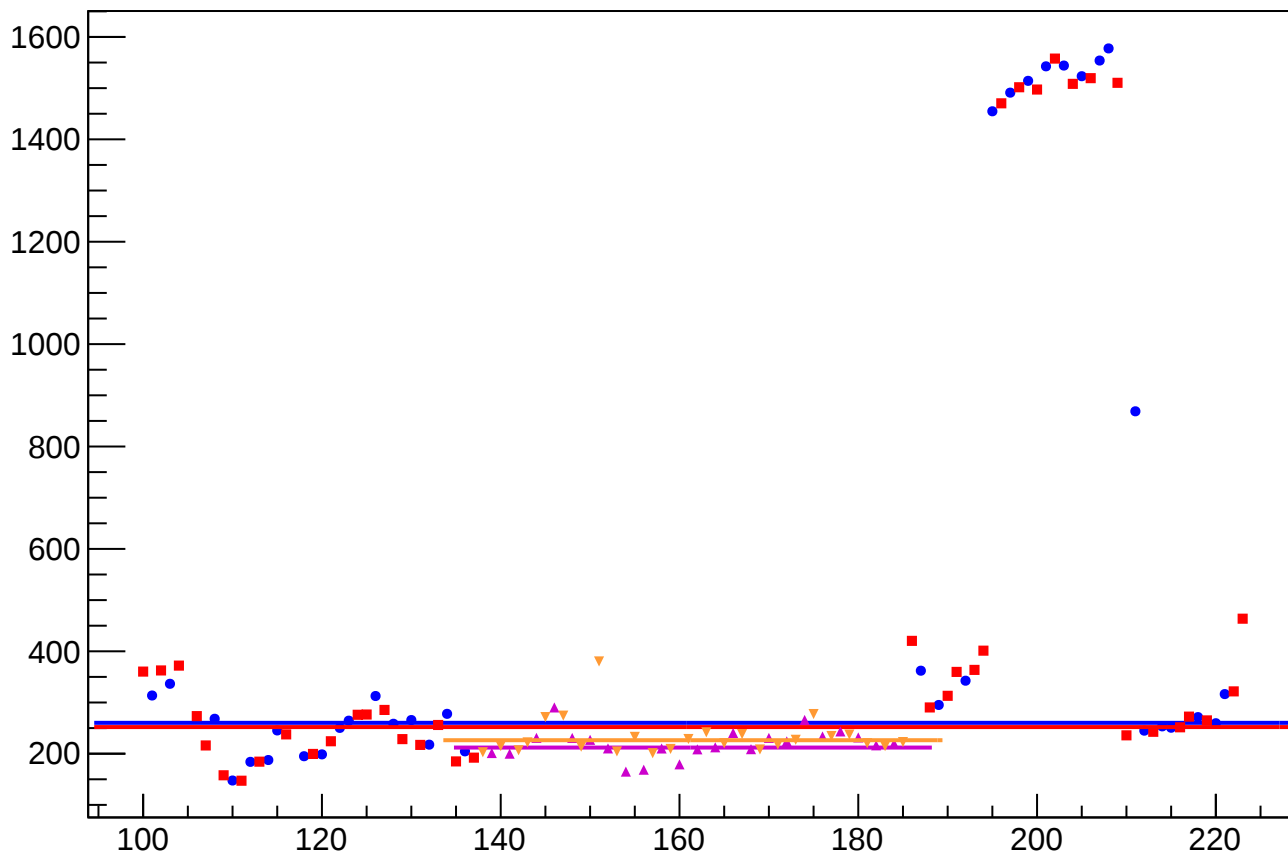
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -143.588 ± 42.265 χ^2/NDF : 3950.8/59

All: -348.185 ± 29.200 χ^2/NDF : 12644.6/121

- sign -535.028 ± 40.390 χ^2/NDF : 8649.0/61

asym_bpm0i07WS_rms vs Slug



Right In: 260.297 $\pm$ 0.049 χ^2 /NDF: 10211166.5/34

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 251.996 $\pm$ 0.045 χ^2 /NDF: 9515246.9/38

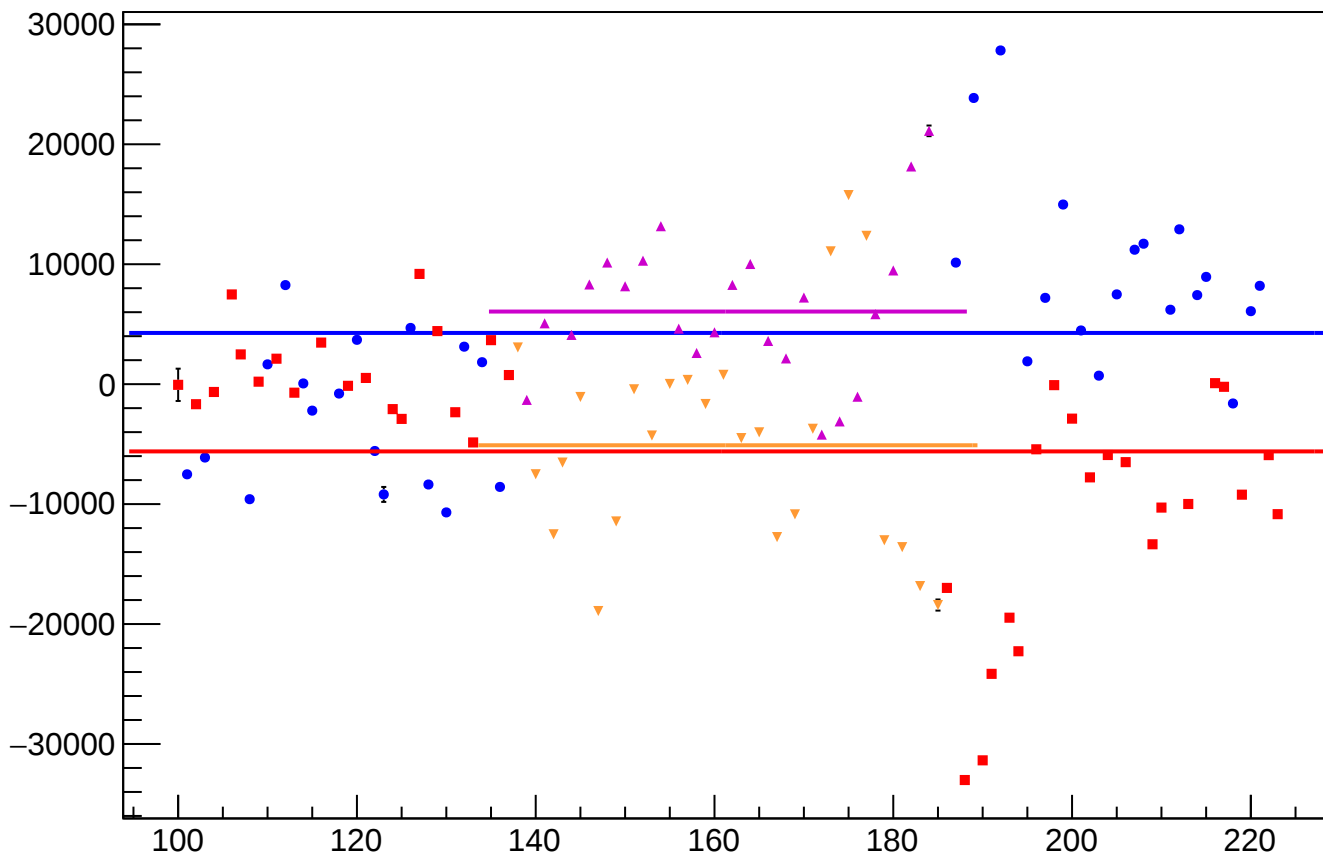
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 239.136 $\pm$ 0.030 χ^2 /NDF: 11035794.9/59

All: 233.260 $\pm$ 0.021 χ^2 /NDF: 21679873.1/12

- sign 227.894 $\pm$ 0.029 χ^2 /NDF: 10570113.8/61

asym_bpm1i02WS_mean vs Slug



Right In: 4270.727+/-32.521 χ^2/NDF : 81247.8/34

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5606.557+/-31.271 χ^2/NDF : 105593.2/38

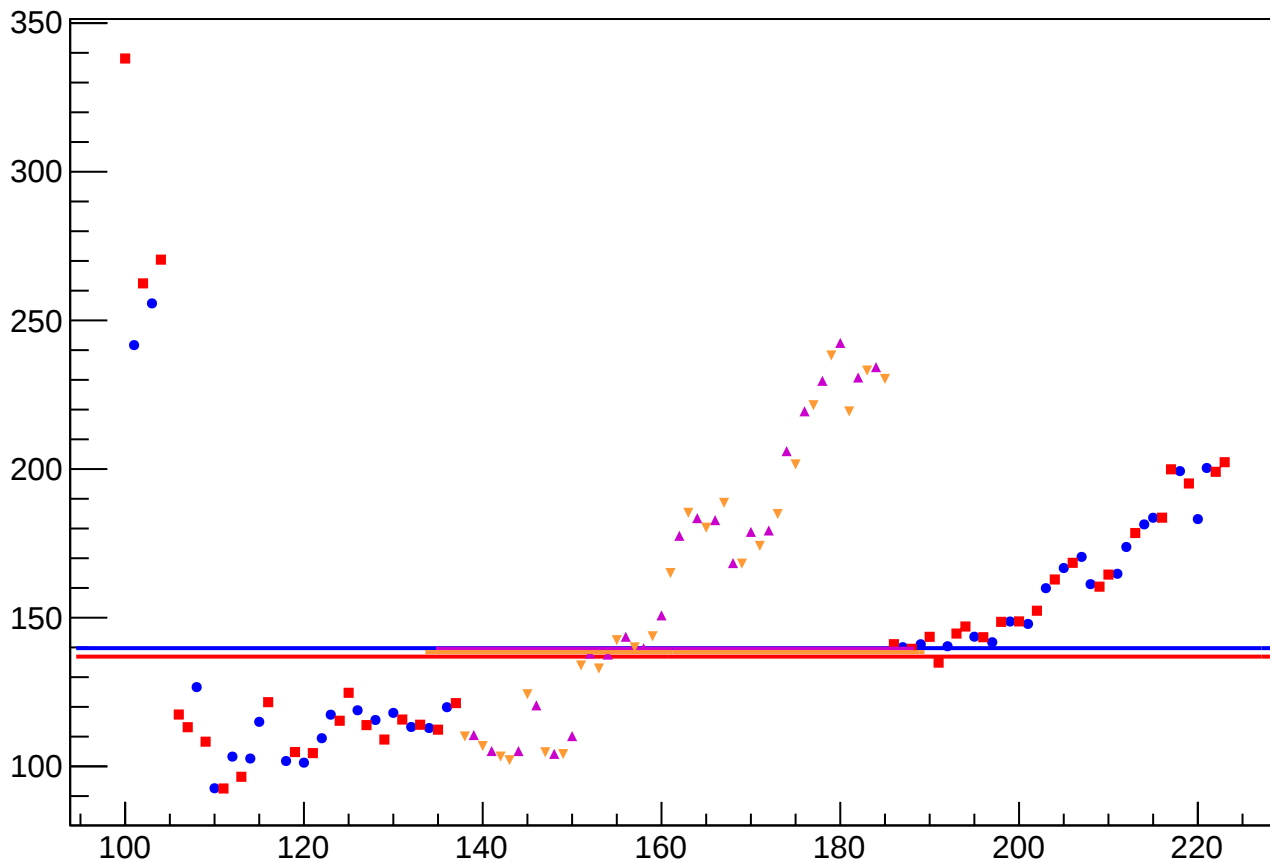
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -245.123+/-23.403 χ^2/NDF : 175634.4/59

All: -337.958+/-16.518 χ^2/NDF : 360571.1/12

- sign -430.129+/-23.319 χ^2/NDF : 184905.3/61

asym_bpm1i02WS_rms vs Slug



Right In: 139.759+/-0.023 χ^2/NDF : 2059540.7/34

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 136.908+/-0.022 χ^2/NDF : 2249721.8/38

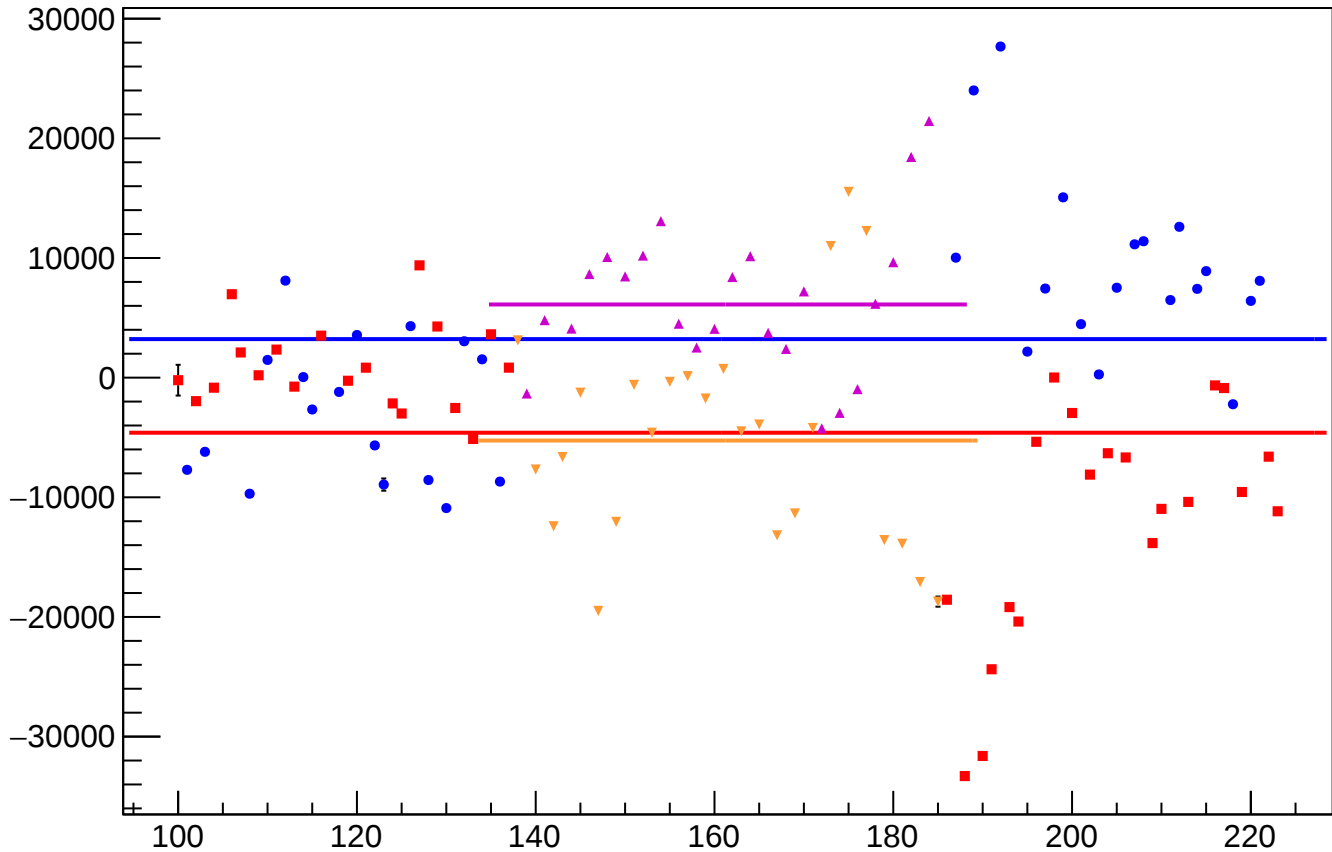
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 139.121+/-0.017 χ^2/NDF : 4610573.9/59

All: 138.605+/-0.012 χ^2/NDF : 9282358.5/123

- sign 138.093+/-0.016 χ^2/NDF : 4669849.7/61

asym_bpm1i04WS_mean vs Slug



Right In: 3220.495 ± 29.303 $\chi^2/\text{NDF}: 92624.7/34$

Left Out: -5255.652 ± 30.622 $\chi^2/\text{NDF}: 64324.6/24$

+ sign -831.142 ± 21.171 $\chi^2/\text{NDF}: 196943.6/59$

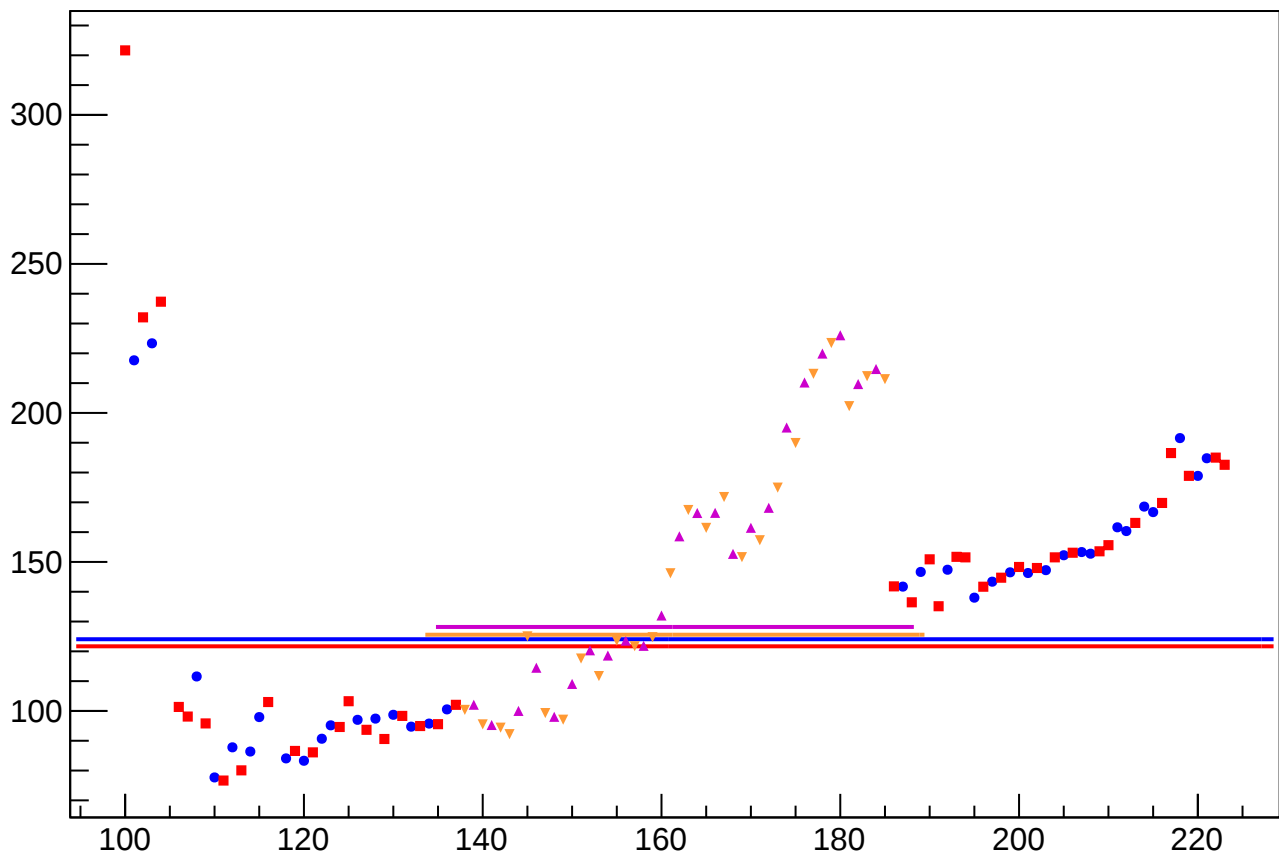
Right Out: -4603.141 ± 28.225 $\chi^2/\text{NDF}: 115534.7/38$

All: -383.231 ± 14.982 $\chi^2/\text{NDF}: 397453.8/12$

- sign 66.056 ± 21.204 $\chi^2/\text{NDF}: 199613.6/61$

Left In: 6114.901 ± 32.126 $\chi^2/\text{NDF}: 21260.9/22$

asym_bpm1i04WS_rms vs Slug



Right In: 124.063 $\pm$ 0.021 χ^2 /NDF: 3022195.0/34

Left Out: 125.577 $\pm$ 0.022 χ^2 /NDF: 2595752.6/24

Right Out: 121.689 $\pm$ 0.020 χ^2 /NDF: 3255514.4/38

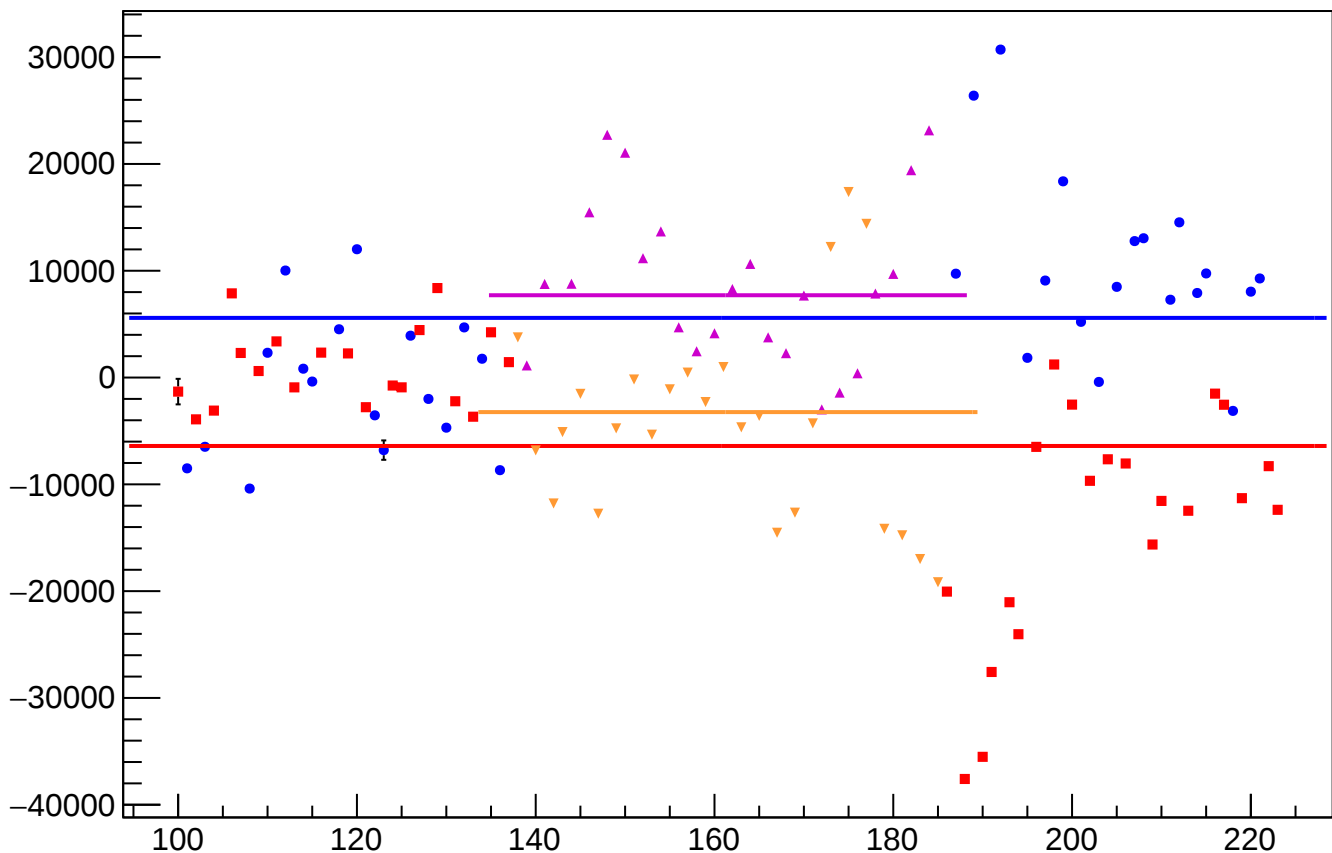
Left In: 128.184 $\pm$ 0.023 χ^2 /NDF: 2332977.5/22

+ sign 124.787 $\pm$ 0.015 χ^2 /NDF: 5620498.9/59

All: 124.653 $\pm$ 0.011 χ^2 /NDF: 11255283.1/12

- sign 124.518 $\pm$ 0.015 χ^2 /NDF: 5634623.3/61

asym_bpm1i06WS_mean vs Slug



Right In: 5586.157+/-38.588 χ^2/NDF : 64279.0/34

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: -6407.363+/-37.102 χ^2/NDF : 94623.4/38

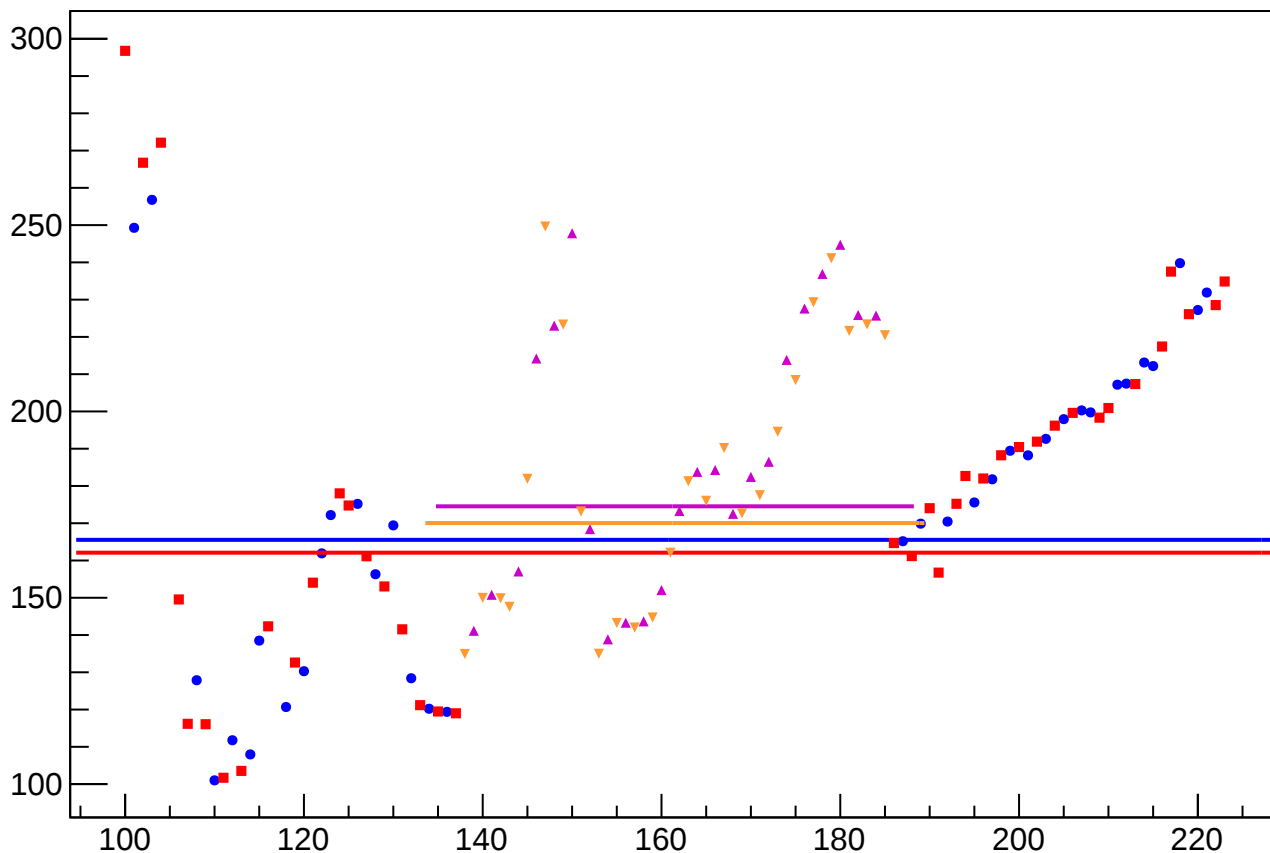
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign 1397.716+/-27.964 χ^2/NDF : 125831.4/59

All: 511.738+/-19.817 χ^2/NDF : 305517.6/121

- sign -382.098+/-28.088 χ^2/NDF : 177669.8/61

asym_bpm1i06WS_rms vs Slug



Right In: 165.544 $\pm$ 0.027 χ^2 /NDF: 2350112.2/34

Left Out: 170.050 $\pm$ 0.029 χ^2 /NDF:1240866.9/24

Right Out: 162.103 $\pm$ 0.026 χ^2 /NDF: 2513854.0/38

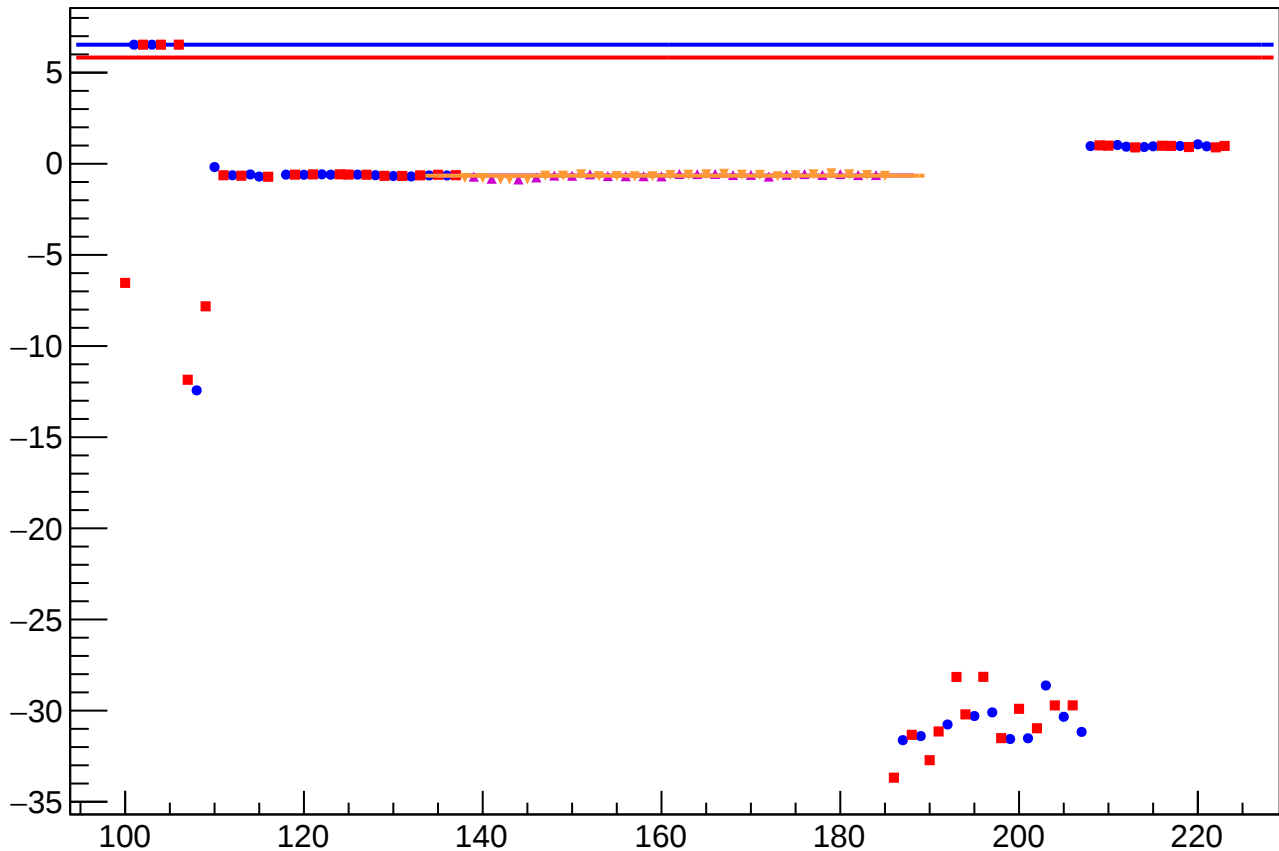
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 167.683 $\pm$ 0.020 χ^2 /NDF: 3603926.5/59

All: 167.548 $\pm$ 0.014 χ^2 /NDF: 7423871.9/123

- sign 167.412 $\pm$ 0.020 χ^2 /NDF: 3819851.5/61

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 142909346113.4/34

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755958639221349.2/38

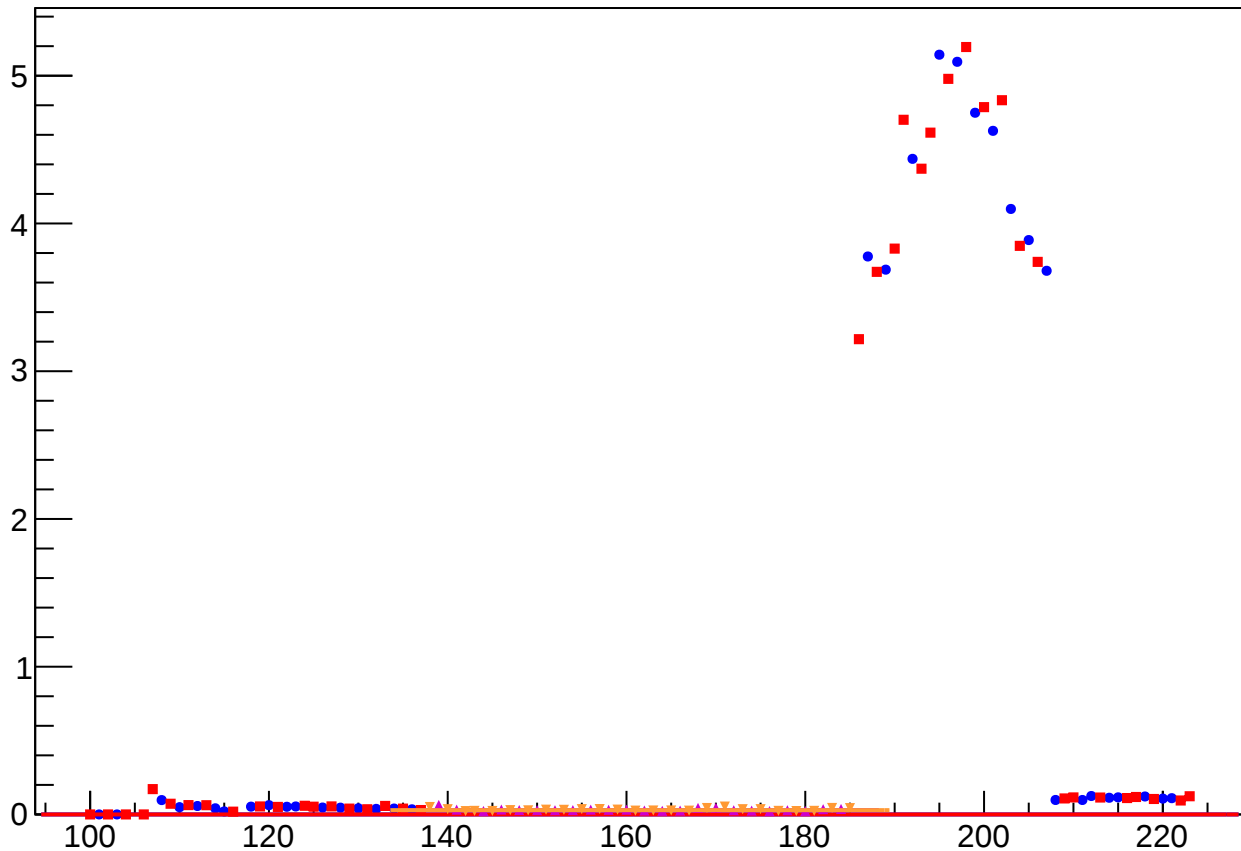
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1014290021198.6/59

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762761893612

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756629978548436.0/38

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 34663062.8/34

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 35670364.5/38

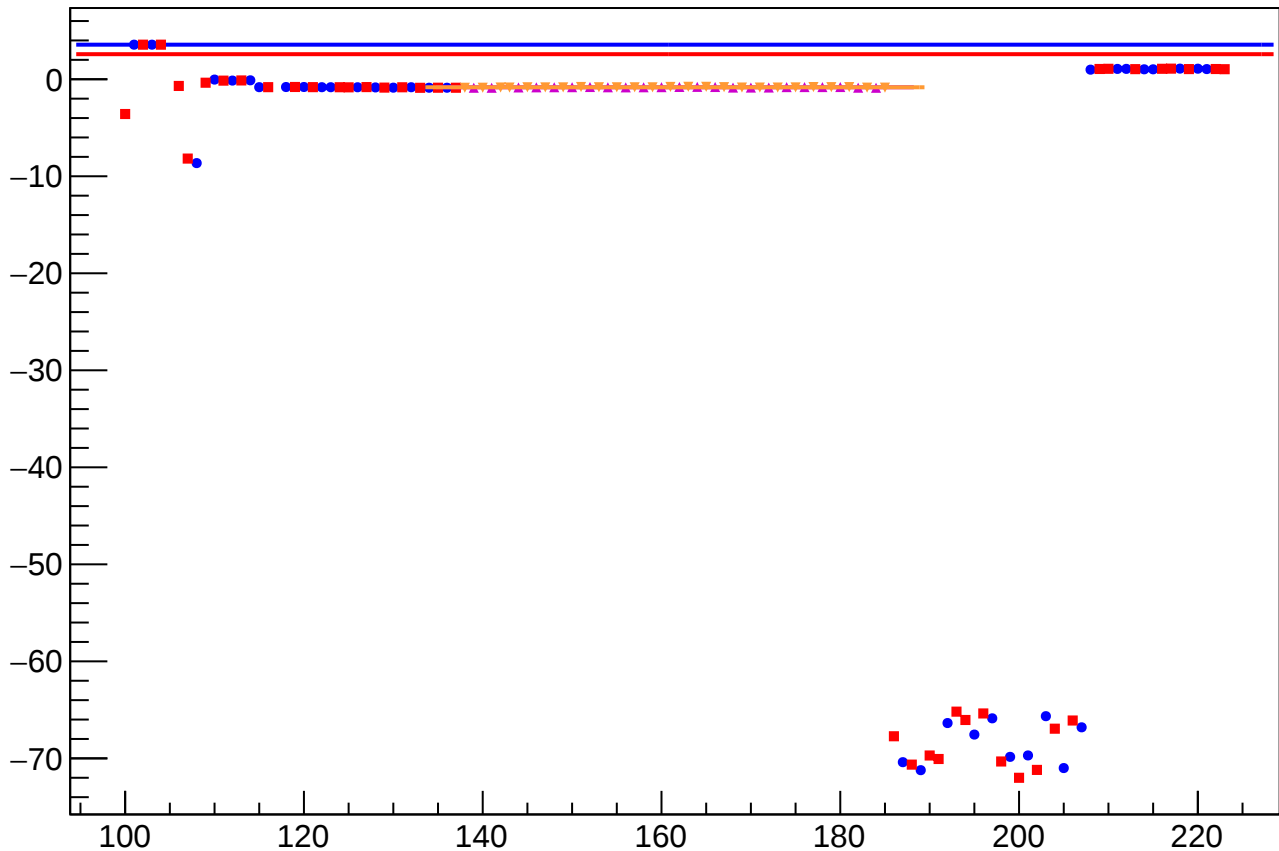
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 64533066.7/59

All: 0.000+/-0.000 χ^2/NDF : 128168813.7/121

- sign 0.000+/-0.000 χ^2/NDF : 63634996.7/61

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 615357004001.1/34

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

+ sign 3.560+/-0.000 χ^2/NDF : 4297234910762.9/59

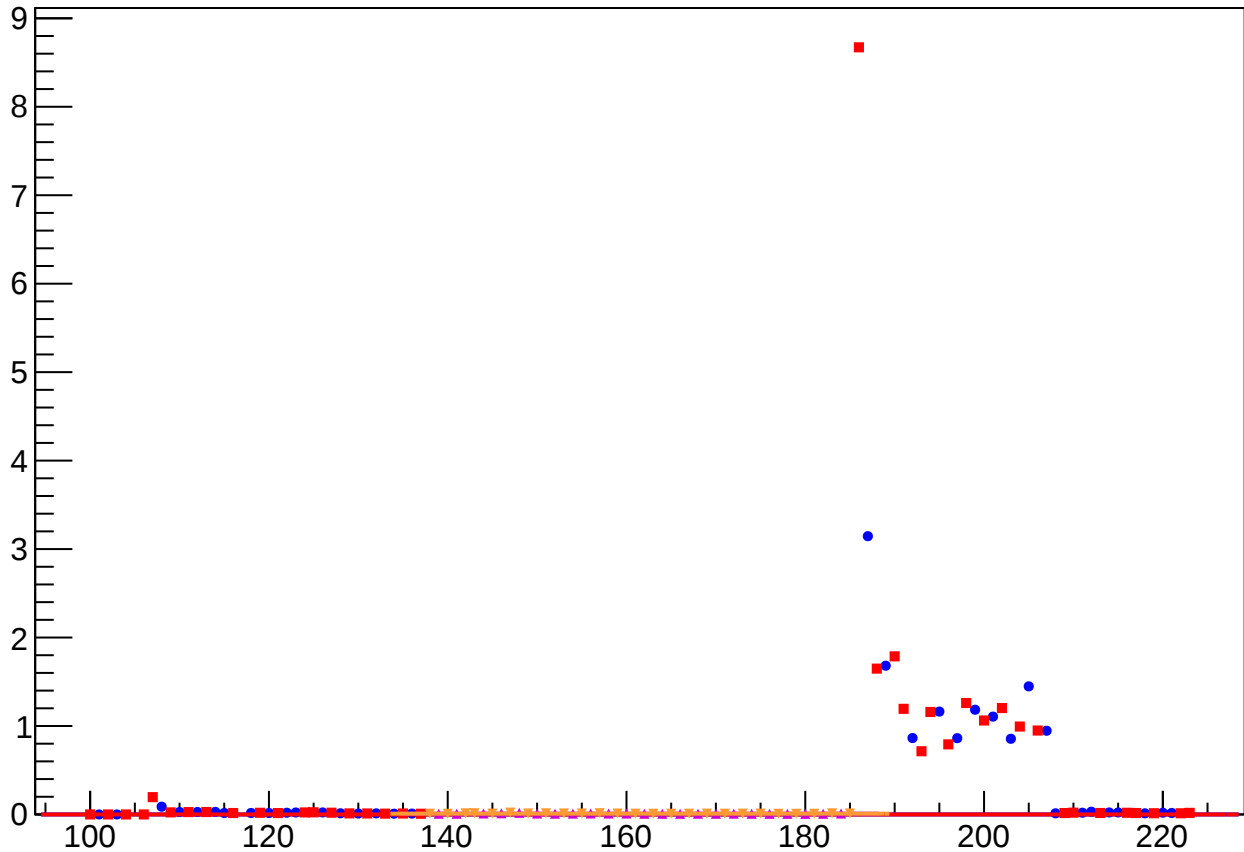
Right Out: 2.583+/-0.000 χ^2/NDF : 1253580439703640.0/38

All: 3.037+/-0.000 χ^2/NDF : 13881464764830.0/118

- sign 2.581+/-0.000 χ^2/NDF : 1255780353469830.0/38

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 : 31492272.3/34

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 33092841.2/38

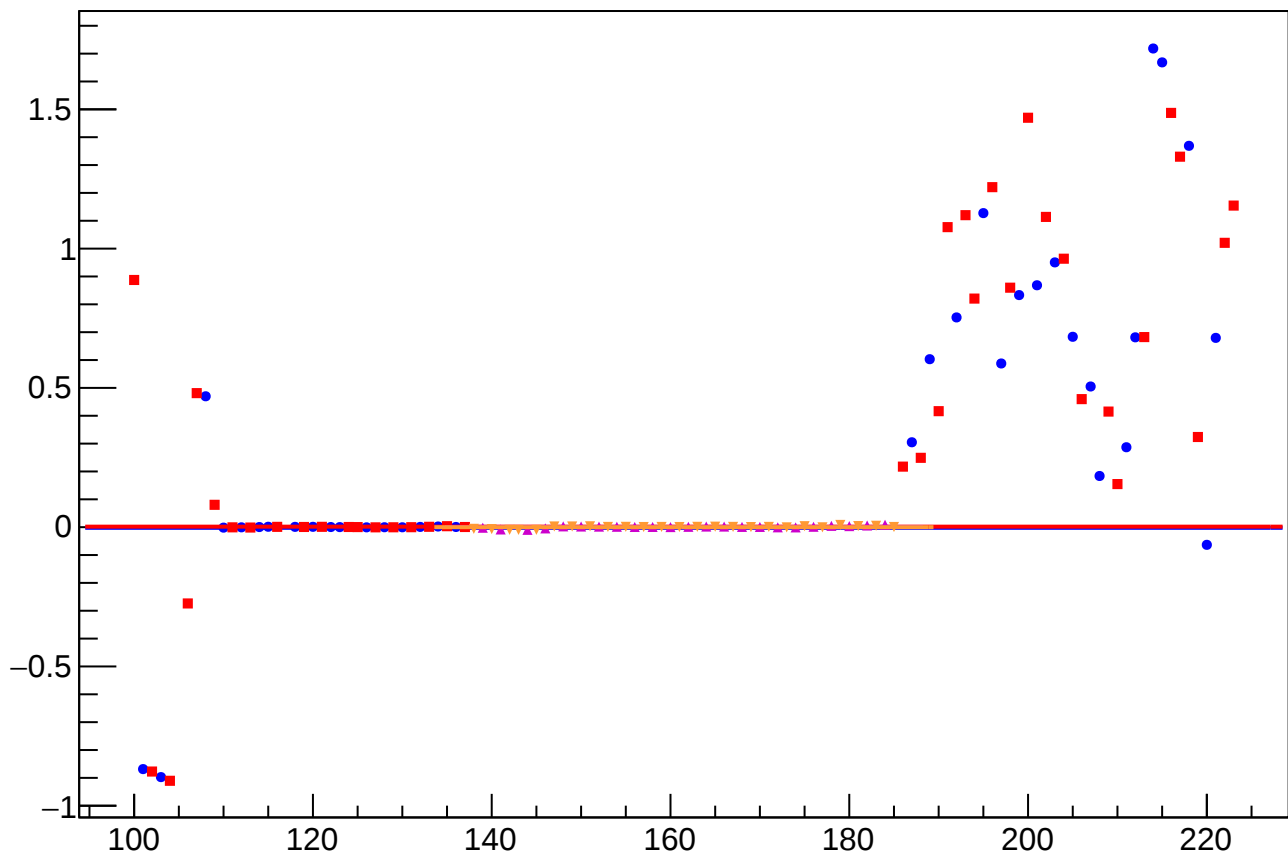
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 62893478.5/59

All: 0.000+/-0.000 χ^2/NDF : 125525732.6/121

- sign 0.000+/-0.000 χ^2/NDF : 62631110.4/61

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9798090609.9/34

Left Out: -0.000 ± 0.000 χ^2/NDF : 151482851.1/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3044451277.9/38

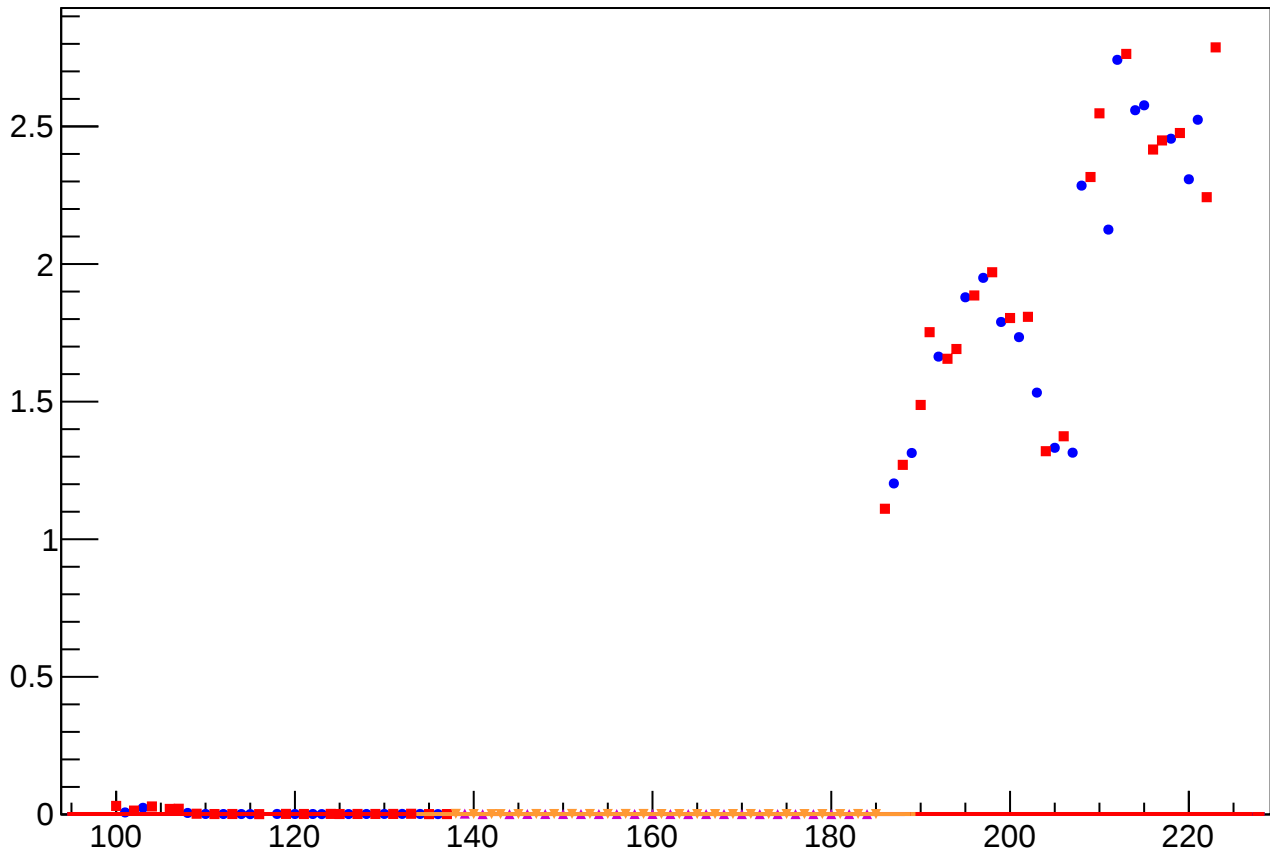
Left In: 0.001 ± 0.000 χ^2/NDF : 101439617.3/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9956102401.2/59

All: 0.000 ± 0.000 χ^2/NDF : 13111544617.9/100

- sign 0.001 ± 0.000 χ^2/NDF : 3147860842.9/61

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 27566077.9/34

Left Out: 0.001+/-0.000 χ^2/NDF :539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 29331142.6/38

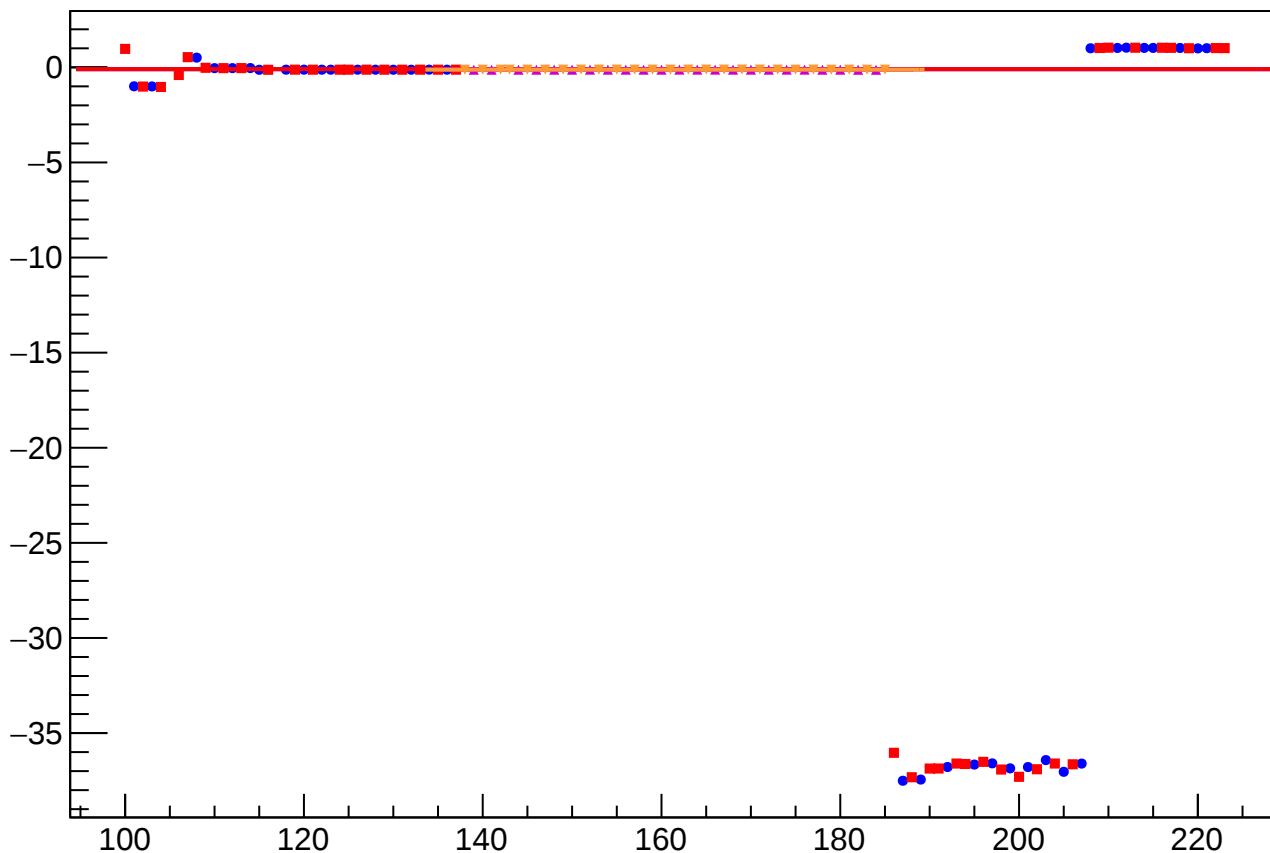
Left In: 0.001+/-0.000 χ^2/NDF :626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 28179631.9/59

All: 0.002+/-0.000 χ^2/NDF : 58257814.9/121

- sign 0.002+/-0.000 χ^2/NDF : 30069226.7/61

yield_cav4cY_mean vs Slug



Right In: -0.099 ± 0.000 $\chi^2/\text{NDF}: 114397147717.2/34$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58120109.3/24$

Right Out: -0.094 ± 0.000 $\chi^2/\text{NDF}: 117064583790.6/38$

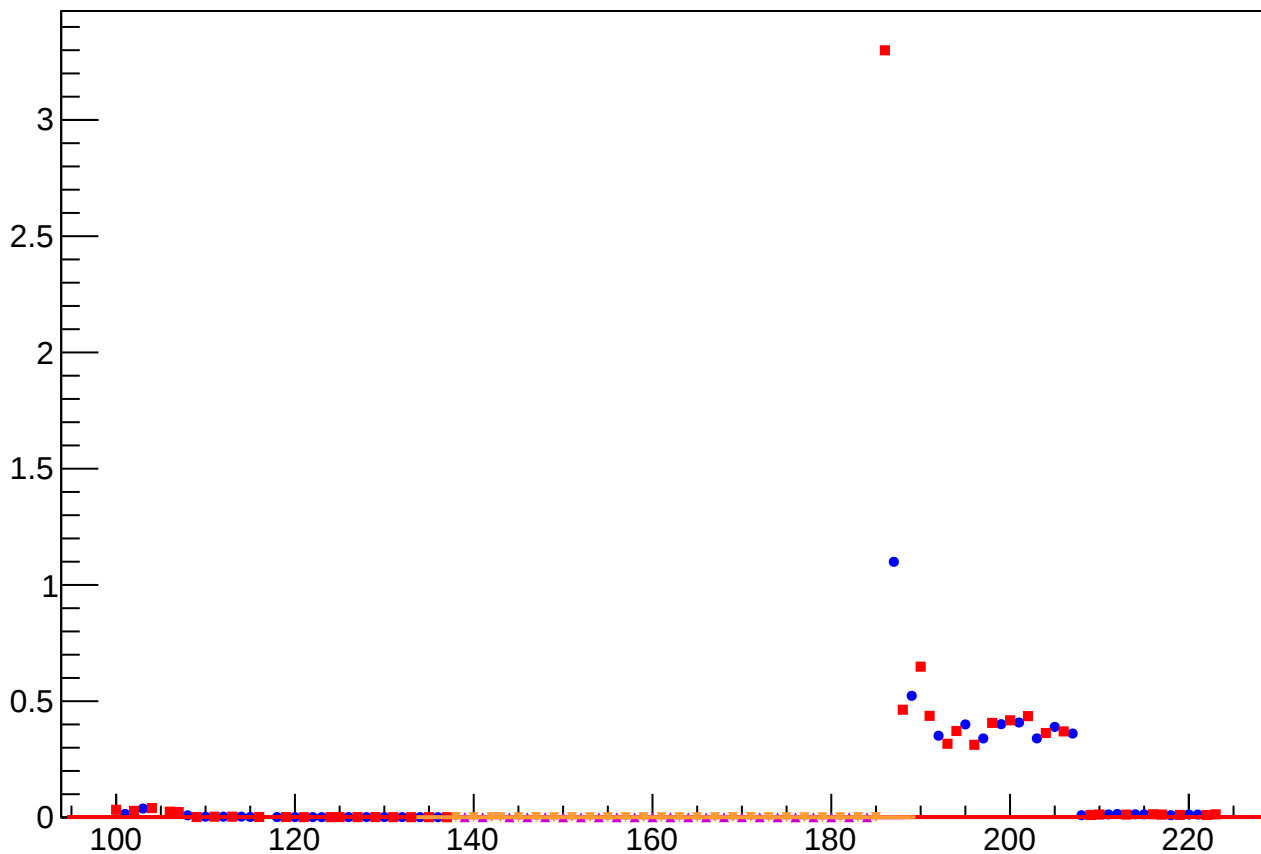
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 52113932.9/22$

+ sign -0.119 ± 0.000 $\chi^2/\text{NDF}: 115341557652.8/59$

All: -0.118 ± 0.000 $\chi^2/\text{NDF}: 233742010197.5$

- sign -0.118 ± 0.000 $\chi^2/\text{NDF}: 118394442775.2/61$

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 24706951.7/34

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 26401997.3/38

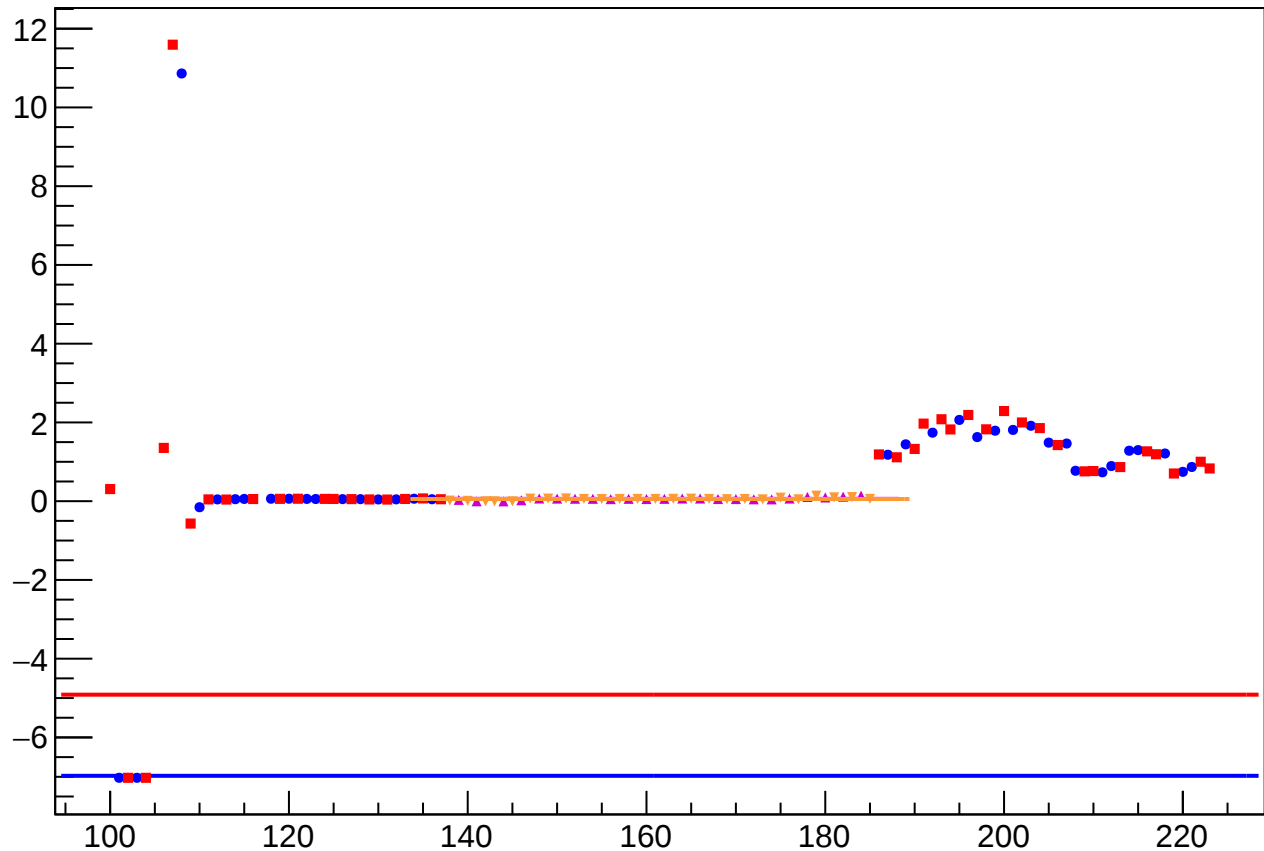
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 28329315.3/59

All: 0.001+/-0.000 χ^2/NDF : 57822532.1/121

- sign 0.001+/-0.000 χ^2/NDF : 29491117.5/61

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8798210752520.0/34

Left Out: 0.055 ± 0.000 χ^2/NDF : 243682351.4/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365353122858620.5/38

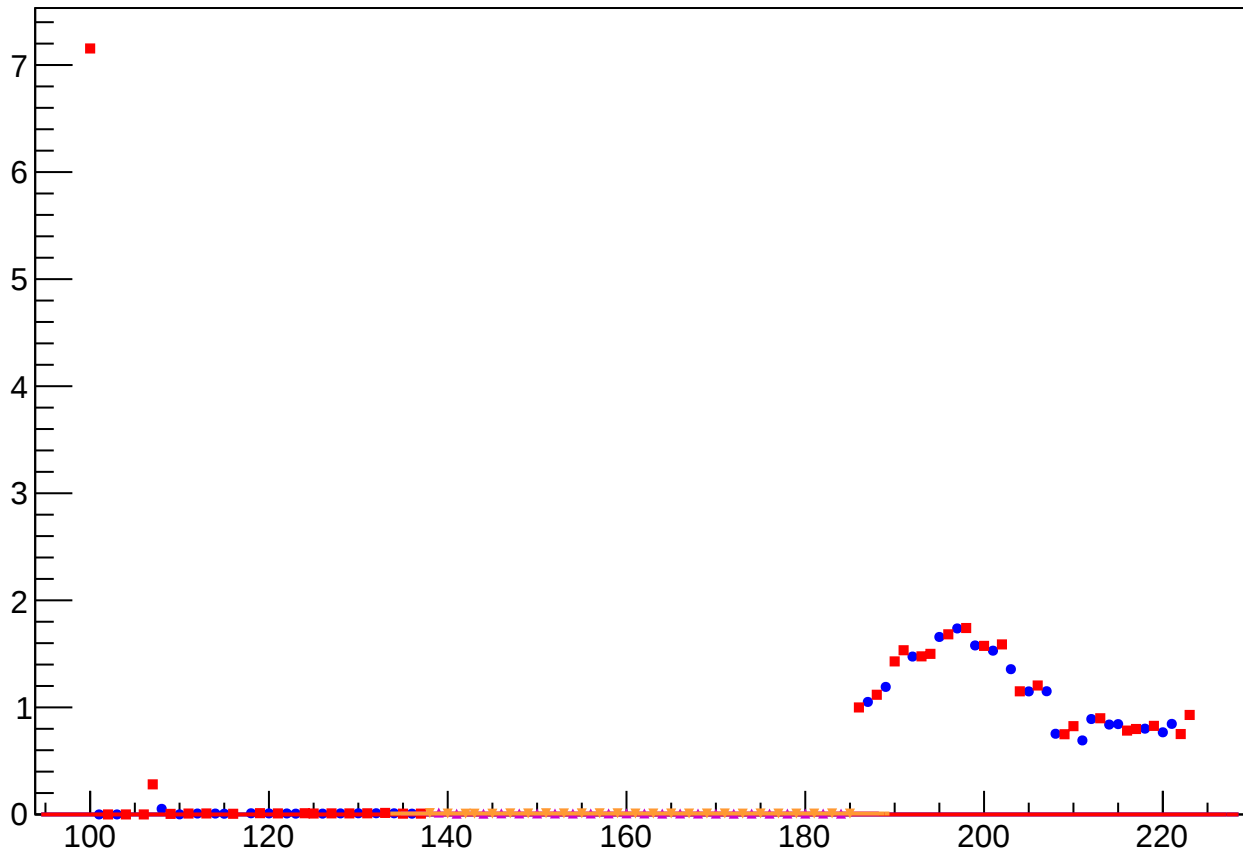
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18424514817047.7/34

All: -5.858 ± 0.000 χ^2/NDF : 4435298173502.0/34

- sign -4.882 ± 0.000 χ^2/NDF : 369732139438863.5/34

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 34021102.8/34

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 35123824.1/38

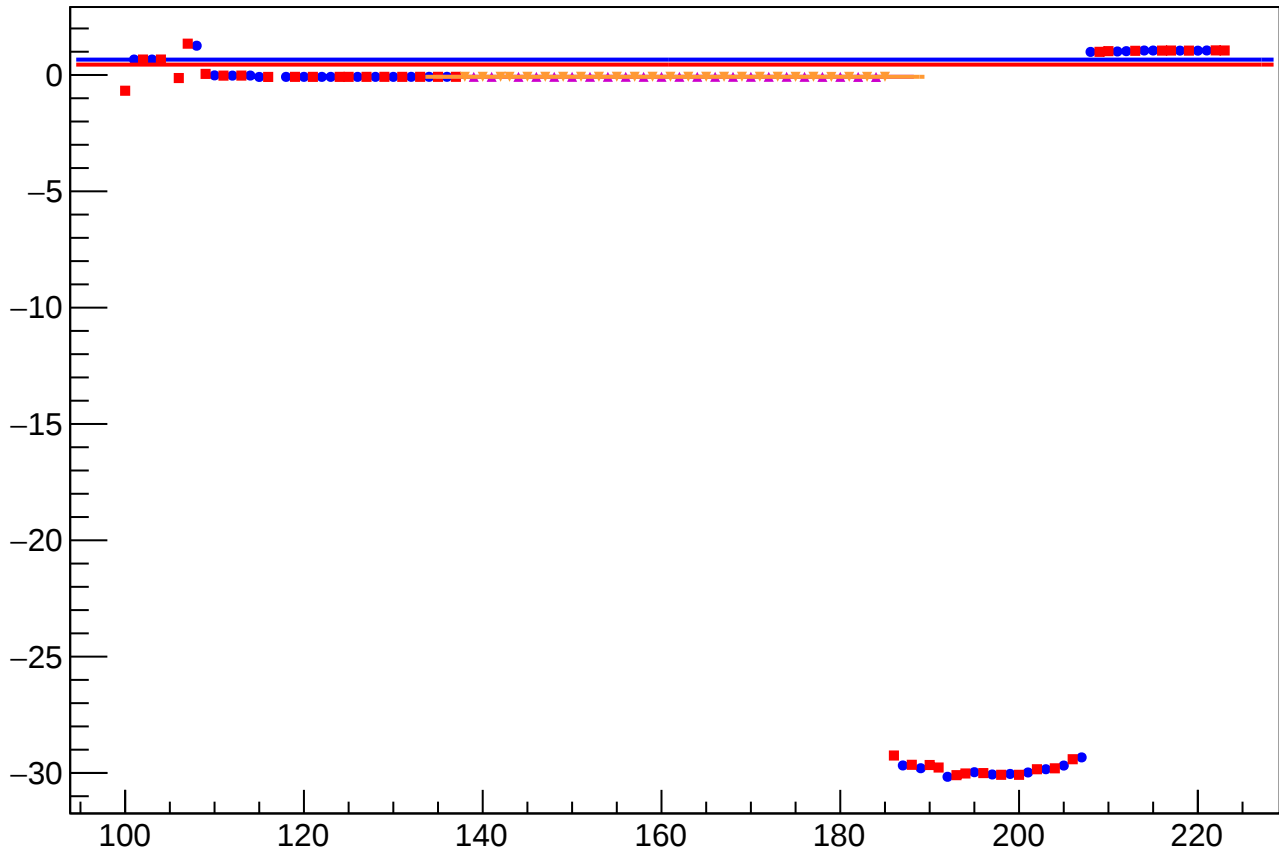
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 62920825.1/59

All: 0.000+/-0.000 χ^2/NDF : 125503731.2/123

- sign 0.000+/-0.000 χ^2/NDF : 62578054.4/61

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5723997724419.7/34

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156404795.7/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405500724336944.8/38

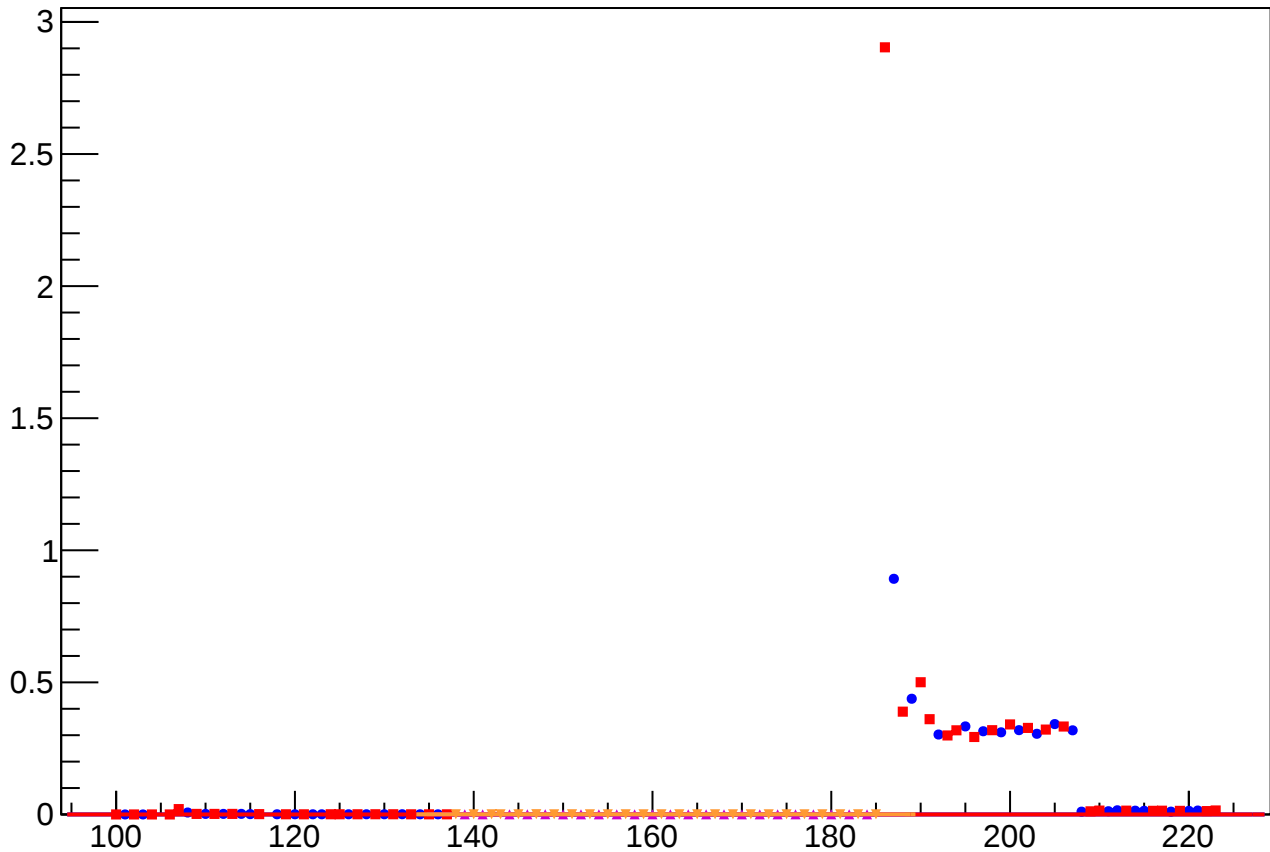
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 110762924.1/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35823171780310.8/5

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51598320483843

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419623073721156.0/5

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 35206865.4/34

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 35617565.1/38

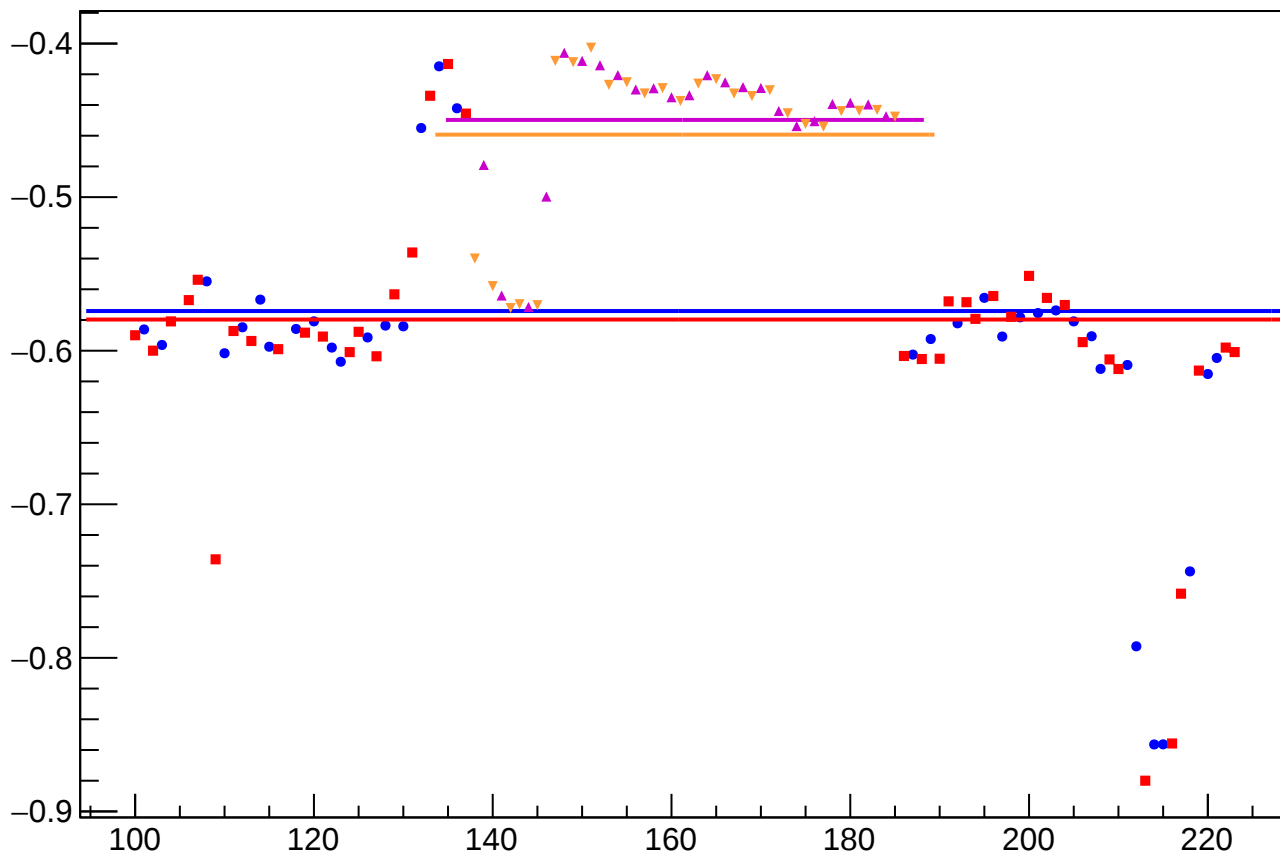
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 67740019.3/59

