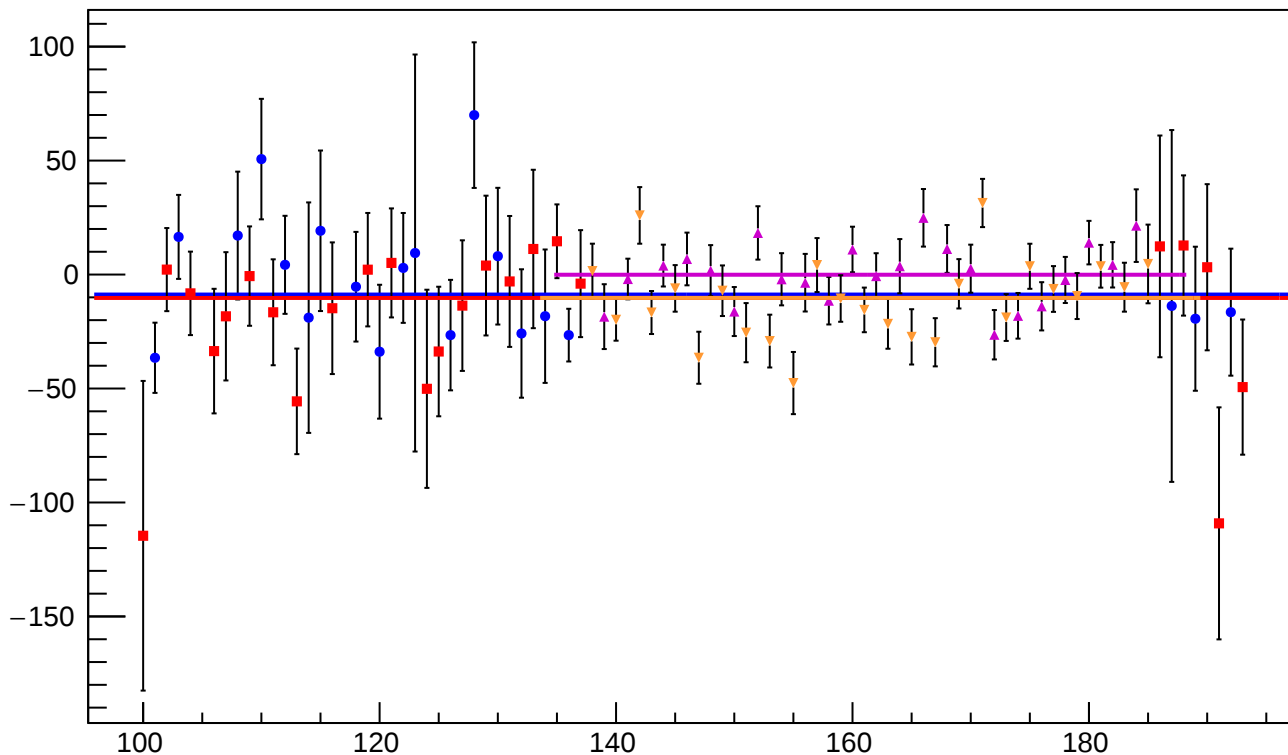


diff_bpm4aX_mean vs Slug



Right In: -8.774 ± 5.413

$\chi^2/\text{NDF}: 23.1/19$

Left Out: -10.238 ± 2.170

$\chi^2/\text{NDF}: 58.1/24$

Right Out: -10.265 ± 5.370

$\chi^2/\text{NDF}: 19.5/23$

Left In: -0.080 ± 2.251

$\chi^2/\text{NDF}: 29.9/22$

+ sign -10.035 ± 2.014

$\chi^2/\text{NDF}: 81.2/44$

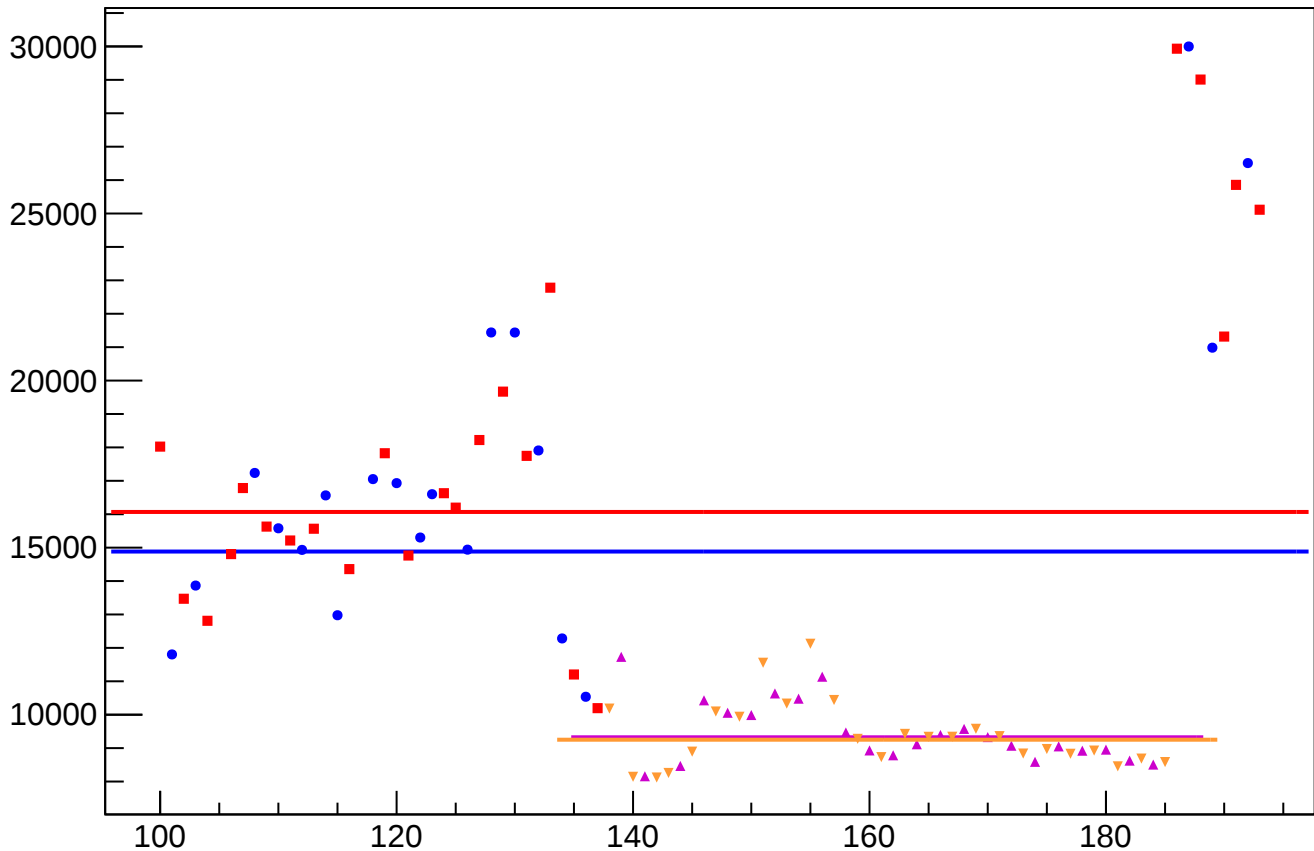
All: -5.945 ± 1.446

$\chi^2/\text{NDF}: 142.2/91$

- sign -1.602 ± 2.076

$\chi^2/\text{NDF}: 52.4/46$

diff_bpm4aX_rms vs Slug



Right In: 14883.228+/-3.828 χ^2/NDF : 1137948.4/19

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

+ sign 10031.595+/-1.424 χ^2/NDF : 3334967.6/44

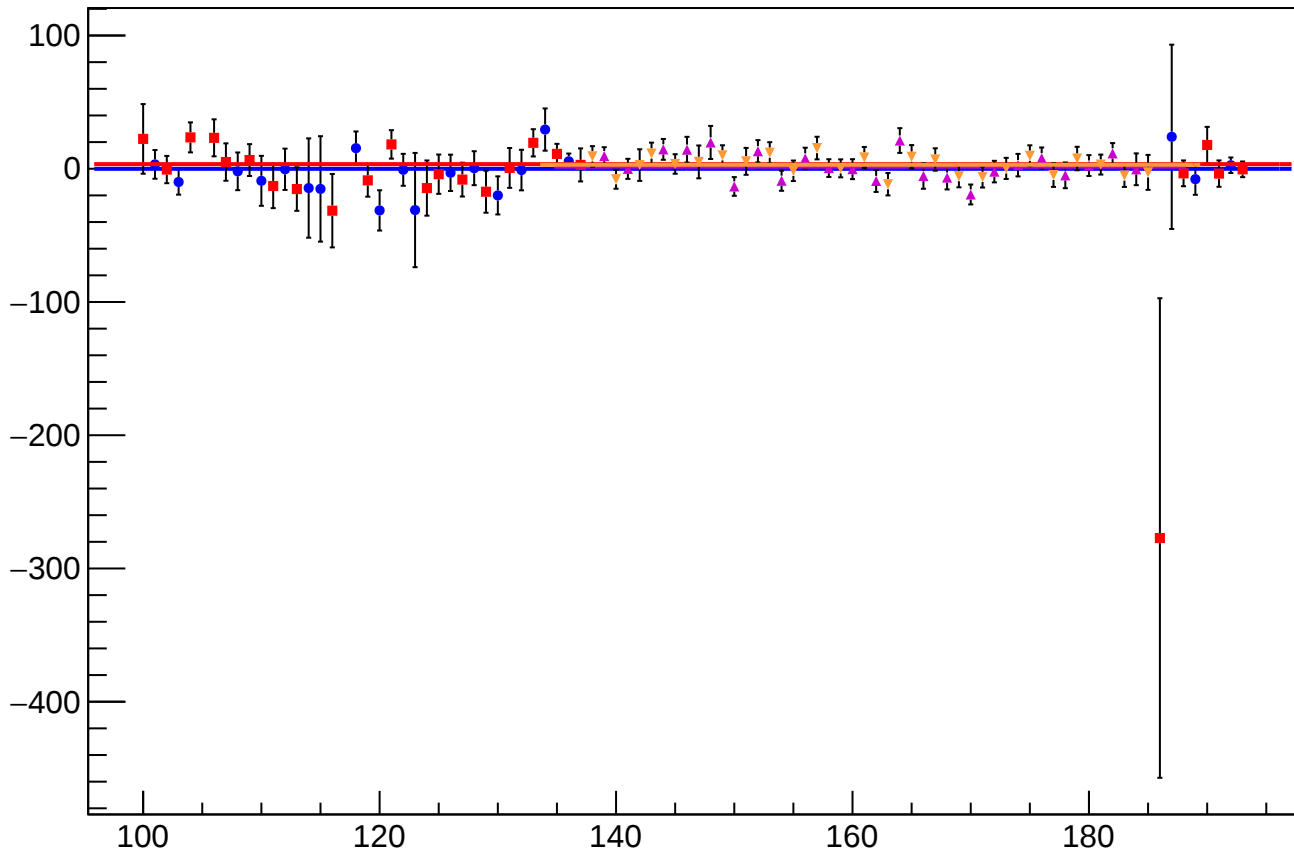
Right Out: 16068.095+/-3.797 χ^2/NDF : 1383123.5/23

All: 10177.013+/-1.022 χ^2/NDF : 7698141.6/9

- sign 10331.412+/-1.468 χ^2/NDF : 4341684.8/46

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

diff_bpm4aY_mean vs Slug



Right In: -0.050+/-2.648 χ^2/NDF : 15.2/19

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

Right Out: 3.476+/-2.420 χ^2/NDF : 24.9/23

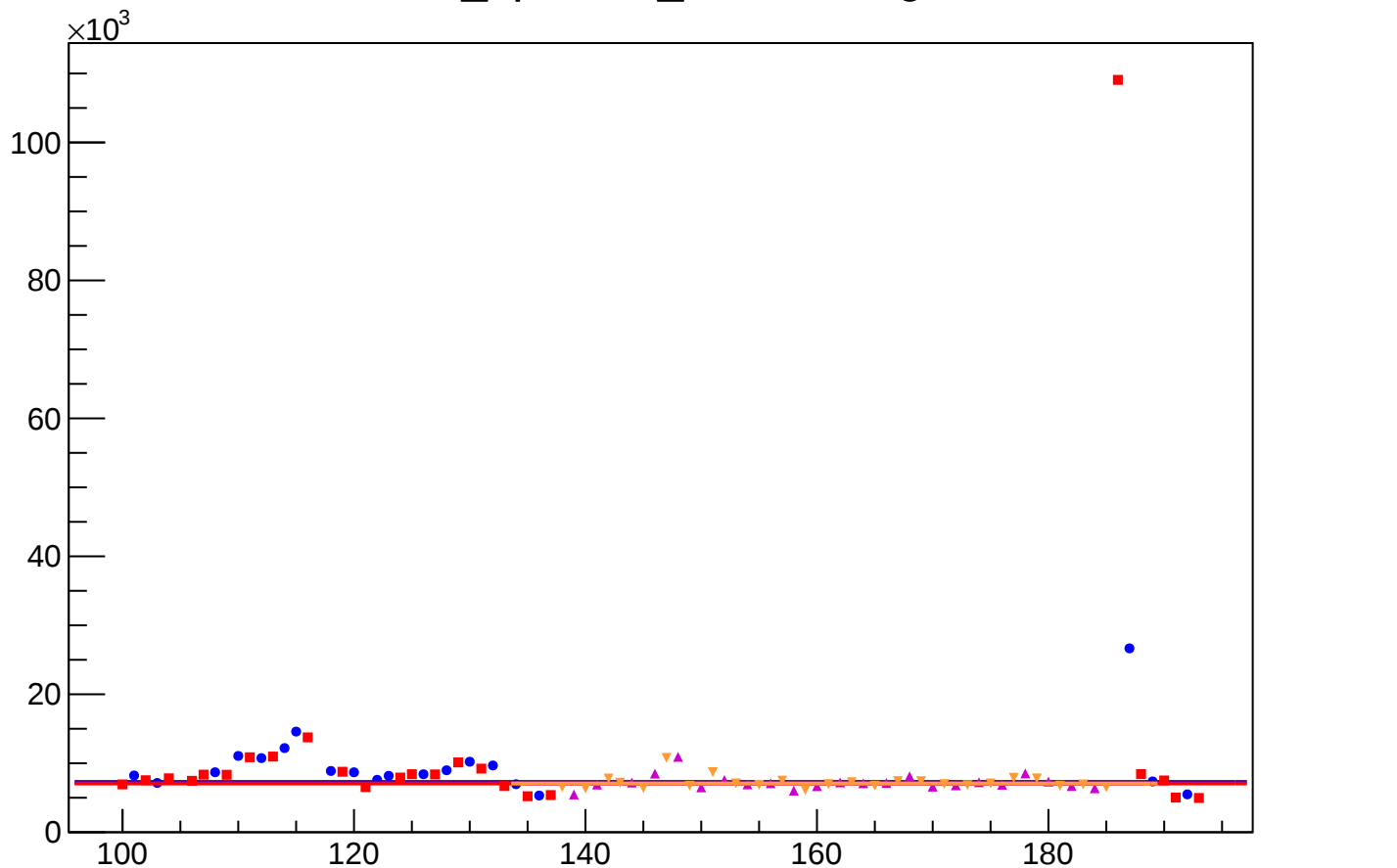
Left In: 1.588+/-1.703 χ^2/NDF : 35.5/22

+ sign 2.159+/-1.407 χ^2/NDF : 34.8/44

All: 2.186+/-0.990 χ^2/NDF : 95.5/91

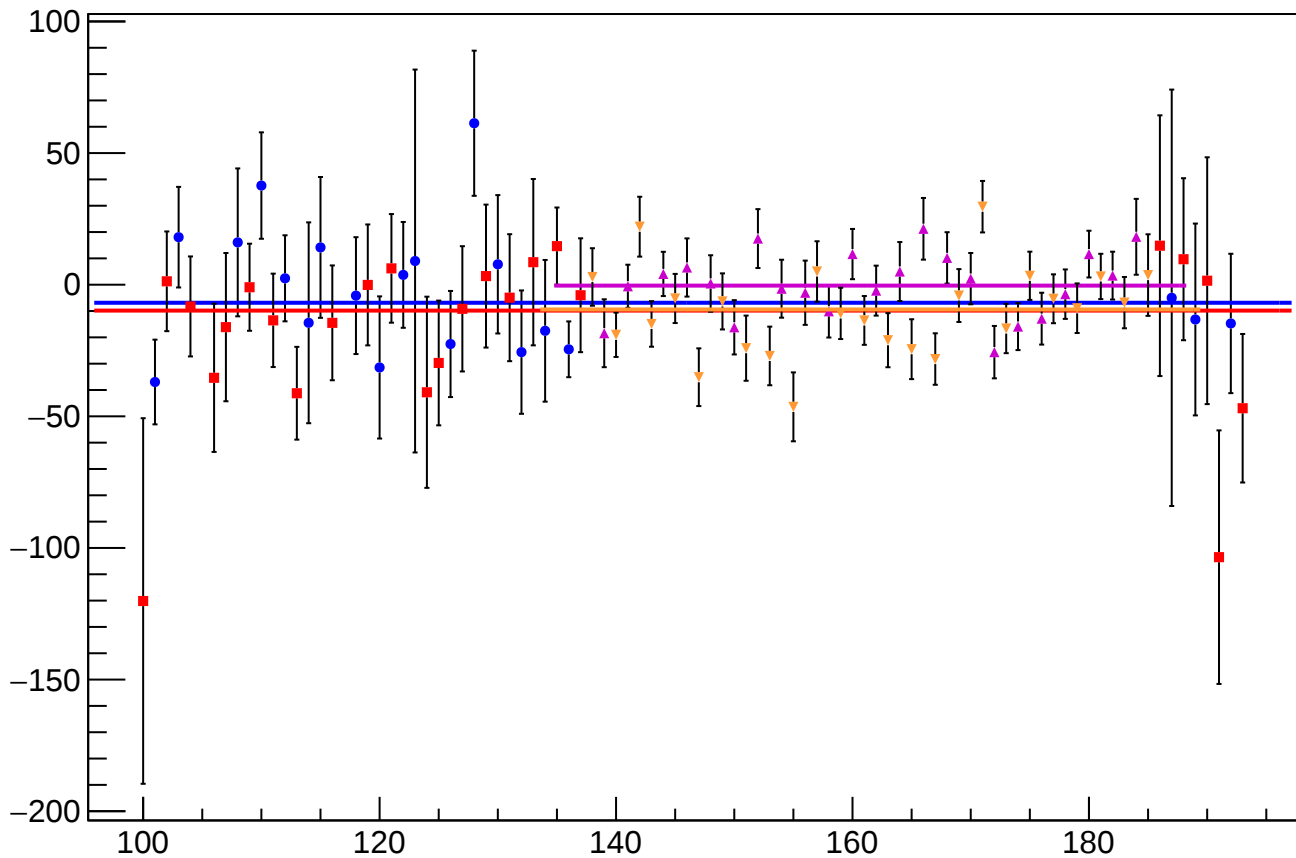
- sign 2.214+/-1.392 χ^2/NDF : 60.8/46

diff_bpm4aY_rms vs Slug



Right In: 7282.530 ± 1.872 $\chi^2/\text{NDF}: 1131488.5/19$ + sign 7126.010 ± 0.995 $\chi^2/\text{NDF}: 1528039.0/44$
 Left Out: 7064.457 ± 1.174 $\chi^2/\text{NDF}: 386814.9/24$ All: 7079.760 ± 0.700 $\chi^2/\text{NDF}: 3835189.8/91$
 Right Out: 7074.609 ± 1.711 $\chi^2/\text{NDF}: 1776734.7/23$ - sign 7034.453 ± 0.985 $\chi^2/\text{NDF}: 2302871.9/46$
 Left In: 7014.572 ± 1.204 $\chi^2/\text{NDF}: 525313.7/22$

diff_bpm4eX_mean vs Slug



Right In: -6.860 ± 4.886 χ^2/NDF : 23.6/19

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

Right Out: -9.832 ± 4.796 χ^2/NDF : 19.2/23

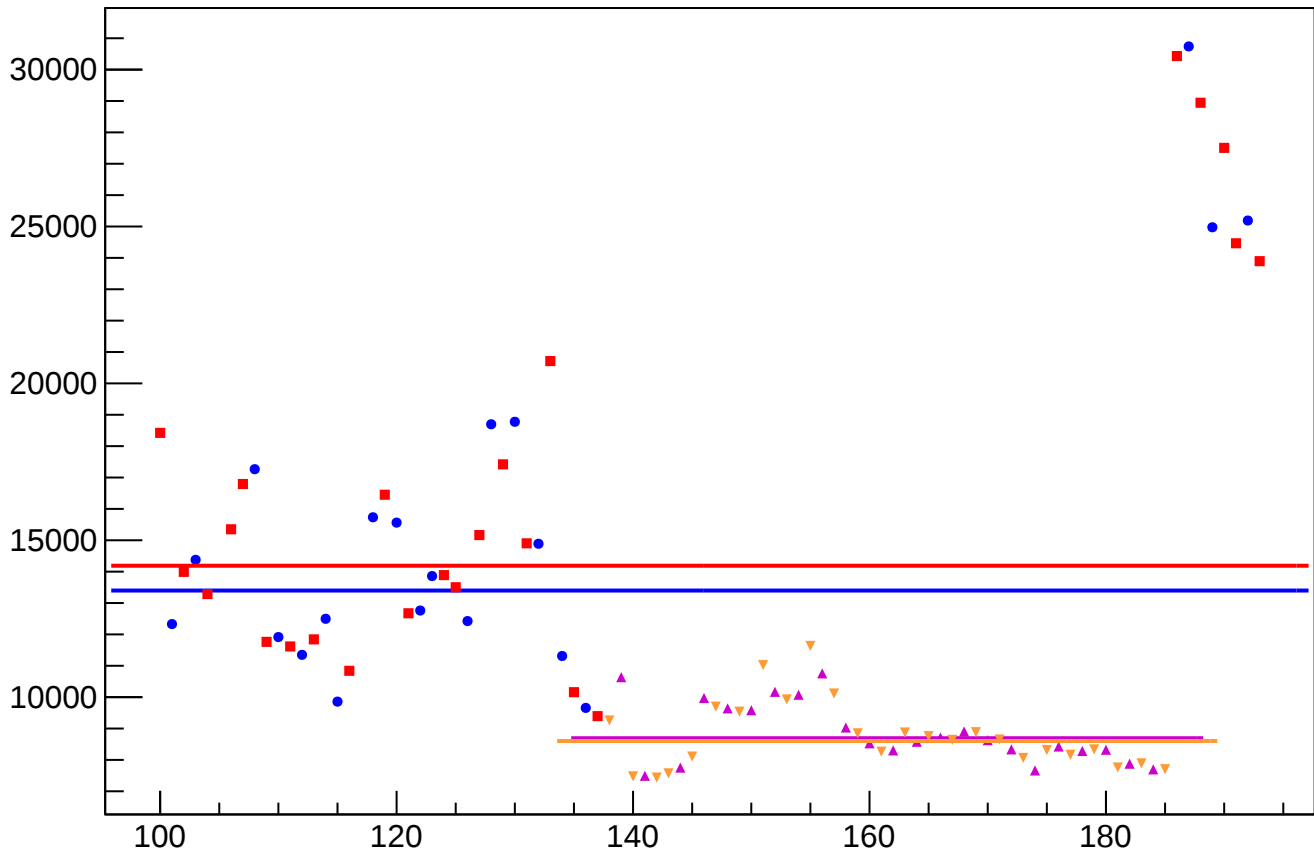
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.038 ± 1.868 χ^2/NDF : 82.6/44

All: -5.561 ± 1.340 χ^2/NDF : 142.2/91

- sign -1.871 ± 1.924 χ^2/NDF : 52.4/46

diff_bpm4eX_rms vs Slug



Right In: 13397.976+/-3.455 χ^2/NDF : 1294157.6/19

Left Out: 8602.220+/-1.429 χ^2/NDF : 438805.2/24

Right Out: 14188.982+/-3.392 χ^2/NDF : 1764700.3/23

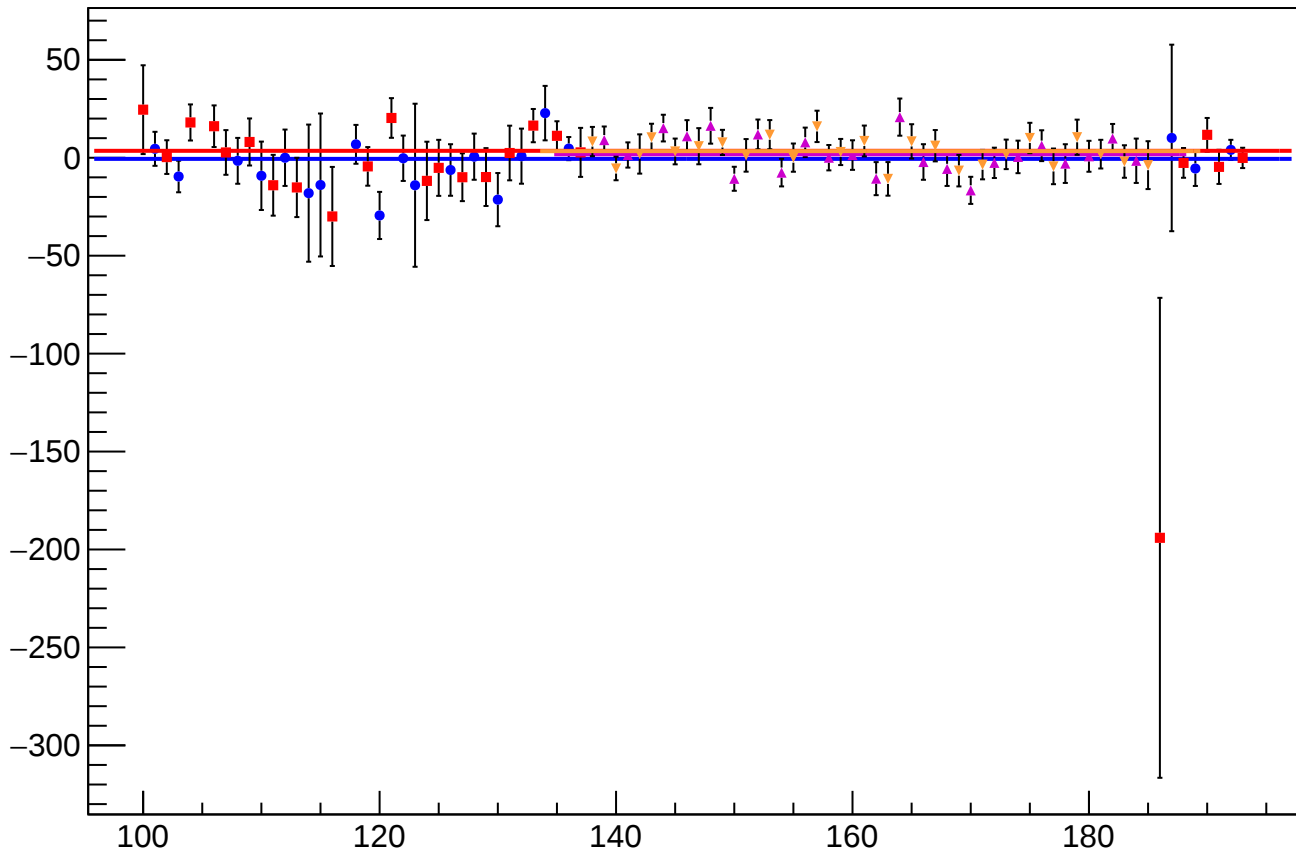
Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

+ sign 9302.844+/-1.321 χ^2/NDF : 3378250.2/44

All: 9435.304+/-0.948 χ^2/NDF : 7733758.1/91

- sign 9575.906+/-1.361 χ^2/NDF : 4334766.5/46

diff_bpm4eY_mean vs Slug



Right In: -0.570 ± 2.365 χ^2/NDF : 16.0/19

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

Right Out: 3.541 ± 2.112 χ^2/NDF : 24.9/23

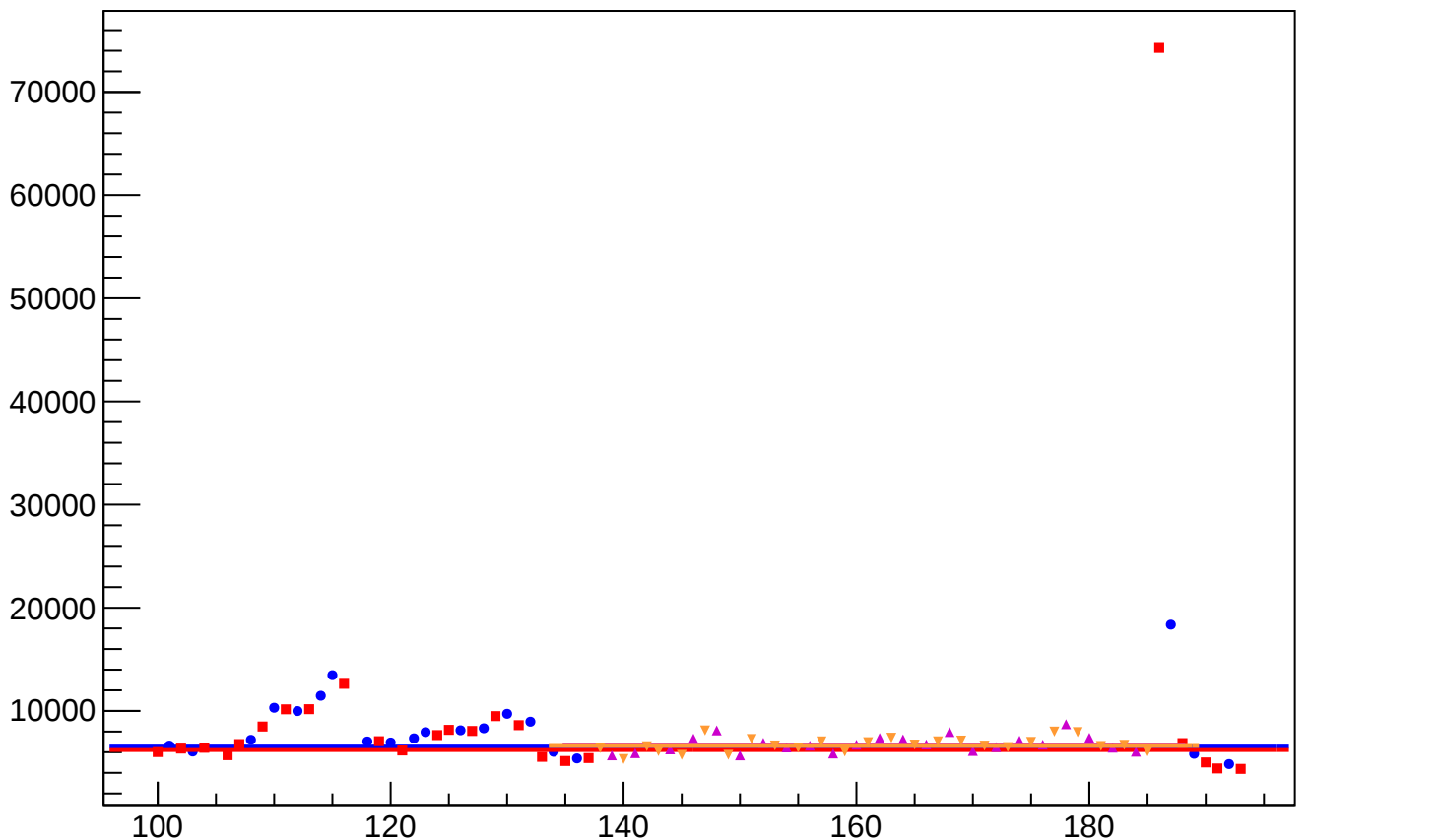
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.187 ± 1.297 χ^2/NDF : 35.1/44

All: 2.300 ± 0.911 χ^2/NDF : 94.0/91

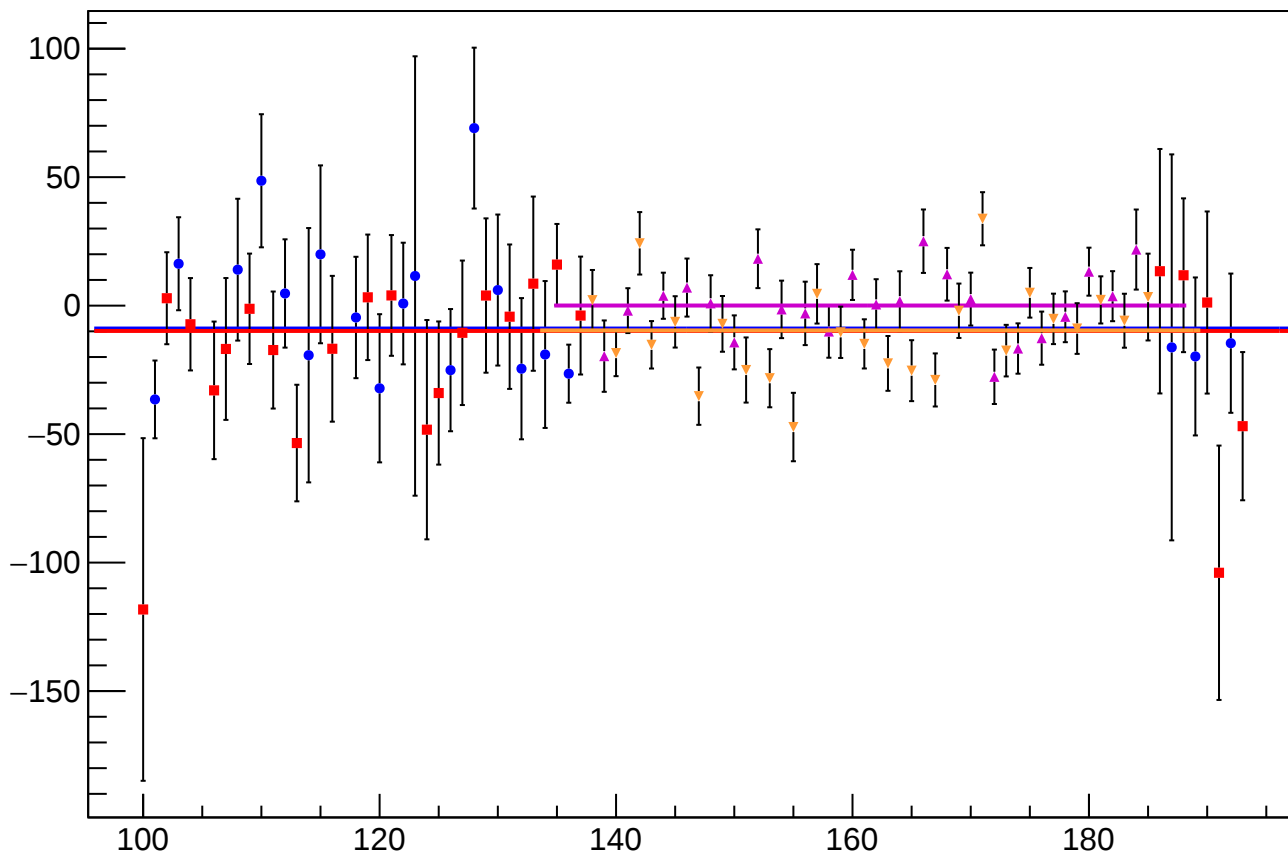
- sign 2.411 ± 1.279 χ^2/NDF : 58.8/46

diff_bpm4eY_rms vs Slug



Right In: 6542.518+/-1.672	χ^2/NDF : 1024144.4/19	+ sign 6585.459+/-0.917	χ^2/NDF : 1420335.7/44
Left Out: 6603.953+/-1.097	χ^2/NDF : 395247.5/24	All: 6532.548+/-0.644	χ^2/NDF : 3703579.8/91
Right Out: 6211.650+/-1.493	χ^2/NDF : 1809723.3/23	- sign 6481.135+/-0.904	χ^2/NDF : 2276685.2/46
Left In: 6637.155+/-1.136	χ^2/NDF : 415547.5/22		

diff_bpm4acX_mean vs Slug



Right In: -8.915 ± 5.303 χ^2/NDF : 22.9/19

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

Right Out: -9.849 ± 5.261 χ^2/NDF : 19.6/23

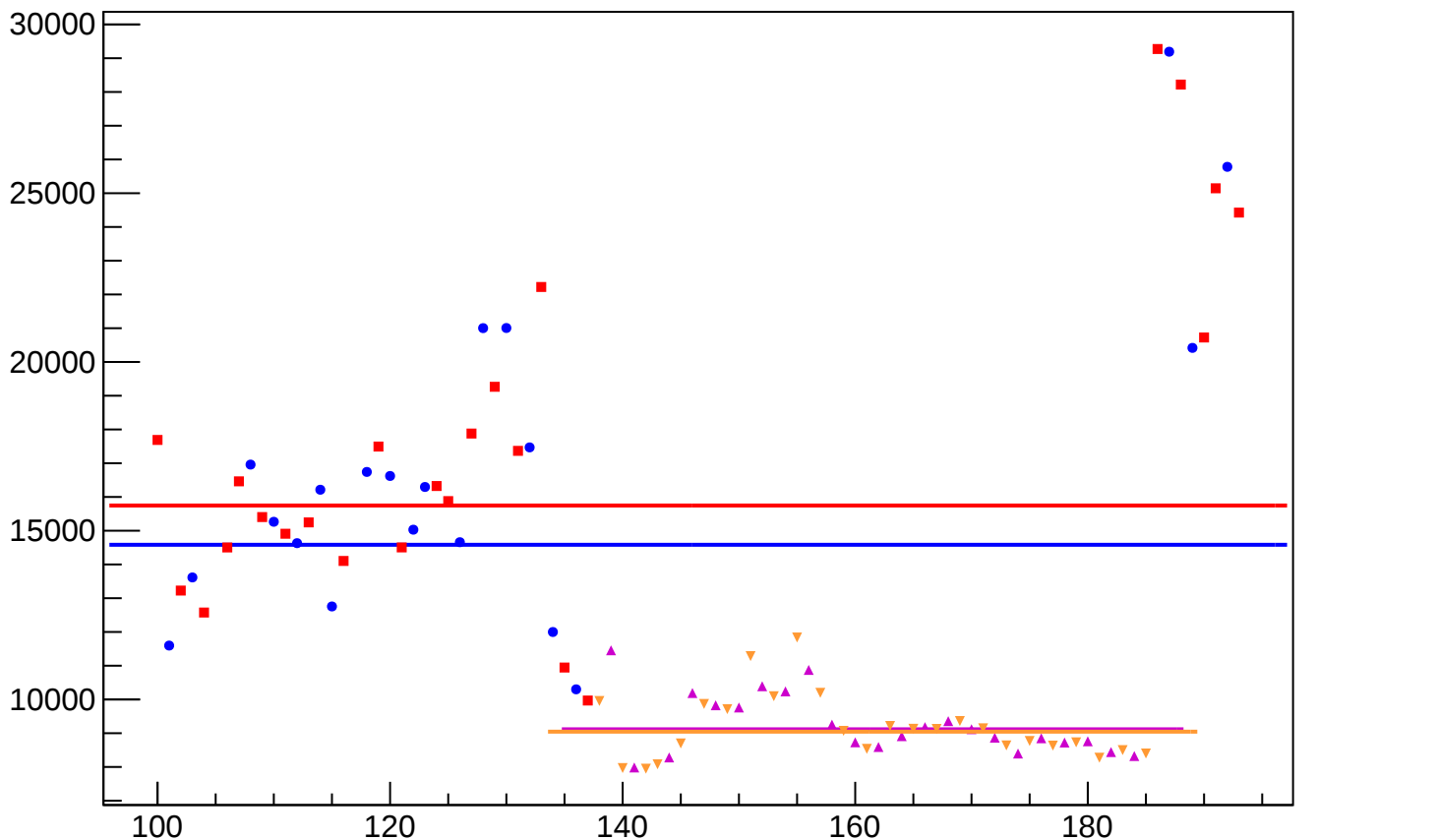
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -9.540 ± 1.970 χ^2/NDF : 82.9/44

All: -5.606 ± 1.414 χ^2/NDF : 144.4/91

- sign -1.430 ± 2.030 χ^2/NDF : 53.4/46

diff_bpm4acX_rms vs Slug



Right In: 14583.193+/-3.750 χ^2/NDF : 1130611.8/19

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

Right Out: 15746.822+/-3.720 χ^2/NDF : 1368097.1/23

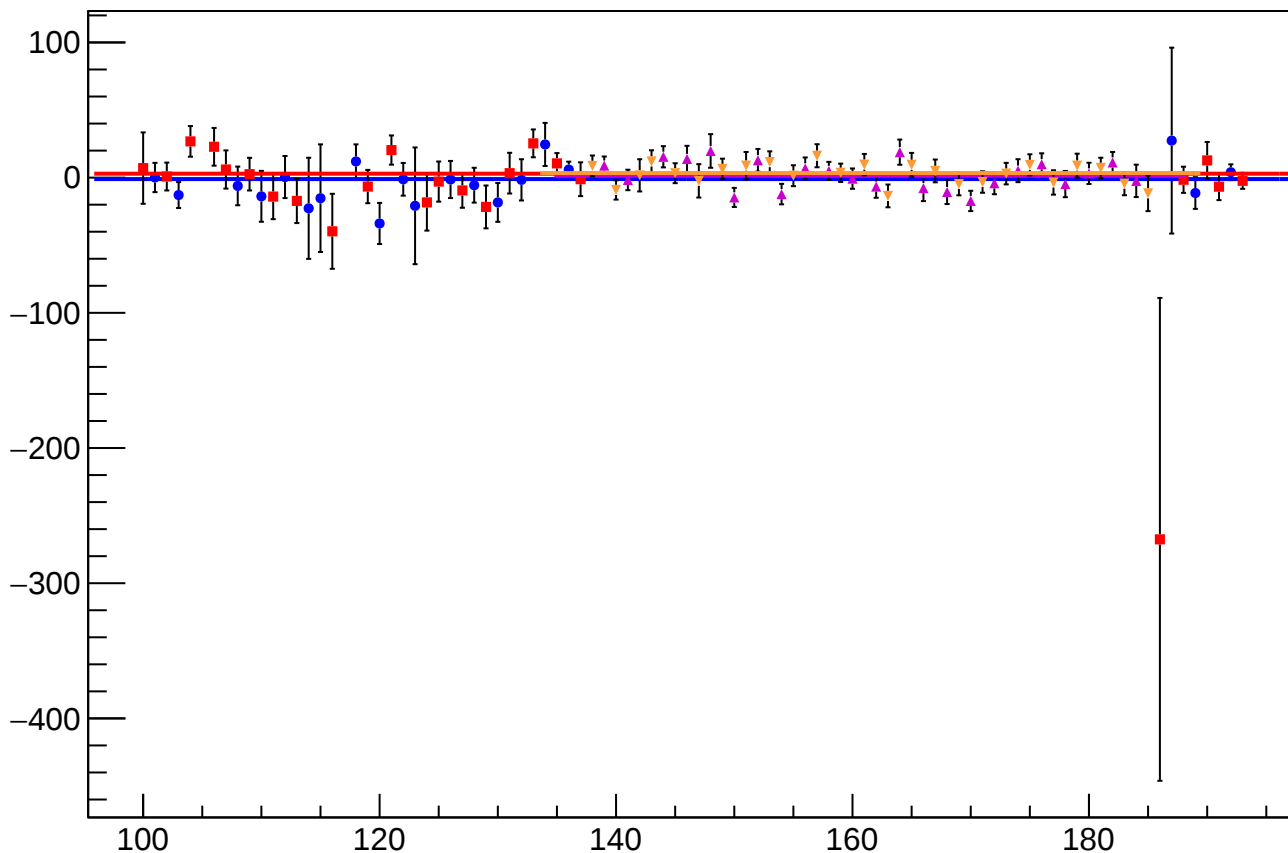
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 9809.998+/-1.393 χ^2/NDF : 3338919.0/44

All: 9952.082+/-1.000 χ^2/NDF : 7705373.1/91

- sign 10102.934+/-1.435 χ^2/NDF : 4345002.8/46

diff_bpm4acY_mean vs Slug



Right In: -1.060 ± 2.663 $\chi^2/\text{NDF}: 15.8/19$

Left Out: 3.387 ± 1.668 $\chi^2/\text{NDF}: 19.4/24$

Right Out: 2.927 ± 2.435 $\chi^2/\text{NDF}: 29.9/23$

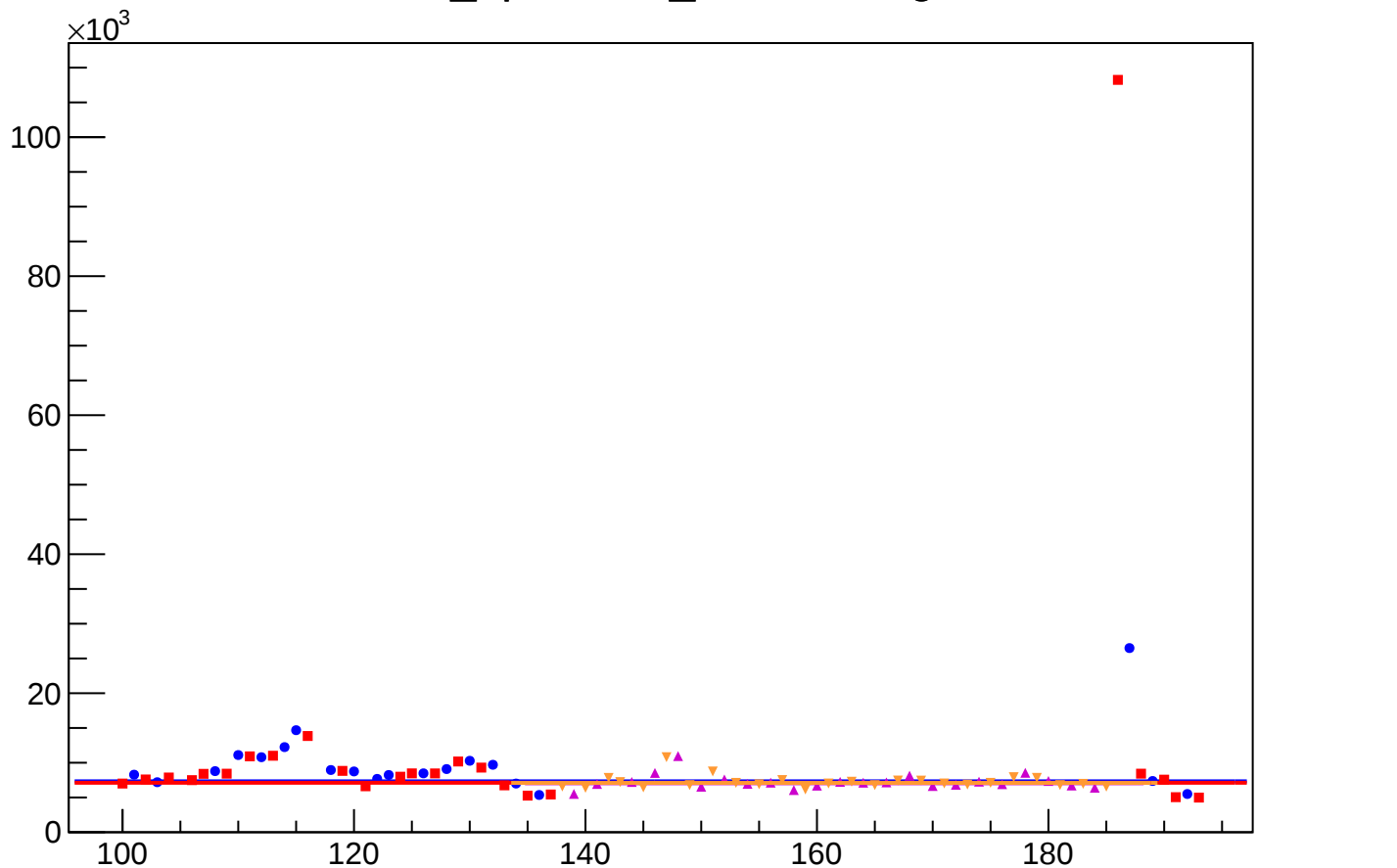
Left In: 1.479 ± 1.710 $\chi^2/\text{NDF}: 36.7/22$

+ sign 2.134 ± 1.414 $\chi^2/\text{NDF}: 37.2/44$

All: 2.045 ± 0.995 $\chi^2/\text{NDF}: 104.0/91$

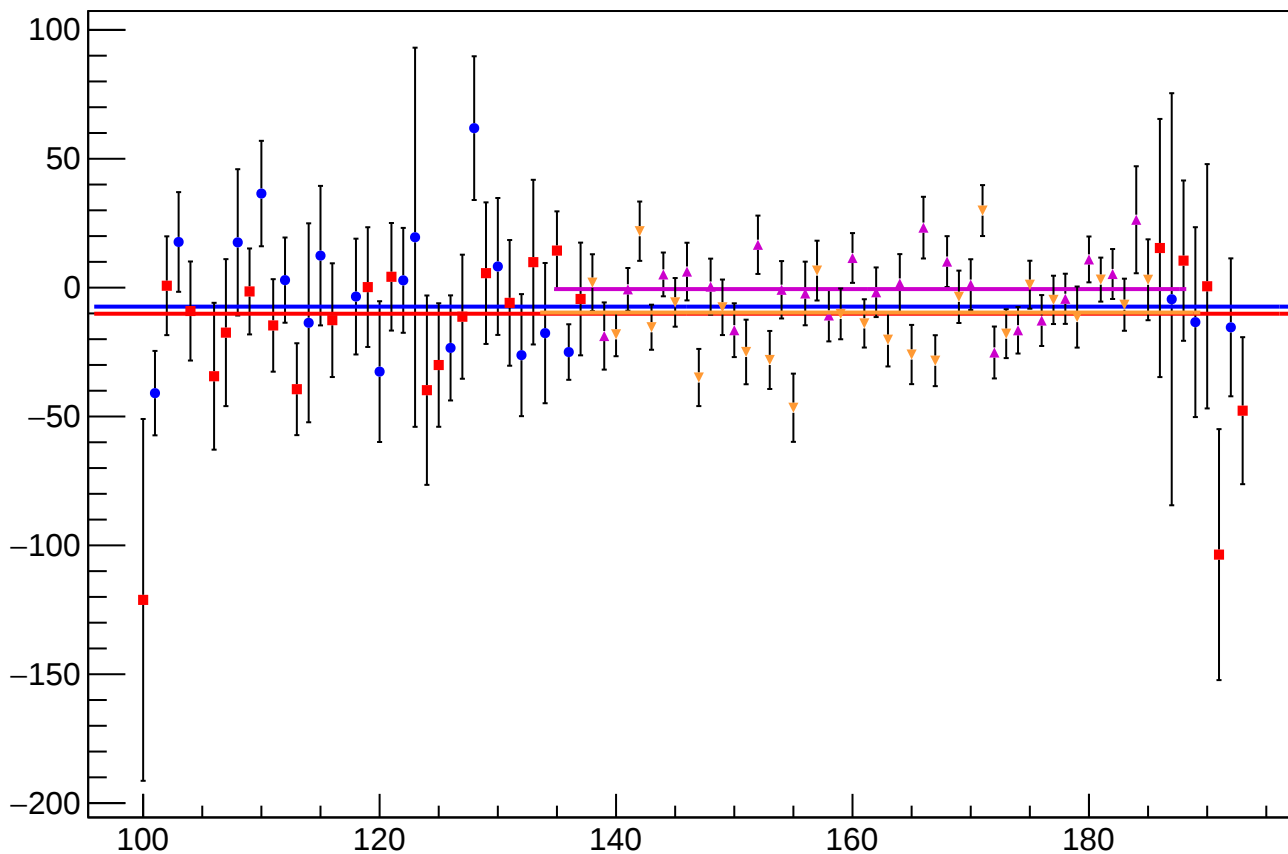
- sign 1.958 ± 1.399 $\chi^2/\text{NDF}: 66.8/46$

diff_bpm4acY_rms vs Slug



Right In: 7325.406 ± 1.883 $\chi^2/\text{NDF}: 1133761.1/19$ + sign 7160.867 ± 1.000 $\chi^2/\text{NDF}: 1526328.2/44$
 Left Out: 7096.350 ± 1.179 $\chi^2/\text{NDF}: 381942.1/24$ All: 7115.672 ± 0.703 $\chi^2/\text{NDF}: 3824043.5/91$
 Right Out: 7120.227 ± 1.721 $\chi^2/\text{NDF}: 1775030.9/23$ - sign 7071.376 ± 0.990 $\chi^2/\text{NDF}: 2293667.0/46$
 Left In: 7047.269 ± 1.209 $\chi^2/\text{NDF}: 517433.5/22$

diff_bpm4ecX_mean vs Slug



Right In: -7.370 ± 4.951 χ^2/NDF : 24.2/19

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

Right Out: -10.125 ± 4.863 χ^2/NDF : 18.3/23

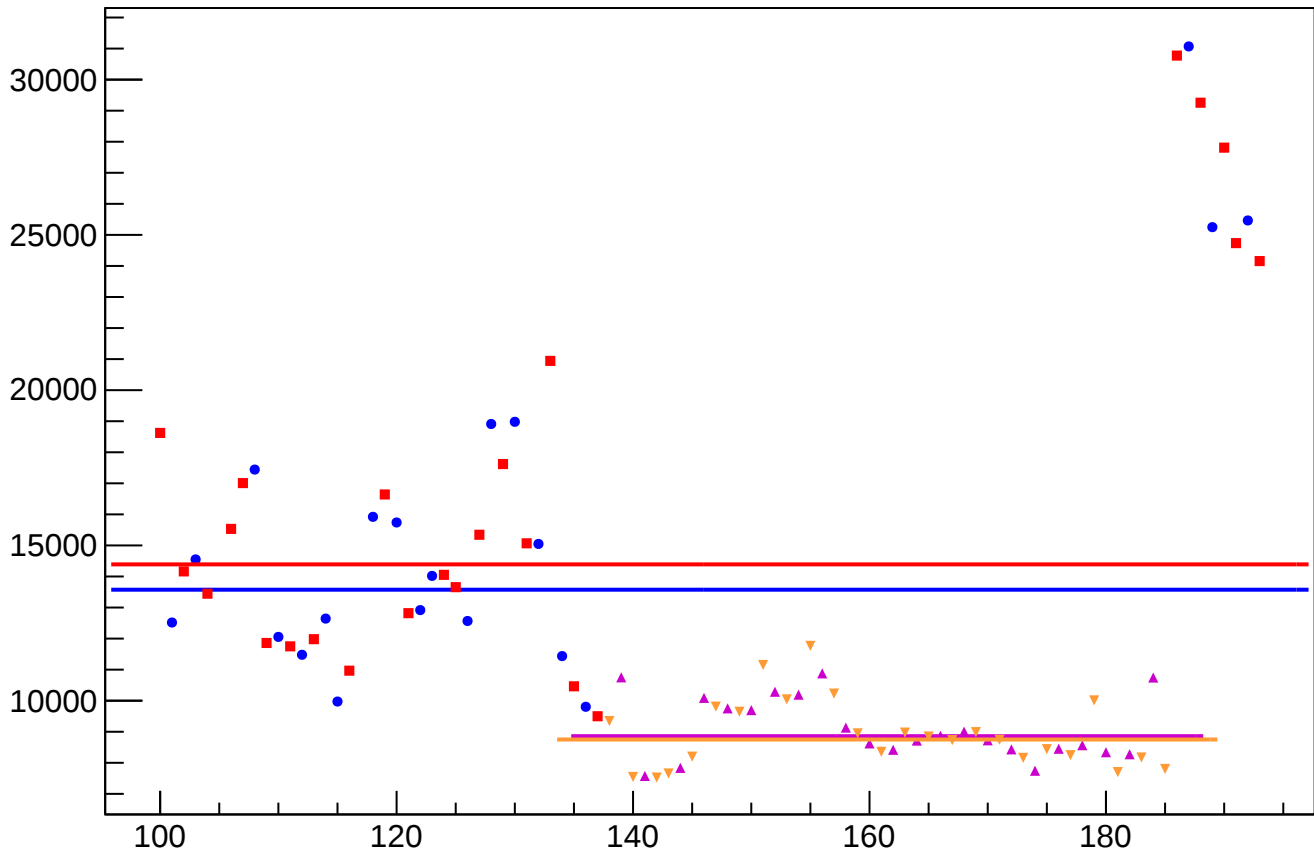
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.331 ± 1.902 χ^2/NDF : 82.3/44

All: -5.835 ± 1.366 χ^2/NDF : 140.5/91

- sign -2.119 ± 1.962 χ^2/NDF : 51.2/46

diff_bpm4ecX_rms vs Slug



Right In: 13574.443+/-3.501 χ^2/NDF : 1284328.1/19

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

Right Out: 14390.012+/-3.439 χ^2/NDF : 1744516.7/23

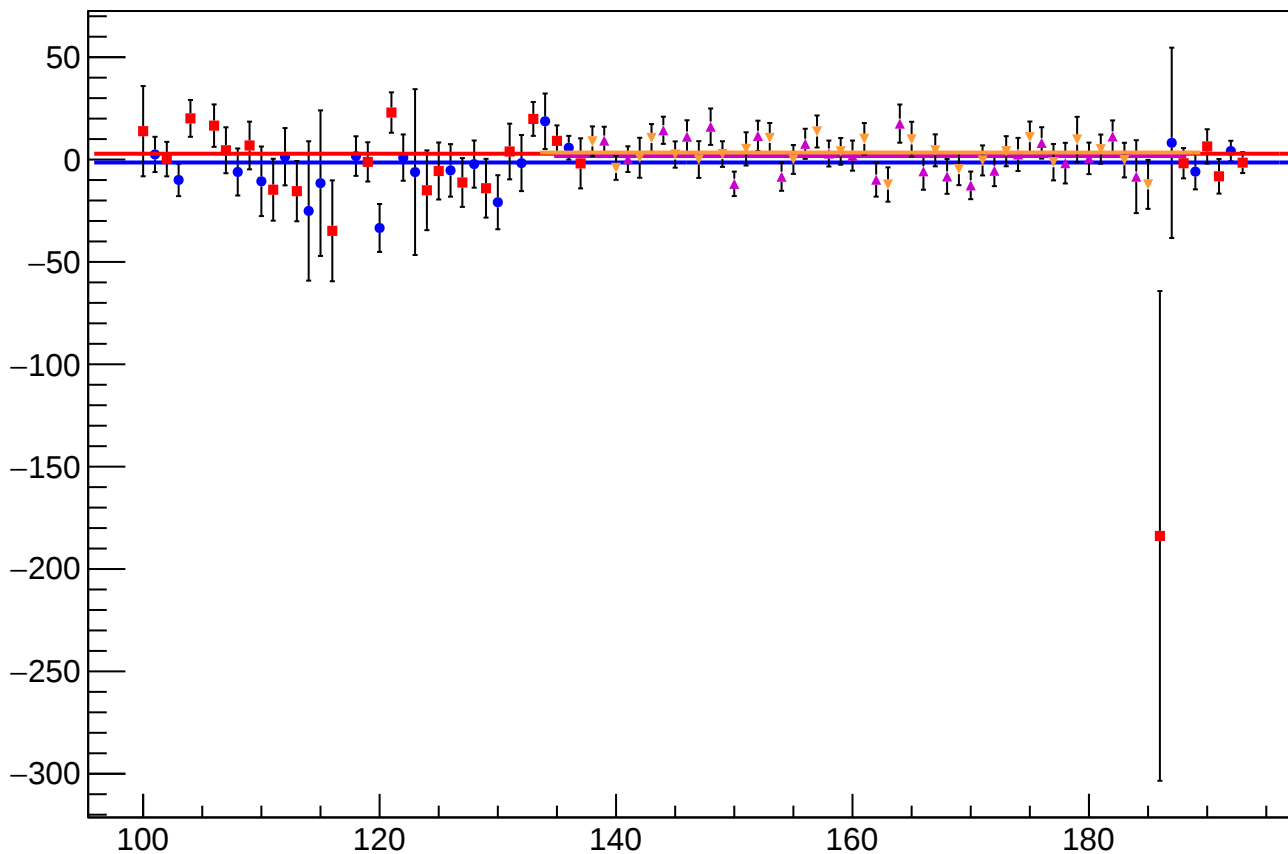
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 9462.706+/-1.345 χ^2/NDF : 3366638.9/44

All: 9605.531+/-0.966 χ^2/NDF : 7663471.7/91

- sign 9757.376+/-1.387 χ^2/NDF : 4273575.7/46

diff_bpm4ecY_mean vs Slug



Right In: -1.431 ± 2.311 χ^2/NDF : 17.6/19

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

Right Out: 2.850 ± 2.067 χ^2/NDF : 30.0/23

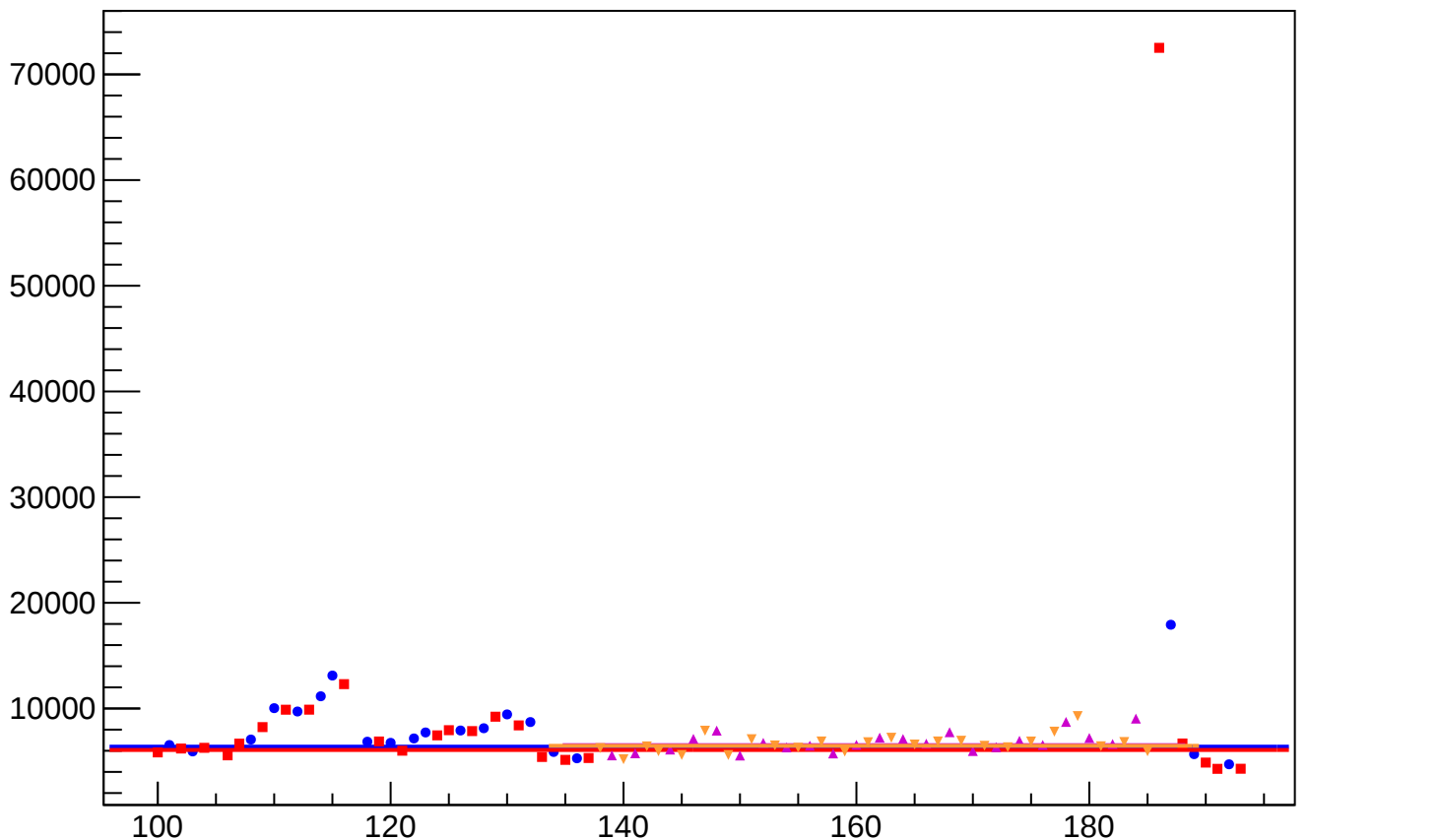
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 1.956 ± 1.273 χ^2/NDF : 36.9/44

All: 2.053 ± 0.895 χ^2/NDF : 100.7/91

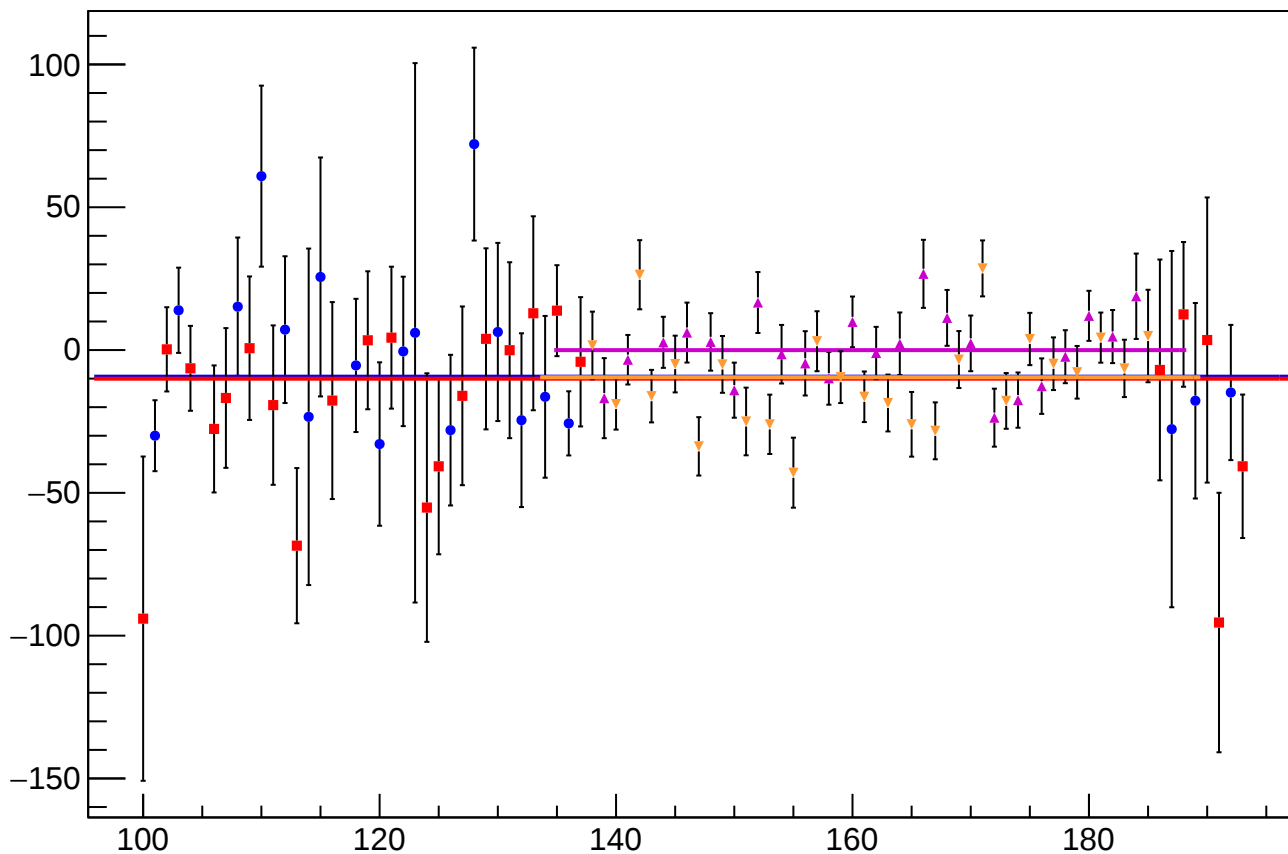
- sign 2.148 ± 1.258 χ^2/NDF : 63.8/46

diff_bpm4ecY_rms vs Slug



Right In: 6388.134+/-1.634	χ^2/NDF : 1020771.7/19	+ sign 6444.359+/-0.900	χ^2/NDF : 1509659.6/44
Left Out: 6468.872+/-1.079	χ^2/NDF : 487187.3/24	All: 6403.186+/-0.633	χ^2/NDF : 3825033.7/91
Right Out: 6077.561+/-1.462	χ^2/NDF : 1786002.1/23	- sign 6362.973+/-0.890	χ^2/NDF : 2311239.6/46
Left In: 6530.954+/-1.121	χ^2/NDF : 464668.6/22		

diff_bpm1X_mean vs Slug



Right In: -9.322 ± 5.187 χ^2/NDF : 22.3/19

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

Right Out: -10.029 ± 5.160 χ^2/NDF : 20.0/23

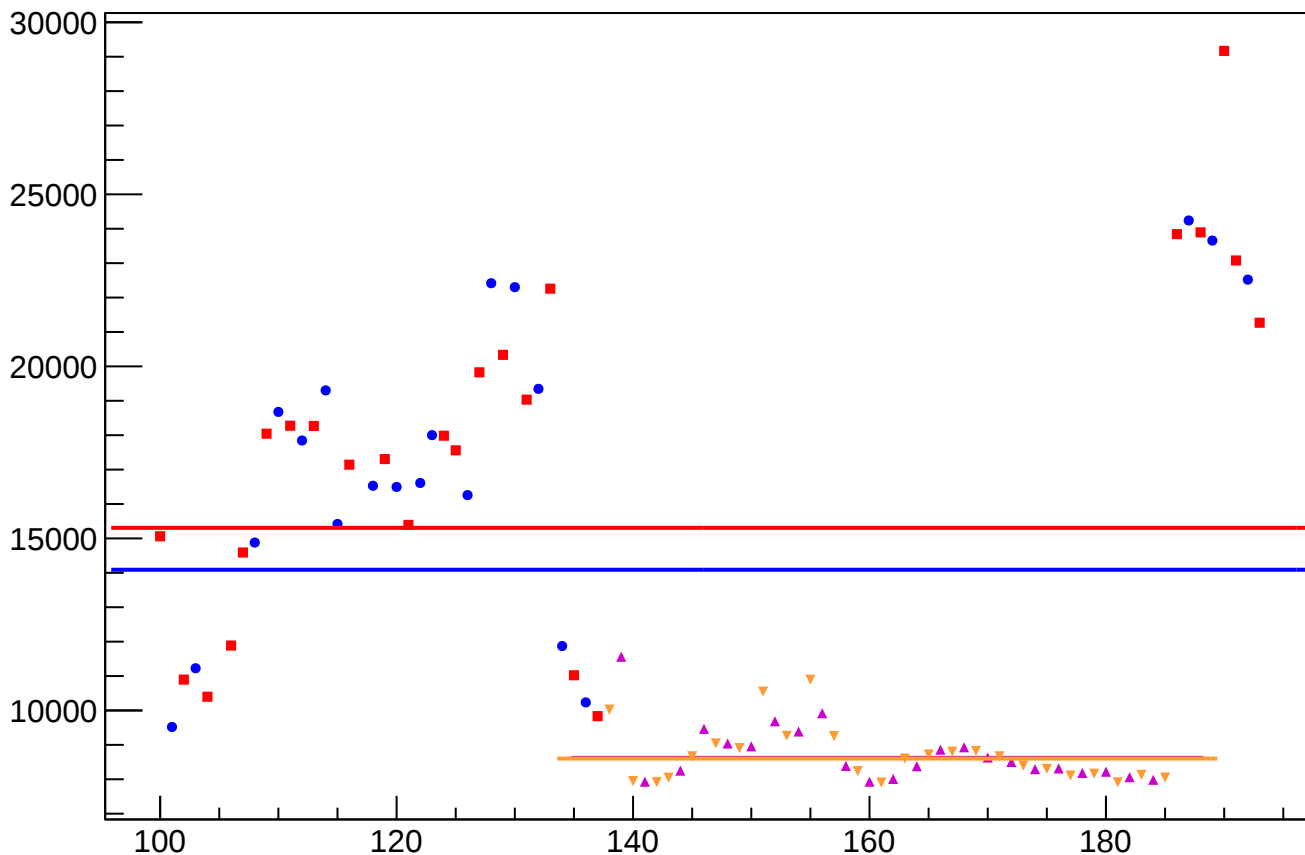
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -9.501 ± 1.878 χ^2/NDF : 81.9/44

All: -5.570 ± 1.346 χ^2/NDF : 144.0/91

- sign -1.425 ± 1.929 χ^2/NDF : 53.1/46

diff_bpm1X_rms vs Slug



Right In: 14089.358 $\pm$ 3.667 χ^2/NDF : 1551260.4/19

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

Right Out: 15308.175 $\pm$ 3.648 χ^2/NDF : 1672318.4/23

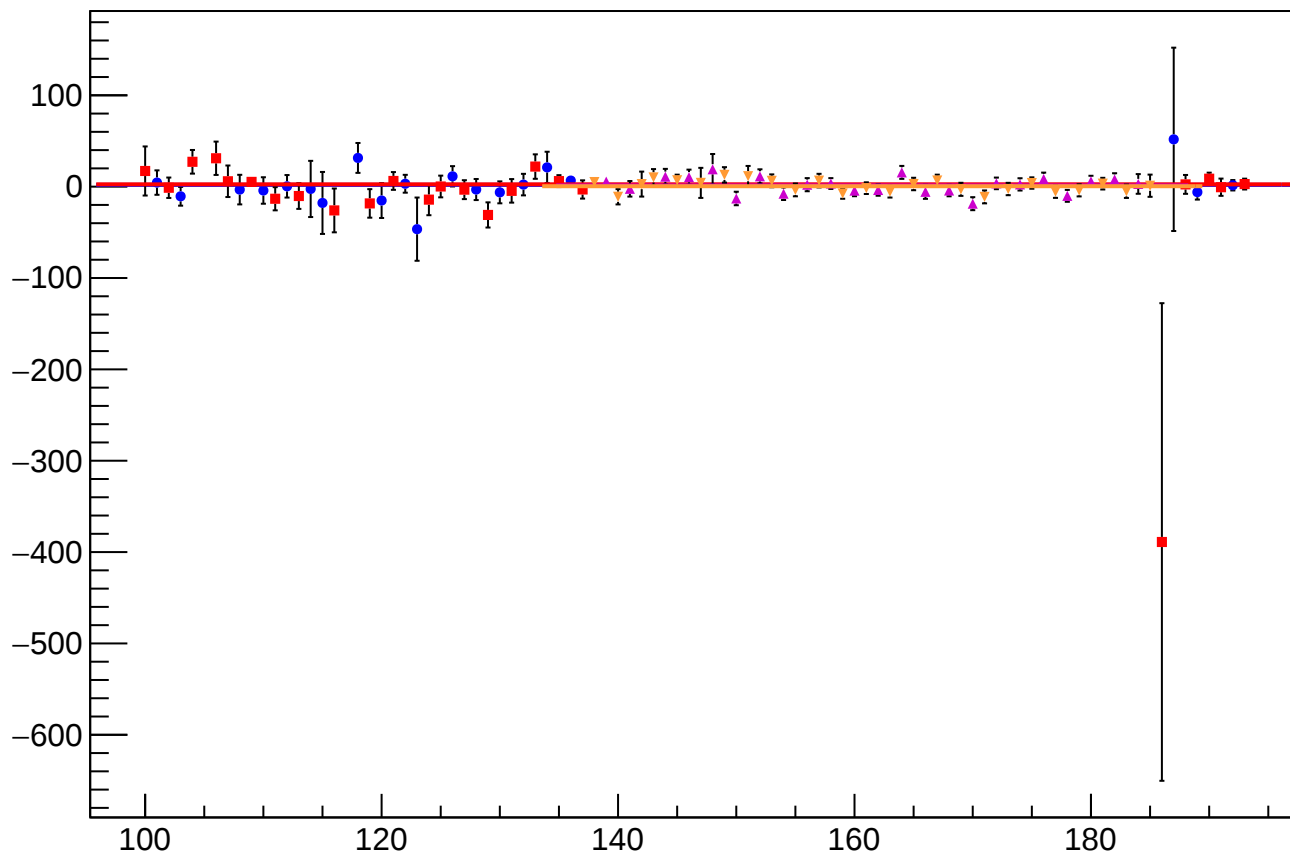
Left In: 8621.975 $\pm$ 1.471 χ^2/NDF : 230824.4/22

+ sign 9321.686 $\pm$ 1.328 χ^2/NDF : 3745240.2/44

All: 9435.987 $\pm$ 0.952 χ^2/NDF : 8552609.3/91

- sign 9556.531 $\pm$ 1.364 χ^2/NDF : 4792153.9/46

diff_bpm1Y_mean vs Slug



Right In: 1.950 $\pm$ 2.375 χ^2/NDF : 13.1/19

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

Right Out: 2.536 $\pm$ 2.044 χ^2/NDF : 26.1/23

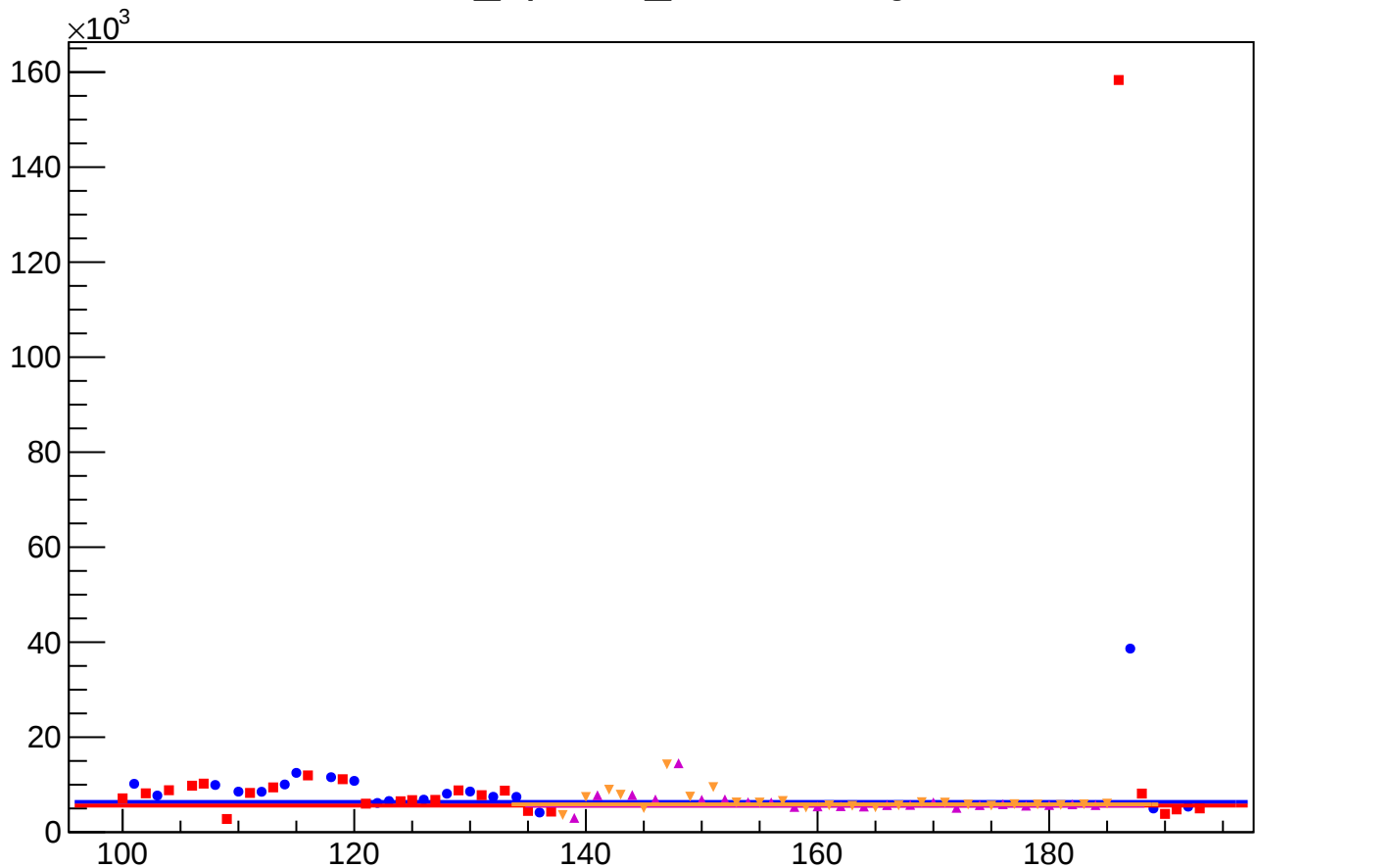
Left In: 1.298 $\pm$ 1.406 χ^2/NDF : 33.0/22

+ sign 0.867 $\pm$ 1.218 χ^2/NDF : 32.9/44

All: 1.302 $\pm$ 0.840 χ^2/NDF : 92.6/91

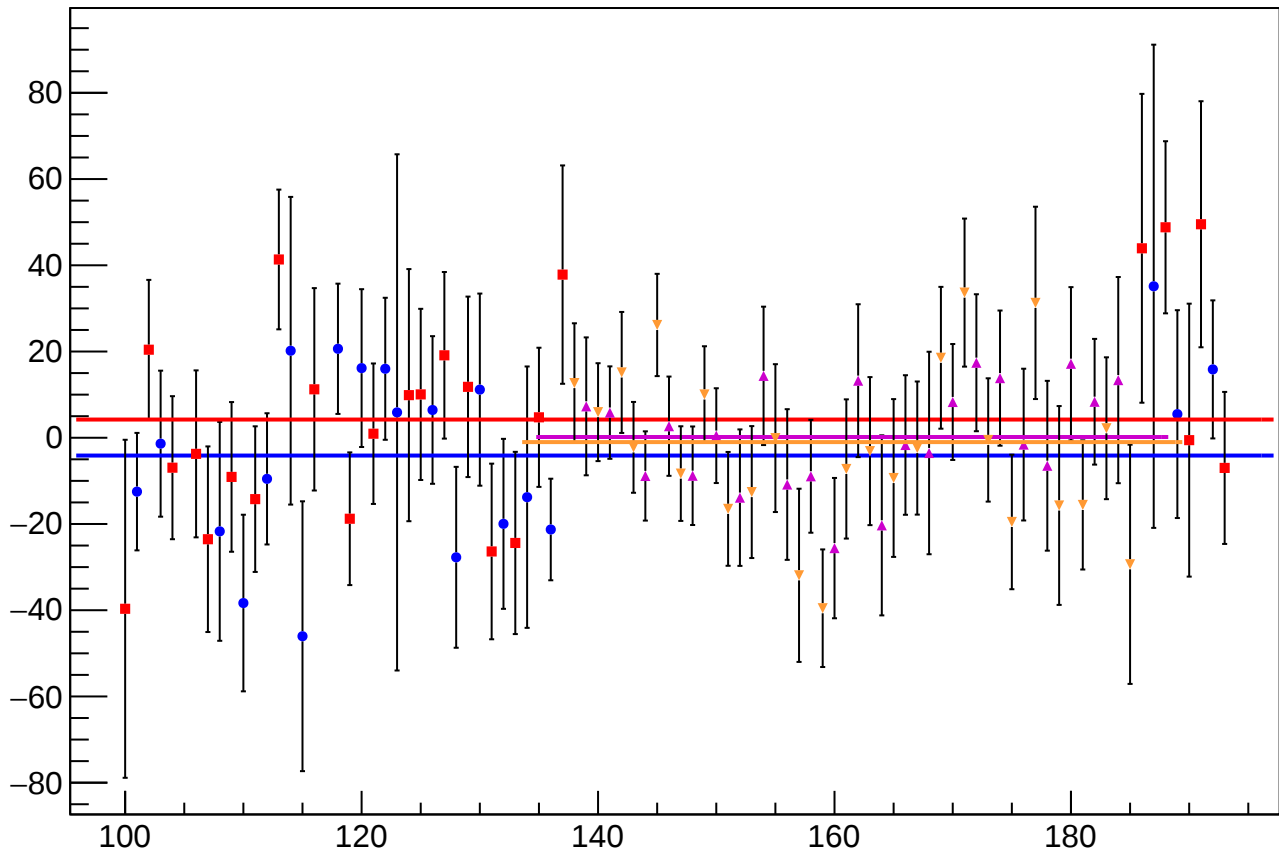
- sign 1.696 $\pm$ 1.158 χ^2/NDF : 59.4/46

diff_bpm1Y_rms vs Slug



Right In: 6362.951 ± 1.679	$\chi^2/\text{NDF}: 1748596.1/19$	+ sign 5991.377 ± 0.861	$\chi^2/\text{NDF}: 3506406.9/44$
Left Out: 5858.642 ± 1.004	$\chi^2/\text{NDF}: 1691344.1/24$	All: 5785.297 ± 0.594	$\chi^2/\text{NDF}: 8982797.1/91$
Right Out: 5603.260 ± 1.445	$\chi^2/\text{NDF}: 3277635.6/23$	- sign 5598.929 ± 0.819	$\chi^2/\text{NDF}: 5367398.9/46$
Left In: 5596.879 ± 0.994	$\chi^2/\text{NDF}: 2089750.1/22$		

diff_bpm11X_mean vs Slug



Right In: -4.127 ± 4.273 χ^2/NDF : 18.7/19

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

Right Out: 4.224 ± 4.055 χ^2/NDF : 29.8/23

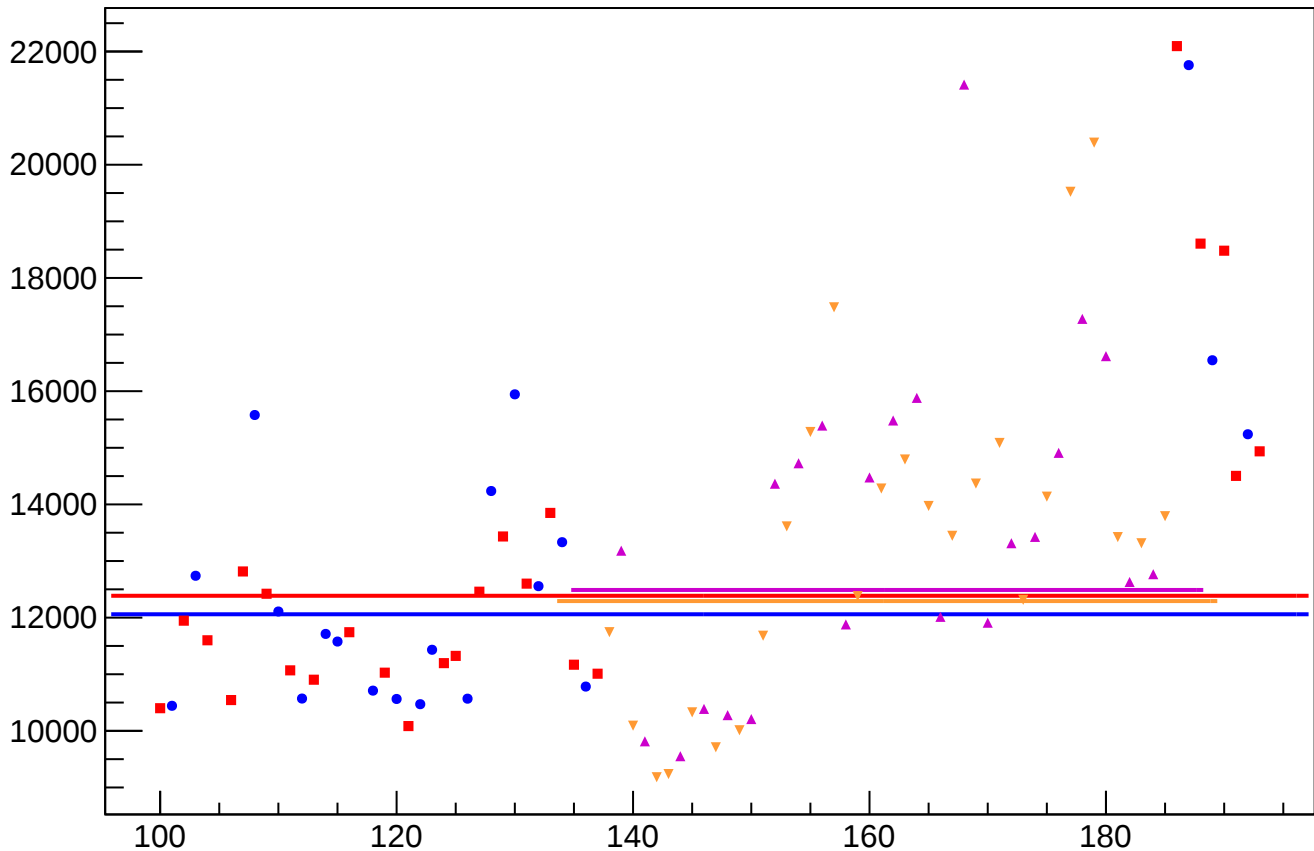
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -2.010 ± 2.423 χ^2/NDF : 52.5/44

All: -0.199 ± 1.721 χ^2/NDF : 96.5/91

- sign 1.647 ± 2.446 χ^2/NDF : 42.8/46

diff_bpm11X_rms vs Slug



Right In: 12059.424+/-3.021 χ^2/NDF : 471757.2/19

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

Right Out: 12386.205+/-2.867 χ^2/NDF : 625356.2/23

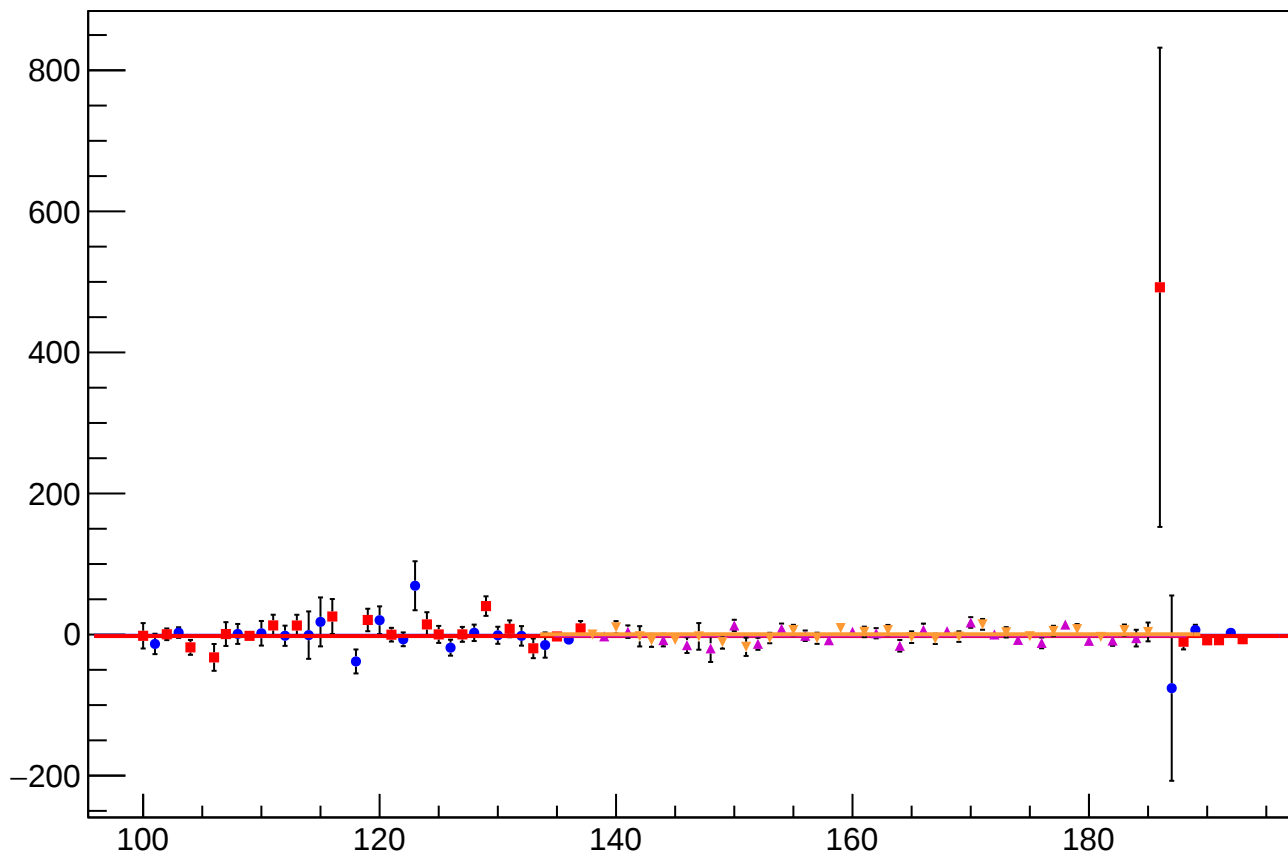
Left In: 12488.821+/-2.169 χ^2/NDF : 1354485.4/22

+ sign 12217.605+/-1.713 χ^2/NDF : 1978346.2/44

All: 12333.417+/-1.217 χ^2/NDF : 3968230.4/5

- sign 12451.475+/-1.730 χ^2/NDF : 1980656.3/46

diff_bpm11Y_mean vs Slug



Right In: -1.736 ± 2.225 χ^2/NDF : 18.4/19

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

Right Out: -2.146 ± 1.953 χ^2/NDF : 29.1/23

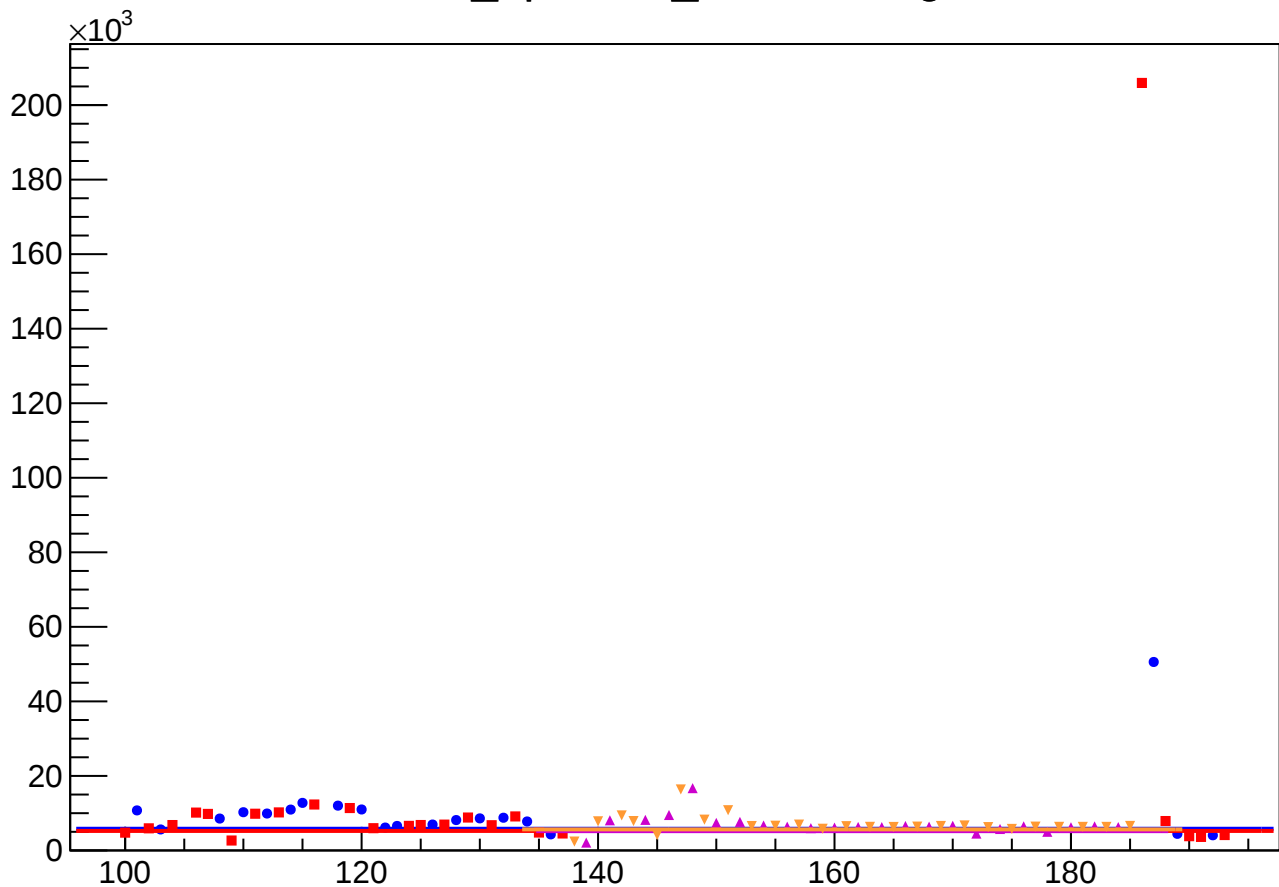
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign -0.220 ± 1.206 χ^2/NDF : 38.3/44

All: -0.938 ± 0.825 χ^2/NDF : 102.2/91

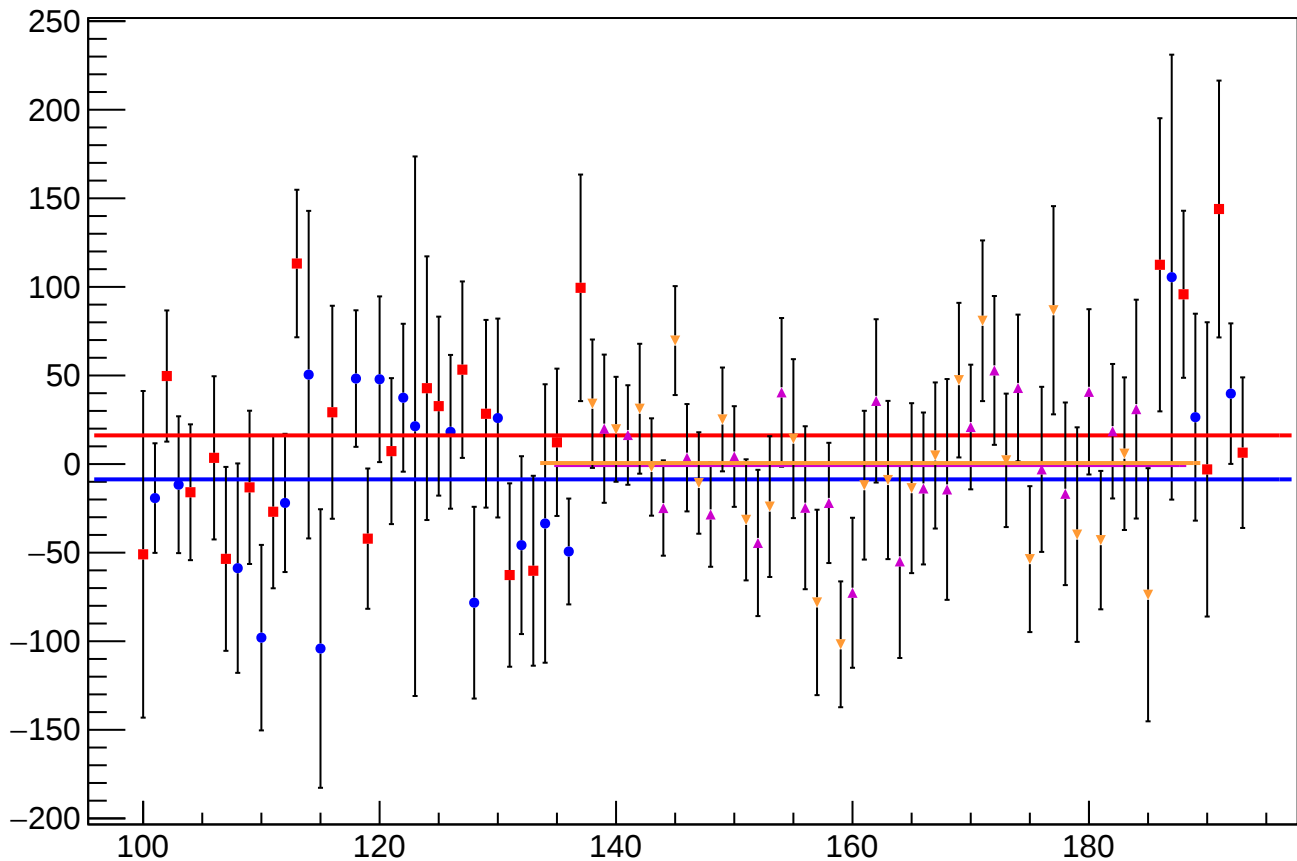
- sign -1.569 ± 1.130 χ^2/NDF : 63.2/46

diff_bpm11Y_rms vs Slug



Right In: 5820.830 ± 1.573 $\chi^2/\text{NDF}: 2292168.3/19$ + sign 5704.150 ± 0.853 $\chi^2/\text{NDF}: 6424080.1/44$
 Left Out: 5655.639 ± 1.014 $\chi^2/\text{NDF}: 4124124.3/24$ All: 5435.734 ± 0.583 $\chi^2/\text{NDF}: 15324332.6/9$
 Right Out: 5238.012 ± 1.381 $\chi^2/\text{NDF}: 3362848.5/23$ - sign 5199.924 ± 0.799 $\chi^2/\text{NDF}: 8714046.2/46$
 Left In: 5180.743 ± 0.980 $\chi^2/\text{NDF}: 5350053.6/22$

diff_bpm12X_mean vs Slug



Right In: -8.637 ± 10.593 χ^2/NDF : 18.2/19

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

Right Out: 16.187 ± 10.059 χ^2/NDF : 27.4/23

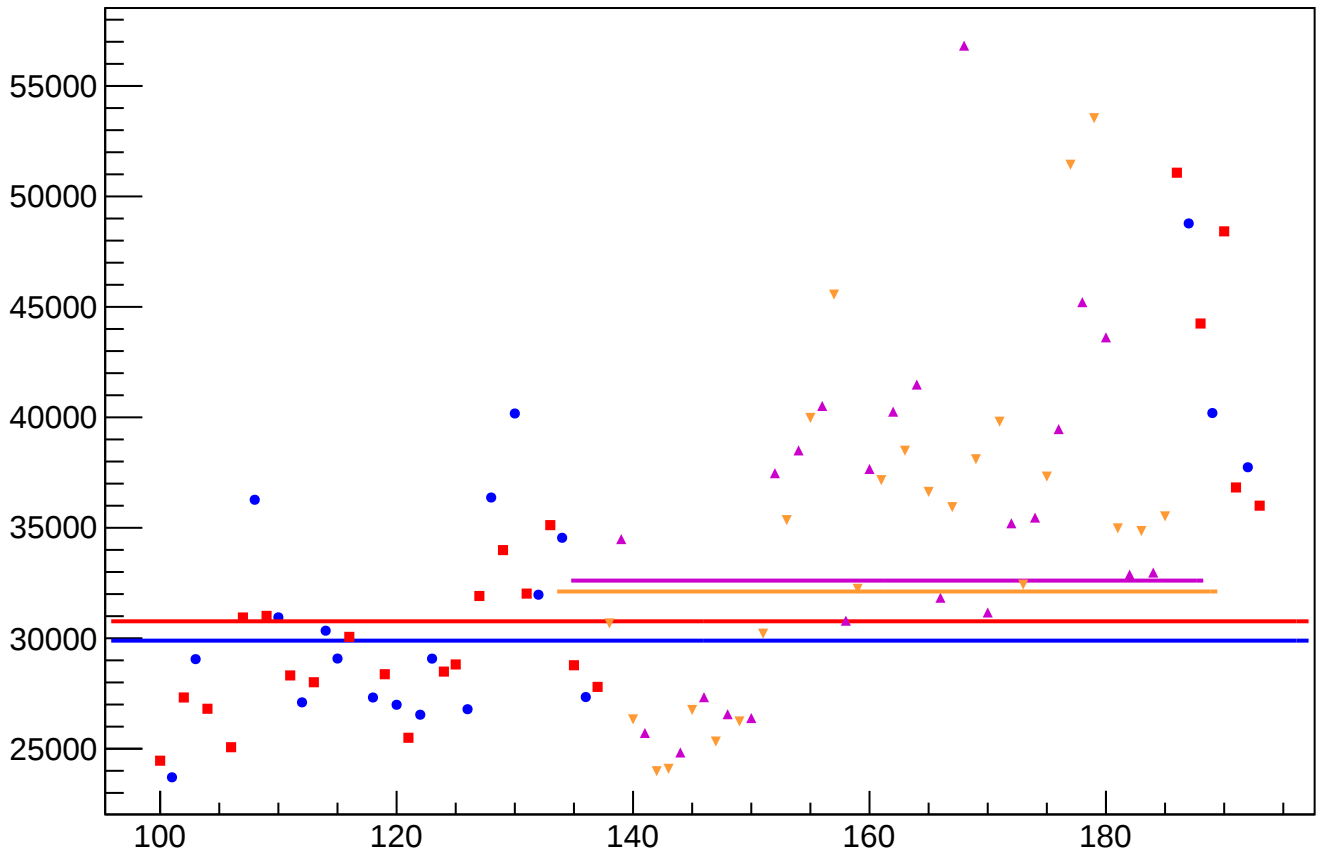
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign -2.602 ± 6.223 χ^2/NDF : 49.7/44

All: 1.639 ± 4.416 χ^2/NDF : 94.0/91

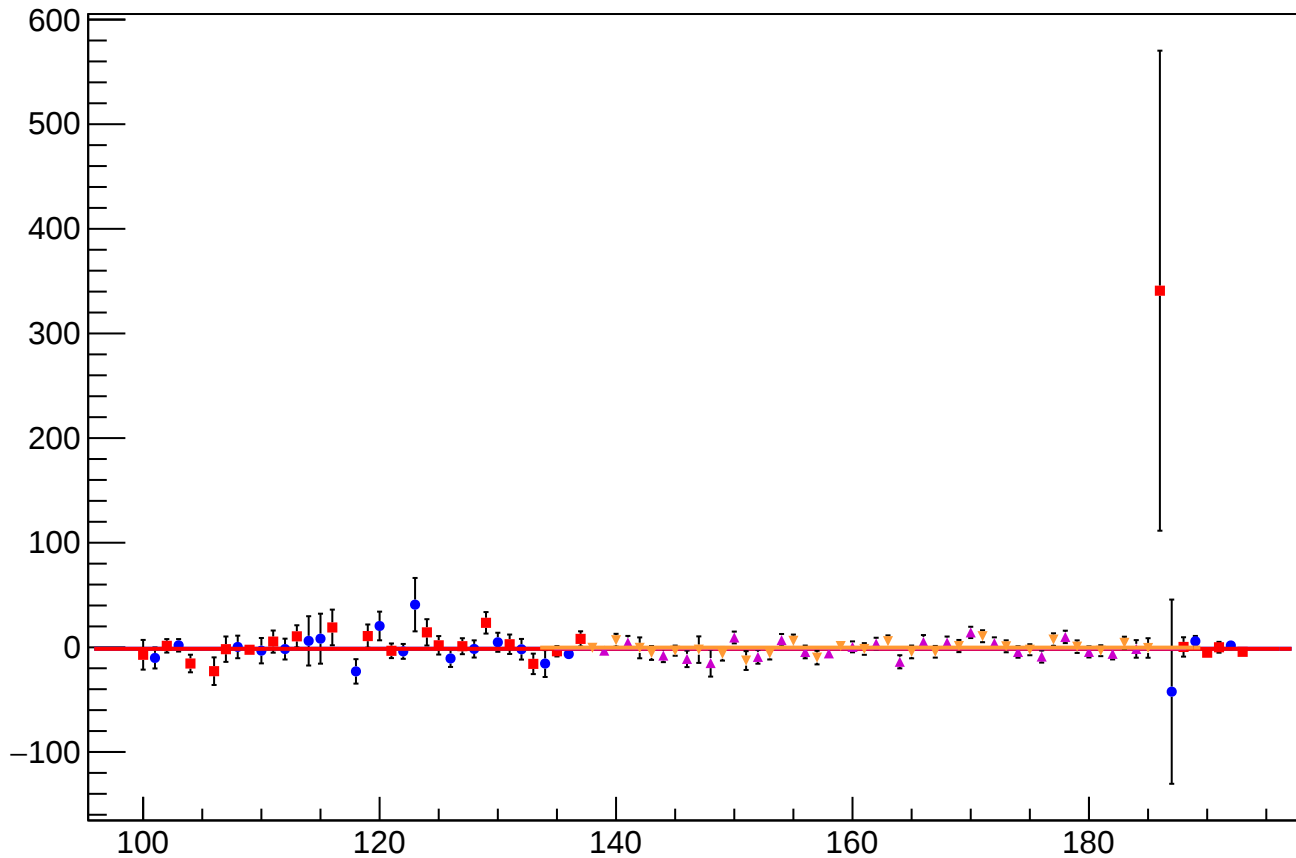
- sign 5.940 ± 6.268 χ^2/NDF : 43.4/46

diff_bpm12X_rms vs Slug



Right In: 29892.591+/-7.490	χ^2/NDF : 462029.5/19	+ sign 31349.331+/-4.401	χ^2/NDF : 2056531.4/44
Left Out: 32117.184+/-5.438	χ^2/NDF : 1536740.0/24	All: 31620.151+/-3.123	χ^2/NDF : 4093177.1/5
Right Out: 30768.196+/-7.113	χ^2/NDF : 589521.5/23	- sign 31894.893+/-4.432	χ^2/NDF : 2029016.1/46
Left In: 32610.108+/-5.667	χ^2/NDF : 1398475.8/22		

diff_bpm12Y_mean vs Slug



Right In: -1.352 ± 1.603 χ^2/NDF : 18.7/19

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

Right Out: -1.420 ± 1.452 χ^2/NDF : 26.1/23

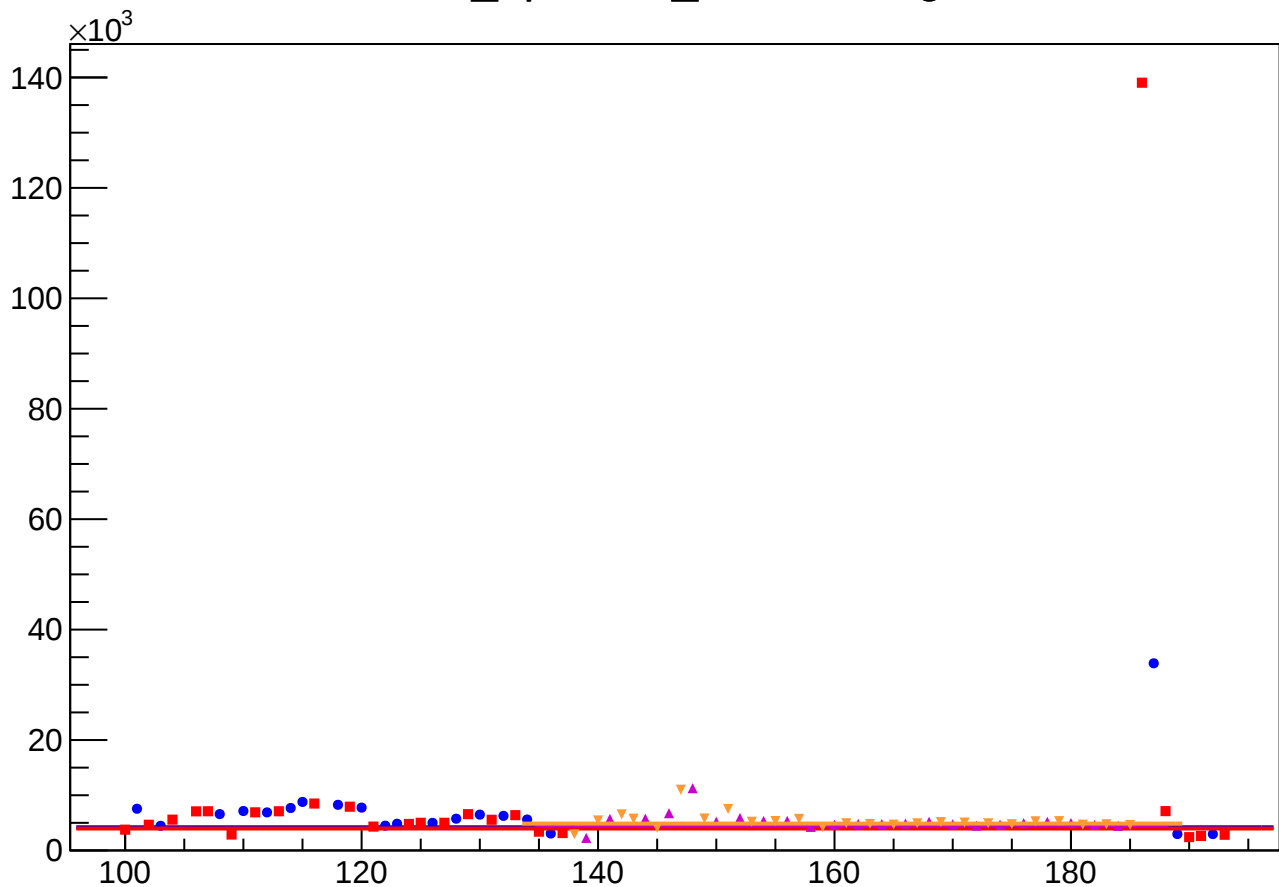
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign -0.638 ± 0.947 χ^2/NDF : 37.1/44

