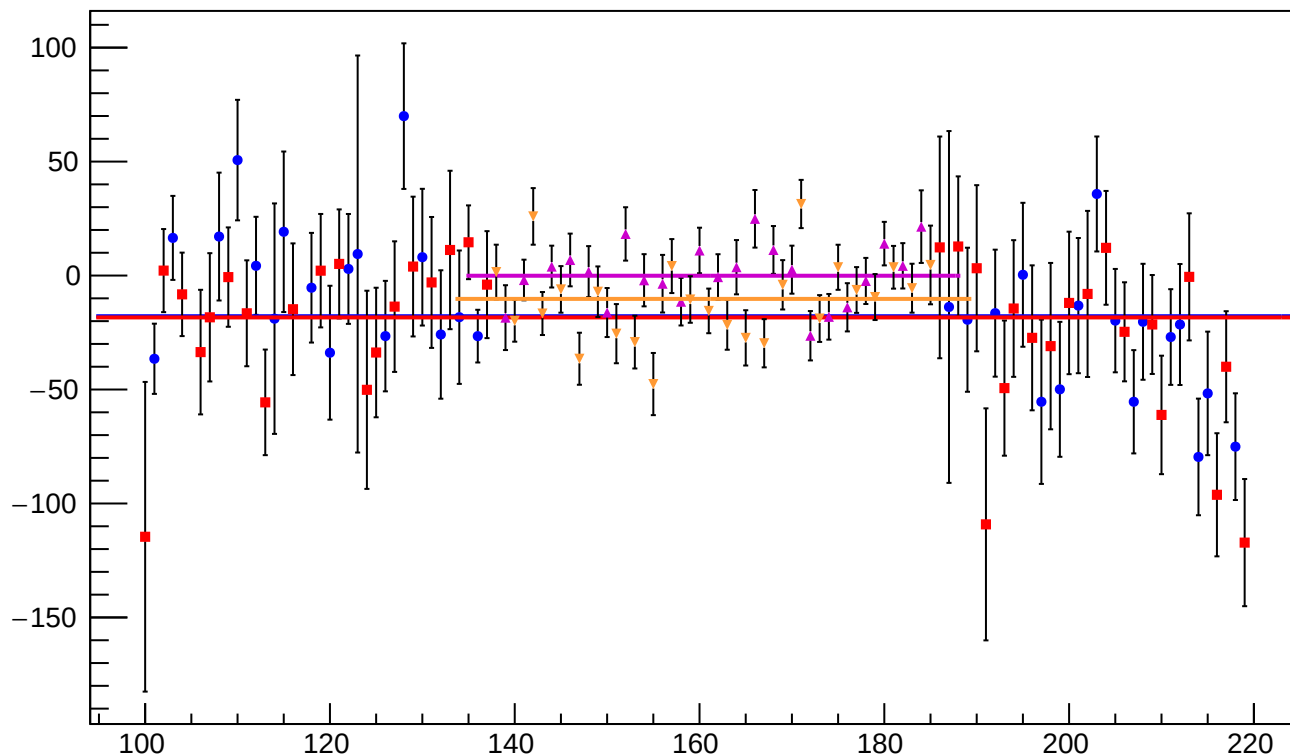


diff_bpm4aX_mean vs Slug



Right In: -17.835 ± 4.320

χ^2/NDF : 49.3/32

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -18.372 ± 4.375

χ^2/NDF : 48.5/36

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -11.769 ± 1.939

χ^2/NDF : 109.9/57

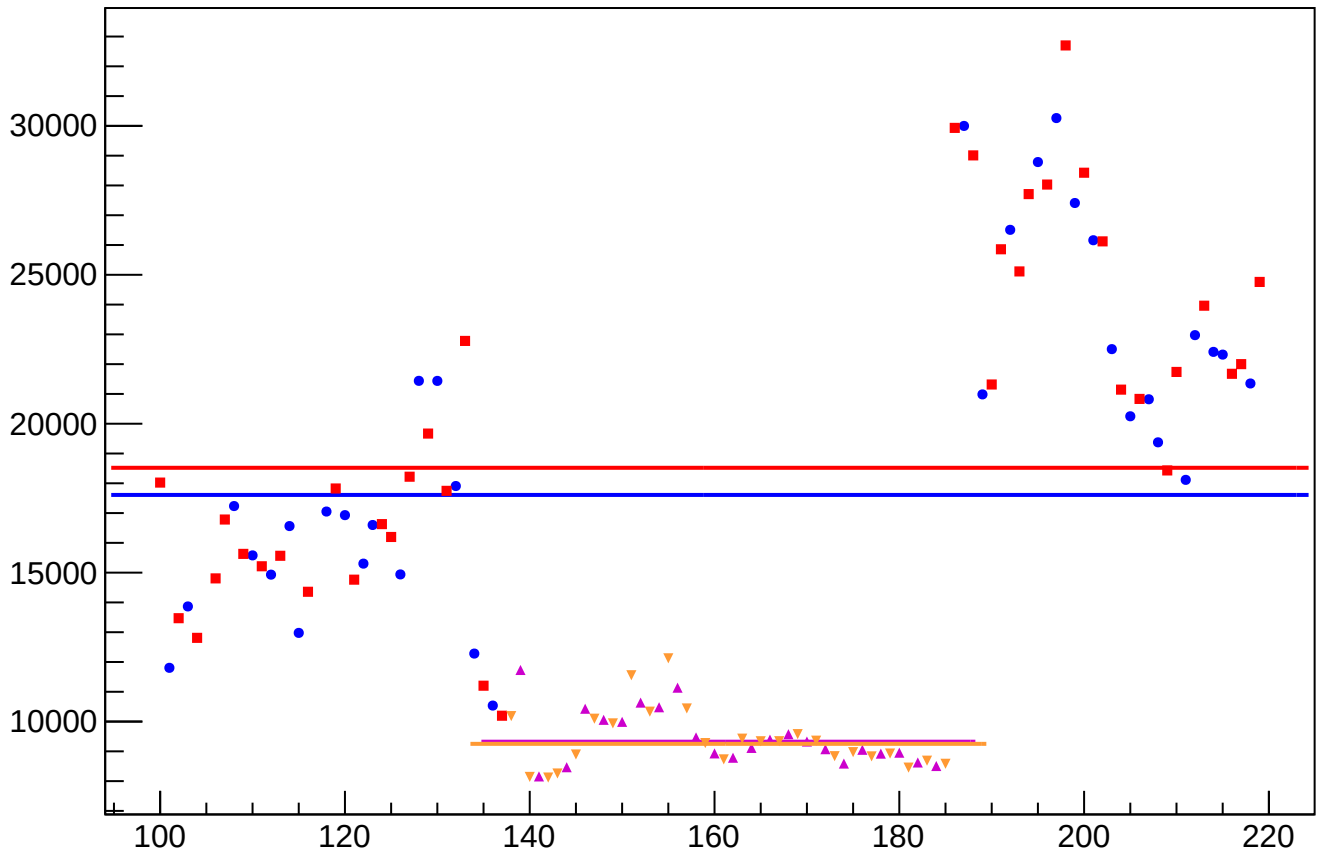
All: -7.962 ± 1.393

χ^2/NDF : 210.0/117

- sign -3.908 ± 2.001

χ^2/NDF : 92.2/59

diff_bpm4aX_rms vs Slug



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

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

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

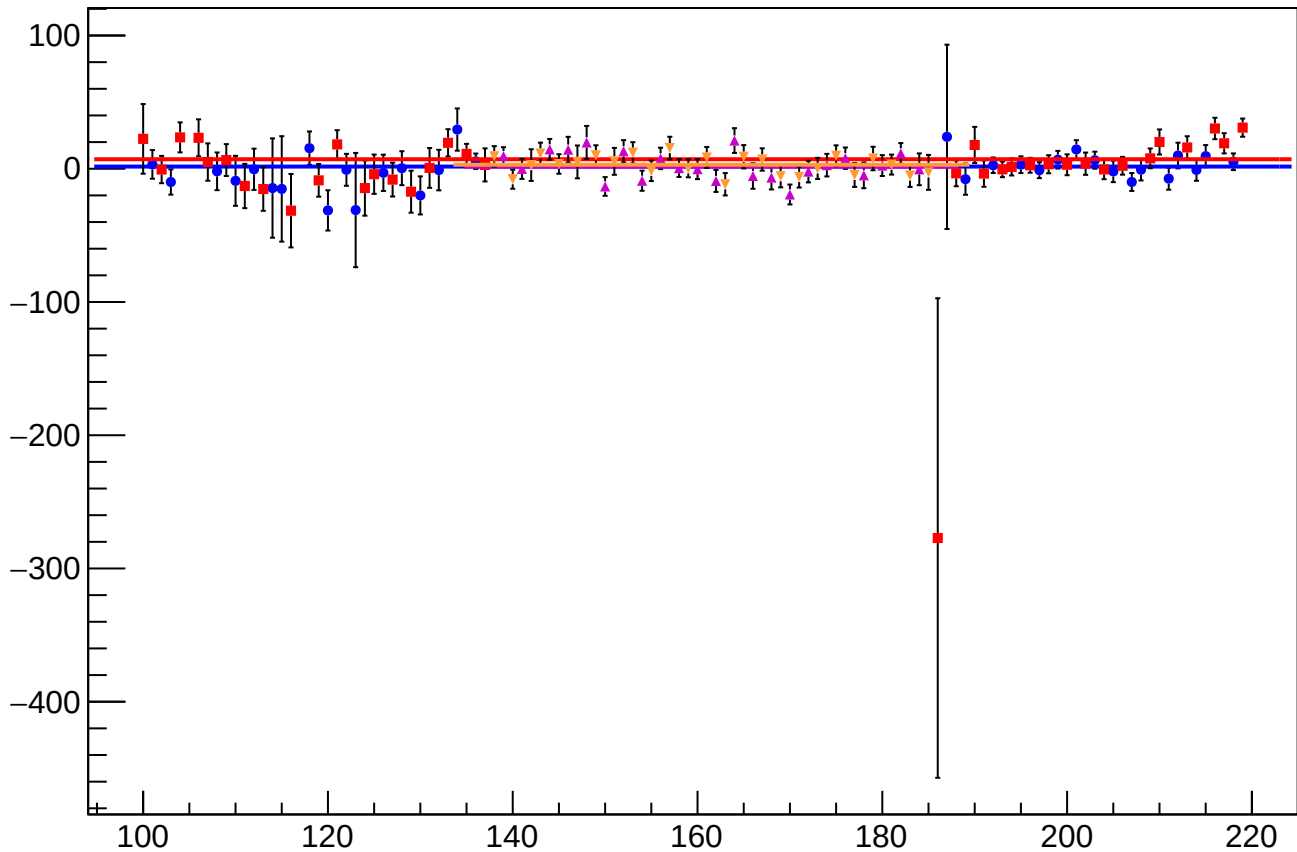
Left In: 9323.983 $\pm$ 1.591 χ^2 /NDF:275717.0/22

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

All: 11087.437 $\pm$ 0.985 χ^2 /NDF: 19621105.4

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

diff_bpm4aY_mean vs Slug



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

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

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

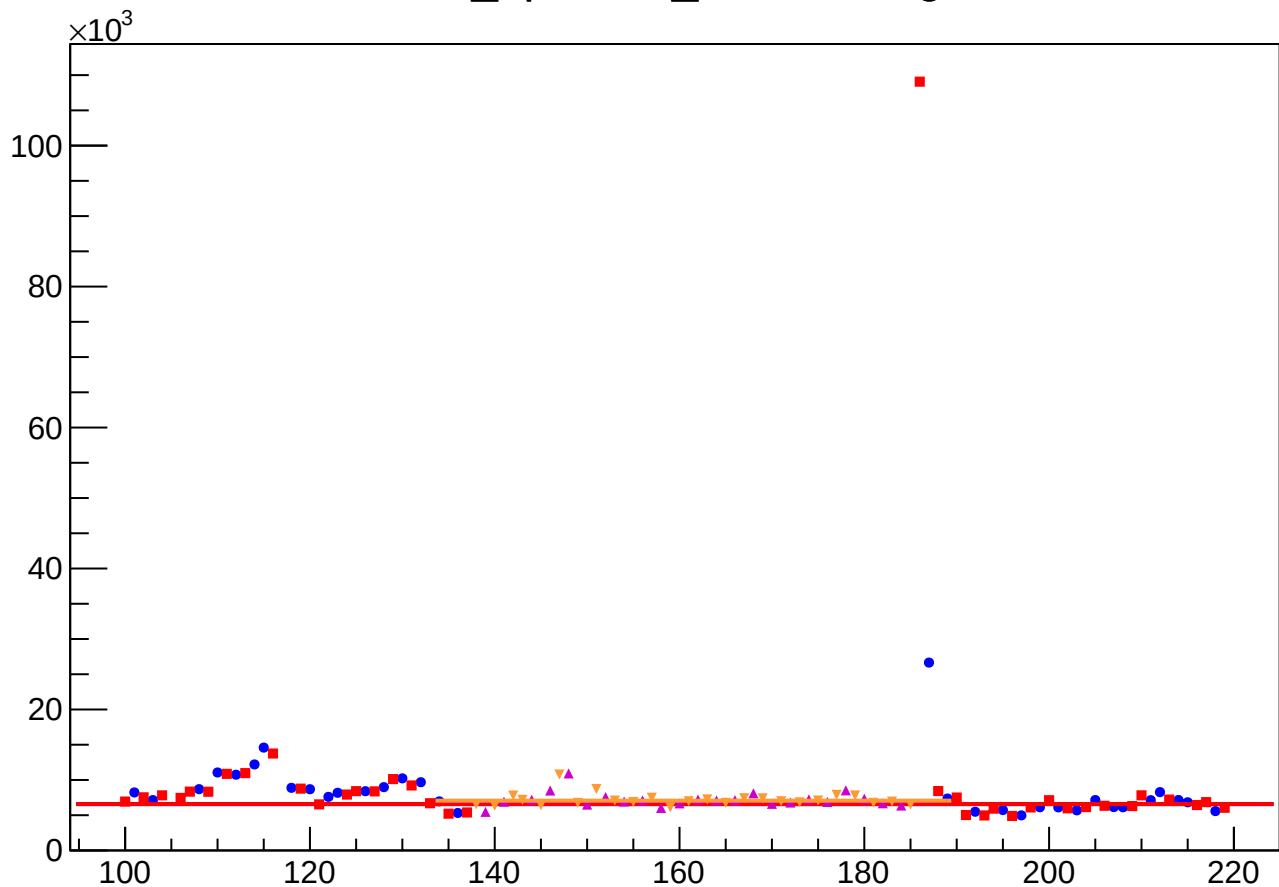
Left In: 1.588 ± 1.703 χ^2/NDF : 35.5/22

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

All: 3.468 ± 0.810 χ^2/NDF : 146.2/117

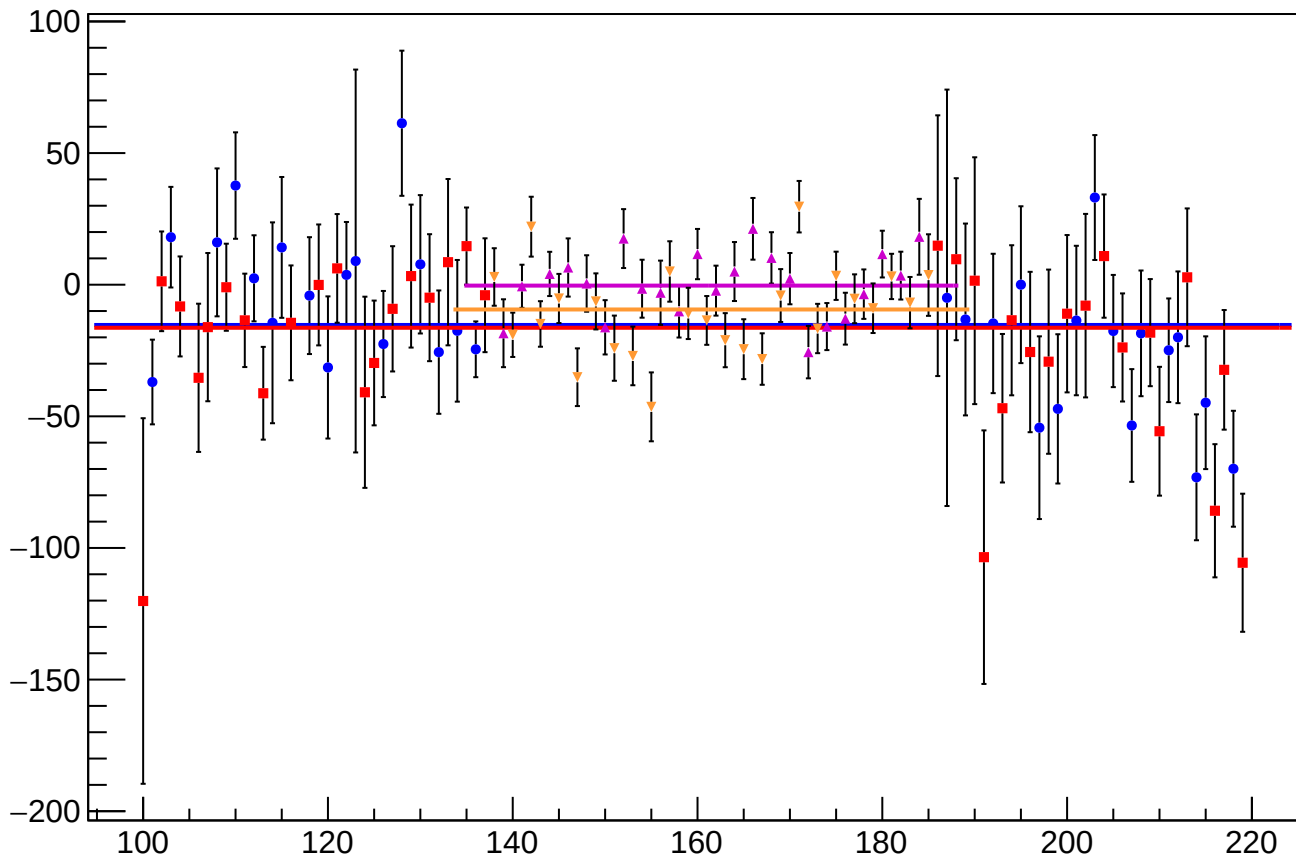
- sign 4.630 ± 1.144 χ^2/NDF : 98.2/59

diff_bpm4aY_rms vs Slug



Right In: 6575.810 $\pm$ 1.123	χ^2/NDF : 1665929.6/32	+ sign 6809.158 $\pm$ 0.811	χ^2/NDF : 2143225.0/57
Left Out: 7064.457 $\pm$ 1.174	χ^2/NDF : 386814.9/24	All: 6792.920 $\pm$ 0.573	χ^2/NDF : 4907205.6/11
Right Out: 6580.824 $\pm$ 1.093	χ^2/NDF : 2166703.9/36	- sign 6776.772 $\pm$ 0.809	χ^2/NDF : 2763181.9/59
Left In: 7014.572 $\pm$ 1.204	χ^2/NDF : 525313.7/22		

diff_bpm4eX_mean vs Slug



Right In: -15.295 ± 3.959 χ^2/NDF : 50.4/32

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

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

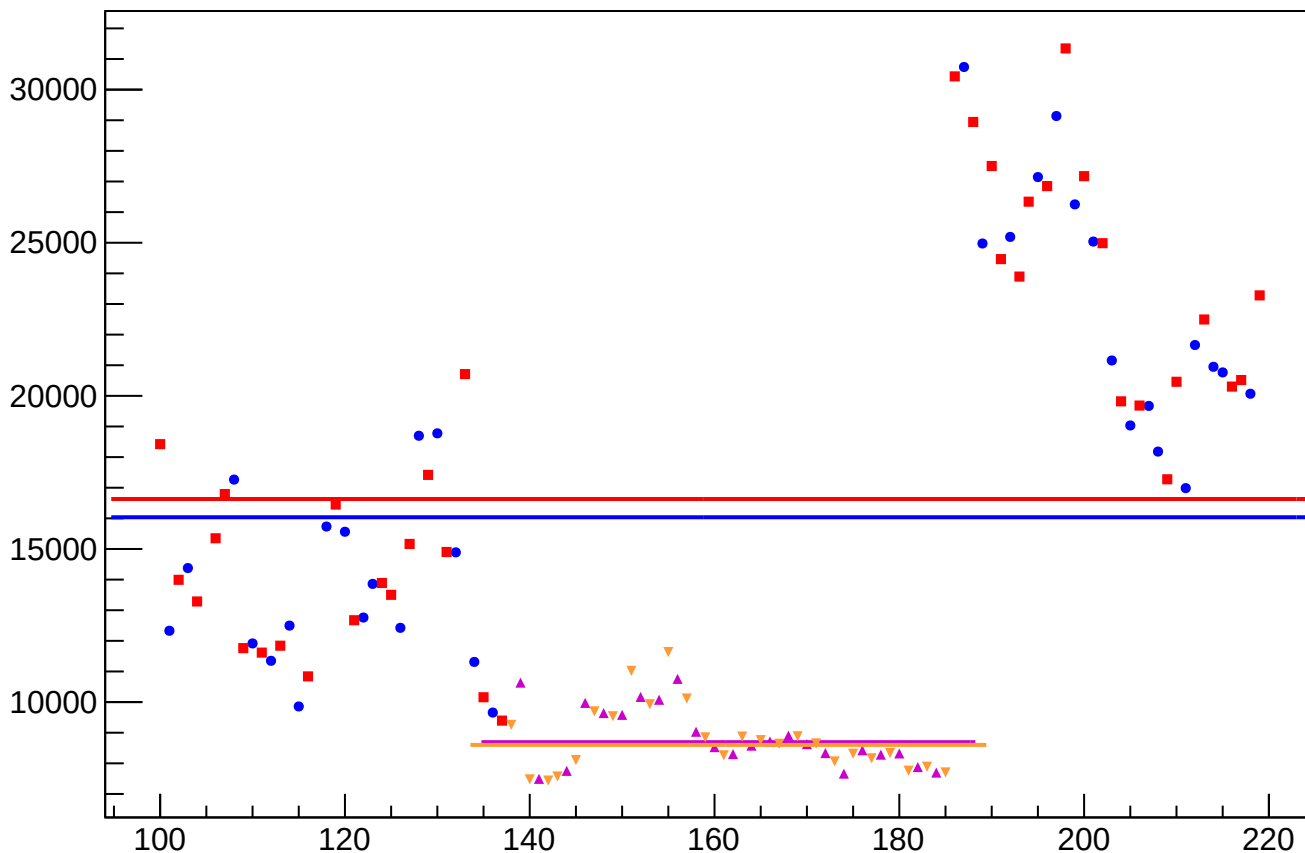
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -10.628 ± 1.800 χ^2/NDF : 110.9/57

All: -7.339 ± 1.293 χ^2/NDF : 206.1/117

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

diff_bpm4eX_rms vs Slug



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

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

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

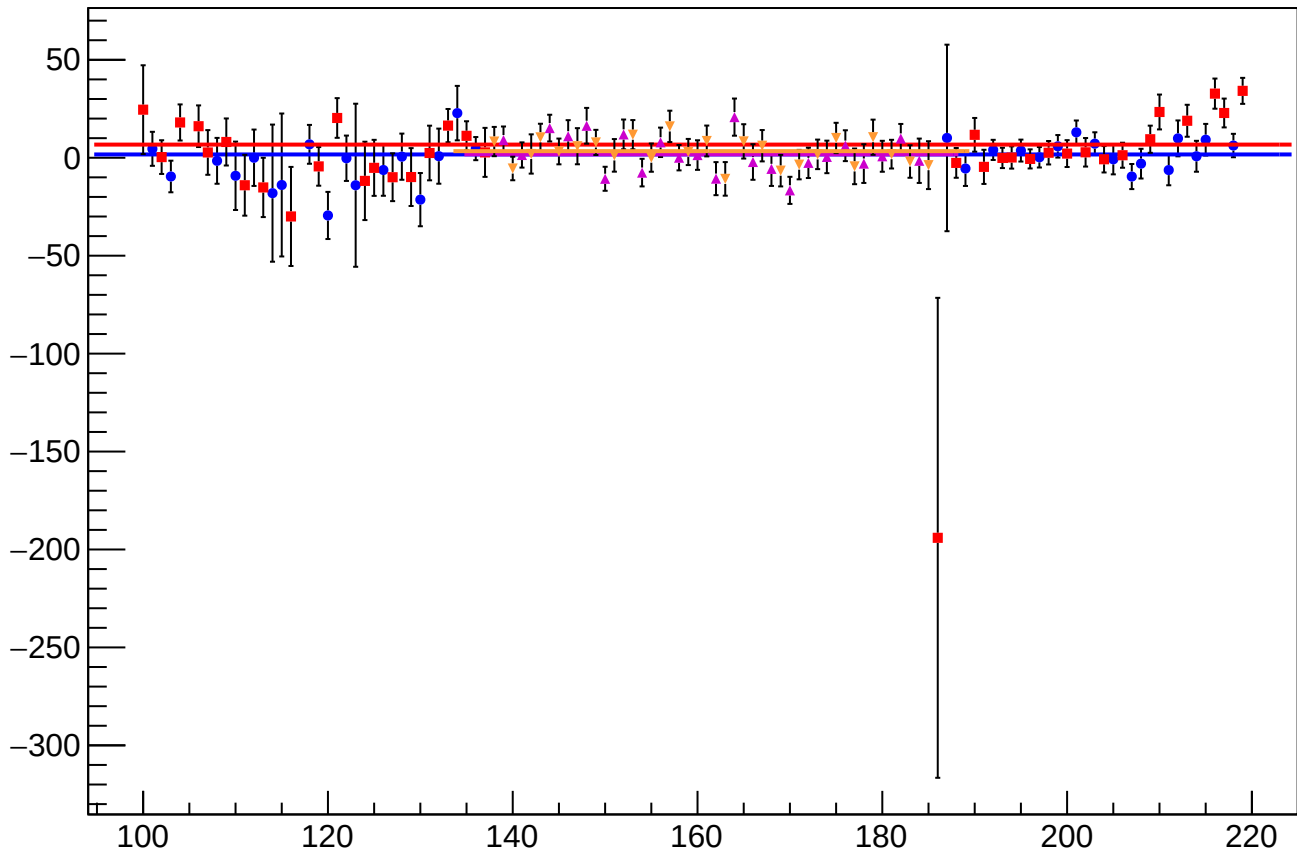
Left In: 8691.203 $\pm$ 1.485 χ^2 /NDF:365254.6/22

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

All: 10276.673 $\pm$ 0.914 χ^2 /NDF: 20011665.6

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

diff_bpm4eY_mean vs Slug



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

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

Right Out: 6.719 ± 1.389 χ^2/NDF : 73.1/36

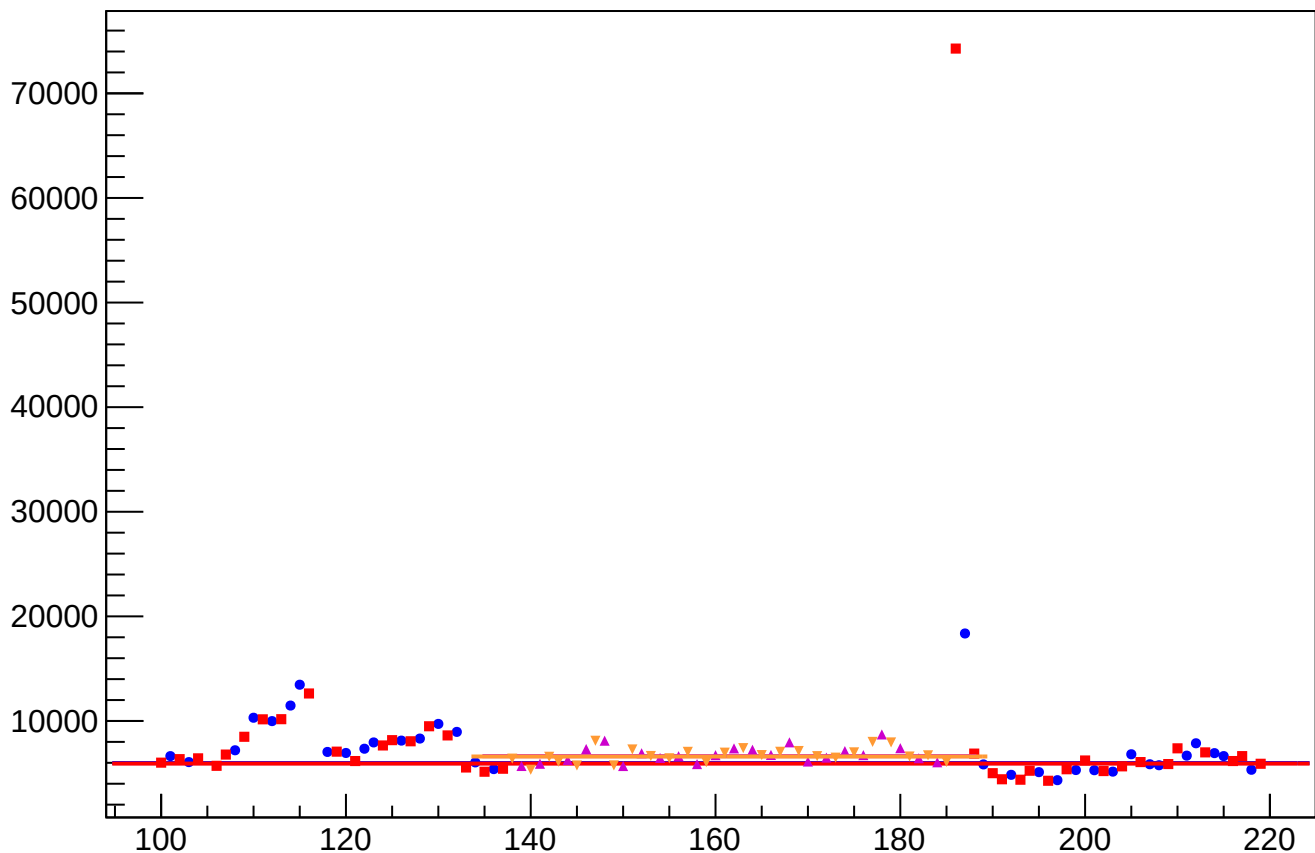
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

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

All: 3.538 ± 0.745 χ^2/NDF : 160.9/117

- sign 4.597 ± 1.051 χ^2/NDF : 112.1/59

diff_bpm4eY_rms vs Slug



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

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

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

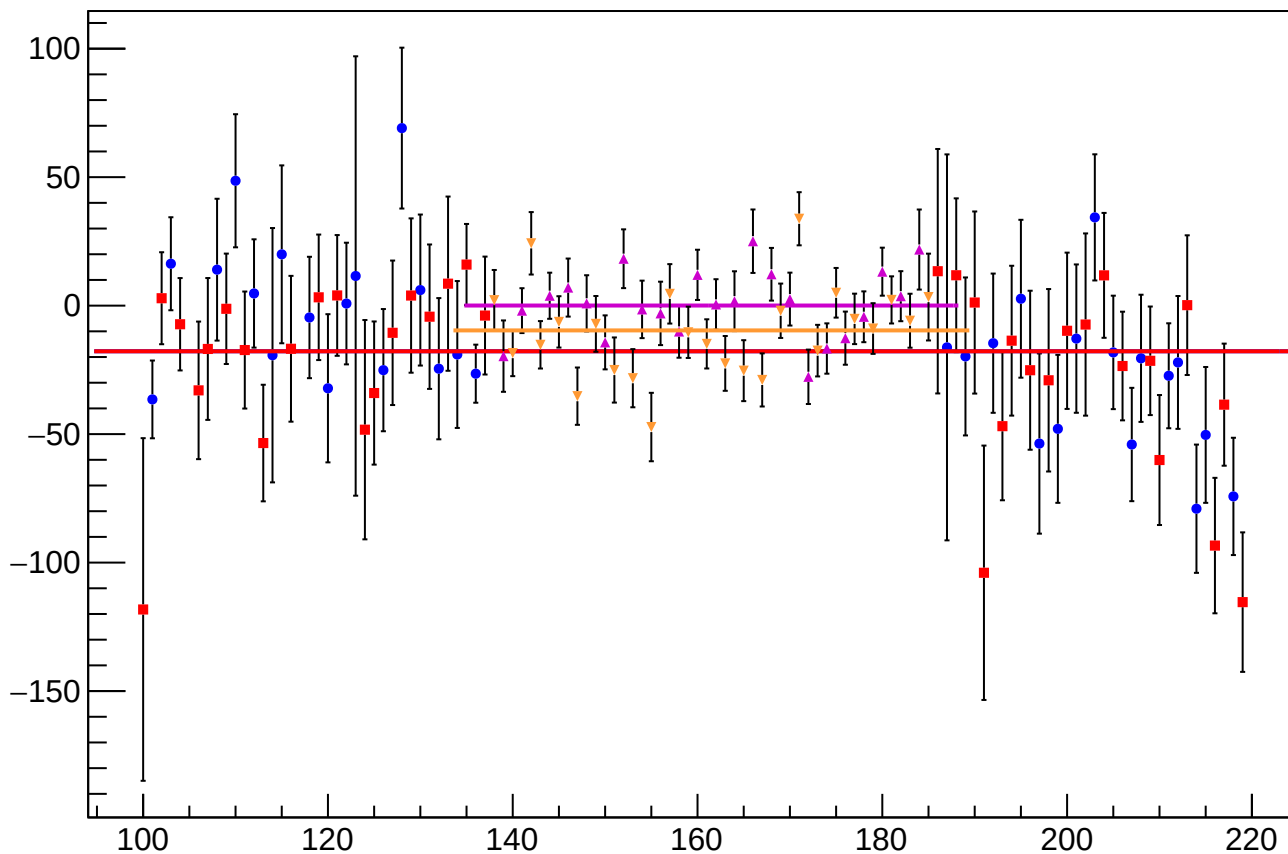
Left In: 6637.155+/-1.136 χ^2/NDF : 415547.5/22

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

All: 6248.320+/-0.527 χ^2/NDF : 5135739.3/11

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

diff_bpm4acX_mean vs Slug



Right In: -17.755 ± 4.222 χ^2/NDF : 49.5/32

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

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

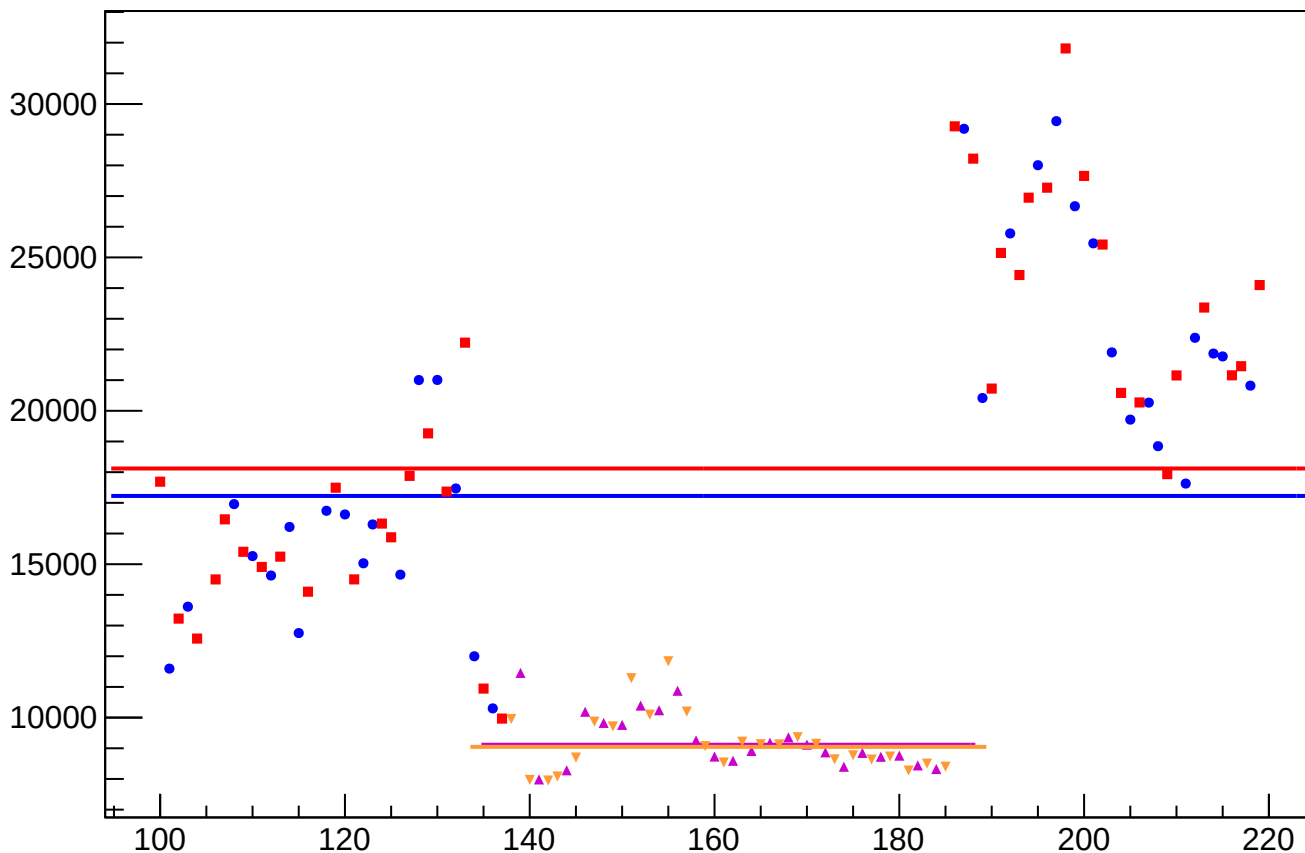
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -11.276 ± 1.896 χ^2/NDF : 112.3/57

All: -7.599 ± 1.361 χ^2/NDF : 213.5/117

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

diff_bpm4acX_rms vs Slug



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

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

Right Out: 18119.570+/-3.024 χ^2/NDF : 3019779.8/36

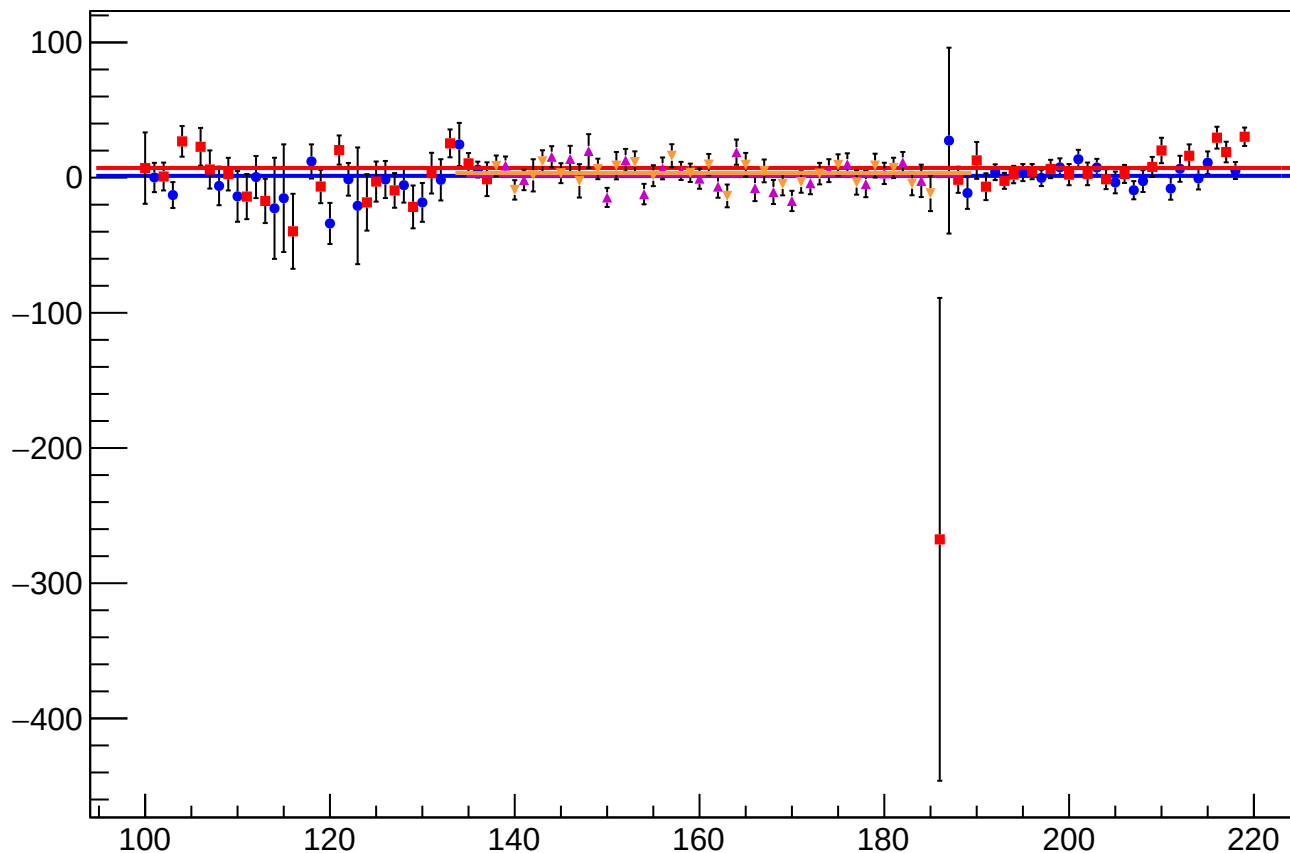
Left In: 9115.817+/-1.556 χ^2/NDF :272471.8/22

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

All: 10842.664+/-0.963 χ^2/NDF : 19544220.2

- sign 11000.156+/-1.383 χ^2/NDF : 10302141.0/59

diff_bpm4acY_mean vs Slug



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

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

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

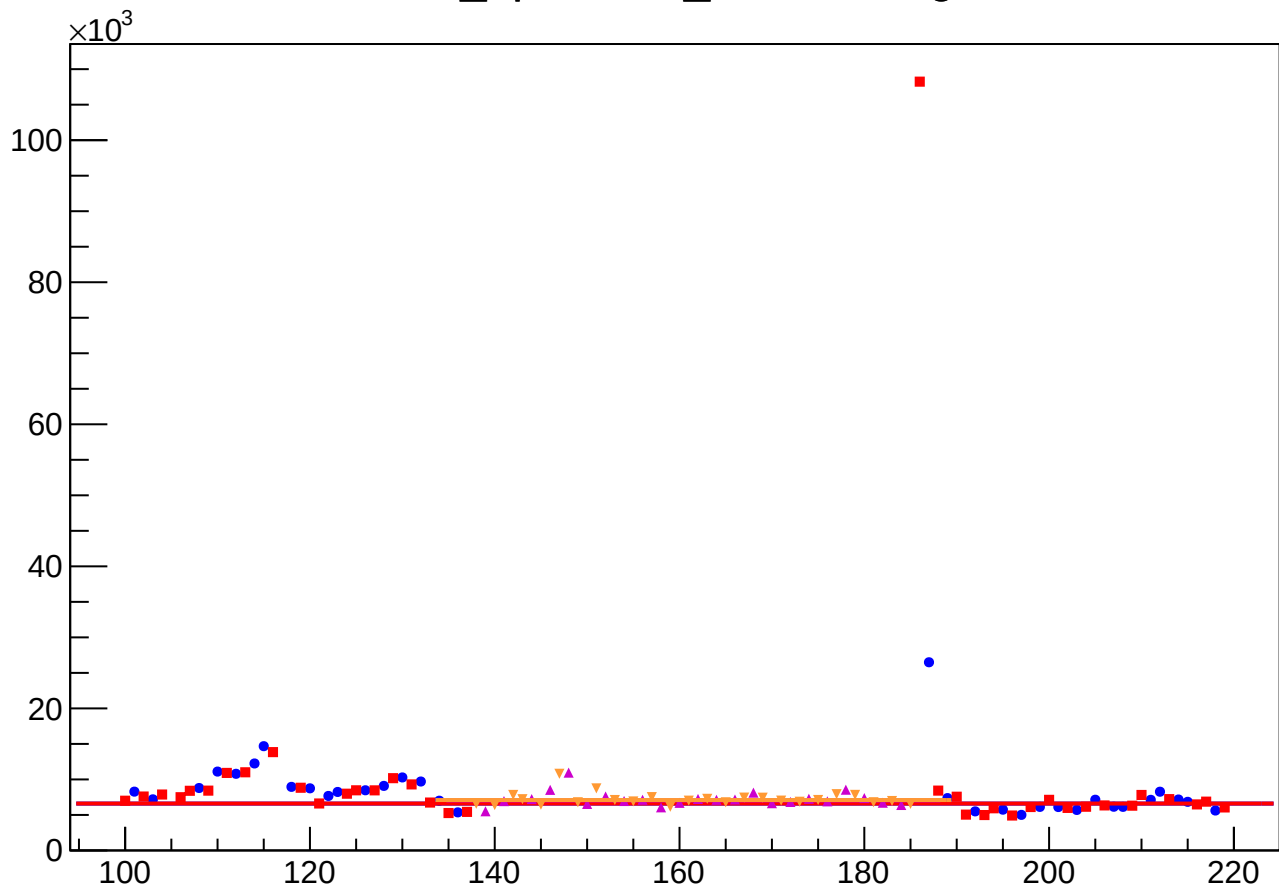
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

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

All: 3.449 ± 0.813 χ^2/NDF : 154.0/117

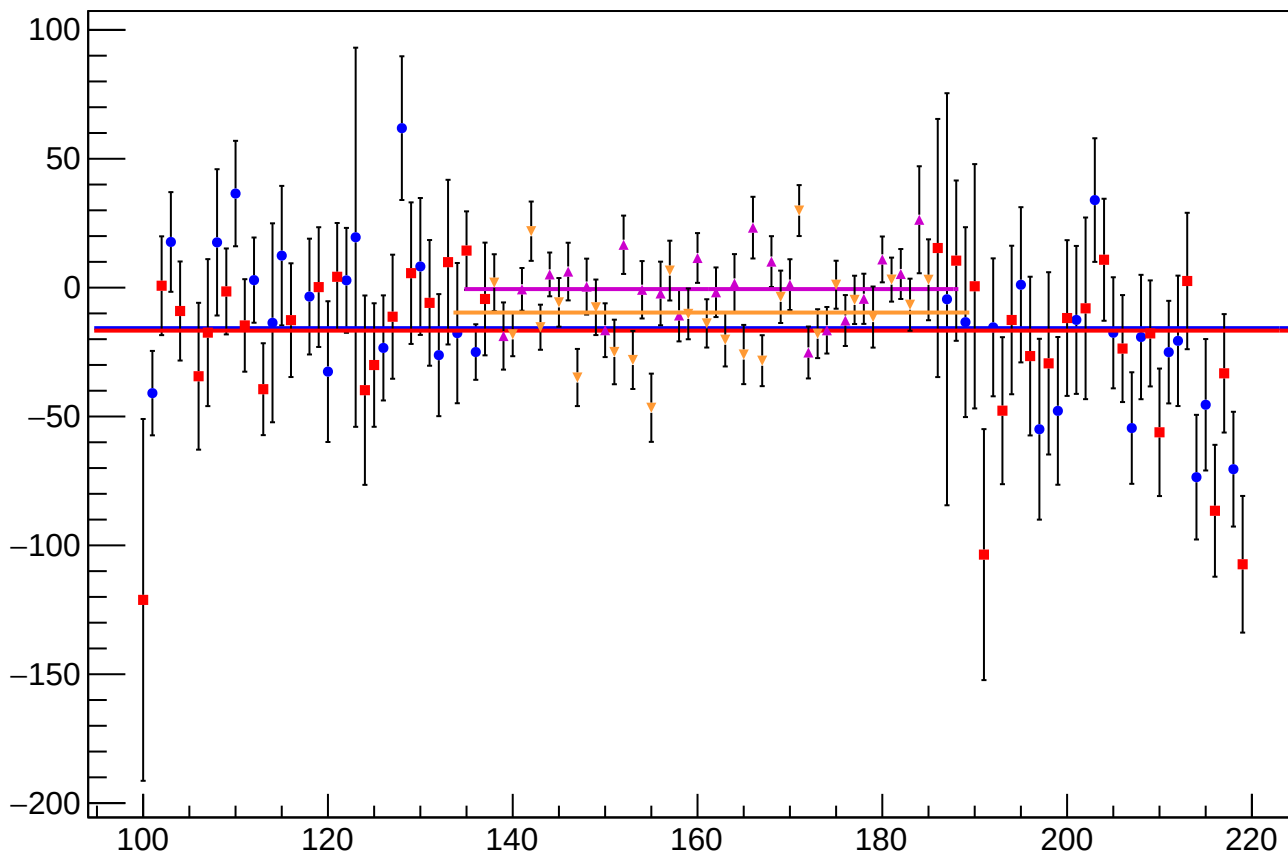
- sign 4.594 ± 1.149 χ^2/NDF : 103.6/59

diff_bpm4acY_rms vs Slug



Right In: 6597.401 $\pm$ 1.126	χ^2/NDF : 1669882.2/32	+ sign 6835.373 $\pm$ 0.814	χ^2/NDF : 2145446.8/57
Left Out: 7096.350 $\pm$ 1.179	χ^2/NDF : 381942.1/24	All: 6819.649 $\pm$ 0.575	χ^2/NDF : 4908488.0/11
Right Out: 6603.997 $\pm$ 1.097	χ^2/NDF : 2171130.2/36	- sign 6804.007 $\pm$ 0.812	χ^2/NDF : 2762297.7/59
Left In: 7047.269 $\pm$ 1.209	χ^2/NDF : 517433.5/22		

diff_bpm4ecX_mean vs Slug



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

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

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

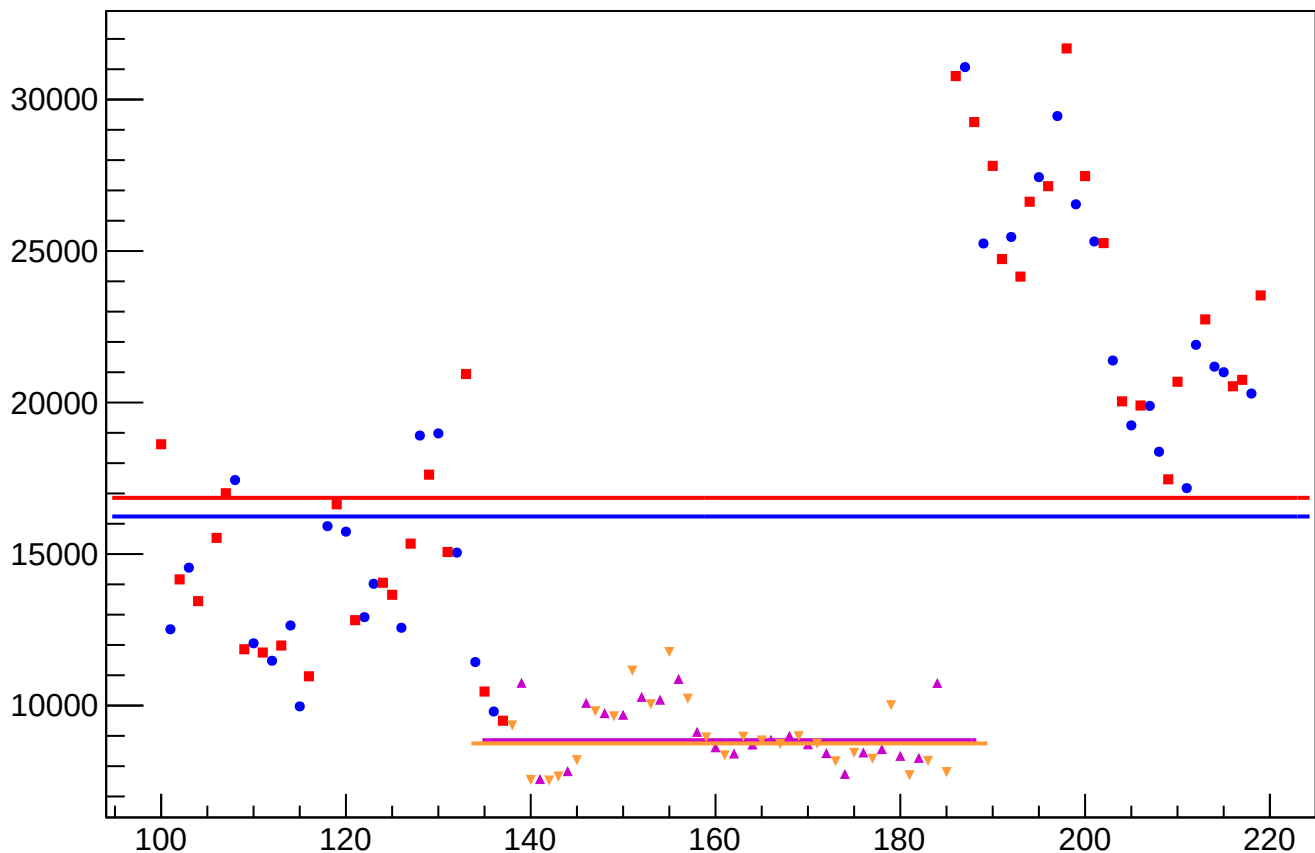
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

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

All: -7.637 ± 1.317 χ^2/NDF : 204.0/117

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

diff_bpm4ecX_rms vs Slug



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

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

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

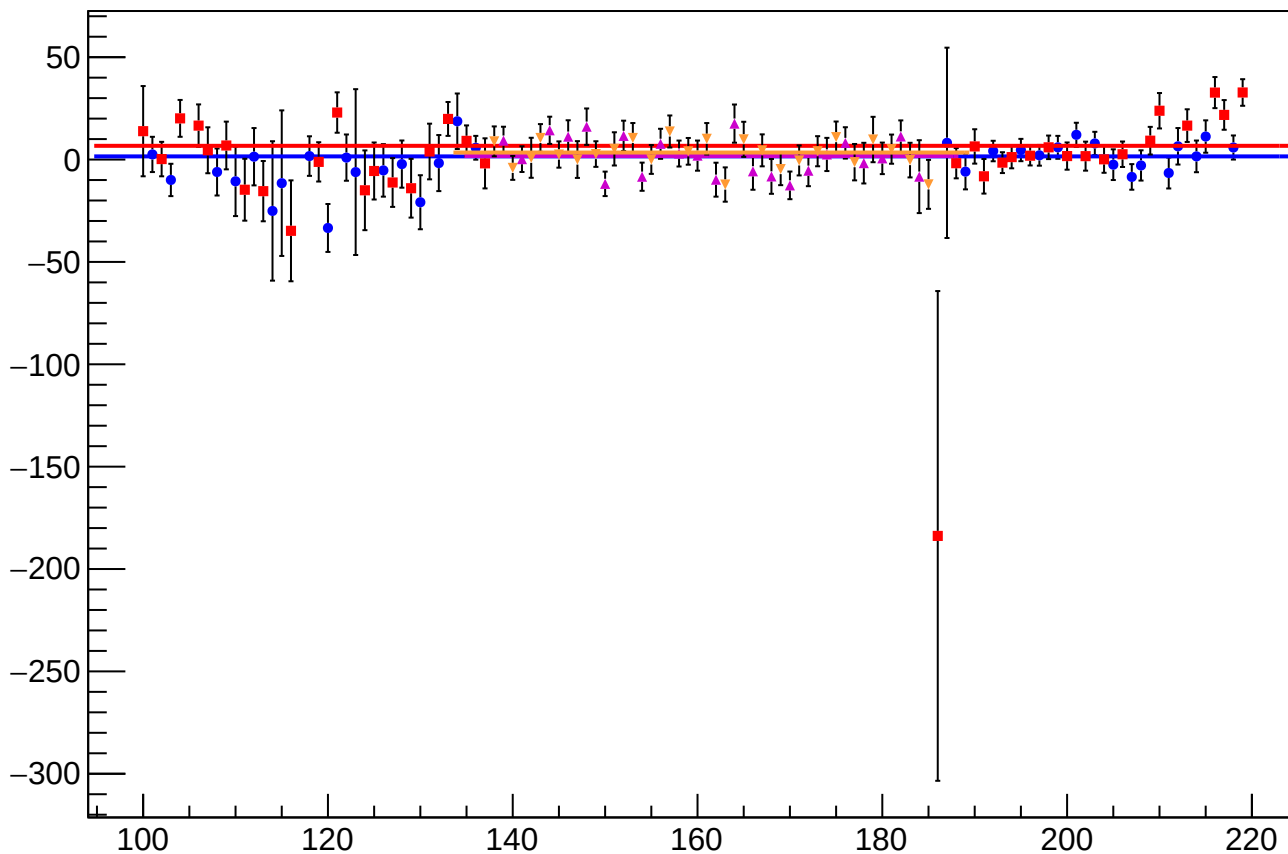
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

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

All: 10464.144+/-0.931 χ^2/NDF : 19807366.9/119

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

diff_bpm4ecY_mean vs Slug



Right In: 1.546 $\pm$ 1.407 χ^2 /NDF: 31.4/32

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

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

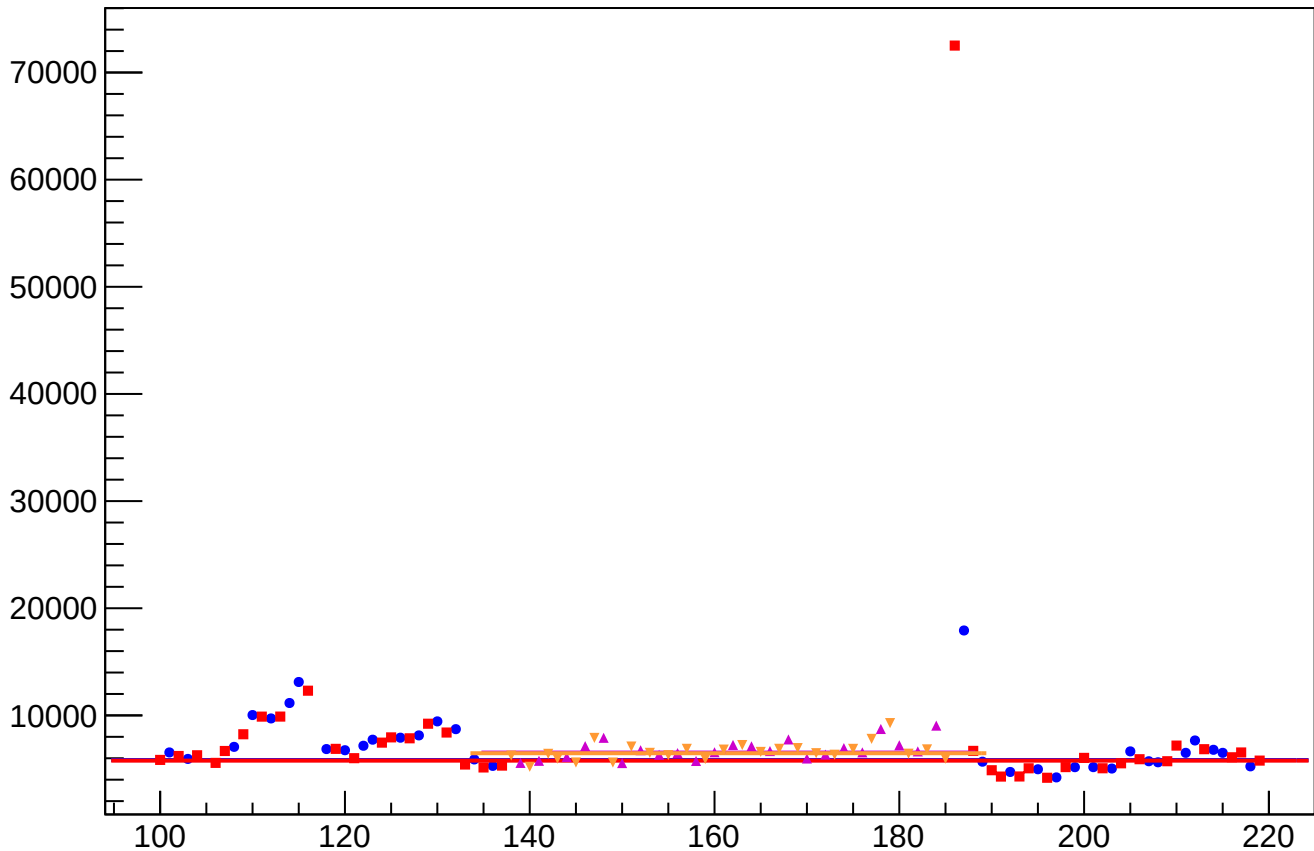
Left In: 1.734 $\pm$ 1.586 χ^2 /NDF:33.6/22

+ sign 2.413 $\pm$ 1.034 χ^2 /NDF: 48.5/57

All: 3.515 $\pm$ 0.730 χ^2 /NDF: 165.8/117

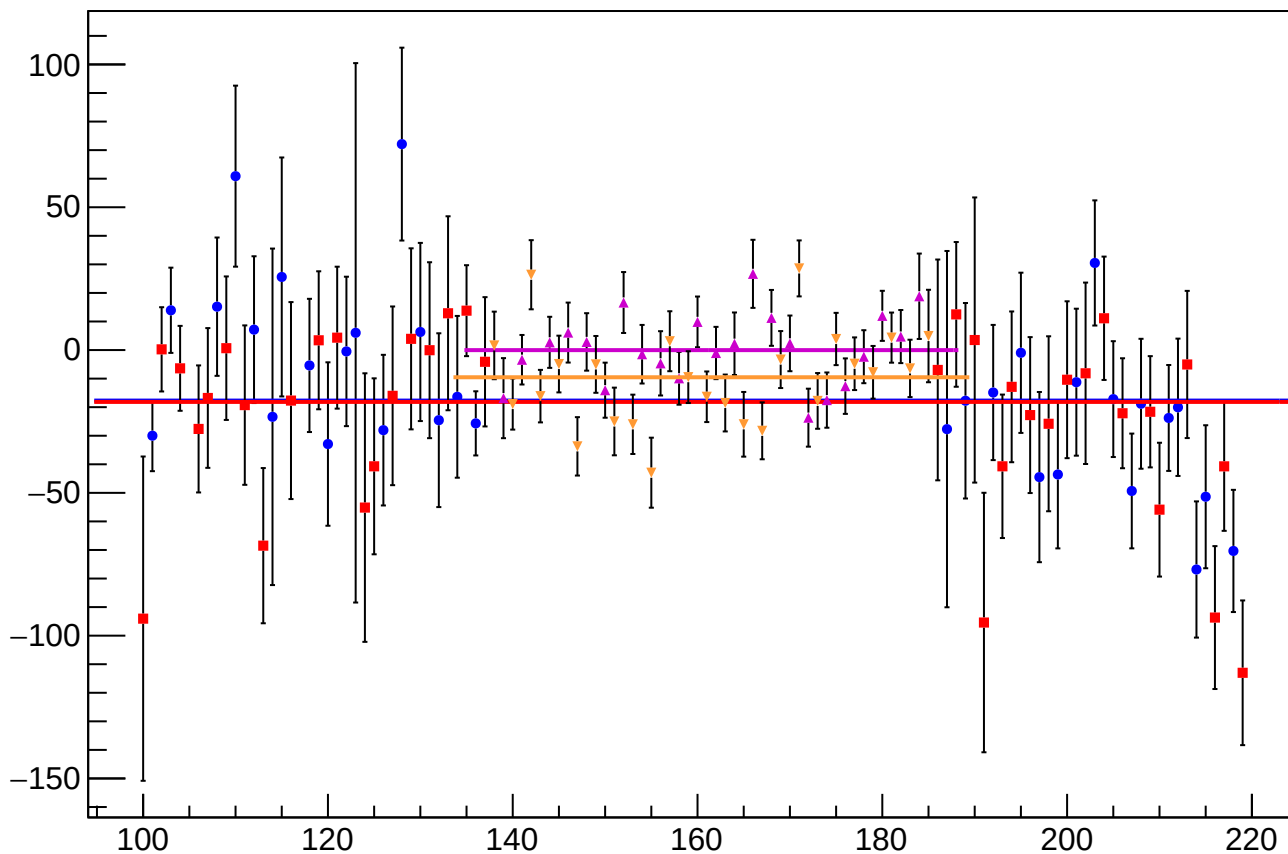
- sign 4.609 $\pm$ 1.030 χ^2 /NDF: 115.1/59

diff_bpm4ecY_rms vs Slug



Right In: 5831.219+/-0.995	χ^2/NDF : 1673704.1/32	+ sign 6124.289+/-0.731	χ^2/NDF : 2349689.8/57
Left Out: 6468.872+/-1.079	χ^2/NDF : 487187.3/24	All: 6110.605+/-0.516	χ^2/NDF : 5325031.0/11
Right Out: 5780.041+/-0.958	χ^2/NDF : 2250842.2/36	- sign 6097.026+/-0.729	χ^2/NDF : 2974643.7/59
Left In: 6530.954+/-1.121	χ^2/NDF : 464668.6/22		

diff_bpm1X_mean vs Slug



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

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

Right Out: -18.156 ± 4.095 χ^2/NDF : 51.6/36

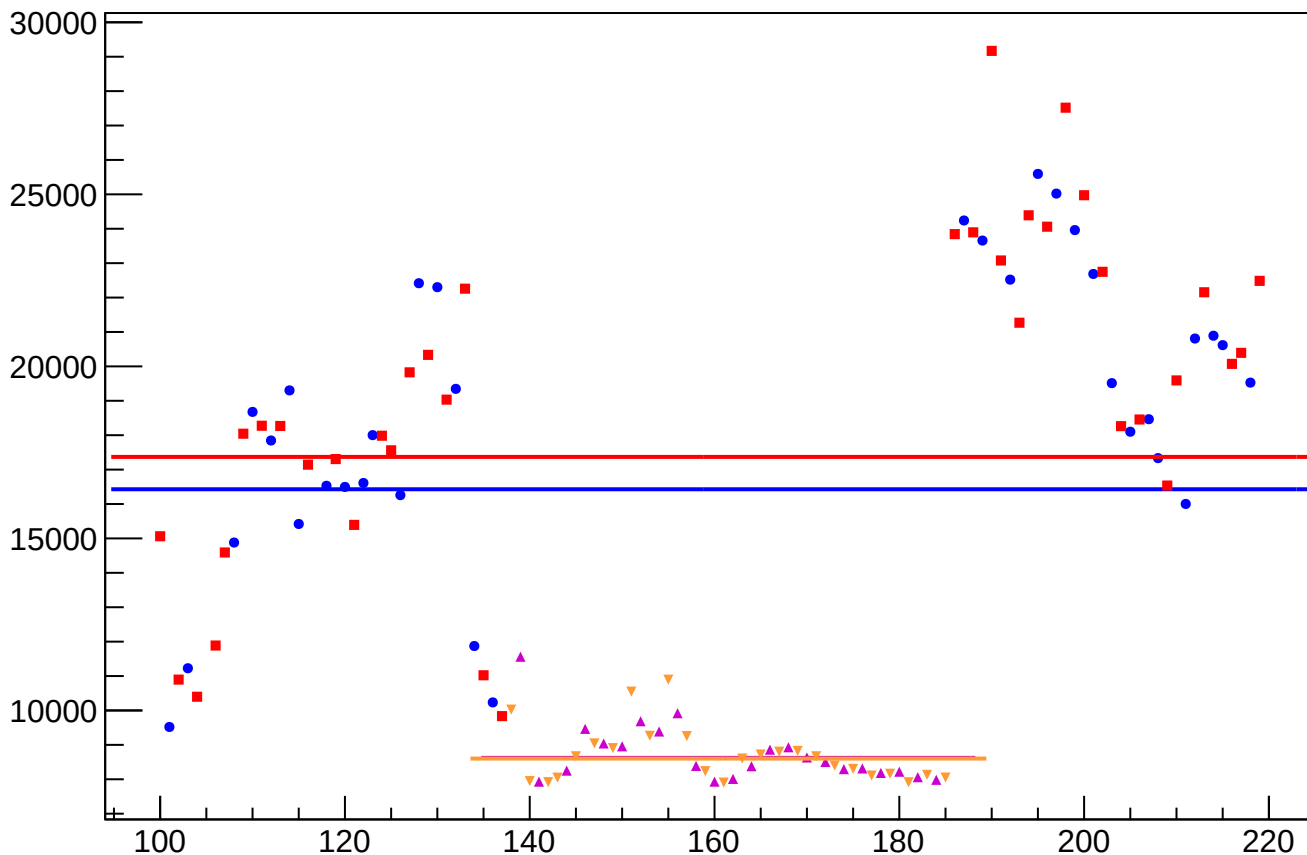
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

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

All: -7.560 ± 1.292 χ^2/NDF : 216.8/117

- sign -3.745 ± 1.854 χ^2/NDF : 97.1/59

diff_bpm1X_rms vs Slug



Right In: 16428.553+/-2.847 χ^2/NDF : 2938153.2/32

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

Right Out: 17369.350+/-2.895 χ^2/NDF : 2924609.5/36

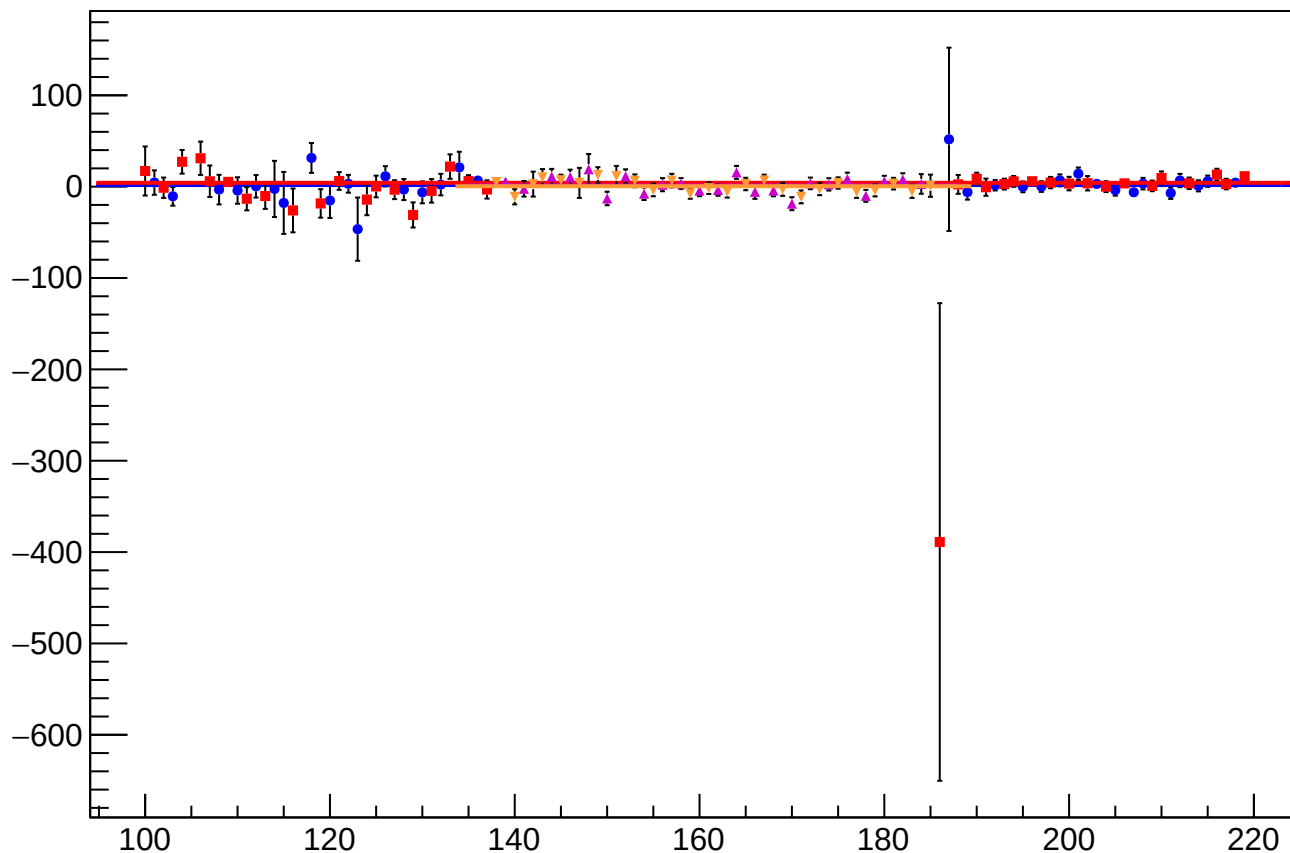
Left In: 8621.975+/-1.471 χ^2/NDF :230824.4/22

+ sign 10169.647+/-1.274 χ^2/NDF : 9229649.9/57

All: 10289.334+/-0.914 χ^2/NDF : 19659024.8

- sign 10416.055+/-1.311 χ^2/NDF : 10411213.2/59

diff_bpm1Y_mean vs Slug



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

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

Right Out: 4.195 $\pm$ 1.292 χ^2 /NDF: 32.4/36

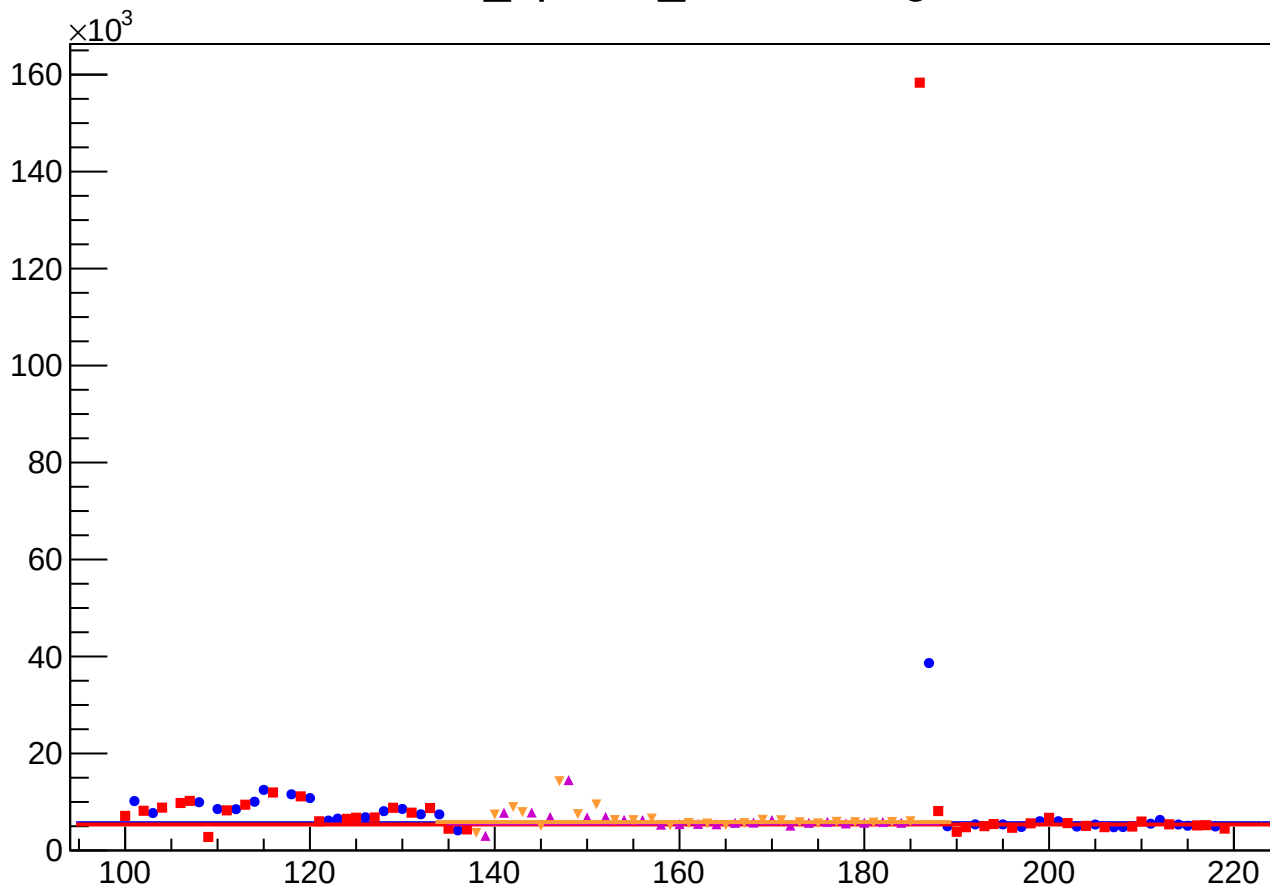
Left In: 1.298 $\pm$ 1.406 χ^2 /NDF:33.0/22

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

All: 2.038 $\pm$ 0.685 χ^2 /NDF: 112.7/117

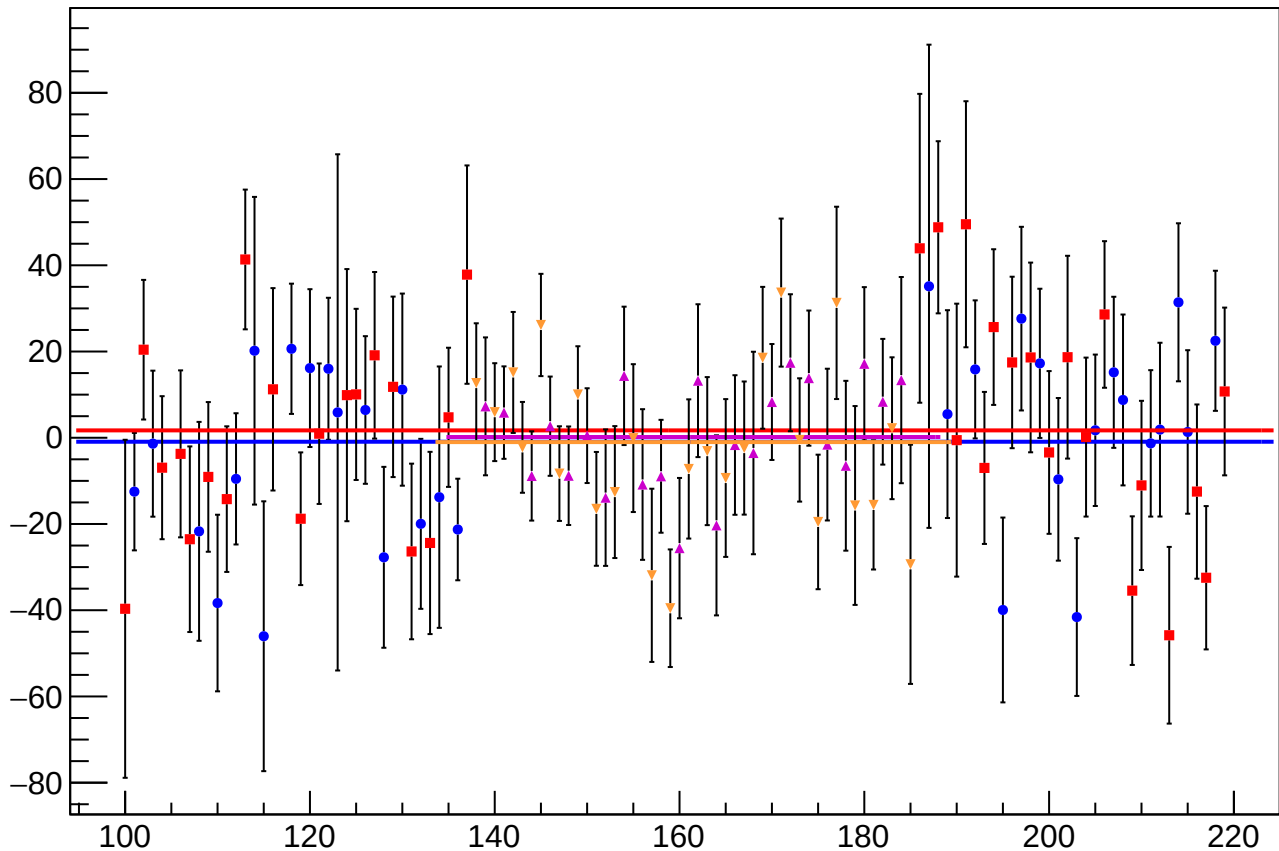
- sign 2.869 $\pm$ 0.952 χ^2 /NDF: 67.7/59

diff_bpm1Y_rms vs Slug



Right In: 5629.834 ± 0.969 $\chi^2/\text{NDF}: 2184057.1/32$ + sign 5740.221 ± 0.697 $\chi^2/\text{NDF}: 3902305.6/57$
 Left Out: 5858.642 ± 1.004 $\chi^2/\text{NDF}: 1691344.1/24$ All: 5599.281 ± 0.484 $\chi^2/\text{NDF}: 9628815.6/11$
 Right Out: 5359.080 ± 0.914 $\chi^2/\text{NDF}: 3526777.9/36$ - sign 5467.961 ± 0.673 $\chi^2/\text{NDF}: 5647533.9/59$
 Left In: 5596.879 ± 0.994 $\chi^2/\text{NDF}: 2089750.1/22$

diff_bpm11X_mean vs Slug



Right In: -0.924 ± 3.282 $\chi^2/\text{NDF}: 36.9/32$

Left Out: -1.007 ± 2.942 $\chi^2/\text{NDF}: 33.5/24$

Right Out: 1.709 ± 3.218 $\chi^2/\text{NDF}: 51.7/36$

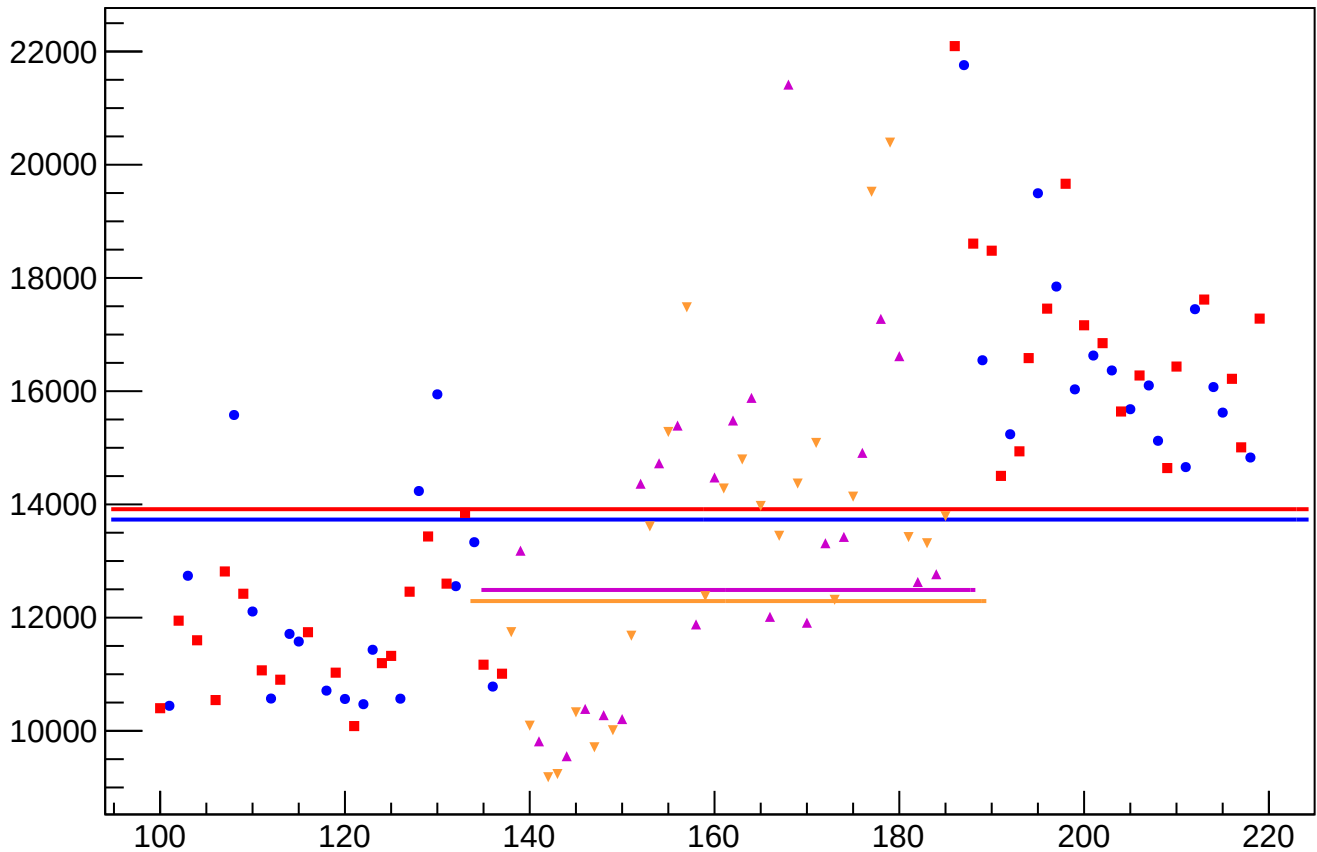
Left In: 0.172 ± 3.067 $\chi^2/\text{NDF}: 12.4/22$

+ sign -0.970 ± 2.191 $\chi^2/\text{NDF}: 70.4/57$

All: -0.046 ± 1.559 $\chi^2/\text{NDF}: 134.9/117$

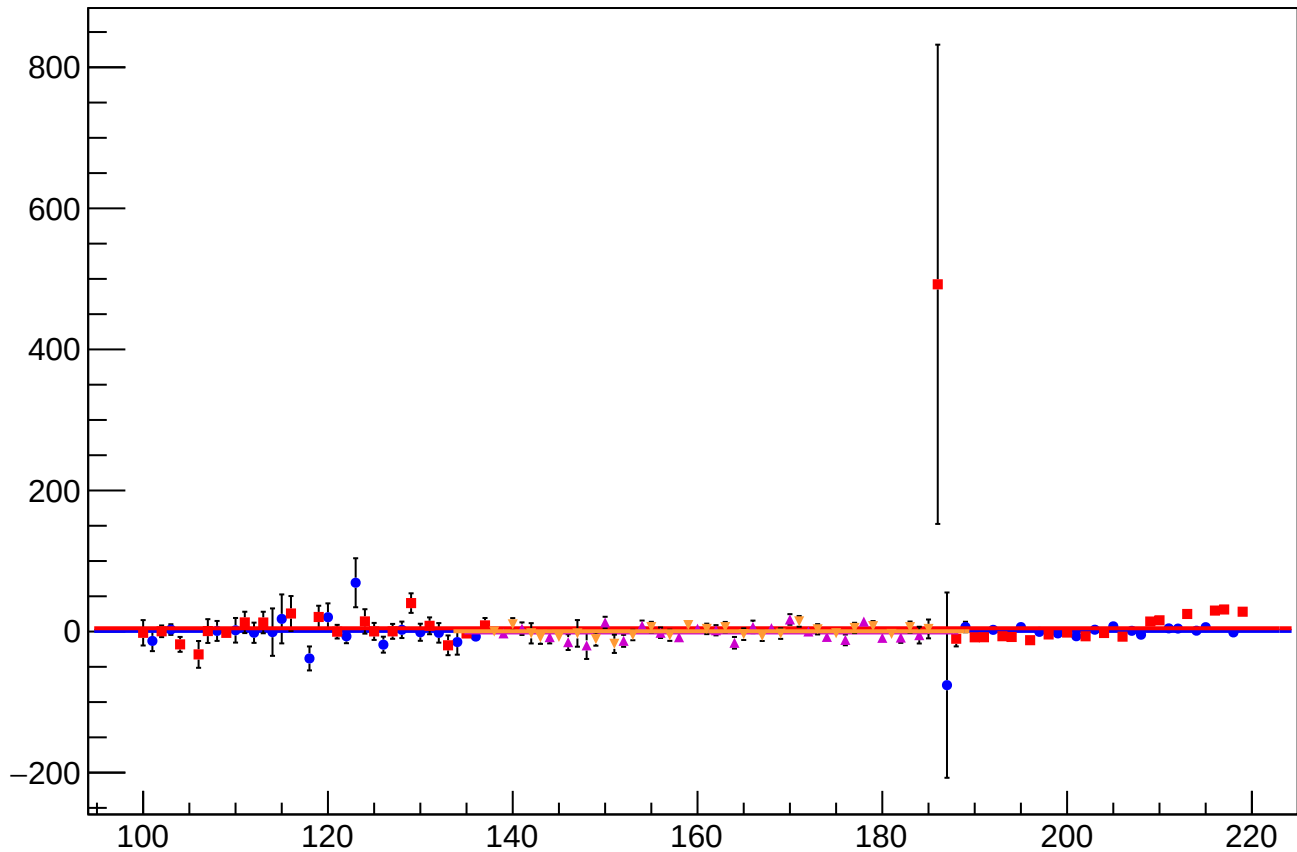
- sign 0.904 ± 2.220 $\chi^2/\text{NDF}: 64.1/59$

diff_bpm11X_rms vs Slug



Right In: 13732.281 ± 2.321 $\chi^2/\text{NDF}: 1328272.0/32$ + sign 12933.871 ± 1.549 $\chi^2/\text{NDF}: 3044223.0/57$
 Left Out: 12292.583 ± 2.080 $\chi^2/\text{NDF}: 1502548.3/24$ All: 13049.304 ± 1.103 $\chi^2/\text{NDF}: 6112309.2/1$
 Right Out: 13915.429 ± 2.276 $\chi^2/\text{NDF}: 1496396.9/36$ - sign 13167.893 ± 1.570 $\chi^2/\text{NDF}: 3056827.0/59$
 Left In: 12488.821 ± 2.169 $\chi^2/\text{NDF}: 1354485.4/22$

diff_bpm11Y_mean vs Slug



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

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

Right Out: 4.659 ± 1.109 χ^2/NDF : 177.2/36

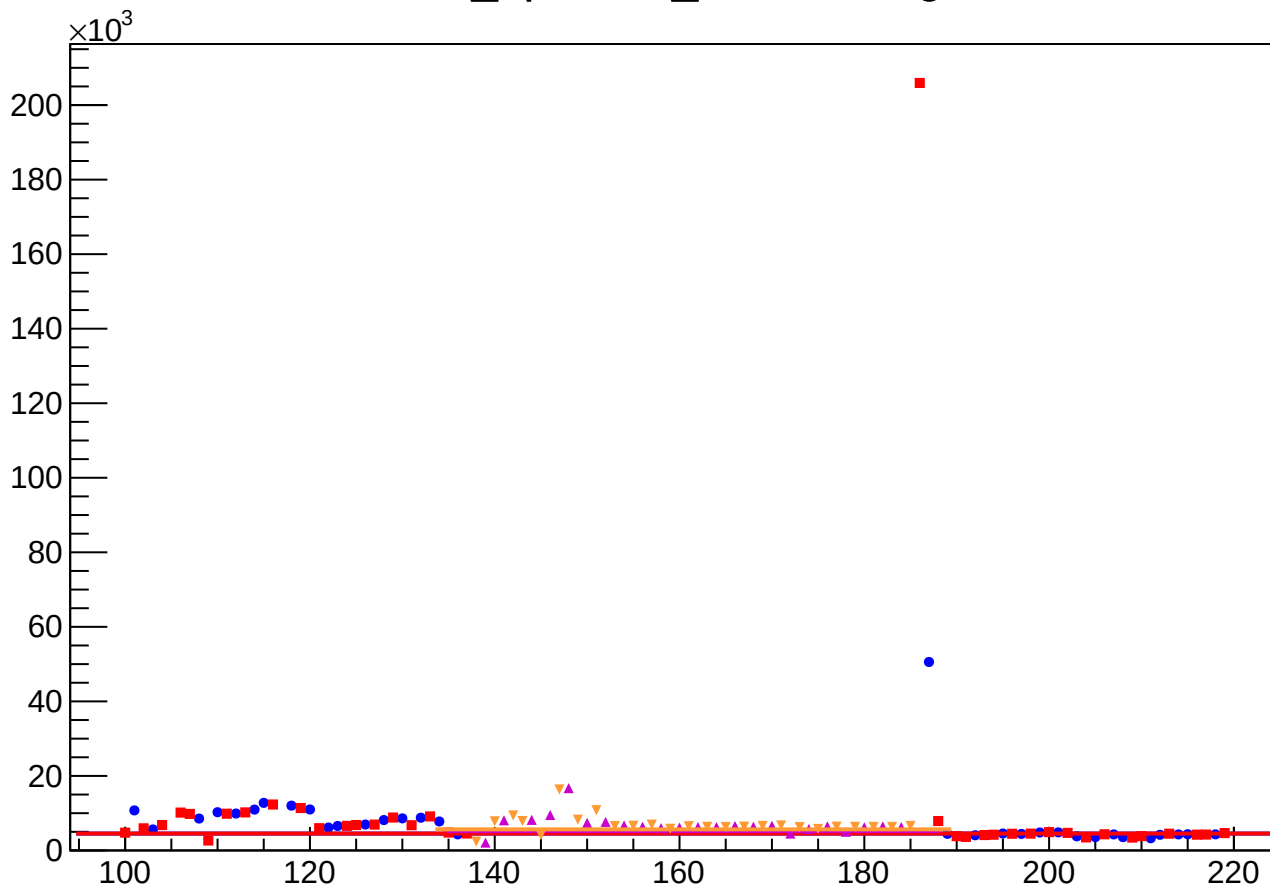
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

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

All: 1.552 ± 0.619 χ^2/NDF : 273.5/117

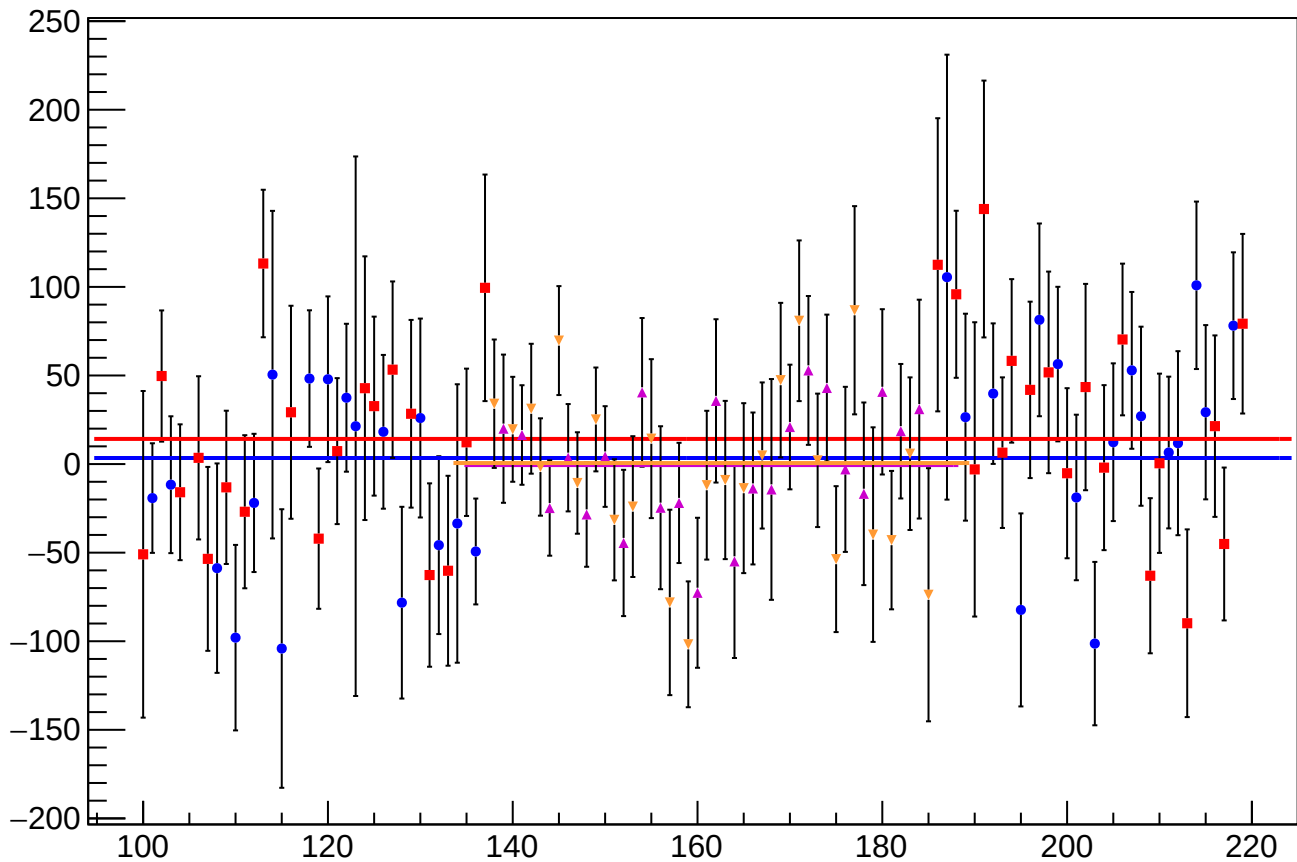
- sign 2.342 ± 0.866 χ^2/NDF : 222.4/59

diff_bpm11Y_rms vs Slug



Right In: 4532.167 ± 0.798 $\chi^2/\text{NDF}: 3472126.9/32$ + sign 4961.413 ± 0.627 $\chi^2/\text{NDF}: 8354194.0/57$
 Left Out: 5655.639 ± 1.014 $\chi^2/\text{NDF}: 4124124.3/24$ All: 4870.962 ± 0.438 $\chi^2/\text{NDF}: 17981703.2/1$
 Right Out: 4531.384 ± 0.784 $\chi^2/\text{NDF}: 3969008.5/36$ - sign 4784.770 ± 0.612 $\chi^2/\text{NDF}: 9586870.7/59$
 Left In: 5180.743 ± 0.980 $\chi^2/\text{NDF}: 5350053.6/22$

diff_bpm12X_mean vs Slug



Right In: 3.426 ± 8.218 χ^2/NDF : 40.3/32

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

Right Out: 14.194 ± 8.064 χ^2/NDF : 41.9/36

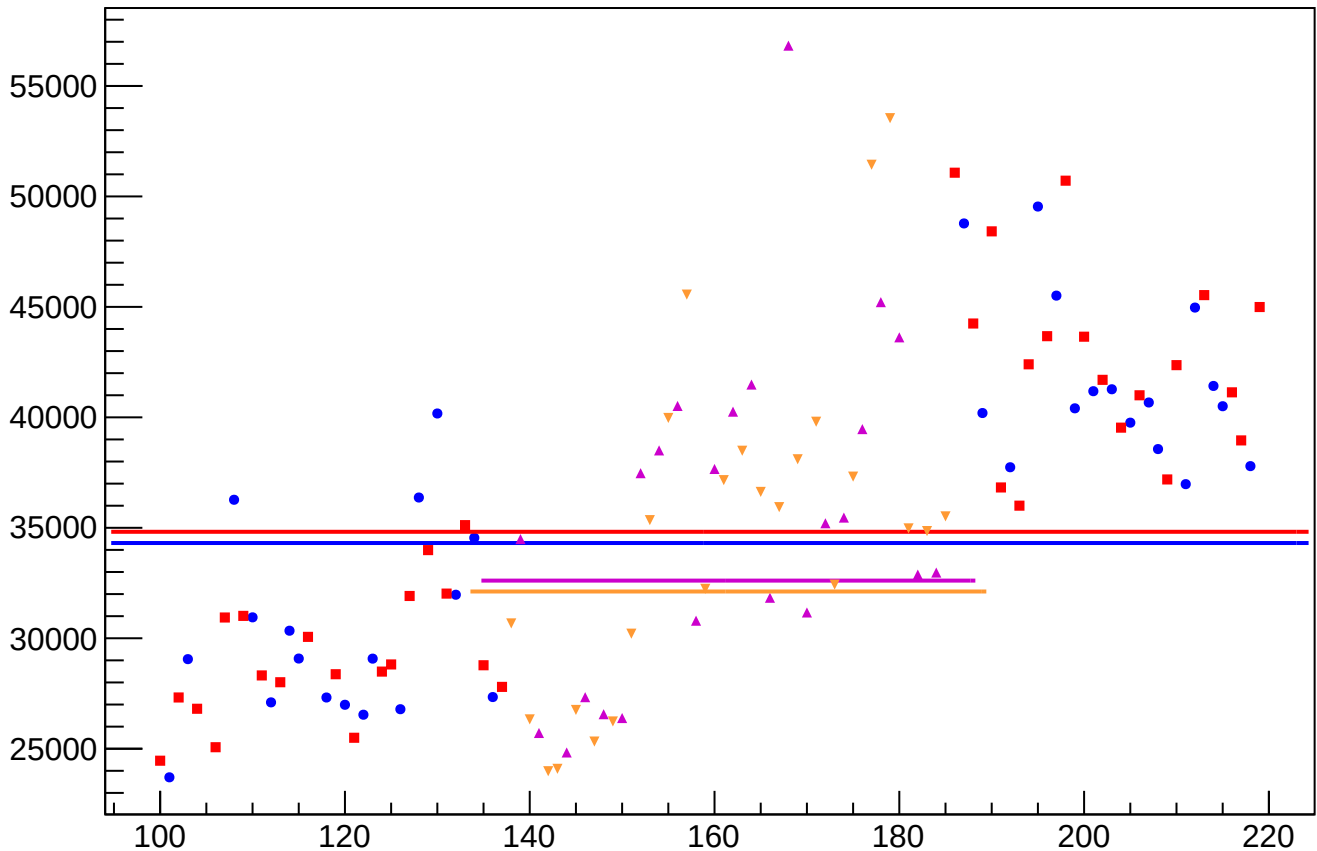
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign 1.909 ± 5.615 χ^2/NDF : 71.3/57

All: 4.309 ± 3.995 χ^2/NDF : 129.6/117

- sign 6.769 ± 5.685 χ^2/NDF : 57.9/59

diff_bpm12X_rms vs Slug



Right In: 34311.468 ± 5.811 $\chi^2/\text{NDF}: 1447554.1/32$

Left Out: 32117.184 ± 5.438 $\chi^2/\text{NDF}: 1536740.0/24$

Right Out: 34819.587 ± 5.702 $\chi^2/\text{NDF}: 1606479.9/36$

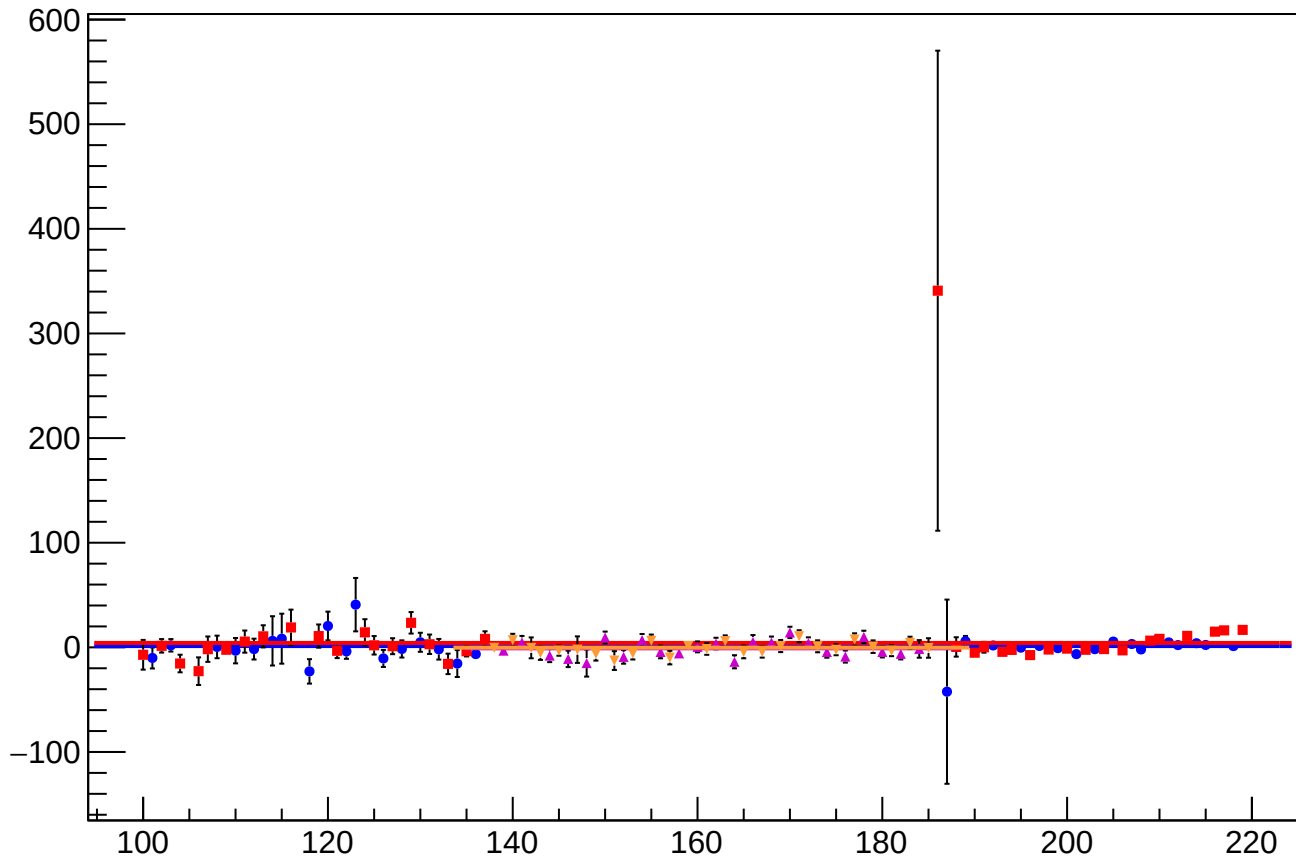
Left In: 32610.108 ± 5.667 $\chi^2/\text{NDF}: 1398475.8/22$

+ sign 33141.693 ± 3.971 $\chi^2/\text{NDF}: 3060313.0/57$

All: 33421.368 ± 2.825 $\chi^2/\text{NDF}: 6150846.7/100$

- sign 33708.006 ± 4.020 $\chi^2/\text{NDF}: 3080487.2/59$

diff_bpm12Y_mean vs Slug



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

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

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

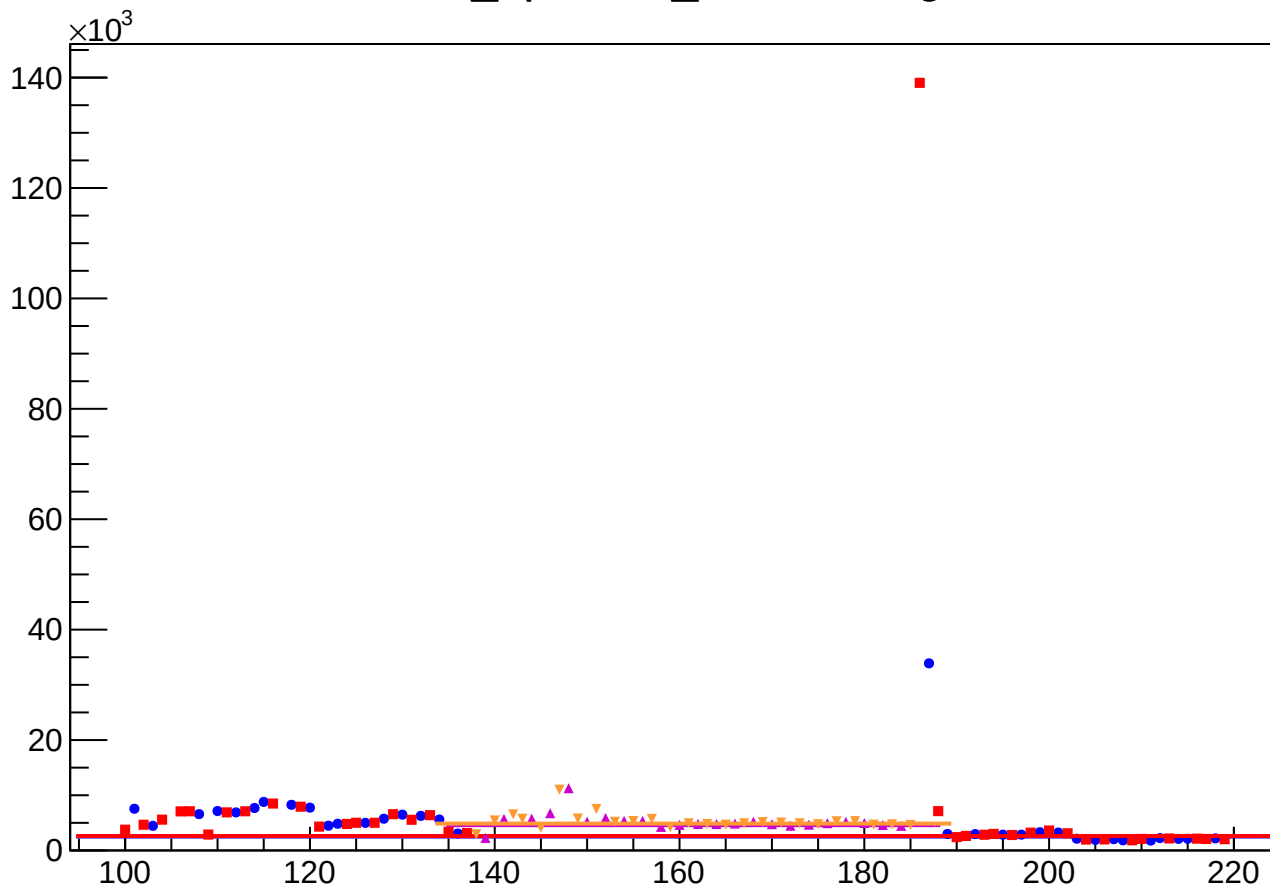
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

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

All: 1.915 ± 0.403 χ^2/NDF : 283.8/117

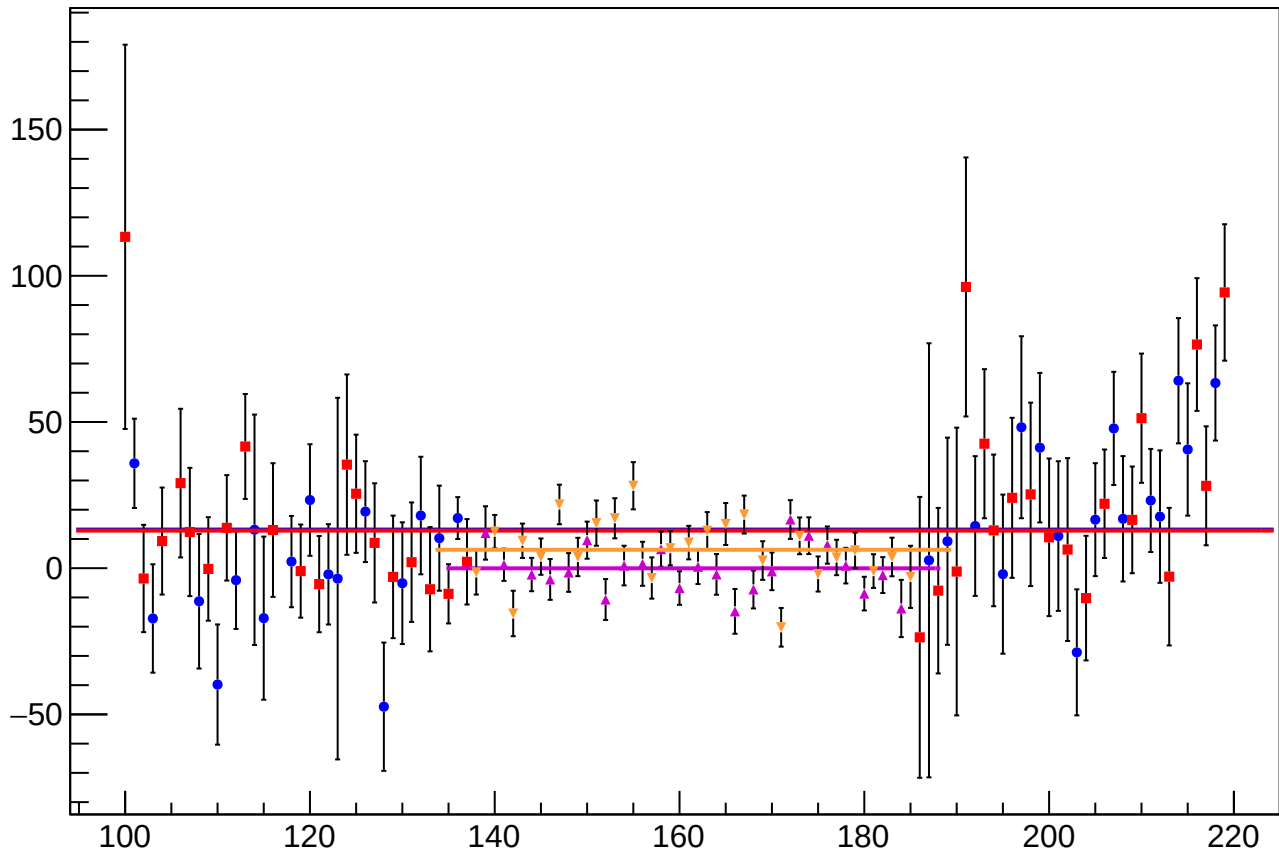
- sign 2.965 ± 0.570 χ^2/NDF : 218.9/59

diff_bpm12Y_rms vs Slug



Right In: 2526.250 ± 0.460 $\chi^2/\text{NDF}: 5598499.4/32$ + sign 3076.385 ± 0.402 $\chi^2/\text{NDF}: 13200892.4/57$
 Left Out: 4866.528 ± 0.829 $\chi^2/\text{NDF}: 1511486.2/24$ All: 3083.164 ± 0.285 $\chi^2/\text{NDF}: 26307007.6/1$
 Right Out: 2607.600 ± 0.464 $\chi^2/\text{NDF}: 6199419.2/36$ - sign 3089.980 ± 0.403 $\chi^2/\text{NDF}: 13105545.2/59$
 Left In: 4582.193 ± 0.816 $\chi^2/\text{NDF}: 2478681.0/22$

diff_bpm16X_mean vs Slug



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

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

Right Out: 12.856 $\pm$ 3.440 χ^2 /NDF: 48.5/36

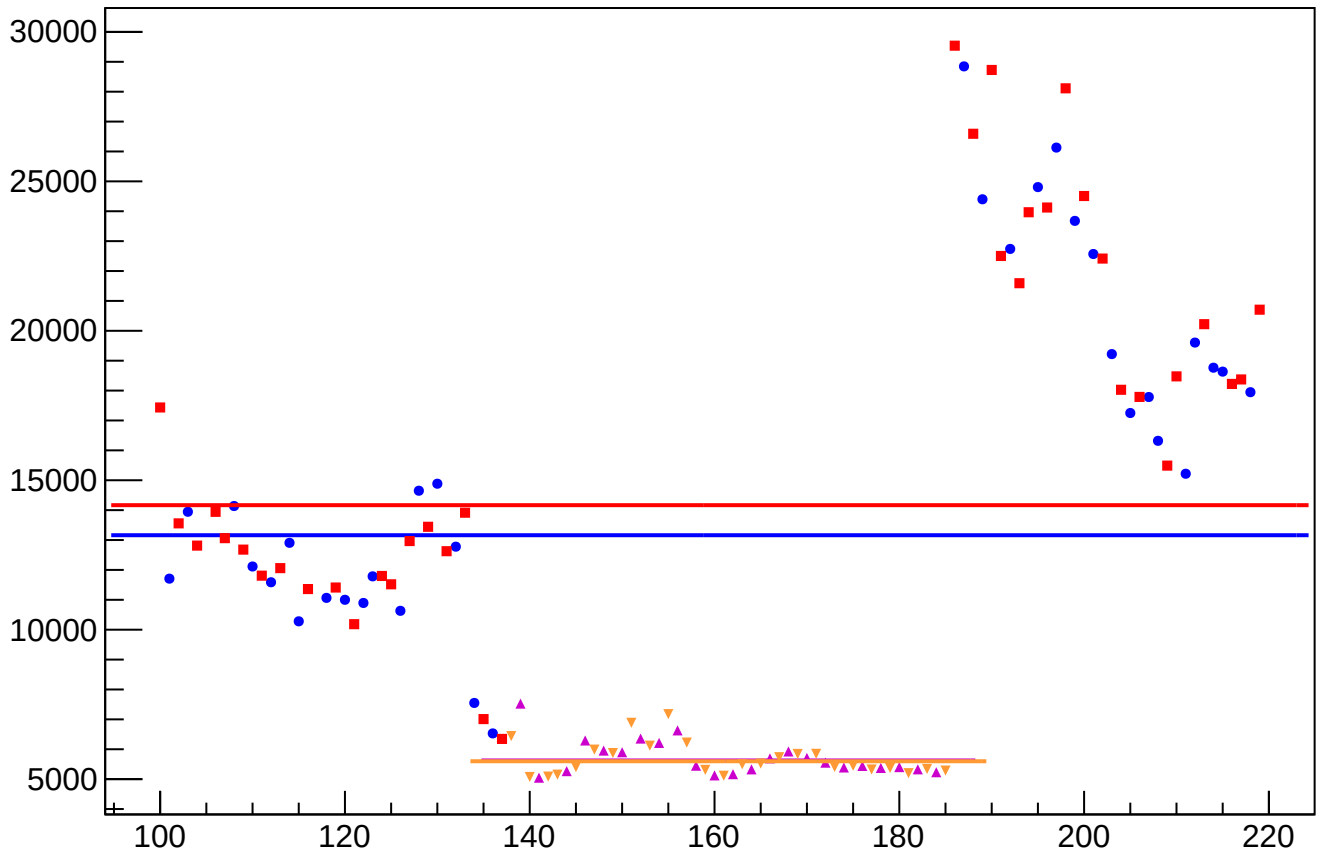
Left In: -0.044 $\pm$ 1.358 χ^2 /NDF:30.0/22

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

All: 4.555 $\pm$ 0.878 χ^2 /NDF: 210.3/117

- sign 1.695 $\pm$ 1.263 χ^2 /NDF: 90.7/59

diff_bpm16X_rms vs Slug



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

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

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

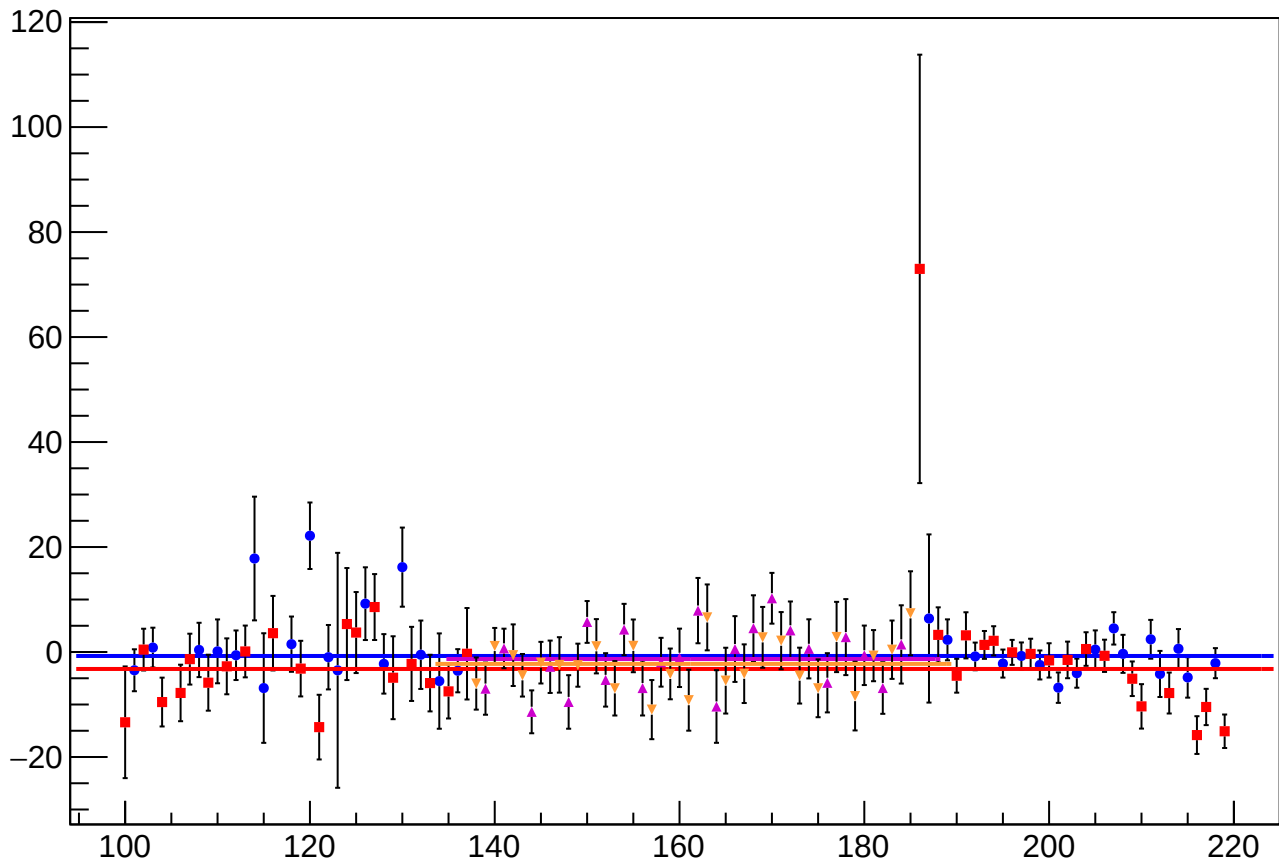
Left In: 5625.163+/-0.960 χ^2/NDF : 272563.5/22

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

All: 6692.604+/-0.621 χ^2/NDF : 30199620.2/1

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

diff_bpm16Y_mean vs Slug



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

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

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

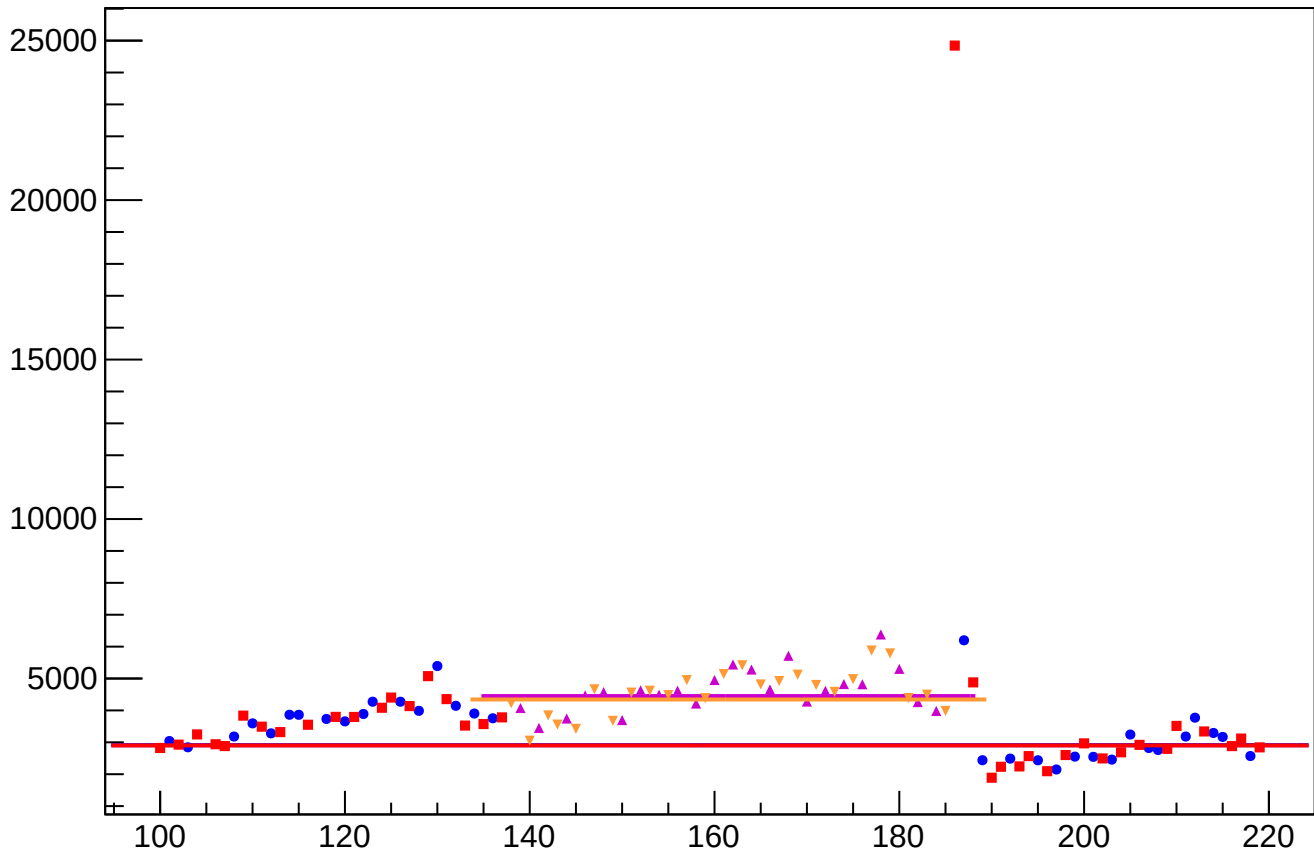
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

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

All: -1.966 ± 0.408 χ^2/NDF : 160.6/117

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

diff_bpm16Y_rms vs Slug



Right In: 2910.184 $\pm$ 0.495 χ^2 /NDF: 1446455.1/32

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

Right Out: 2902.143 $\pm$ 0.480 χ^2 /NDF: 2346922.4/36

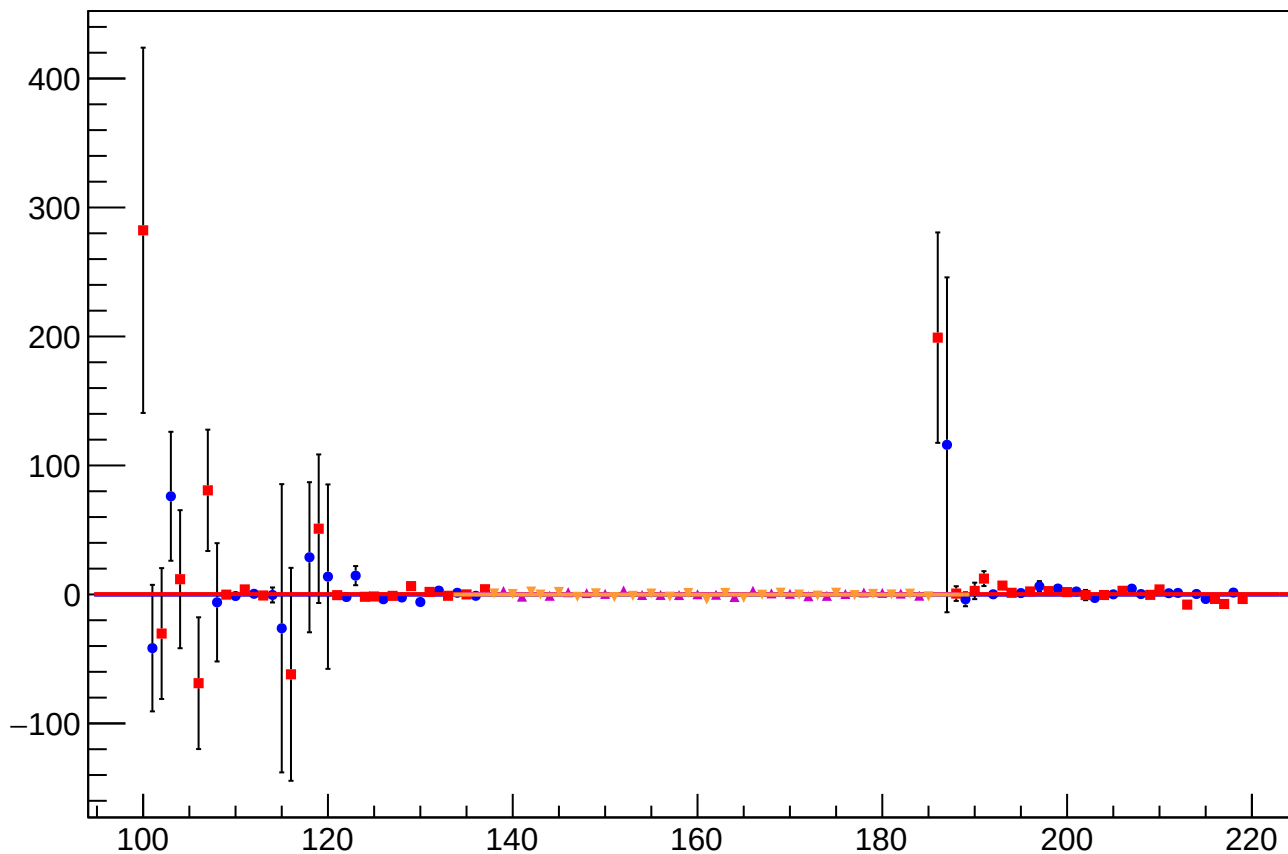
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF:693229.8/22

+ sign 3363.038 $\pm$ 0.410 χ^2 /NDF: 5084098.9/57

All: 3351.386 $\pm$ 0.289 χ^2 /NDF: 11061284.8/100

- sign 3339.887 $\pm$ 0.407 χ^2 /NDF: 5975577.7/59

diff_bpm1p02bX_mean vs Slug



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

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

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

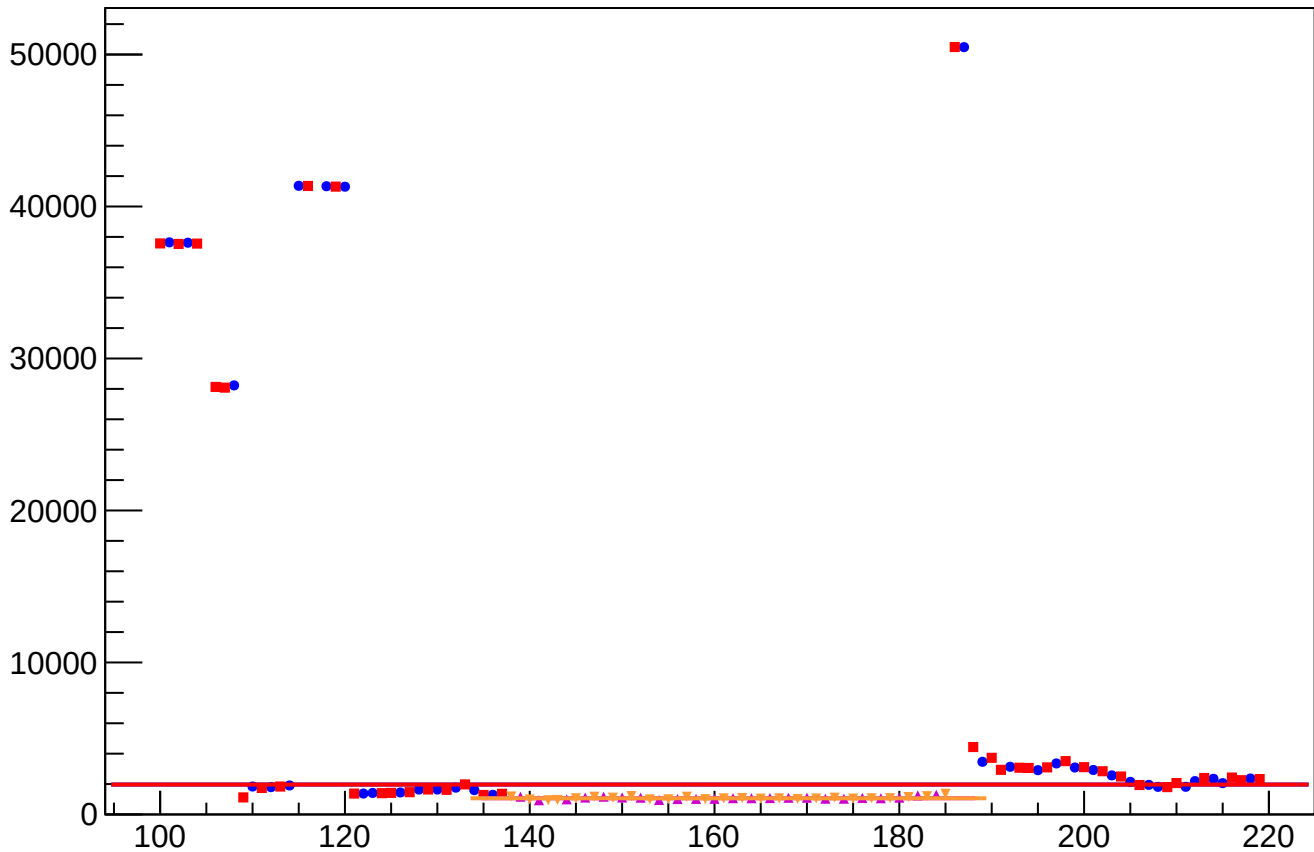
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

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

All: 0.072 ± 0.160 χ^2/NDF : 159.4/117

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

diff_bpm1p02bX_rms vs Slug



Right In: 1968.268 $\pm$ 0.365 χ^2 /NDF: 7049596.5/32

Left Out: 1064.701 $\pm$ 0.176 χ^2 /NDF: 186511.5/24

Right Out: 1965.921 $\pm$ 0.362 χ^2 /NDF: 8539140.4/36

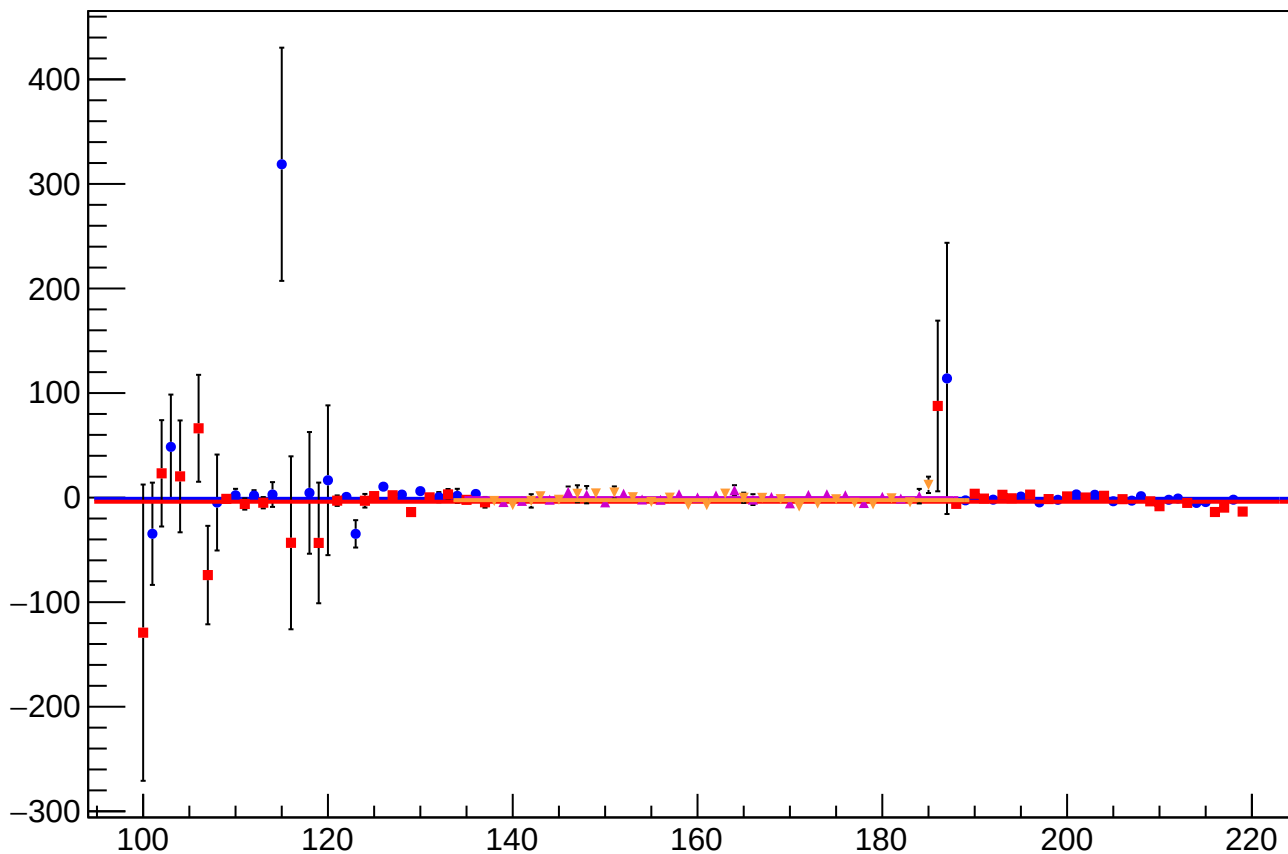
Left In: 1066.255 $\pm$ 0.182 χ^2 /NDF: 164232.1/22

+ sign 1235.433 $\pm$ 0.159 χ^2 /NDF: 12210646.1/57

All: 1241.056 $\pm$ 0.113 χ^2 /NDF: 25840621.2/100

- sign 1246.954 $\pm$ 0.162 χ^2 /NDF: 13627399.4/59

diff_bpm1p02bY_mean vs Slug



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

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

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

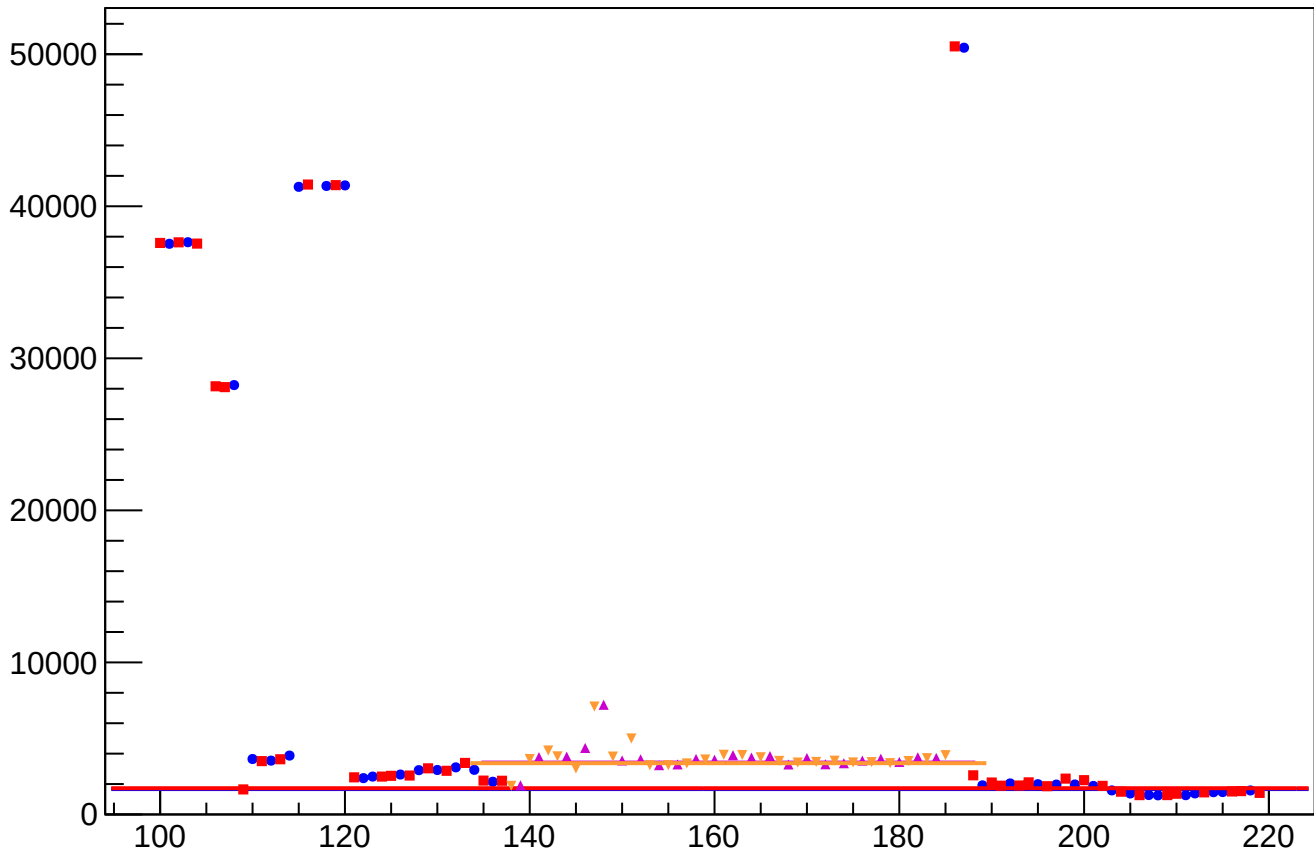
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

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

All: -2.290 ± 0.276 χ^2/NDF : 272.0/117

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

diff_bpm1p02bY_rms vs Slug



Right In: 1670.105 ± 0.310 $\chi^2/\text{NDF}: 7110714.8/32$

Left Out: 3372.958 ± 0.573 $\chi^2/\text{NDF}: 1656864.7/24$

Right Out: 1725.312 ± 0.315 $\chi^2/\text{NDF}: 7696120.8/36$

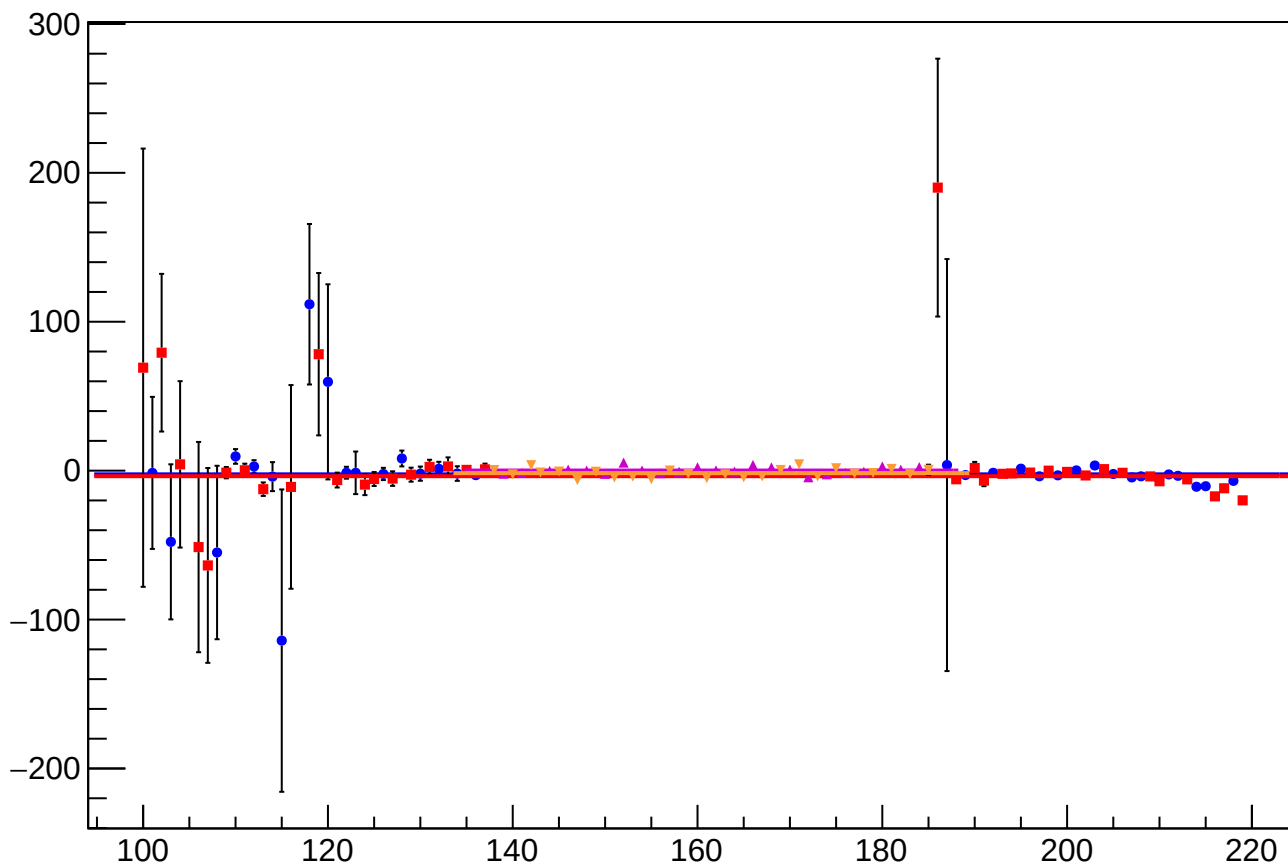
Left In: 3411.924 ± 0.596 $\chi^2/\text{NDF}: 1434523.7/22$

+ sign 2056.308 ± 0.273 $\chi^2/\text{NDF}: 15592932.6/57$

All: 2074.805 ± 0.195 $\chi^2/\text{NDF}: 30990487.2/100$

- sign 2094.087 ± 0.279 $\chi^2/\text{NDF}: 15388175.0/59$

diff_bpm1p03aX_mean vs Slug



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

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

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

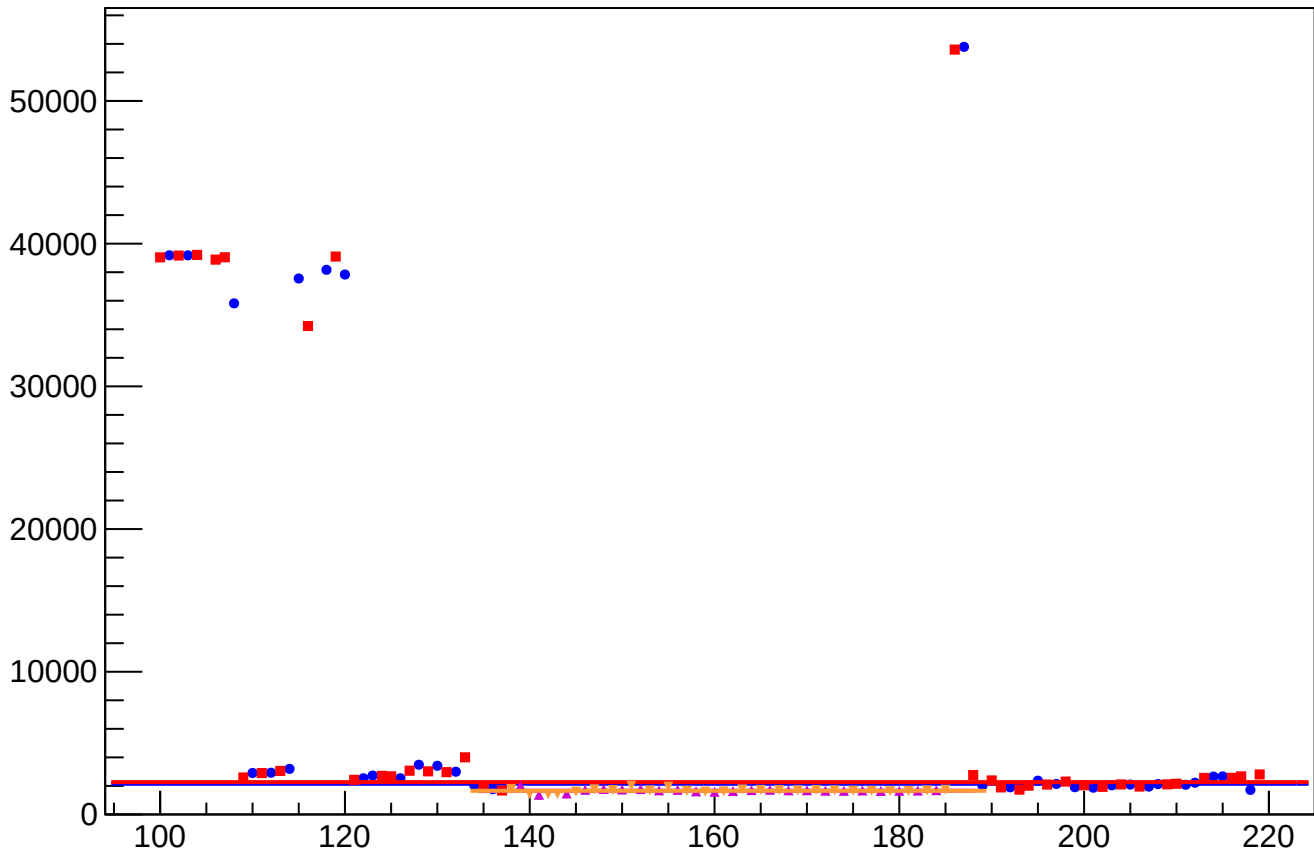
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

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

All: -1.577 ± 0.228 χ^2/NDF : 251.2/117

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

diff_bpm1p03aX_rms vs Slug



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

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

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

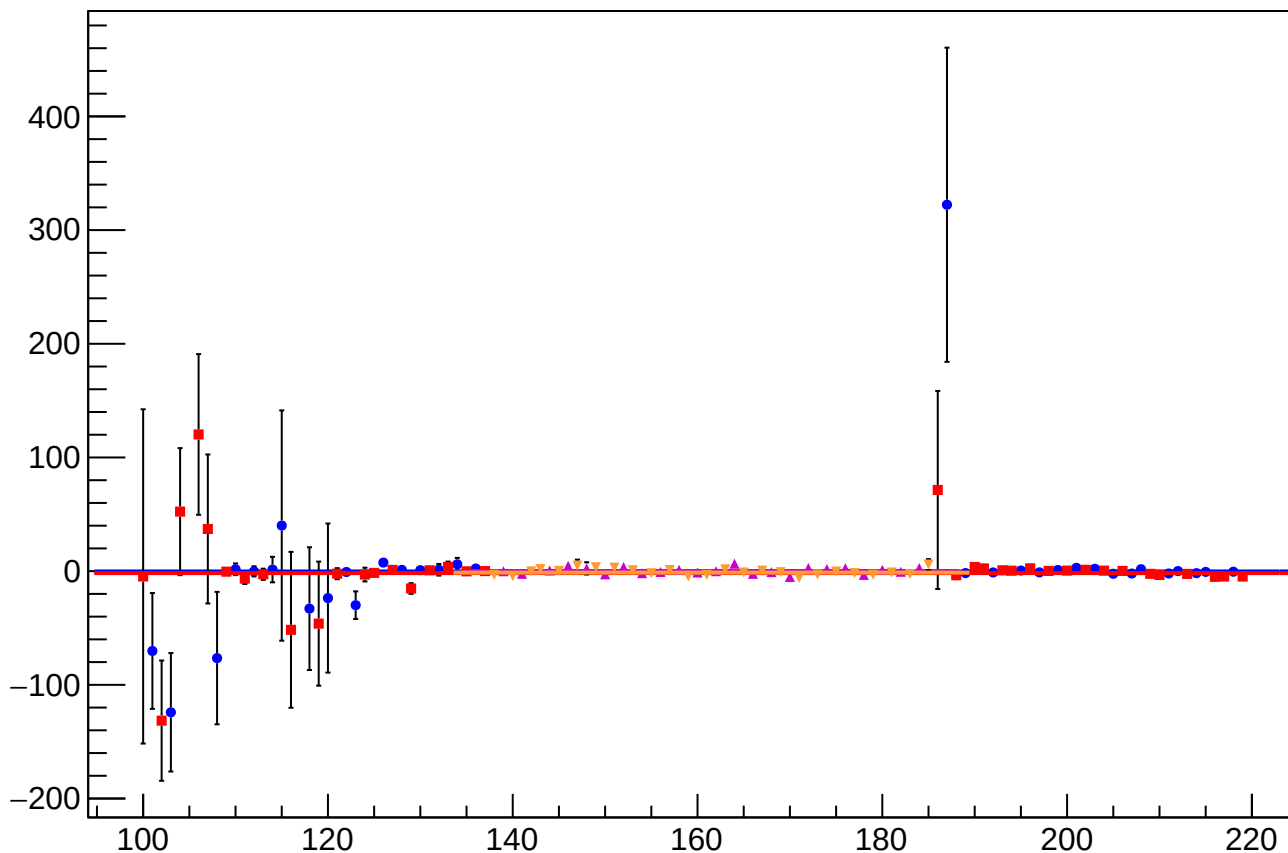
Left In: 1663.620+/-0.284 χ^2/NDF : 178858.2/22

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

All: 1841.081+/-0.161 χ^2/NDF : 14851580.1/111

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

diff_bpm1p03aY_mean vs Slug



Right In: -0.281 ± 0.370 χ^2/NDF : 45.1/32

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

Right Out: -1.705 ± 0.361 χ^2/NDF : 71.2/36

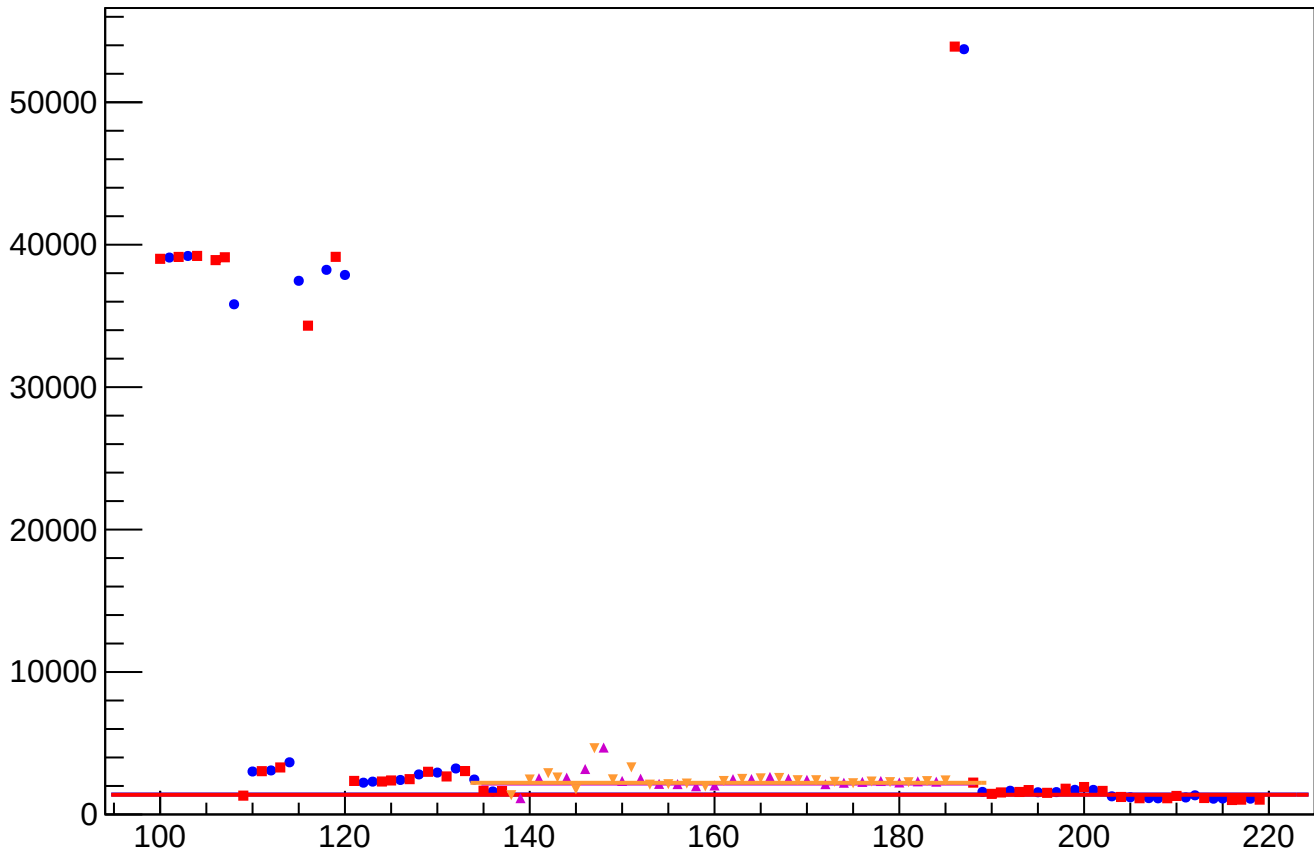
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.594 ± 0.304 χ^2/NDF : 69.1/57

All: -0.875 ± 0.214 χ^2/NDF : 169.0/117

- sign -1.149 ± 0.300 χ^2/NDF : 98.2/59

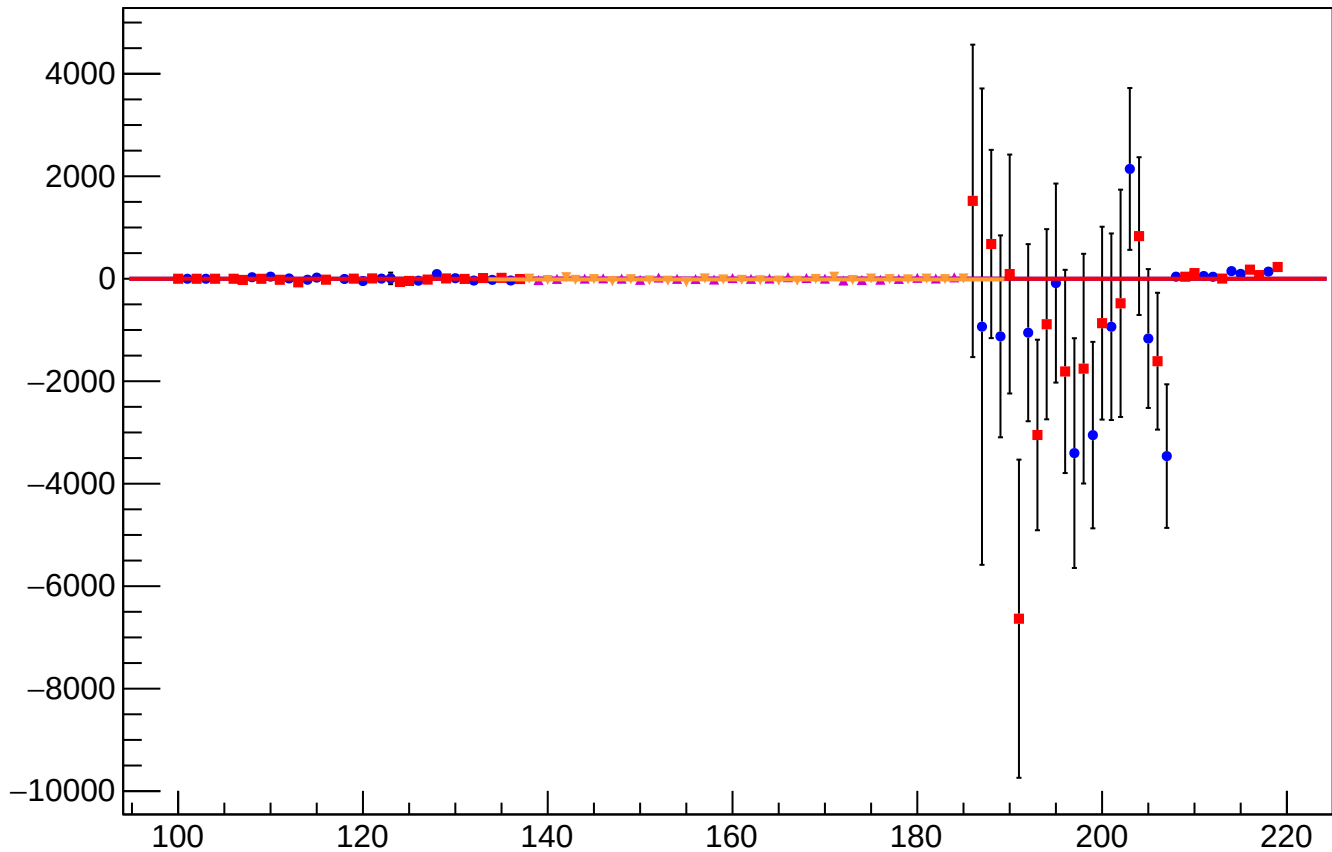
diff_bpm1p03aY_rms vs Slug



Right In: 1399.268 $\pm$ 0.262 χ^2 /NDF: 7407104.6/32
 Left Out: 2222.081 $\pm$ 0.378 χ^2 /NDF:1422440.9/24
 Right Out: 1382.509 $\pm$ 0.255 χ^2 /NDF: 8360163.7/36
 Left In: 2169.443 $\pm$ 0.383 χ^2 /NDF:1974869.8/22

+ sign 1665.286 $\pm$ 0.215 χ^2 /NDF: 12030298.7/57
 All: 1644.929 $\pm$ 0.151 χ^2 /NDF: 25307977.7/1
 - sign 1625.070 $\pm$ 0.212 χ^2 /NDF: 13259987.8/59

diff_cav4bX_mean vs Slug



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

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

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

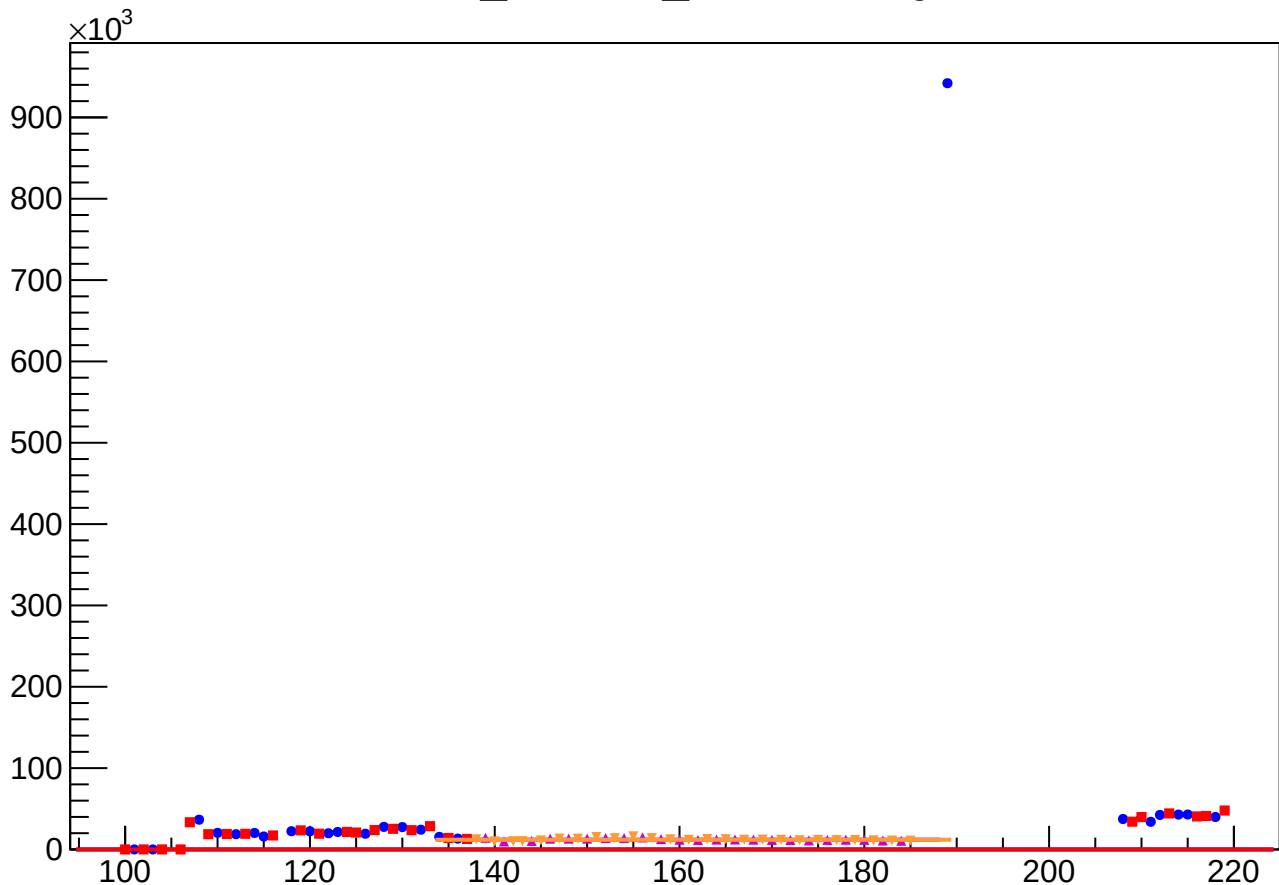
Left In: -0.459 ± 2.917 χ^2/NDF : 29.0/22

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

All: 0.008 ± 0.012 χ^2/NDF : 234.4/117

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

diff_cav4bX_rms vs Slug



Right In: 18.674 $\pm$ 0.012 χ^2 /NDF: 19820873.6/23

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

Right Out: 18.339 $\pm$ 0.011 χ^2 /NDF: 19870002.7/24

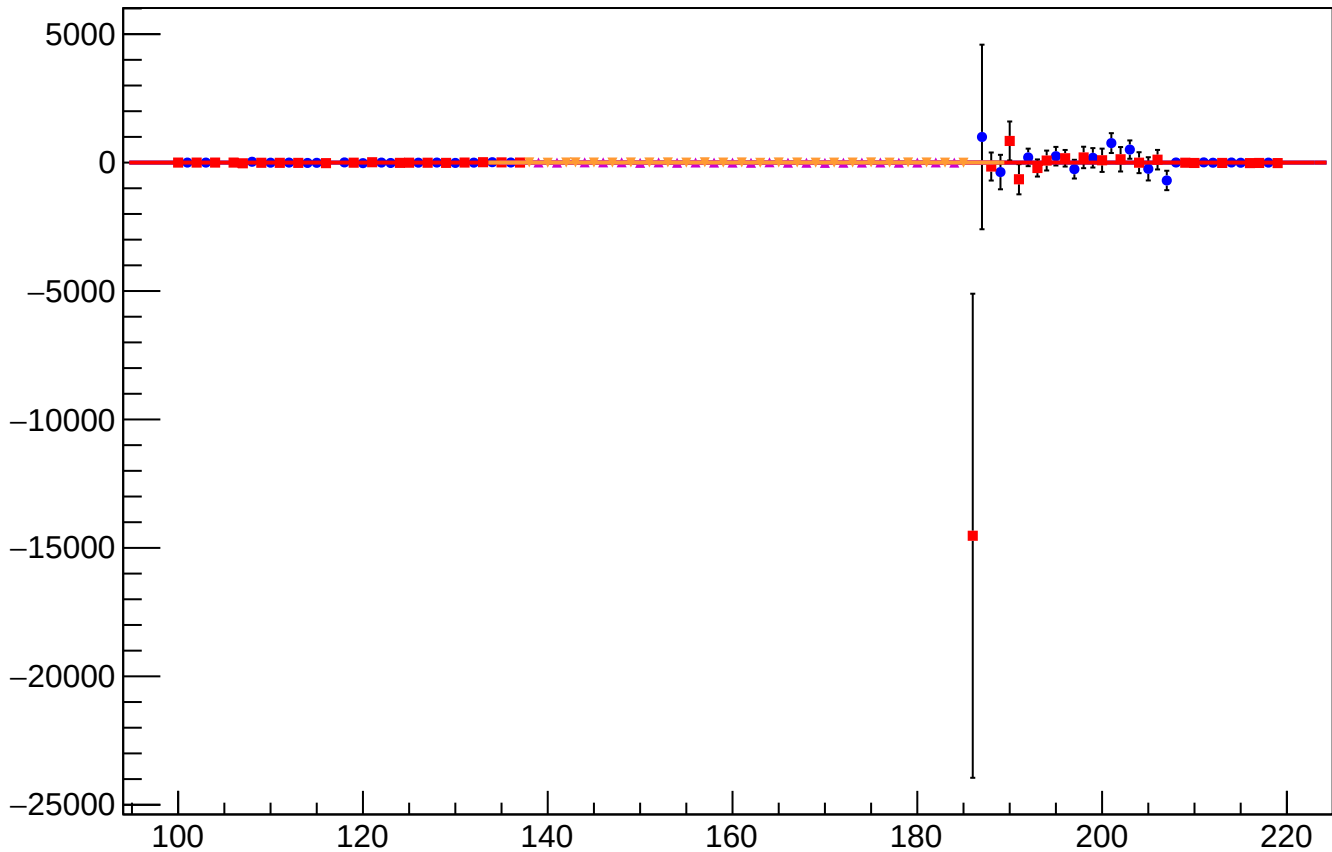
Left In: 12064.761 $\pm$ 2.062 χ^2 /NDF: 368452.5/22

+ sign 19.130 $\pm$ 0.012 χ^2 /NDF: 56360323.4/48

All: 18.901 $\pm$ 0.008 χ^2 /NDF: 110715173.3/96

- sign 18.705 $\pm$ 0.011 χ^2 /NDF: 54354202.9/47

diff_cav4bY_mean vs Slug



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

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 60.9/36

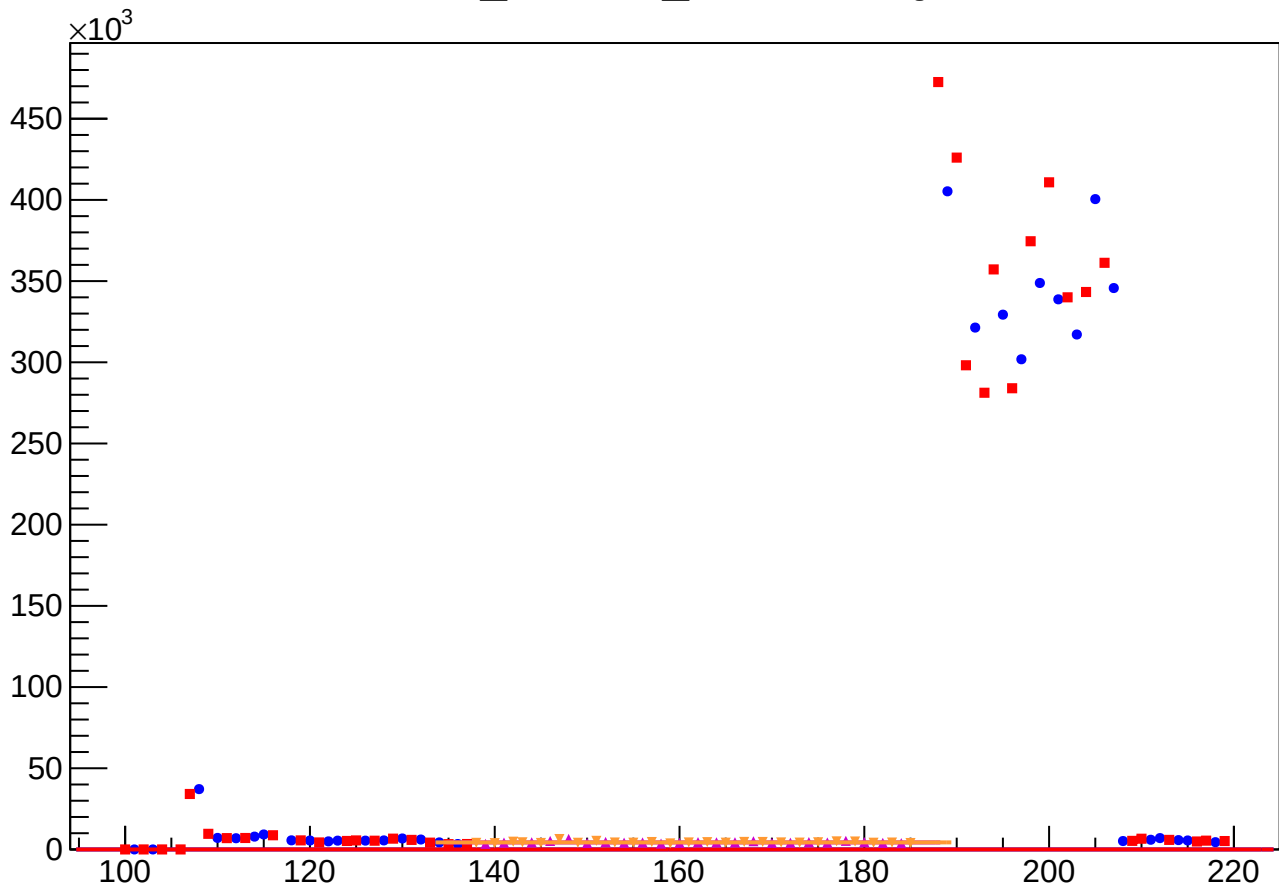
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

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

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 147.0/117

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 97.3/59

diff_cav4bY_rms vs Slug



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

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

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

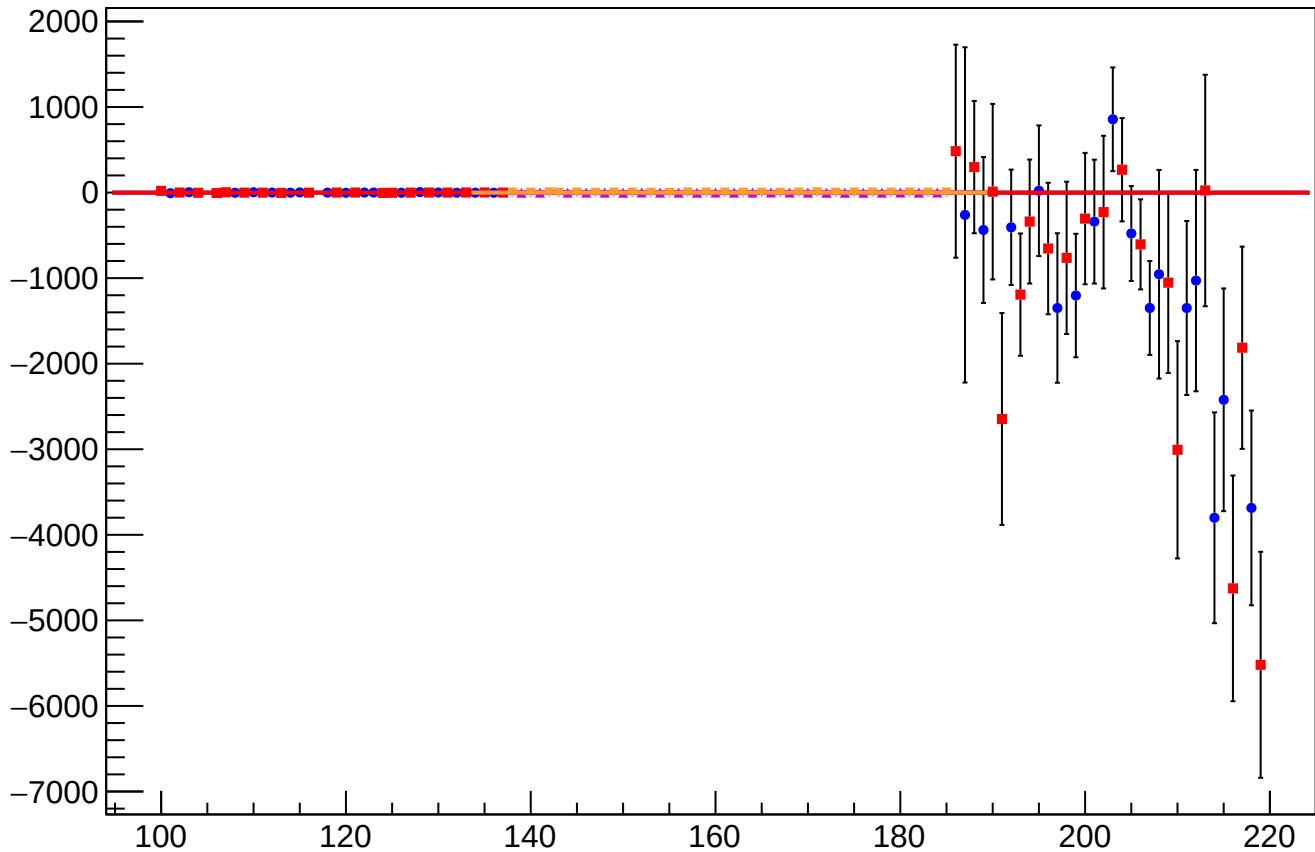
Left In: 4321.572+/-0.741 χ^2 /NDF:514603.2/22

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

All: 10.278+/-0.004 χ^2 /NDF: 138623145.0/1

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

diff_cav4cX_mean vs Slug



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

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

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

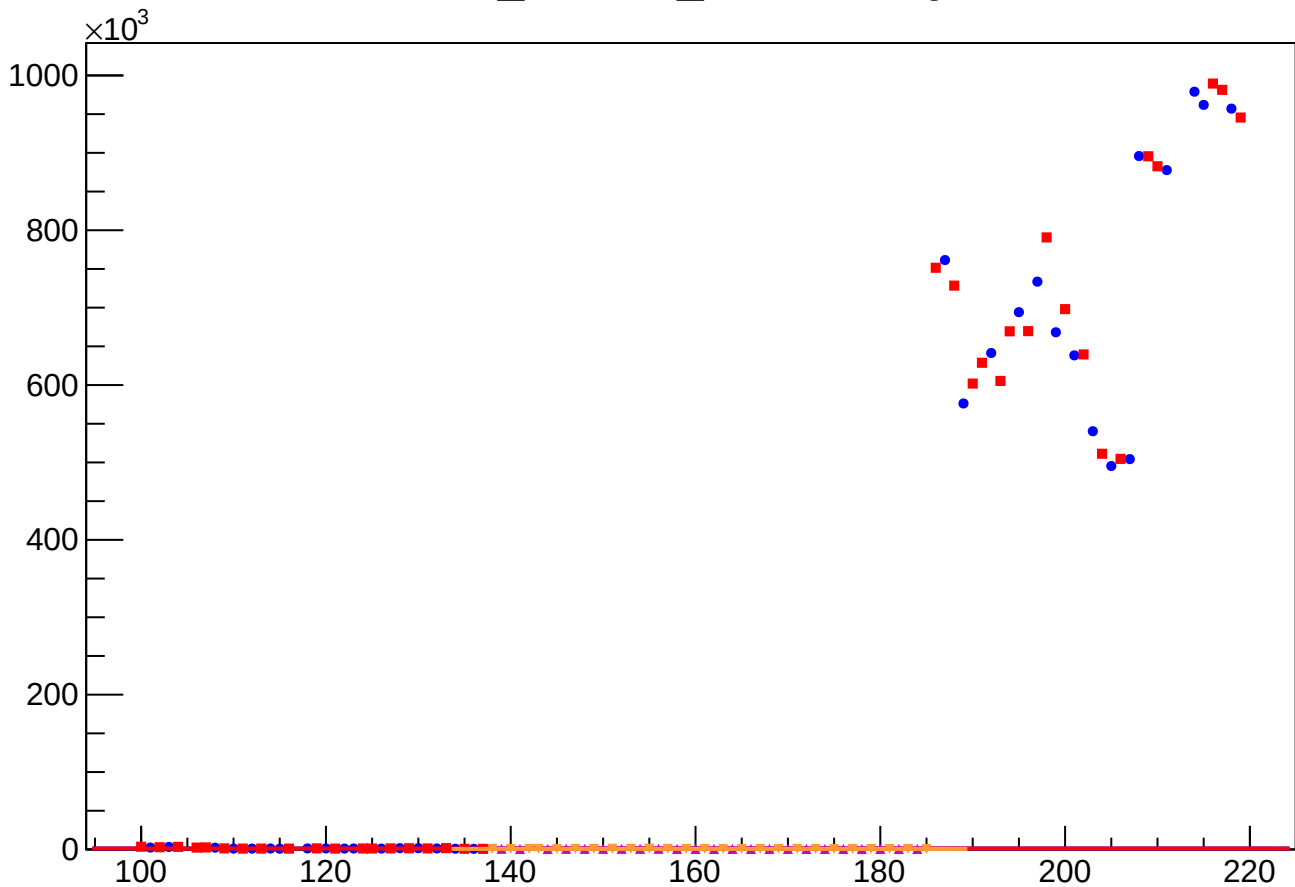
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

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

All: -0.439 ± 0.112 χ^2/NDF : 225.5/117

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

diff_cav4cX_rms vs Slug



Right In: 1170.295+/-0.342 χ^2/NDF : 19030163.2/31

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

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

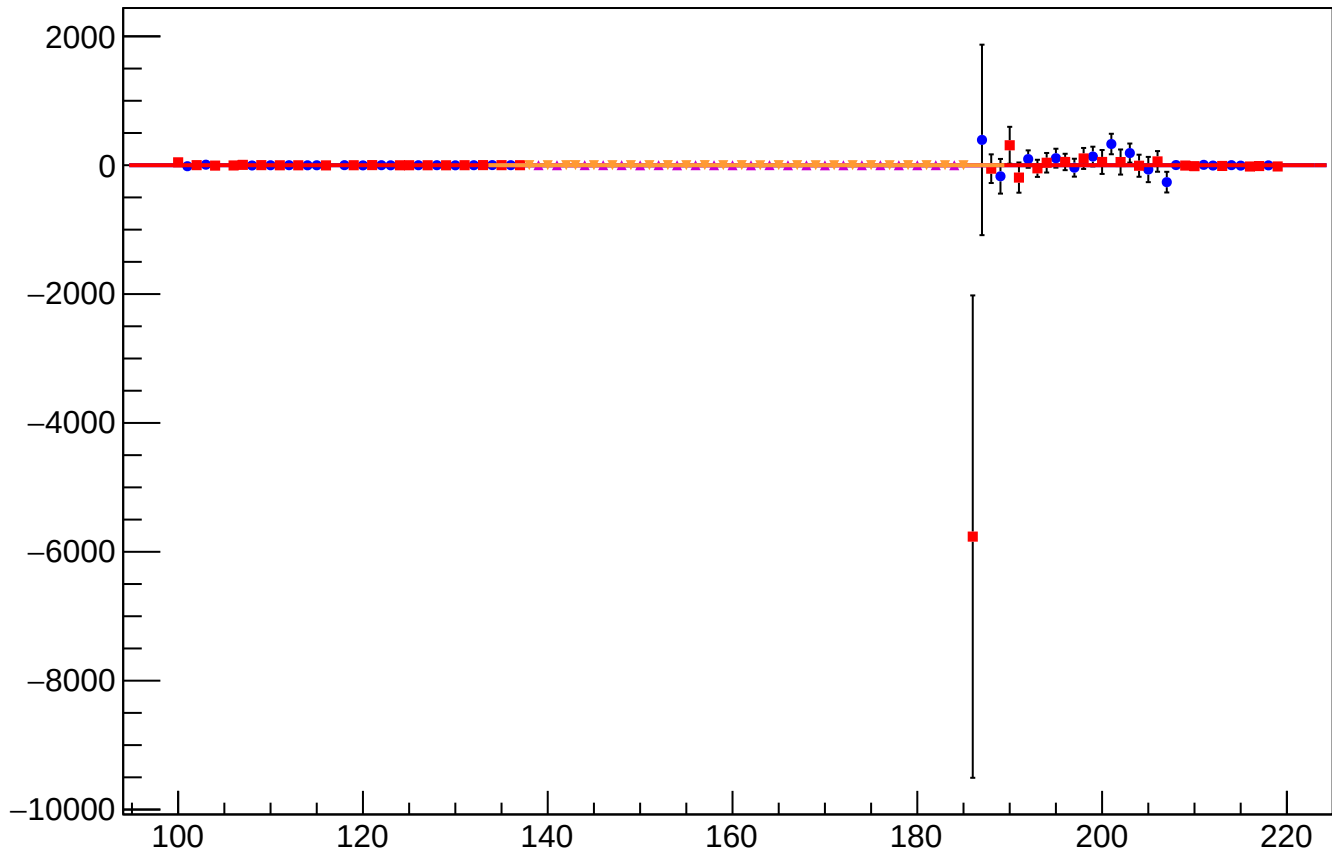
Left In: 706.971+/-0.121 χ^2/NDF : 332011.4/22

+ sign 749.782+/-0.110 χ^2/NDF : 21114071.1/56

All: 756.406+/-0.079 χ^2/NDF : 42960540.5/11

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

diff_cav4cY_mean vs Slug



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

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

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

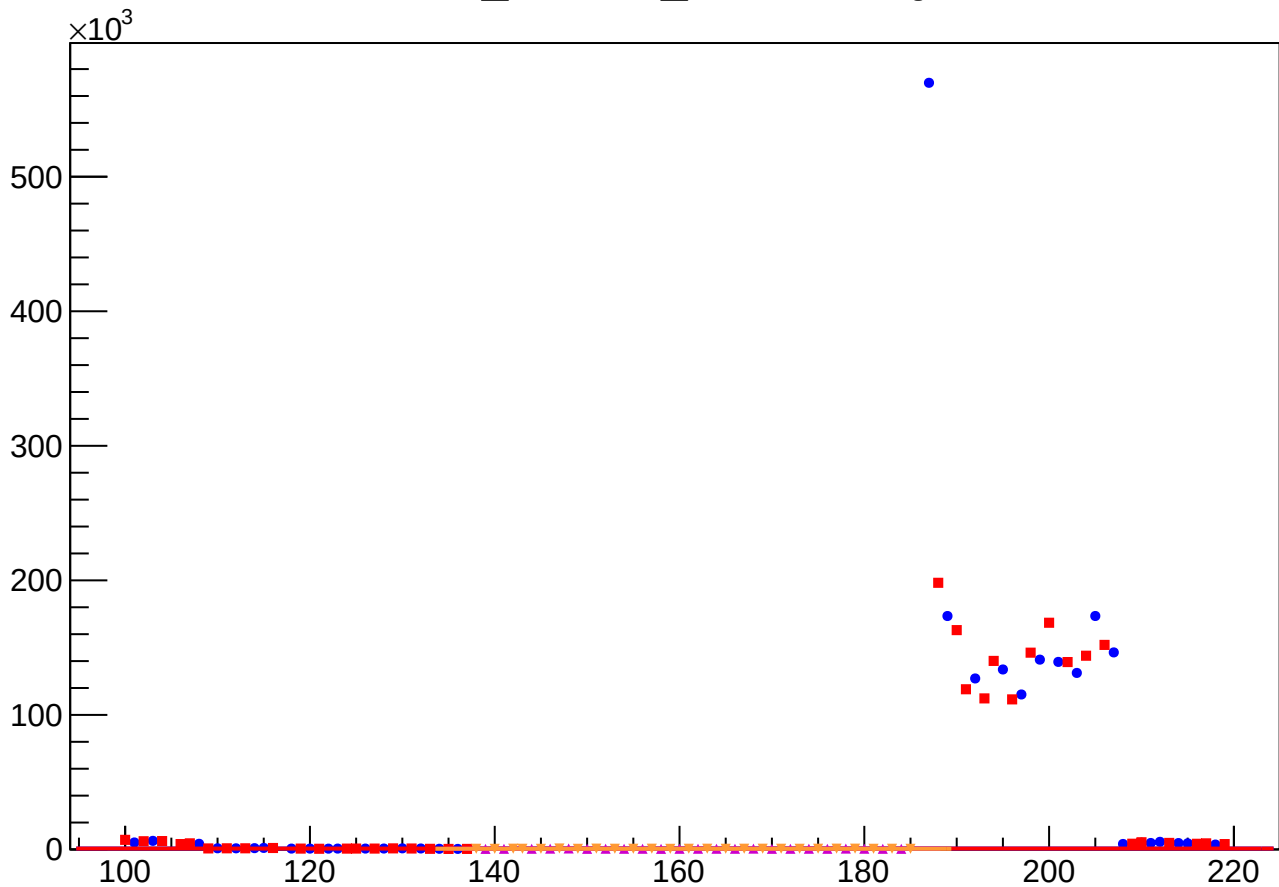
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

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

All: 0.147 ± 0.080 χ^2/NDF : 166.0/117

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

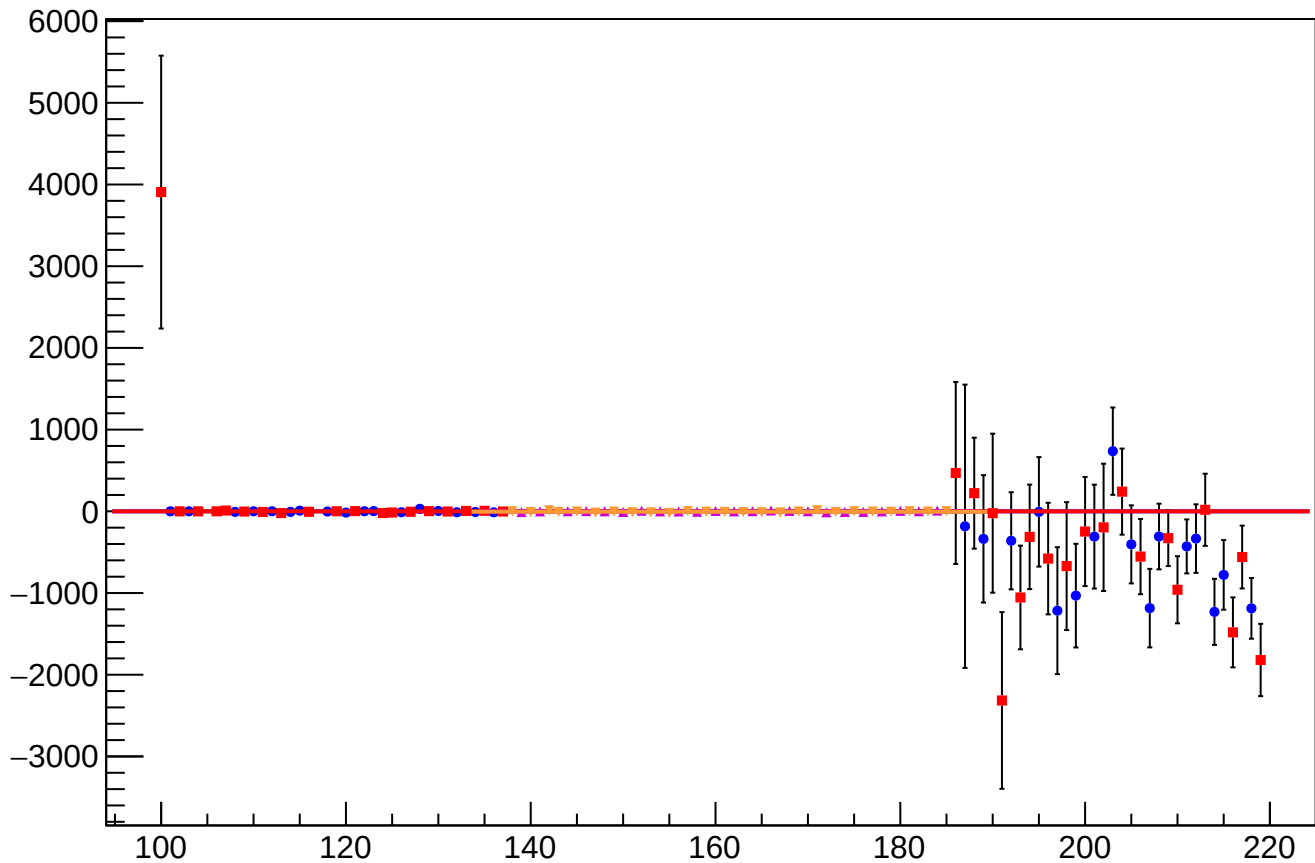
diff_cav4cY_rms vs Slug



Right In: 671.503 ± 0.189 χ^2/NDF : 23324666.8/32
 Left Out: 522.220 ± 0.087 χ^2/NDF : 330405.3/24
 Right Out: 660.662 ± 0.186 χ^2/NDF : 24822247.2/35
 Left In: 520.700 ± 0.089 χ^2/NDF : 427720.5/22

+ sign 548.230 ± 0.079 χ^2/NDF : 24171687.5/57
 All: 547.614 ± 0.056 χ^2/NDF : 49883953.2/11
 - sign 546.972 ± 0.080 χ^2/NDF : 25712140.9/58

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 56.3/32

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

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

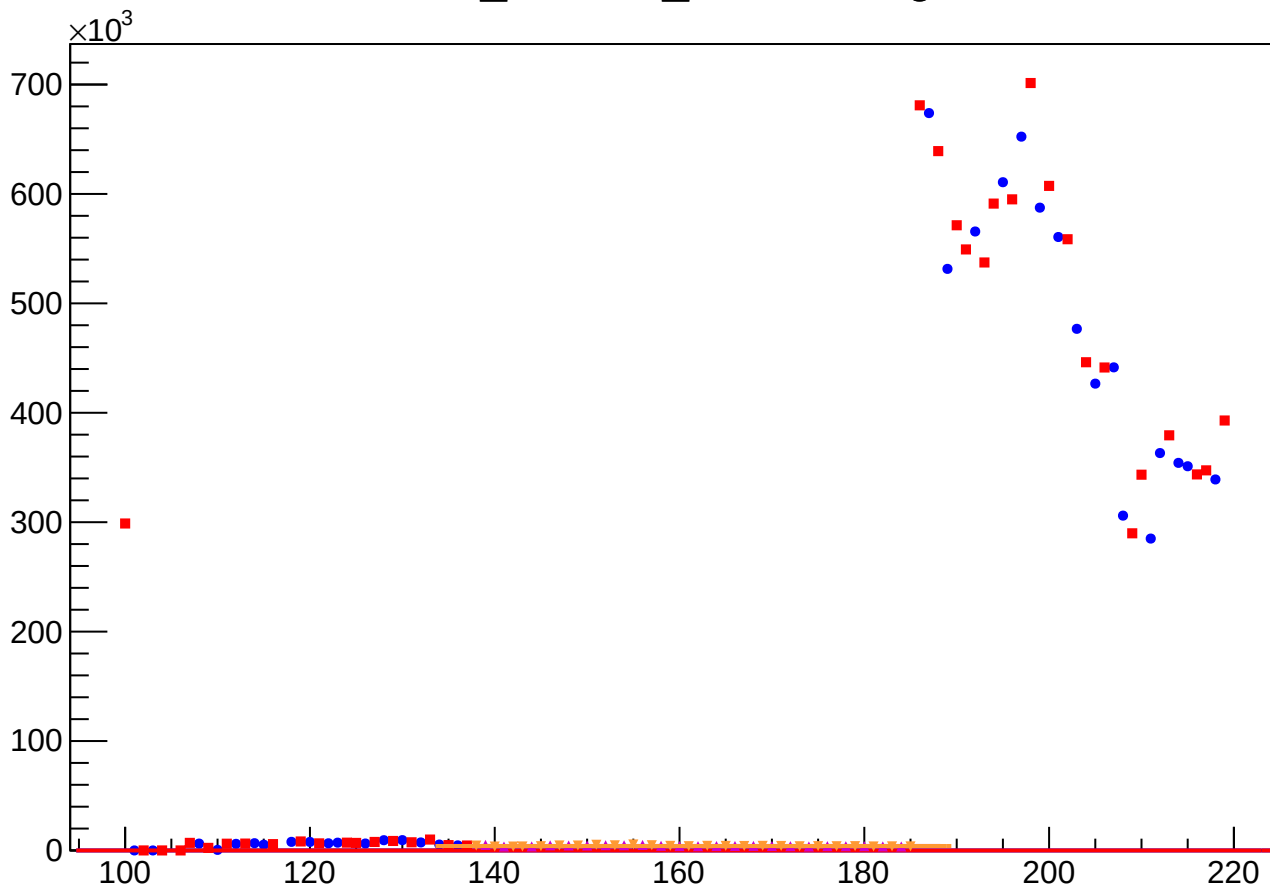
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

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

All: -0.025 ± 0.014 χ^2/NDF : 231.9/117

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

diff_cav4dX_rms vs Slug



Right In: 17.351 $\pm$ 0.015 χ^2 /NDF: 33419460.6/32

Left Out: 4075.147 $\pm$ 0.677 χ^2 /NDF:417511.0/24

Right Out: 17.278 $\pm$ 0.014 χ^2 /NDF: 35504248.8/36

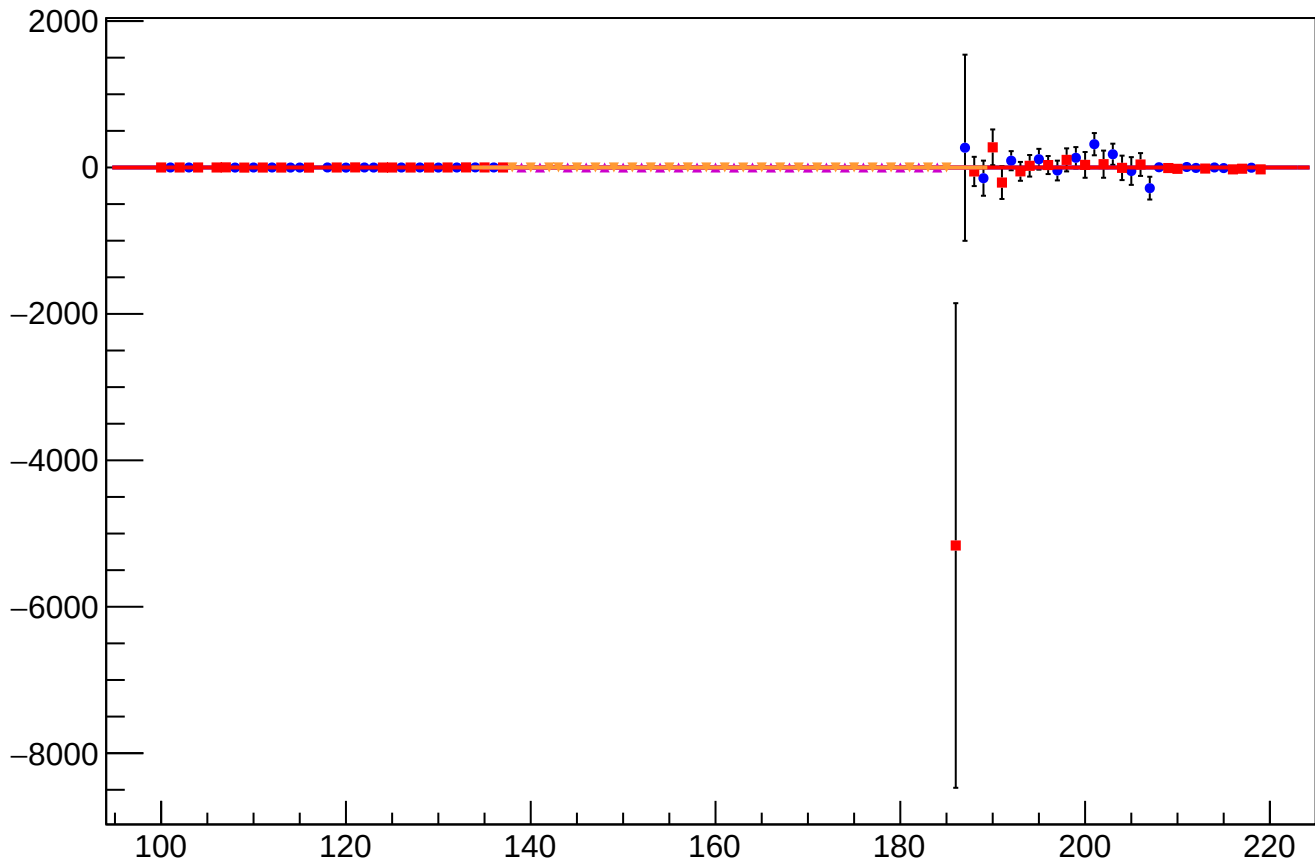
Left In: 4113.993 $\pm$ 0.703 χ^2 /NDF:349160.6/22

+ sign 19.265 $\pm$ 0.015 χ^2 /NDF: 69769426.0/57

All: 19.073 $\pm$ 0.010 χ^2 /NDF: 139578970.9/11

- sign 18.899 $\pm$ 0.014 χ^2 /NDF: 69809218.8/59

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 29.0/32

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

Right Out: 0.001 ± 0.002 χ^2/NDF : 80.1/36

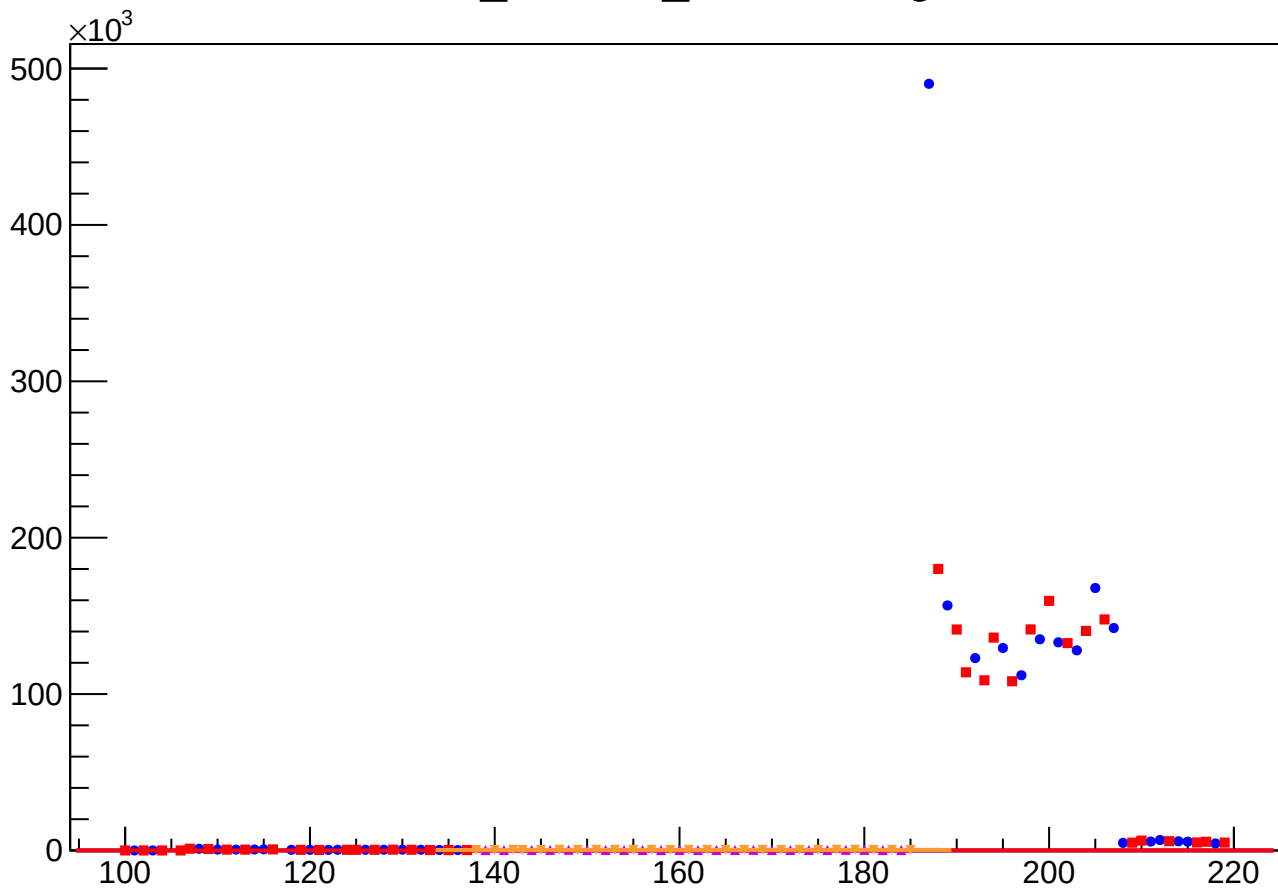
Left In: 0.080 ± 0.079 χ^2/NDF : 34.6/22

+ sign 0.000 ± 0.002 χ^2/NDF : 50.0/57

All: 0.001 ± 0.001 χ^2/NDF : 165.8/117

- sign 0.001 ± 0.002 χ^2/NDF : 115.7/59

diff_cav4dY_rms vs Slug



Right In: 1.702 ± 0.001 χ^2/NDF : 33617984.4/32

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

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

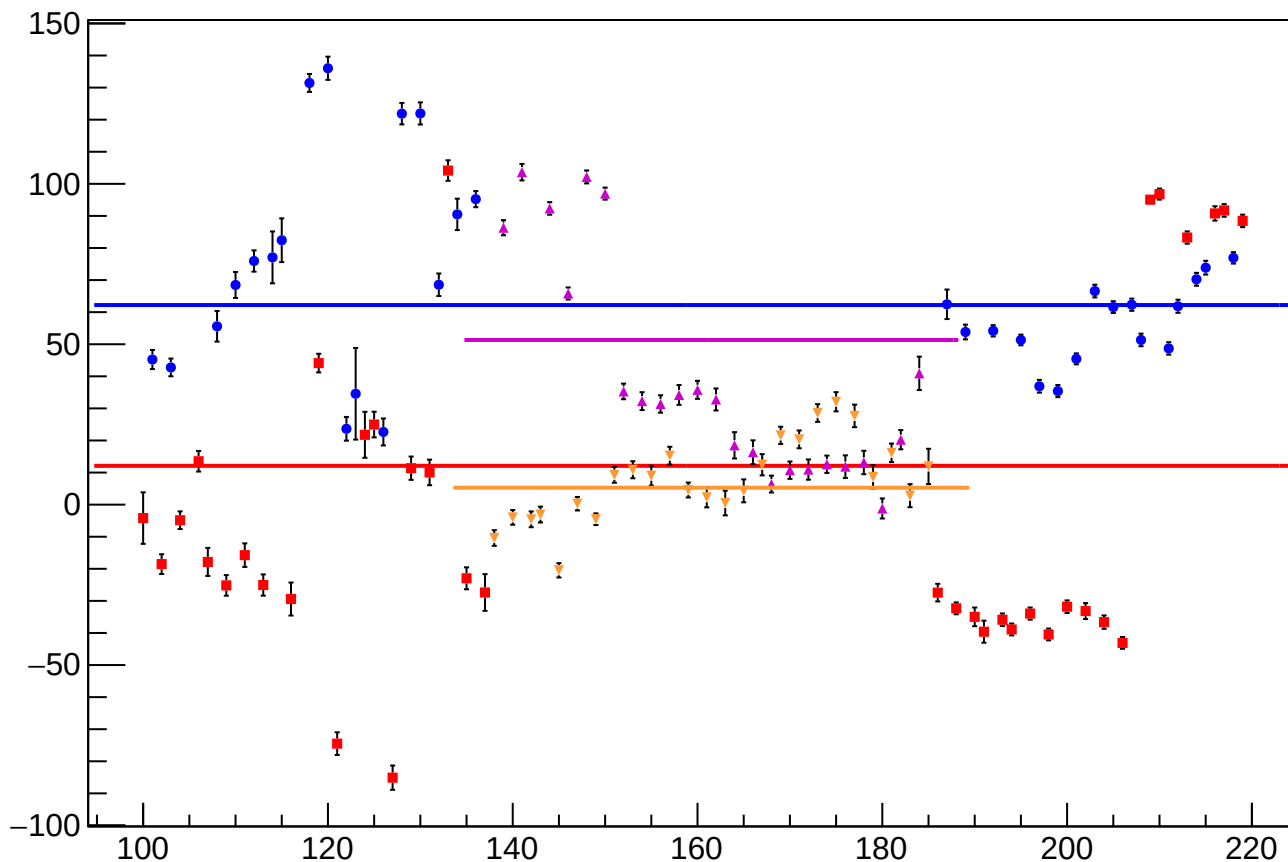
Left In: 325.626 ± 0.056 χ^2/NDF : 413350.0/22

+ sign 1.930 ± 0.001 χ^2/NDF : 69829129.8/57

All: 1.928 ± 0.001 χ^2/NDF : 138408363.5/116

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

diff_bpm0i01X_mean vs Slug



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

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

Right Out: 12.102 $\pm$ 0.408 χ^2 /NDF: 21415.0/36

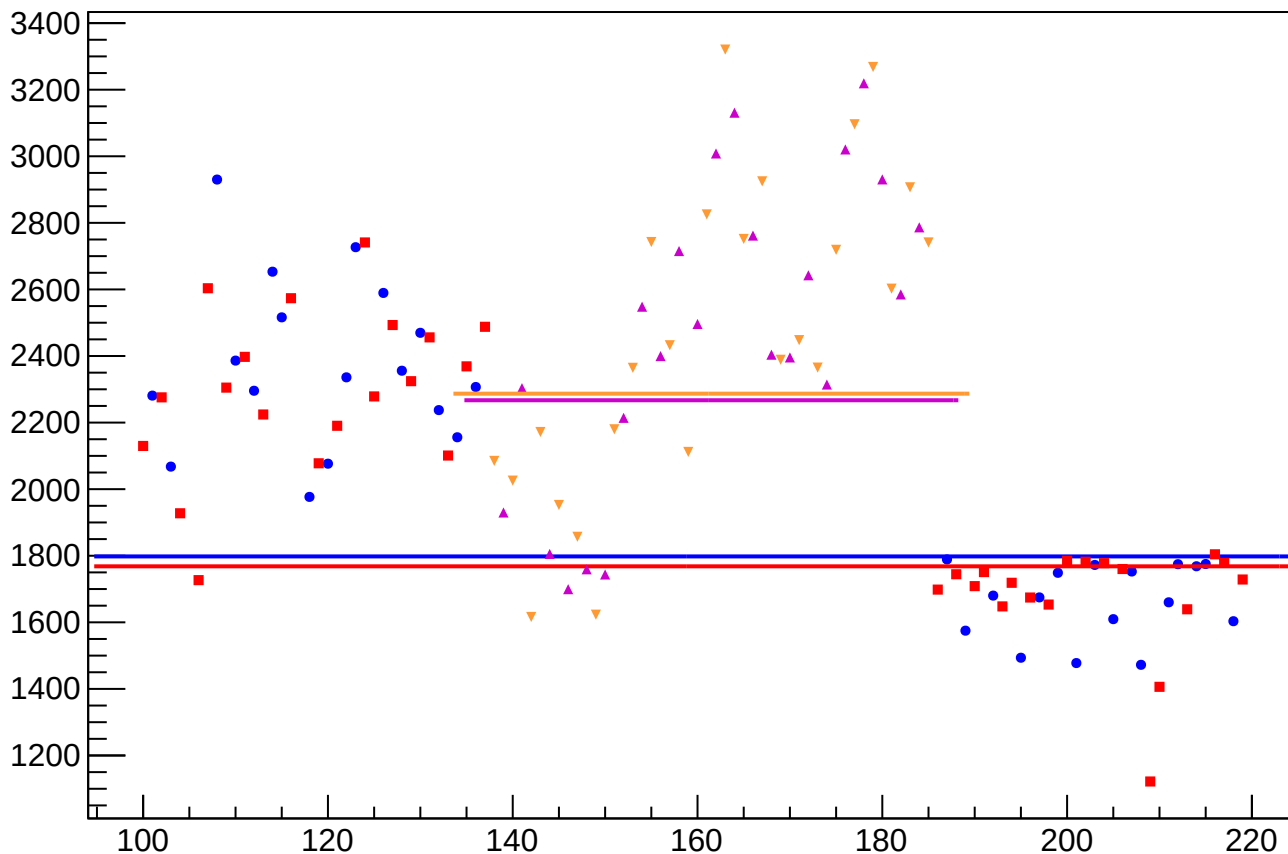
Left In: 51.328 $\pm$ 0.558 χ^2 /NDF:4257.8/22

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

All: 32.908 $\pm$ 0.236 χ^2 /NDF: 40071.0/117

- sign 25.757 $\pm$ 0.329 χ^2 /NDF: 28890.2/59

diff_bpm0i01X_rms vs Slug



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

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

Right Out: 1768.202 $\pm$ 0.289 χ^2 /NDF: 1358616.3/36

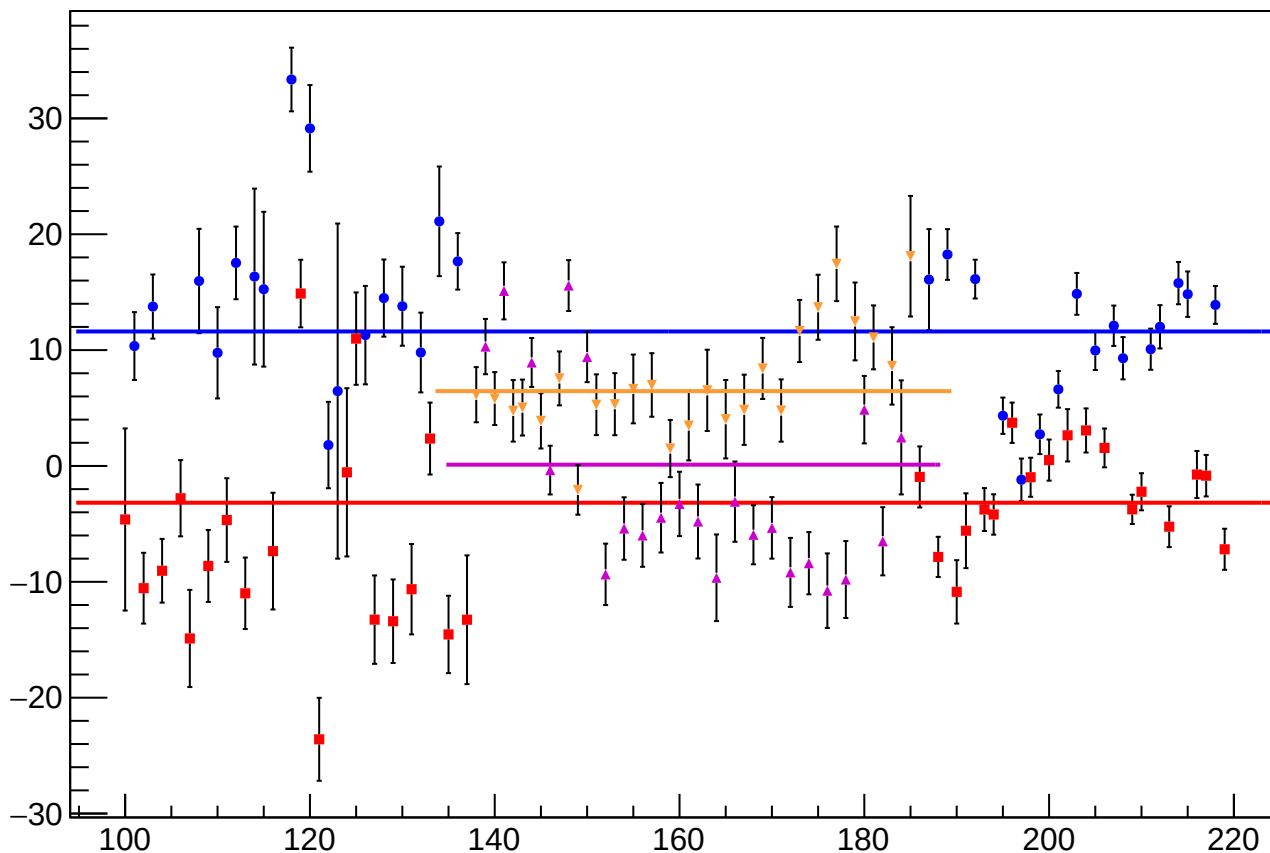
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

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

All: 1963.150 $\pm$ 0.167 χ^2 /NDF: 7085648.9/11

- sign 1941.872 $\pm$ 0.233 χ^2 /NDF: 3712872.4/59

diff_bpm0i01Y_mean vs Slug



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

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

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

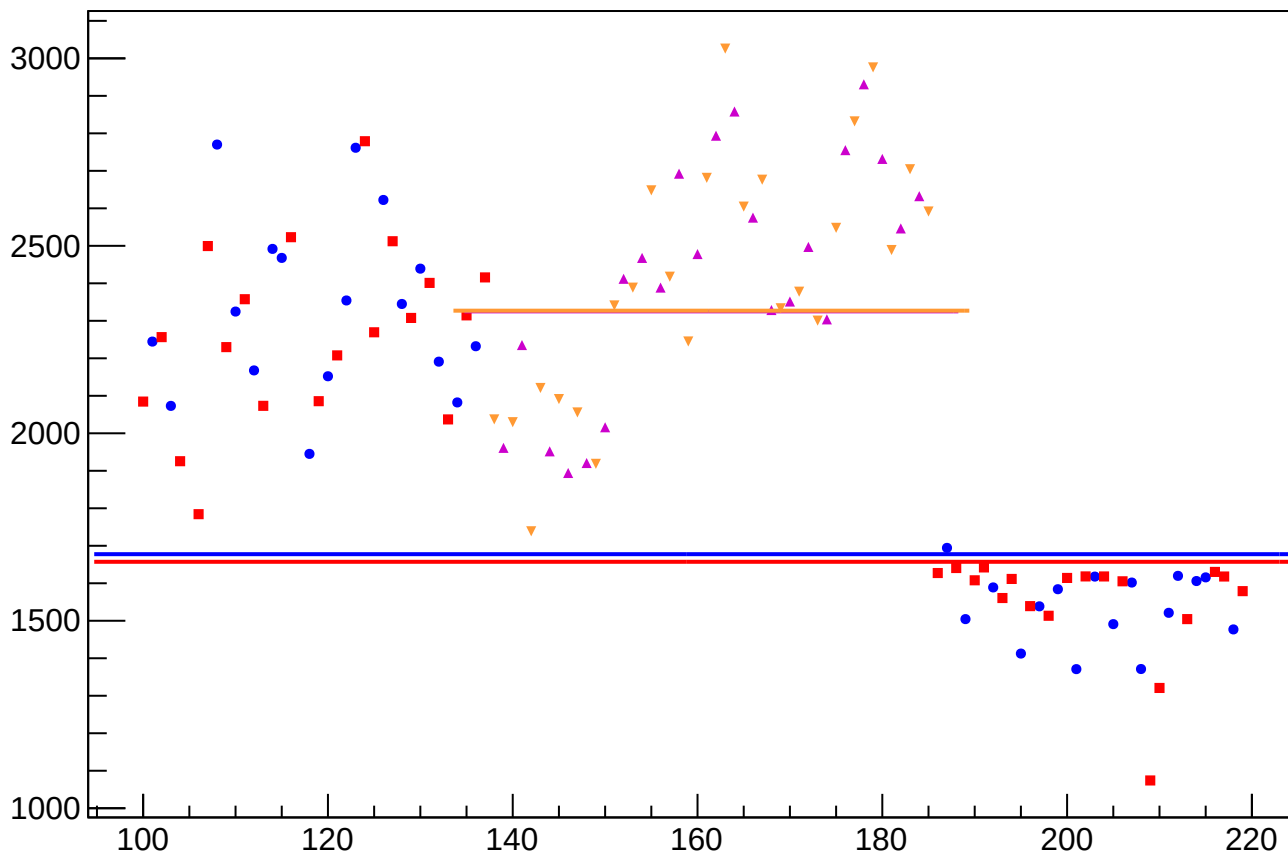
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

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

All: 3.712 ± 0.227 χ^2/NDF : 1543.0/117

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

diff_bpm0i01Y_rms vs Slug



Right In: 1677.595 $\pm$ 0.284 χ^2 /NDF: 1265181.6/32

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

Right Out: 1657.283 $\pm$ 0.271 χ^2 /NDF: 1563136.8/36

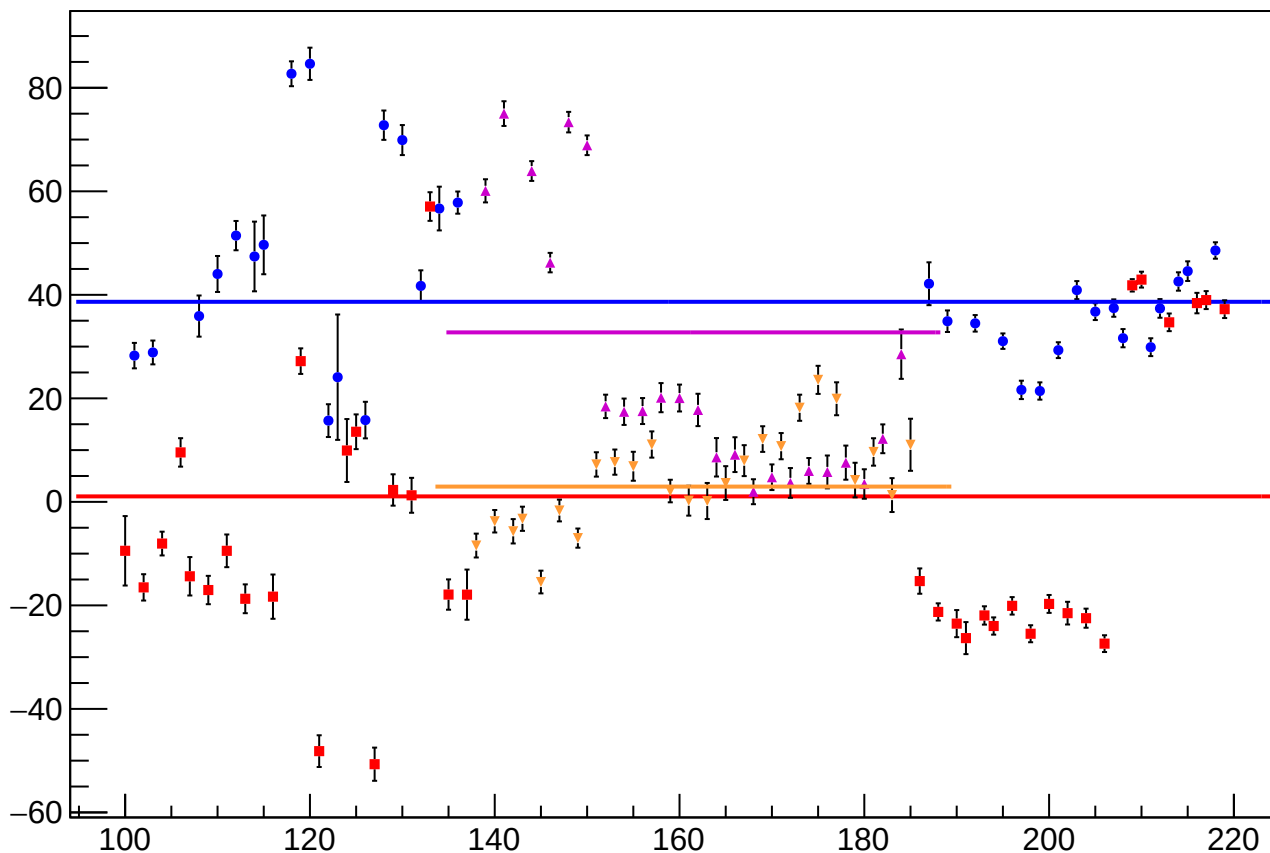
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 1904.606 $\pm$ 0.229 χ^2 /NDF: 3741990.1/57

All: 1885.746 $\pm$ 0.160 χ^2 /NDF: 7842632.1/11

- sign 1867.642 $\pm$ 0.224 χ^2 /NDF: 4087337.7/59

diff_bpm0i01aX_mean vs Slug



Right In: 38.653 $\pm$ 0.377 χ^2/NDF : 1446.5/32

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

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

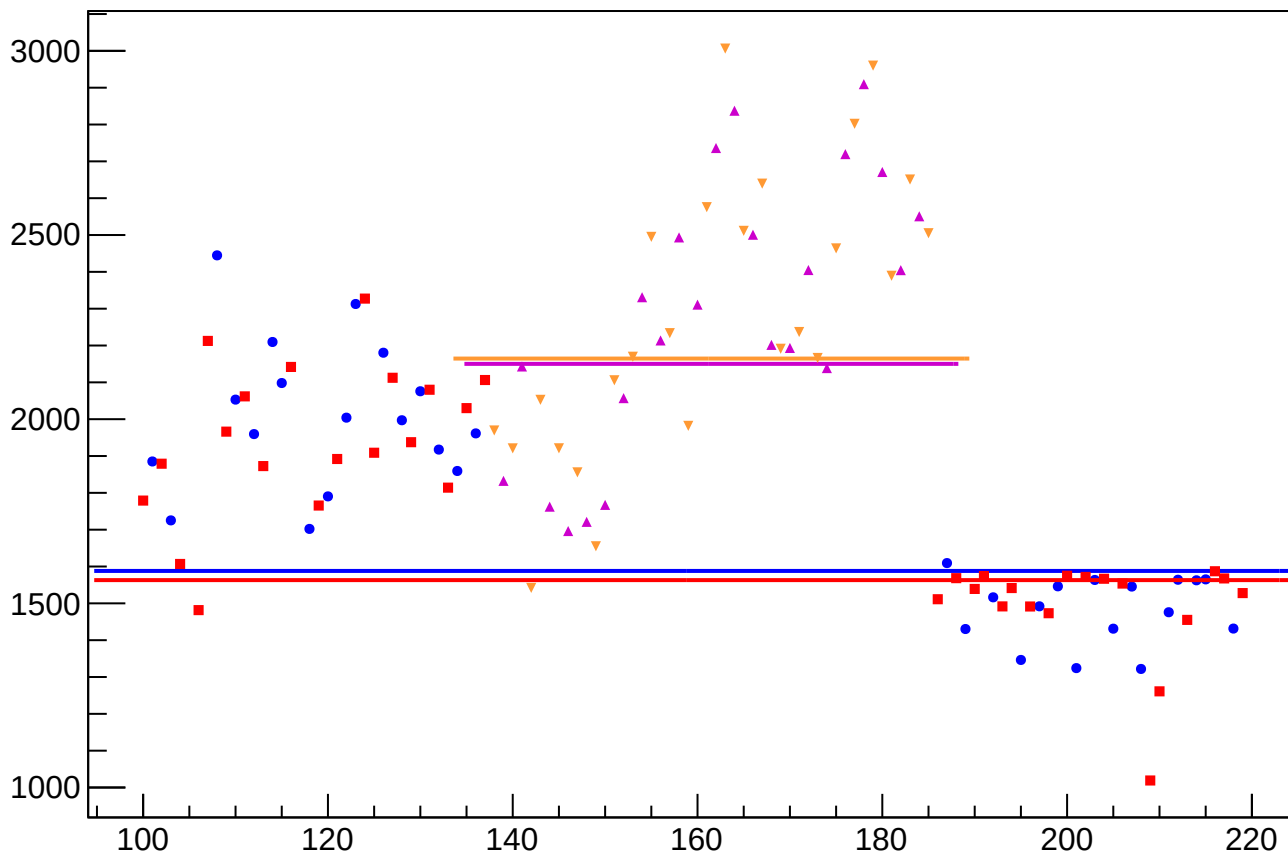
Left In: 32.745 $\pm$ 0.526 χ^2/NDF : 2632.5/22

+ sign 26.082 $\pm$ 0.304 χ^2/NDF : 4935.3/57

All: 18.431 $\pm$ 0.212 χ^2/NDF : 18110.7/117

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

diff_bpm0i01aX_rms vs Slug



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

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

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

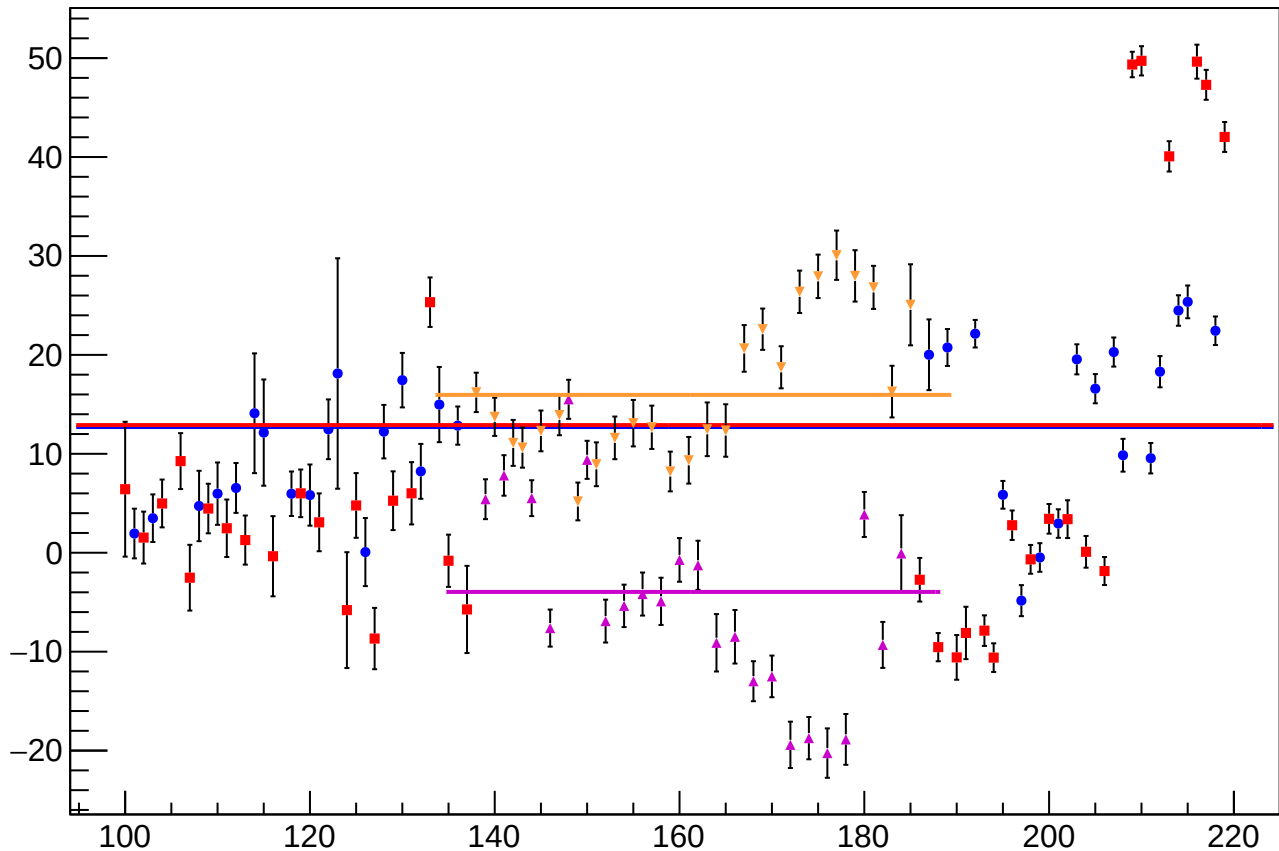
Left In: 2150.190 $\pm$ 0.372 χ^2 /NDF: 911849.7/22

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

All: 1769.899 $\pm$ 0.150 χ^2 /NDF: 7084889.7/11

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

diff_bpm0i01aY_mean vs Slug



Right In: 12.708 ± 0.342 χ^2/NDF : 664.5/32

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

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

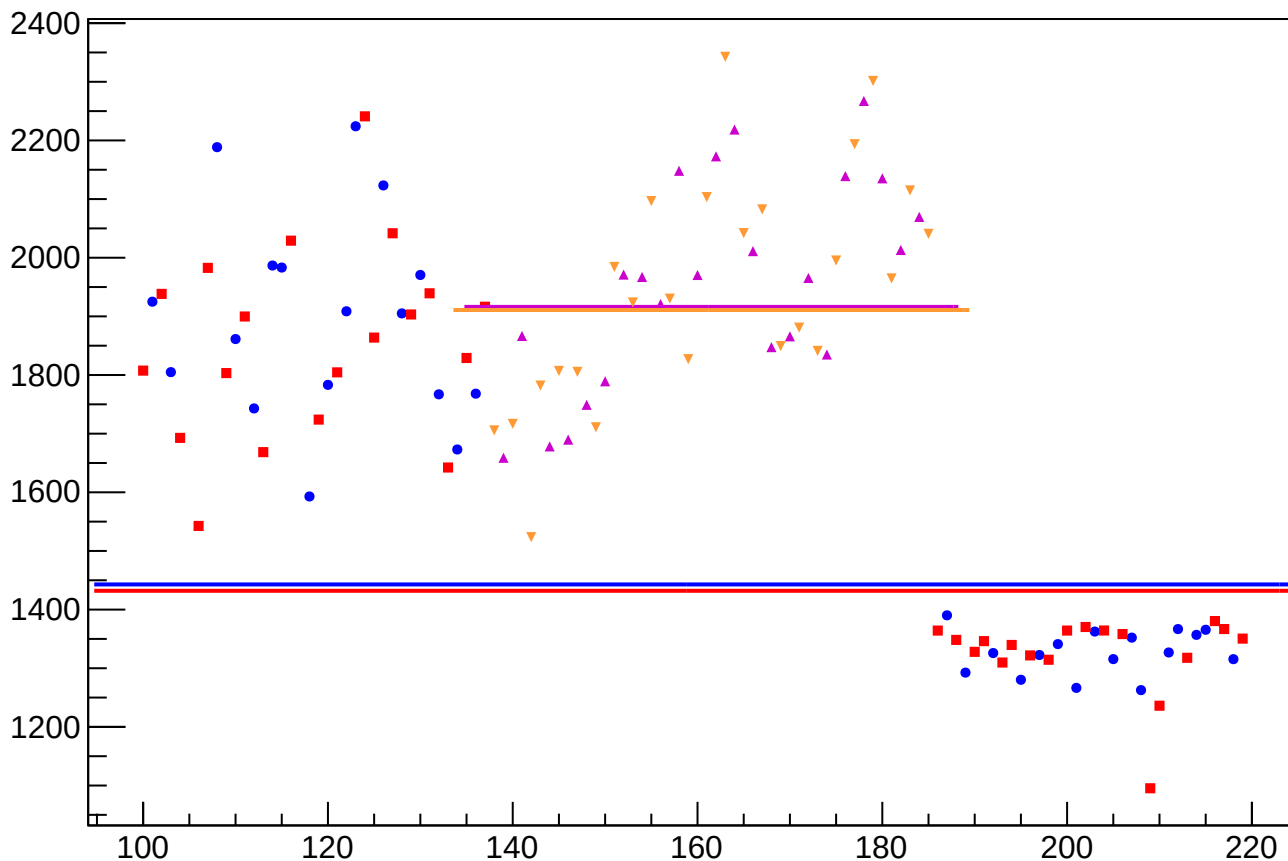
Left In: -3.960 ± 0.463 χ^2/NDF : 464.9/22

+ sign 13.907 ± 0.272 χ^2/NDF : 943.0/57

All: 10.534 ± 0.191 χ^2/NDF : 7230.7/117

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

diff_bpm0i01aY_rms vs Slug



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

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

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

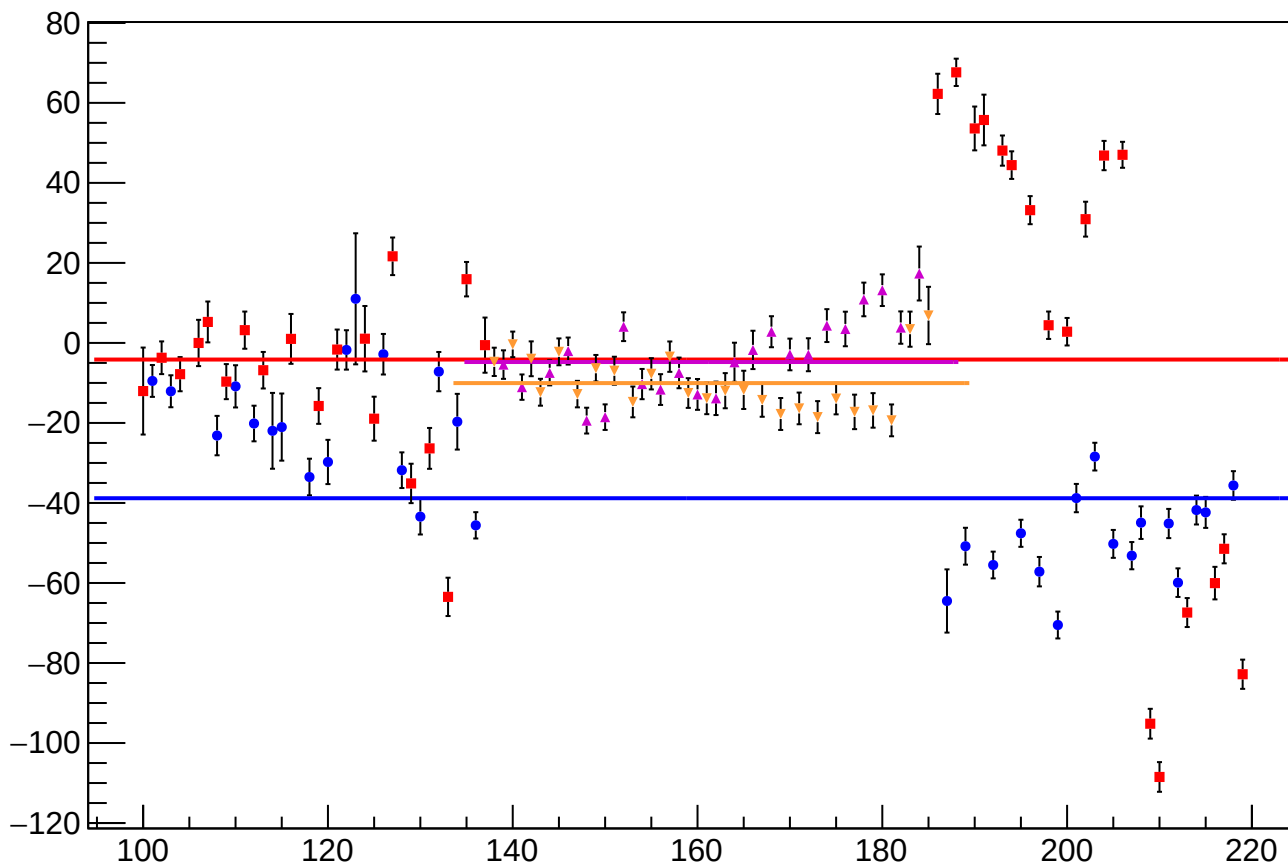
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