All: 0.000+/-0.000 χ^2/NDF : 134142820.5/121

- sign 0.000+/-0.000 χ^2/NDF : 66394694.0/61

yield_bpm4aX_mean vs Slug



Right In: -0.574 $\pm$ 0.000 χ^2 /NDF: 115340938.5/34

Left Out: -0.459 $\pm$ 0.000 χ^2 /NDF: 113602161.0/24

Right Out: -0.580 $\pm$ 0.000 χ^2 /NDF: 120283792.3/38

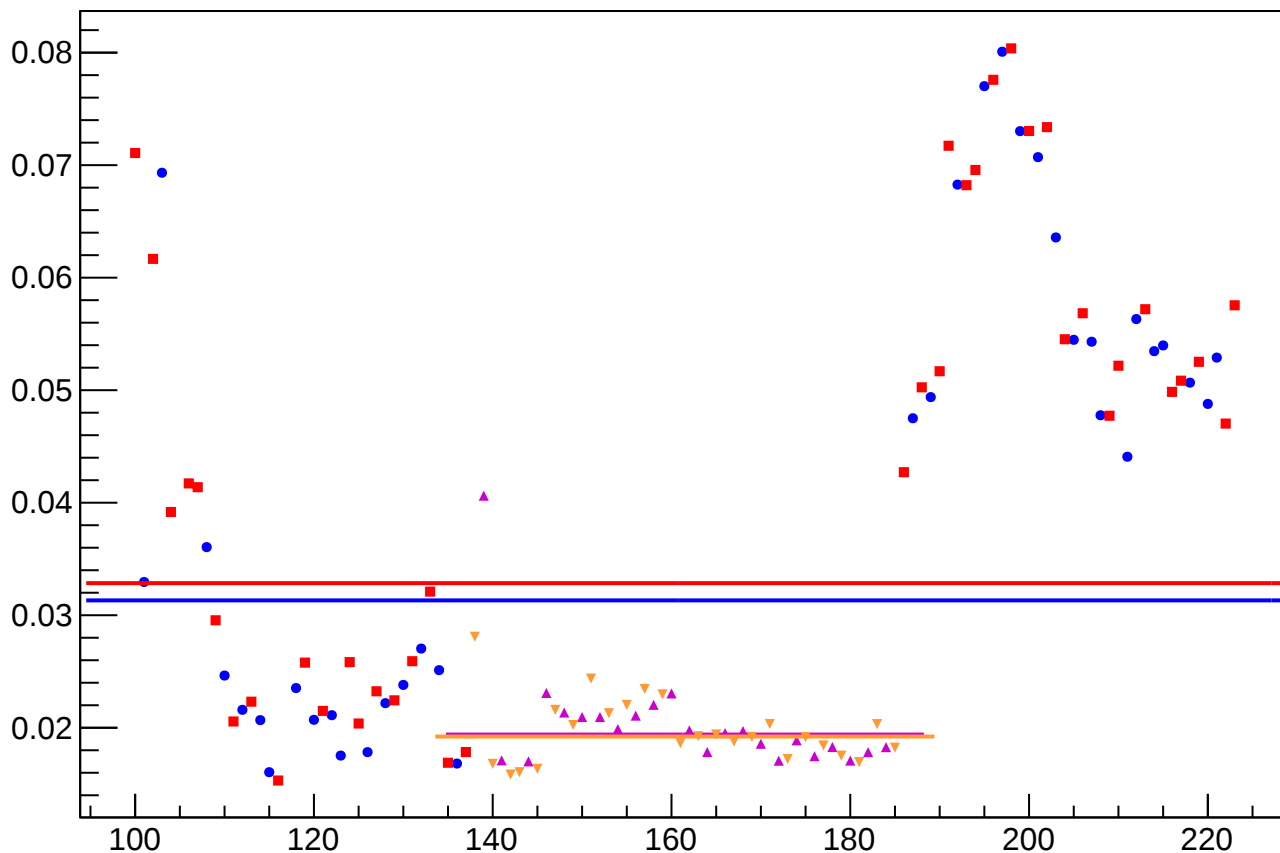
Left In: -0.450 $\pm$ 0.000 χ^2 /NDF: 76117957.8/22

+ sign -0.490 $\pm$ 0.000 χ^2 /NDF: 369845111.8/59

All: -0.488 $\pm$ 0.000 χ^2 /NDF: 737864738.9/12

- sign -0.485 $\pm$ 0.000 χ^2 /NDF: 367447995.6/61

yield_bpm4aX_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 8303150.2/34

Left Out: 0.019+/-0.000 χ^2/NDF : 501711.6/24

Right Out: 0.033+/-0.000 χ^2/NDF : 8087861.9/38

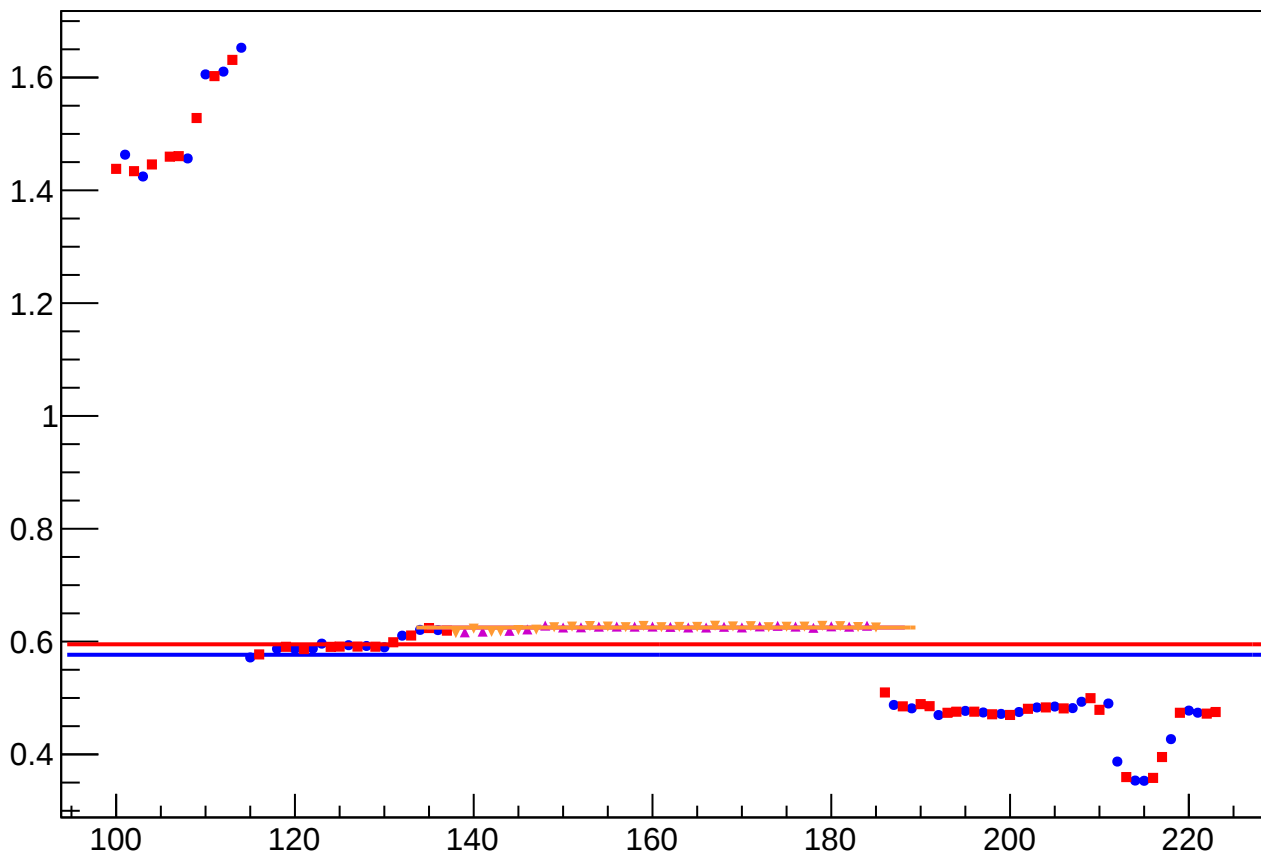
Left In: 0.019+/-0.000 χ^2/NDF : 626443.5/22

+ sign 0.022+/-0.000 χ^2/NDF : 11932266.9/59

All: 0.023+/-0.000 χ^2/NDF : 24334466.1/121

- sign 0.023+/-0.000 χ^2/NDF : 12381223.8/61

yield_bpm4aY_mean vs Slug



Right In: 0.577 $\pm$ 0.000 χ^2 /NDF: 5642233339.9/34

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.595 $\pm$ 0.000 χ^2 /NDF: 6686897146.2/38

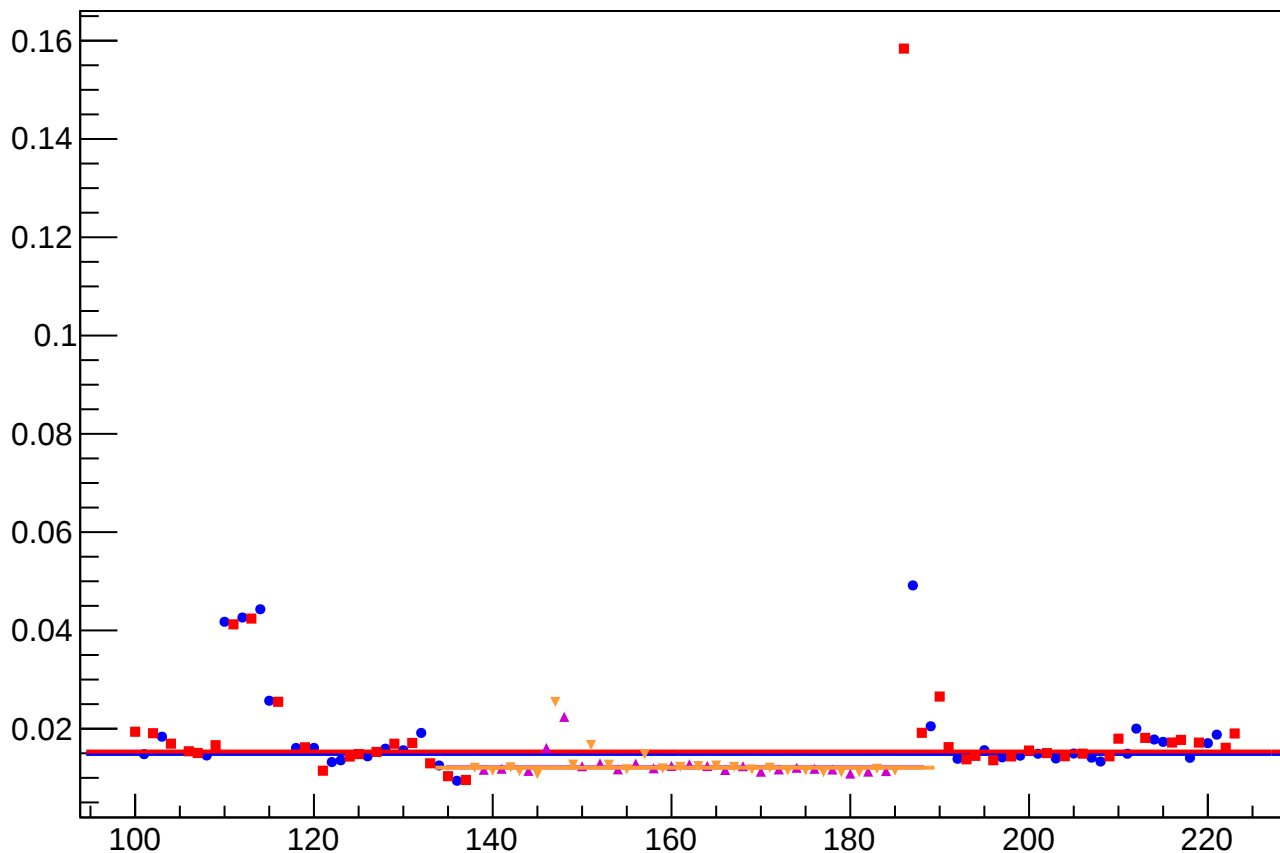
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.605 $\pm$ 0.000 χ^2 /NDF: 5757367709.2/59

All: 0.609 $\pm$ 0.000 χ^2 /NDF: 12491425413.2/1

- sign 0.613 $\pm$ 0.000 χ^2 /NDF: 6728964907.2/61

yield_bpm4aY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1954980.3/34

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2261953.3/38

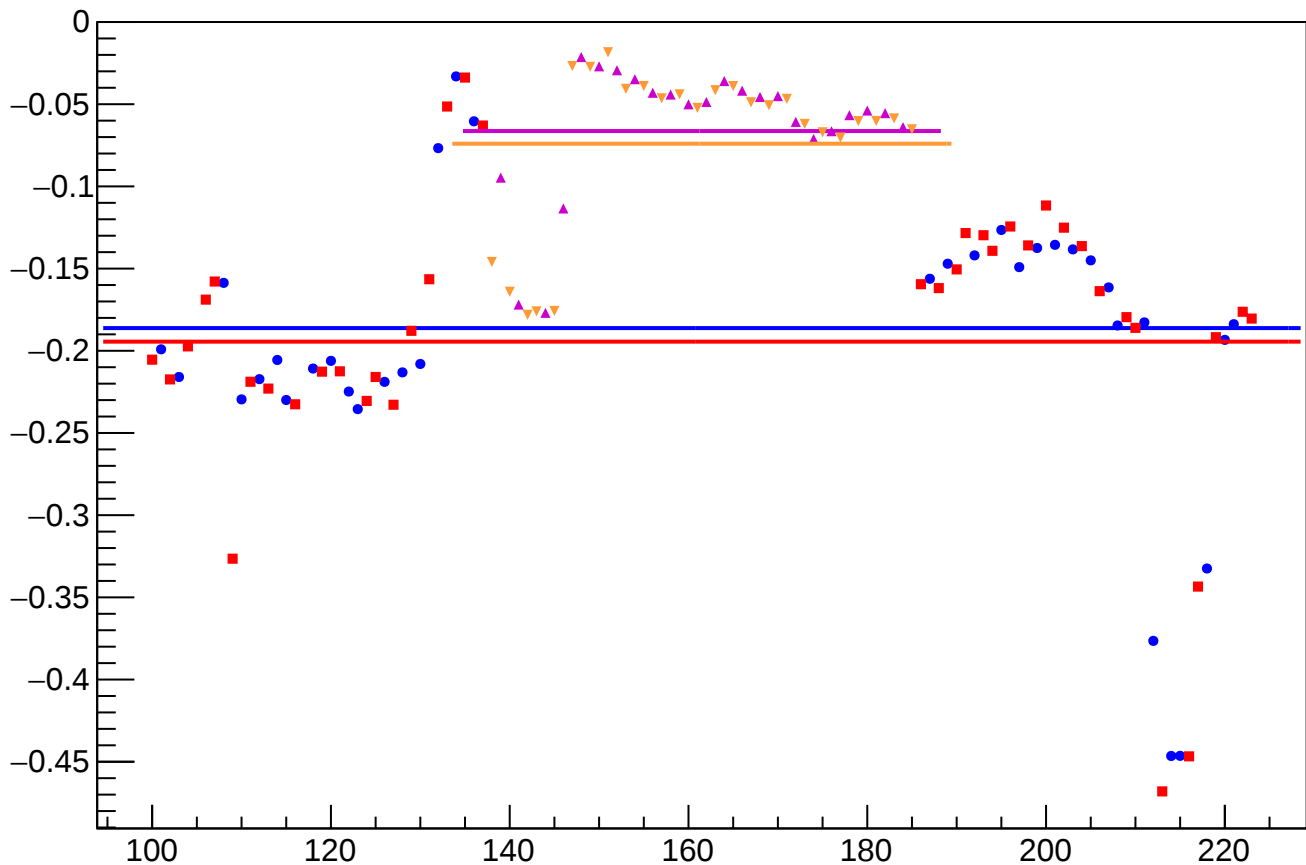
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3375854.0/59

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 7101148.0/121

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3712204.2/61

yield_bpm4eX_mean vs Slug



Right In: -0.186+/-0.000 χ^2/NDF : 127720527.3/34

Left Out: -0.074+/-0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.194+/-0.000 χ^2/NDF : 134594415.2/38

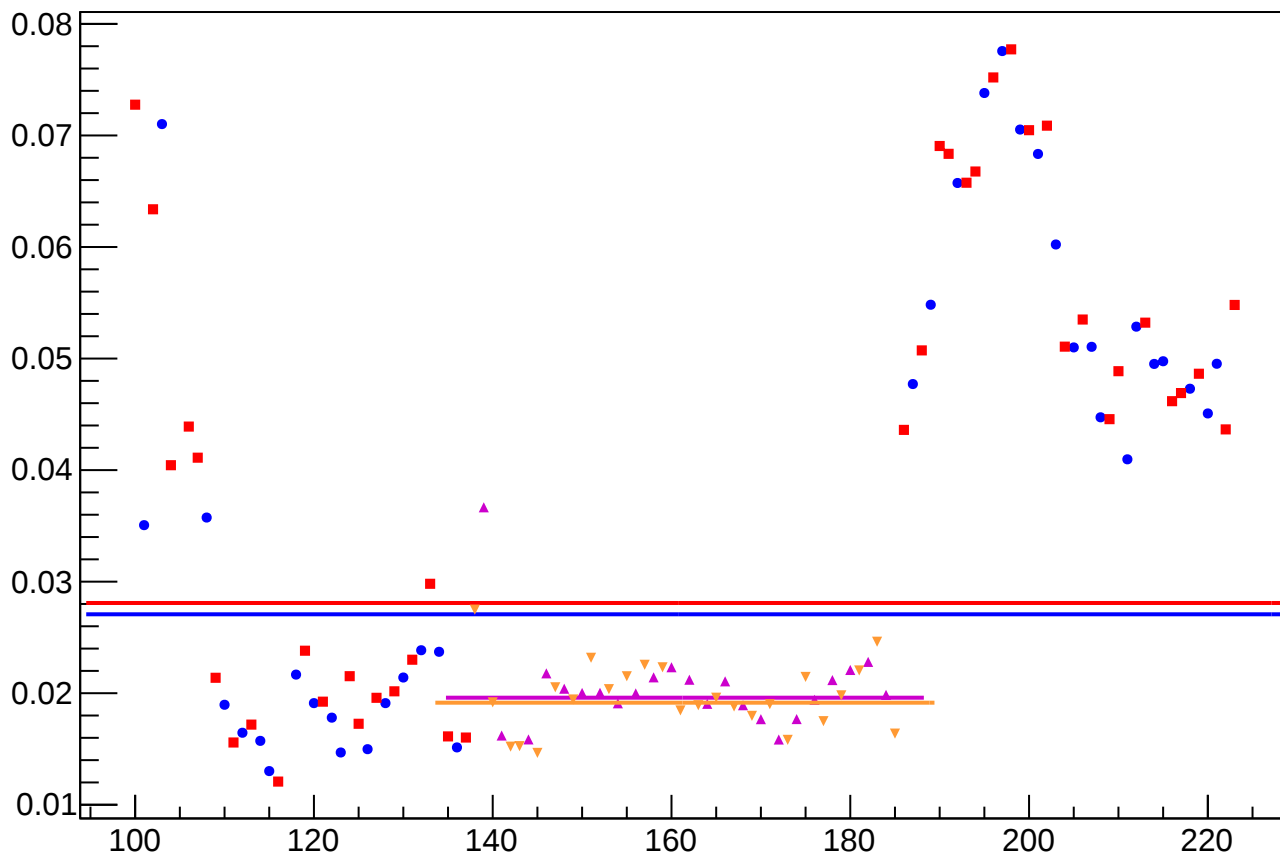
Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

+ sign -0.109+/-0.000 χ^2/NDF : 395889040.1/59

All: -0.108+/-0.000 χ^2/NDF : 804875678.9/12

- sign -0.108+/-0.000 χ^2/NDF : 408966396.5/61

yield_bpm4eX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 9764883.5/34

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 641277.0/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9939861.3/38

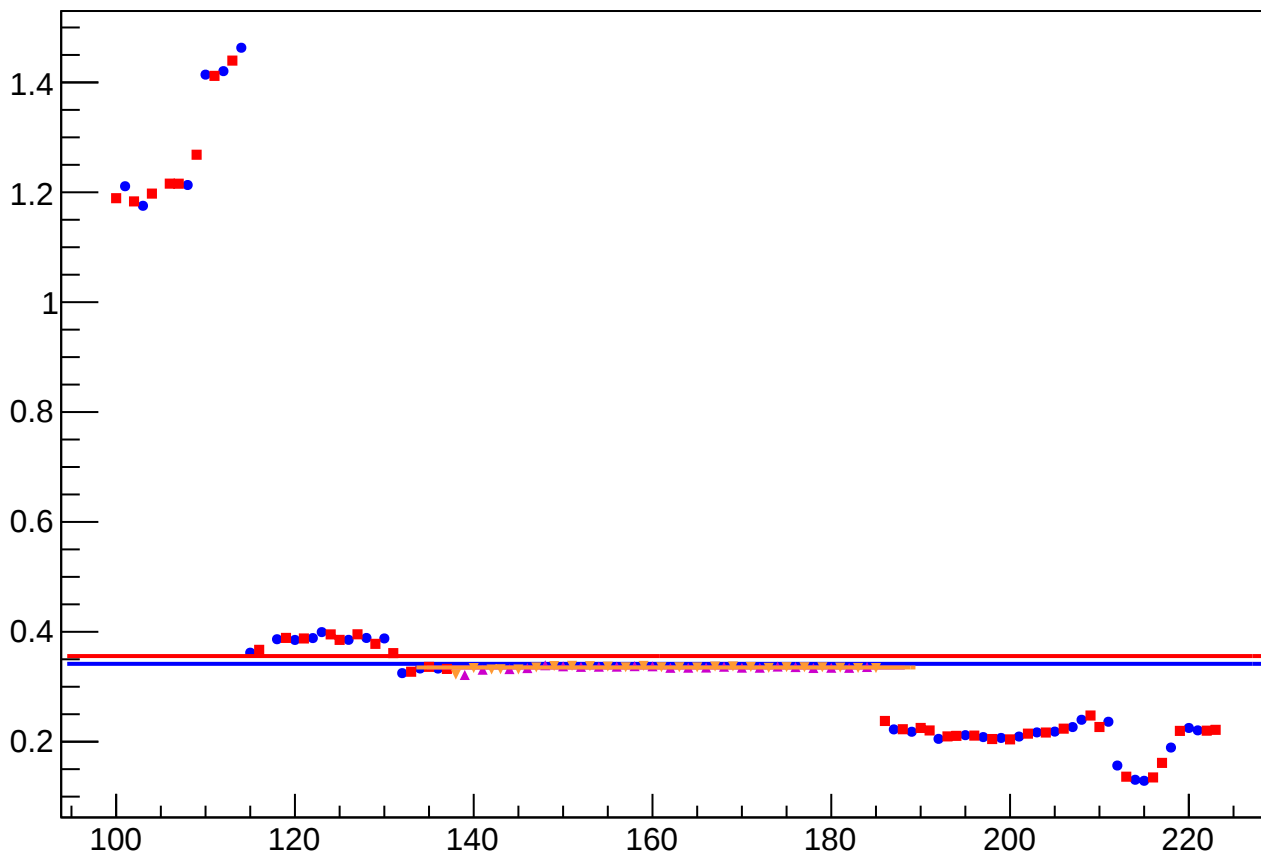
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 623148.2/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12008210.2/59

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 24343617.9/121

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12303232.5/61

yield_bpm4eY_mean vs Slug



Right In: 0.342 $\pm$ 0.000 χ^2 /NDF: 8131379959.2/34

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1154310.3/24

+ sign 0.338 $\pm$ 0.000 χ^2 /NDF: 8135111112.1/59

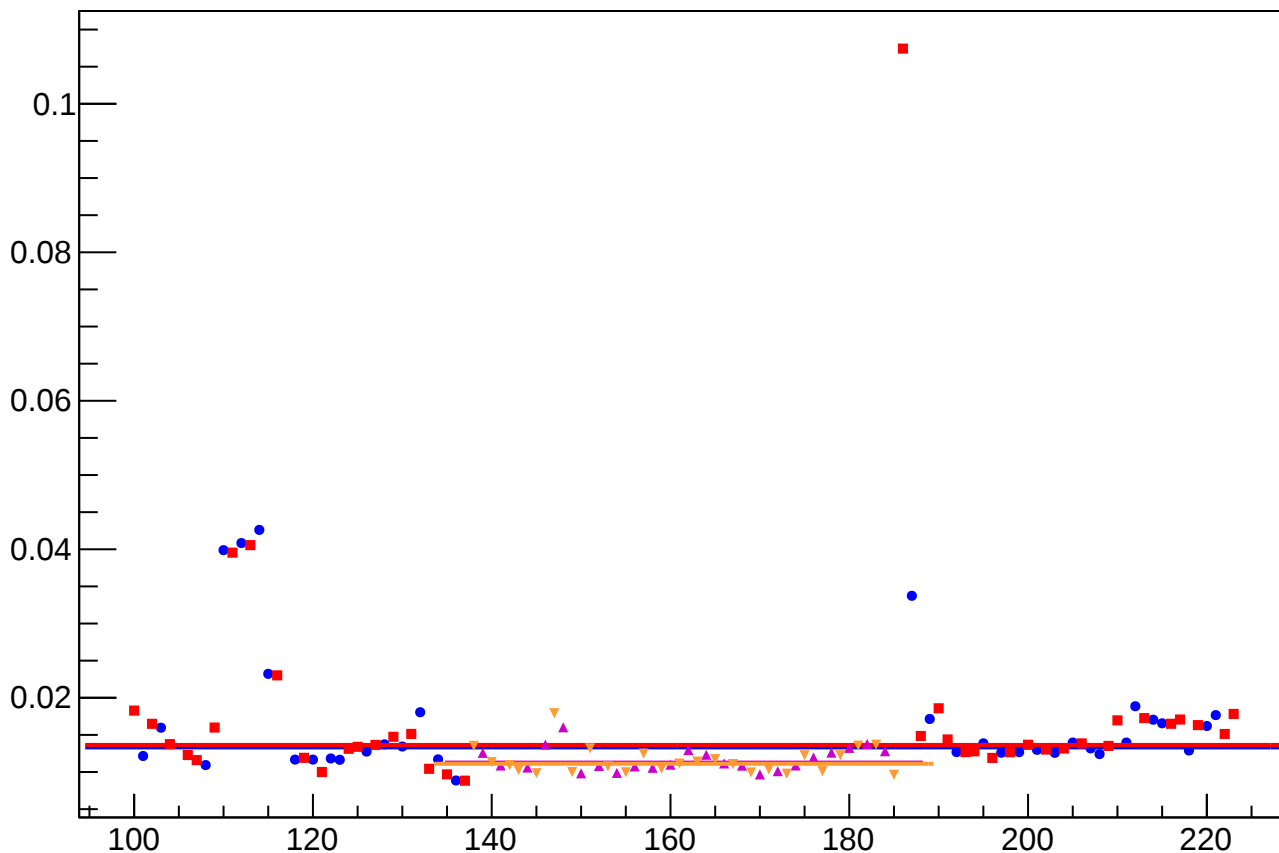
Right Out: 0.356 $\pm$ 0.000 χ^2 /NDF: 9218046726.9/38

All: 0.341 $\pm$ 0.000 χ^2 /NDF: 17383259726.0/1

- sign 0.344 $\pm$ 0.000 χ^2 /NDF: 9243646238.8/61

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1202194.8/22

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1992608.1/34

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 607532.0/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2310833.1/38

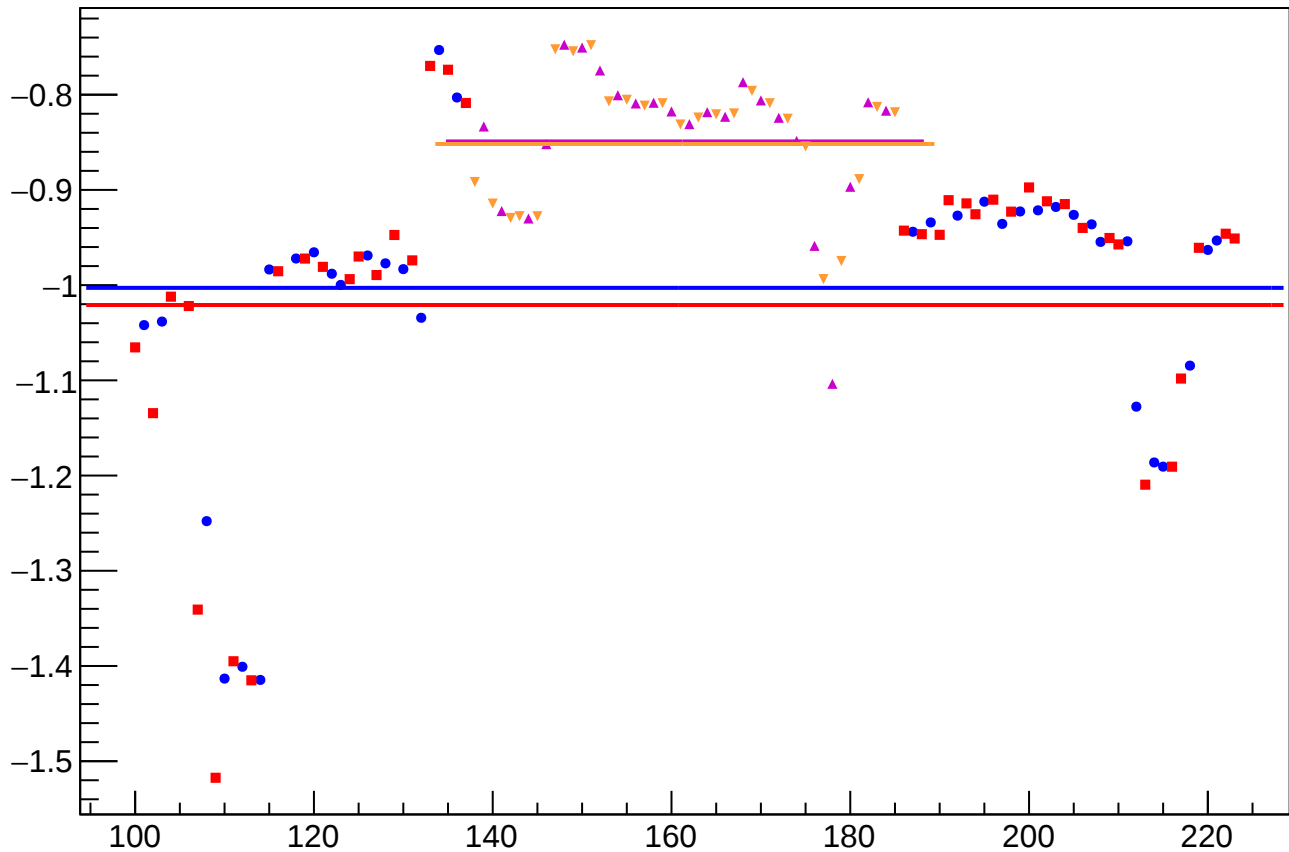
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 502455.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3174790.3/59

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 6639085.2/121

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3447409.4/61

yield_bpm4acX_mean vs Slug



Right In: -1.003 ± 0.000 χ^2/NDF : 430650980.5/34

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.021 ± 0.000 χ^2/NDF : 581995243.4/38

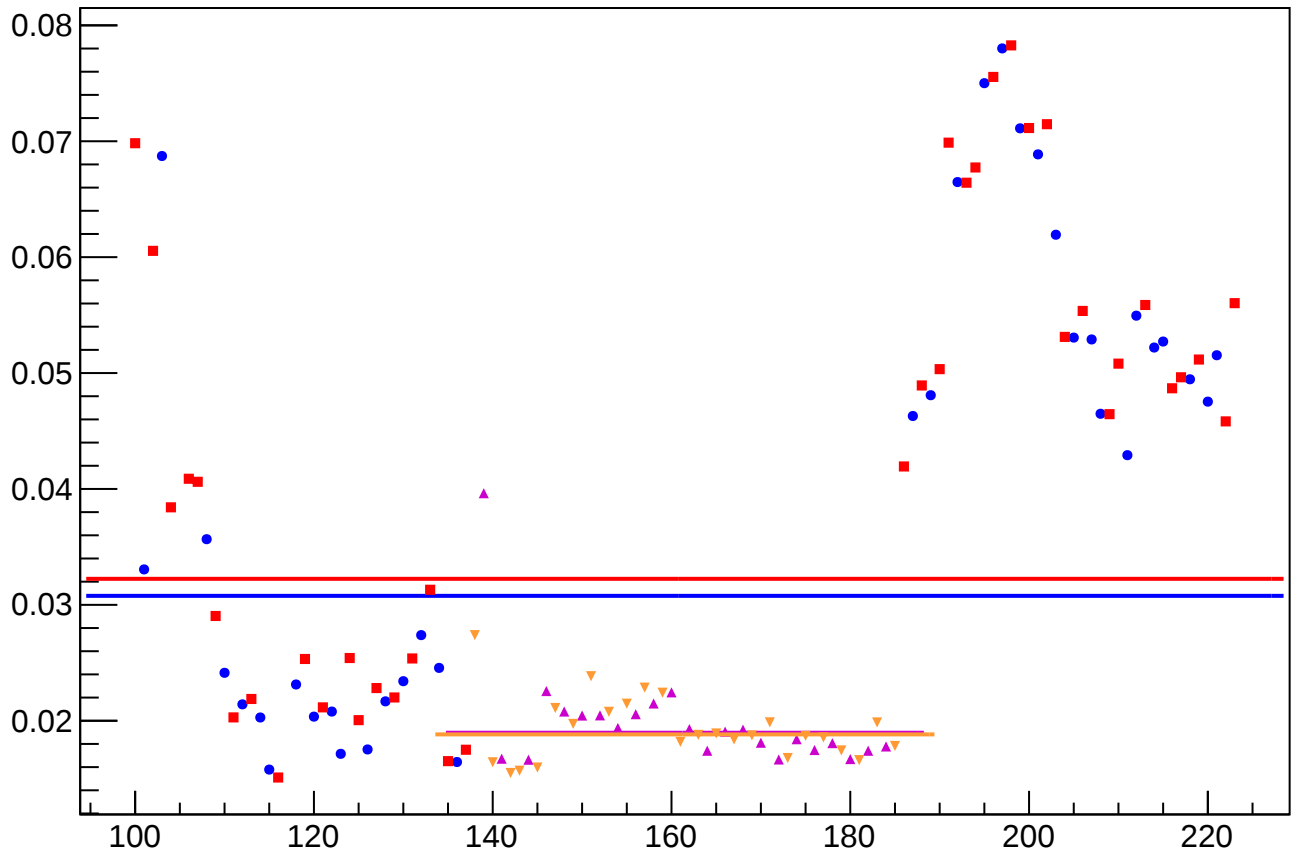
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.892 ± 0.000 χ^2/NDF : 873331840.6/59

All: -0.894 ± 0.000 χ^2/NDF : 2023430477.0/1

- sign -0.896 ± 0.000 χ^2/NDF : 1149669541.8/61

yield_bpm4acX_rms vs Slug



Right In: 0.031 $\pm$ 0.000 χ^2 /NDF: 8219757.6/34

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490509.4/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 7988712.6/38

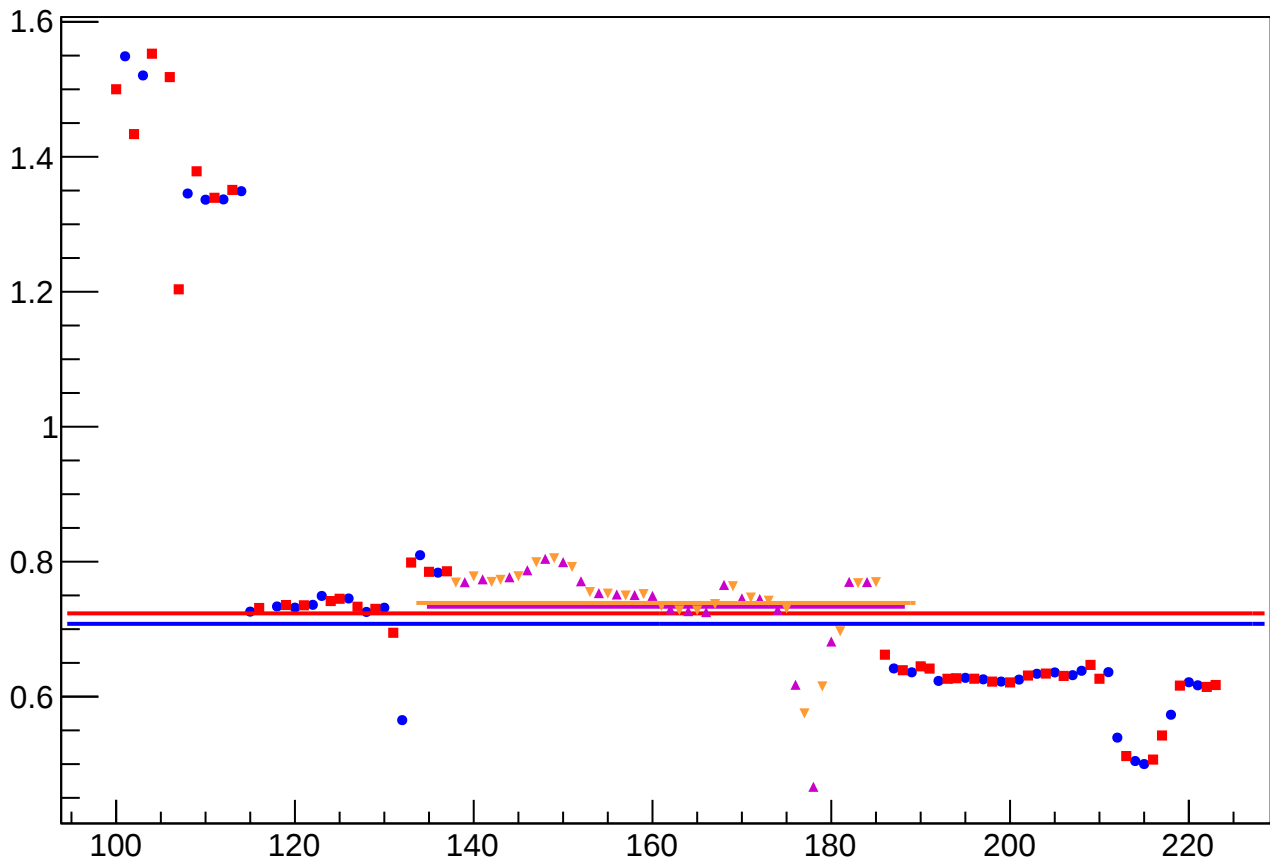
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 615173.8/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11883911.3/59

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 24226852.8/121

- sign 0.023 $\pm$ 0.000 χ^2 /NDF: 12324286.9/61

yield_bpm4acY_mean vs Slug



Right In: 0.708 $\pm$ 0.000 χ^2 /NDF: 3945119288.1/34

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

Right Out: 0.723 $\pm$ 0.000 χ^2 /NDF: 4268433517.5/38

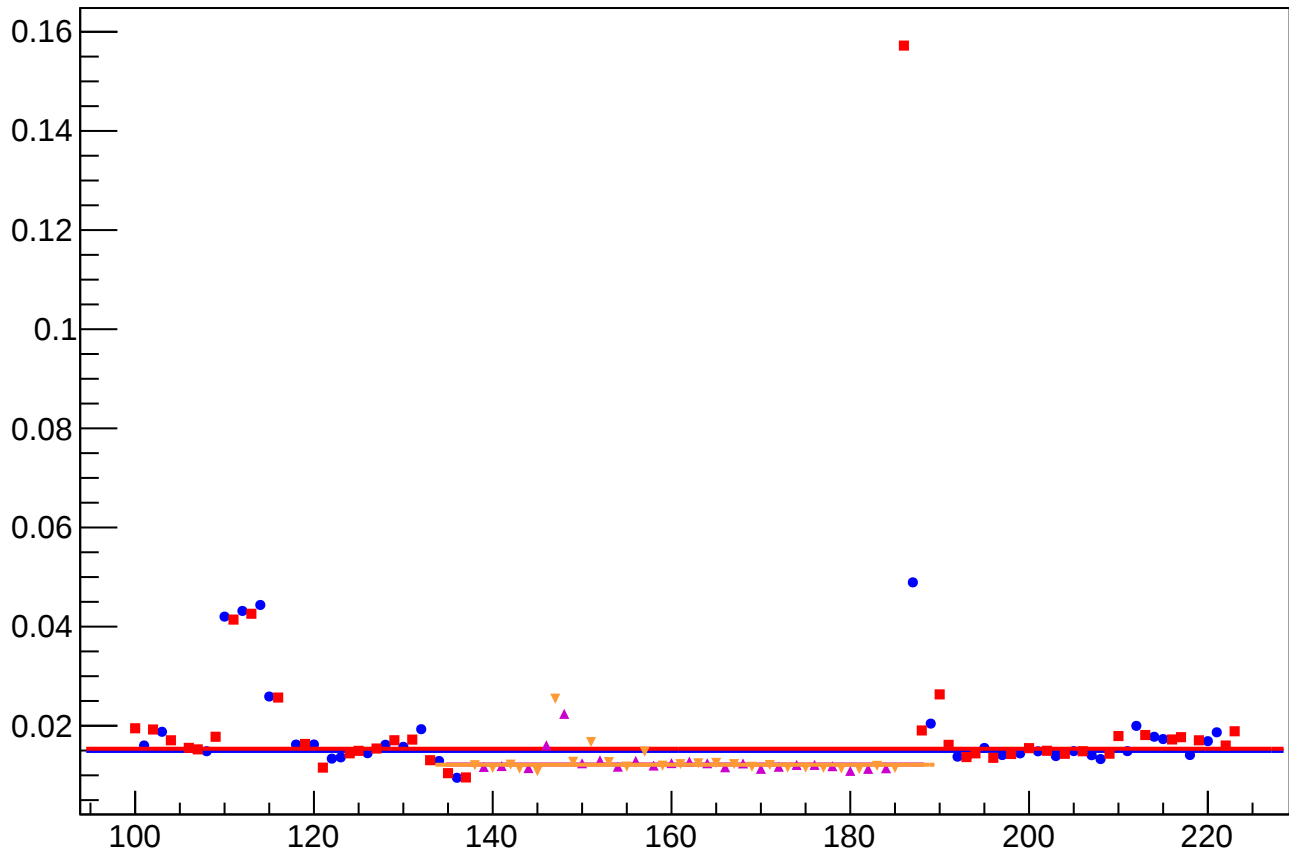
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

+ sign 0.726 $\pm$ 0.000 χ^2 /NDF: 4324391941.7/59

All: 0.728 $\pm$ 0.000 χ^2 /NDF: 9167700228.4/12

- sign 0.729 $\pm$ 0.000 χ^2 /NDF: 4842529367.1/61

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1939261.6/34

Left Out: 0.012+/-0.000 χ^2/NDF : 637986.2/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2257858.3/38

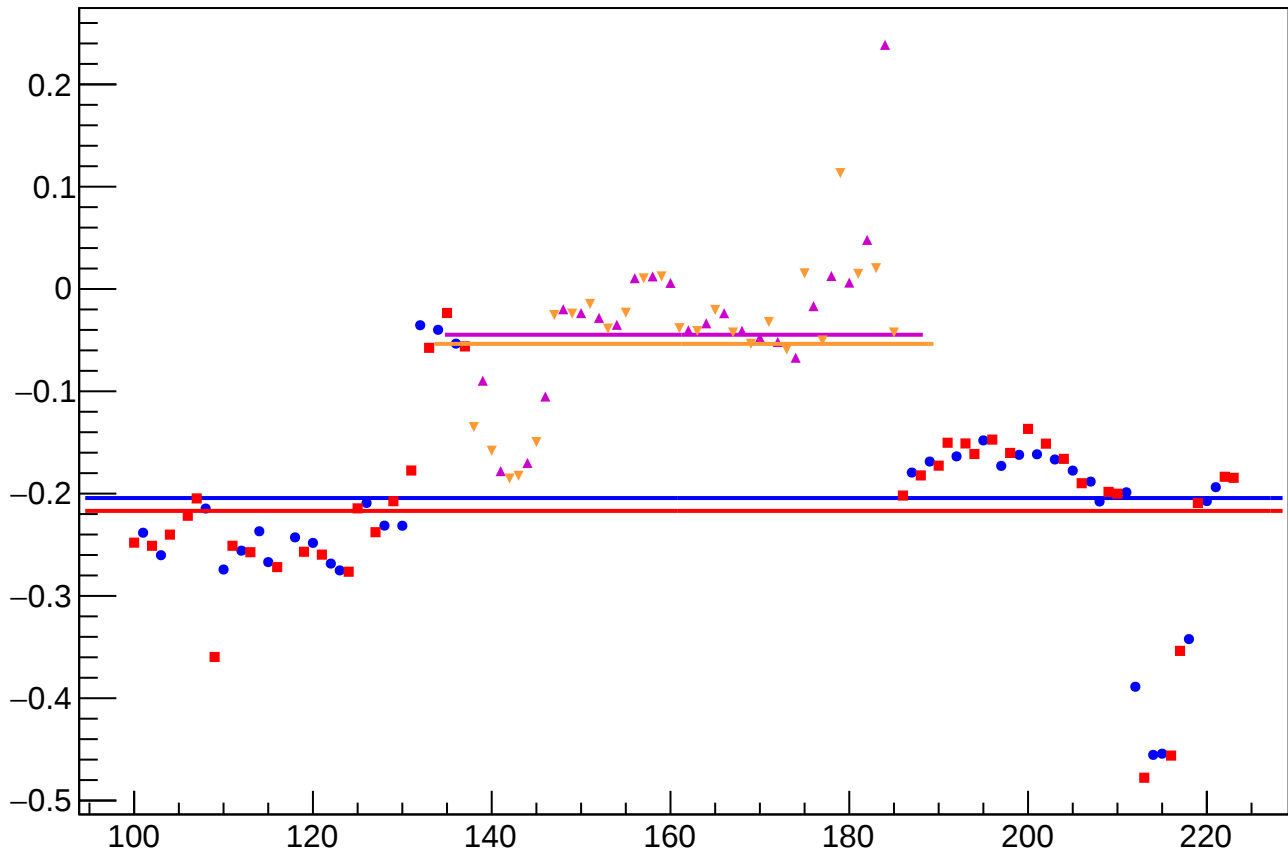
Left In: 0.012+/-0.000 χ^2/NDF : 481830.1/22

+ sign 0.013+/-0.000 χ^2/NDF : 3323980.6/59

All: 0.013+/-0.000 χ^2/NDF : 7007061.4/121

- sign 0.013+/-0.000 χ^2/NDF : 3672183.6/61

yield_bpm4ecX_mean vs Slug



Right In: -0.204+/-0.000 χ^2/NDF : 160452168.4/34

Left Out: -0.054+/-0.000 χ^2/NDF : 167834173.6/24

Right Out: -0.217+/-0.000 χ^2/NDF : 156847924.2/38

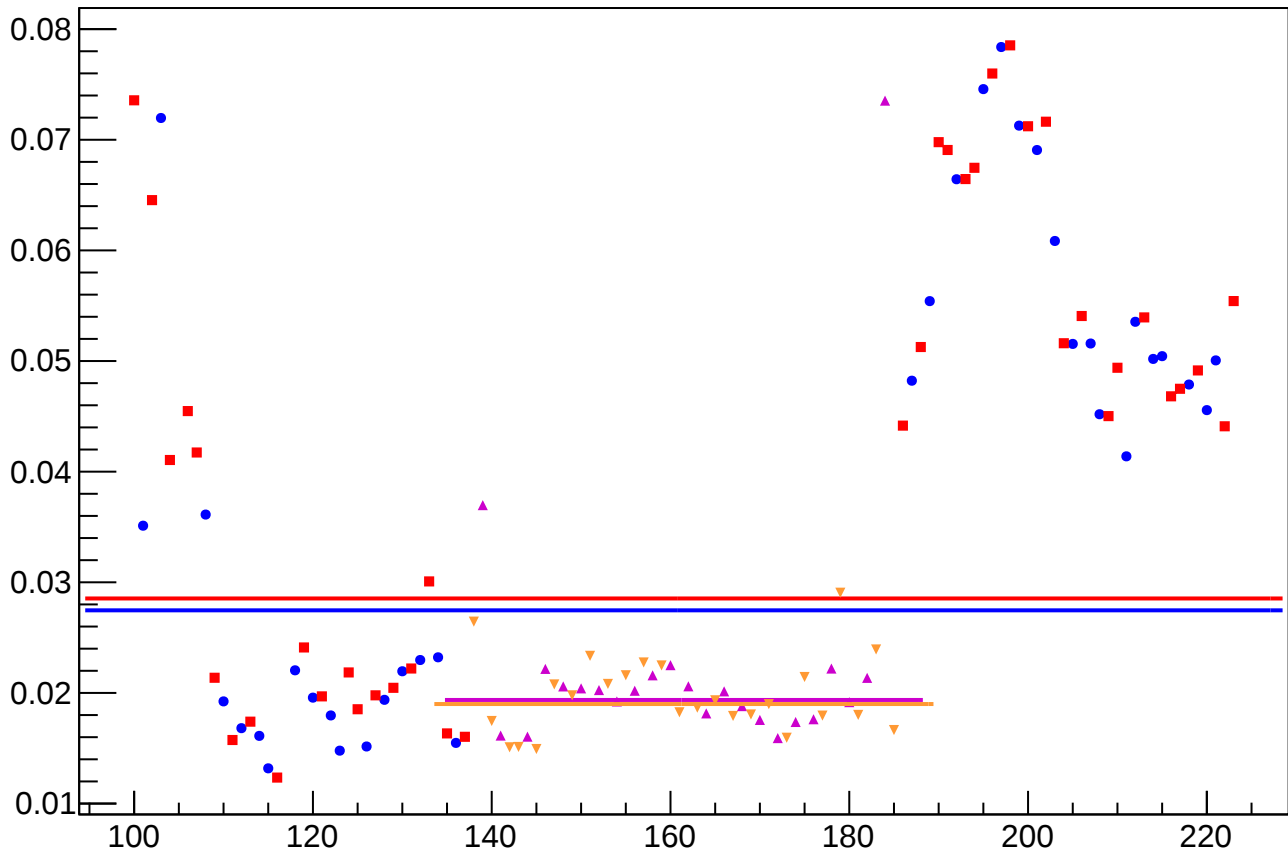
Left In: -0.045+/-0.000 χ^2/NDF : 127192425.2/22

+ sign -0.100+/-0.000 χ^2/NDF : 611273488.0/59

All: -0.100+/-0.000 χ^2/NDF : 1245338436.1/1

- sign -0.100+/-0.000 χ^2/NDF : 634062596.9/61

yield_bpm4ecX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 9693347.3/34

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.029 $\pm$ 0.000 χ^2 /NDF: 9868715.2/38

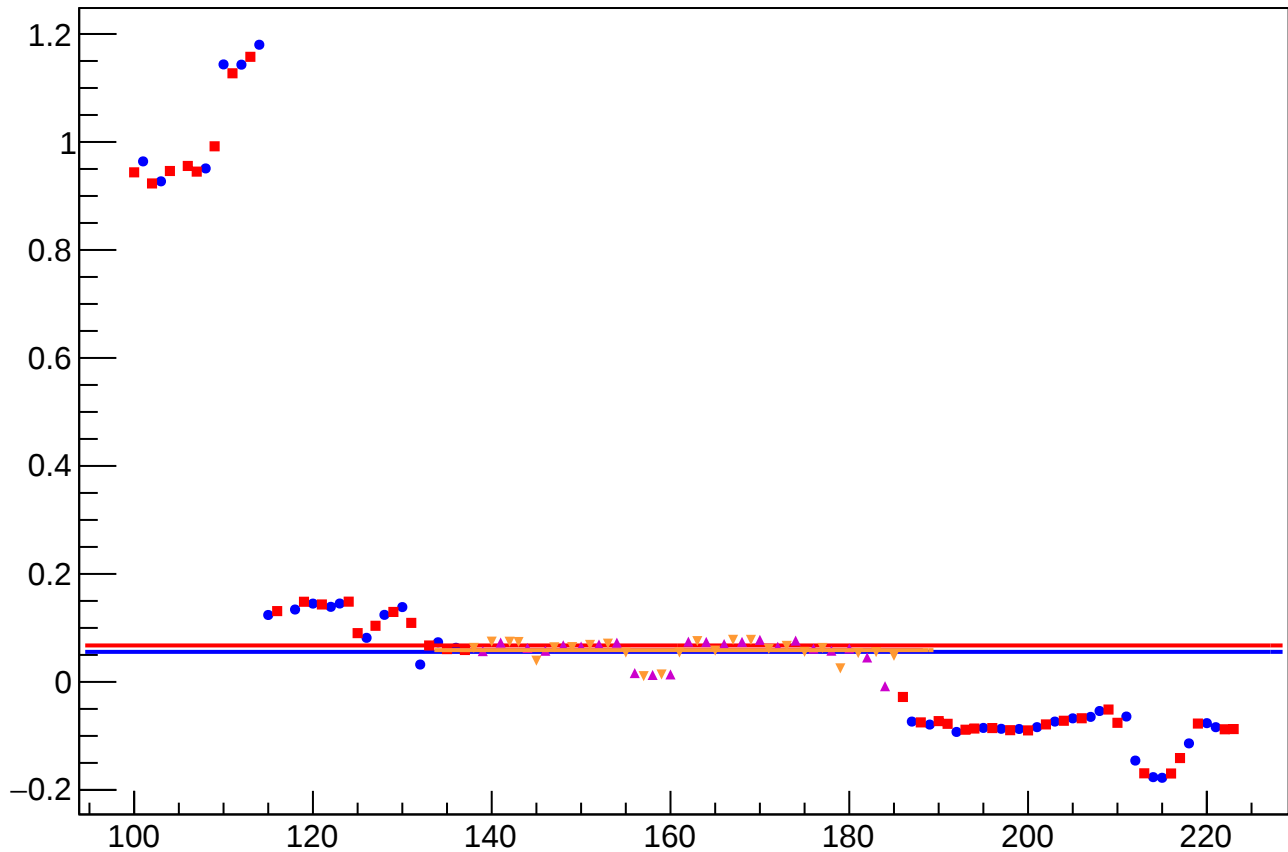
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12181594.9/59

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 24922573.9/121

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12713923.9/61

yield_bpm4ecY_mean vs Slug



Right In: 0.056 $\pm$ 0.000 χ^2 /NDF: 8907225258.9/34

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46821236.8/24

+ sign 0.058 $\pm$ 0.000 χ^2 /NDF: 8954658307.7/59

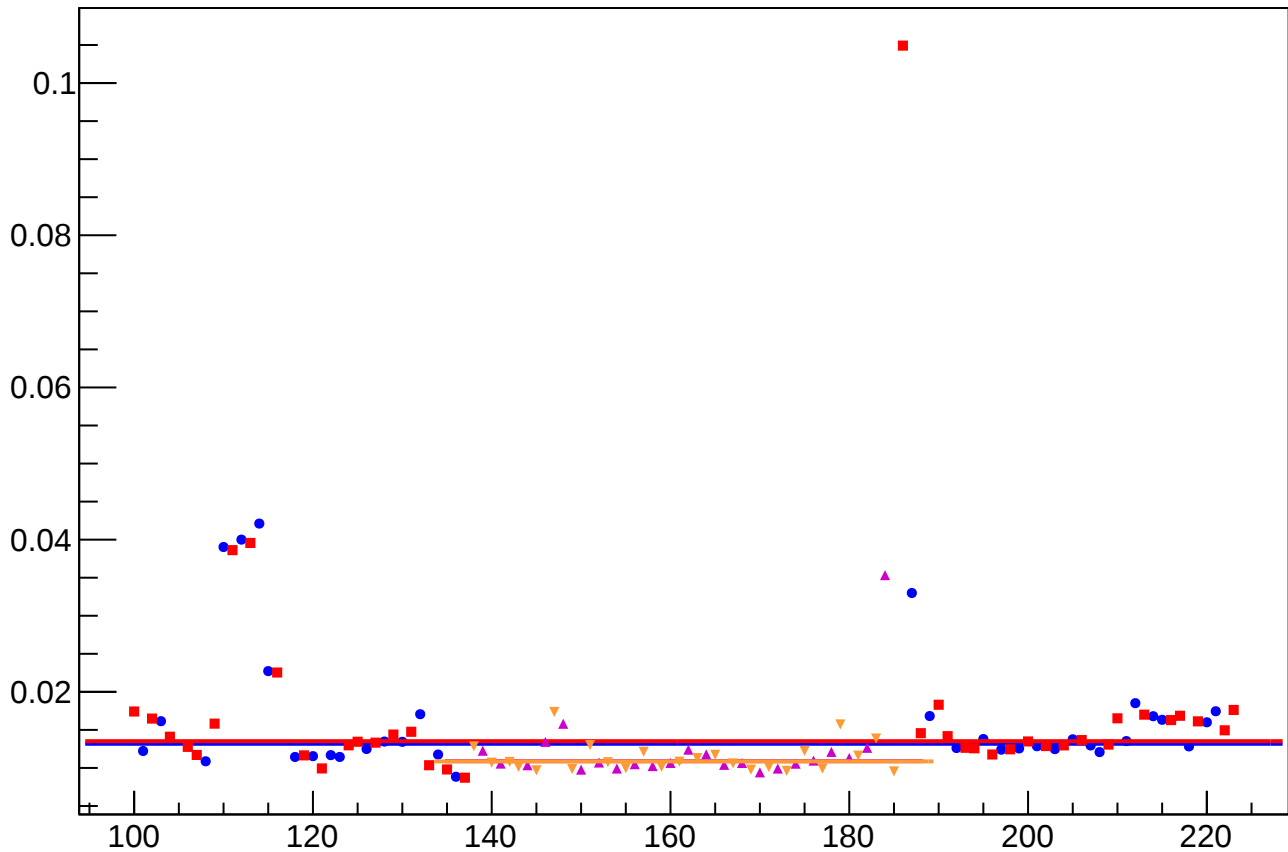
Right Out: 0.068 $\pm$ 0.000 χ^2 /NDF: 9831798479.1/38

All: 0.060 $\pm$ 0.000 χ^2 /NDF: 18852366619.2/1

- sign 0.063 $\pm$ 0.000 χ^2 /NDF: 9894463687.1/61

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 : 1942974.2/34

Left Out: 0.011+/-0.000 χ^2/NDF : 604787.9/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2247663.3/38

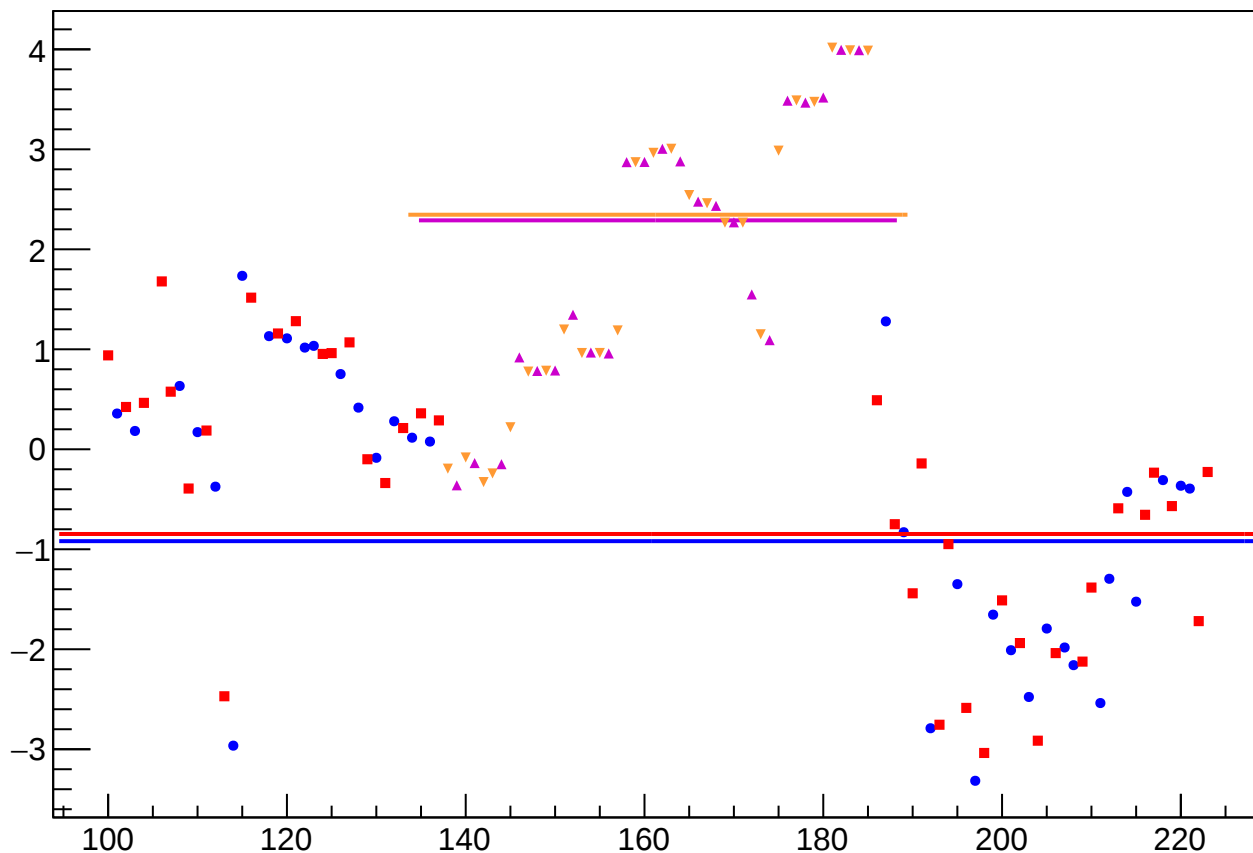
Left In: 0.011+/-0.000 χ^2/NDF : 530077.5/22

+ sign 0.012+/-0.000 χ^2/NDF : 3194409.9/59

All: 0.012+/-0.000 χ^2/NDF : 6779064.1/121

- sign 0.012+/-0.000 χ^2/NDF : 3576743.6/61

yield_bpm1X_mean vs Slug



Right In: -0.919 ± 0.000 χ^2/NDF : 8162481558.7/34

Left Out: 2.346 ± 0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.847 ± 0.000 χ^2/NDF : 8619494405.7/38

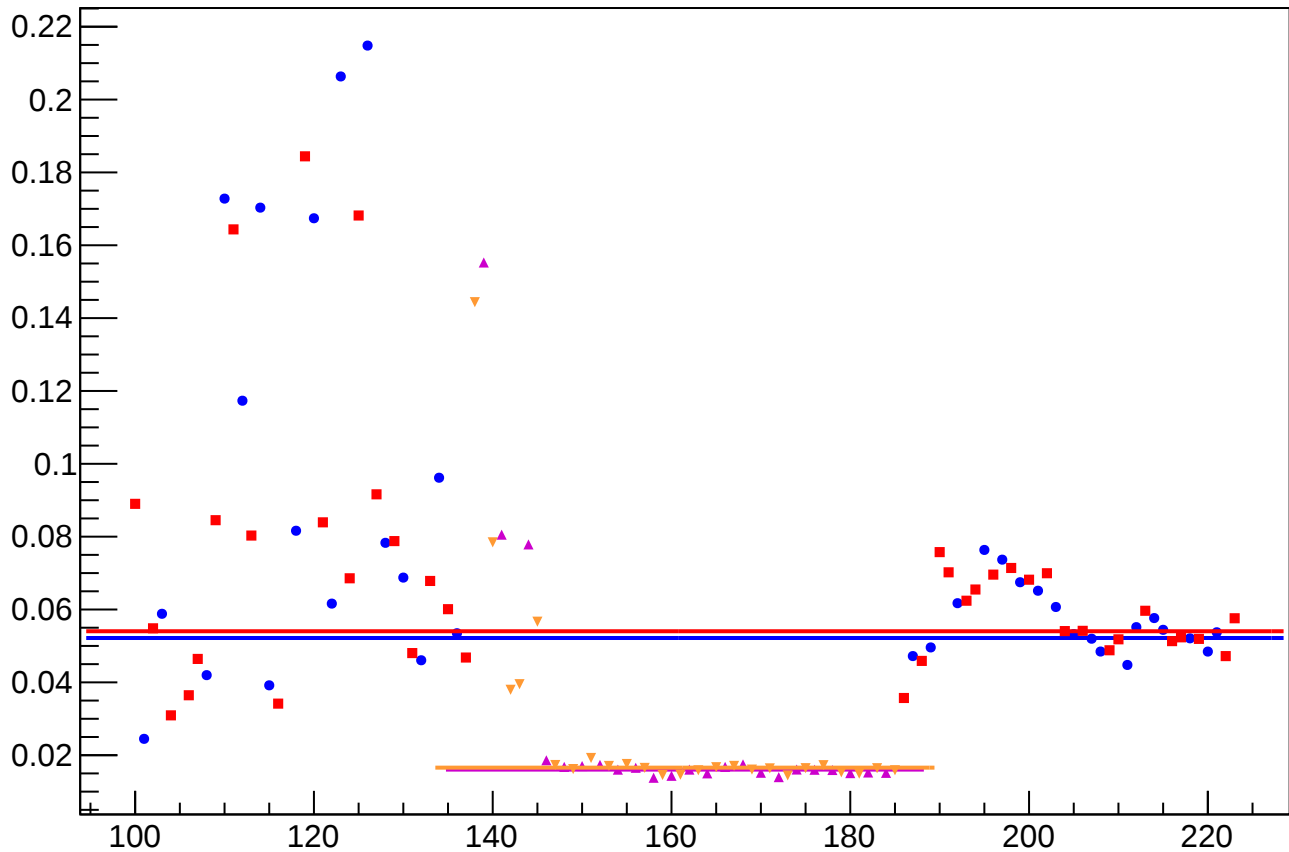
Left In: 2.290 ± 0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.013 ± 0.000 χ^2/NDF : 126955984899.9/59

All: 1.996 ± 0.000 χ^2/NDF : 246935425255.3

- sign 1.979 ± 0.000 χ^2/NDF : 119946178690.8/61

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3577420.6/34

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.054 $\pm$ 0.000 χ^2 /NDF: 2921827.9/38

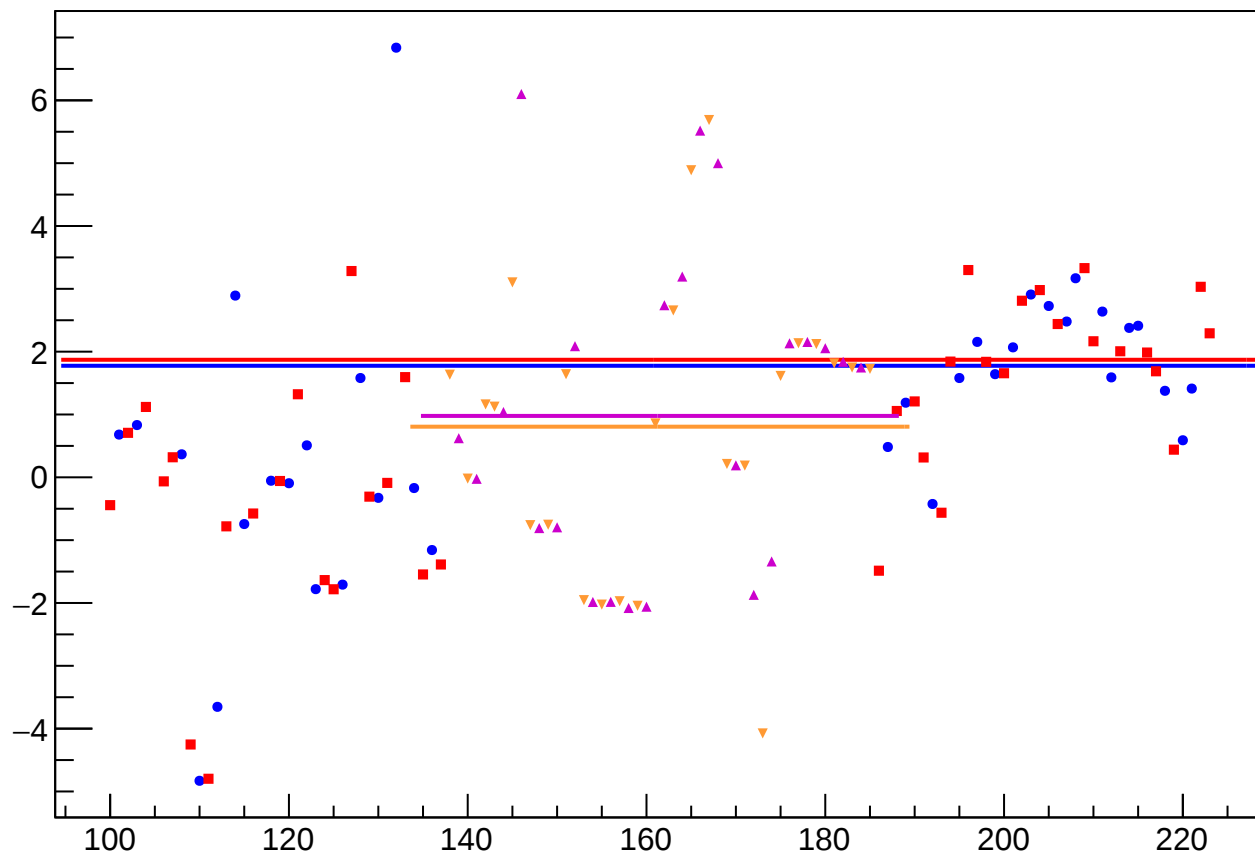
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 19345347.9/59

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 39468270.6/121

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 20113489.1/61

yield_bpm1Y_mean vs Slug



Right In: 1.775 $\pm$ 0.000 χ^2 /NDF: 44007752801.4/34

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF: 507578952196.2/24

Right Out: 1.871 $\pm$ 0.000 χ^2 /NDF: 47862291015.8/38

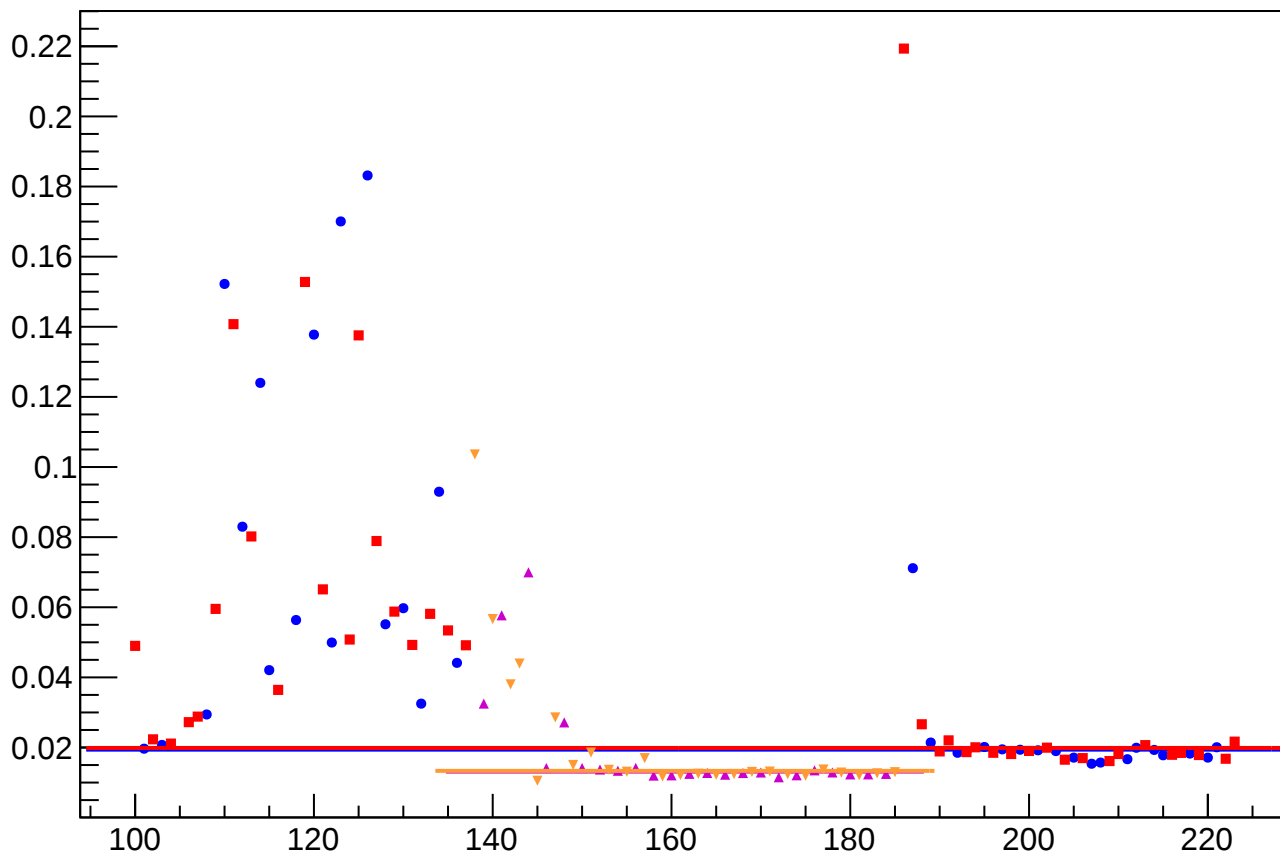
Left In: 0.977 $\pm$ 0.000 χ^2 /NDF: 568209676597.4/22

+ sign 1.106 $\pm$ 0.000 χ^2 /NDF: 576240916969.9/59

All: 1.177 $\pm$ 0.000 χ^2 /NDF: 1214172029140.