All: -0.889 ± 0.653 χ^2/NDF : 99.5/91

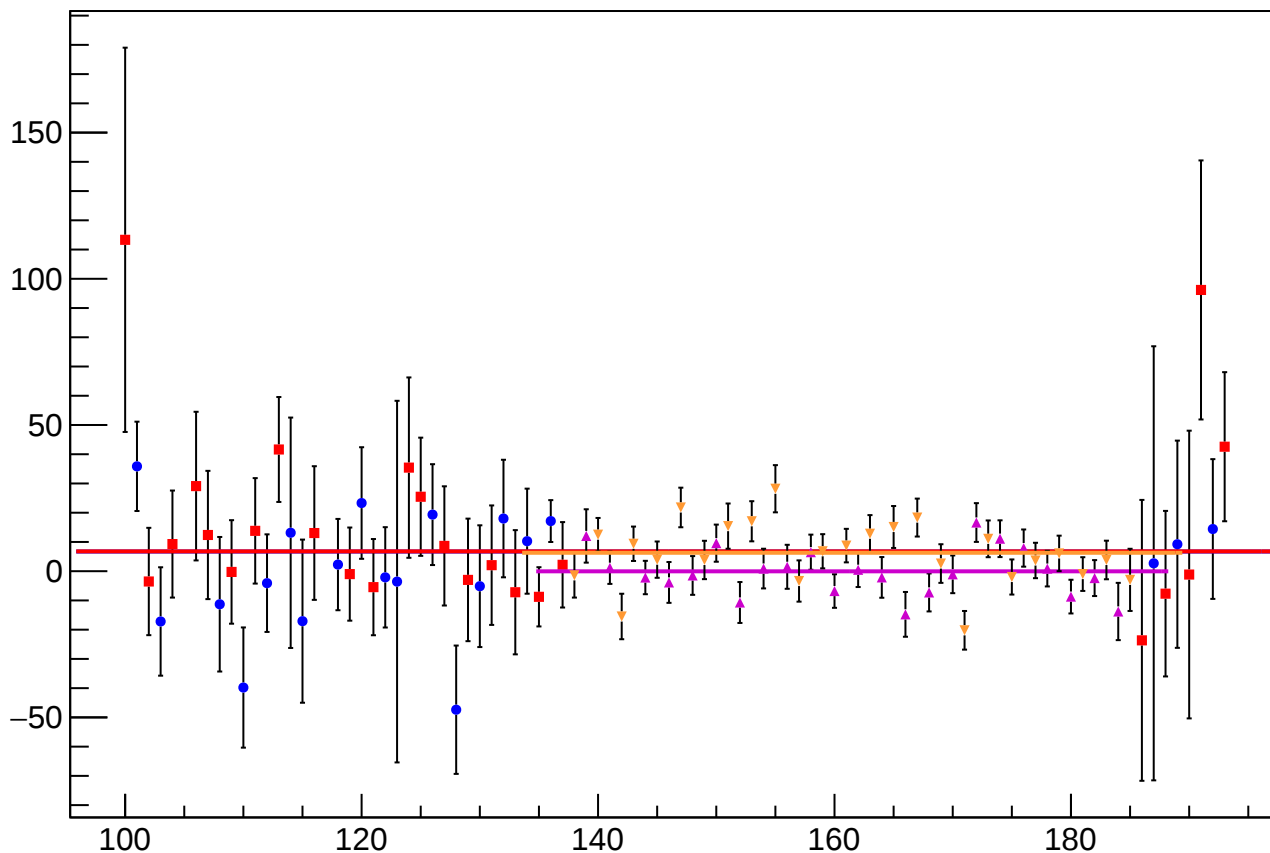
- sign -1.117 ± 0.903 χ^2/NDF : 62.3/46

diff_bpm12Y_rms vs Slug



Right In: 4200.170 ± 1.134 $\chi^2/\text{NDF}: 2298699.8/19$ + sign 4634.248 ± 0.669 $\chi^2/\text{NDF}: 4035218.8/44$
 Left Out: 4866.528 ± 0.829 $\chi^2/\text{NDF}: 1511486.2/24$ All: 4483.797 ± 0.462 $\chi^2/\text{NDF}: 10003559.8/9$
 Right Out: 3974.115 ± 1.027 $\chi^2/\text{NDF}: 3178091.8/23$ - sign 4346.826 ± 0.639 $\chi^2/\text{NDF}: 5871828.6/46$
 Left In: 4582.193 ± 0.816 $\chi^2/\text{NDF}: 2478681.0/22$

diff_bpm16X_mean vs Slug



Right In: 6.726 ± 3.983 χ^2/NDF : 22.9/19

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

Right Out: 6.782 ± 4.079 χ^2/NDF : 20.4/23

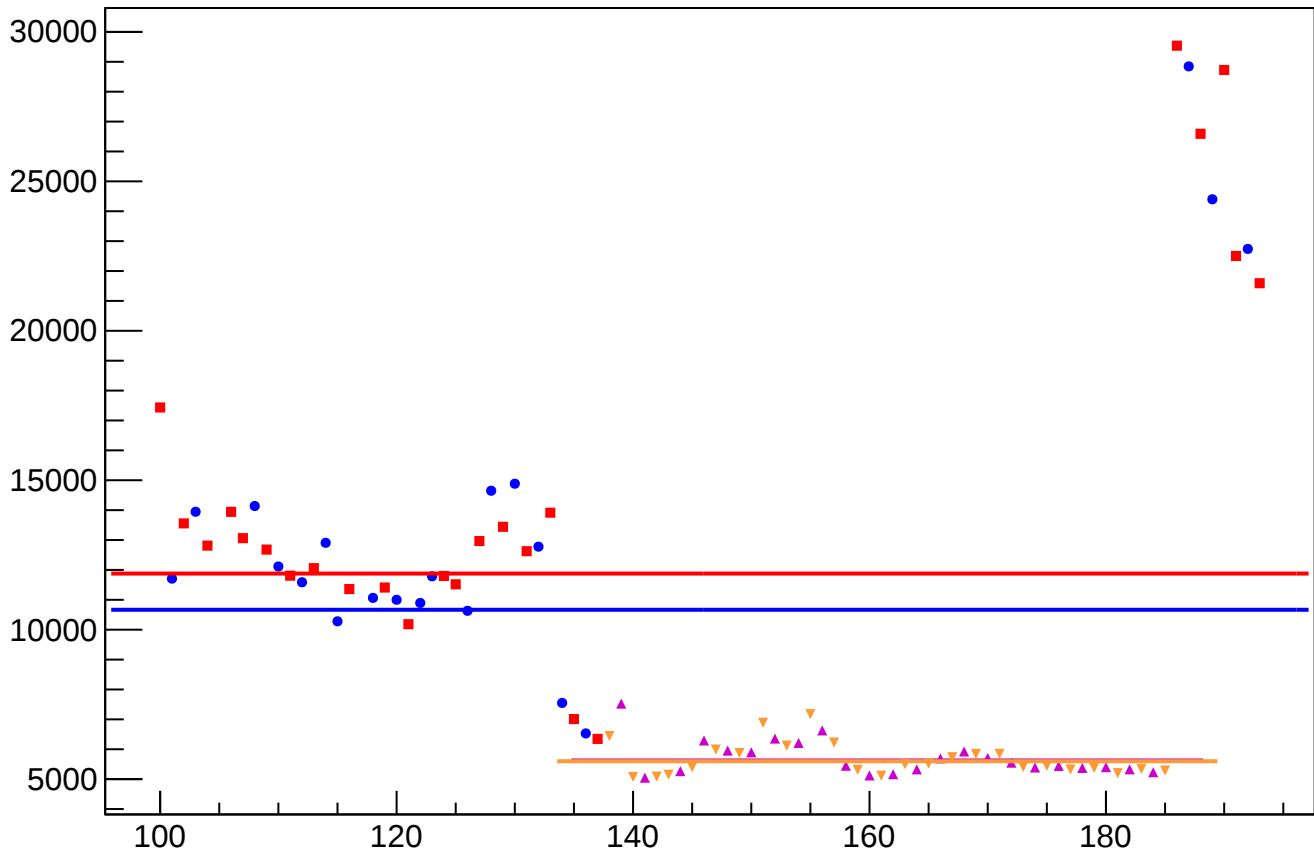
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

+ sign 6.344 ± 1.247 χ^2/NDF : 79.6/44

All: 3.584 ± 0.896 χ^2/NDF : 142.6/91

- sign 0.637 ± 1.288 χ^2/NDF : 52.9/46

diff_bpm16X_rms vs Slug



Right In: 10666.609+/-2.816 χ^2/NDF : 1971829.4/19

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

Right Out: 11877.987+/-2.884 χ^2/NDF : 2322163.5/23

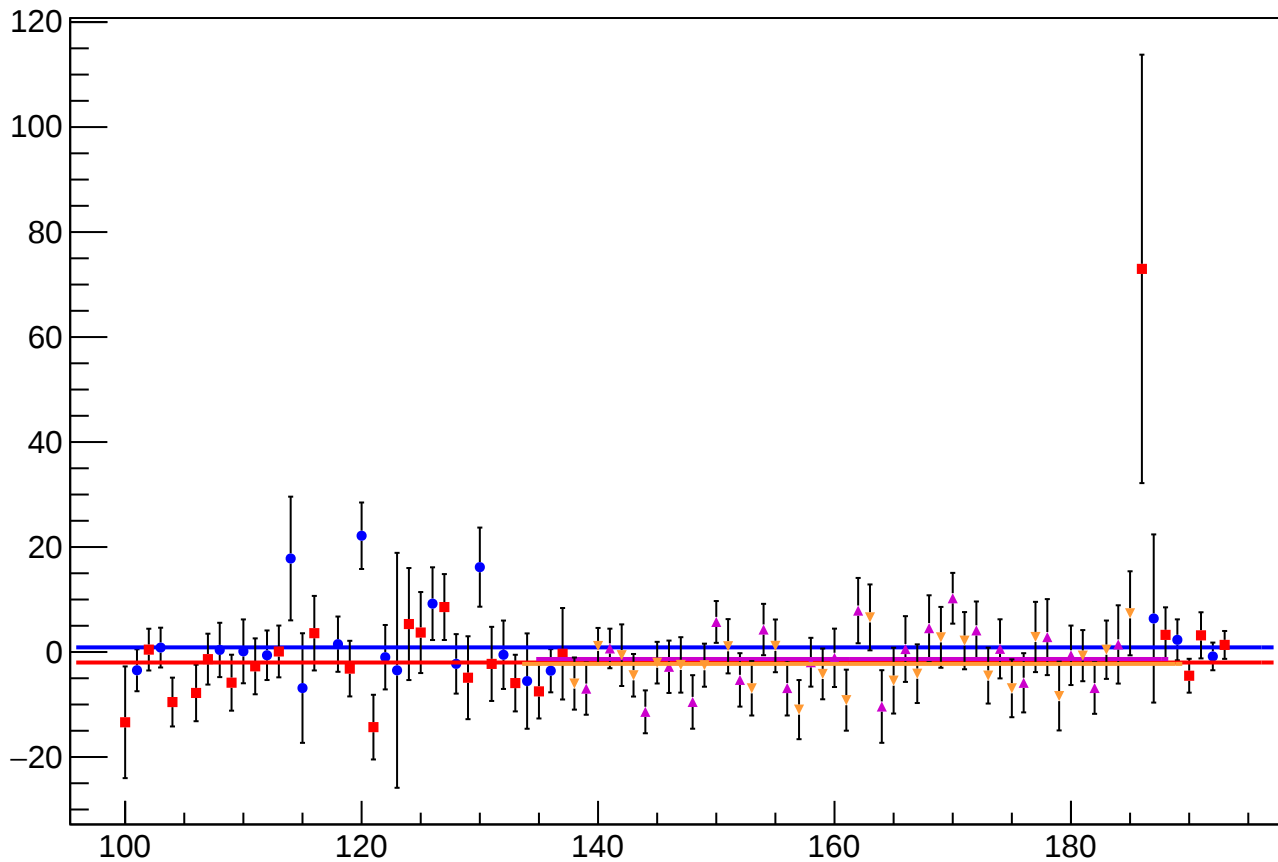
Left In: 5625.163+/-0.960 χ^2/NDF : 272563.5/22

+ sign 6095.209+/-0.881 χ^2/NDF : 5175661.0/44

All: 6169.544+/-0.633 χ^2/NDF : 12016636.2/50

- sign 6248.927+/-0.911 χ^2/NDF : 6826269.3/46

diff_bpm16Y_mean vs Slug



Right In: 0.885 ± 1.174 χ^2/NDF : 23.6/19

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

Right Out: -2.000 ± 1.061 χ^2/NDF : 24.4/23

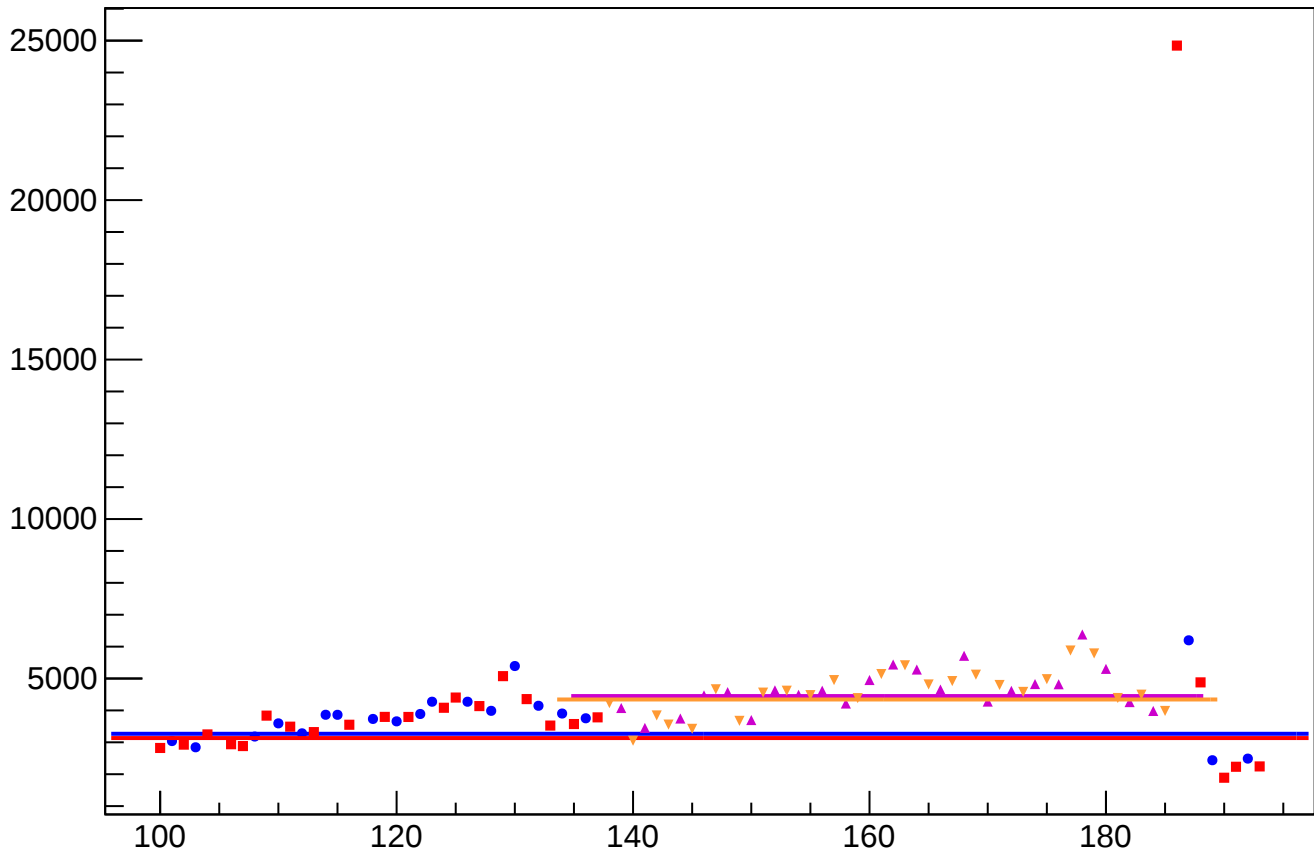
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -0.893 ± 0.774 χ^2/NDF : 43.2/44

All: -1.290 ± 0.542 χ^2/NDF : 98.9/91

- sign -1.671 ± 0.758 χ^2/NDF : 55.2/46

diff_bpm16Y_rms vs Slug



Right In: 3267.471 $\pm$ 0.830 χ^2 /NDF: 736249.2/19

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

Right Out: 3133.232 $\pm$ 0.751 χ^2 /NDF: 1855370.1/23

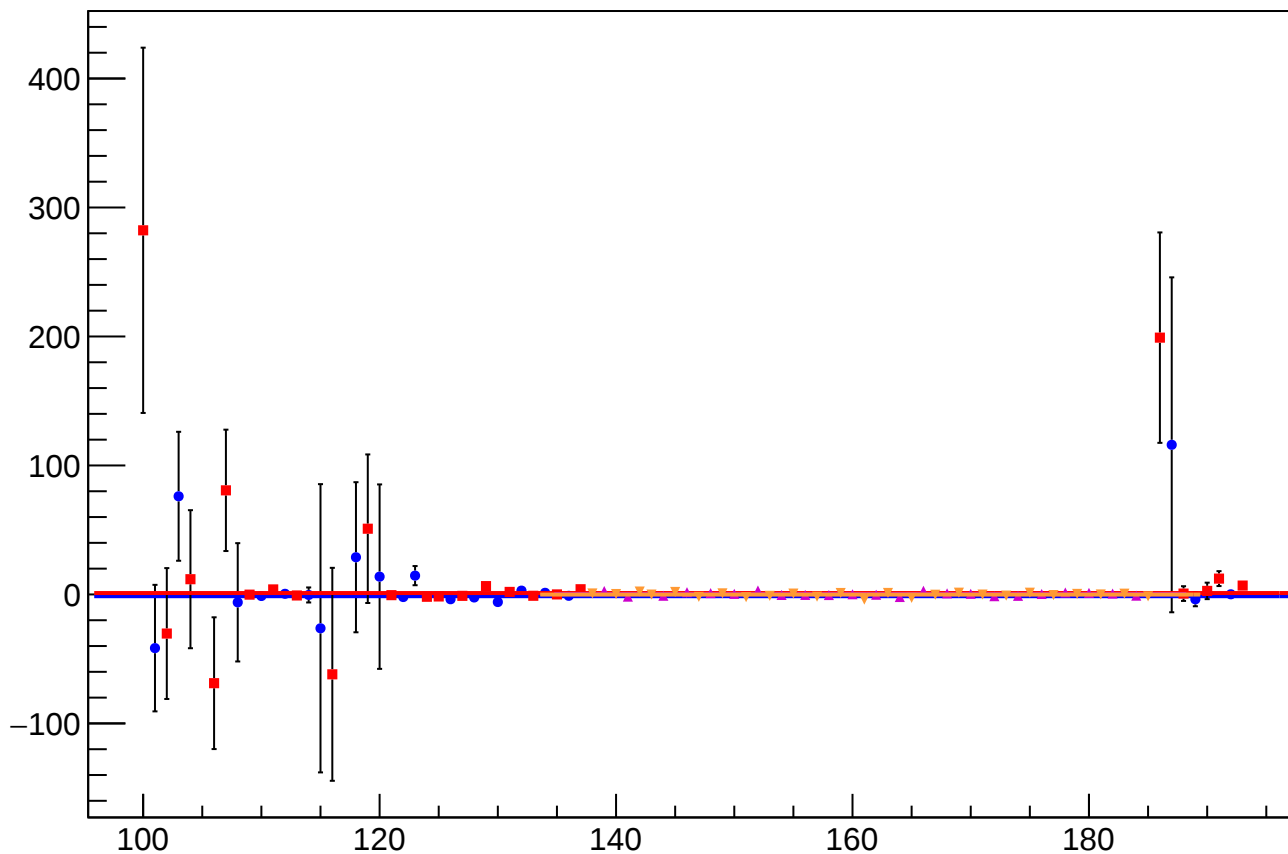
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF: 693229.8/22

+ sign 3874.959 $\pm$ 0.548 χ^2 /NDF: 2676947.4/44

All: 3825.938 $\pm$ 0.383 χ^2 /NDF: 6750653.2/91

- sign 3778.998 $\pm$ 0.536 χ^2 /NDF: 4058014.7/46

diff_bpm1p02bX_mean vs Slug



Right In: -1.368 ± 0.725 χ^2/NDF : 17.9/19

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

Right Out: 1.087 ± 0.685 χ^2/NDF : 34.1/23

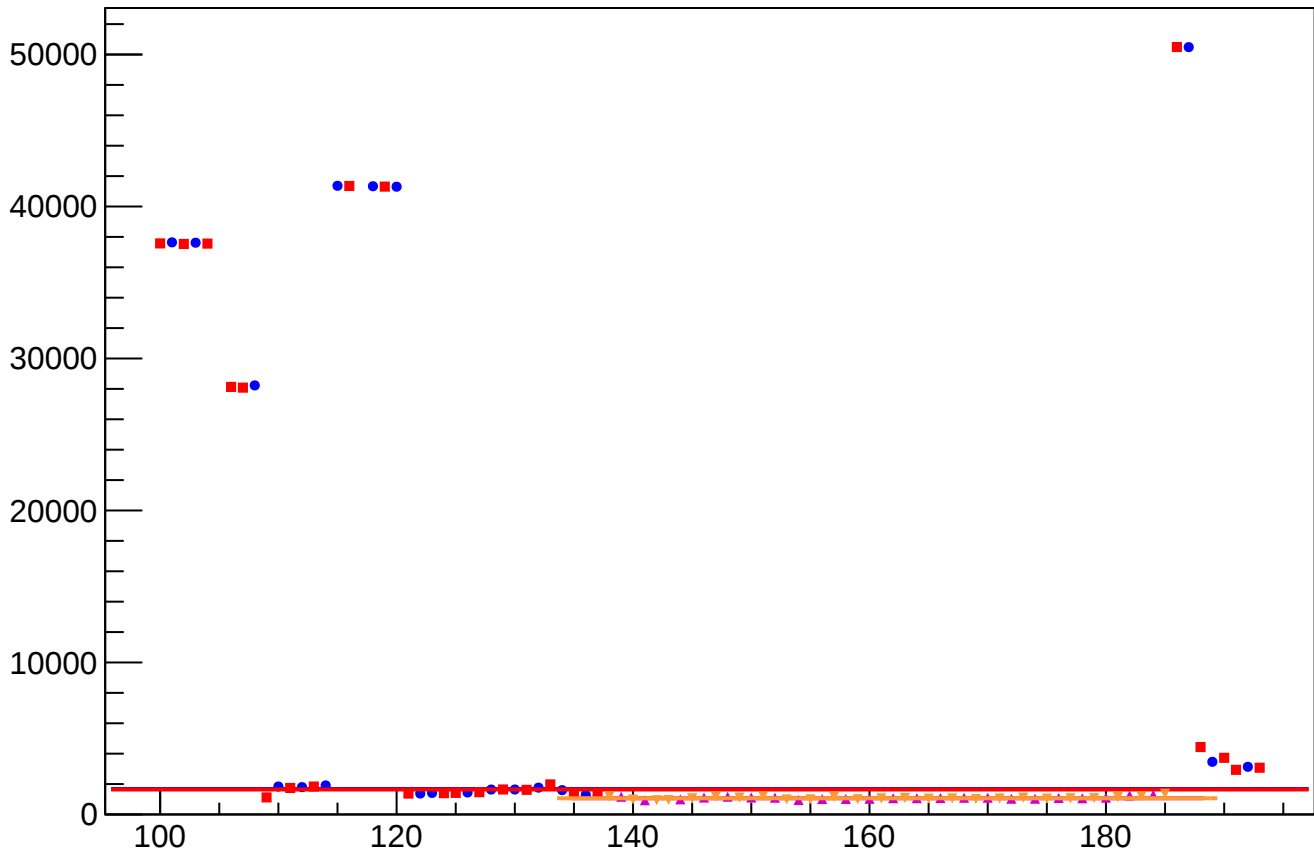
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.226 ± 0.236 χ^2/NDF : 55.2/44

All: 0.061 ± 0.168 χ^2/NDF : 120.8/91

- sign 0.361 ± 0.241 χ^2/NDF : 62.6/46

diff_bpm1p02bX_rms vs Slug



Right In: 1672.673 $\pm$ 0.513 χ^2 /NDF: 5694833.0/19

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

Right Out: 1644.531 $\pm$ 0.485 χ^2 /NDF: 6798994.1/23

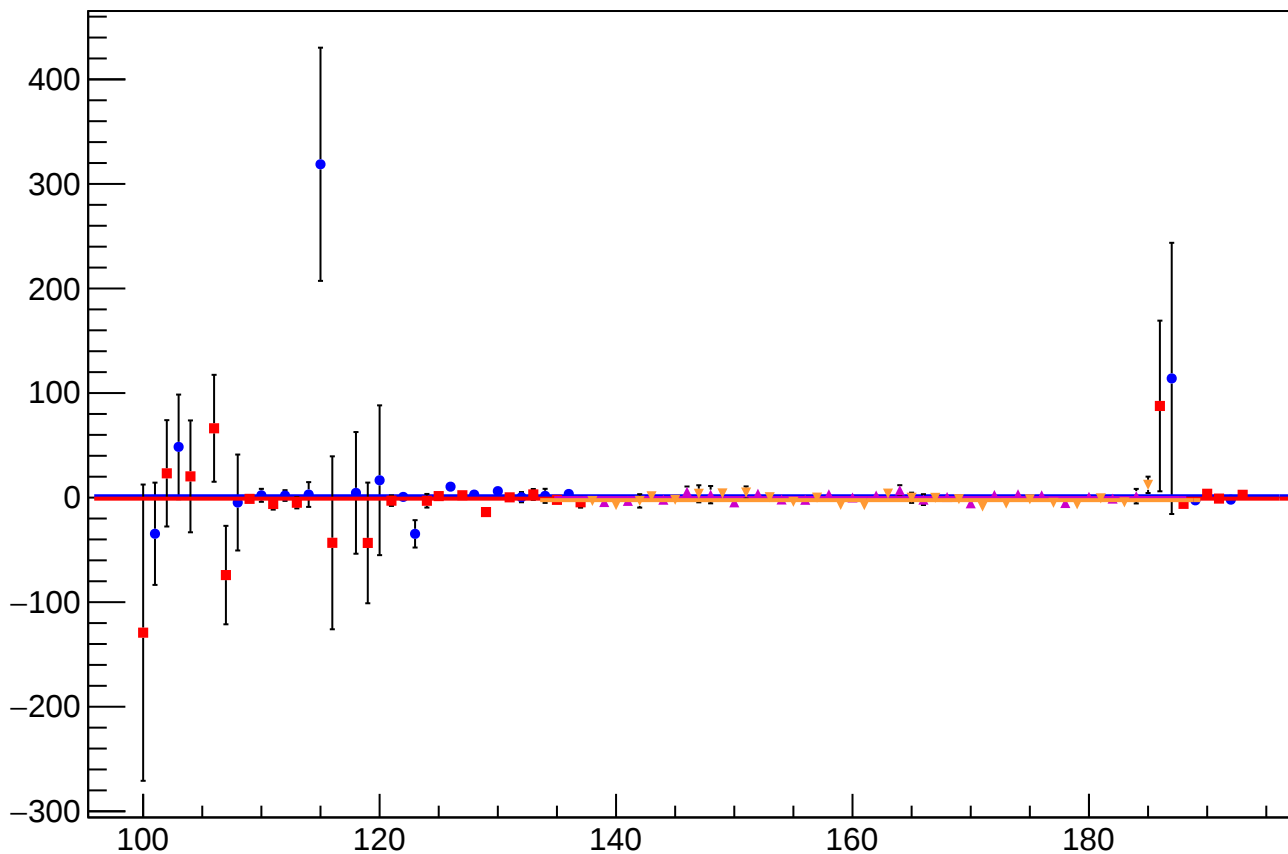
Left In: 1066.255 $\pm$ 0.182 χ^2 /NDF: 164232.1/22

+ sign 1128.833 $\pm$ 0.167 χ^2 /NDF: 7138633.2/44

All: 1133.076 $\pm$ 0.119 χ^2 /NDF: 15351124.4/9

- sign 1137.503 $\pm$ 0.170 χ^2 /NDF: 8211165.2/46

diff_bpm1p02bY_mean vs Slug



Right In: 1.305 ± 1.064 χ^2/NDF : 28.9/19

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

Right Out: -0.996 ± 0.966 χ^2/NDF : 24.8/23

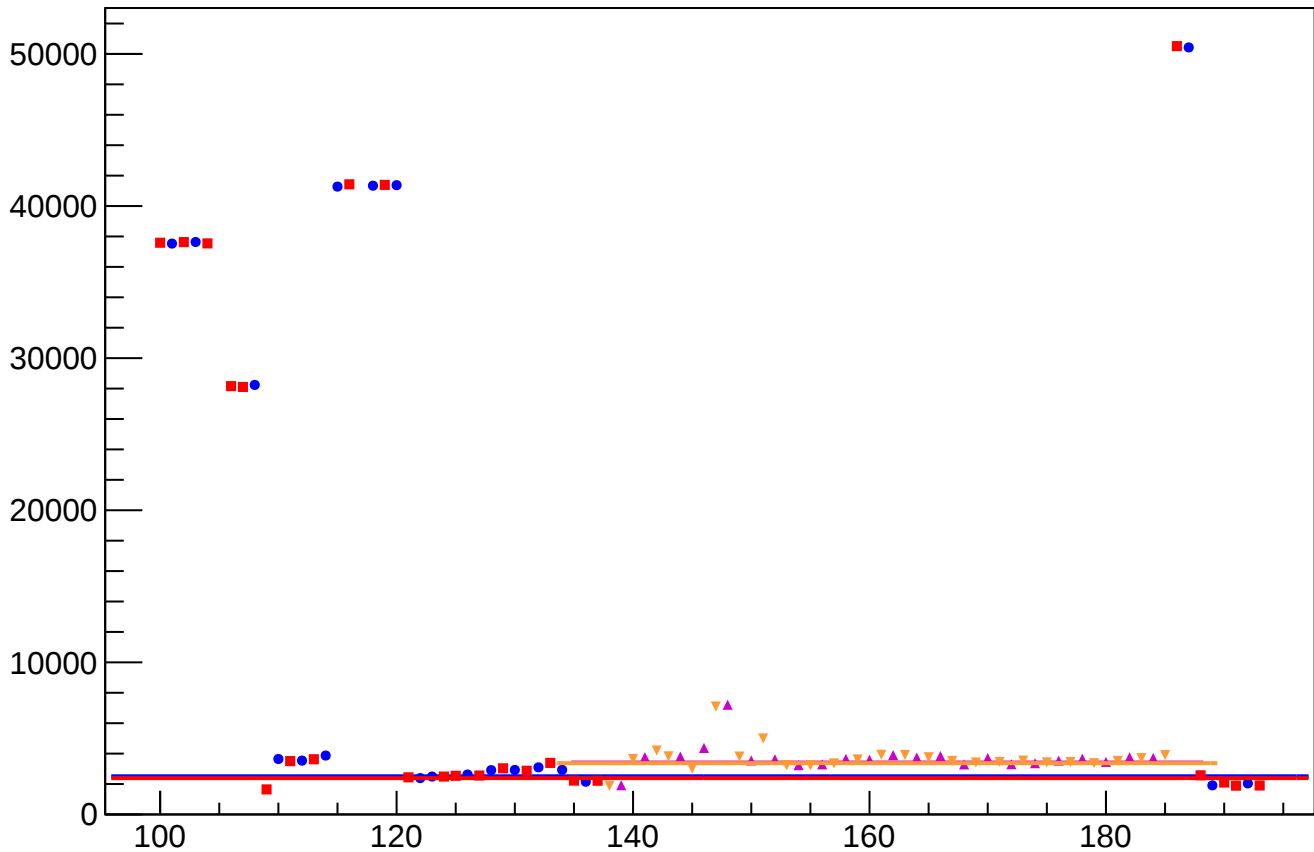
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -1.053 ± 0.645 χ^2/NDF : 58.0/44

All: -0.872 ± 0.452 χ^2/NDF : 98.5/91

- sign -0.696 ± 0.635 χ^2/NDF : 40.4/46

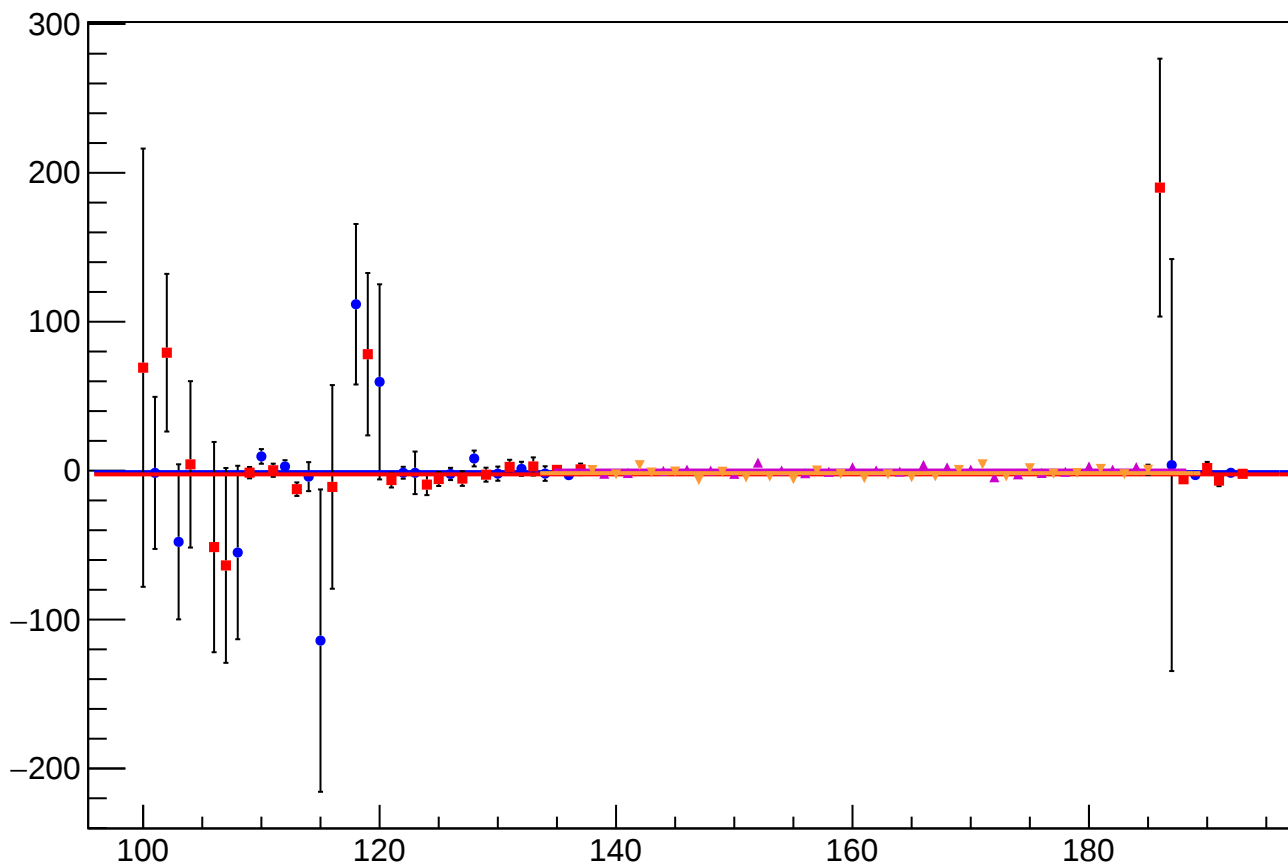
diff_bpm1p02bY_rms vs Slug



Right In: 2508.174 $\pm$ 0.752 χ^2 /NDF: 5102524.2/19
 Left Out: 3372.958 $\pm$ 0.573 χ^2 /NDF:1656864.7/24
 Right Out: 2389.204 $\pm$ 0.683 χ^2 /NDF: 5745197.1/23
 Left In: 3411.924 $\pm$ 0.596 χ^2 /NDF:1434523.7/22

+ sign 3055.328 $\pm$ 0.456 χ^2 /NDF: 7595584.0/44
 All: 3011.989 $\pm$ 0.320 χ^2 /NDF: 16065728.7/9
 - sign 2969.931 $\pm$ 0.449 χ^2 /NDF: 8452337.6/46

diff_bpm1p03aX_mean vs Slug



Right In: -0.980 ± 0.990 χ^2/NDF : 18.6/19

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

Right Out: -2.495 ± 0.955 χ^2/NDF : 26.0/23

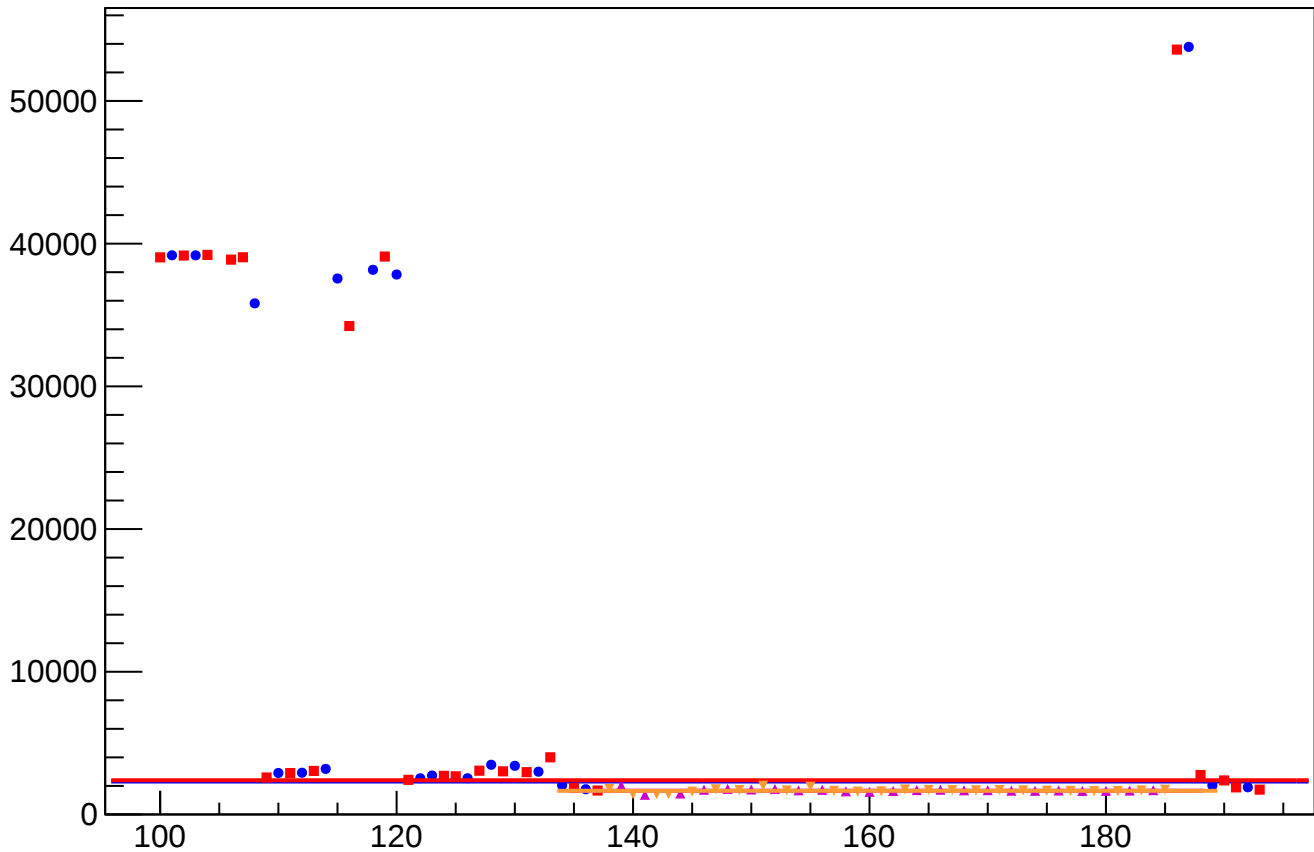
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.580 ± 0.361 χ^2/NDF : 64.6/44

All: -0.961 ± 0.258 χ^2/NDF : 131.0/91

- sign -0.313 ± 0.370 χ^2/NDF : 60.4/46

diff_bpm1p03aX_rms vs Slug



Right In: 2307.676+/-0.700 χ^2/NDF : 5310397.9/19

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

Right Out: 2396.181+/-0.675 χ^2/NDF : 5897873.5/23

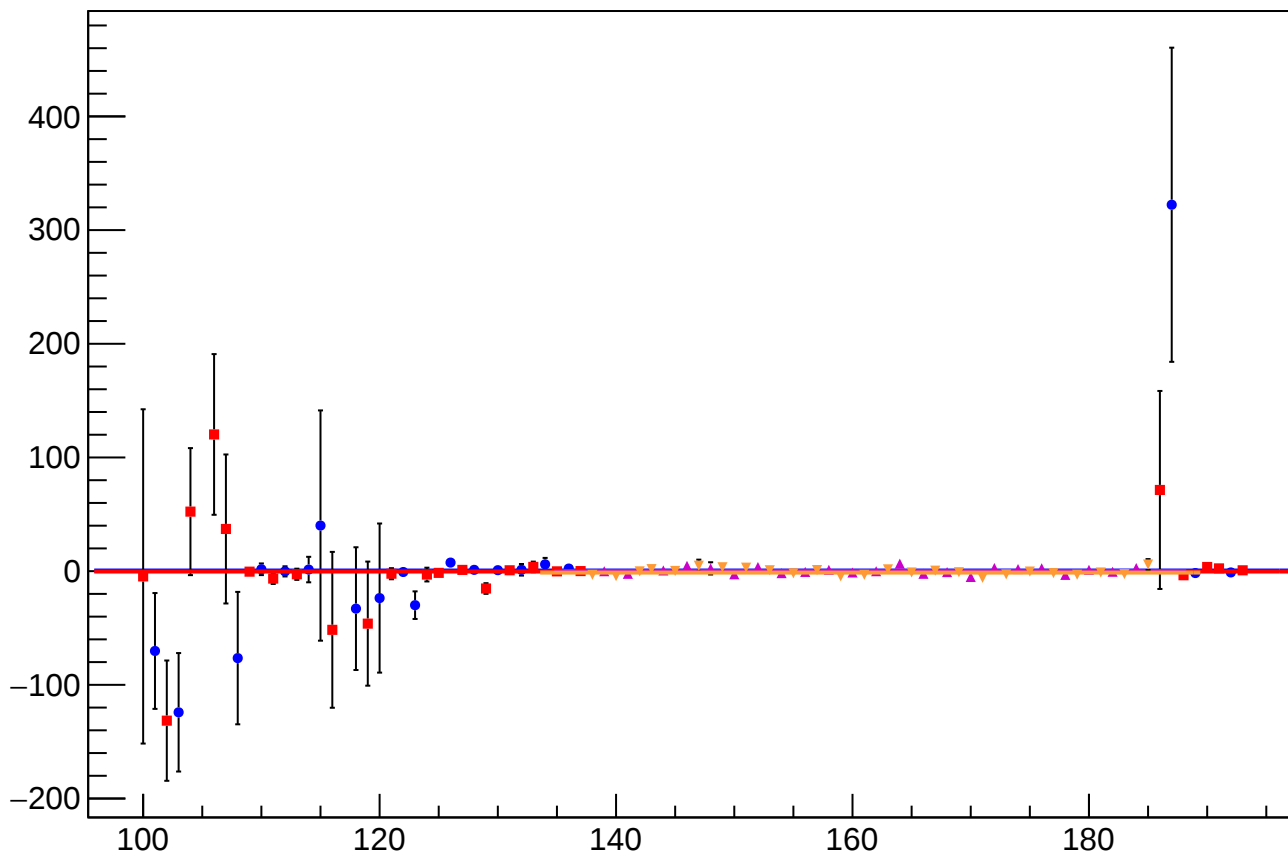
Left In: 1663.620+/-0.284 χ^2/NDF : 178858.2/22

+ sign 1744.372+/-0.255 χ^2/NDF : 6281302.2/44

All: 1758.612+/-0.183 χ^2/NDF : 13365532.0/9

- sign 1773.525+/-0.261 χ^2/NDF : 7077869.2/46

diff_bpm1p03aY_mean vs Slug



Right In: 0.545 ± 0.900 χ^2/NDF : 28.8/19

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

Right Out: -0.331 ± 0.805 χ^2/NDF : 30.6/23

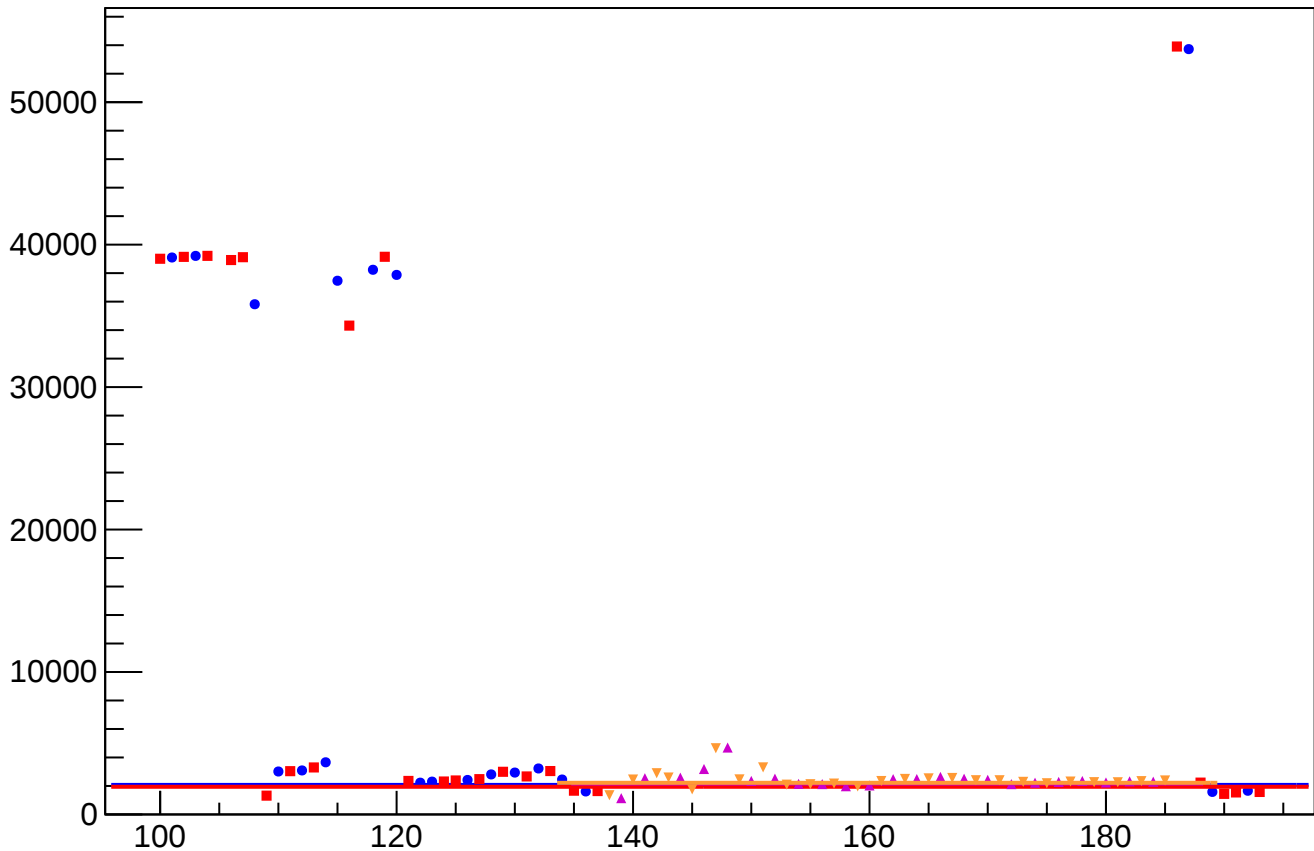
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.782 ± 0.460 χ^2/NDF : 53.4/44

All: -0.400 ± 0.321 χ^2/NDF : 104.9/91

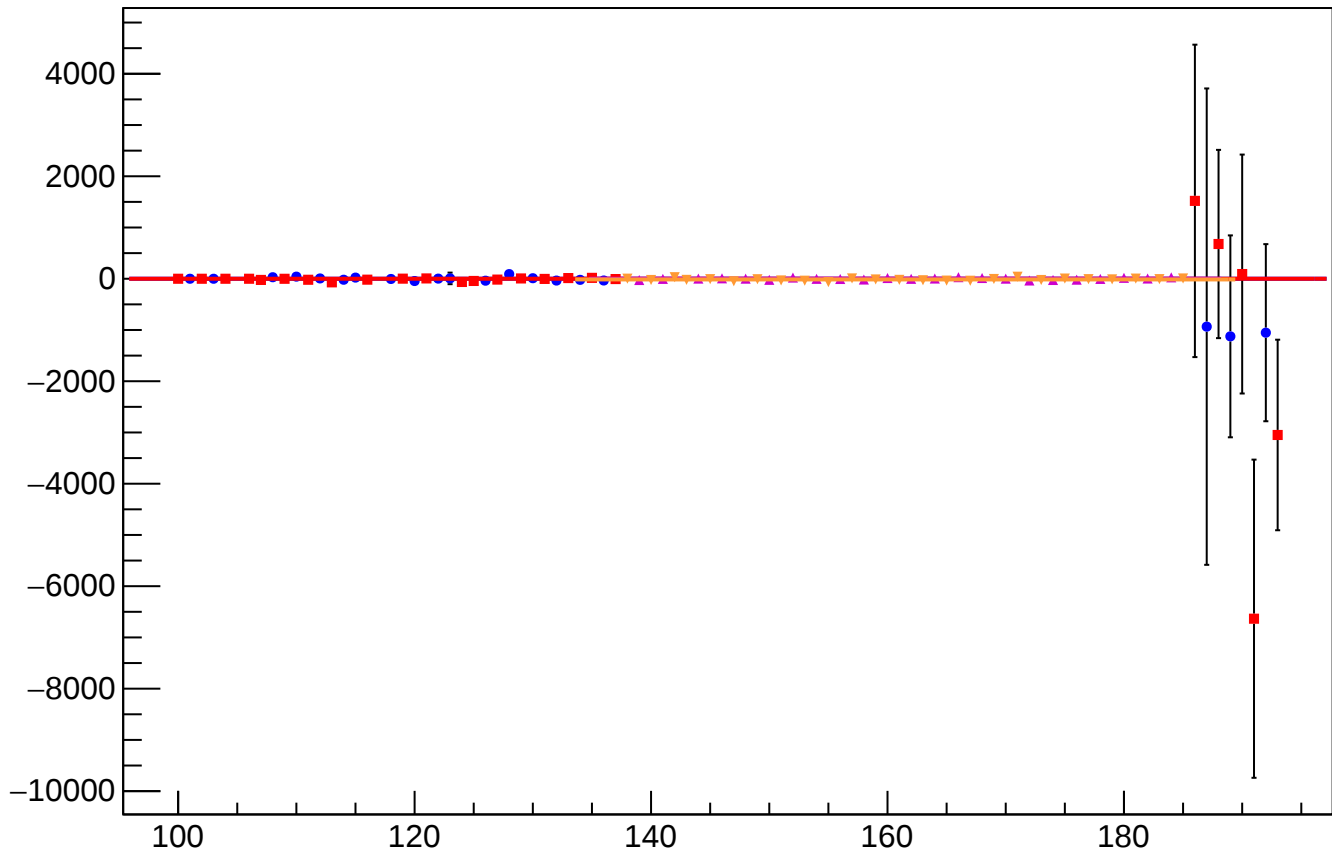
- sign -0.036 ± 0.449 χ^2/NDF : 50.1/46

diff_bpm1p03aY_rms vs Slug



Right In: 2074.221+/-0.636	χ^2/NDF : 5575145.2/19	+ sign 2183.478+/-0.325	χ^2/NDF : 7037463.3/44
Left Out: 2222.081+/-0.378	χ^2/NDF : 1422440.9/24	All: 2140.271+/-0.227	χ^2/NDF : 15462343.4/9
Right Out: 1943.574+/-0.569	χ^2/NDF : 6307016.3/23	- sign 2099.079+/-0.318	χ^2/NDF : 8390401.4/46
Left In: 2169.443+/-0.383	χ^2/NDF : 1974869.8/22		

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 17.3/19

Left Out: -13.484 $\pm$ 2.800 χ^2 /NDF: 58.7/24

Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 23.2/23

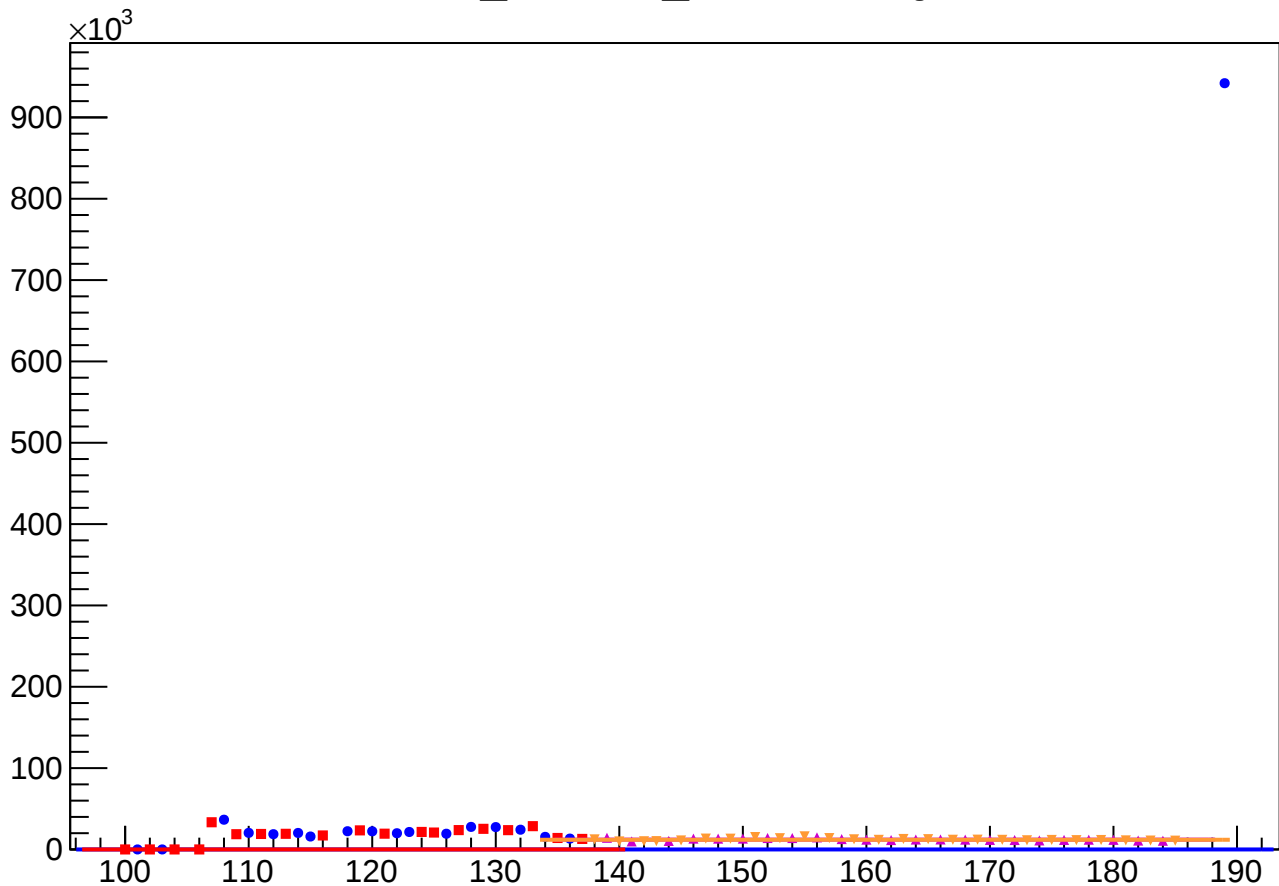
Left In: -0.459 $\pm$ 2.917 χ^2 /NDF: 29.0/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 99.2/44

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 151.5/91

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 52.1/46

diff_cav4bX_rms vs Slug



Right In: 18.641 $\pm$ 0.012 χ^2/NDF : 11125273.3/17

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

Right Out: 18.311 $\pm$ 0.011 χ^2/NDF : 11063399.8/18

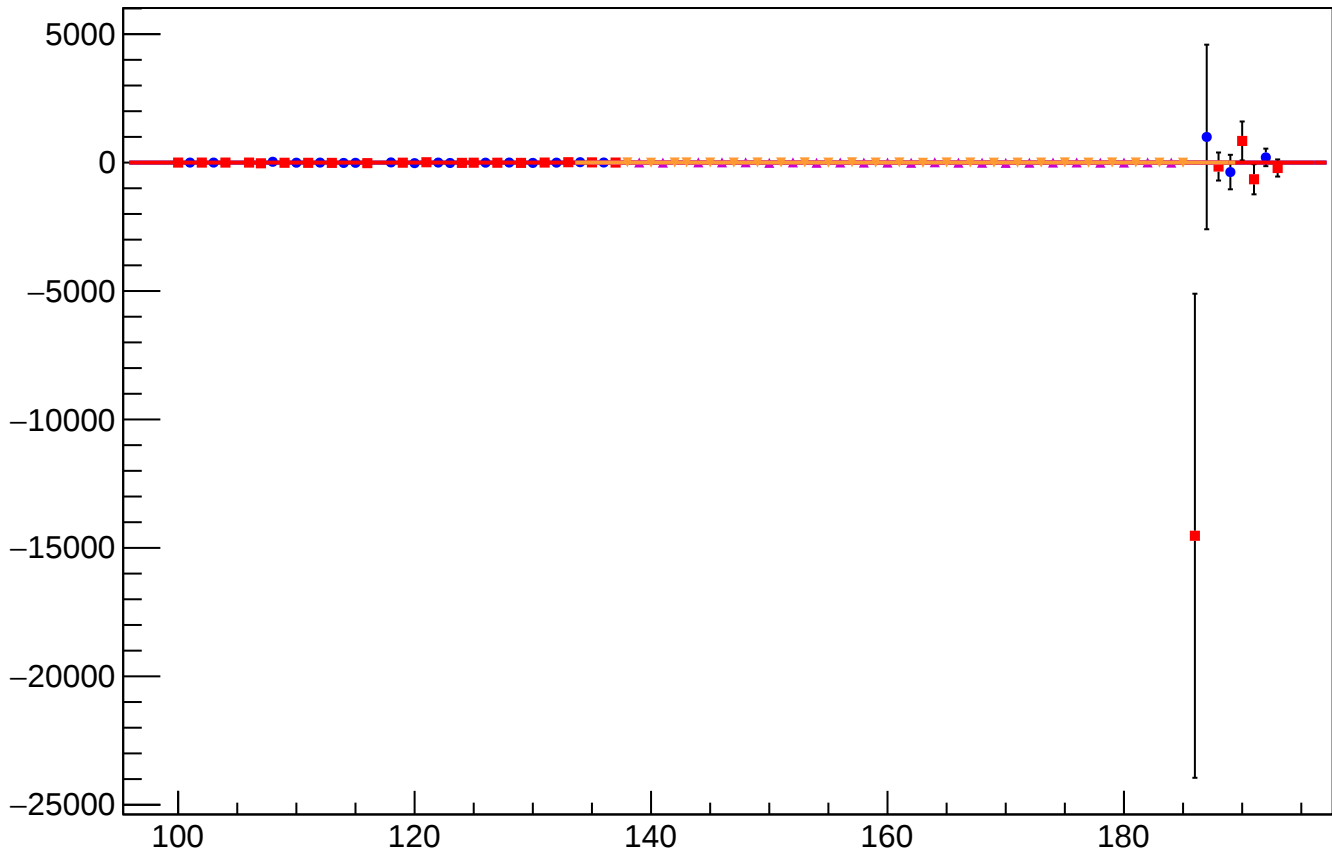
Left In: 12064.761 $\pm$ 2.062 χ^2/NDF : 368452.5/22

+ sign 19.097 $\pm$ 0.012 χ^2/NDF : 47664922.8/42

All: 18.871 $\pm$ 0.008 χ^2/NDF : 93213311.5/84

- sign 18.677 $\pm$ 0.011 χ^2/NDF : 45547757.3/41

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 13.6/19

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.1/23

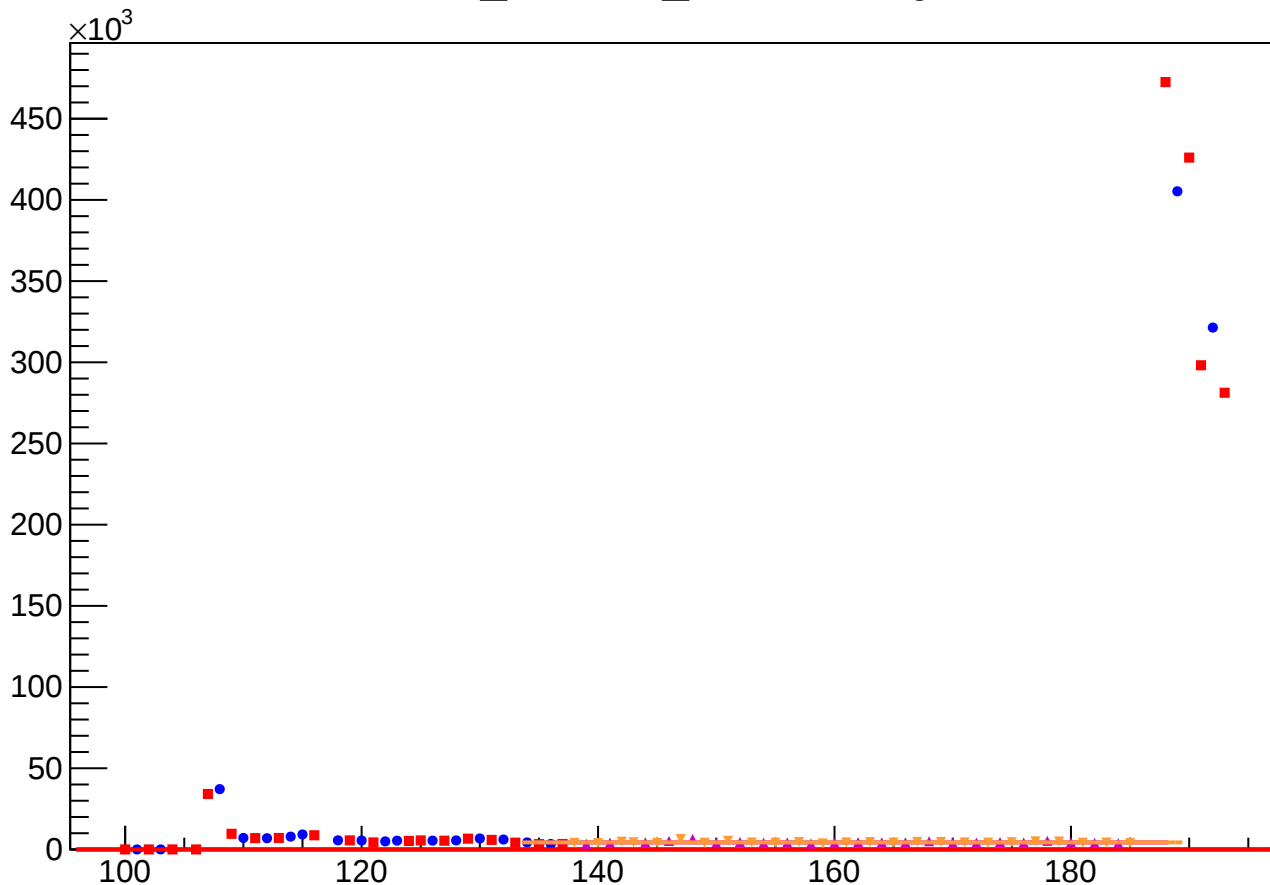
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 34.6/44

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 96.2/91

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 60.5/46

diff_cav4bY_rms vs Slug



Right In: 9.939 ± 0.007 χ^2/NDF : 13550966.6/18

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

Right Out: 9.854 ± 0.006 χ^2/NDF : 15157870.0/22

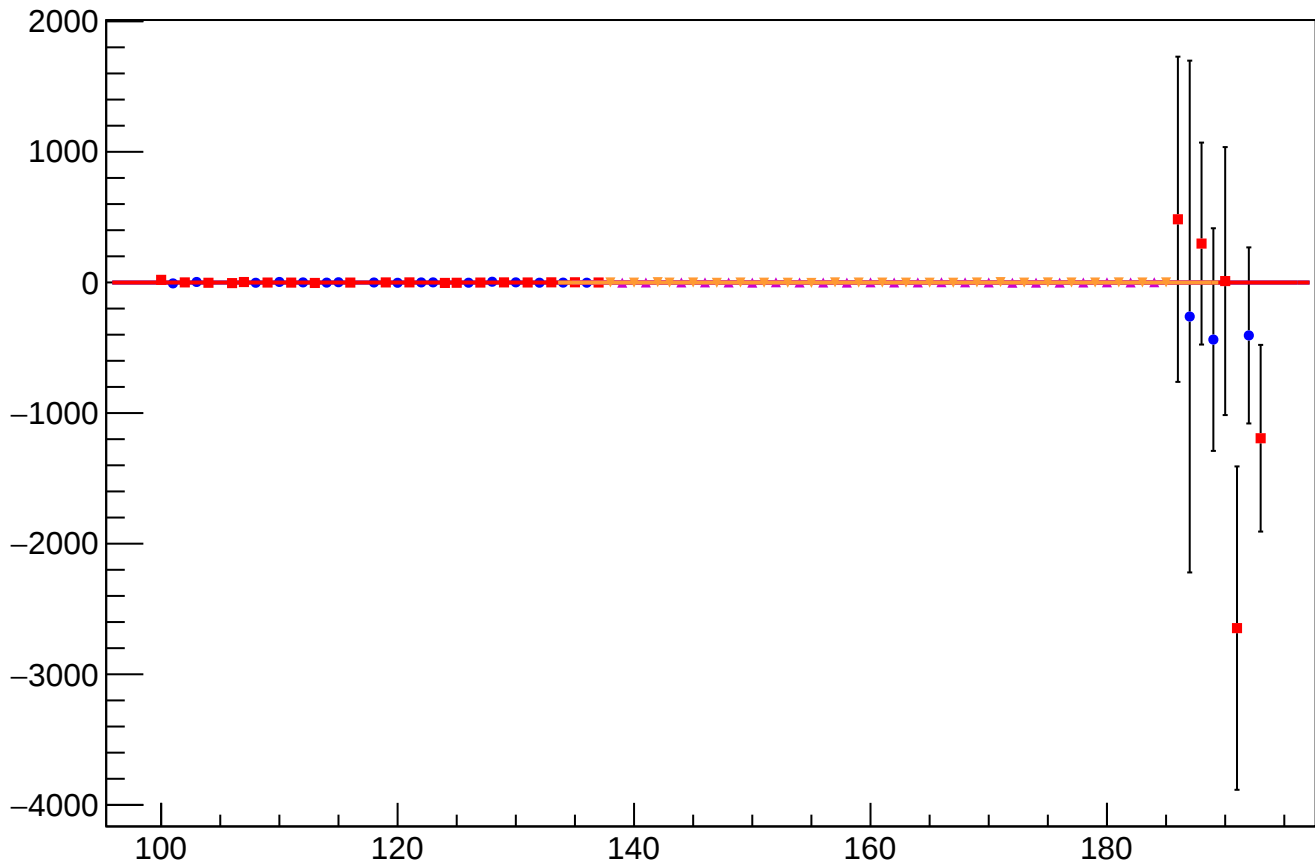
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

+ sign 10.291 ± 0.007 χ^2/NDF : 49978390.9/43

All: 10.215 ± 0.004 χ^2/NDF : 99469889.3/89

- sign 10.148 ± 0.006 χ^2/NDF : 49491242.9/45

diff_cav4cX_mean vs Slug



Right In: -0.714 ± 0.483 χ^2/NDF : 23.3/19

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

Right Out: -0.639 ± 0.501 χ^2/NDF : 20.7/23

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

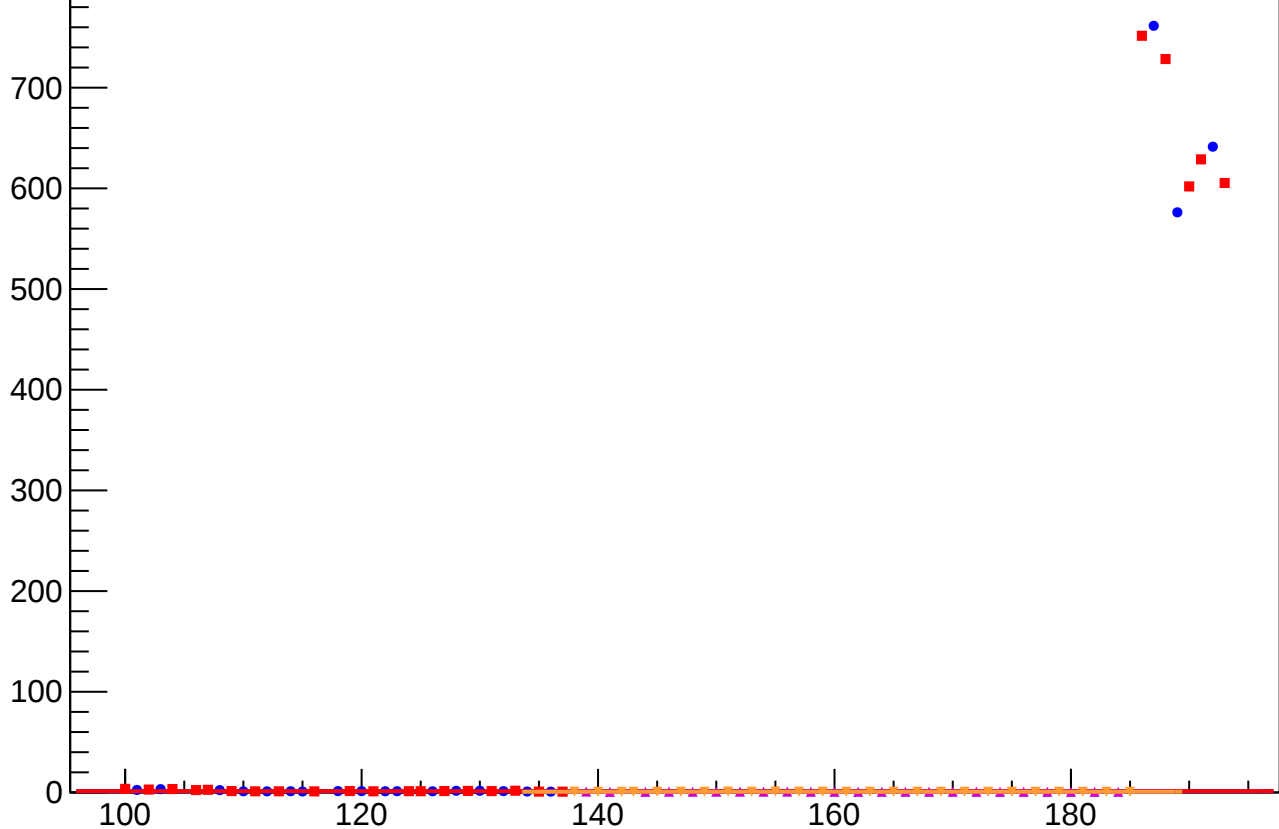
+ sign -0.769 ± 0.156 χ^2/NDF : 81.9/44

All: -0.438 ± 0.112 χ^2/NDF : 142.7/91

- sign -0.083 ± 0.162 χ^2/NDF : 51.5/46

diff_cav4cX_rms vs Slug

$\times 10^3$



Right In: 1167.681 $\pm$ 0.342 χ^2 /NDF: 4596391.8/19

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

Right Out: 1248.881 $\pm$ 0.355 χ^2 /NDF: 6745055.7/23

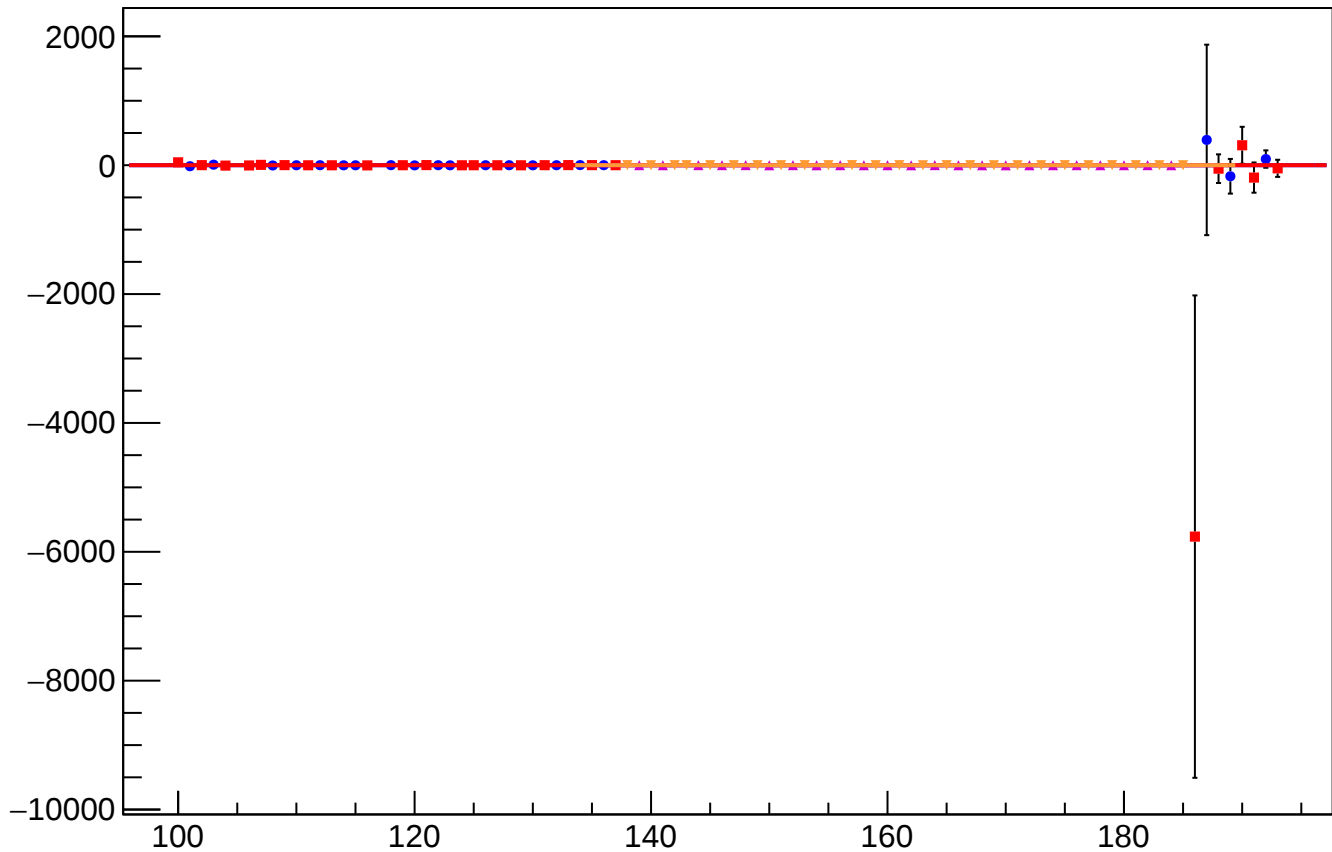
Left In: 706.971 $\pm$ 0.121 χ^2 /NDF: 332011.4/22

+ sign 749.510 $\pm$ 0.110 χ^2 /NDF: 6661508.5/44

All: 756.144 $\pm$ 0.079 χ^2 /NDF: 15838902.4/9

- sign 763.287 $\pm$ 0.114 χ^2 /NDF: 9169861.6/46

diff_cav4cY_mean vs Slug



Right In: -0.060 ± 0.269 χ^2/NDF : 20.1/19

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

Right Out: 0.280 ± 0.264 χ^2/NDF : 24.9/23

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

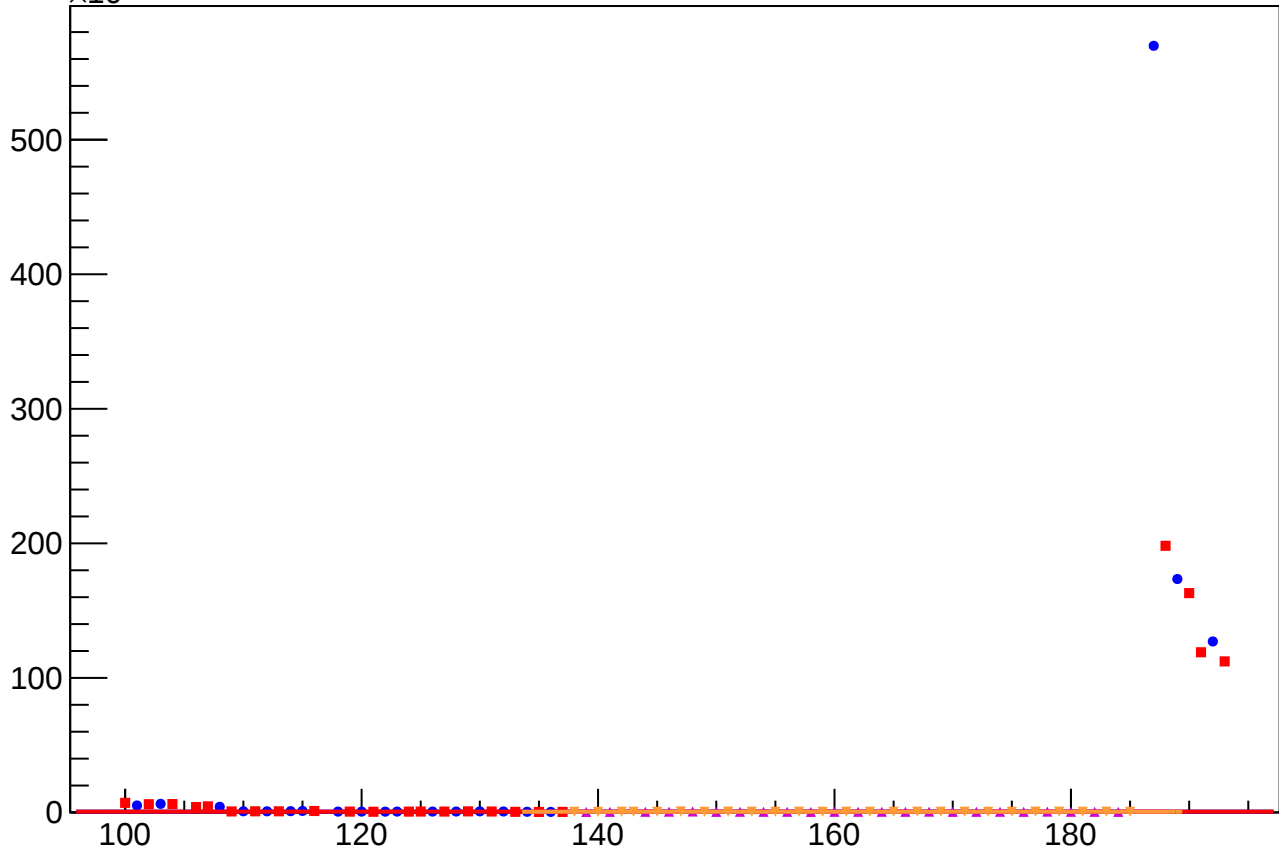
+ sign 0.183 ± 0.112 χ^2/NDF : 39.1/44

All: 0.169 ± 0.080 χ^2/NDF : 99.3/91

- sign 0.154 ± 0.114 χ^2/NDF : 60.2/46

diff_cav4cY_rms vs Slug

$\times 10^3$



Right In: 610.079 $\pm$ 0.190 χ^2 /NDF: 6012099.3/19

Left Out: 522.220 $\pm$ 0.087 χ^2 /NDF:330405.3/24

Right Out: 599.829 $\pm$ 0.187 χ^2 /NDF: 7693449.3/22

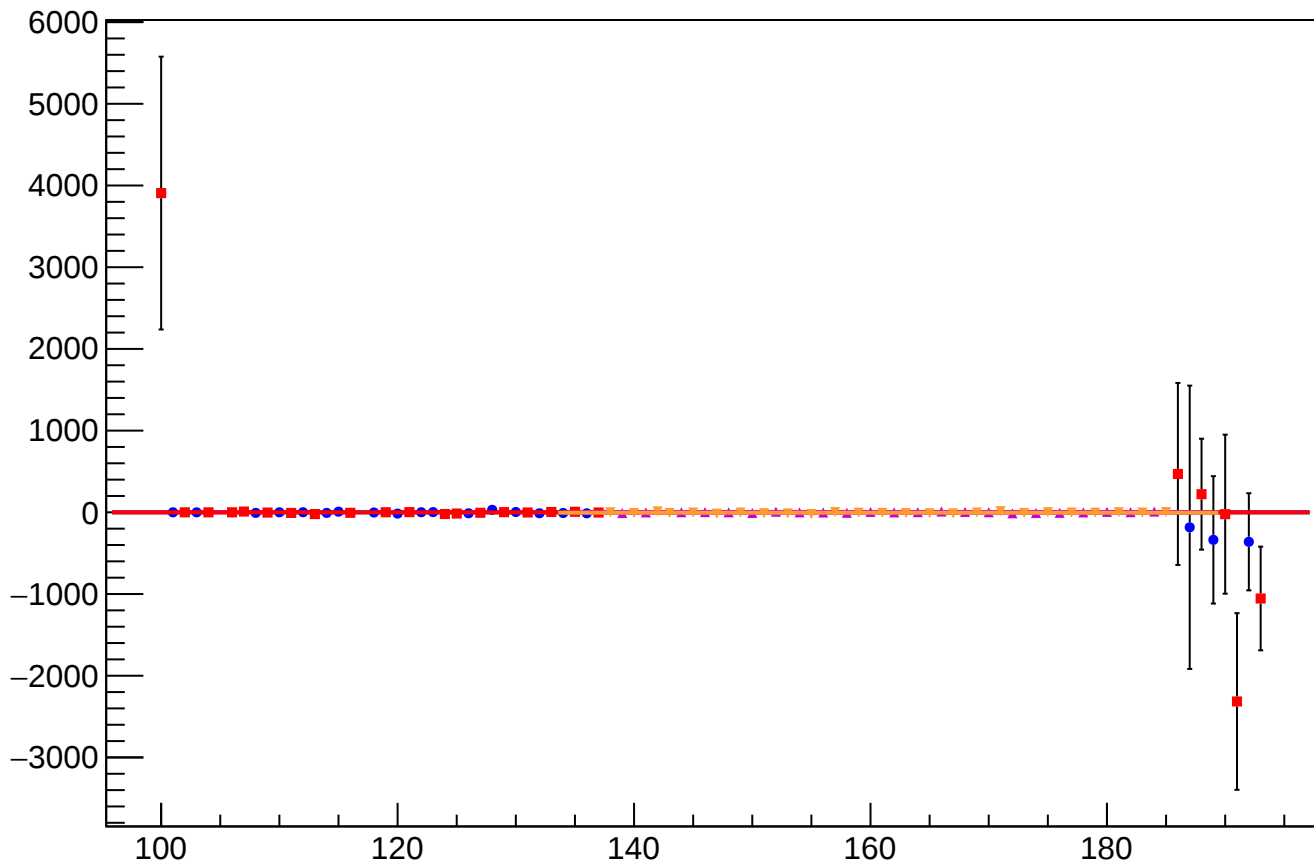
Left In: 520.700 $\pm$ 0.089 χ^2 /NDF:427720.5/22

+ sign 537.332 $\pm$ 0.079 χ^2 /NDF: 6519162.4/44

All: 536.371 $\pm$ 0.056 χ^2 /NDF: 14786540.0/90

- sign 535.370 $\pm$ 0.081 χ^2 /NDF: 8267074.7/45

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 16.5/19

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

Right Out: -0.027 ± 0.020 χ^2/NDF : 25.1/23

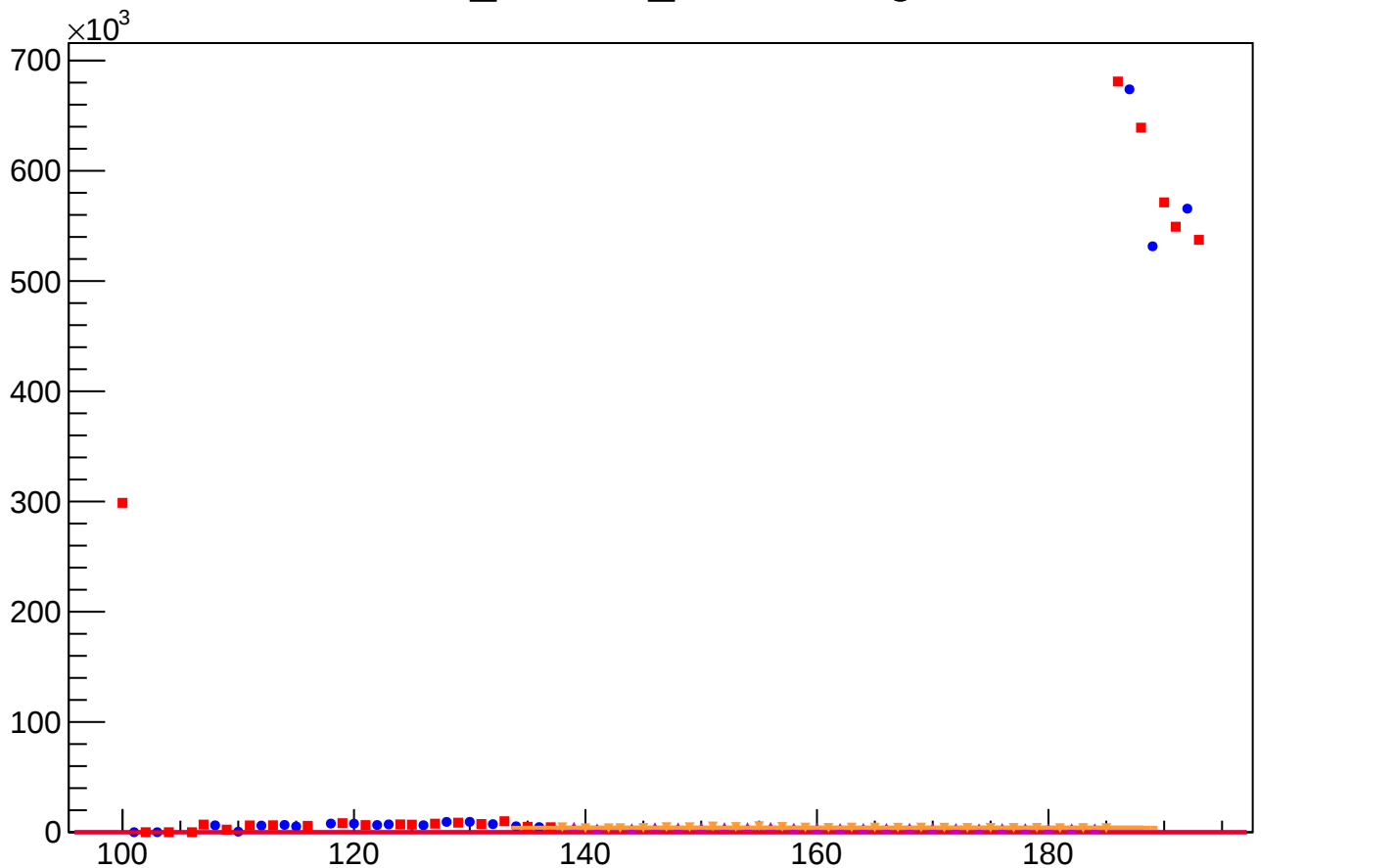
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 96.6/44

All: -0.025 ± 0.014 χ^2/NDF : 151.2/91

- sign -0.027 ± 0.020 χ^2/NDF : 54.6/46

diff_cav4dX_rms vs Slug



Right In: 17.340 ± 0.015 χ^2/NDF : 13500196.5/19

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

Right Out: 17.269 ± 0.014 χ^2/NDF : 15926208.5/23

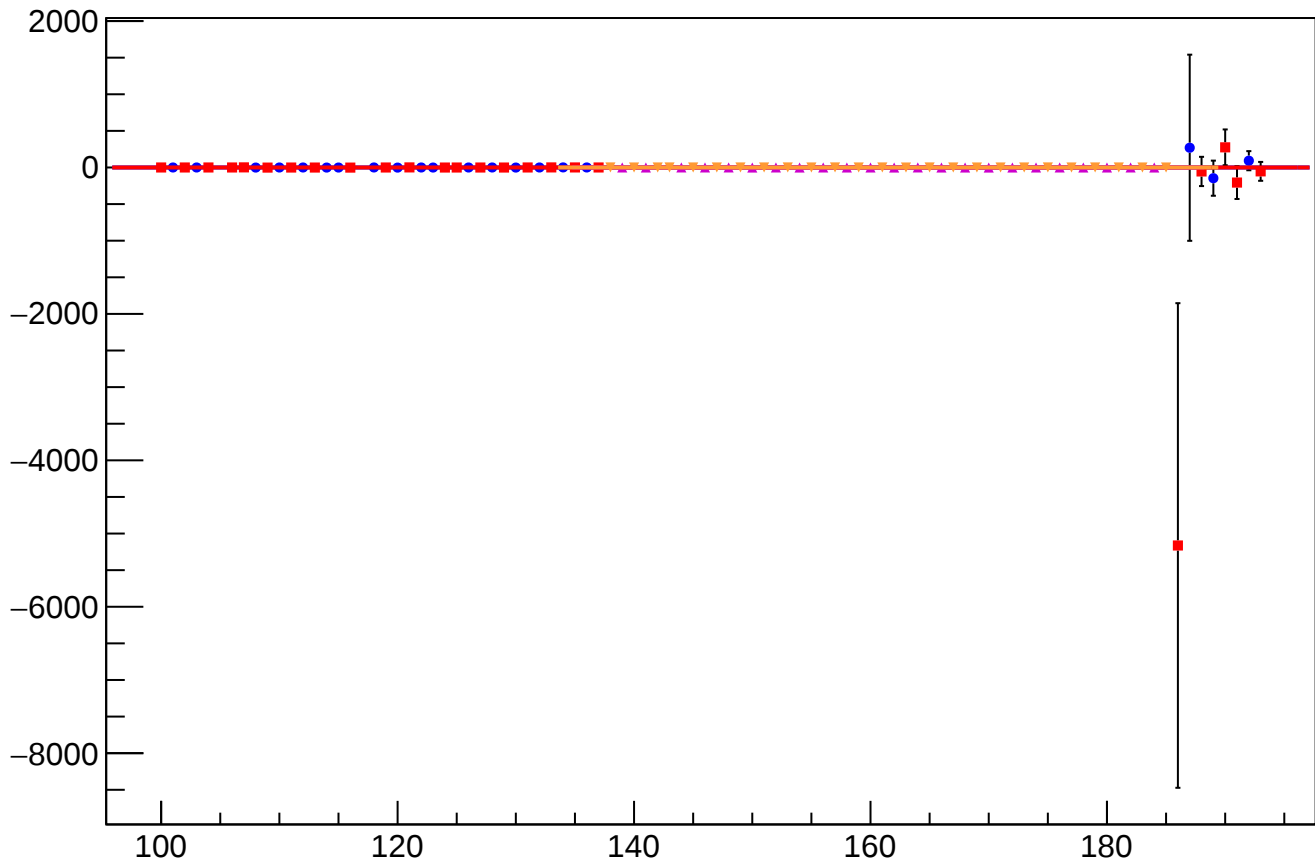
Left In: 4113.993 ± 0.703 χ^2/NDF : 349160.6/22

+ sign 19.255 ± 0.015 χ^2/NDF : 49850344.6/44

All: 19.063 ± 0.010 χ^2/NDF : 100081992.5/91

- sign 18.890 ± 0.014 χ^2/NDF : 50231324.5/46

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 14.5/19

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

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.0/23

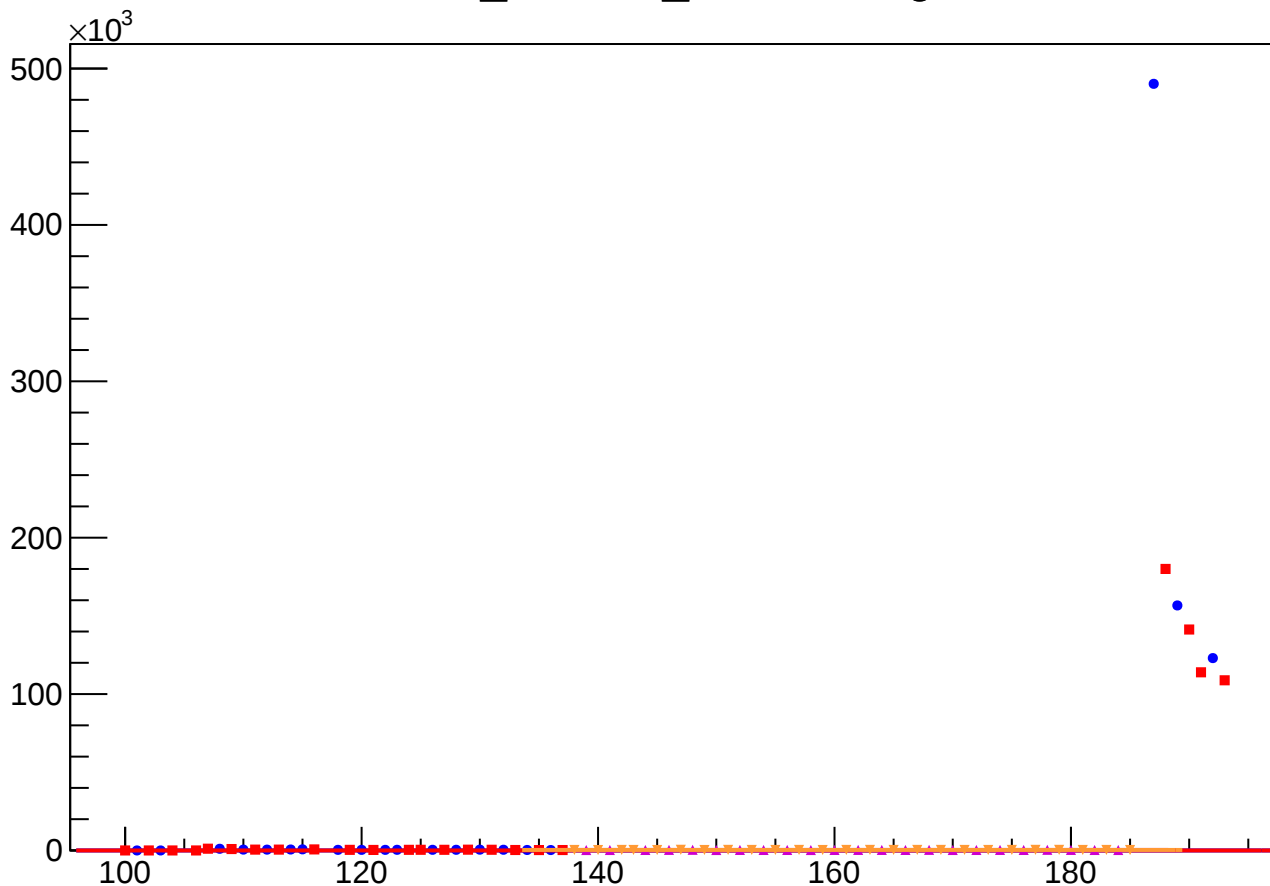
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF:34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 35.6/44

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 94.2/91

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 58.6/46

diff_cav4dY_rms vs Slug



Right In: 1.699 $\pm$ 0.001 χ^2/NDF : 13931483.0/19

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

Right Out: 1.728 $\pm$ 0.001 χ^2/NDF : 14931294.5/22

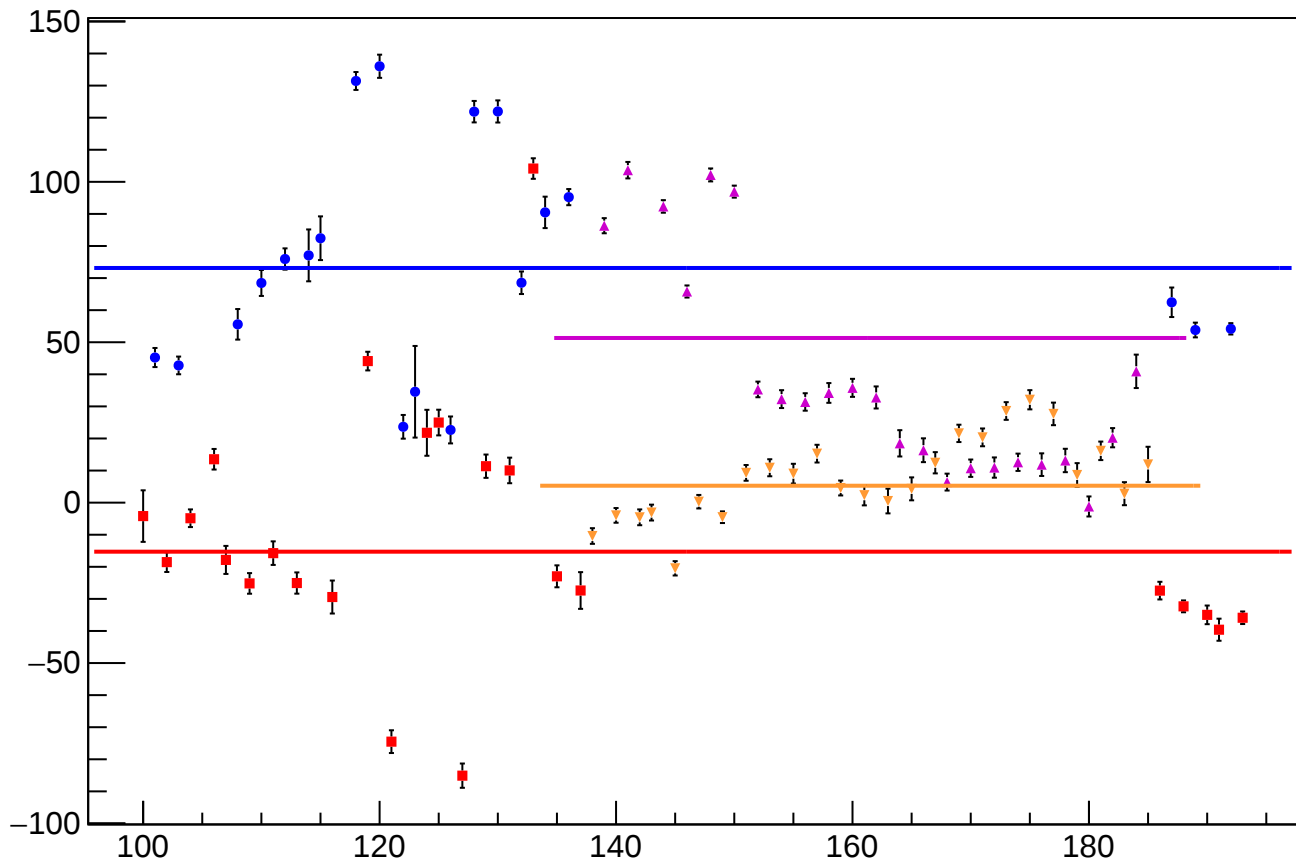
Left In: 325.626 $\pm$ 0.056 χ^2/NDF : 413350.0/22

+ sign 1.926 $\pm$ 0.001 χ^2/NDF : 50143382.4/44

All: 1.925 $\pm$ 0.001 χ^2/NDF : 99212598.3/90

- sign 1.924 $\pm$ 0.001 χ^2/NDF : 49069214.6/45

diff_bpm0i01X_mean vs Slug



Right In: 73.149 $\pm$ 0.740 χ^2 /NDF: 1991.2/19

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

Right Out: -15.285 $\pm$ 0.660 χ^2 /NDF: 3094.9/23

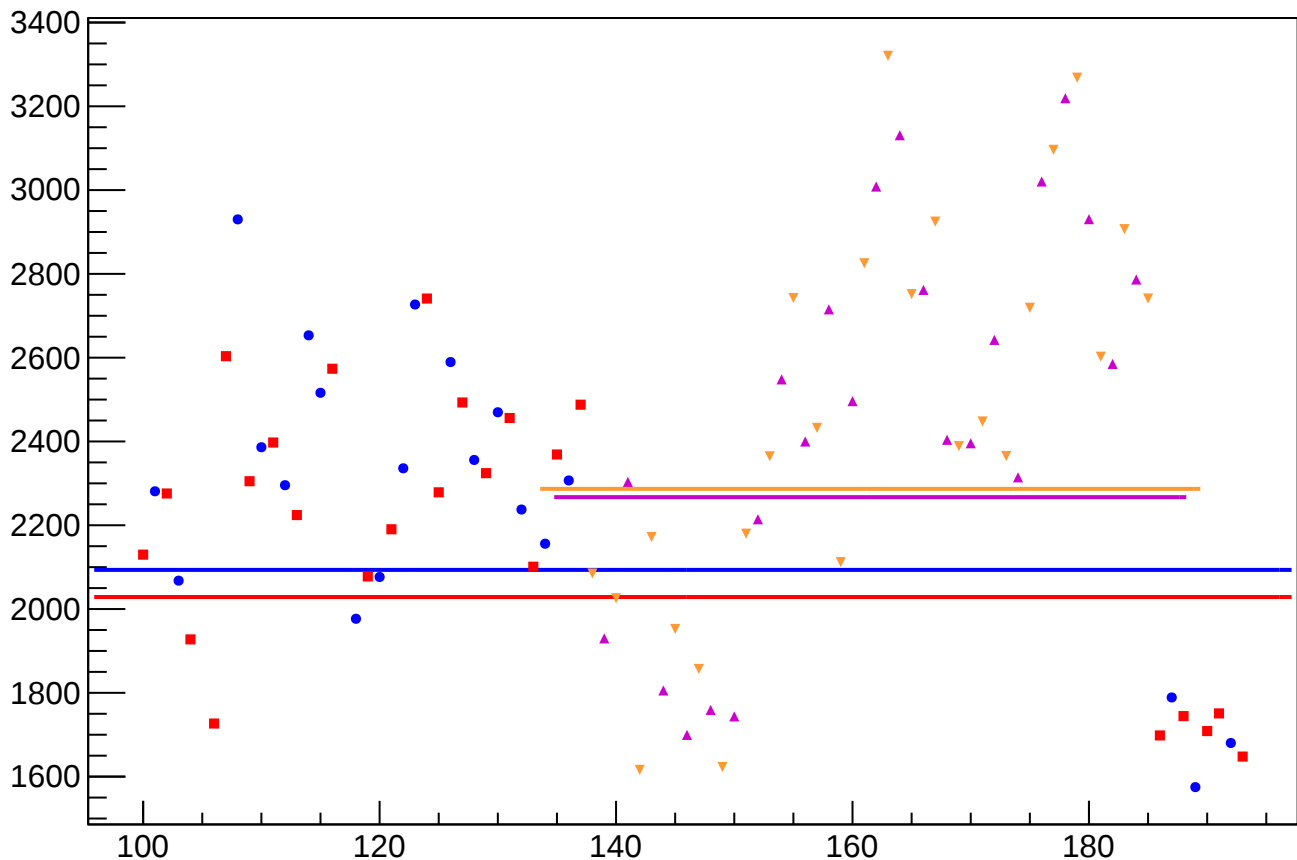
Left In: 51.328 $\pm$ 0.558 χ^2 /NDF: 4257.8/22

+ sign 29.095 $\pm$ 0.438 χ^2 /NDF: 8006.8/44

All: 26.250 $\pm$ 0.306 χ^2 /NDF: 21374.8/91

- sign 23.559 $\pm$ 0.426 χ^2 /NDF: 13286.1/46

diff_bpm0i01X_rms vs Slug



Right In: 2093.484+/-0.523 χ^2/NDF : 422521.3/19

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

Right Out: 2028.677+/-0.467 χ^2/NDF : 454177.8/23

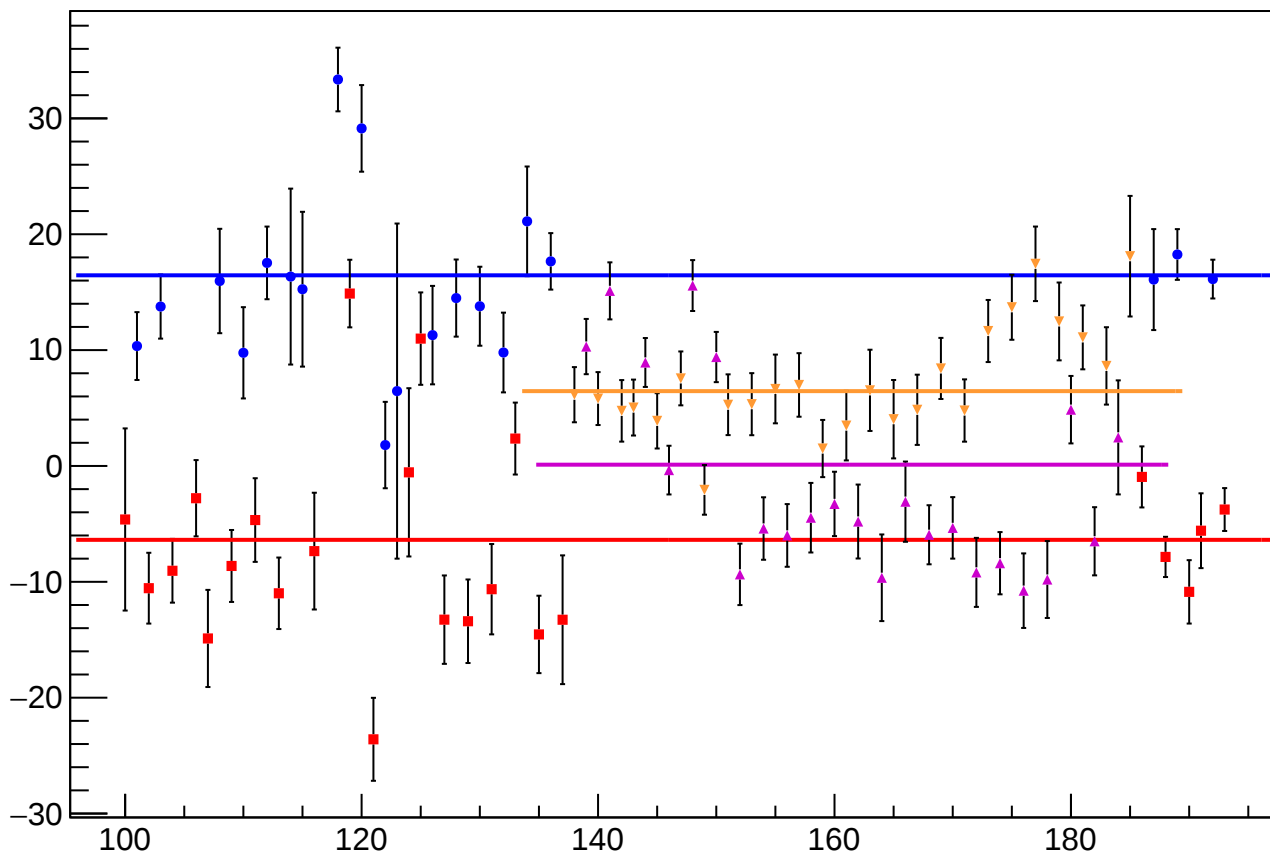
Left In: 2267.097+/-0.395 χ^2/NDF : 1313364.4/22

+ sign 2219.005+/-0.310 χ^2/NDF : 1871652.6/44

All: 2192.642+/-0.216 χ^2/NDF : 3805286.4/91

- sign 2167.707+/-0.301 χ^2/NDF : 1919561.5/46

diff_bpm0i01Y_mean vs Slug



Right In: 16.455 ± 0.720 $\chi^2/\text{NDF}: 81.7/19$

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

Right Out: -6.376 ± 0.640 $\chi^2/\text{NDF}: 140.5/23$

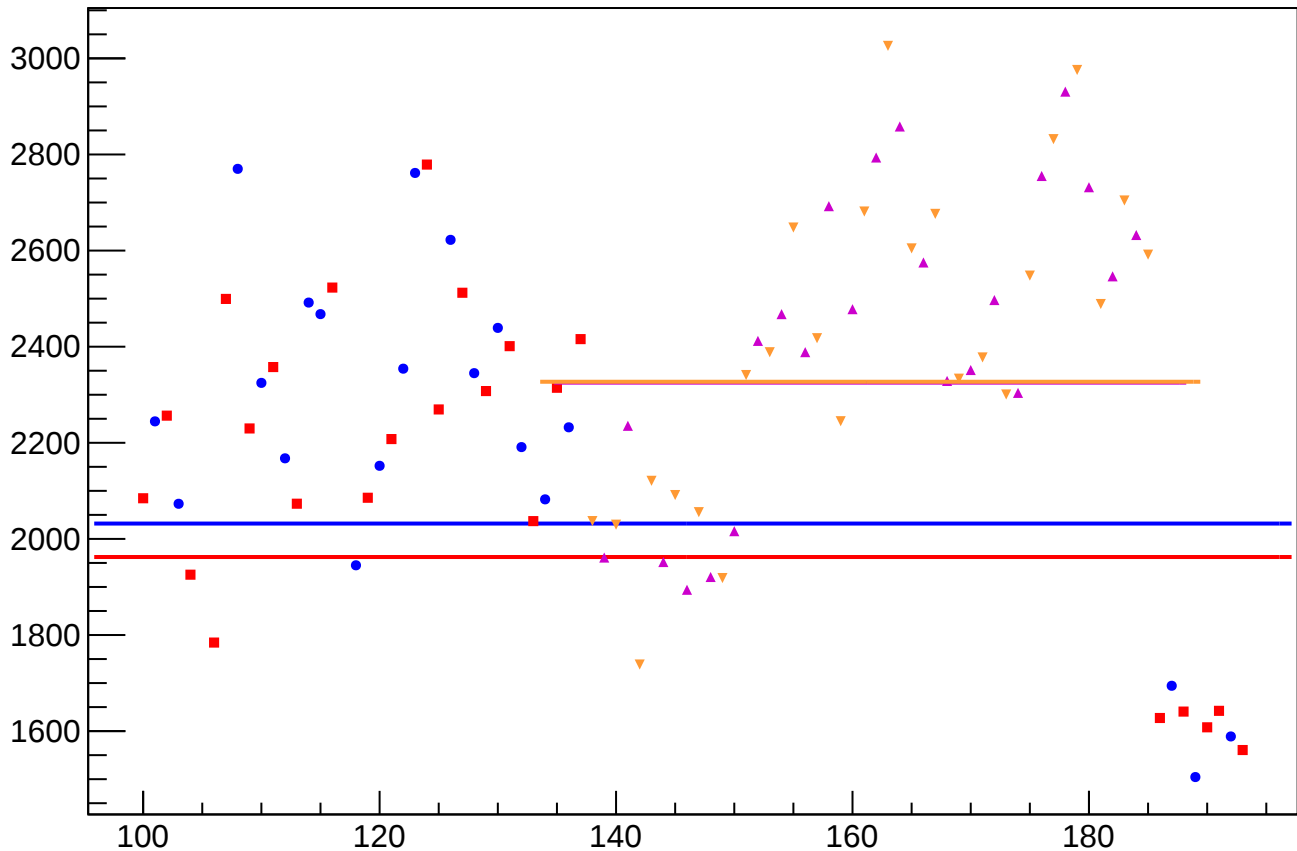
Left In: 0.110 ± 0.565 $\chi^2/\text{NDF}: 234.6/22$

+ sign 10.124 ± 0.436 $\chi^2/\text{NDF}: 262.7/44$

All: 3.515 ± 0.304 $\chi^2/\text{NDF}: 1142.8/91$

- sign -2.731 ± 0.424 $\chi^2/\text{NDF}: 432.7/46$

diff_bpm0i01Y_rms vs Slug



Right In: 2031.951 $\pm$ 0.509 χ^2 /NDF: 490676.8/19

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

Right Out: 1962.327 $\pm$ 0.453 χ^2 /NDF: 544678.2/23

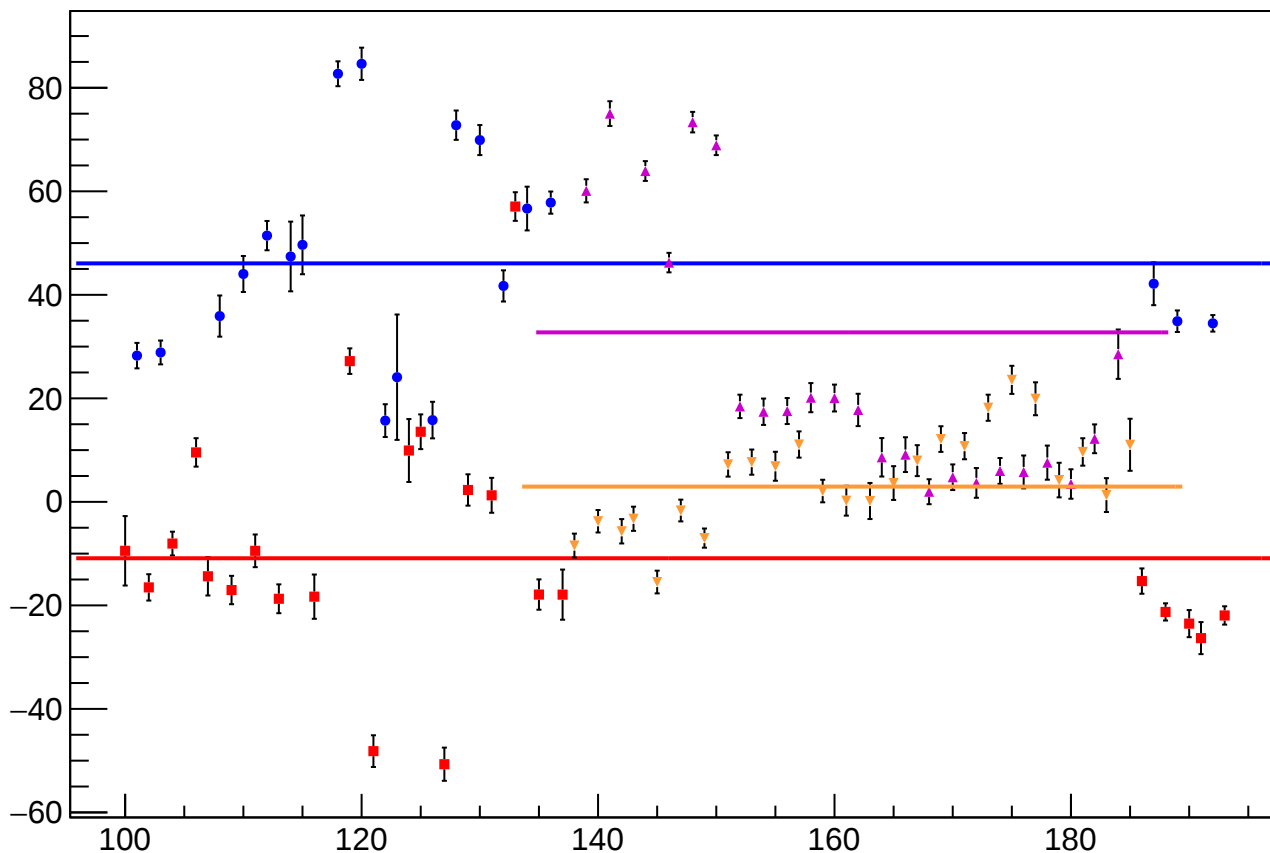
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 2218.850 $\pm$ 0.308 χ^2 /NDF: 1350359.7/44

All: 2191.787 $\pm$ 0.215 χ^2 /NDF: 2881947.2/91

- sign 2166.210 $\pm$ 0.300 χ^2 /NDF: 1516583.7/46

diff_bpm0i01aX_mean vs Slug



Right In: 46.076 ± 0.639 χ^2/NDF : 950.3/19

Left Out: 2.952 ± 0.512 χ^2/NDF : 337.8/24

Right Out: -10.896 ± 0.572 χ^2/NDF : 1455.9/23

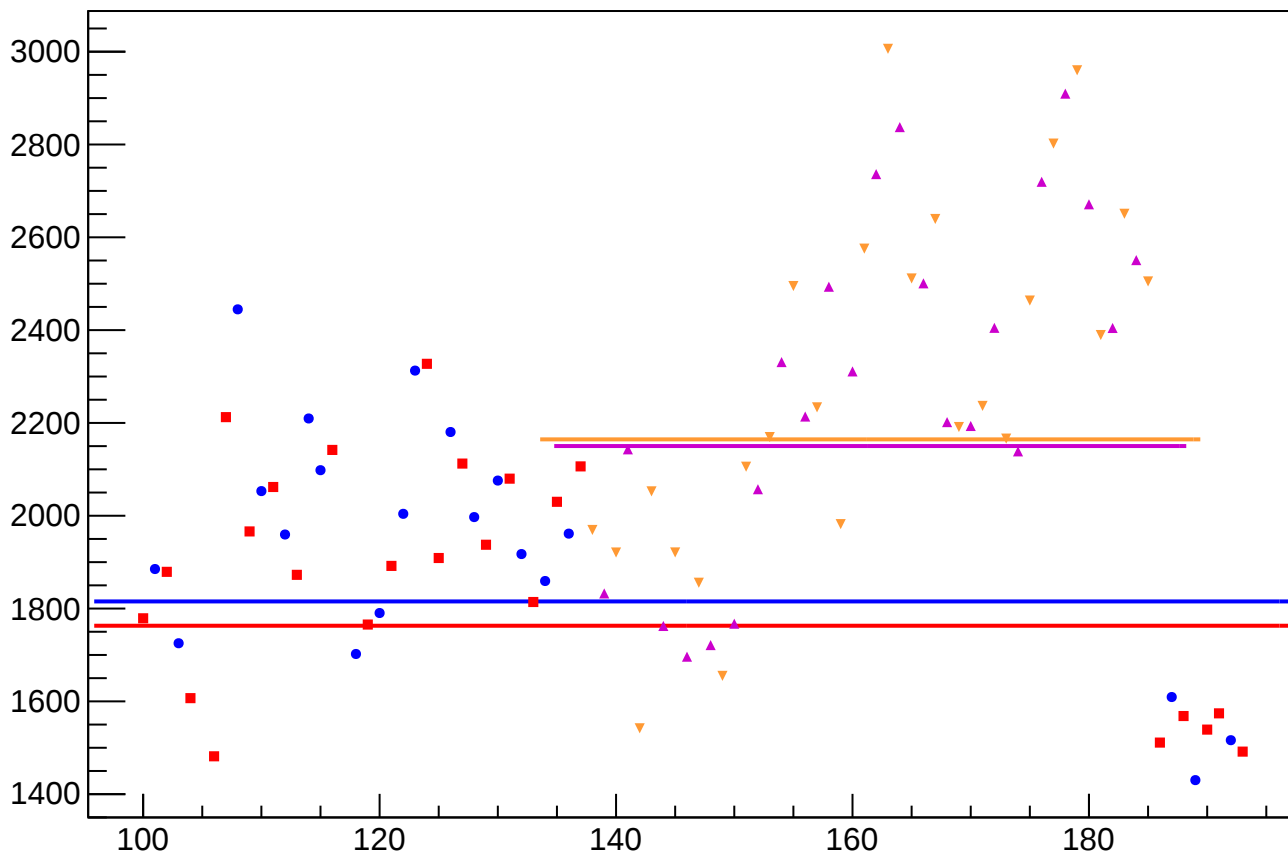
Left In: 32.745 ± 0.526 χ^2/NDF : 2632.5/22