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

All: 1604.644 $\pm$ 0.135 χ^2 /NDF: 5330114.1/11

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

diff_bpm0l01X_mean vs Slug



Right In: -38.817 ± 0.732 χ^2/NDF : 582.4/32

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

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

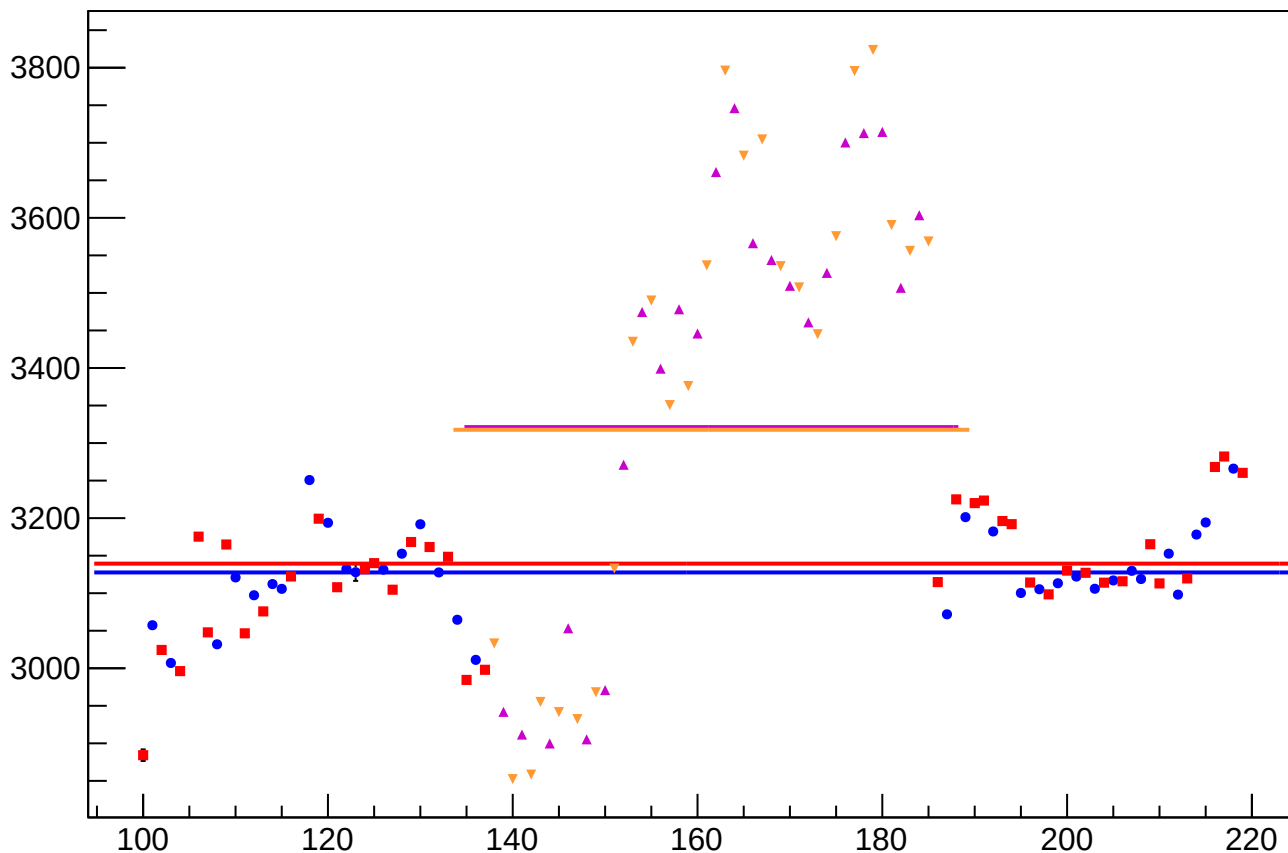
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -25.280 ± 0.532 χ^2/NDF : 1377.1/57

All: -14.821 ± 0.376 χ^2/NDF : 6917.4/117

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

diff_bpm0l01X_rms vs Slug



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

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

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

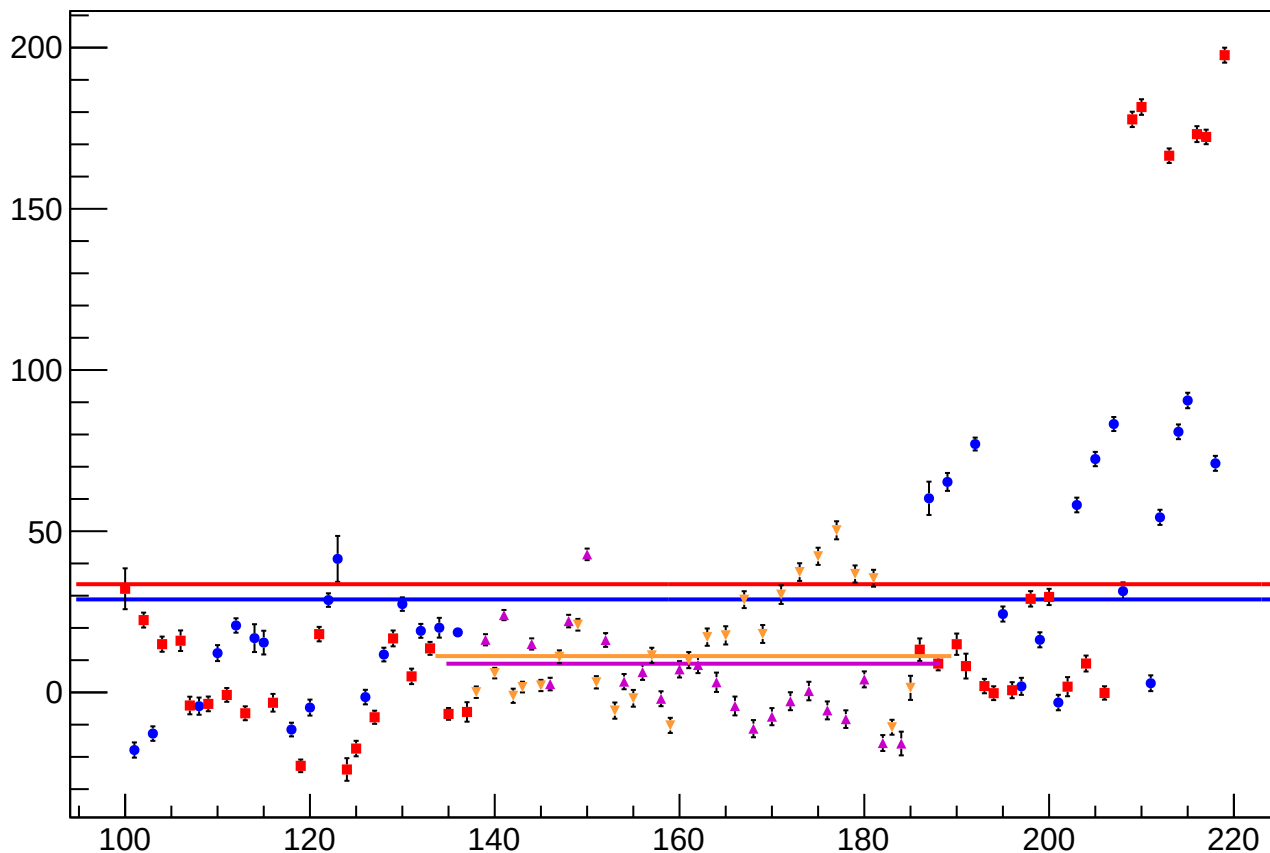
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF: 284334.2/22

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

All: 3218.217 $\pm$ 0.266 χ^2 /NDF: 778651.6/117

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

diff_bpm0l01Y_mean vs Slug



Right In: 28.847 ± 0.411 $\chi^2/\text{NDF}: 5862.2/32$

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

Right Out: 33.563 ± 0.398 $\chi^2/\text{NDF}: 28456.5/36$

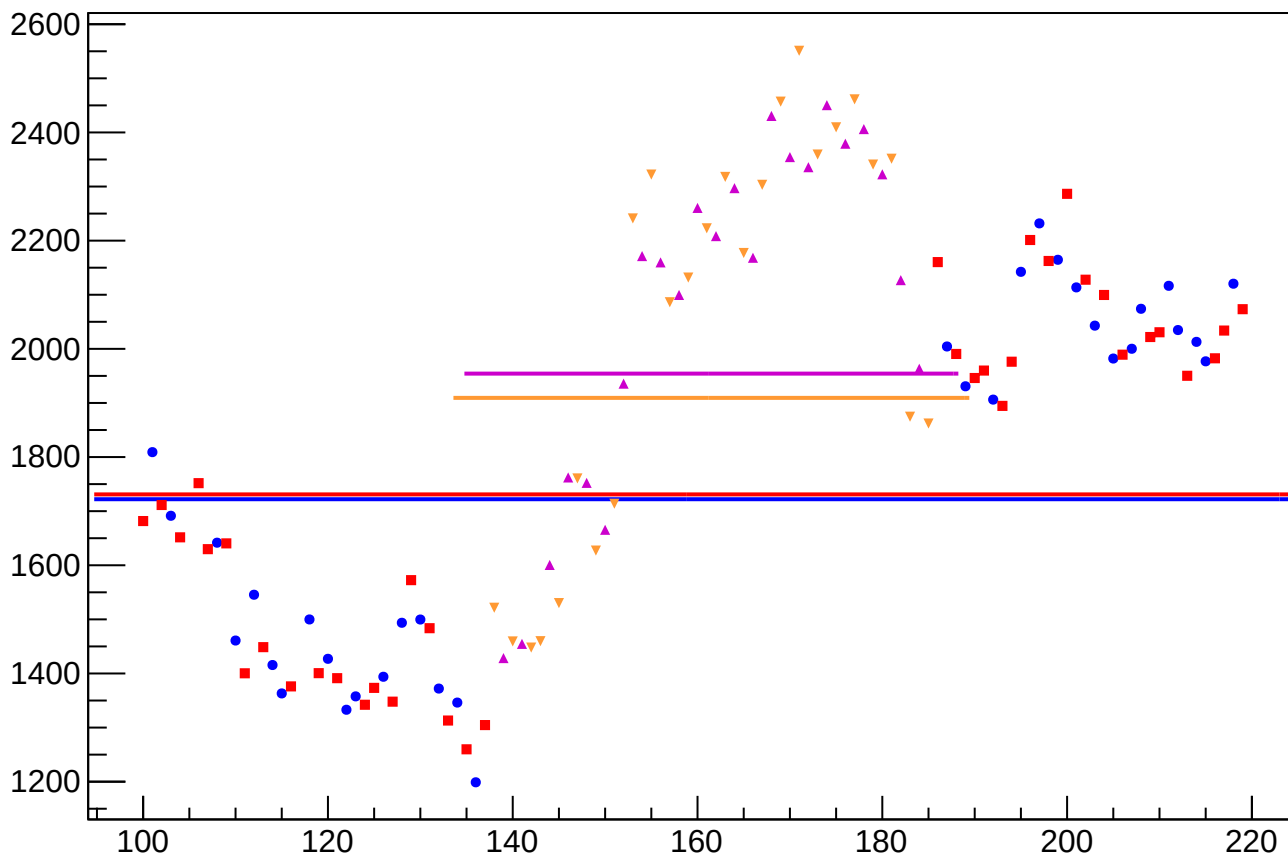
Left In: 8.905 ± 0.478 $\chi^2/\text{NDF}: 936.3/22$

+ sign 20.937 ± 0.305 $\chi^2/\text{NDF}: 7827.4/57$

All: 22.189 ± 0.216 $\chi^2/\text{NDF}: 38826.8/117$

- sign 23.449 ± 0.306 $\chi^2/\text{NDF}: 30965.5/59$

diff_bpm0l01Y_rms vs Slug



Right In: 1722.074 $\pm$ 0.291 χ^2 /NDF: 1312481.1/32

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

Right Out: 1730.983 $\pm$ 0.282 χ^2 /NDF: 1292740.7/36

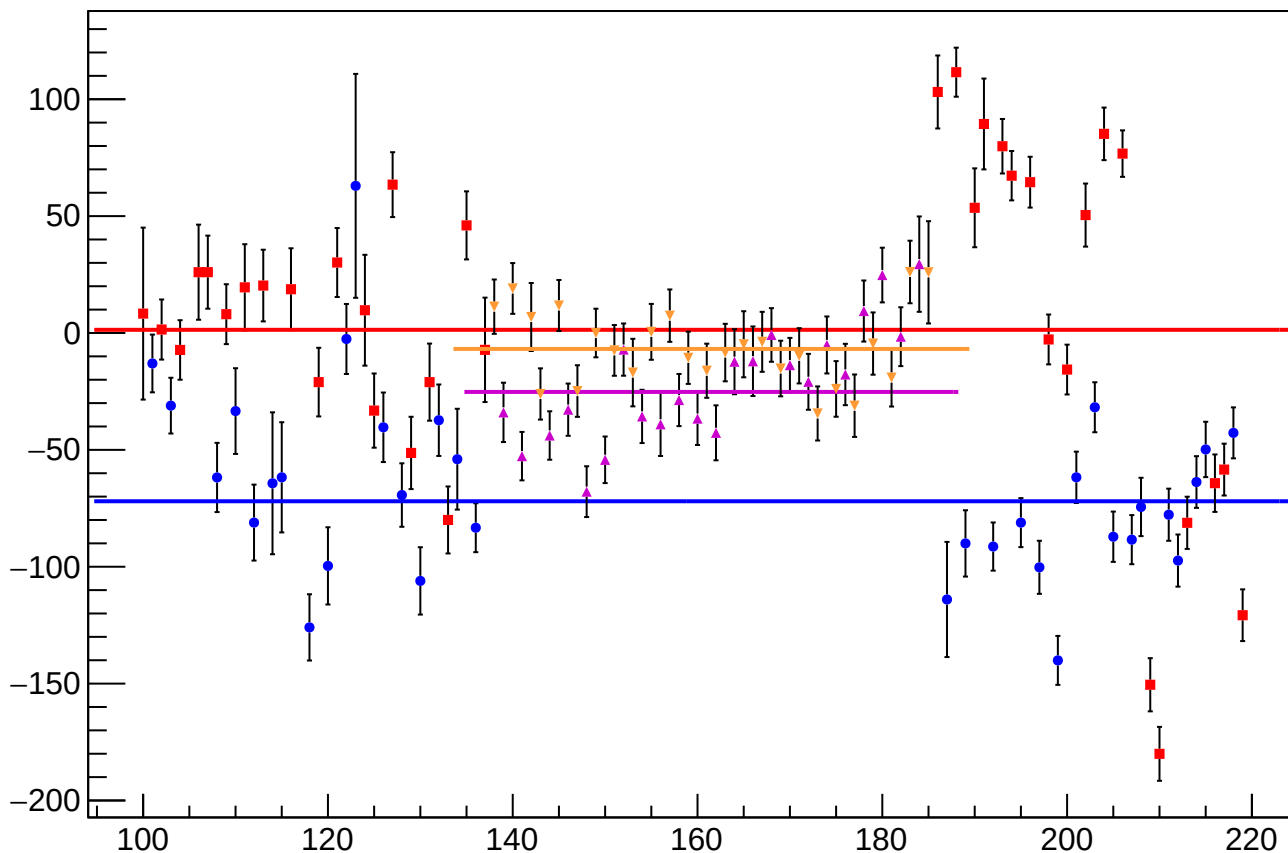
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

+ sign 1806.355 $\pm$ 0.216 χ^2 /NDF: 2897945.6/57

All: 1814.426 $\pm$ 0.153 χ^2 /NDF: 5496182.1/11

- sign 1822.553 $\pm$ 0.216 χ^2 /NDF: 2595421.8/59

diff_bpm0l02X_mean vs Slug



Right In: -71.988 ± 2.266 $\chi^2/\text{NDF}: 197.4/32$

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

Right Out: 1.357 ± 2.198 $\chi^2/\text{NDF}: 1184.2/36$

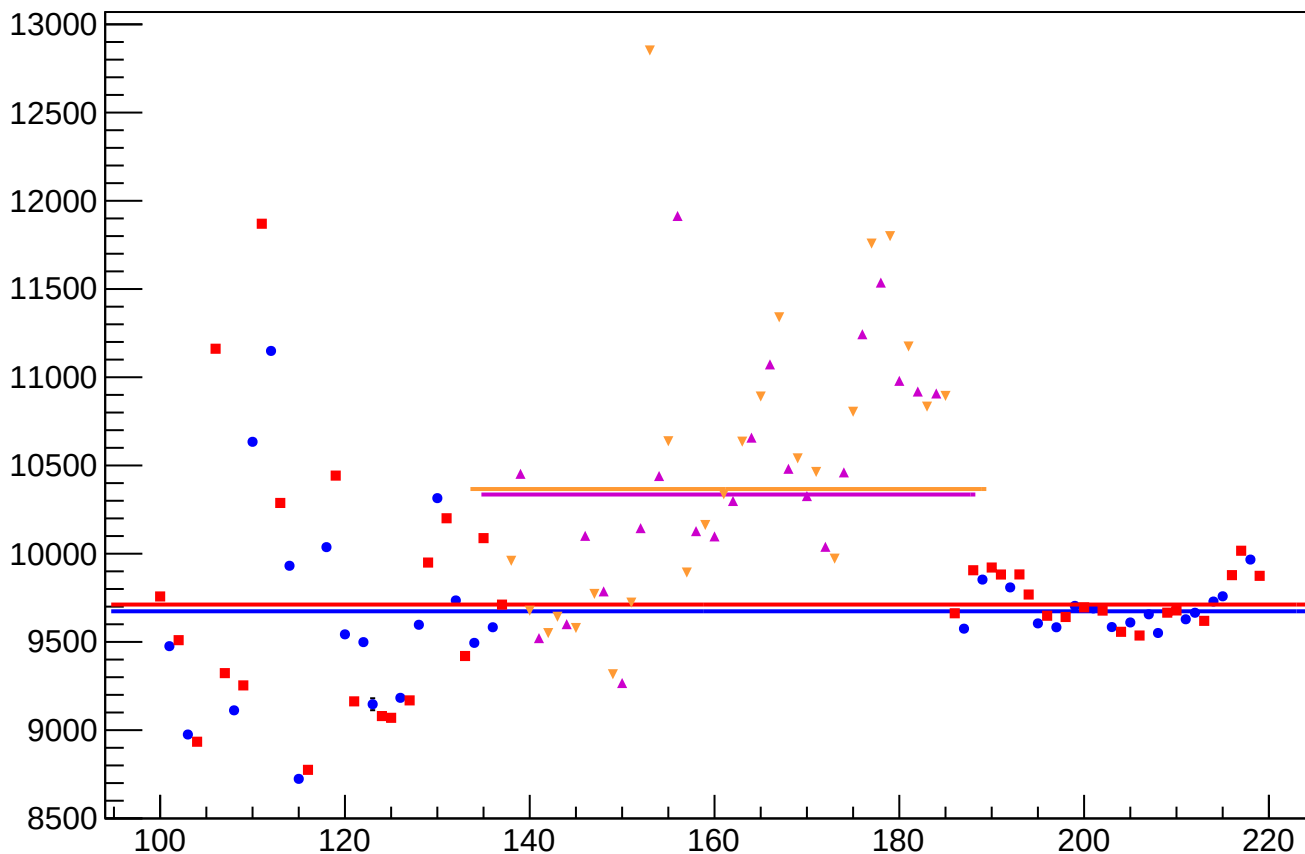
Left In: -25.215 ± 2.487 $\chi^2/\text{NDF}: 89.3/22$

+ sign -41.574 ± 1.655 $\chi^2/\text{NDF}: 625.6/57$

All: -25.855 ± 1.167 $\chi^2/\text{NDF}: 2142.7/117$

- sign -10.295 ± 1.647 $\chi^2/\text{NDF}: 1337.6/59$

diff_bpm0l02X_rms vs Slug



Right In: 9673.608+/-1.603 χ^2/NDF : 47073.3/32

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

Right Out: 9711.794+/-1.554 χ^2/NDF : 82999.7/36

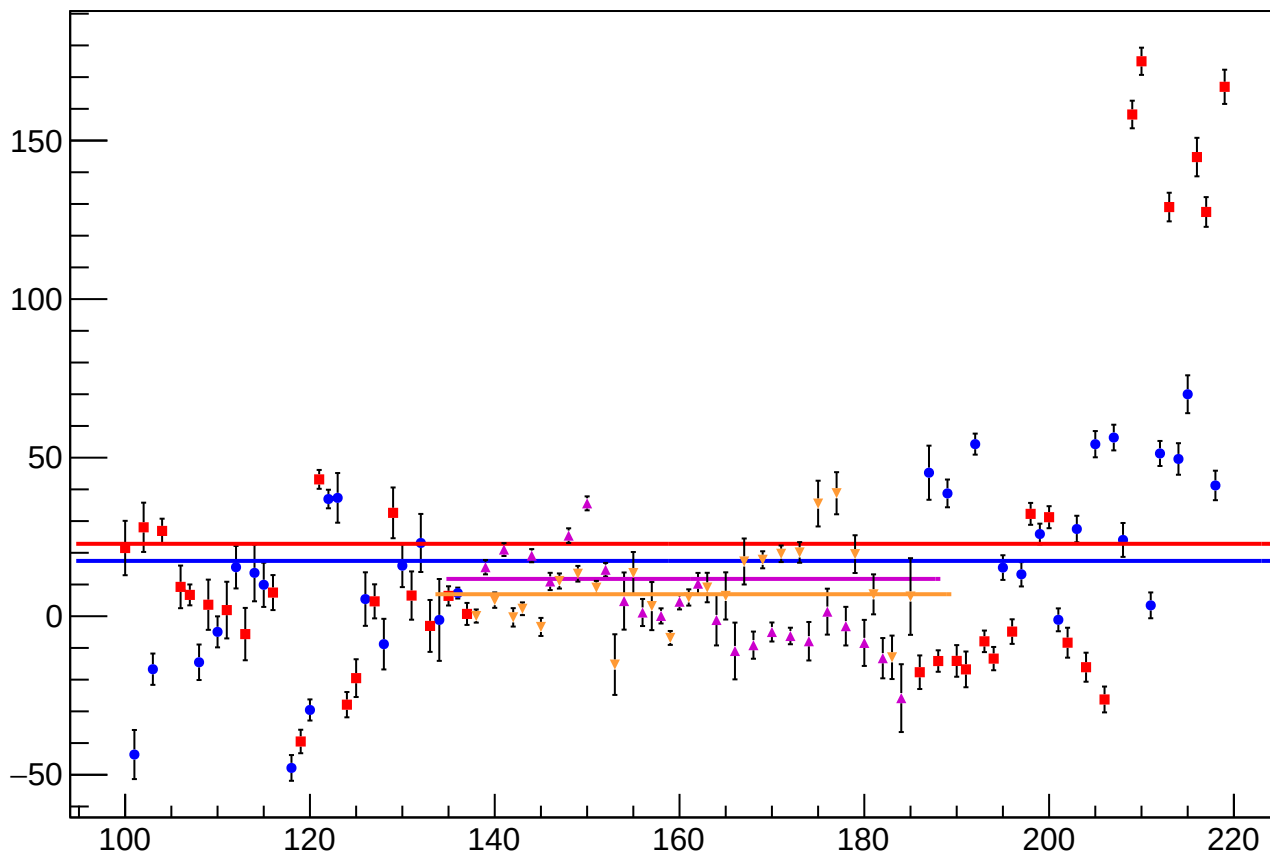
Left In: 10335.399+/-1.758 χ^2/NDF : 127173.0/22

+ sign 9997.028+/-1.170 χ^2/NDF : 345732.7/57

All: 9991.112+/-0.825 χ^2/NDF : 626584.0/117

- sign 9985.255+/-1.164 χ^2/NDF : 280800.4/59

diff_bpm0l02Y_mean vs Slug



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

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

Right Out: 22.834 ± 0.737 χ^2/NDF : 5879.5/36

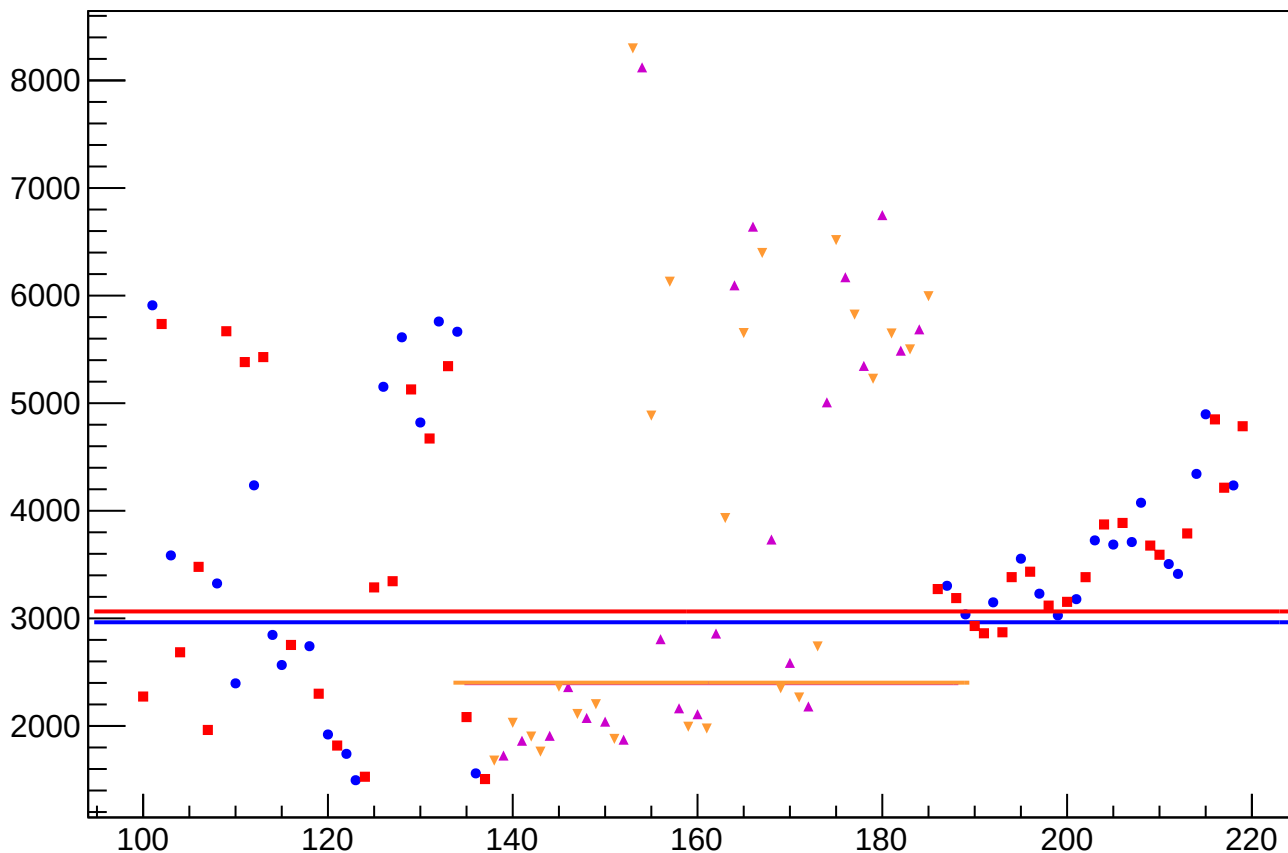
Left In: 11.766 ± 0.648 χ^2/NDF : 395.1/22

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

All: 13.980 ± 0.344 χ^2/NDF : 8103.3/117

- sign 16.598 ± 0.487 χ^2/NDF : 6401.9/59

diff_bpm0l02Y_rms vs Slug



Right In: 2963.871+/-0.529 χ^2 /NDF: 4098972.8/32

Left Out: 2402.359+/-0.452 χ^2 /NDF:6345982.8/24

Right Out: 3064.468+/-0.521 χ^2 /NDF: 3579237.2/36

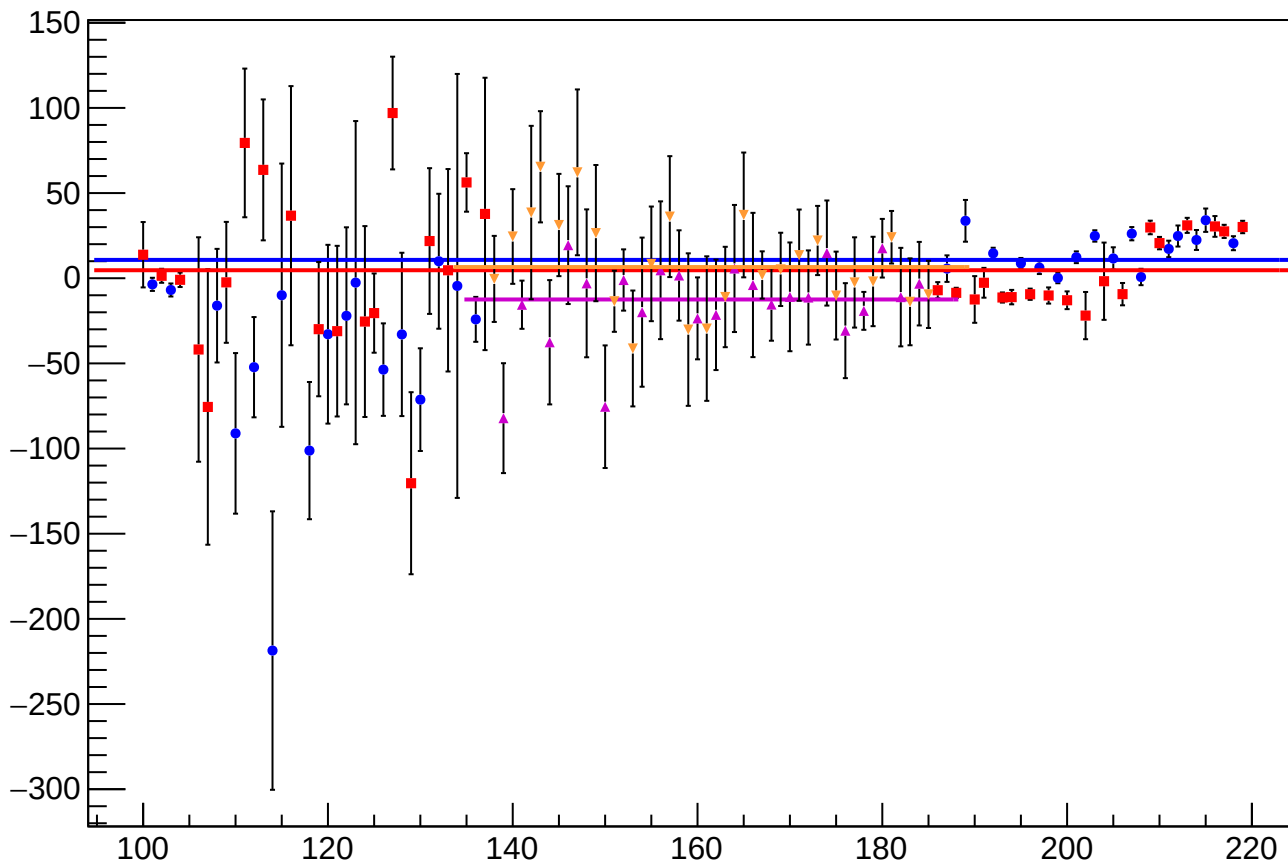
Left In: 2397.701+/-0.458 χ^2 /NDF:5398920.1/22

+ sign 2639.362+/-0.343 χ^2 /NDF: 11097304.9/57

All: 2664.017+/-0.243 χ^2 /NDF: 21009213.2/100

- sign 2688.783+/-0.344 χ^2 /NDF: 9901573.0/59

diff_bpm0l03X_mean vs Slug



Right In: 10.765 ± 0.990 χ^2/NDF : 167.4/32

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

Right Out: 4.697 ± 0.984 χ^2/NDF : 348.6/36

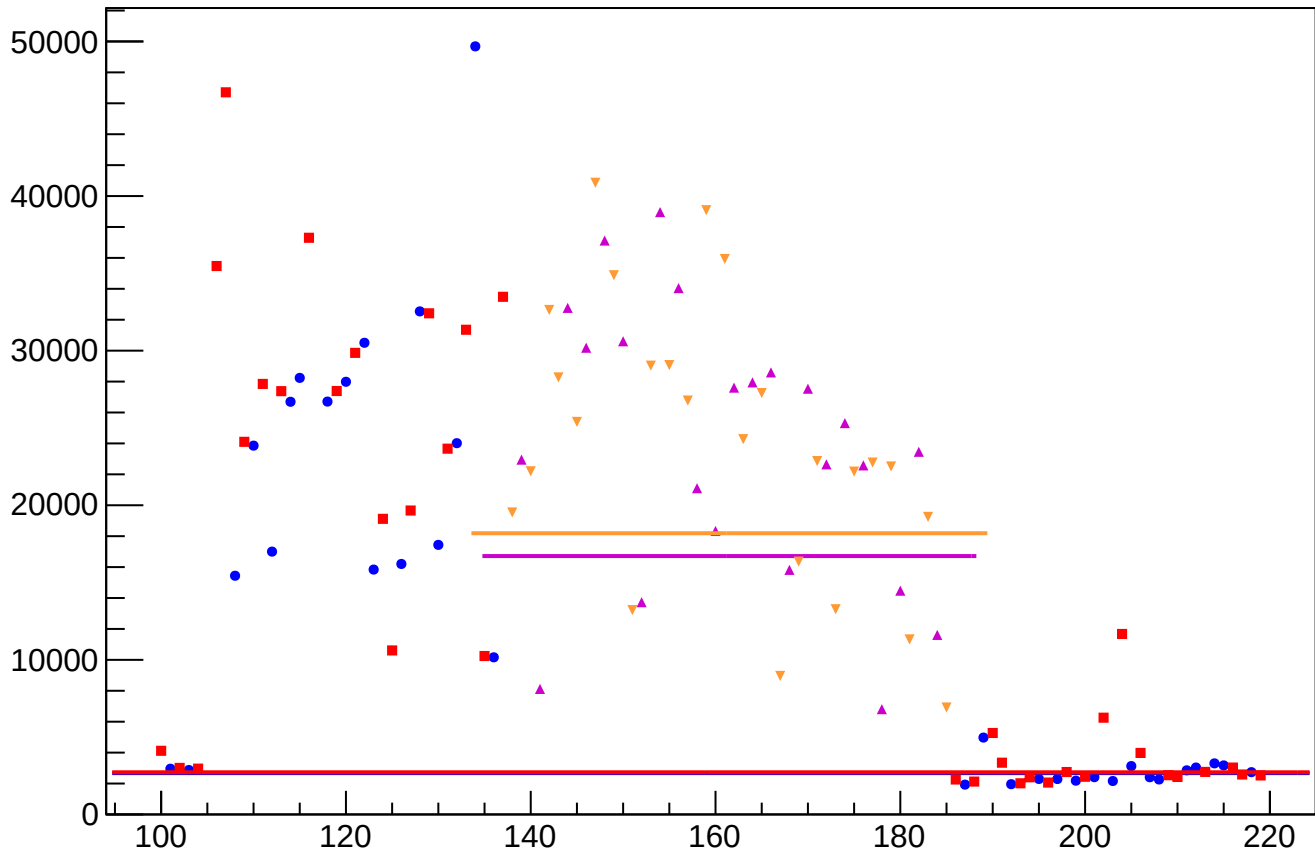
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign 10.611 ± 0.971 χ^2/NDF : 184.8/57

All: 7.317 ± 0.685 χ^2/NDF : 583.0/117

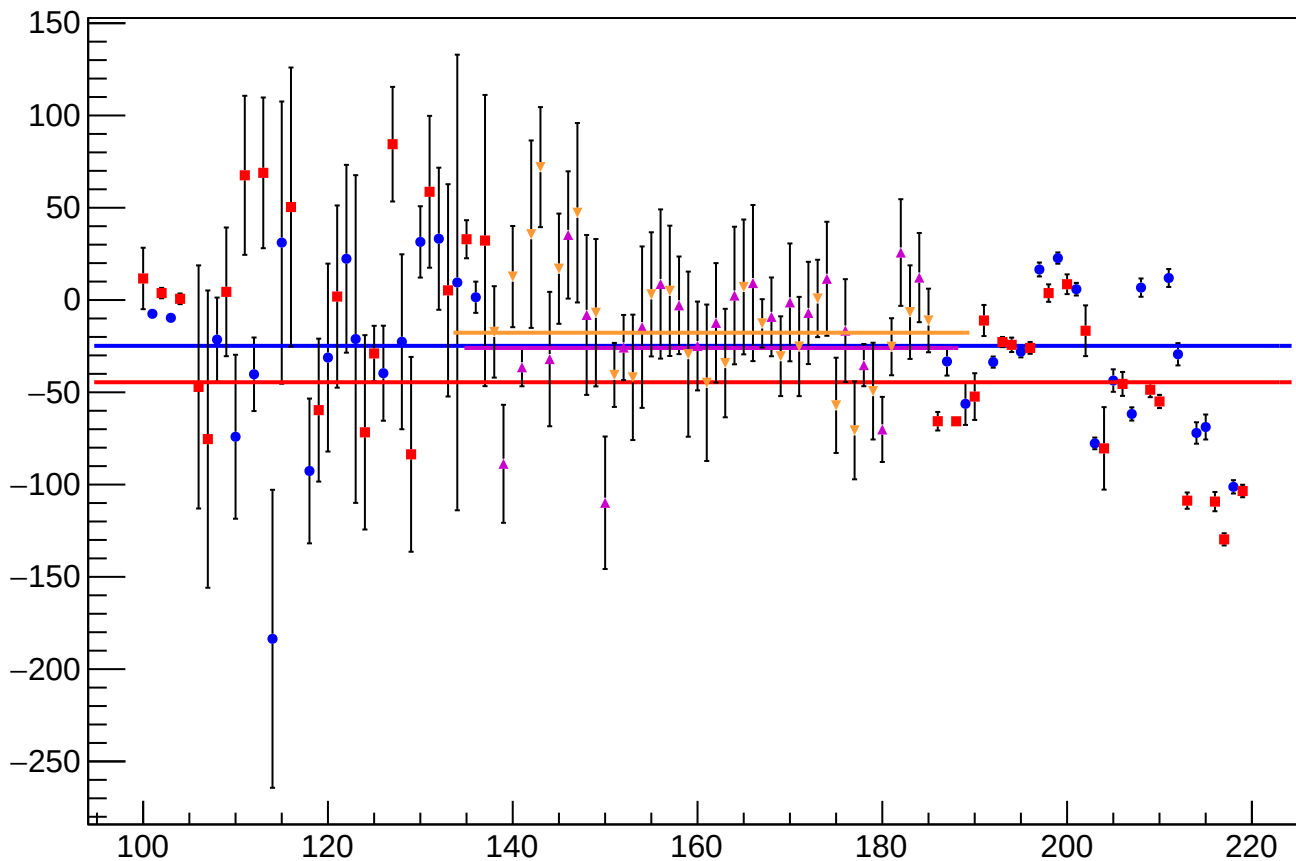
- sign 4.064 ± 0.965 χ^2/NDF : 375.3/59

diff_bpm0l03X_rms vs Slug



Right In: 2674.764+/-0.700	χ^2/NDF : 7047216.0/32	+ sign 3242.520+/-0.687	χ^2/NDF : 30301006.8/57
Left Out: 18190.387+/-3.590	χ^2/NDF : 5261328.5/24	All: 3243.165+/-0.484	χ^2/NDF : 60509410.7/1
Right Out: 2727.697+/-0.696	χ^2/NDF : 9094363.6/36	- sign 3243.802+/-0.683	χ^2/NDF : 30208402.2/59
Left In: 16713.653+/-3.553	χ^2/NDF : 6194178.8/22		

diff_bpm0l03Y_mean vs Slug



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

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

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

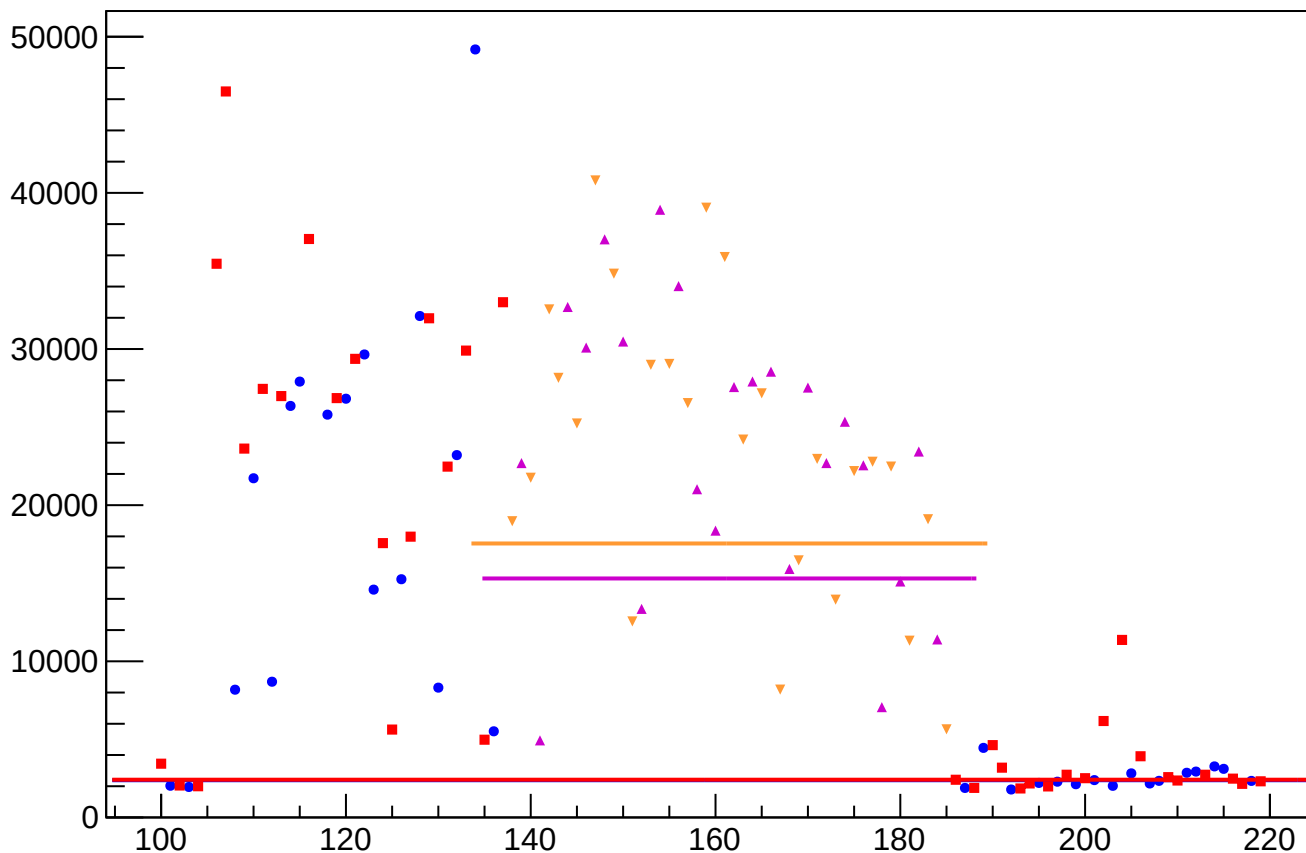
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

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

All: -34.344 ± 0.617 χ^2/NDF : 4362.3/117

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

diff_bpm0l03Y_rms vs Slug



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

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

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

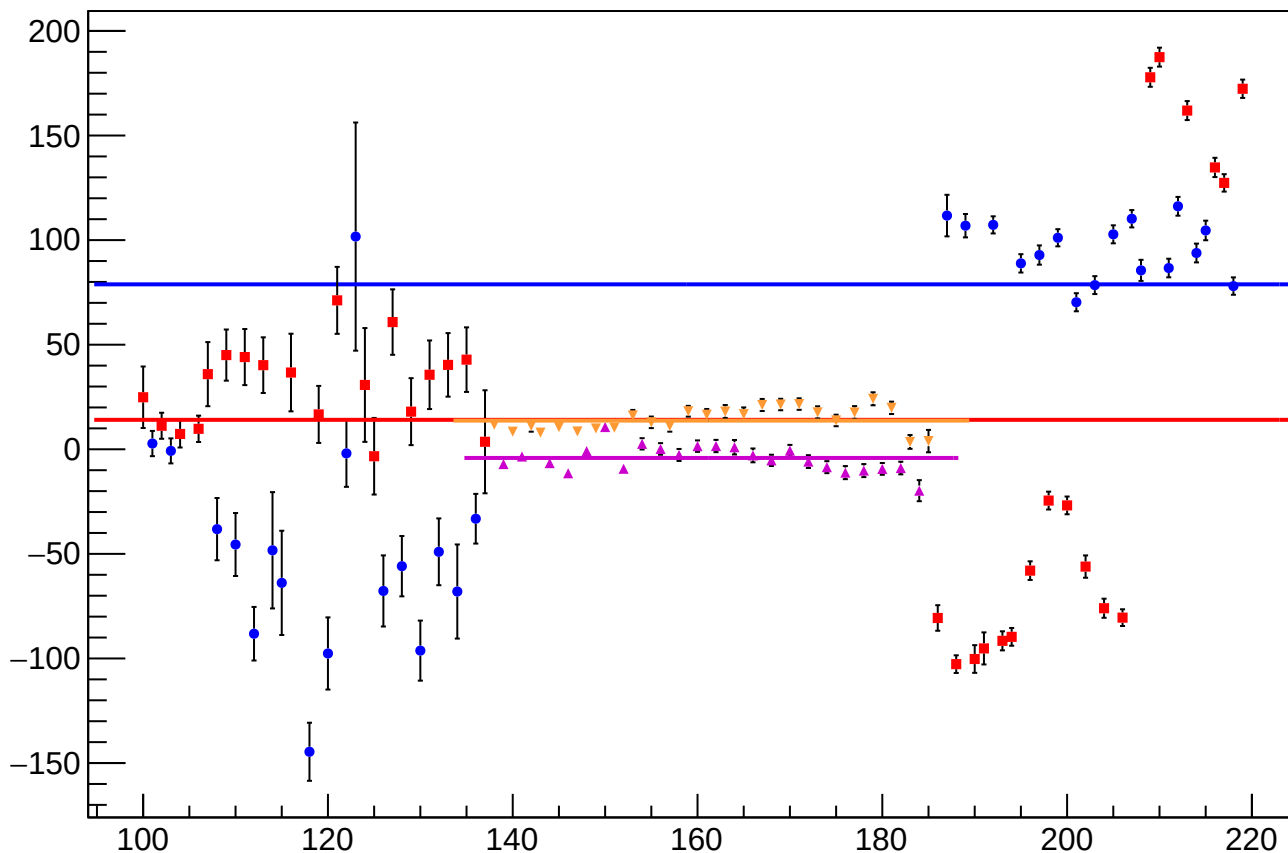
Left In: 15305.311+/-3.386 χ^2/NDF : 7721177.0/22

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

All: 2848.544+/-0.436 χ^2/NDF : 60342125.2/1

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

diff_bpm0l04X_mean vs Slug



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

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

Right Out: 14.082 ± 1.012 χ^2/NDF : 10816.3/36

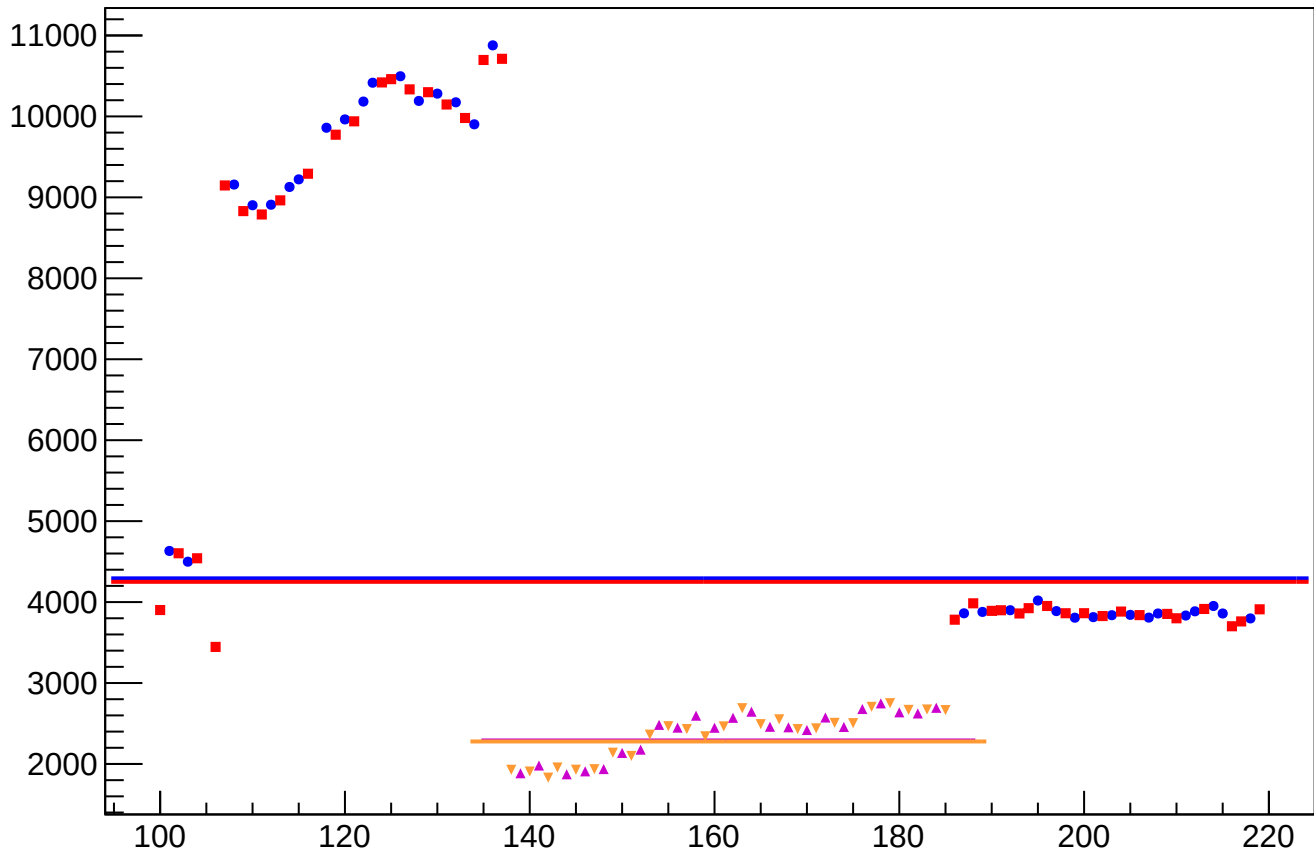
Left In: -4.141 ± 0.555 χ^2/NDF : 111.7/22

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

All: 13.720 ± 0.341 χ^2/NDF : 17734.9/117

- sign 0.069 ± 0.487 χ^2/NDF : 11177.1/59

diff_bpm0l04X_rms vs Slug



Right In: 4293.119+/-0.751 χ^2/NDF : 3892994.4/32

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

Right Out: 4250.361+/-0.716 χ^2/NDF : 3948145.7/36

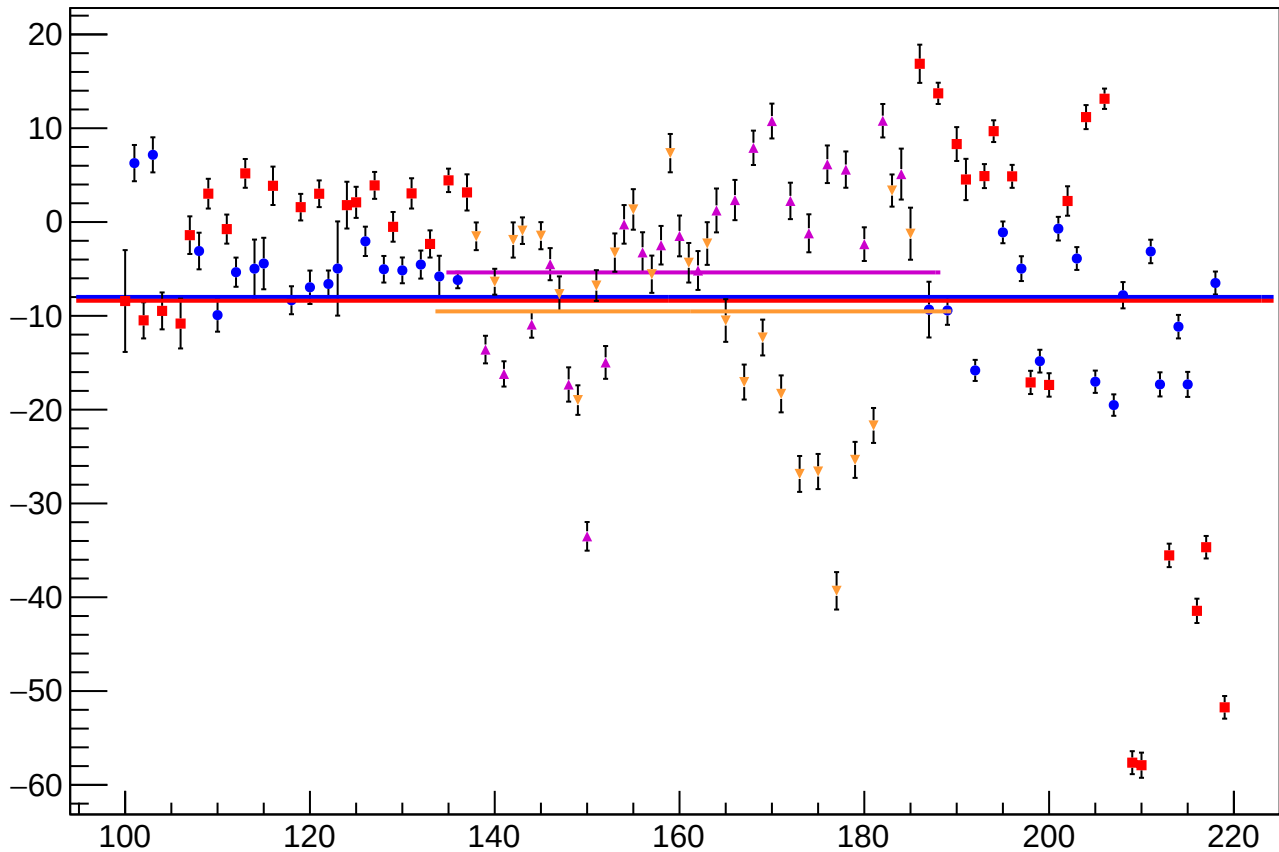
Left In: 2290.461+/-0.392 χ^2/NDF : 590272.1/22

+ sign 2686.037+/-0.338 χ^2/NDF : 10238215.5/57

All: 2714.100+/-0.241 χ^2/NDF : 20555798.7/1

- sign 2743.171+/-0.344 χ^2/NDF : 10303549.2/59

diff_bpm0l04Y_mean vs Slug



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

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

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

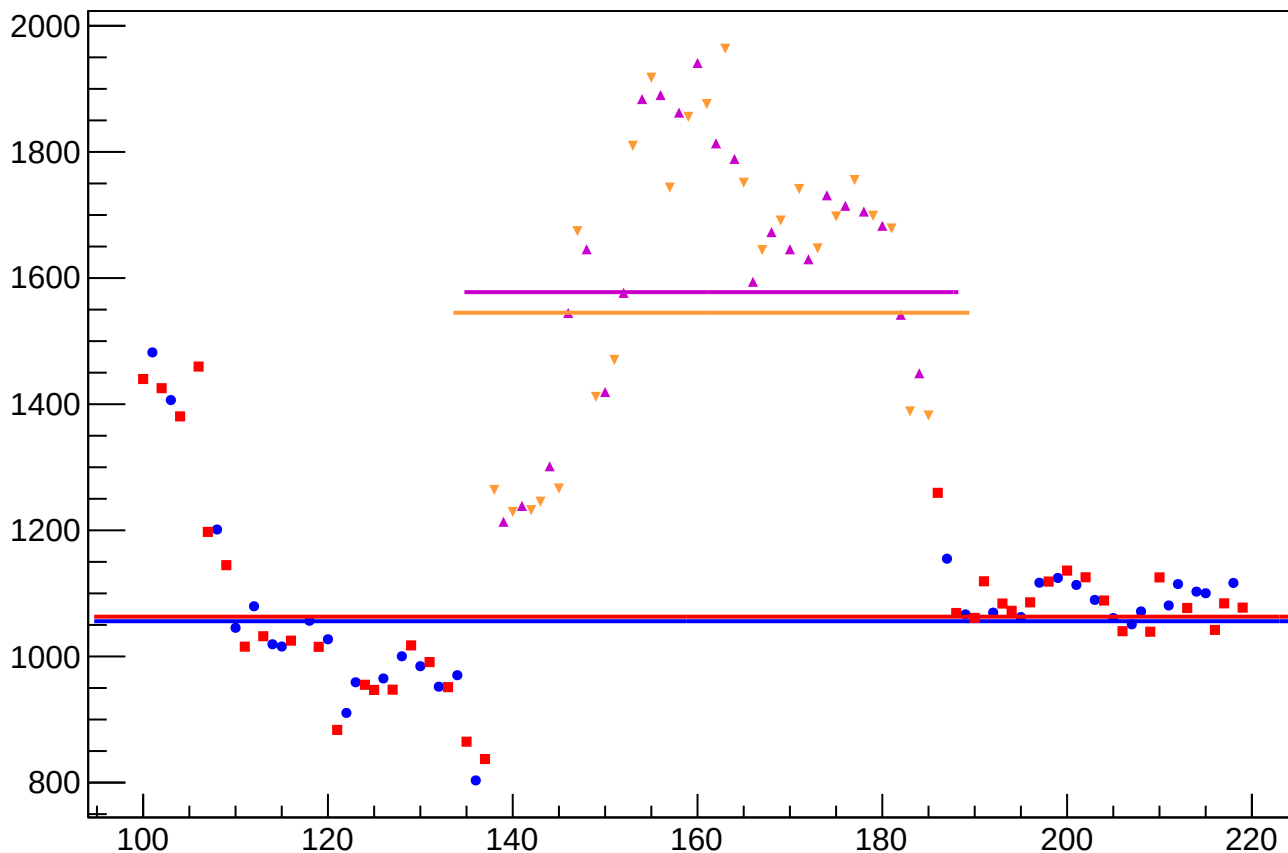
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

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

All: -8.000 ± 0.145 χ^2/NDF : 10894.3/117

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

diff_bpm0l04Y_rms vs Slug



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

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

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

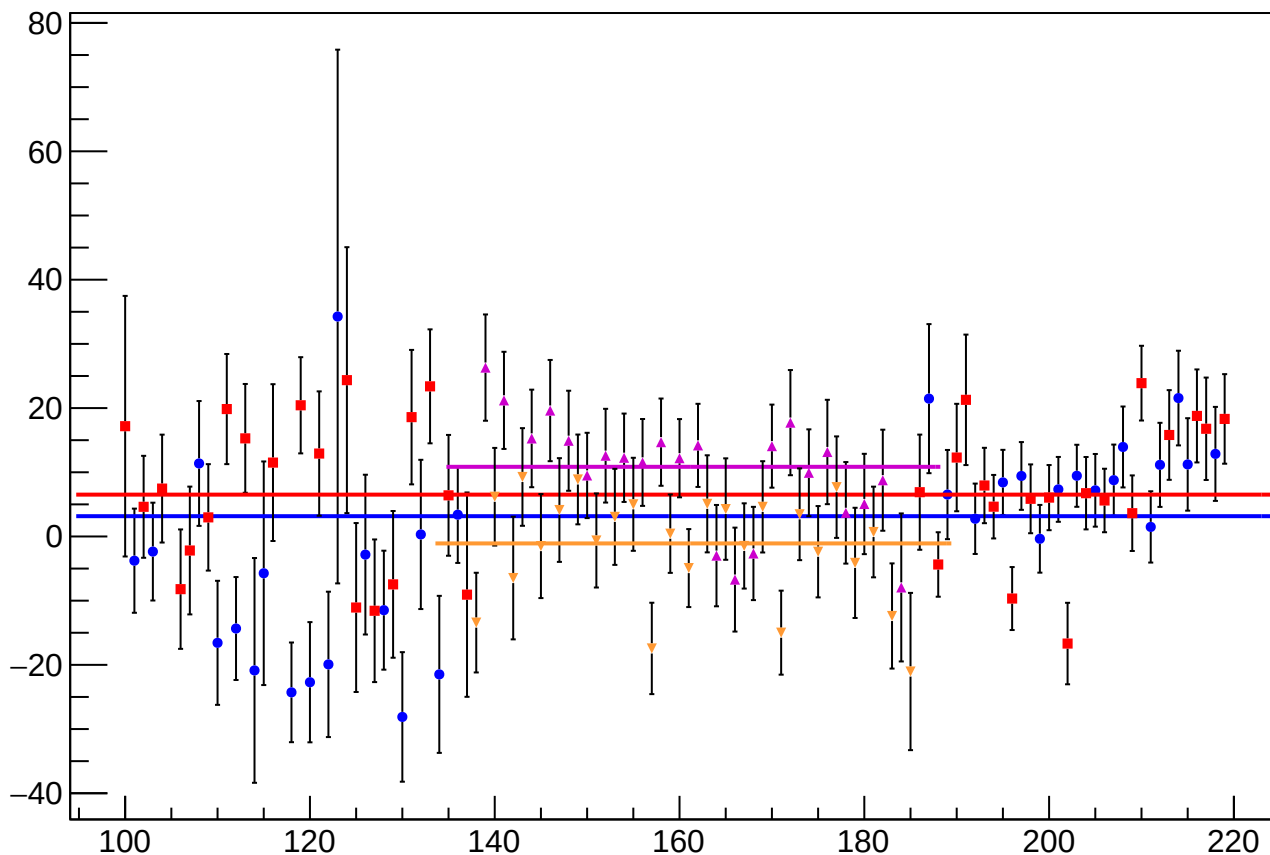
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

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

All: 1210.193 $\pm$ 0.102 χ^2 /NDF: 7334048.3/11

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

diff_bpm0l05X_mean vs Slug



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

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

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

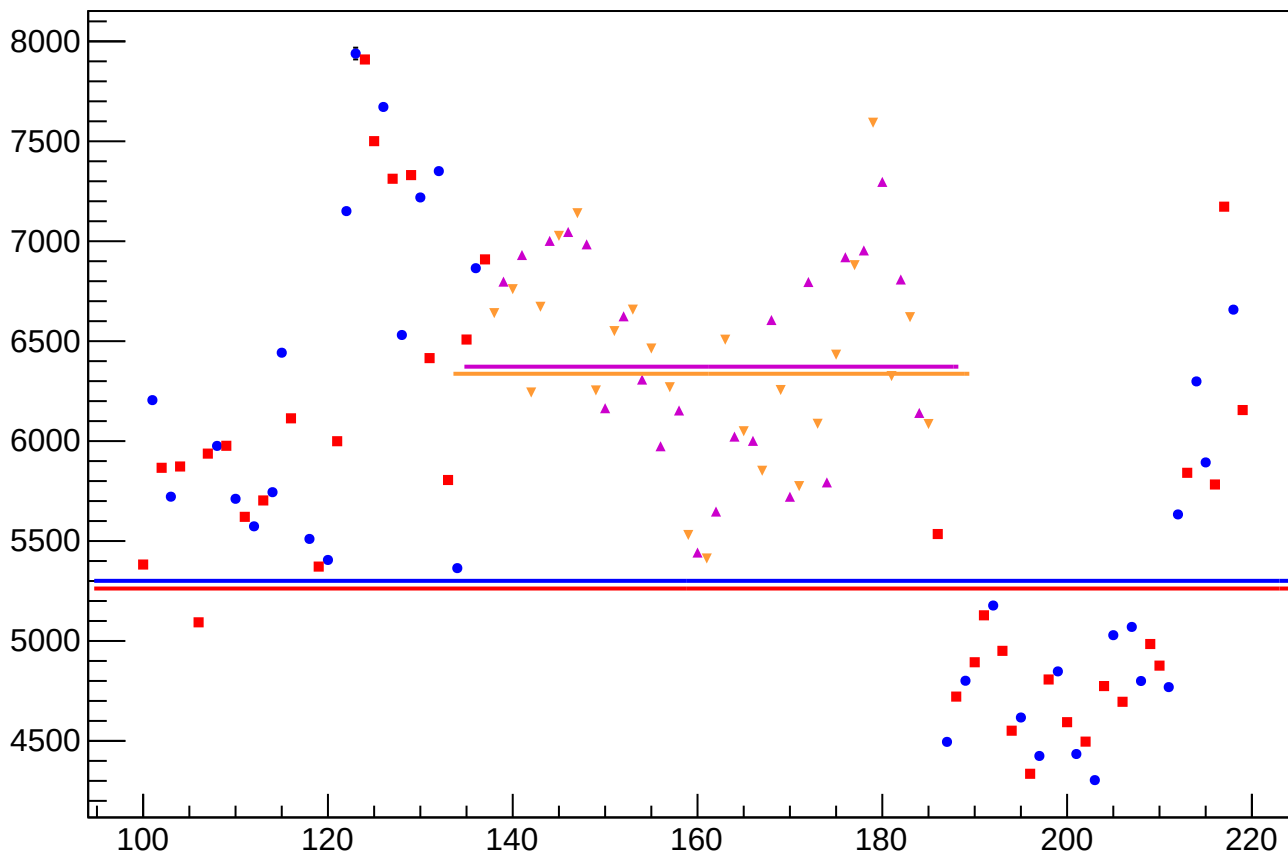
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

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

All: 4.816 ± 0.677 $\chi^2/\text{NDF}: 238.3/117$

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

diff_bpm0l05X_rms vs Slug



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

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

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

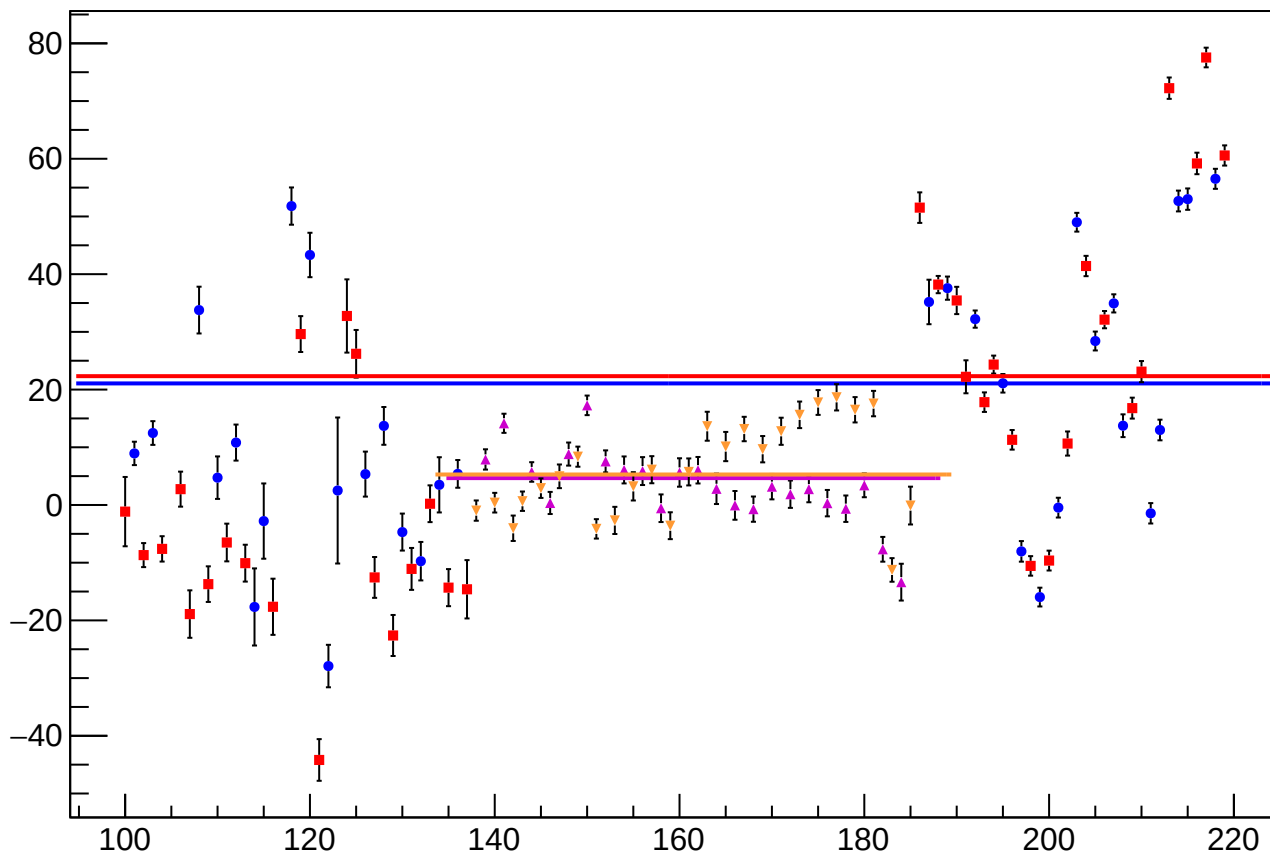
Left In: 6372.349 $\pm$ 1.090 χ^2 /NDF: 247257.0/22

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

All: 5709.586 $\pm$ 0.478 χ^2 /NDF: 3403696.9/11

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

diff_bpm0l05Y_mean vs Slug



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

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

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

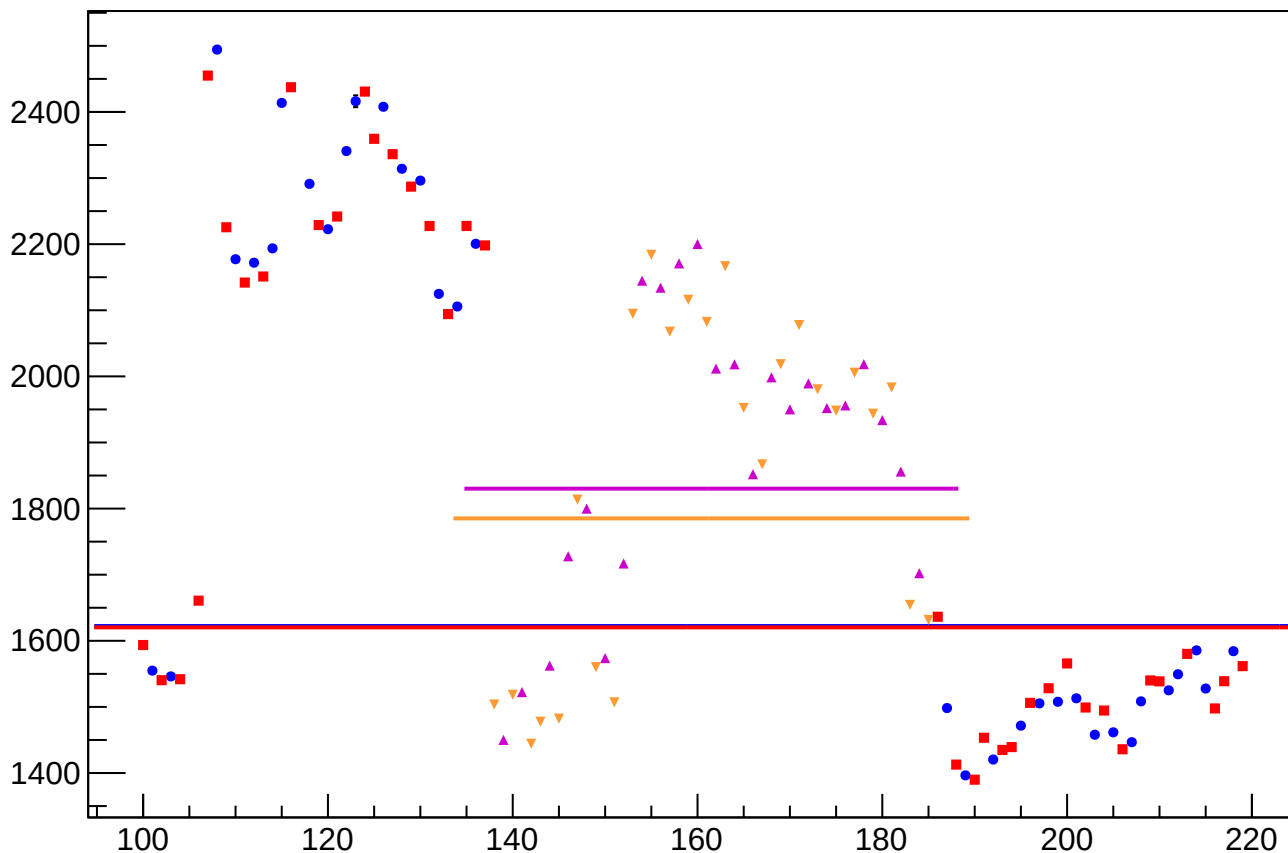
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF:196.5/22

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

All: 14.448 $\pm$ 0.201 χ^2 /NDF: 11387.1/117

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

diff_bpm0l05Y_rms vs Slug



Right In: 1622.314 $\pm$ 0.273 χ^2 /NDF: 1104121.4/32

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

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

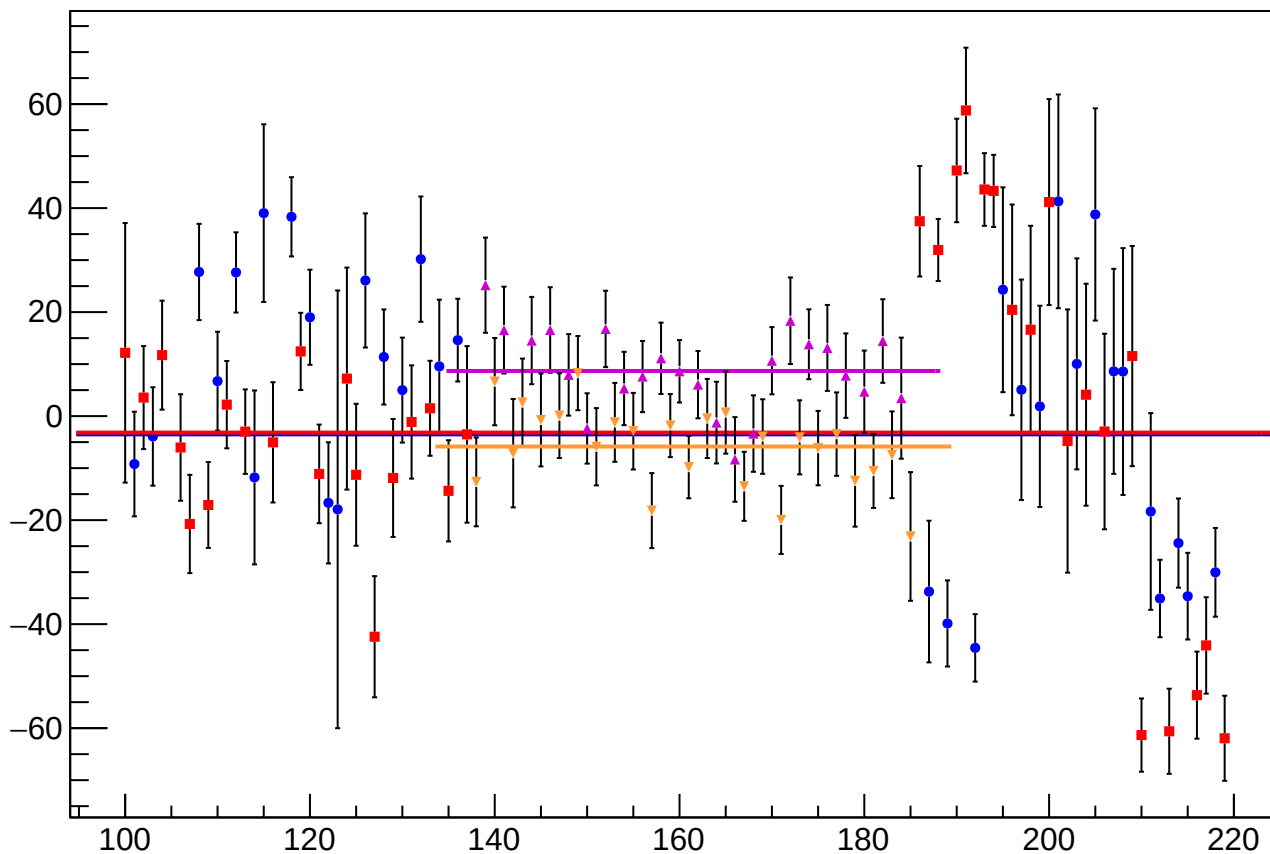
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

+ sign 1696.640 $\pm$ 0.201 χ^2 /NDF: 2017709.5/57

All: 1701.765 $\pm$ 0.142 χ^2 /NDF: 3904796.9/11

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

diff_bpm0l06X_mean vs Slug



Right In: -3.509 ± 1.868 χ^2/NDF : 220.8/32

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

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

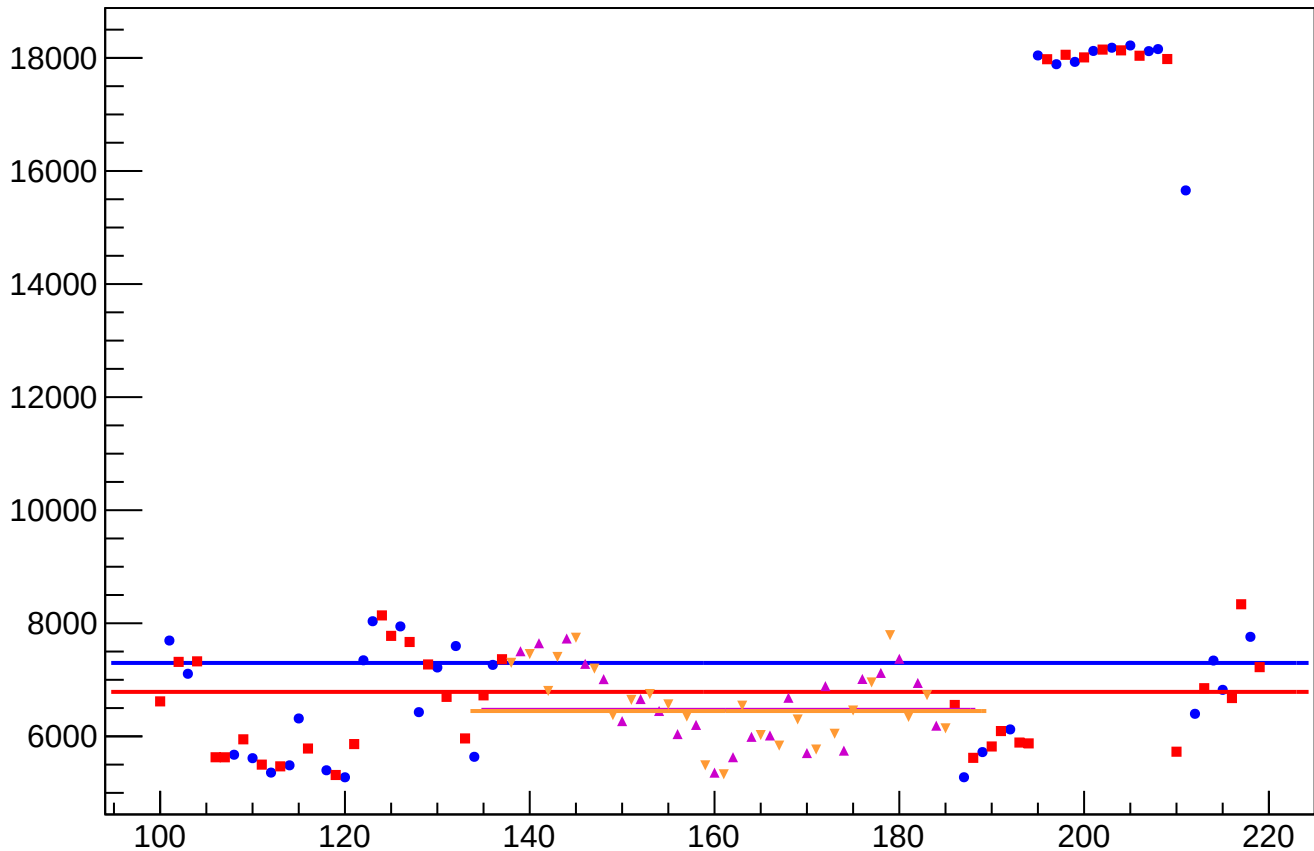
Left In: 8.683 ± 1.571 χ^2/NDF : 21.9/22

+ sign -4.912 ± 1.178 χ^2/NDF : 245.0/57

All: -0.791 ± 0.818 χ^2/NDF : 770.5/117

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

diff_bpm0l06X_rms vs Slug



Right In: 7298.446 $\pm$ 1.321 χ^2 /NDF: 5603270.5/32

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

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

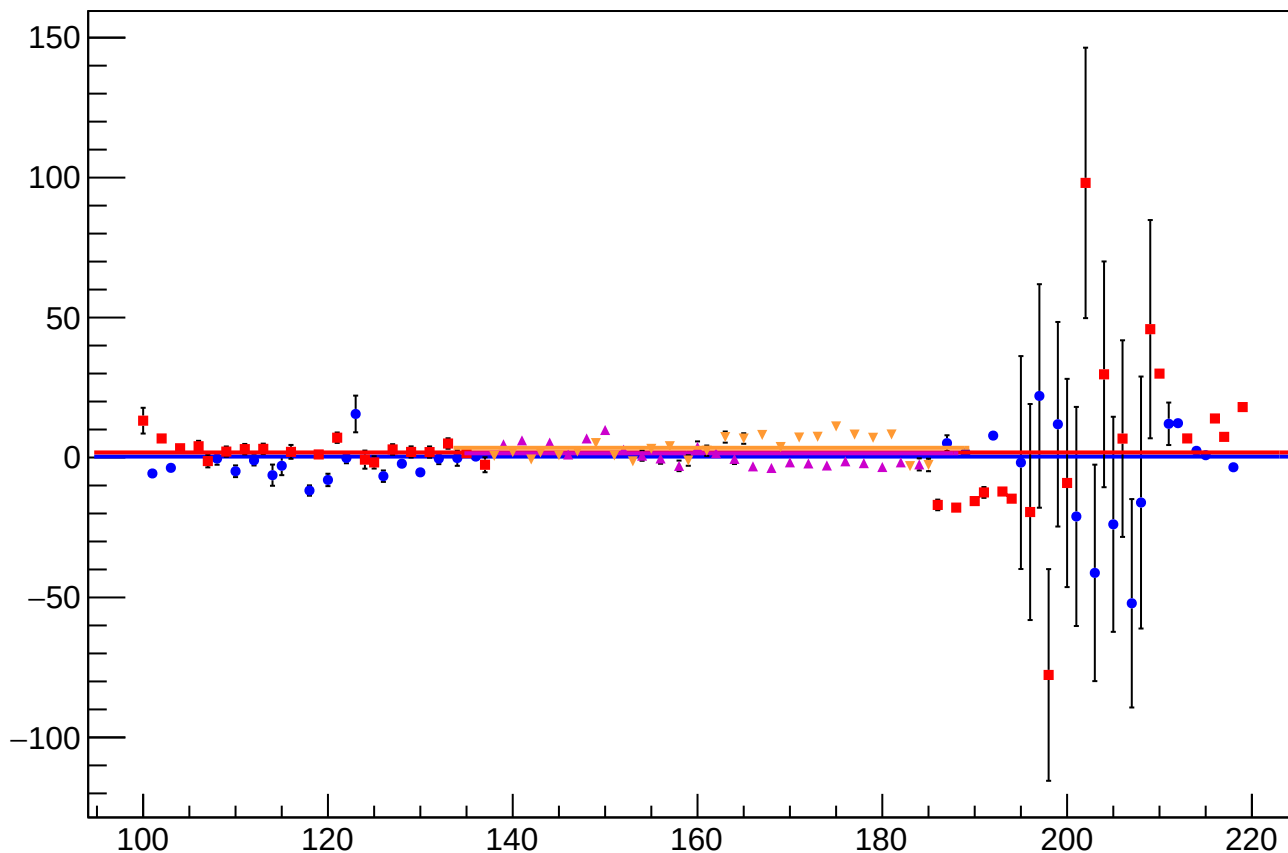
Left In: 6468.902 $\pm$ 1.111 χ^2 /NDF: 383325.4/22

+ sign 6786.244 $\pm$ 0.833 χ^2 /NDF: 6224808.9/57

All: 6700.091 $\pm$ 0.579 χ^2 /NDF: 11429040.7/100

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

diff_bpm0l06Y_mean vs Slug



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

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

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

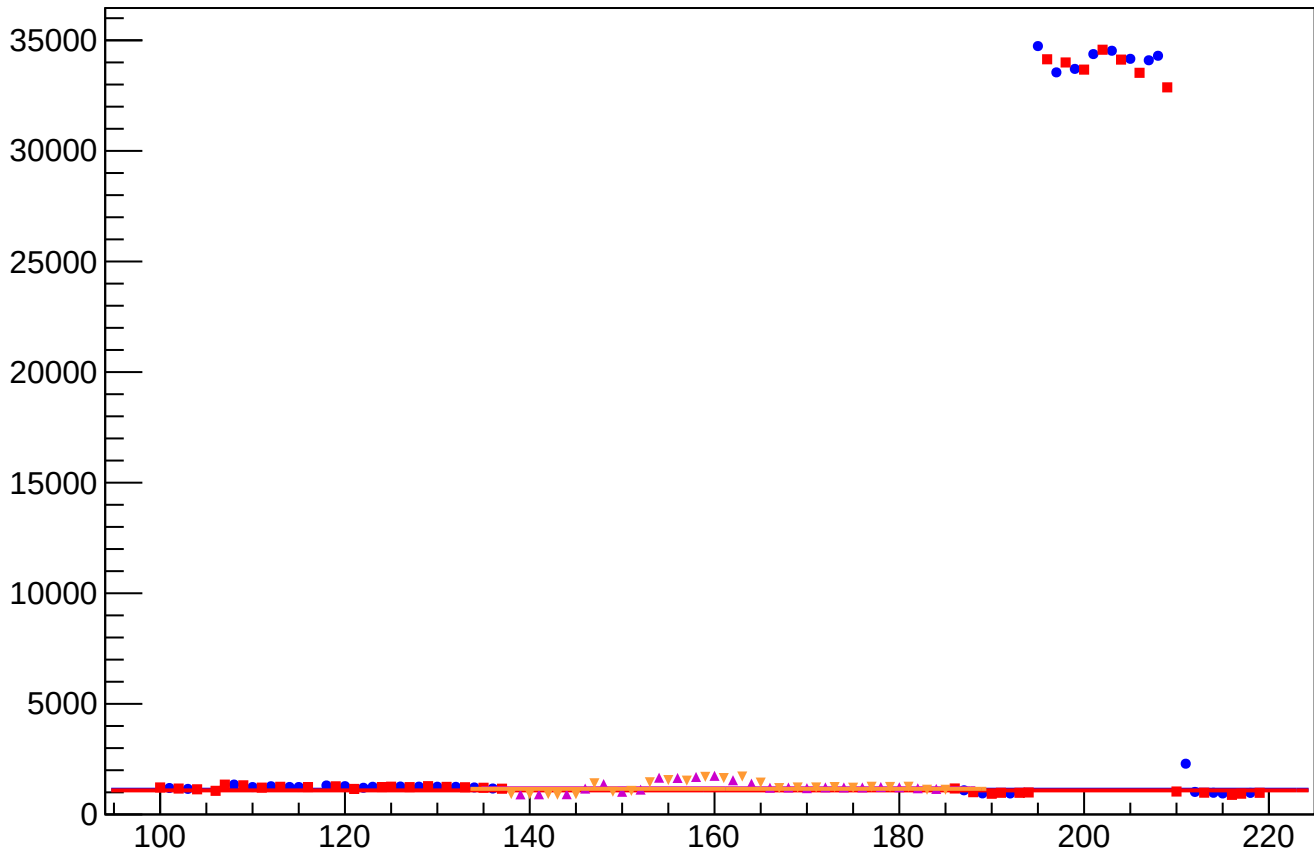
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

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

All: 1.906 ± 0.147 χ^2/NDF : 2559.7/117

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

diff_bpm0l06Y_rms vs Slug



Right In: 1118.799 ± 0.232 χ^2/NDF : 11948210.2/32

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

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

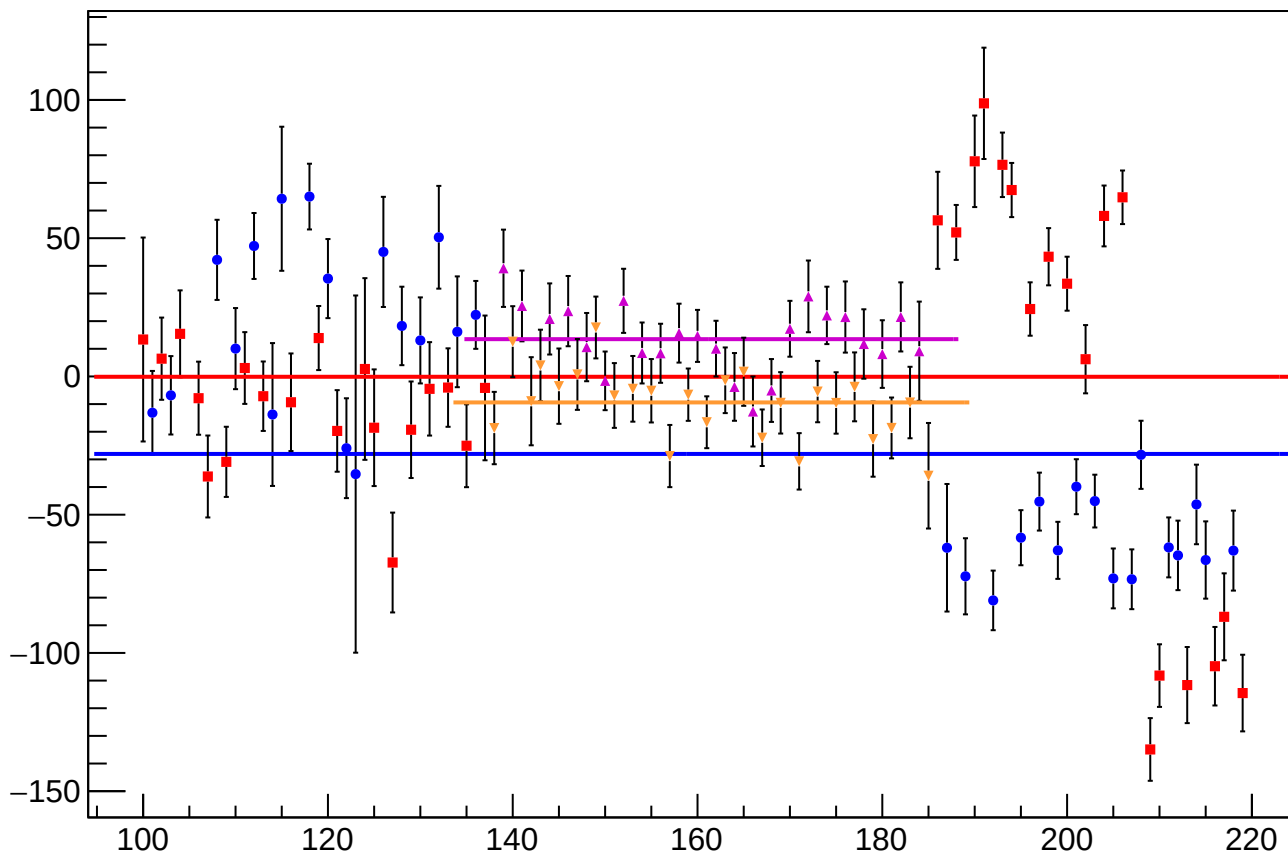
Left In: 1184.966 ± 0.206 χ^2/NDF : 1190431.5/22

+ sign 1142.286 ± 0.150 χ^2/NDF : 13376069.5/57

All: 1139.337 ± 0.104 χ^2/NDF : 24952854.5/100

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

diff_bpm0l07X_mean vs Slug



Right In: -28.029 ± 2.316 $\chi^2/\text{NDF}: 370.3/32$

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

Right Out: -0.120 ± 2.205 $\chi^2/\text{NDF}: 771.2/36$

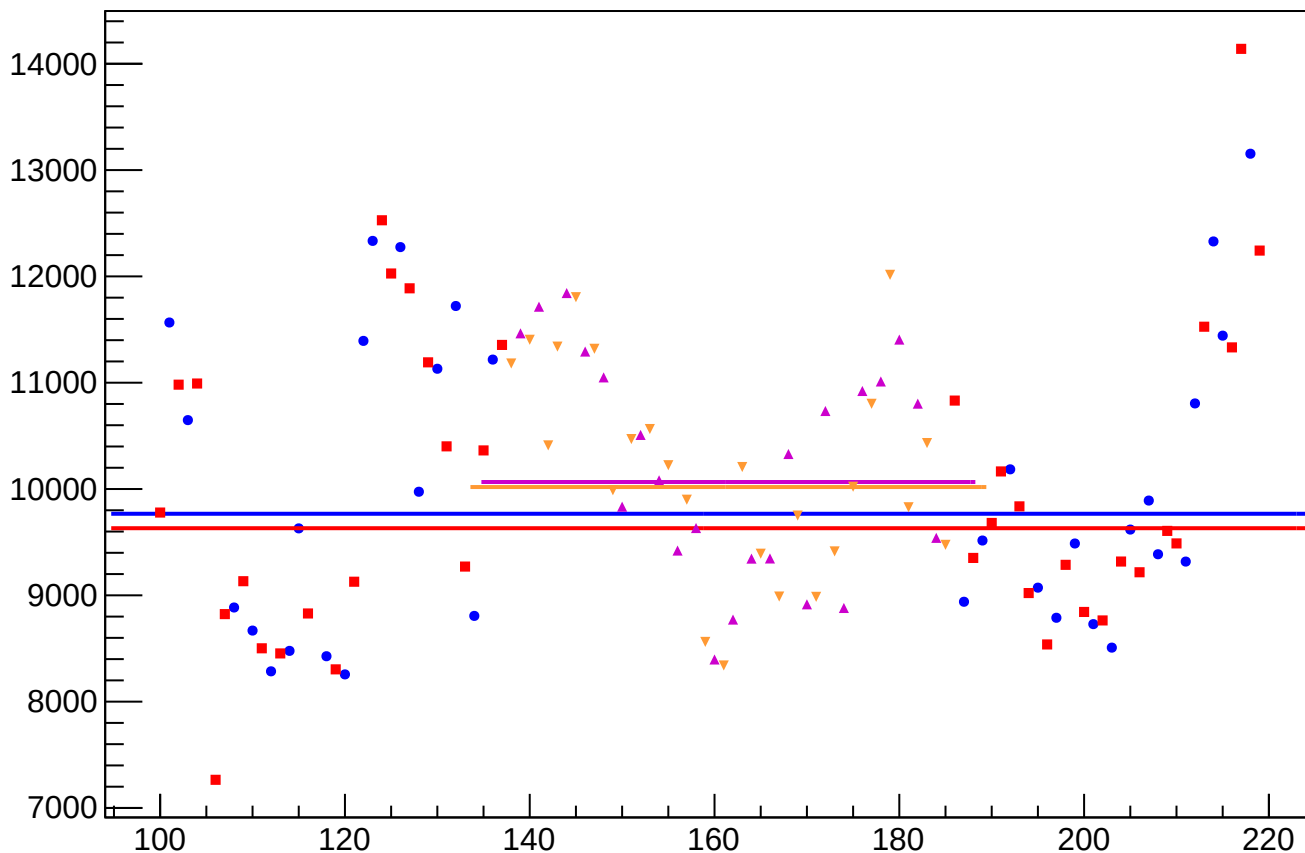
Left In: 13.485 ± 2.443 $\chi^2/\text{NDF}: 21.6/22$

+ sign -18.880 ± 1.653 $\chi^2/\text{NDF}: 428.3/57$

All: -6.327 ± 1.163 $\chi^2/\text{NDF}: 1352.5/117$

- sign 5.989 ± 1.637 $\chi^2/\text{NDF}: 809.8/59$

diff_bpm0l07X_rms vs Slug



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

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

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

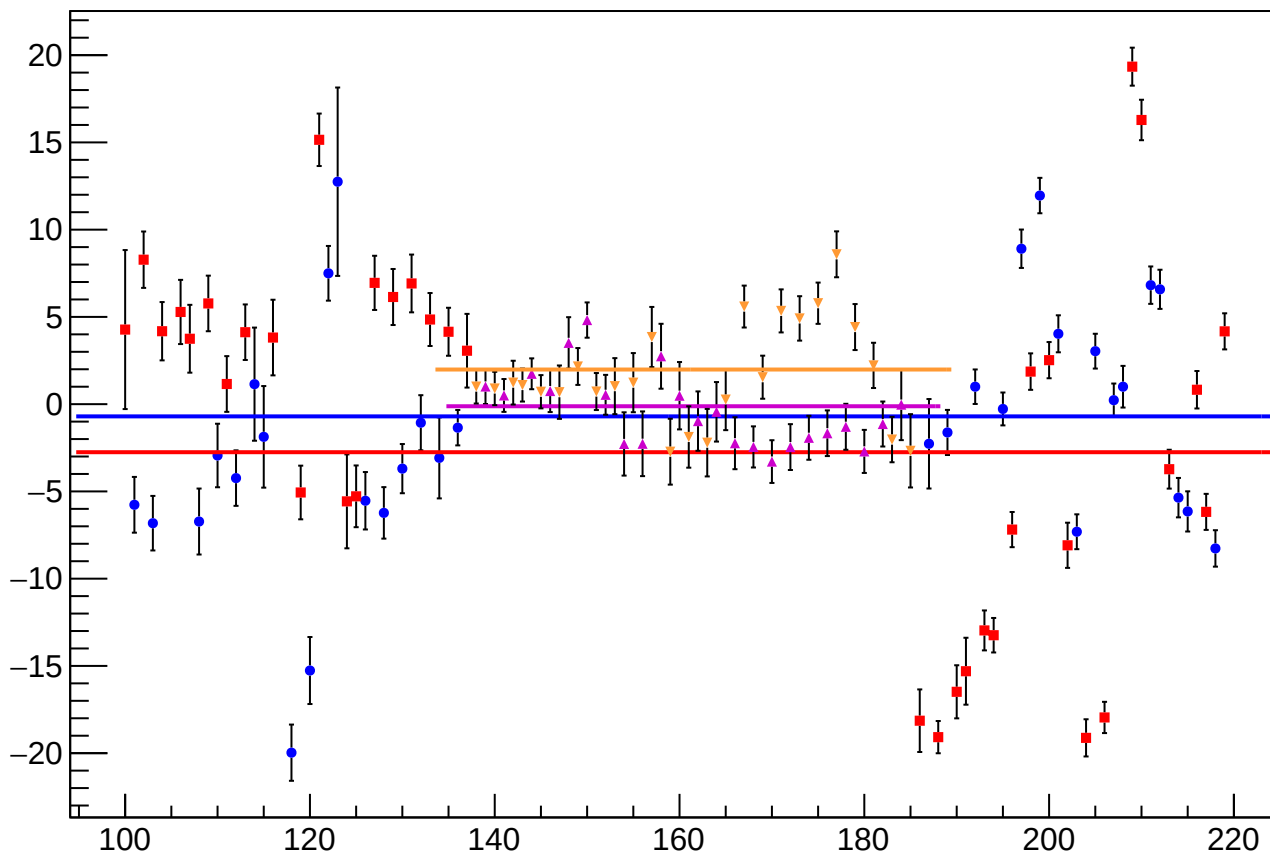
Left In: 10065.909+/-1.727 χ^2/NDF : 357868.9/22

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

All: 9858.256+/-0.822 χ^2/NDF : 1979821.8/11

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

diff_bpm0l07Y_mean vs Slug



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

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

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

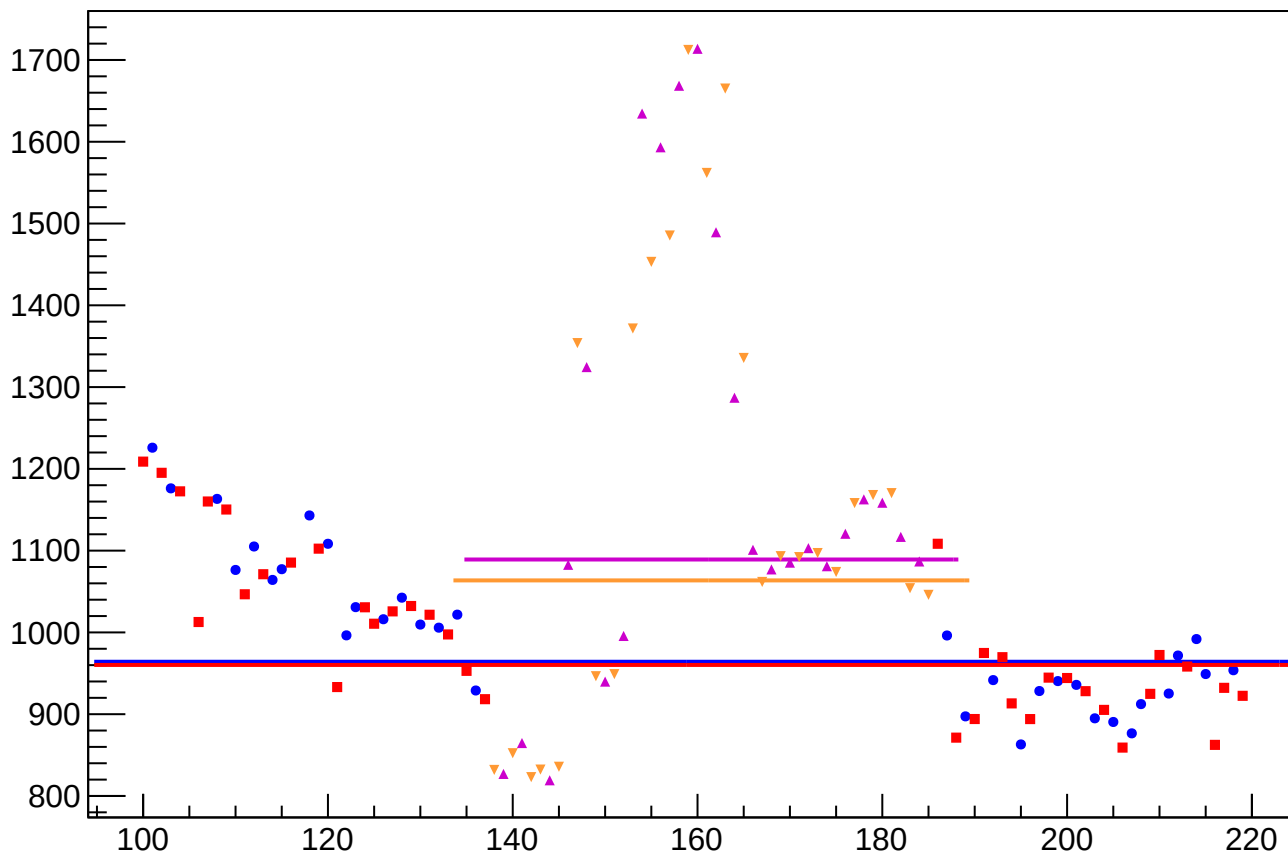
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

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

All: -0.613 ± 0.120 $\chi^2/\text{NDF}: 3703.6/117$

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

diff_bpm0l07Y_rms vs Slug



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

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

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

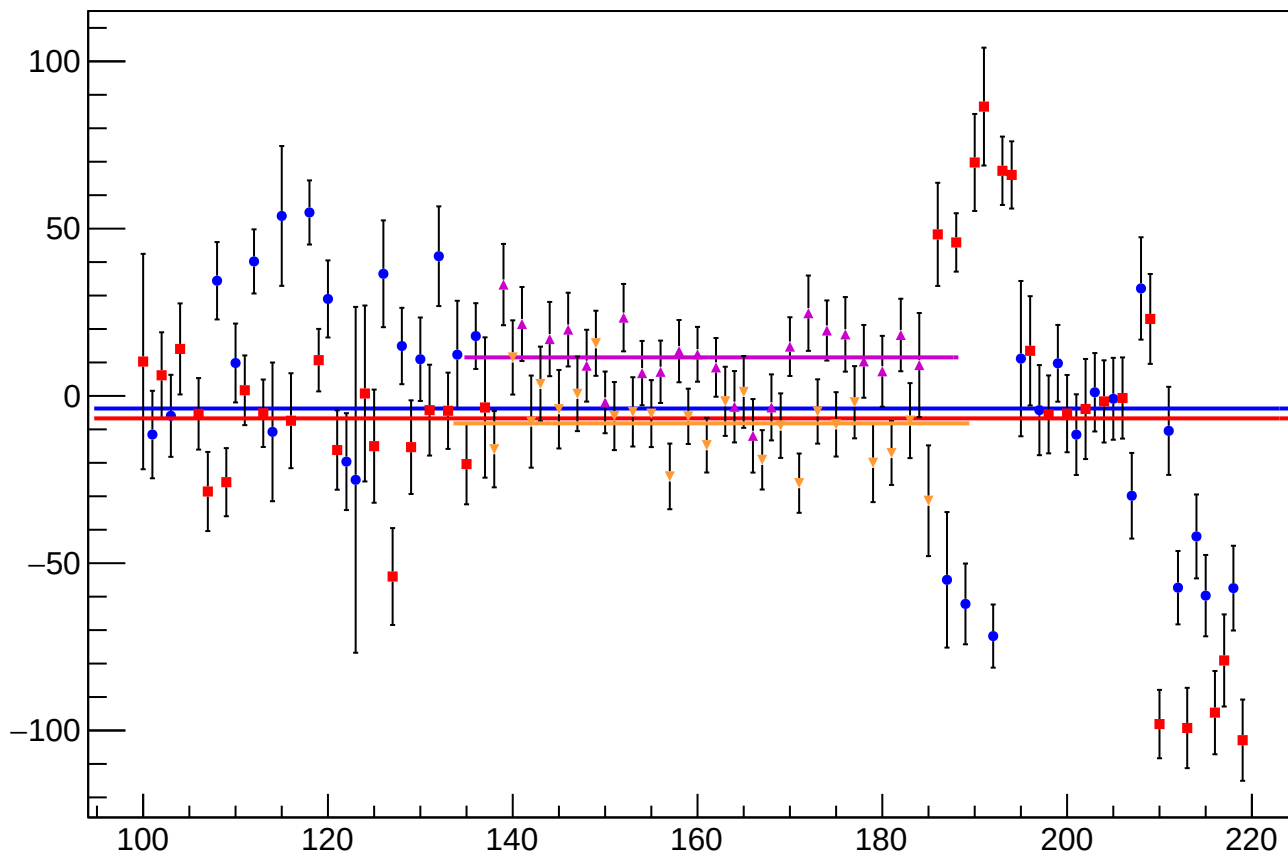
Left In: 1089.154+/-0.190 χ^2/NDF :1430478.5/22

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

All: 1009.685+/-0.085 χ^2/NDF : 4061730.8/11

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

diff_bpm0l08X_mean vs Slug



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

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

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

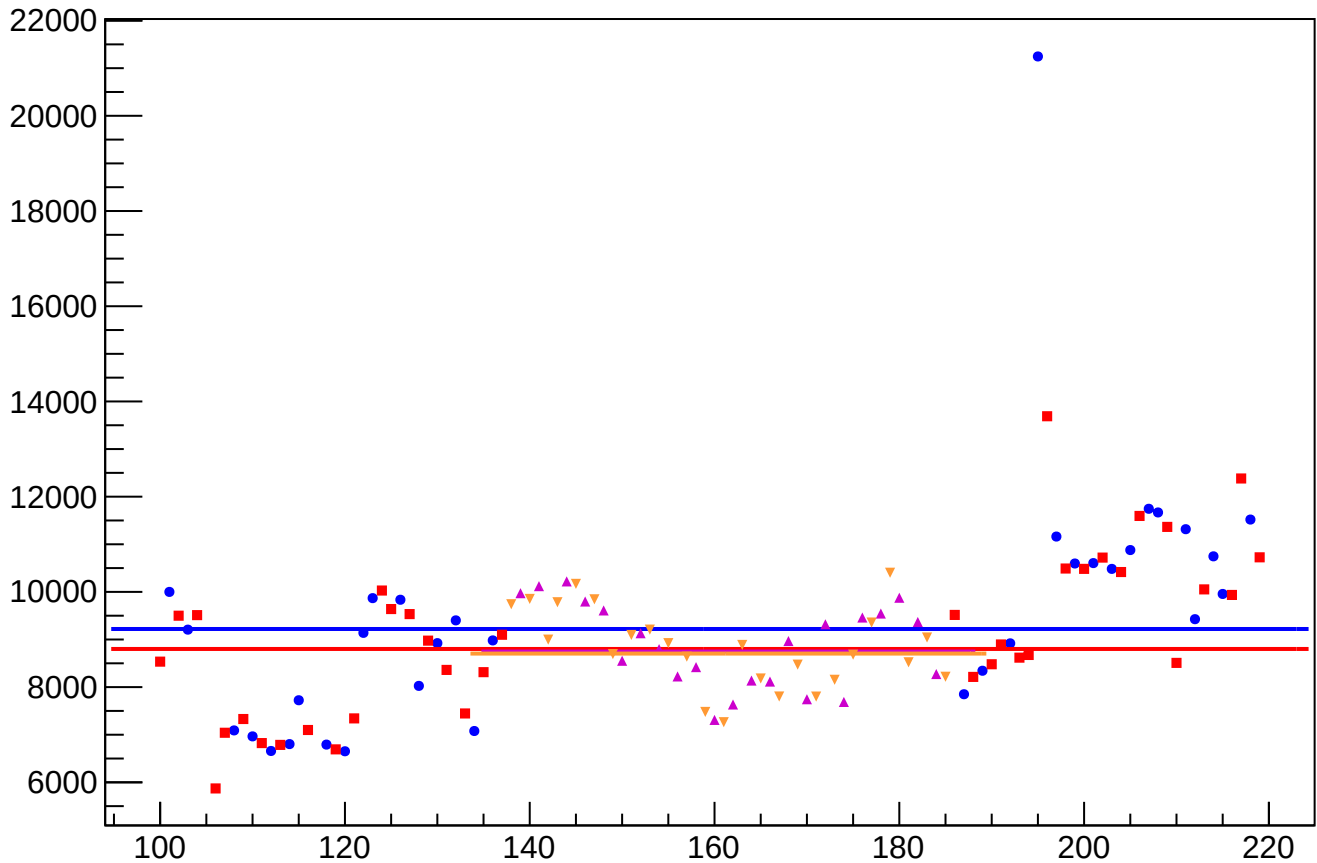
Left In: 11.515 ± 2.122 $\chi^2/\text{NDF}: 21.0/22$

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

All: -1.959 ± 1.052 $\chi^2/\text{NDF}: 907.6/117$

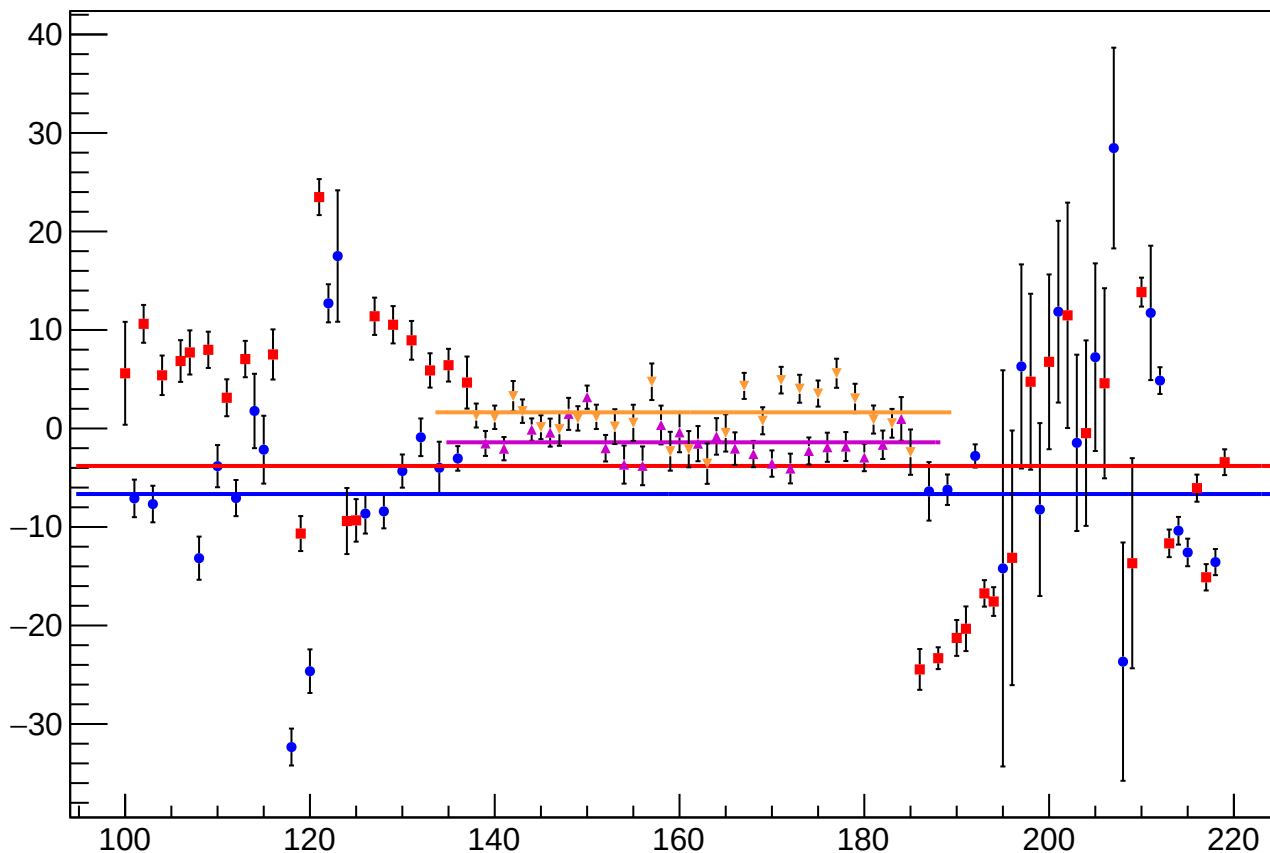
- sign 2.054 ± 1.472 $\chi^2/\text{NDF}: 583.8/59$

diff_bpm0l08X_rms vs Slug



Right In: 9220.811+/-1.569 χ^2/NDF : 1618303.4/32 + sign 8941.956+/-1.064 χ^2/NDF : 2009201.8/57
 Left Out: 8704.193+/-1.449 χ^2/NDF : 332364.3/24 All: 8856.811+/-0.744 χ^2/NDF : 3729848.9/11
 Right Out: 8801.301+/-1.445 χ^2/NDF : 1360346.2/36 - sign 8775.384+/-1.041 χ^2/NDF : 1708125.8/59
 Left In: 8747.415+/-1.501 χ^2/NDF : 347110.4/22

diff_bpm0l08Y_mean vs Slug



Right In: -6.655 ± 0.360 χ^2/NDF : 572.4/32

Left Out: 1.639 ± 0.294 χ^2/NDF : 51.3/24

Right Out: -3.804 ± 0.319 χ^2/NDF : 1723.4/36

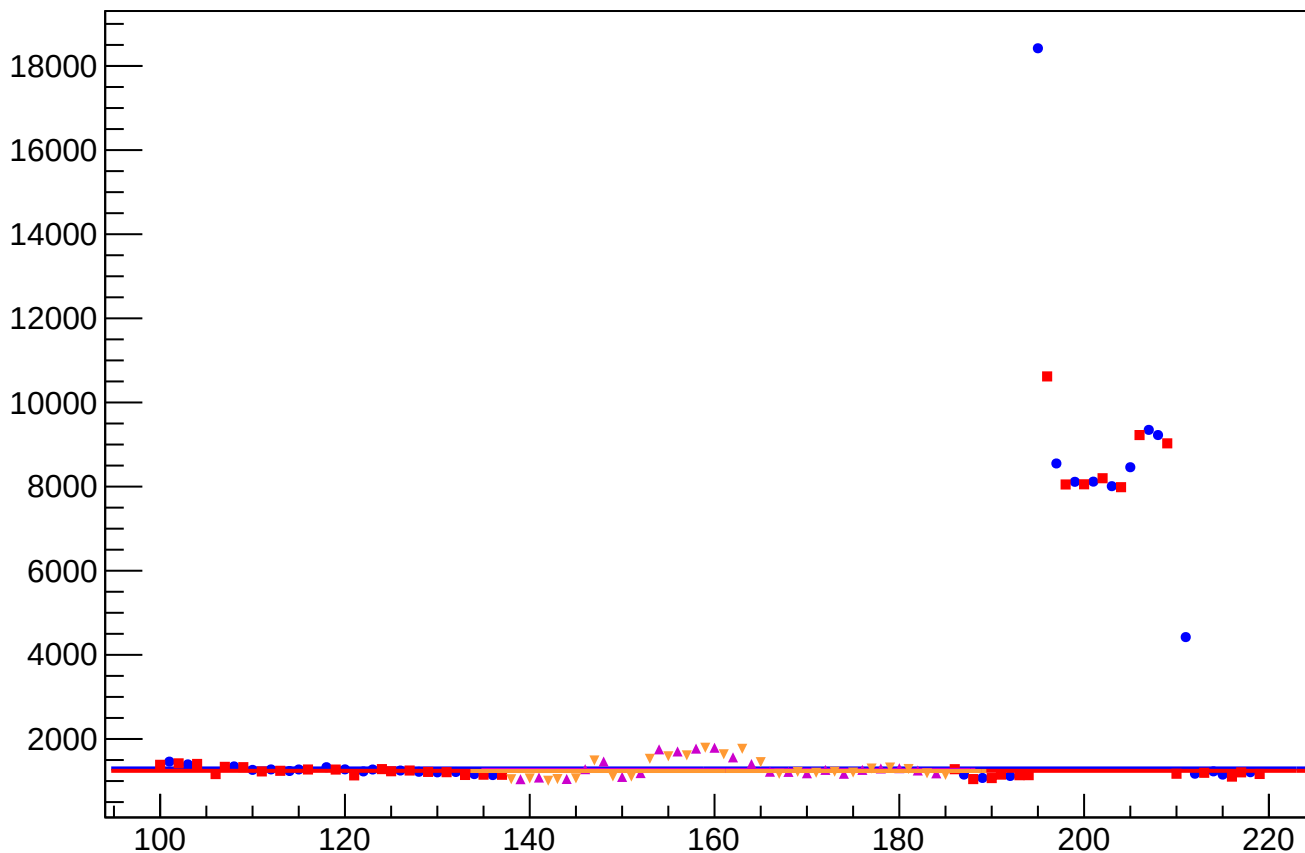
Left In: -1.404 ± 0.309 χ^2/NDF : 34.1/22

+ sign -1.668 ± 0.228 χ^2/NDF : 941.9/57

All: -2.130 ± 0.159 χ^2/NDF : 2736.7/117

- sign -2.568 ± 0.222 χ^2/NDF : 1786.8/59

diff_bpm0l08Y_rms vs Slug



Right In: 1299.938 ± 0.255 $\chi^2/\text{NDF}: 9731632.7/32$

Left Out: 1238.437 ± 0.208 $\chi^2/\text{NDF}: 965173.0/24$

Right Out: 1243.159 ± 0.225 $\chi^2/\text{NDF}: 7800544.2/36$

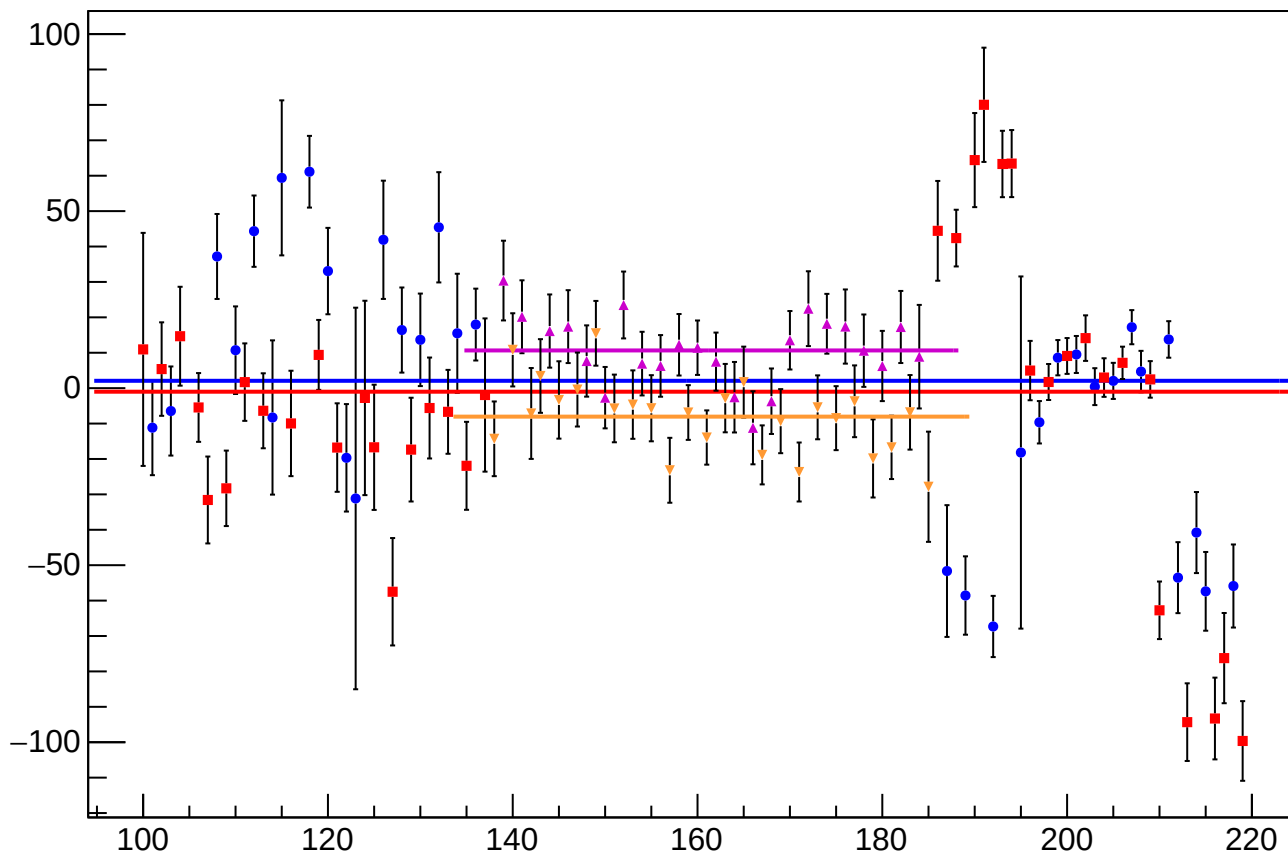
Left In: 1265.673 ± 0.218 $\chi^2/\text{NDF}: 845157.0/22$

+ sign 1262.964 ± 0.161 $\chi^2/\text{NDF}: 10731801.8/57$

All: 1258.755 ± 0.112 $\chi^2/\text{NDF}: 19383982.2/100$

- sign 1254.761 ± 0.157 $\chi^2/\text{NDF}: 8650848.1/59$

diff_bpm0l09X_mean vs Slug



Right In: 2.077 ± 1.504 $\chi^2/\text{NDF}: 320.4/32$

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

Right Out: -1.002 ± 1.502 $\chi^2/\text{NDF}: 539.9/36$

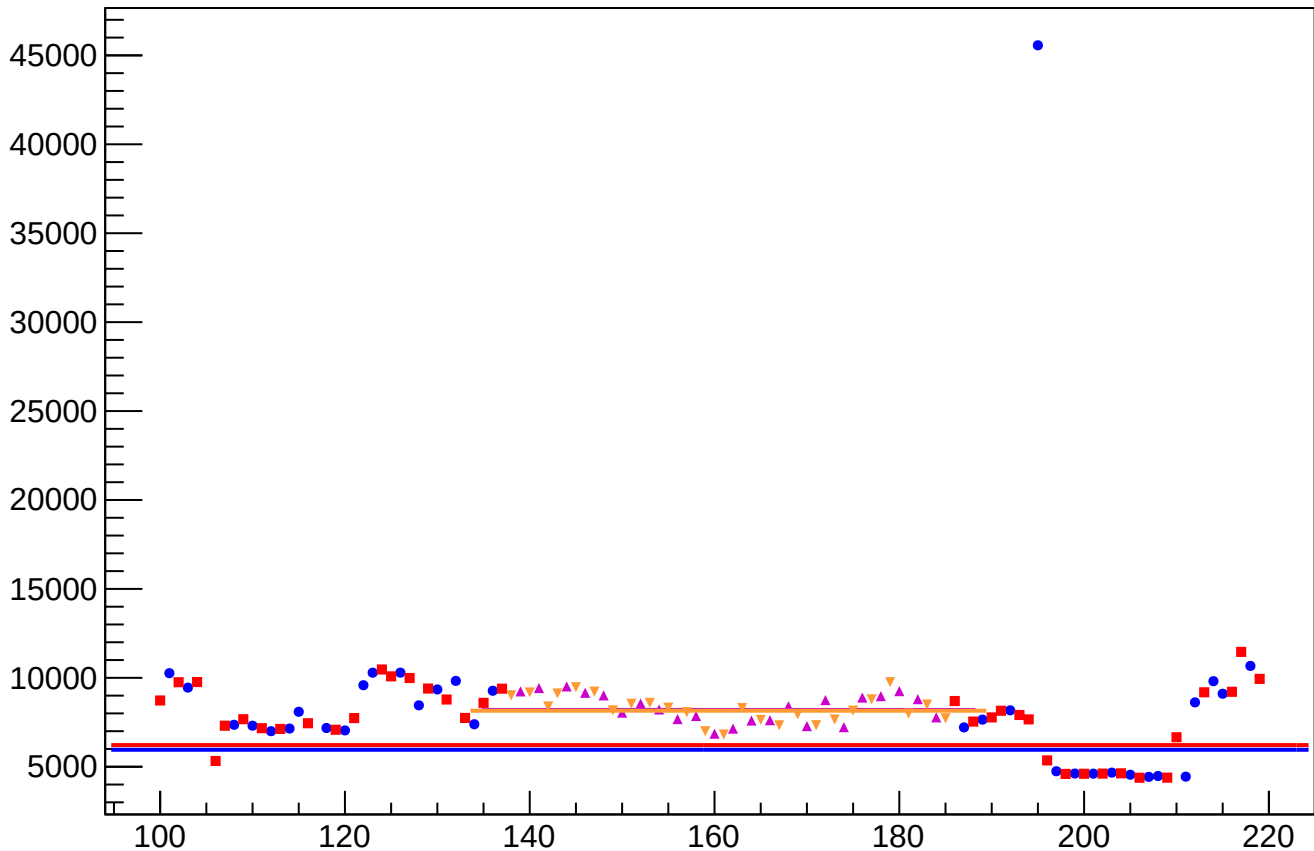
Left In: 10.653 ± 1.988 $\chi^2/\text{NDF}: 21.4/22$

+ sign -1.776 ± 1.184 $\chi^2/\text{NDF}: 363.9/57$

All: 0.698 ± 0.842 $\chi^2/\text{NDF}: 955.9/117$

- sign 3.233 ± 1.198 $\chi^2/\text{NDF}: 583.2/59$

diff_bpm0l09X_rms vs Slug



Right In: 5954.752 $\pm$ 1.064 χ^2 /NDF: 4776900.8/32

Left Out: 8151.489 $\pm$ 1.356 χ^2 /NDF: 321803.3/24

Right Out: 6217.218 $\pm$ 1.062 χ^2 /NDF: 3443295.2/36

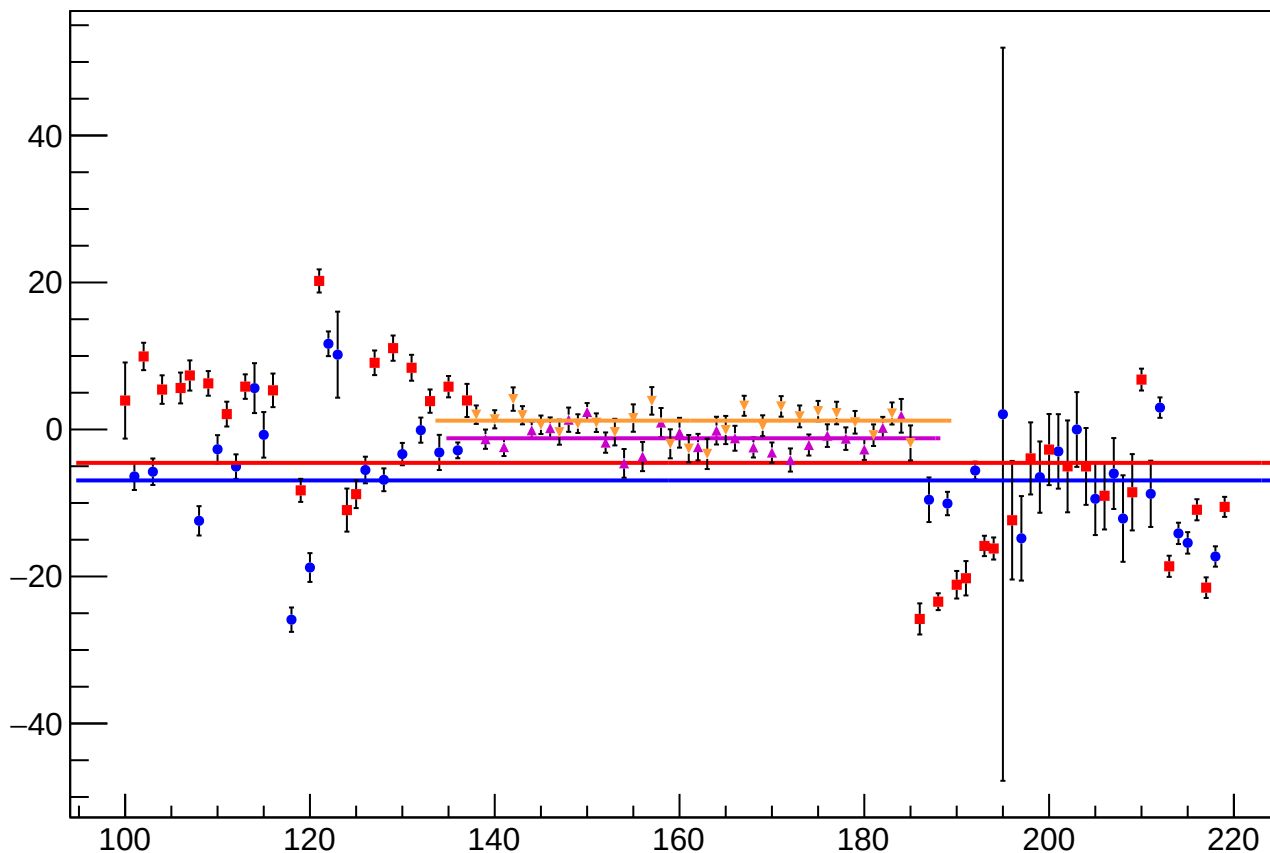
Left In: 8193.636 $\pm$ 1.405 χ^2 /NDF: 338377.6/22

+ sign 6791.214 $\pm$ 0.837 χ^2 /NDF: 6723013.0/57

All: 6862.452 $\pm$ 0.595 χ^2 /NDF: 11778305.6/1

- sign 6935.451 $\pm$ 0.847 χ^2 /NDF: 5040624.1/59

diff_bpm0l09Y_mean vs Slug



Right In: -6.932 ± 0.339 $\chi^2/\text{NDF}: 546.1/32$

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

Right Out: -4.542 ± 0.305 $\chi^2/\text{NDF}: 1785.3/36$

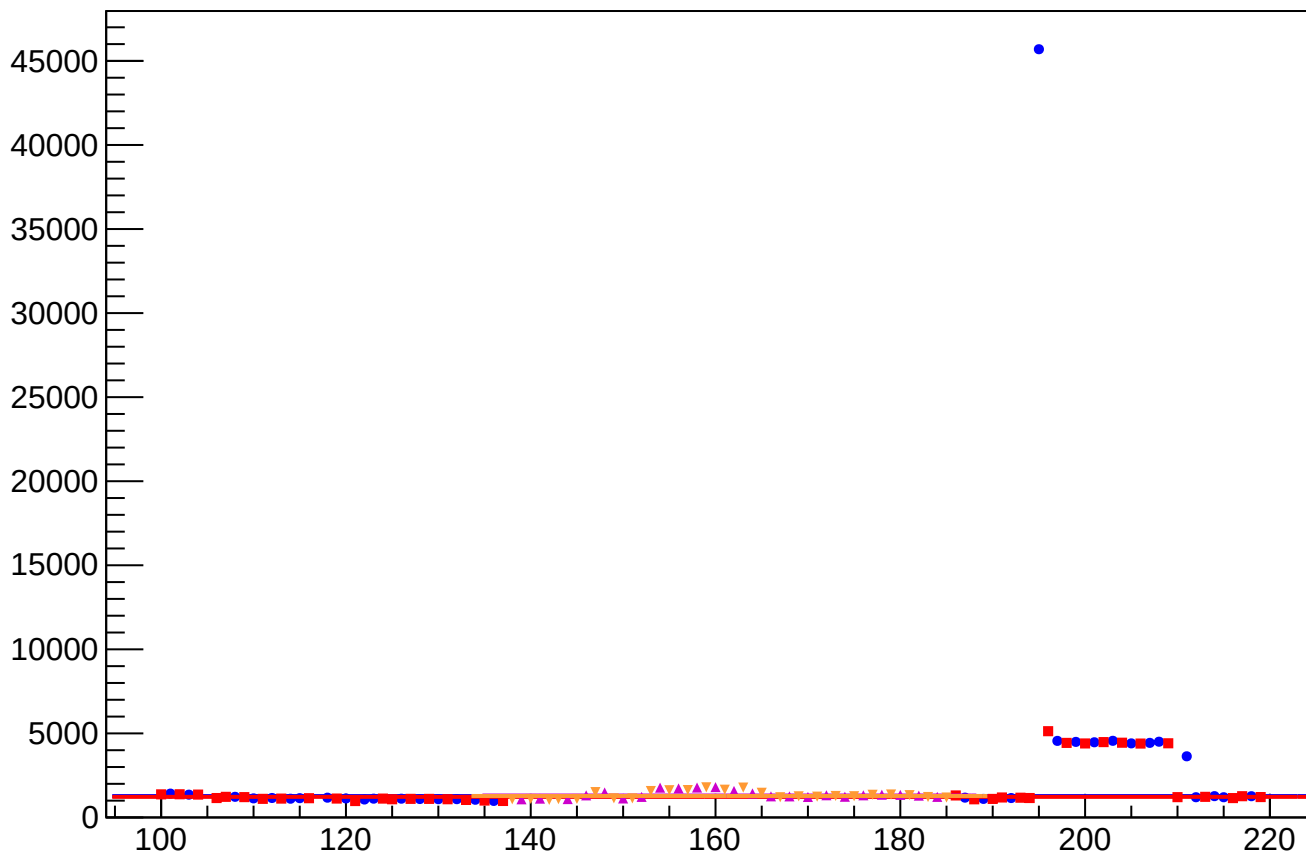
Left In: -1.198 ± 0.318 $\chi^2/\text{NDF}: 31.2/22$

+ sign -2.402 ± 0.226 $\chi^2/\text{NDF}: 896.7/57$

All: -2.678 ± 0.158 $\chi^2/\text{NDF}: 2773.6/117$

- sign -2.940 ± 0.220 $\chi^2/\text{NDF}: 1874.0/59$

diff_bpm0l09Y_rms vs Slug



Right In: 1272.305+/-0.240 χ^2/NDF : 7977578.0/32

Left Out: 1277.916+/-0.214 χ^2/NDF : 878127.9/24

Right Out: 1225.419+/-0.216 χ^2/NDF : 5508138.9/36

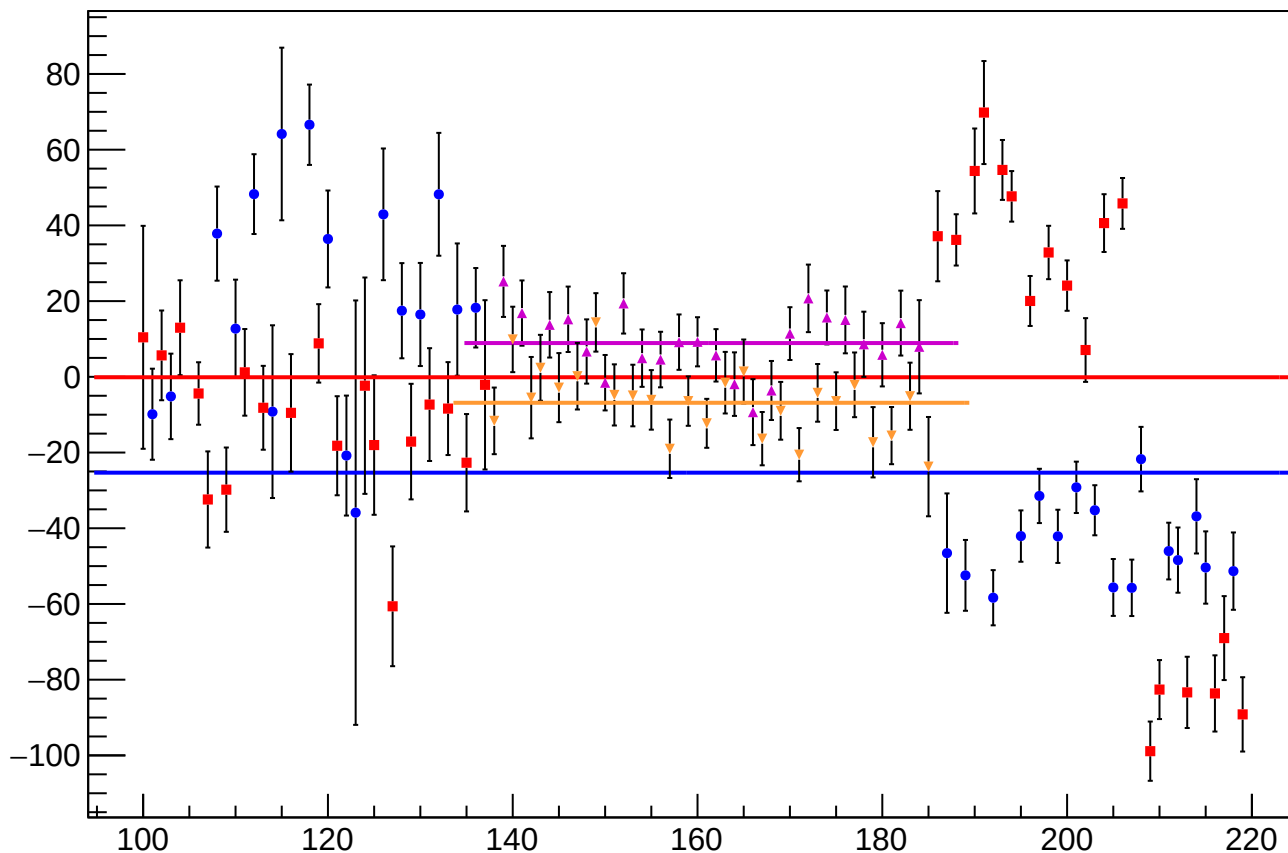
Left In: 1305.541+/-0.225 χ^2/NDF : 760450.8/22

+ sign 1275.429+/-0.160 χ^2/NDF : 8856011.1/57

All: 1269.478+/-0.111 χ^2/NDF : 15193379.3/1

- sign 1263.812+/-0.156 χ^2/NDF : 6334653.5/59

diff_bpm0l10X_mean vs Slug



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

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

Right Out: -0.113 ± 1.617 χ^2/NDF : 886.7/36

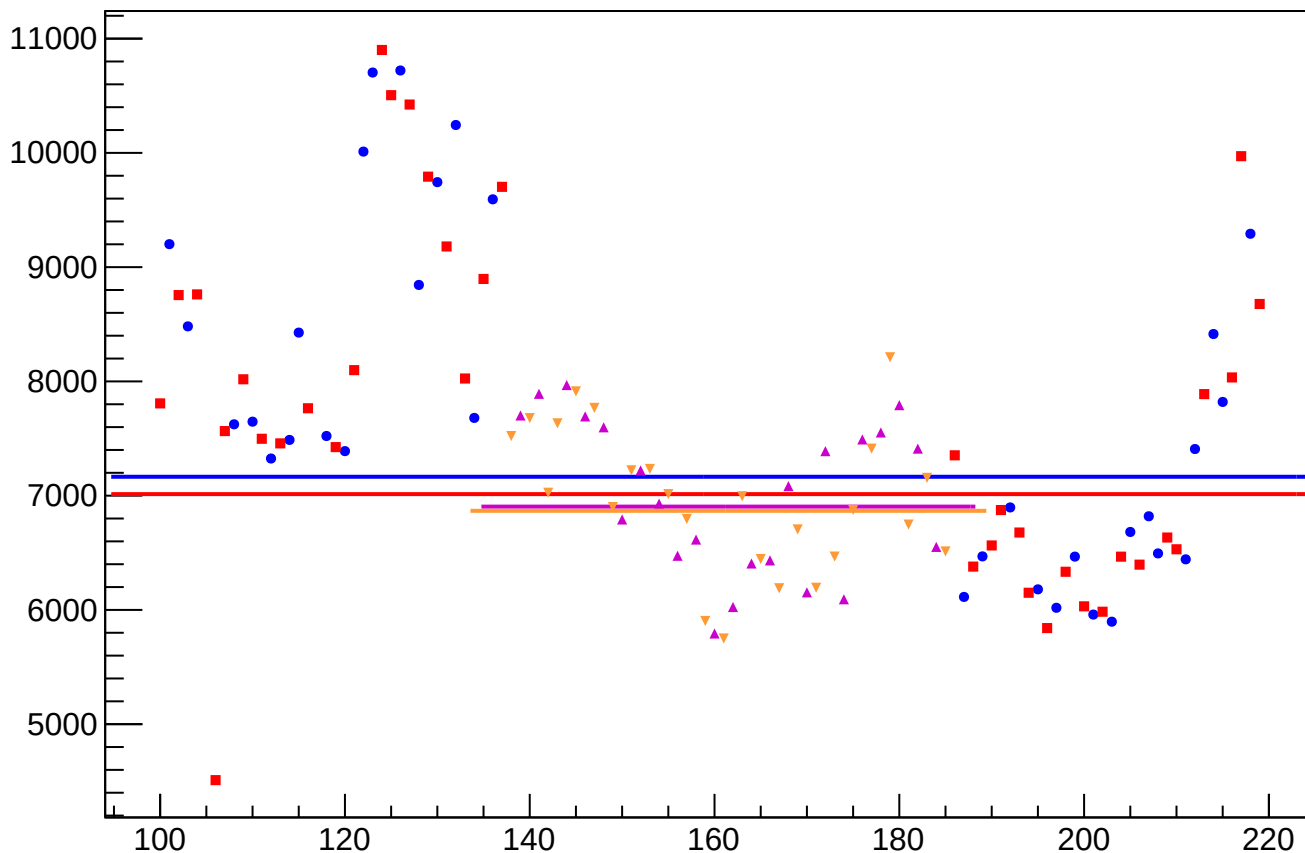
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

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

All: -5.569 ± 0.826 χ^2/NDF : 1548.9/117

- sign 4.248 ± 1.163 χ^2/NDF : 923.6/59

diff_bpm0l10X_rms vs Slug



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

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

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

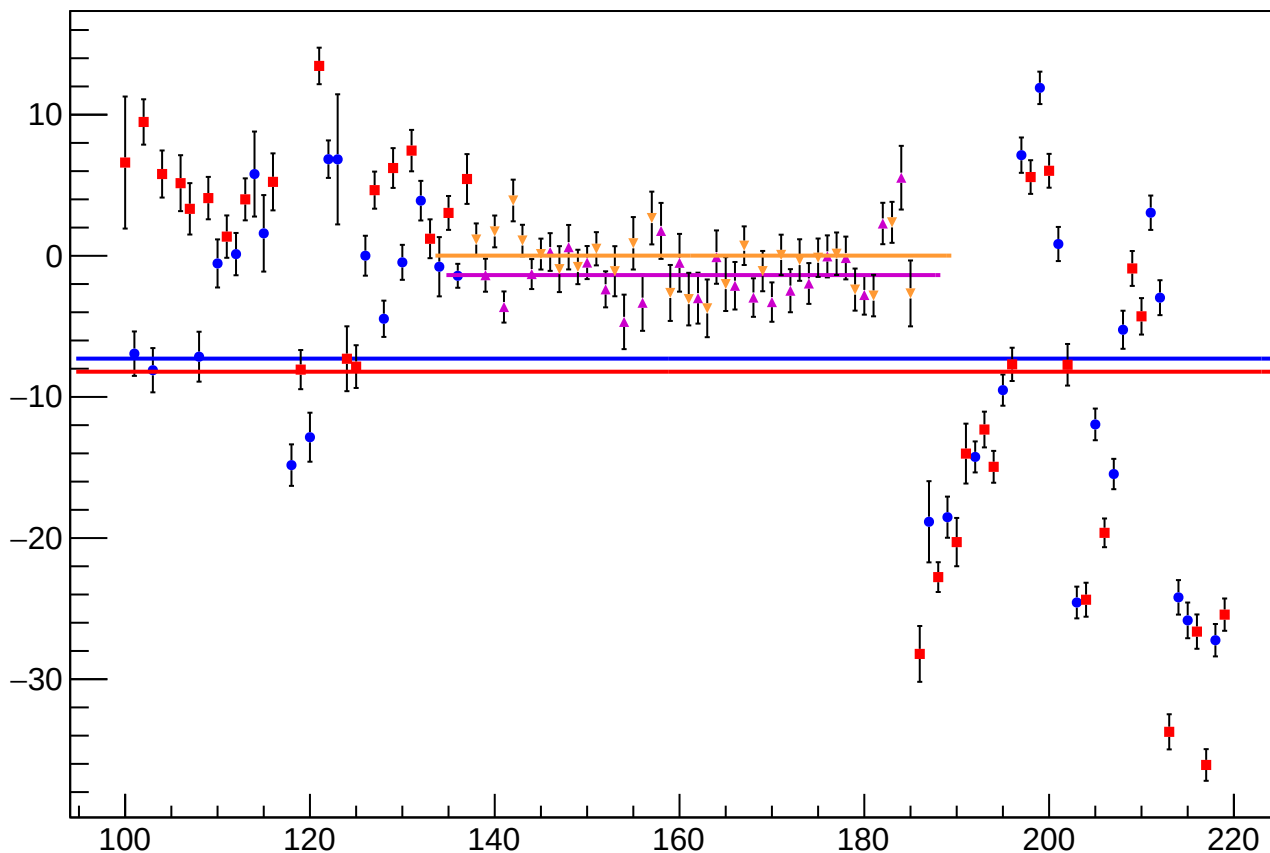
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

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

All: 6984.155+/-0.584 χ^2/NDF : 2865278.2/11

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

diff_bpm0l10Y_mean vs Slug



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

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

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

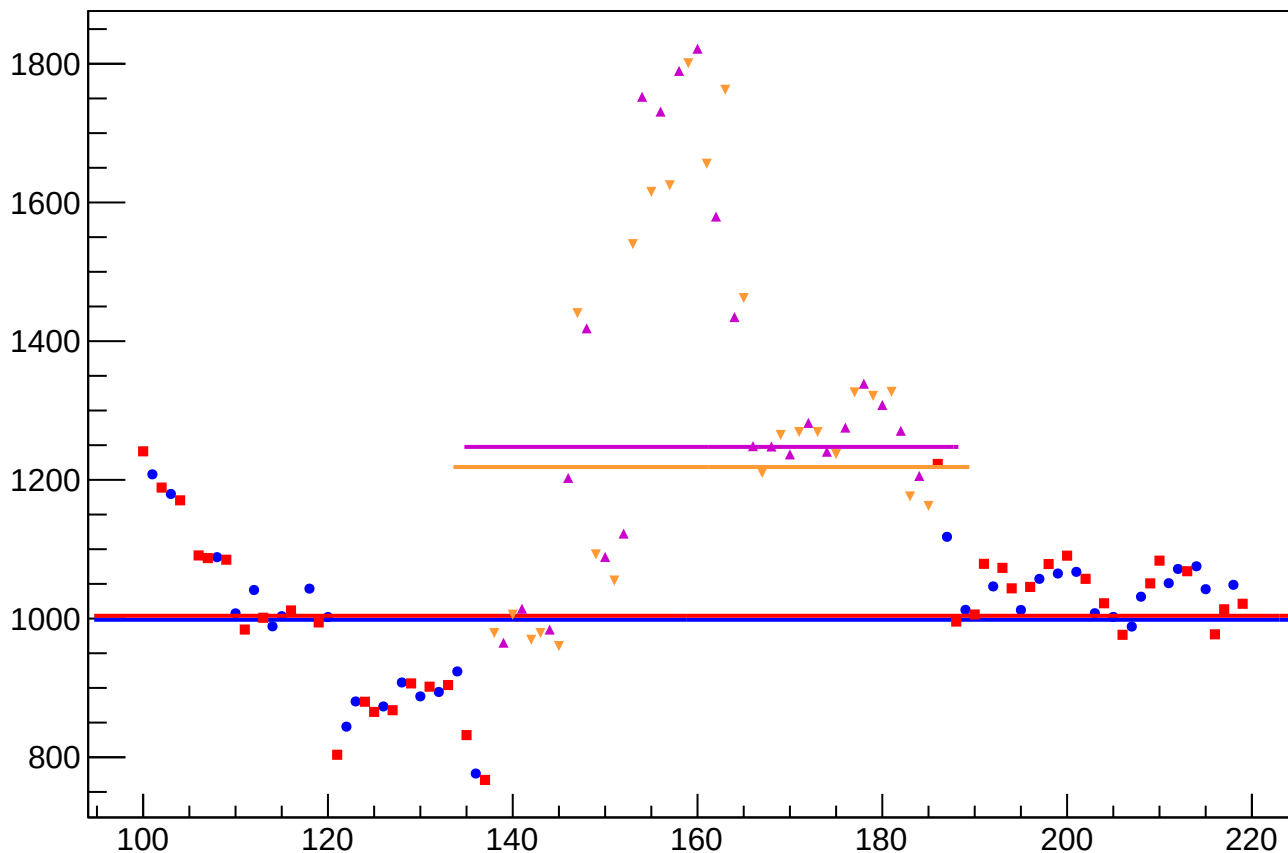
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

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

All: -5.079 ± 0.129 χ^2/NDF : 6712.1/117

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

diff_bpm0l10Y_rms vs Slug



Right In: 998.284 ± 0.166 χ^2/NDF : 343136.4/32

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

Right Out: 1004.033 ± 0.161 χ^2/NDF : 342836.8/36

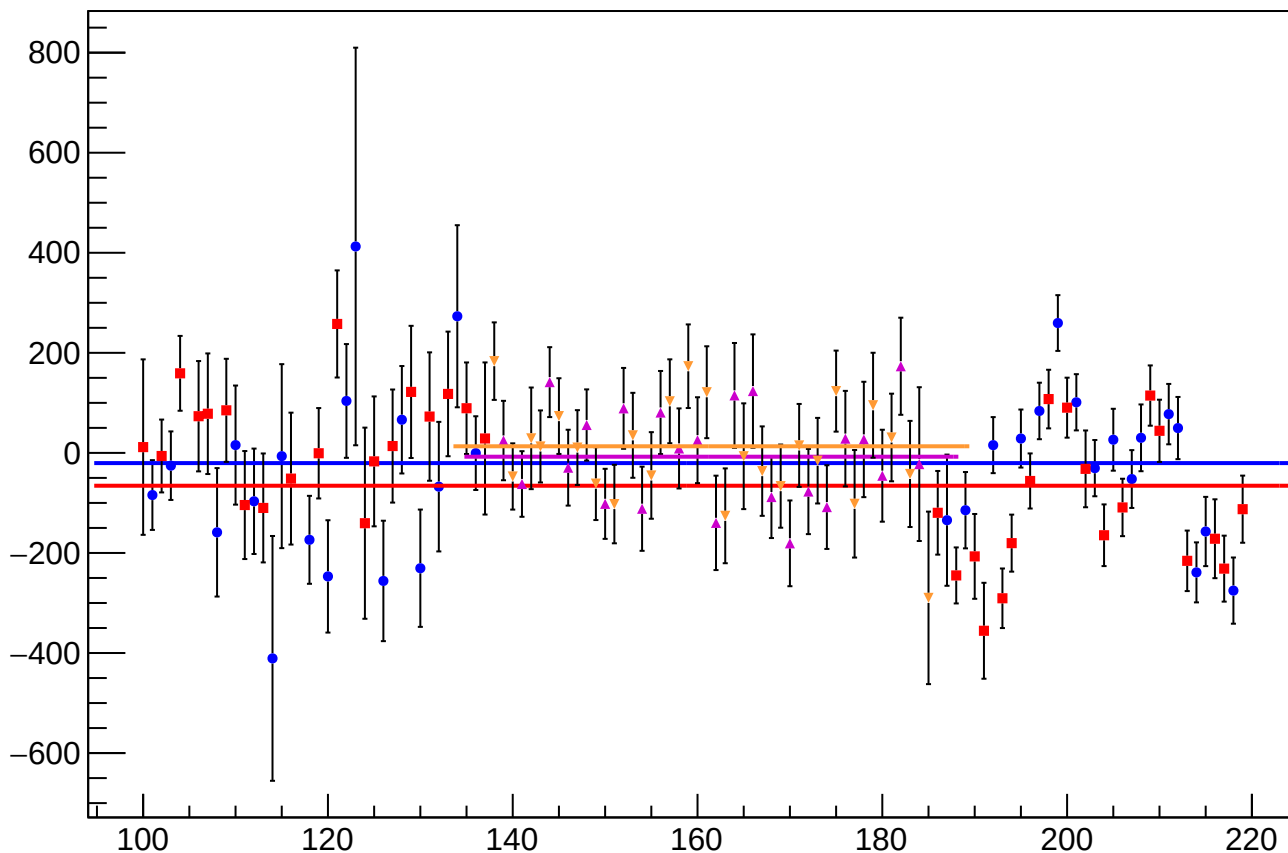
Left In: 1247.538 ± 0.216 χ^2/NDF : 1073390.3/22

+ sign 1085.481 ± 0.129 χ^2/NDF : 2306327.0/57

All: 1088.281 ± 0.091 χ^2/NDF : 4539879.4/11

- sign 1091.088 ± 0.129 χ^2/NDF : 2232609.1/59

diff_bpm0r03X_mean vs Slug



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

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

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

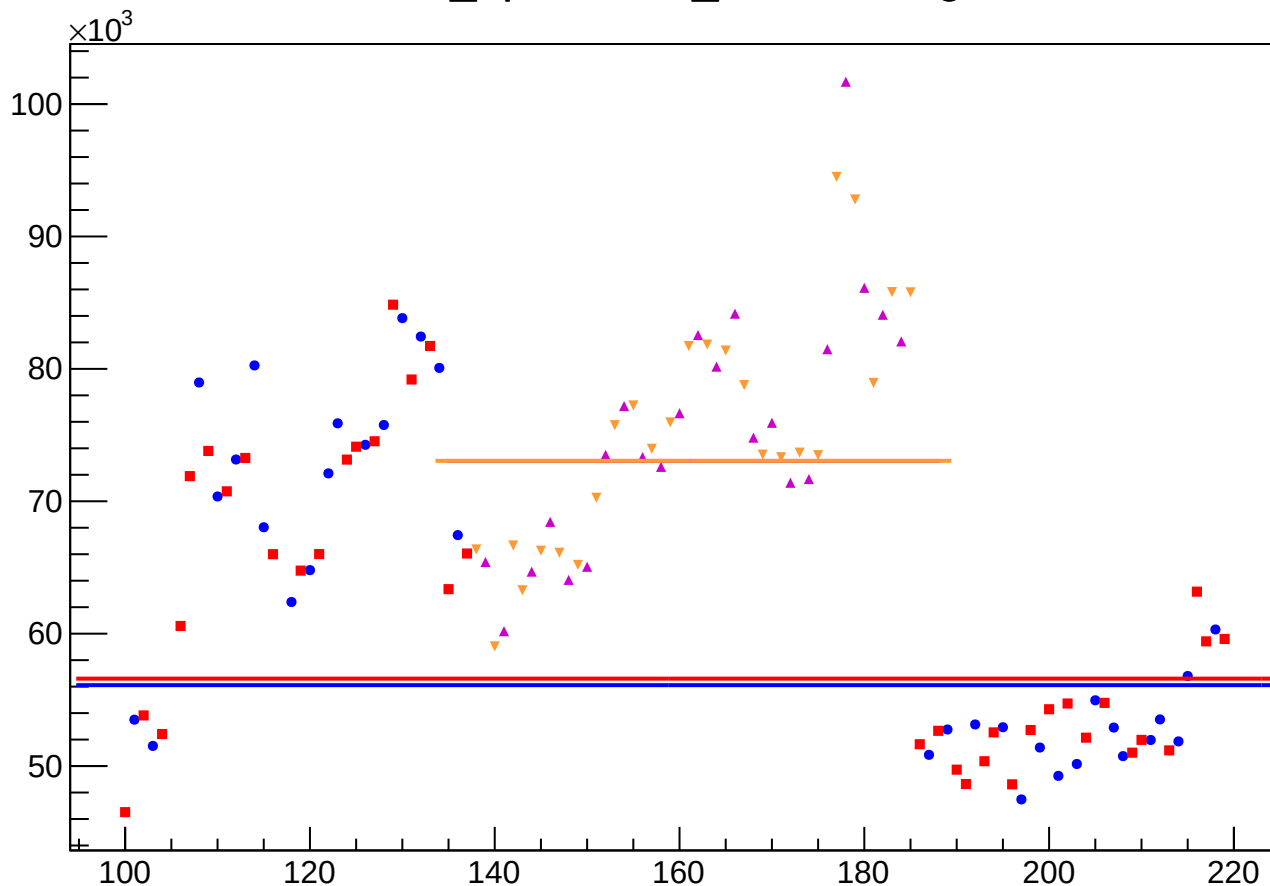
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

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

All: -26.658 ± 7.416 χ^2/NDF : 291.0/117

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

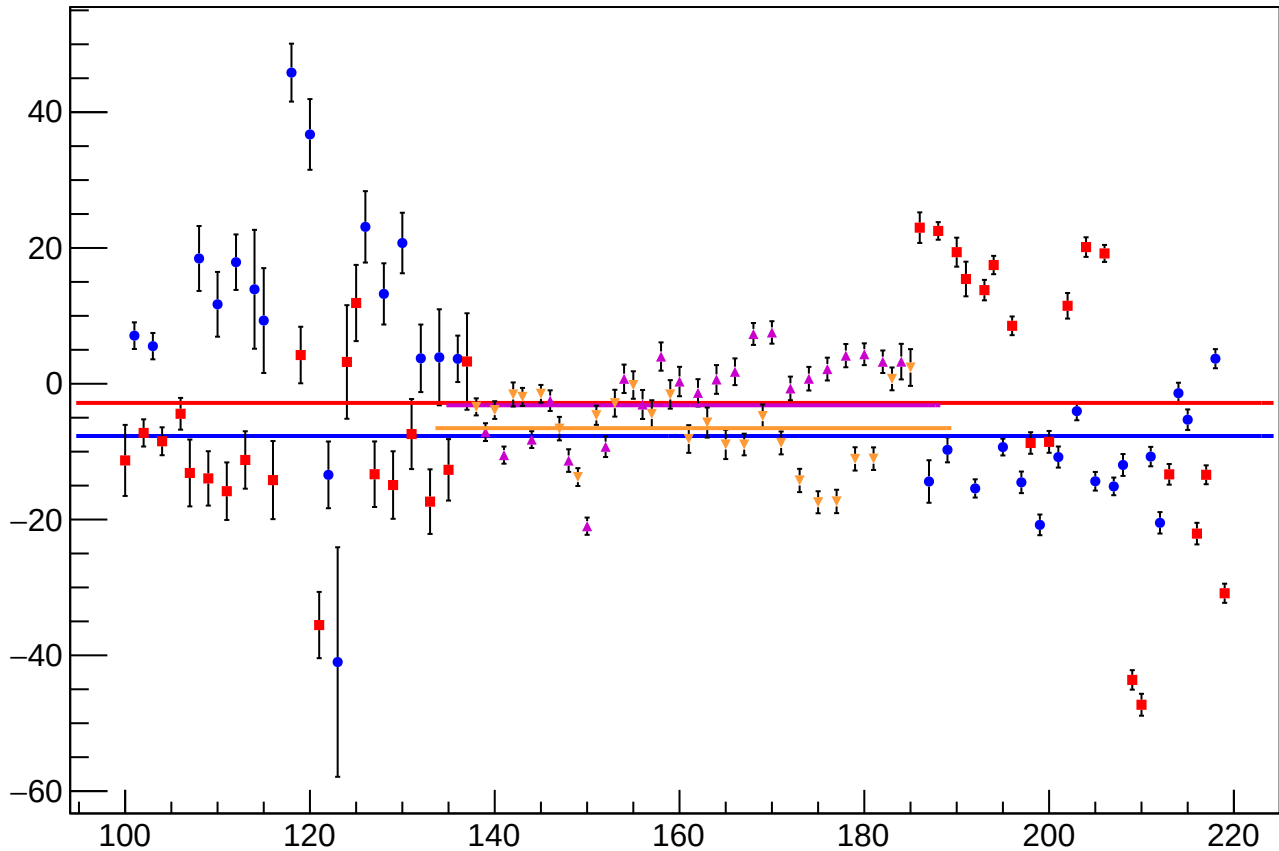
diff_bpm0r03X_rms vs Slug



Right In: 56110.184 ± 9.424 $\chi^2/\text{NDF}: 822644.8/32$
 Left Out: 73054.401 ± 12.124 $\chi^2/\text{NDF}: 473050.9/24$
 Right Out: 56603.921 ± 9.167 $\chi^2/\text{NDF}: 794146.1/36$
 Left In: 73045.500 ± 12.496 $\chi^2/\text{NDF}: 463525.5/22$

+ sign 62491.675 ± 7.440 $\chi^2/\text{NDF}: 2513266.3/57$
 All: 62423.678 ± 5.244 $\chi^2/\text{NDF}: 4896630.9/100$
 - sign 62356.576 ± 7.391 $\chi^2/\text{NDF}: 2383198.6/59$

diff_bpm0r03Y_mean vs Slug



Right In: -7.696 ± 0.348 $\chi^2/\text{NDF}: 912.9/32$

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

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

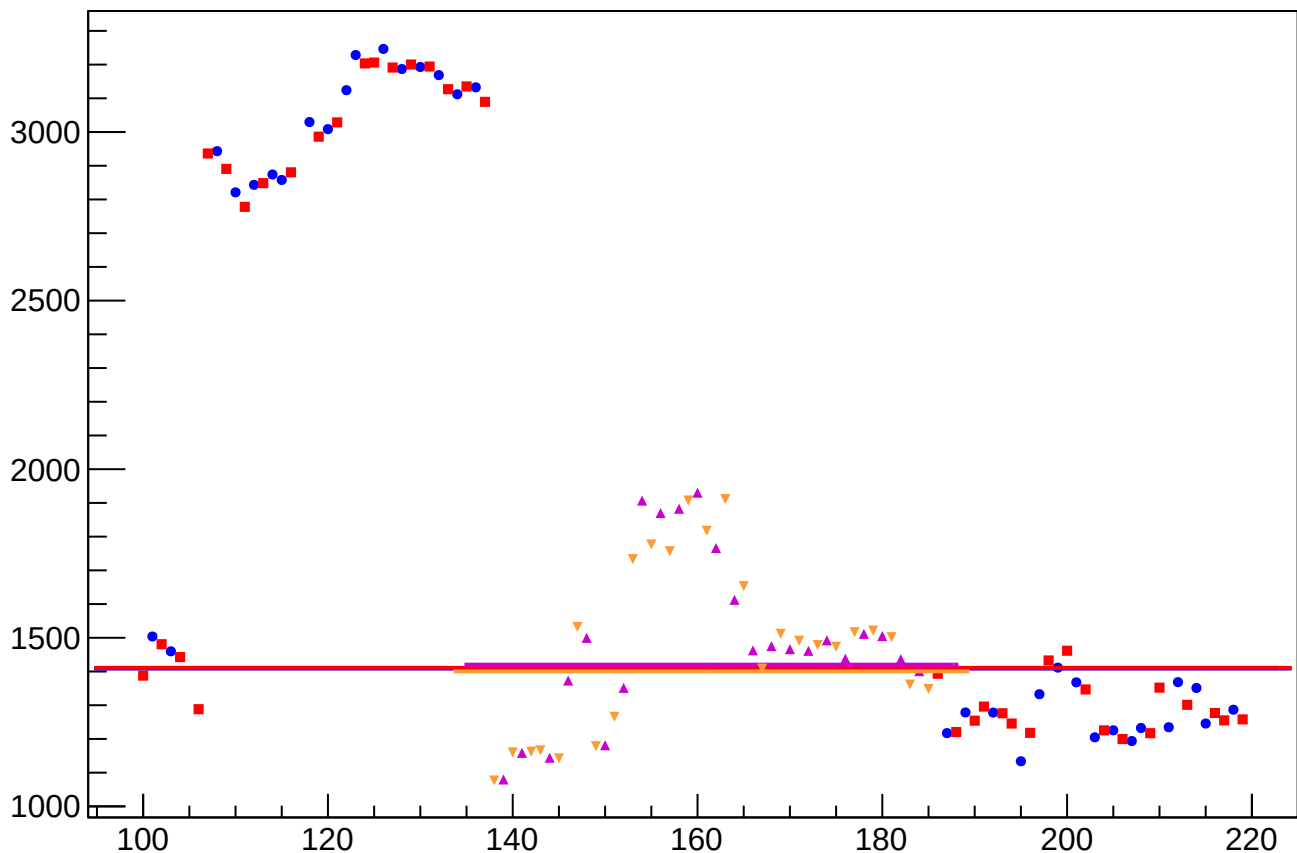
Left In: -3.171 ± 0.346 $\chi^2/\text{NDF}: 487.3/22$

+ sign -7.089 ± 0.240 $\chi^2/\text{NDF}: 1171.4/57$

All: -5.047 ± 0.170 $\chi^2/\text{NDF}: 5883.3/117$

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

diff_bpm0r03Y_rms vs Slug



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

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

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

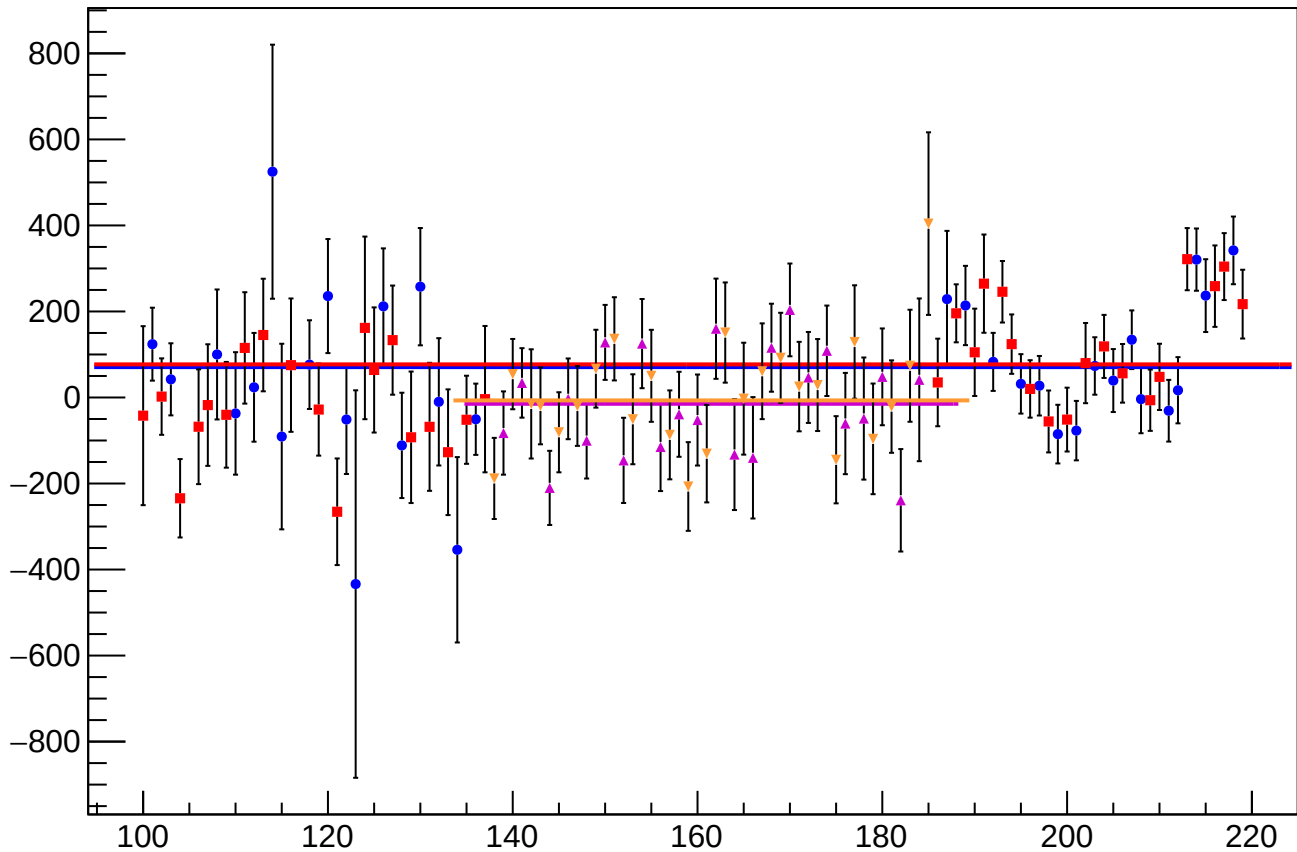
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF: 905186.2/22

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

All: 1409.931 $\pm$ 0.120 χ^2 /NDF: 9203271.2/11

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

diff_bpm0r05X_mean vs Slug



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

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

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

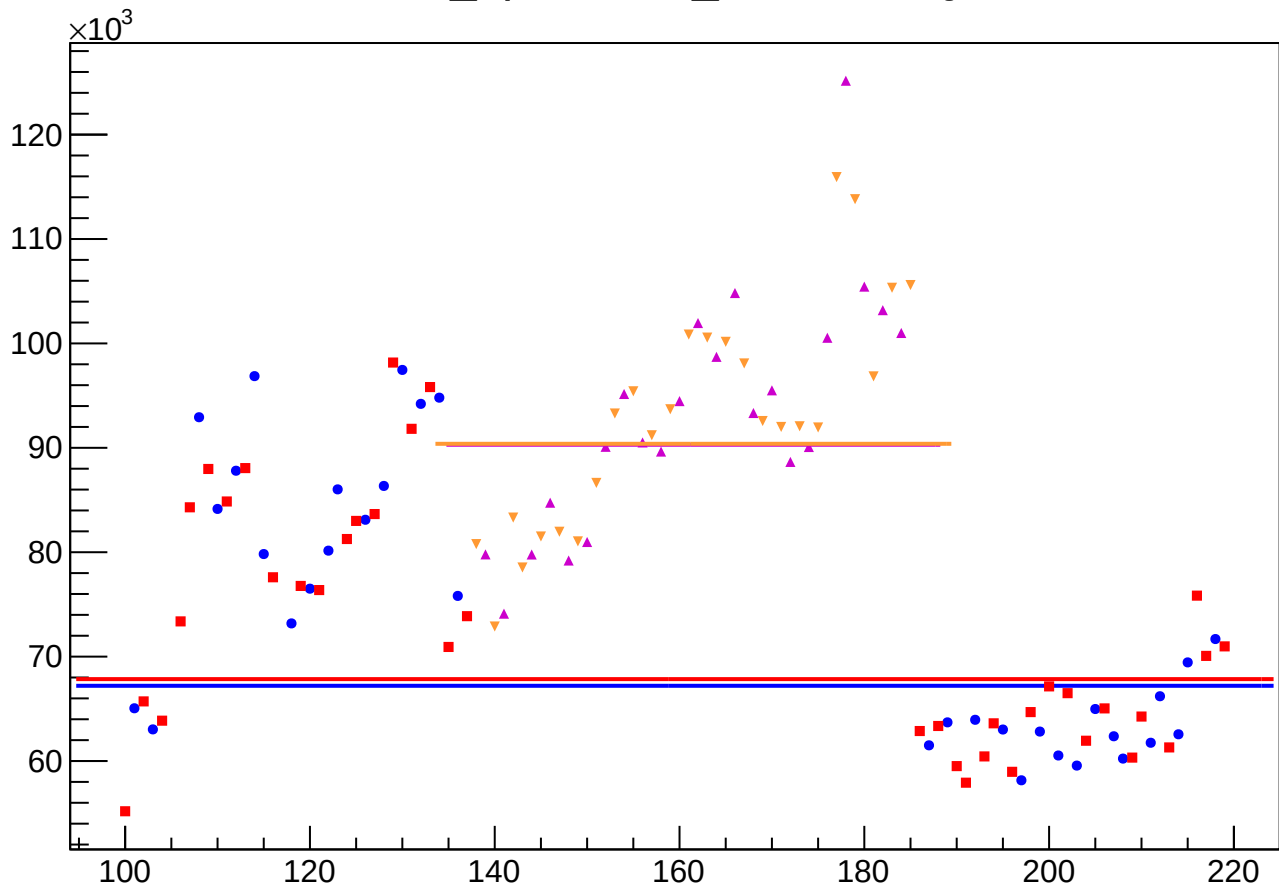
Left In: -14.611 $\pm$ 21.846 χ^2 /NDF: 29.8/22

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

All: 44.487 $\pm$ 8.978 χ^2 /NDF: 218.6/117

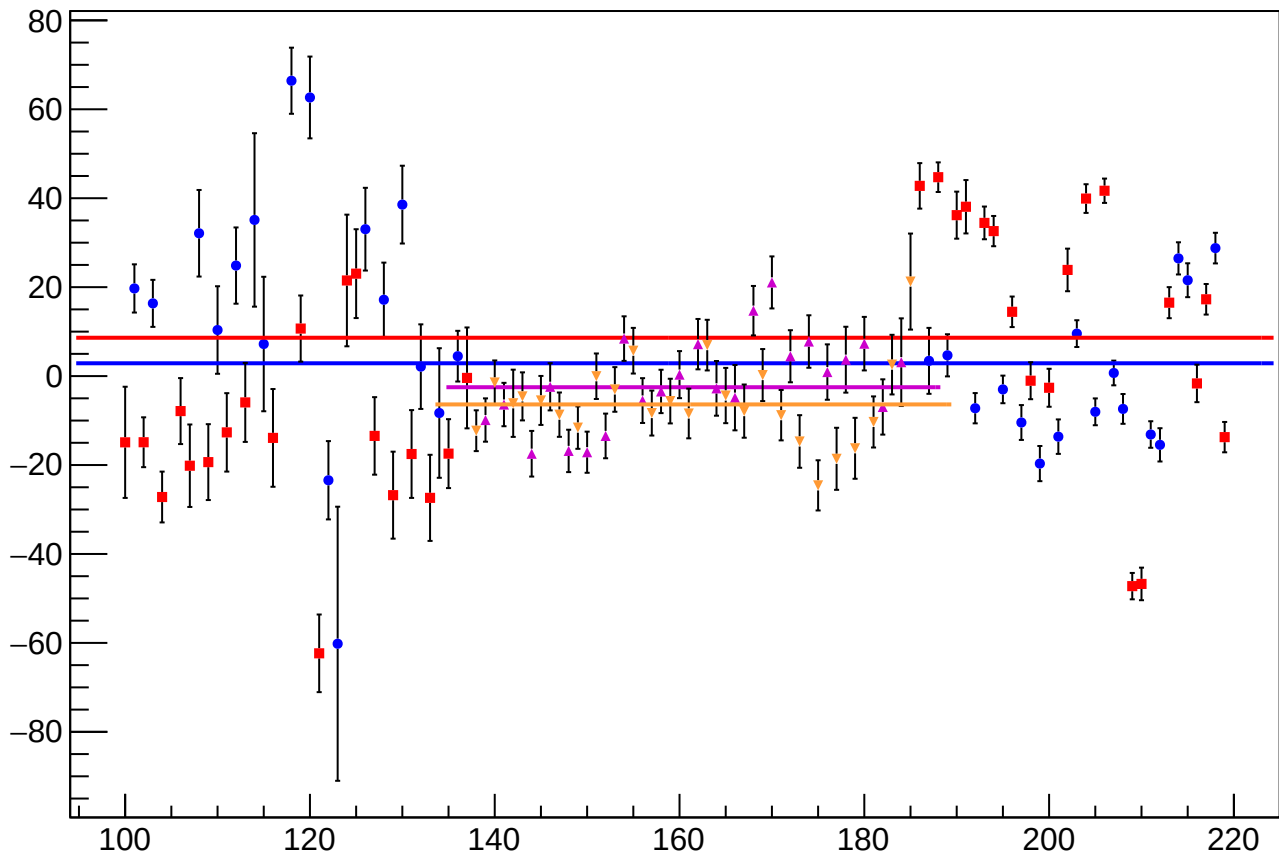
- sign 46.261 $\pm$ 12.652 χ^2 /NDF: 119.9/59

diff_bpm0r05X_rms vs Slug



Right In: 67206.388 $\pm$ 11.269	χ^2 /NDF: 670030.3/32	+ sign 75568.876 $\pm$ 9.010	χ^2 /NDF: 2657962.9/57
Left Out: 90384.853 $\pm$ 15.000	χ^2 /NDF: 461648.2/24	All: 75471.307 $\pm$ 6.348	χ^2 /NDF: 5191223.6/1
Right Out: 67845.982 $\pm$ 10.974	χ^2 /NDF: 668308.2/36	- sign 75375.108 $\pm$ 8.946	χ^2 /NDF: 2533027.9/59
Left In: 90293.591 $\pm$ 15.448	χ^2 /NDF: 461337.5/22		

diff_bpm0r05Y_mean vs Slug



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

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

Right Out: 8.624 ± 0.795 $\chi^2/\text{NDF}: 1440.6/36$

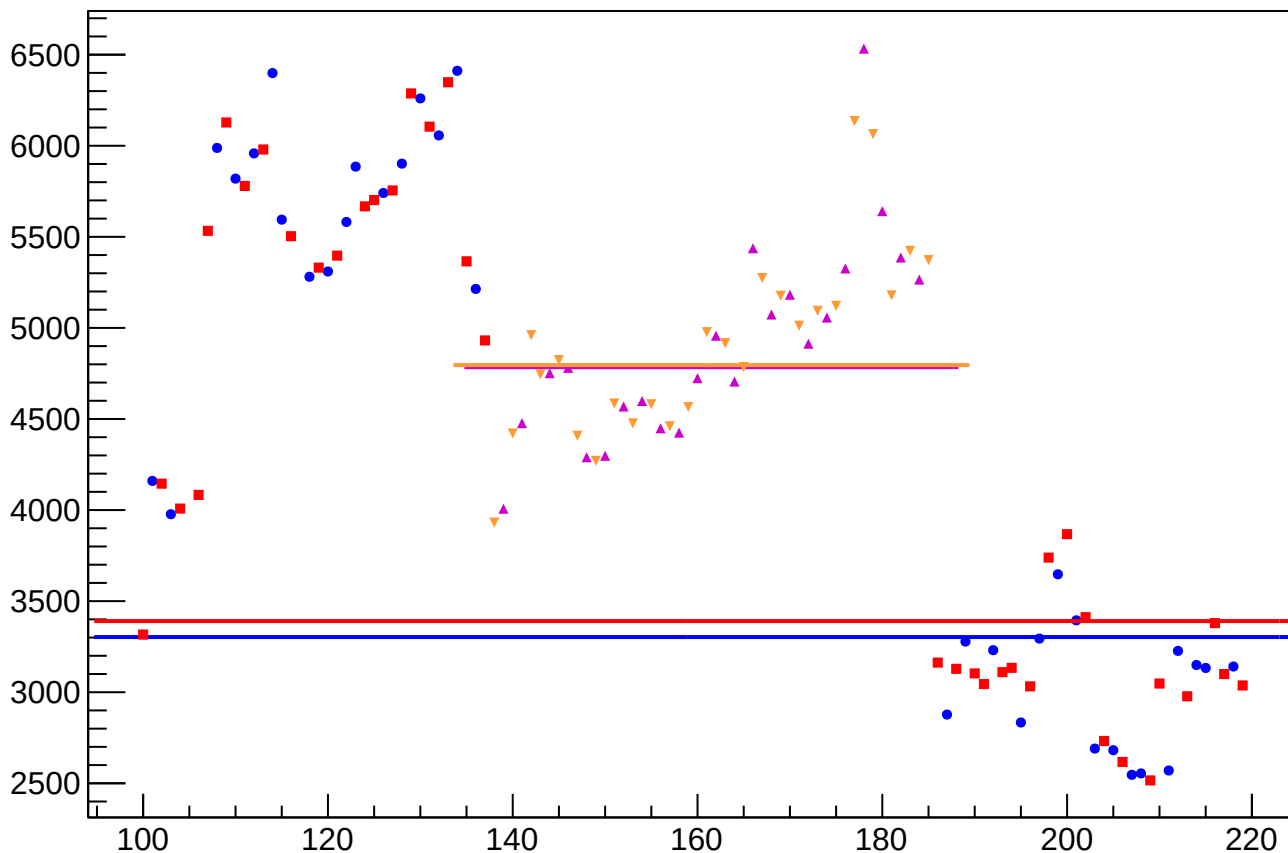
Left In: -2.501 ± 1.156 $\chi^2/\text{NDF}: 78.4/22$

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

All: 2.394 ± 0.463 $\chi^2/\text{NDF}: 2177.8/117$

- sign 5.049 ± 0.655 $\chi^2/\text{NDF}: 1581.9/59$

diff_bpm0r05Y_rms vs Slug



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

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

Right Out: 3390.578+/-0.562 χ^2 /NDF: 2614843.9/36

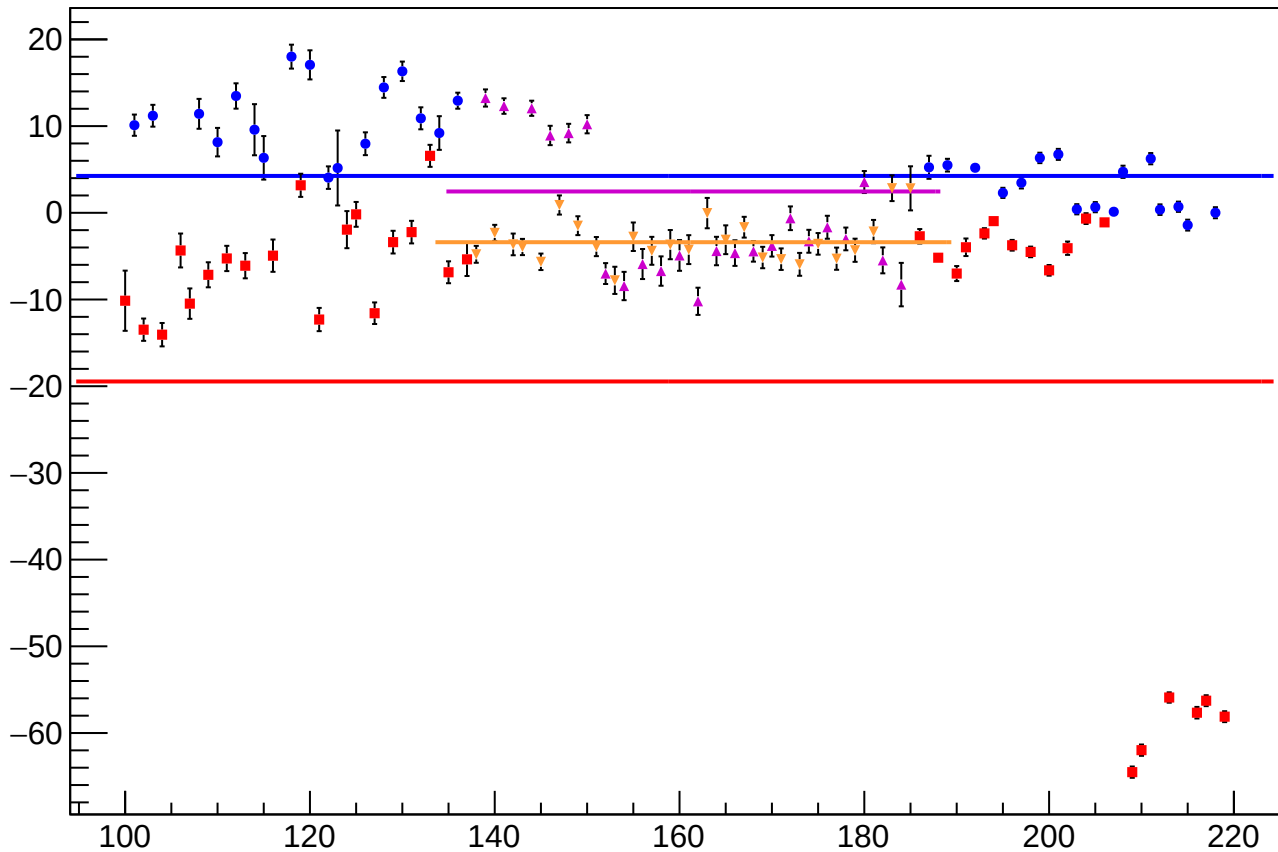
Left In: 4784.434+/-0.817 χ^2 /NDF:357507.2/22

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

All: 3823.964+/-0.327 χ^2 /NDF: 10341050.1/103

- sign 3838.455+/-0.463 χ^2 /NDF: 4946026.0/59

diff_bpm2i01X_mean vs Slug



Right In: 4.254 ± 0.143 $\chi^2/\text{NDF}: 987.1/32$

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

Right Out: -19.453 ± 0.138 $\chi^2/\text{NDF}: 32775.5/36$

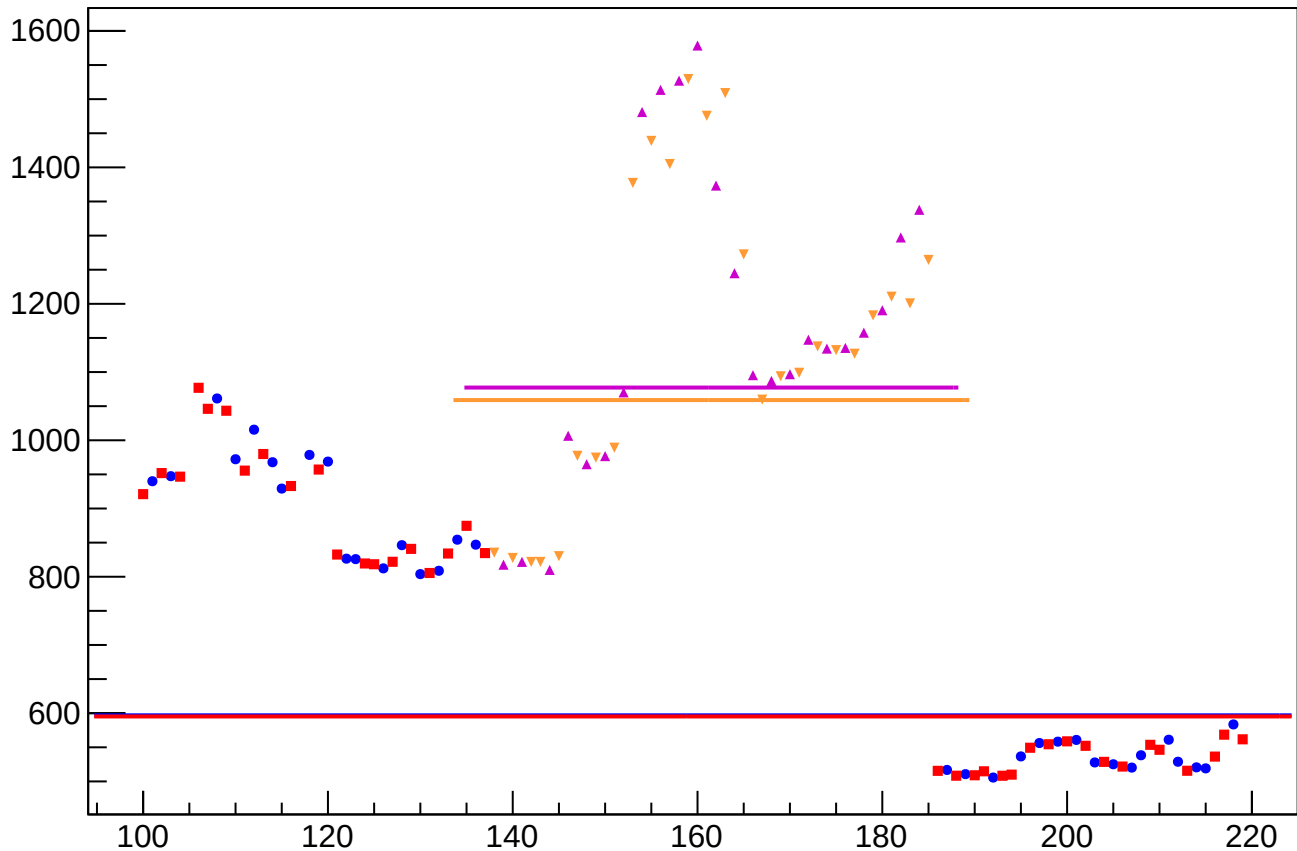
Left In: 2.461 ± 0.264 $\chi^2/\text{NDF}: 928.0/22$

+ sign 2.387 ± 0.125 $\chi^2/\text{NDF}: 1758.8/57$

All: -6.332 ± 0.087 $\chi^2/\text{NDF}: 50468.3/117$

- sign -14.748 ± 0.122 $\chi^2/\text{NDF}: 39099.5/59$

diff_bpm2i01X_rms vs Slug



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

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

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

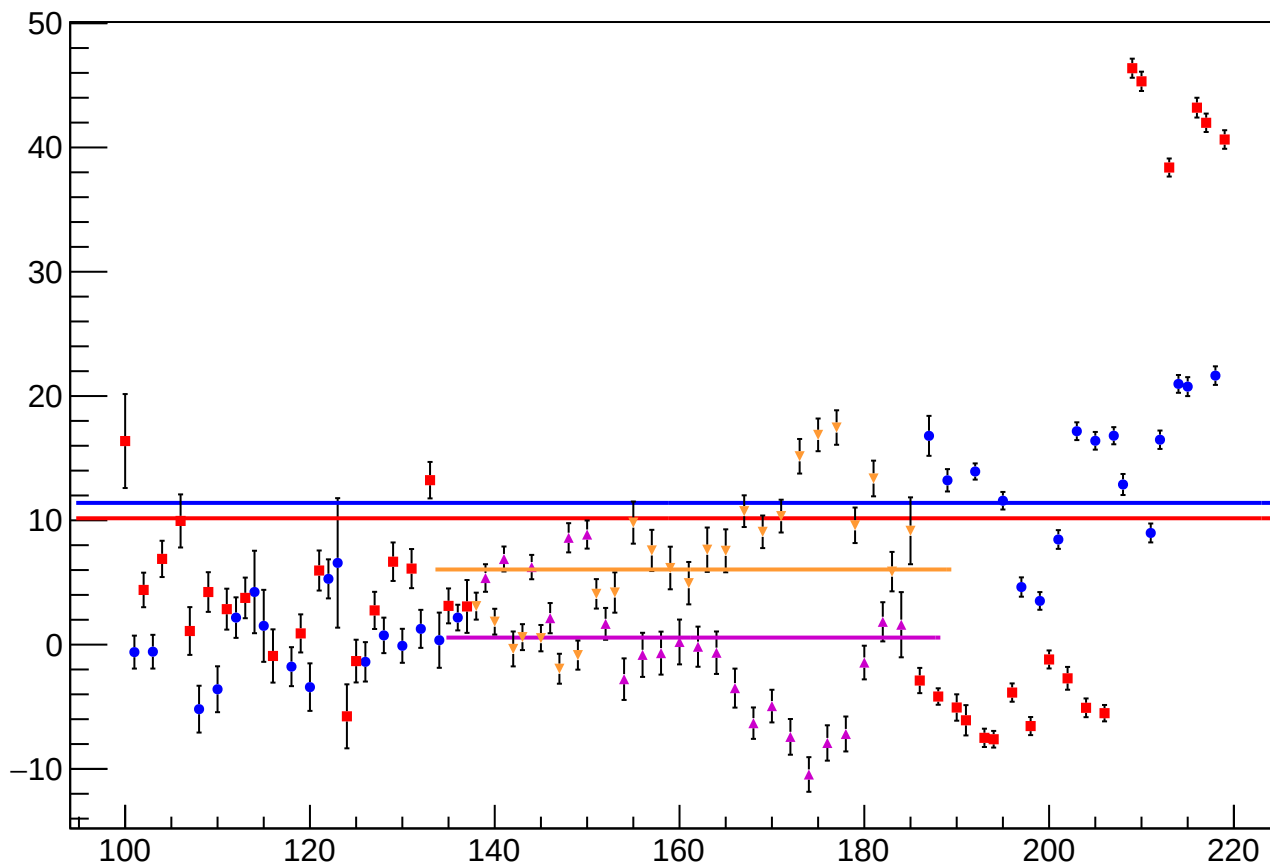
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF:1280349.9/22

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

All: 704.146 $\pm$ 0.062 χ^2 /NDF: 16995990.0/1

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

diff_bpm2i01Y_mean vs Slug



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

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

Right Out: 10.165 ± 0.165 $\chi^2/\text{NDF}: 15936.6/36$

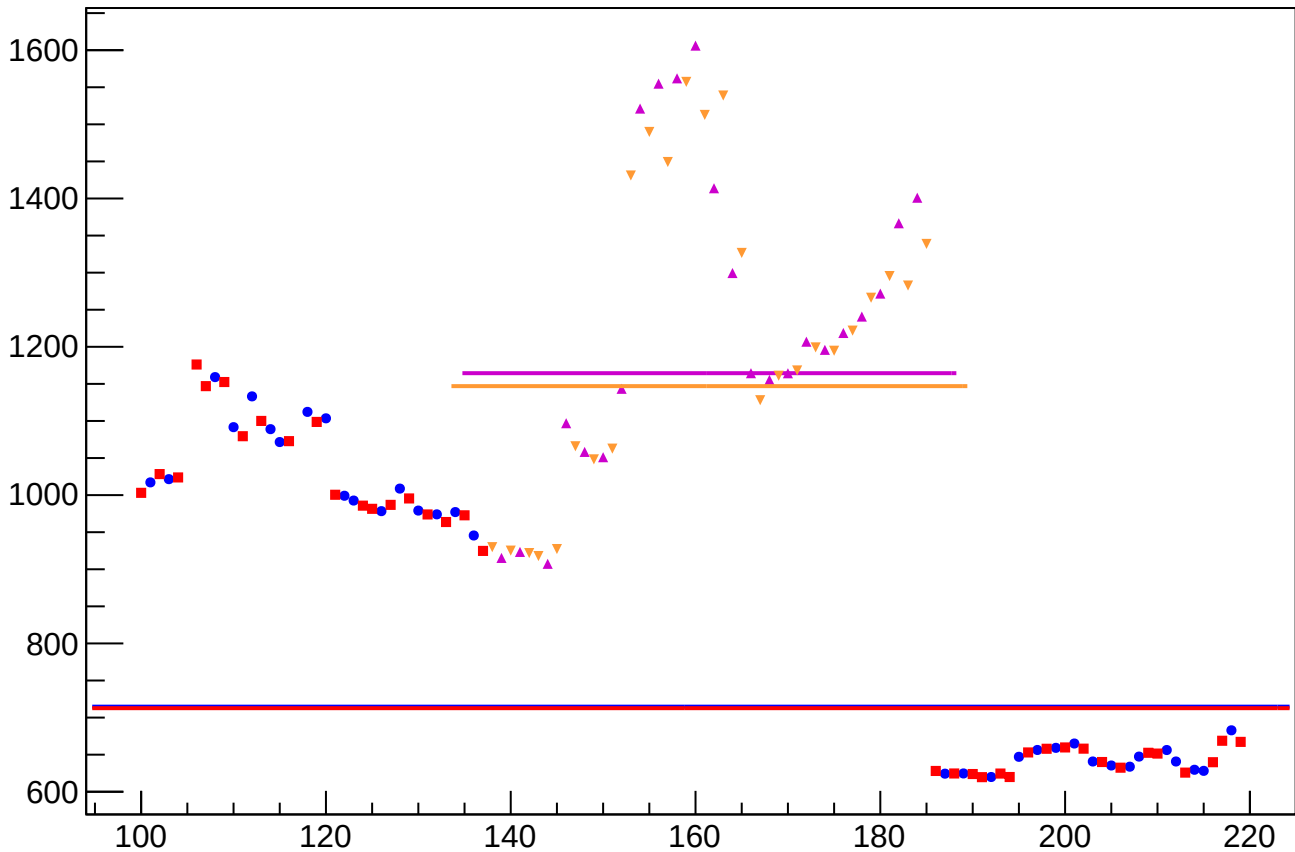
Left In: 0.566 ± 0.284 $\chi^2/\text{NDF}: 417.0/22$

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

All: 8.801 ± 0.102 $\chi^2/\text{NDF}: 19864.1/117$

- sign 7.751 ± 0.142 $\chi^2/\text{NDF}: 17208.0/59$

diff_bpm2i01Y_rms vs Slug



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

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

Right Out: 712.688 $\pm$ 0.116 χ^2 /NDF: 1737170.0/36

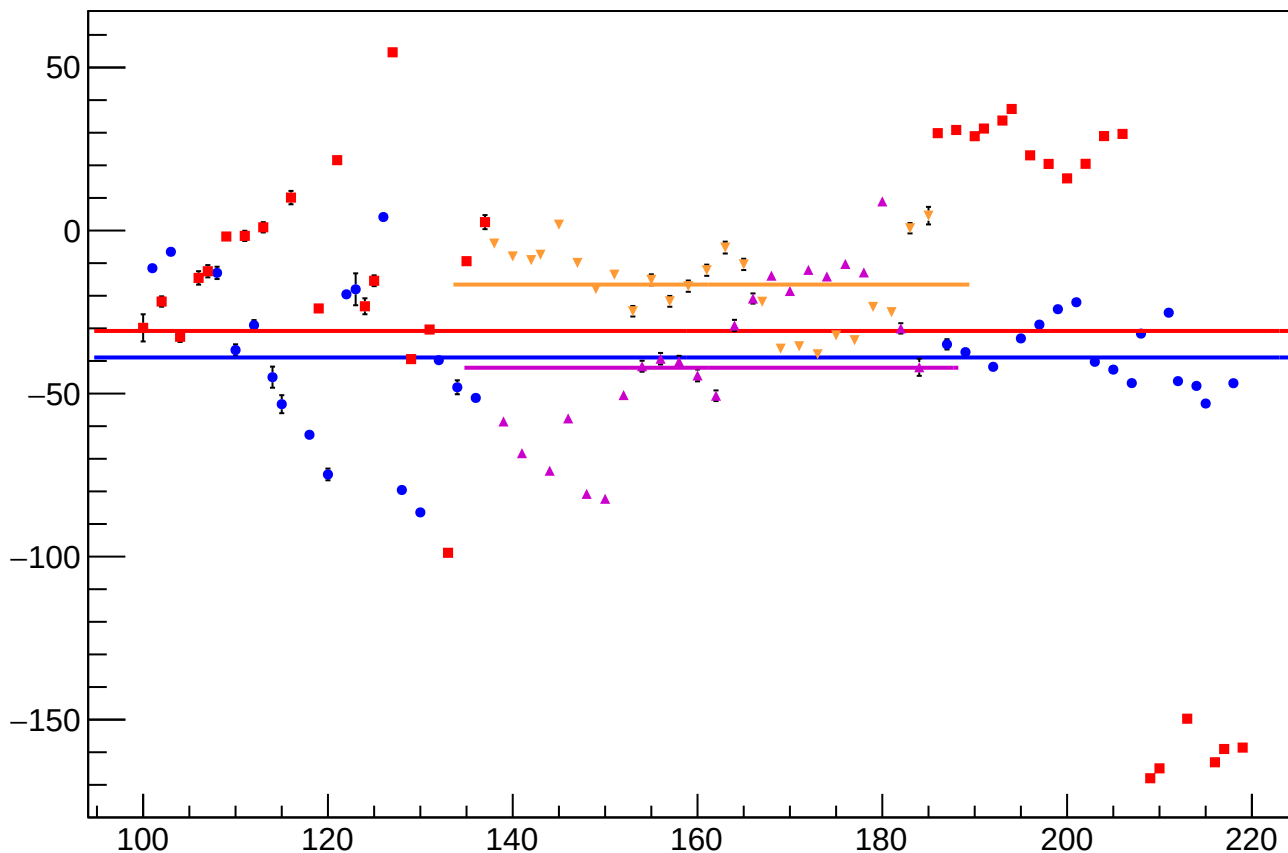
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF:944112.0/22

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

All: 831.747 $\pm$ 0.072 χ^2 /NDF: 12710097.8/1

- sign 826.316 $\pm$ 0.101 χ^2 /NDF: 6465512.8/59

diff_bpm2i02X_mean vs Slug



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

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

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

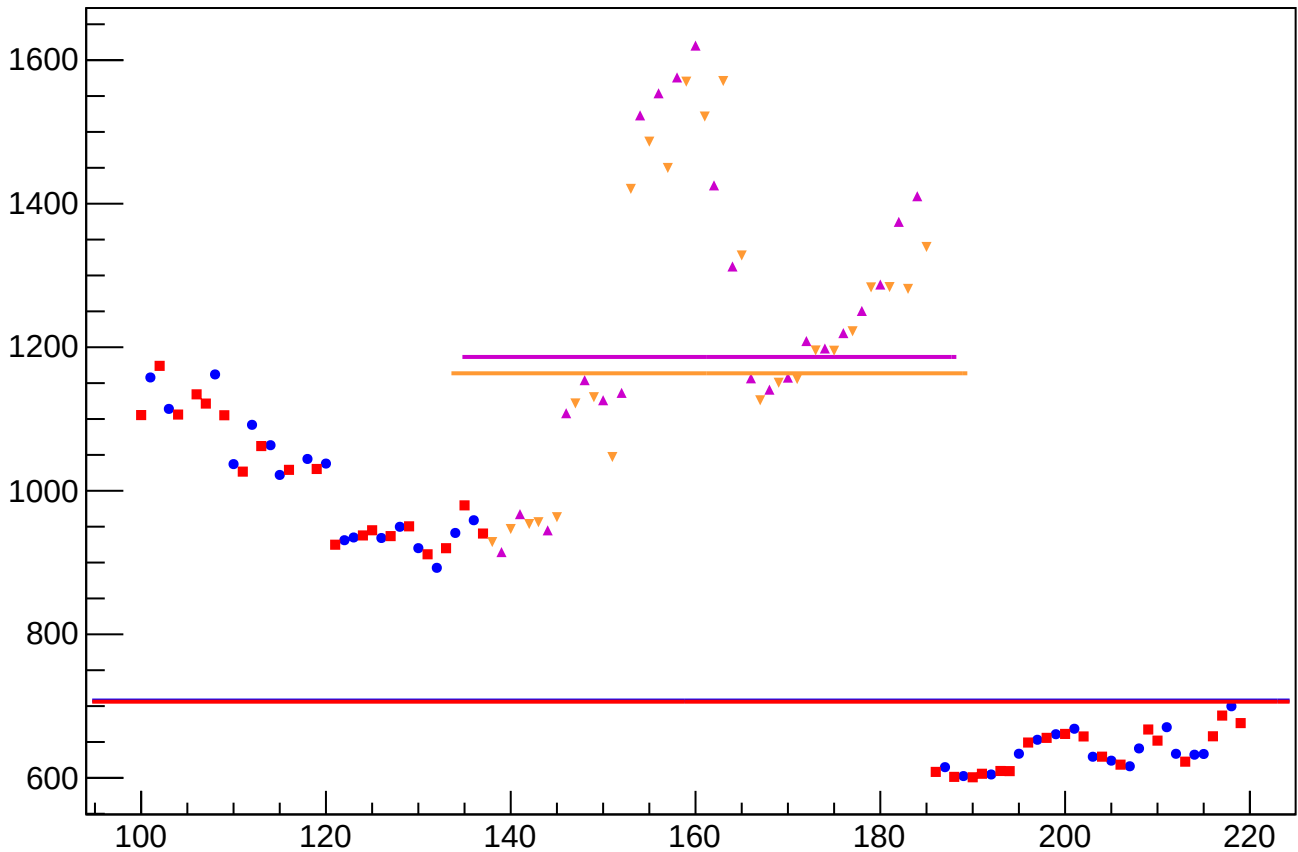
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

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

All: -33.162 ± 0.101 χ^2/NDF : 274762.2/117

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

diff_bpm2i02X_rms vs Slug



Right In: 707.739+/-0.120 χ^2/NDF : 1551279.1/32

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

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

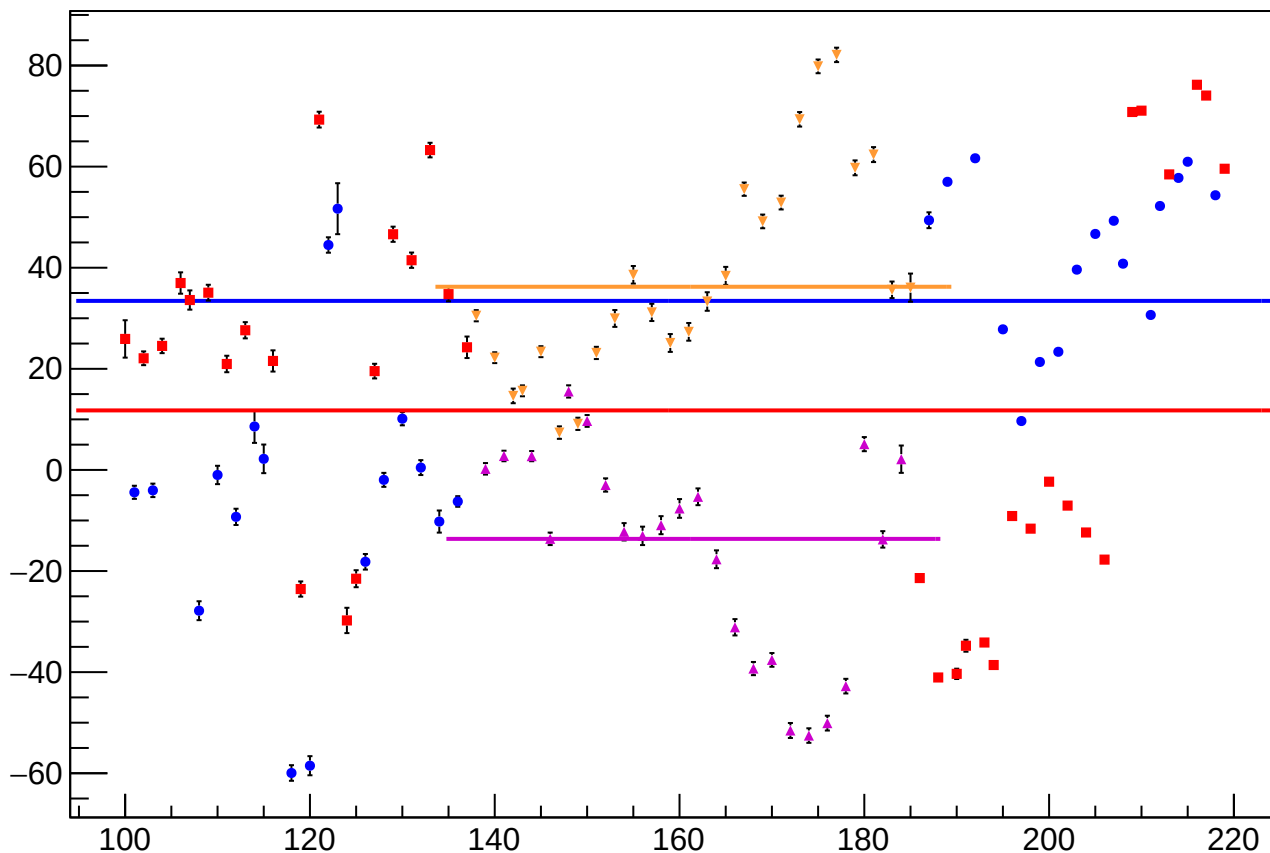
Left In: 1186.476+/-0.204 χ^2/NDF : 833420.3/22

+ sign 832.789+/-0.102 χ^2/NDF : 6469908.5/57

All: 827.384+/-0.072 χ^2/NDF : 13203247.5/11

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

diff_bpm2i02Y_mean vs Slug



Right In: 33.439 ± 0.167 $\chi^2/\text{NDF}: 24031.6/32$

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

Right Out: 11.773 ± 0.161 $\chi^2/\text{NDF}: 69179.4/36$

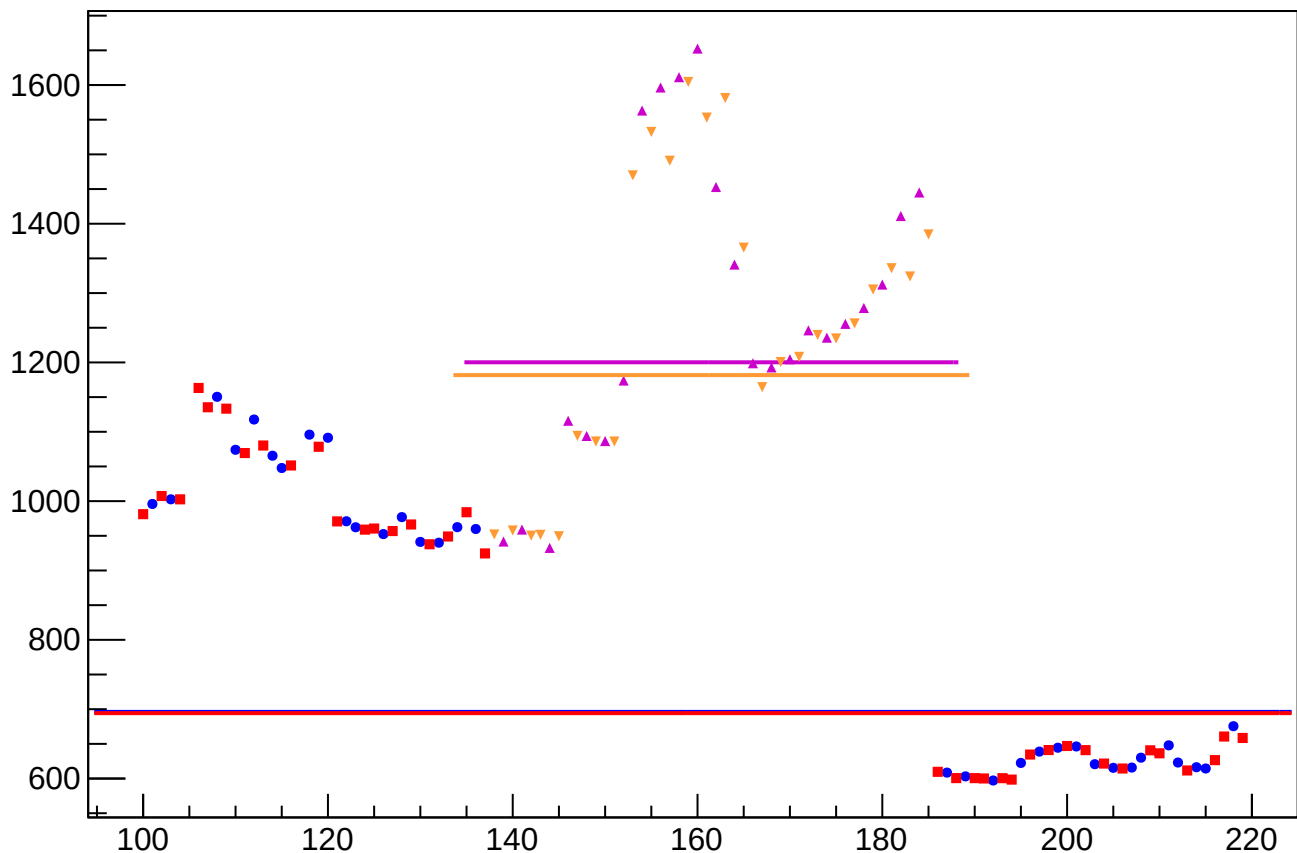
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 34.170 ± 0.143 $\chi^2/\text{NDF}: 29899.4/57$

All: 19.797 ± 0.100 $\chi^2/\text{NDF}: 129875.5/117$

- sign 5.898 ± 0.141 $\chi^2/\text{NDF}: 80149.2/59$

diff_bpm2i02Y_rms vs Slug



Right In: 696.109+/-0.118 χ^2/NDF : 1628865.7/32

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

Right Out: 694.315+/-0.114 χ^2/NDF : 1801500.5/36

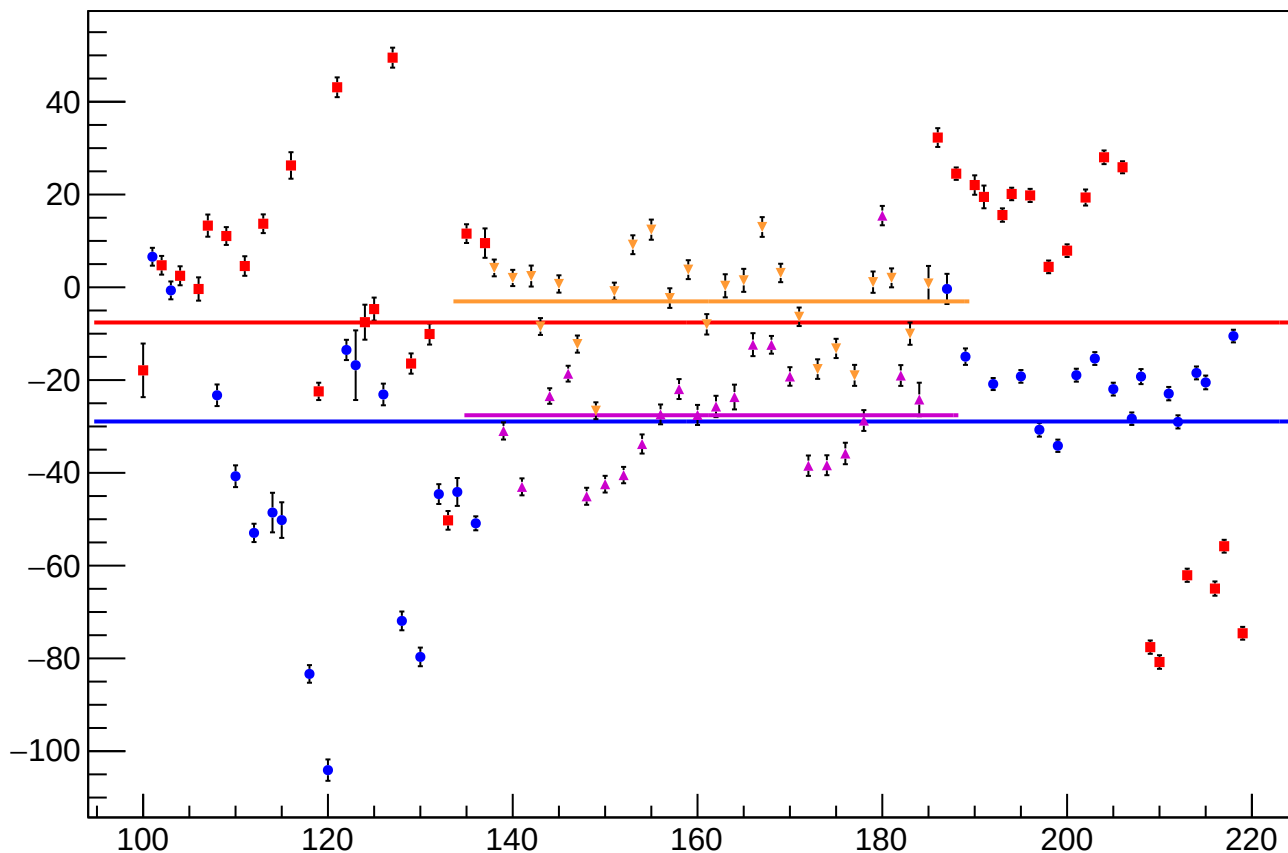
Left In: 1200.198+/-0.207 χ^2/NDF : 938224.7/22

+ sign 823.177+/-0.101 χ^2/NDF : 7118301.5/57

All: 817.120+/-0.071 χ^2/NDF : 14455315.0/11

- sign 811.263+/-0.100 χ^2/NDF : 7329971.5/59

diff_bpm0i02X_mean vs Slug



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

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

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

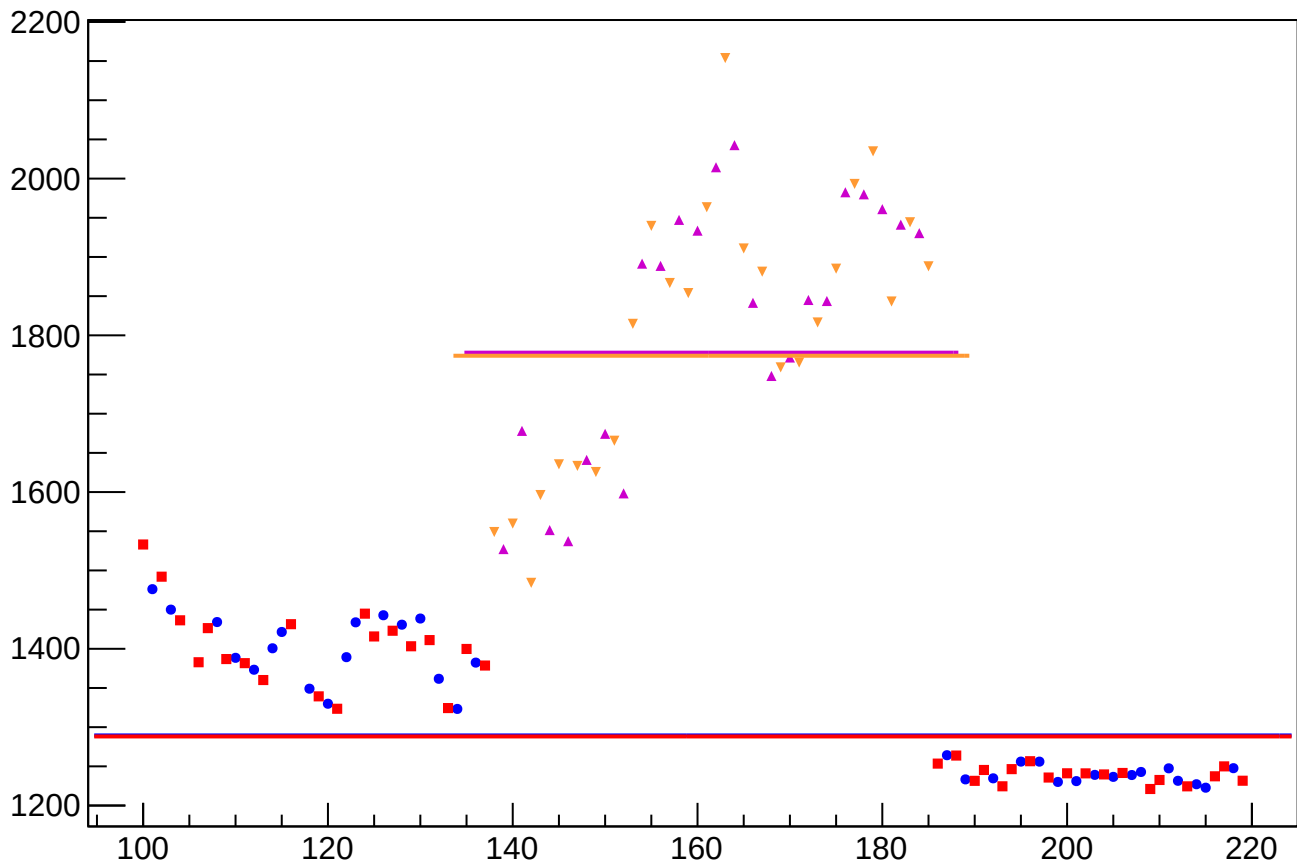
Left In: -27.583 ± 0.429 $\chi^2/\text{NDF}: 960.1/22$

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

All: -16.890 ± 0.172 $\chi^2/\text{NDF}: 28488.8/117$

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

diff_bpm0i02X_rms vs Slug



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

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

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

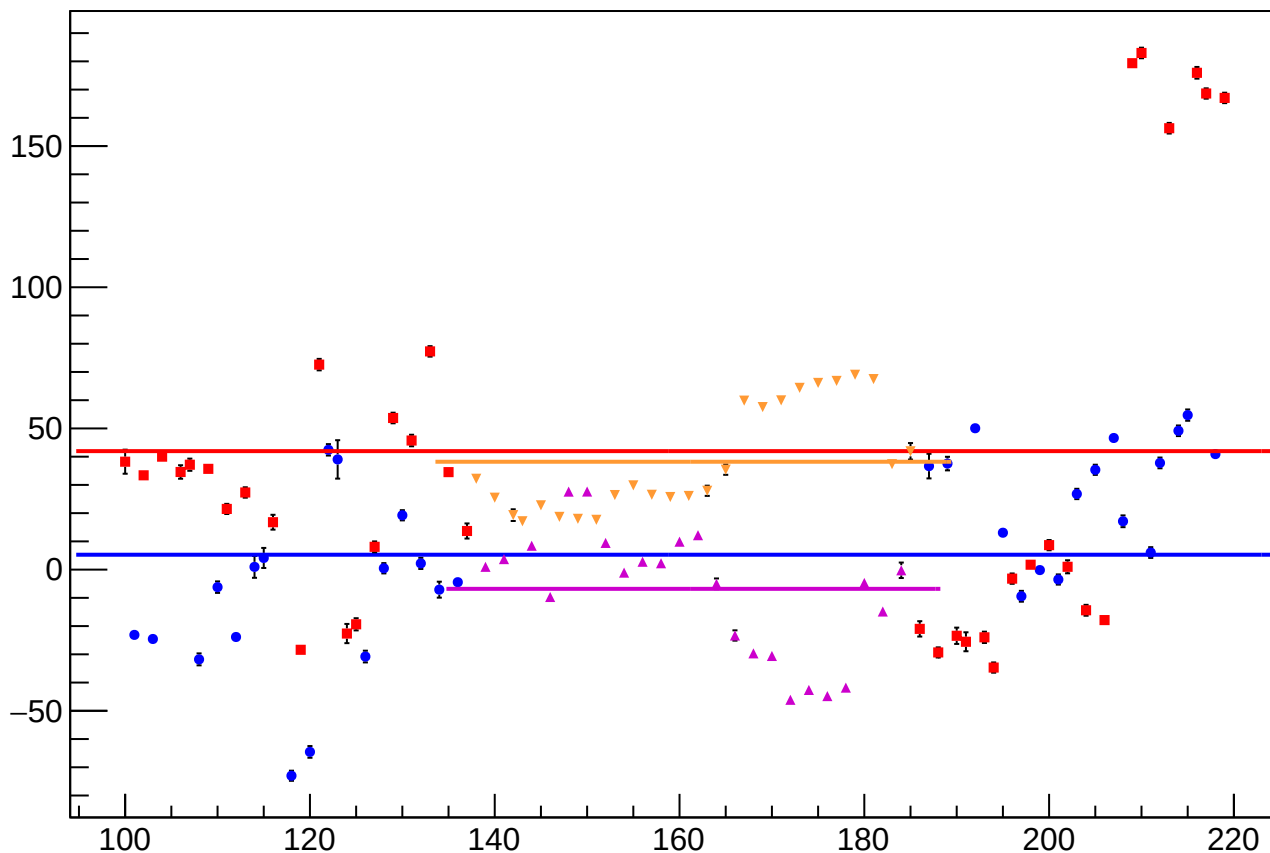
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

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

All: 1449.976 $\pm$ 0.121 χ^2 /NDF: 4457821.5/11

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

diff_bpm0i02Y_mean vs Slug



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

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

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

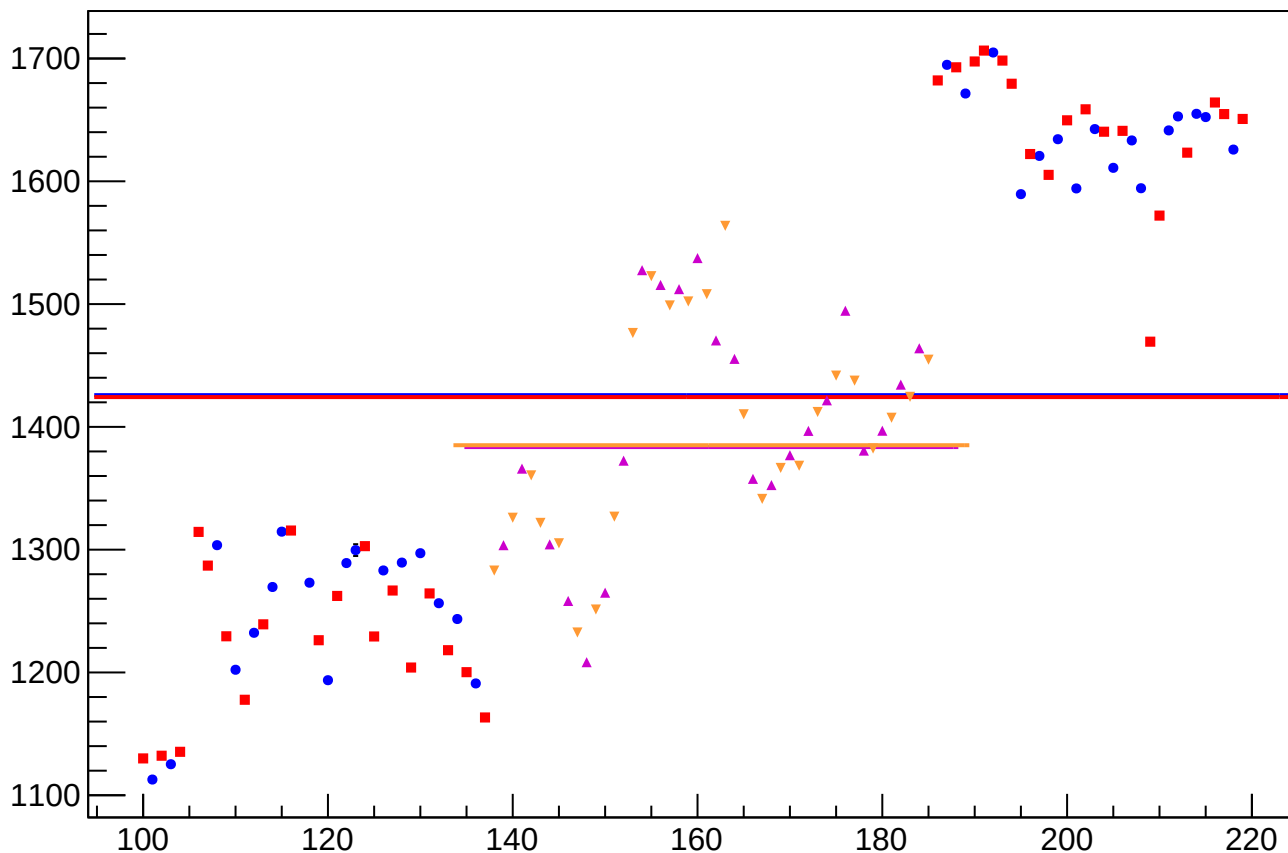
Left In: -6.808 ± 0.333 $\chi^2/\text{NDF}: 4494.5/22$

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

All: 20.278 ± 0.165 $\chi^2/\text{NDF}: 76384.7/117$

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

diff_bpm0i02Y_rms vs Slug



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

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

Right Out: 1424.270 $\pm$ 0.230 χ^2 /NDF: 884047.1/36

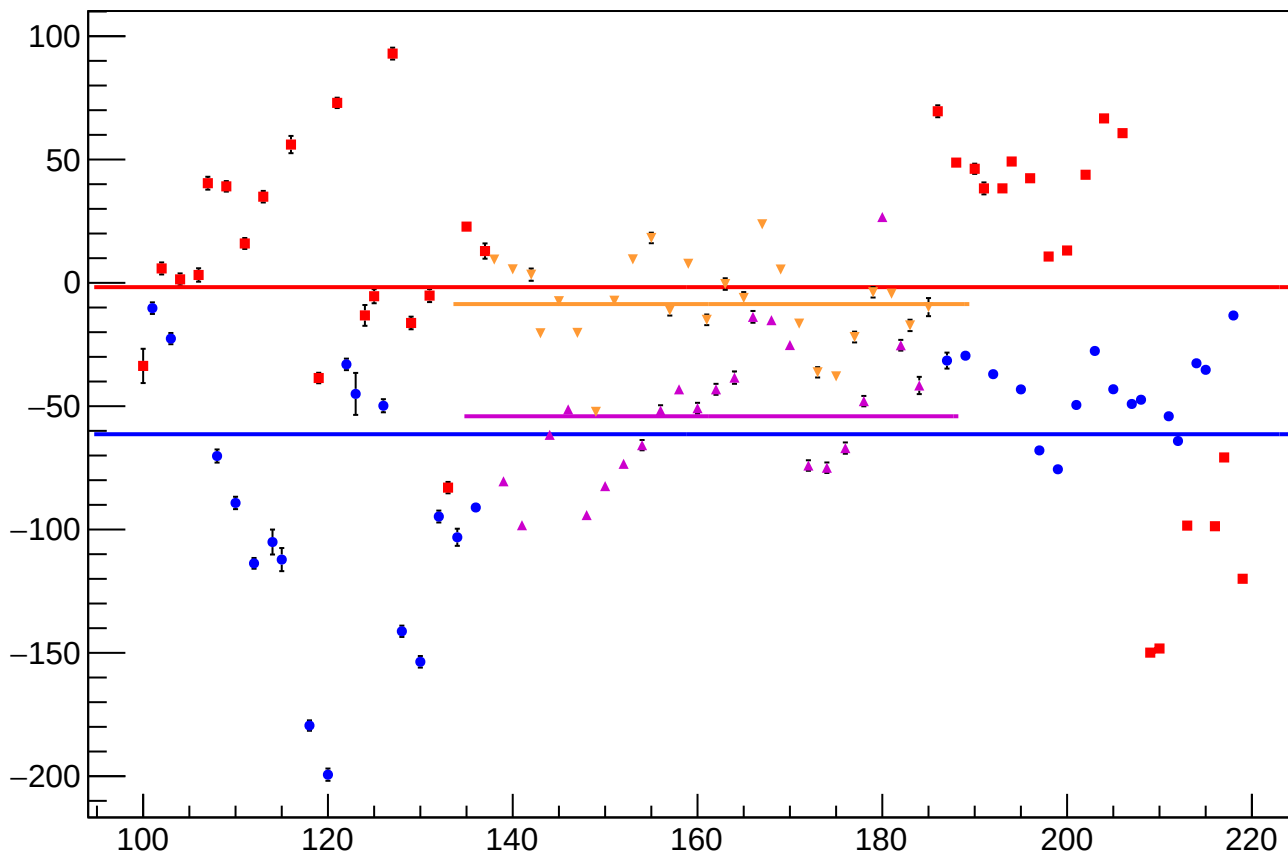
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF:154696.0/22

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

All: 1404.488 $\pm$ 0.117 χ^2 /NDF: 2002258.6/11

- sign 1404.379 $\pm$ 0.165 χ^2 /NDF: 1054033.1/59

diff_bpm0i02aX_mean vs Slug



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

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

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

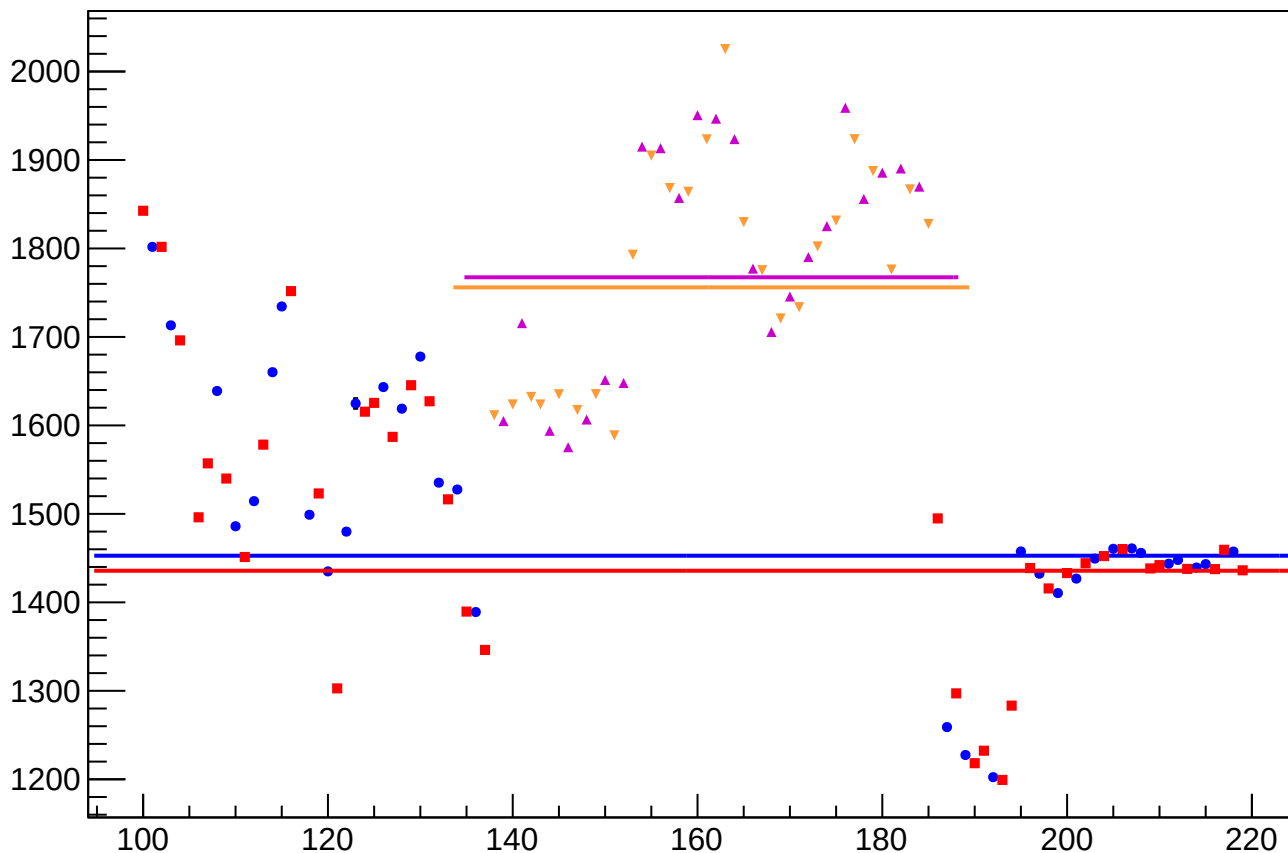
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