- sign 1.249 $\pm$ 0.000 χ^2 /NDF: 636681615303.7/61

yield_bpm1Y_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 4244060.6/34

Left Out: 0.013+/-0.000 χ^2/NDF : 2829753.9/24

Right Out: 0.020+/-0.000 χ^2/NDF : 5283742.0/38

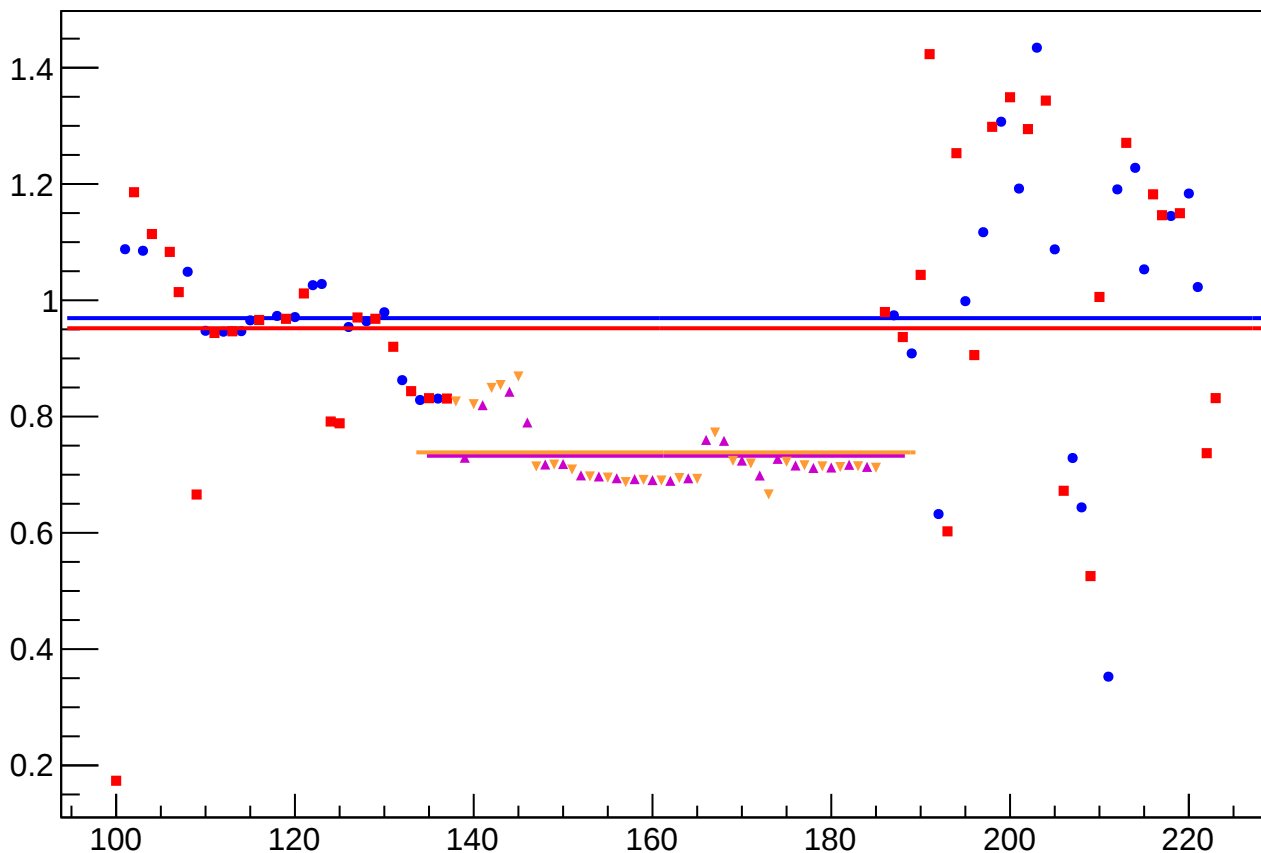
Left In: 0.013+/-0.000 χ^2/NDF : 1946693.6/22

+ sign 0.015+/-0.000 χ^2/NDF : 8997458.1/59

All: 0.015+/-0.000 χ^2/NDF : 18571363.7/121

- sign 0.015+/-0.000 χ^2/NDF : 9573802.2/61

yield_bpm11X_mean vs Slug



Right In: 0.969 $\pm$ 0.000 χ^2 /NDF: 1082989533.4/34

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310195180.4/24

Right Out: 0.952 $\pm$ 0.000 χ^2 /NDF: 1405146380.5/38

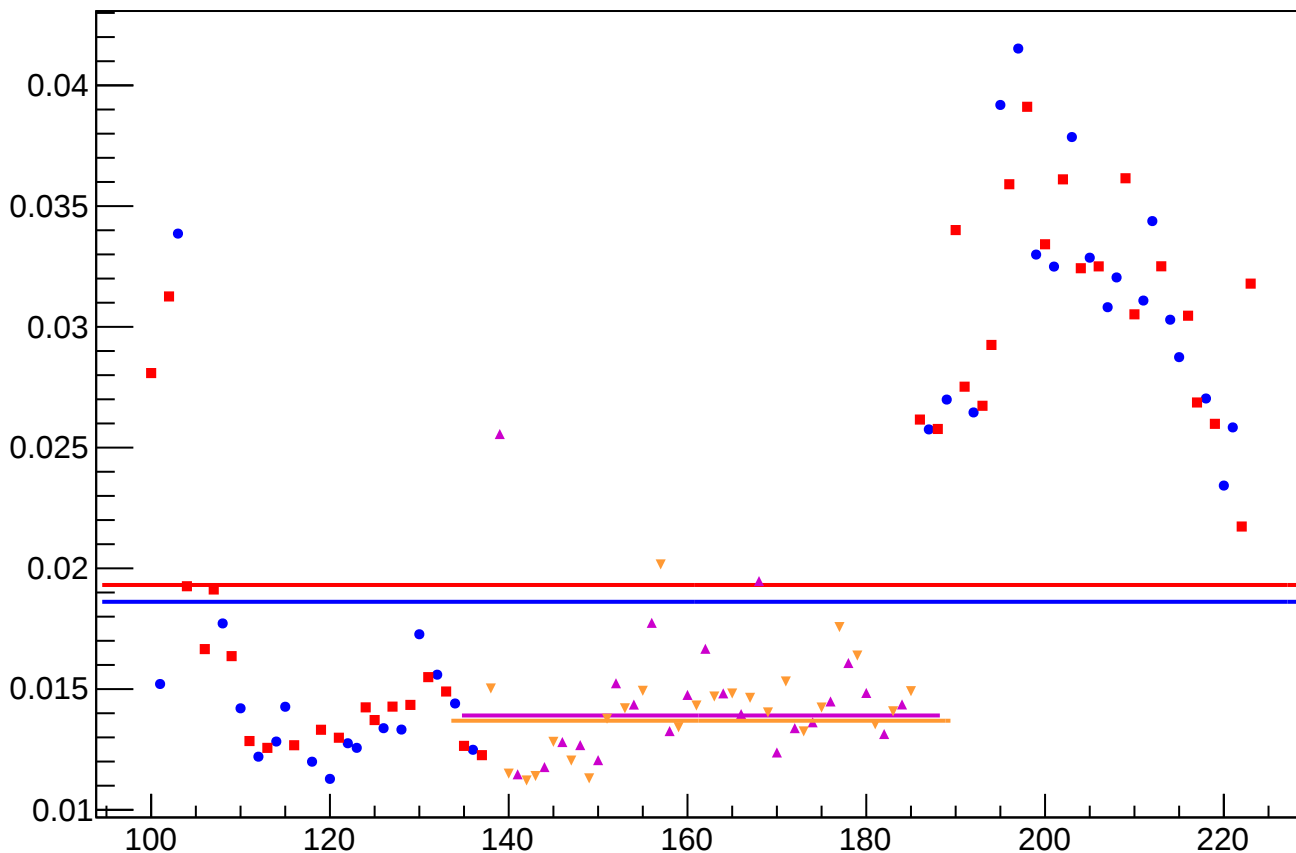
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:170102394.7/22

+ sign 0.817 $\pm$ 0.000 χ^2 /NDF: 2952991158.5/59

All: 0.814 $\pm$ 0.000 χ^2 /NDF: 5890178526.1/12

- sign 0.810 $\pm$ 0.000 χ^2 /NDF: 2934529787.5/61

yield_bpm11X_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 5966629.7/34

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:528480.6/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 5337305.4/38

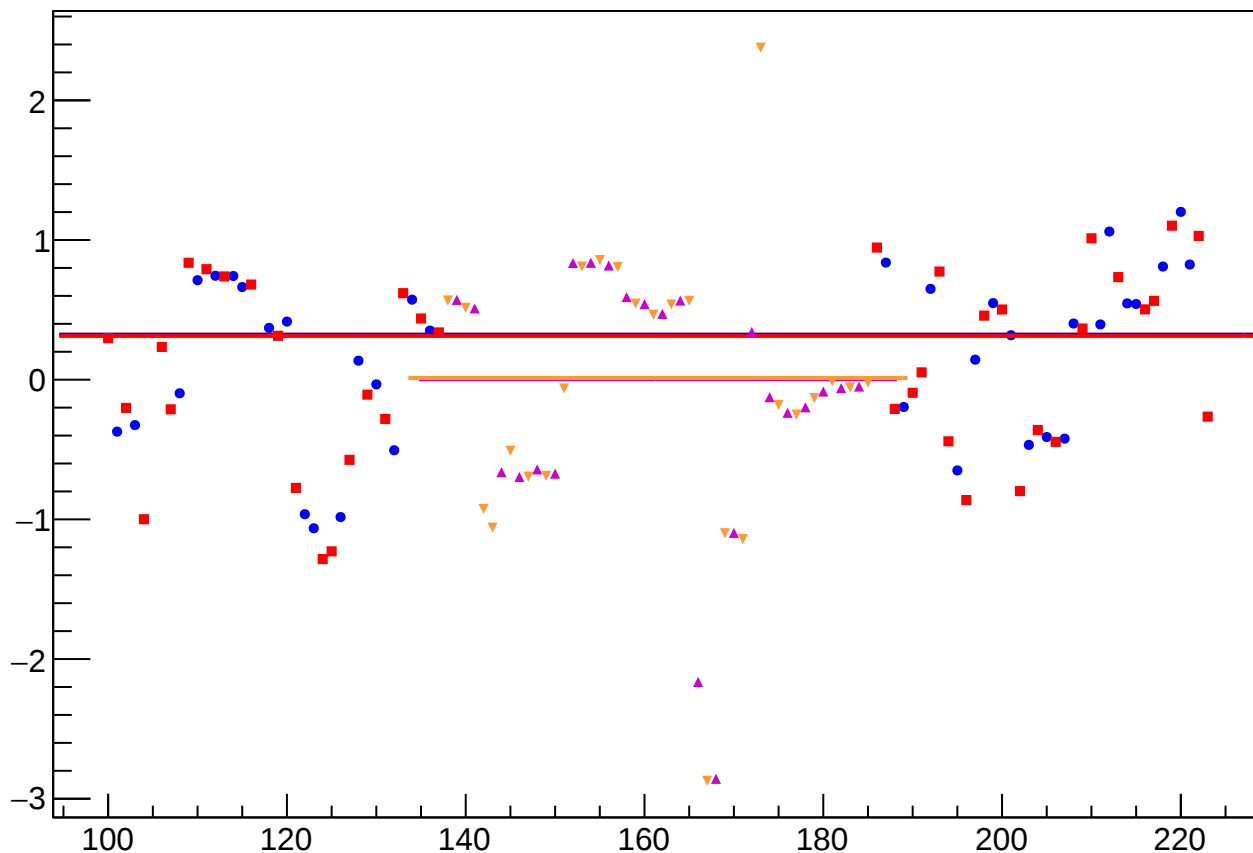
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:768161.9/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 7914206.9/59

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 15697264.2/121

- sign 0.016 $\pm$ 0.000 χ^2 /NDF: 7756109.9/61

yield_bpm11Y_mean vs Slug



Right In: 0.323+/-0.000 χ^2/NDF : 46446120009.7/34

Left Out: 0.012+/-0.000 χ^2/NDF : 96383858927.1/24

Right Out: 0.313+/-0.000 χ^2/NDF : 56070238078.1/38

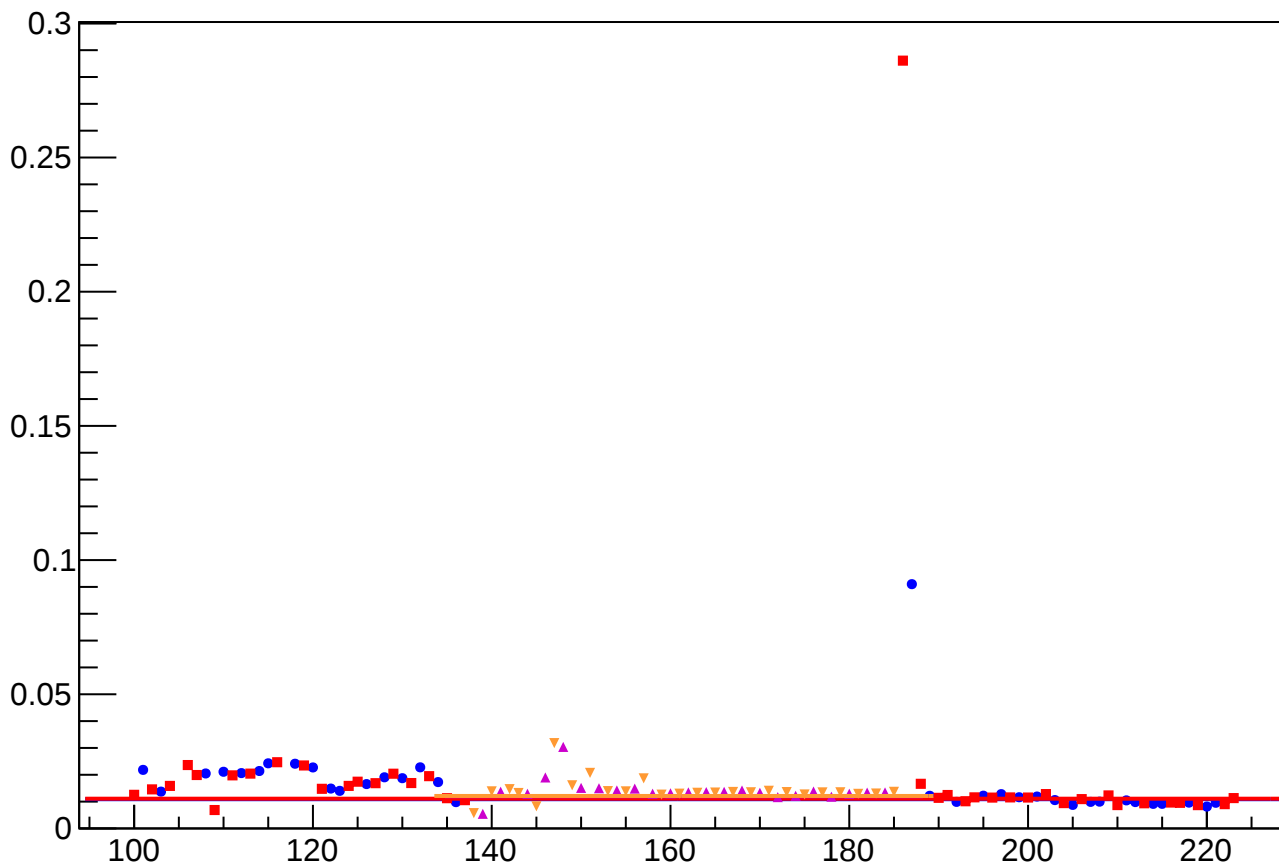
Left In: 0.003+/-0.000 χ^2/NDF : 78826489573.0/22

+ sign 0.187+/-0.000 χ^2/NDF : 148745620395.7/59

All: 0.183+/-0.000 χ^2/NDF : 289380303409.2

- sign 0.180+/-0.000 χ^2/NDF : 140628558612.8/61

yield_bpm11Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2886485.4/34

Left Out: 0.012+/-0.000 χ^2/NDF : 3105238.9/24

Right Out: 0.011+/-0.000 χ^2/NDF : 3309539.0/38

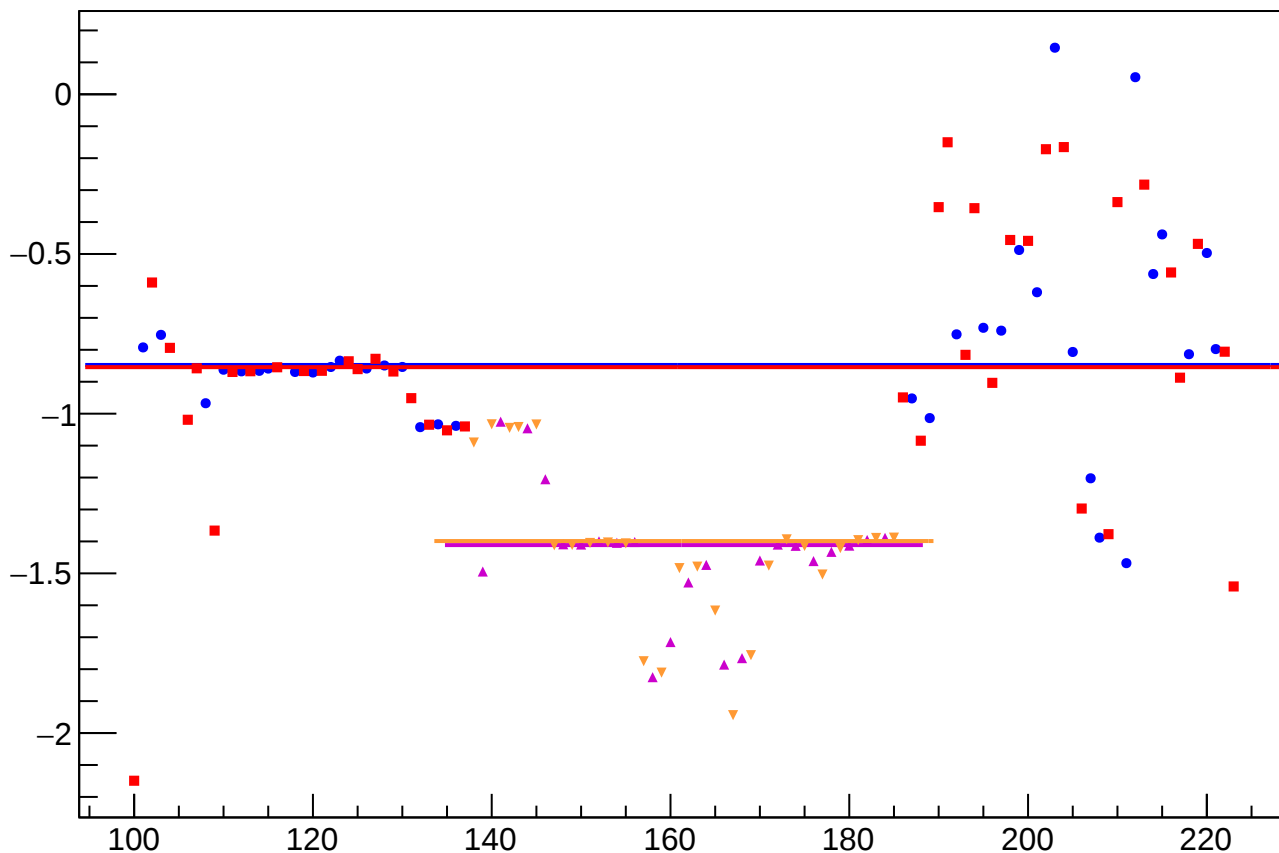
Left In: 0.012+/-0.000 χ^2/NDF : 3003502.9/22

+ sign 0.011+/-0.000 χ^2/NDF : 6171362.4/59

All: 0.011+/-0.000 χ^2/NDF : 12583998.5/121

- sign 0.011+/-0.000 χ^2/NDF : 6411972.1/61

yield_bpm12X_mean vs Slug



Right In: -0.847 ± 0.000 χ^2/NDF : 398560012.9/34

Left Out: -1.399 ± 0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.854 ± 0.000 χ^2/NDF : 539281978.4/38

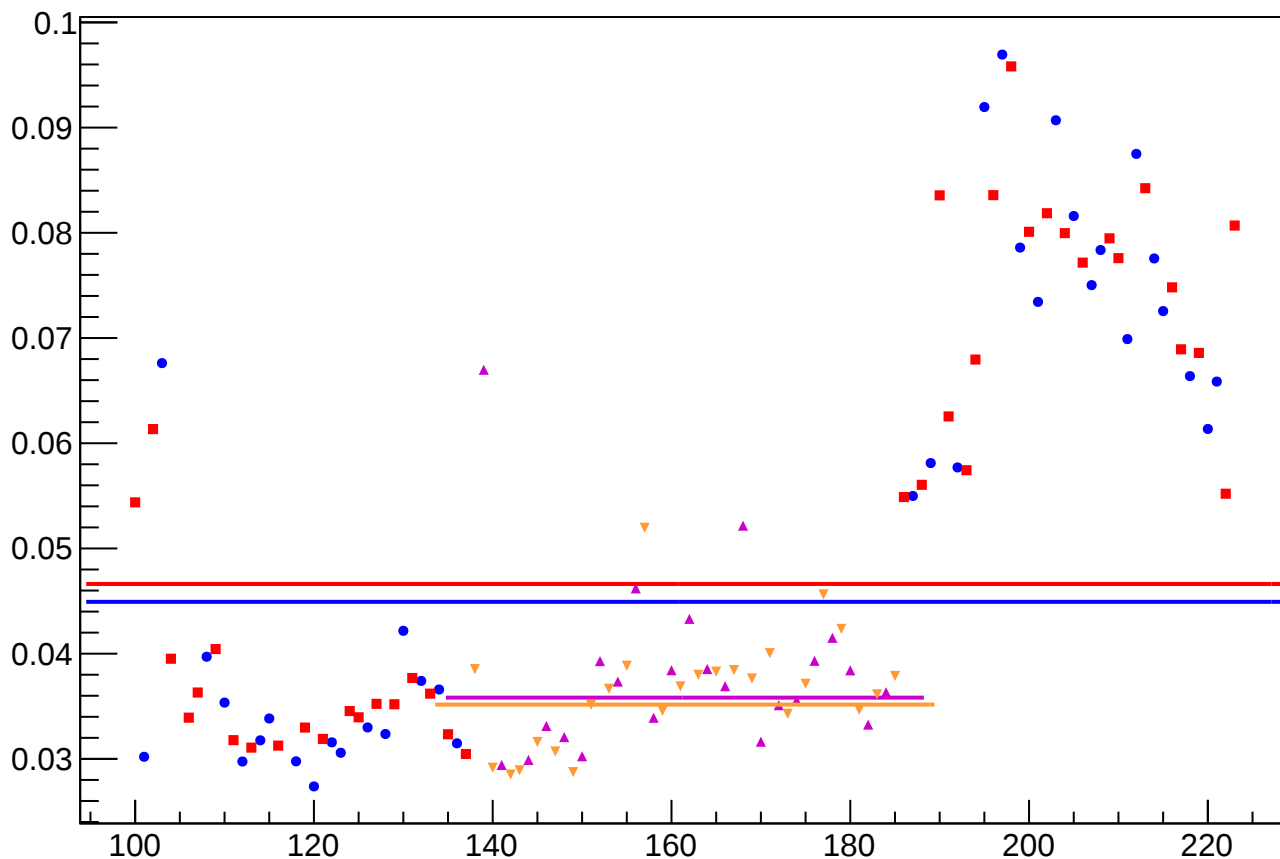
Left In: -1.411 ± 0.000 χ^2/NDF : 512547995.0/22

+ sign -1.193 ± 0.000 χ^2/NDF : 2605919915.4/59

All: -1.194 ± 0.000 χ^2/NDF : 5096608102.2/1

- sign -1.194 ± 0.000 χ^2/NDF : 2490673672.9/61

yield_bpm12X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 5874544.5/34

Left Out: 0.035+/-0.000 χ^2/NDF : 595219.5/24

Right Out: 0.047+/-0.000 χ^2/NDF : 5050295.8/38

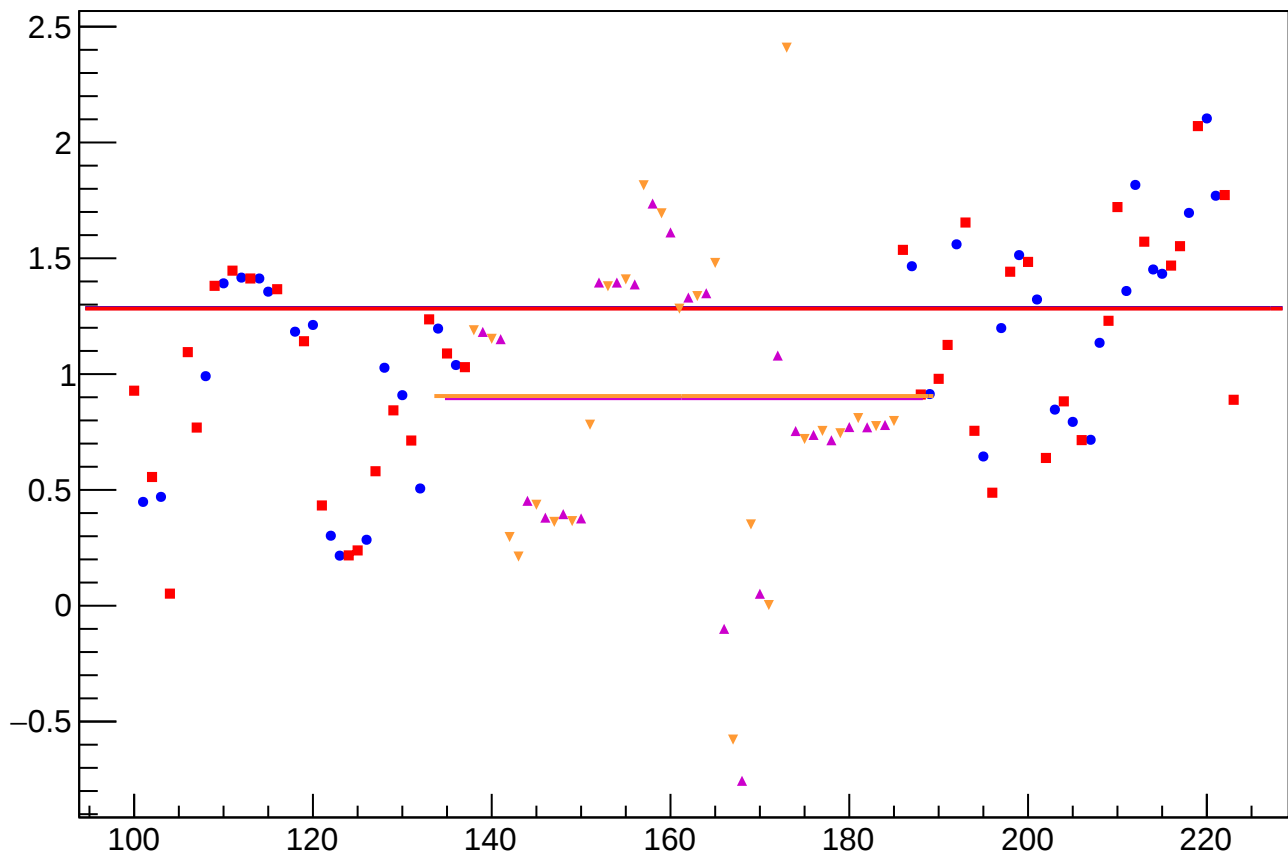
Left In: 0.036+/-0.000 χ^2/NDF : 864147.6/22

+ sign 0.039+/-0.000 χ^2/NDF : 7391586.6/59

All: 0.039+/-0.000 χ^2/NDF : 14418361.9/121

- sign 0.040+/-0.000 χ^2/NDF : 6996625.8/61

yield_bpm12Y_mean vs Slug



Right In: 1.285 $\pm$ 0.000 χ^2 /NDF: 79653451791.8/34

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 1.283 $\pm$ 0.000 χ^2 /NDF: 78805112518.3/38

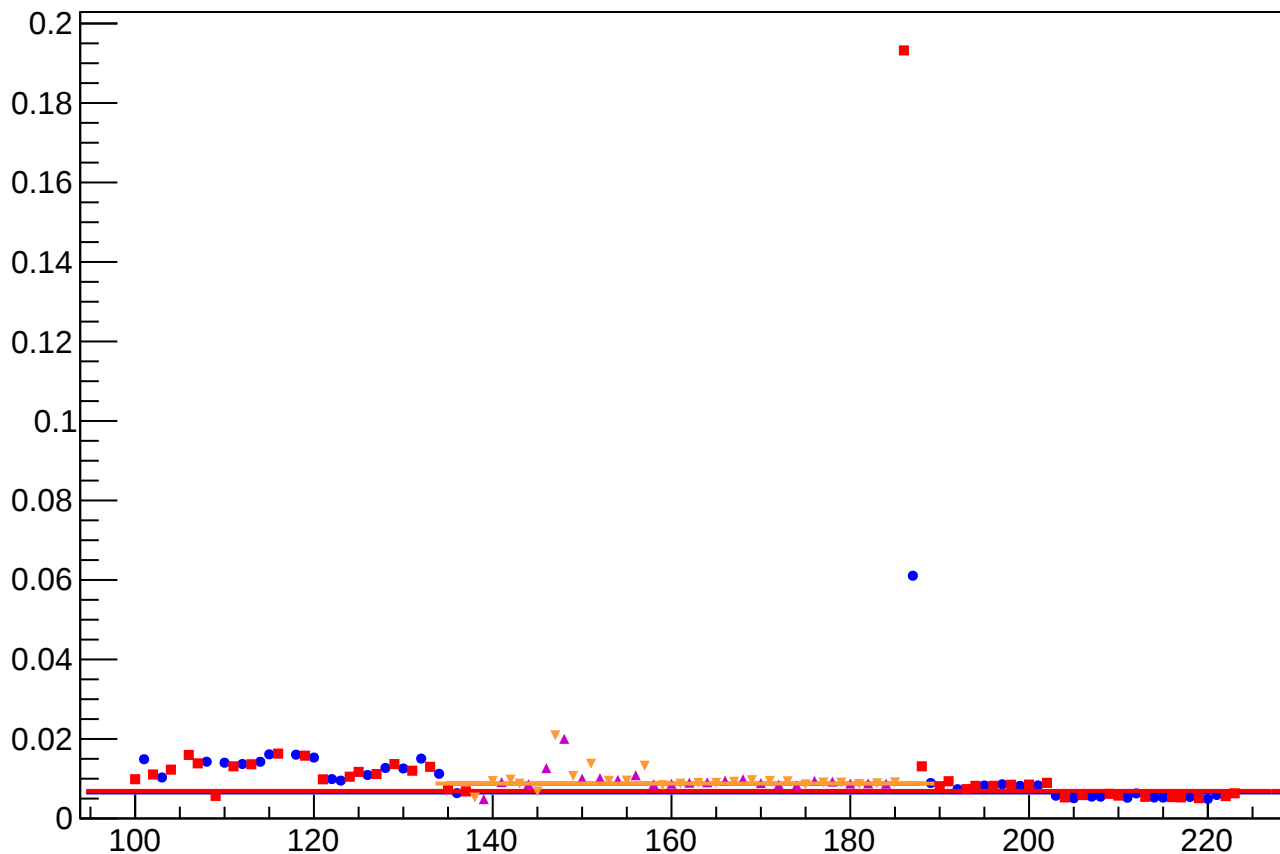
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 1.148 $\pm$ 0.000 χ^2 /NDF: 184092388151.6/59

All: 1.145 $\pm$ 0.000 χ^2 /NDF: 348882136073.1

- sign 1.141 $\pm$ 0.000 χ^2 /NDF: 164774824615.3/61

yield_bpm12Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 4050985.7/34

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1697568.1/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 4417660.6/38

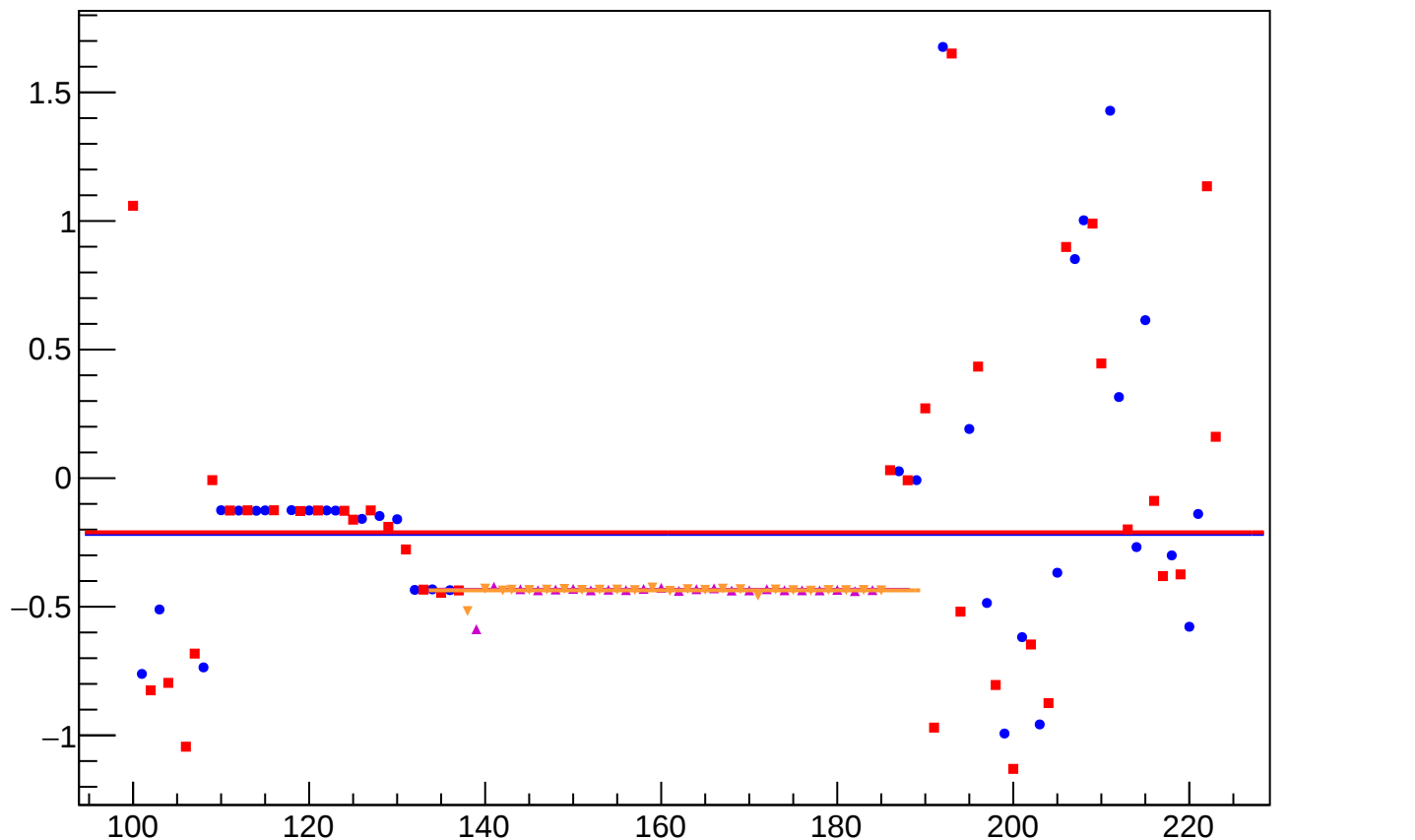
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 7154715.6/59

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 14101407.0/121

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6907382.1/61

yield_bpm16X_mean vs Slug



Right In: -0.217+/-0.000 χ^2/NDF : 5047424378.1/34

Left Out: -0.436+/-0.000 χ^2/NDF : 28774660.0/24

Right Out: -0.211+/-0.000 χ^2/NDF : 4384204197.3/38

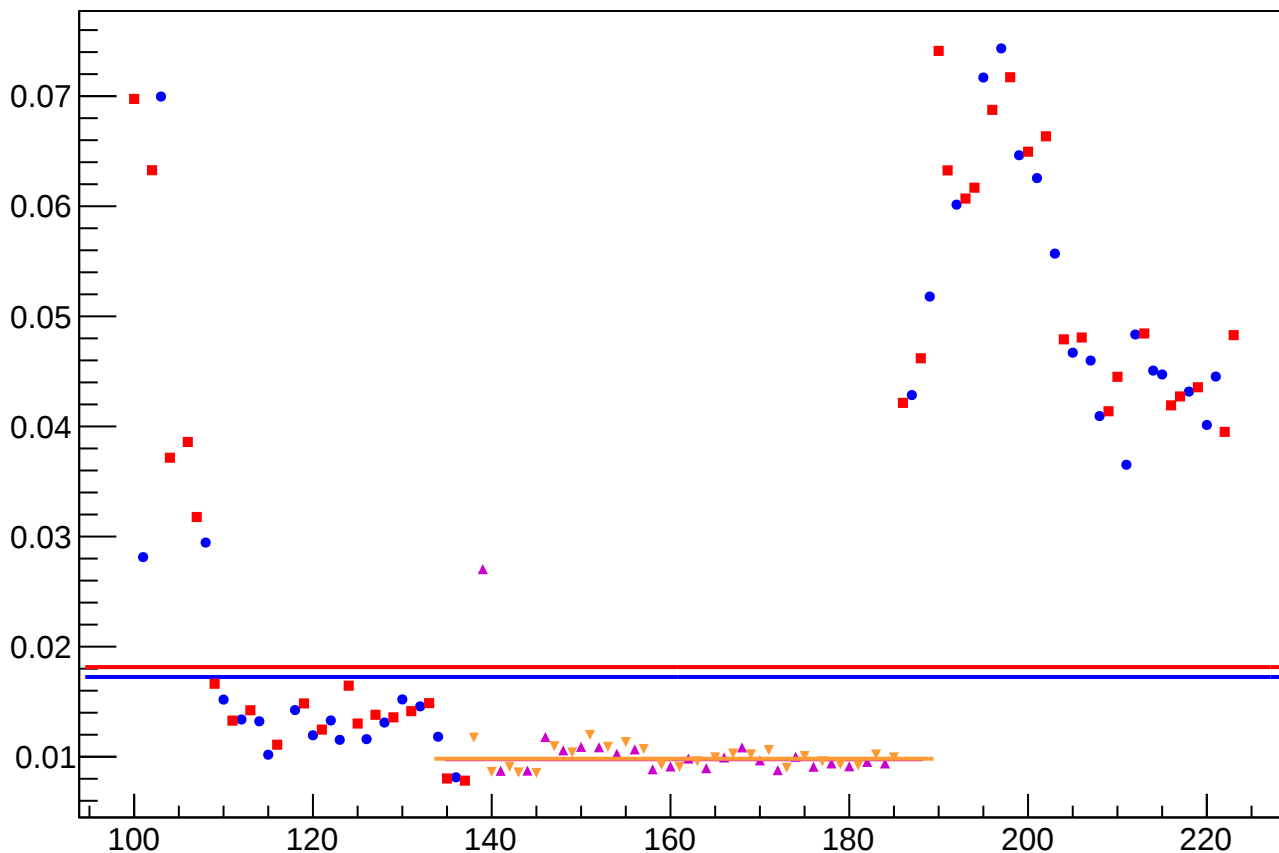
Left In: -0.434+/-0.000 χ^2/NDF : 23984173.0/22

+ sign -0.395+/-0.000 χ^2/NDF : 6537262290.4/59

All: -0.394+/-0.000 χ^2/NDF : 12370645068.9/119

- sign -0.392+/-0.000 χ^2/NDF : 5832570203.9/61

yield_bpm16X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 14309982.7/34

Left Out: 0.010+/-0.000 χ^2/NDF : 269242.6/24

Right Out: 0.018+/-0.000 χ^2/NDF : 14534199.7/38

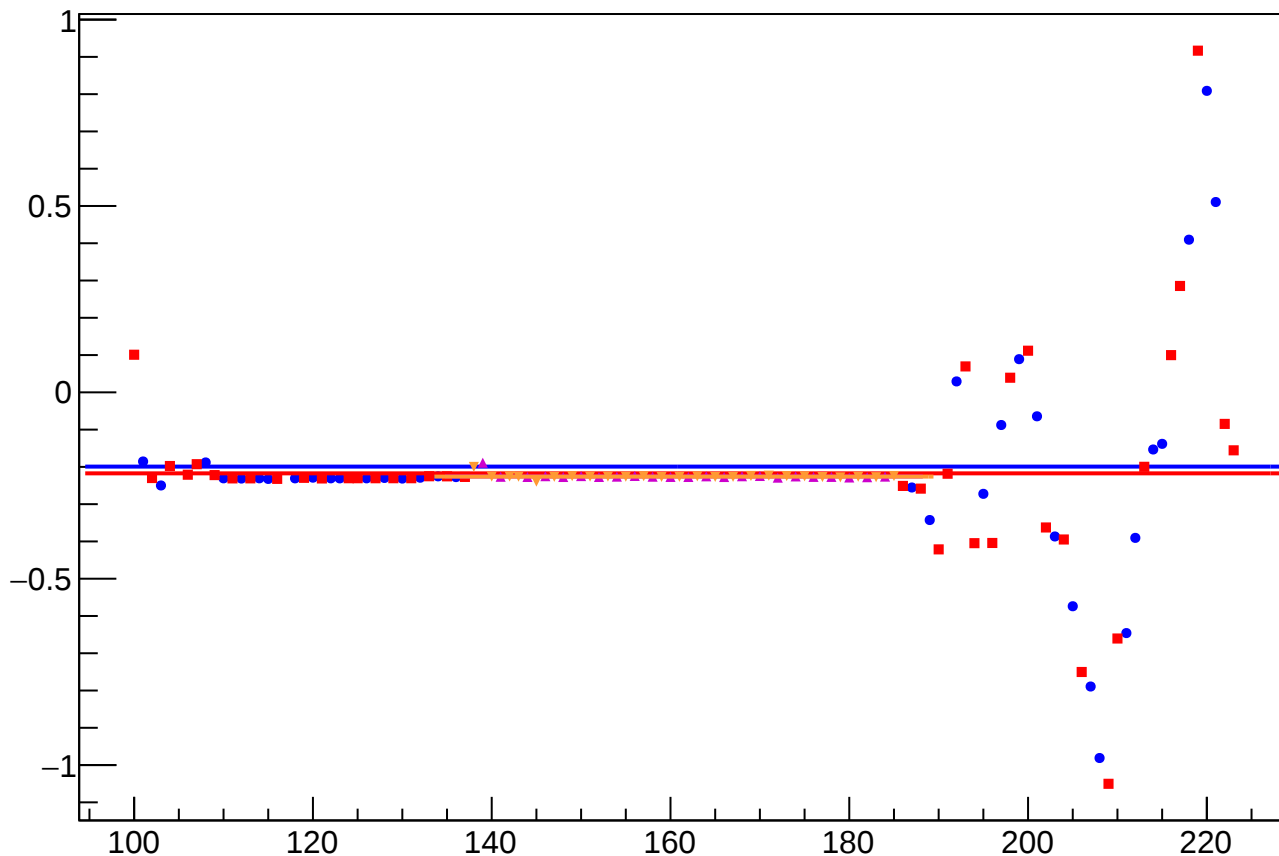
Left In: 0.010+/-0.000 χ^2/NDF : 747550.0/22

+ sign 0.011+/-0.000 χ^2/NDF : 17922896.7/59

All: 0.011+/-0.000 χ^2/NDF : 37200887.8/121

- sign 0.011+/-0.000 χ^2/NDF : 19274667.2/61

yield_bpm16Y_mean vs Slug



Right In: -0.199+/-0.000 χ^2/NDF : 52761306648.4/34

Left Out: -0.226+/-0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.217+/-0.000 χ^2/NDF : 47114361031.2/38

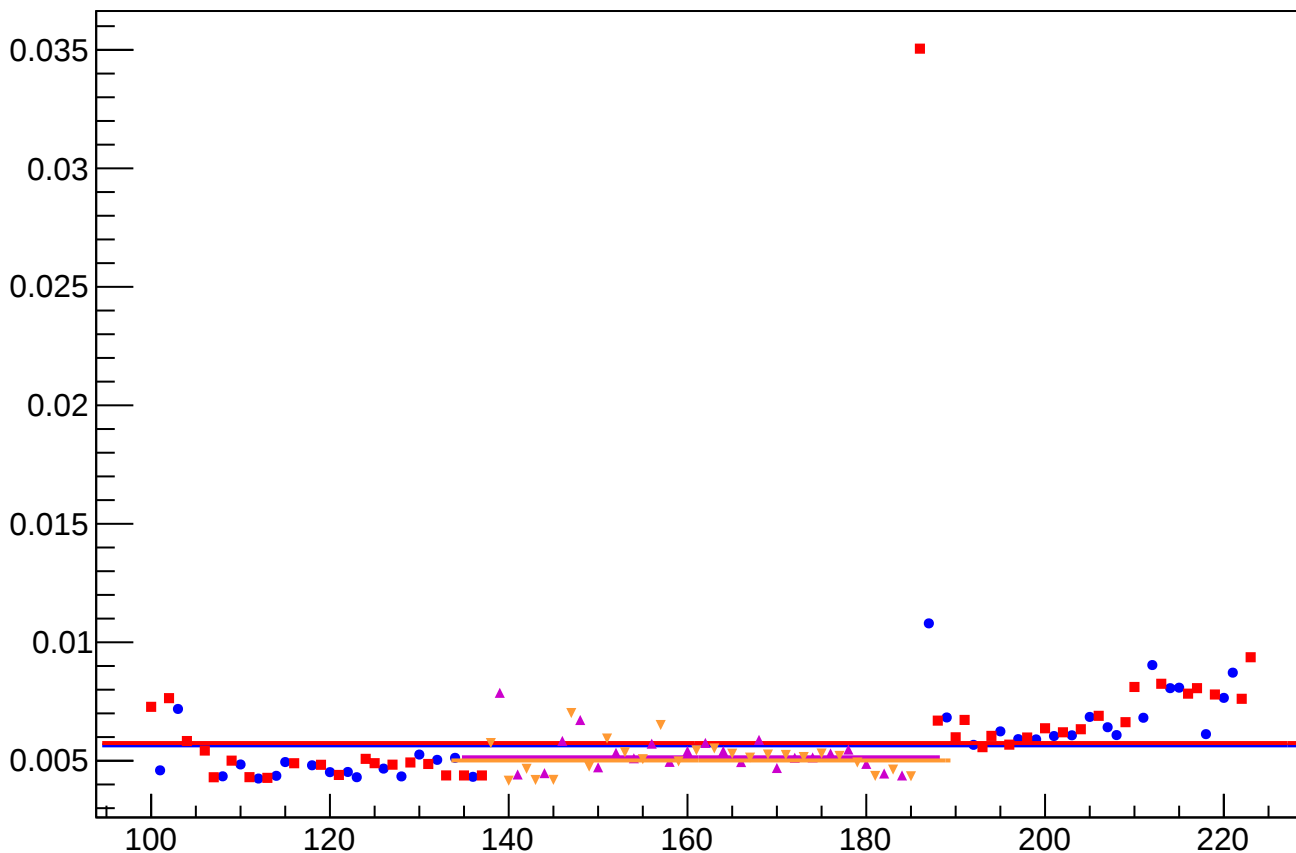
Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

+ sign -0.214+/-0.000 χ^2/NDF : 53002721494.7/59

All: -0.218+/-0.000 χ^2/NDF : 100188709111.8

- sign -0.222+/-0.000 χ^2/NDF : 47150122208.8/61

yield_bpm16Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1712543.3/34

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:530632.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 2169418.2/38

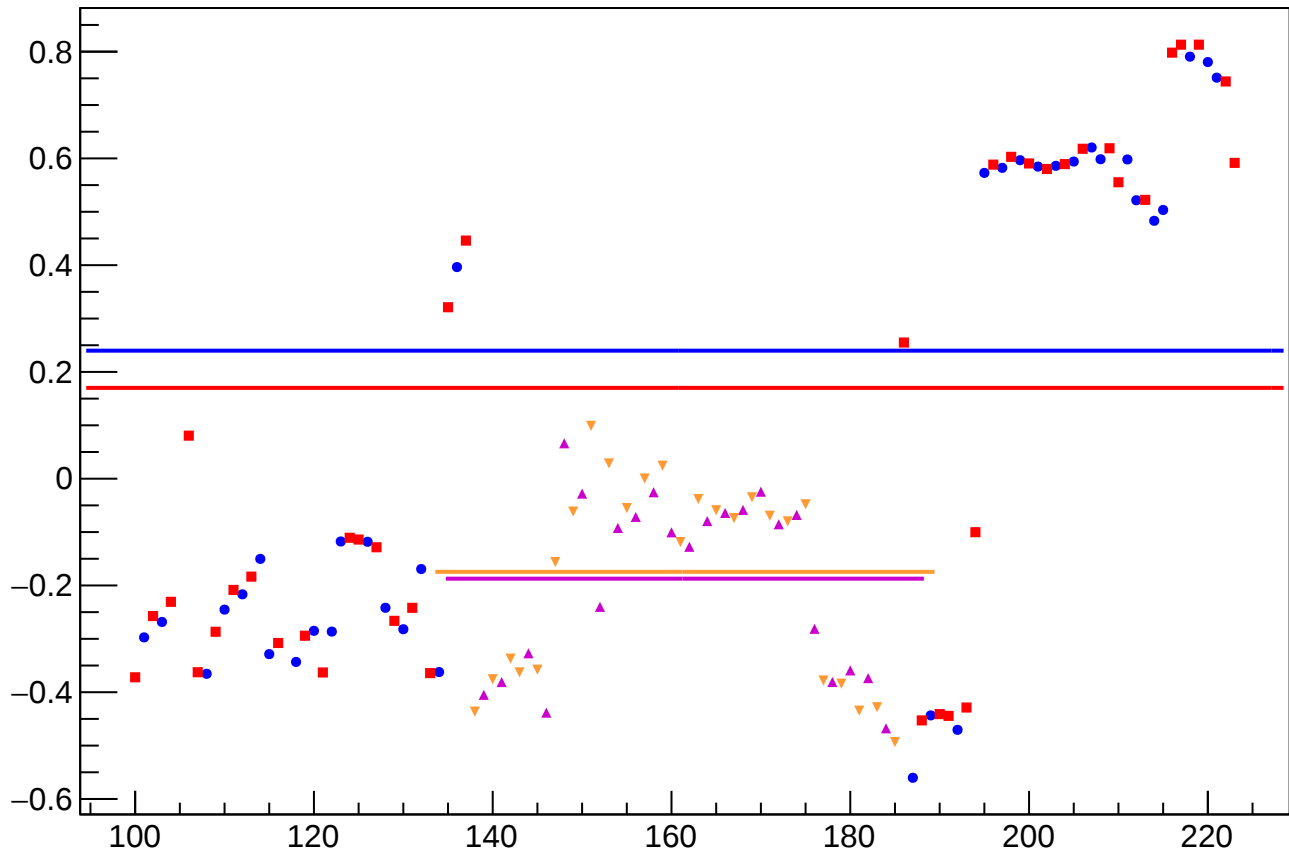
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:493107.7/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2492043.5/59

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 5387731.4/121

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2874195.0/61

yield_bpm0i02X_mean vs Slug



Right In: 0.240+/-0.000 χ^2/NDF : 82745726115.7/34

Left Out: -0.174+/-0.000 χ^2/NDF : 18025533236.1/24

Right Out: 0.170+/-0.000 χ^2/NDF : 91418687192.4/38

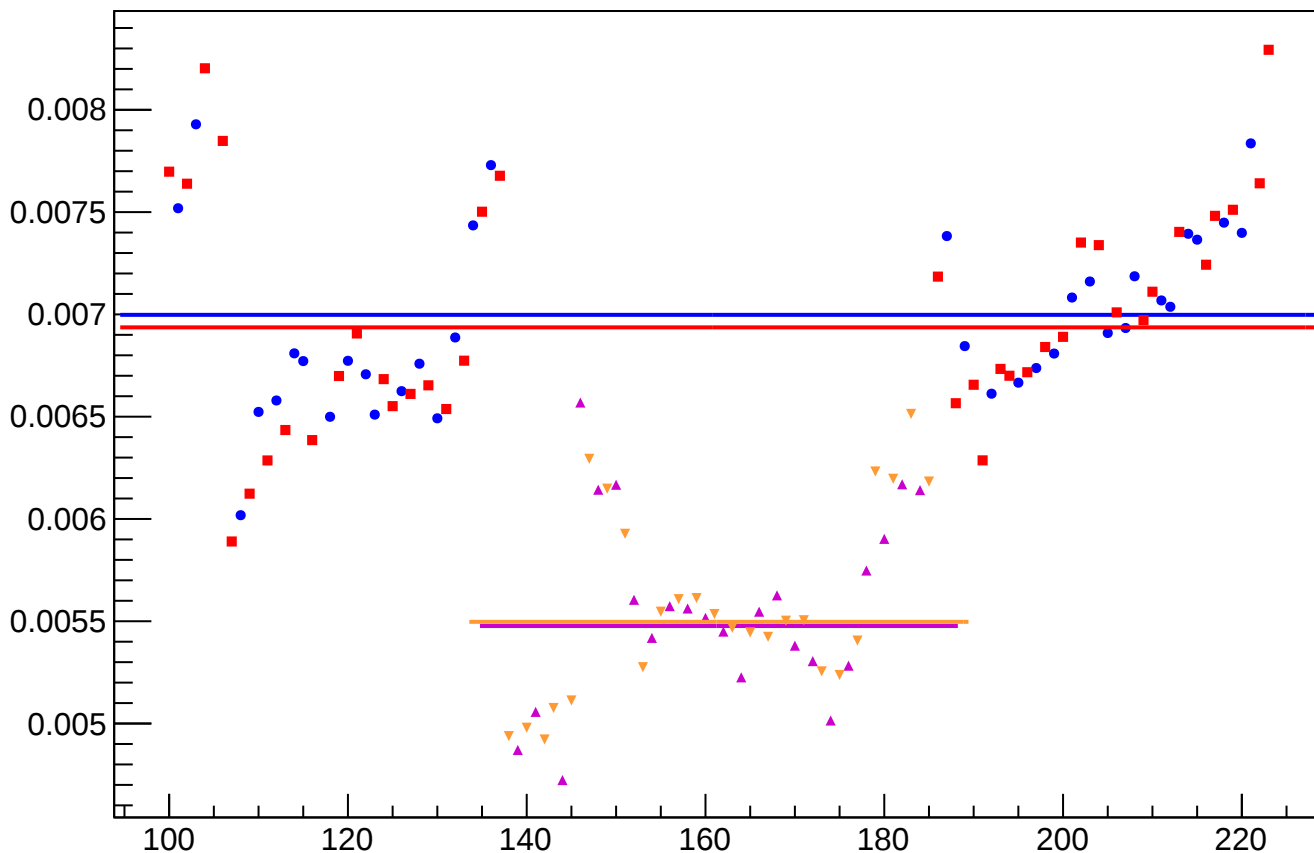
Left In: -0.187+/-0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.005+/-0.000 χ^2/NDF : 141345904947.8/59

All: -0.019+/-0.000 χ^2/NDF : 276272394798.1

- sign -0.032+/-0.000 χ^2/NDF : 134567675579.5/61

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 139459.1/34

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:198746.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 199572.2/38

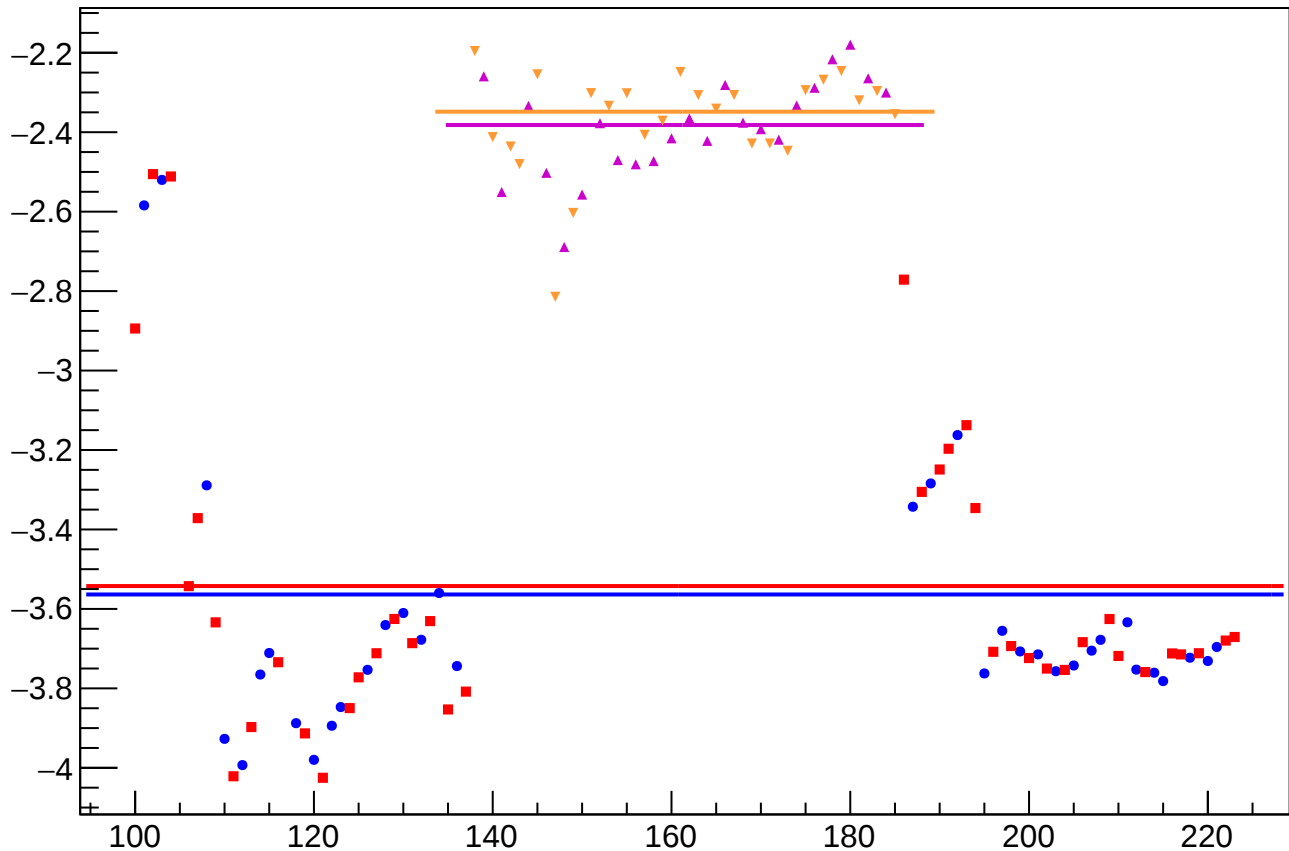
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:202181.4/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1402562.6/59

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 2816377.9/121

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1413814.6/61

yield_bpm0i02Y_mean vs Slug



Right In: -3.564+/-0.000 χ^2/NDF : 31064845342.8/34

Left Out: -2.348+/-0.000 χ^2/NDF : 2158686333.4/24

+ sign -2.898+/-0.000 χ^2/NDF : 183393178851.4/59

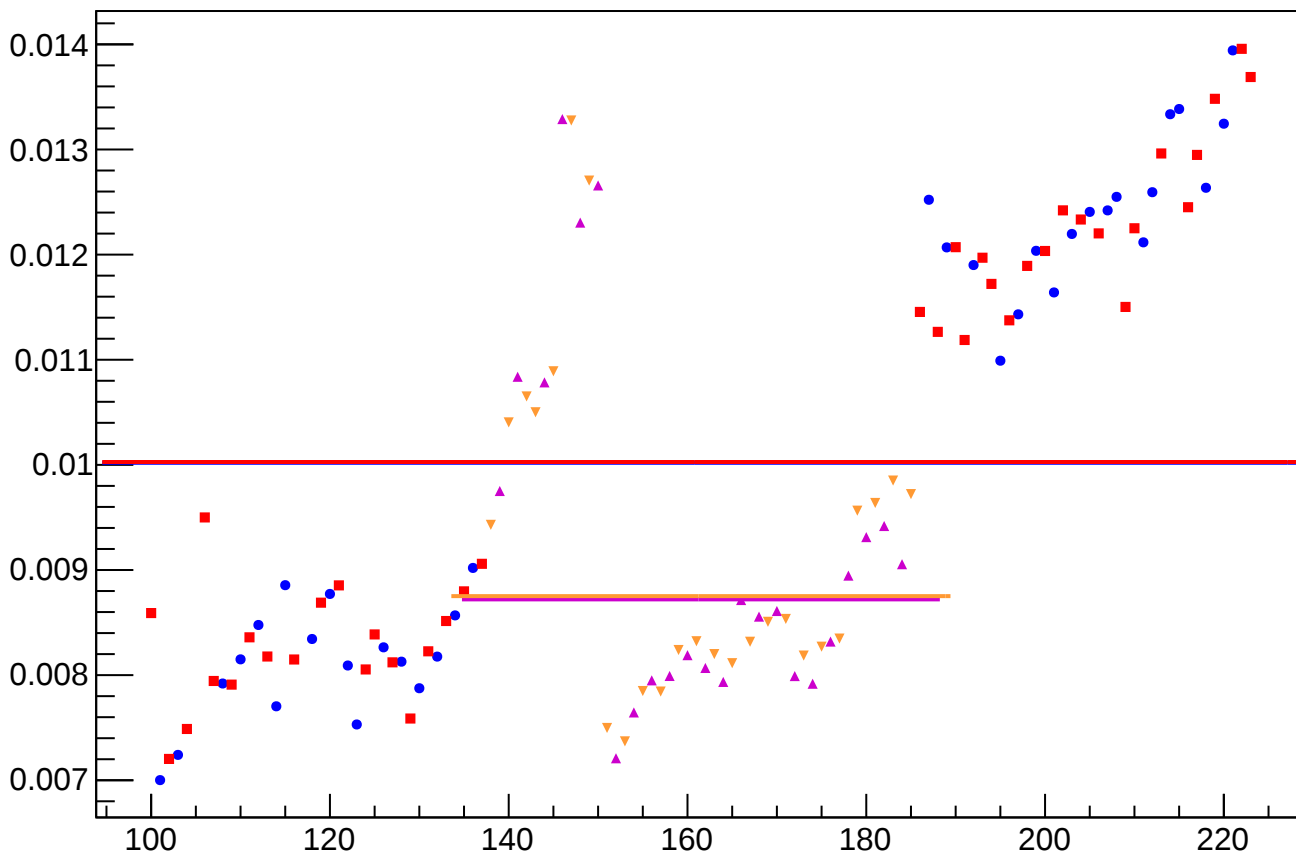
Right Out: -3.542+/-0.000 χ^2/NDF : 31862059877.3/38

All: -2.915+/-0.000 χ^2/NDF : 353925469087.2

- sign -2.932+/-0.000 χ^2/NDF : 170296934060.7/61

Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

yield_bpm0i02Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1854382.0/34

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:663672.8/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1727245.0/38

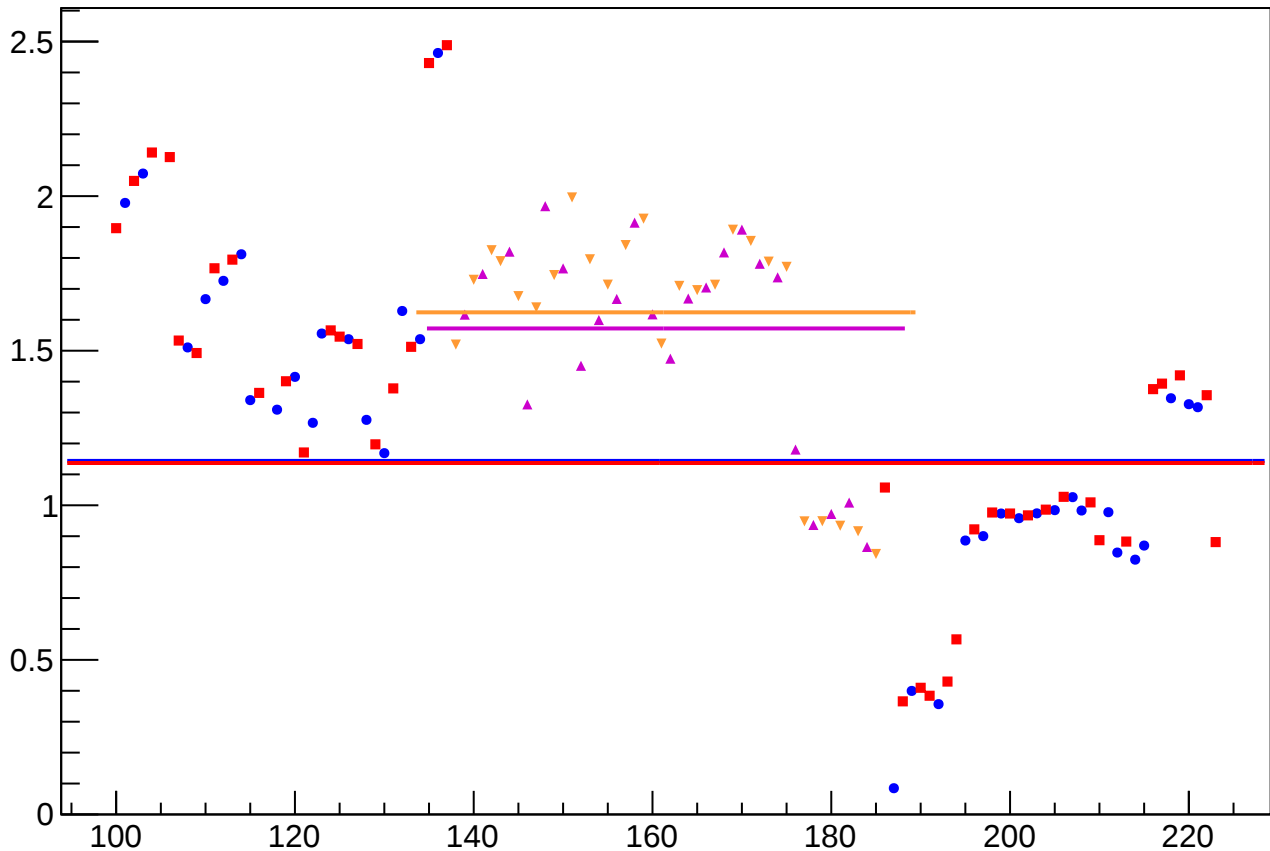
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:747867.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2845337.6/59

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 5665762.5/121

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2820337.2/61

yield_bpm0i02aX_mean vs Slug



Right In: 1.144 ± 0.000 χ^2/NDF : 29341940484.4/34

Left Out: 1.624 ± 0.000 χ^2/NDF : 16631112386.4/24

Right Out: 1.137 ± 0.000 χ^2/NDF : 34366565673.4/38

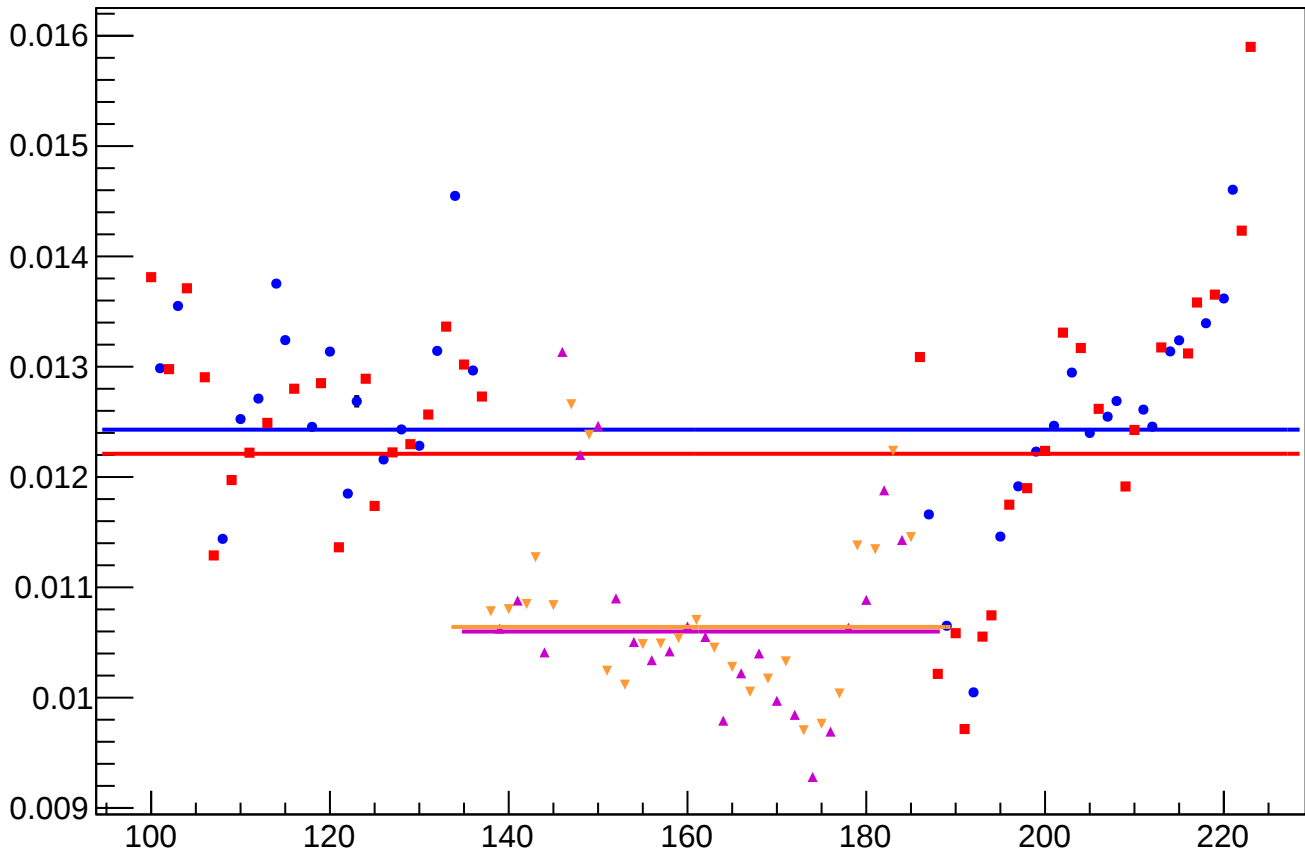
Left In: 1.572 ± 0.000 χ^2/NDF : 14230484809.4/22

+ sign 1.410 ± 0.000 χ^2/NDF : 62043269666.1/59

All: 1.387 ± 0.000 χ^2/NDF : 124226807251.4

- sign 1.365 ± 0.000 χ^2/NDF : 61901675031.9/61

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 252067.3/34

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 363866.2/38

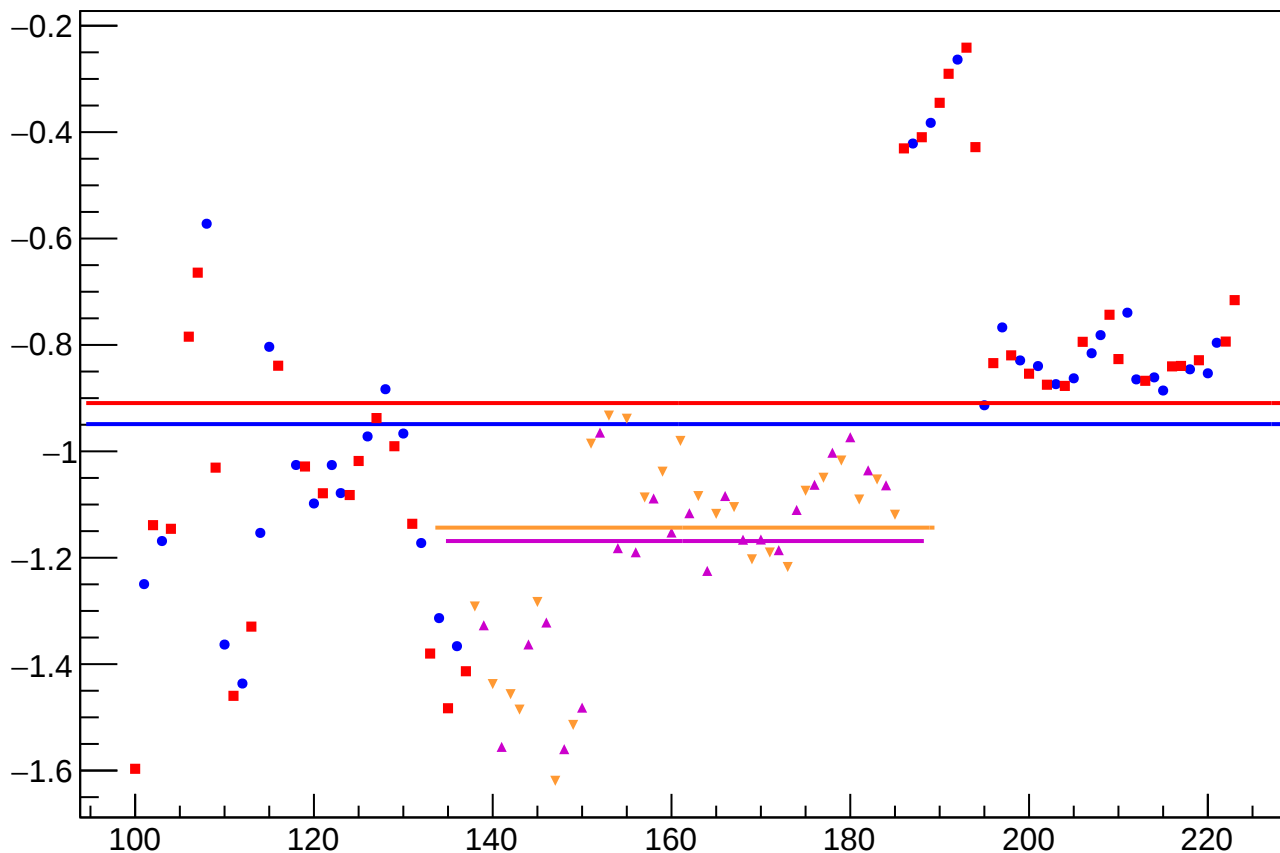
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 857046.0/59