+ sign 19.809 ± 0.400 χ^2/NDF : 4061.9/44

All: 16.164 ± 0.278 χ^2/NDF : 11465.6/91

- sign 12.741 ± 0.387 χ^2/NDF : 7242.3/46

diff_bpm0i01aX_rms vs Slug



Right In: 1815.353+/-0.452 χ^2/NDF : 297088.3/19

Left Out: 2164.573+/-0.362 χ^2/NDF : 965603.5/24

Right Out: 1762.978+/-0.404 χ^2/NDF : 329071.5/23

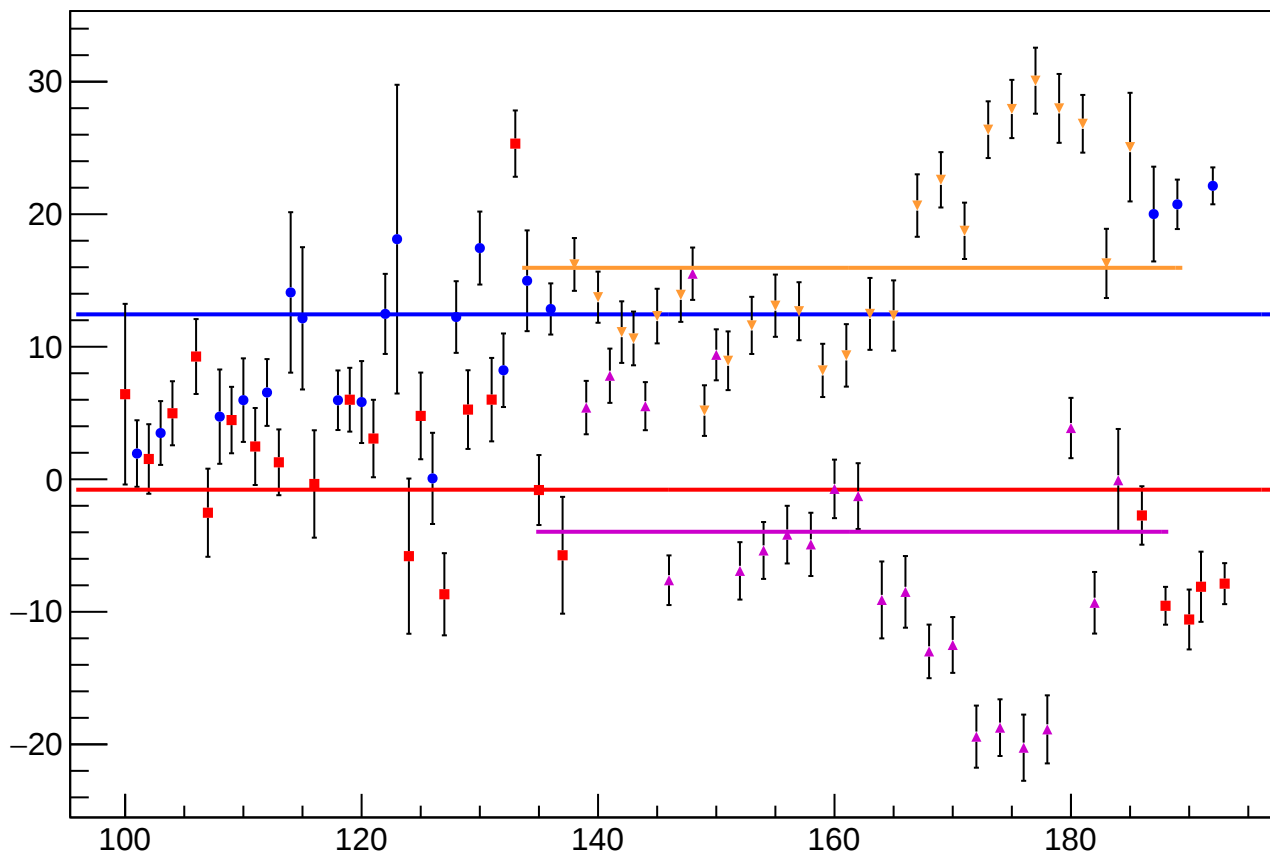
Left In: 2150.190+/-0.372 χ^2/NDF : 911849.7/22

+ sign 2028.068+/-0.283 χ^2/NDF : 1626494.6/44

All: 1999.514+/-0.197 χ^2/NDF : 3383801.7/91

- sign 1972.697+/-0.274 χ^2/NDF : 1737498.6/46

diff_bpm0i01aY_mean vs Slug



Right In: 12.444 ± 0.592 χ^2/NDF : 150.7/19

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

Right Out: -0.786 ± 0.528 χ^2/NDF : 251.6/23

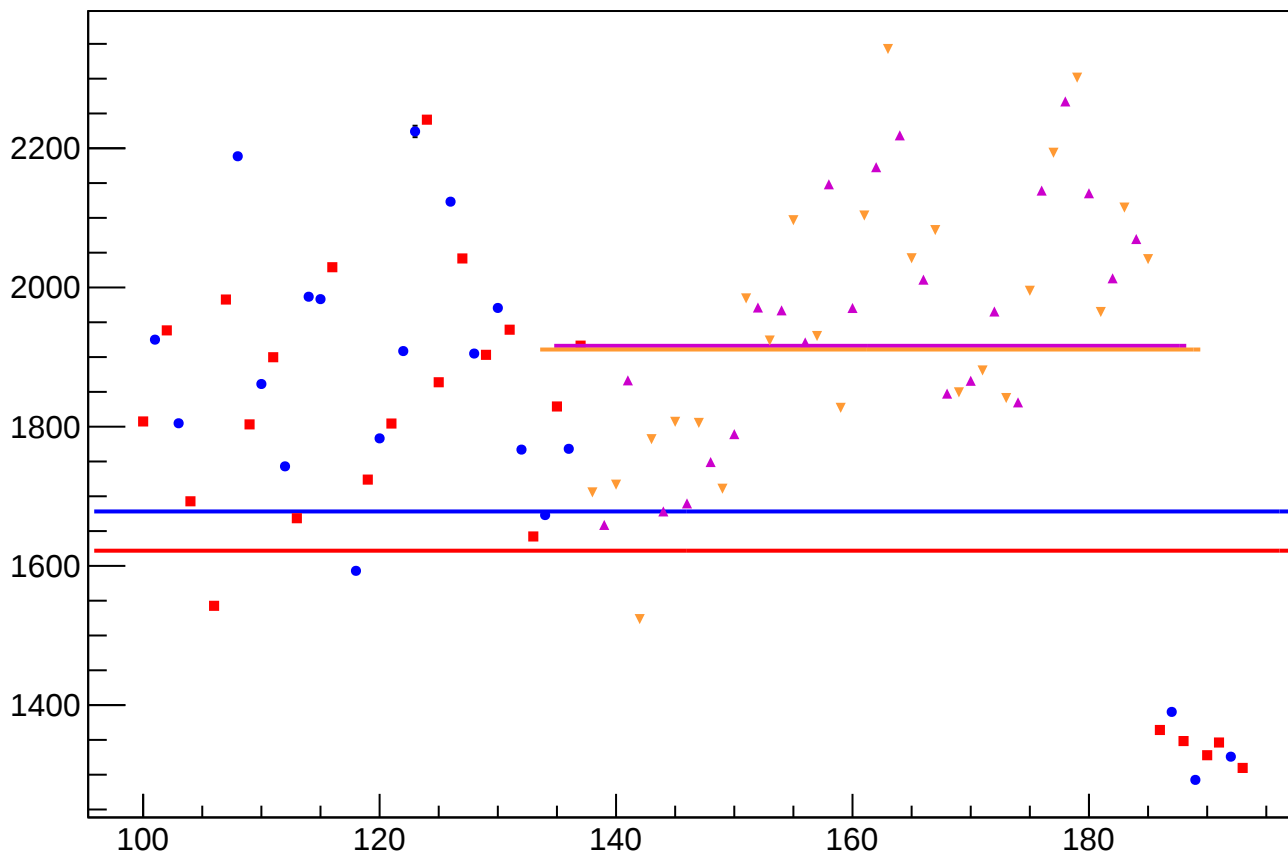
Left In: -3.960 ± 0.463 χ^2/NDF : 464.9/22

+ sign 14.680 ± 0.357 χ^2/NDF : 418.3/44

All: 5.828 ± 0.249 χ^2/NDF : 2354.0/91

- sign -2.580 ± 0.348 χ^2/NDF : 736.9/46

diff_bpm0i01aY_rms vs Slug



Right In: 1678.209 $\pm$ 0.419 χ^2 /NDF: 409805.9/19

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

Right Out: 1621.831 $\pm$ 0.373 χ^2 /NDF: 485945.8/23

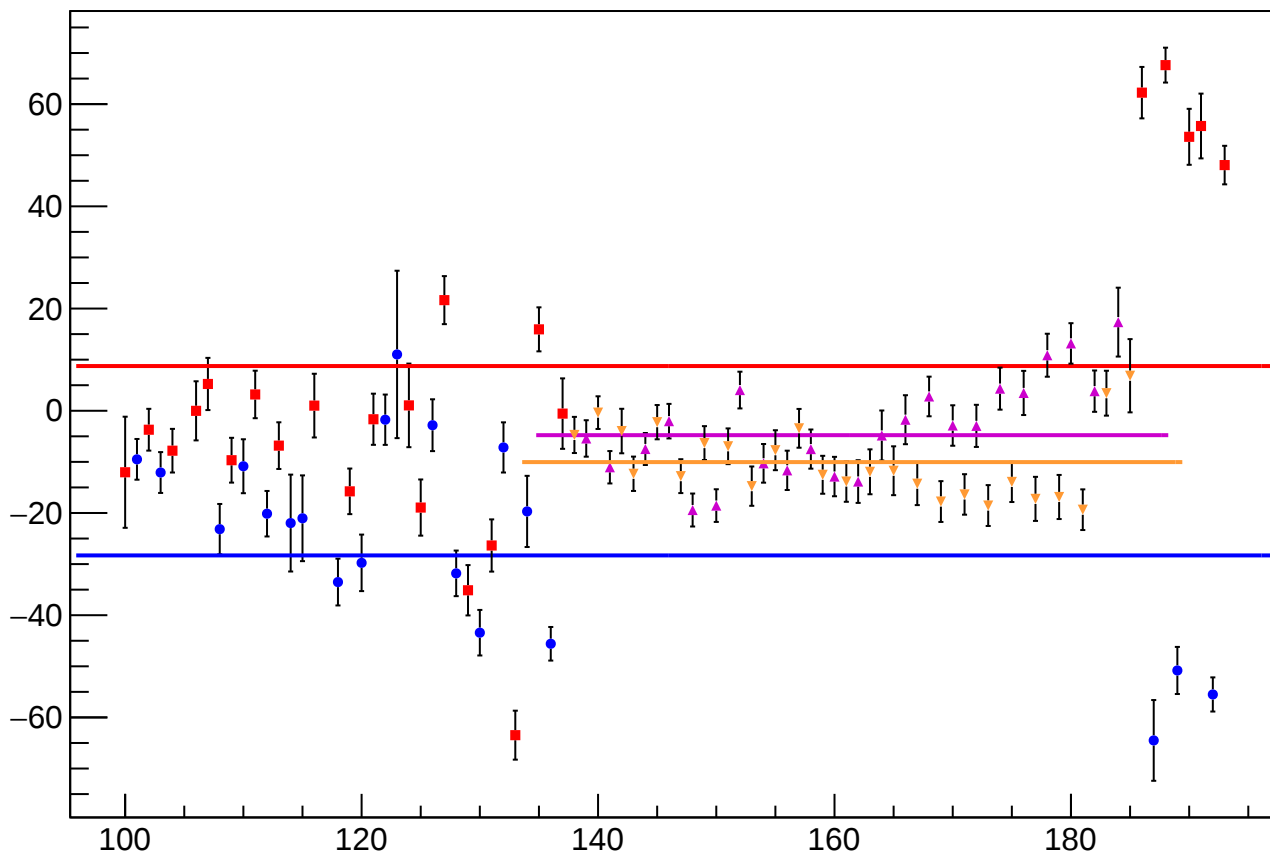
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1826.328 $\pm$ 0.252 χ^2 /NDF: 935267.9/44

All: 1806.747 $\pm$ 0.176 χ^2 /NDF: 2059006.7/93

- sign 1788.149 $\pm$ 0.246 χ^2 /NDF: 1112007.1/46

diff_bpm0l01X_mean vs Slug



Right In: -28.302 ± 1.084 χ^2/NDF : 287.8/19

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

Right Out: 8.751 ± 1.001 χ^2/NDF : 1131.1/23

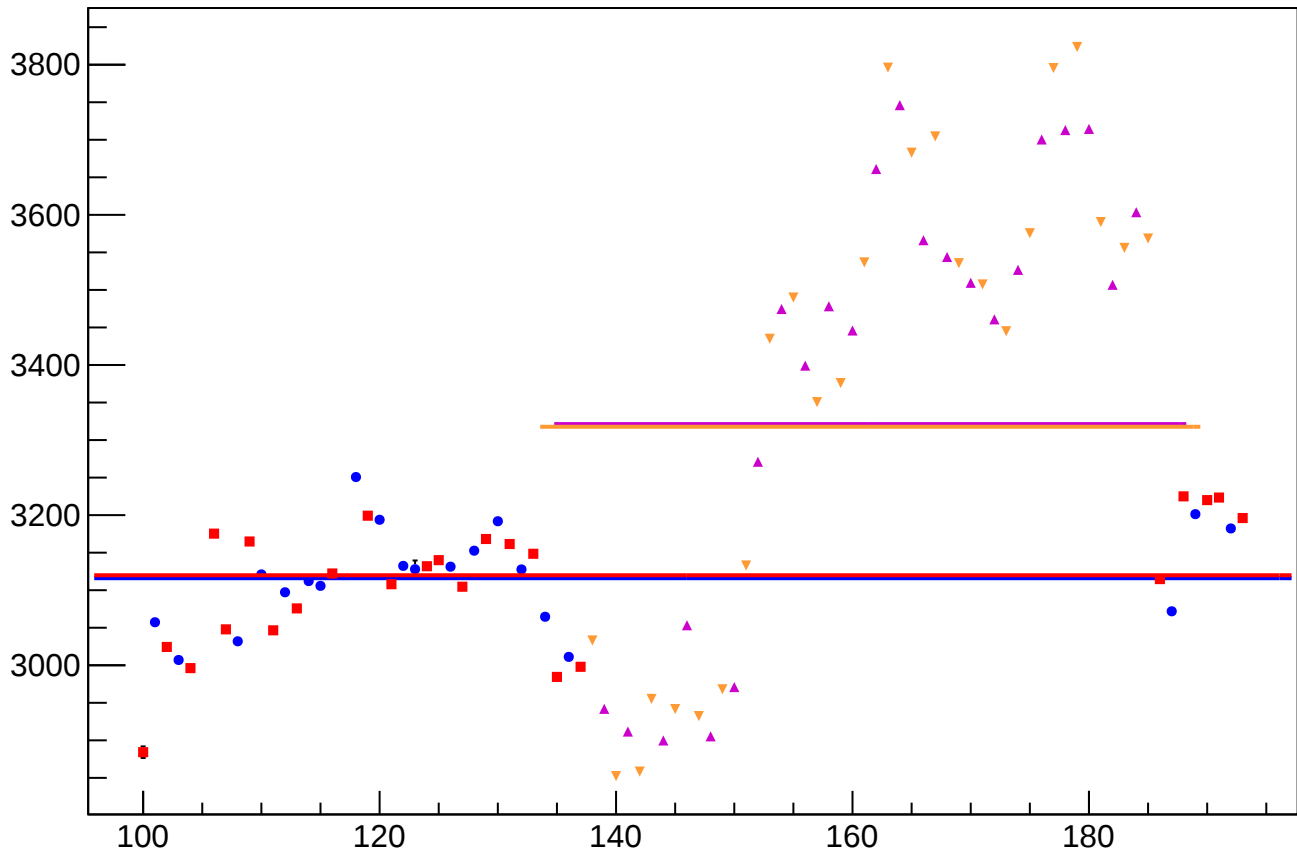
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -16.231 ± 0.631 χ^2/NDF : 542.4/44

All: -7.782 ± 0.444 χ^2/NDF : 2268.4/91

- sign 0.505 ± 0.625 χ^2/NDF : 1371.0/46

diff_bpm0l01X_rms vs Slug



Right In: 3115.987 $\pm$ 0.767 χ^2 /NDF: 9116.8/19

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

Right Out: 3119.916 $\pm$ 0.707 χ^2 /NDF: 12801.5/23

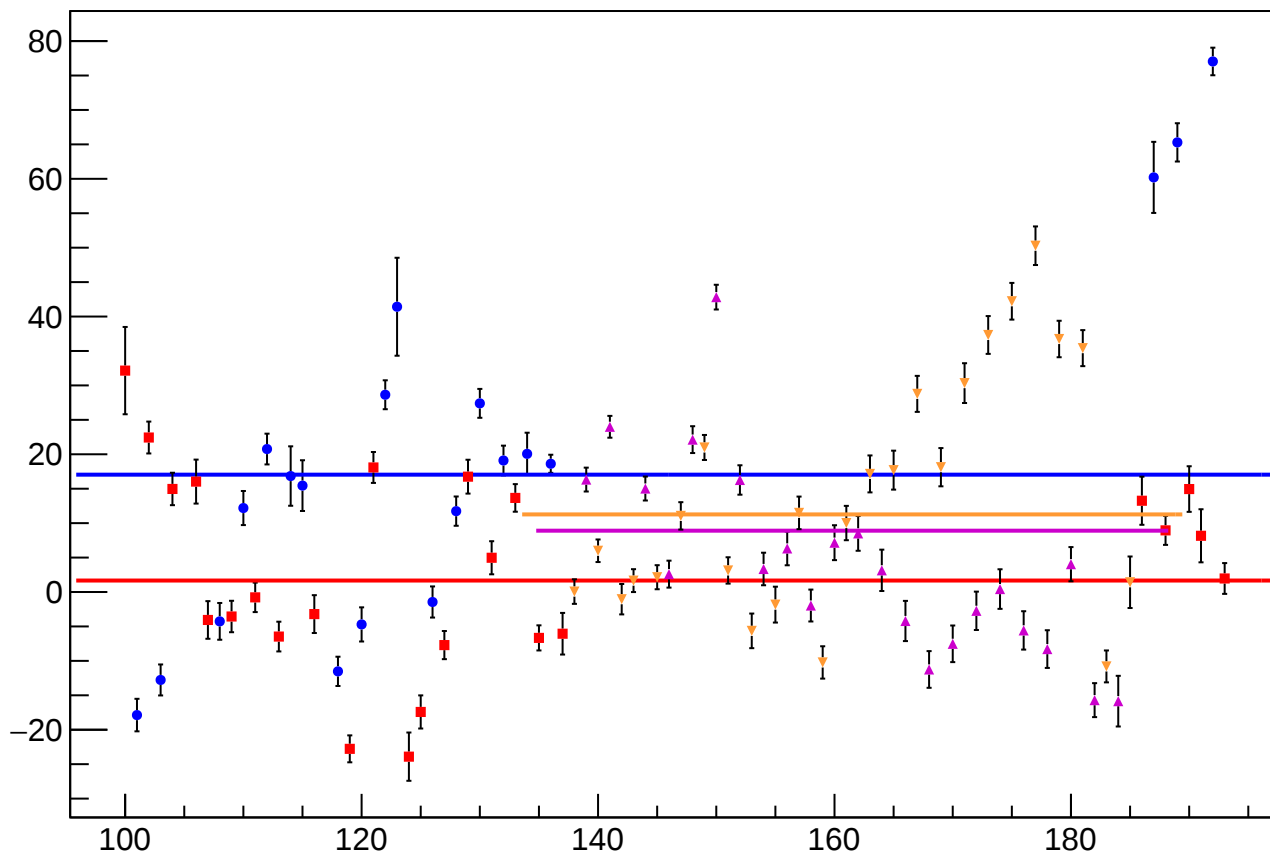
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF:284334.2/22

+ sign 3249.322 $\pm$ 0.446 χ^2 /NDF: 391762.5/44

All: 3245.973 $\pm$ 0.314 χ^2 /NDF: 738401.5/91

- sign 3242.689 $\pm$ 0.442 χ^2 /NDF: 346527.4/46

diff_bpm0l01Y_mean vs Slug



Right In: 17.039+/-0.527 χ^2/NDF : 2133.5/19

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

Right Out: 1.666+/-0.500 χ^2/NDF : 675.5/23

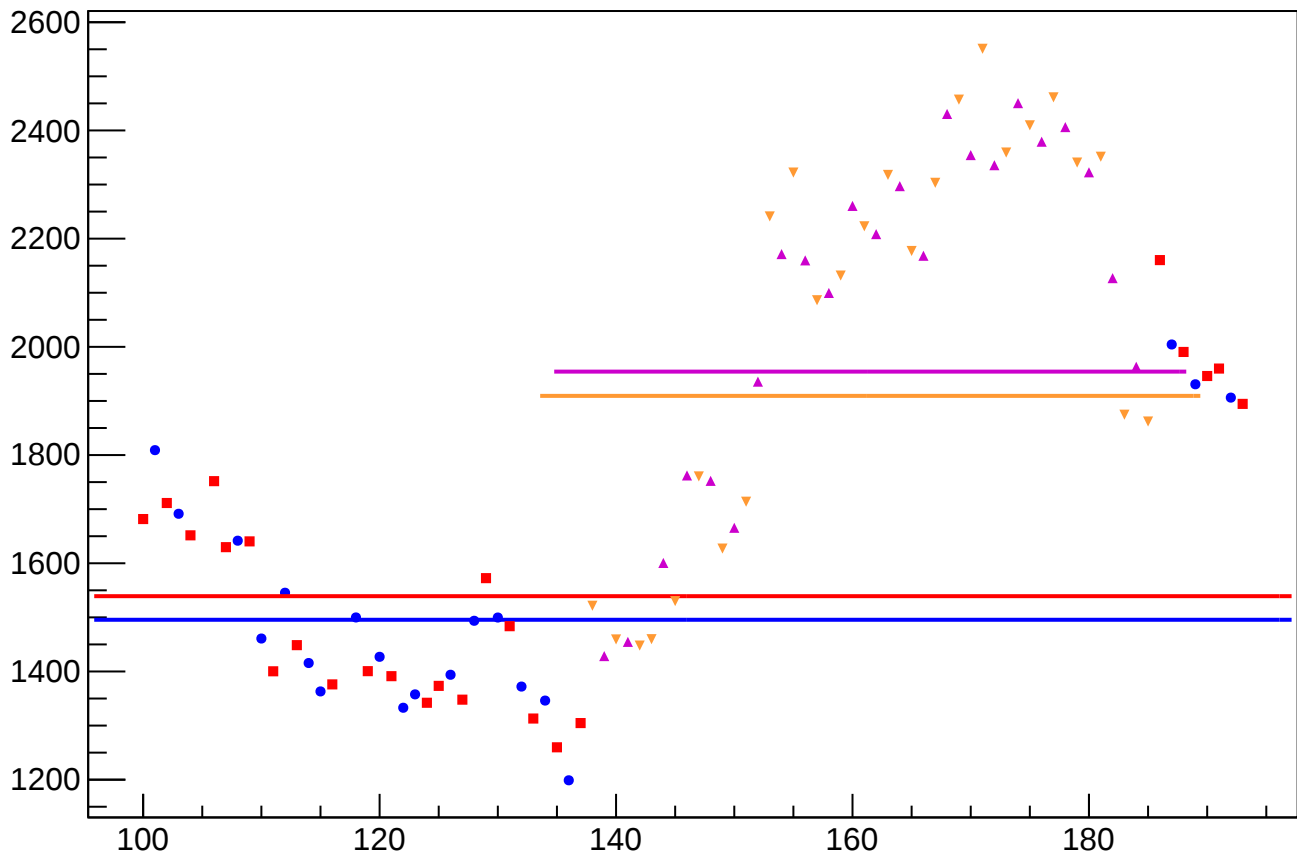
Left In: 8.905+/-0.478 χ^2/NDF : 936.3/22

+ sign 13.728+/-0.344 χ^2/NDF : 3344.0/44

All: 9.605+/-0.244 χ^2/NDF : 5353.5/91

- sign 5.453+/-0.345 χ^2/NDF : 1721.4/46

diff_bpm0l01Y_rms vs Slug



Right In: 1495.563 $\pm$ 0.373 χ^2 /NDF: 345211.7/19

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

Right Out: 1539.178 $\pm$ 0.354 χ^2 /NDF: 448086.5/23

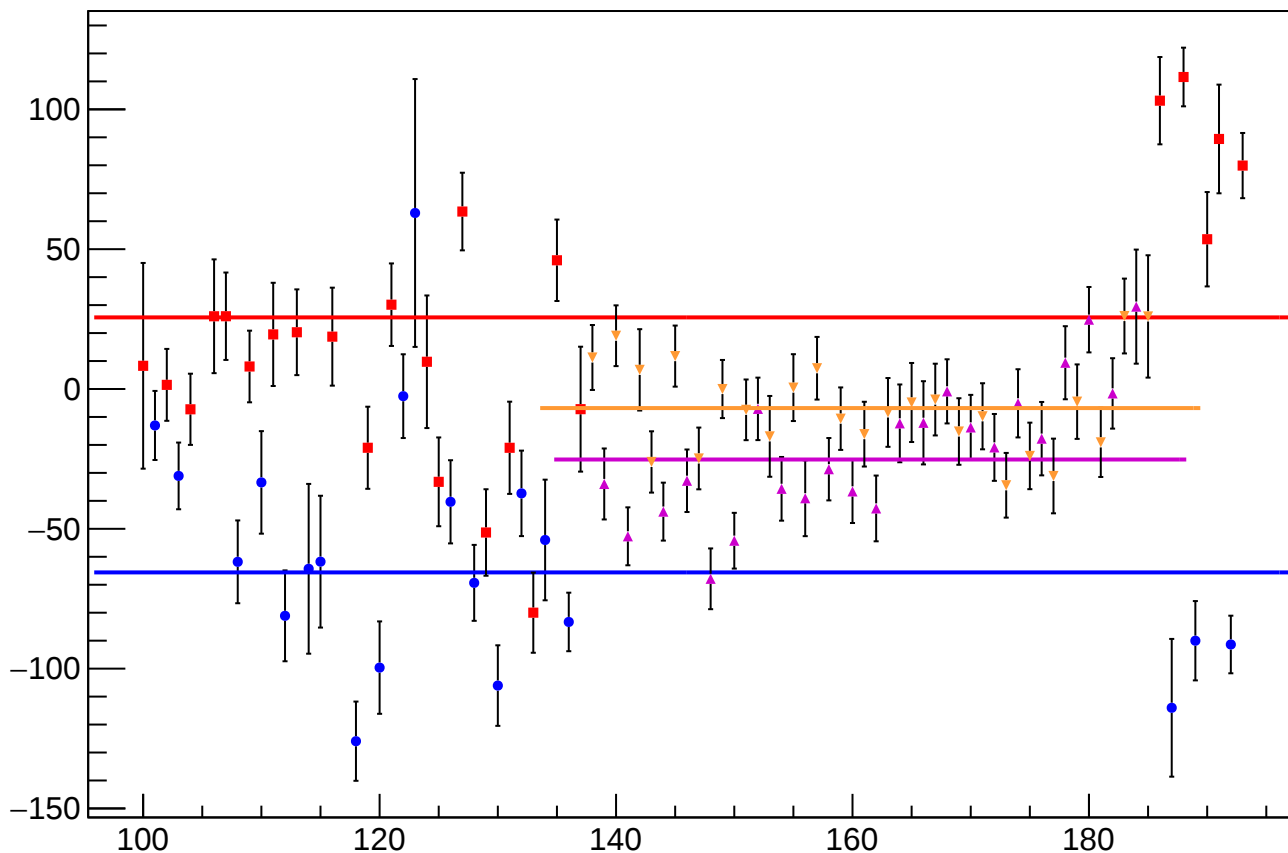
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

+ sign 1732.961 $\pm$ 0.243 χ^2 /NDF: 2451010.3/44

All: 1744.587 $\pm$ 0.172 χ^2 /NDF: 4669097.6/91

- sign 1756.296 $\pm$ 0.244 χ^2 /NDF: 2213506.1/46

diff_bpm0l02X_mean vs Slug



Right In: -65.590 ± 3.377 χ^2/NDF : 108.4/19

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

Right Out: 25.604 ± 3.126 χ^2/NDF : 262.6/23

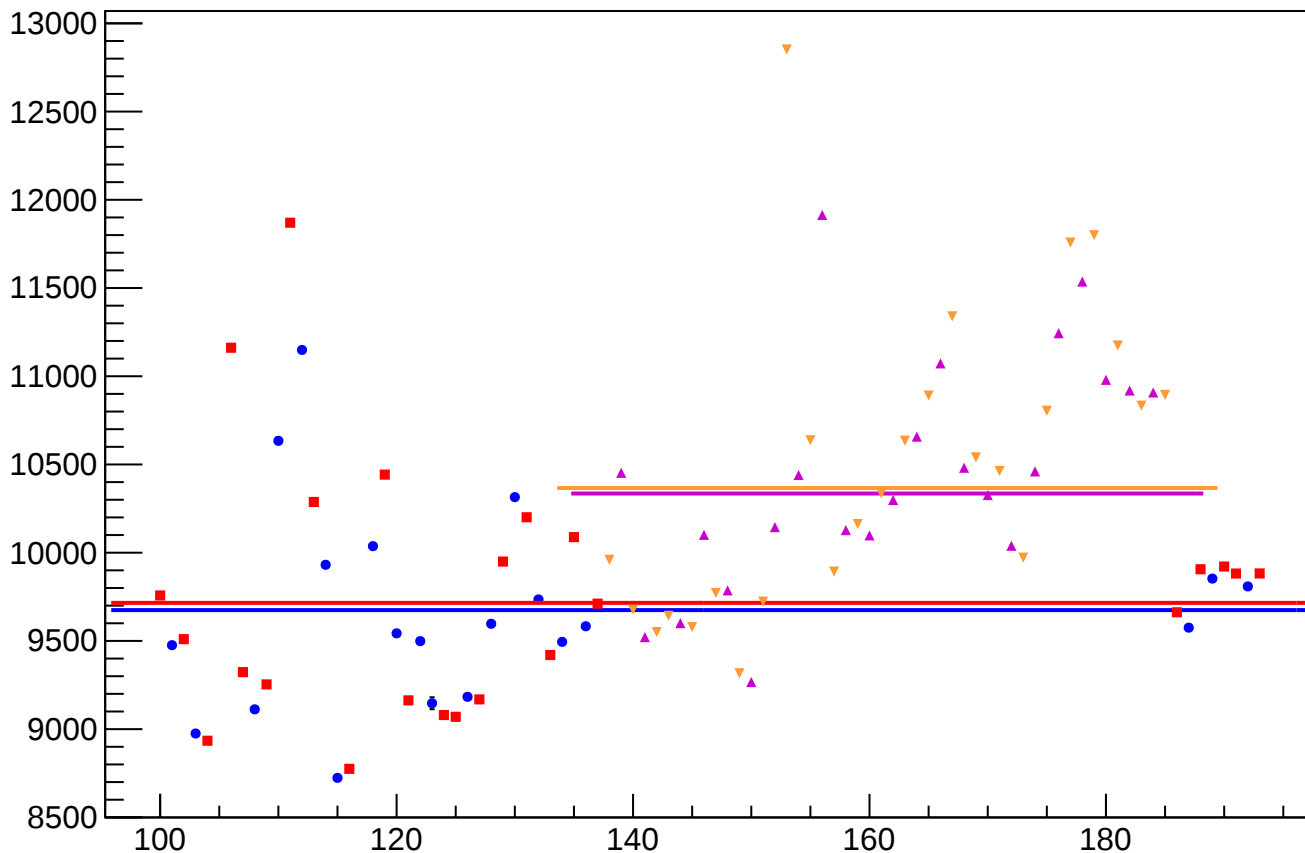
Left In: -25.215 ± 2.487 χ^2/NDF : 89.3/22

+ sign -26.794 ± 1.968 χ^2/NDF : 350.7/44

All: -16.036 ± 1.384 χ^2/NDF : 923.5/91

- sign -5.521 ± 1.946 χ^2/NDF : 513.7/46

diff_bpm0l02X_rms vs Slug



Right In: 9674.672 $\pm$ 2.388 χ^2 /NDF: 44796.8/19

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

Right Out: 9715.771 $\pm$ 2.210 χ^2 /NDF: 79264.2/23

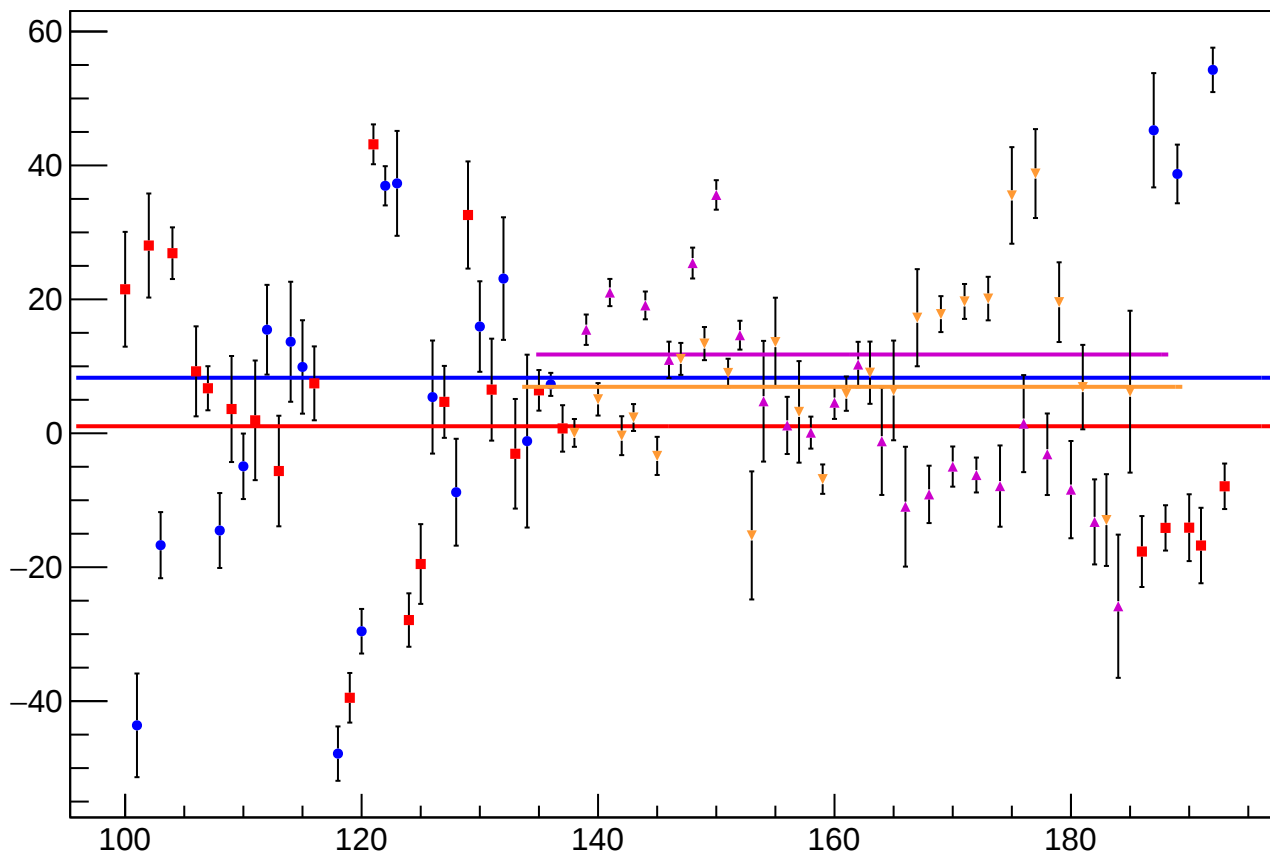
Left In: 10335.399 $\pm$ 1.758 χ^2 /NDF:127173.0/22

+ sign 10131.434 $\pm$ 1.392 χ^2 /NDF: 311631.8/44

All: 10113.148 $\pm$ 0.979 χ^2 /NDF: 566537.1/91

- sign 10095.275 $\pm$ 1.376 χ^2 /NDF: 254564.0/46

diff_bpm0l02Y_mean vs Slug



Right In: 8.294 ± 0.983 χ^2/NDF : 794.8/19

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

Right Out: 1.051 ± 0.945 χ^2/NDF : 532.3/23

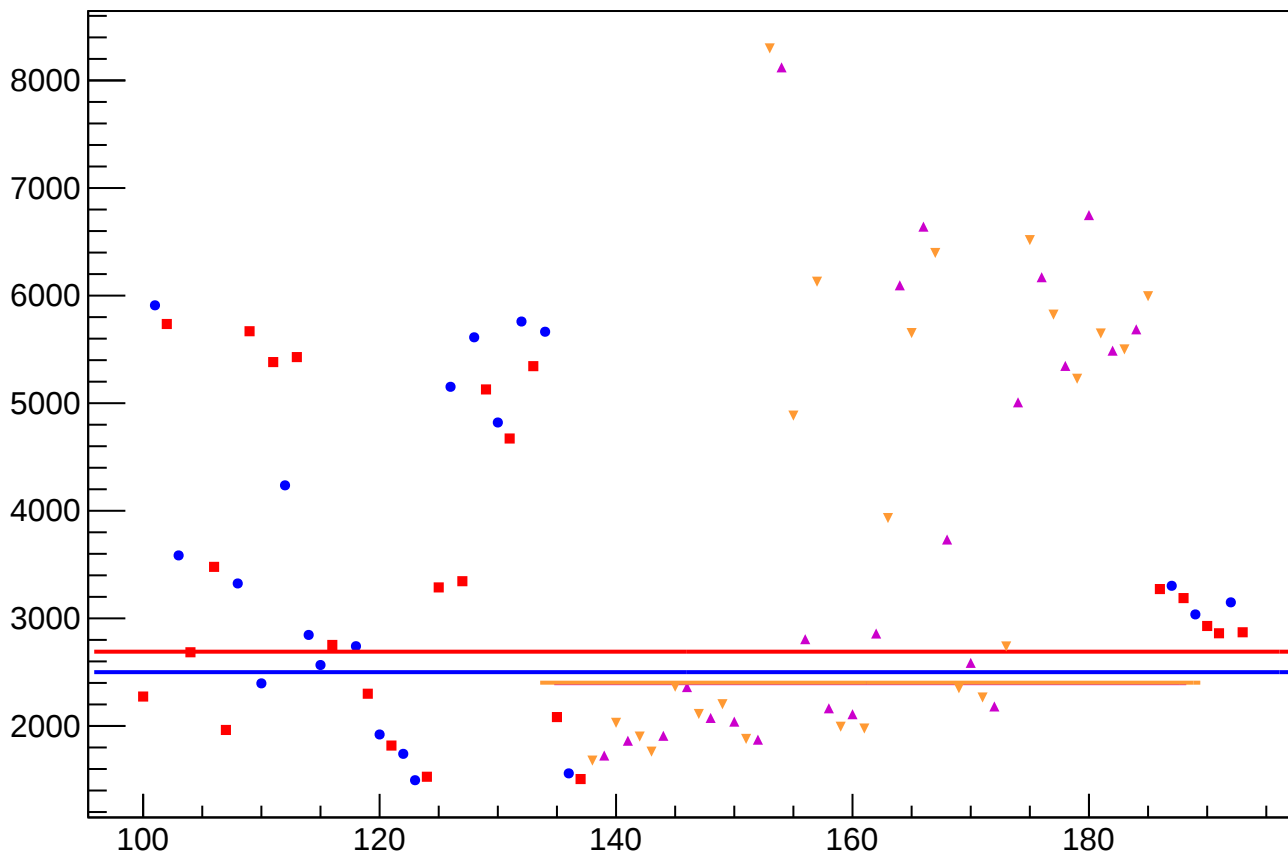
Left In: 11.766 ± 0.648 χ^2/NDF : 395.1/22

+ sign 7.341 ± 0.536 χ^2/NDF : 1000.0/44

All: 7.840 ± 0.378 χ^2/NDF : 2016.5/91

- sign 8.336 ± 0.535 χ^2/NDF : 1014.8/46

diff_bpm0l02Y_rms vs Slug



Right In: 2500.150+/-0.695 χ^2/NDF : 2734869.0/19

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

Right Out: 2690.432+/-0.668 χ^2/NDF : 2459767.4/23

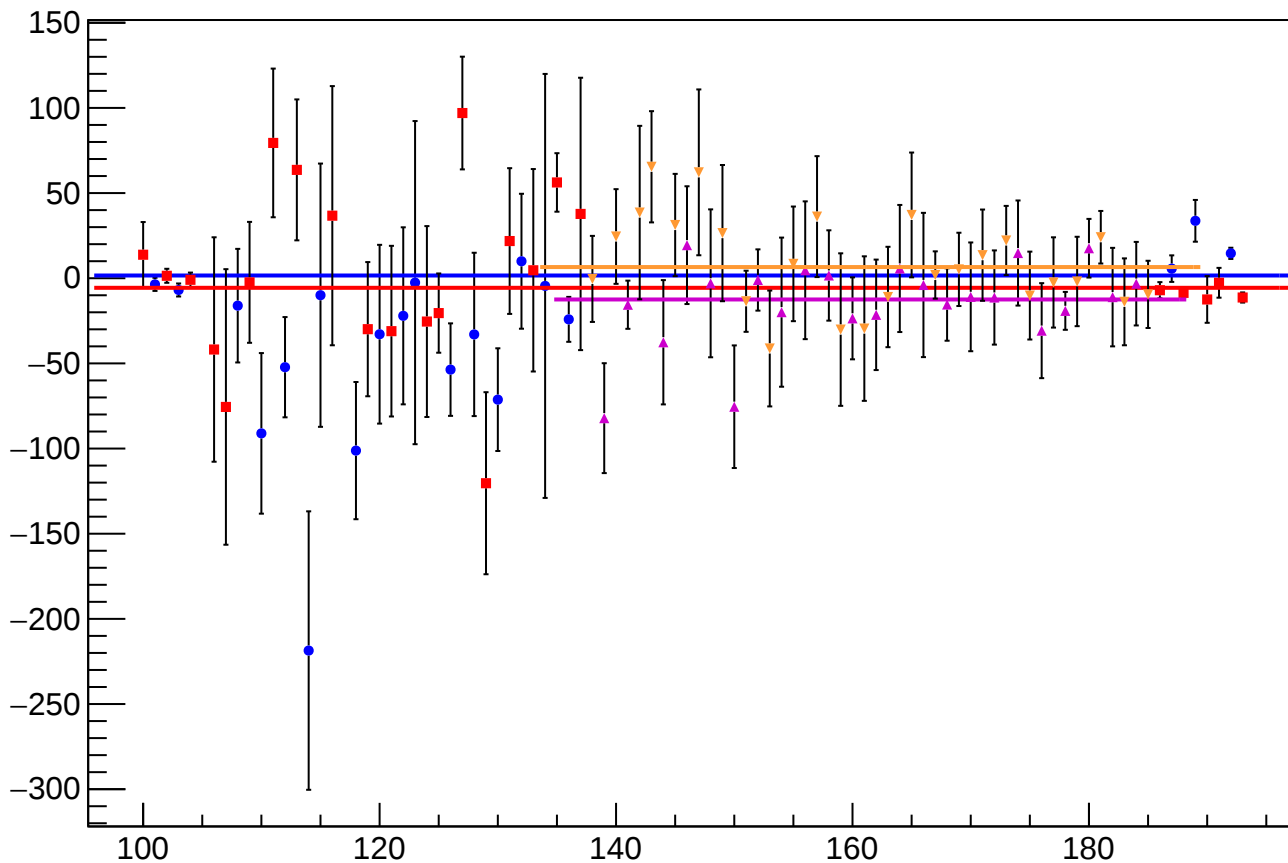
Left In: 2397.701+/-0.458 χ^2/NDF : 5398920.1/22

+ sign 2431.391+/-0.379 χ^2/NDF : 9094768.6/44

All: 2461.453+/-0.268 χ^2/NDF : 17096536.7/9

- sign 2491.402+/-0.378 χ^2/NDF : 7989190.8/46

diff_bpm0l03X_mean vs Slug



Right In: 1.605 ± 1.943 χ^2/NDF : 65.9/19

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

Right Out: -5.621 ± 1.550 χ^2/NDF : 47.4/23

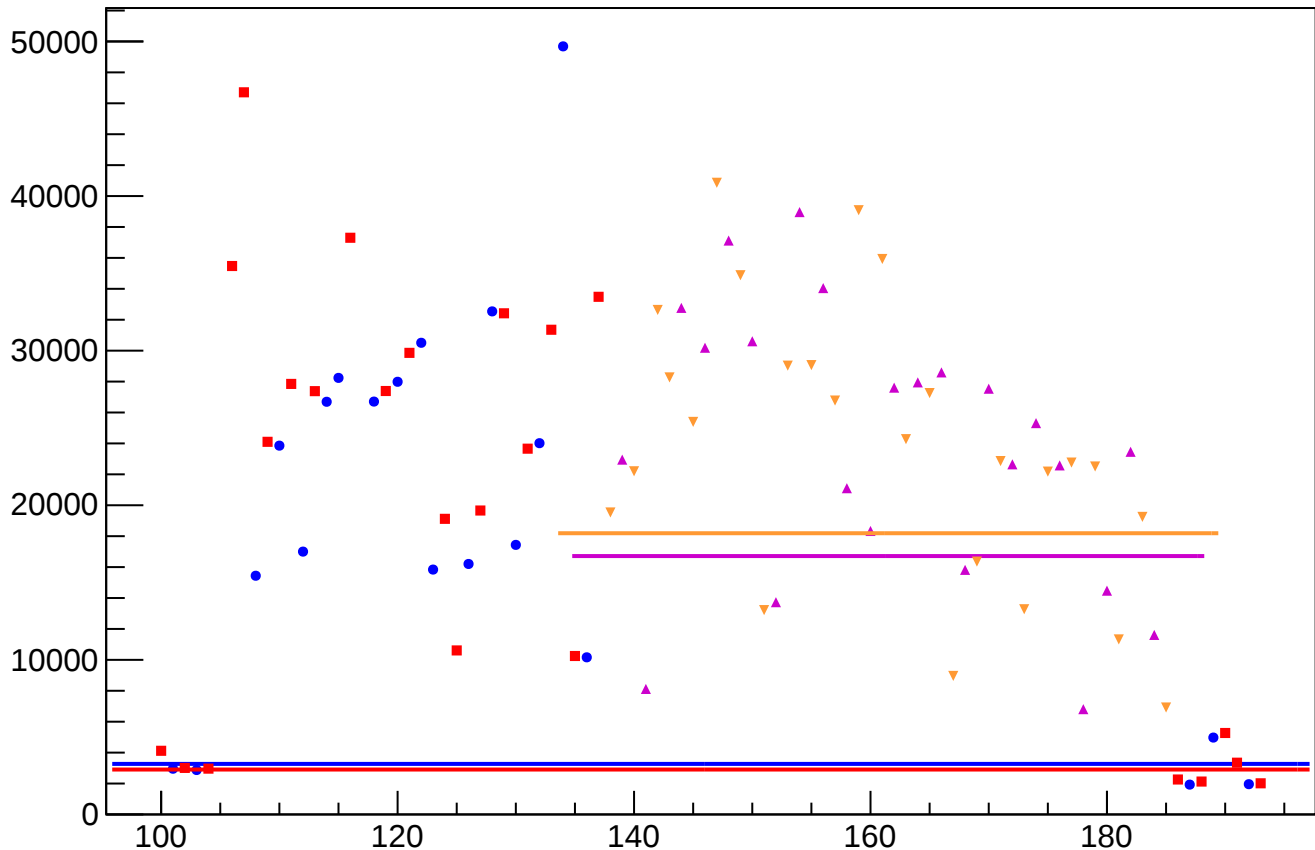
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign 2.238 ± 1.814 χ^2/NDF : 83.4/44

All: -2.835 ± 1.147 χ^2/NDF : 160.9/91

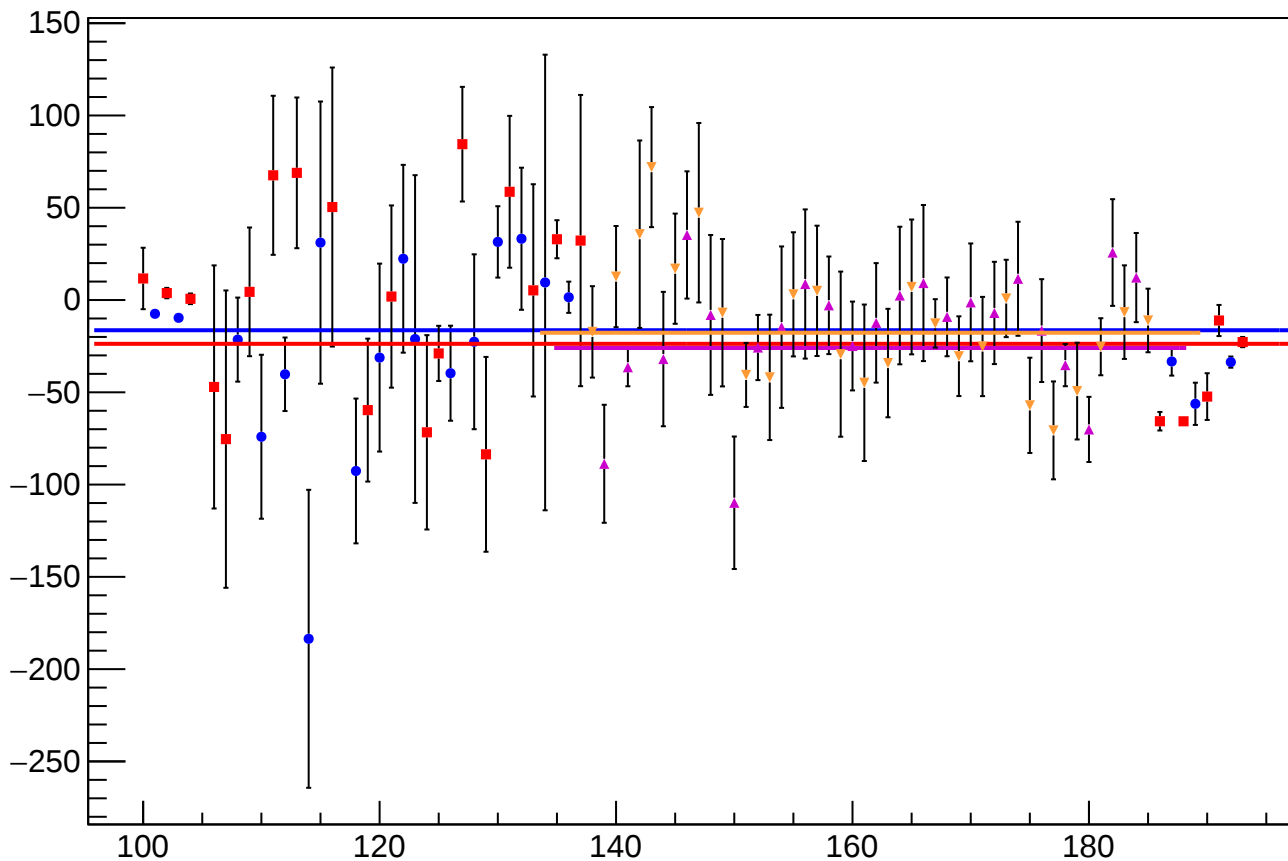
- sign -6.216 ± 1.481 χ^2/NDF : 64.5/46

diff_bpm0l03X_rms vs Slug



Right In: 3270.413+/-1.374	χ^2/NDF : 6625298.5/19	+ sign 5175.554+/-1.283	χ^2/NDF : 26950922.6/44
Left Out: 18190.387+/-3.590	χ^2/NDF : 5261328.5/24	All: 4533.230+/-0.811	χ^2/NDF : 55773918.2/9
Right Out: 2905.633+/-1.096	χ^2/NDF : 8423011.3/23	- sign 4105.167+/-1.047	χ^2/NDF : 28405282.5/46
Left In: 16713.653+/-3.553	χ^2/NDF : 6194178.8/22		

diff_bpm0l03Y_mean vs Slug



Right In: -16.370 ± 1.490 χ^2/NDF : 92.9/19

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

Right Out: -23.732 ± 1.292 χ^2/NDF : 553.0/23

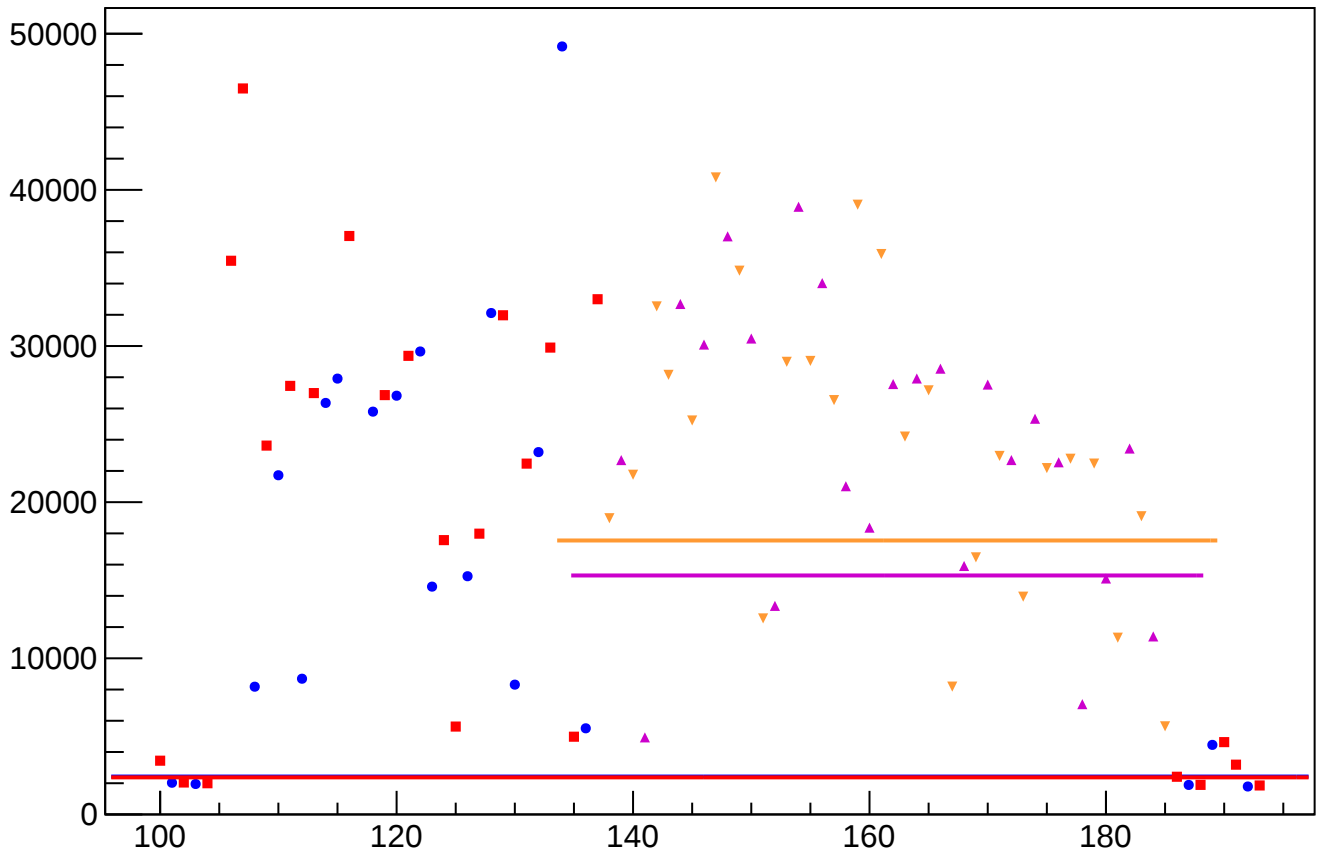
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -16.481 ± 1.428 χ^2/NDF : 120.2/44

All: -20.679 ± 0.939 χ^2/NDF : 721.2/91

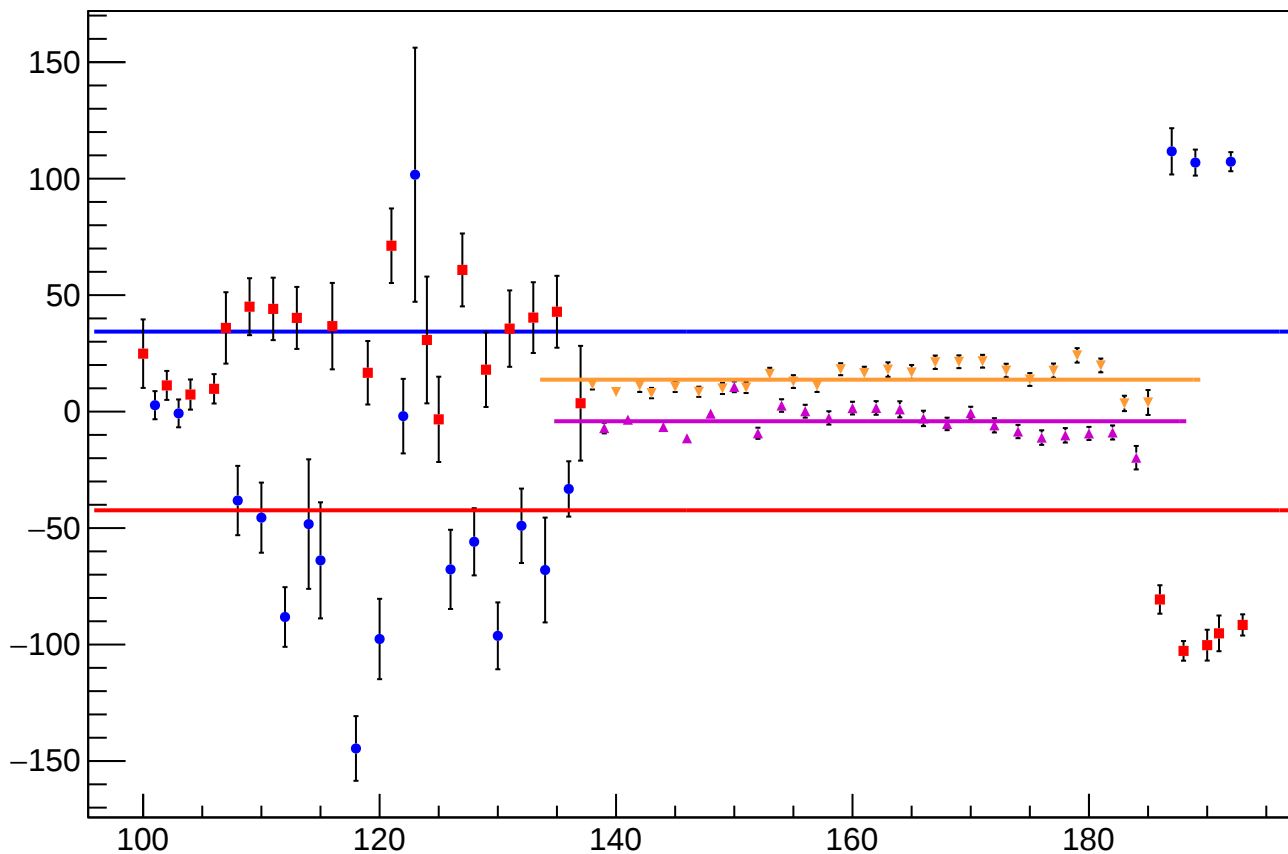
- sign -23.885 ± 1.248 χ^2/NDF : 585.8/46

diff_bpm0l03Y_rms vs Slug



Right In: 2427.284+/-1.054	χ^2/NDF : 5756430.7/19	+ sign 3672.729+/-1.010	χ^2/NDF : 28613465.1/44
Left Out: 17546.173+/-3.517	χ^2/NDF : 5902620.4/24	All: 3434.694+/-0.664	χ^2/NDF : 58136939.1/5
Right Out: 2375.366+/-0.914	χ^2/NDF : 8113856.4/23	- sign 3252.920+/-0.882	χ^2/NDF : 29425420.0/46
Left In: 15305.311+/-3.386	χ^2/NDF : 7721177.0/22		

diff_bpm0l04X_mean vs Slug



Right In: 34.341 ± 2.161 $\chi^2/\text{NDF}: 1246.1/19$

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

Right Out: -42.376 ± 1.793 $\chi^2/\text{NDF}: 1107.6/23$

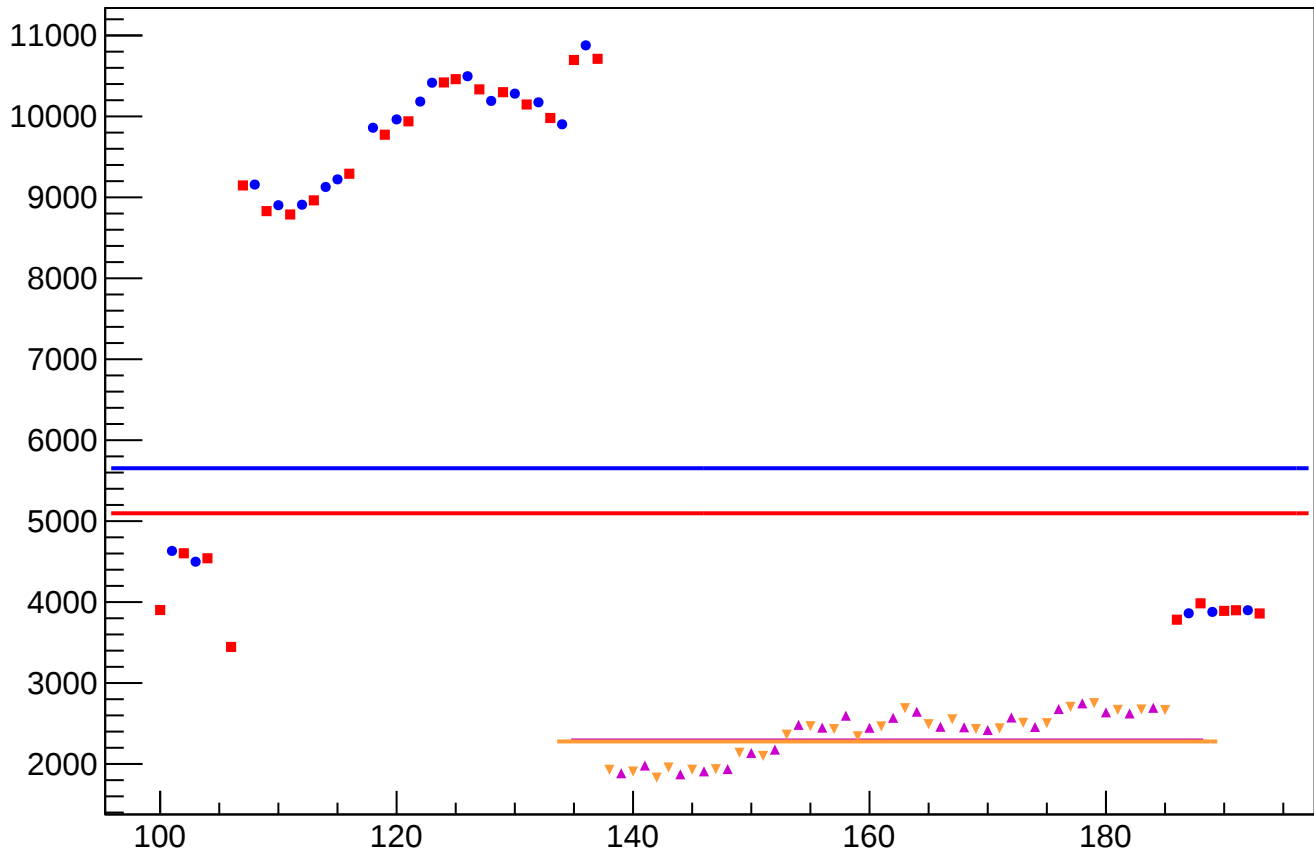
Left In: -4.141 ± 0.555 $\chi^2/\text{NDF}: 111.7/22$

+ sign 14.902 ± 0.520 $\chi^2/\text{NDF}: 1421.8/44$

All: 3.933 ± 0.371 $\chi^2/\text{NDF}: 3965.9/91$

- sign -7.483 ± 0.530 $\chi^2/\text{NDF}: 1634.4/46$

diff_bpm0l04X_rms vs Slug



Right In: 5653.632 $\pm$ 1.528 χ^2 /NDF: 2842703.0/19

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

Right Out: 5096.990 $\pm$ 1.268 χ^2 /NDF: 3287355.3/23

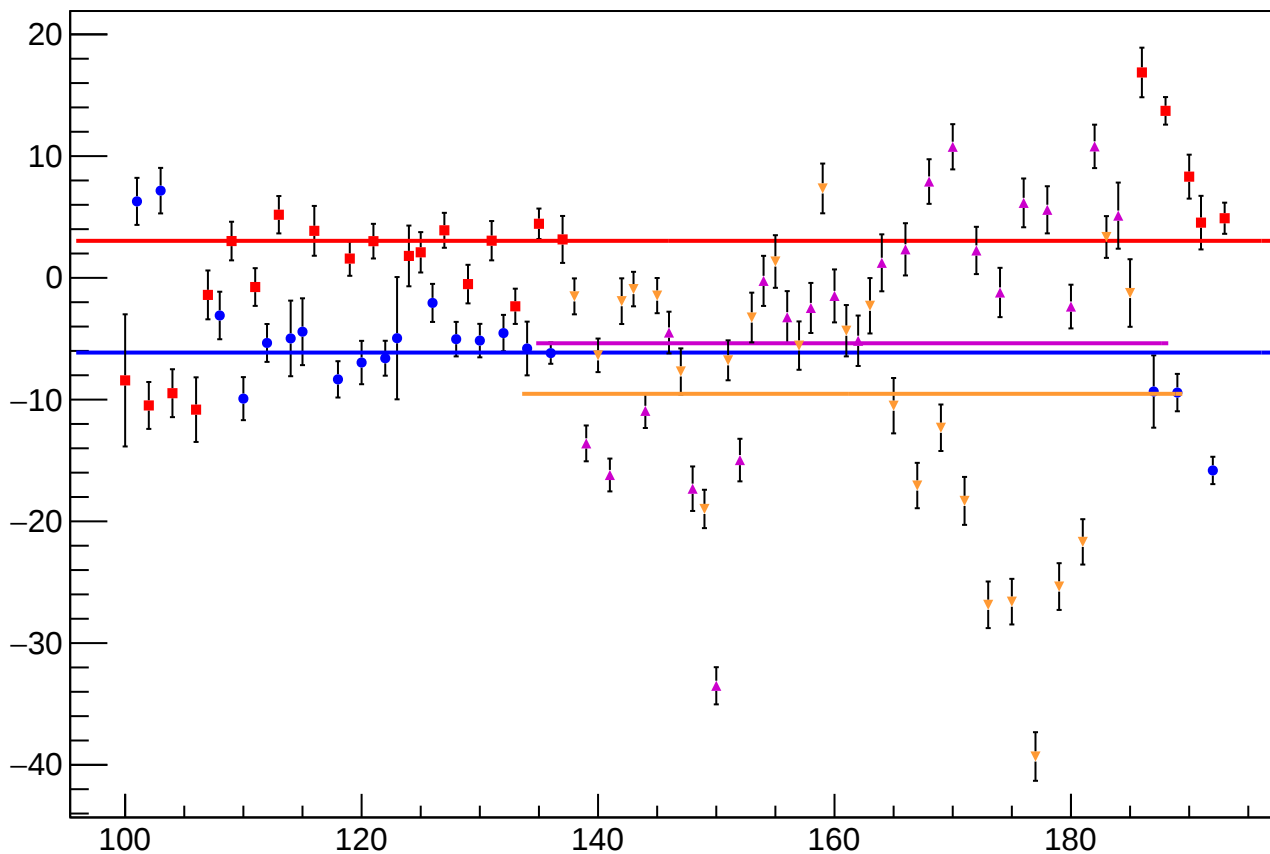
Left In: 2290.461 $\pm$ 0.392 χ^2 /NDF: 590272.1/22

+ sign 2473.203 $\pm$ 0.367 χ^2 /NDF: 8046938.5/44

All: 2503.866 $\pm$ 0.262 χ^2 /NDF: 16412253.9/5

- sign 2535.774 $\pm$ 0.375 χ^2 /NDF: 8351100.2/46

diff_bpm0l04Y_mean vs Slug



Right In: -6.136 ± 0.358 χ^2/NDF : 191.4/19

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

Right Out: 3.041 ± 0.338 χ^2/NDF : 302.7/23

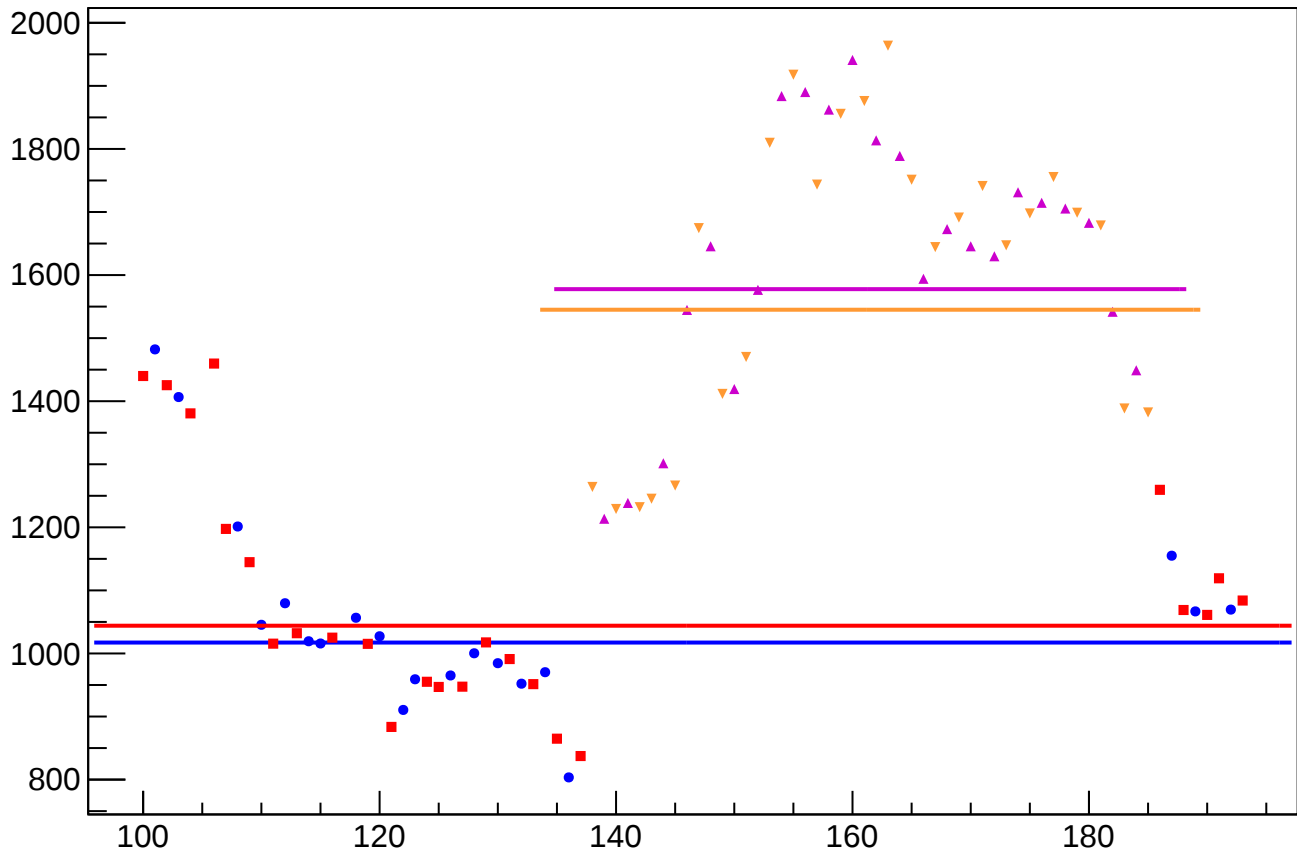
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -7.799 ± 0.256 χ^2/NDF : 1119.4/44

All: -4.192 ± 0.180 χ^2/NDF : 2958.2/91

- sign -0.645 ± 0.253 χ^2/NDF : 1443.8/46

diff_bpm0l04Y_rms vs Slug



Right In: 1017.297 $\pm$ 0.253 χ^2 /NDF: 374507.7/19

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

Right Out: 1044.001 $\pm$ 0.239 χ^2 /NDF: 364900.1/23

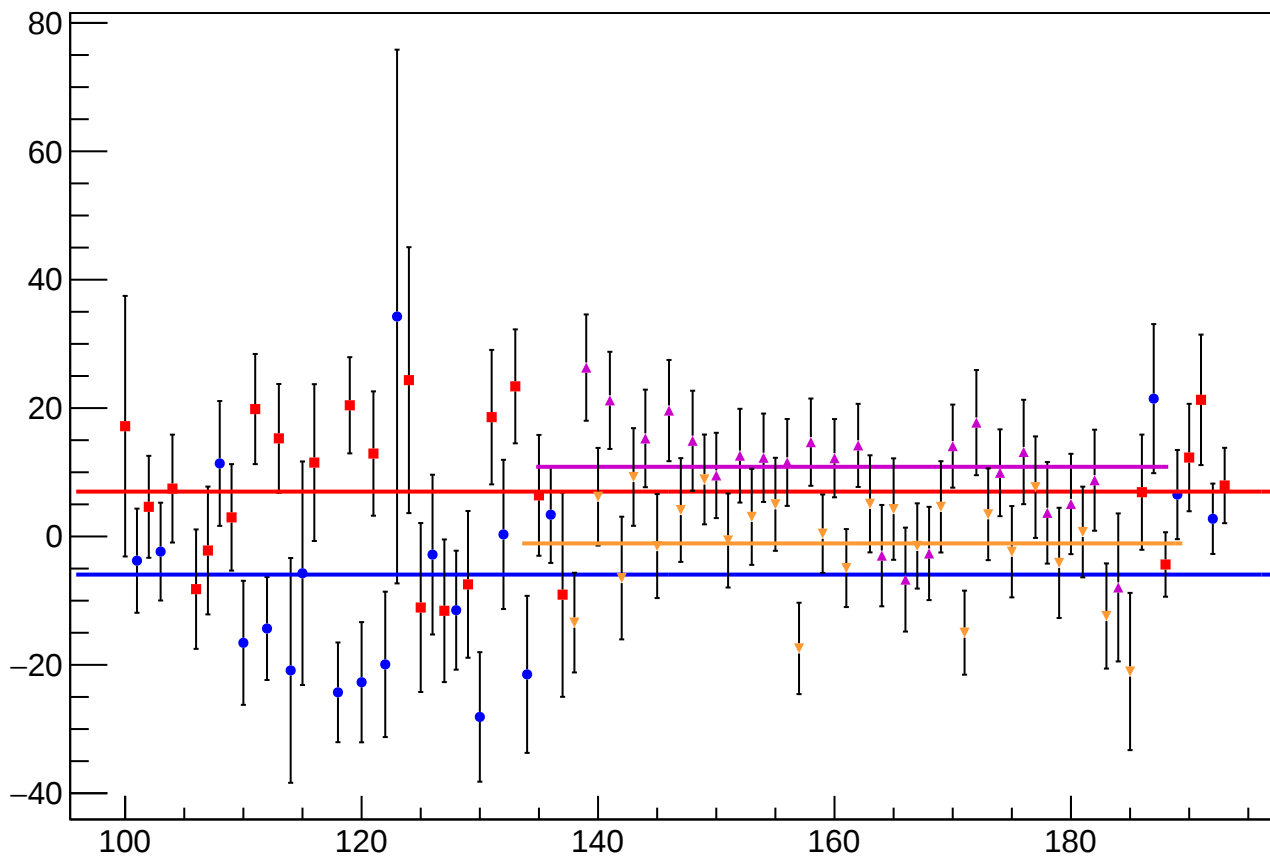
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1276.379 $\pm$ 0.181 χ^2 /NDF: 3348500.3/44

All: 1277.111 $\pm$ 0.127 χ^2 /NDF: 6521816.2/90

- sign 1277.831 $\pm$ 0.179 χ^2 /NDF: 3173283.3/46

diff_bpm0l05X_mean vs Slug



Right In: -5.938 ± 2.070 χ^2/NDF : 37.7/19

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

Right Out: 6.989 ± 1.834 χ^2/NDF : 31.2/23

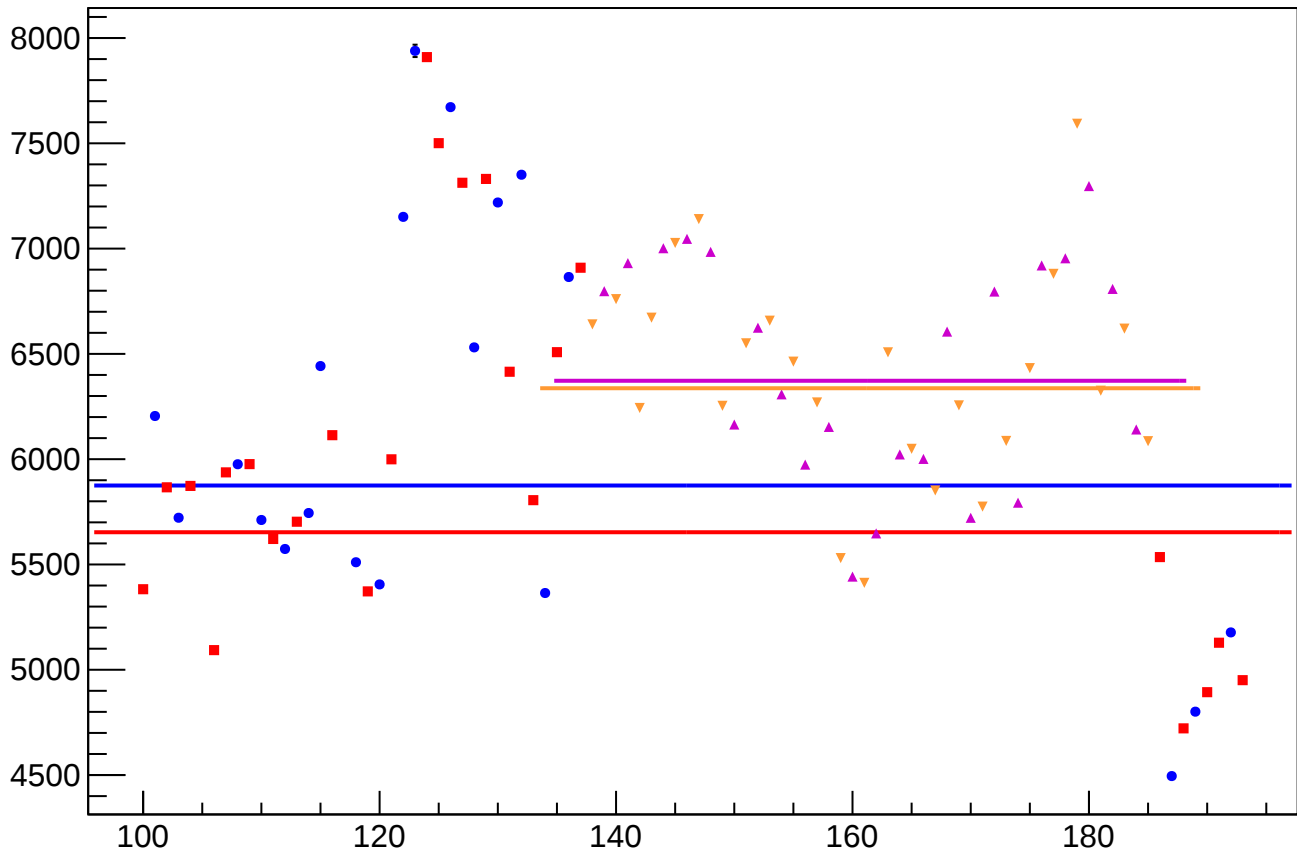
Left In: 10.851 ± 1.542 χ^2/NDF : 24.4/22

+ sign -2.736 ± 1.208 χ^2/NDF : 68.9/44

All: 3.397 ± 0.844 χ^2/NDF : 177.4/91

- sign 9.252 ± 1.180 χ^2/NDF : 58.2/46

diff_bpm0l05X_rms vs Slug



Right In: 5874.941+/-1.464 χ^2/NDF : 315789.5/19

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

Right Out: 5653.062+/-1.297 χ^2/NDF : 334009.0/23

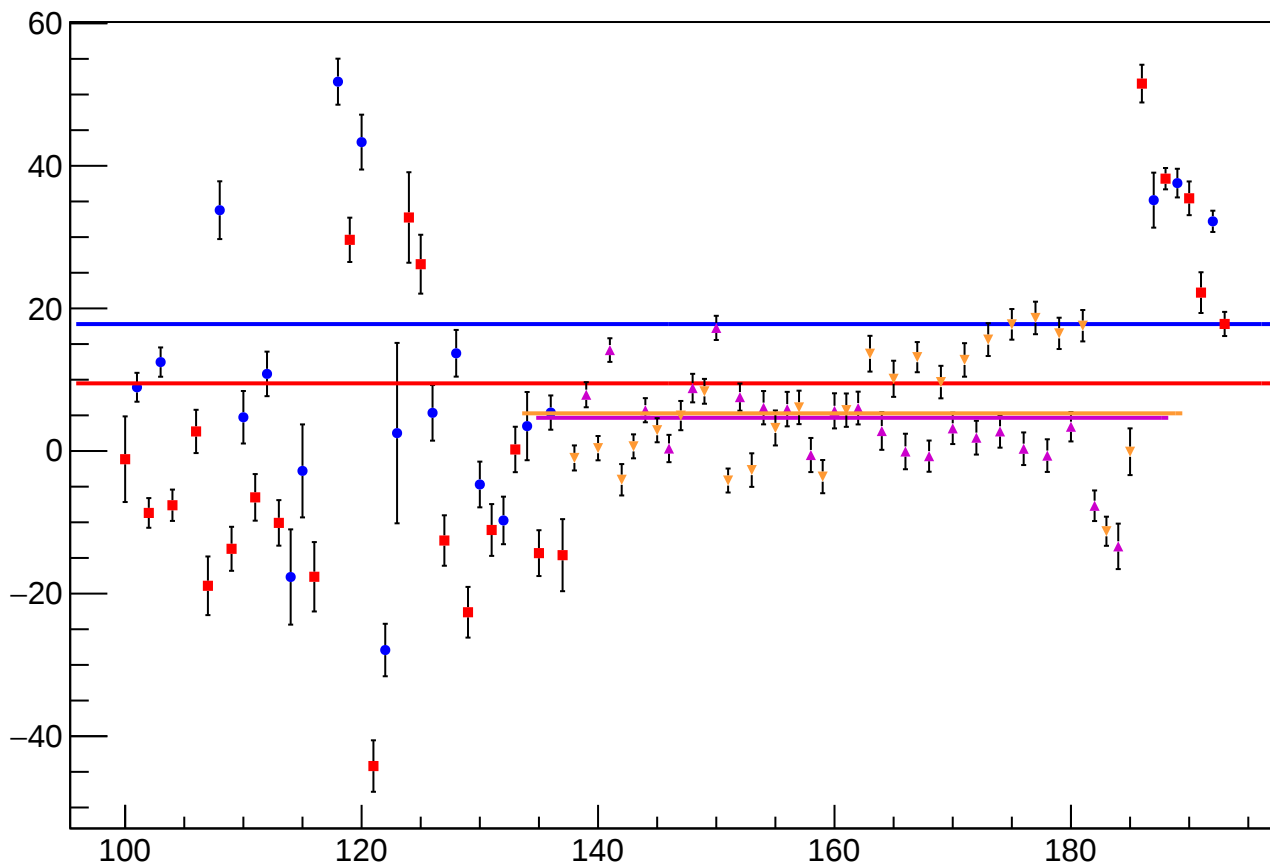
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

+ sign 6179.643+/-0.854 χ^2/NDF : 604383.6/44

All: 6125.872+/-0.597 χ^2/NDF : 1373659.8/91

- sign 6074.541+/-0.834 χ^2/NDF : 761528.4/46

diff_bpm0l05Y_mean vs Slug



Right In: 17.802 ± 0.654 $\chi^2/\text{NDF}: 783.1/19$

Left Out: 5.284 ± 0.421 $\chi^2/\text{NDF}: 366.1/24$

Right Out: 9.488 ± 0.583 $\chi^2/\text{NDF}: 1657.9/23$

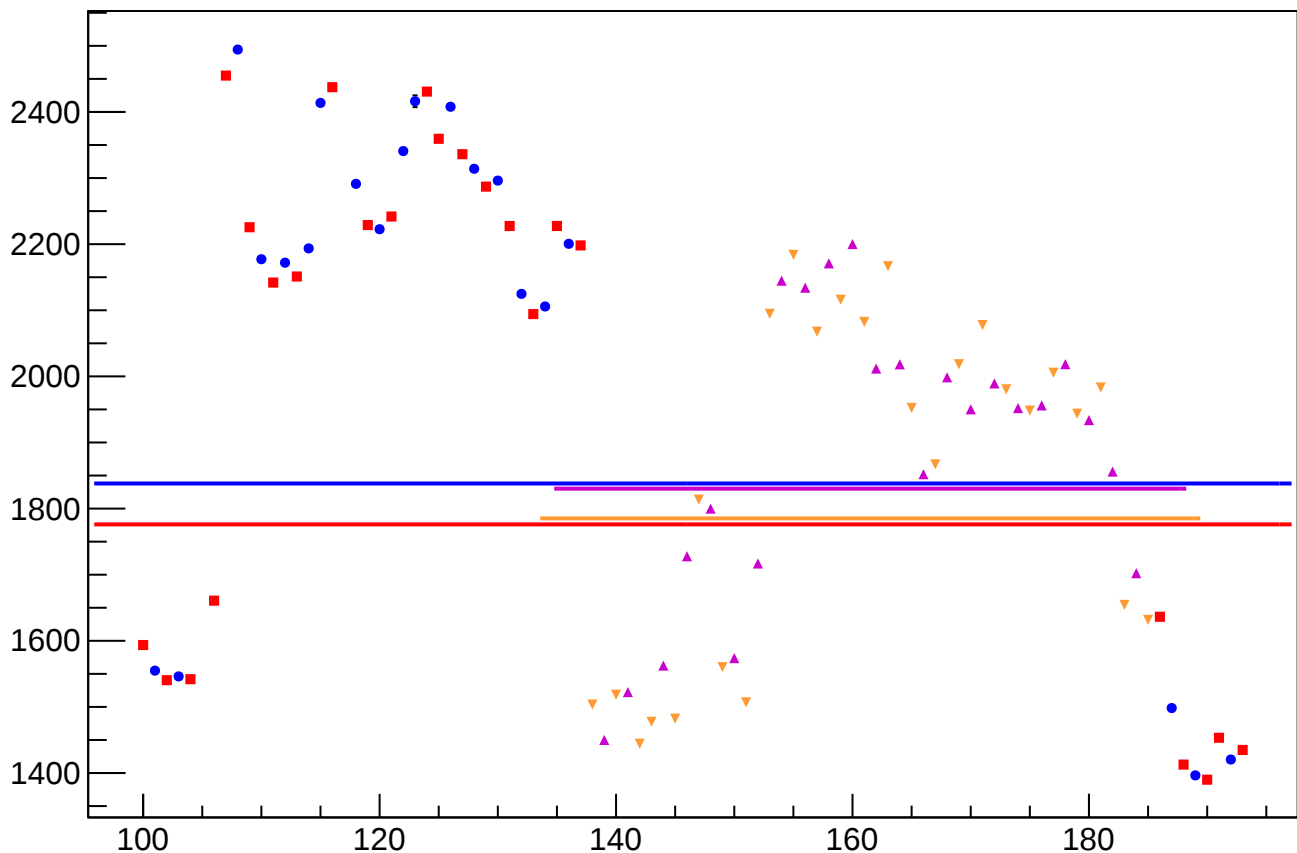
Left In: 4.657 ± 0.443 $\chi^2/\text{NDF}: 196.5/22$

+ sign 8.944 ± 0.354 $\chi^2/\text{NDF}: 1408.0/44$

All: 7.682 ± 0.250 $\chi^2/\text{NDF}: 3331.3/91$

- sign 6.428 ± 0.353 $\chi^2/\text{NDF}: 1897.9/46$

diff_bpm0l05Y_rms vs Slug



Right In: 1837.960 $\pm$ 0.463 χ^2 /NDF: 755072.5/19

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

Right Out: 1776.087 $\pm$ 0.412 χ^2 /NDF: 855651.9/23

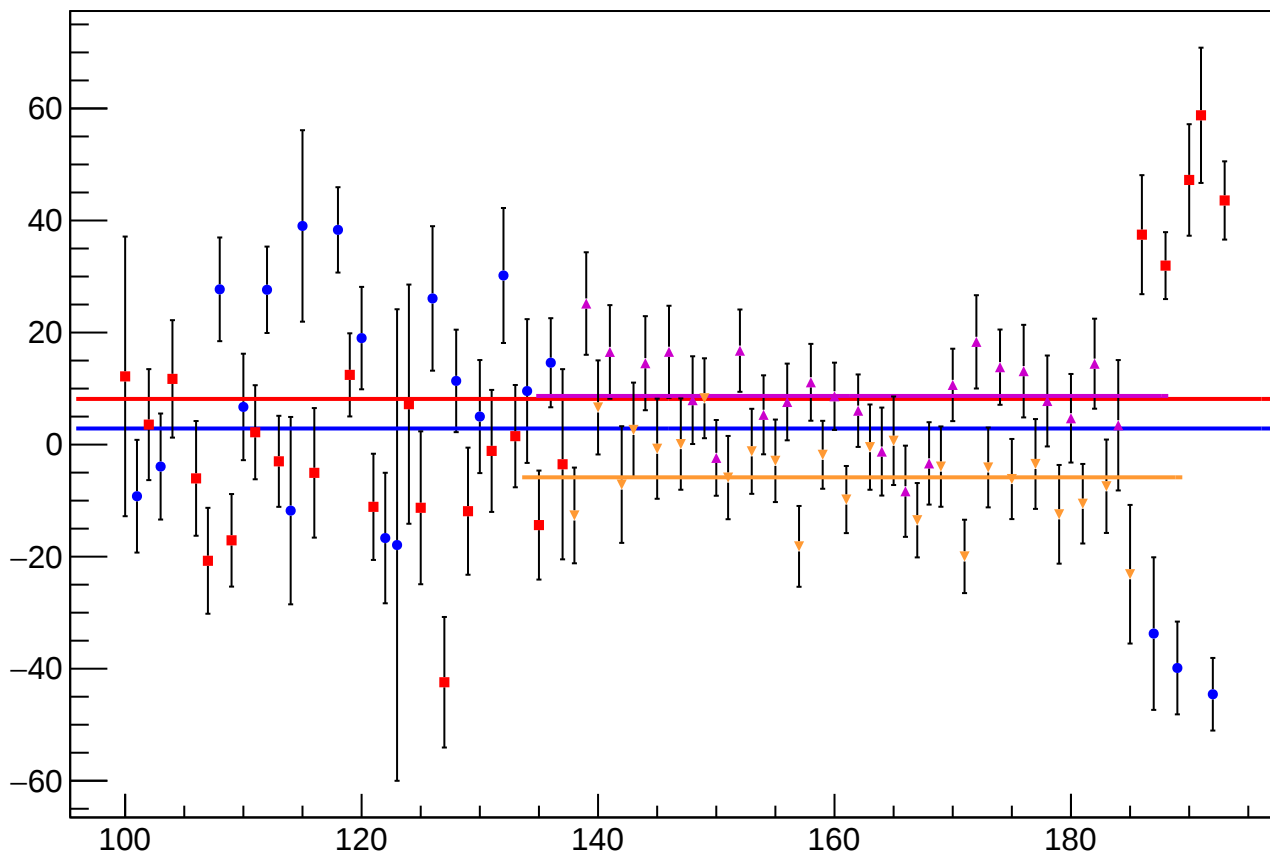
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

+ sign 1800.610 $\pm$ 0.250 χ^2 /NDF: 1514904.6/44

All: 1805.488 $\pm$ 0.177 χ^2 /NDF: 2890613.2/91

- sign 1810.337 $\pm$ 0.249 χ^2 /NDF: 1374950.8/46

diff_bpm0l06X_mean vs Slug



Right In: 2.874 ± 2.208 χ^2/NDF : 151.9/19

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

Right Out: 8.151 ± 1.984 χ^2/NDF : 142.4/23

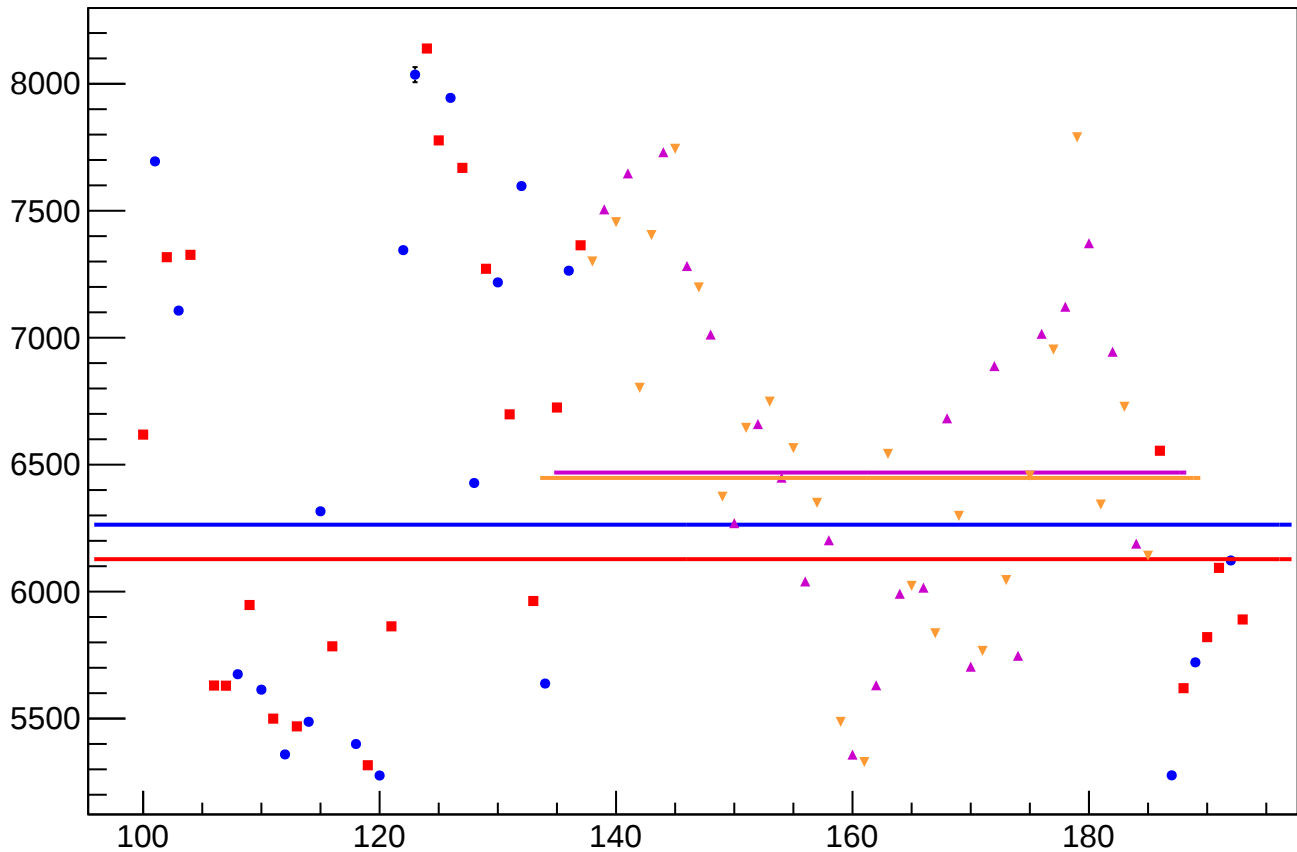
Left In: 8.683 ± 1.571 χ^2/NDF : 21.9/22

+ sign -3.043 ± 1.251 χ^2/NDF : 185.8/44

All: 2.808 ± 0.878 χ^2/NDF : 393.3/91

- sign 8.478 ± 1.232 χ^2/NDF : 164.4/46

diff_bpm0l06X_rms vs Slug



Right In: 6263.546 $\pm$ 1.561 χ^2 /NDF: 309006.2/19

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

Right Out: 6127.732 $\pm$ 1.403 χ^2 /NDF: 267128.2/23

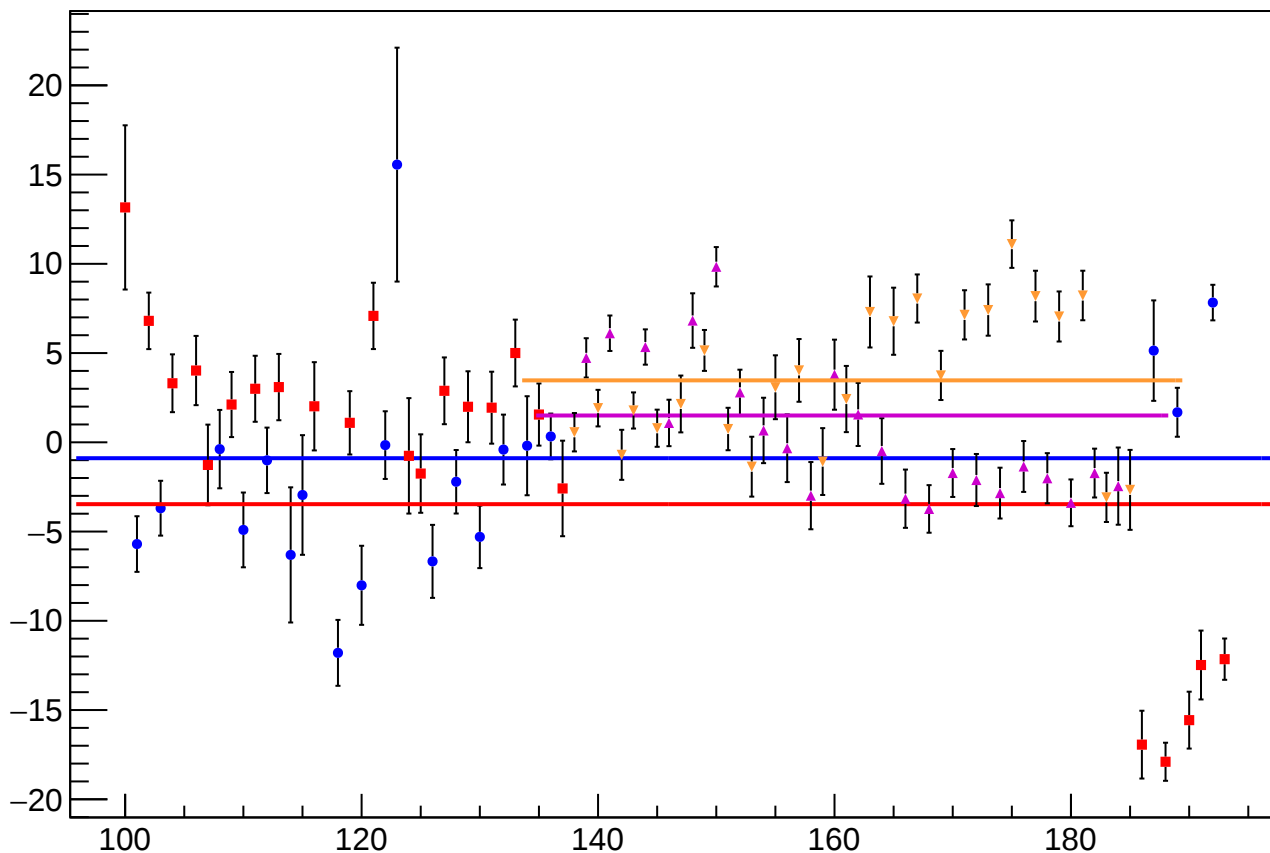
Left In: 6468.902 $\pm$ 1.111 χ^2 /NDF: 383325.4/22

+ sign 6388.588 $\pm$ 0.885 χ^2 /NDF: 690124.3/44

All: 6362.645 $\pm$ 0.621 χ^2 /NDF: 1378617.9/91

- sign 6337.506 $\pm$ 0.871 χ^2 /NDF: 686800.2/46

diff_bpm0l06Y_mean vs Slug



Right In: -0.890 ± 0.406 χ^2/NDF : 171.3/19

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

Right Out: -3.466 ± 0.369 χ^2/NDF : 591.9/23

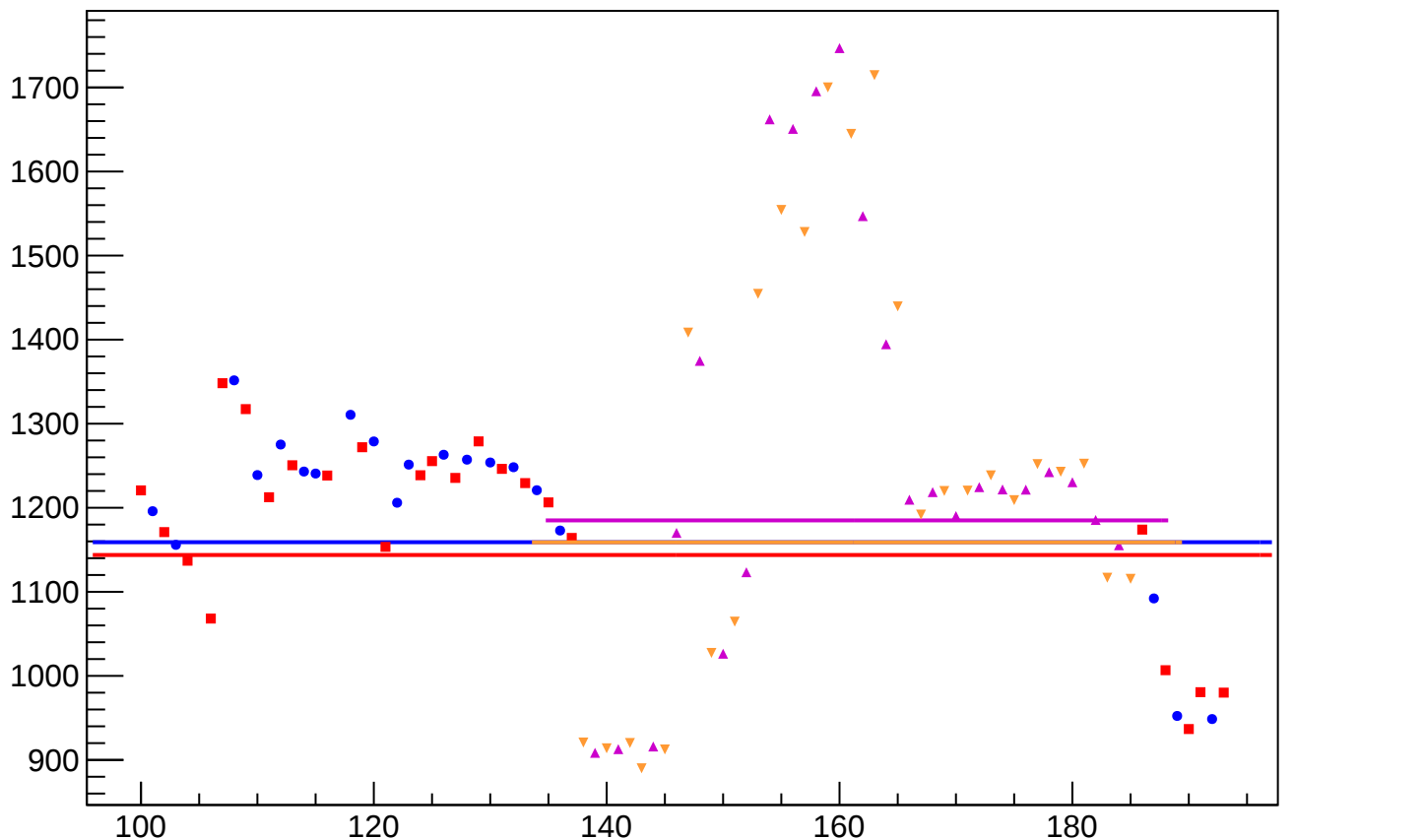
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.089 ± 0.228 χ^2/NDF : 426.2/44

All: 0.843 ± 0.161 χ^2/NDF : 1392.2/91

- sign -0.401 ± 0.228 χ^2/NDF : 906.6/46

diff_bpm0l06Y_rms vs Slug



Right In: 1159.029 $\pm$ 0.287 χ^2 /NDF: 208828.2/19

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

Right Out: 1143.796 $\pm$ 0.261 χ^2 /NDF: 216132.1/23

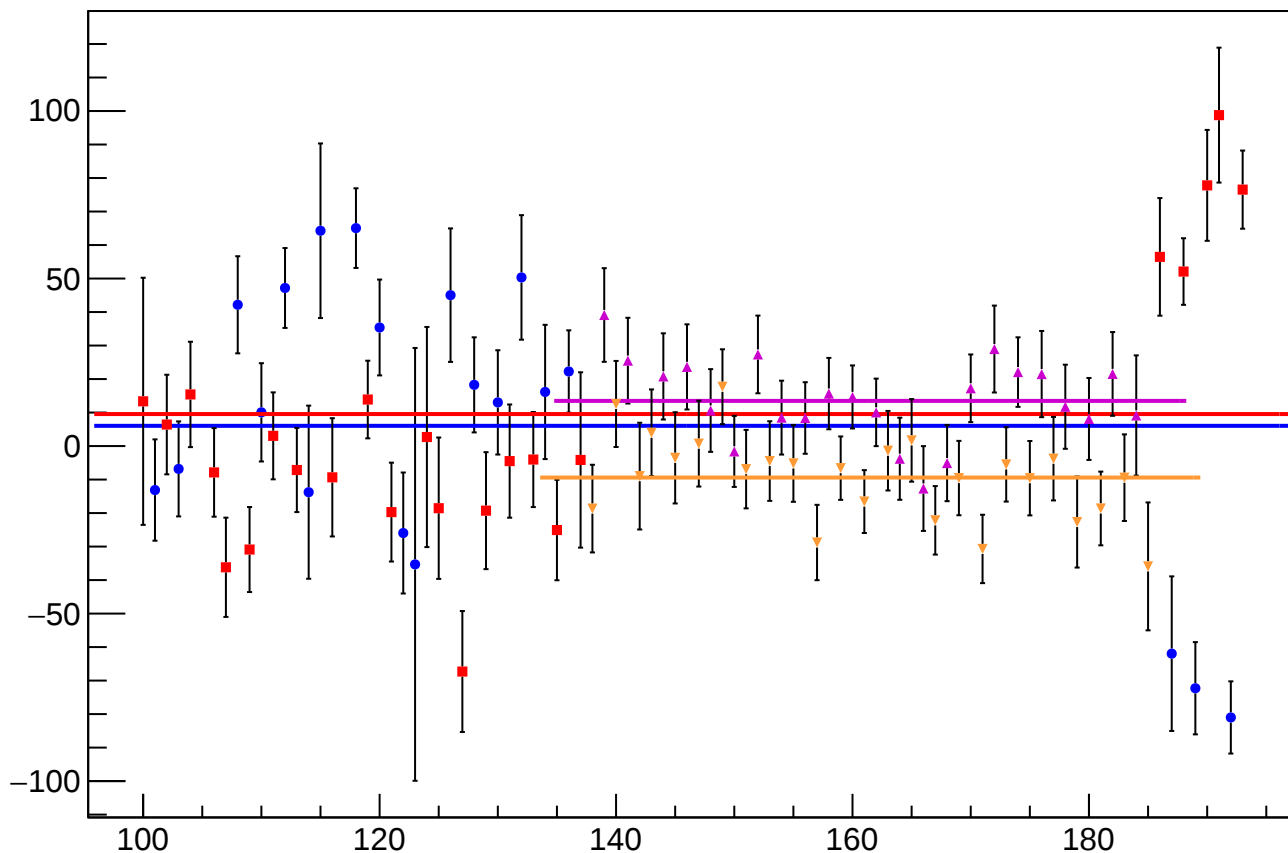
Left In: 1184.966 $\pm$ 0.206 χ^2 /NDF: 1190431.5/22

+ sign 1158.937 $\pm$ 0.162 χ^2 /NDF: 1619251.9/44

All: 1164.069 $\pm$ 0.114 χ^2 /NDF: 3043206.9/91

- sign 1169.195 $\pm$ 0.161 χ^2 /NDF: 1421937.2/46

diff_bpm0l07X_mean vs Slug



Right In: 6.040 ± 3.462 χ^2/NDF : 177.4/19

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

Right Out: 9.554 ± 3.100 χ^2/NDF : 153.9/23

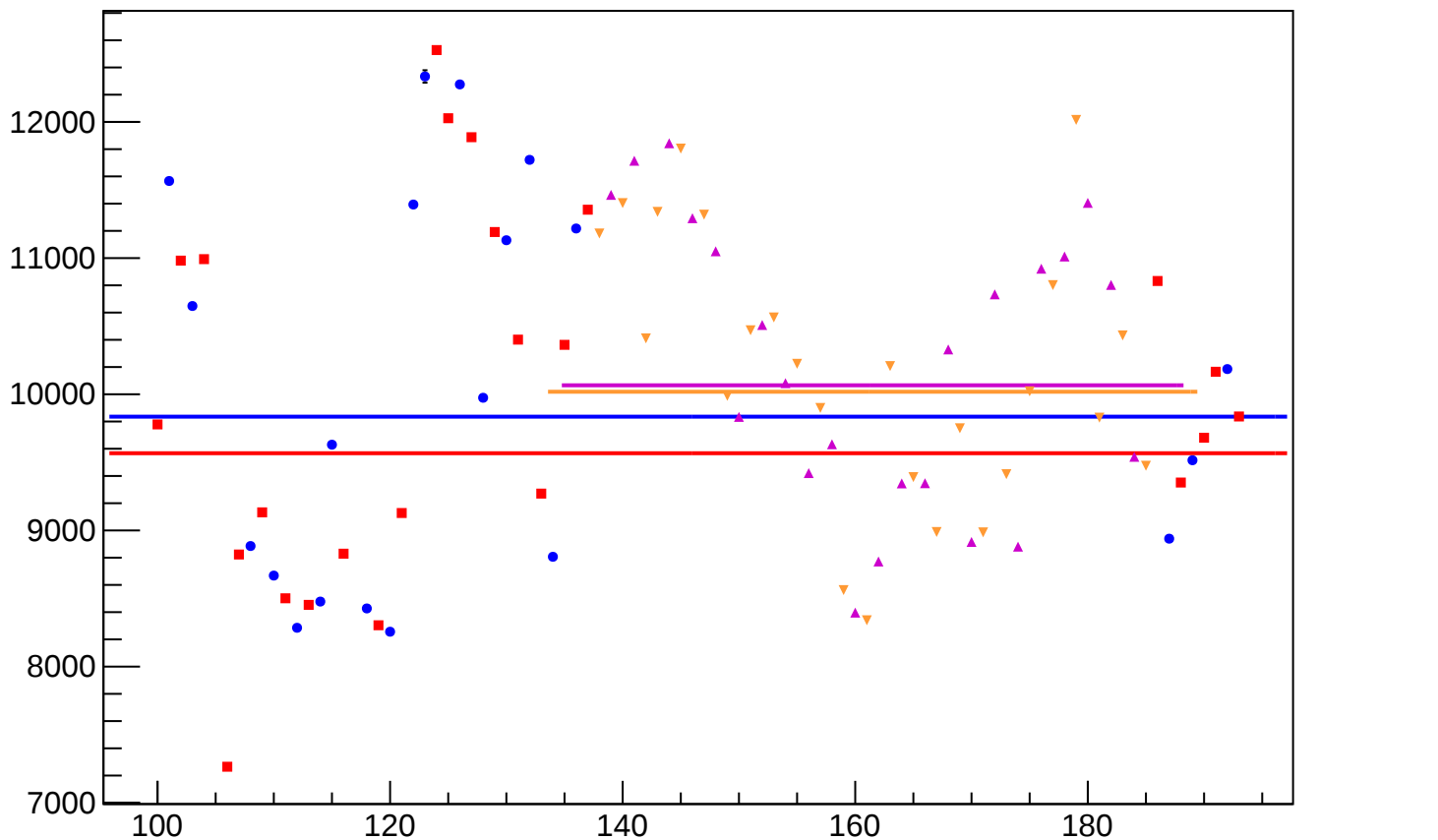
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign -4.504 ± 1.949 χ^2/NDF : 217.2/44

All: 3.868 ± 1.367 χ^2/NDF : 430.0/91

- sign 11.979 ± 1.919 χ^2/NDF : 176.4/46

diff_bpm0l07X_rms vs Slug



Right In: 9835.598 $\pm$ 2.448 χ^2 /NDF: 265312.6/19

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

Right Out: 9567.081 $\pm$ 2.192 χ^2 /NDF: 289706.9/23

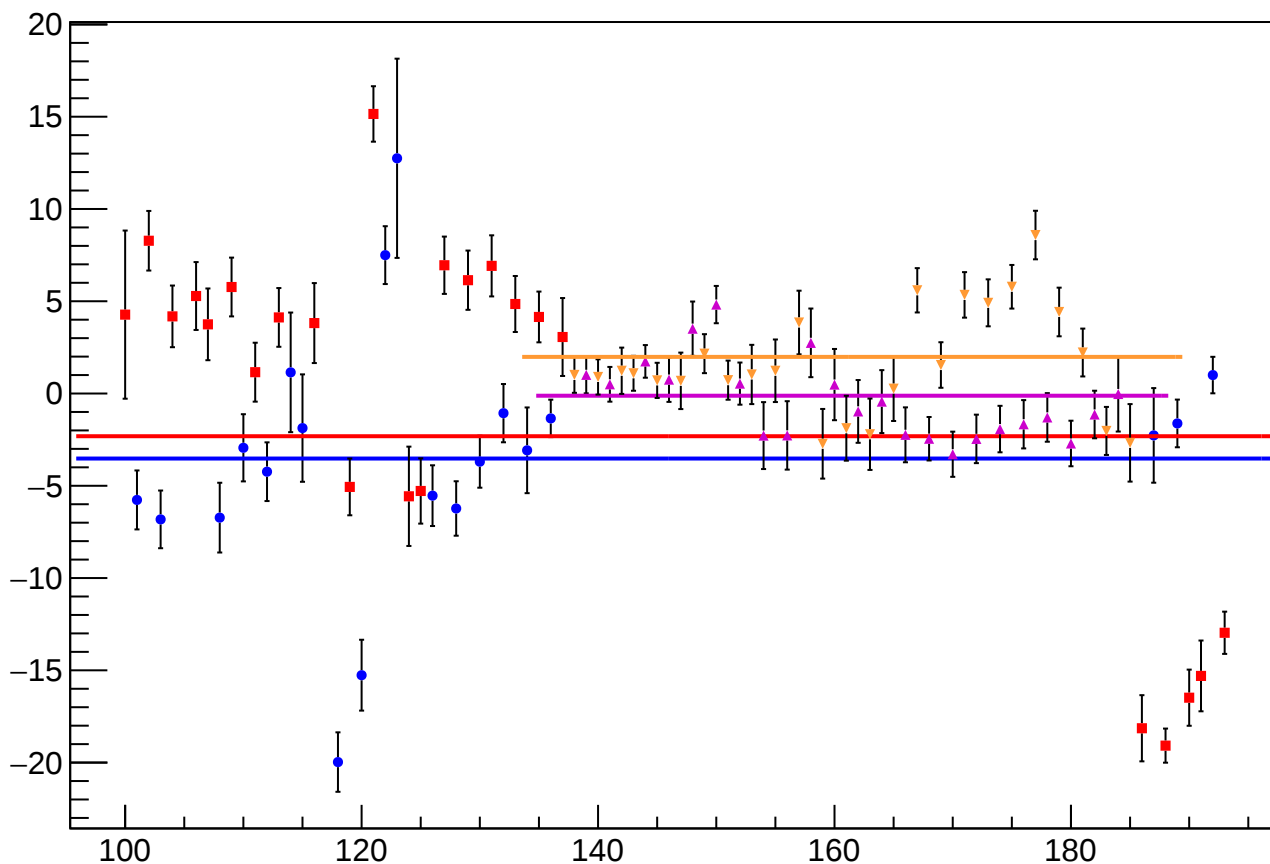
Left In: 10065.909 $\pm$ 1.727 χ^2 /NDF: 357868.9/22