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

All: -30.302 ± 0.184 χ^2/NDF : 87452.8/117

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

diff_bpm0i02aX_rms vs Slug



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

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

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

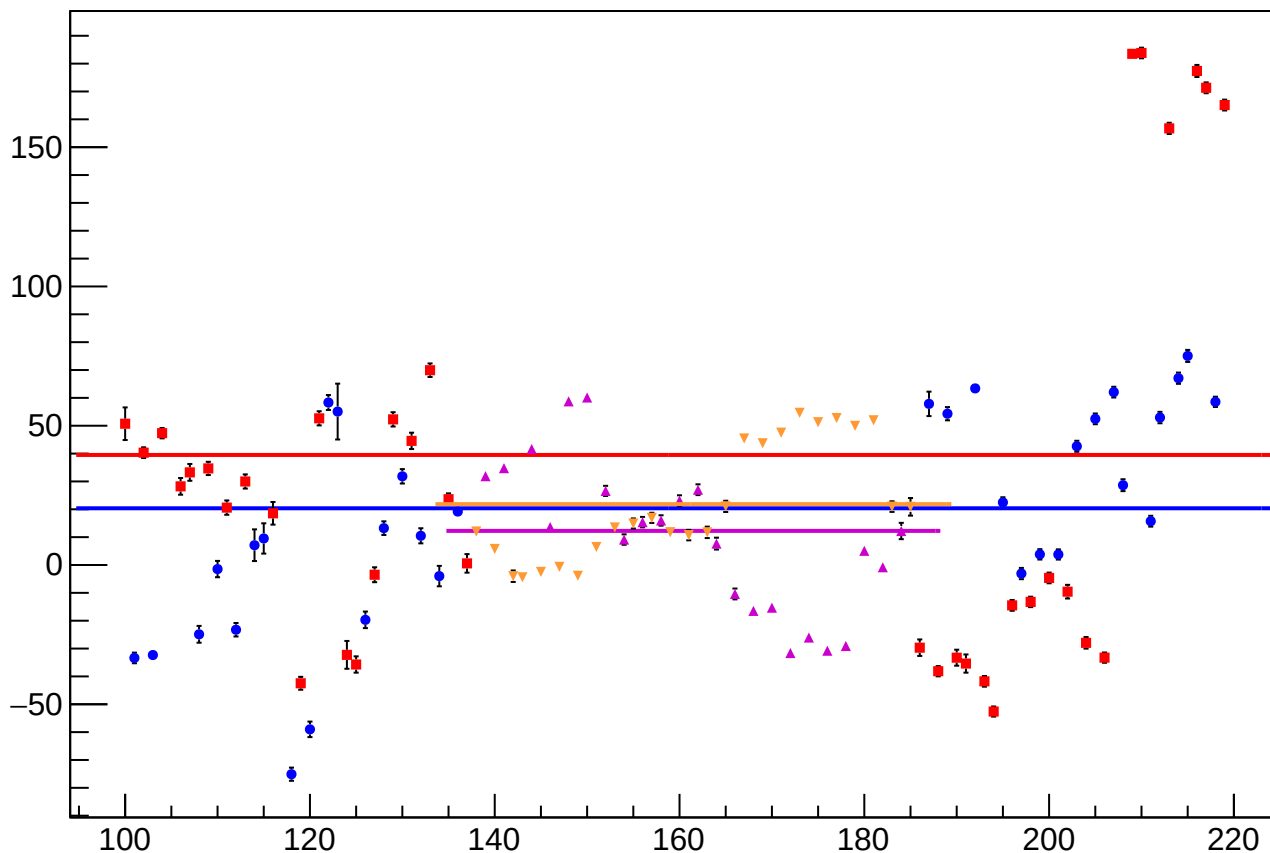
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF: 187958.2/22

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

All: 1567.304 $\pm$ 0.130 χ^2 /NDF: 2352554.5/11

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

diff_bpm0i02aY_mean vs Slug



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

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

Right Out: 39.505 $\pm$ 0.376 χ^2 /NDF: 45427.2/36

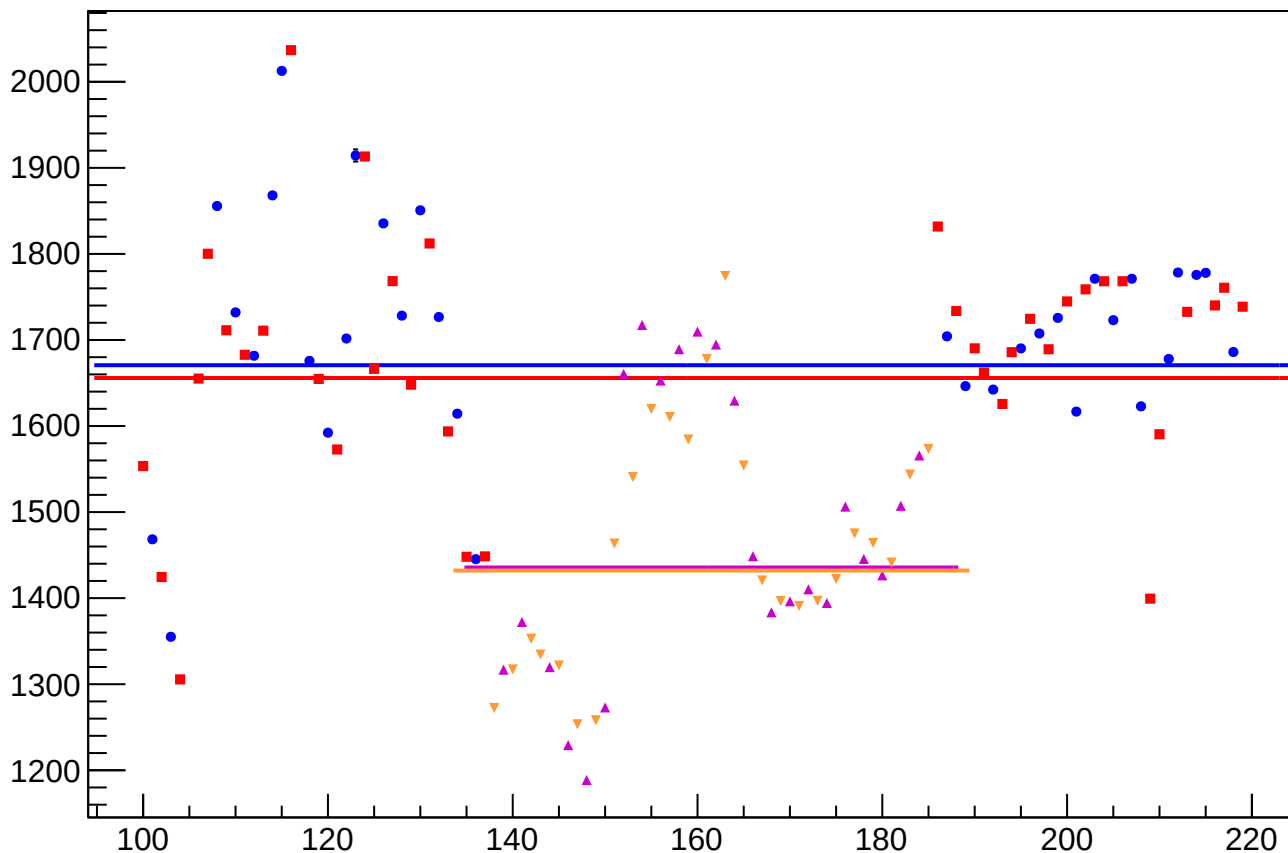
Left In: 12.246 $\pm$ 0.347 χ^2 /NDF: 6781.6/22

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

All: 23.012 $\pm$ 0.180 χ^2 /NDF: 68390.2/117

- sign 24.798 $\pm$ 0.255 χ^2 /NDF: 55049.6/59

diff_bpm0i02aY_rms vs Slug



Right In: 1670.659 $\pm$ 0.277 χ^2 /NDF: 198928.0/32

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

Right Out: 1655.797 $\pm$ 0.266 χ^2 /NDF: 272586.5/36

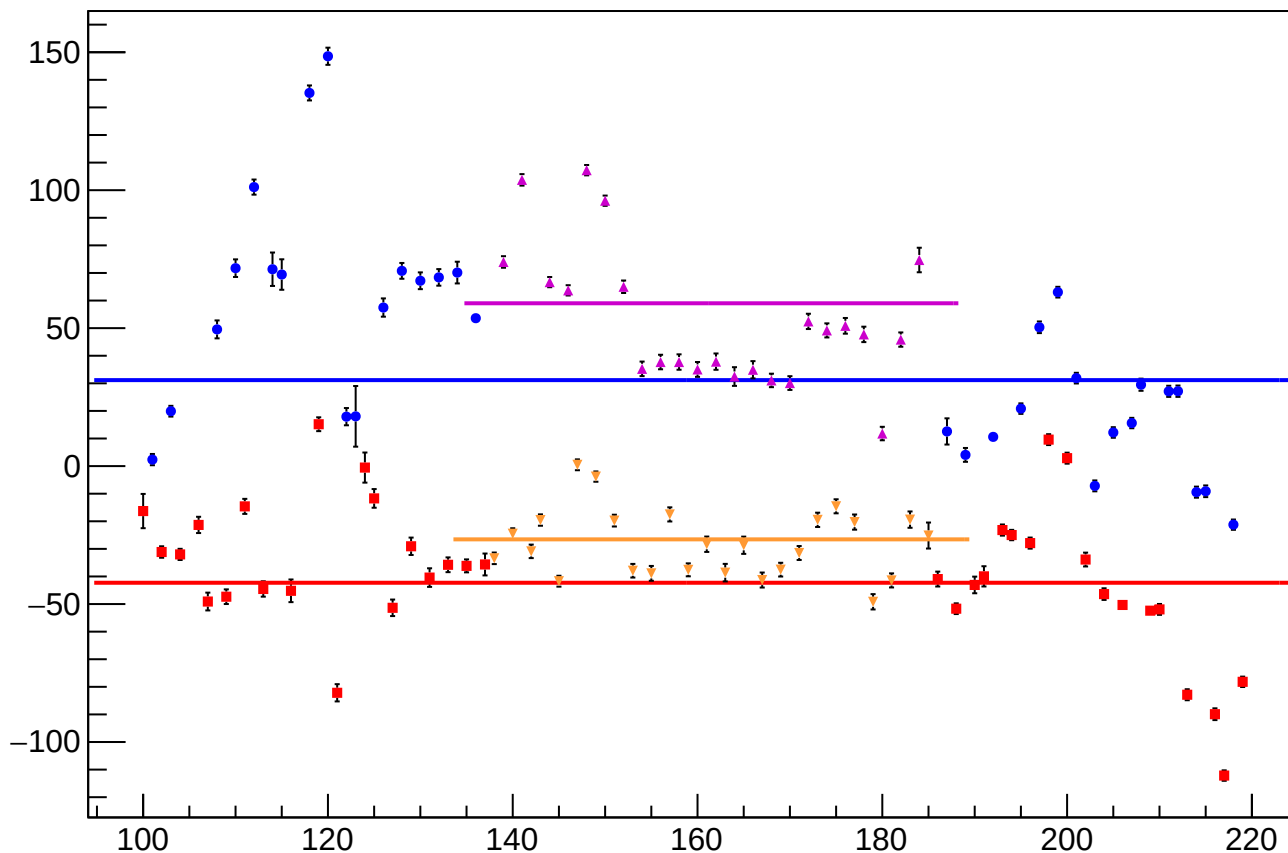
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1532.748 $\pm$ 0.180 χ^2 /NDF: 923617.7/57

All: 1534.882 $\pm$ 0.127 χ^2 /NDF: 1987895.2/11

- sign 1537.016 $\pm$ 0.180 χ^2 /NDF: 1063997.1/59

diff_bpm0i05X_mean vs Slug



Right In: 31.161 $\pm$ 0.414 χ^2 /NDF: 7625.8/32

Left Out: -26.554 $\pm$ 0.488 χ^2 /NDF: 717.5/24

Right Out: -42.278 $\pm$ 0.395 χ^2 /NDF: 5285.3/36

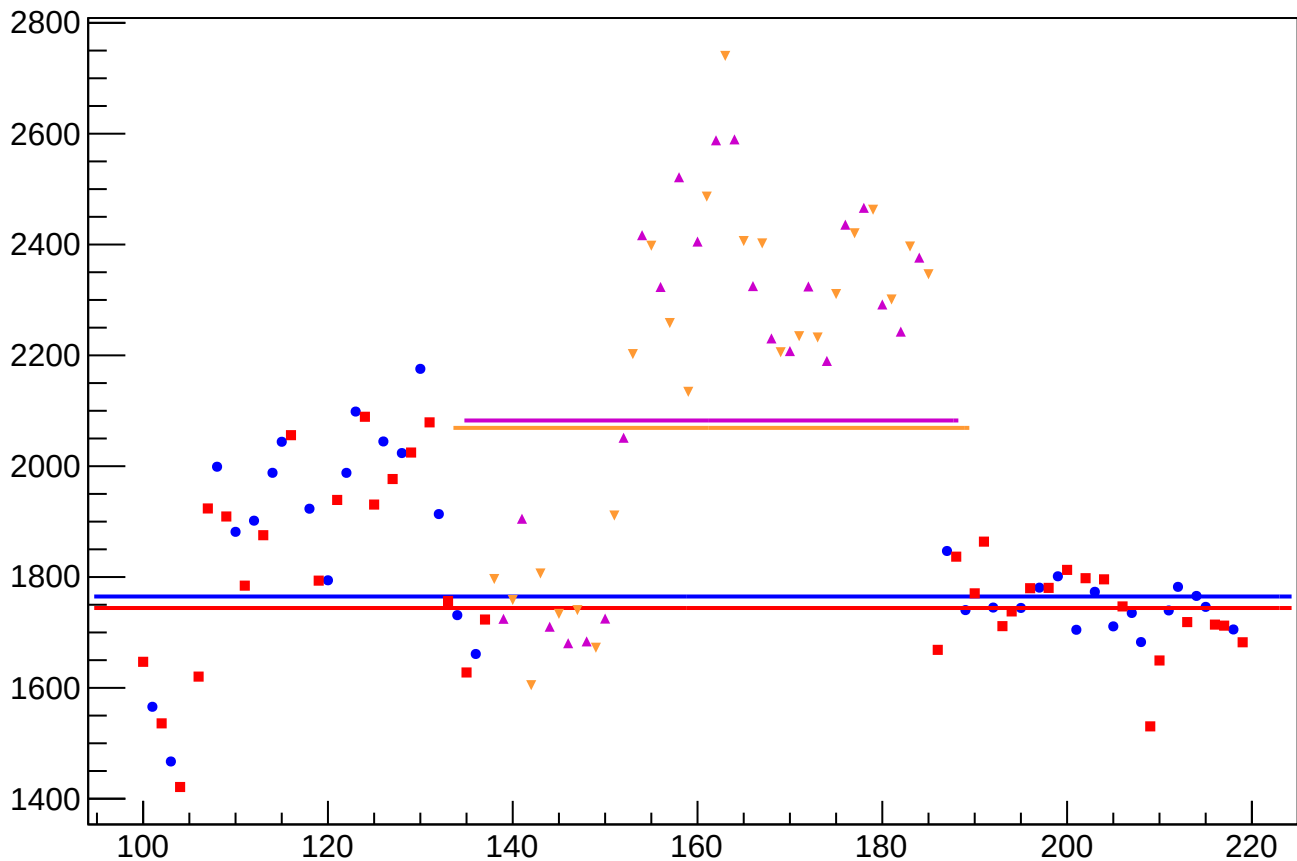
Left In: 59.014 $\pm$ 0.506 χ^2 /NDF: 2783.8/22

+ sign 6.975 $\pm$ 0.316 χ^2 /NDF: 16473.8/57

All: 1.454 $\pm$ 0.222 χ^2 /NDF: 50002.4/117

- sign -3.921 $\pm$ 0.312 χ^2 /NDF: 32925.6/59

diff_bpm0i05X_rms vs Slug



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

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

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

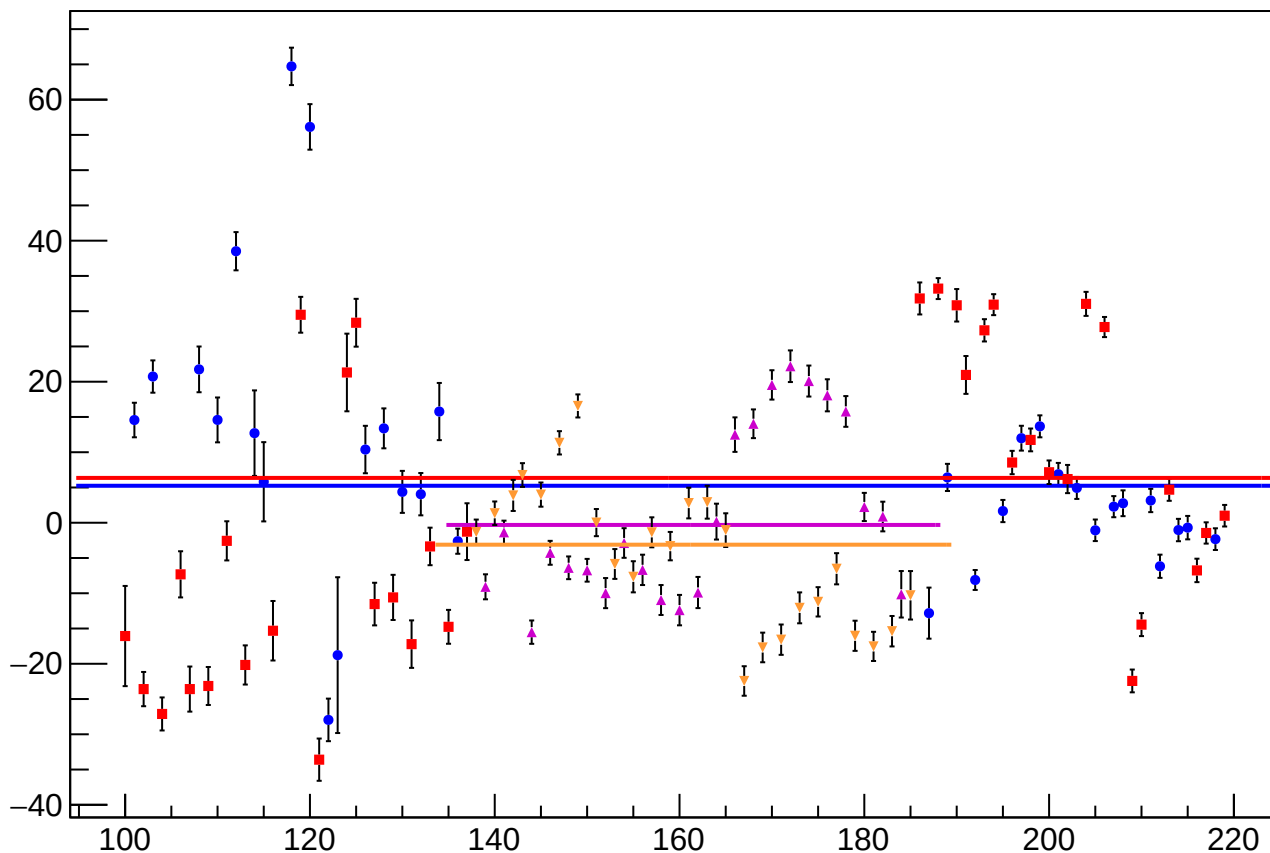
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

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

All: 1882.188 $\pm$ 0.157 χ^2 /NDF: 3027451.1/11

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

diff_bpm0i05Y_mean vs Slug



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

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

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

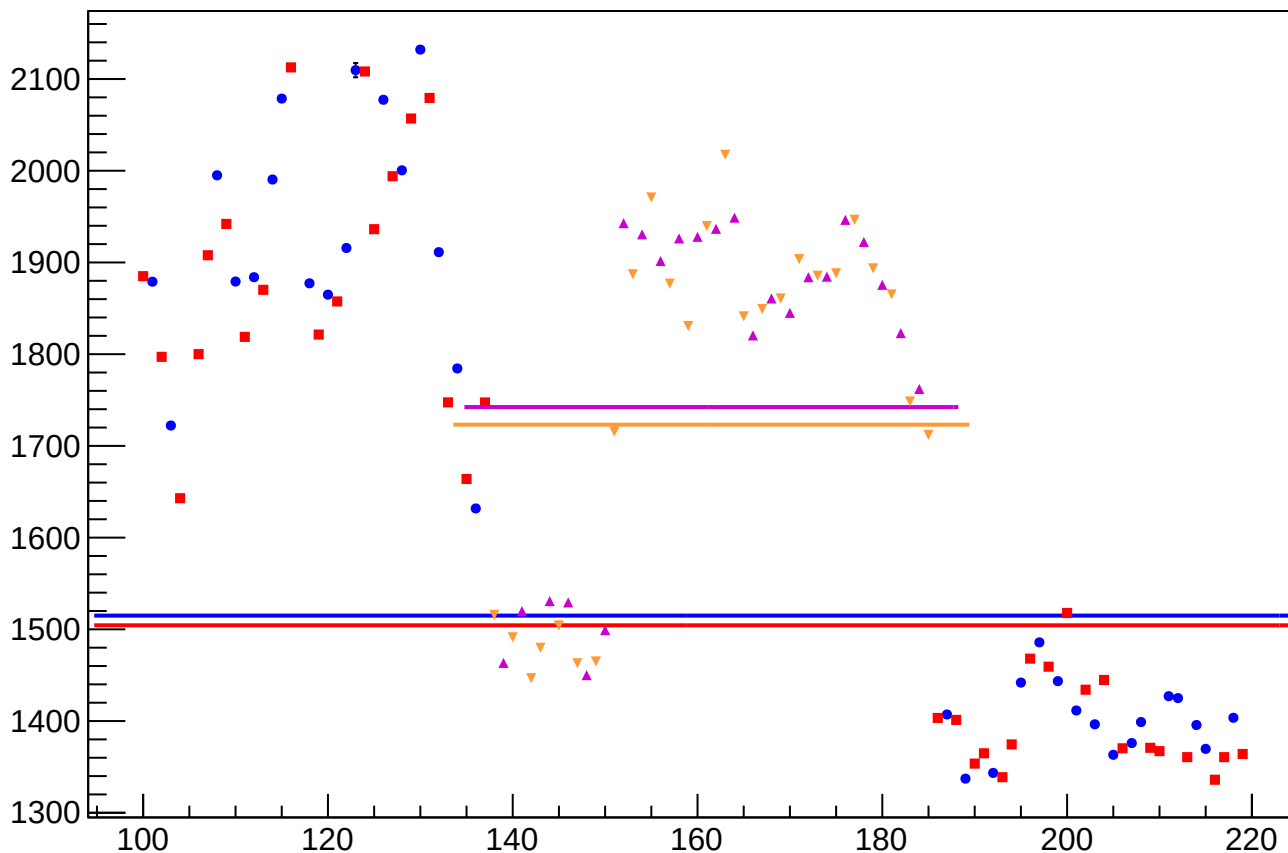
Left In: -0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

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

All: 2.639 ± 0.189 $\chi^2/\text{NDF}: 6562.5/117$

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

diff_bpm0i05Y_rms vs Slug



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

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

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

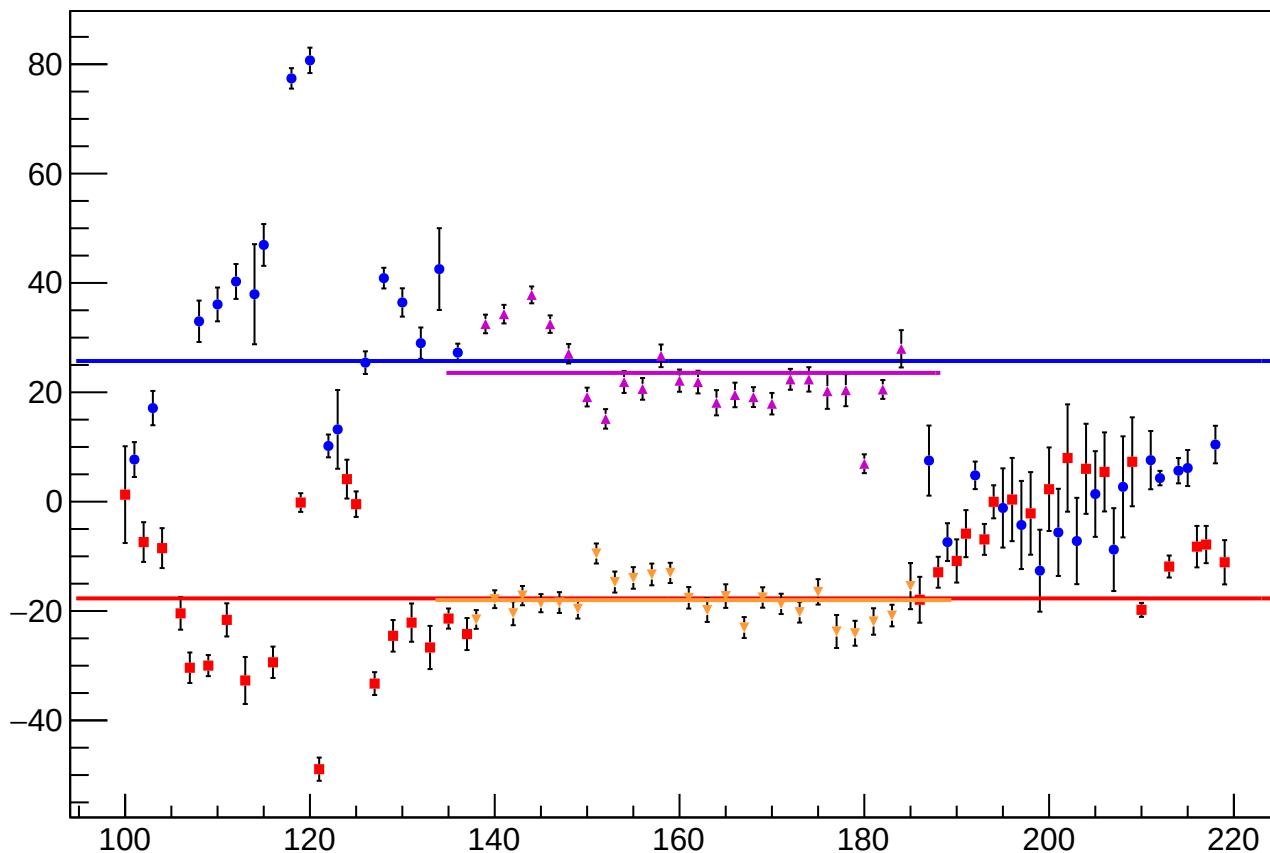
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

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

All: 1602.962 $\pm$ 0.134 χ^2 /NDF: 3073685.8/11

- sign 1599.434 $\pm$ 0.188 χ^2 /NDF: 1572535.9/59

diff_bpm0i07X_mean vs Slug



Right In: 25.725 ± 0.512 $\chi^2/\text{NDF}: 2275.5/32$

Left Out: -18.007 ± 0.397 $\chi^2/\text{NDF}: 73.8/24$

Right Out: -17.692 ± 0.476 $\chi^2/\text{NDF}: 744.8/36$

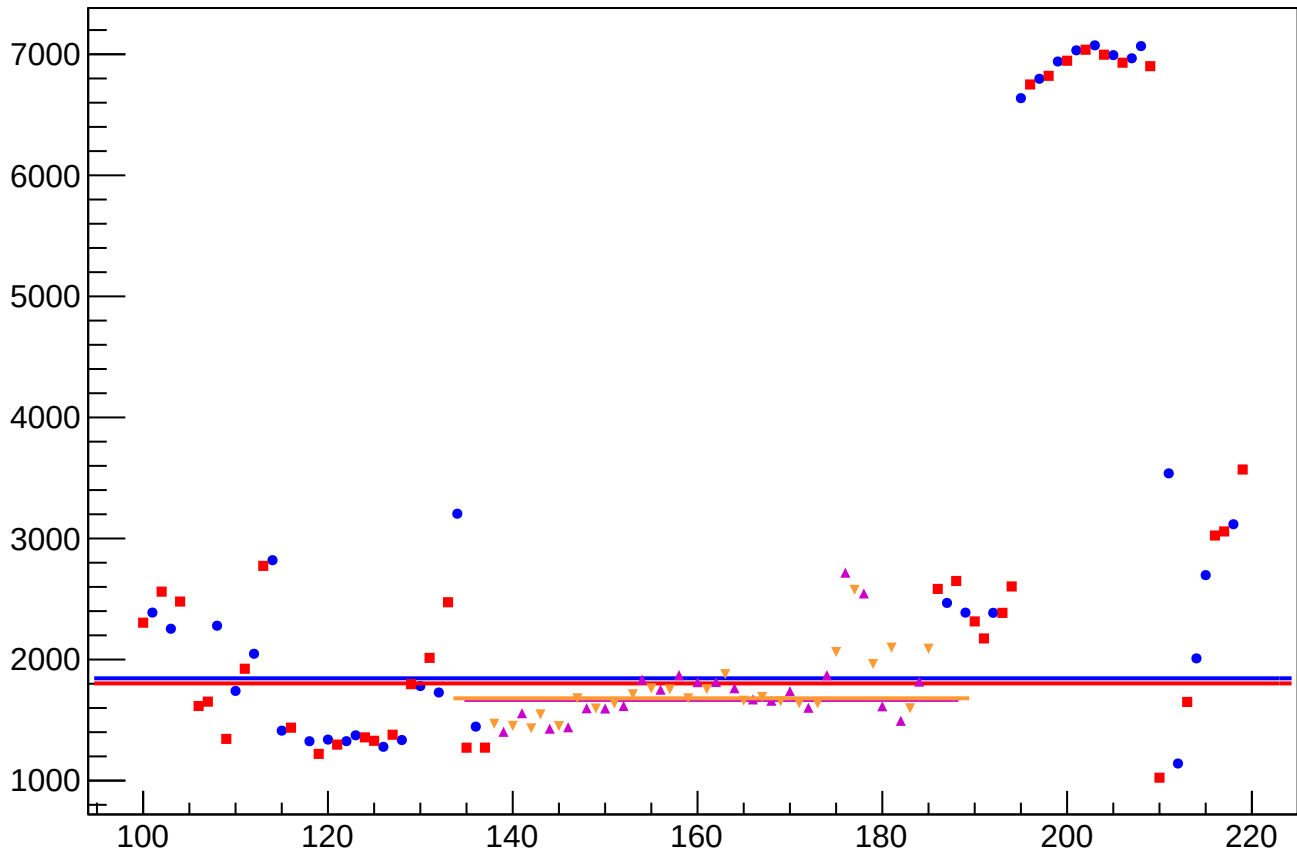
Left In: 23.544 ± 0.406 $\chi^2/\text{NDF}: 346.7/22$

+ sign -1.597 ± 0.314 $\chi^2/\text{NDF}: 6909.7/57$

All: 2.359 ± 0.220 $\chi^2/\text{NDF}: 12662.3/117$

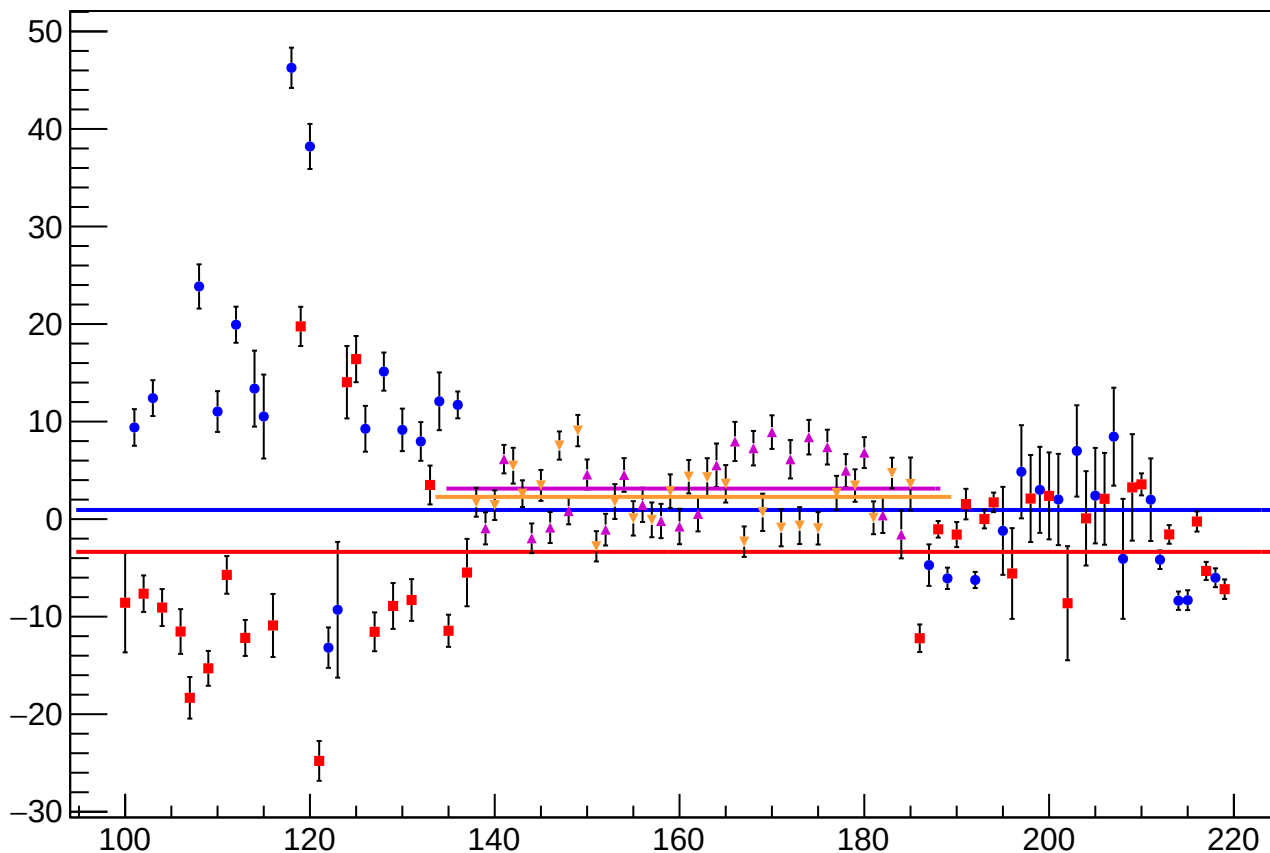
- sign 6.196 ± 0.309 $\chi^2/\text{NDF}: 5438.9/59$

diff_bpm0i07X_rms vs Slug



Right In: 1845.010+/-0.362	χ^2/NDF : 9084376.5/32	+ sign 1741.801+/-0.222	χ^2/NDF : 9737316.5/57
Left Out: 1679.814+/-0.281	χ^2/NDF : 522795.6/24		
Right Out: 1802.958+/-0.337	χ^2/NDF : 9192090.9/36	All: 1732.811+/-0.156	χ^2/NDF : 19678405.0/1
Left In: 1666.819+/-0.287	χ^2/NDF : 650990.8/22	- sign 1724.094+/-0.218	χ^2/NDF : 9937849.9/59

diff_bpm0i07Y_mean vs Slug



Right In: 0.938 ± 0.304 χ^2/NDF : 1653.8/32

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

Right Out: -3.356 ± 0.264 χ^2/NDF : 723.3/36

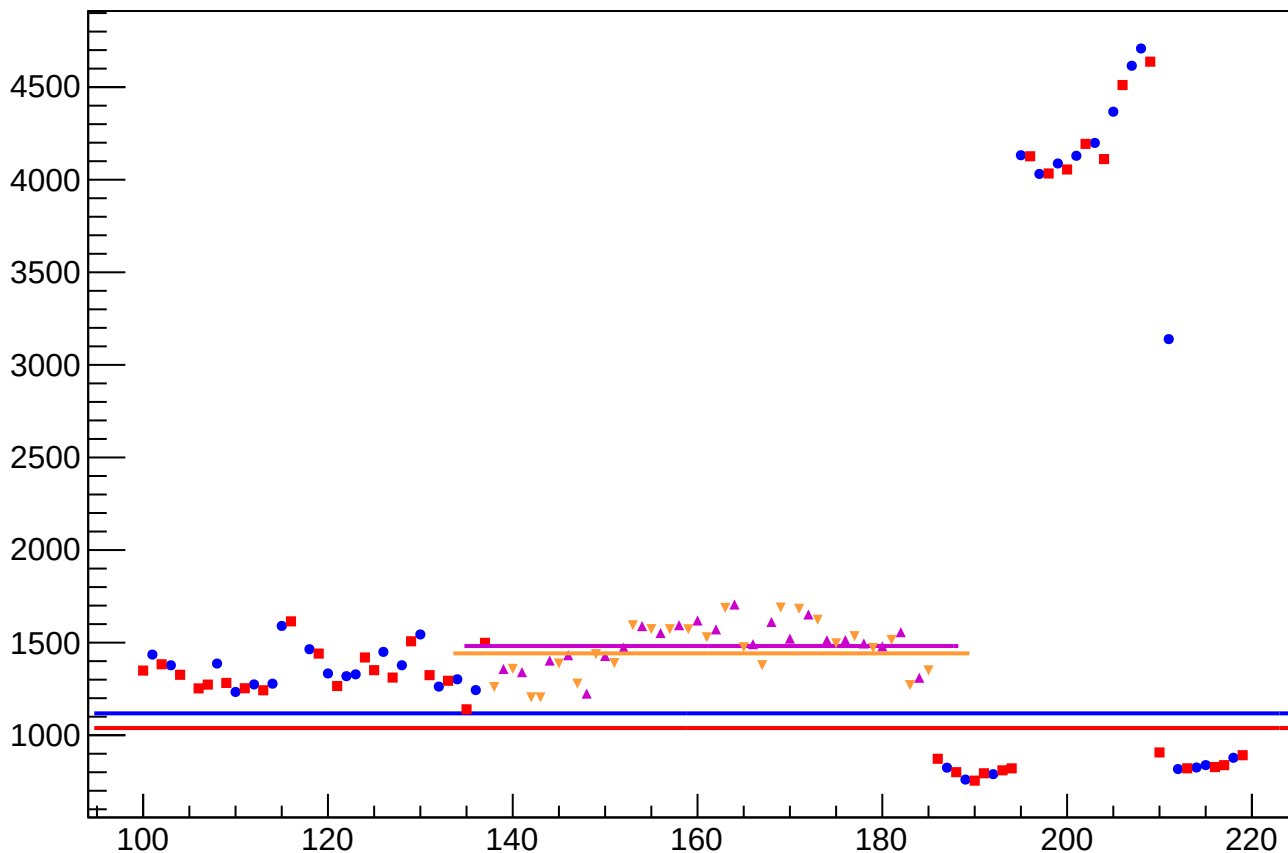
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 1.537 ± 0.226 χ^2/NDF : 1738.1/57

All: 0.154 ± 0.155 χ^2/NDF : 2848.1/117

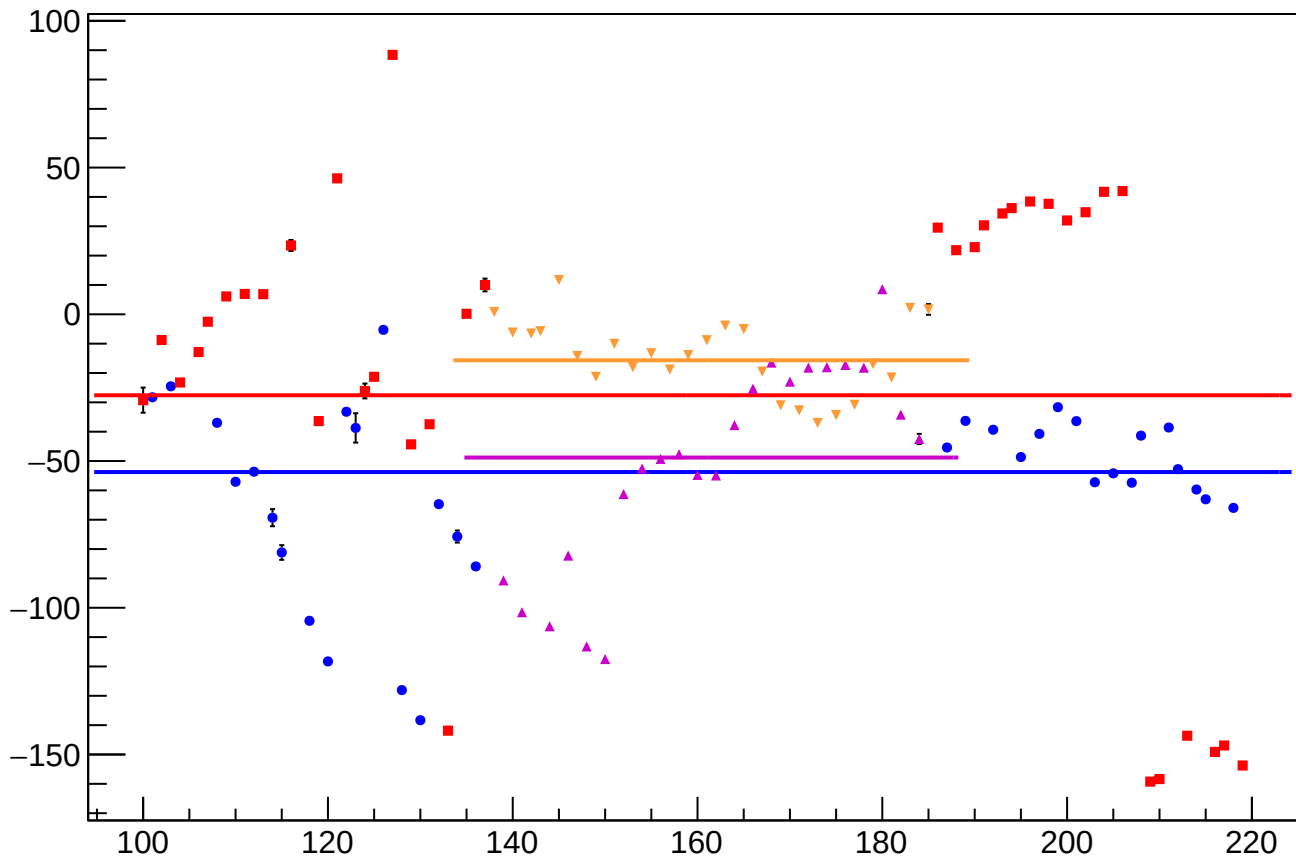
- sign -1.068 ± 0.212 χ^2/NDF : 1039.5/59

diff_bpm0i07Y_rms vs Slug



Right In: 1118.005+/-0.215	χ^2/NDF : 8913234.1/32	+ sign 1262.711+/-0.160	χ^2/NDF : 10298877.8/57
Left Out: 1441.951+/-0.239	χ^2/NDF : 370617.4/24	All: 1226.780+/-0.109	χ^2/NDF : 20226764.2/100
Right Out: 1038.790+/-0.187	χ^2/NDF : 7639112.4/36	- sign 1195.053+/-0.150	χ^2/NDF : 9832749.8/59
Left In: 1481.695+/-0.253	χ^2/NDF : 208470.6/22		

diff_bpm1i02X_mean vs Slug



Right In: -53.753 ± 0.167 χ^2/NDF : 18214.0/32

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

Right Out: -27.591 ± 0.161 χ^2/NDF : 264968.9/36

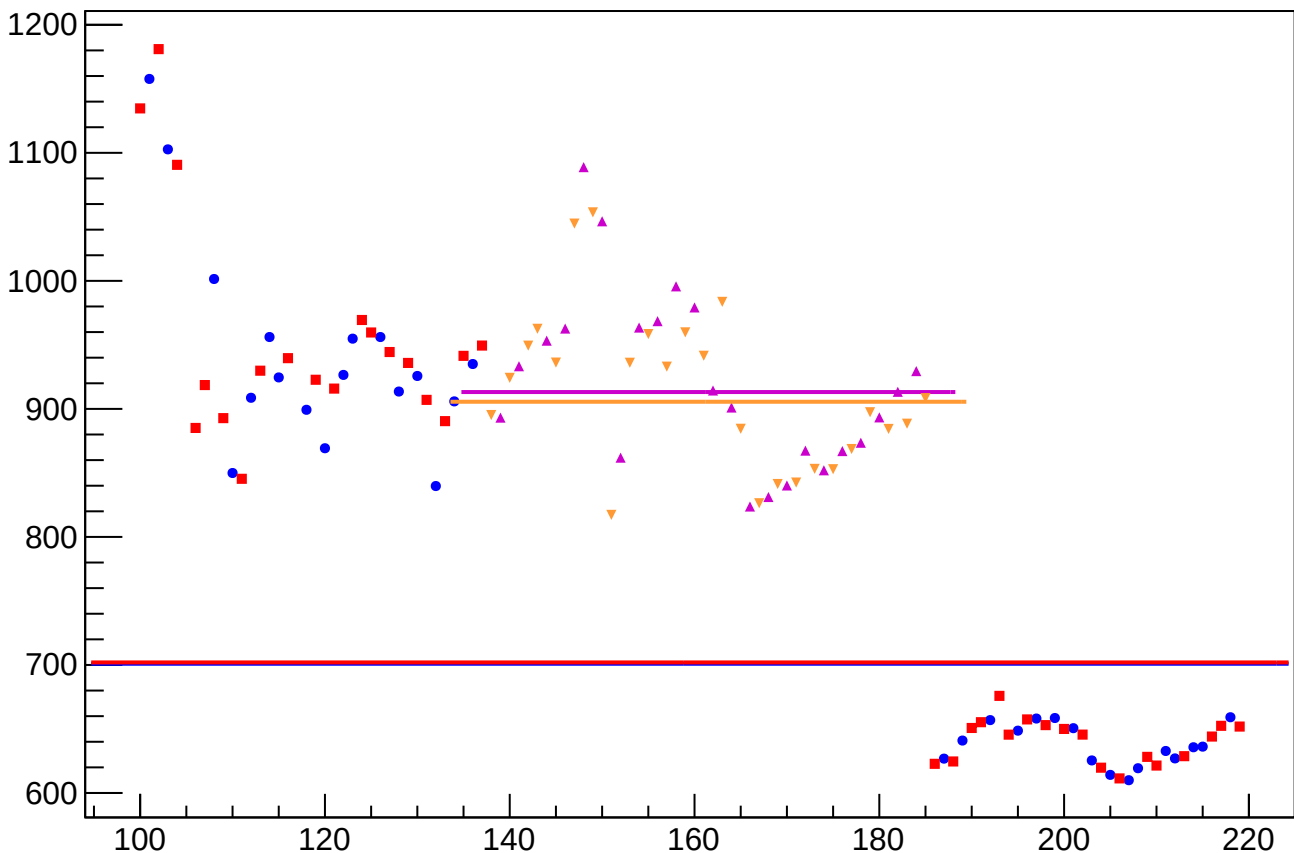
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -39.158 ± 0.131 χ^2/NDF : 41731.7/57

All: -37.067 ± 0.092 χ^2/NDF : 338528.1/117

- sign -35.007 ± 0.130 χ^2/NDF : 296290.1/59

diff_bpm1i02X_rms vs Slug



Right In: 700.941 $\pm$ 0.118 χ^2 /NDF: 1190572.4/32

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

Right Out: 701.979 $\pm$ 0.114 χ^2 /NDF: 1250092.0/36

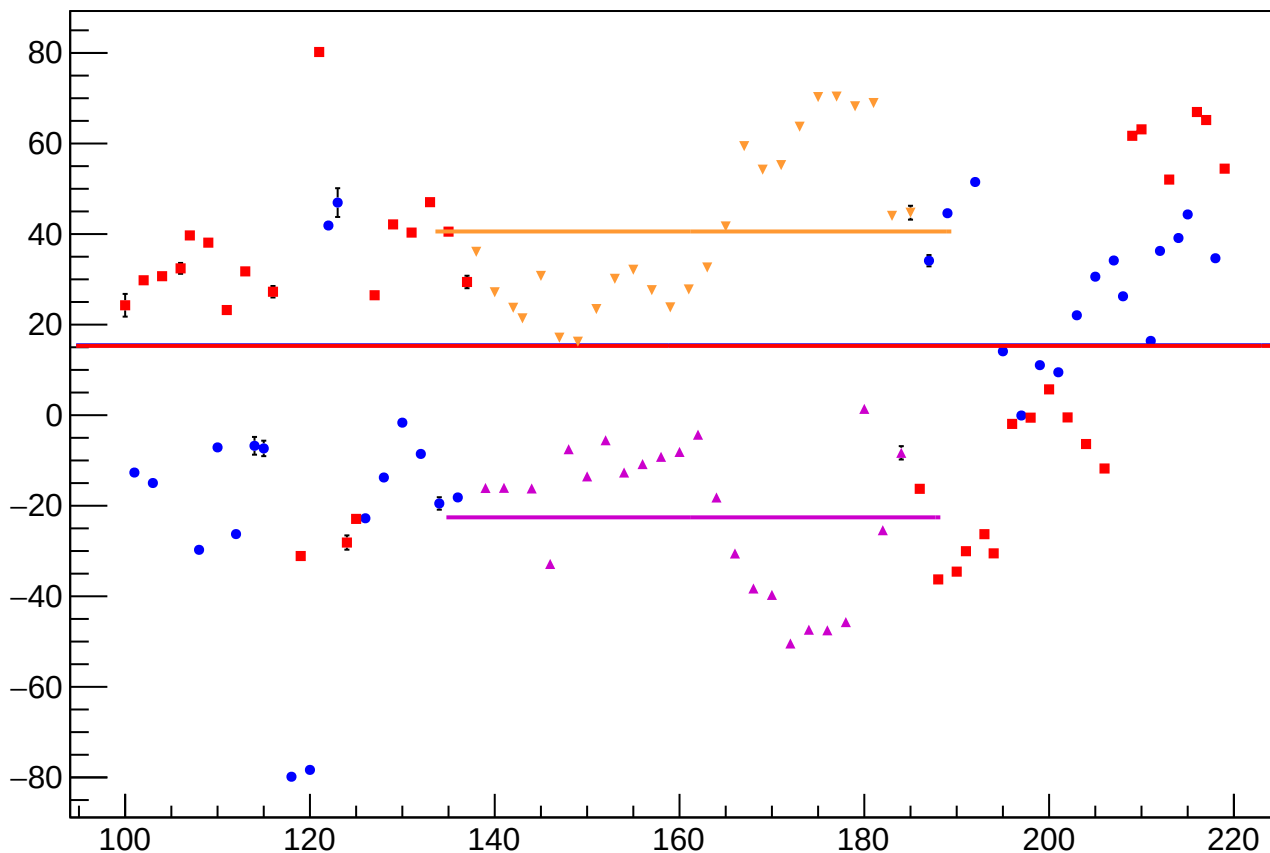
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF:174438.8/22

+ sign 779.360 $\pm$ 0.093 χ^2 /NDF: 2507320.1/57

All: 777.555 $\pm$ 0.065 χ^2 /NDF: 5132924.0/117

- sign 775.777 $\pm$ 0.092 χ^2 /NDF: 2624849.6/59

diff_bpm1i02Y_mean vs Slug



Right In: 15.434+/-0.125 χ^2/NDF : 49845.6/32

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

Right Out: 15.307+/-0.120 χ^2/NDF : 89953.7/36

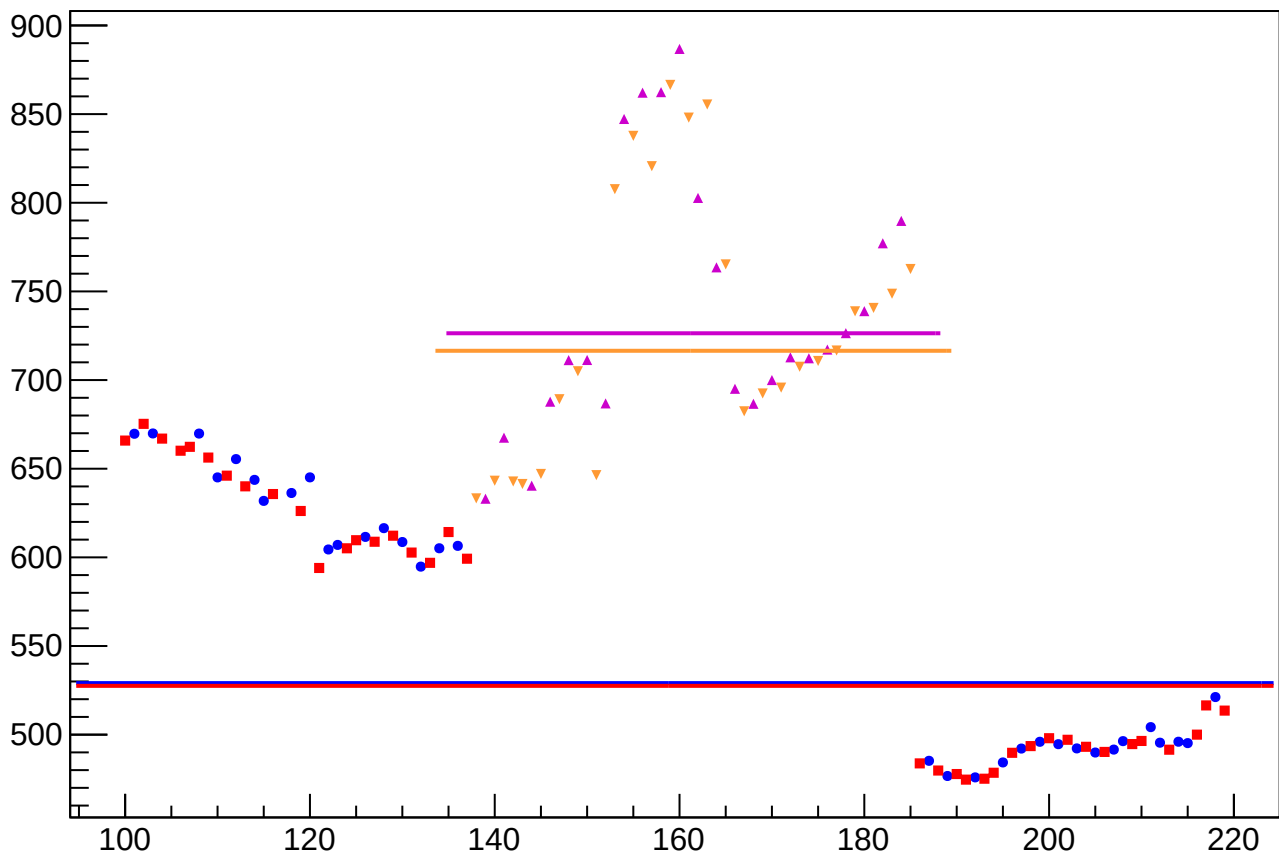
Left In: -22.565+/-0.175 χ^2/NDF :8167.7/22

+ sign 24.367+/-0.100 χ^2/NDF : 76387.1/57

All: 13.685+/-0.070 χ^2/NDF : 228860.7/117

- sign 3.226+/-0.099 χ^2/NDF : 129913.3/59

diff_bpm1i02Y_rms vs Slug



Right In: 529.071 ± 0.088 χ^2/NDF : 499580.7/32

Left Out: 716.515 ± 0.119 χ^2/NDF : 342740.2/24

Right Out: 527.529 ± 0.085 χ^2/NDF : 542091.0/36

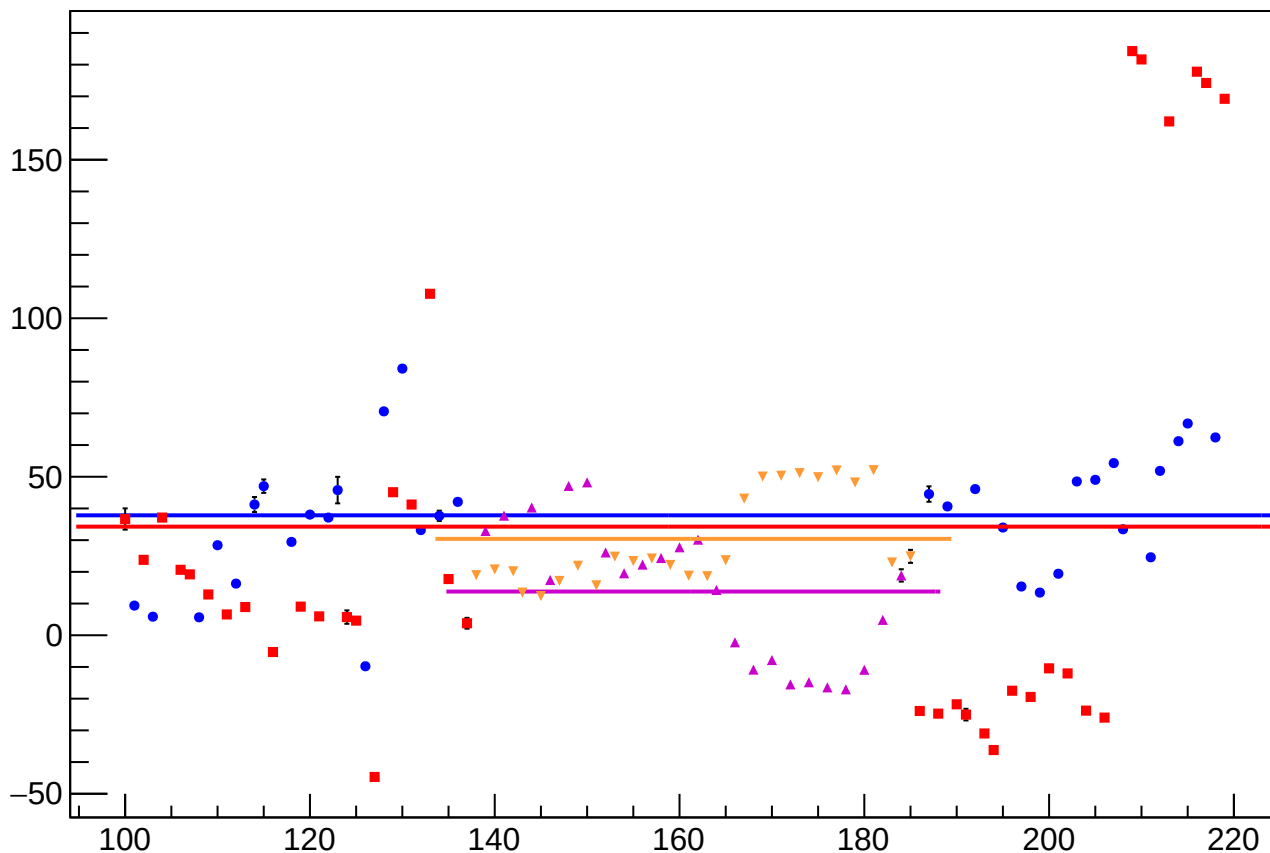
Left In: 726.390 ± 0.124 χ^2/NDF : 289788.8/22

+ sign 595.676 ± 0.071 χ^2/NDF : 2450453.6/57

All: 593.295 ± 0.050 χ^2/NDF : 5037687.2/117

- sign 590.964 ± 0.070 χ^2/NDF : 2584991.3/59

diff_bpm1i04X_mean vs Slug



Right In: 37.834 $\pm$ 0.204 χ^2 /NDF: 10411.5/32

Left Out: 30.408 $\pm$ 0.237 χ^2 /NDF:3808.0/24

Right Out: 34.261 $\pm$ 0.198 χ^2 /NDF: 140299.8/36

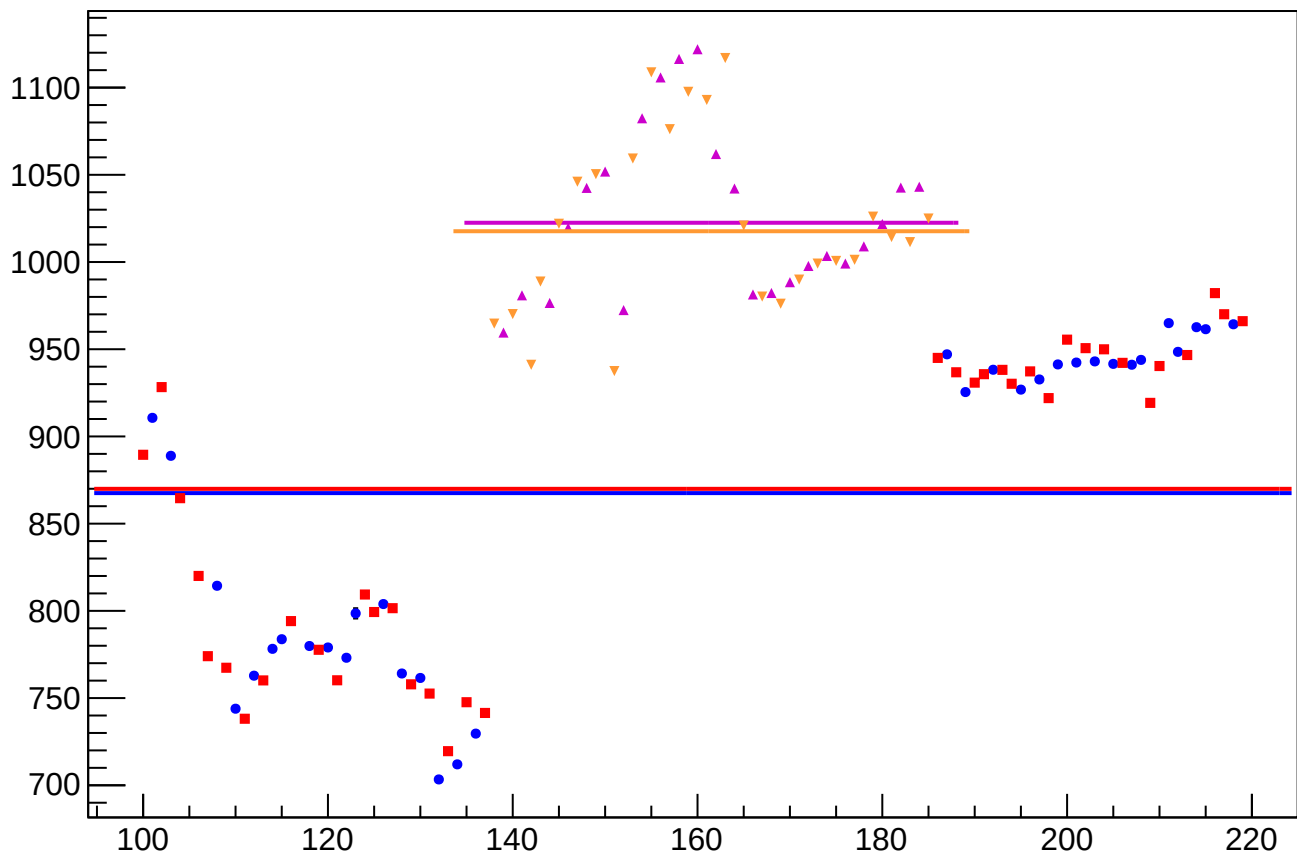
Left In: 13.787 $\pm$ 0.246 χ^2 /NDF:7979.7/22

+ sign 34.678 $\pm$ 0.155 χ^2 /NDF: 14782.2/57

All: 30.432 $\pm$ 0.109 χ^2 /NDF: 168775.3/117

- sign 26.230 $\pm$ 0.154 χ^2 /NDF: 152495.3/59

diff_bpm1i04X_rms vs Slug



Right In: 867.512 ± 0.144 $\chi^2/\text{NDF}: 409284.3/32$

Left Out: 1017.653 ± 0.168 $\chi^2/\text{NDF}: 83612.5/24$

Right Out: 869.965 ± 0.140 $\chi^2/\text{NDF}: 403422.9/36$

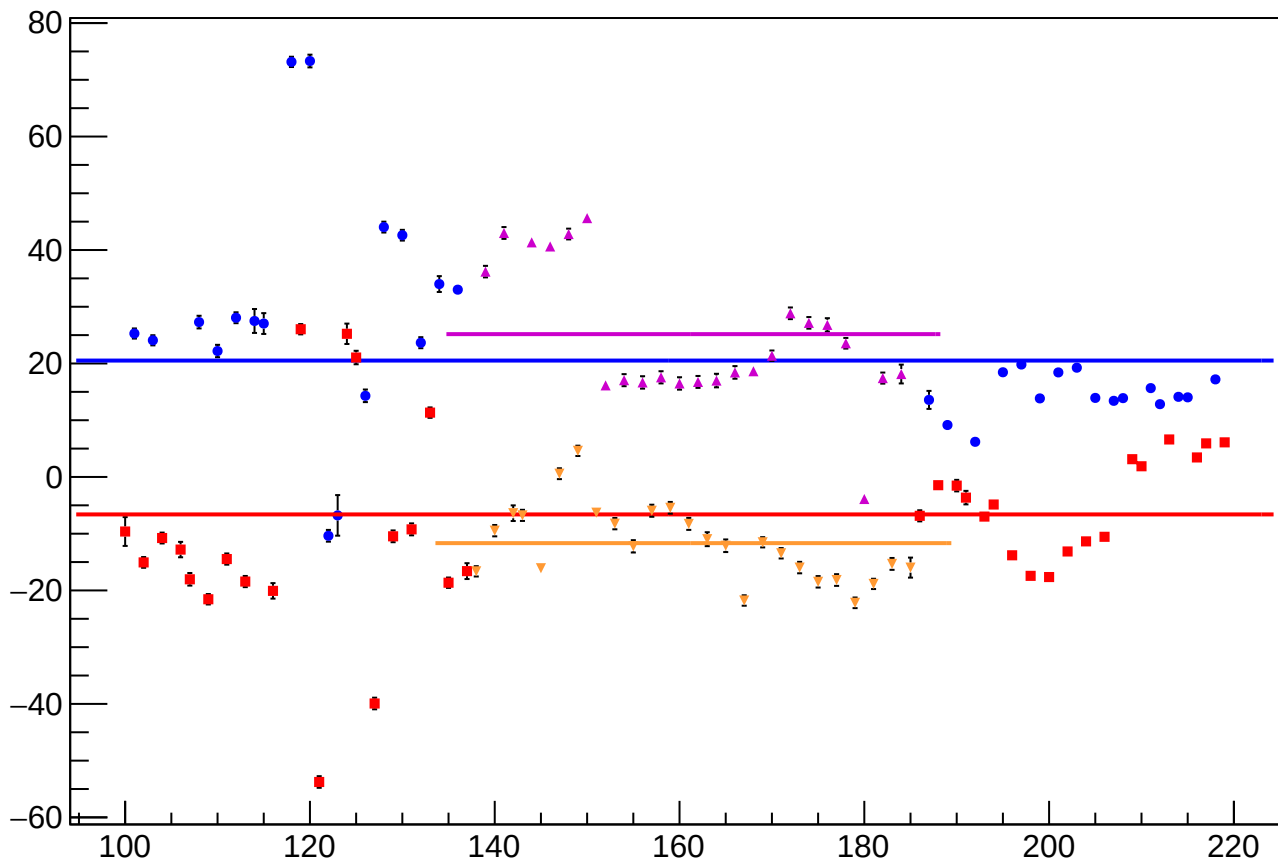
Left In: 1022.511 ± 0.174 $\chi^2/\text{NDF}: 69635.5/22$

+ sign 931.320 ± 0.109 $\chi^2/\text{NDF}: 952885.6/57$

All: 930.559 ± 0.077 $\chi^2/\text{NDF}: 1894074.0/117$

- sign 929.805 ± 0.109 $\chi^2/\text{NDF}: 941092.1/59$

diff_bpm1i04Y_mean vs Slug



Right In: 20.515 ± 0.144 χ^2/NDF : 9848.7/32

Left Out: -11.664 ± 0.200 χ^2/NDF : 1147.4/24

Right Out: -6.603 ± 0.138 χ^2/NDF : 9346.5/36

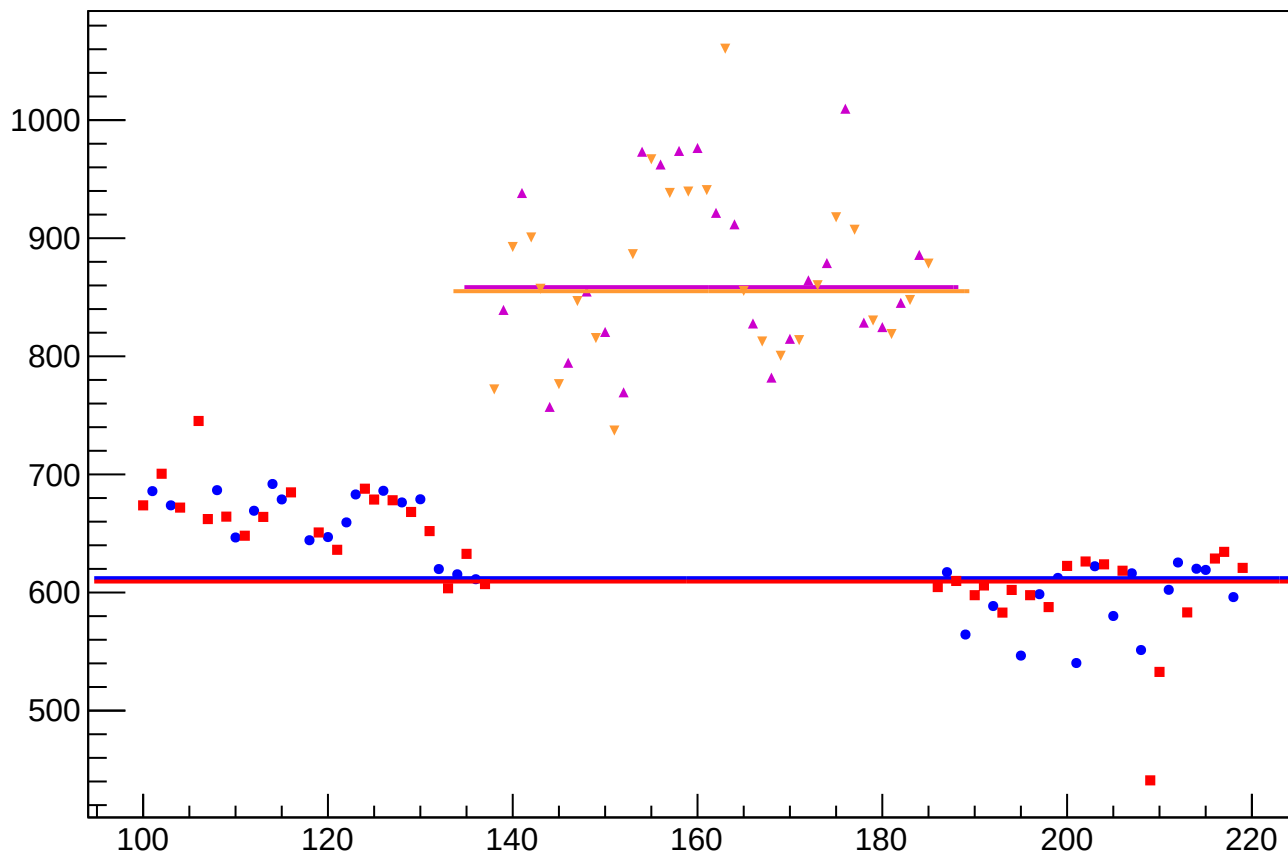
Left In: 25.174 ± 0.207 χ^2/NDF : 3747.1/22

+ sign 9.554 ± 0.117 χ^2/NDF : 28017.1/57

All: 6.327 ± 0.082 χ^2/NDF : 58851.8/117

- sign 3.196 ± 0.115 χ^2/NDF : 29333.2/59

diff_bpm1i04Y_rms vs Slug



Right In: 612.157+/-0.102 χ^2/NDF : 166522.2/32

Left Out: 855.131+/-0.142 χ^2/NDF : 233746.7/24

Right Out: 609.305+/-0.098 χ^2/NDF : 366855.9/36

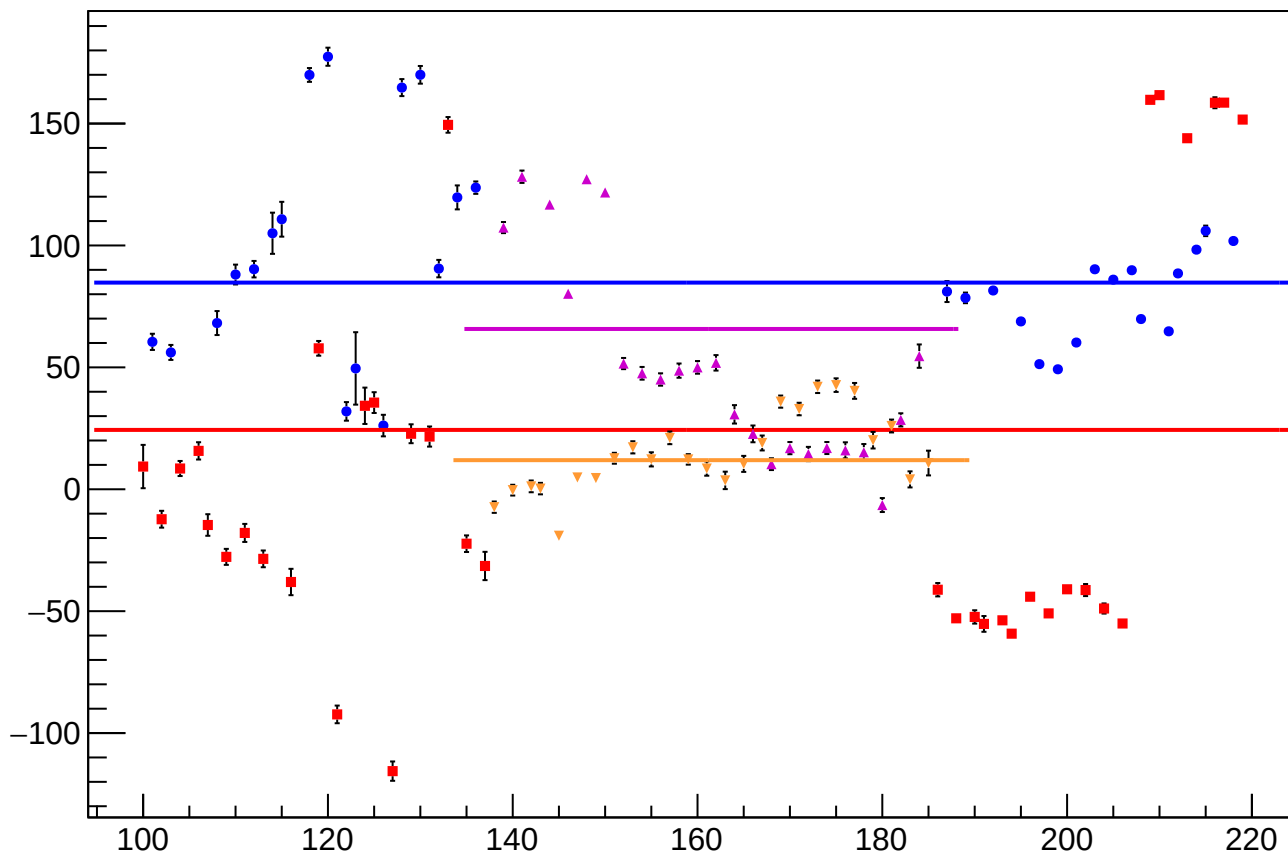
Left In: 858.563+/-0.147 χ^2/NDF : 239019.8/22

+ sign 694.921+/-0.083 χ^2/NDF : 2341110.4/57

All: 690.478+/-0.058 χ^2/NDF : 4951177.8/117

- sign 686.165+/-0.081 χ^2/NDF : 2604372.7/59

diff_bpm1i06X_mean vs Slug



Right In: 84.766 $\pm$ 0.431 χ^2 /NDF: 4804.0/32

Left Out: 11.938 $\pm$ 0.505 χ^2 /NDF: 976.6/24

Right Out: 24.348 $\pm$ 0.410 χ^2 /NDF: 53060.4/36

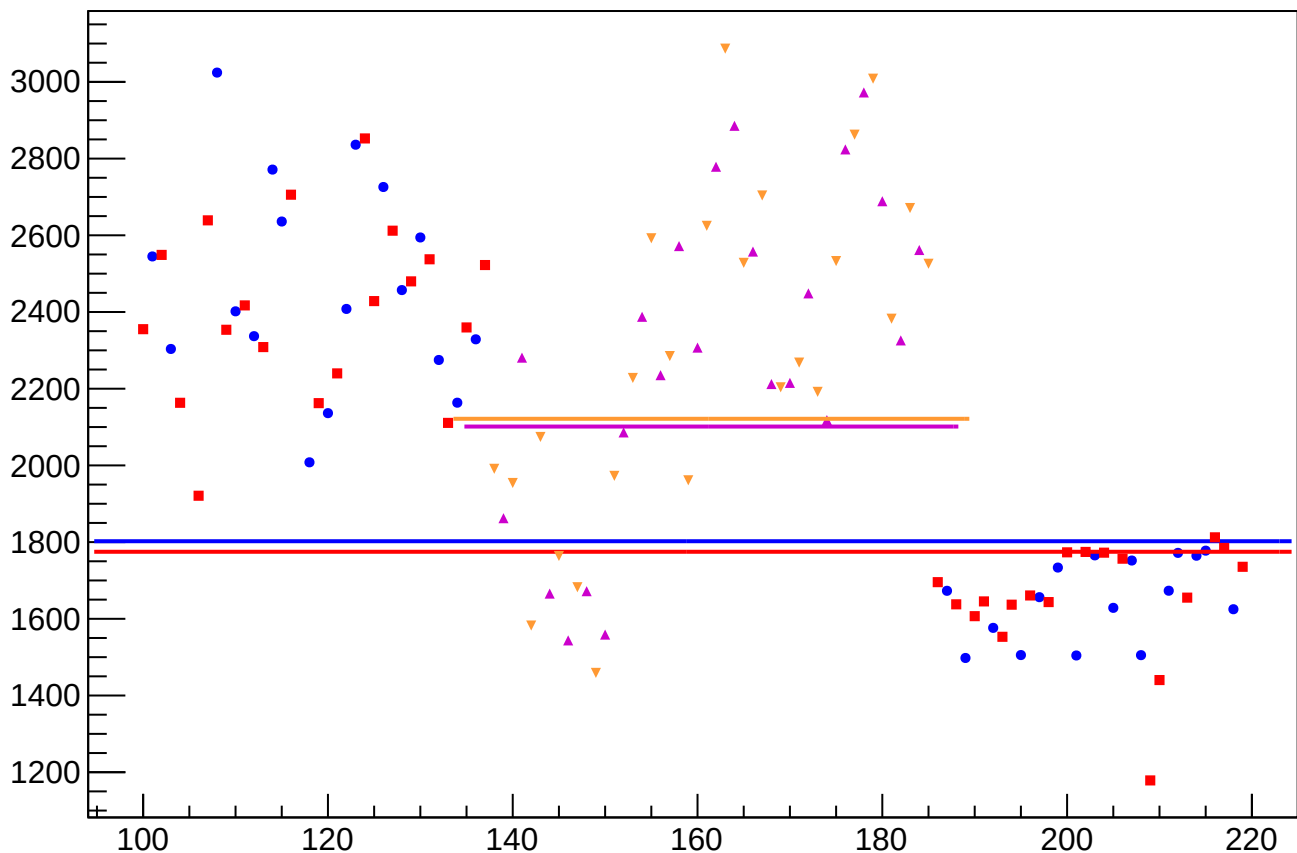
Left In: 65.752 $\pm$ 0.518 χ^2 /NDF: 7335.8/22

+ sign 54.105 $\pm$ 0.328 χ^2 /NDF: 17806.9/57

All: 47.065 $\pm$ 0.230 χ^2 /NDF: 83038.5/117

- sign 40.303 $\pm$ 0.321 χ^2 /NDF: 64328.0/59

diff_bpm1i06X_rms vs Slug



Right In: 1802.304+/-0.305 χ^2/NDF : 1202526.8/32

Left Out: 2121.567+/-0.357 χ^2/NDF :1387847.6/24

Right Out: 1774.814+/-0.290 χ^2/NDF : 1478851.4/36

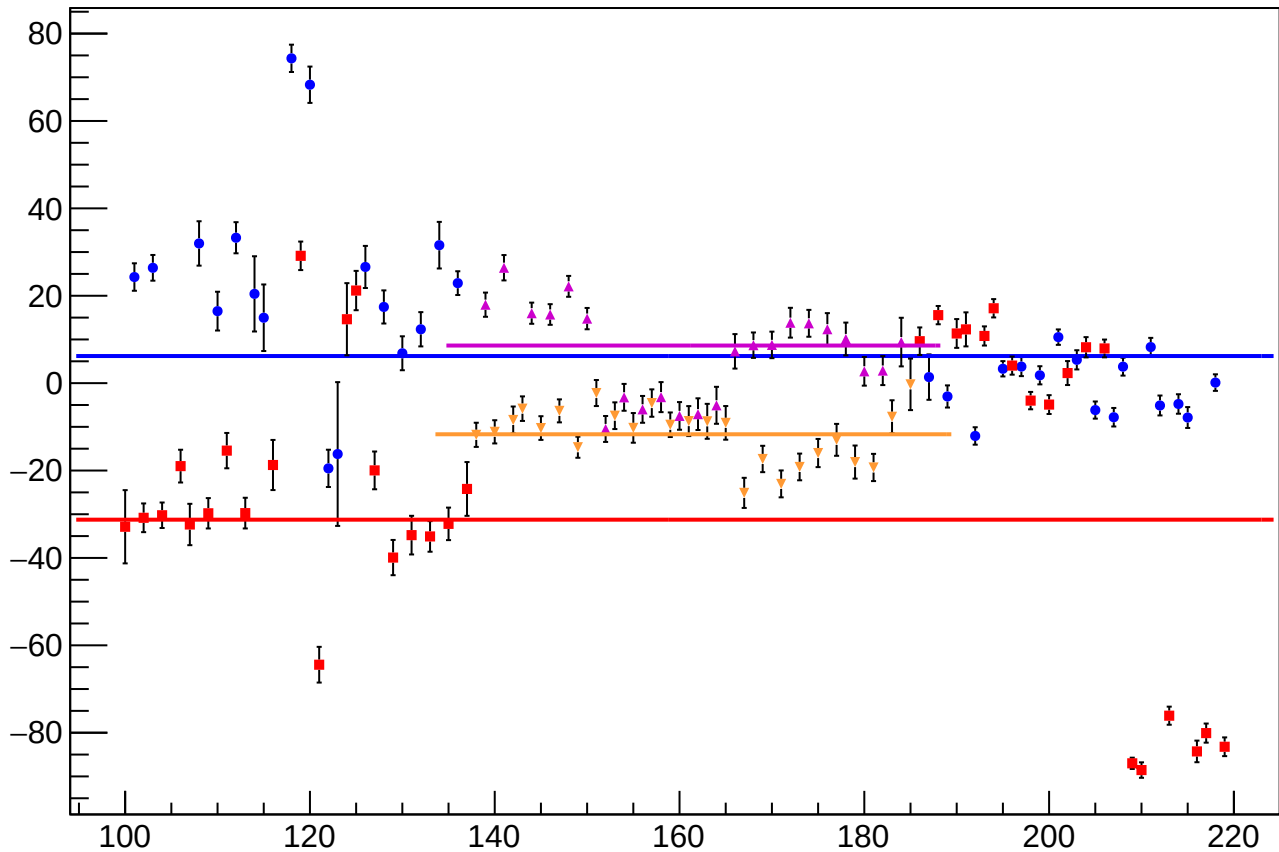
Left In: 2101.325+/-0.366 χ^2/NDF :1360518.3/22

+ sign 1936.716+/-0.232 χ^2/NDF : 3052617.3/57

All: 1918.315+/-0.162 χ^2/NDF : 6393354.1/11

- sign 1900.638+/-0.227 χ^2/NDF : 3328385.9/59

diff_bpm1i06Y_mean vs Slug



Right In: 6.205 ± 0.467 χ^2/NDF : 1291.3/32

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -31.244 ± 0.443 χ^2/NDF : 8854.8/36

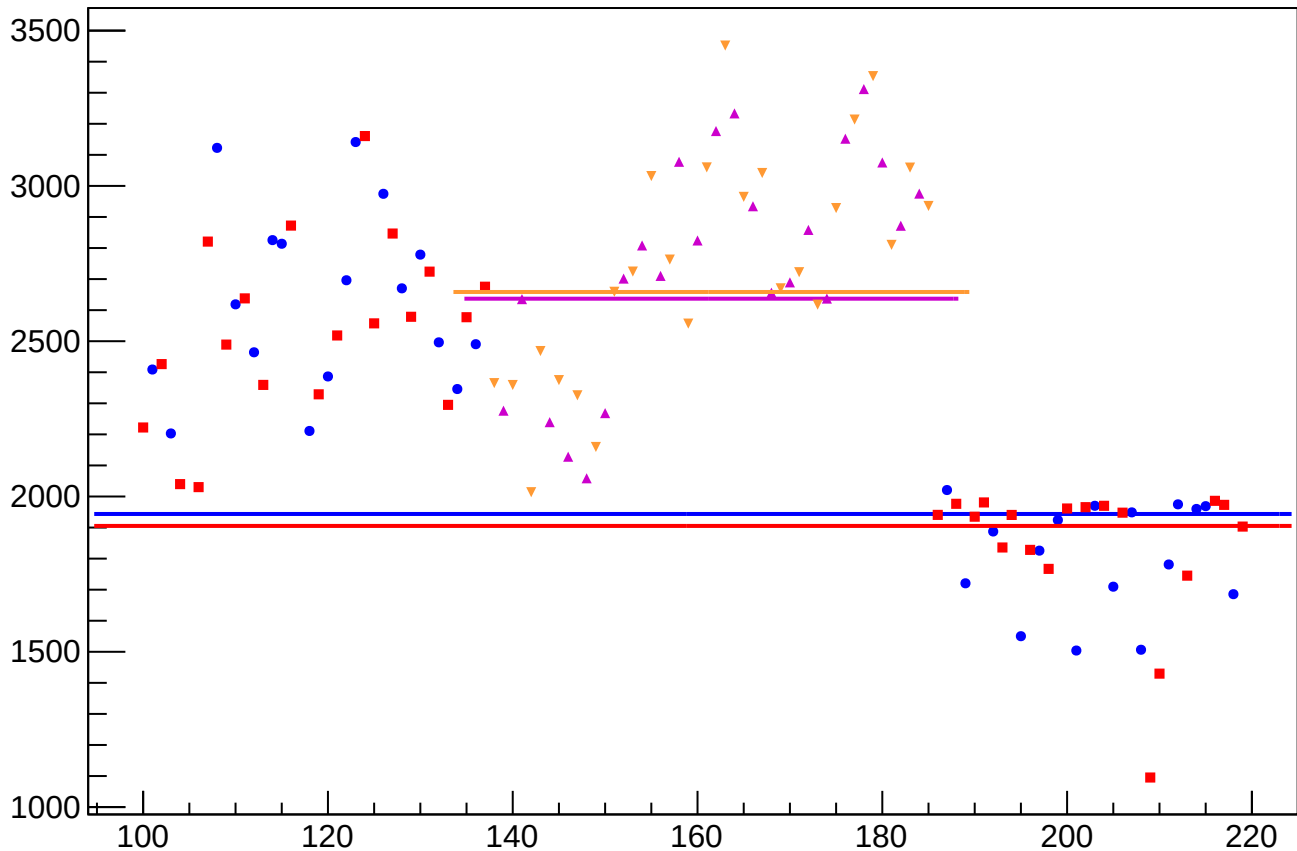
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.206 ± 0.374 χ^2/NDF : 1902.5/57

All: -9.524 ± 0.261 χ^2/NDF : 14839.5/117

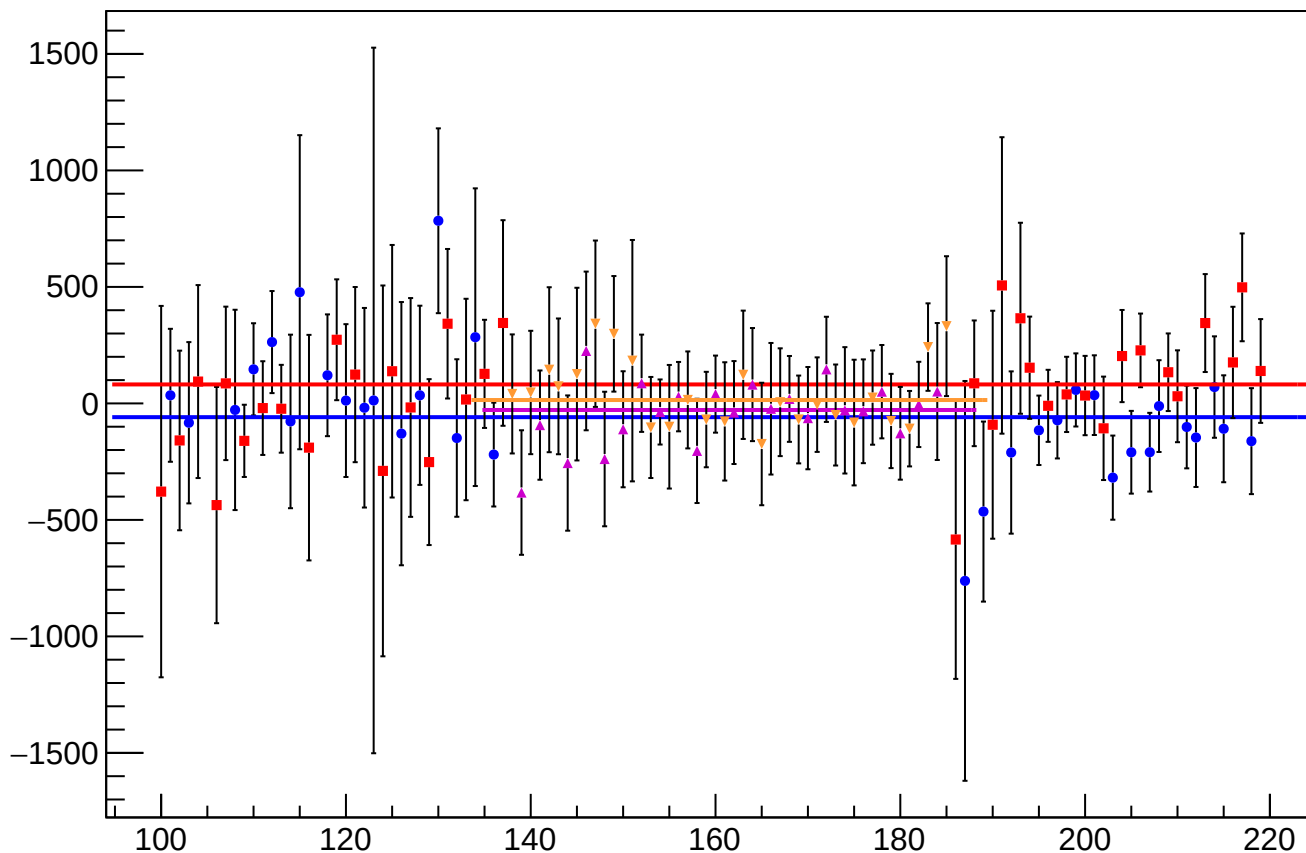
- sign -18.376 ± 0.365 χ^2/NDF : 11728.4/59

diff_bpm1i06Y_rms vs Slug



Right In: 1943.745 $\pm$ 0.330	χ^2 /NDF: 1220659.7/32	+ sign 2199.670 $\pm$ 0.265	χ^2 /NDF: 3515437.3/57
Left Out: 2658.486 $\pm$ 0.442	χ^2 /NDF: 618133.8/24	All: 2169.845 $\pm$ 0.185	χ^2 /NDF: 7780404.8/11
Right Out: 1905.259 $\pm$ 0.313	χ^2 /NDF: 1828247.8/36	- sign 2141.512 $\pm$ 0.258	χ^2 /NDF: 4240200.3/59
Left In: 2636.885 $\pm$ 0.454	χ^2 /NDF: 652894.5/22		

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -59.019 $\pm$ 41.913 χ^2/NDF : 17.4/32

Left Out: 14.520 $\pm$ 47.528 χ^2/NDF : 7.8/24

Right Out: 81.445 $\pm$ 40.982 χ^2/NDF : 17.9/36

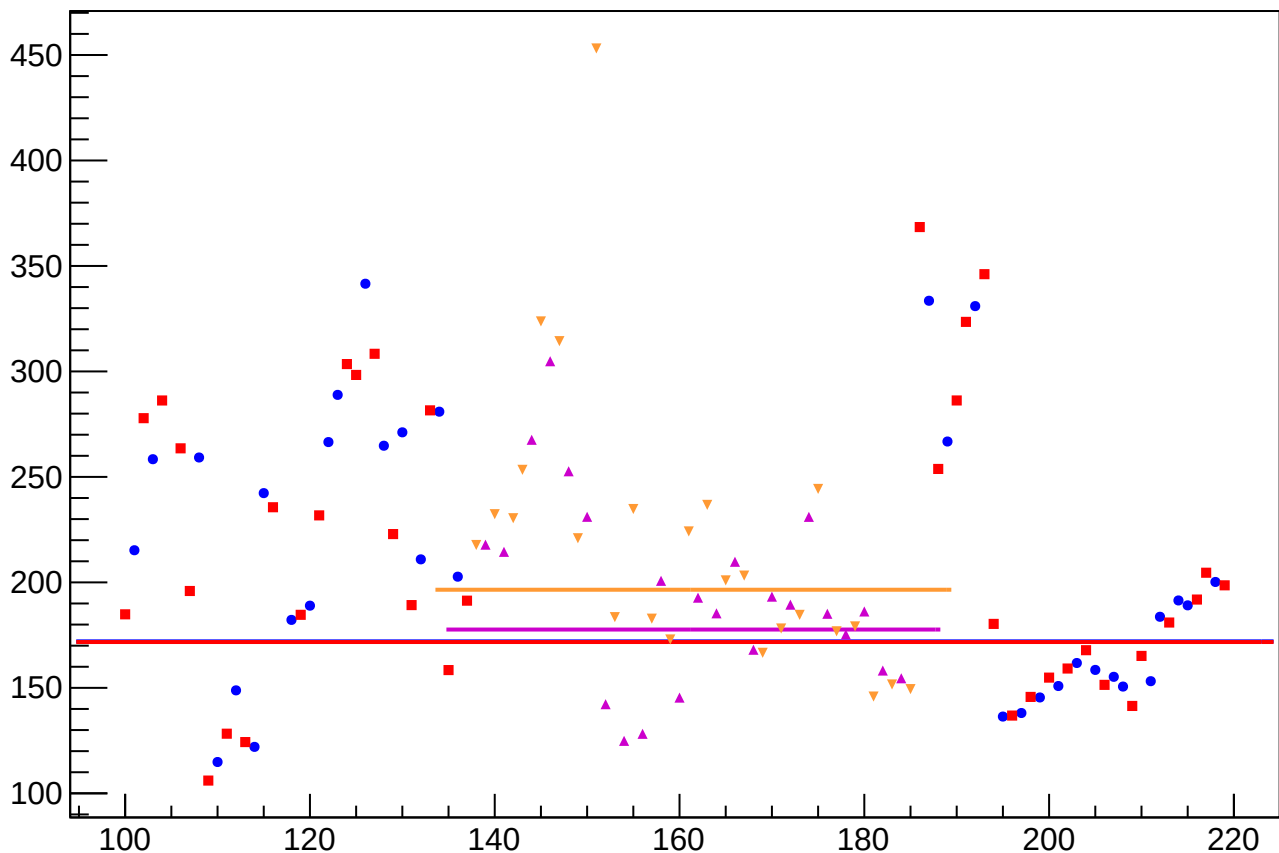
Left In: -28.310 $\pm$ 44.638 χ^2/NDF : 6.3/22

+ sign -26.848 $\pm$ 31.436 χ^2/NDF : 26.6/57

All: 3.375 $\pm$ 21.774 χ^2/NDF : 55.8/117

- sign 31.247 $\pm$ 30.188 χ^2/NDF : 27.5/59

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.040 $\pm$ 0.030 χ^2 /NDF: 2205085.5/32

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF:1789504.4/24

Right Out: 171.729 $\pm$ 0.029 χ^2 /NDF: 2930600.8/36

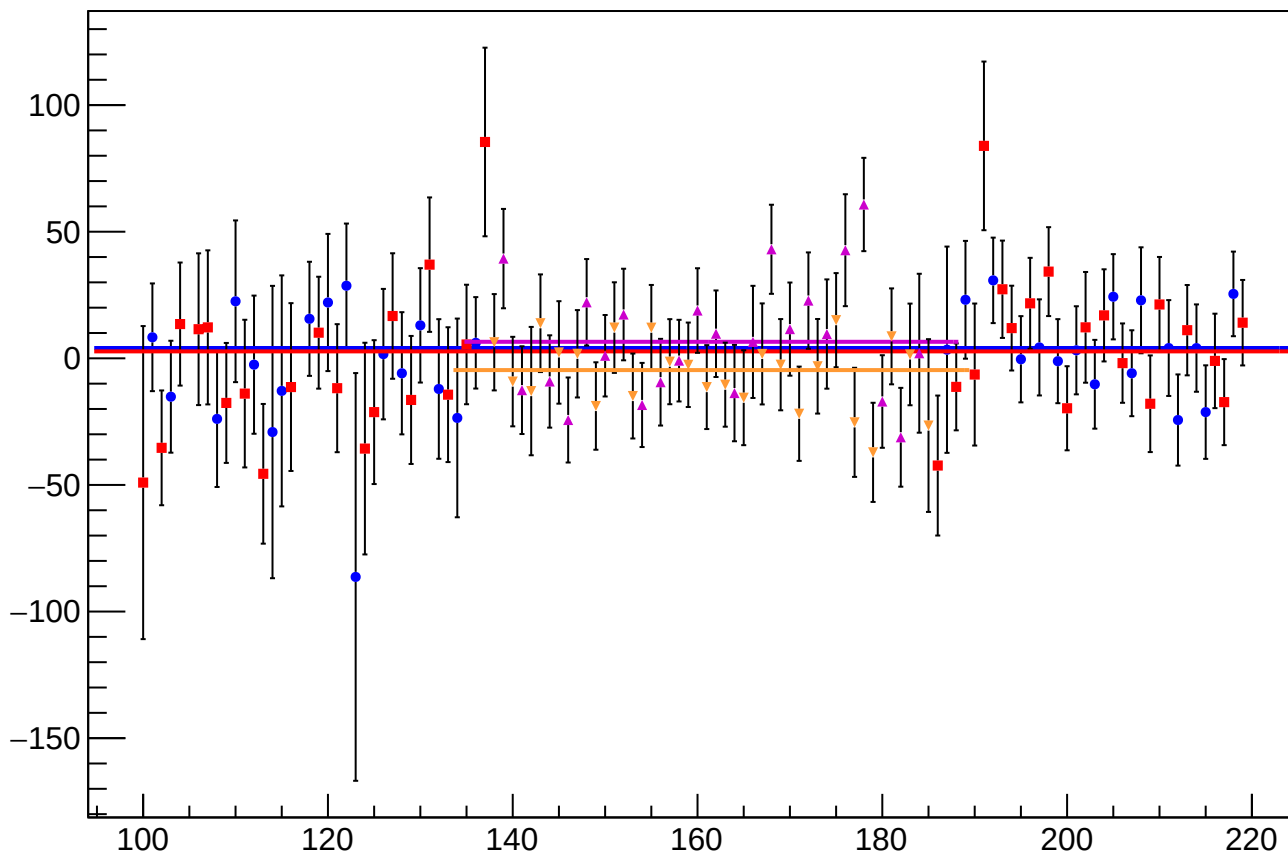
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF:1630664.5/22

+ sign 182.747 $\pm$ 0.022 χ^2 /NDF: 4292903.8/57

All: 178.422 $\pm$ 0.015 χ^2 /NDF: 8945974.8/117

- sign 174.434 $\pm$ 0.021 χ^2 /NDF: 4580315.4/59

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.074 ± 3.739 χ^2/NDF : 19.5/32

Left Out: -4.646 ± 3.728 χ^2/NDF : 12.1/24

Right Out: 2.740 ± 3.624 χ^2/NDF : 40.7/36

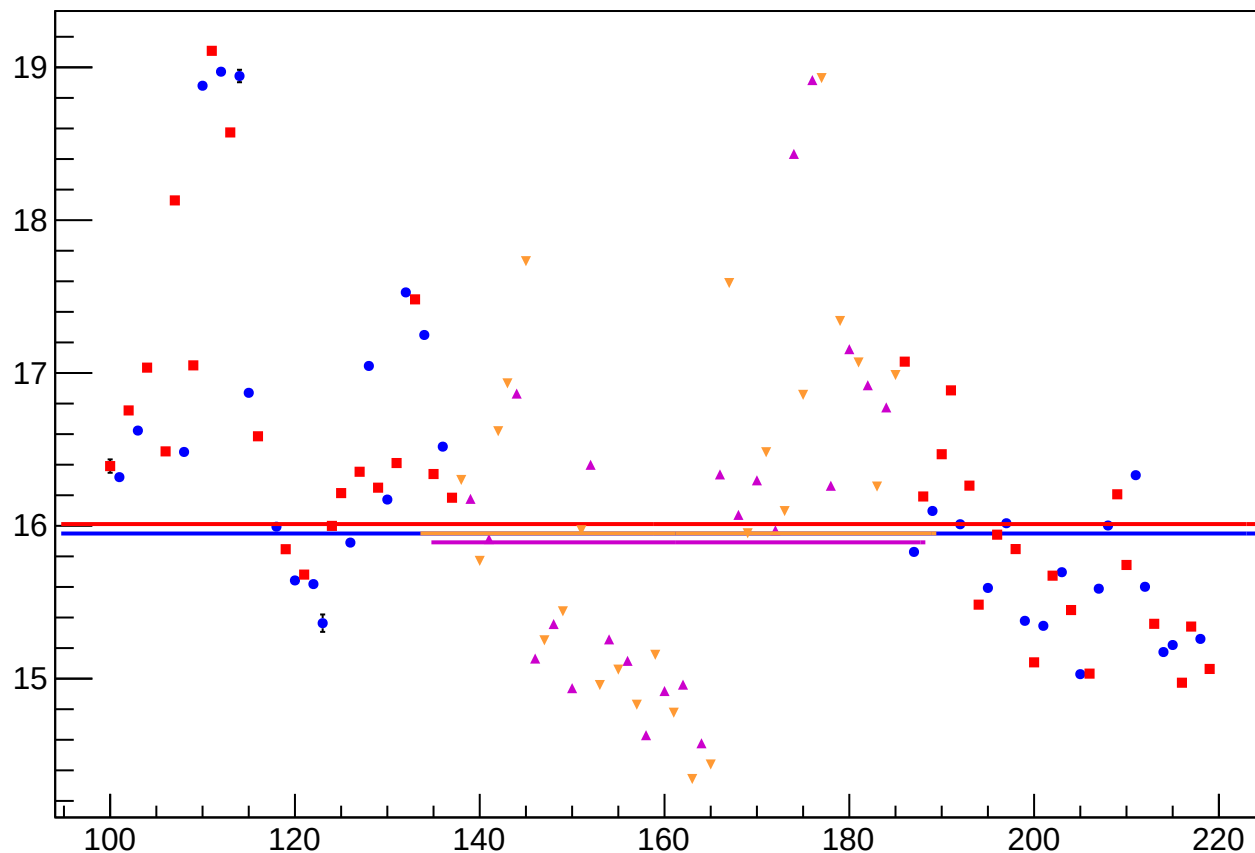
Left In: 6.526 ± 3.828 χ^2/NDF : 36.4/22

+ sign -0.299 ± 2.640 χ^2/NDF : 34.3/57

All: 2.123 ± 1.864 χ^2/NDF : 113.6/117

- sign 4.530 ± 2.632 χ^2/NDF : 77.7/59

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.950 ± 0.003 $\chi^2/\text{NDF}: 91875.3/32$

Left Out: 15.951 ± 0.003 $\chi^2/\text{NDF}: 173458.5/24$

Right Out: 16.011 ± 0.003 $\chi^2/\text{NDF}: 110997.1/36$

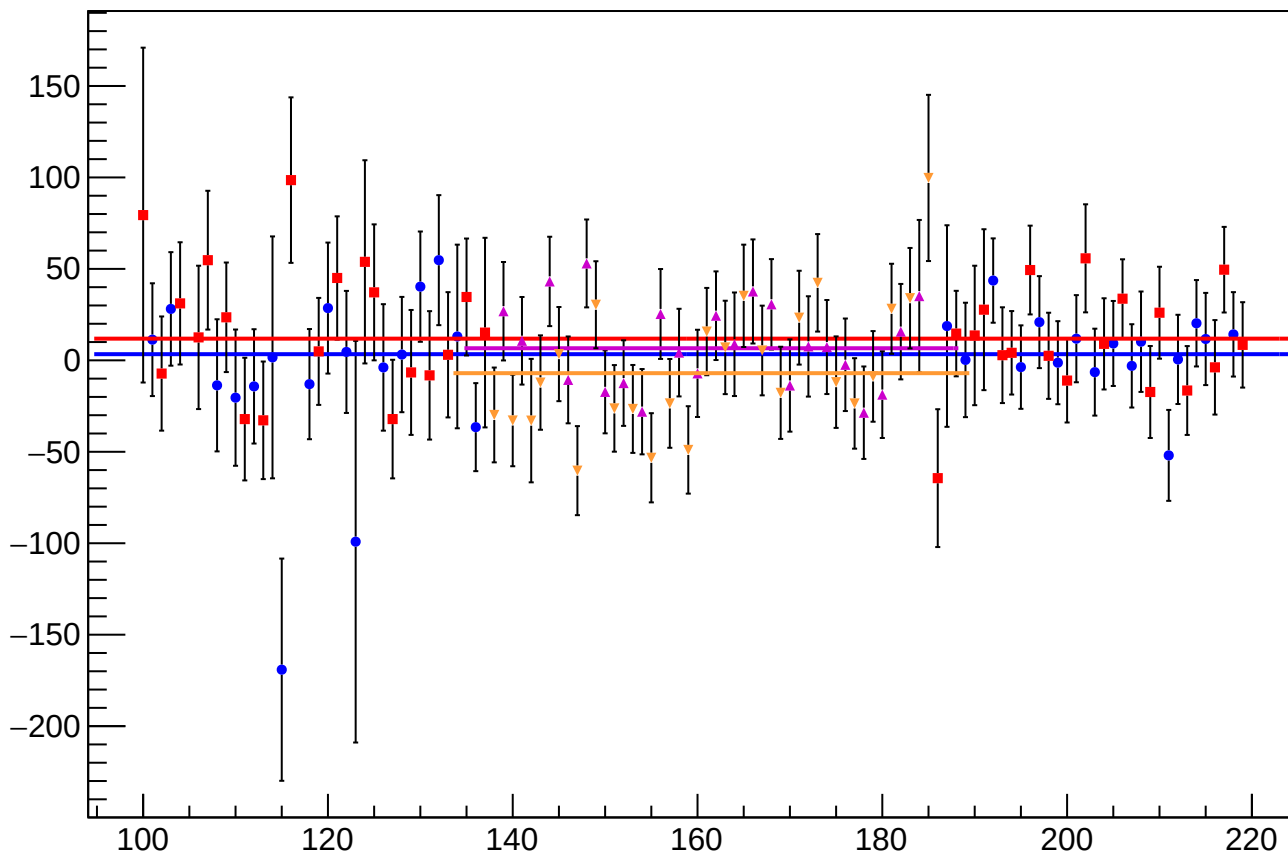
Left In: 15.892 ± 0.003 $\chi^2/\text{NDF}: 147093.3/22$

+ sign 15.950 ± 0.002 $\chi^2/\text{NDF}: 265333.9/57$

All: 15.953 ± 0.001 $\chi^2/\text{NDF}: 524457.4/117$

- sign 15.955 ± 0.002 $\chi^2/\text{NDF}: 259120.3/59$

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.369 ± 5.020 χ^2/NDF : 27.9/32

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 11.860 ± 4.867 χ^2/NDF : 32.4/36

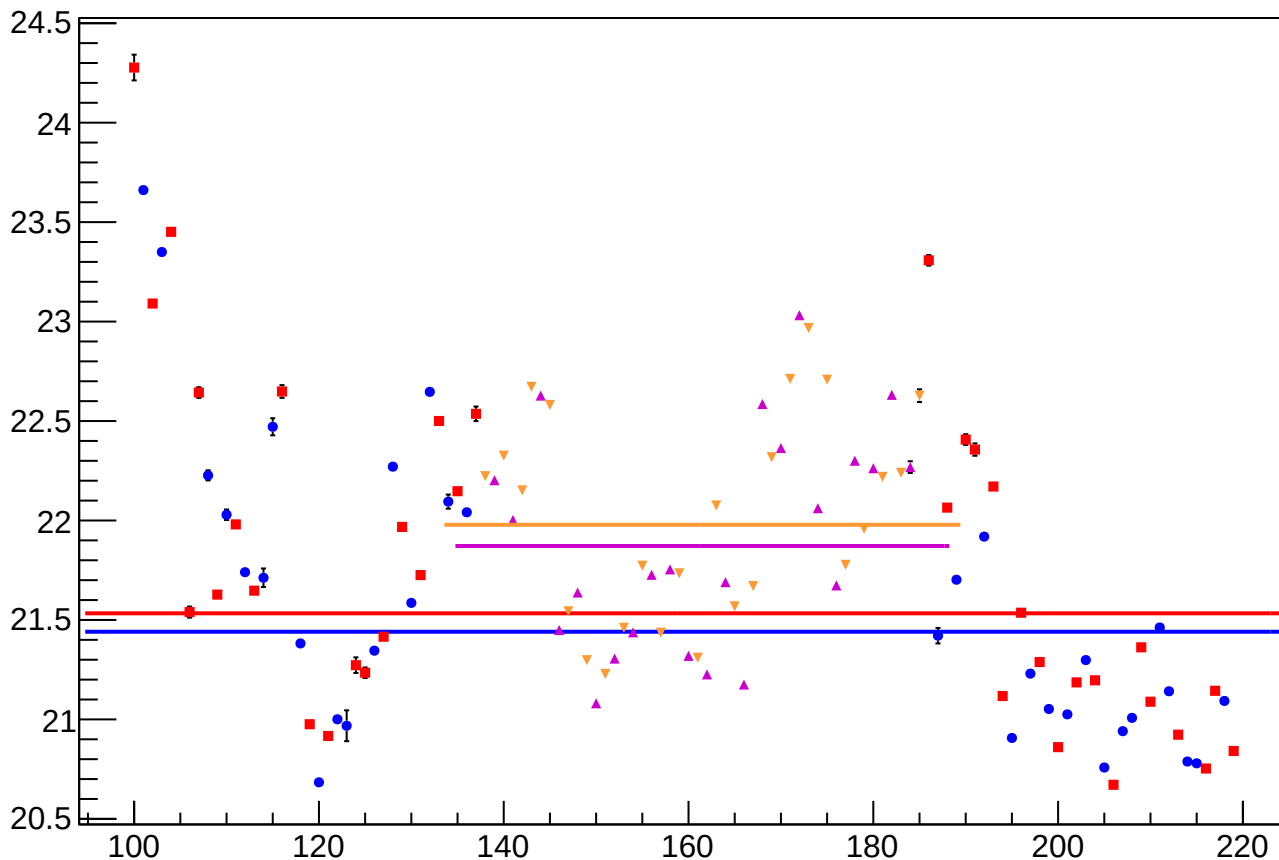
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -1.721 ± 3.585 χ^2/NDF : 67.4/57

All: 3.881 ± 2.529 χ^2/NDF : 124.3/117

- sign 9.435 ± 3.570 χ^2/NDF : 52.1/59

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.441 $\pm$ 0.004 χ^2 /NDF: 37150.6/32

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF:19430.2/24

Right Out: 21.533 $\pm$ 0.003 χ^2 /NDF: 42720.7/36

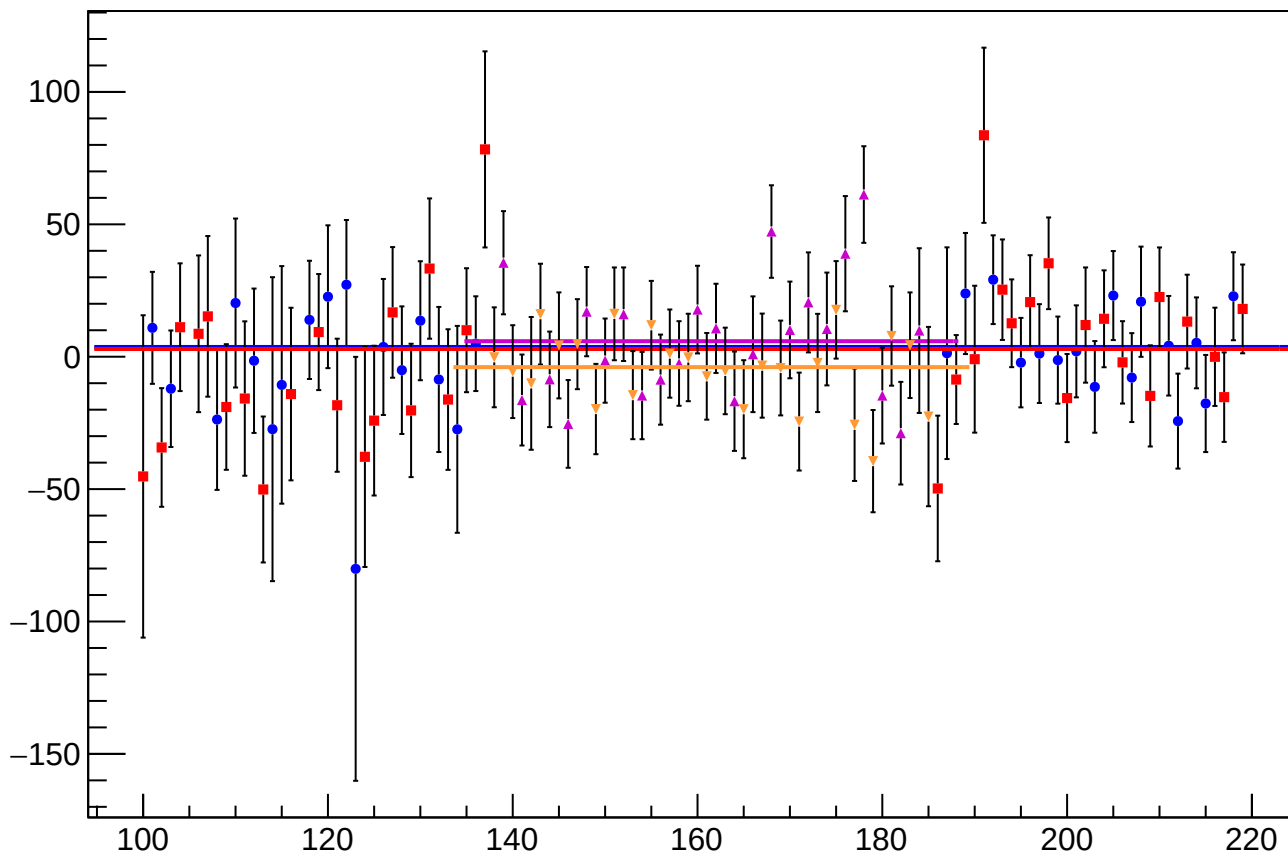
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

+ sign 21.704 $\pm$ 0.003 χ^2 /NDF: 67824.2/57

All: 21.697 $\pm$ 0.002 χ^2 /NDF: 135554.1/117

- sign 21.690 $\pm$ 0.003 χ^2 /NDF: 67713.6/59

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.684 ± 3.713 $\chi^2/\text{NDF}: 18.0/32$

Left Out: -3.927 ± 3.688 $\chi^2/\text{NDF}: 14.0/24$

Right Out: 2.922 ± 3.600 $\chi^2/\text{NDF}: 41.4/36$

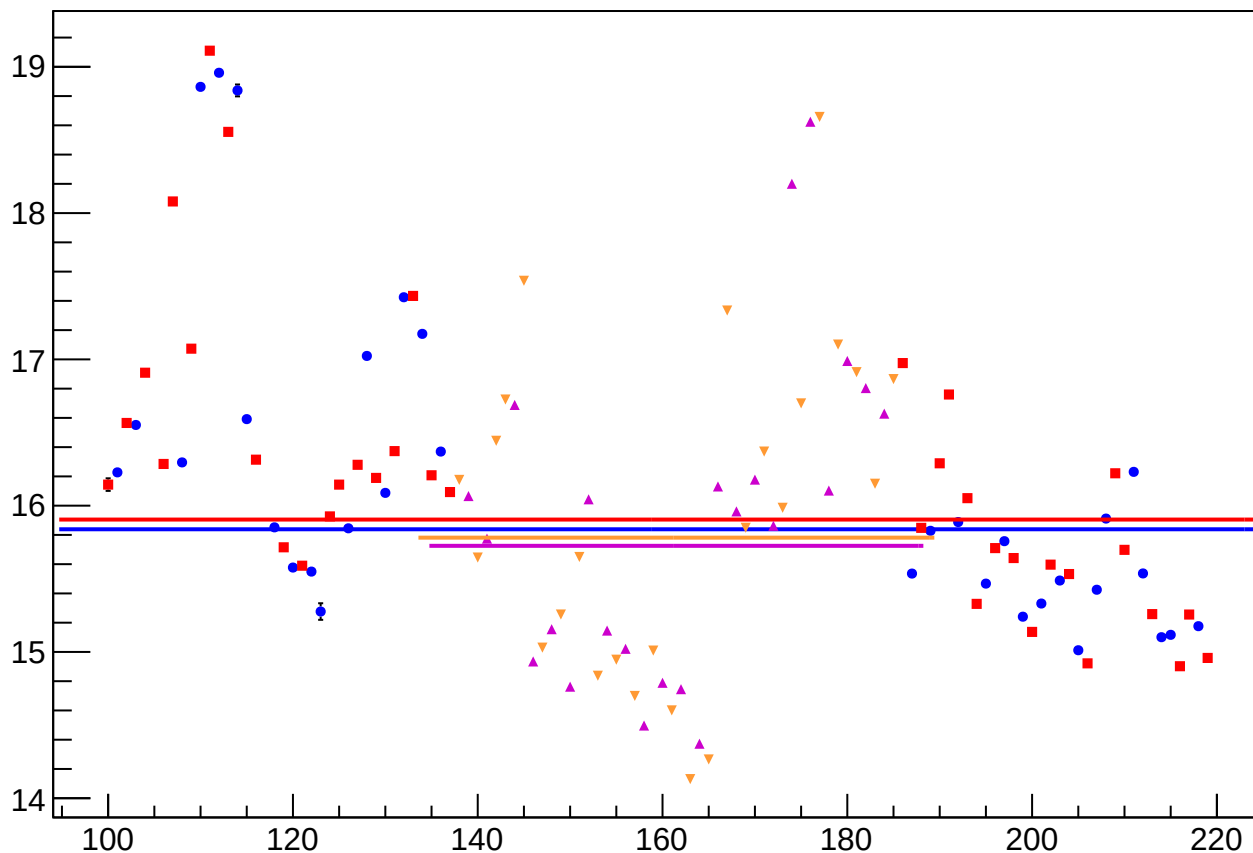
Left In: 5.861 ± 3.787 $\chi^2/\text{NDF}: 36.2/22$

+ sign -0.148 ± 2.617 $\chi^2/\text{NDF}: 34.1/57$

All: 2.091 ± 1.848 $\chi^2/\text{NDF}: 113.4/117$

- sign 4.317 ± 2.609 $\chi^2/\text{NDF}: 77.9/59$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.839 $\pm$ 0.003 χ^2 /NDF: 93819.6/32

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF:172894.3/24

Right Out: 15.905 $\pm$ 0.003 χ^2 /NDF: 112742.4/36

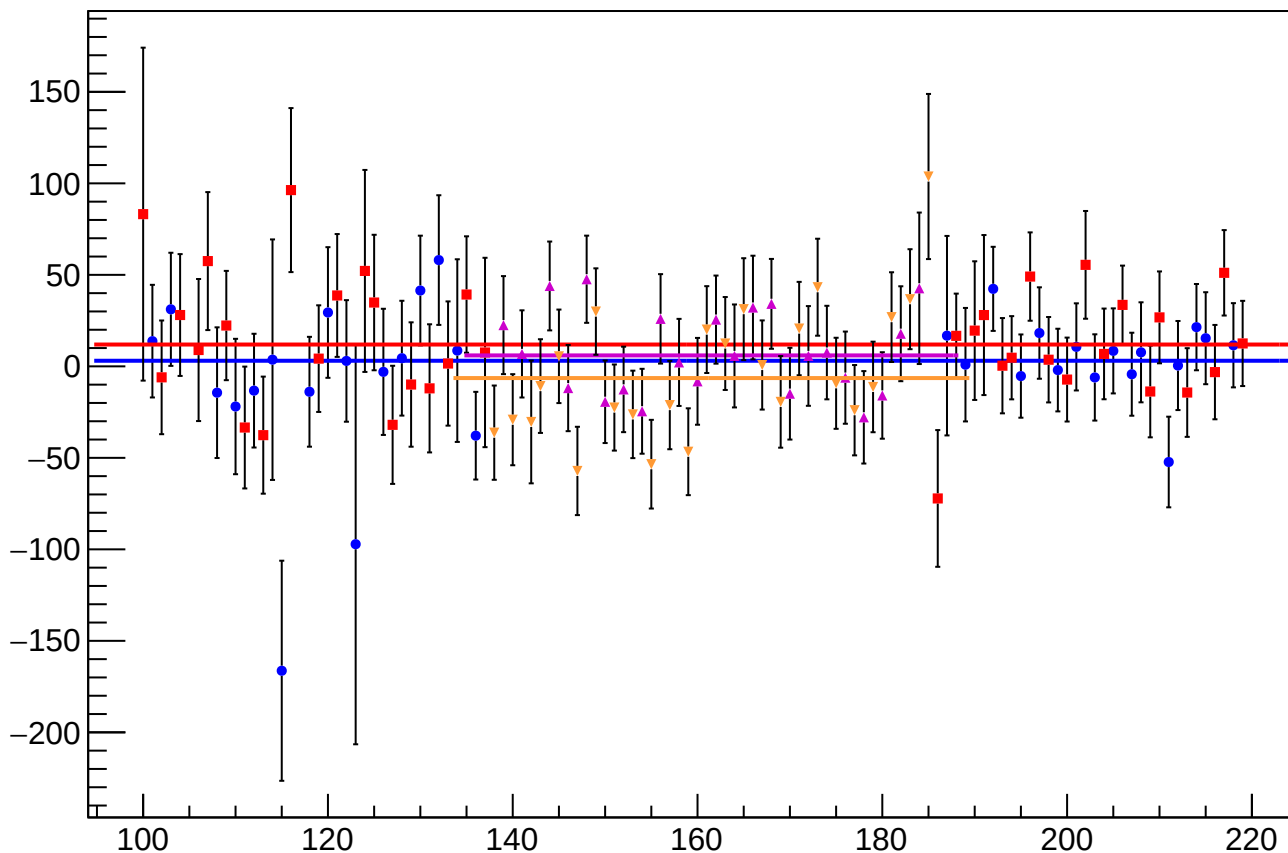
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF:145830.9/22

+ sign 15.810 $\pm$ 0.002 χ^2 /NDF: 266953.2/57

All: 15.815 $\pm$ 0.001 χ^2 /NDF: 527903.1/117

- sign 15.820 $\pm$ 0.002 χ^2 /NDF: 260935.3/59

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.058 ± 4.999 χ^2/NDF : 28.5/32

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 11.925 ± 4.844 χ^2/NDF : 33.5/36

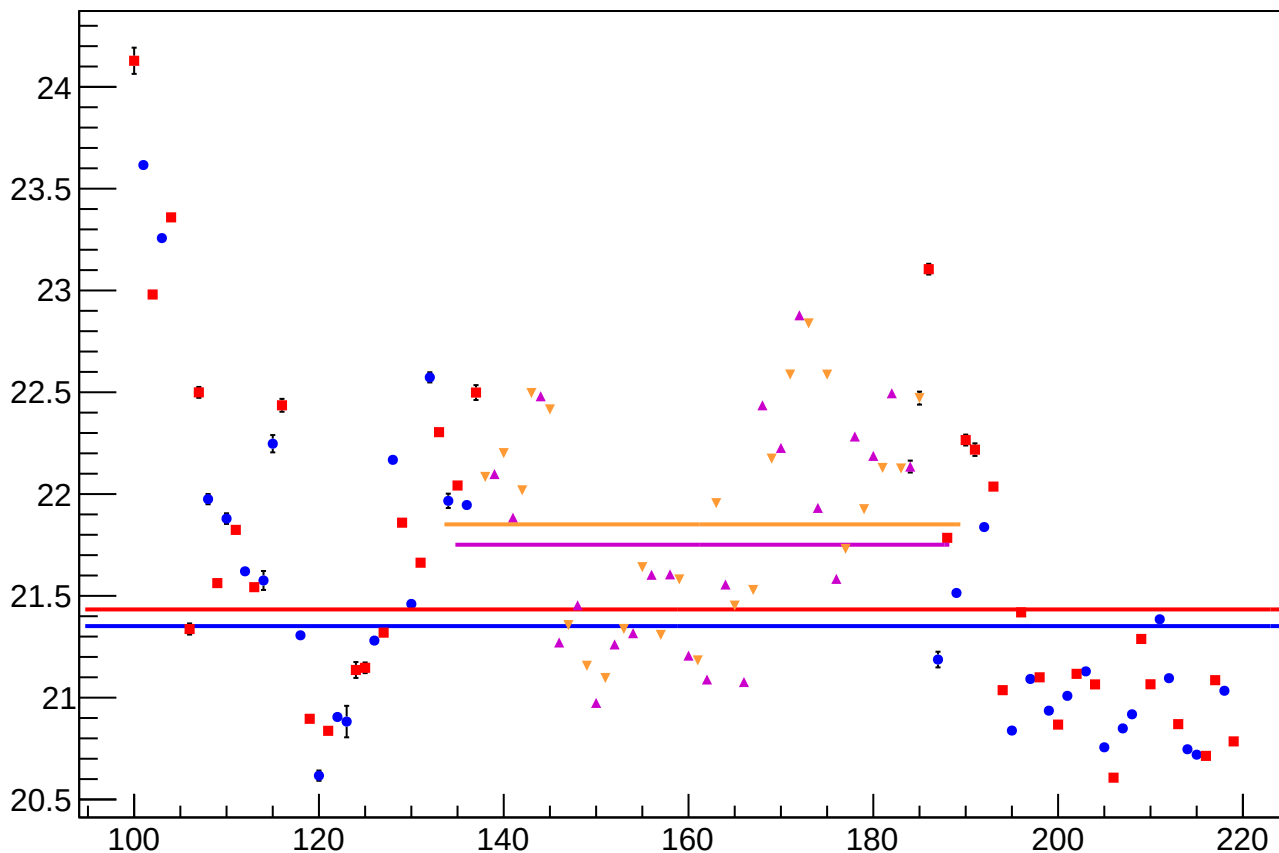
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -1.586 ± 3.567 χ^2/NDF : 67.7/57

All: 3.818 ± 2.517 χ^2/NDF : 125.0/117

- sign 9.175 ± 3.551 χ^2/NDF : 52.8/59

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.351 $\pm$ 0.004 χ^2 /NDF: 36077.2/32

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF:19631.8/24

Right Out: 21.433 $\pm$ 0.003 χ^2 /NDF: 39313.4/36

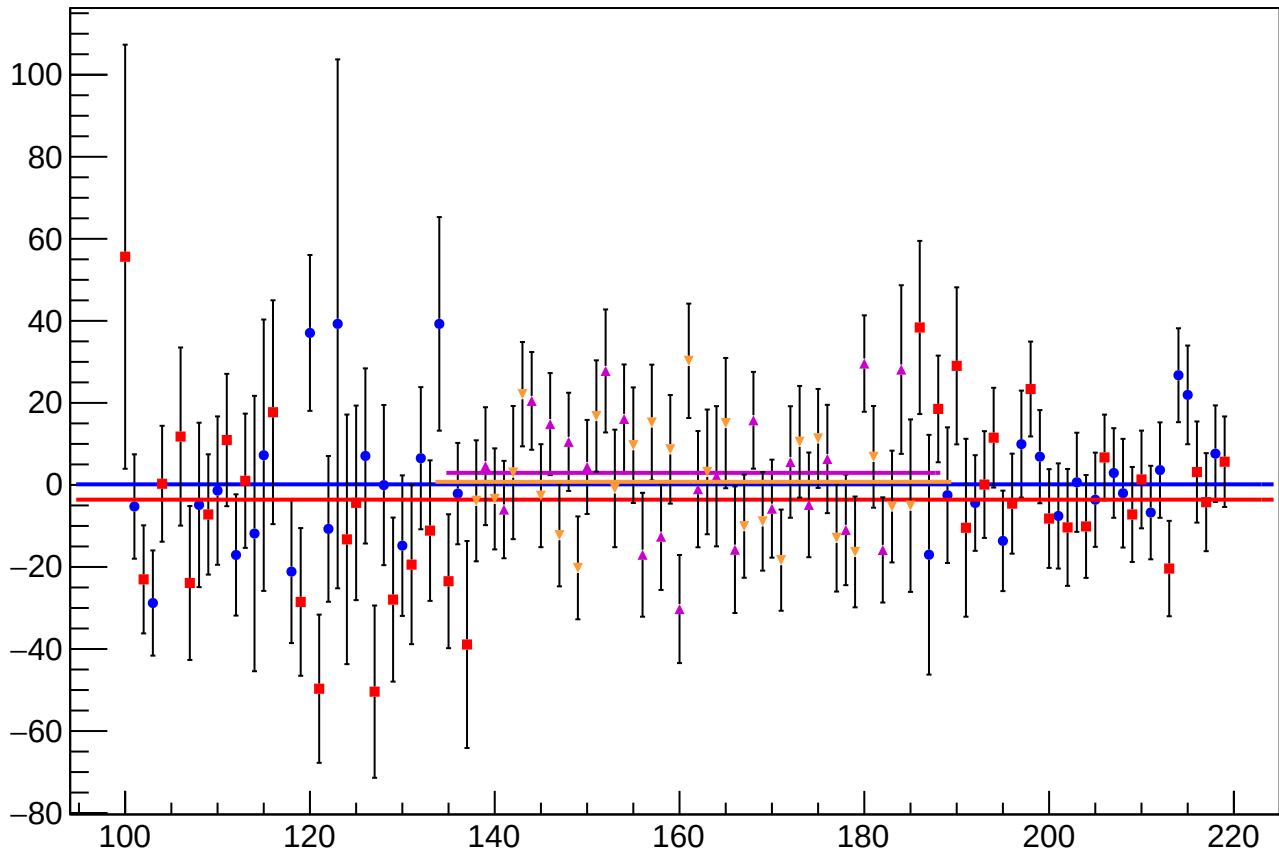
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF:20516.3/22

+ sign 21.597 $\pm$ 0.003 χ^2 /NDF: 65516.0/57

All: 21.588 $\pm$ 0.002 χ^2 /NDF: 129349.1/117

- sign 21.580 $\pm$ 0.003 χ^2 /NDF: 63811.9/59

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: 0.143 $\pm$ 2.523 χ^2/NDF : 29.0/32

Left Out: 0.759 $\pm$ 2.698 χ^2/NDF : 23.8/24

Right Out: -3.586 $\pm$ 2.456 χ^2/NDF : 48.0/36

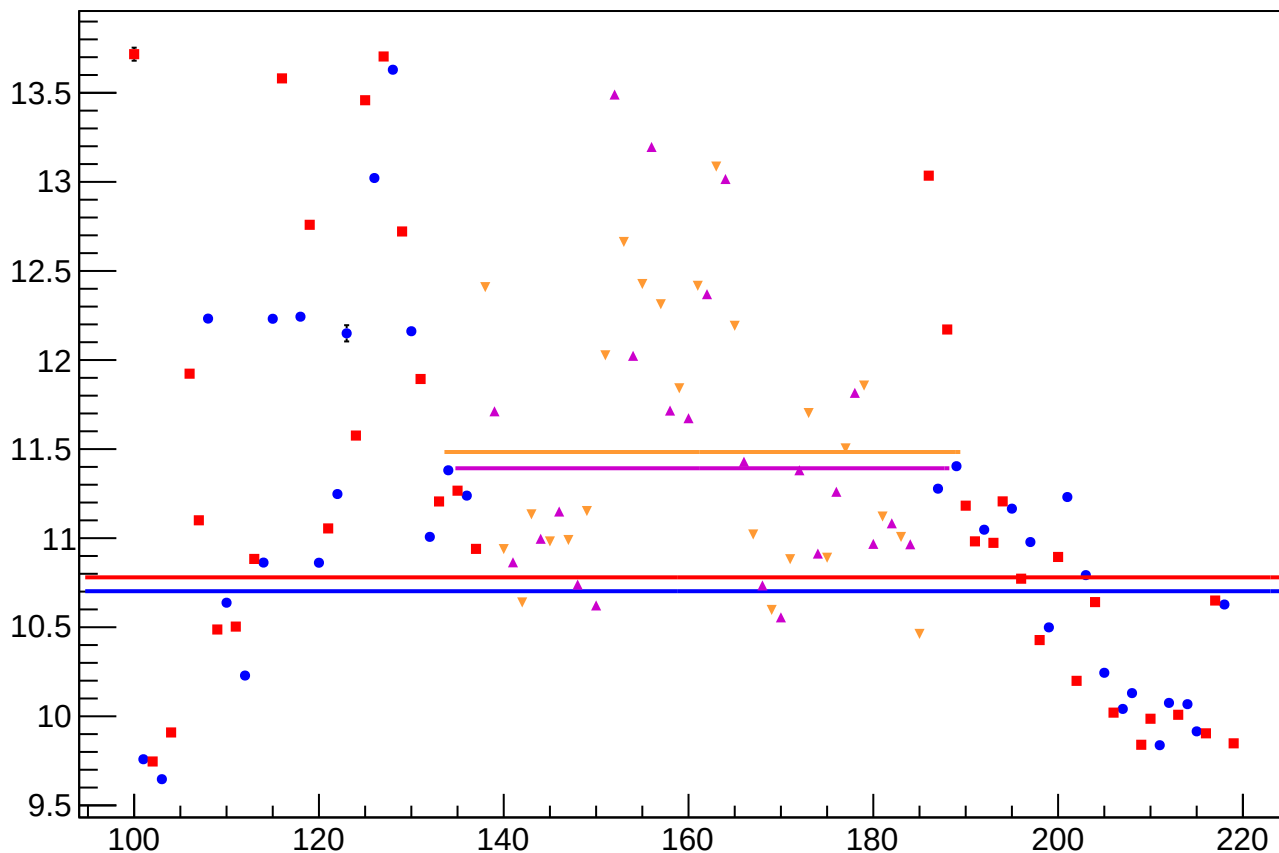
Left In: 2.944 $\pm$ 2.757 χ^2/NDF : 30.9/22

+ sign 0.430 $\pm$ 1.843 χ^2/NDF : 52.8/57

All: -0.136 $\pm$ 1.300 χ^2/NDF : 135.1/117

- sign -0.697 $\pm$ 1.834 χ^2/NDF : 82.0/59

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.702 $\pm$ 0.002 χ^2 /NDF: 210498.4/32

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 10.780 $\pm$ 0.002 χ^2 /NDF: 295131.0/36

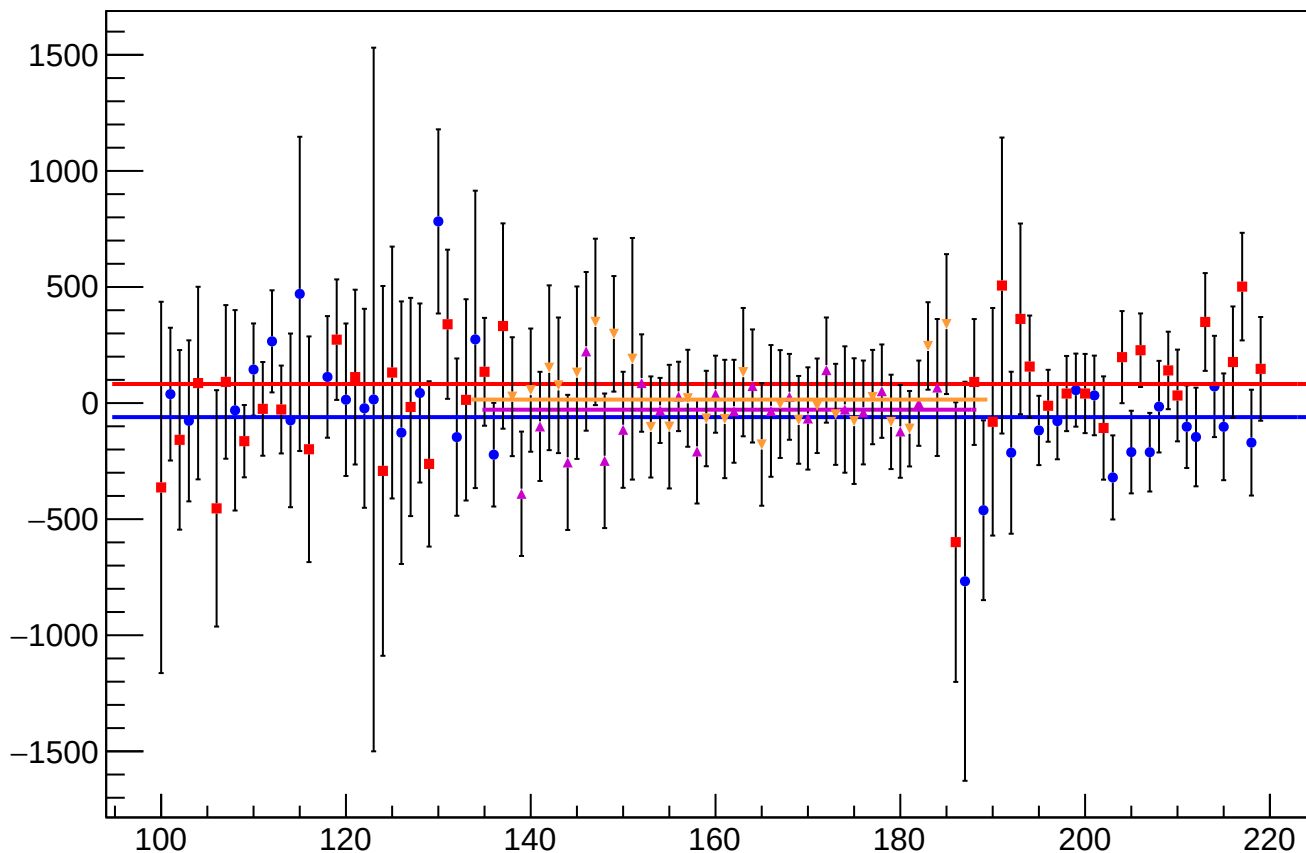
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.067 $\pm$ 0.001 χ^2 /NDF: 429818.7/57

All: 11.059 $\pm$ 0.001 χ^2 /NDF: 930505.2/117

- sign 11.051 $\pm$ 0.001 χ^2 /NDF: 500613.1/59

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -60.441 ± 42.013 χ^2/NDF : 17.4/32

Left Out: 15.130 ± 47.705 χ^2/NDF : 8.0/24

Right Out: 82.211 ± 41.087 χ^2/NDF : 18.2/36

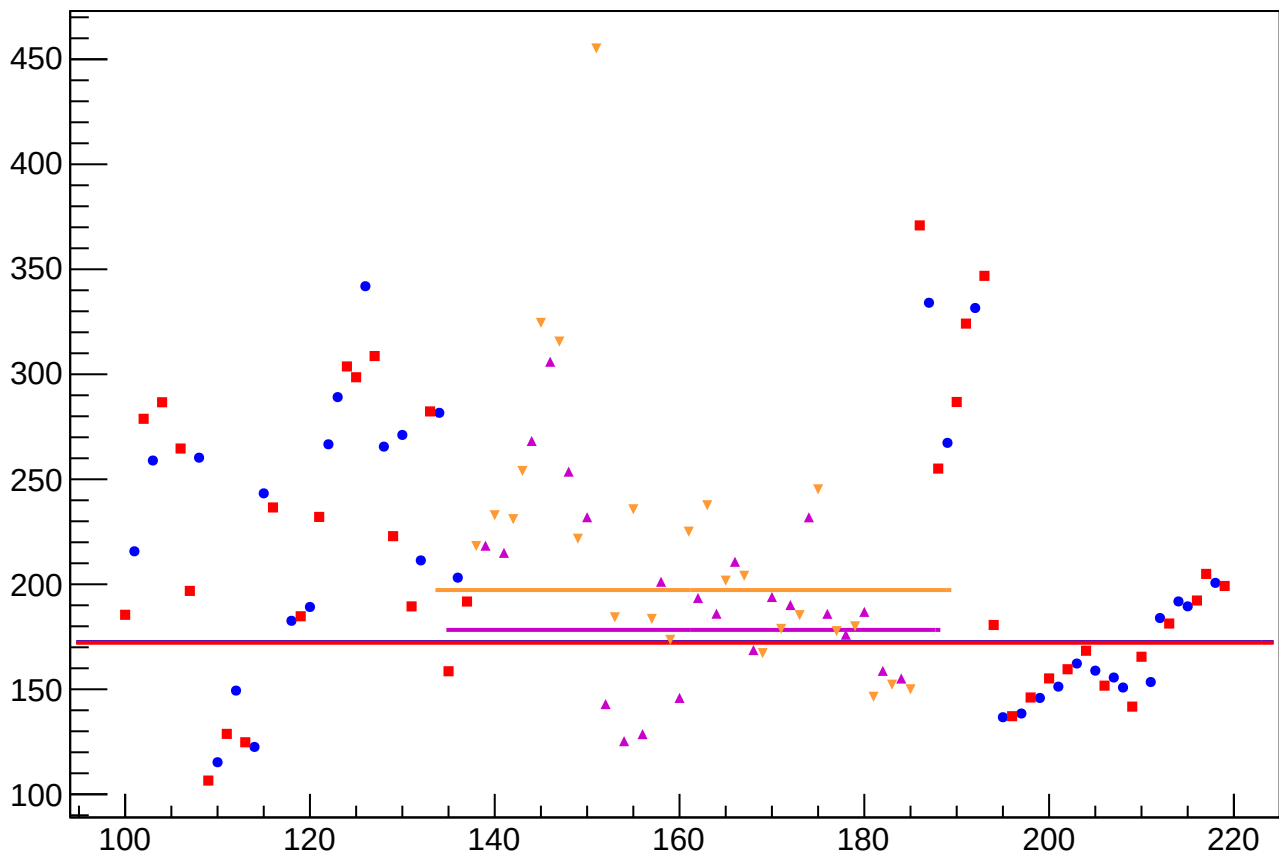
Left In: -28.500 ± 44.797 χ^2/NDF : 6.4/22

+ sign -27.430 ± 31.529 χ^2/NDF : 26.8/57

All: 3.292 ± 21.839 χ^2/NDF : 56.5/117

- sign 31.628 ± 30.280 χ^2/NDF : 27.9/59

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 172.465 $\pm$ 0.030 χ^2 /NDF: 2200060.3/32

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF: 1786808.1/24

Right Out: 172.182 $\pm$ 0.029 χ^2 /NDF: 2926822.5/36

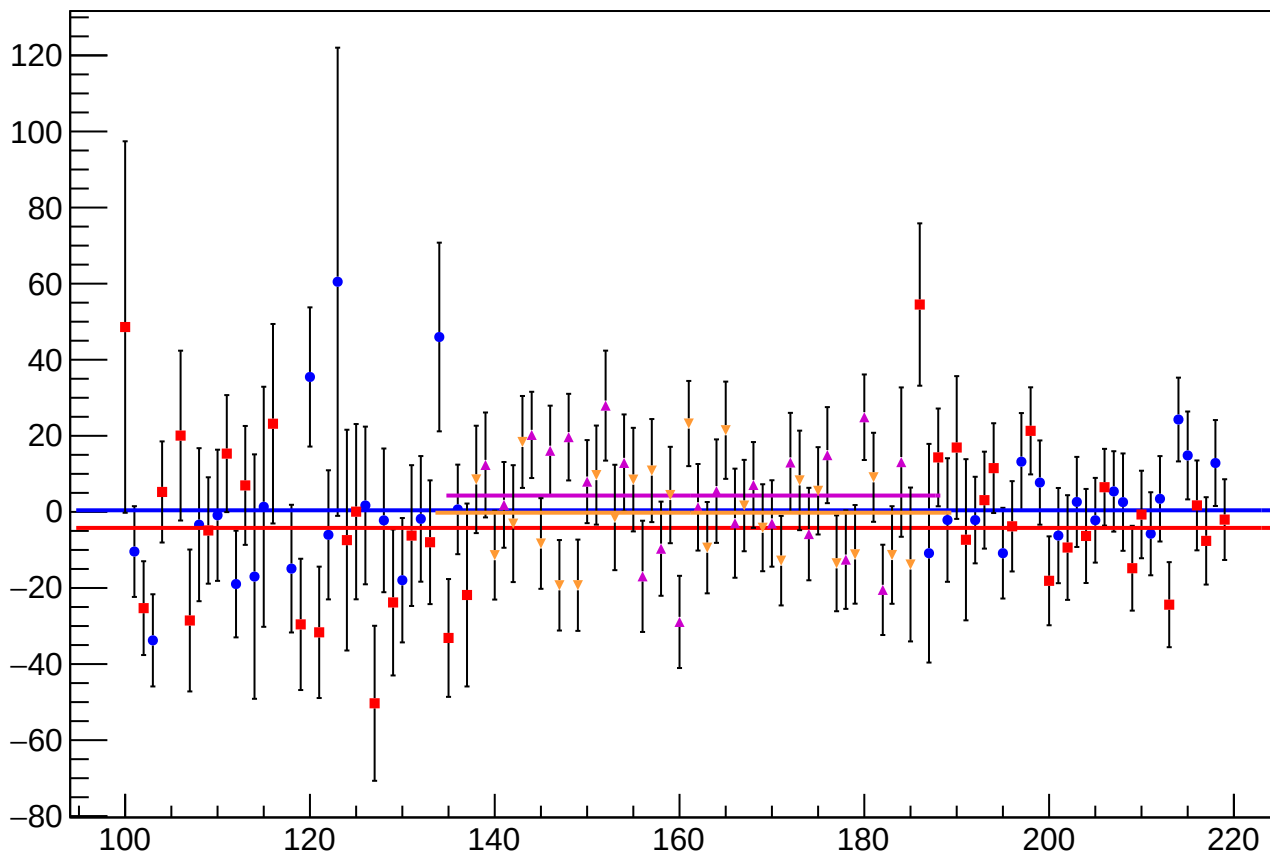
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF: 1628916.6/22

+ sign 183.291 $\pm$ 0.022 χ^2 /NDF: 4290896.0/57

All: 178.961 $\pm$ 0.015 χ^2 /NDF: 8939267.9/117

- sign 174.967 $\pm$ 0.021 χ^2 /NDF: 4575847.1/59

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: 0.420 ± 2.433 χ^2/NDF : 32.4/32

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -4.209 ± 2.373 χ^2/NDF : 51.1/36

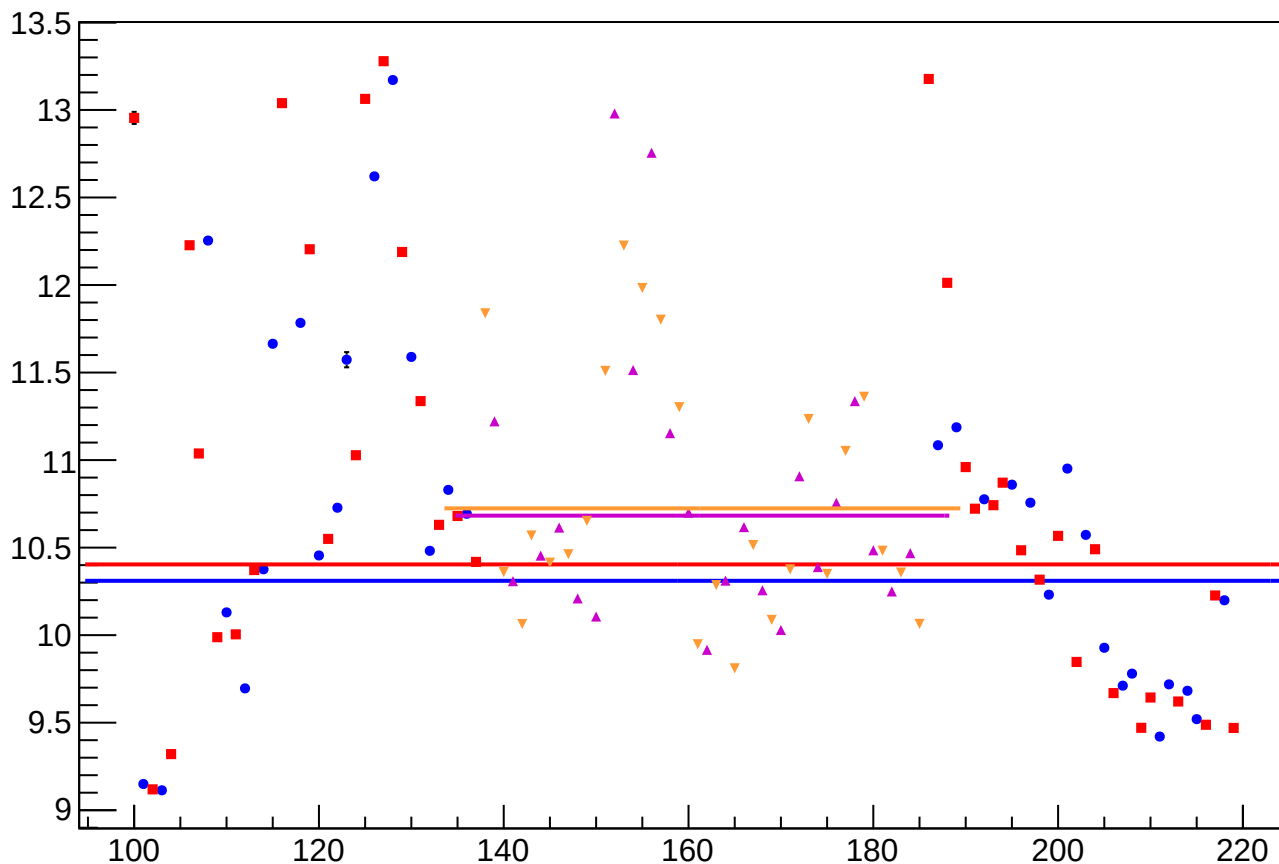
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign 0.116 ± 1.751 χ^2/NDF : 56.9/57

All: -0.105 ± 1.238 χ^2/NDF : 145.4/117

- sign -0.325 ± 1.749 χ^2/NDF : 88.5/59

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.310 $\pm$ 0.002 χ^2 /NDF: 239408.8/32

Left Out: 10.724 $\pm$ 0.002 χ^2 /NDF:132558.9/24

Right Out: 10.404 $\pm$ 0.002 χ^2 /NDF: 339194.2/36

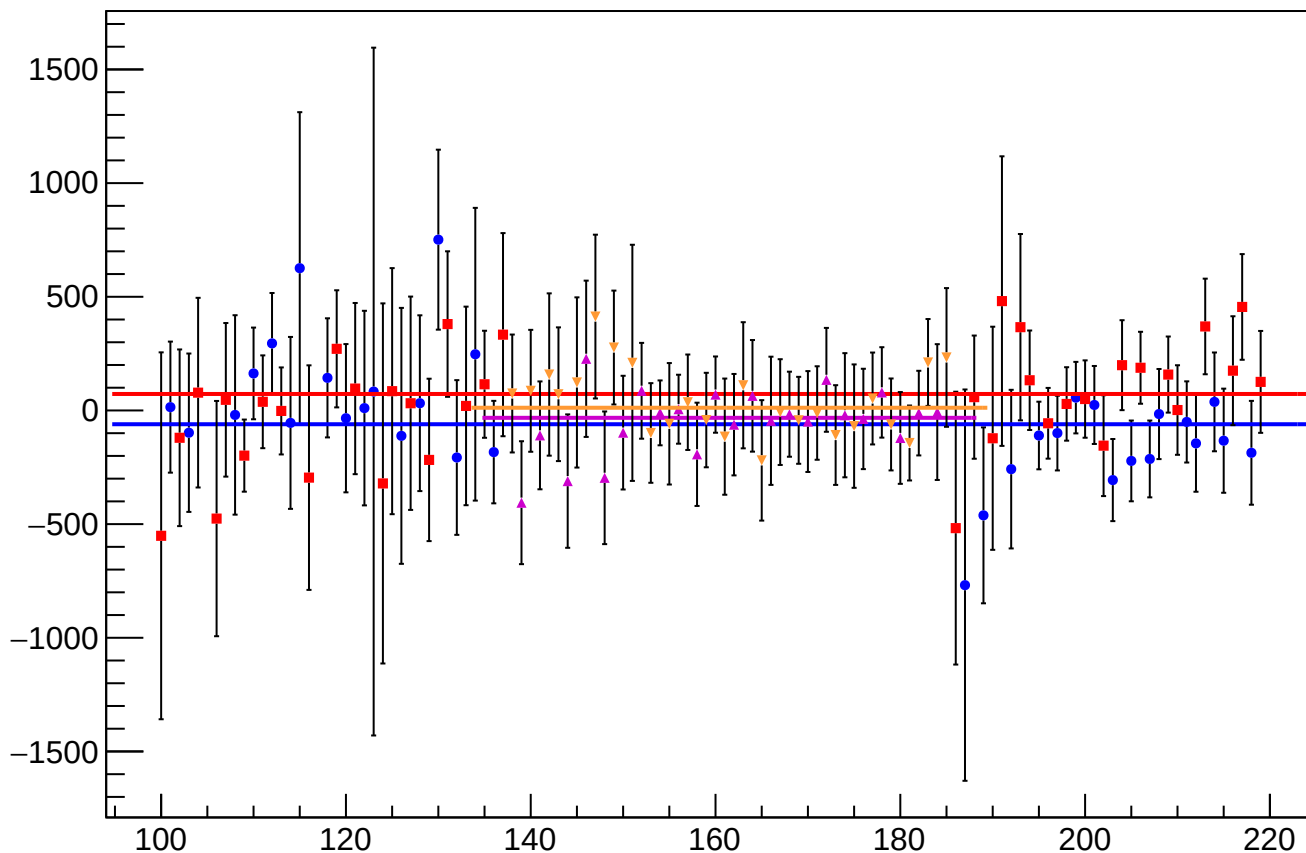
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF:147835.6/22

+ sign 10.510 $\pm$ 0.001 χ^2 /NDF: 399840.4/57

All: 10.520 $\pm$ 0.001 χ^2 /NDF: 899605.0/117

- sign 10.531 $\pm$ 0.001 χ^2 /NDF: 499613.4/59

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -60.629 ± 42.073 χ^2/NDF : 17.9/32

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 72.482 ± 41.207 χ^2/NDF : 18.7/36

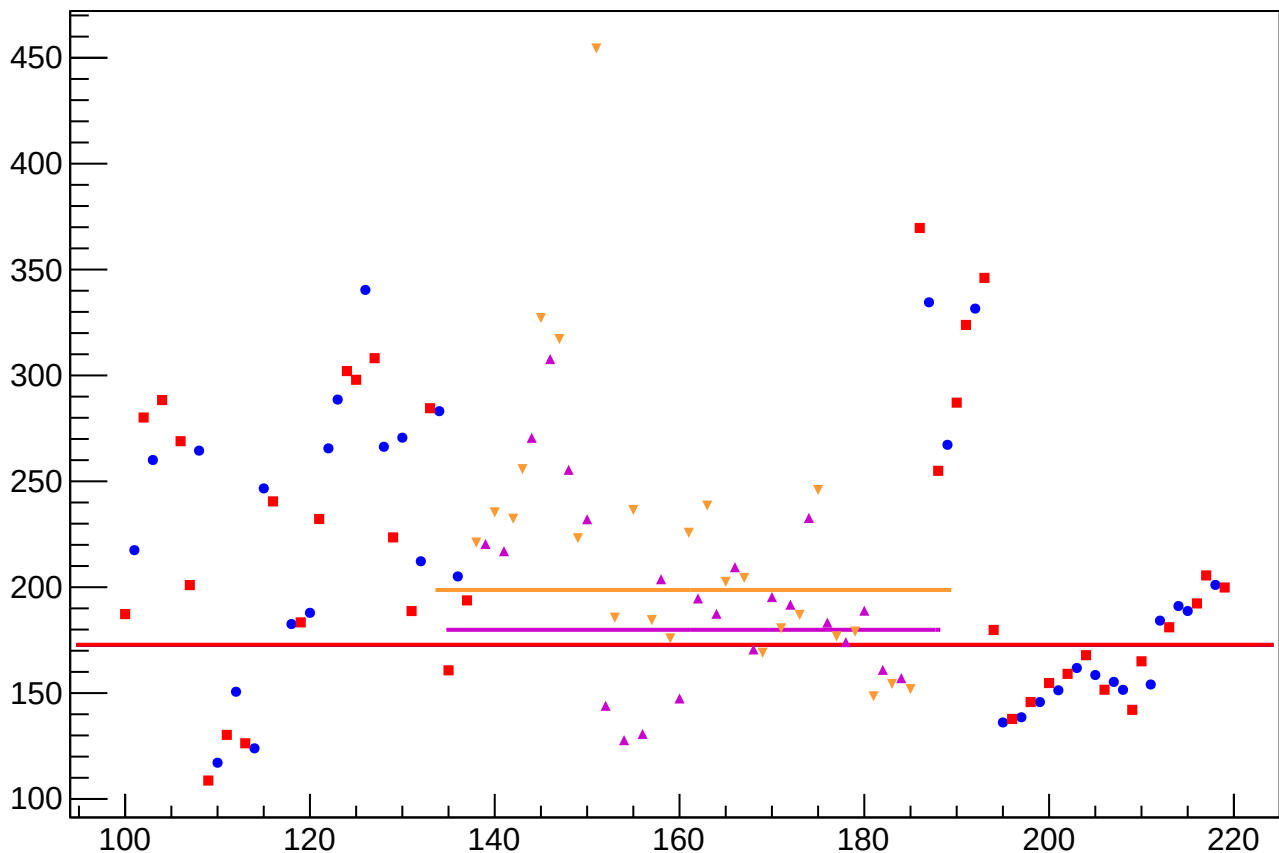
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign -29.137 ± 31.646 χ^2/NDF : 26.8/57

All: -1.110 ± 21.937 χ^2/NDF : 56.8/117

- sign 24.819 ± 30.438 χ^2/NDF : 28.5/59

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.720 $\pm$ 0.030 χ^2 /NDF: 2195423.9/32

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF: 1759311.9/24

Right Out: 172.810 $\pm$ 0.029 χ^2 /NDF: 2884644.5/36

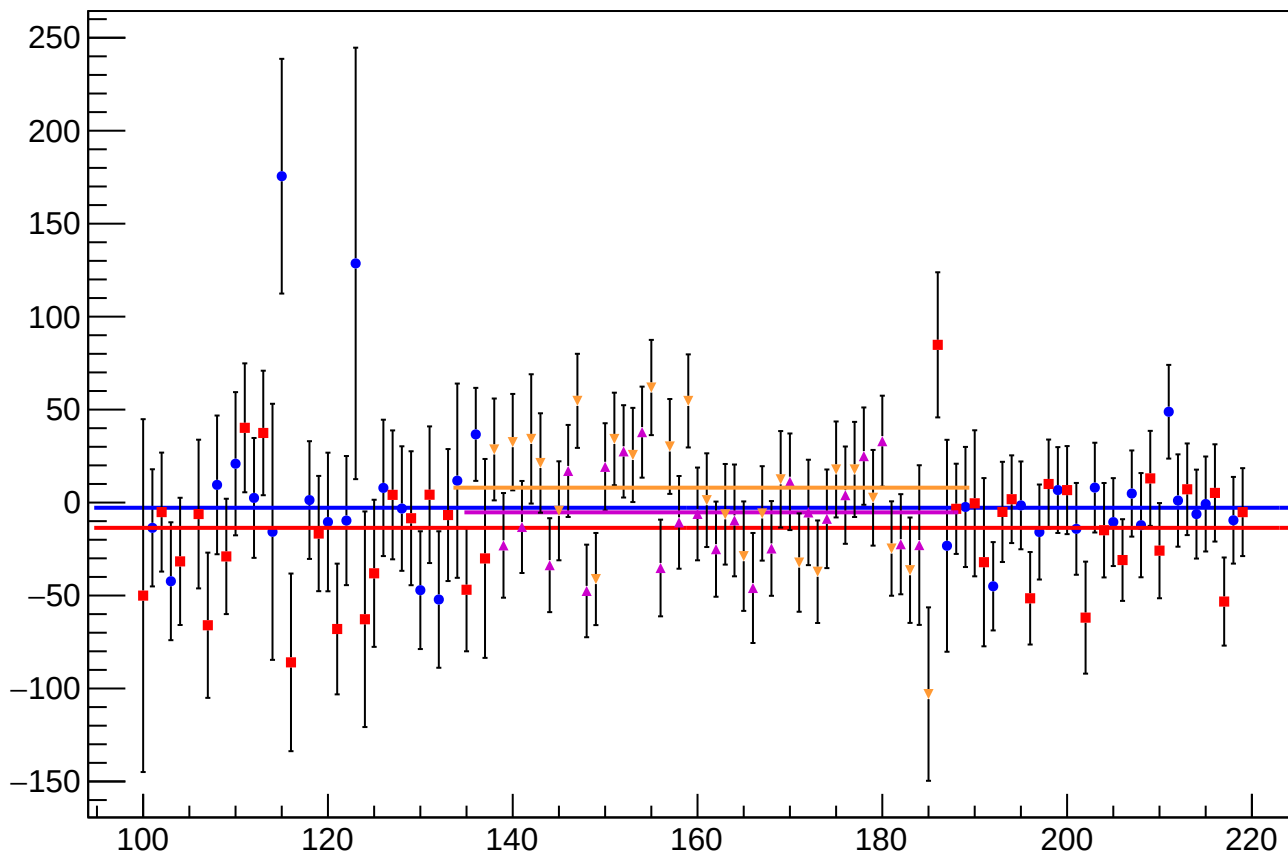
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF: 1580636.4/22

+ sign 184.000 $\pm$ 0.022 χ^2 /NDF: 4285777.5/57

All: 179.858 $\pm$ 0.016 χ^2 /NDF: 8843818.0/117

- sign 176.026 $\pm$ 0.022 χ^2 /NDF: 4492078.0/59

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.795 $\pm$ 5.156 χ^2/NDF : 26.8/32

Left Out: 8.004 $\pm$ 5.334 χ^2/NDF : 37.4/24

Right Out: -13.601 $\pm$ 5.007 χ^2/NDF : 34.8/36

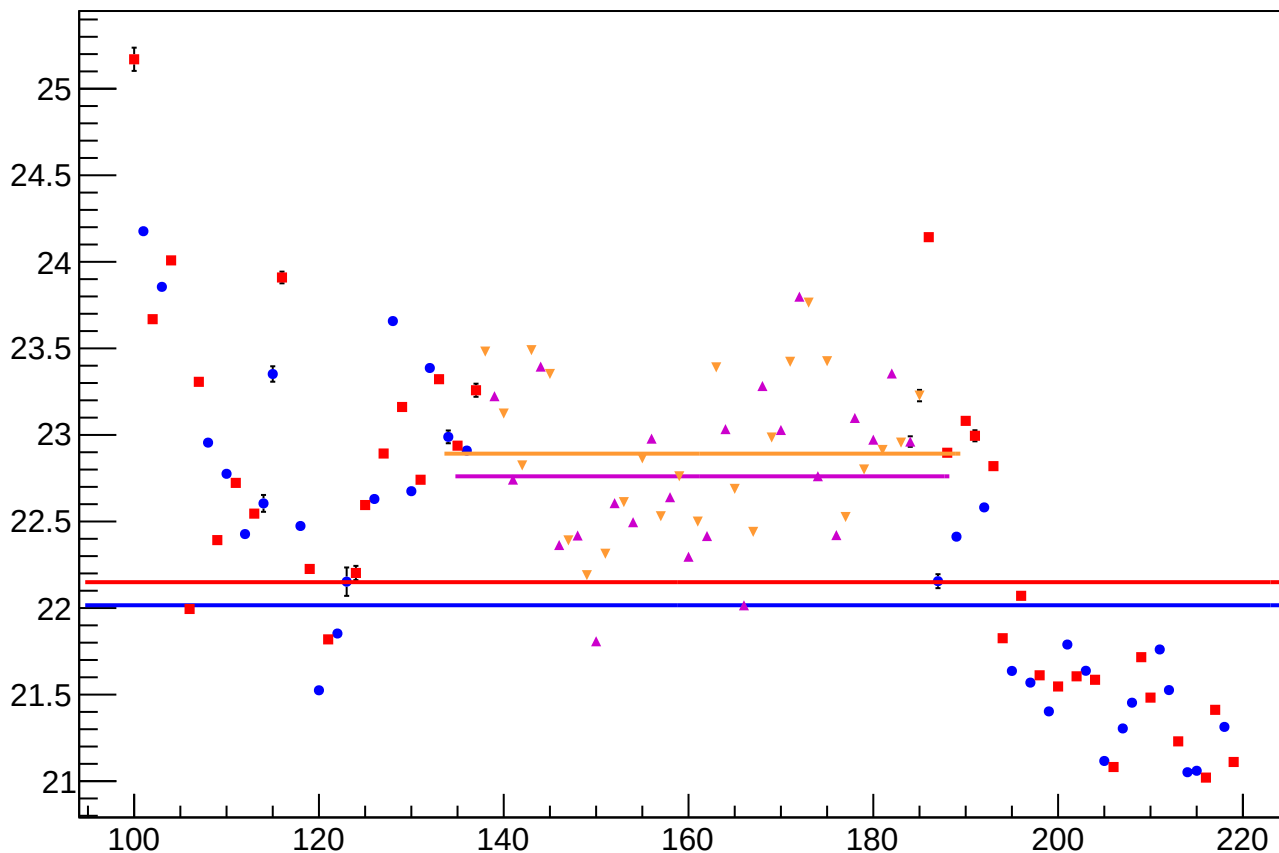
Left In: -5.261 $\pm$ 5.465 χ^2/NDF : 20.8/22

+ sign 2.421 $\pm$ 3.707 χ^2/NDF : 66.4/57

All: -3.712 $\pm$ 2.616 χ^2/NDF : 128.6/117

- sign -9.794 $\pm$ 3.692 χ^2/NDF : 56.8/59

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.016 $\pm$ 0.004 χ^2 /NDF: 51721.3/32

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF: 12995.5/24

Right Out: 22.149 $\pm$ 0.004 χ^2 /NDF: 59011.5/36

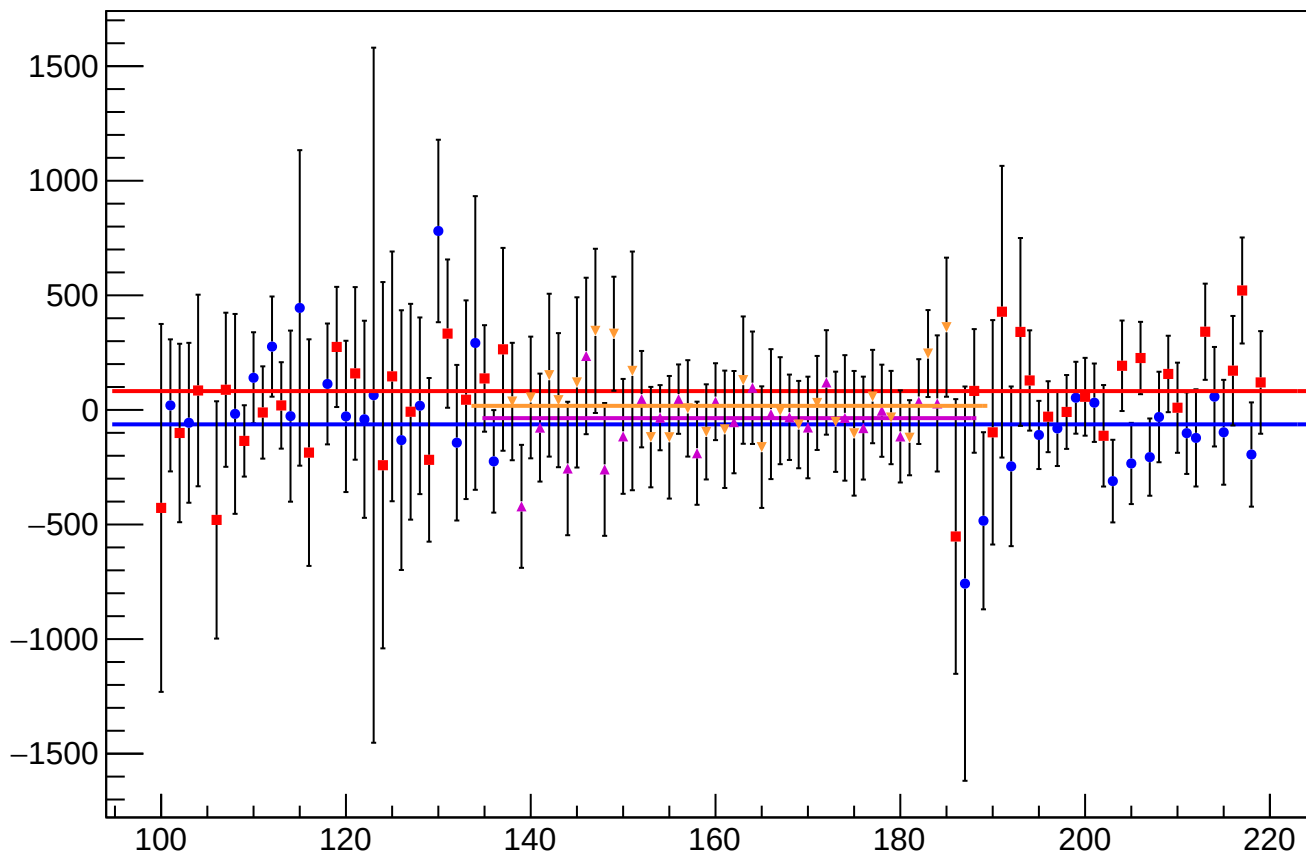
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF: 14550.0/22

+ sign 22.439 $\pm$ 0.003 χ^2 /NDF: 92589.0/57

All: 22.434 $\pm$ 0.002 χ^2 /NDF: 179770.0/117

- sign 22.429 $\pm$ 0.003 χ^2 /NDF: 87172.7/59

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -63.007 ± 41.955 $\chi^2/\text{NDF}: 17.4/32$

Left Out: 17.777 ± 47.941 $\chi^2/\text{NDF}: 8.5/24$

Right Out: 82.100 ± 41.039 $\chi^2/\text{NDF}: 17.1/36$

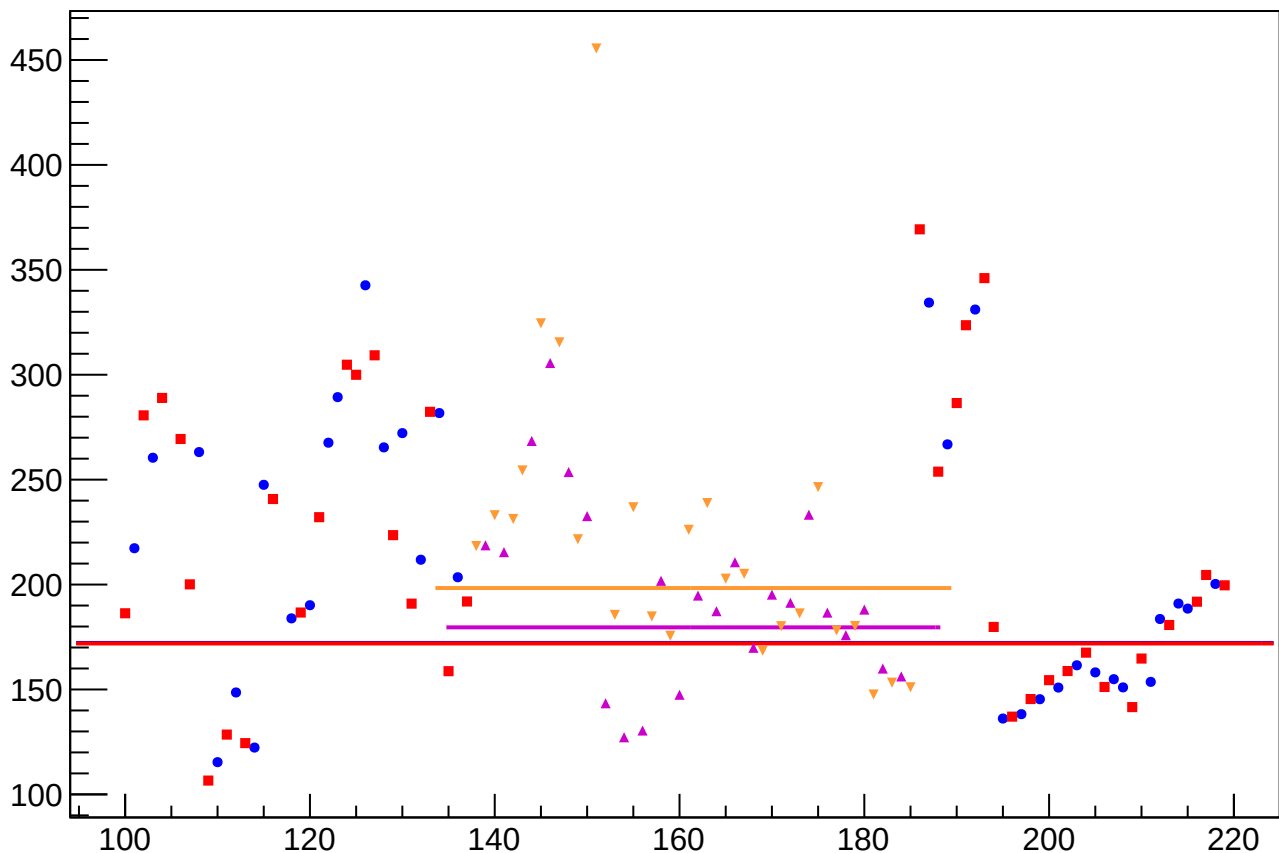
Left In: -35.879 ± 45.087 $\chi^2/\text{NDF}: 6.3/22$

+ sign -27.971 ± 31.572 $\chi^2/\text{NDF}: 27.6/57$

All: 1.454 ± 21.880 $\chi^2/\text{NDF}: 56.4/117$

- sign 28.644 ± 30.349 $\chi^2/\text{NDF}: 27.2/59$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.166+/-0.030 χ^2/NDF : 2226350.7/32

Left Out: 198.344+/-0.034 χ^2/NDF : 1757450.6/24

Right Out: 171.926+/-0.029 χ^2/NDF : 2955175.1/36

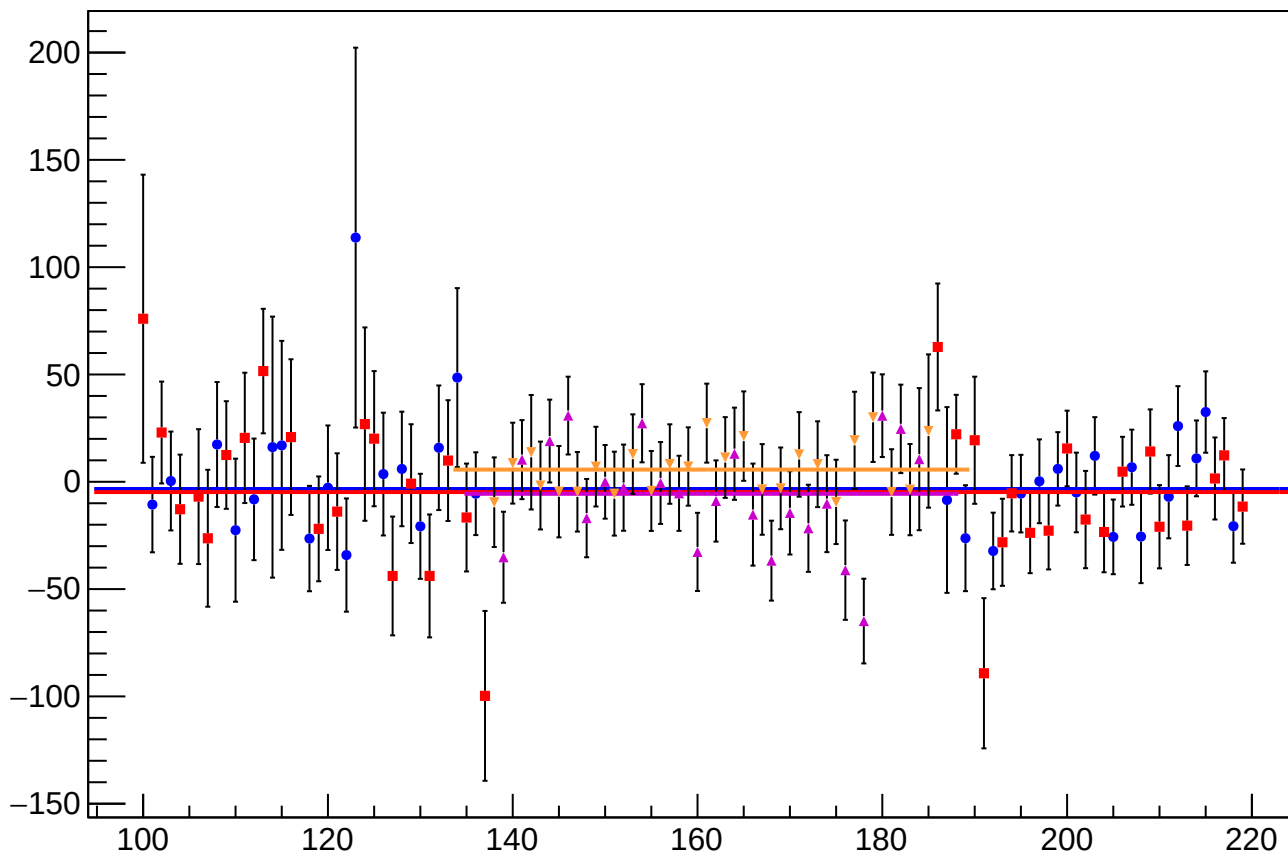
Left In: 179.605+/-0.032 χ^2/NDF : 1575744.0/22

+ sign 183.519+/-0.022 χ^2/NDF : 4321487.4/57

All: 179.302+/-0.015 χ^2/NDF : 8952789.0/117

- sign 175.405+/-0.021 χ^2/NDF : 4562646.1/59

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.366 ± 3.918 χ^2/NDF : 23.4/32

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: -4.783 ± 3.807 χ^2/NDF : 44.4/36

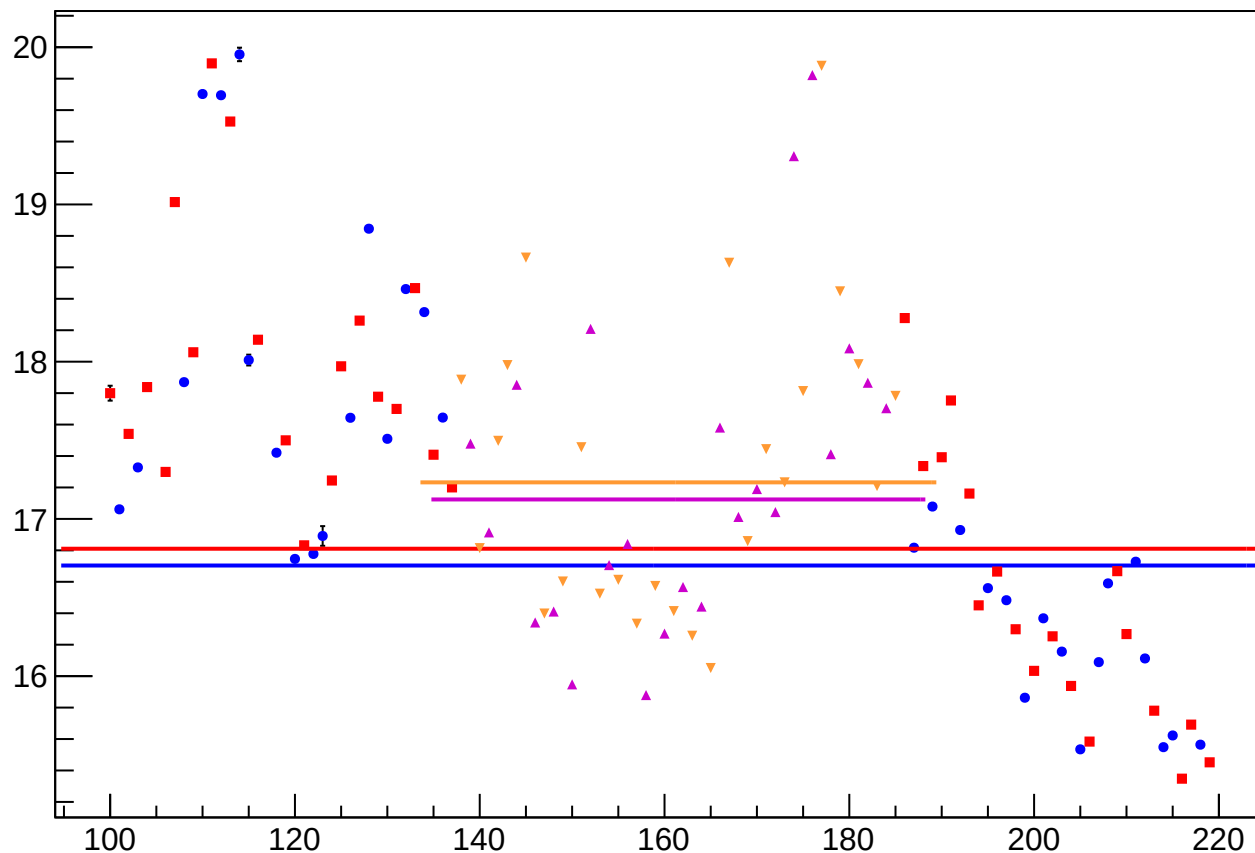
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 1.037 ± 2.807 χ^2/NDF : 33.7/57

All: -2.071 ± 1.981 χ^2/NDF : 117.0/117

- sign -5.157 ± 2.797 χ^2/NDF : 80.8/59

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.704 $\pm$ 0.003 χ^2 /NDF: 130986.2/32

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF: 98701.0/24

Right Out: 16.810 $\pm$ 0.003 χ^2 /NDF: 157207.6/36

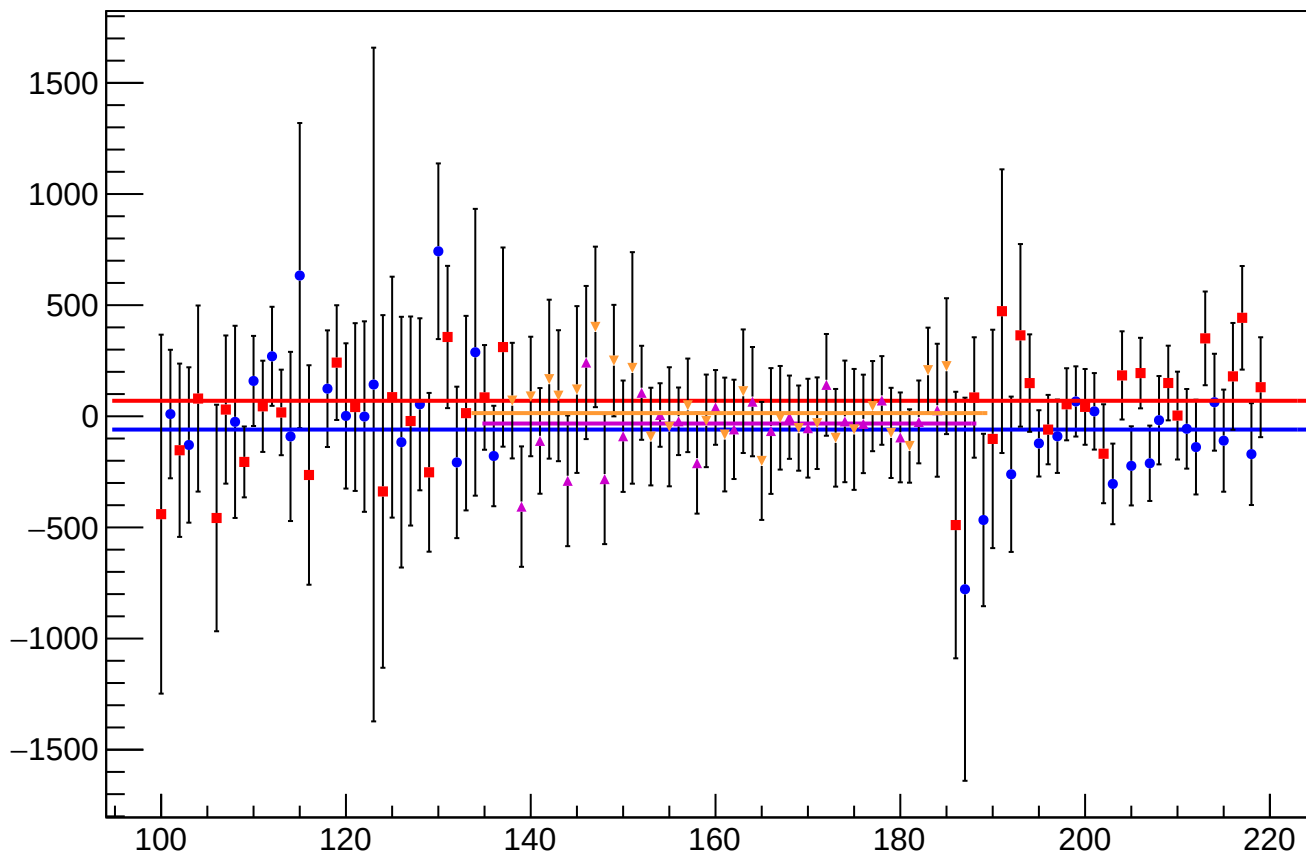
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 16.961 $\pm$ 0.002 χ^2 /NDF: 247428.5/57

All: 16.958 $\pm$ 0.001 χ^2 /NDF: 511628.1/117

- sign 16.955 $\pm$ 0.002 χ^2 /NDF: 264194.5/59

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -59.695 ± 42.199 χ^2/NDF : 17.5/32

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 69.798 ± 41.318 χ^2/NDF : 17.8/36

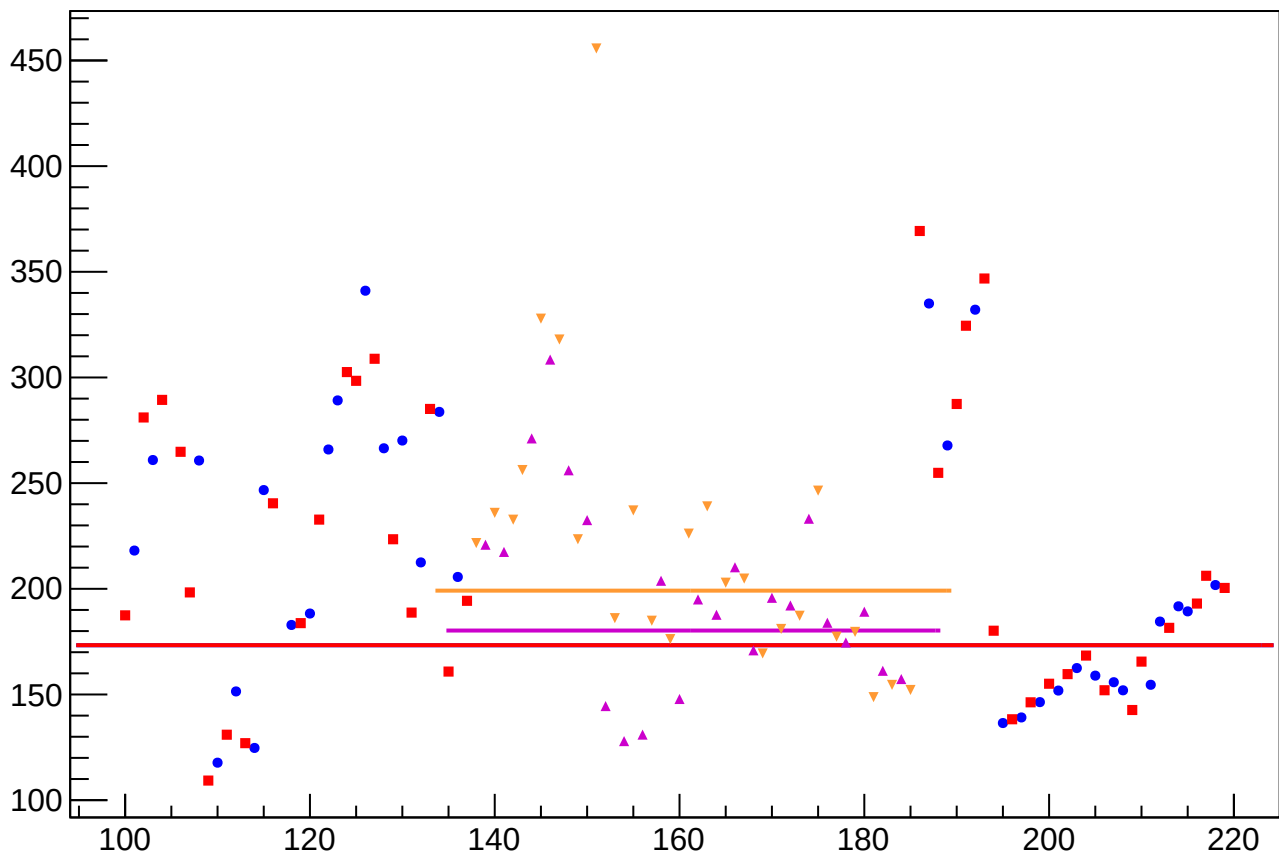
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign -27.508 ± 31.730 χ^2/NDF : 25.7/57

All: -1.135 ± 21.993 χ^2/NDF : 54.4/117

- sign 23.252 ± 30.511 χ^2/NDF : 27.3/59

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 173.283+/-0.030 χ^2/NDF : 2177174.4/32

Left Out: 199.136+/-0.034 χ^2/NDF :1760298.1/24

Right Out: 173.331+/-0.029 χ^2/NDF : 2859971.7/36

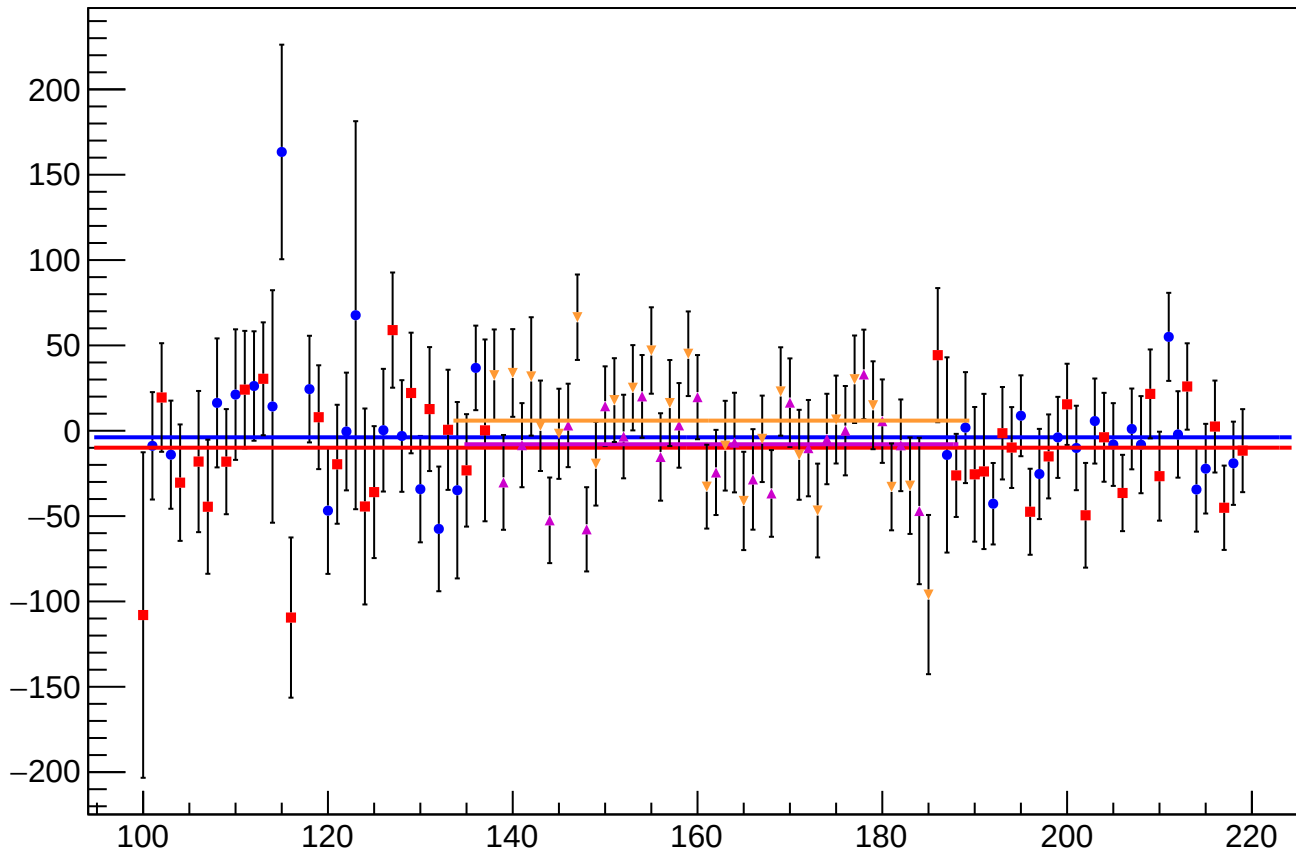
Left In: 180.256+/-0.032 χ^2/NDF :1580553.5/22

+ sign 184.519+/-0.022 χ^2/NDF : 4263738.5/57

All: 180.342+/-0.016 χ^2/NDF : 8796516.0/117

- sign 176.480+/-0.022 χ^2/NDF : 4466073.4/59

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.834 ± 5.213 $\chi^2/\text{NDF}: 29.2/32$

Left Out: 5.937 ± 5.285 $\chi^2/\text{NDF}: 36.1/24$

Right Out: -9.921 ± 5.050 $\chi^2/\text{NDF}: 32.4/36$

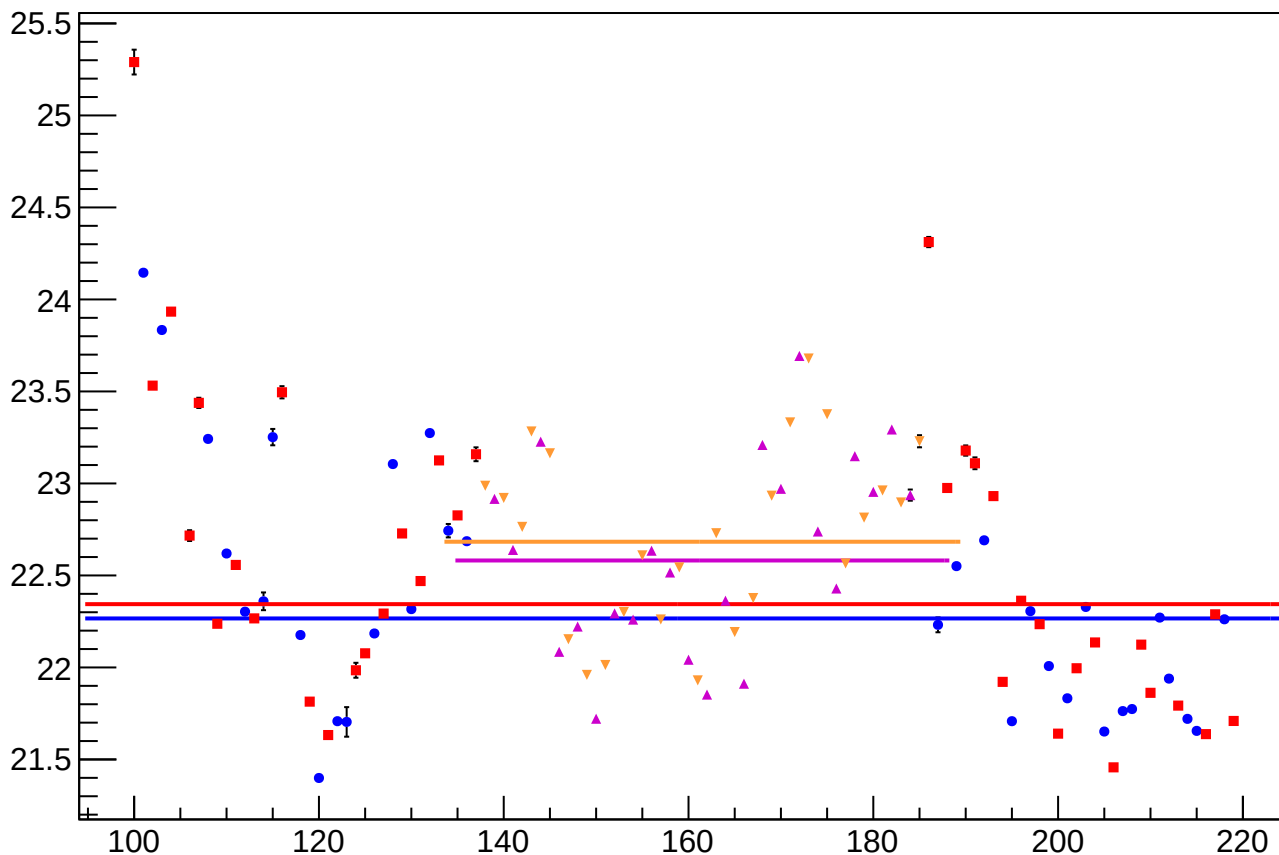
Left In: -7.915 ± 5.422 $\chi^2/\text{NDF}: 18.7/22$

+ sign 0.985 ± 3.712 $\chi^2/\text{NDF}: 67.1/57$

All: -4.024 ± 2.619 $\chi^2/\text{NDF}: 121.8/117$

- sign -8.989 ± 3.695 $\chi^2/\text{NDF}: 51.1/59$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.266 $\pm$ 0.004 χ^2 /NDF: 27265.4/32

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16320.2/24

Right Out: 22.344 $\pm$ 0.004 χ^2 /NDF: 35078.7/36

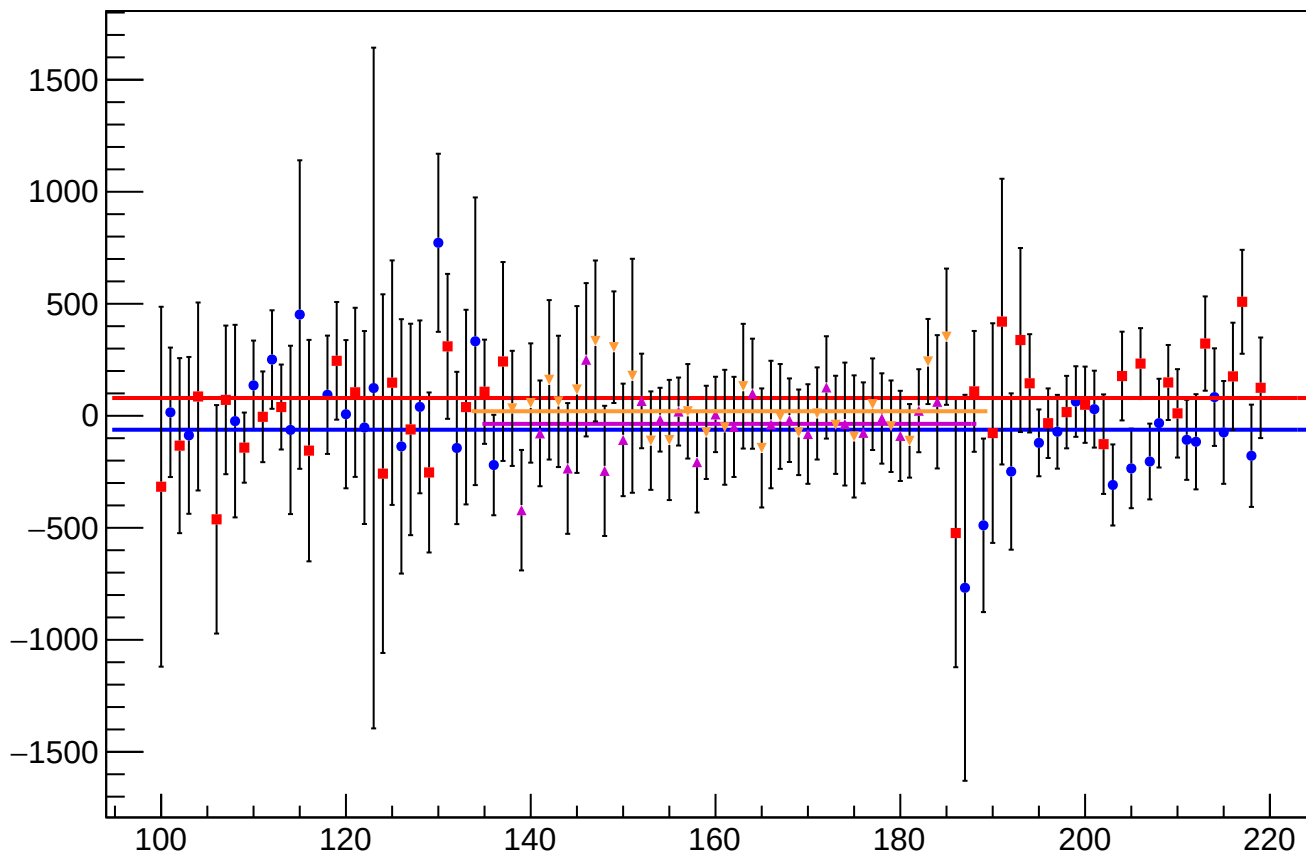
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.472 $\pm$ 0.003 χ^2 /NDF: 49893.4/57

All: 22.463 $\pm$ 0.002 χ^2 /NDF: 104951.0/117

- sign 22.454 $\pm$ 0.003 χ^2 /NDF: 55034.9/59

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -62.144 $\pm$ 42.081 χ^2 /NDF: 17.1/32

Left Out: 20.306 $\pm$ 48.049 χ^2 /NDF: 7.7/24

Right Out: 79.458 $\pm$ 41.150 χ^2 /NDF: 16.2/36

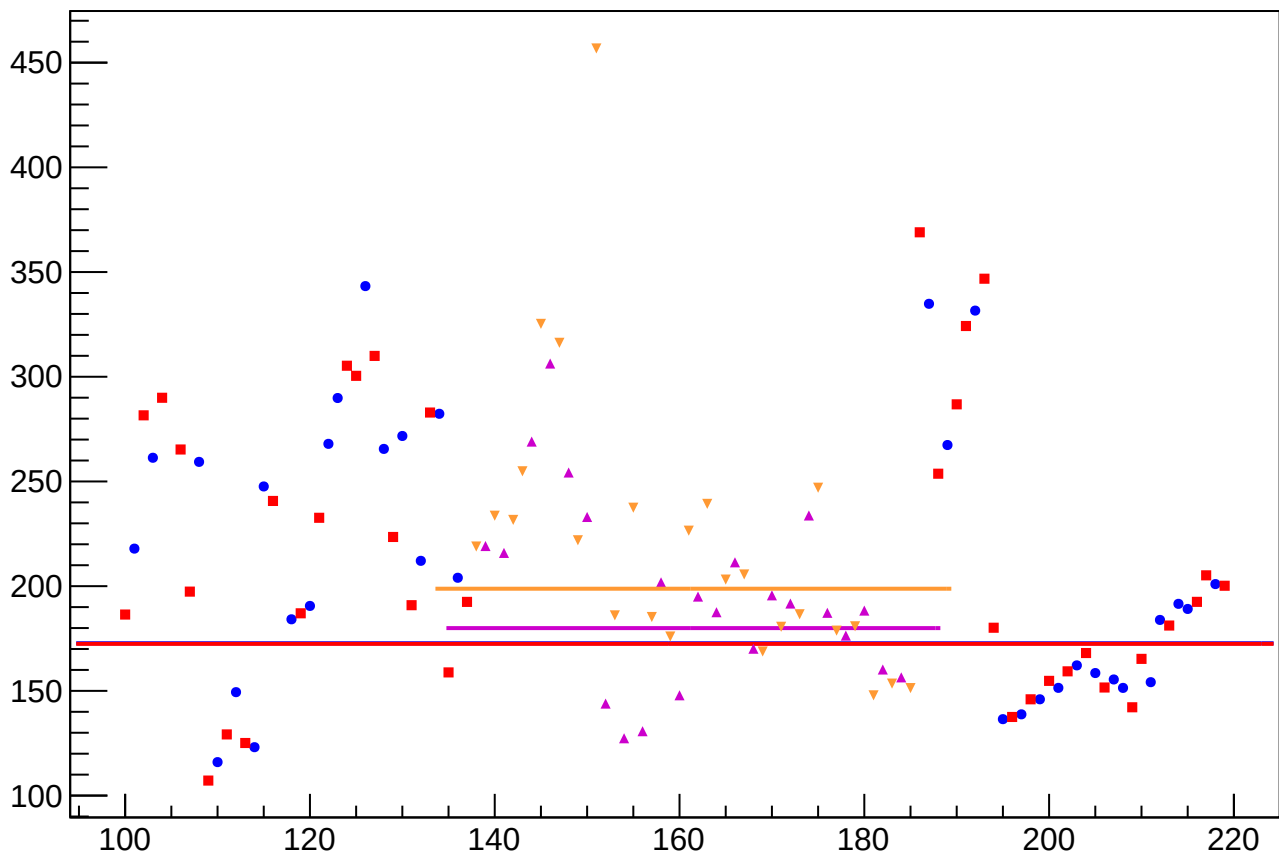
Left In: -35.996 $\pm$ 45.180 χ^2 /NDF: 6.1/22

+ sign -26.354 $\pm$ 31.657 χ^2 /NDF: 26.5/57

All: 1.440 $\pm$ 21.935 χ^2 /NDF: 53.8/117

- sign 27.109 $\pm$ 30.423 χ^2 /NDF: 25.9/59

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 172.734 $\pm$ 0.030 χ^2 /NDF: 2207499.6/32

Left Out: 198.784 $\pm$ 0.034 χ^2 /NDF: 1758481.8/24

Right Out: 172.453 $\pm$ 0.029 χ^2 /NDF: 2929551.6/36

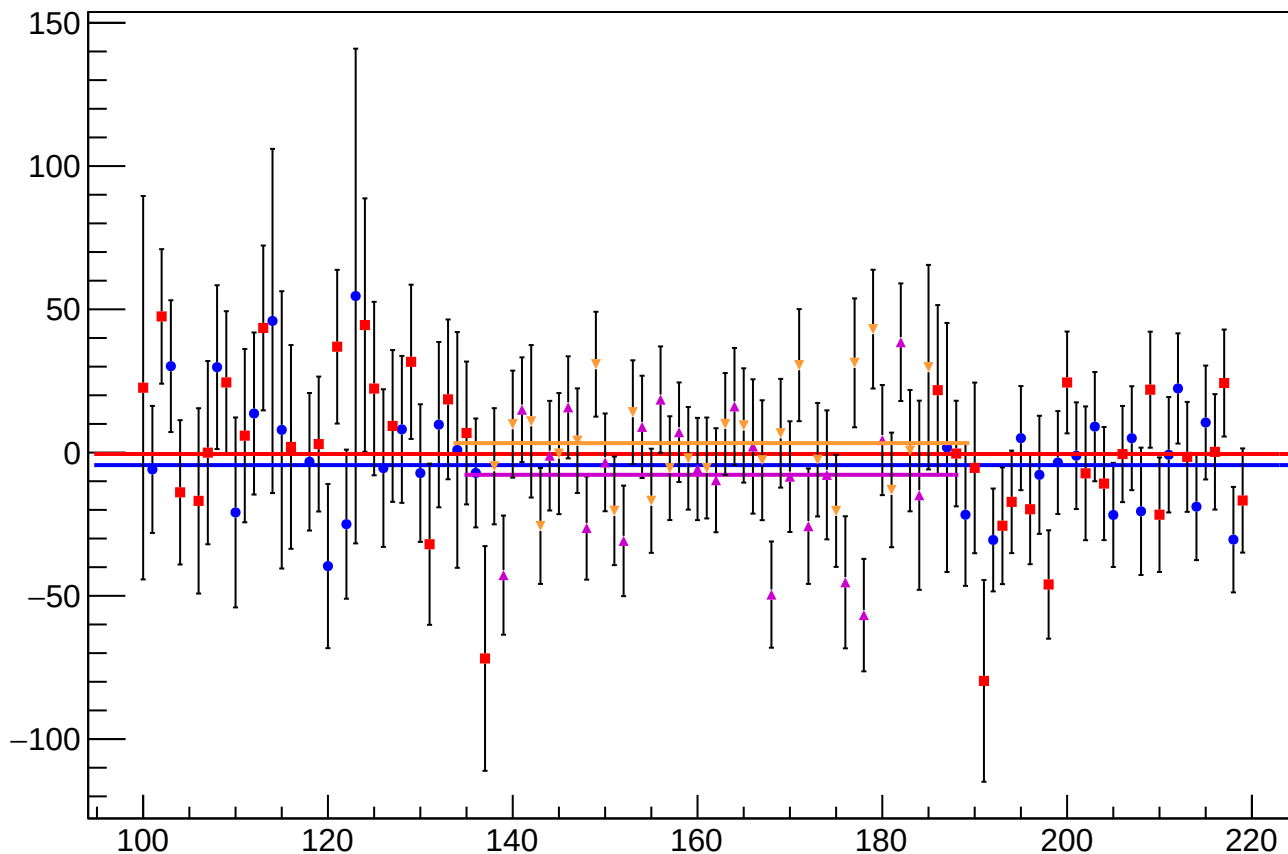
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF: 1575888.3/22

+ sign 184.042 $\pm$ 0.022 χ^2 /NDF: 4298684.9/57

All: 179.789 $\pm$ 0.016 χ^2 /NDF: 8903820.8/117

- sign 175.862 $\pm$ 0.022 χ^2 /NDF: 4535722.5/59

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.374 ± 3.994 $\chi^2/\text{NDF}: 18.5/32$

Left Out: 3.307 ± 3.954 $\chi^2/\text{NDF}: 18.7/24$

Right Out: -0.489 ± 3.868 $\chi^2/\text{NDF}: 40.6/36$

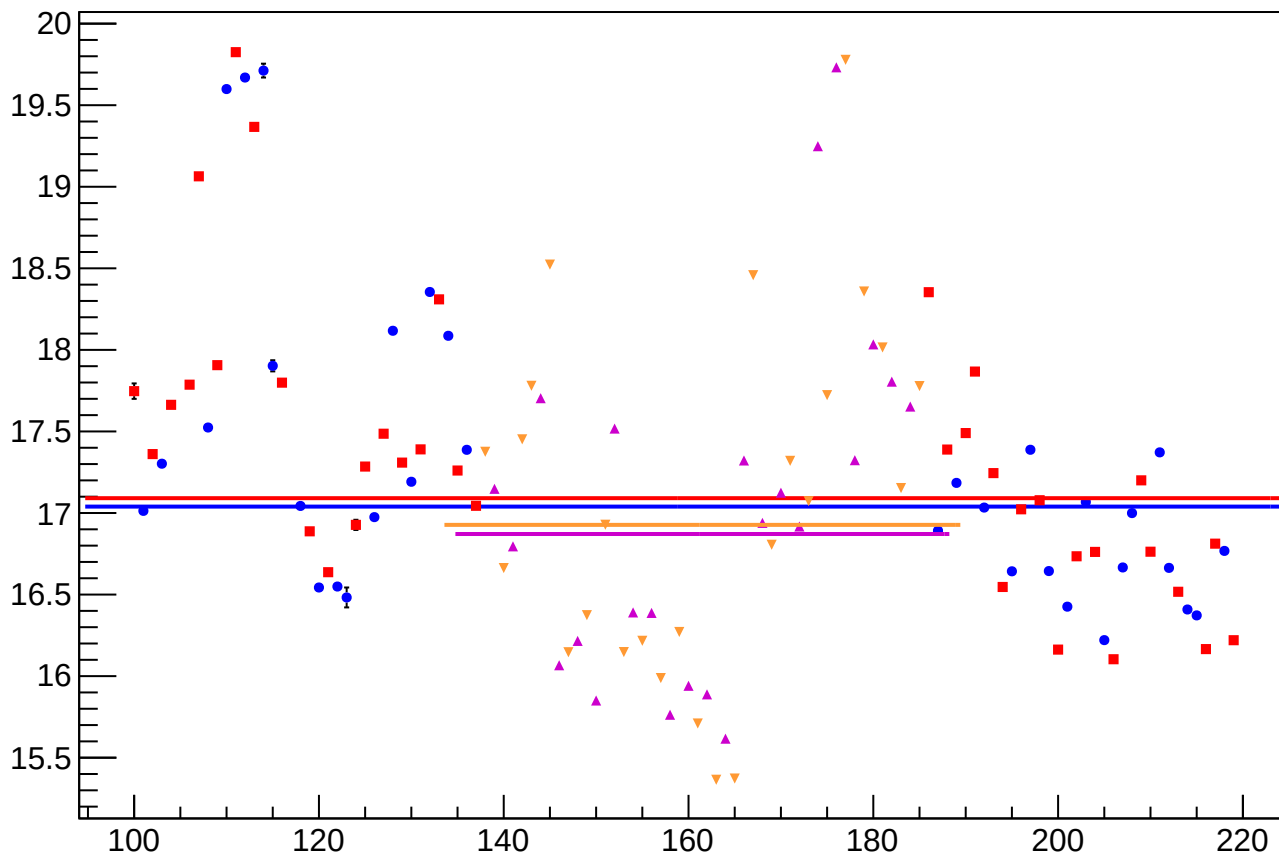
Left In: -7.756 ± 4.061 $\chi^2/\text{NDF}: 34.3/22$

+ sign -0.495 ± 2.810 $\chi^2/\text{NDF}: 39.1/57$

All: -2.226 ± 1.984 $\chi^2/\text{NDF}: 116.4/117$

- sign -3.946 ± 2.801 $\chi^2/\text{NDF}: 76.5/59$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.039 $\pm$ 0.003 χ^2 /NDF: 61751.1/32

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.091 $\pm$ 0.003 χ^2 /NDF: 79880.5/36

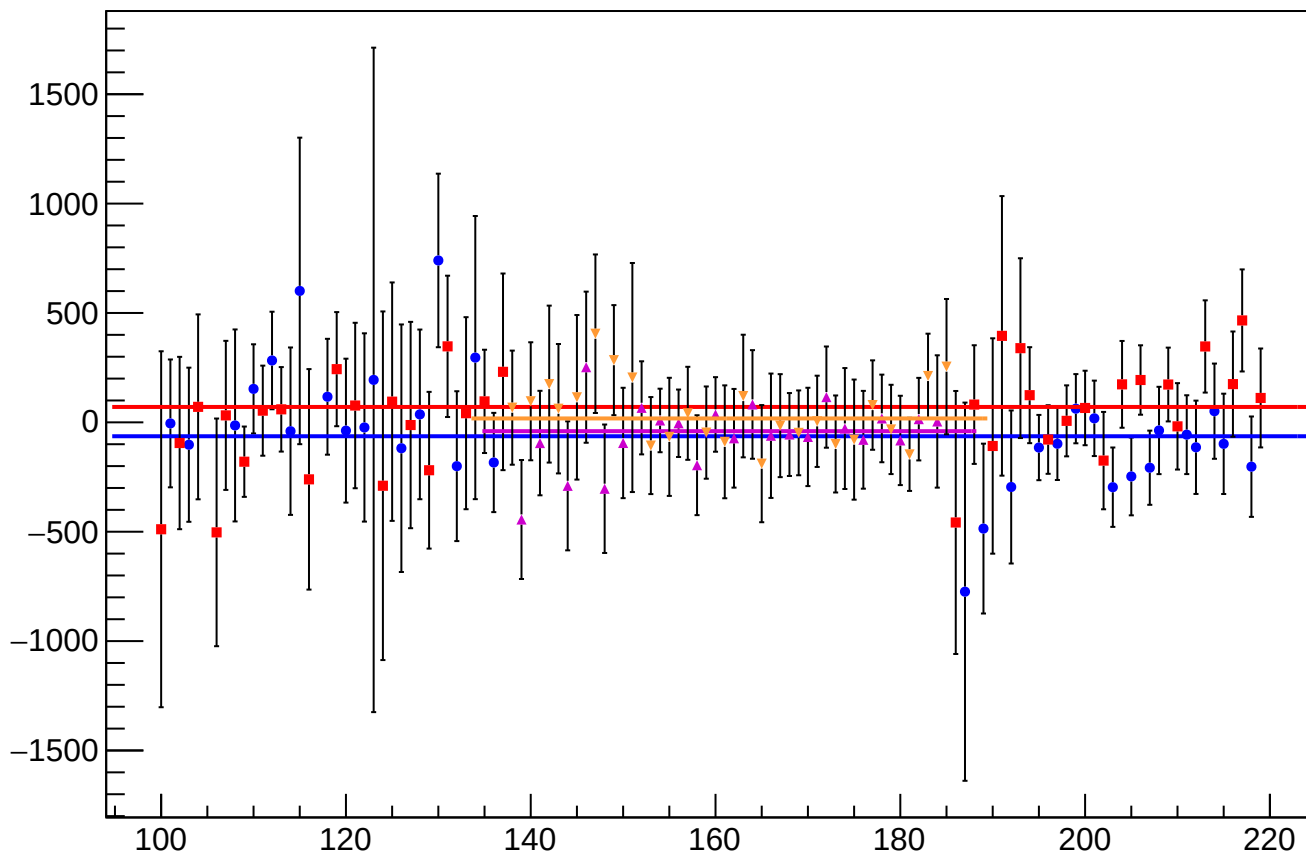
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 16.983 $\pm$ 0.002 χ^2 /NDF: 201079.2/57

All: 16.985 $\pm$ 0.001 χ^2 /NDF: 402022.7/117

- sign 16.986 $\pm$ 0.002 χ^2 /NDF: 200941.8/59

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -63.572 ± 42.307 χ^2/NDF : 17.4/32

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 70.383 ± 41.447 χ^2/NDF : 17.1/36

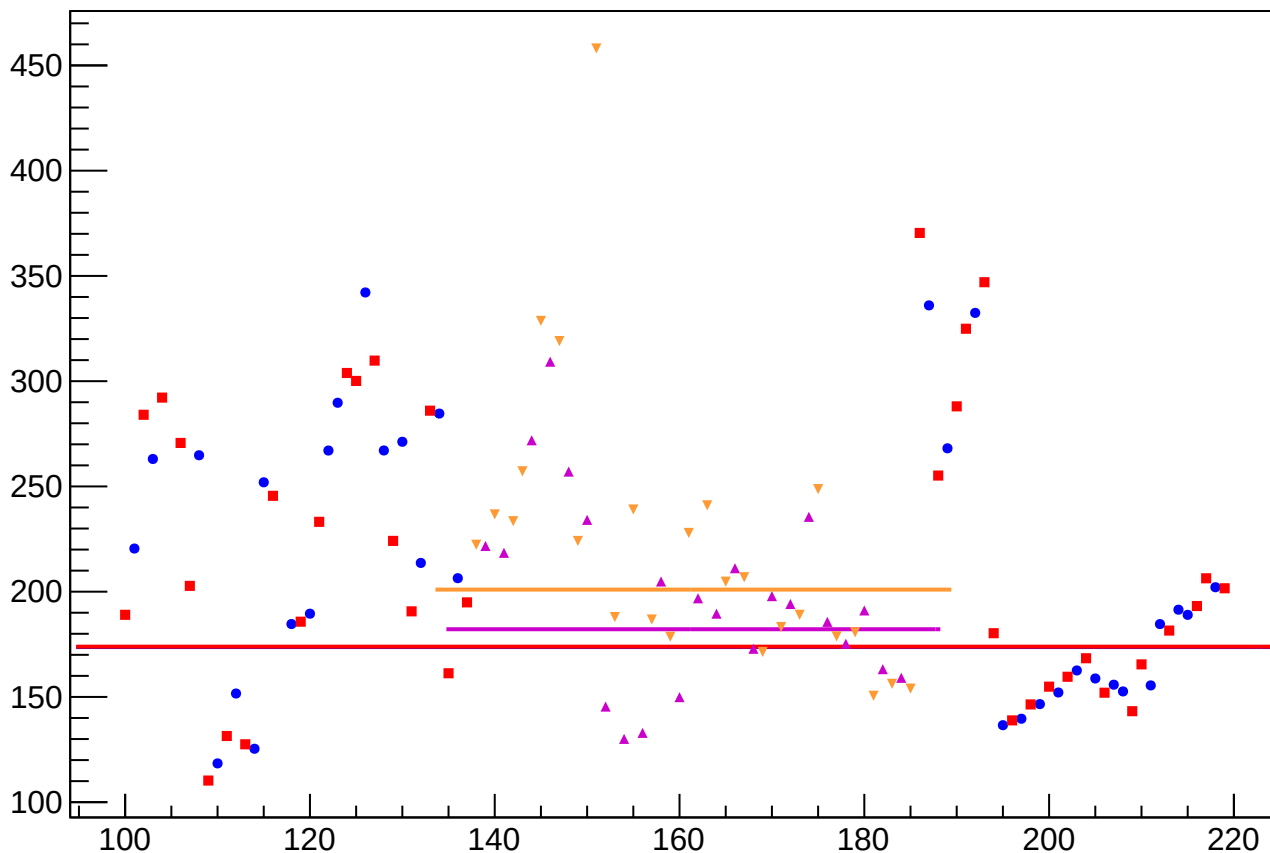
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign -28.437 ± 31.895 χ^2/NDF : 26.5/57

All: -3.089 ± 22.118 χ^2/NDF : 54.7/117

- sign 20.392 ± 30.698 χ^2/NDF : 27.0/59

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 173.708 $\pm$ 0.030 χ^2 /NDF: 2188909.3/32

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF: 1727291.4/24

Right Out: 173.875 $\pm$ 0.029 χ^2 /NDF: 2869762.0/36

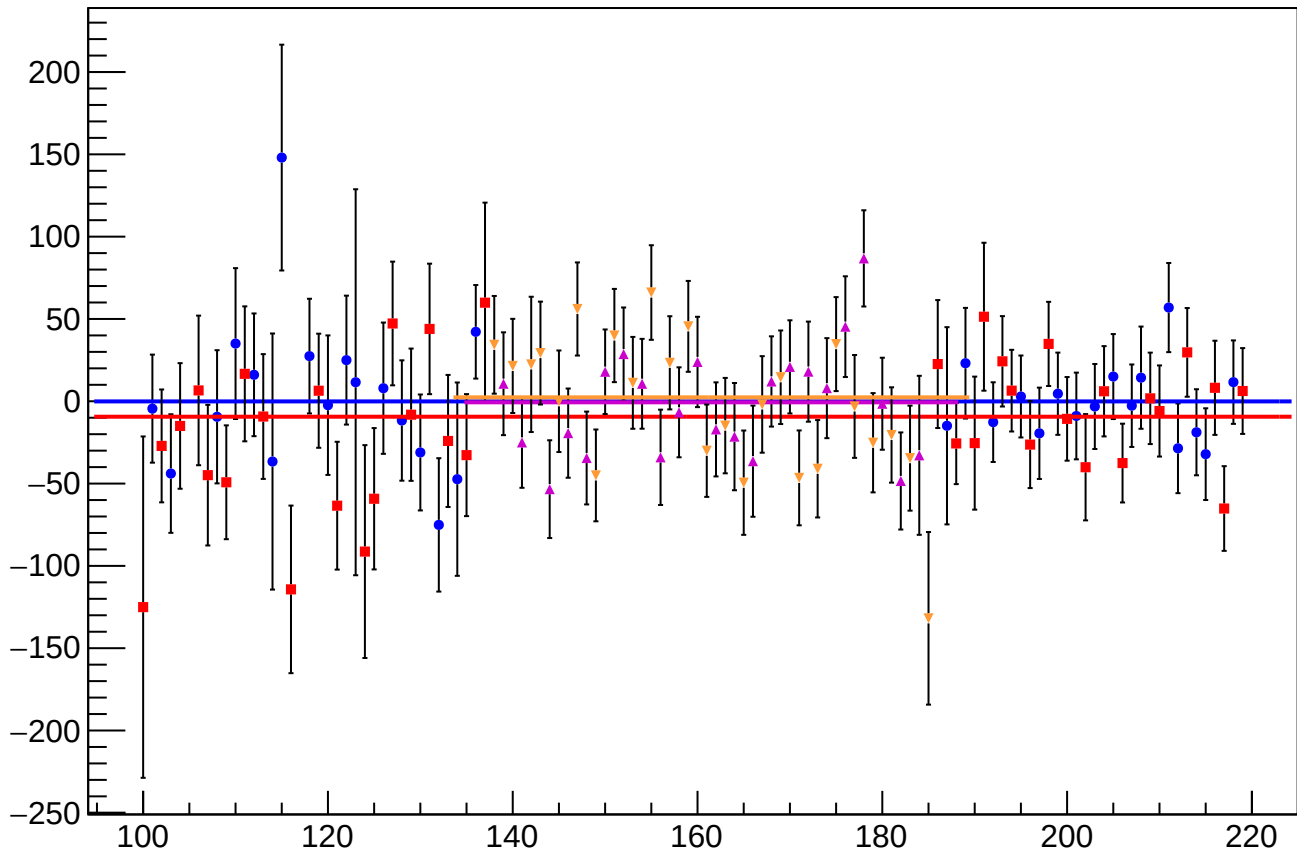
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF: 1535922.8/22

+ sign 185.482 $\pm$ 0.023 χ^2 /NDF: 4275068.4/57

All: 181.398 $\pm$ 0.016 χ^2 /NDF: 8779975.8/117

- sign 177.615 $\pm$ 0.022 χ^2 /NDF: 4441741.2/59

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.081 ± 5.608 χ^2/NDF : 25.1/32

Left Out: 2.390 ± 5.980 χ^2/NDF : 39.1/24

Right Out: -9.382 ± 5.413 χ^2/NDF : 38.1/36

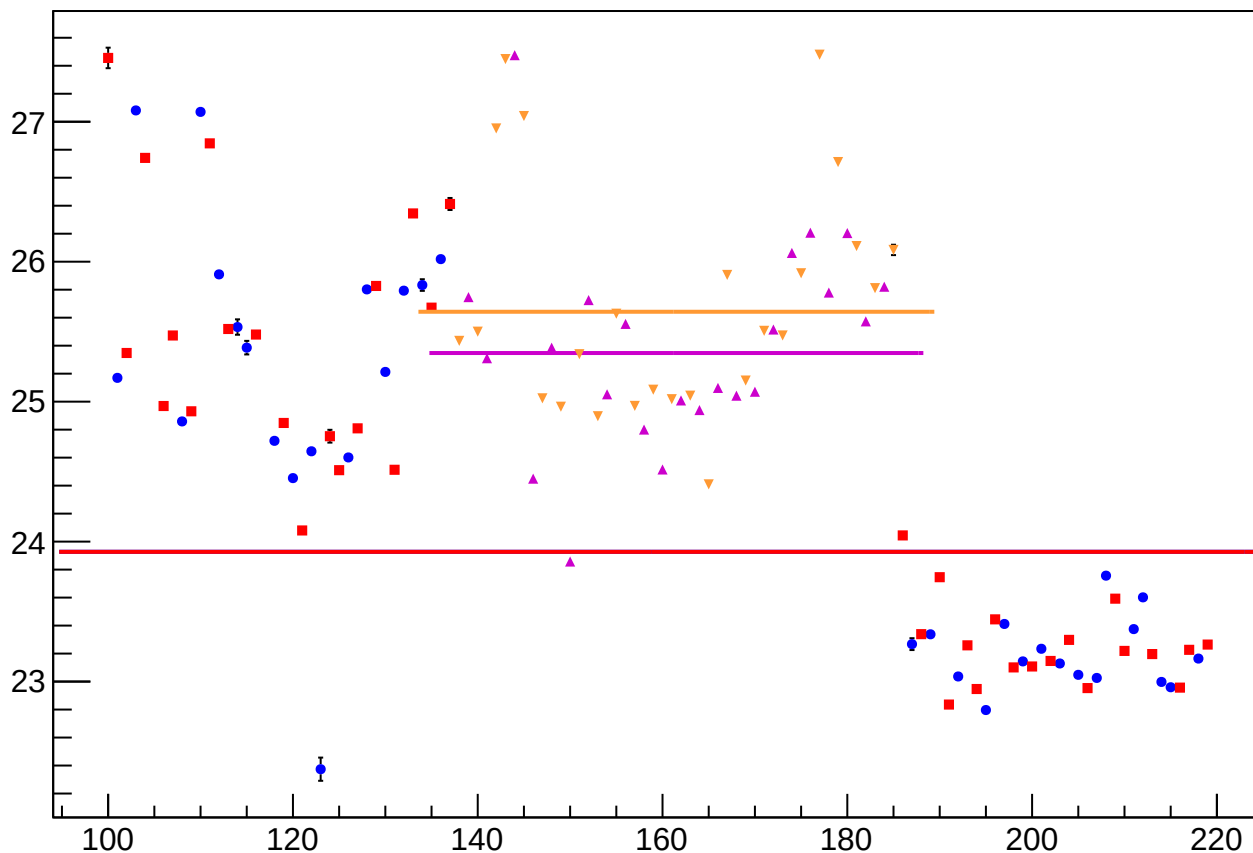
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 1.075 ± 4.091 χ^2/NDF : 64.3/57

All: -2.261 ± 2.877 χ^2/NDF : 132.1/117

- sign -5.525 ± 4.046 χ^2/NDF : 66.5/59

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 23.927 $\pm$ 0.004 χ^2 /NDF: 90616.8/32

Left Out: 25.642 $\pm$ 0.004 χ^2 /NDF: 34802.2/24

Right Out: 23.927 $\pm$ 0.004 χ^2 /NDF: 85905.9/36

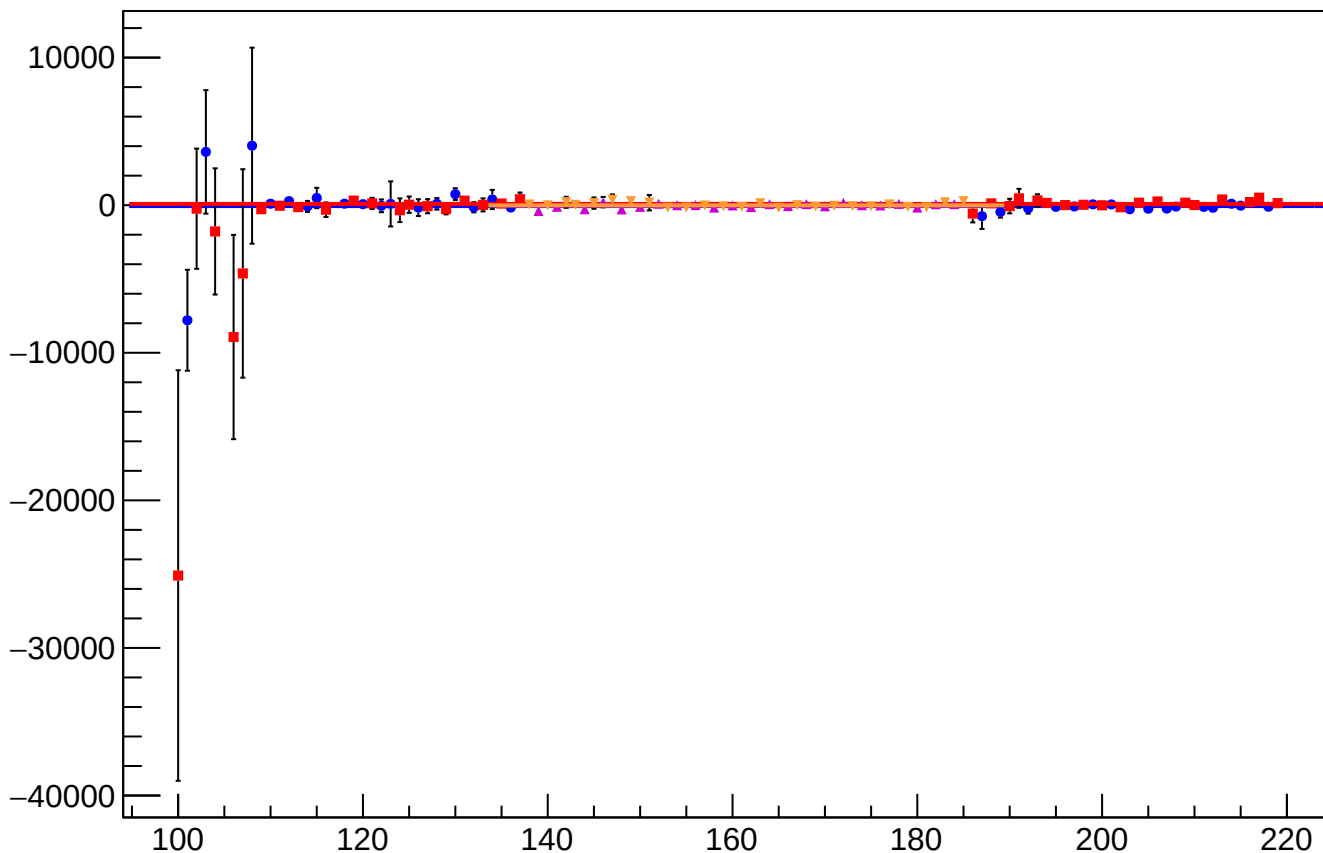
Left In: 25.347 $\pm$ 0.004 χ^2 /NDF: 29389.5/22

+ sign 24.730 $\pm$ 0.003 χ^2 /NDF: 212927.5/57

All: 24.641 $\pm$ 0.002 χ^2 /NDF: 390870.9/117

- sign 24.554 $\pm$ 0.003 χ^2 /NDF: 176067.3/59

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -59.613 $\pm$ 44.093 χ^2 /NDF: 22.3/32

Left Out: -11.432 $\pm$ 48.263 χ^2 /NDF: 8.0/24

Right Out: 85.352 $\pm$ 43.780 χ^2 /NDF: 24.5/36

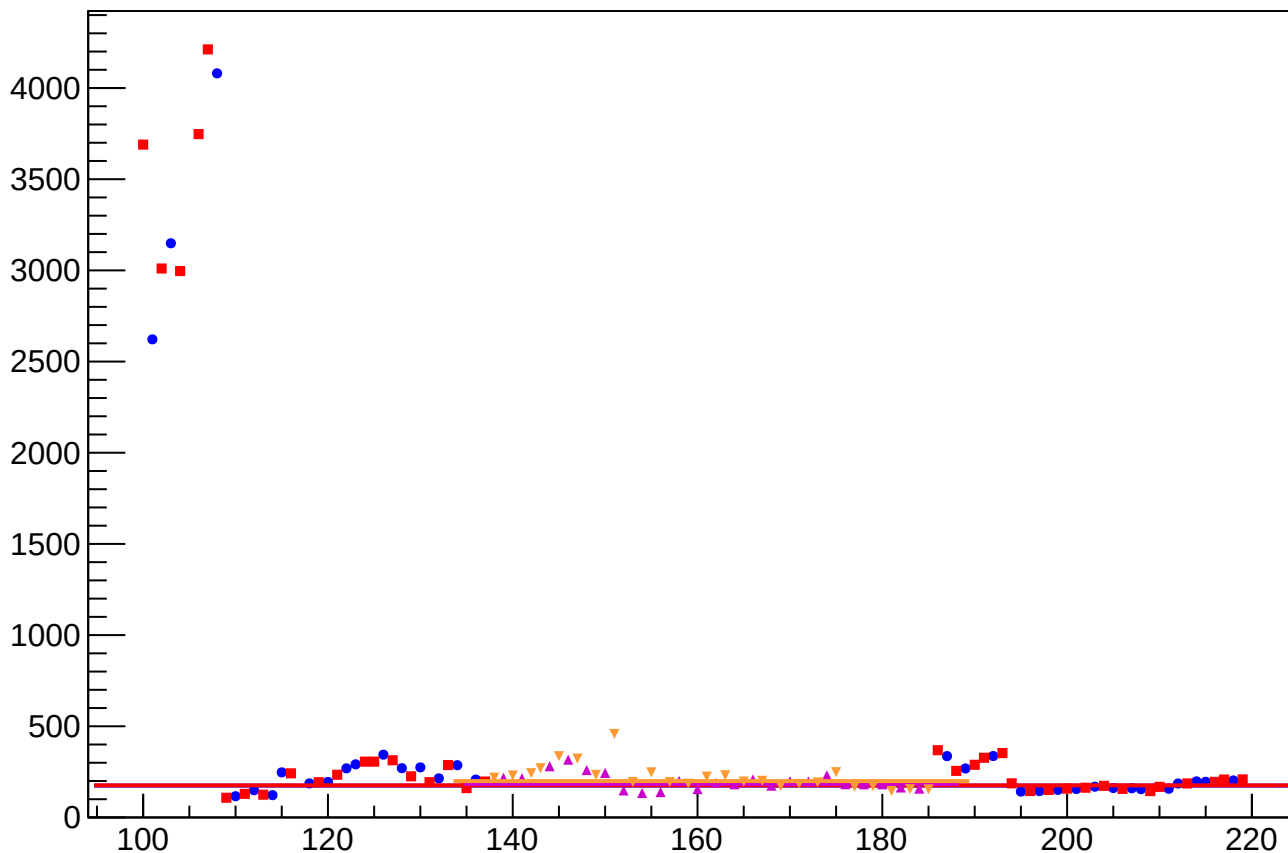
Left In: -27.098 $\pm$ 45.999 χ^2 /NDF: 7.2/22

+ sign -37.693 $\pm$ 32.553 χ^2 /NDF: 30.9/57

All: -1.984 $\pm$ 22.715 χ^2 /NDF: 68.0/117

- sign 31.904 $\pm$ 31.712 χ^2 /NDF: 34.8/59

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.678 $\pm$ 0.031 χ^2 /NDF: 4600755.8/32