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1791901.1/121

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 933352.1/61

yield_bpm0i02aY_mean vs Slug



Right In: -0.949 ± 0.000 χ^2/NDF : 11687467359.5/34

Left Out: -1.143 ± 0.000 χ^2/NDF : 7976364534.0/24

Right Out: -0.909 ± 0.000 χ^2/NDF : 16278387563.9/38

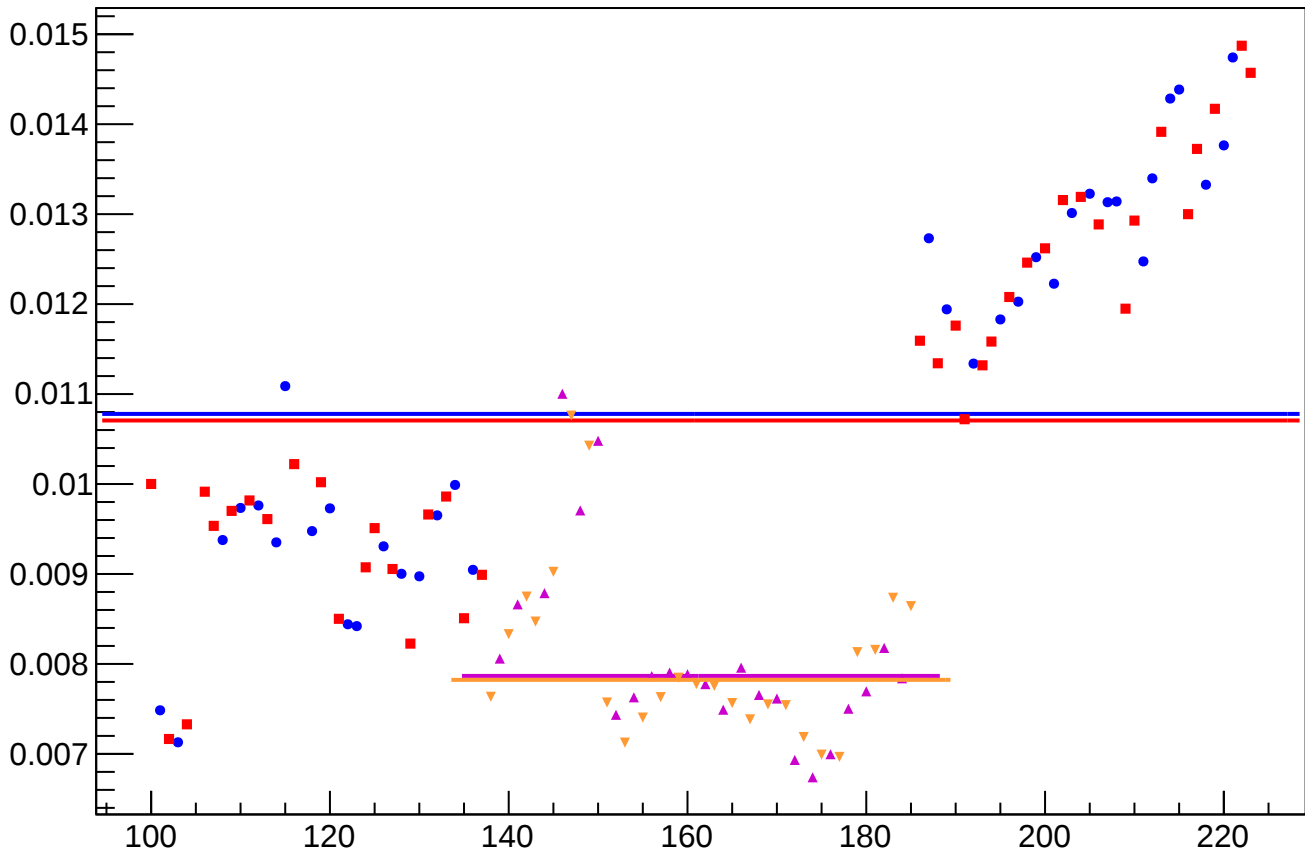
Left In: -1.169 ± 0.000 χ^2/NDF : 6362643368.6/22

+ sign -1.073 ± 0.000 χ^2/NDF : 23517605212.5/59

All: -1.070 ± 0.000 χ^2/NDF : 53044605394.2/117

- sign -1.067 ± 0.000 χ^2/NDF : 29520909991.8/61

yield_bpm0i02aY_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 1608585.4/34

Left Out: 0.008+/-0.000 χ^2/NDF :336387.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 1525414.3/38

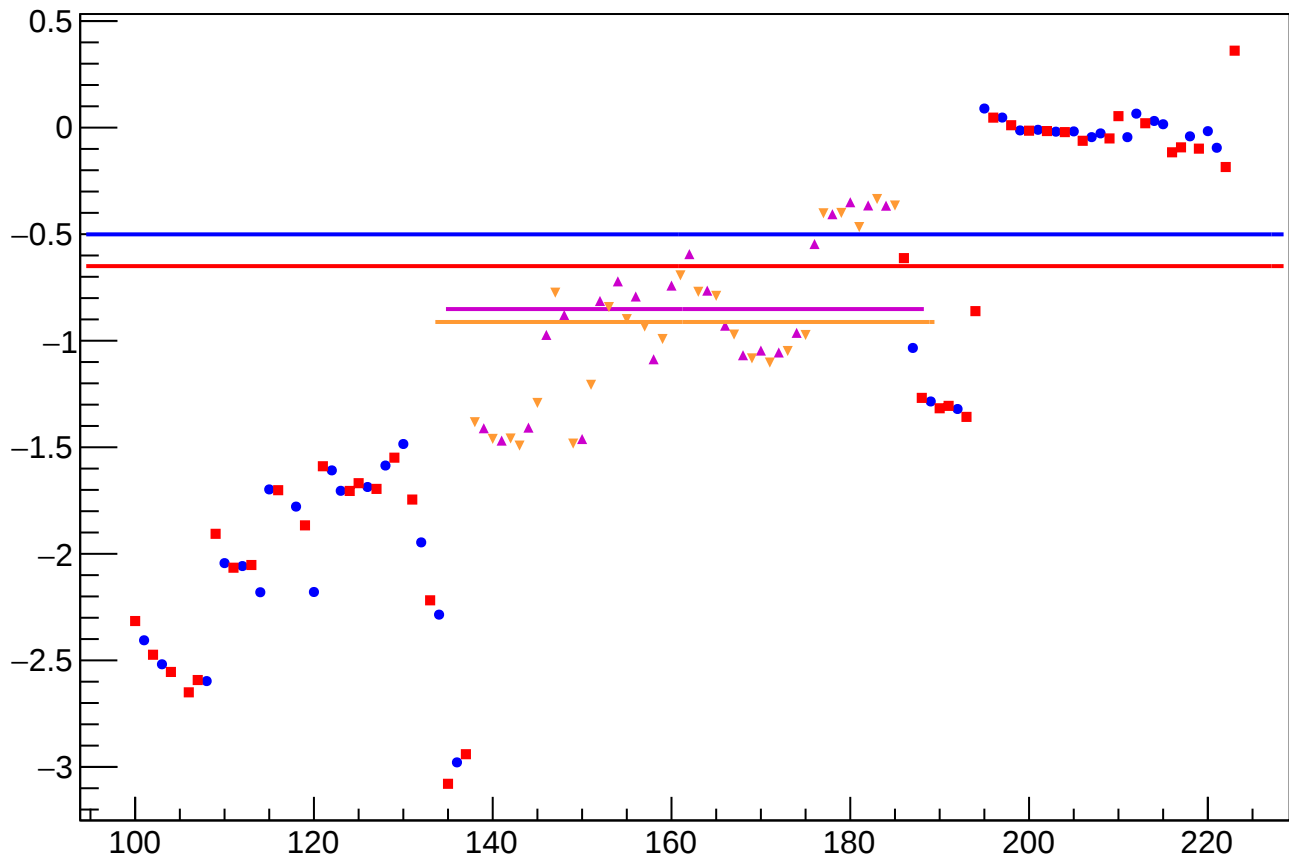
Left In: 0.008+/-0.000 χ^2/NDF :379901.3/22

+ sign 0.009+/-0.000 χ^2/NDF : 3723886.2/59

All: 0.009+/-0.000 χ^2/NDF : 7281458.7/121

- sign 0.009+/-0.000 χ^2/NDF : 3554969.7/61

yield_bpm0i05X_mean vs Slug



Right In: -0.501 ± 0.000 $\chi^2/\text{NDF}: 422754275947.2/34$

Left Out: -0.912 ± 0.000 $\chi^2/\text{NDF}: 49039425818.1/24$

Right Out: -0.650 ± 0.000 $\chi^2/\text{NDF}: 453553095239.0/38$

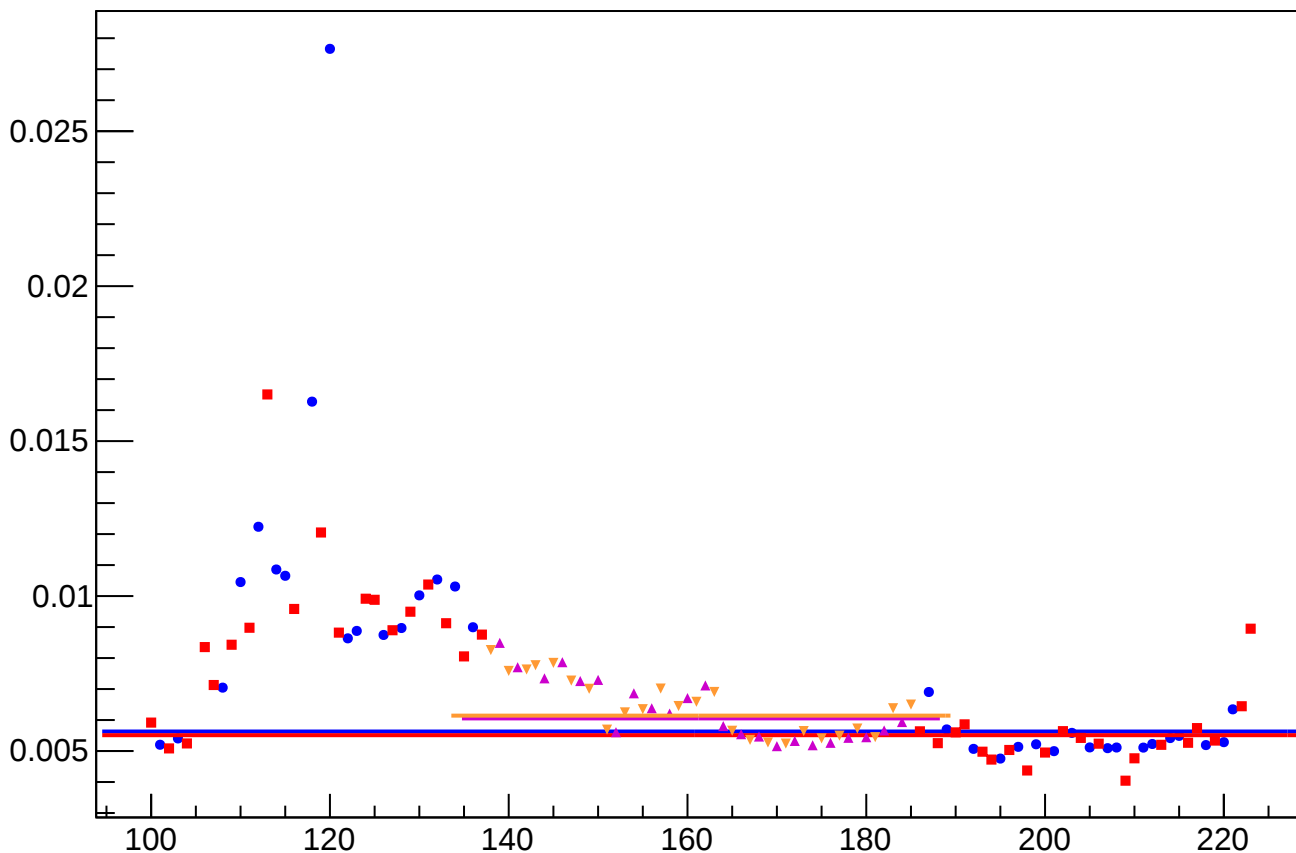
Left In: -0.851 ± 0.000 $\chi^2/\text{NDF}: 46438446008.2/22$

+ sign -0.689 ± 0.000 $\chi^2/\text{NDF}: 512706794579.9/59$

All: -0.713 ± 0.000 $\chi^2/\text{NDF}: 1023910831781$

- sign -0.737 ± 0.000 $\chi^2/\text{NDF}: 510052323335.8/61$

yield_bpm0i05X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 2098127.1/34

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 637765.4/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 2255843.2/38

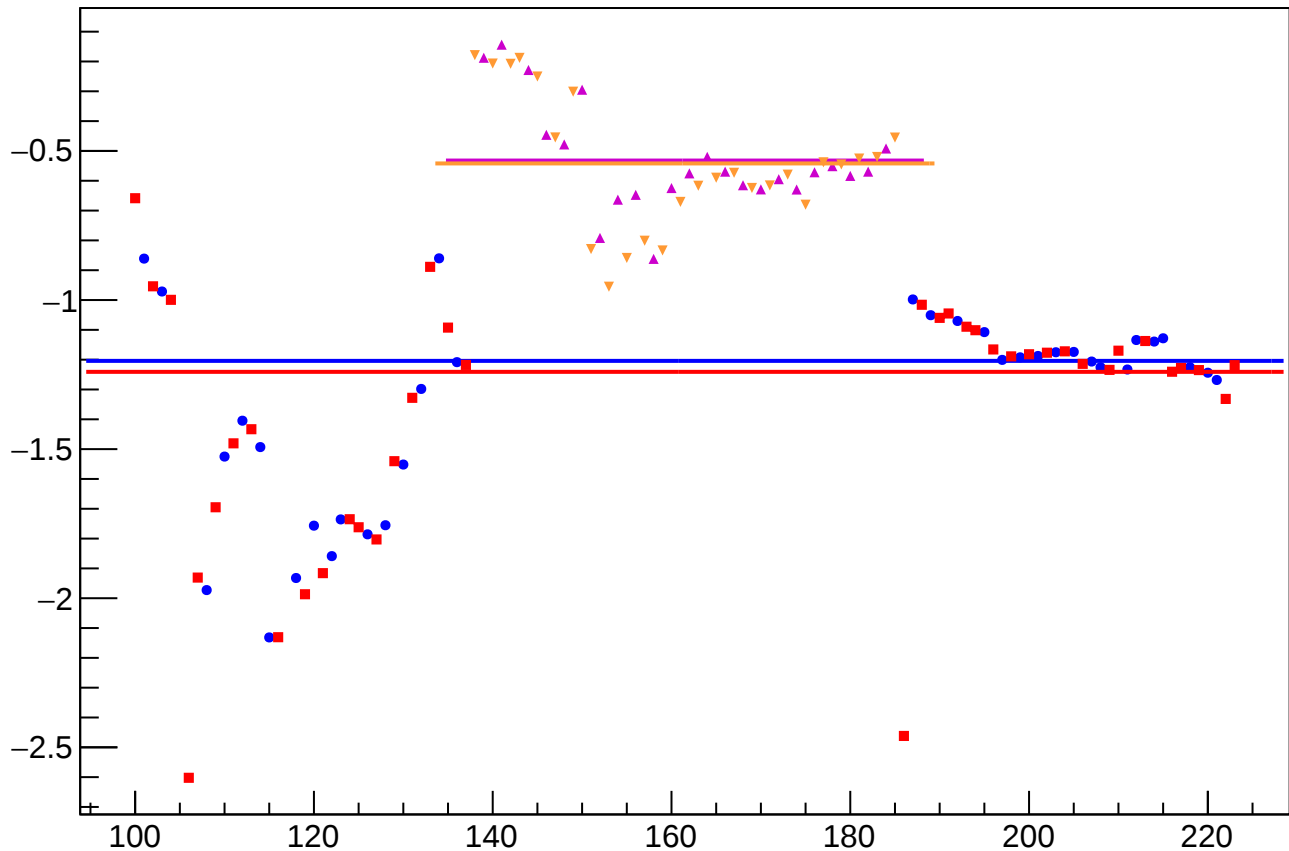
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 697577.8/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2862952.3/59

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 5975967.3/121

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 3098835.8/61

yield_bpm0i05Y_mean vs Slug



Right In: -1.204 ± 0.000 χ^2/NDF : 27166375041.3/34

Left Out: -0.542 ± 0.000 χ^2/NDF : 47268284910.3/24

Right Out: -1.241 ± 0.000 χ^2/NDF : 79748661683.8/38

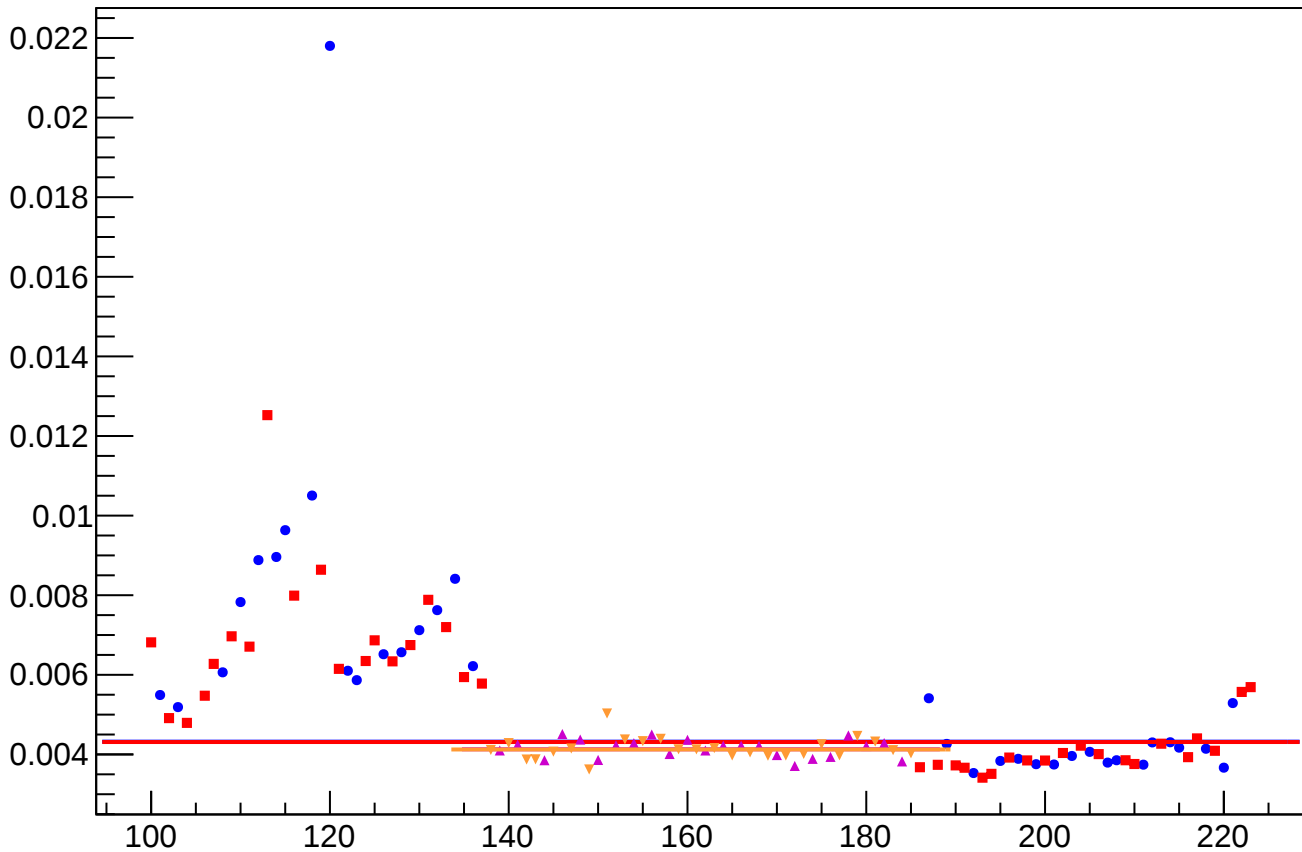
Left In: -0.532 ± 0.000 χ^2/NDF : 30715235426.8/22

+ sign -0.856 ± 0.000 χ^2/NDF : 280839170384.7/59

All: -0.871 ± 0.000 χ^2/NDF : 627353749526.8

- sign -0.887 ± 0.000 χ^2/NDF : 345644375071.8/61

yield_bpm0i05Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2174588.5/34

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:113033.9/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2016573.2/38

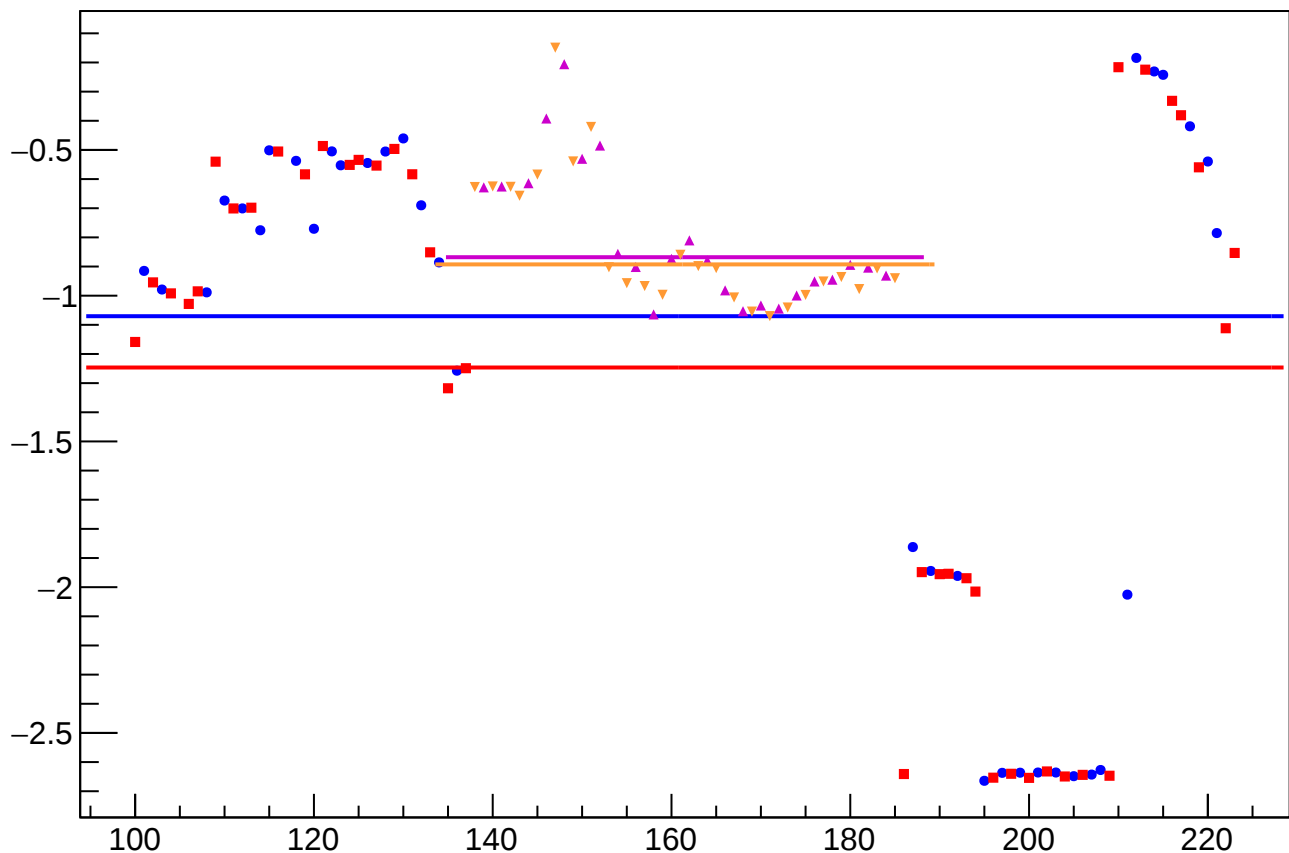
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:93111.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2323874.2/59

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4464586.2/121

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2140693.2/61

yield_bpm0i07X_mean vs Slug



Right In: -1.070 ± 0.000 χ^2/NDF : 588441028080.6/34

Left Out: -0.893 ± 0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.246 ± 0.000 χ^2/NDF : 702888697737.0/38

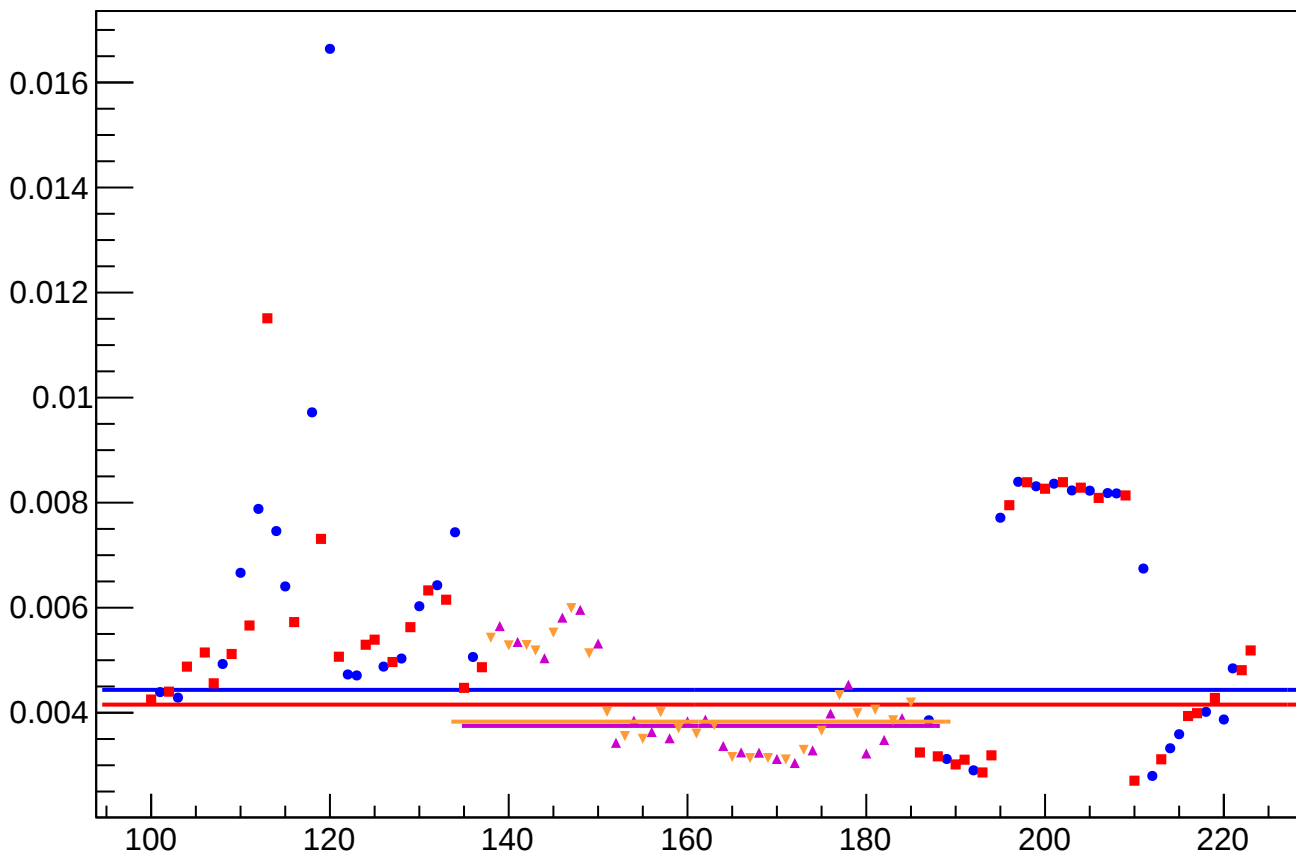
Left In: -0.868 ± 0.000 χ^2/NDF : 43853190177.2/22

+ sign -0.967 ± 0.000 χ^2/NDF : 644169195171.0/59

All: -1.008 ± 0.000 χ^2/NDF : 1471766793051

- sign -1.045 ± 0.000 χ^2/NDF : 821510495456.8/61

yield_bpm0i07X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 5126802.4/34

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 4776969.4/38

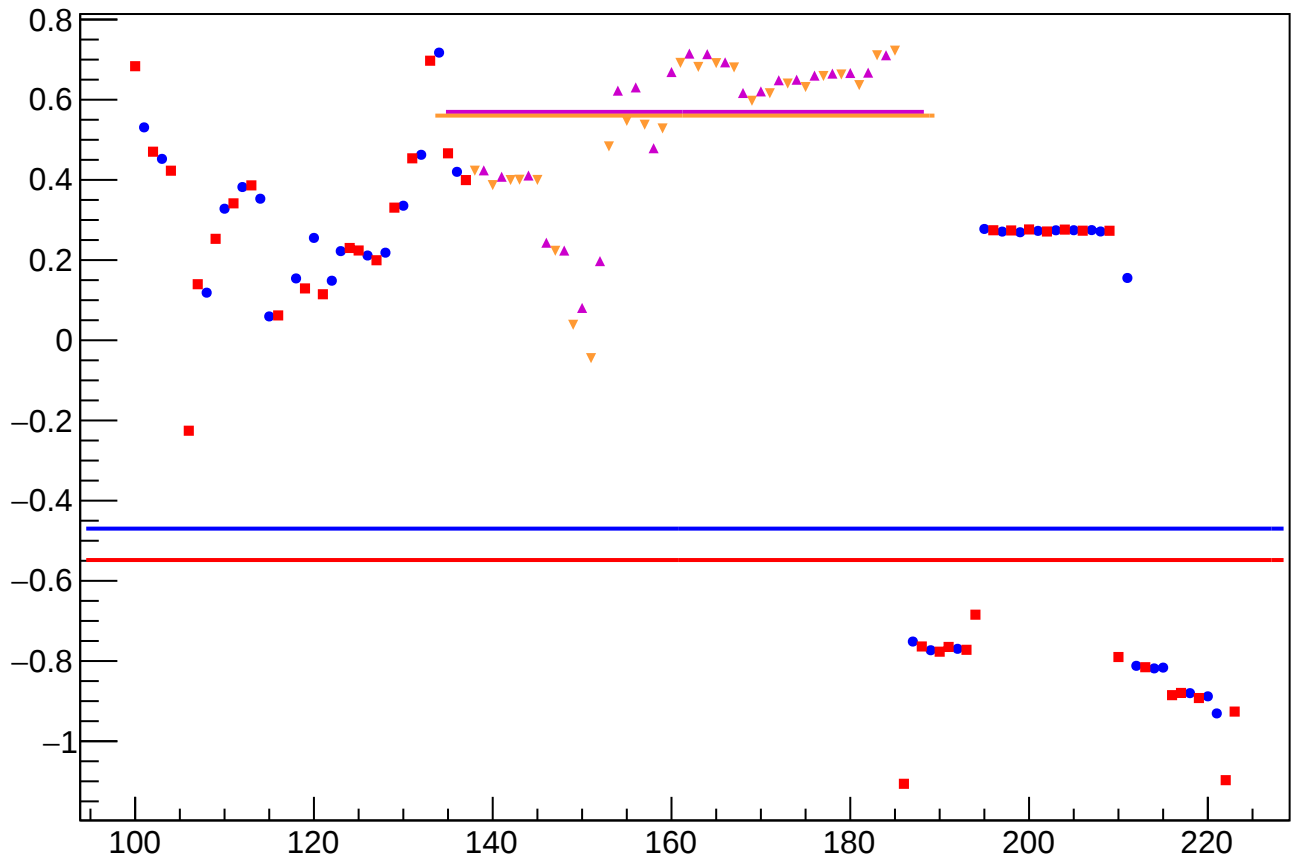
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6652518.0/59

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12932969.3/121

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6237455.4/61

yield_bpm0i07Y_mean vs Slug



Right In: -0.470 ± 0.000 χ^2/NDF : 601217607629.7/34

Left Out: 0.560 ± 0.000 χ^2/NDF : 45205806387.2/24

Right Out: -0.548 ± 0.000 χ^2/NDF : 652001052470.2/38

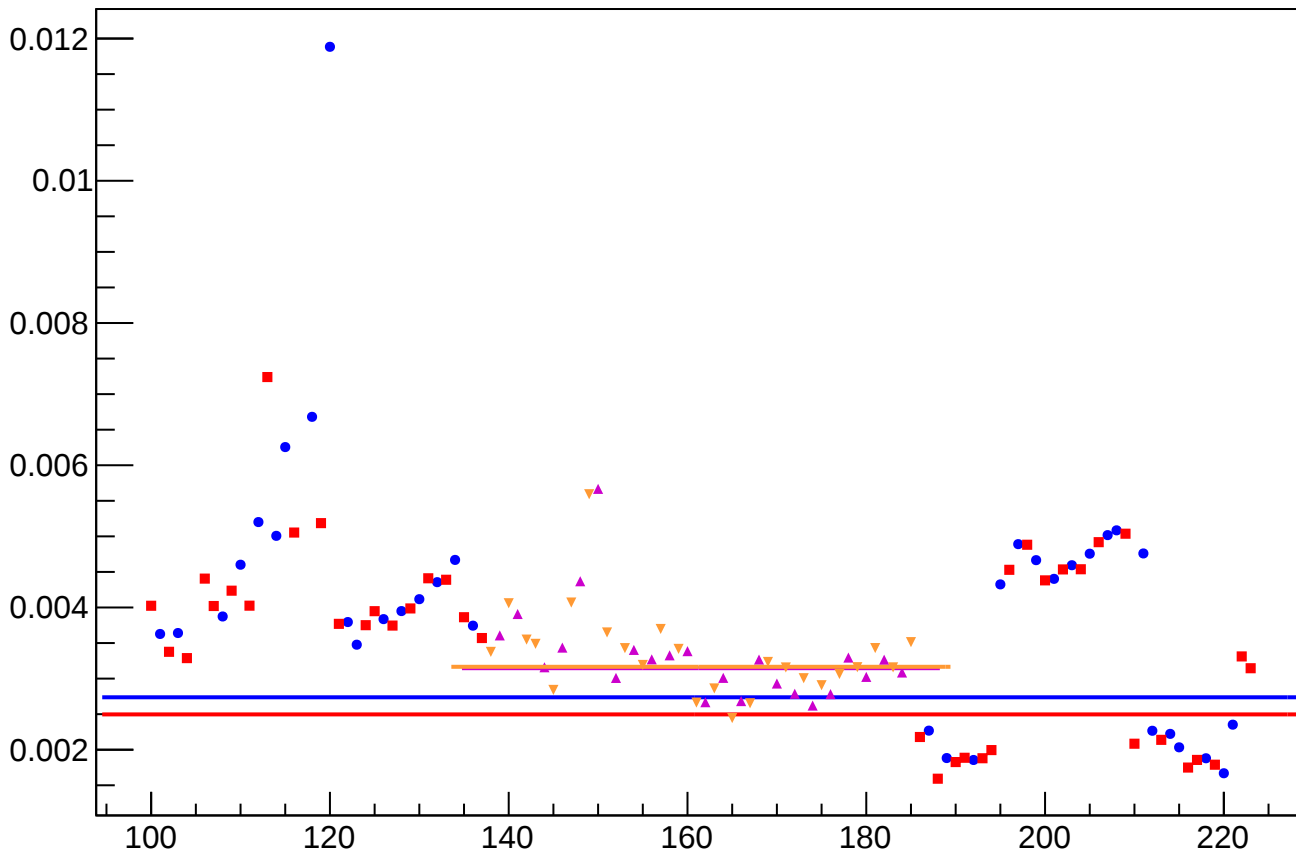
Left In: 0.570 ± 0.000 χ^2/NDF : 42104067973.0/22

+ sign -0.016 ± 0.000 χ^2/NDF : 1607325801856.8/5

All: -0.073 ± 0.000 χ^2/NDF : 3533156151149

- sign -0.125 ± 0.000 χ^2/NDF : 1902936808089.5/6

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 5832253.0/34

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.002+/-0.000 χ^2/NDF : 5920564.1/38

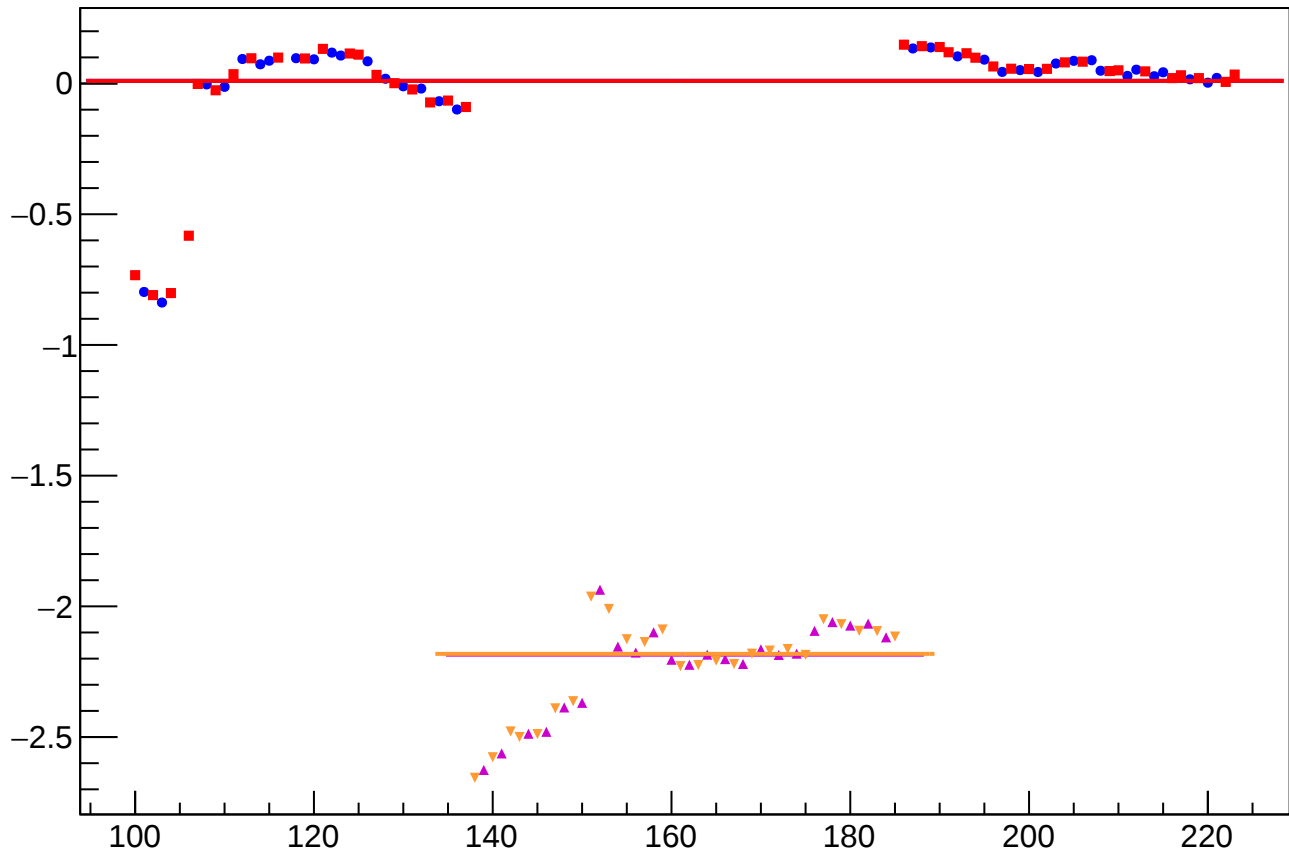
Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 6910203.8/59

All: 0.003+/-0.000 χ^2/NDF : 14494504.6/121

- sign 0.003+/-0.000 χ^2/NDF : 7453900.2/61

yield_bpm1i02X_mean vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 5918739677.6/34

Left Out: -2.182+/-0.000 χ^2/NDF : 4008829567.0/24

Right Out: 0.010+/-0.000 χ^2/NDF : 6989079470.8/38

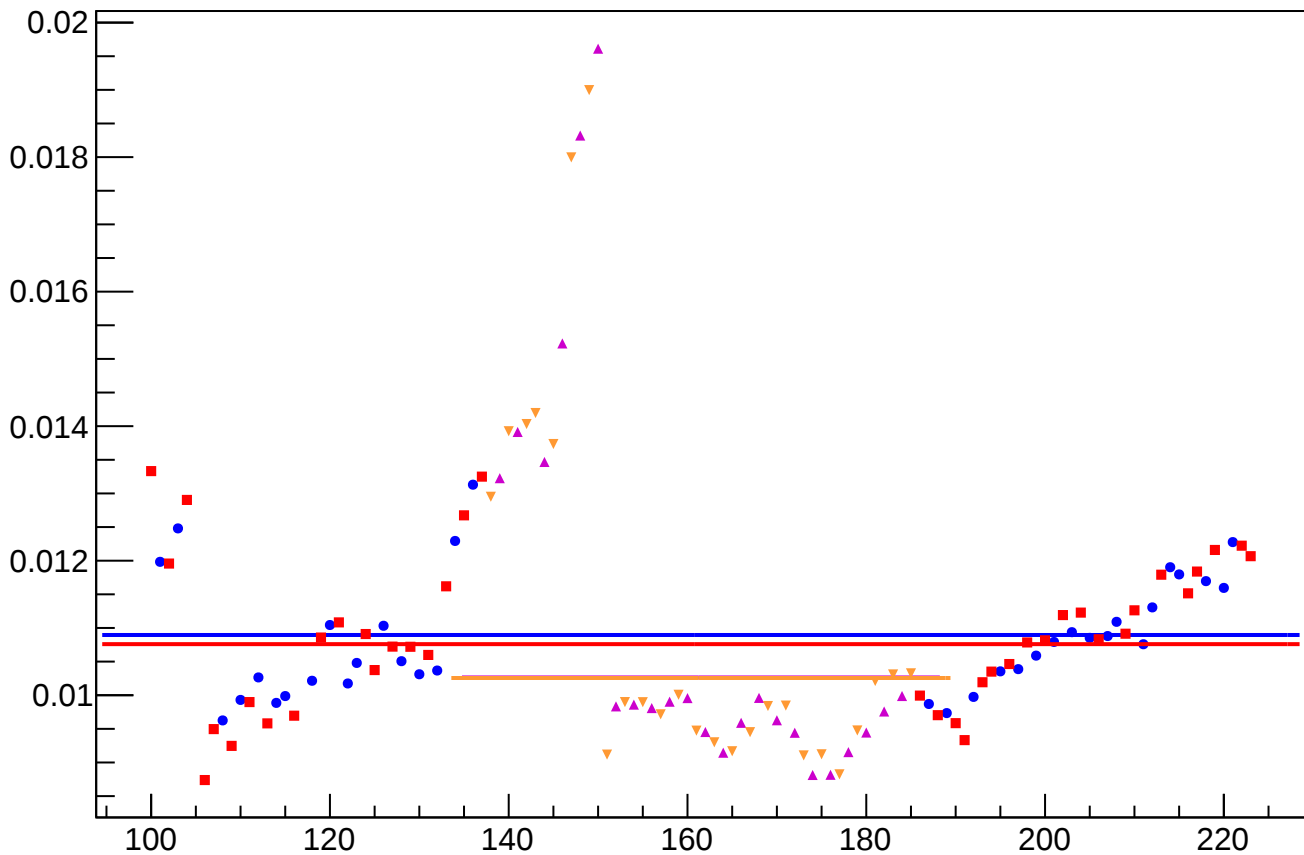
Left In: -2.185+/-0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.092+/-0.000 χ^2/NDF : 410794557399.1/59

All: -1.059+/-0.000 χ^2/NDF : 822138498501.9

- sign -1.026+/-0.000 χ^2/NDF : 410626687490.8/61

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 224204.3/34

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 328058.3/38

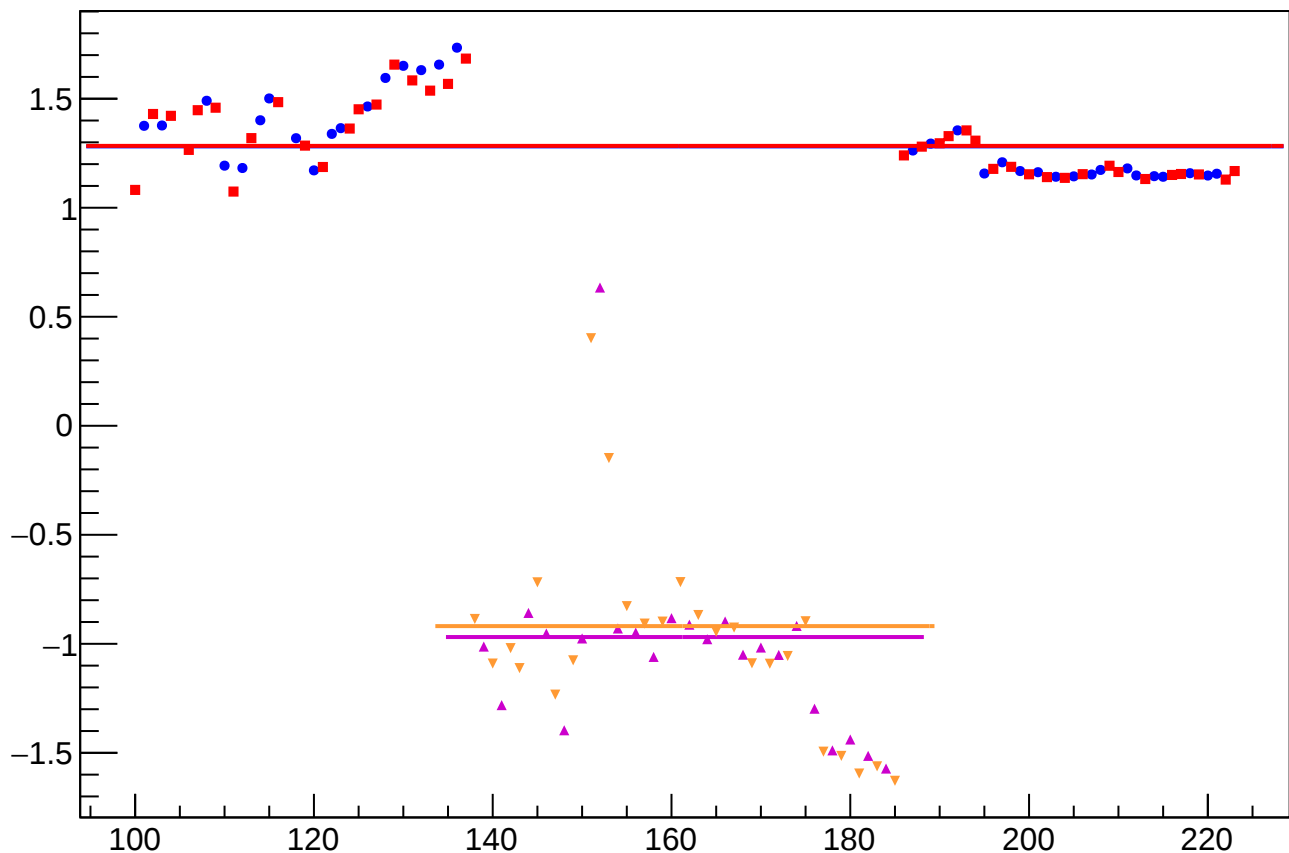
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 1563048.4/59

All: 0.011+/-0.000 χ^2/NDF : 3272869.0/121

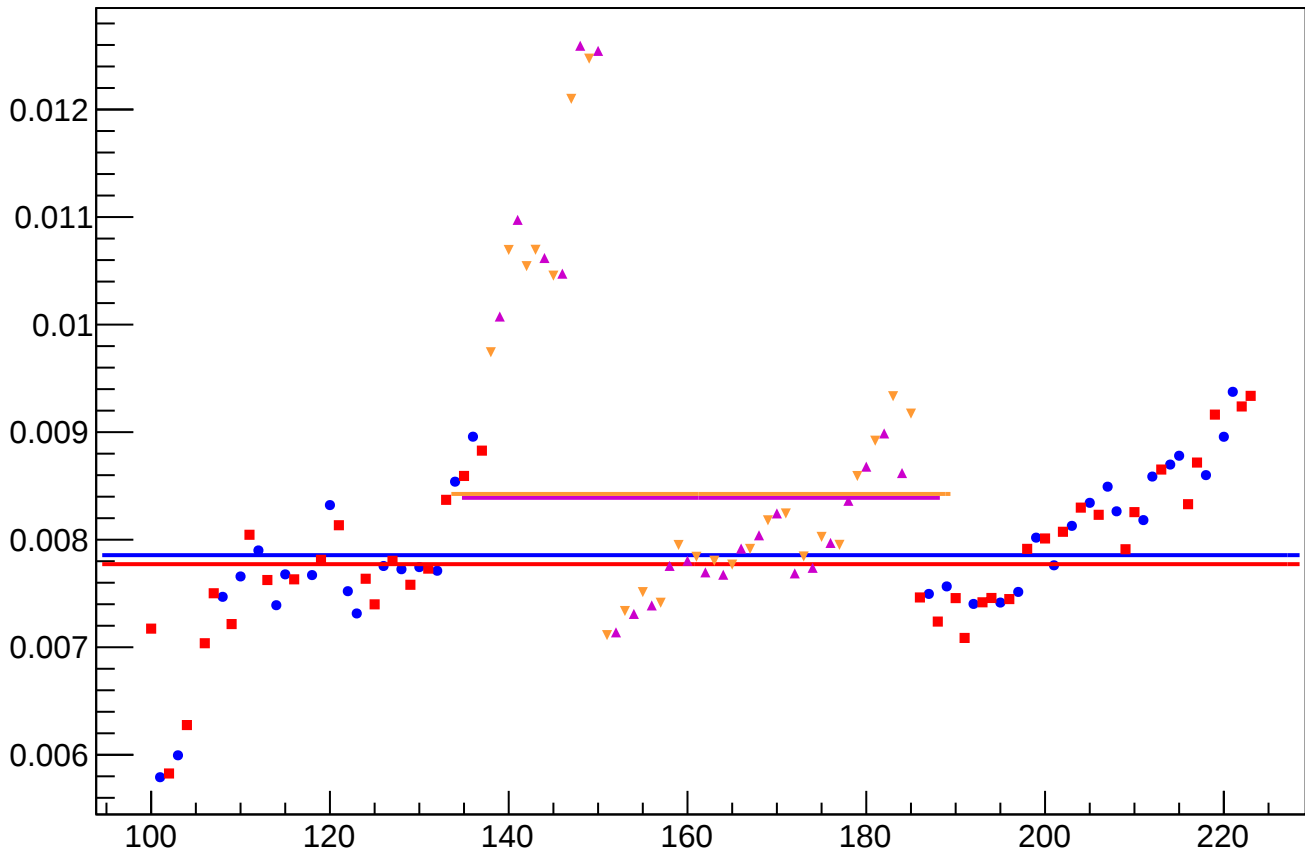
- sign 0.011+/-0.000 χ^2/NDF : 1709042.7/61

yield_bpm1i02Y_mean vs Slug



Right In: 1.281+/-0.000	χ^2/NDF : 9132254782.4/34	+ sign 0.308+/-0.000	χ^2/NDF : 745186764567.6/59
Left Out: -0.919+/-0.000	χ^2/NDF : 55622252895.8/24	All: 0.329+/-0.000	χ^2/NDF : 1519065973333.
Right Out: 1.284+/-0.000	χ^2/NDF : 7396483860.3/38	- sign 0.349+/-0.000	χ^2/NDF : 773382982438.3/61
Left In: -0.969+/-0.000	χ^2/NDF : 54895002535.8/22		

yield_bpm1i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 456472.8/34

Left Out: 0.008+/-0.000 χ^2/NDF : 792337.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 396826.6/38

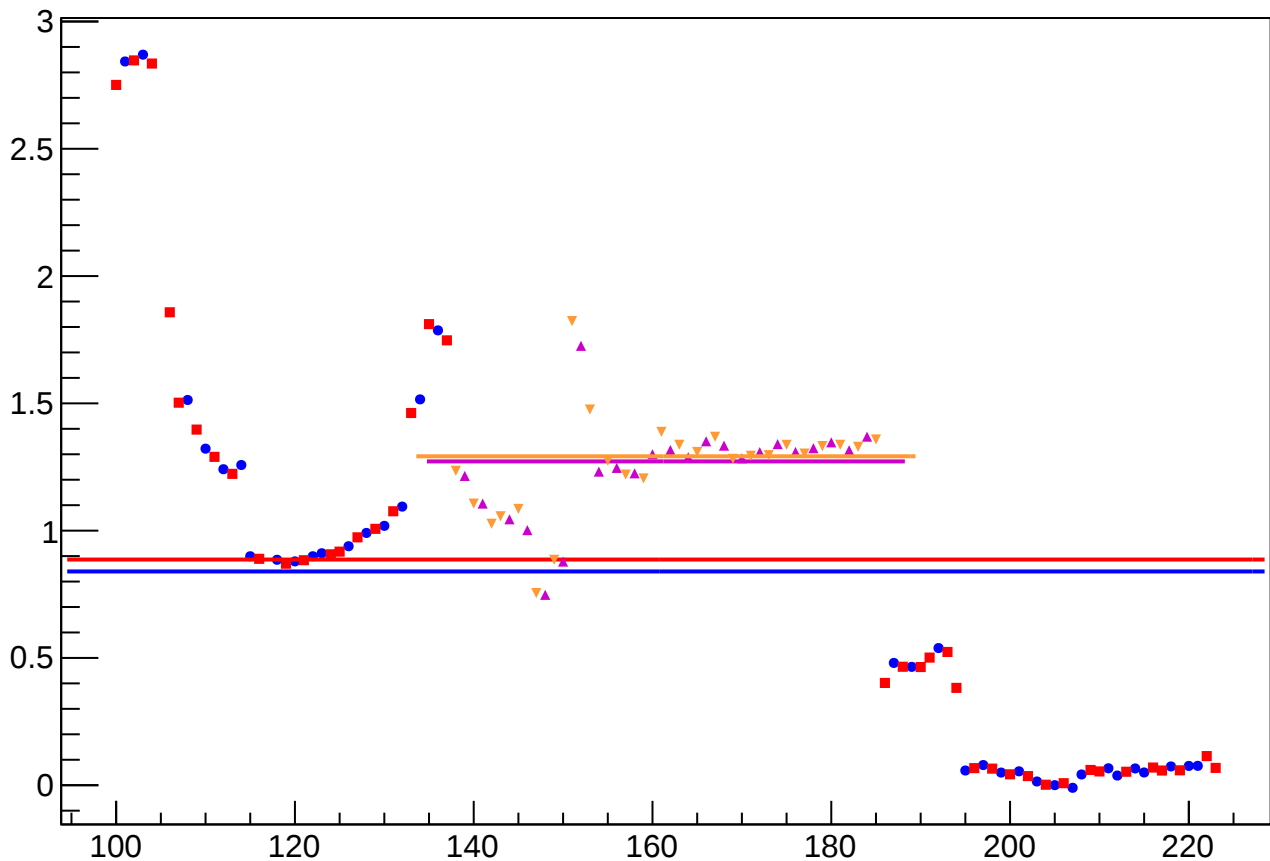
Left In: 0.008+/-0.000 χ^2/NDF : 839880.4/22

+ sign 0.008+/-0.000 χ^2/NDF : 1339889.7/59

All: 0.008+/-0.000 χ^2/NDF : 2686894.5/121

- sign 0.008+/-0.000 χ^2/NDF : 1343360.4/61

yield_bpm1i04X_mean vs Slug



Right In: 0.840 $\pm$ 0.000 χ^2 /NDF: 152890430019.6/34

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

+ sign 1.072 $\pm$ 0.000 χ^2 /NDF: 188378711961.3/59

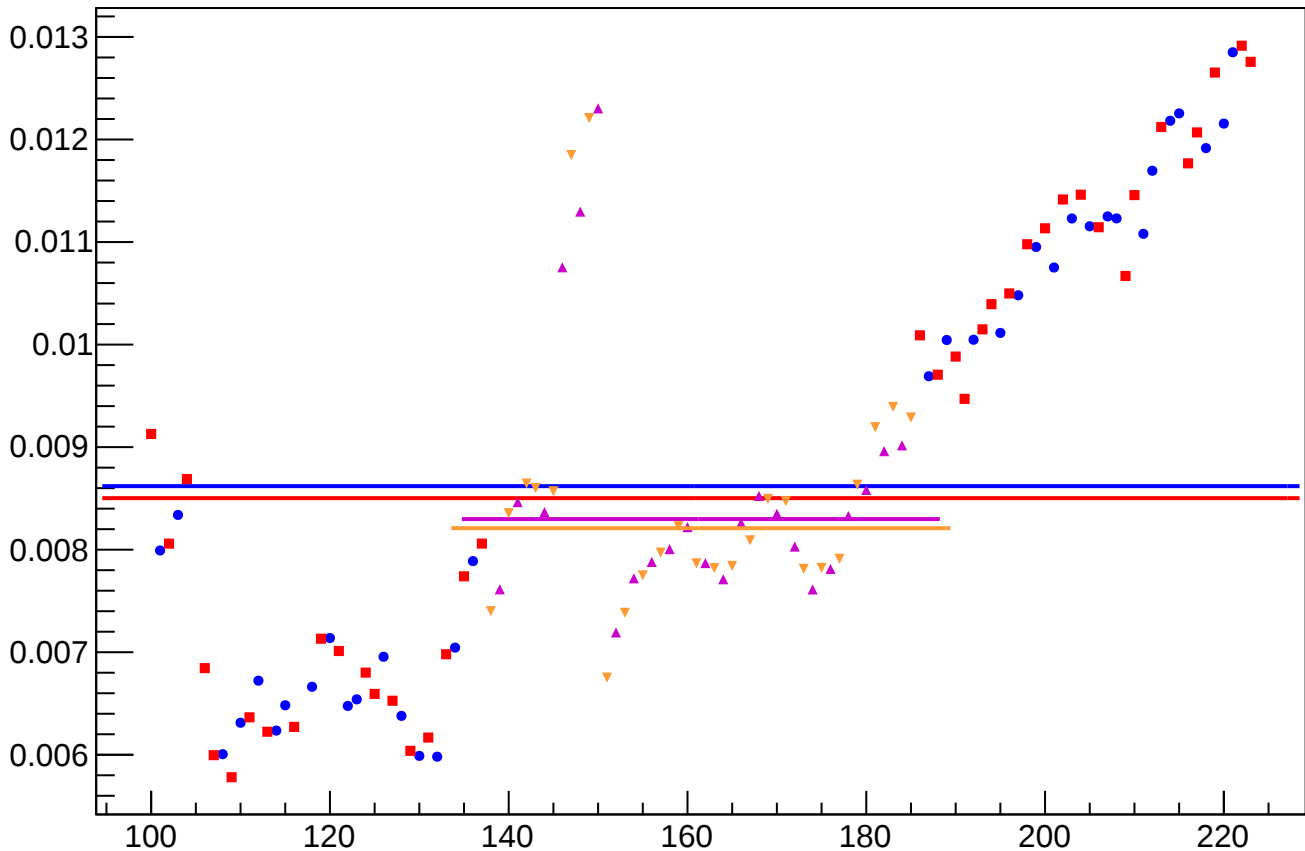
Right Out: 0.887 $\pm$ 0.000 χ^2 /NDF: 148237151009.6/38

All: 1.071 $\pm$ 0.000 χ^2 /NDF: 363054022565.4

- sign 1.071 $\pm$ 0.000 χ^2 /NDF: 174675118448.1/61

Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

yield_bpm1i04X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 2626385.5/34

Left Out: 0.008+/-0.000 χ^2/NDF : 478864.9/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2797292.4/38

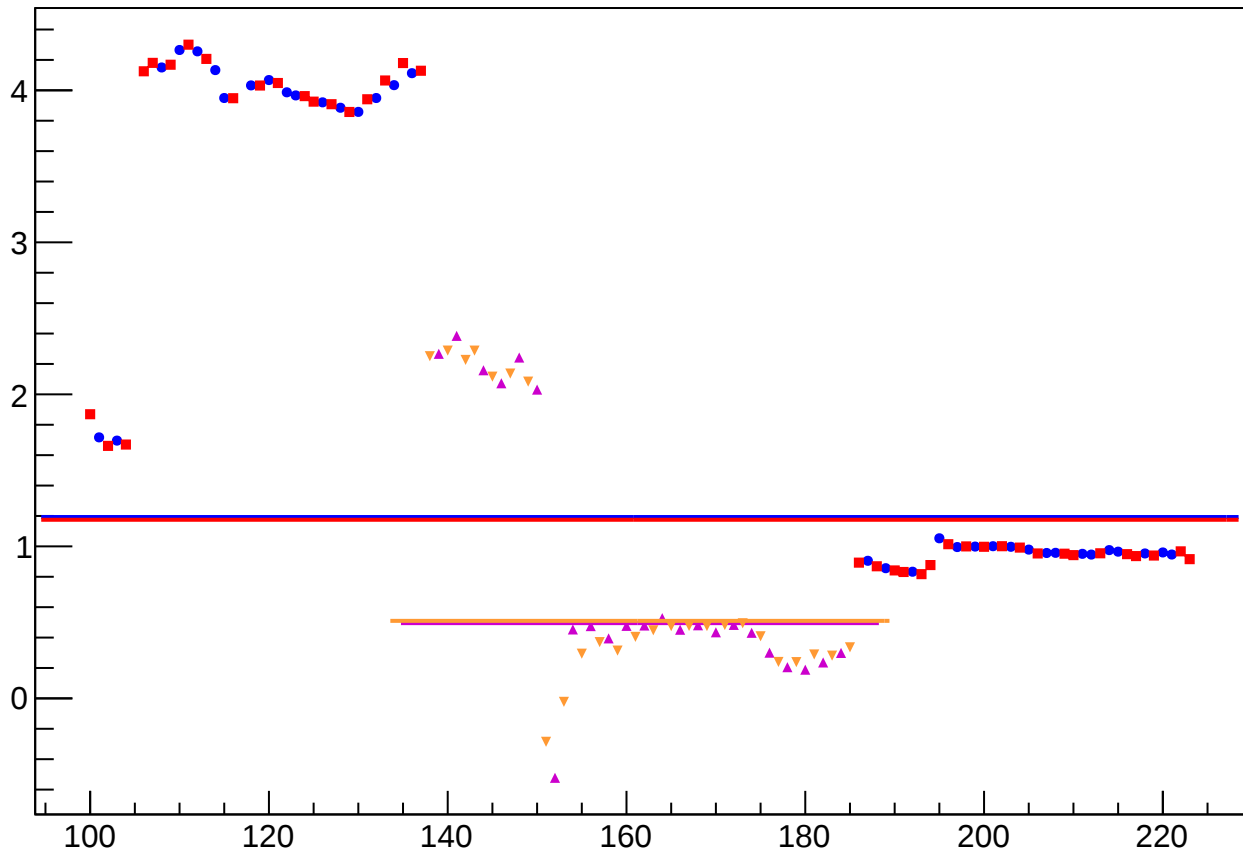
Left In: 0.008+/-0.000 χ^2/NDF : 462022.1/22

+ sign 0.008+/-0.000 χ^2/NDF : 3148239.2/59

All: 0.008+/-0.000 χ^2/NDF : 6418138.6/121

- sign 0.008+/-0.000 χ^2/NDF : 3269889.6/61

yield_bpm1i04Y_mean vs Slug



Right In: 1.193 $\pm$ 0.000 χ^2 /NDF: 1559053231102.7/34

Left Out: 0.510 $\pm$ 0.000 χ^2 /NDF: 274818814912.4/24

Right Out: 1.175 $\pm$ 0.000 χ^2 /NDF: 1749279787588.2/38

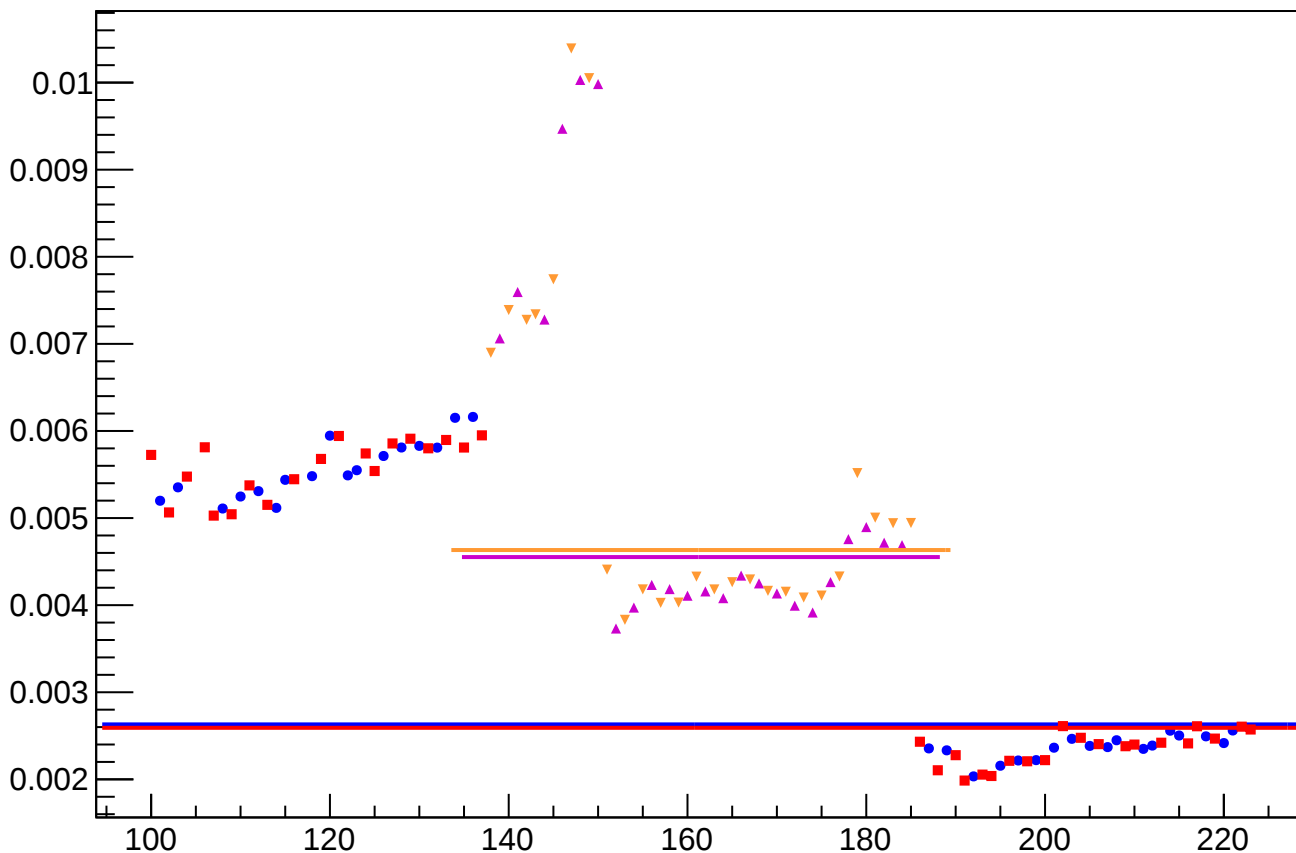
Left In: 0.495 $\pm$ 0.000 χ^2 /NDF: 268863202792.4/22

+ sign 1.028 $\pm$ 0.000 χ^2 /NDF: 2108563387135.6/59

All: 1.024 $\pm$ 0.000 χ^2 /NDF: 4397787477869.