+ sign 9960.564 $\pm$ 1.378 χ^2 /NDF: 613662.7/44

All: 9917.002 $\pm$ 0.967 χ^2 /NDF: 1295157.1/91

- sign 9874.794 $\pm$ 1.357 χ^2 /NDF: 679527.5/46

diff_bpm0l07Y_mean vs Slug



Right In: -3.524 ± 0.359 $\chi^2/\text{NDF}: 247.4/19$

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

Right Out: -2.314 ± 0.327 $\chi^2/\text{NDF}: 1056.0/23$

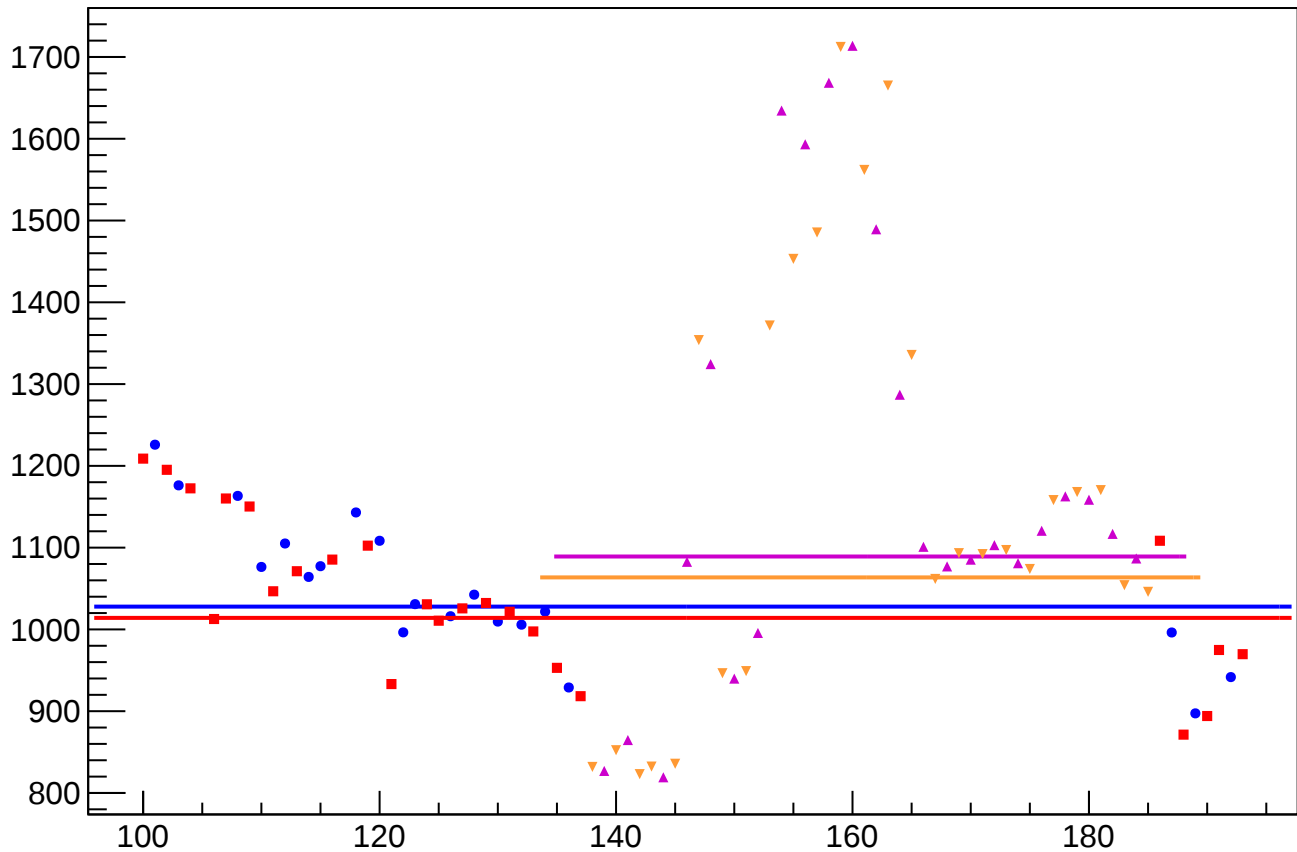
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

+ sign 0.140 ± 0.208 $\chi^2/\text{NDF}: 505.1/44$

All: -0.433 ± 0.147 $\chi^2/\text{NDF}: 1670.9/91$

- sign -1.005 ± 0.208 $\chi^2/\text{NDF}: 1150.5/46$

diff_bpm0l07Y_rms vs Slug



Right In: 1027.881 $\pm$ 0.254 χ^2 /NDF: 136460.7/19

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

Right Out: 1014.097 $\pm$ 0.231 χ^2 /NDF: 168996.1/23

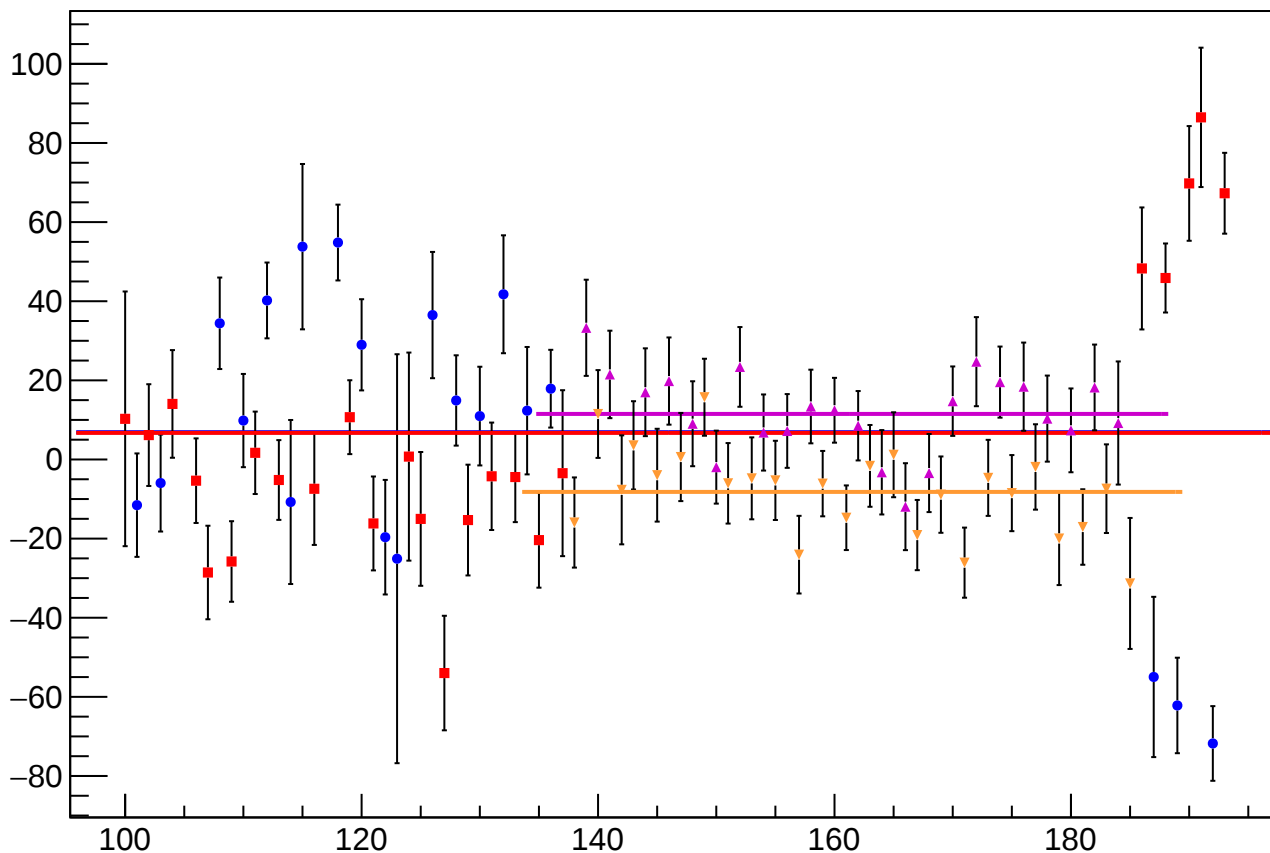
Left In: 1089.154 $\pm$ 0.190 χ^2 /NDF: 1430478.5/22

+ sign 1051.639 $\pm$ 0.147 χ^2 /NDF: 1766997.7/44

All: 1055.257 $\pm$ 0.104 χ^2 /NDF: 3430662.4/91

- sign 1058.865 $\pm$ 0.147 χ^2 /NDF: 1662453.9/46

diff_bpm0l08X_mean vs Slug



Right In: 6.897 ± 2.845 χ^2/NDF : 181.6/19

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

Right Out: 6.725 ± 2.560 χ^2/NDF : 157.9/23

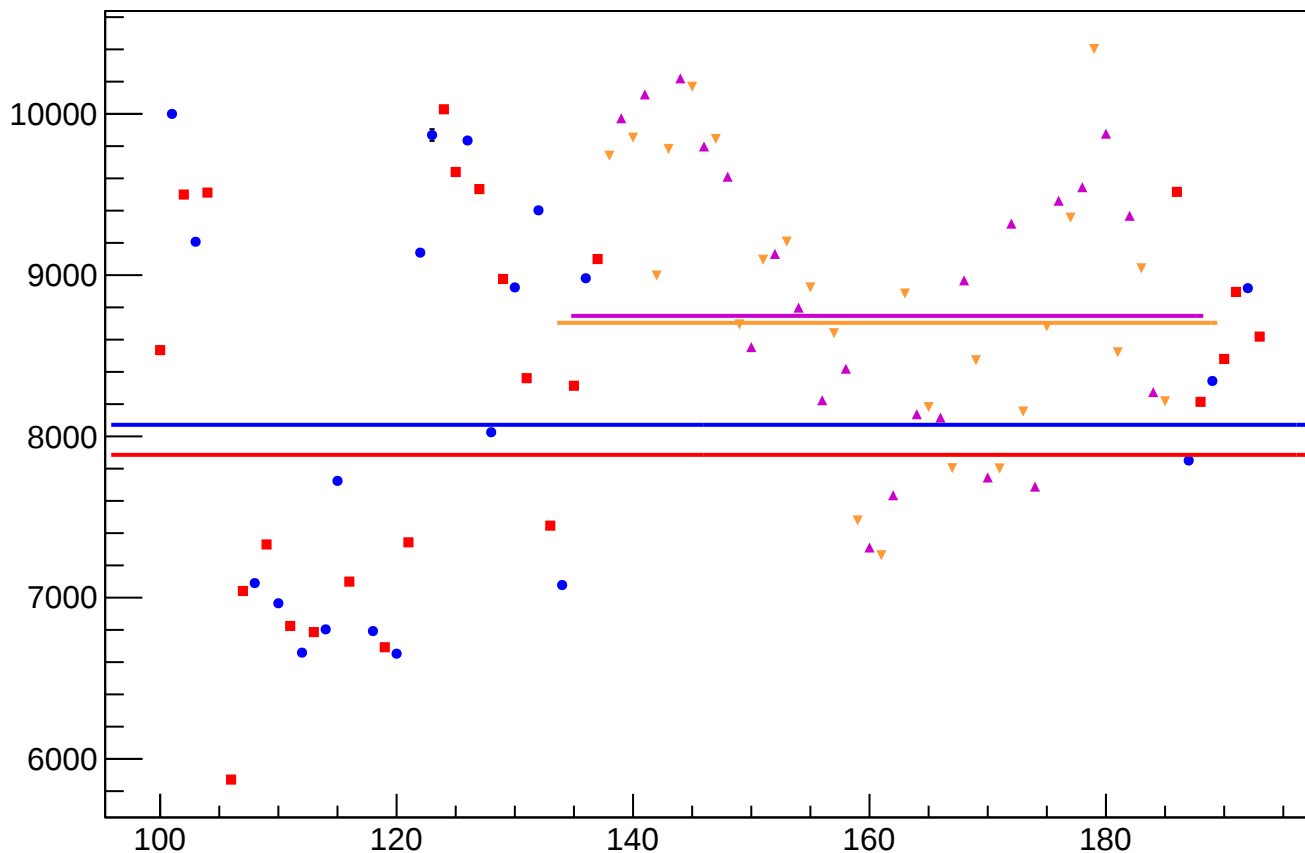
Left In: 11.515 ± 2.122 χ^2/NDF : 21.0/22

+ sign -3.042 ± 1.663 χ^2/NDF : 226.3/44

All: 3.371 ± 1.165 χ^2/NDF : 436.5/91

- sign 9.564 ± 1.634 χ^2/NDF : 181.0/46

diff_bpm0l08X_rms vs Slug



Right In: 8071.742 $\pm$ 2.012 χ^2 /NDF: 315330.5/19

Left Out: 8704.193 $\pm$ 1.449 χ^2 /NDF:332364.3/24

Right Out: 7885.499 $\pm$ 1.810 χ^2 /NDF: 368534.2/23

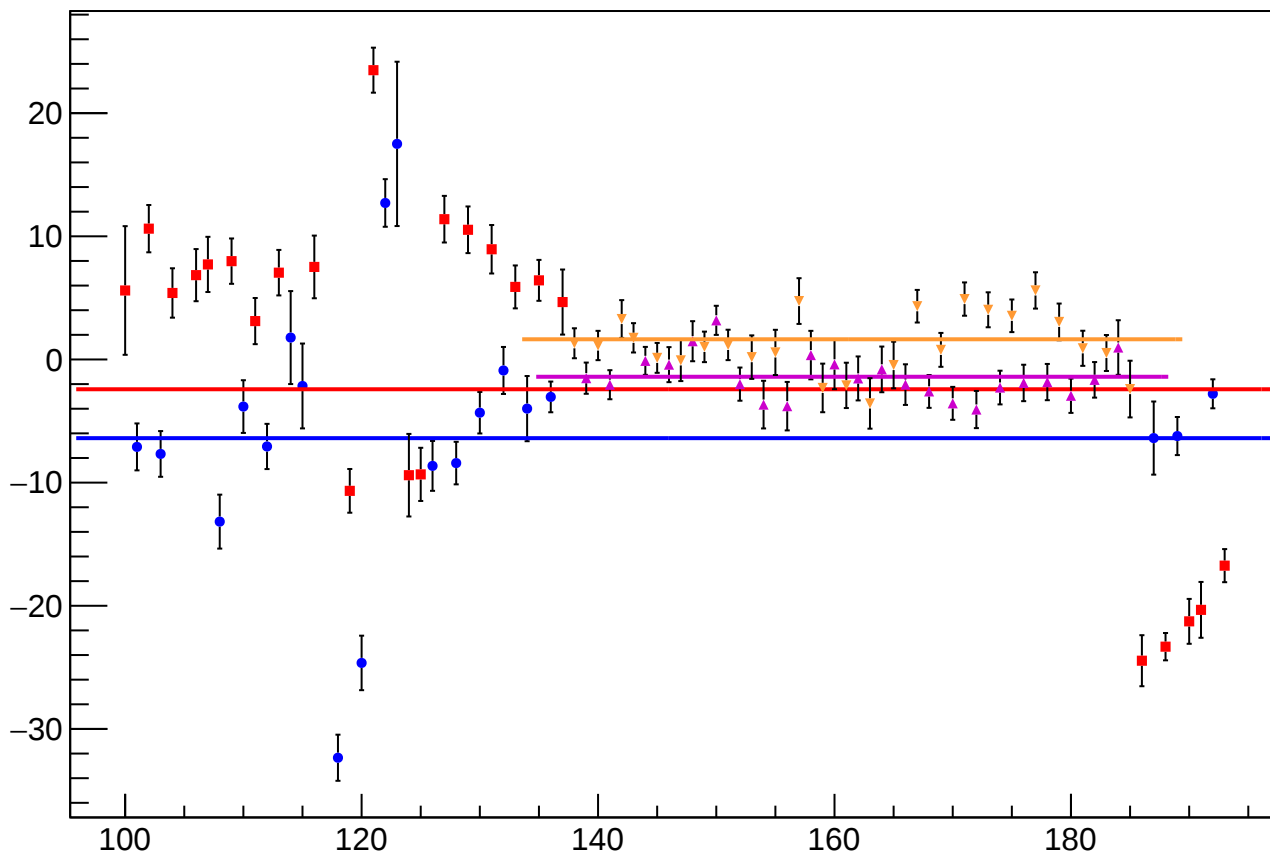
Left In: 8747.415 $\pm$ 1.501 χ^2 /NDF:347110.4/22

+ sign 8488.251 $\pm$ 1.176 χ^2 /NDF: 712776.5/44

All: 8441.480 $\pm$ 0.824 χ^2 /NDF: 1565902.2/91

- sign 8396.309 $\pm$ 1.155 χ^2 /NDF: 850014.0/46

diff_bpm0l08Y_mean vs Slug



Right In: -6.389 ± 0.428 $\chi^2/\text{NDF}: 418.3/19$

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

Right Out: -2.419 ± 0.387 $\chi^2/\text{NDF}: 1365.1/23$

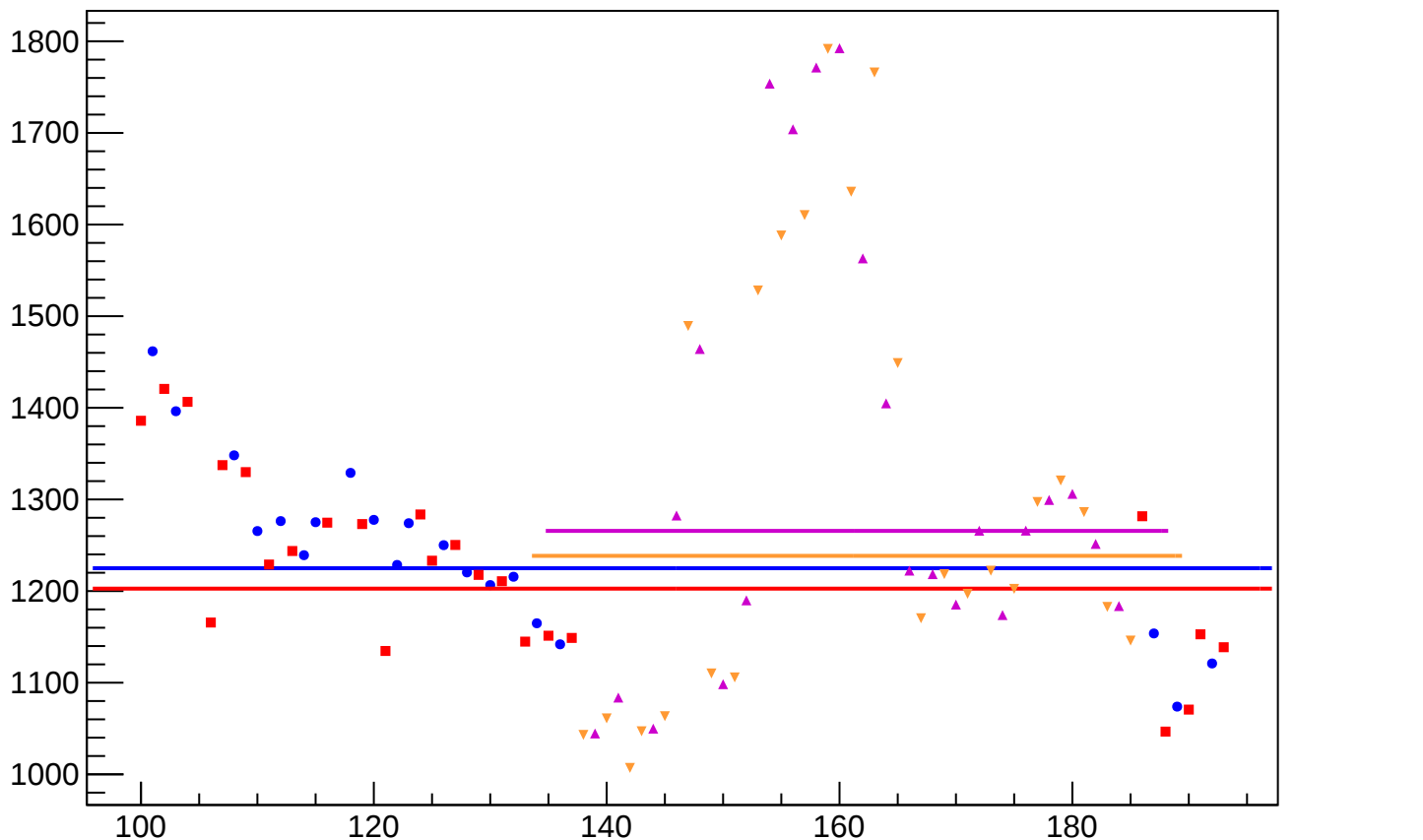
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -0.933 ± 0.242 $\chi^2/\text{NDF}: 709.2/44$

All: -1.367 ± 0.171 $\chi^2/\text{NDF}: 2119.1/91$

- sign -1.799 ± 0.242 $\chi^2/\text{NDF}: 1403.5/46$

diff_bpm0l08Y_rms vs Slug



Right In: 1224.933+/-0.302 χ^2/NDF : 110746.5/19

Left Out: 1238.437+/-0.208 χ^2/NDF : 965173.0/24

Right Out: 1202.659+/-0.274 χ^2/NDF : 141584.9/23

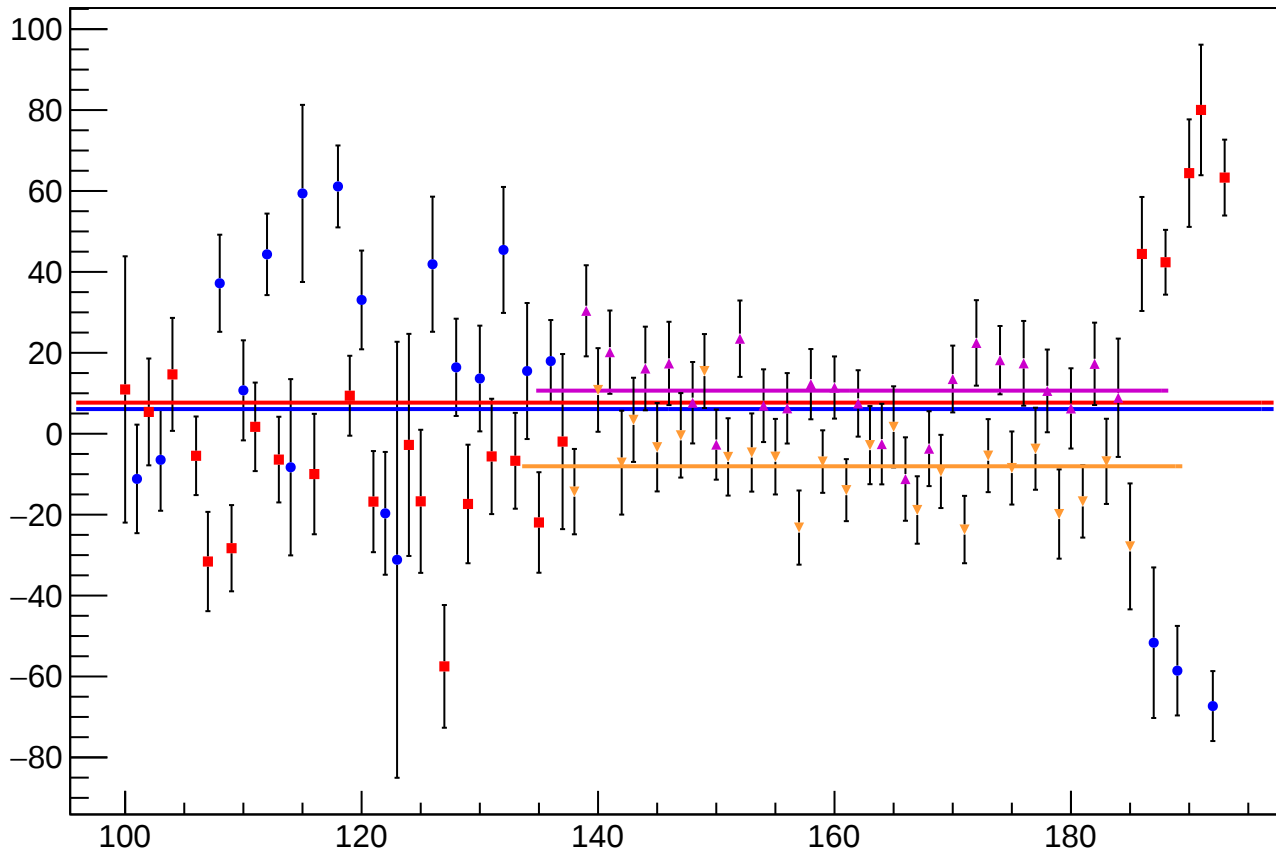
Left In: 1265.673+/-0.218 χ^2/NDF : 845157.0/22

+ sign 1234.111+/-0.171 χ^2/NDF : 1077274.9/44

All: 1237.641+/-0.121 χ^2/NDF : 2097231.5/91

- sign 1241.156+/-0.171 χ^2/NDF : 1019107.6/46

diff_bpm0l09X_mean vs Slug



Right In: 6.096 ± 2.902 χ^2/NDF : 197.7/19

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

Right Out: 7.687 ± 2.565 χ^2/NDF : 161.9/23

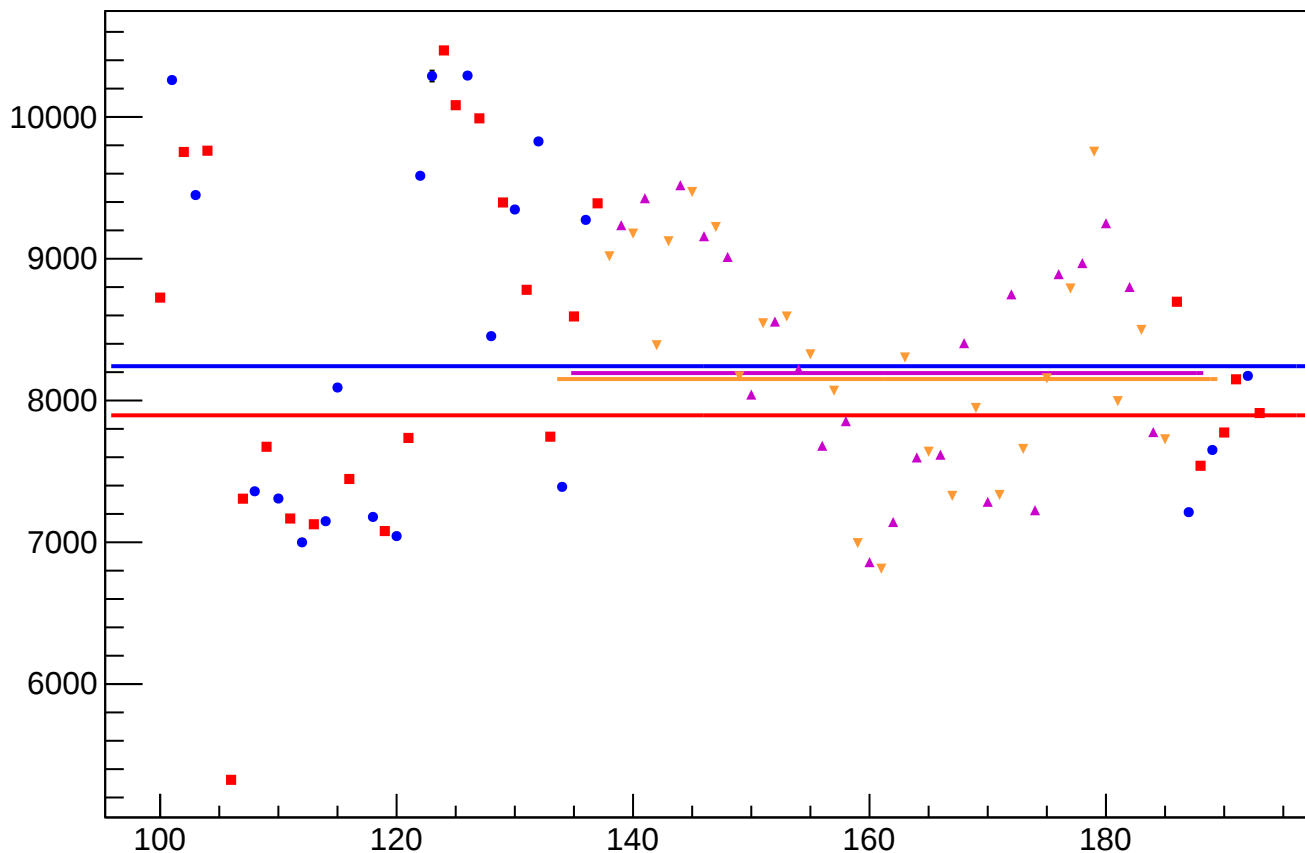
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

+ sign -3.744 ± 1.600 χ^2/NDF : 240.5/44

All: 3.020 ± 1.121 χ^2/NDF : 459.7/91

- sign 9.540 ± 1.571 χ^2/NDF : 184.1/46

diff_bpm0l09X_rms vs Slug



Right In: 8242.073+/-2.052 χ^2/NDF : 284924.4/19

Left Out: 8151.489+/-1.356 χ^2/NDF : 321803.3/24

Right Out: 7895.553+/-1.814 χ^2/NDF : 399697.4/23

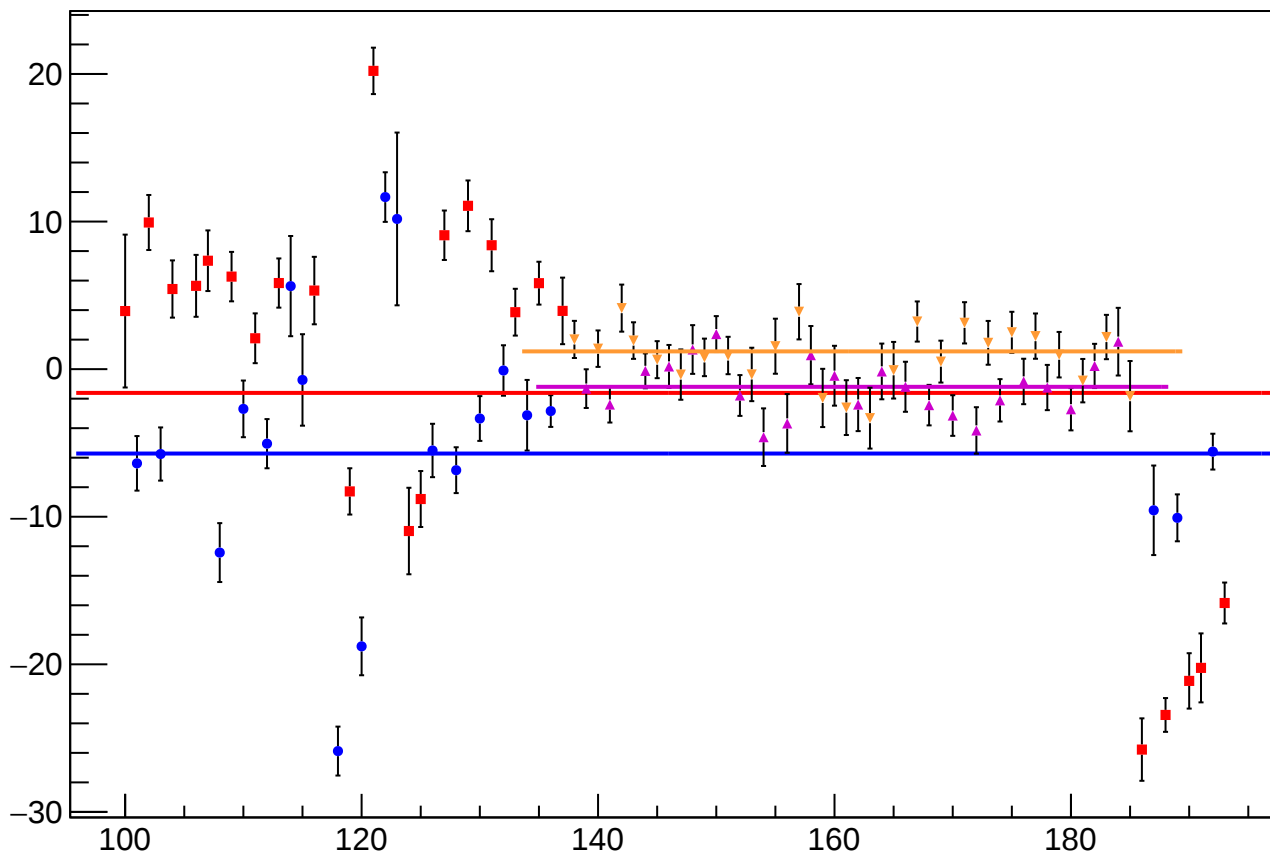
Left In: 8193.636+/-1.405 χ^2/NDF : 338377.6/22

+ sign 8179.031+/-1.132 χ^2/NDF : 608083.9/44

All: 8129.528+/-0.793 χ^2/NDF : 1366794.2/91

- sign 8081.808+/-1.111 χ^2/NDF : 754951.2/46

diff_bpm0l09Y_mean vs Slug



Right In: -5.718 ± 0.395 χ^2/NDF : 365.8/19

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

Right Out: -1.609 ± 0.363 χ^2/NDF : 1317.6/23

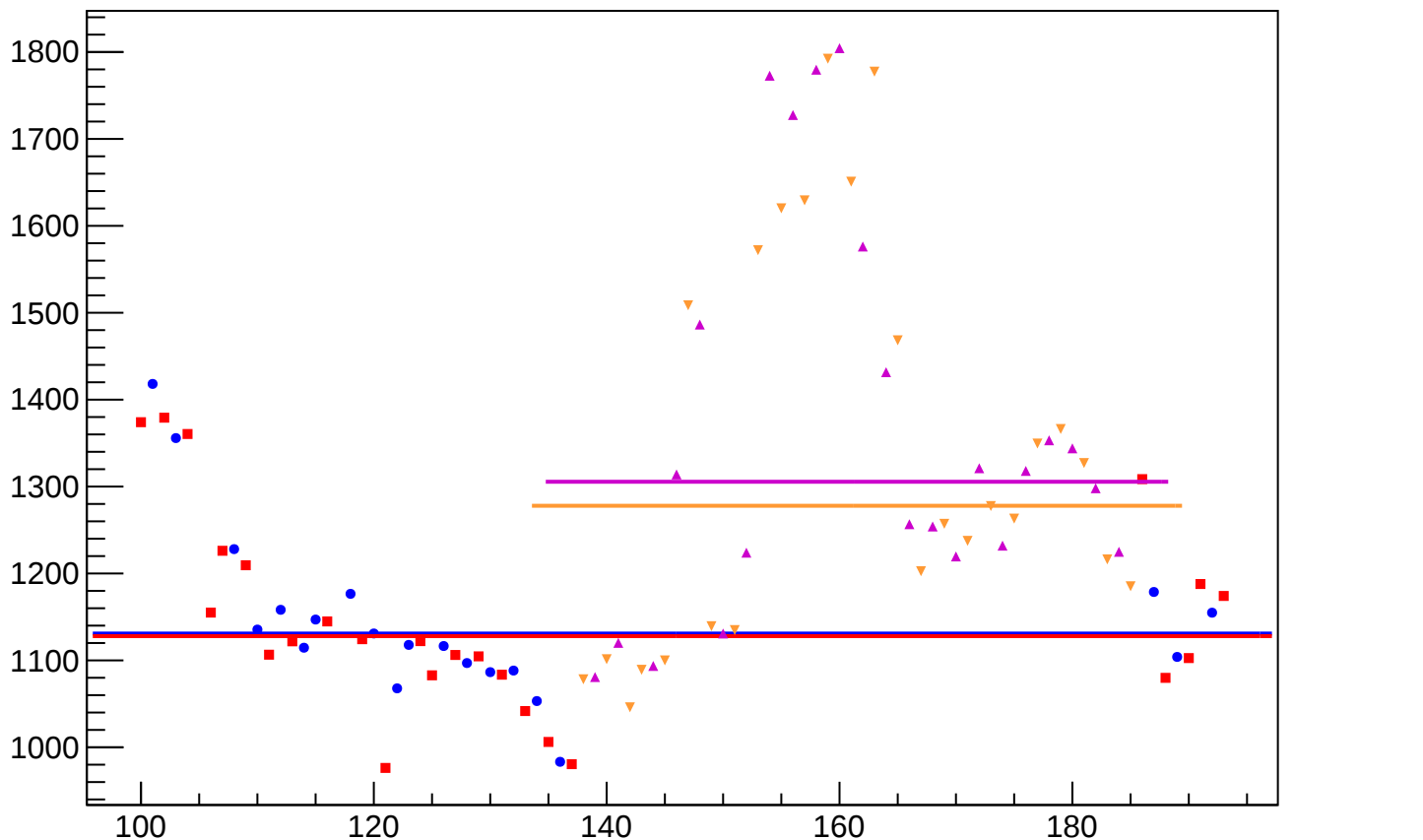
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -1.354 ± 0.240 χ^2/NDF : 589.2/44

All: -1.365 ± 0.170 χ^2/NDF : 1938.7/91

- sign -1.376 ± 0.239 χ^2/NDF : 1349.5/46

diff_bpm0l09Y_rms vs Slug



Right In: 1130.880 $\pm$ 0.279 χ^2 /NDF: 134976.0/19

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

Right Out: 1127.935 $\pm$ 0.257 χ^2 /NDF: 151964.1/23

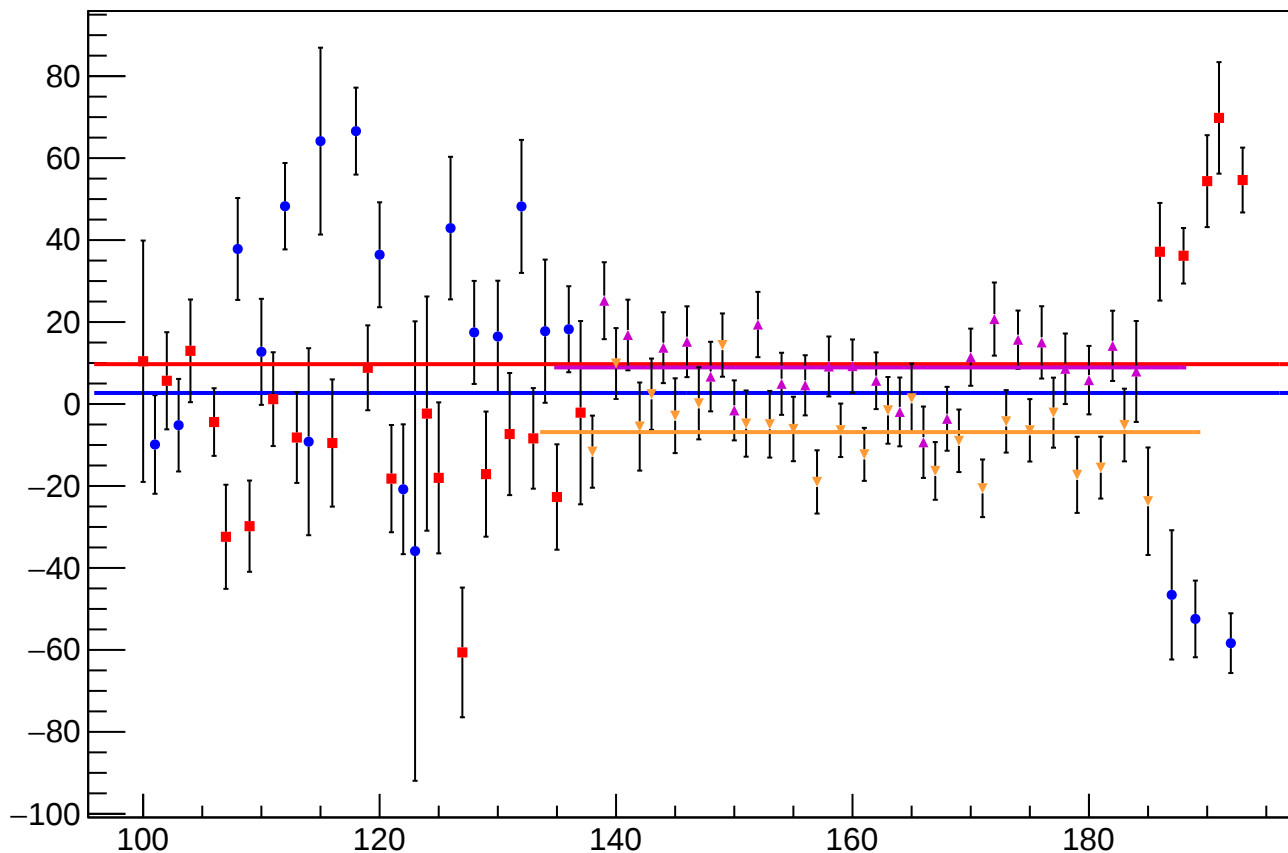
Left In: 1305.541 $\pm$ 0.225 χ^2 /NDF: 760450.8/22

+ sign 1223.598 $\pm$ 0.170 χ^2 /NDF: 1187734.7/44

All: 1226.026 $\pm$ 0.120 χ^2 /NDF: 2371144.0/91

- sign 1228.437 $\pm$ 0.169 χ^2 /NDF: 1183001.9/46

diff_bpm0l10X_mean vs Slug



Right In: 2.695 ± 2.831 χ^2/NDF : 215.4/19

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

Right Out: 9.725 ± 2.436 χ^2/NDF : 159.5/23

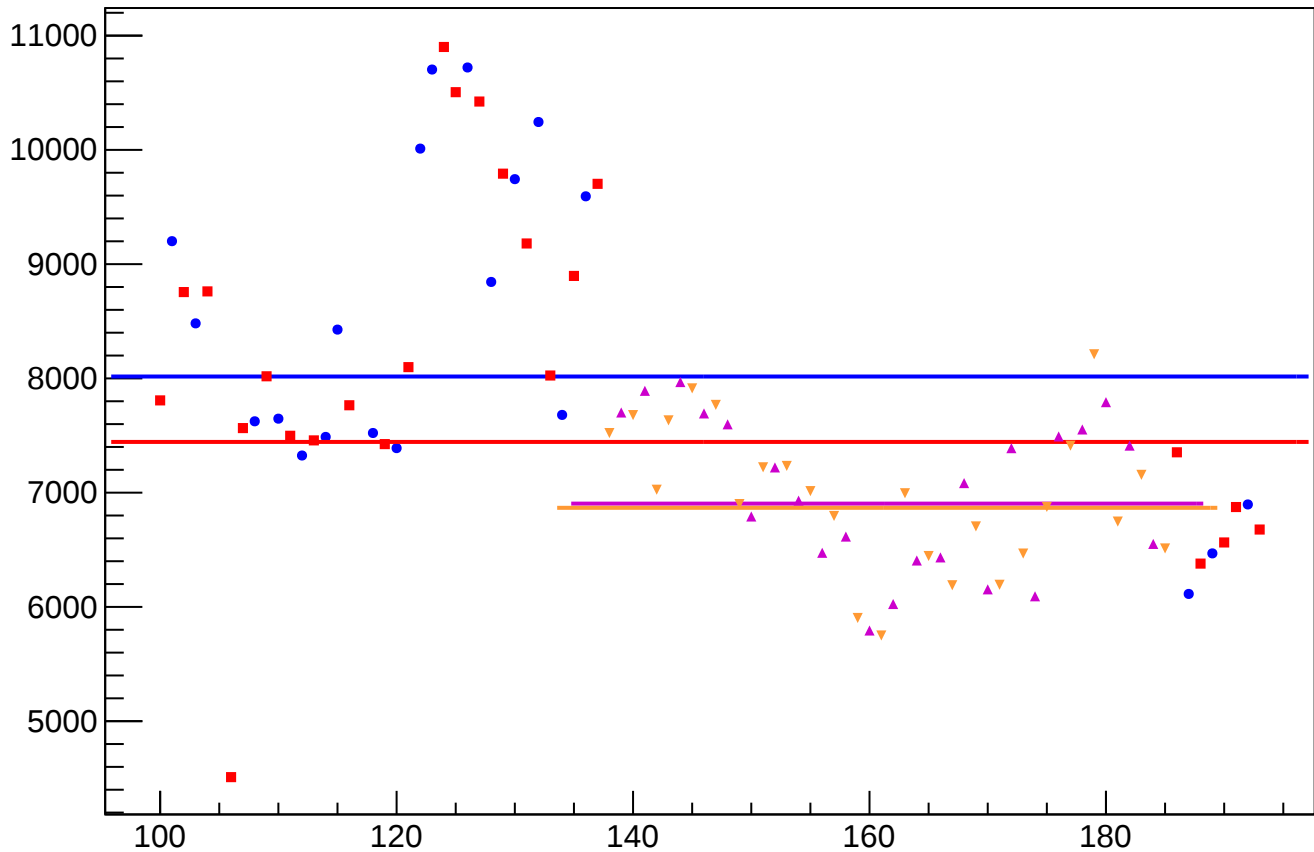
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -4.509 ± 1.403 χ^2/NDF : 252.7/44

All: 2.450 ± 0.984 χ^2/NDF : 482.5/91

- sign 9.180 ± 1.380 χ^2/NDF : 181.4/46

diff_bpm0l10X_rms vs Slug



Right In: 8016.566 $\pm$ 2.002 χ^2 /NDF: 385984.8/19

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

Right Out: 7444.061 $\pm$ 1.723 χ^2 /NDF: 675590.6/23

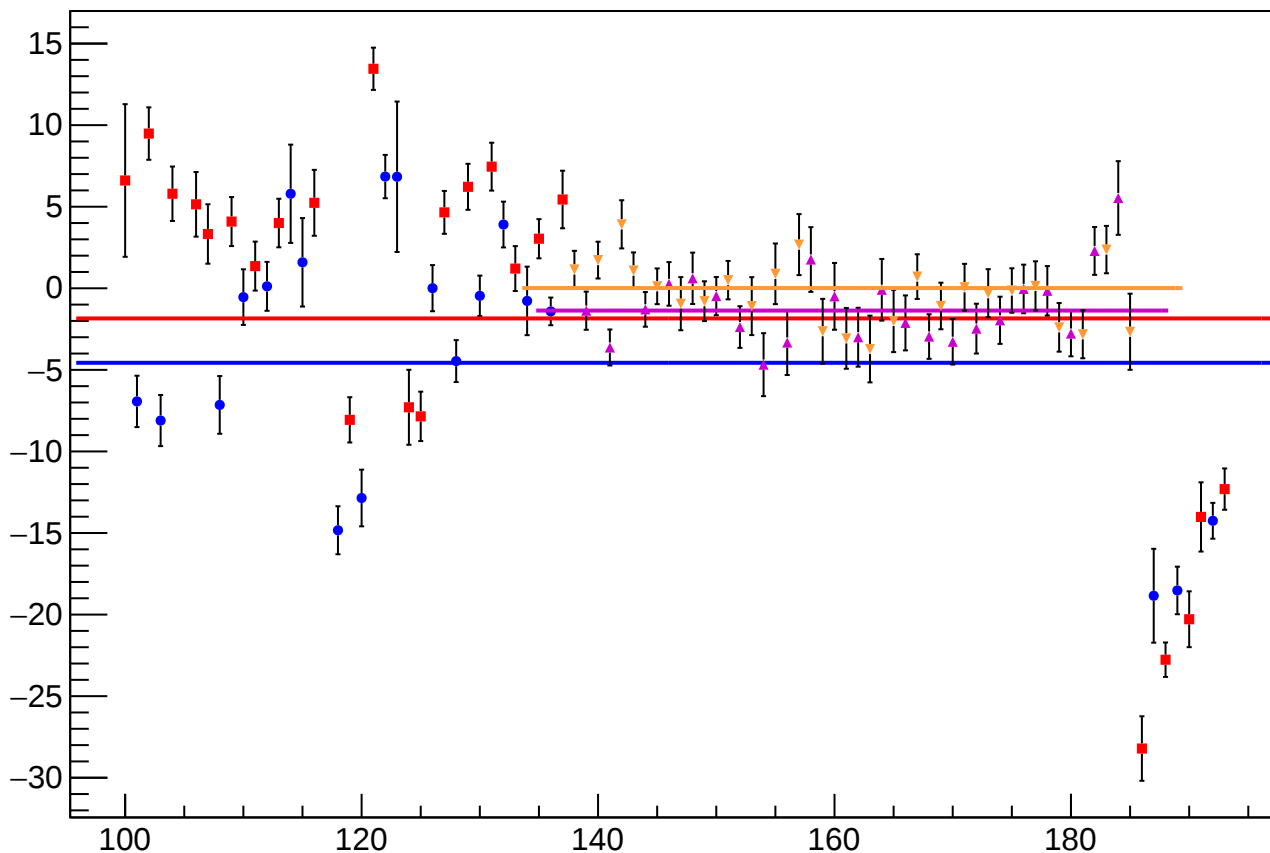
Left In: 6904.117 $\pm$ 1.184 χ^2 /NDF:325912.6/22

+ sign 7149.655 $\pm$ 0.992 χ^2 /NDF: 941465.4/44

All: 7112.892 $\pm$ 0.696 χ^2 /NDF: 2012397.5/91

- sign 7077.341 $\pm$ 0.976 χ^2 /NDF: 1068231.6/46

diff_bpm0l10Y_mean vs Slug



Right In: -4.567 ± 0.336 $\chi^2/\text{NDF}: 462.2/19$

Left Out: 0.014 ± 0.290 $\chi^2/\text{NDF}: 35.0/24$

Right Out: -1.847 ± 0.315 $\chi^2/\text{NDF}: 1247.3/23$

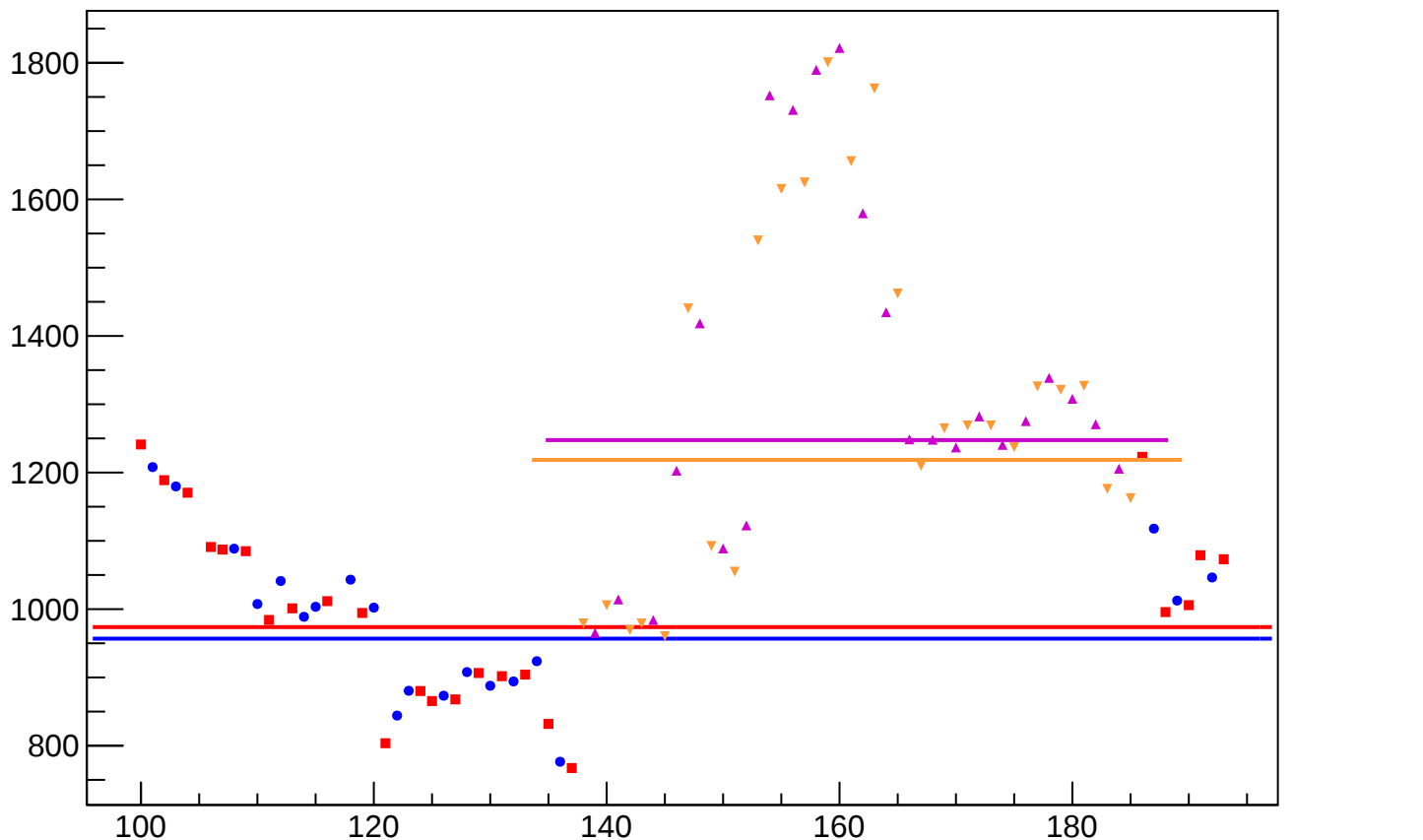
Left In: -1.365 ± 0.306 $\chi^2/\text{NDF}: 38.5/22$

+ sign -1.943 ± 0.219 $\chi^2/\text{NDF}: 603.8/44$

All: -1.771 ± 0.155 $\chi^2/\text{NDF}: 1892.1/91$

- sign -1.599 ± 0.219 $\chi^2/\text{NDF}: 1287.0/46$

diff_bpm0l10Y_rms vs Slug



Right In: 956.807 $\pm$ 0.237 χ^2 /NDF: 268037.0/19

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

Right Out: 973.721 $\pm$ 0.222 χ^2 /NDF: 279225.1/23

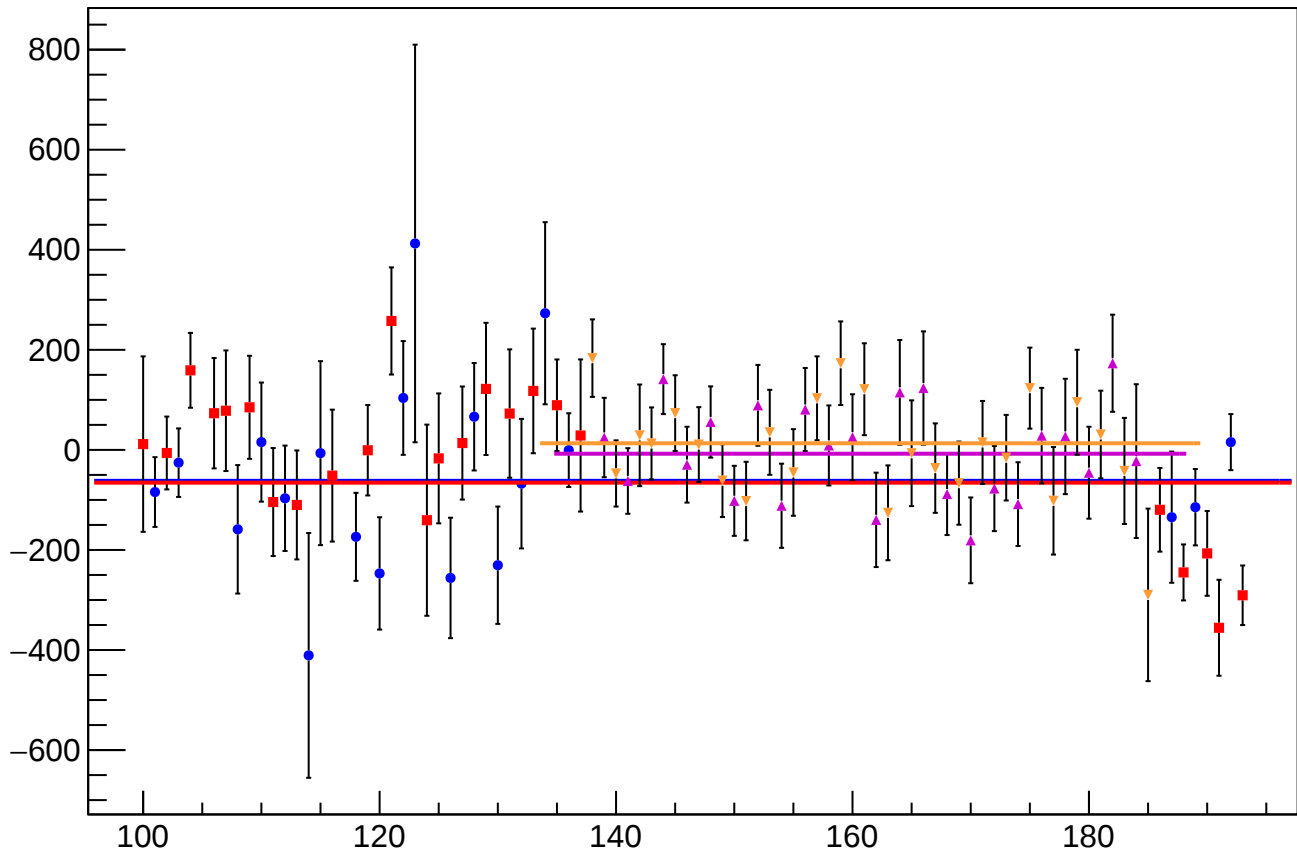
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1106.707 $\pm$ 0.155 χ^2 /NDF: 2230353.5/44

All: 1110.680 $\pm$ 0.110 χ^2 /NDF: 4364061.1/91

- sign 1114.644 $\pm$ 0.155 χ^2 /NDF: 2132397.5/46

diff_bpm0r03X_mean vs Slug



Right In: -61.869 ± 22.194 χ^2/NDF : 24.4/19

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

Right Out: -65.485 ± 19.667 χ^2/NDF : 71.2/23

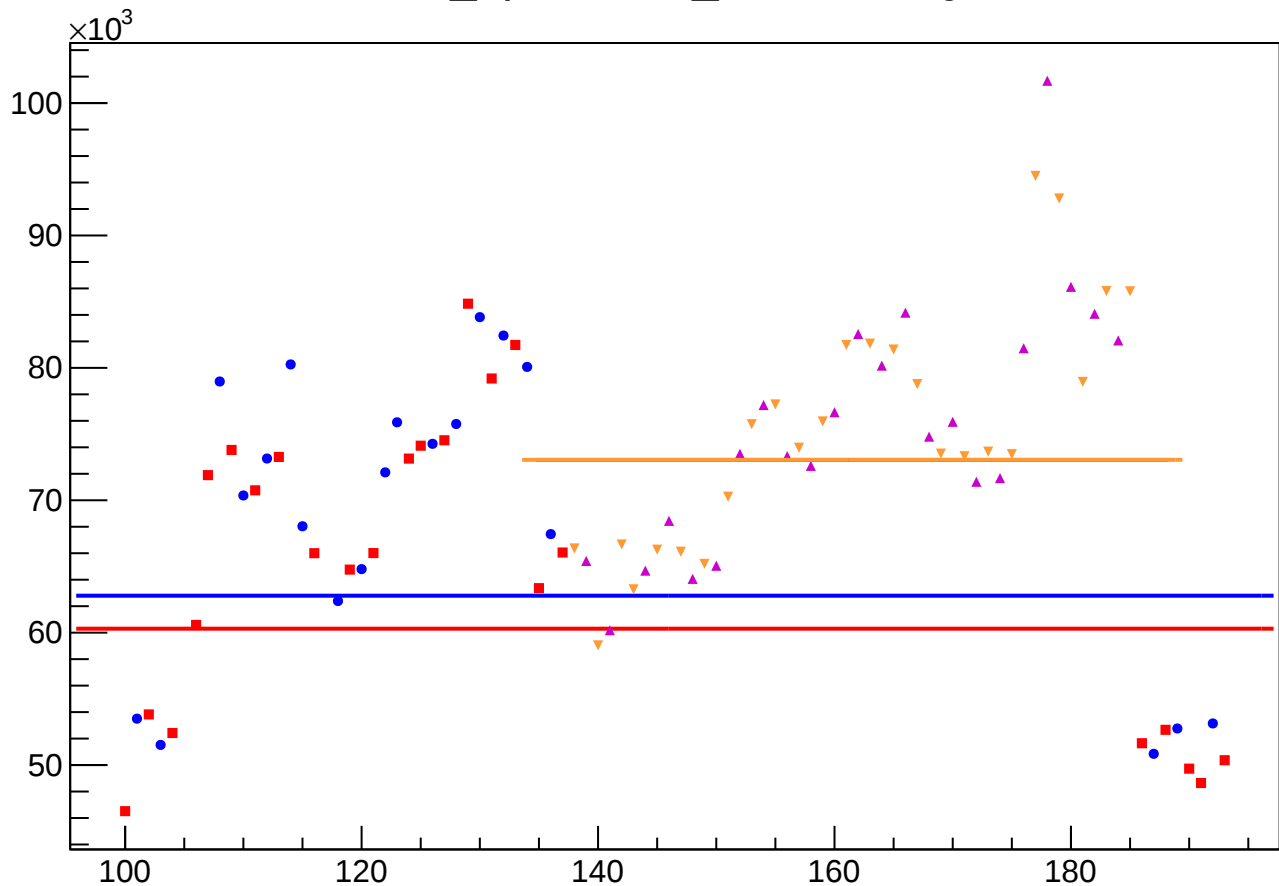
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign -14.854 ± 13.569 χ^2/NDF : 58.3/44

All: -24.456 ± 9.441 χ^2/NDF : 163.4/91

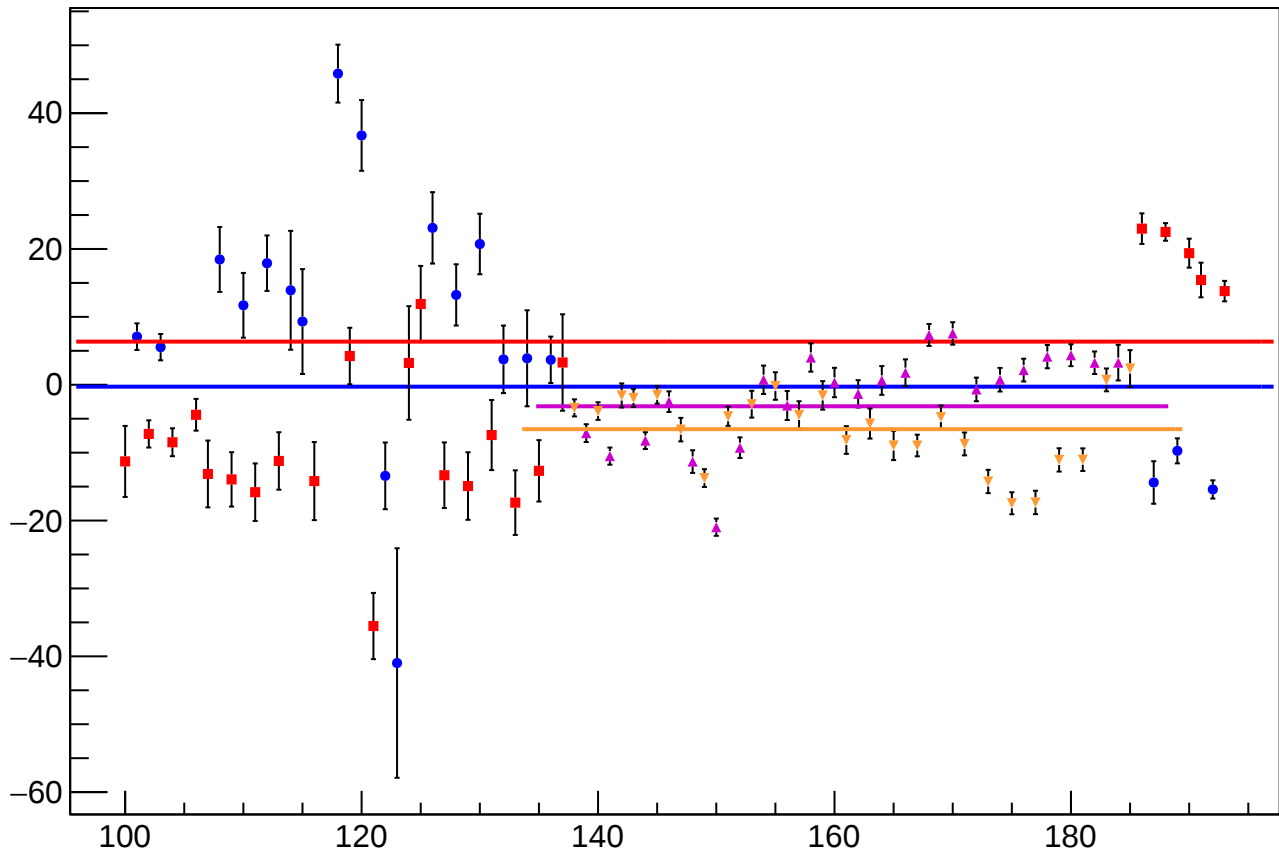
- sign -33.467 ± 13.145 χ^2/NDF : 104.1/46

diff_bpm0r03X_rms vs Slug



Right In: 62792.135+/-15.694	χ^2/NDF : 471293.0/19	+ sign 69218.739+/-9.594	χ^2/NDF : 1212125.1/44
Left Out: 73054.401+/-12.124	χ^2/NDF : 473050.9/24	All: 68255.943+/-6.676	χ^2/NDF : 2739809.3/5
Right Out: 60300.616+/-13.907	χ^2/NDF : 579944.0/23	- sign 67352.348+/-9.295	χ^2/NDF : 1508163.5/46
Left In: 73045.500+/-12.496	χ^2/NDF : 463525.5/22		

diff_bpm0r03Y_mean vs Slug



Right In: -0.282 ± 0.695 $\chi^2/\text{NDF}: 475.9/19$

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

Right Out: 6.356 ± 0.584 $\chi^2/\text{NDF}: 673.6/23$

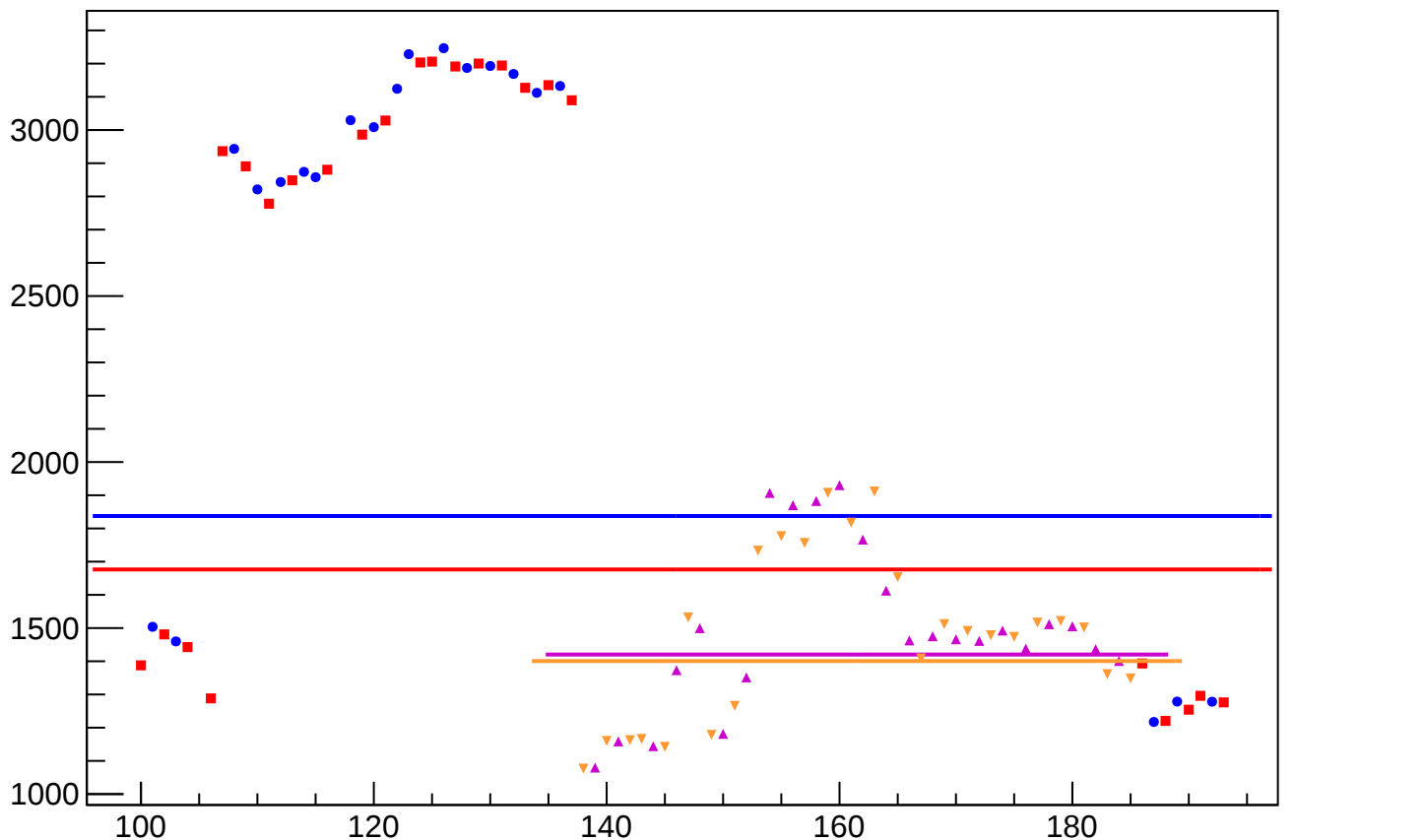
Left In: -3.171 ± 0.346 $\chi^2/\text{NDF}: 487.3/22$

+ sign -5.375 ± 0.299 $\chi^2/\text{NDF}: 794.6/44$

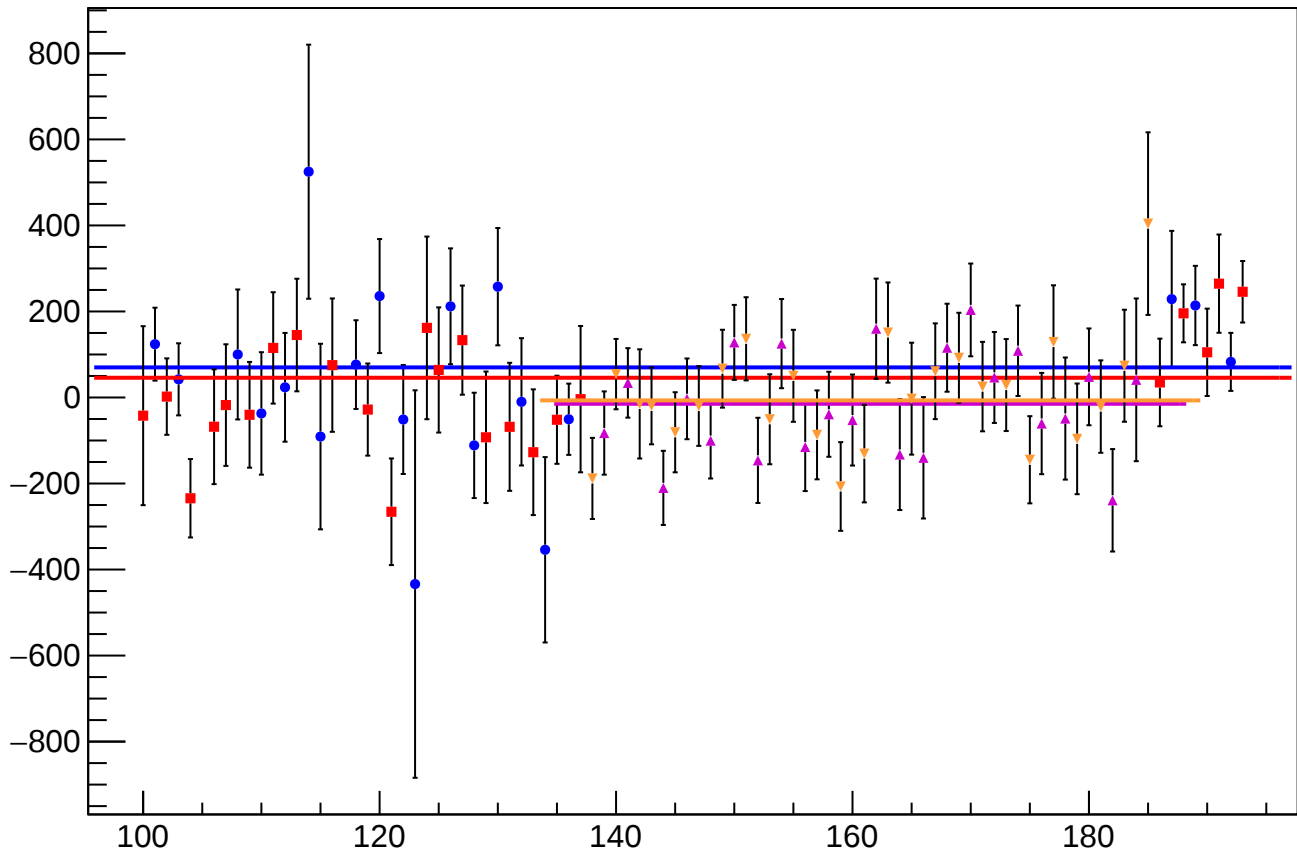
All: -3.020 ± 0.211 $\chi^2/\text{NDF}: 2275.7/91$

- sign -0.688 ± 0.298 $\chi^2/\text{NDF}: 1357.9/46$

diff_bpm0r03Y_rms vs Slug



diff_bpm0r05X_mean vs Slug



Right In: 69.951 $\pm$ 26.226 χ^2 /NDF: 22.9/19

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

Right Out: 45.881 $\pm$ 23.335 χ^2 /NDF: 40.4/23

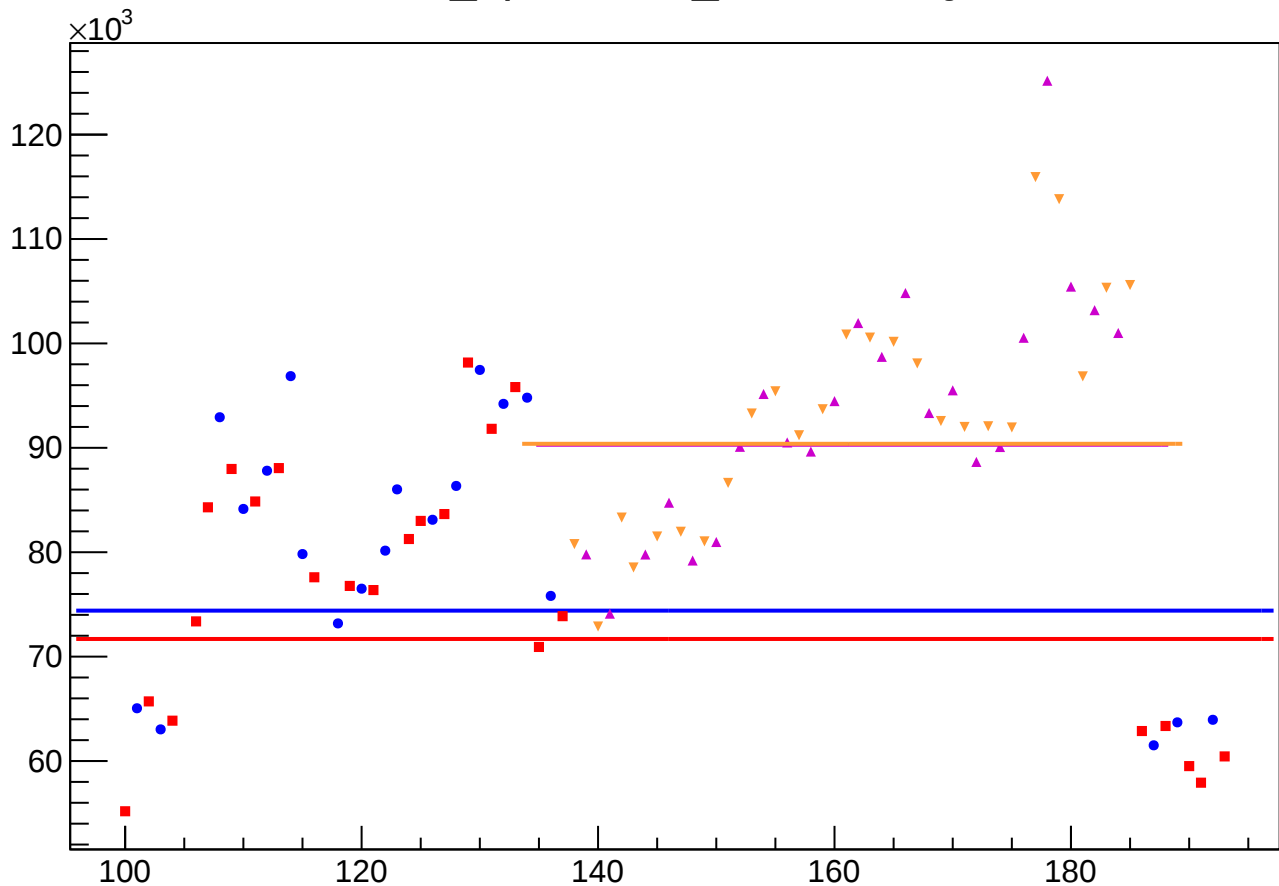
Left In: -14.611 $\pm$ 21.846 χ^2 /NDF: 29.8/22

+ sign 23.562 $\pm$ 16.493 χ^2 /NDF: 52.7/44

All: 18.436 $\pm$ 11.465 χ^2 /NDF: 126.7/91

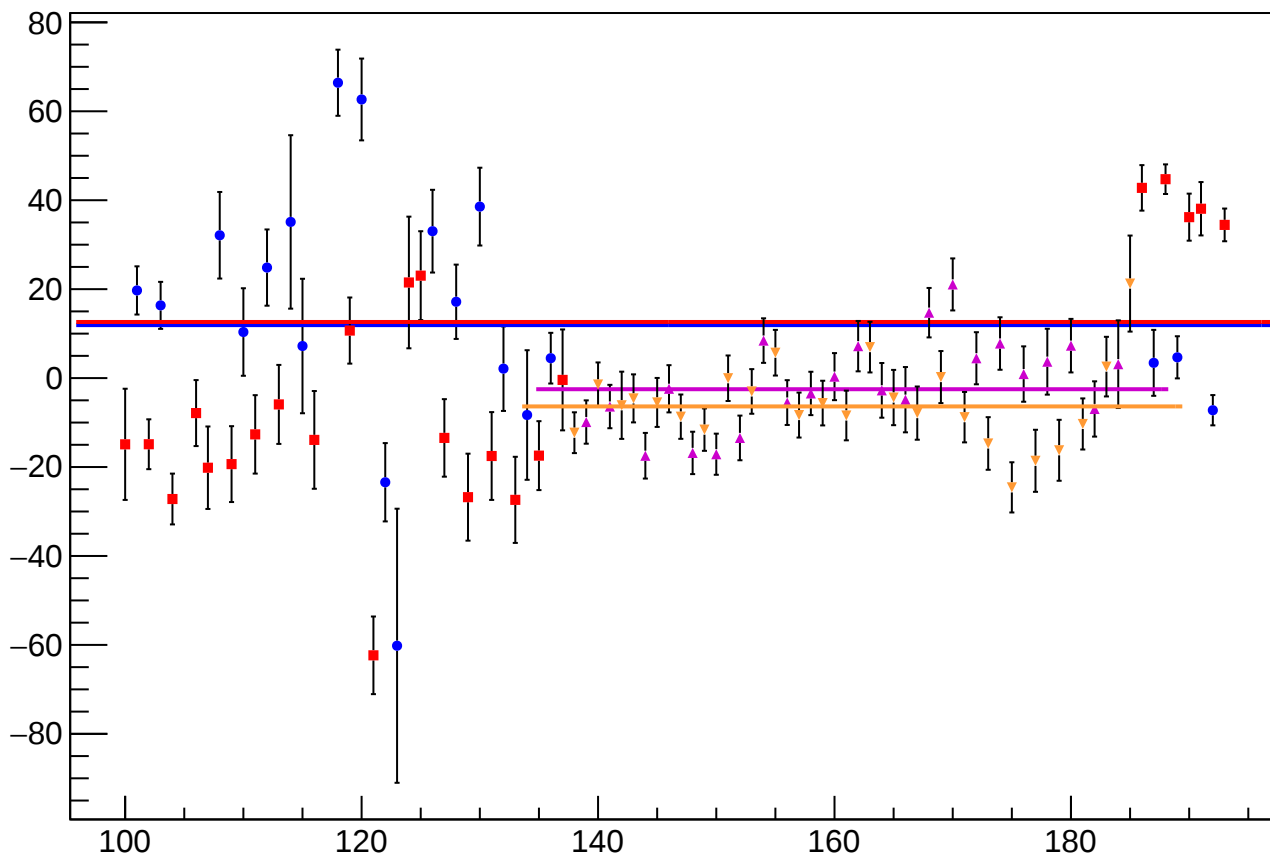
- sign 13.644 $\pm$ 15.948 χ^2 /NDF: 73.8/46

diff_bpm0r05X_rms vs Slug



Right In: 74405.297 $\pm$ 18.544	χ^2 /NDF: 369229.9/19	+ sign 84064.924 $\pm$ 11.662	χ^2 /NDF: 1279724.2/44
Left Out: 90384.853 $\pm$ 15.000	χ^2 /NDF: 461648.2/24	All: 82793.503 $\pm$ 8.107	χ^2 /NDF: 2929776.4/5
Right Out: 71690.931 $\pm$ 16.501	χ^2 /NDF: 488358.0/23	- sign 81604.733 $\pm$ 11.277	χ^2 /NDF: 1627054.6/46
Left In: 90293.591 $\pm$ 15.448	χ^2 /NDF: 461337.5/22		

diff_bpm0r05Y_mean vs Slug



Right In: 11.913 $\pm$ 1.602 χ^2 /NDF: 171.4/19

Left Out: -6.370 $\pm$ 1.124 χ^2 /NDF: 45.5/24

Right Out: 12.620 $\pm$ 1.378 χ^2 /NDF: 473.9/23

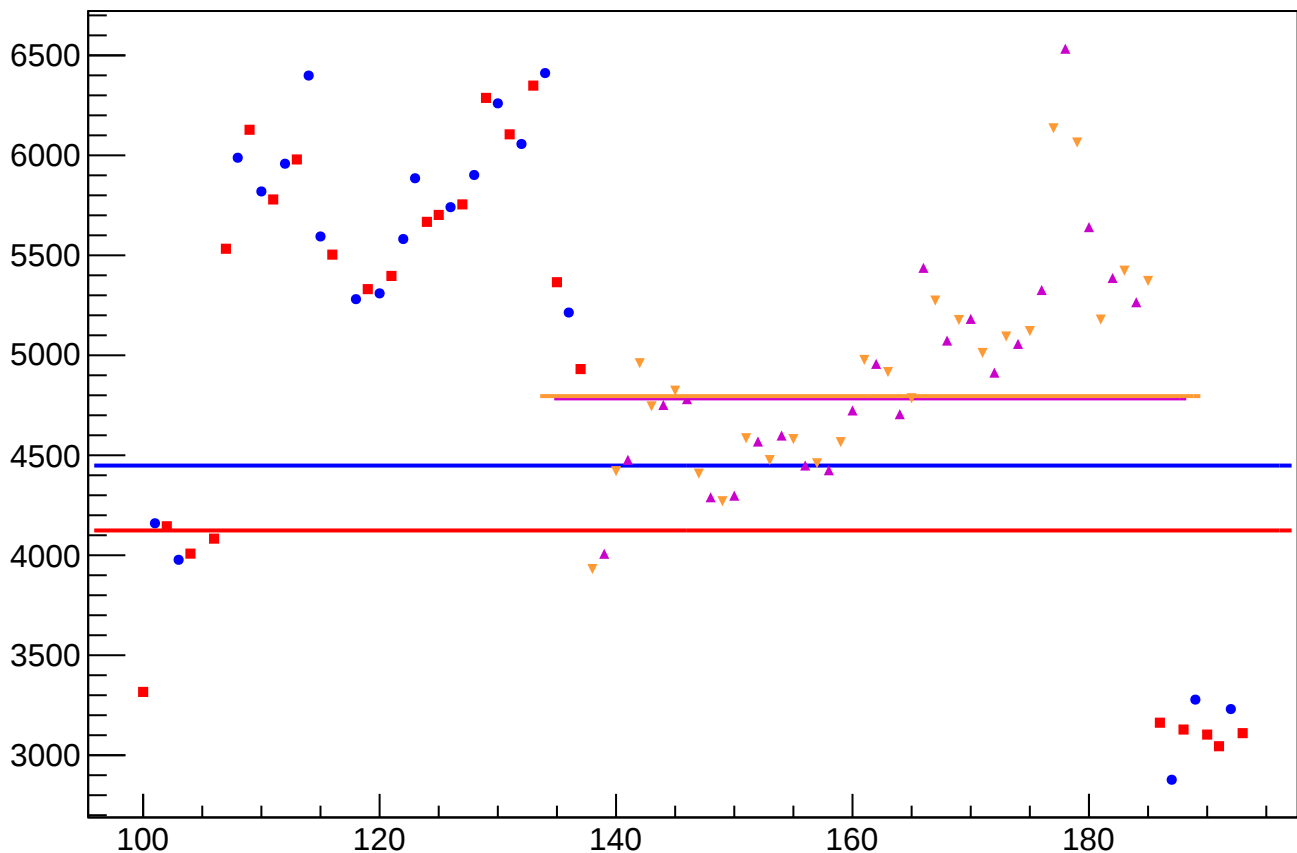
Left In: -2.501 $\pm$ 1.156 χ^2 /NDF: 78.4/22

+ sign -0.340 $\pm$ 0.920 χ^2 /NDF: 304.1/44

All: 1.780 $\pm$ 0.638 χ^2 /NDF: 937.4/91

- sign 3.745 $\pm$ 0.886 χ^2 /NDF: 623.0/46

diff_bpm0r05Y_rms vs Slug



Right In: 4448.543+/-1.133 χ^2/NDF : 1066005.6/19

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

Right Out: 4123.989+/-0.974 χ^2/NDF : 1477674.1/23

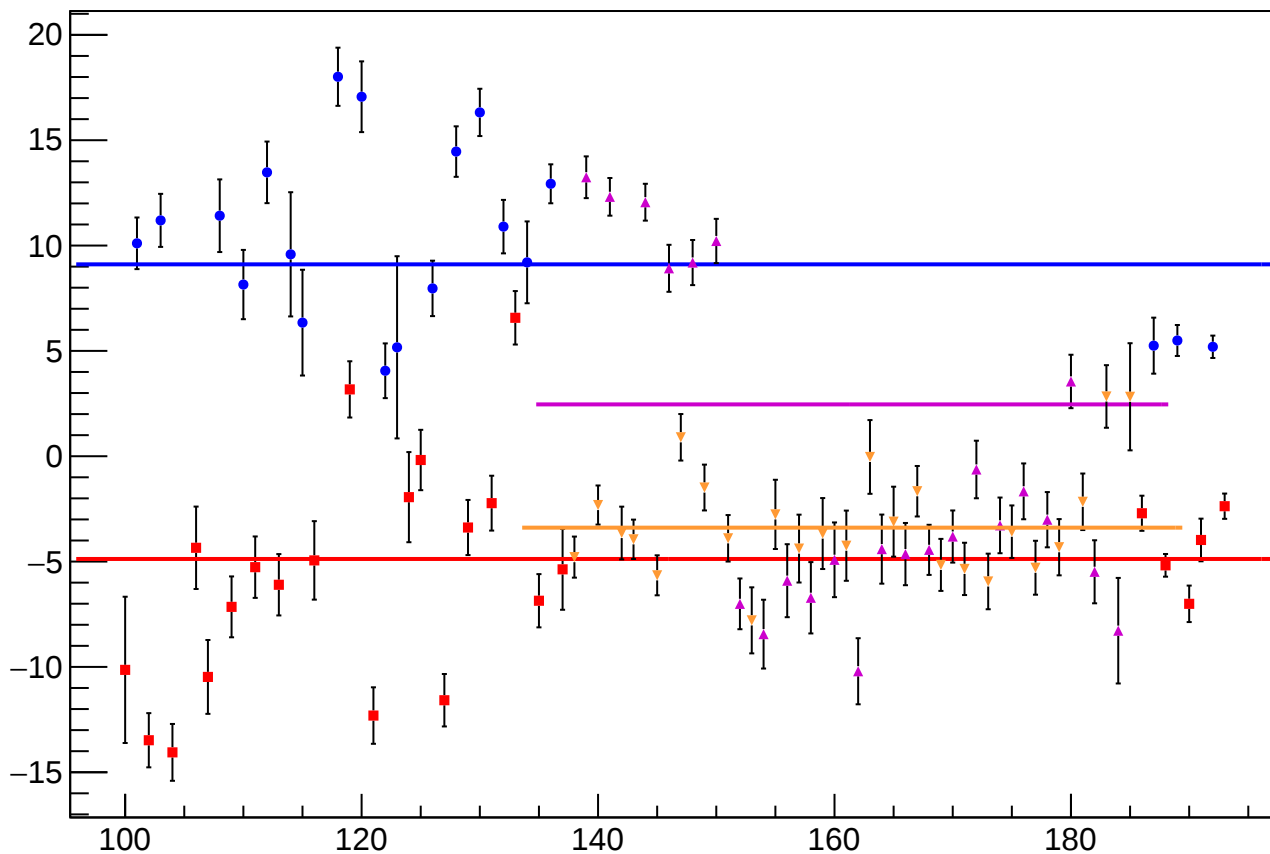
Left In: 4784.434+/-0.817 χ^2/NDF : 357507.2/22

+ sign 4681.301+/-0.651 χ^2/NDF : 1490247.6/44

All: 4593.224+/-0.451 χ^2/NDF : 3630431.6/91

- sign 4511.626+/-0.626 χ^2/NDF : 2104874.9/46

diff_bpm2i01X_mean vs Slug



Right In: 9.108 ± 0.264 χ^2/NDF : 263.7/19

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

Right Out: -4.876 ± 0.231 χ^2/NDF : 336.3/23

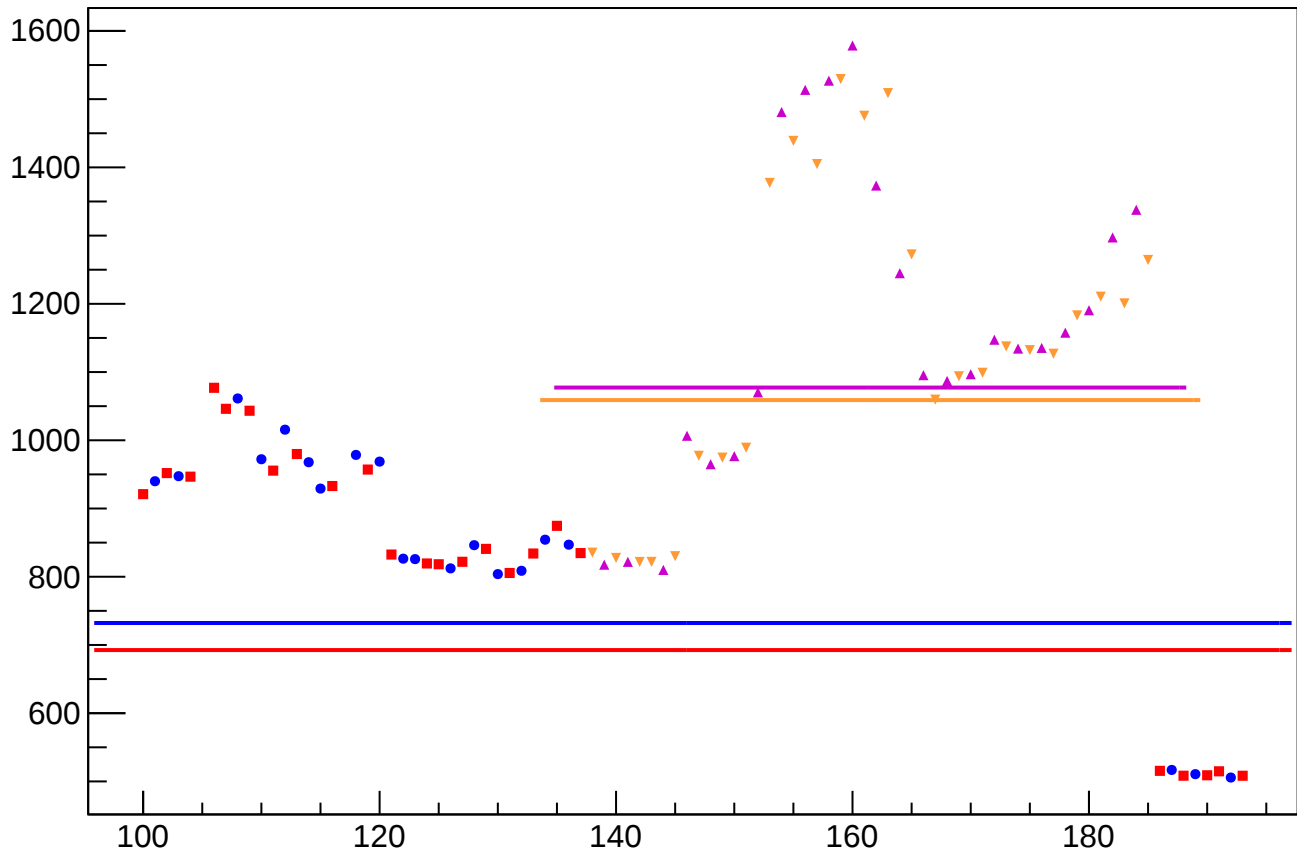
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

+ sign 2.577 ± 0.182 χ^2/NDF : 1513.3/44

All: 0.343 ± 0.126 χ^2/NDF : 3500.6/91

- sign -1.693 ± 0.174 χ^2/NDF : 1700.4/46

diff_bpm2i01X_rms vs Slug



Right In: 732.220 ± 0.187 χ^2/NDF : 1124339.3/19

Left Out: 1058.941 ± 0.178 χ^2/NDF : 1403222.2/24

Right Out: 692.529 ± 0.164 χ^2/NDF : 1540634.4/23

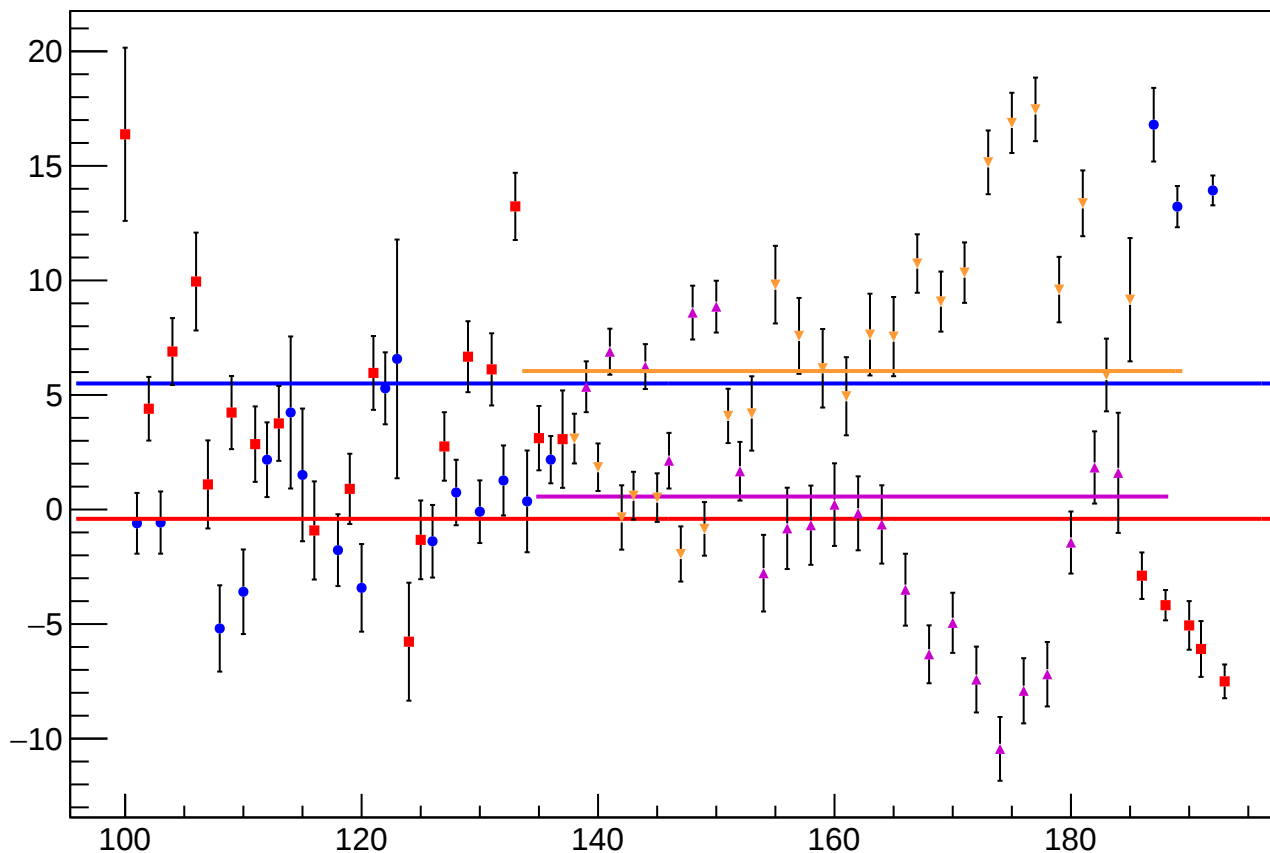
Left In: 1077.284 ± 0.187 χ^2/NDF : 1280349.9/22

+ sign 902.961 ± 0.129 χ^2/NDF : 4129337.3/44

All: 880.200 ± 0.089 χ^2/NDF : 9408375.9/91

- sign 859.447 ± 0.123 χ^2/NDF : 5219472.6/46

diff_bpm2i01Y_mean vs Slug



Right In: 5.502 ± 0.311 χ^2/NDF : 507.9/19

Left Out: 6.045 ± 0.272 χ^2/NDF : 430.8/24

Right Out: -0.407 ± 0.274 χ^2/NDF : 430.7/23

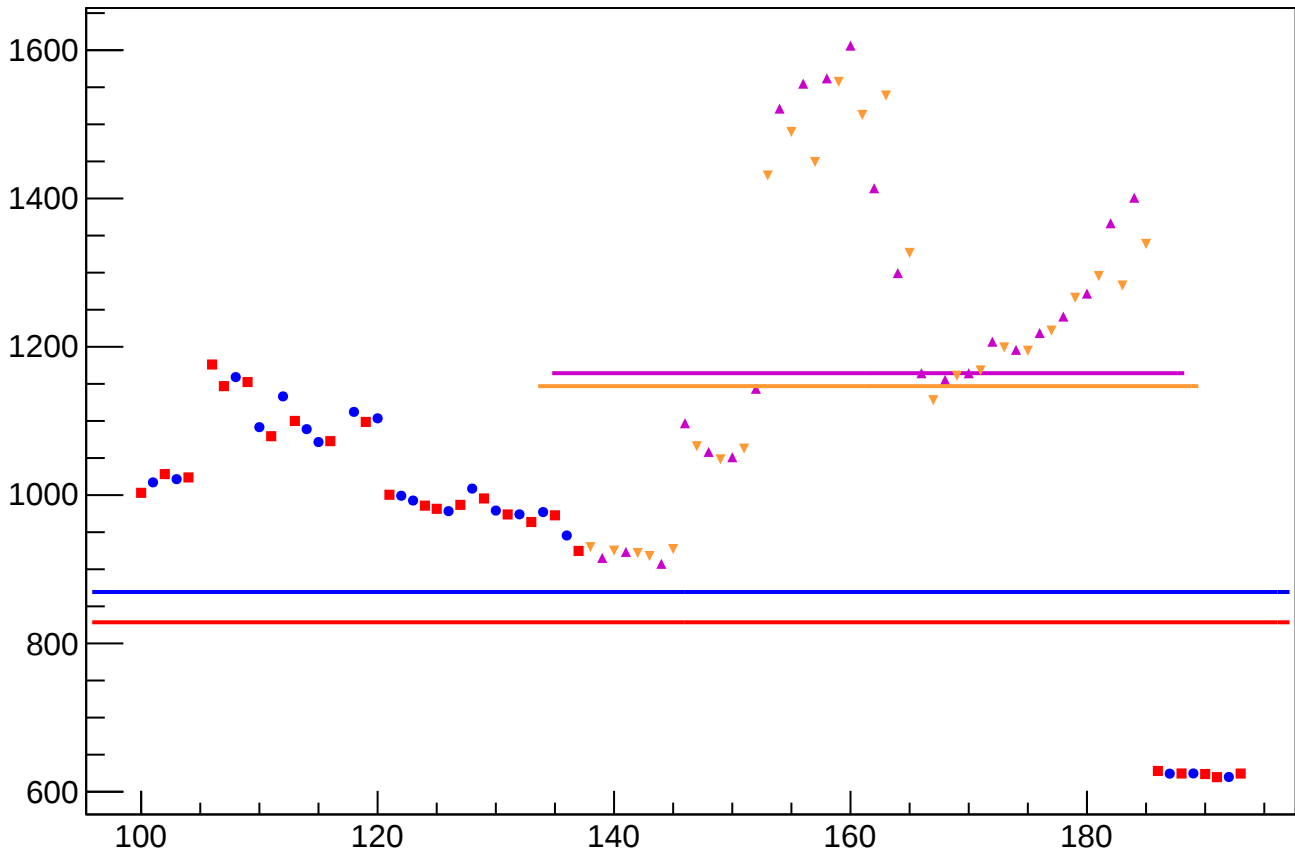
Left In: 0.566 ± 0.284 χ^2/NDF : 417.0/22

+ sign 5.810 ± 0.204 χ^2/NDF : 940.5/44

All: 2.832 ± 0.142 χ^2/NDF : 2203.5/91

- sign 0.062 ± 0.197 χ^2/NDF : 853.7/46

diff_bpm2i01Y_rms vs Slug



Right In: 869.357 $\pm$ 0.220 χ^2 /NDF: 844315.6/19

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

Right Out: 828.513 $\pm$ 0.194 χ^2 /NDF: 1166633.8/23

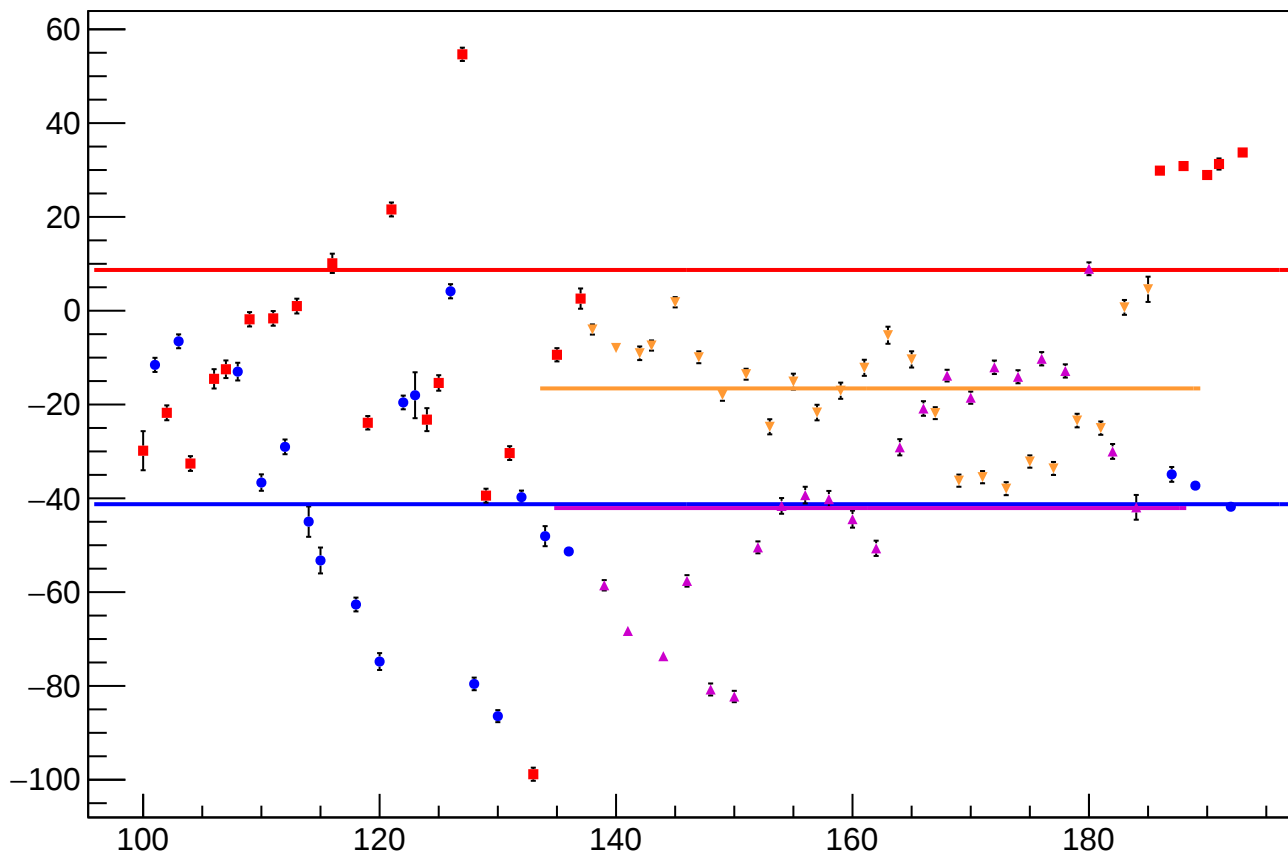
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF: 944112.0/22

+ sign 1026.618 $\pm$ 0.145 χ^2 /NDF: 2795356.9/44

All: 1007.858 $\pm$ 0.100 χ^2 /NDF: 6386967.4/91

- sign 990.402 $\pm$ 0.139 χ^2 /NDF: 3559110.6/46

diff_bpm2i02X_mean vs Slug



Right In: -41.252 ± 0.304 χ^2/NDF : 5141.1/19

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

Right Out: 8.691 ± 0.267 χ^2/NDF : 14999.5/23

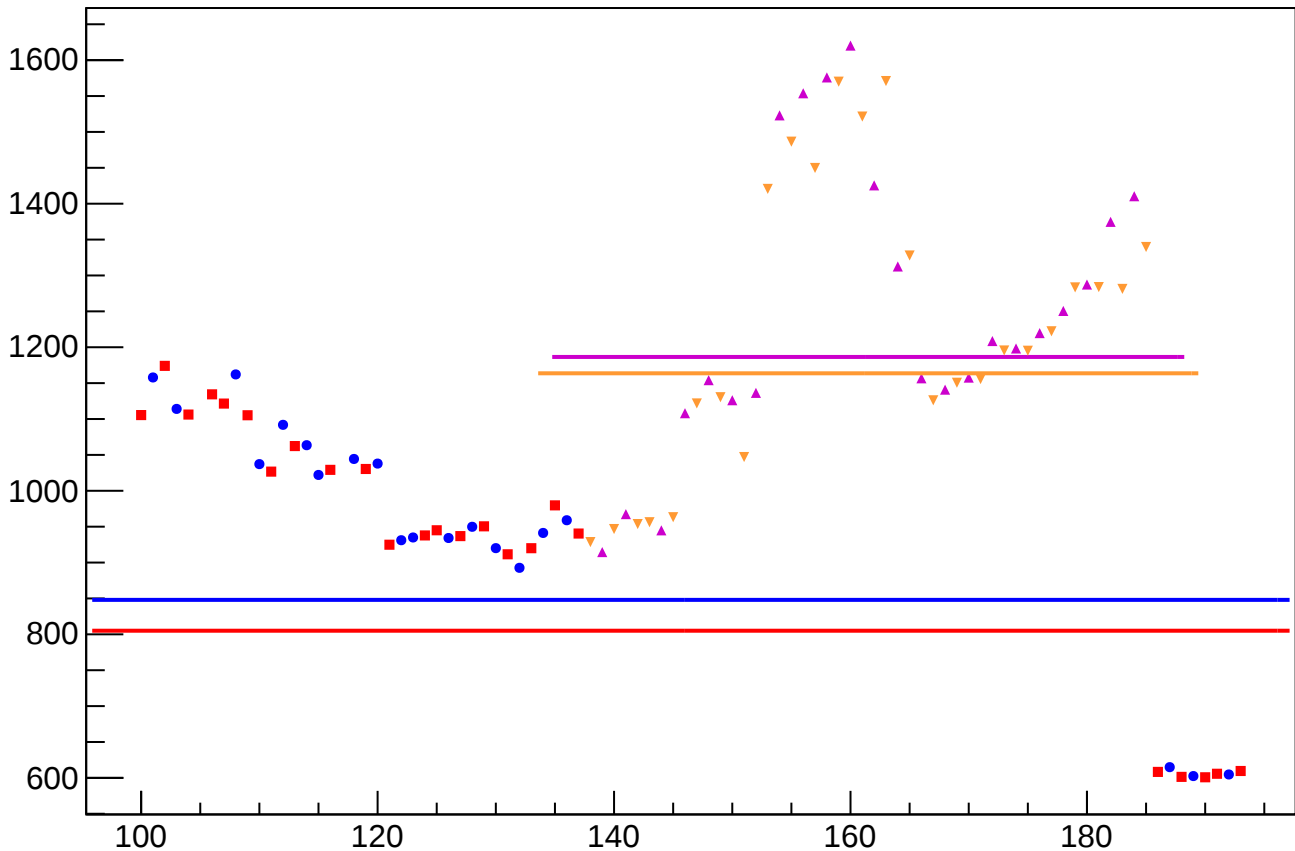
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

+ sign -27.707 ± 0.204 χ^2/NDF : 10701.8/44

All: -20.928 ± 0.141 χ^2/NDF : 52816.5/91

- sign -14.659 ± 0.196 χ^2/NDF : 39986.7/46

diff_bpm2i02X_rms vs Slug



Right In: 848.012 $\pm$ 0.215 χ^2 /NDF: 907206.9/19

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

Right Out: 805.041 $\pm$ 0.189 χ^2 /NDF: 1242547.4/23

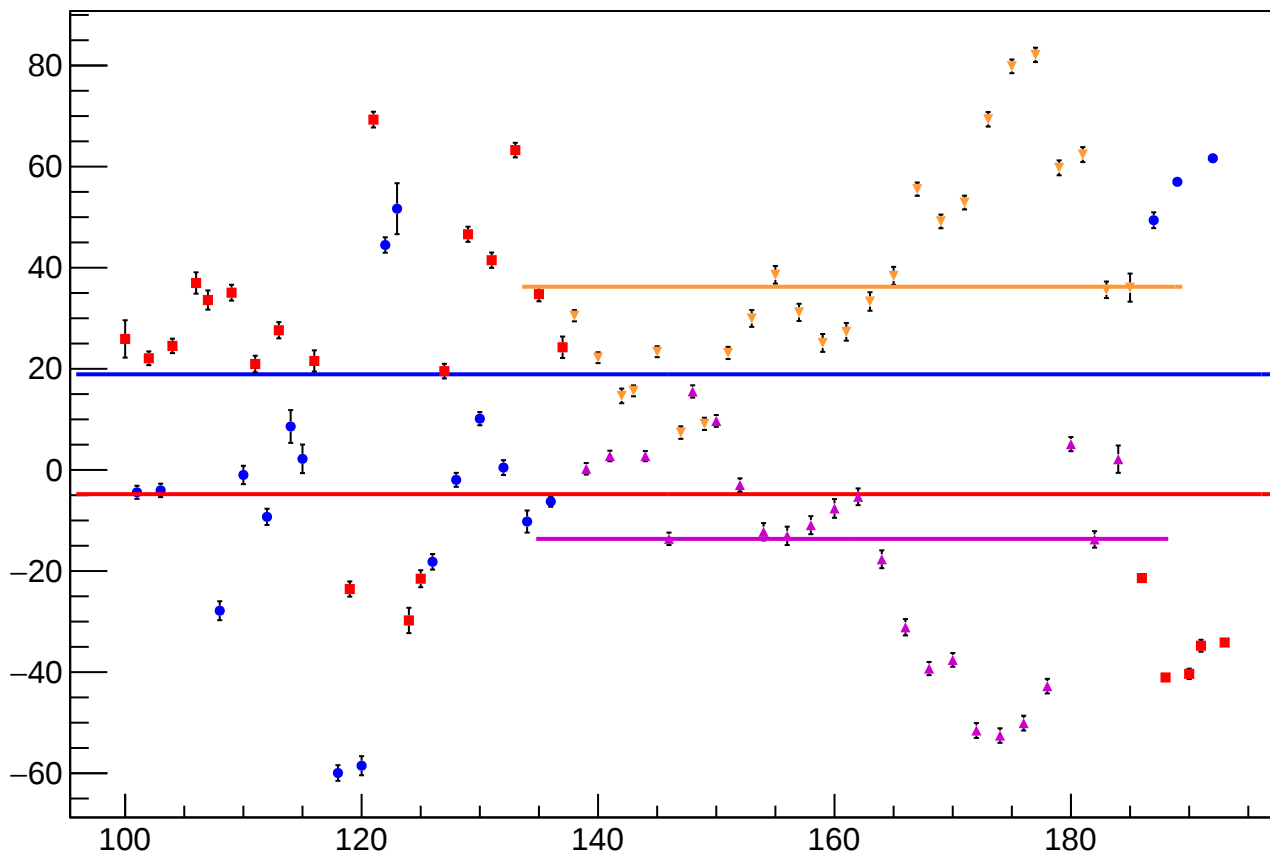
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF:833420.3/22

+ sign 1021.221 $\pm$ 0.144 χ^2 /NDF: 3030449.6/44

All: 1000.050 $\pm$ 0.100 χ^2 /NDF: 7028292.5/91

- sign 980.476 $\pm$ 0.139 χ^2 /NDF: 3956344.4/46

diff_bpm2i02Y_mean vs Slug



Right In: 18.915 $\pm$ 0.303 χ^2 /NDF: 15031.4/19

Left Out: 36.234 $\pm$ 0.280 χ^2 /NDF: 5794.2/24

Right Out: -4.794 $\pm$ 0.266 χ^2 /NDF: 18414.2/23

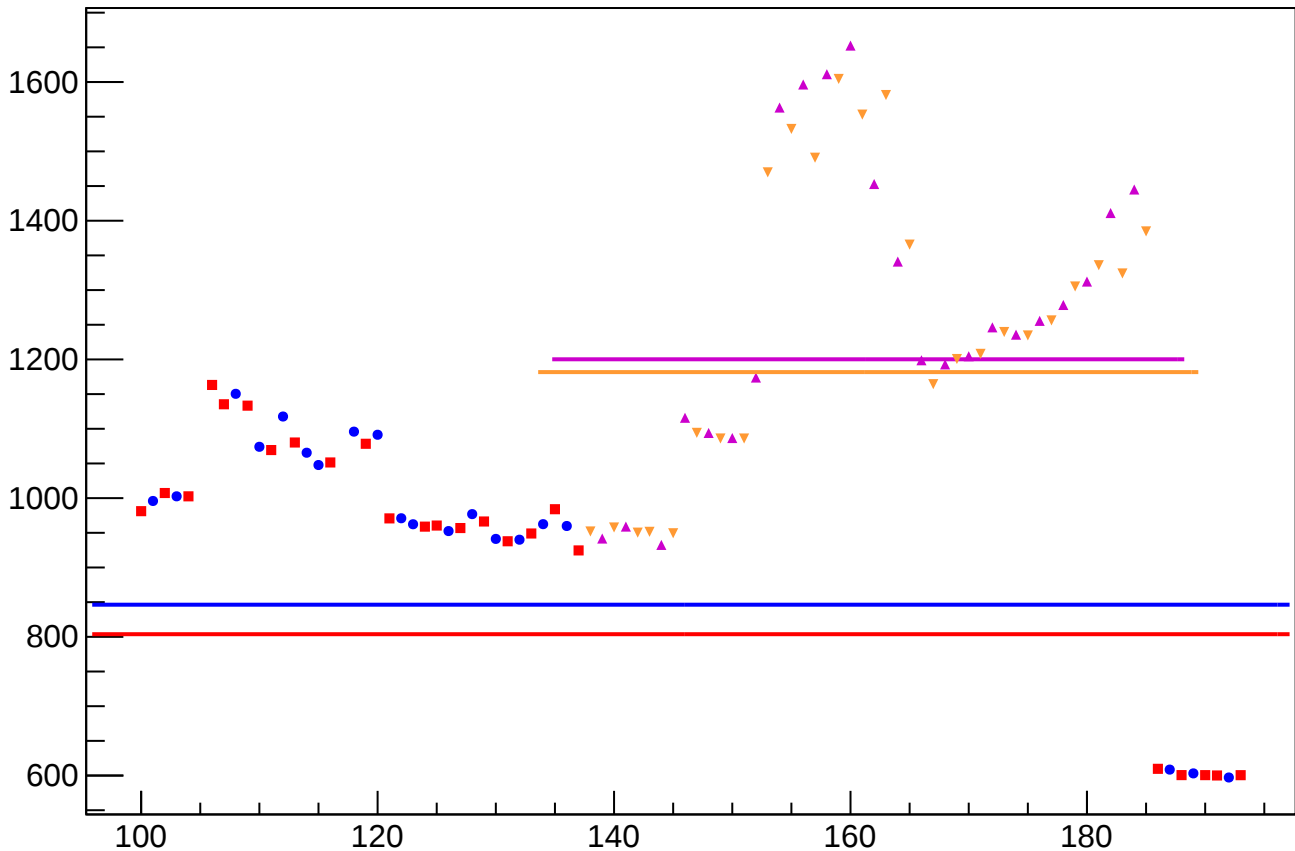
Left In: -13.640 $\pm$ 0.293 χ^2 /NDF: 5178.0/22