Left Out: 199.438 $\pm$ 0.034 χ^2 /NDF: 1877848.7/24

Right Out: 175.933 $\pm$ 0.031 χ^2 /NDF: 5500992.1/36

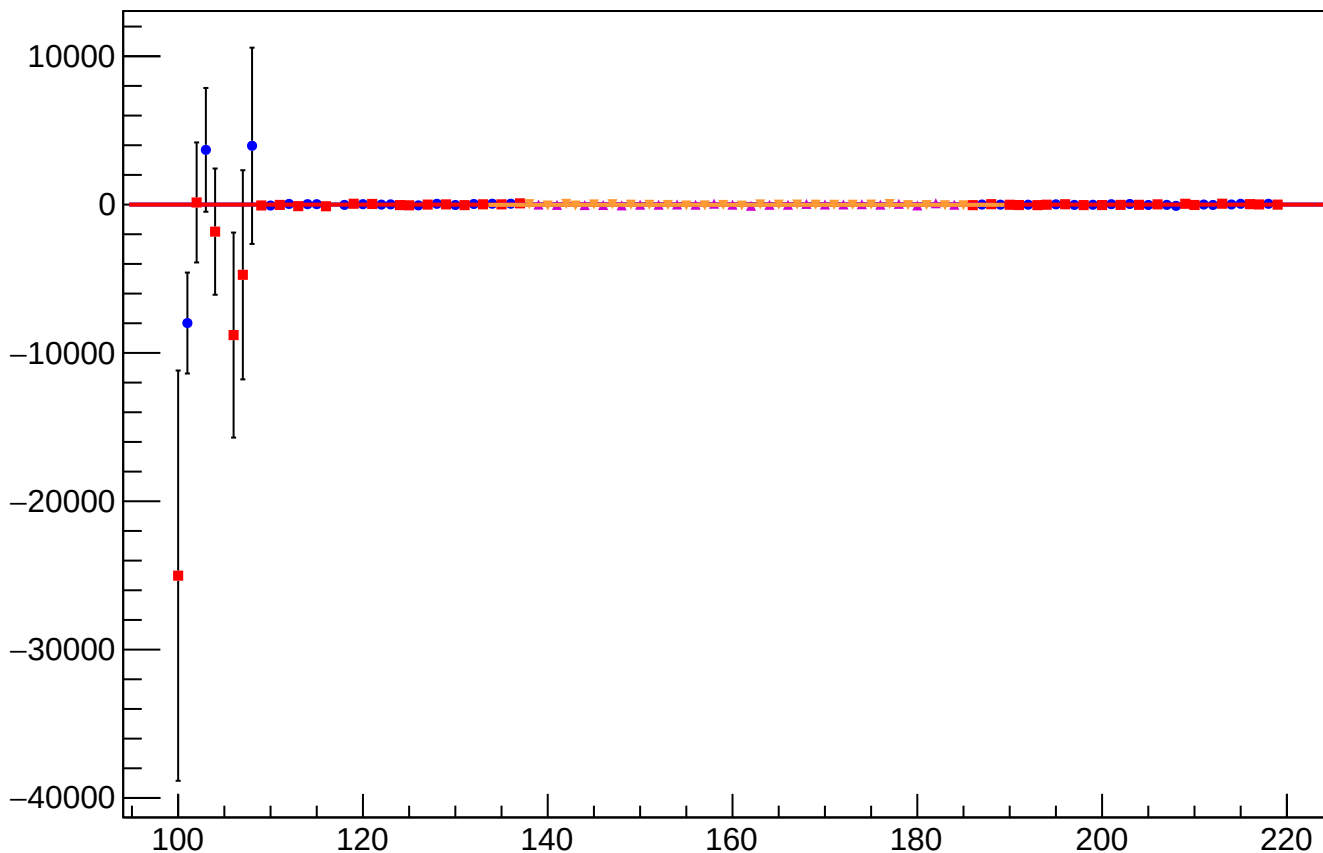
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF: 1412869.6/22

+ sign 185.943 $\pm$ 0.023 χ^2 /NDF: 6765507.5/57

All: 182.727 $\pm$ 0.016 χ^2 /NDF: 13748145.9/137

- sign 179.675 $\pm$ 0.022 χ^2 /NDF: 6944595.0/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.561 $\pm$ 6.715 χ^2 /NDF: 35.3/32

Left Out: -18.118 $\pm$ 6.704 χ^2 /NDF: 21.7/24

Right Out: -3.403 $\pm$ 6.590 χ^2 /NDF: 39.3/36

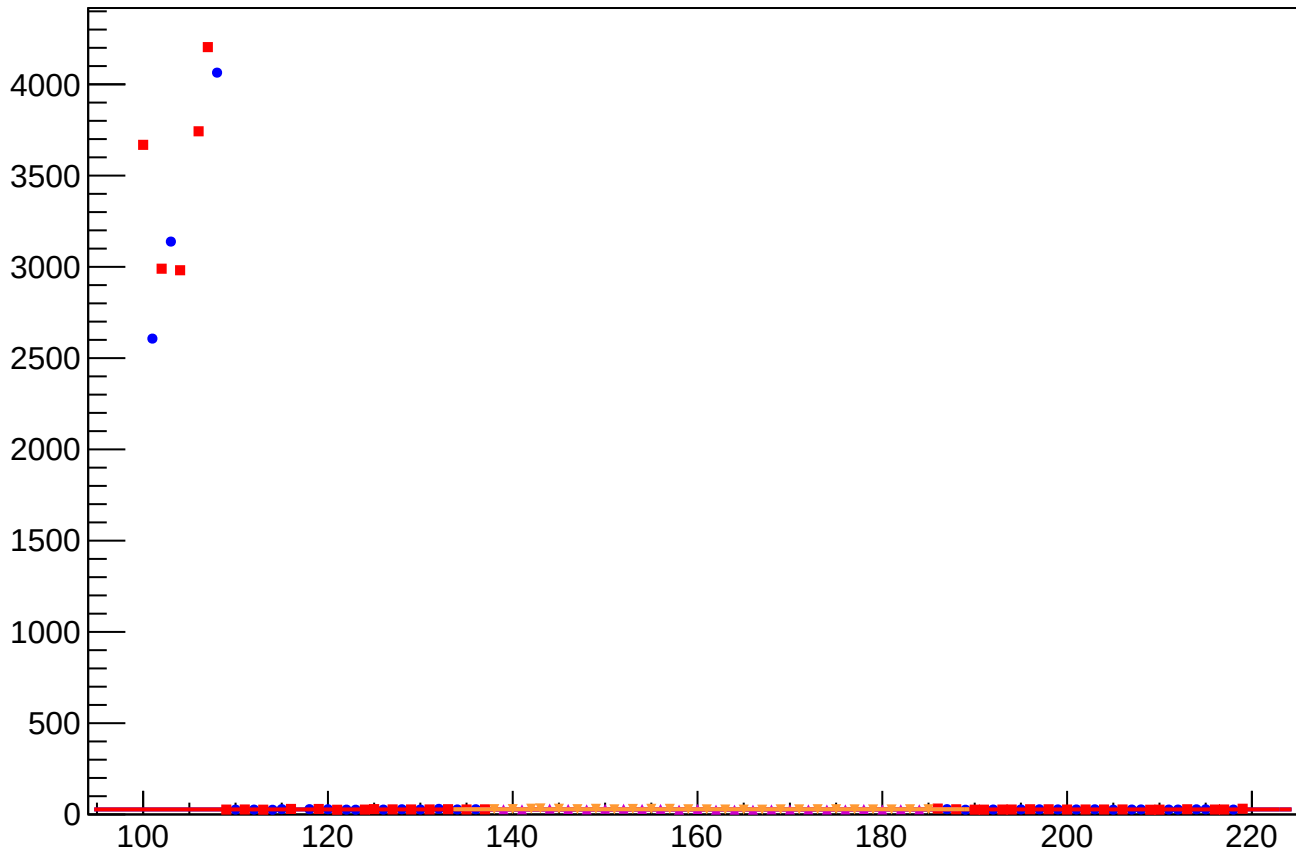
Left In: -1.267 $\pm$ 6.908 χ^2 /NDF: 32.0/22

+ sign -7.296 $\pm$ 4.744 χ^2 /NDF: 62.3/57

All: -4.853 $\pm$ 3.363 χ^2 /NDF: 134.3/117

- sign -2.385 $\pm$ 4.768 χ^2 /NDF: 71.4/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.452 $\pm$ 0.005 χ^2 /NDF: 3045216.4/32

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.564 $\pm$ 0.005 χ^2 /NDF: 3537749.1/36

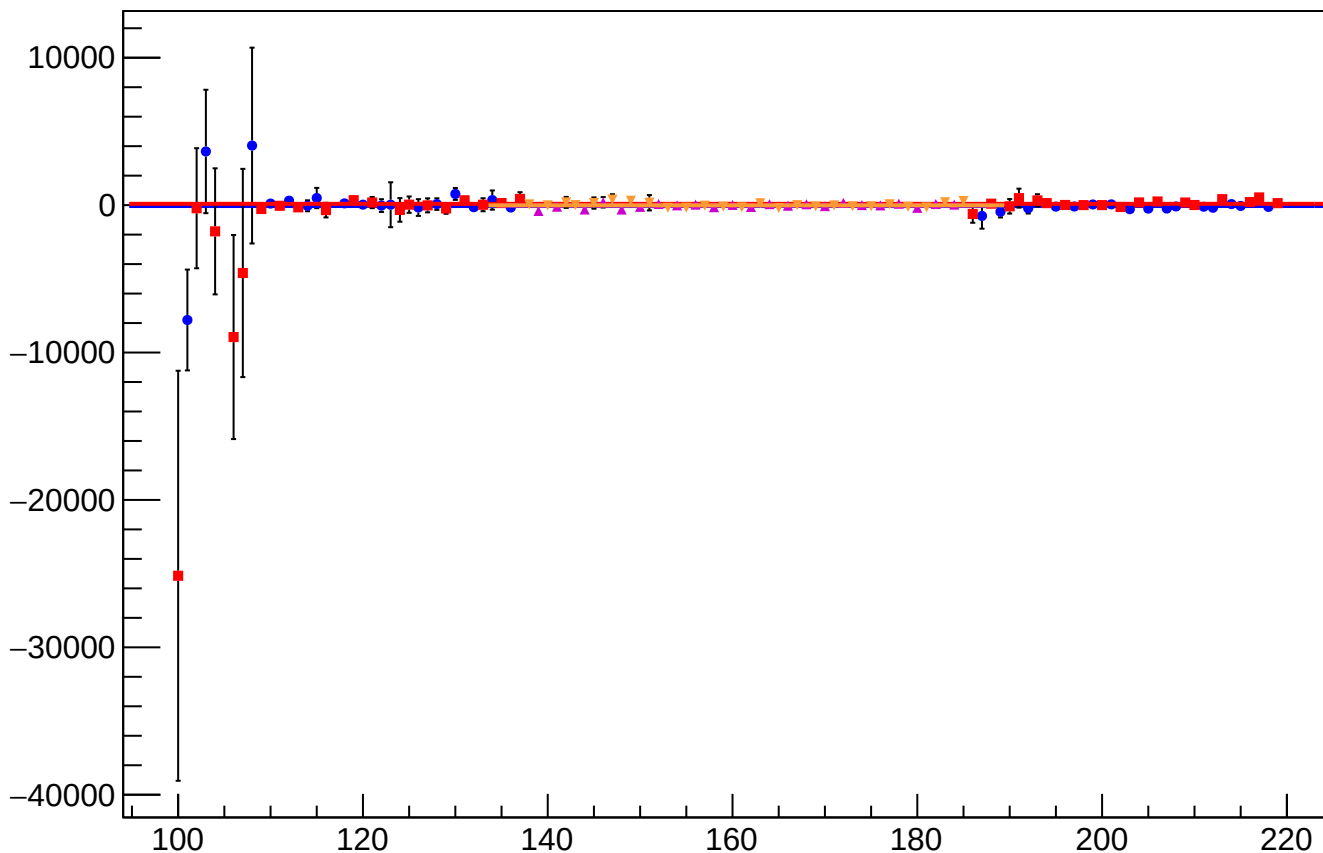
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.074 $\pm$ 0.003 χ^2 /NDF: 3189923.9/57

All: 28.084 $\pm$ 0.002 χ^2 /NDF: 6878674.1/117

- sign 28.094 $\pm$ 0.003 χ^2 /NDF: 3688732.2/59

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -60.882 $\pm$ 43.958 χ^2 /NDF: 22.5/32

Left Out: -13.878 $\pm$ 48.155 χ^2 /NDF: 8.8/24

Right Out: 87.682 $\pm$ 43.653 χ^2 /NDF: 25.5/36

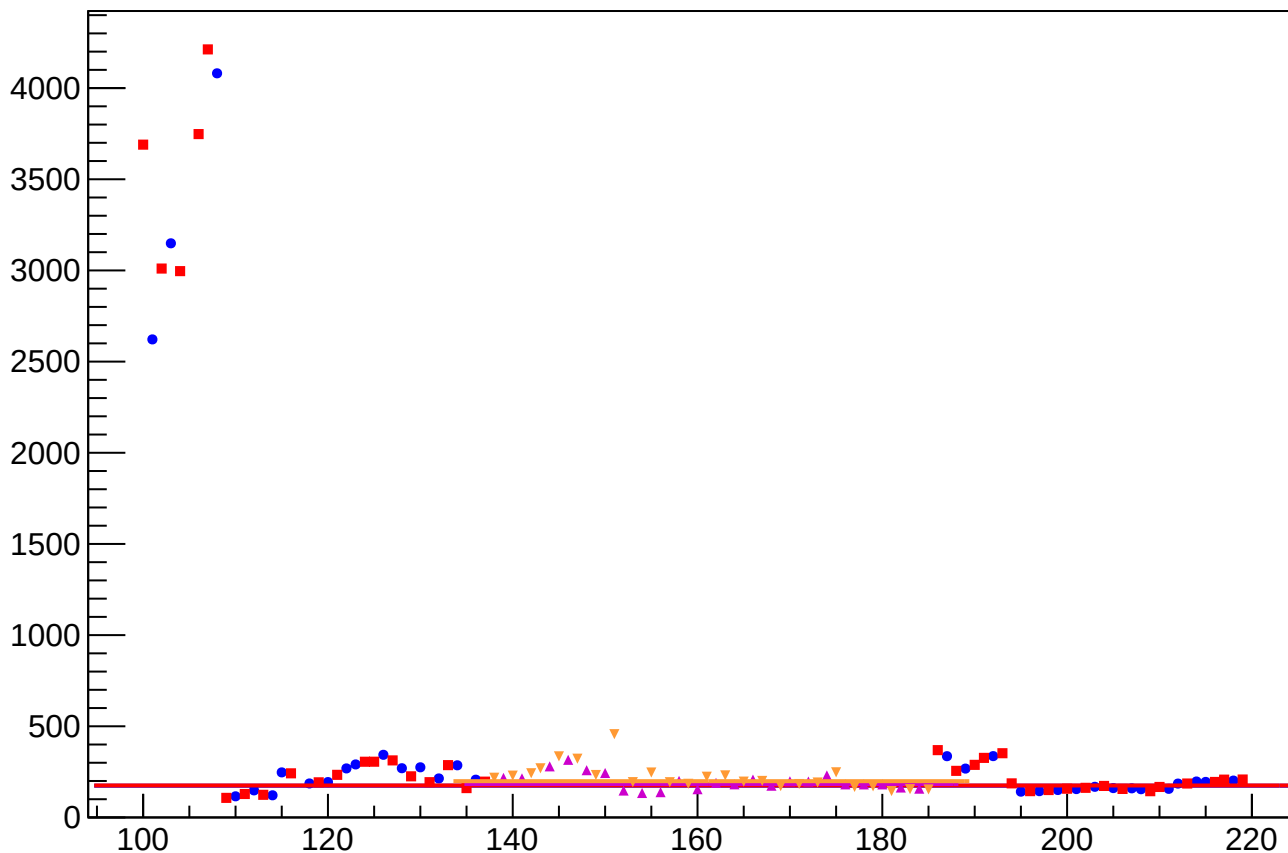
Left In: -27.286 $\pm$ 45.907 χ^2 /NDF: 7.5/22

+ sign -39.517 $\pm$ 32.466 χ^2 /NDF: 31.9/57

All: -2.272 $\pm$ 22.657 χ^2 /NDF: 70.7/117

- sign 33.090 $\pm$ 31.634 χ^2 /NDF: 36.3/59

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.109 $\pm$ 0.031 χ^2 /NDF: 4614203.8/32

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF: 1877636.0/24

Right Out: 175.376 $\pm$ 0.031 χ^2 /NDF: 5519132.3/36

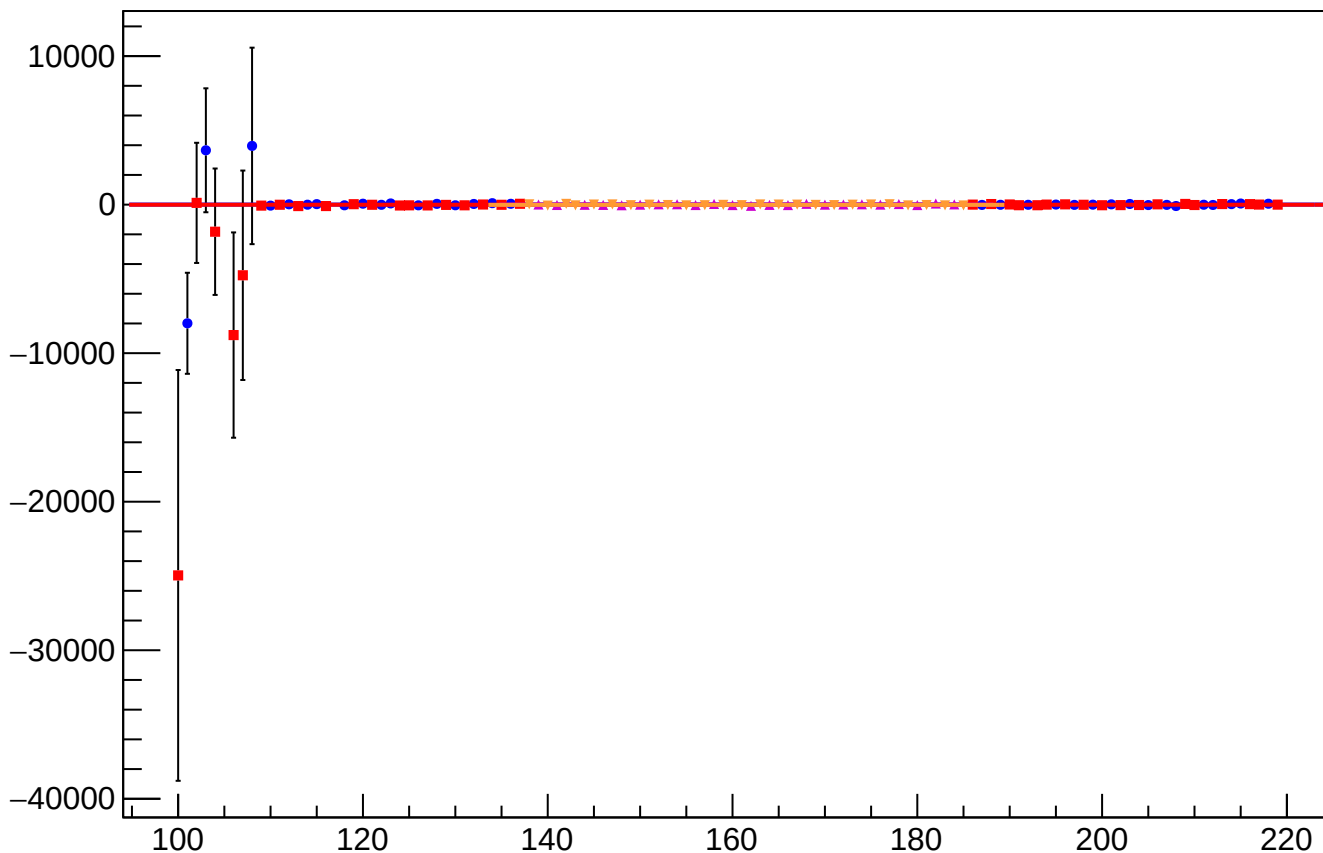
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 185.421 $\pm$ 0.023 χ^2 /NDF: 6783235.8/57

All: 182.233 $\pm$ 0.016 χ^2 /NDF: 13784723.9/1

- sign 179.206 $\pm$ 0.022 χ^2 /NDF: 6963892.3/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 4.897 $\pm$ 6.670 χ^2 /NDF: 44.8/32

Left Out: -15.829 $\pm$ 6.733 χ^2 /NDF:16.5/24

Right Out: -6.393 $\pm$ 6.554 χ^2 /NDF: 34.5/36

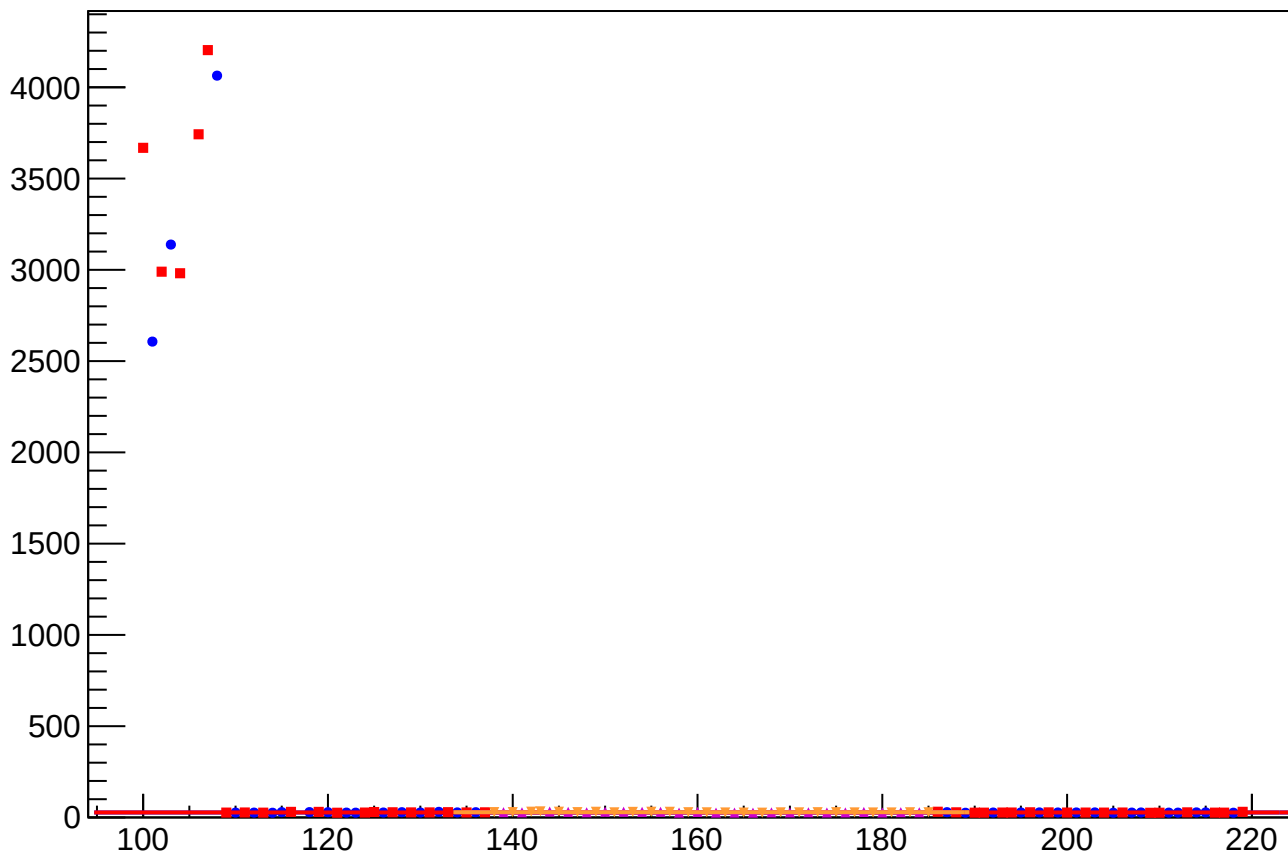
Left In: 0.498 $\pm$ 6.937 χ^2 /NDF:26.1/22

+ sign -5.368 $\pm$ 4.739 χ^2 /NDF: 66.1/57

All: -4.262 $\pm$ 3.360 χ^2 /NDF: 127.3/117

- sign -3.143 $\pm$ 4.764 χ^2 /NDF: 61.1/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.265 $\pm$ 0.005 χ^2 /NDF: 3055610.8/32

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.412 $\pm$ 0.005 χ^2 /NDF: 3541232.8/36

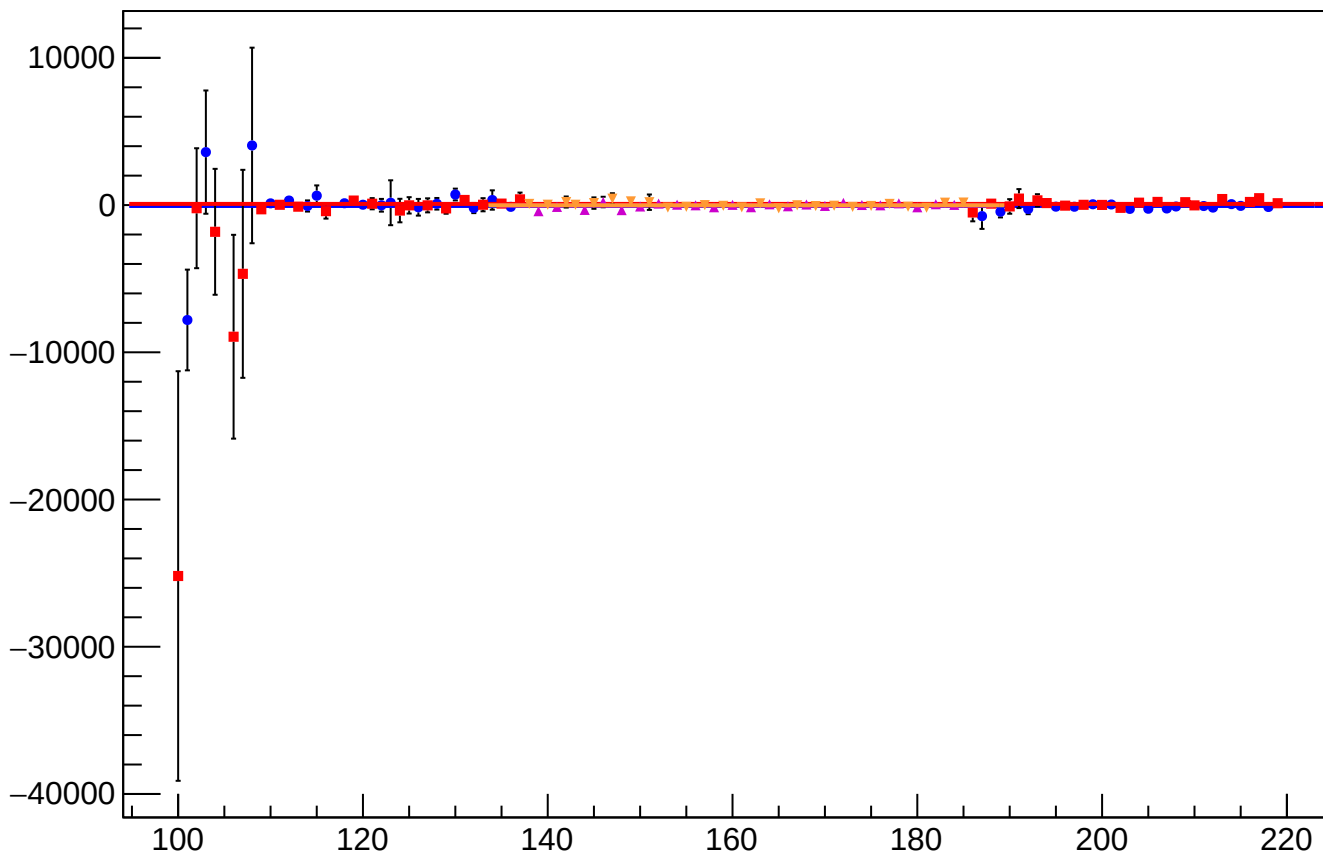
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.032 $\pm$ 0.003 χ^2 /NDF: 3231218.9/57

All: 28.049 $\pm$ 0.002 χ^2 /NDF: 6942920.6/117

- sign 28.065 $\pm$ 0.003 χ^2 /NDF: 3711653.0/59

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -60.159 $\pm$ 44.248 χ^2 /NDF: 22.7/32

Left Out: -13.966 $\pm$ 48.735 χ^2 /NDF: 8.1/24

Right Out: 78.947 $\pm$ 43.969 χ^2 /NDF: 24.3/36

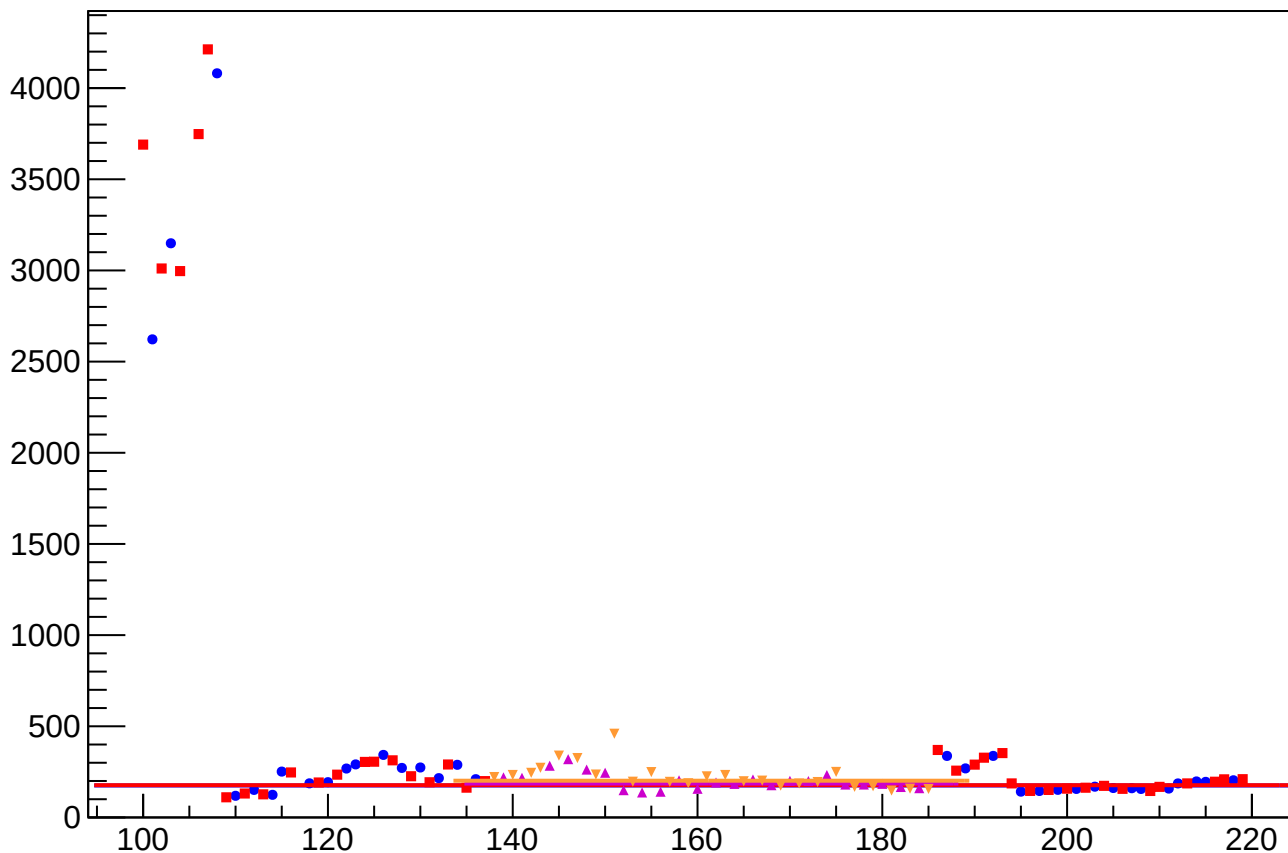
Left In: -31.477 $\pm$ 46.483 χ^2 /NDF: 7.8/22

+ sign -39.286 $\pm$ 32.760 χ^2 /NDF: 31.3/57

All: -5.408 $\pm$ 22.870 χ^2 /NDF: 68.5/117

- sign 26.801 $\pm$ 31.943 χ^2 /NDF: 35.1/59

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 175.351 $\pm$ 0.031 χ^2 /NDF: 4578989.9/32

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF: 1854905.1/24

Right Out: 176.827 $\pm$ 0.031 χ^2 /NDF: 5459015.1/36

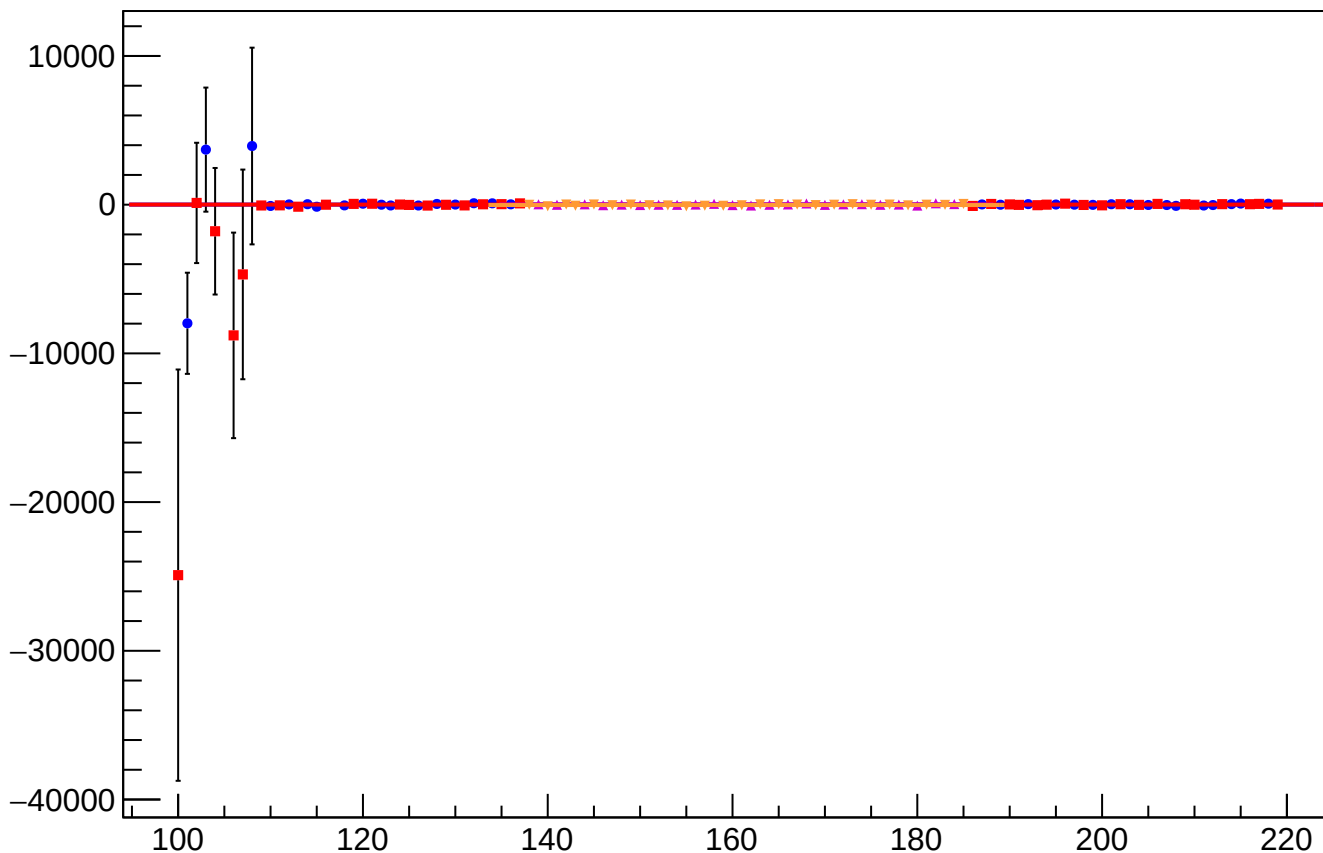
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF: 1380877.6/22

+ sign 187.168 $\pm$ 0.023 χ^2 /NDF: 6749571.9/57

All: 184.058 $\pm$ 0.016 χ^2 /NDF: 13664639.7/136

- sign 181.102 $\pm$ 0.023 χ^2 /NDF: 6879913.4/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.844 $\pm$ 8.139 χ^2 /NDF: 36.7/32

Left Out: -24.144 $\pm$ 8.076 χ^2 /NDF:24.9/24

Right Out: 6.441 $\pm$ 7.983 χ^2 /NDF: 37.9/36

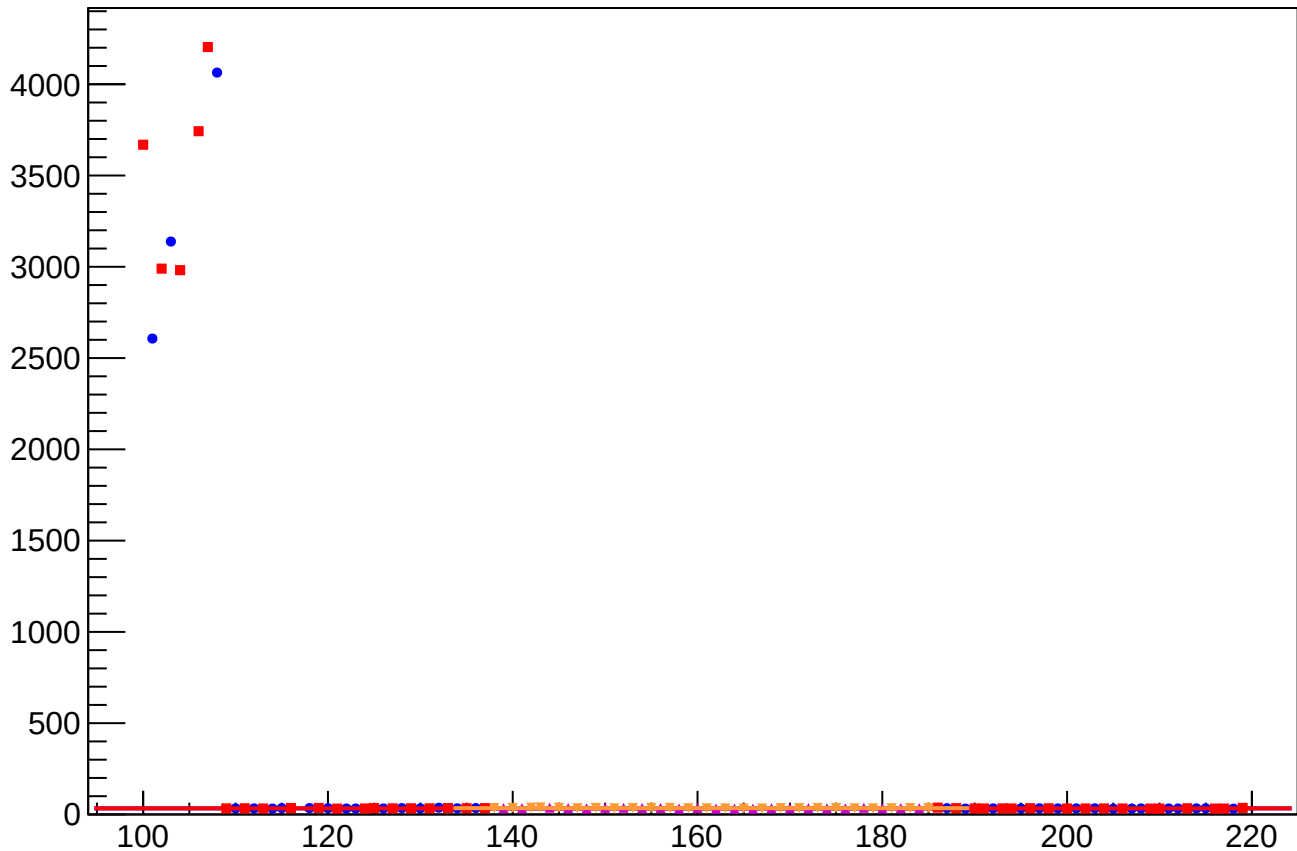
Left In: 5.924 $\pm$ 8.340 χ^2 /NDF:21.0/22

+ sign -9.266 $\pm$ 5.733 χ^2 /NDF: 68.4/57

All: -1.582 $\pm$ 4.066 χ^2 /NDF: 131.0/117

- sign 6.194 $\pm$ 5.767 χ^2 /NDF: 58.9/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.291 $\pm$ 0.006 χ^2 /NDF: 3024428.9/32

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.442 $\pm$ 0.006 χ^2 /NDF: 3485496.4/36

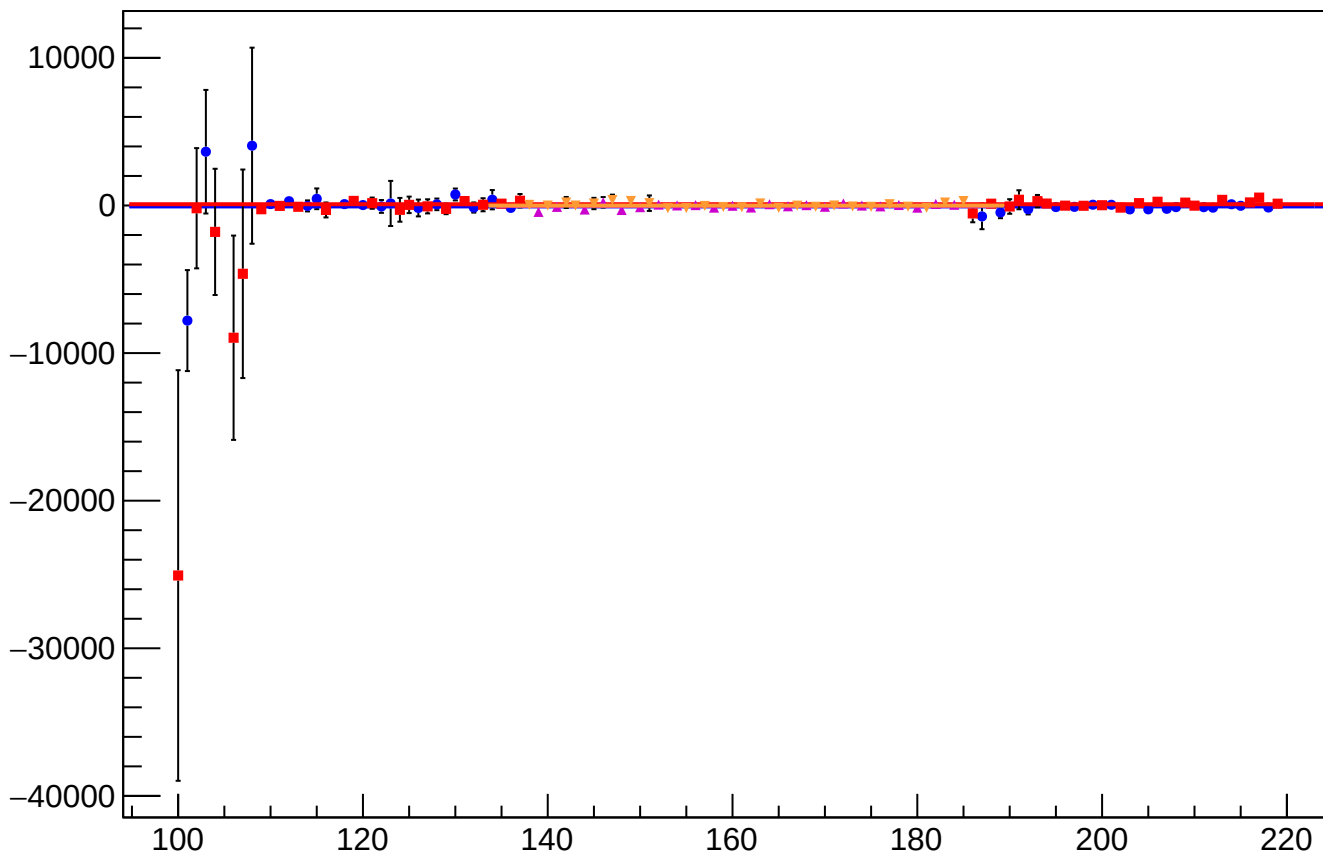
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 33.959 $\pm$ 0.004 χ^2 /NDF: 3109079.1/57

All: 33.997 $\pm$ 0.003 χ^2 /NDF: 6677664.0/117

- sign 34.035 $\pm$ 0.004 χ^2 /NDF: 3568413.3/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -63.837 ± 44.123 χ^2/NDF : 22.4/32

Left Out: -7.558 ± 48.662 χ^2/NDF : 8.8/24

Right Out: 84.807 ± 43.812 χ^2/NDF : 23.6/36

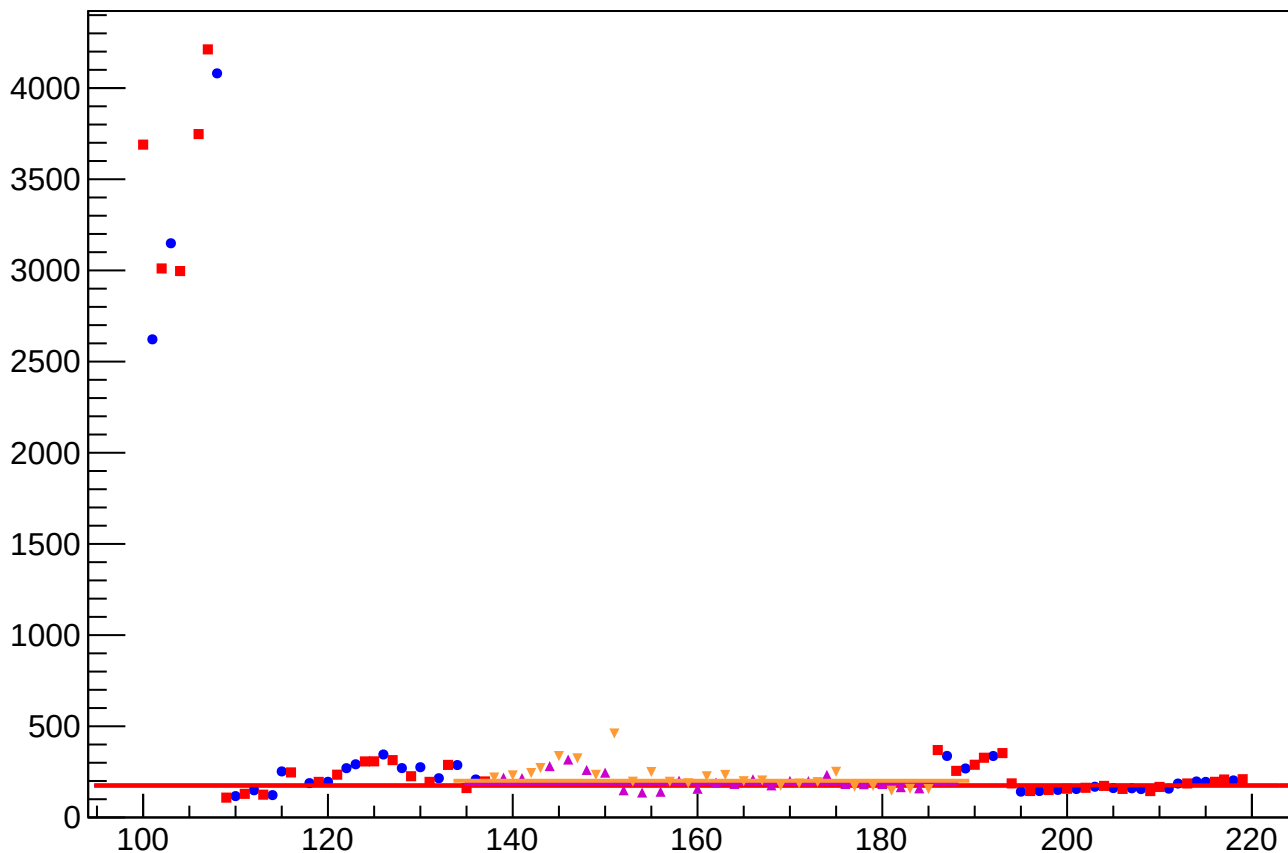
Left In: -34.977 ± 46.421 χ^2/NDF : 7.1/22

+ sign -38.444 ± 32.687 χ^2/NDF : 31.9/57

All: -4.181 ± 22.816 χ^2/NDF : 68.3/117

- sign 28.375 ± 31.862 χ^2/NDF : 34.2/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 174.780 $\pm$ 0.031 χ^2 /NDF: 4608734.3/32

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF: 1848437.4/24

Right Out: 176.053 $\pm$ 0.031 χ^2 /NDF: 5508919.1/36

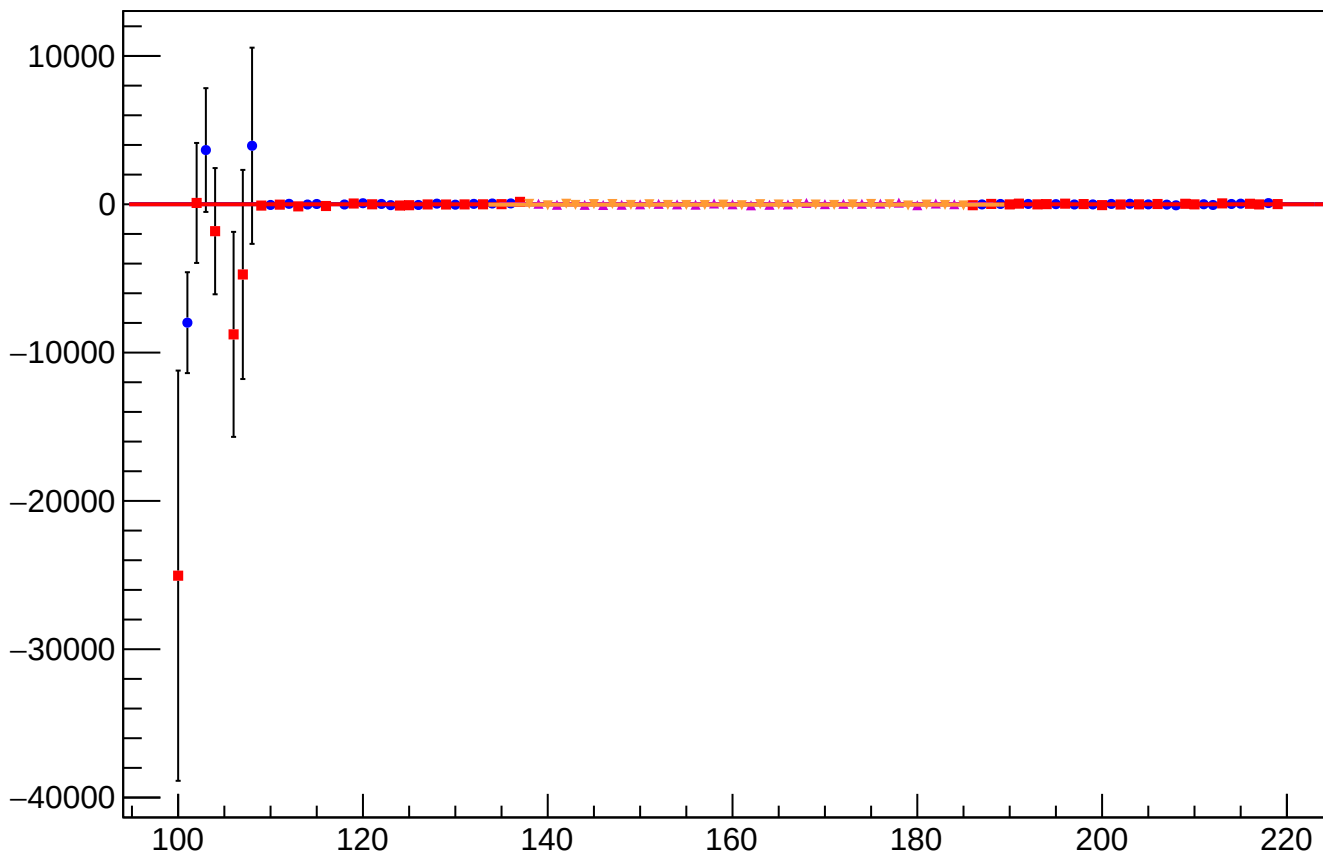
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF: 1371411.2/22

+ sign 186.700 $\pm$ 0.023 χ^2 /NDF: 6780665.3/57

All: 183.553 $\pm$ 0.016 χ^2 /NDF: 13742139.3/137

- sign 180.564 $\pm$ 0.023 χ^2 /NDF: 6925329.4/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 8.831 ± 7.360 χ^2/NDF : 30.8/32

Left Out: -23.320 ± 7.352 χ^2/NDF : 18.3/24

Right Out: -0.531 ± 7.223 χ^2/NDF : 42.7/36

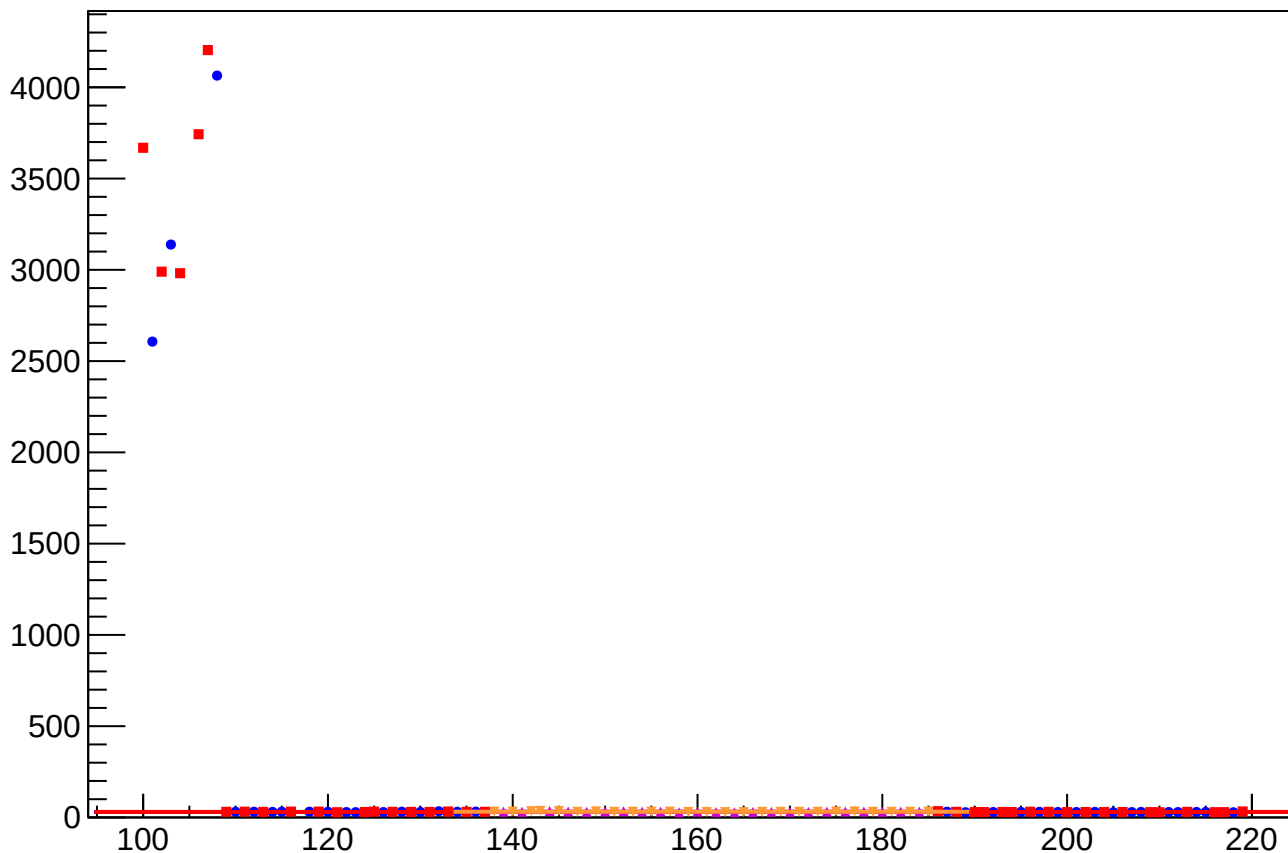
Left In: 6.386 ± 7.577 χ^2/NDF : 38.7/22

+ sign -7.262 ± 5.201 χ^2/NDF : 58.7/57

All: -2.275 ± 3.687 χ^2/NDF : 142.4/117

- sign 2.762 ± 5.228 χ^2/NDF : 81.9/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.093 $\pm$ 0.005 χ^2 /NDF: 3044985.2/32

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.233 $\pm$ 0.005 χ^2 /NDF: 3508498.8/36

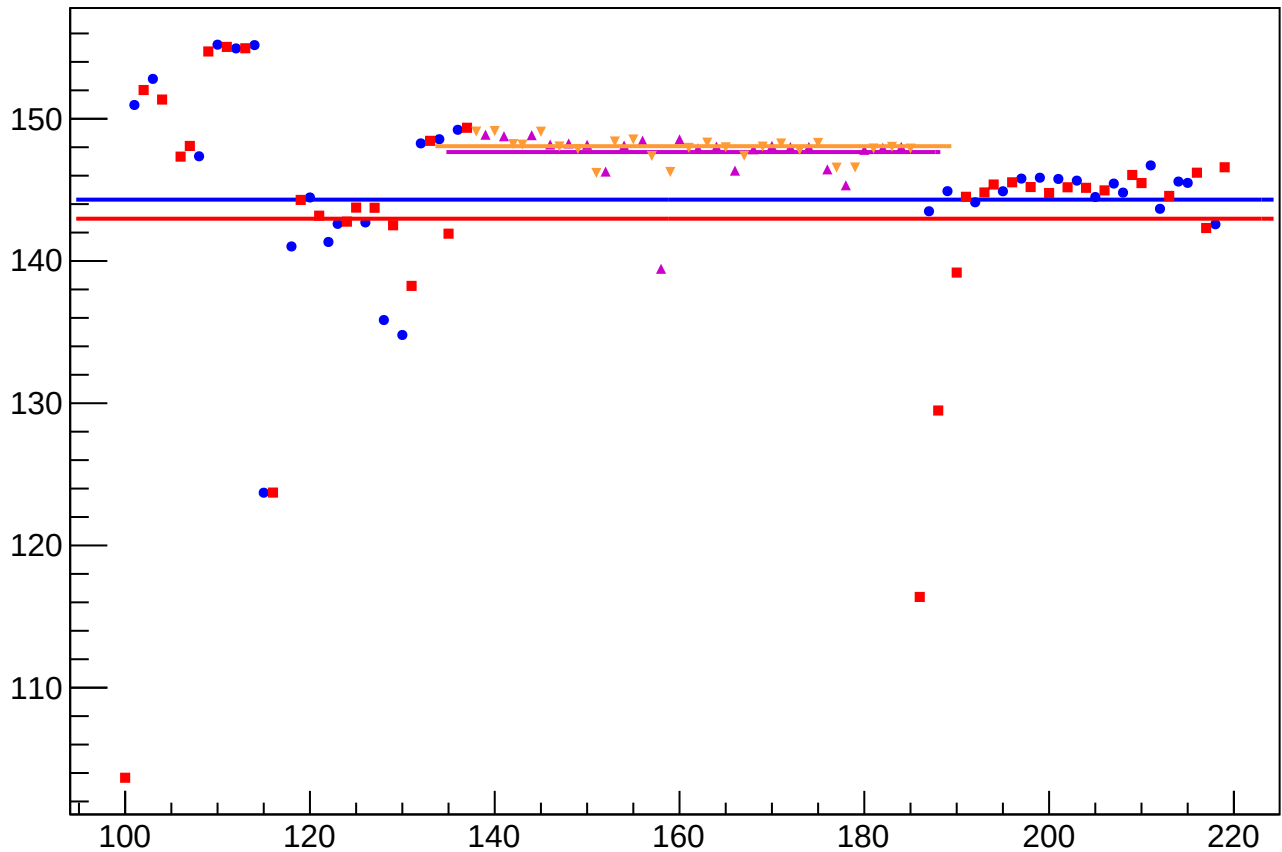
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 30.792 $\pm$ 0.004 χ^2 /NDF: 3162909.3/57

All: 30.808 $\pm$ 0.003 χ^2 /NDF: 6787410.6/117

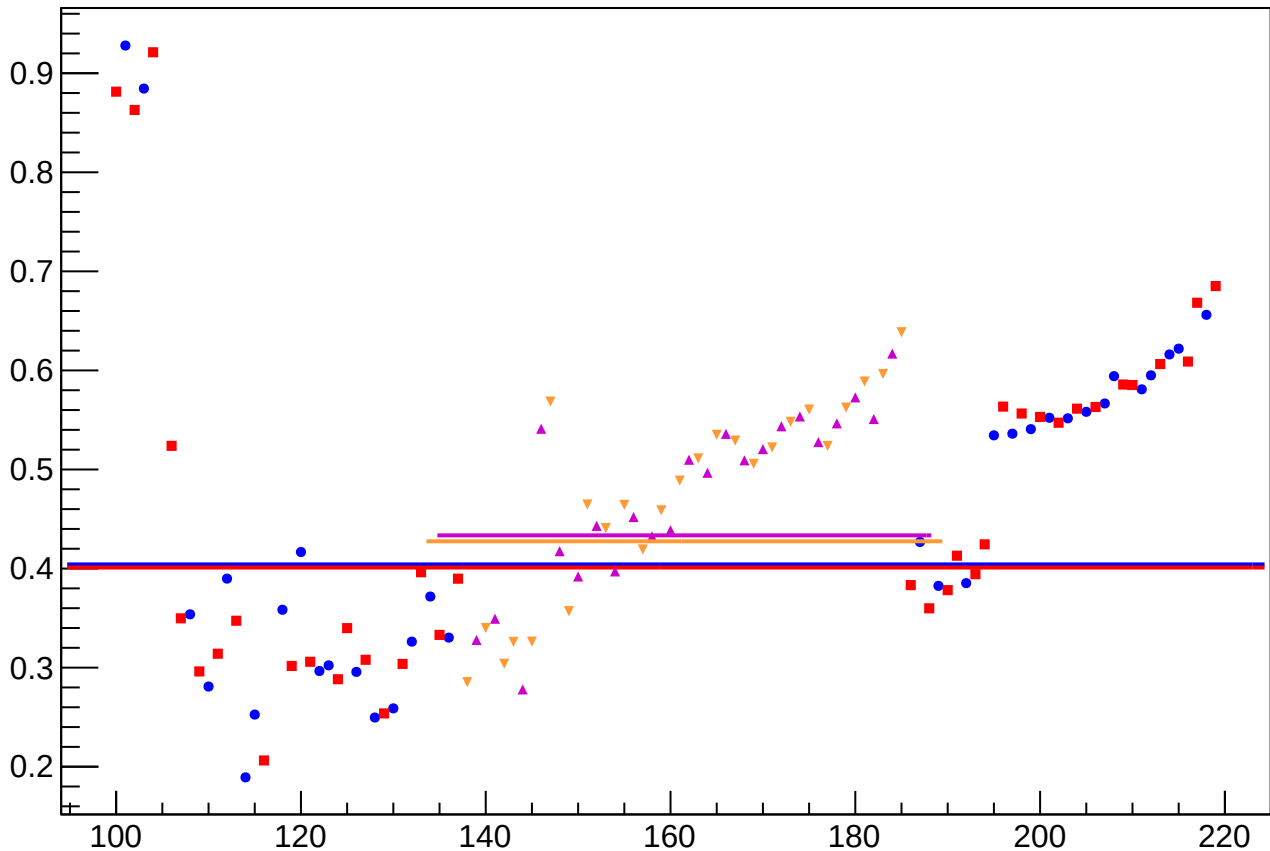
- sign 30.825 $\pm$ 0.004 χ^2 /NDF: 3624461.0/59

yield_bcm_an_ds_mean vs Slug



Right In: 144.315+/-0.000	χ^2/NDF : 3512298998.4/32	+ sign 146.176+/-0.000	χ^2/NDF : 4238699456.6/57
Left Out: 148.074+/-0.000	χ^2/NDF : 65673678.9/24	All: 145.630+/-0.000	χ^2/NDF : 13218870737.
Right Out: 142.975+/-0.000	χ^2/NDF : 7492795511.5/36	- sign 145.093+/-0.000	χ^2/NDF : 8869673057.4/59
Left In: 147.660+/-0.000	χ^2/NDF : 343892338.9/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.404 $\pm$ 0.000 χ^2 /NDF: 3851238.8/32

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1892802.8/24

Right Out: 0.401 $\pm$ 0.000 χ^2 /NDF: 3788881.4/36

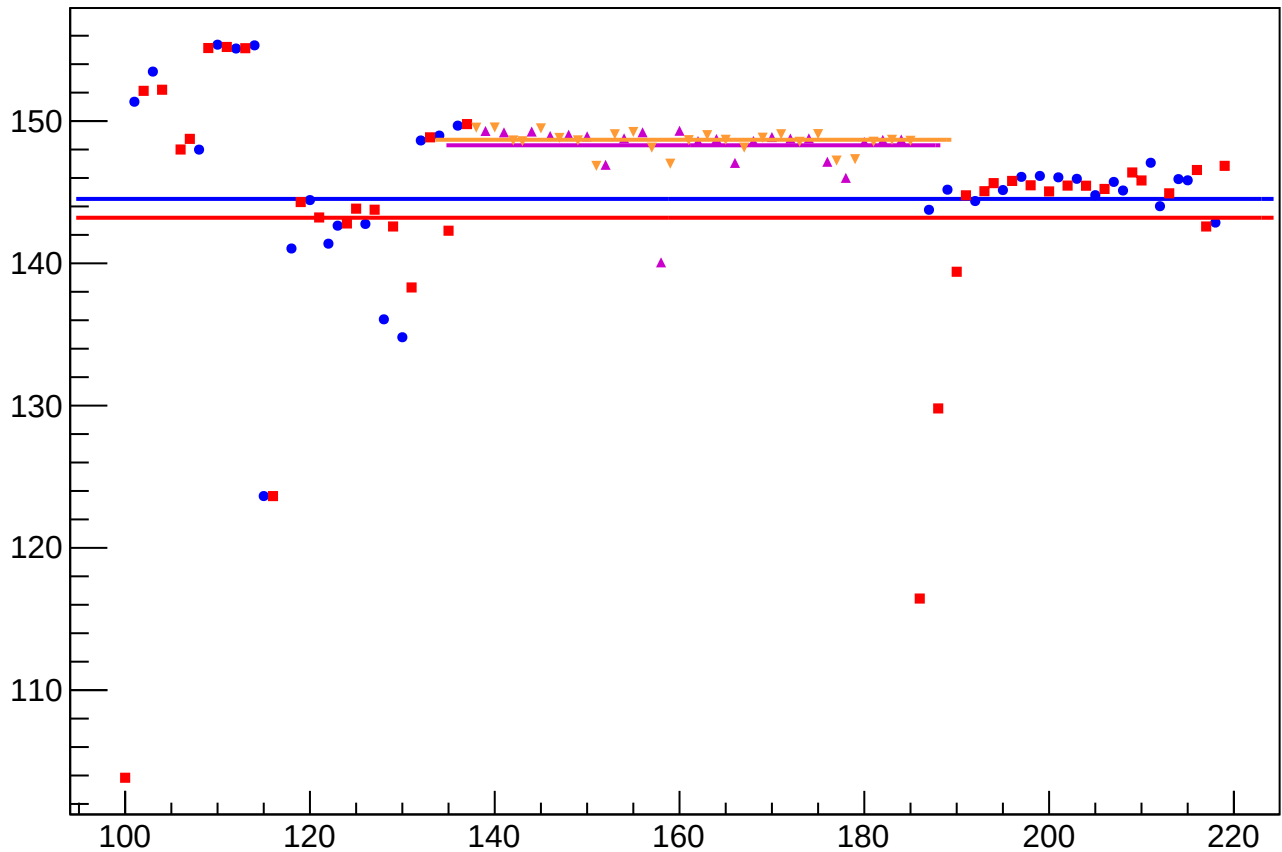
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1479367.0/22

+ sign 0.416 $\pm$ 0.000 χ^2 /NDF: 5794972.7/57

All: 0.416 $\pm$ 0.000 χ^2 /NDF: 11162370.3/117

- sign 0.416 $\pm$ 0.000 χ^2 /NDF: 5367397.5/59

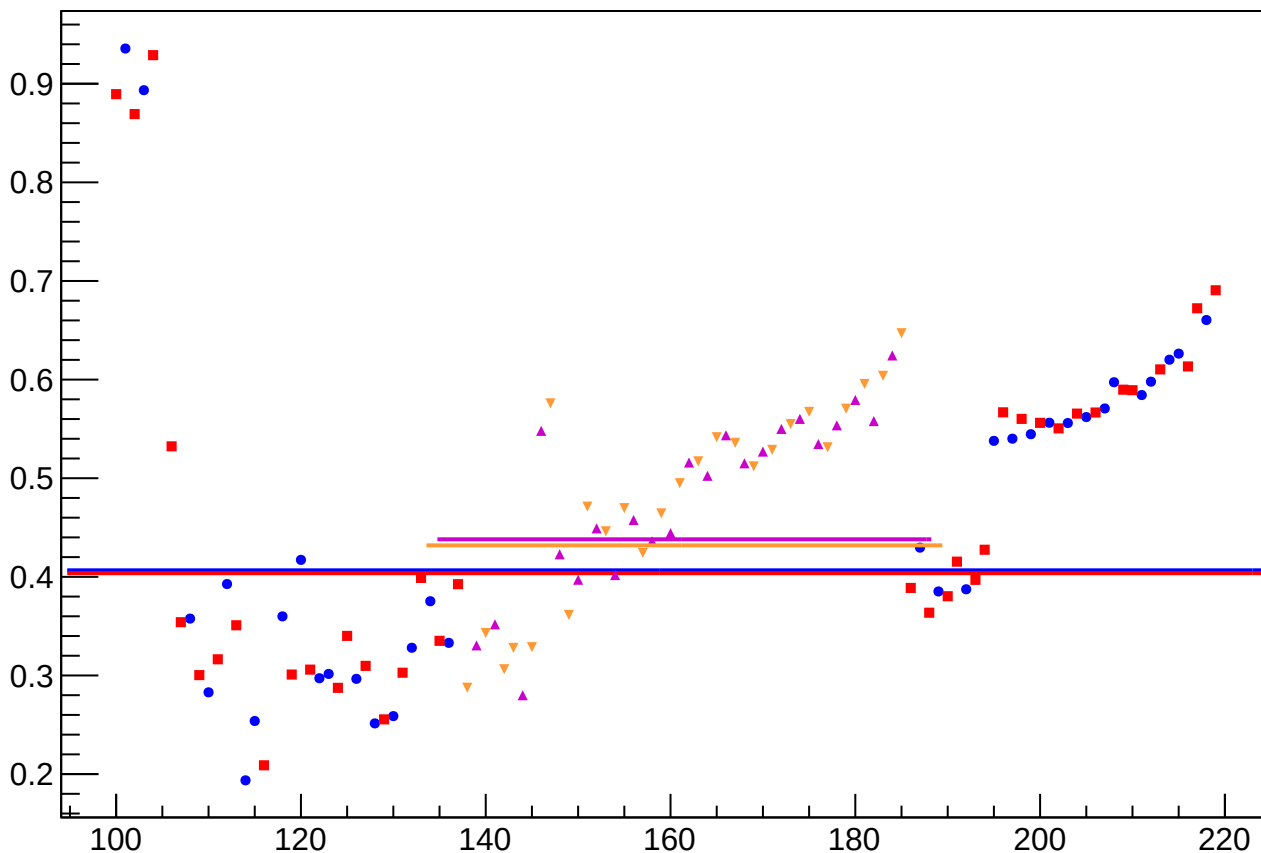
yield_bcm_an_ds3_mean vs Slug



Right In: 144.528 ± 0.000 χ^2/NDF : 3562830038.0/32
 Left Out: 148.687 ± 0.000 χ^2/NDF : 52285197.5/24
 Right Out: 143.205 ± 0.000 χ^2/NDF : 7445560257.7/36
 Left In: 148.298 ± 0.000 χ^2/NDF : 332527463.6/22

+ sign 146.577 ± 0.000 χ^2/NDF : 4410334537.9/57
 All: 146.033 ± 0.000 χ^2/NDF : 13495161690.
 - sign 145.497 ± 0.000 χ^2/NDF : 8976627955.6/59

yield_bcm_an_ds3_rms vs Slug



Right In: 0.407 $\pm$ 0.000 χ^2 /NDF: 3859553.2/32

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1924979.0/24

Right Out: 0.404 $\pm$ 0.000 χ^2 /NDF: 3793867.0/36

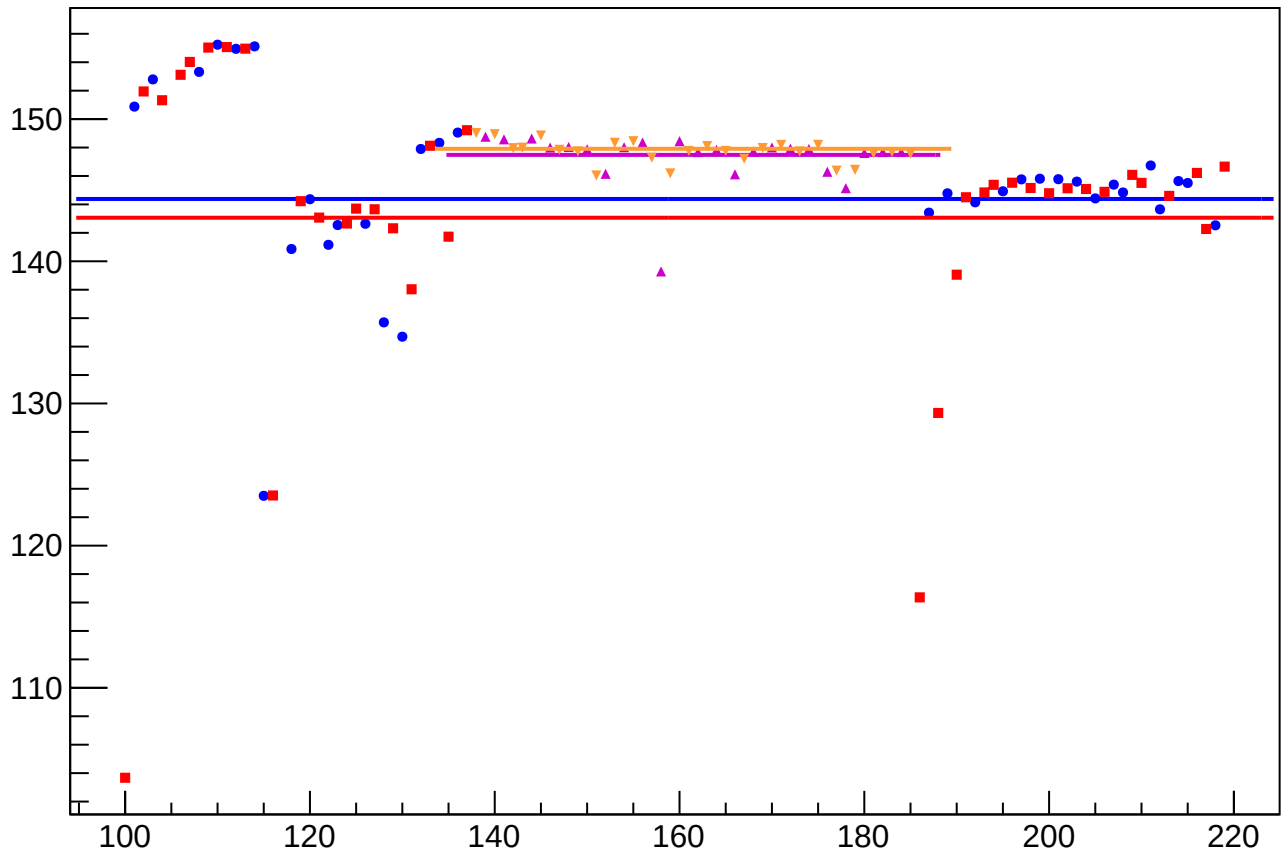
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

+ sign 0.419 $\pm$ 0.000 χ^2 /NDF: 5843462.2/57

All: 0.419 $\pm$ 0.000 χ^2 /NDF: 11250991.5/117

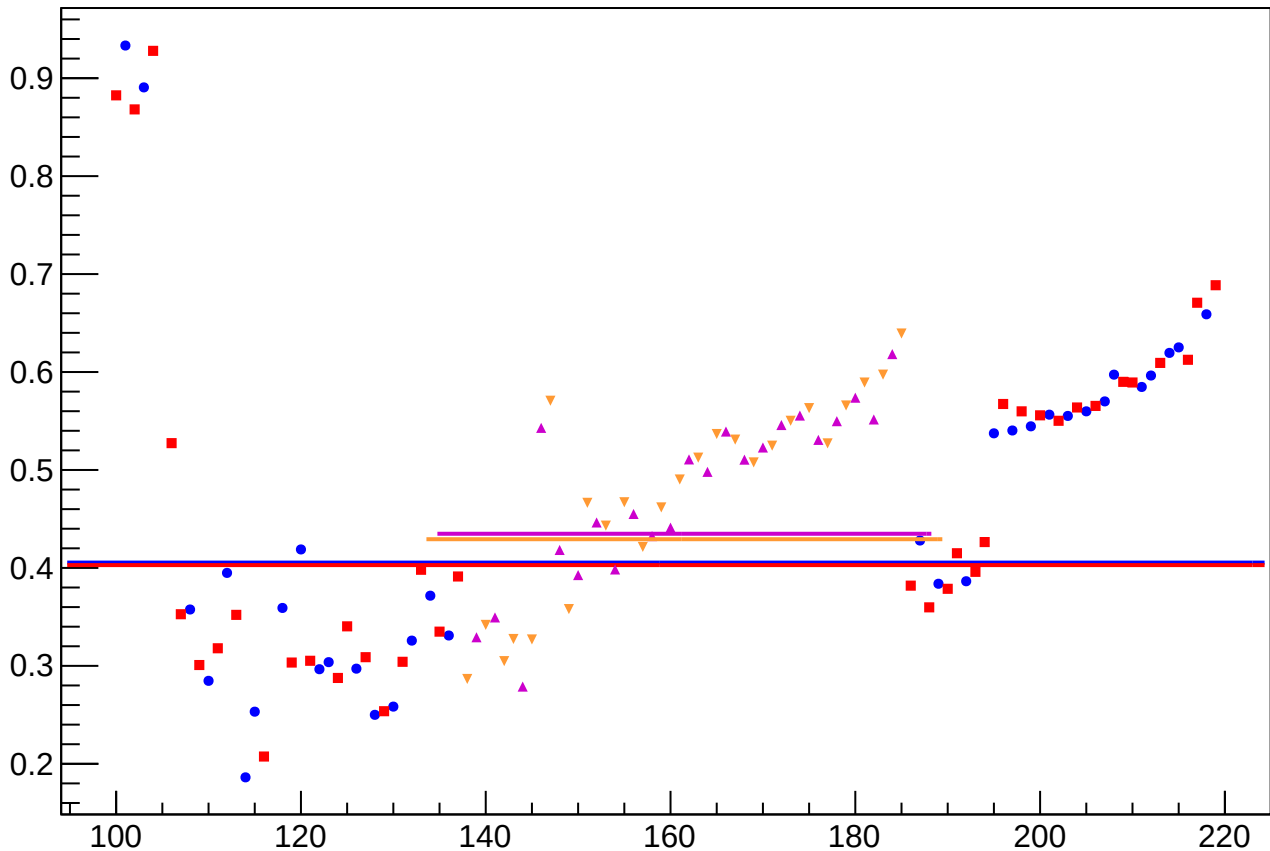
- sign 0.419 $\pm$ 0.000 χ^2 /NDF: 5407527.7/59

yield_bcm_an_us_mean vs Slug



Right In: 144.383 $\pm$ 0.000	χ^2 /NDF: 3718132315.8/32	+ sign 146.130 $\pm$ 0.000	χ^2 /NDF: 4360280047.4/57
Left Out: 147.912 $\pm$ 0.000	χ^2 /NDF: 64463426.1/24	All: 145.593 $\pm$ 0.000	χ^2 /NDF: 13587101926.
Right Out: 143.063 $\pm$ 0.000	χ^2 /NDF: 7865922053.7/36	- sign 145.064 $\pm$ 0.000	χ^2 /NDF: 9120768306.5/59
Left In: 147.483 $\pm$ 0.000	χ^2 /NDF: 342674720.4/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.405 $\pm$ 0.000 χ^2 /NDF: 3891102.2/32

Left Out: 0.429 $\pm$ 0.000 χ^2 /NDF:1891709.3/24

Right Out: 0.403 $\pm$ 0.000 χ^2 /NDF: 3797216.6/36

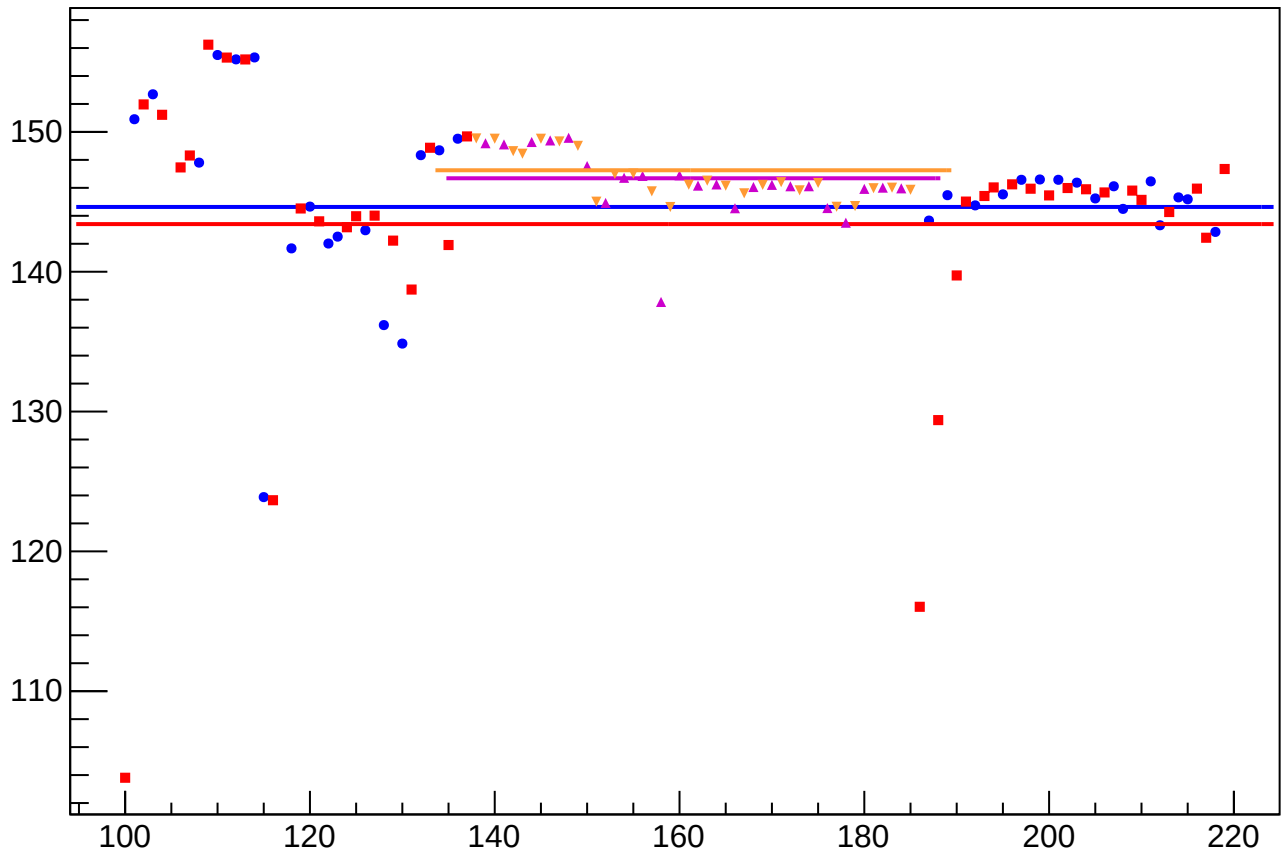
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.417 $\pm$ 0.000 χ^2 /NDF: 5835644.1/57

All: 0.417 $\pm$ 0.000 χ^2 /NDF: 11214383.9/117

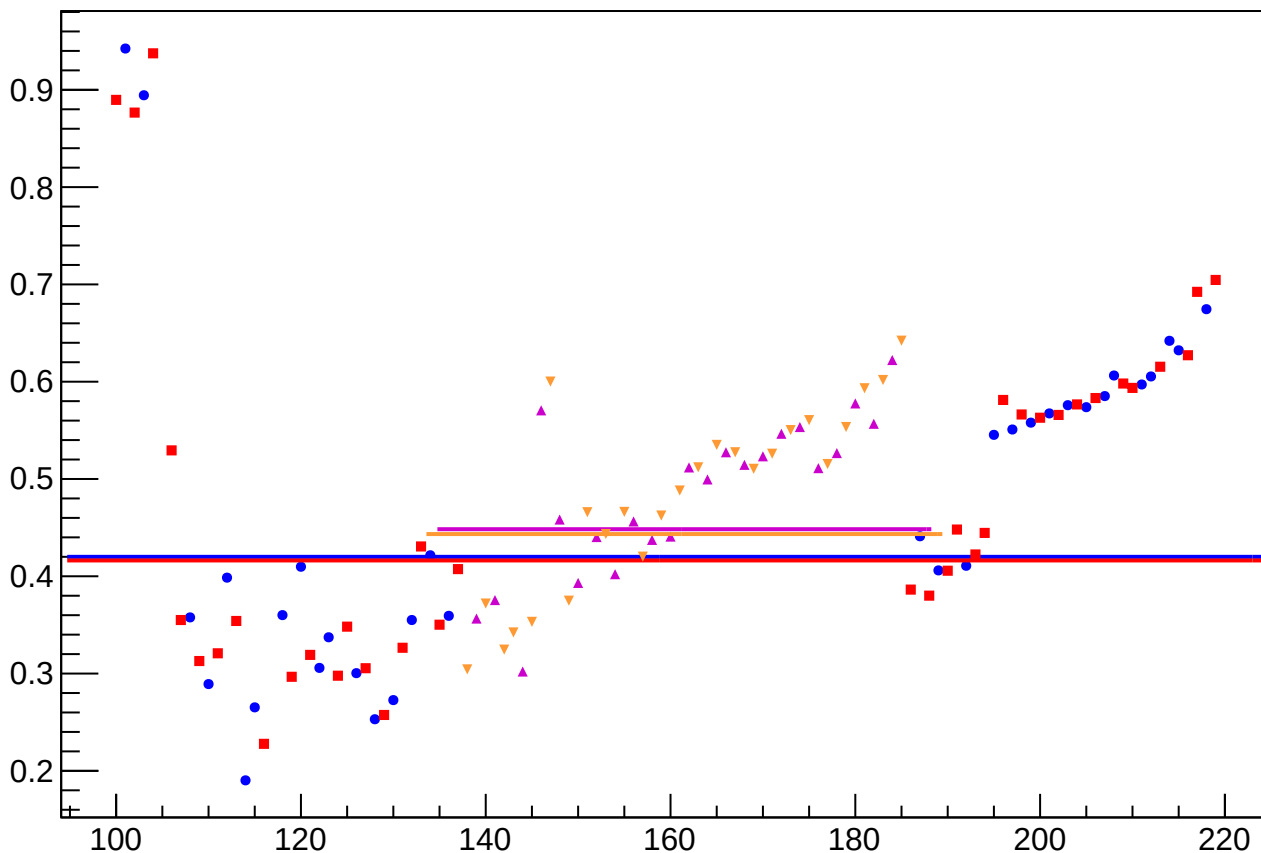
- sign 0.417 $\pm$ 0.000 χ^2 /NDF: 5378737.3/59

yield_bcm_dg_us_mean vs Slug



Right In: 144.634 $\pm$ 0.000	χ^2 /NDF: 3236551260.1/32	+ sign 145.942 $\pm$ 0.000	χ^2 /NDF: 3798502103.6/57
Left Out: 147.257 $\pm$ 0.000	χ^2 /NDF: 261906278.3/24	All: 145.418 $\pm$ 0.000	χ^2 /NDF: 12103202736.
Right Out: 143.408 $\pm$ 0.000	χ^2 /NDF: 7181441337.0/36	- sign 144.903 $\pm$ 0.000	χ^2 /NDF: 8209765512.2/59
Left In: 146.685 $\pm$ 0.000	χ^2 /NDF: 554922388.0/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.420 $\pm$ 0.000 χ^2 /NDF: 3760230.1/32

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.416 $\pm$ 0.000 χ^2 /NDF: 3674580.8/36

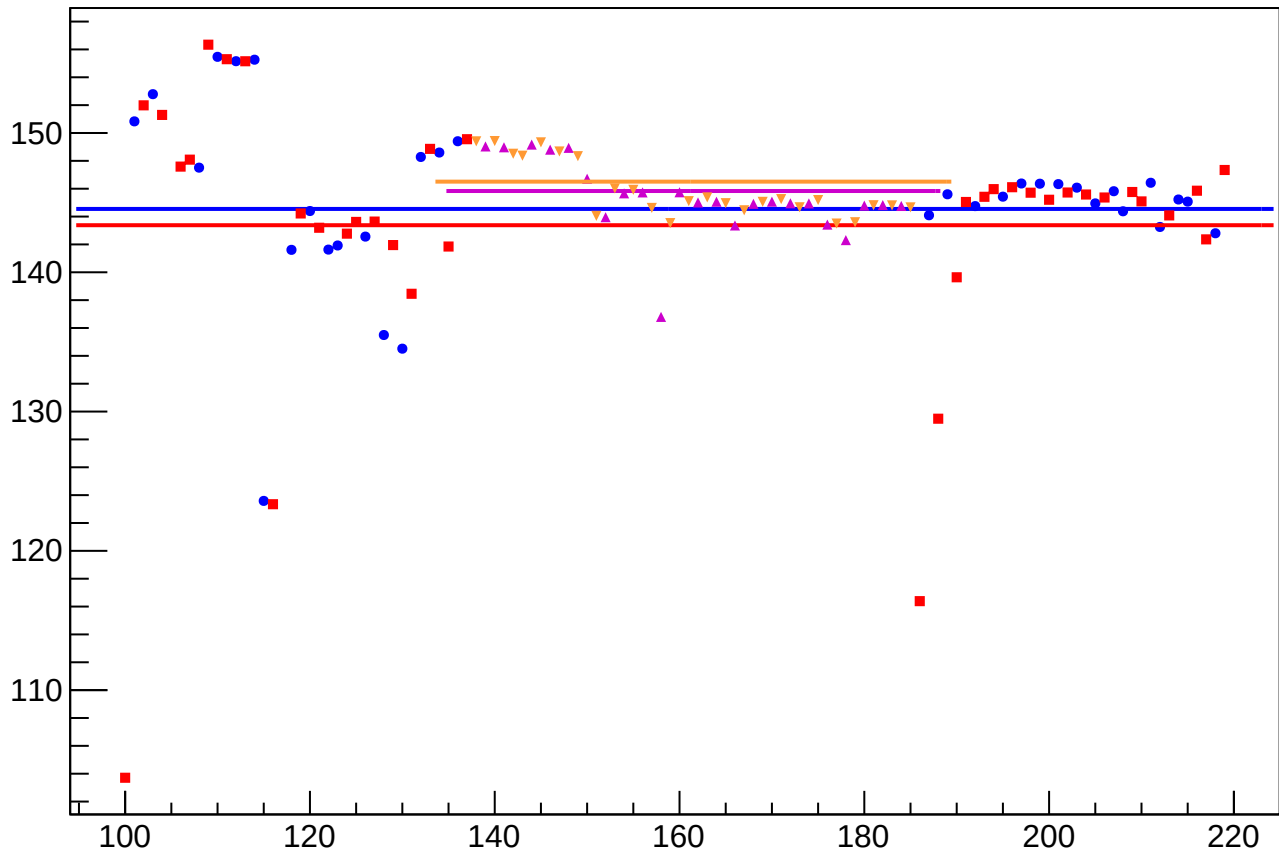
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.432 $\pm$ 0.000 χ^2 /NDF: 5288471.5/57

All: 0.431 $\pm$ 0.000 χ^2 /NDF: 10174362.7/117

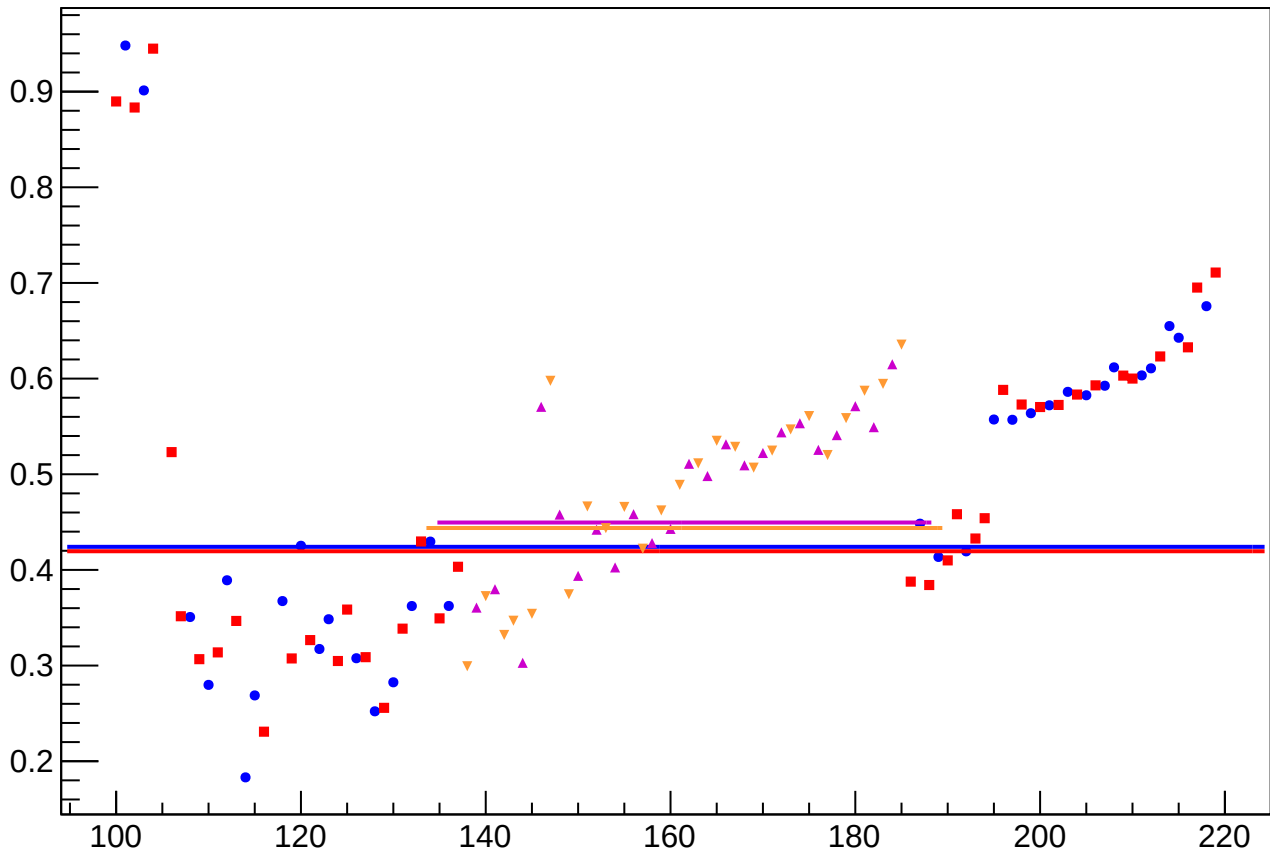
- sign 0.431 $\pm$ 0.000 χ^2 /NDF: 4885798.3/59

yield_bcm_dg_ds_mean vs Slug



Right In: 144.548 $\pm$ 0.000	χ^2 /NDF: 3346043335.9/32	+ sign 145.535 $\pm$ 0.000	χ^2 /NDF: 3912731028.9/57
Left Out: 146.508 $\pm$ 0.000	χ^2 /NDF: 401248837.9/24	All: 145.017 $\pm$ 0.000	χ^2 /NDF: 12090489955.
Right Out: 143.379 $\pm$ 0.000	χ^2 /NDF: 7133174690.9/36	- sign 144.508 $\pm$ 0.000	χ^2 /NDF: 8085992650.6/59
Left In: 145.834 $\pm$ 0.000	χ^2 /NDF: 690172810.0/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.424 $\pm$ 0.000 χ^2 /NDF: 3812797.6/32

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1460383.7/24

Right Out: 0.419 $\pm$ 0.000 χ^2 /NDF: 3710204.2/36

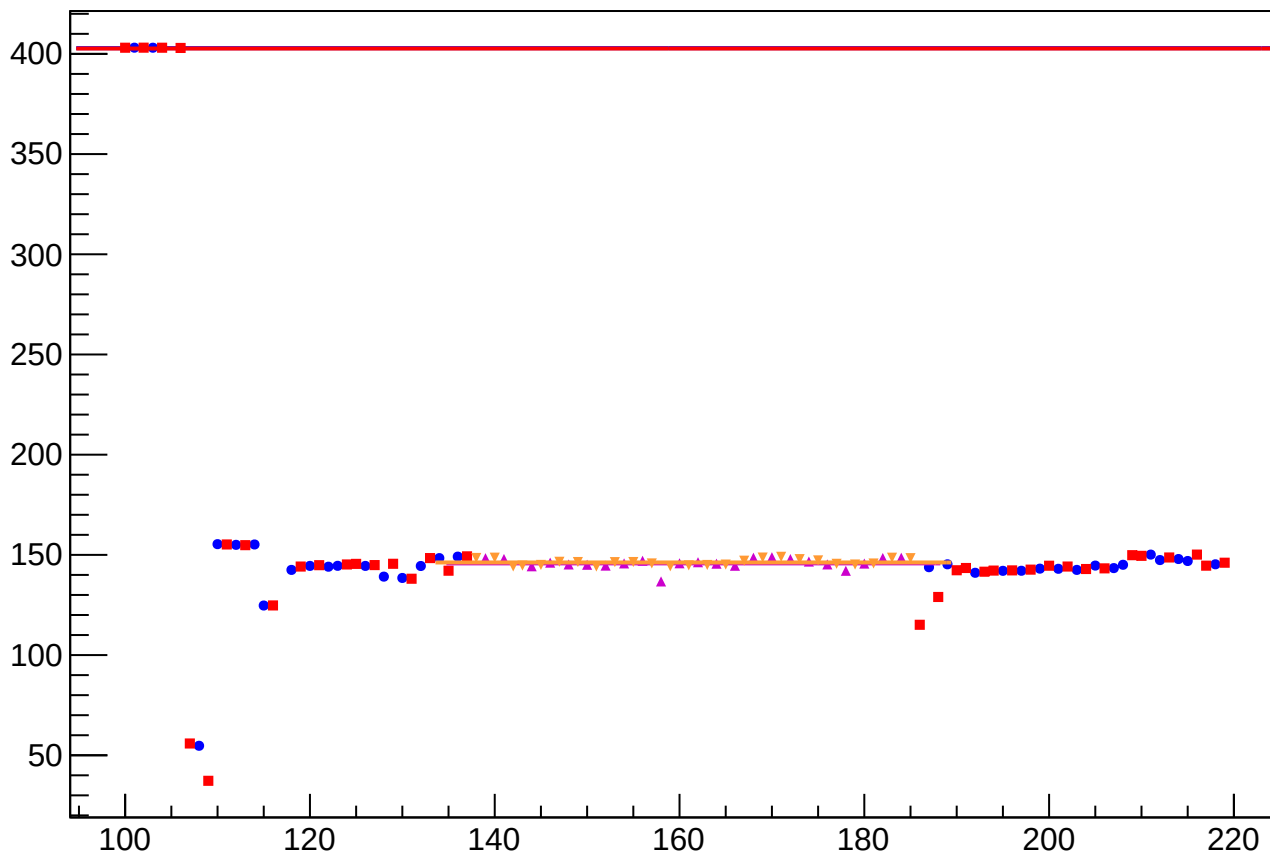
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1092776.5/22

+ sign 0.434 $\pm$ 0.000 χ^2 /NDF: 5306518.3/57

All: 0.434 $\pm$ 0.000 χ^2 /NDF: 10188229.0/117

- sign 0.433 $\pm$ 0.000 χ^2 /NDF: 4881617.1/59

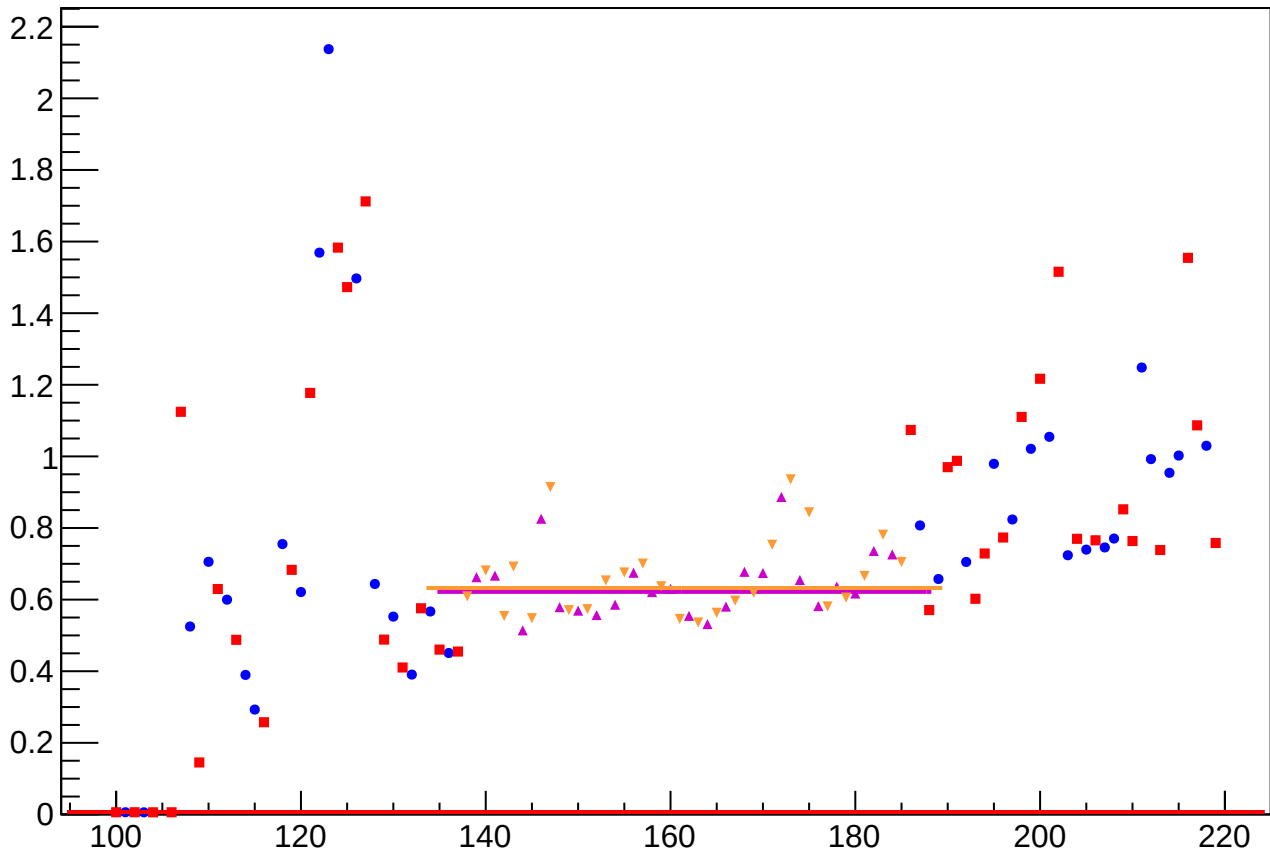
yield_cav4bQ_mean vs Slug



Right In: 402.852 $\pm$ 0.000 χ^2 /NDF: 1942262763544.2/32
 Left Out: 146.216 $\pm$ 0.000 χ^2 /NDF: 86042286.3/24
 Right Out: 402.678 $\pm$ 0.000 χ^2 /NDF: 4213963413229.5/36
 Left In: 145.755 $\pm$ 0.000 χ^2 /NDF: 206171532.0/22

+ sign 402.557 $\pm$ 0.000 χ^2 /NDF: 4301629726739.5
 All: 402.485 $\pm$ 0.000 χ^2 /NDF: 108434164149
 - sign 402.421 $\pm$ 0.000 χ^2 /NDF: 6541479323350.4

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 27461451.7/32

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 30491909.0/36

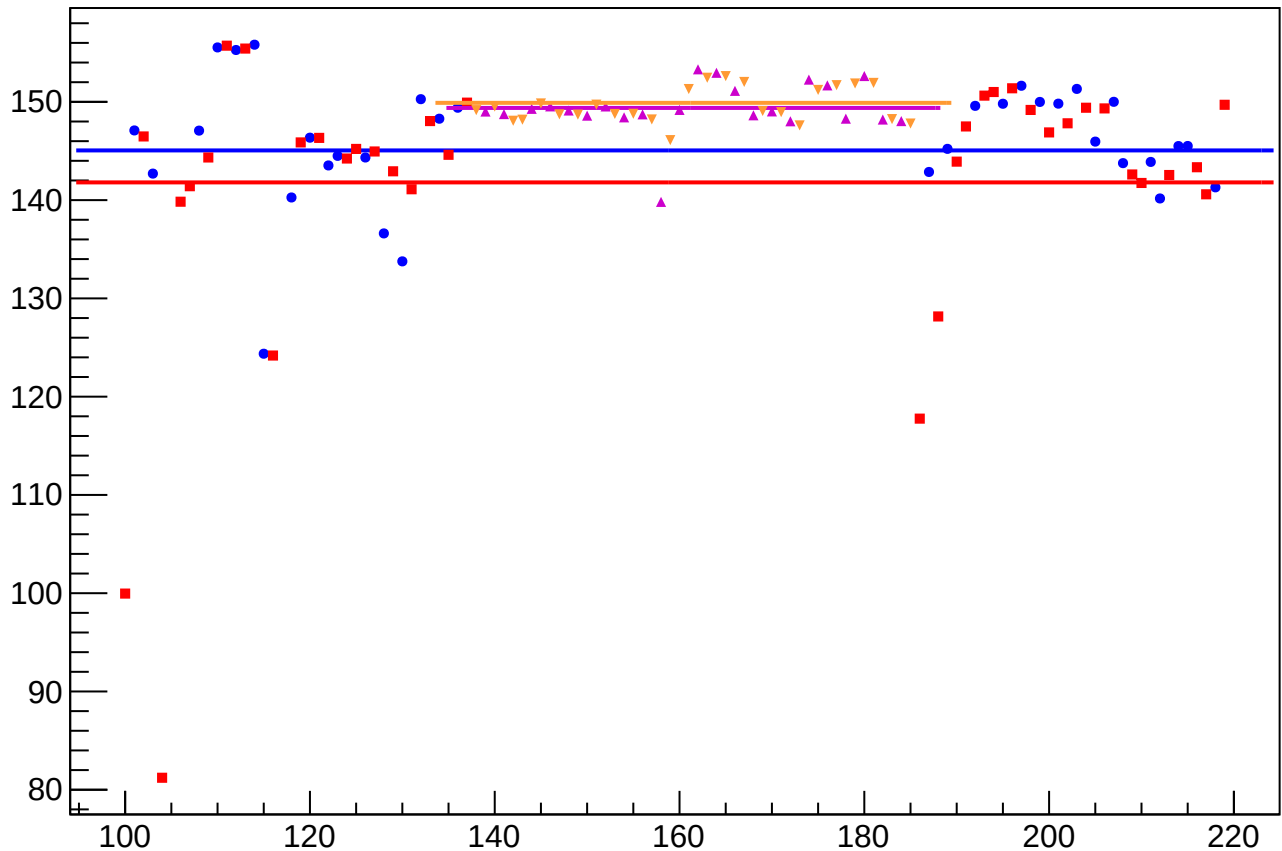
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 56125951.3/57

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 113681068.7/117

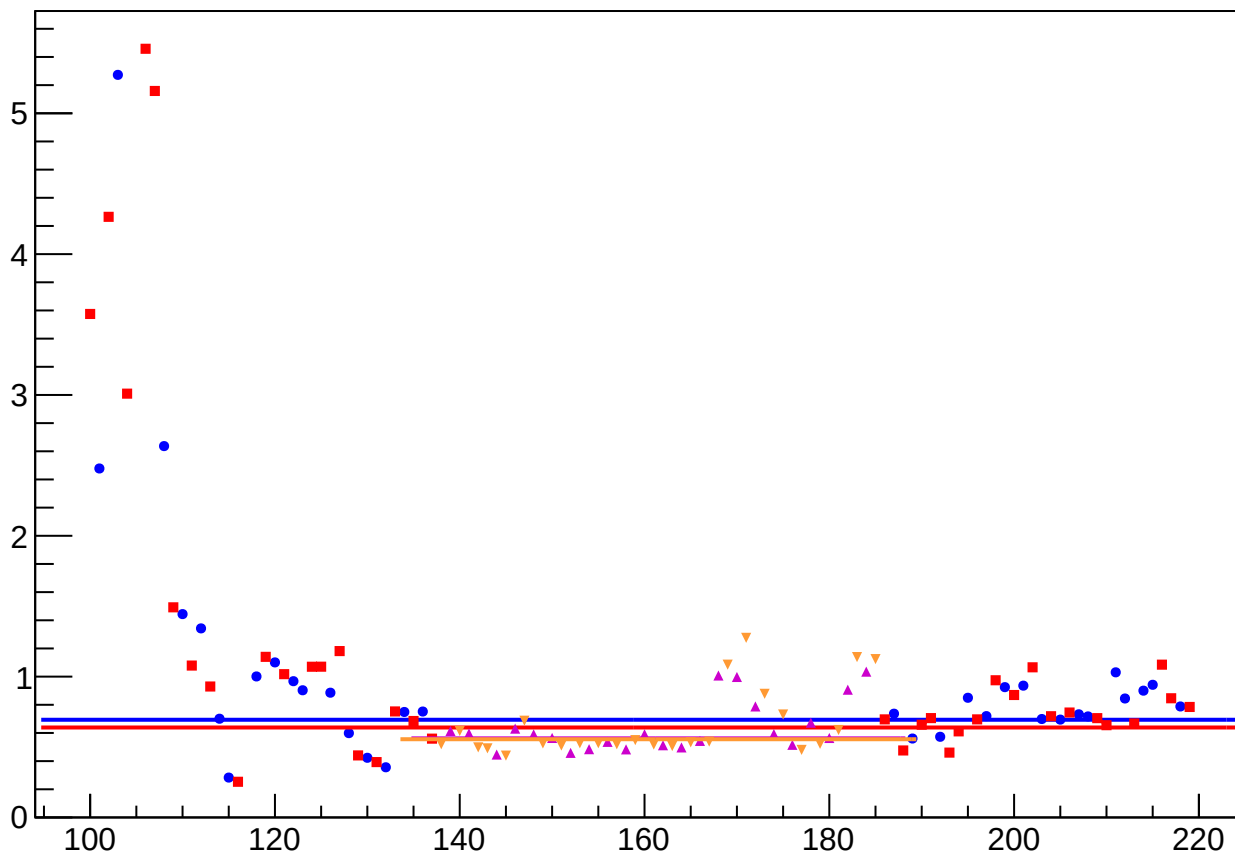
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 57554825.6/59

yield_cav4cQ_mean vs Slug



Right In: 145.058 $\pm$ 0.000	χ^2 /NDF: 1378949416.9/32	+ sign 148.226 $\pm$ 0.000	χ^2 /NDF: 1953117949.6/57
Left Out: 149.900 $\pm$ 0.000	χ^2 /NDF: 162845622.6/24	All: 147.204 $\pm$ 0.000	χ^2 /NDF: 7014921352.2
Right Out: 141.803 $\pm$ 0.000	χ^2 /NDF: 3337466648.6/36	- sign 146.225 $\pm$ 0.000	χ^2 /NDF: 4903157280.5/59
Left In: 149.382 $\pm$ 0.000	χ^2 /NDF: 434657827.5/22		

yield_cav4cQ_rms vs Slug



Right In: 0.694 ± 0.000 χ^2/NDF : 4415753.7/32

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773688.1/24

Right Out: 0.639 ± 0.000 χ^2/NDF : 5959216.2/36

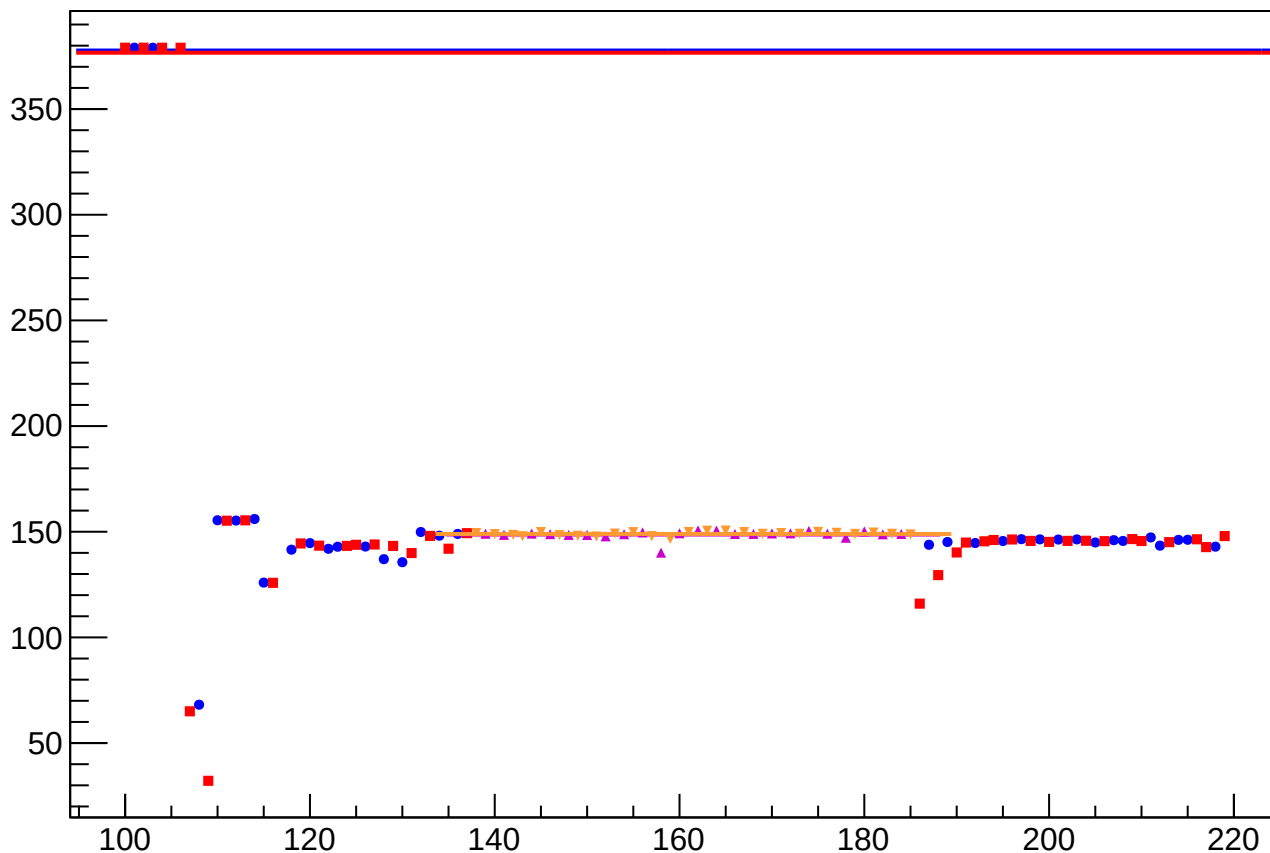
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.603 ± 0.000 χ^2/NDF : 6859925.8/57

All: 0.598 ± 0.000 χ^2/NDF : 14365333.1/117

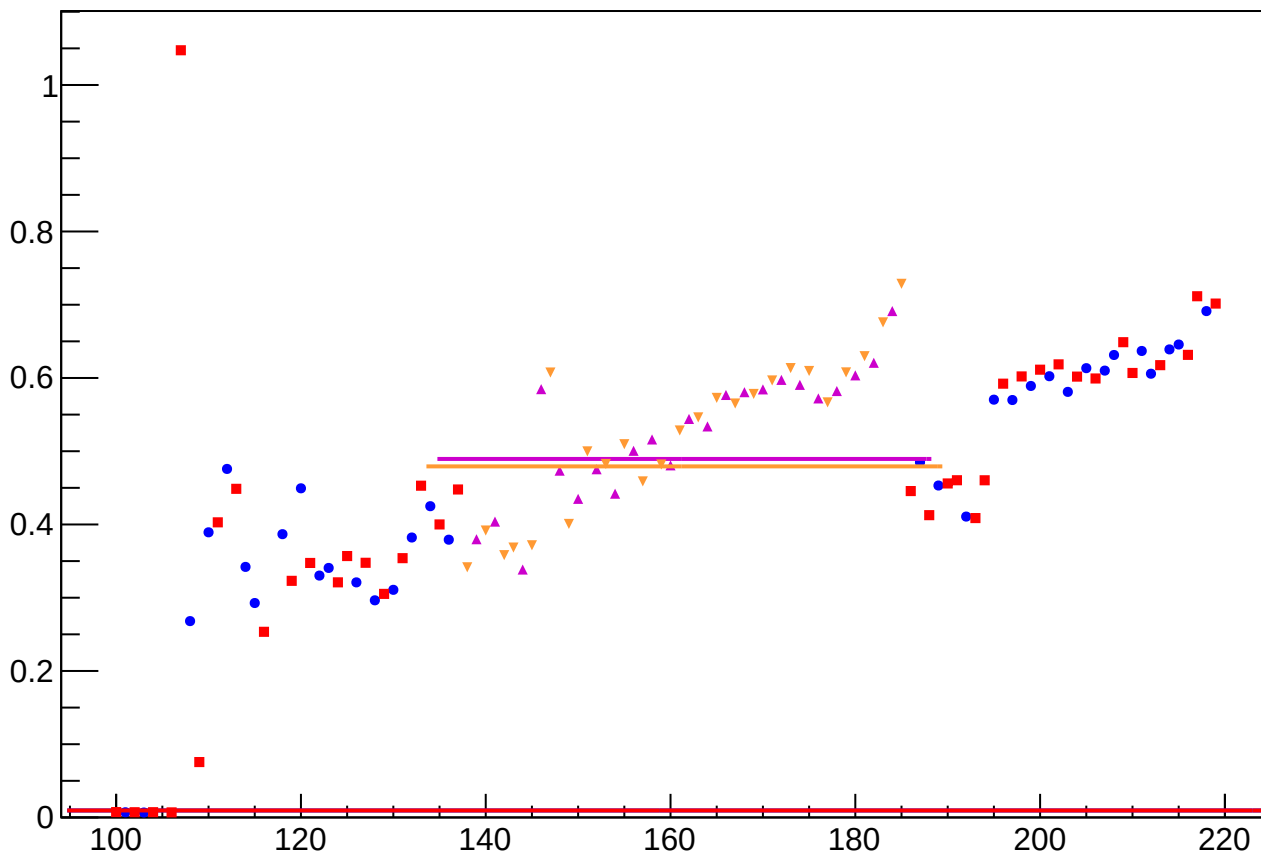
- sign 0.594 ± 0.000 χ^2/NDF : 7498351.7/59

yield_cav4dQ_mean vs Slug



Right In: 377.698 $\pm$ 0.000	χ^2 /NDF: 4320903241147.4/32	+ sign 376.425 $\pm$ 0.000	χ^2 /NDF: 8208253615021.6
Left Out: 148.944 $\pm$ 0.000	χ^2 /NDF: 63976941.3/24	All: 376.012 $\pm$ 0.000	χ^2 /NDF: 222502748133
Right Out: 376.669 $\pm$ 0.000	χ^2 /NDF: 10497970761509.3/36	- sign 375.649 $\pm$ 0.000	χ^2 /NDF: 14037716465090.1
Left In: 148.672 $\pm$ 0.000	χ^2 /NDF: 252846428.3/22		

yield_cav4dQ_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 31428949.3/32

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1516566.1/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 33032933.1/36

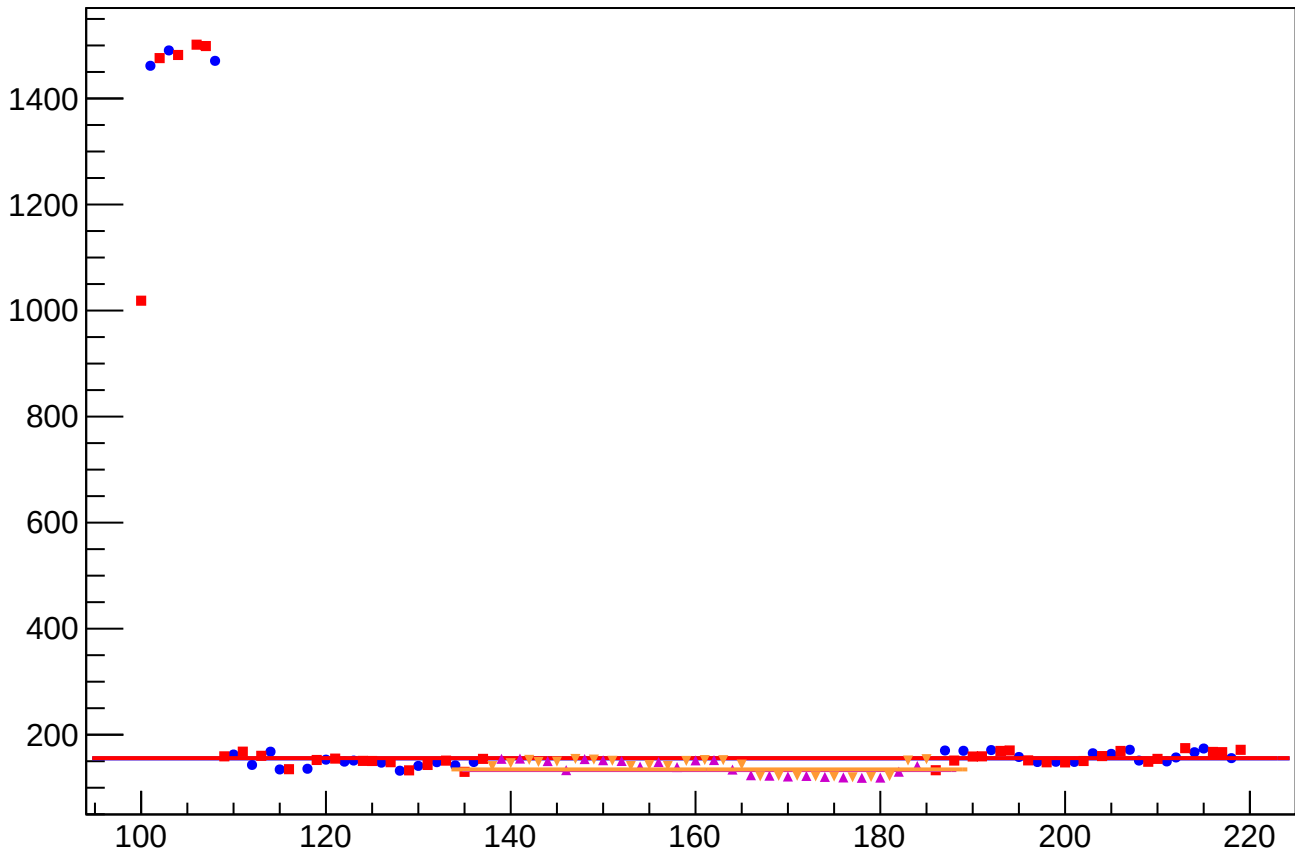
Left In: 0.489 $\pm$ 0.000 χ^2 /NDF:1076134.2/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 65732780.4/57

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 131209903.8/117

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 65474162.3/59

yield_bcm0l02_mean vs Slug



Right In: 155.282+/-0.000 χ^2/NDF : 26182129662.6/32

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 155.858+/-0.000 χ^2/NDF : 35434373341.9/36

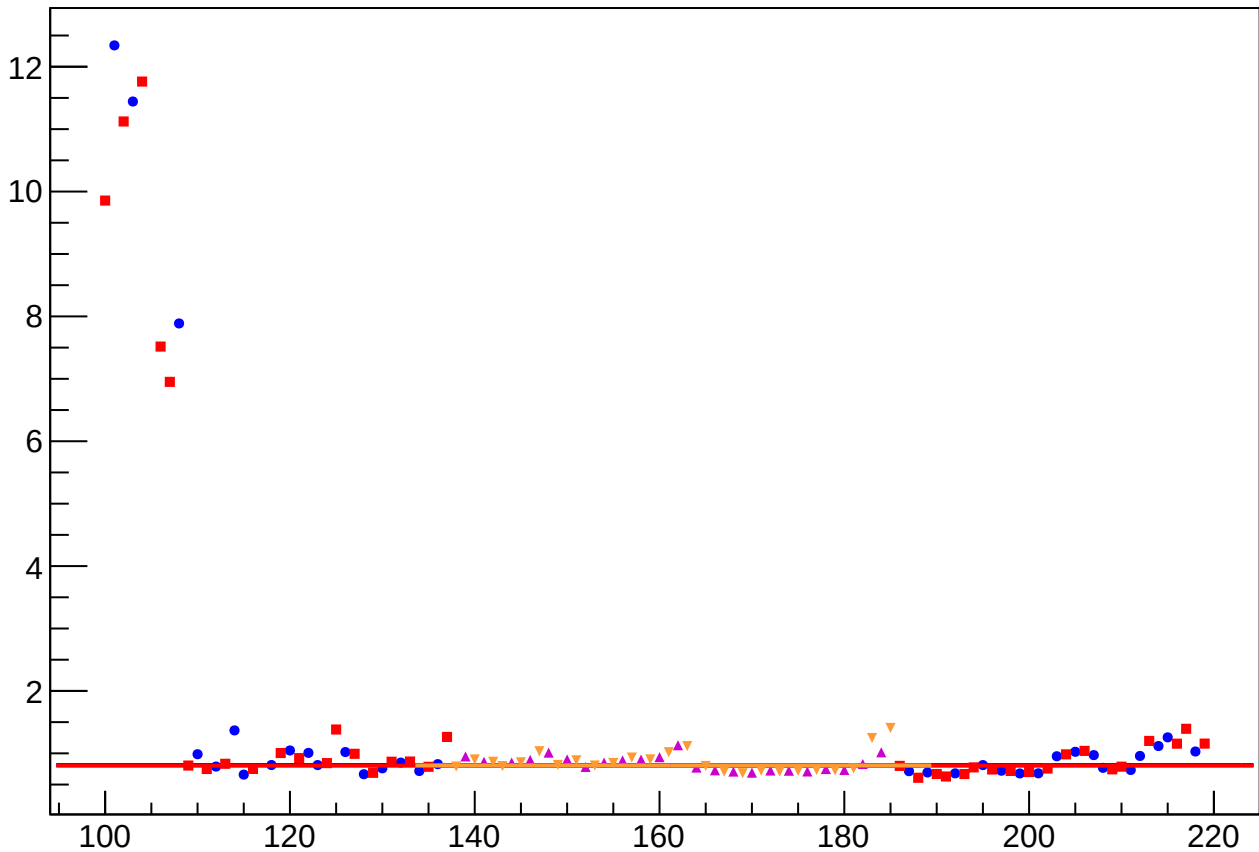
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 144.107+/-0.000 χ^2/NDF : 35254392578.0/57

All: 144.281+/-0.000 χ^2/NDF : 80687527289.0

- sign 144.452+/-0.000 χ^2/NDF : 45430481301.9/59

yield_bcm0l02_rms vs Slug



Right In: 0.813 ± 0.000 $\chi^2/\text{NDF}: 3362231.7/32$

Left Out: 0.806 ± 0.000 $\chi^2/\text{NDF}: 690578.5/24$

Right Out: 0.802 ± 0.000 $\chi^2/\text{NDF}: 3925262.7/36$

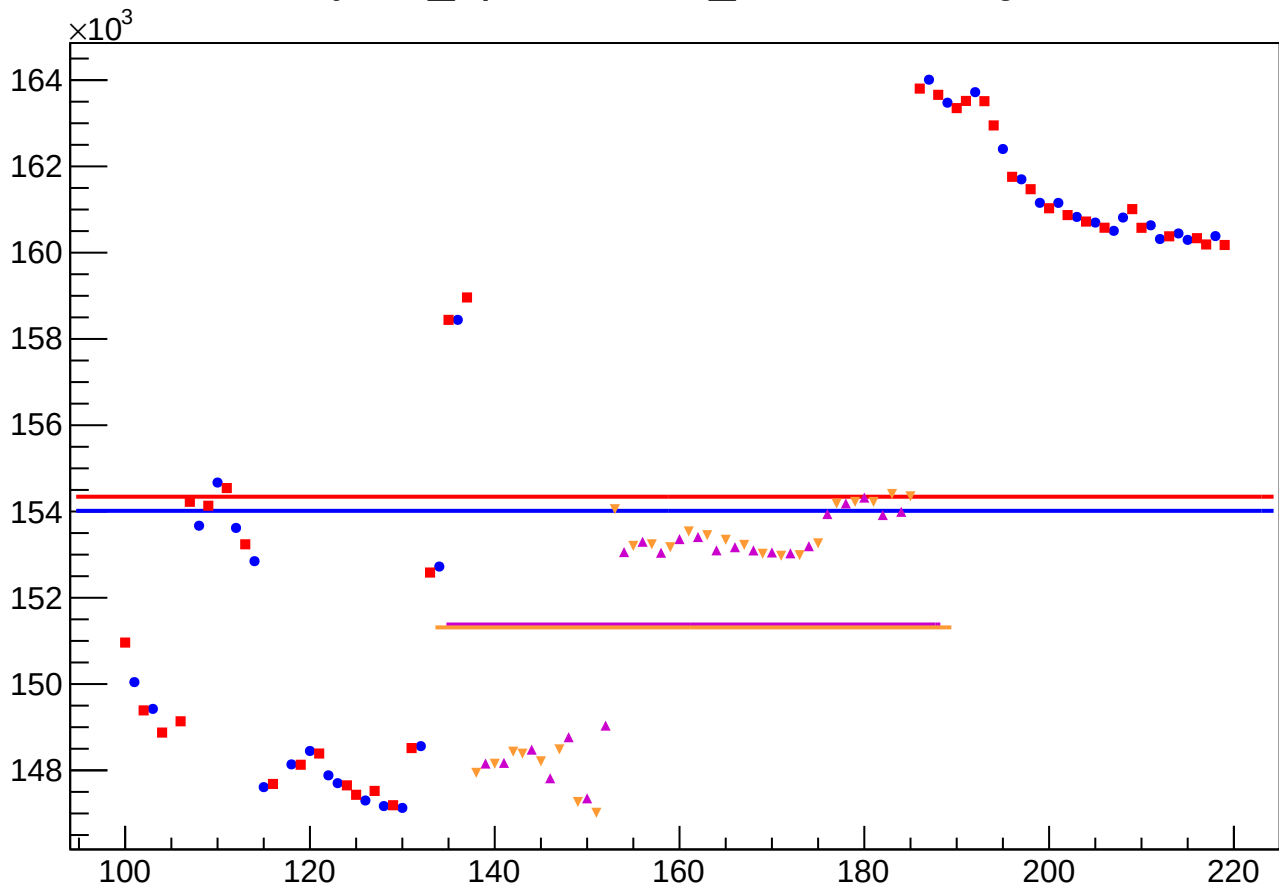
Left In: 0.805 ± 0.000 $\chi^2/\text{NDF}: 480510.8/22$

+ sign 0.809 ± 0.000 $\chi^2/\text{NDF}: 4053703.6/57$

All: 0.806 ± 0.000 $\chi^2/\text{NDF}: 8460898.7/117$

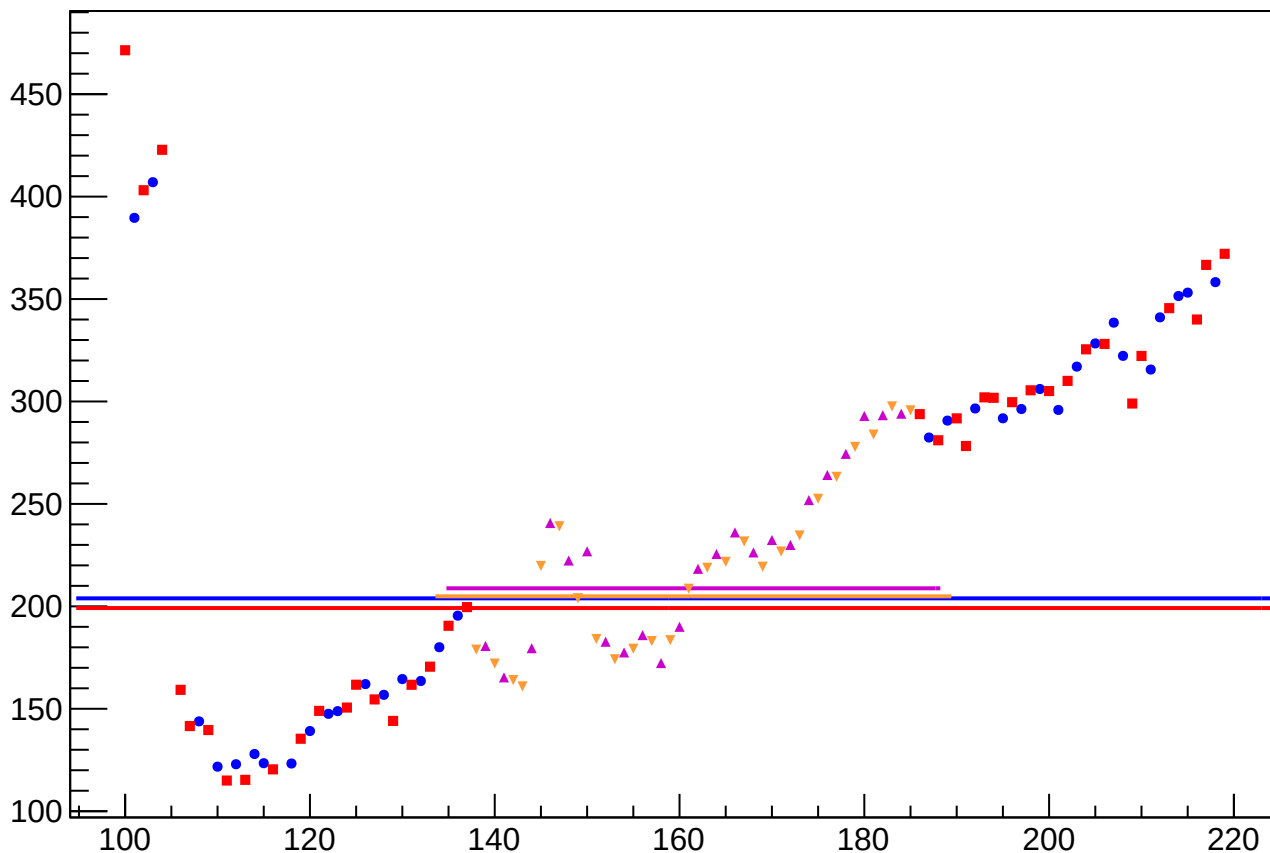
- sign 0.804 ± 0.000 $\chi^2/\text{NDF}: 4405890.3/59$

yield_bpm0i01WS_mean vs Slug



Right In: 154015.391+/-0.052	χ^2/NDF : 12401926442.8/32	+ sign 152566.326+/-0.036	χ^2/NDF : 16984239713.9
Left Out: 151313.284+/-0.049	χ^2/NDF : 3153768134.8/24	All: 152736.164+/-0.025	χ^2/NDF : 342831458.9
Right Out: 154342.773+/-0.050	χ^2/NDF : 13164636782.8/36	- sign 152905.976+/-0.036	χ^2/NDF : 17253521387.9
Left In: 151380.236+/-0.051	χ^2/NDF : 2363895785.3/22		

yield_bpm0i01WS_rms vs Slug



Right In: 203.906 $\pm$ 0.037 χ^2 /NDF: 5464587.6/32

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 199.168 $\pm$ 0.035 χ^2 /NDF: 6064589.8/36

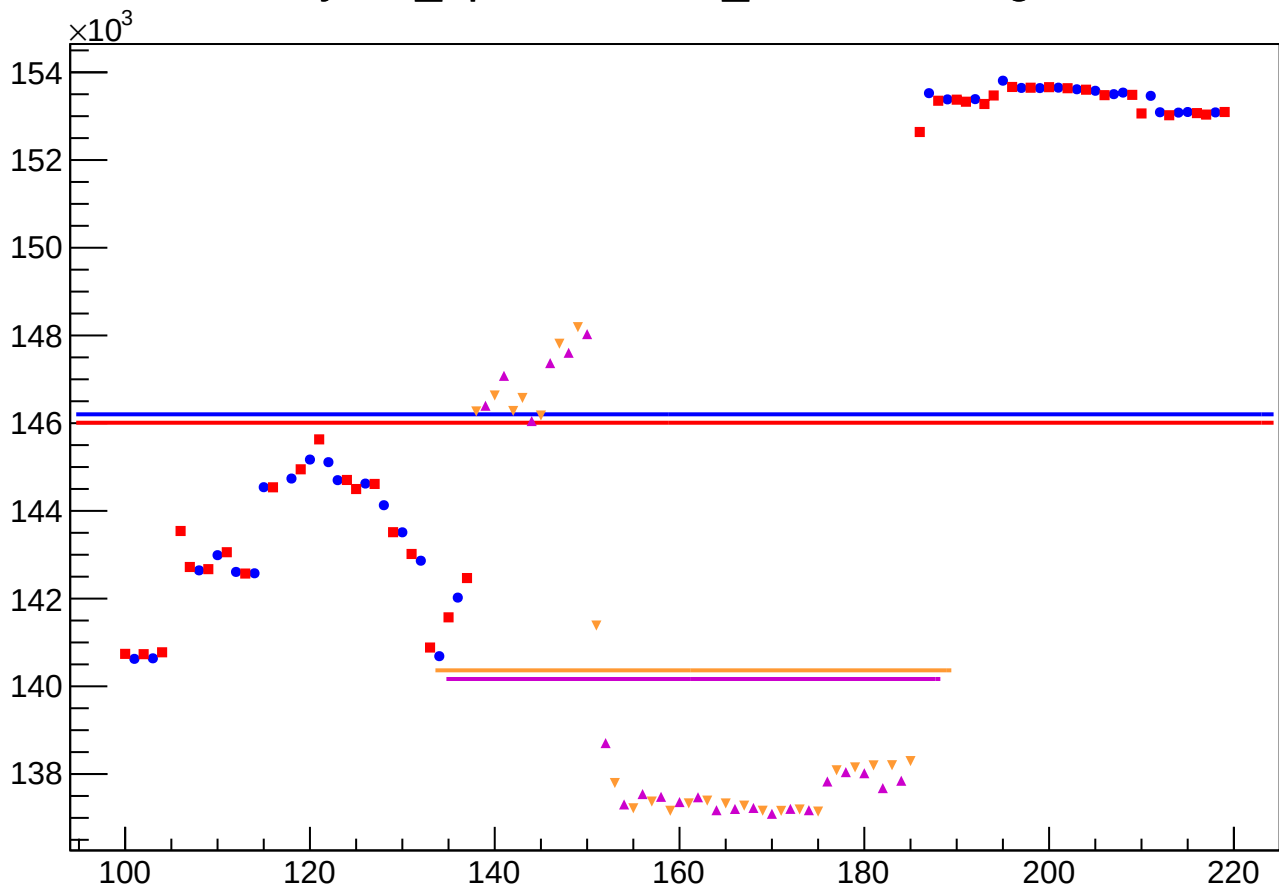
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 204.439 $\pm$ 0.025 χ^2 /NDF: 6521354.7/57

All: 204.142 $\pm$ 0.018 χ^2 /NDF: 13624725.2/1

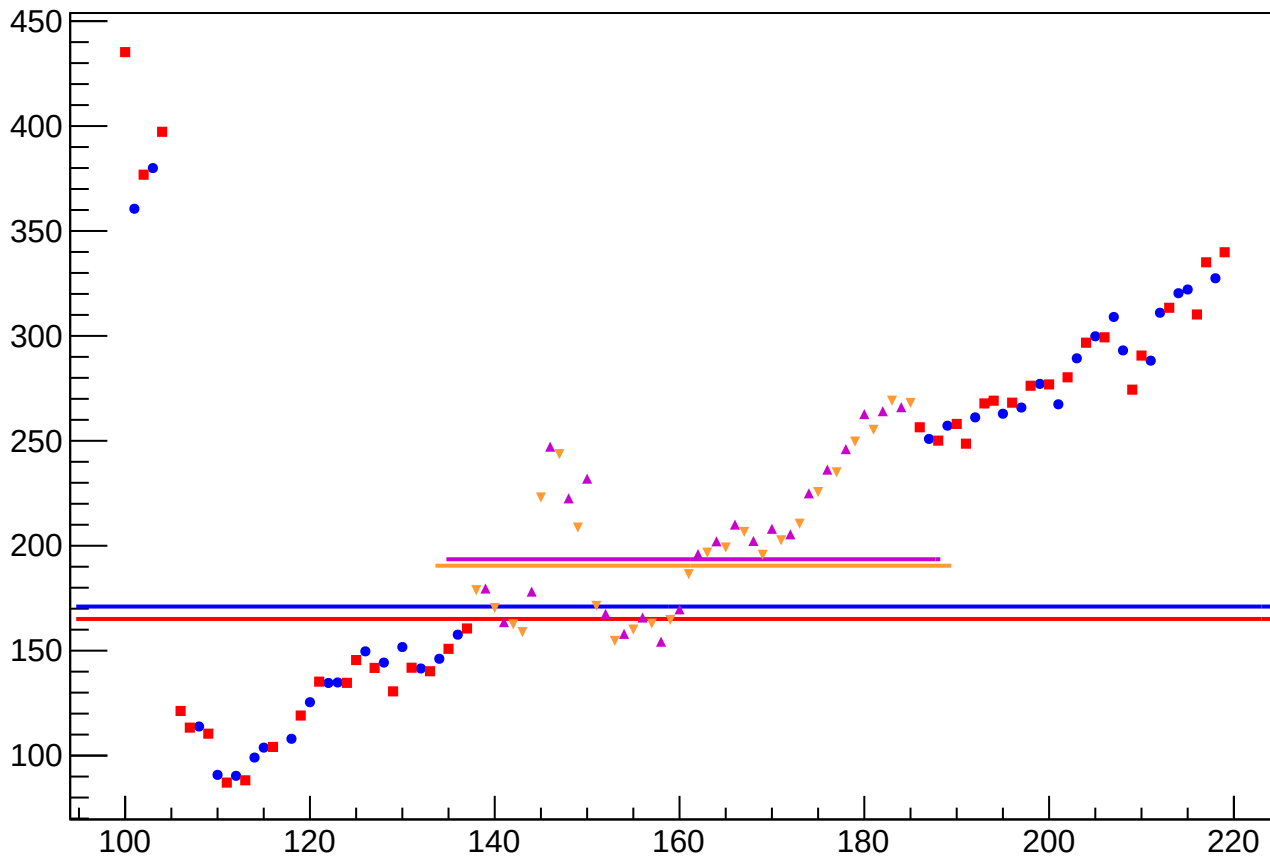
- sign 203.845 $\pm$ 0.025 χ^2 /NDF: 7103093.4/59

yield_bpm0i01aWS_mean vs Slug



Right In: 146201.996 $\pm$ 0.045 χ^2 /NDF: 10716856782.0/32
 Left Out: 140364.444 $\pm$ 0.045 χ^2 /NDF: 8677078677.7/24
 Right Out: 146009.881 $\pm$ 0.042 χ^2 /NDF: 12012774559.3/36
 Left In: 140166.971 $\pm$ 0.047 χ^2 /NDF: 8028464654.6/22

yield_bpm0i01aWS_rms vs Slug



Right In: 171.021+/-0.032 χ^2/NDF : 6699791.6/32

Left Out: 190.486+/-0.032 χ^2/NDF : 950233.2/24

Right Out: 165.108+/-0.030 χ^2/NDF : 7445100.3/36

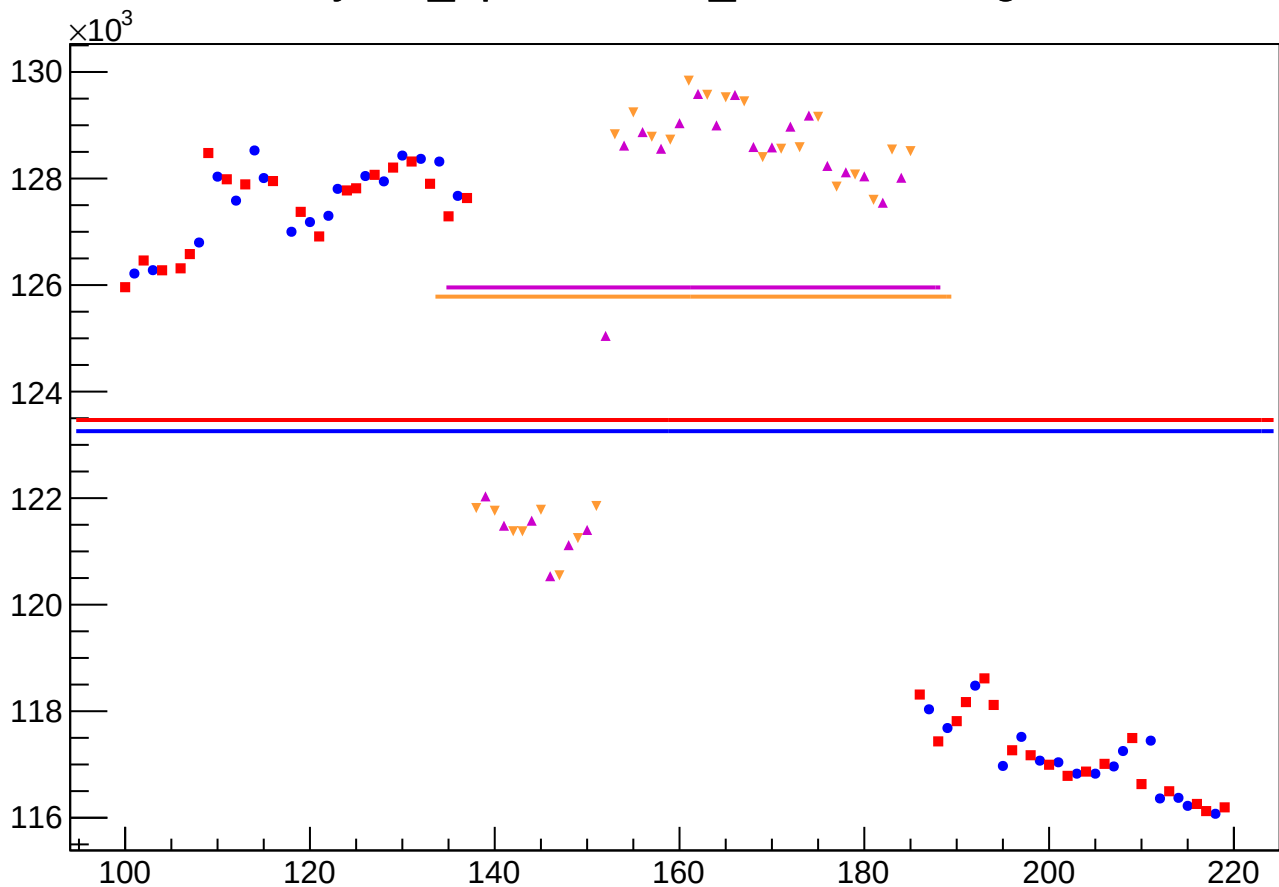
Left In: 193.558+/-0.034 χ^2/NDF : 963675.0/22

+ sign 180.667+/-0.023 χ^2/NDF : 7836961.7/57

All: 179.109+/-0.016 χ^2/NDF : 16658758.0/11

- sign 177.590+/-0.022 χ^2/NDF : 8812330.9/59

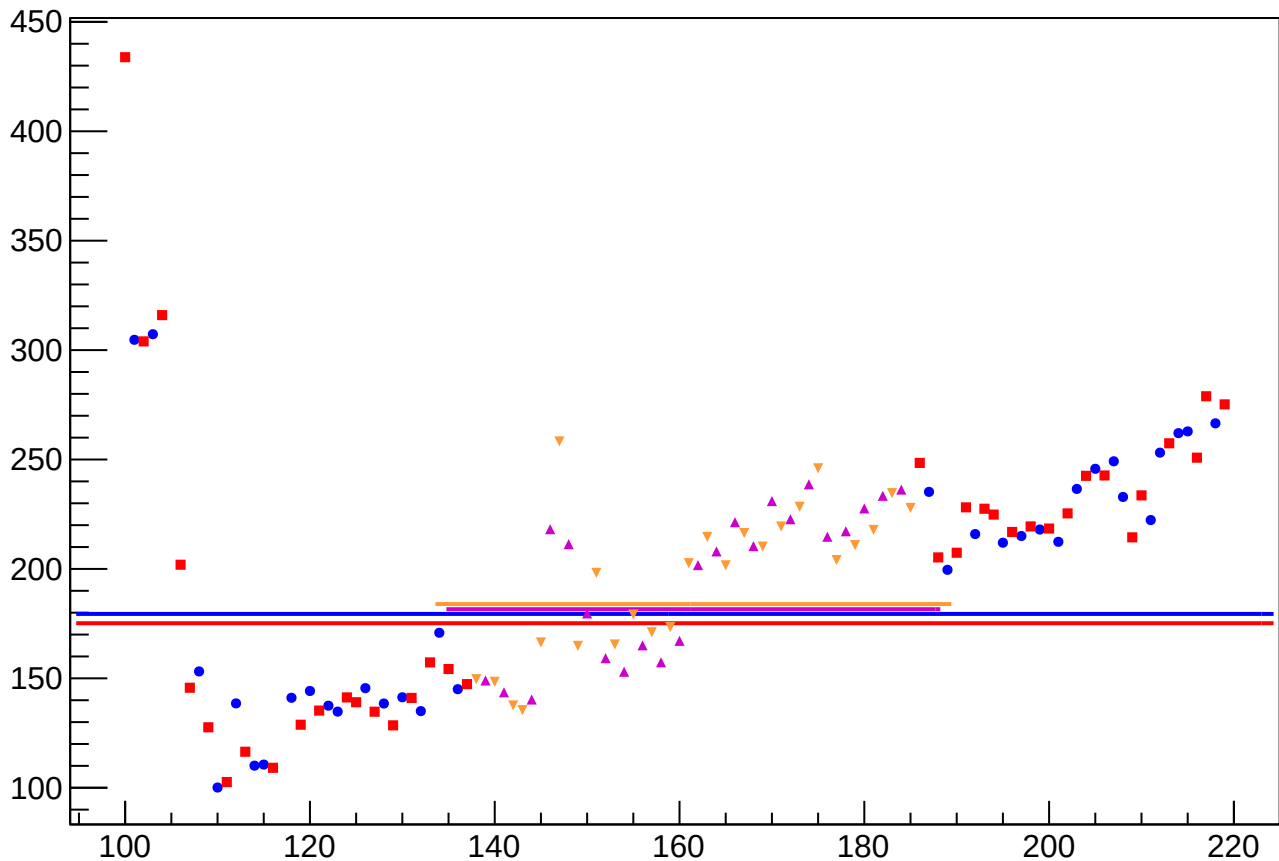
yield_bpm0l01WS_mean vs Slug



Right In: 123257.432 $\pm$ 0.044 χ^2 /NDF: 14115283428.4/32
 Left Out: 125782.764 $\pm$ 0.044 χ^2 /NDF: 6729761889.8/24
 Right Out: 123466.907 $\pm$ 0.042 χ^2 /NDF: 15270202829.3/36
 Left In: 125955.637 $\pm$ 0.045 χ^2 /NDF: 5804088930.1/22

+ sign 124529.475 $\pm$ 0.031 χ^2 /NDF: 22479591470.8
 All: 124582.462 $\pm$ 0.022 χ^2 /NDF: 451984628
 - sign 124633.589 $\pm$ 0.031 χ^2 /NDF: 22713215276.1

yield_bpm0l01WS_rms vs Slug



Right In: 179.442 $\pm$ 0.031 χ^2 /NDF: 2927249.5/32

Left Out: 183.947 $\pm$ 0.031 χ^2 /NDF:1123194.0/24

Right Out: 175.187 $\pm$ 0.030 χ^2 /NDF: 3558772.1/36

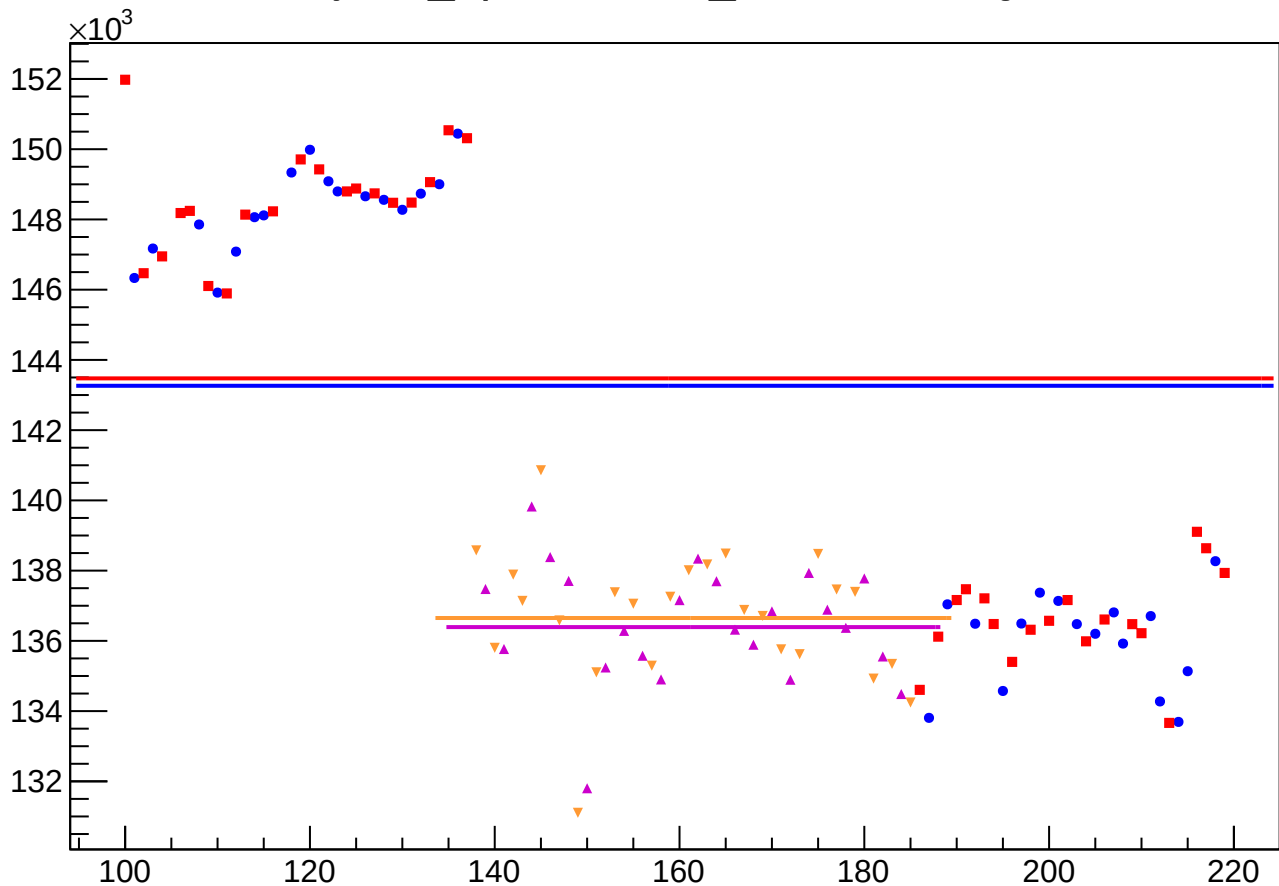
Left In: 181.596 $\pm$ 0.032 χ^2 /NDF:1103524.3/22

+ sign 181.711 $\pm$ 0.022 χ^2 /NDF: 4060843.9/57

All: 179.920 $\pm$ 0.015 χ^2 /NDF: 8757805.1/117

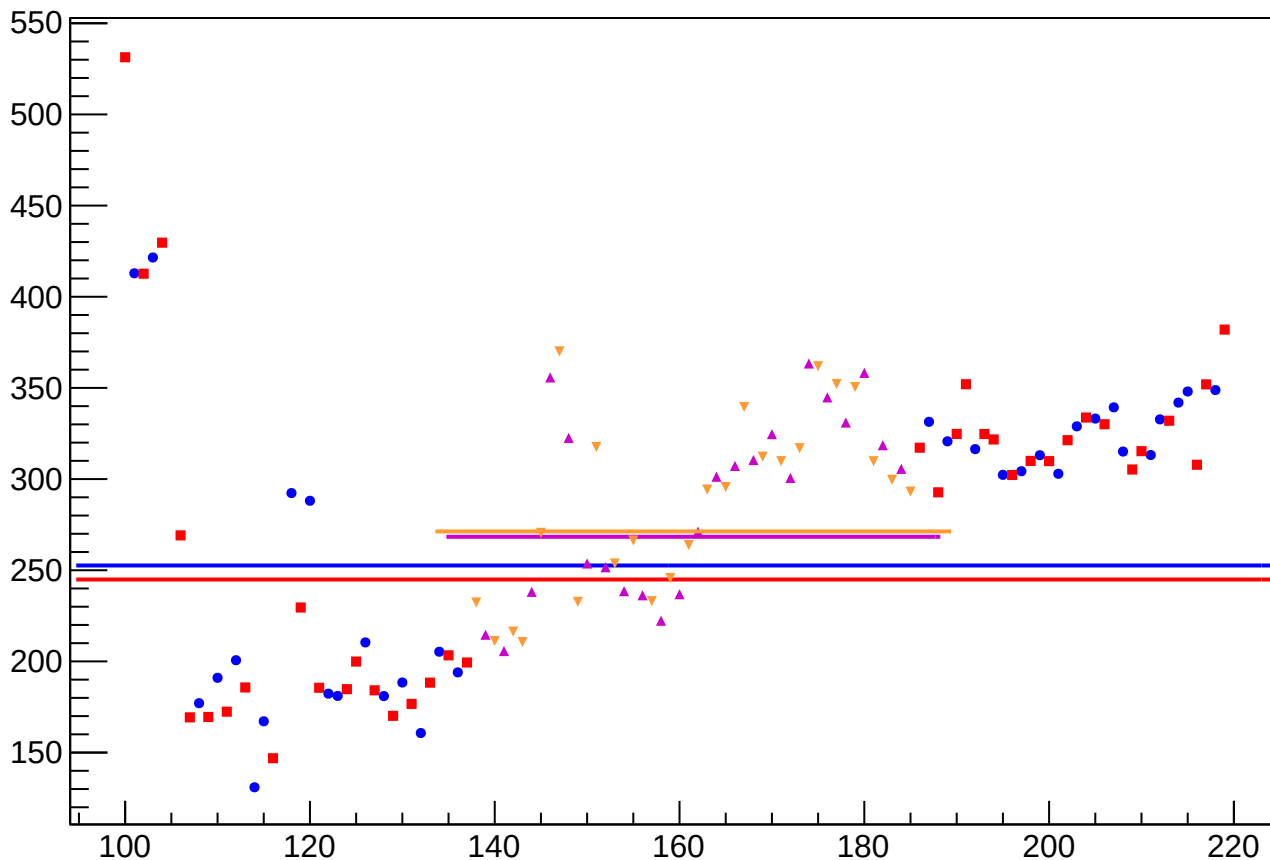
- sign 178.191 $\pm$ 0.022 χ^2 /NDF: 4684031.5/59

yield_bpm0l02WS_mean vs Slug



Right In: 143263.429 $\pm$ 0.062	χ^2 /NDF: 9989191718.1/32	+ sign 140076.804 $\pm$ 0.045	χ^2 /NDF: 16343888098.
Left Out: 136650.935 $\pm$ 0.065	χ^2 /NDF: 930649595.5/24	All: 140214.503 $\pm$ 0.031	χ^2 /NDF: 336589231
Right Out: 143474.234 $\pm$ 0.059	χ^2 /NDF: 10160020445.9/36	- sign 140346.010 $\pm$ 0.044	χ^2 /NDF: 17296617200.9
Left In: 136392.188 $\pm$ 0.066	χ^2 /NDF: 701986841.4/22		

yield_bpm0l02WS_rms vs Slug



Right In: 252.608+/-0.044 χ^2/NDF : 2865080.1/32

Left Out: 271.295+/-0.046 χ^2/NDF :1064485.7/24

Right Out: 244.919+/-0.041 χ^2/NDF : 3269637.2/36

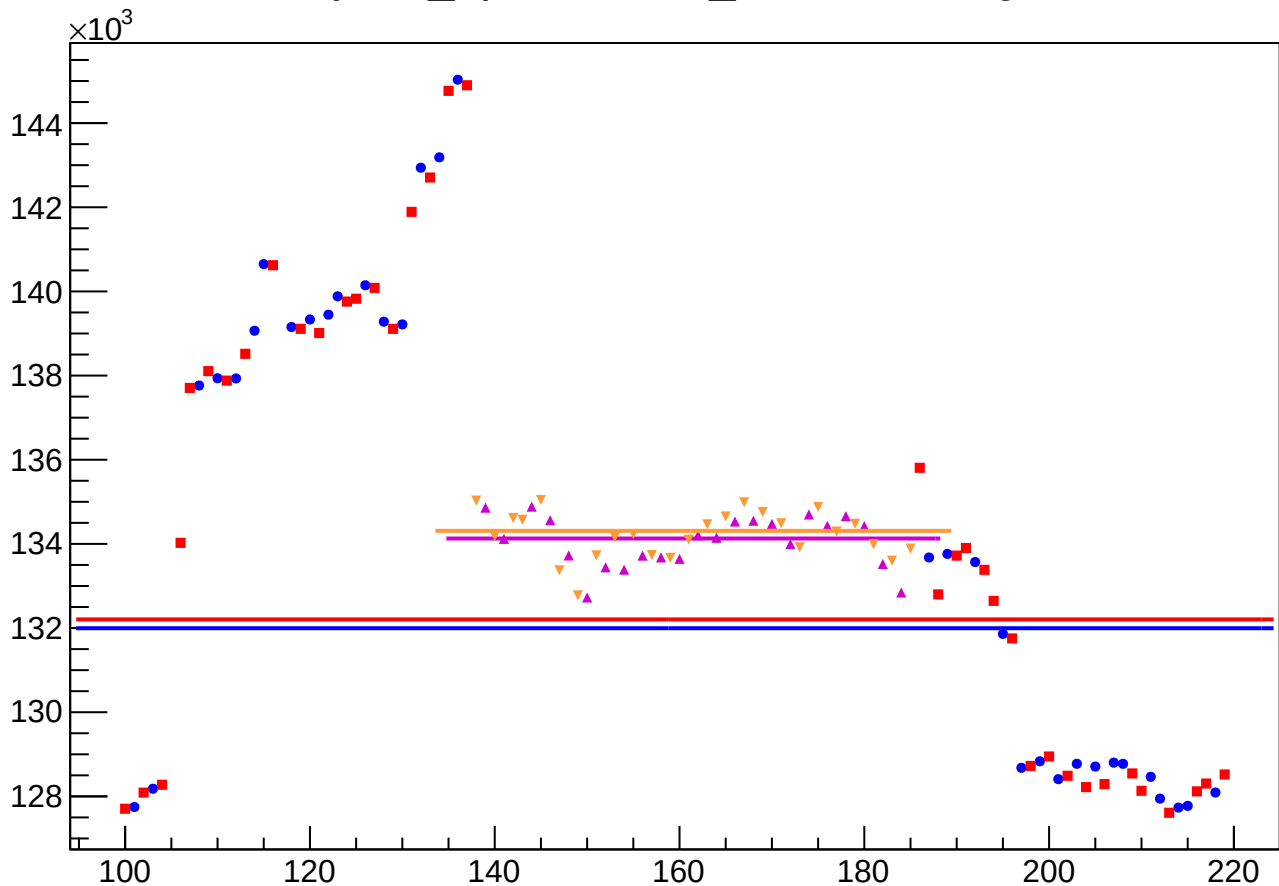
Left In: 268.344+/-0.047 χ^2/NDF :1077364.0/22

+ sign 261.614+/-0.032 χ^2/NDF : 4016204.0/57

All: 258.367+/-0.022 χ^2/NDF : 8524472.7/117

- sign 255.266+/-0.031 χ^2/NDF : 4487789.8/59

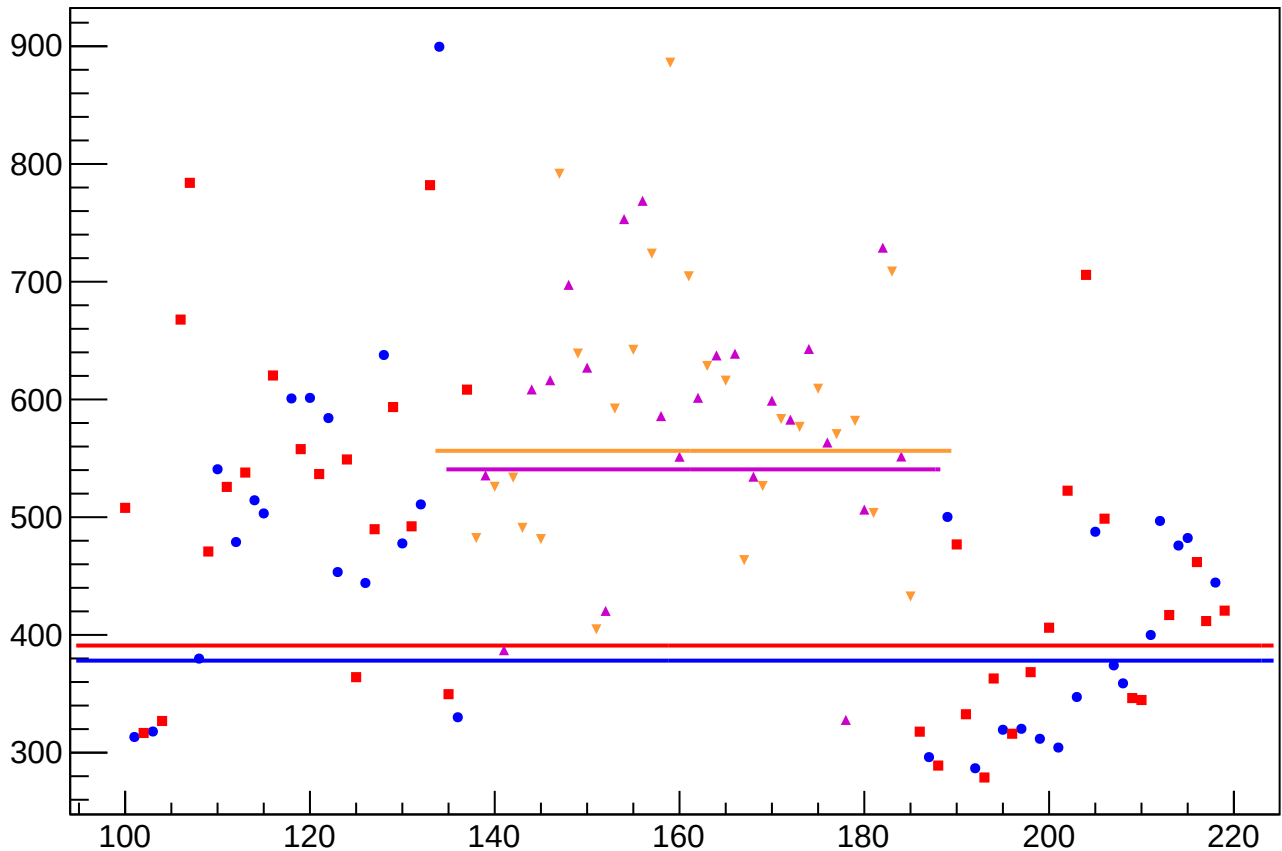
yield_bpm0l03WS_mean vs Slug



Right In: 131995.990 ± 0.100 $\chi^2/\text{NDF}: 2840730542.1/32$
 Left Out: 134310.250 ± 0.139 $\chi^2/\text{NDF}: 15518632.9/24$
 Right Out: 132206.126 ± 0.101 $\chi^2/\text{NDF}: 2109145899.7/36$
 Left In: 134128.172 ± 0.142 $\chi^2/\text{NDF}: 15533736.2/22$

+ sign 132790.781 ± 0.081 $\chi^2/\text{NDF}: 3039418109.8/32$
 All: 132821.349 ± 0.058 $\chi^2/\text{NDF}: 528597594.1/100$
 - sign 132852.798 ± 0.082 $\chi^2/\text{NDF}: 2246270299.9/100$

yield_bpm0l03WS_rms vs Slug



Right In: 378.163 ± 0.071 $\chi^2/\text{NDF}: 1573135.0/32$

Left Out: 556.381 ± 0.098 $\chi^2/\text{NDF}: 1002064.0/24$

Right Out: 390.981 ± 0.071 $\chi^2/\text{NDF}: 1978262.2/36$

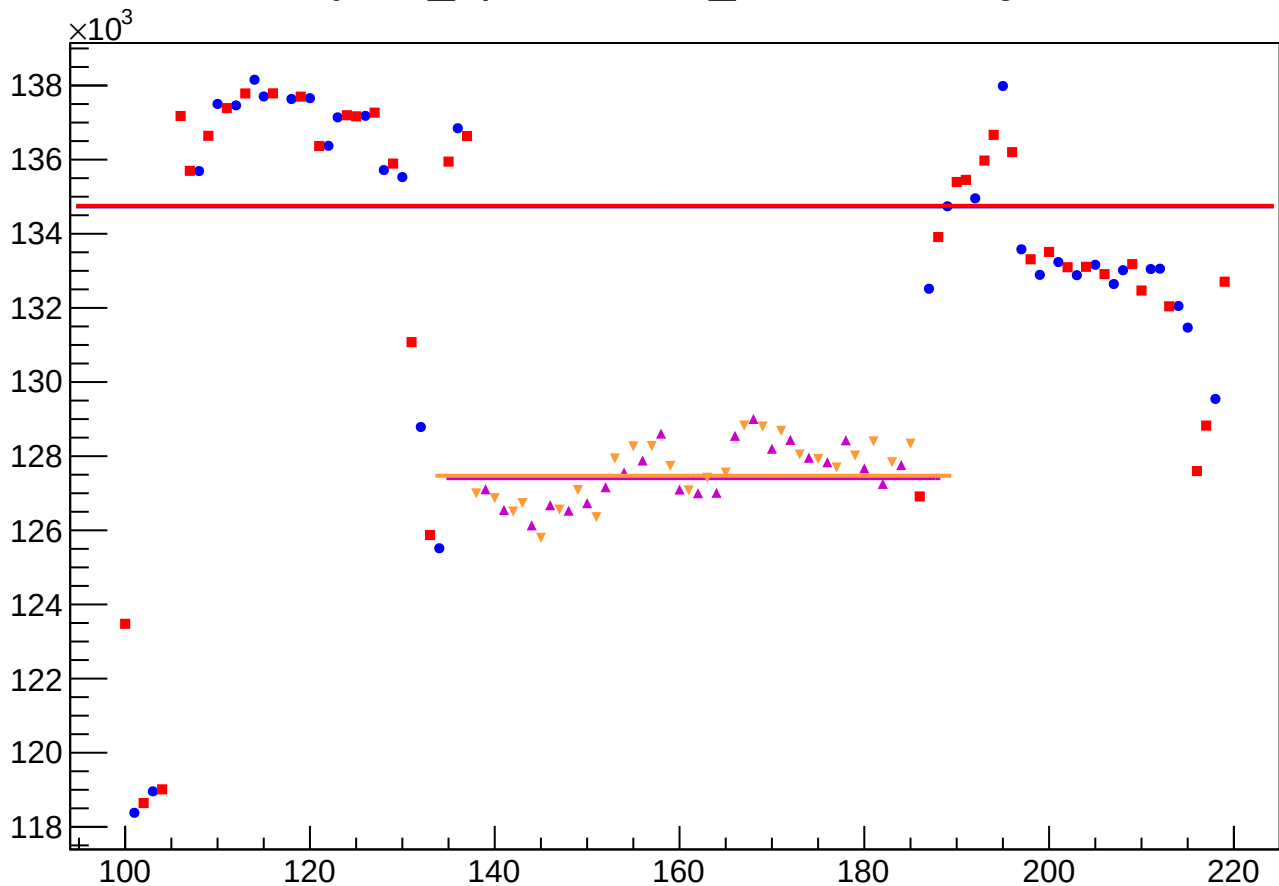
Left In: 540.607 ± 0.100 $\chi^2/\text{NDF}: 1409015.2/22$

+ sign 439.369 ± 0.057 $\chi^2/\text{NDF}: 4747705.6/57$

All: 440.332 ± 0.041 $\chi^2/\text{NDF}: 9609279.4/117$

- sign 441.323 ± 0.058 $\chi^2/\text{NDF}: 4861003.3/59$

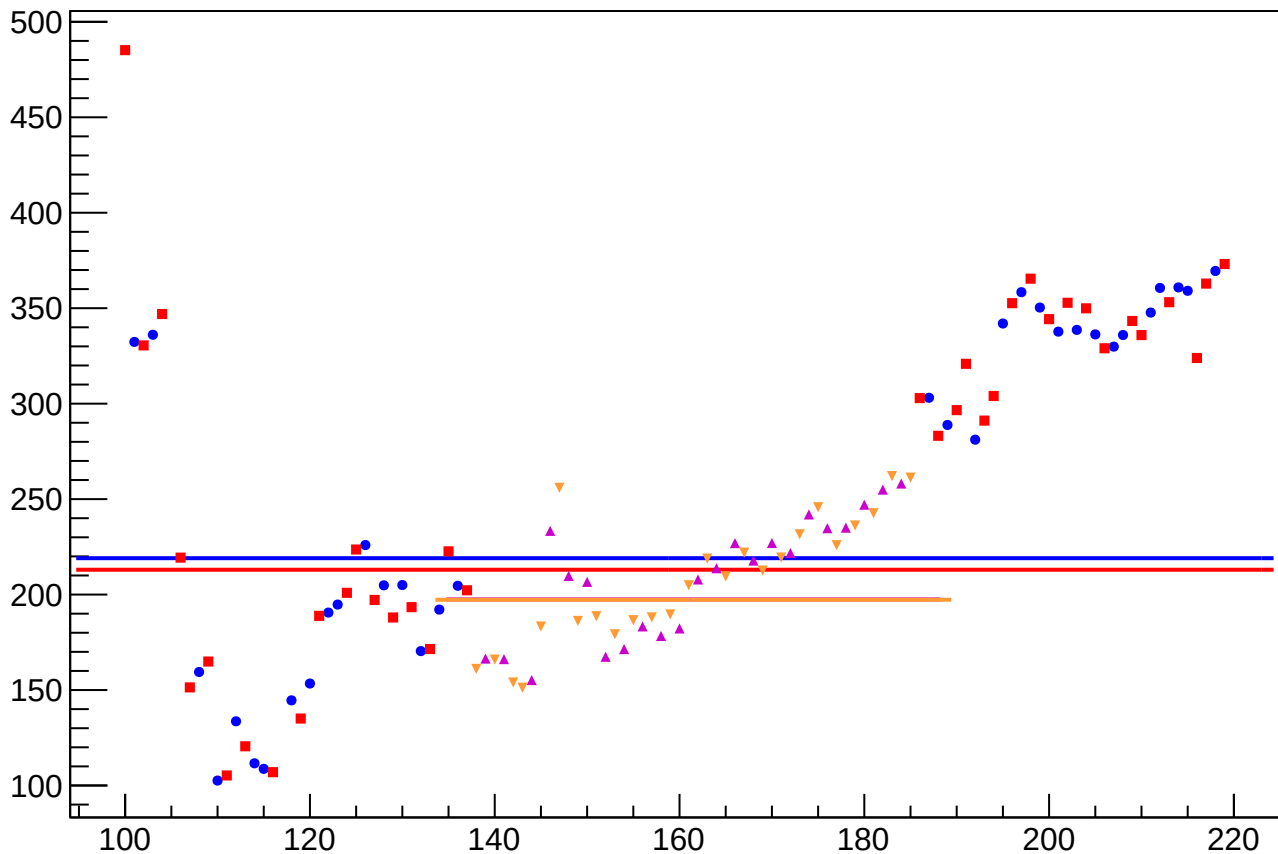
yield_bpm0l04WS_mean vs Slug



Right In: 134738.211 $\pm$ 0.056 χ^2 /NDF: 5176860874.4/32
 Left Out: 127472.525 $\pm$ 0.047 χ^2 /NDF: 303609315.6/24
 Right Out: 134755.591 $\pm$ 0.053 χ^2 /NDF: 5901952812.3/36
 Left In: 127406.911 $\pm$ 0.048 χ^2 /NDF: 269927988.0/22

+ sign 130440.500 $\pm$ 0.036 χ^2 /NDF: 15302712668.
 All: 130586.420 $\pm$ 0.025 χ^2 /NDF: 319488344.
 - sign 130730.379 $\pm$ 0.036 χ^2 /NDF: 16613549760.9

yield_bpm0l04WS_rms vs Slug



Right In: 219.061 ± 0.040 $\chi^2/\text{NDF}: 5392752.2/32$

Left Out: 197.289 ± 0.033 $\chi^2/\text{NDF}: 852024.1/24$

Right Out: 213.008 ± 0.038 $\chi^2/\text{NDF}: 6025719.6/36$

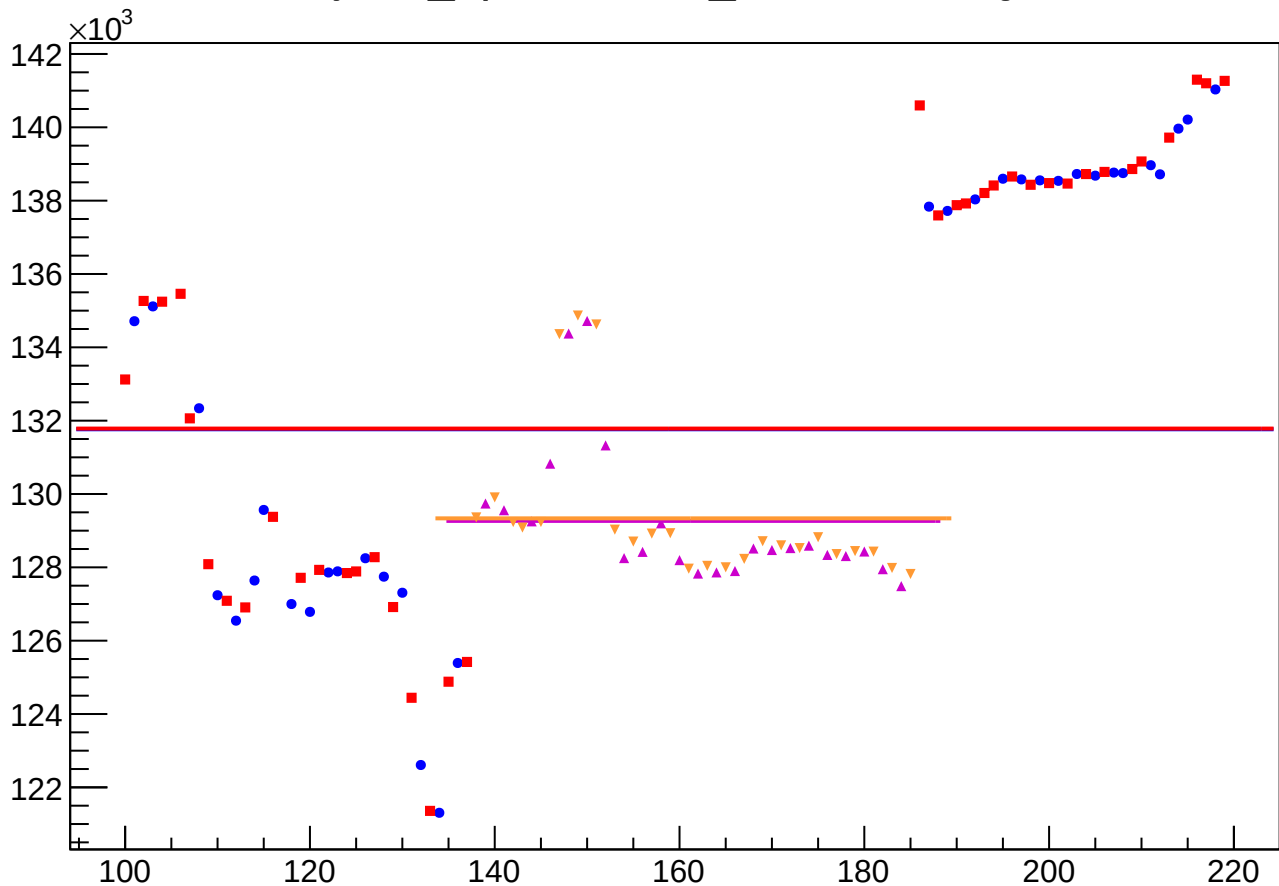
Left In: 197.471 ± 0.034 $\chi^2/\text{NDF}: 791577.5/22$

+ sign 206.183 ± 0.025 $\chi^2/\text{NDF}: 6421173.9/57$

All: 205.335 ± 0.018 $\chi^2/\text{NDF}: 13334027.5/133$

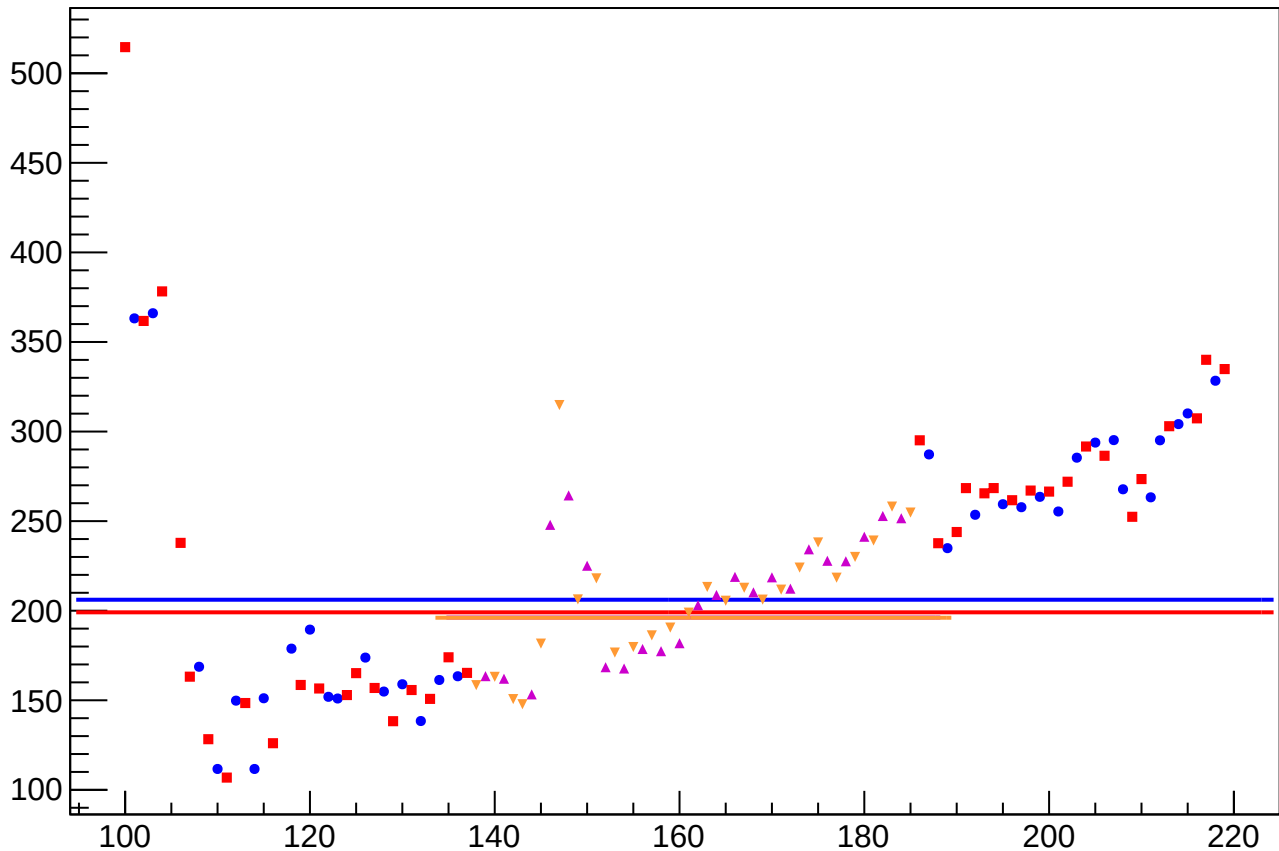
- sign 204.498 ± 0.025 $\chi^2/\text{NDF}: 6910651.9/59$

yield_bpm0l05WS_mean vs Slug



Right In: 131765.336 $\pm$ 0.052 χ^2 /NDF: 14222928232.4/32
 Left Out: 129335.946 $\pm$ 0.047 χ^2 /NDF: 1450933621.0/24
 Right Out: 131784.076 $\pm$ 0.049 χ^2 /NDF: 15446406356.5/36
 Left In: 129266.909 $\pm$ 0.048 χ^2 /NDF: 1213762773.1/22
 + sign 130432.751 $\pm$ 0.035 χ^2 /NDF: 16894227352.
 All: 130474.767 $\pm$ 0.024 χ^2 /NDF: 349129568.
 - sign 130515.757 $\pm$ 0.034 χ^2 /NDF: 18015817497.1

yield_bpm0l05WS_rms vs Slug



Right In: 206.123+/-0.036 χ^2/NDF : 3463766.7/32

Left Out: 196.077+/-0.033 χ^2/NDF : 975710.9/24

Right Out: 199.091+/-0.034 χ^2/NDF : 4337355.3/36

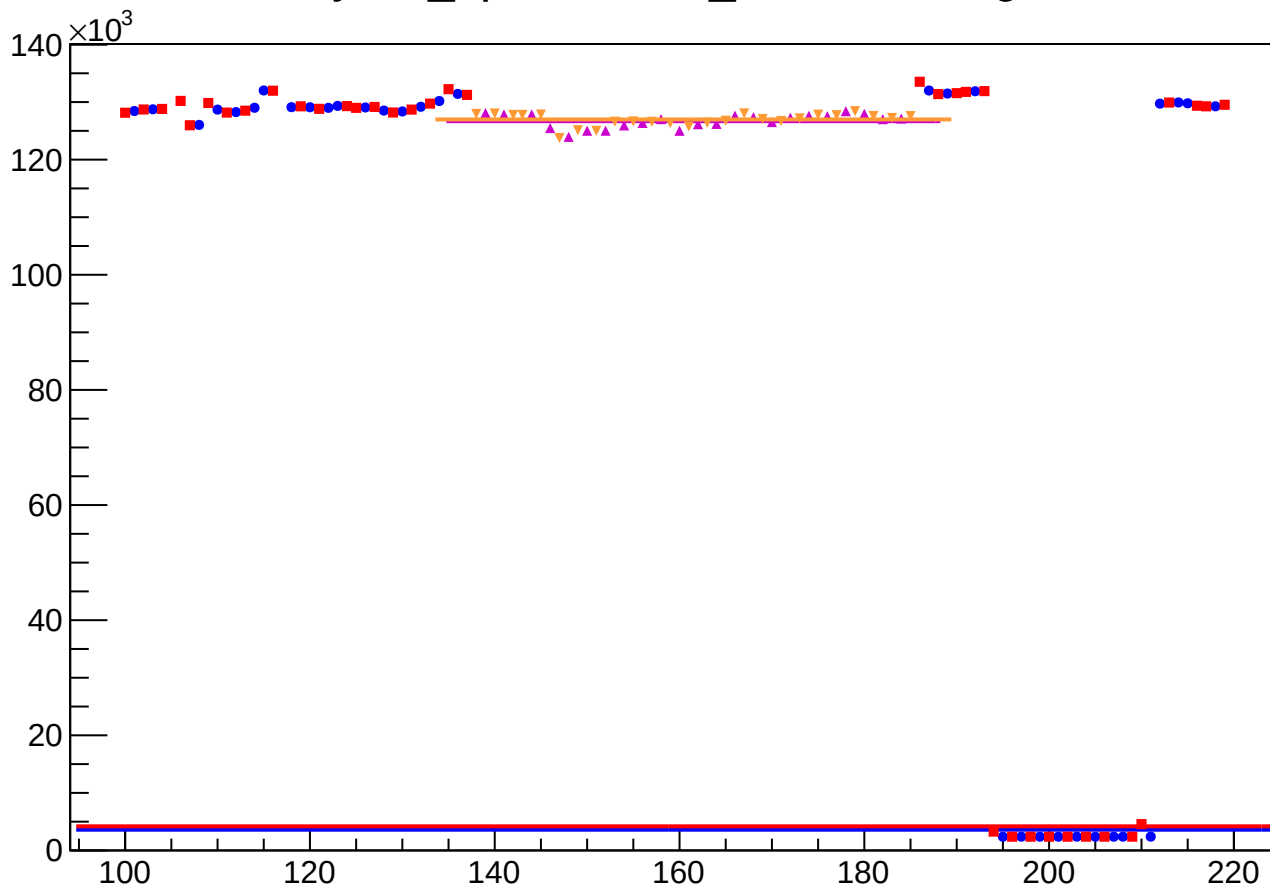
Left In: 196.186+/-0.034 χ^2/NDF : 898058.0/22

+ sign 200.613+/-0.024 χ^2/NDF : 4481211.1/57

All: 199.101+/-0.017 χ^2/NDF : 9727769.1/117

- sign 197.627+/-0.024 χ^2/NDF : 5239023.3/59

yield_bpm0l06WS_mean vs Slug



Right In: 3608.019 ± 0.005 $\chi^2/\text{NDF}: 5425441127516.6/32$

Left Out: 126981.724 ± 0.046 $\chi^2/\text{NDF}: 530573115.8/24$

Right Out: 4191.175 ± 0.006 $\chi^2/\text{NDF}: 6318132932848.7/36$

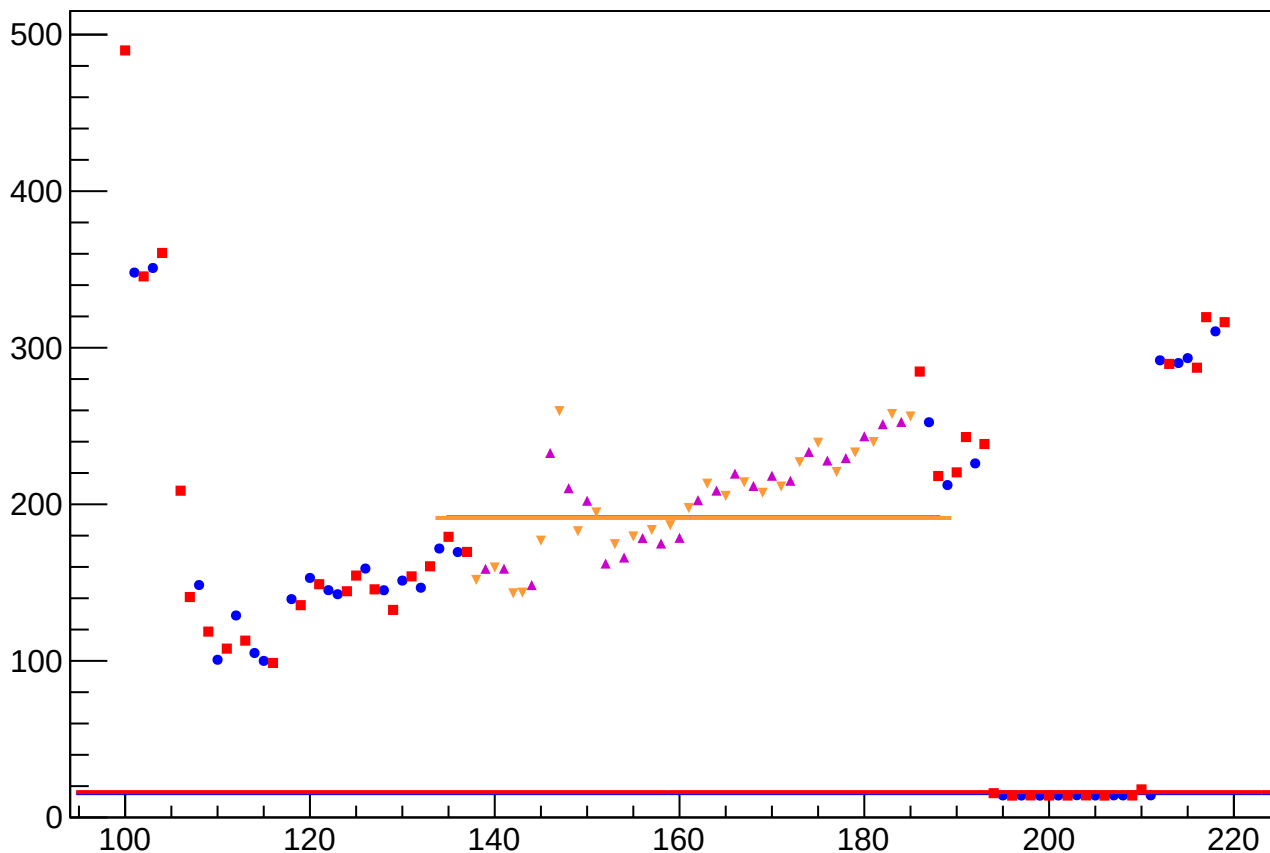
Left In: 126682.659 ± 0.047 $\chi^2/\text{NDF}: 660415880.0/22$

+ sign 5264.687 ± 0.005 $\chi^2/\text{NDF}: 12672325095767$

All: 5623.615 ± 0.004 $\chi^2/\text{NDF}: 25692188187$

- sign 6057.641 ± 0.006 $\chi^2/\text{NDF}: 13009635165341$

yield_bpm0l06WS_rms vs Slug



Right In: 15.536 $\pm$ 0.004 χ^2 /NDF: 18629649.7/32

Left Out: 191.263 $\pm$ 0.032 χ^2 /NDF: 992566.2/24

Right Out: 16.193 $\pm$ 0.004 χ^2 /NDF: 20906074.0/36

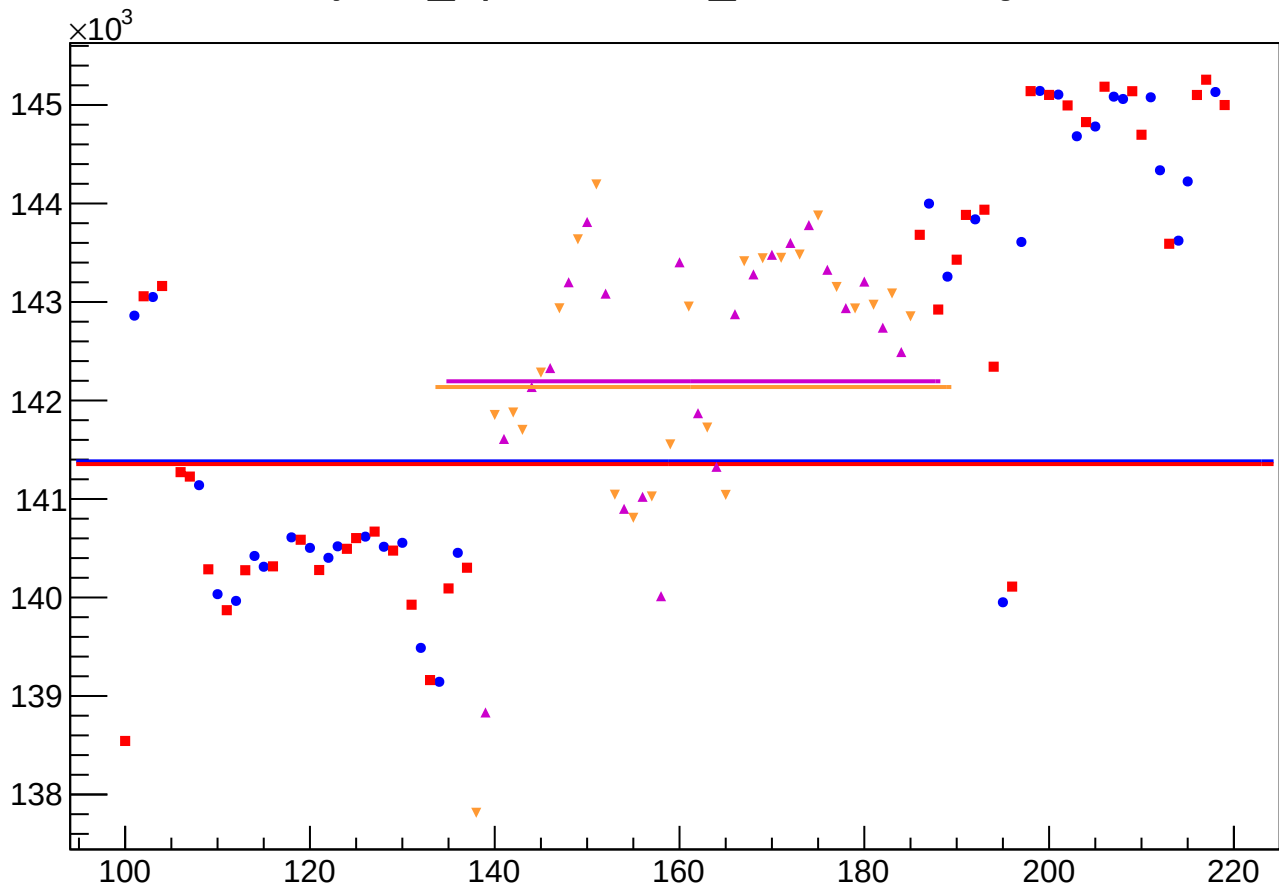
Left In: 191.683 $\pm$ 0.033 χ^2 /NDF: 864384.9/22

+ sign 17.896 $\pm$ 0.004 χ^2 /NDF: 49024379.6/57

All: 18.335 $\pm$ 0.003 χ^2 /NDF: 98291957.3/117

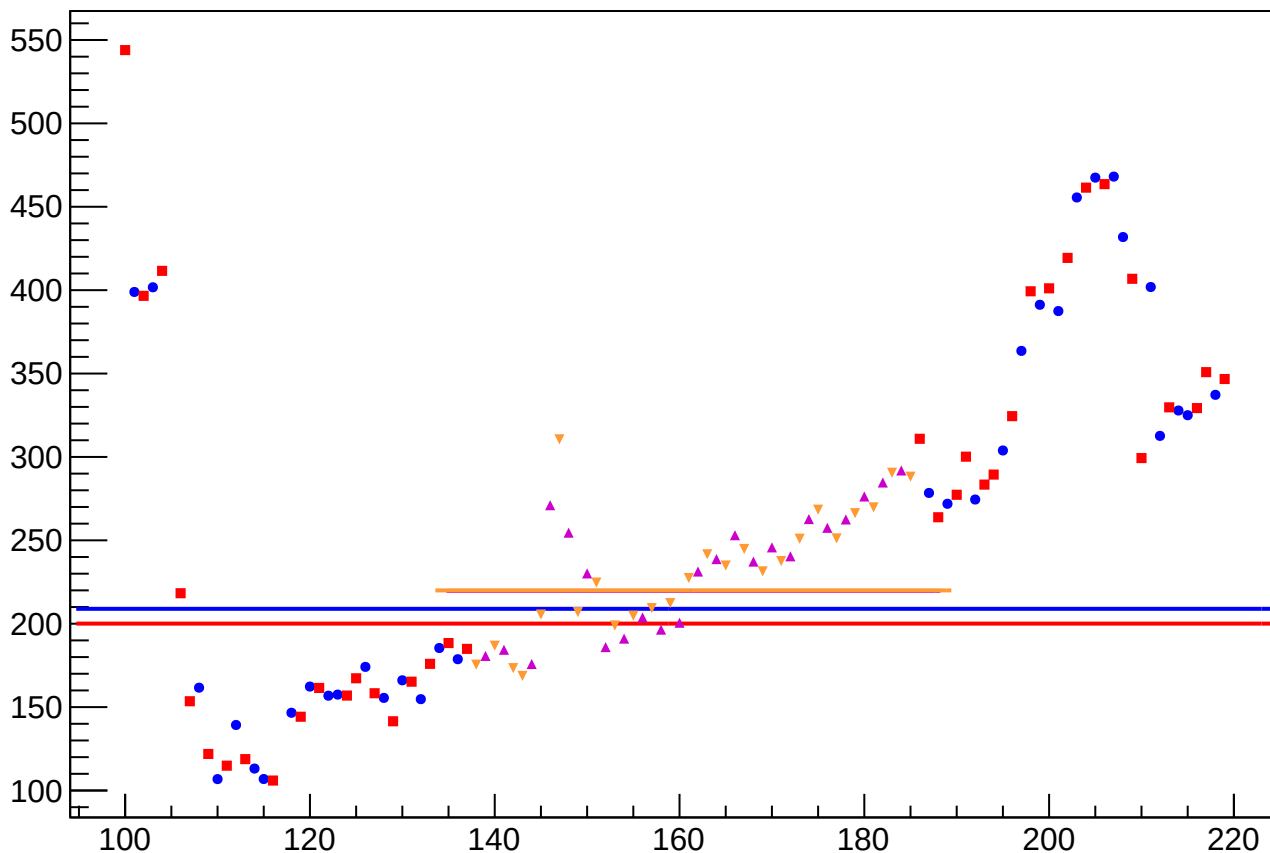
- sign 18.867 $\pm$ 0.004 χ^2 /NDF: 49236927.6/59

yield_bpm0l07WS_mean vs Slug



Right In: 141382.063 ± 0.055 $\chi^2/\text{NDF}: 1115471743.1/32$ $+ \text{sign } 141776.772 \pm 0.038$ $\chi^2/\text{NDF}: 2030199787.7$
 Left Out: 142136.579 ± 0.052 $\chi^2/\text{NDF}: 815573343.0/24$ All: 141763.287 ± 0.026 $\chi^2/\text{NDF}: 407542317$
 Right Out: 141354.339 ± 0.051 $\chi^2/\text{NDF}: 1272110316.7/36$ $- \text{sign } 141750.418 \pm 0.037$ $\chi^2/\text{NDF}: 2044975259.6$
 Left In: 142195.020 ± 0.054 $\chi^2/\text{NDF}: 644030906.9/22$

yield_bpm0l07WS_rms vs Slug



Right In: 208.932 $\pm$ 0.039 χ^2 /NDF: 6653638.1/32

Left Out: 219.969 $\pm$ 0.037 χ^2 /NDF: 866616.3/24

Right Out: 200.072 $\pm$ 0.036 χ^2 /NDF: 7256394.3/36

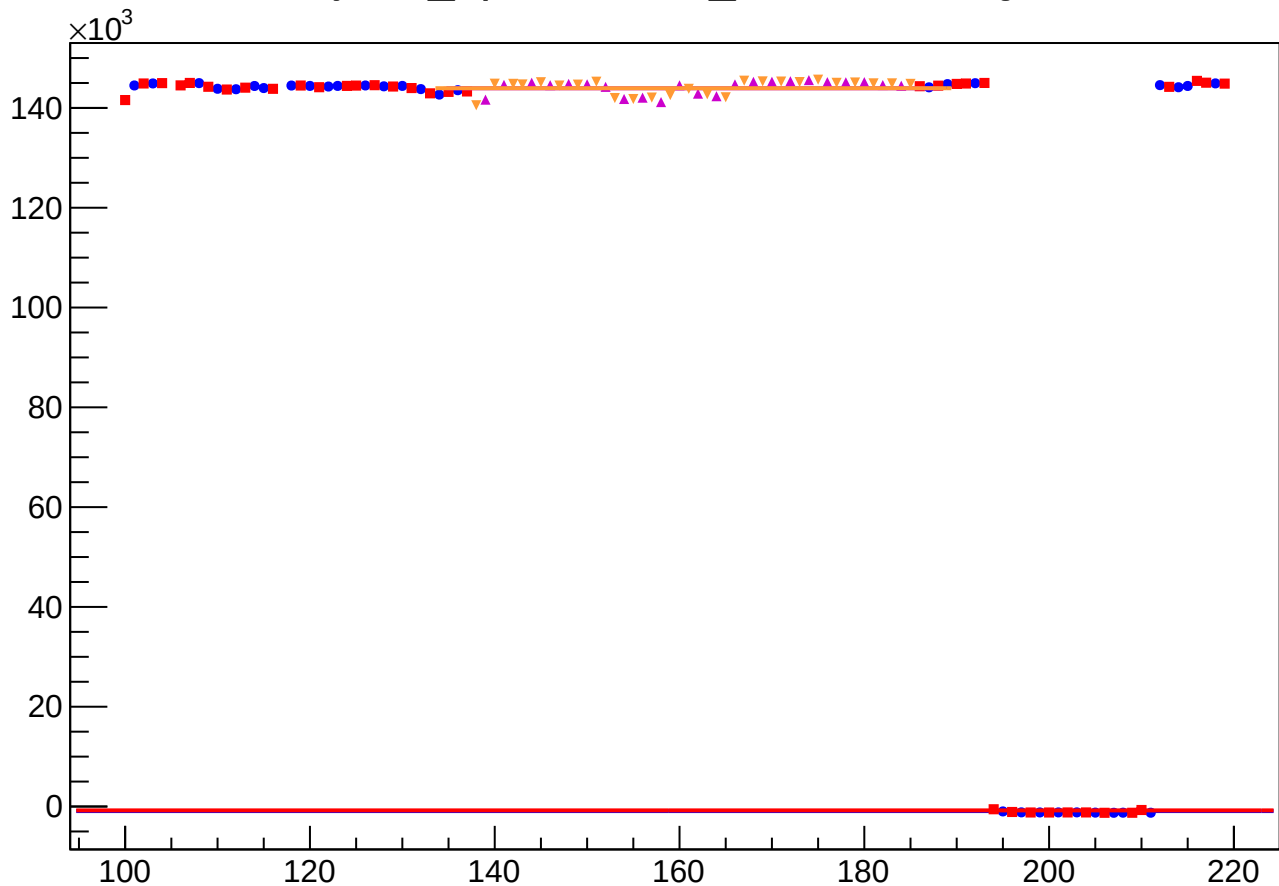
Left In: 219.685 $\pm$ 0.038 χ^2 /NDF: 812745.1/22

+ sign 214.706 $\pm$ 0.027 χ^2 /NDF: 7562686.1/57

All: 211.946 $\pm$ 0.019 χ^2 /NDF: 15792856.2/1

- sign 209.312 $\pm$ 0.026 χ^2 /NDF: 8209382.2/59

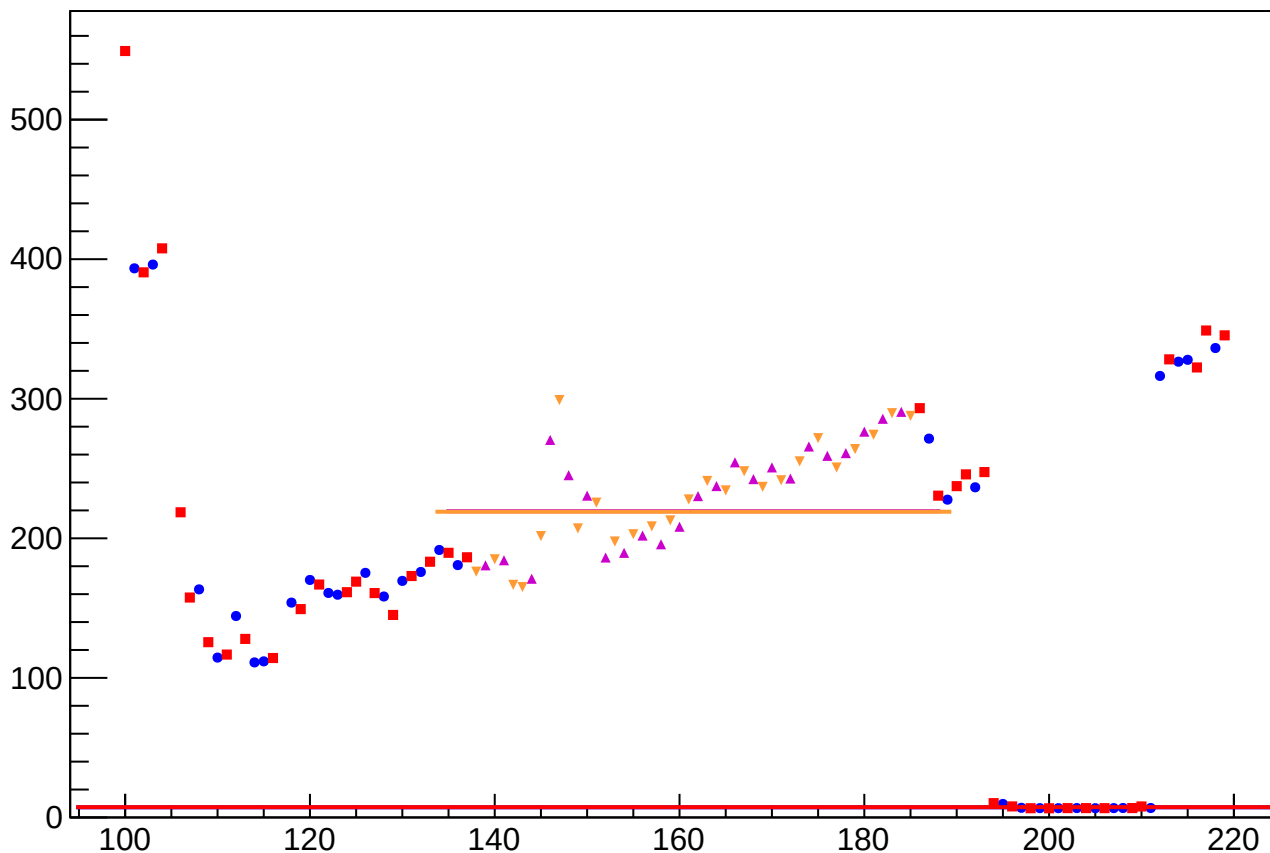
yield_bpm0l08WS_mean vs Slug



Right In: -912.607 ± 0.003 $\chi^2/\text{NDF}: 5886682935094.5/32$
 Left Out: 143951.284 ± 0.052 $\chi^2/\text{NDF}: 864679545.2/24$
 Right Out: -776.371 ± 0.003 $\chi^2/\text{NDF}: 6957198955886.6/36$
 Left In: 143938.288 ± 0.054 $\chi^2/\text{NDF}: 719814685.6/22$

+ sign -543.299 ± 0.003 $\chi^2/\text{NDF}: 13588451105991$
 All: -459.937 ± 0.002 $\chi^2/\text{NDF}: 27752067029$
 - sign -359.472 ± 0.003 $\chi^2/\text{NDF}: 14161404469940$

yield_bpm0l08WS_rms vs Slug



Right In: 7.254 ± 0.002 χ^2/NDF : 20597693.6/32

Left Out: 219.050 ± 0.037 χ^2/NDF : 934417.6/24

Right Out: 7.375 ± 0.002 χ^2/NDF : 23134895.2/36

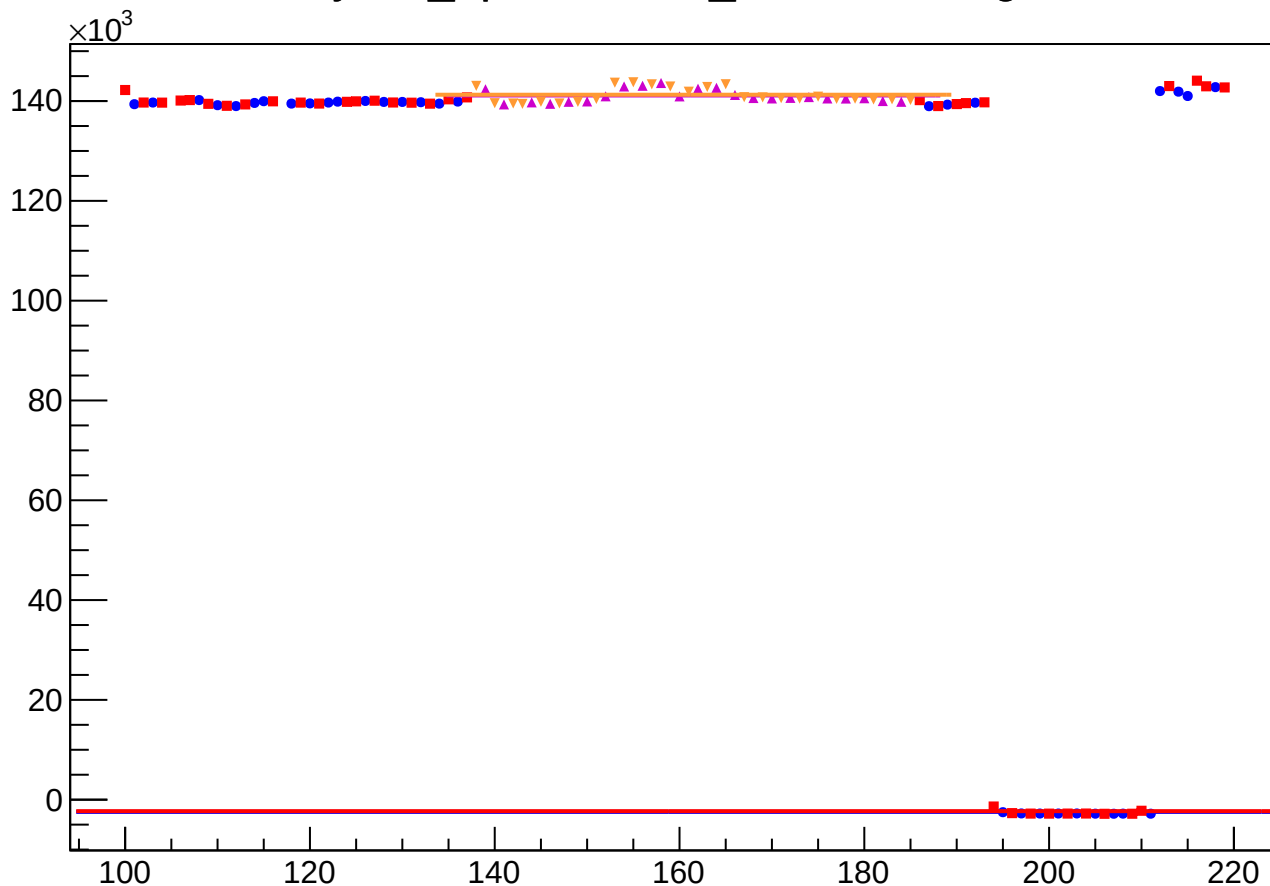
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 7.793 ± 0.002 χ^2/NDF : 54454214.2/57

All: 7.881 ± 0.001 χ^2/NDF : 109377524.4/117

- sign 7.985 ± 0.002 χ^2/NDF : 54918486.3/59

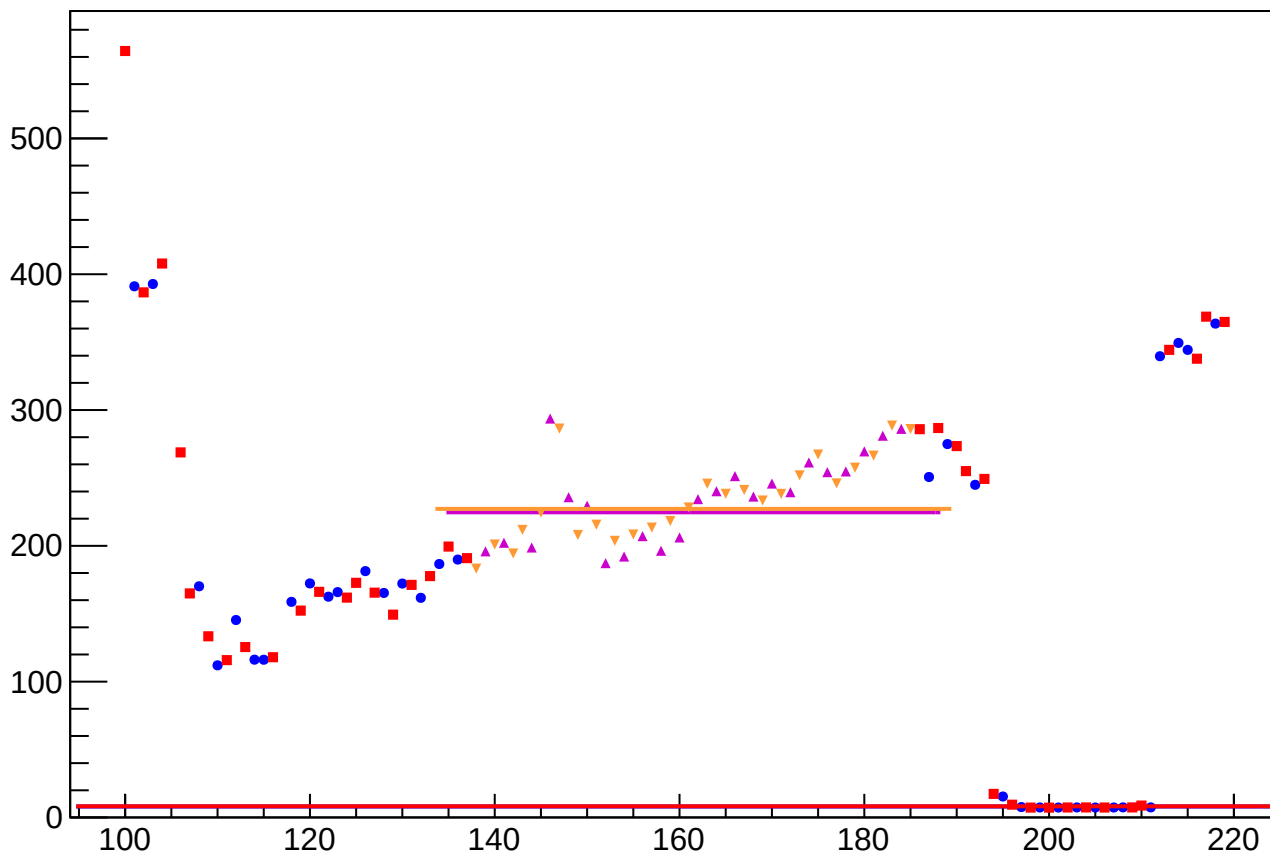
yield_bpm0l09WS_mean vs Slug



Right In: -2451.307 ± 0.003 $\chi^2/\text{NDF}: 5372698604811.0/32$
 Left Out: 141268.791 ± 0.054 $\chi^2/\text{NDF}: 795989244.2/24$
 Right Out: -2300.665 ± 0.003 $\chi^2/\text{NDF}: 6290187735953.1/36$
 Left In: 141119.484 ± 0.055 $\chi^2/\text{NDF}: 565312728.1/22$

+ sign -2019.011 ± 0.003 $\chi^2/\text{NDF}: 1251508079084$
 All: -1921.224 ± 0.002 $\chi^2/\text{NDF}: 2560546607$
 - sign -1803.325 ± 0.003 $\chi^2/\text{NDF}: 1308795357853$

yield_bpm0l09WS_rms vs Slug



Right In: 8.053 ± 0.002 χ^2/NDF : 20732047.0/32

Left Out: 227.224 ± 0.038 χ^2/NDF : 484955.3/24

Right Out: 8.208 ± 0.002 χ^2/NDF : 23156399.9/36

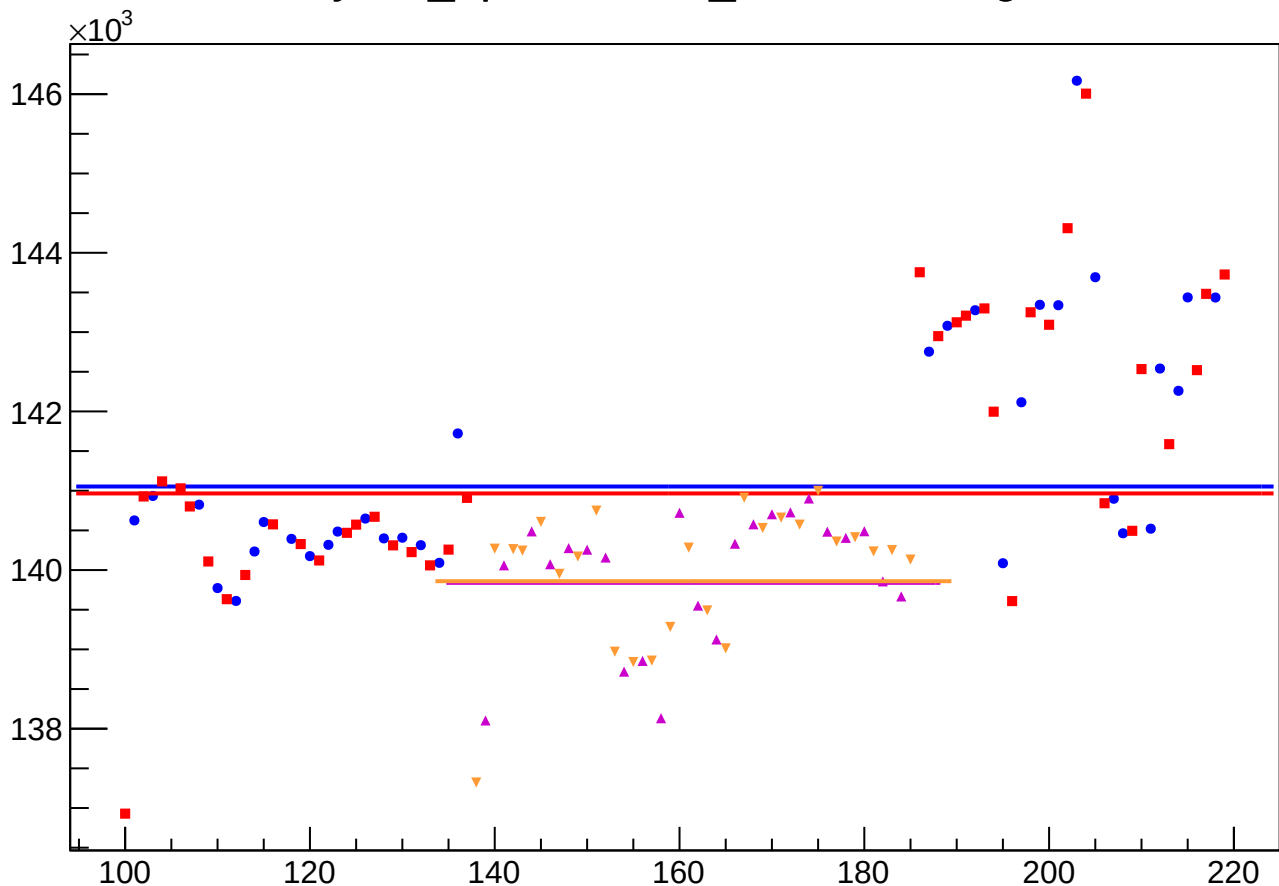
Left In: 224.686 ± 0.039 χ^2/NDF : 578366.0/22

+ sign 8.712 ± 0.002 χ^2/NDF : 54433650.9/57

All: 8.824 ± 0.002 χ^2/NDF : 109146693.8/117

- sign 8.959 ± 0.002 χ^2/NDF : 54706687.6/59

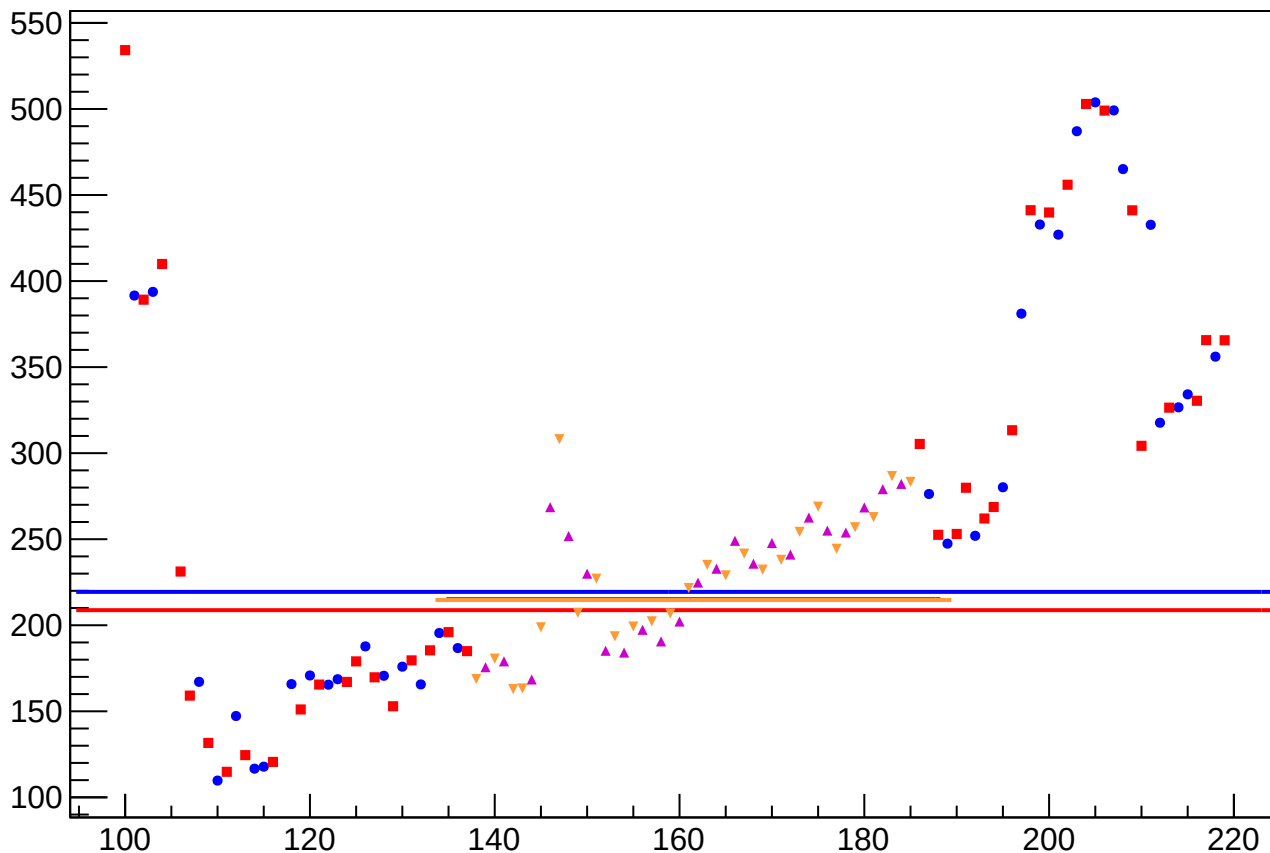
yield_bpm0l10WS_mean vs Slug



Right In: 141053.403 $\pm$ 0.057 χ^2 /NDF: 534227064.4/32
 Left Out: 139859.696 $\pm$ 0.051 χ^2 /NDF:330118281.5/24
 Right Out: 140966.034 $\pm$ 0.053 χ^2 /NDF: 631320388.6/36
 Left In: 139838.724 $\pm$ 0.053 χ^2 /NDF:279573689.3/22

+ sign 140388.117 $\pm$ 0.038 χ^2 /NDF: 1105939696.9
 All: 140395.659 $\pm$ 0.027 χ^2 /NDF: 224504663
 - sign 140402.877 $\pm$ 0.037 χ^2 /NDF: 1139030432.3/

yield_bpm0l10WS_rms vs Slug



Right In: 219.390 $\pm$ 0.041 χ^2 /NDF: 6338073.4/32

Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF:981105.5/24

Right Out: 208.764 $\pm$ 0.037 χ^2 /NDF: 6839937.7/36

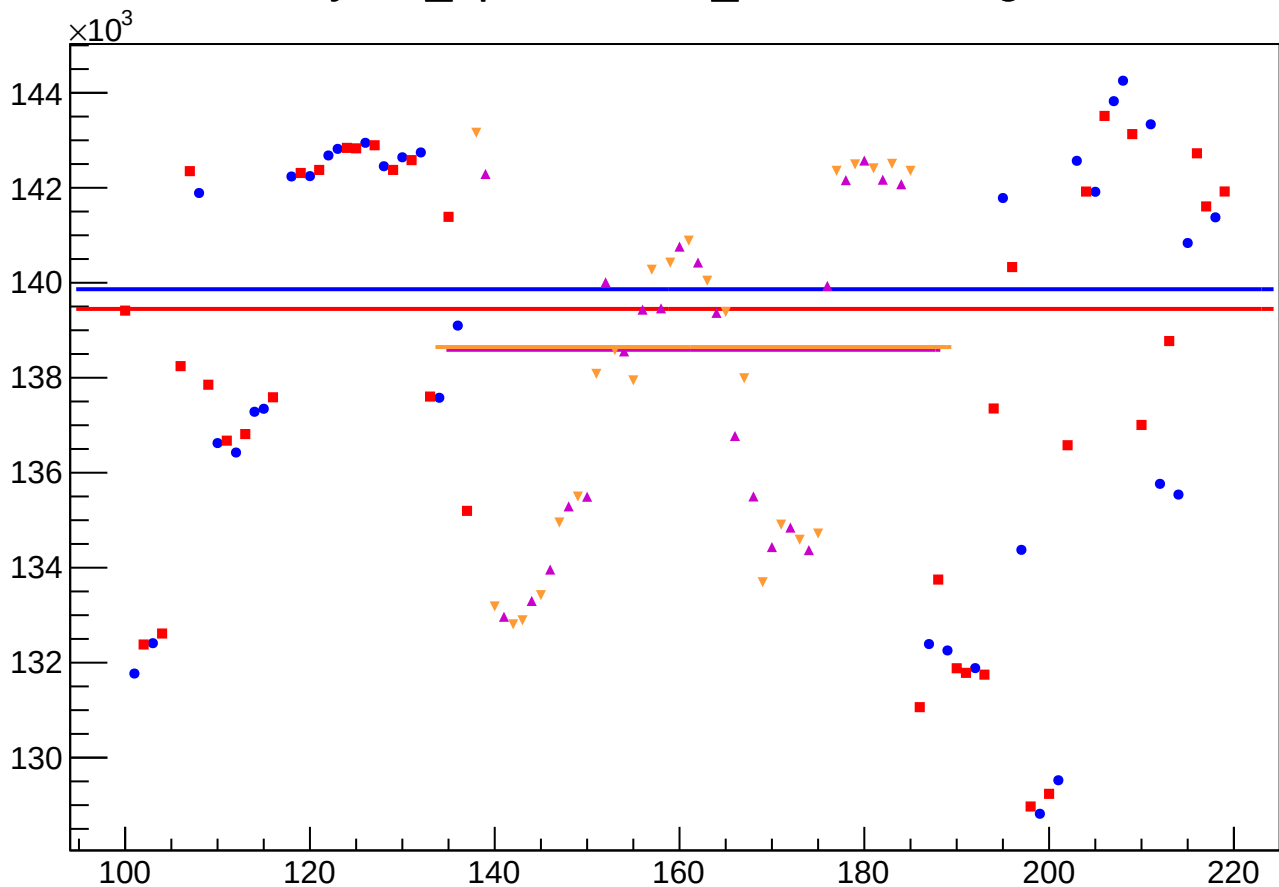
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF:881945.0/22

+ sign 216.772 $\pm$ 0.027 χ^2 /NDF: 7326661.0/57

All: 214.328 $\pm$ 0.019 χ^2 /NDF: 15079579.8/1

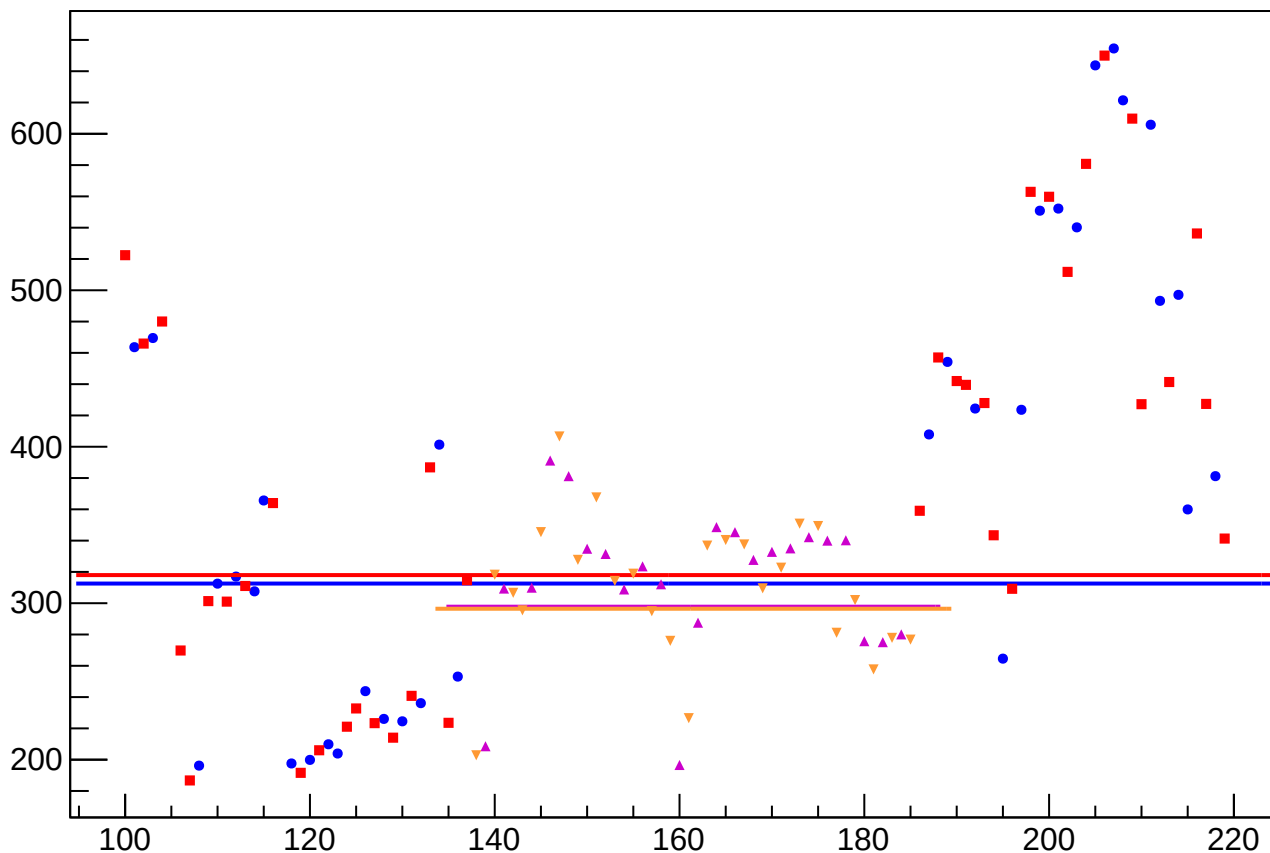
- sign 211.990 $\pm$ 0.026 χ^2 /NDF: 7736857.1/59

yield_bpm0r03WS_mean vs Slug



Right In: 139864.078 $\pm$ 0.080	χ^2 /NDF: 2404750059.7/32	+ sign 139178.453 $\pm$ 0.053	χ^2 /NDF: 5082463103.9
Left Out: 138646.366 $\pm$ 0.071	χ^2 /NDF: 2548637600.4/24	All: 139086.744 $\pm$ 0.038	χ^2 /NDF: 962842758
Right Out: 139449.438 $\pm$ 0.078	χ^2 /NDF: 2527691371.9/36	- sign 138993.474 $\pm$ 0.054	χ^2 /NDF: 4539962307.6
Left In: 138588.711 $\pm$ 0.074	χ^2 /NDF: 1948065195.1/22		

yield_bpm0r03WS_rms vs Slug



Right In: 312.562 ± 0.057 $\chi^2/\text{NDF}: 5016930.2/32$

Left Out: 296.464 ± 0.050 $\chi^2/\text{NDF}: 893579.7/24$

Right Out: 317.973 ± 0.055 $\chi^2/\text{NDF}: 4722456.0/36$

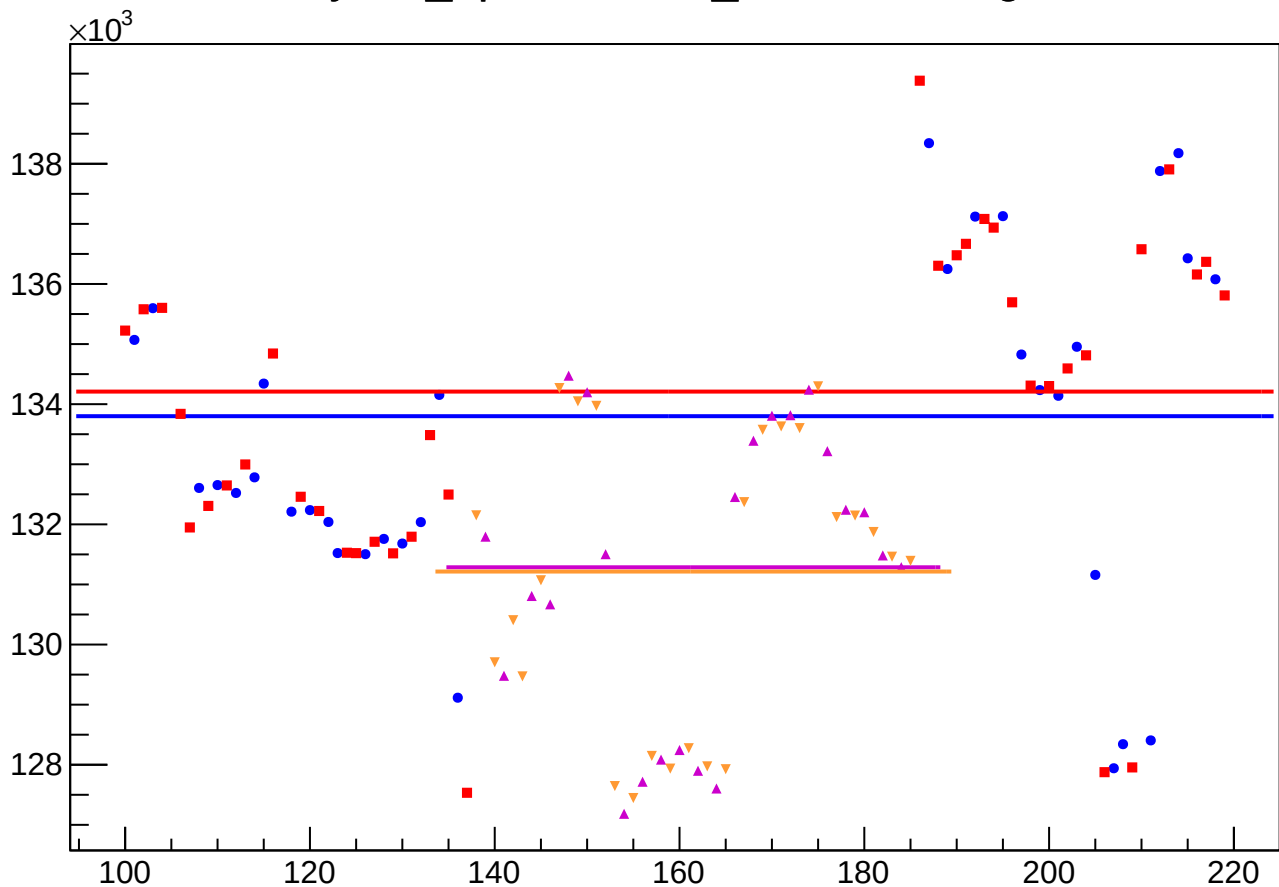
Left In: 297.774 ± 0.052 $\chi^2/\text{NDF}: 1061489.5/22$