- sign 1.021 $\pm$ 0.000 χ^2 /NDF: 2289147097103.1/61

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4210911.9/34

Left Out: 0.005+/-0.000 χ^2/NDF :2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4485779.9/38

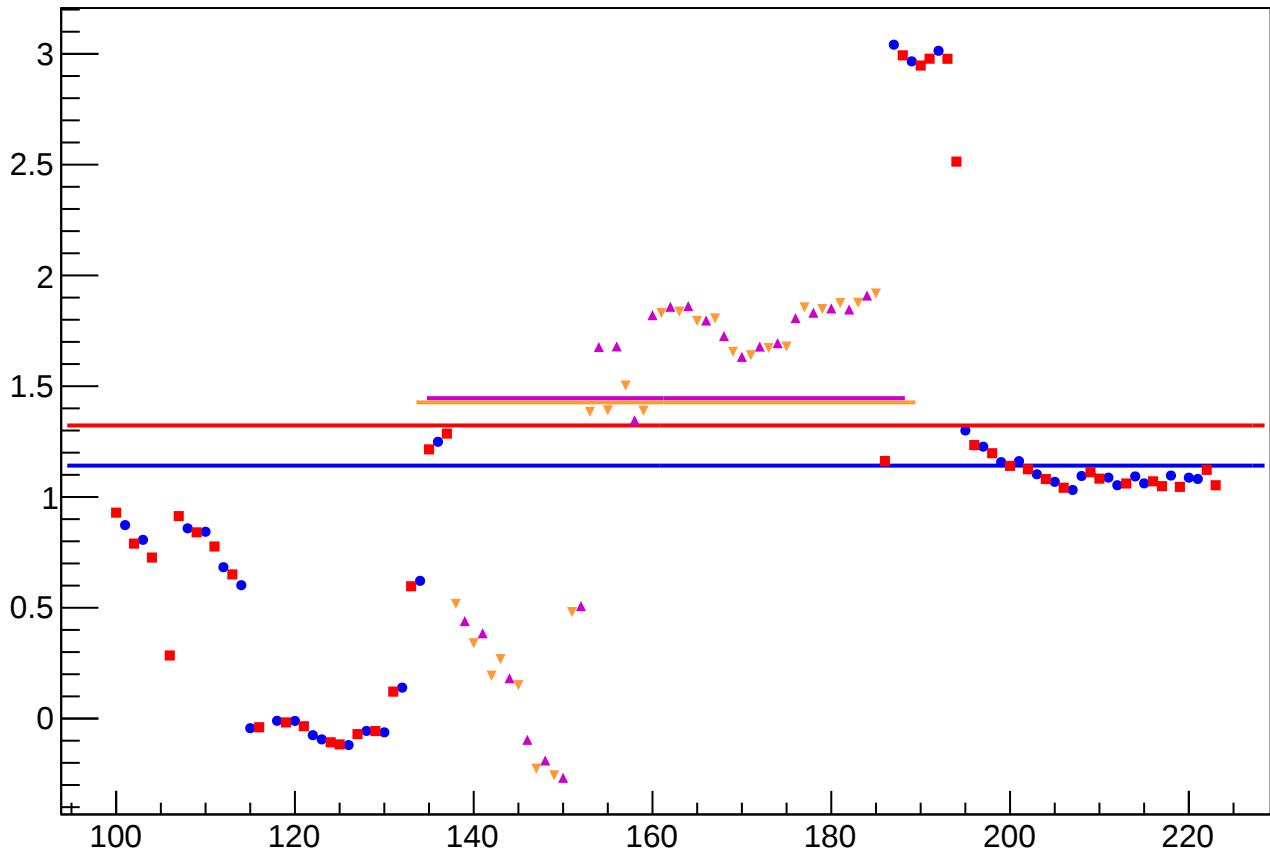
Left In: 0.005+/-0.000 χ^2/NDF :2237666.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 11044704.2/59

All: 0.003+/-0.000 χ^2/NDF : 22294176.1/121

- sign 0.003+/-0.000 χ^2/NDF : 11228845.6/61

yield_bpm1i06X_mean vs Slug



Right In: 1.142 $\pm$ 0.000 χ^2 /NDF: 72940795543.5/34

Left Out: 1.427 $\pm$ 0.000 χ^2 /NDF: 49990787038.3/24

+ sign 1.301 $\pm$ 0.000 χ^2 /NDF: 128034896534.3/59

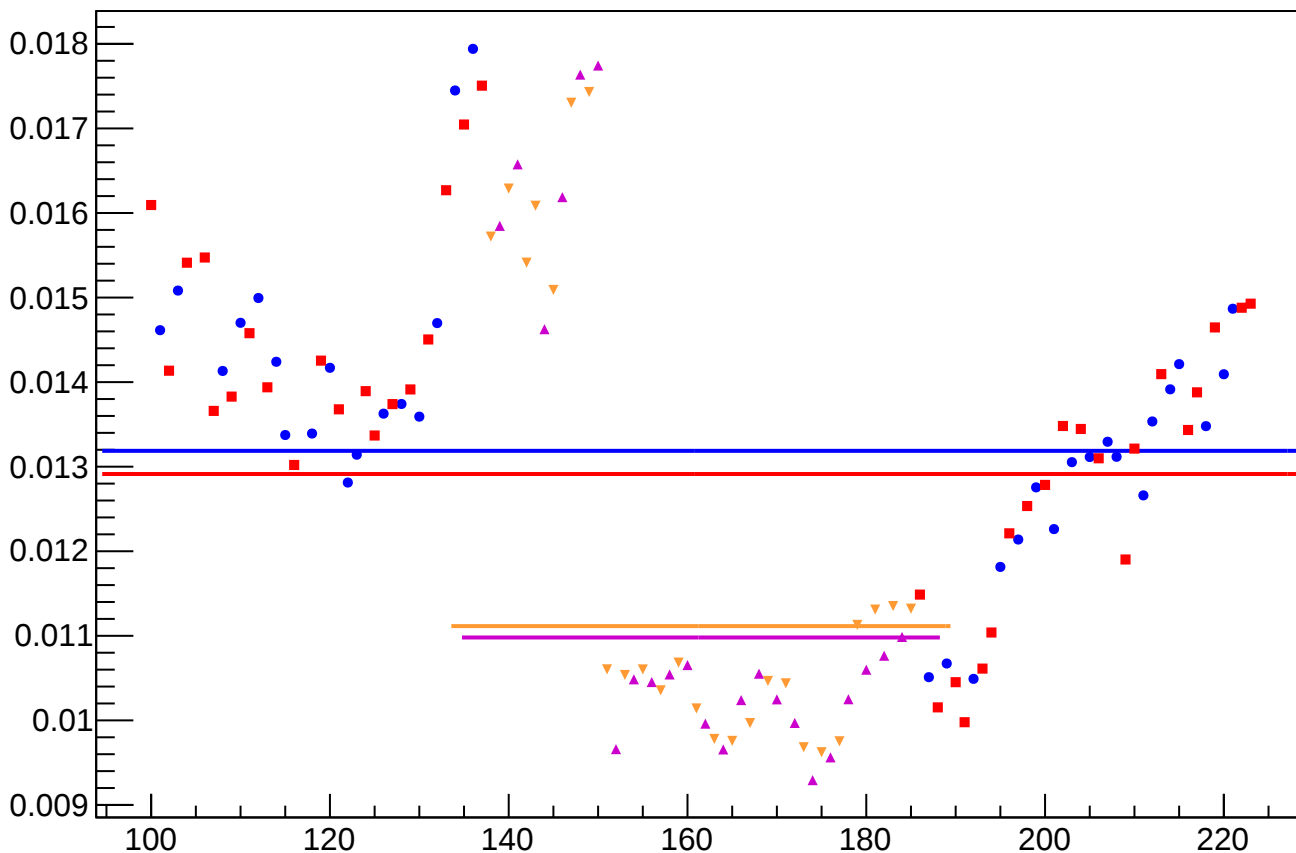
Right Out: 1.323 $\pm$ 0.000 χ^2 /NDF: 102416703278.1/38

All: 1.345 $\pm$ 0.000 χ^2 /NDF: 286153845243.3

Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

- sign 1.389 $\pm$ 0.000 χ^2 /NDF: 157142070017.2/61

yield_bpm1i06X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 488390.2/34

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:1227493.2/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 664701.7/38

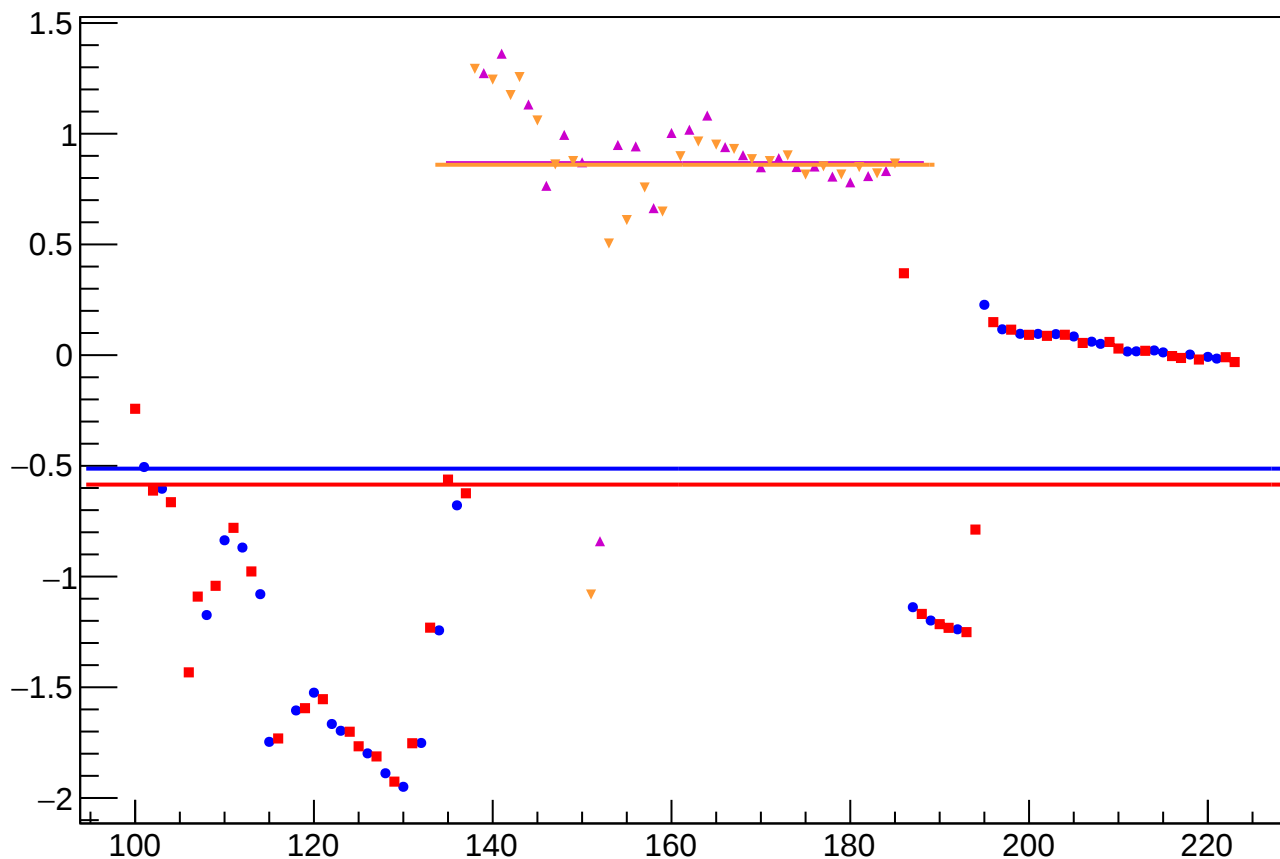
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:1264827.0/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2254137.9/59

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4667970.3/121

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2408389.5/61

yield_bpm1i06Y_mean vs Slug



Right In: -0.513+/-0.000 χ^2/NDF : 211775255832.6/34

Left Out: 0.860+/-0.000 χ^2/NDF : 126335891175.4/24

Right Out: -0.585+/-0.000 χ^2/NDF : 201755339732.0/38

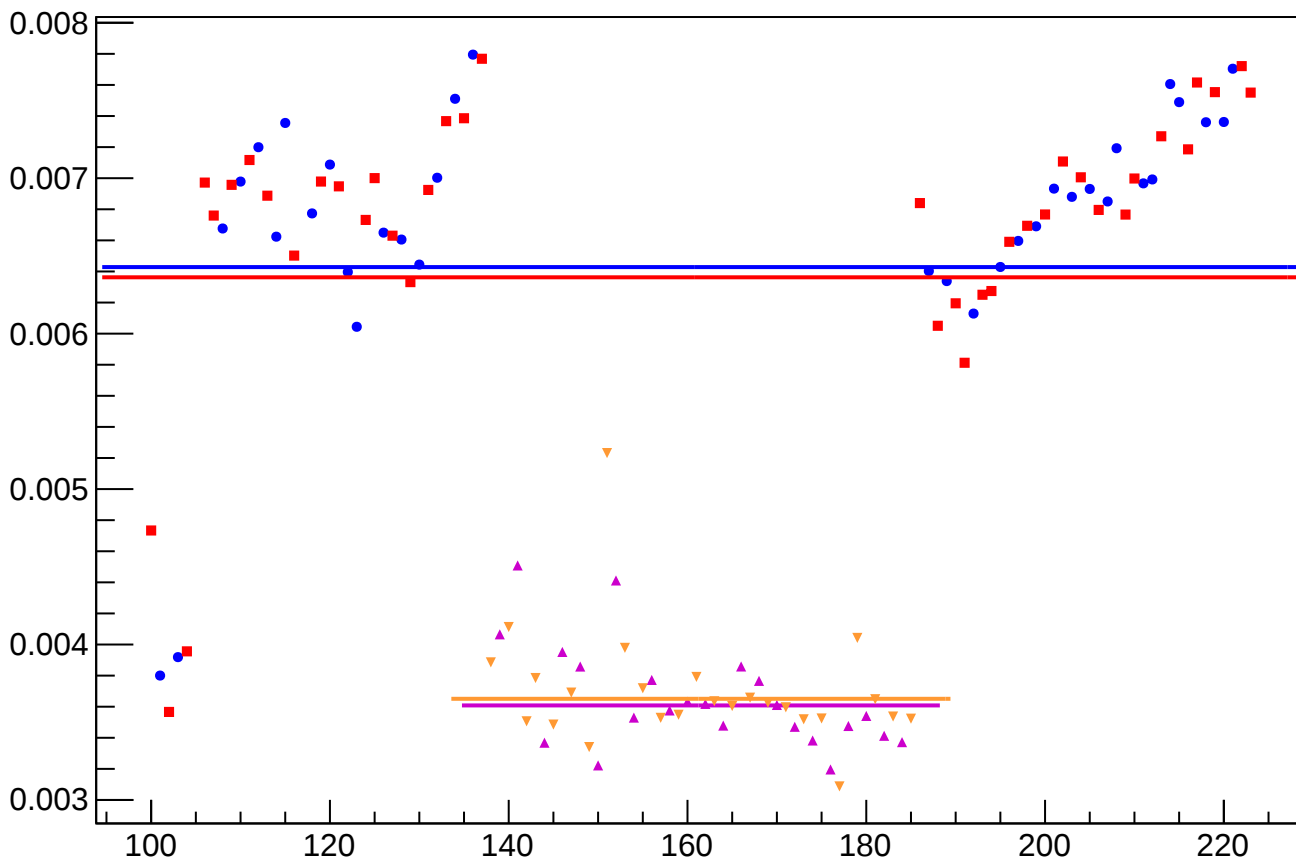
Left In: 0.867+/-0.000 χ^2/NDF : 147039402944.6/22

+ sign 0.499+/-0.000 χ^2/NDF : 958965412132.8/59

All: 0.479+/-0.000 χ^2/NDF : 2023509041202.0

- sign 0.459+/-0.000 χ^2/NDF : 1063225899035.0/61

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1250954.9/34

Left Out: 0.004+/-0.000 χ^2/NDF : 237262.6/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1338692.3/38

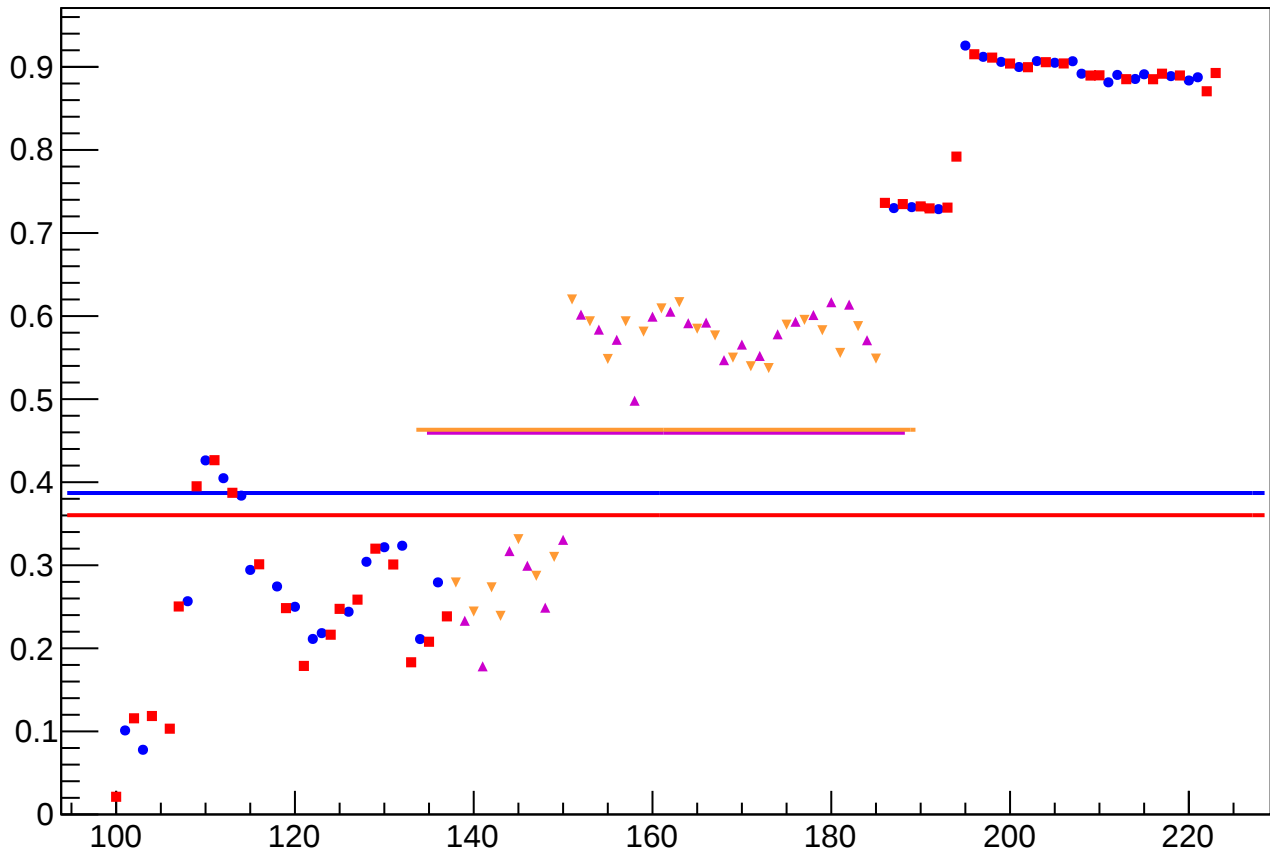
Left In: 0.004+/-0.000 χ^2/NDF : 227861.4/22

+ sign 0.004+/-0.000 χ^2/NDF : 6572963.1/59

All: 0.004+/-0.000 χ^2/NDF : 13282385.1/121

- sign 0.004+/-0.000 χ^2/NDF : 6709421.7/61

yield_bpm2i01X_mean vs Slug



Right In: 0.387 $\pm$ 0.000 χ^2 /NDF: 221852534947.9/34

Left Out: 0.463 $\pm$ 0.000 χ^2 /NDF:102506270538.7/24

Right Out: 0.360 $\pm$ 0.000 χ^2 /NDF: 233844301706.3/38

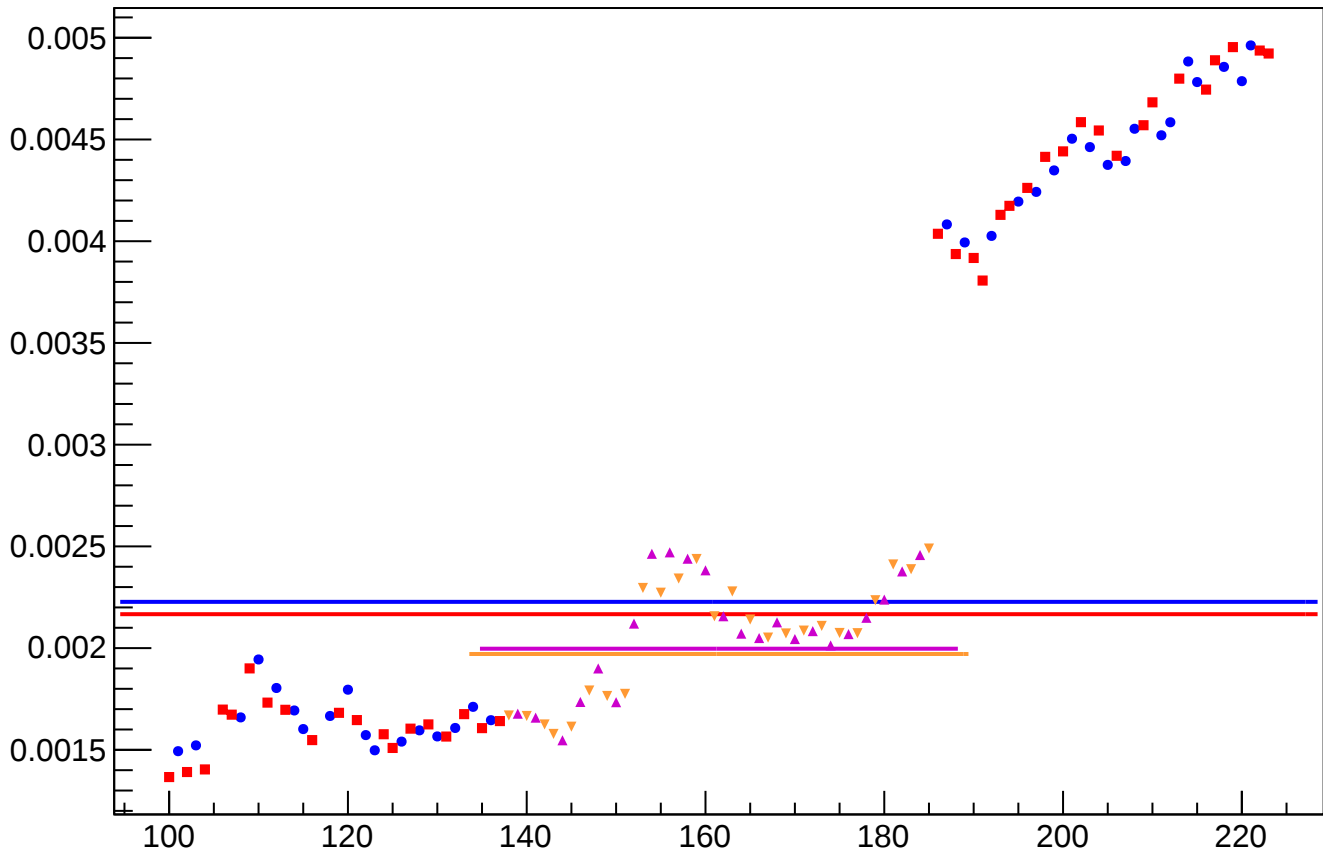
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF:104559088628.4/22

+ sign 0.433 $\pm$ 0.000 χ^2 /NDF: 335079741126.6/59

All: 0.424 $\pm$ 0.000 χ^2 /NDF: 693147108080.4

- sign 0.415 $\pm$ 0.000 χ^2 /NDF: 356919804152.0/61

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 8507074.3/34

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 9009397.2/38

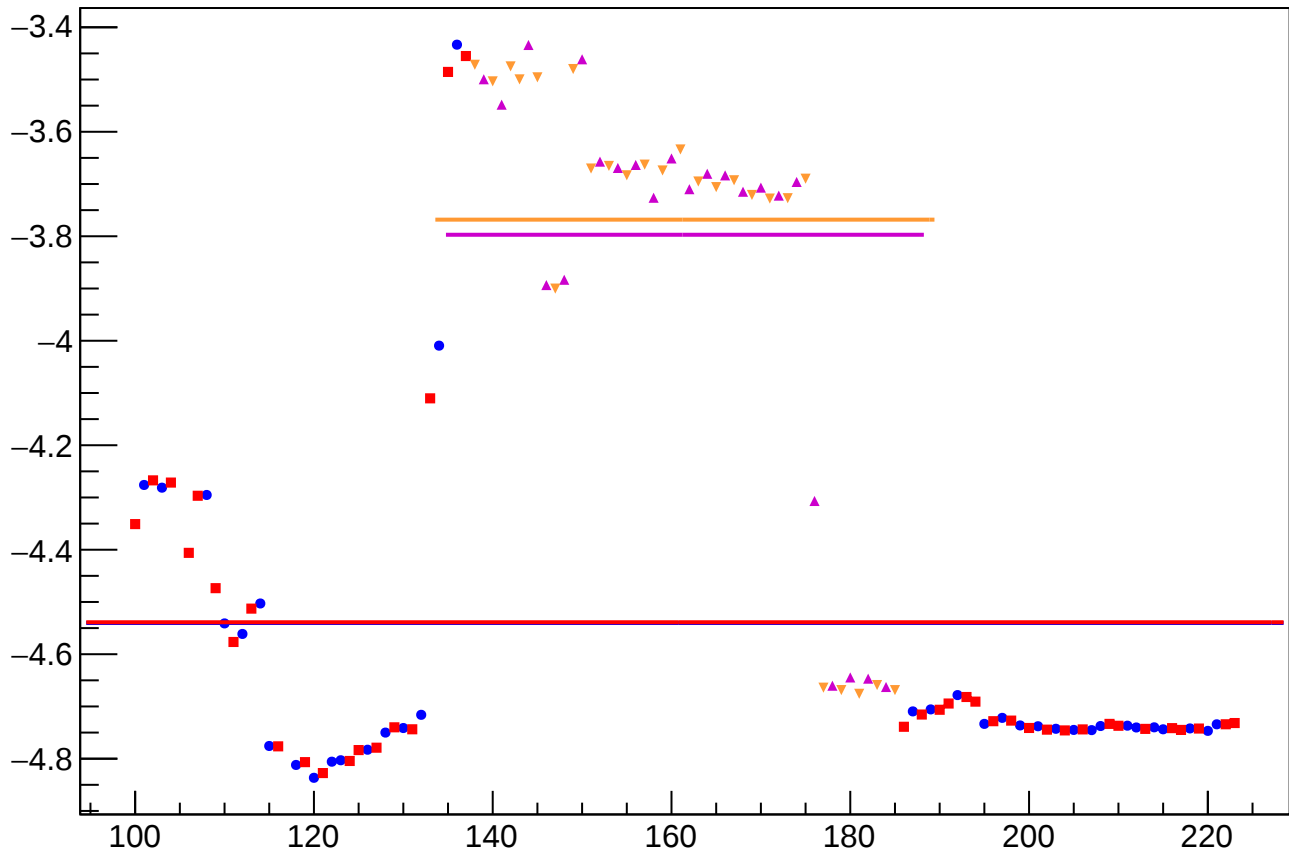
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 9480195.1/59

All: 0.002+/-0.000 χ^2/NDF : 19264193.5/121

- sign 0.002+/-0.000 χ^2/NDF : 9783986.6/61

yield_bpm2i01Y_mean vs Slug



Right In: -4.540 ± 0.000 χ^2/NDF : 454084805680.4/34

Left Out: -3.768 ± 0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.539 ± 0.000 χ^2/NDF : 389168789511.2/38

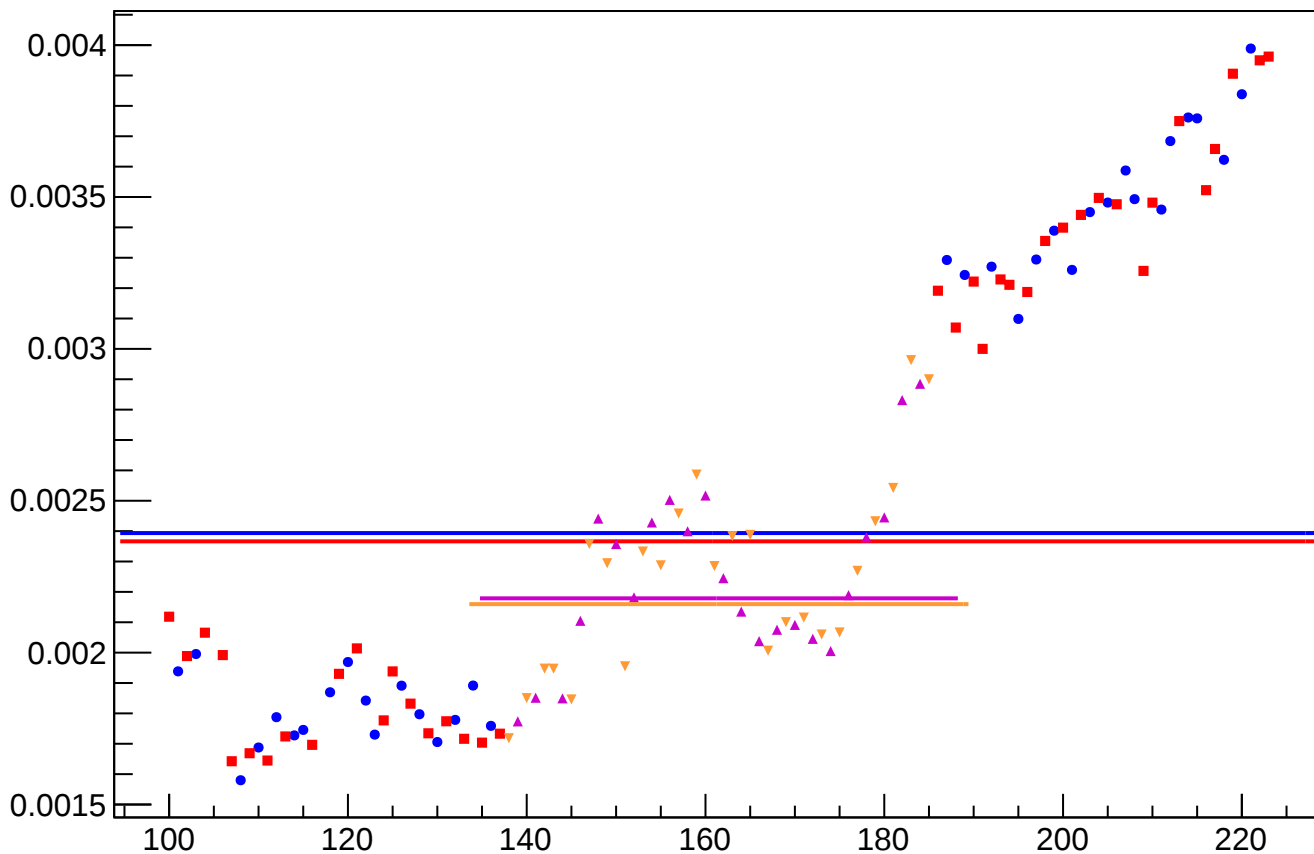
Left In: -3.797 ± 0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.113 ± 0.000 χ^2/NDF : 1984720266430.1/5

All: -4.133 ± 0.000 χ^2/NDF : 3761858079466

- sign -4.153 ± 0.000 χ^2/NDF : 1771501767353.7/6

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 4113940.4/34

Left Out: 0.002+/-0.000 χ^2/NDF :547831.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 4129490.9/38

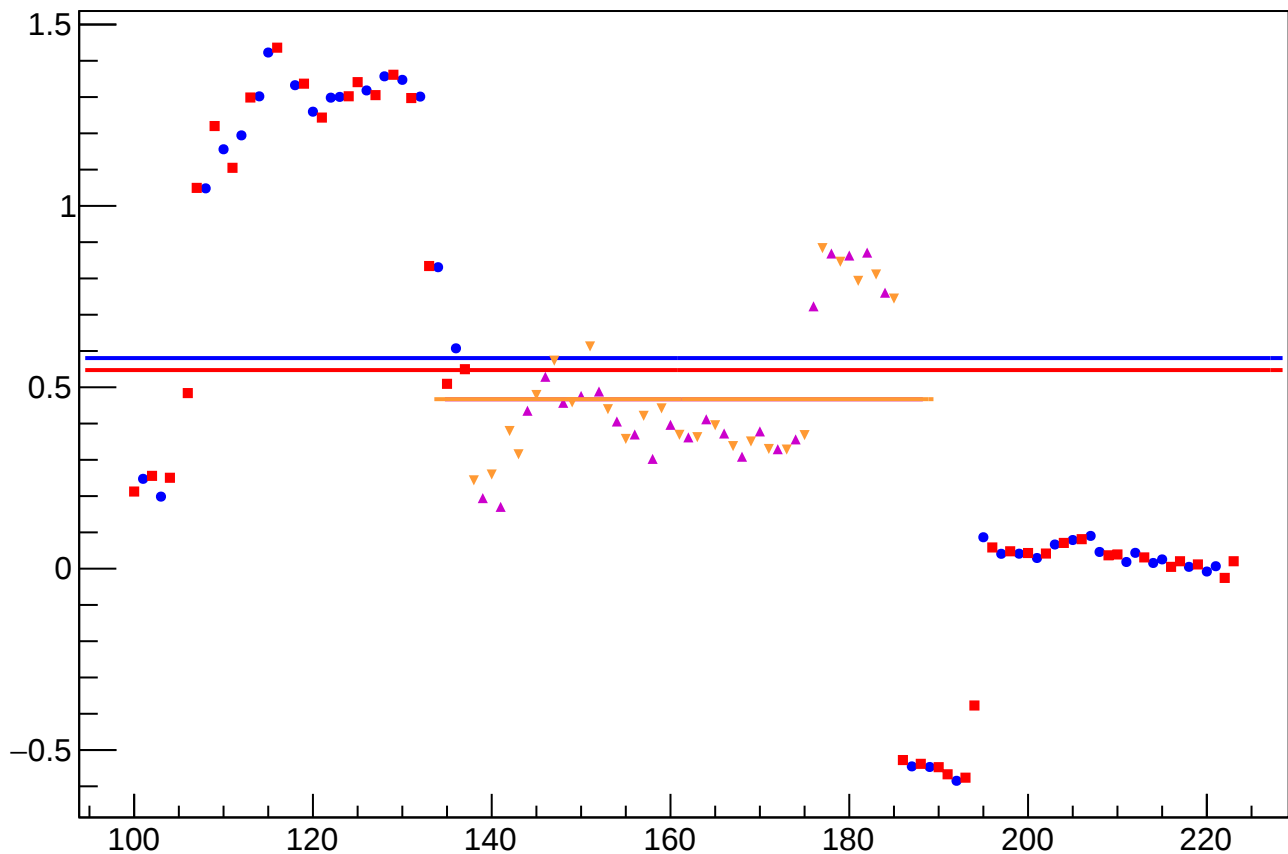
Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 4848041.1/59

All: 0.002+/-0.000 χ^2/NDF : 9560984.6/121

- sign 0.002+/-0.000 χ^2/NDF : 4712787.7/61

yield_bpm2i02X_mean vs Slug



Right In: 0.580 $\pm$ 0.000 χ^2 /NDF: 90603113170.0/34

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

Right Out: 0.547 $\pm$ 0.000 χ^2 /NDF: 107437123757.4/38

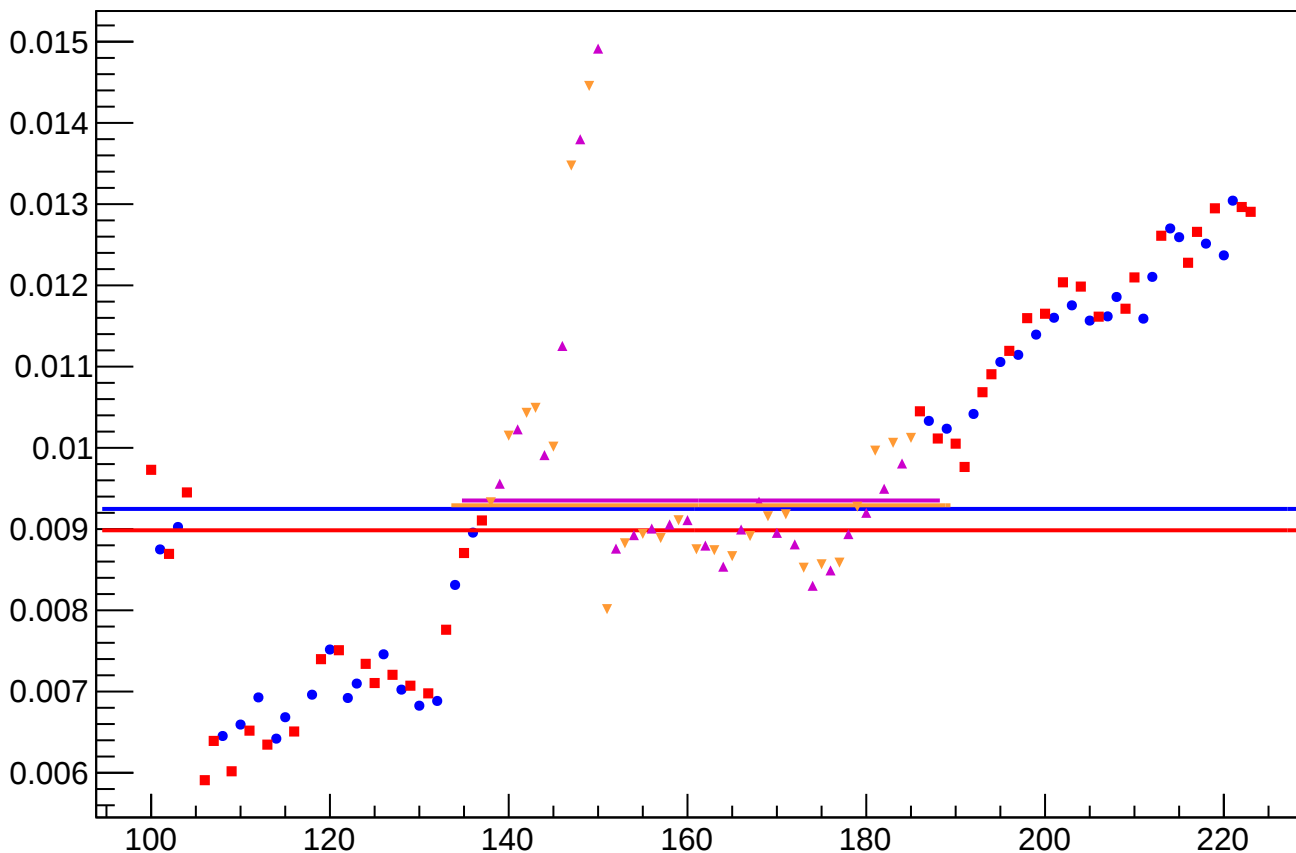
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

+ sign 0.525 $\pm$ 0.000 χ^2 /NDF: 99332735925.2/59

All: 0.518 $\pm$ 0.000 χ^2 /NDF: 215542719650.2

- sign 0.511 $\pm$ 0.000 χ^2 /NDF: 116168371686.7/61

yield_bpm2i02X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 2282954.6/34

Left Out: 0.009+/-0.000 χ^2/NDF :528279.5/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2709536.8/38

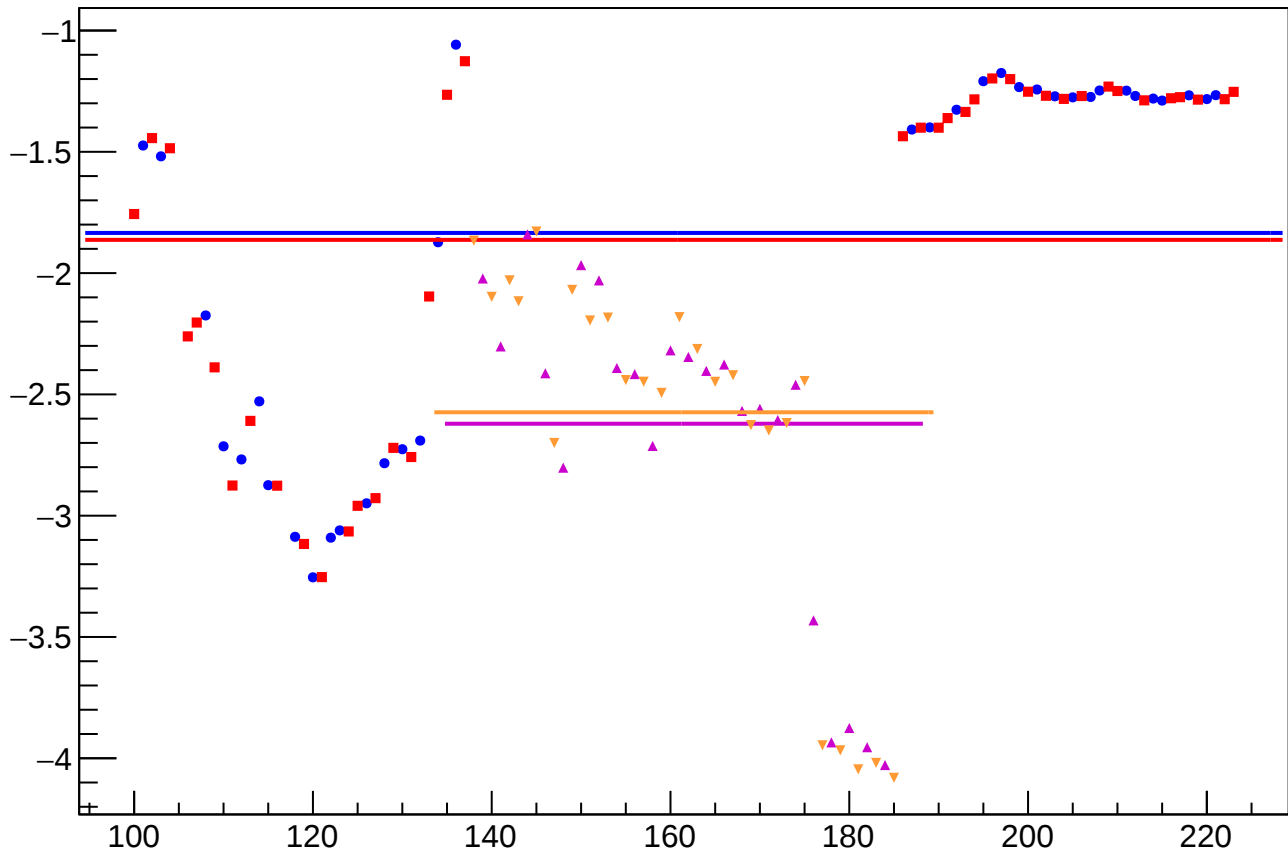
Left In: 0.009+/-0.000 χ^2/NDF :557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 2811661.0/59

All: 0.009+/-0.000 χ^2/NDF : 6113710.2/121

- sign 0.009+/-0.000 χ^2/NDF : 3295870.8/61

yield_bpm2i02Y_mean vs Slug



Right In: -1.834 ± 0.000 χ^2/NDF : 142969891711.0/34

Left Out: -2.574 ± 0.000 χ^2/NDF : 99176112704.9/24

Right Out: -1.863 ± 0.000 χ^2/NDF : 140431420554.1/38

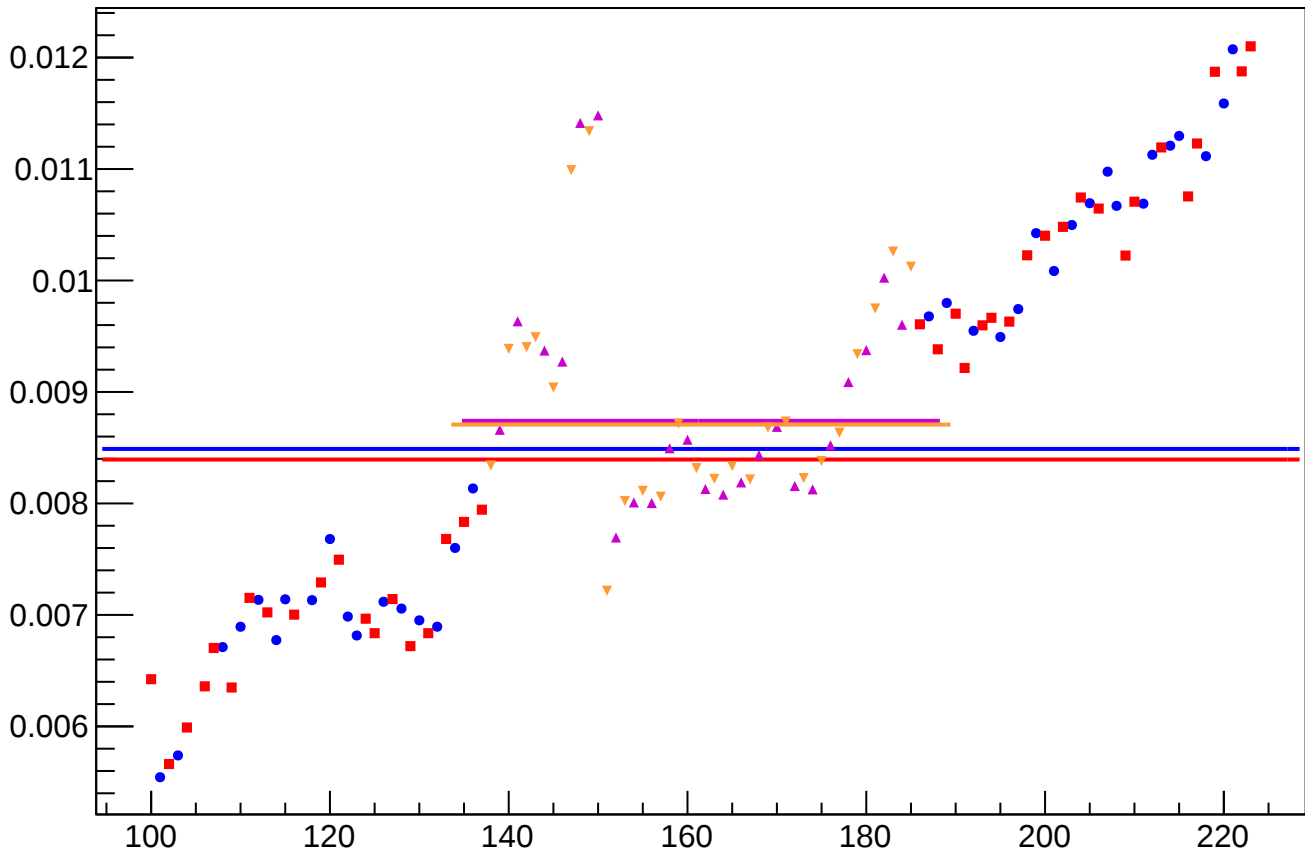
Left In: -2.621 ± 0.000 χ^2/NDF : 80862402796.4/22

+ sign -2.188 ± 0.000 χ^2/NDF : 310459052187.2/59

All: -2.194 ± 0.000 χ^2/NDF : 603175562996.0

- sign -2.201 ± 0.000 χ^2/NDF : 292674776099.1/61

yield_bpm2i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2127813.4/34

Left Out: 0.009+/-0.000 χ^2/NDF : 369376.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2070351.9/38

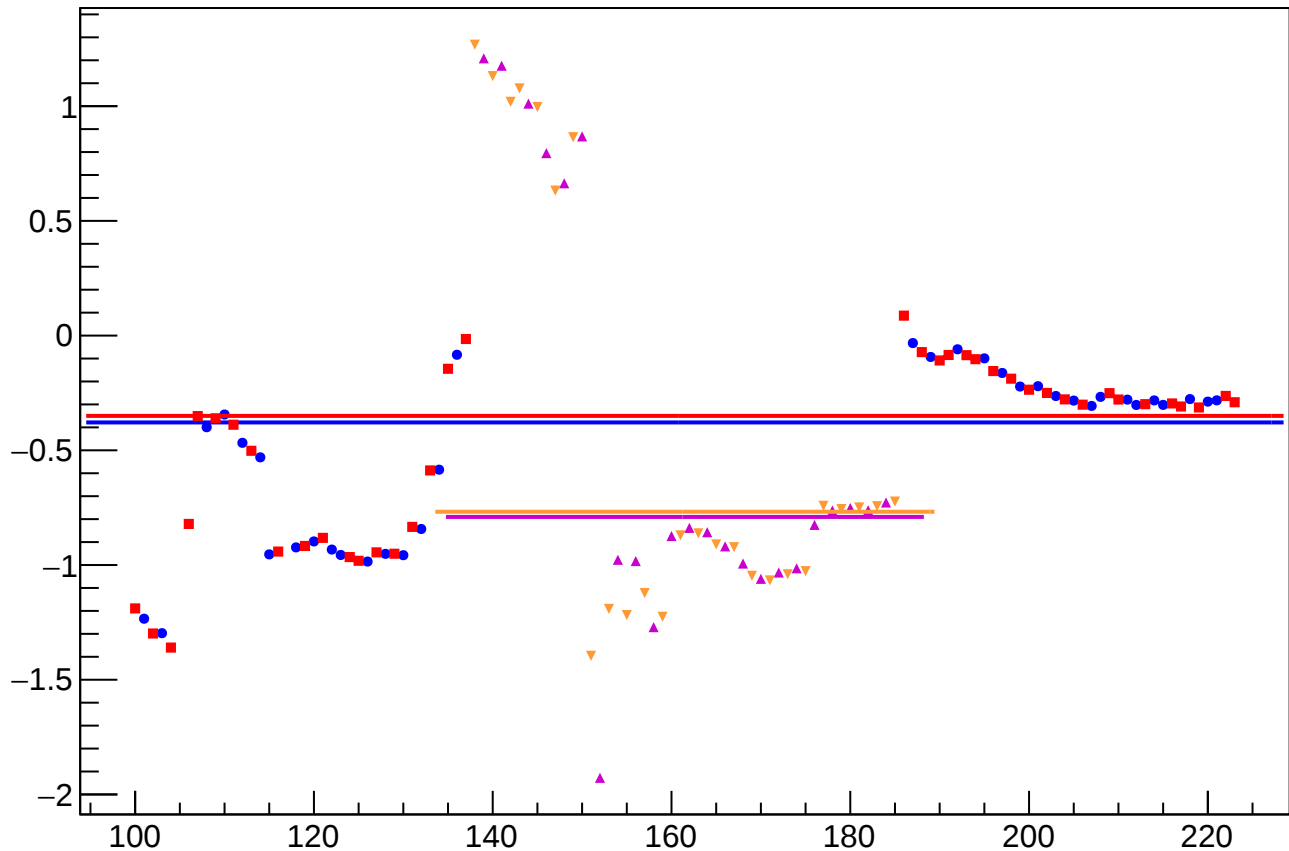
Left In: 0.009+/-0.000 χ^2/NDF : 353750.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 2509103.6/59

All: 0.009+/-0.000 χ^2/NDF : 4964162.2/121

- sign 0.009+/-0.000 χ^2/NDF : 2454055.0/61

yield_bpm0i01X_mean vs Slug



Right In: -0.379 ± 0.000 χ^2/NDF : 23337747646.9/34

Left Out: -0.768 ± 0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.350 ± 0.000 χ^2/NDF : 25451198134.9/38

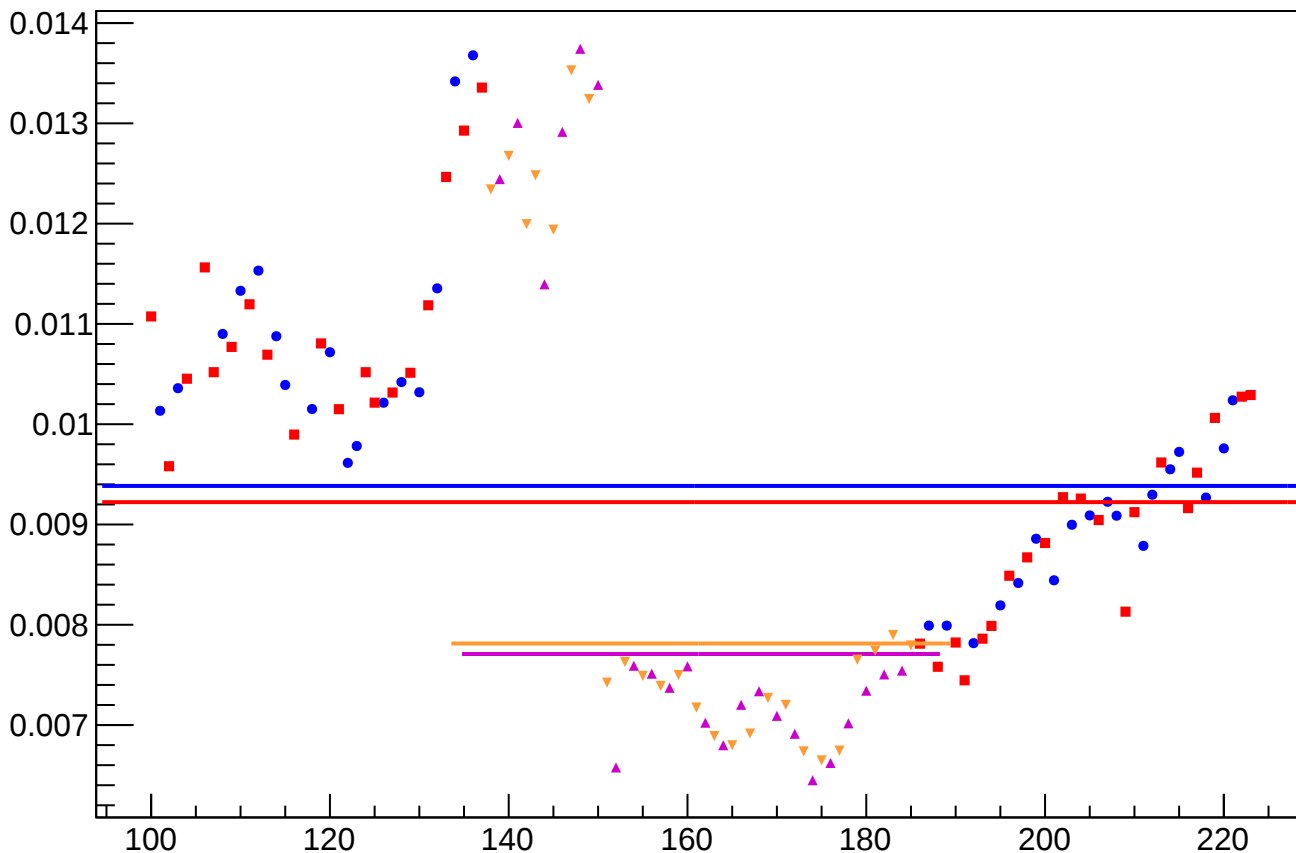
Left In: -0.790 ± 0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.597 ± 0.000 χ^2/NDF : 162817253809.3/59

All: -0.592 ± 0.000 χ^2/NDF : 336182393889.7

- sign -0.587 ± 0.000 χ^2/NDF : 173335918126.1/61

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 566997.0/34

Left Out: 0.008+/-0.000 χ^2/NDF :1705997.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 694776.6/38

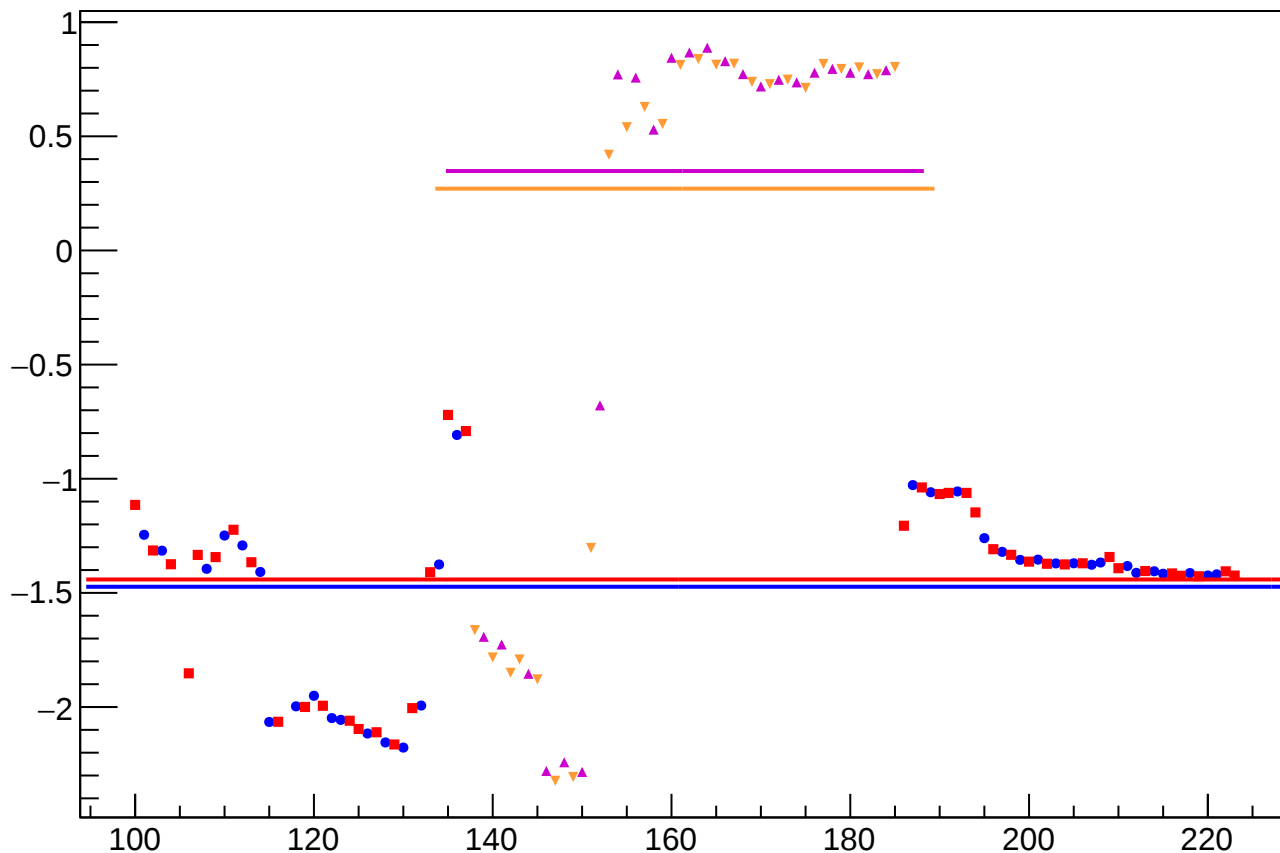
Left In: 0.008+/-0.000 χ^2/NDF :1746653.6/22

+ sign 0.009+/-0.000 χ^2/NDF : 2882435.0/59

All: 0.008+/-0.000 χ^2/NDF : 5905831.0/121

- sign 0.008+/-0.000 χ^2/NDF : 3019130.0/61

yield_bpm0i01Y_mean vs Slug



Right In: -1.473+/-0.000 χ^2/NDF : 175473265304.2/34

Left Out: 0.271+/-0.000 χ^2/NDF : 2583233987355.9/24

Right Out: -1.441+/-0.000 χ^2/NDF : 164618601603.9/38

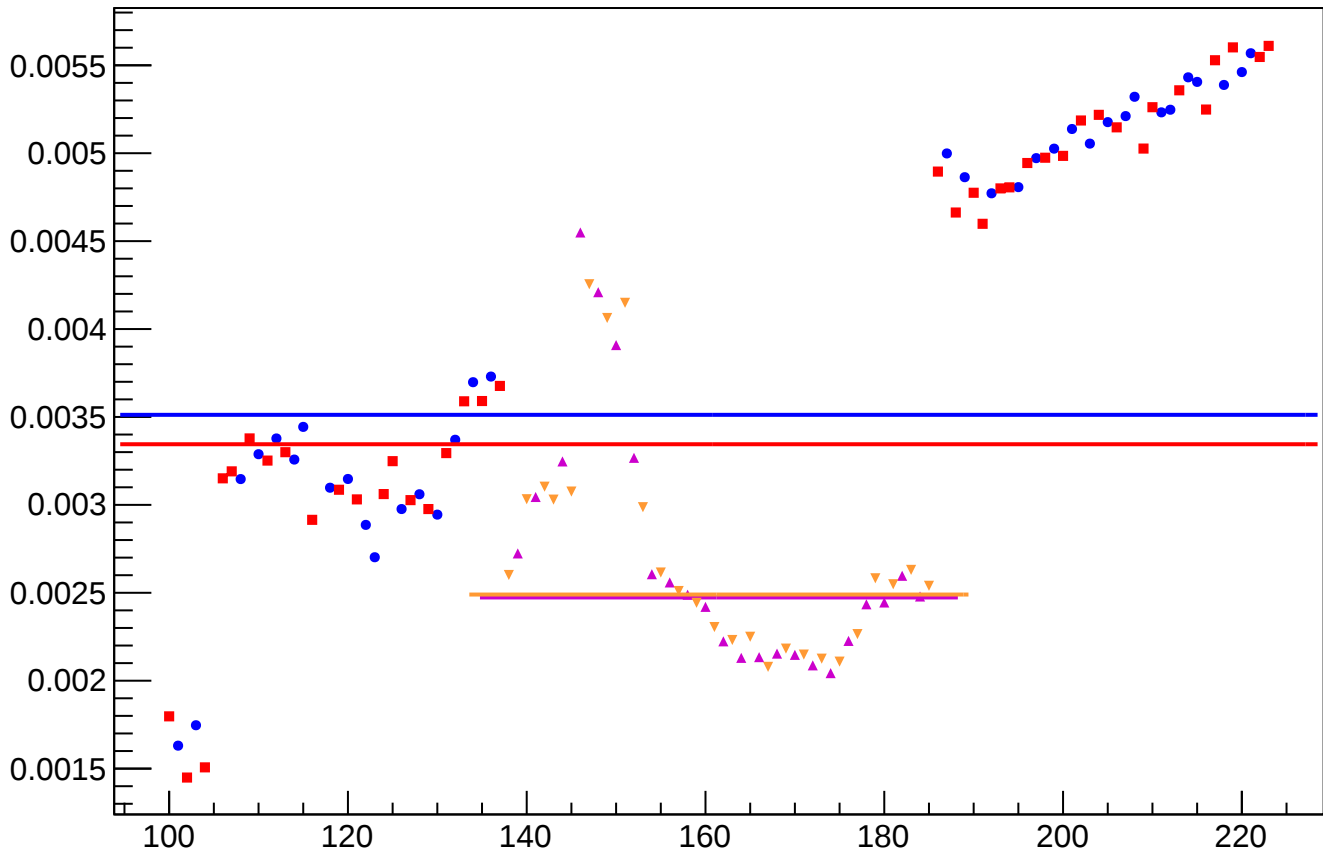
Left In: 0.348+/-0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.317+/-0.000 χ^2/NDF : 5446182432536.2/5

All: -0.318+/-0.000 χ^2/NDF : 1084802768926

- sign -0.319+/-0.000 χ^2/NDF : 5401836097602.0/6

yield_bpm0i01Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 5190802.9/34

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1070282.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 6329731.9/38

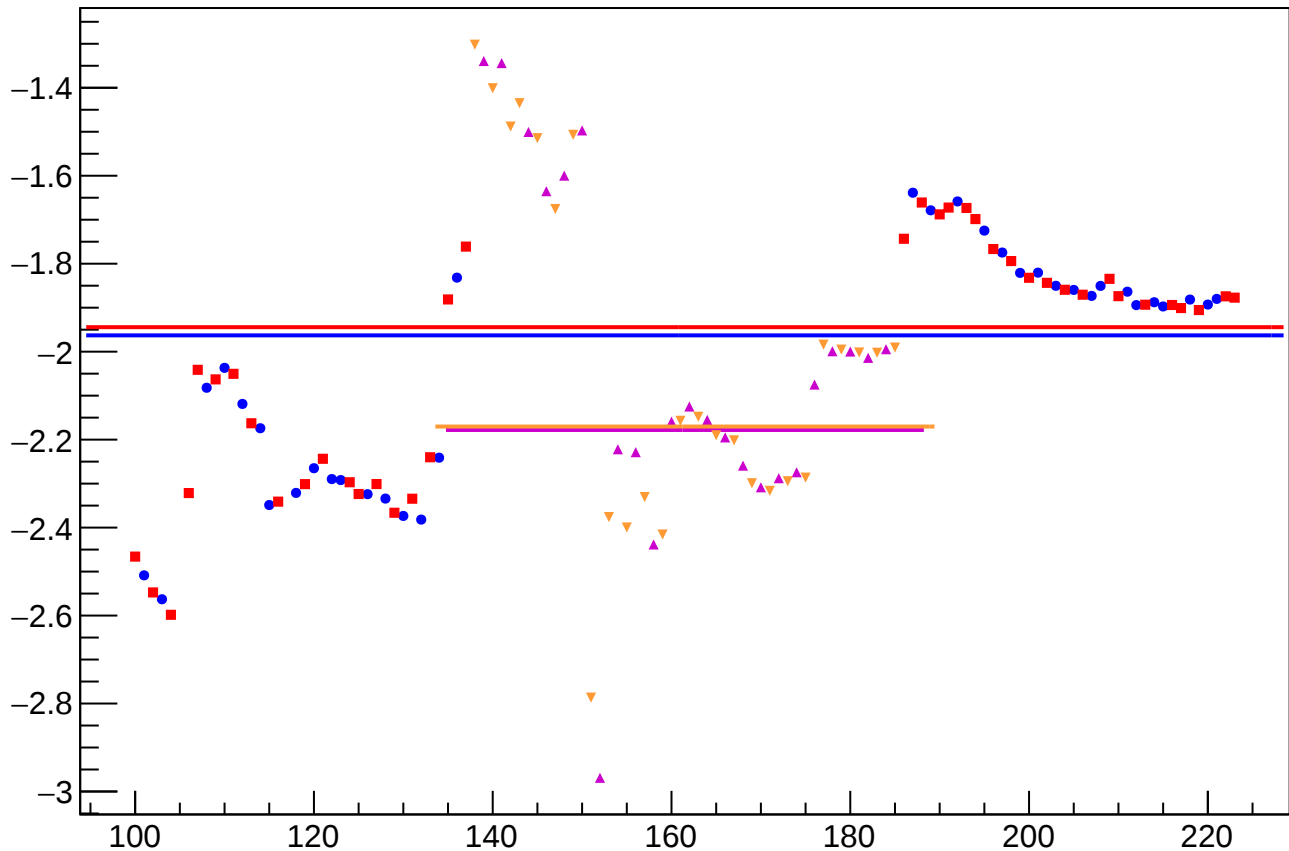
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1135279.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 8107336.0/59

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 16983308.5/121

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 8870796.3/61

yield_bpm0i01aX_mean vs Slug



Right In: -1.963+/-0.000 χ^2 /NDF: 31944148745.0/34

Left Out: -2.170+/-0.000 χ^2 /NDF: 59967315241.9/24

Right Out: -1.944+/-0.000 χ^2 /NDF: 35584805468.1/38

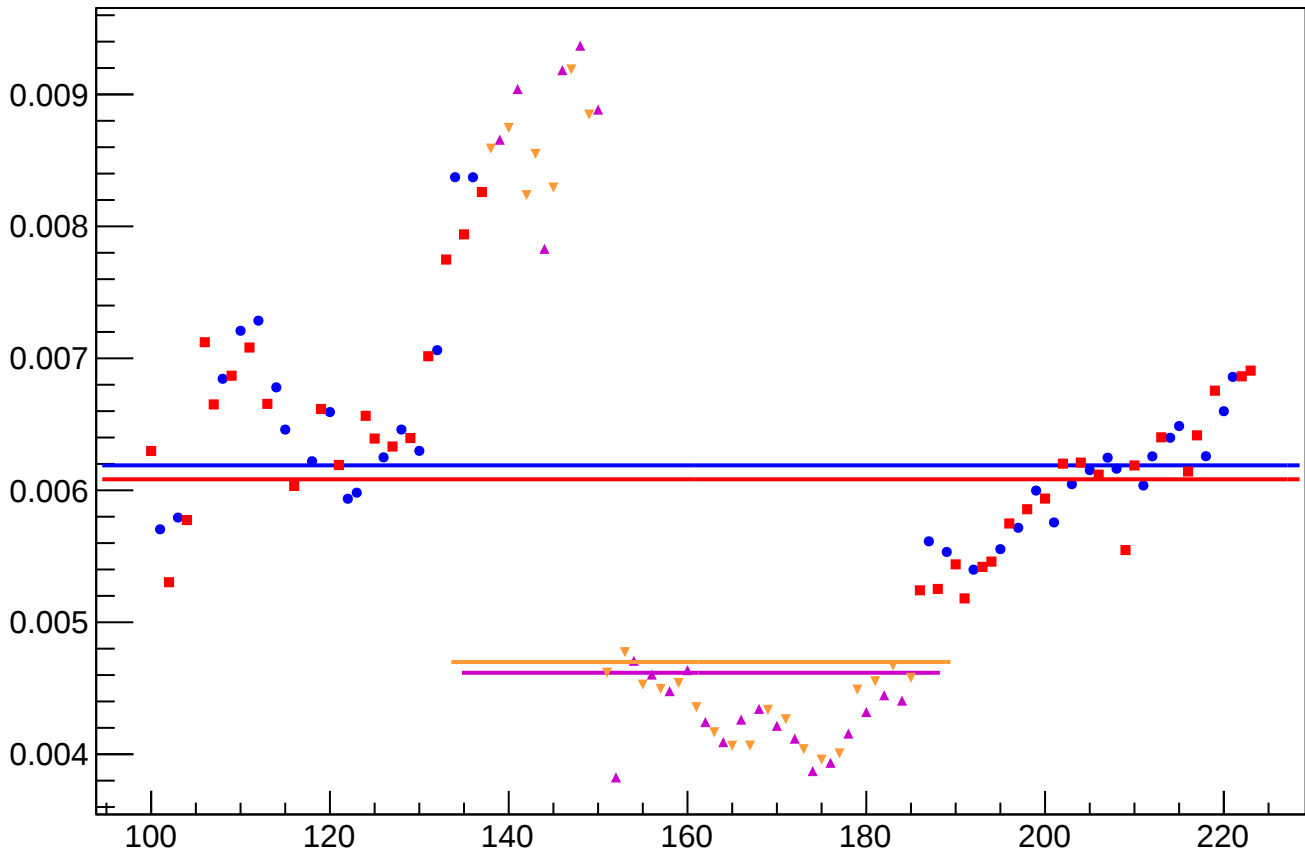
Left In: -2.178+/-0.000 χ^2 /NDF: 73402051113.3/22

+ sign -2.087+/-0.000 χ^2 /NDF: 104909053355.5/59

All: -2.083+/-0.000 χ^2 /NDF: 230918111013.0

- sign -2.079+/-0.000 χ^2 /NDF: 125965108191.2/61

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 336558.2/34

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 426357.0/38

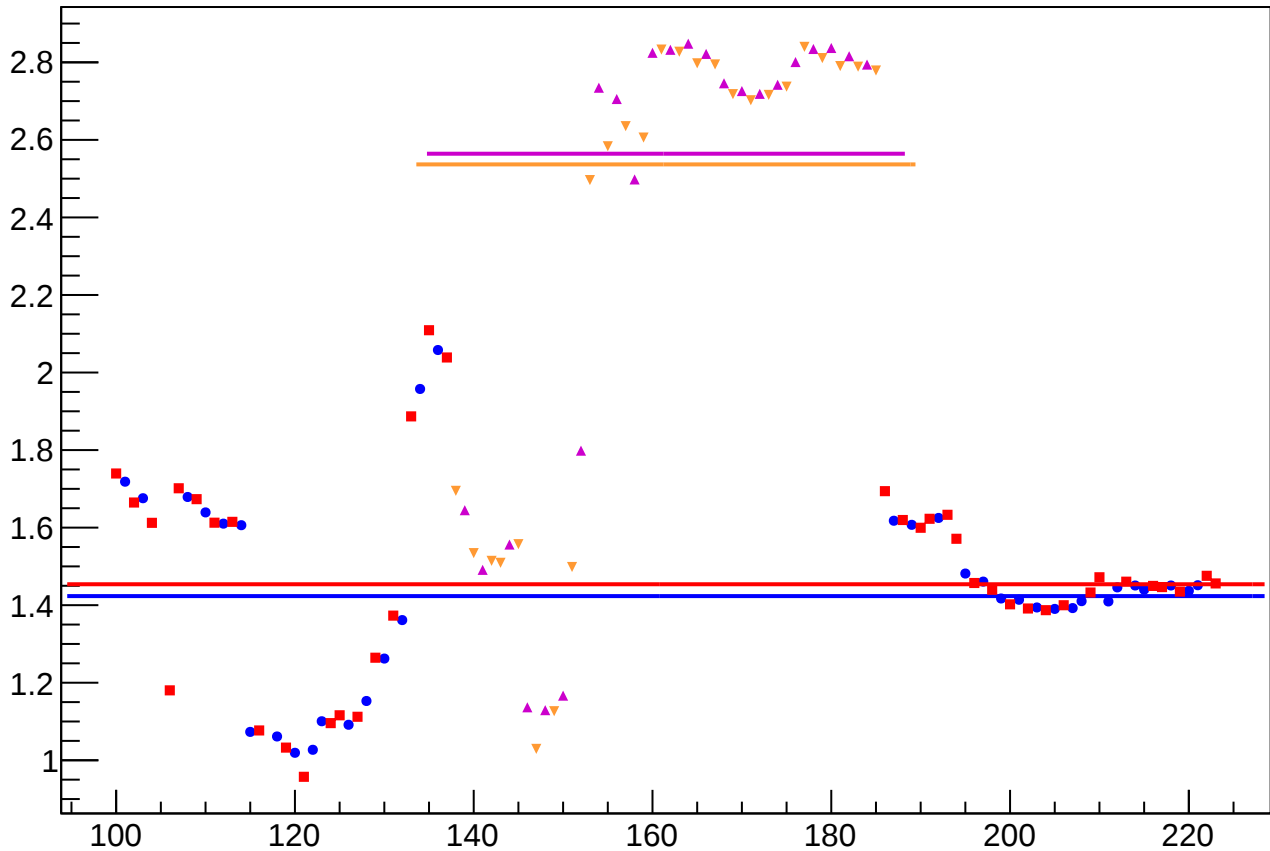
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3999149.4/59

All: 0.005+/-0.000 χ^2/NDF : 8132572.2/121

- sign 0.005+/-0.000 χ^2/NDF : 4129378.6/61

yield_bpm0i01aY_mean vs Slug



Right In: 1.423+/-0.000 χ^2/NDF : 174236531511.7/34

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.454+/-0.000 χ^2/NDF : 177018610316.8/38

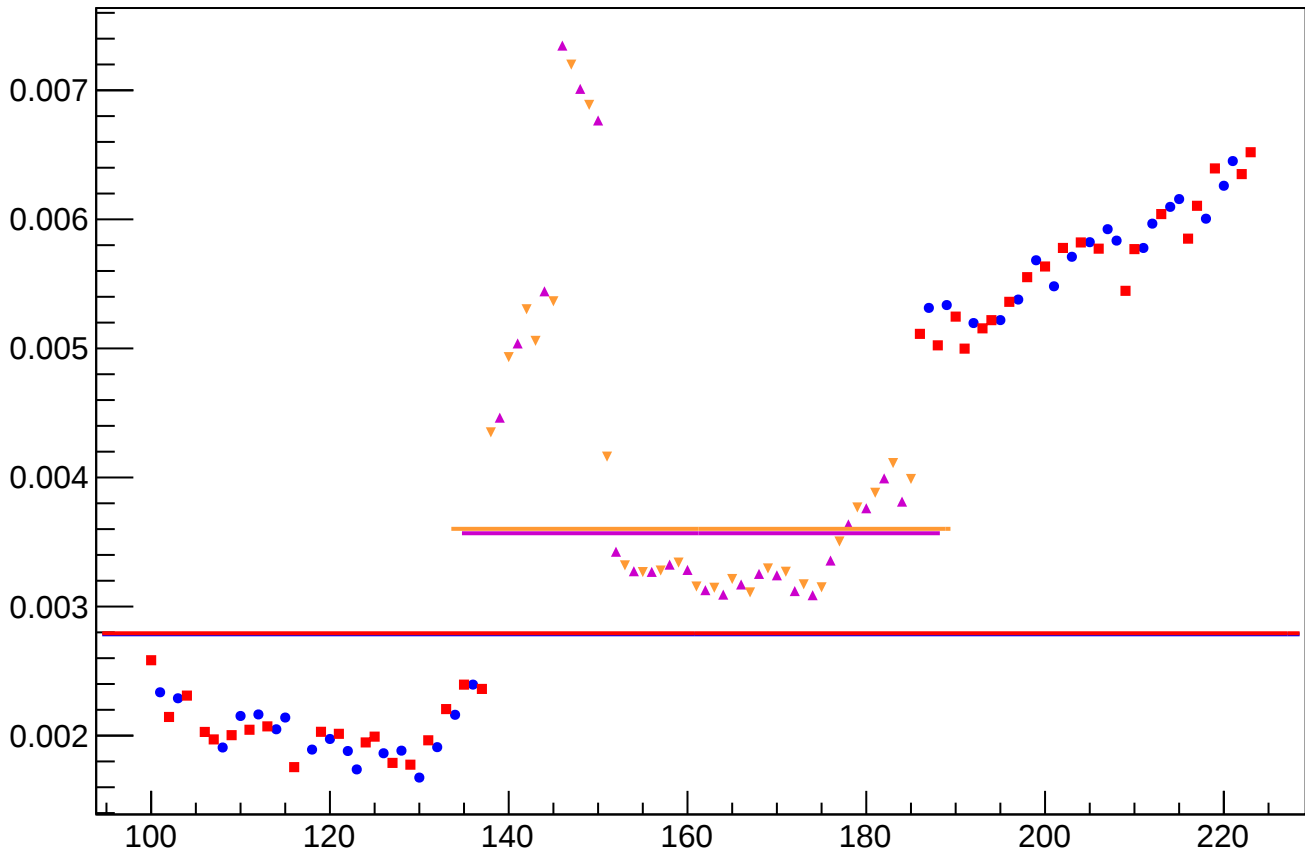
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.871+/-0.000 χ^2/NDF : 1398155400977.9/59

All: 1.874+/-0.000 χ^2/NDF : 2772347014356.