+ sign 28.258 $\pm$ 0.206 χ^2 /NDF: 22589.1/44

All: 8.947 $\pm$ 0.142 χ^2 /NDF: 63616.9/91

- sign -8.801 $\pm$ 0.197 χ^2 /NDF: 24091.4/46

diff_bpm2i02Y_rms vs Slug



Right In: 846.344 $\pm$ 0.214 χ^2 /NDF: 908534.6/19

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

Right Out: 803.808 $\pm$ 0.188 χ^2 /NDF: 1254802.5/23

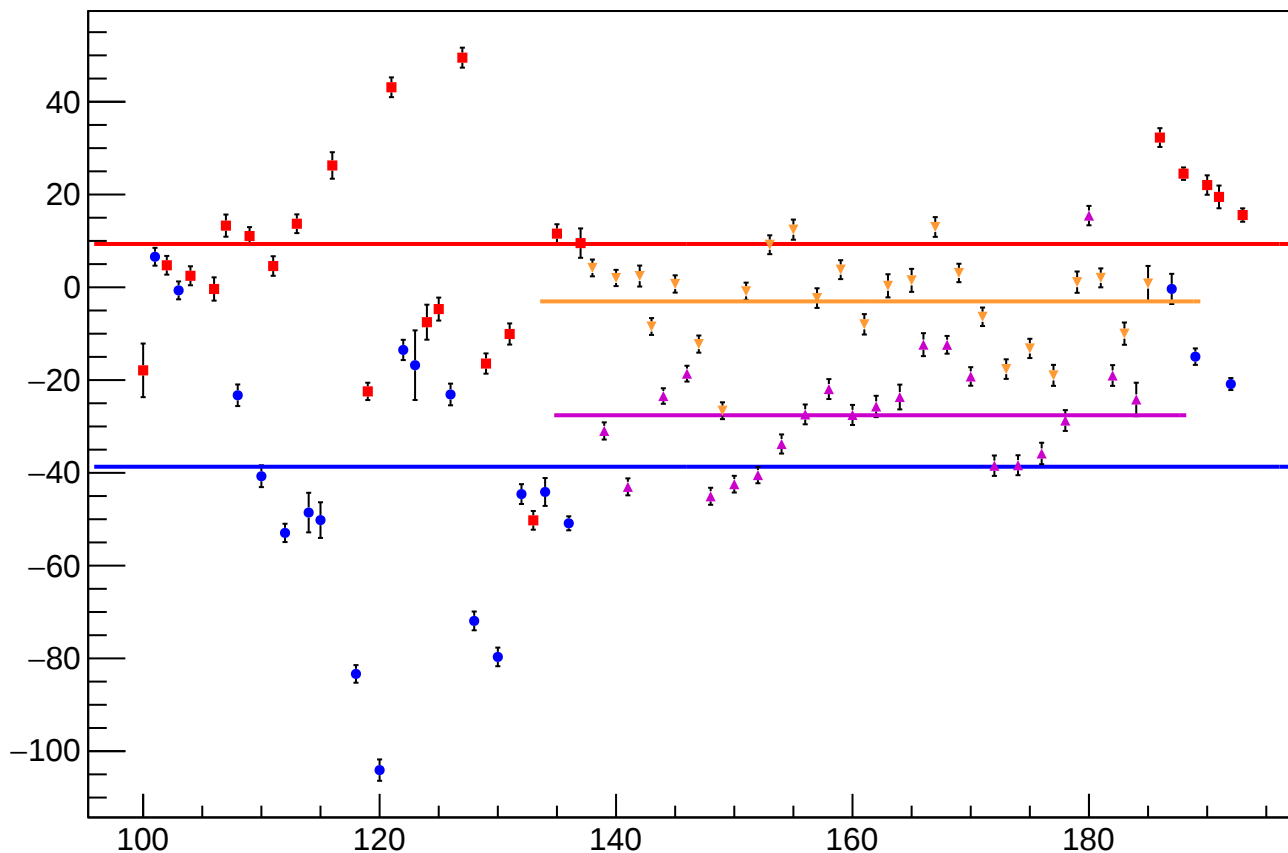
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF:938224.7/22

+ sign 1027.278 $\pm$ 0.145 χ^2 /NDF: 3274729.1/44

All: 1004.399 $\pm$ 0.101 χ^2 /NDF: 7520422.7/91

- sign 983.373 $\pm$ 0.139 χ^2 /NDF: 4198149.6/46

diff_bpm0i02X_mean vs Slug



Right In: -38.682 ± 0.475 χ^2/NDF : 3868.7/19

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

Right Out: 9.341 ± 0.433 χ^2/NDF : 2459.1/23

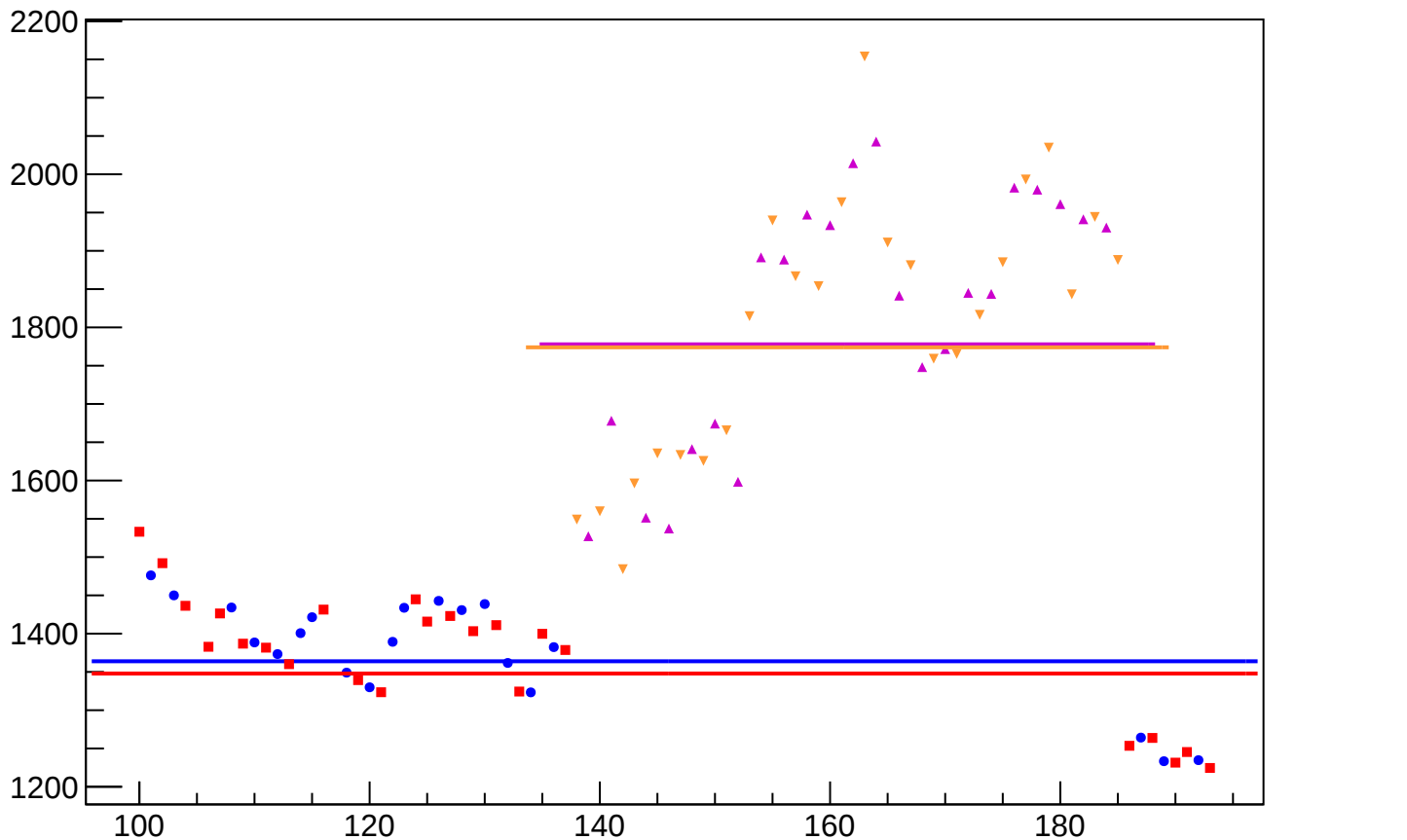
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -18.463 ± 0.313 χ^2/NDF : 7615.8/44

All: -13.757 ± 0.218 χ^2/NDF : 15147.6/91

- sign -9.285 ± 0.305 χ^2/NDF : 7089.7/46

diff_bpm0i02X_rms vs Slug



Right In: 1363.911 $\pm$ 0.336 χ^2 /NDF: 54923.9/19

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

Right Out: 1347.903 $\pm$ 0.306 χ^2 /NDF: 68350.3/23

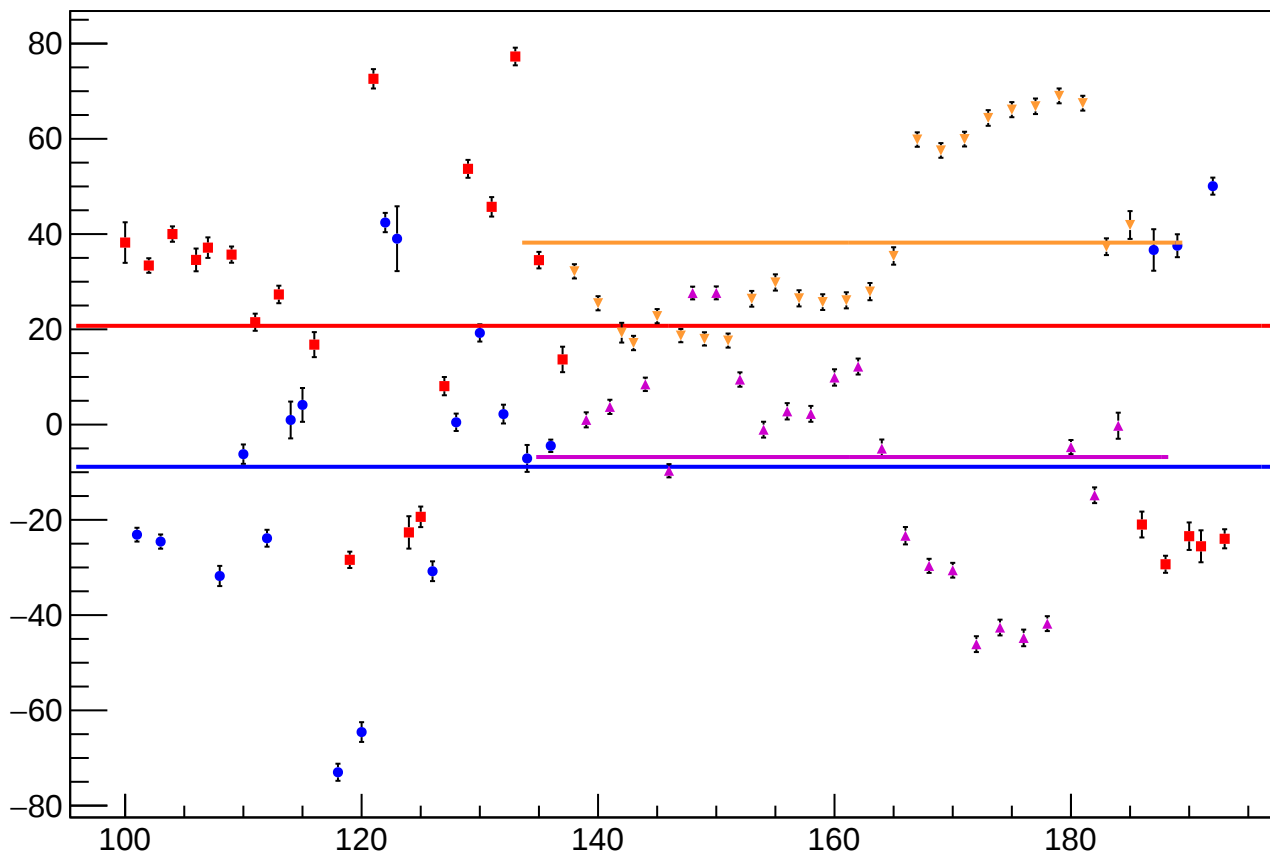
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

+ sign 1596.500 $\pm$ 0.221 χ^2 /NDF: 1212673.1/44

All: 1580.249 $\pm$ 0.154 χ^2 /NDF: 2586591.5/91

- sign 1564.809 $\pm$ 0.215 χ^2 /NDF: 1363378.4/46

diff_bpm0i02Y_mean vs Slug



Right In: -8.858 ± 0.447 χ^2/NDF : 5094.8/19

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

Right Out: 20.738 ± 0.419 χ^2/NDF : 5831.0/23

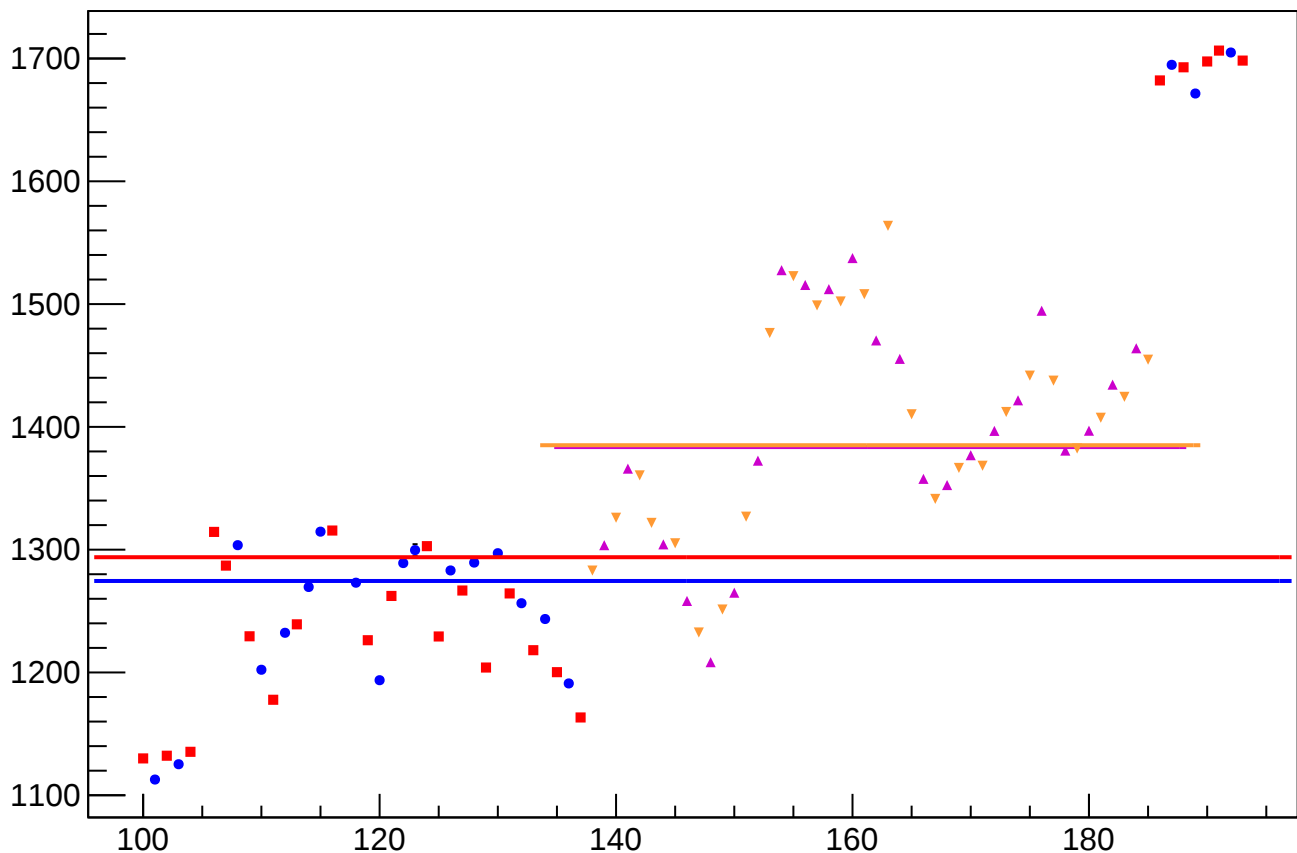
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 22.029 ± 0.262 χ^2/NDF : 15890.1/44

All: 12.897 ± 0.185 χ^2/NDF : 31282.9/91

- sign 3.853 ± 0.261 χ^2/NDF : 12974.3/46

diff_bpm0i02Y_rms vs Slug



Right In: 1274.503+/-0.316 χ^2/NDF : 249948.0/19

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

Right Out: 1293.852+/-0.296 χ^2/NDF : 373255.9/23

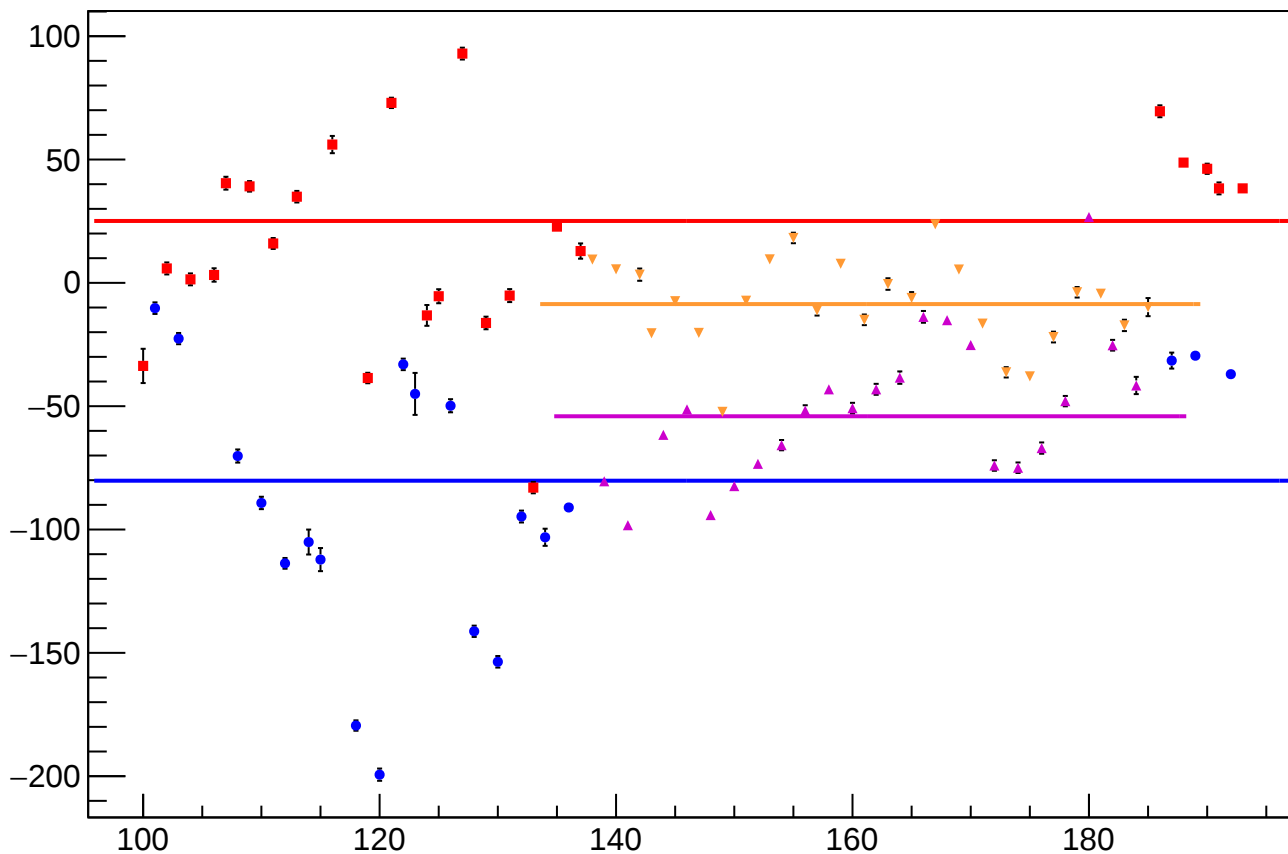
Left In: 1383.558+/-0.235 χ^2/NDF : 154696.0/22

+ sign 1347.060+/-0.185 χ^2/NDF : 476308.3/44

All: 1347.953+/-0.131 χ^2/NDF : 1060486.6/91

- sign 1348.838+/-0.184 χ^2/NDF : 584132.0/46

diff_bpm0i02aX_mean vs Slug



Right In: -80.211 ± 0.513 χ^2/NDF : 10972.8/19

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

Right Out: 25.092 ± 0.468 χ^2/NDF : 6360.5/23

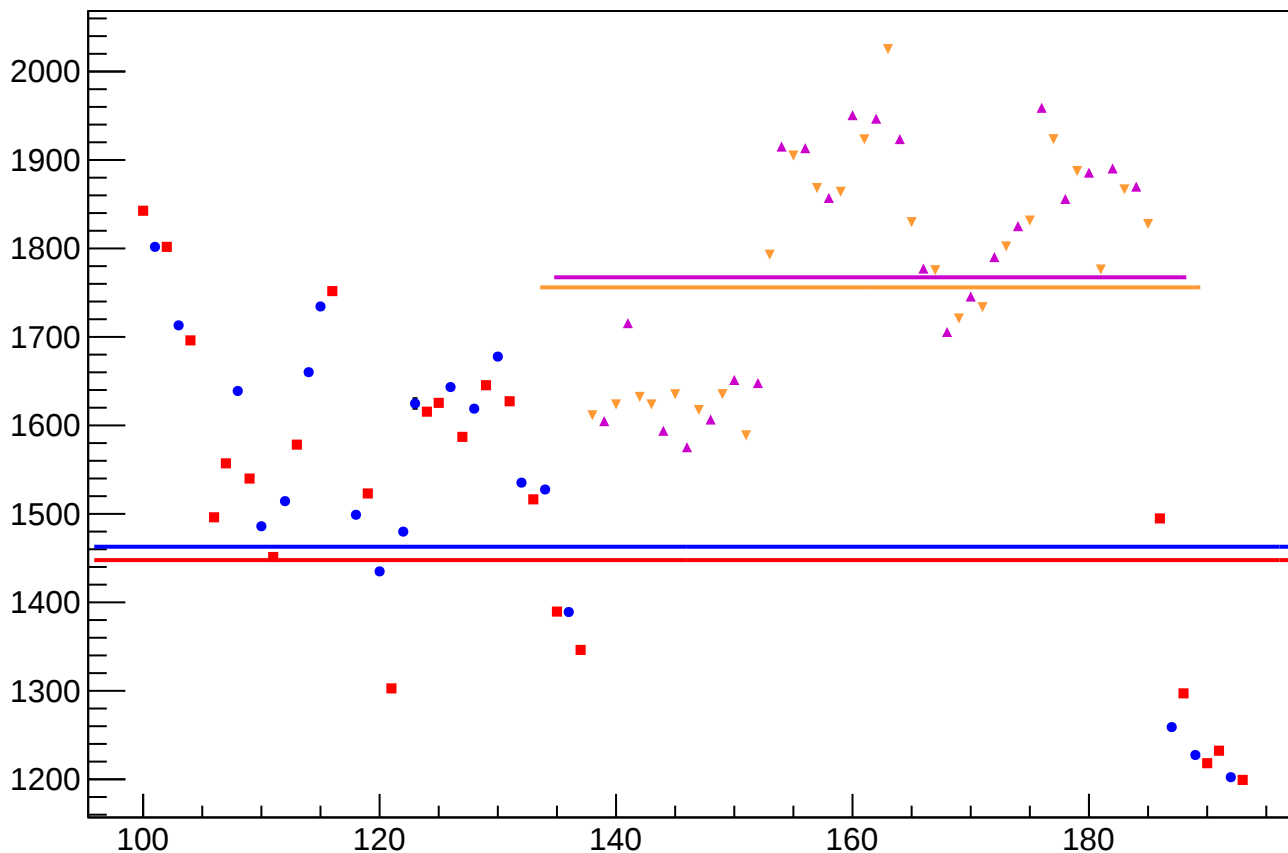
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

+ sign -36.534 ± 0.320 χ^2/NDF : 24787.0/44

All: -27.212 ± 0.225 χ^2/NDF : 53212.4/91

- sign -18.213 ± 0.315 χ^2/NDF : 26761.6/46

diff_bpm0i02aX_rms vs Slug



Right In: 1462.872 $\pm$ 0.363 χ^2 /NDF: 258353.3/19

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

Right Out: 1447.734 $\pm$ 0.331 χ^2 /NDF: 282379.1/23

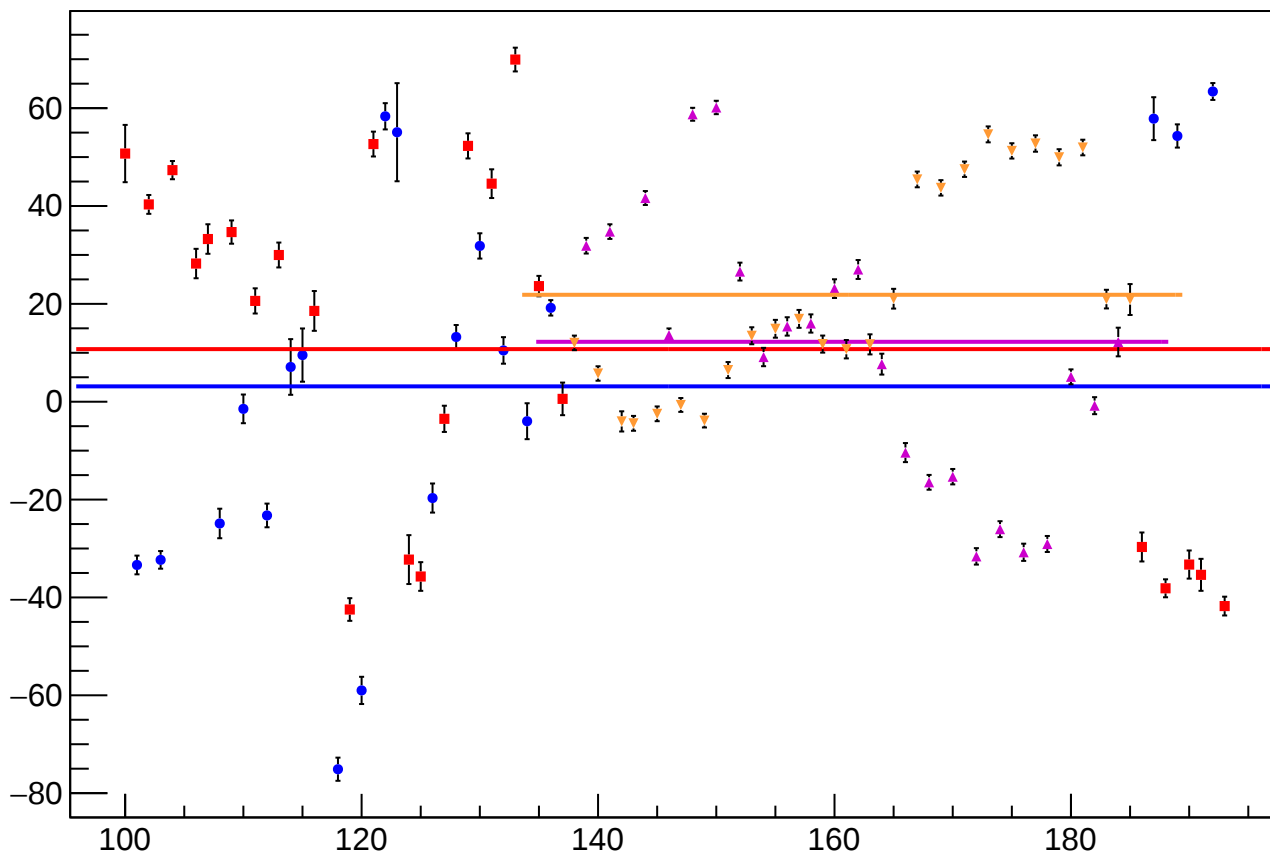
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF:187958.2/22

+ sign 1641.693 $\pm$ 0.227 χ^2 /NDF: 832504.5/44

All: 1631.963 $\pm$ 0.159 χ^2 /NDF: 1817616.7/91

- sign 1622.570 $\pm$ 0.223 χ^2 /NDF: 981486.9/46

diff_bpm0i02aY_mean vs Slug



Right In: 3.137 ± 0.567 χ^2/NDF : 5156.3/19

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

Right Out: 10.750 ± 0.524 χ^2/NDF : 5201.4/23

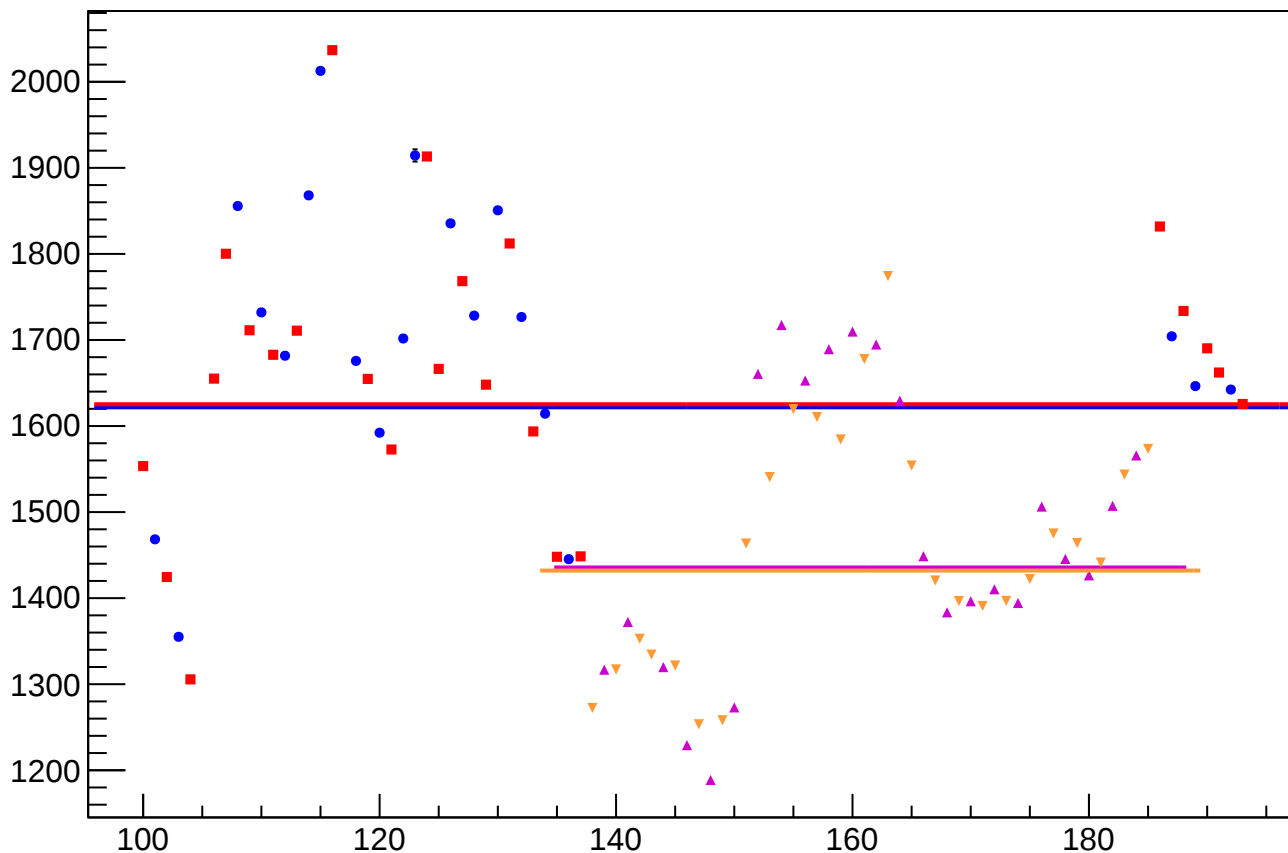
Left In: 12.246 ± 0.347 χ^2/NDF : 6781.6/22

+ sign 17.011 ± 0.289 χ^2/NDF : 10073.4/44

All: 14.406 ± 0.204 χ^2/NDF : 22225.3/91

- sign 11.790 ± 0.289 χ^2/NDF : 11988.7/46

diff_bpm0i02aY_rms vs Slug



Right In: 1621.762 $\pm$ 0.401 χ^2 /NDF: 150590.3/19

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

Right Out: 1625.292 $\pm$ 0.371 χ^2 /NDF: 174790.5/23

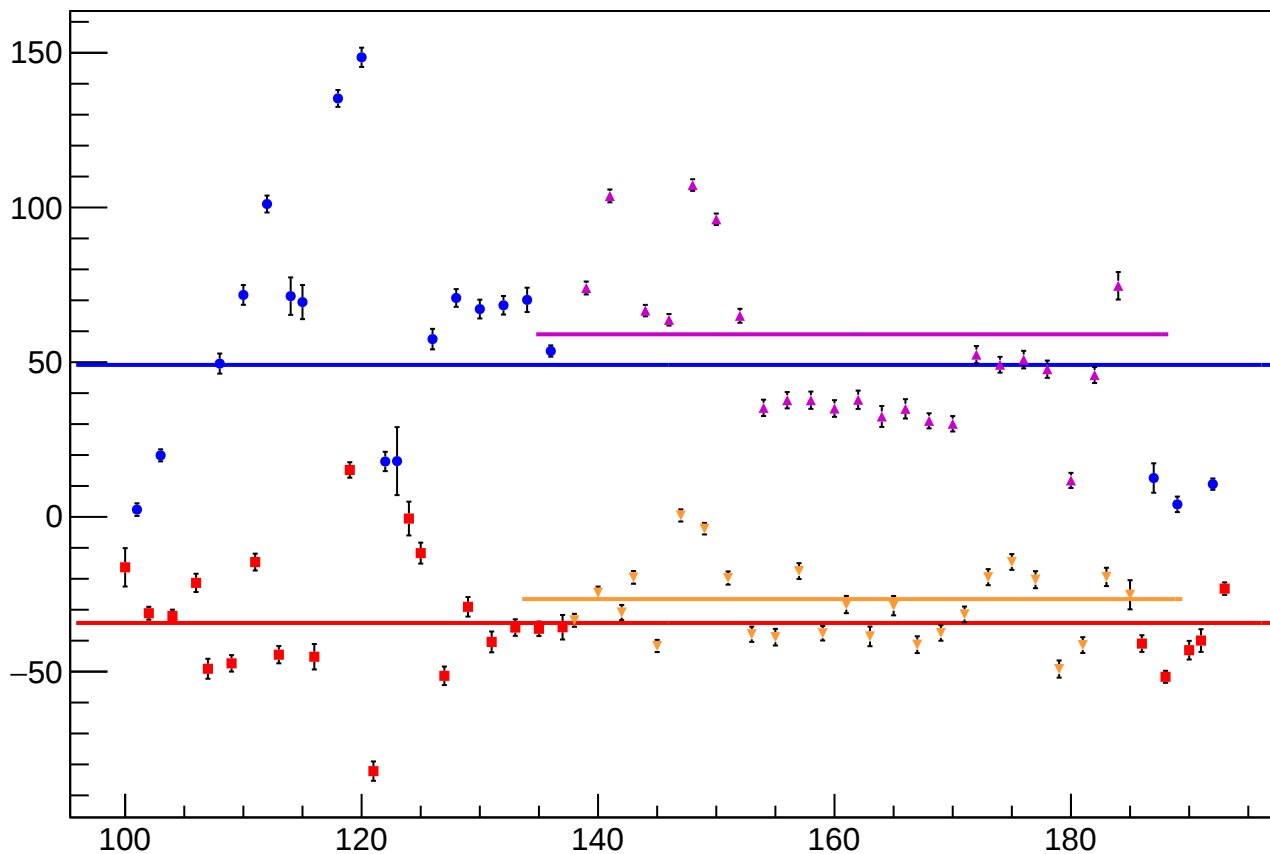
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1481.162 $\pm$ 0.204 χ^2 /NDF: 613636.1/44

All: 1487.292 $\pm$ 0.145 χ^2 /NDF: 1393107.0/91

- sign 1493.452 $\pm$ 0.205 χ^2 /NDF: 777662.8/46

diff_bpm0i05X_mean vs Slug



Right In: 49.124 $\pm$ 0.628 χ^2 /NDF: 4317.8/19

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

Right Out: -34.281 $\pm$ 0.570 χ^2 /NDF: 1023.2/23

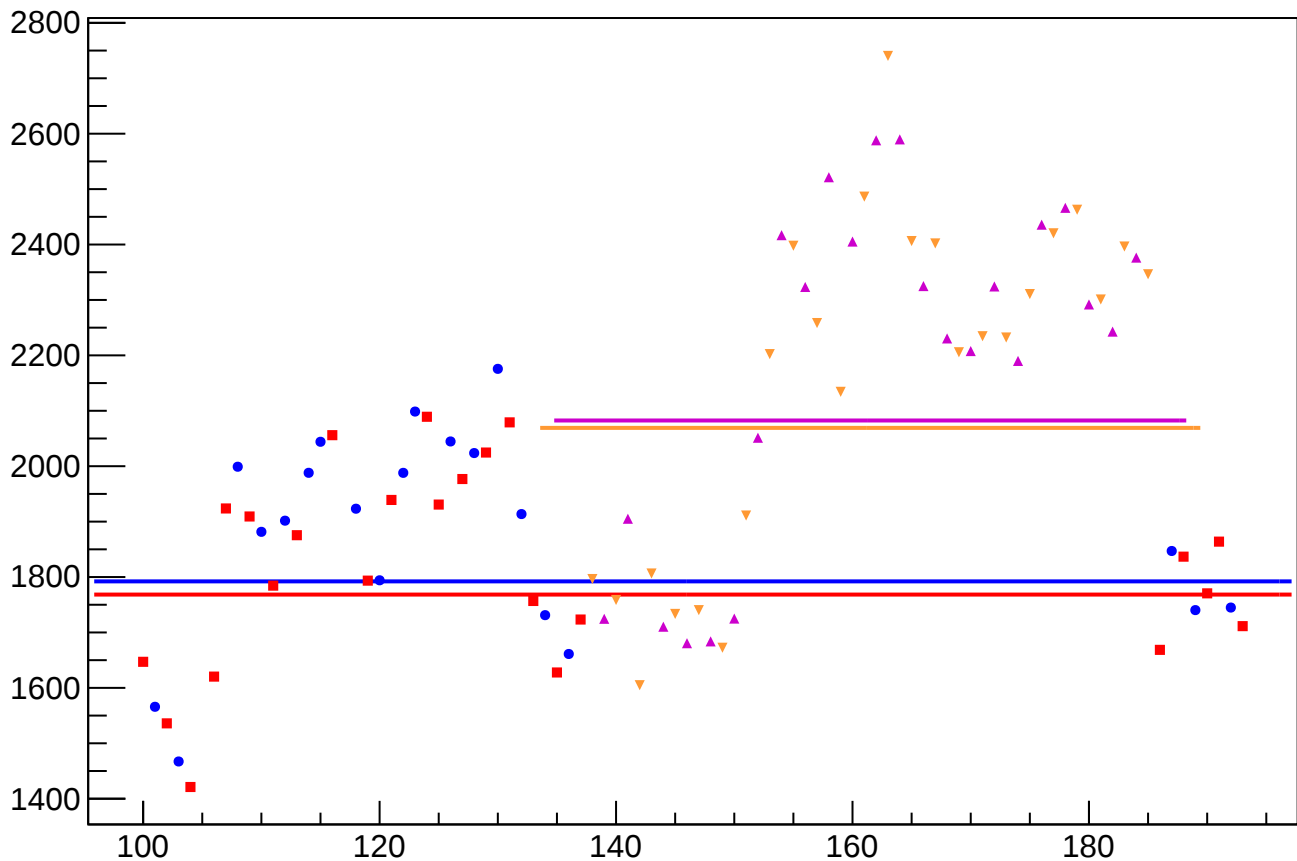
Left In: 59.014 $\pm$ 0.506 χ^2 /NDF: 2783.8/22

+ sign 1.951 $\pm$ 0.385 χ^2 /NDF: 14099.0/44

All: 10.048 $\pm$ 0.270 χ^2 /NDF: 33741.5/91

- sign 17.871 $\pm$ 0.379 χ^2 /NDF: 18773.6/46

diff_bpm0i05X_rms vs Slug



Right In: 1792.175+/-0.444 χ^2/NDF : 186391.2/19

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

Right Out: 1768.359+/-0.403 χ^2/NDF : 185974.7/23

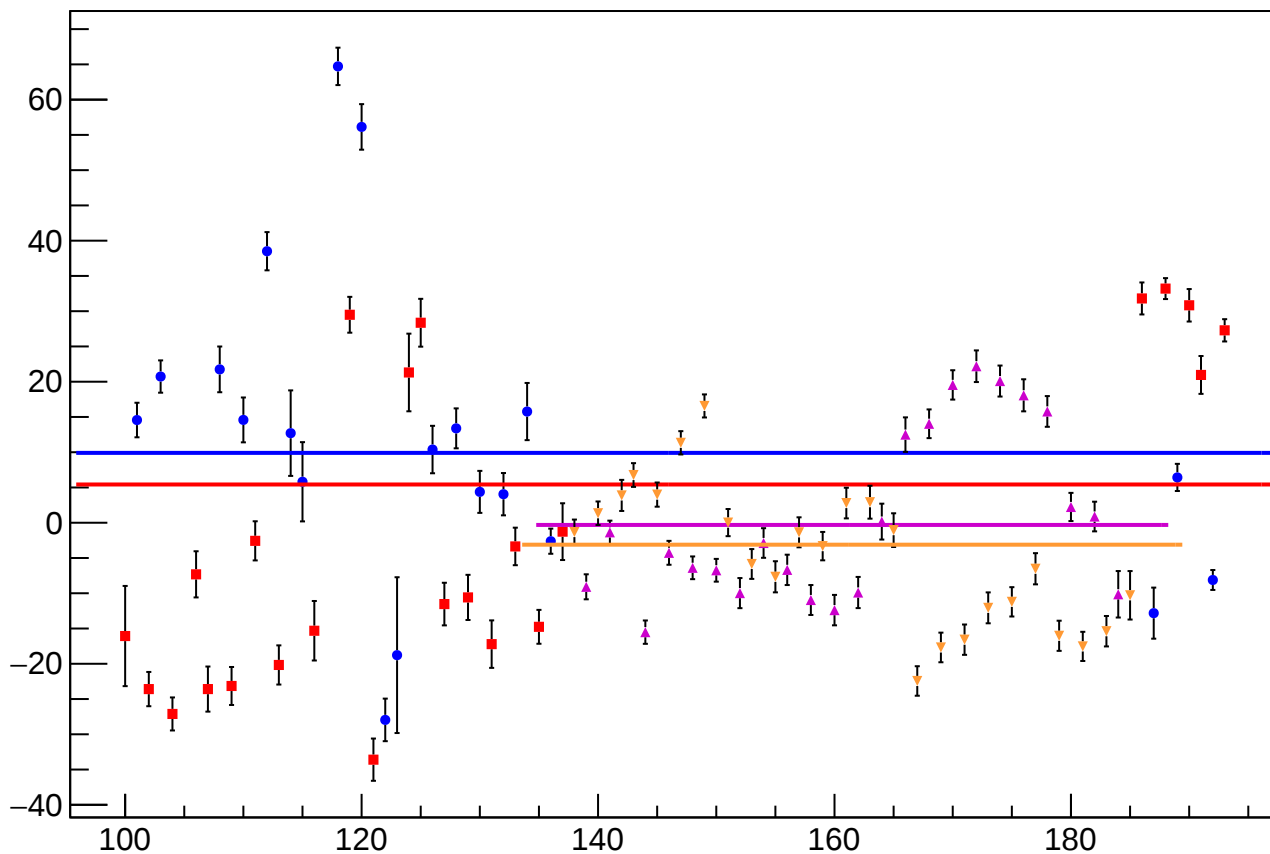
Left In: 2082.497+/-0.358 χ^2/NDF : 785304.0/22

+ sign 1964.821+/-0.272 χ^2/NDF : 1228234.9/44

All: 1954.214+/-0.191 χ^2/NDF : 2541870.8/91

- sign 1943.964+/-0.268 χ^2/NDF : 1310653.6/46

diff_bpm0i05Y_mean vs Slug



Right In: 9.908 ± 0.602 $\chi^2/\text{NDF}: 1215.2/19$

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

Right Out: 5.425 ± 0.538 $\chi^2/\text{NDF}: 2003.4/23$

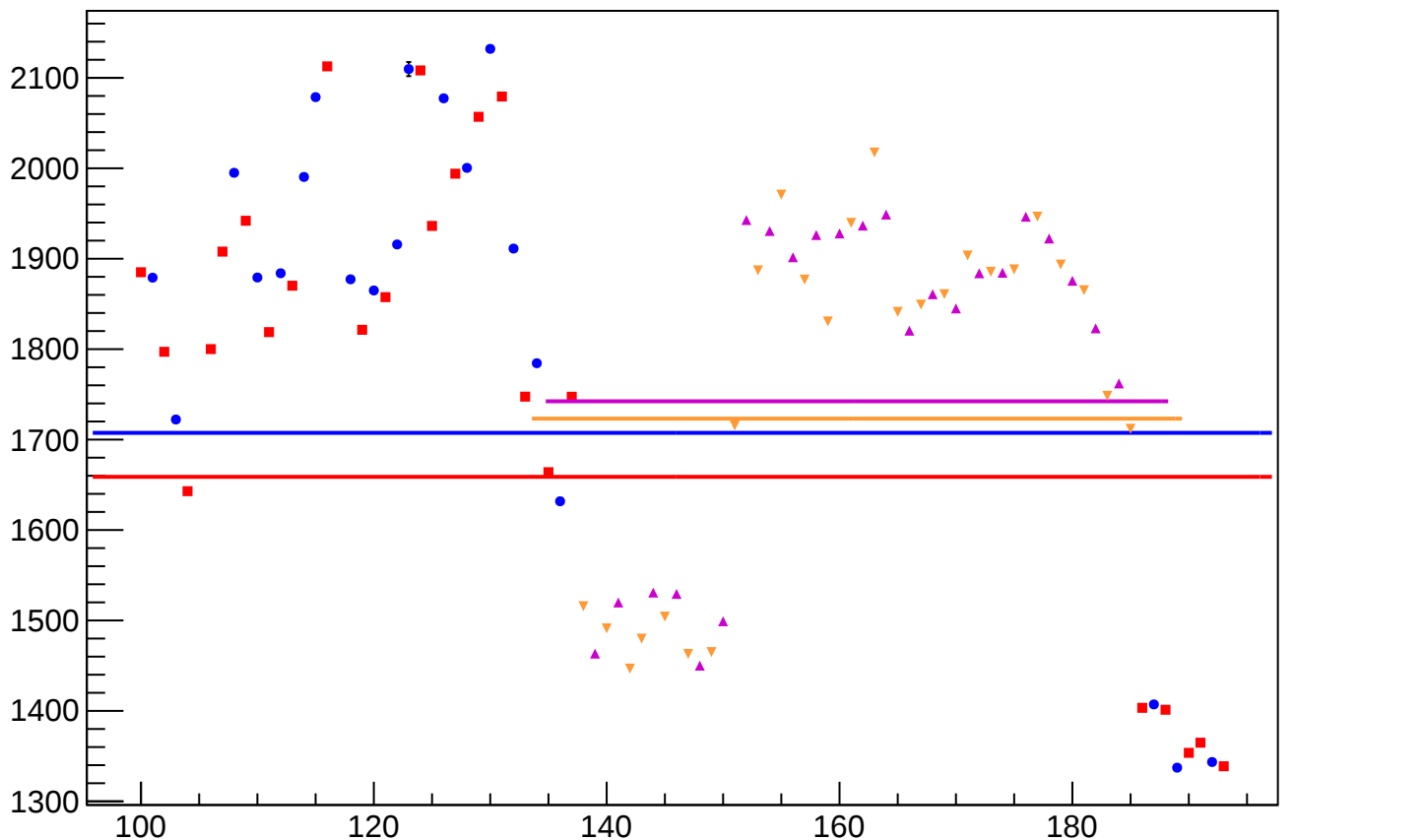
Left In: -0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

+ sign 0.937 ± 0.336 $\chi^2/\text{NDF}: 2181.6/44$

All: 1.406 ± 0.236 $\chi^2/\text{NDF}: 4995.8/91$

- sign -1.865 ± 0.332 $\chi^2/\text{NDF}: 2810.4/46$

diff_bpm0i05Y_rms vs Slug



Right In: 1707.453+/-0.425 χ^2/NDF : 398463.1/19

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

Right Out: 1658.828+/-0.381 χ^2/NDF : 448233.6/23

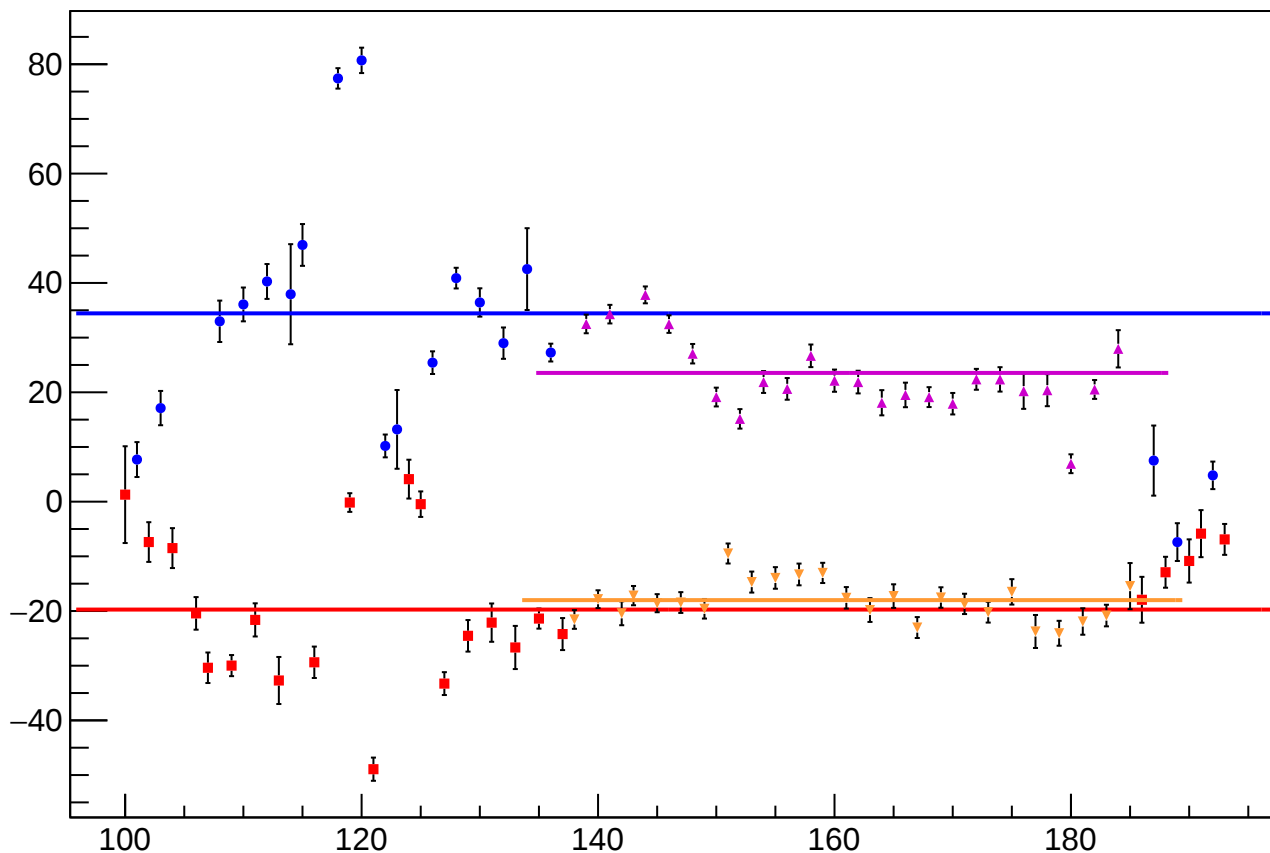
Left In: 1742.354+/-0.298 χ^2/NDF : 435841.5/22

+ sign 1718.281+/-0.237 χ^2/NDF : 876844.2/44

All: 1714.424+/-0.167 χ^2/NDF : 1791306.5/91

- sign 1710.655+/-0.235 χ^2/NDF : 913939.9/46

diff_bpm0i07X_mean vs Slug



Right In: 34.437 ± 0.607 χ^2/NDF : 1542.2/19

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

Right Out: -19.736 ± 0.566 χ^2/NDF : 617.7/23

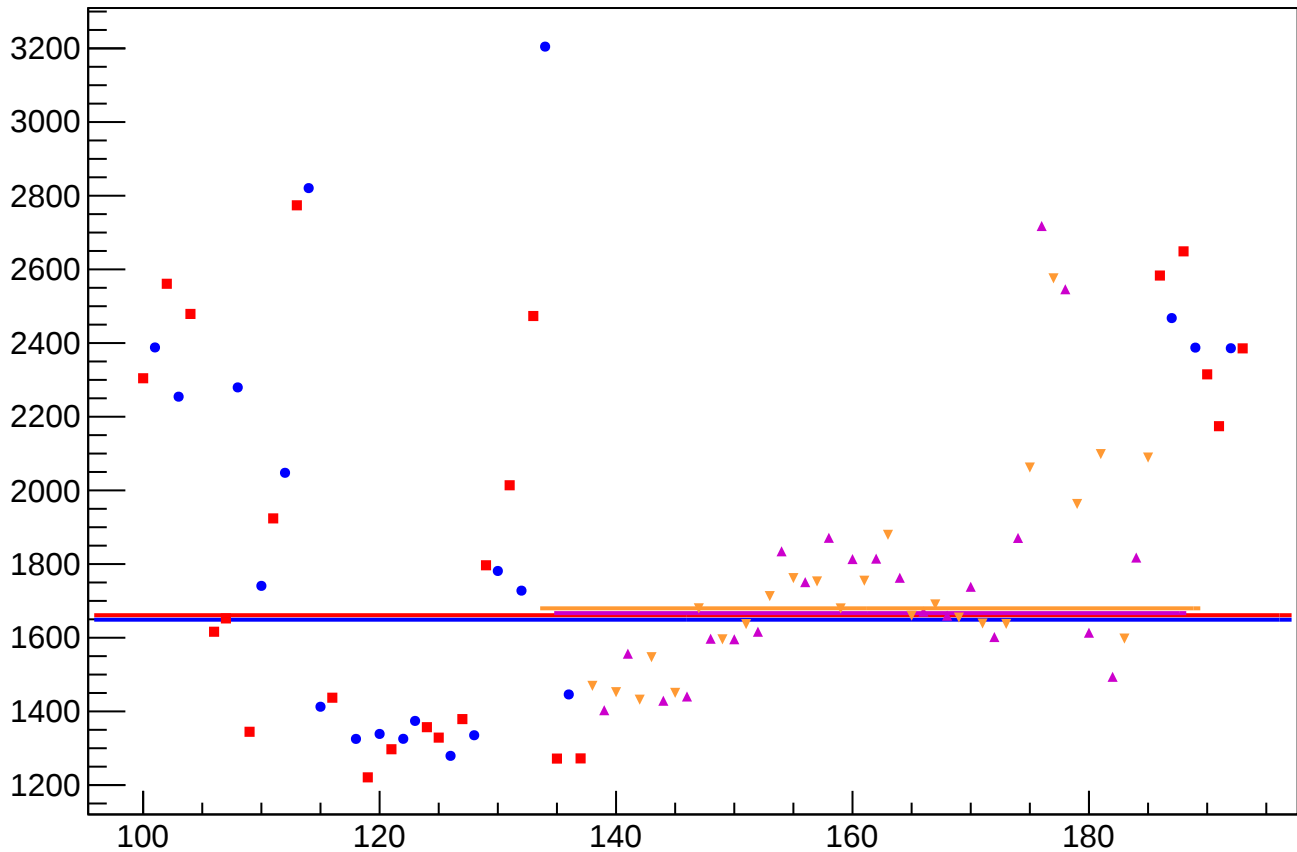
Left In: 23.544 ± 0.406 χ^2/NDF : 346.7/22

+ sign -2.301 ± 0.332 χ^2/NDF : 6850.4/44

All: 3.323 ± 0.234 χ^2/NDF : 12243.7/91

- sign 8.873 ± 0.330 χ^2/NDF : 4823.3/46

diff_bpm0i07X_rms vs Slug



Right In: 1648.984+/-0.429 χ^2/NDF : 995480.5/19

Left Out: 1679.814+/-0.281 χ^2/NDF : 522795.6/24

Right Out: 1661.161+/-0.401 χ^2/NDF : 1521780.3/23

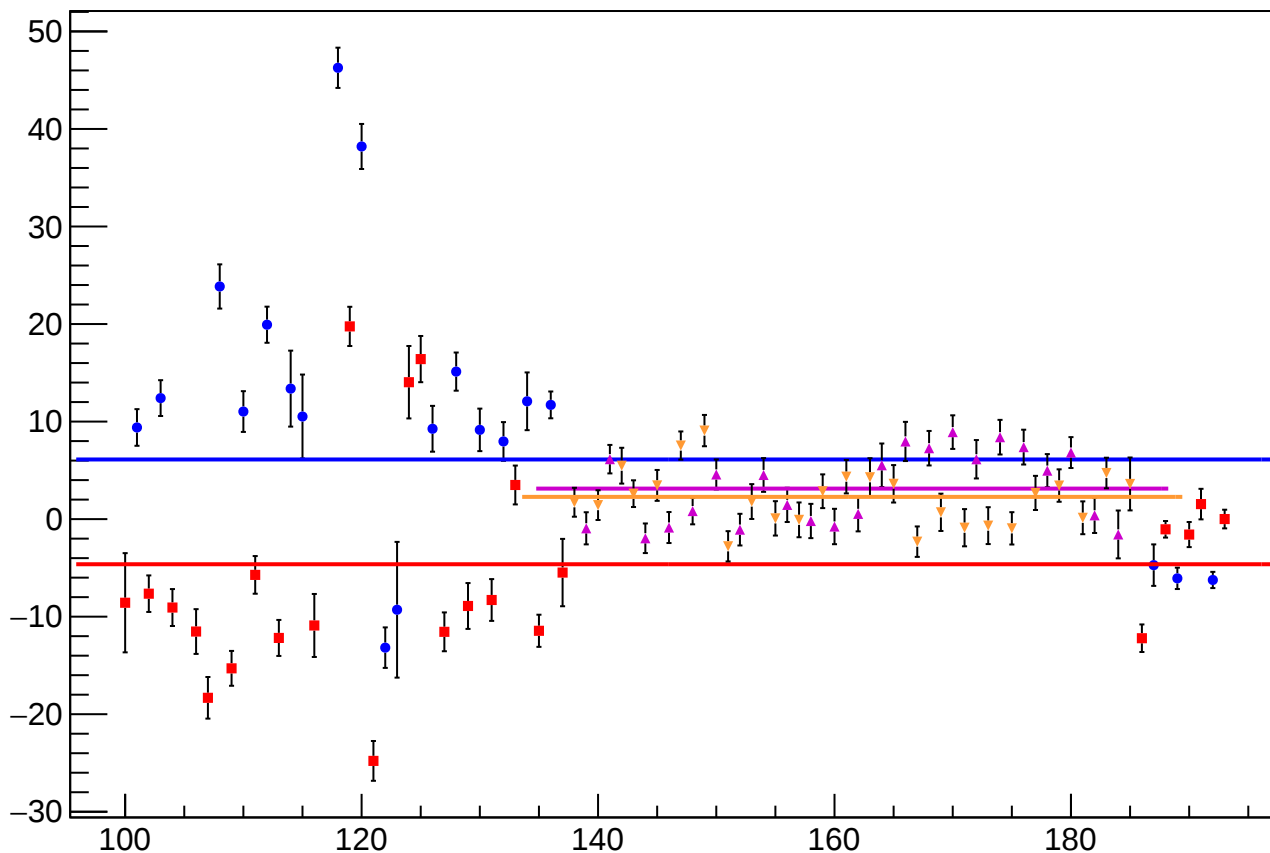
Left In: 1666.819+/-0.287 χ^2/NDF : 650990.8/22

+ sign 1670.581+/-0.235 χ^2/NDF : 1521894.1/44

All: 1667.722+/-0.165 χ^2/NDF : 3695091.7/91

- sign 1664.901+/-0.233 χ^2/NDF : 2172902.9/46

diff_bpm0i07Y_mean vs Slug



Right In: 6.115 ± 0.403 χ^2/NDF : 1221.9/19

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

Right Out: -4.626 ± 0.352 χ^2/NDF : 607.7/23

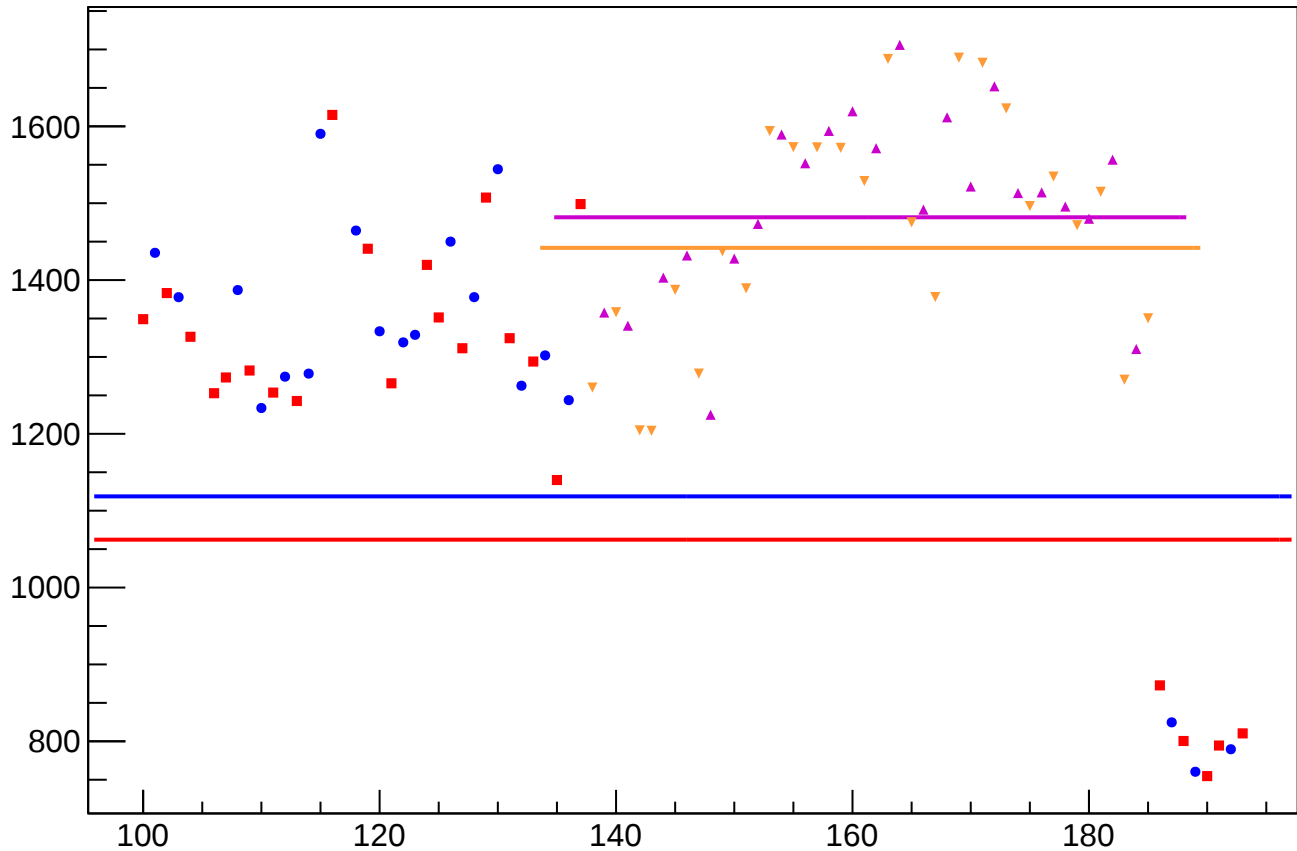
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 3.863 ± 0.259 χ^2/NDF : 1350.6/44

All: 1.450 ± 0.180 χ^2/NDF : 2468.3/91

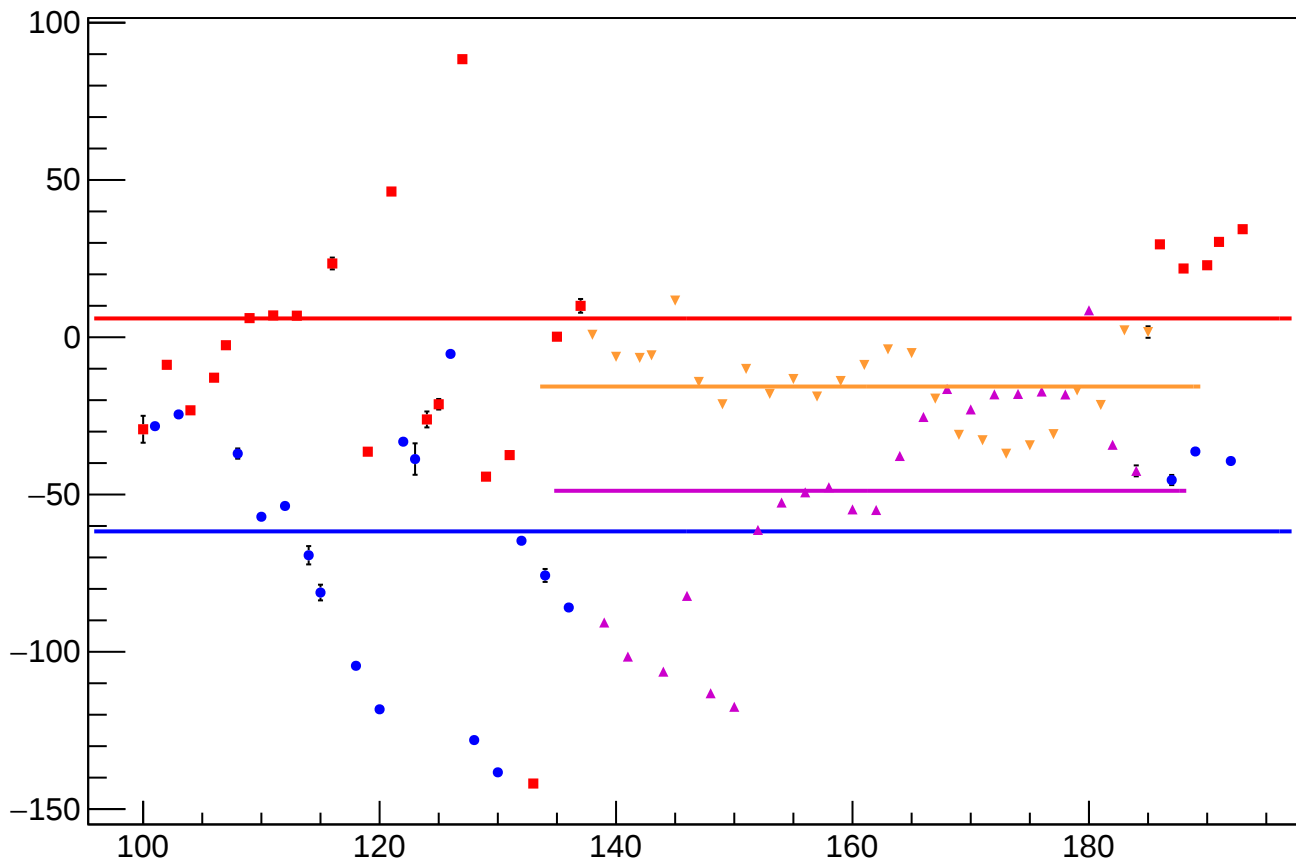
- sign -0.810 ± 0.251 χ^2/NDF : 949.9/46

diff_bpm0i07Y_rms vs Slug

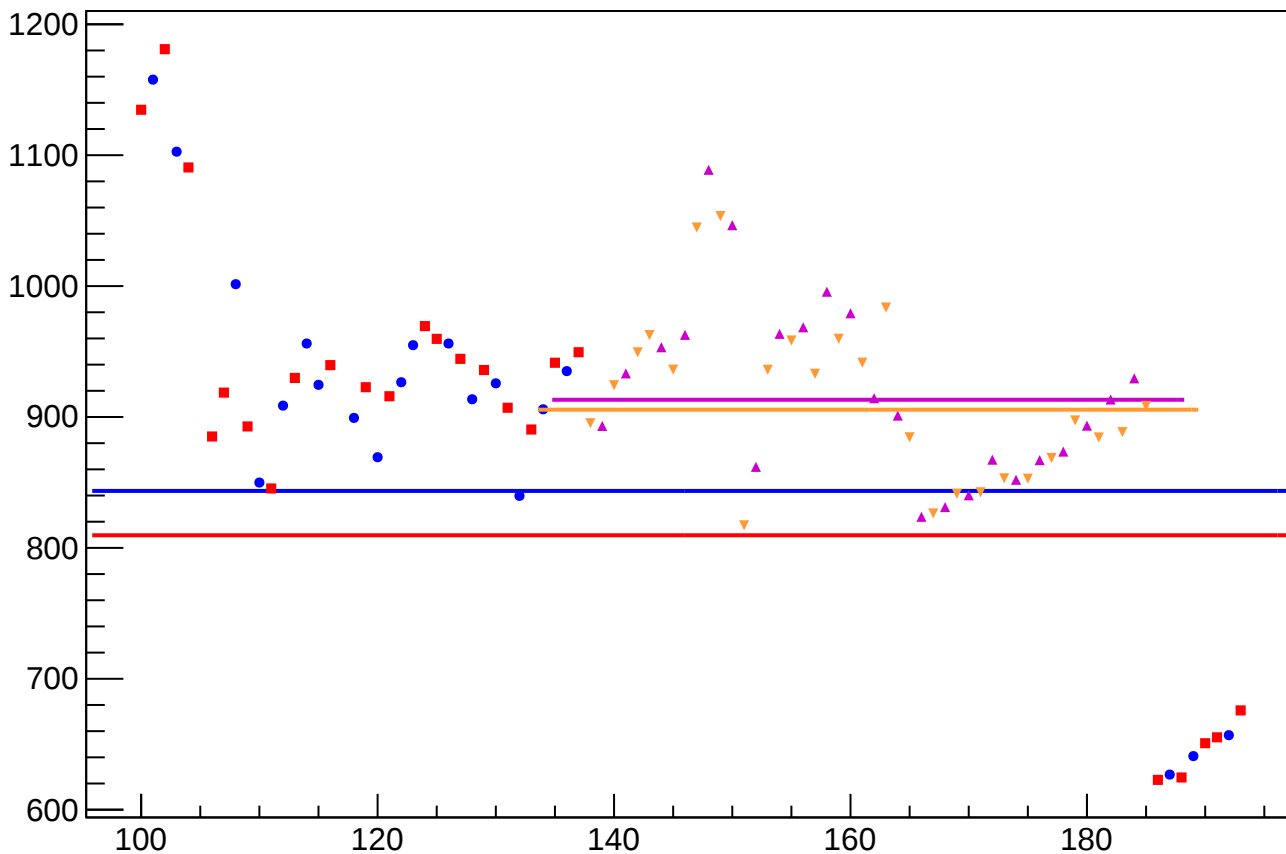


Right In: 1118.623 $\pm$ 0.285	χ^2 /NDF: 1017903.2/19	+ sign 1308.485 $\pm$ 0.183	χ^2 /NDF: 2142888.4/44
Left Out: 1441.951 $\pm$ 0.239	χ^2 /NDF: 370617.4/24	All: 1287.930 $\pm$ 0.127	χ^2 /NDF: 4911033.3/91
Right Out: 1062.307 $\pm$ 0.249	χ^2 /NDF: 1138345.6/23	- sign 1268.674 $\pm$ 0.177	χ^2 /NDF: 2743783.3/46
Left In: 1481.695 $\pm$ 0.253	χ^2 /NDF: 208470.6/22		

diff_bpm1i02X_mean vs Slug



diff_bpm1i02X_rms vs Slug



Right In: 843.523 $\pm$ 0.211 χ^2 /NDF: 511276.9/19

Left Out: 905.578 $\pm$ 0.150 χ^2 /NDF:162073.5/24

Right Out: 809.656 $\pm$ 0.187 χ^2 /NDF: 711869.1/23

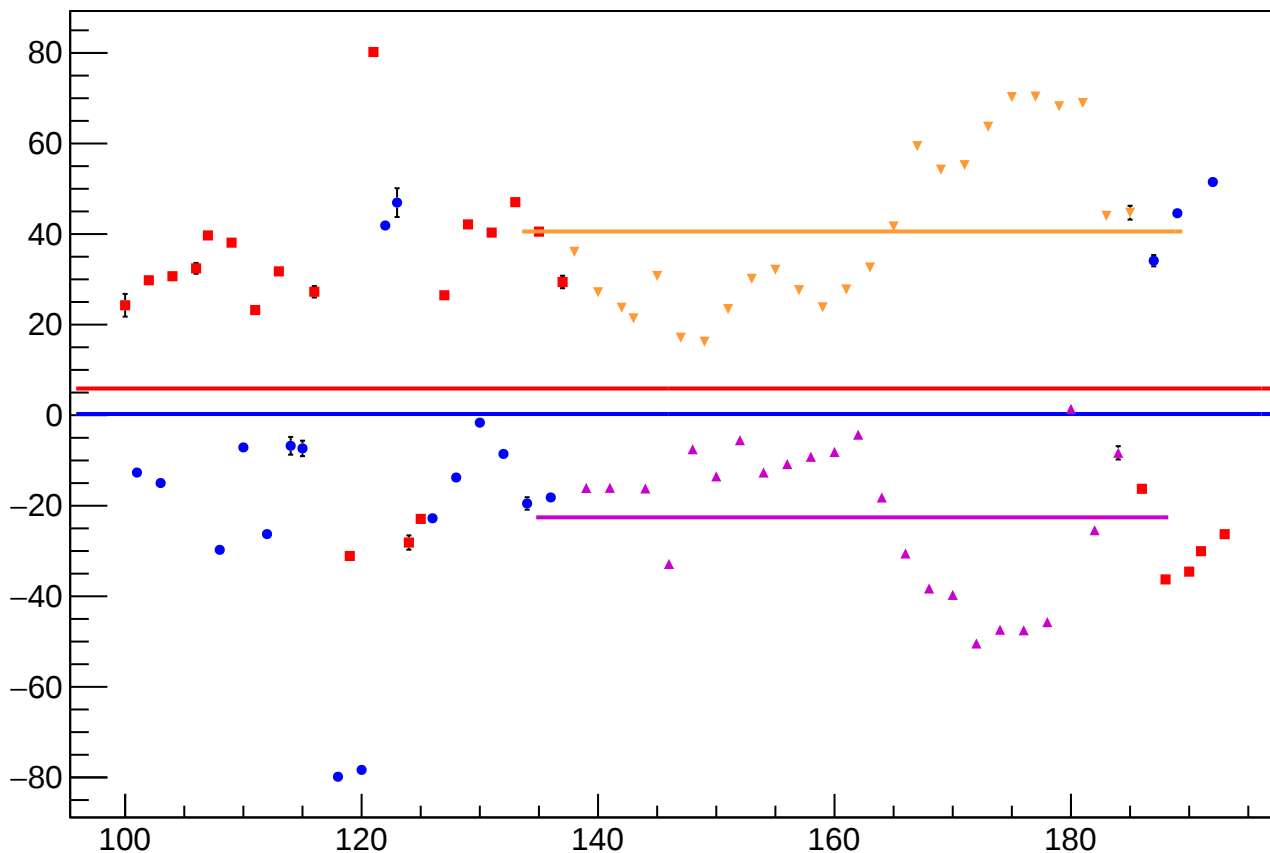
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF:174438.8/22

+ sign 884.804 $\pm$ 0.122 χ^2 /NDF: 730980.9/44

All: 877.697 $\pm$ 0.085 χ^2 /NDF: 1805056.6/91

- sign 870.870 $\pm$ 0.120 χ^2 /NDF: 1067421.1/46

diff_bpm1i02Y_mean vs Slug



Right In: 0.255+/-0.205 χ^2/NDF : 34522.8/19

Left Out: 40.573+/-0.168 χ^2/NDF :12079.0/24

Right Out: 5.887+/-0.185 χ^2/NDF : 36475.4/23

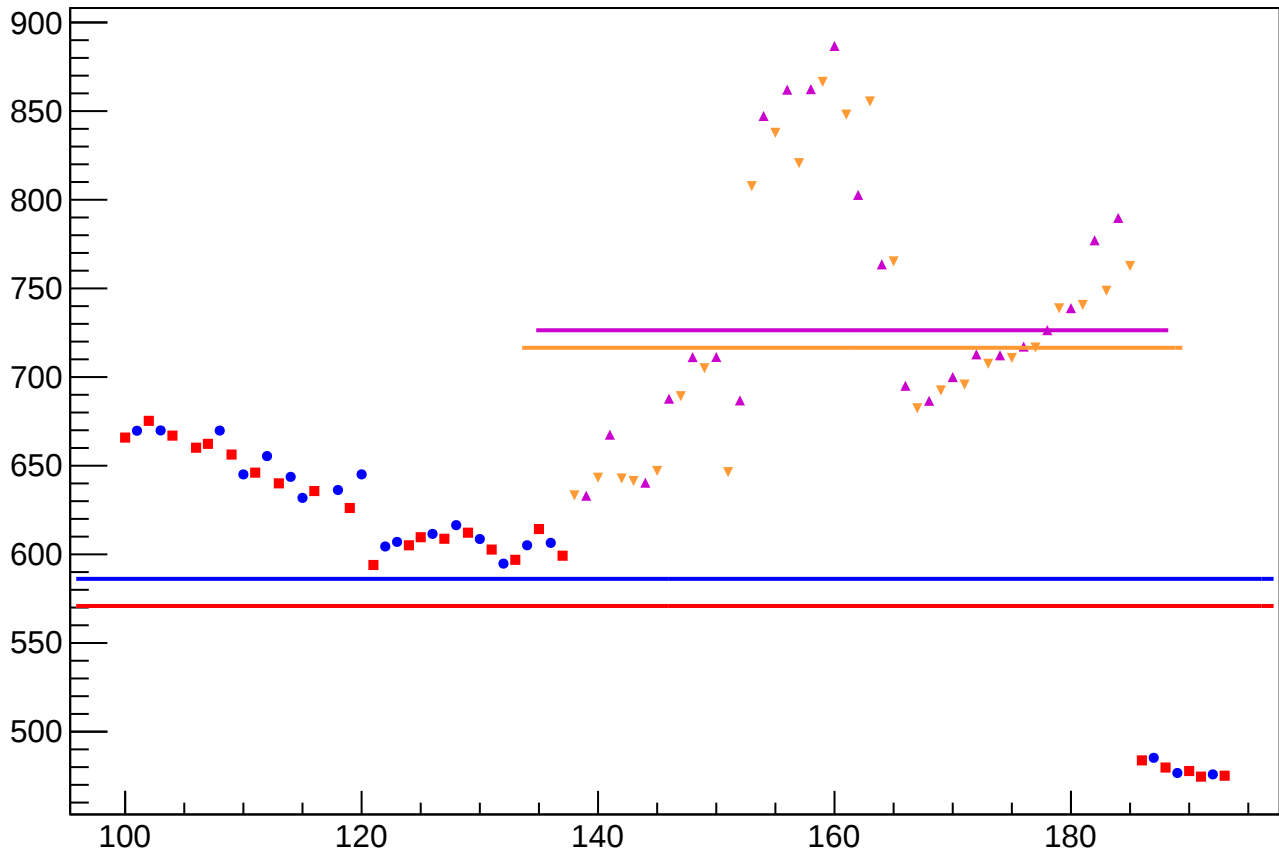
Left In: -22.565+/-0.175 χ^2/NDF :8167.7/22

+ sign 24.436+/-0.130 χ^2/NDF : 69697.6/44

All: 7.306+/-0.091 χ^2/NDF : 160810.0/91

- sign -9.079+/-0.127 χ^2/NDF : 57132.7/46

diff_bpm1i02Y_rms vs Slug



Right In: 586.187 $\pm$ 0.145 χ^2 /NDF: 249203.7/19

Left Out: 716.515 $\pm$ 0.119 χ^2 /NDF: 342740.2/24

Right Out: 570.887 $\pm$ 0.131 χ^2 /NDF: 343673.3/23

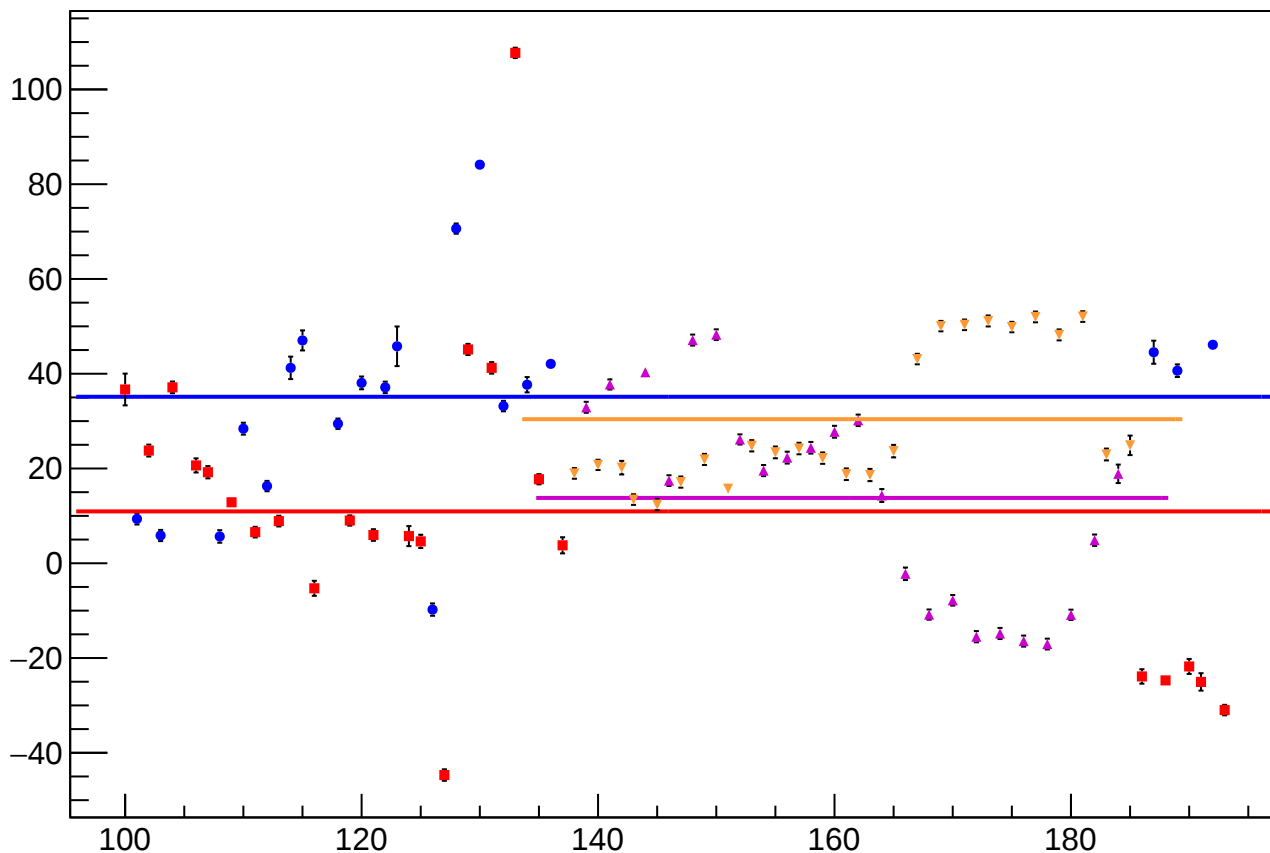
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF: 289788.8/22

+ sign 664.351 $\pm$ 0.092 χ^2 /NDF: 1074616.0/44

All: 658.385 $\pm$ 0.064 χ^2 /NDF: 2462466.2/91

- sign 652.679 $\pm$ 0.090 χ^2 /NDF: 1379607.7/46

diff_bpm1i04X_mean vs Slug



Right In: 35.136 ± 0.279 $\chi^2/\text{NDF}: 6607.5/19$

Left Out: 30.408 ± 0.237 $\chi^2/\text{NDF}: 3808.0/24$

Right Out: 10.943 ± 0.262 $\chi^2/\text{NDF}: 16359.4/23$

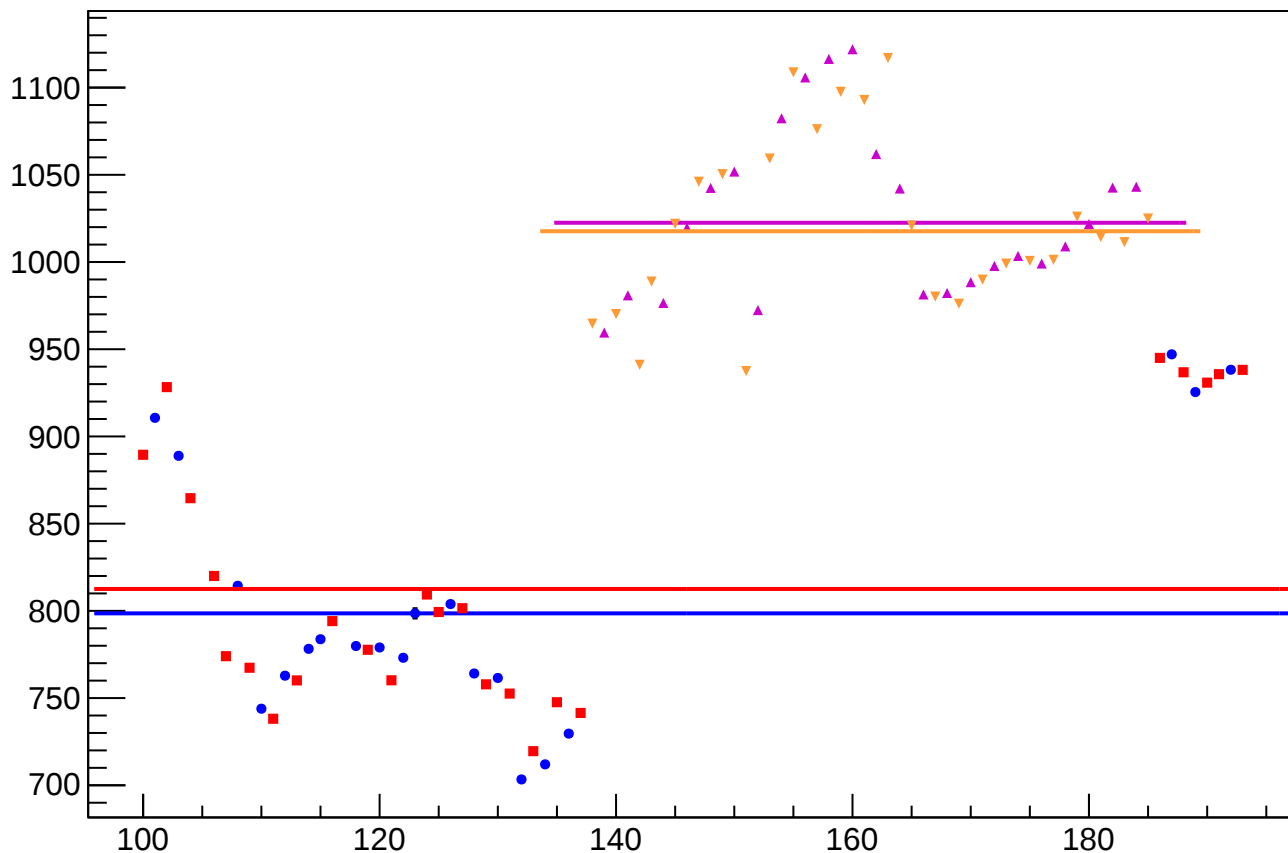
Left In: 13.787 ± 0.246 $\chi^2/\text{NDF}: 7979.7/22$

+ sign 32.393 ± 0.181 $\chi^2/\text{NDF}: 10582.1/44$

All: 22.332 ± 0.127 $\chi^2/\text{NDF}: 41119.7/91$

- sign 12.454 ± 0.179 $\chi^2/\text{NDF}: 24401.9/46$

diff_bpm1i04X_rms vs Slug



Right In: 798.570 ± 0.197 $\chi^2/\text{NDF}: 143657.9/19$

Left Out: 1017.653 ± 0.168 $\chi^2/\text{NDF}: 83612.5/24$

Right Out: 812.551 ± 0.185 $\chi^2/\text{NDF}: 173059.3/23$

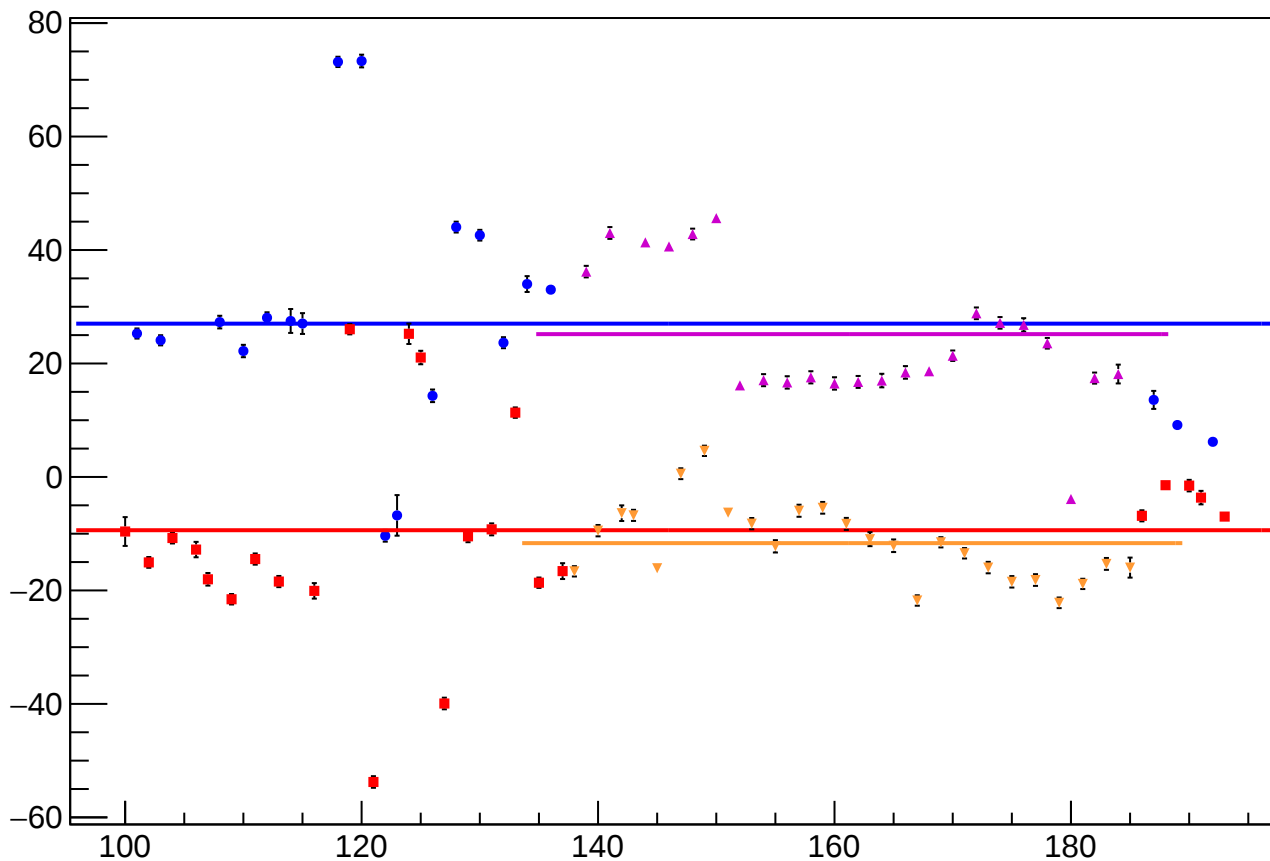
Left In: 1022.511 ± 0.174 $\chi^2/\text{NDF}: 69635.5/22$

+ sign 925.669 ± 0.128 $\chi^2/\text{NDF}: 942412.9/44$

All: 924.871 ± 0.090 $\chi^2/\text{NDF}: 1869095.3/91$

- sign 924.088 ± 0.127 $\chi^2/\text{NDF}: 926605.3/46$

diff_bpm1i04Y_mean vs Slug



Right In: 27.021 ± 0.223 χ^2/NDF : 8230.6/19

Left Out: -11.664 ± 0.200 χ^2/NDF : 1147.4/24

Right Out: -9.387 ± 0.206 χ^2/NDF : 6656.3/23

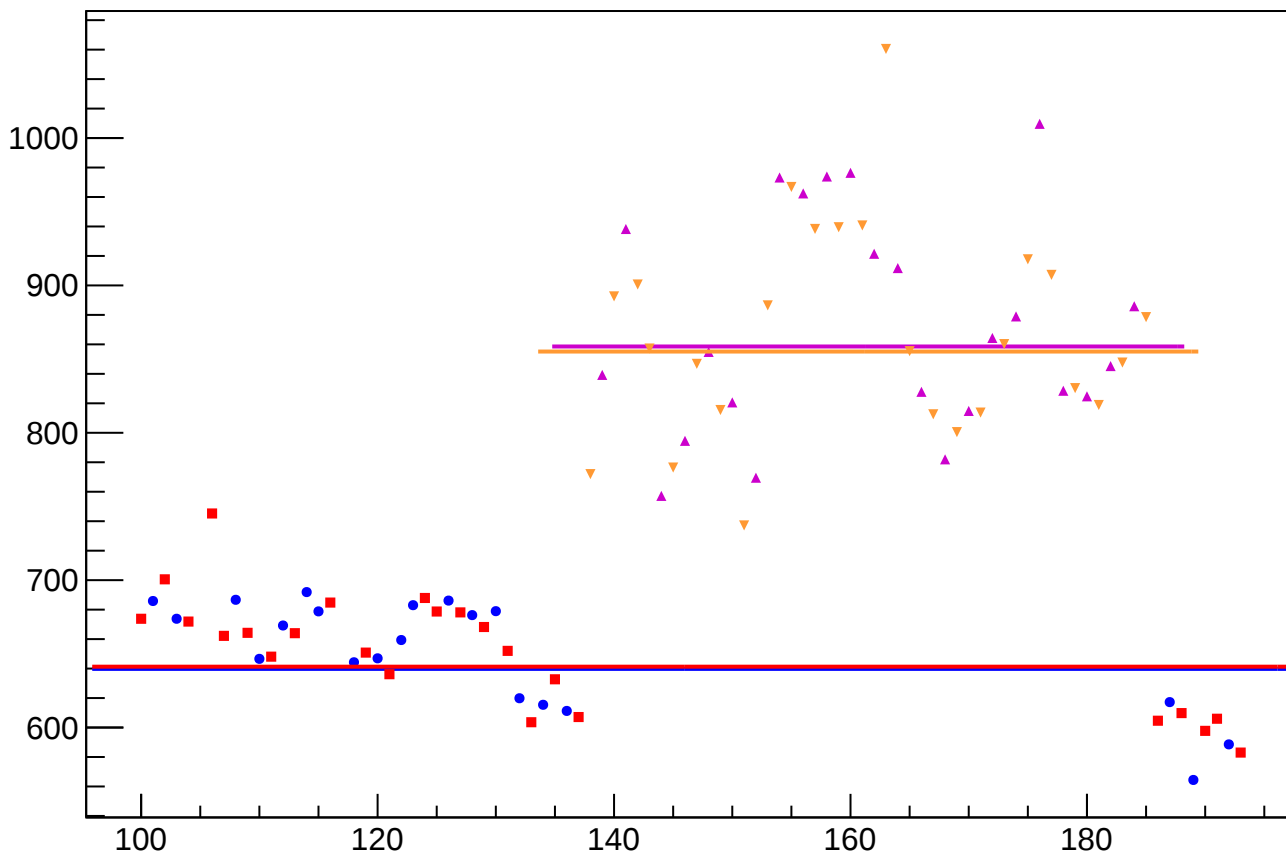
Left In: 25.174 ± 0.207 χ^2/NDF : 3747.1/22

+ sign 5.594 ± 0.149 χ^2/NDF : 26020.8/44

All: 6.710 ± 0.104 χ^2/NDF : 50510.4/91

- sign 7.783 ± 0.146 χ^2/NDF : 24379.7/46

diff_bpm1i04Y_rms vs Slug



Right In: 639.797 $\pm$ 0.158 χ^2 /NDF: 62828.3/19

Left Out: 855.131 $\pm$ 0.142 χ^2 /NDF: 233746.7/24

Right Out: 641.288 $\pm$ 0.146 χ^2 /NDF: 66800.4/23

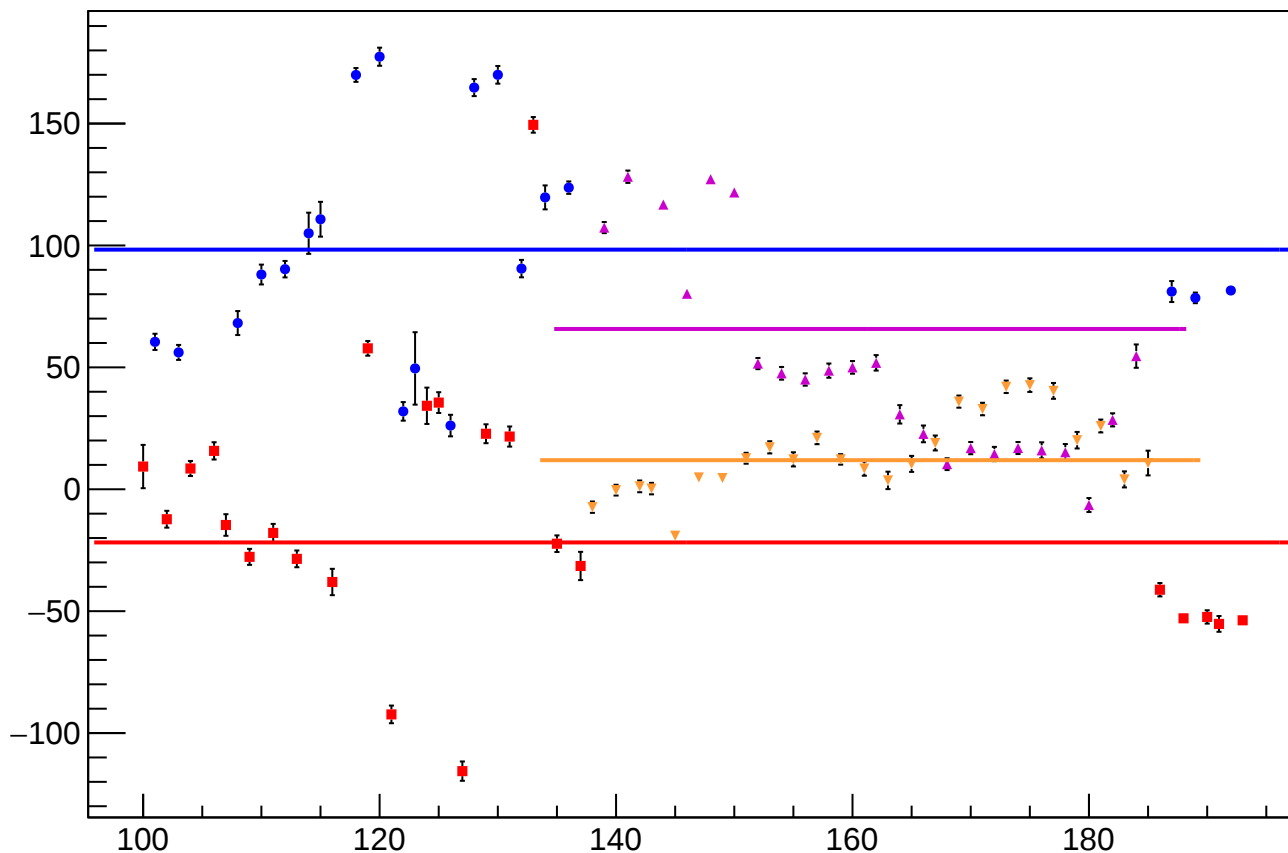
Left In: 858.563 $\pm$ 0.147 χ^2 /NDF: 239019.8/22

+ sign 759.069 $\pm$ 0.105 χ^2 /NDF: 1327926.2/44

All: 754.055 $\pm$ 0.074 χ^2 /NDF: 2742957.1/91

- sign 749.233 $\pm$ 0.103 χ^2 /NDF: 1410591.1/46

diff_bpm1i06X_mean vs Slug



Right In: 98.291 ± 0.745 χ^2/NDF : 3122.7/19

Left Out: 11.938 ± 0.505 χ^2/NDF : 976.6/24

Right Out: -21.807 ± 0.664 χ^2/NDF : 6106.5/23

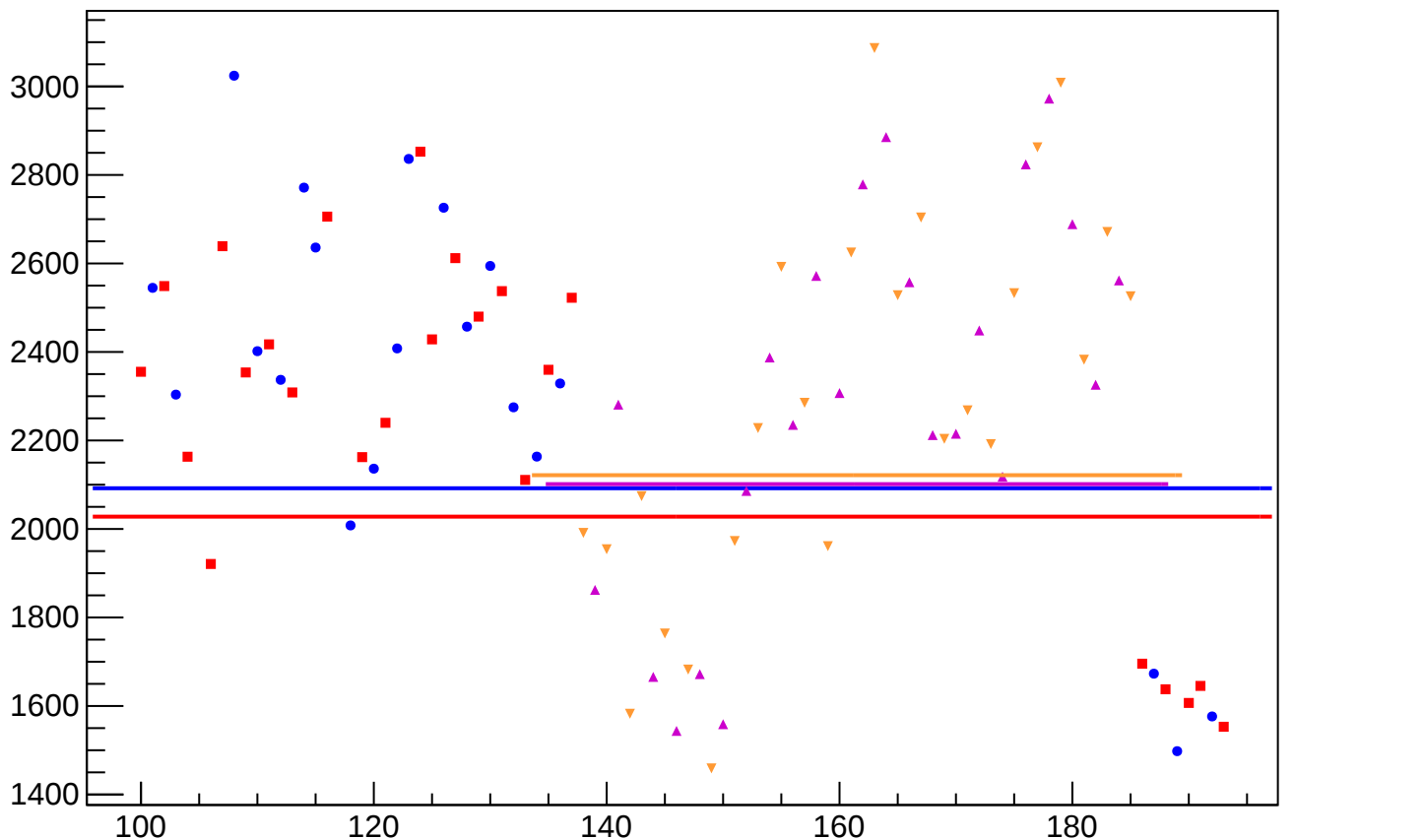
Left In: 65.752 ± 0.518 χ^2/NDF : 7335.8/22

+ sign 39.140 ± 0.418 χ^2/NDF : 13298.5/44

All: 35.824 ± 0.292 χ^2/NDF : 37674.1/91

- sign 32.664 ± 0.408 χ^2/NDF : 24252.8/46

diff_bpm1i06X_rms vs Slug



Right In: 2091.997 $\pm$ 0.527 χ^2 /NDF: 670980.2/19

Left Out: 2121.567 $\pm$ 0.357 χ^2 /NDF:1387847.6/24

Right Out: 2027.884 $\pm$ 0.470 χ^2 /NDF: 706545.7/23

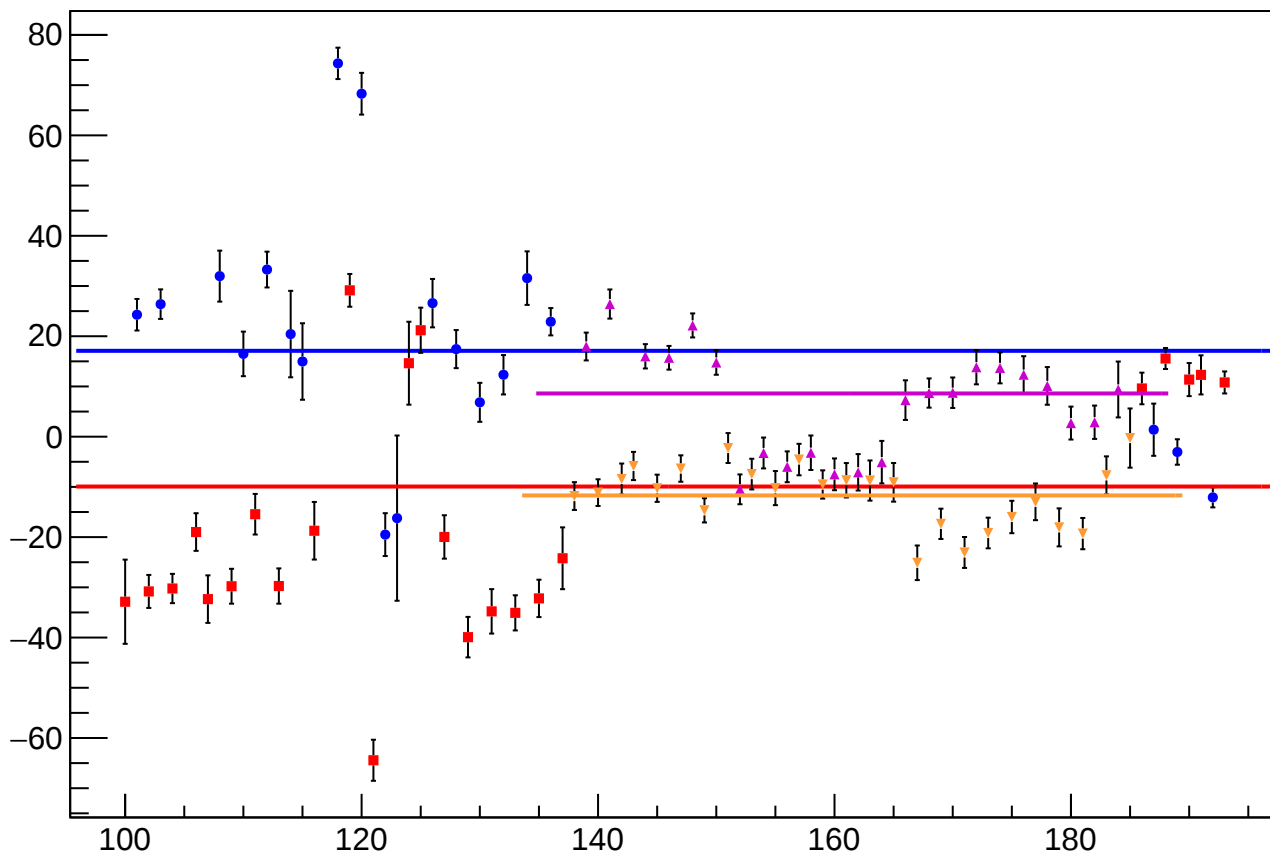
Left In: 2101.325 $\pm$ 0.366 χ^2 /NDF:1360518.3/22

+ sign 2112.252 $\pm$ 0.296 χ^2 /NDF: 2060985.2/44

All: 2092.448 $\pm$ 0.207 χ^2 /NDF: 4152019.1/91

- sign 2073.572 $\pm$ 0.289 χ^2 /NDF: 2082274.8/46

diff_bpm1i06Y_mean vs Slug



Right In: 17.096 ± 0.818 $\chi^2/\text{NDF}: 920.0/19$

Left Out: -11.700 ± 0.625 $\chi^2/\text{NDF}: 85.0/24$

Right Out: -9.927 ± 0.734 $\chi^2/\text{NDF}: 1107.1/23$

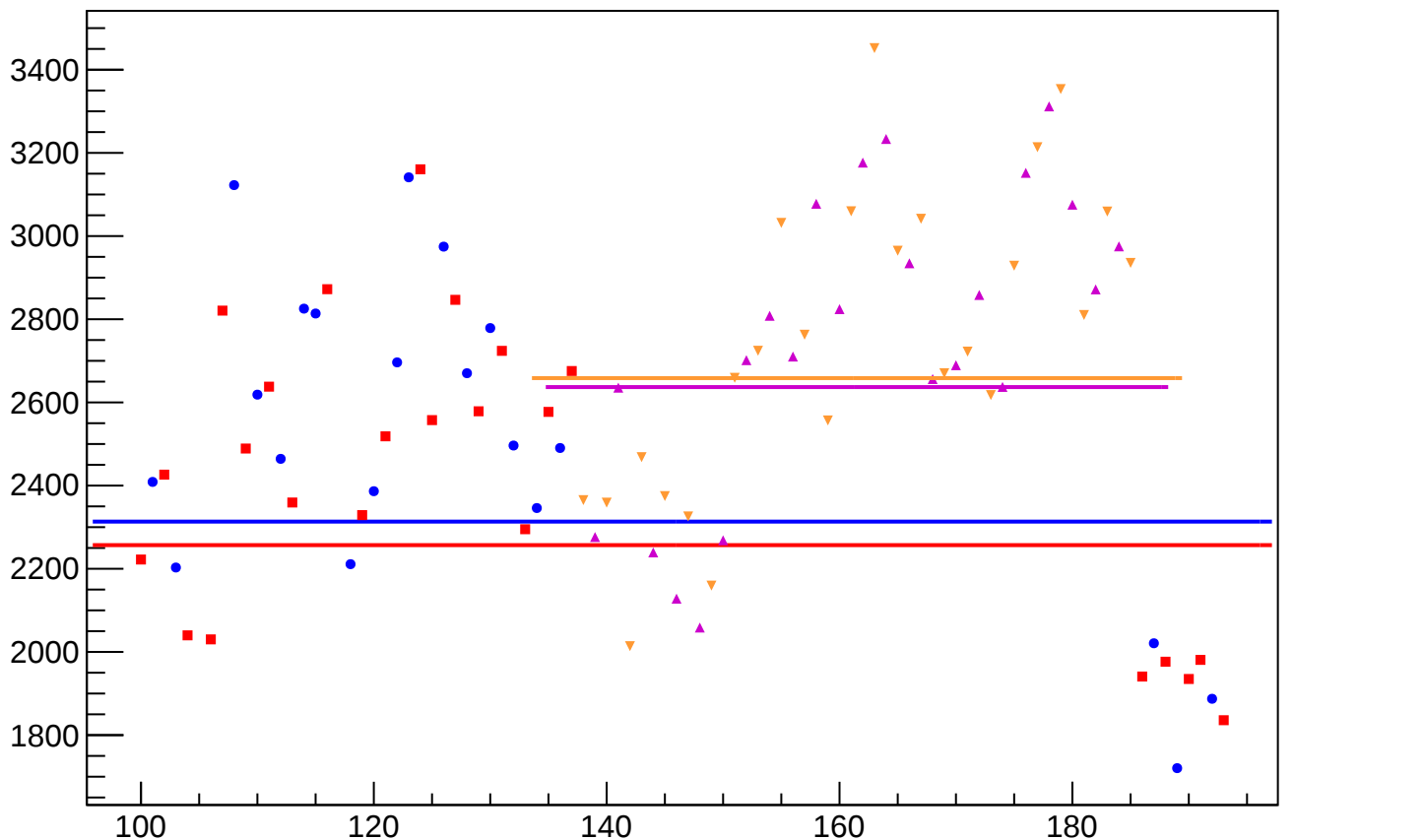
Left In: 8.606 ± 0.642 $\chi^2/\text{NDF}: 264.2/22$

+ sign -1.082 ± 0.497 $\chi^2/\text{NDF}: 1786.6/44$

All: -0.230 ± 0.346 $\chi^2/\text{NDF}: 3524.8/91$

- sign 0.576 ± 0.483 $\chi^2/\text{NDF}: 1732.5/46$

diff_bpm1i06Y_rms vs Slug



Right In: 2313.405 $\pm$ 0.579 χ^2 /NDF: 412053.6/19

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 2256.839 $\pm$ 0.519 χ^2 /NDF: 401184.3/23