+ sign 303.499 ± 0.038 $\chi^2/\text{NDF}: 5955624.4/57$

All: 305.370 ± 0.027 $\chi^2/\text{NDF}: 11815279.8/11$

- sign 307.273 ± 0.038 $\chi^2/\text{NDF}: 5854658.1/59$

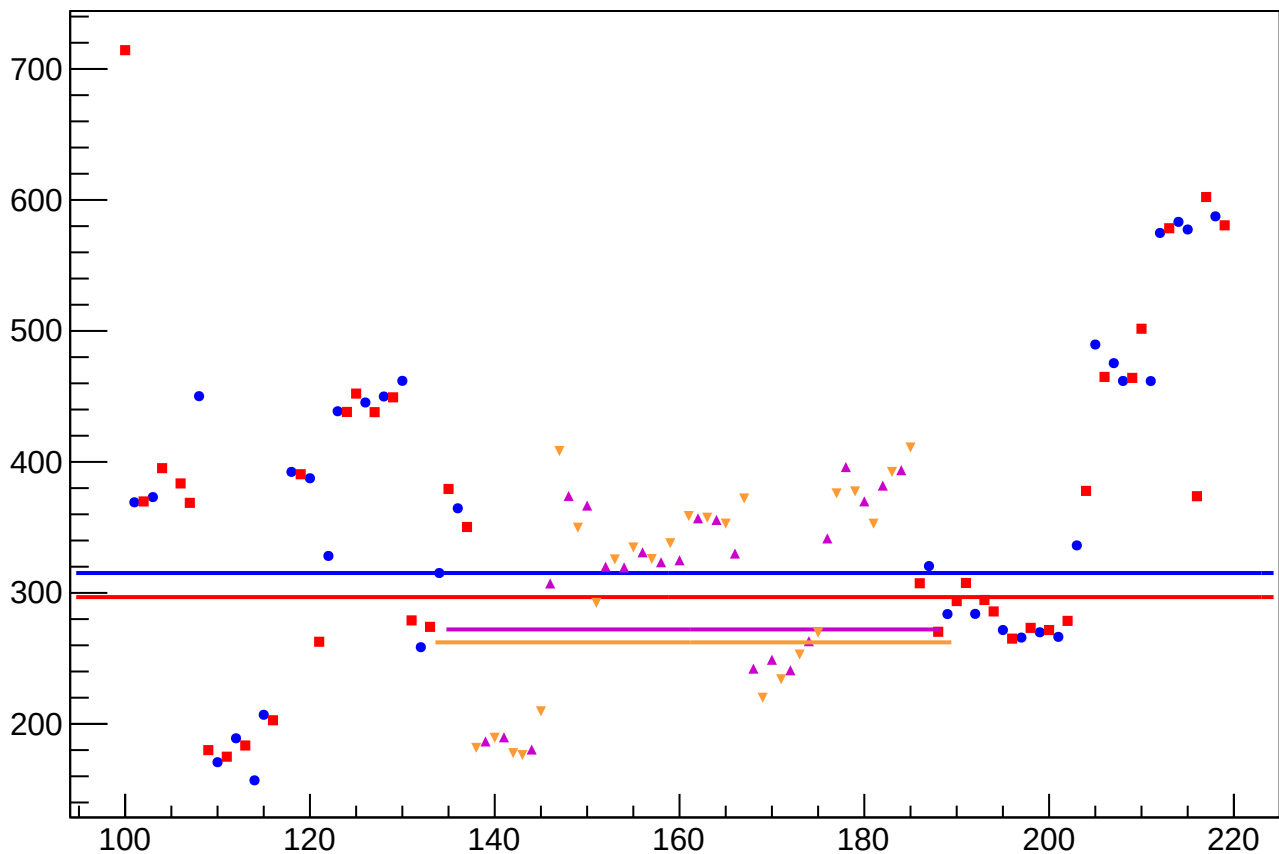
yield_bpm0r05WS_mean vs Slug



Right In: 133800.088 $\pm$ 0.079 χ^2 /NDF: 1046183829.4/32
 Left Out: 131214.985 $\pm$ 0.064 χ^2 /NDF: 1173424494.6/24
 Right Out: 134209.430 $\pm$ 0.072 χ^2 /NDF: 1059136433.6/36
 Left In: 131285.623 $\pm$ 0.068 χ^2 /NDF: 1056232192.1/22

+ sign 132248.882 $\pm$ 0.050 χ^2 /NDF: 2865735542.9
 All: 132463.125 $\pm$ 0.035 χ^2 /NDF: 588758703
 - sign 132674.694 $\pm$ 0.050 χ^2 /NDF: 2985098195.7/

yield_bpm0r05WS_rms vs Slug



Right In: 315.181 $\pm$ 0.056 χ^2 /NDF: 3773320.7/32

Left Out: 262.260 $\pm$ 0.045 χ^2 /NDF: 2818169.1/24

Right Out: 296.807 $\pm$ 0.051 χ^2 /NDF: 3814569.8/36

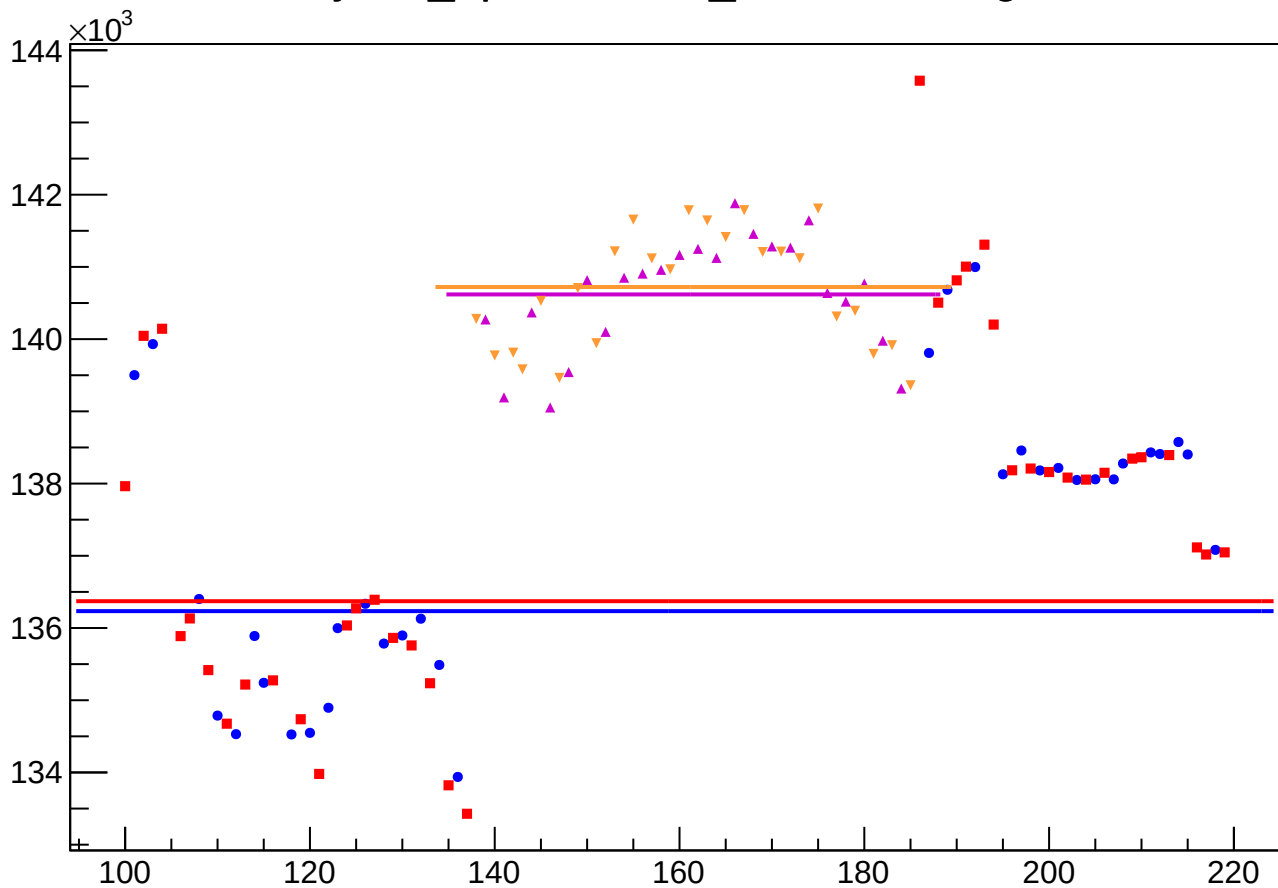
Left In: 272.115 $\pm$ 0.048 χ^2 /NDF: 2221925.0/22

+ sign 283.425 $\pm$ 0.035 χ^2 /NDF: 7133056.3/57

All: 283.637 $\pm$ 0.025 χ^2 /NDF: 13293689.5/13

- sign 283.846 $\pm$ 0.035 χ^2 /NDF: 6160561.4/59

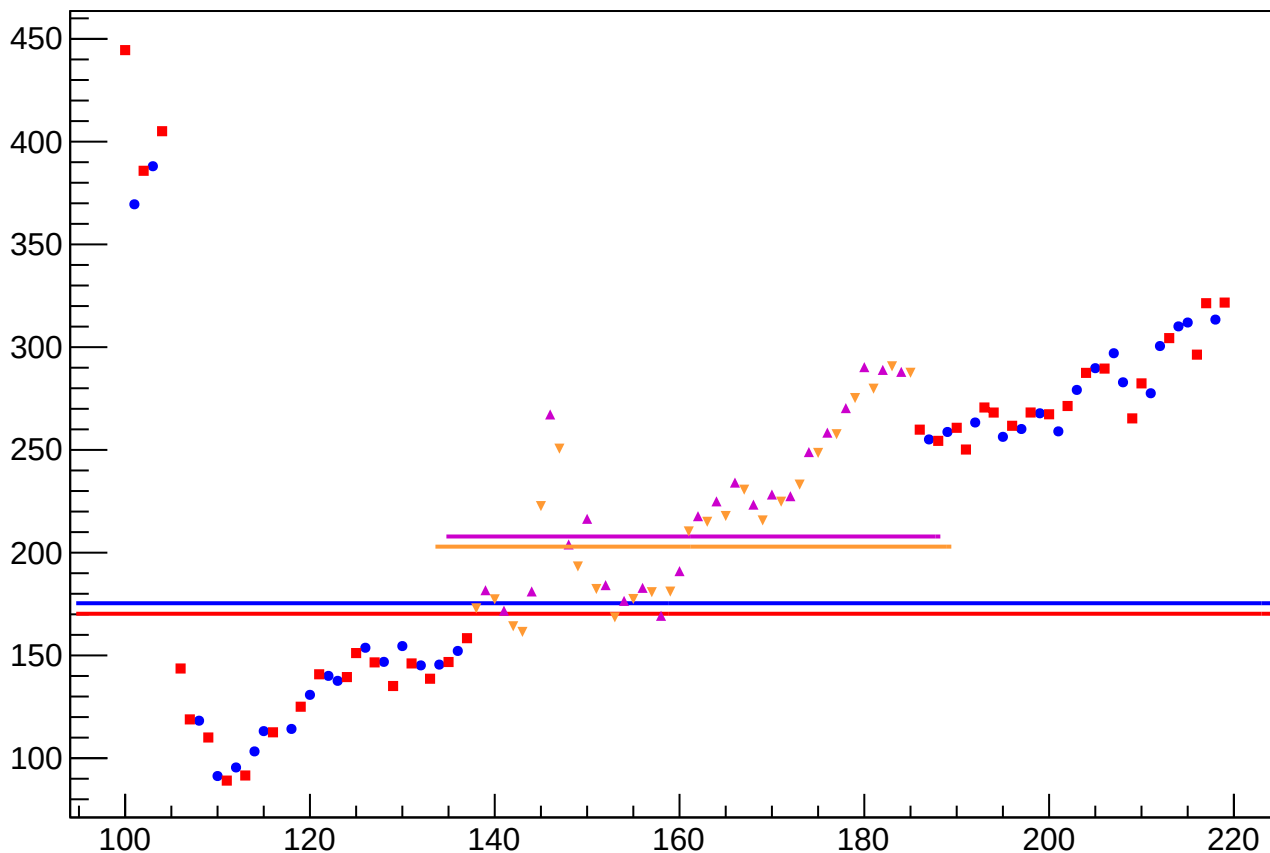
yield_bpm0i02WS_mean vs Slug



Right In: 136233.811 ± 0.045 $\chi^2/\text{NDF}: 1671054208.5/32$
 Left Out: 140721.823 ± 0.048 $\chi^2/\text{NDF}: 247257762.8/24$
 Right Out: 136371.451 ± 0.043 $\chi^2/\text{NDF}: 222232346.1/36$
 Left In: 140619.038 ± 0.051 $\chi^2/\text{NDF}: 200370178.0/22$

+ sign 138336.509 ± 0.033 $\chi^2/\text{NDF}: 6486997195.9$
 All: 138232.868 ± 0.023 $\chi^2/\text{NDF}: 129788433$
 - sign 138130.818 ± 0.033 $\chi^2/\text{NDF}: 6472427555.0$

yield_bpm0i02WS_rms vs Slug



Right In: 175.397 $\pm$ 0.032 χ^2 /NDF: 5984097.7/32

Left Out: 202.934 $\pm$ 0.034 χ^2 /NDF: 1052283.6/24

Right Out: 170.275 $\pm$ 0.030 χ^2 /NDF: 6734020.3/36

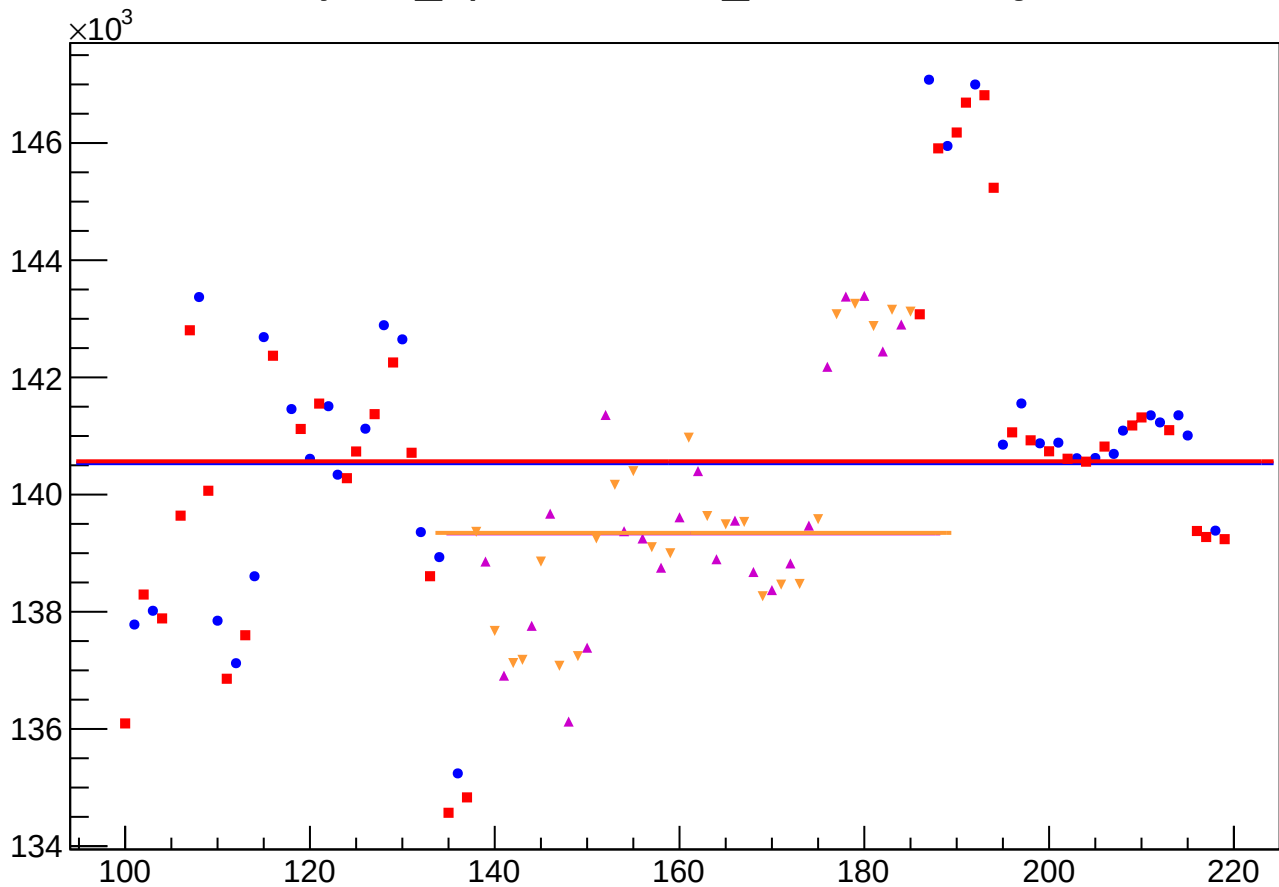
Left In: 207.872 $\pm$ 0.036 χ^2 /NDF: 949200.3/22

+ sign 188.298 $\pm$ 0.023 χ^2 /NDF: 7380374.2/57

All: 187.064 $\pm$ 0.017 χ^2 /NDF: 15703682.3/11

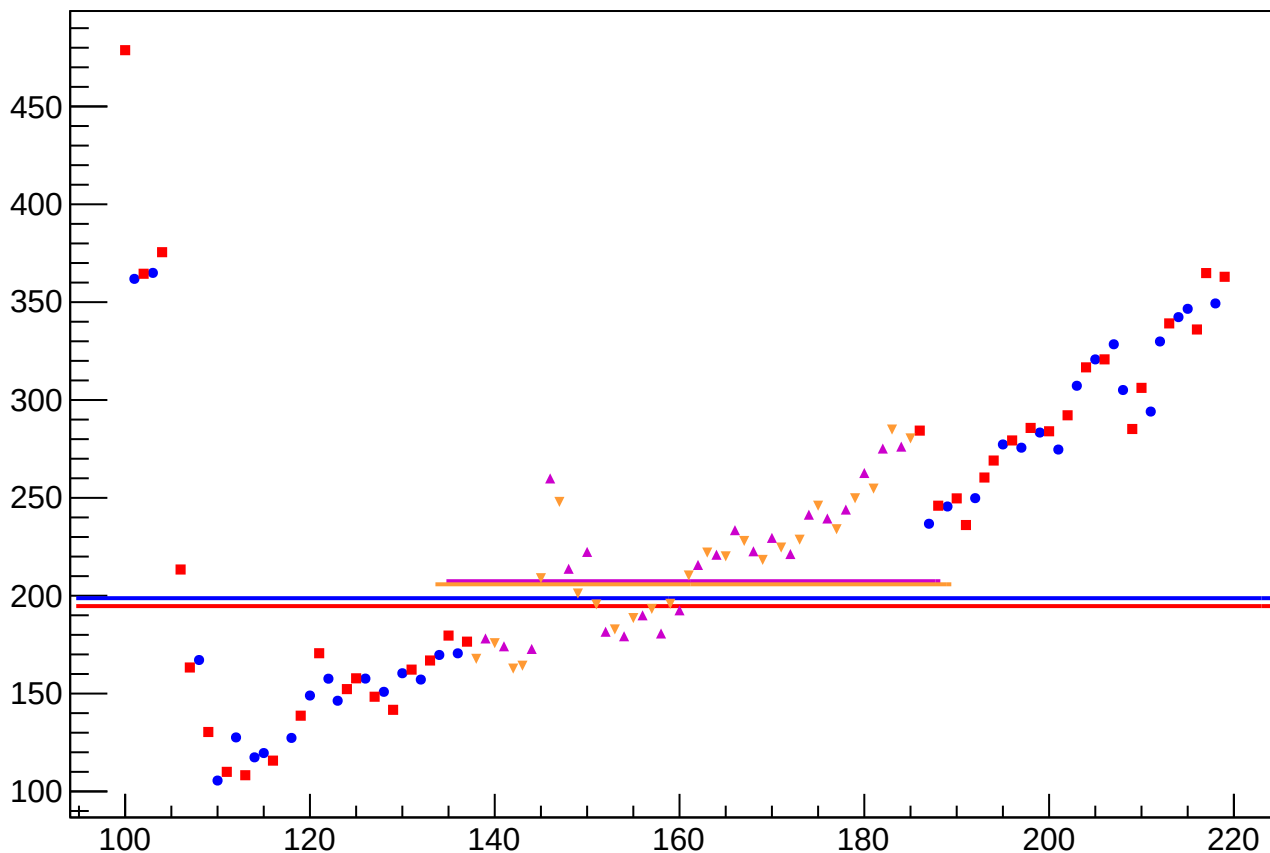
- sign 185.848 $\pm$ 0.023 χ^2 /NDF: 8317795.2/59

yield_bpm0i02aWS_mean vs Slug



Right In: 140535.992 $\pm$ 0.051 χ^2 /NDF: 2797334035.5/32
 Left Out: 139346.604 $\pm$ 0.049 χ^2 /NDF: 1271172976.7/24
 Right Out: 140568.100 $\pm$ 0.048 χ^2 /NDF: 3249787221.8/36
 Left In: 139337.874 $\pm$ 0.051 χ^2 /NDF: 1293003954.9/22
 All: 139953.665 $\pm$ 0.025 χ^2 /NDF: 92063924
 + sign 139921.373 $\pm$ 0.035 χ^2 /NDF: 4353636959.0
 - sign 139985.563 $\pm$ 0.035 χ^2 /NDF: 4851082465.3/

yield_bpm0i02aWS_rms vs Slug



Right In: 198.740 $\pm$ 0.036 χ^2 /NDF: 4912161.5/32

Left Out: 205.833 $\pm$ 0.035 χ^2 /NDF: 738666.4/24

Right Out: 194.691 $\pm$ 0.034 χ^2 /NDF: 5536176.3/36

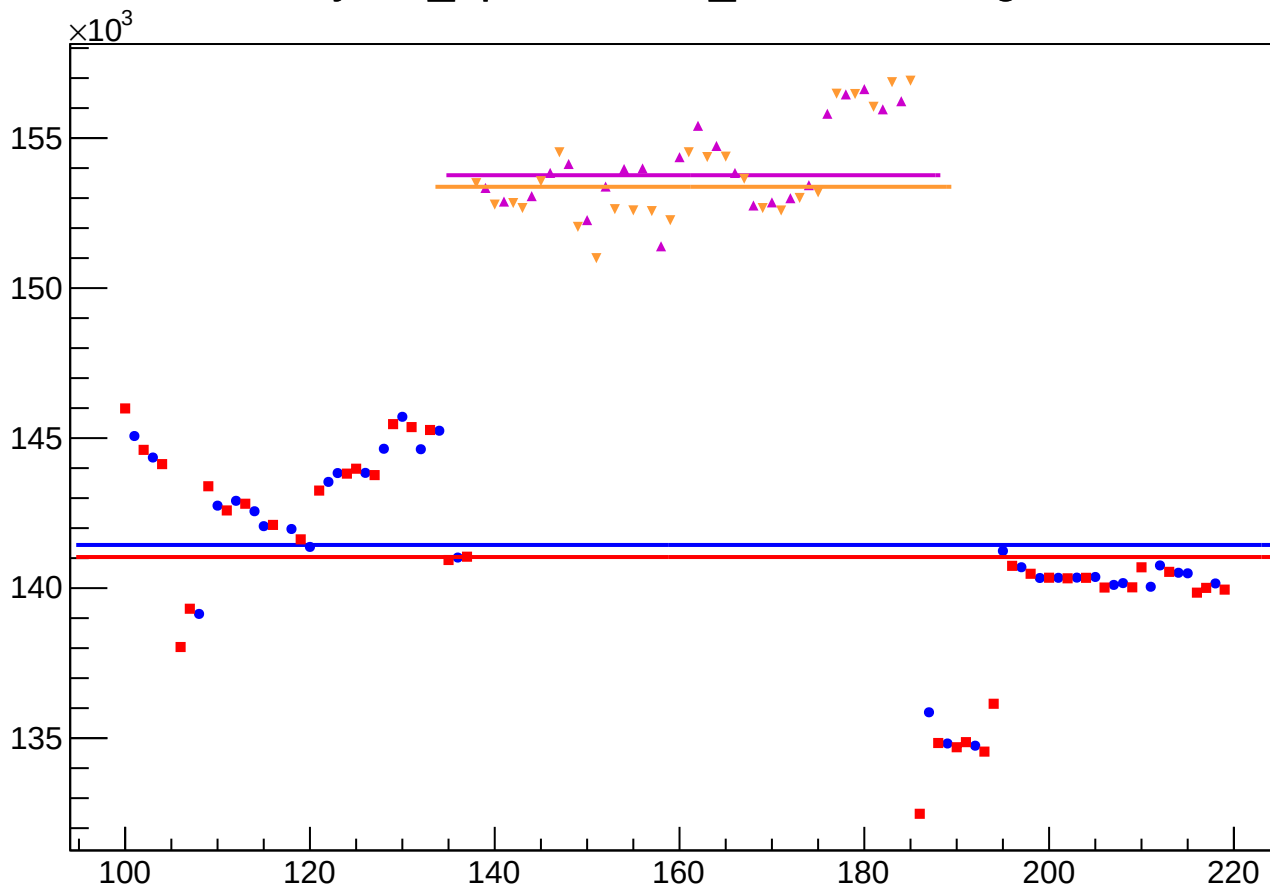
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 202.405 $\pm$ 0.025 χ^2 /NDF: 5671105.9/57

All: 201.556 $\pm$ 0.018 χ^2 /NDF: 11977520.7/119

- sign 200.717 $\pm$ 0.025 χ^2 /NDF: 6304099.4/59

yield_bpm0i05WS_mean vs Slug



Right In: 141439.052 $\pm$ 0.051 χ^2 /NDF: 2761552469.1/32

Left Out: 153376.698 $\pm$ 0.050 χ^2 /NDF: 803848095.1/24

Right Out: 141036.559 $\pm$ 0.047 χ^2 /NDF: 4472594423.0/36

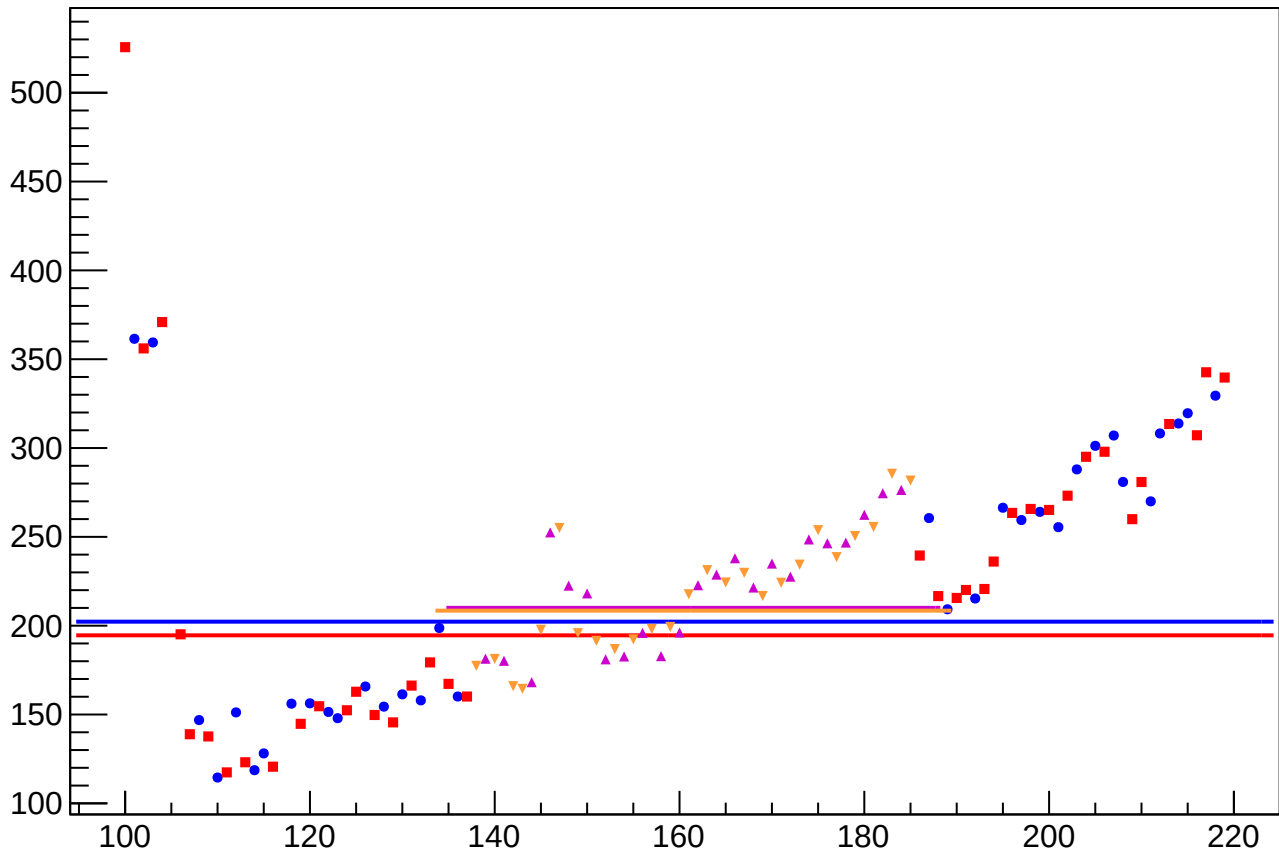
Left In: 153762.419 $\pm$ 0.051 χ^2 /NDF: 635075685.0/22

+ sign 147526.608 $\pm$ 0.035 χ^2 /NDF: 32025937095.1

All: 147186.609 $\pm$ 0.025 χ^2 /NDF: 705143636.1

- sign 146857.648 $\pm$ 0.035 χ^2 /NDF: 38306659045.6

yield_bpm0i05WS_rms vs Slug



Right In: 202.266 $\pm$ 0.036 χ^2 /NDF: 3635296.5/32

Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24

Right Out: 194.568 $\pm$ 0.033 χ^2 /NDF: 4171349.8/36

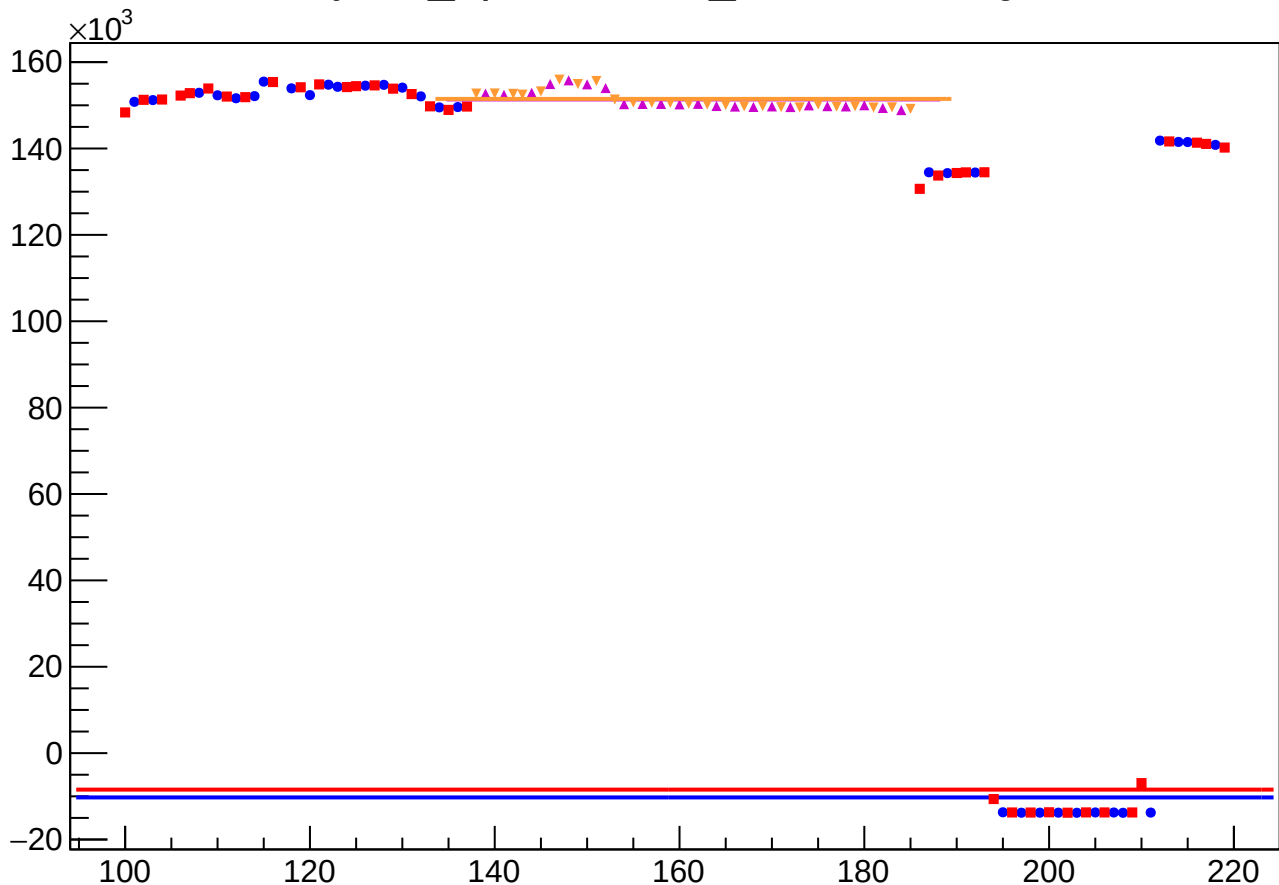
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 205.427 $\pm$ 0.025 χ^2 /NDF: 4371545.6/57

All: 203.505 $\pm$ 0.018 χ^2 /NDF: 9355009.9/117

- sign 201.644 $\pm$ 0.025 χ^2 /NDF: 4971837.1/59

yield_bpm0i07WS_mean vs Slug



Right In: -10253.992 ± 0.009

χ^2/NDF : 6598032552485.0/32

Left Out: 151483.385 ± 0.050

χ^2/NDF : 1481910066.9/24

Right Out: -8447.150 ± 0.010

χ^2/NDF : 7817457720857.8/36

Left In: 151363.165 ± 0.051

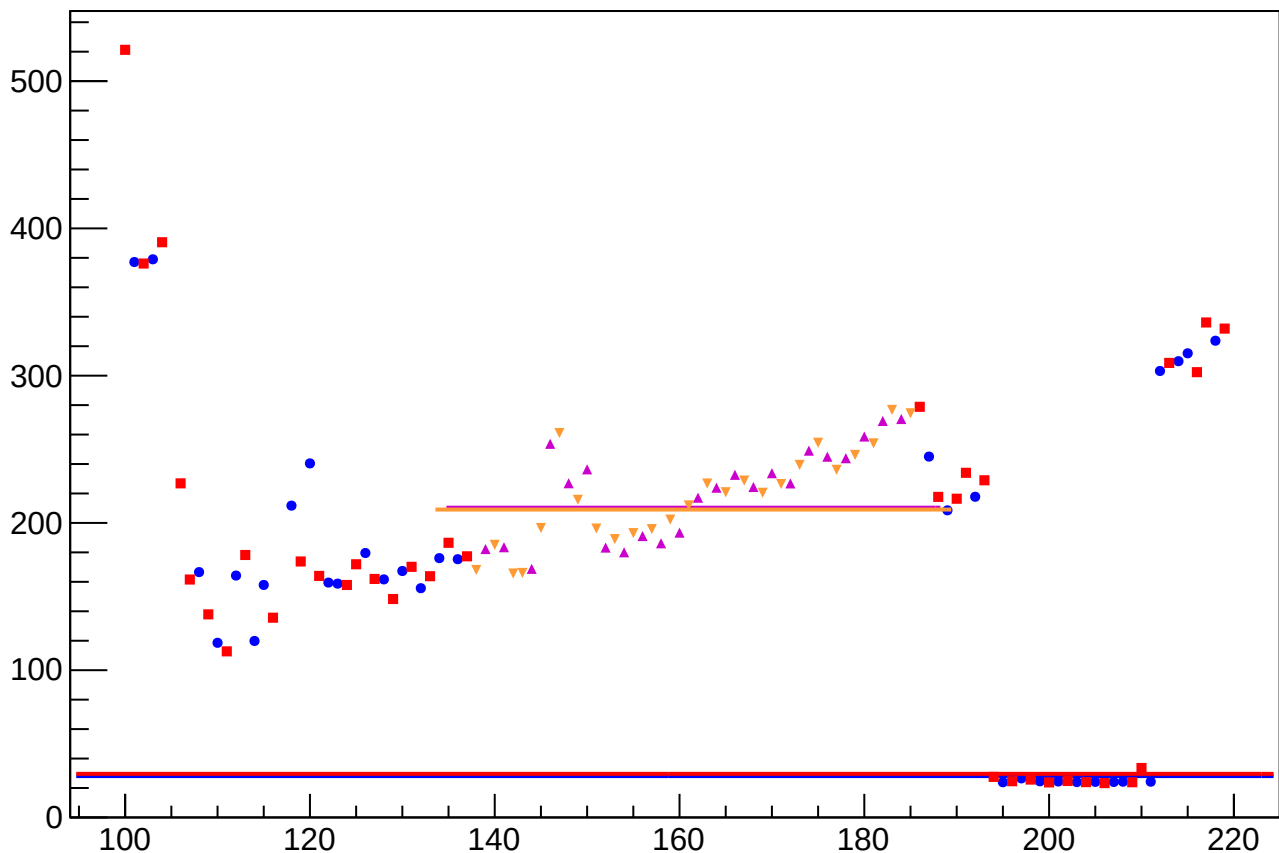
χ^2/NDF : 1421662089.0/22

+ sign -4843.728 ± 0.009 χ^2/NDF : 1690908915915

All: -3803.180 ± 0.007 χ^2/NDF : 3406778522

- sign -2570.972 ± 0.010 χ^2/NDF : 17129868838239

yield_bpm0i07WS_rms vs Slug



Right In: 28.087 ± 0.007 $\chi^2/\text{NDF}: 16518480.4/32$

Left Out: 209.076 ± 0.035 $\chi^2/\text{NDF}: 708260.3/24$

Right Out: 29.610 ± 0.007 $\chi^2/\text{NDF}: 18443496.1/36$

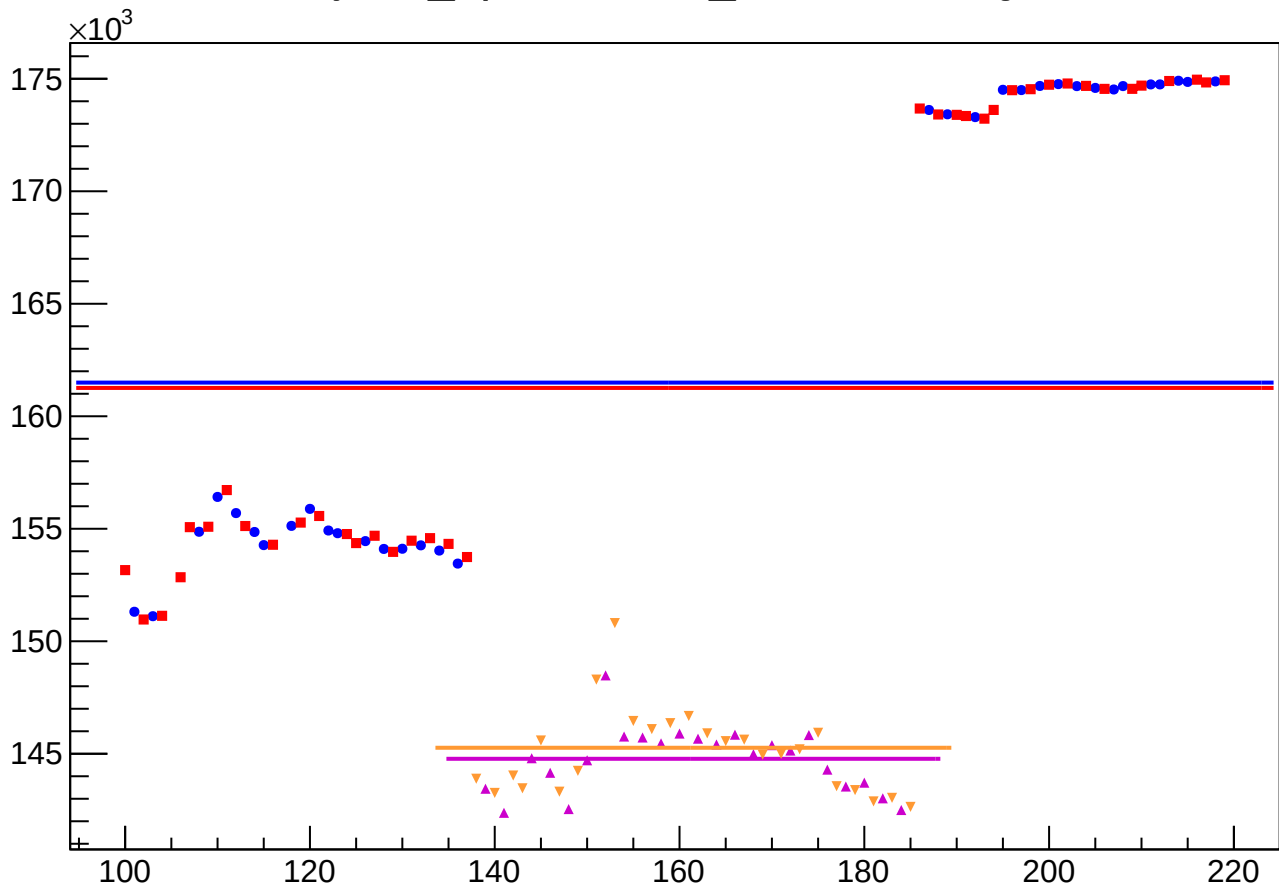
Left In: 210.345 ± 0.036 $\chi^2/\text{NDF}: 677747.7/22$

+ sign 34.141 ± 0.006 $\chi^2/\text{NDF}: 43046732.9/57$

All: 35.109 ± 0.005 $\chi^2/\text{NDF}: 86035611.3/117$

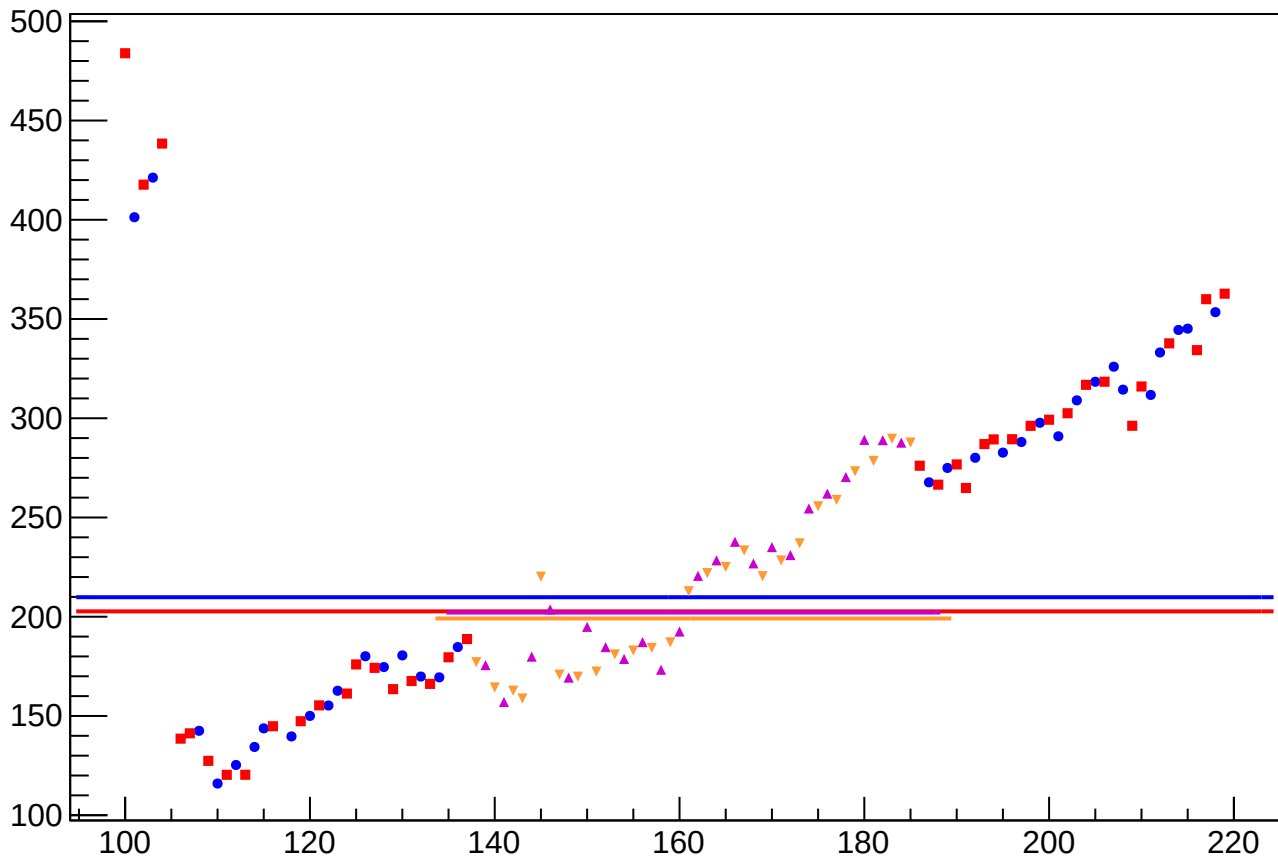
- sign 36.255 ± 0.007 $\chi^2/\text{NDF}: 42938965.8/59$

yield_bpm1i02WS_mean vs Slug



Right In: 161496.414 $\pm$ 0.053 χ^2/NDF : 31108042127.1/32
 Left Out: 145266.717 $\pm$ 0.047 χ^2/NDF : 1717707352.7/24
 Right Out: 161259.257 $\pm$ 0.050 χ^2/NDF : 34113834623.9/36
 Left In: 144776.016 $\pm$ 0.050 χ^2/NDF : 918120275.4/22

yield_bpm1i02WS_rms vs Slug



Right In: 209.830 $\pm$ 0.038 χ^2 /NDF: 4743928.0/32

Left Out: 199.118 $\pm$ 0.034 χ^2 /NDF: 1152231.0/24

Right Out: 202.704 $\pm$ 0.035 χ^2 /NDF: 5393103.9/36

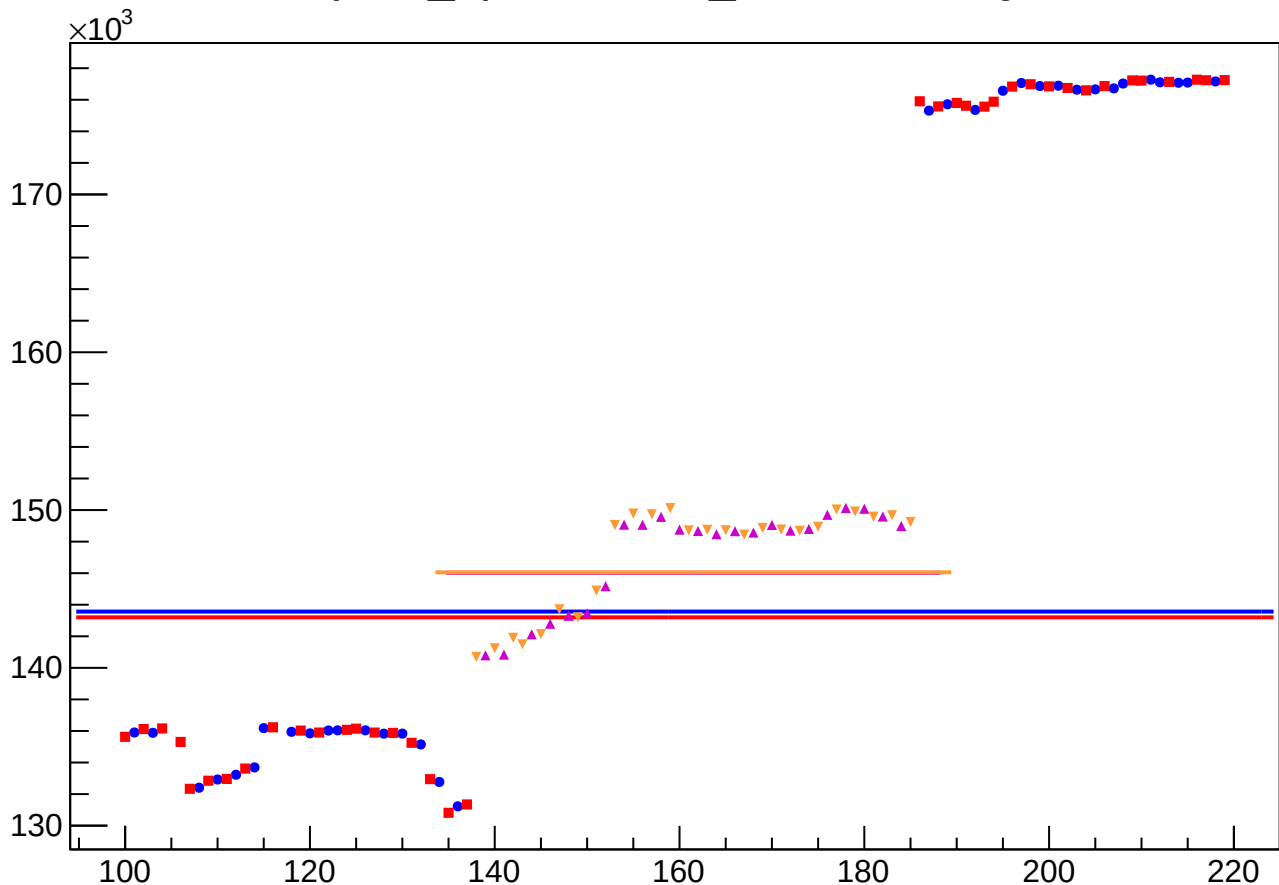
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF: 1057833.2/22

+ sign 203.863 $\pm$ 0.025 χ^2 /NDF: 5941415.9/57

All: 203.124 $\pm$ 0.018 χ^2 /NDF: 12394237.9/1

- sign 202.396 $\pm$ 0.025 χ^2 /NDF: 6451089.7/59

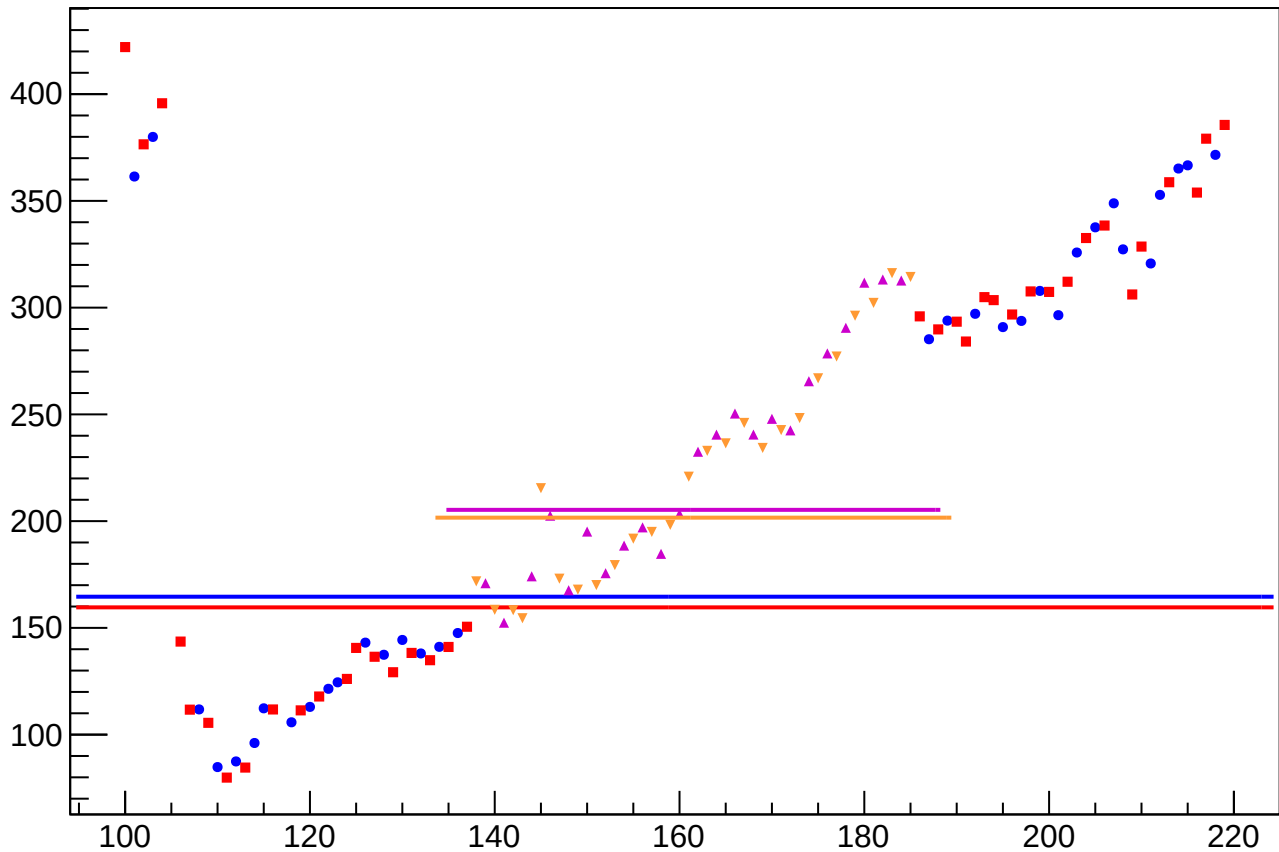
yield_bpm1i04WS_mean vs Slug



Right In: 143566.107 $\pm$ 0.045 χ^2 /NDF: 155855096136.0/32
 Left Out: 146051.733 $\pm$ 0.048 χ^2 /NDF: 5403300123.1/24
 Right Out: 143200.788 $\pm$ 0.042 χ^2 /NDF: 171841314748.0/36
 Left In: 146020.015 $\pm$ 0.051 χ^2 /NDF: 4591425371.4/22

+ sign 144708.505 $\pm$ 0.033 χ^2 /NDF: 162689316802
 All: 144527.638 $\pm$ 0.023 χ^2 /NDF: 341016195
 - sign 144351.078 $\pm$ 0.032 χ^2 /NDF: 178266596081

yield_bpm1i04WS_rms vs Slug



Right In: 164.602 $\pm$ 0.031 χ^2 /NDF: 8556934.5/32

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 159.610 $\pm$ 0.030 χ^2 /NDF: 9504739.1/36

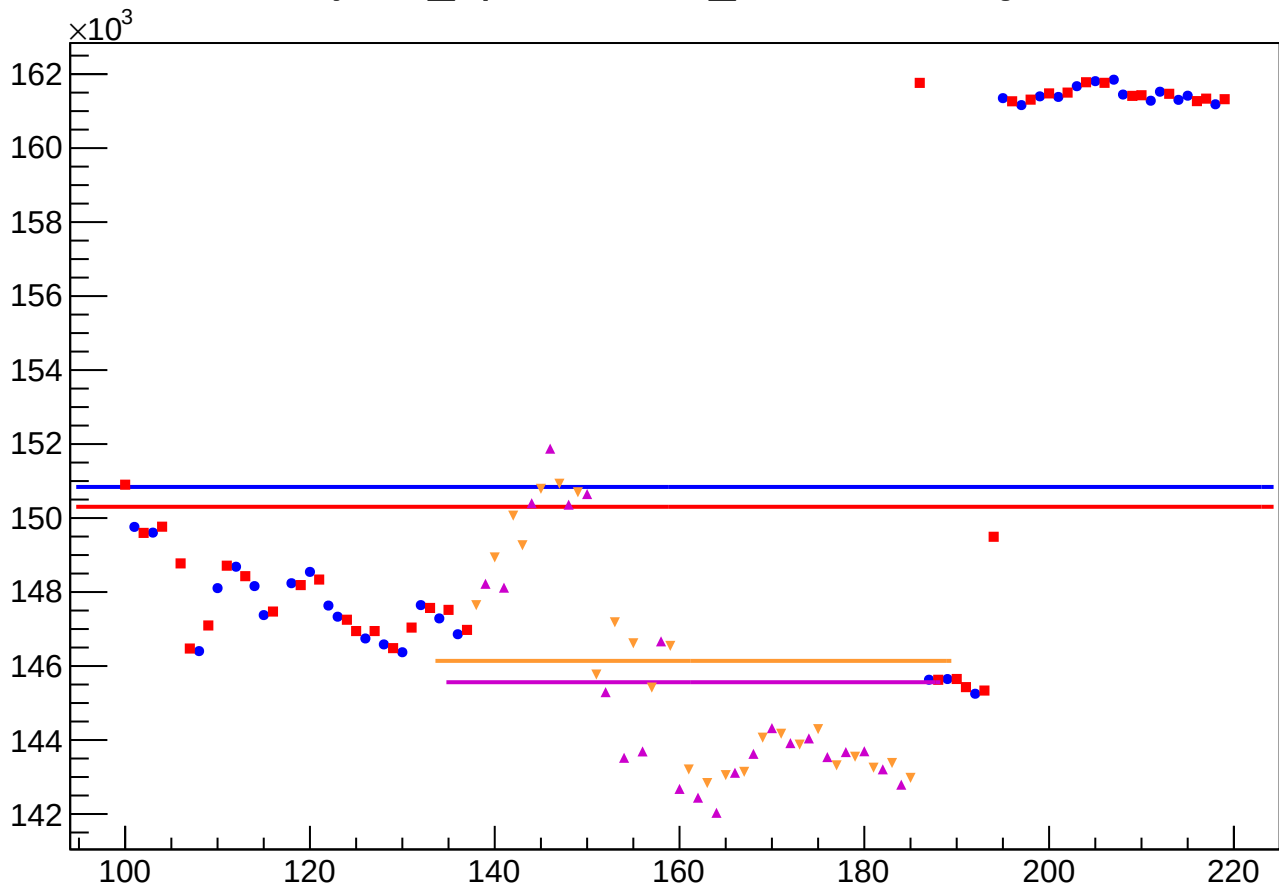
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 181.621 $\pm$ 0.023 χ^2 /NDF: 10781649.7/57

All: 179.913 $\pm$ 0.016 χ^2 /NDF: 22685181.6/1

- sign 178.247 $\pm$ 0.023 χ^2 /NDF: 11892788.1/59

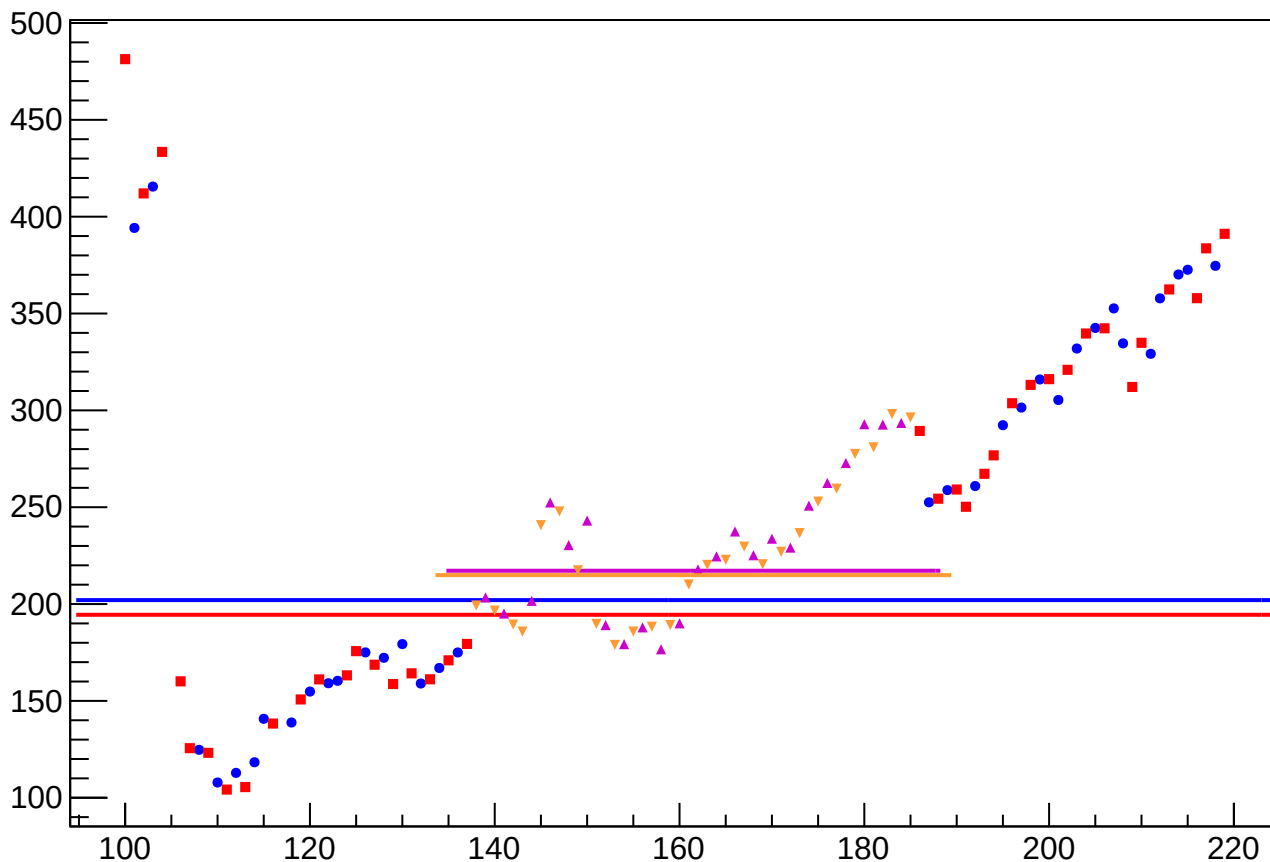
yield_bpm1i06WS_mean vs Slug



Right In: 150840.952 ± 0.052 $\chi^2/\text{NDF}: 13559800639.4/32$
 Left Out: 146139.326 ± 0.051 $\chi^2/\text{NDF}: 2699546907.6/24$
 Right Out: 150304.398 ± 0.049 $\chi^2/\text{NDF}: 13296023397.9/36$
 Left In: 145562.386 ± 0.053 $\chi^2/\text{NDF}: 3054641996.0/22$

+ sign 148432.300 ± 0.036 $\chi^2/\text{NDF}: 20419585526.6/22$
 All: 148281.006 ± 0.026 $\chi^2/\text{NDF}: 411346077.1/110$
 - sign 148134.119 ± 0.036 $\chi^2/\text{NDF}: 20681040414.3/22$

yield_bpm1i06WS_rms vs Slug



Right In: 202.034 $\pm$ 0.037 χ^2 /NDF: 5880408.3/32

Left Out: 214.945 $\pm$ 0.036 χ^2 /NDF: 728515.5/24

Right Out: 194.451 $\pm$ 0.034 χ^2 /NDF: 6580476.2/36

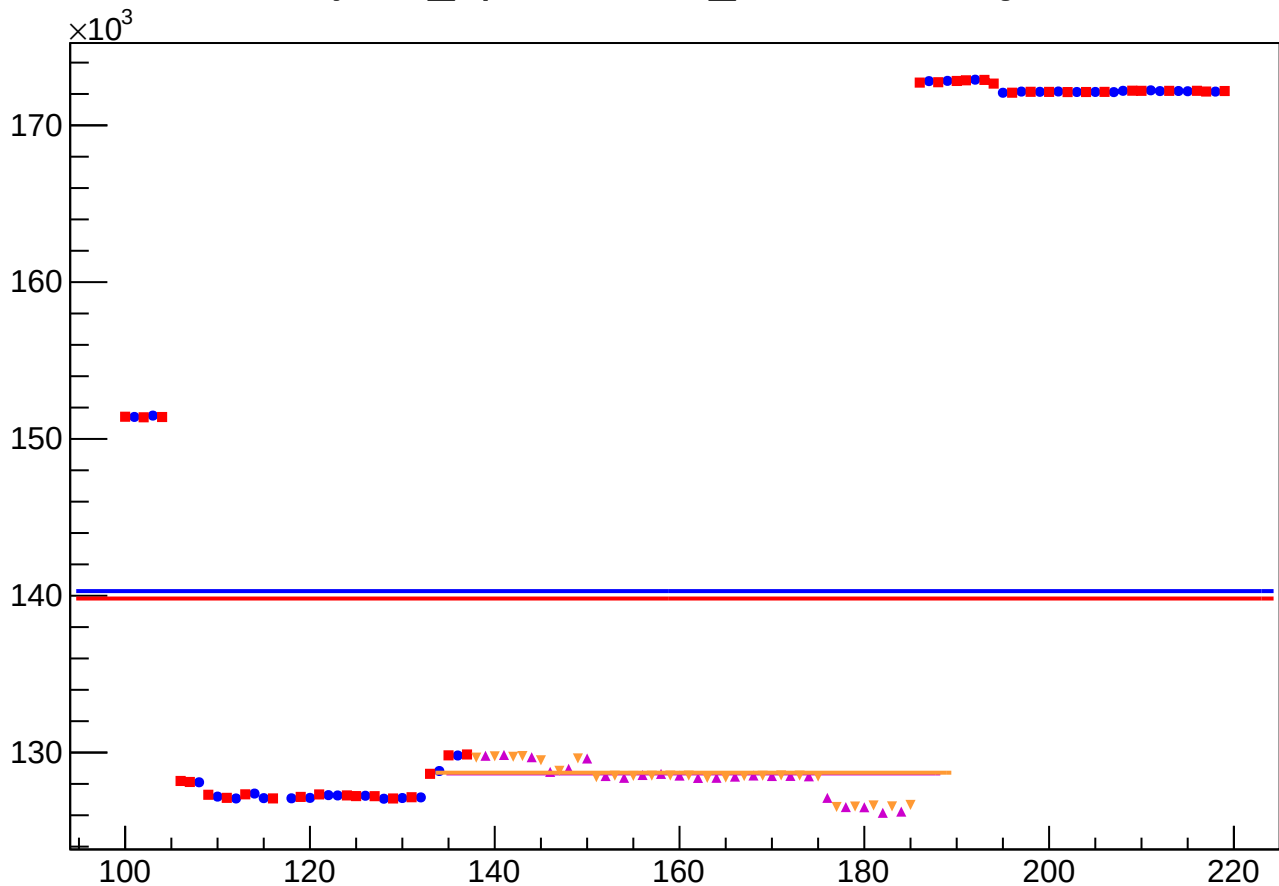
Left In: 217.203 $\pm$ 0.038 χ^2 /NDF: 764798.3/22

+ sign 208.648 $\pm$ 0.026 χ^2 /NDF: 6671665.7/57

All: 206.728 $\pm$ 0.018 χ^2 /NDF: 14227278.0/1

- sign 204.864 $\pm$ 0.025 χ^2 /NDF: 7544663.7/59

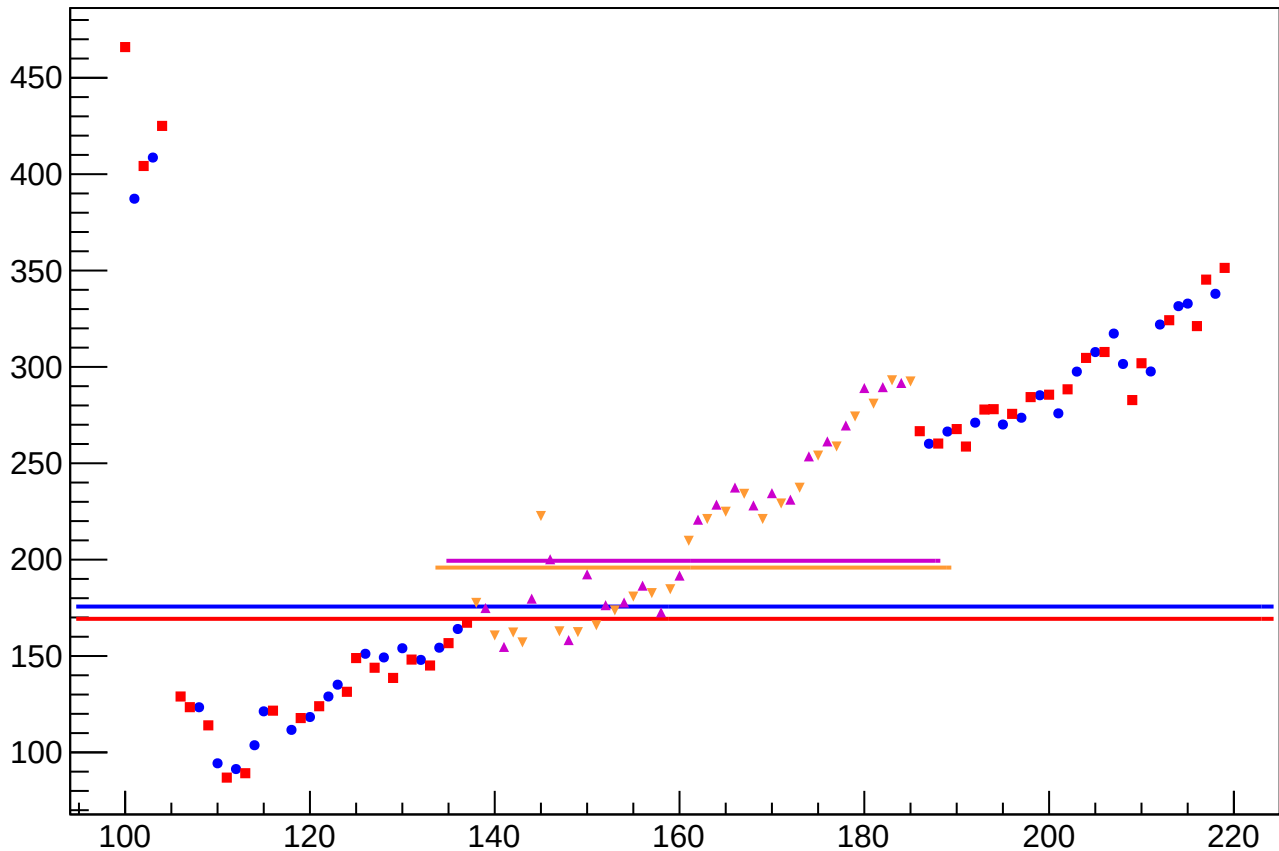
yield_bpm2i01WS_mean vs Slug



Right In: 140295.818 $\pm$ 0.046 χ^2 /NDF: 189339301874.5/32
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 139822.313 $\pm$ 0.043 χ^2 /NDF: 211830270618.2/36
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22

+ sign 134582.385 $\pm$ 0.033 χ^2 /NDF: 220850600008
 All: 134769.907 $\pm$ 0.023 χ^2 /NDF: 46229068
 - sign 134952.549 $\pm$ 0.032 χ^2 /NDF: 241375565257

yield_bpm2i01WS_rms vs Slug



Right In: 175.661 $\pm$ 0.033 χ^2 /NDF: 6793331.2/32

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 169.292 $\pm$ 0.030 χ^2 /NDF: 7617094.6/36

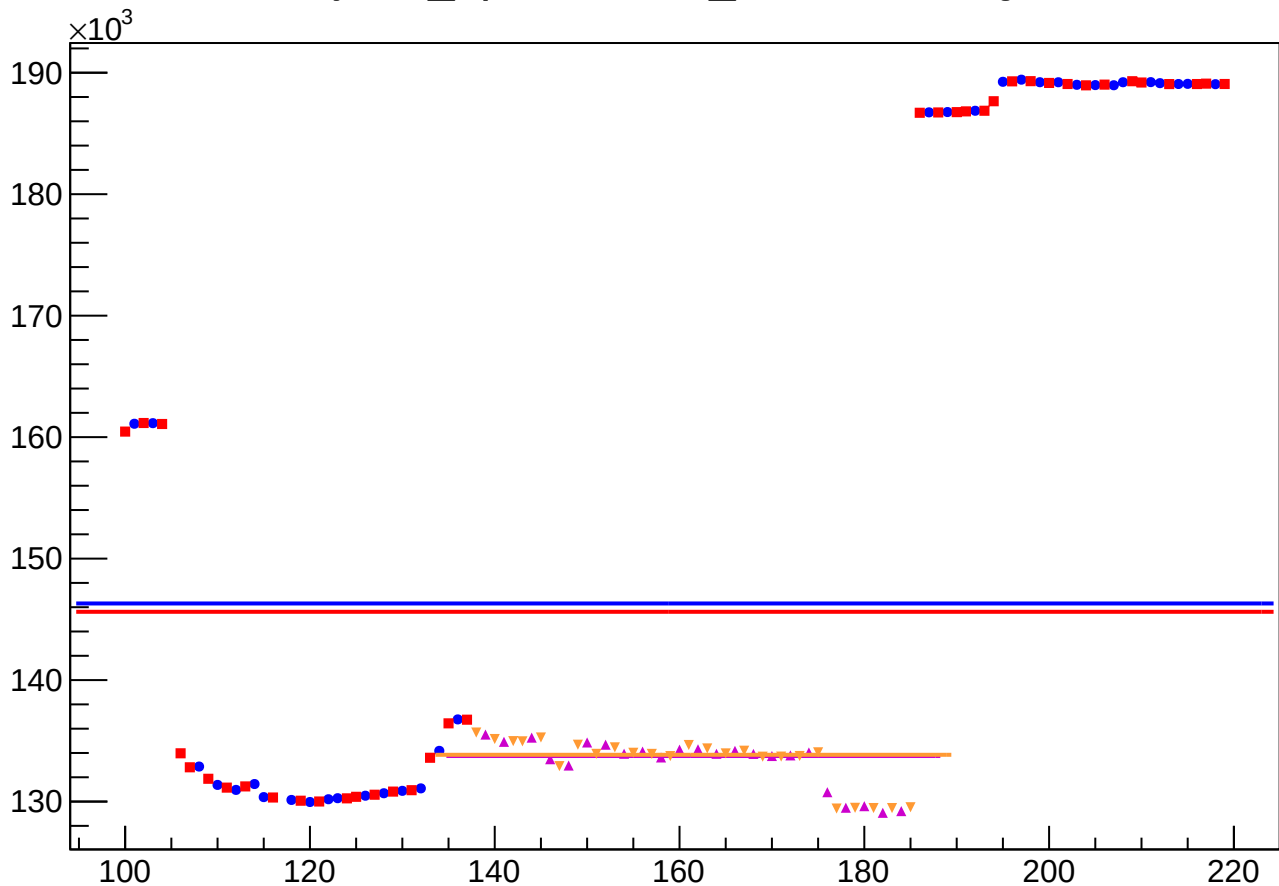
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 185.637 $\pm$ 0.023 χ^2 /NDF: 8296702.1/57

All: 184.018 $\pm$ 0.016 χ^2 /NDF: 17515099.6/1

- sign 182.441 $\pm$ 0.023 χ^2 /NDF: 9208777.3/59

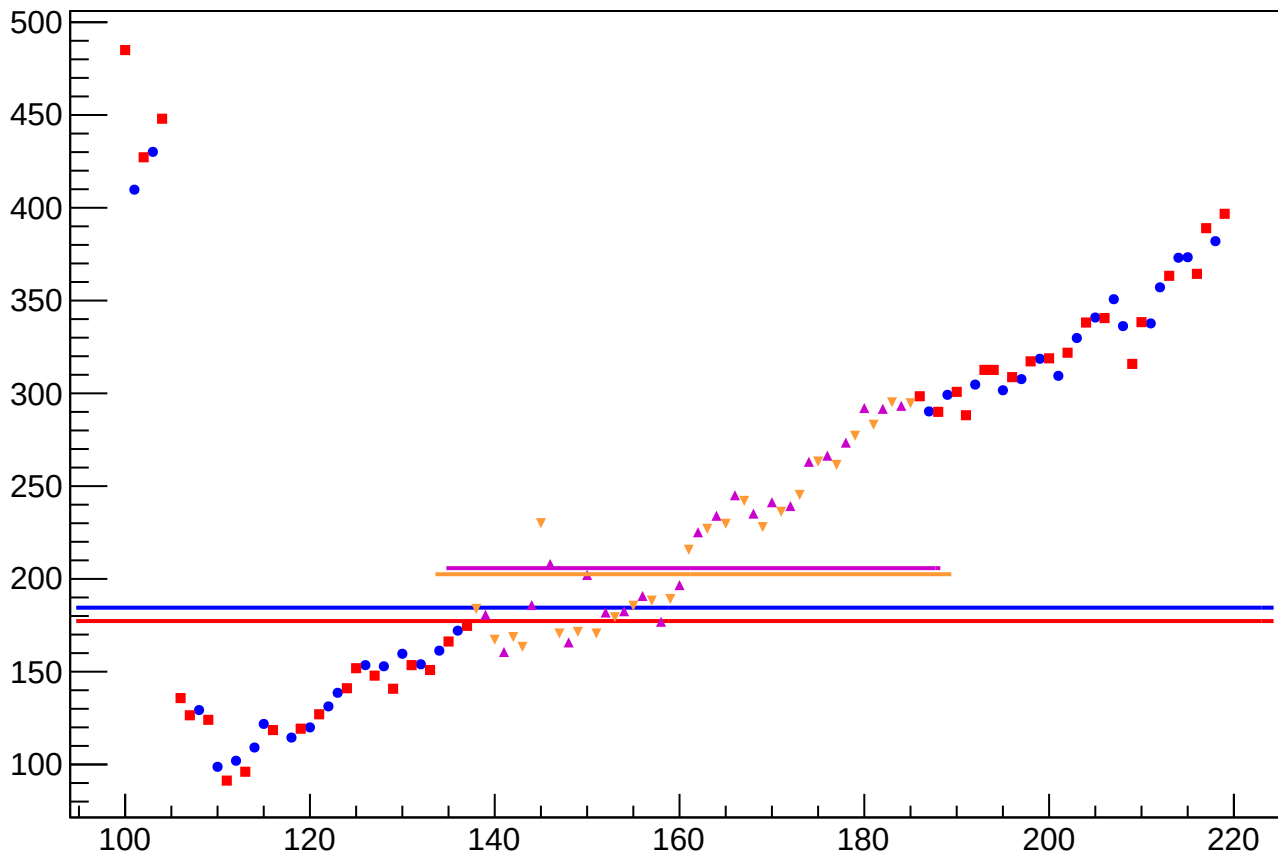
yield_bpm2i02WS_mean vs Slug



Right In: 146307.769 $\pm$ 0.049 χ^2 /NDF: 258292341575.5/32
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 145622.311 $\pm$ 0.046 χ^2 /NDF: 283560081089.5/36
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22

+ sign 139979.447 $\pm$ 0.034 χ^2 /NDF: 292206896618
 All: 140126.055 $\pm$ 0.024 χ^2 /NDF: 607090043
 - sign 140268.856 $\pm$ 0.034 χ^2 /NDF: 314847227394

yield_bpm2i02WS_rms vs Slug



Right In: 184.499+/-0.035 χ^2/NDF : 7505222.5/32

Left Out: 202.527+/-0.034 χ^2/NDF :1211991.5/24

Right Out: 177.290+/-0.032 χ^2/NDF : 8441727.5/36

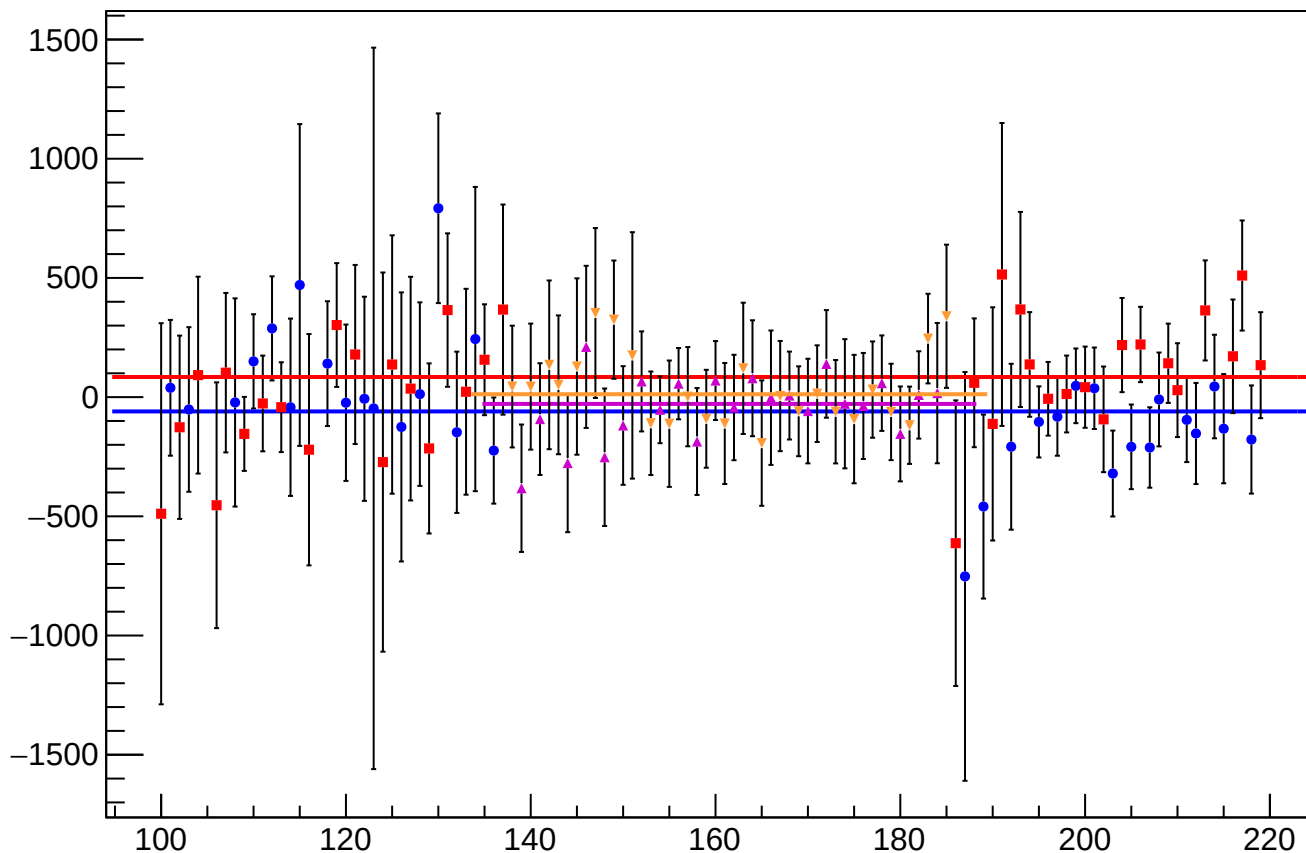
Left In: 205.808+/-0.036 χ^2/NDF :1094330.7/22

+ sign 193.657+/-0.024 χ^2/NDF : 8854759.5/57

All: 191.880+/-0.017 χ^2/NDF : 18751393.2/11

- sign 190.149+/-0.024 χ^2/NDF : 9886075.5/59

asym_bcm_an_ds_mean vs Slug



Right In: -59.995 ± 41.874 χ^2/NDF : 17.8/32

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 84.366 ± 40.971 χ^2/NDF : 18.9/36

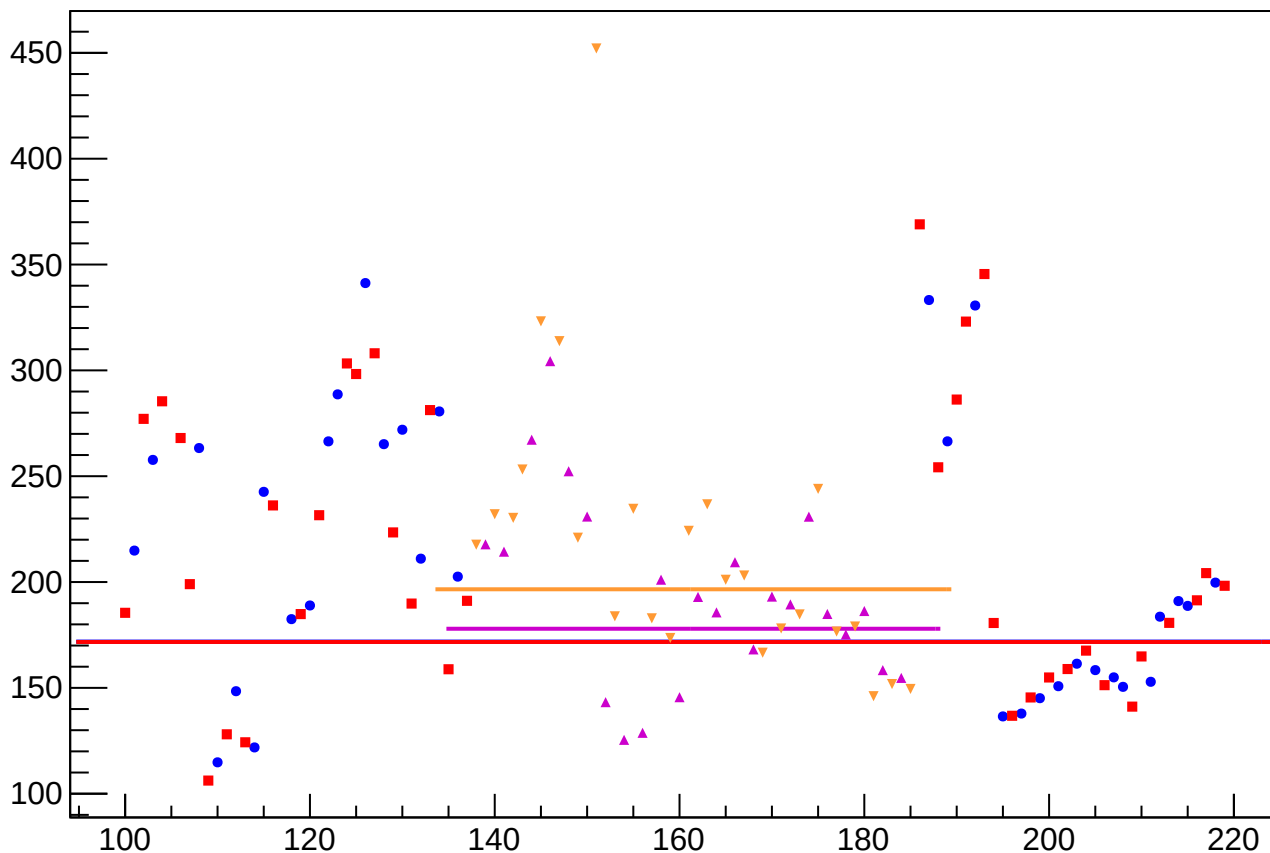
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign -28.456 ± 31.420 χ^2/NDF : 27.7/57

All: 3.408 ± 21.773 χ^2/NDF : 58.7/117

- sign 32.844 ± 30.200 χ^2/NDF : 29.1/59

asym_bcm_an_ds_rms vs Slug



Right In: 171.867 $\pm$ 0.030 χ^2 /NDF: 2212579.4/32

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF:1778719.0/24

Right Out: 171.688 $\pm$ 0.029 χ^2 /NDF: 2935986.0/36

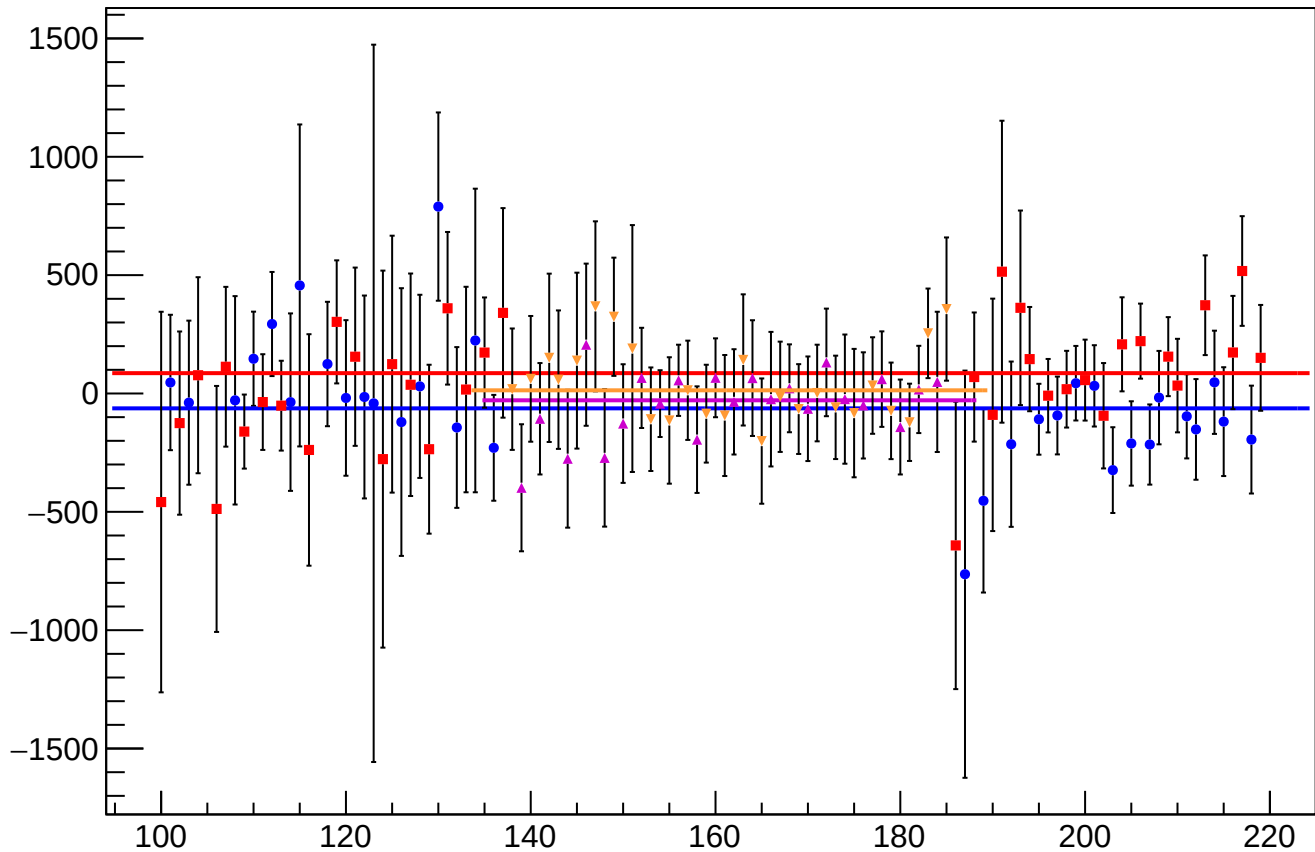
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 182.664 $\pm$ 0.022 χ^2 /NDF: 4295607.8/57

All: 178.441 $\pm$ 0.015 χ^2 /NDF: 8928102.4/117

- sign 174.540 $\pm$ 0.021 χ^2 /NDF: 4562986.0/59

asym_bcm_an_ds3_mean vs Slug



Right In: -62.813 ± 42.062 $\chi^2/\text{NDF}: 17.7/32$

Left Out: 13.395 ± 47.862 $\chi^2/\text{NDF}: 9.0/24$

Right Out: 85.913 ± 41.168 $\chi^2/\text{NDF}: 19.5/36$

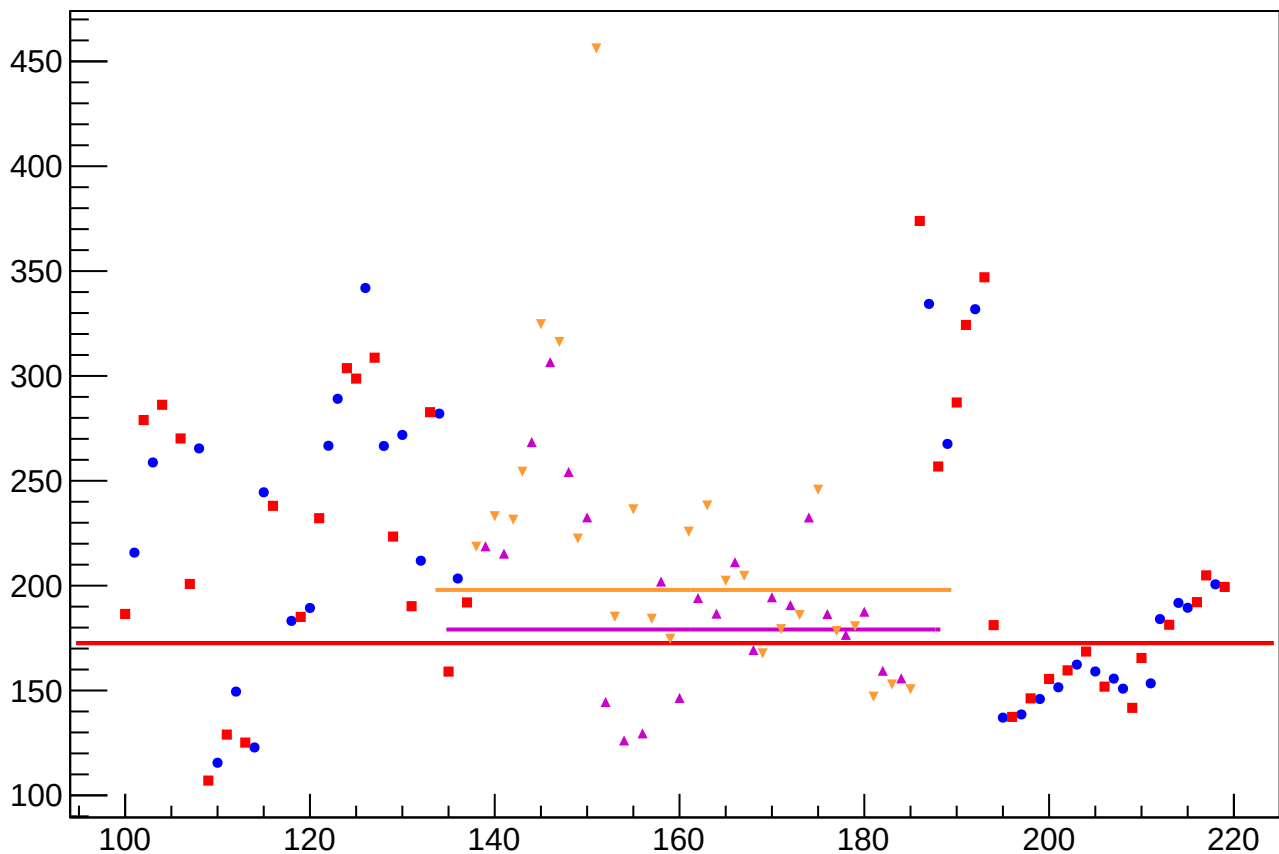
Left In: -28.806 ± 44.980 $\chi^2/\text{NDF}: 6.8/22$

+ sign -29.604 ± 31.595 $\chi^2/\text{NDF}: 28.1/57$

All: 3.259 ± 21.895 $\chi^2/\text{NDF}: 60.1/117$

- sign 33.619 ± 30.369 $\chi^2/\text{NDF}: 29.8/59$

asym_bcm_an_ds3_rms vs Slug



Right In: 172.662 $\pm$ 0.030 χ^2 /NDF: 2203857.8/32

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 172.525 $\pm$ 0.029 χ^2 /NDF: 2931309.5/36

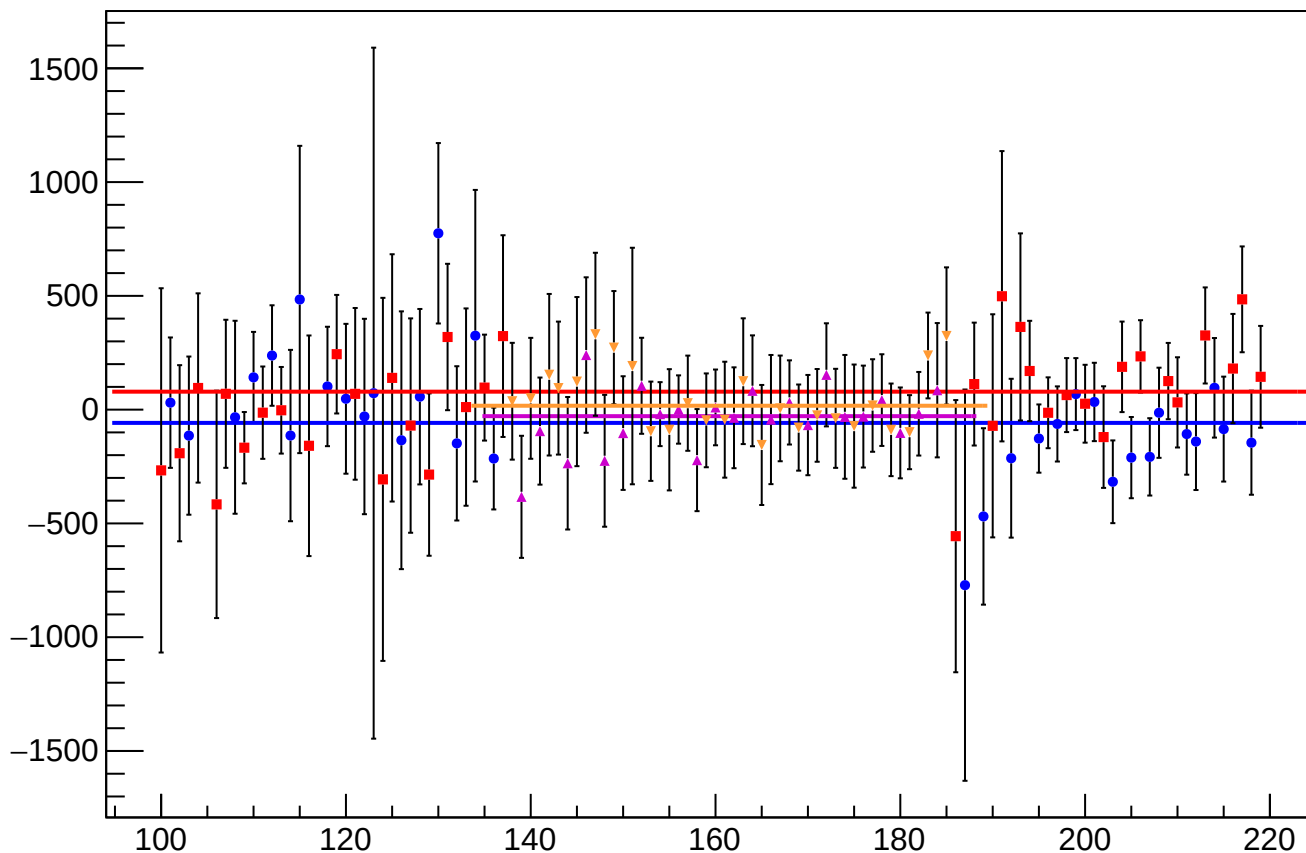
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 183.683 $\pm$ 0.022 χ^2 /NDF: 4293466.2/57

All: 179.439 $\pm$ 0.015 χ^2 /NDF: 8922498.8/117

- sign 175.518 $\pm$ 0.021 χ^2 /NDF: 4559602.5/59

asym_bcm_an_us_mean vs Slug



Right In: -58.222 ± 42.149 $\chi^2/\text{NDF}: 17.1/32$

Left Out: 17.142 ± 47.738 $\chi^2/\text{NDF}: 7.1/24$

Right Out: 78.985 ± 41.205 $\chi^2/\text{NDF}: 17.1/36$

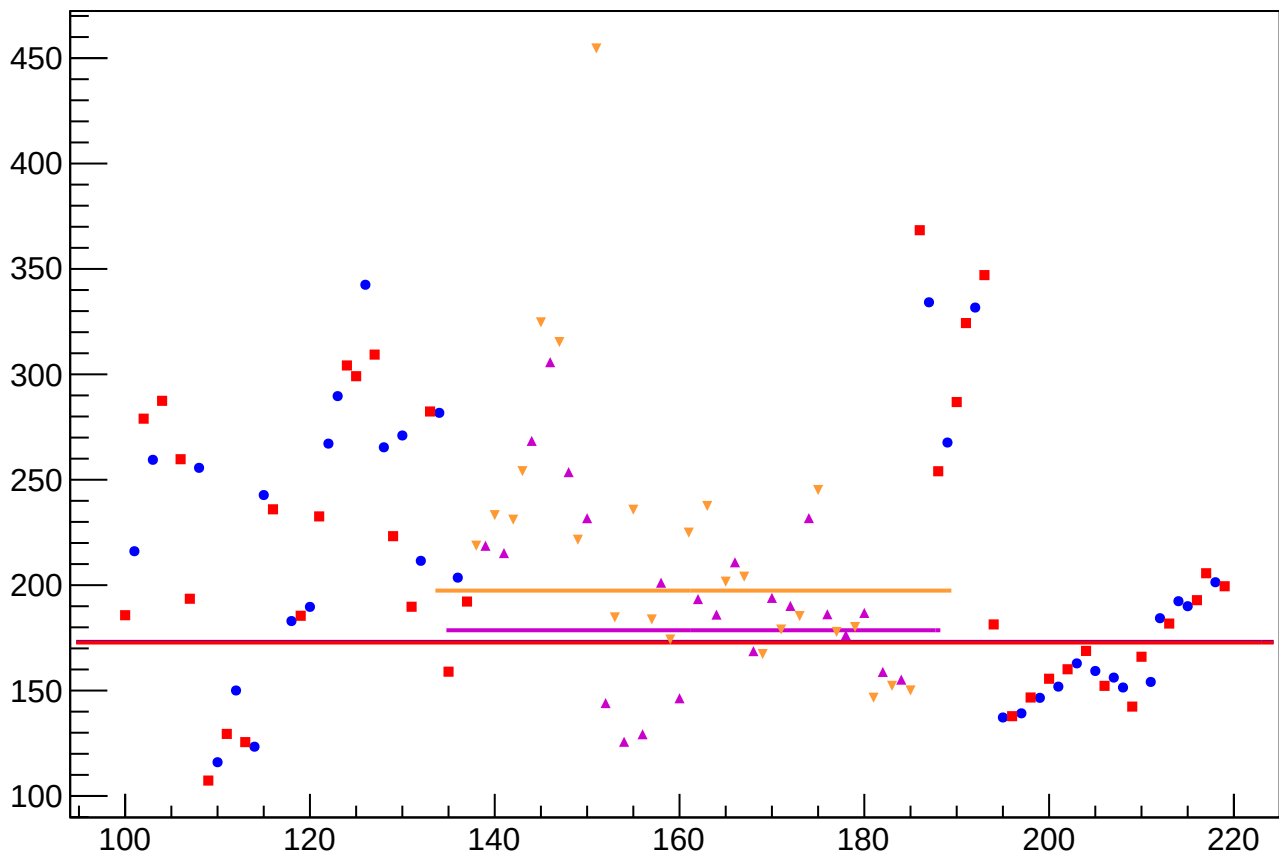
Left In: -28.655 ± 44.859 $\chi^2/\text{NDF}: 6.1/22$

+ sign -25.208 ± 31.596 $\chi^2/\text{NDF}: 25.6/57$

All: 3.367 ± 21.886 $\chi^2/\text{NDF}: 53.5/117$

- sign 29.727 ± 30.346 $\chi^2/\text{NDF}: 26.3/59$

asym_bcm_an_us_rms vs Slug



Right In: 173.098 $\pm$ 0.030 χ^2 /NDF: 2171976.5/32

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF:1780261.9/24

Right Out: 172.788 $\pm$ 0.029 χ^2 /NDF: 2884904.6/36

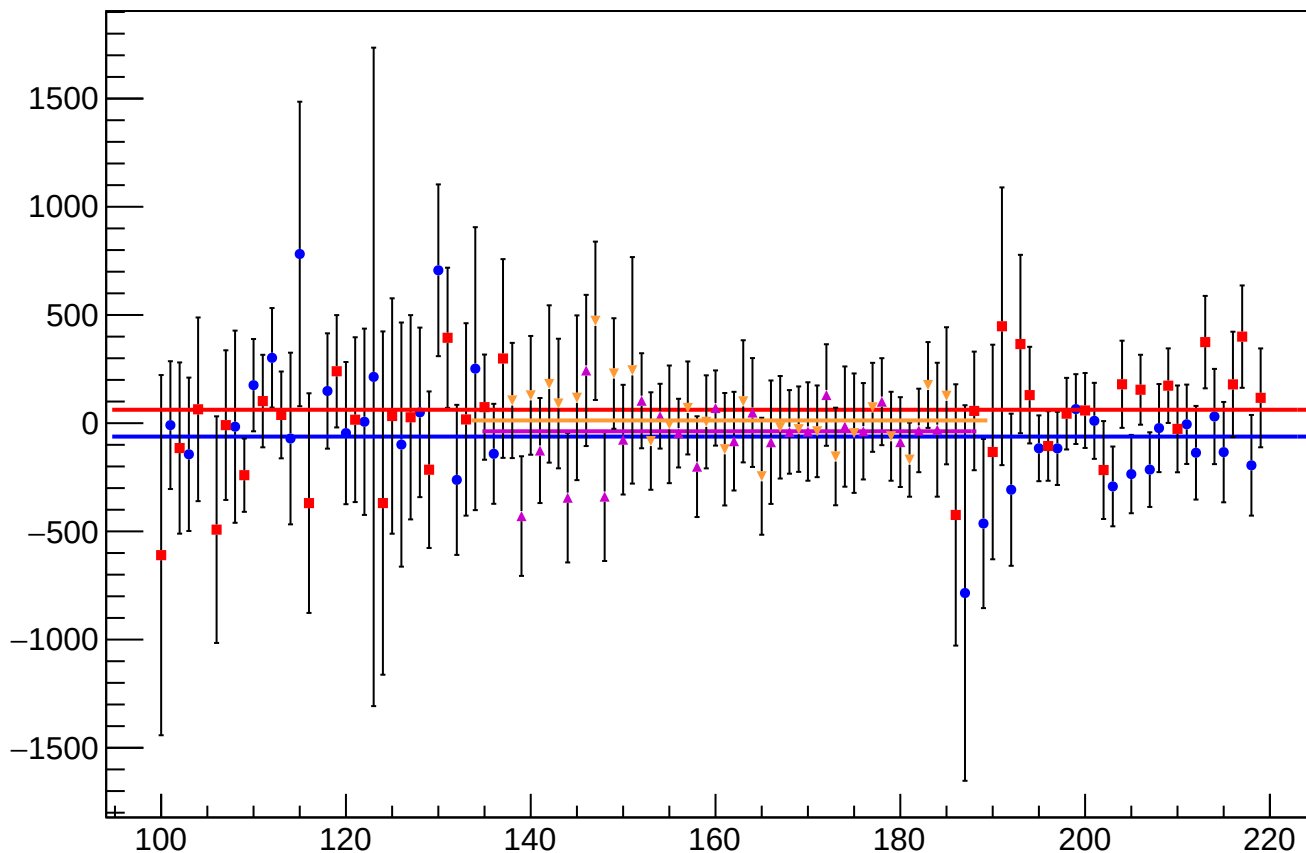
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF:1608998.1/22

+ sign 183.753 $\pm$ 0.022 χ^2 /NDF: 4244029.6/57

All: 179.433 $\pm$ 0.015 χ^2 /NDF: 8828019.1/117

- sign 175.448 $\pm$ 0.021 χ^2 /NDF: 4512118.2/59

asym_bcm_dg_us_mean vs Slug



Right In: -61.940 ± 43.036 χ^2/NDF : 17.9/32

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: 62.037 ± 42.258 χ^2/NDF : 18.8/36

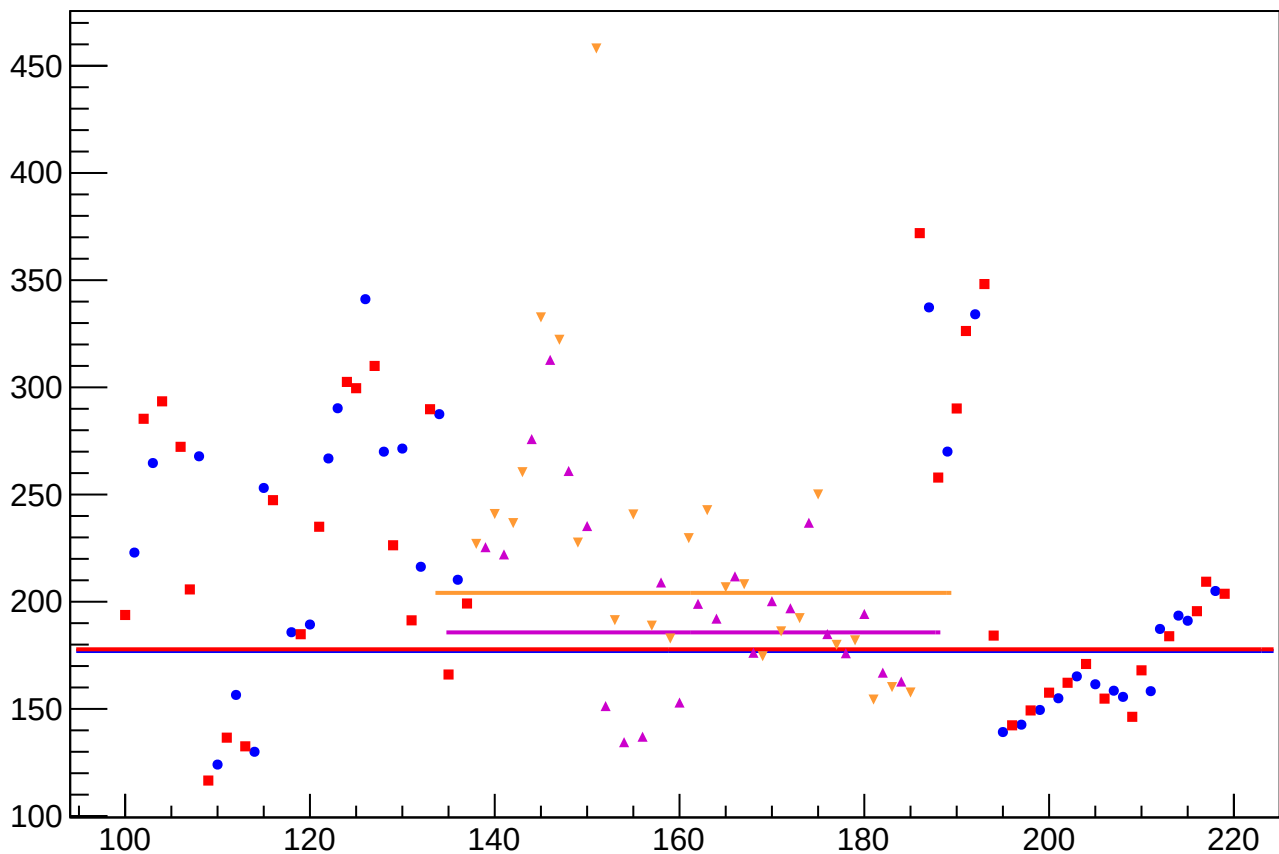
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign -29.647 ± 32.405 χ^2/NDF : 26.7/57

All: -5.484 ± 22.500 χ^2/NDF : 56.8/117

- sign 17.011 ± 31.267 χ^2/NDF : 29.0/59

asym_bcm_dg_us_rms vs Slug



Right In: 177.006 $\pm$ 0.030 χ^2 /NDF: 2085536.1/32

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 177.808 $\pm$ 0.030 χ^2 /NDF: 2691075.2/36

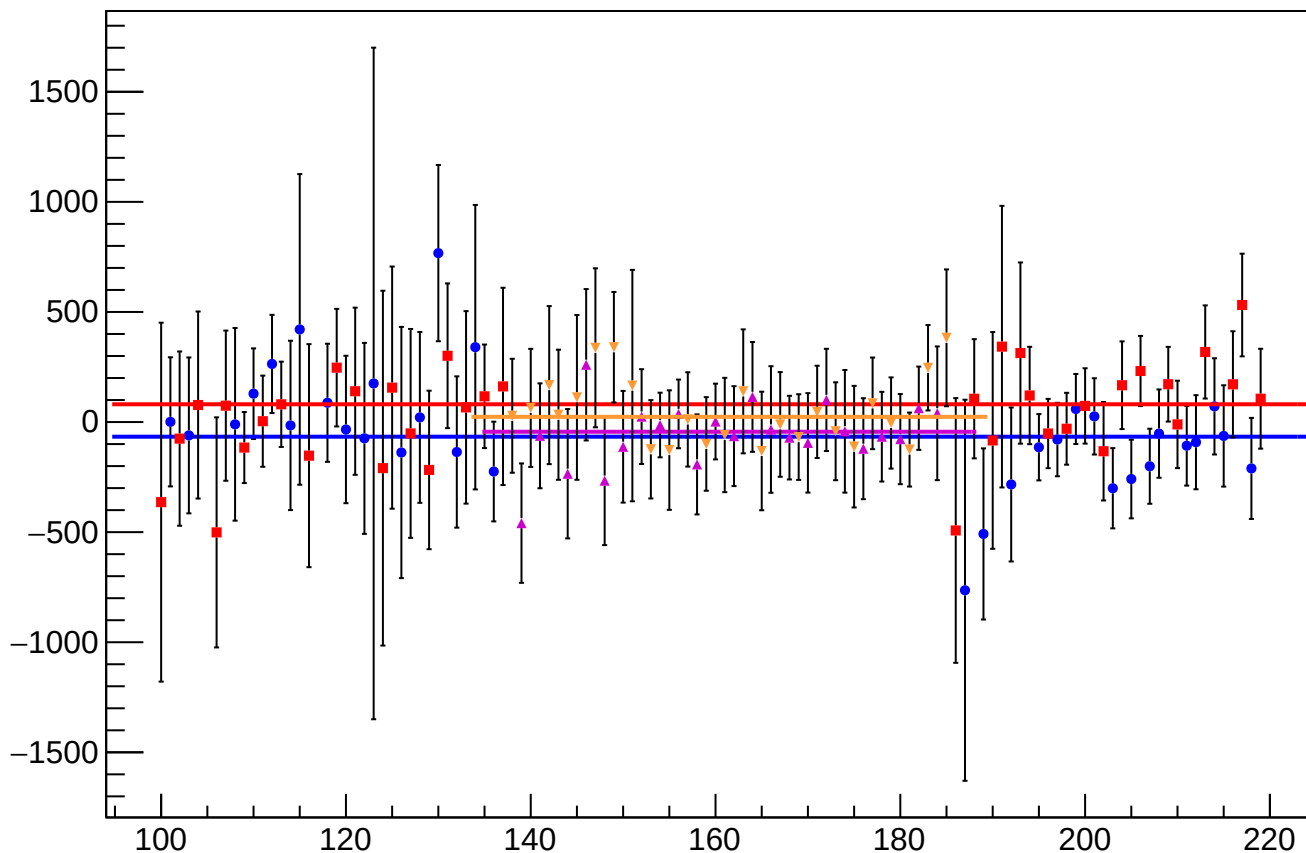
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 188.753 $\pm$ 0.023 χ^2 /NDF: 4101898.0/57

All: 184.933 $\pm$ 0.016 χ^2 /NDF: 8325921.1/117

- sign 181.377 $\pm$ 0.022 χ^2 /NDF: 4170356.0/59

asym_bcm_dg_ds_mean vs Slug



Right In: -66.524 ± 42.508 χ^2/NDF : 17.0/32

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 80.774 ± 41.627 χ^2/NDF : 15.7/36

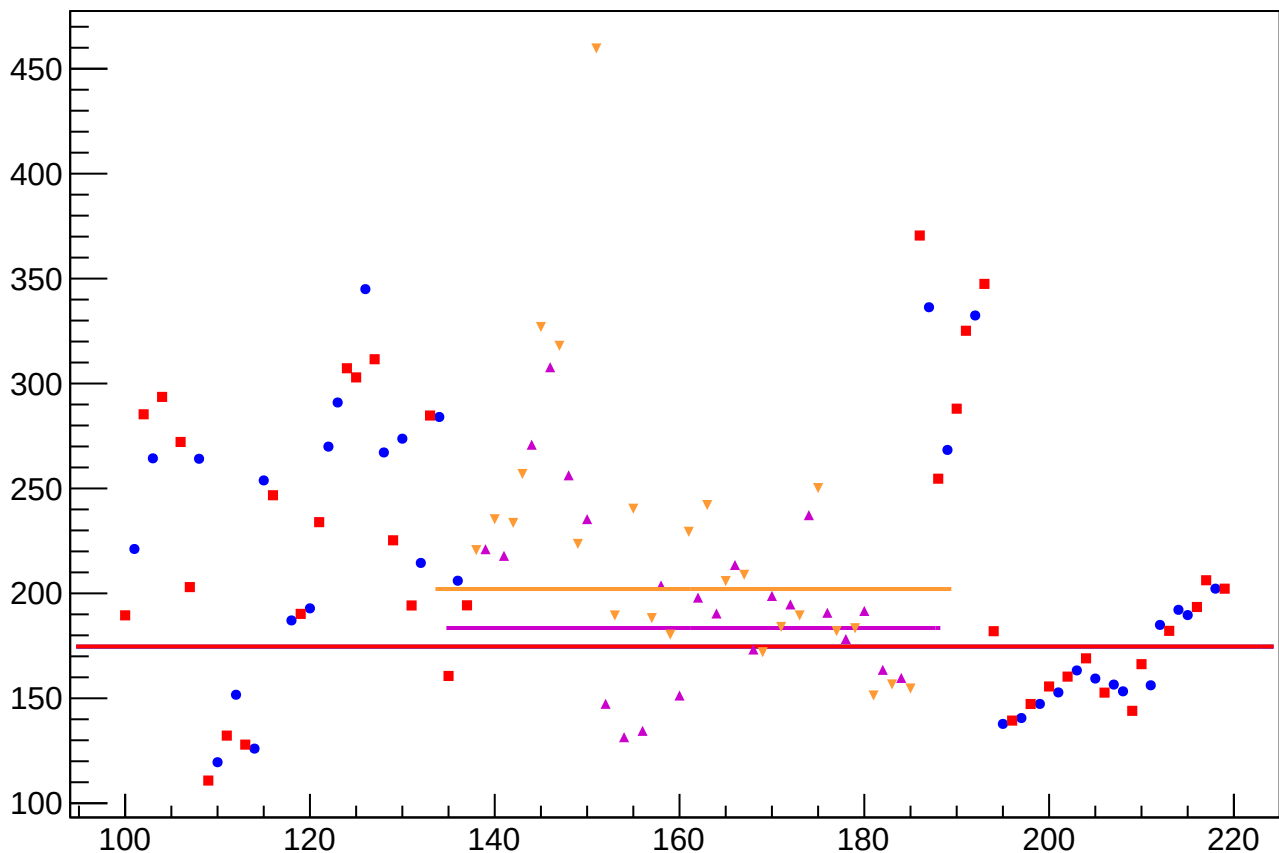
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign -27.523 ± 32.048 χ^2/NDF : 27.4/57

All: -0.486 ± 22.229 χ^2/NDF : 55.1/117

- sign 24.583 ± 30.859 χ^2/NDF : 26.3/59

asym_bcm_dg_ds_rms vs Slug



Right In: 174.610 $\pm$ 0.030 χ^2 /NDF: 2170448.7/32

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 174.690 $\pm$ 0.029 χ^2 /NDF: 2859143.0/36

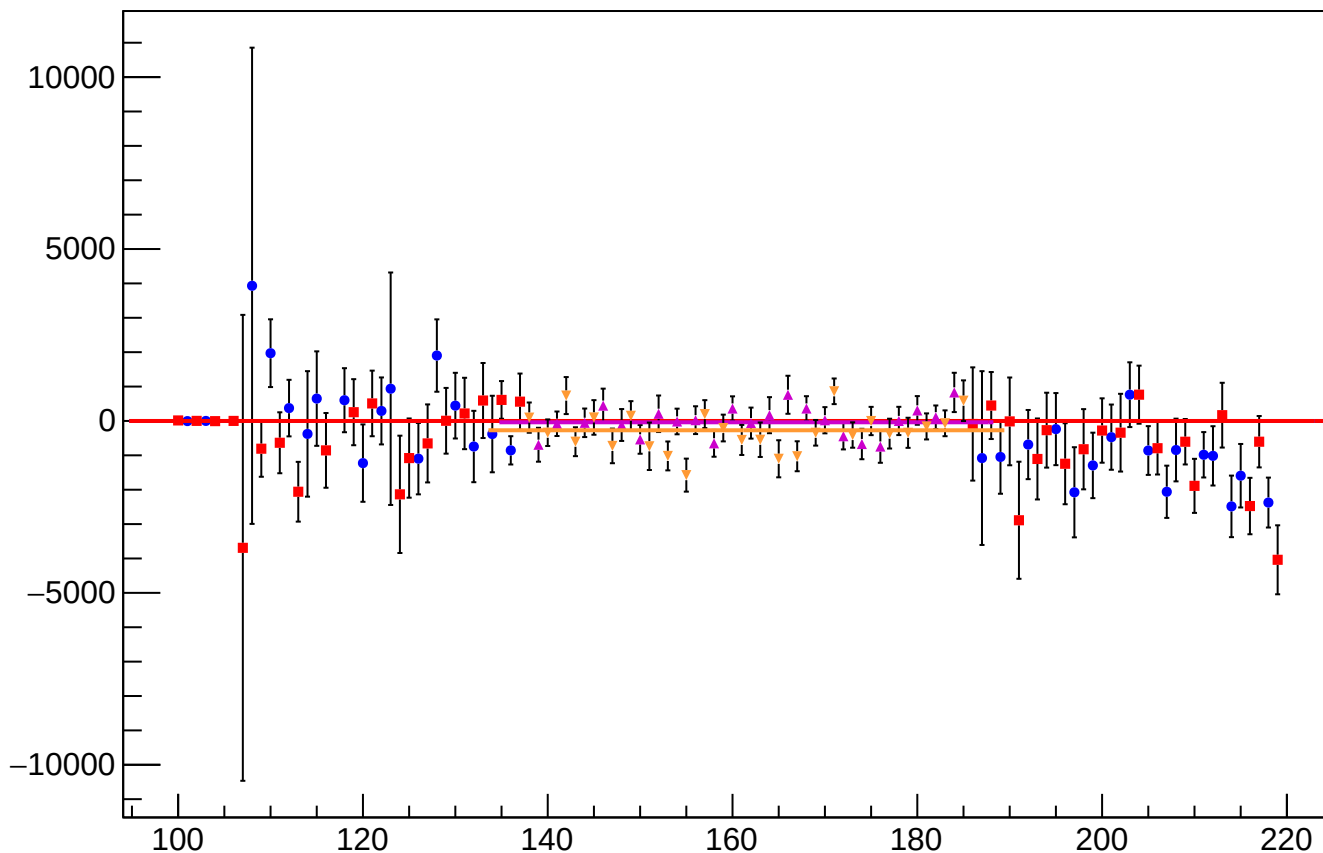
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 186.466 $\pm$ 0.023 χ^2 /NDF: 4223741.9/57

All: 182.414 $\pm$ 0.016 χ^2 /NDF: 8668201.3/117

- sign 178.658 $\pm$ 0.022 χ^2 /NDF: 4382857.5/59

asym_cav4bQ_mean vs Slug



Right In: -1.649 ± 2.251 χ^2/NDF : 58.9/32

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.801 ± 2.111 χ^2/NDF : 59.4/36

Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.830 ± 2.251 χ^2/NDF : 106.6/57

All: -1.294 ± 1.539 χ^2/NDF : 186.6/117

- sign -0.824 ± 2.110 χ^2/NDF : 79.9/59

asym_cav4bQ_rms vs Slug



Right In: 2.531 $\pm$ 0.002 χ^2 /NDF: 33448481.1/32

Left Out: 368.397 $\pm$ 0.061 χ^2 /NDF:622466.1/24

Right Out: 2.505 $\pm$ 0.001 χ^2 /NDF: 35585748.3/36

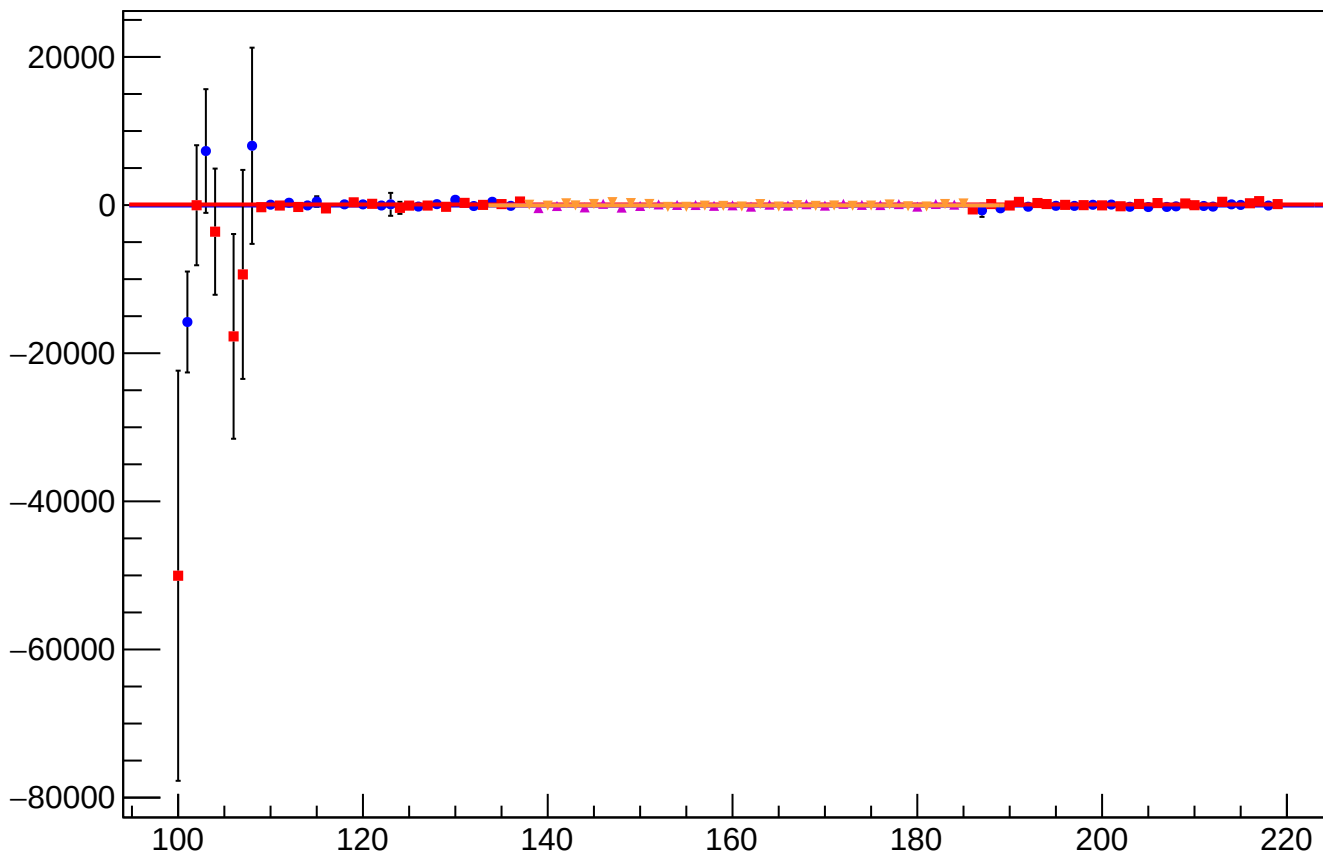
Left In: 360.408 $\pm$ 0.062 χ^2 /NDF:417739.4/22

+ sign 2.776 $\pm$ 0.002 χ^2 /NDF: 69443864.6/57

All: 2.742 $\pm$ 0.001 χ^2 /NDF: 138685394.9/117

- sign 2.712 $\pm$ 0.001 χ^2 /NDF: 69240655.2/59

asym_cav4cQ_mean vs Slug



Right In: -58.757 ± 46.190 χ^2/NDF : 22.0/32

Left Out: -38.013 ± 49.628 χ^2/NDF : 9.3/24

Right Out: 82.086 ± 45.849 χ^2/NDF : 28.4/36

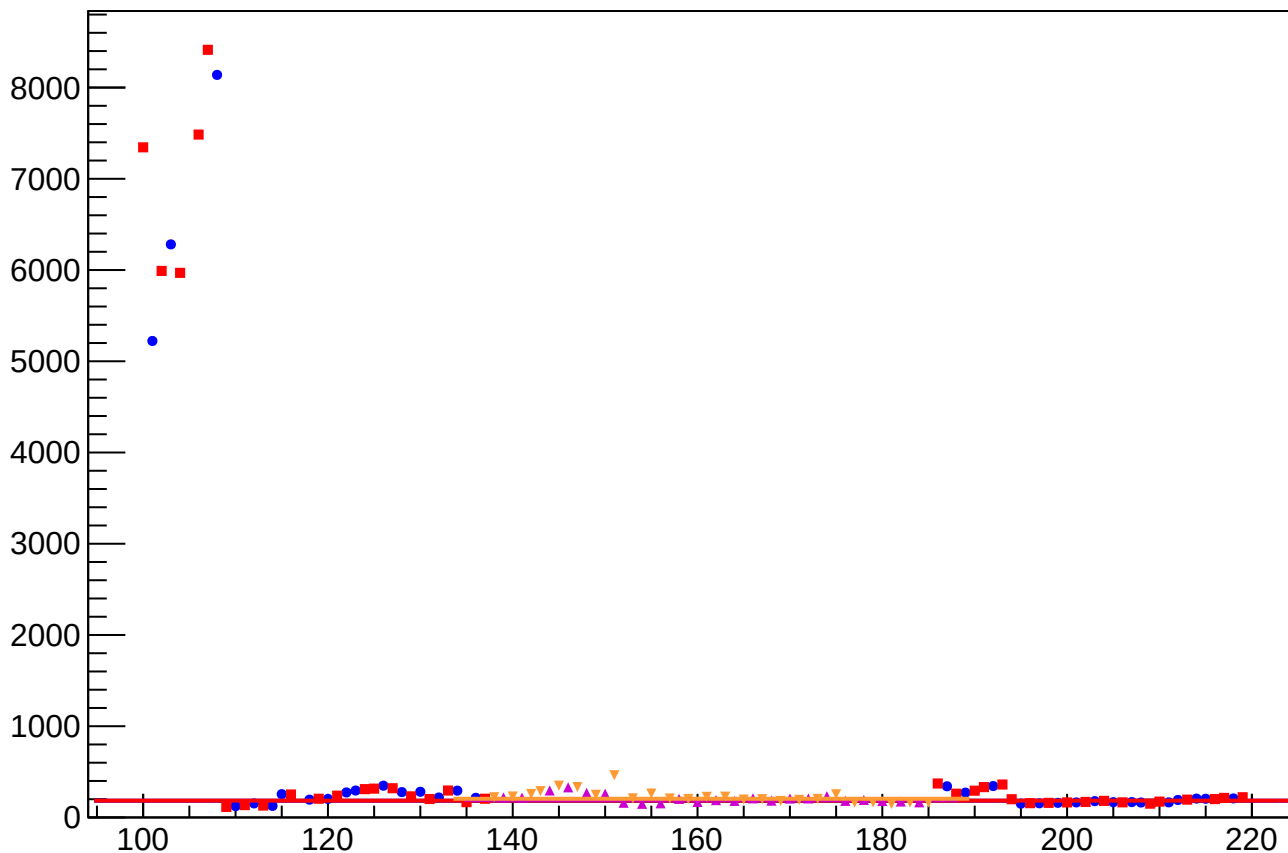
Left In: -28.205 ± 48.167 χ^2/NDF : 9.2/22

+ sign -49.129 ± 33.811 χ^2/NDF : 31.4/57

All: -9.028 ± 23.693 χ^2/NDF : 74.5/117

- sign 29.658 ± 33.209 χ^2/NDF : 40.3/59

asym_cav4cQ_rms vs Slug



Right In: 183.013 $\pm$ 0.033 χ^2 /NDF: 4604747.7/32

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 184.311 $\pm$ 0.032 χ^2 /NDF: 5519081.4/36

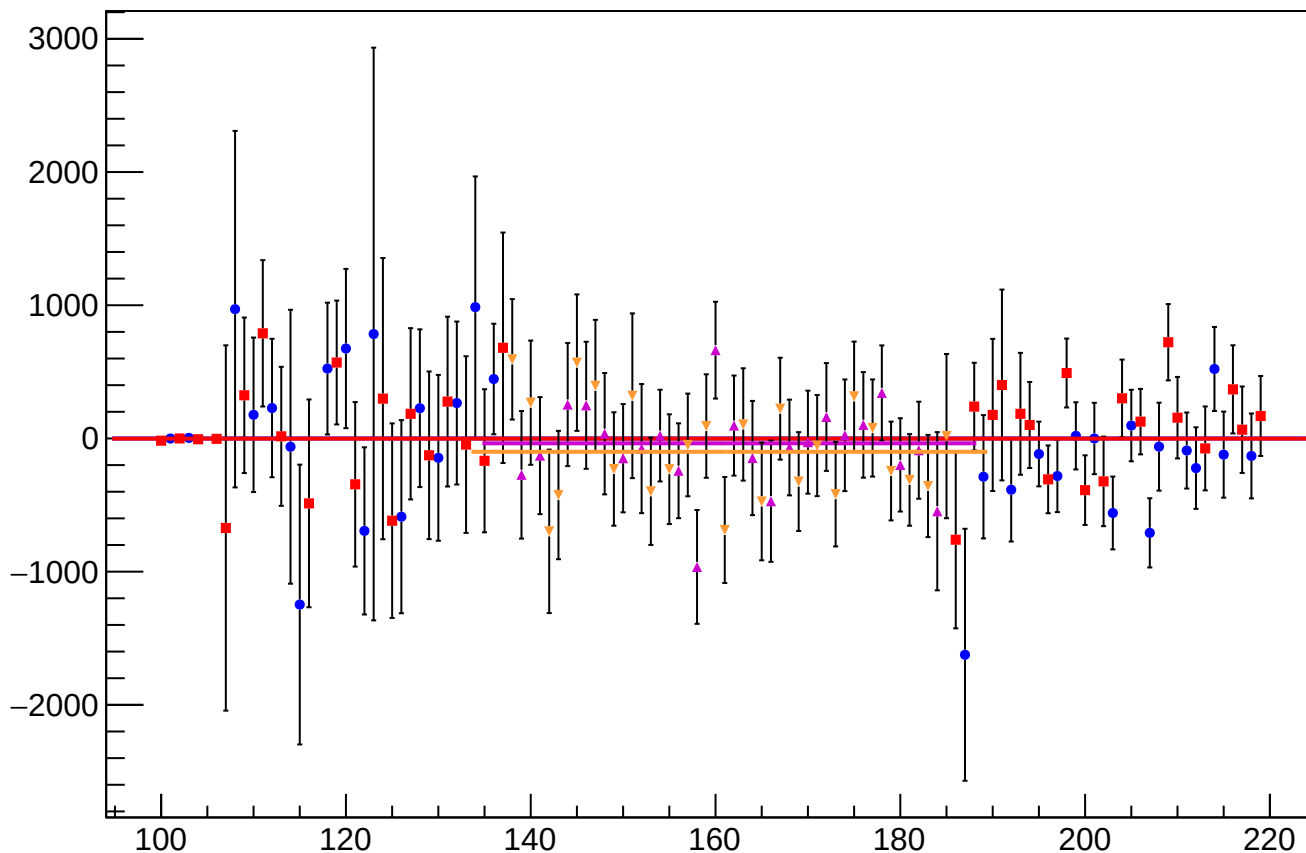
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 193.231 $\pm$ 0.024 χ^2 /NDF: 6771653.2/57

All: 190.891 $\pm$ 0.017 χ^2 /NDF: 13519121.3/11

- sign 188.634 $\pm$ 0.023 χ^2 /NDF: 6728649.5/59

asym_cav4dQ_mean vs Slug



Right In: -0.227 ± 1.736 χ^2/NDF : 31.1/32

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.272 ± 1.622 χ^2/NDF : 29.7/36

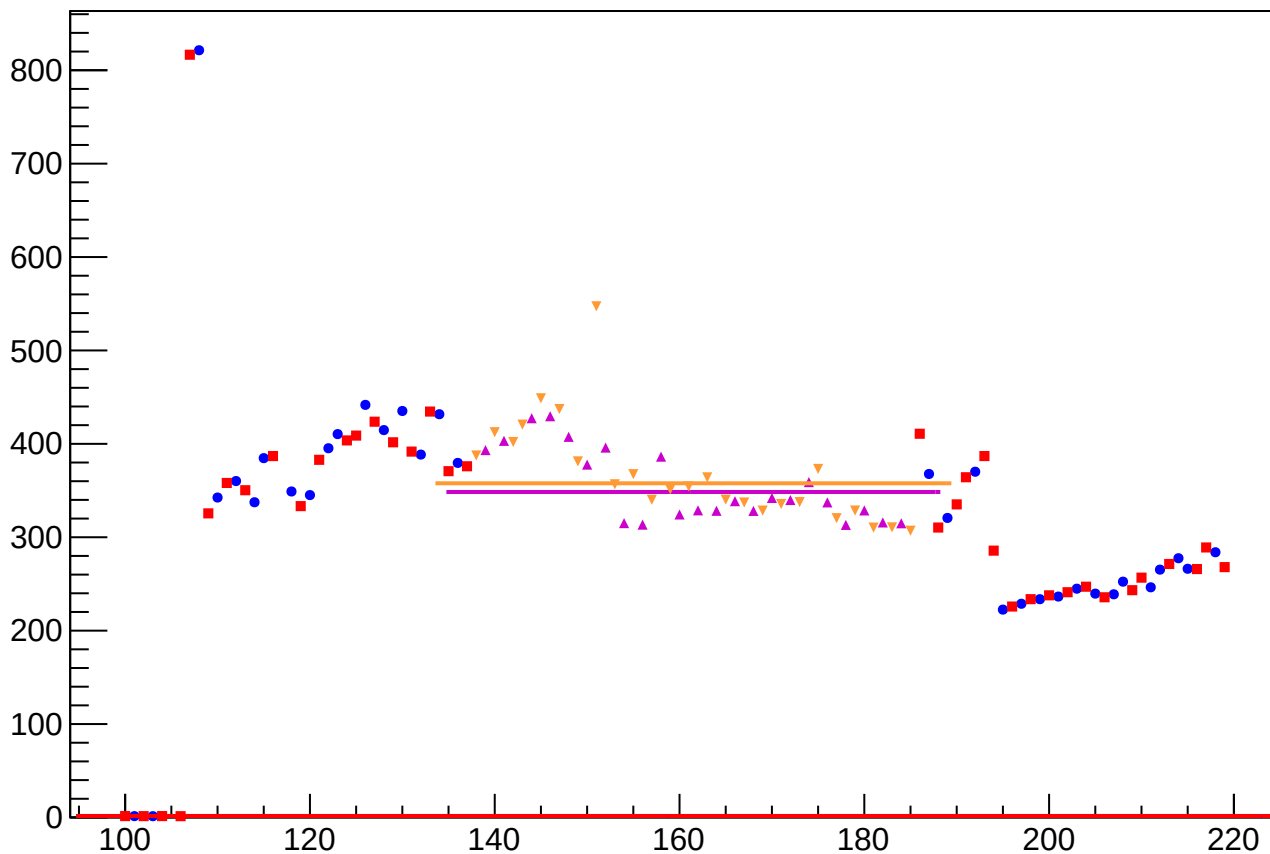
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.270 ± 1.736 χ^2/NDF : 48.2/57

All: -0.812 ± 1.185 χ^2/NDF : 91.9/117

- sign -1.285 ± 1.622 χ^2/NDF : 43.4/59

asym_cav4dQ_rms vs Slug



Right In: 1.586 ± 0.001 $\chi^2/\text{NDF}: 33646555.4/32$

Left Out: 357.771 ± 0.060 $\chi^2/\text{NDF}: 547124.8/24$

Right Out: 1.572 ± 0.001 $\chi^2/\text{NDF}: 35287544.7/36$

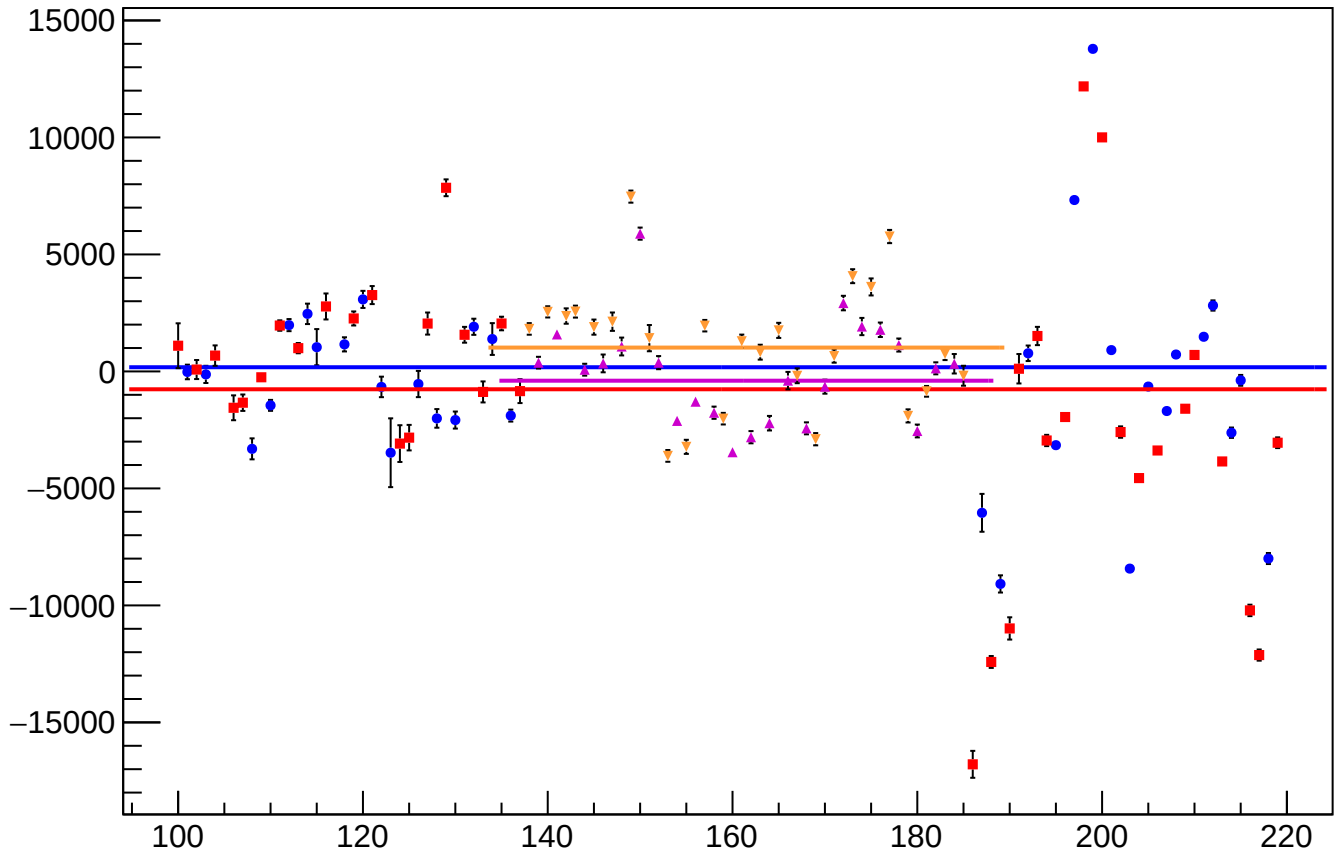
Left In: 348.464 ± 0.060 $\chi^2/\text{NDF}: 360425.7/22$

+ sign 1.738 ± 0.001 $\chi^2/\text{NDF}: 69976720.8/57$

All: 1.717 ± 0.001 $\chi^2/\text{NDF}: 139179433.5/117$

- sign 1.699 ± 0.001 $\chi^2/\text{NDF}: 69202174.4/59$

asym_bcm0l02_mean vs Slug



Right In: 178.988 $\pm$ 45.739 χ^2 /NDF: 12424.0/32

Left Out: 1018.965 $\pm$ 57.402 χ^2 /NDF: 2310.1/24

Right Out: -763.132 $\pm$ 44.580 χ^2 /NDF: 17903.7/36

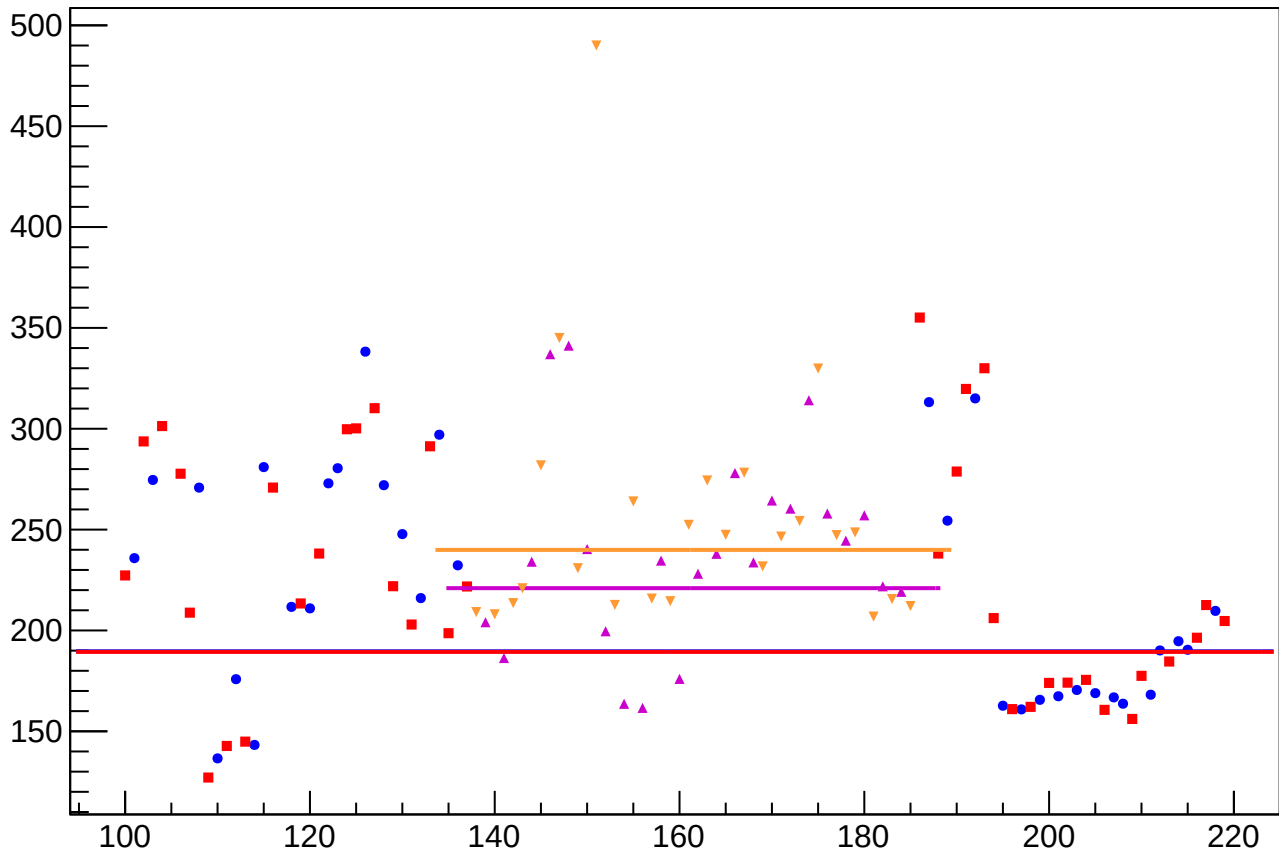
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF: 1581.0/22

+ sign 505.192 $\pm$ 35.772 χ^2 /NDF: 14865.1/57

All: -74.259 $\pm$ 24.890 χ^2 /NDF: 34885.2/117

- sign -618.095 $\pm$ 34.655 χ^2 /NDF: 19511.4/59

asym_bcm0l02_rms vs Slug



Right In: 189.656 $\pm$ 0.032 χ^2 /NDF: 1562244.1/32

Left Out: 239.942 $\pm$ 0.041 χ^2 /NDF:1000770.0/24

Right Out: 189.387 $\pm$ 0.032 χ^2 /NDF: 2154007.4/36

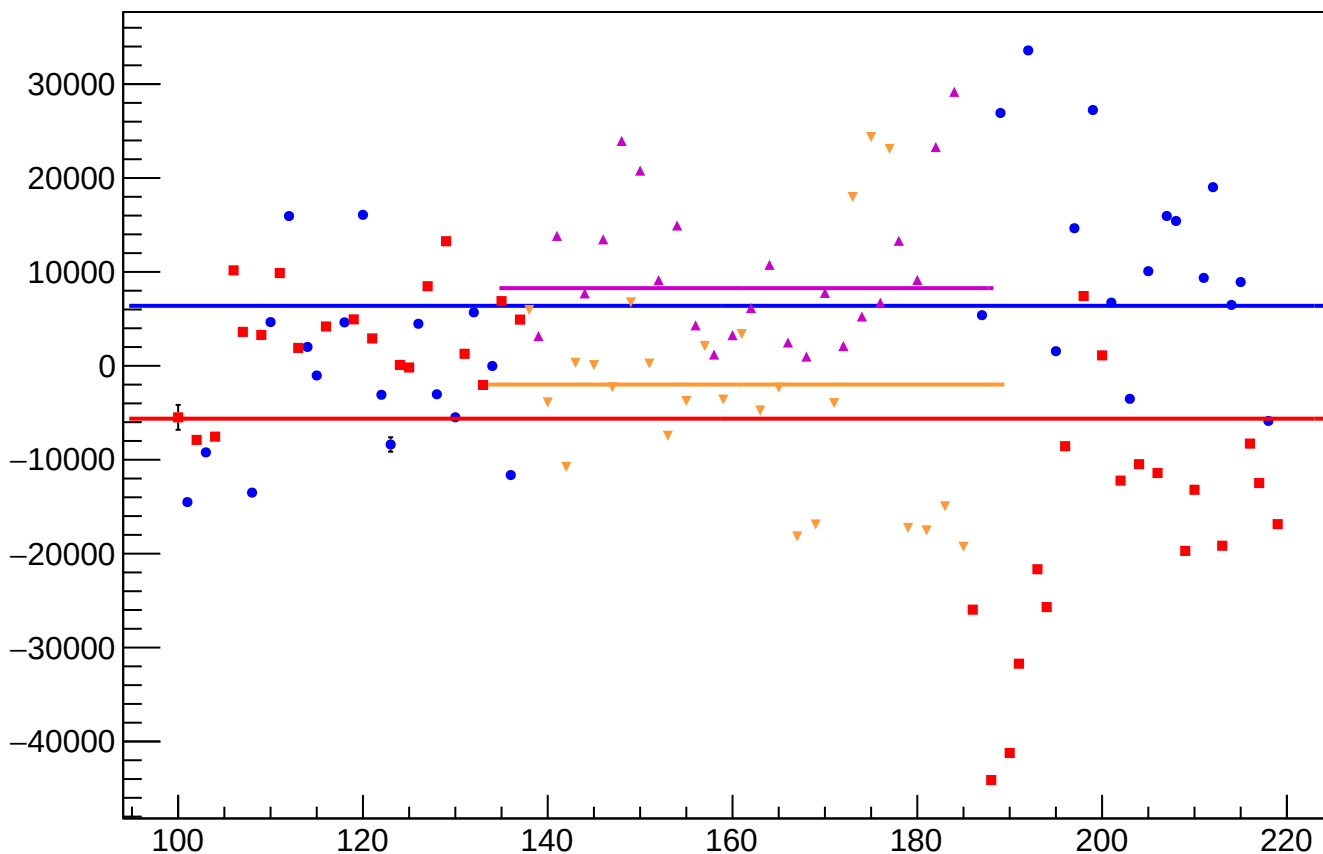
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 209.185 $\pm$ 0.025 χ^2 /NDF: 3501789.0/57

All: 205.419 $\pm$ 0.018 χ^2 /NDF: 7423706.4/117

- sign 201.885 $\pm$ 0.025 χ^2 /NDF: 3878956.8/59

asym_bpm0i02WS_mean vs Slug



Right In: 6390.764+/-39.206 χ^2/NDF : 96018.3/32

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -5624.144+/-37.551 χ^2/NDF : 146871.1/36

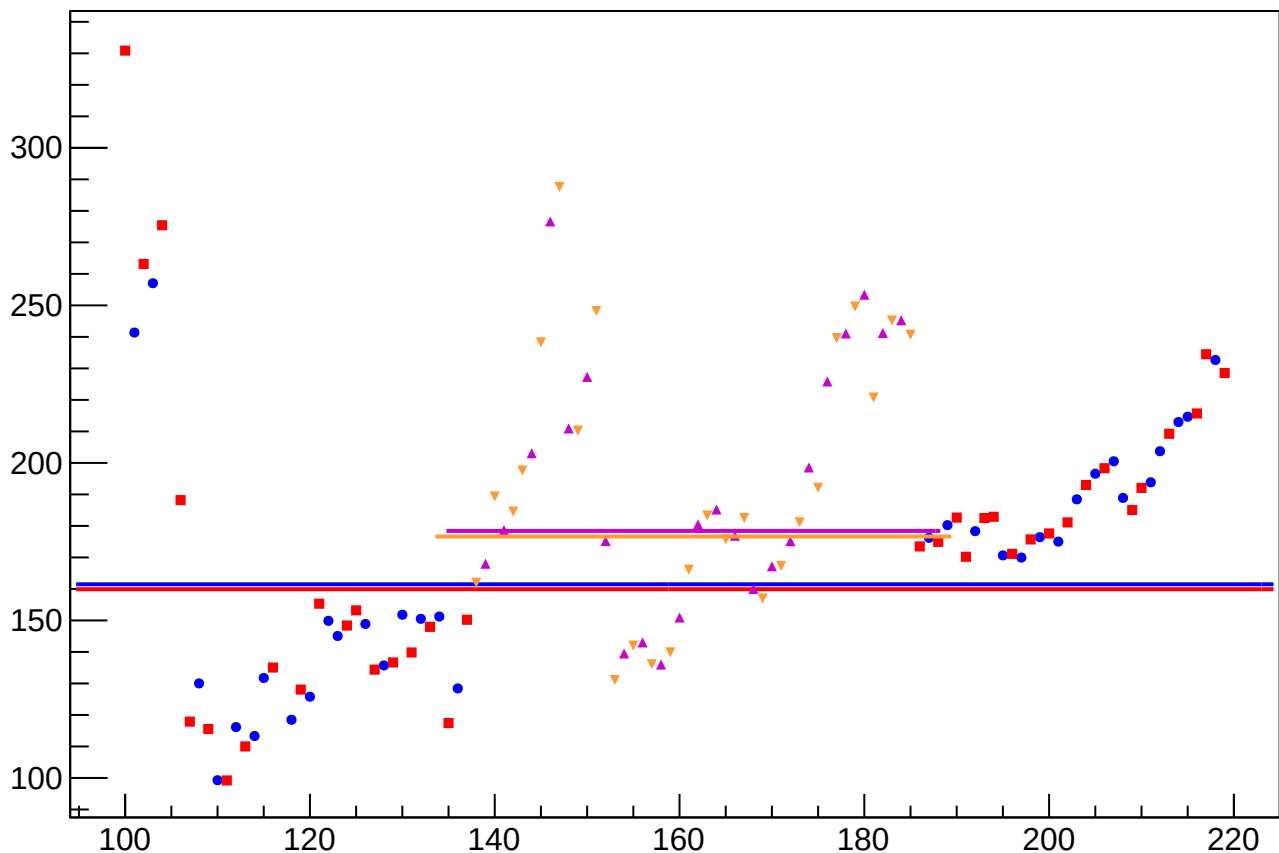
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 2529.660+/-28.794 χ^2/NDF : 180840.8/57

All: 1351.883+/-20.308 χ^2/NDF : 411175.6/11

- sign 186.272+/-28.645 χ^2/NDF : 227006.0/59

asym_bpm0i02WS_rms vs Slug



Right In: 161.476+/-0.028 χ^2/NDF : 1777563.0/32

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 159.906+/-0.027 χ^2/NDF : 2145050.8/36

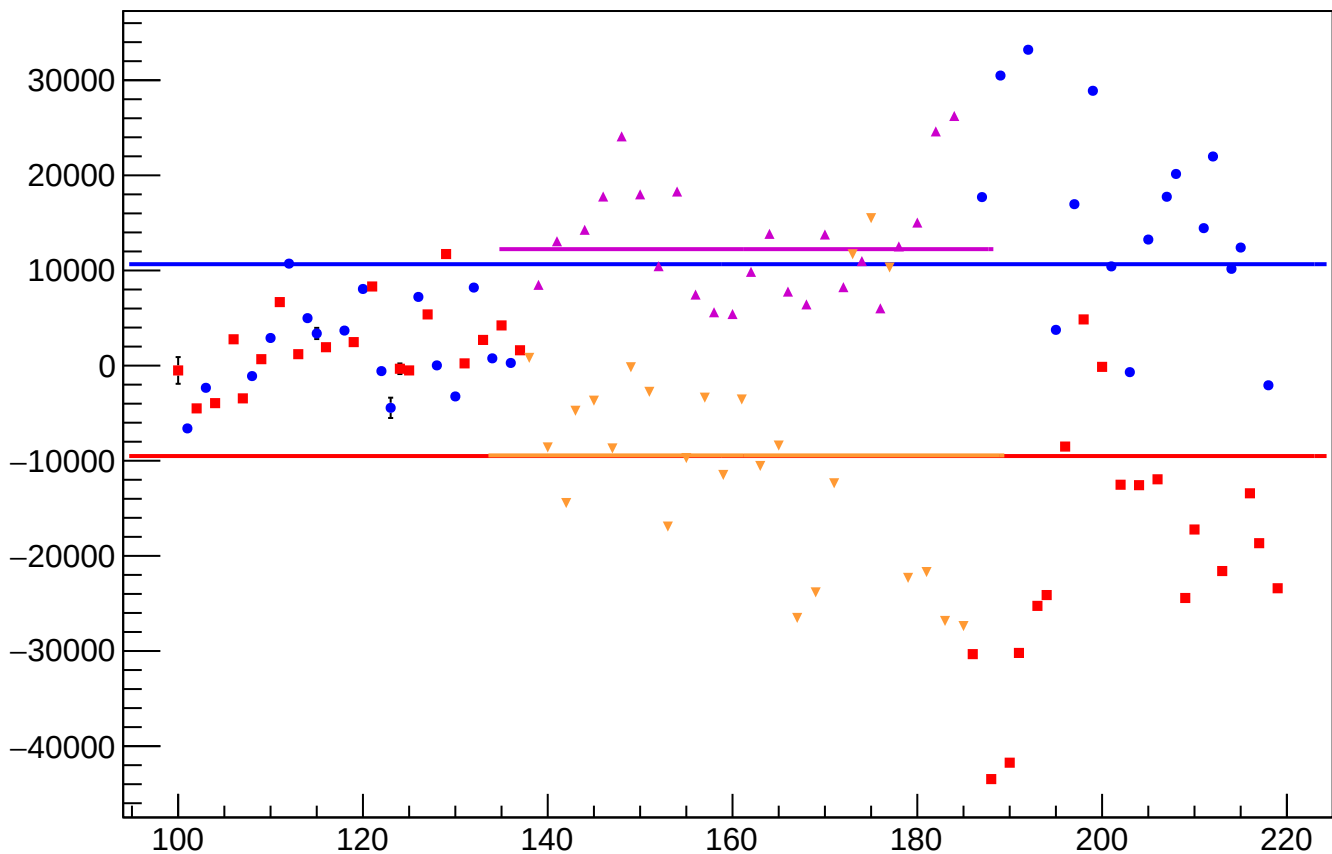
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 168.461+/-0.020 χ^2/NDF : 3466433.5/57

All: 168.050+/-0.014 χ^2/NDF : 7109146.8/117

- sign 167.644+/-0.020 χ^2/NDF : 3641903.3/59

asym_bpm0i02aWS_mean vs Slug



Right In: 10660.821 $\pm$ 42.981 χ^2 /NDF: 57632.3/32

Left Out: -9437.408 $\pm$ 45.534 χ^2 /NDF:62220.4/24

Right Out: -9506.011 $\pm$ 41.283 χ^2 /NDF: 120349.6/36

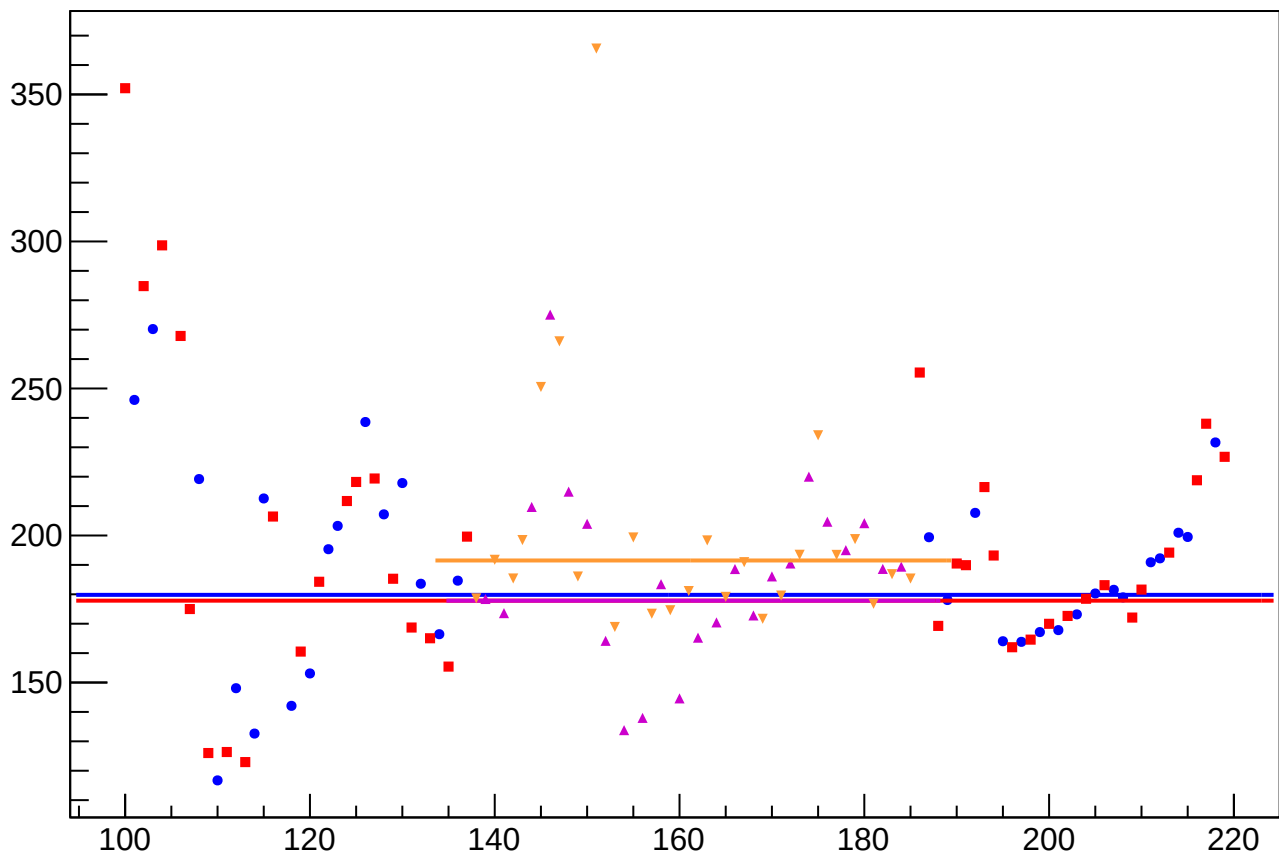
Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF:16615.8/22

+ sign 1190.984 $\pm$ 31.256 χ^2 /NDF: 222878.8/57

All: 930.750 $\pm$ 21.677 χ^2 /NDF: 490083.8/117

- sign 689.593 $\pm$ 30.088 χ^2 /NDF: 267071.4/59

asym_bpm0i02aWS_rms vs Slug



Right In: 179.813 $\pm$ 0.030 χ^2 /NDF: 900735.9/32

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 177.840 $\pm$ 0.029 χ^2 /NDF: 1388827.0/36

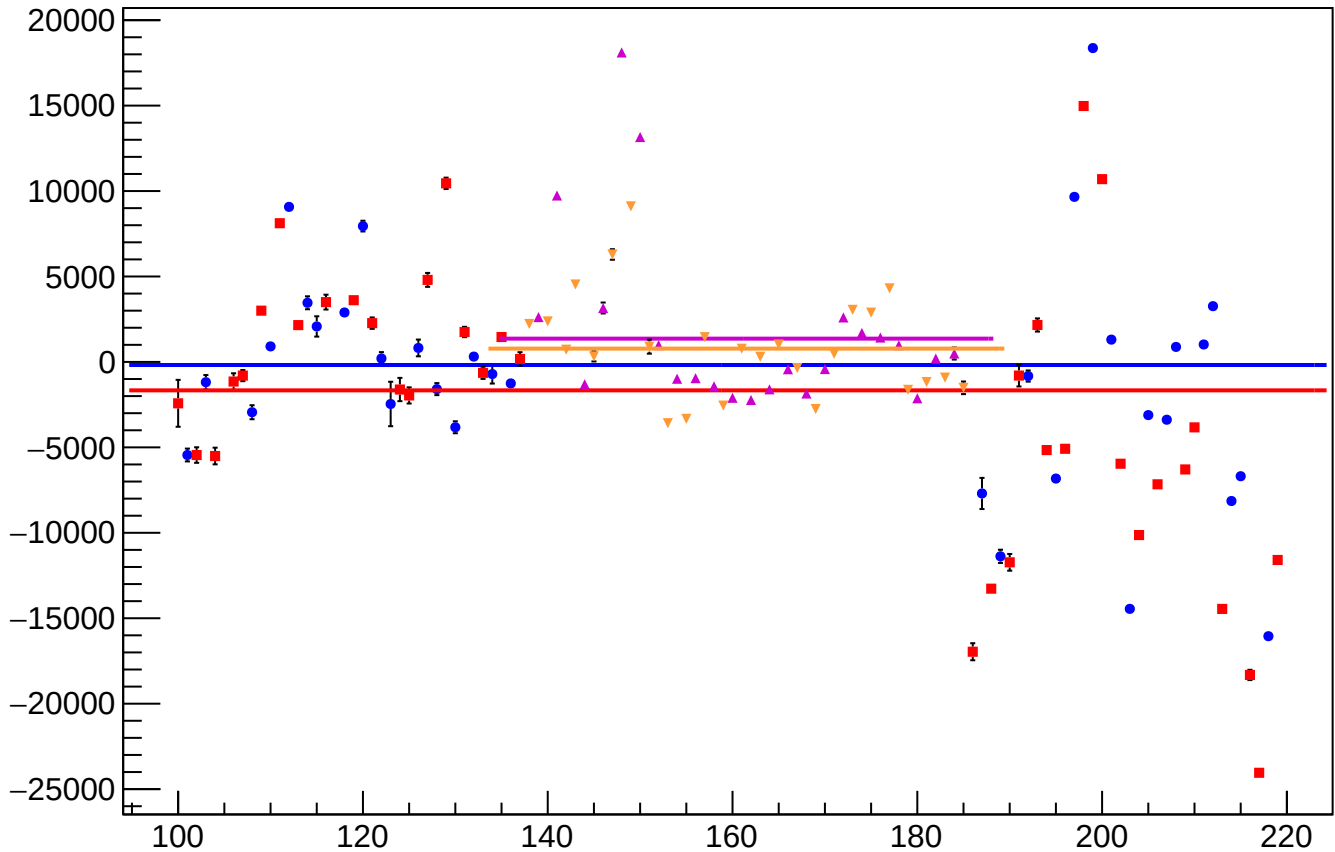
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 185.323 $\pm$ 0.022 χ^2 /NDF: 1697739.8/57

All: 181.435 $\pm$ 0.015 χ^2 /NDF: 4008694.0/117

- sign 177.832 $\pm$ 0.021 χ^2 /NDF: 2251321.5/59

asym_bpm0i05WS_mean vs Slug



Right In: -179.708 ± 48.117 $\chi^2/\text{NDF}: 25497.0/32$

Left Out: 779.983 ± 47.457 $\chi^2/\text{NDF}: 4260.8/24$

Right Out: -1663.290 ± 46.406 $\chi^2/\text{NDF}: 35770.8/36$

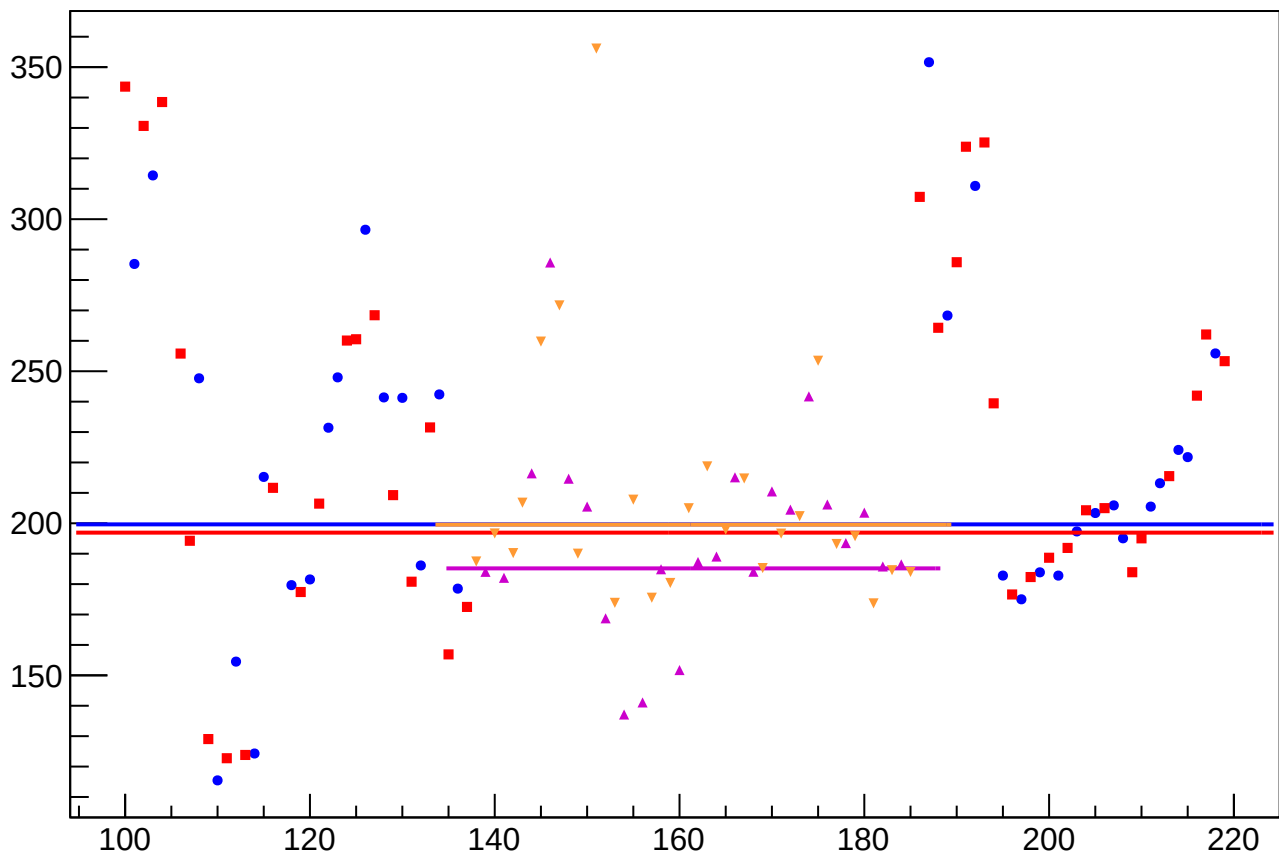
Left In: 1363.043 ± 45.807 $\chi^2/\text{NDF}: 11632.9/22$

+ sign 306.762 ± 33.788 $\chi^2/\text{NDF}: 29959.4/57$

All: 80.329 ± 23.460 $\chi^2/\text{NDF}: 79603.9/117$

- sign -130.457 ± 32.600 $\chi^2/\text{NDF}: 49557.7/59$

asym_bpm0i05WS_rms vs Slug



Right In: 199.645 $\pm$ 0.034 χ^2 /NDF: 1547842.9/32

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 196.925 $\pm$ 0.033 χ^2 /NDF: 2402441.1/36

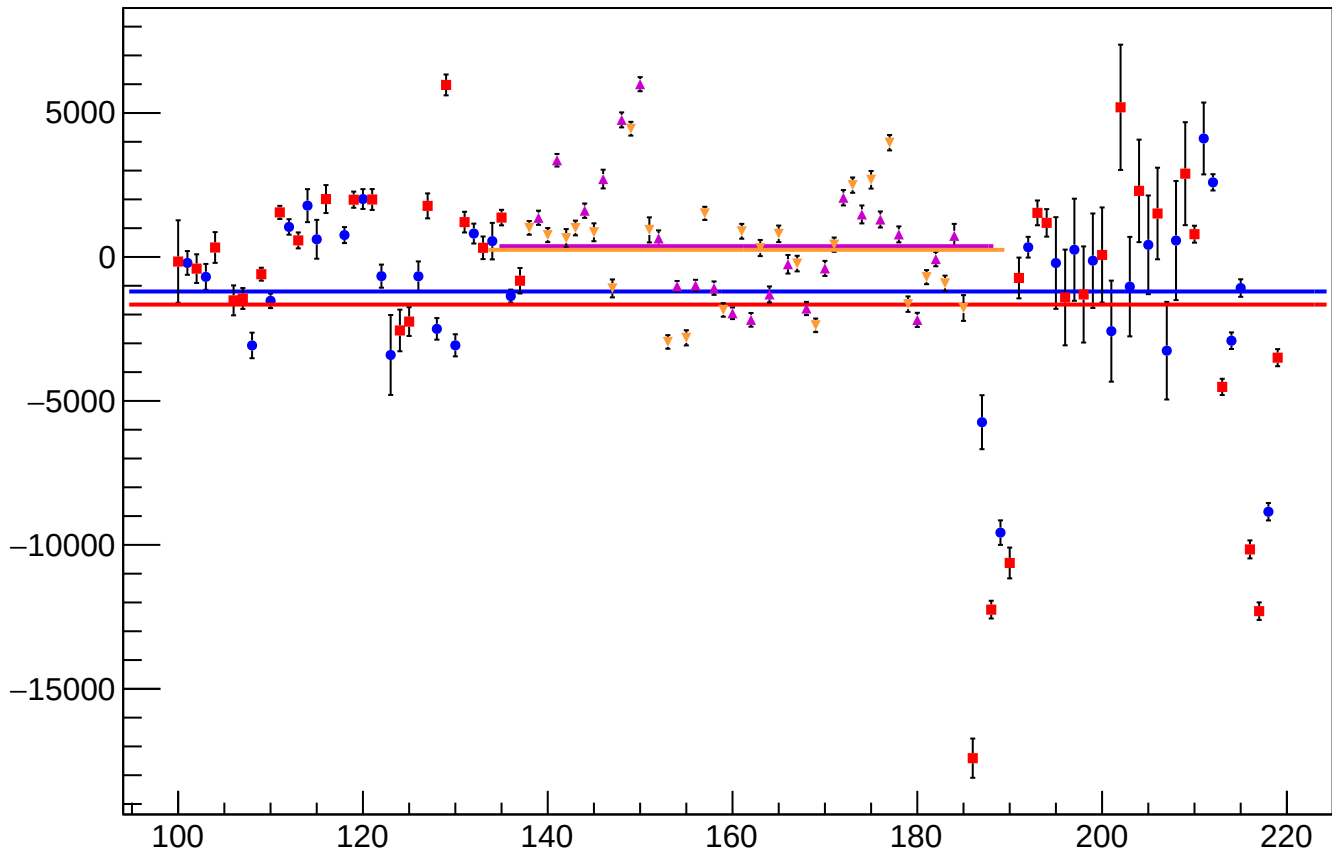
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 199.595 $\pm$ 0.024 χ^2 /NDF: 2277203.4/57

All: 195.129 $\pm$ 0.017 χ^2 /NDF: 5694866.7/117

- sign 190.972 $\pm$ 0.023 χ^2 /NDF: 3350191.4/59

asym_bpm0i07WS_mean vs Slug



Right In: -1198.997 ± 72.398 $\chi^2/\text{NDF}: 1656.7/32$

Left Out: 247.844 ± 53.555 $\chi^2/\text{NDF}: 1355.1/24$

Right Out: -1653.608 ± 65.299 $\chi^2/\text{NDF}: 5640.1/36$

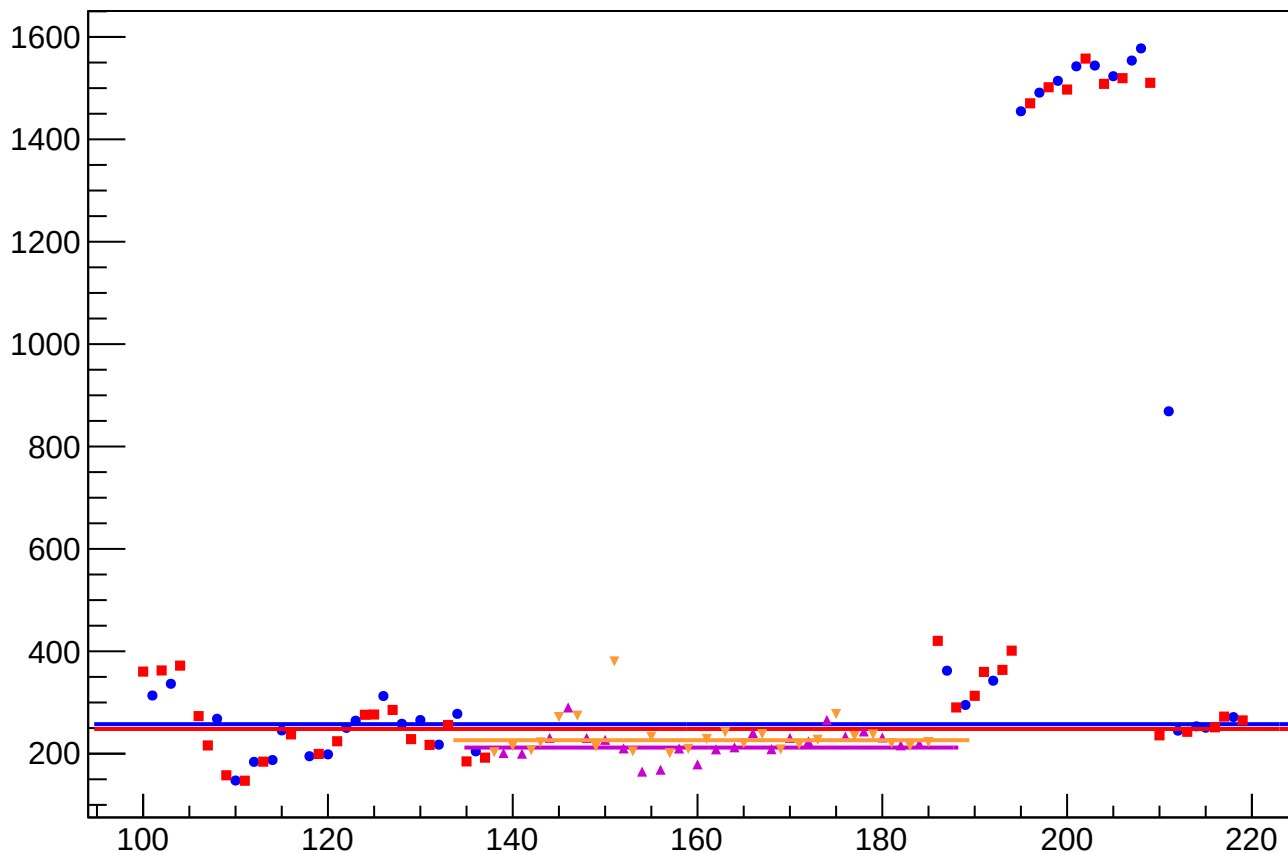
Left In: 374.122 ± 52.049 $\chi^2/\text{NDF}: 1801.0/22$

+ sign -263.862 ± 43.055 $\chi^2/\text{NDF}: 3269.9/57$

All: -342.976 ± 29.577 $\chi^2/\text{NDF}: 11307.0/117$

- sign -413.676 ± 40.701 $\chi^2/\text{NDF}: 8030.8/59$

asym_bpm0i07WS_rms vs Slug



Right In: 257.675+/-0.051 χ^2/NDF : 10151378.9/32

Left Out: 226.322+/-0.038 χ^2/NDF : 521041.8/24

Right Out: 248.287+/-0.046 χ^2/NDF : 9294733.7/36

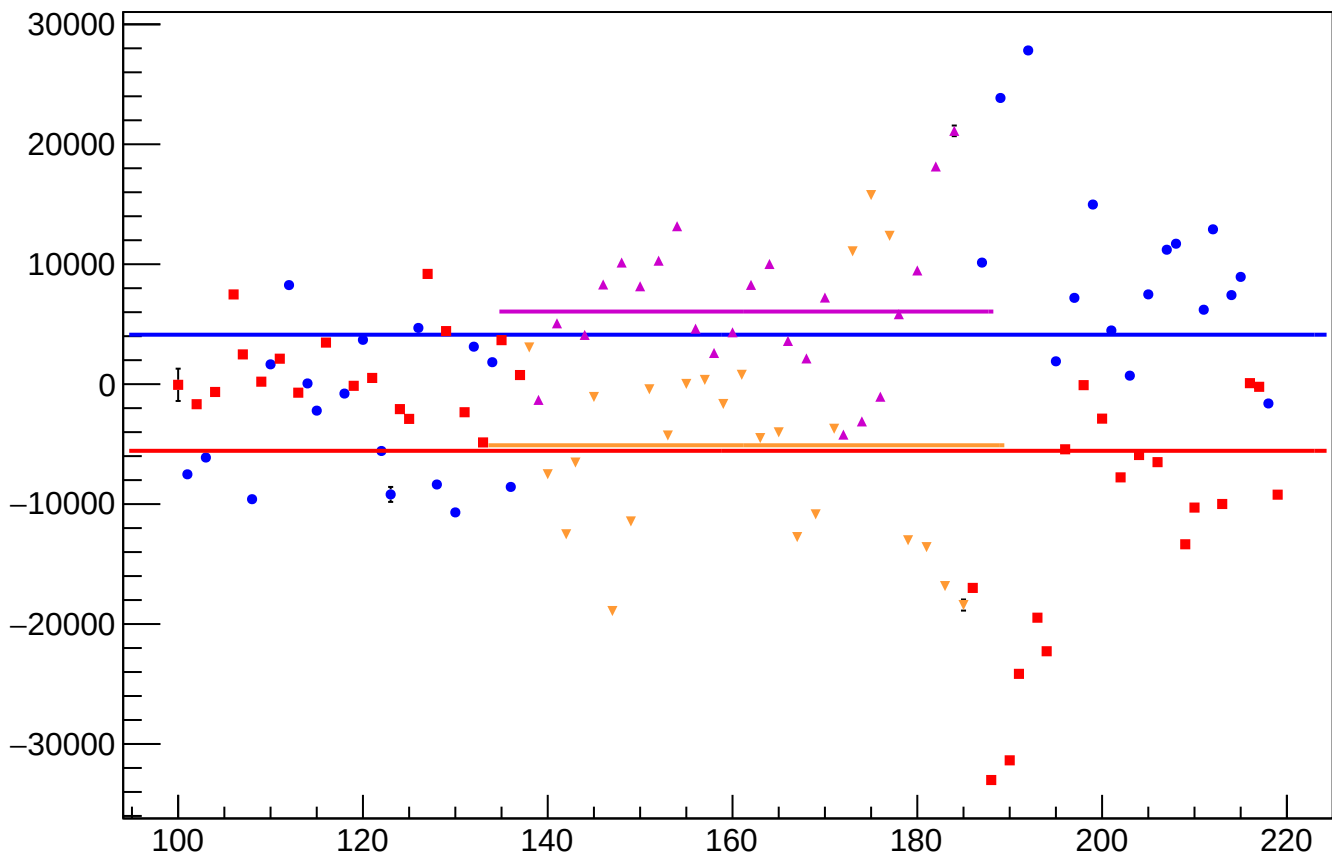
Left In: 211.970+/-0.037 χ^2/NDF : 584344.5/22

+ sign 237.411+/-0.030 χ^2/NDF : 10914857.7/57

All: 231.427+/-0.021 χ^2/NDF : 21245367.1/111

- sign 226.080+/-0.029 χ^2/NDF : 10257358.7/59

asym_bpm1i02WS_mean vs Slug



Right In: 4122.799+/-33.343 χ^2/NDF : 80792.0/32

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5557.266+/-31.715 χ^2/NDF : 105365.4/36

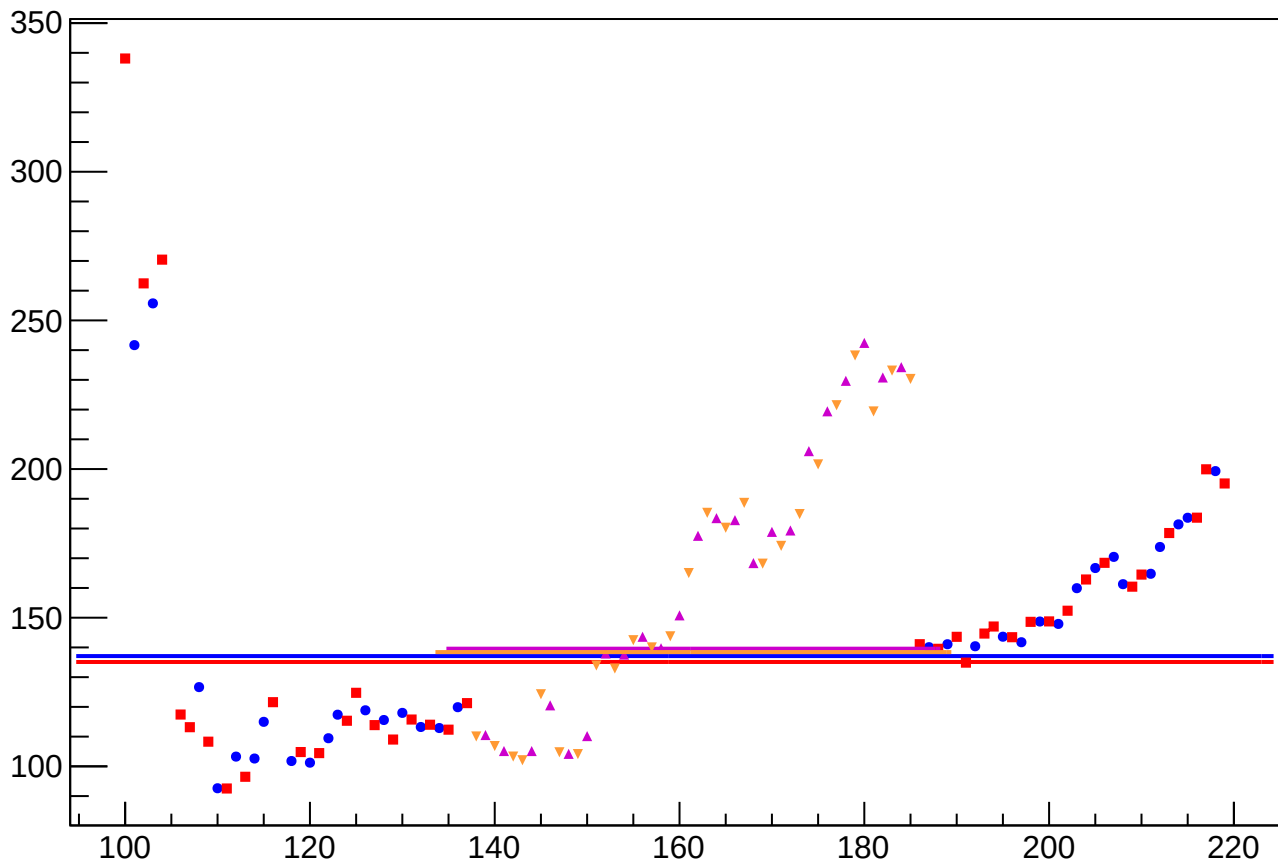
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -436.648+/-23.703 χ^2/NDF : 172992.7/57

All: -378.722+/-16.689 χ^2/NDF : 356394.0/11

- sign -321.779+/-23.501 χ^2/NDF : 183389.5/59

asym_bpm1i02WS_rms vs Slug



Right In: 137.090 $\pm$ 0.024 χ^2 /NDF: 1789469.3/32

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 135.104 $\pm$ 0.022 χ^2 /NDF: 2016763.8/36

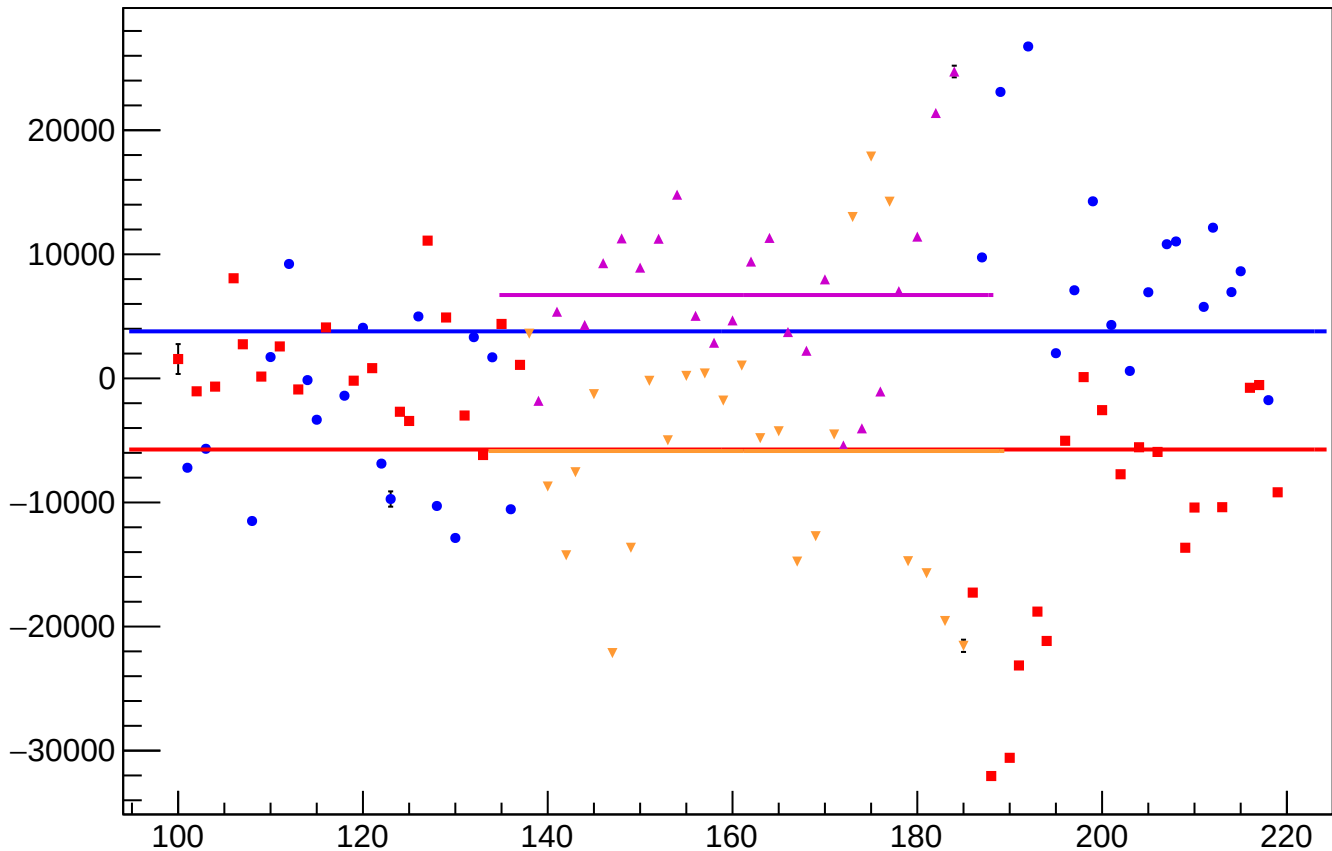
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 137.756 $\pm$ 0.017 χ^2 /NDF: 4340515.5/57

All: 137.436 $\pm$ 0.012 χ^2 /NDF: 8789603.9/117

- sign 137.121 $\pm$ 0.017 χ^2 /NDF: 4448365.8/59

asym_bpm2i01WS_mean vs Slug



Right In: 3790.927 ± 33.247 $\chi^2/\text{NDF}: 85928.0/32$

Left Out: -5852.544 ± 35.880 $\chi^2/\text{NDF}: 63411.4/24$

Right Out: -5730.892 ± 31.750 $\chi^2/\text{NDF}: 106042.0/36$

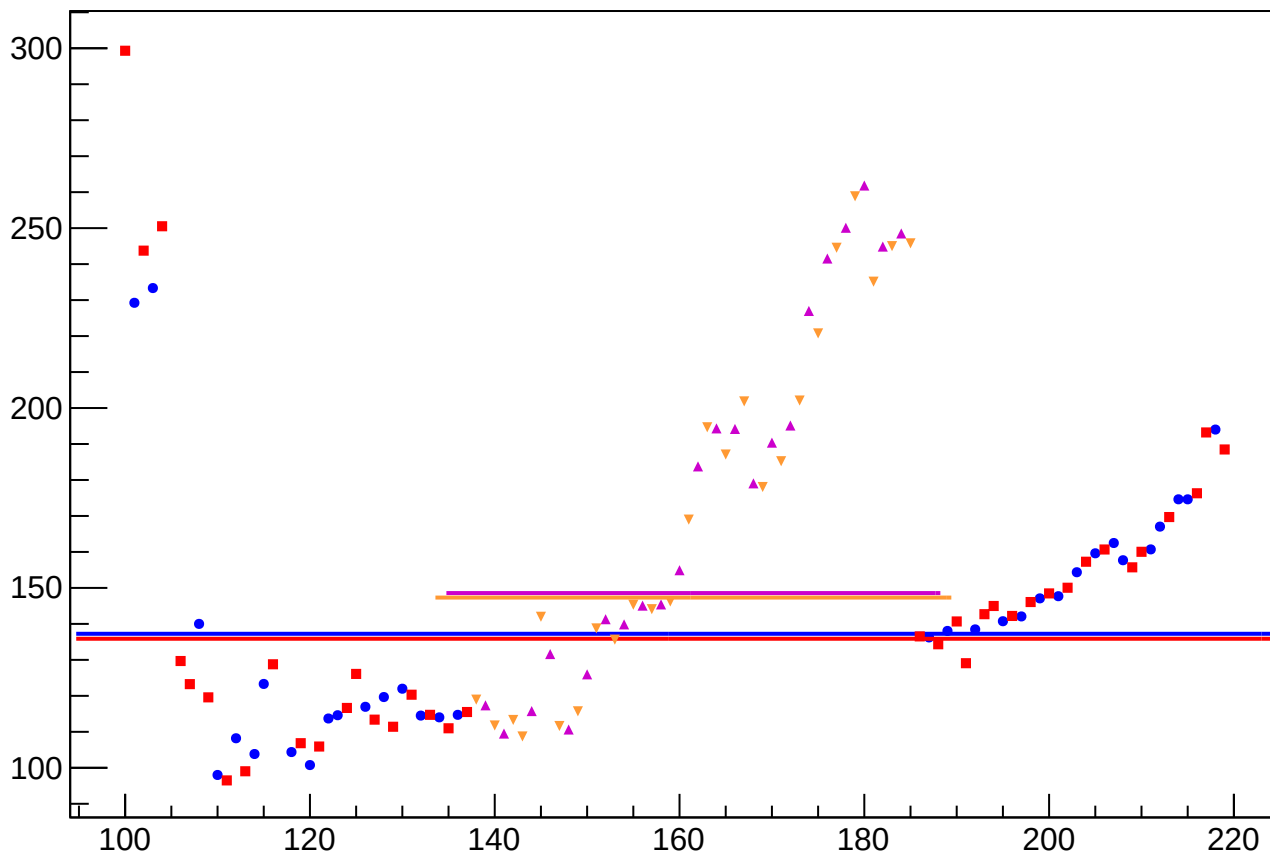
Left In: 6718.475 ± 37.276 $\chi^2/\text{NDF}: 20934.3/22$

+ sign -664.095 ± 24.387 $\chi^2/\text{NDF}: 188205.6/57$

All: -579.491 ± 17.167 $\chi^2/\text{NDF}: 379849.4/11$

- sign -496.380 ± 24.171 $\chi^2/\text{NDF}: 191620.0/59$

asym_bpm2i01WS_rms vs Slug



Right In: 137.252+/-0.024 χ^2/NDF : 1424163.8/32

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 135.872+/-0.022 χ^2/NDF : 1581863.9/36

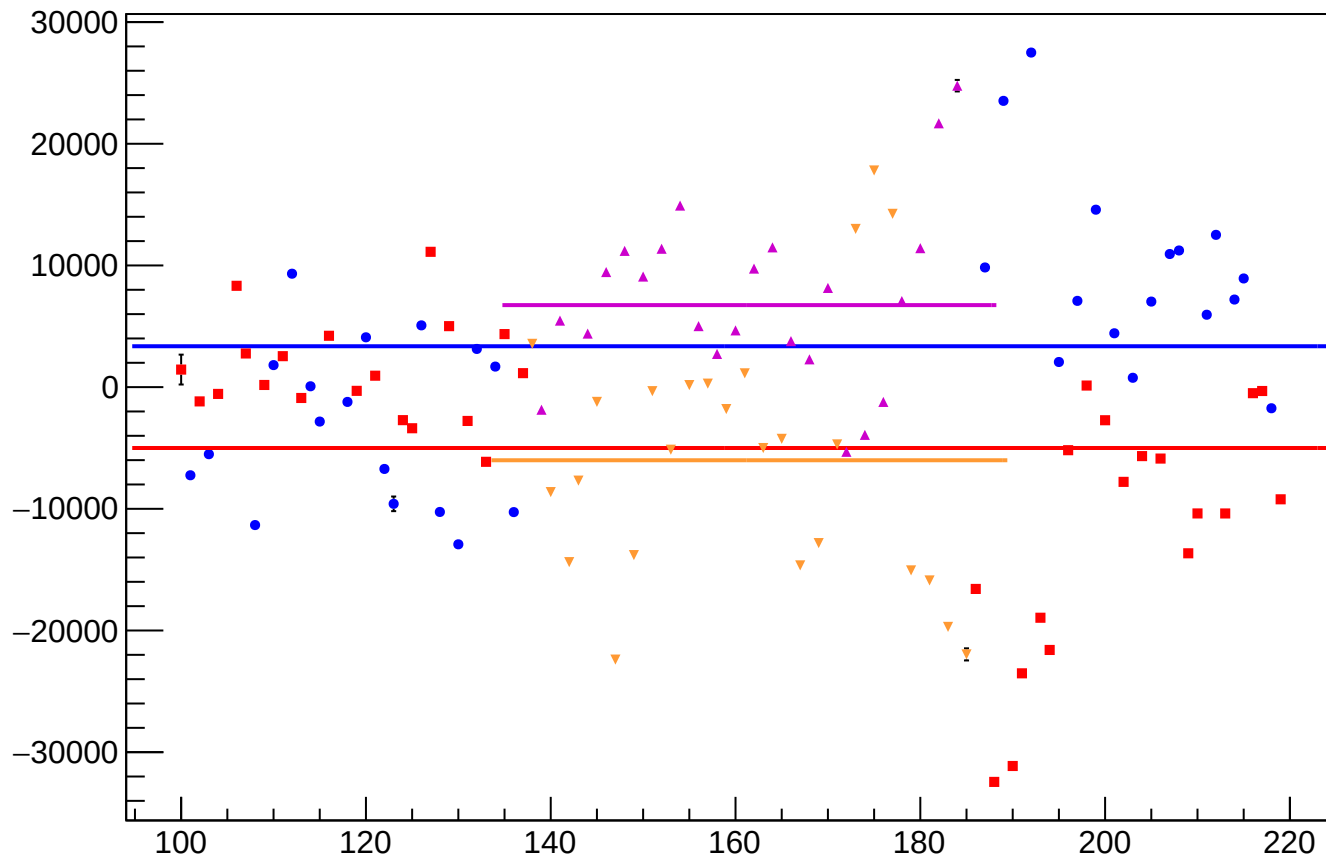
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 141.902+/-0.017 χ^2/NDF : 4020531.3/57

All: 141.553+/-0.012 χ^2/NDF : 8130861.1/117

- sign 141.210+/-0.017 χ^2/NDF : 4109519.5/59

asym_bpm2i02WS_mean vs Slug



Right In: 3360.156+/-33.379 χ^2/NDF : 85598.3/32

Left Out: -6009.913+/-35.082 χ^2/NDF : 67852.2/24

Right Out: -5001.975+/-31.923 χ^2/NDF : 100842.1/36

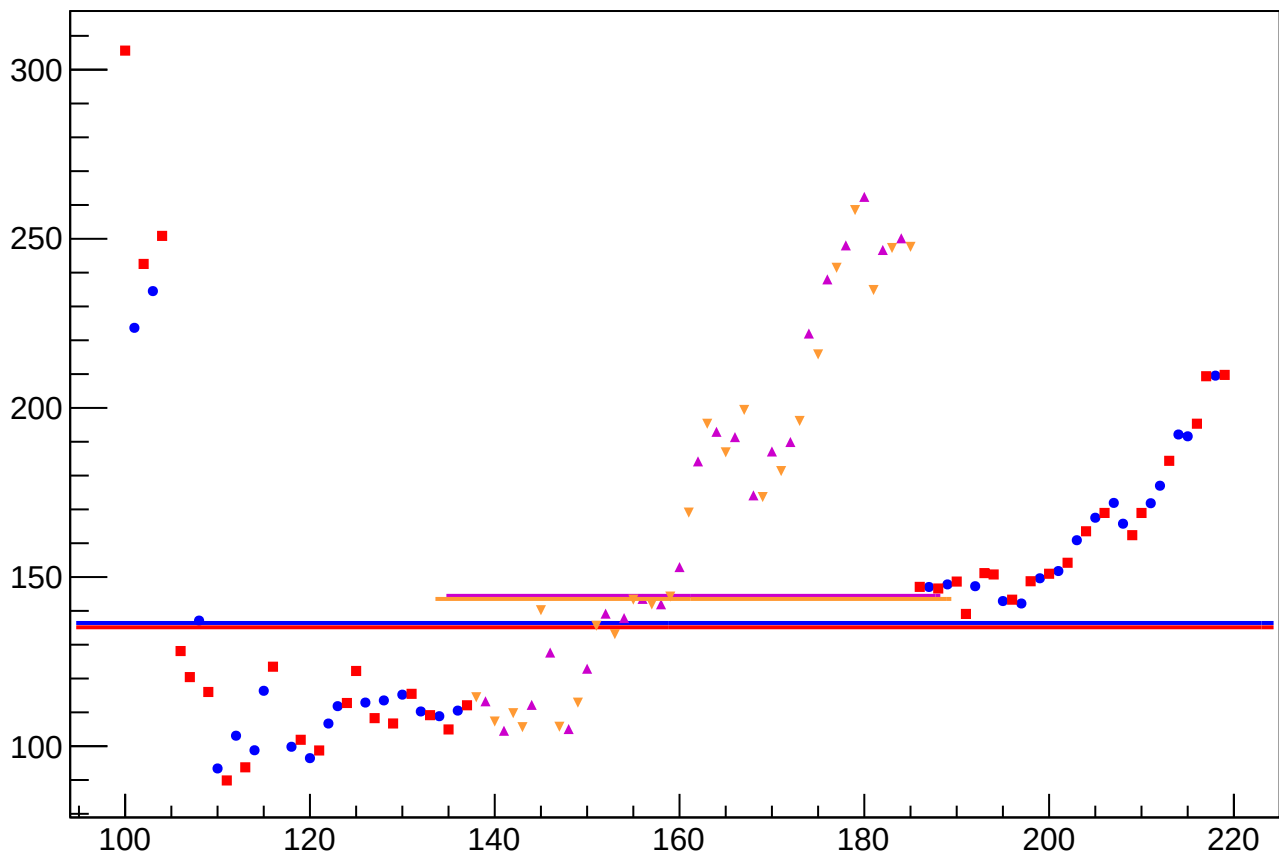
Left In: 6740.666+/-36.379 χ^2/NDF : 22071.8/22

+ sign -1091.878+/-24.182 χ^2/NDF : 190892.3/57

All: -488.075+/-17.033 χ^2/NDF : 373907.3/11

- sign 106.395+/-23.995 χ^2/NDF : 181777.7/59

asym_bpm2i02WS_rms vs Slug



Right In: 136.425+/-0.024 χ^2/NDF : 2021426.3/32

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 135.147+/-0.023 χ^2/NDF : 2282027.3/36

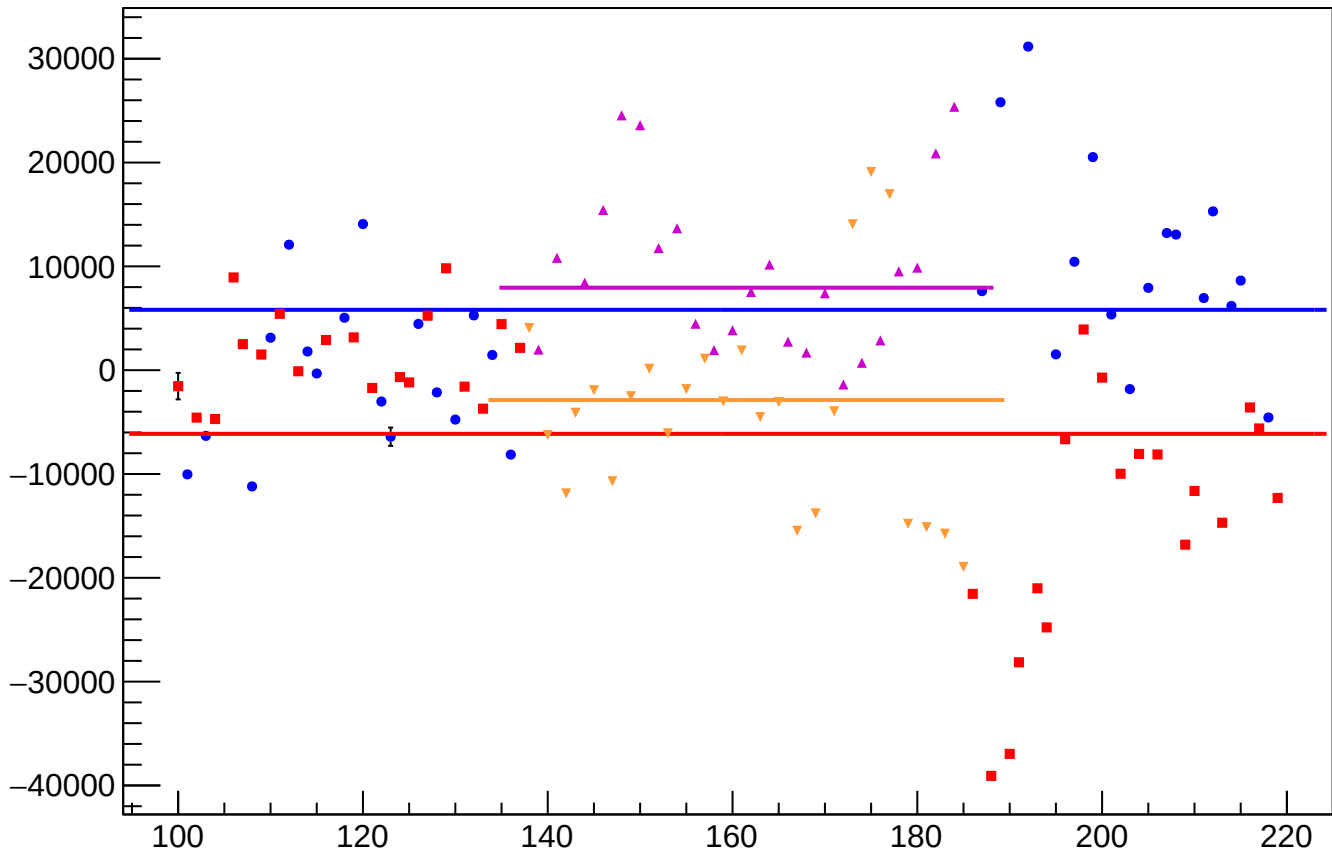
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 139.801+/-0.017 χ^2/NDF : 4769285.1/57

All: 139.493+/-0.012 χ^2/NDF : 9712604.8/117

- sign 139.190+/-0.017 χ^2/NDF : 4942675.8/59

asym_bpm0i01WS_mean vs Slug



Right In: 5814.528 ± 40.146 $\chi^2/\text{NDF}: 65117.1/32$

Left Out: -2870.473 ± 39.482 $\chi^2/\text{NDF}: 46420.3/24$

+ sign 1399.599 ± 28.150 $\chi^2/\text{NDF}: 135327.8/57$

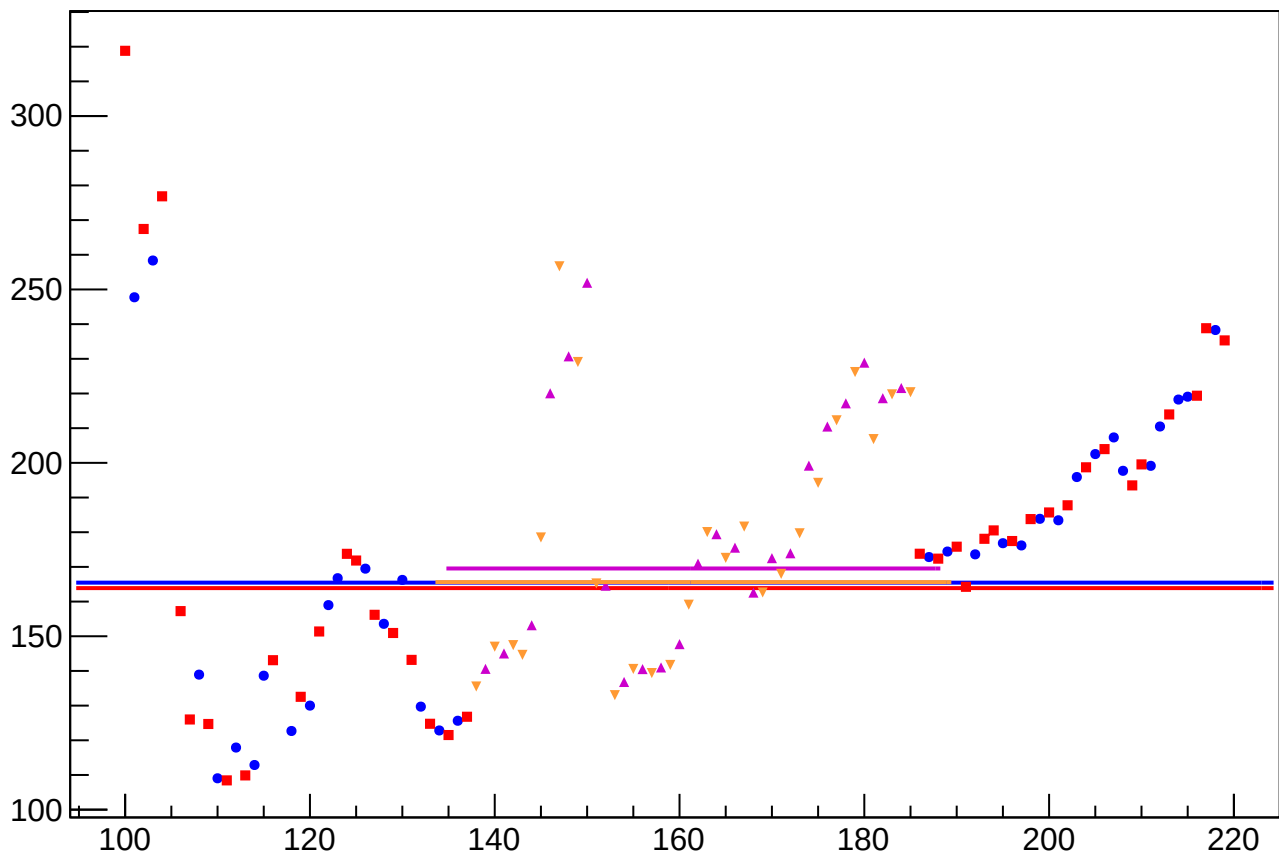
Right Out: -6131.506 ± 38.395 $\chi^2/\text{NDF}: 100504.3/36$

All: 863.593 ± 19.942 $\chi^2/\text{NDF}: 322081.1/117$

Left In: 7947.160 ± 41.726 $\chi^2/\text{NDF}: 23874.5/22$

- sign 323.630 ± 28.254 $\chi^2/\text{NDF}: 186025.5/59$

asym_bpm0i01WS_rms vs Slug



Right In: 165.460+/-0.028 χ^2/NDF : 1801407.5/32

Left Out: 165.616+/-0.028 χ^2/NDF :1144779.3/24

Right Out: 163.881+/-0.027 χ^2/NDF : 2012846.2/36

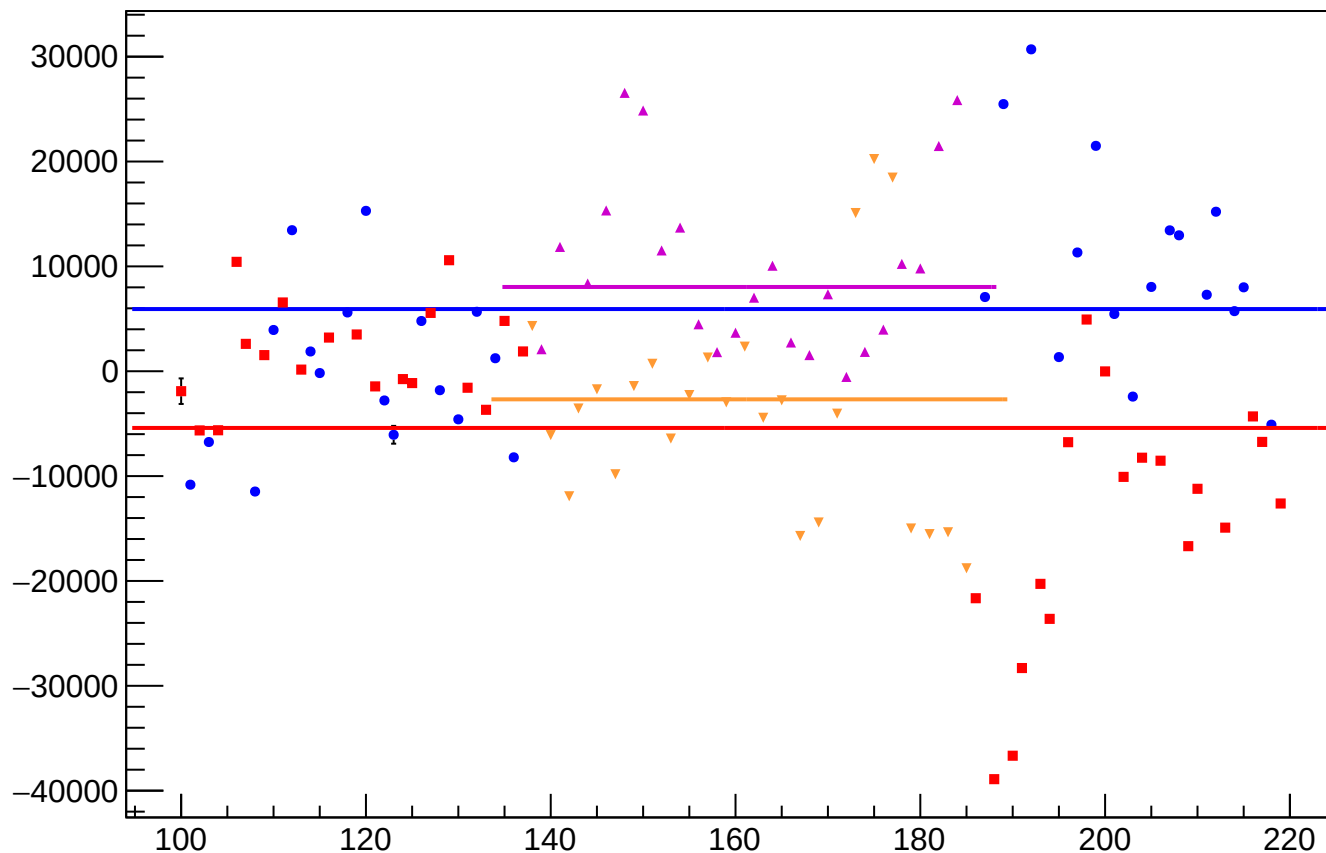
Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

+ sign 165.539+/-0.020 χ^2/NDF : 2946202.2/57

All: 166.006+/-0.014 χ^2/NDF : 6139323.1/117

- sign 166.477+/-0.020 χ^2/NDF : 3192016.6/59

asym_bpm0i01aWS_mean vs Slug



Right In: 5930.405+/-34.087 χ^2/NDF : 91132.6/32

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -5407.887+/-32.410 χ^2/NDF : 140723.5/36

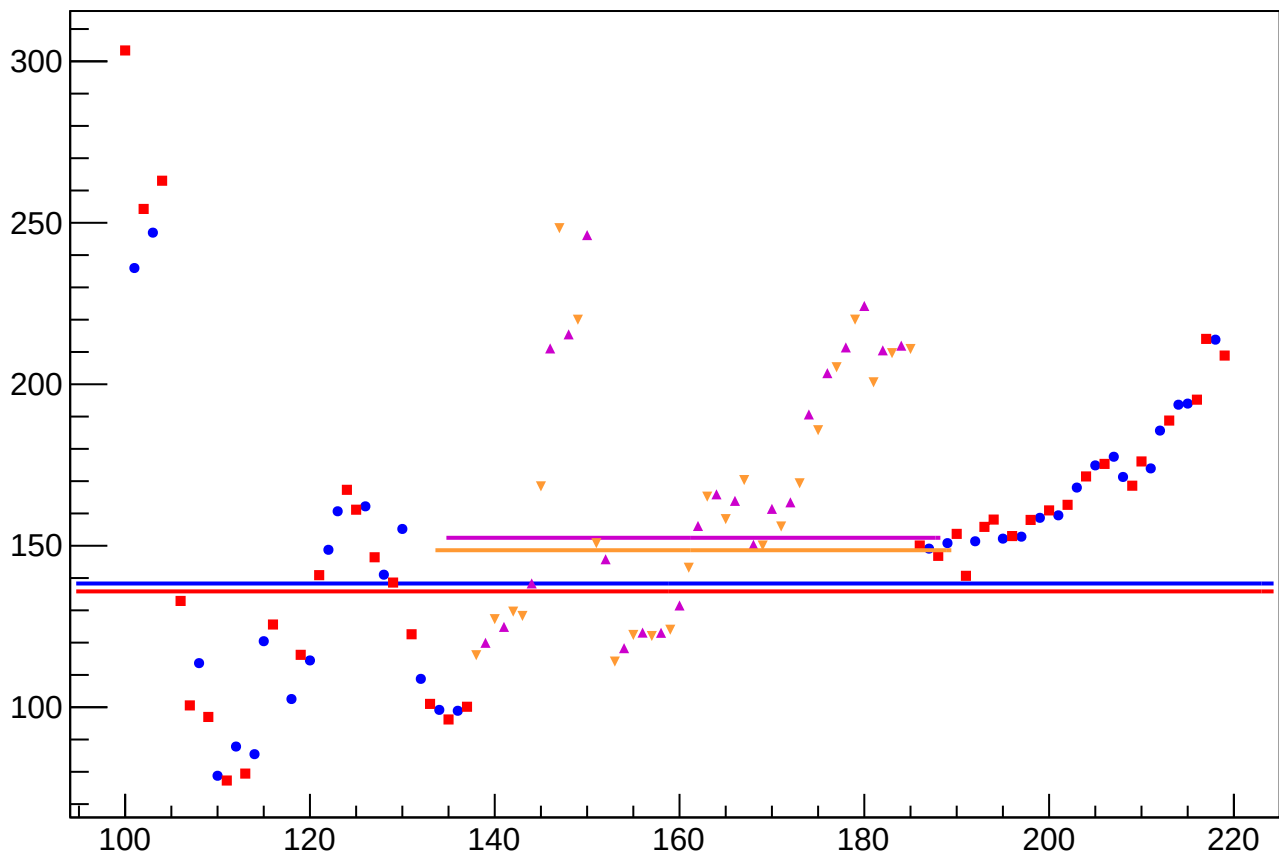
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 1831.778+/-24.674 χ^2/NDF : 178326.2/57

All: 1048.145+/-17.435 χ^2/NDF : 422959.1/11

- sign 266.799+/-24.638 χ^2/NDF : 242618.6/59

asym_bpm0i01aWS_rms vs Slug



Right In: 138.309+/-0.024 χ^2/NDF : 2691691.9/32

Left Out: 148.611+/-0.025 χ^2/NDF :1685424.1/24

Right Out: 135.864+/-0.023 χ^2/NDF : 3105473.6/36

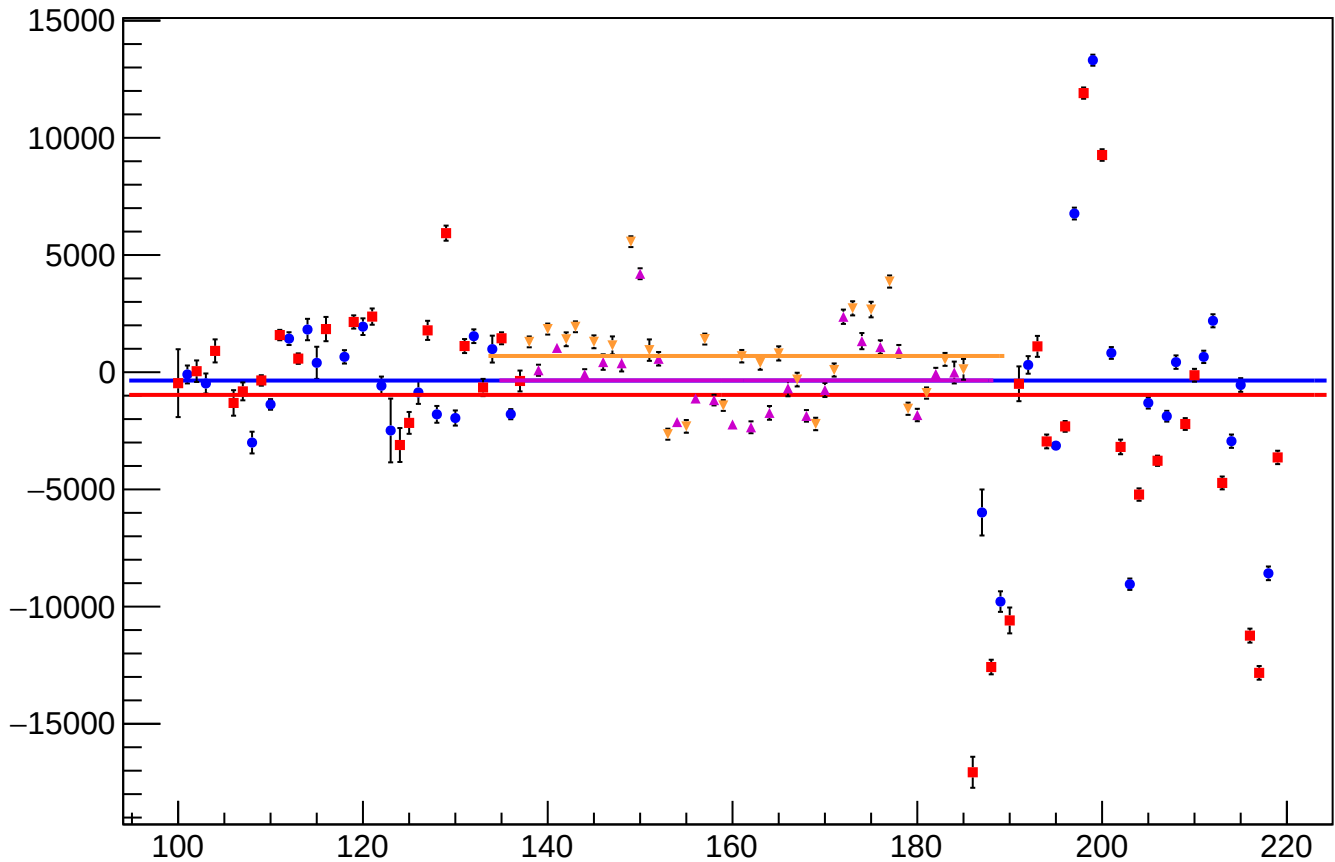
Left In: 152.463+/-0.027 χ^2/NDF :1691517.7/22

+ sign 143.213+/-0.017 χ^2/NDF : 4464075.7/57

All: 143.041+/-0.012 χ^2/NDF : 9482686.0/117

- sign 142.870+/-0.017 χ^2/NDF : 5018417.8/59

asym_bpm0l01WS_mean vs Slug



Right In: -355.401 ± 53.100 χ^2/NDF : 7486.0/32

Left Out: 692.998 ± 54.303 χ^2/NDF : 1422.0/24

Right Out: -967.604 ± 51.593 χ^2/NDF : 11674.5/36

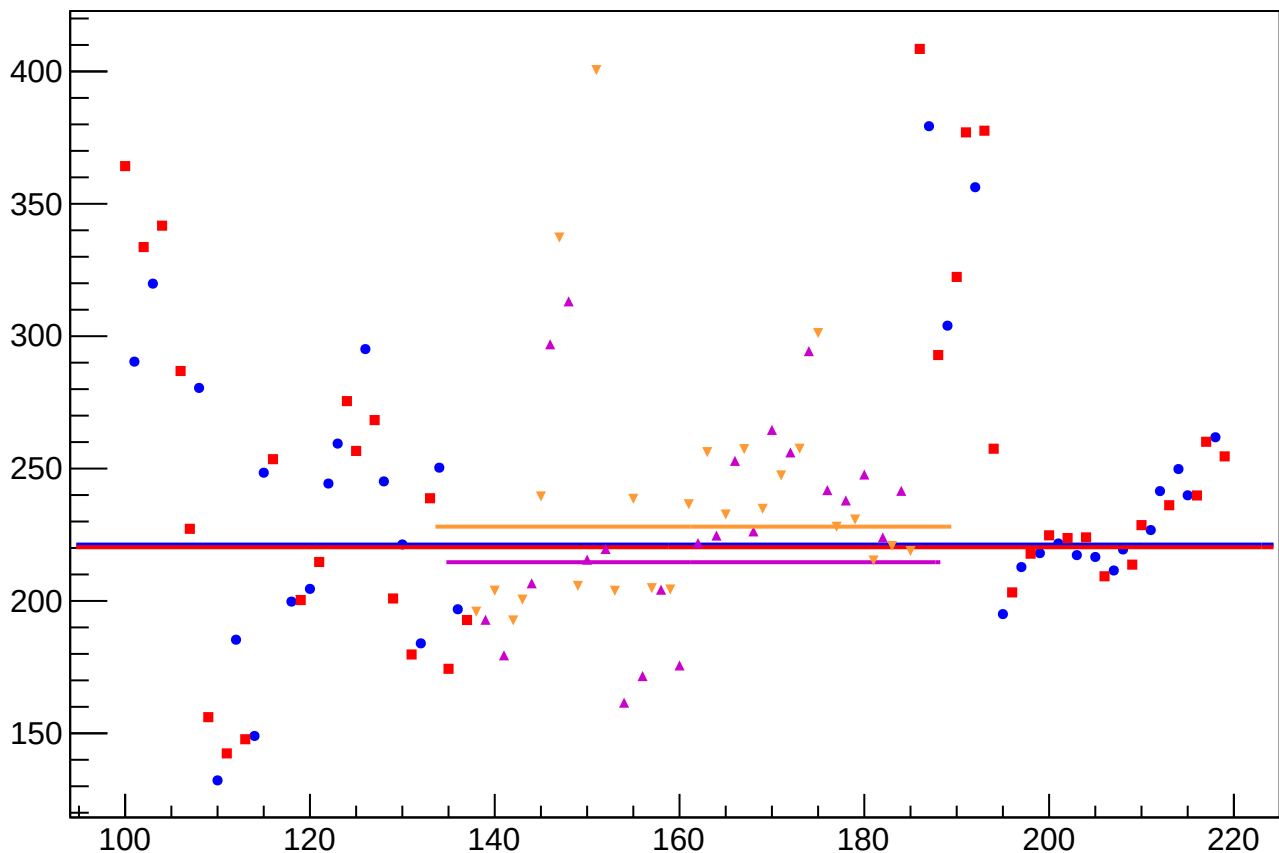
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 157.057 ± 37.966 χ^2/NDF : 9098.6/57

All: -265.814 ± 26.498 χ^2/NDF : 22065.6/117

- sign -667.469 ± 37.001 χ^2/NDF : 12725.1/59

asym_bpm0l01WS_rms vs Slug



Right In: 221.293+/-0.038 χ^2/NDF : 1242291.0/32

Left Out: 228.061+/-0.038 χ^2/NDF : 826343.8/24

Right Out: 220.285+/-0.036 χ^2/NDF : 1919195.7/36

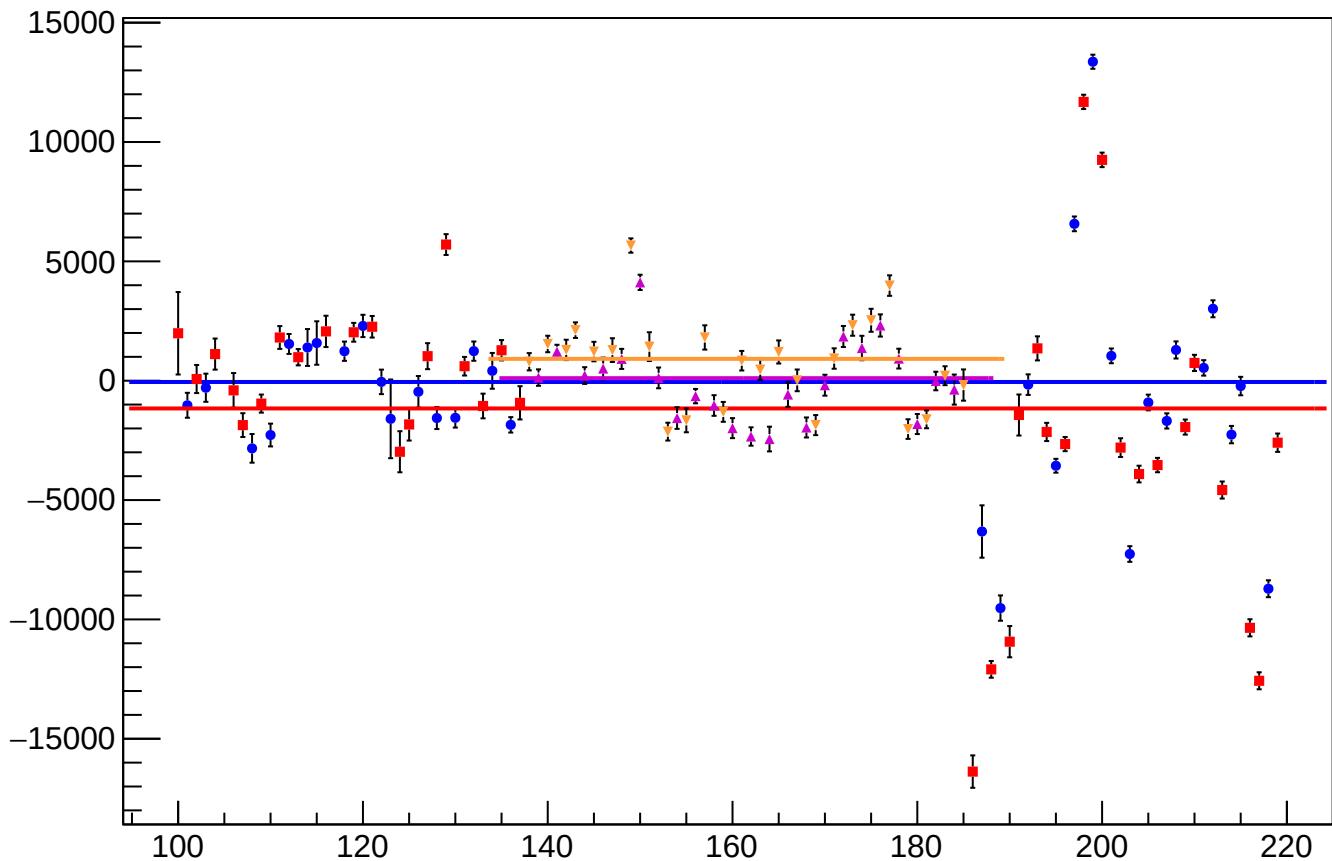
Left In: 214.627+/-0.038 χ^2/NDF : 1025683.3/22