- sign 1.876+/-0.000 χ^2/NDF : 1374154034599.8/61

yield_bpm0i01aY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 8991770.7/34

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.003+/-0.000 χ^2/NDF : 8875082.0/38

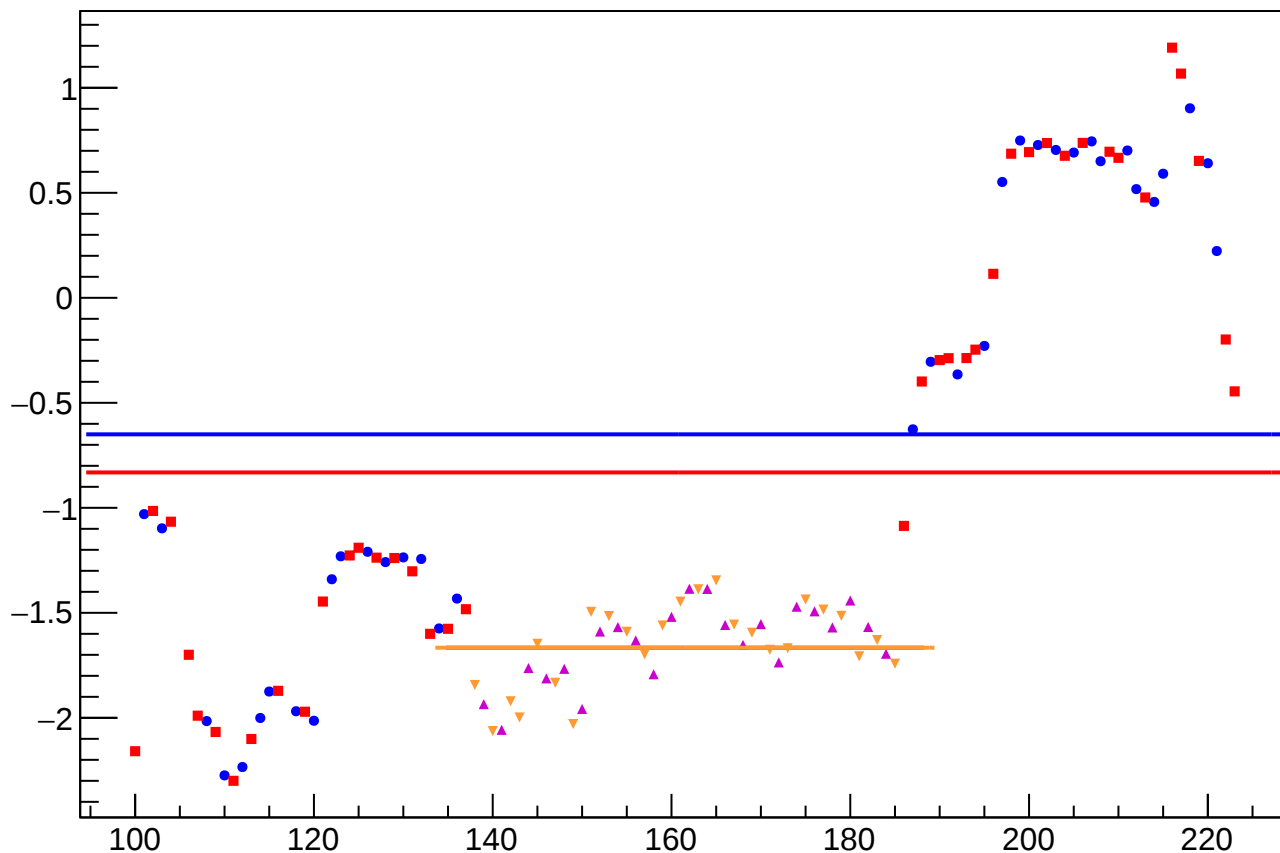
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 11430881.0/59

All: 0.003+/-0.000 χ^2/NDF : 22783898.3/121

- sign 0.003+/-0.000 χ^2/NDF : 11350819.2/61

yield_bpm0l01X_mean vs Slug



Right In: -0.650 ± 0.000 $\chi^2/\text{NDF}: 267715187851.4/34$

Left Out: -1.666 ± 0.000 $\chi^2/\text{NDF}: 18325162131.2/24$

Right Out: -0.831 ± 0.000 $\chi^2/\text{NDF}: 303722202290.4/38$

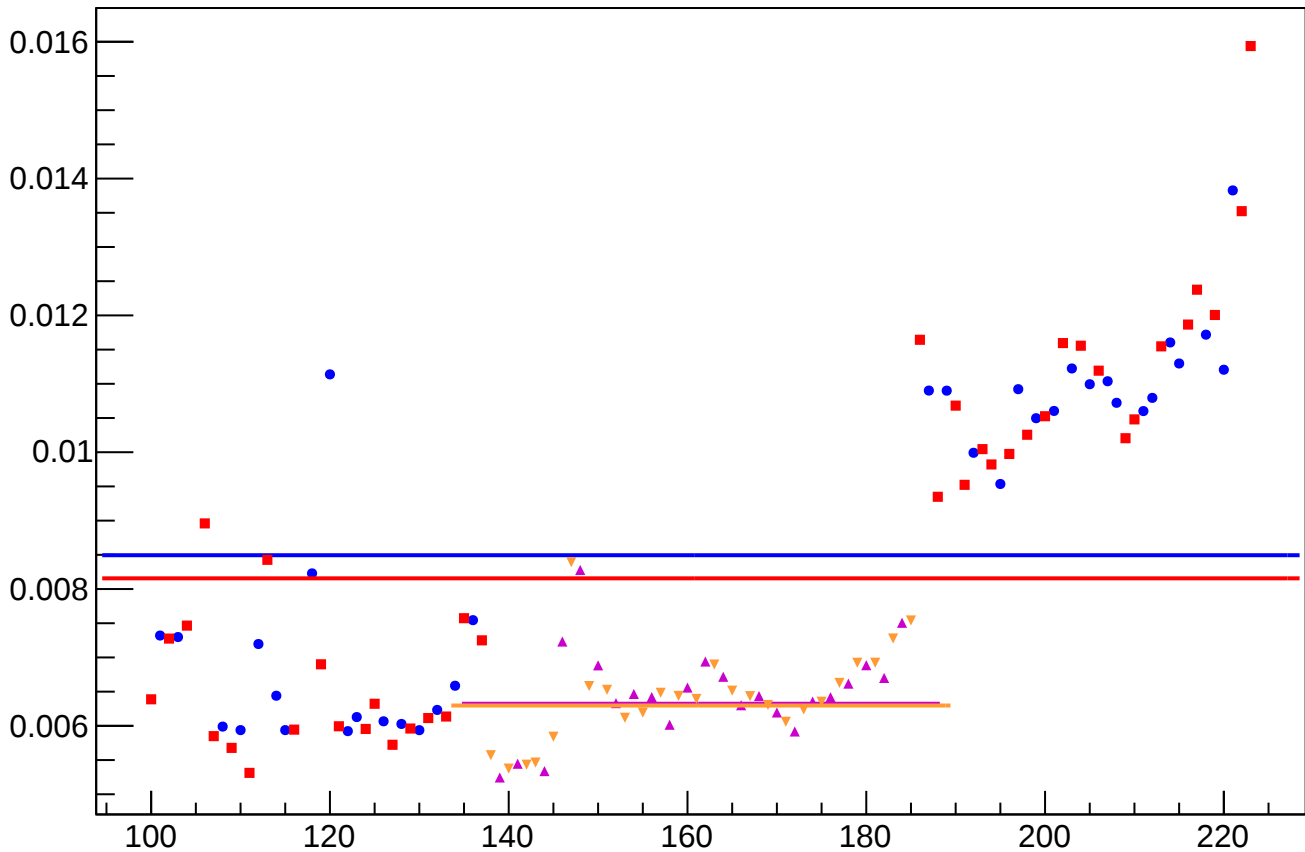
Left In: -1.666 ± 0.000 $\chi^2/\text{NDF}: 14292570816.9/22$

+ sign -1.303 ± 0.000 $\chi^2/\text{NDF}: 448771882507.0/59$

All: -1.317 ± 0.000 $\chi^2/\text{NDF}: 881559783307.8$

- sign -1.331 ± 0.000 $\chi^2/\text{NDF}: 432503974060.0/61$

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2592101.4/34

Left Out: 0.006+/-0.000 χ^2/NDF : 310757.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3171331.1/38

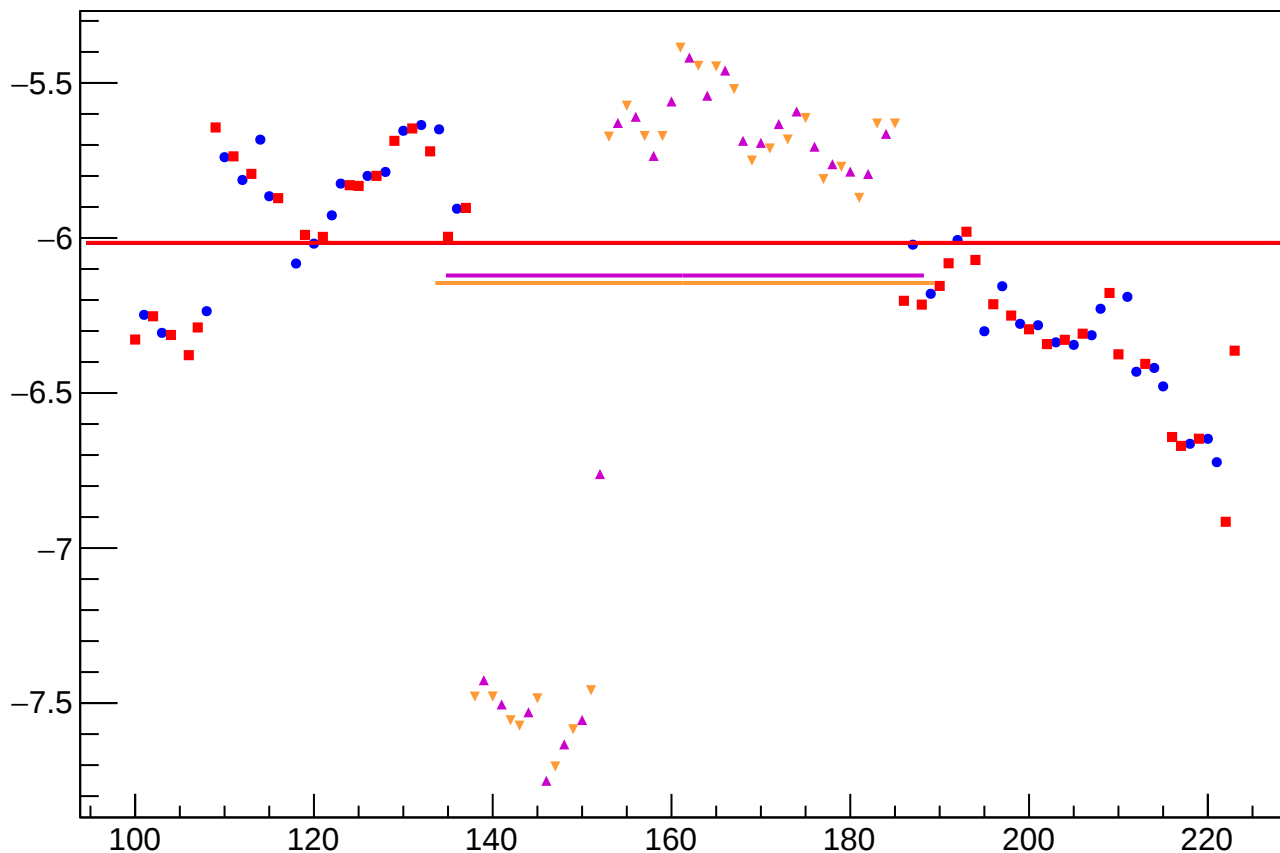
Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 4424750.2/59

All: 0.007+/-0.000 χ^2/NDF : 9031897.4/121

- sign 0.007+/-0.000 χ^2/NDF : 4606719.0/61

yield_bpm0l01Y_mean vs Slug



Right In: -6.016+/-0.000 χ^2/NDF : 22605949488.3/34

Left Out: -6.145+/-0.000 χ^2/NDF : 185364150237.7/24

Right Out: -6.016+/-0.000 χ^2/NDF : 24918368221.3/38

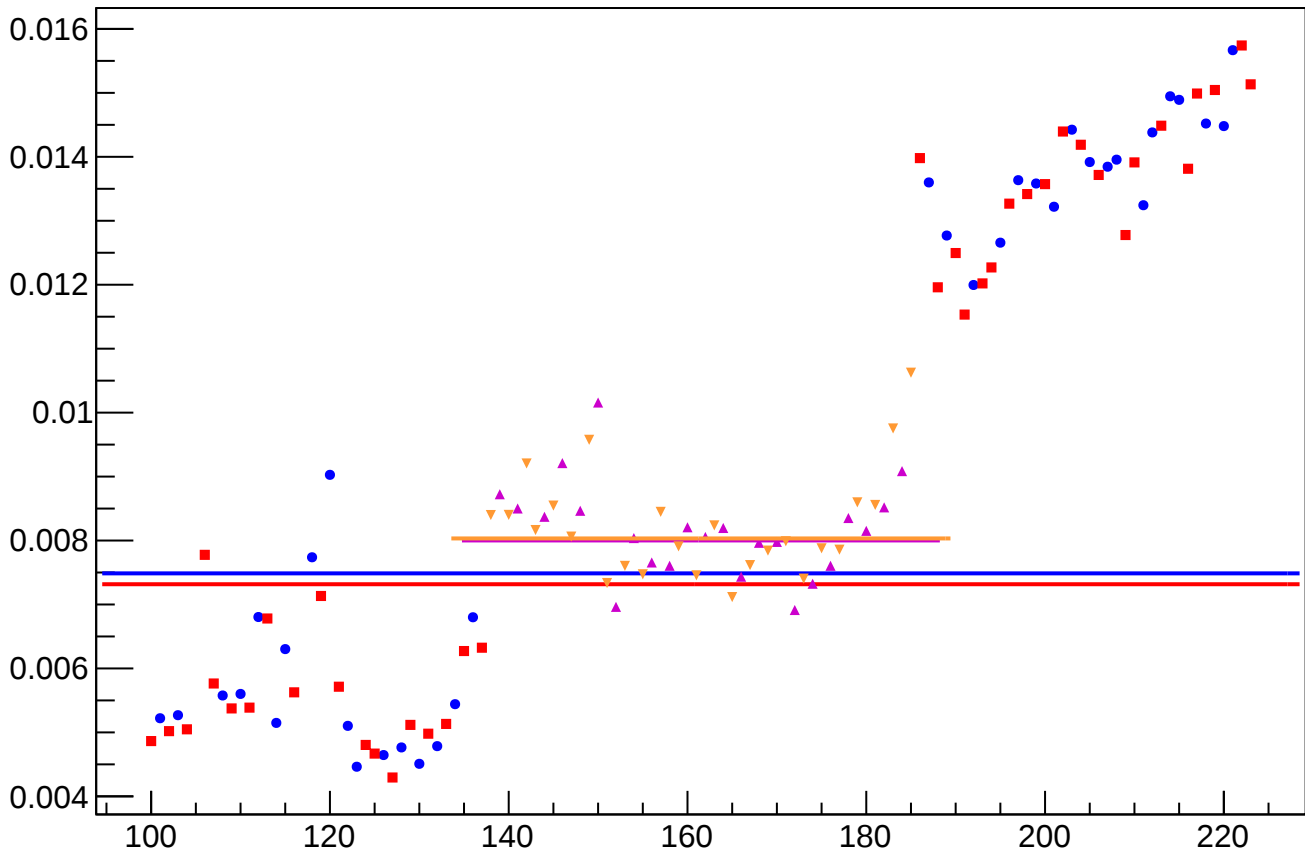
Left In: -6.121+/-0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.079+/-0.000 χ^2/NDF : 210158876818.4/59

All: -6.071+/-0.000 χ^2/NDF : 394942757971.6

- sign -6.064+/-0.000 χ^2/NDF : 184720838862.4/61

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 7547720.0/34

Left Out: 0.008+/-0.000 χ^2/NDF :205762.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 7604509.8/38

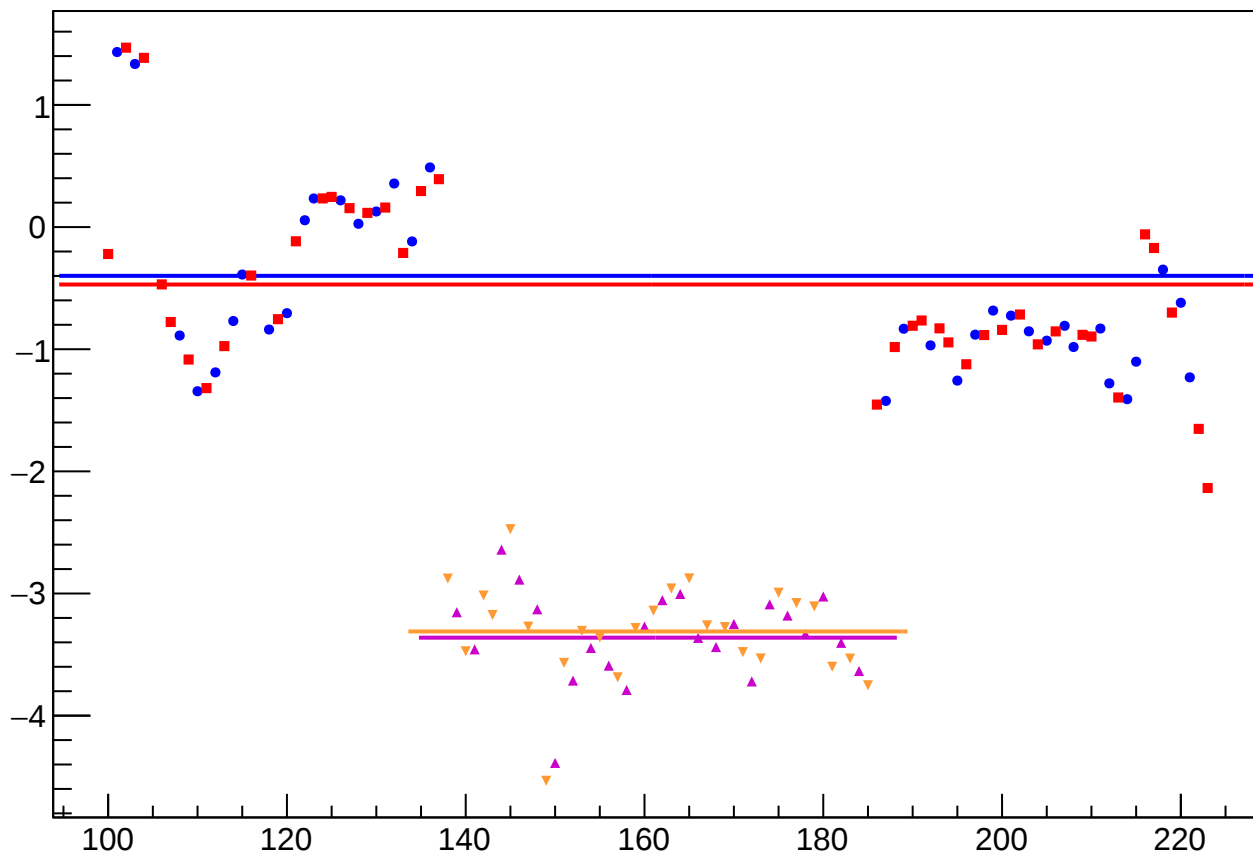
Left In: 0.008+/-0.000 χ^2/NDF :220756.1/22

+ sign 0.008+/-0.000 χ^2/NDF : 7831874.4/59

All: 0.008+/-0.000 χ^2/NDF : 15791221.1/121

- sign 0.008+/-0.000 χ^2/NDF : 7951080.2/61

yield_bpm0l02X_mean vs Slug



Right In: -0.399+/-0.000 χ^2 /NDF: 37702010241.8/34

Left Out: -3.311+/-0.000 χ^2 /NDF: 9354397456.2/24

Right Out: -0.470+/-0.000 χ^2 /NDF: 38981483001.0/38

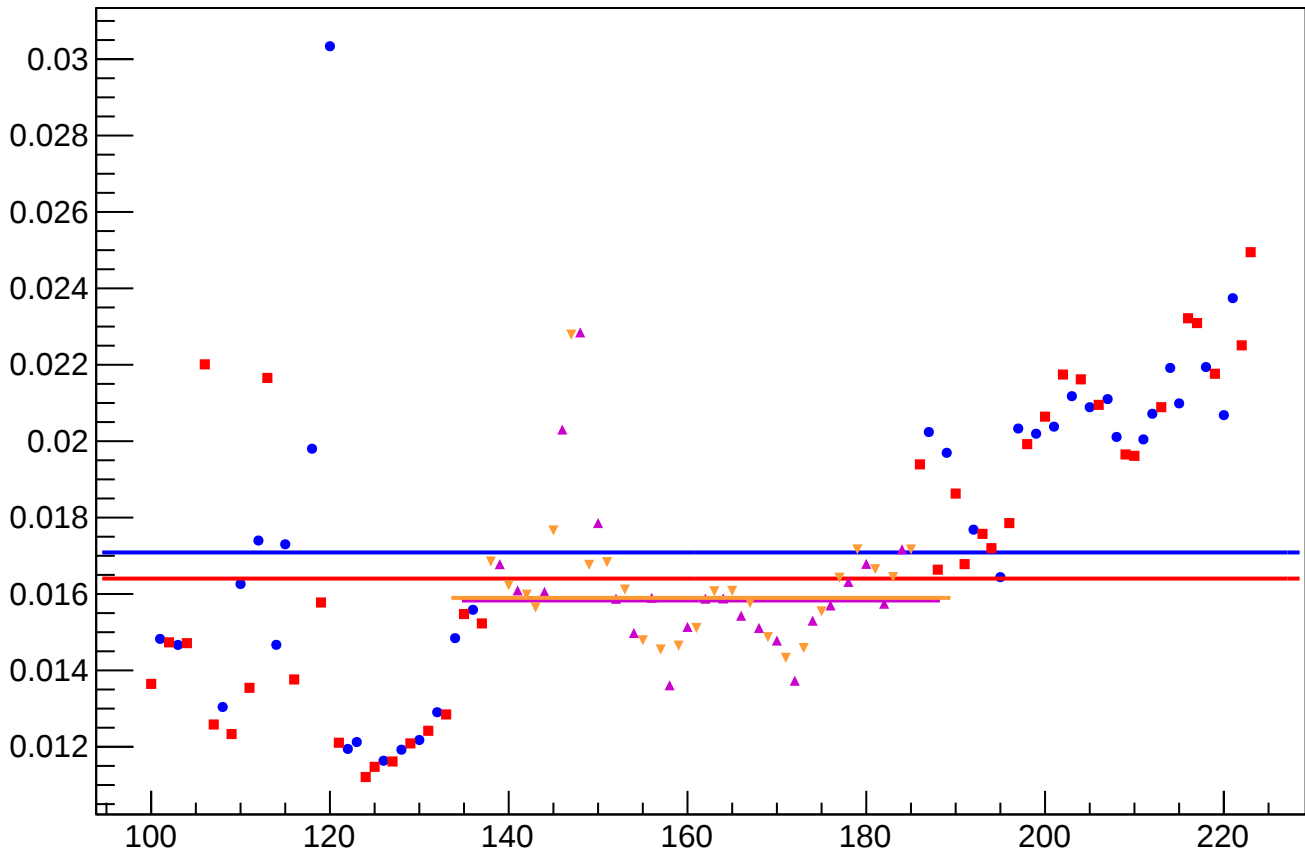
Left In: -3.362+/-0.000 χ^2 /NDF: 8171803777.4/22

+ sign -1.942+/-0.000 χ^2 /NDF: 325757940682.1/59

All: -1.908+/-0.000 χ^2 /NDF: 657931839052.1

- sign -1.876+/-0.000 χ^2 /NDF: 331876186972.0/61

yield_bpm0l02X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 1826294.8/34

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.016+/-0.000 χ^2/NDF : 2058198.4/38

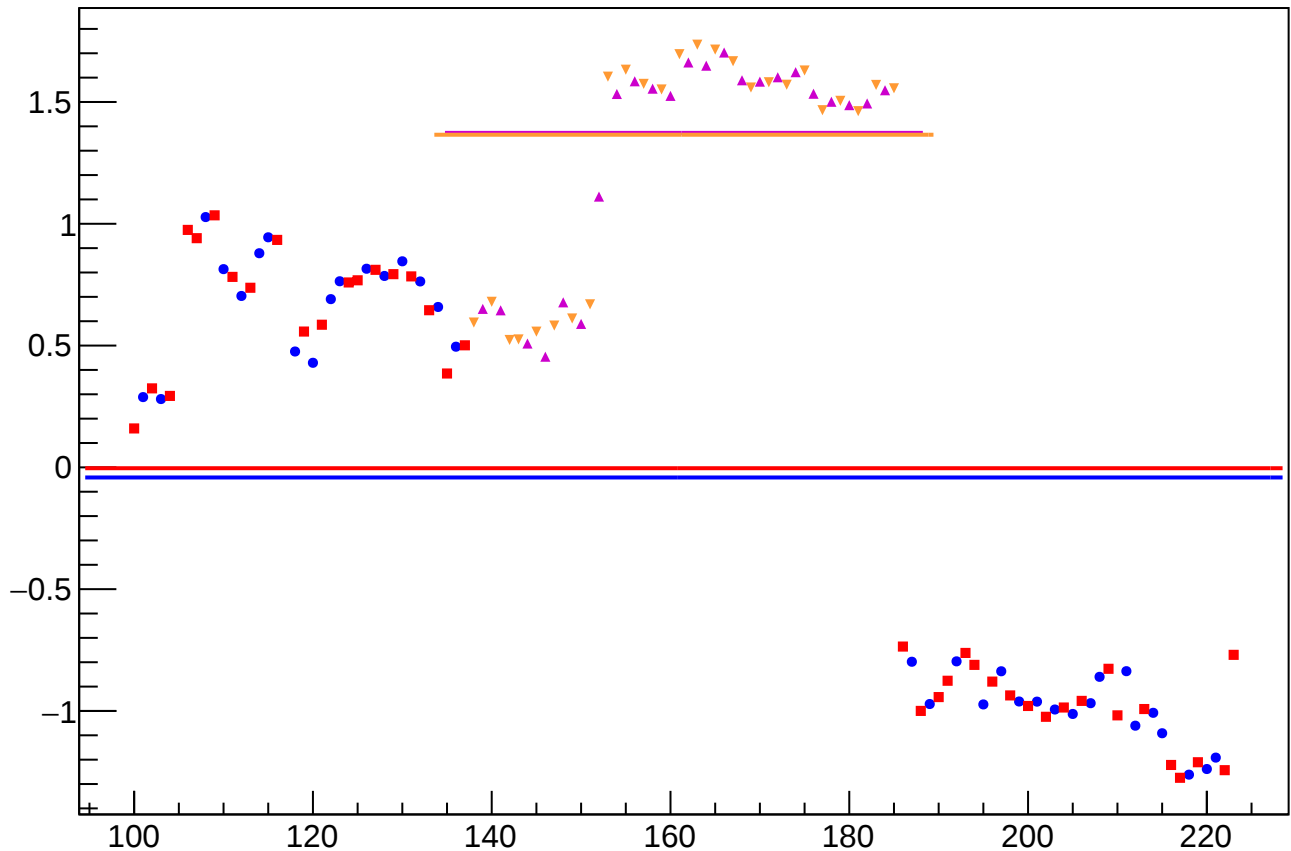
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 2171140.7/59

All: 0.016+/-0.000 χ^2/NDF : 4606033.4/121

- sign 0.016+/-0.000 χ^2/NDF : 2420106.8/61

yield_bpm0l02Y_mean vs Slug



Right In: -0.042 ± 0.000 $\chi^2/\text{NDF}: 106809480460.7/34$

Left Out: 1.366 ± 0.000 $\chi^2/\text{NDF}: 74741956067.9/24$

Right Out: -0.004 ± 0.000 $\chi^2/\text{NDF}: 116692796209.3/38$

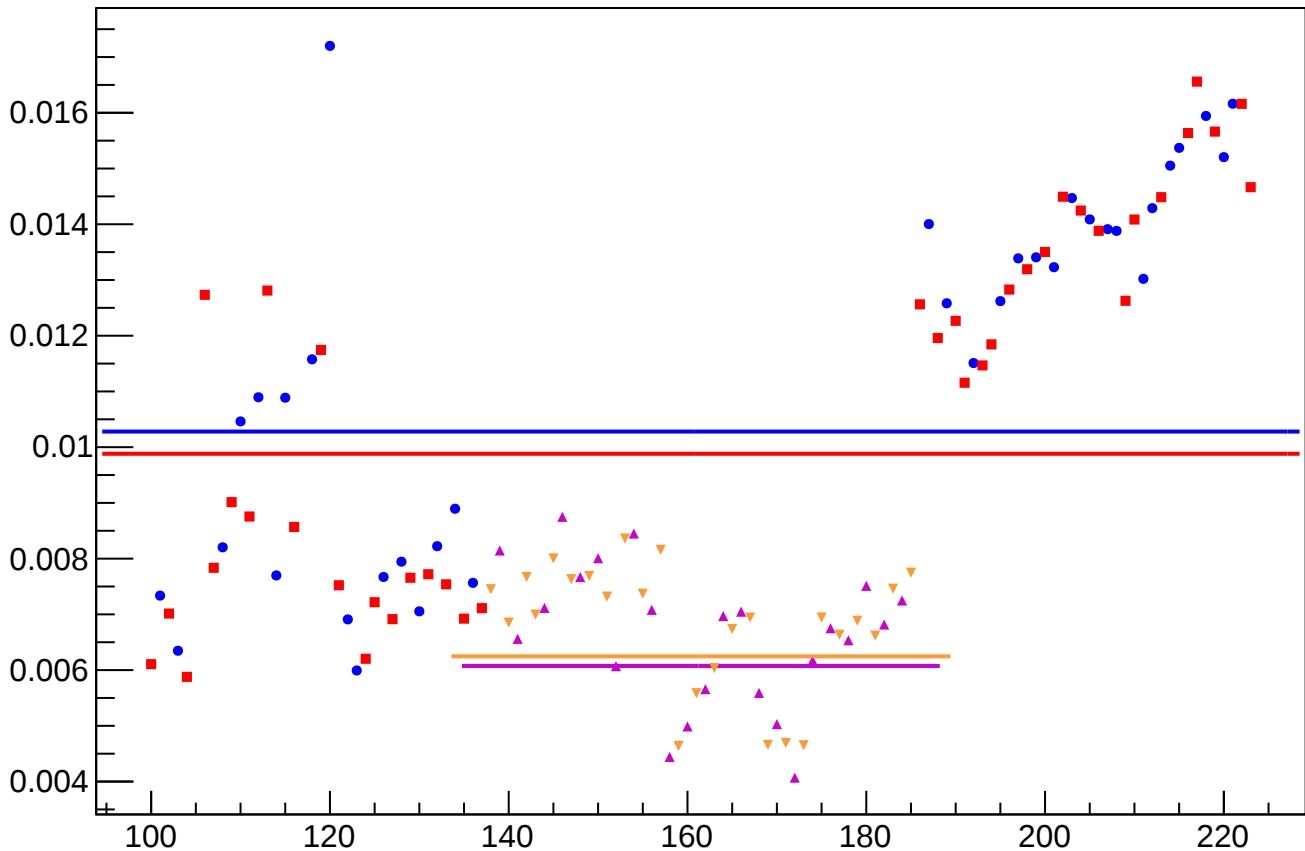
Left In: 1.373 ± 0.000 $\chi^2/\text{NDF}: 63413151416.3/22$

+ sign 0.979 ± 0.000 $\chi^2/\text{NDF}: 413439771291.1/59$

All: 0.972 ± 0.000 $\chi^2/\text{NDF}: 833736002713.2$

- sign 0.965 ± 0.000 $\chi^2/\text{NDF}: 420240533381.3/61$

yield_bpm0l02Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 3491013.6/34

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 3756577.8/38

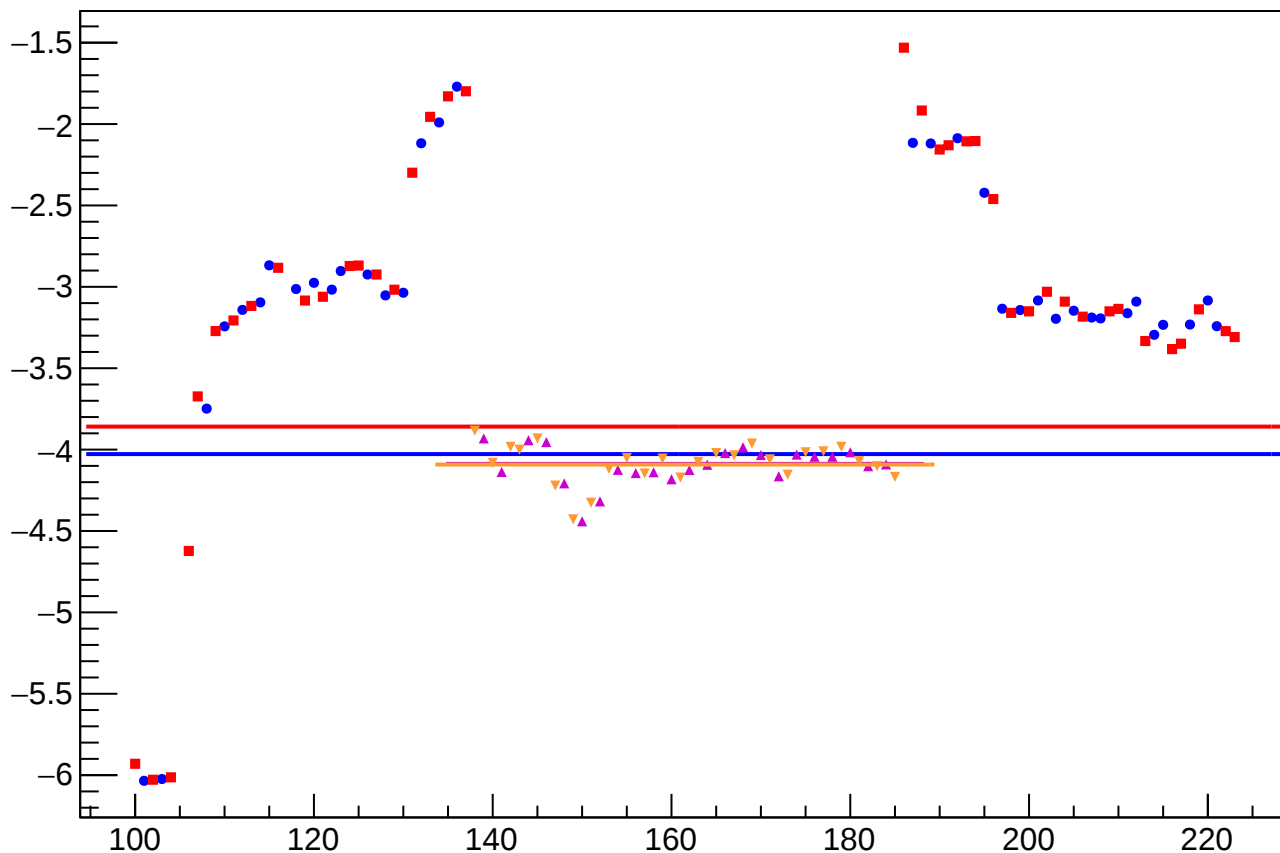
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8632097.8/59

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 17508387.4/121

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8862300.2/61

yield_bpm0l03X_mean vs Slug



Right In: -4.028+/-0.000 χ^2/NDF : 296962765297.6/34

Left Out: -4.092+/-0.000 χ^2/NDF : 39806766.7/24

Right Out: -3.859+/-0.000 χ^2/NDF : 284274938080.0/38

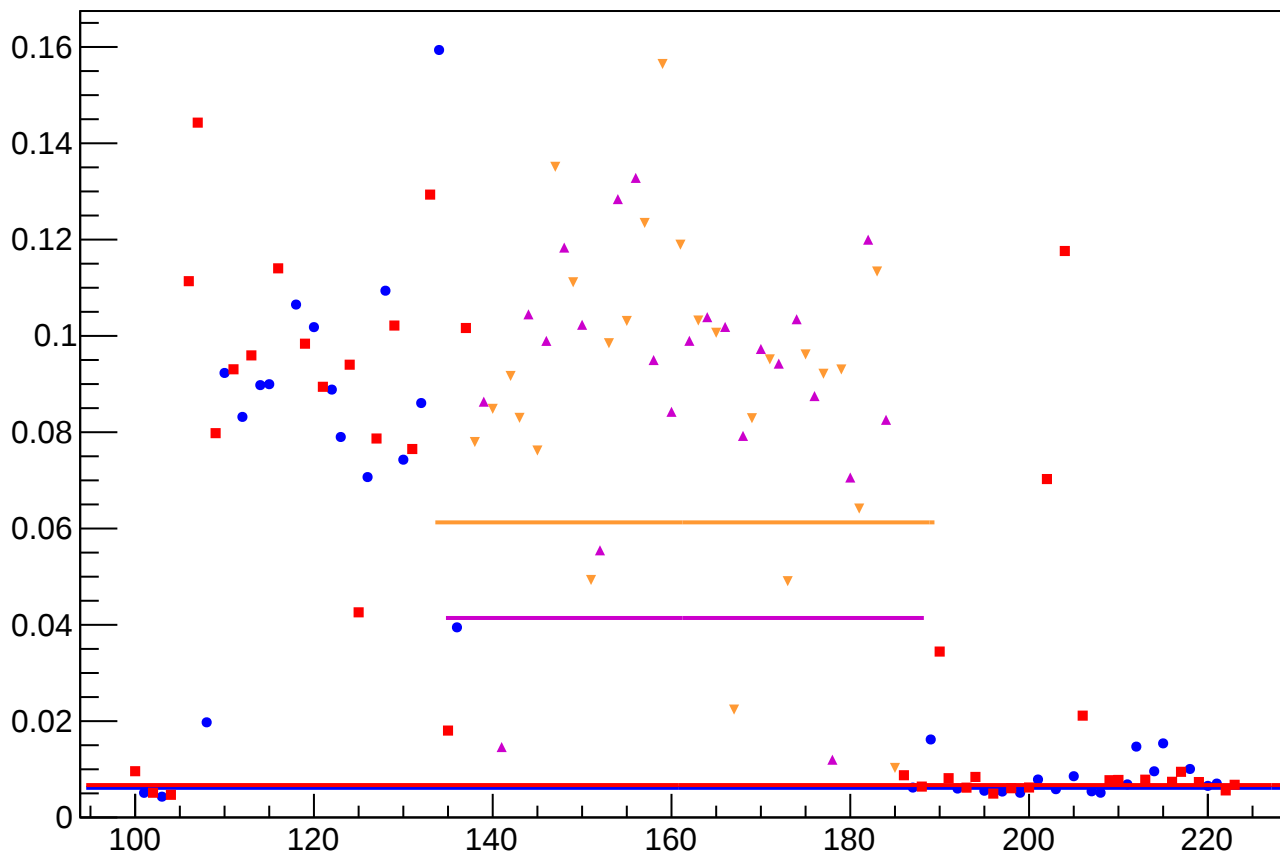
Left In: -4.088+/-0.000 χ^2/NDF : 34412880.7/22

+ sign -4.029+/-0.000 χ^2/NDF : 297014507738.4/59

All: -3.955+/-0.000 χ^2/NDF : 583159080313.7

- sign -3.867+/-0.000 χ^2/NDF : 284524760965.0/61

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8439254.5/34

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 10432071.1/38

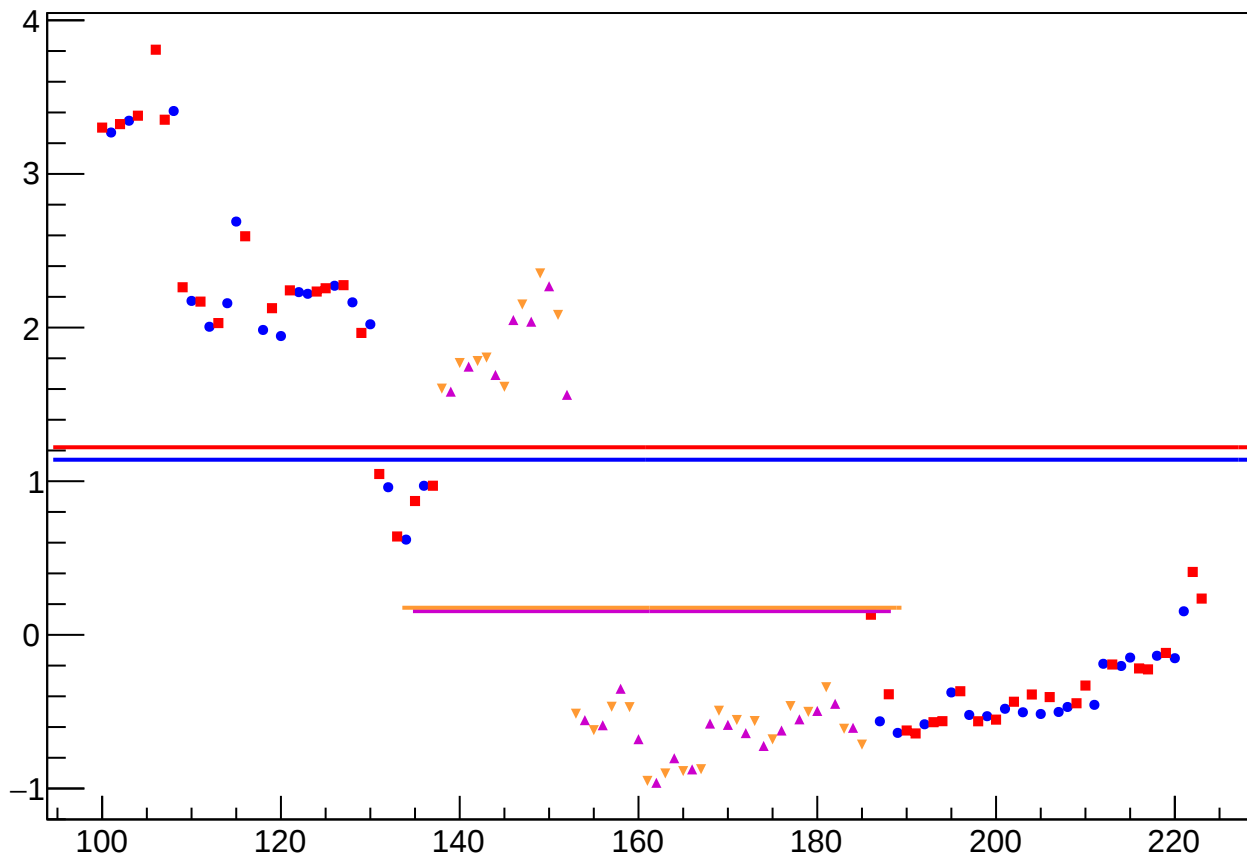
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 34350854.7/59

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 67848935.2/121

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33440712.5/61

yield_bpm0l03Y_mean vs Slug



Right In: 1.140 $\pm$ 0.000 χ^2 /NDF: 228510838599.4/34

Left Out: 0.177 $\pm$ 0.000 χ^2 /NDF: 3275313367.7/24

Right Out: 1.221 $\pm$ 0.000 χ^2 /NDF: 203423258868.4/38

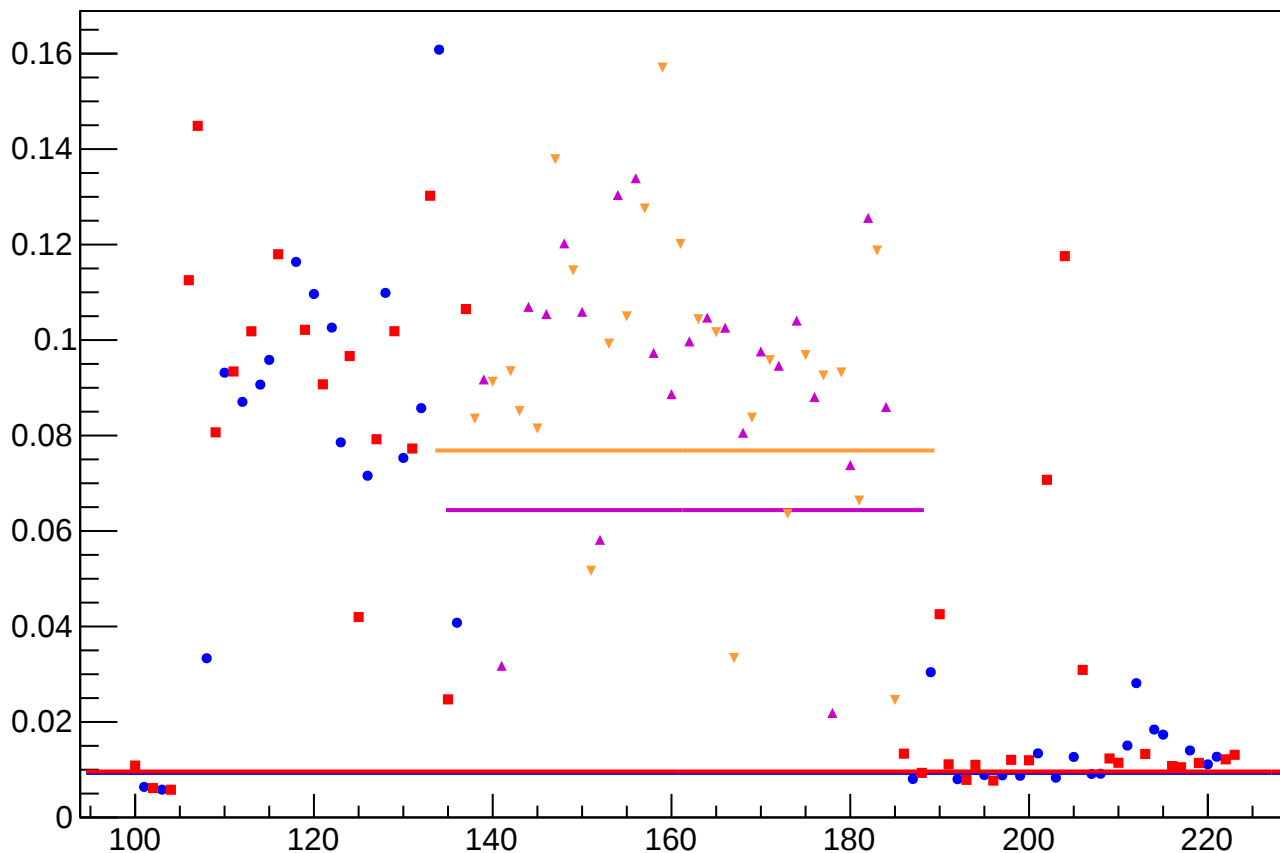
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF: 3163553595.0/22

+ sign 1.109 $\pm$ 0.000 χ^2 /NDF: 233822168856.6/59

All: 1.142 $\pm$ 0.000 χ^2 /NDF: 443389488719.2

- sign 1.178 $\pm$ 0.000 χ^2 /NDF: 209404425201.0/61

yield_bpm0l03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 8712375.3/34

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:4217954.3/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 10466014.3/38

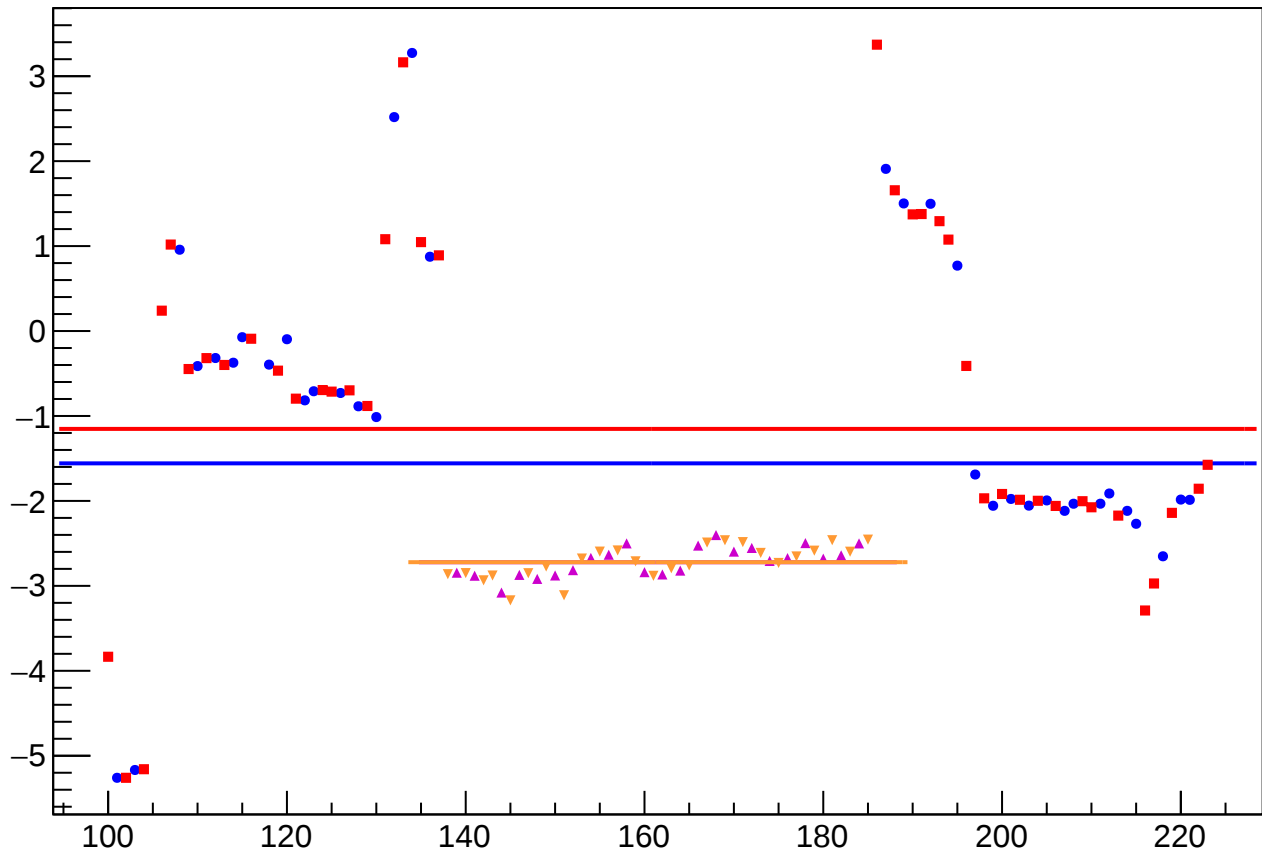
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32945300.9/59

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 65254669.9/121

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32302810.1/61

yield_bpm0l04X_mean vs Slug



Right In: -1.558+/-0.000 χ^2/NDF : 210470587443.8/34

Left Out: -2.721+/-0.000 χ^2/NDF : 10397156971.6/24

Right Out: -1.152+/-0.000 χ^2/NDF : 252212409873.9/38

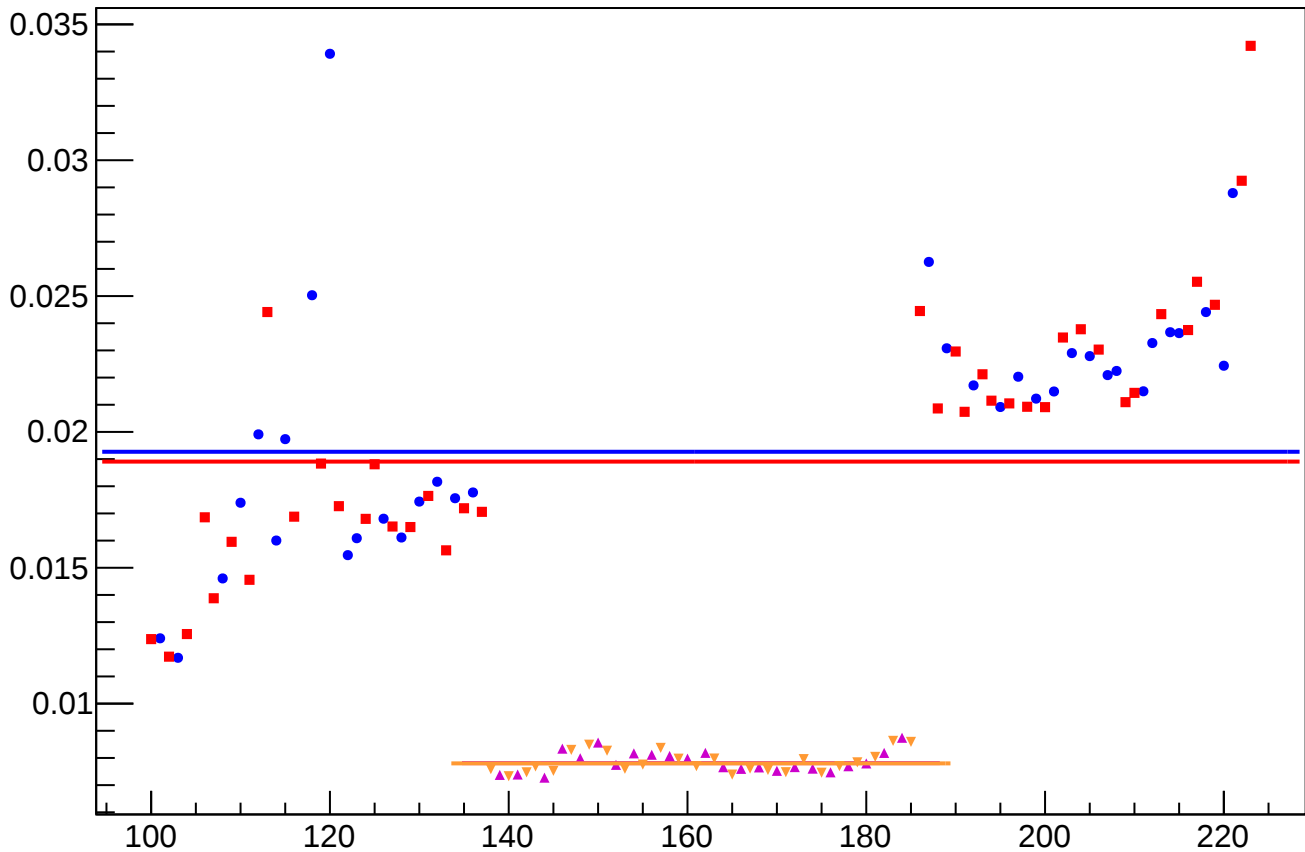
Left In: -2.722+/-0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.557+/-0.000 χ^2/NDF : 276304444701.4/59

All: -2.516+/-0.000 χ^2/NDF : 644537723910.7

- sign -2.474+/-0.000 χ^2/NDF : 367066688907.8/61

yield_bpm0l04X_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1877616.5/34

Left Out: 0.008+/-0.000 χ^2/NDF : 71164.4/24

Right Out: 0.019+/-0.000 χ^2/NDF : 1998787.2/38

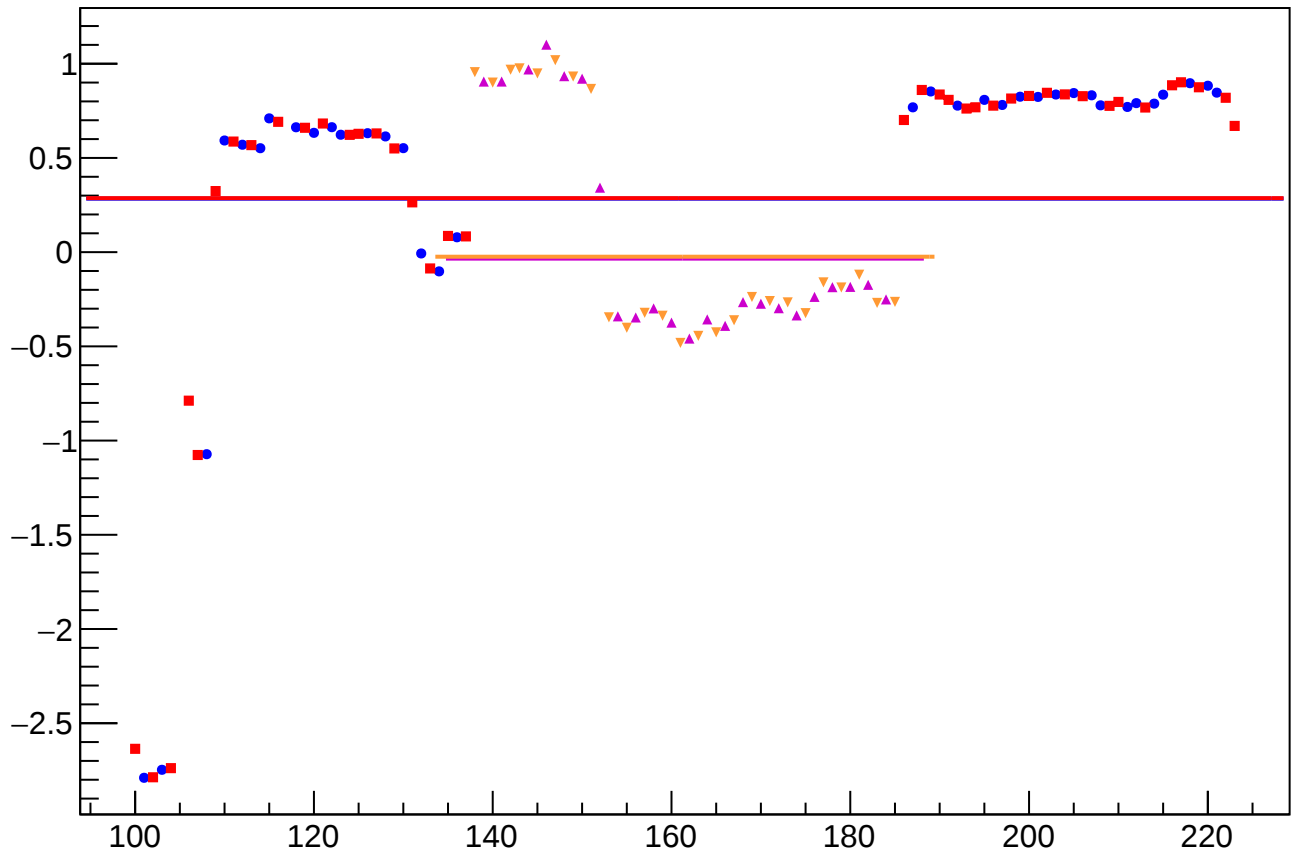
Left In: 0.008+/-0.000 χ^2/NDF : 67610.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 12724354.8/59

All: 0.009+/-0.000 χ^2/NDF : 25463642.1/121

- sign 0.010+/-0.000 χ^2/NDF : 12731692.0/61

yield_bpm0l04Y_mean vs Slug



Right In: 0.284 $\pm$ 0.000 χ^2 /NDF: 922717168996.5/34

Left Out: -0.024 $\pm$ 0.000 χ^2 /NDF: 135451649275.0/24

Right Out: 0.287 $\pm$ 0.000 χ^2 /NDF: 978203188562.9/38

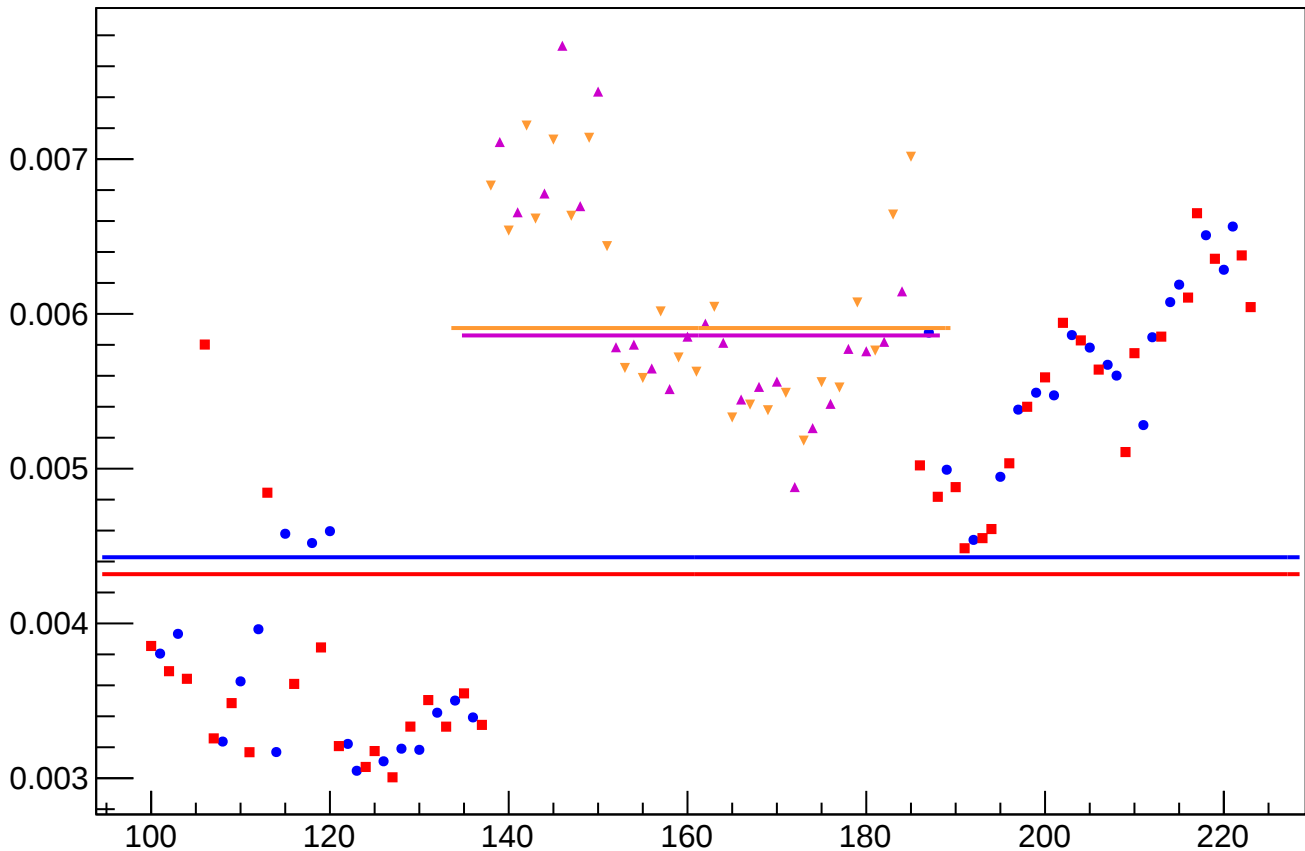
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF: 113929060918.1/22

+ sign 0.178 $\pm$ 0.000 χ^2 /NDF: 1088167046778.8/59

All: 0.181 $\pm$ 0.000 χ^2 /NDF: 2213069402596.0

- sign 0.185 $\pm$ 0.000 χ^2 /NDF: 1124866432218.5/61

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2371331.3/34

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2409672.0/38

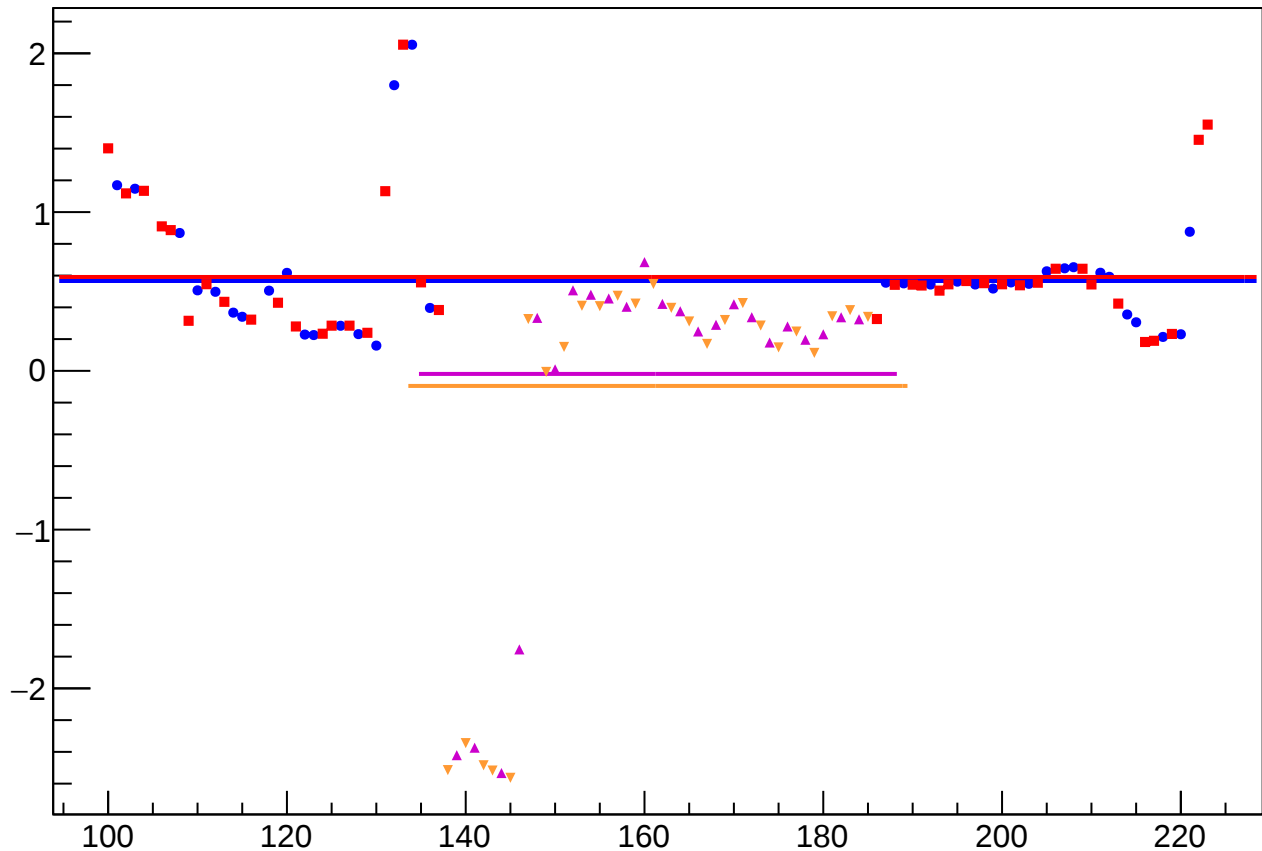
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4073222.0/59

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 8383527.7/121

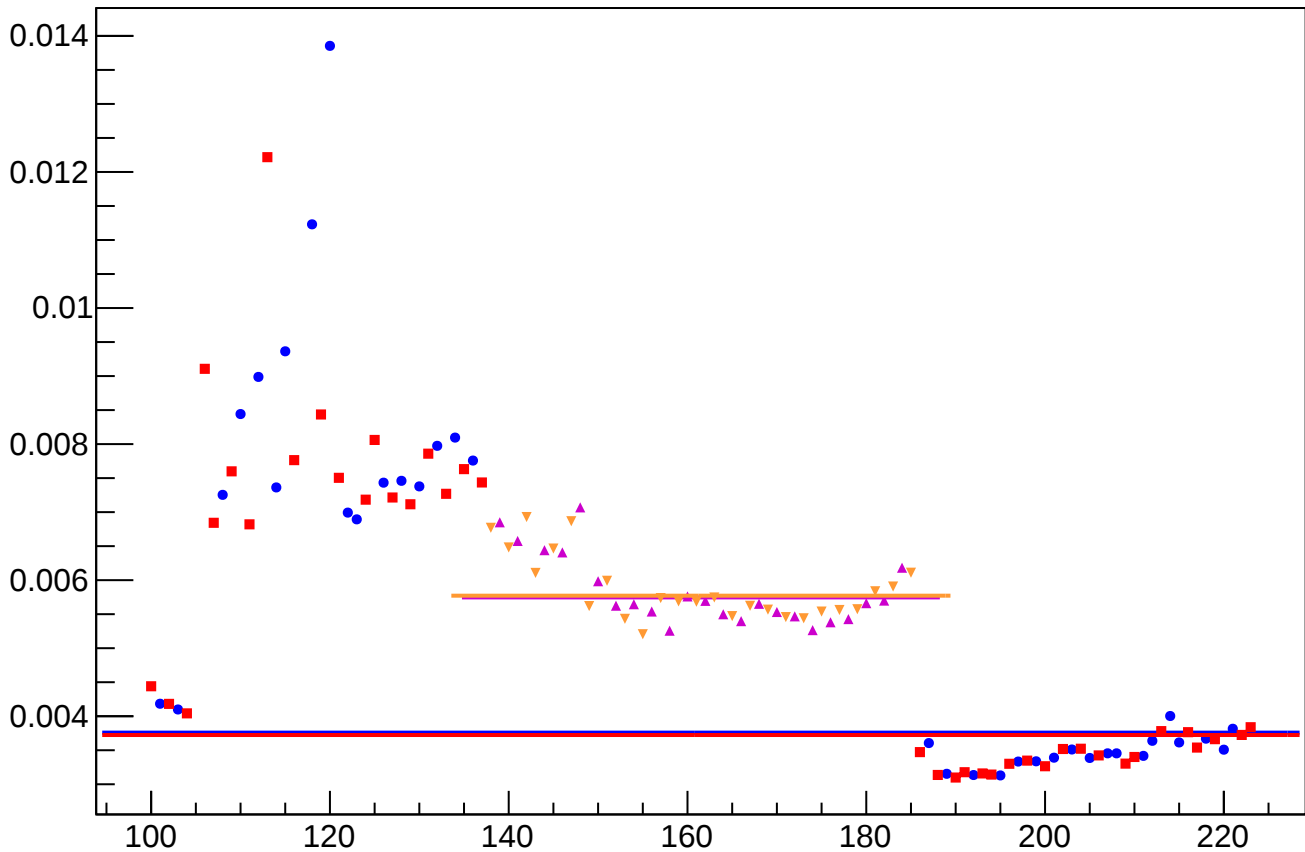
- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4286112.5/61

yield_bpm0l05X_mean vs Slug



Right In: 0.566+/-0.000	χ^2/NDF : 68392240777.4/34	+ sign 0.368+/-0.000	χ^2/NDF : 731834163823.1/59
Left Out: -0.095+/-0.000	χ^2/NDF : 505606573631.9/24	All: 0.396+/-0.000	χ^2/NDF : 1418674996114.
Right Out: 0.591+/-0.000	χ^2/NDF : 134094925644.8/38	- sign 0.422+/-0.000	χ^2/NDF : 684292585553.6/61
Left In: -0.019+/-0.000	χ^2/NDF : 417104863944.5/22		

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3162340.4/34

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:177680.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3199172.3/38

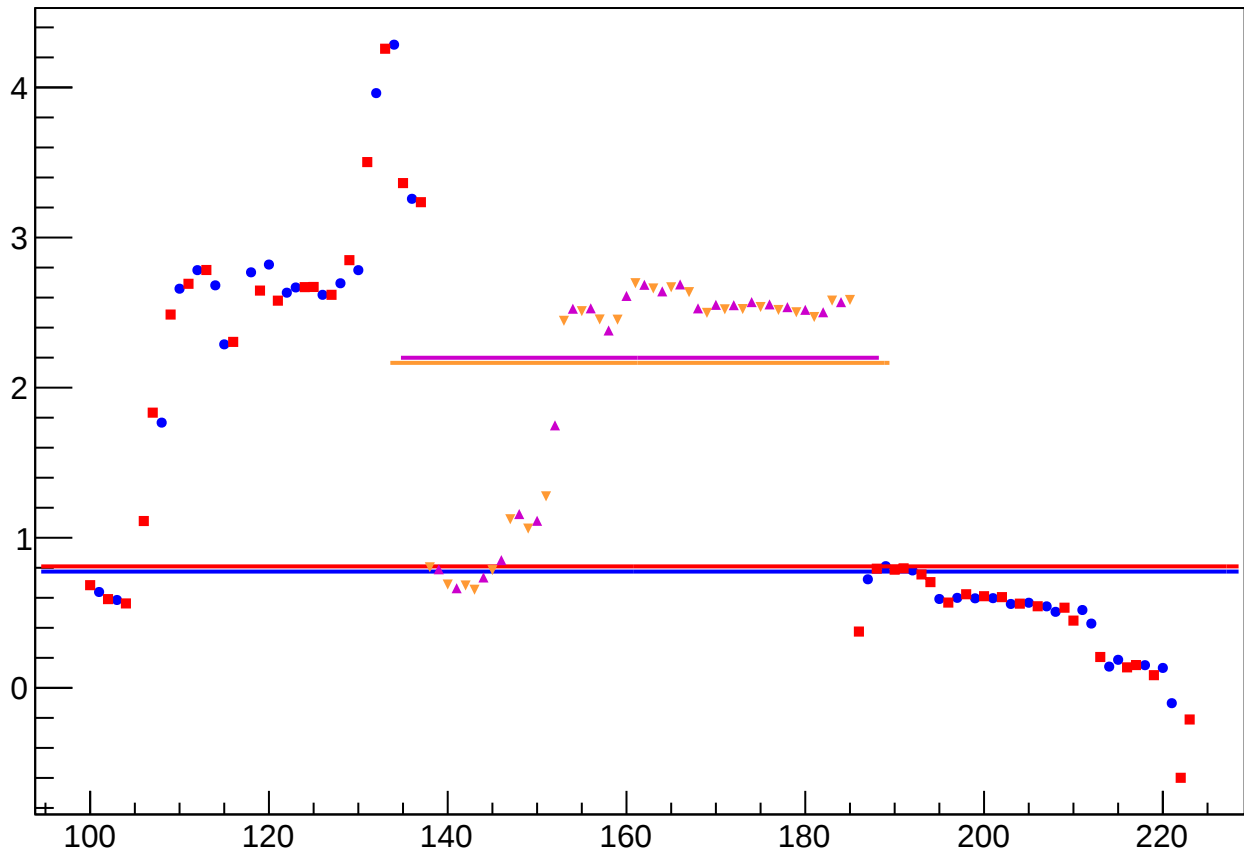
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6267300.1/59

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12601077.5/121

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6323298.4/61

yield_bpm0l05Y_mean vs Slug



Right In: 0.775 $\pm$ 0.000 χ^2 /NDF: 360419544603.6/34

Left Out: 2.165 $\pm$ 0.000 χ^2 /NDF: 292800056899.6/24

Right Out: 0.809 $\pm$ 0.000 χ^2 /NDF: 425958170773.5/38

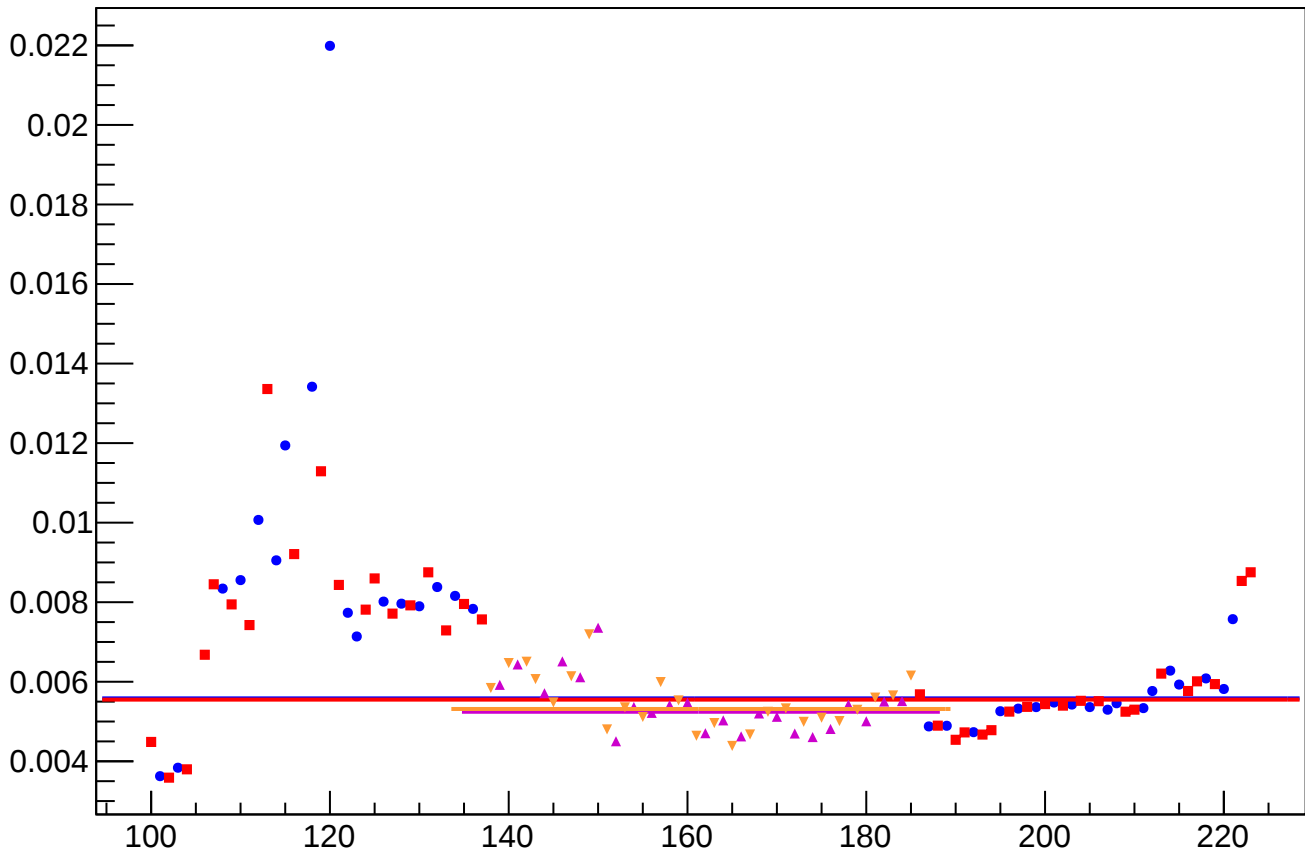
Left In: 2.199 $\pm$ 0.000 χ^2 /NDF: 253166239065.4/22