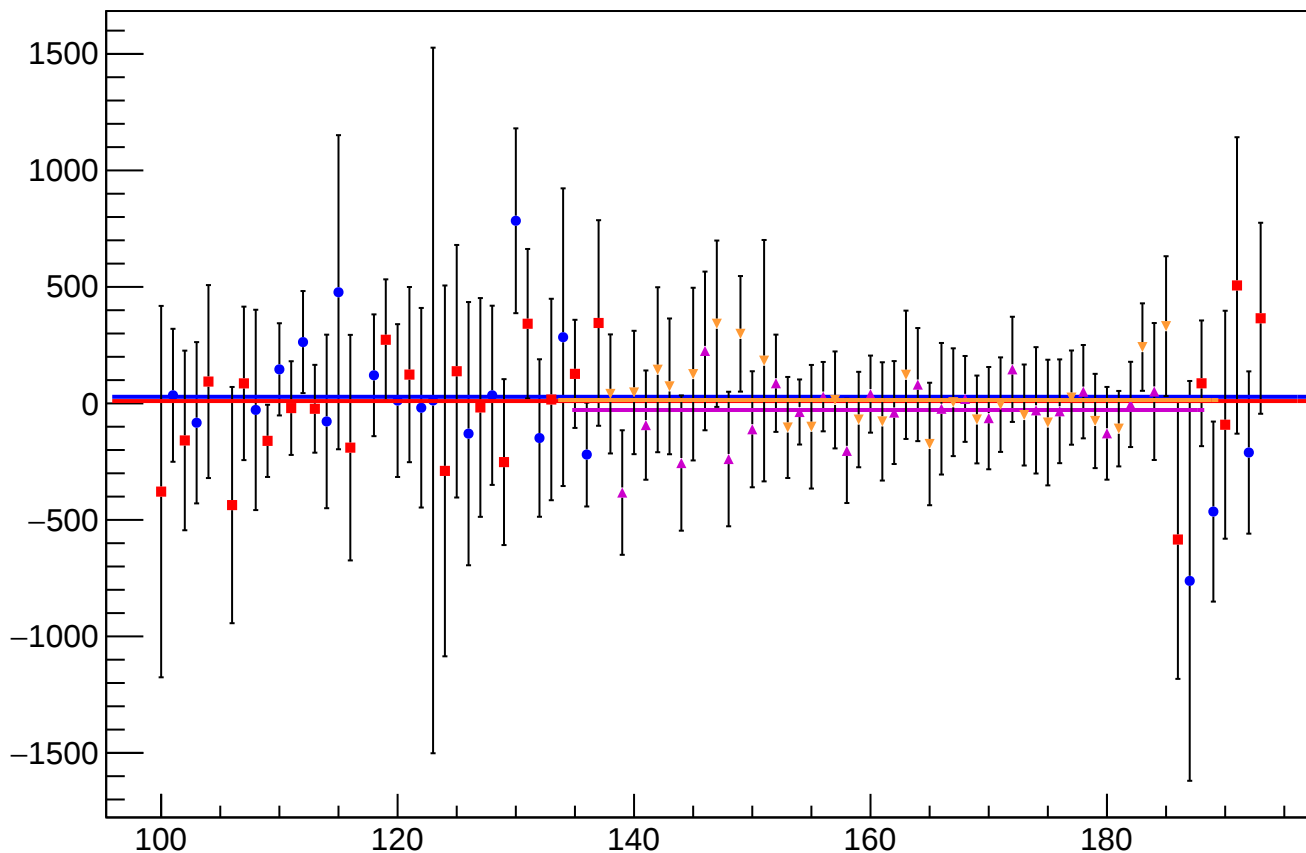
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2531.250 $\pm$ 0.351 χ^2 /NDF: 1254671.0/44

All: 2500.908 $\pm$ 0.245 χ^2 /NDF: 2627002.6/91

- sign 2472.215 $\pm$ 0.342 χ^2 /NDF: 1357824.2/46

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 28.395 ± 75.472 χ^2/NDF : 10.6/19

Left Out: 14.520 ± 47.528 χ^2/NDF : 7.8/24

Right Out: 10.080 ± 65.473 χ^2/NDF : 9.0/23

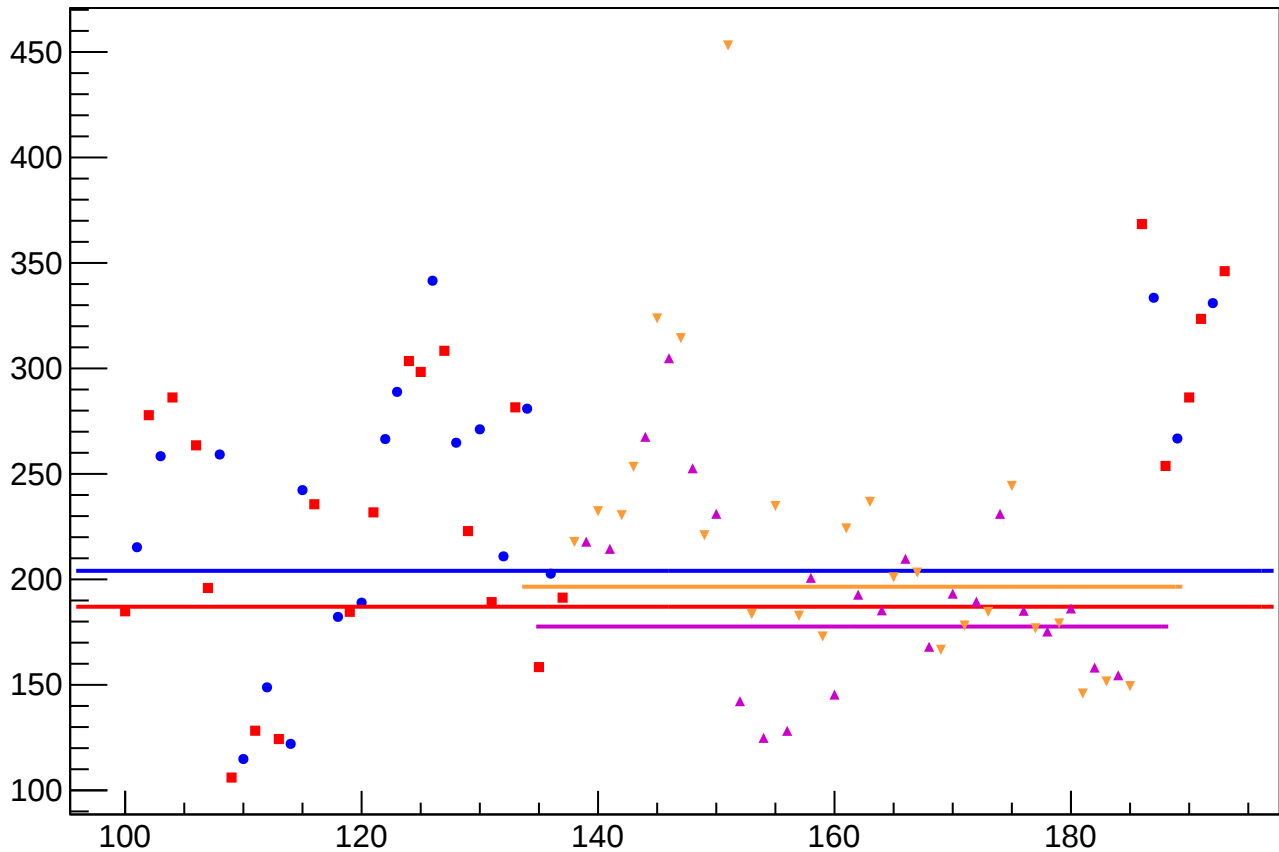
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign 18.460 ± 40.218 χ^2/NDF : 18.4/44

All: -0.328 ± 27.183 χ^2/NDF : 34.3/91

- sign -16.128 ± 36.882 χ^2/NDF : 15.5/46

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 204.061 $\pm$ 0.053 χ^2 /NDF: 1408773.4/19

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF: 1789504.4/24

Right Out: 187.038 $\pm$ 0.046 χ^2 /NDF: 2448723.4/23

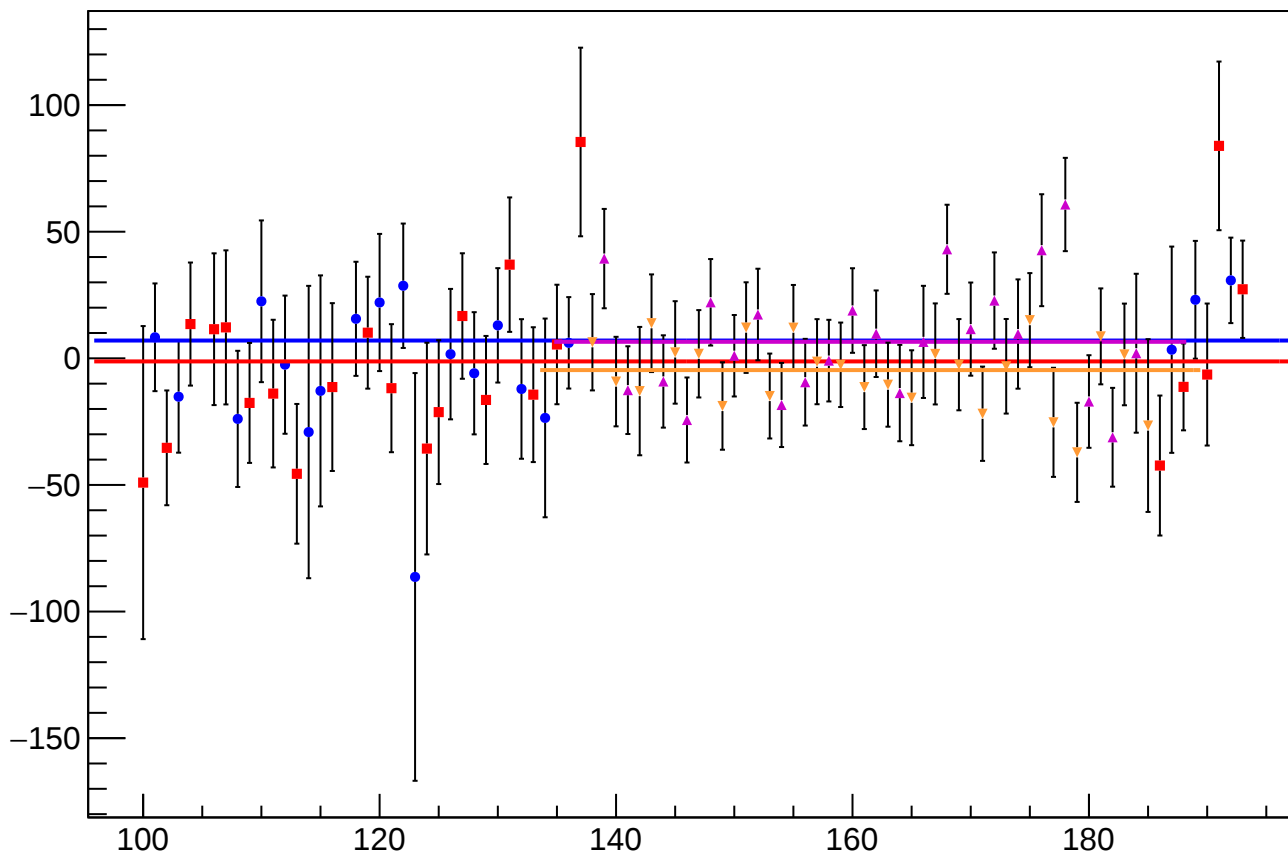
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF: 1630664.5/22

+ sign 198.657 $\pm$ 0.028 χ^2 /NDF: 3212596.2/44

All: 188.862 $\pm$ 0.019 χ^2 /NDF: 7538500.4/91

- sign 180.624 $\pm$ 0.026 χ^2 /NDF: 4107497.6/46

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 7.025 ± 5.767 χ^2/NDF : 9.8/19

Left Out: -4.646 ± 3.728 χ^2/NDF : 12.1/24

Right Out: -1.219 ± 5.358 χ^2/NDF : 28.6/23

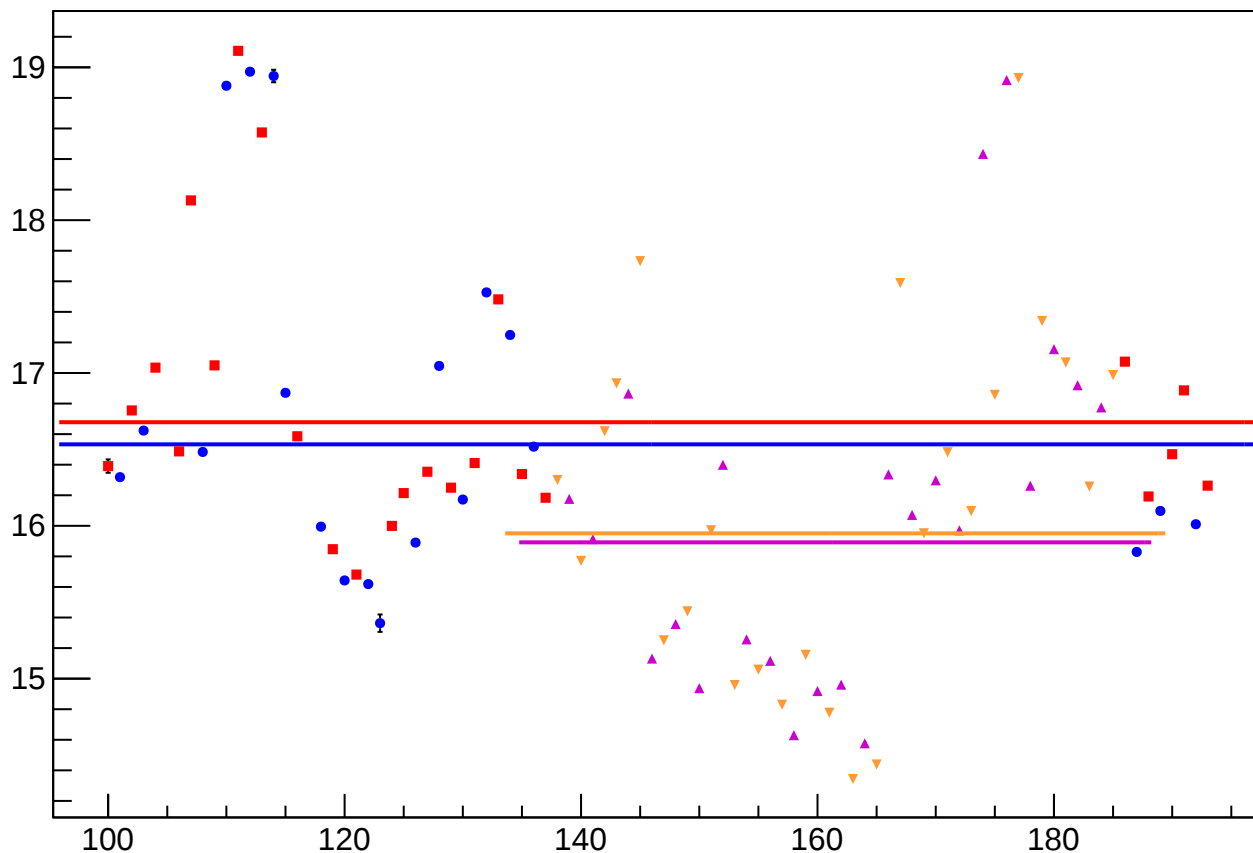
Left In: 6.526 ± 3.828 χ^2/NDF : 36.4/22

+ sign -1.206 ± 3.131 χ^2/NDF : 24.8/44

All: 1.365 ± 2.208 χ^2/NDF : 92.5/91

- sign 3.909 ± 3.115 χ^2/NDF : 66.4/46

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.533 $\pm$ 0.004 χ^2 /NDF: 46266.5/19

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF:173458.5/24

Right Out: 16.678 $\pm$ 0.004 χ^2 /NDF: 42827.8/23

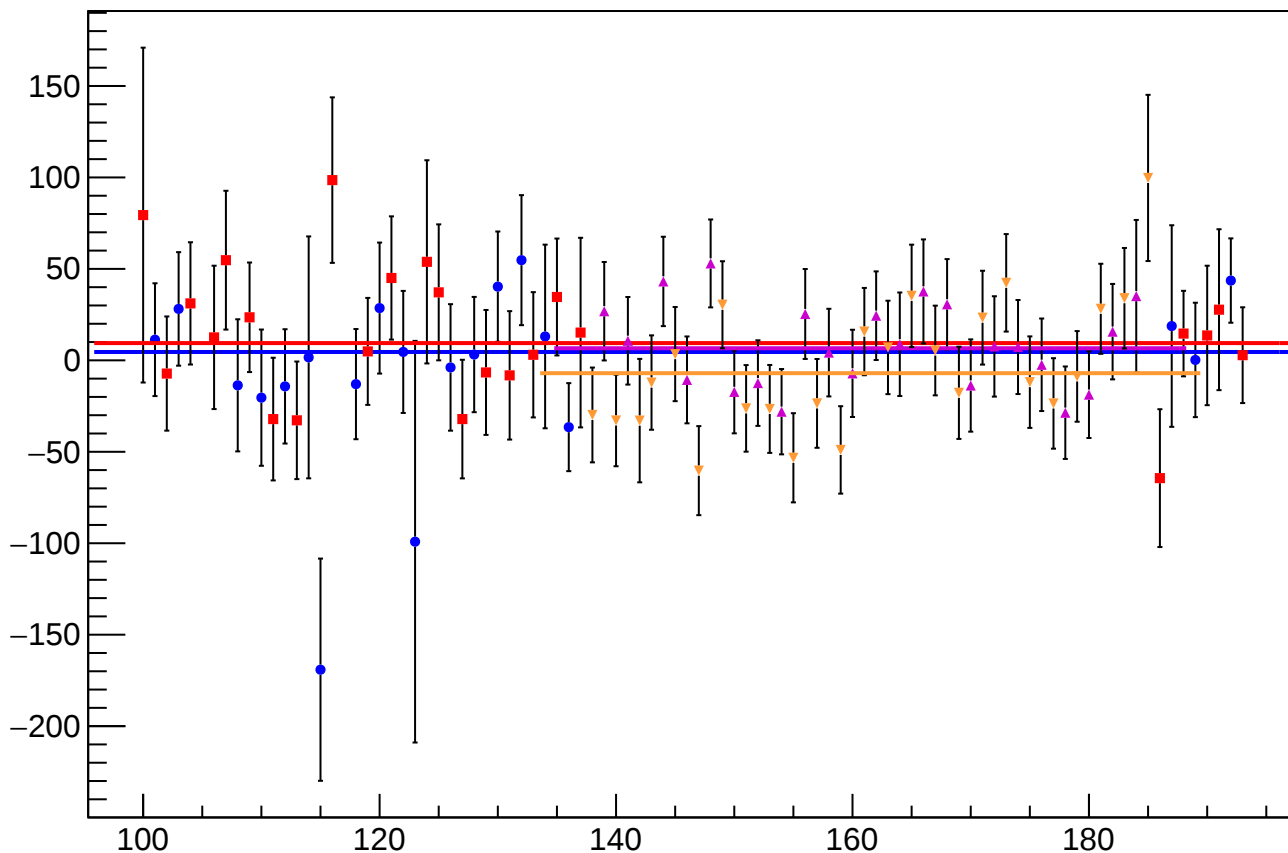
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF:147093.3/22

+ sign 16.122 $\pm$ 0.002 χ^2 /NDF: 234113.9/44

All: 16.140 $\pm$ 0.002 χ^2 /NDF: 452659.6/91

- sign 16.157 $\pm$ 0.002 χ^2 /NDF: 218419.6/46

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.567 ± 7.657 χ^2/NDF : 20.9/19

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 9.436 ± 7.077 χ^2/NDF : 19.3/23

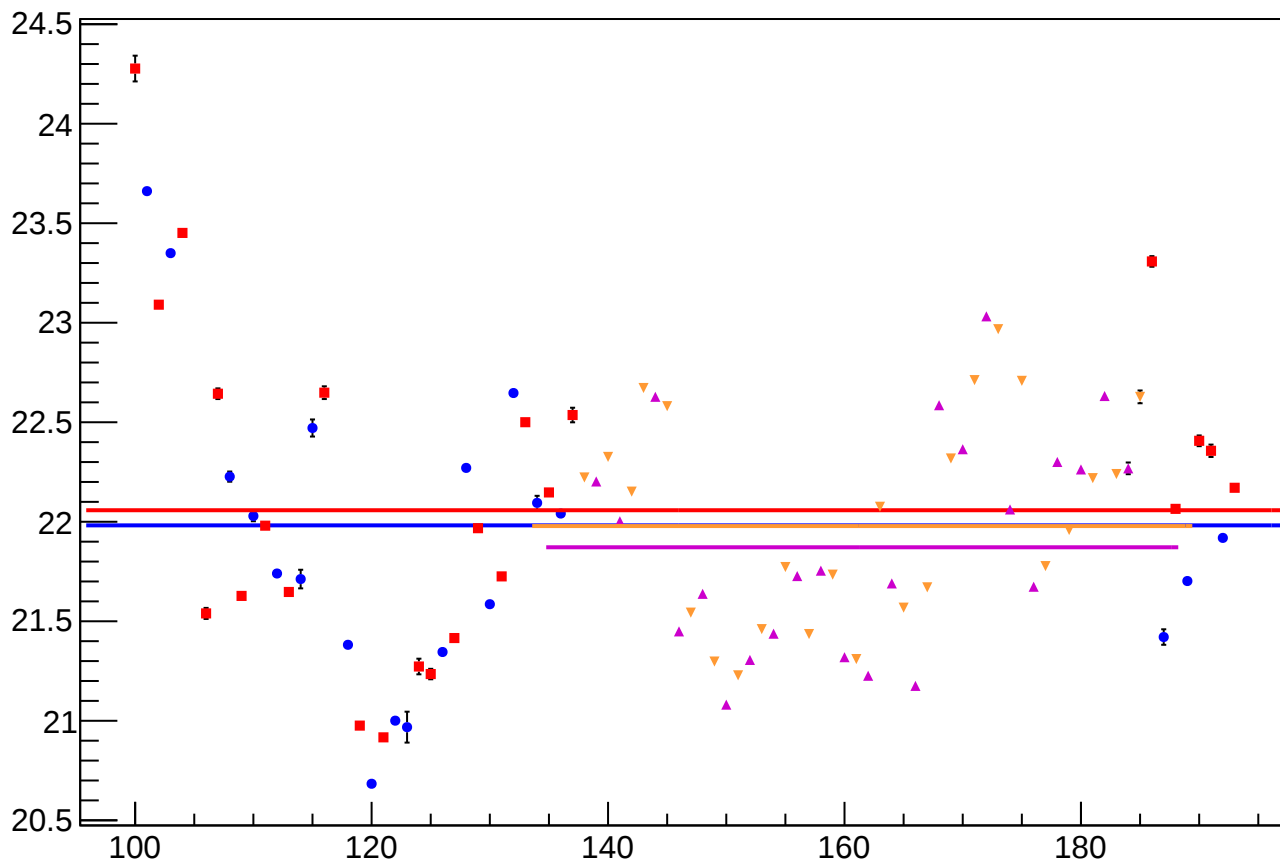
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -3.437 ± 4.257 χ^2/NDF : 59.9/44

All: 2.140 ± 2.996 χ^2/NDF : 101.9/91

- sign 7.615 ± 4.217 χ^2/NDF : 38.6/46

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.982 $\pm$ 0.005 χ^2 /NDF: 17813.3/19

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF:19430.2/24

Right Out: 22.058 $\pm$ 0.005 χ^2 /NDF: 19167.2/23

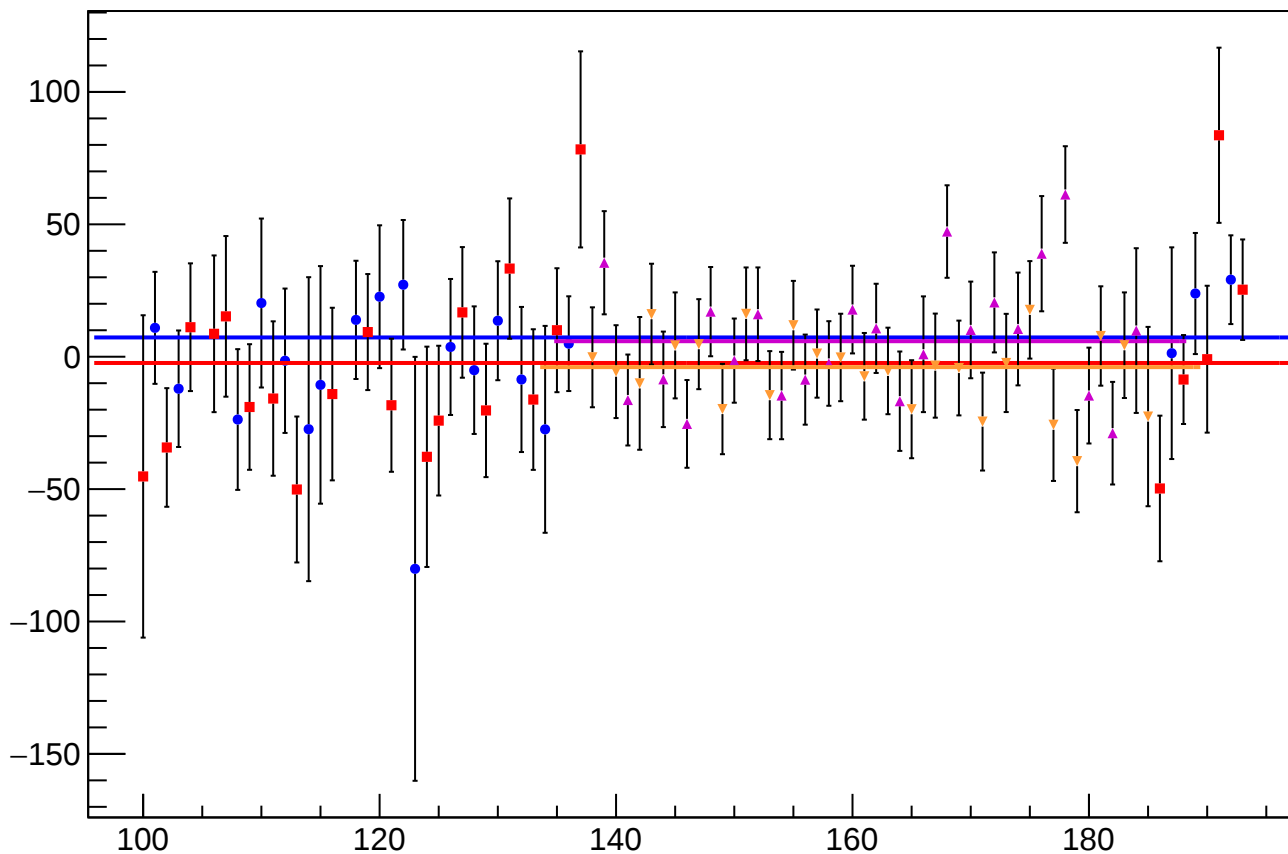
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

+ sign 21.979 $\pm$ 0.003 χ^2 /NDF: 37243.8/44

All: 21.958 $\pm$ 0.002 χ^2 /NDF: 77924.3/91

- sign 21.938 $\pm$ 0.003 χ^2 /NDF: 40584.2/46

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 7.280 ± 5.728 $\chi^2/\text{NDF}: 9.0/19$

Left Out: -3.927 ± 3.688 $\chi^2/\text{NDF}: 14.0/24$

Right Out: -2.362 ± 5.316 $\chi^2/\text{NDF}: 29.4/23$

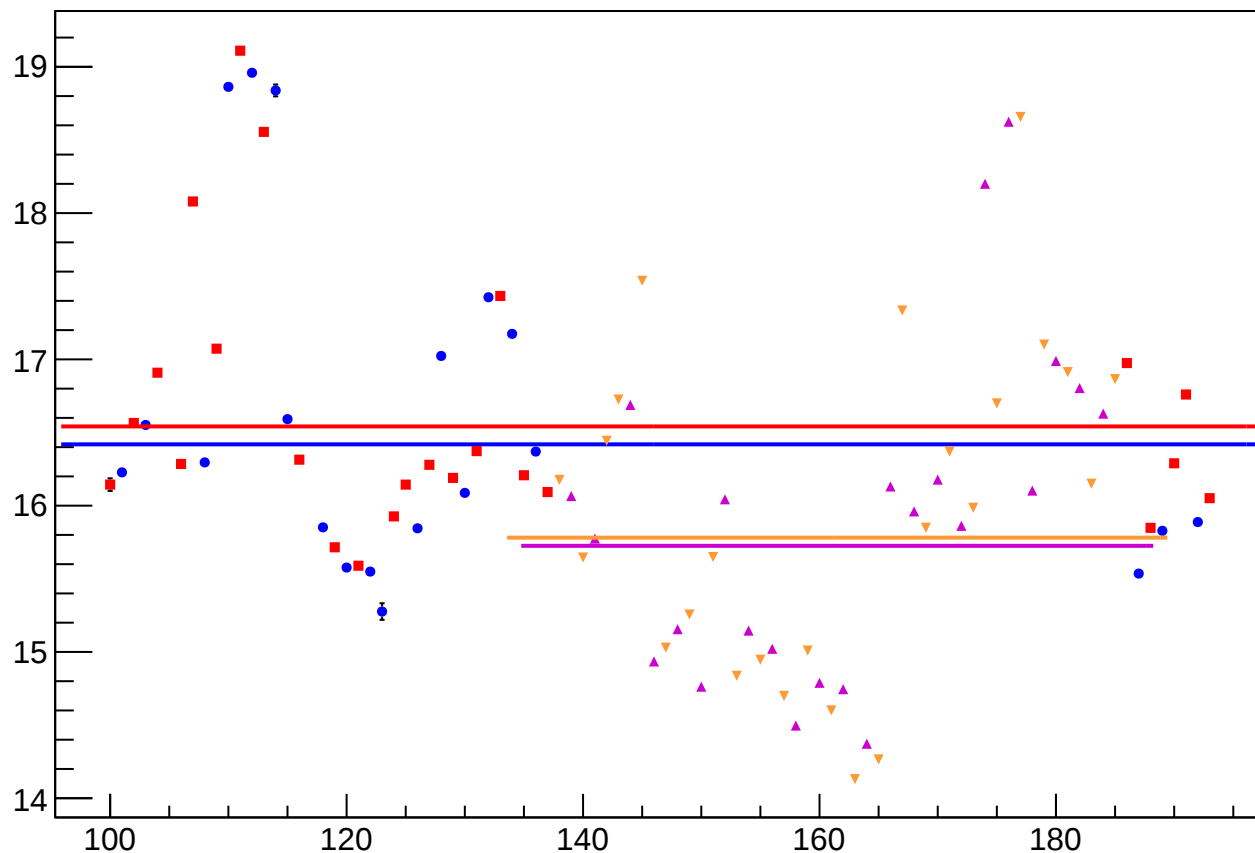
Left In: 5.861 ± 3.787 $\chi^2/\text{NDF}: 36.2/22$

+ sign -0.643 ± 3.101 $\chi^2/\text{NDF}: 25.7/44$

All: 1.235 ± 2.187 $\chi^2/\text{NDF}: 93.5/91$

- sign 3.093 ± 3.084 $\chi^2/\text{NDF}: 67.2/46$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.419 $\pm$ 0.004 χ^2/NDF : 49612.1/19

Left Out: 15.781 $\pm$ 0.003 χ^2/NDF : 172894.3/24

Right Out: 16.542 $\pm$ 0.004 χ^2/NDF : 48838.6/23

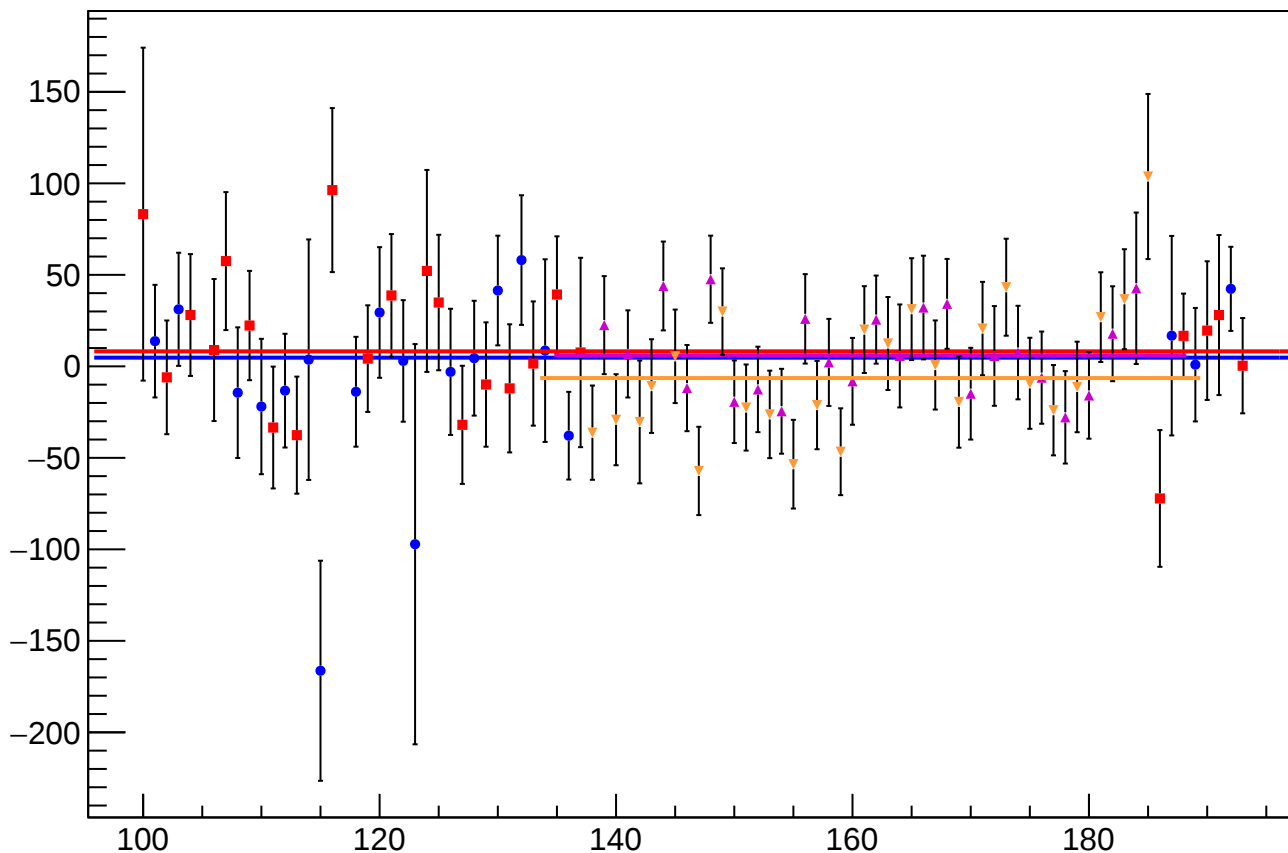
Left In: 15.725 $\pm$ 0.003 χ^2/NDF : 145830.9/22

+ sign 15.968 $\pm$ 0.002 χ^2/NDF : 240040.6/44

All: 15.984 $\pm$ 0.002 χ^2/NDF : 466097.1/91

- sign 16.000 $\pm$ 0.002 χ^2/NDF : 225949.6/46

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.749 $\pm$ 7.619 χ^2 /NDF: 21.5/19

Left Out: -6.404 $\pm$ 5.091 χ^2 /NDF: 37.4/24

Right Out: 8.201 $\pm$ 7.034 χ^2 /NDF: 21.0/23

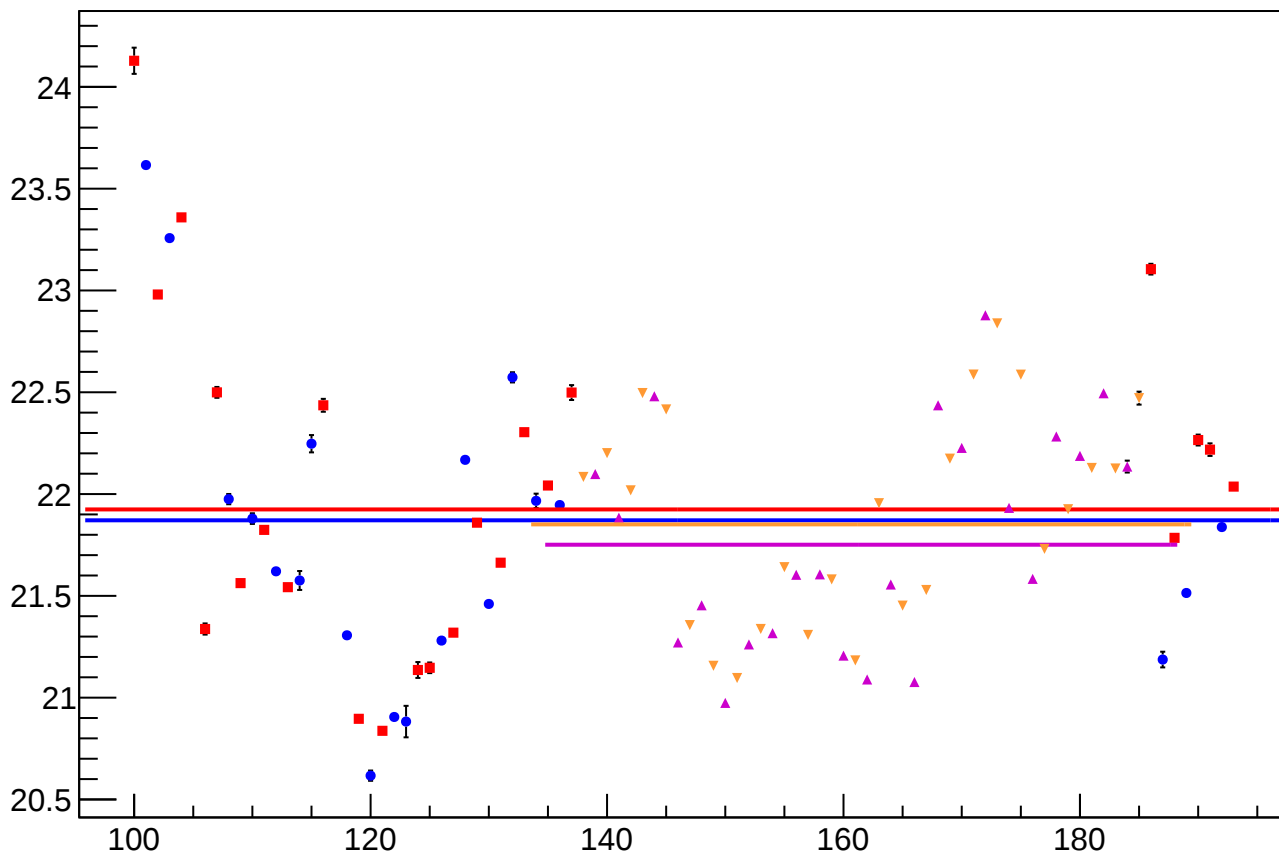
Left In: 5.978 $\pm$ 5.222 χ^2 /NDF: 18.5/22

+ sign -2.961 $\pm$ 4.233 χ^2 /NDF: 60.4/44

All: 1.950 $\pm$ 2.979 χ^2 /NDF: 102.6/91

- sign 6.768 $\pm$ 4.193 χ^2 /NDF: 39.6/46

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.871 ± 0.005 $\chi^2/\text{NDF}: 18288.9/19$

Left Out: 21.851 ± 0.004 $\chi^2/\text{NDF}: 19631.8/24$

Right Out: 21.925 ± 0.005 $\chi^2/\text{NDF}: 18563.9/23$

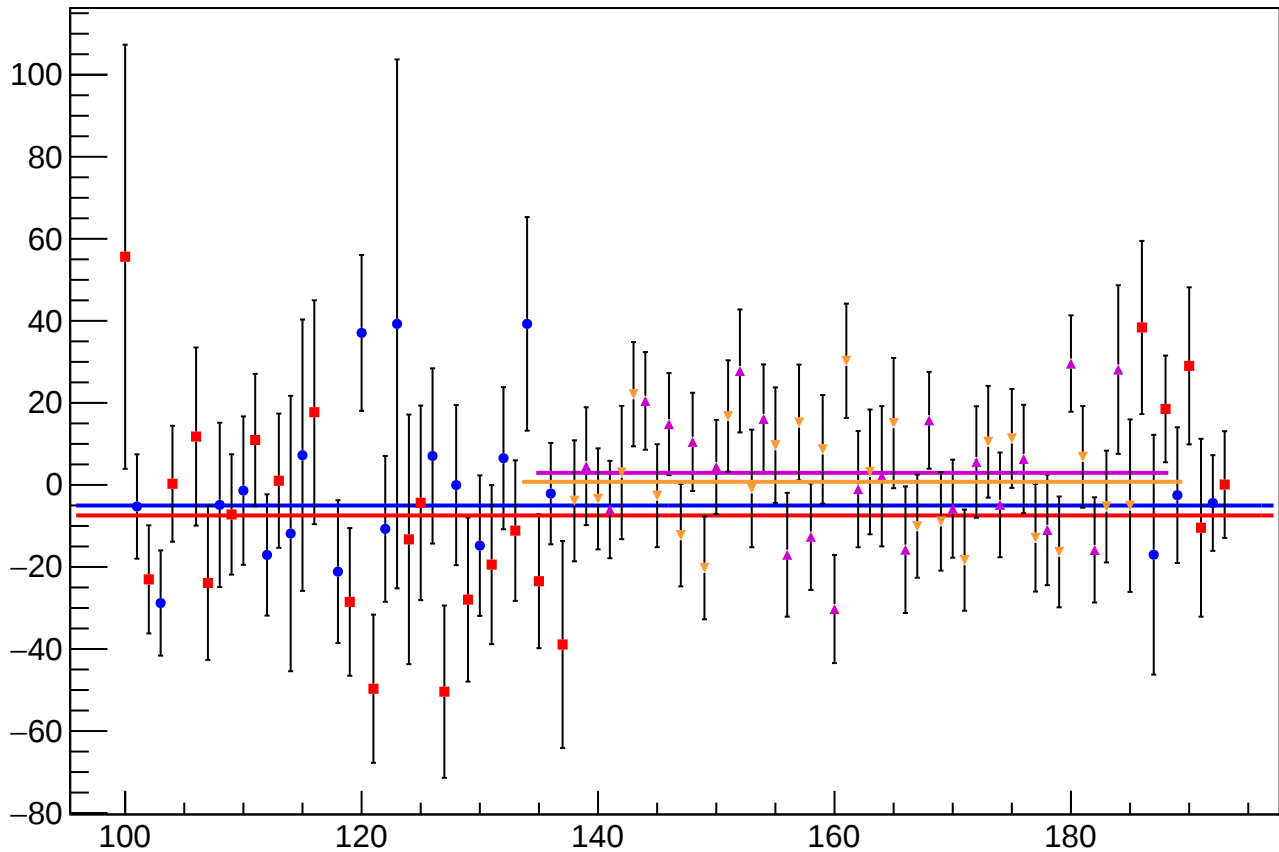
Left In: 21.751 ± 0.004 $\chi^2/\text{NDF}: 20516.3/22$

+ sign 21.857 ± 0.003 $\chi^2/\text{NDF}: 37930.2/44$

All: 21.835 ± 0.002 $\chi^2/\text{NDF}: 77905.1/91$

- sign 21.813 ± 0.003 $\chi^2/\text{NDF}: 39863.3/46$

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.017 ± 3.910 χ^2/NDF : 15.0/19

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: -7.442 ± 3.682 χ^2/NDF : 34.9/23

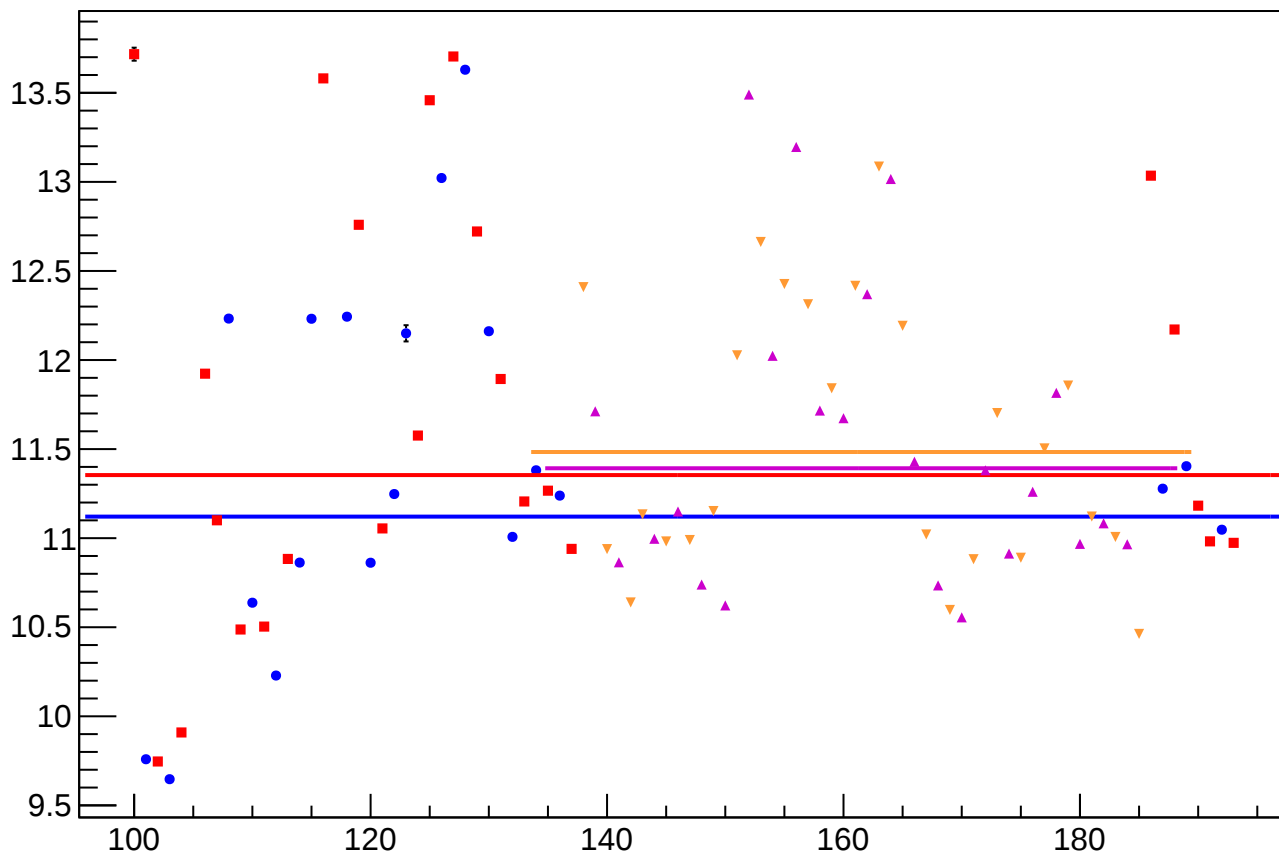
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -1.105 ± 2.221 χ^2/NDF : 40.2/44

All: -0.945 ± 1.565 χ^2/NDF : 111.2/91

- sign -0.788 ± 2.207 χ^2/NDF : 71.0/46

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.121 $\pm$ 0.003 χ^2 /NDF: 133334.6/19

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 11.354 $\pm$ 0.003 χ^2 /NDF: 172437.8/23

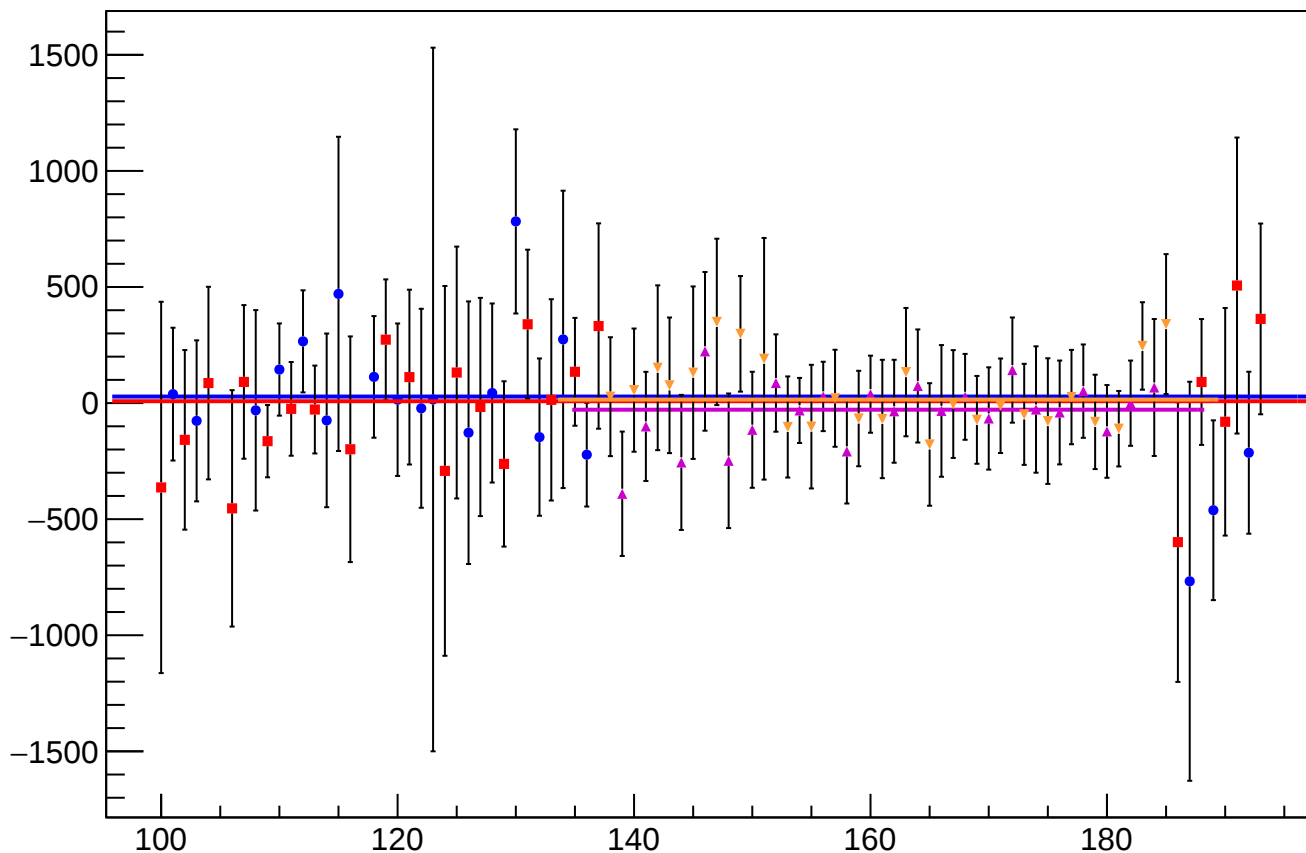
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.367 $\pm$ 0.002 χ^2 /NDF: 274799.4/44

All: 11.373 $\pm$ 0.001 χ^2 /NDF: 597897.9/91

- sign 11.379 $\pm$ 0.002 χ^2 /NDF: 323069.2/46

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 28.154 $\pm$ 75.666 χ^2 /NDF: 10.5/19

Left Out: 15.130 $\pm$ 47.705 χ^2 /NDF: 8.0/24

Right Out: 8.013 $\pm$ 65.672 χ^2 /NDF: 9.1/23

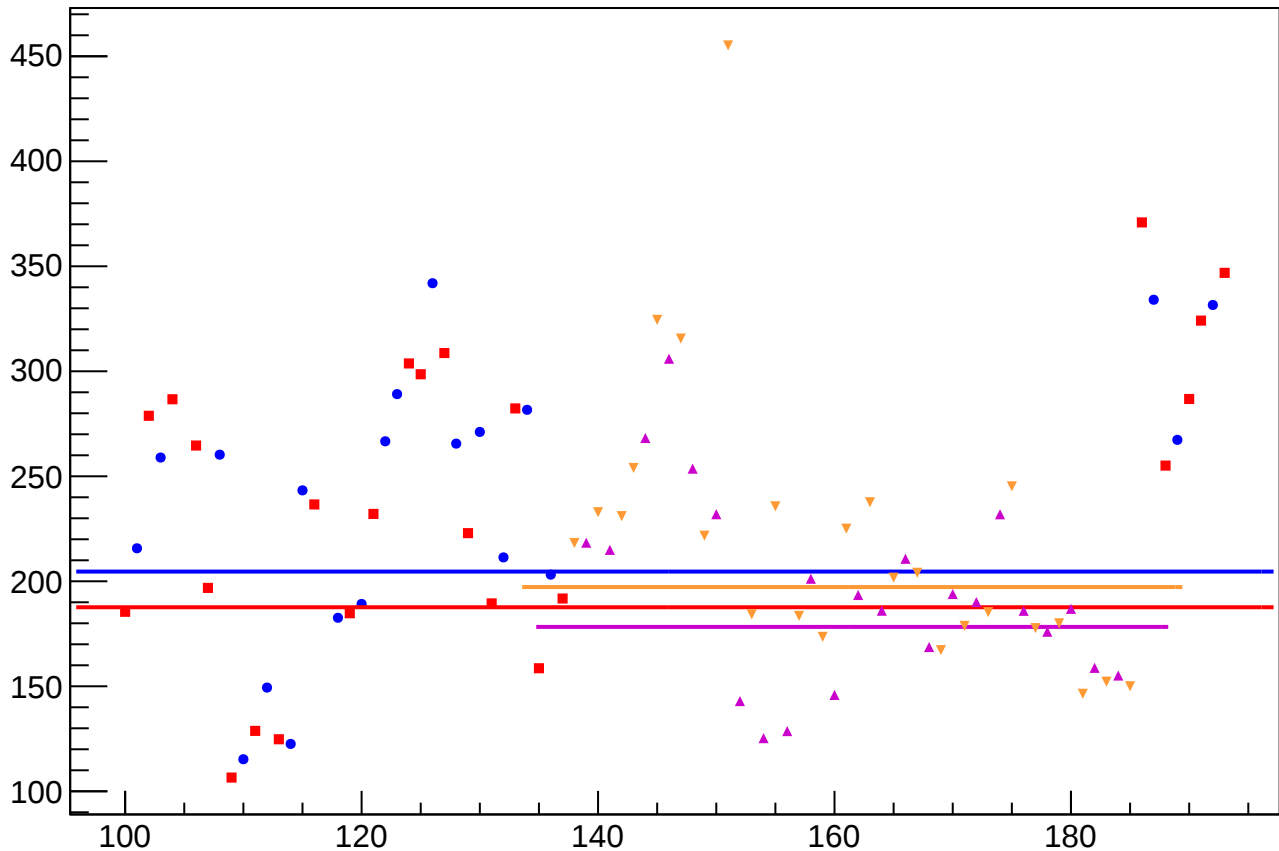
Left In: -28.500 $\pm$ 44.797 χ^2 /NDF: 6.4/22

+ sign 18.834 $\pm$ 40.354 χ^2 /NDF: 18.6/44

All: -0.579 $\pm$ 27.275 χ^2 /NDF: 34.7/91

- sign -16.906 $\pm$ 37.007 χ^2 /NDF: 15.7/46

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 204.627 $\pm$ 0.054 χ^2 /NDF: 1402630.5/19

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF:1786808.1/24

Right Out: 187.643 $\pm$ 0.046 χ^2 /NDF: 2442825.0/23

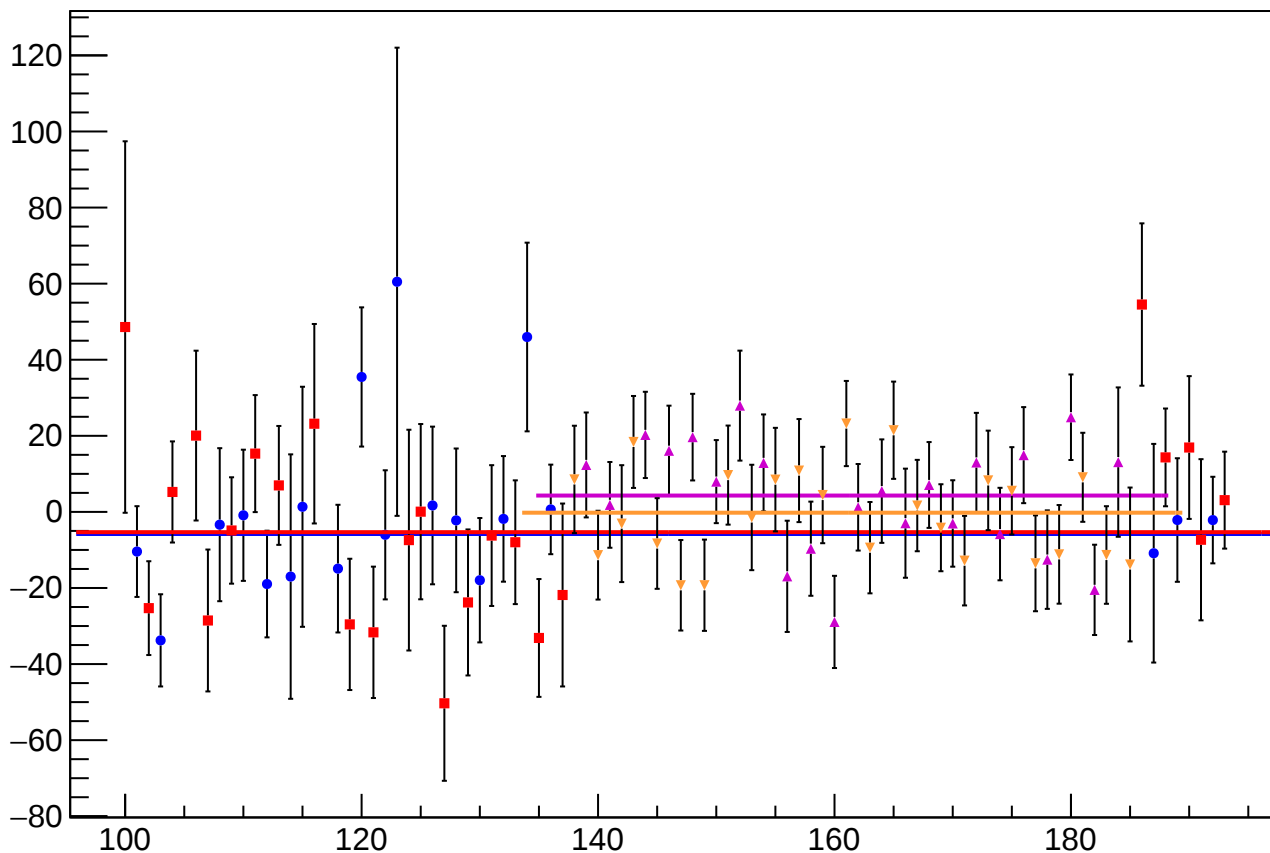
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF:1628916.6/22

+ sign 199.348 $\pm$ 0.029 χ^2 /NDF: 3203044.4/44

All: 189.518 $\pm$ 0.019 χ^2 /NDF: 7521019.9/91

- sign 181.251 $\pm$ 0.026 χ^2 /NDF: 4099504.1/46

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.803 ± 3.750 χ^2/NDF : 18.8/19

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -5.328 ± 3.548 χ^2/NDF : 36.9/23

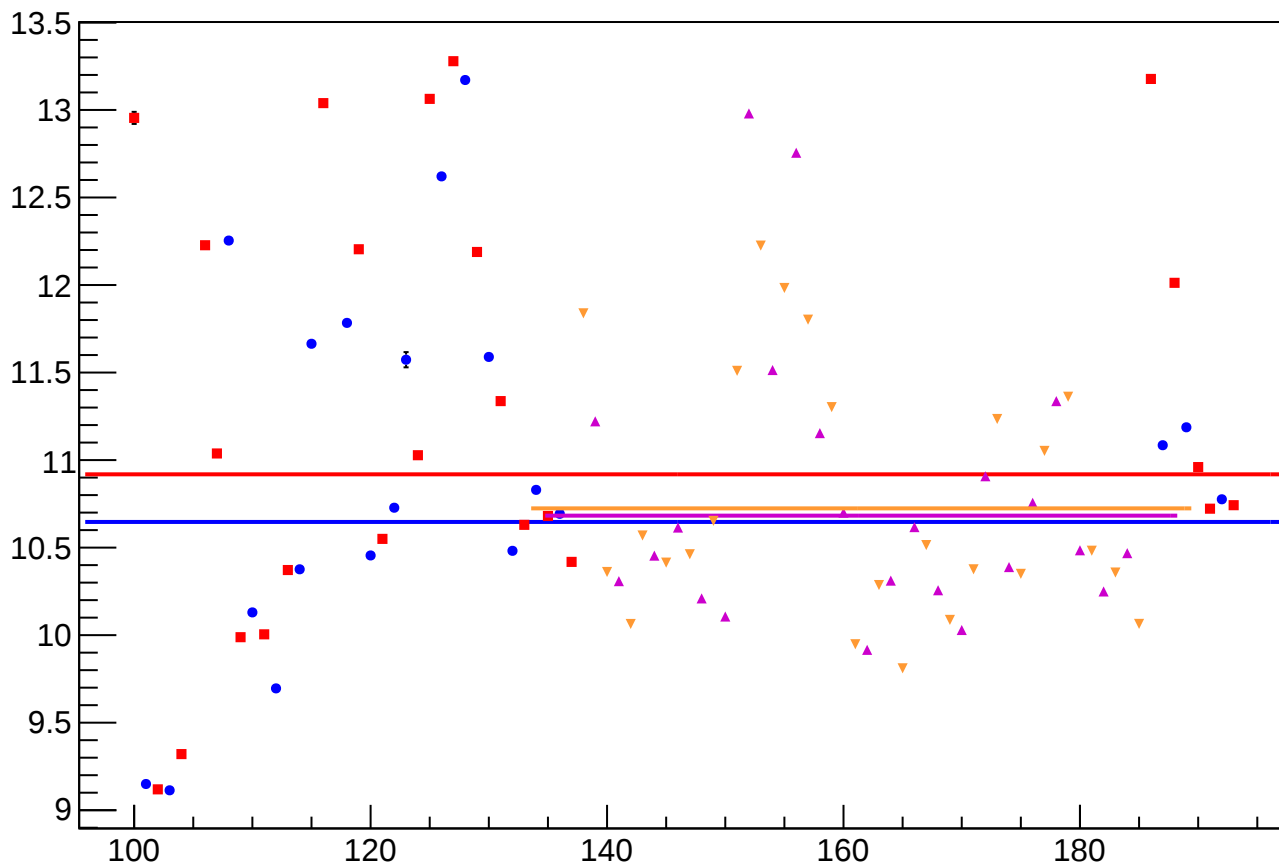
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -1.954 ± 2.094 χ^2/NDF : 44.9/44

All: -0.499 ± 1.480 χ^2/NDF : 119.1/91

- sign 0.954 ± 2.091 χ^2/NDF : 73.2/46

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.647 ± 0.003 χ^2/NDF : 163193.3/19

Left Out: 10.724 ± 0.002 χ^2/NDF : 132558.9/24

Right Out: 10.919 ± 0.003 χ^2/NDF : 218827.6/23

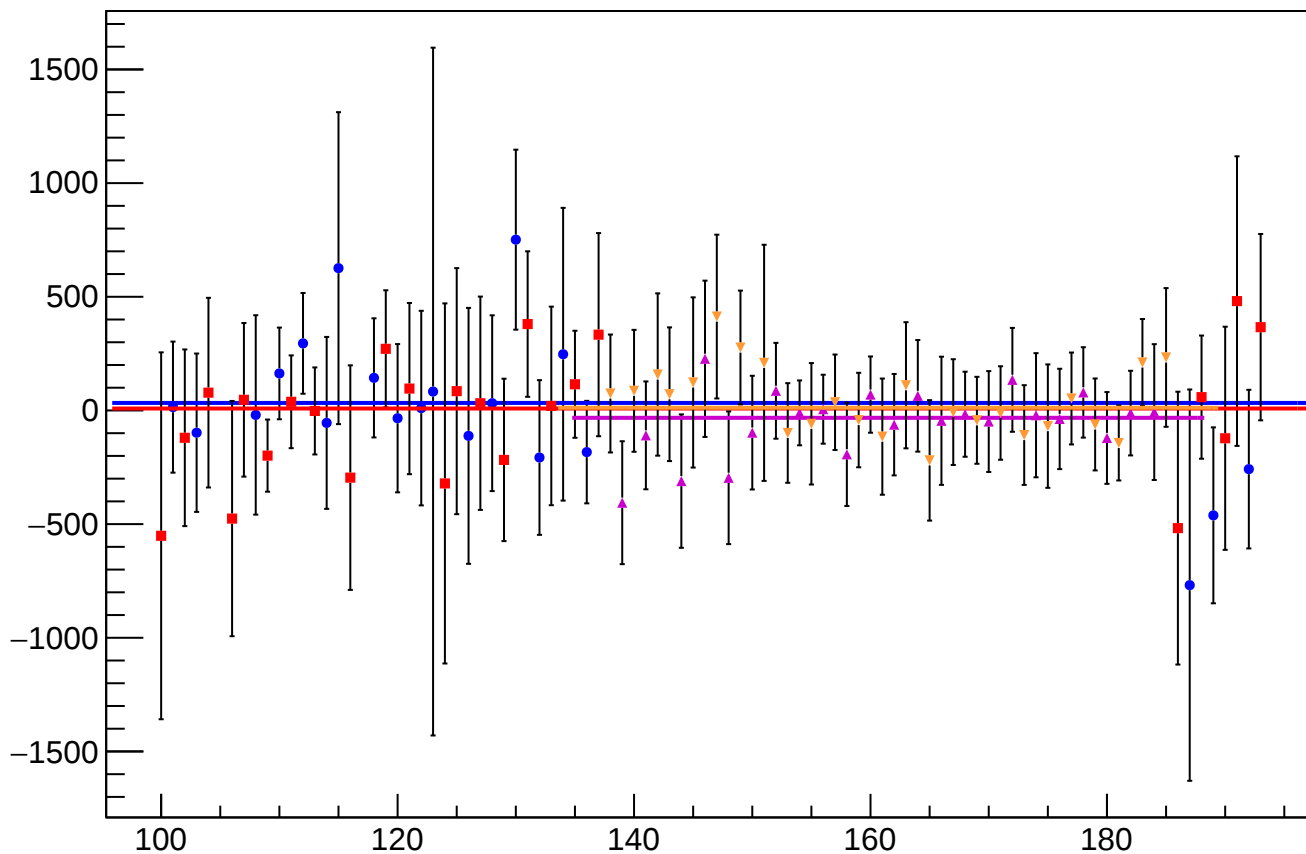
Left In: 10.683 ± 0.002 χ^2/NDF : 147835.6/22

+ sign 10.700 ± 0.001 χ^2/NDF : 296341.0/44

All: 10.732 ± 0.001 χ^2/NDF : 669733.3/91

- sign 10.765 ± 0.001 χ^2/NDF : 372438.8/46

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 33.064 $\pm$ 76.114 χ^2 /NDF: 11.1/19

Left Out: 11.891 $\pm$ 48.022 χ^2 /NDF: 7.6/24

Right Out: 8.544 $\pm$ 66.214 χ^2 /NDF: 9.6/23

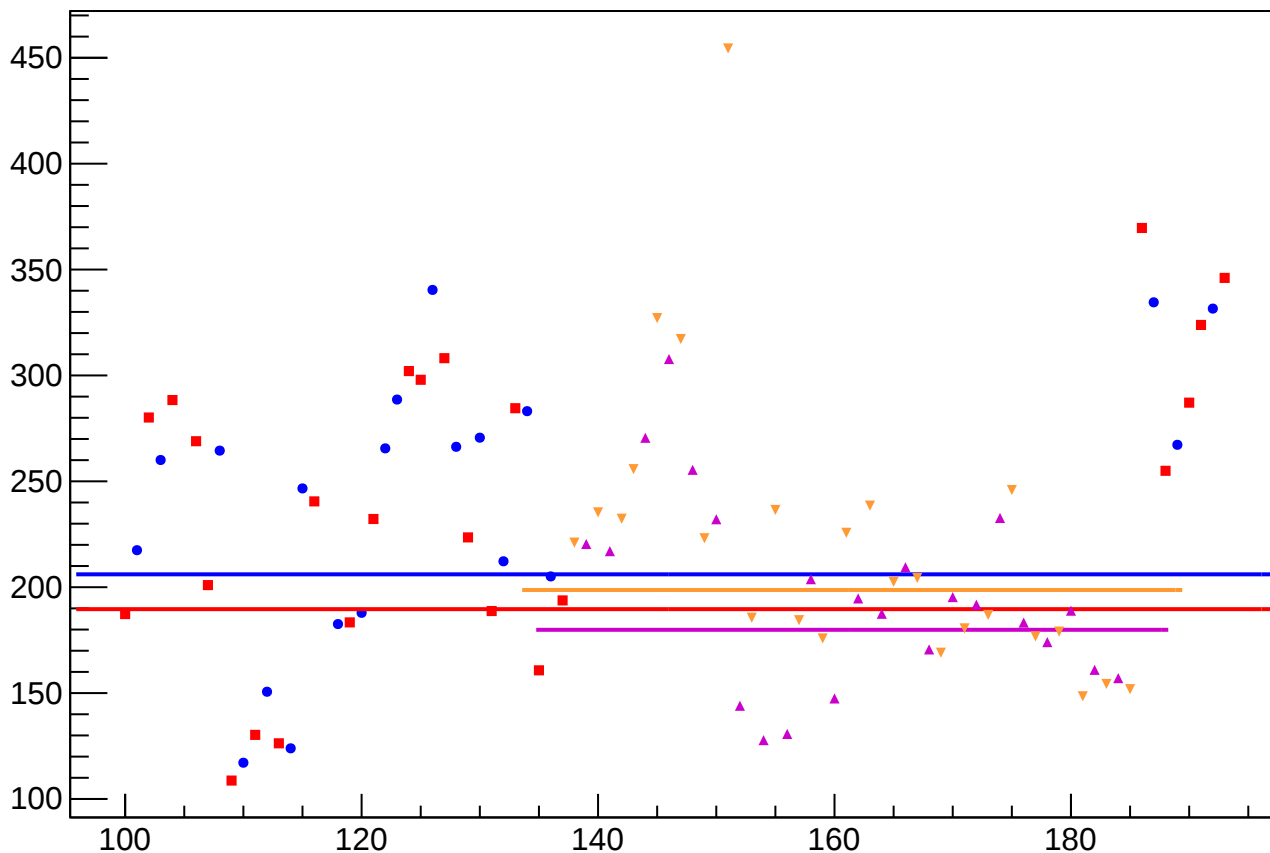
Left In: -32.413 $\pm$ 45.155 χ^2 /NDF: 6.9/22

+ sign 17.919 $\pm$ 40.614 χ^2 /NDF: 18.8/44

All: -2.328 $\pm$ 27.474 χ^2 /NDF: 36.0/91

- sign -19.412 $\pm$ 37.306 χ^2 /NDF: 16.7/46

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 206.079 $\pm$ 0.054 χ^2 /NDF: 1367416.1/19

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF: 1759311.9/24

Right Out: 189.637 $\pm$ 0.047 χ^2 /NDF: 2372909.3/23

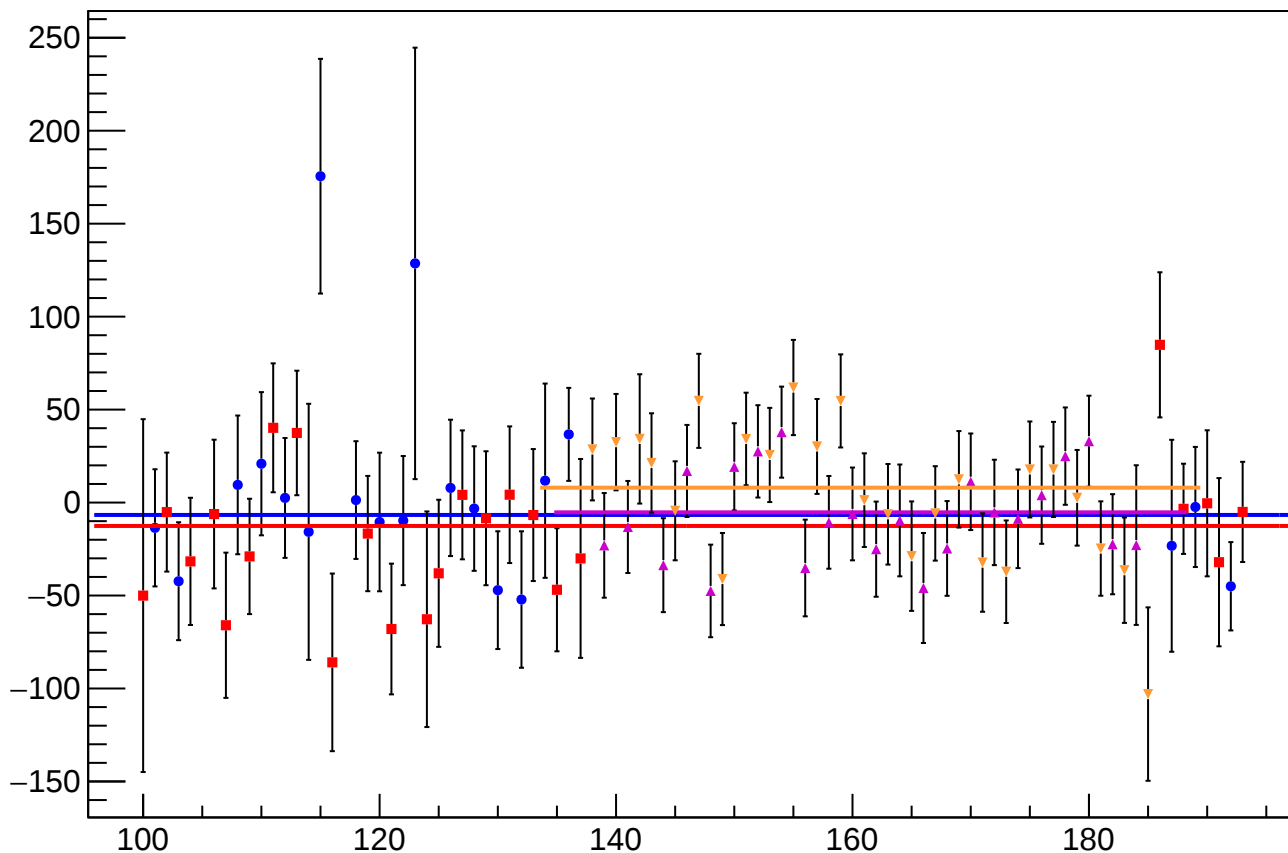
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF: 1580636.4/22

+ sign 200.797 $\pm$ 0.029 χ^2 /NDF: 3140192.6/44

All: 191.134 $\pm$ 0.019 χ^2 /NDF: 7332078.4/91

- sign 182.981 $\pm$ 0.026 χ^2 /NDF: 3983148.2/46

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.659 ± 7.951 $\chi^2/\text{NDF}: 21.1/19$

Left Out: 8.004 ± 5.334 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -12.578 ± 7.356 $\chi^2/\text{NDF}: 21.7/23$

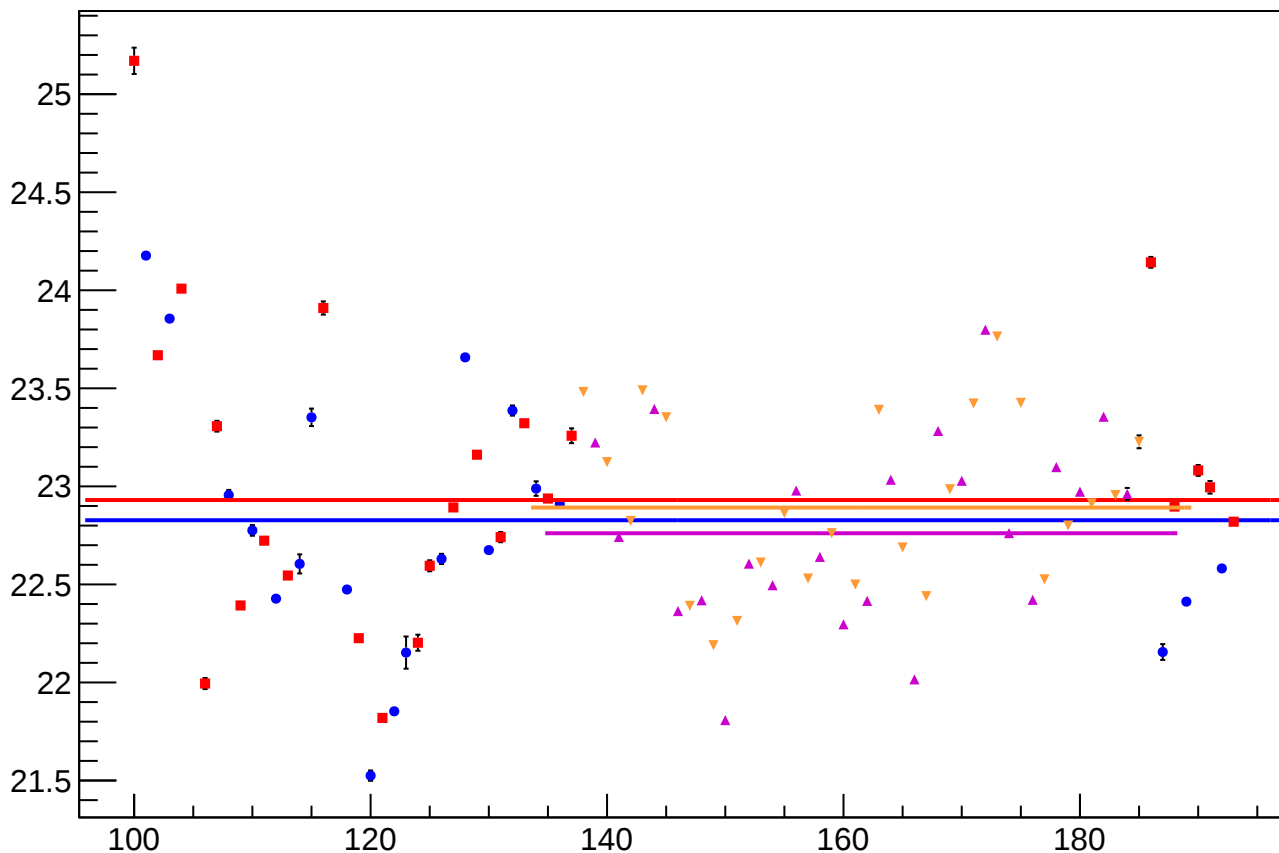
Left In: -5.261 ± 5.465 $\chi^2/\text{NDF}: 20.8/22$

+ sign 3.453 ± 4.430 $\chi^2/\text{NDF}: 60.8/44$

All: -2.260 ± 3.117 $\chi^2/\text{NDF}: 107.2/91$

- sign -7.863 ± 4.387 $\chi^2/\text{NDF}: 43.1/46$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.827 $\pm$ 0.006 χ^2 /NDF: 13262.2/19

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF: 12995.5/24

Right Out: 22.930 $\pm$ 0.005 χ^2 /NDF: 13170.4/23

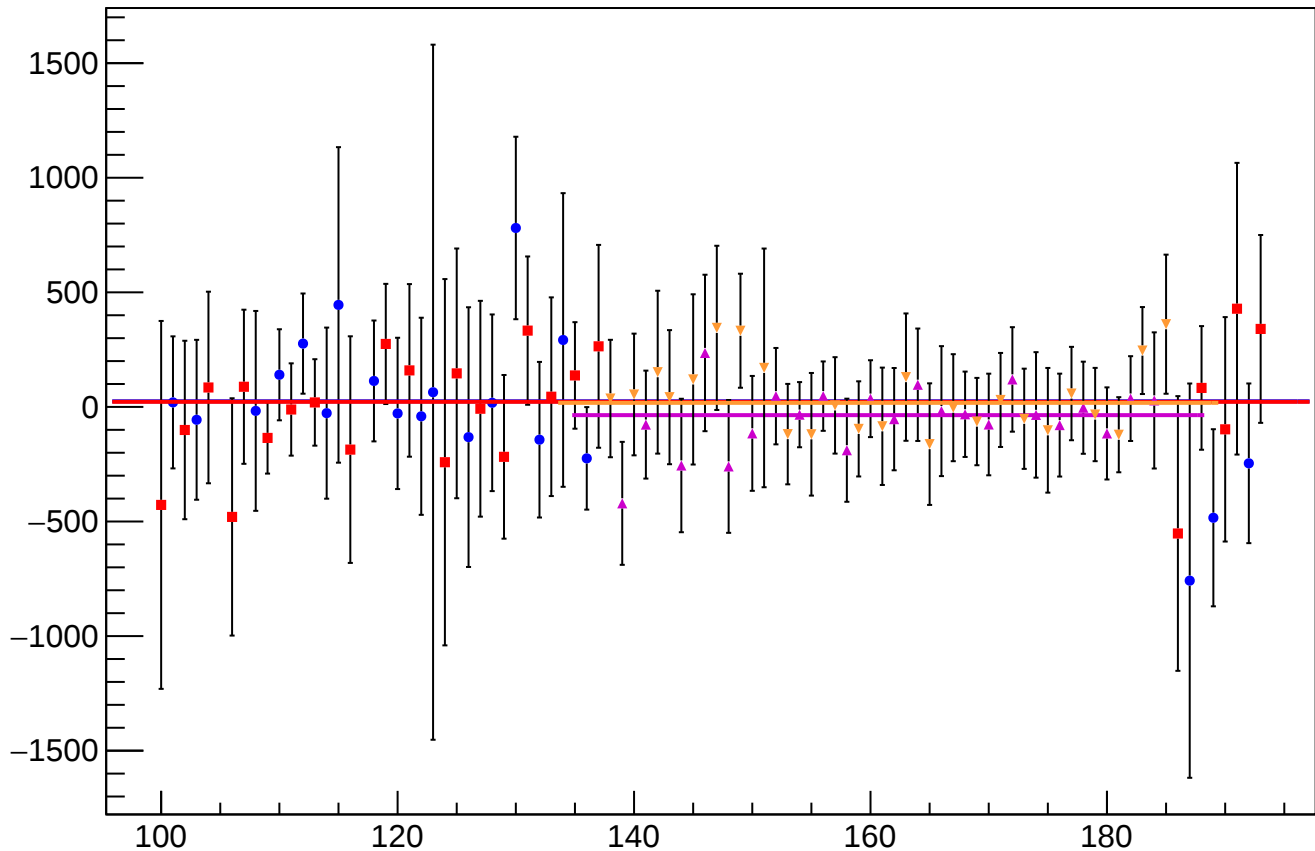
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF: 14550.0/22

+ sign 22.872 $\pm$ 0.003 χ^2 /NDF: 26348.9/44

All: 22.846 $\pm$ 0.002 χ^2 /NDF: 54884.8/91

- sign 22.821 $\pm$ 0.003 χ^2 /NDF: 28403.6/46

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 24.540 $\pm$ 75.807 χ^2 /NDF: 10.8/19

Left Out: 17.777 $\pm$ 47.941 χ^2 /NDF:8.5/24

Right Out: 22.315 $\pm$ 65.784 χ^2 /NDF: 7.8/23

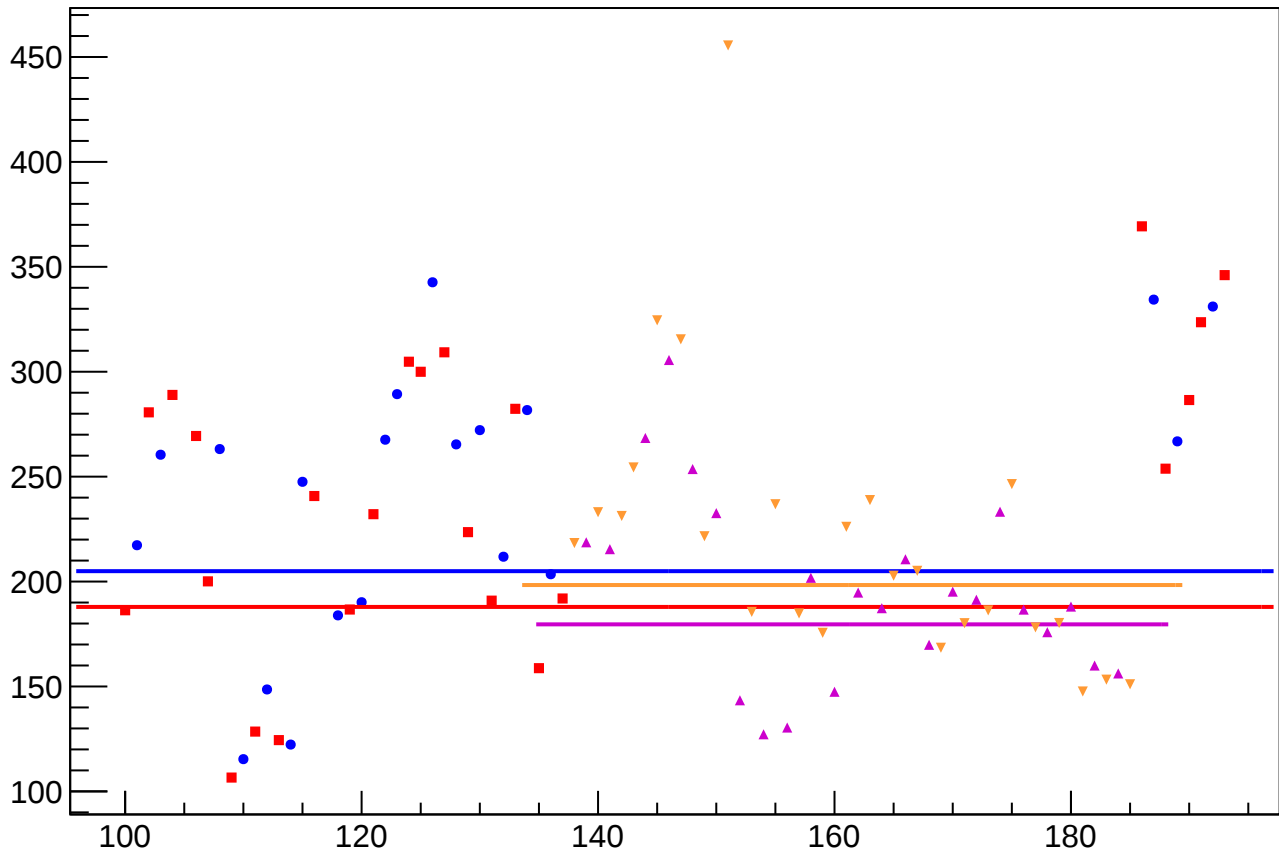
Left In: -35.879 $\pm$ 45.087 χ^2 /NDF:6.3/22

+ sign 19.709 $\pm$ 40.519 χ^2 /NDF: 19.3/44

All: -0.366 $\pm$ 27.399 χ^2 /NDF: 34.5/91

- sign -17.279 $\pm$ 37.191 χ^2 /NDF: 14.7/46

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 204.957 $\pm$ 0.054 χ^2 /NDF: 1413231.2/19

Left Out: 198.344 $\pm$ 0.034 χ^2 /NDF:1757450.6/24

Right Out: 187.911 $\pm$ 0.047 χ^2 /NDF: 2458540.6/23

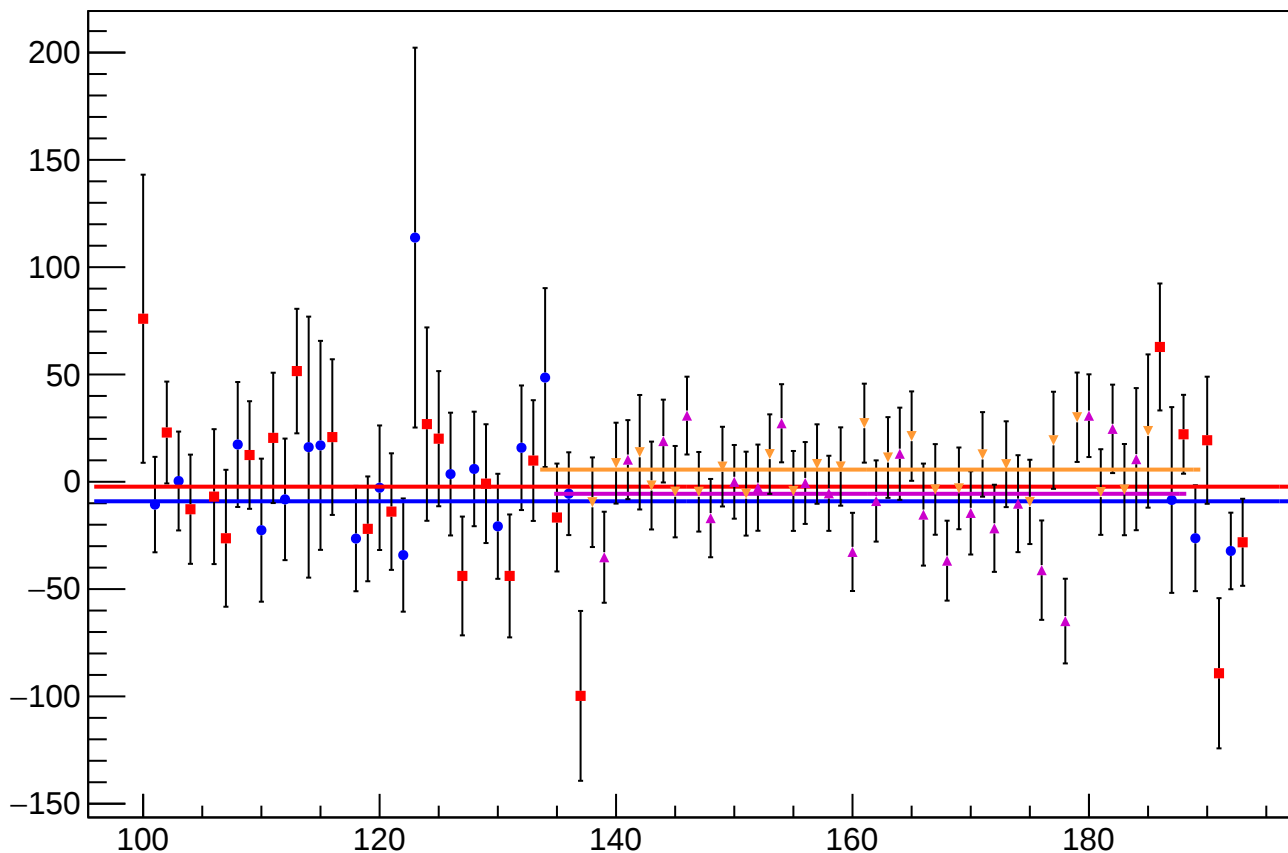
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF:1575744.0/22

+ sign 200.233 $\pm$ 0.029 χ^2 /NDF: 3181553.7/44

All: 190.478 $\pm$ 0.019 χ^2 /NDF: 7451118.8/91

- sign 182.260 $\pm$ 0.026 χ^2 /NDF: 4055976.7/46

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -9.087 $\pm$ 6.154 χ^2/NDF : 10.6/19

Left Out: 5.680 $\pm$ 4.024 χ^2/NDF : 7.7/24

Right Out: -2.274 $\pm$ 5.726 χ^2/NDF : 35.7/23

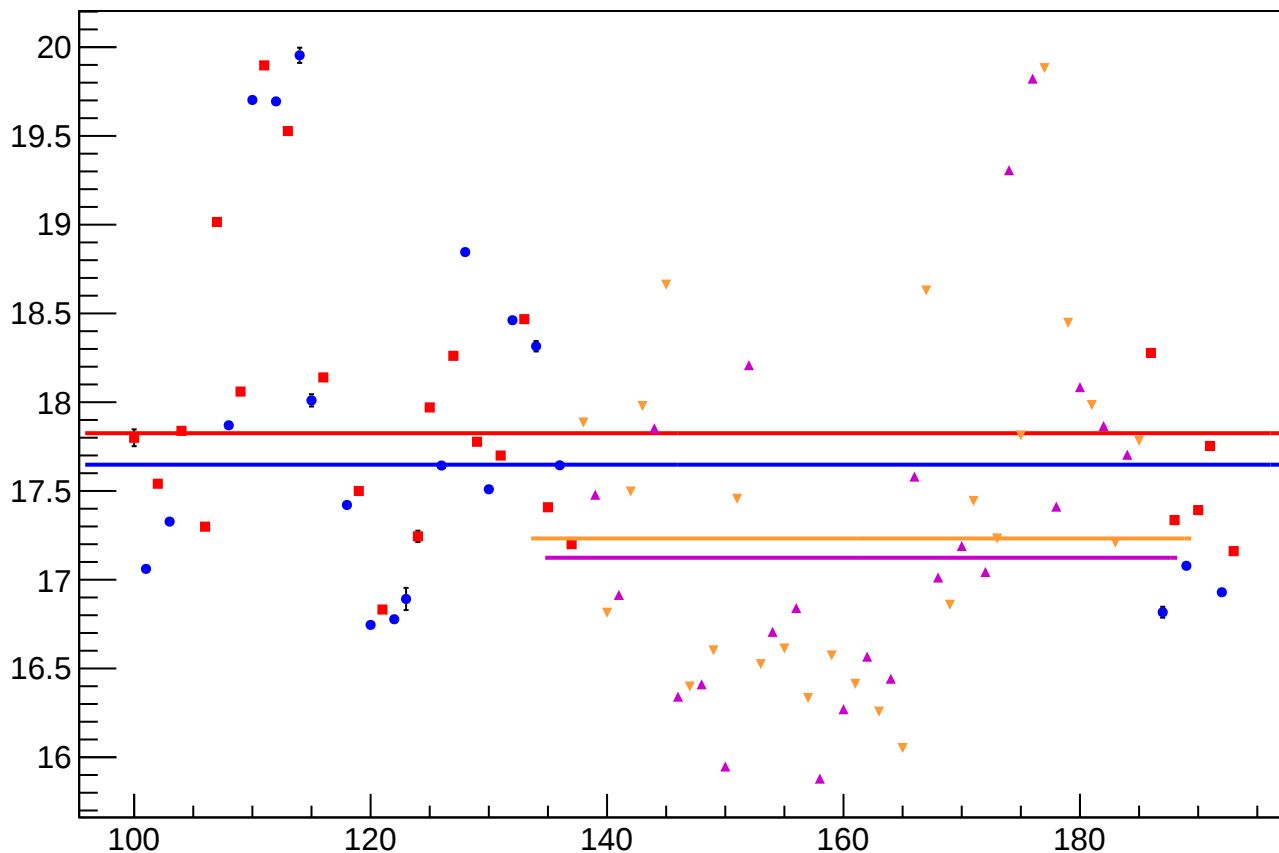
Left In: -5.595 $\pm$ 4.121 χ^2/NDF : 36.4/22

+ sign 1.258 $\pm$ 3.368 χ^2/NDF : 22.4/44

All: -1.621 $\pm$ 2.373 χ^2/NDF : 96.1/91

- sign -4.462 $\pm$ 3.345 χ^2/NDF : 72.3/46

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.648 $\pm$ 0.004 χ^2 /NDF: 38586.0/19

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF: 98701.0/24

Right Out: 17.825 $\pm$ 0.004 χ^2 /NDF: 30659.5/23

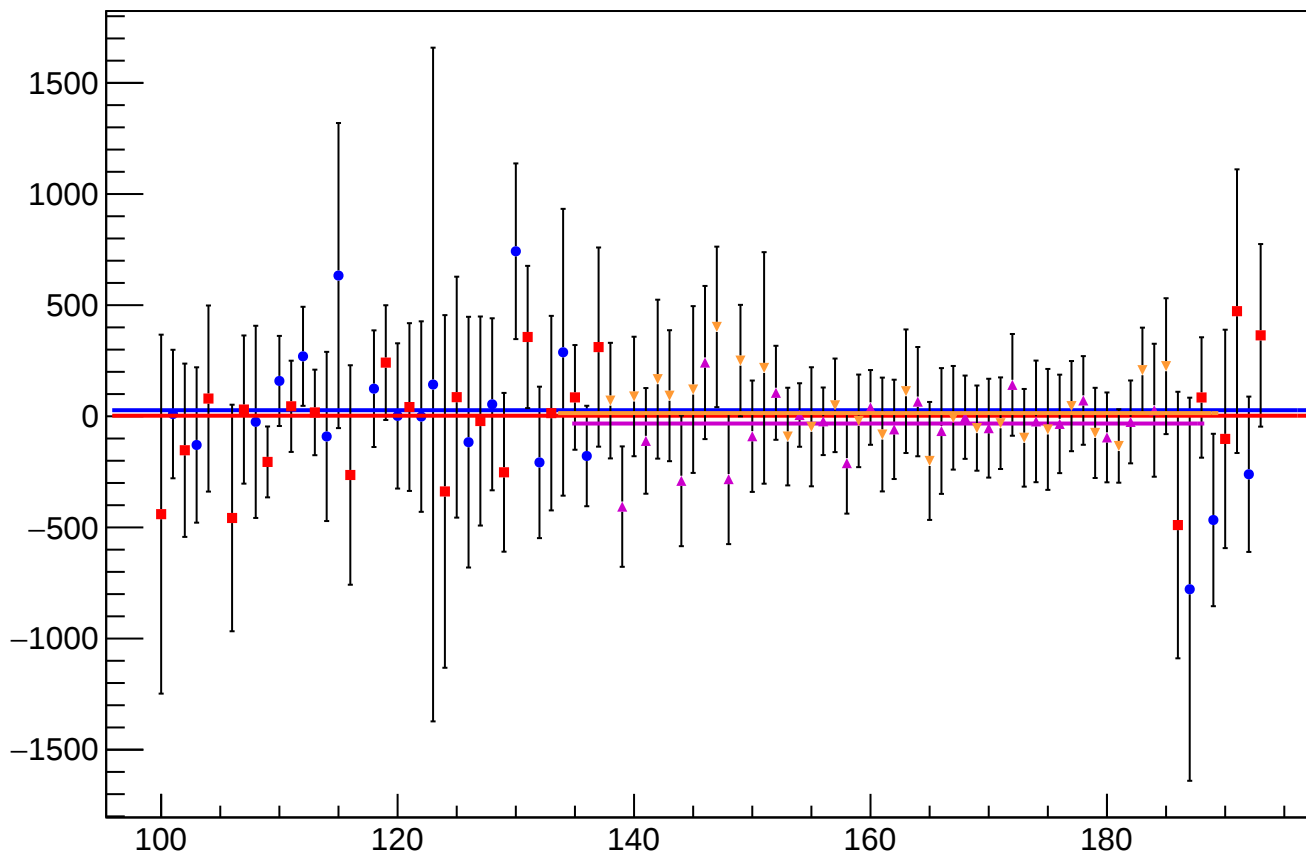
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.357 $\pm$ 0.002 χ^2 /NDF: 143676.6/44

All: 17.360 $\pm$ 0.002 χ^2 /NDF: 294869.2/91

- sign 17.363 $\pm$ 0.002 χ^2 /NDF: 151189.1/46

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 27.362 $\pm$ 76.298 χ^2 /NDF: 10.8/19

Left Out: 14.362 $\pm$ 48.130 χ^2 /NDF: 6.9/24

Right Out: 2.633 $\pm$ 66.348 χ^2 /NDF: 8.9/23

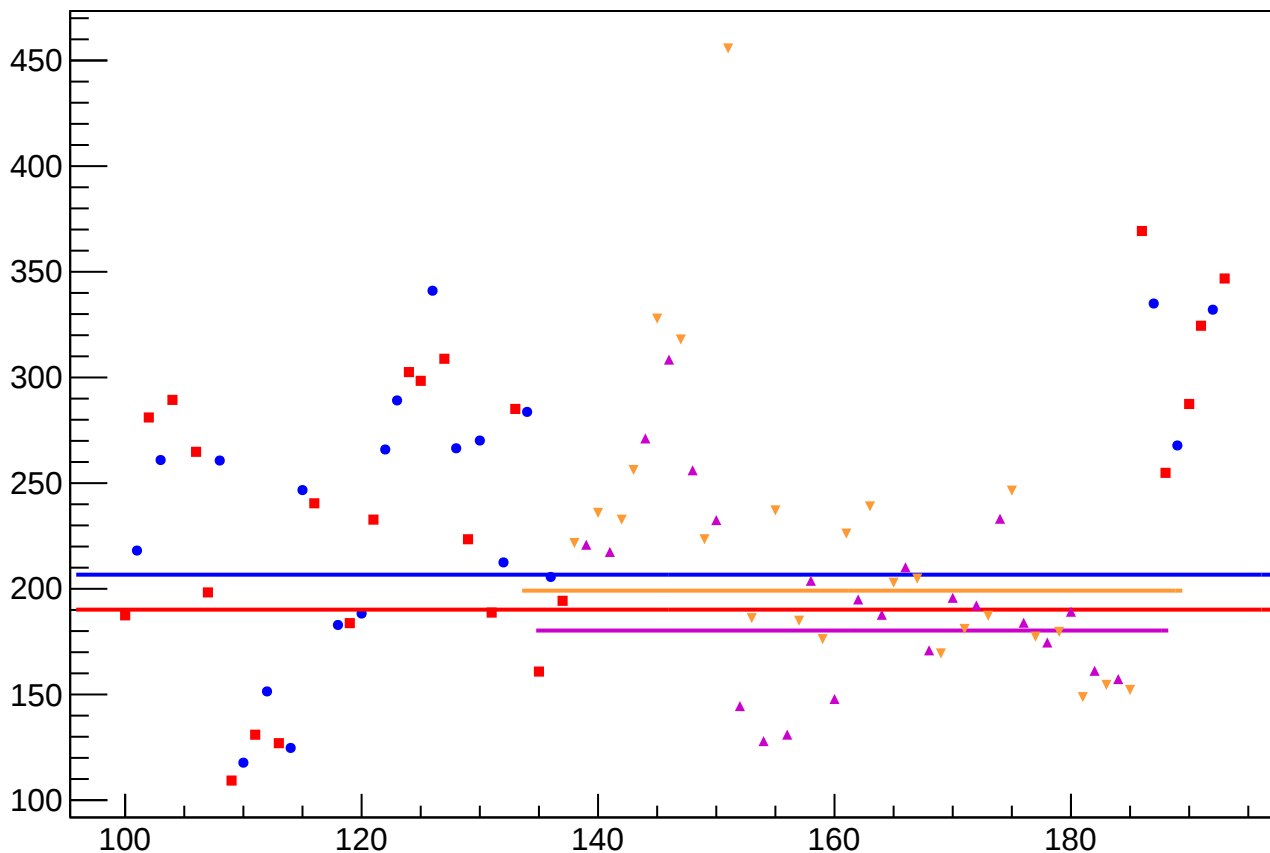
Left In: -32.571 $\pm$ 45.248 χ^2 /NDF: 6.7/22

+ sign 18.063 $\pm$ 40.707 χ^2 /NDF: 17.8/44

All: -3.344 $\pm$ 27.534 χ^2 /NDF: 34.1/91

- sign -21.396 $\pm$ 37.382 χ^2 /NDF: 15.8/46

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 206.691 $\pm$ 0.054 χ^2 /NDF: 1350659.0/19

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF:1760298.1/24

Right Out: 190.146 $\pm$ 0.047 χ^2 /NDF: 2350310.7/23

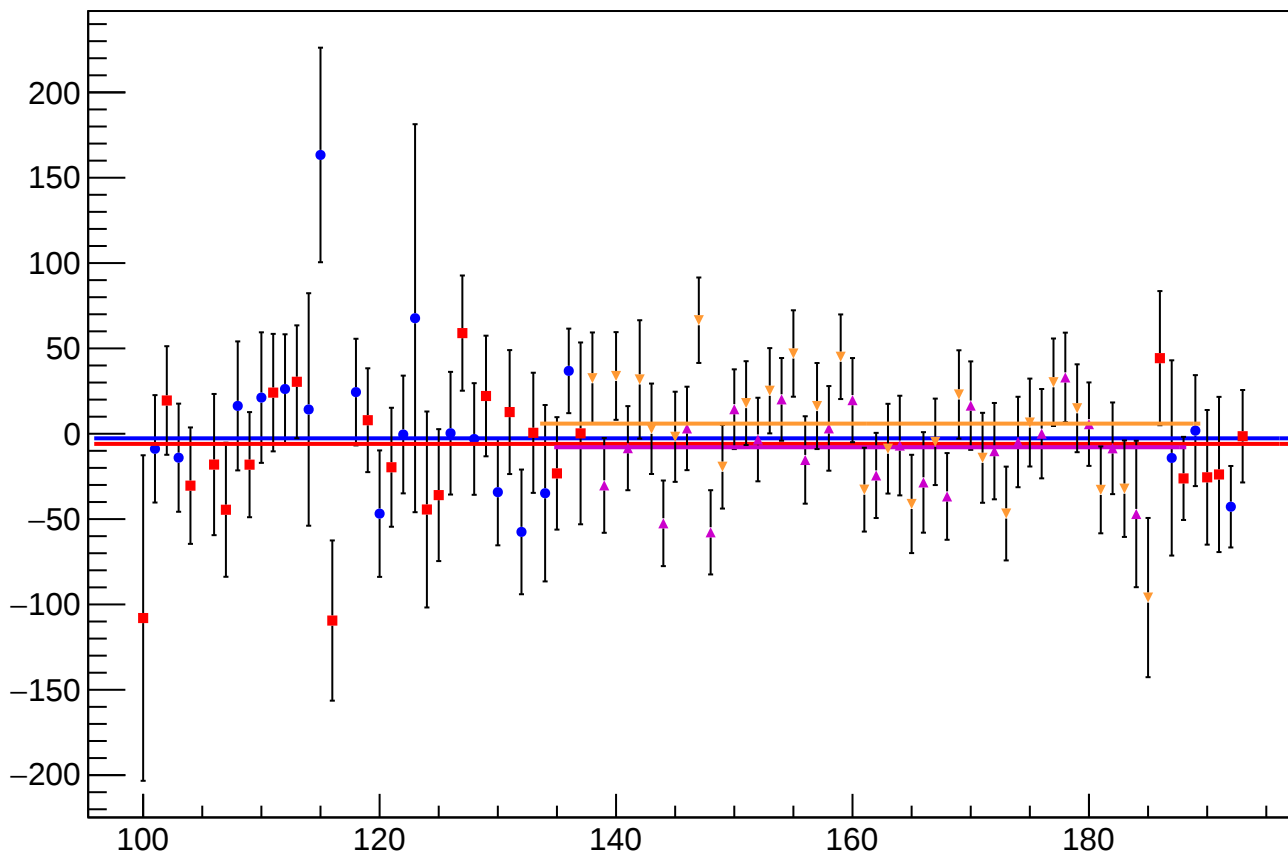
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF:1580553.5/22

+ sign 201.286 $\pm$ 0.029 χ^2 /NDF: 3124986.0/44

All: 191.581 $\pm$ 0.019 χ^2 /NDF: 7295757.1/91

- sign 183.396 $\pm$ 0.026 χ^2 /NDF: 3961196.5/46

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.678 ± 7.905 χ^2/NDF : 20.3/19

Left Out: 5.937 ± 5.285 χ^2/NDF : 36.1/24

Right Out: -5.943 ± 7.317 χ^2/NDF : 19.4/23

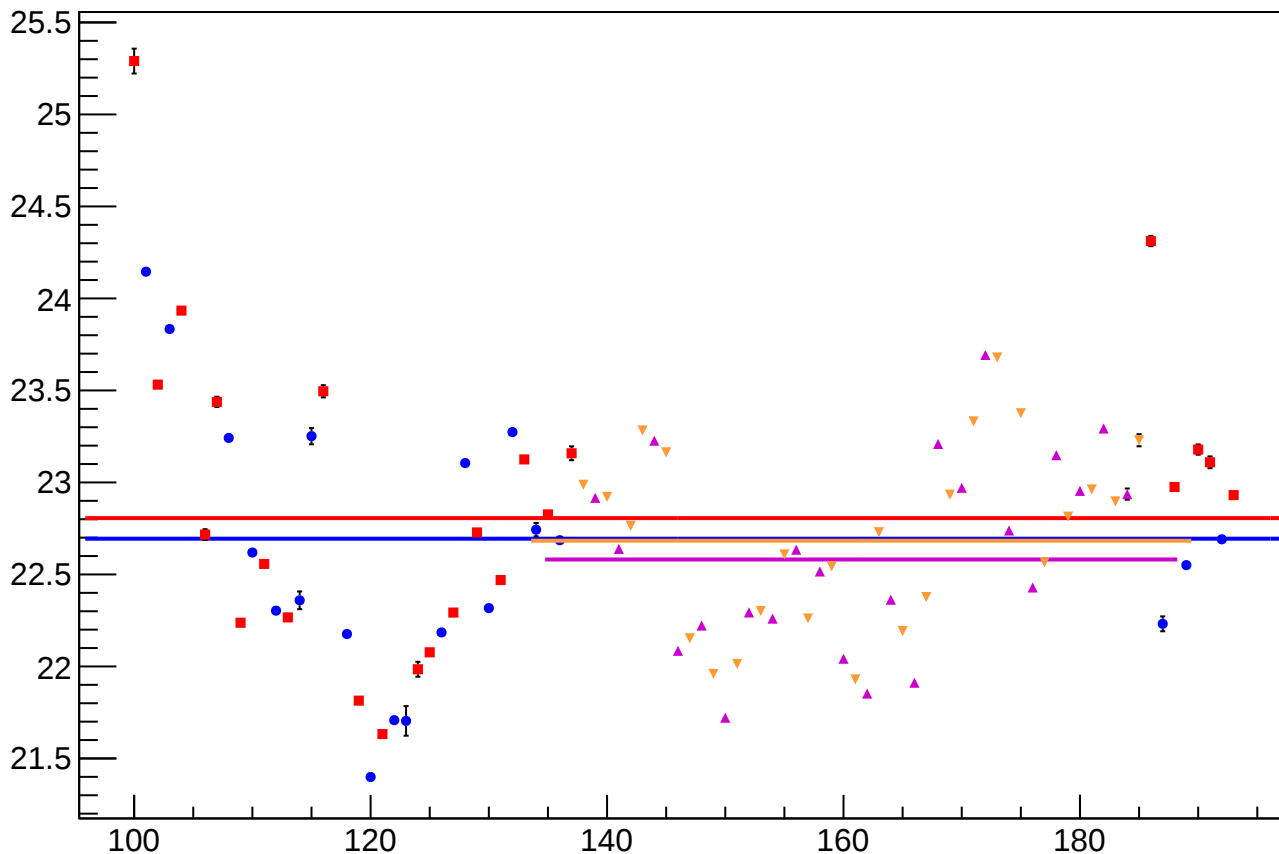
Left In: -7.915 ± 5.422 χ^2/NDF : 18.7/22

+ sign 3.276 ± 4.394 χ^2/NDF : 57.3/44

All: -2.015 ± 3.093 χ^2/NDF : 98.3/91

- sign -7.216 ± 4.356 χ^2/NDF : 38.2/46

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.694 $\pm$ 0.006 χ^2 /NDF: 14240.4/19

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16320.2/24

Right Out: 22.806 $\pm$ 0.005 χ^2 /NDF: 16616.1/23

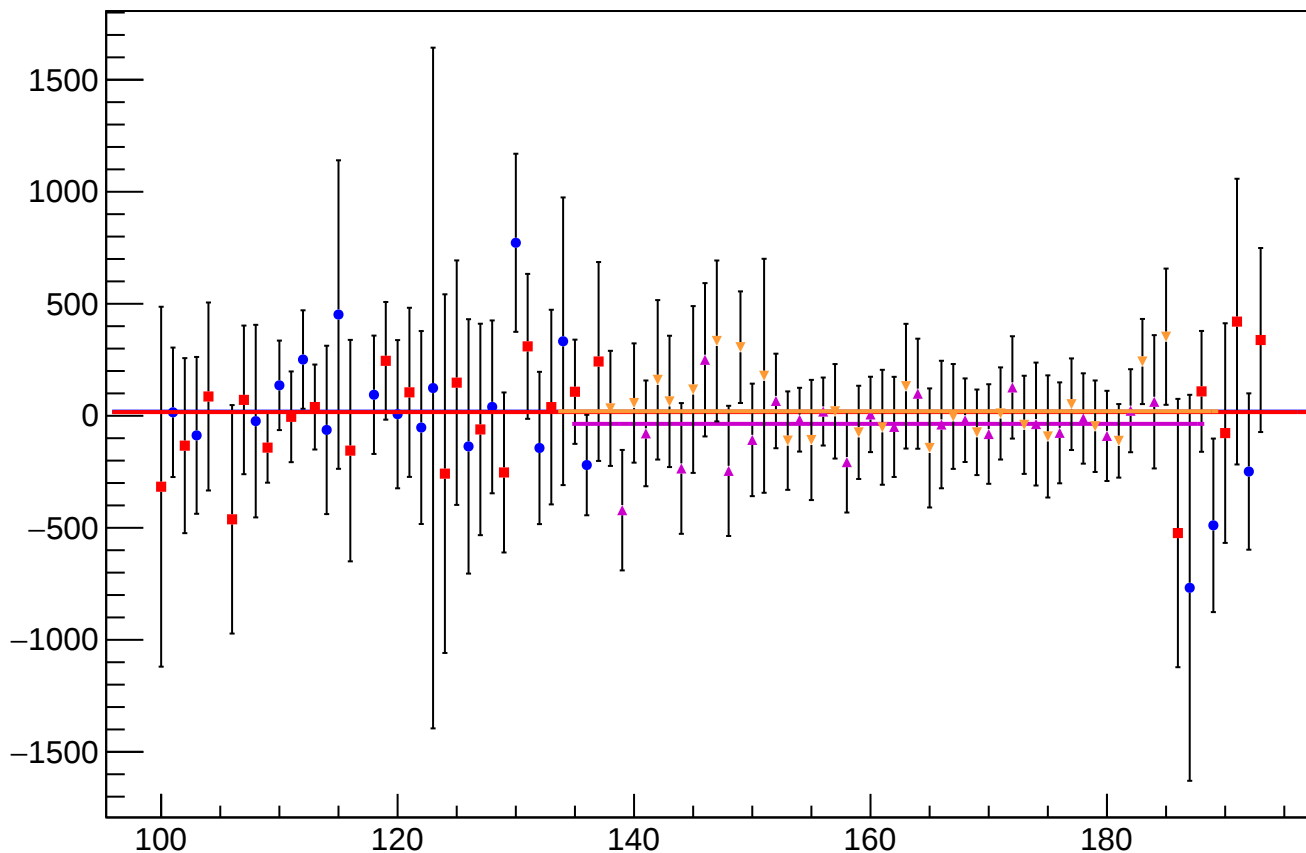
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF: 17904.5/22

+ sign 22.687 $\pm$ 0.003 χ^2 /NDF: 30563.3/44

All: 22.674 $\pm$ 0.002 χ^2 /NDF: 66337.0/91

- sign 22.661 $\pm$ 0.003 χ^2 /NDF: 35739.4/46

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 18.663 $\pm$ 75.994 χ^2 /NDF: 10.5/19

Left Out: 20.306 $\pm$ 48.049 χ^2 /NDF: 7.7/24

Right Out: 16.557 $\pm$ 65.922 χ^2 /NDF: 7.2/23

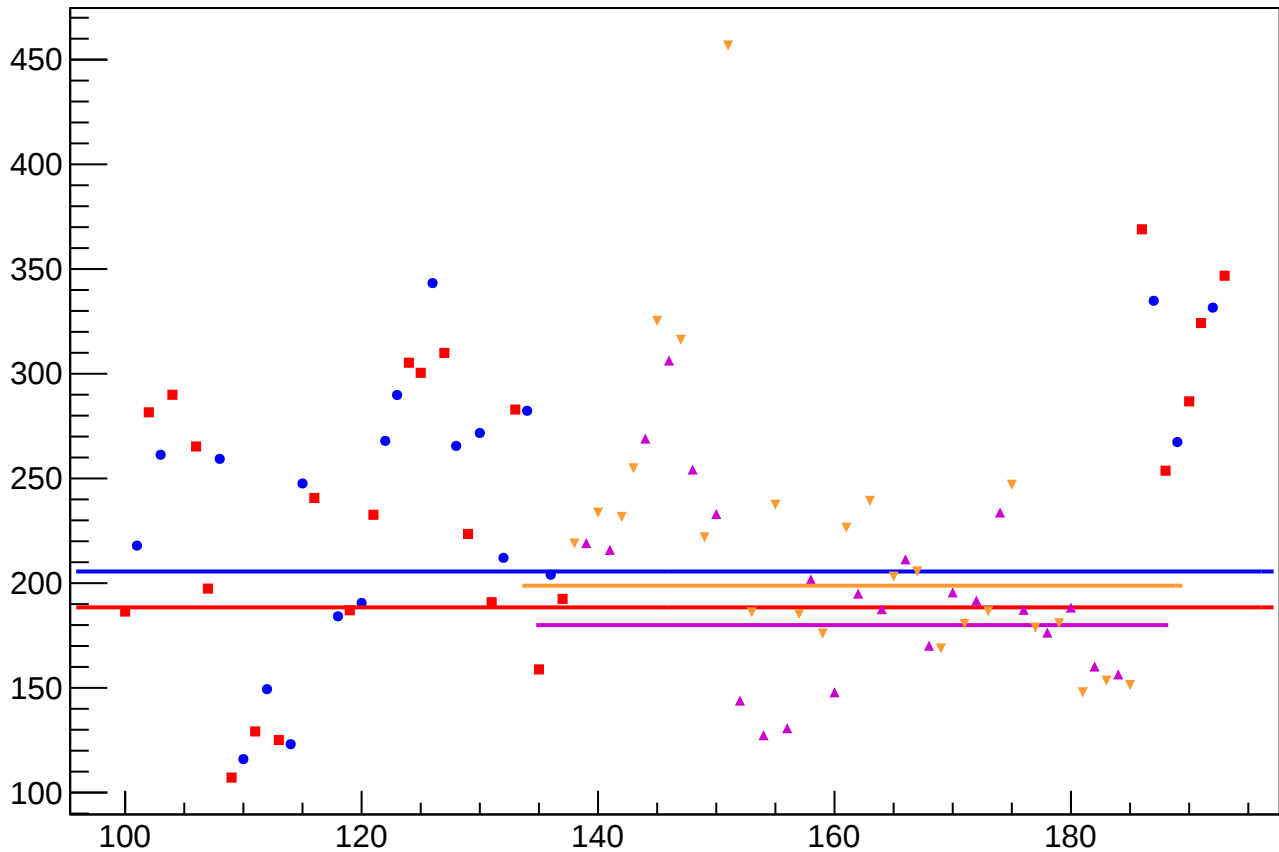
Left In: -35.996 $\pm$ 45.180 χ^2 /NDF: 6.1/22