+ sign 224.601+/-0.027 χ^2/NDF : 2084515.6/57

All: 220.978+/-0.019 χ^2/NDF : 5076586.4/117

- sign 217.537+/-0.026 χ^2/NDF : 2956559.9/59

asym_bpm0l02WS_mean vs Slug



Right In: -52.997 ± 71.170 $\chi^2/\text{NDF}: 4438.3/32$

Left Out: 915.968 ± 83.398 $\chi^2/\text{NDF}: 618.3/24$

Right Out: -1162.705 ± 69.372 $\chi^2/\text{NDF}: 7294.7/36$

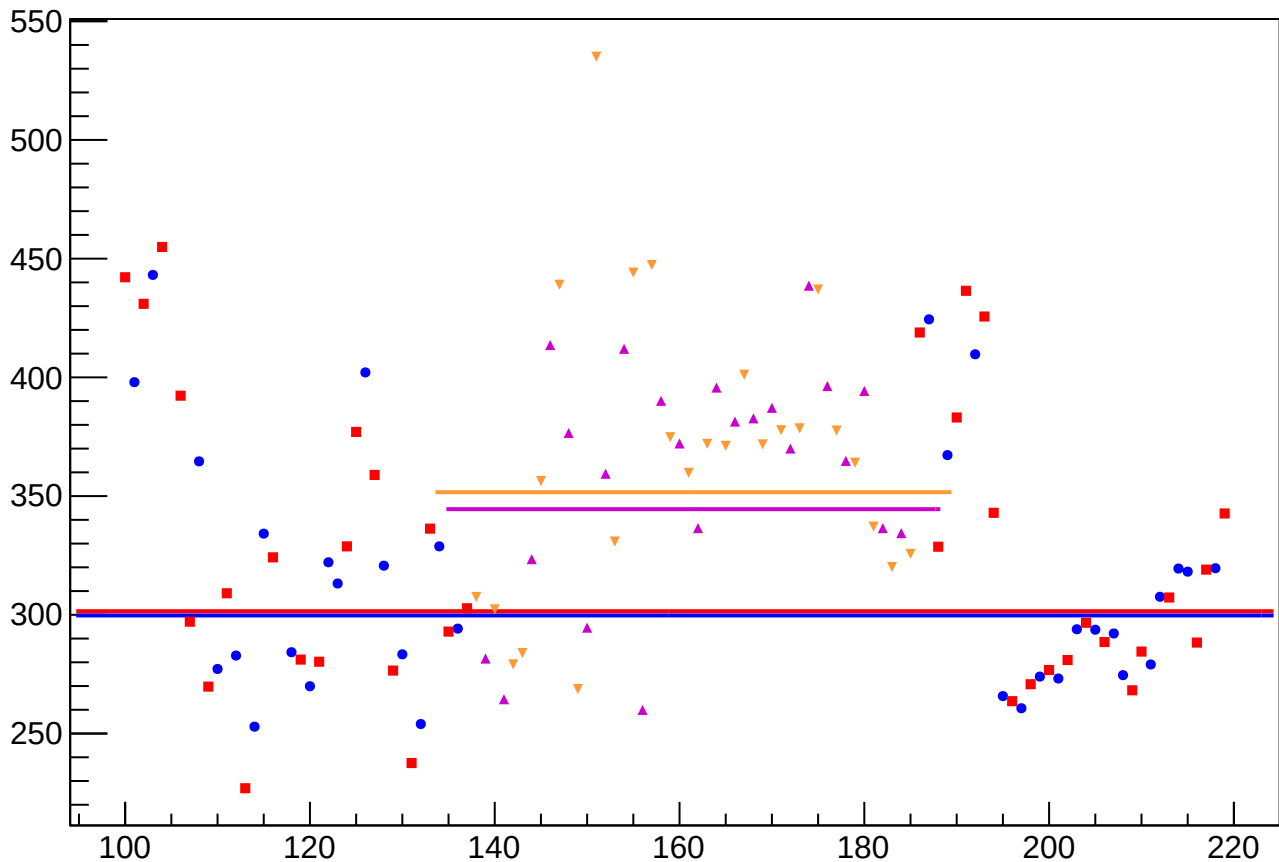
Left In: 106.116 ± 84.393 $\chi^2/\text{NDF}: 390.3/22$

+ sign 355.308 ± 54.137 $\chi^2/\text{NDF}: 5134.8/57$

All: -152.990 ± 38.086 $\chi^2/\text{NDF}: 13129.1/117$

- sign -651.071 ± 53.590 $\chi^2/\text{NDF}: 7819.8/59$

asym_bpm0l02WS_rms vs Slug



Right In: 299.735 $\pm$ 0.050 χ^2 /NDF: 645715.6/32

Left Out: 351.633 $\pm$ 0.059 χ^2 /NDF: 907849.3/24

Right Out: 301.523 $\pm$ 0.049 χ^2 /NDF: 925806.5/36

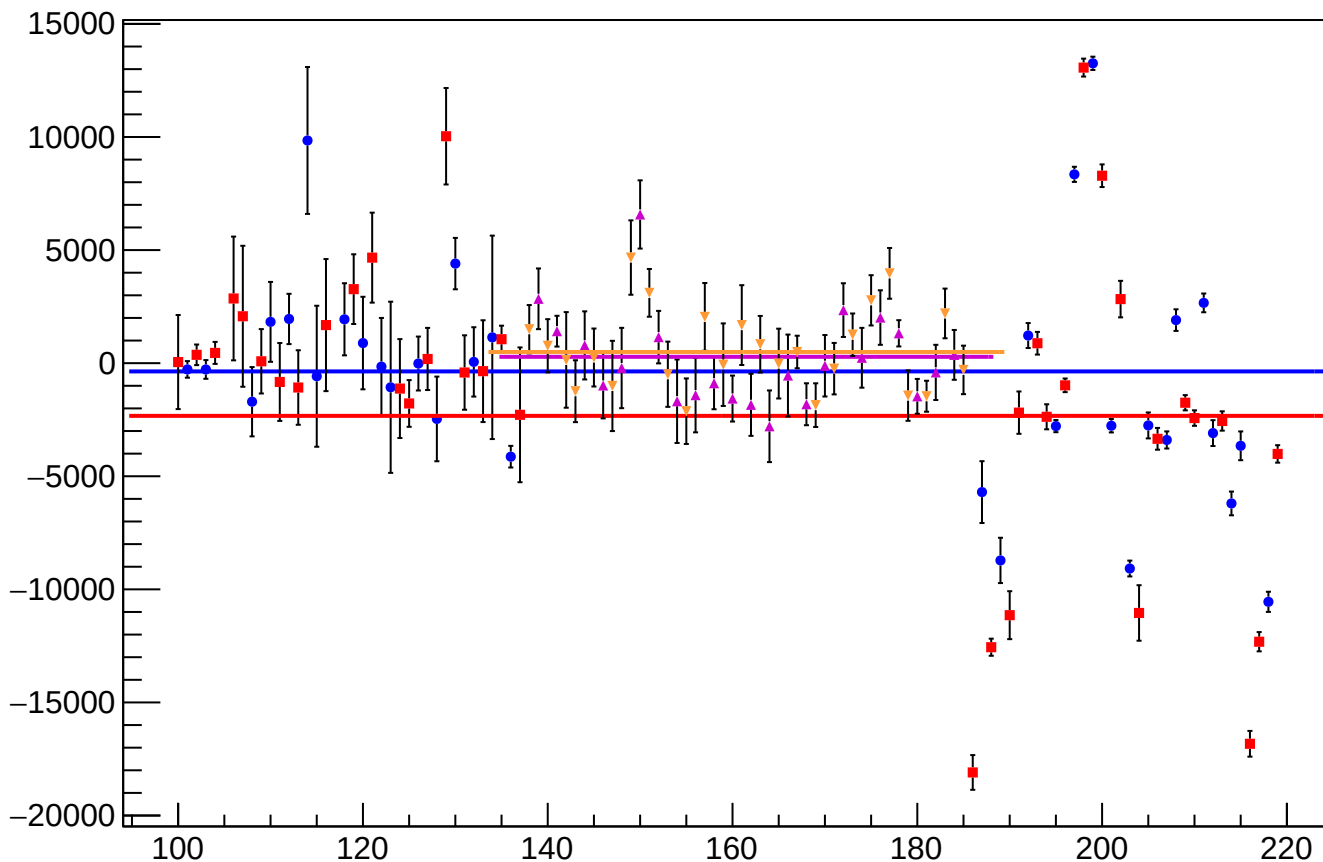
Left In: 344.491 $\pm$ 0.060 χ^2 /NDF: 768885.4/22

+ sign 321.604 $\pm$ 0.038 χ^2 /NDF: 2001696.0/57

All: 320.213 $\pm$ 0.027 χ^2 /NDF: 4008386.2/117

- sign 318.849 $\pm$ 0.038 χ^2 /NDF: 2004075.1/59

asym_bpm0l03WS_mean vs Slug



Right In: -364.404 ± 92.987 $\chi^2/\text{NDF}: 4635.4/32$

Left Out: 495.014 ± 231.058 $\chi^2/\text{NDF}: 56.2/24$

Right Out: -2329.712 ± 99.588 $\chi^2/\text{NDF}: 4736.5/36$

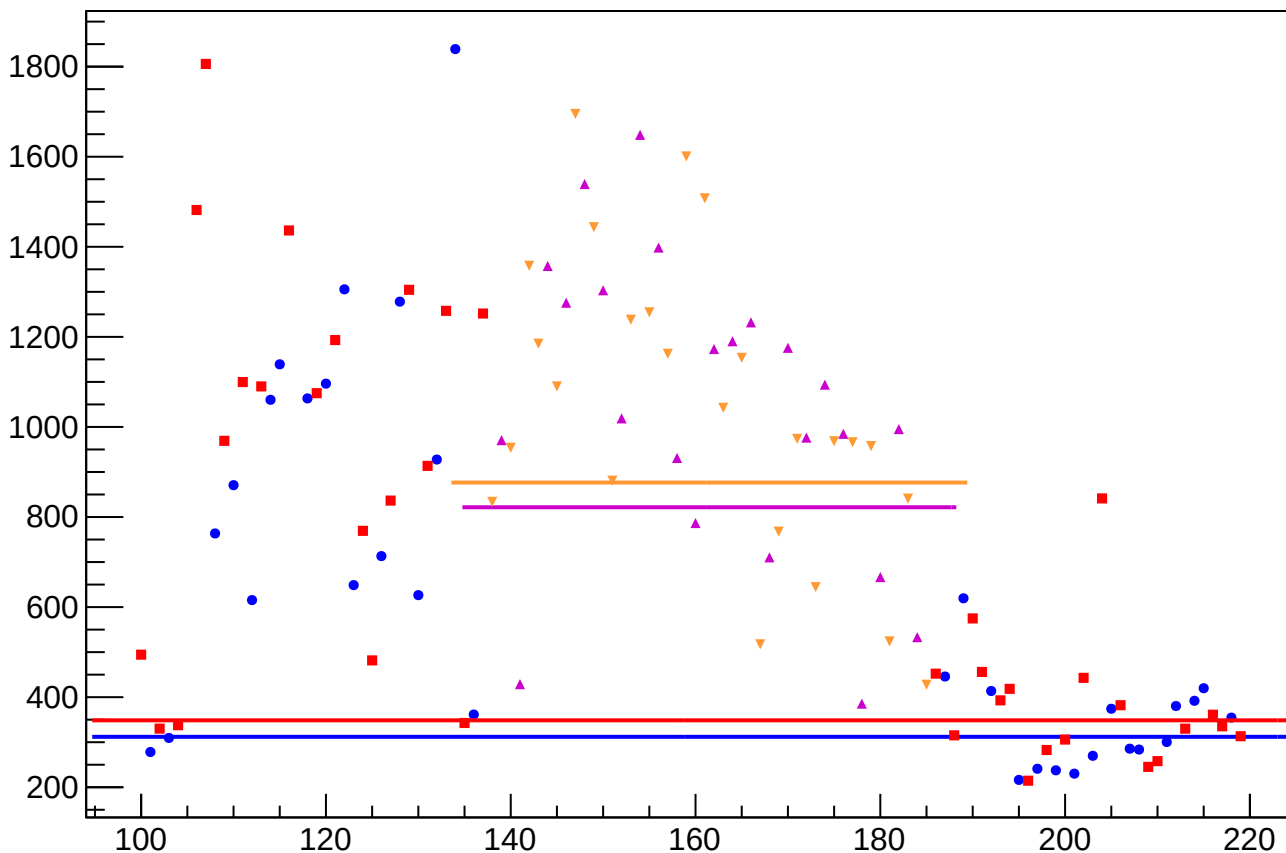
Left In: 280.692 ± 232.048 $\chi^2/\text{NDF}: 57.2/22$

+ sign -244.615 ± 86.264 $\chi^2/\text{NDF}: 4703.6/57$

All: -1034.596 ± 62.772 $\chi^2/\text{NDF}: 9782.4/117$

- sign -1923.695 ± 91.516 $\chi^2/\text{NDF}: 4900.6/59$

asym_bpm0l03WS_rms vs Slug



Right In: 311.988 $\pm$ 0.066 χ^2 /NDF: 4576110.7/32

Left Out: 876.560 $\pm$ 0.163 χ^2 /NDF:3434698.7/24

Right Out: 348.605 $\pm$ 0.070 χ^2 /NDF: 5944167.5/36

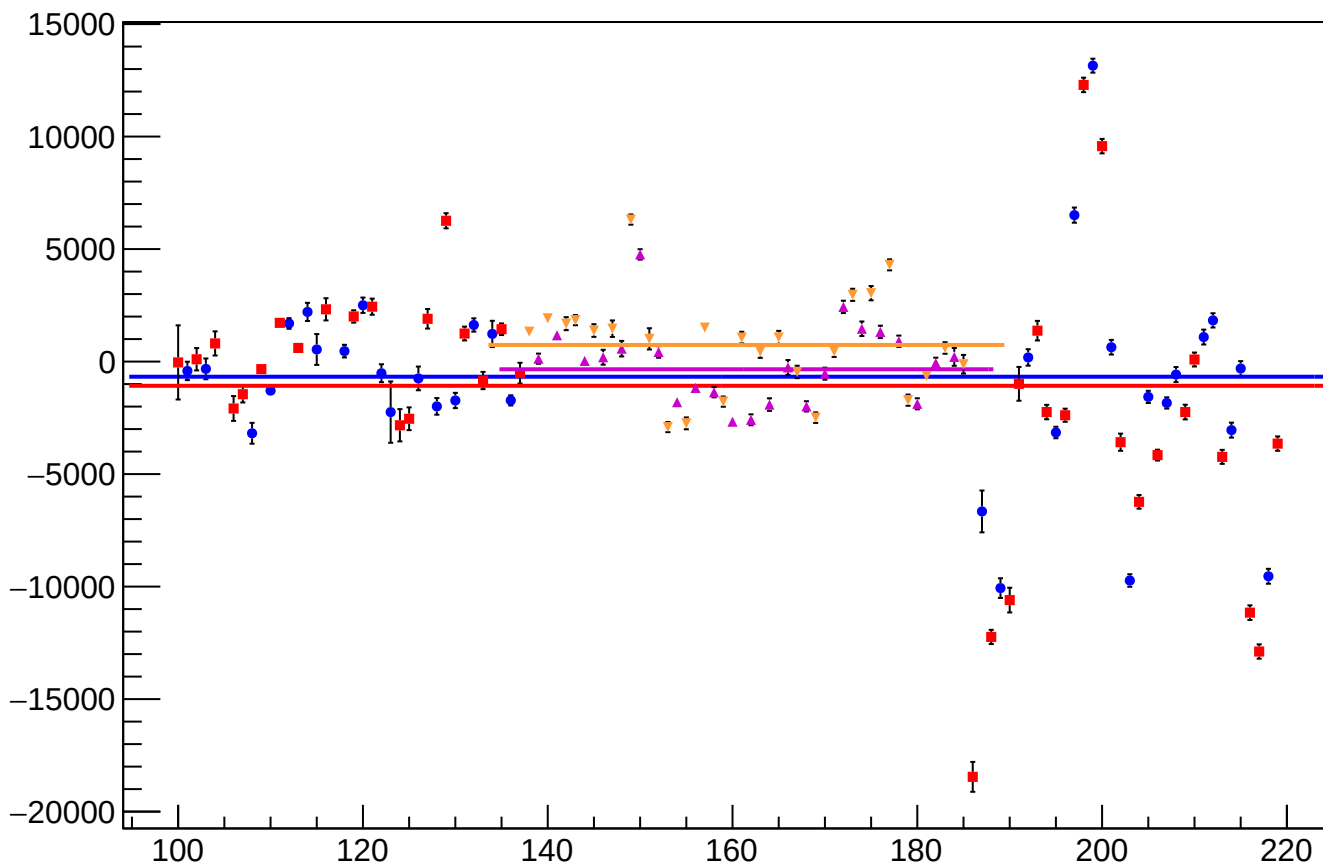
Left In: 821.657 $\pm$ 0.164 χ^2 /NDF:4443094.2/22

+ sign 390.681 $\pm$ 0.061 χ^2 /NDF: 18287078.7/57

All: 405.502 $\pm$ 0.044 χ^2 /NDF: 35818820.5/11

- sign 422.182 $\pm$ 0.065 χ^2 /NDF: 17406257.3/59

asym_bpm0l04WS_mean vs Slug



Right In: -672.819 ± 57.504 $\chi^2/\text{NDF}: 5418.2/32$

Left Out: 738.847 ± 51.649 $\chi^2/\text{NDF}: 1935.2/24$

Right Out: -1076.284 ± 54.643 $\chi^2/\text{NDF}: 9422.4/36$

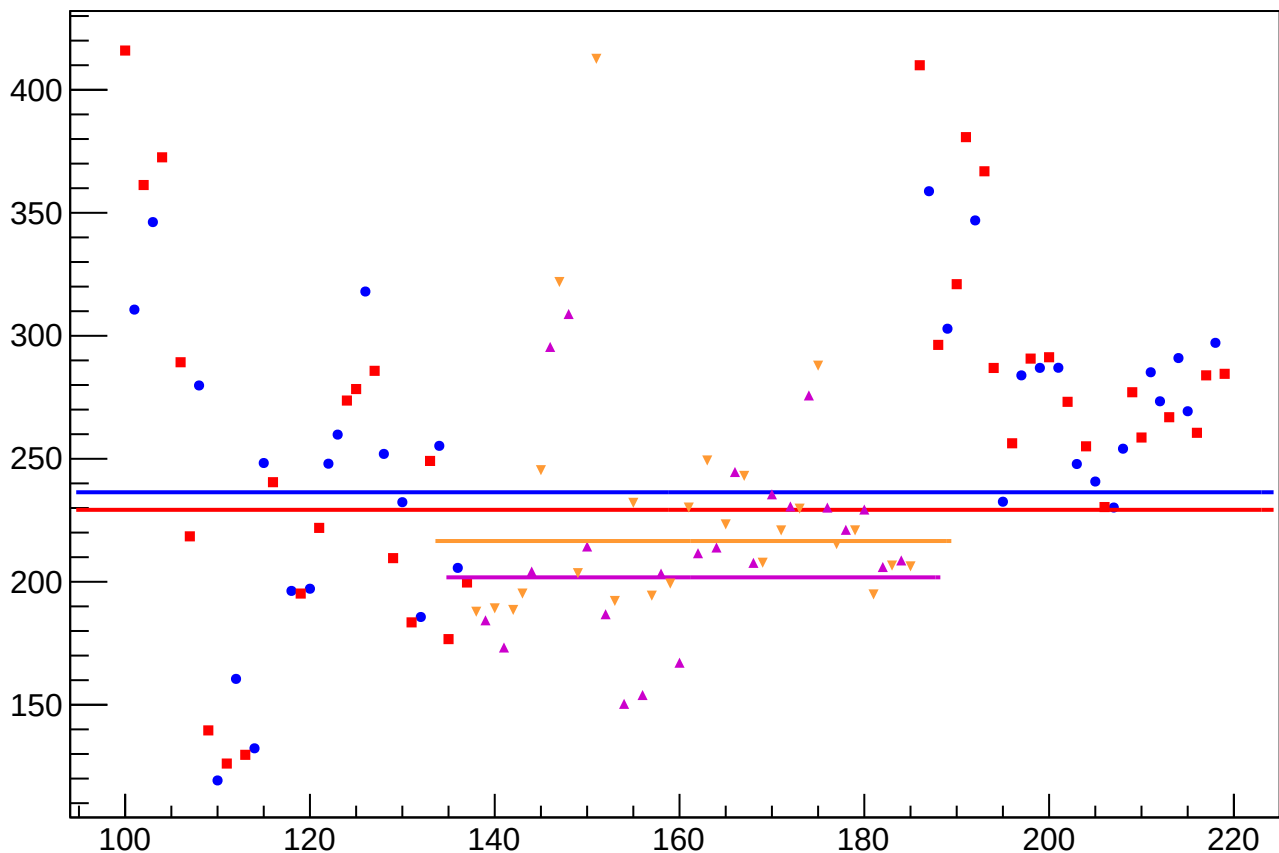
Left In: -342.465 ± 50.044 $\chi^2/\text{NDF}: 1254.9/22$

+ sign 108.514 ± 38.425 $\chi^2/\text{NDF}: 7686.9/57$

All: -300.183 ± 26.617 $\chi^2/\text{NDF}: 18679.8/117$

- sign -677.199 ± 36.906 $\chi^2/\text{NDF}: 10775.4/59$

asym_bpm0l04WS_rms vs Slug



Right In: 236.394 ± 0.041 χ^2/NDF : 2036456.1/32

Left Out: 216.574 ± 0.037 χ^2/NDF : 886214.1/24

Right Out: 229.253 ± 0.039 χ^2/NDF : 3109627.4/36

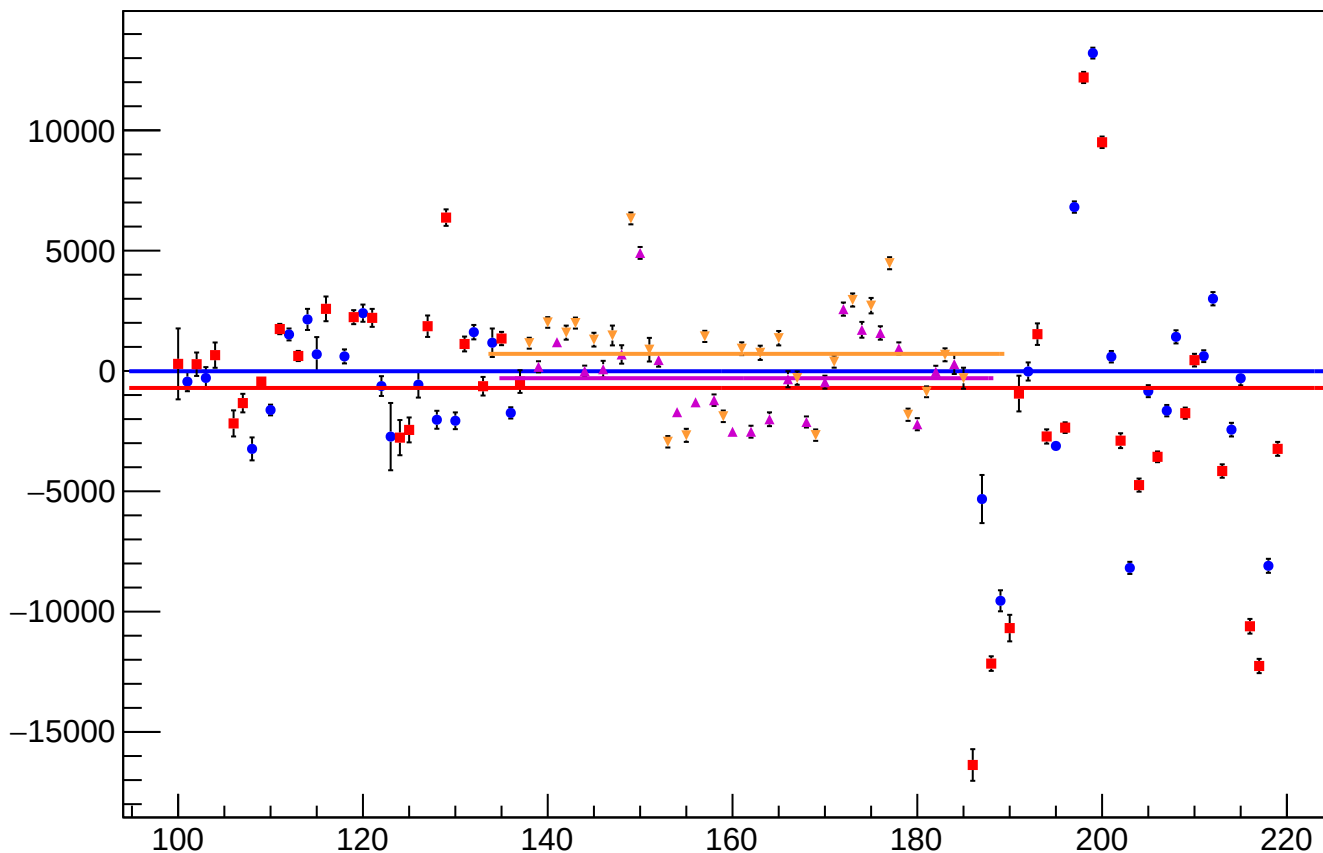
Left In: 201.805 ± 0.035 χ^2/NDF : 1087243.4/22

+ sign 225.424 ± 0.027 χ^2/NDF : 3054181.3/57

All: 219.651 ± 0.019 χ^2/NDF : 7612281.4/117

- sign 214.326 ± 0.026 χ^2/NDF : 4471312.2/59

asym_bpm0l05WS_mean vs Slug



Right In: -11.059 ± 53.007 χ^2/NDF : 7479.0/32

Left Out: 711.174 ± 53.245 χ^2/NDF : 1835.3/24

Right Out: -705.689 ± 51.444 χ^2/NDF : 11616.2/36

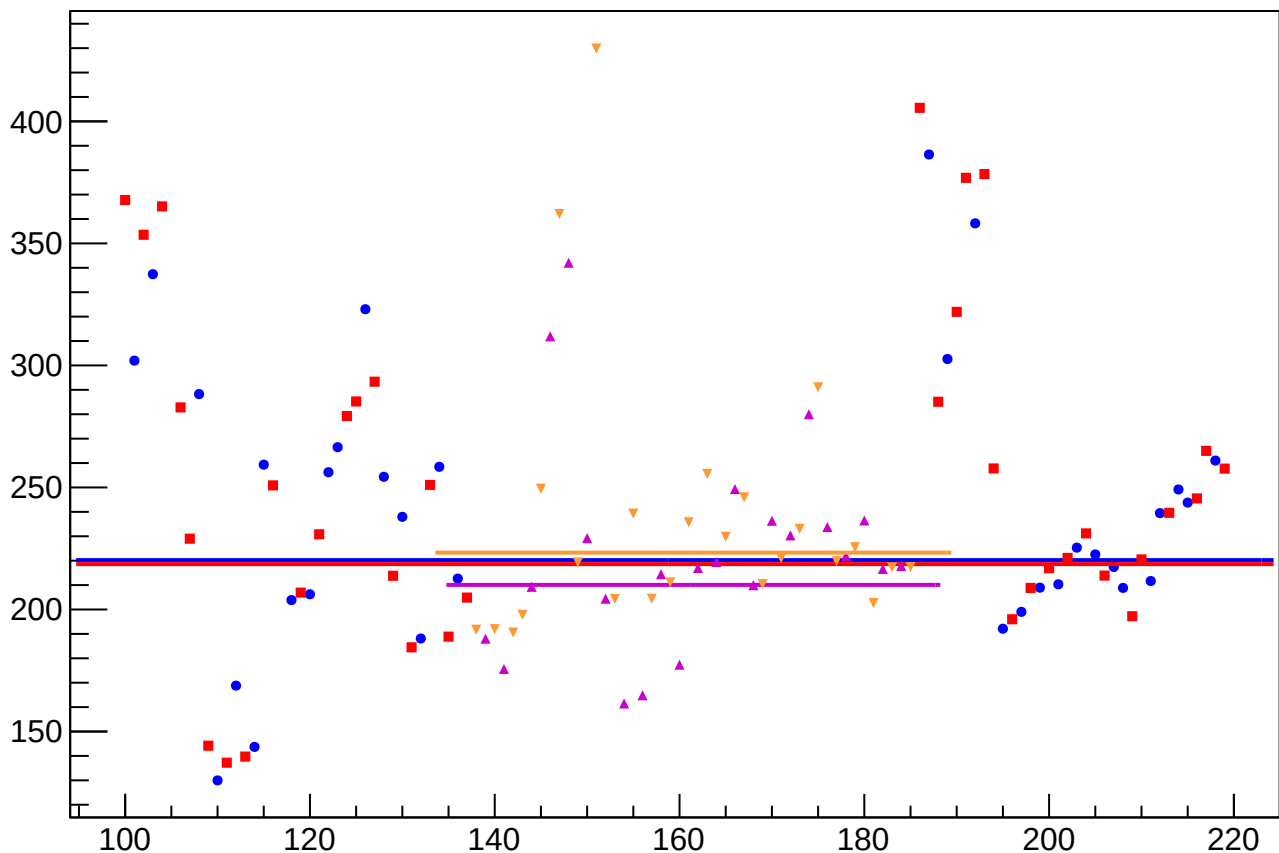
Left In: -300.516 ± 51.984 χ^2/NDF : 1208.6/22

+ sign 348.440 ± 37.565 χ^2/NDF : 9406.7/57

All: -89.899 ± 26.202 χ^2/NDF : 22527.4/117

- sign -505.218 ± 36.566 χ^2/NDF : 12855.5/59

asym_bpm0l05WS_rms vs Slug



Right In: 220.233 ± 0.037 $\chi^2/\text{NDF}: 1441933.6/32$

Left Out: 223.296 ± 0.038 $\chi^2/\text{NDF}: 922768.4/24$

Right Out: 218.589 ± 0.036 $\chi^2/\text{NDF}: 2232364.7/36$

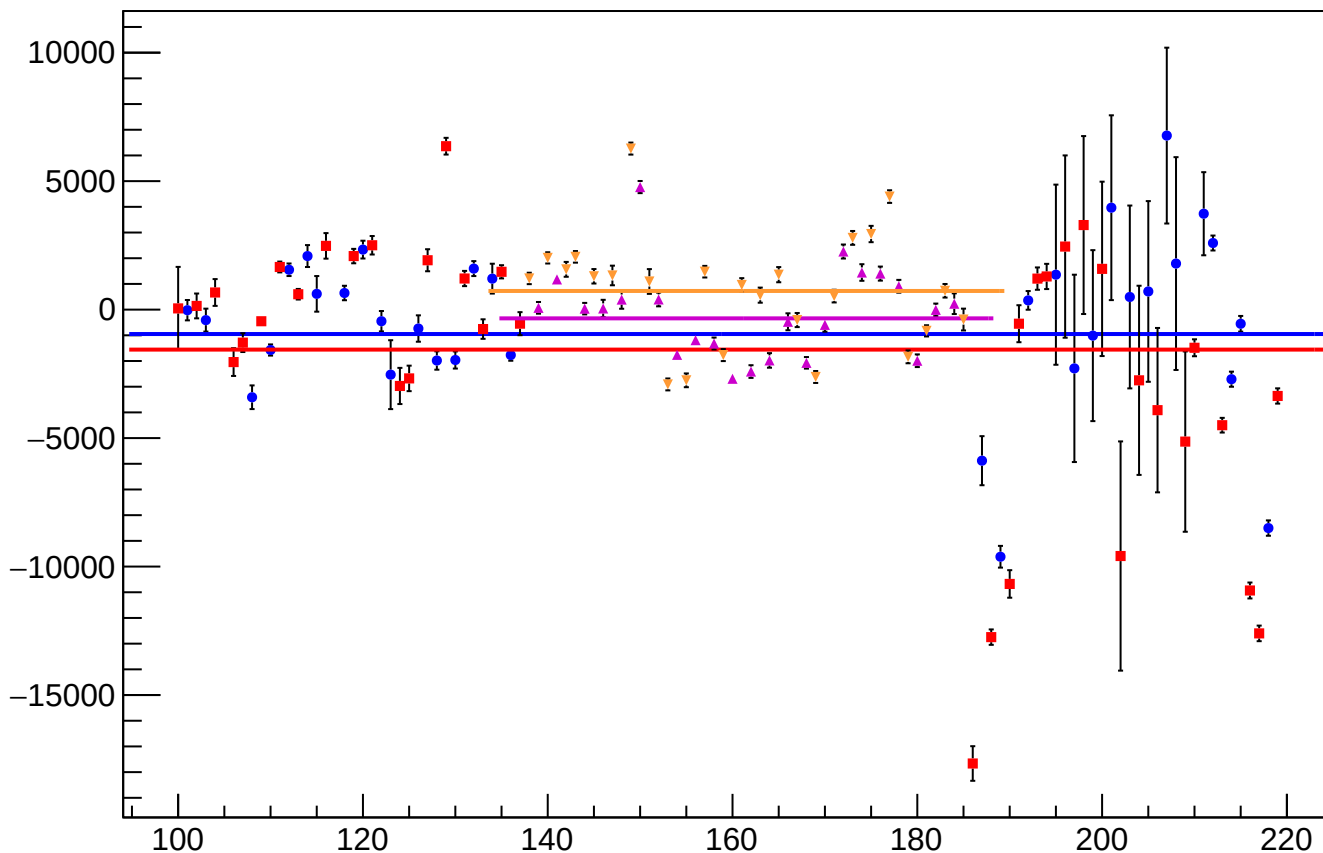
Left In: 210.080 ± 0.037 $\chi^2/\text{NDF}: 1015274.5/22$

+ sign 221.758 ± 0.027 $\chi^2/\text{NDF}: 2368027.1/57$

All: 217.969 ± 0.019 $\chi^2/\text{NDF}: 5682363.6/117$

- sign 214.379 ± 0.026 $\chi^2/\text{NDF}: 3274713.7/59$

asym_bpm0l06WS_mean vs Slug



Right In: -950.232 ± 69.711 χ^2/NDF : 1750.9/32

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: -1556.132 ± 62.218 χ^2/NDF : 6392.8/36

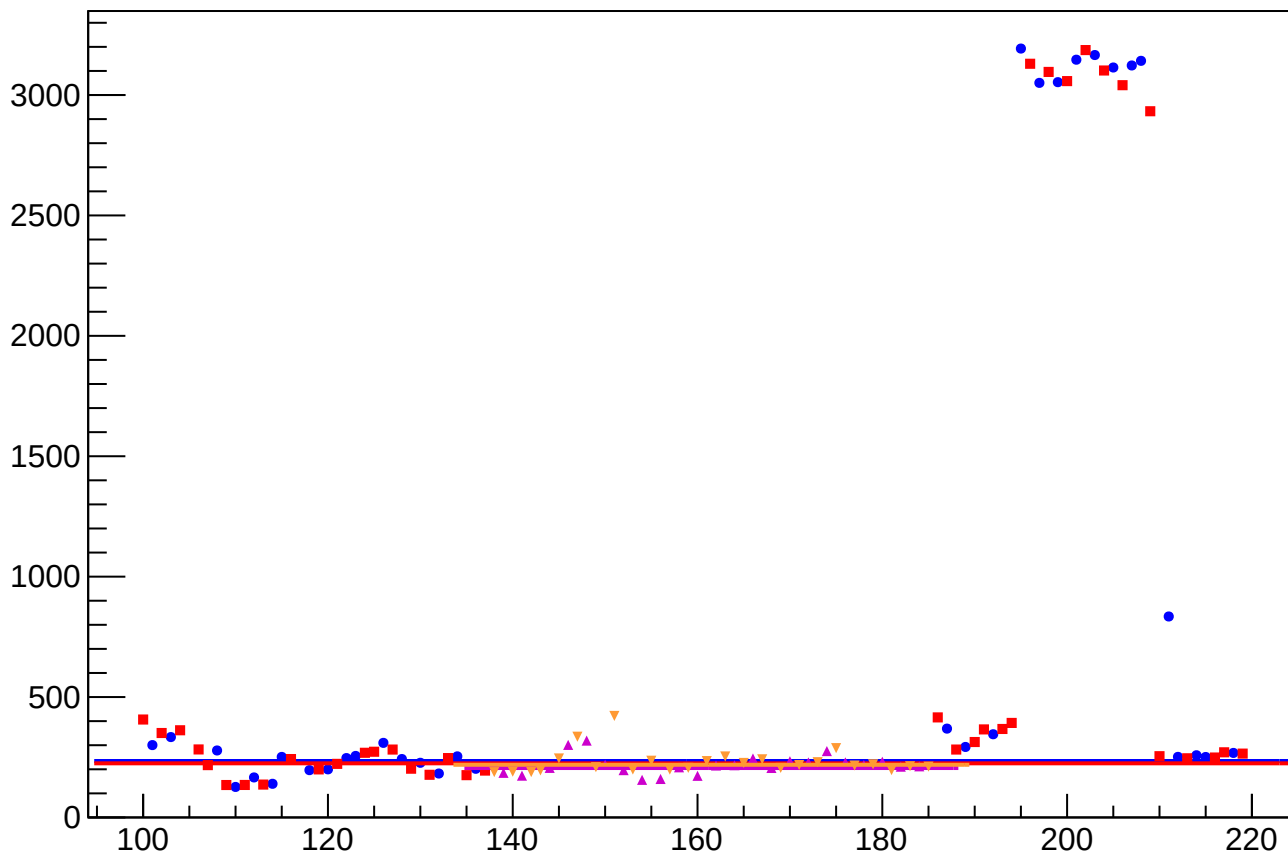
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 124.316 ± 41.763 χ^2/NDF : 4034.3/57

All: -379.485 ± 28.640 χ^2/NDF : 12132.7/117

- sign -826.777 ± 39.351 χ^2/NDF : 7823.7/59

asym_bpm0l06WS_rms vs Slug



Right In: 234.446 $\pm$ 0.049 χ^2 /NDF: 12199261.0/32

Left Out: 218.768 $\pm$ 0.037 χ^2 /NDF: 896914.5/24

Right Out: 224.793 $\pm$ 0.044 χ^2 /NDF: 11602787.2/36

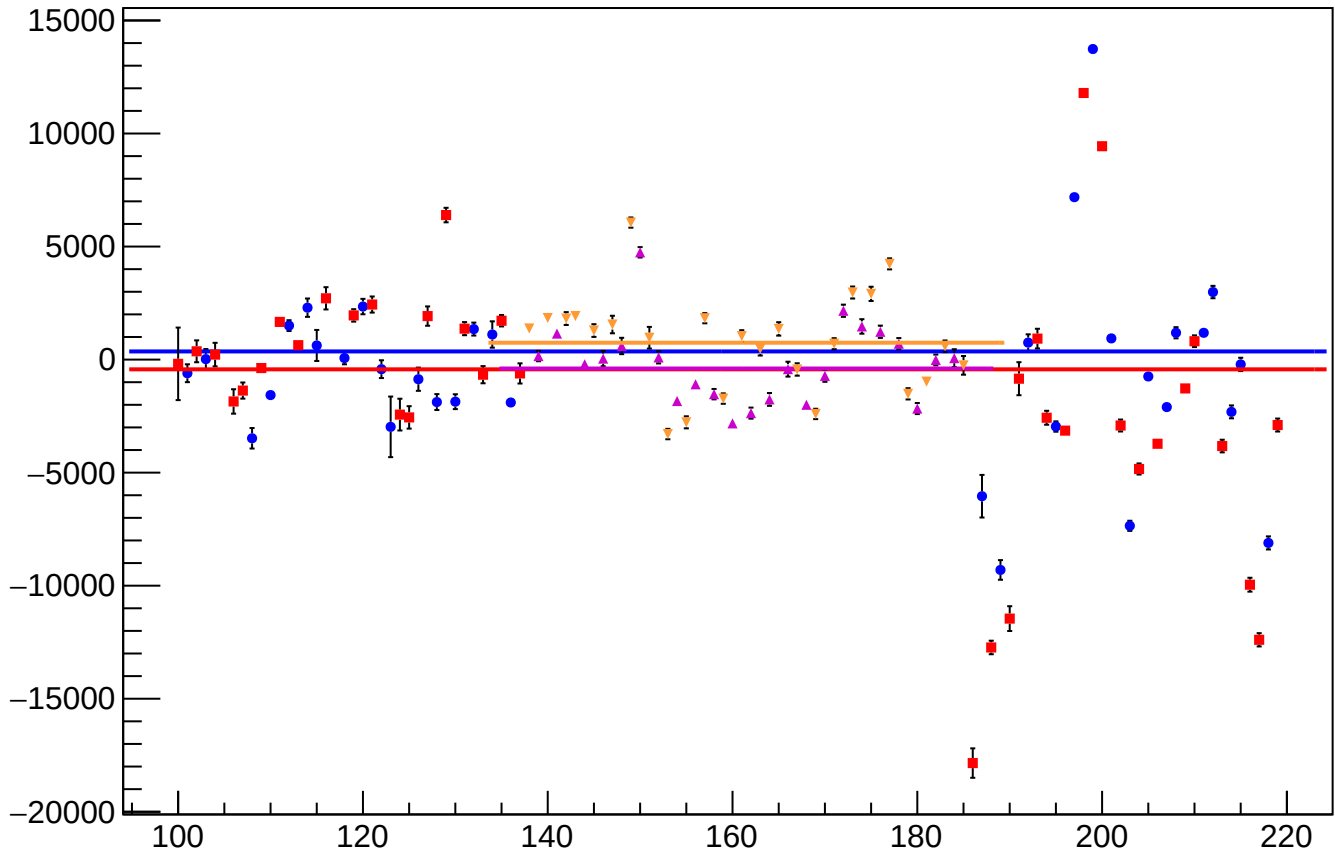
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 224.395 $\pm$ 0.030 χ^2 /NDF: 13161029.5/57

All: 218.395 $\pm$ 0.020 χ^2 /NDF: 25957340.4/1

- sign 213.067 $\pm$ 0.028 χ^2 /NDF: 12718358.7/59

asym_bpm0l07WS_mean vs Slug



Right In: 361.086 ± 49.644 $\chi^2/\text{NDF}: 9527.6/32$

Left Out: 746.405 ± 51.592 $\chi^2/\text{NDF}: 1942.1/24$

Right Out: -430.657 ± 48.407 $\chi^2/\text{NDF}: 13473.0/36$

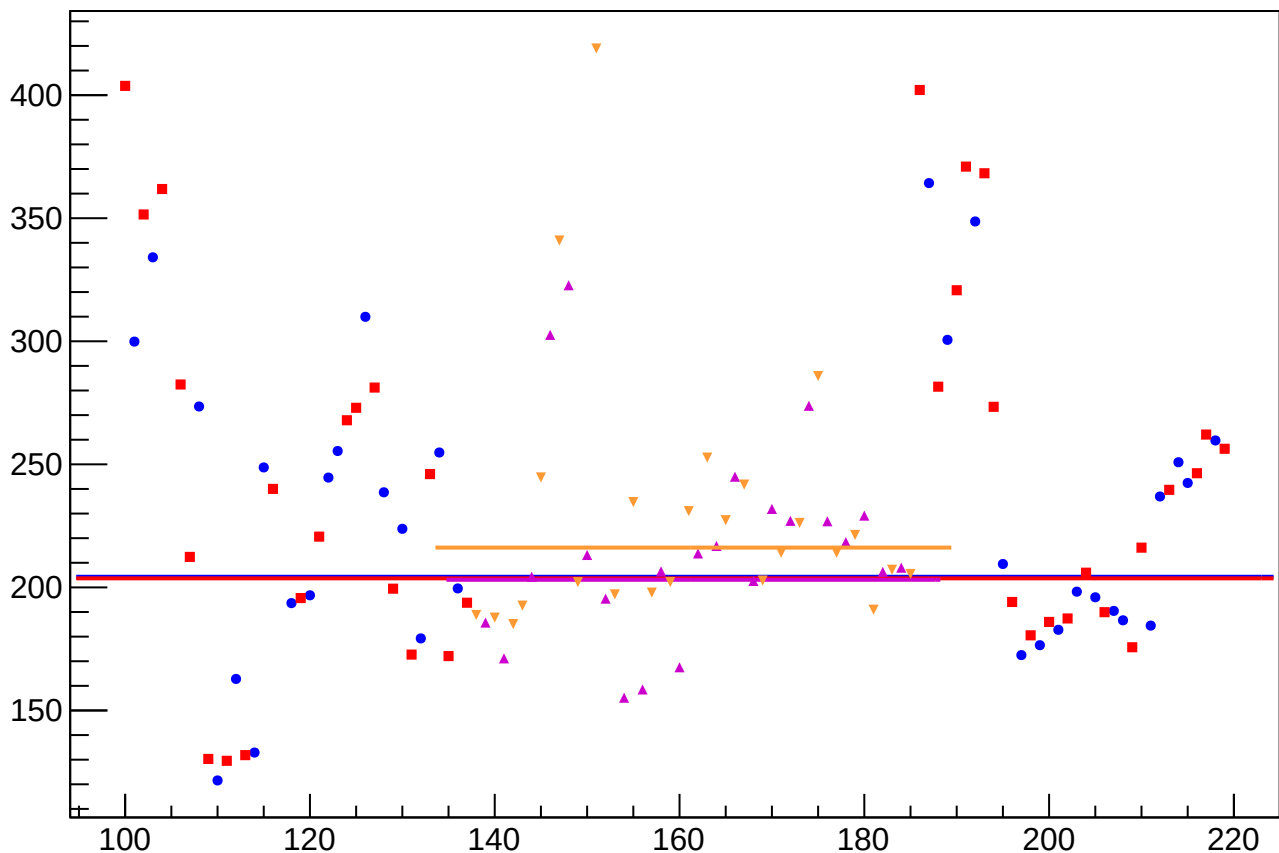
Left In: -394.379 ± 50.311 $\chi^2/\text{NDF}: 1236.4/22$

+ sign 546.335 ± 35.772 $\chi^2/\text{NDF}: 11498.6/57$

All: 54.480 ± 24.974 $\chi^2/\text{NDF}: 26577.2/117$

- sign -413.218 ± 34.883 $\chi^2/\text{NDF}: 14709.7/59$

asym_bpm0l07WS_rms vs Slug



Right In: 204.320 $\pm$ 0.035 χ^2 /NDF: 1751339.8/32

Left Out: 216.178 $\pm$ 0.036 χ^2 /NDF: 946050.8/24

Right Out: 203.676 $\pm$ 0.034 χ^2 /NDF: 2718964.8/36

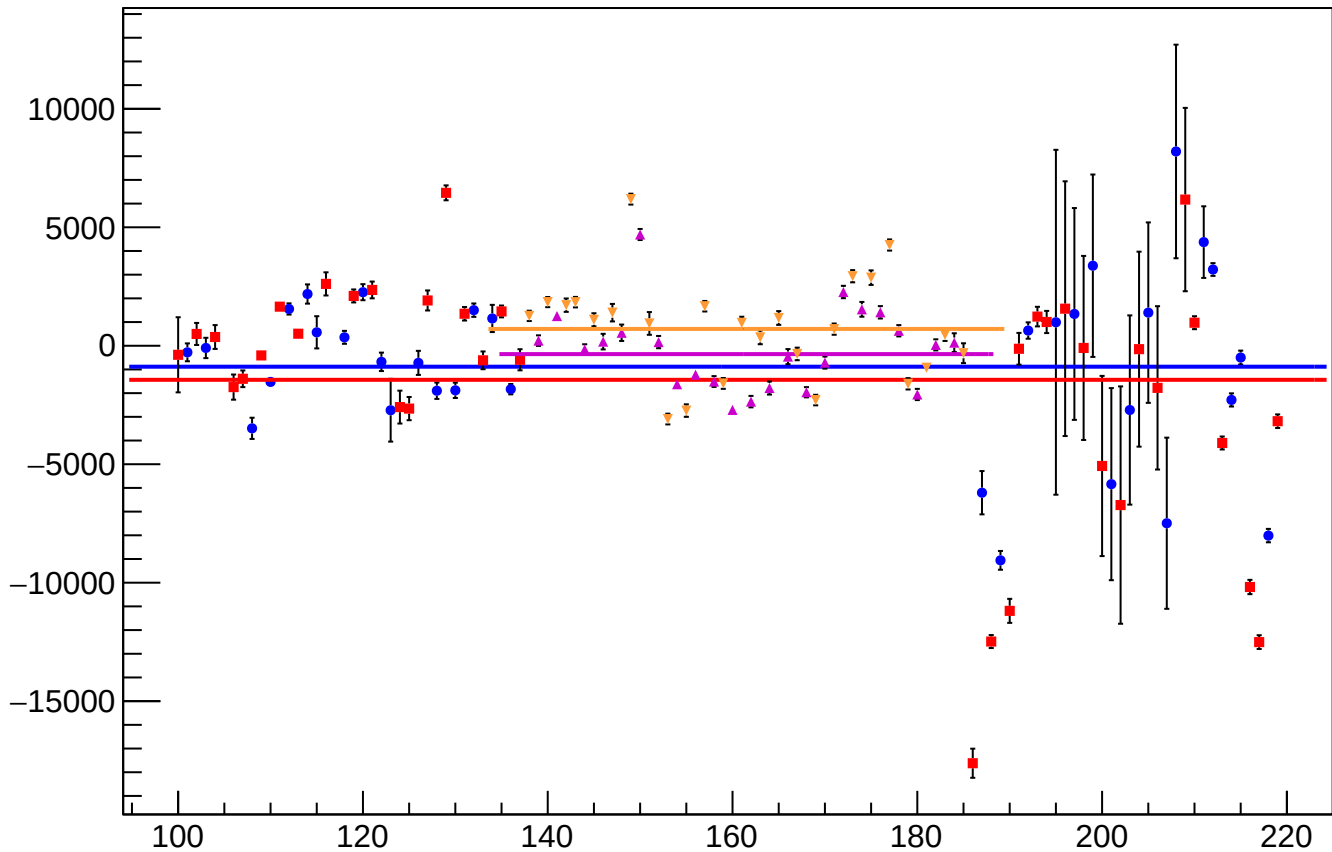
Left In: 203.101 $\pm$ 0.036 χ^2 /NDF: 1038013.0/22

+ sign 210.021 $\pm$ 0.025 χ^2 /NDF: 2752248.1/57

All: 206.627 $\pm$ 0.018 χ^2 /NDF: 6544487.1/117

- sign 203.399 $\pm$ 0.025 χ^2 /NDF: 3757113.5/59

asym_bpm0l08WS_mean vs Slug



Right In: -883.802 ± 67.036 $\chi^2/\text{NDF}: 1841.6/32$

Left Out: 710.238 ± 50.750 $\chi^2/\text{NDF}: 1932.3/24$

Right Out: -1437.629 ± 59.367 $\chi^2/\text{NDF}: 6953.8/36$

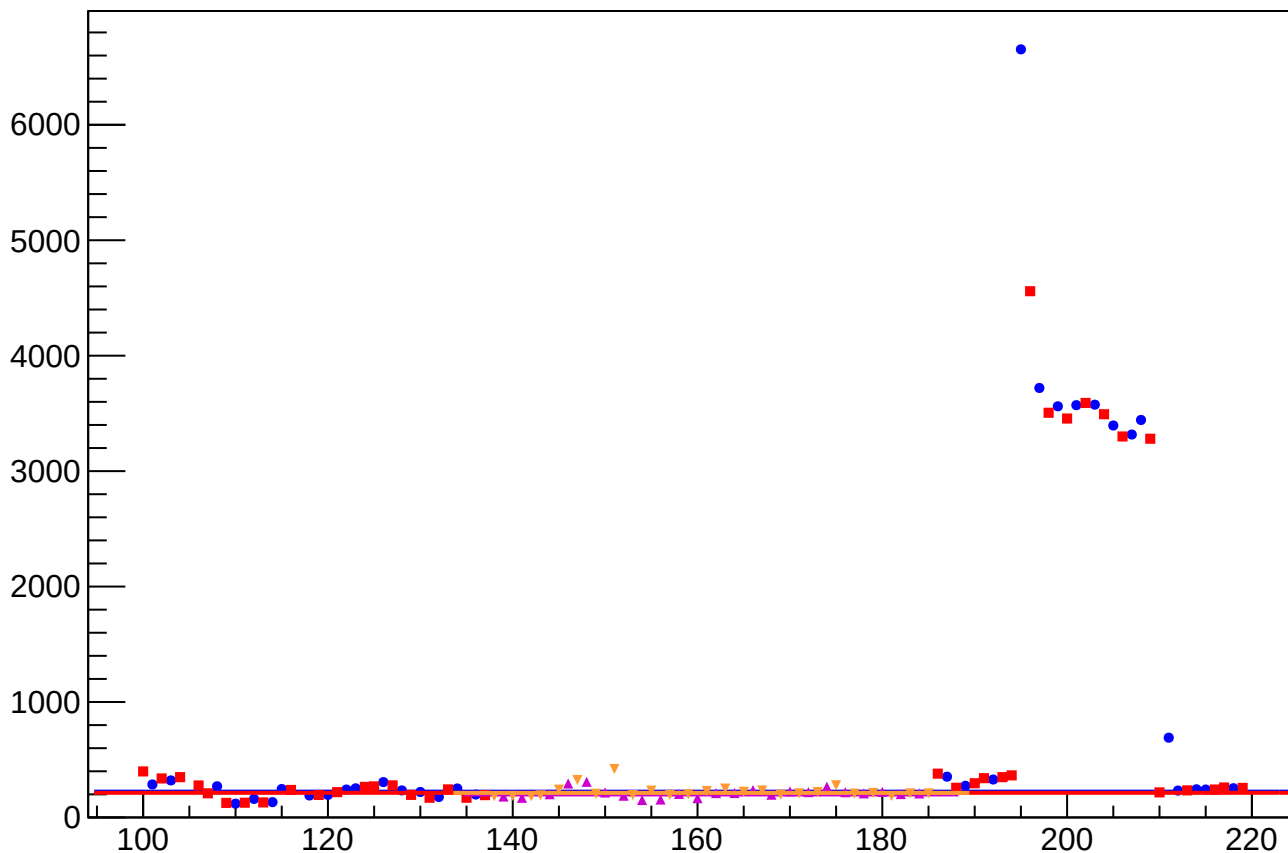
Left In: -352.432 ± 49.316 $\chi^2/\text{NDF}: 1233.1/22$

+ sign 129.476 ± 40.463 $\chi^2/\text{NDF}: 4133.3/57$

All: -362.818 ± 27.674 $\chi^2/\text{NDF}: 12796.1/117$

- sign -795.521 ± 37.935 $\chi^2/\text{NDF}: 8384.6/59$

asym_bpm0l08WS_rms vs Slug



Right In: 223.578+/-0.047 χ^2/NDF : 12554739.5/32

Left Out: 212.718+/-0.036 χ^2/NDF : 916225.9/24

Right Out: 213.450+/-0.042 χ^2/NDF : 11857655.0/36

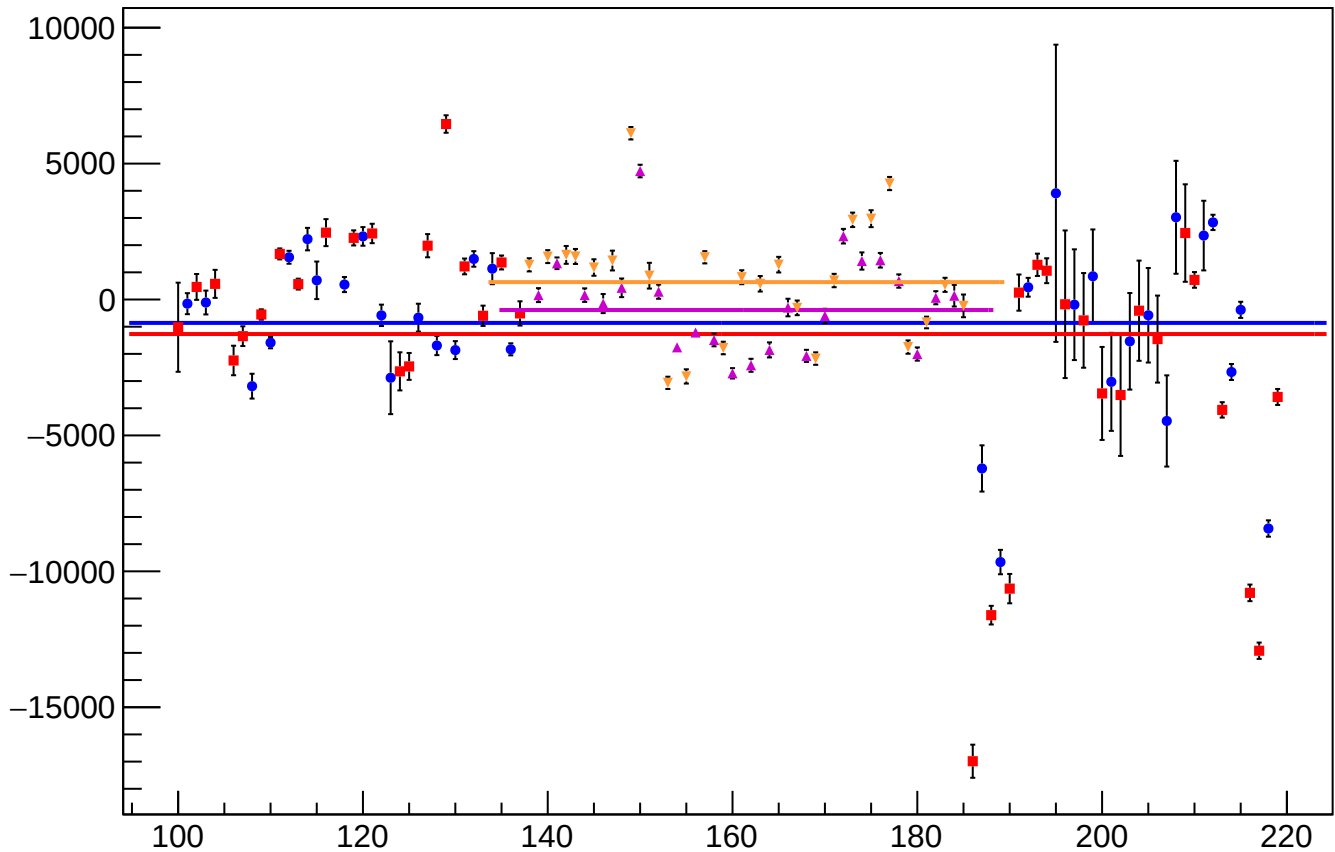
Left In: 199.142+/-0.035 χ^2/NDF : 985932.4/22

+ sign 216.675+/-0.029 χ^2/NDF : 13504329.6/57

All: 210.453+/-0.020 χ^2/NDF : 26505514.0/11

- sign 204.984+/-0.027 χ^2/NDF : 12912326.6/59

asym_bpm0l09WS_mean vs Slug



Right In: -860.385 ± 68.327 $\chi^2/\text{NDF}: 1736.3/32$

Left Out: 639.995 ± 52.708 $\chi^2/\text{NDF}: 1859.2/24$

Right Out: -1270.029 ± 60.947 $\chi^2/\text{NDF}: 6133.6/36$

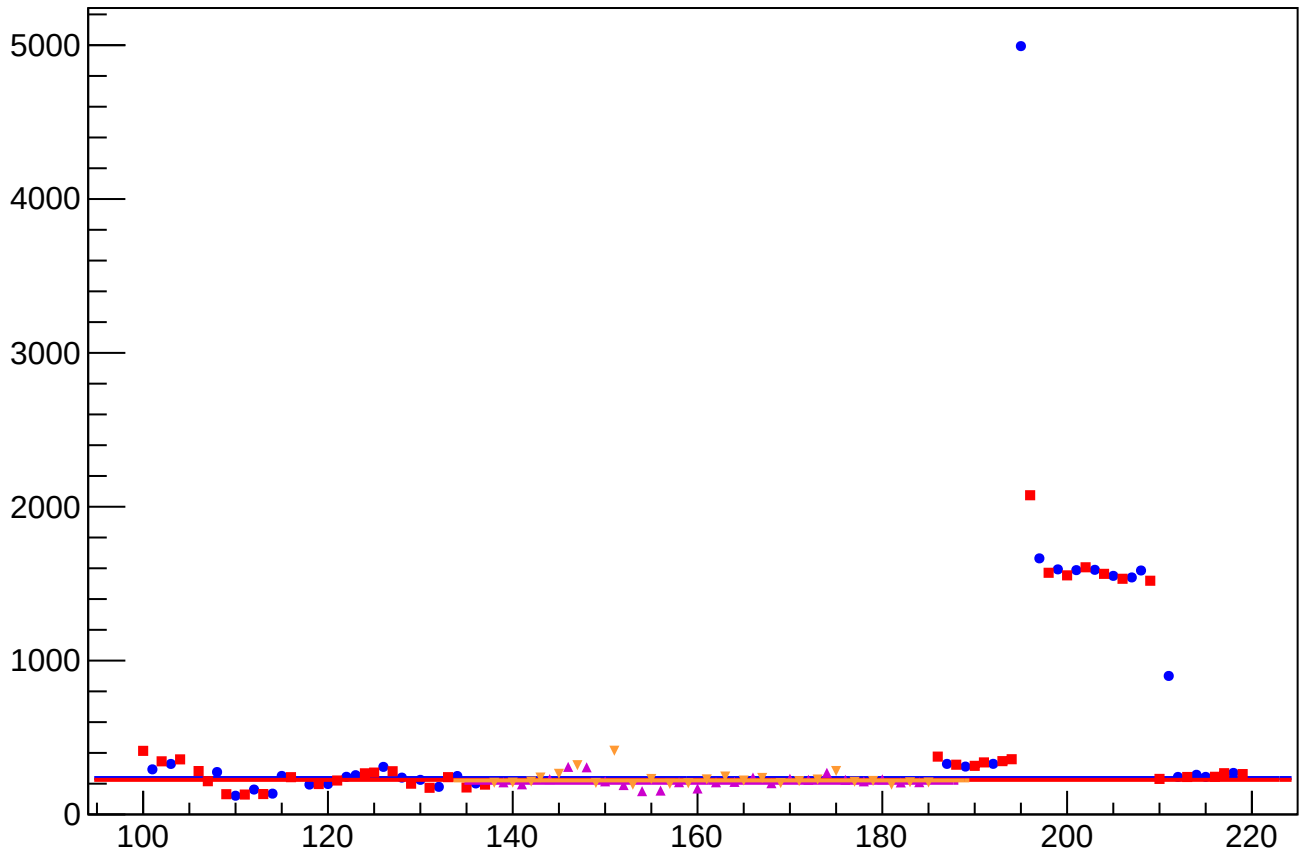
Left In: -386.248 ± 50.994 $\chi^2/\text{NDF}: 1238.0/22$

+ sign 80.246 ± 41.734 $\chi^2/\text{NDF}: 3897.8/57$

All: -361.888 ± 28.537 $\chi^2/\text{NDF}: 11603.9/117$

- sign -750.170 ± 39.110 $\chi^2/\text{NDF}: 7495.3/59$

asym_bpm0l09WS_rms vs Slug



Right In: 236.688+/-0.048 χ^2/NDF : 11320975.8/32

Left Out: 221.398+/-0.037 χ^2/NDF : 777833.8/24

Right Out: 224.879+/-0.043 χ^2/NDF : 10268960.9/36

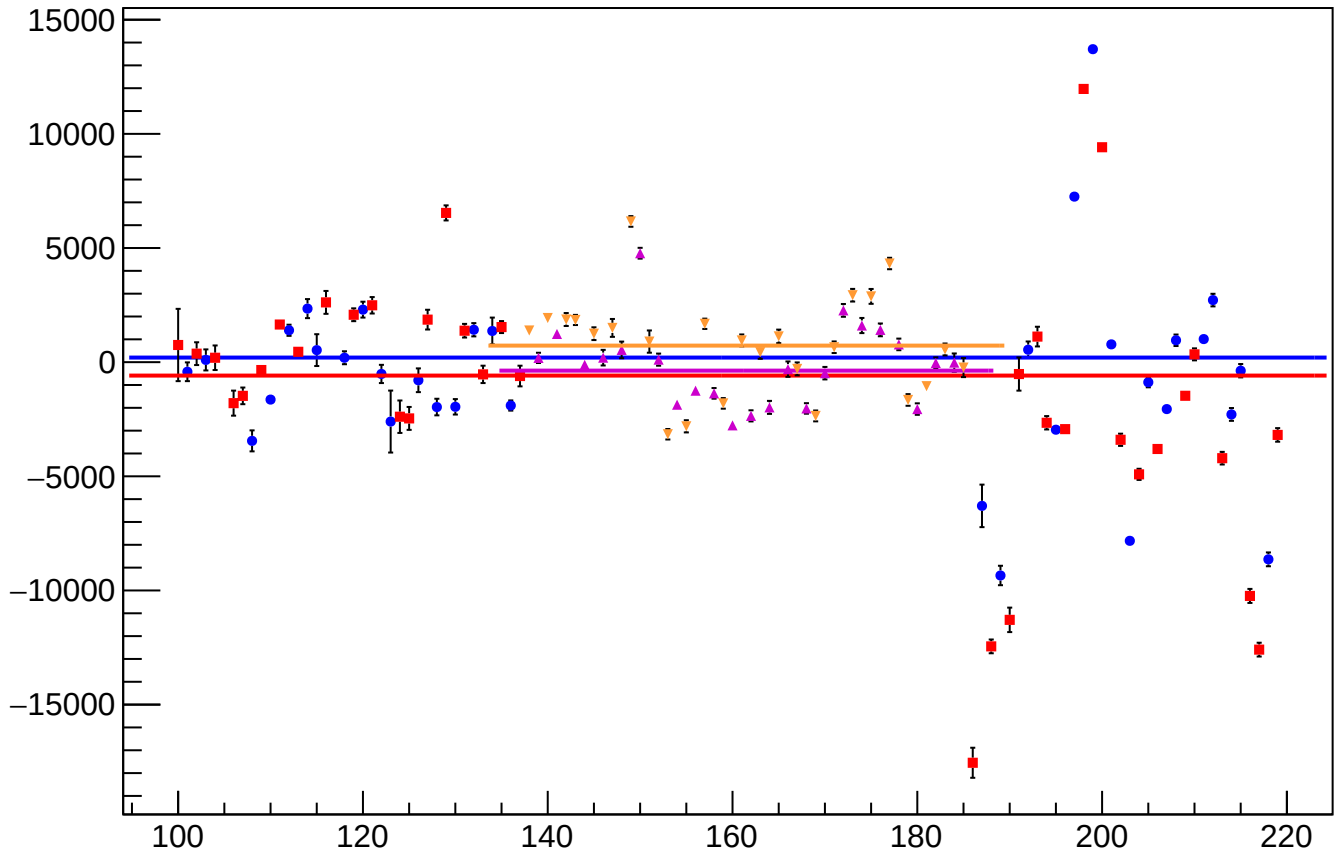
Left In: 205.803+/-0.036 χ^2/NDF : 994903.5/22

+ sign 227.102+/-0.030 χ^2/NDF : 12161596.7/57

All: 219.944+/-0.020 χ^2/NDF : 23651205.0/11

- sign 213.658+/-0.028 χ^2/NDF : 11379104.2/59

asym_bpm0l10WS_mean vs Slug



Right In: 201.299 ± 50.125 χ^2/NDF : 9493.4/32

Left Out: 725.250 ± 52.307 χ^2/NDF : 1883.1/24

Right Out: -587.790 ± 49.148 χ^2/NDF : 13114.1/36

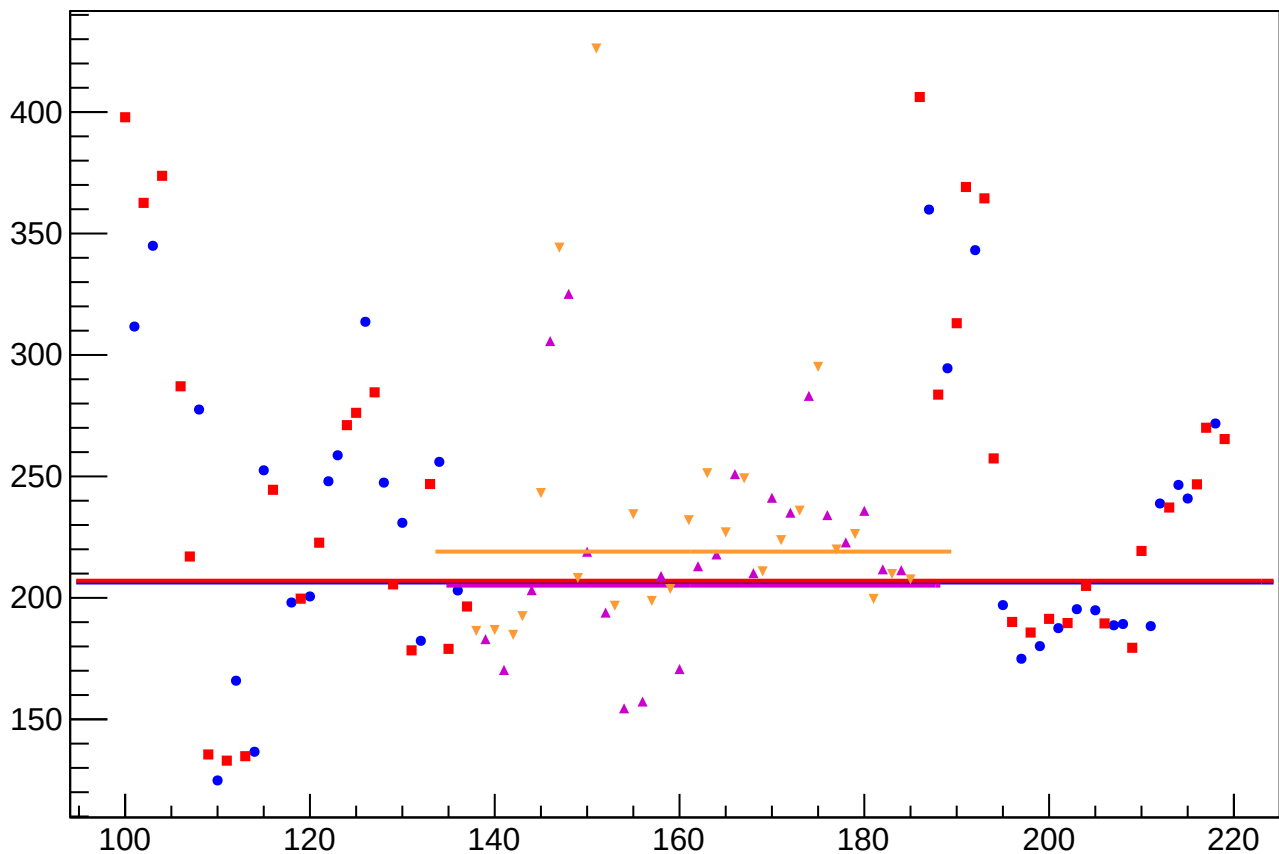
Left In: -370.408 ± 50.884 χ^2/NDF : 1223.2/22

+ sign 452.118 ± 36.191 χ^2/NDF : 11428.9/57

All: -26.348 ± 25.289 χ^2/NDF : 26117.1/117

- sign -482.870 ± 35.351 χ^2/NDF : 14346.7/59

asym_bpm0l10WS_rms vs Slug



Right In: 206.335 ± 0.035 $\chi^2/\text{NDF}: 1708858.5/32$

Left Out: 219.049 ± 0.037 $\chi^2/\text{NDF}: 975564.4/24$

Right Out: 207.061 ± 0.035 $\chi^2/\text{NDF}: 2571435.5/36$

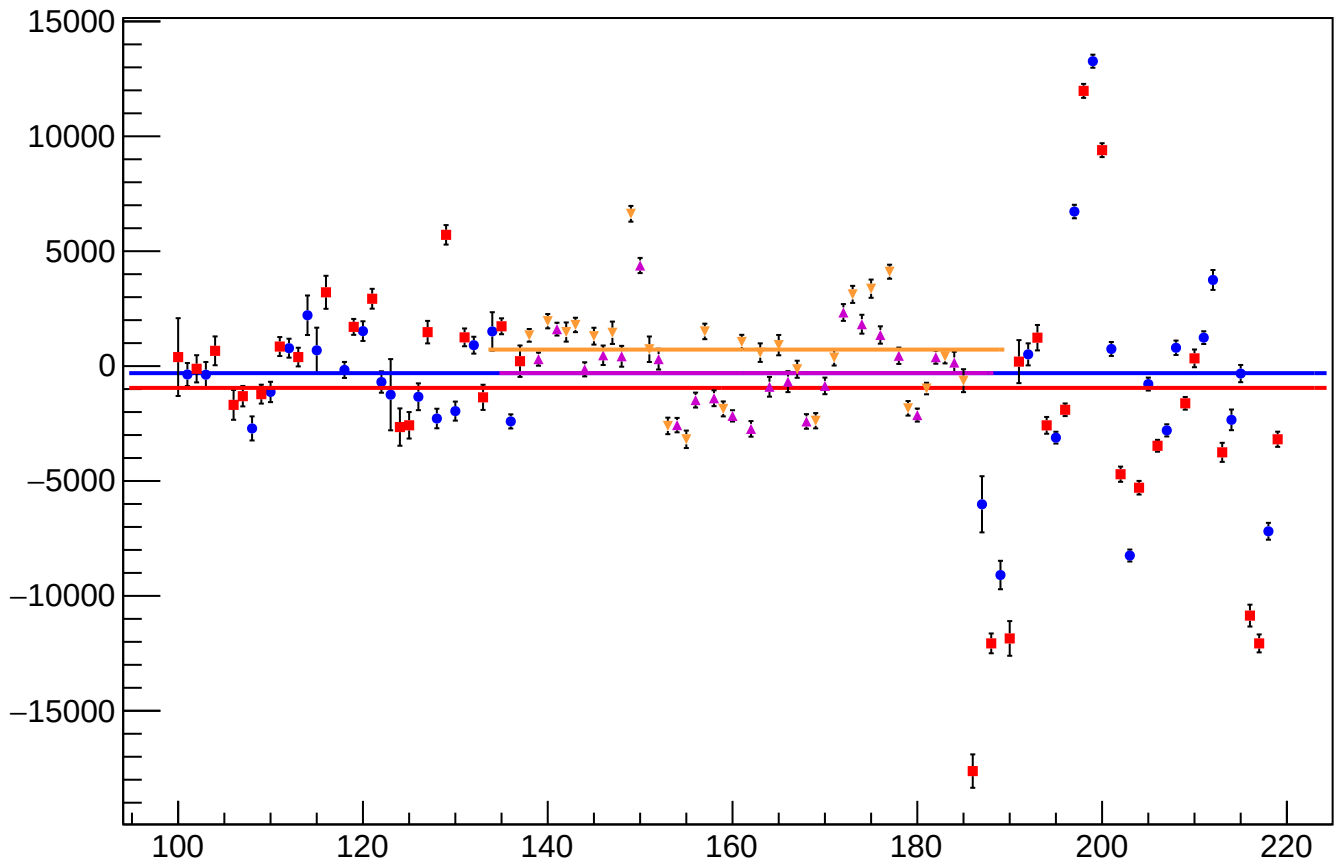
Left In: 205.046 ± 0.036 $\chi^2/\text{NDF}: 1144197.1/22$

+ sign 212.421 ± 0.026 $\chi^2/\text{NDF}: 2746015.8/57$

All: 209.181 ± 0.018 $\chi^2/\text{NDF}: 6494604.3/117$

- sign 206.089 ± 0.025 $\chi^2/\text{NDF}: 3717254.3/59$

asym_bpm0r03WS_mean vs Slug



Right In: -306.894 ± 66.837 $\chi^2/\text{NDF}: 4892.0/32$

Left Out: 718.705 ± 69.601 $\chi^2/\text{NDF}: 1018.5/24$

Right Out: -948.954 ± 67.622 $\chi^2/\text{NDF}: 6811.8/36$

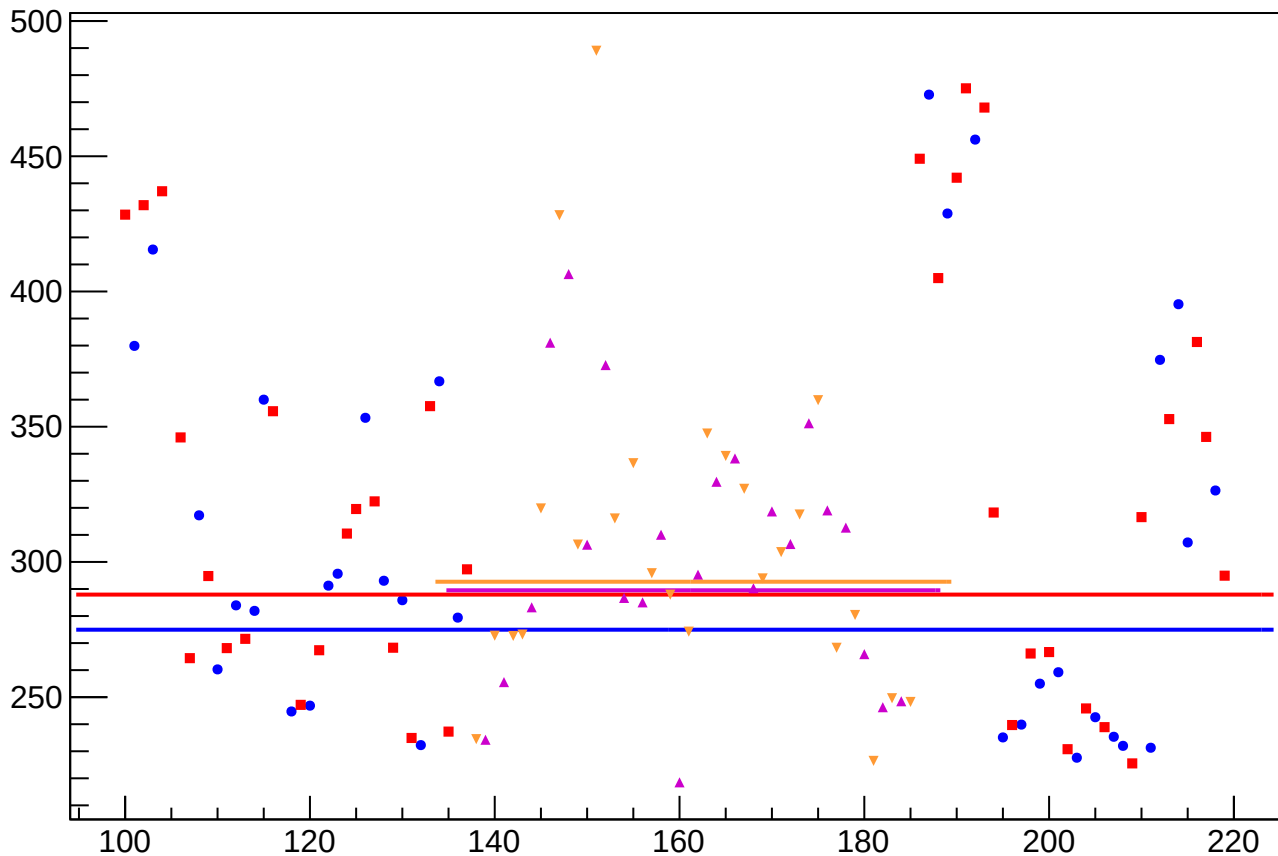
Left In: -304.161 ± 70.958 $\chi^2/\text{NDF}: 643.5/22$

+ sign 185.142 ± 48.208 $\chi^2/\text{NDF}: 6023.5/57$

All: -222.129 ± 34.349 $\chi^2/\text{NDF}: 13667.0/117$

- sign -642.071 ± 48.953 $\chi^2/\text{NDF}: 7498.6/59$

asym_bpm0r03WS_rms vs Slug



Right In: 274.946 $\pm$ 0.047 χ^2 /NDF: 1447910.0/32

Left Out: 292.686 $\pm$ 0.049 χ^2 /NDF: 925193.6/24

Right Out: 287.928 $\pm$ 0.048 χ^2 /NDF: 1633570.4/36

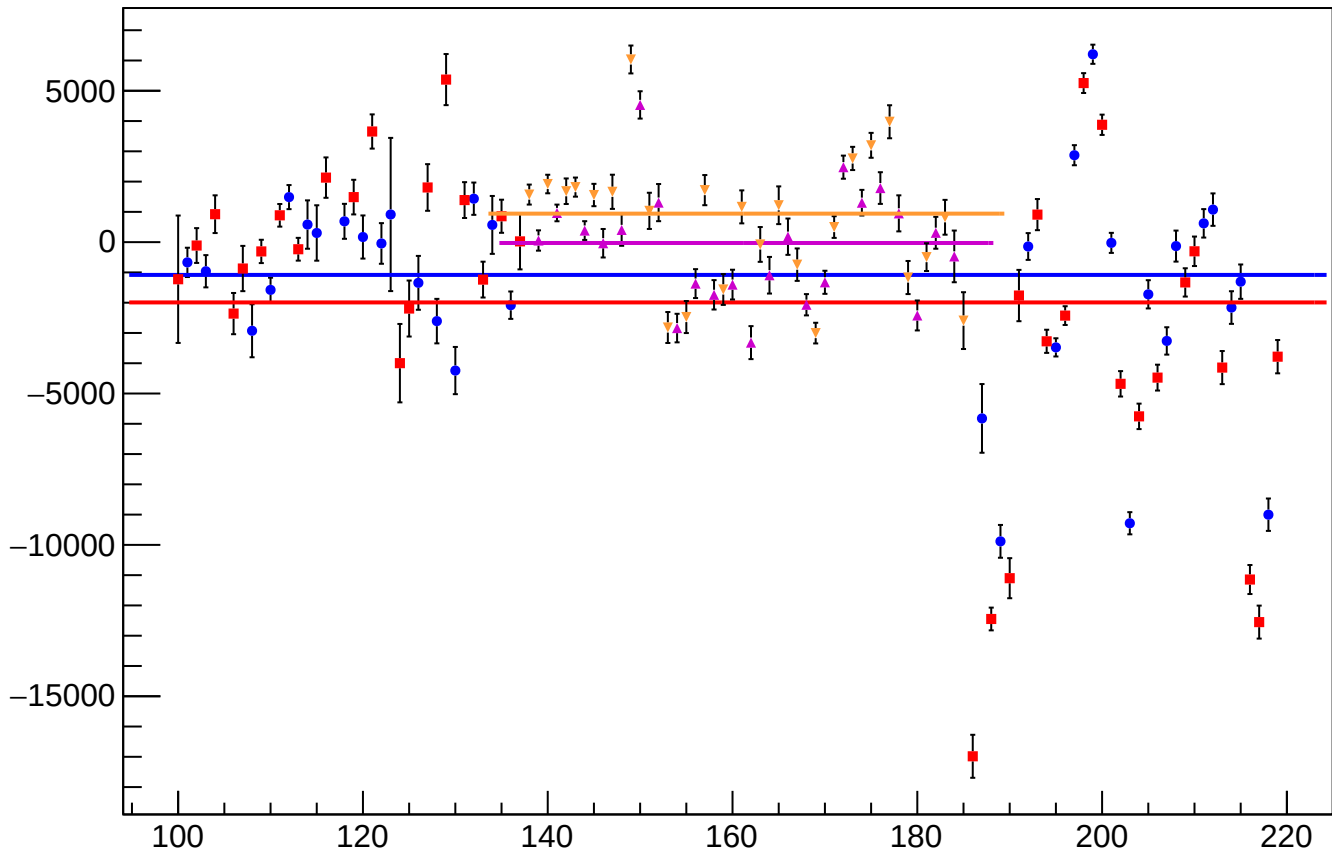
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 283.457 $\pm$ 0.034 χ^2 /NDF: 2440695.9/57

All: 286.032 $\pm$ 0.024 χ^2 /NDF: 4864283.6/117

- sign 288.687 $\pm$ 0.035 χ^2 /NDF: 2411999.9/59

asym_bpm0r05WS_mean vs Slug



Right In: -1082.422 ± 86.635 $\chi^2/\text{NDF}: 1935.5/32$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -1991.200 ± 82.690 $\chi^2/\text{NDF}: 3664.0/36$

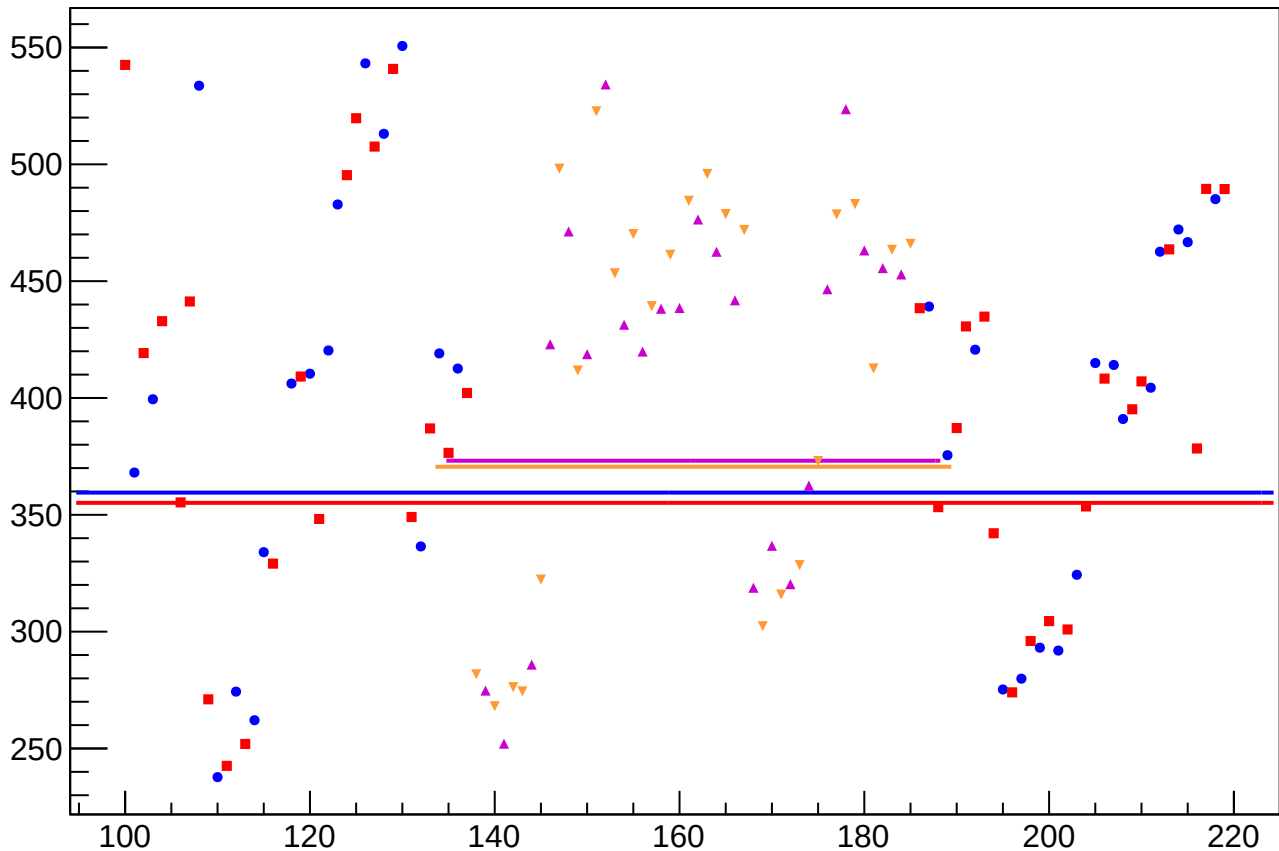
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign -99.014 ± 62.120 $\chi^2/\text{NDF}: 2745.3/57$

All: -612.452 ± 43.740 $\chi^2/\text{NDF}: 7158.3/117$

- sign -1117.306 ± 61.598 $\chi^2/\text{NDF}: 4277.5/59$

asym_bpm0r05WS_rms vs Slug



Right In: 359.516+/-0.061 χ^2/NDF : 1710145.5/32

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 355.128+/-0.058 χ^2/NDF : 1595935.0/36

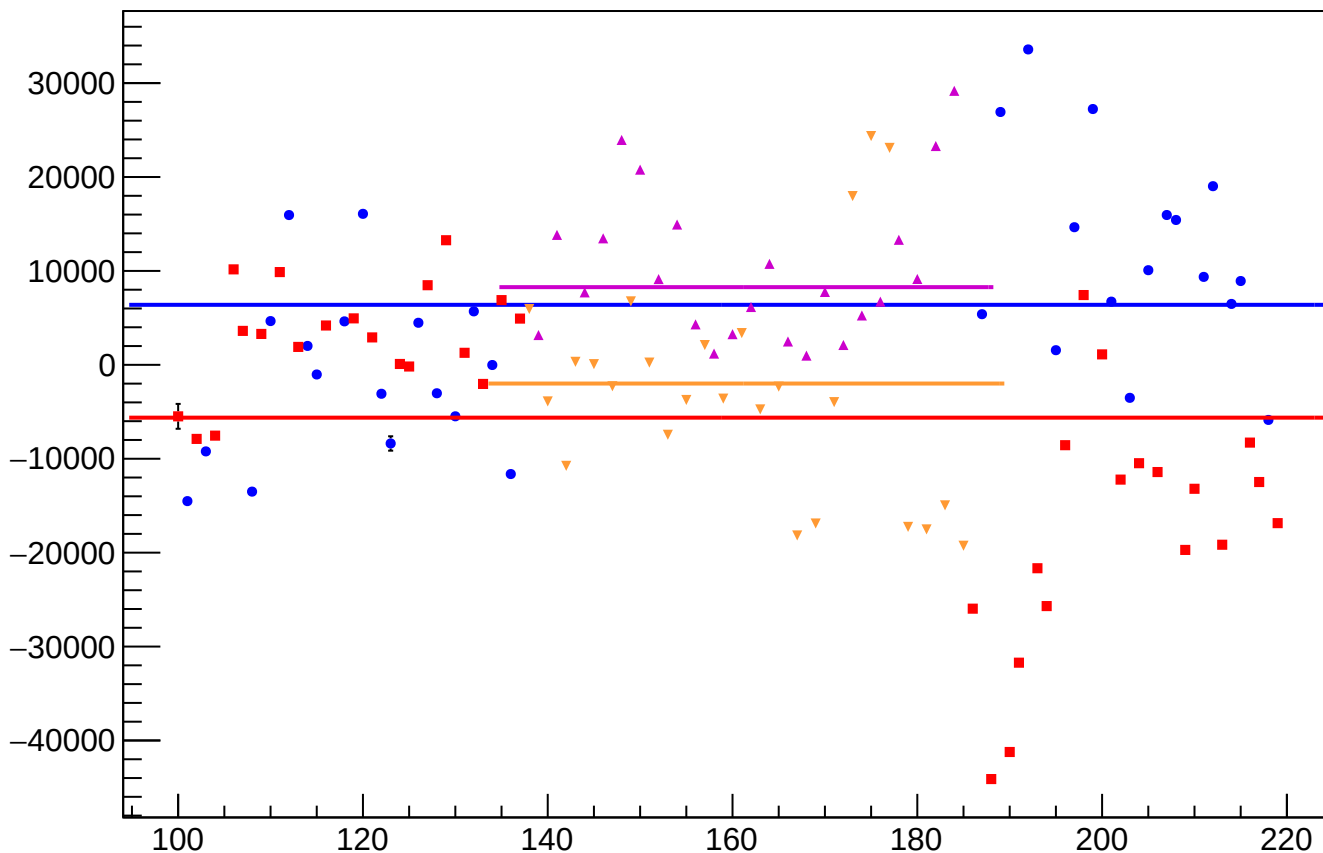
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 364.892+/-0.044 χ^2/NDF : 3604111.4/57

All: 364.016+/-0.031 χ^2/NDF : 6879411.8/117

- sign 363.154+/-0.044 χ^2/NDF : 3274511.6/59

asym_bpm0i02WS_mean vs Slug



Right In: 6390.764+/-39.206 χ^2/NDF : 96018.3/32

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -5624.144+/-37.551 χ^2/NDF : 146871.1/36

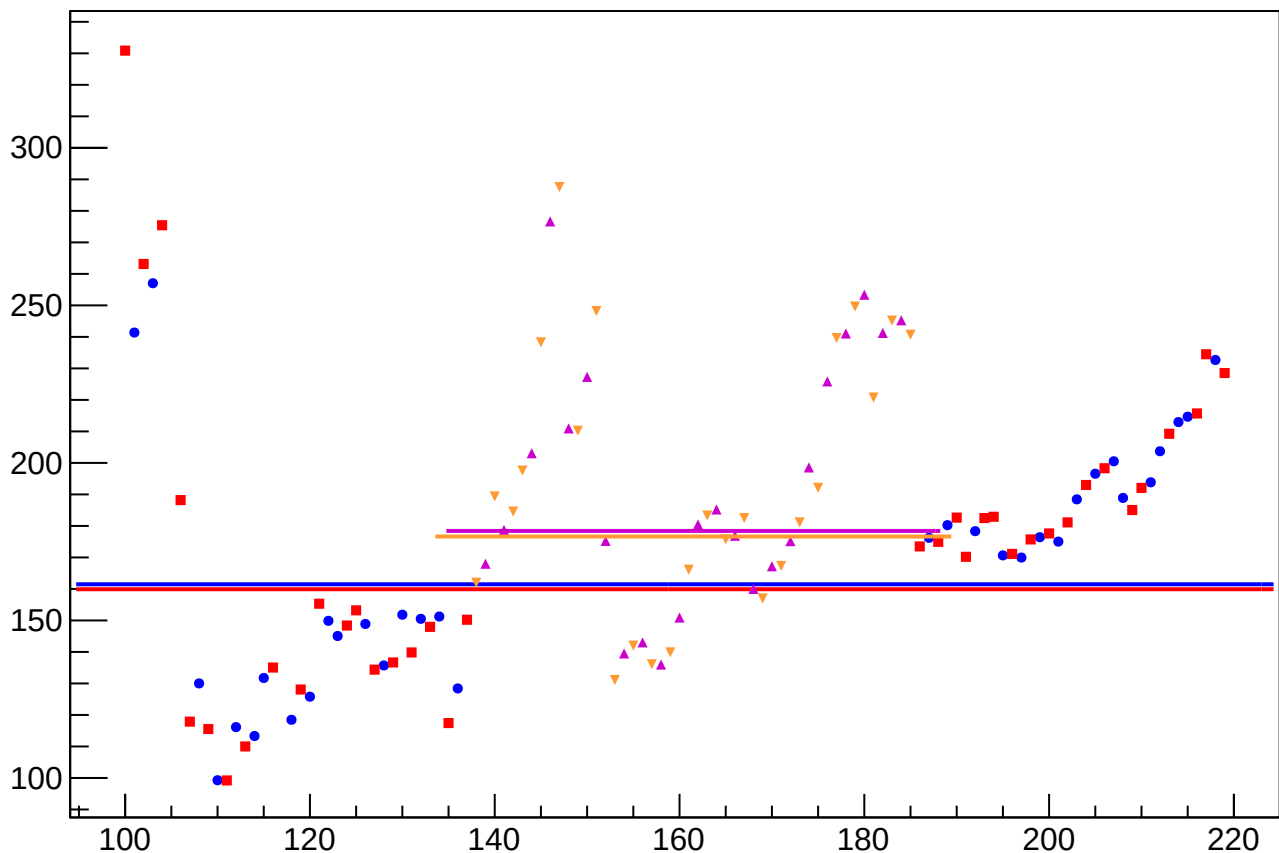
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 2529.660+/-28.794 χ^2/NDF : 180840.8/57

All: 1351.883+/-20.308 χ^2/NDF : 411175.6/11

- sign 186.272+/-28.645 χ^2/NDF : 227006.0/59

asym_bpm0i02WS_rms vs Slug



Right In: 161.476+/-0.028 χ^2/NDF : 1777563.0/32

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 159.906+/-0.027 χ^2/NDF : 2145050.8/36

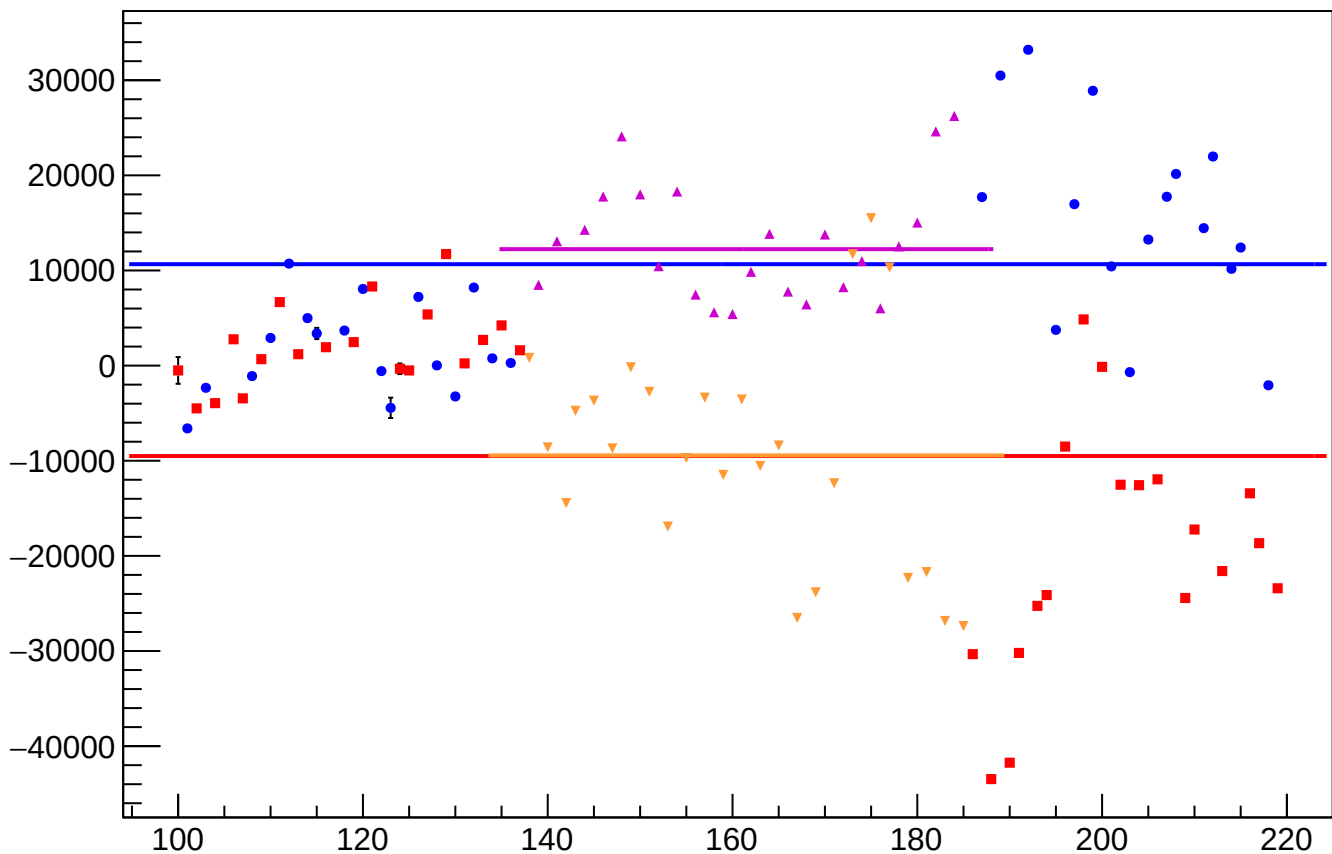
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 168.461+/-0.020 χ^2/NDF : 3466433.5/57

All: 168.050+/-0.014 χ^2/NDF : 7109146.8/117

- sign 167.644+/-0.020 χ^2/NDF : 3641903.3/59

asym_bpm0i02aWS_mean vs Slug



Right In: 10660.821+/-42.981 χ^2/NDF : 57632.3/32

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -9506.011+/-41.283 χ^2/NDF : 120349.6/36

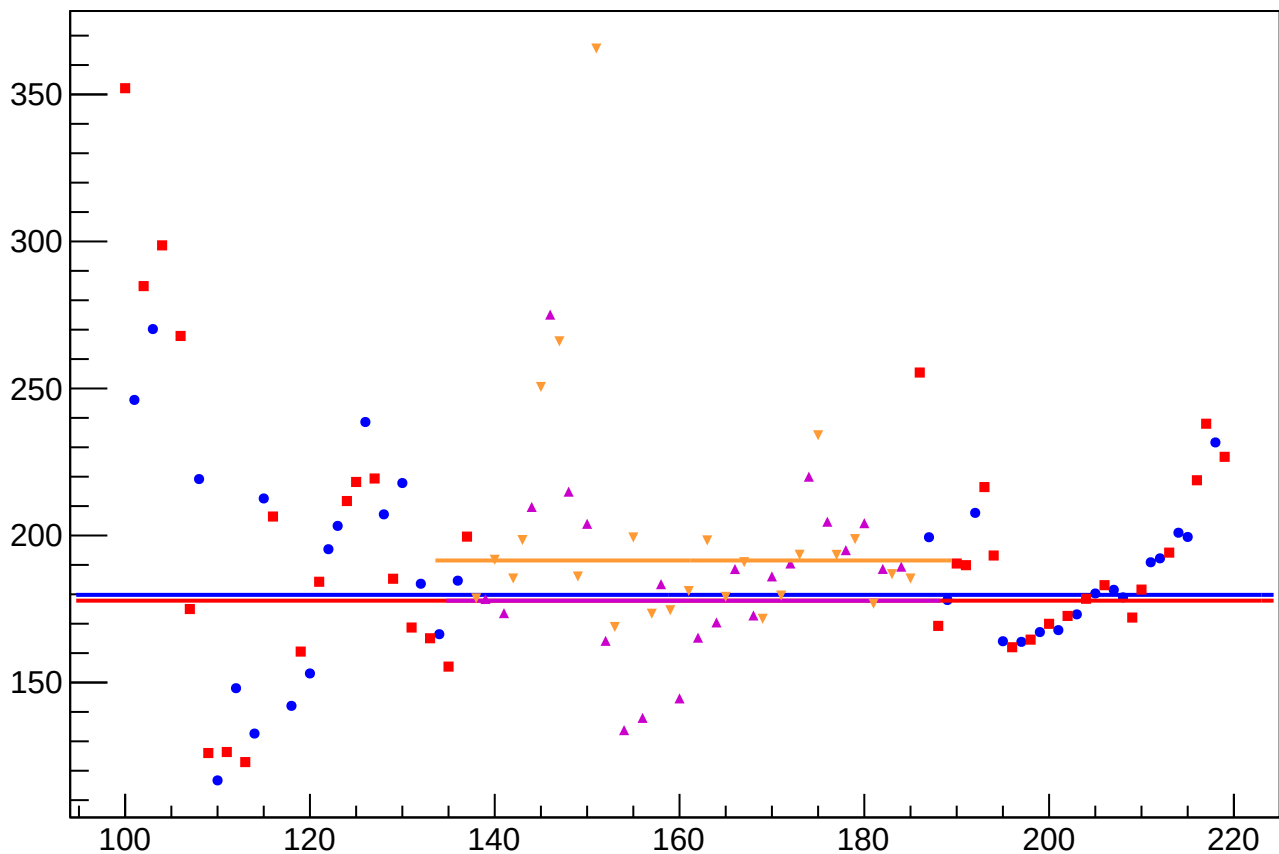
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign 1190.984+/-31.256 χ^2/NDF : 222878.8/57

All: 930.750+/-21.677 χ^2/NDF : 490083.8/117

- sign 689.593+/-30.088 χ^2/NDF : 267071.4/59

asym_bpm0i02aWS_rms vs Slug



Right In: 179.813 $\pm$ 0.030 χ^2 /NDF: 900735.9/32

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 177.840 $\pm$ 0.029 χ^2 /NDF: 1388827.0/36

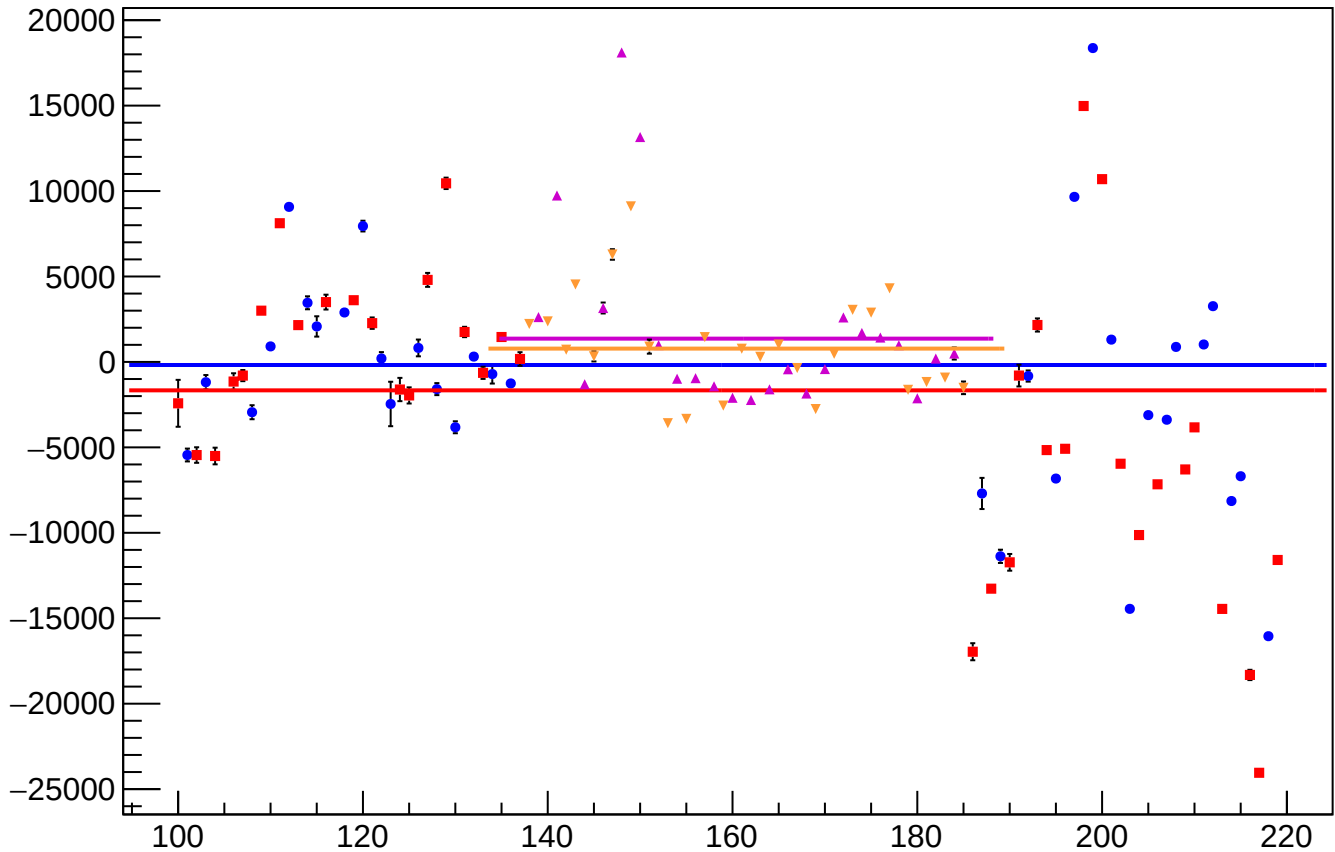
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 185.323 $\pm$ 0.022 χ^2 /NDF: 1697739.8/57

All: 181.435 $\pm$ 0.015 χ^2 /NDF: 4008694.0/117

- sign 177.832 $\pm$ 0.021 χ^2 /NDF: 2251321.5/59

asym_bpm0i05WS_mean vs Slug



Right In: -179.708 ± 48.117 $\chi^2/\text{NDF}: 25497.0/32$

Left Out: 779.983 ± 47.457 $\chi^2/\text{NDF}: 4260.8/24$

Right Out: -1663.290 ± 46.406 $\chi^2/\text{NDF}: 35770.8/36$

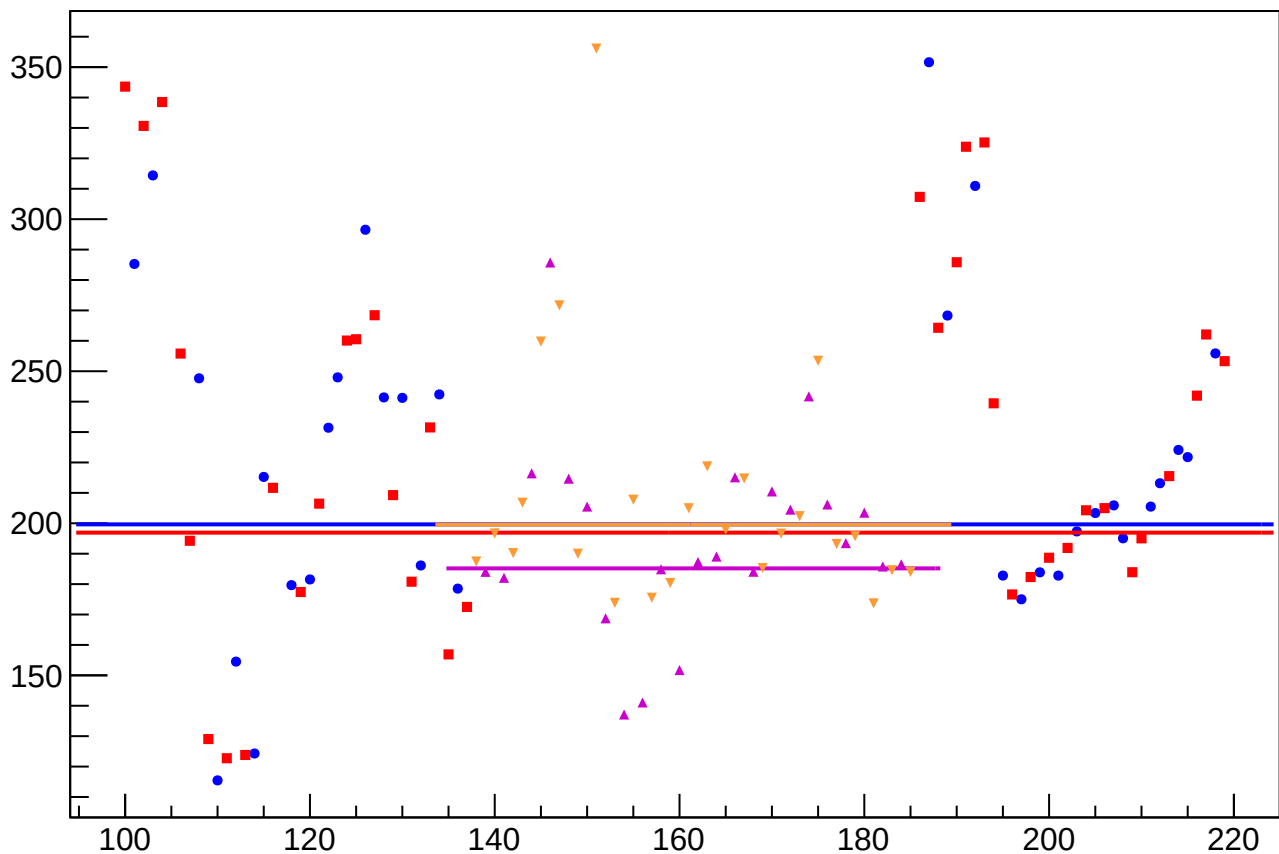
Left In: 1363.043 ± 45.807 $\chi^2/\text{NDF}: 11632.9/22$

+ sign 306.762 ± 33.788 $\chi^2/\text{NDF}: 29959.4/57$

All: 80.329 ± 23.460 $\chi^2/\text{NDF}: 79603.9/117$

- sign -130.457 ± 32.600 $\chi^2/\text{NDF}: 49557.7/59$

asym_bpm0i05WS_rms vs Slug



Right In: 199.645 ± 0.034 χ^2/NDF : 1547842.9/32

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 196.925 ± 0.033 χ^2/NDF : 2402441.1/36

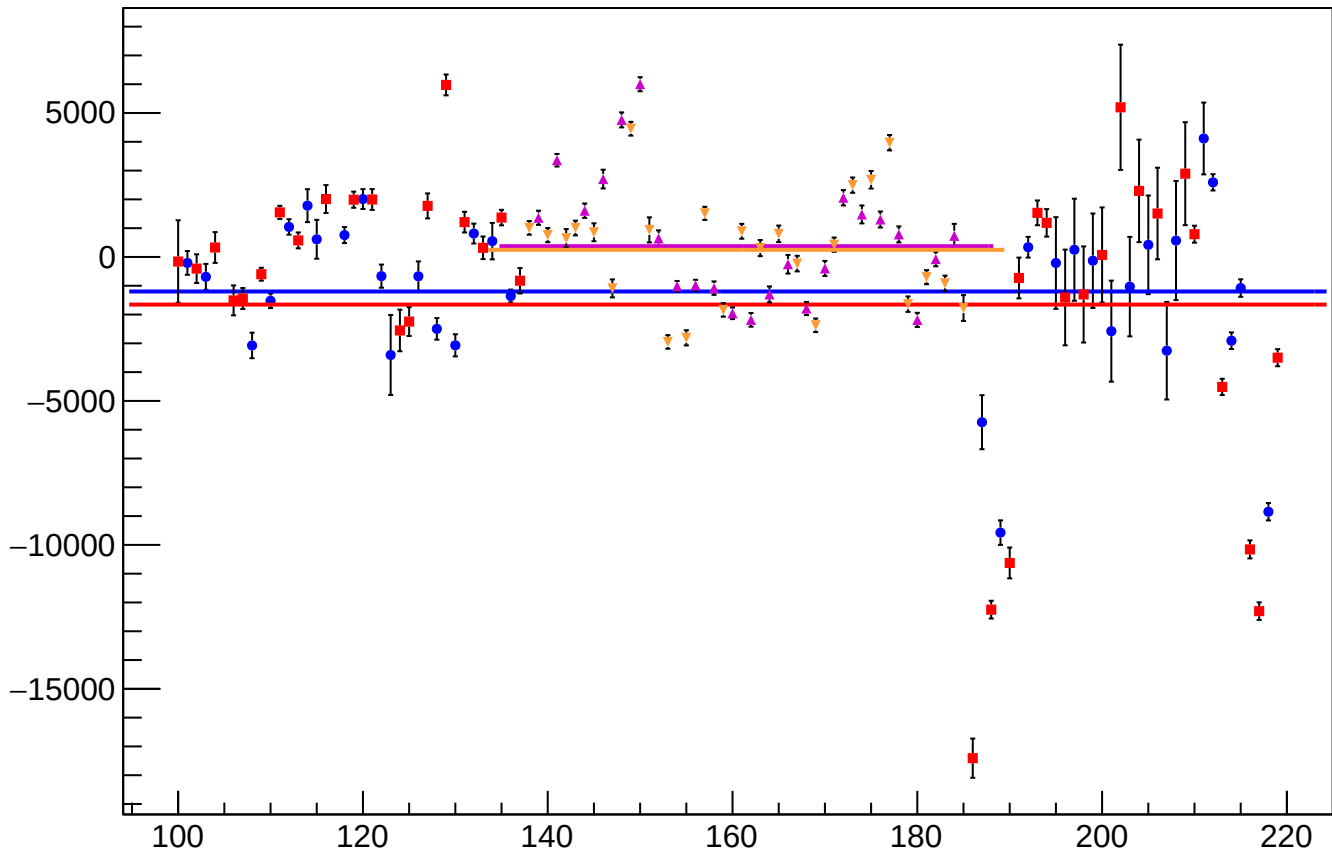
Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

+ sign 199.595 ± 0.024 χ^2/NDF : 2277203.4/57

All: 195.129 ± 0.017 χ^2/NDF : 5694866.7/117

- sign 190.972 ± 0.023 χ^2/NDF : 3350191.4/59

asym_bpm0i07WS_mean vs Slug



Right In: -1198.997 ± 72.398 $\chi^2/\text{NDF}: 1656.7/32$

Left Out: 247.844 ± 53.555 $\chi^2/\text{NDF}: 1355.1/24$

Right Out: -1653.608 ± 65.299 $\chi^2/\text{NDF}: 5640.1/36$

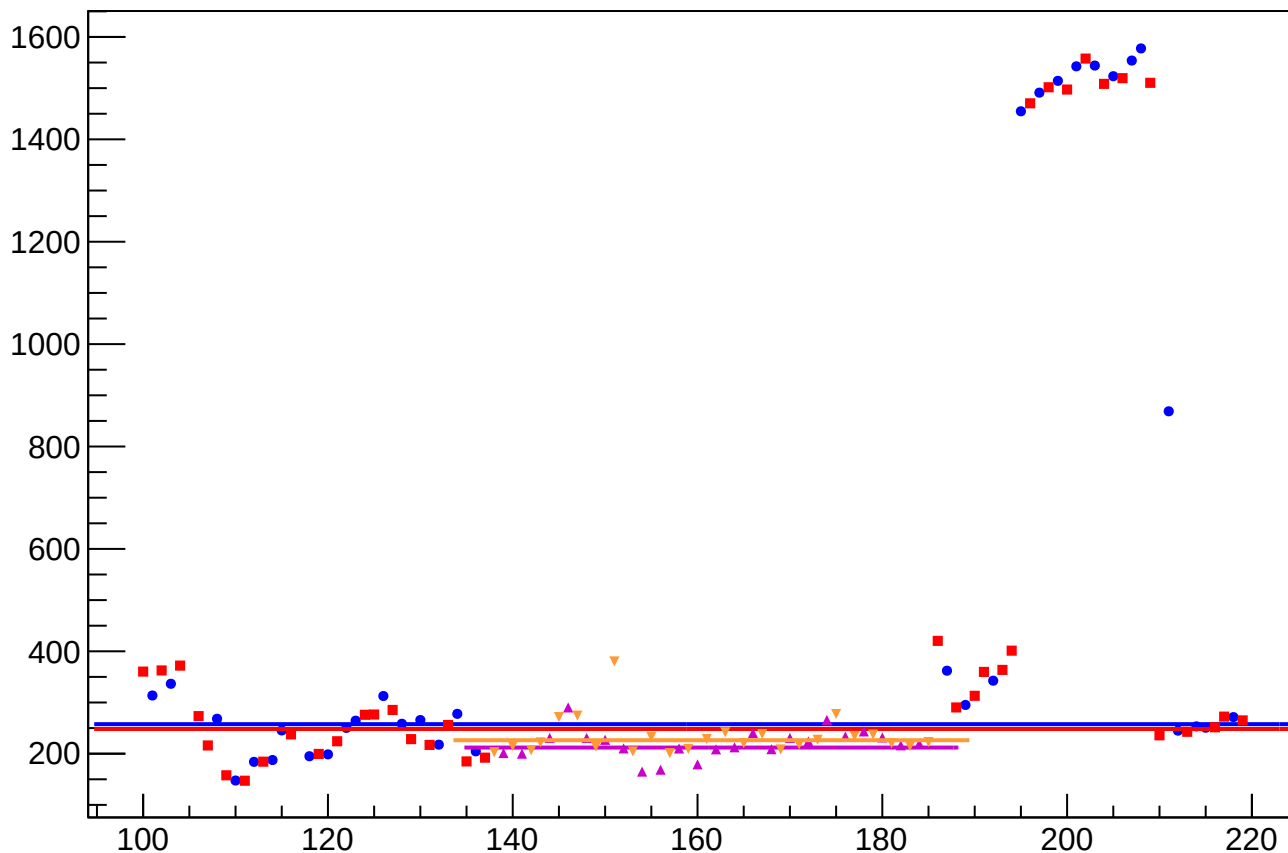
Left In: 374.122 ± 52.049 $\chi^2/\text{NDF}: 1801.0/22$

+ sign -263.862 ± 43.055 $\chi^2/\text{NDF}: 3269.9/57$

All: -342.976 ± 29.577 $\chi^2/\text{NDF}: 11307.0/117$

- sign -413.676 ± 40.701 $\chi^2/\text{NDF}: 8030.8/59$

asym_bpm0i07WS_rms vs Slug



Right In: 257.675+/-0.051 χ^2/NDF : 10151378.9/32

Left Out: 226.322+/-0.038 χ^2/NDF : 521041.8/24

Right Out: 248.287+/-0.046 χ^2/NDF : 9294733.7/36

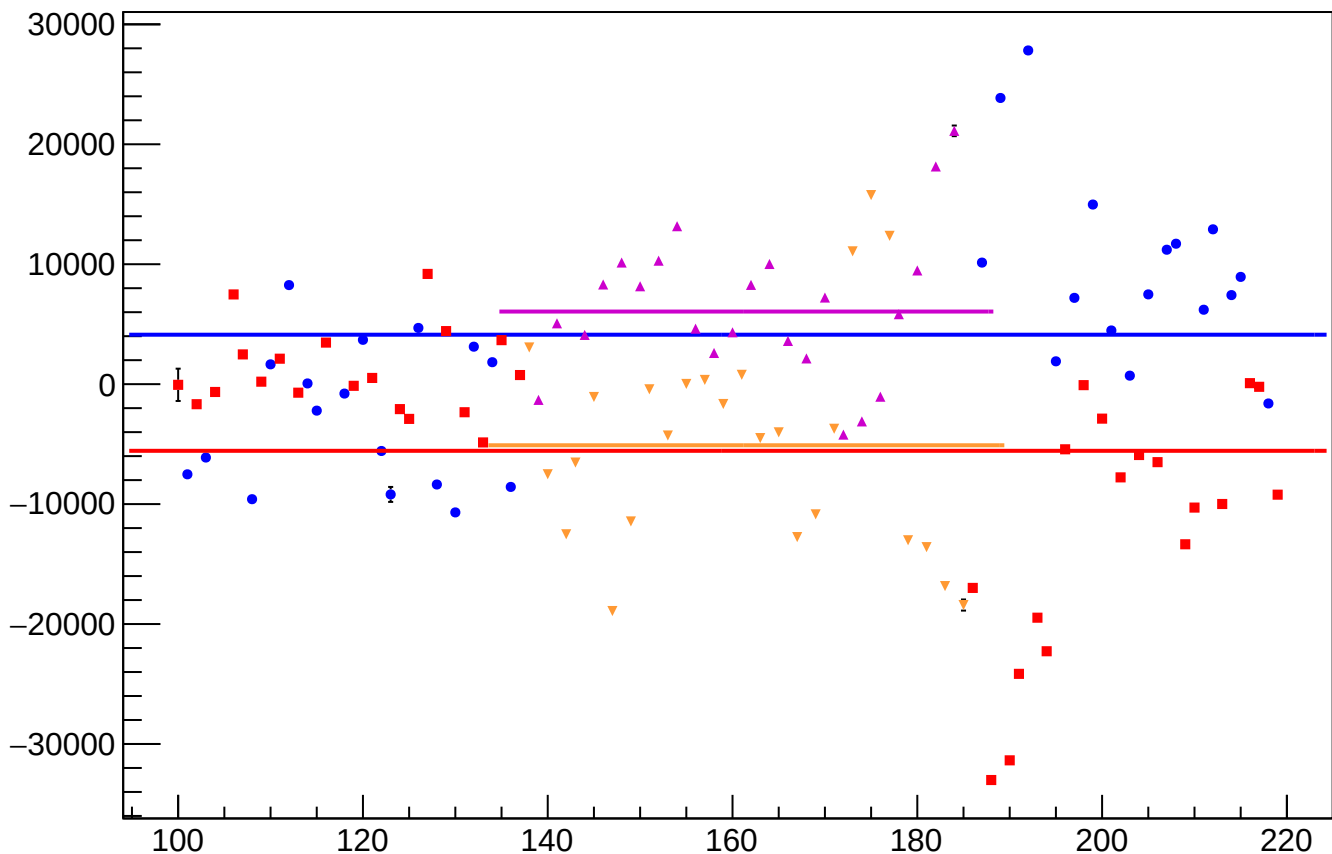
Left In: 211.970+/-0.037 χ^2/NDF : 584344.5/22

+ sign 237.411+/-0.030 χ^2/NDF : 10914857.7/57

All: 231.427+/-0.021 χ^2/NDF : 21245367.1/111

- sign 226.080+/-0.029 χ^2/NDF : 10257358.7/59

asym_bpm1i02WS_mean vs Slug



Right In: 4122.799+/-33.343 χ^2/NDF : 80792.0/32

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5557.266+/-31.715 χ^2/NDF : 105365.4/36

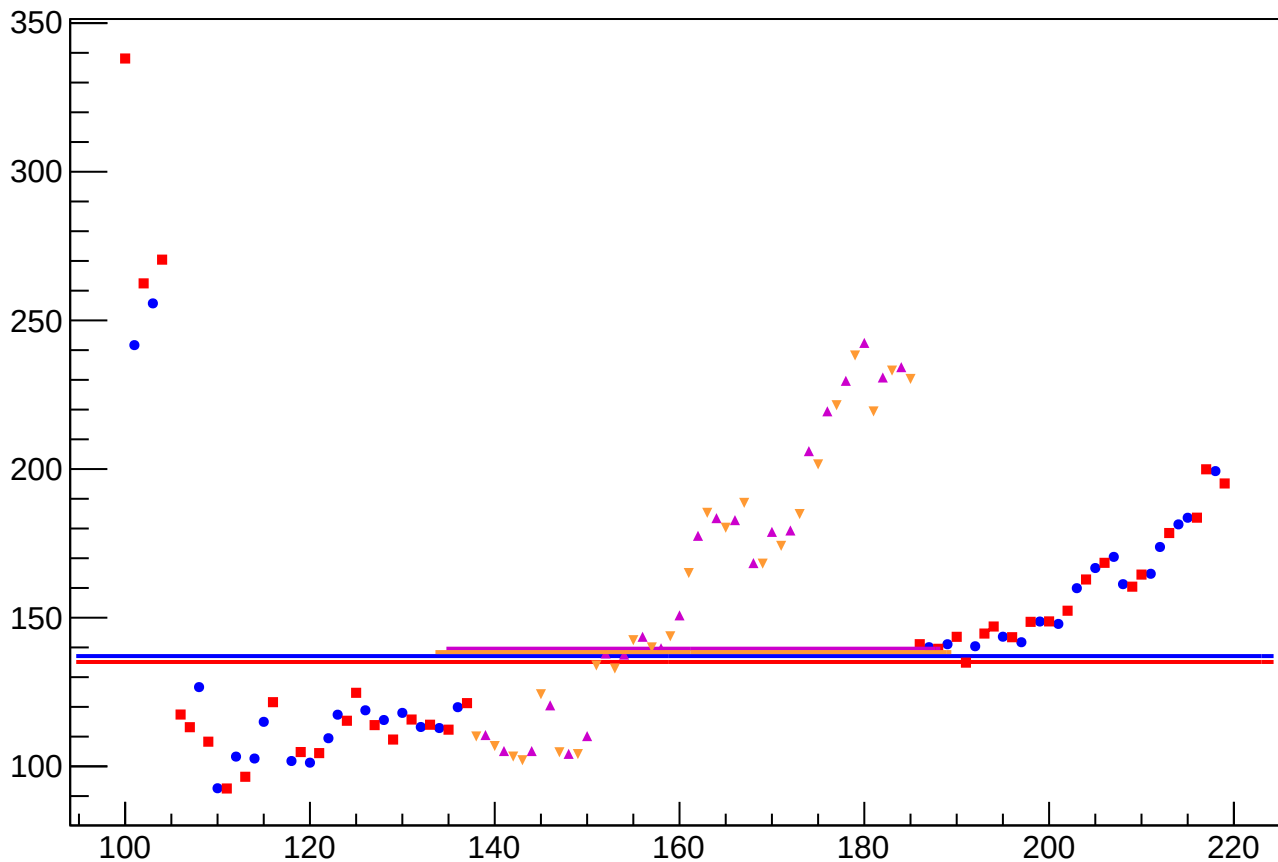
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -436.648+/-23.703 χ^2/NDF : 172992.7/57

All: -378.722+/-16.689 χ^2/NDF : 356394.0/11

- sign -321.779+/-23.501 χ^2/NDF : 183389.5/59

asym_bpm1i02WS_rms vs Slug



Right In: 137.090 $\pm$ 0.024 χ^2 /NDF: 1789469.3/32

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 135.104 $\pm$ 0.022 χ^2 /NDF: 2016763.8/36

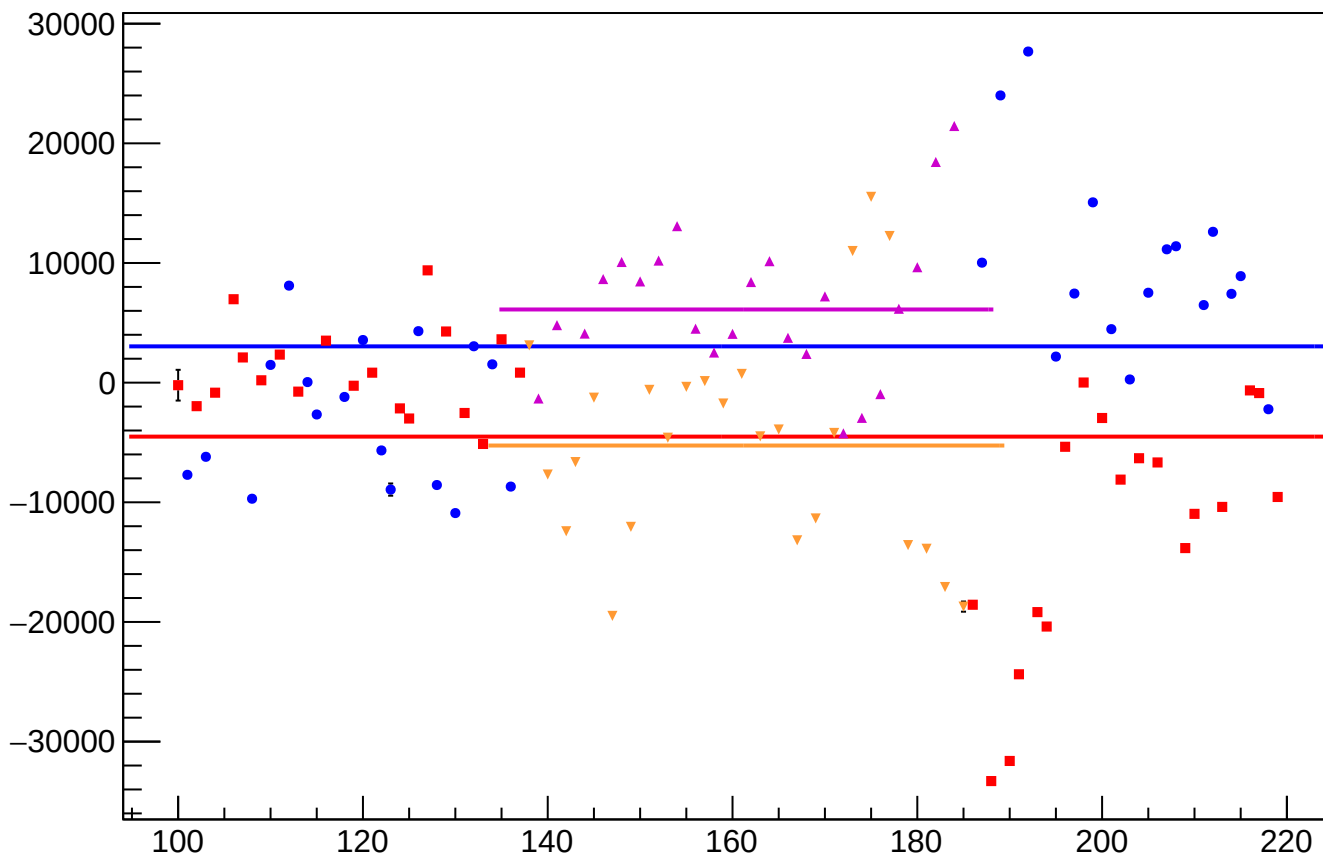
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 137.756 $\pm$ 0.017 χ^2 /NDF: 4340515.5/57

All: 137.436 $\pm$ 0.012 χ^2 /NDF: 8789603.9/117

- sign 137.121 $\pm$ 0.017 χ^2 /NDF: 4448365.8/59

asym_bpm1i04WS_mean vs Slug



Right In: 3032.053+/-29.970 χ^2/NDF : 91689.8/32

Left Out: -5255.652+/-30.622 χ^2/NDF : 64324.6/24

Right Out: -4510.865+/-28.609 χ^2/NDF : 114998.4/36

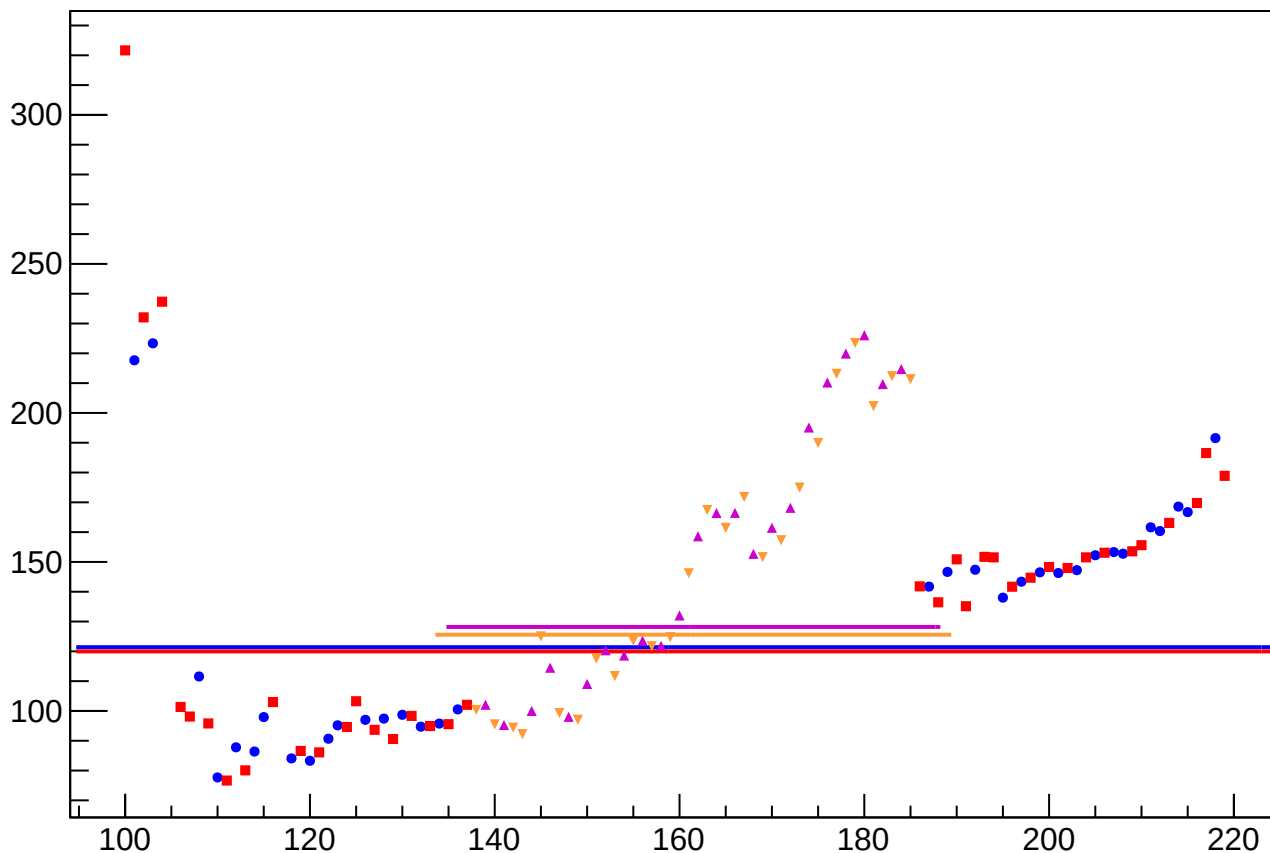
Left In: 6114.901+/-32.126 χ^2/NDF : 21260.9/22

+ sign -1022.583+/-21.419 χ^2/NDF : 193427.6/57

All: -415.340+/-15.126 χ^2/NDF : 392303.1/111

- sign 188.882+/-21.365 χ^2/NDF : 197272.0/59

asym_bpm1i04WS_rms vs Slug



Right In: 121.396+/-0.021 χ^2/NDF : 2660957.6/32

Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24

Right Out: 119.974+/-0.020 χ^2/NDF : 2985874.4/36

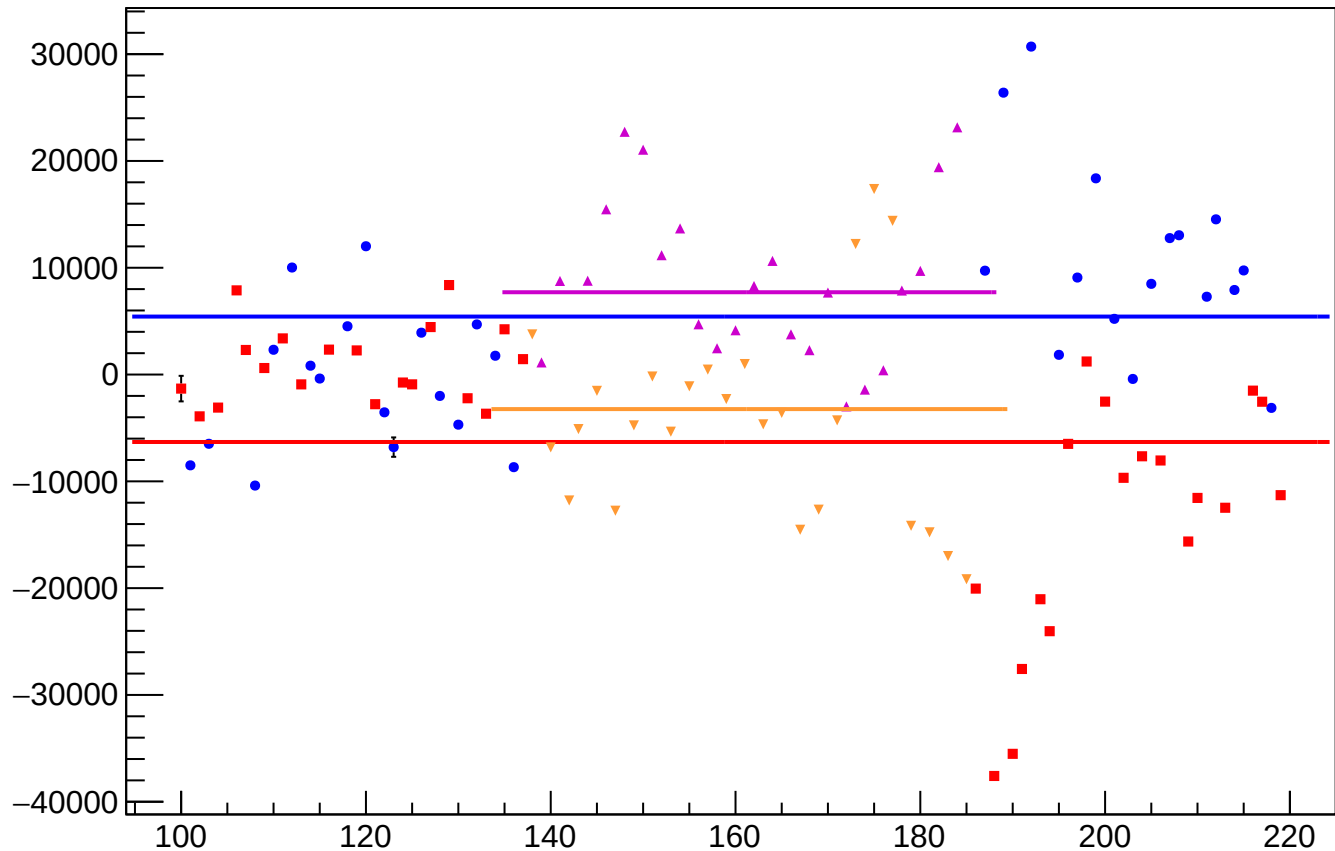
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 123.441+/-0.015 χ^2/NDF : 5275758.0/57

All: 123.523+/-0.011 χ^2/NDF : 10667516.9/11

- sign 123.605+/-0.015 χ^2/NDF : 5391700.6/59

asym_bpm1i06WS_mean vs Slug



Right In: 5428.865+/-39.546 χ^2/NDF : 63936.4/32

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: -6314.758+/-37.663 χ^2/NDF : 94346.0/36

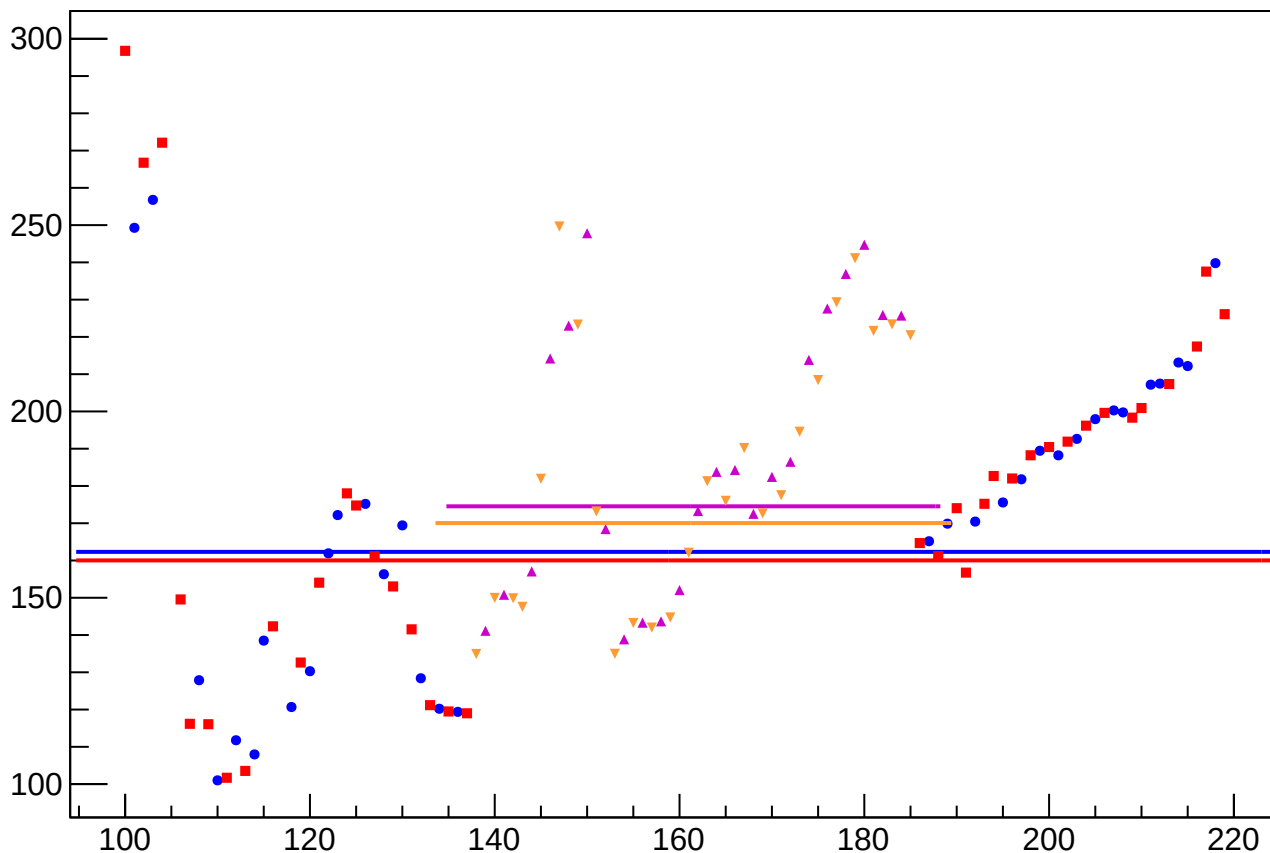
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign 1209.013+/-28.323 χ^2/NDF : 124053.6/57

All: 491.657+/-20.029 χ^2/NDF : 301139.7/117

- sign -226.006+/-28.329 χ^2/NDF : 175802.8/59

asym_bpm1i06WS_rms vs Slug



Right In: 162.315+/-0.028 χ^2/NDF : 2071223.9/32

Left Out: 170.050+/-0.029 χ^2/NDF :1240866.9/24

Right Out: 160.027+/-0.027 χ^2/NDF : 2307812.7/36

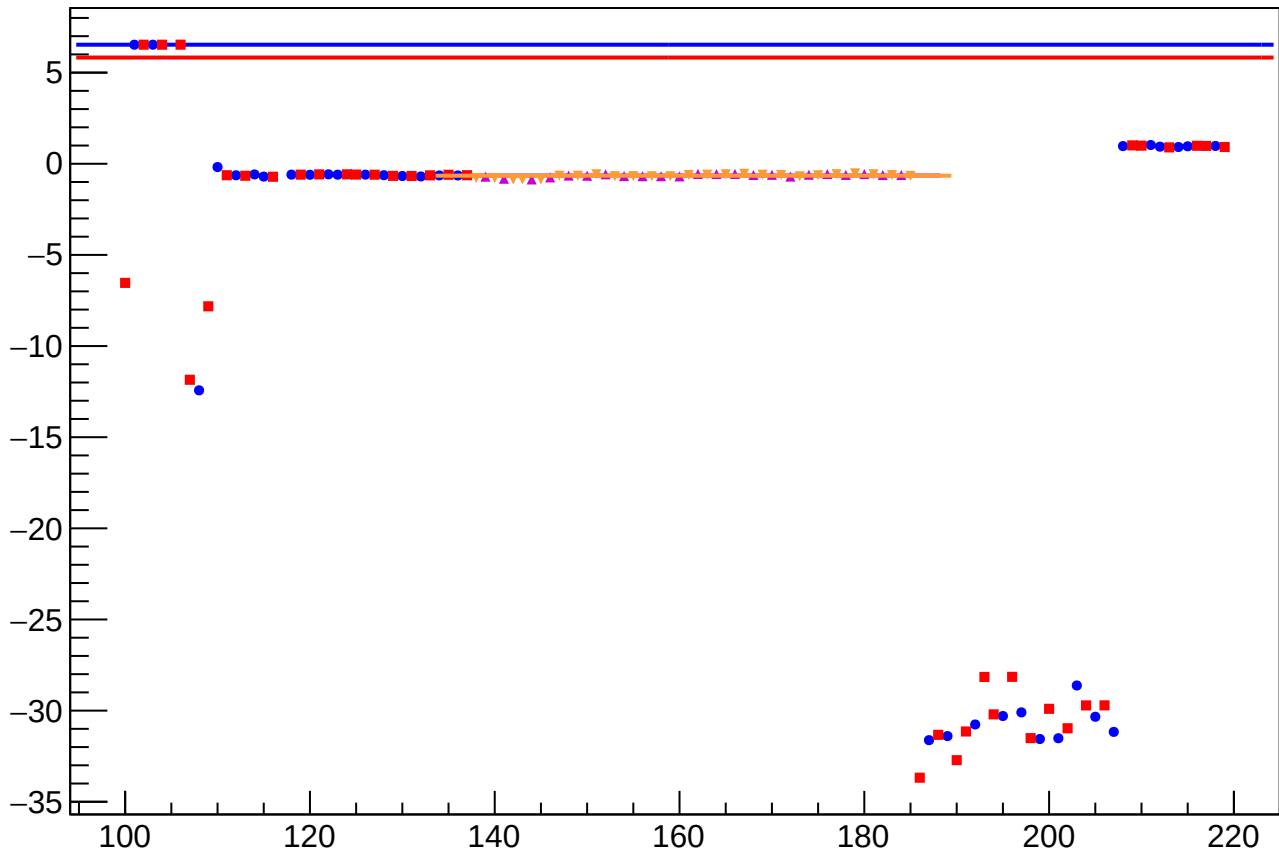
Left In: 174.539+/-0.030 χ^2/NDF :1210071.2/22

+ sign 166.082+/-0.020 χ^2/NDF : 3349356.3/57

All: 166.205+/-0.014 χ^2/NDF : 6996253.3/117

- sign 166.329+/-0.020 χ^2/NDF : 3646821.1/59

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 138682048180.6/32

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755956015700050.8/36

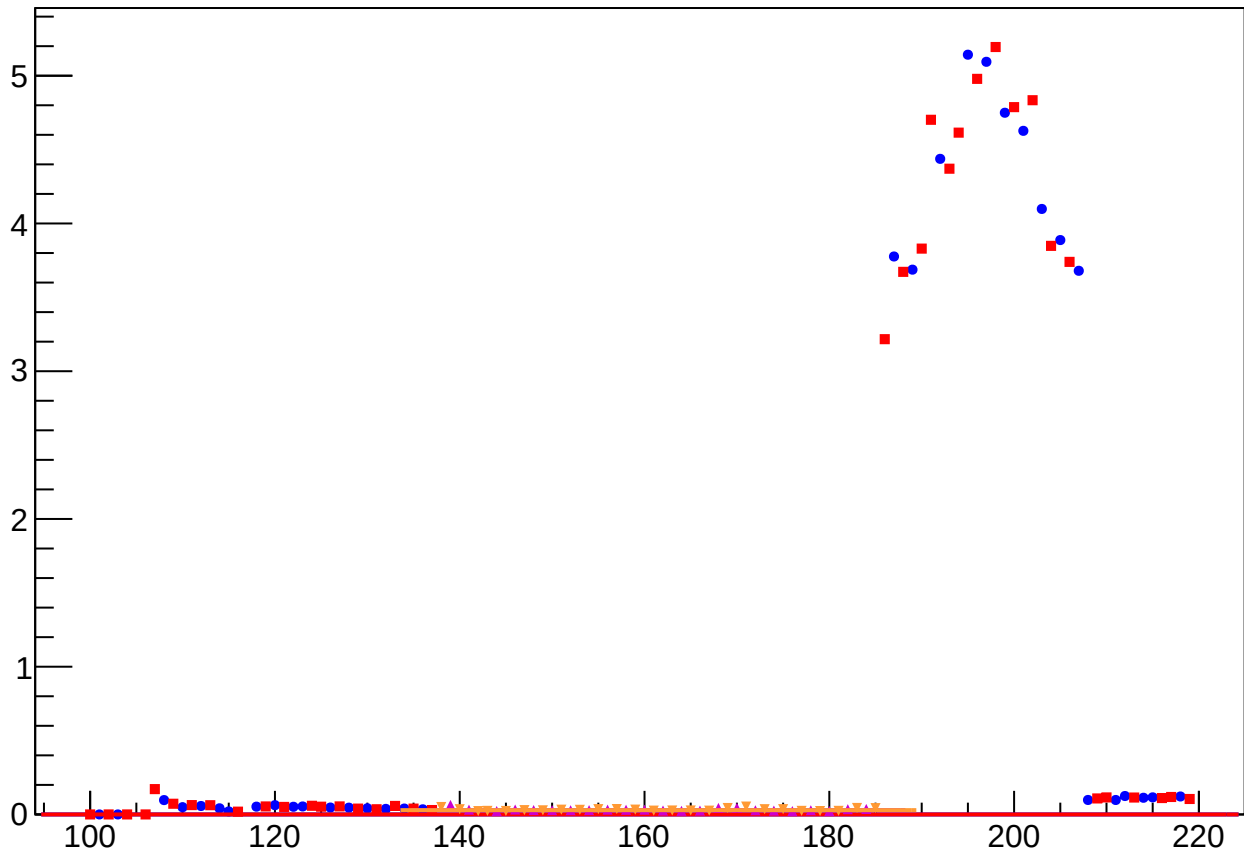
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1010065184277.5/57

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762096746876

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756627356303406.4/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 31385310.6/32

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 33479010.5/36

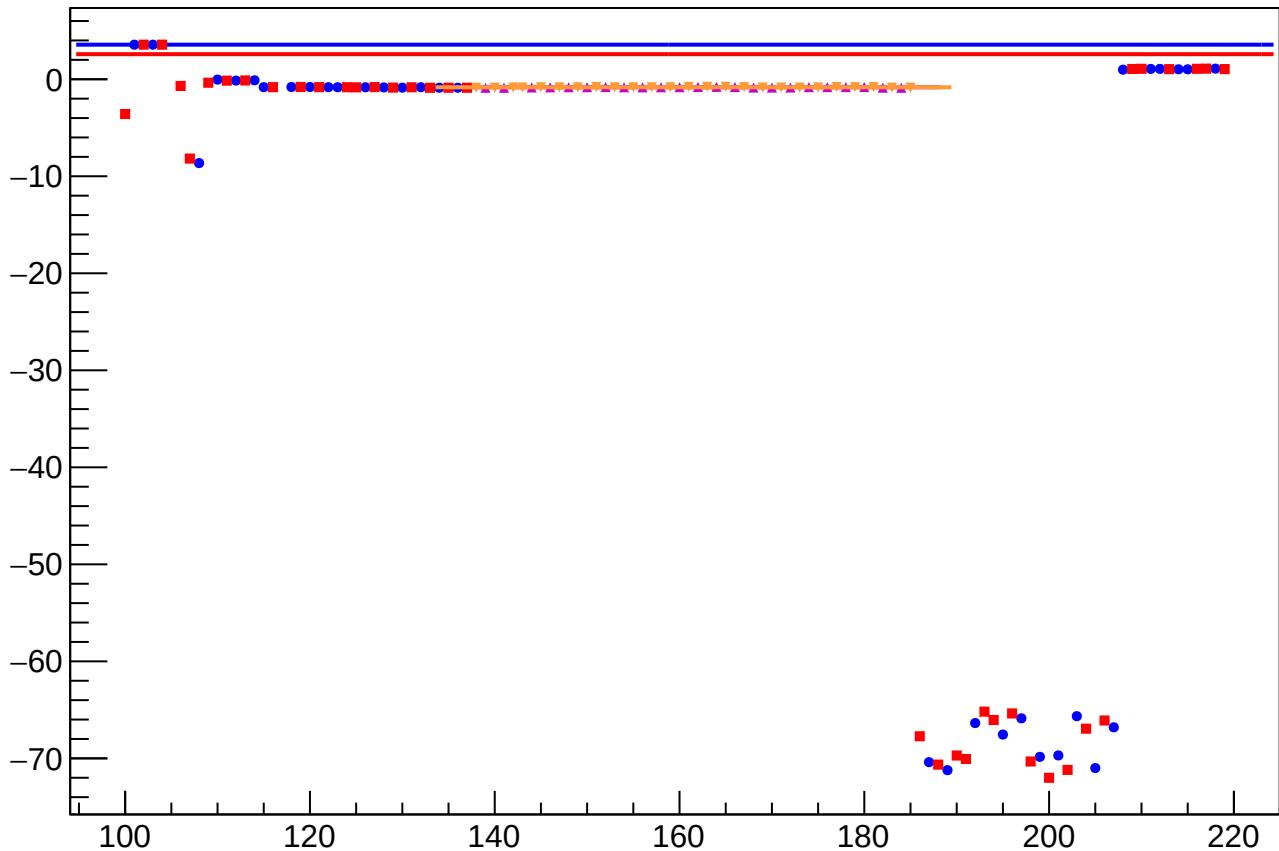
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 61255705.7/57

All: 0.000+/-0.000 χ^2/NDF : 122700293.9/117

- sign 0.000+/-0.000 χ^2/NDF : 61443874.3/59

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 586890710496.4/32

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

+ sign 3.560+/-0.000 χ^2/NDF : 4268844832195.0/57

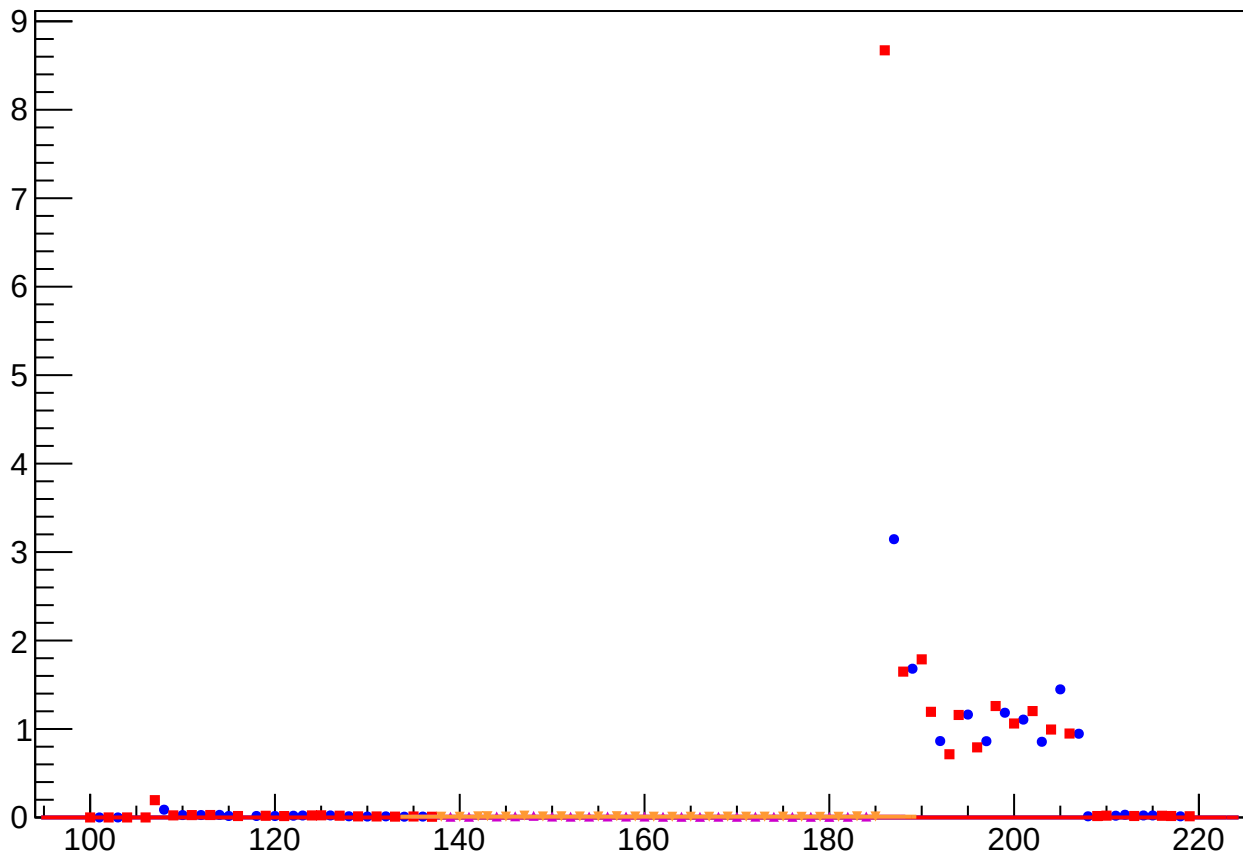
Right Out: 2.583+/-0.000 χ^2/NDF : 1253568542000589.8/36

All: 3.038+/-0.000 χ^2/NDF : 13881087246493

- sign 2.581+/-0.000 χ^2/NDF : 1255768490709192.5

Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 28592581.5/32

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 31060939.3/36

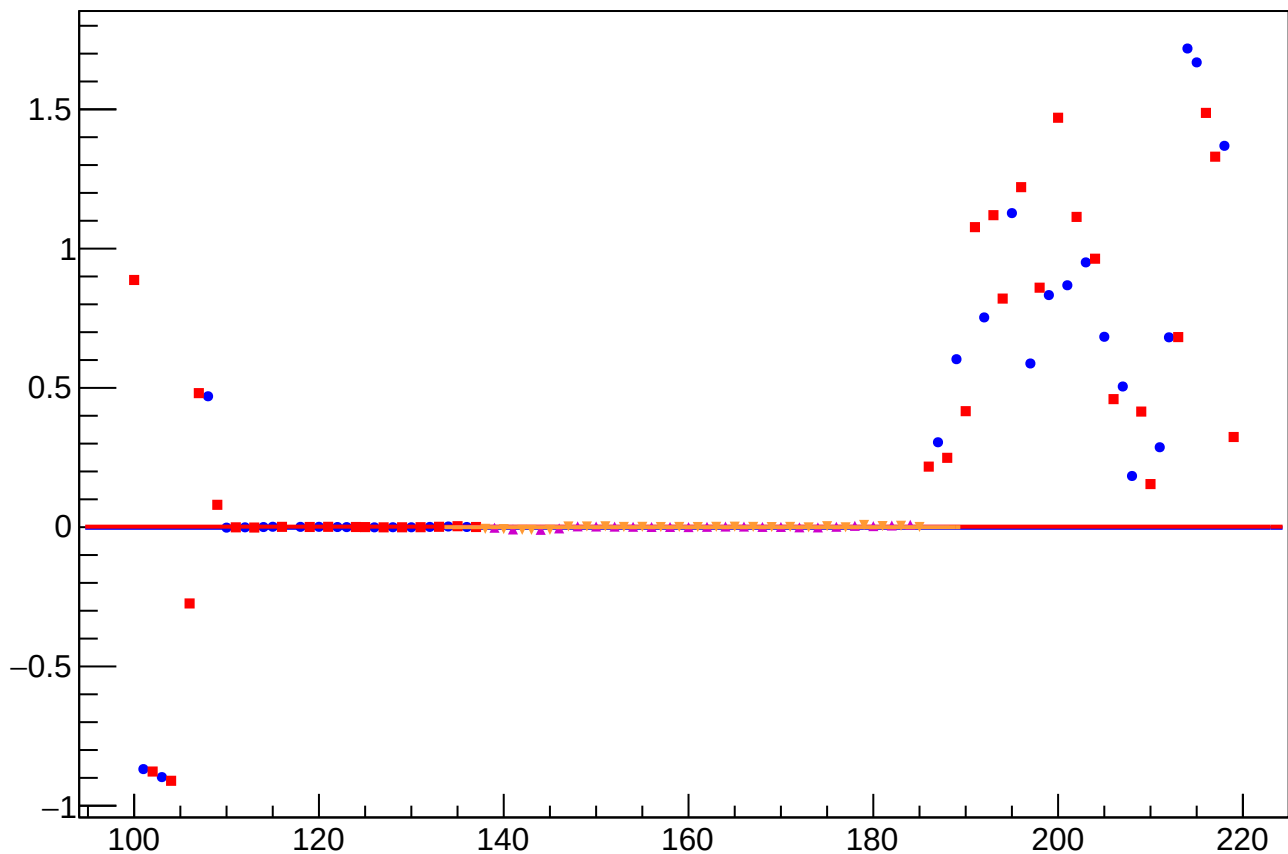
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 59995975.5/57

All: 0.000+/-0.000 χ^2/NDF : 120597877.8/117

- sign 0.000+/-0.000 χ^2/NDF : 60600840.1/59

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9798024172.8/32$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 151482851.1/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3044234546.8/36$

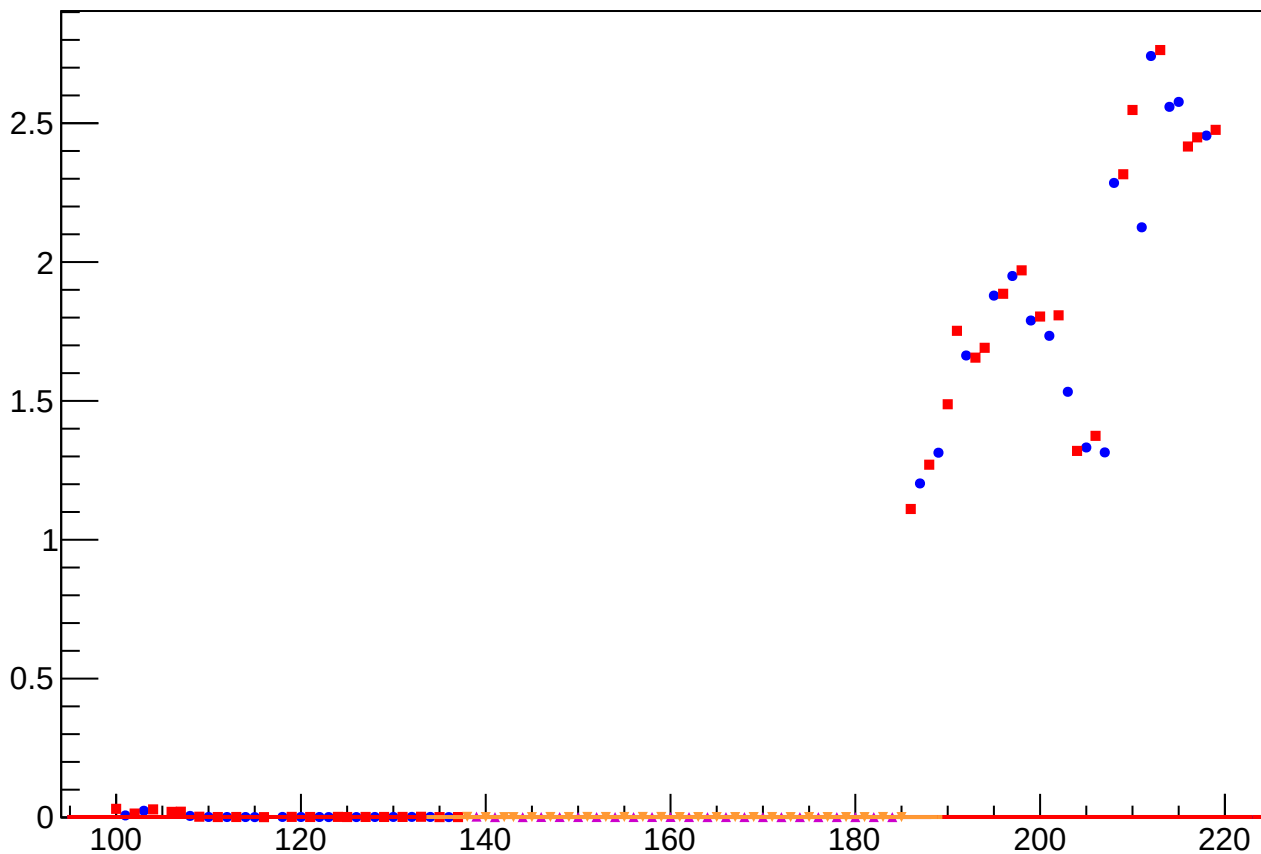
Left In: 0.001 ± 0.000 $\chi^2/\text{NDF}: 101439617.3/22$

+ sign -0.001 ± 0.000 $\chi^2/\text{NDF}: 9956036272.3/57$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13111261156.2/100$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 3147643691.5/59$

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 24267669.8/32

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:539817.3/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 27127696.3/36

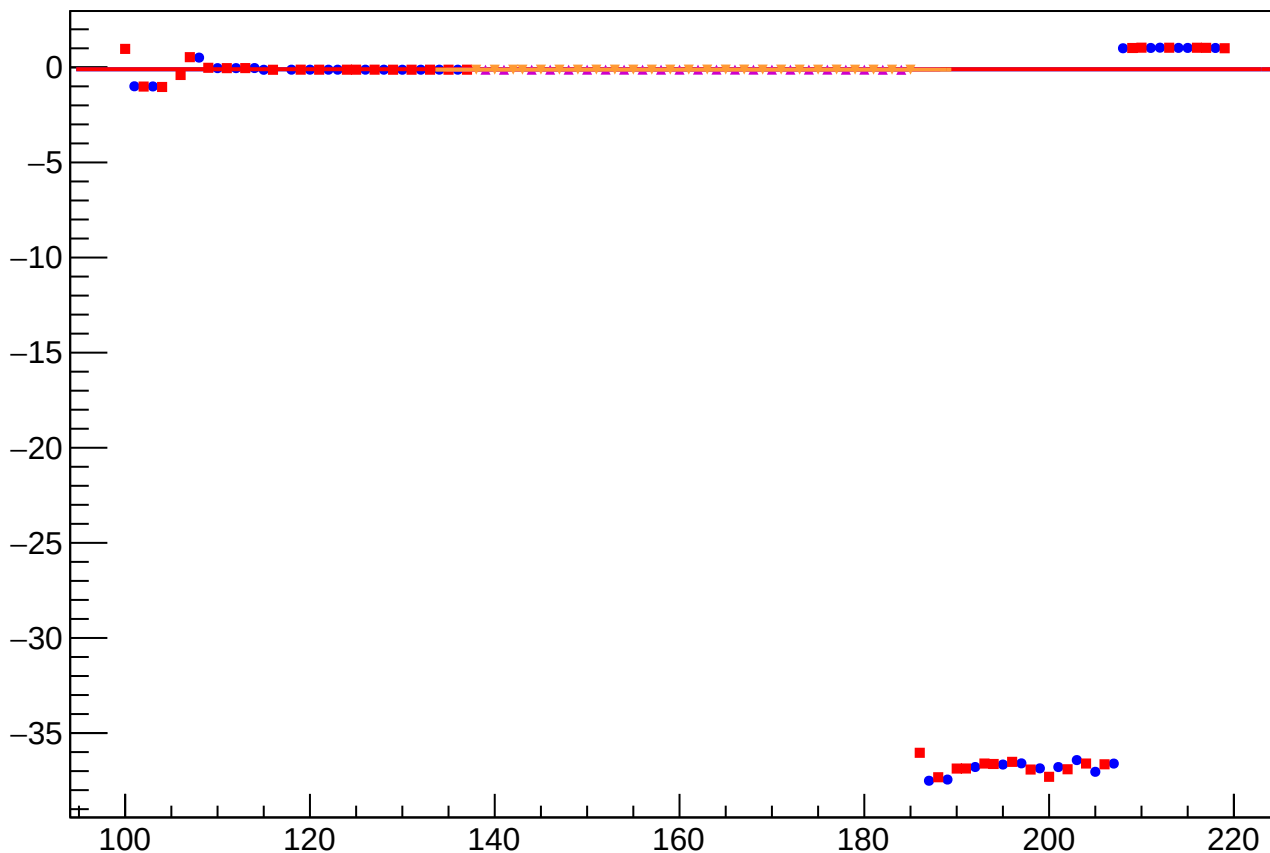
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:626044.8/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 24880864.8/57

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 52755294.0/117

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 27865462.1/59

yield_cav4cY_mean vs Slug



Right In: -0.104 ± 0.000 $\chi^2/\text{NDF}: 102054775901.4/32$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58120109.3/24$

Right Out: -0.099 ± 0.000 $\chi^2/\text{NDF}: 106352518452.6/36$

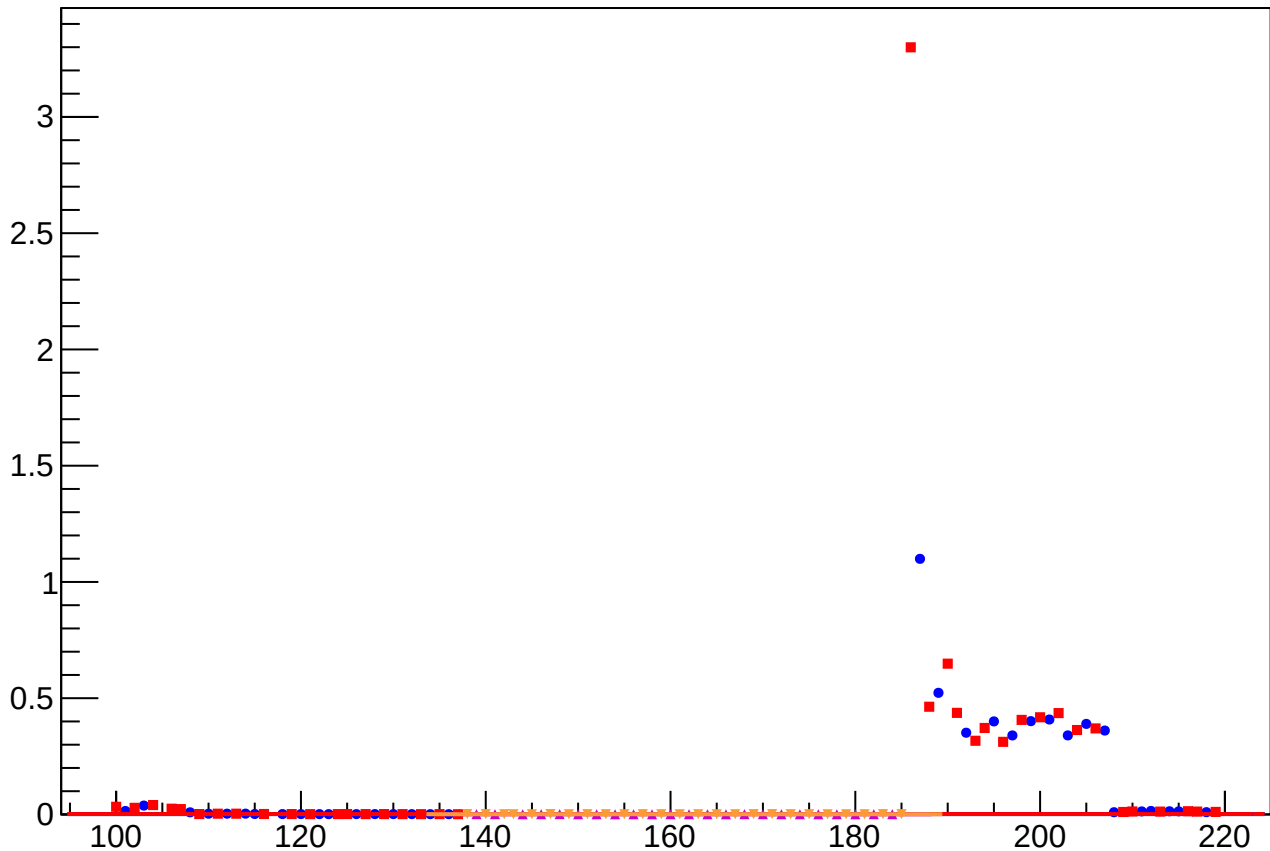
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 52113932.9/22$

+ sign -0.119 ± 0.000 $\chi^2/\text{NDF}: 102599834667.3/57$

All: -0.119 ± 0.000 $\chi^2/\text{NDF}: 209857924959.8$

- sign -0.119 ± 0.000 $\chi^2/\text{NDF}: 107251396228.6/59$

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 22302551.0/32

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1363316.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 24862143.0/36

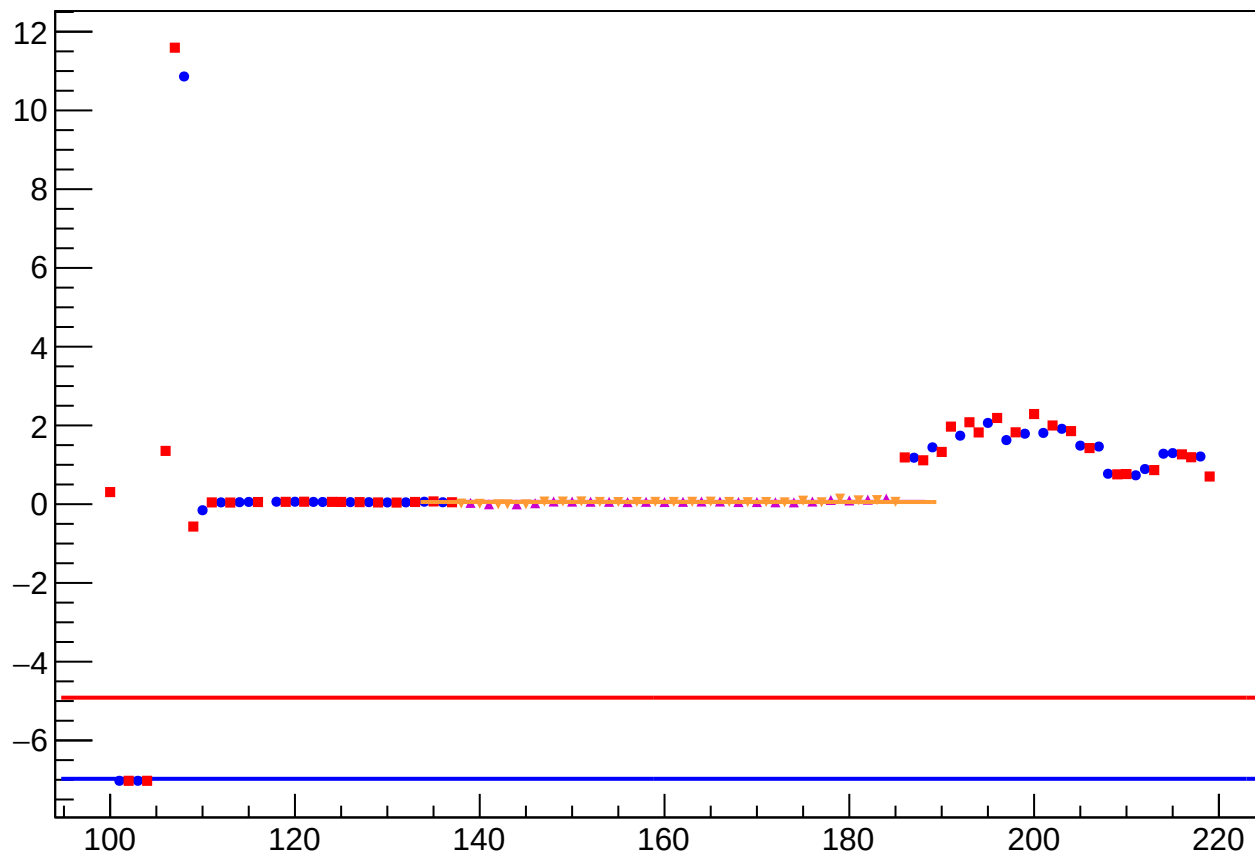
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:970801.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 25606092.6/57

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 53330172.1/117

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 27721454.6/59

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8798057409850.7/32

Left Out: 0.055 ± 0.000 χ^2/NDF : 243682351.4/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365353061829329.8/36

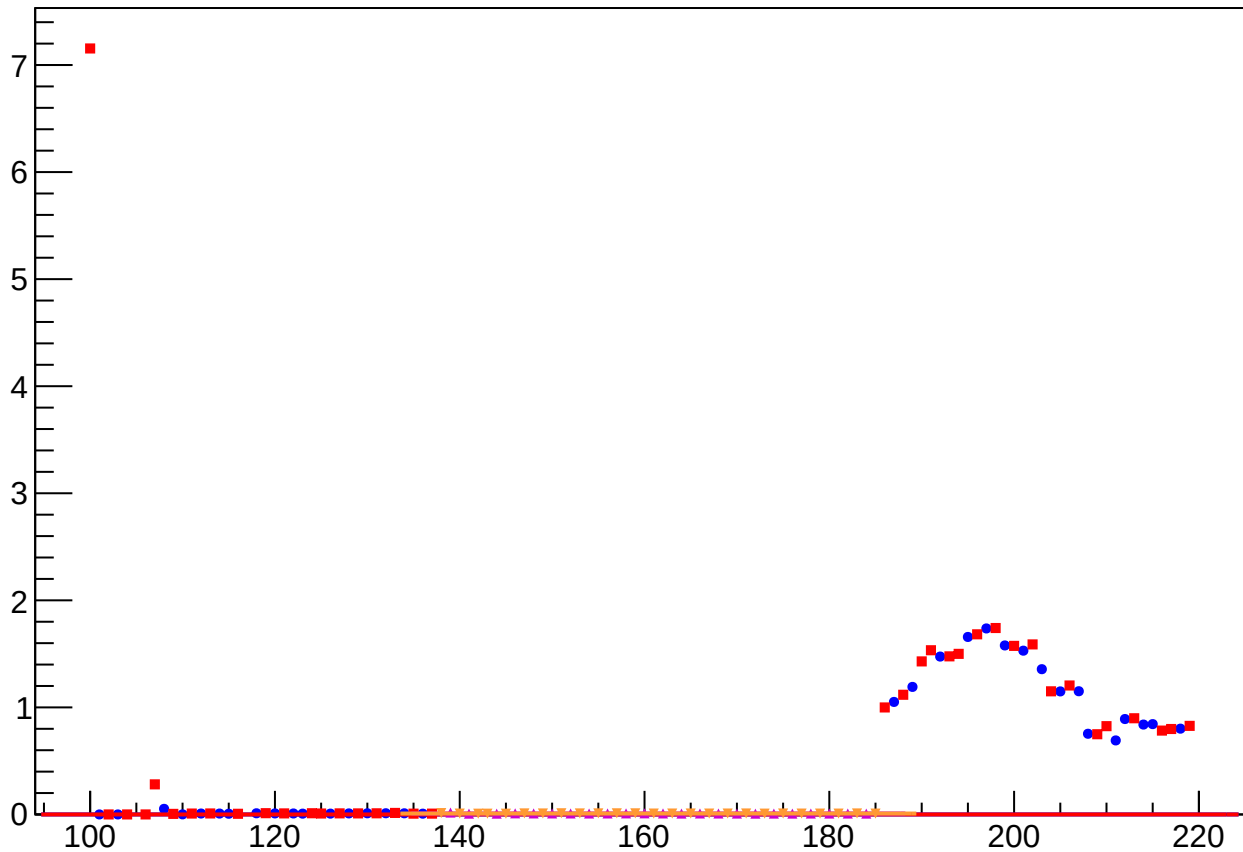
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18424363595096.4/32

All: -5.858 ± 0.000 χ^2/NDF : 4435296226694.0/32

- sign -4.882 ± 0.000 χ^2/NDF : 369732079068615.7/32

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 30720869.7/32

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 32919688.9/36

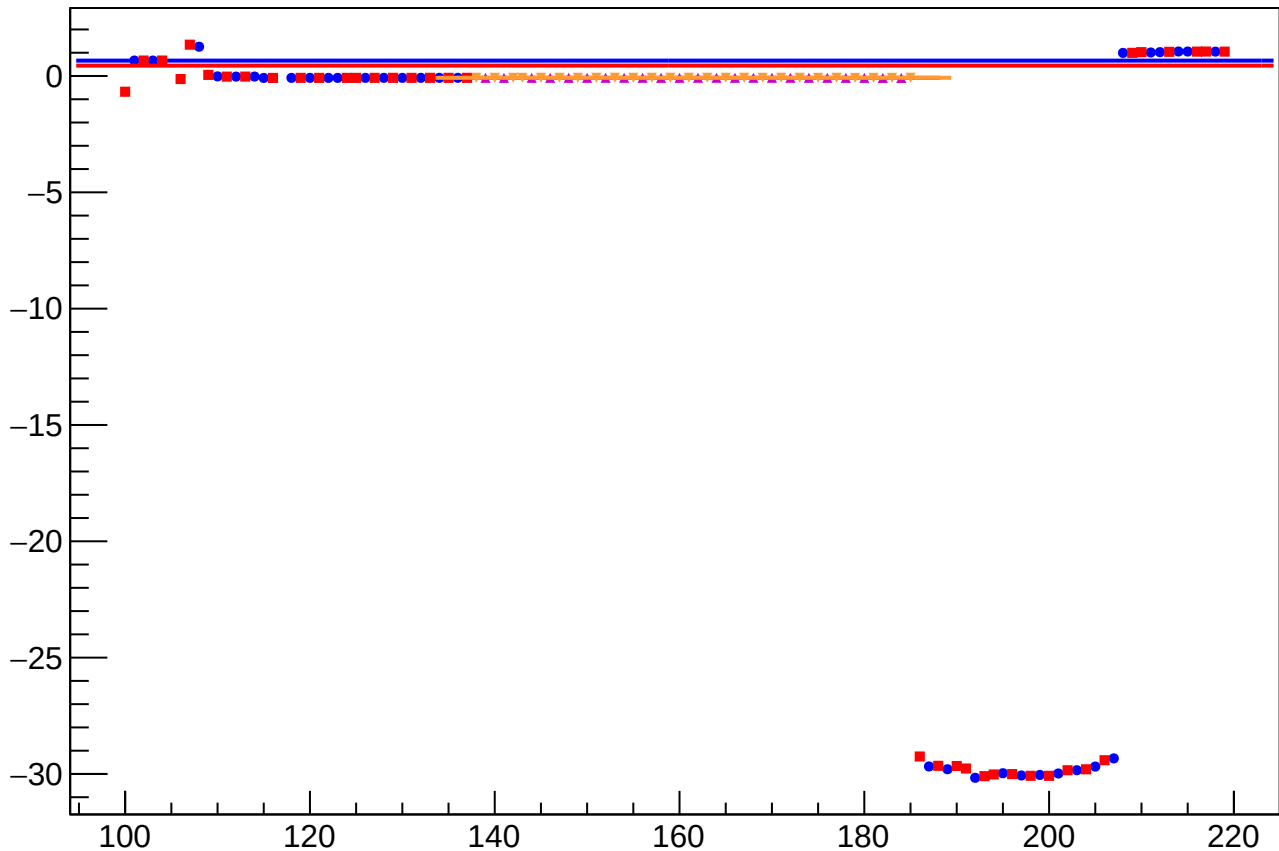
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 59621127.4/57

All: 0.000+/-0.000 χ^2/NDF : 120000186.5/117

- sign 0.000+/-0.000 χ^2/NDF : 60374228.9/59

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5722771761786.8/32

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156404795.7/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405498407383097.8/36

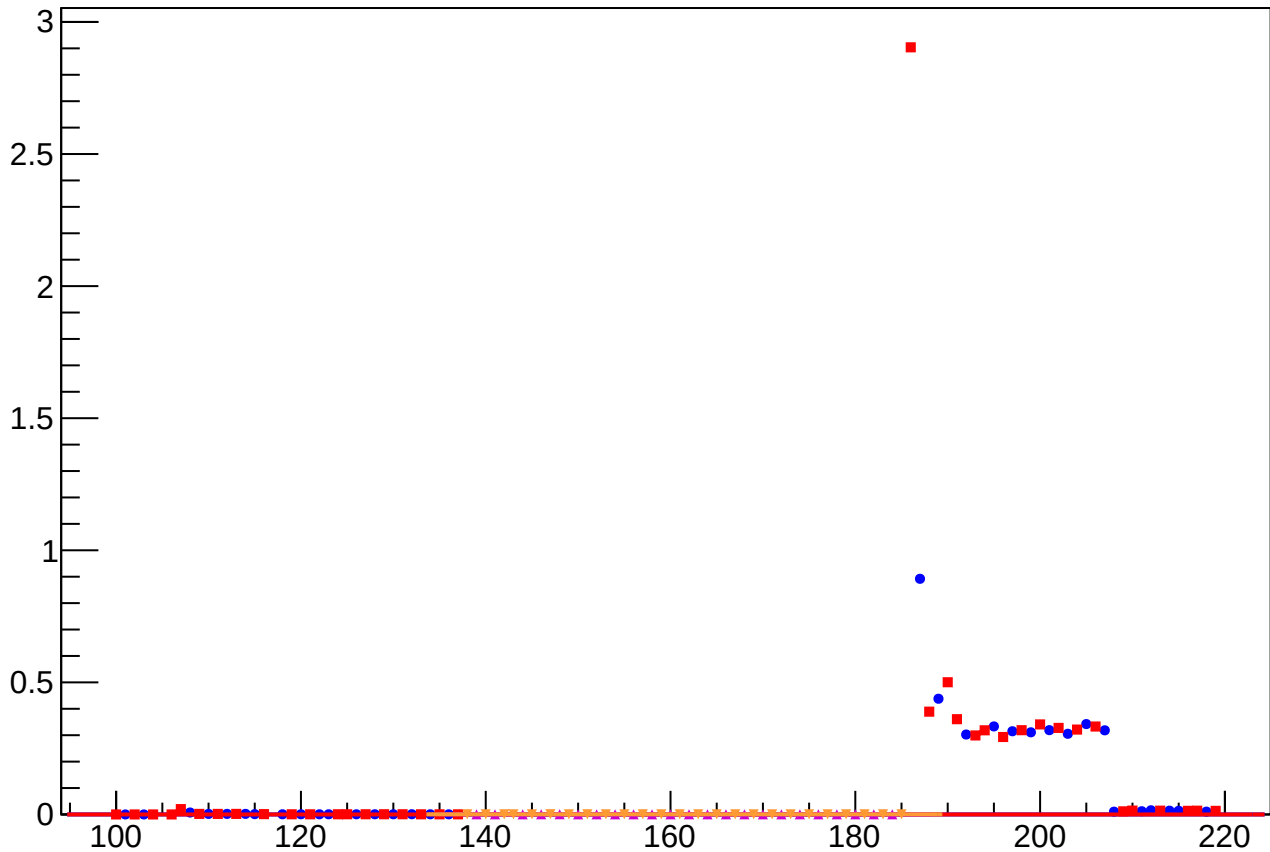
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 110762924.1/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35821845247039.9/5

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 5159793856056

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419620684498655.3/5

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 31936366.9/32

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 33424073.6/36

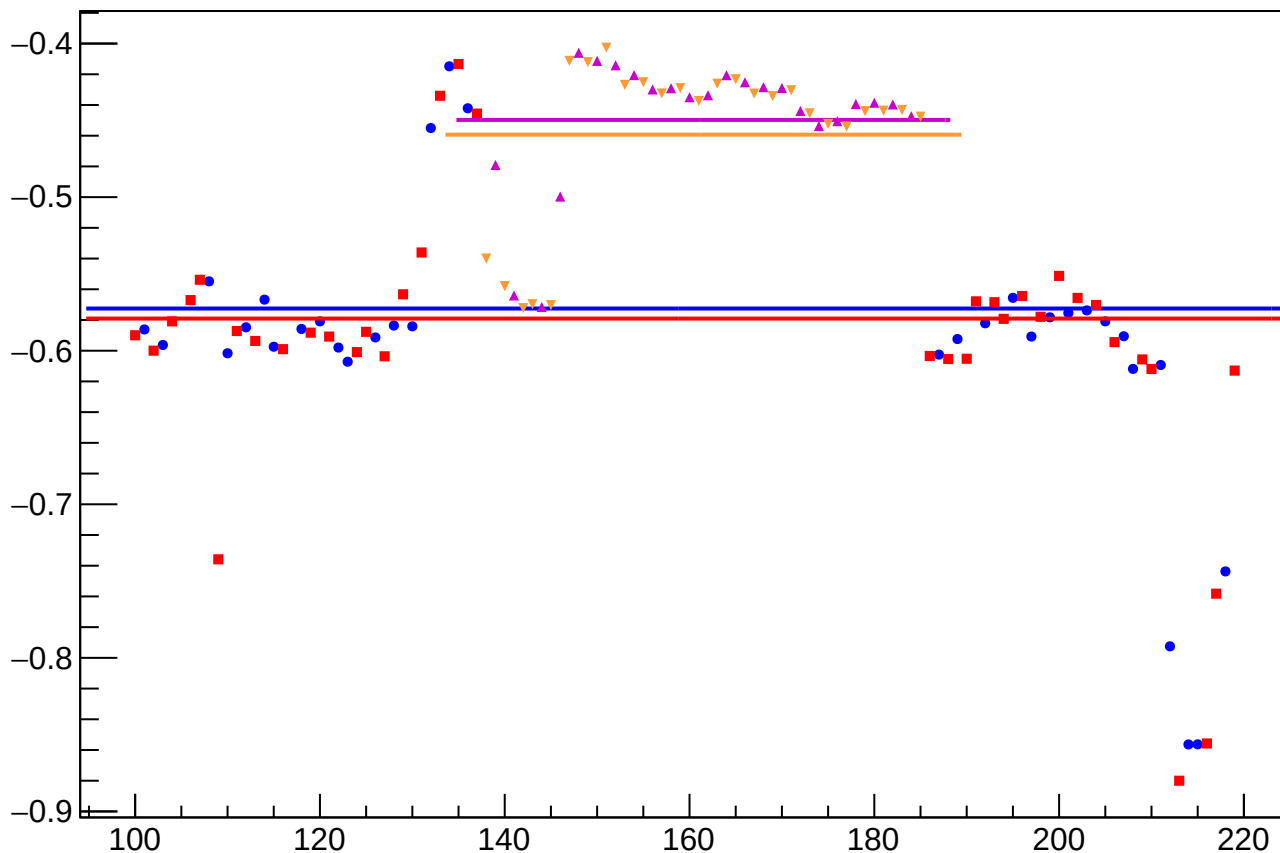
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 64474769.7/57

All: 0.000+/-0.000 χ^2/NDF : 128687167.4/117

- sign 0.000+/-0.000 χ^2/NDF : 64204431.0/59

yield_bpm4aX_mean vs Slug



Right In: -0.573 ± 0.000 $\chi^2/\text{NDF}: 114473760.8/32$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 113602161.0/24$

Right Out: -0.579 ± 0.000 $\chi^2/\text{NDF}: 120116739.0/36$

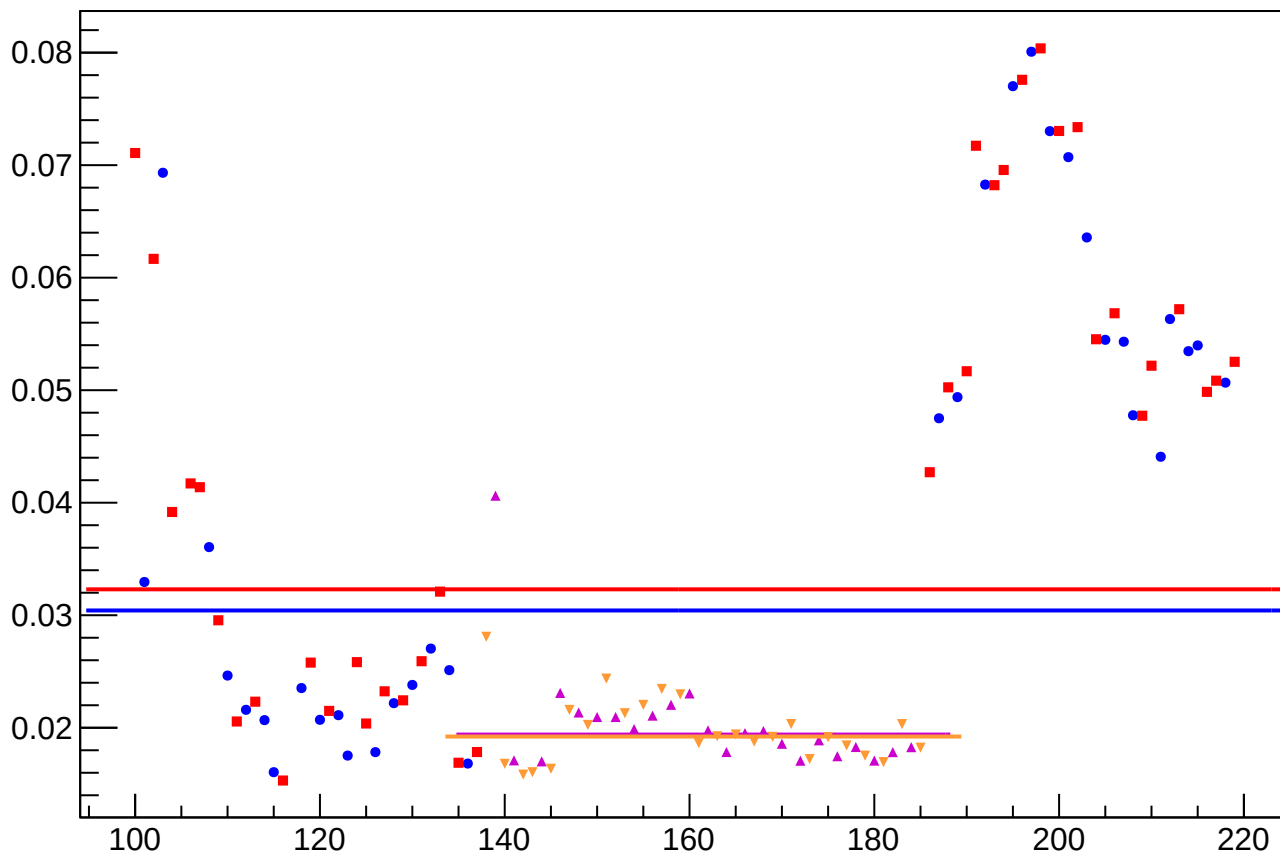
Left In: -0.450 ± 0.000 $\chi^2/\text{NDF}: 76117957.8/22$

+ sign -0.488 ± 0.000 $\chi^2/\text{NDF}: 360538243.3/57$

All: -0.486 ± 0.000 $\chi^2/\text{NDF}: 722592927.0/11$

- sign -0.484 ± 0.000 $\chi^2/\text{NDF}: 361582118.0/59$

yield_bpm4aX_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 7788090.8/32

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 501711.6/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 7821173.0/36

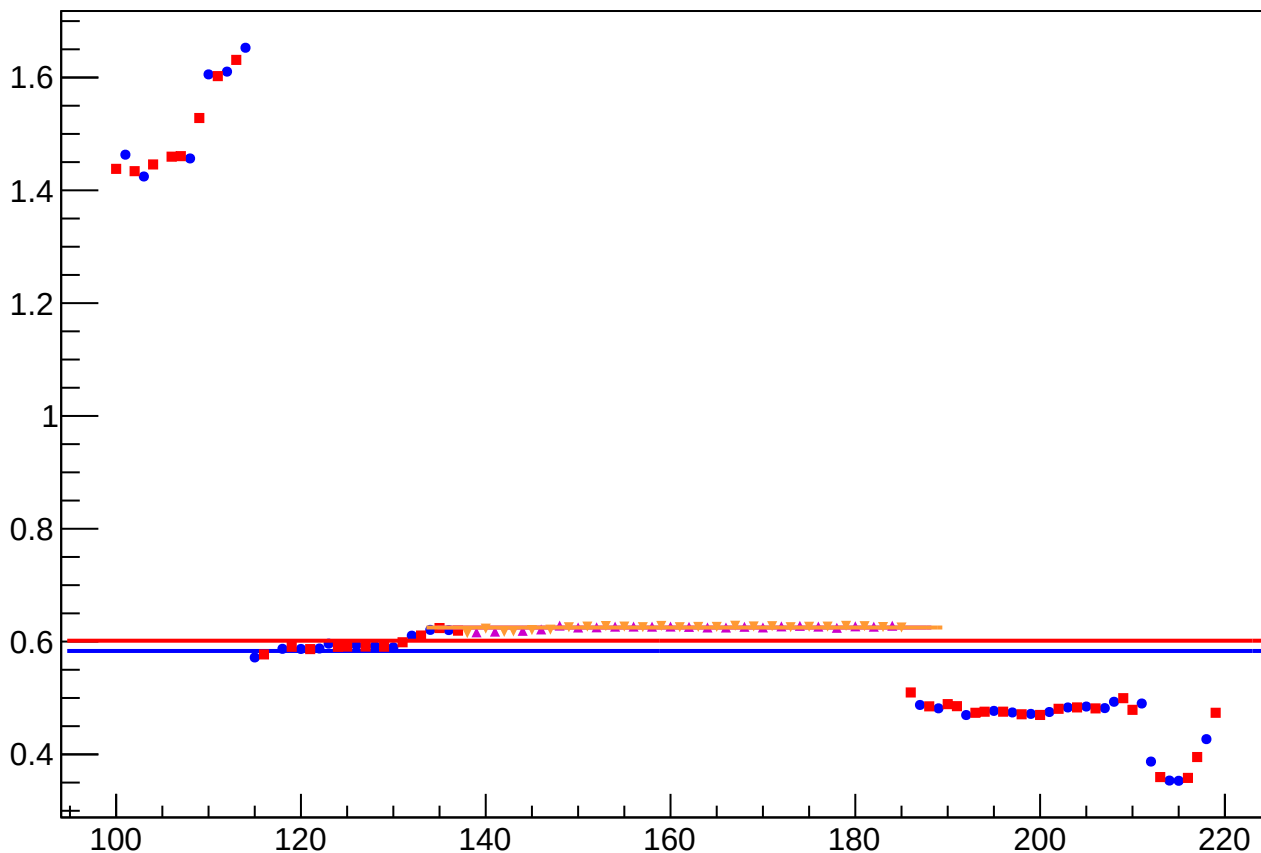
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 626443.5/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10884041.4/57

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 22652941.8/117

- sign 0.023 $\pm$ 0.000 χ^2 /NDF: 11740929.4/59

yield_bpm4aY_mean vs Slug



Right In: 0.583 $\pm$ 0.000 χ^2 /NDF: 5586823035.9/32

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.602 $\pm$ 0.000 χ^2 /NDF: 6625391227.3/36

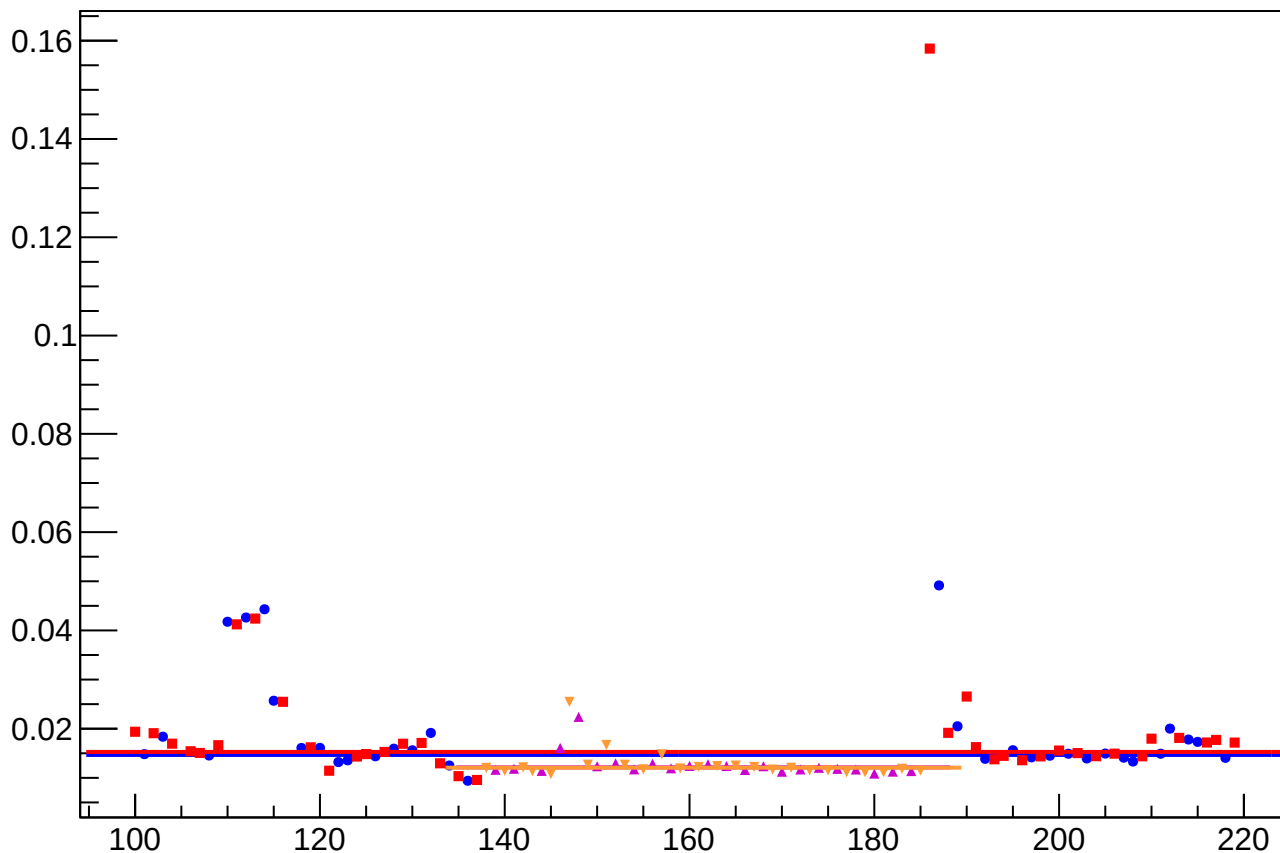
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.609 $\pm$ 0.000 χ^2 /NDF: 5669236217.6/57

All: 0.612 $\pm$ 0.000 χ^2 /NDF: 12324600687.9/1

- sign 0.616 $\pm$ 0.000 χ^2 /NDF: 6650989595.0/59

yield_bpm4aY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1845486.2/32

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2234188.2/36

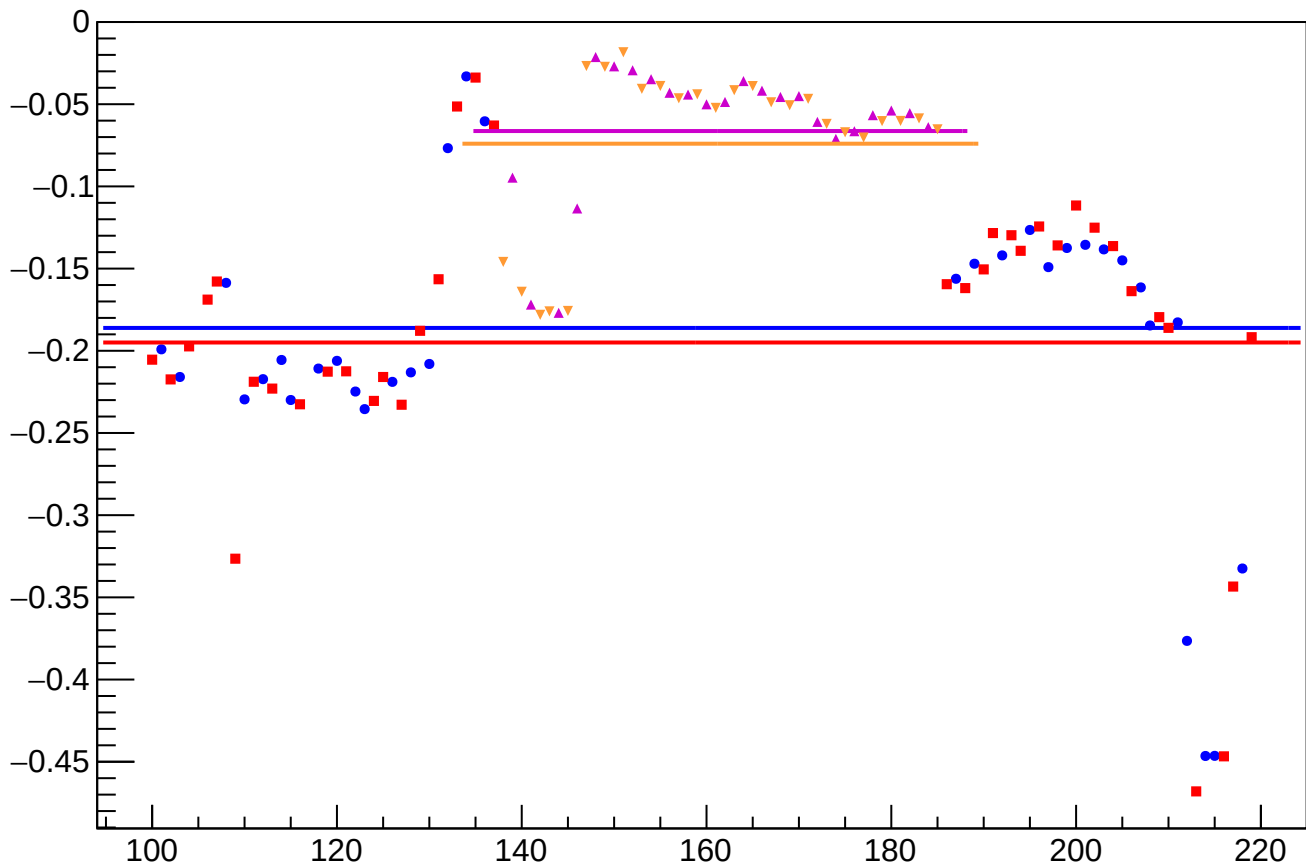
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3133886.2/57

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6765924.6/117

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3613387.2/59

yield_bpm4eX_mean vs Slug



Right In: -0.186+/-0.000 χ^2/NDF : 127699386.1/32

Left Out: -0.074+/-0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.195+/-0.000 χ^2/NDF : 134432015.8/36

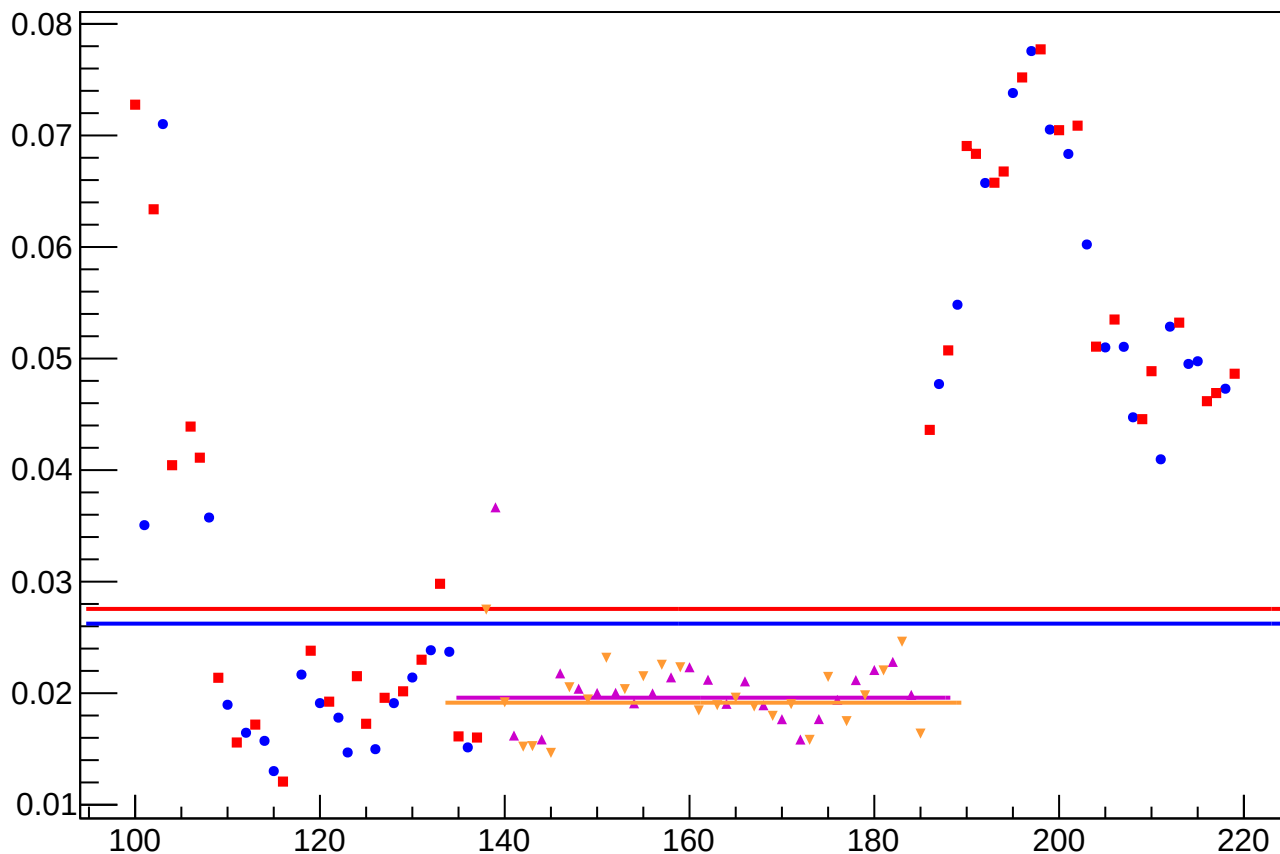
Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

+ sign -0.108+/-0.000 χ^2/NDF : 391133850.2/57

All: -0.108+/-0.000 χ^2/NDF : 797603766.5/11

- sign -0.107+/-0.000 χ^2/NDF : 406462760.3/59

yield_bpm4eX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 9130494.8/32

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641277.0/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9581688.9/36

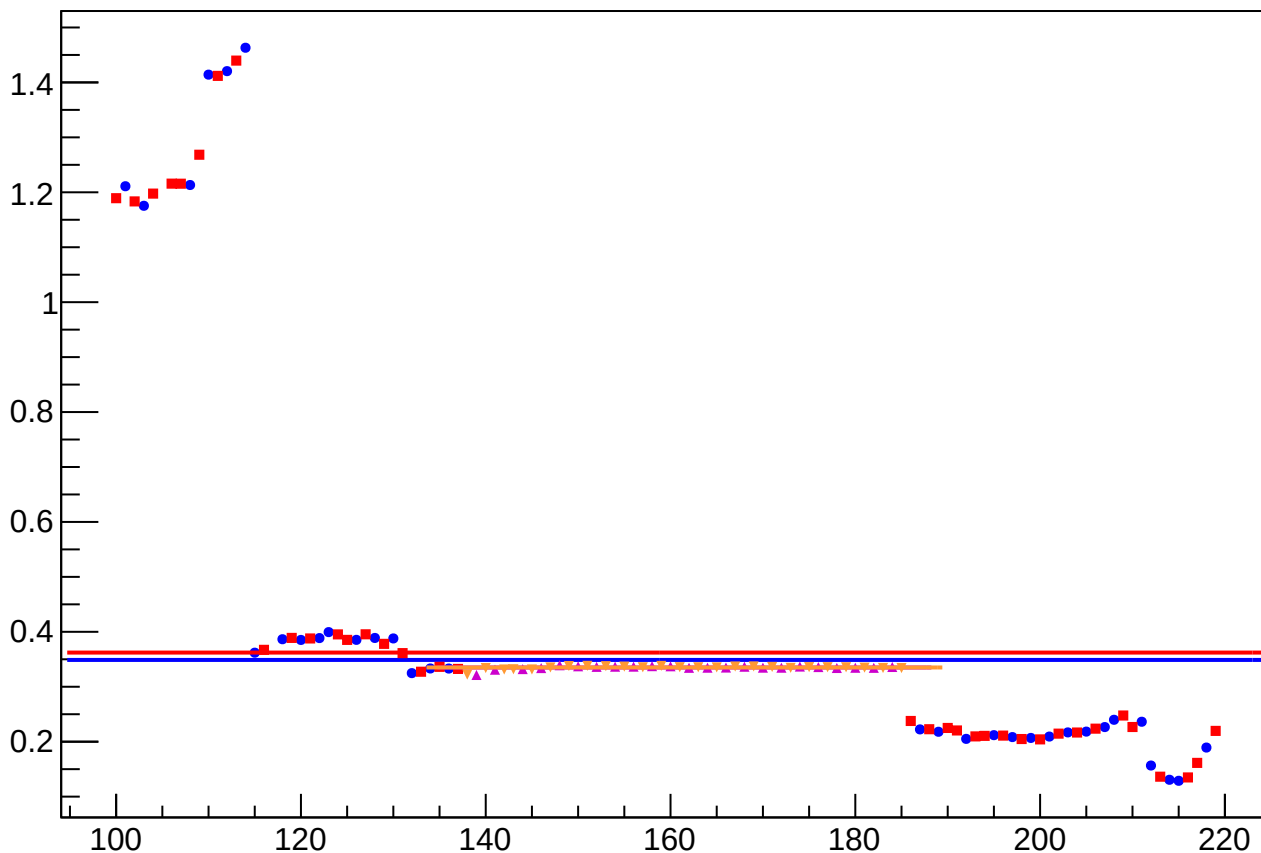
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:623148.2/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 11017297.4/57

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 22761828.7/117

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11703919.4/59

yield_bpm4eY_mean vs Slug



Right In: 0.349 $\pm$ 0.000 χ^2 /NDF: 8045769490.3/32

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1154310.3/24

Right Out: 0.362 $\pm$ 0.000 χ^2 /NDF: 9132859124.2/36

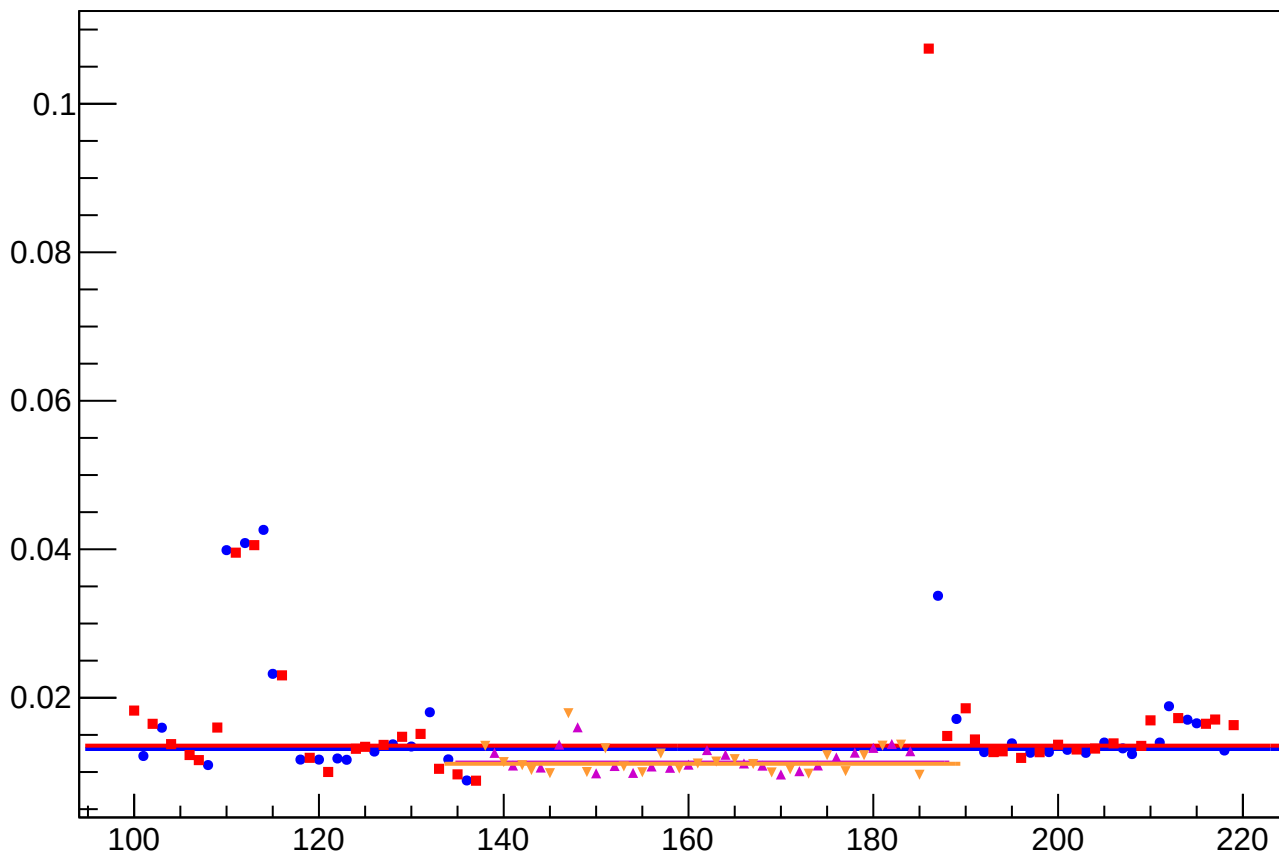
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1202194.8/22

+ sign 0.341 $\pm$ 0.000 χ^2 /NDF: 8057649066.2/57

All: 0.343 $\pm$ 0.000 χ^2 /NDF: 17236114854.0/1

- sign 0.346 $\pm$ 0.000 χ^2 /NDF: 9174516444.8/59

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1827546.3/32

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 607532.0/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2259849.5/36

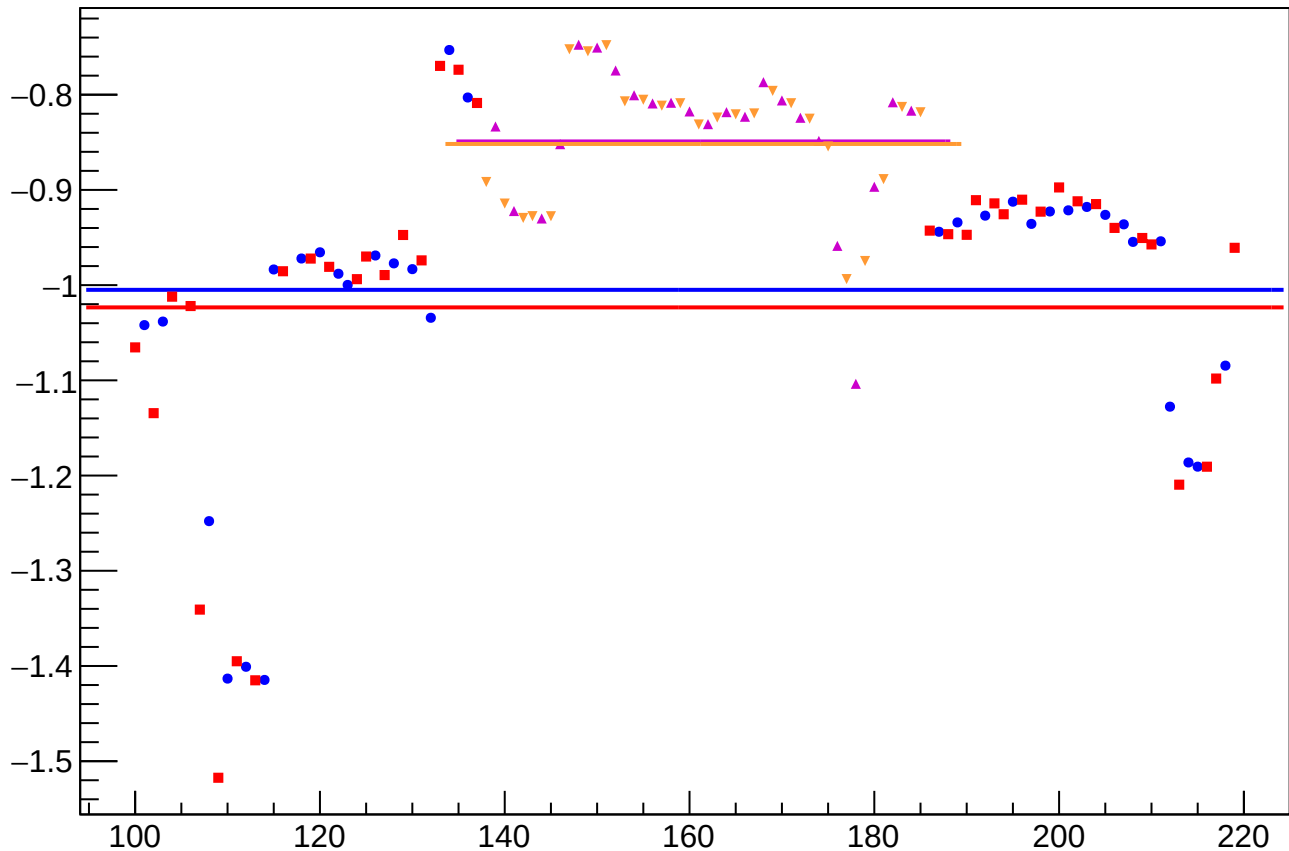
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 502455.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2886756.3/57

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 6240669.3/117

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3330535.0/59

yield_bpm4acX_mean vs Slug



Right In: -1.005 ± 0.000 $\chi^2/\text{NDF}: 429220680.3/32$

Left Out: -0.852 ± 0.000 $\chi^2/\text{NDF}: 189103962.4/24$

Right Out: -1.023 ± 0.000 $\chi^2/\text{NDF}: 579307531.4/36$

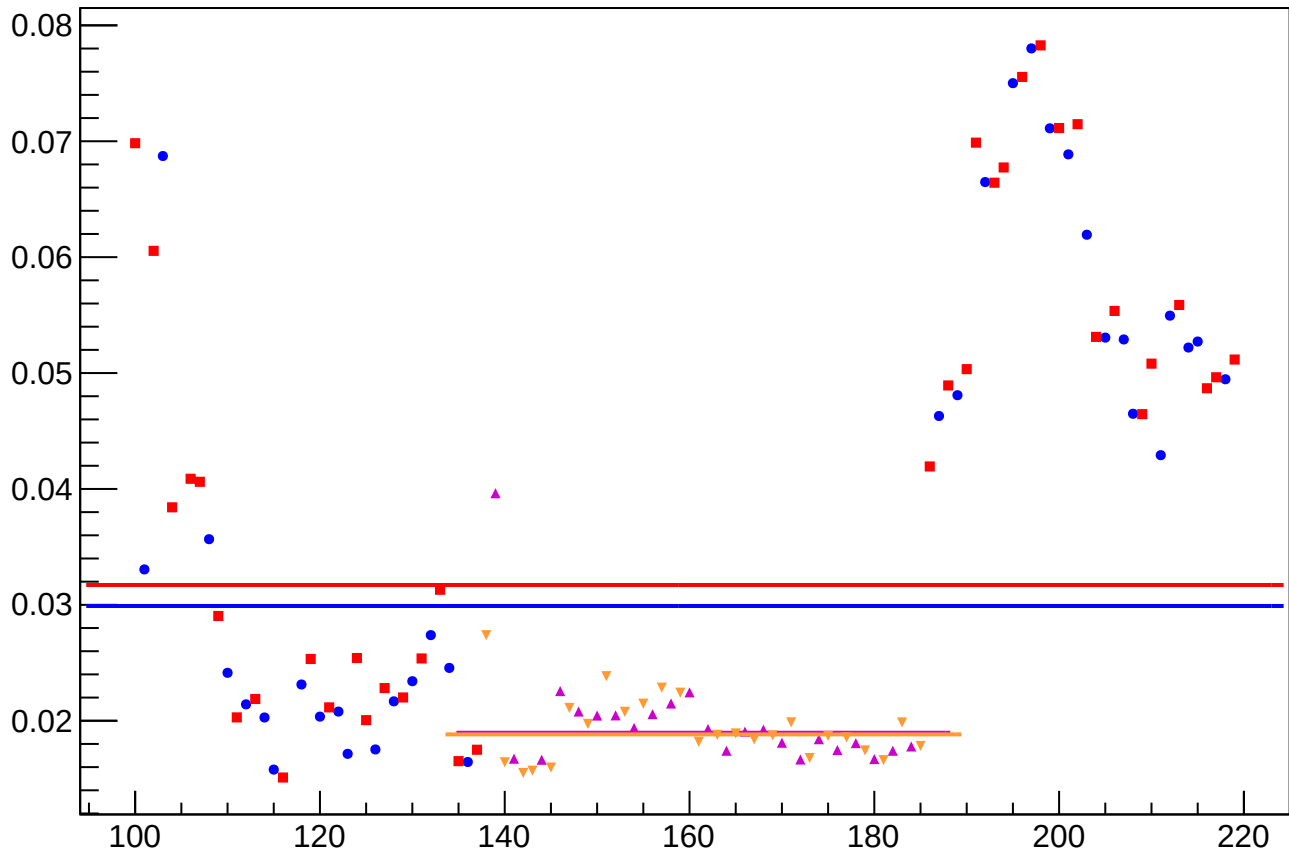
Left In: -0.849 ± 0.000 $\chi^2/\text{NDF}: 256391274.4/22$

+ sign -0.891 ± 0.000 $\chi^2/\text{NDF}: 870340561.9/57$

All: -0.893 ± 0.000 $\chi^2/\text{NDF}: 2019242682.8/1$

- sign -0.895 ± 0.000 $\chi^2/\text{NDF}: 1148404212.8/59$

yield_bpm4acX_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 7718273.6/32

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:490509.4/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 7729471.3/36

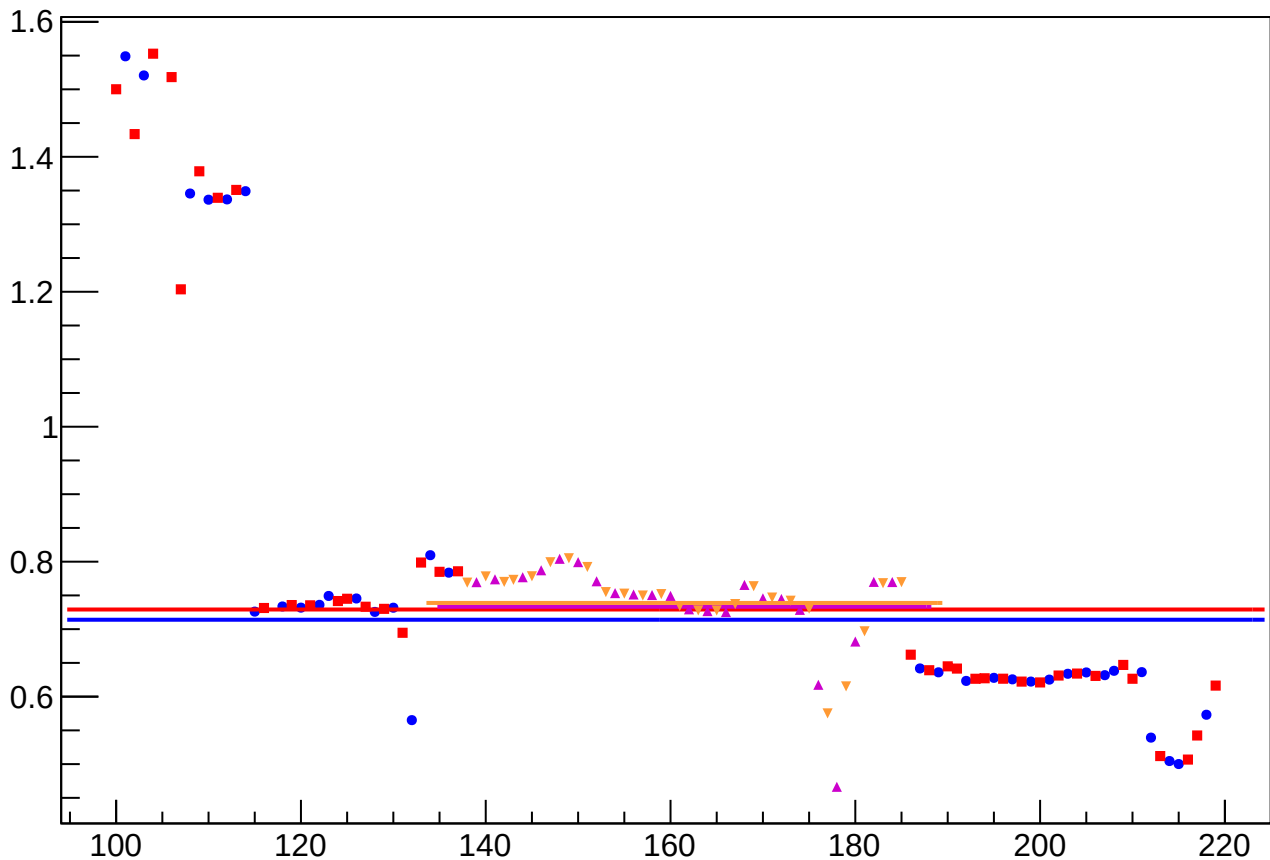
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:615173.8/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10845500.5/57

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 22559849.9/117

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11688997.5/59

yield_bpm4acY_mean vs Slug



Right In: 0.714 $\pm$ 0.000 χ^2 /NDF: 3901389468.2/32

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

Right Out: 0.729 $\pm$ 0.000 χ^2 /NDF: 4219427503.1/36

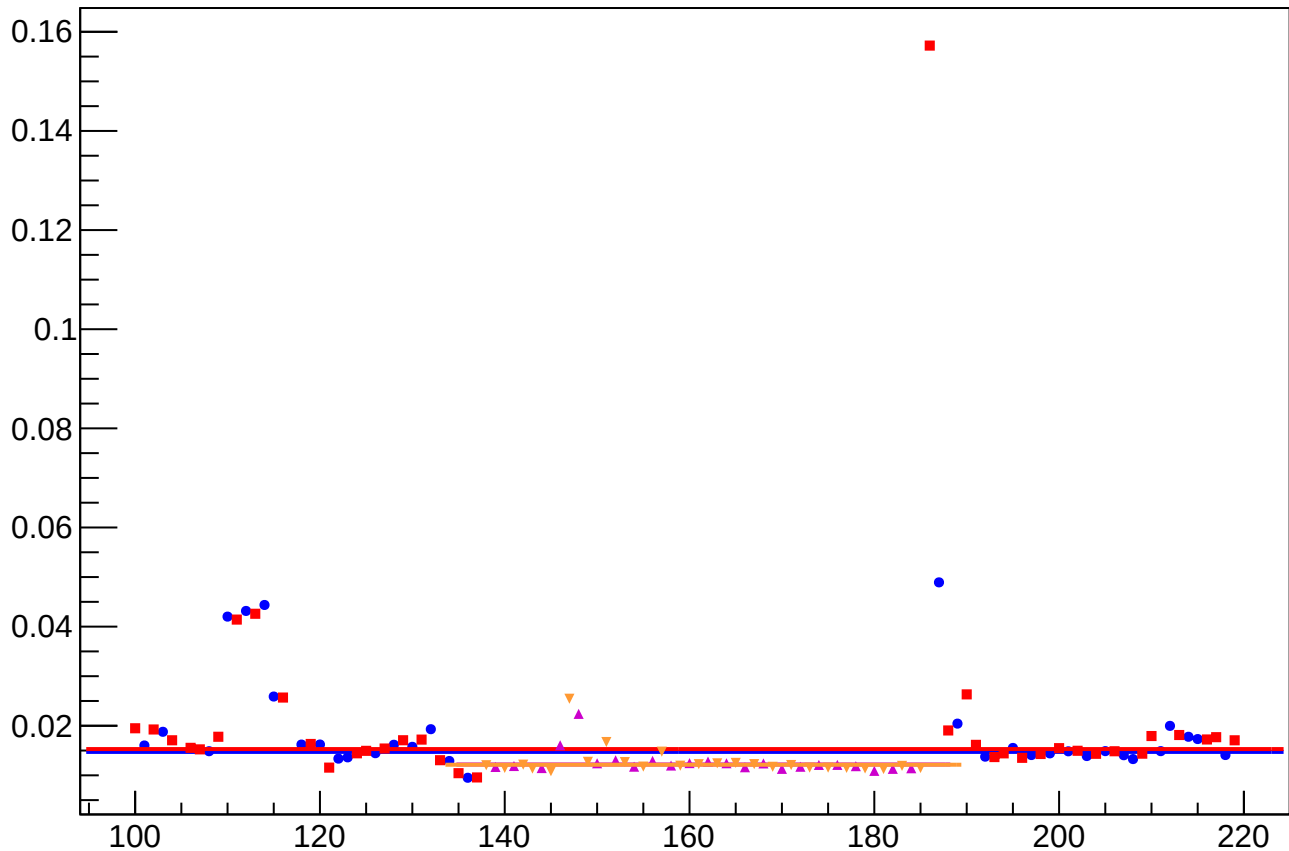
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

+ sign 0.729 $\pm$ 0.000 χ^2 /NDF: 4263107855.6/57

All: 0.730 $\pm$ 0.000 χ^2 /NDF: 9053445509.4/11

- sign 0.732 $\pm$ 0.000 χ^2 /NDF: 4789790260.1/59

yield_bpm4acY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1840097.6/32

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:637986.2/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2232824.3/36

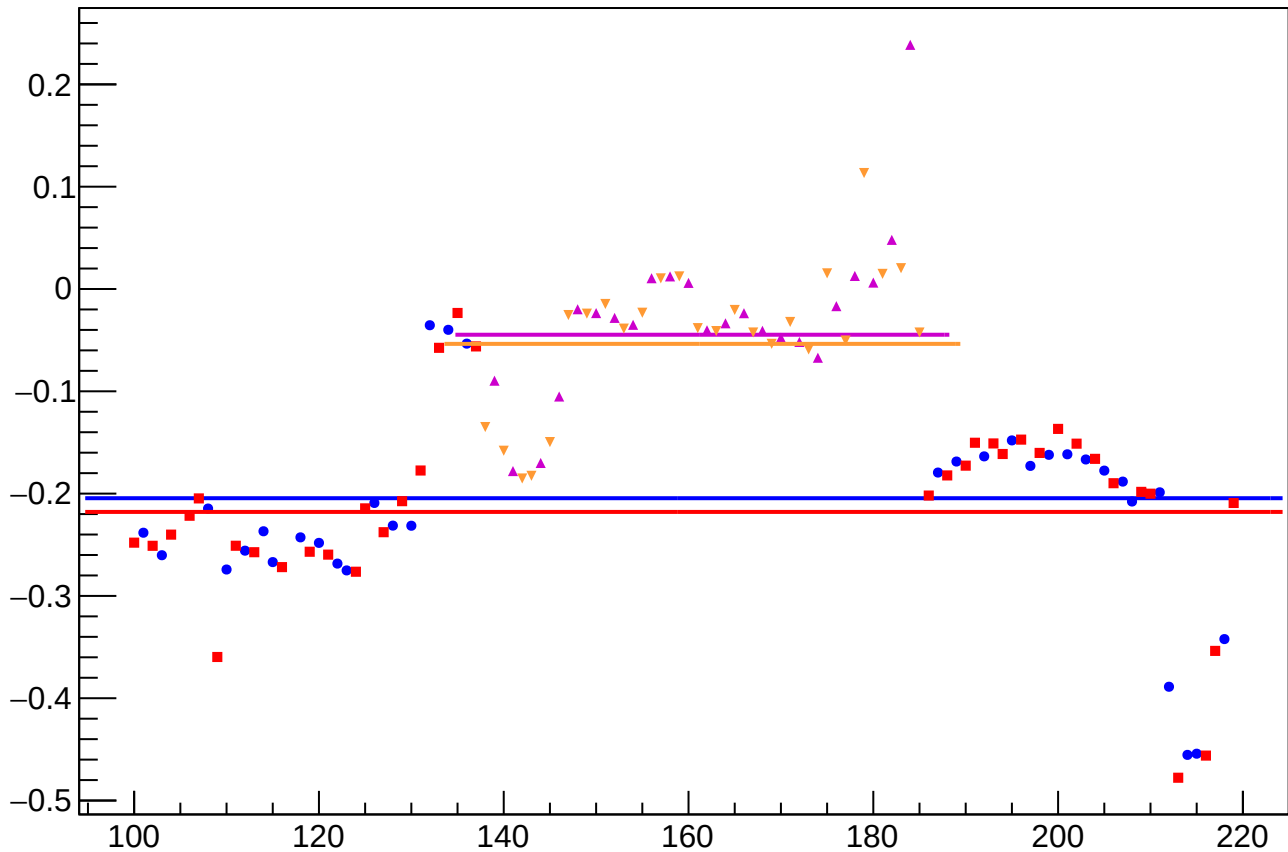
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3097962.8/57

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6694439.5/117

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3580486.8/59

yield_bpm4ecX_mean vs Slug



Right In: -0.204+/-0.000 χ^2/NDF : 160407795.0/32

Left Out: -0.054+/-0.000 χ^2/NDF : 167834173.6/24

Right Out: -0.218+/-0.000 χ^2/NDF : 156272040.9/36

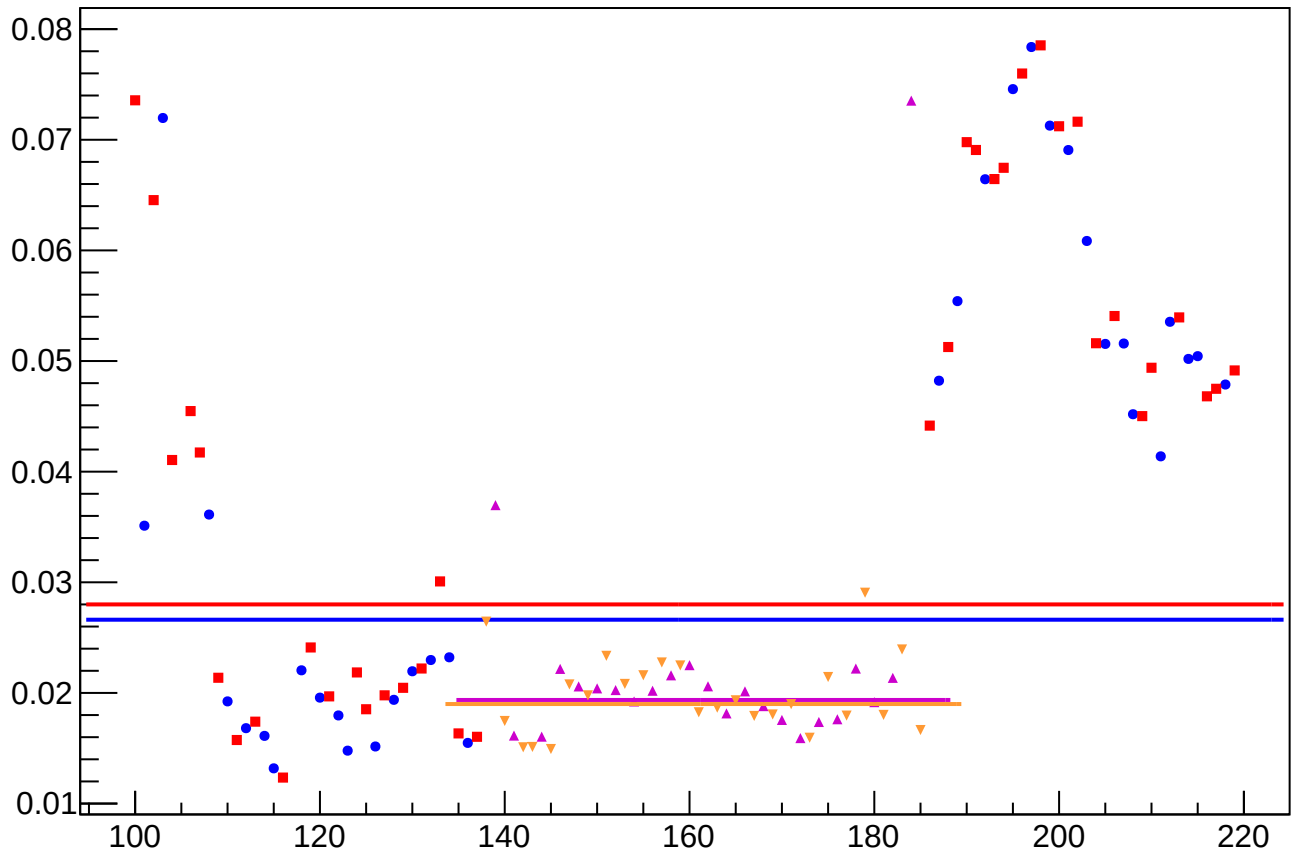
Left In: -0.045+/-0.000 χ^2/NDF : 127192425.2/22

+ sign -0.099+/-0.000 χ^2/NDF : 603881216.0/57

All: -0.099+/-0.000 χ^2/NDF : 1234325874.1/1

- sign -0.099+/-0.000 χ^2/NDF : 630443854.7/59

yield_bpm4ecX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 9065116.9/32

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9516091.1/36

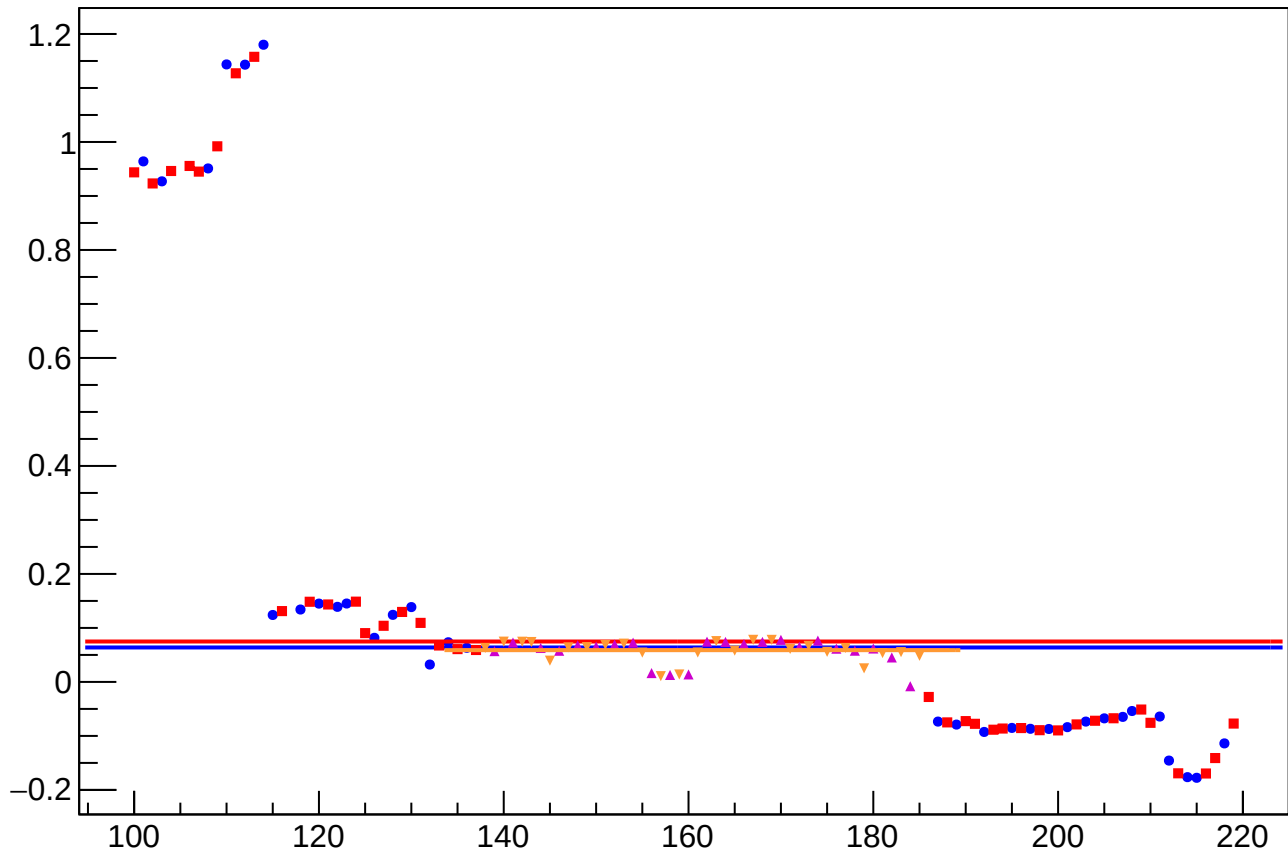
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 11172875.5/57

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 23307841.1/117

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12099969.7/59

yield_bpm4ecY_mean vs Slug



Right In: 0.064 $\pm$ 0.000 χ^2 /NDF: 8792643596.7/32

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:46821236.8/24

Right Out: 0.075 $\pm$ 0.000 χ^2 /NDF: 9717241125.4/36

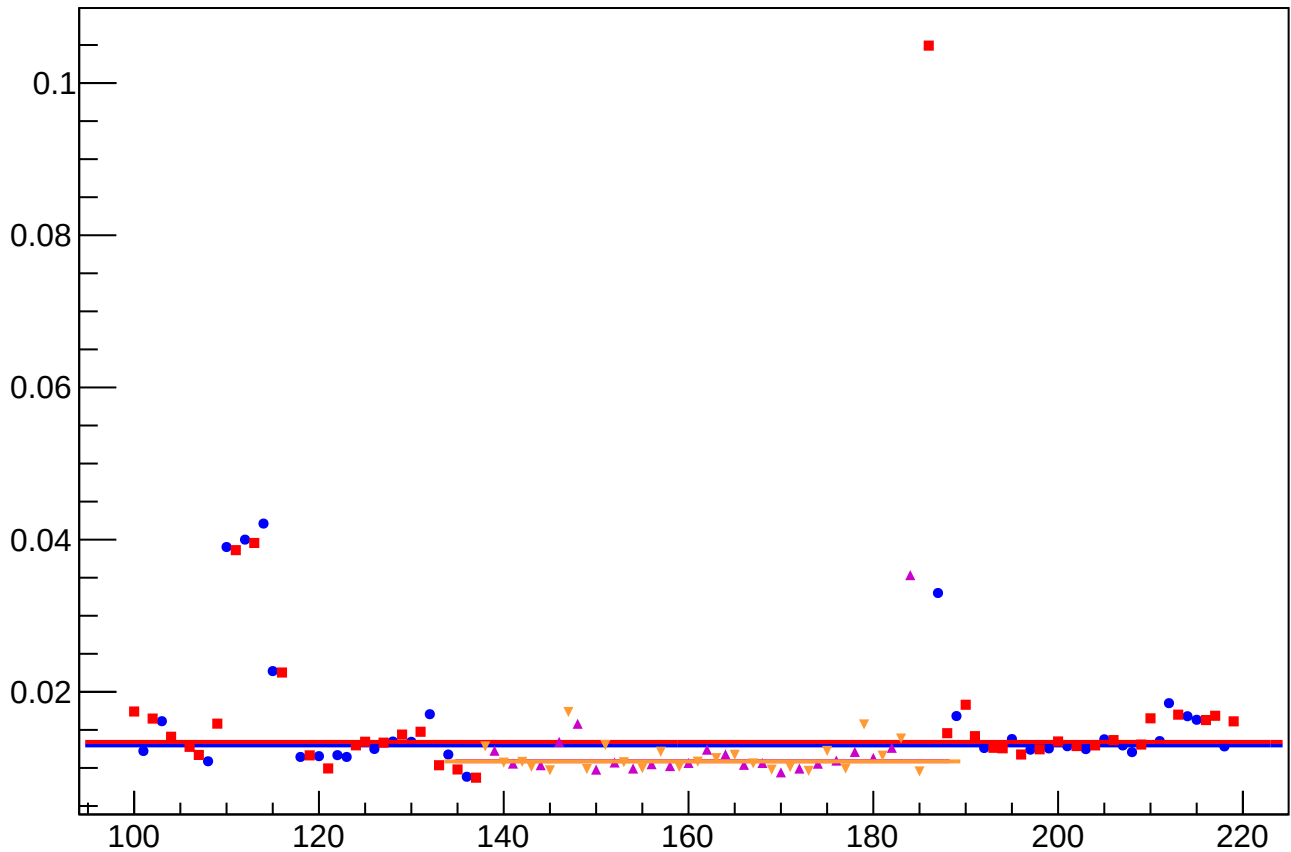
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF:58518655.0/22

+ sign 0.061 $\pm$ 0.000 χ^2 /NDF: 8840892607.6/57

All: 0.063 $\pm$ 0.000 χ^2 /NDF: 18633383262.1/100

- sign 0.066 $\pm$ 0.000 χ^2 /NDF: 9789783837.6/59

yield_bpm4ecY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 1779830.8/32

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 2197634.8/36

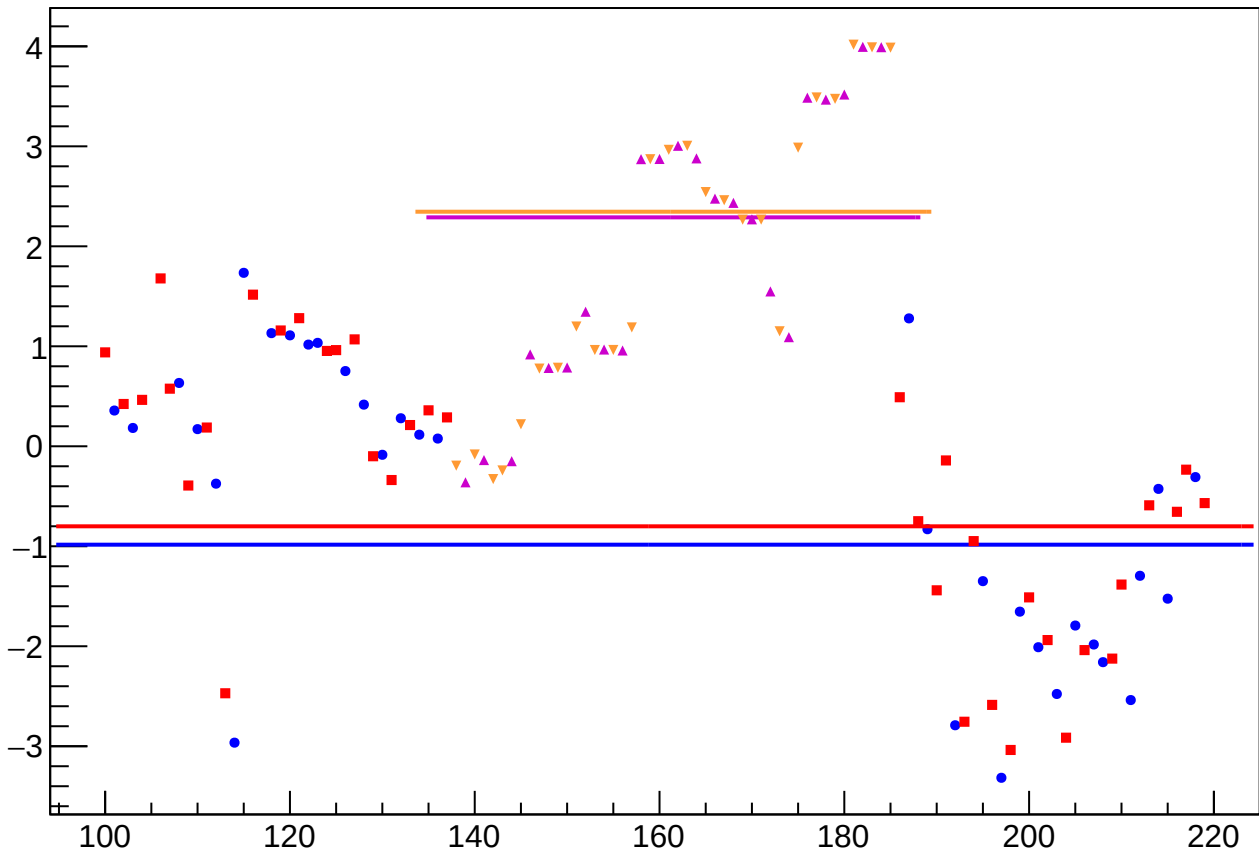
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 530077.5/22

+ sign 0.012 $\pm$ 0.000 χ^2/NDF : 2899812.5/57

All: 0.012 $\pm$ 0.000 χ^2/NDF : 6362795.7/117

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 3450377.2/59

yield_bpm1X_mean vs Slug



Right In: -0.984 ± 0.000 χ^2/NDF : 7958406930.5/32

Left Out: 2.346 ± 0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.800 ± 0.000 χ^2/NDF : 8309160244.9/36

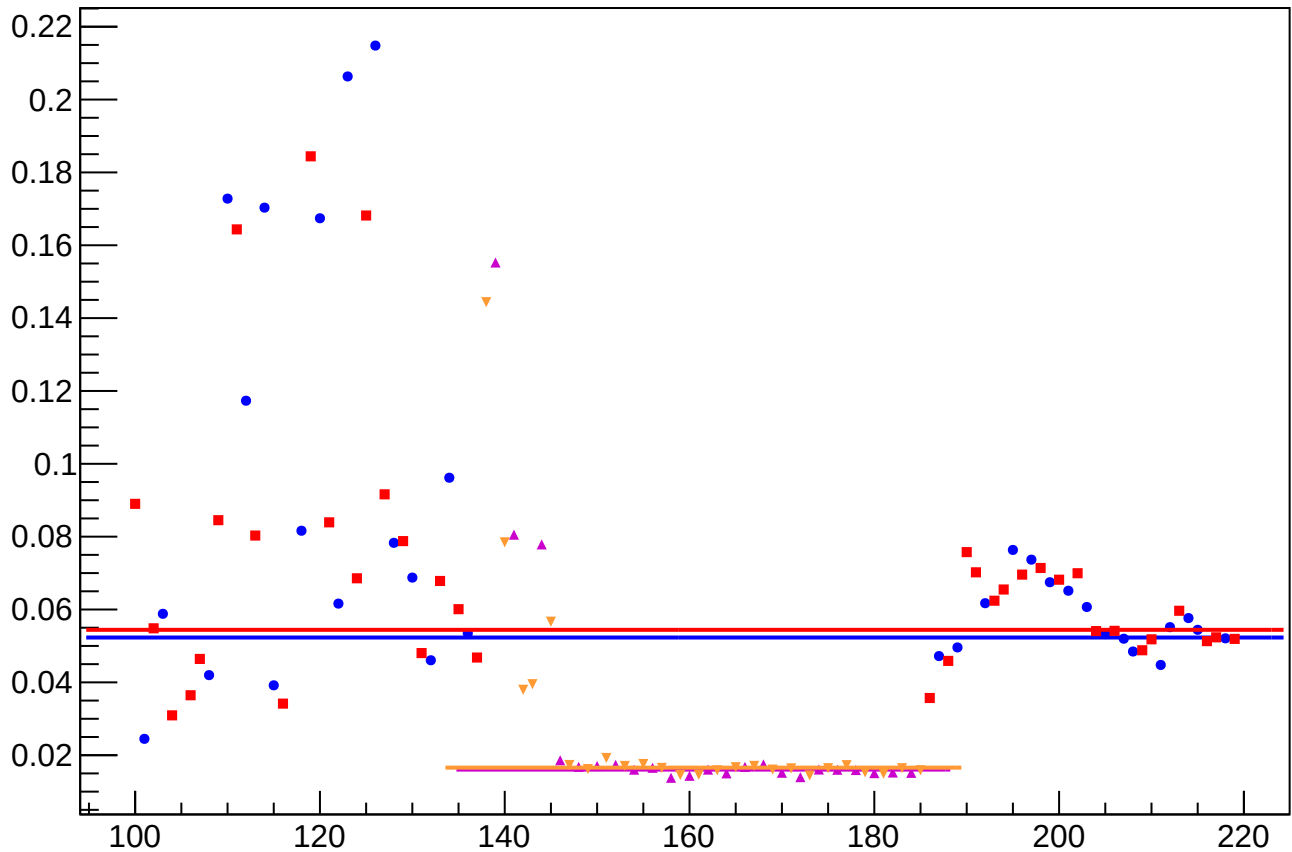
Left In: 2.290 ± 0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.040 ± 0.000 χ^2/NDF : 123347365815.6/57

All: 2.022 ± 0.000 χ^2/NDF : 238096564107.4

- sign 2.005 ± 0.000 χ^2/NDF : 114715142887.0/59

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3567004.0/32

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.054 $\pm$ 0.000 χ^2 /NDF: 2885579.8/36

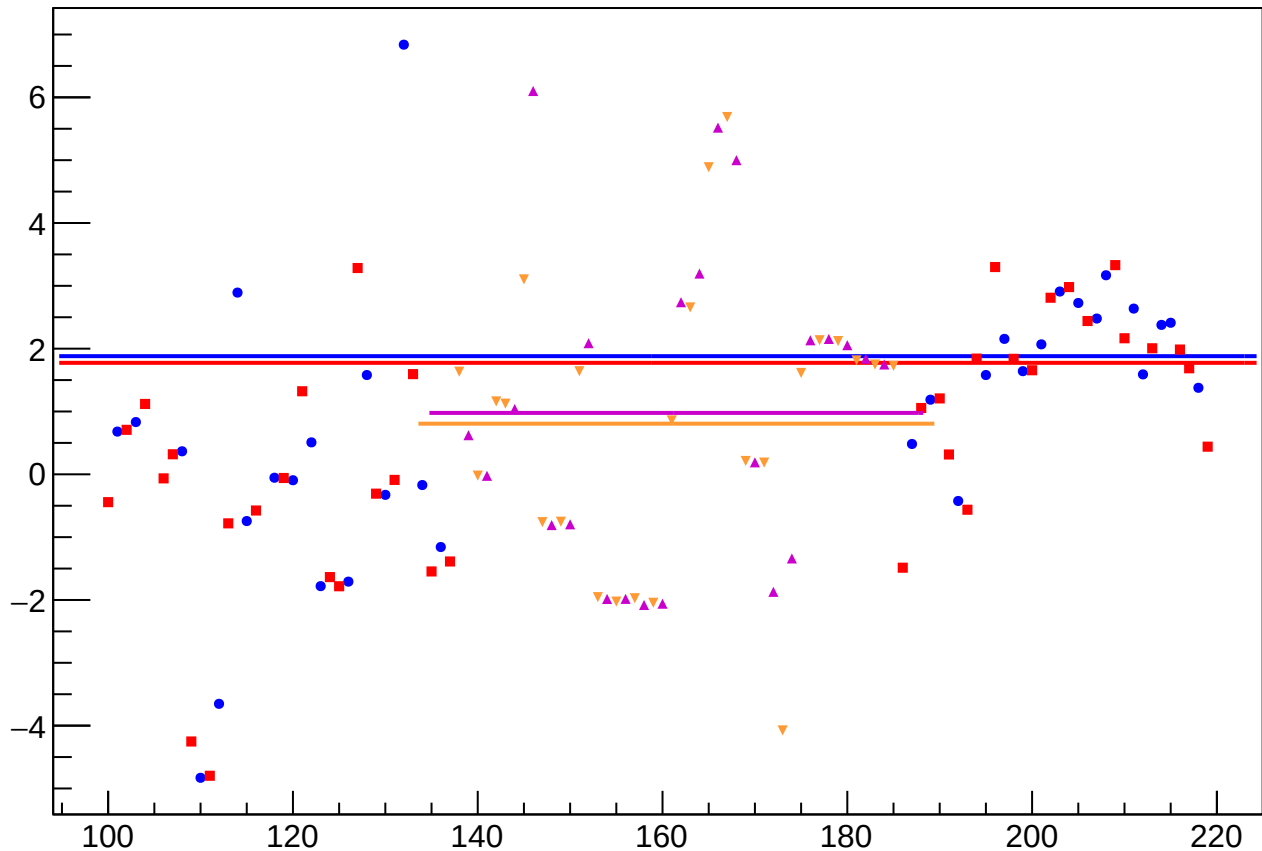
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 18134603.2/57

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 37463256.7/117

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 19323877.2/59

yield_bpm1Y_mean vs Slug

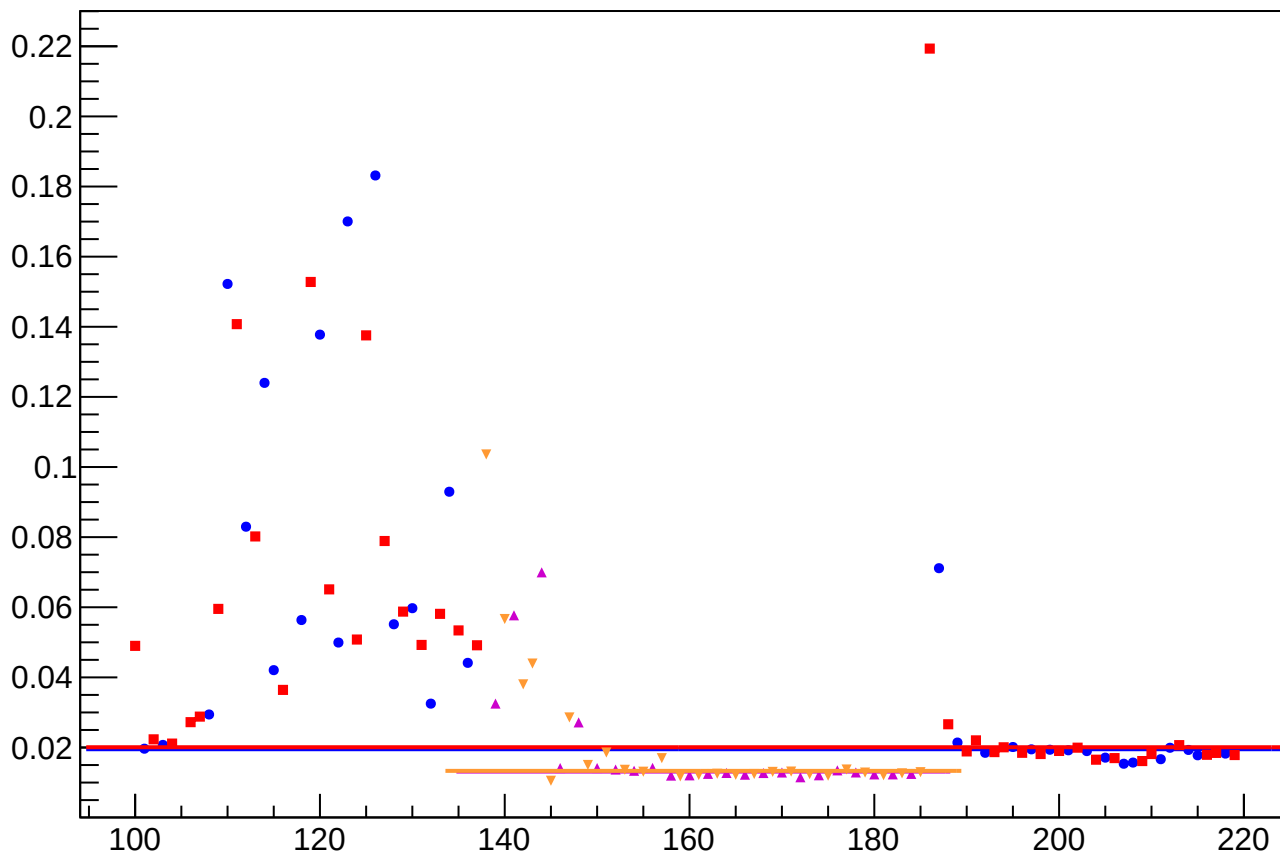


+ sign 1.111 $\pm$ 0.000 χ^2 /NDF: 575420134503.9/57

All: 1.158 $\pm$ 0.000 χ^2 /NDF: 1203477511775.