+ sign 1.486 $\pm$ 0.000 χ^2 /NDF: 1207737031305.1/59

All: 1.489 $\pm$ 0.000 χ^2 /NDF: 2449324891717.0

- sign 1.492 $\pm$ 0.000 χ^2 /NDF: 1241566415972.4/61

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2187445.8/34

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 2209594.3/38

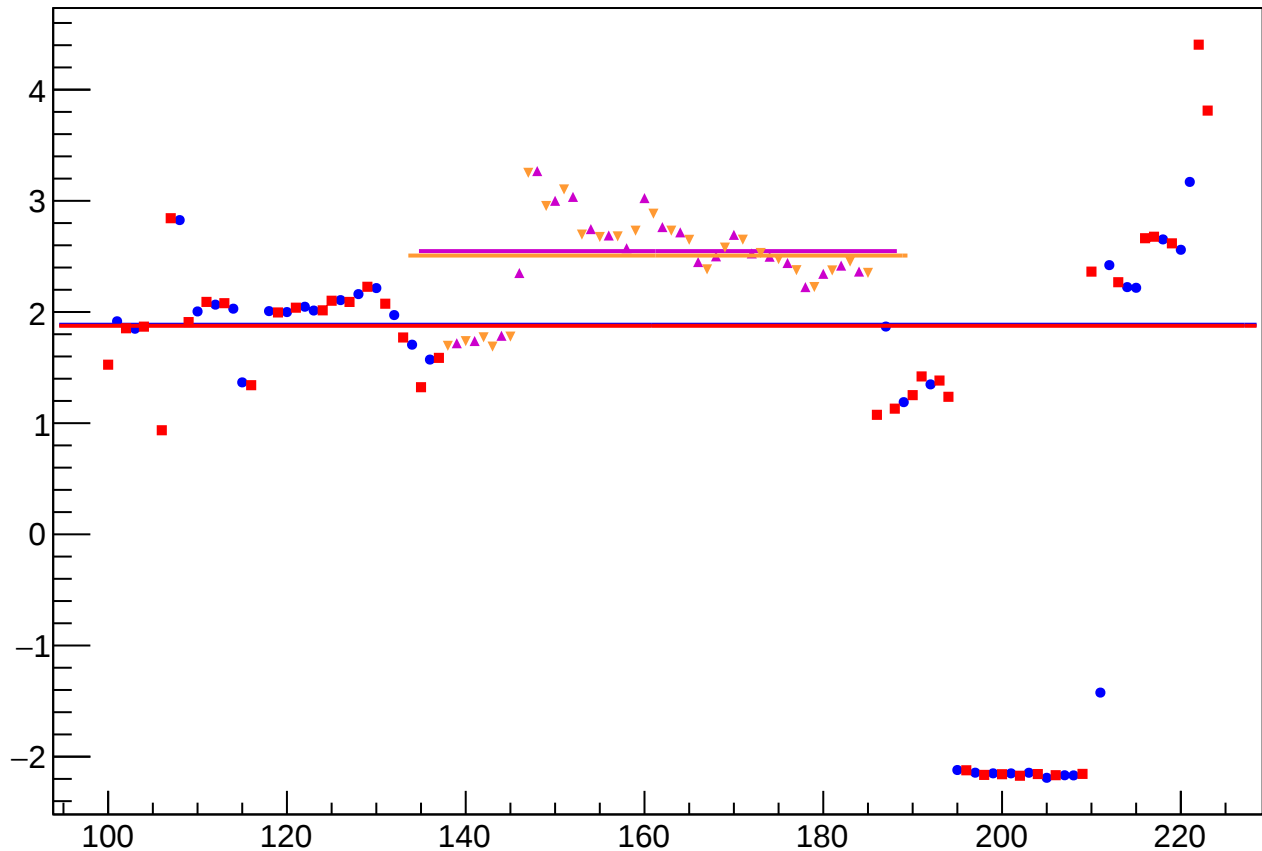
Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2627059.9/59

All: 0.005+/-0.000 χ^2/NDF : 5319064.8/121

- sign 0.005+/-0.000 χ^2/NDF : 2689691.8/61

yield_bpm0l06X_mean vs Slug



Right In: 1.886 $\pm$ 0.000 χ^2 /NDF: 183249310566.2/34

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.876 $\pm$ 0.000 χ^2 /NDF: 204713090429.5/38

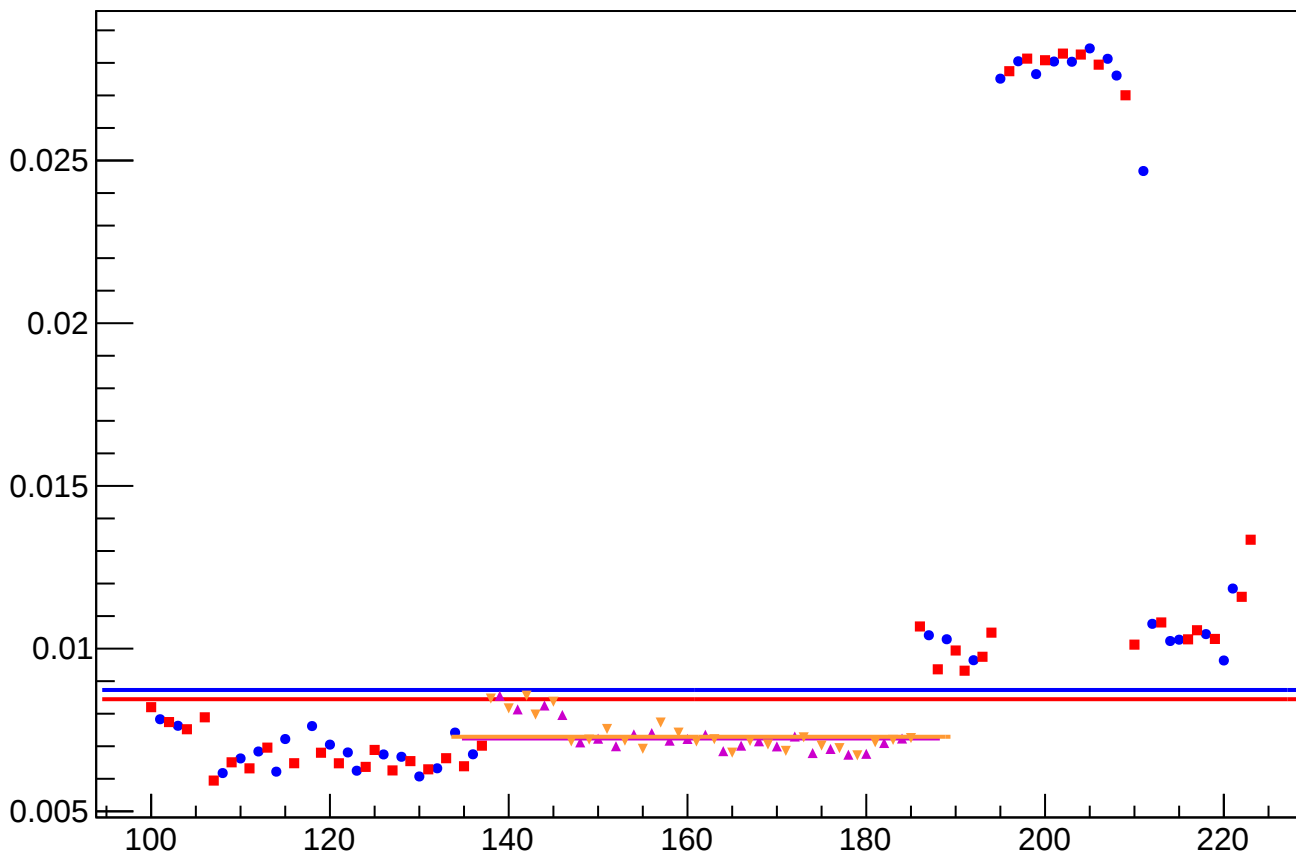
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.271 $\pm$ 0.000 χ^2 /NDF: 283937839427.2/59

All: 2.268 $\pm$ 0.000 χ^2 /NDF: 594347058530.6

- sign 2.264 $\pm$ 0.000 χ^2 /NDF: 310396153379.3/61

yield_bpm0l06X_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 7864823.3/34

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:140788.4/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 6788662.1/38

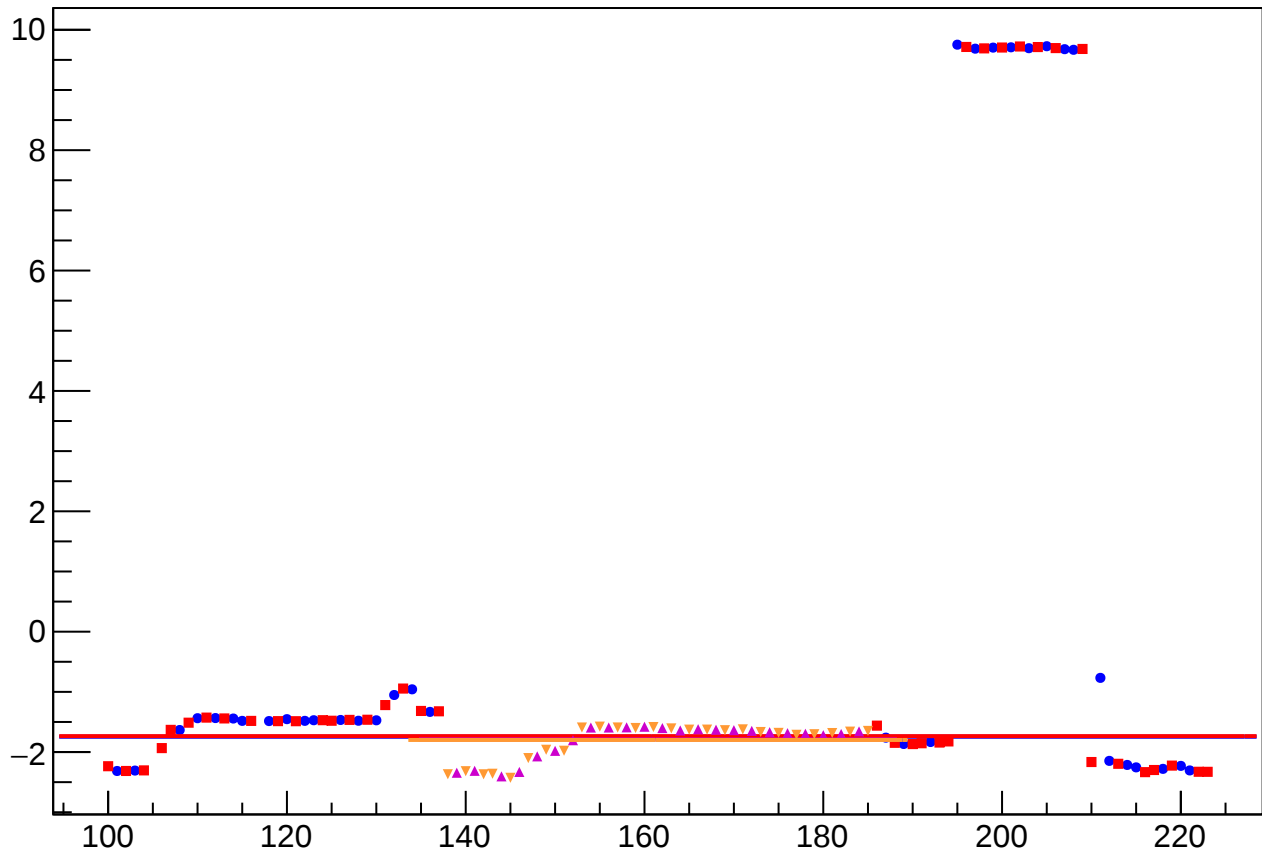
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:125233.2/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 8521534.1/59

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 15829591.6/121

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7303654.6/61

yield_bpm0l06Y_mean vs Slug



Right In: -1.745+/-0.000 χ^2/NDF : 445299601235.7/34

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.736+/-0.000 χ^2/NDF : 430554551710.6/38

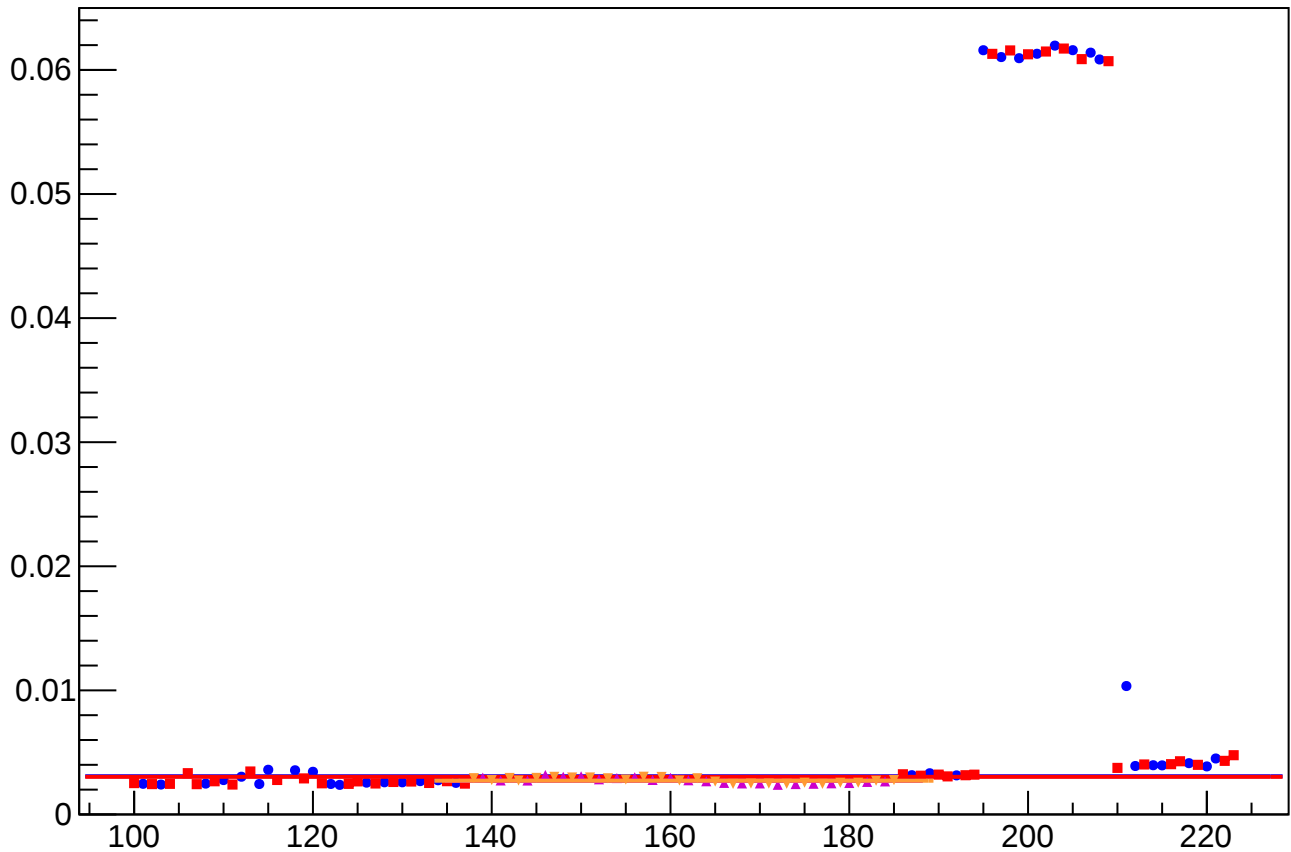
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.780+/-0.000 χ^2/NDF : 633111309913.2/59

All: -1.774+/-0.000 χ^2/NDF : 1226322418868

- sign -1.768+/-0.000 χ^2/NDF : 592954598615.2/61

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 12440384.8/34

Left Out: 0.003+/-0.000 χ^2/NDF : 199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 10709607.6/38

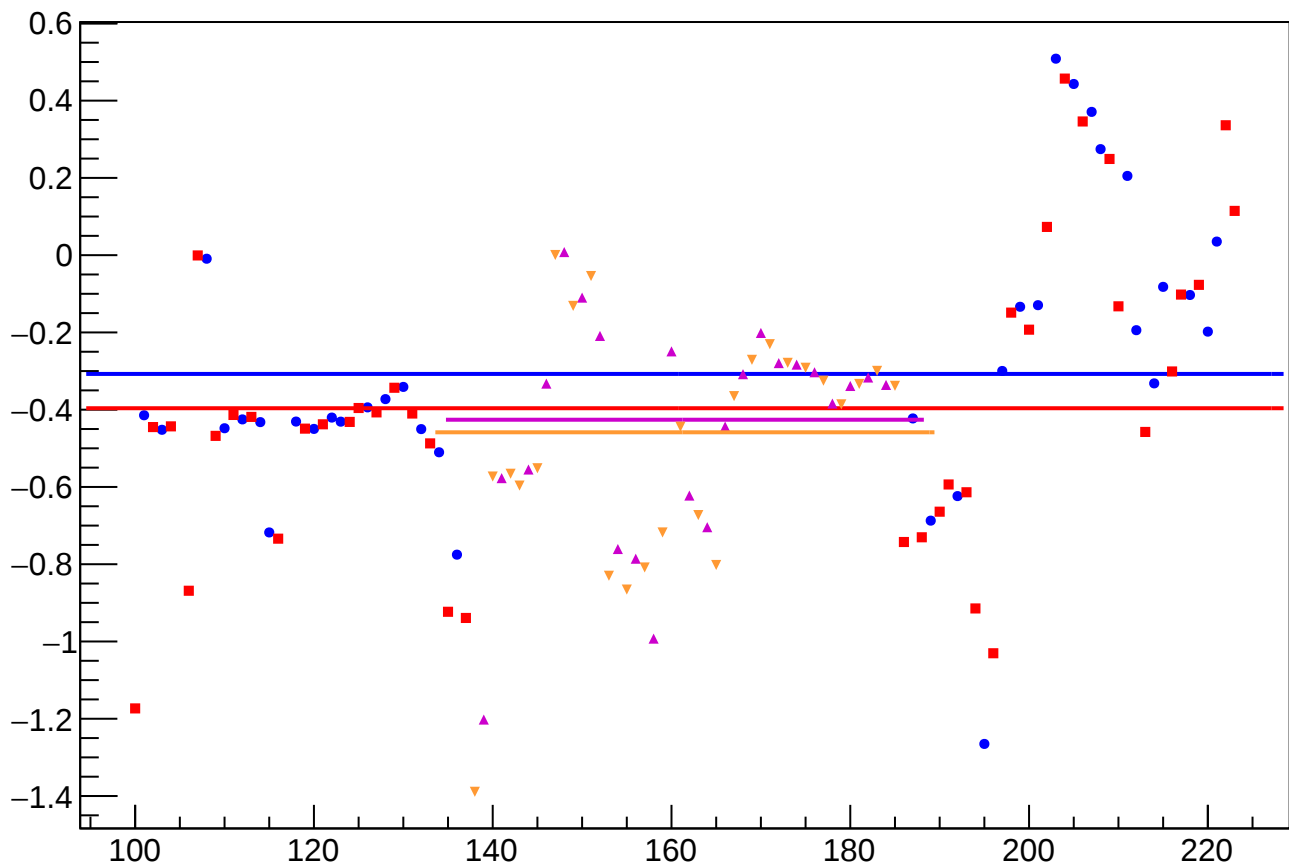
Left In: 0.003+/-0.000 χ^2/NDF : 220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 12862890.1/59

All: 0.003+/-0.000 χ^2/NDF : 23996427.1/121

- sign 0.003+/-0.000 χ^2/NDF : 11132969.2/61

yield_bpm0l07X_mean vs Slug



Right In: -0.307 ± 0.000 $\chi^2/\text{NDF}: 11282014969.0/34$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 9916462814.9/24$

Right Out: -0.396 ± 0.000 $\chi^2/\text{NDF}: 11694534593.9/38$

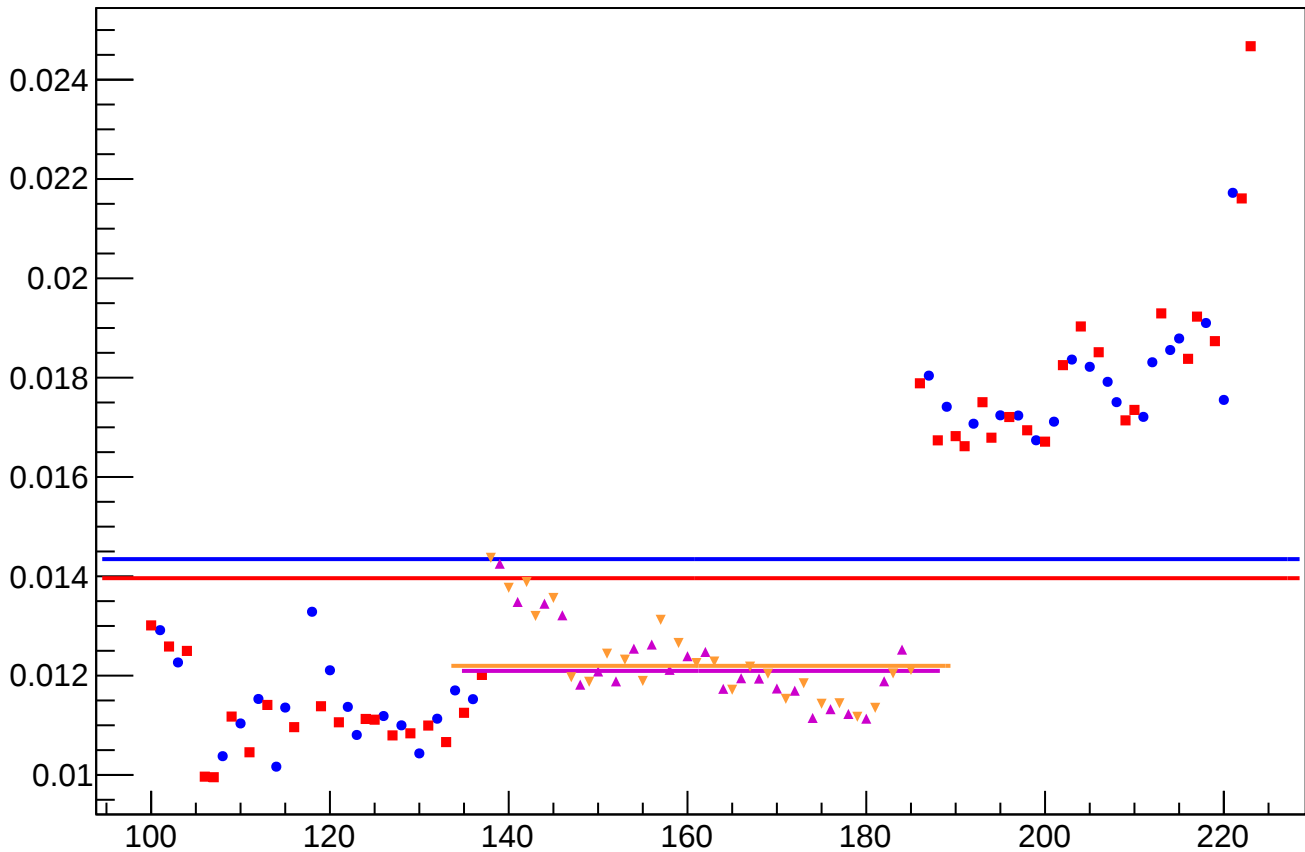
Left In: -0.426 ± 0.000 $\chi^2/\text{NDF}: 8424222576.0/22$

+ sign -0.394 ± 0.000 $\chi^2/\text{NDF}: 22357292347.9/59$

All: -0.403 ± 0.000 $\chi^2/\text{NDF}: 42558826963.8/61$

- sign -0.412 ± 0.000 $\chi^2/\text{NDF}: 20165015885.1/61$

yield_bpm0l07X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1981201.0/34

Left Out: 0.012+/-0.000 χ^2/NDF :141850.9/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2404026.1/38

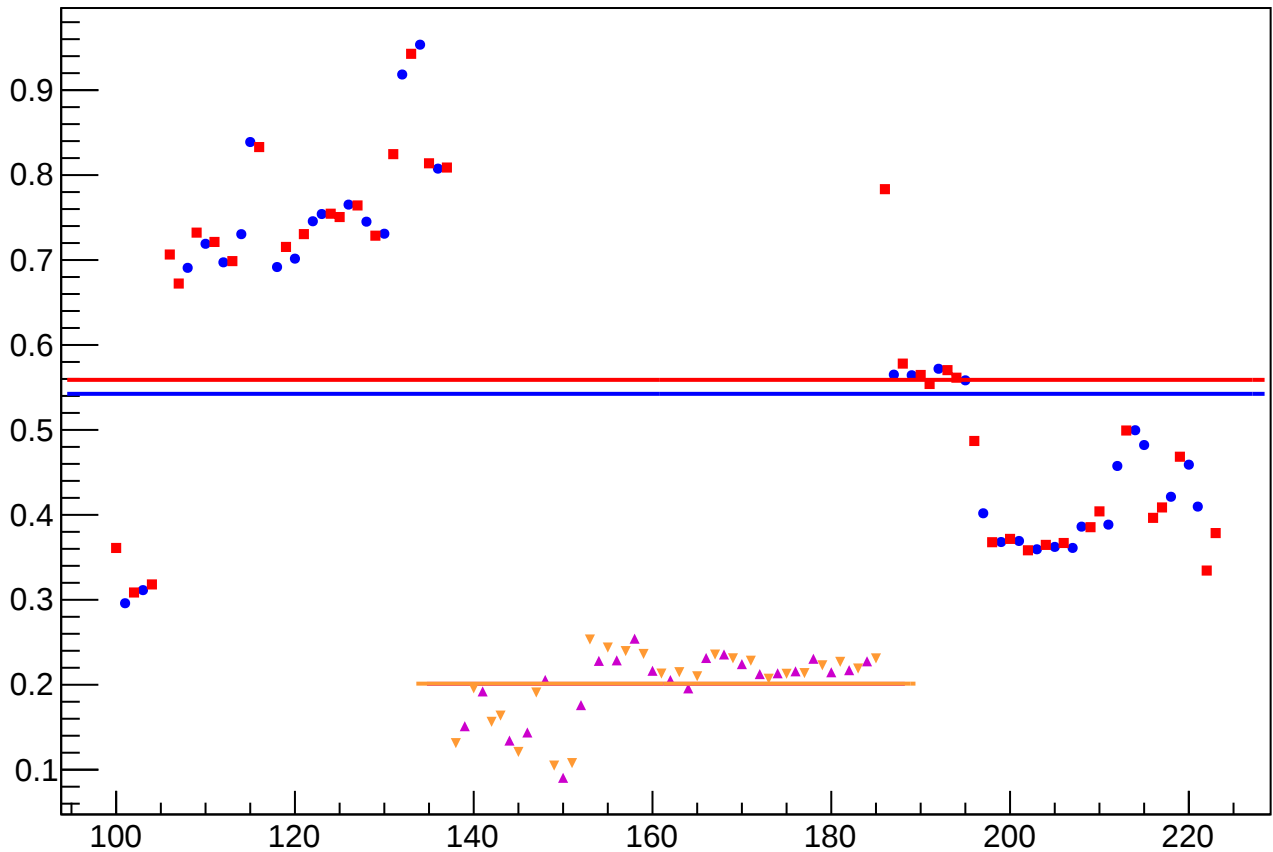
Left In: 0.012+/-0.000 χ^2/NDF :127308.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 2591802.7/59

All: 0.013+/-0.000 χ^2/NDF : 5493039.6/121

- sign 0.013+/-0.000 χ^2/NDF : 2895480.6/61

yield_bpm0l07Y_mean vs Slug



Right In: 0.542 $\pm$ 0.000 χ^2 /NDF: 79231887268.0/34

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.559 $\pm$ 0.000 χ^2 /NDF: 80735817643.2/38

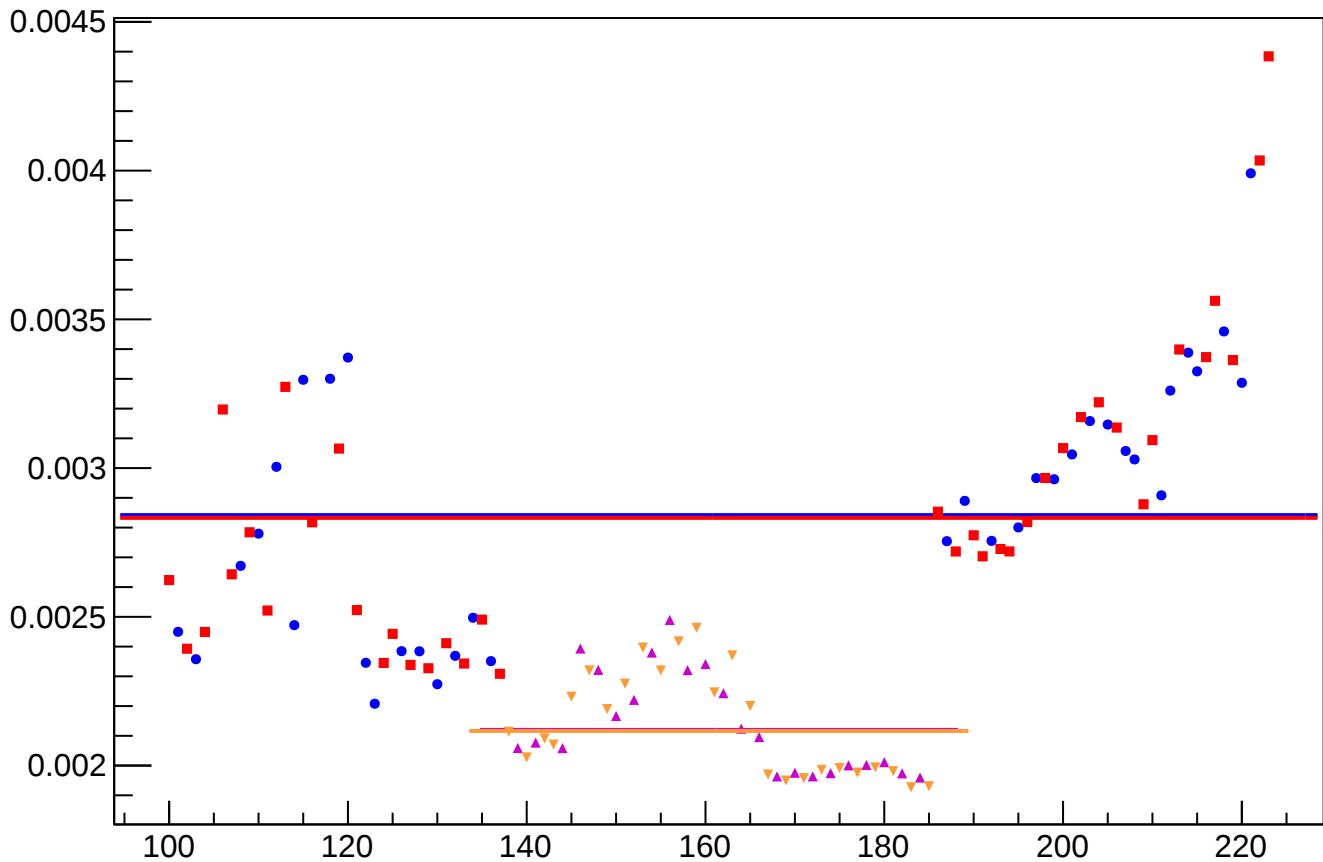
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.326 $\pm$ 0.000 χ^2 /NDF: 259089631108.4/59

All: 0.333 $\pm$ 0.000 χ^2 /NDF: 536450619081.8

- sign 0.341 $\pm$ 0.000 χ^2 /NDF: 276724607586.0/61

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 774054.4/34

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:224498.3/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 787785.9/38

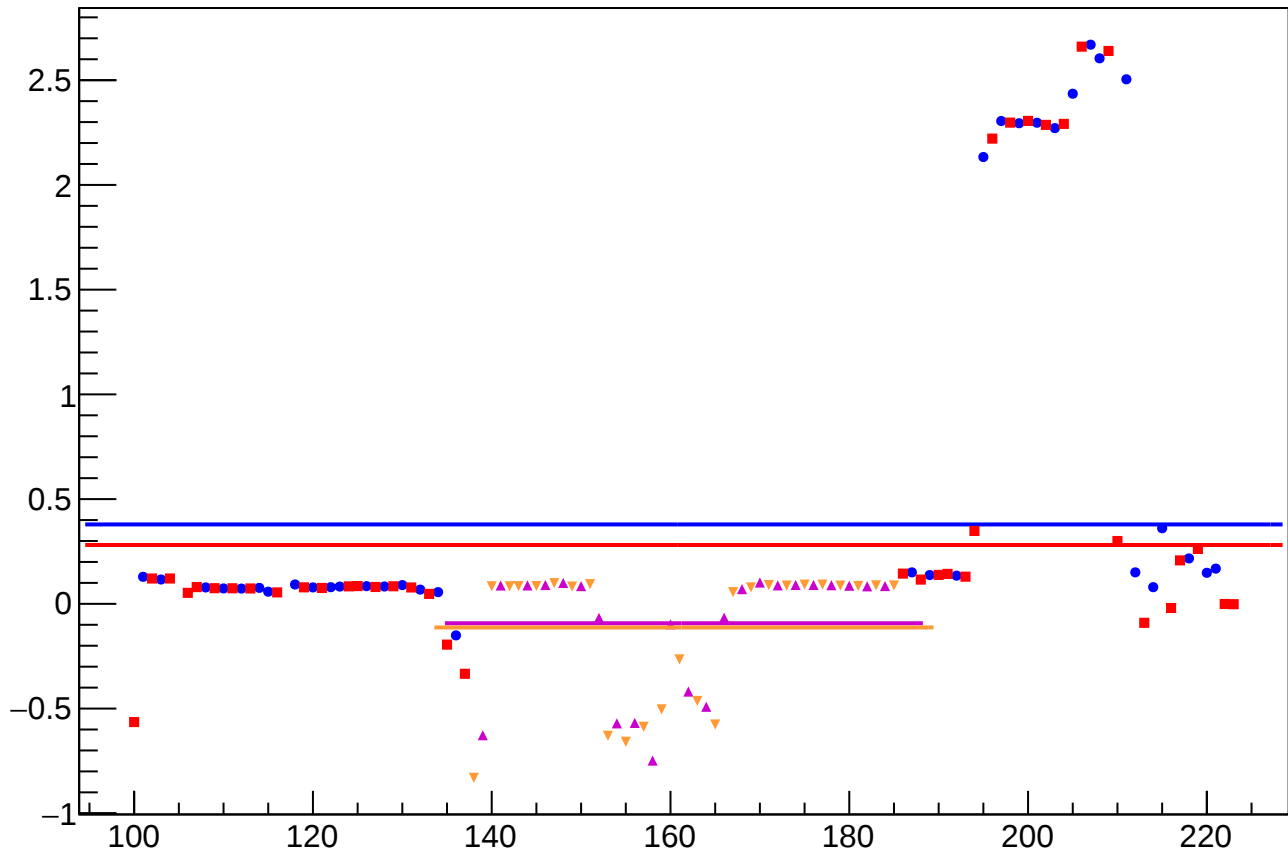
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:189228.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2561356.3/59

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5050448.1/121

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2487598.0/61

yield_bpm0l08X_mean vs Slug



Right In: 0.379+/-0.000 χ^2/NDF : 61738883600.3/34

Left Out: -0.113+/-0.000 χ^2/NDF : 13667354077.1/24

Right Out: 0.281+/-0.000 χ^2/NDF : 52644506736.1/38

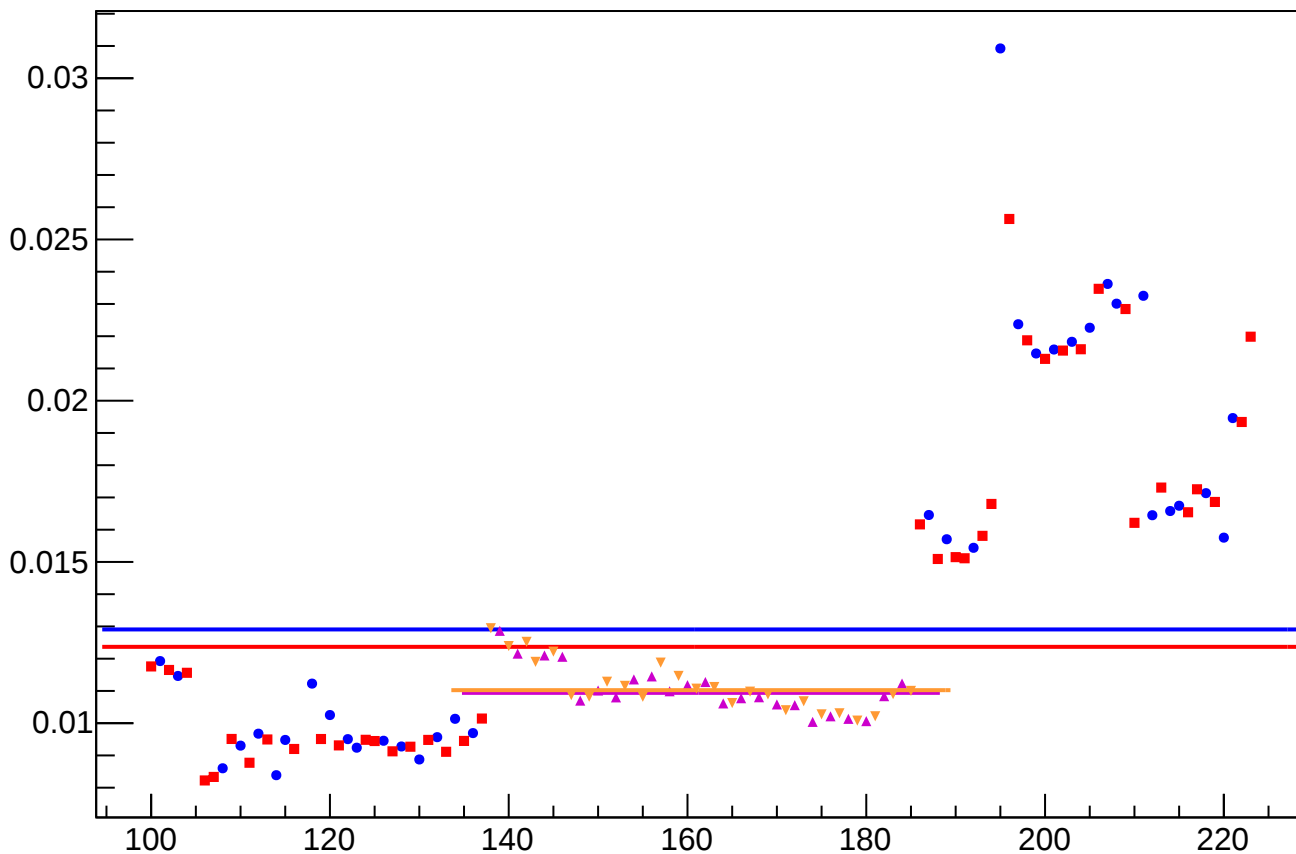
Left In: -0.093+/-0.000 χ^2/NDF : 11051944893.7/22

+ sign 0.091+/-0.000 χ^2/NDF : 89891805338.1/59

All: 0.084+/-0.000 χ^2/NDF : 162426501127.0

- sign 0.077+/-0.000 χ^2/NDF : 72513073897.8/61

yield_bpm0l08X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 4835159.3/34

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:141501.7/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 4733844.1/38

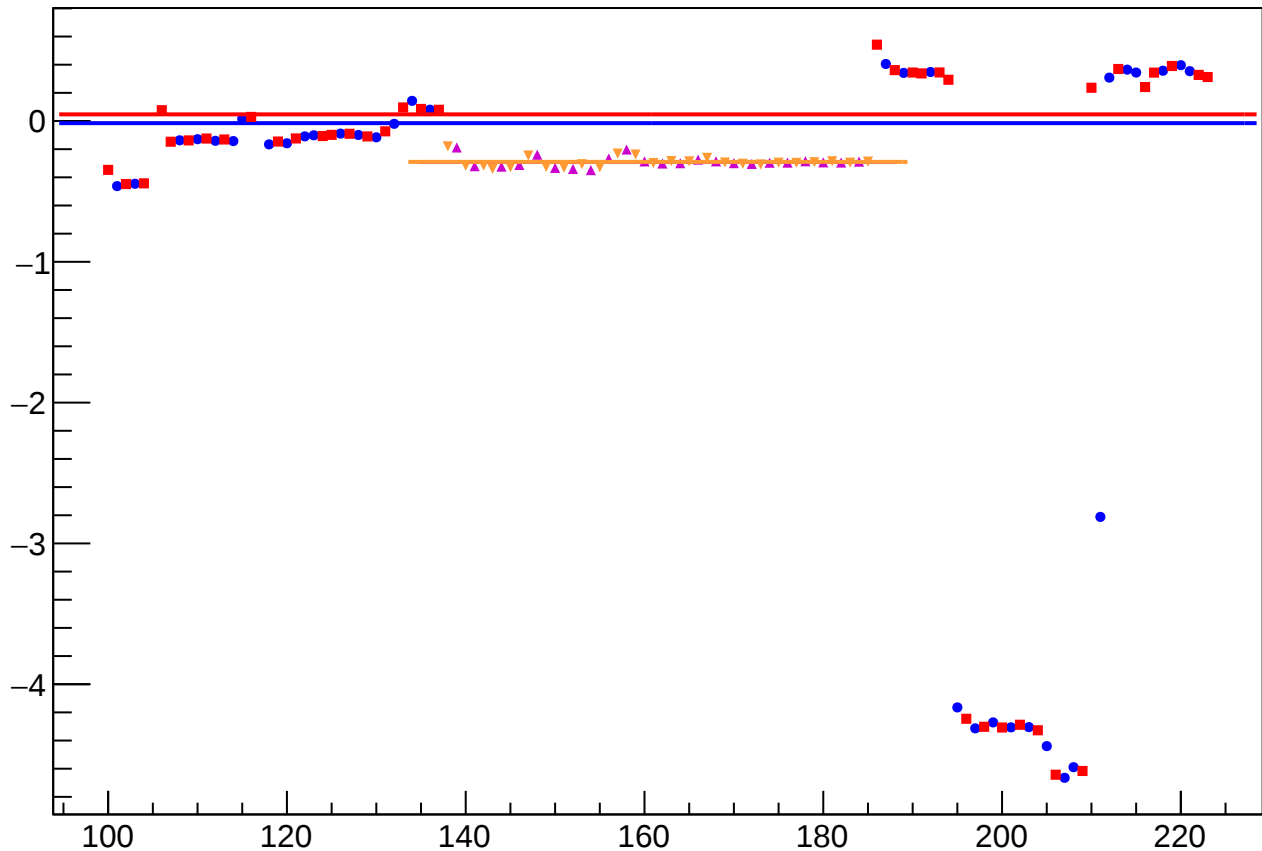
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:128914.2/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5401287.8/59

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10532553.0/121

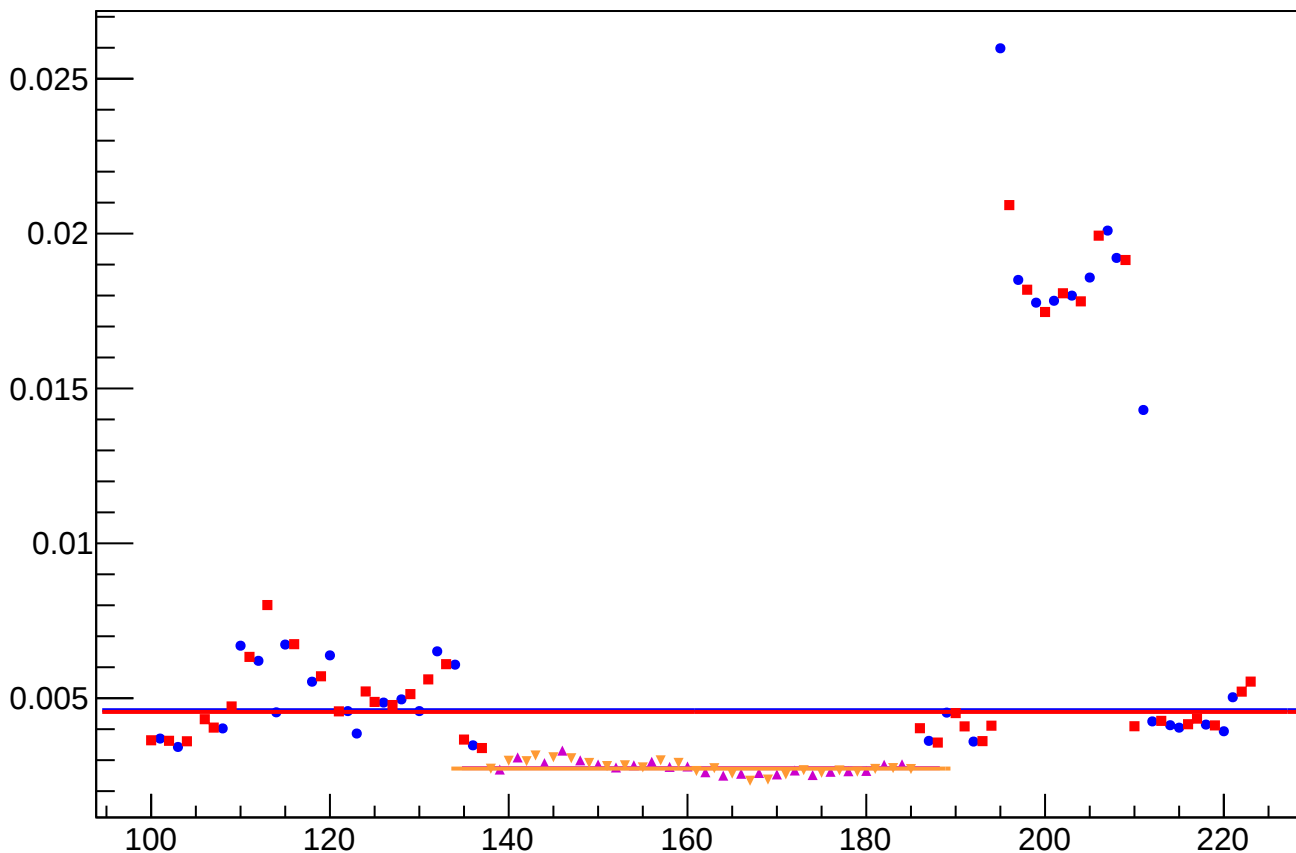
- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5119989.0/61

yield_bpm0l08Y_mean vs Slug



Right In: -0.015+/-0.000	χ^2/NDF : 411367282567.6/34	+ sign -0.229+/-0.000	χ^2/NDF : 454178554477.2/59
Left Out: -0.290+/-0.000	χ^2/NDF : 2877519093.0/24	All: -0.216+/-0.000	χ^2/NDF : 883226767219.4
Right Out: 0.047+/-0.000	χ^2/NDF : 359955796461.4/38	- sign -0.204+/-0.000	χ^2/NDF : 428104328090.4/61
Left In: -0.291+/-0.000	χ^2/NDF : 3125402243.3/22		

yield_bpm0l08Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 8664027.2/34

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 7039908.3/38

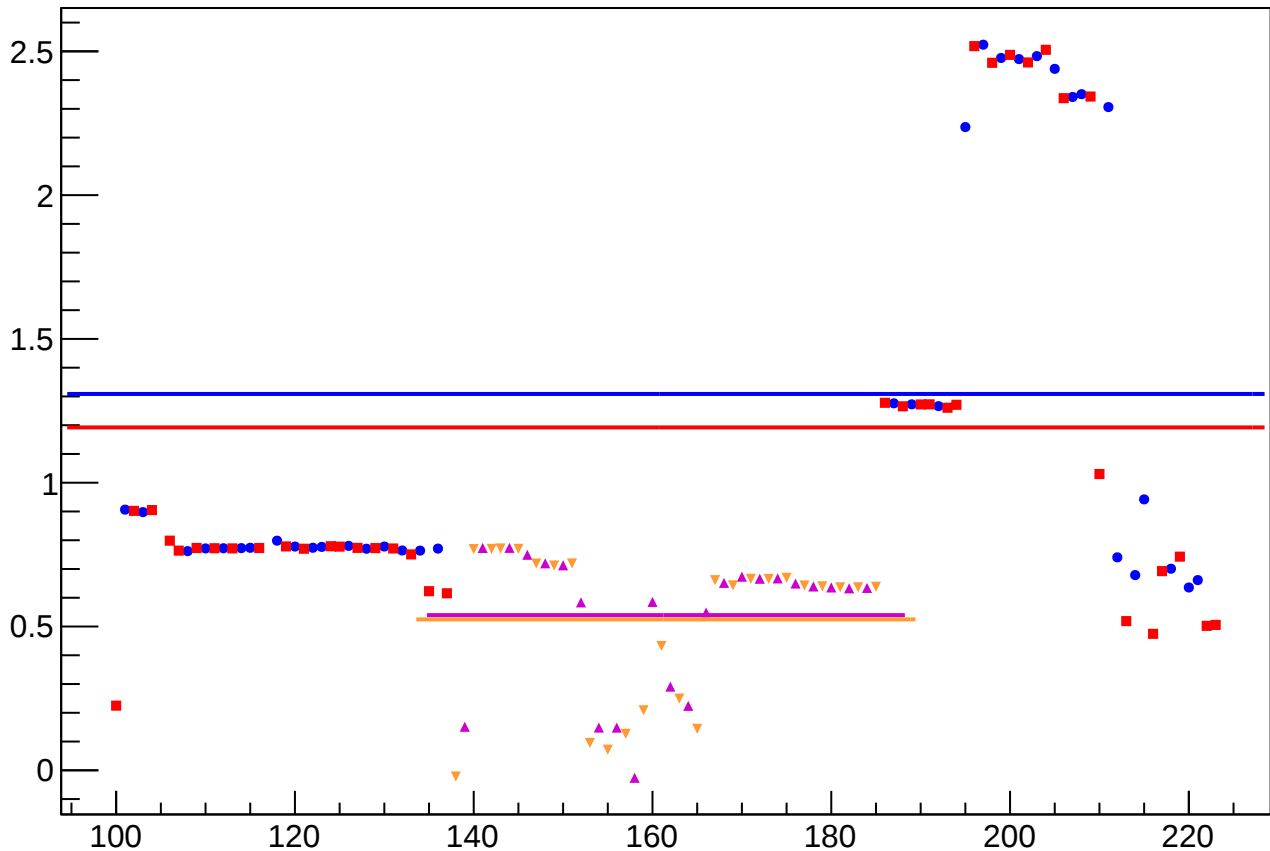
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 12617605.5/59

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 23557504.2/121

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 10928718.1/61

yield_bpm0l09X_mean vs Slug



Right In: 1.309+/-0.000 χ^2/NDF : 63201184629.8/34

Left Out: 0.525+/-0.000 χ^2/NDF :9623503169.9/24

Right Out: 1.192+/-0.000 χ^2/NDF : 59002815237.4/38

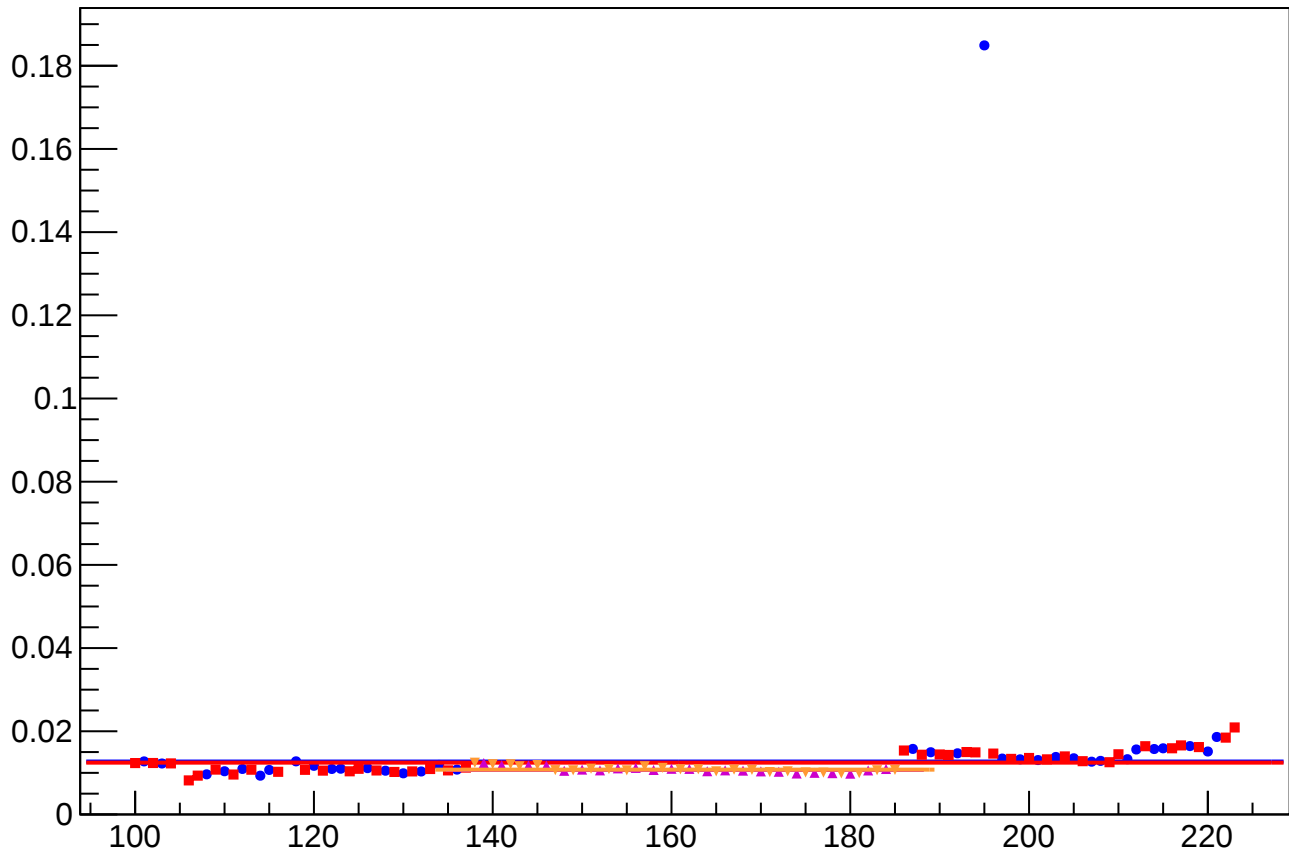
Left In: 0.540+/-0.000 χ^2/NDF :7860539135.5/22

+ sign 0.856+/-0.000 χ^2/NDF : 112474987693.8/59

All: 0.846+/-0.000 χ^2/NDF : 207621898533.8

- sign 0.836+/-0.000 χ^2/NDF : 95091916455.2/61

yield_bpm0l09X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2431041.7/34

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 1419060.0/38

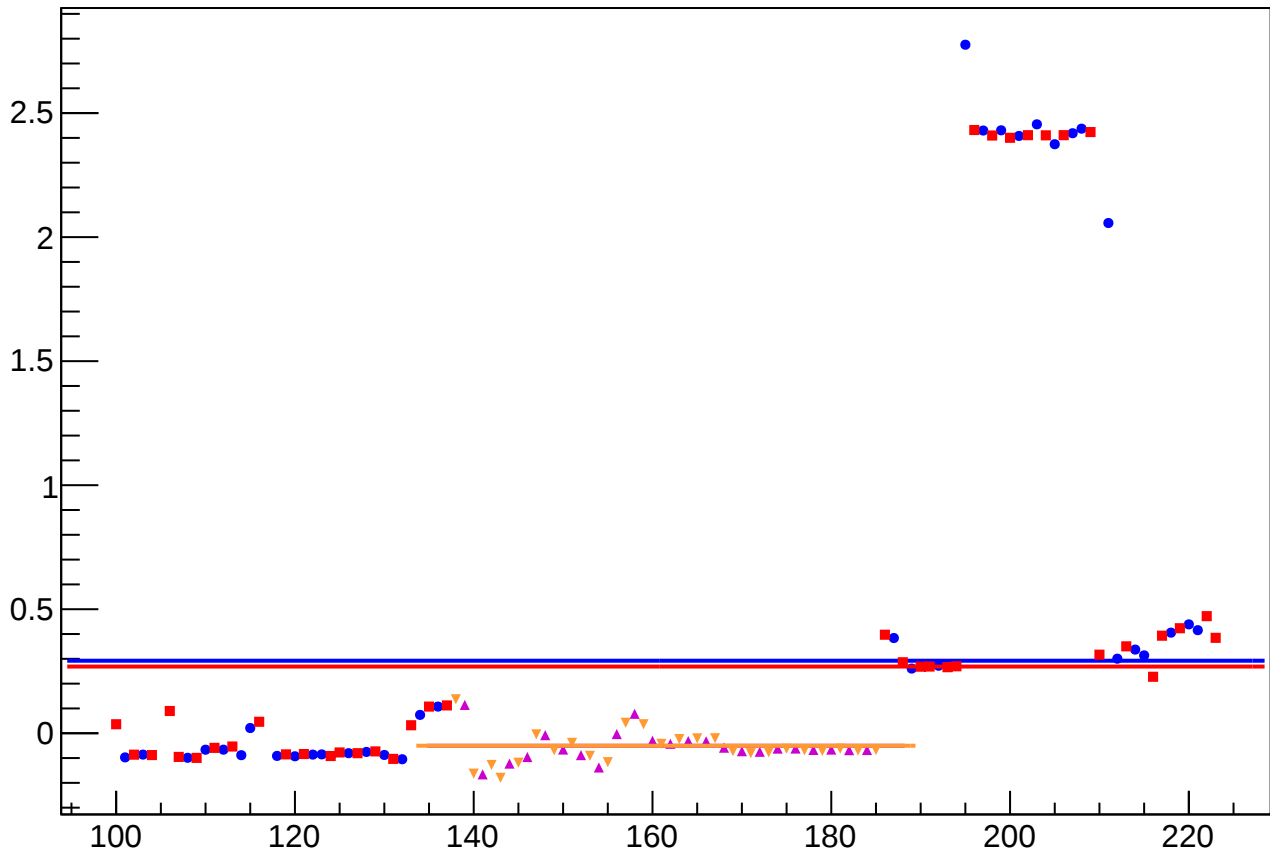
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3055708.7/59

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5009073.1/121

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1950496.8/61

yield_bpm0l09Y_mean vs Slug



Right In: 0.292 $\pm$ 0.000 χ^2 /NDF: 198738240390.3/34

Left Out: -0.050 $\pm$ 0.000 χ^2 /NDF: 7271496478.6/24

Right Out: 0.269 $\pm$ 0.000 χ^2 /NDF: 163858931069.4/38

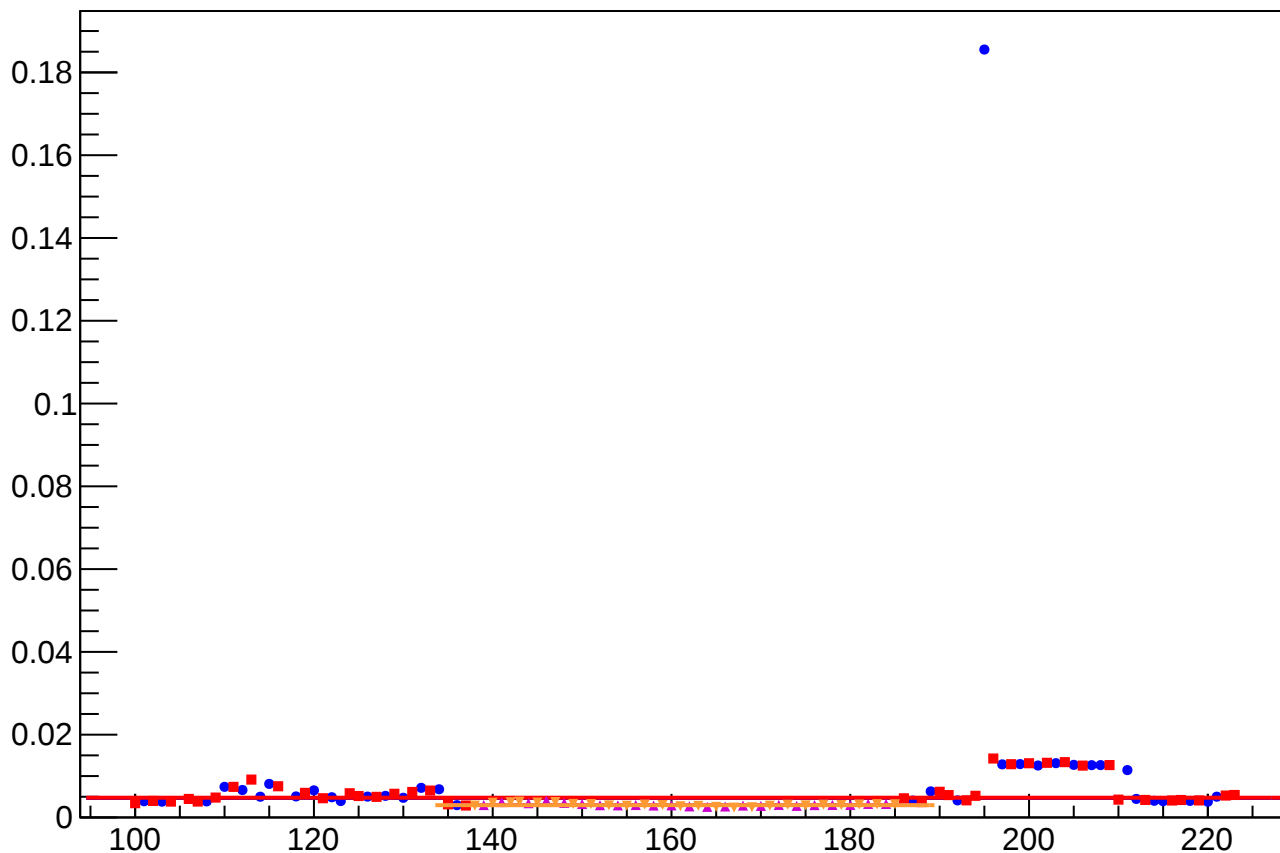
Left In: -0.051 $\pm$ 0.000 χ^2 /NDF: 6128769990.8/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 264269932415.4/59

All: 0.038 $\pm$ 0.000 χ^2 /NDF: 485654623631.5

- sign 0.040 $\pm$ 0.000 χ^2 /NDF: 221376770938.4/61

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 7606287.3/34

Left Out: 0.003+/-0.000 χ^2/NDF :499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 5287714.5/38

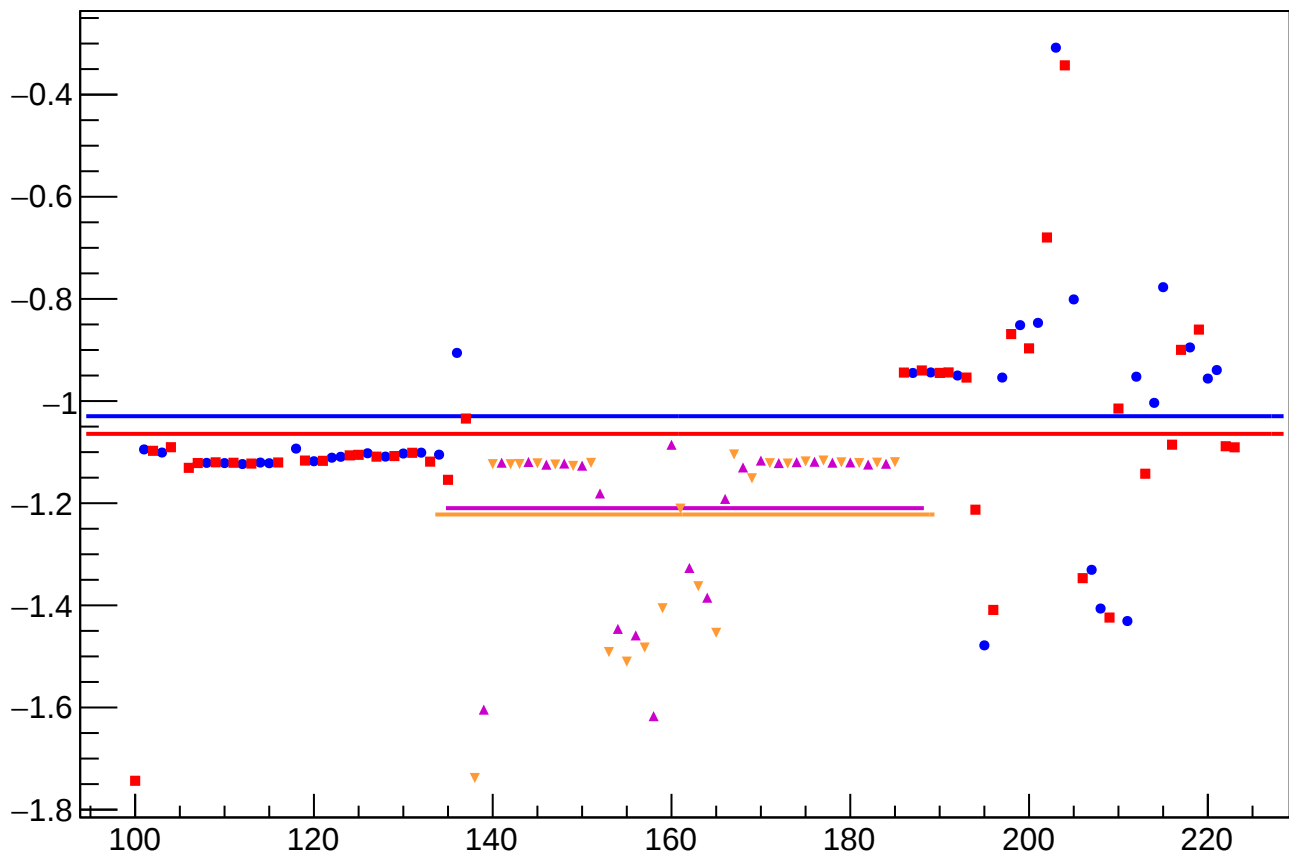
Left In: 0.003+/-0.000 χ^2/NDF :329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 11096025.0/59

All: 0.003+/-0.000 χ^2/NDF : 19858461.6/121

- sign 0.004+/-0.000 χ^2/NDF : 8739836.7/61

yield_bpm0l10X_mean vs Slug



Right In: -1.030+/-0.000 χ^2/NDF : 5994689832.4/34

Left Out: -1.222+/-0.000 χ^2/NDF : 5279548861.3/24

Right Out: -1.064+/-0.000 χ^2/NDF : 4917755432.2/38

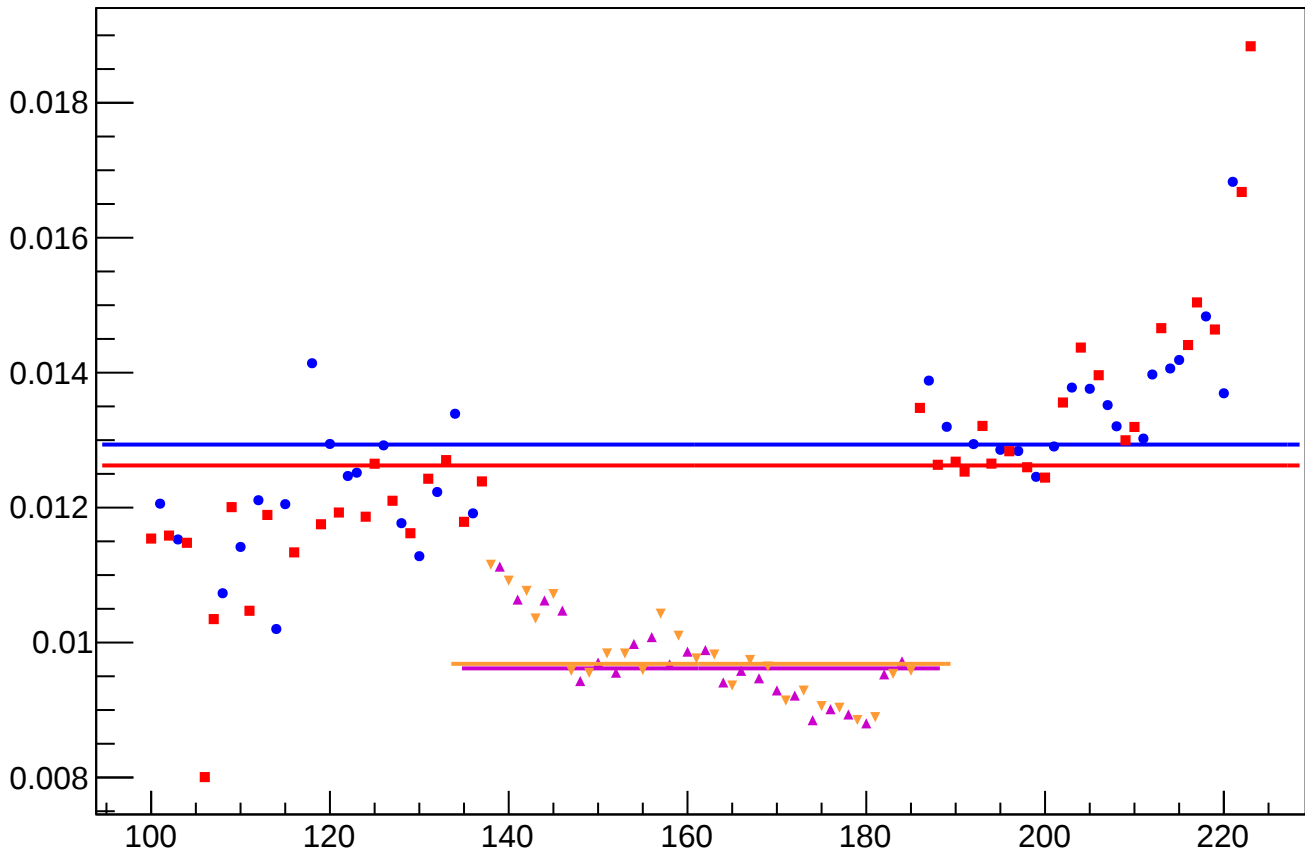
Left In: -1.210+/-0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.150+/-0.000 χ^2/NDF : 13916095119.7/59

All: -1.150+/-0.000 χ^2/NDF : 24892725502.1/119

- sign -1.151+/-0.000 χ^2/NDF : 10976480784.3/61

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 310837.9/34

Left Out: 0.010+/-0.000 χ^2/NDF :134863.6/24

Right Out: 0.013+/-0.000 χ^2/NDF : 643276.8/38

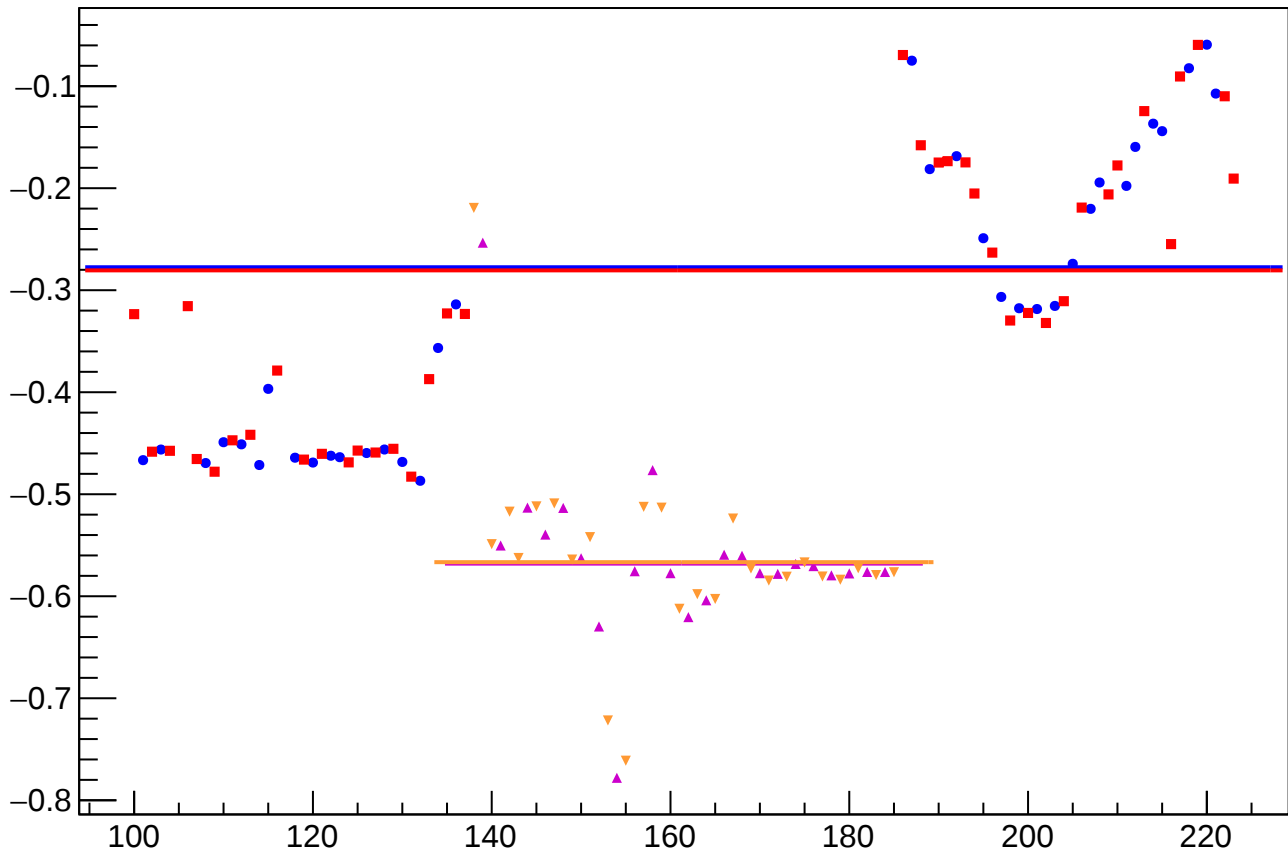
Left In: 0.010+/-0.000 χ^2/NDF :119823.1/22