+ sign 19.837 $\pm$ 40.612 χ^2 /NDF: 18.2/44

All: -1.355 $\pm$ 27.458 χ^2 /NDF: 32.5/91

- sign -19.200 $\pm$ 37.267 χ^2 /NDF: 13.7/46

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 205.580 $\pm$ 0.054 χ^2 /NDF: 1395682.6/19

Left Out: 198.784 $\pm$ 0.034 χ^2 /NDF:1758481.8/24

Right Out: 188.436 $\pm$ 0.047 χ^2 /NDF: 2434781.7/23

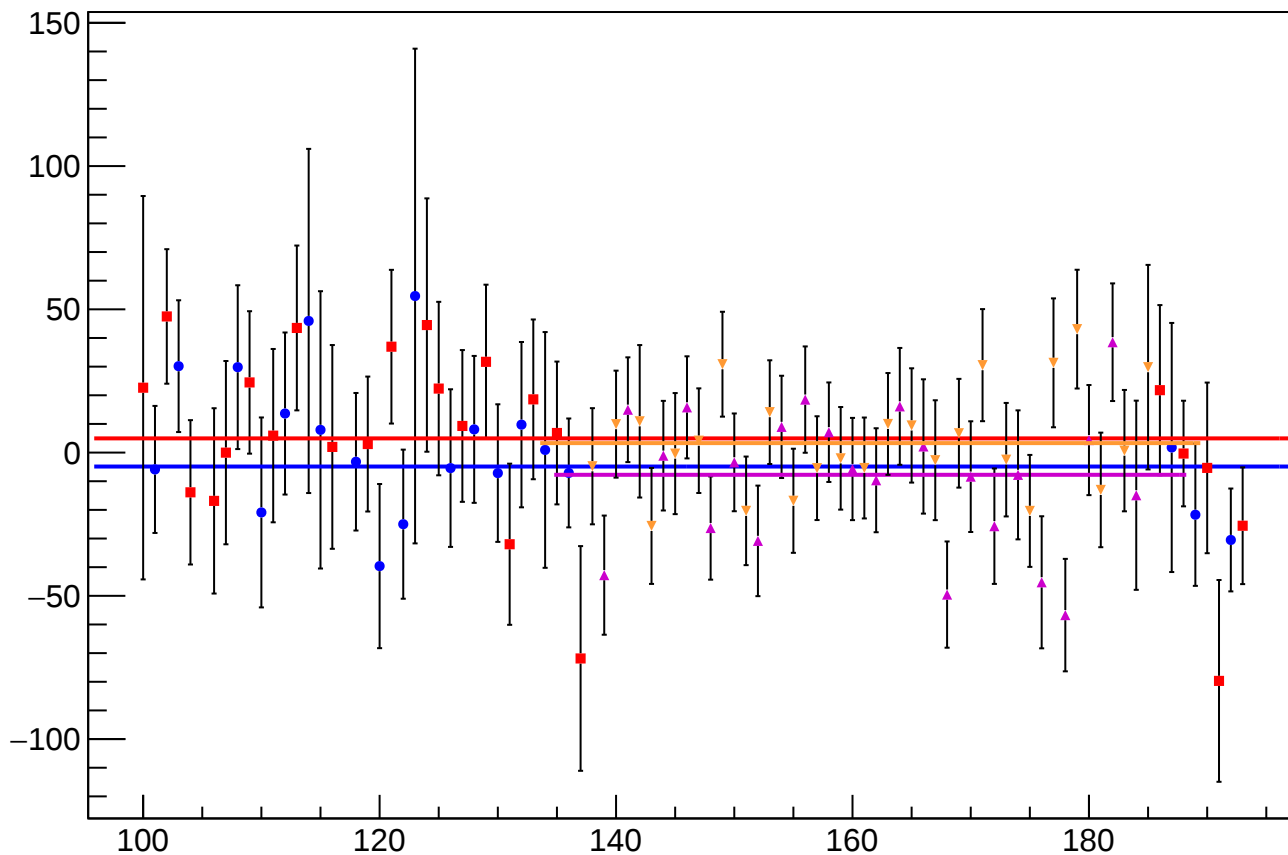
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 200.725 $\pm$ 0.029 χ^2 /NDF: 3165590.9/44

All: 190.928 $\pm$ 0.019 χ^2 /NDF: 7413113.9/91

- sign 182.677 $\pm$ 0.026 χ^2 /NDF: 4033103.5/46

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.869 ± 6.089 $\chi^2/\text{NDF}: 10.9/19$

Left Out: 3.307 ± 3.954 $\chi^2/\text{NDF}: 18.7/24$

Right Out: 4.953 ± 5.672 $\chi^2/\text{NDF}: 24.7/23$

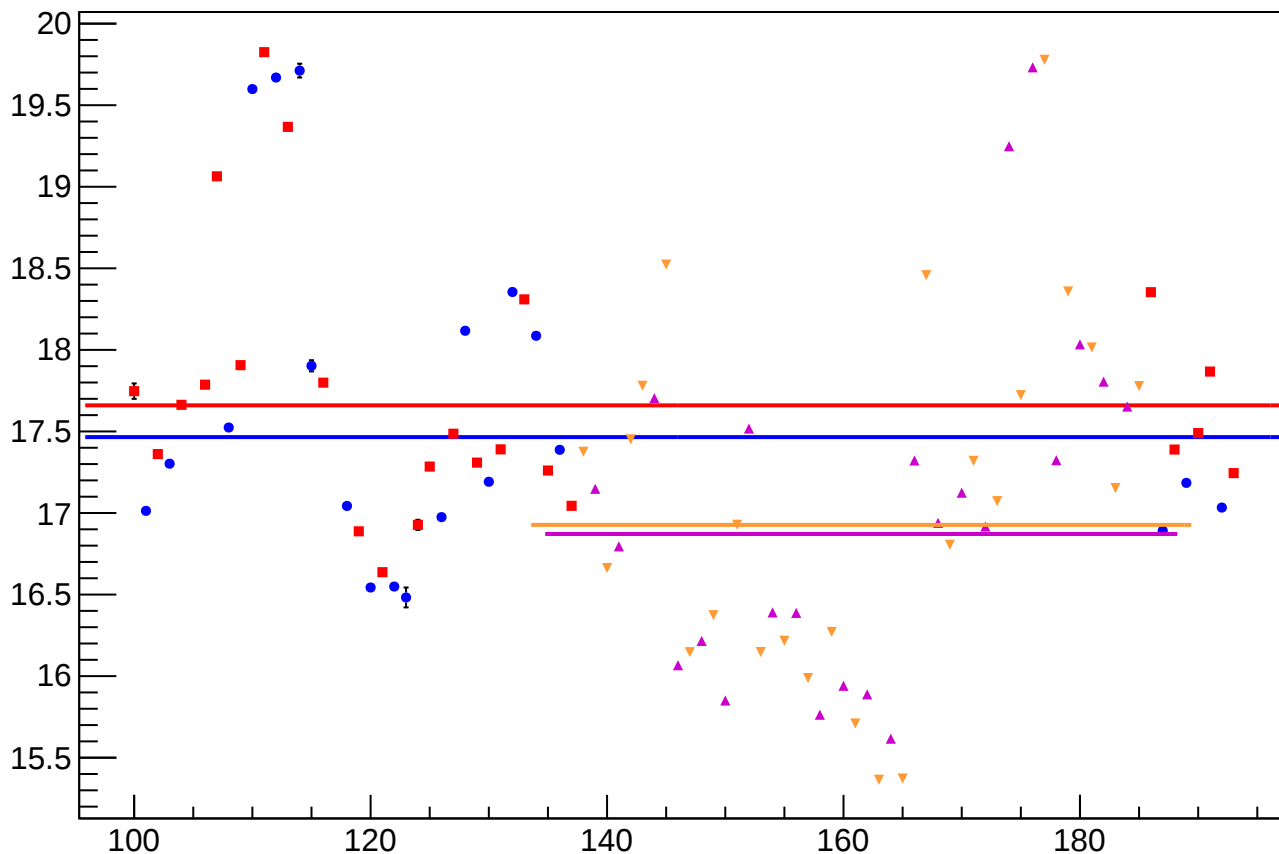
Left In: -7.756 ± 4.061 $\chi^2/\text{NDF}: 34.3/22$

+ sign 0.882 ± 3.316 $\chi^2/\text{NDF}: 30.8/44$

All: -1.293 ± 2.340 $\chi^2/\text{NDF}: 94.0/91$

- sign -3.449 ± 3.302 $\chi^2/\text{NDF}: 62.3/46$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.465 $\pm$ 0.004 χ^2 /NDF: 36104.3/19

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.660 $\pm$ 0.004 χ^2 /NDF: 32834.7/23

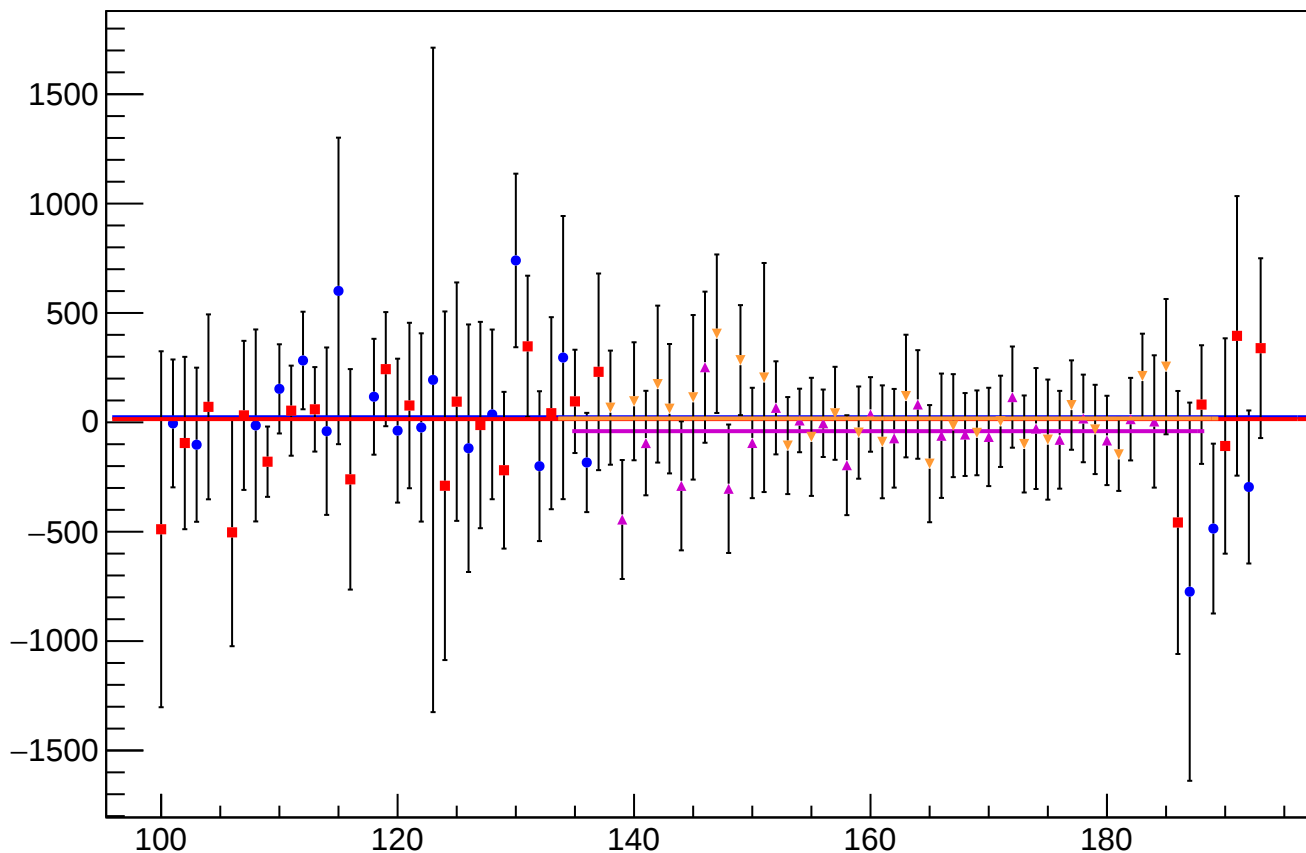
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.087 $\pm$ 0.002 χ^2 /NDF: 185619.3/44

All: 17.113 $\pm$ 0.002 χ^2 /NDF: 362258.3/91

- sign 17.139 $\pm$ 0.002 χ^2 /NDF: 176394.6/46

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 23.376 $\pm$ 76.707 χ^2 /NDF: 11.0/19

Left Out: 17.828 $\pm$ 48.547 χ^2 /NDF: 7.5/24

Right Out: 14.779 $\pm$ 66.763 χ^2 /NDF: 7.8/23

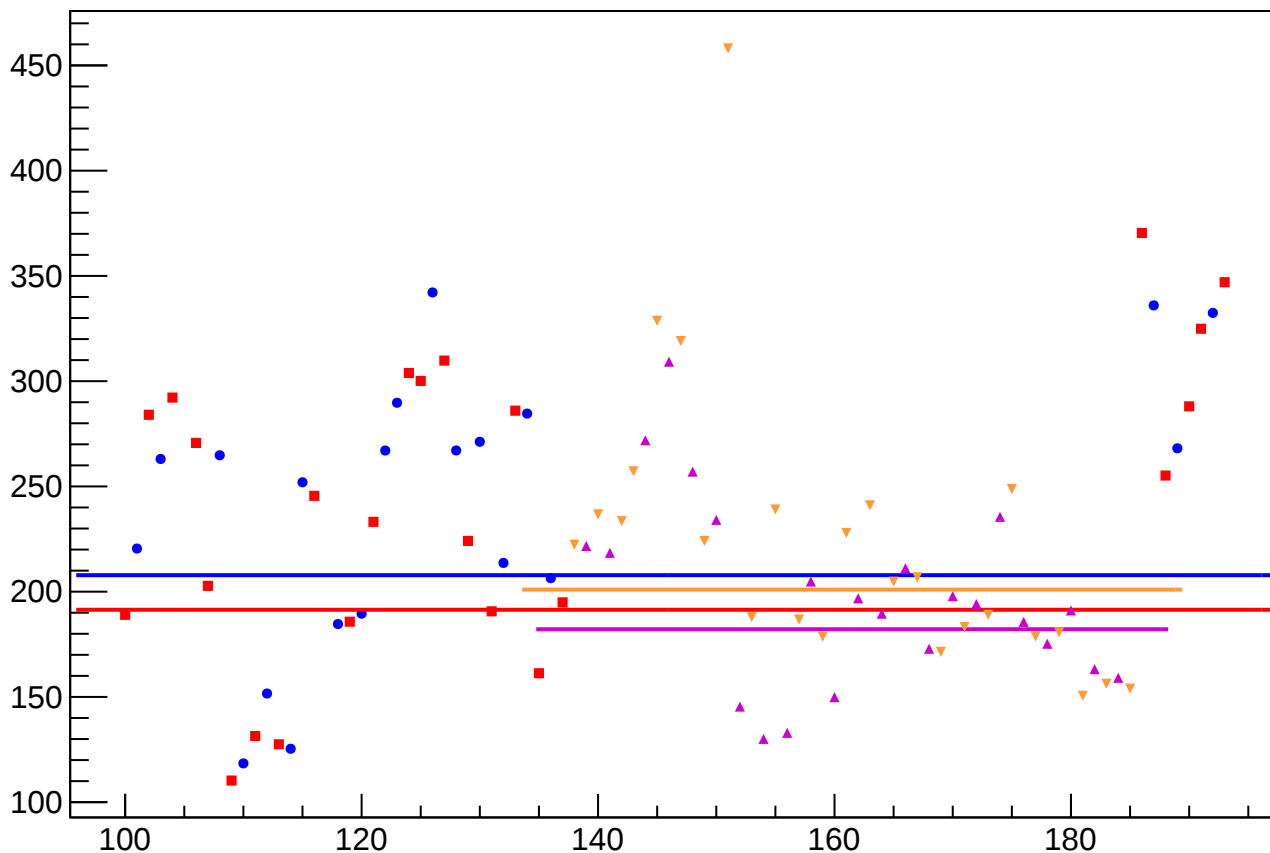
Left In: -40.355 $\pm$ 45.689 χ^2 /NDF: 6.6/22

+ sign 19.415 $\pm$ 41.022 χ^2 /NDF: 18.4/44

All: -3.452 $\pm$ 27.760 χ^2 /NDF: 33.9/91

- sign -22.770 $\pm$ 37.705 χ^2 /NDF: 14.9/46

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 207.834 $\pm$ 0.054 χ^2 /NDF: 1349701.7/19

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF:1727291.4/24

Right Out: 191.409 $\pm$ 0.047 χ^2 /NDF: 2346366.6/23

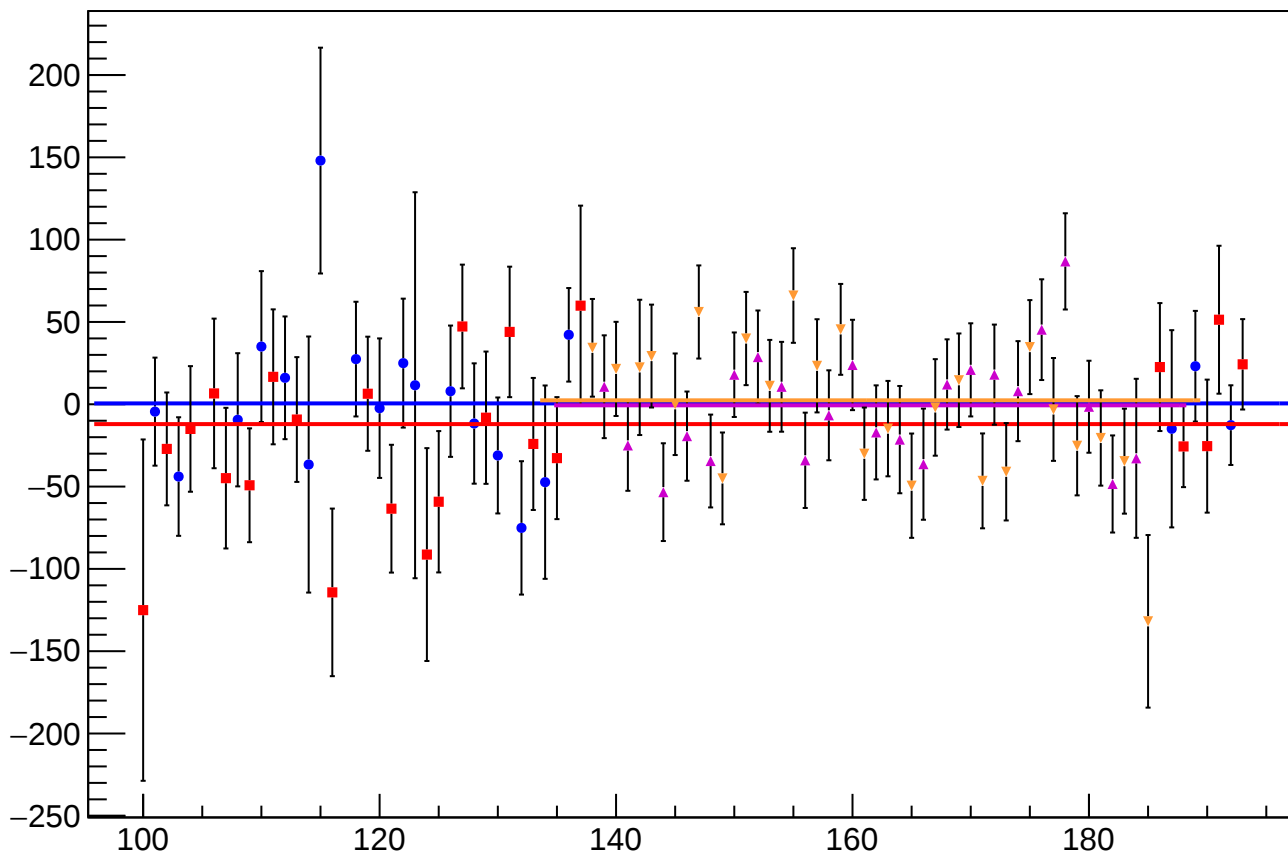
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF:1535922.8/22

+ sign 202.944 $\pm$ 0.029 χ^2 /NDF: 3088375.8/44

All: 193.276 $\pm$ 0.020 χ^2 /NDF: 7201741.4/91

- sign 185.109 $\pm$ 0.027 χ^2 /NDF: 3908439.4/46

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.527 ± 8.710 χ^2/NDF : 16.3/19

Left Out: 2.390 ± 5.980 χ^2/NDF : 39.1/24

Right Out: -12.048 ± 7.962 χ^2/NDF : 23.8/23

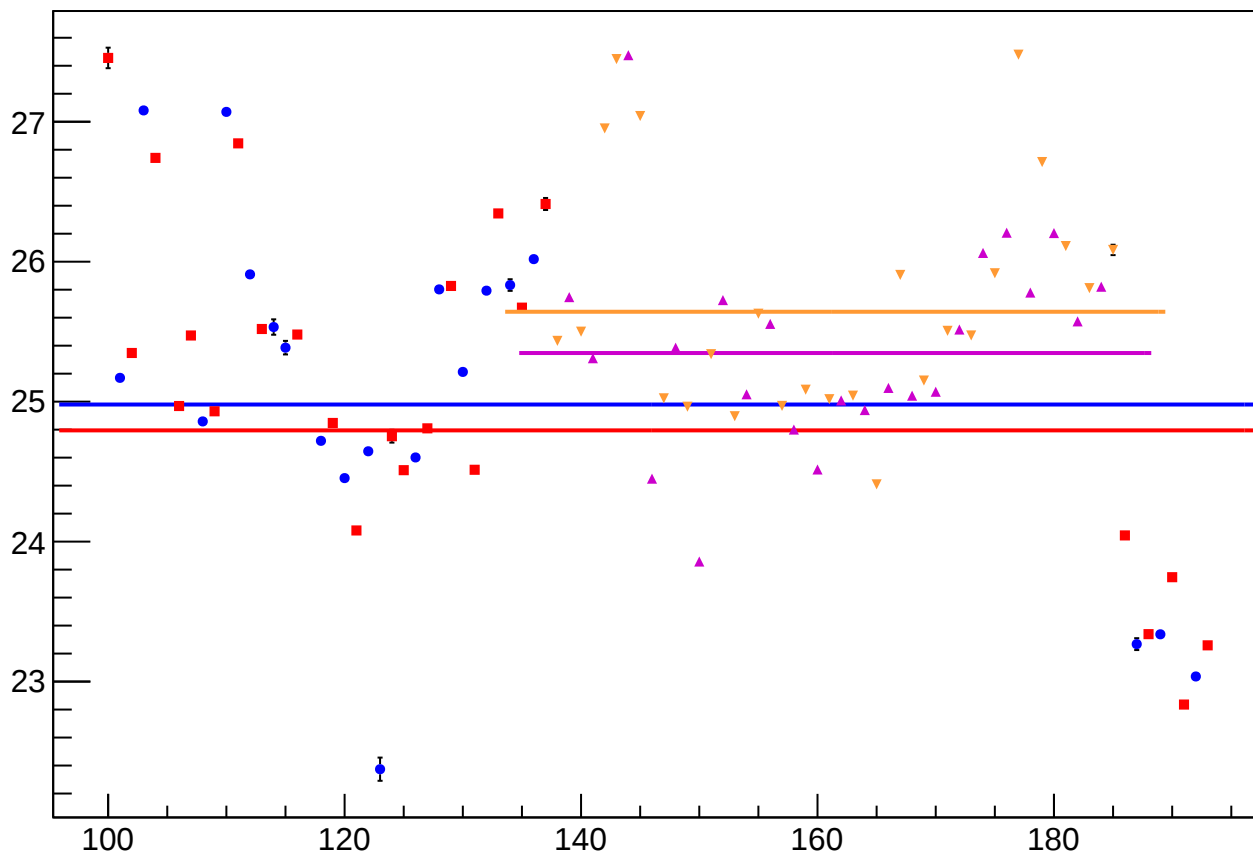
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 1.793 ± 4.930 χ^2/NDF : 55.4/44

All: -1.592 ± 3.453 χ^2/NDF : 108.8/91

- sign -4.852 ± 4.838 χ^2/NDF : 52.4/46

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.979 ± 0.006 χ^2/NDF : 38504.2/19

Left Out: 25.642 ± 0.004 χ^2/NDF : 34802.2/24

Right Out: 24.795 ± 0.006 χ^2/NDF : 40519.0/23

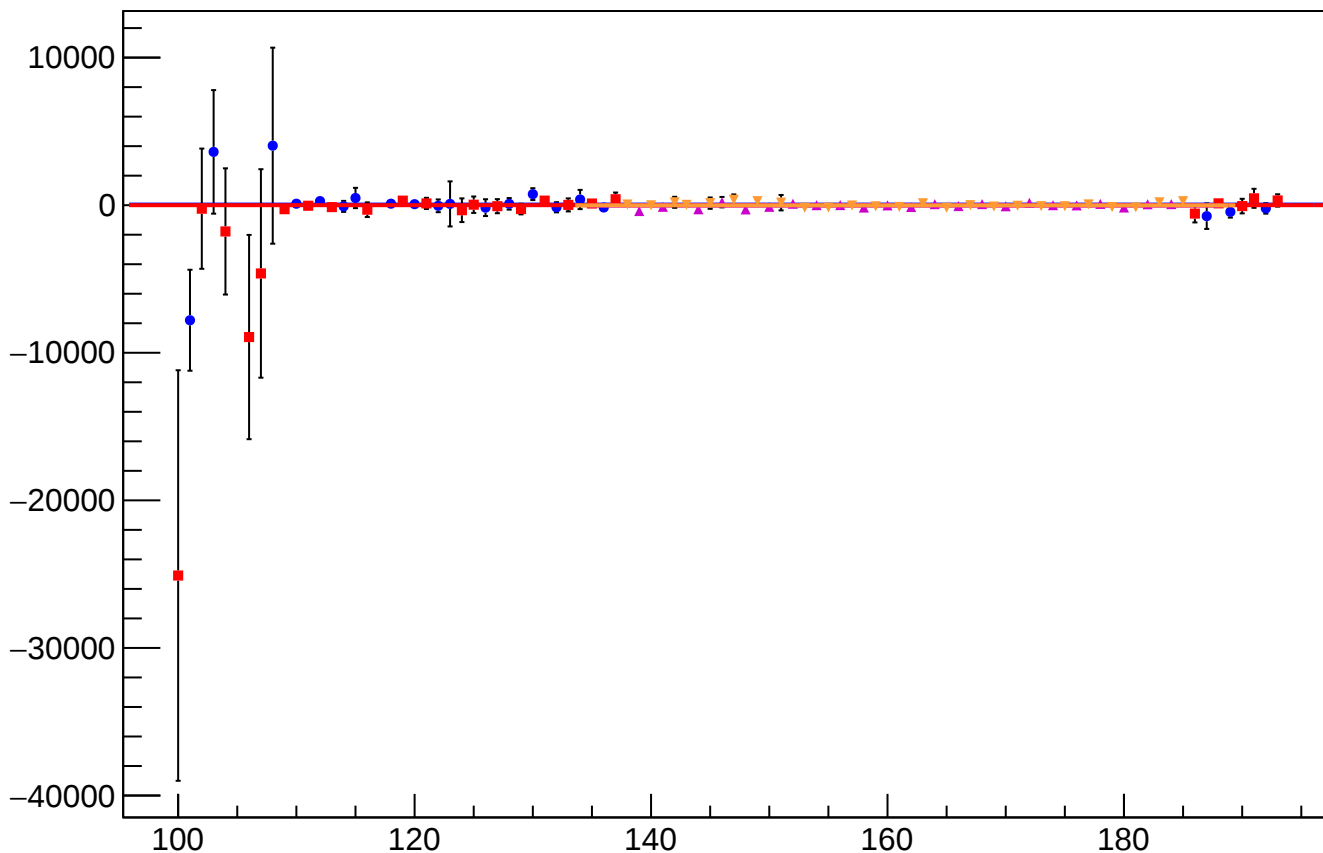
Left In: 25.347 ± 0.004 χ^2/NDF : 29389.5/22

+ sign 25.430 ± 0.003 χ^2/NDF : 81177.9/44

All: 25.284 ± 0.002 χ^2/NDF : 160607.8/91

- sign 25.143 ± 0.003 χ^2/NDF : 75987.1/46

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 40.174 $\pm$ 82.969 χ^2 /NDF: 15.7/19

Left Out: -11.432 $\pm$ 48.263 χ^2 /NDF: 8.0/24

Right Out: -0.402 $\pm$ 74.269 χ^2 /NDF: 14.3/23

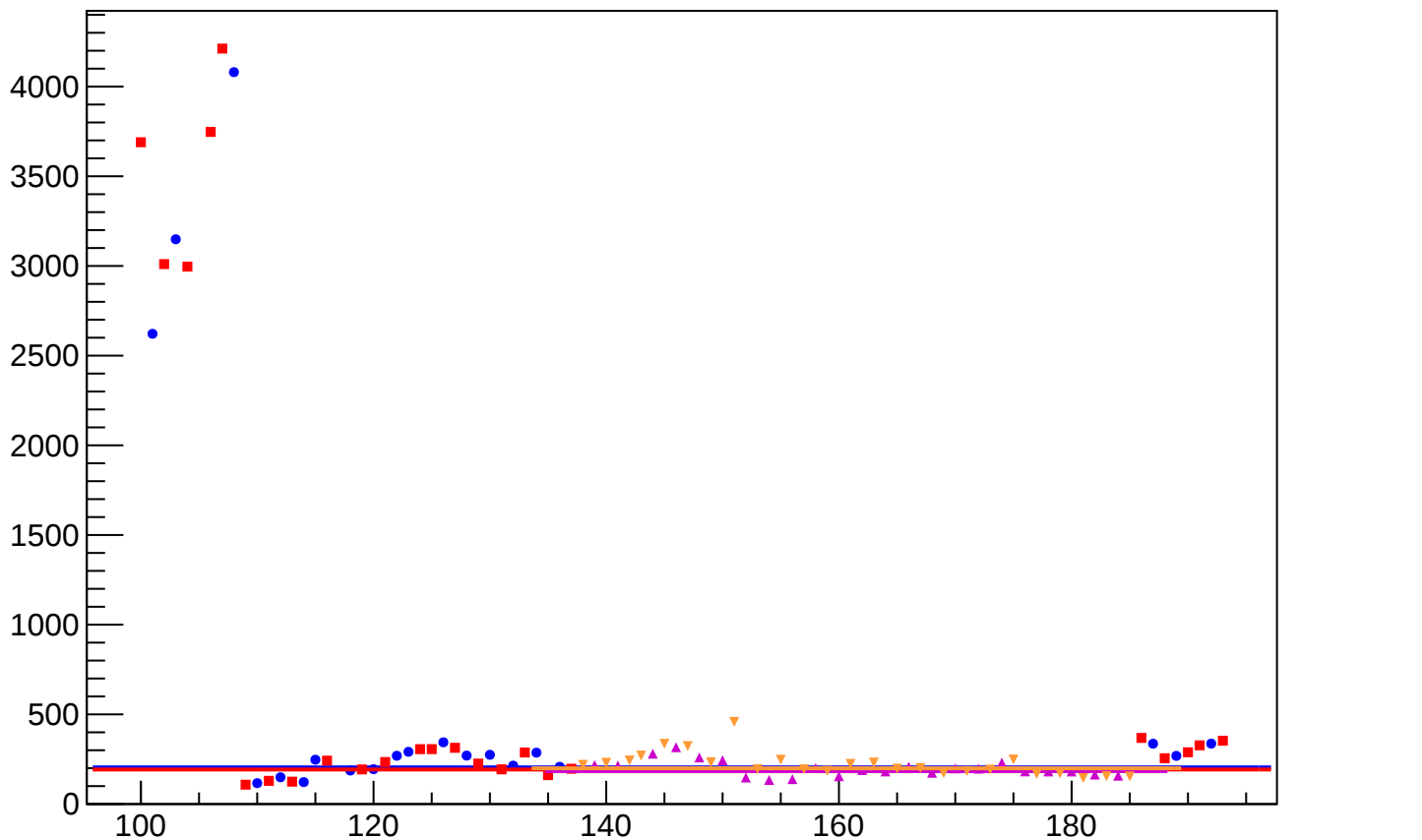
Left In: -27.098 $\pm$ 45.999 χ^2 /NDF: 7.2/22

+ sign 1.616 $\pm$ 41.718 χ^2 /NDF: 24.0/44

All: -9.729 $\pm$ 28.531 χ^2 /NDF: 45.7/91

- sign -19.697 $\pm$ 39.106 χ^2 /NDF: 21.6/46

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 204.237 $\pm$ 0.059 χ^2 /NDF: 3997742.3/19

Left Out: 199.438 $\pm$ 0.034 χ^2 /NDF: 1877848.7/24

Right Out: 192.598 $\pm$ 0.053 χ^2 /NDF: 5056660.9/23

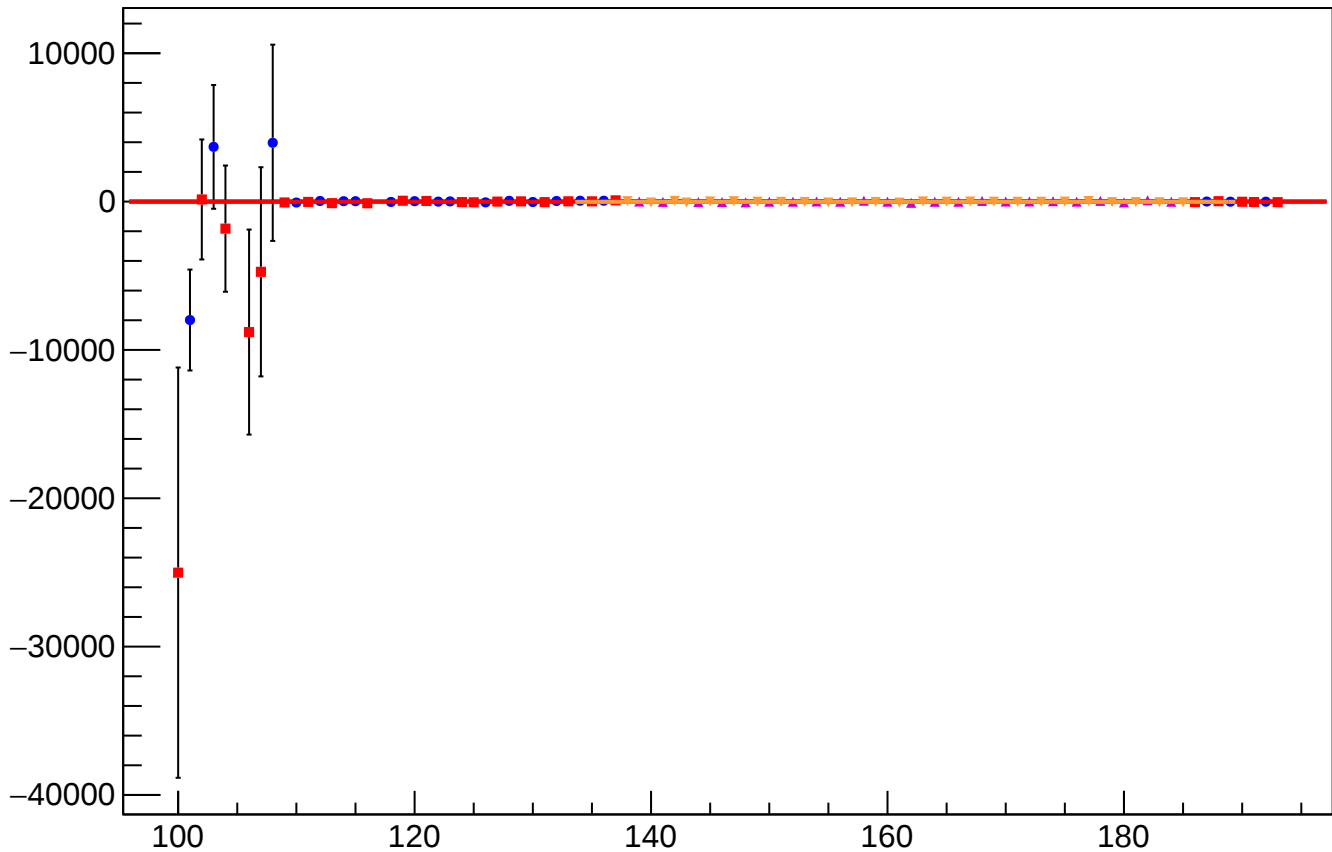
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF: 1412869.6/22

+ sign 200.651 $\pm$ 0.029 χ^2 /NDF: 5880590.9/44

All: 192.982 $\pm$ 0.020 χ^2 /NDF: 12497372.6/90

- sign 186.243 $\pm$ 0.028 χ^2 /NDF: 6489793.0/46

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 7.160 $\pm$ 10.643 χ^2 /NDF: 18.8/19

Left Out: -18.118 $\pm$ 6.704 χ^2 /NDF:21.7/24

Right Out: -12.134 $\pm$ 10.014 χ^2 /NDF: 26.5/23

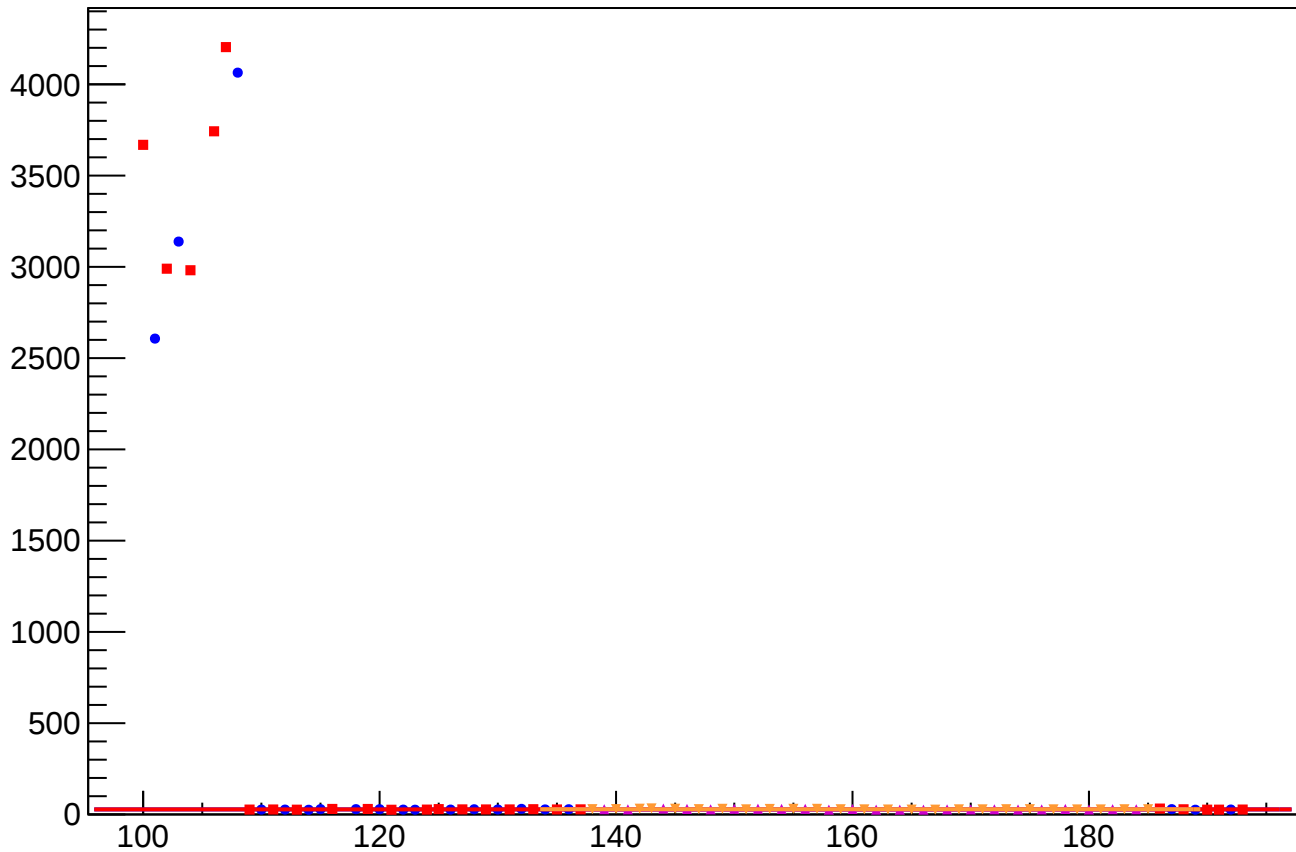
Left In: -1.267 $\pm$ 6.908 χ^2 /NDF:32.0/22

+ sign -10.937 $\pm$ 5.672 χ^2 /NDF: 44.6/44

All: -7.862 $\pm$ 4.016 χ^2 /NDF: 104.5/91

- sign -4.771 $\pm$ 5.686 χ^2 /NDF: 59.4/46

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.598 $\pm$ 0.008 χ^2 /NDF: 3033662.2/19

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.720 $\pm$ 0.007 χ^2 /NDF: 3497782.6/23

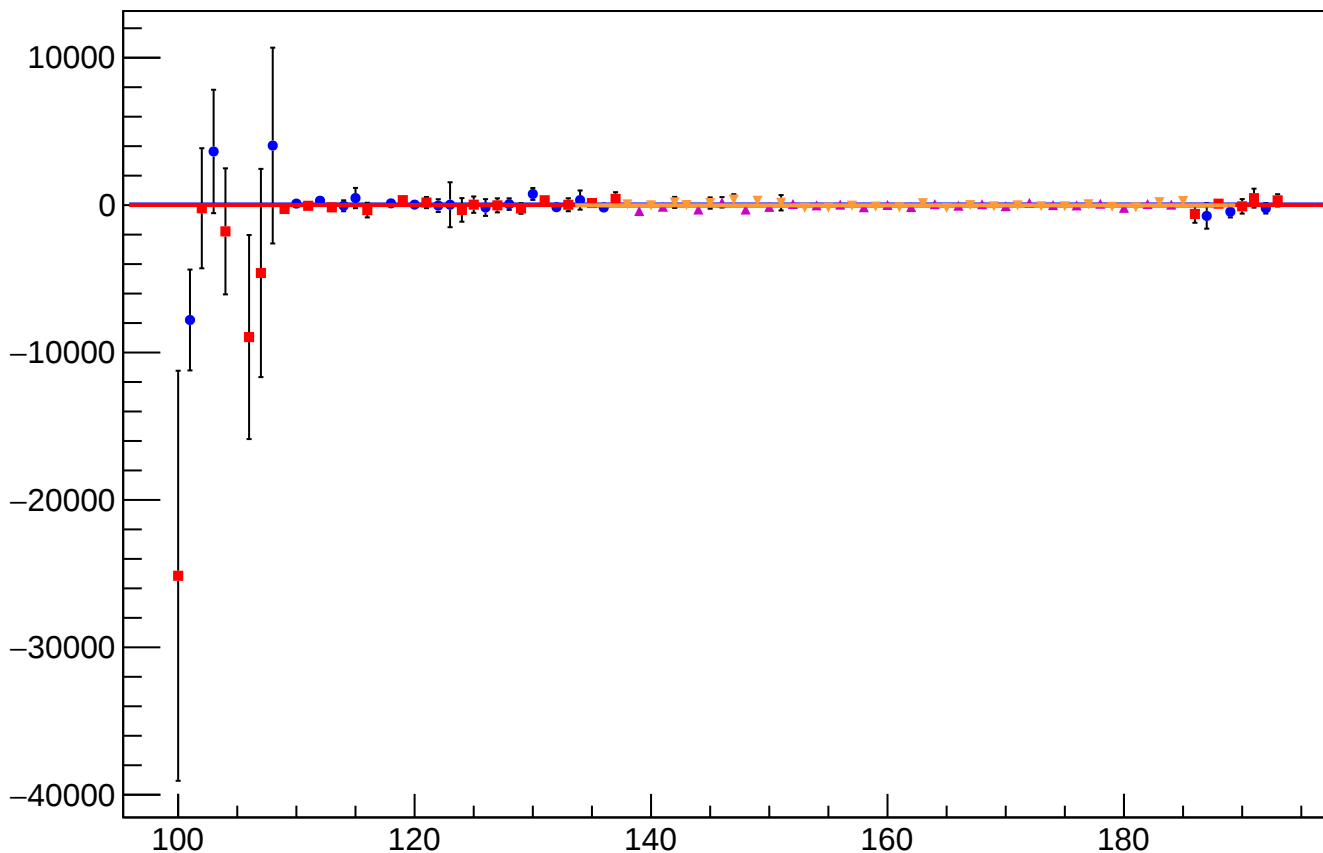
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.382 $\pm$ 0.004 χ^2 /NDF: 3159320.2/44

All: 28.375 $\pm$ 0.003 χ^2 /NDF: 6793281.9/91

- sign 28.368 $\pm$ 0.004 χ^2 /NDF: 3633955.7/46

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 44.831 $\pm$ 82.723 χ^2 /NDF: 16.0/19

Left Out: -13.878 $\pm$ 48.155 χ^2 /NDF: 8.8/24

Right Out: 5.124 $\pm$ 74.061 χ^2 /NDF: 15.1/23

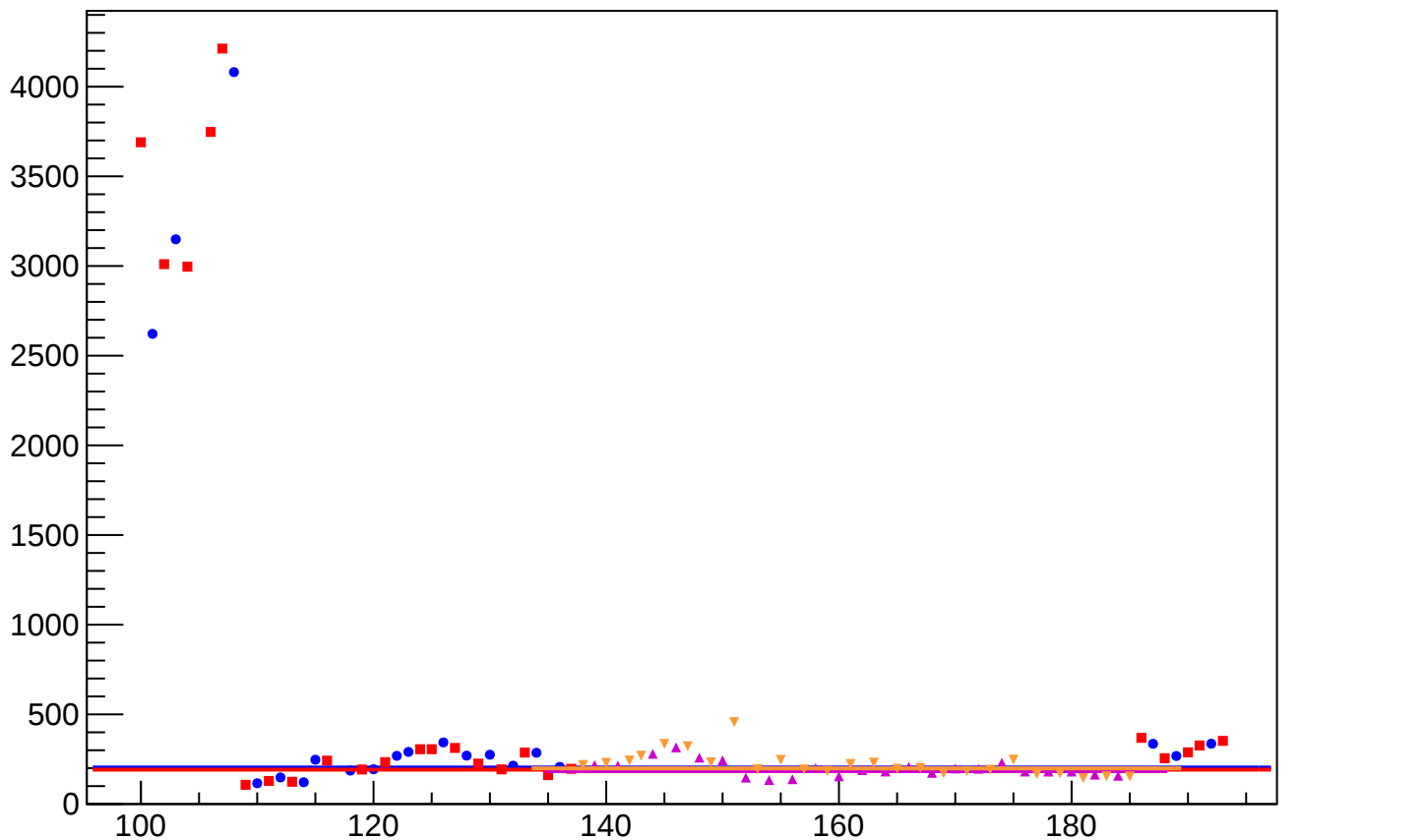
Left In: -27.286 $\pm$ 45.907 χ^2 /NDF: 7.5/22

+ sign 0.982 $\pm$ 41.617 χ^2 /NDF: 25.2/44

All: -9.275 $\pm$ 28.465 χ^2 /NDF: 47.9/91

- sign -18.290 $\pm$ 39.019 χ^2 /NDF: 22.7/46

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 203.513 $\pm$ 0.058 χ^2 /NDF: 4012319.7/19

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF: 1877636.0/24

Right Out: 191.930 $\pm$ 0.052 χ^2 /NDF: 5074918.5/23

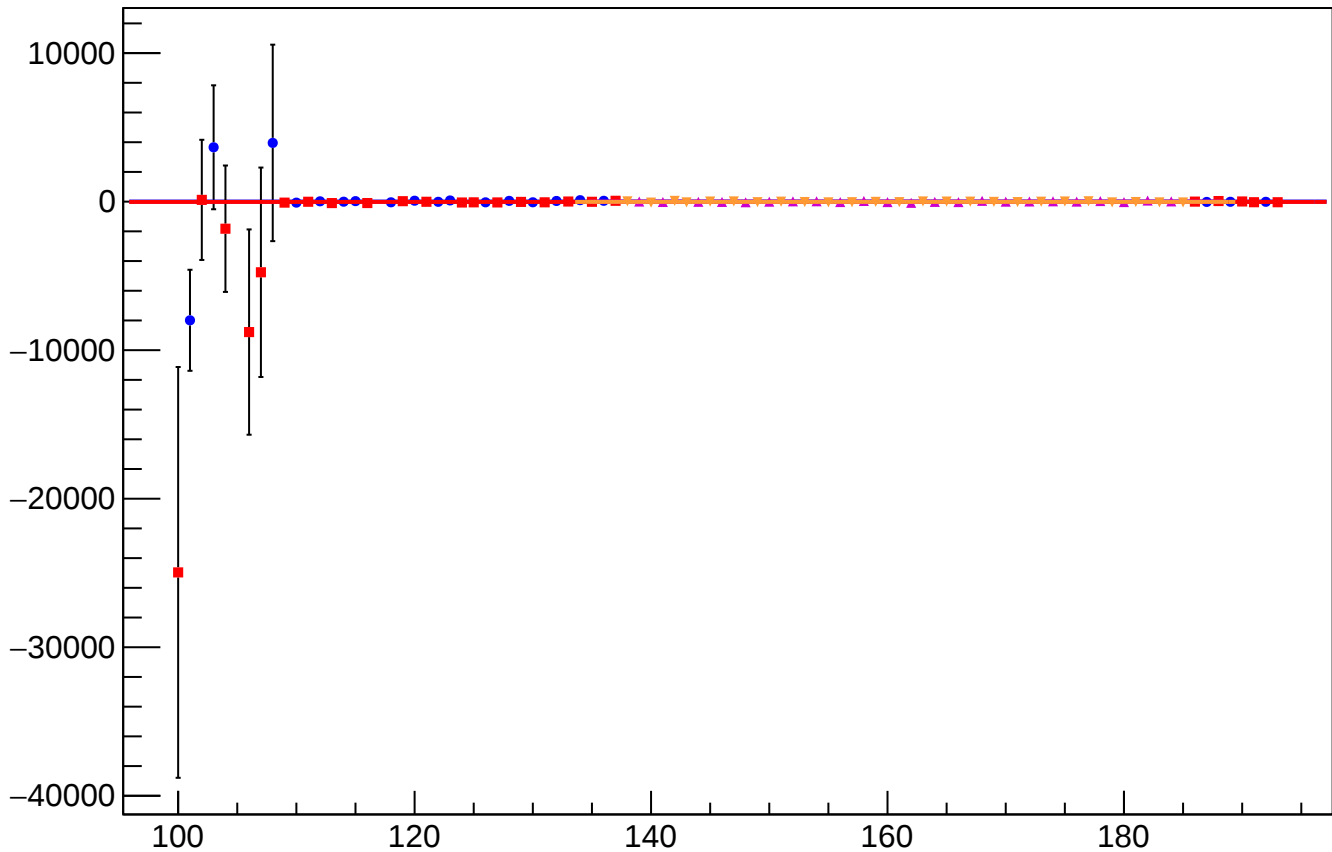
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 200.140 $\pm$ 0.029 χ^2 /NDF: 5894409.0/44

All: 192.507 $\pm$ 0.020 χ^2 /NDF: 12527055.5/93

- sign 185.798 $\pm$ 0.028 χ^2 /NDF: 6506241.2/46

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 4.478 $\pm$ 10.693 χ^2 /NDF: 23.2/19

Left Out: -15.829 $\pm$ 6.733 χ^2 /NDF:16.5/24

Right Out: -19.239 $\pm$ 10.053 χ^2 /NDF: 21.8/23

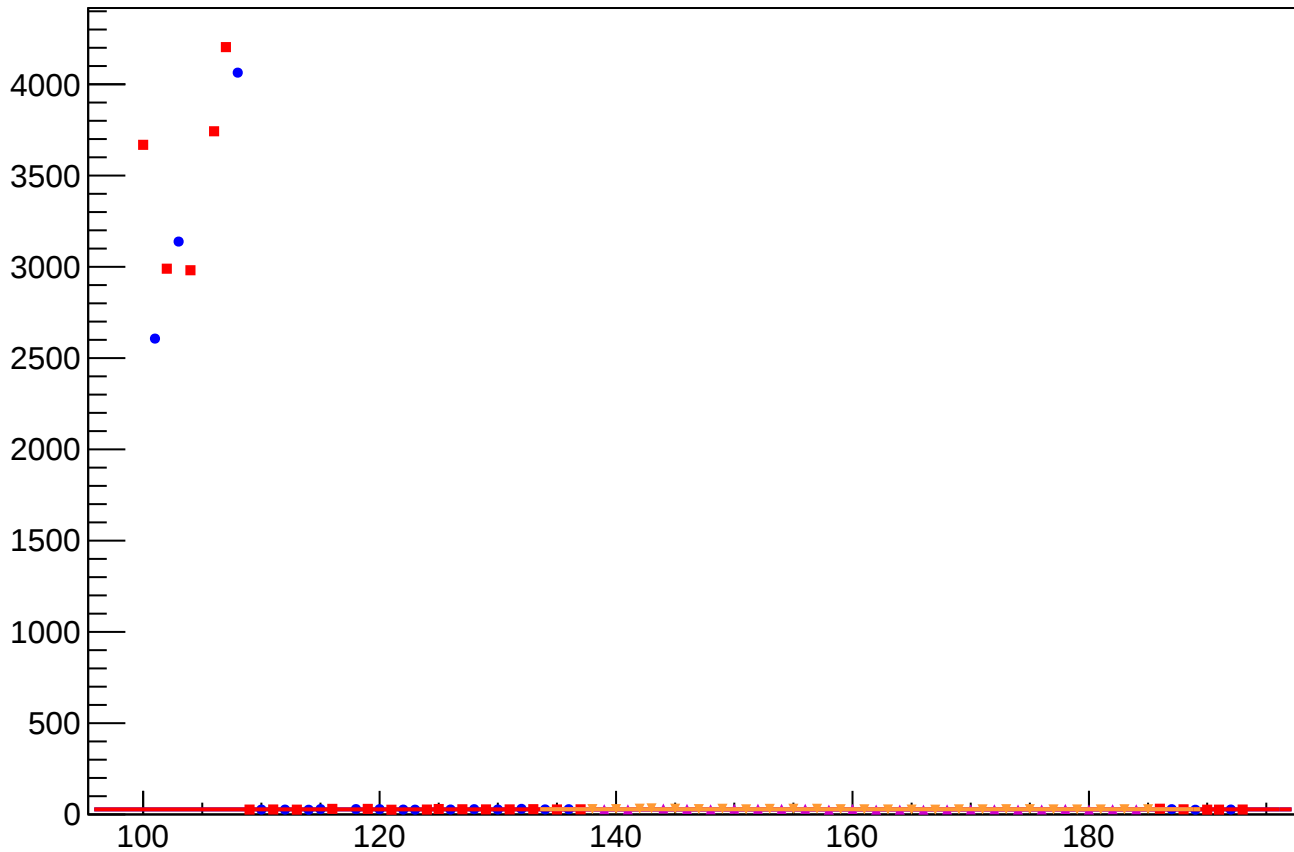
Left In: 0.498 $\pm$ 6.937 χ^2 /NDF:26.1/22

+ sign -10.064 $\pm$ 5.698 χ^2 /NDF: 42.3/44

All: -7.970 $\pm$ 4.033 χ^2 /NDF: 93.1/91

- sign -5.868 $\pm$ 5.710 χ^2 /NDF: 50.5/46

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.723 $\pm$ 0.008 χ^2 /NDF: 3035896.6/19

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.830 $\pm$ 0.007 χ^2 /NDF: 3495865.2/23

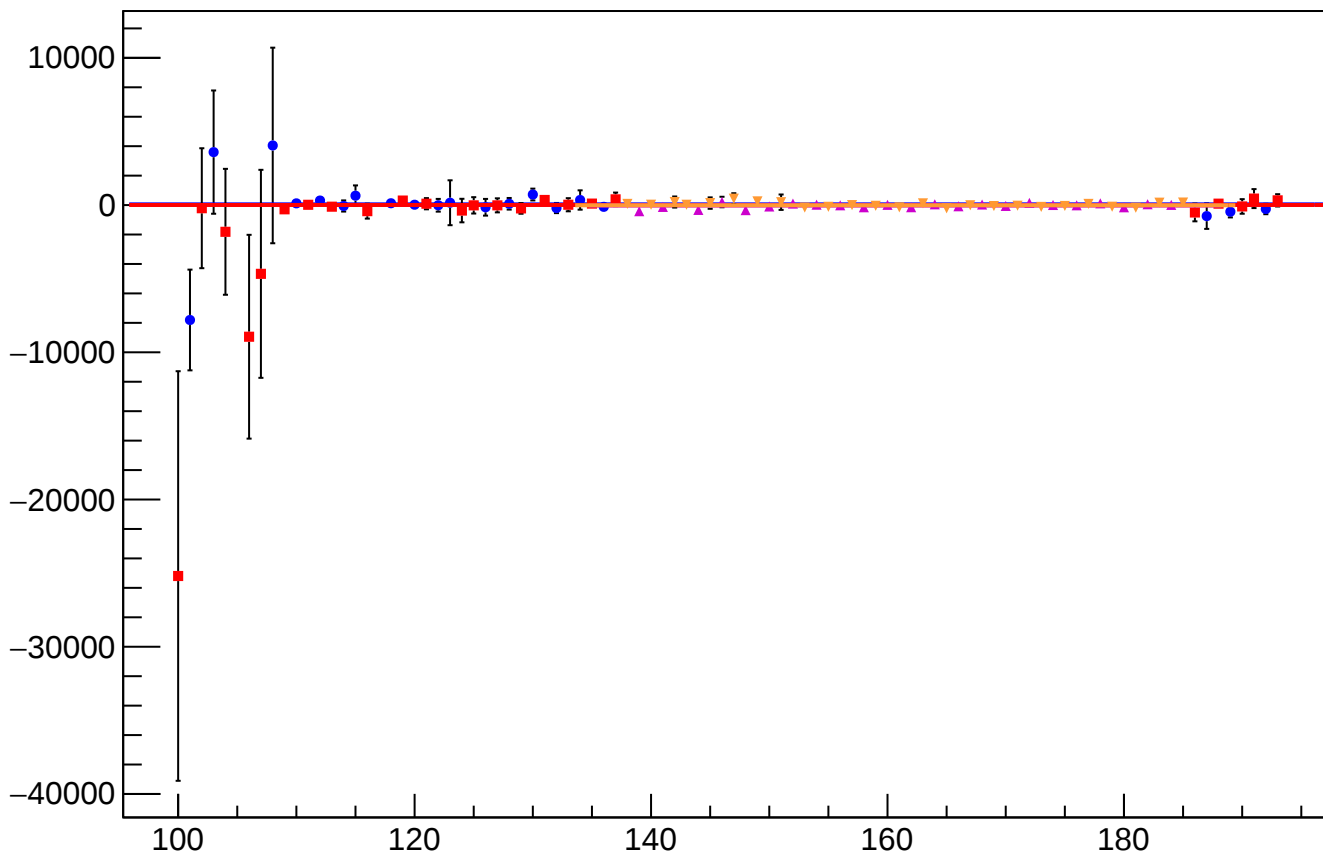
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.505 $\pm$ 0.004 χ^2 /NDF: 3172960.8/44

All: 28.495 $\pm$ 0.003 χ^2 /NDF: 6809649.0/91

- sign 28.485 $\pm$ 0.004 χ^2 /NDF: 3636677.1/46

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 48.005 $\pm$ 83.625 χ^2 /NDF: 16.2/19

Left Out: -13.966 $\pm$ 48.735 χ^2 /NDF: 8.1/24

Right Out: 6.936 $\pm$ 74.944 χ^2 /NDF: 14.2/23

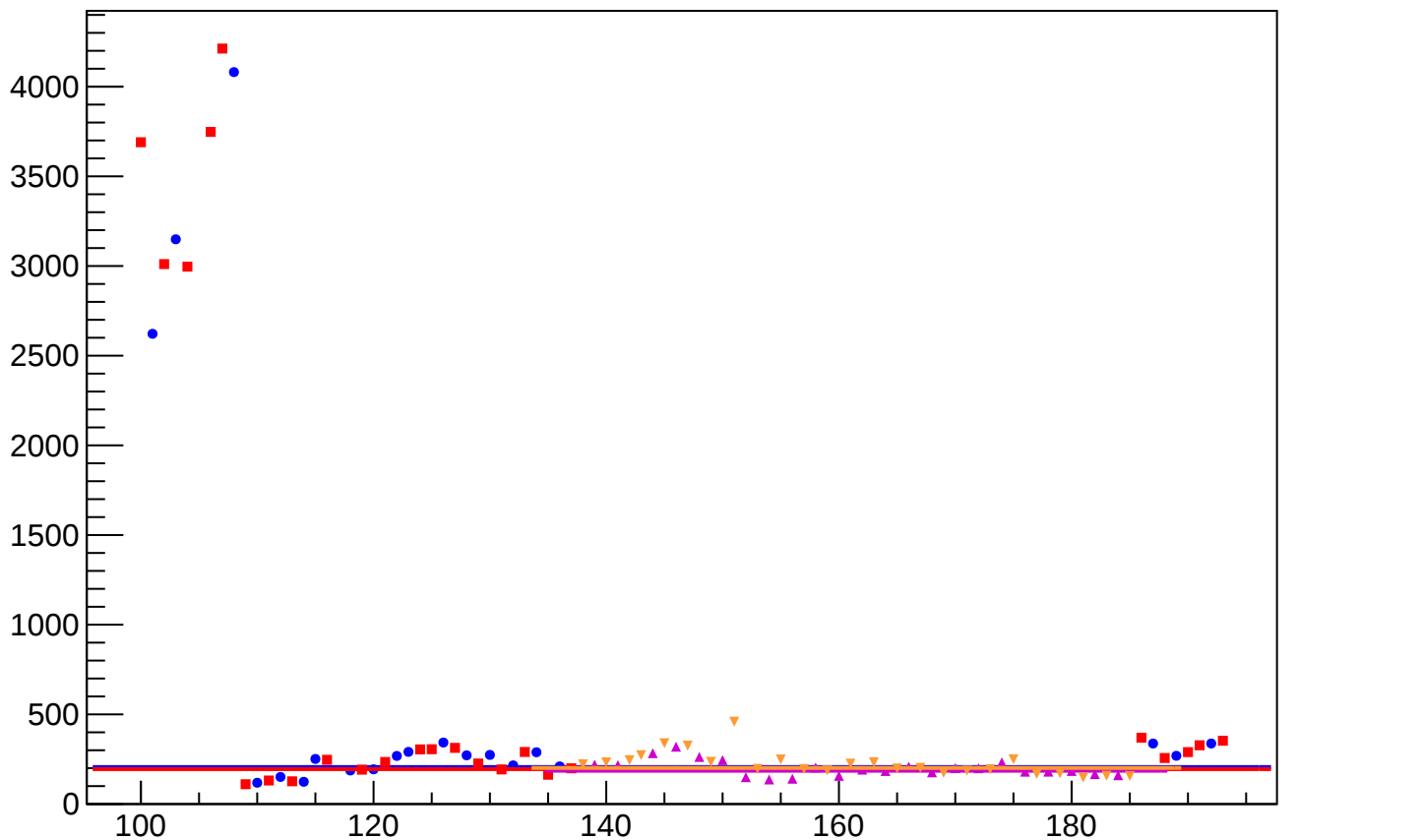
Left In: -31.477 $\pm$ 46.483 χ^2 /NDF: 7.8/22

+ sign 1.746 $\pm$ 42.107 χ^2 /NDF: 24.7/44

All: -10.249 $\pm$ 28.809 χ^2 /NDF: 47.1/91

- sign -20.805 $\pm$ 39.502 χ^2 /NDF: 22.2/46

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 206.233 $\pm$ 0.059 χ^2 /NDF: 3951193.5/19

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF:1854905.1/24

Right Out: 194.853 $\pm$ 0.053 χ^2 /NDF: 4992511.3/23

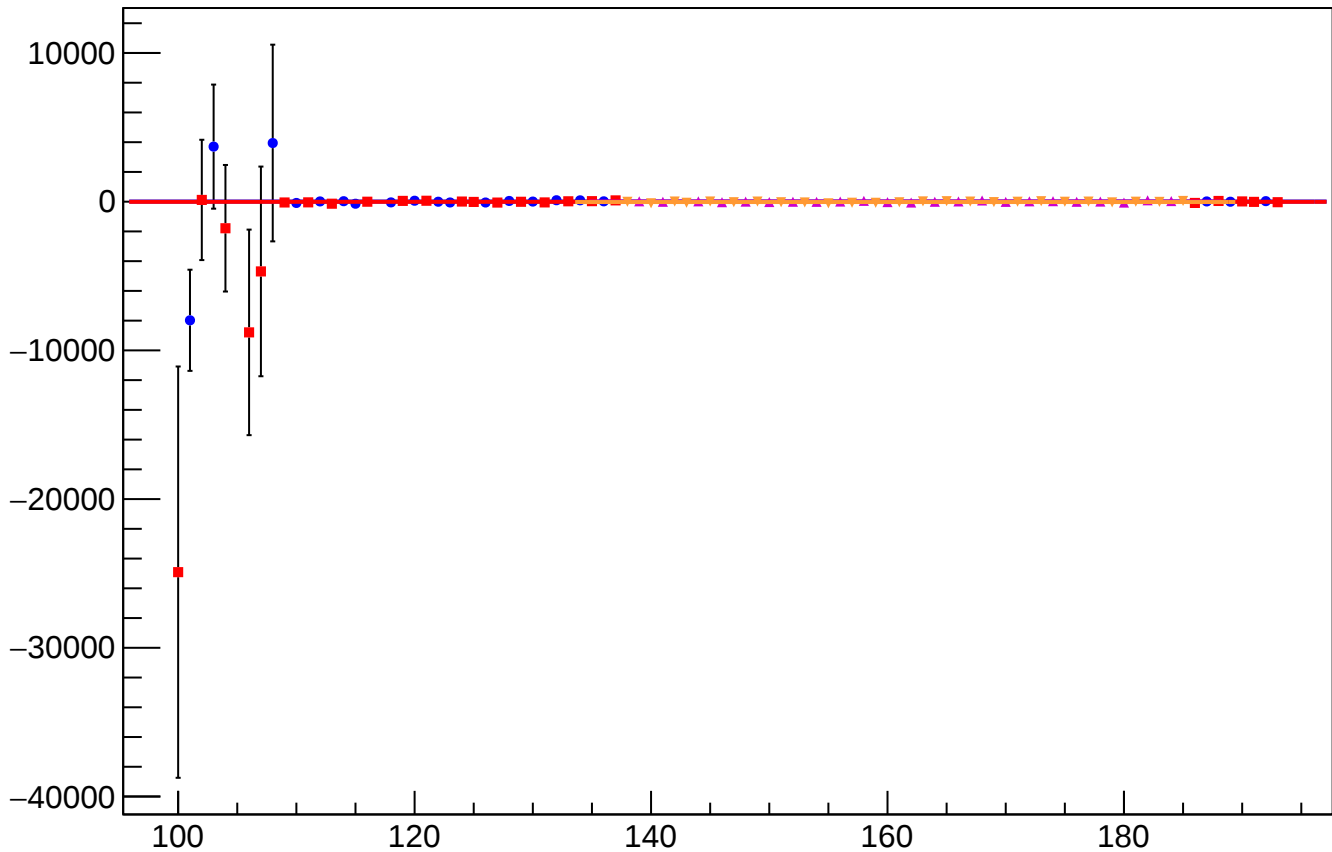
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF:1380877.6/22

+ sign 202.702 $\pm$ 0.030 χ^2 /NDF: 5810875.4/44

All: 195.080 $\pm$ 0.020 χ^2 /NDF: 12328191.6/90

- sign 188.372 $\pm$ 0.028 χ^2 /NDF: 6394098.8/46

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 9.852 ± 13.057 χ^2/NDF : 20.8/19

Left Out: -24.144 ± 8.076 χ^2/NDF : 24.9/24

Right Out: -8.917 ± 12.243 χ^2/NDF : 25.9/23

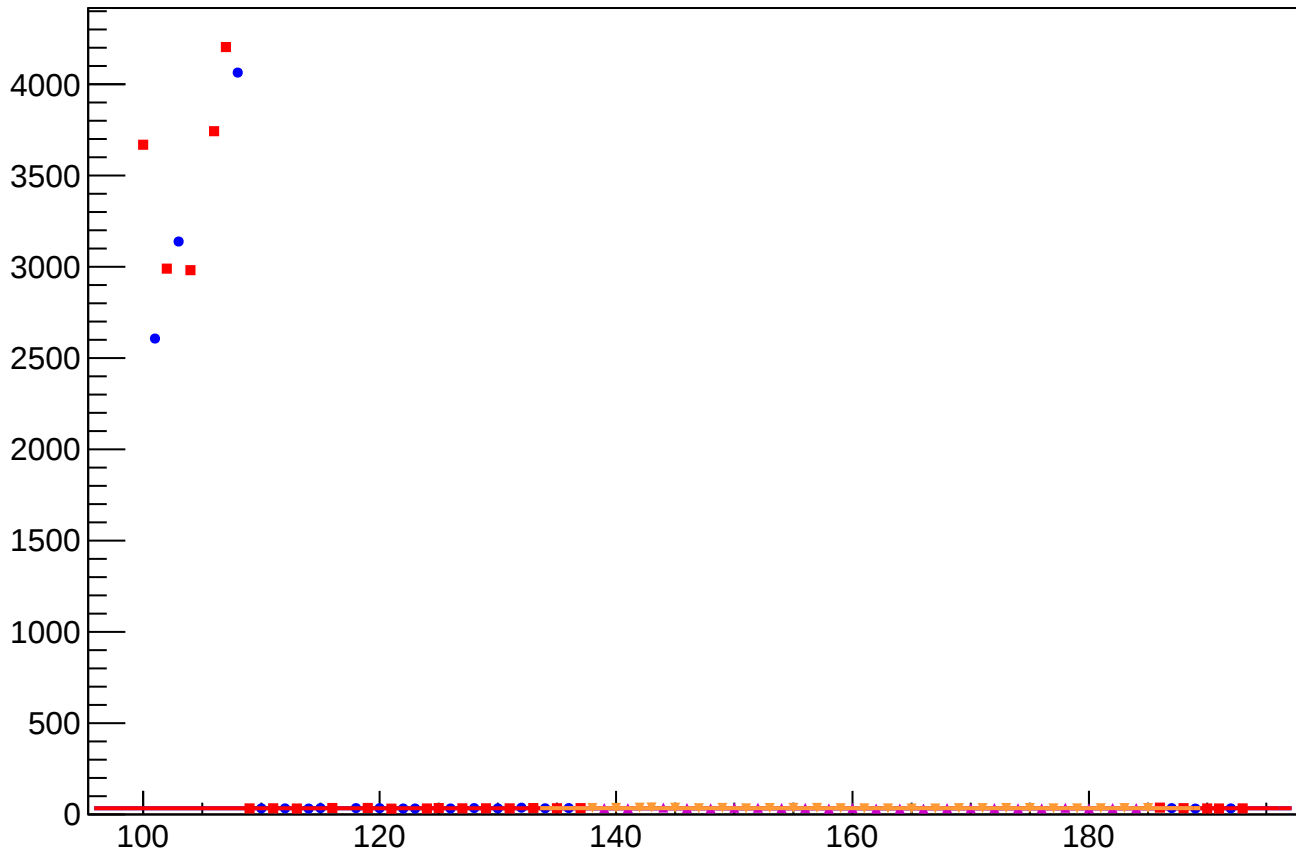
Left In: 5.924 ± 8.340 χ^2/NDF : 21.0/22

+ sign -14.736 ± 6.868 χ^2/NDF : 50.6/44

All: -6.786 ± 4.865 χ^2/NDF : 101.2/91

- sign 1.220 ± 6.893 χ^2/NDF : 47.9/46

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.888 $\pm$ 0.009 χ^2 /NDF: 3010321.1/19

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.967 $\pm$ 0.009 χ^2 /NDF: 3460507.5/23

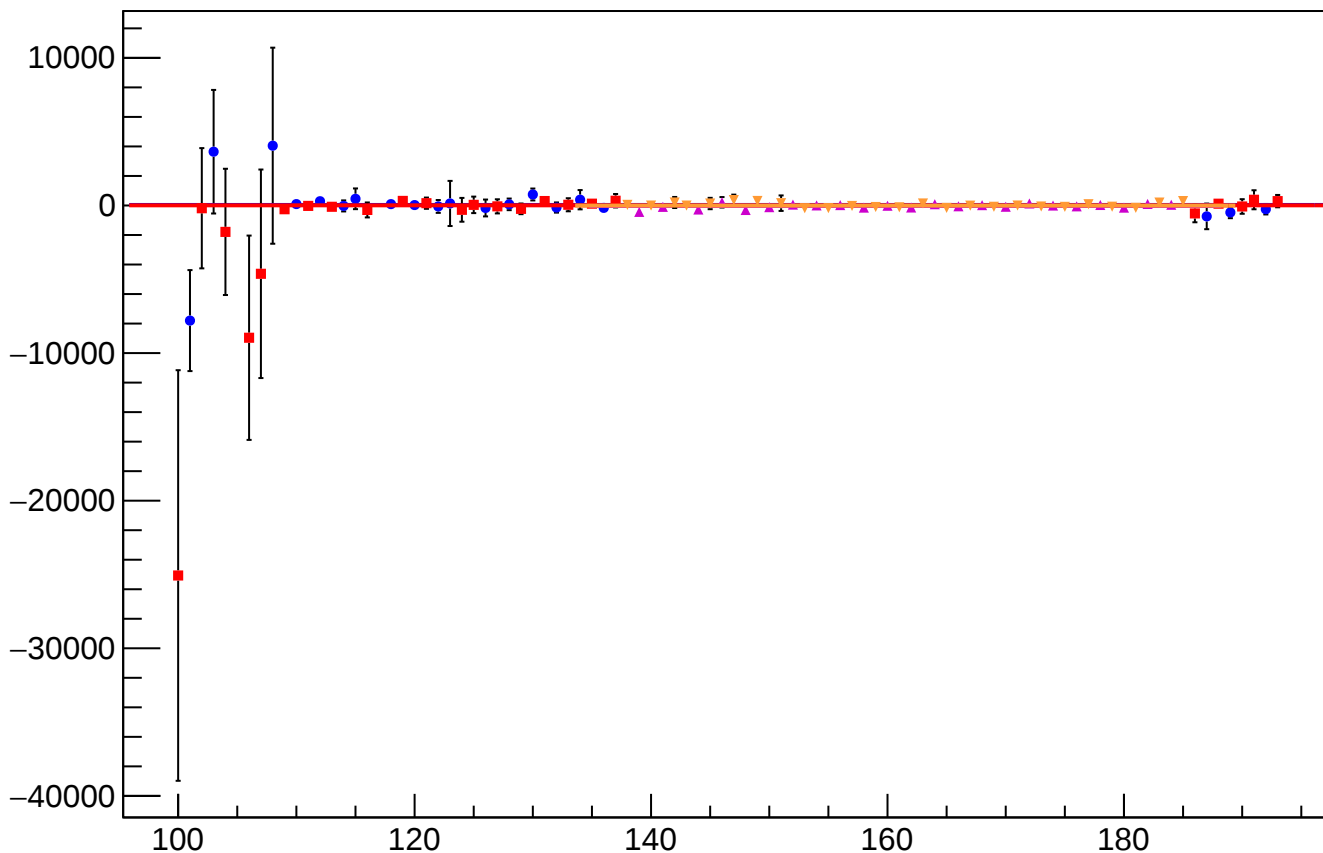
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.416 $\pm$ 0.005 χ^2 /NDF: 3072703.0/44

All: 34.435 $\pm$ 0.003 χ^2 /NDF: 6597734.3/91

- sign 34.455 $\pm$ 0.005 χ^2 /NDF: 3524998.2/46

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 34.859+/-83.243 χ^2/NDF : 16.0/19

Left Out: -7.558+/-48.662 χ^2/NDF : 8.8/24

Right Out: 10.647+/-74.512 χ^2/NDF : 13.0/23

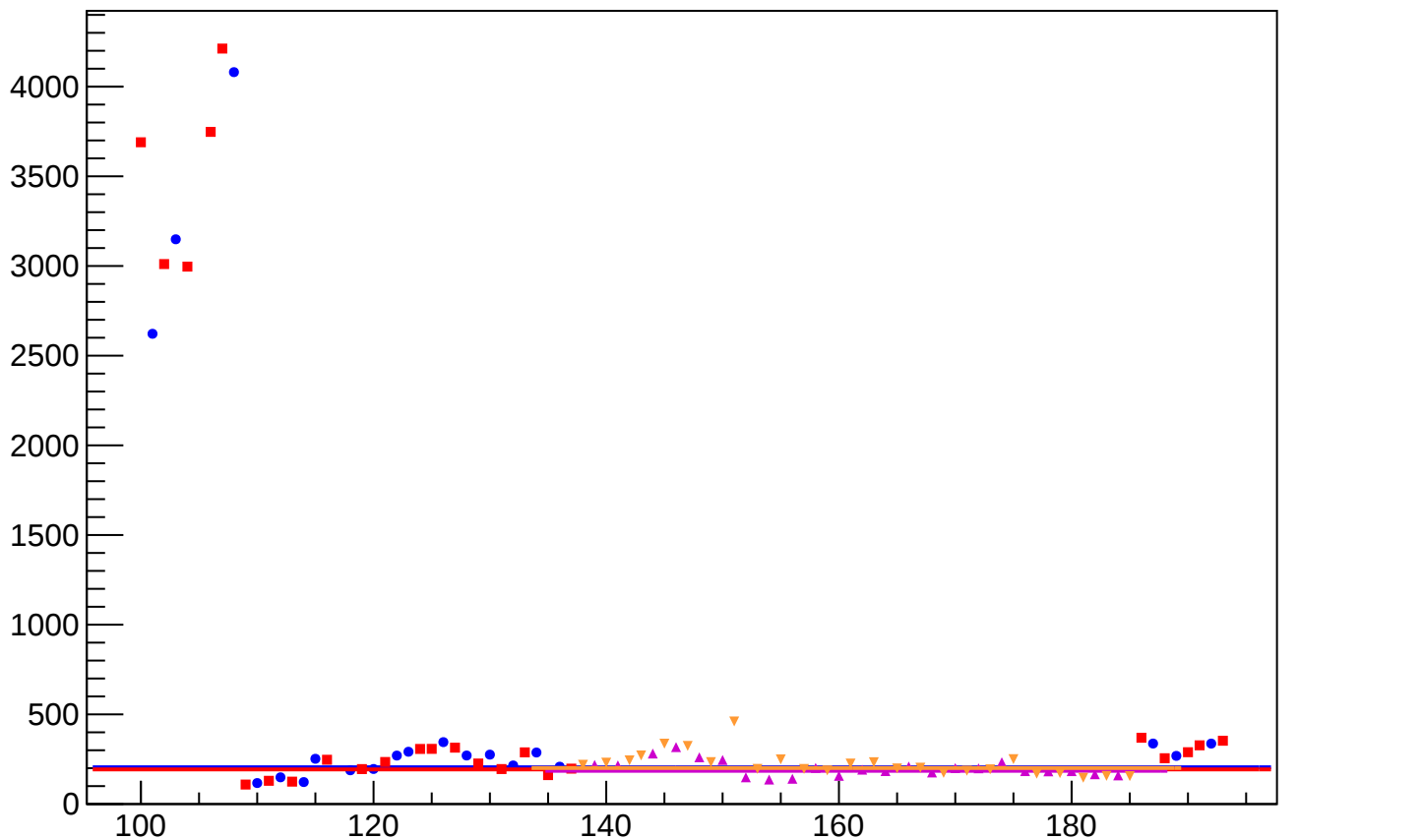
Left In: -34.977+/-46.421 χ^2/NDF : 7.1/22

+ sign 3.246+/-42.010 χ^2/NDF : 24.9/44

All: -10.303+/-28.739 χ^2/NDF : 45.5/91

- sign -22.221+/-39.400 χ^2/NDF : 20.4/46

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 204.944 $\pm$ 0.059 χ^2 /NDF: 3995371.9/19

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF: 1848437.4/24

Right Out: 193.284 $\pm$ 0.053 χ^2 /NDF: 5053408.9/23

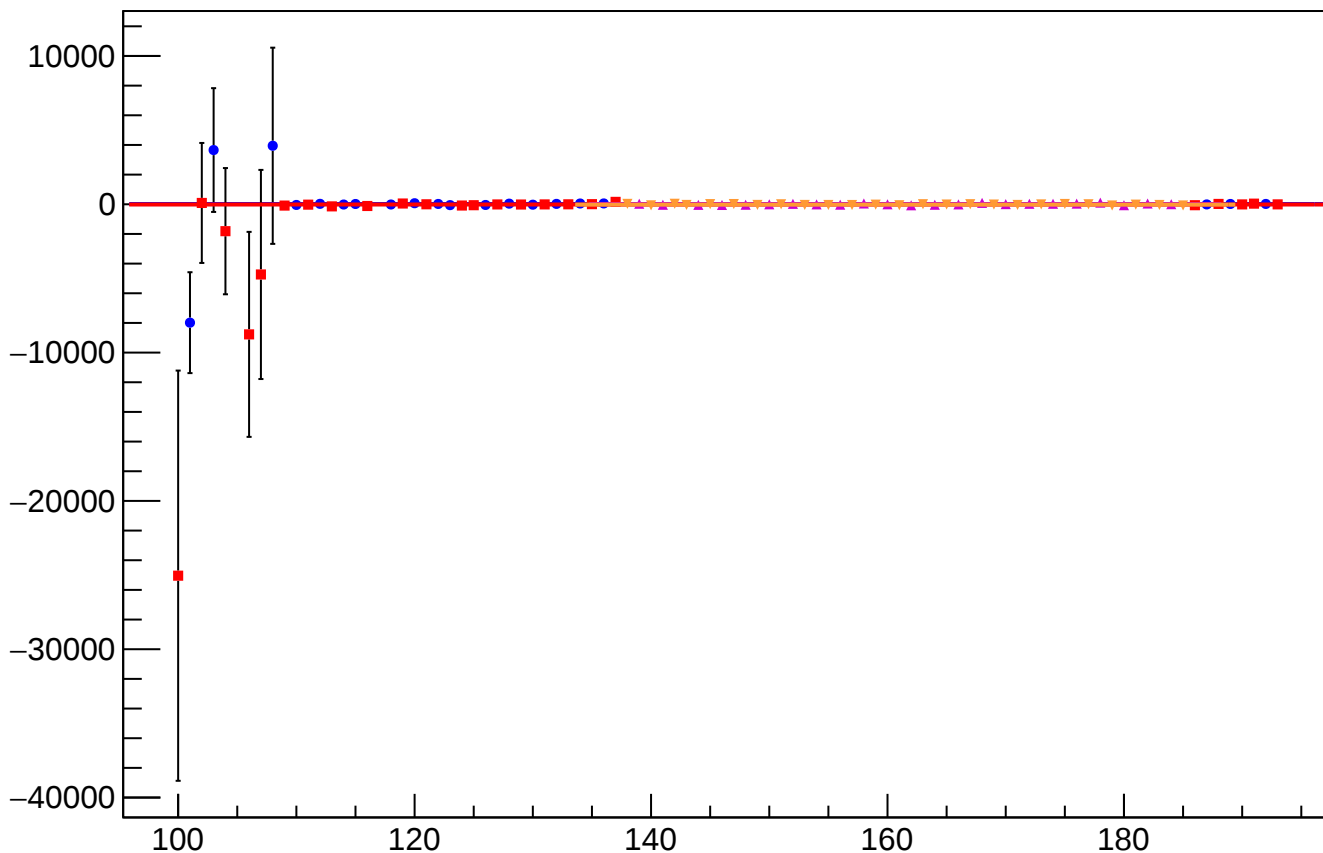
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF: 1371411.2/22

+ sign 202.152 $\pm$ 0.030 χ^2 /NDF: 5846828.1/44

All: 194.500 $\pm$ 0.020 χ^2 /NDF: 12411607.5/92

- sign 187.768 $\pm$ 0.028 χ^2 /NDF: 6440033.5/46

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 15.576+/-11.845 χ^2/NDF : 15.0/19

Left Out: -23.320+/-7.352 χ^2/NDF :18.3/24

Right Out: -14.351+/-11.126 χ^2/NDF : 30.9/23

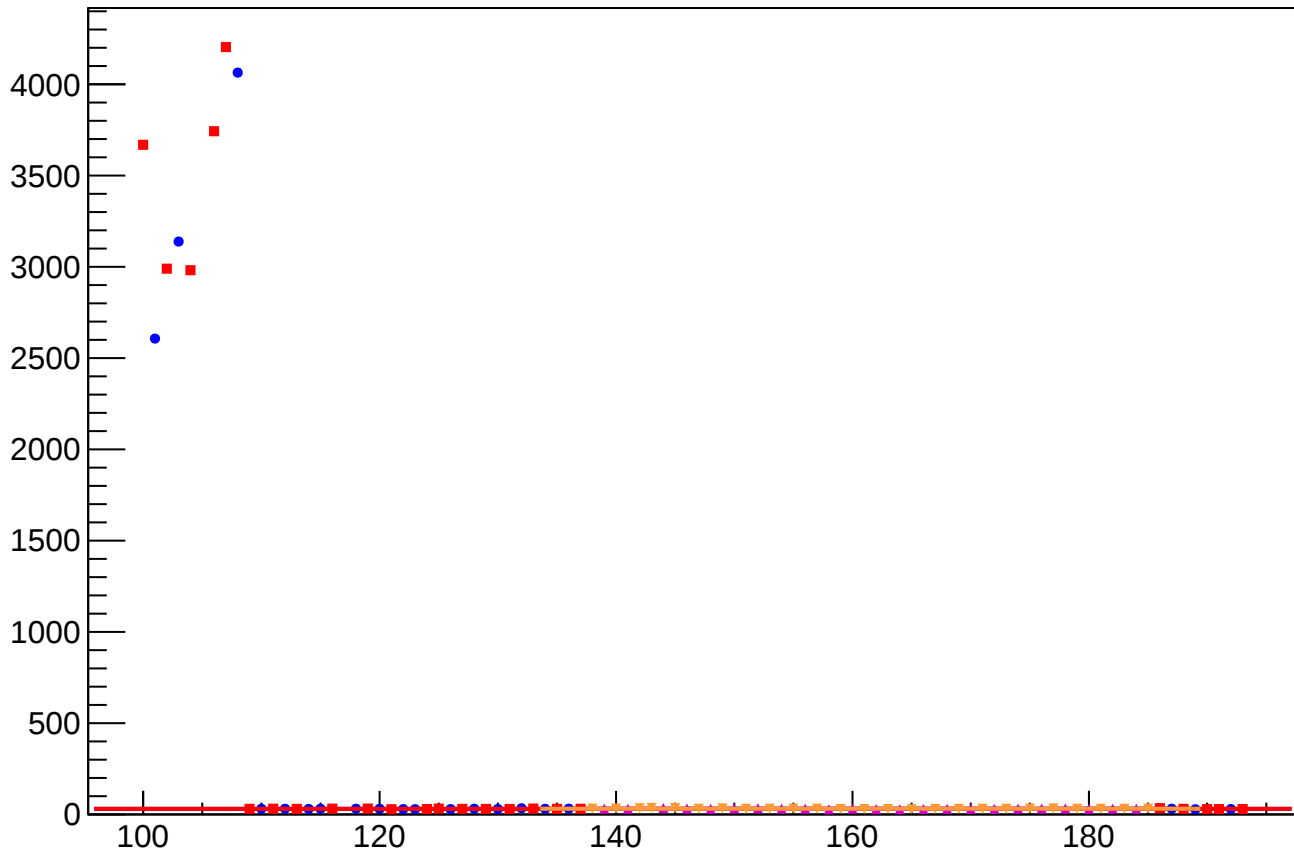
Left In: 6.386+/-7.577 χ^2/NDF :38.7/22

+ sign -12.503+/-6.246 χ^2/NDF : 41.1/44

All: -6.359+/-4.423 χ^2/NDF : 115.0/91

- sign -0.184+/-6.263 χ^2/NDF : 72.0/46

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.734 $\pm$ 0.008 χ^2 /NDF: 3023840.0/19

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.834 $\pm$ 0.008 χ^2 /NDF: 3472797.9/23

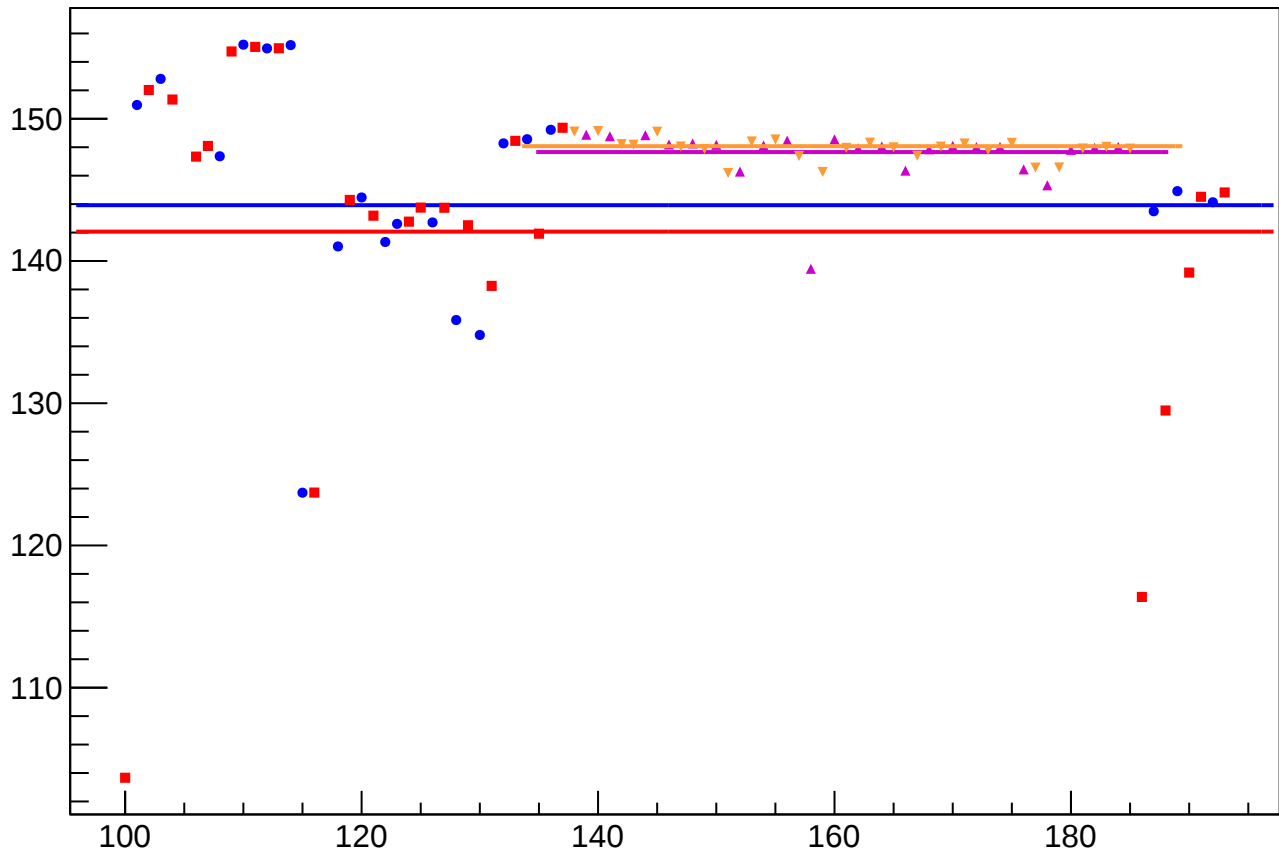
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.279 $\pm$ 0.004 χ^2 /NDF: 3111631.2/44

All: 31.276 $\pm$ 0.003 χ^2 /NDF: 6676761.7/91

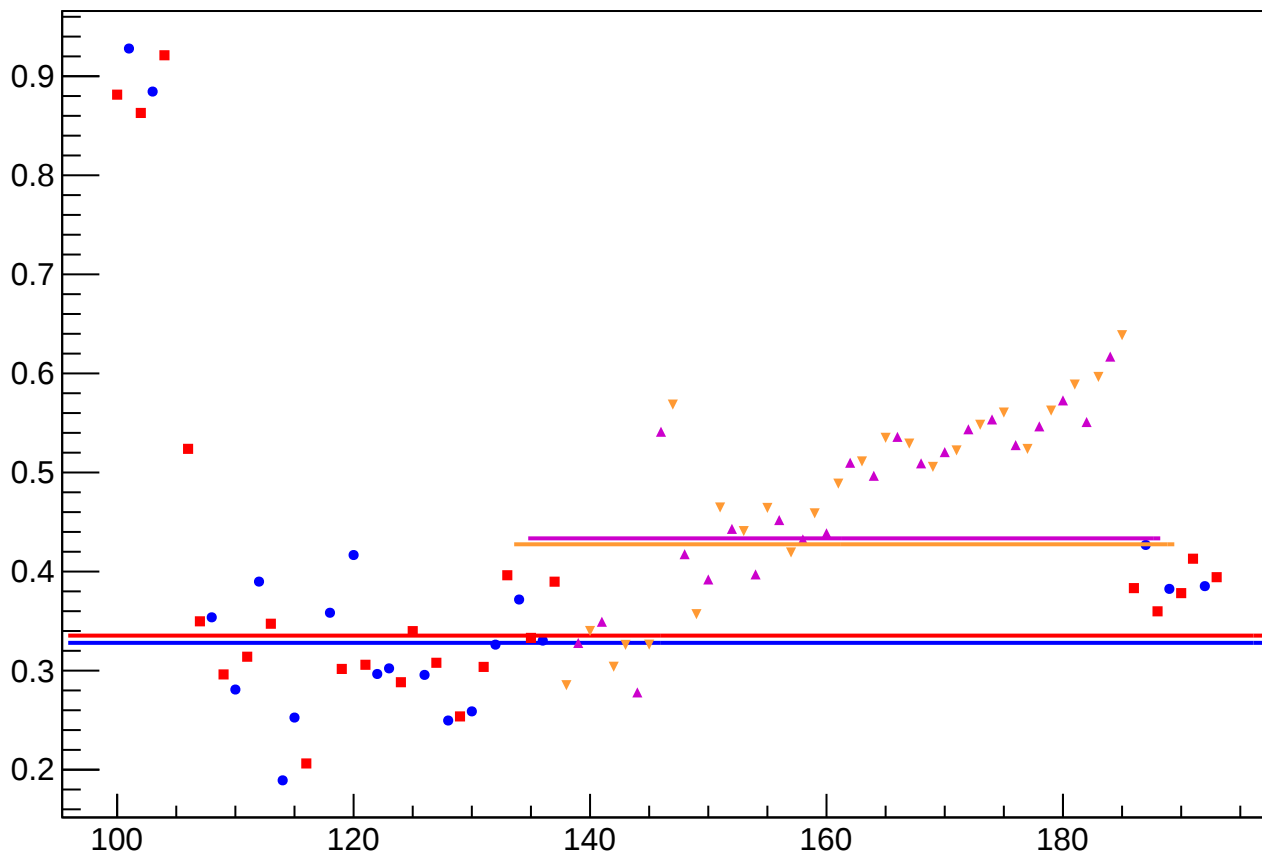
- sign 31.272 $\pm$ 0.004 χ^2 /NDF: 3565129.5/46

yield_bcm_an_ds_mean vs Slug



Right In: 143.925+/-0.000	χ^2/NDF : 3451946133.2/19	+ sign 146.362+/-0.000	χ^2/NDF : 4175421719.4/44
Left Out: 148.074+/-0.000	χ^2/NDF : 65673678.9/24	All: 145.714+/-0.000	χ^2/NDF : 13152901472.
Right Out: 142.065+/-0.000	χ^2/NDF : 7259741524.0/23	- sign 145.074+/-0.000	χ^2/NDF : 8845985981.0/46
Left In: 147.660+/-0.000	χ^2/NDF : 343892338.9/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.328 ± 0.000 $\chi^2/\text{NDF}: 1357928.1/19$

Left Out: 0.428 ± 0.000 $\chi^2/\text{NDF}: 1892802.8/24$

Right Out: 0.335 ± 0.000 $\chi^2/\text{NDF}: 1312907.6/23$

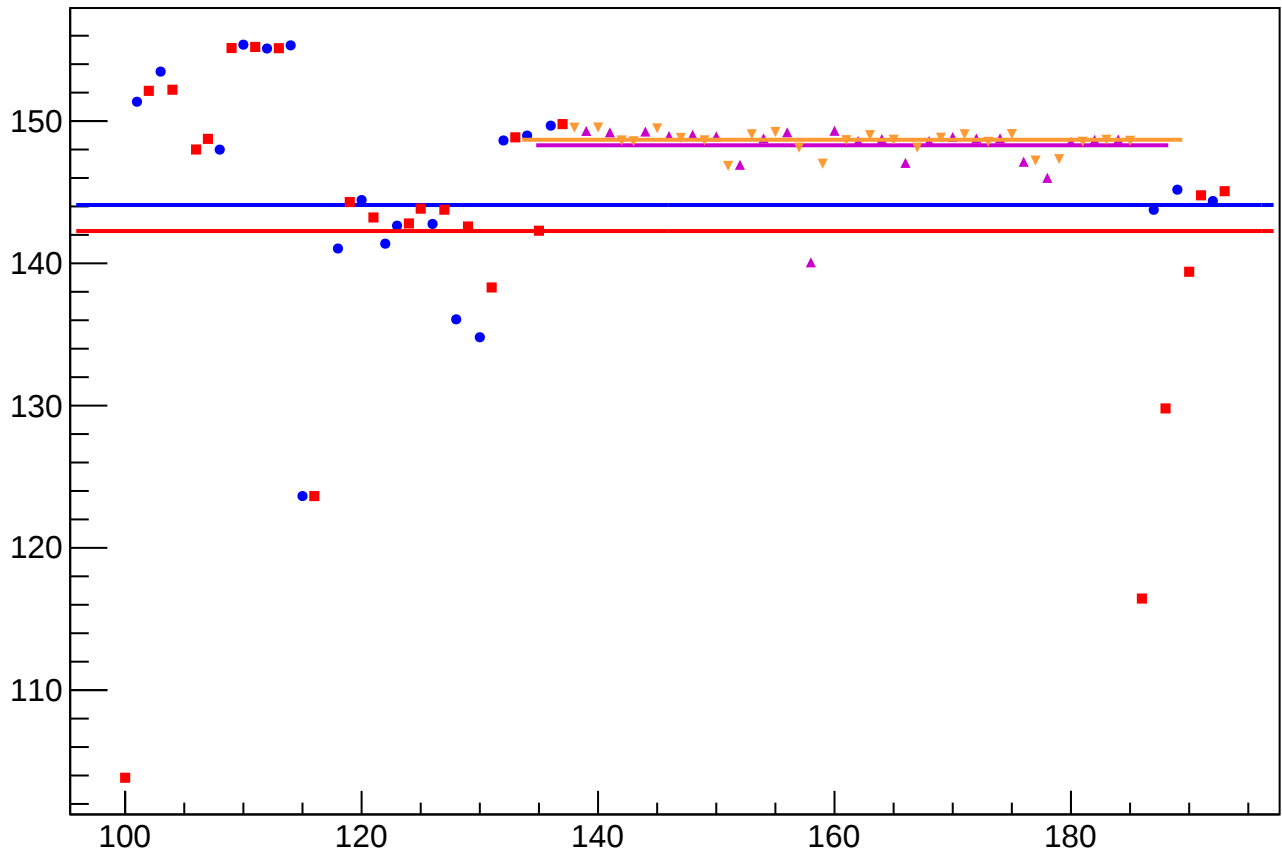
Left In: 0.434 ± 0.000 $\chi^2/\text{NDF}: 1479367.0/22$

+ sign 0.386 ± 0.000 $\chi^2/\text{NDF}: 4006992.2/44$

All: 0.387 ± 0.000 $\chi^2/\text{NDF}: 7564441.0/91$

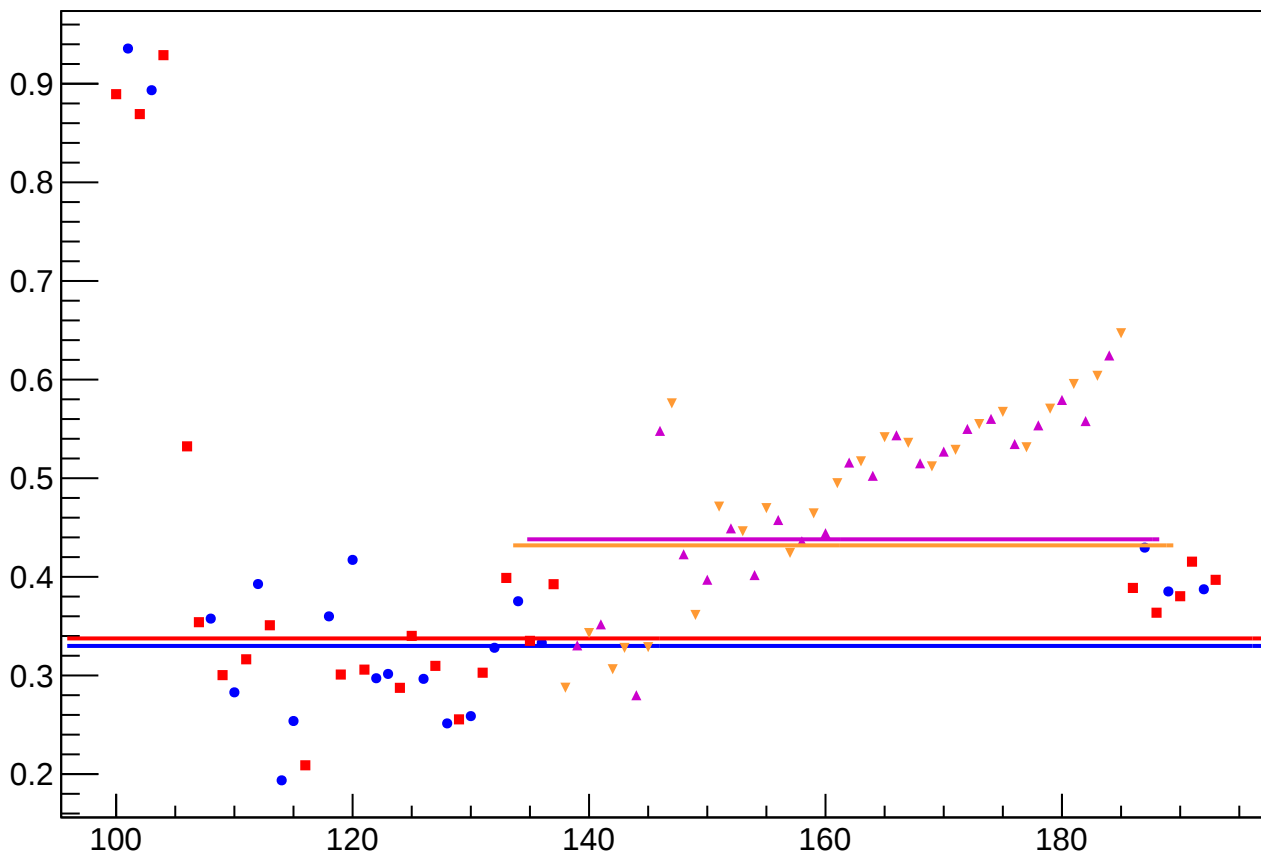
- sign 0.388 ± 0.000 $\chi^2/\text{NDF}: 3557009.6/46$

yield_bcm_an_ds3_mean vs Slug



Right In: 144.101 $\pm$ 0.000	χ^2 /NDF: 3496638734.2/19	+ sign 146.784 $\pm$ 0.000	χ^2 /NDF: 4340104280.5/44
Left Out: 148.687 $\pm$ 0.000	χ^2 /NDF: 52285197.5/24	All: 146.138 $\pm$ 0.000	χ^2 /NDF: 13421803135.
Right Out: 142.271 $\pm$ 0.000	χ^2 /NDF: 7203771053.1/23	- sign 145.500 $\pm$ 0.000	χ^2 /NDF: 8953197427.4/46
Left In: 148.298 $\pm$ 0.000	χ^2 /NDF: 332527463.6/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1359691.0/19

Left Out: 0.432 ± 0.000 χ^2/NDF : 1924979.0/24

Right Out: 0.338 ± 0.000 χ^2/NDF : 1317772.7/23

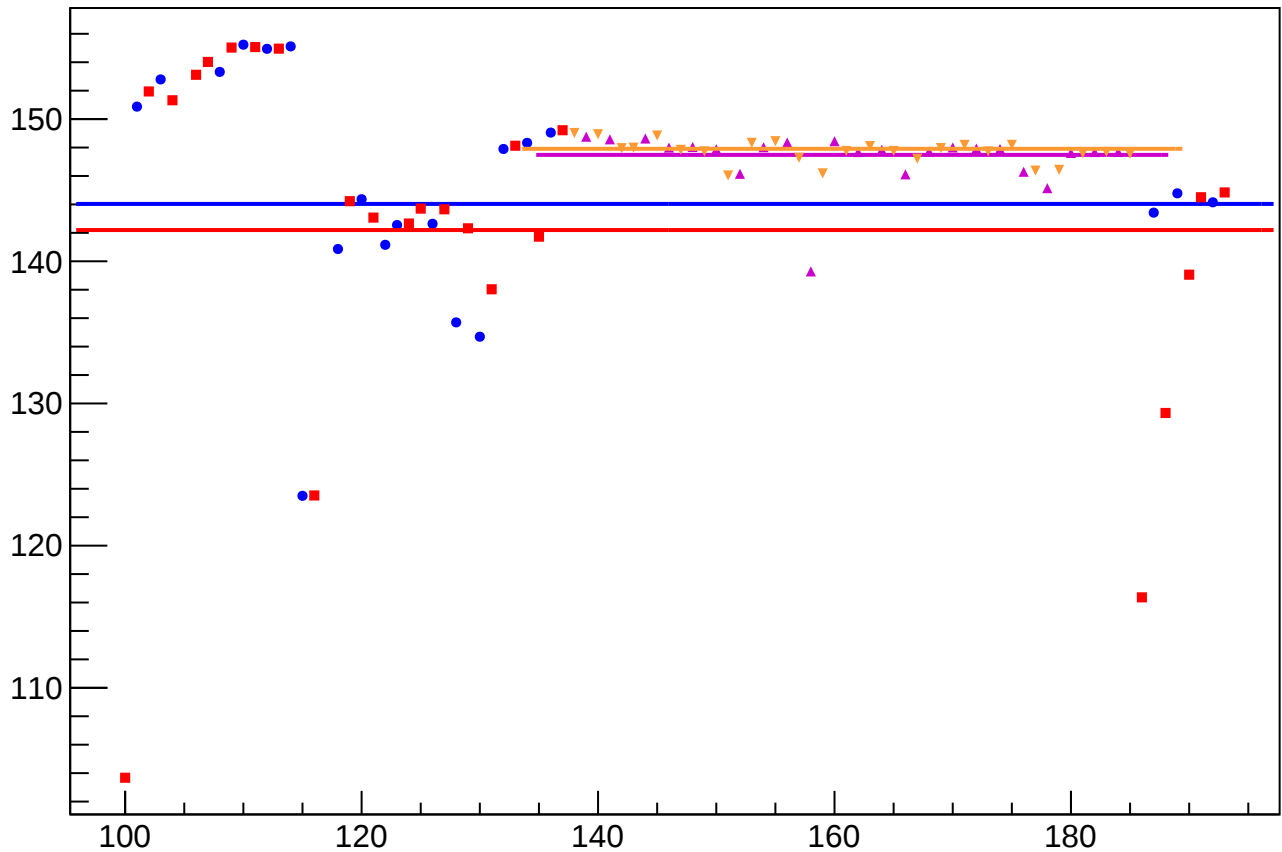
Left In: 0.438 ± 0.000 χ^2/NDF : 1504635.6/22

+ sign 0.390 ± 0.000 χ^2/NDF : 4066954.5/44

All: 0.391 ± 0.000 χ^2/NDF : 7677762.5/91

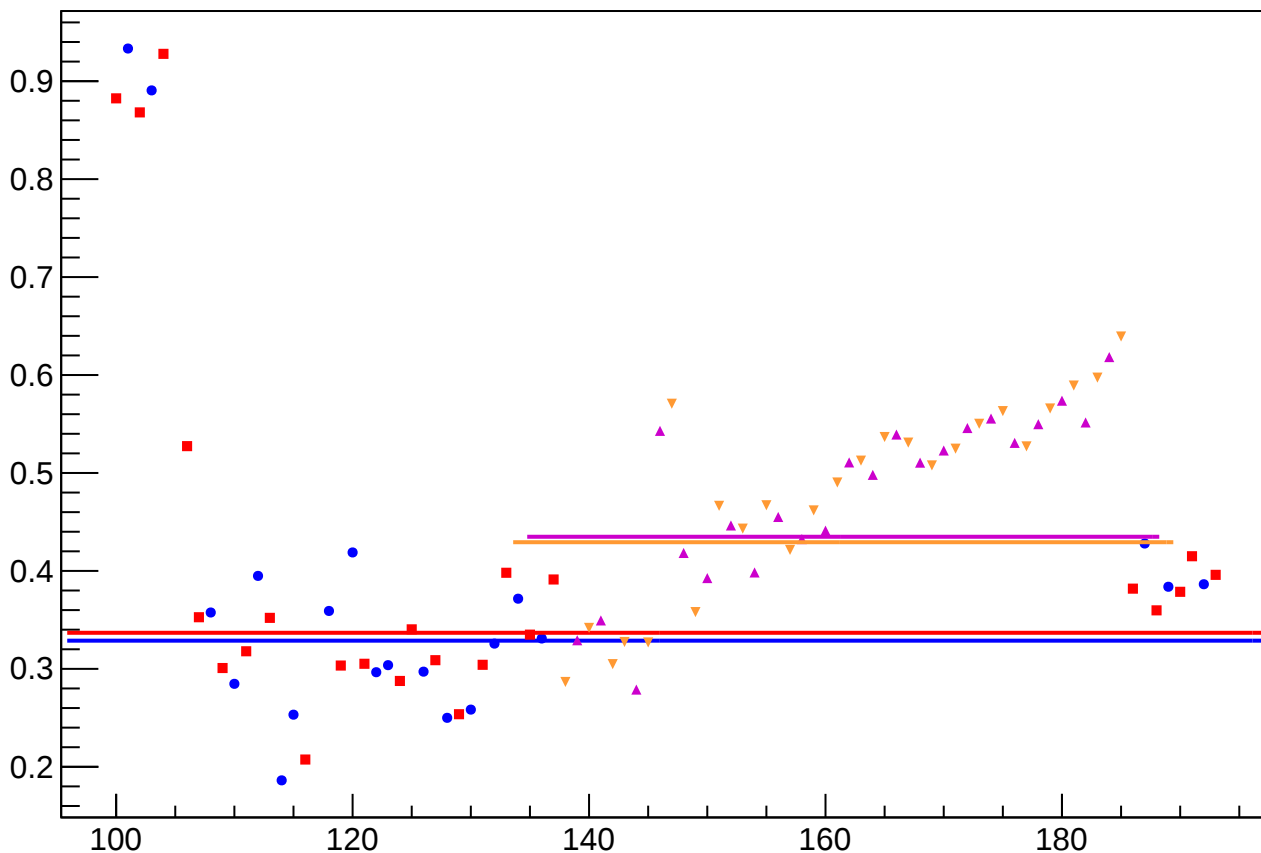
- sign 0.391 ± 0.000 χ^2/NDF : 3610303.2/46

yield_bcm_an_us_mean vs Slug



Right In: 144.034+/-0.000	χ^2/NDF : 3663911746.4/19	+ sign 146.310+/-0.000	χ^2/NDF : 4298911704.6/44
Left Out: 147.912+/-0.000	χ^2/NDF : 64463426.1/24	All: 145.673+/-0.000	χ^2/NDF : 13521403399.
Right Out: 142.197+/-0.000	χ^2/NDF : 7652932760.7/23	- sign 145.043+/-0.000	χ^2/NDF : 9096124699.5/46
Left In: 147.483+/-0.000	χ^2/NDF : 342674720.4/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1373310.0/19

Left Out: 0.429 ± 0.000 χ^2/NDF : 1891709.3/24

Right Out: 0.337 ± 0.000 χ^2/NDF : 1314188.4/23

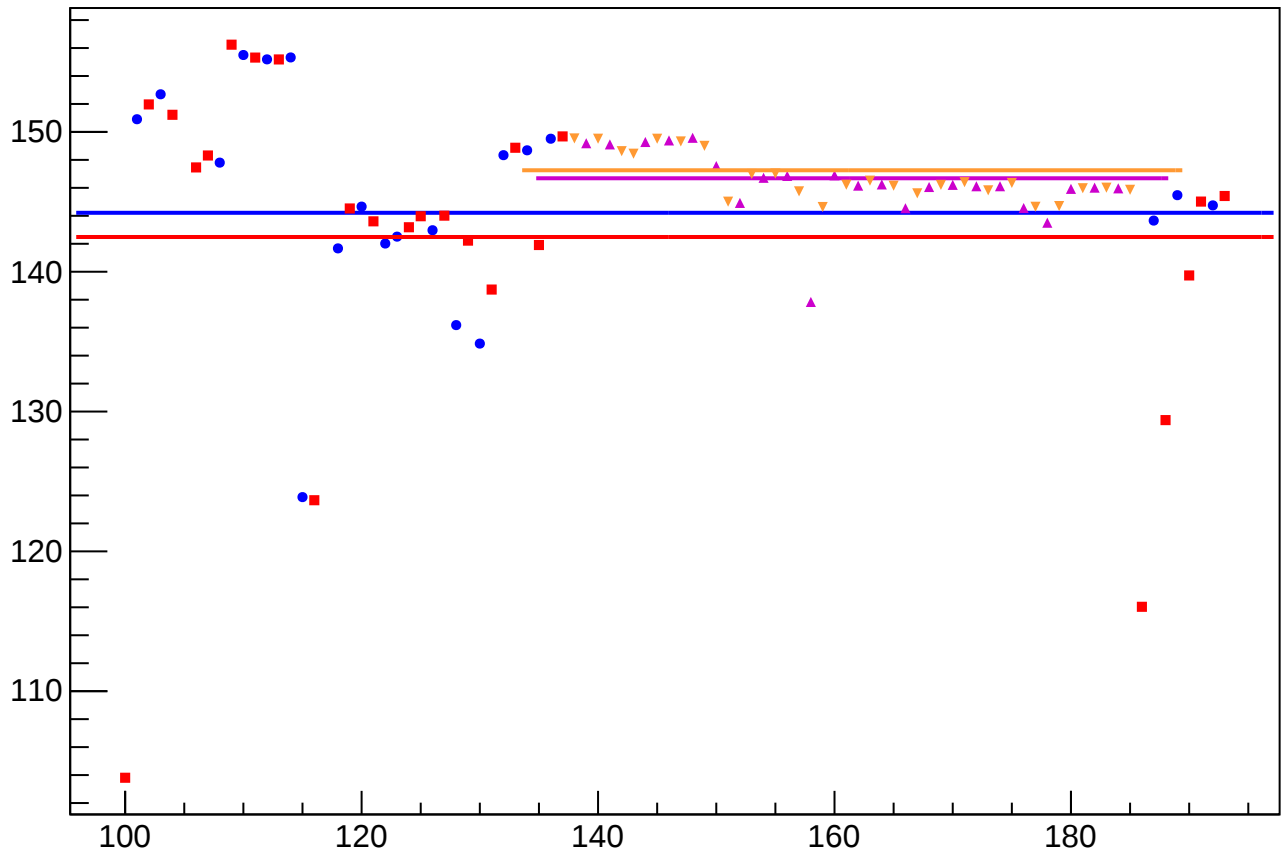
Left In: 0.435 ± 0.000 χ^2/NDF : 1485915.1/22

+ sign 0.388 ± 0.000 χ^2/NDF : 4031695.2/44

All: 0.389 ± 0.000 χ^2/NDF : 7589386.1/91

- sign 0.390 ± 0.000 χ^2/NDF : 3557156.8/46

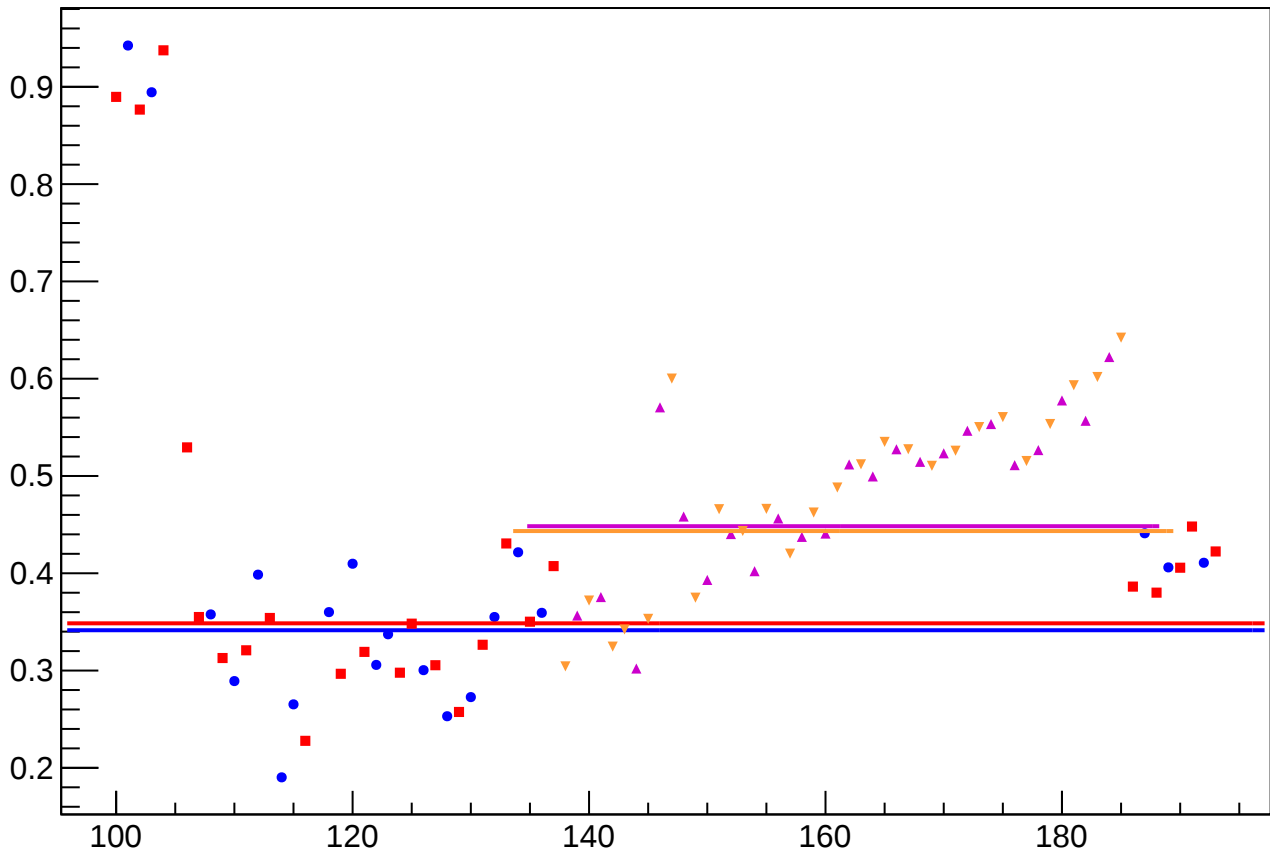
yield_bcm_dg_us_mean vs Slug



Right In: 144.216 ± 0.000 χ^2/NDF : 3166865632.1/19
 Left Out: 147.257 ± 0.000 χ^2/NDF : 261906278.3/24
 Right Out: 142.485 ± 0.000 χ^2/NDF : 6957543163.0/23
 Left In: 146.685 ± 0.000 χ^2/NDF : 554922388.0/22

+ sign 146.019 ± 0.000 χ^2/NDF : 3756089705.0/44
 All: 145.389 ± 0.000 χ^2/NDF : 12036638735.
 - sign 144.769 ± 0.000 χ^2/NDF : 8164906939.6/46

yield_bcm_dg_us_rms vs Slug



Right In: 0.341 $\pm$ 0.000 χ^2 /NDF: 1371714.7/19

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.349 $\pm$ 0.000 χ^2 /NDF: 1302844.5/23

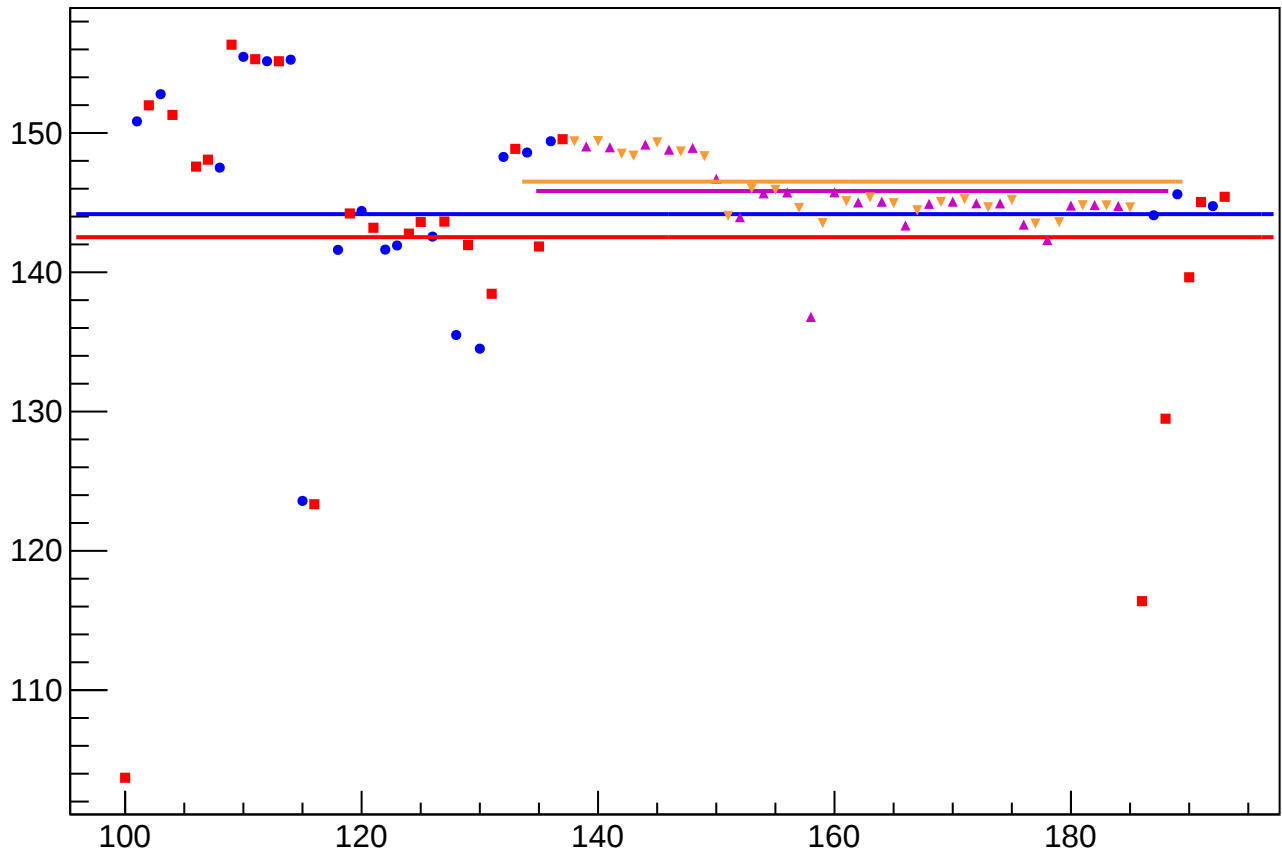
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.402 $\pm$ 0.000 χ^2 /NDF: 3587642.7/44

All: 0.402 $\pm$ 0.000 χ^2 /NDF: 6748267.1/91

- sign 0.403 $\pm$ 0.000 χ^2 /NDF: 3160492.4/46

yield_bcm_dg_ds_mean vs Slug



Right In: 144.175 $\pm$ 0.000 χ^2 /NDF: 3287176167.2/19

Left Out: 146.508 $\pm$ 0.000 χ^2 /NDF: 401248837.9/24

Right Out: 142.521 $\pm$ 0.000 χ^2 /NDF: 6937209629.7/23

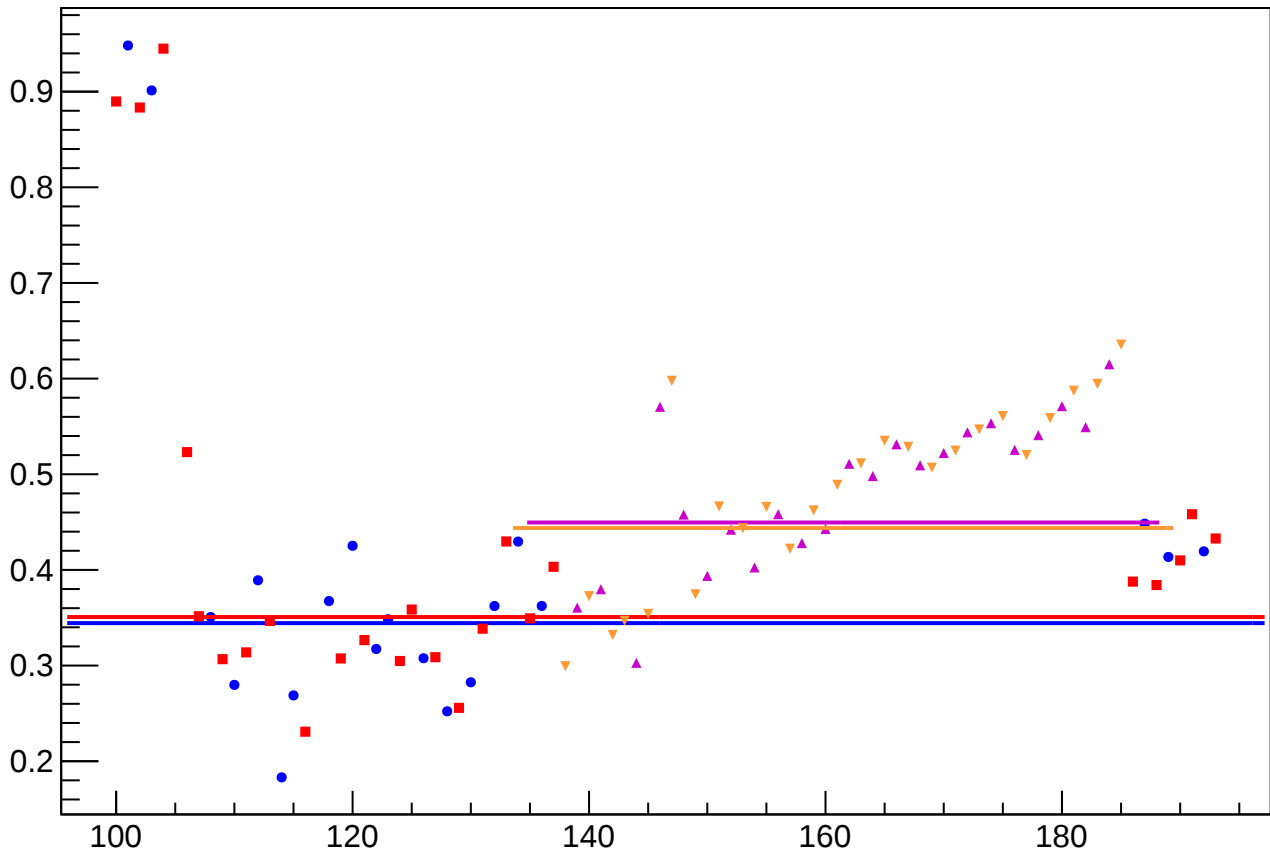
Left In: 145.834 $\pm$ 0.000 χ^2 /NDF: 690172810.0/22

+ sign 145.569 $\pm$ 0.000 χ^2 /NDF: 3878484117.0/44

All: 144.945 $\pm$ 0.000 χ^2 /NDF: 12019661306.