- sign 1.204 $\pm$ 0.000 χ^2 /NDF: 627535899360.6/59

yield_bpm1Y_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 4216989.7/32

Left Out: 0.013+/-0.000 χ^2/NDF : 2829753.9/24

Right Out: 0.020+/-0.000 χ^2/NDF : 5227698.8/36

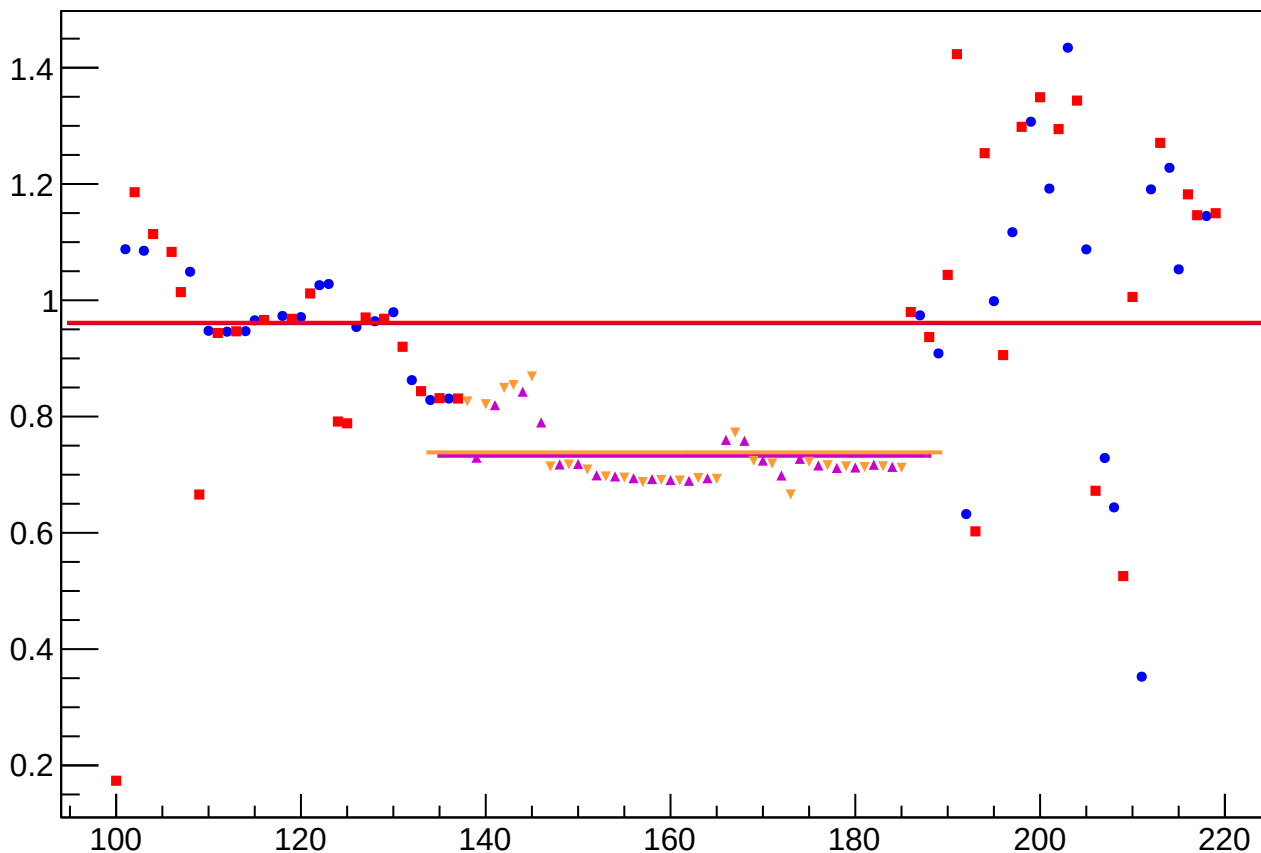
Left In: 0.013+/-0.000 χ^2/NDF : 1946693.6/22

+ sign 0.015+/-0.000 χ^2/NDF : 8878721.1/57

All: 0.015+/-0.000 χ^2/NDF : 18385824.6/117

- sign 0.015+/-0.000 χ^2/NDF : 9507029.1/59

yield_bpm11X_mean vs Slug



Right In: 0.961+/-0.000 χ^2/NDF : 1014414036.4/32

Left Out: 0.738+/-0.000 χ^2/NDF : 310195180.4/24

Right Out: 0.961+/-0.000 χ^2/NDF : 1319585988.8/36

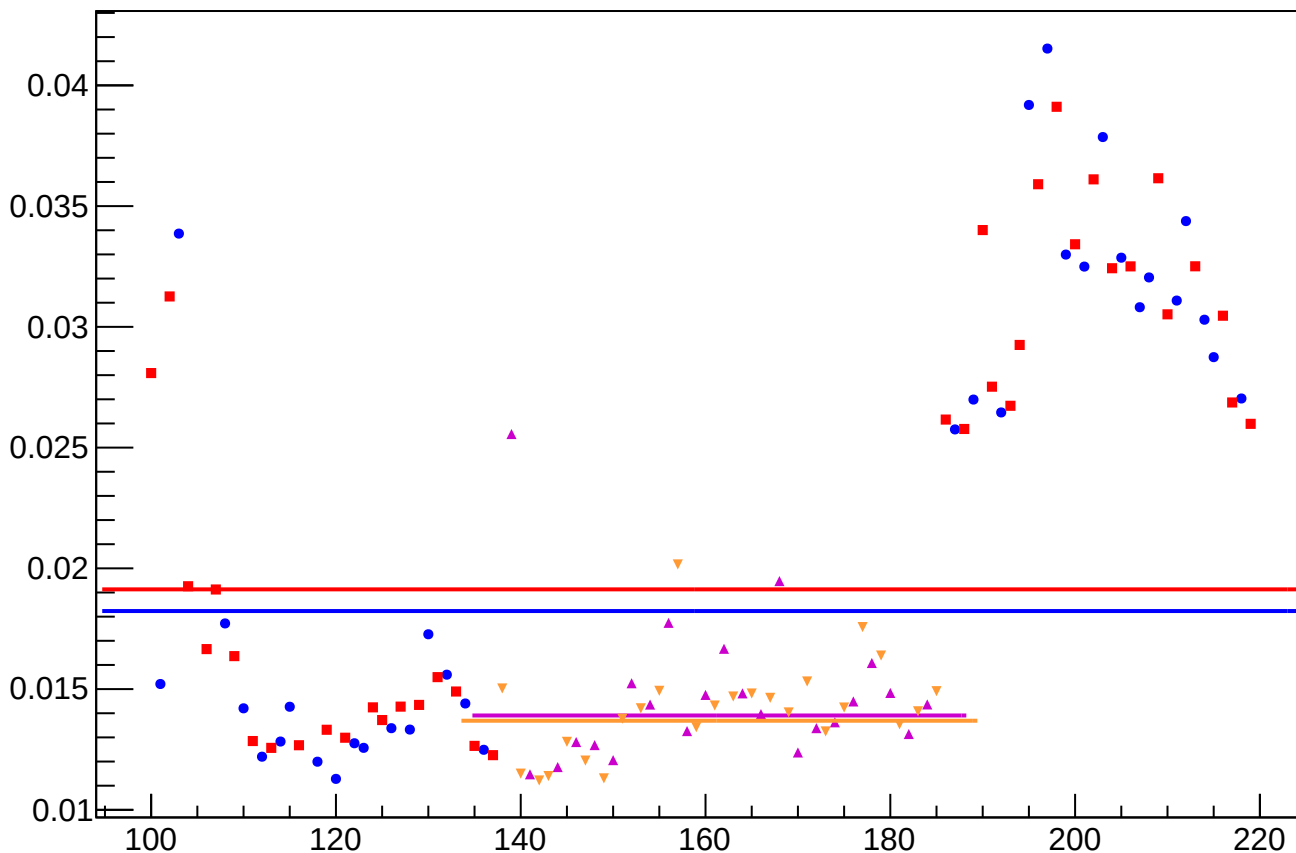
Left In: 0.733+/-0.000 χ^2/NDF : 170102394.7/22

+ sign 0.811+/-0.000 χ^2/NDF : 2711830397.3/57

All: 0.811+/-0.000 χ^2/NDF : 5637118798.0/11

- sign 0.811+/-0.000 χ^2/NDF : 2925275382.8/59

yield_bpm11X_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 5755768.3/32

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:528480.6/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 5227084.3/36

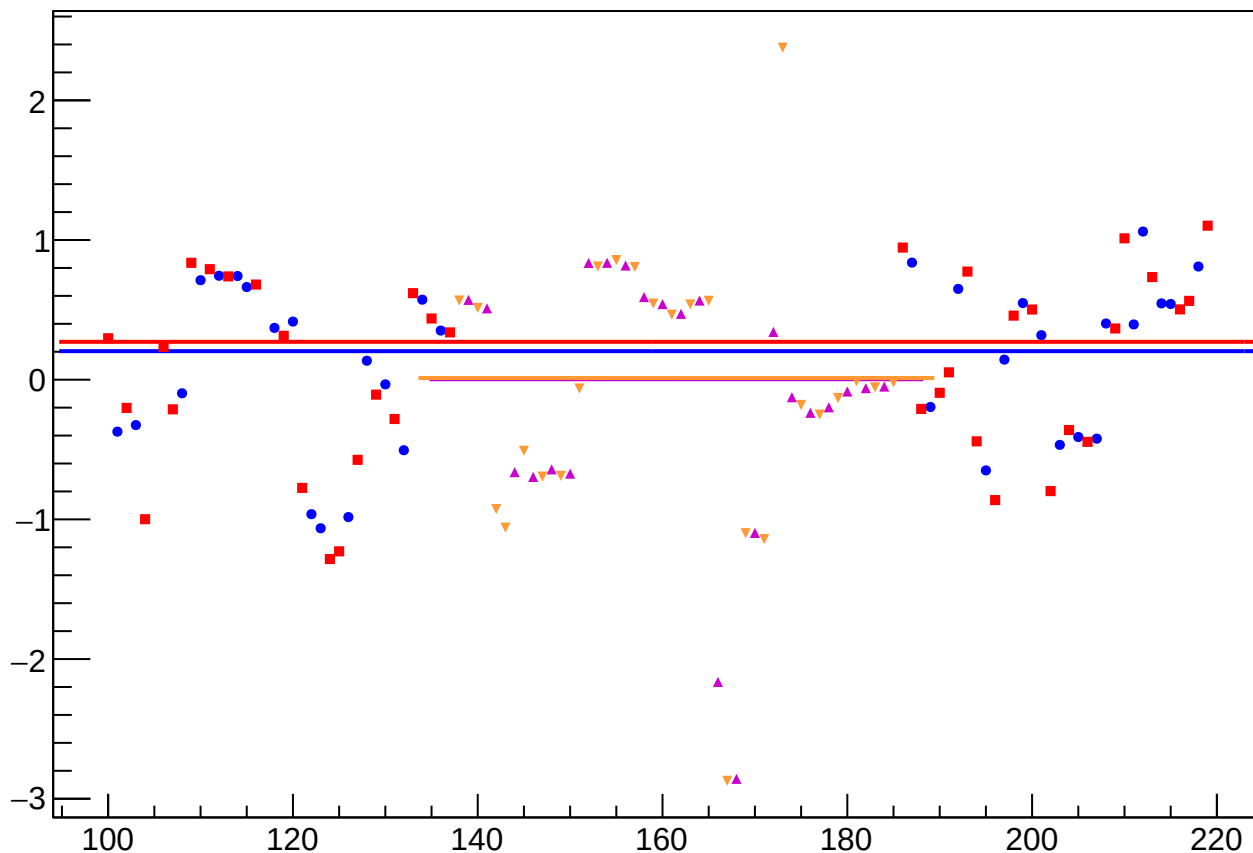
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:768161.9/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 7442628.1/57

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 14969379.9/117

- sign 0.016 $\pm$ 0.000 χ^2 /NDF: 7491236.5/59

yield_bpm11Y_mean vs Slug



Right In: 0.204 $\pm$ 0.000 χ^2 /NDF: 34028340894.8/32

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 96383858927.1/24

Right Out: 0.271 $\pm$ 0.000 χ^2 /NDF: 50298322884.8/36

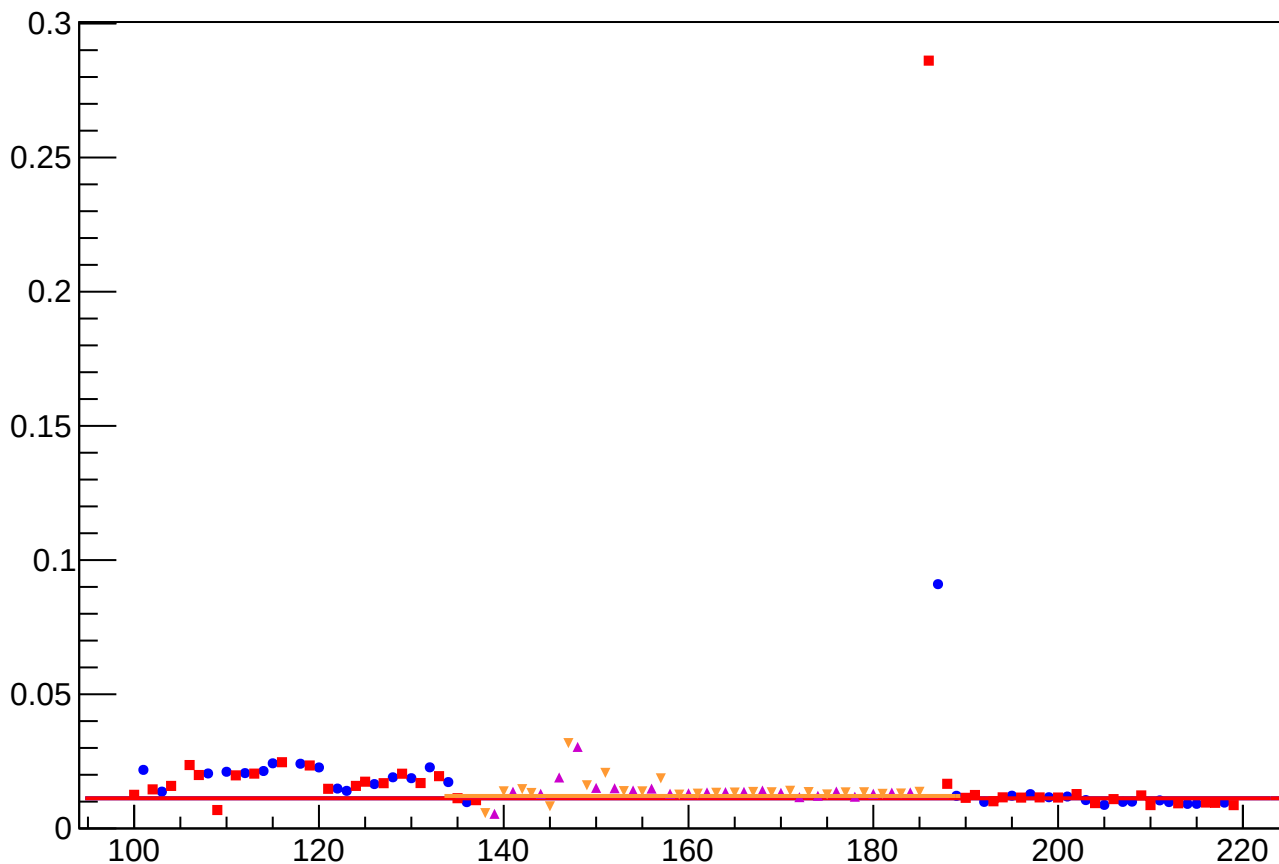
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 78826489573.0/22

+ sign 0.113 $\pm$ 0.000 χ^2 /NDF: 132517396787.7/57

All: 0.132 $\pm$ 0.000 χ^2 /NDF: 265915083089.5

- sign 0.150 $\pm$ 0.000 χ^2 /NDF: 133238923409.8/59

yield_bpm11Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 2660710.2/32

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 3226961.1/36

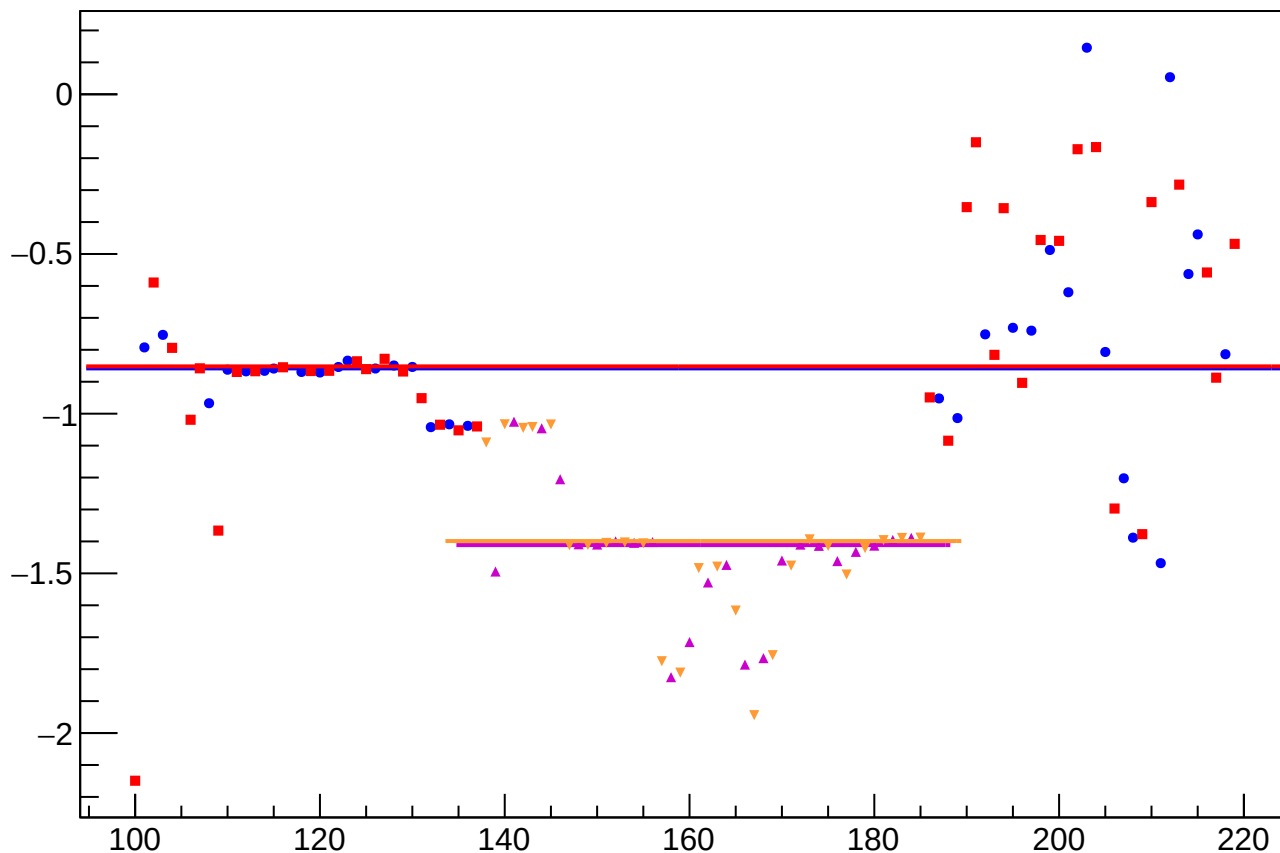
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5850149.7/57

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 12149296.2/117

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 6297693.4/59

yield_bpm12X_mean vs Slug



Right In: -0.858 ± 0.000 χ^2/NDF : 373132757.0/32

Left Out: -1.399 ± 0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.852 ± 0.000 χ^2/NDF : 517874996.1/36

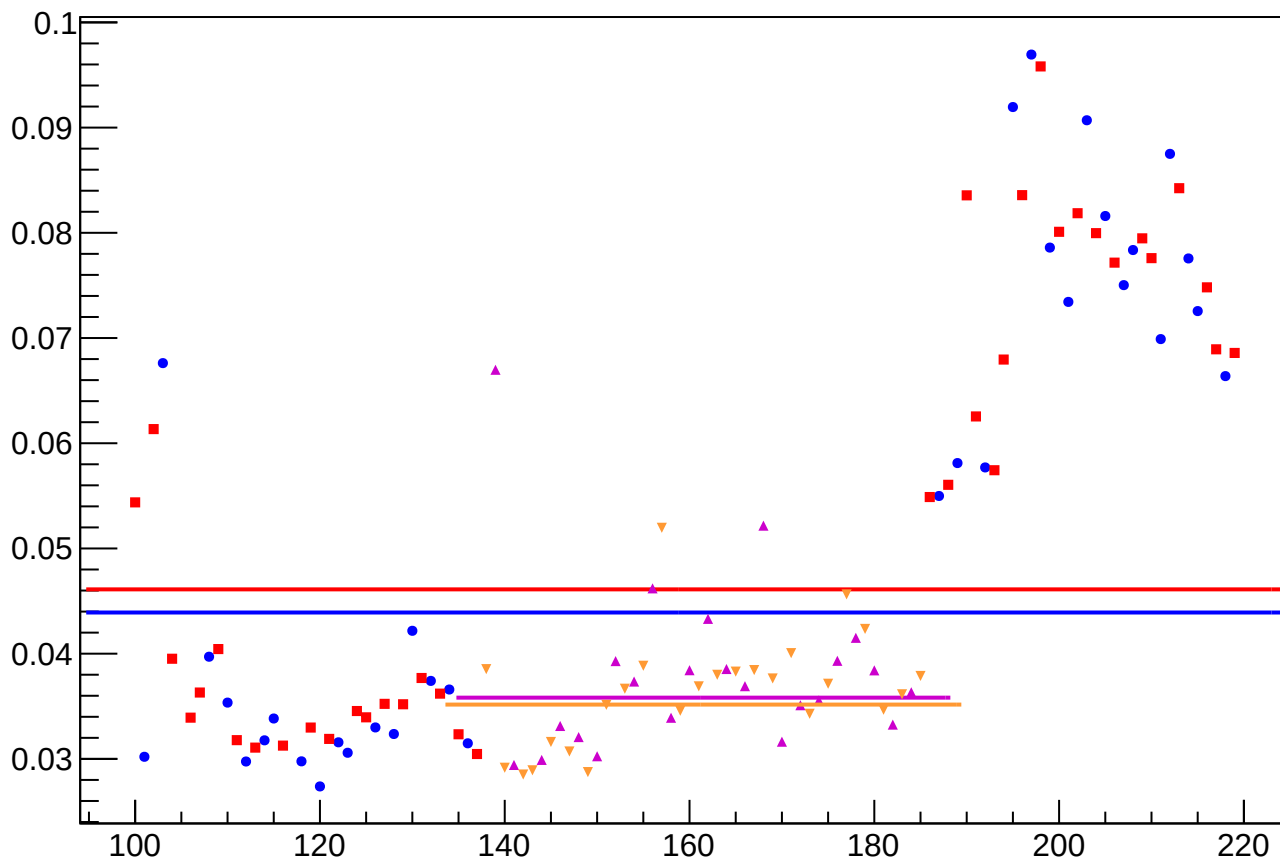
Left In: -1.411 ± 0.000 χ^2/NDF : 512547995.0/22

+ sign -1.204 ± 0.000 χ^2/NDF : 2477242166.4/57

All: -1.201 ± 0.000 χ^2/NDF : 4923169458.3/1

- sign -1.199 ± 0.000 χ^2/NDF : 2445684697.7/59

yield_bpm12X_rms vs Slug



Right In: 0.044 +/- 0.000 χ^2/NDF : 5577965.9/32

Left Out: 0.035 +/- 0.000 χ^2/NDF : 595219.5/24

Right Out: 0.046 +/- 0.000 χ^2/NDF : 4905955.3/36

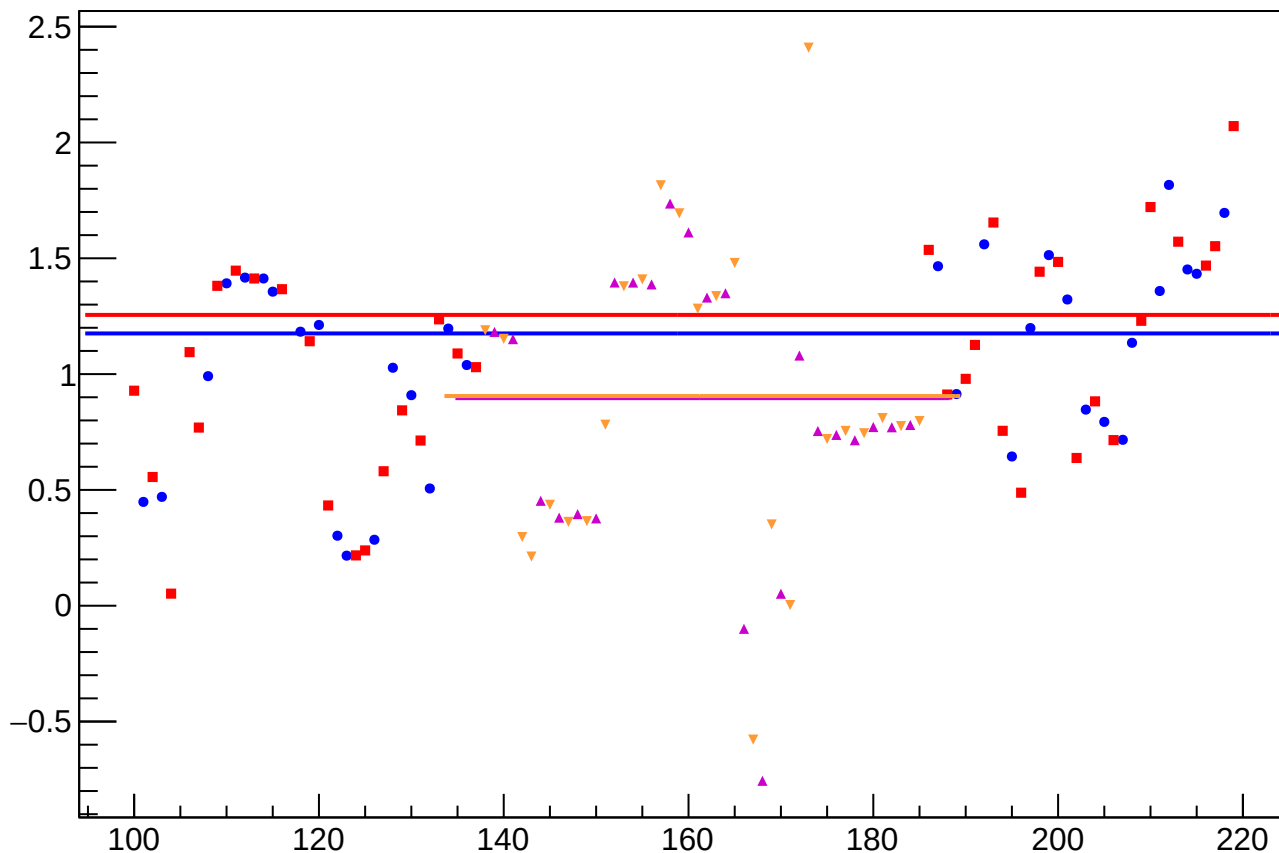
Left In: 0.036 +/- 0.000 χ^2/NDF : 864147.6/22

+ sign 0.038 +/- 0.000 χ^2/NDF : 6889060.4/57

All: 0.039 +/- 0.000 χ^2/NDF : 13656037.5/117

- sign 0.040 +/- 0.000 χ^2/NDF : 6727657.7/59

yield_bpm12Y_mean vs Slug



Right In: 1.176 $\pm$ 0.000 χ^2 /NDF: 49838495791.4/32

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 1.256 $\pm$ 0.000 χ^2 /NDF: 71624433534.9/36

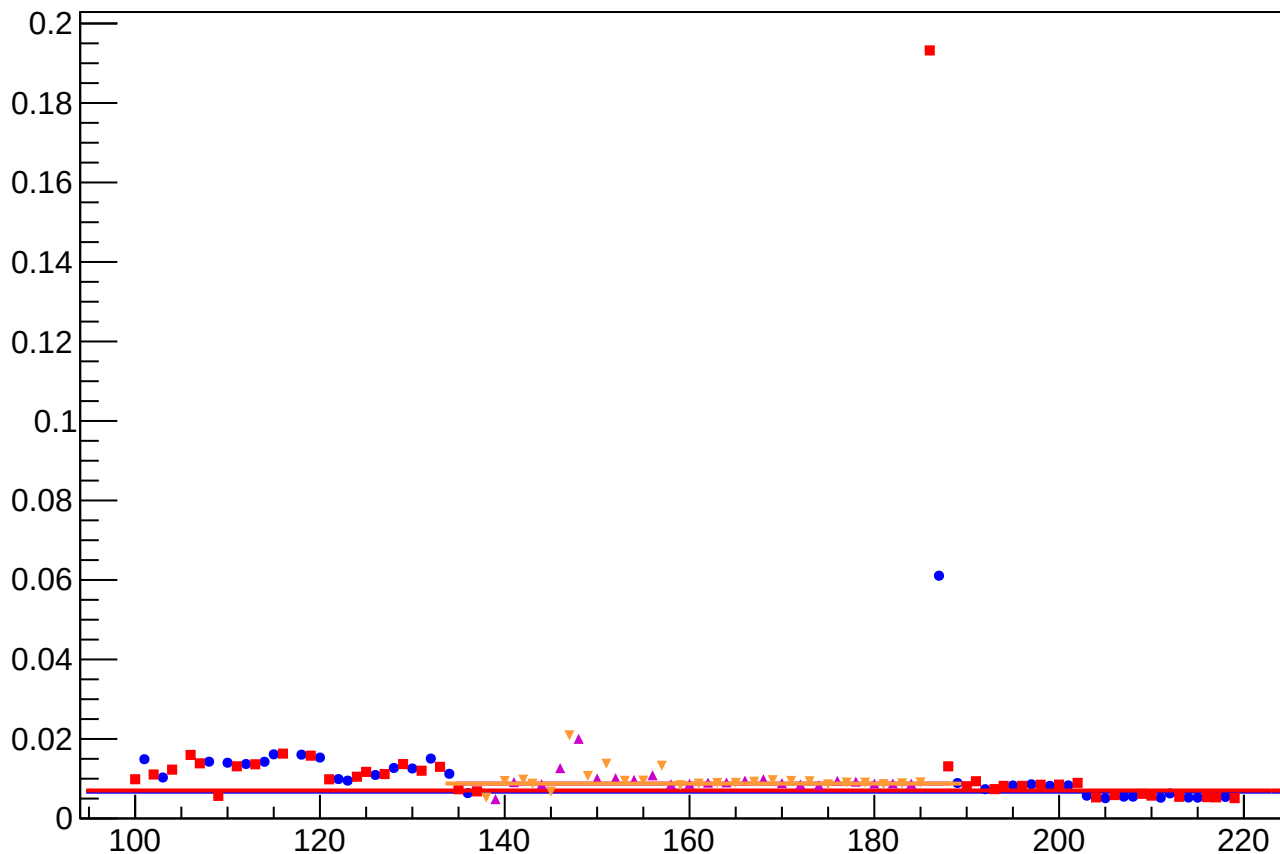
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 1.068 $\pm$ 0.000 χ^2 /NDF: 143743146268.4/57

All: 1.091 $\pm$ 0.000 χ^2 /NDF: 298703981275.6

- sign 1.116 $\pm$ 0.000 χ^2 /NDF: 154360065400.0/59

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 3850435.8/32

Left Out: 0.009+/-0.000 χ^2/NDF : 1697568.1/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4325200.1/36

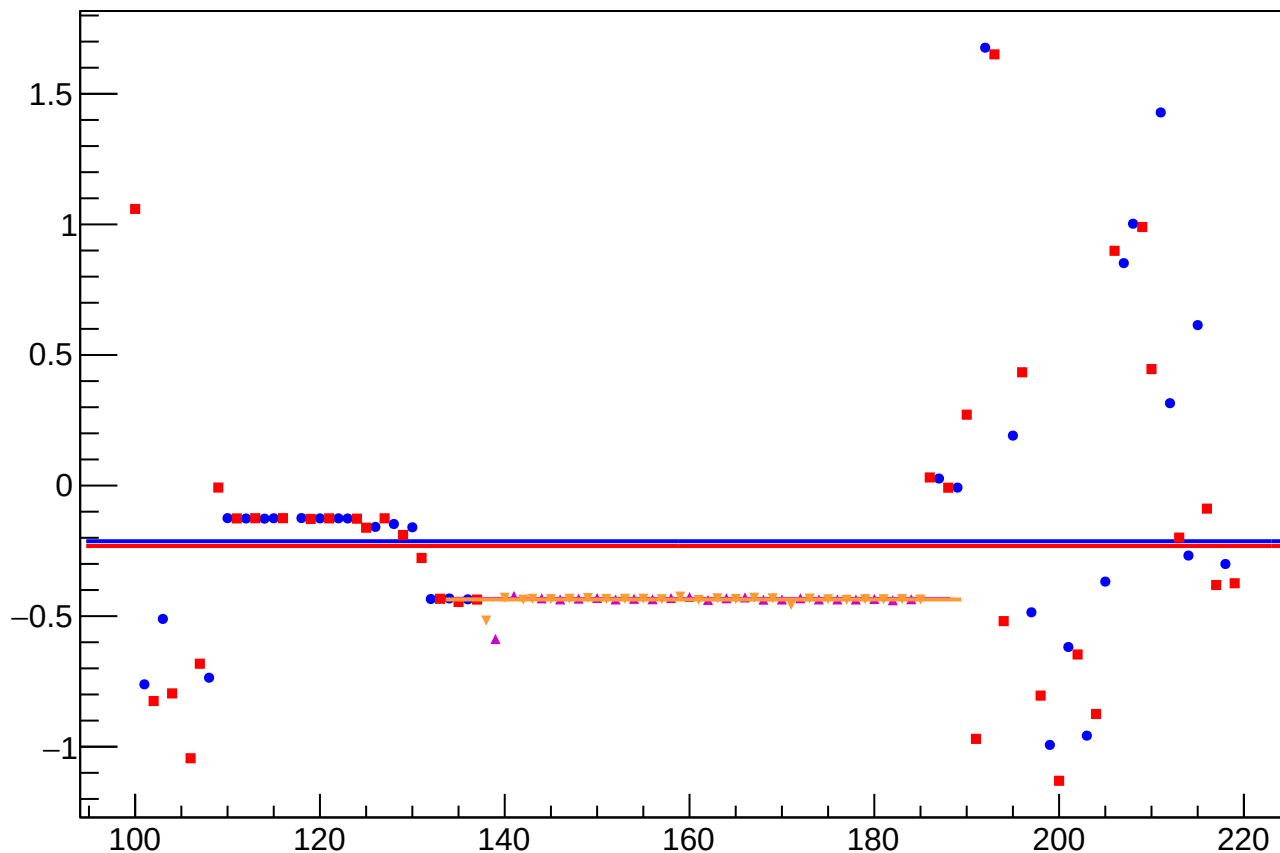
Left In: 0.009+/-0.000 χ^2/NDF : 1607939.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 6657427.4/57

All: 0.008+/-0.000 χ^2/NDF : 13358745.6/117

- sign 0.008+/-0.000 χ^2/NDF : 6685394.0/59

yield_bpm16X_mean vs Slug



Right In: -0.213+/-0.000 χ^2/NDF : 4983992941.3/32

Left Out: -0.436+/-0.000 χ^2/NDF : 28774660.0/24

Right Out: -0.232+/-0.000 χ^2/NDF : 3442822640.7/36

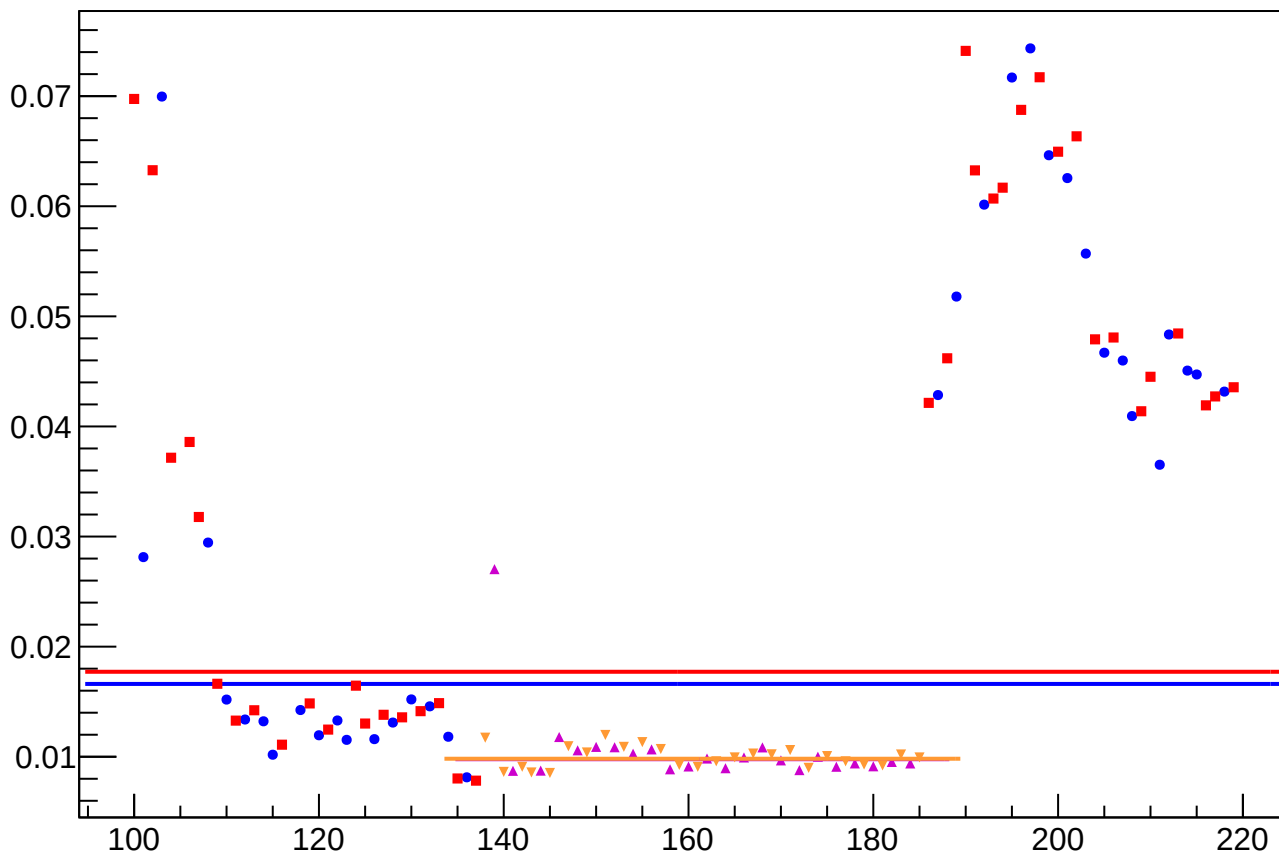
Left In: -0.434+/-0.000 χ^2/NDF : 23984173.0/22

+ sign -0.395+/-0.000 χ^2/NDF : 6492201016.1/57

All: -0.396+/-0.000 χ^2/NDF : 11111347230.8/100

- sign -0.397+/-0.000 χ^2/NDF : 4618949130.4/59

yield_bpm16X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 13122509.3/32

Left Out: 0.010+/-0.000 χ^2/NDF : 269242.6/24

Right Out: 0.018+/-0.000 χ^2/NDF : 13827454.5/36

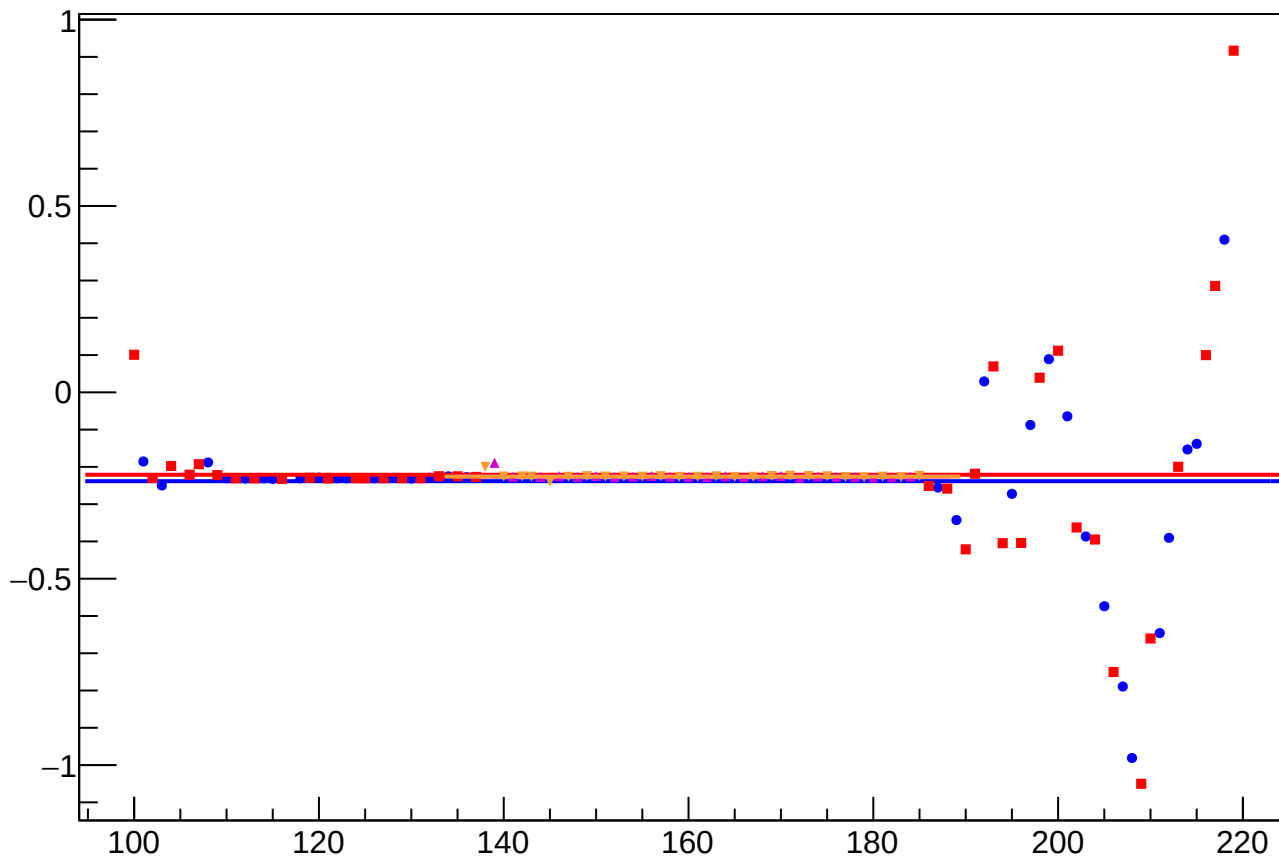
Left In: 0.010+/-0.000 χ^2/NDF : 747550.0/22

+ sign 0.011+/-0.000 χ^2/NDF : 16136262.8/57

All: 0.011+/-0.000 χ^2/NDF : 34261866.5/117

- sign 0.011+/-0.000 χ^2/NDF : 18119835.0/59

yield_bpm16Y_mean vs Slug



Right In: -0.238+/-0.000 χ^2/NDF : 33462238199.8/32

Left Out: -0.226+/-0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.221+/-0.000 χ^2/NDF : 46853369475.5/36

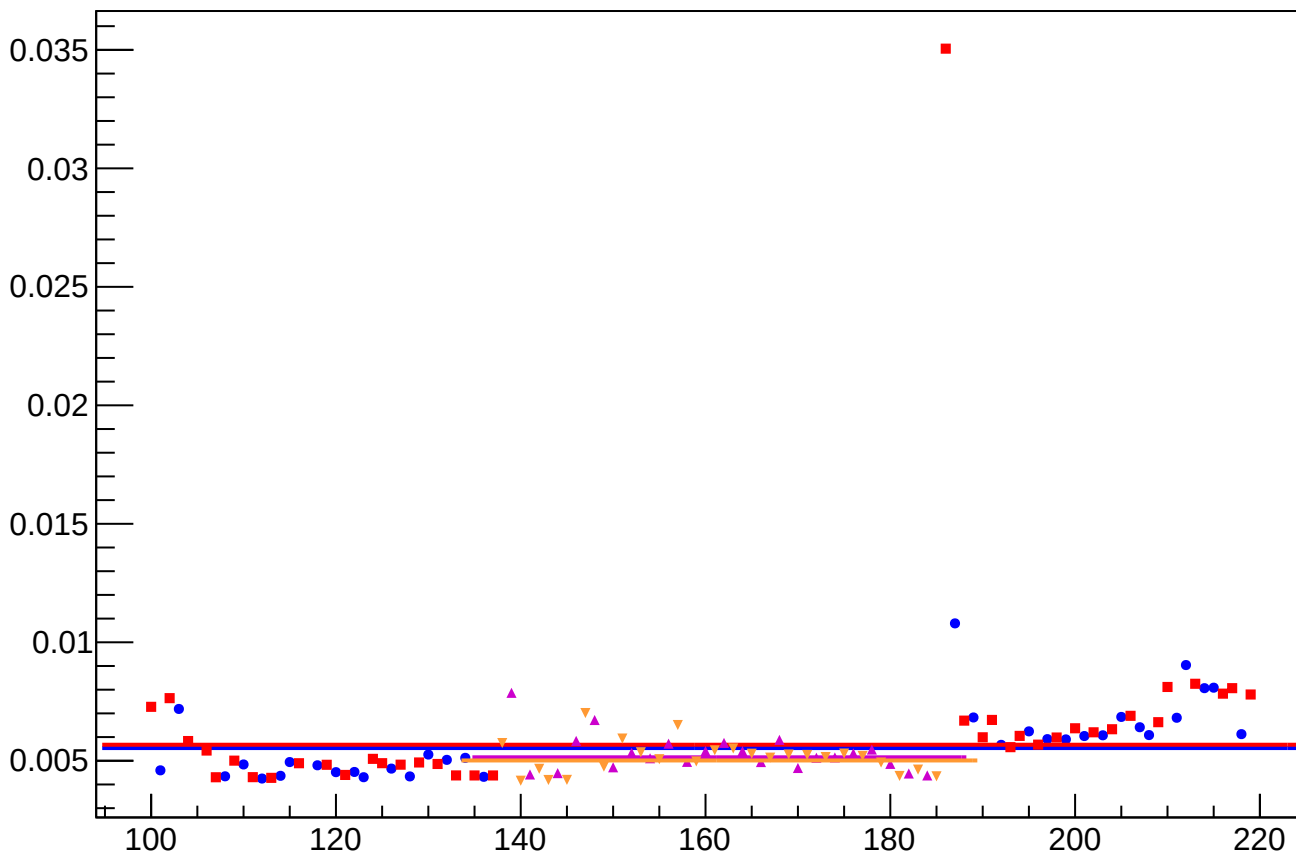
Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

+ sign -0.231+/-0.000 χ^2/NDF : 33528746395.9/57

All: -0.228+/-0.000 χ^2/NDF : 80439920319.7/100

- sign -0.224+/-0.000 χ^2/NDF : 46874752295.1/59

yield_bpm16Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1379863.4/32

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:530632.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1975295.1/36

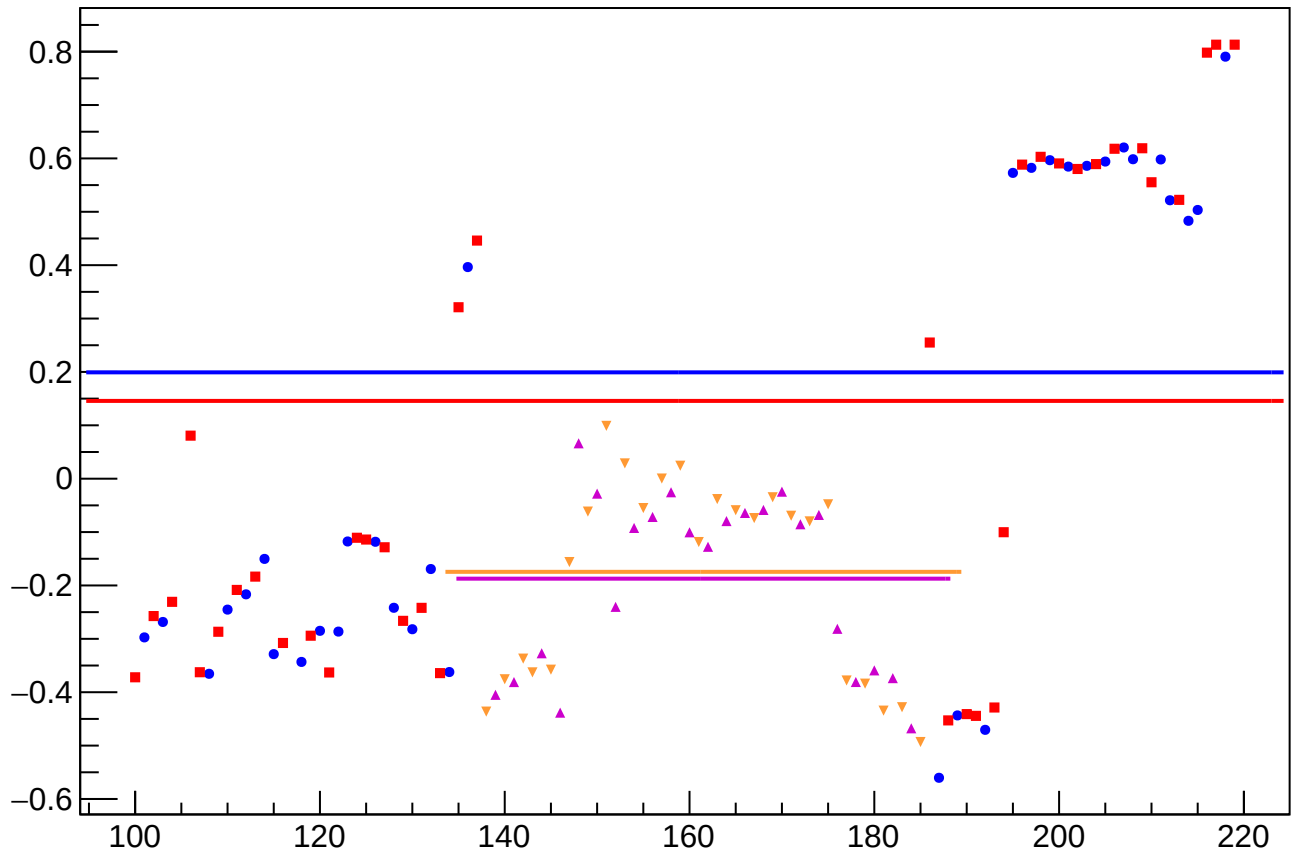
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:493107.7/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2074157.8/57

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 4731960.1/117

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2630299.2/59

yield_bpm0i02X_mean vs Slug



Right In: 0.199+/-0.000 χ^2/NDF : 74199261236.7/32

Left Out: -0.174+/-0.000 χ^2/NDF : 18025533236.1/24

Right Out: 0.146+/-0.000 χ^2/NDF : 85853759926.3/36

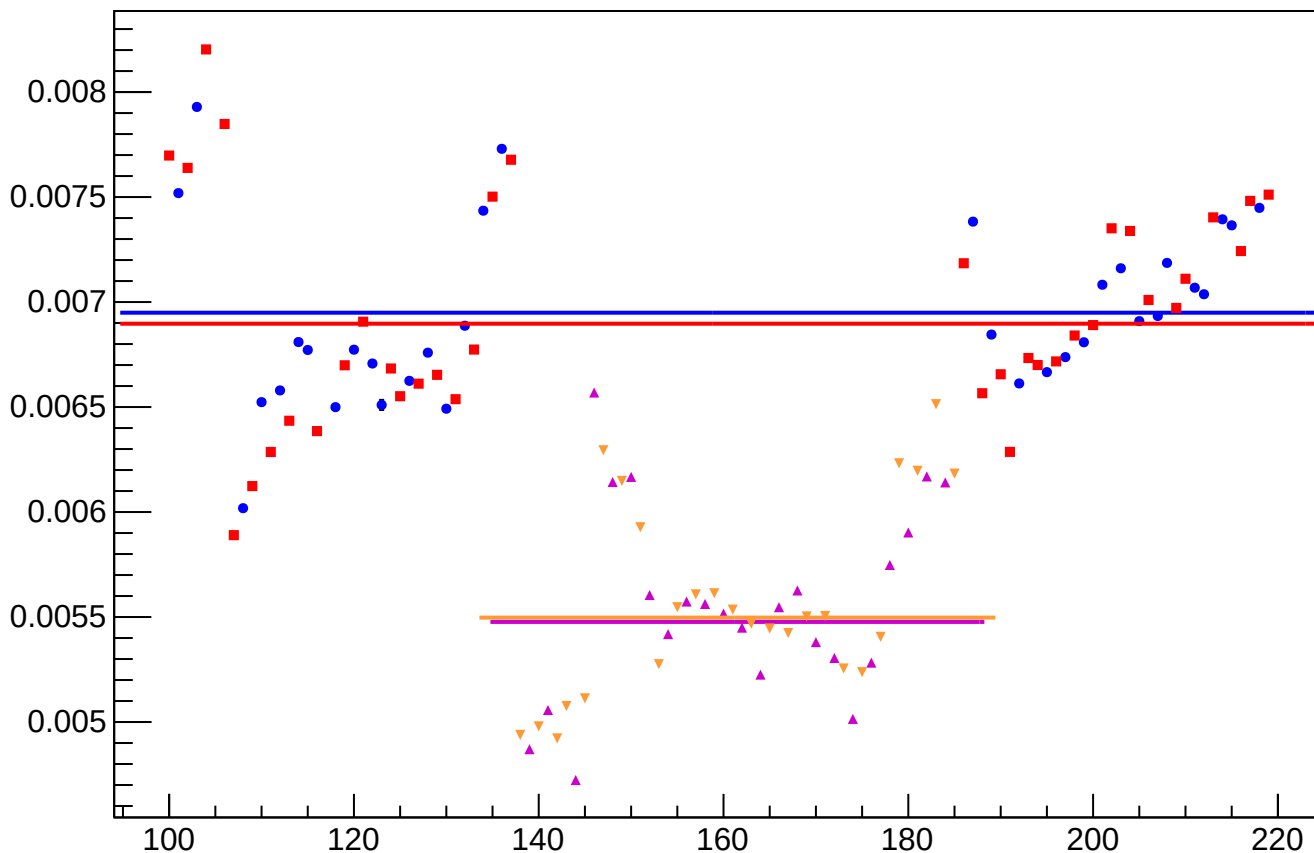
Left In: -0.187+/-0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.028+/-0.000 χ^2/NDF : 123787975131.5/57

All: -0.037+/-0.000 χ^2/NDF : 248278965332.5

- sign -0.046+/-0.000 χ^2/NDF : 124335500134.9/59

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 112331.6/32

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:198746.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 167655.0/36

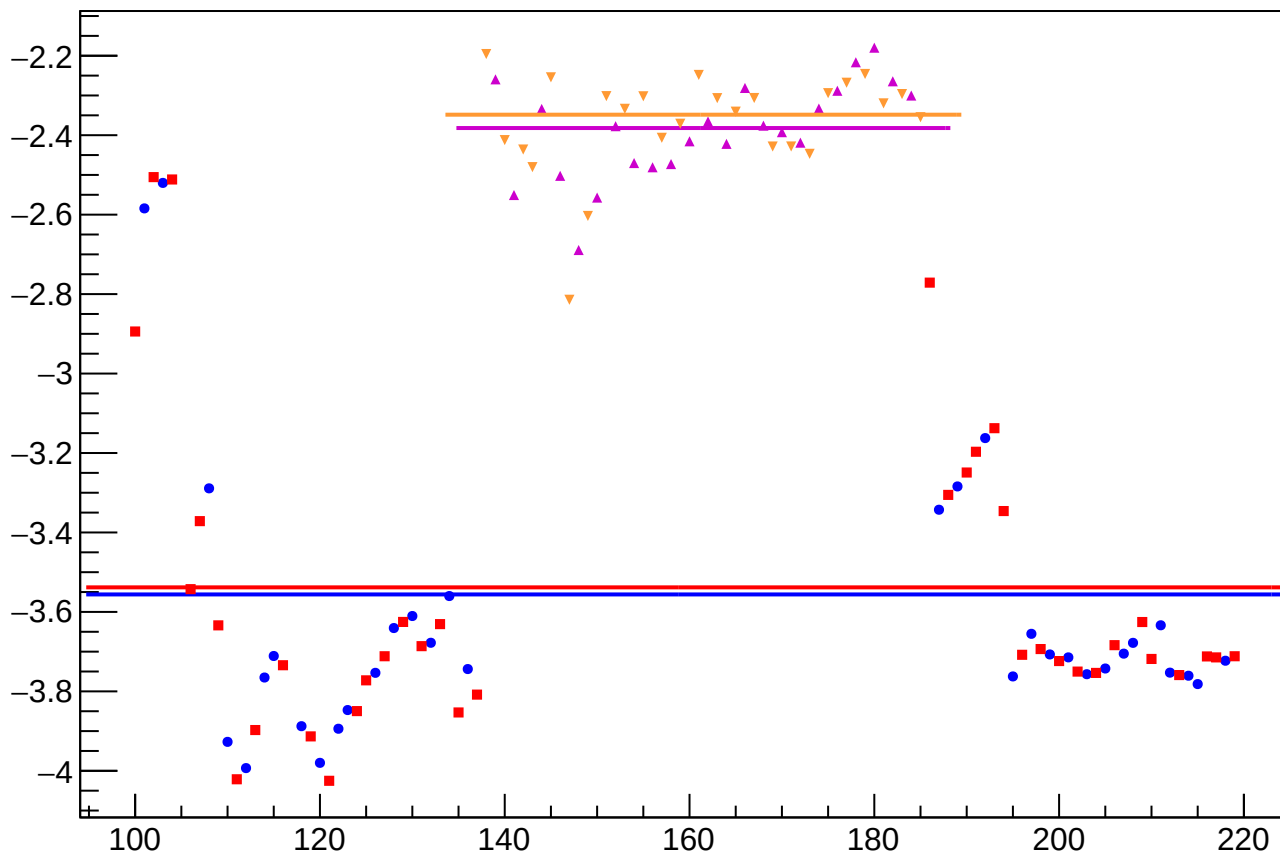
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:202181.4/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1264110.3/57

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 2567743.8/117

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1303491.4/59

yield_bpm0i02Y_mean vs Slug



Right In: -3.556+/-0.000 χ^2/NDF : 30851035294.6/32

Left Out: -2.348+/-0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.538+/-0.000 χ^2/NDF : 31752007967.8/36

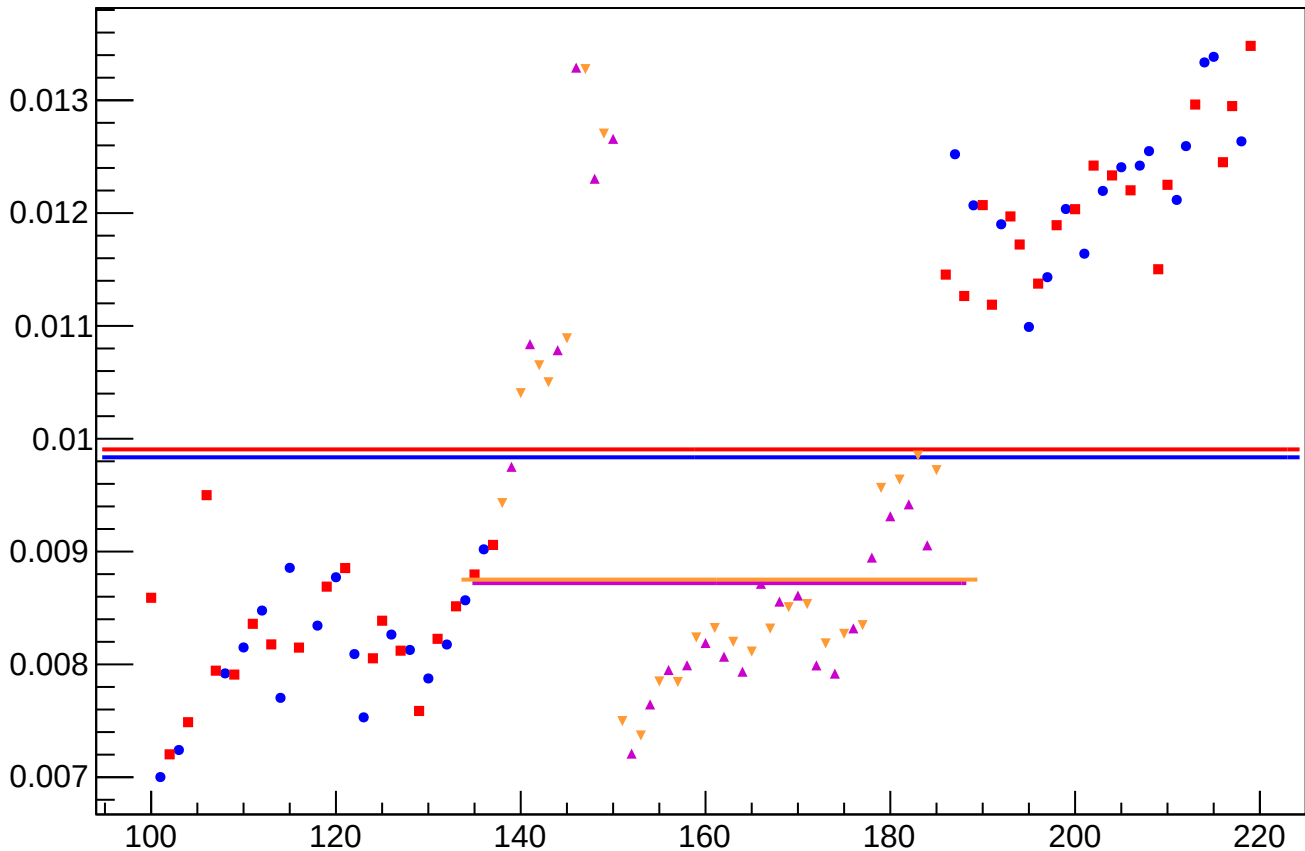
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.879+/-0.000 χ^2/NDF : 177238266306.8/57

All: -2.900+/-0.000 χ^2/NDF : 344558850511.9

- sign -2.921+/-0.000 χ^2/NDF : 166977726210.0/59

yield_bpm0i02Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1606081.4/32

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:663672.8/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1547031.4/36

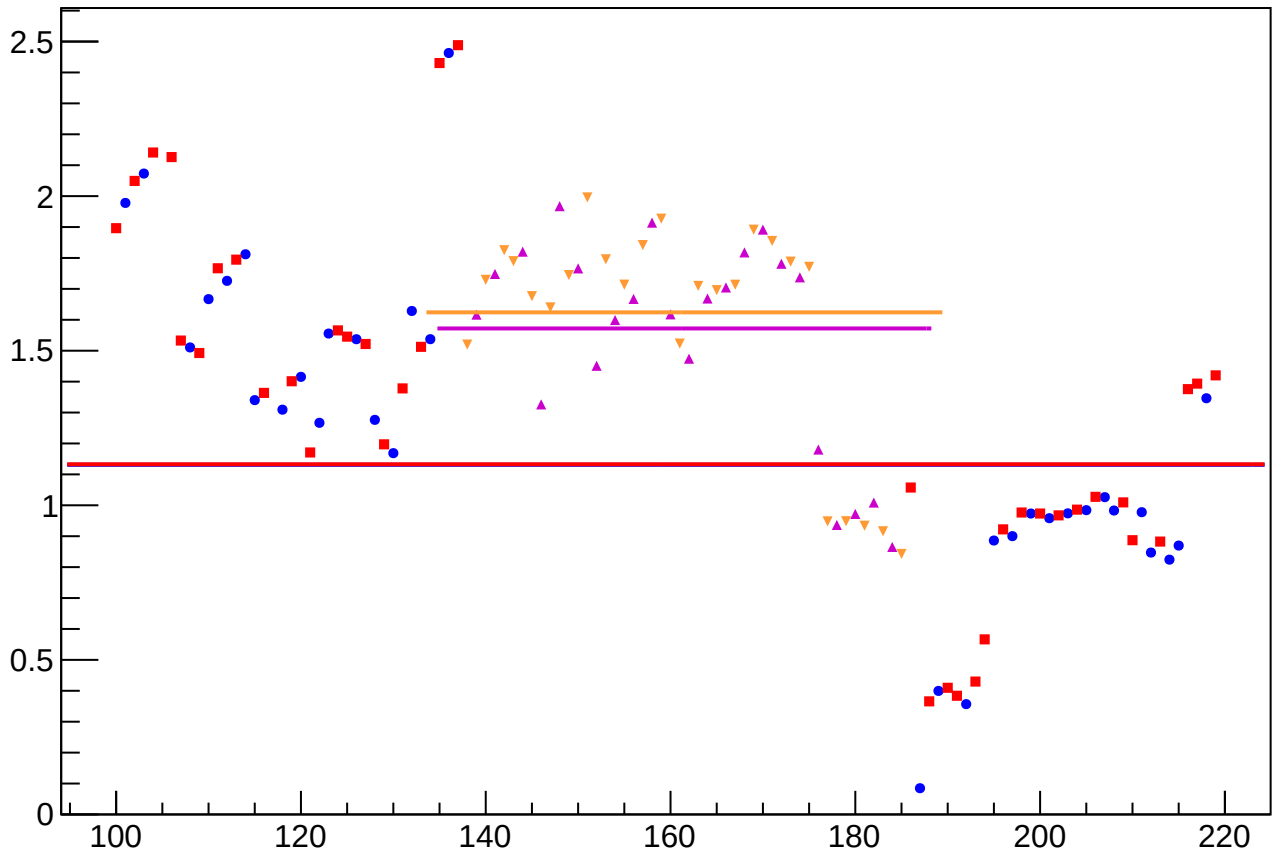
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:747867.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2502205.2/57

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 5077140.2/117

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2574137.4/59

yield_bpm0i02aX_mean vs Slug



Right In: 1.131 $\pm$ 0.000 χ^2 /NDF: 29059728930.0/32

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 16631112386.4/24

Right Out: 1.133 $\pm$ 0.000 χ^2 /NDF: 34094940967.6/36

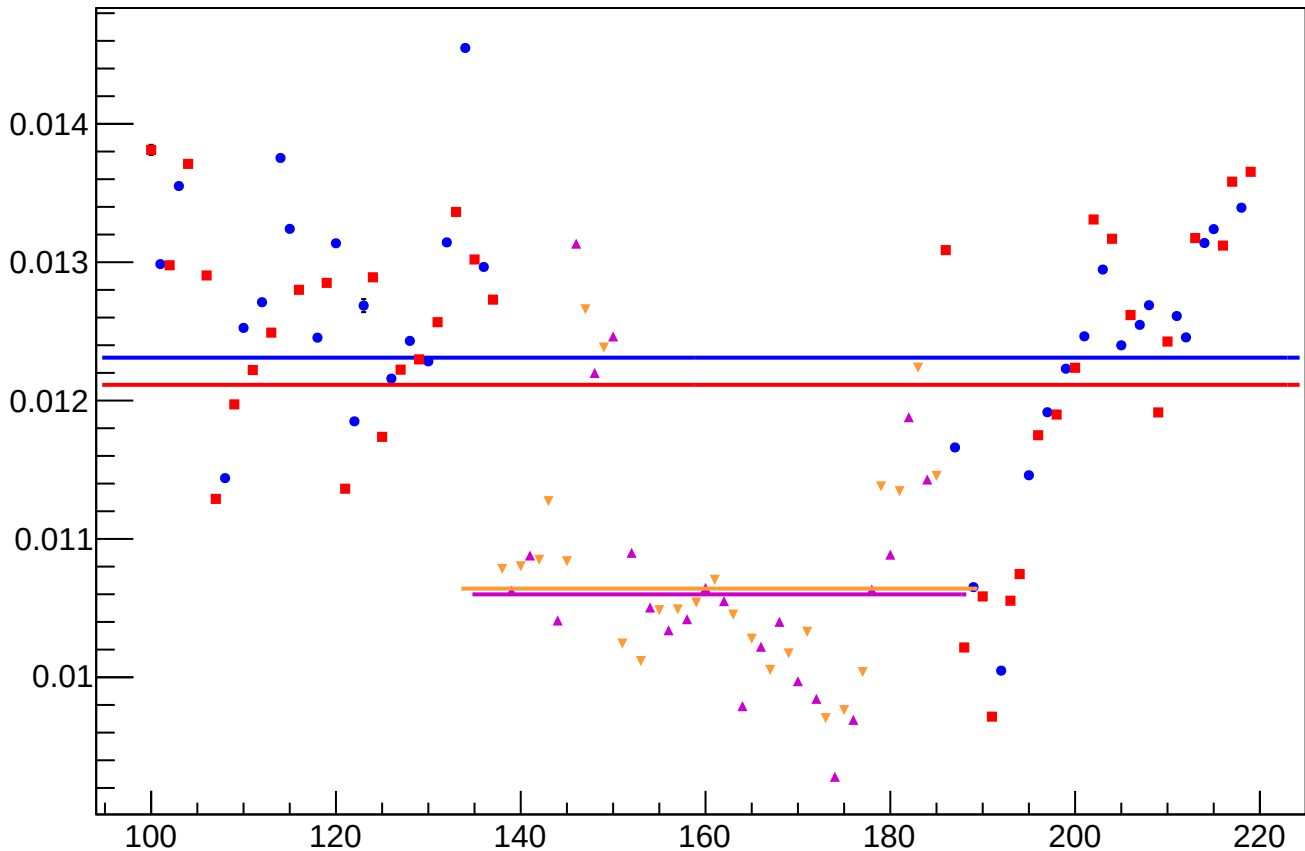
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.412 $\pm$ 0.000 χ^2 /NDF: 61977490698.9/57

All: 1.390 $\pm$ 0.000 χ^2 /NDF: 123865467148.8

- sign 1.367 $\pm$ 0.000 χ^2 /NDF: 61608503985.2/59

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 197326.8/32

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 295616.5/36

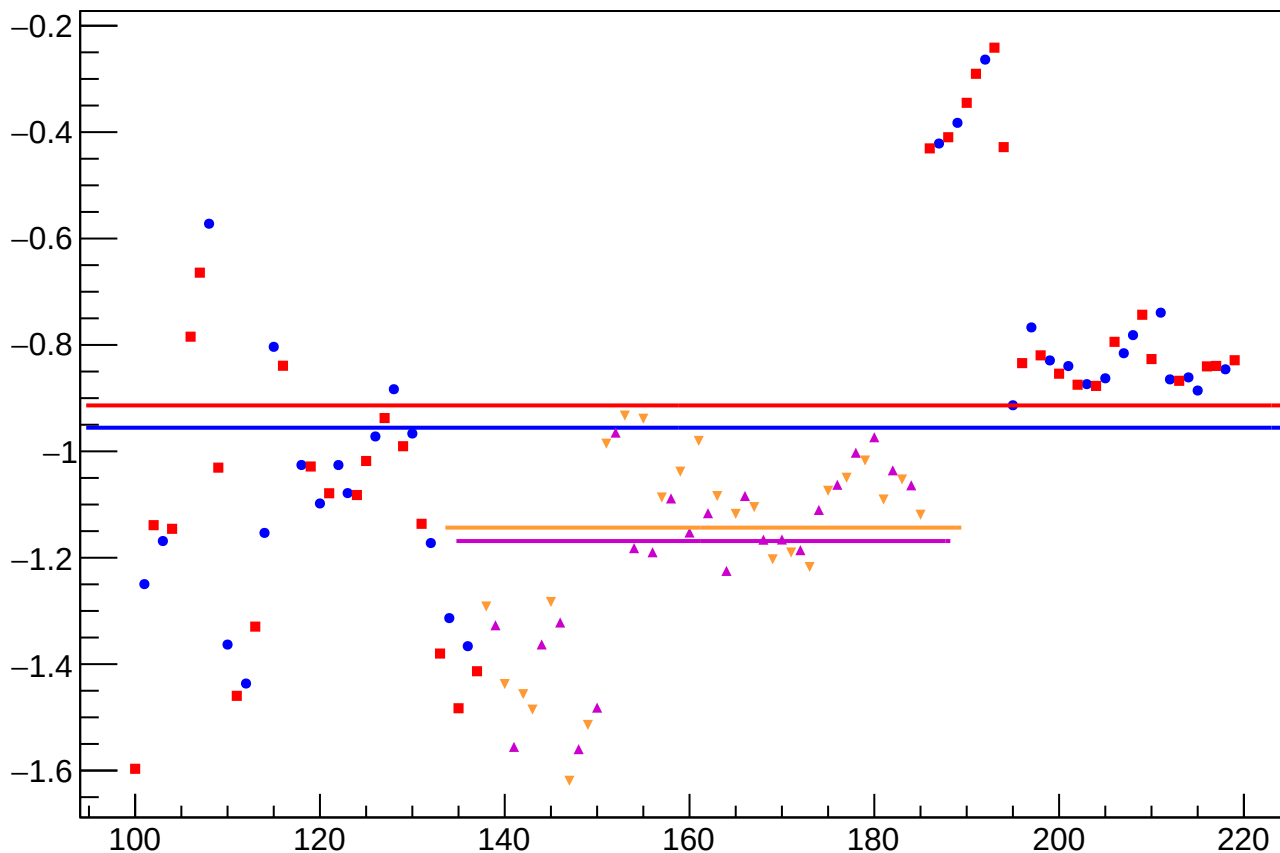
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 730329.1/57

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1546968.1/117

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 815872.6/59

yield_bpm0i02aY_mean vs Slug



Right In: -0.956 ± 0.000 $\chi^2/\text{NDF}: 11544832475.1/32$

Left Out: -1.143 ± 0.000 $\chi^2/\text{NDF}: 7976364534.0/24$

Right Out: -0.914 ± 0.000 $\chi^2/\text{NDF}: 16168541873.8/36$

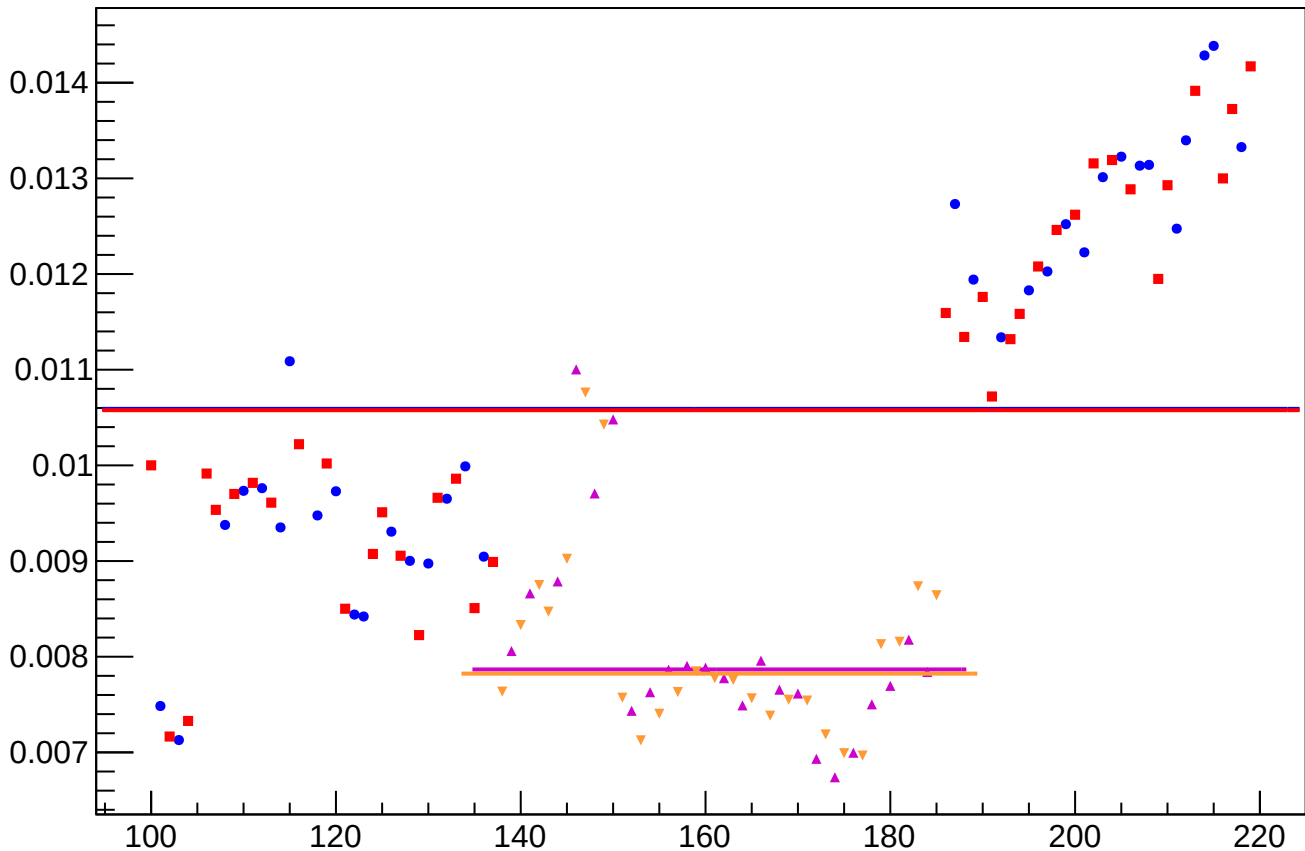
Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

+ sign -1.077 ± 0.000 $\chi^2/\text{NDF}: 22991632569.7/57$

All: -1.074 ± 0.000 $\chi^2/\text{NDF}: 52052684894.6/100$

- sign -1.071 ± 0.000 $\chi^2/\text{NDF}: 29052245311.6/59$

yield_bpm0i02aY_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 1393604.5/32

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:336387.6/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 1348177.3/36

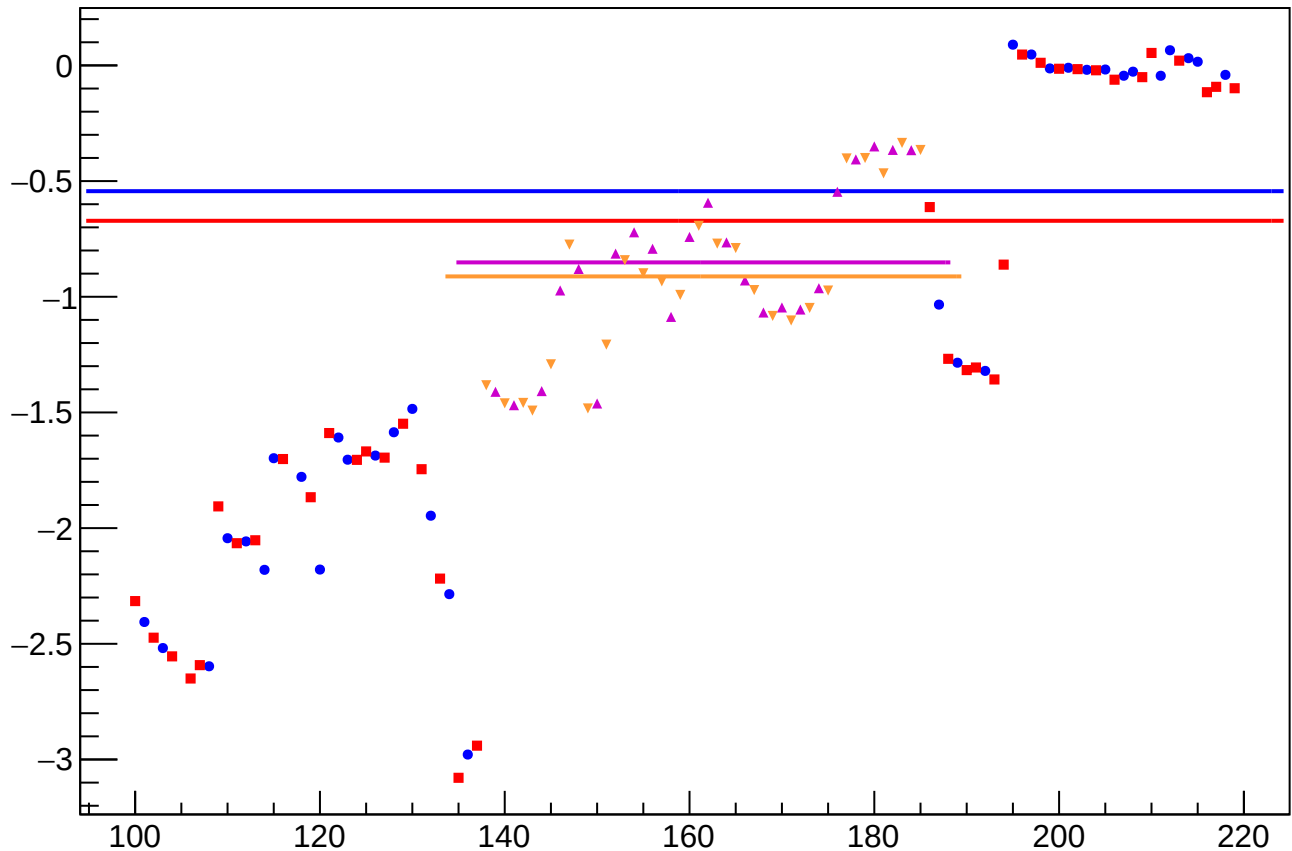
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:379901.3/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3236903.9/57

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6444193.1/117

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3202210.1/59

yield_bpm0i05X_mean vs Slug



Right In: -0.544 ± 0.000 χ^2/NDF : 412488208471.2/32

Left Out: -0.912 ± 0.000 χ^2/NDF : 49039425818.1/24

Right Out: -0.672 ± 0.000 χ^2/NDF : 445701793992.8/36

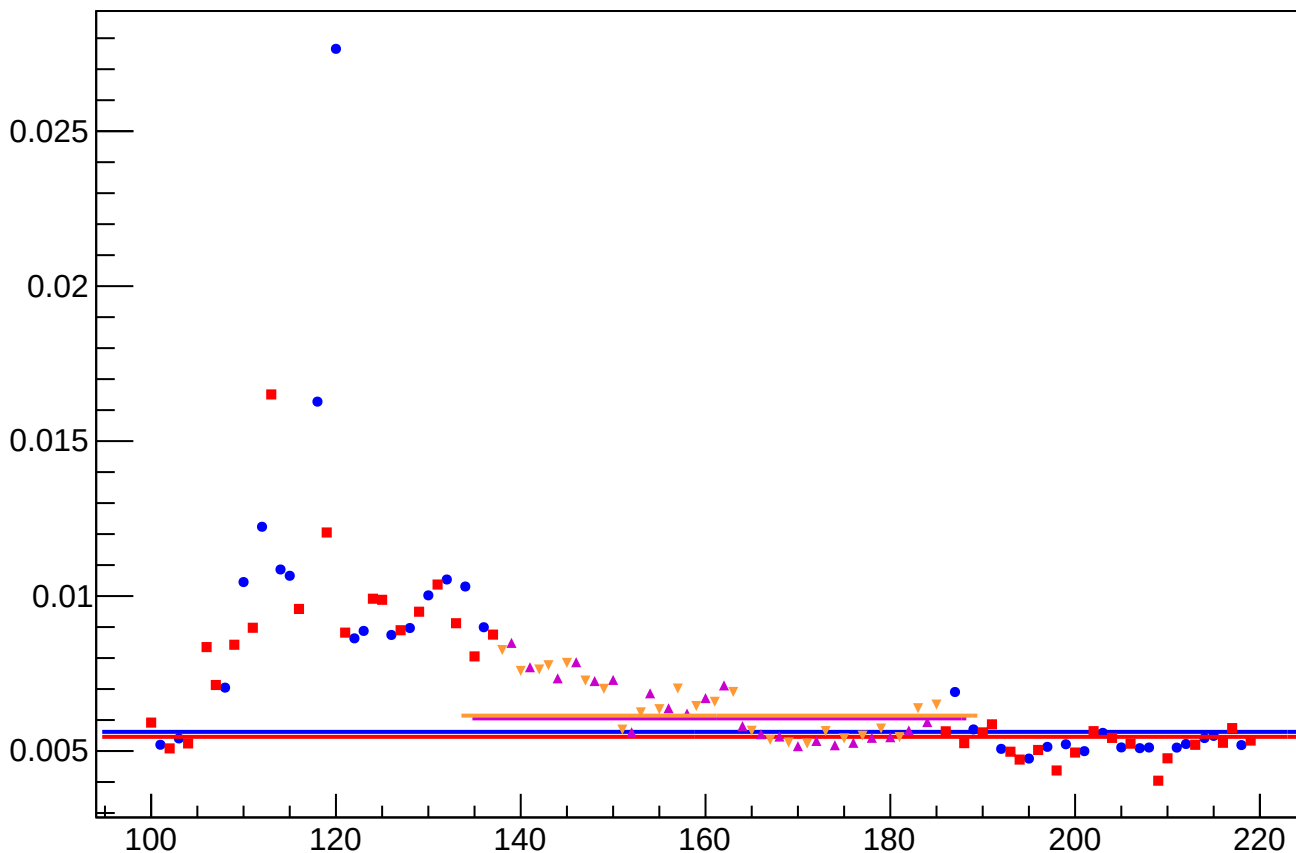
Left In: -0.851 ± 0.000 χ^2/NDF : 46438446008.2/22

+ sign -0.720 ± 0.000 χ^2/NDF : 493021004253.4/57

All: -0.736 ± 0.000 χ^2/NDF : 993489461490.2

- sign -0.751 ± 0.000 χ^2/NDF : 500016556444.1/59

yield_bpm0i05X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 2071330.6/32

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:637765.4/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 2135887.9/36

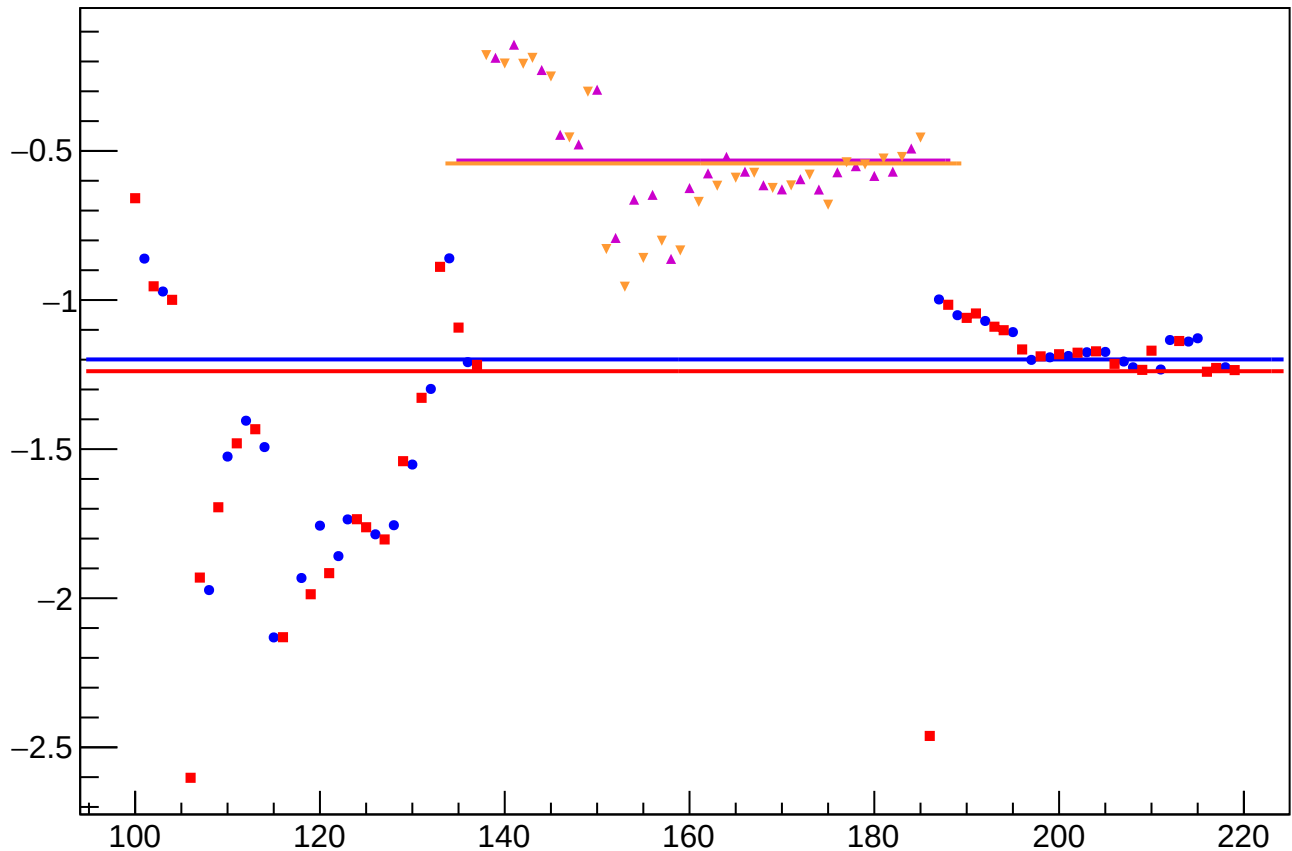
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:697577.8/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2836330.9/57

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 5863516.8/117

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 3005724.9/59

yield_bpm0i05Y_mean vs Slug



Right In: -1.199 ± 0.000 $\chi^2/\text{NDF}: 26945770728.2/32$

Left Out: -0.542 ± 0.000 $\chi^2/\text{NDF}: 47268284910.3/24$

Right Out: -1.239 ± 0.000 $\chi^2/\text{NDF}: 79547115749.9/36$

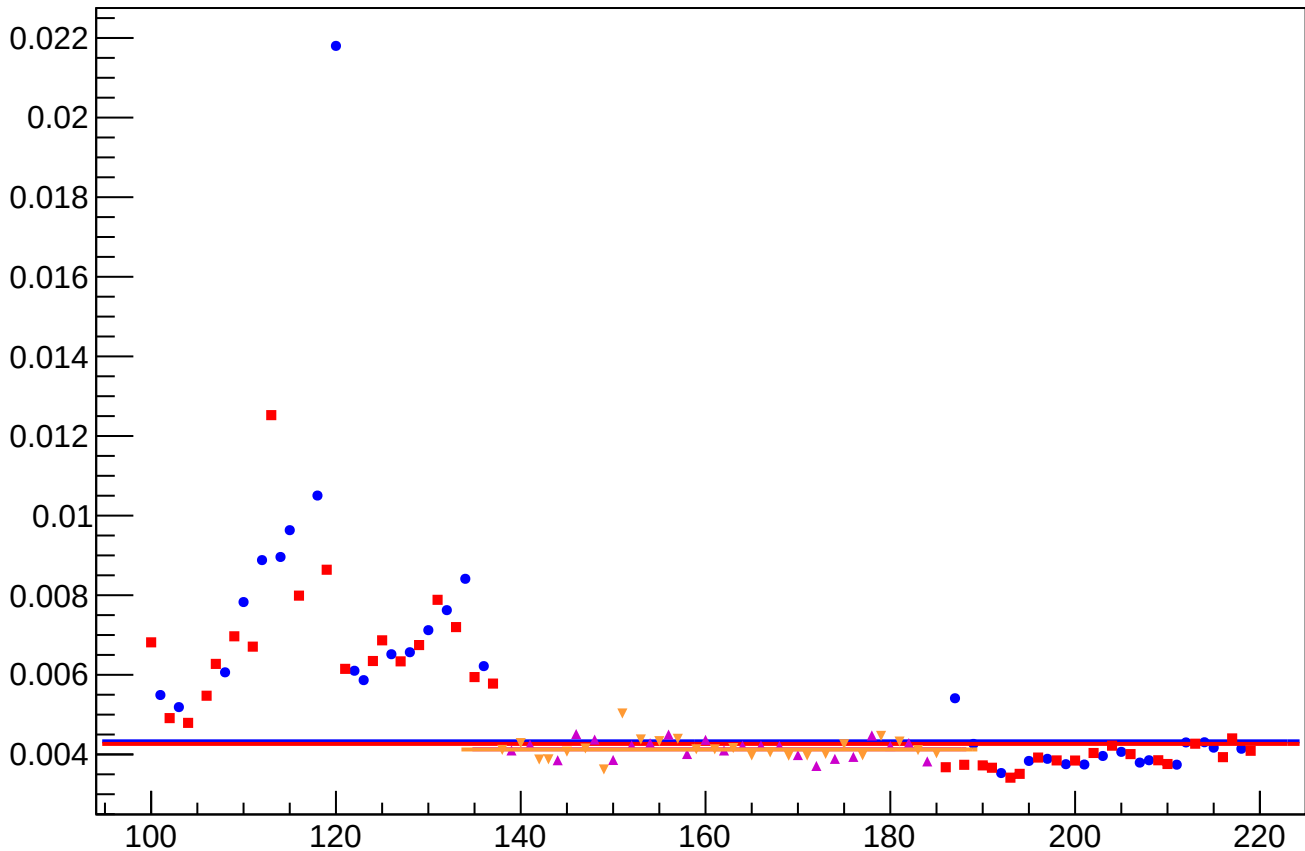
Left In: -0.532 ± 0.000 $\chi^2/\text{NDF}: 30715235426.8/22$

+ sign -0.838 ± 0.000 $\chi^2/\text{NDF}: 267428461742.9/57$

All: -0.859 ± 0.000 $\chi^2/\text{NDF}: 608831069179.8$

- sign -0.879 ± 0.000 $\chi^2/\text{NDF}: 339871937739.9/59$

yield_bpm0i05Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 2075199.3/32

Left Out: 0.004+/-0.000 χ^2/NDF :113033.9/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1902350.3/36

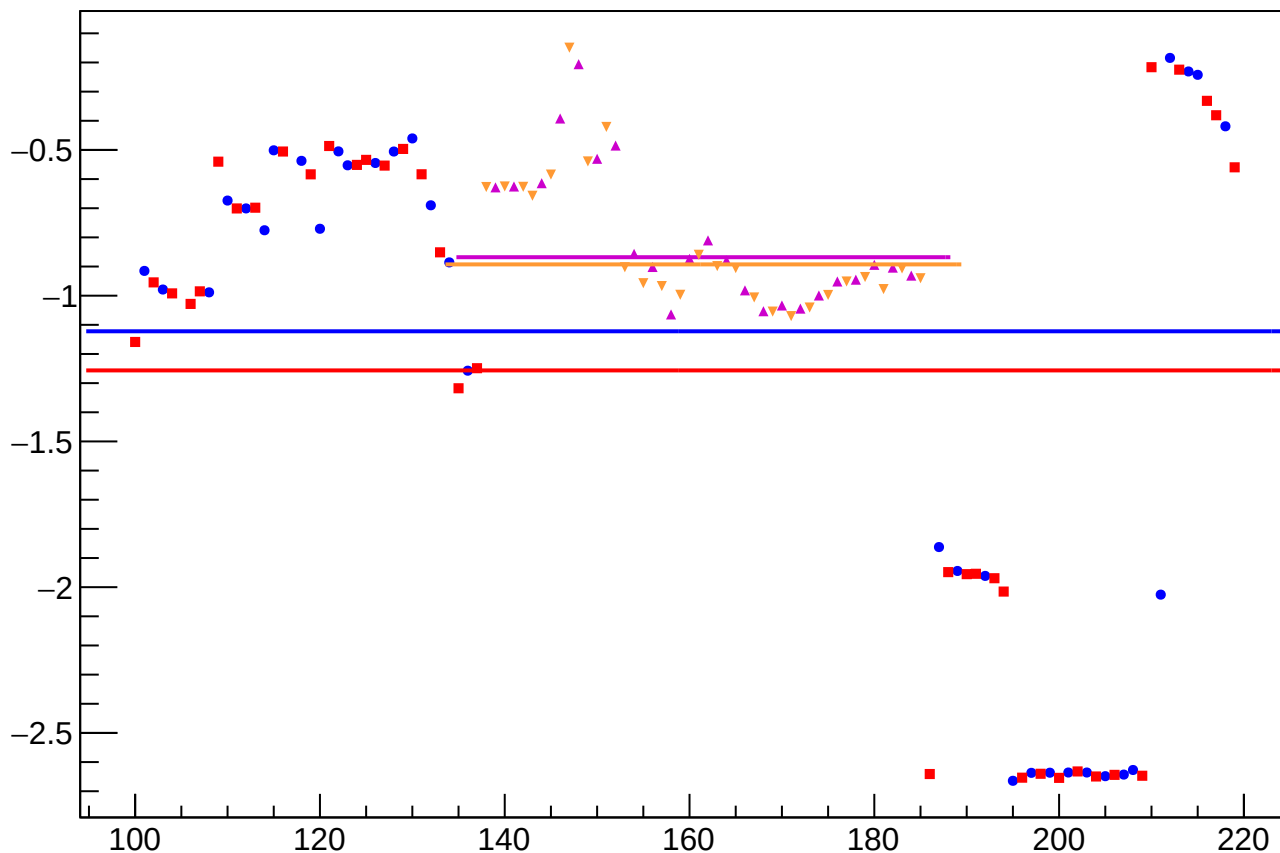
Left In: 0.004+/-0.000 χ^2/NDF :93111.2/22

+ sign 0.004+/-0.000 χ^2/NDF : 2225634.3/57

All: 0.004+/-0.000 χ^2/NDF : 4238617.1/117

- sign 0.004+/-0.000 χ^2/NDF : 2012206.2/59

yield_bpm0i07X_mean vs Slug



Right In: -1.122+/-0.000 χ^2 /NDF: 569234434250.7/32

Left Out: -0.893+/-0.000 χ^2 /NDF: 40787012603.8/24

Right Out: -1.256+/-0.000 χ^2 /NDF: 700344763819.6/36

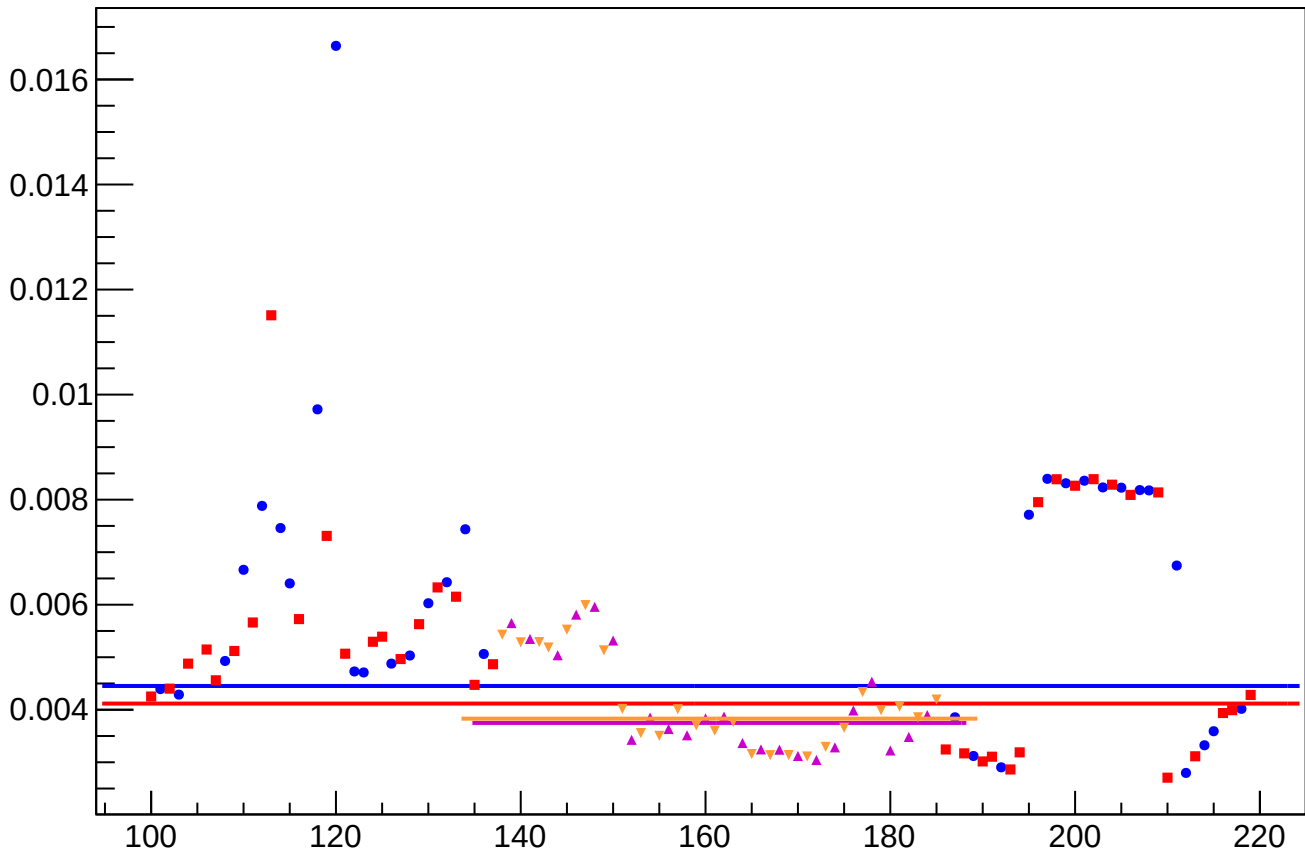
Left In: -0.868+/-0.000 χ^2 /NDF: 43853190177.2/22

+ sign -0.983+/-0.000 χ^2 /NDF: 633280986743.7/57

All: -1.015+/-0.000 χ^2 /NDF: 1457983158189

- sign -1.045+/-0.000 χ^2 /NDF: 820923237226.7/59

yield_bpm0i07X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 5081575.4/32

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 4719416.0/36

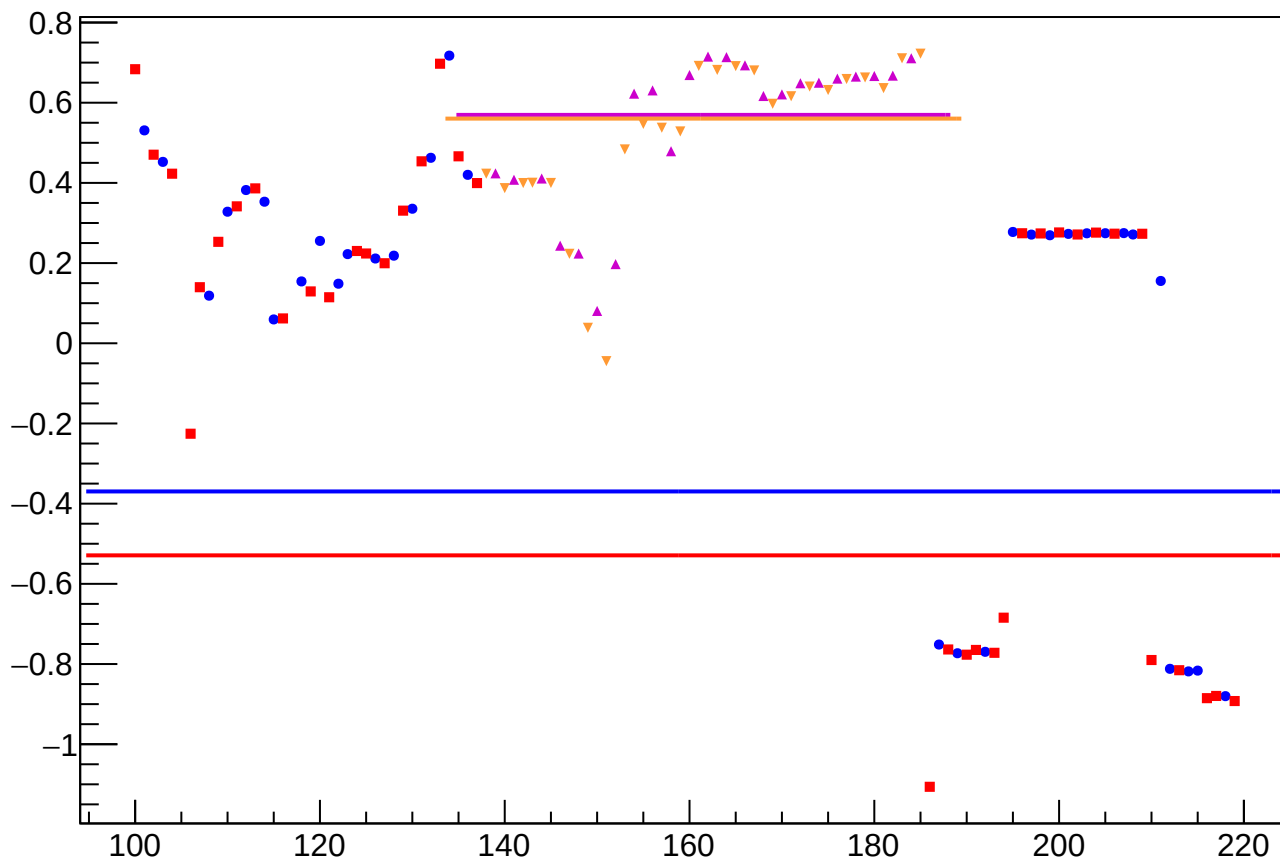
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6603060.7/57

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12797629.6/117

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6146023.5/59

yield_bpm0i07Y_mean vs Slug



Right In: -0.370 ± 0.000 χ^2/NDF : 511949684576.3/32

Left Out: 0.560 ± 0.000 χ^2/NDF : 45205806387.2/24

Right Out: -0.529 ± 0.000 χ^2/NDF : 627124633821.1/36

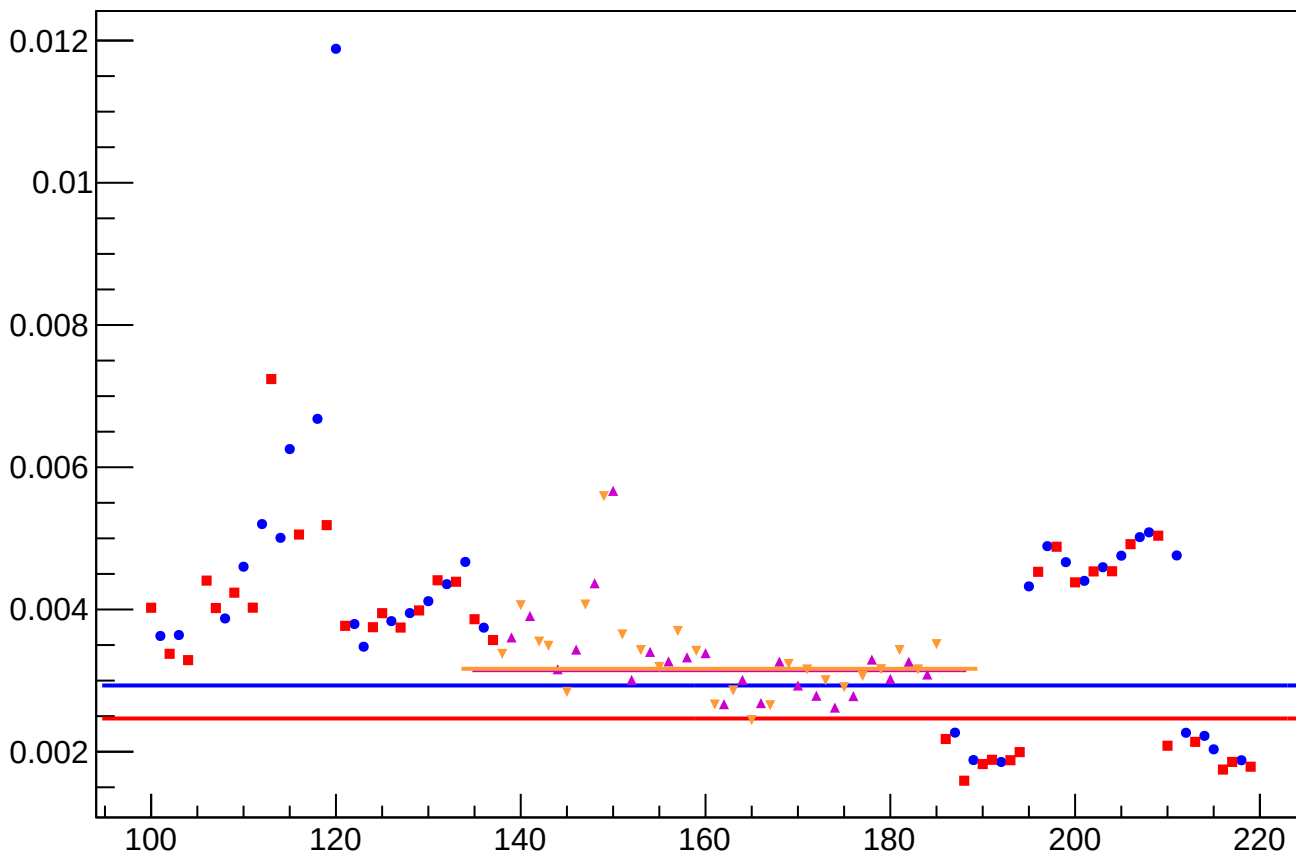
Left In: 0.570 ± 0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.088 ± 0.000 χ^2/NDF : 1267693047755.6/57

All: -0.017 ± 0.000 χ^2/NDF : 3153925428472

- sign -0.103 ± 0.000 χ^2/NDF : 1820186407257.1/59

yield_bpm0i07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 5082495.5/32

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 744886.7/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 5804421.3/36

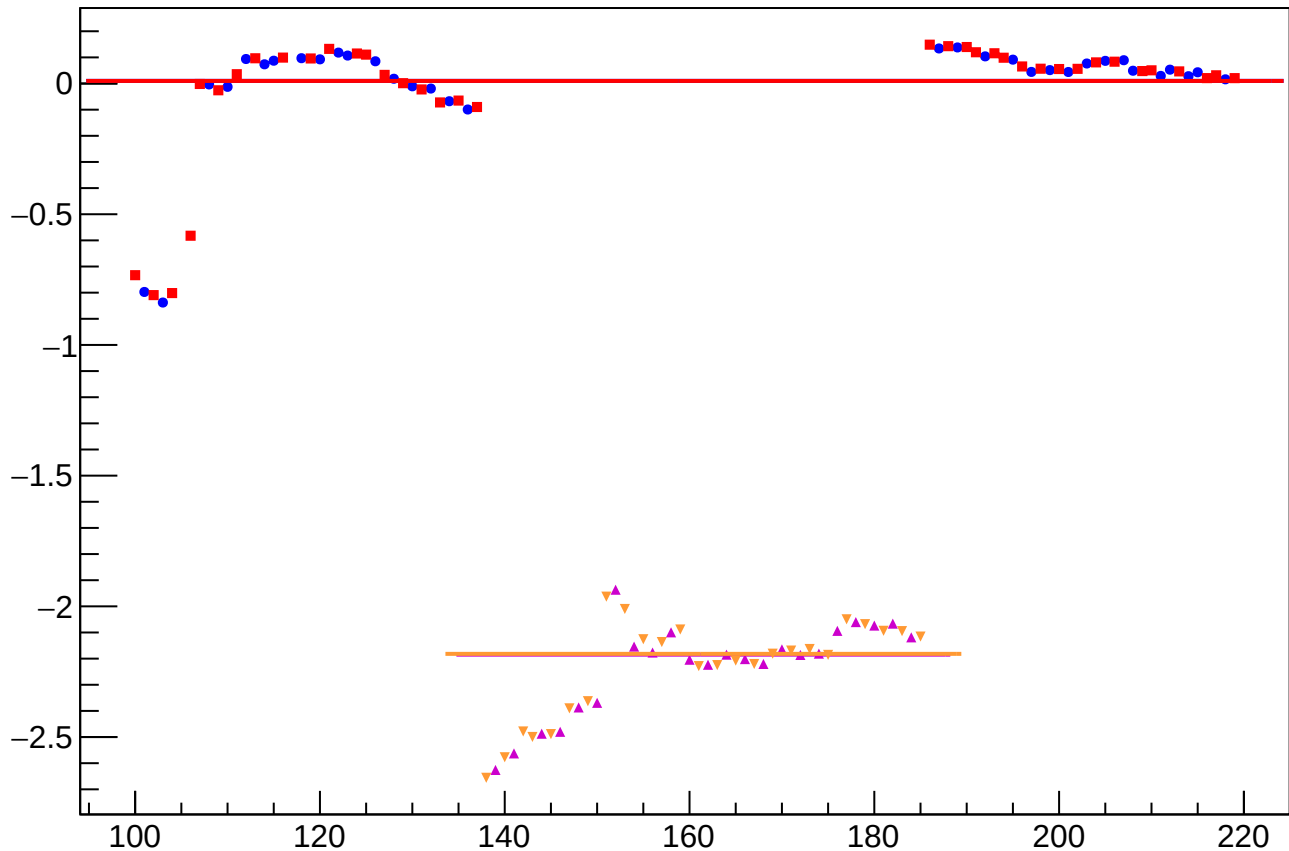
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 716402.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5917873.6/57

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 13680345.9/117

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 7400684.5/59

yield_bpm1i02X_mean vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 5917680447.7/32

Left Out: -2.182+/-0.000 χ^2/NDF : 4008829567.0/24

Right Out: 0.010+/-0.000 χ^2/NDF : 6987668240.9/36

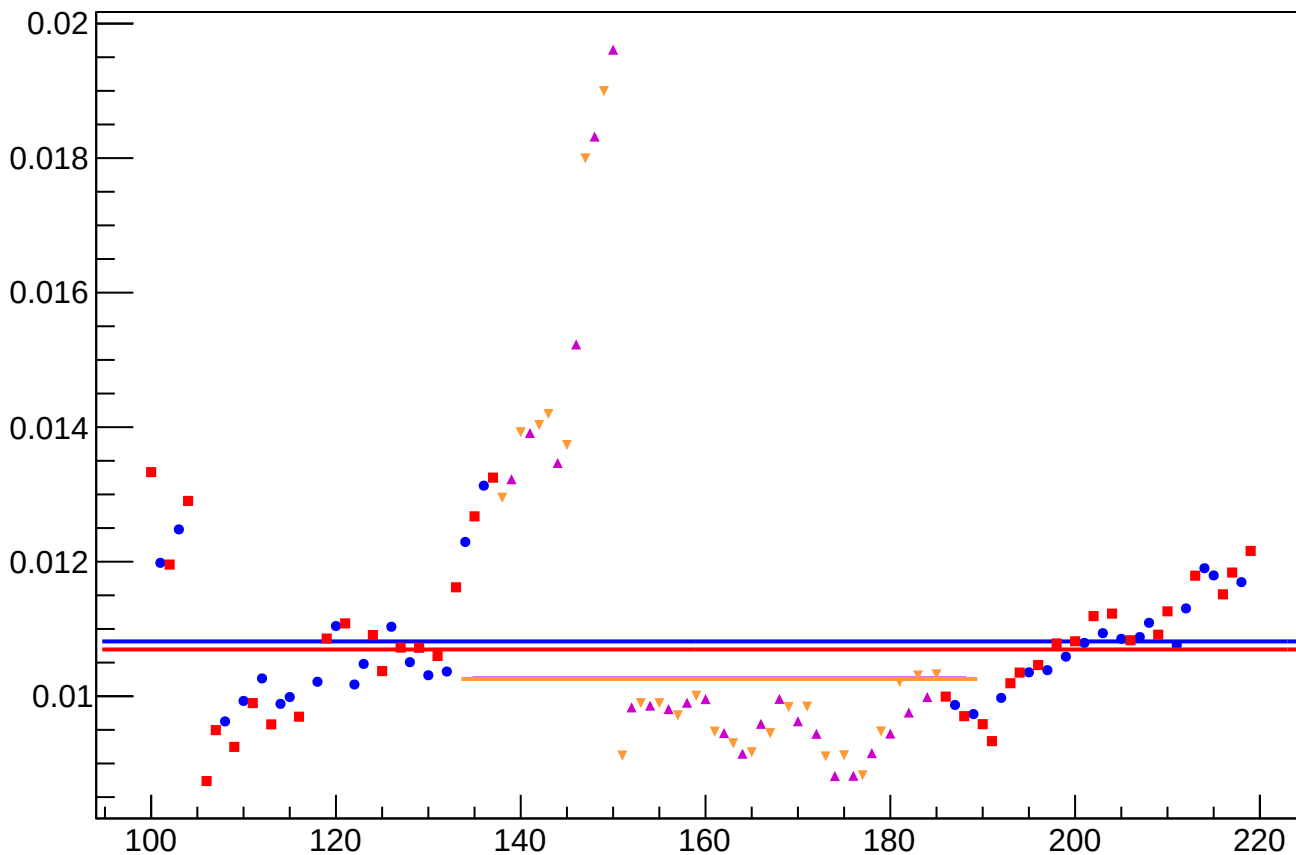
Left In: -2.185+/-0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.132+/-0.000 χ^2/NDF : 395883203355.5/57

All: -1.091+/-0.000 χ^2/NDF : 799121494499.3

- sign -1.051+/-0.000 χ^2/NDF : 402159293215.9/59

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 193204.1/32

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 295901.9/36

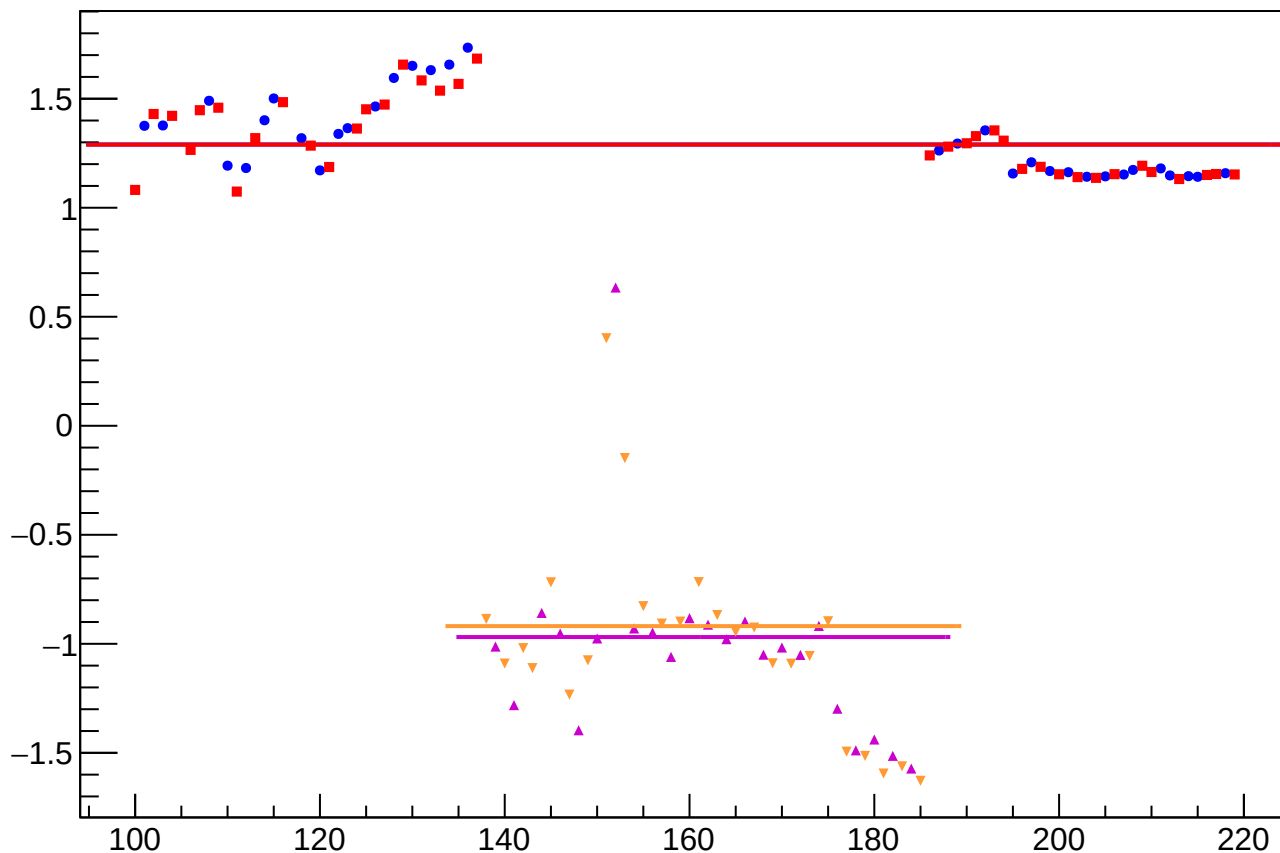
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 1513980.0/57

All: 0.011+/-0.000 χ^2/NDF : 3180760.8/117

- sign 0.010+/-0.000 χ^2/NDF : 1666347.7/59

yield_bpm1i02Y_mean vs Slug



Right In: 1.290 $\pm$ 0.000 χ^2 /NDF: 8773170576.0/32

Left Out: -0.919 $\pm$ 0.000 χ^2 /NDF: 55622252895.8/24

Right Out: 1.290 $\pm$ 0.000 χ^2 /NDF: 7108127082.9/36

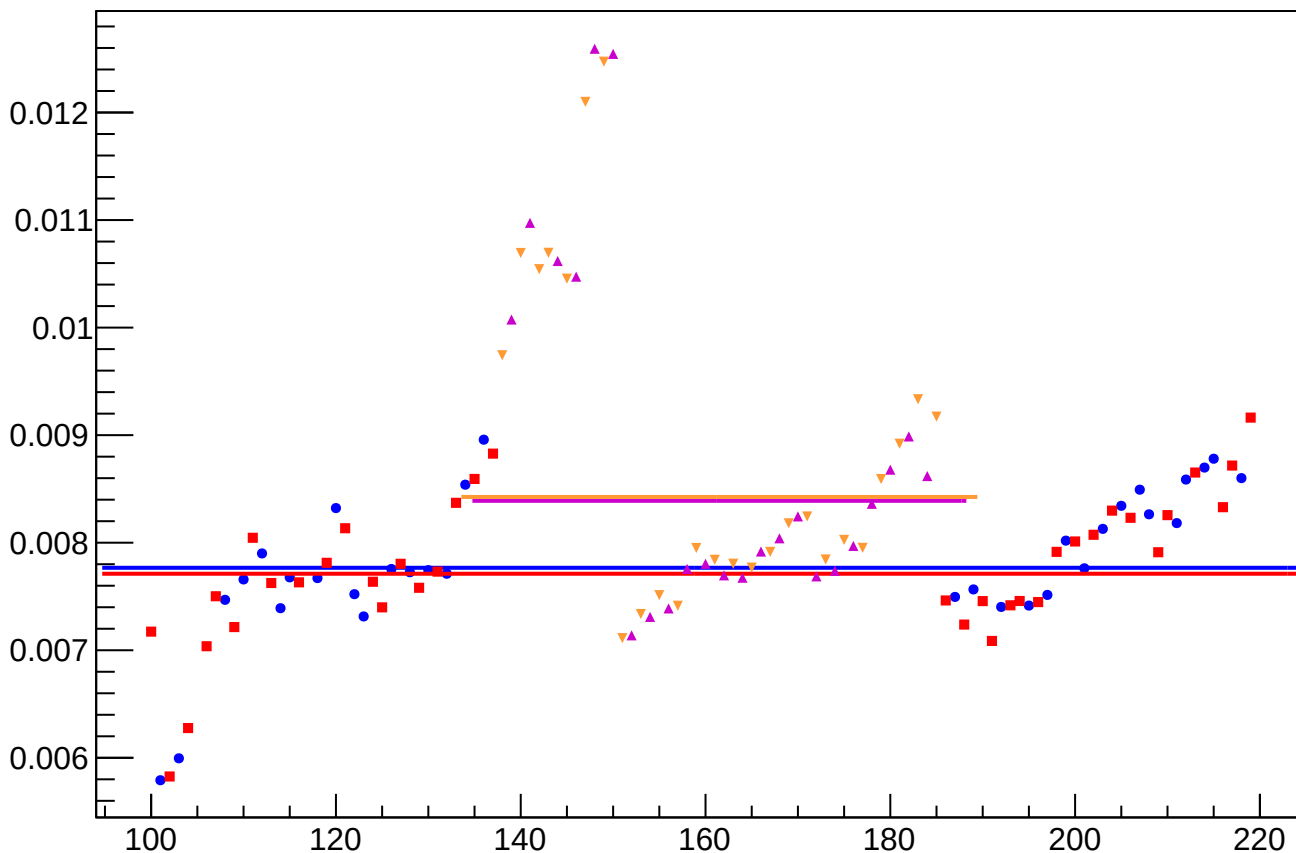
Left In: -0.969 $\pm$ 0.000 χ^2 /NDF: 54895002535.8/22

+ sign 0.277 $\pm$ 0.000 χ^2 /NDF: 730314582295.9/57

All: 0.304 $\pm$ 0.000 χ^2 /NDF: 1495982712992.0/100

- sign 0.331 $\pm$ 0.000 χ^2 /NDF: 764860660469.3/59

yield_bpm1i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 379548.7/32

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 792337.0/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 334916.0/36

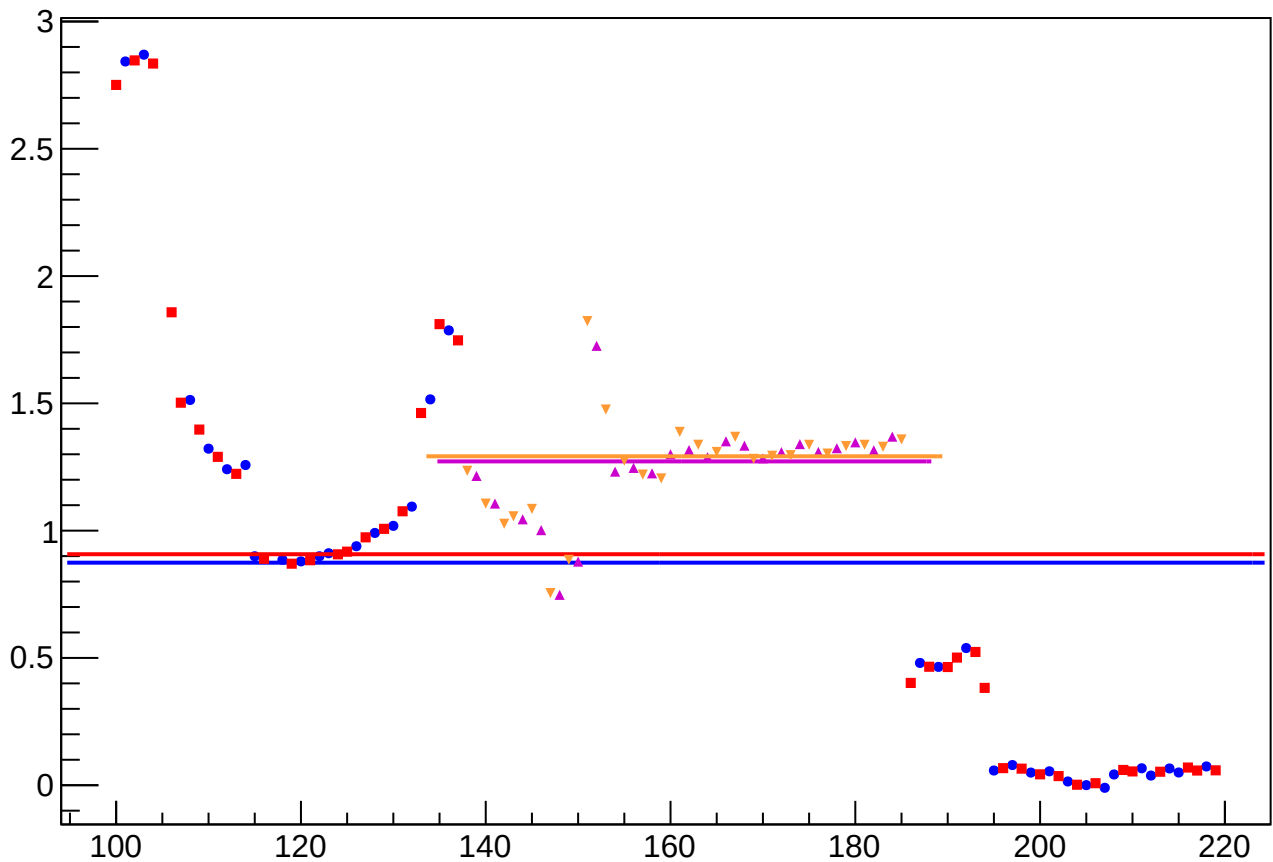
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1290300.7/57

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2594532.0/117

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1301524.9/59

yield_bpm1i04X_mean vs Slug



Right In: 0.874 $\pm$ 0.000 χ^2 /NDF: 146325066783.1/32

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

Right Out: 0.907 $\pm$ 0.000 χ^2 /NDF: 143885391023.8/36

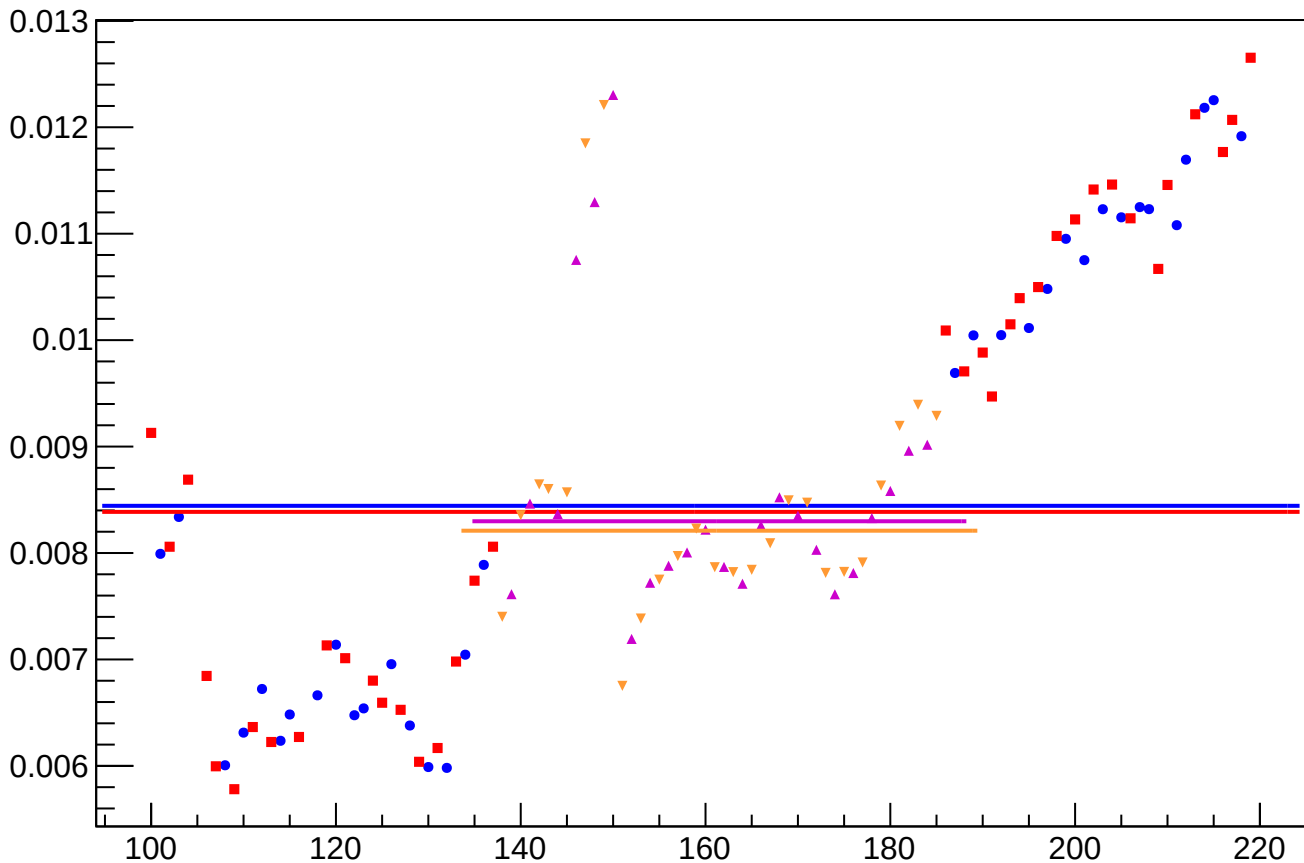
Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

+ sign 1.093 $\pm$ 0.000 χ^2 /NDF: 177466880199.3/57

All: 1.089 $\pm$ 0.000 χ^2 /NDF: 345611842595.5

- sign 1.084 $\pm$ 0.000 χ^2 /NDF: 168124642474.4/59

yield_bpm1i04X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 2281395.8/32

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:478864.9/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 2528779.4/36

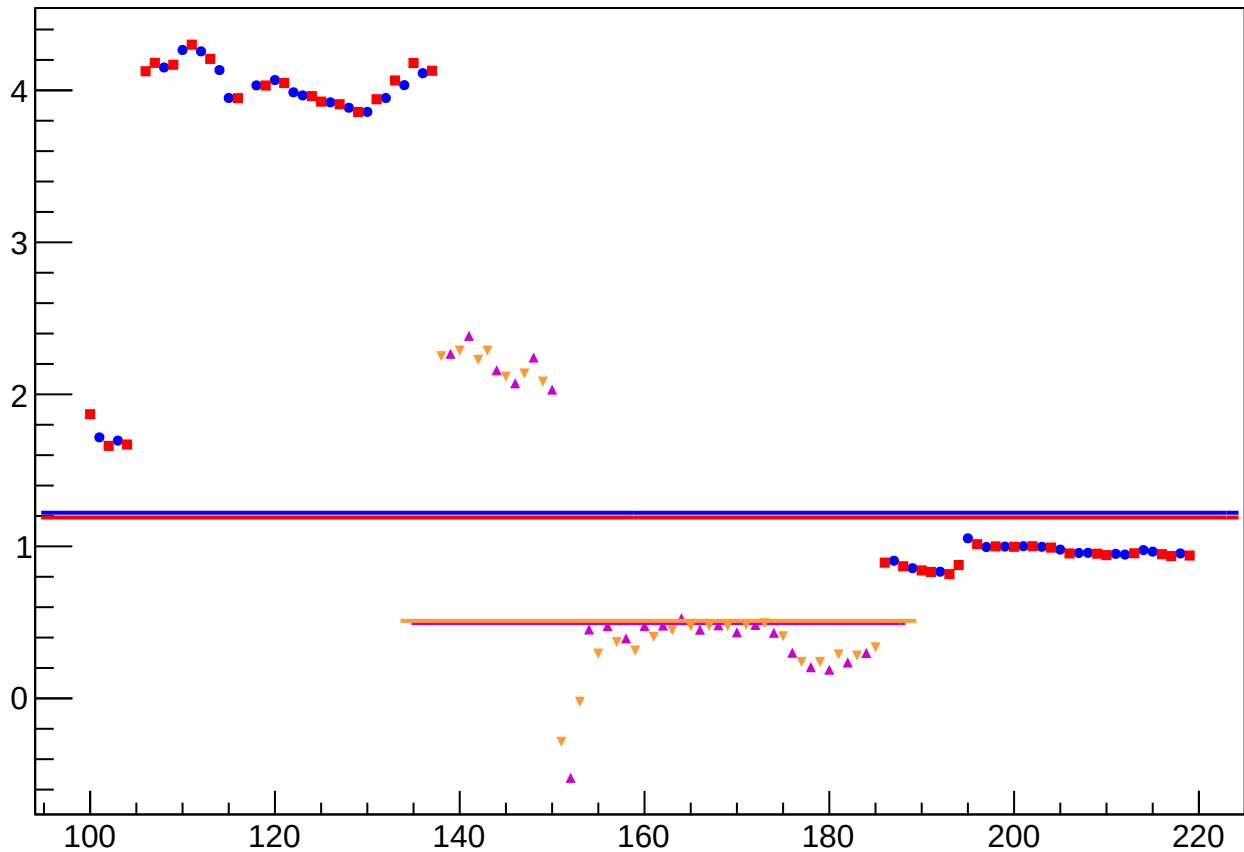
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2773926.3/57

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5766939.8/117

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2992750.2/59

yield_bpm1i04Y_mean vs Slug



Right In: 1.221 $\pm$ 0.000 χ^2 /NDF: 1542519421436.2/32

Left Out: 0.510 $\pm$ 0.000 χ^2 /NDF: 274818814912.4/24

Right Out: 1.190 $\pm$ 0.000 χ^2 /NDF: 1740677528416.0/36

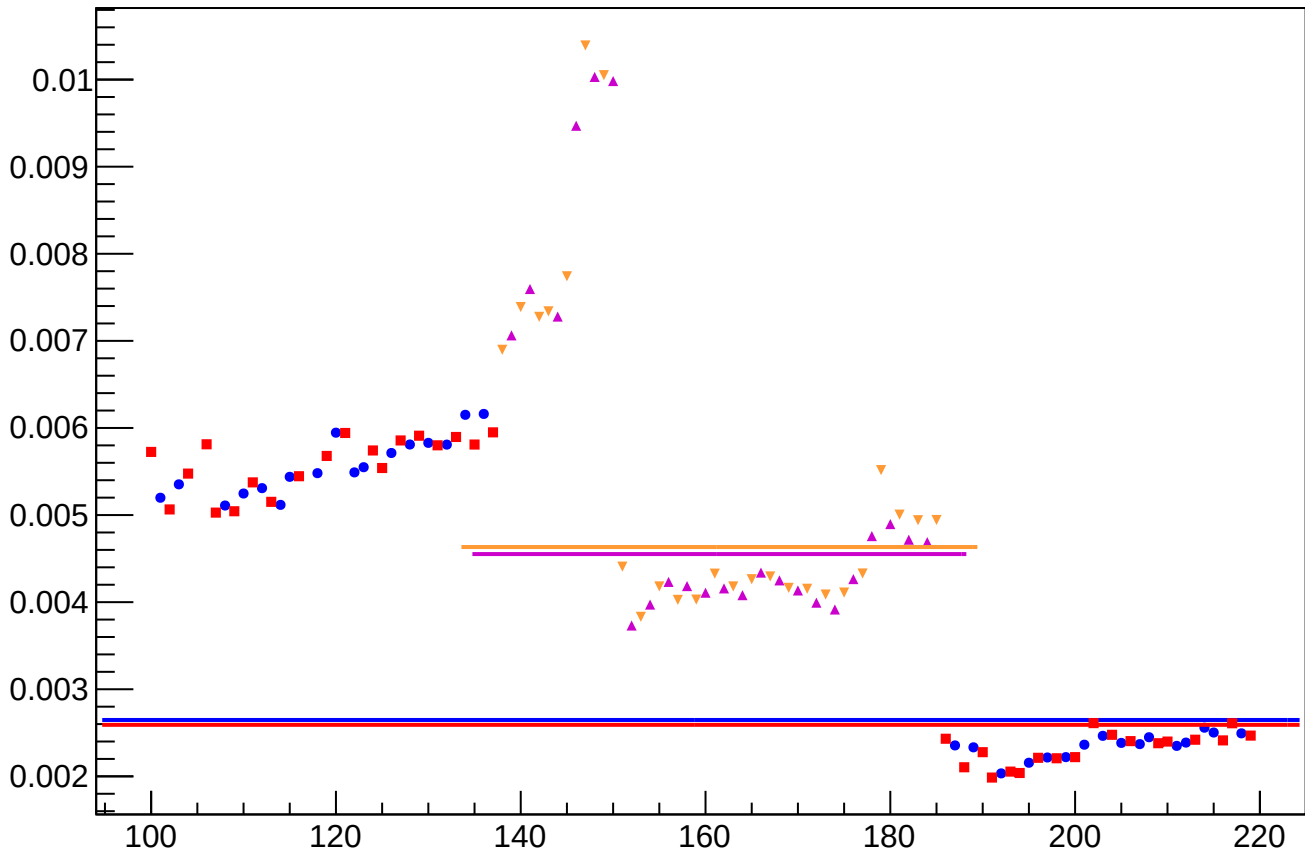
Left In: 0.495 $\pm$ 0.000 χ^2 /NDF: 268863202792.4/22

+ sign 1.034 $\pm$ 0.000 χ^2 /NDF: 2106987568347.6/57

All: 1.029 $\pm$ 0.000 χ^2 /NDF: 4395388197633.0

- sign 1.024 $\pm$ 0.000 χ^2 /NDF: 2288251227163.5/59

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4197147.8/32

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4485704.3/36

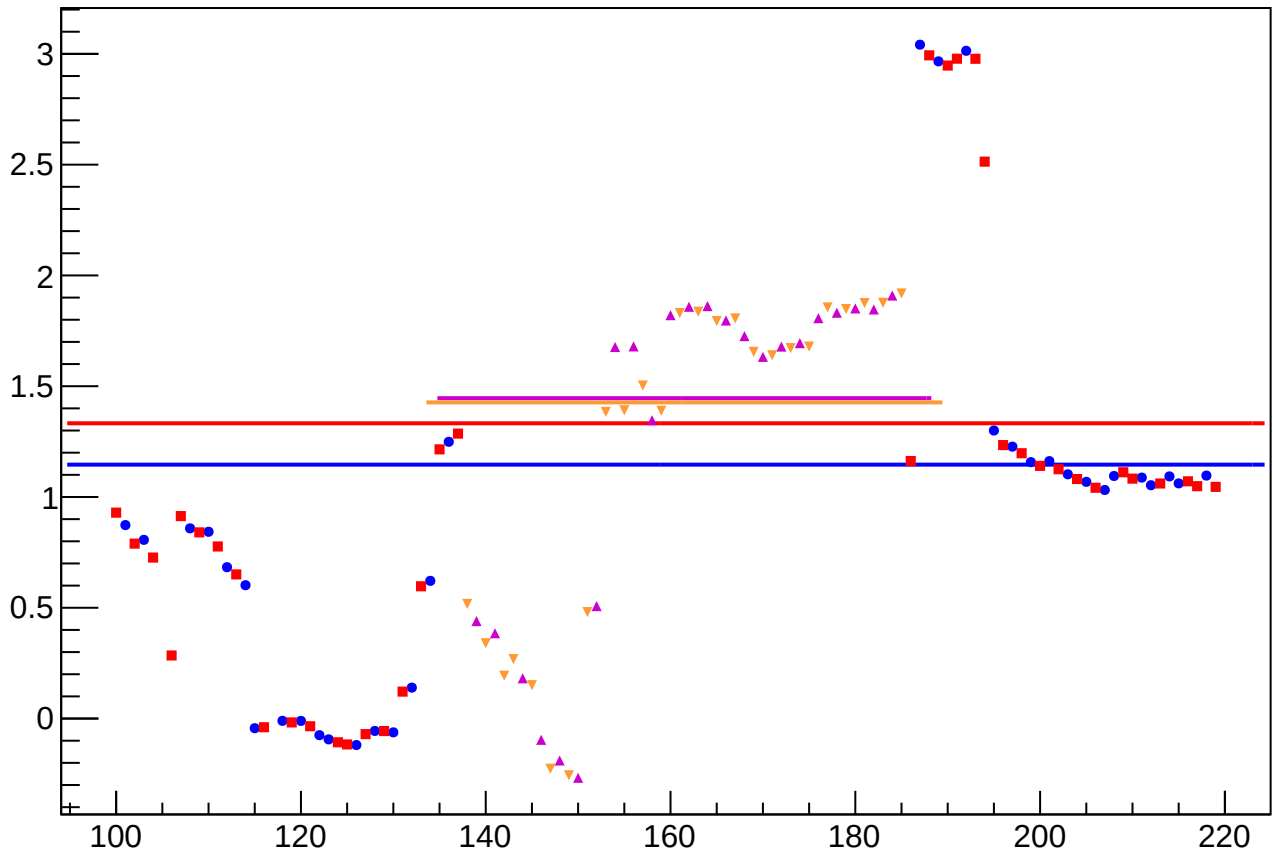
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 10825493.5/57

All: 0.003+/-0.000 χ^2/NDF : 22026833.3/117

- sign 0.003+/-0.000 χ^2/NDF : 11163393.0/59

yield_bpm1i06X_mean vs Slug



Right In: 1.146 $\pm$ 0.000 χ^2 /NDF: 72912361043.7/32

Left Out: 1.427 $\pm$ 0.000 χ^2 /NDF: 49990787038.3/24

Right Out: 1.333 $\pm$ 0.000 χ^2 /NDF: 102152121825.7/36

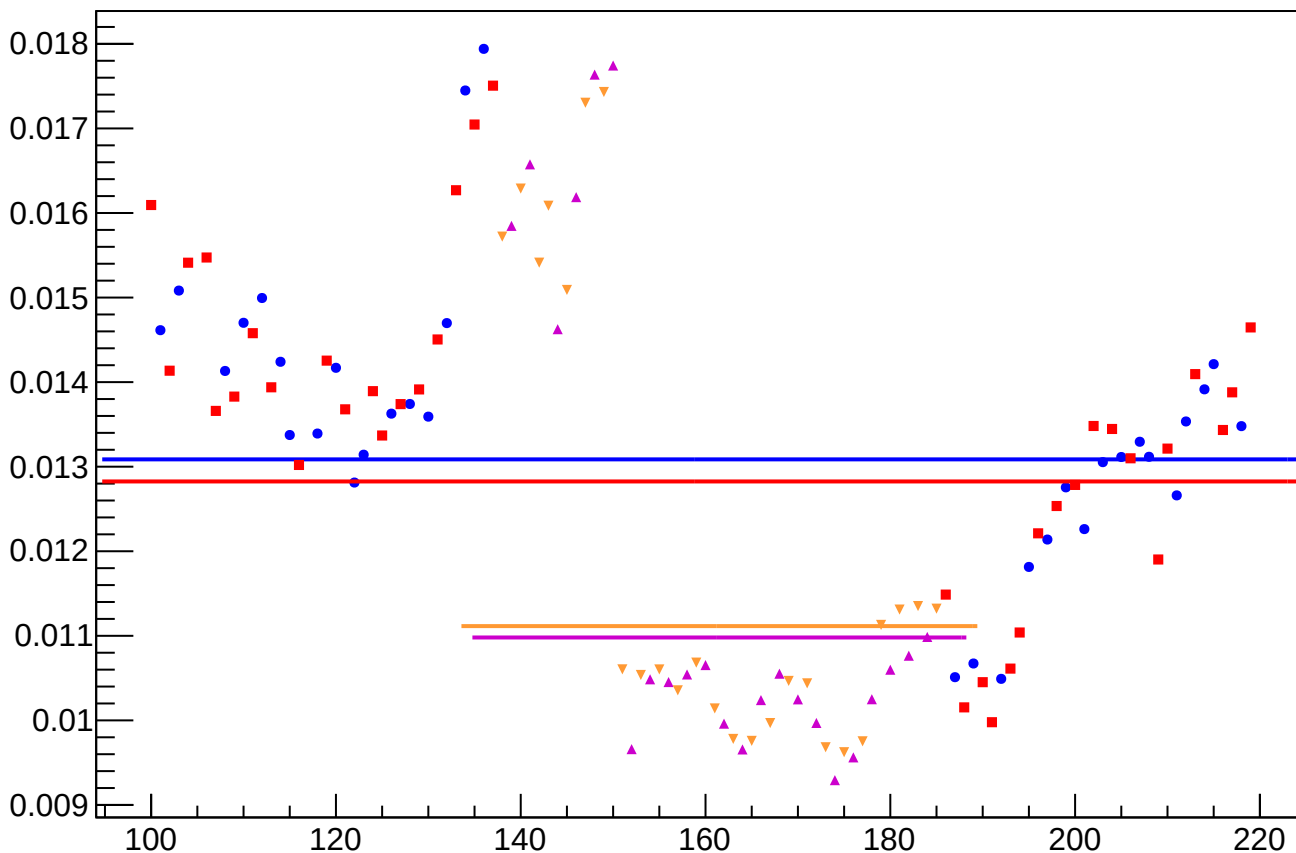
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.308 $\pm$ 0.000 χ^2 /NDF: 127645615354.7/57

All: 1.352 $\pm$ 0.000 χ^2 /NDF: 285279968045.9

- sign 1.394 $\pm$ 0.000 χ^2 /NDF: 156709857295.6/59

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 456322.8/32

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 622861.6/36

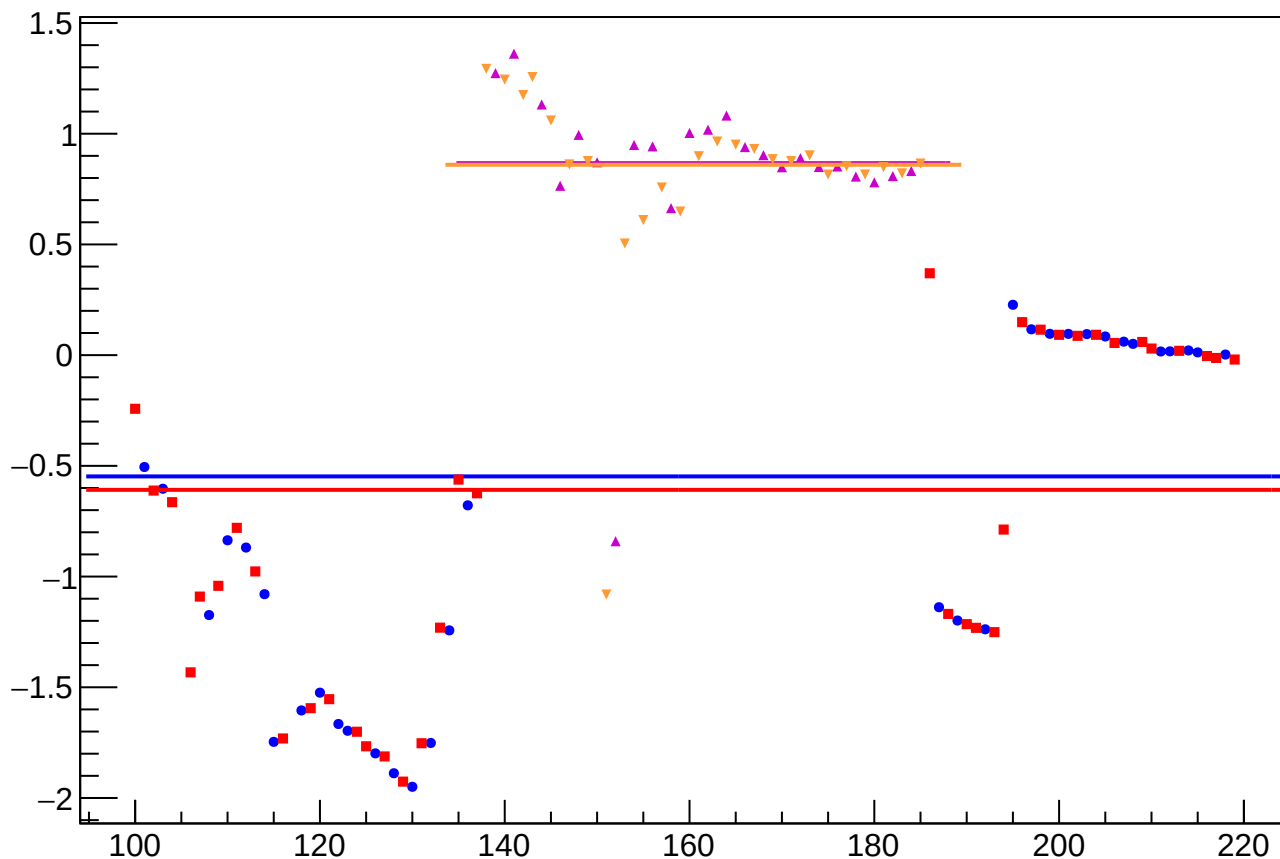
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 2150800.4/57

All: 0.012+/-0.000 χ^2/NDF : 4468650.6/117

- sign 0.012+/-0.000 χ^2/NDF : 2313862.8/59

yield_bpm1i06Y_mean vs Slug



Right In: -0.548+/-0.000 χ^2 /NDF: 203932267464.2/32

Left Out: 0.860+/-0.000 χ^2 /NDF:126335891175.4/24

Right Out: -0.608+/-0.000 χ^2 /NDF: 195383007382.3/36

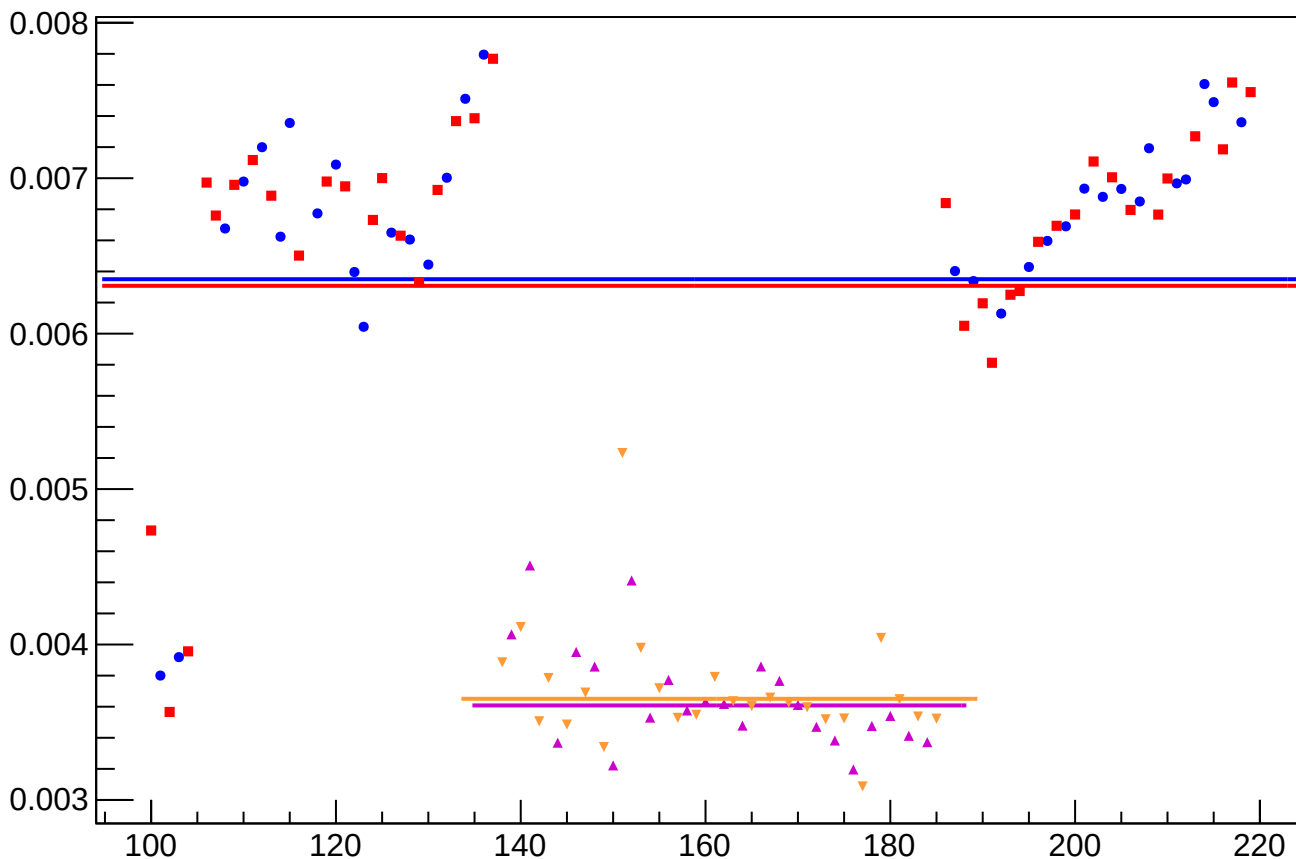
Left In: 0.867+/-0.000 χ^2 /NDF:147039402944.6/22

+ sign 0.508+/-0.000 χ^2 /NDF: 951199043203.9/57

All: 0.486+/-0.000 χ^2 /NDF: 2011640924807.

- sign 0.465+/-0.000 χ^2 /NDF: 1058900960271.7/59

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1171288.0/32

Left Out: 0.004+/-0.000 χ^2/NDF : 237262.6/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1271155.4/36

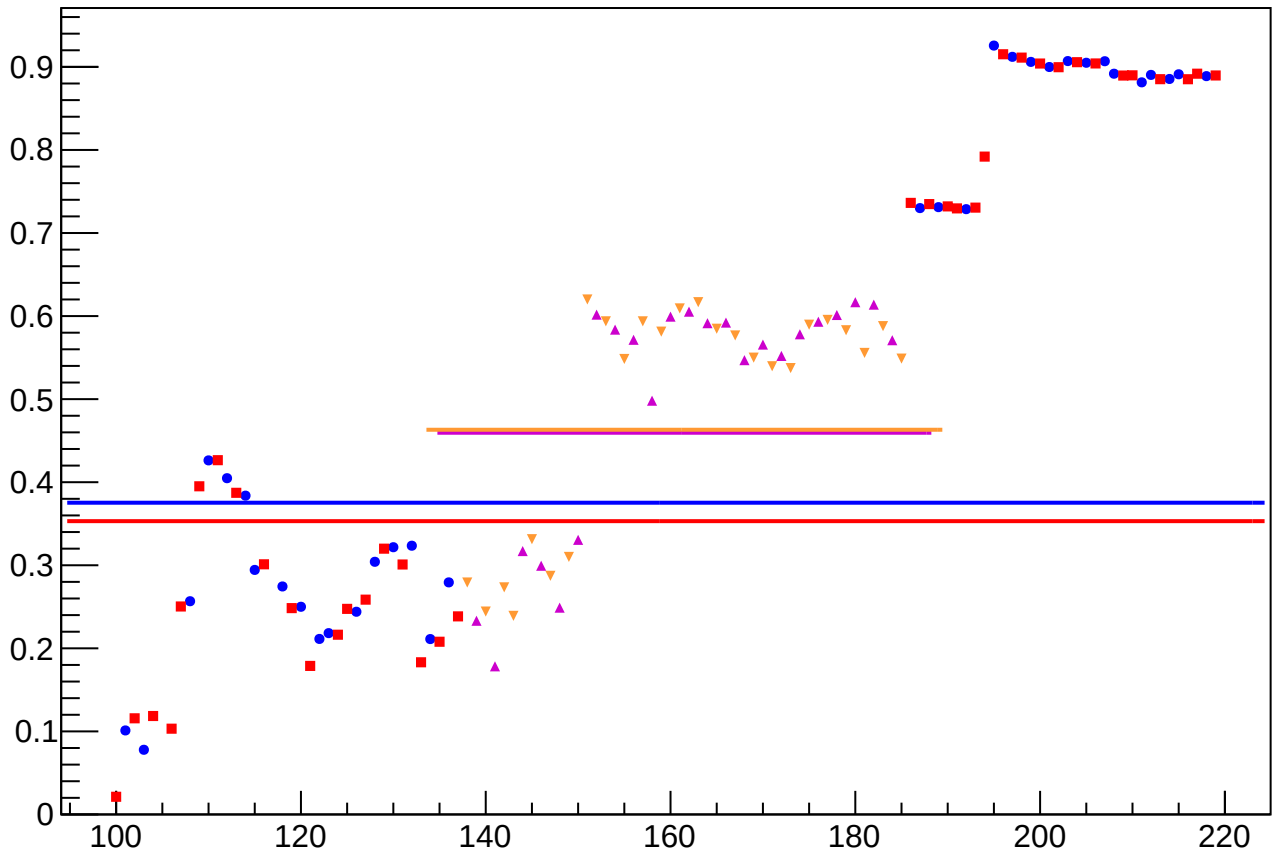
Left In: 0.004+/-0.000 χ^2/NDF : 227861.4/22

+ sign 0.004+/-0.000 χ^2/NDF : 5975861.9/57

All: 0.004+/-0.000 χ^2/NDF : 12272134.2/117

- sign 0.004+/-0.000 χ^2/NDF : 6295711.5/59

yield_bpm2i01X_mean vs Slug



Right In: 0.375 $\pm$ 0.000 χ^2 /NDF: 203834050871.9/32

Left Out: 0.463 $\pm$ 0.000 χ^2 /NDF: 102506270538.7/24

Right Out: 0.353 $\pm$ 0.000 χ^2 /NDF: 221247279862.7/36

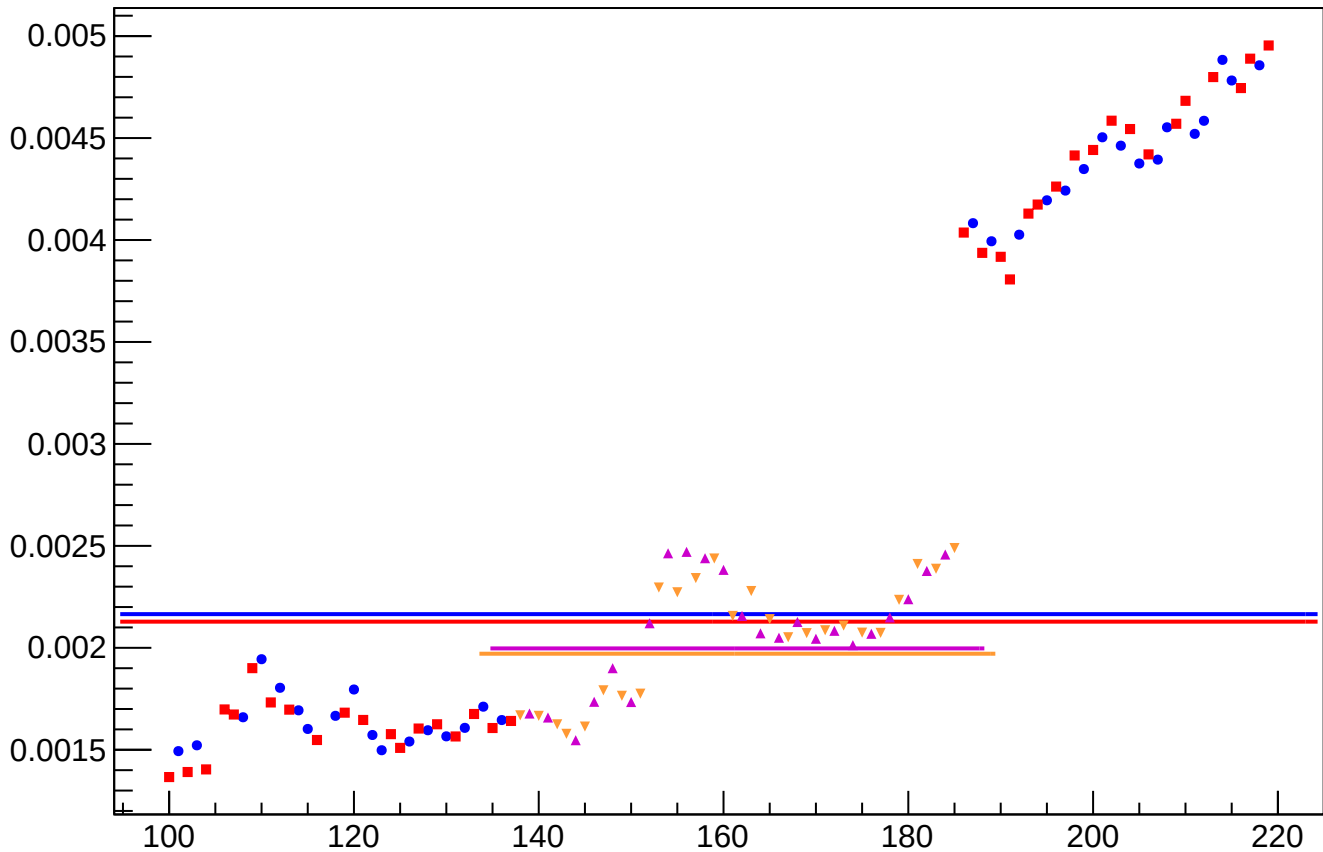
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF: 104559088628.4/22

+ sign 0.428 $\pm$ 0.000 χ^2 /NDF: 320407464871.2/57

All: 0.420 $\pm$ 0.000 χ^2 /NDF: 668307517749.1

- sign 0.412 $\pm$ 0.000 χ^2 /NDF: 346933939067.2/59

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 7486262.3/32

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 8287830.4/36

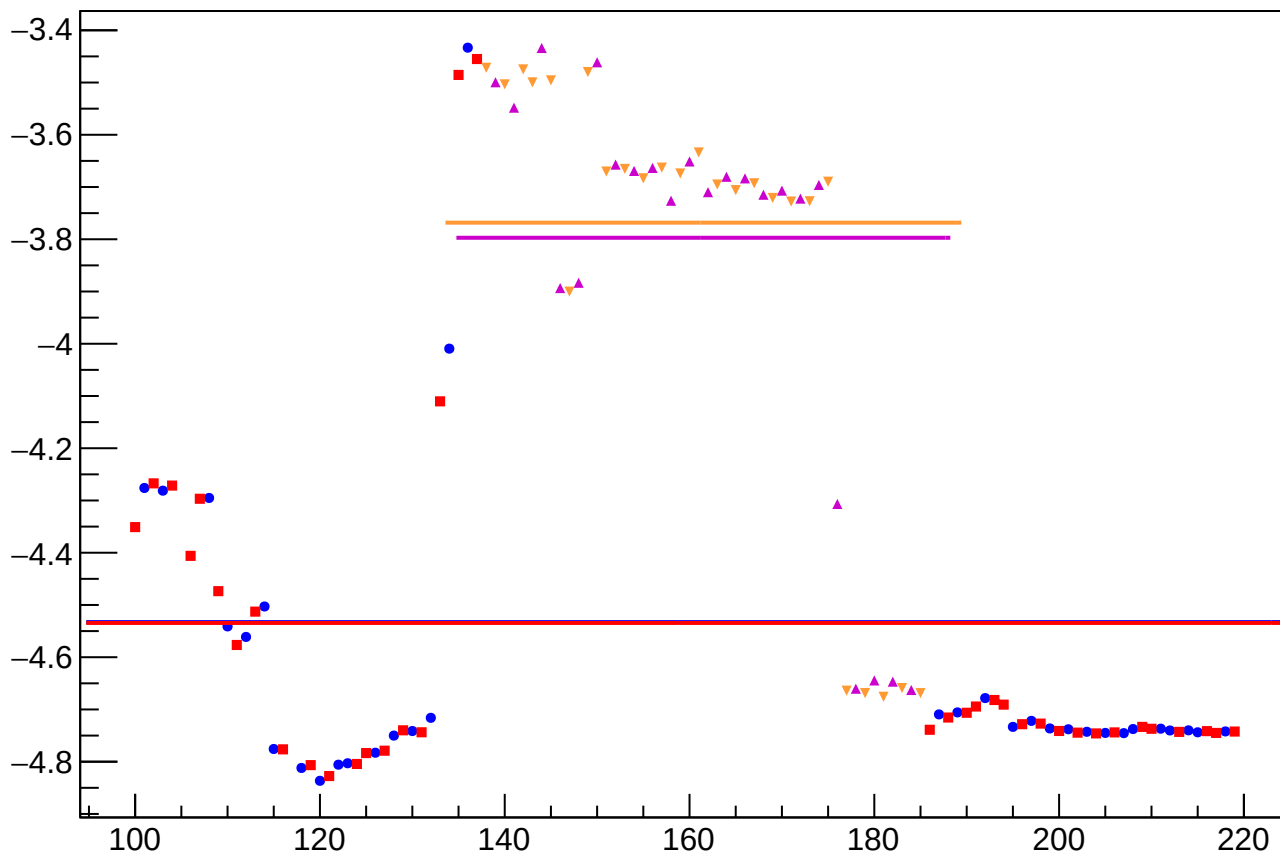
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 8353905.8/57

All: 0.002+/-0.000 χ^2/NDF : 17372794.2/117

- sign 0.002+/-0.000 χ^2/NDF : 9018492.3/59

yield_bpm2i01Y_mean vs Slug



Right In: -4.533 ± 0.000 χ^2/NDF : 449503034363.4/32

Left Out: -3.768 ± 0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.534 ± 0.000 χ^2/NDF : 386338333367.4/36

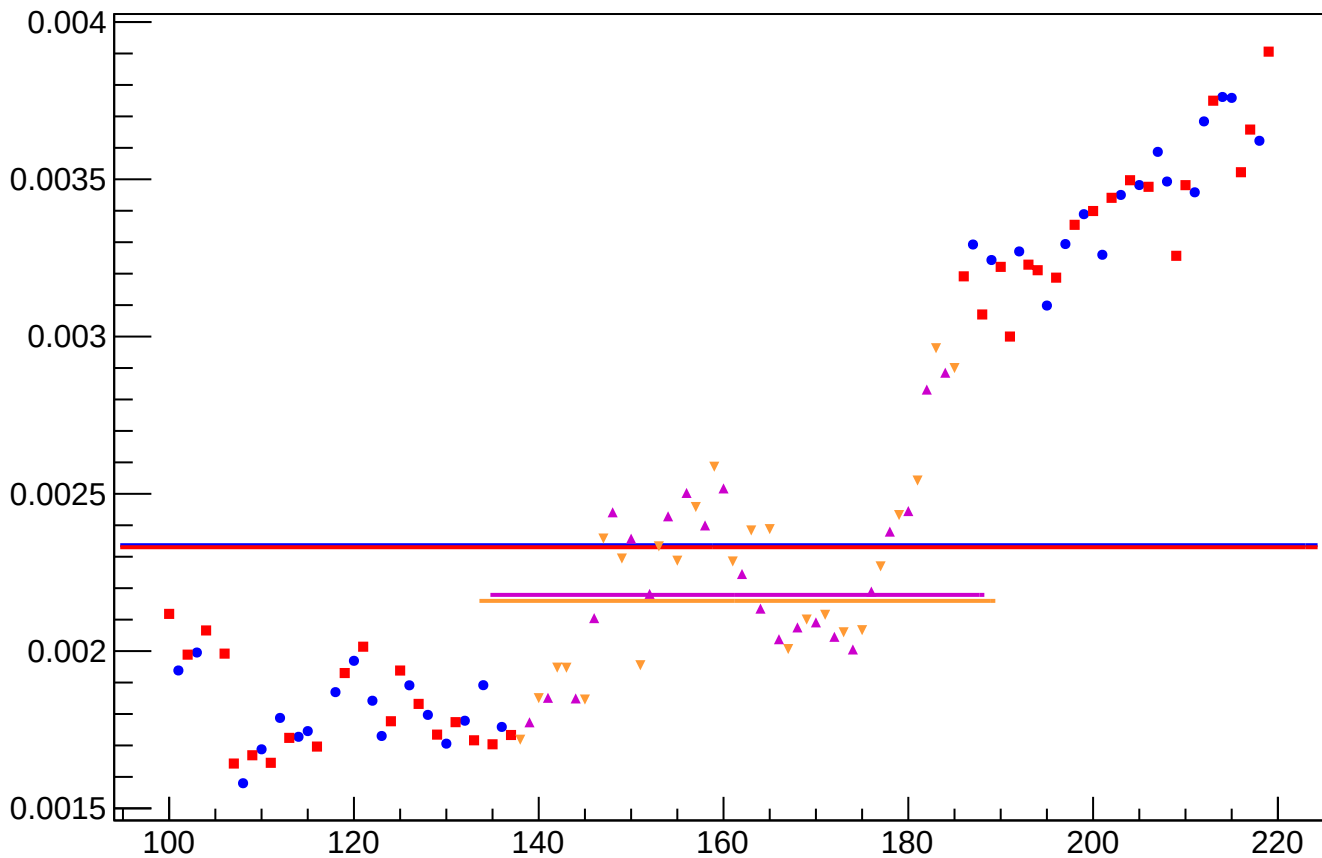
Left In: -3.797 ± 0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.102 ± 0.000 χ^2/NDF : 1940479593402.6/5

All: -4.125 ± 0.000 χ^2/NDF : 3693812379655

- sign -4.147 ± 0.000 χ^2/NDF : 1746631420823.0/5

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 3579000.4/32

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:547831.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3752885.7/36

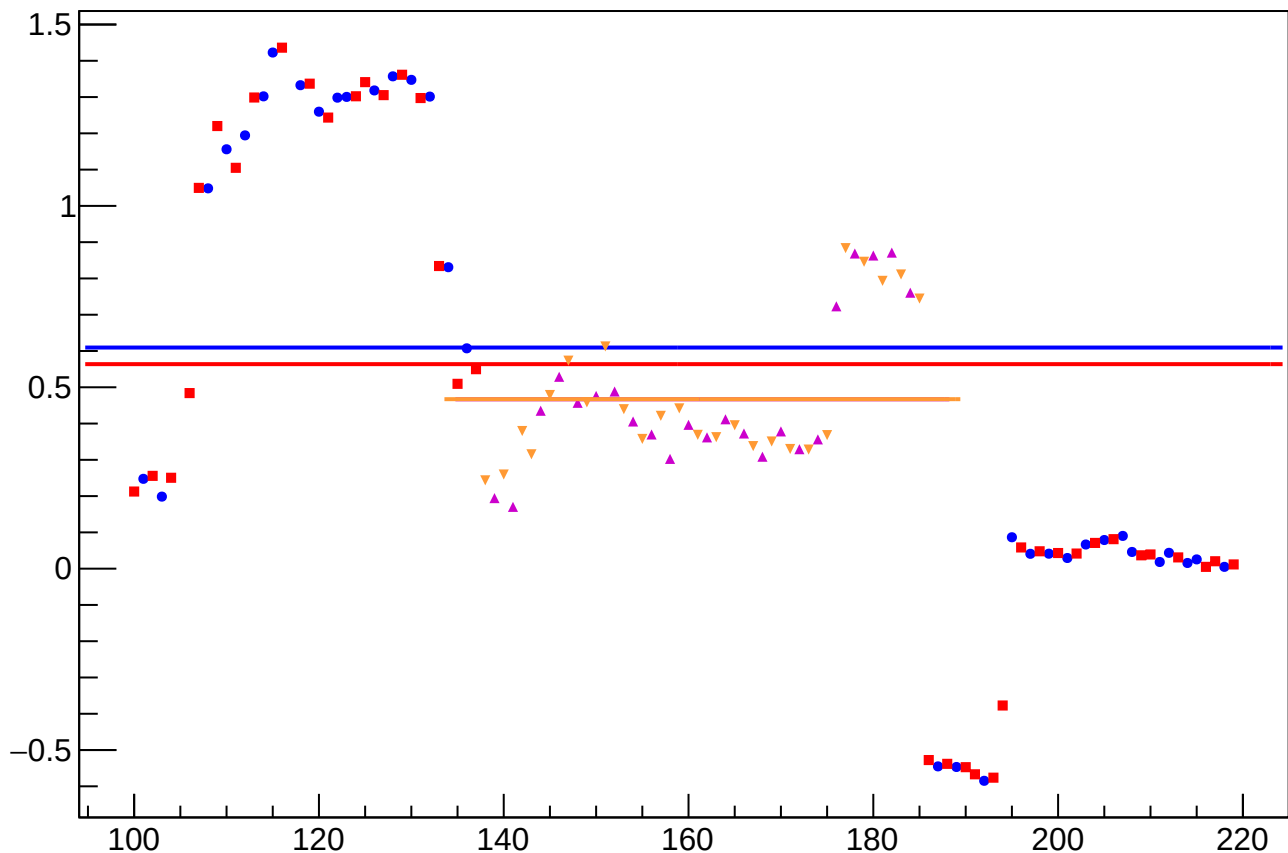
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:463279.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4231278.5/57

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 8525951.7/117

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4293430.0/59

yield_bpm2i02X_mean vs Slug



Right In: 0.610 $\pm$ 0.000 χ^2 /NDF: 86917746220.2/32

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

Right Out: 0.564 $\pm$ 0.000 χ^2 /NDF: 105259930034.6/36

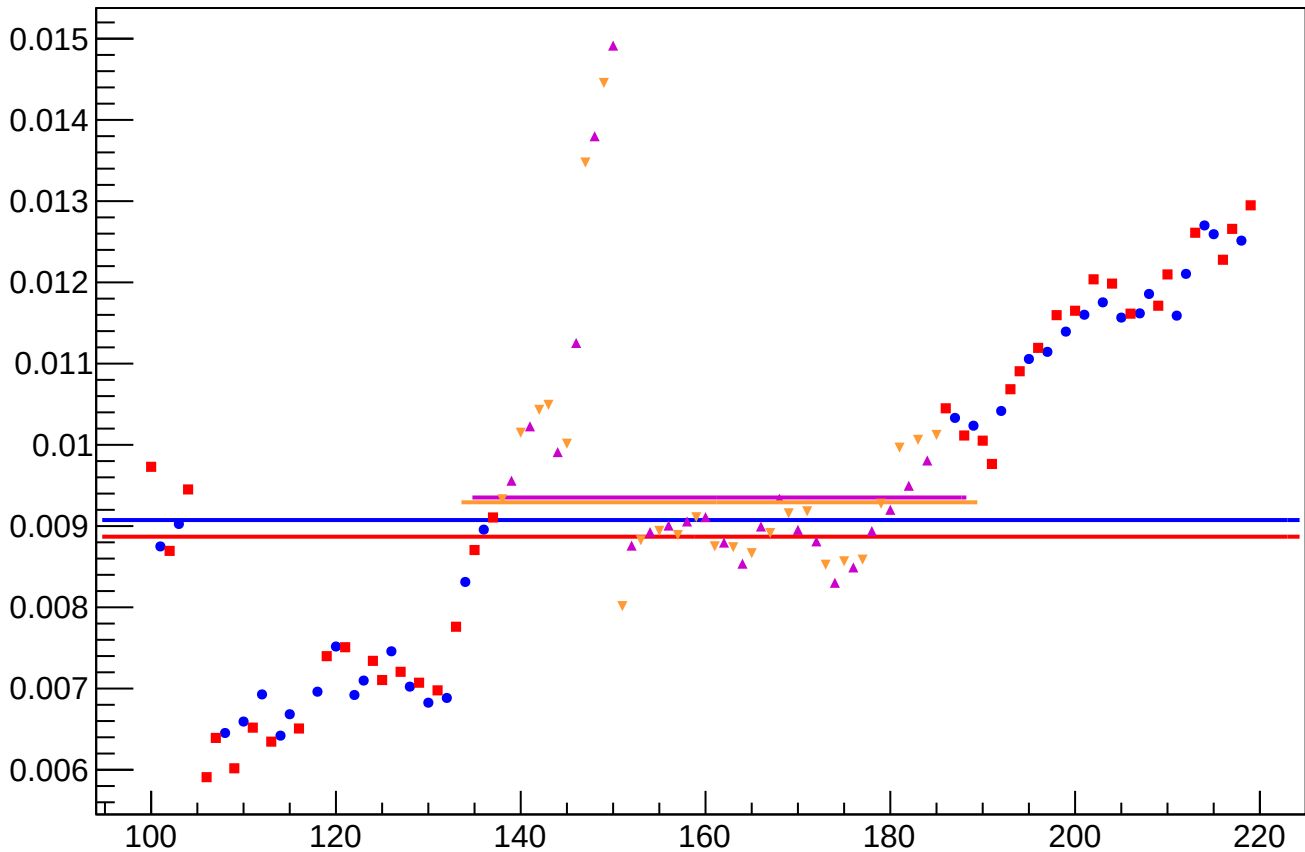
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

+ sign 0.538 $\pm$ 0.000 χ^2 /NDF: 96388840511.4/57

All: 0.529 $\pm$ 0.000 χ^2 /NDF: 210751049588.0

- sign 0.519 $\pm$ 0.000 χ^2 /NDF: 114288385109.2/59

yield_bpm2i02X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 2016885.3/32

Left Out: 0.009+/-0.000 χ^2/NDF : 528279.5/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2491405.4/36

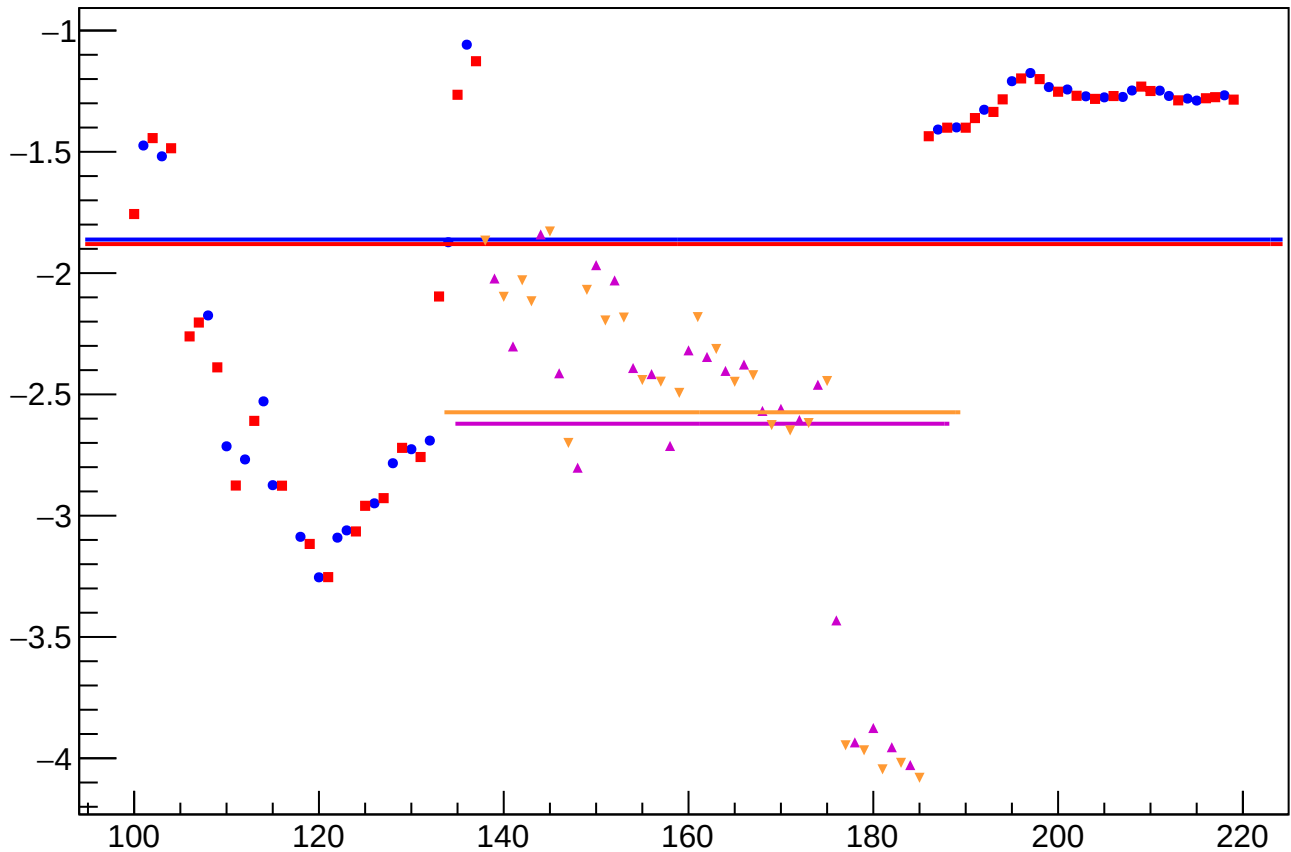
Left In: 0.009+/-0.000 χ^2/NDF : 557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 2555120.0/57

All: 0.009+/-0.000 χ^2/NDF : 5656961.8/117

- sign 0.009+/-0.000 χ^2/NDF : 3098119.8/59

yield_bpm2i02Y_mean vs Slug



Right In: -1.862 ± 0.000 χ^2/NDF : 138980460449.8/32

Left Out: -2.574 ± 0.000 χ^2/NDF : 99176112704.9/24

Right Out: -1.880 ± 0.000 χ^2/NDF : 137571010018.7/36

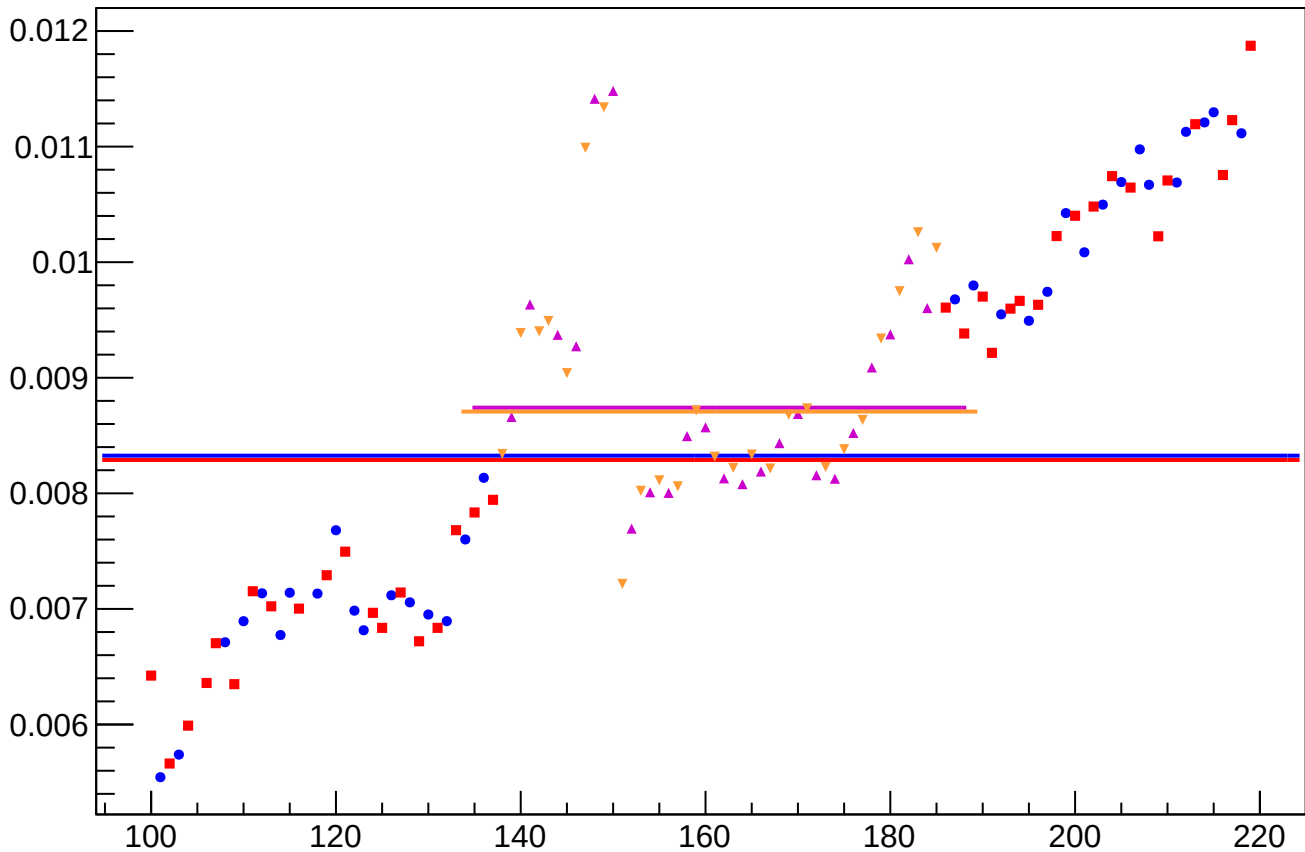
Left In: -2.621 ± 0.000 χ^2/NDF : 80862402796.4/22

+ sign -2.211 ± 0.000 χ^2/NDF : 300089235143.7/57

All: -2.213 ± 0.000 χ^2/NDF : 585776217815.2

- sign -2.216 ± 0.000 χ^2/NDF : 285680189969.2/59

yield_bpm2i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1839943.4/32

Left Out: 0.009+/-0.000 χ^2/NDF : 369376.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1862571.2/36

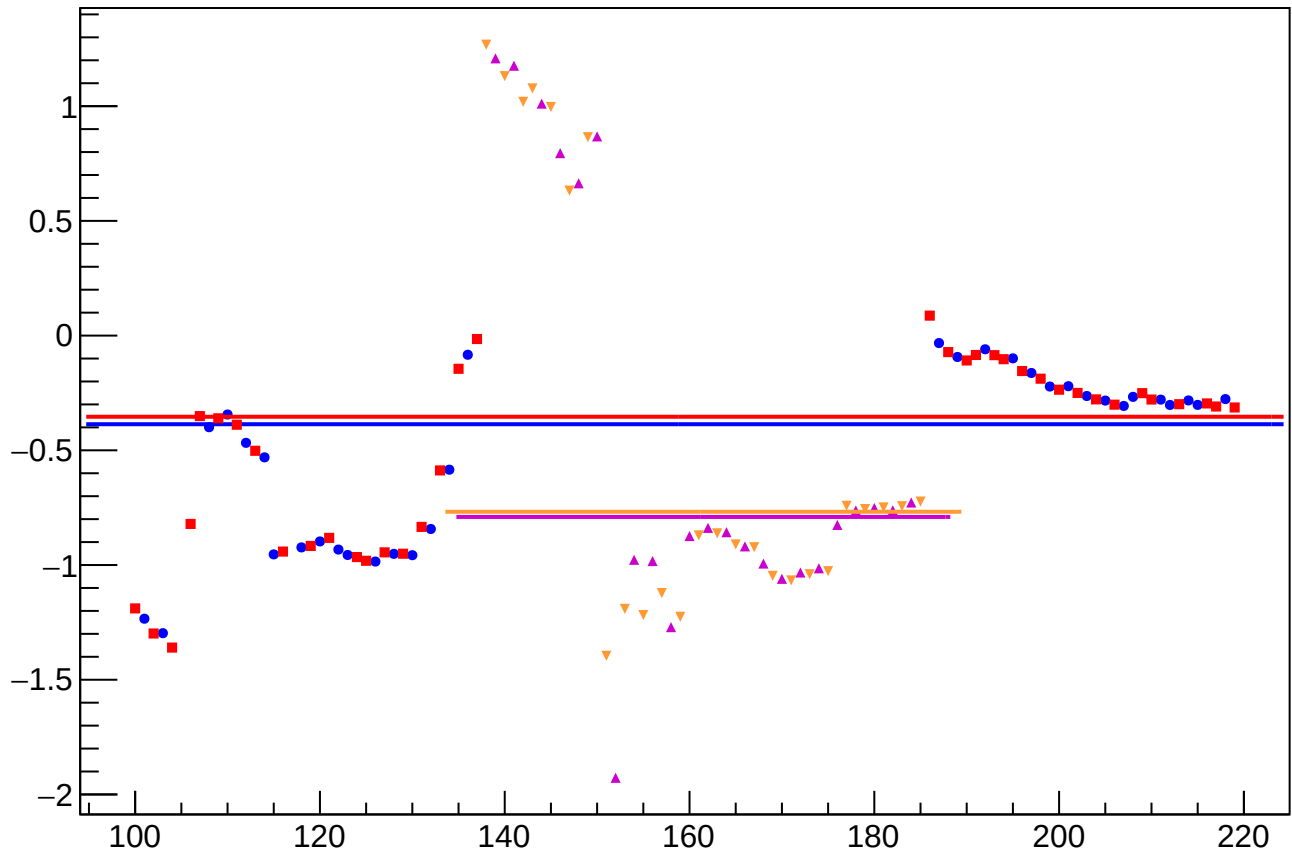
Left In: 0.009+/-0.000 χ^2/NDF : 353750.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 2244879.0/57

All: 0.009+/-0.000 χ^2/NDF : 4511538.0/117

- sign 0.008+/-0.000 χ^2/NDF : 2266481.0/59

yield_bpm0i01X_mean vs Slug



Right In: -0.386+/-0.000 χ^2/NDF : 23178342191.1/32

Left Out: -0.768+/-0.000 χ^2/NDF :120774855982.9/24

Right Out: -0.354+/-0.000 χ^2/NDF : 25379506405.3/36

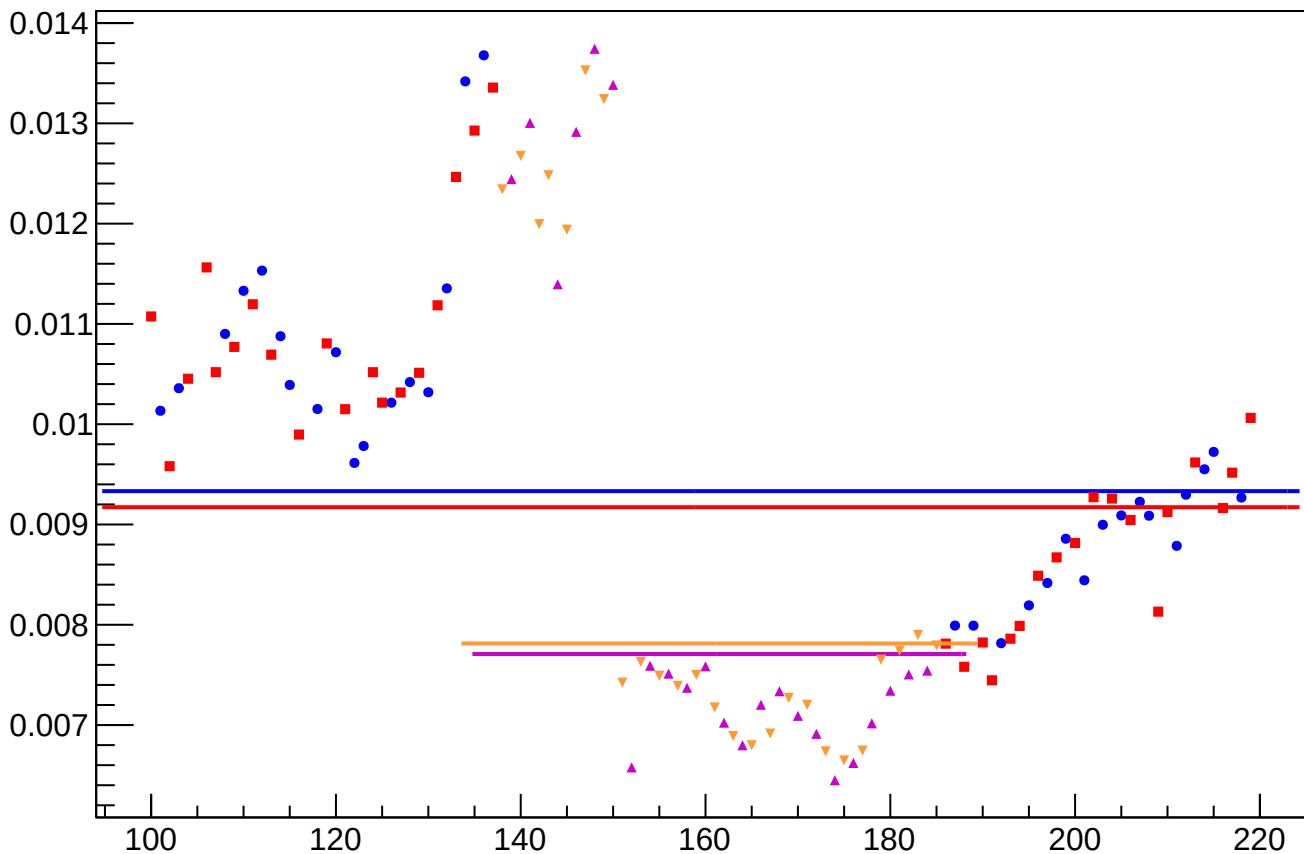
Left In: -0.790+/-0.000 χ^2/NDF :123452478408.2/22

+ sign -0.608+/-0.000 χ^2/NDF : 161123757338.6/57

All: -0.601+/-0.000 χ^2/NDF : 333421861144.2

- sign -0.593+/-0.000 χ^2/NDF : 172244687819.4/59

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 550762.3/32

Left Out: 0.008+/-0.000 χ^2/NDF : 1705997.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 669731.0/36

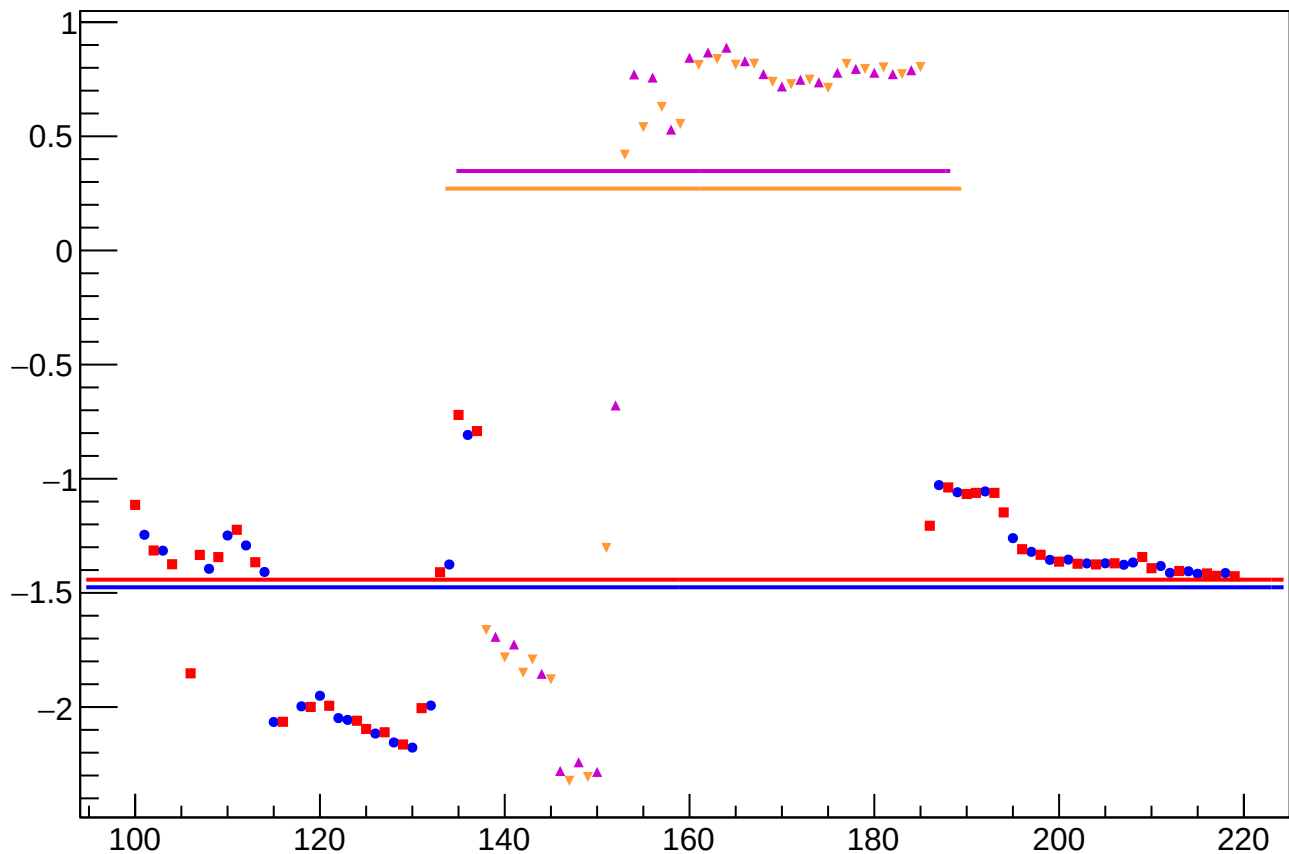
Left In: 0.008+/-0.000 χ^2/NDF : 1746653.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 2801316.9/57

All: 0.008+/-0.000 χ^2/NDF : 5747087.9/117

- sign 0.008+/-0.000 χ^2/NDF : 2942624.9/59

yield_bpm0i01Y_mean vs Slug



Right In: -1.475 ± 0.000 χ^2/NDF : 175317048117.8/32

Left Out: 0.271 ± 0.000 χ^2/NDF : 2583233987355.9/24

Right Out: -1.442 ± 0.000 χ^2/NDF : 164581722207.8/36

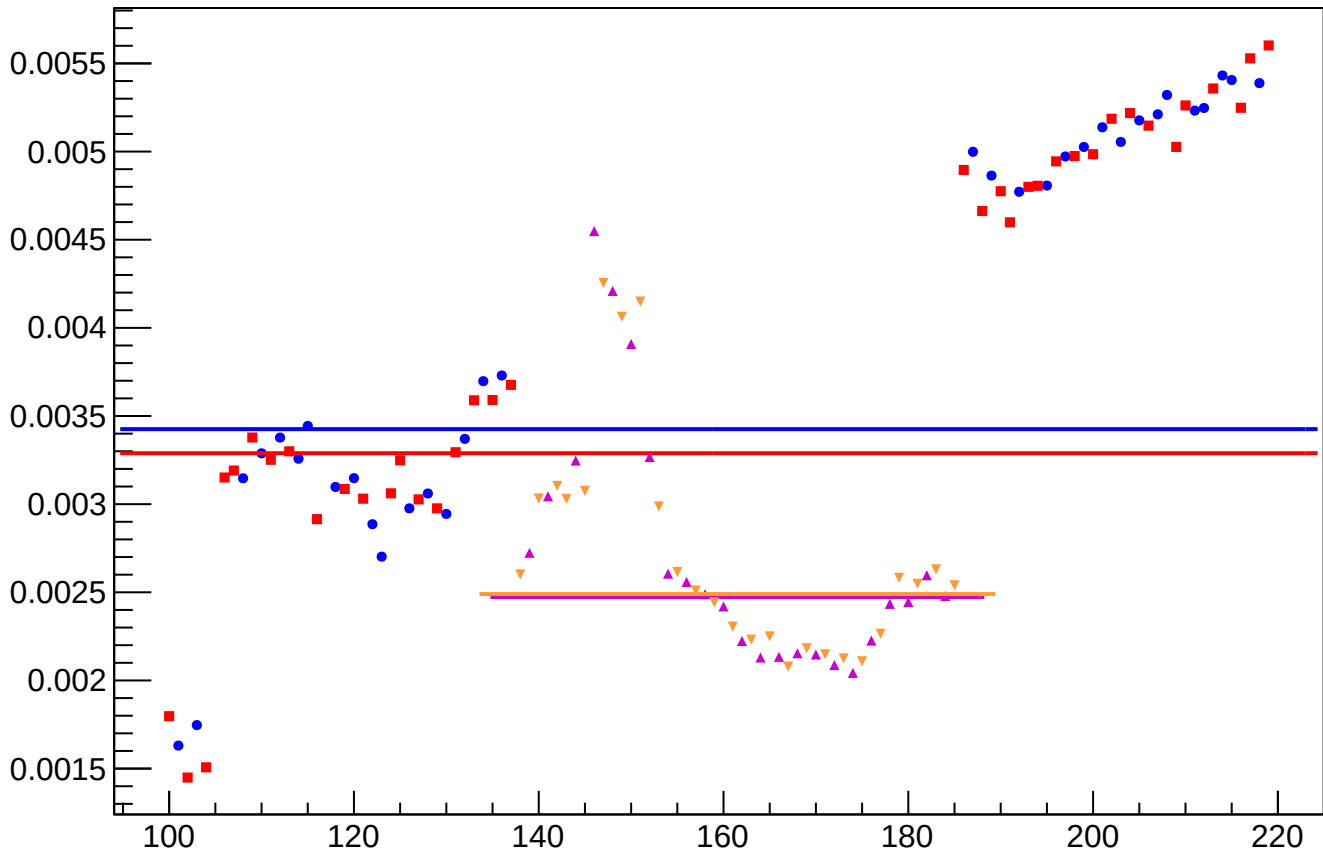
Left In: 0.348 ± 0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.301 ± 0.000 χ^2/NDF : 5378062580357.6/5

All: -0.305 ± 0.000 χ^2/NDF : 1073638556828

- sign -0.309 ± 0.000 χ^2/NDF : 5358208341038.8/5

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 4727055.5/32

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1070282.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 5963002.0/36

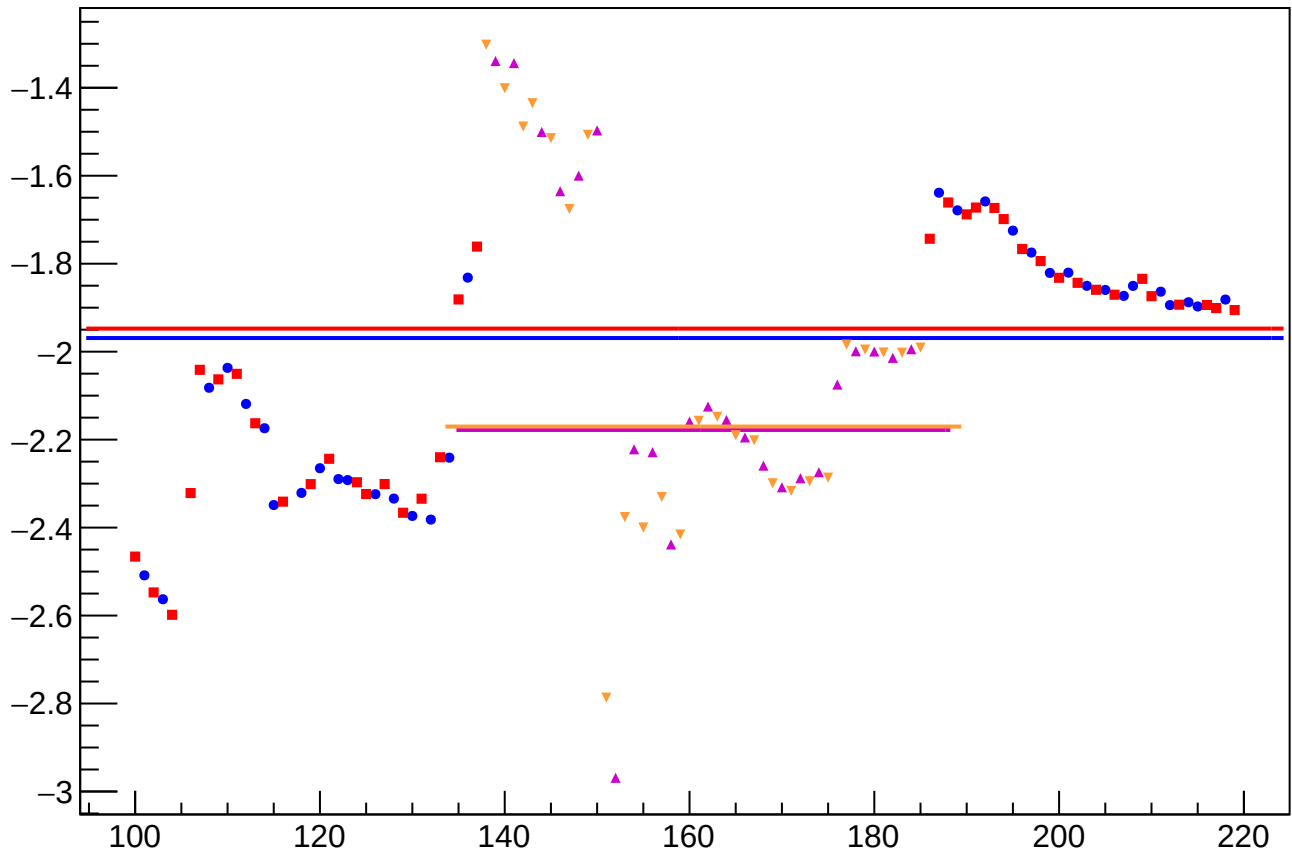
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1135279.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 7301046.3/57

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 15613493.7/117

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 8310229.8/59

yield_bpm0i01aX_mean vs Slug



Right In: -1.969 ± 0.000 χ^2/NDF : 31706337087.8/32

Left Out: -2.170 ± 0.000 χ^2/NDF : 59967315241.9/24

Right Out: -1.947 ± 0.000 χ^2/NDF : 35464956965.8/36

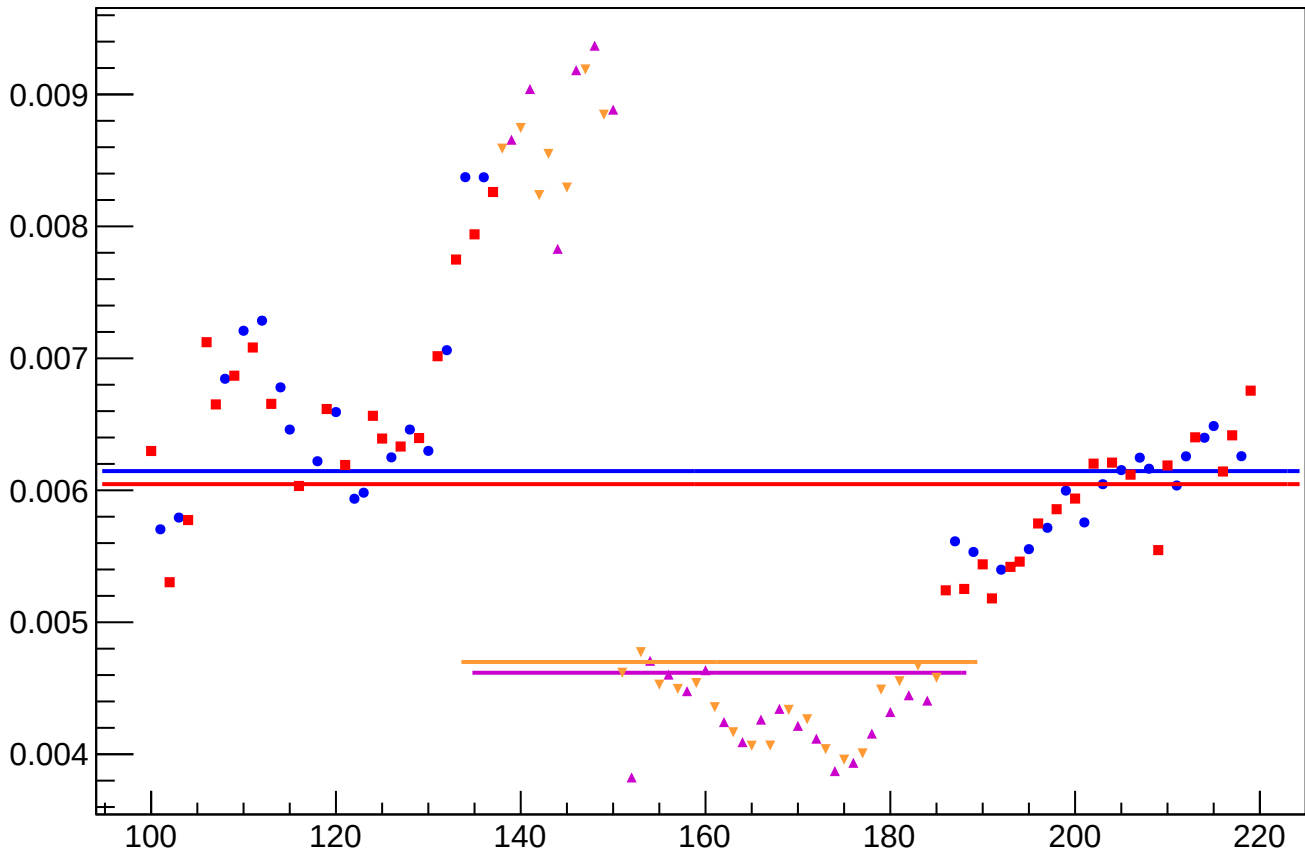
Left In: -2.178 ± 0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.093 ± 0.000 χ^2/NDF : 103364951643.2/57

All: -2.088 ± 0.000 χ^2/NDF : 228387538698.8

- sign -2.083 ± 0.000 χ^2/NDF : 124954207487.1/59

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 311182.3/32

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 394915.4/36

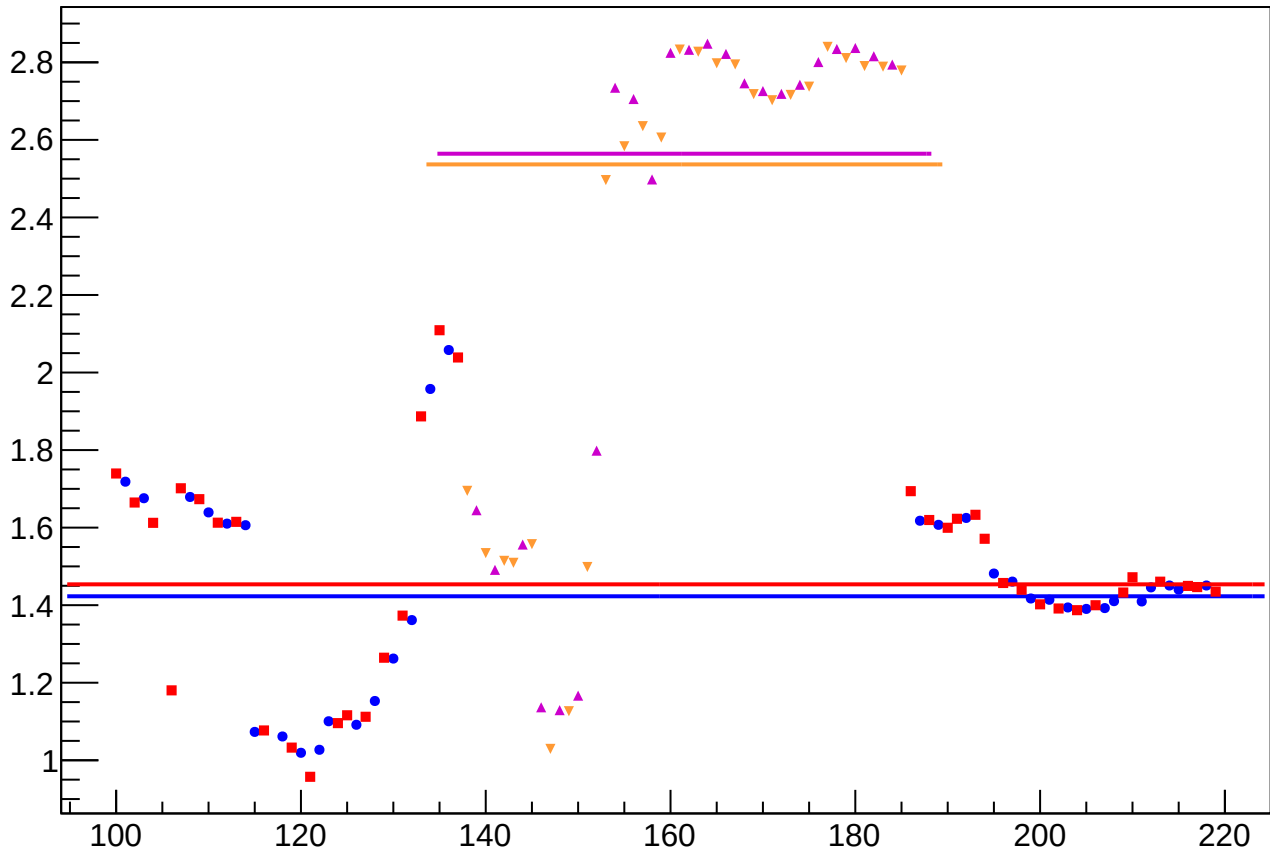
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3839226.7/57

All: 0.005+/-0.000 χ^2/NDF : 7840583.2/117

- sign 0.005+/-0.000 χ^2/NDF : 3998945.4/59

yield_bpm0i01aY_mean vs Slug



Right In: 1.423+/-0.000 χ^2/NDF : 174214784569.8/32

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.454+/-0.000 χ^2/NDF : 177008991644.1/36

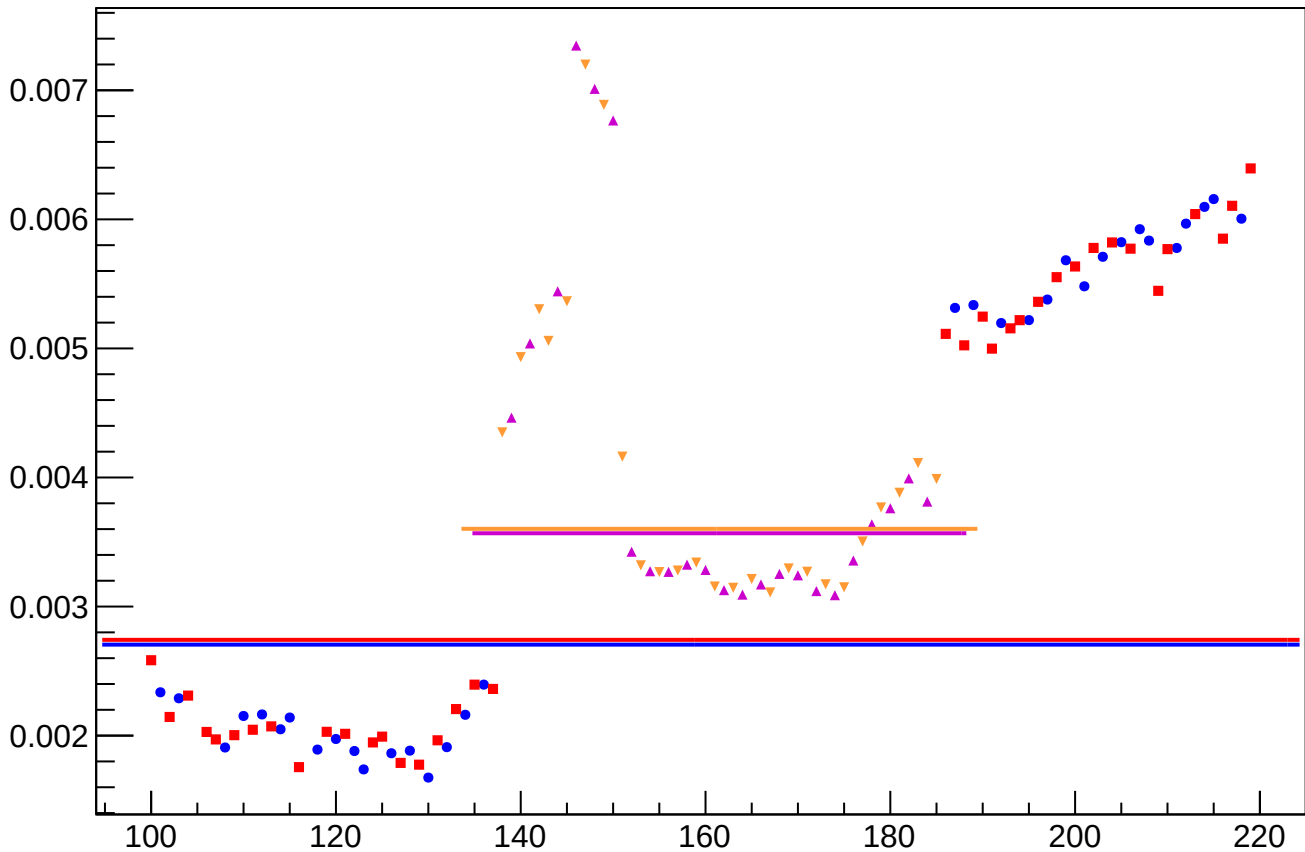
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.877+/-0.000 χ^2/NDF : 1390443436829.5/57

All: 1.878+/-0.000 χ^2/NDF : 2759985671476.