+ sign 0.011+/-0.000 χ^2/NDF : 1951977.1/59

All: 0.011+/-0.000 χ^2/NDF : 4047439.4/121

- sign 0.011+/-0.000 χ^2/NDF : 2093949.2/61

yield_bpm0l10Y_mean vs Slug



Right In: -0.277+/-0.000 χ^2/NDF : 20948186241.1/34

Left Out: -0.567+/-0.000 χ^2/NDF :13368458519.3/24

Right Out: -0.281+/-0.000 χ^2/NDF : 20218297008.6/38

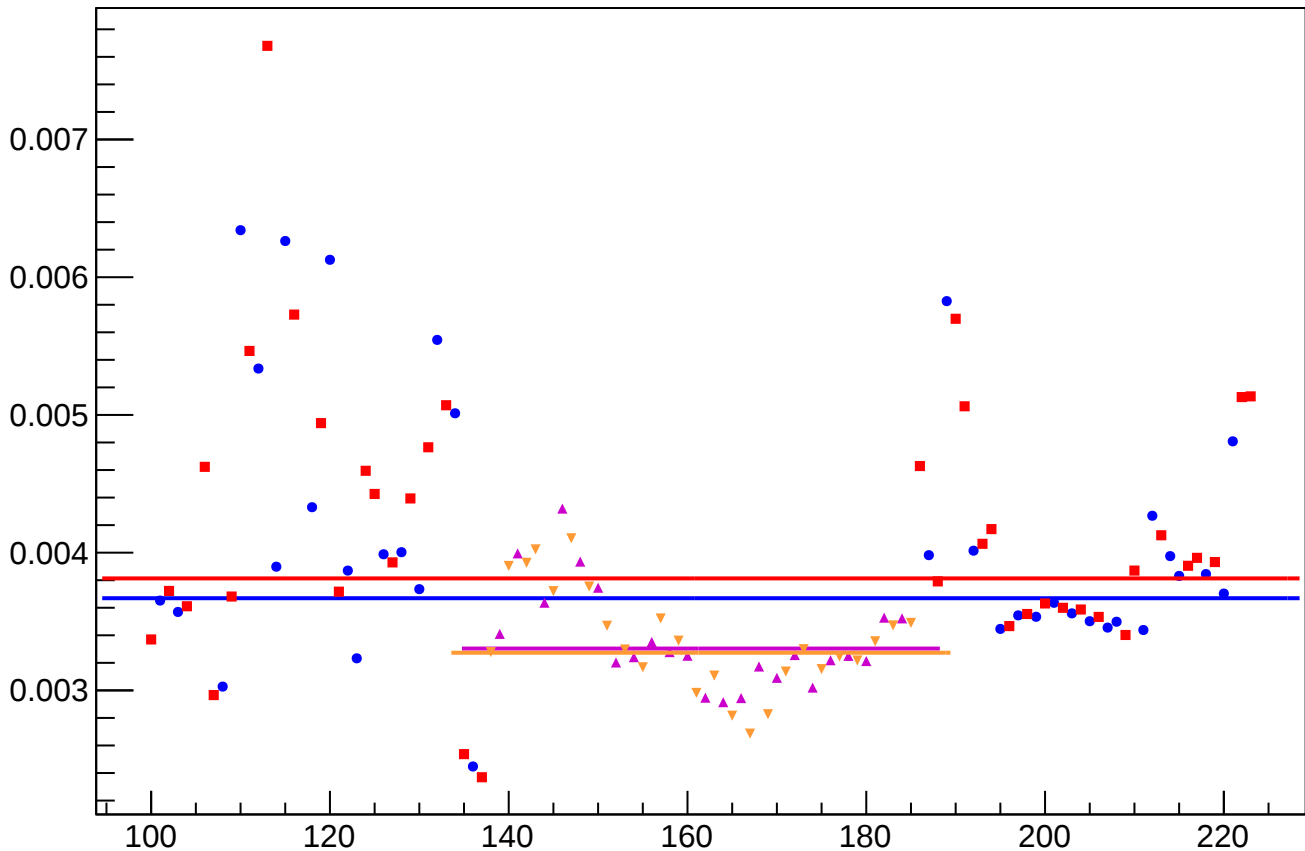
Left In: -0.568+/-0.000 χ^2/NDF :10458990019.9/22

+ sign -0.435+/-0.000 χ^2/NDF : 95237847792.7/59

All: -0.435+/-0.000 χ^2/NDF : 182716432249.4

- sign -0.434+/-0.000 χ^2/NDF : 87477979812.9/61

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1154709.8/34

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1255414.7/38

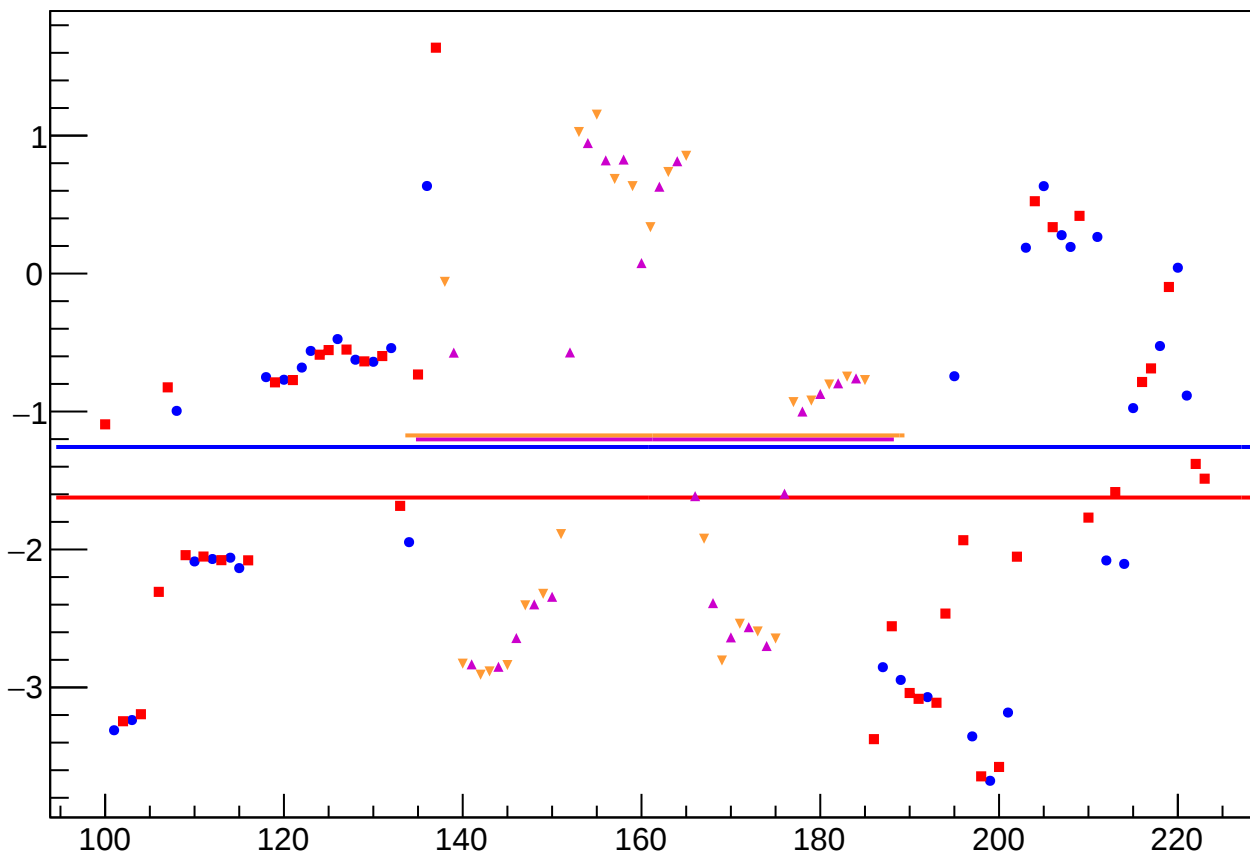
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1777913.1/59

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3697532.3/121

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1898076.5/61

yield_bpm0r03X_mean vs Slug



Right In: -1.257+/-0.000 χ^2/NDF : 6538150728.8/34

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -1.623+/-0.000 χ^2/NDF : 5687387125.3/38

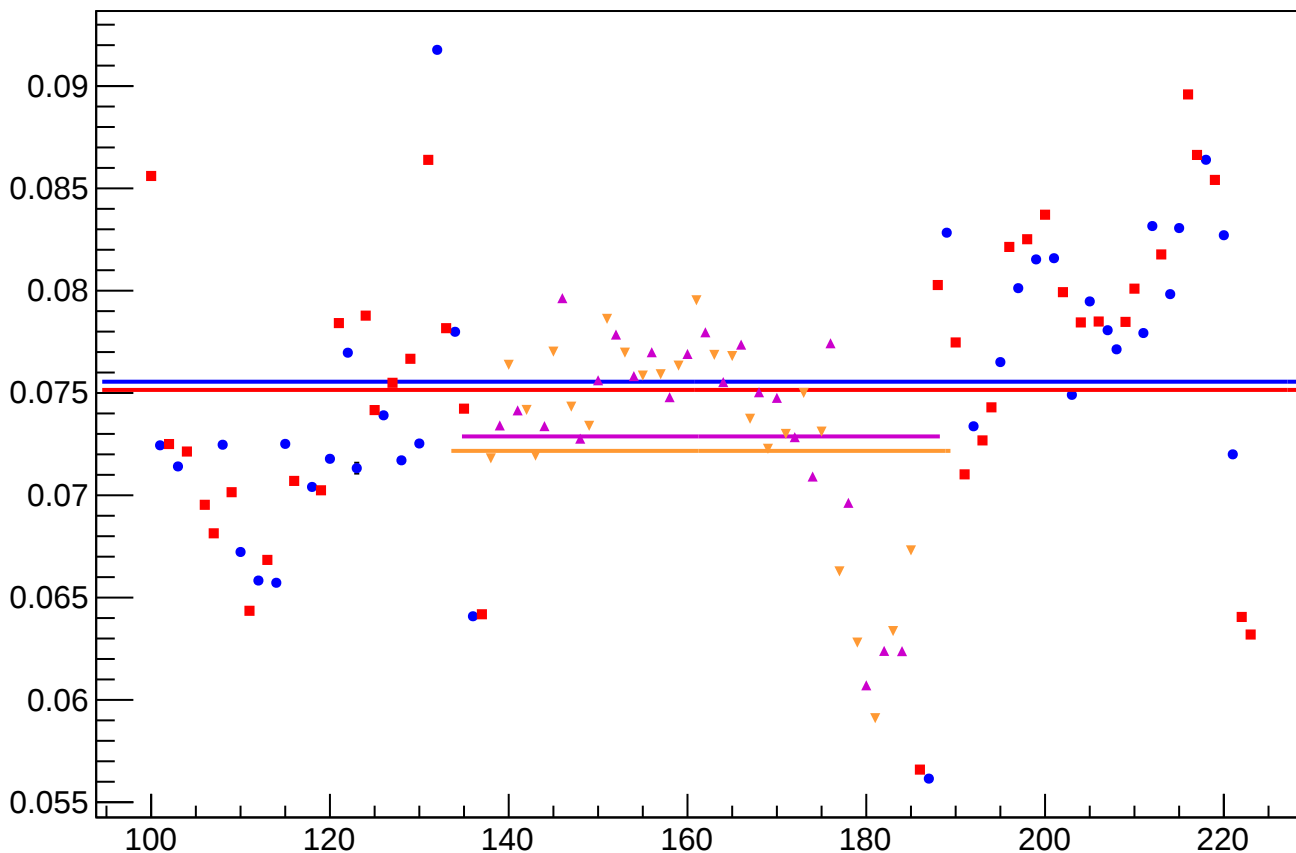
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.215+/-0.000 χ^2/NDF : 13432977307.0/59

All: -1.319+/-0.000 χ^2/NDF : 25178279136.4/119

- sign -1.425+/-0.000 χ^2/NDF : 11594622276.1/61

yield_bpm0r03X_rms vs Slug



Right In: 0.076 $\pm$ 0.000 χ^2 /NDF: 274091.2/34

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:222263.8/24

Right Out: 0.075 $\pm$ 0.000 χ^2 /NDF: 407874.0/38

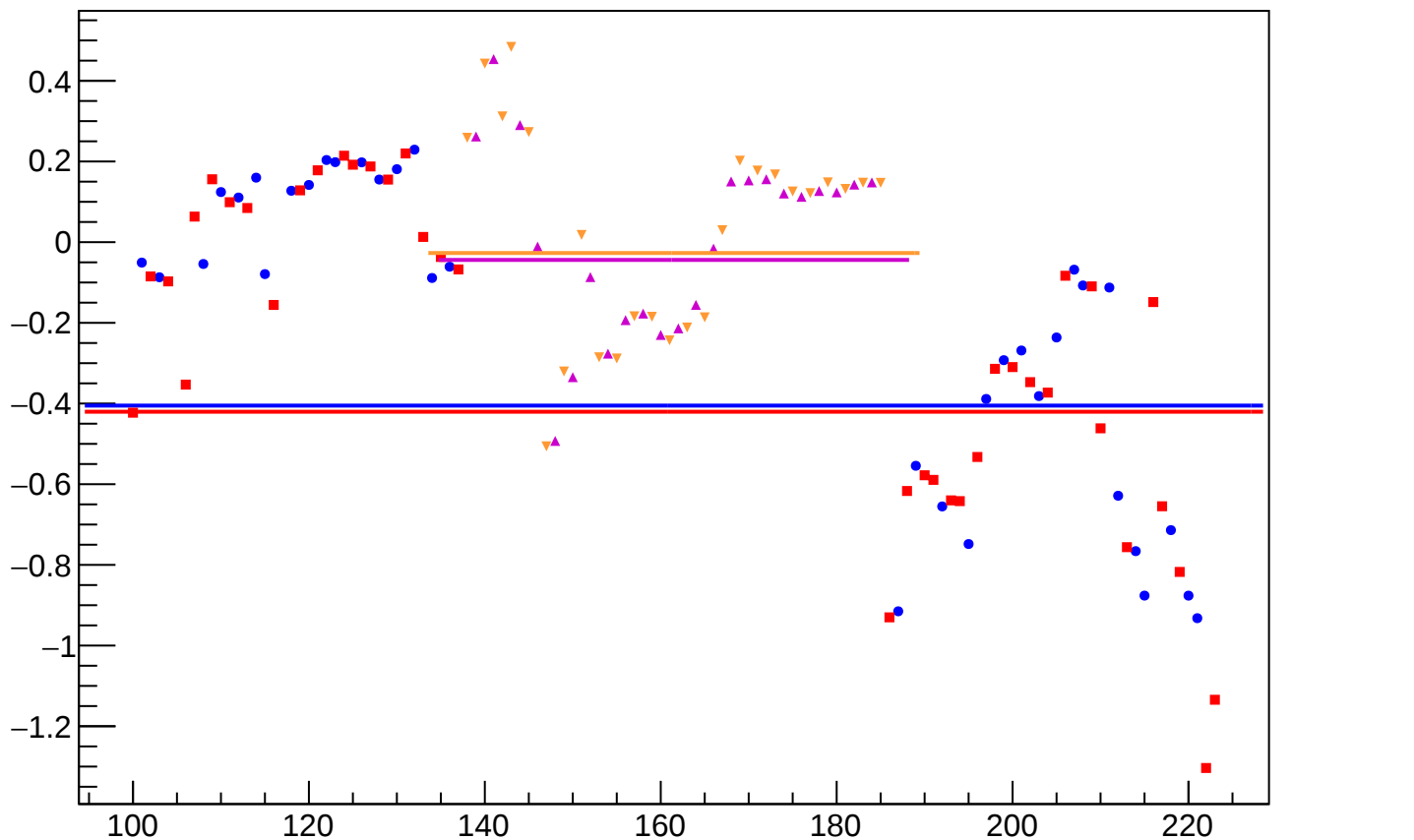
Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:183503.0/22

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 535705.5/59

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 1144890.4/121

- sign 0.074 $\pm$ 0.000 χ^2 /NDF: 608831.7/61

yield_bpm0r03Y_mean vs Slug



Right In: -0.405 ± 0.000 χ^2/NDF : 32639891563.4/34

Left Out: -0.027 ± 0.000 χ^2/NDF : 20376761328.6/24

Right Out: -0.420 ± 0.000 χ^2/NDF : 33990530382.5/38

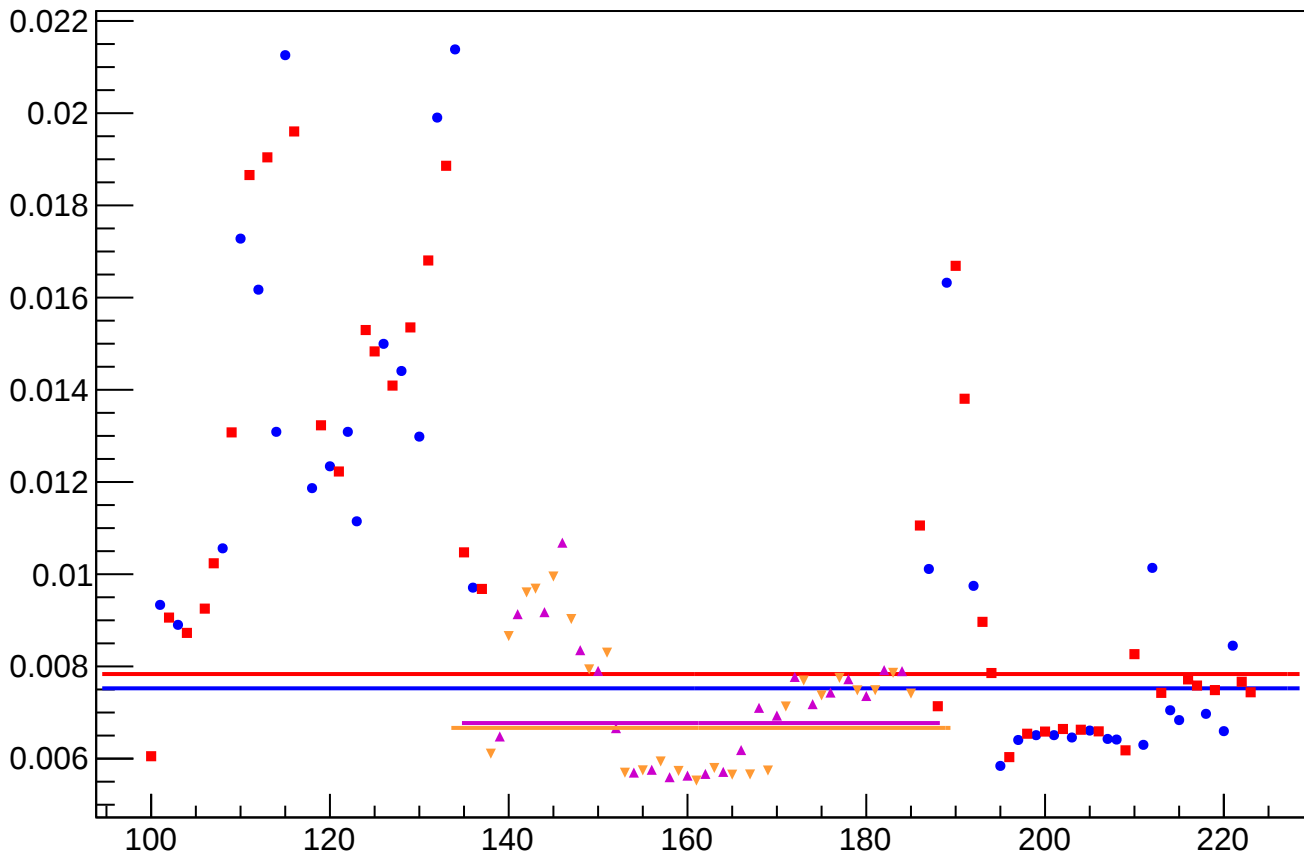
Left In: -0.044 ± 0.000 χ^2/NDF : 15718556282.1/22

+ sign -0.196 ± 0.000 χ^2/NDF : 77156475856.0/59

All: -0.205 ± 0.000 χ^2/NDF : 149092134408.3

- sign -0.214 ± 0.000 χ^2/NDF : 71822344120.7/61

yield_bpm0r03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 3024299.1/34

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1143768.6/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3088941.5/38

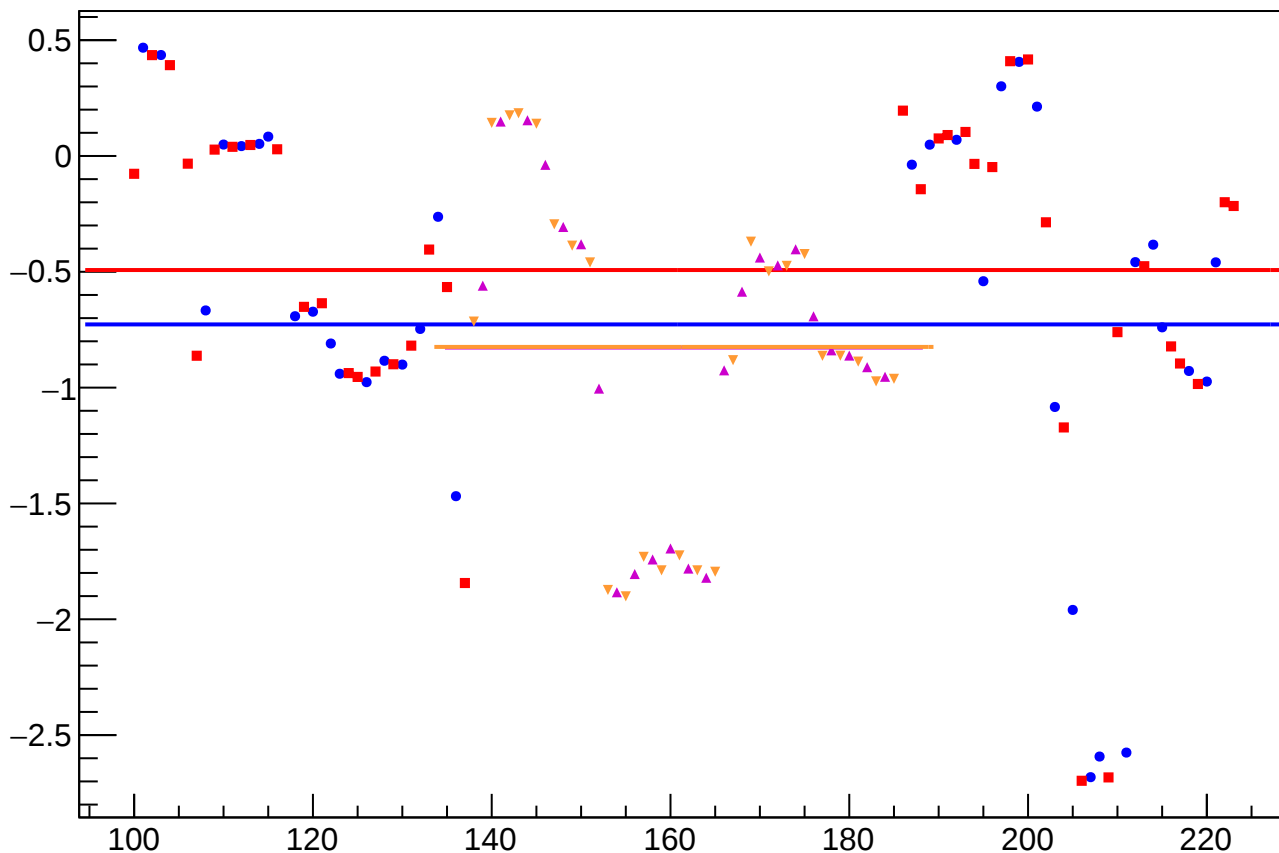
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4416957.1/59

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8819953.3/121

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4375921.8/61

yield_bpm0r05X_mean vs Slug



Right In: -0.727 ± 0.000 $\chi^2/\text{NDF}: 1783453708.2/34$

Left Out: -0.824 ± 0.000 $\chi^2/\text{NDF}: 1103610806.5/24$

Right Out: -0.492 ± 0.000 $\chi^2/\text{NDF}: 1528018900.3/38$

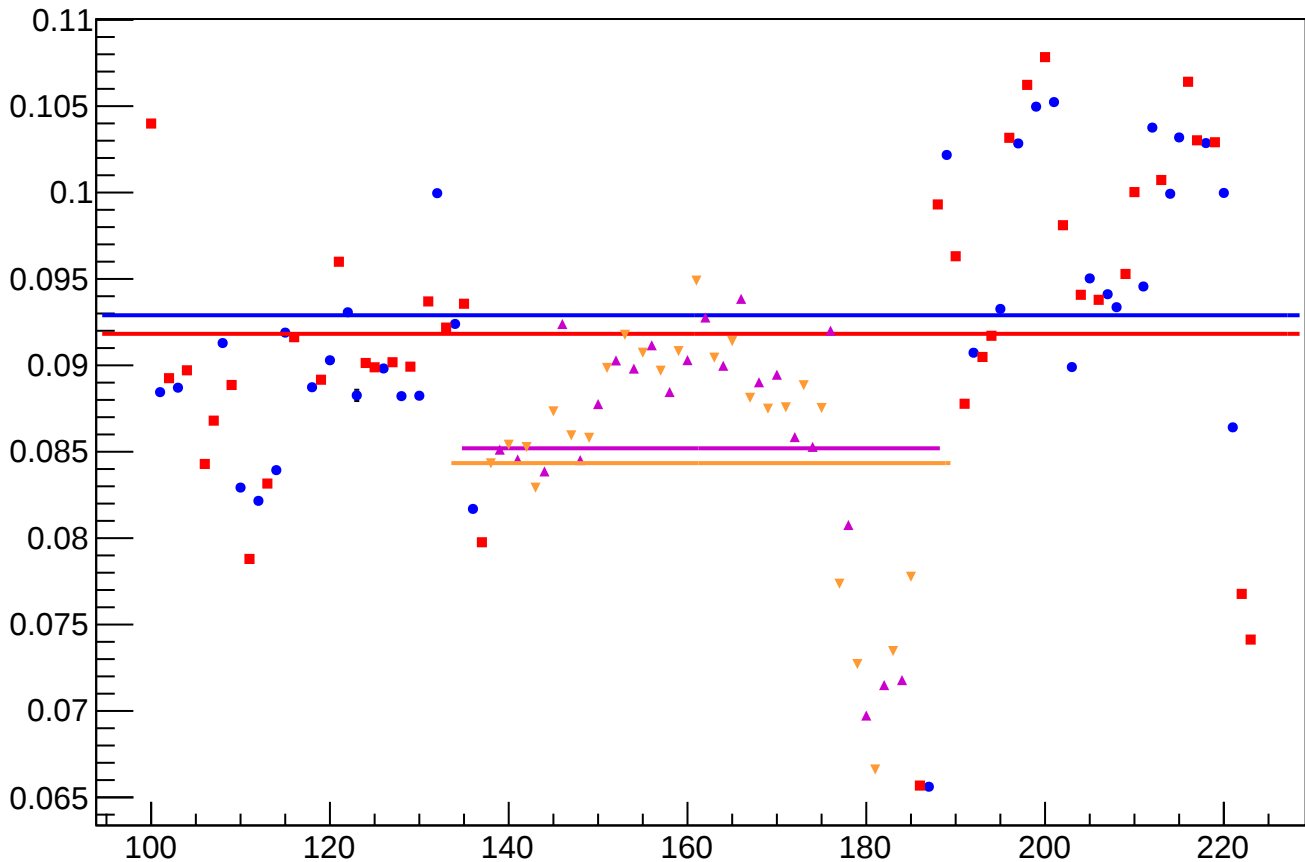
Left In: -0.827 ± 0.000 $\chi^2/\text{NDF}: 921651117.3/22$

+ sign -0.778 ± 0.000 $\chi^2/\text{NDF}: 2898442960.4/59$

All: -0.718 ± 0.000 $\chi^2/\text{NDF}: 5516954116.9/1$

- sign -0.657 ± 0.000 $\chi^2/\text{NDF}: 2583352836.8/61$

yield_bpm0r05X_rms vs Slug



Right In: 0.093 $\pm$ 0.000 χ^2 /NDF: 270966.1/34

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.092 $\pm$ 0.000 χ^2 /NDF: 466436.6/38

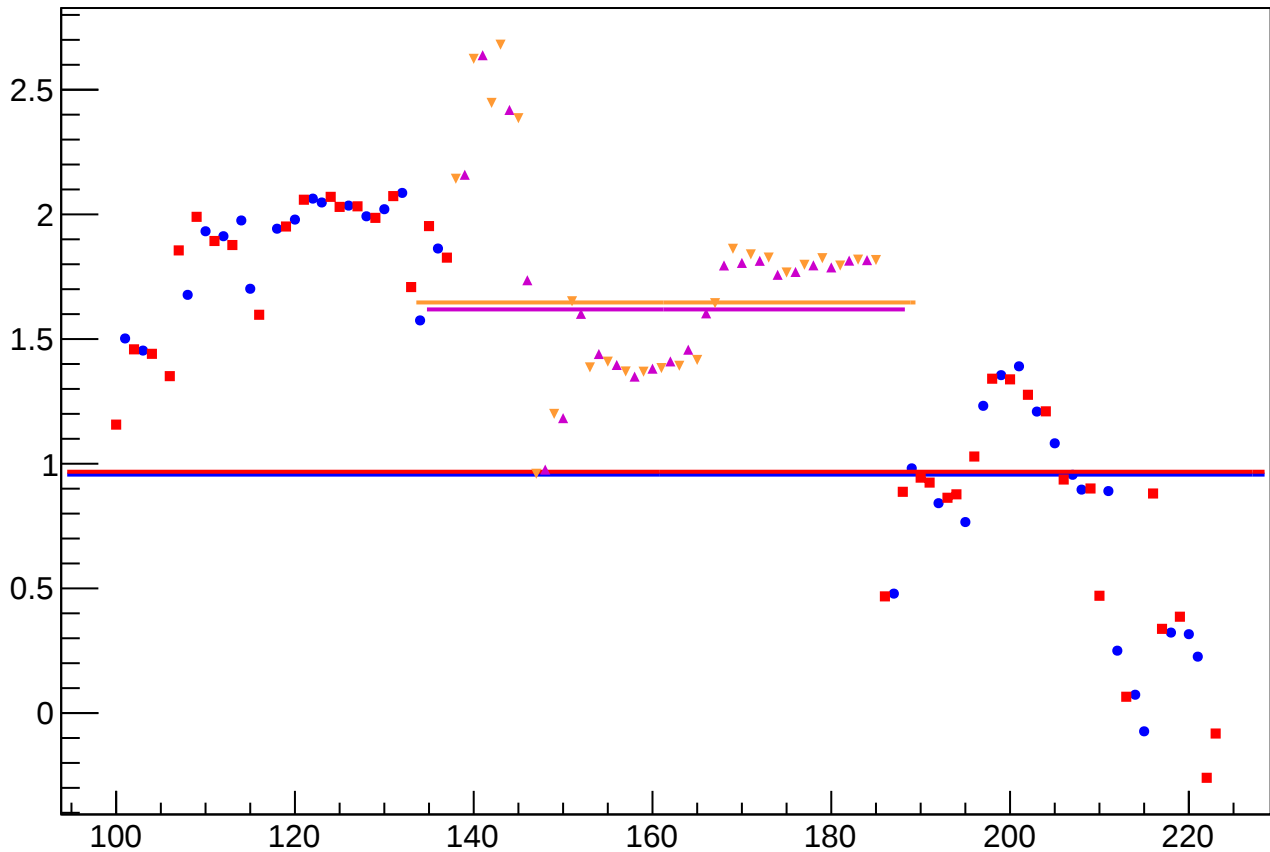
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 735886.8/59

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 1545607.0/121

- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 809578.1/61

yield_bpm0r05Y_mean vs Slug



Right In: 0.956+/-0.000 χ^2/NDF : 47965759556.7/34

Left Out: 1.647+/-0.000 χ^2/NDF : 26535241545.7/24

Right Out: 0.968+/-0.000 χ^2/NDF : 43418549232.0/38

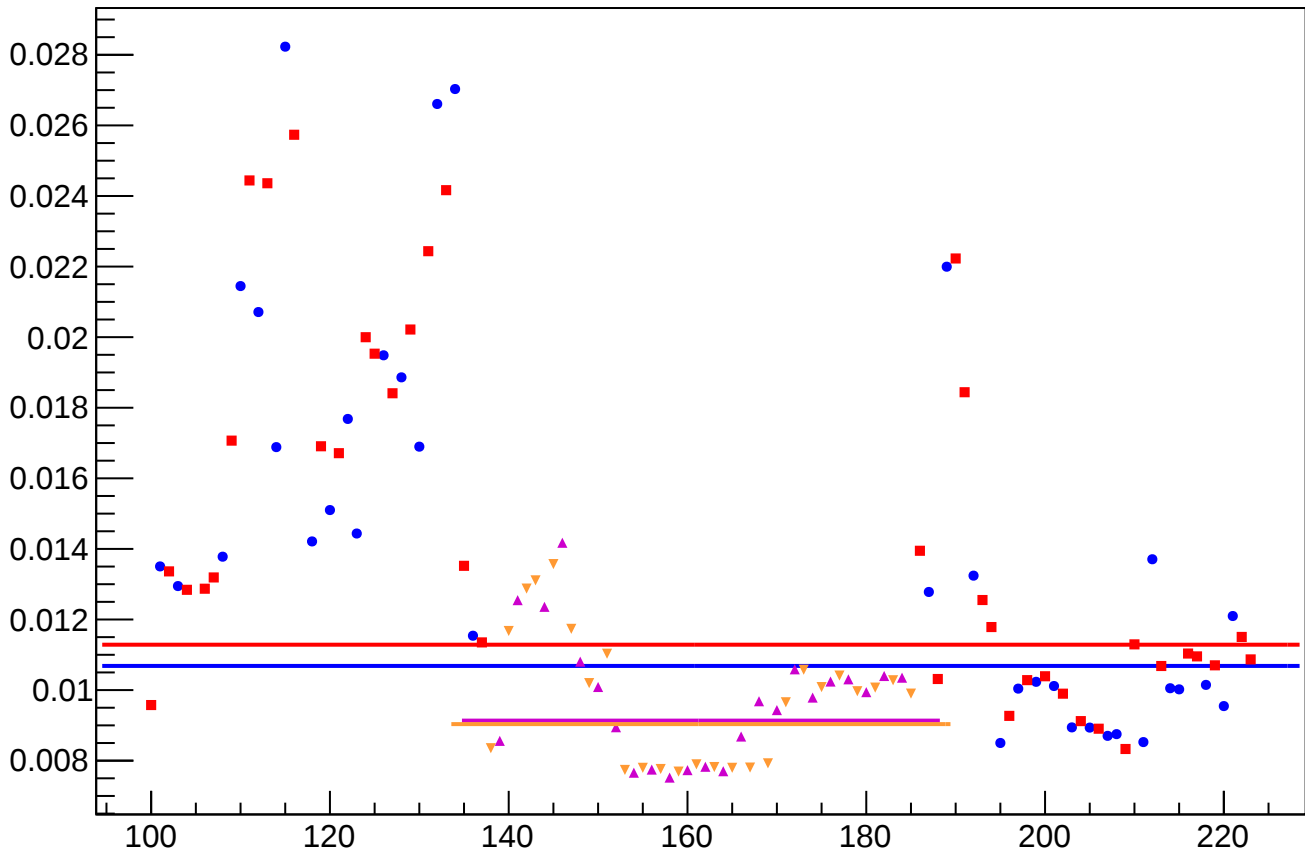
Left In: 1.619+/-0.000 χ^2/NDF : 20618198188.1/22

+ sign 1.354+/-0.000 χ^2/NDF : 116642814256.8/59

All: 1.349+/-0.000 χ^2/NDF : 214996488551.1

- sign 1.344+/-0.000 χ^2/NDF : 98336531648.3/61

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2475795.0/34

Left Out: 0.009+/-0.000 χ^2/NDF :1042871.8/24

Right Out: 0.011+/-0.000 χ^2/NDF : 2538661.7/38

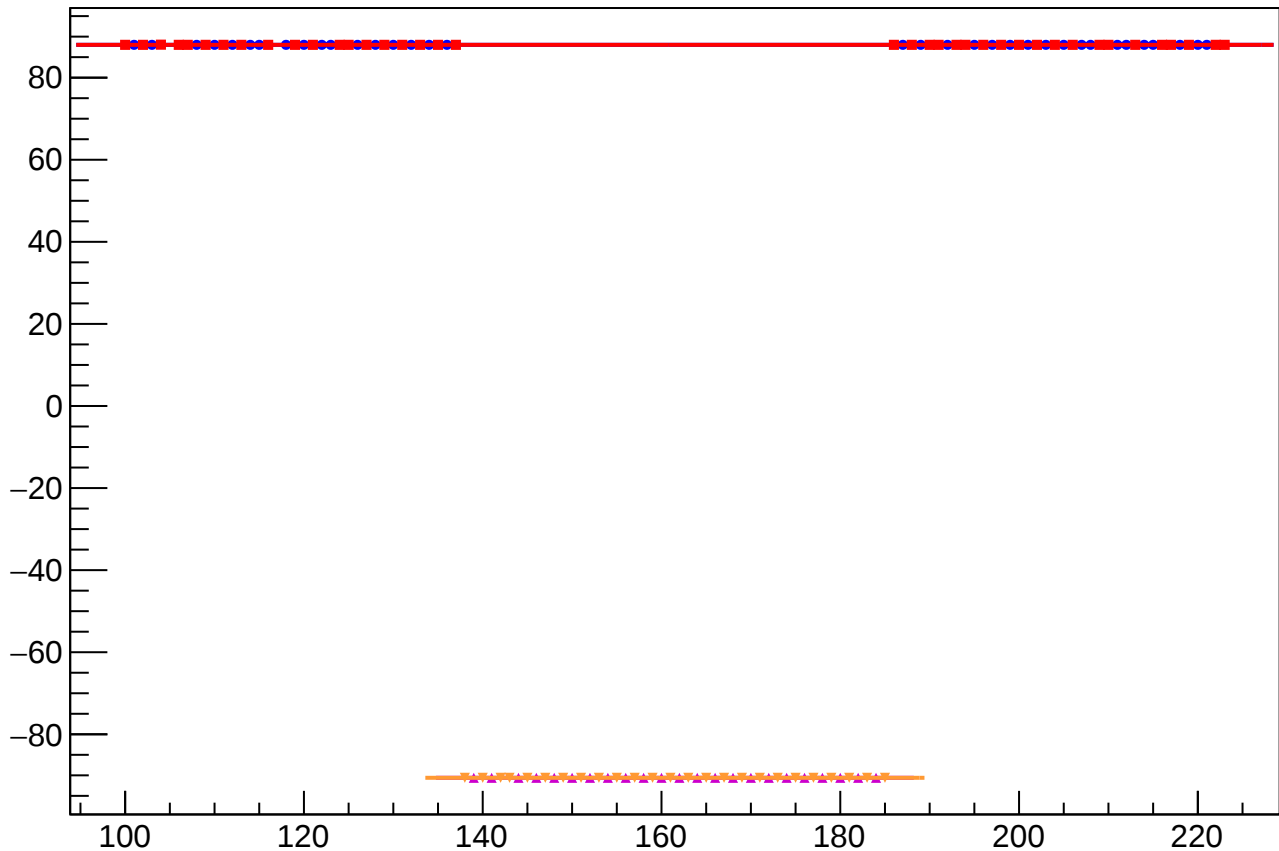
Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3999279.2/59

All: 0.010+/-0.000 χ^2/NDF : 8198440.7/121

- sign 0.010+/-0.000 χ^2/NDF : 4166237.8/61

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 3766943.4/34

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.002 $\pm$ 0.000 χ^2 /NDF: 81429719228867483640803622912.0/38

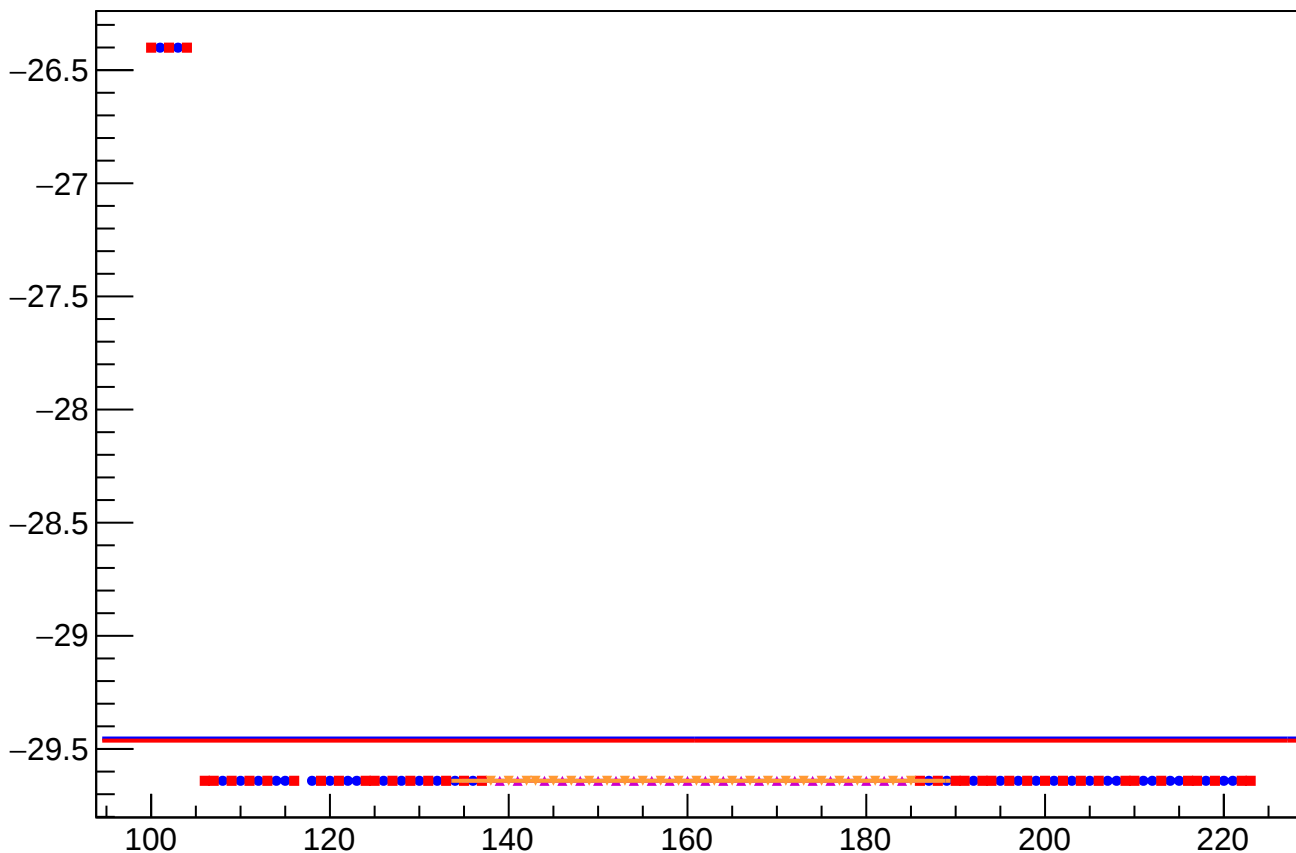
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign 1.888 $\pm$ 0.000 χ^2 /NDF: 31467083228245998

All: 3.947 $\pm$ 0.000 χ^2 /NDF: 62495293316830

- sign 6.027 $\pm$ 0.000 χ^2 /NDF: 30994525471078680

epics_HWienAngles_mean vs Slug



Right In: -29.454+/-0.000 χ^2/NDF : 1167275655131954018742255384264704.0/34

Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24

Right Out: -29.463+/-0.000 χ^2/NDF : 1150997128767105425245101990346752.0/38

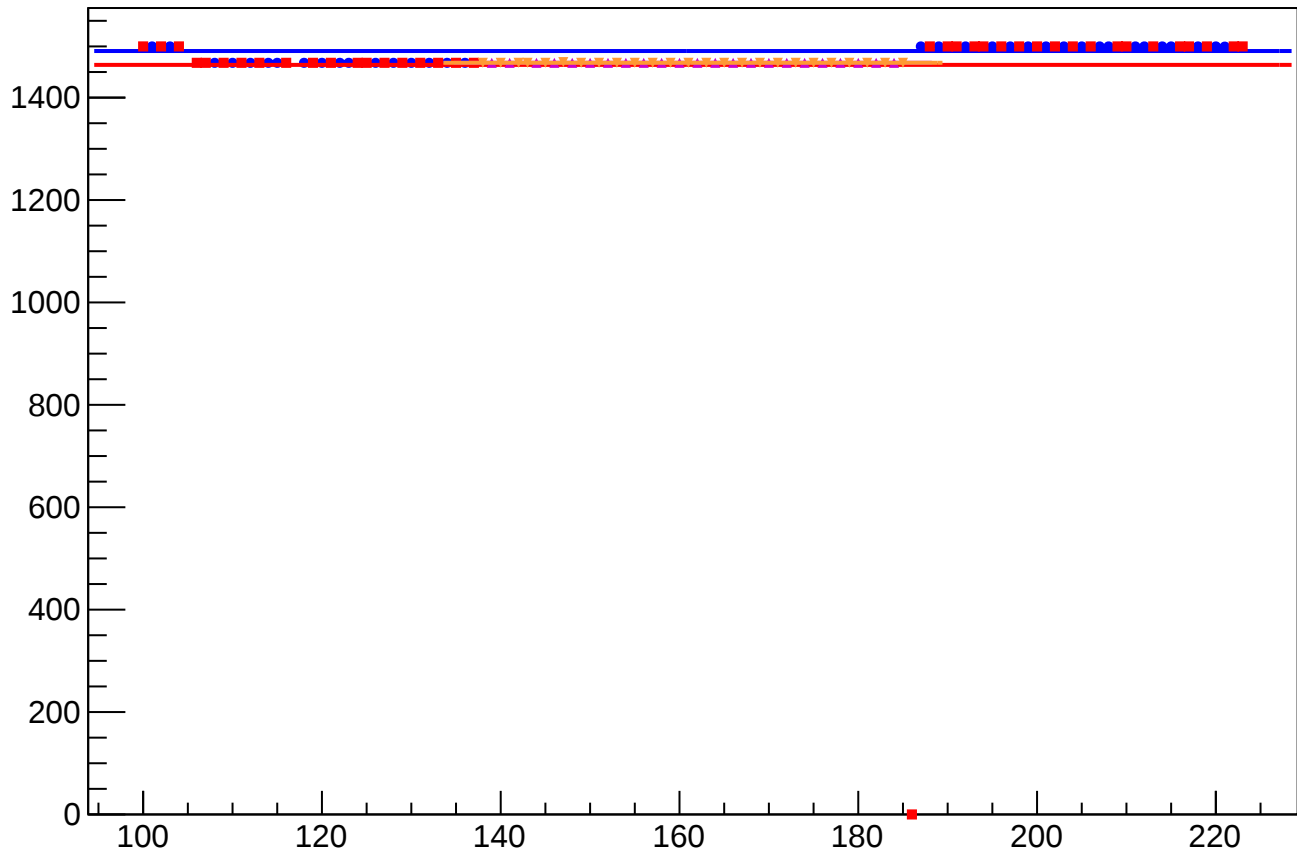
Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22

+ sign -29.544+/-0.000 χ^2/NDF : 120172146150339

All: -29.544+/-0.000 χ^2/NDF : 238334498880

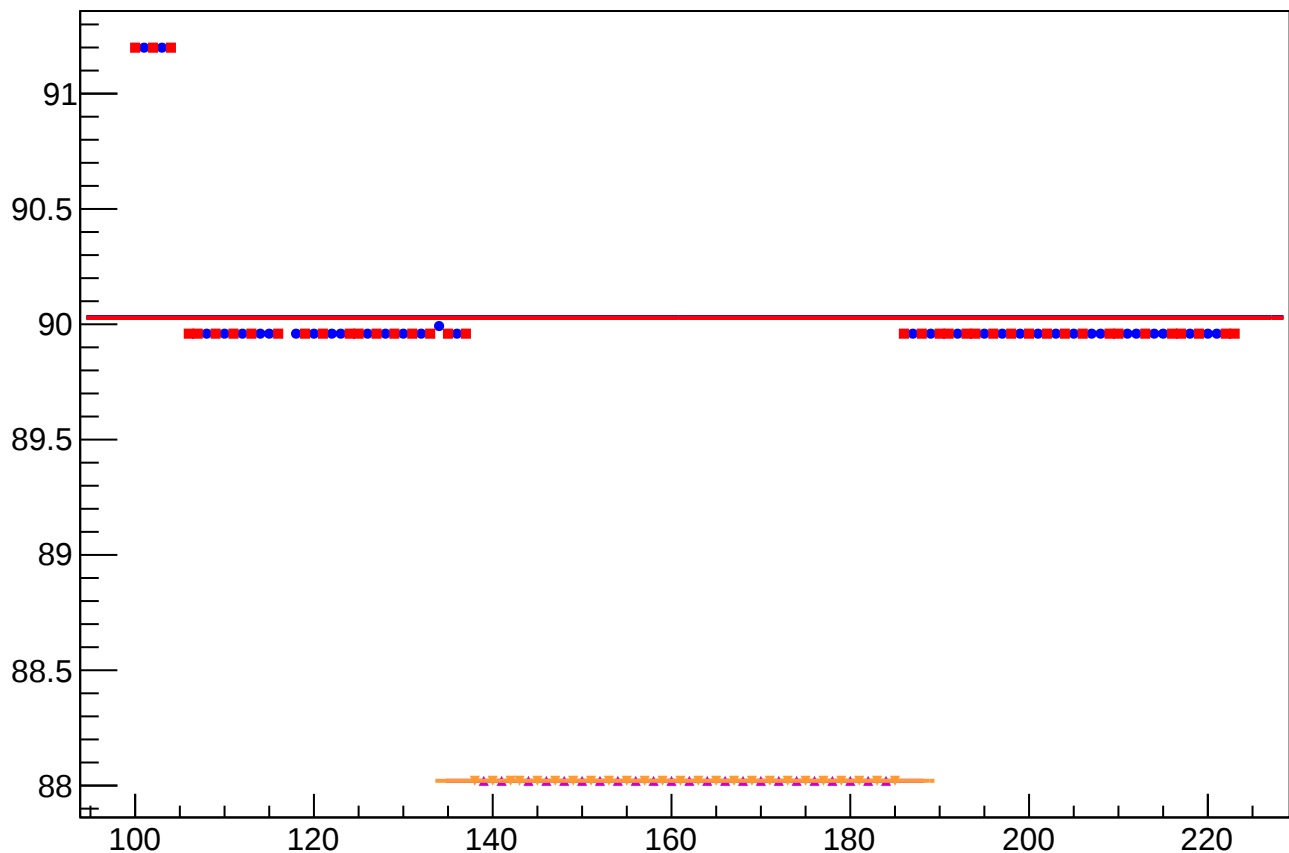
- sign -29.545+/-0.000 χ^2/NDF : 1181622518579067

epics_psub_pl_poss_mean vs Slug



Right In: 1491.015+/-0.000 χ^2/NDF : 422358694662828420343357245824696320.0/34
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24
 Right Out: 1463.940+/-0.000 χ^2/NDF : 83365421763636980438416646284798590976.0/38
 Left In: 1467.994+/-0.000 χ^2/NDF : 144497772795444989723550941184.0/22
 All: 1472.905+/-0.000 χ^2/NDF : 84717368121
 + sign 1479.941+/-0.000 χ^2/NDF : 94285821784159
 - sign 1465.801+/-0.000 χ^2/NDF : 83381390029430

epics_Phi_FGs_mean vs Slug



Right In: 90.031+/-0.000 χ^2/NDF : 170896137285271109674787202400256.0/34

Left Out: 88.021+/-0.000 χ^2/NDF : 5679798.5/24

Right Out: 90.027+/-0.000 χ^2/NDF : 168588361643882862835514487078912.0/38

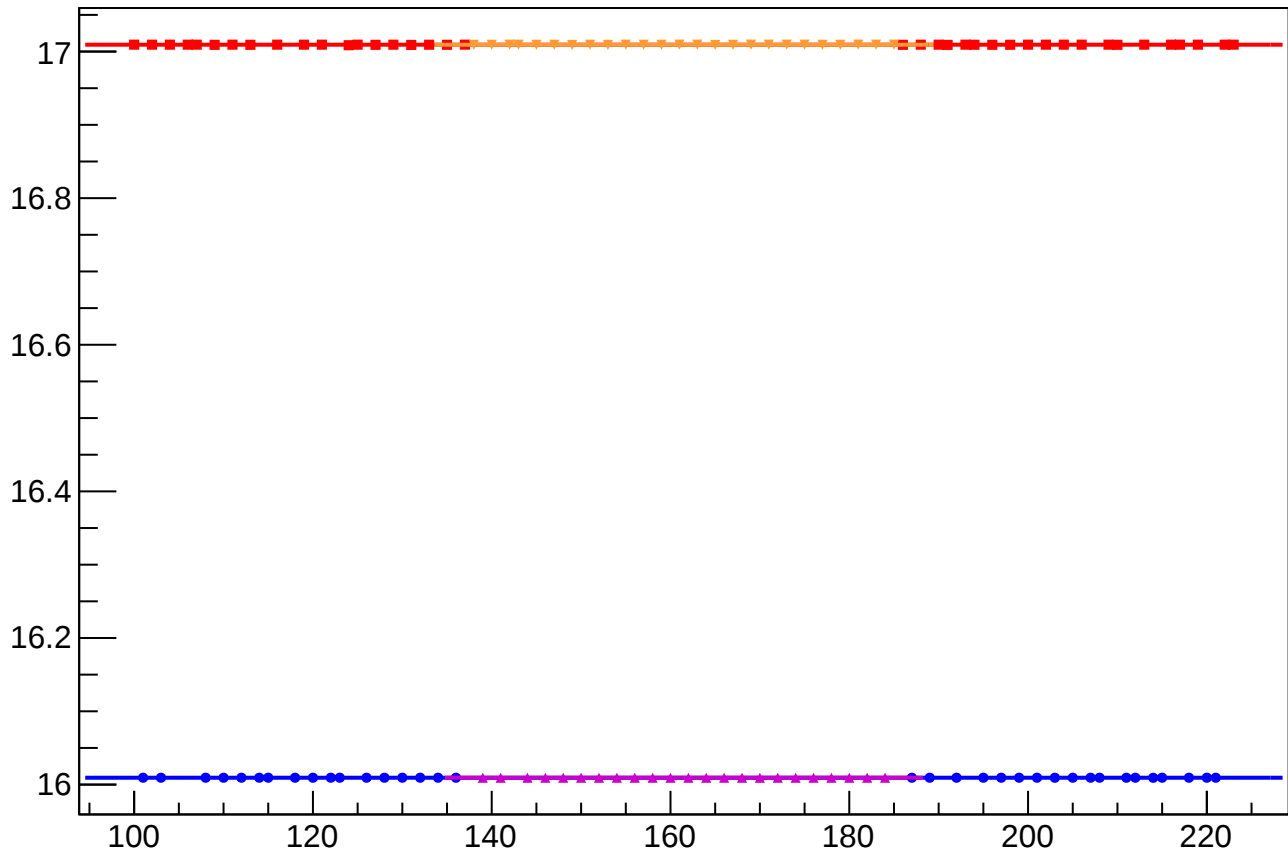
Left In: 88.021+/-0.000 χ^2/NDF : 6257169.0/22

+ sign 89.062+/-0.000 χ^2/NDF : 4158199862977960

All: 89.084+/-0.000 χ^2/NDF : 8242800101765

- sign 89.106+/-0.000 χ^2/NDF : 4080711658047615

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 853828976050134761603072.0/34

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 22072713134115139878912000.0/38

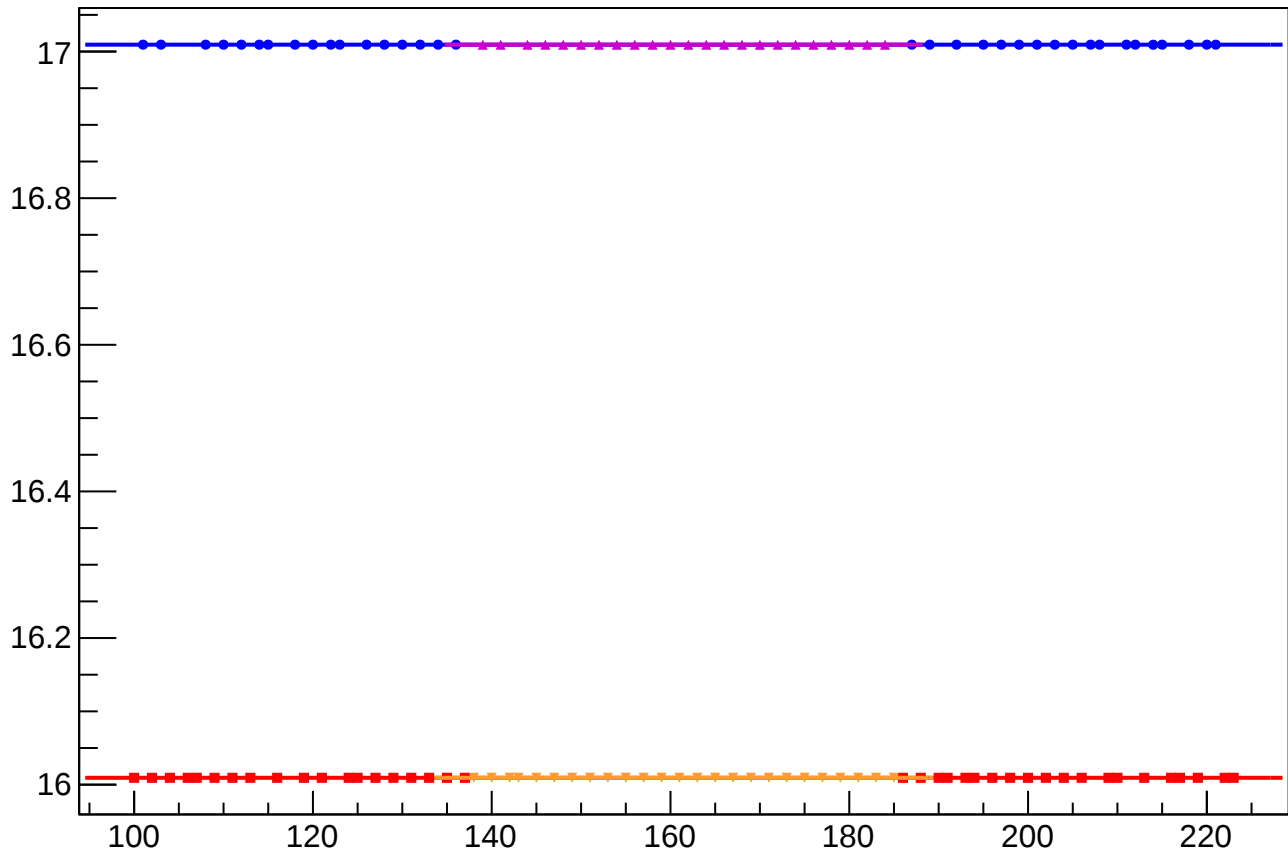
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.477 $\pm$ 0.000 χ^2 /NDF: 9418706222735481

All: 16.519 $\pm$ 0.000 χ^2 /NDF: 1874566867232

- sign 16.561 $\pm$ 0.000 χ^2 /NDF: 9195793187159804

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 853828976197346644721664.0/34

Left Out: 16.009+/-0.000 χ^2/NDF : 61253.5/24

Right Out: 16.009+/-0.000 χ^2/NDF : 329150.6/38

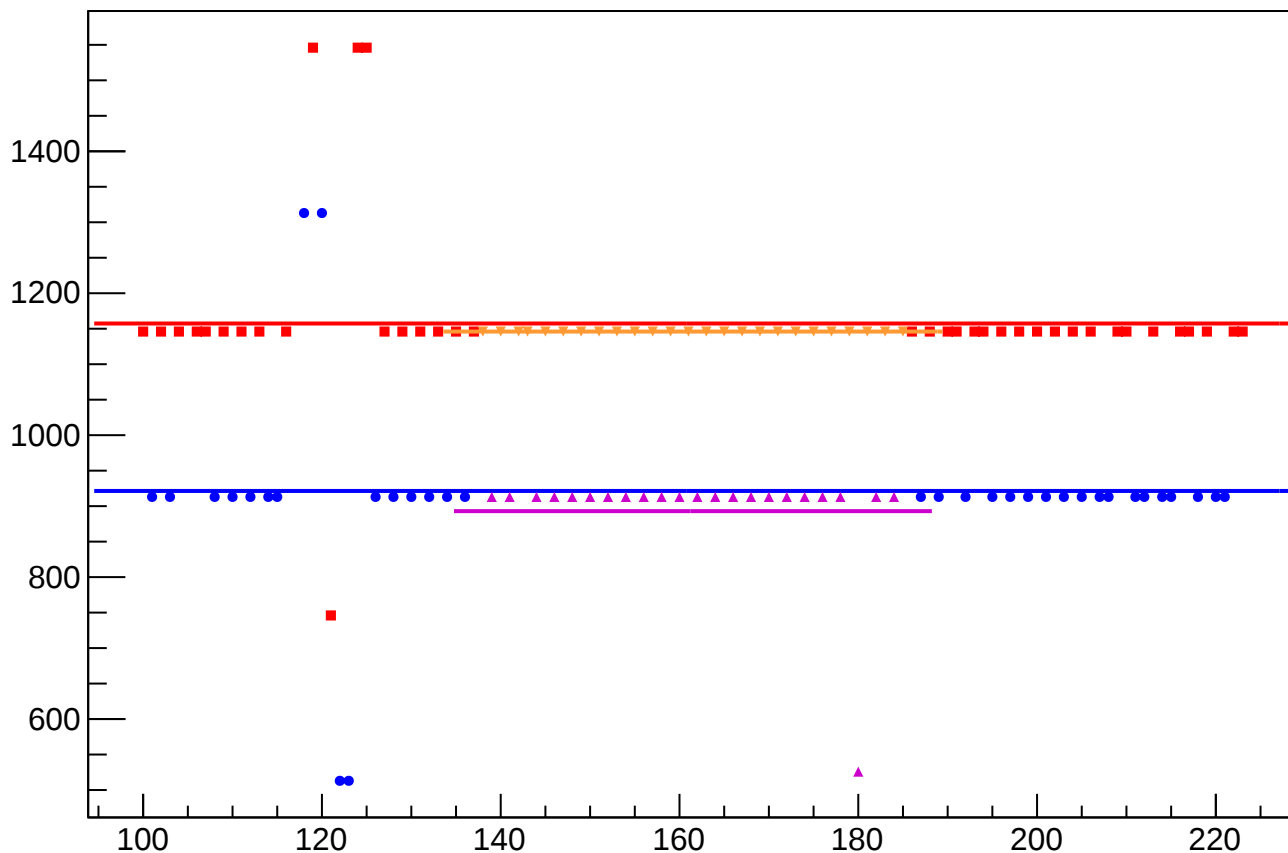
Left In: 17.009+/-0.000 χ^2/NDF : 114986101427233622065152.0/22

+ sign 16.526+/-0.000 χ^2/NDF : 9726040710044289

All: 16.495+/-0.000 χ^2/NDF : 1937339190426

- sign 16.463+/-0.000 χ^2/NDF : 9569015314570076

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 921.401+/-0.000 χ^2/NDF : 21136762272112001078271387978401054720.0/34

+ sign 1029.698+/-0.000 χ^2/NDF : 70904881924691

Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

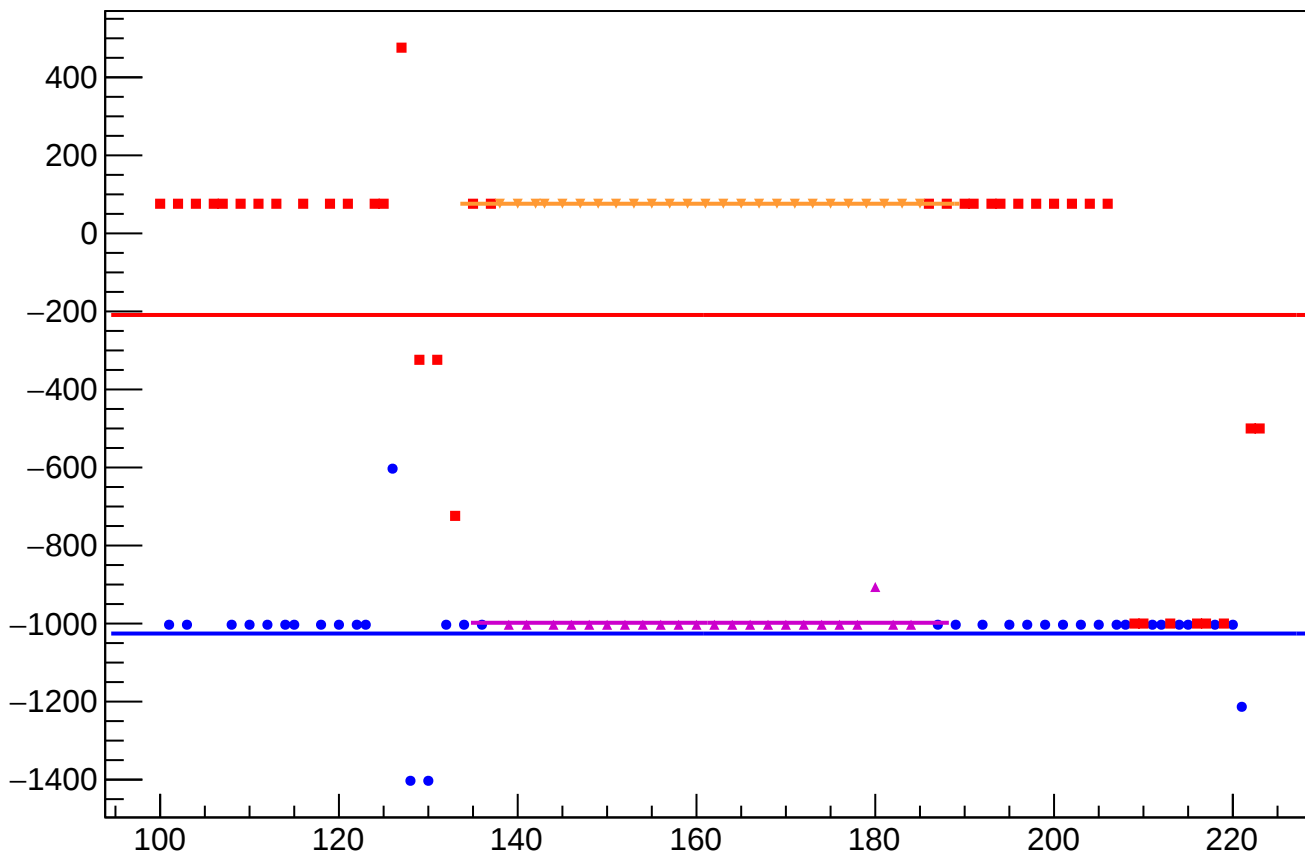
All: 1032.831+/-0.000 χ^2/NDF : 17393003156

Right Out: 1157.347+/-0.000 χ^2/NDF : 21808636088156755546091033724020850688.0/38

- sign 1035.993+/-0.000 χ^2/NDF : 10294724493771

Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

epics_RTPAPOSVCNTs_mean vs Slug



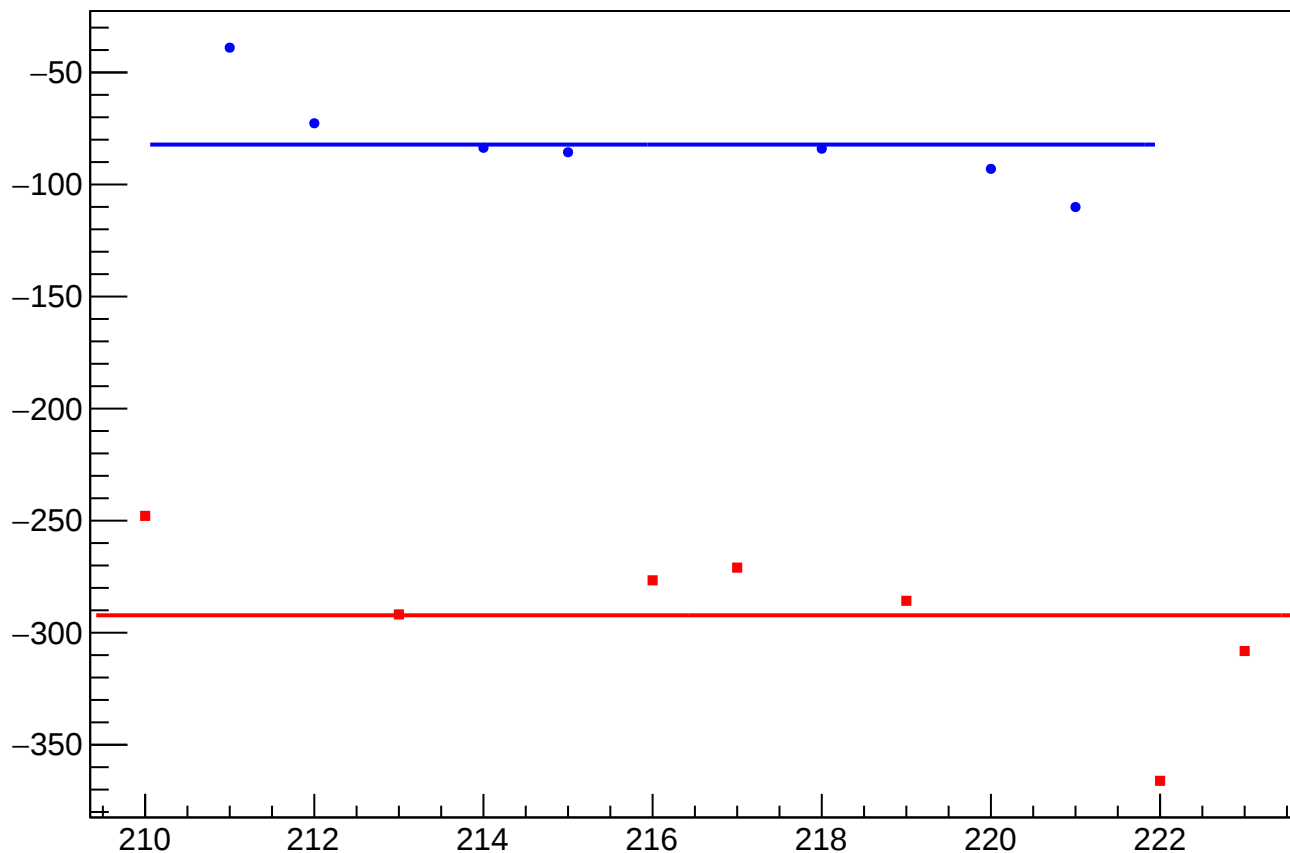
Right In: -1025.567+/-0.000 χ^2/NDF : 26405340688497875997851141232916430848.0/34

Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24

Right Out: -209.083+/-0.000 χ^2/NDF : 438756249955390668962961241010035752960.0/38

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22

epics_RTPPITA1CNTs_mean vs Slug



Right In: -82.188 $\pm$ 0.000 χ^2 /NDF: 235710829784465278673197619279298560.0/6
+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

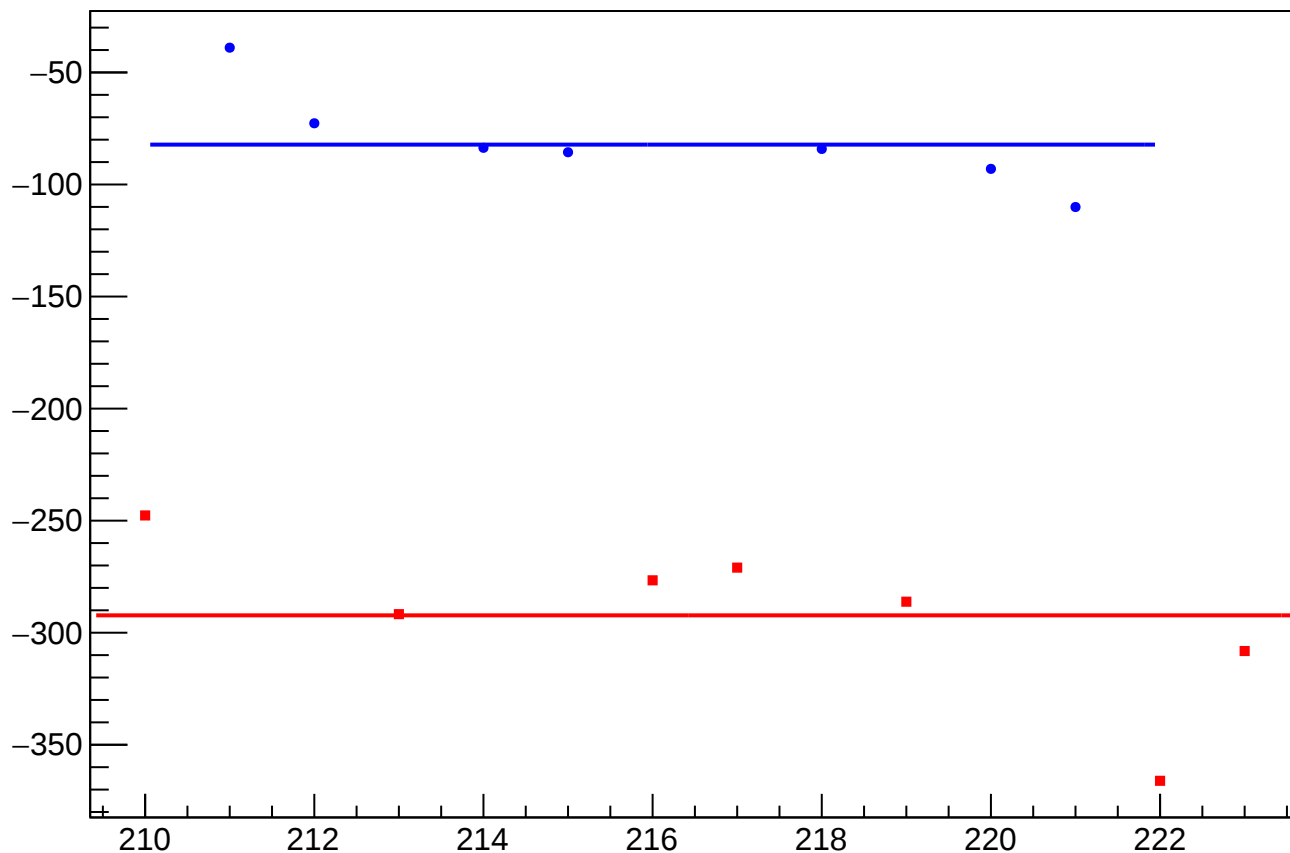
Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: -180.913 $\pm$ 0.000 χ^2 /NDF: 12434544276
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: -292.229 $\pm$ 0.000 χ^2 /NDF: 648684653942764988519316025038077952.0/6

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

epics_RTPPITA2CNTs_mean vs Slug



Right In: -82.204+/-0.000 χ^2/NDF : 235745401909722647259150319714566144.0/6

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -180.930+/-0.000 χ^2/NDF : 12435635031

Right Out: -292.247+/-0.000 χ^2/NDF : 649517585204416517639518489250103296.0/6

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0