- sign 1.880+/-0.000 χ^2/NDF : 1369530466351.5/59

yield_bpm0i01aY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 7895856.0/32

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.003+/-0.000 χ^2/NDF : 8141774.3/36

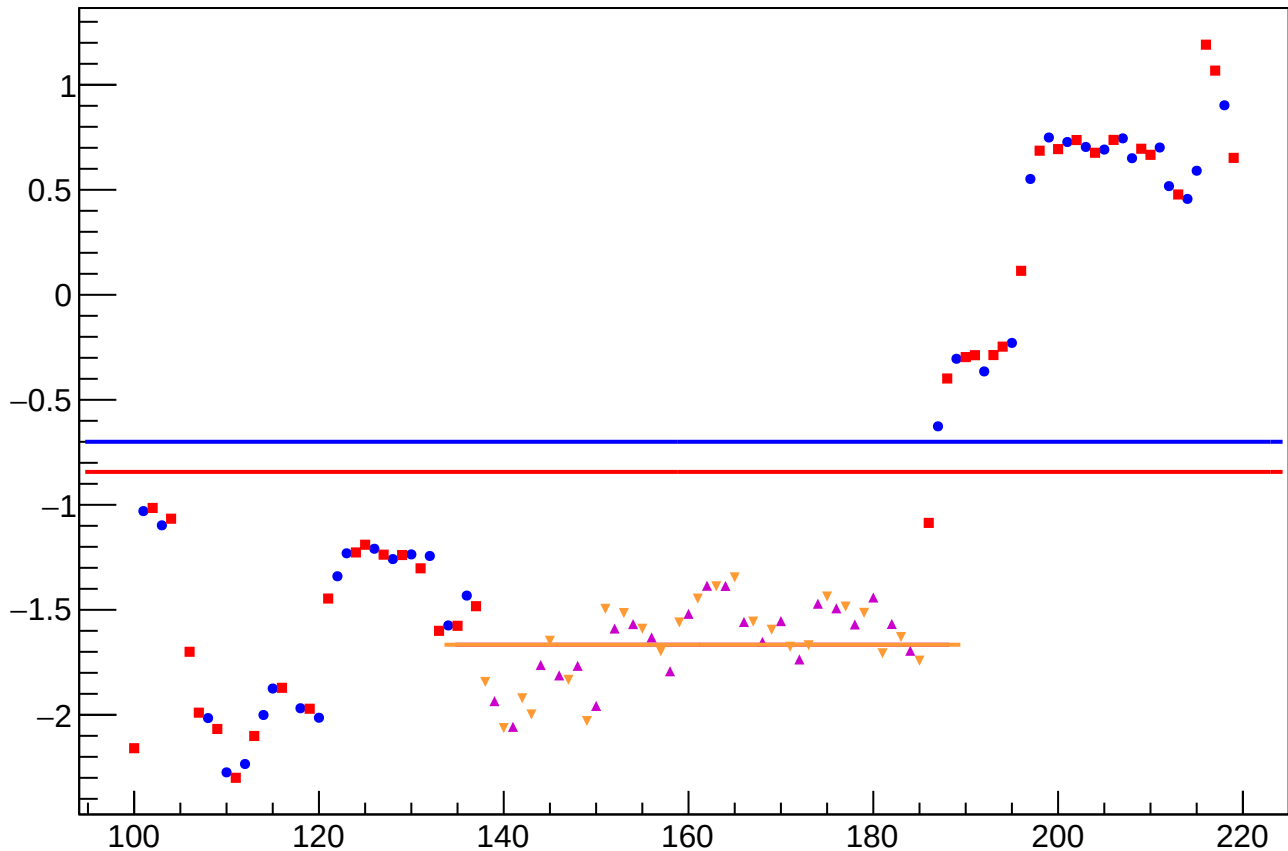
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 10535010.2/57

All: 0.003+/-0.000 χ^2/NDF : 21271188.2/117

- sign 0.003+/-0.000 χ^2/NDF : 10735725.3/59

yield_bpm0l01X_mean vs Slug



Right In: -0.700+/-0.000 χ^2/NDF : 253734039205.2/32

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -0.843+/-0.000 χ^2/NDF : 301797006016.5/36

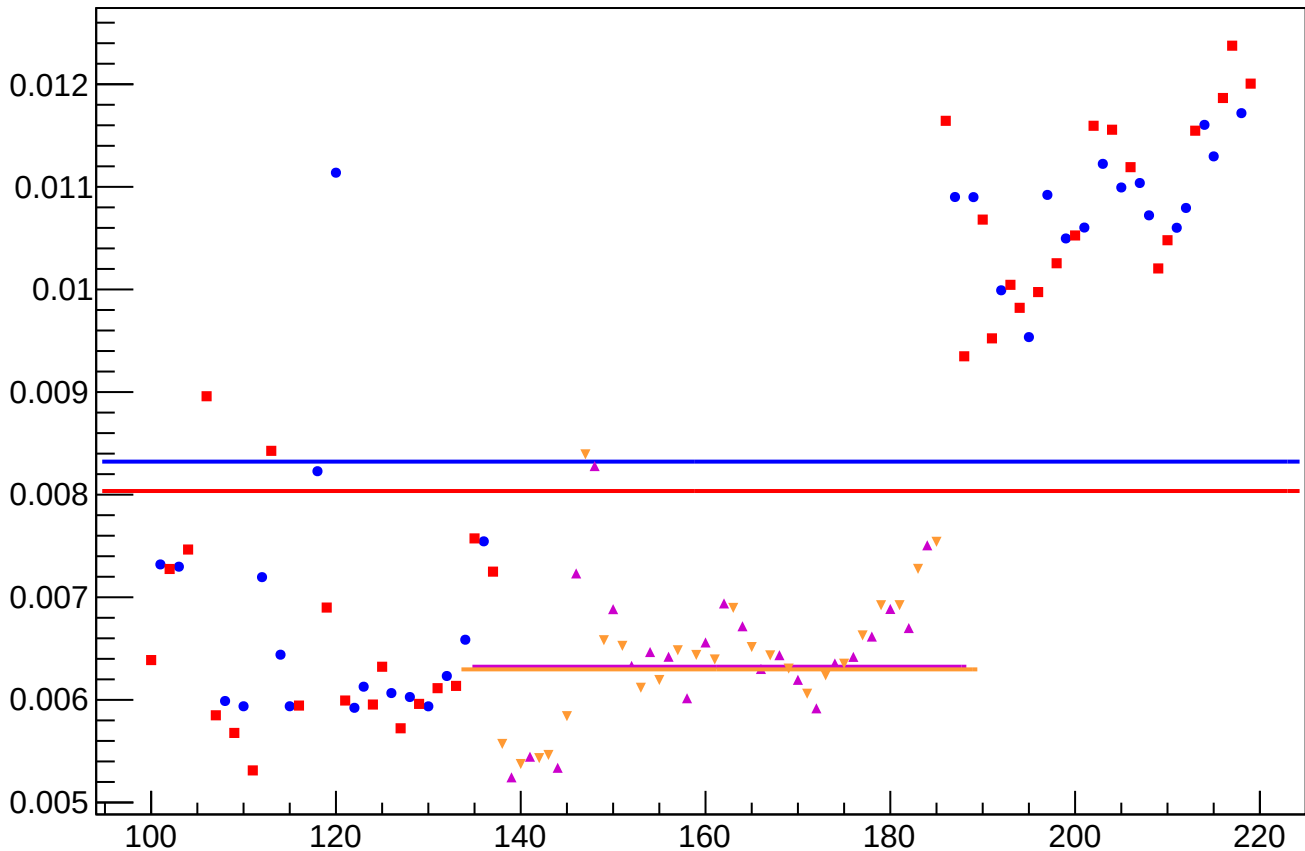
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.330+/-0.000 χ^2/NDF : 415153441241.3/57

All: -1.335+/-0.000 χ^2/NDF : 841212067965.5

- sign -1.340+/-0.000 χ^2/NDF : 426024299809.3/59

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2231343.0/32

Left Out: 0.006+/-0.000 χ^2/NDF : 310757.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2768855.3/36

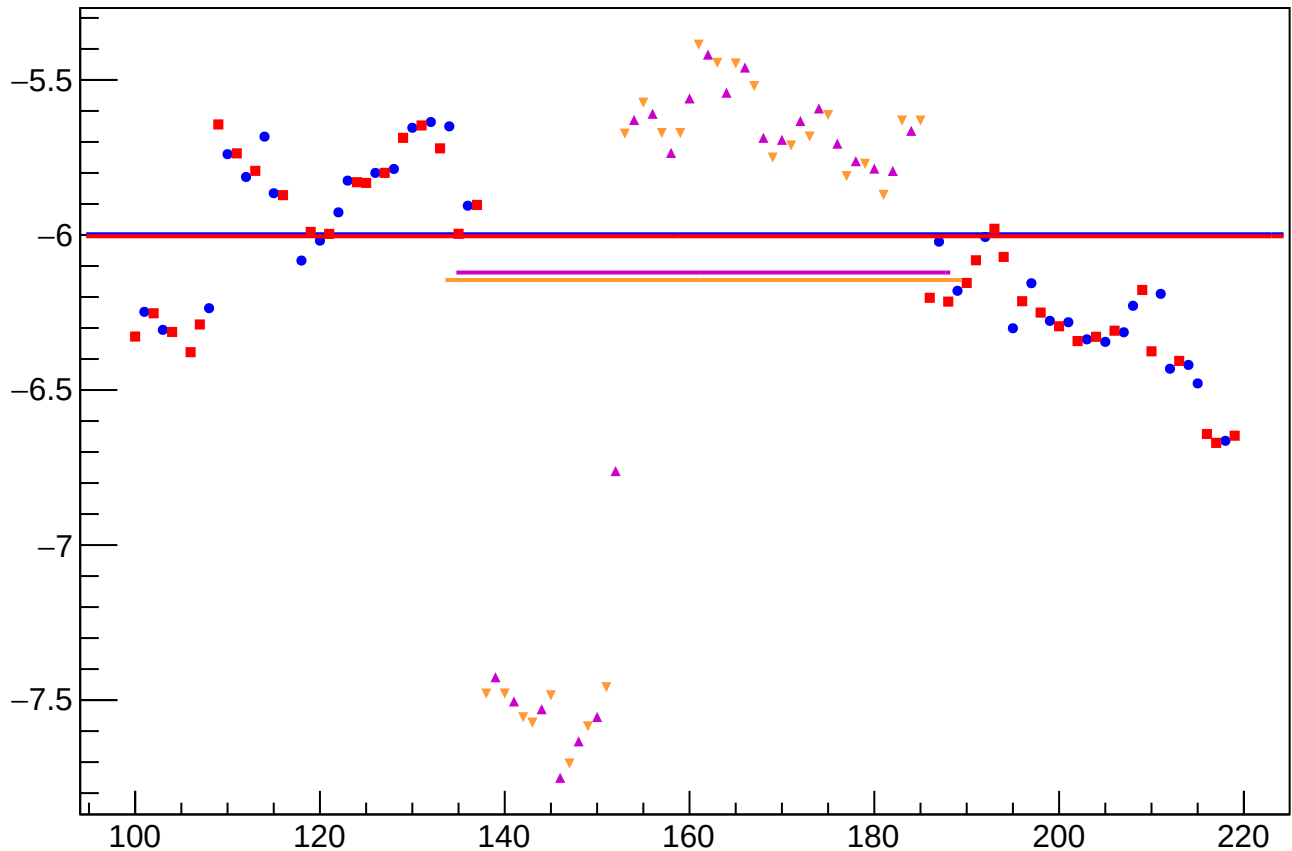
Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 3798620.9/57

All: 0.007+/-0.000 χ^2/NDF : 7850612.7/117

- sign 0.007+/-0.000 χ^2/NDF : 4051991.8/59

yield_bpm0l01Y_mean vs Slug



Right In: -5.998 ± 0.000 χ^2/NDF : 19270675155.2/32

Left Out: -6.145 ± 0.000 χ^2/NDF : 185364150237.7/24

Right Out: -6.004 ± 0.000 χ^2/NDF : 22148621423.9/36

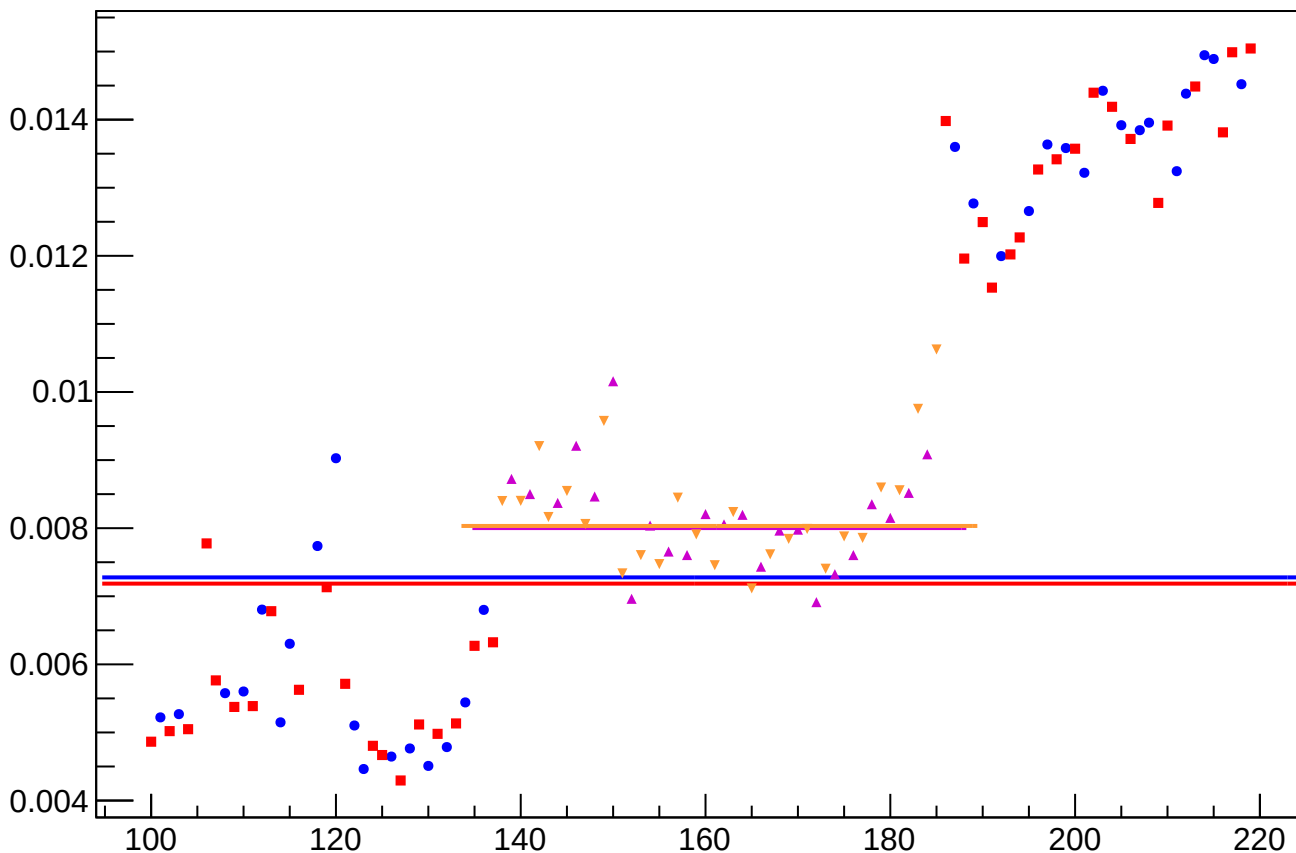
Left In: -6.121 ± 0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.071 ± 0.000 χ^2/NDF : 207456328008.1/57

All: -6.064 ± 0.000 χ^2/NDF : 389781311858.7

- sign -6.058 ± 0.000 χ^2/NDF : 182282000689.7/59

yield_bpm0l01Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6687367.8/32

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205762.2/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 6969575.6/36

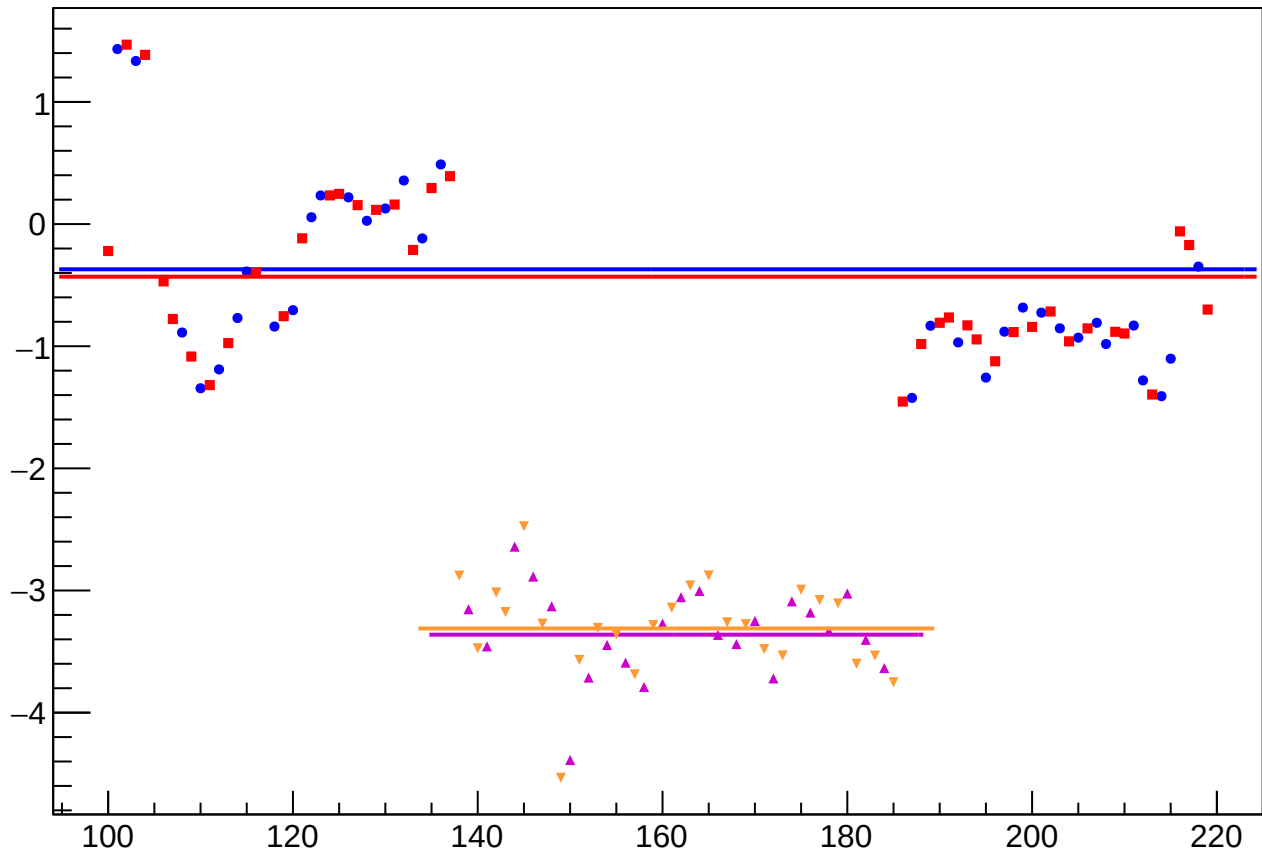
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220756.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7041121.6/57

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 14413019.1/117

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7367564.1/59

yield_bpm0l02X_mean vs Slug



Right In: -0.370 ± 0.000 χ^2/NDF : 36477846597.5/32

Left Out: -3.311 ± 0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.431 ± 0.000 χ^2/NDF : 35296308280.2/36

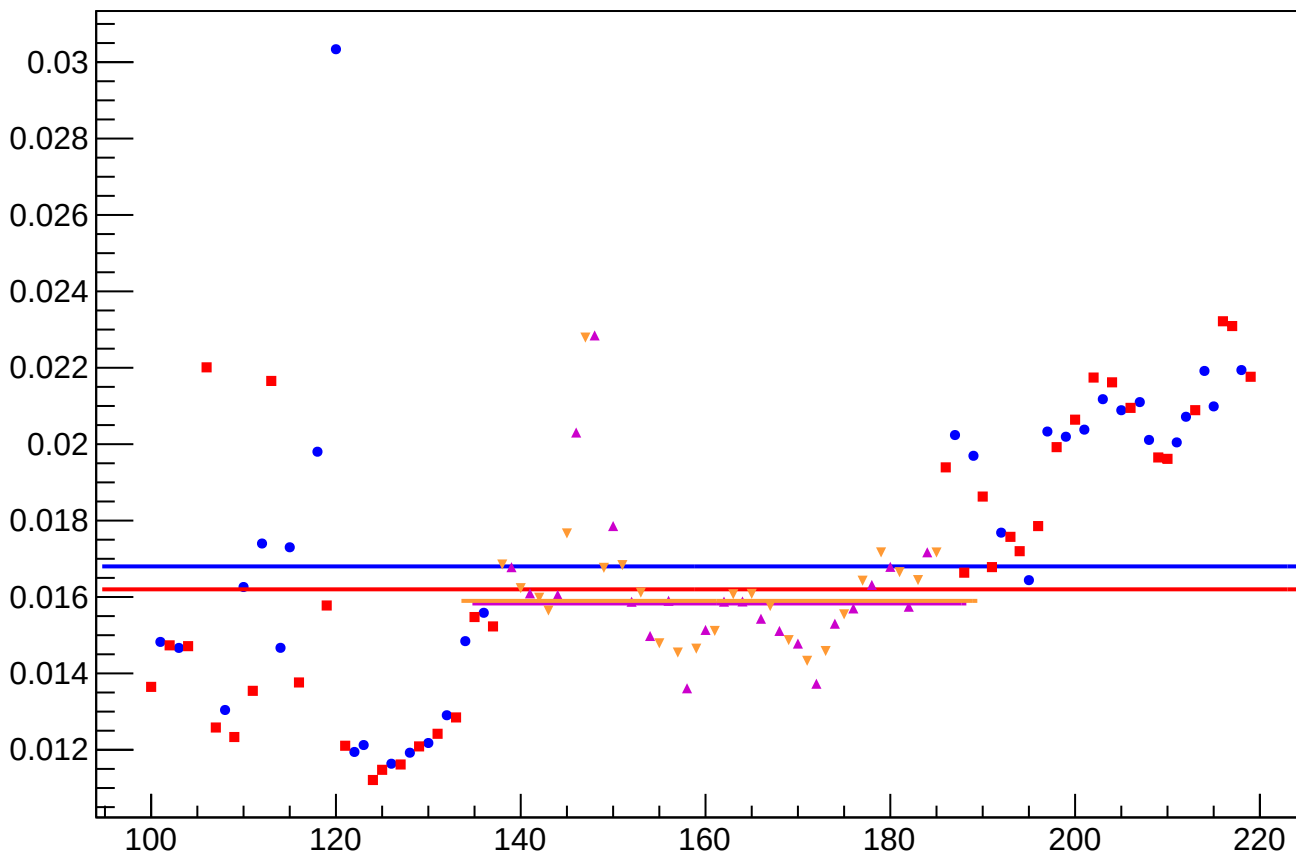
Left In: -3.362 ± 0.000 χ^2/NDF : 8171803777.4/22

+ sign -1.969 ± 0.000 χ^2/NDF : 321792693760.6/57

All: -1.922 ± 0.000 χ^2/NDF : 654110295450.0

- sign -1.877 ± 0.000 χ^2/NDF : 331763787967.8/59

yield_bpm0l02X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 1631492.0/32

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.016+/-0.000 χ^2/NDF : 1862712.5/36

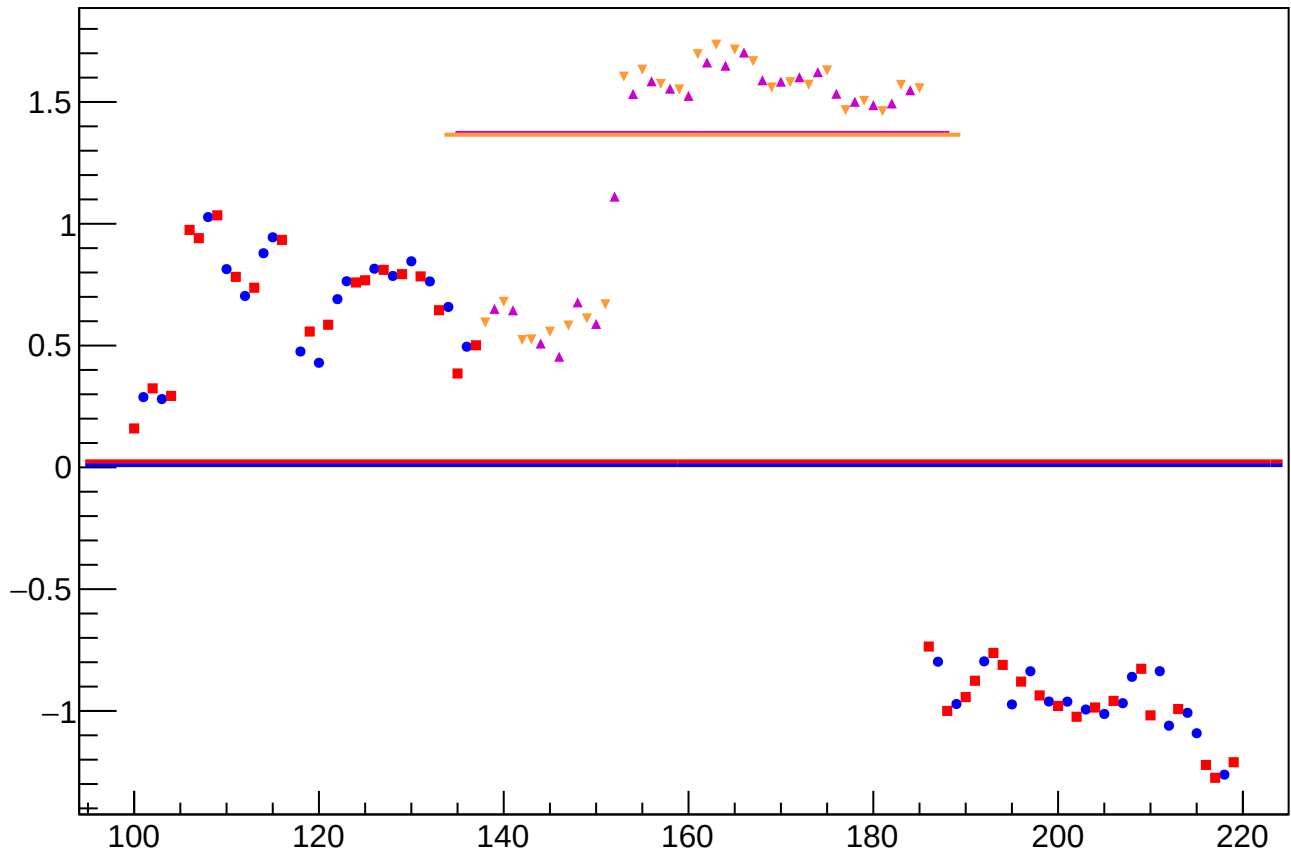
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 1935386.5/57

All: 0.016+/-0.000 χ^2/NDF : 4158039.0/117

- sign 0.016+/-0.000 χ^2/NDF : 2211431.1/59

yield_bpm0l02Y_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 97181845604.4/32

Left Out: 1.366 $\pm$ 0.000 χ^2 /NDF: 74741956067.9/24

Right Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 110976857417.5/36

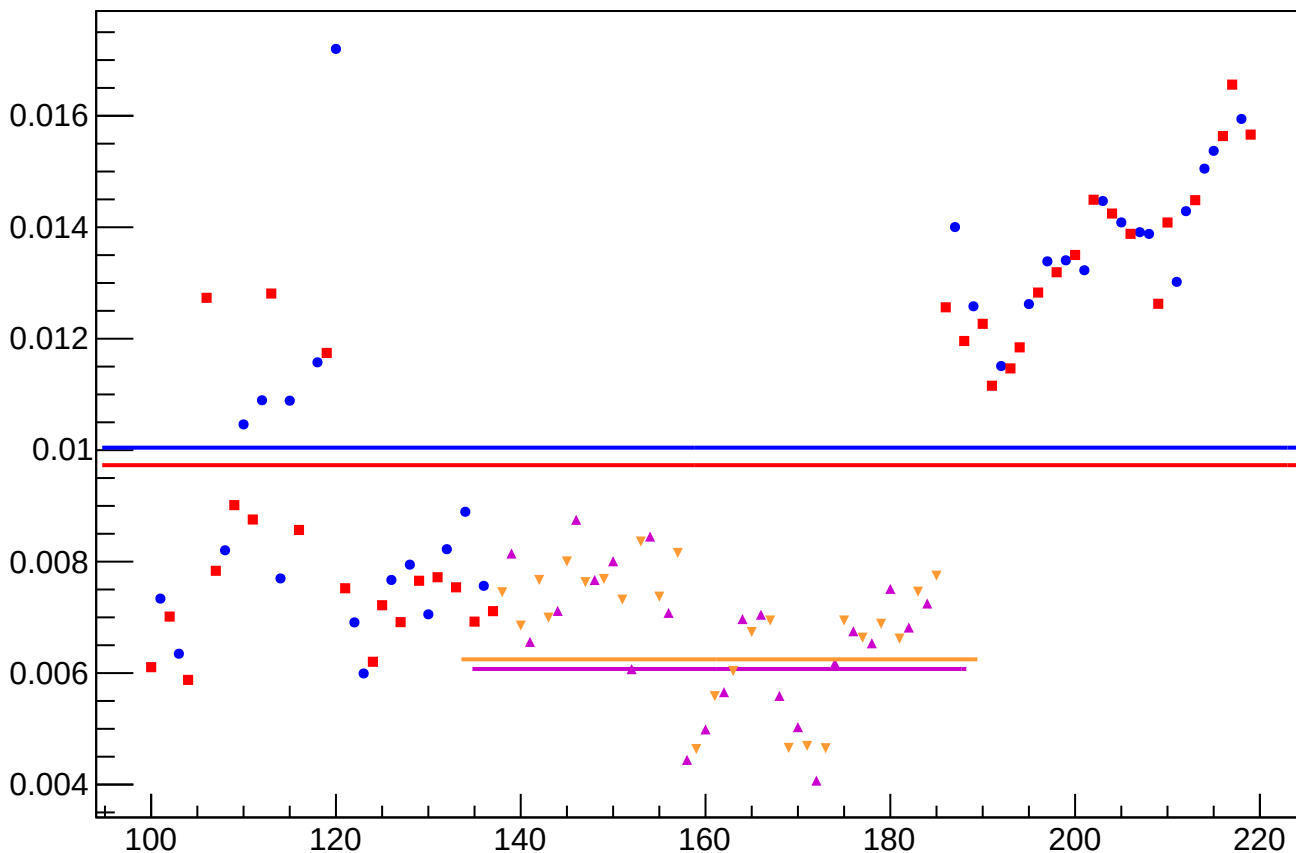
Left In: 1.373 $\pm$ 0.000 χ^2 /NDF: 63413151416.3/22

+ sign 1.004 $\pm$ 0.000 χ^2 /NDF: 380805819054.2/57

All: 0.992 $\pm$ 0.000 χ^2 /NDF: 781608566456.5

- sign 0.981 $\pm$ 0.000 χ^2 /NDF: 400640406653.1/59

yield_bpm0l02Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 3076265.2/32

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 3438442.5/36

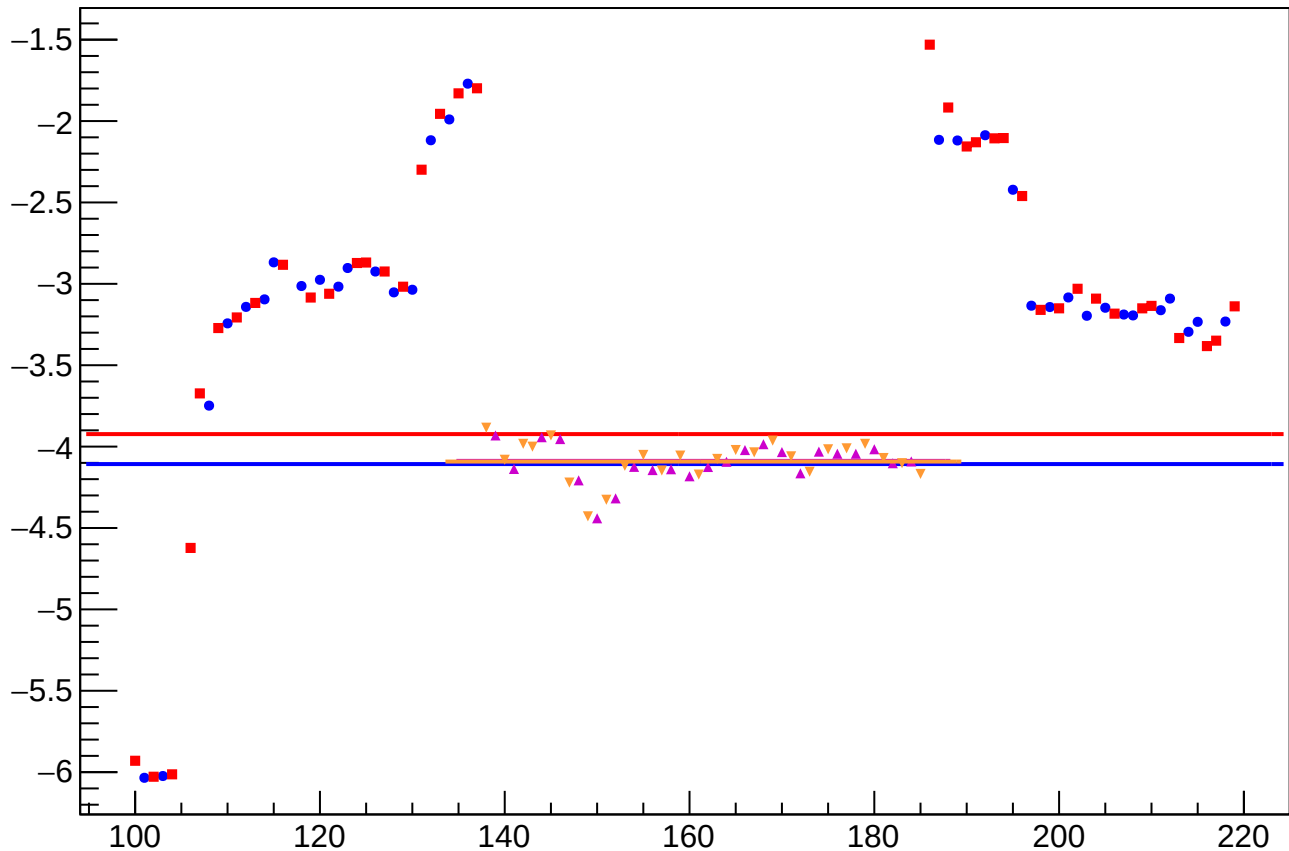
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 7683382.8/57

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 15890118.9/117

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8198099.6/59

yield_bpm0l03X_mean vs Slug



Right In: -4.107 ± 0.000 $\chi^2/\text{NDF}: 287843463208.8/32$

Left Out: -4.092 ± 0.000 $\chi^2/\text{NDF}: 39806766.7/24$

Right Out: -3.923 ± 0.000 $\chi^2/\text{NDF}: 280221495630.4/36$

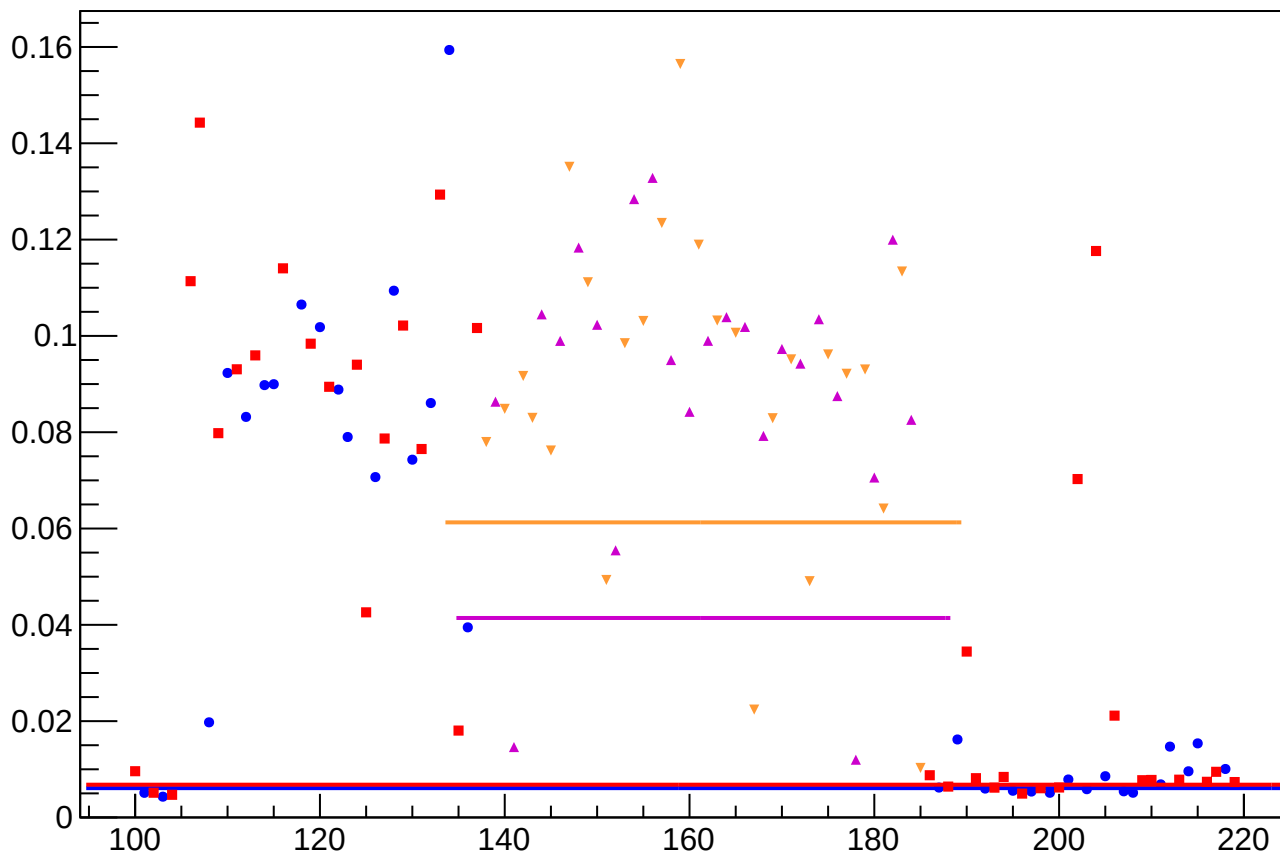
Left In: -4.088 ± 0.000 $\chi^2/\text{NDF}: 34412880.7/22$

+ sign -4.107 ± 0.000 $\chi^2/\text{NDF}: 287883963267.4/57$

All: -4.027 ± 0.000 $\chi^2/\text{NDF}: 570013292933.9$

- sign -3.930 ± 0.000 $\chi^2/\text{NDF}: 280366579637.5/59$

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8426105.9/32

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 10412871.3/36

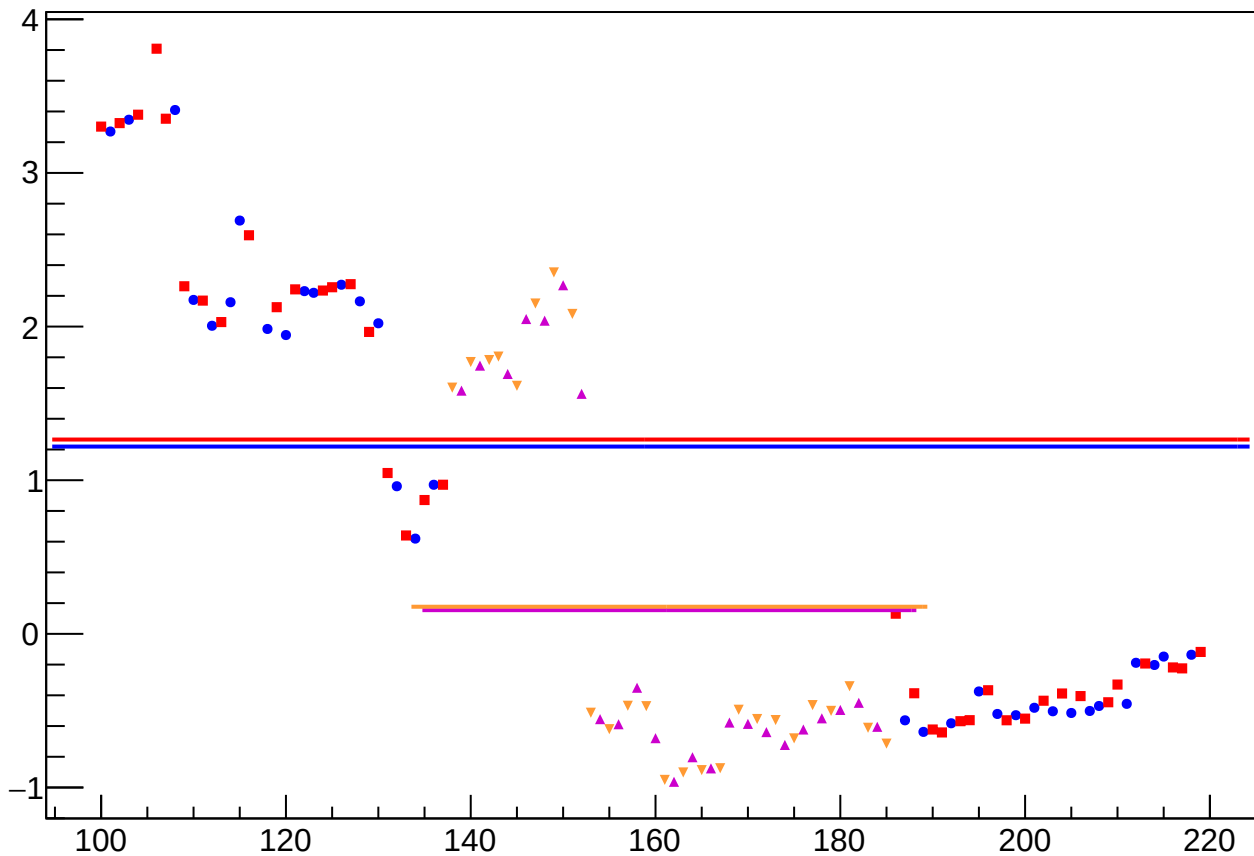
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 34343208.8/57

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 67759527.4/117

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33334775.0/59

yield_bpm0l03Y_mean vs Slug



Right In: 1.219 $\pm$ 0.000 χ^2 /NDF: 222348960406.5/32

Left Out: 0.177 $\pm$ 0.000 χ^2 /NDF: 3275313367.7/24

Right Out: 1.265 $\pm$ 0.000 χ^2 /NDF: 201017998628.2/36

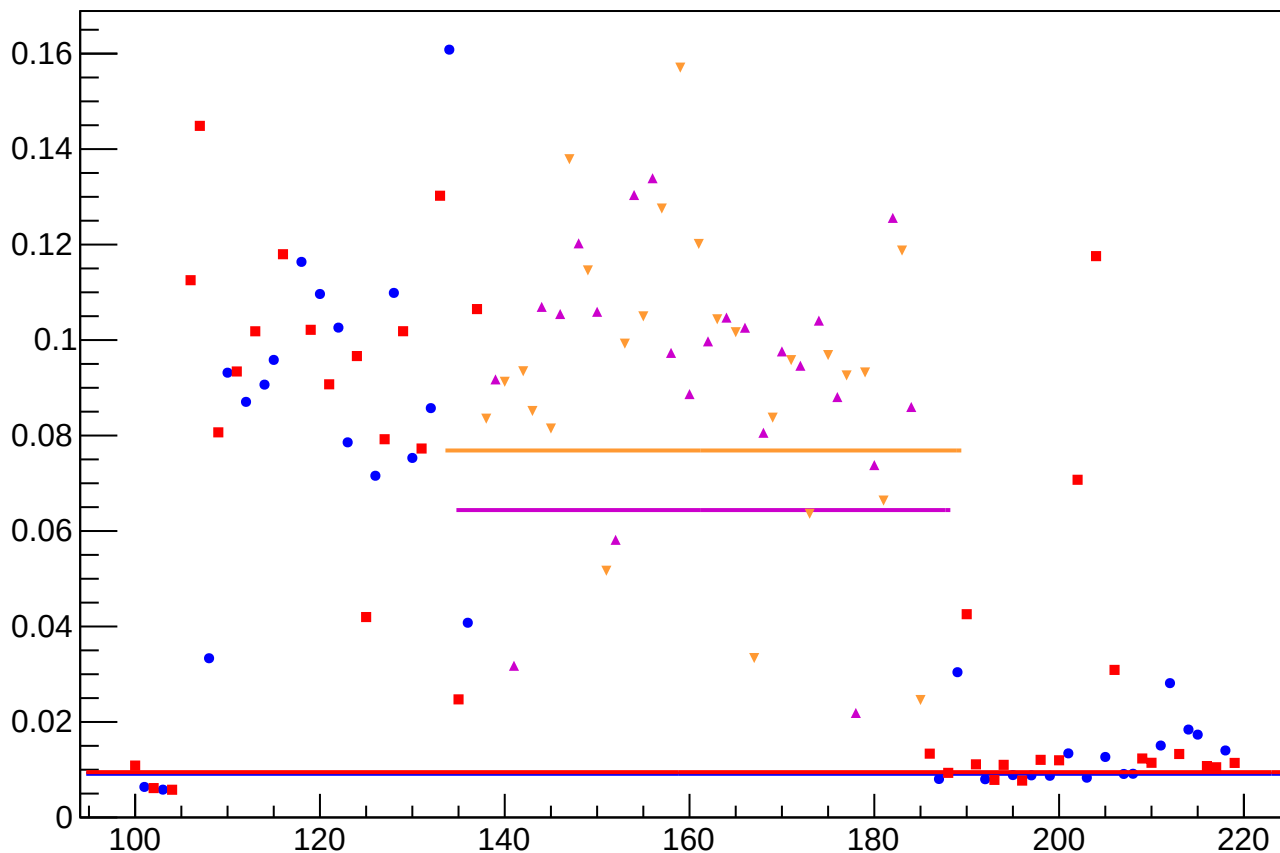
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF: 3163553595.0/22

+ sign 1.183 $\pm$ 0.000 χ^2 /NDF: 228003097448.5/57

All: 1.200 $\pm$ 0.000 χ^2 /NDF: 435271949966.9

- sign 1.218 $\pm$ 0.000 χ^2 /NDF: 207229345724.1/59

yield_bpm0l03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 8639260.3/32

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:4217954.3/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 10412652.0/36

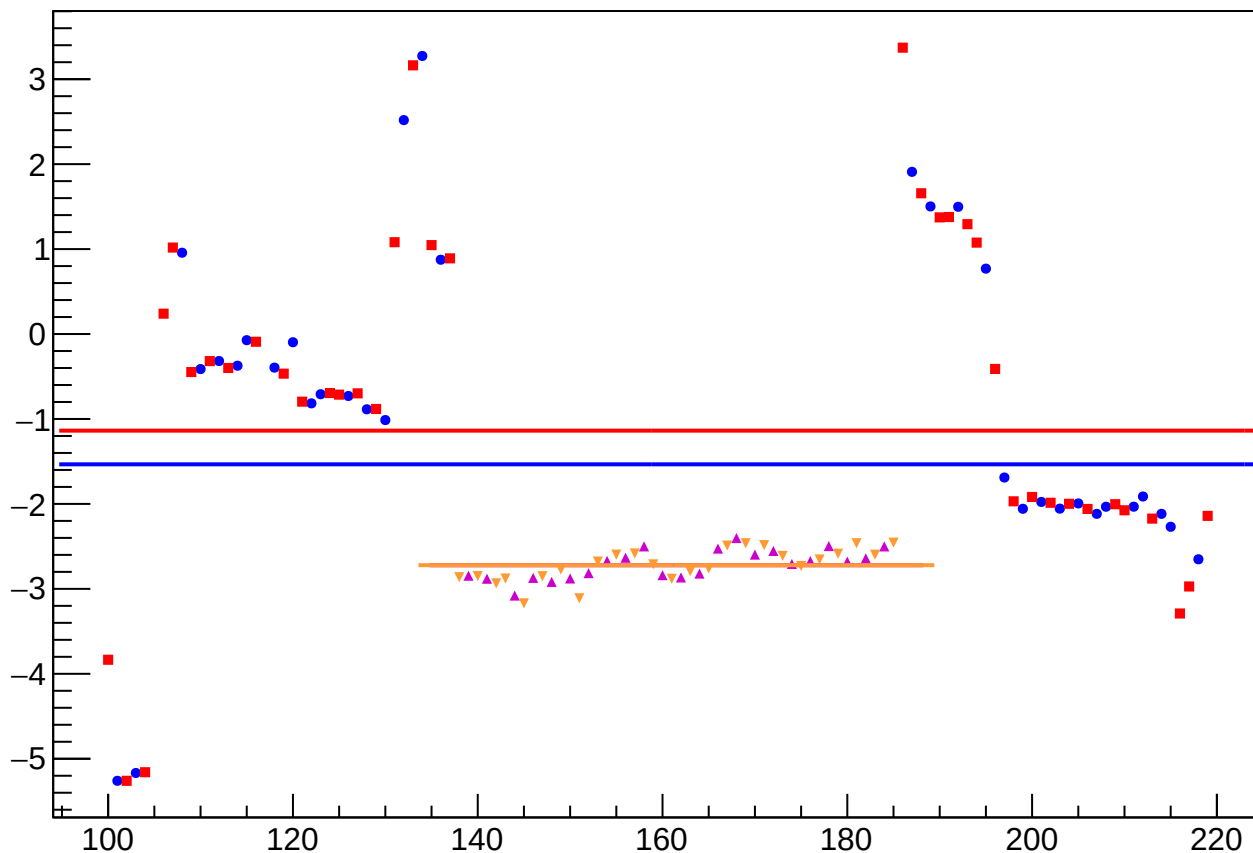
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 32937495.2/57

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 65242041.5/117

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32298411.8/59

yield_bpm0l04X_mean vs Slug



Right In: -1.534+/-0.000 χ^2/NDF : 209981828984.2/32

Left Out: -2.721+/-0.000 χ^2/NDF : 10397156971.6/24

Right Out: -1.137+/-0.000 χ^2/NDF : 251703816617.8/36

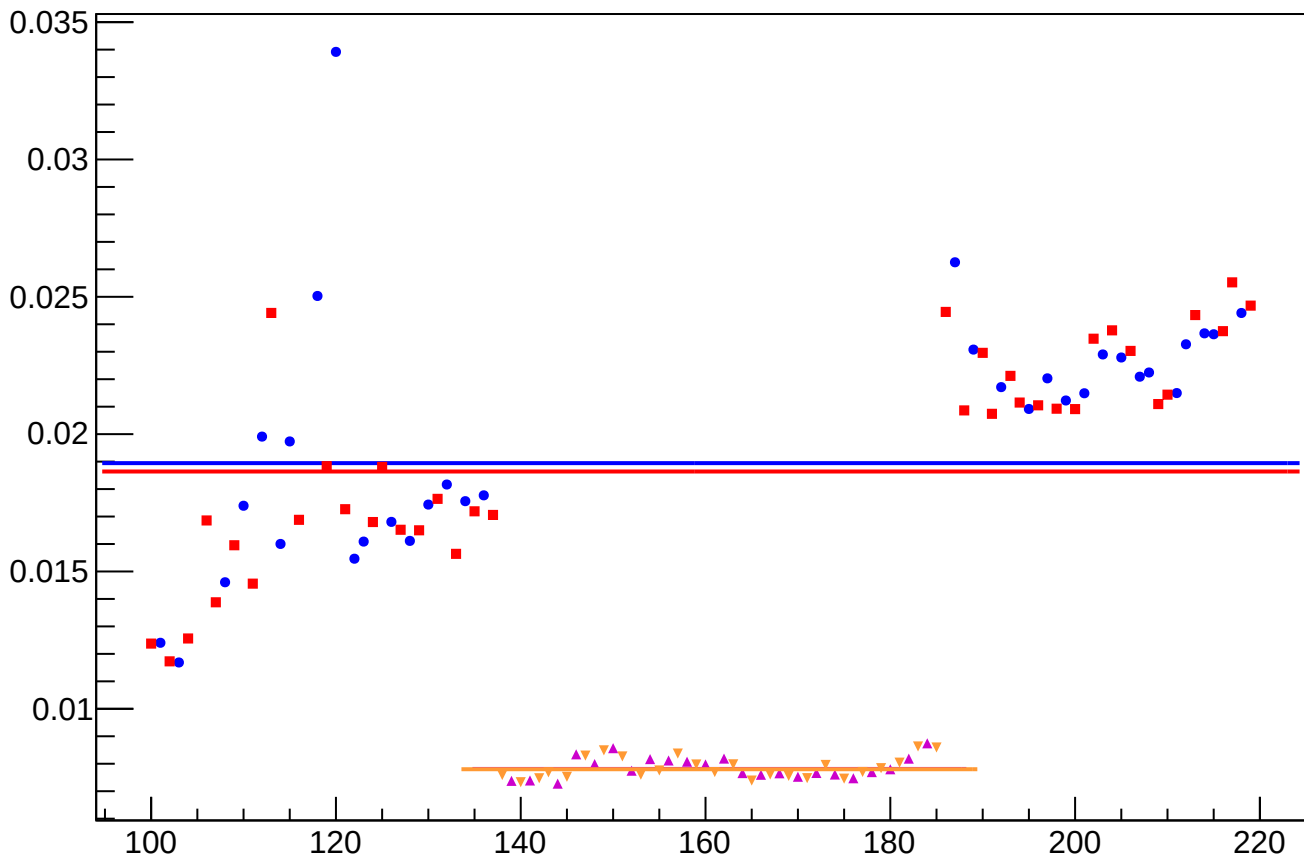
Left In: -2.722+/-0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.562+/-0.000 χ^2/NDF : 275469843264.0/57

All: -2.520+/-0.000 χ^2/NDF : 643184165153.5

- sign -2.476+/-0.000 χ^2/NDF : 366502747542.9/59

yield_bpm0l04X_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1648768.5/32

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 71164.4/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 1672178.8/36

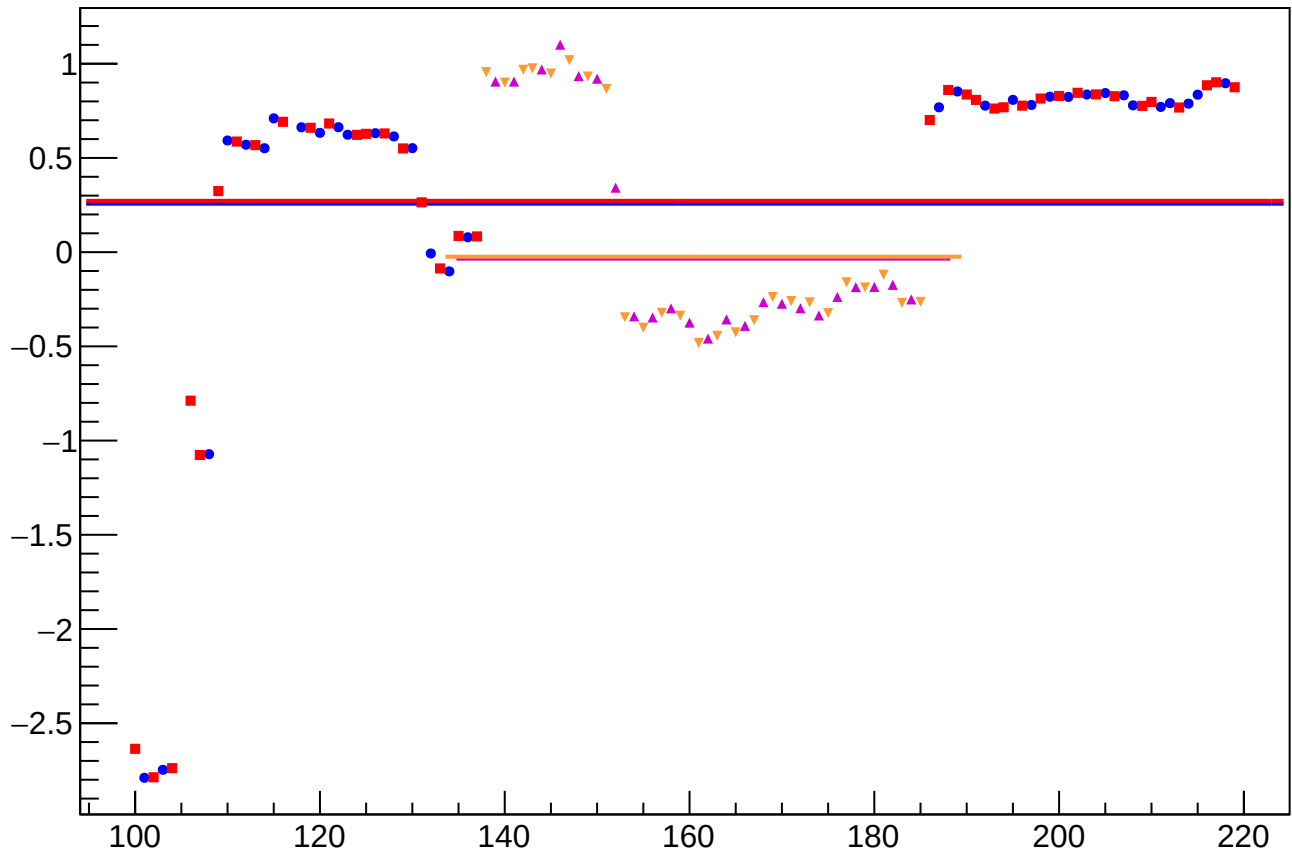
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 11426209.3/57

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 23138747.3/117

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 11700160.0/59

yield_bpm0l04Y_mean vs Slug



Right In: 0.257 $\pm$ 0.000 χ^2 /NDF: 908613330150.8/32

Left Out: -0.024 $\pm$ 0.000 χ^2 /NDF: 135451649275.0/24

Right Out: 0.272 $\pm$ 0.000 χ^2 /NDF: 971136065703.0/36

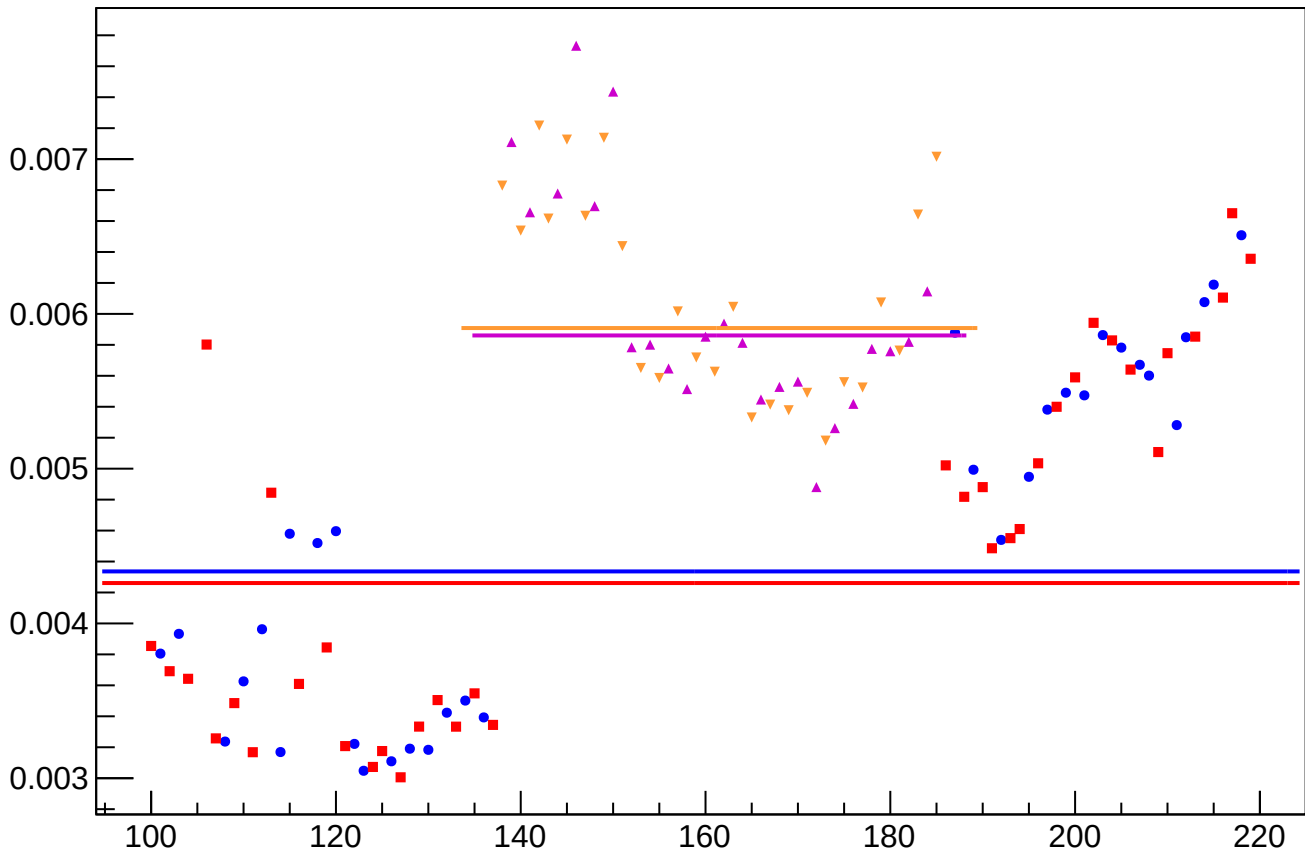
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF: 113929060918.1/22

+ sign 0.157 $\pm$ 0.000 χ^2 /NDF: 1068736369315.1/57

All: 0.165 $\pm$ 0.000 χ^2 /NDF: 2183588907712.0/114

- sign 0.173 $\pm$ 0.000 χ^2 /NDF: 1114681603211.3/59

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2032940.6/32

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2184143.5/36

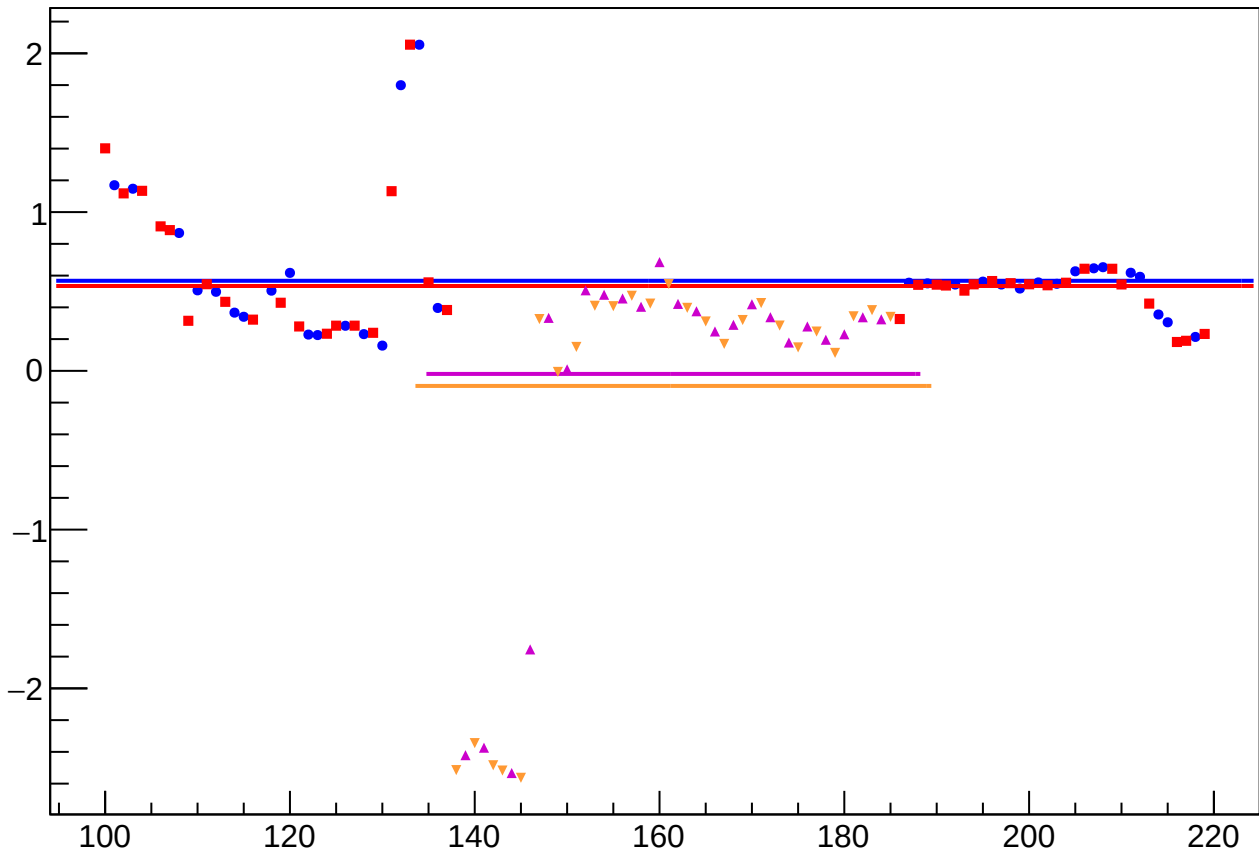
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3887470.0/57

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 8065958.1/117

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4160008.7/59

yield_bpm0l05X_mean vs Slug



Right In: 0.567 ± 0.000 $\chi^2/\text{NDF}: 55590145575.9/32$

Left Out: -0.095 ± 0.000 $\chi^2/\text{NDF}: 505606573631.9/24$

Right Out: 0.535 ± 0.000 $\chi^2/\text{NDF}: 68828861695.2/36$

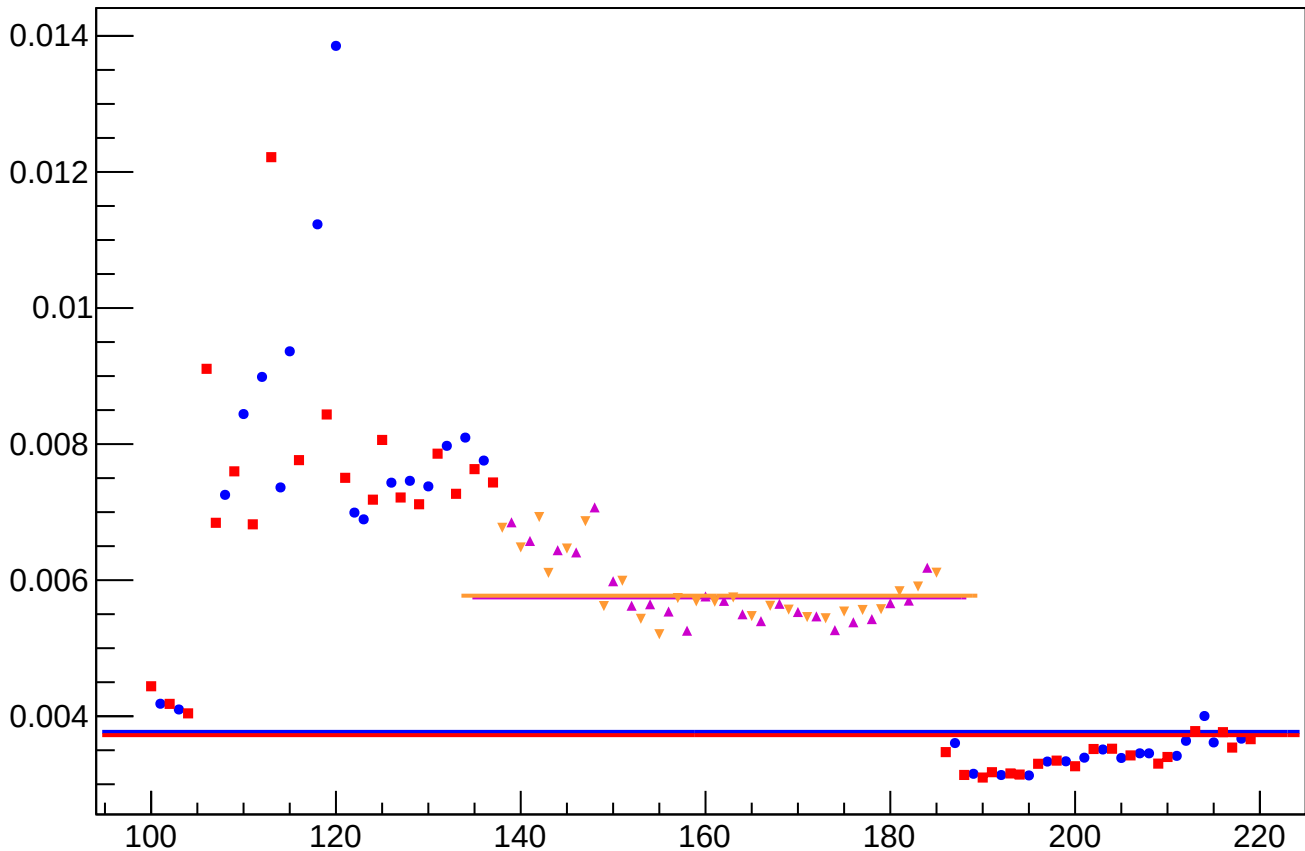
Left In: -0.019 ± 0.000 $\chi^2/\text{NDF}: 417104863944.5/22$

+ sign 0.354 ± 0.000 $\chi^2/\text{NDF}: 714498906372.6/57$

All: 0.365 ± 0.000 $\chi^2/\text{NDF}: 1308388096148.$

- sign 0.374 ± 0.000 $\chi^2/\text{NDF}: 593552661878.6/59$

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 3153988.8/32

Left Out: 0.006+/-0.000 χ^2/NDF :177680.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 3198605.2/36

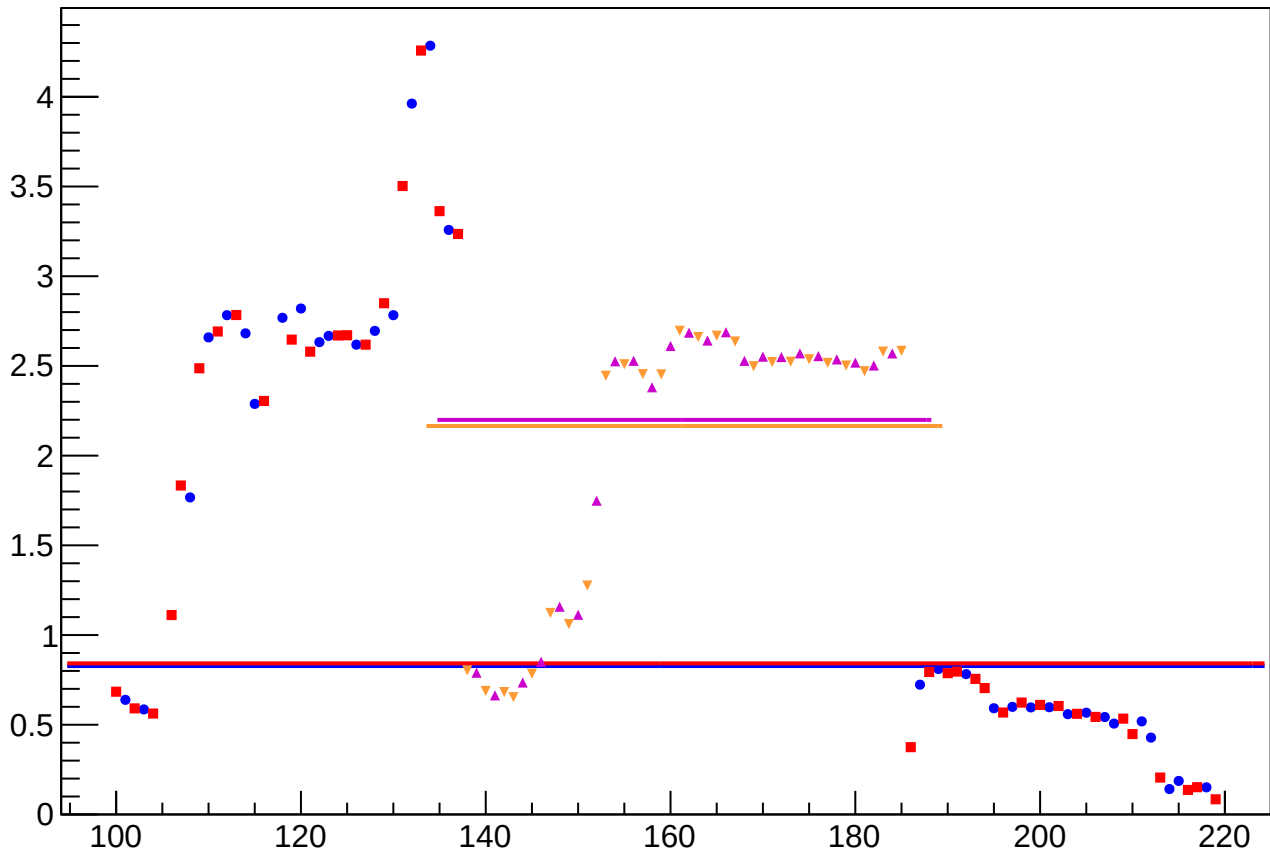
Left In: 0.006+/-0.000 χ^2/NDF :204066.4/22

+ sign 0.004+/-0.000 χ^2/NDF : 6132608.5/57

All: 0.004+/-0.000 χ^2/NDF : 12429475.1/117

- sign 0.004+/-0.000 χ^2/NDF : 6277967.7/59

yield_bpm0l05Y_mean vs Slug



Right In: 0.827 $\pm$ 0.000 χ^2 /NDF: 338245761990.0/32

Left Out: 2.165 $\pm$ 0.000 χ^2 /NDF: 292800056899.6/24

Right Out: 0.842 $\pm$ 0.000 χ^2 /NDF: 400196831622.0/36

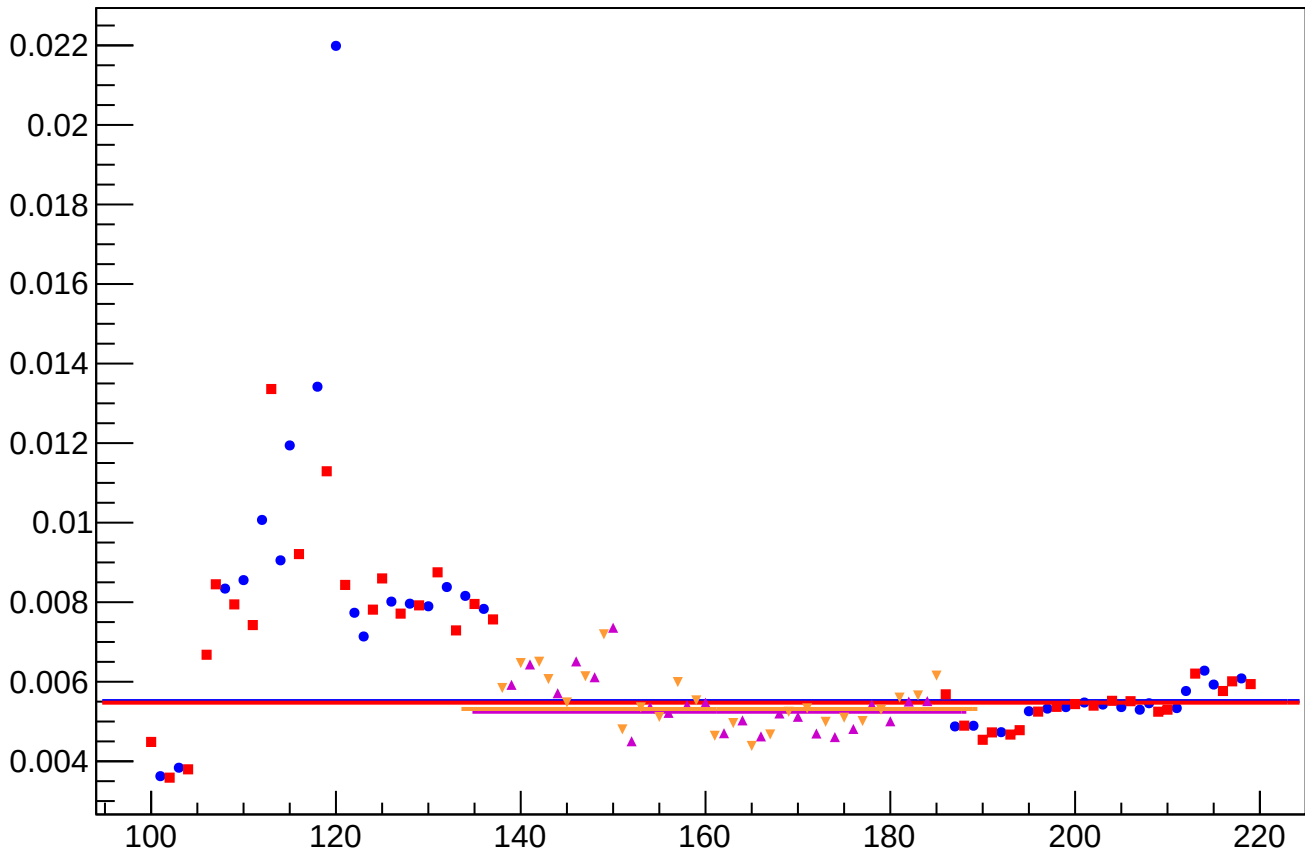
Left In: 2.199 $\pm$ 0.000 χ^2 /NDF: 253166239065.4/22

+ sign 1.535 $\pm$ 0.000 χ^2 /NDF: 1126511145780.3/57

All: 1.526 $\pm$ 0.000 χ^2 /NDF: 2309635219079.6

- sign 1.517 $\pm$ 0.000 χ^2 /NDF: 1182955541223.7/59

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2059872.7/32

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1931944.5/36

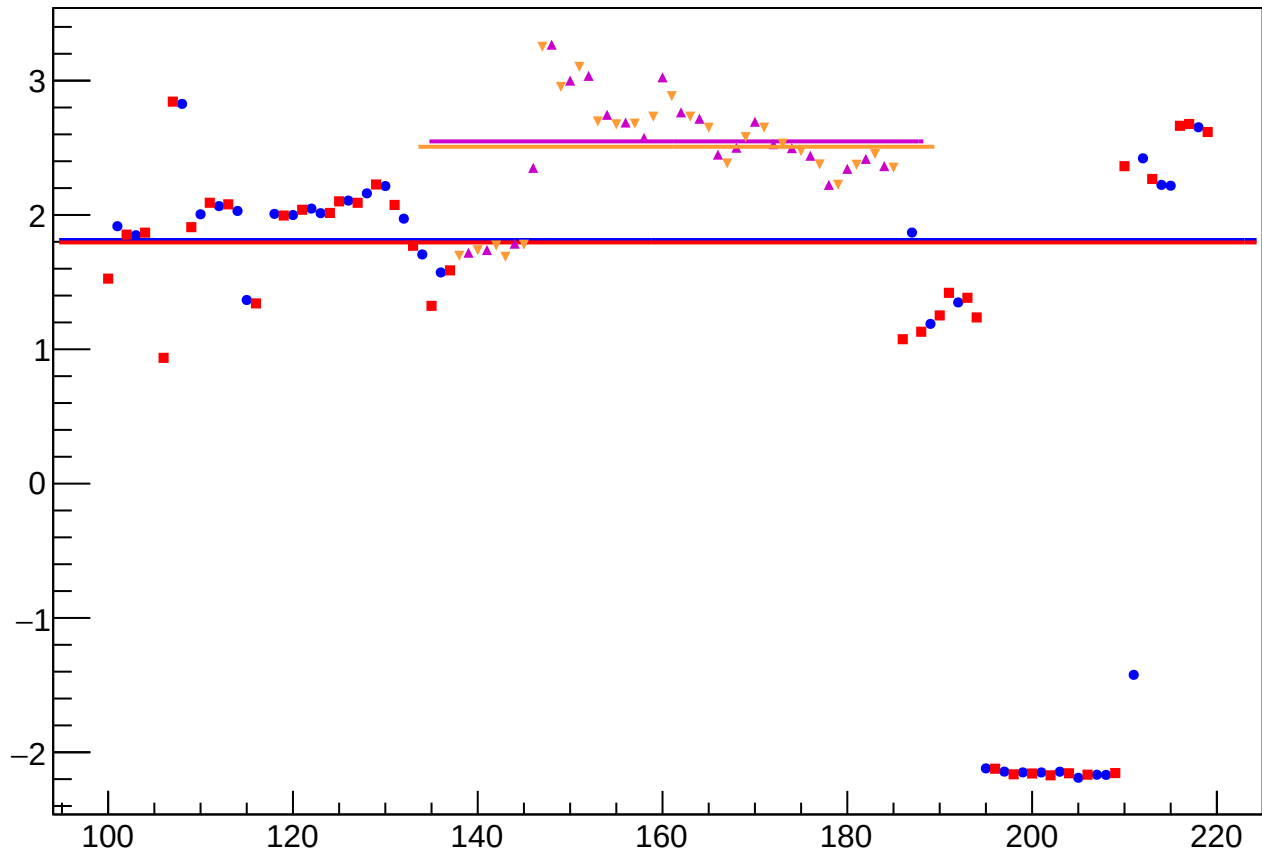
Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2480608.3/57

All: 0.005+/-0.000 χ^2/NDF : 4871084.7/117

- sign 0.005+/-0.000 χ^2/NDF : 2387784.2/59

yield_bpm0l06X_mean vs Slug



Right In: 1.814 $\pm$ 0.000 χ^2 /NDF: 168380596340.6/32

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.795 $\pm$ 0.000 χ^2 /NDF: 159693221864.9/36

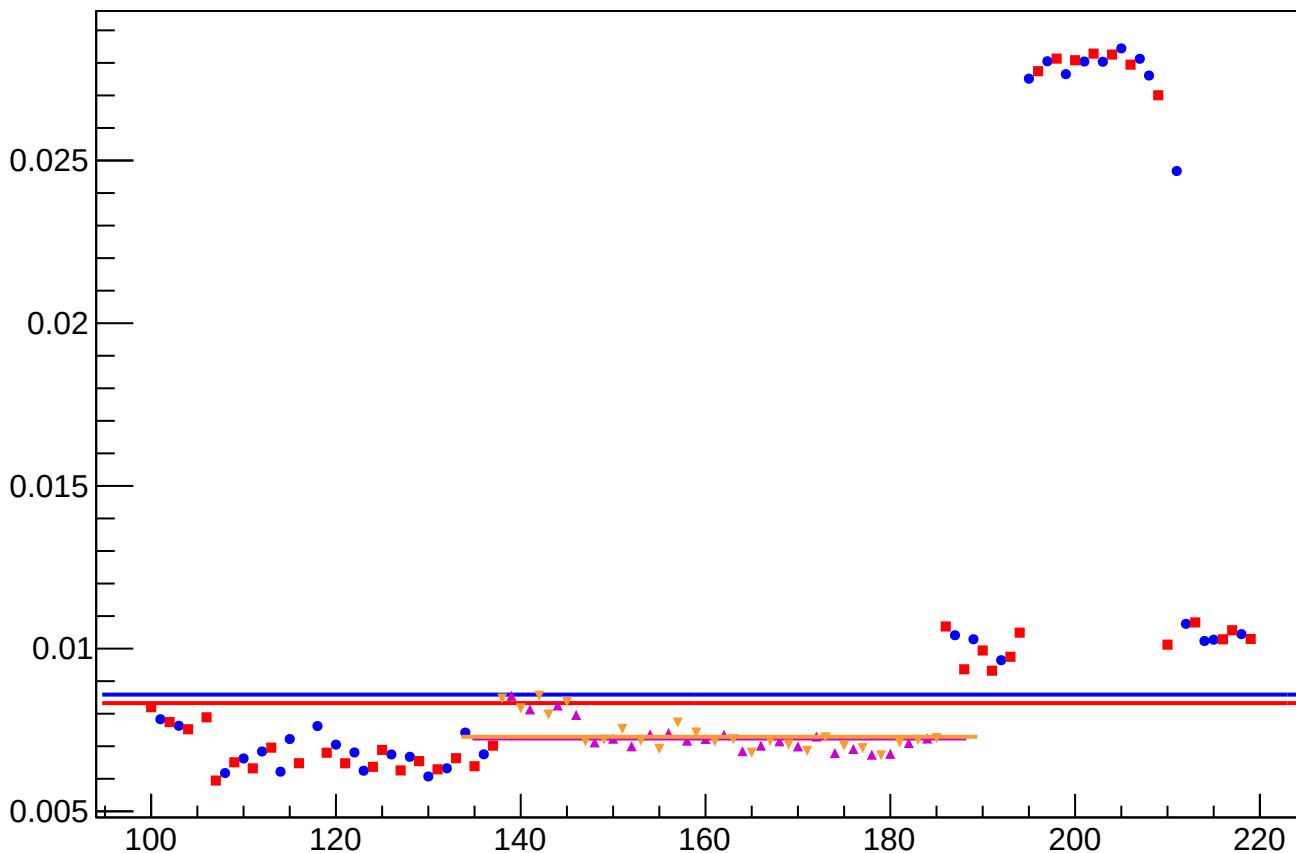
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.256 $\pm$ 0.000 χ^2 /NDF: 278134173672.6/57

All: 2.246 $\pm$ 0.000 χ^2 /NDF: 557507394232.4

- sign 2.236 $\pm$ 0.000 χ^2 /NDF: 279272204429.1/59

yield_bpm0l06X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 7723463.4/32

Left Out: 0.007+/-0.000 χ^2/NDF :140788.4/24

Right Out: 0.008+/-0.000 χ^2/NDF : 6582819.3/36

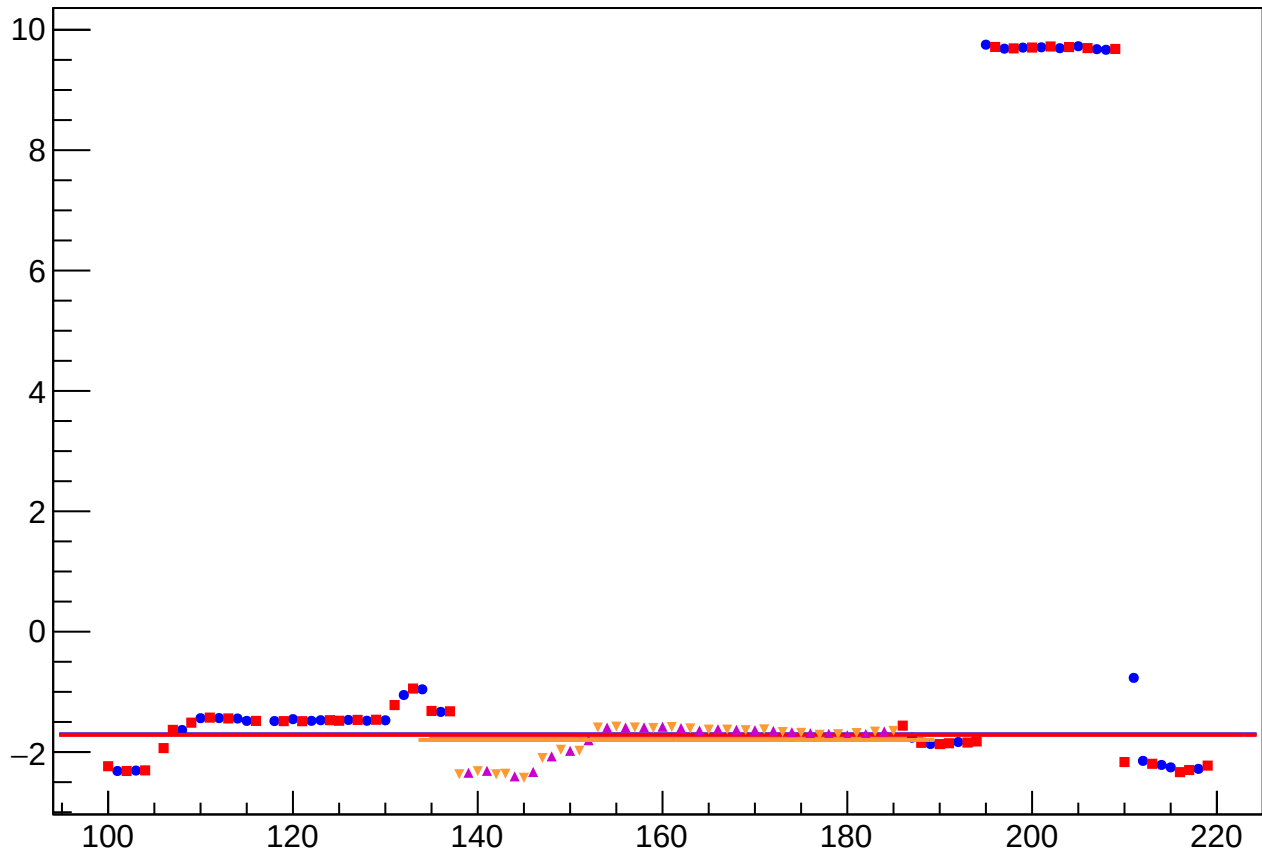
Left In: 0.007+/-0.000 χ^2/NDF :125233.2/22

+ sign 0.008+/-0.000 χ^2/NDF : 8264056.3/57

All: 0.008+/-0.000 χ^2/NDF : 15285050.7/117

- sign 0.008+/-0.000 χ^2/NDF : 7018150.3/59

yield_bpm0l06Y_mean vs Slug



Right In: -1.706+/-0.000 χ^2/NDF : 418041813767.4/32

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.714+/-0.000 χ^2/NDF : 410213697314.9/36

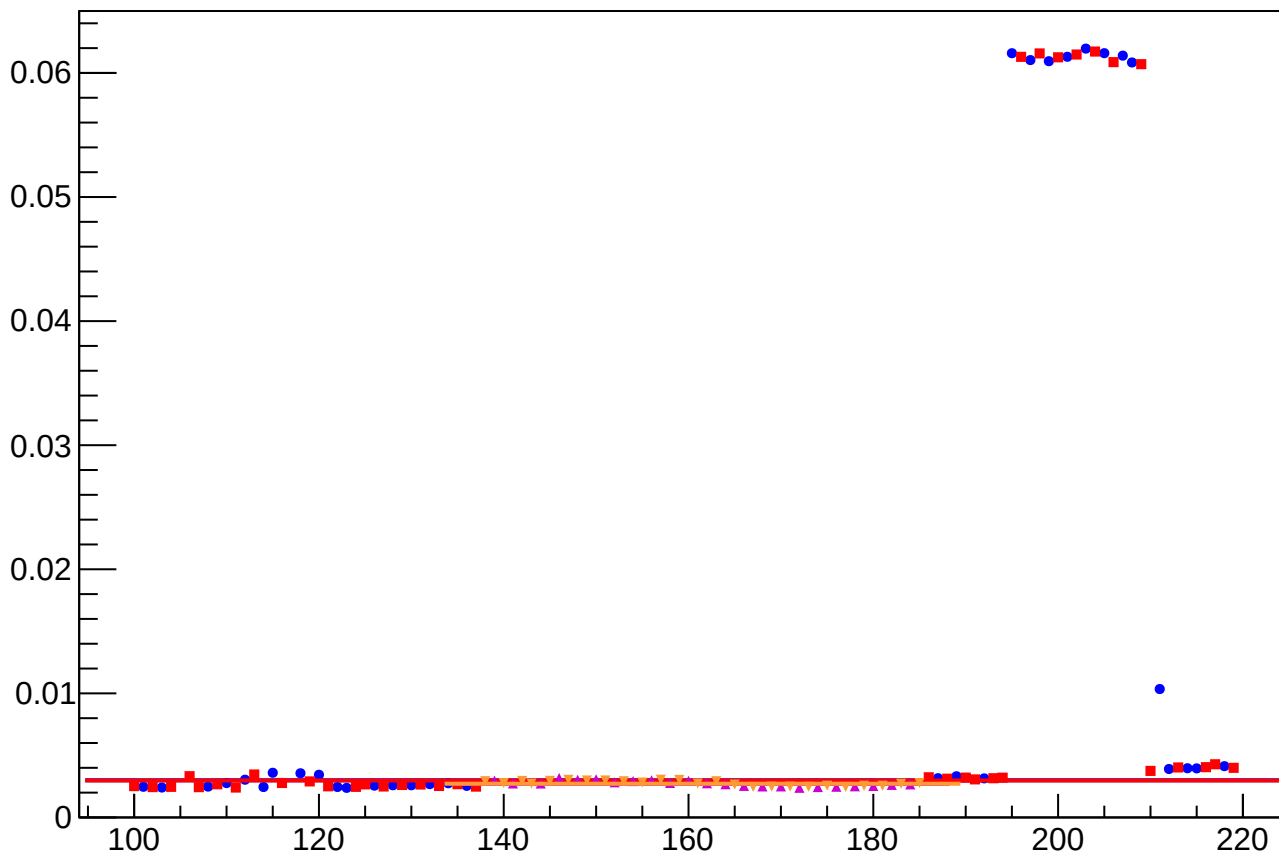
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.767+/-0.000 χ^2/NDF : 610433257991.6/57

All: -1.763+/-0.000 χ^2/NDF : 1185699459629

- sign -1.760+/-0.000 χ^2/NDF : 575166058976.0/59

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 12183761.6/32

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 10478092.9/36

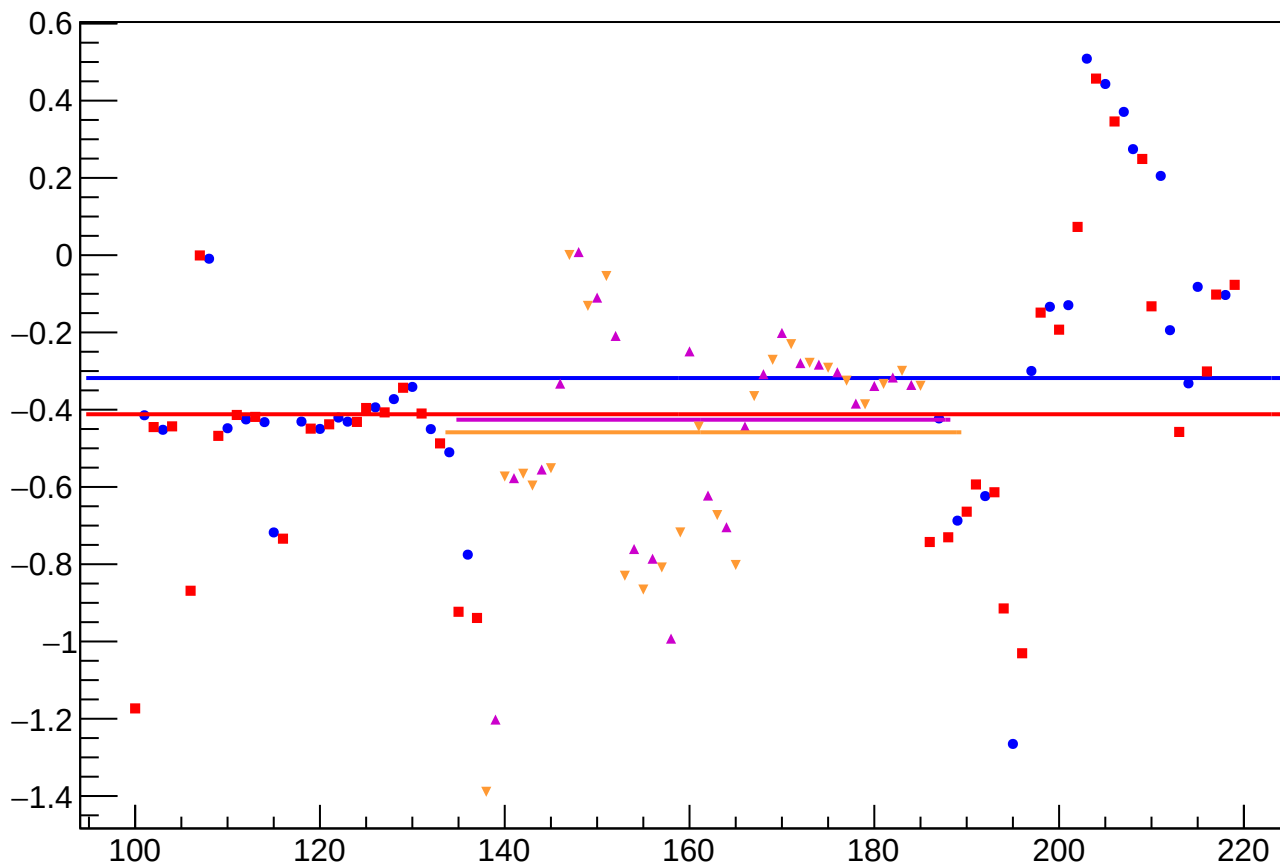
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 12510056.0/57

All: 0.003+/-0.000 χ^2/NDF : 23349650.5/117

- sign 0.003+/-0.000 χ^2/NDF : 10839584.6/59

yield_bpm0l07X_mean vs Slug



Right In: -0.318 ± 0.000 $\chi^2/\text{NDF}: 11025559611.5/32$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 9916462814.9/24$

Right Out: -0.412 ± 0.000 $\chi^2/\text{NDF}: 10650195659.7/36$

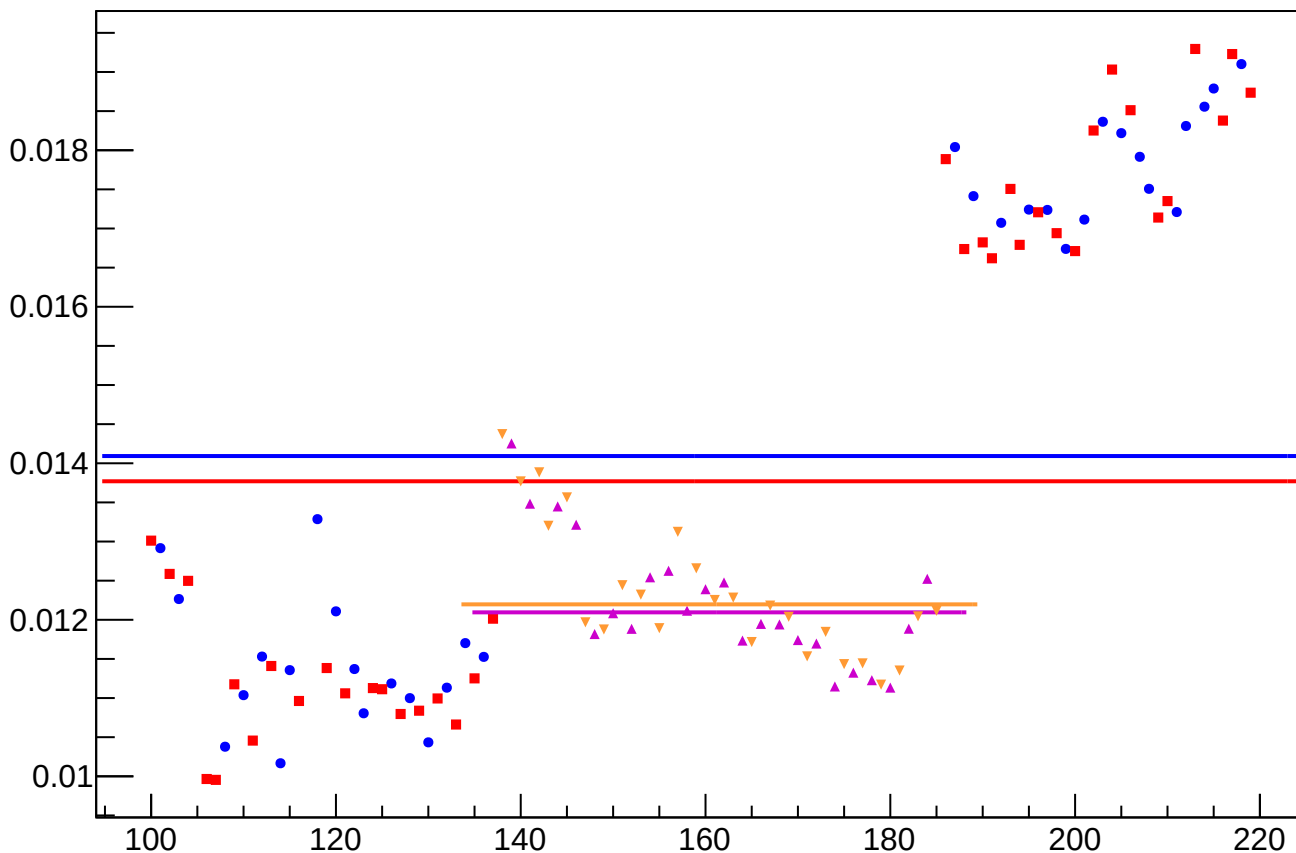
Left In: -0.426 ± 0.000 $\chi^2/\text{NDF}: 8424222576.0/22$

+ sign -0.400 ± 0.000 $\chi^2/\text{NDF}: 21915225991.2/57$

All: -0.410 ± 0.000 $\chi^2/\text{NDF}: 41039853120.5$

- sign -0.420 ± 0.000 $\chi^2/\text{NDF}: 19084792008.1/59$

yield_bpm0l07X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1718447.5/32

Left Out: 0.012+/-0.000 χ^2/NDF :141850.9/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2084896.5/36

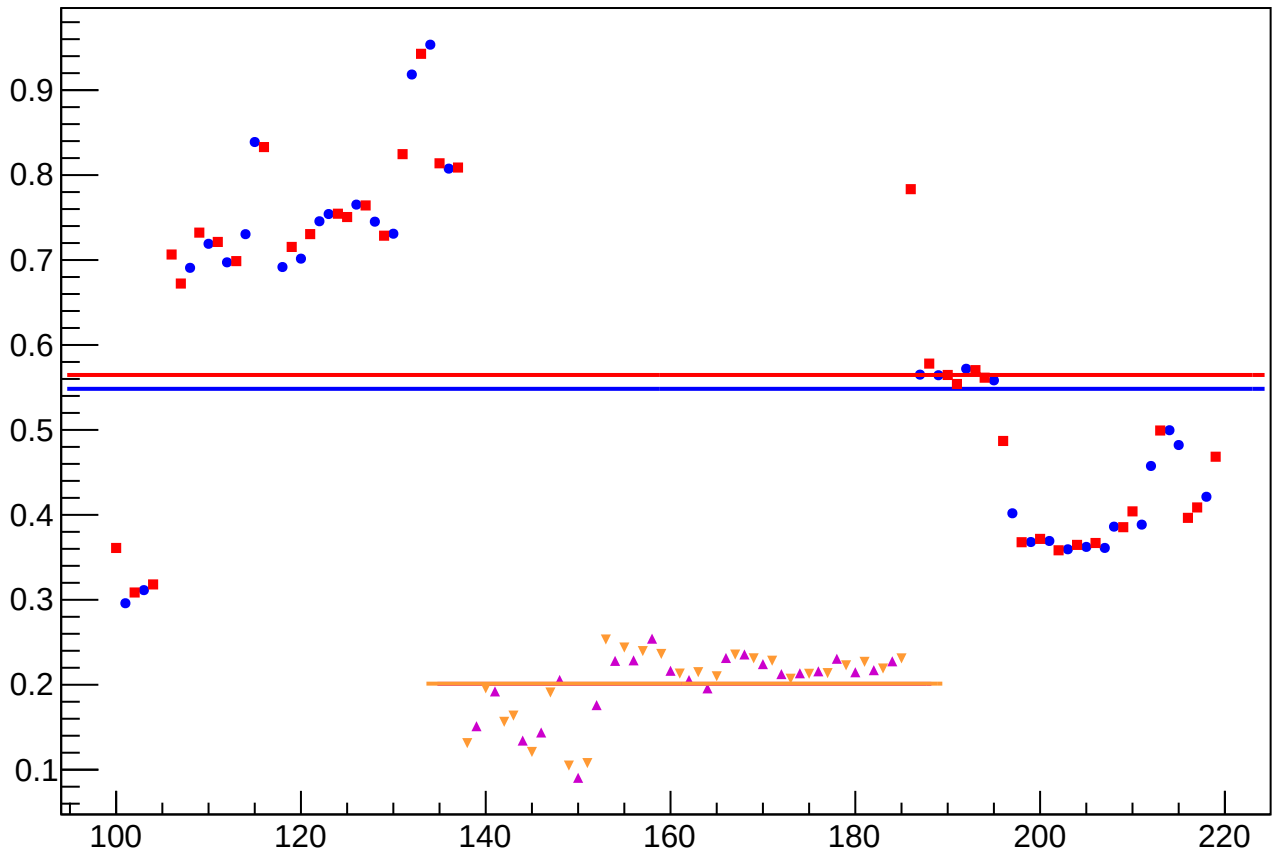
Left In: 0.012+/-0.000 χ^2/NDF :127308.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 2214718.5/57

All: 0.013+/-0.000 χ^2/NDF : 4719988.6/117

- sign 0.013+/-0.000 χ^2/NDF : 2501683.6/59

yield_bpm0l07Y_mean vs Slug



Right In: 0.548 $\pm$ 0.000 χ^2 /NDF: 77705715717.2/32

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.565 $\pm$ 0.000 χ^2 /NDF: 77723971742.5/36

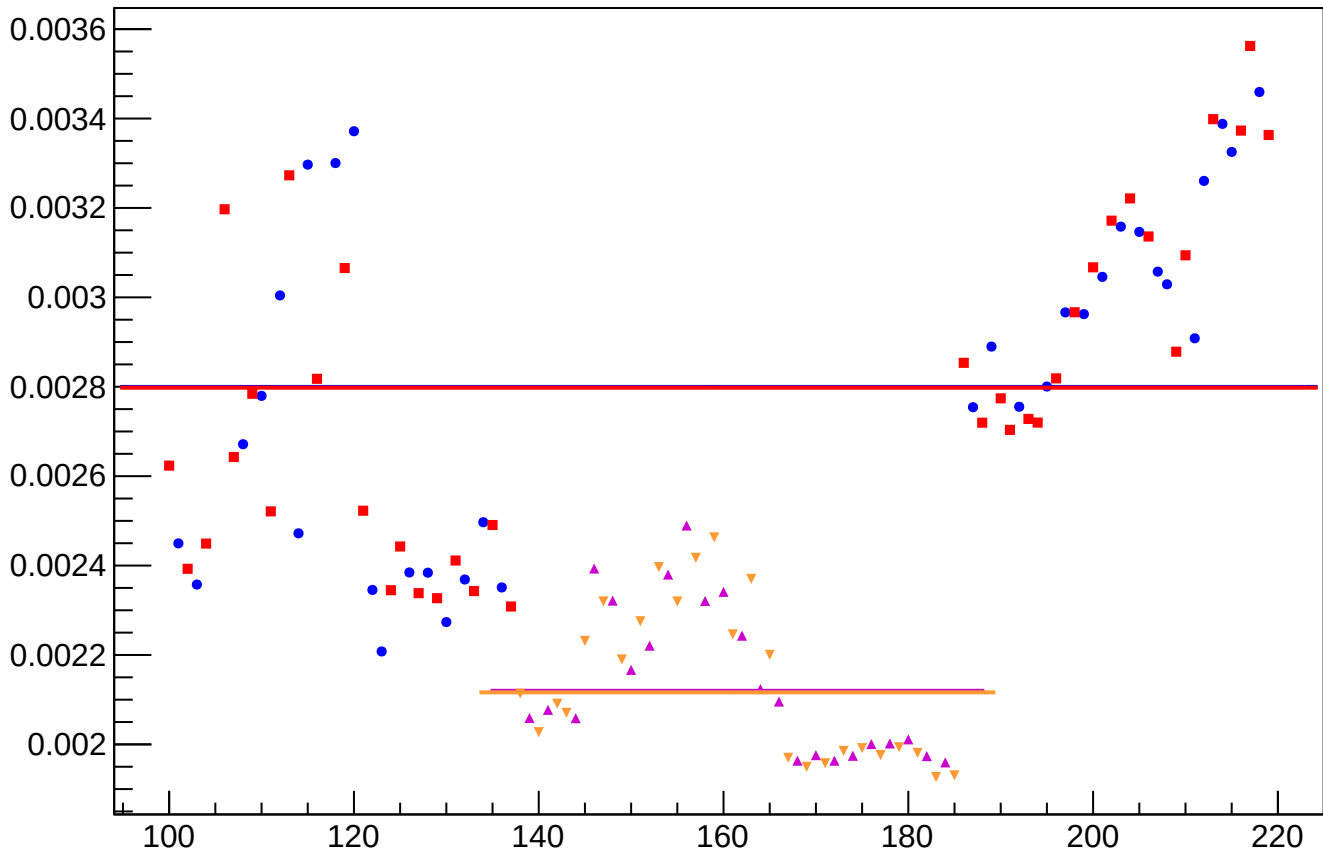
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.324 $\pm$ 0.000 χ^2 /NDF: 257455509142.0/57

All: 0.332 $\pm$ 0.000 χ^2 /NDF: 534985798288.6

- sign 0.341 $\pm$ 0.000 χ^2 /NDF: 276699306788.7/59

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 593831.8/32

Left Out: 0.002+/-0.000 χ^2/NDF : 224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 565959.4/36

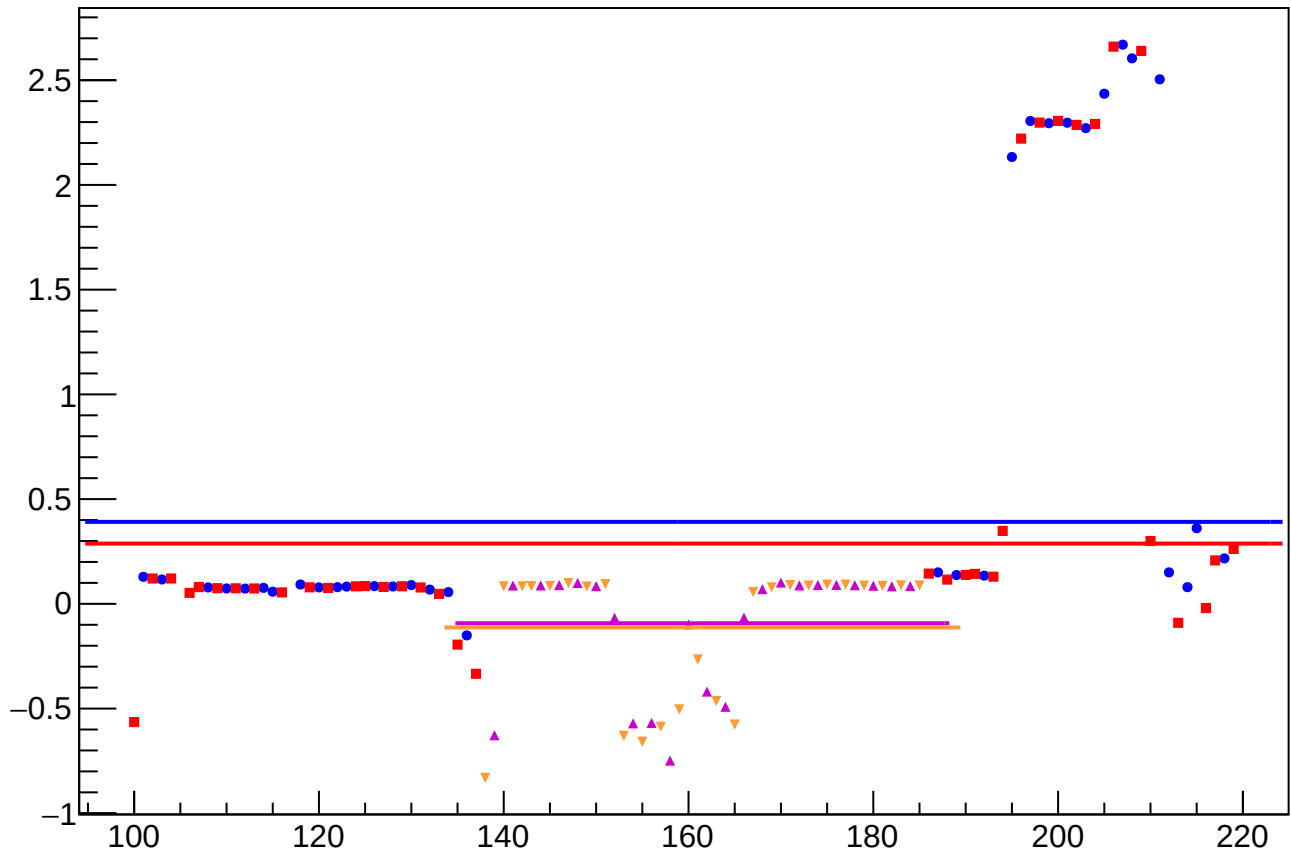
Left In: 0.002+/-0.000 χ^2/NDF : 189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 2156698.0/57

All: 0.002+/-0.000 χ^2/NDF : 4259324.3/117

- sign 0.002+/-0.000 χ^2/NDF : 2099718.1/59

yield_bpm0l08X_mean vs Slug



Right In: 0.391+/-0.000 χ^2/NDF : 61460459170.6/32

Left Out: -0.113+/-0.000 χ^2/NDF : 13667354077.1/24

Right Out: 0.288+/-0.000 χ^2/NDF : 52423515713.0/36

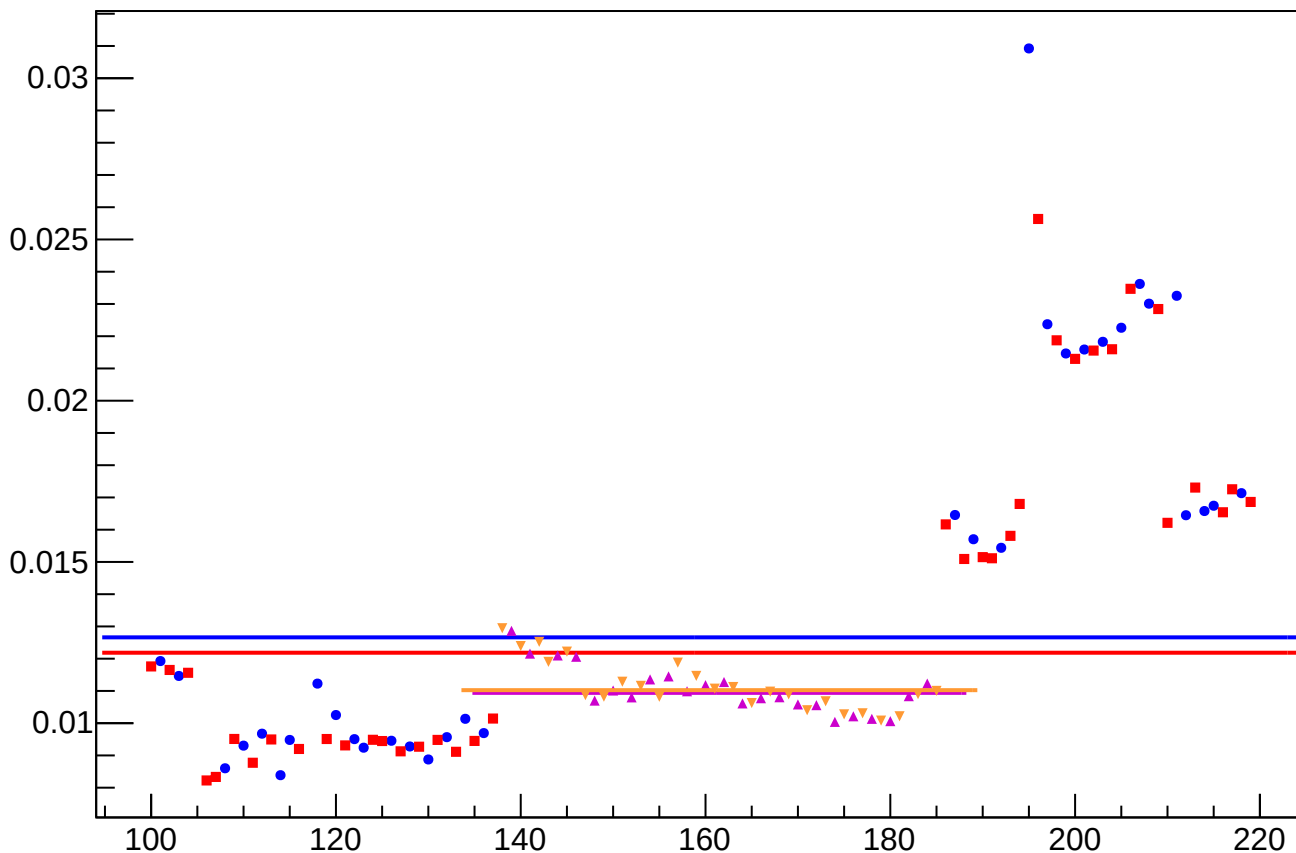
Left In: -0.093+/-0.000 χ^2/NDF : 11051944893.7/22

+ sign 0.089+/-0.000 χ^2/NDF : 89867328940.5/57

All: 0.084+/-0.000 χ^2/NDF : 162377973431.4

- sign 0.078+/-0.000 χ^2/NDF : 72496194992.5/59

yield_bpm0l08X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 4576142.8/32

Left Out: 0.011+/-0.000 χ^2/NDF :141501.7/24

Right Out: 0.012+/-0.000 χ^2/NDF : 4404792.0/36

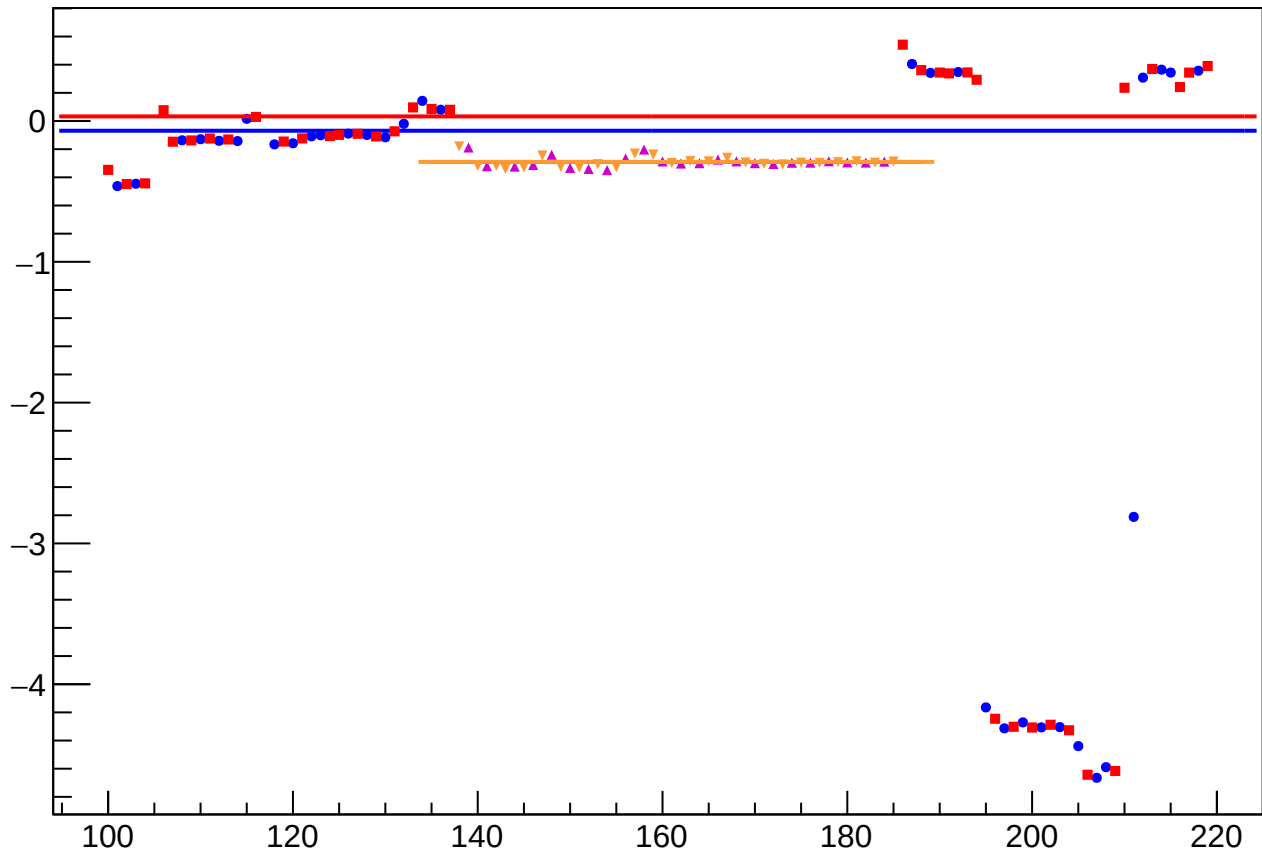
Left In: 0.011+/-0.000 χ^2/NDF :128914.2/22

+ sign 0.012+/-0.000 χ^2/NDF : 5028750.5/57

All: 0.012+/-0.000 χ^2/NDF : 9763555.6/117

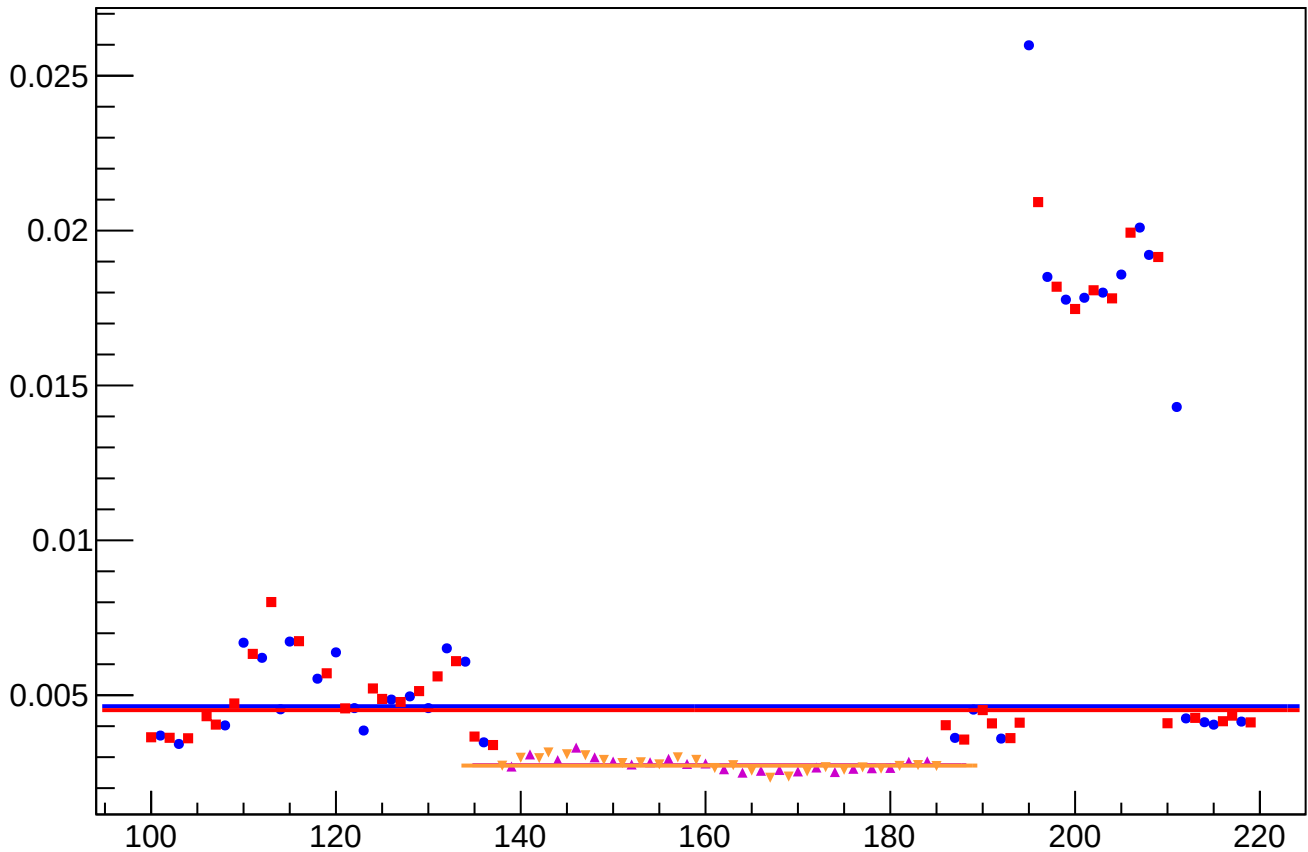
- sign 0.011+/-0.000 χ^2/NDF : 4726830.3/59

yield_bpm0l08Y_mean vs Slug



Right In: -0.069+/-0.000	χ^2/NDF : 396893610802.1/32	+ sign -0.246+/-0.000	χ^2/NDF : 423117691990.0/57
Left Out: -0.290+/-0.000	χ^2/NDF : 2877519093.0/24	All: -0.228+/-0.000	χ^2/NDF : 842179283755.8
Right Out: 0.033+/-0.000	χ^2/NDF : 356864128232.7/36	- sign -0.211+/-0.000	χ^2/NDF : 417266709491.4/59
Left In: -0.291+/-0.000	χ^2/NDF : 3125402243.3/22		

yield_bpm0l08Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2/NDF : 8606418.6/32

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 206527.1/24

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 6993907.2/36

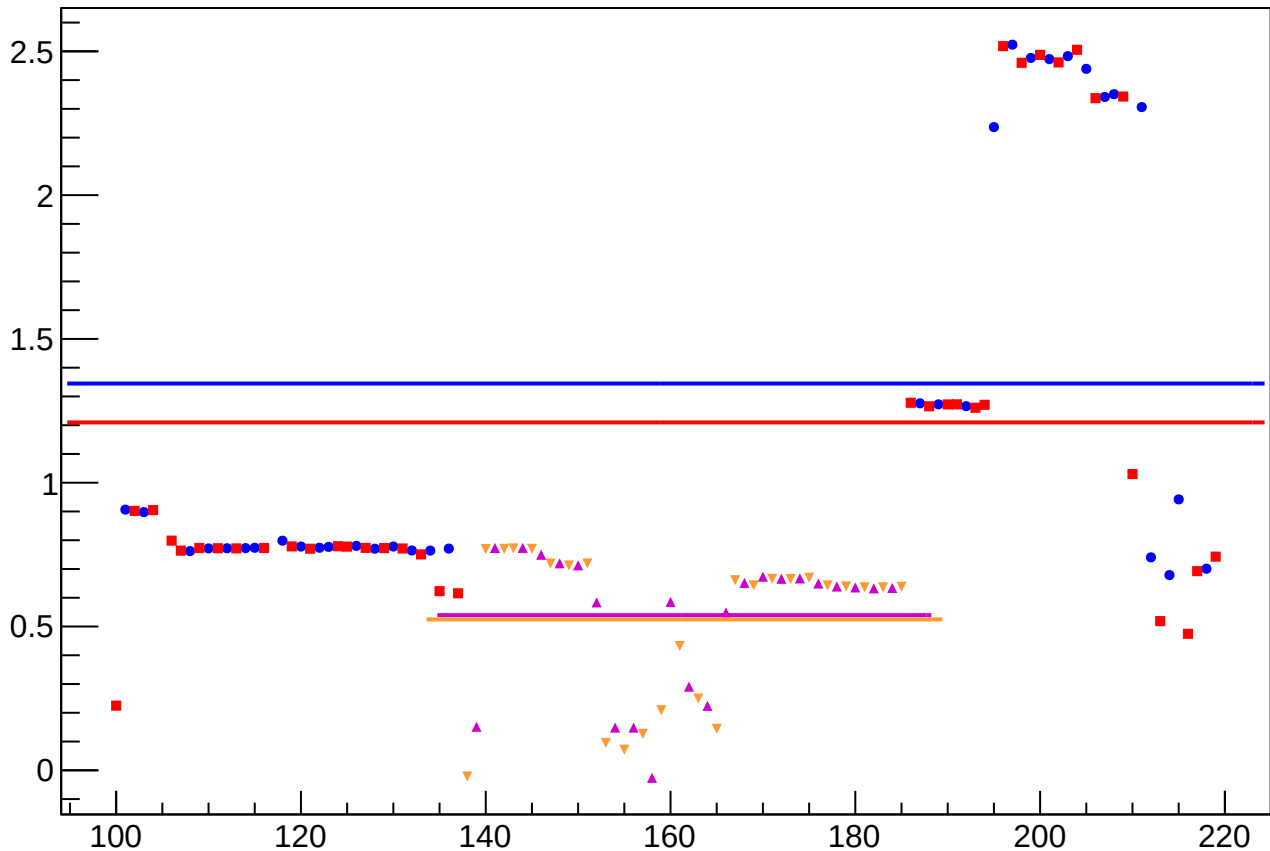
Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2/NDF : 12316180.4/57

All: 0.003 $\pm$ 0.000 χ^2/NDF : 22917147.8/117

- sign 0.003 $\pm$ 0.000 χ^2/NDF : 10587544.4/59

yield_bpm0l09X_mean vs Slug



Right In: 1.345 $\pm$ 0.000 χ^2 /NDF: 60520474862.6/32

Left Out: 0.525 $\pm$ 0.000 χ^2 /NDF: 9623503169.9/24

+ sign 0.861 $\pm$ 0.000 χ^2 /NDF: 112213955372.5/57

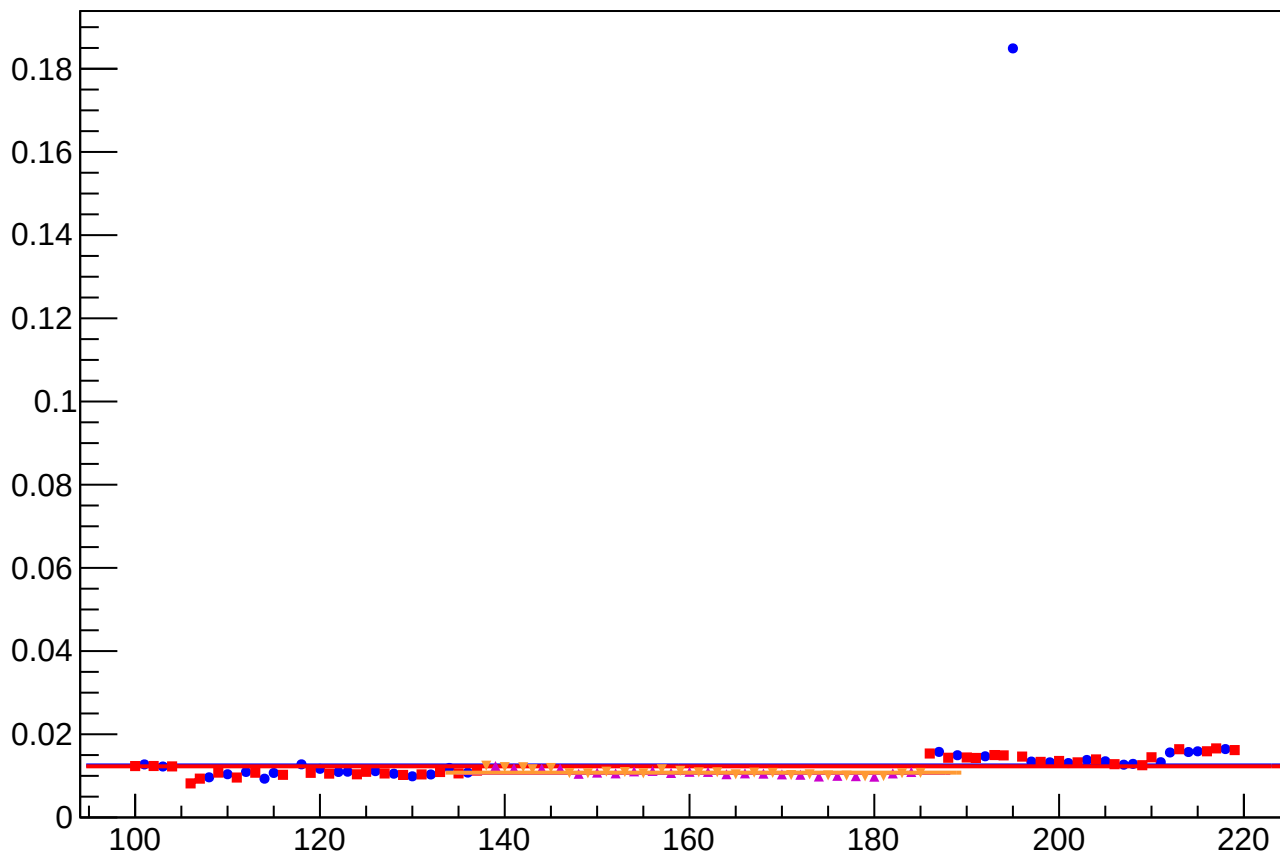
Right Out: 1.210 $\pm$ 0.000 χ^2 /NDF: 57548000355.3/36

All: 0.850 $\pm$ 0.000 χ^2 /NDF: 207030399760.2

Left In: 0.540 $\pm$ 0.000 χ^2 /NDF: 7860539135.5/22

- sign 0.840 $\pm$ 0.000 χ^2 /NDF: 94757262523.2/59

yield_bpm0l09X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2207147.4/32

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 1145263.0/36

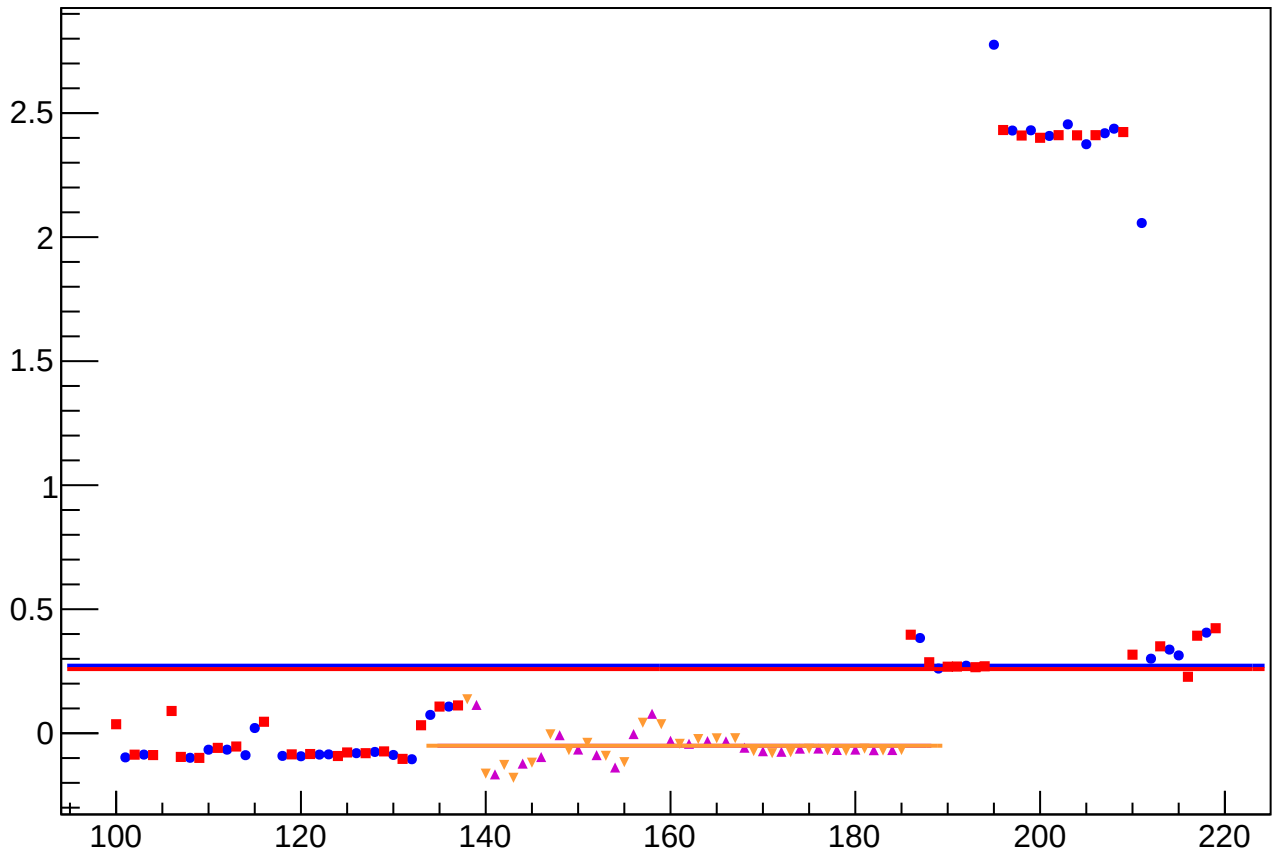
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2717311.8/57

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4316686.6/117

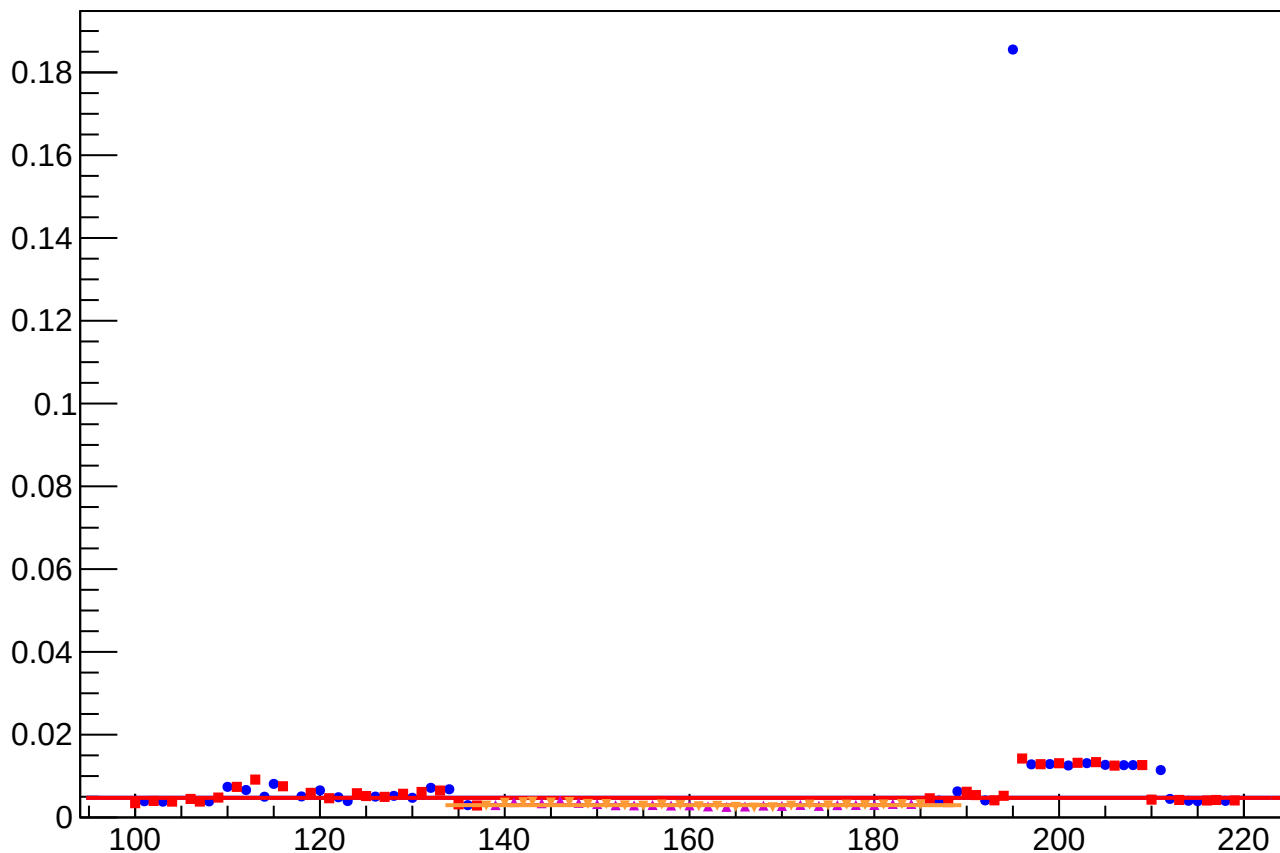
- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1597870.2/59

yield_bpm0l09Y_mean vs Slug



Right In: 0.272 $\pm$ 0.000	χ^2 /NDF: 196896371474.2/32	+ sign 0.024 $\pm$ 0.000	χ^2 /NDF: 250783153837.1/57
Left Out: -0.050 $\pm$ 0.000	χ^2 /NDF: 7271496478.6/24	All: 0.029 $\pm$ 0.000	χ^2 /NDF: 465799211163.1
Right Out: 0.259 $\pm$ 0.000	χ^2 /NDF: 162517921756.7/36	- sign 0.033 $\pm$ 0.000	χ^2 /NDF: 214907915191.7/59
Left In: -0.051 $\pm$ 0.000	χ^2 /NDF: 6128769990.8/22		

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 7511553.8/32

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 5261990.6/36

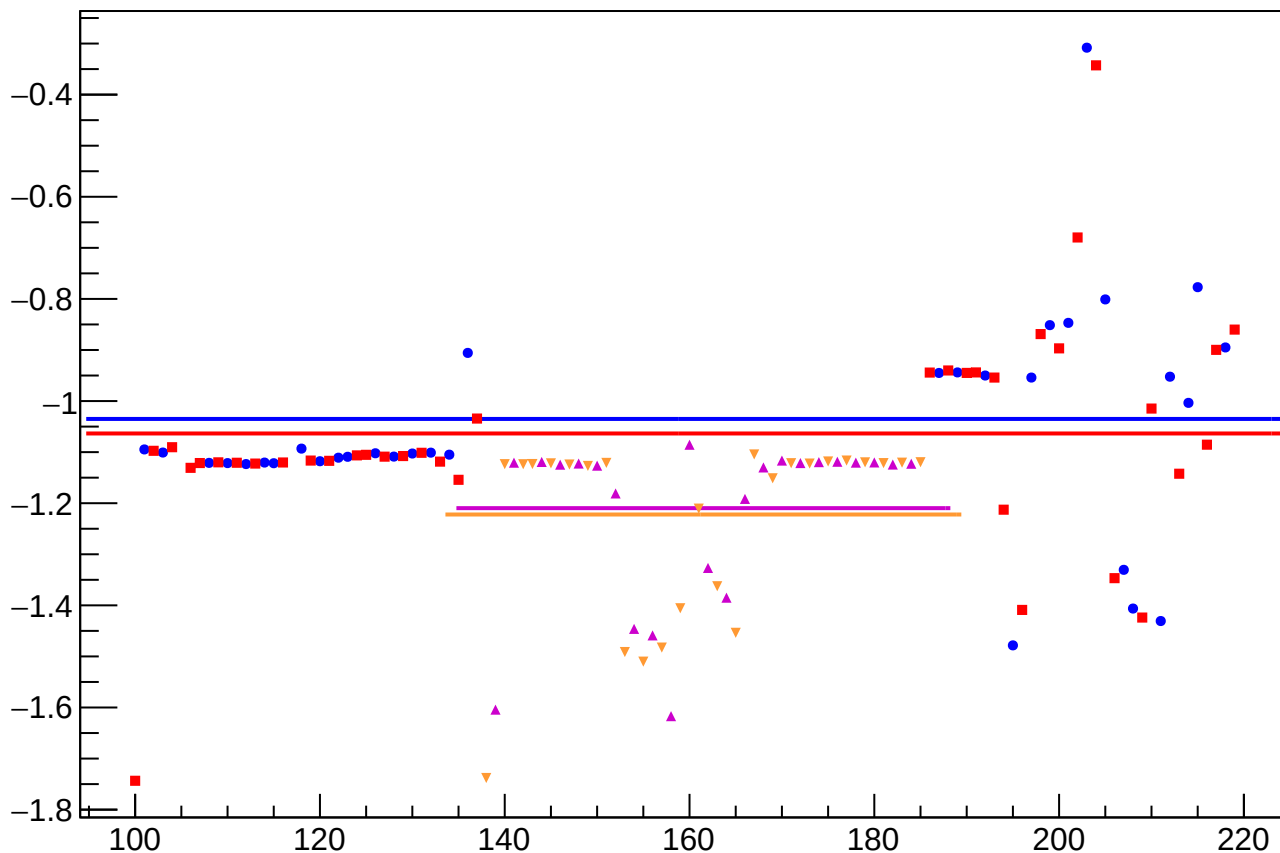
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 10906240.4/57

All: 0.003+/-0.000 χ^2/NDF : 19411289.2/117

- sign 0.003+/-0.000 χ^2/NDF : 8482677.5/59

yield_bpm0l10X_mean vs Slug



Right In: -1.035+/-0.000 χ^2/NDF : 5944587734.1/32

Left Out: -1.222+/-0.000 χ^2/NDF : 5279548861.3/24

Right Out: -1.063+/-0.000 χ^2/NDF : 4915432608.4/36

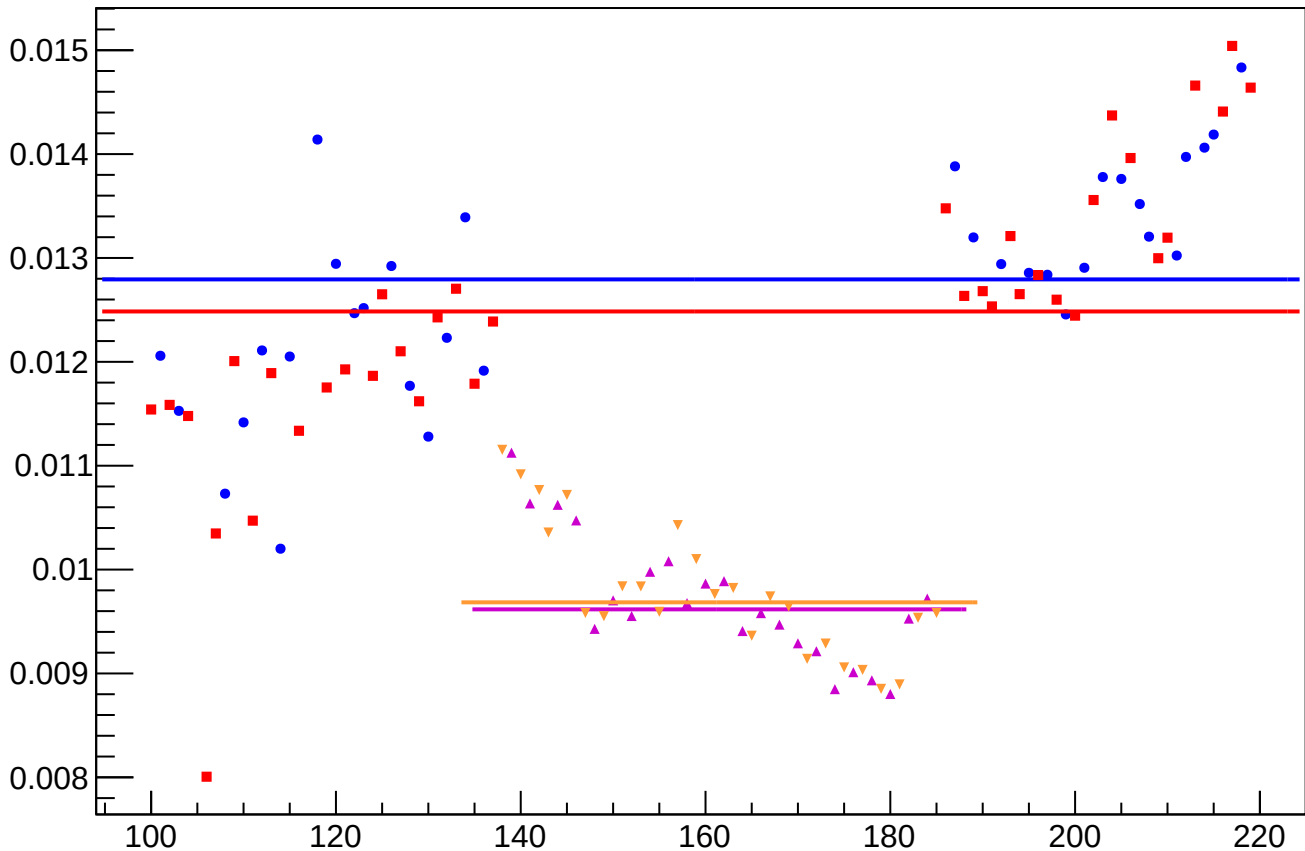
Left In: -1.210+/-0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.154+/-0.000 χ^2/NDF : 13621991932.1/57

All: -1.153+/-0.000 χ^2/NDF : 24585754395.6/100

- sign -1.151+/-0.000 χ^2/NDF : 10962356550.5/59

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 208108.2/32

Left Out: 0.010+/-0.000 χ^2/NDF :134863.6/24

Right Out: 0.012+/-0.000 χ^2/NDF : 478546.3/36

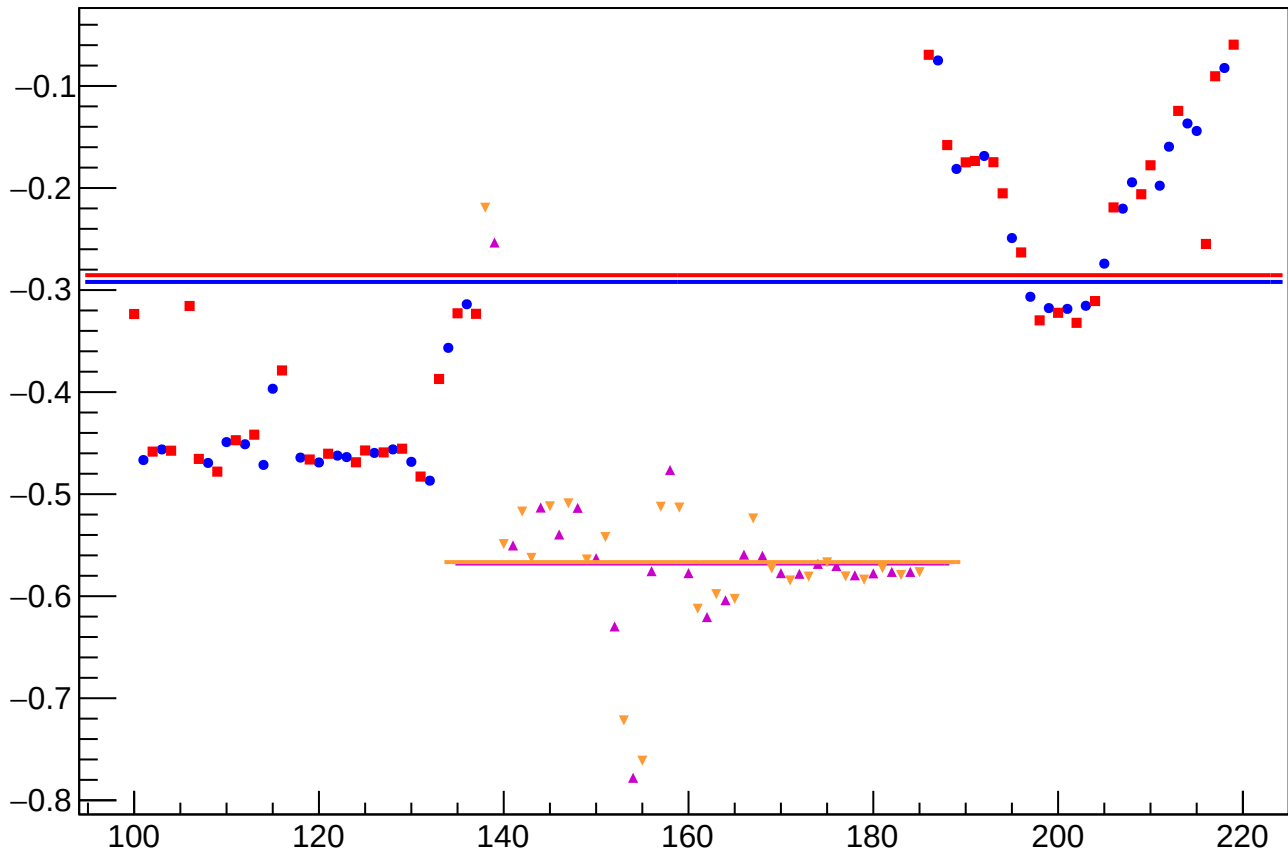
Left In: 0.010+/-0.000 χ^2/NDF :119823.1/22

+ sign 0.011+/-0.000 χ^2/NDF : 1666990.6/57

All: 0.011+/-0.000 χ^2/NDF : 3454496.2/117

- sign 0.011+/-0.000 χ^2/NDF : 1786798.8/59

yield_bpm0l10Y_mean vs Slug



Right In: -0.292 ± 0.000 $\chi^2/\text{NDF}: 17023551396.9/32$

Left Out: -0.567 ± 0.000 $\chi^2/\text{NDF}: 13368458519.3/24$

Right Out: -0.285 ± 0.000 $\chi^2/\text{NDF}: 19240969677.3/36$

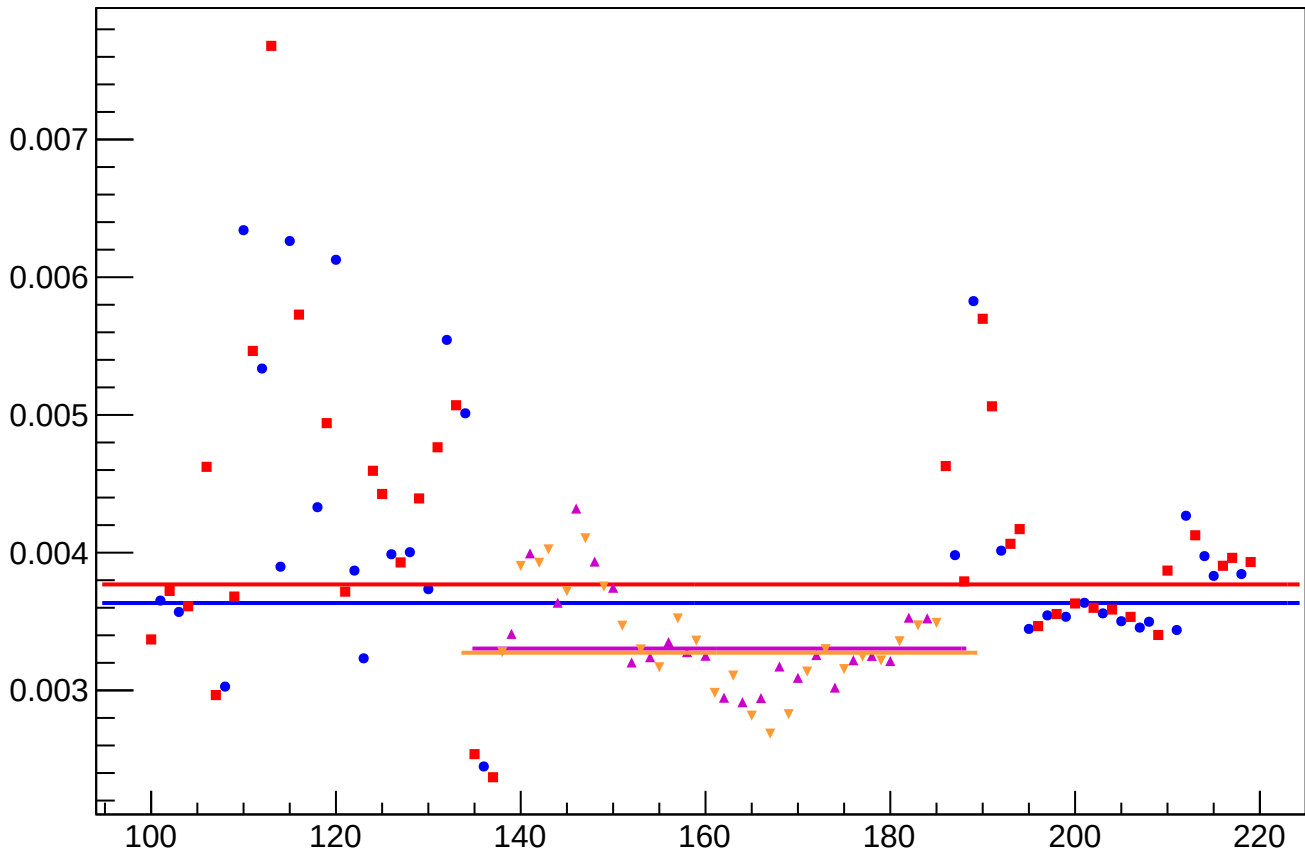
Left In: -0.568 ± 0.000 $\chi^2/\text{NDF}: 10458990019.9/22$

+ sign -0.446 ± 0.000 $\chi^2/\text{NDF}: 83232371952.0/57$

All: -0.443 ± 0.000 $\chi^2/\text{NDF}: 166949194350.0$

- sign -0.439 ± 0.000 $\chi^2/\text{NDF}: 83638310173.2/59$

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1057215.9/32

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1107898.0/36

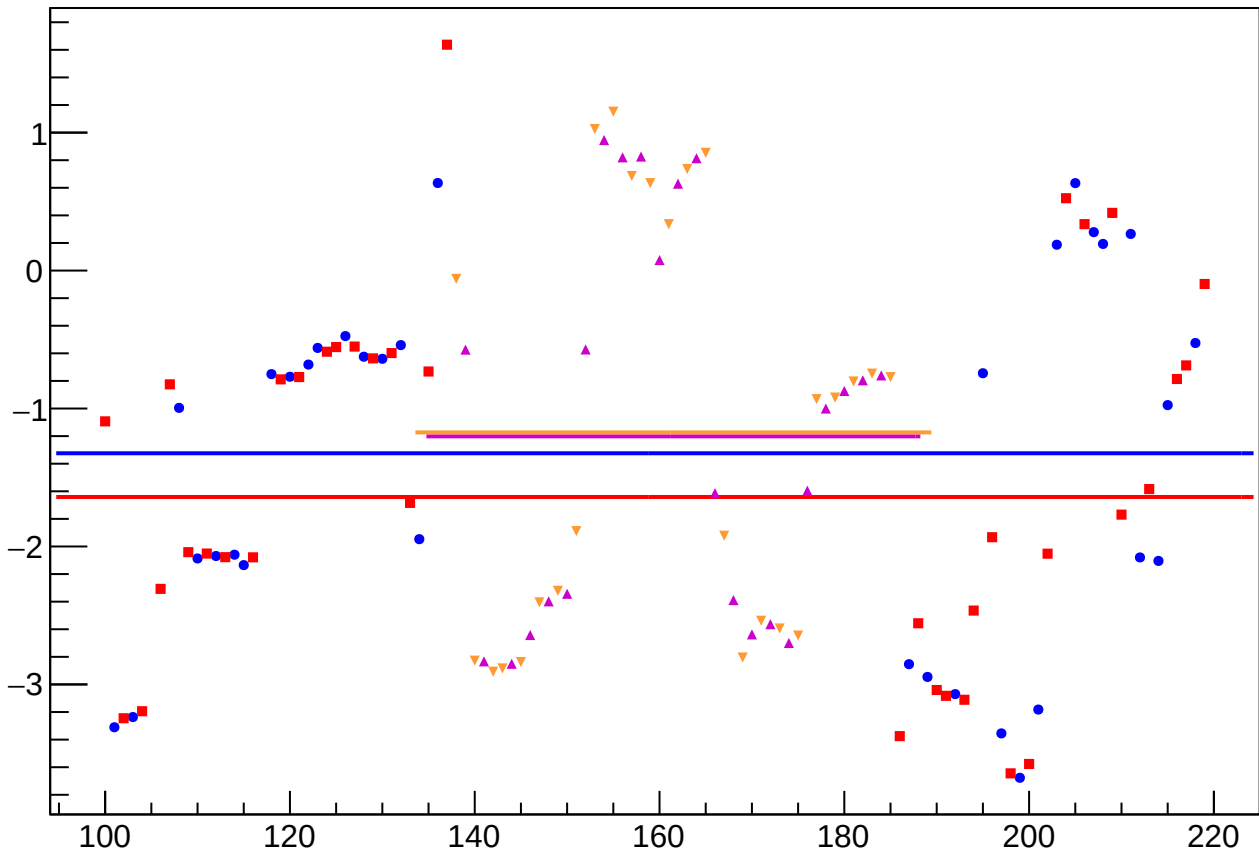
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1634853.6/57

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3341975.8/117

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1686992.3/59

yield_bpm0r03X_mean vs Slug



Right In: -1.324+/-0.000 χ^2/NDF : 6311616573.5/32

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -1.641+/-0.000 χ^2/NDF : 5673259406.2/36

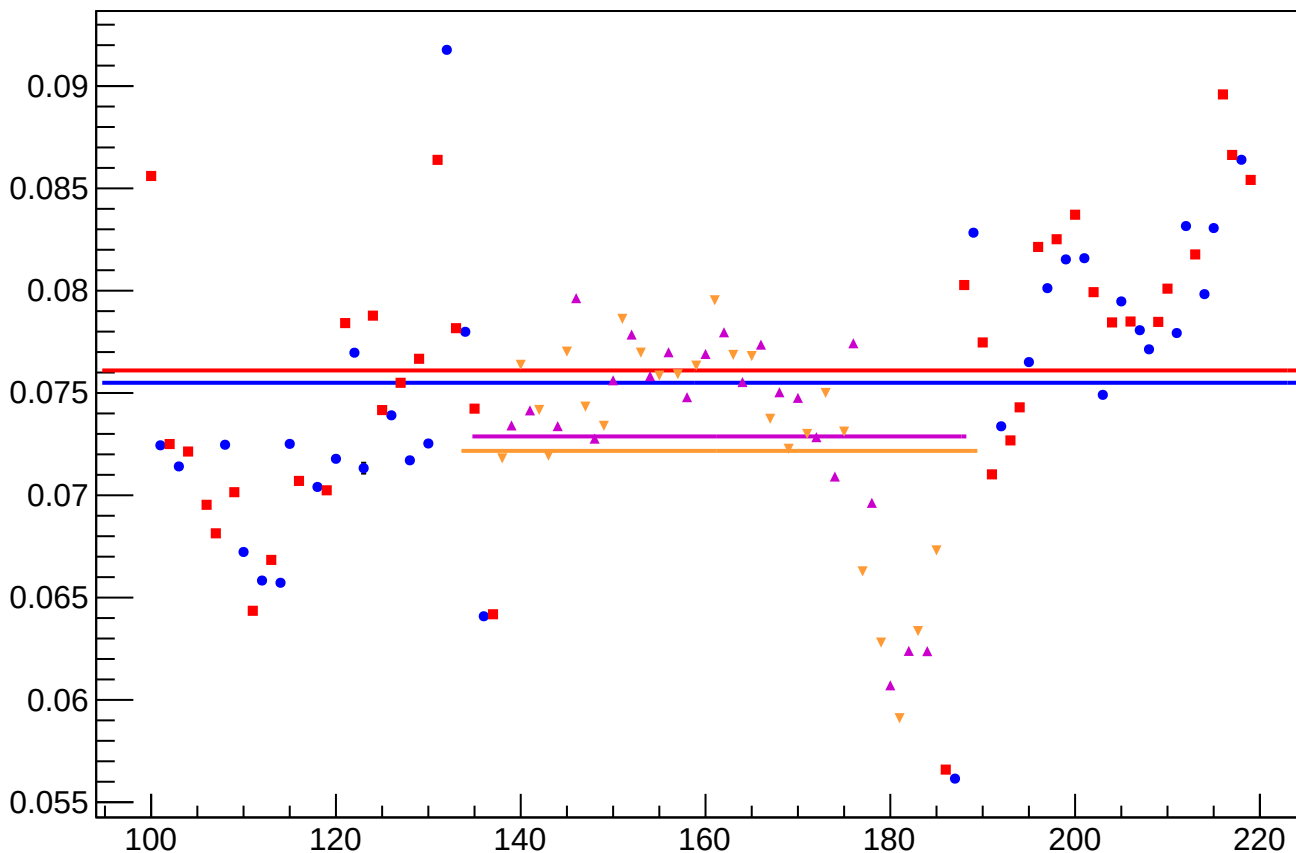
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.245+/-0.000 χ^2/NDF : 13231899793.0/57

All: -1.335+/-0.000 χ^2/NDF : 24932471125.1/100

- sign -1.425+/-0.000 χ^2/NDF : 11593907952.1/59

yield_bpm0r03X_rms vs Slug



Right In: 0.075+/-0.000 χ^2/NDF : 258198.2/32

Left Out: 0.072+/-0.000 χ^2/NDF : 222263.8/24

Right Out: 0.076+/-0.000 χ^2/NDF : 330237.6/36

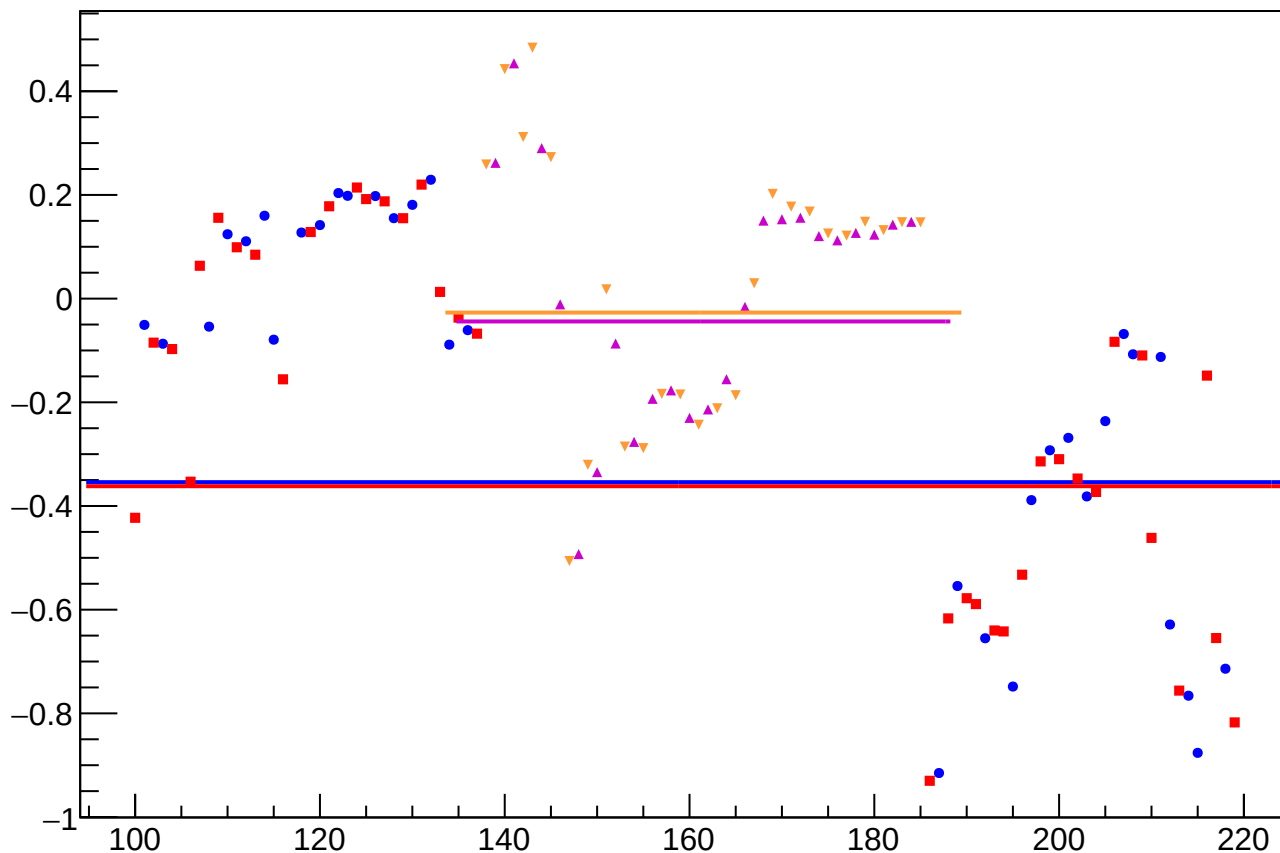
Left In: 0.073+/-0.000 χ^2/NDF : 183503.0/22

+ sign 0.074+/-0.000 χ^2/NDF : 516913.9/57

All: 0.074+/-0.000 χ^2/NDF : 1068295.6/117

- sign 0.075+/-0.000 χ^2/NDF : 547542.6/59

yield_bpm0r03Y_mean vs Slug



Right In: -0.354 ± 0.000 $\chi^2/\text{NDF}: 24937338746.9/32$

Left Out: -0.027 ± 0.000 $\chi^2/\text{NDF}: 20376761328.6/24$

Right Out: -0.362 ± 0.000 $\chi^2/\text{NDF}: 20006823162.2/36$

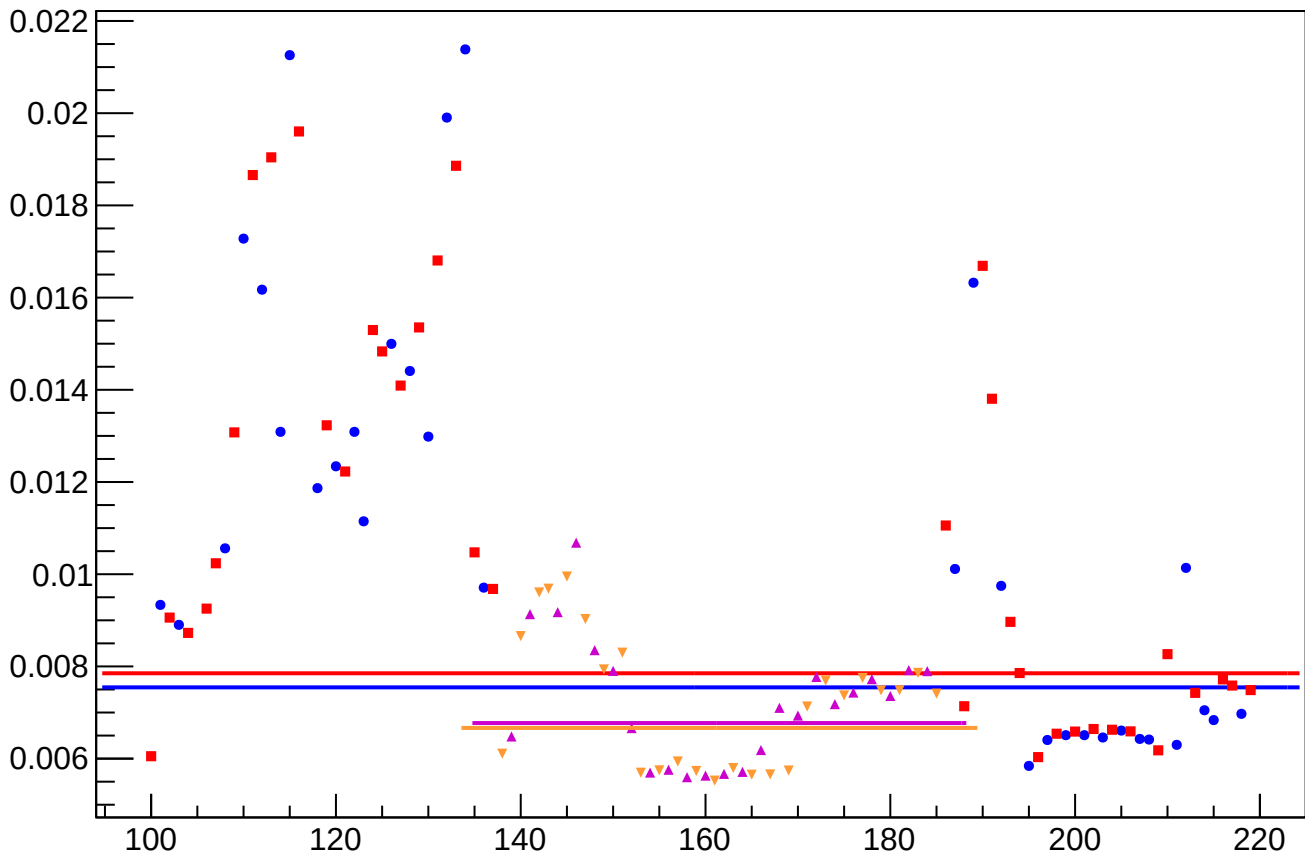
Left In: -0.044 ± 0.000 $\chi^2/\text{NDF}: 15718556282.1/22$

+ sign -0.165 ± 0.000 $\chi^2/\text{NDF}: 62392543338.0/57$

All: -0.174 ± 0.000 $\chi^2/\text{NDF}: 113404522269.1$

- sign -0.183 ± 0.000 $\chi^2/\text{NDF}: 50914847843.6/59$

yield_bpm0r03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 2974844.1/32

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1143768.6/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3086266.1/36

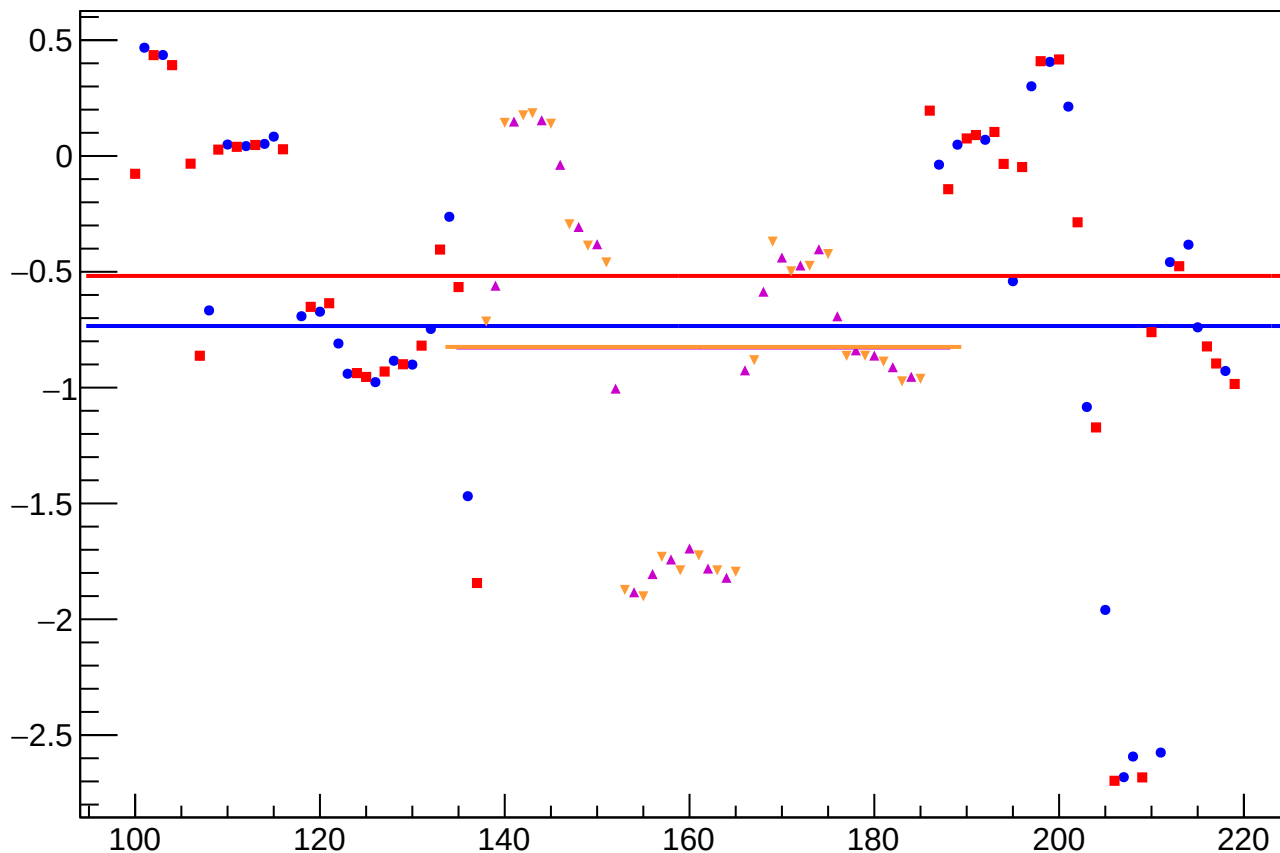
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4365420.9/57

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8762841.2/117

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4370913.4/59

yield_bpm0r05X_mean vs Slug



Right In: -0.734+/-0.000 χ^2/NDF : 1769838544.4/32

Left Out: -0.824+/-0.000 χ^2/NDF : 1103610806.5/24

Right Out: -0.518+/-0.000 χ^2/NDF : 1510294641.3/36

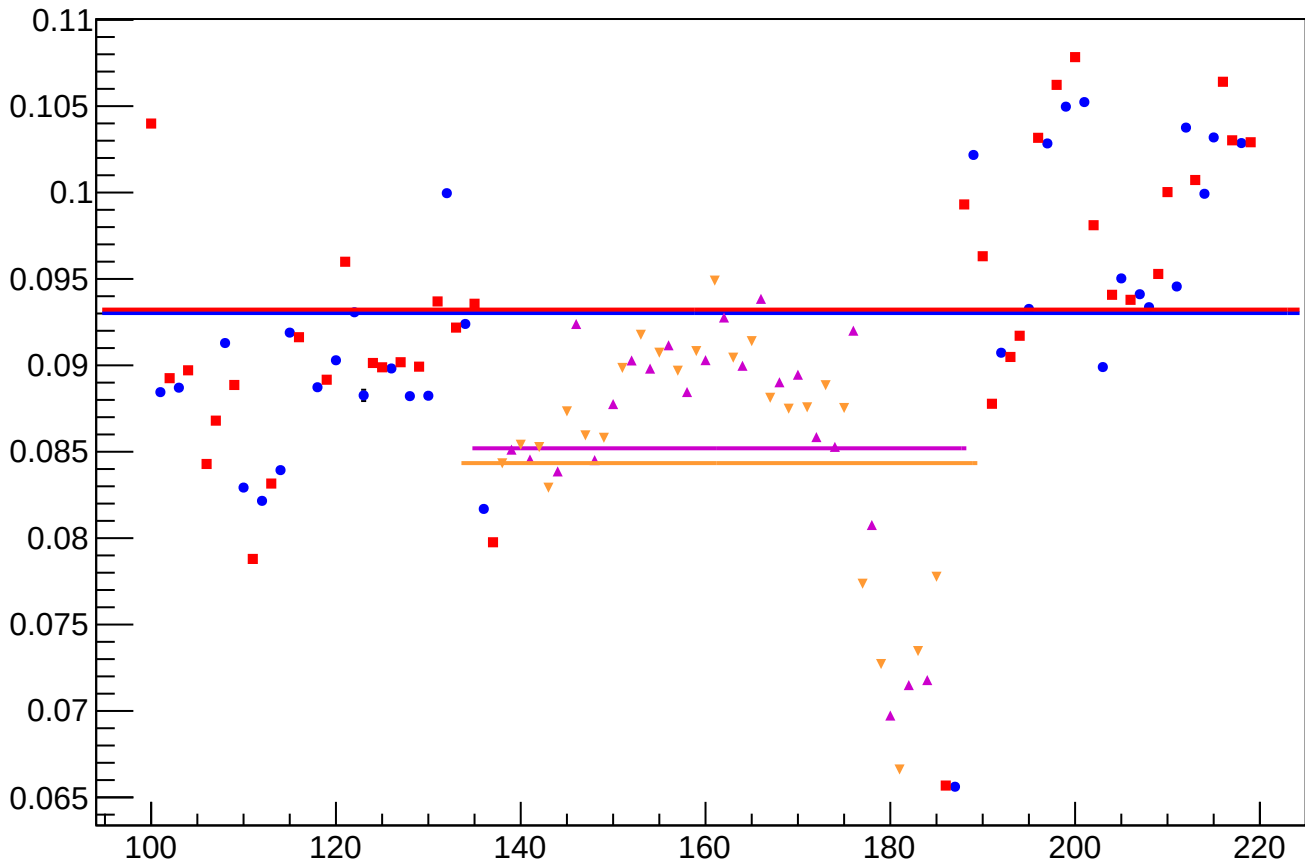
Left In: -0.827+/-0.000 χ^2/NDF : 921651117.3/22

+ sign -0.784+/-0.000 χ^2/NDF : 2882794374.9/57

All: -0.731+/-0.000 χ^2/NDF : 5450398093.2/1

- sign -0.677+/-0.000 χ^2/NDF : 2541304953.2/59

yield_bpm0r05X_rms vs Slug



Right In: 0.093 $\pm$ 0.000 χ^2 /NDF: 252861.7/32

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 358092.0/36

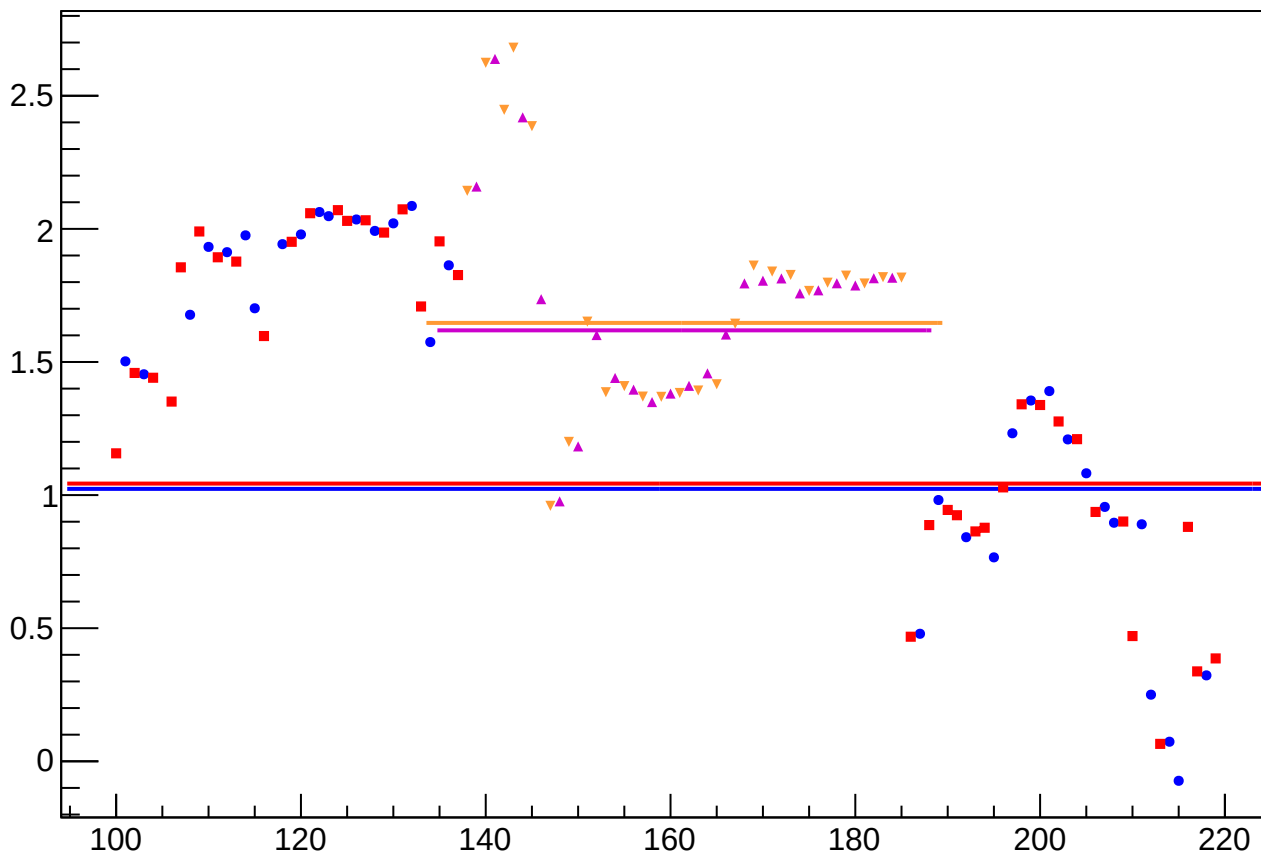
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 714301.0/57

All: 0.089 $\pm$ 0.000 χ^2 /NDF: 1461527.6/117

- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 743894.9/59

yield_bpm0r05Y_mean vs Slug



Right In: 1.023 $\pm$ 0.000 χ^2 /NDF: 40978318543.6/32

Left Out: 1.647 $\pm$ 0.000 χ^2 /NDF: 26535241545.7/24

Right Out: 1.043 $\pm$ 0.000 χ^2 /NDF: 30991728567.5/36

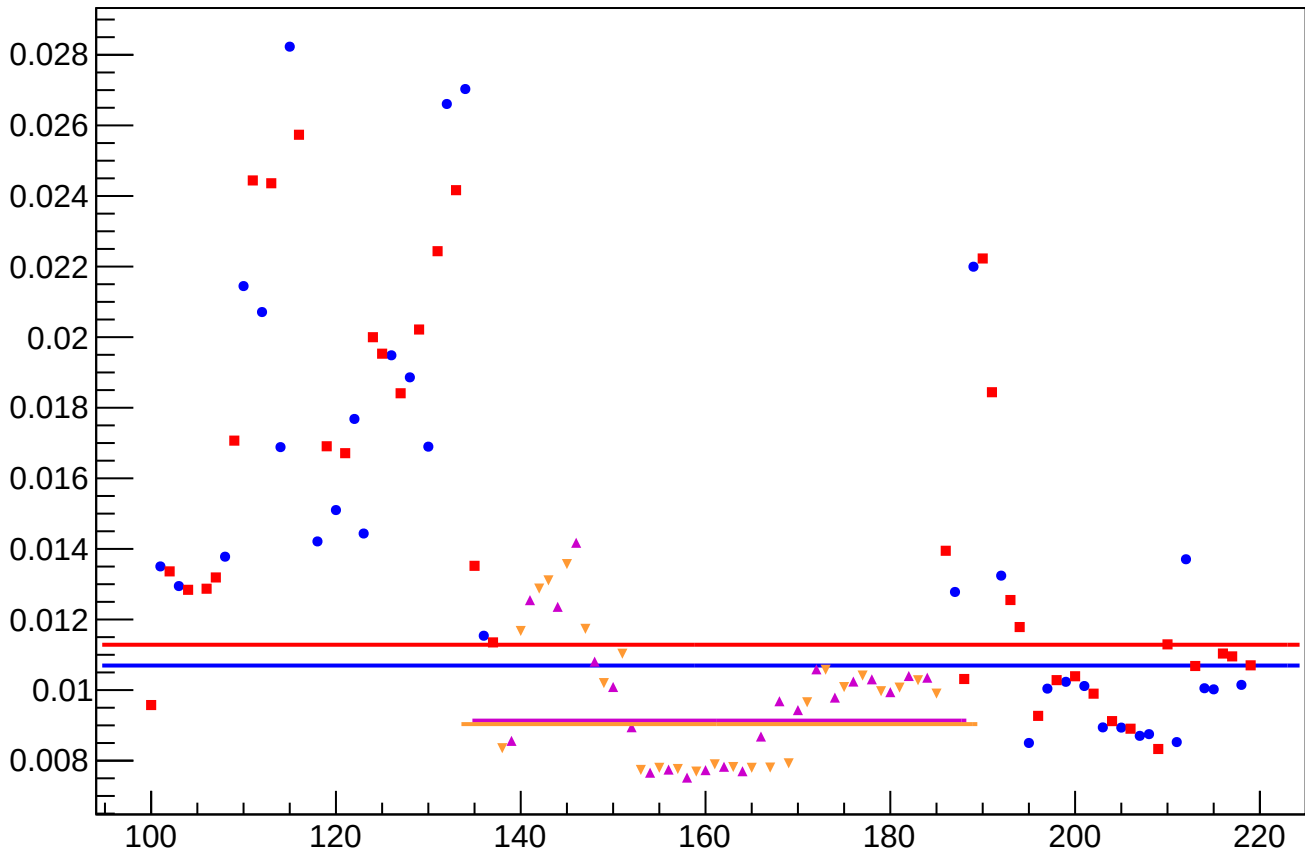
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.396 $\pm$ 0.000 χ^2 /NDF: 100021085967.7/57

All: 1.390 $\pm$ 0.000 χ^2 /NDF: 177521571809.1

- sign 1.384 $\pm$ 0.000 χ^2 /NDF: 77475738726.3/59

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2432042.2/32

Left Out: 0.009+/-0.000 χ^2/NDF :1042871.8/24

Right Out: 0.011+/-0.000 χ^2/NDF : 2537173.1/36

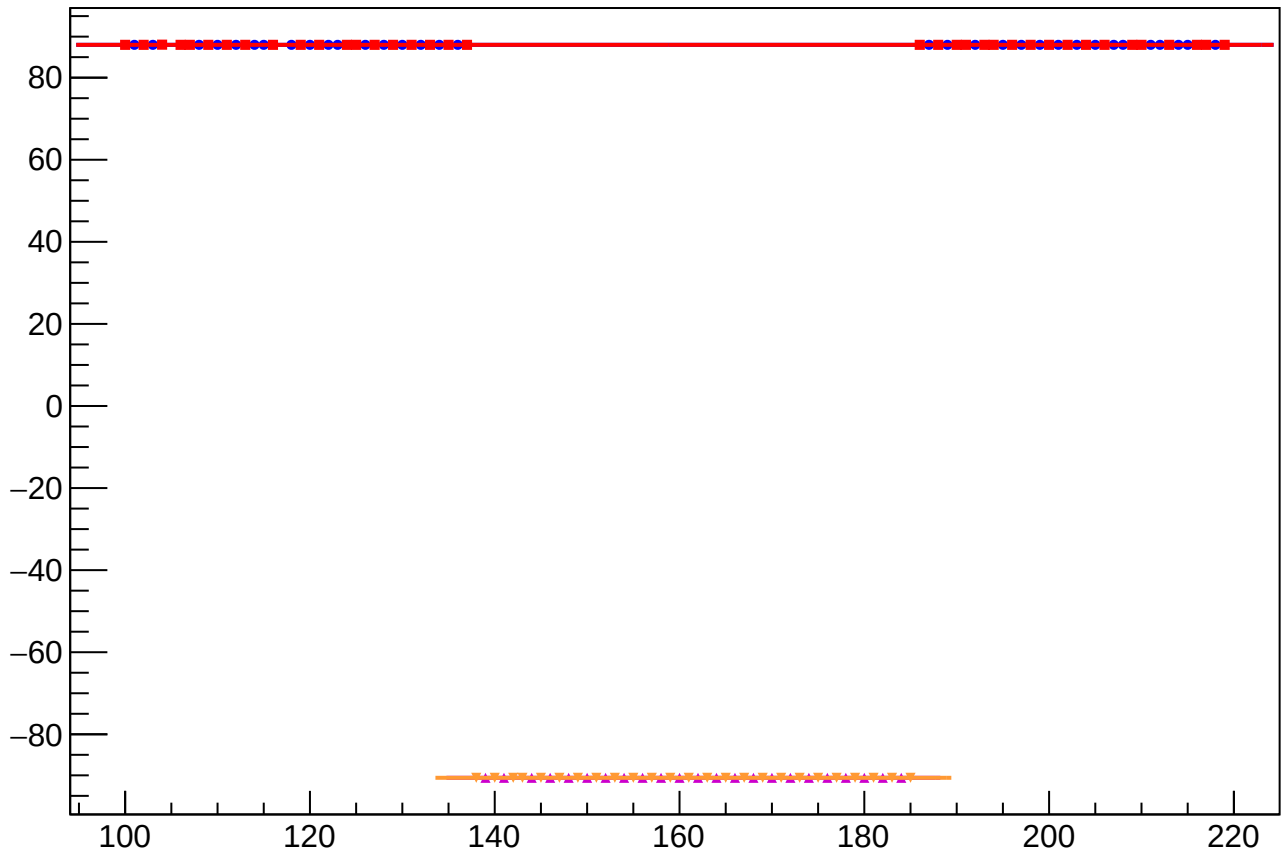
Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3935704.0/57

All: 0.010+/-0.000 χ^2/NDF : 8104781.4/117

- sign 0.010+/-0.000 χ^2/NDF : 4137132.4/59

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 6632389.1/32

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.002 $\pm$ 0.000 χ^2 /NDF: 81314252579523800915834306560.0/36

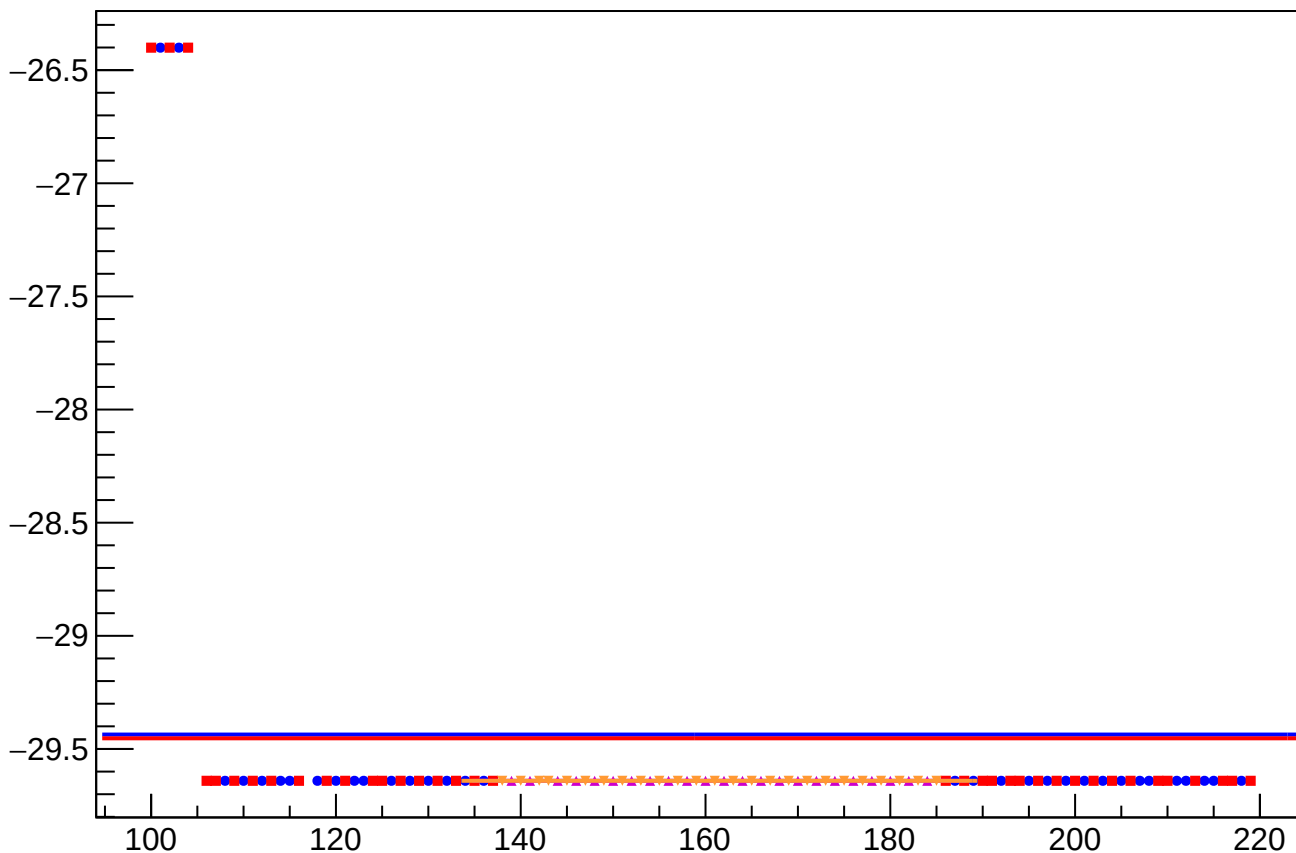
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -2.103 $\pm$ 0.000 χ^2 /NDF: 3010923289719278

All: 0.729 $\pm$ 0.000 χ^2 /NDF: 60367999093075

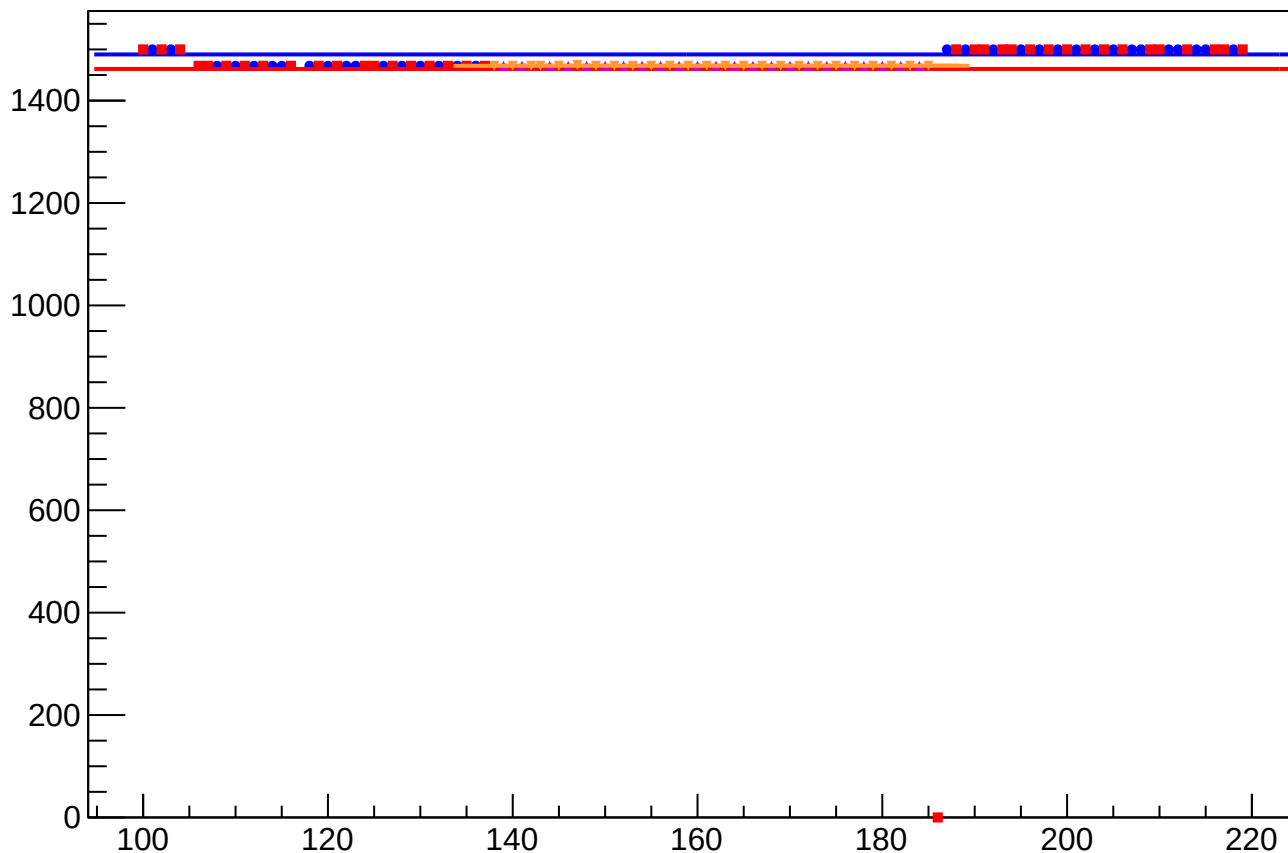
- sign 3.545 $\pm$ 0.000 χ^2 /NDF: 30198360584606452

epics_HWienAngles_mean vs Slug



Right In: -29.436 $\pm$ 0.000 χ^2 /NDF: 1160593559807579693386674196185088.0/32
 Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 530354.3/24
 Right Out: -29.453 $\pm$ 0.000 χ^2 /NDF: 1147164304495487252752307914276864.0/36
 Left In: -29.641 $\pm$ 0.000 χ^2 /NDF: 382603.8/22
 All: -29.541 $\pm$ 0.000 χ^2 /NDF: 238054632373
 + sign -29.539 $\pm$ 0.000 χ^2 /NDF: 1200006899999998
 - sign -29.542 $\pm$ 0.000 χ^2 /NDF: 1180529471090019

epics_psub_pl_poss_mean vs Slug



Right In: 1490.194+/-0.000 χ^2/NDF : 407610350175248982661682126838038528.0/32

Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24

Right Out: 1461.868+/-0.000 χ^2/NDF : 83207287377380146473779228178542231552.0/36

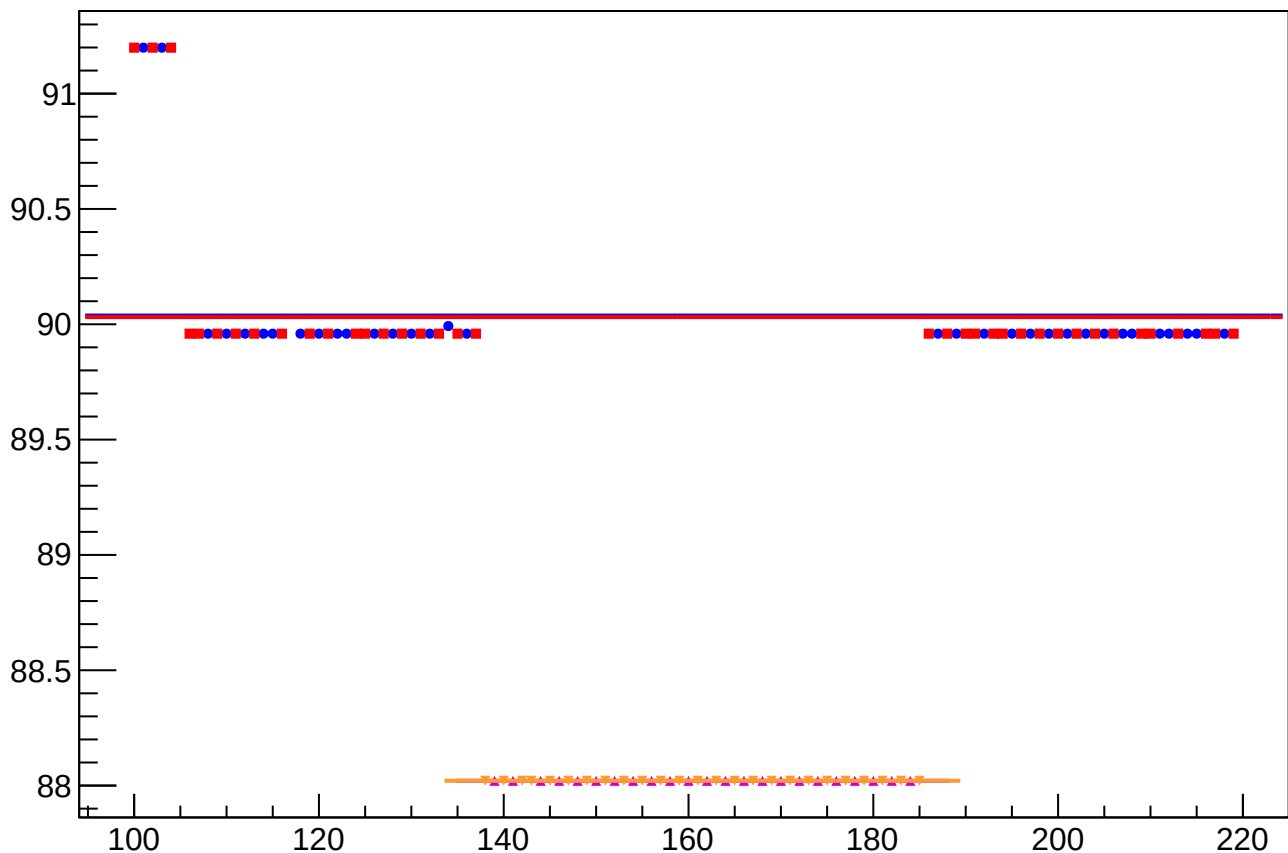
Left In: 1467.994+/-0.000 χ^2/NDF : 144497772795444989723550941184.0/22

+ sign 1479.021+/-0.000 χ^2/NDF : 87069641354437

All: 1471.872+/-0.000 χ^2/NDF : 84498345483

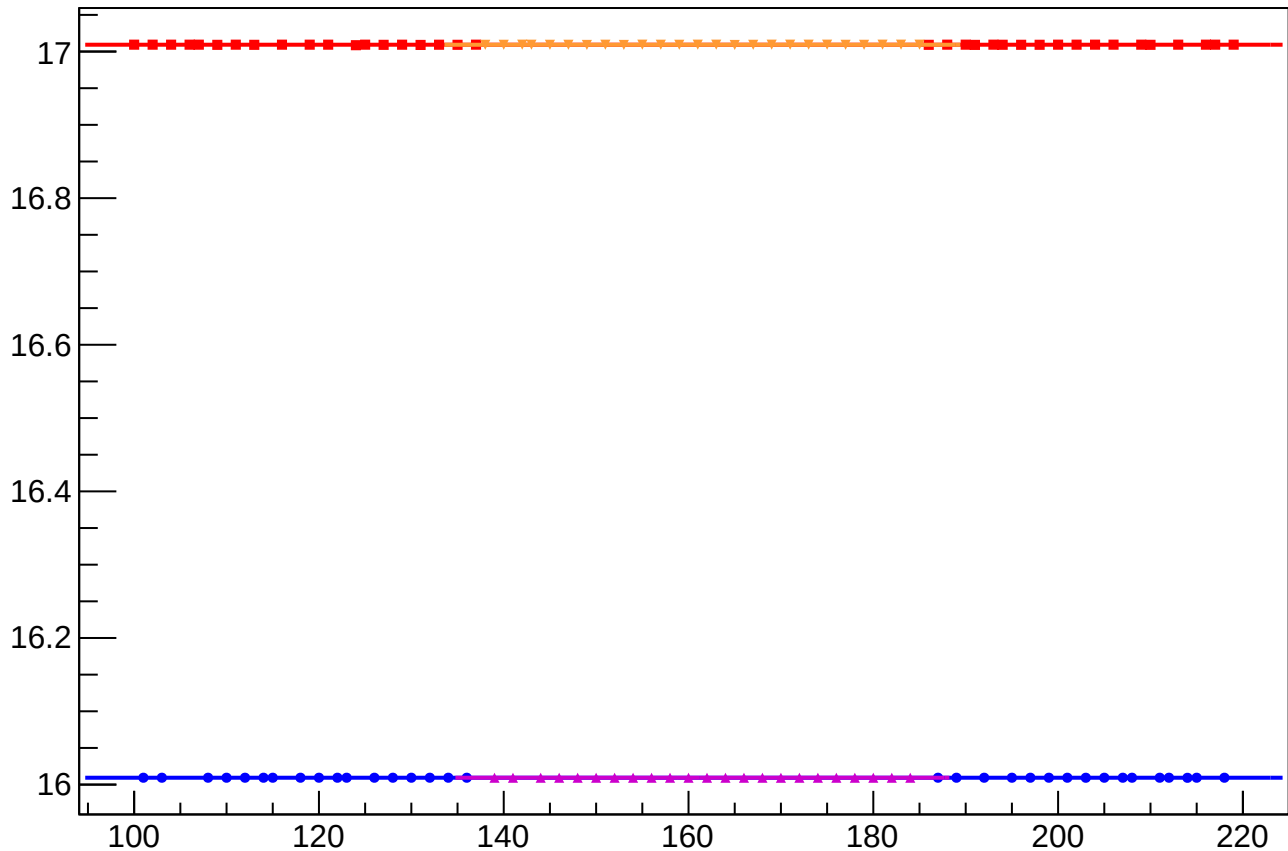
- sign 1464.765+/-0.000 χ^2/NDF : 83242807087561

epics_Phi_FGs_mean vs Slug



Right In: 90.038 $\pm$ 0.000 χ^2 /NDF: 169908093479848571479601073618944.0/32
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5679798.5/24
 Right Out: 90.031 $\pm$ 0.000 χ^2 /NDF: 168026961838208649723816120942592.0/36
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6257169.0/22
 + sign 89.020 $\pm$ 0.000 χ^2 /NDF: 4010704547860887
 All: 89.050 $\pm$ 0.000 χ^2 /NDF: 8012074410434
 - sign 89.080 $\pm$ 0.000 χ^2 /NDF: 3994498608576719

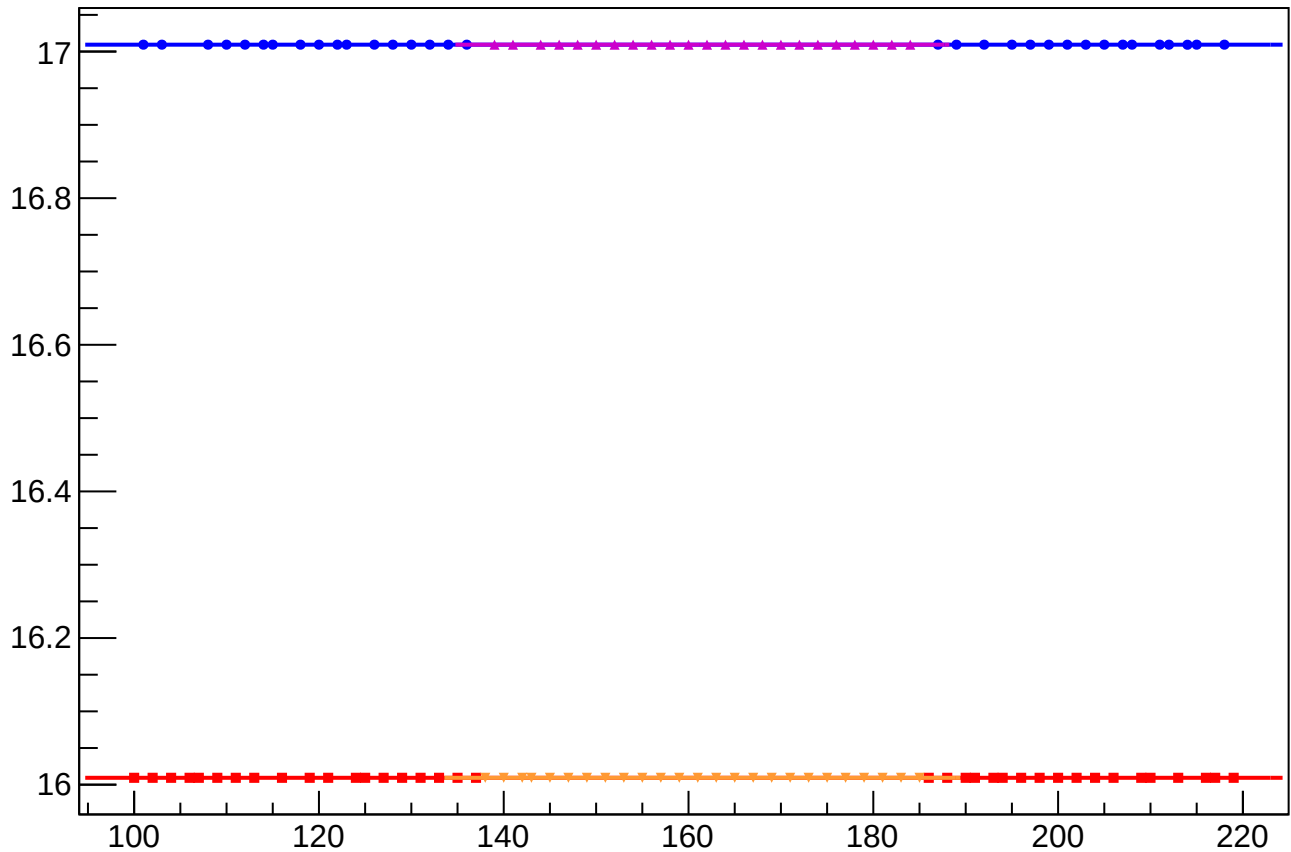
epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 848176574808054814474240.0/32
 Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24
 Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 21619728953174294383296512.0/36
 Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.500 $\pm$ 0.000 χ^2 /NDF: 9017335103152391
 All: 16.523 $\pm$ 0.000 χ^2 /NDF: 1801345527376
 - sign 16.546 $\pm$ 0.000 χ^2 /NDF: 8956911420498894

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 848176574944934214238208.0/32

Left Out: 16.009+/-0.000 χ^2/NDF : 61253.5/24

Right Out: 16.009+/-0.000 χ^2/NDF : 318194.9/36

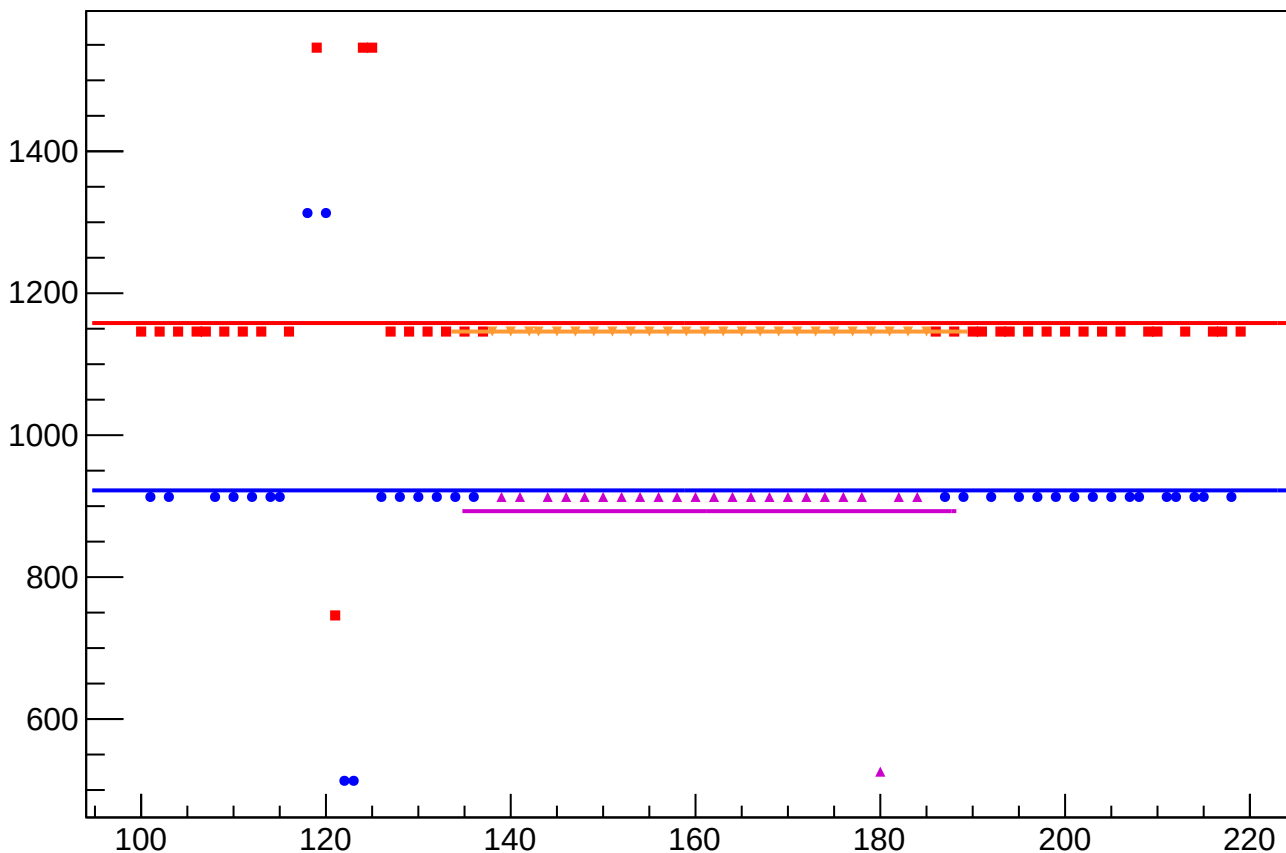
Left In: 17.009+/-0.000 χ^2/NDF : 114986101427233622065152.0/22

+ sign 16.504+/-0.000 χ^2/NDF : 9298703915060357

All: 16.490+/-0.000 χ^2/NDF : 1863746449908

- sign 16.477+/-0.000 χ^2/NDF : 9325233667089299

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 922.187+/-0.000 χ^2/NDF : 21123242808677882740647052429353811968.0/32

+ sign 1035.107+/-0.000 χ^2/NDF : 68411026015834

Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

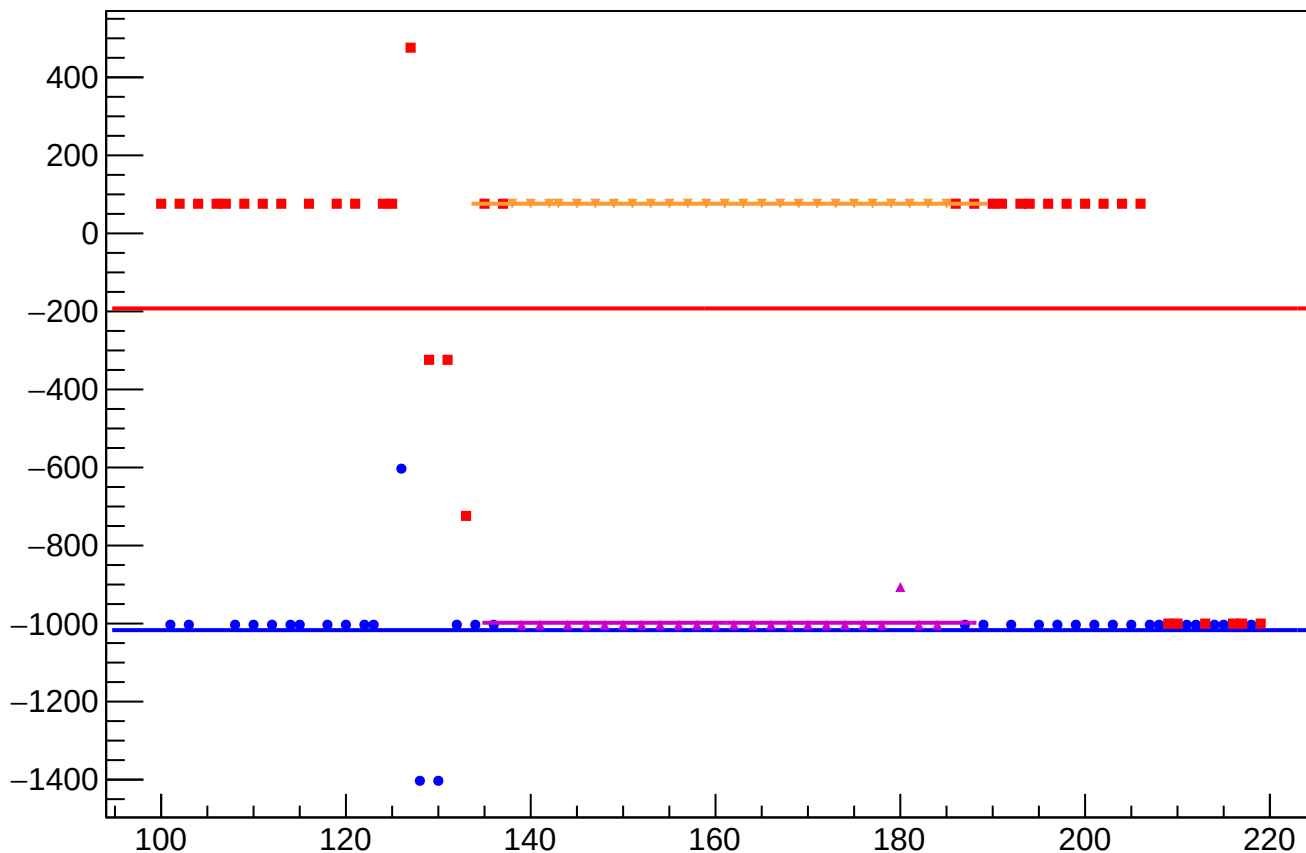
All: 1033.881+/-0.000 χ^2/NDF : 16993550637

Right Out: 1157.998+/-0.000 χ^2/NDF : 21793008718154891906057466122181017600.0/36

- sign 1032.662+/-0.000 χ^2/NDF : 10151316259258

Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

epics_RTPAPOSVCNTs_mean vs Slug



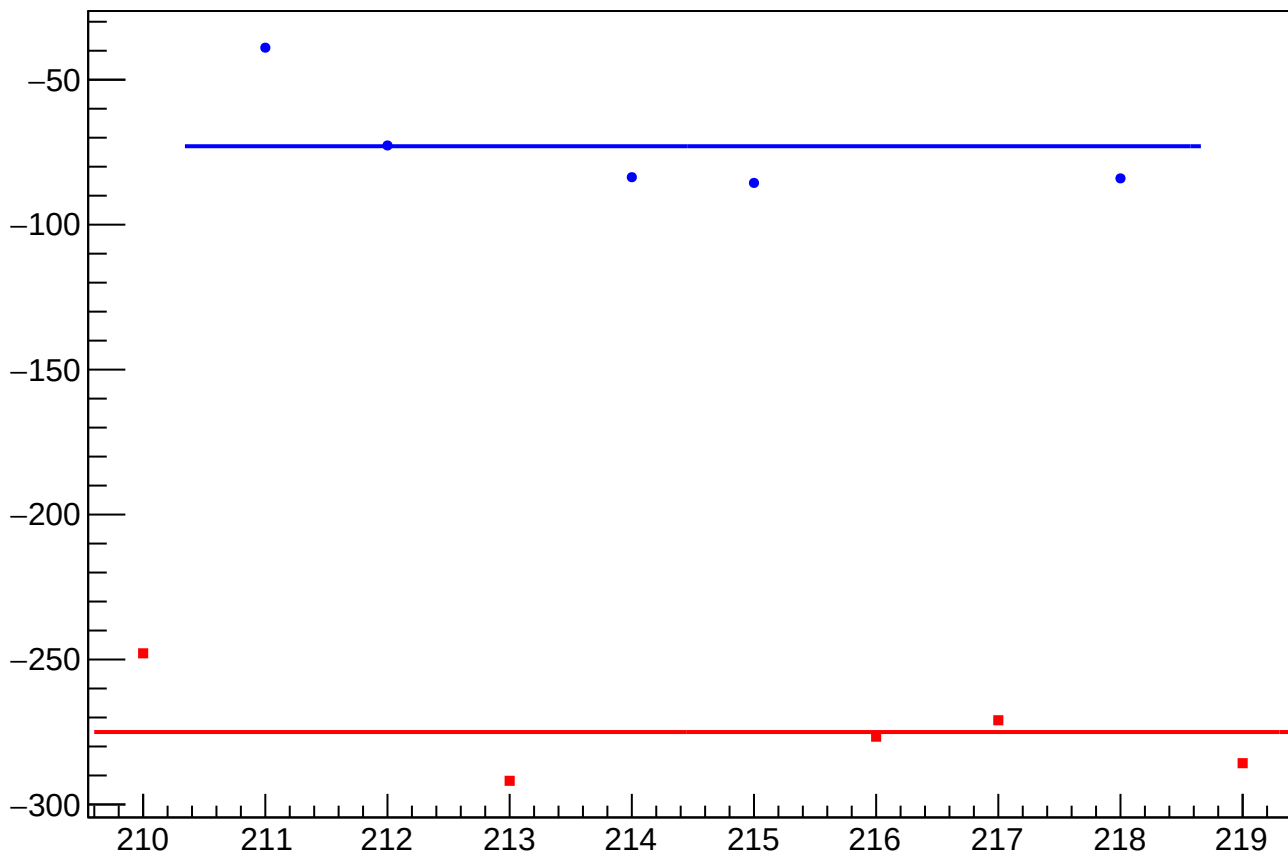
Right In: -1016.885+/-0.000 χ^2/NDF : 22838384514434722542388335364941021184.0/32

Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24

Right Out: -192.373+/-0.000 χ^2/NDF : 428465475545596953372918387855499198464.0/36

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22

epics_RTPPITA1CNTs_mean vs Slug



Right In: -72.945+/-0.000 χ^2/NDF : 119284685234098125759576533062647808.0/4

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

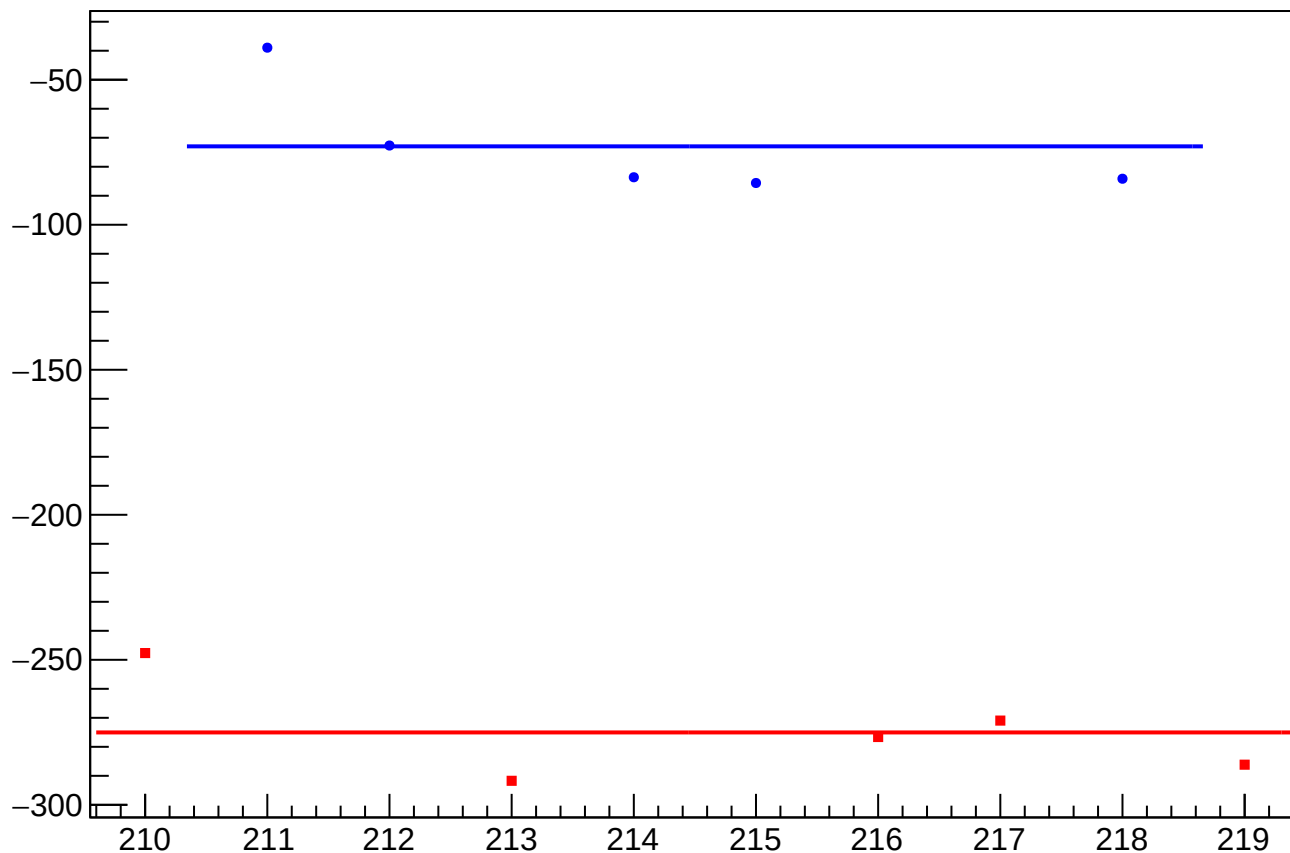
All: -173.582+/-0.000 χ^2/NDF : 79735917086

Right Out: -275.016+/-0.000 χ^2/NDF : 86022314037366847399450558125309952.0/4

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

epics_RTPPITA2CNTs_mean vs Slug



Right In: -72.969+/-0.000 χ^2/NDF : 119488906189493343156944358768377856.0/4

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -173.606+/-0.000 χ^2/NDF : 79749510421

Right Out: -275.040+/-0.000 χ^2/NDF : 87170037078998934606037616422813696.0/4

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0