- sign 144.331 $\pm$ 0.000 χ^2 /NDF: 8028975262.9/46

yield_bcm_dg_ds_rms vs Slug



Right In: 0.344 ± 0.000 χ^2/NDF : 1399154.1/19

Left Out: 0.444 ± 0.000 χ^2/NDF : 1460383.7/24

Right Out: 0.351 ± 0.000 χ^2/NDF : 1305645.0/23

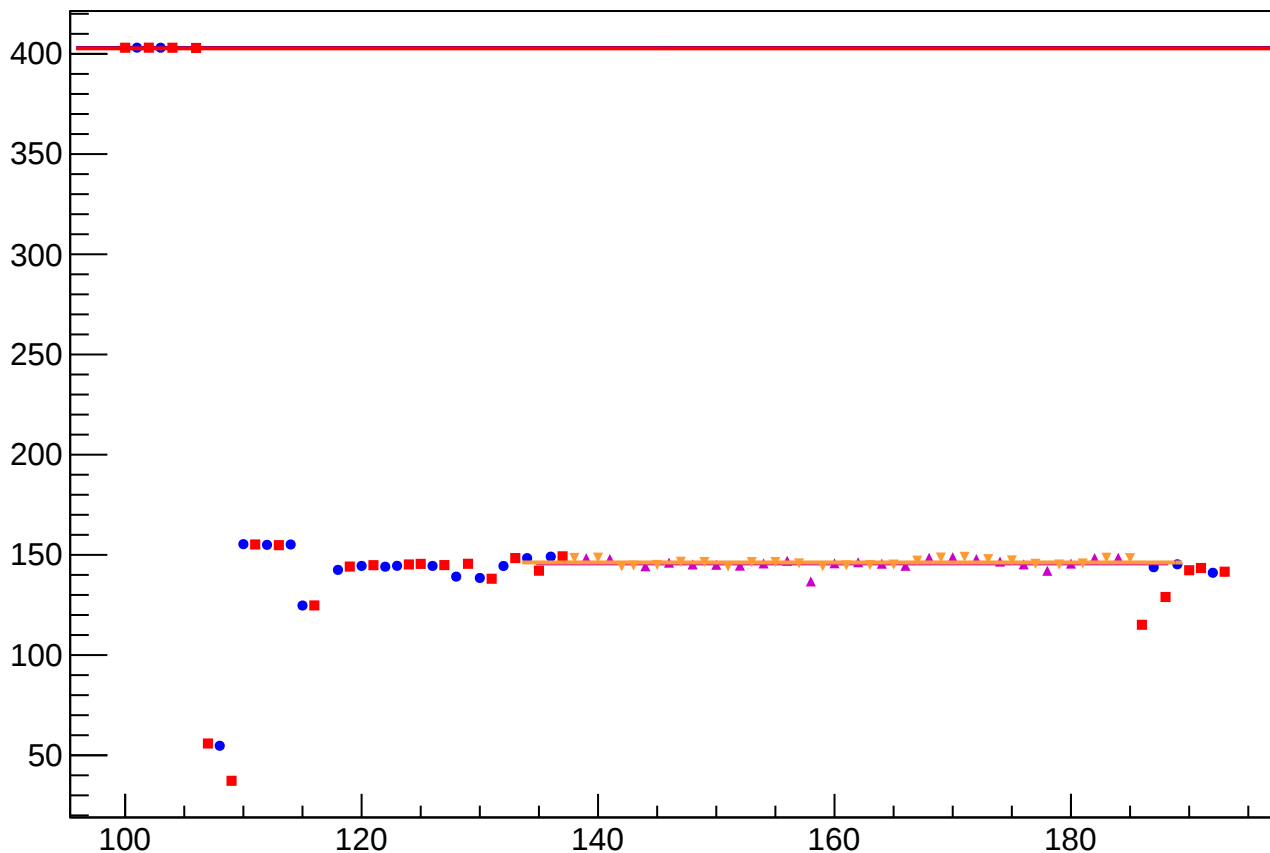
Left In: 0.450 ± 0.000 χ^2/NDF : 1092776.5/22

+ sign 0.404 ± 0.000 χ^2/NDF : 3549603.2/44

All: 0.404 ± 0.000 χ^2/NDF : 6662805.1/91

- sign 0.405 ± 0.000 χ^2/NDF : 3113083.2/46

yield_cav4bQ_mean vs Slug



Right In: 402.937+/-0.000 χ^2/NDF : 1258827959158.7/19

Left Out: 146.216+/-0.000 χ^2/NDF : 86042286.3/24

Right Out: 402.762+/-0.000 χ^2/NDF : 3452381359443.7/23

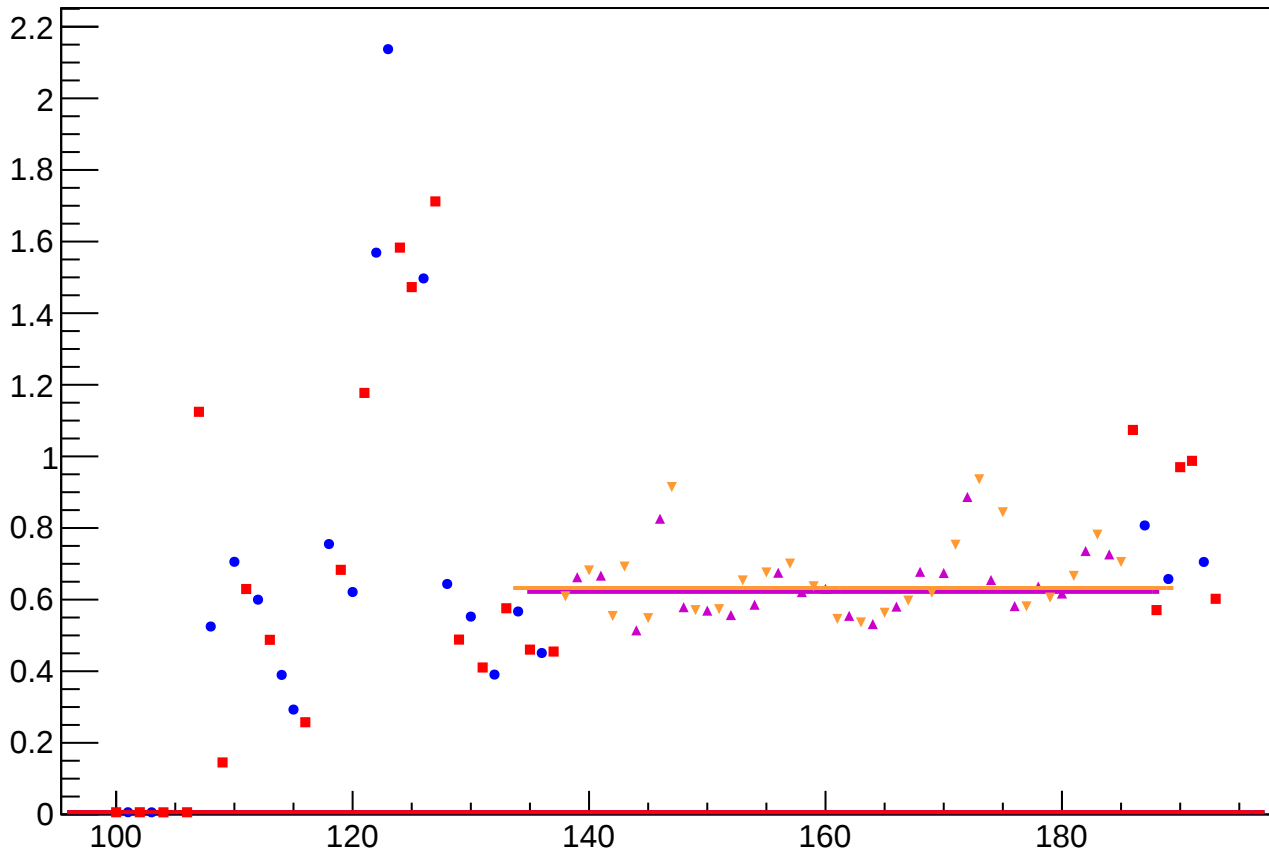
Left In: 145.755+/-0.000 χ^2/NDF : 206171532.0/22

+ sign 402.642+/-0.000 χ^2/NDF : 3619754368198.7

All: 402.569+/-0.000 χ^2/NDF : 940148206603

- sign 402.505+/-0.000 χ^2/NDF : 5781416082014.7

yield_cav4bQ_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 11399425.5/19

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 13385376.7/23

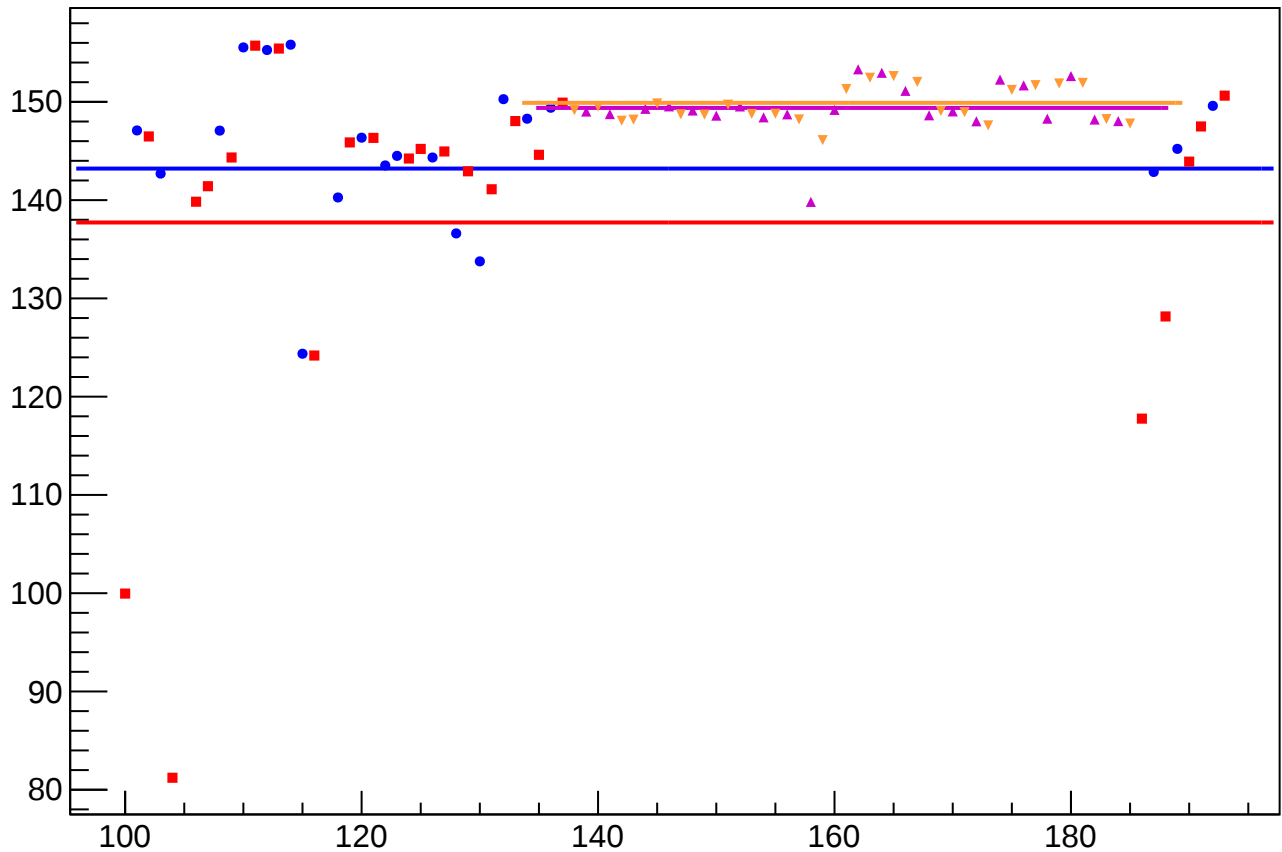
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 40089647.1/44

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 80561921.3/91

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 40472056.6/46

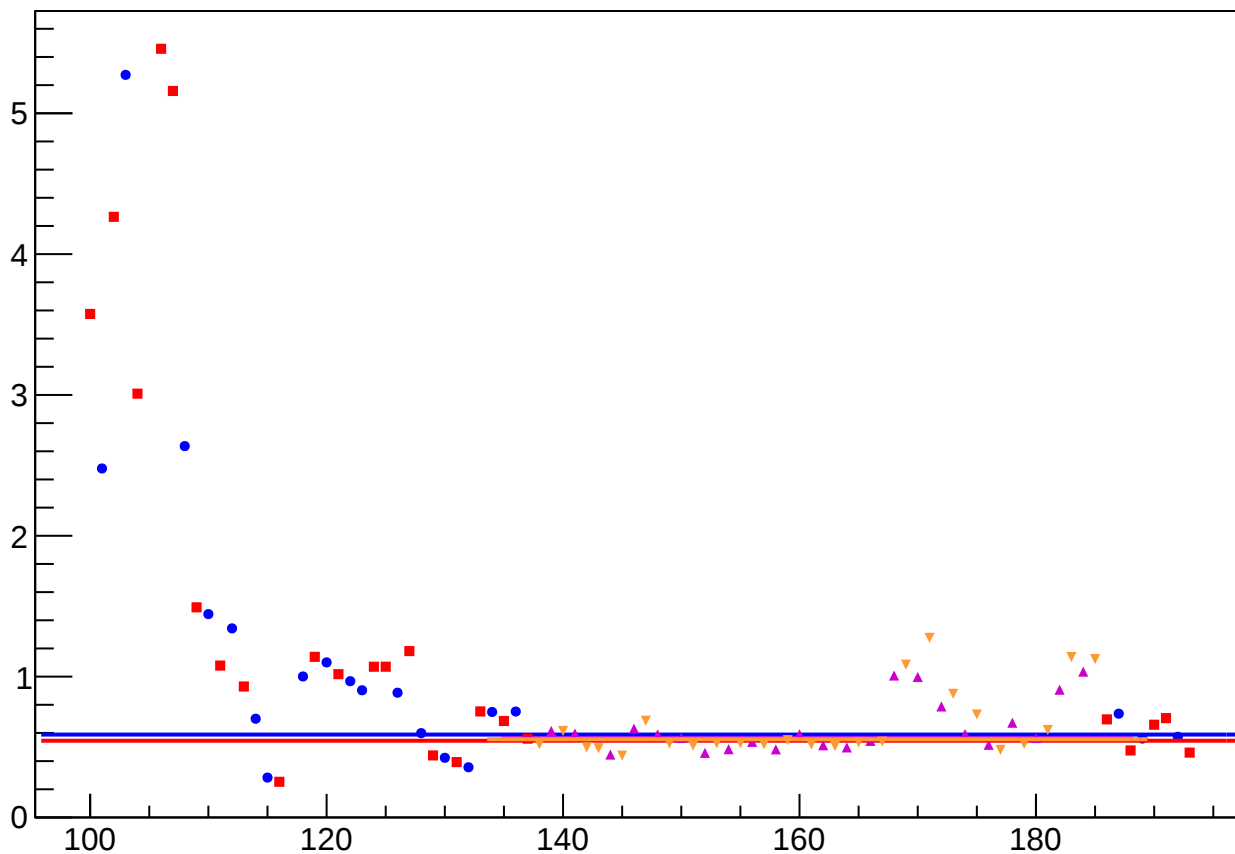
yield_cav4cQ_mean vs Slug



Right In: 143.211+/-0.000 χ^2/NDF : 1094348803.5/19
 Left Out: 149.900+/-0.000 χ^2/NDF : 162845622.6/24
 Right Out: 137.724+/-0.000 χ^2/NDF : 2432649884.9/23
 Left In: 149.382+/-0.000 χ^2/NDF : 434657827.5/22

+ sign 148.484+/-0.000 χ^2/NDF : 1737985846.6/44
 All: 147.289+/-0.000 χ^2/NDF : 6585964486.5
 - sign 146.118+/-0.000 χ^2/NDF : 4666103308.2/46

yield_cav4cQ_rms vs Slug



Right In: 0.588 ± 0.000 χ^2/NDF : 3532105.5/19

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773688.1/24

Right Out: 0.545 ± 0.000 χ^2/NDF : 4795583.3/23

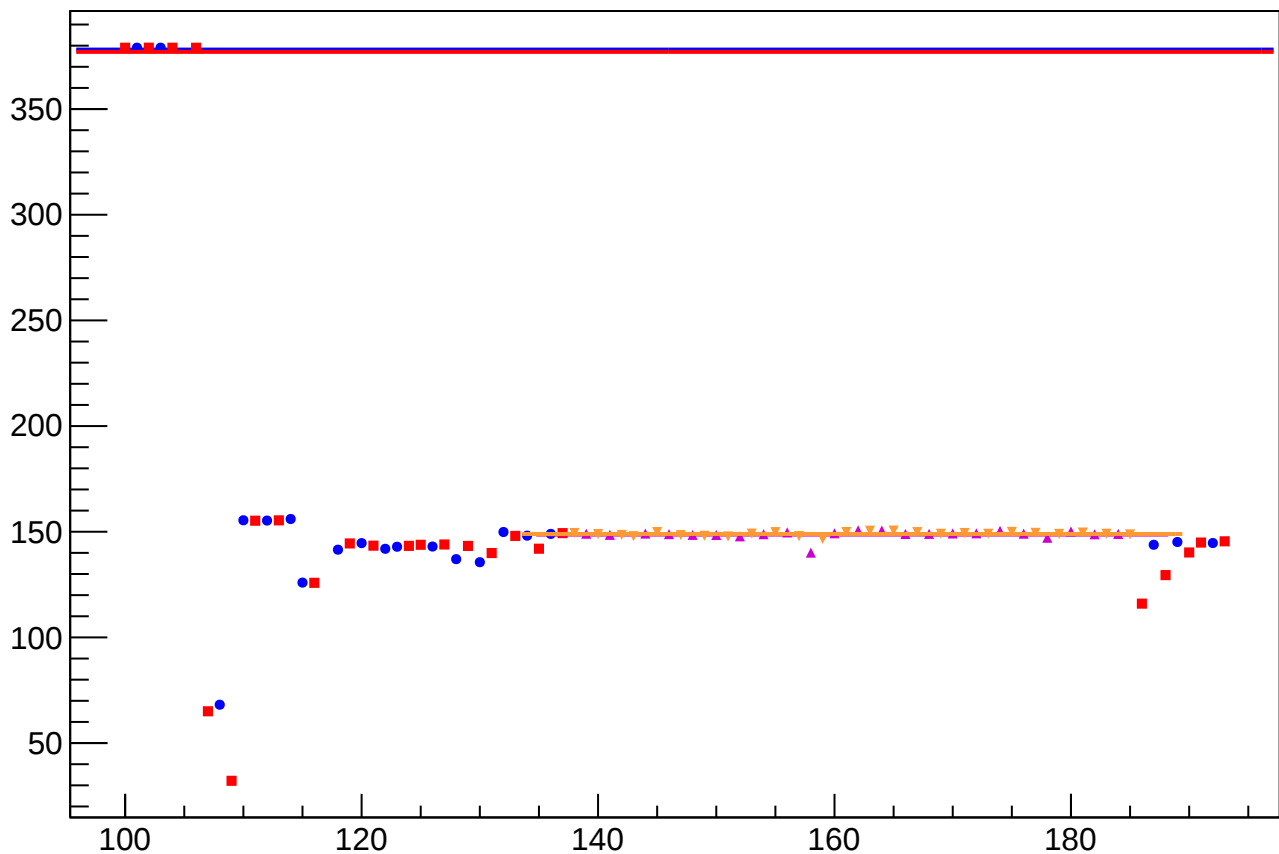
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.562 ± 0.000 χ^2/NDF : 5329207.9/44

All: 0.560 ± 0.000 χ^2/NDF : 11439828.7/91

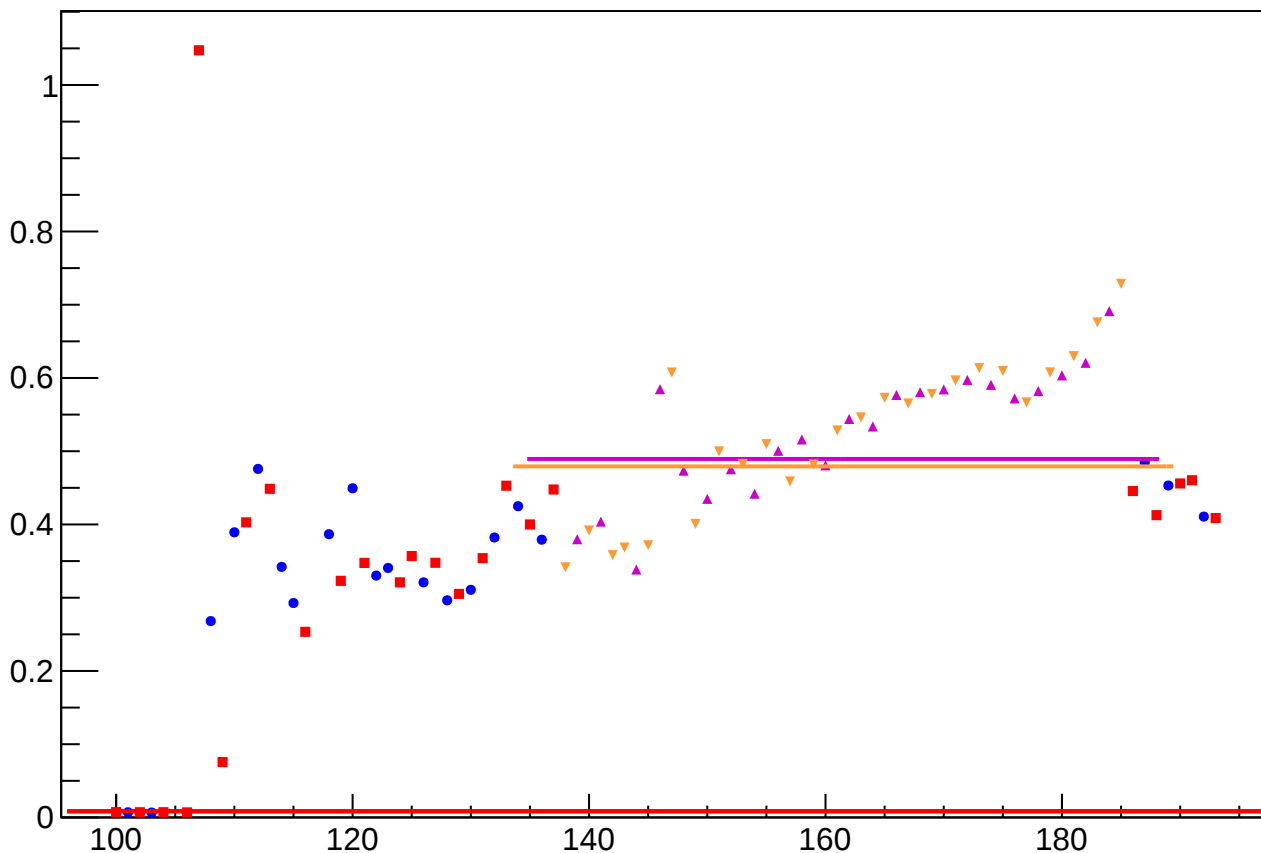
- sign 0.557 ± 0.000 χ^2/NDF : 6108701.9/46

yield_cav4dQ_mean vs Slug



Right In: 378.147+/-0.000	χ^2/NDF : 2928619715377.6/19	+ sign 376.869+/-0.000	χ^2/NDF : 6831221212148.3
Left Out: 148.944+/-0.000	χ^2/NDF : 63976941.3/24	All: 376.431+/-0.000	χ^2/NDF : 194732671543
Right Out: 377.071+/-0.000	χ^2/NDF : 9085012692960.0/23	- sign 376.047+/-0.000	χ^2/NDF : 12637222666315.2
Left In: 148.672+/-0.000	χ^2/NDF : 252846428.3/22		

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 12668200.5/19

Left Out: 0.479+/-0.000 χ^2/NDF :1516566.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 14279903.5/23

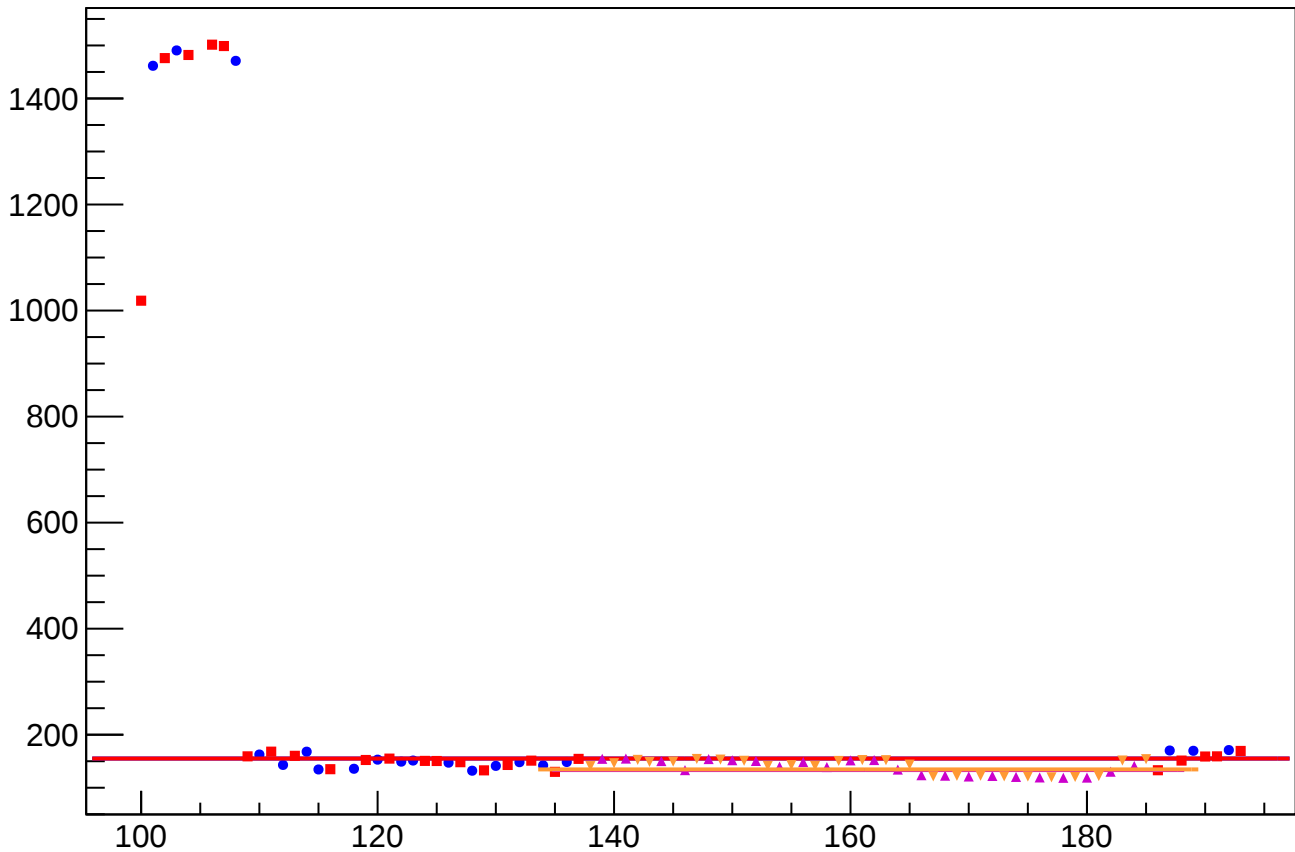
Left In: 0.489+/-0.000 χ^2/NDF :1076134.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 47134526.3/44

All: 0.011+/-0.000 χ^2/NDF : 93991527.9/91

- sign 0.011+/-0.000 χ^2/NDF : 46855521.7/46

yield_bcm0l02_mean vs Slug



Right In: 155.084+/-0.000 χ^2/NDF : 25398585810.8/19

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 155.050+/-0.000 χ^2/NDF : 34349361785.3/23

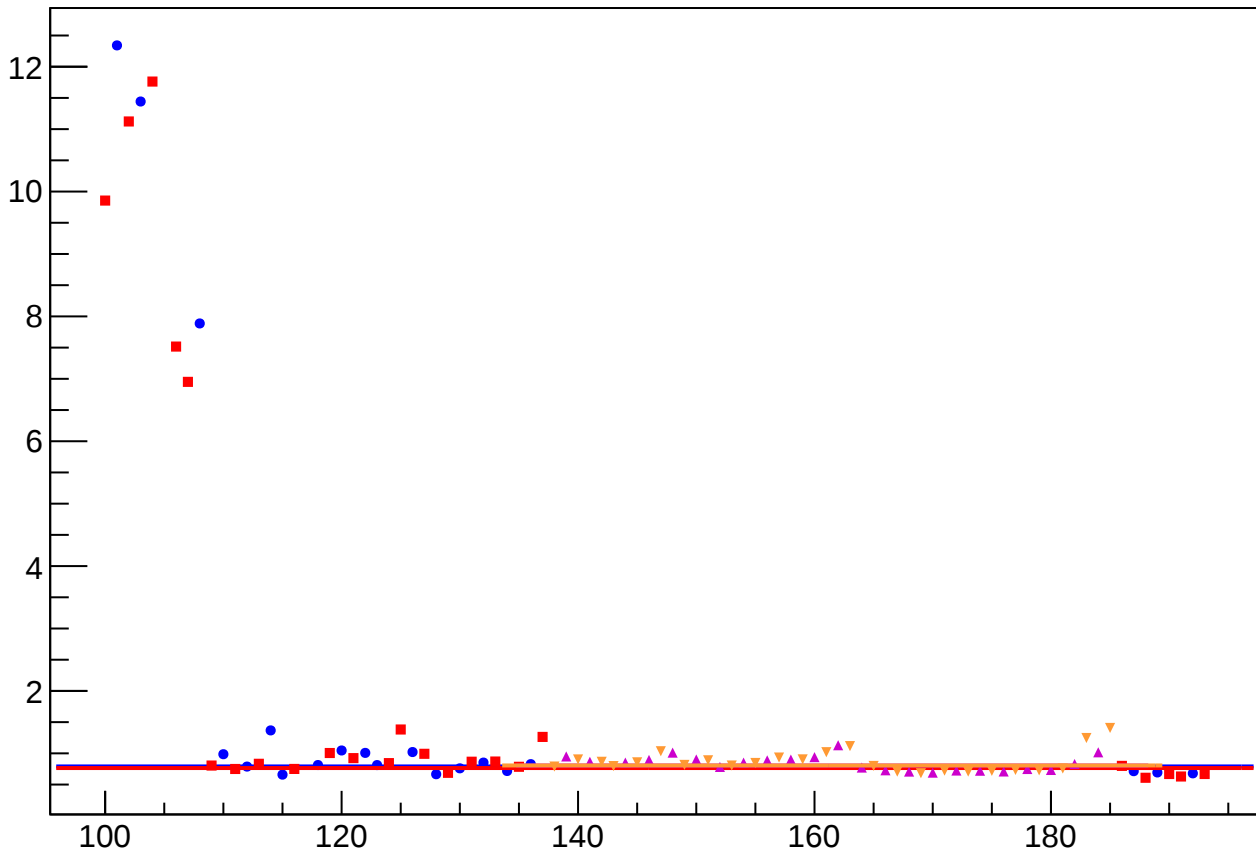
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 139.820+/-0.000 χ^2/NDF : 32339241289.0/44

All: 140.014+/-0.000 χ^2/NDF : 74383514347.0

- sign 140.201+/-0.000 χ^2/NDF : 42041912789.8/46

yield_bcm0l02_rms vs Slug



Right In: 0.790 $\pm$ 0.000 χ^2 /NDF: 2753171.5/19

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF: 690578.5/24

Right Out: 0.765 $\pm$ 0.000 χ^2 /NDF: 3121001.7/23

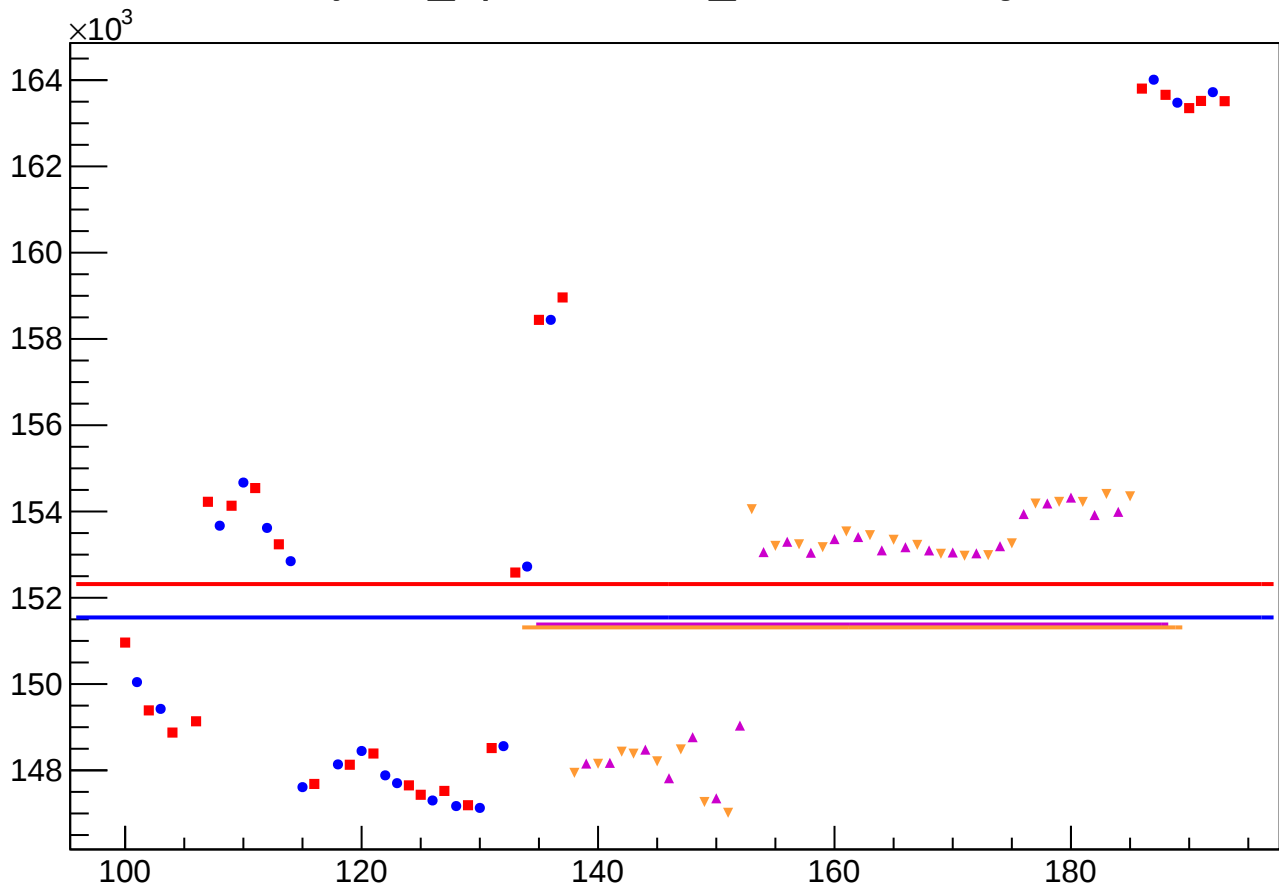
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF: 480510.8/22

+ sign 0.802 $\pm$ 0.000 χ^2 /NDF: 3446833.7/44

All: 0.797 $\pm$ 0.000 χ^2 /NDF: 7074729.7/91

- sign 0.792 $\pm$ 0.000 χ^2 /NDF: 3624672.6/46

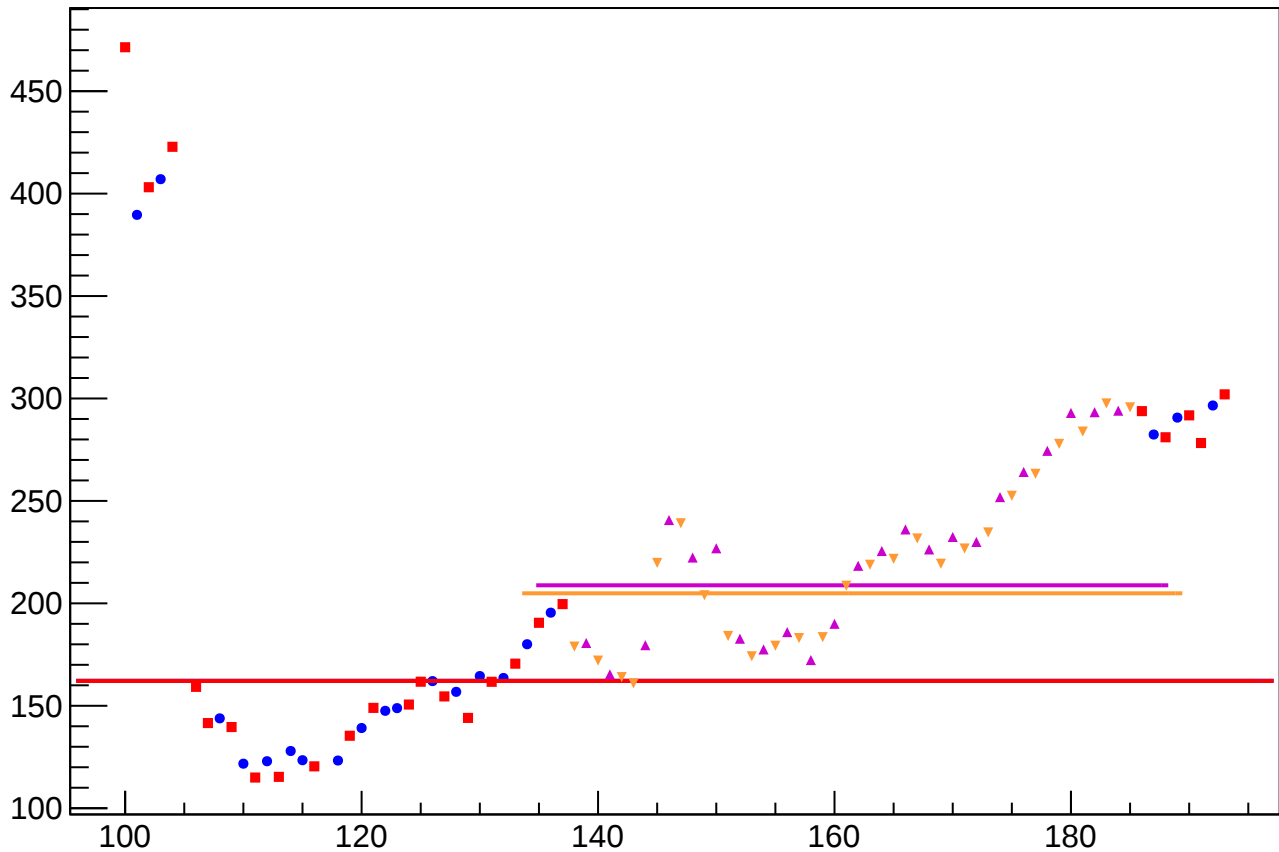
yield_bpm0i01WS_mean vs Slug



Right In: 151543.948 ± 0.061 $\chi^2/\text{NDF}: 6108194370.9/19$
 Left Out: 151313.284 ± 0.049 $\chi^2/\text{NDF}: 3153768134.8/24$
 Right Out: 152317.486 ± 0.057 $\chi^2/\text{NDF}: 7614400670.9/23$
 Left In: 151380.236 ± 0.051 $\chi^2/\text{NDF}: 2363895785.3/22$

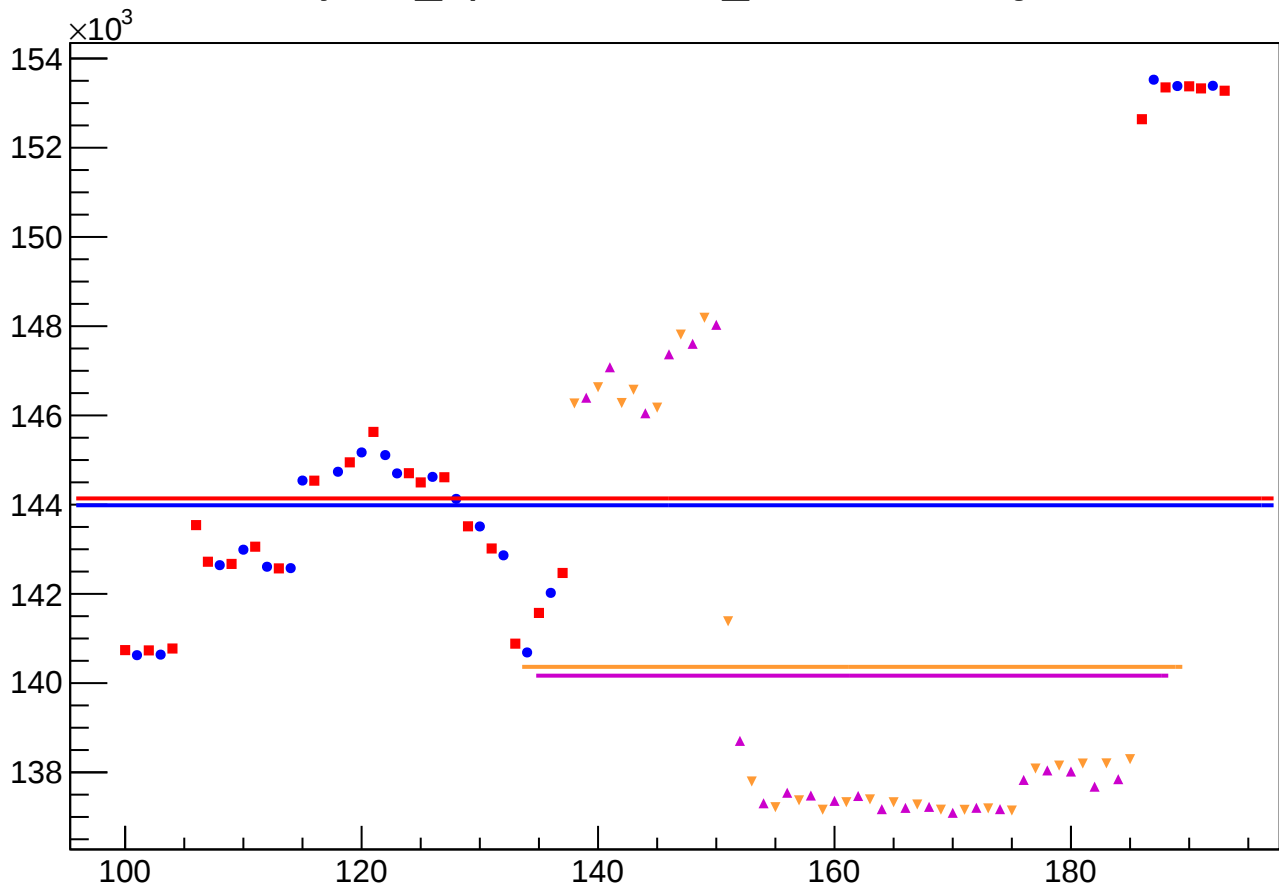
+ sign 151403.095 ± 0.038 $\chi^2/\text{NDF}: 9270702985.0$
 All: 151602.376 ± 0.027 $\chi^2/\text{NDF}: 19454358$
 - sign 151801.144 ± 0.038 $\chi^2/\text{NDF}: 10128847529.5$

yield_bpm0i01WS_rms vs Slug



Right In: 162.210+/-0.043	χ^2/NDF : 1810118.5/19	+ sign 188.278+/-0.027	χ^2/NDF : 3465259.2/44
Left Out: 204.900+/-0.034	χ^2/NDF : 1056380.8/24	All: 188.065+/-0.019	χ^2/NDF : 7507633.1/91
Right Out: 162.141+/-0.040	χ^2/NDF : 2293678.0/23	- sign 187.853+/-0.027	χ^2/NDF : 4042249.0/46
Left In: 208.813+/-0.036	χ^2/NDF : 1001936.6/22		

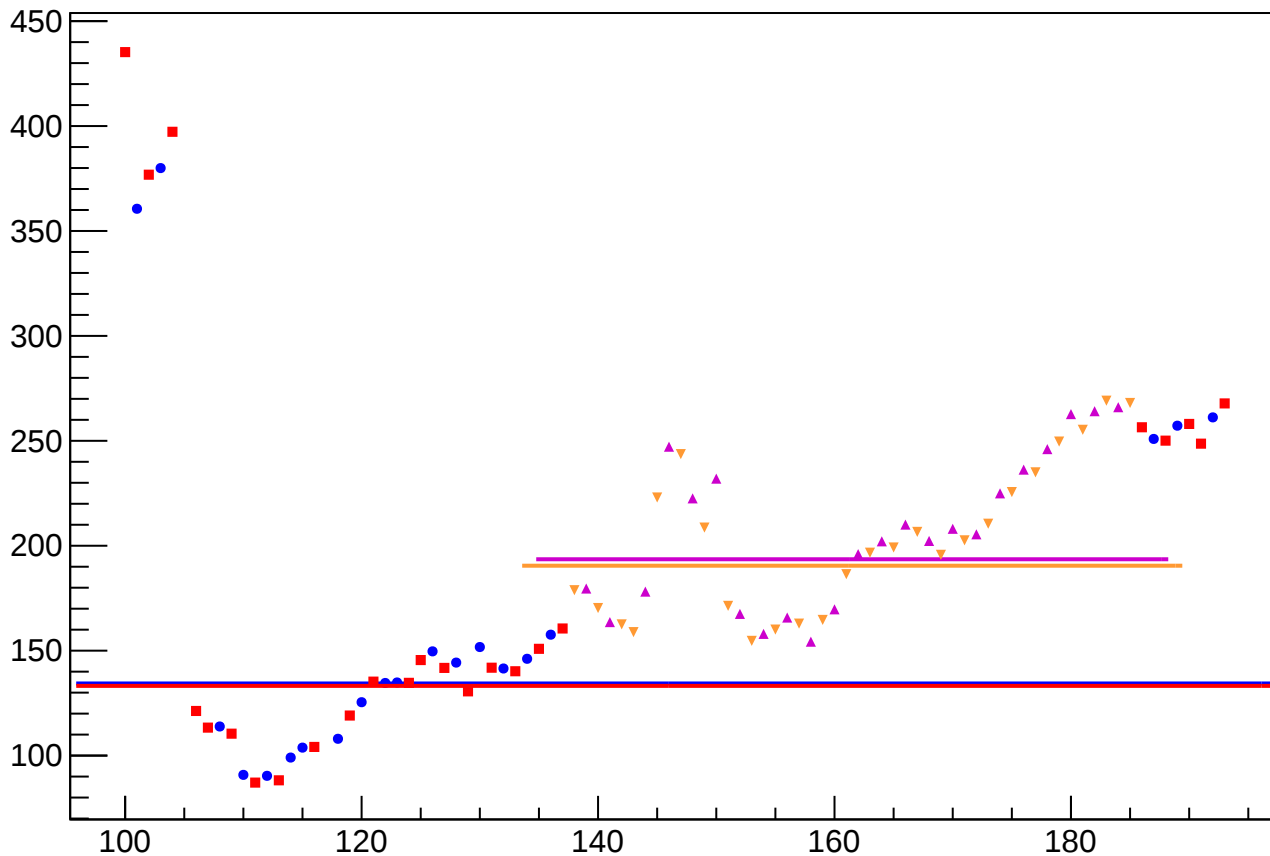
yield_bpm0i01aWS_mean vs Slug



Right In: 143985.956 $\pm$ 0.051 χ^2 /NDF: 2677038167.3/19
 Left Out: 140364.444 $\pm$ 0.045 χ^2 /NDF: 8677078677.7/24
 Right Out: 144139.477 $\pm$ 0.047 χ^2 /NDF: 4136971808.0/23
 Left In: 140166.971 $\pm$ 0.047 χ^2 /NDF: 8028464654.6/22

+ sign 141951.815 $\pm$ 0.034 χ^2 /NDF: 14165663555.
 All: 142064.685 $\pm$ 0.024 χ^2 /NDF: 298944744
 - sign 142174.154 $\pm$ 0.033 χ^2 /NDF: 15706959608.0

yield_bpm0i01aWS_rms vs Slug



Right In: 134.362 $\pm$ 0.036 χ^2 /NDF: 2196565.6/19

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF: 950233.2/24

Right Out: 133.222 $\pm$ 0.033 χ^2 /NDF: 2758572.9/23

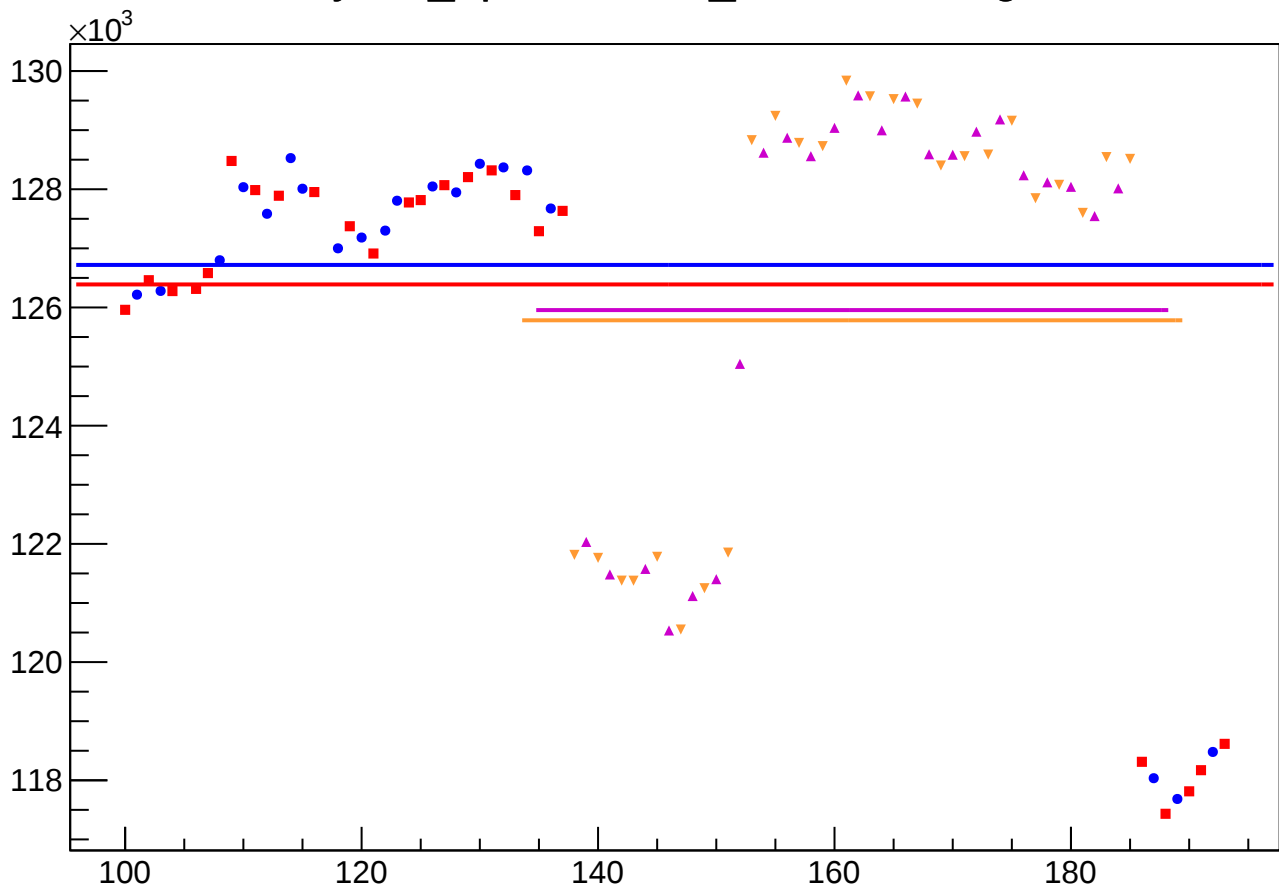
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

+ sign 165.886 $\pm$ 0.024 χ^2 /NDF: 4497289.3/44

All: 164.457 $\pm$ 0.017 χ^2 /NDF: 9860523.9/91

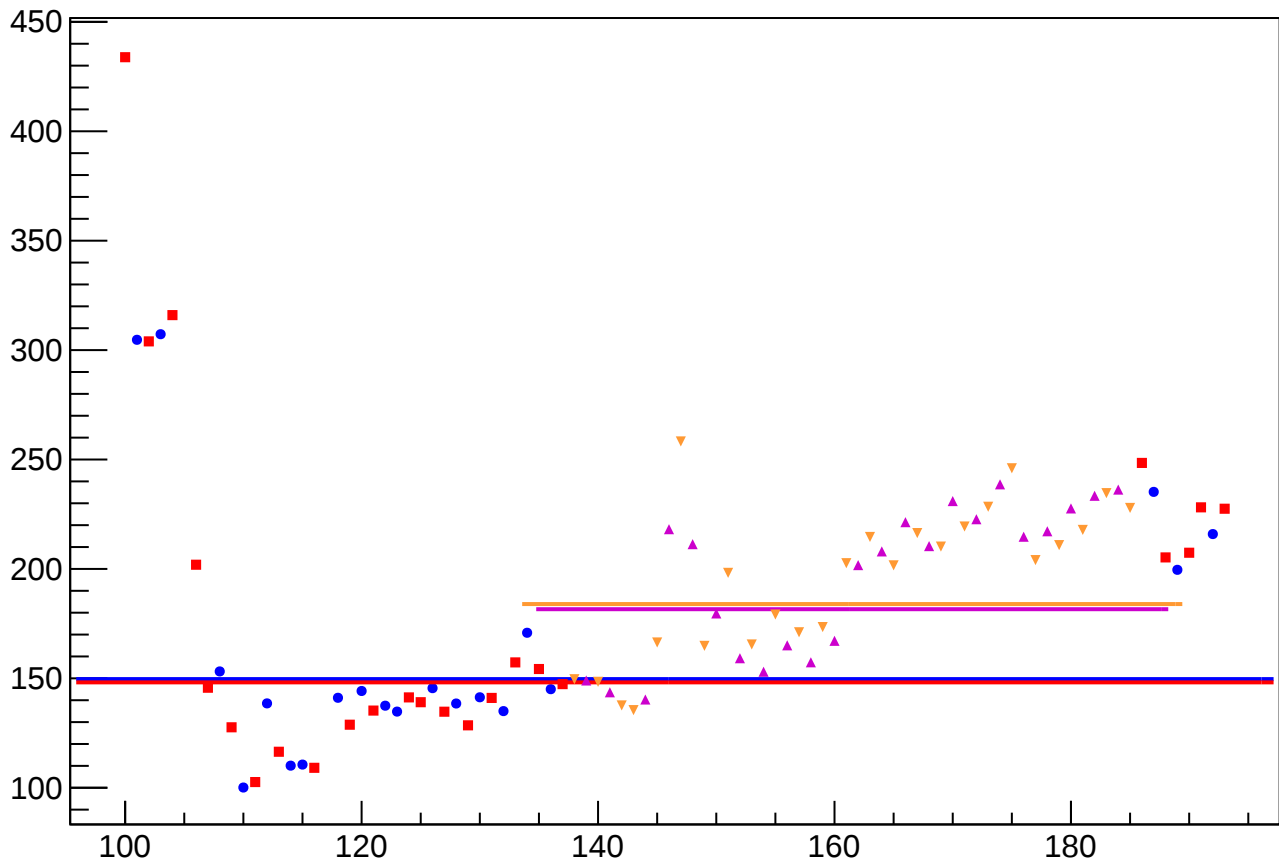
- sign 163.072 $\pm$ 0.024 χ^2 /NDF: 5356235.7/46

yield_bpm0l01WS_mean vs Slug



Right In: 126719.709 $\pm$ 0.055	χ^2 /NDF: 2878635359.3/19	+ sign 126147.695 $\pm$ 0.034	χ^2 /NDF: 9784981355.9
Left Out: 125782.764 $\pm$ 0.044	χ^2 /NDF: 6729761889.8/24	All: 126146.810 $\pm$ 0.024	χ^2 /NDF: 201352514
Right Out: 126389.519 $\pm$ 0.051	χ^2 /NDF: 4505044820.3/23	- sign 126145.967 $\pm$ 0.034	χ^2 /NDF: 10350268760.3
Left In: 125955.637 $\pm$ 0.045	χ^2 /NDF: 5804088930.1/22		

yield_bpm0l01WS_rms vs Slug



Right In: 149.654+/-0.039 χ^2/NDF : 1134363.6/19

Left Out: 183.947+/-0.031 χ^2/NDF : 1123194.0/24

Right Out: 148.159+/-0.036 χ^2/NDF : 1586547.0/23

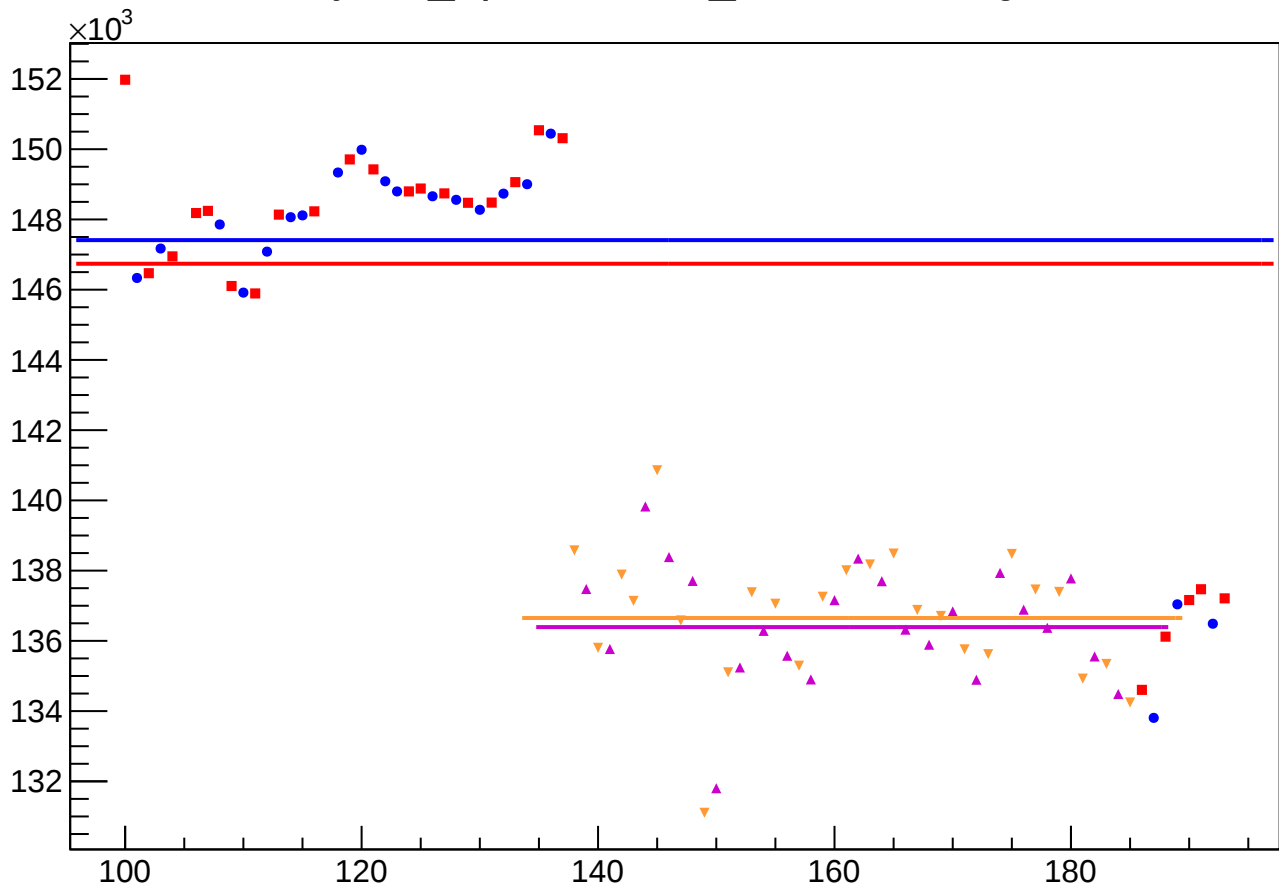
Left In: 181.596+/-0.032 χ^2/NDF : 1103524.3/22

+ sign 170.590+/-0.024 χ^2/NDF : 2730650.3/44

All: 168.715+/-0.017 χ^2/NDF : 5920937.7/91

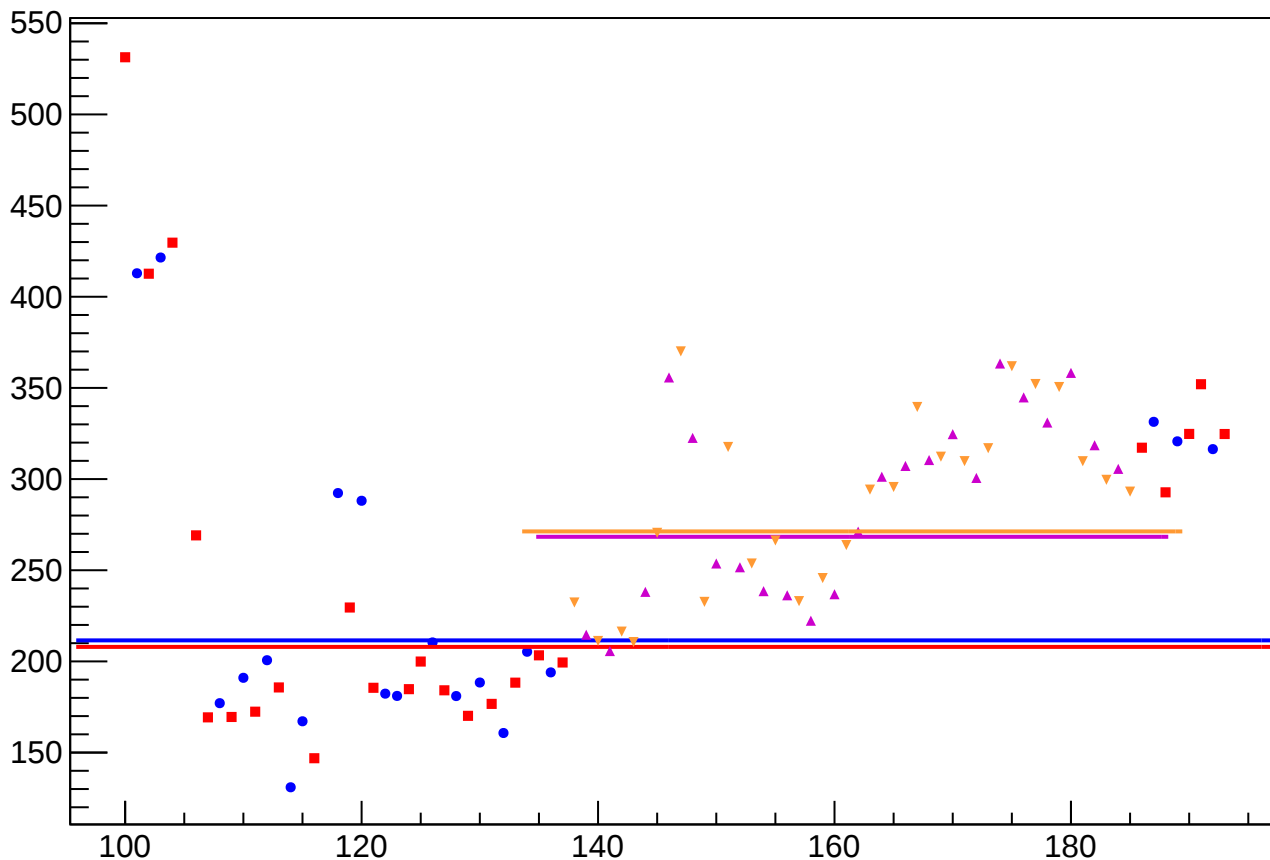
- sign 166.928+/-0.024 χ^2/NDF : 3178670.7/46

yield_bpm0l02WS_mean vs Slug



Right In: 147410.911+/-0.078	χ^2/NDF : 2223550673.6/19	+ sign 141005.609+/-0.050	χ^2/NDF : 14373207990.
Left Out: 136650.935+/-0.065	χ^2/NDF : 930649595.5/24	All: 141089.160+/-0.035	χ^2/NDF : 299154943
Right Out: 146738.564+/-0.071	χ^2/NDF : 3480225951.5/23	- sign 141167.898+/-0.048	χ^2/NDF : 15536832536.8
Left In: 136392.188+/-0.066	χ^2/NDF : 701986841.4/22		

yield_bpm0l02WS_rms vs Slug



Right In: 211.532+/-0.055 χ^2/NDF : 1319447.9/19

Left Out: 271.295+/-0.046 χ^2/NDF : 1064485.7/24

Right Out: 207.956+/-0.050 χ^2/NDF : 1522567.1/23

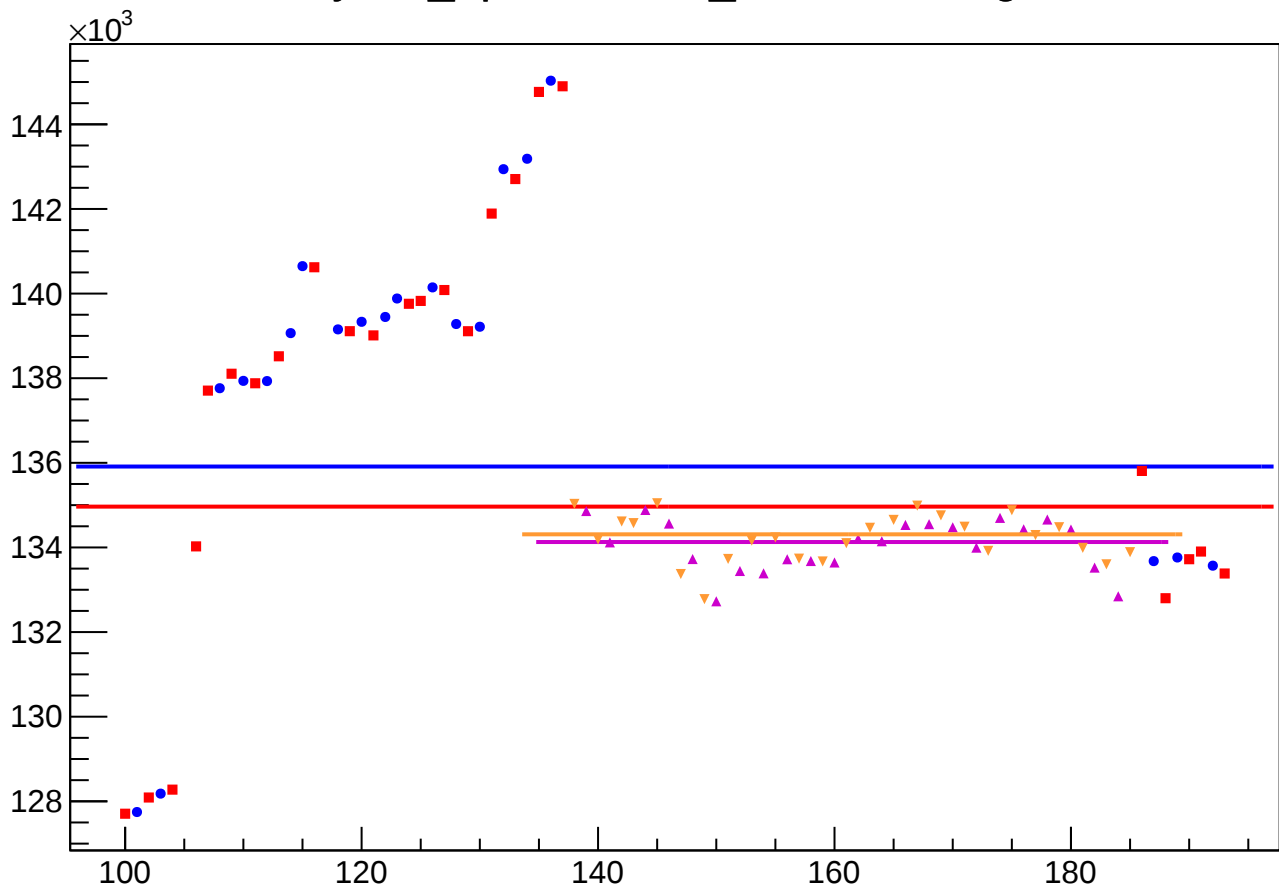
Left In: 268.344+/-0.047 χ^2/NDF : 1077364.0/22

+ sign 247.108+/-0.035 χ^2/NDF : 3076125.0/44

All: 243.691+/-0.025 χ^2/NDF : 6467915.9/91

- sign 240.470+/-0.034 χ^2/NDF : 3373538.1/46

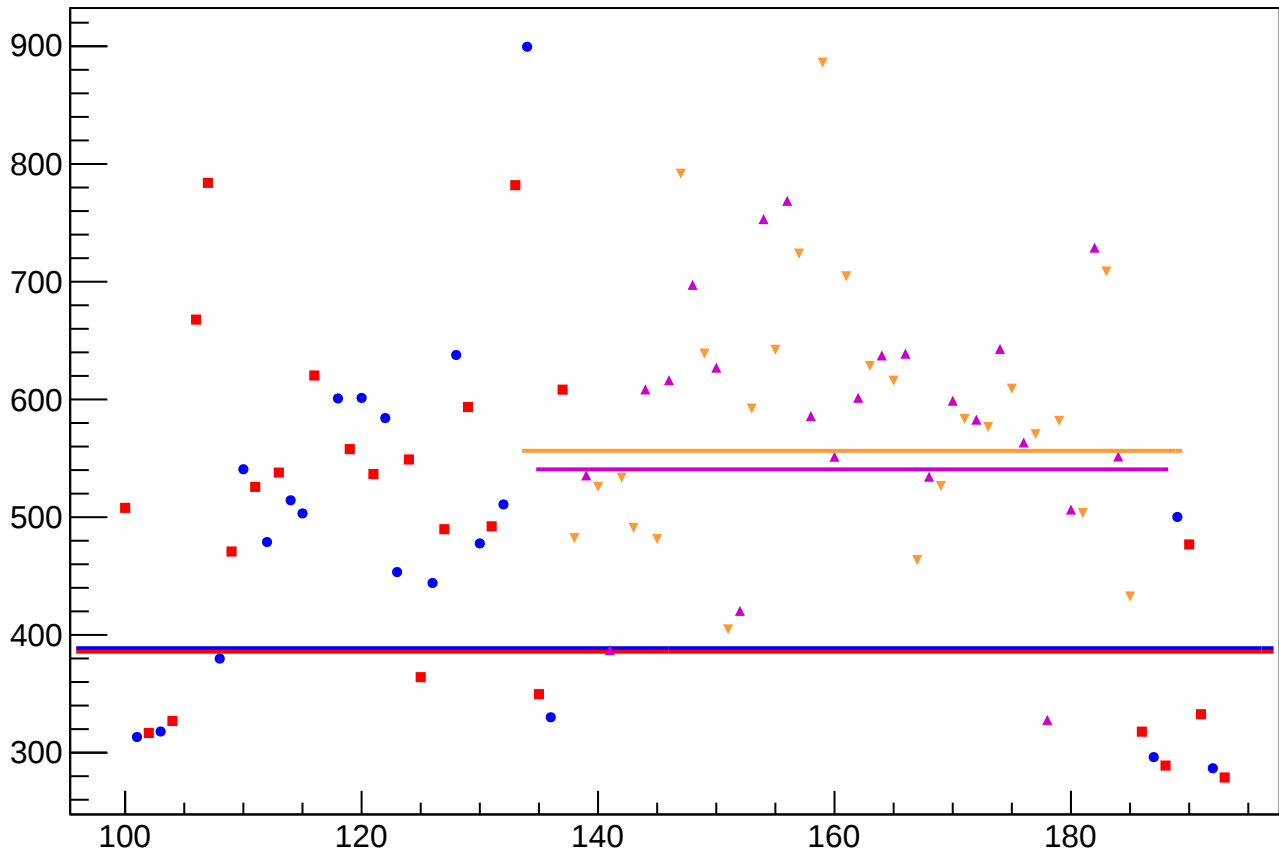
yield_bpm0l03WS_mean vs Slug



Right In: 135912.493 ± 0.151 $\chi^2/\text{NDF}: 1562232912.6/19$
 Left Out: 134310.250 ± 0.139 $\chi^2/\text{NDF}: 15518632.9/24$
 Right Out: 134964.900 ± 0.140 $\chi^2/\text{NDF}: 1172801504.2/23$
 Left In: 134128.172 ± 0.142 $\chi^2/\text{NDF}: 15533736.2/22$

+ sign 135043.269 ± 0.102 $\chi^2/\text{NDF}: 1638929062.3$
 All: 134792.233 ± 0.071 $\chi^2/\text{NDF}: 285671402$
 - sign 134553.042 ± 0.100 $\chi^2/\text{NDF}: 1205968731.5/$

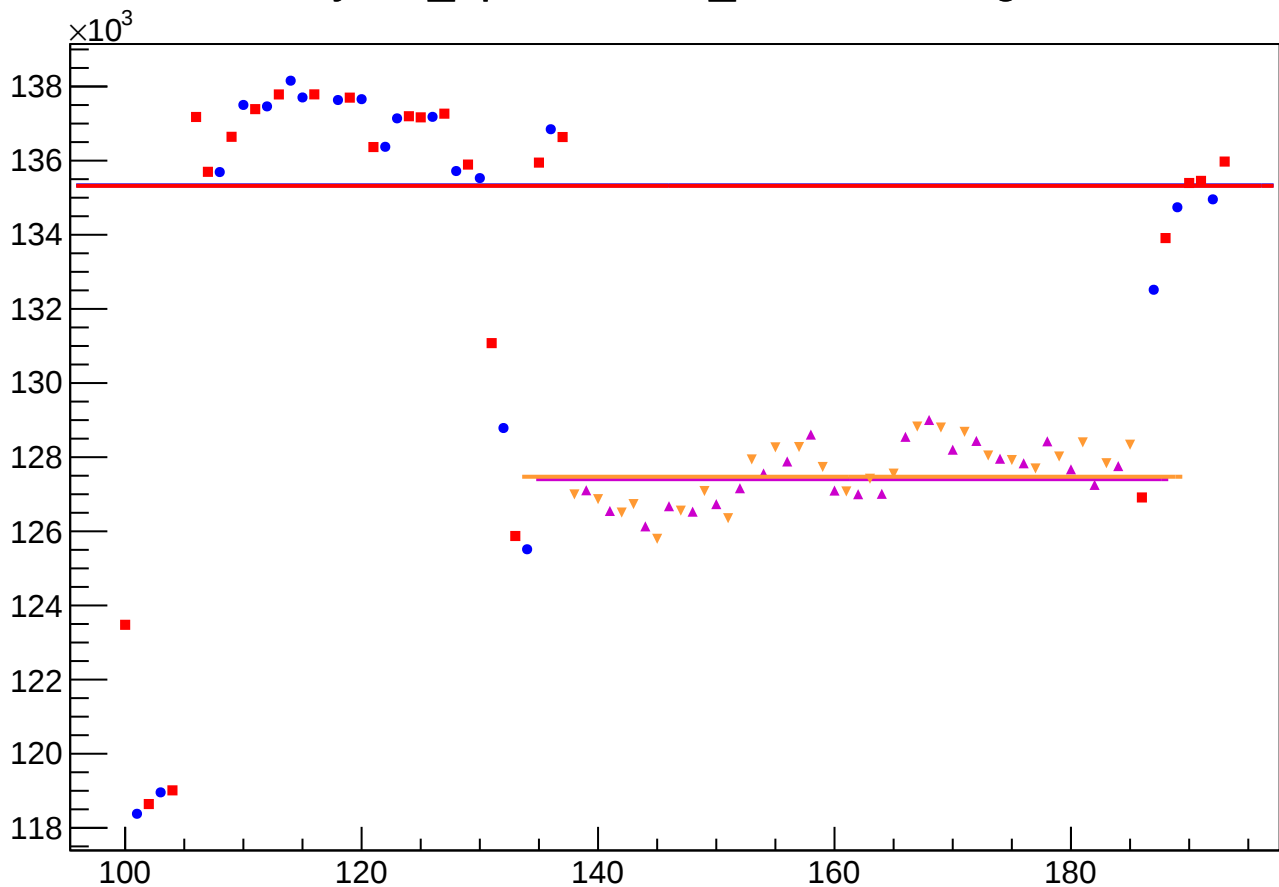
yield_bpm0l03WS_rms vs Slug



Right In: 388.704 ± 0.107 χ^2/NDF : 1068223.6/19
 Left Out: 556.381 ± 0.098 χ^2/NDF : 1002064.0/24
 Right Out: 385.757 ± 0.099 χ^2/NDF : 1487987.7/23
 Left In: 540.607 ± 0.100 χ^2/NDF : 1409015.2/22

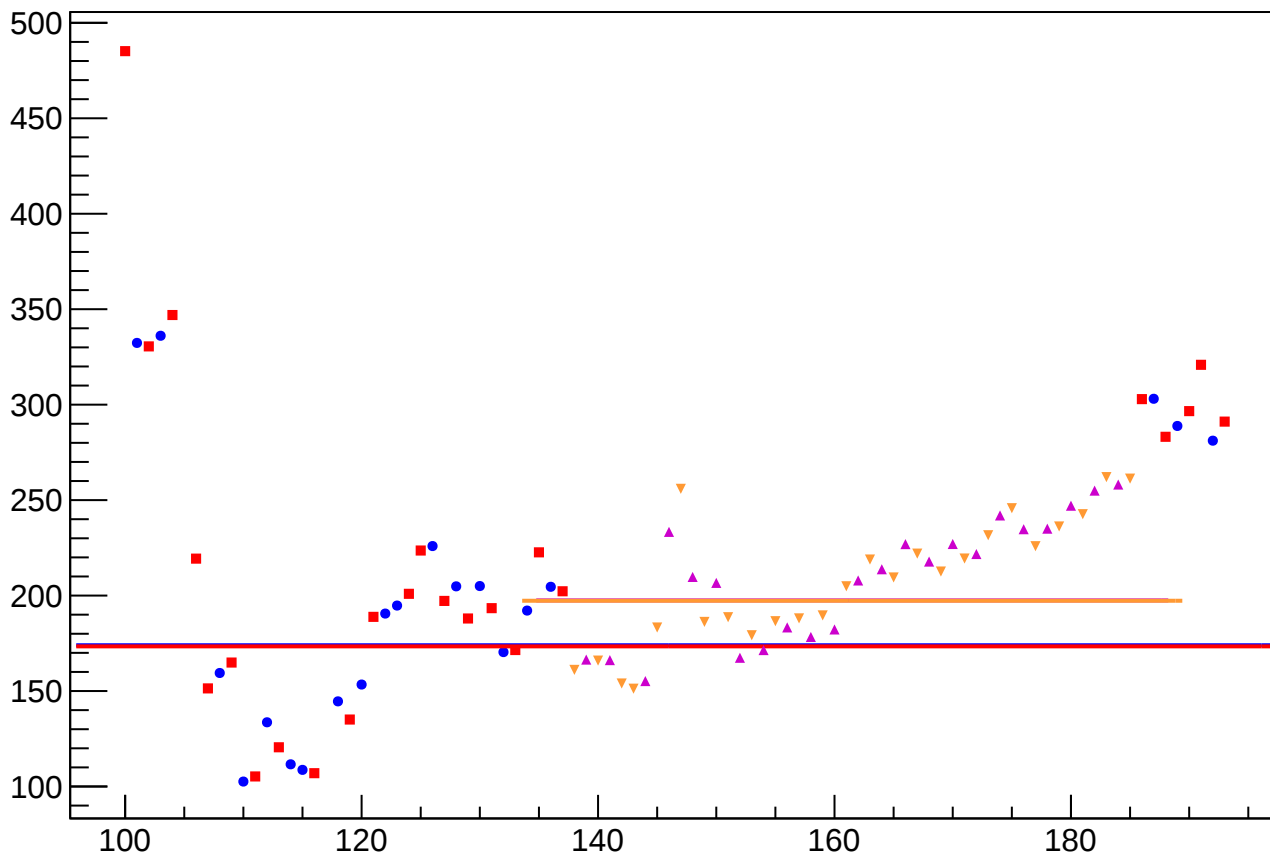
+ sign 479.670 ± 0.072 χ^2/NDF : 3410314.7/44
 All: 470.610 ± 0.050 χ^2/NDF : 7545974.9/91
 - sign 461.978 ± 0.070 χ^2/NDF : 4104880.8/46

yield_bpm0l04WS_mean vs Slug



Right In: 135332.601 $\pm$ 0.066 χ^2 /NDF: 4595081849.8/19
 Left Out: 127472.525 $\pm$ 0.047 χ^2 /NDF: 303609315.6/24
 Right Out: 135319.723 $\pm$ 0.061 χ^2 /NDF: 5054833348.9/23
 Left In: 127406.911 $\pm$ 0.048 χ^2 /NDF: 269927988.0/22

yield_bpm0l04WS_rms vs Slug



Right In: 173.984 $\pm$ 0.046 χ^2 /NDF: 1734021.7/19

Left Out: 197.289 $\pm$ 0.033 χ^2 /NDF: 852024.1/24

Right Out: 173.394 $\pm$ 0.043 χ^2 /NDF: 2328198.0/23

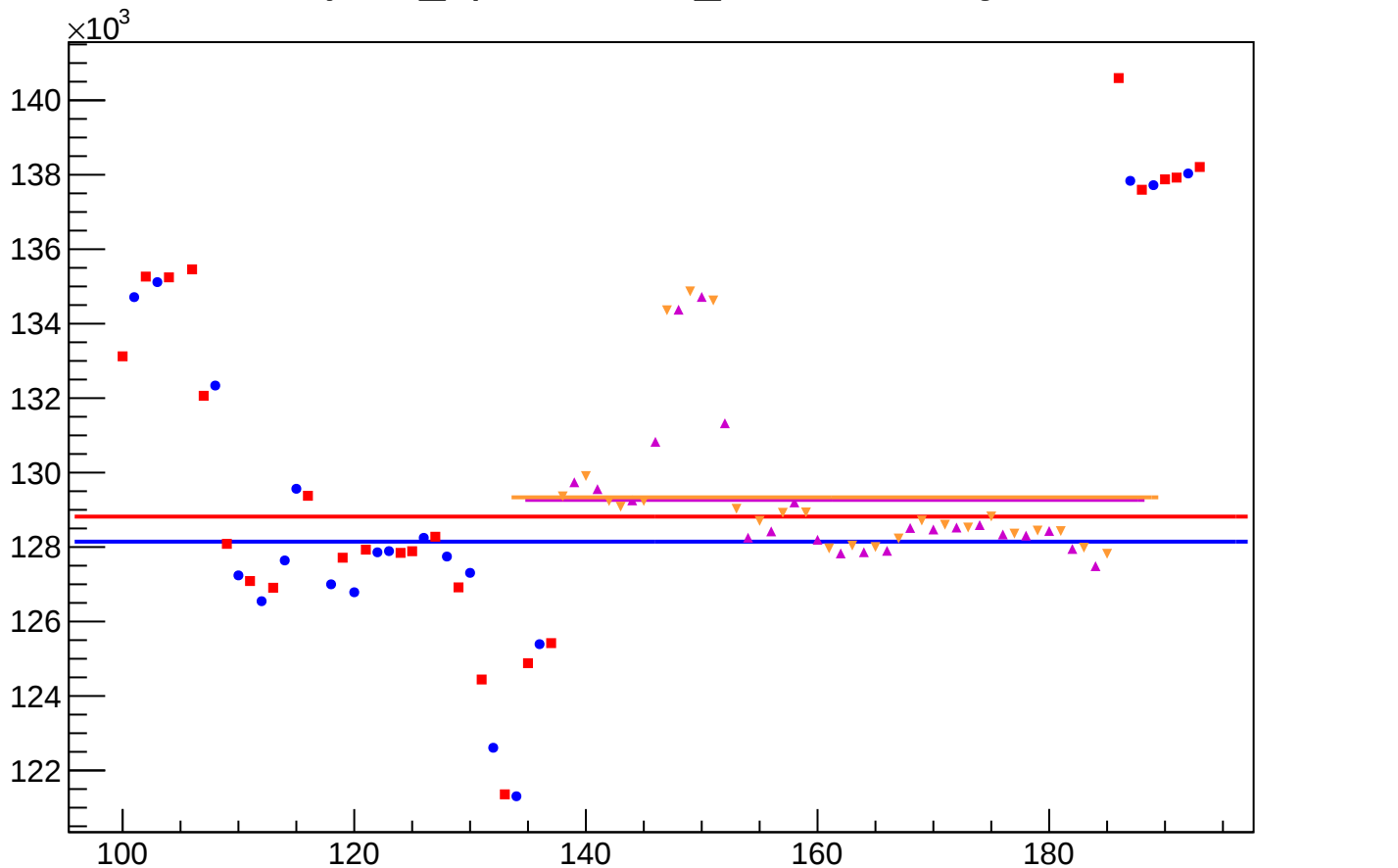
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 189.408 $\pm$ 0.027 χ^2 /NDF: 2753359.1/44

All: 188.769 $\pm$ 0.019 χ^2 /NDF: 6066360.6/91

- sign 188.139 $\pm$ 0.027 χ^2 /NDF: 3311885.4/46

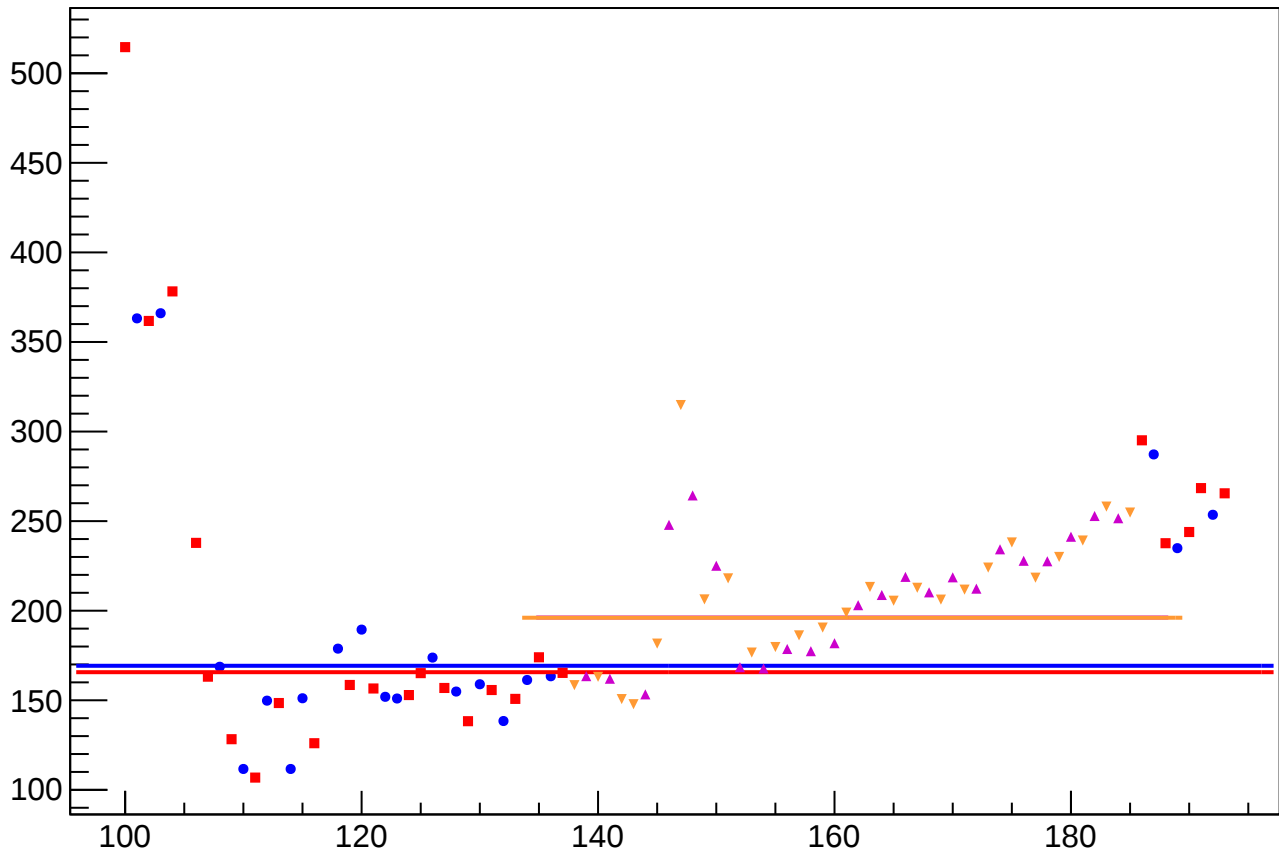
yield_bpm0l05WS_mean vs Slug



Right In: 128145.389 ± 0.063 χ^2/NDF : 4308826385.1/19
 Left Out: 129335.946 ± 0.047 χ^2/NDF : 1450933621.0/24
 Right Out: 128818.250 ± 0.057 χ^2/NDF : 6030828375.3/23
 Left In: 129266.909 ± 0.048 χ^2/NDF : 1213762773.1/22

+ sign 128914.369 ± 0.038 χ^2/NDF : 5989634537.1
 All: 128999.538 ± 0.026 χ^2/NDF : 132801524
 - sign 129081.800 ± 0.037 χ^2/NDF : 7280406419.0

yield_bpm0l05WS_rms vs Slug



Right In: 169.258 $\pm$ 0.045 χ^2 /NDF: 1300231.7/19

Left Out: 196.077 $\pm$ 0.033 χ^2 /NDF: 975710.9/24

Right Out: 165.678 $\pm$ 0.041 χ^2 /NDF: 1827796.0/23

Left In: 196.186 $\pm$ 0.034 χ^2 /NDF: 898058.0/22

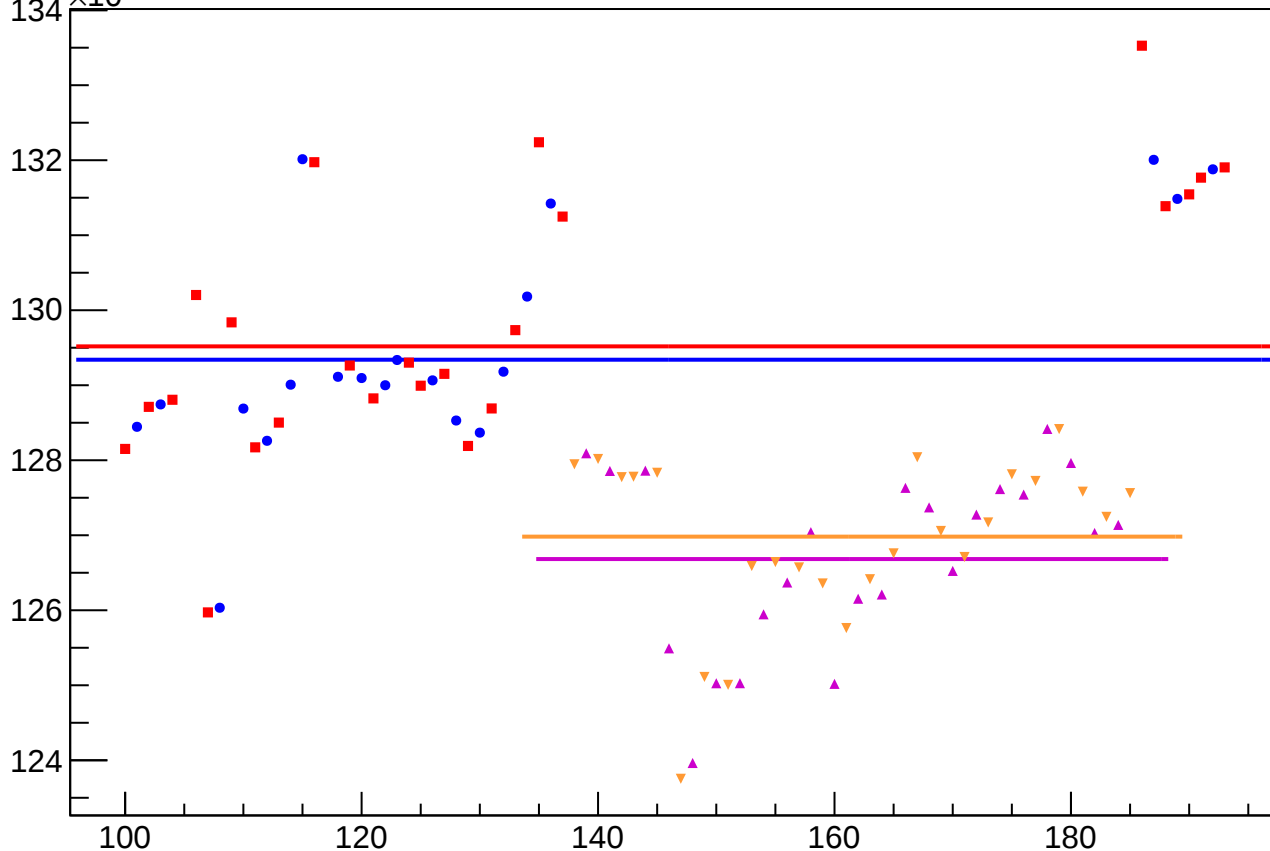
+ sign 186.581 $\pm$ 0.027 χ^2 /NDF: 2509239.7/44

All: 185.064 $\pm$ 0.019 χ^2 /NDF: 5572716.1/91

- sign 183.599 $\pm$ 0.026 χ^2 /NDF: 3057062.5/46

yield_bpm0l06WS_mean vs Slug

$\times 10^3$



Right In: 129340.365 $\pm$ 0.057 χ^2 /NDF: 675706307.9/19

Left Out: 126981.724 $\pm$ 0.046 χ^2 /NDF: 530573115.8/24

Right Out: 129518.235 $\pm$ 0.052 χ^2 /NDF: 921685172.5/23

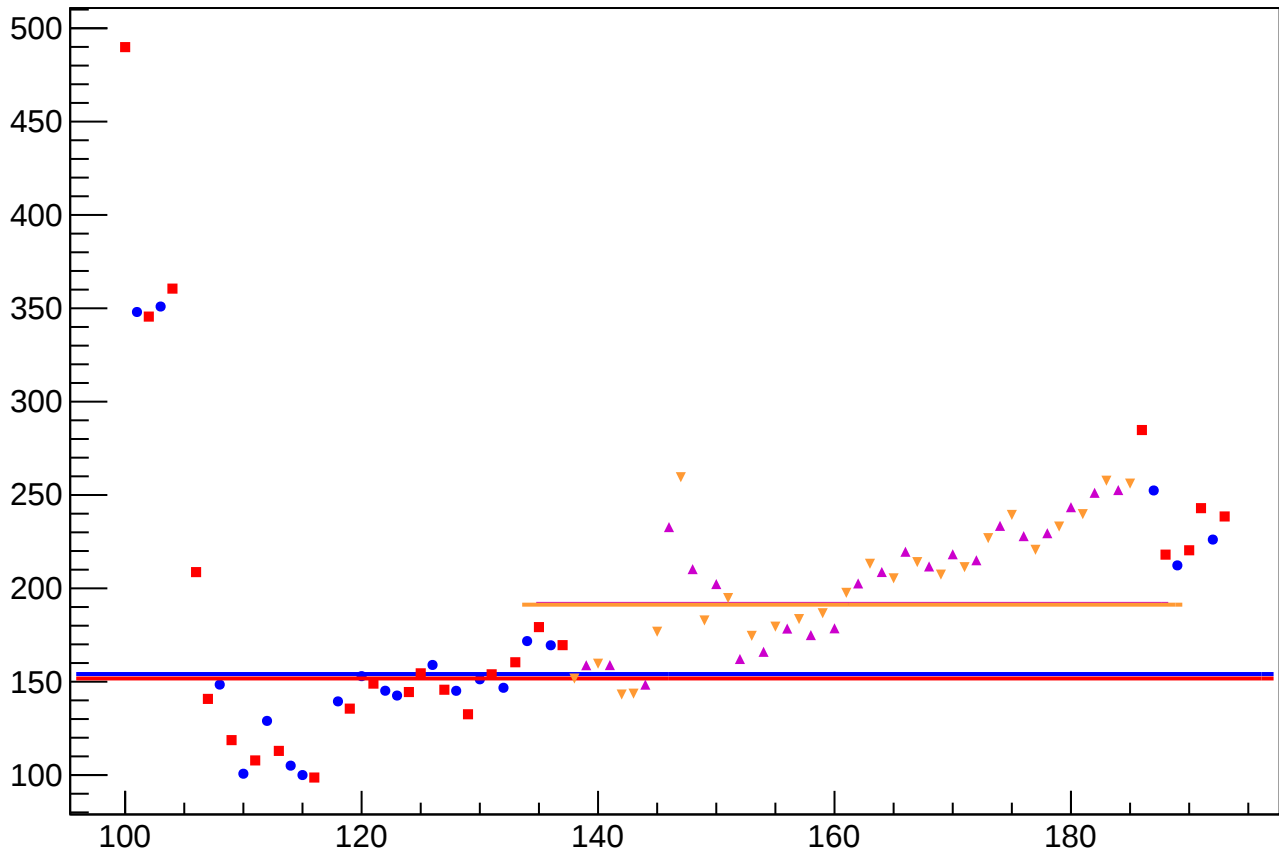
Left In: 126682.659 $\pm$ 0.047 χ^2 /NDF: 660415880.0/22

+ sign 127896.915 $\pm$ 0.036 χ^2 /NDF: 2247923545.2/19

All: 127922.254 $\pm$ 0.025 χ^2 /NDF: 545410890.0/19

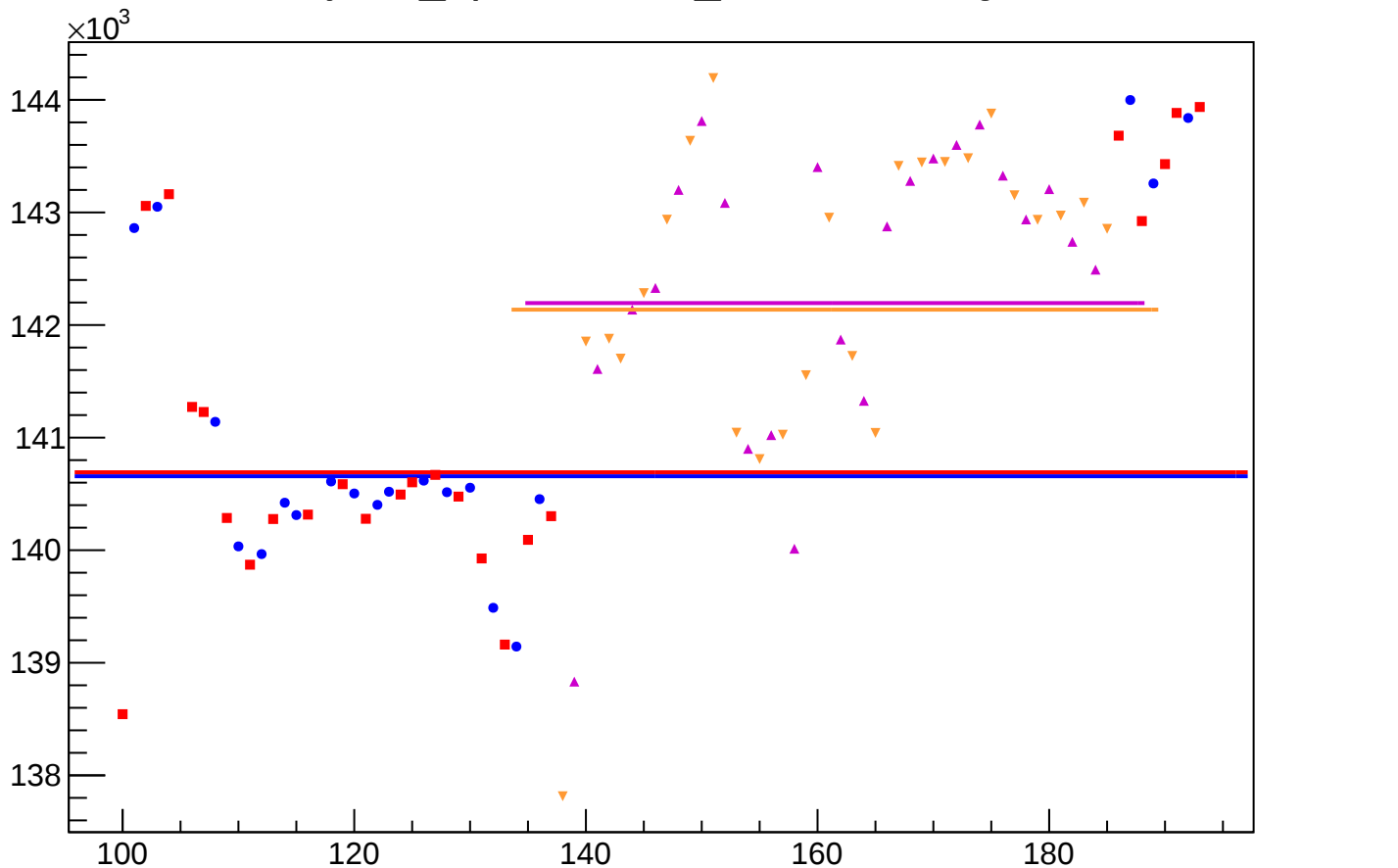
- sign 127946.708 $\pm$ 0.035 χ^2 /NDF: 3205190532.2/19

yield_bpm0l06WS_rms vs Slug



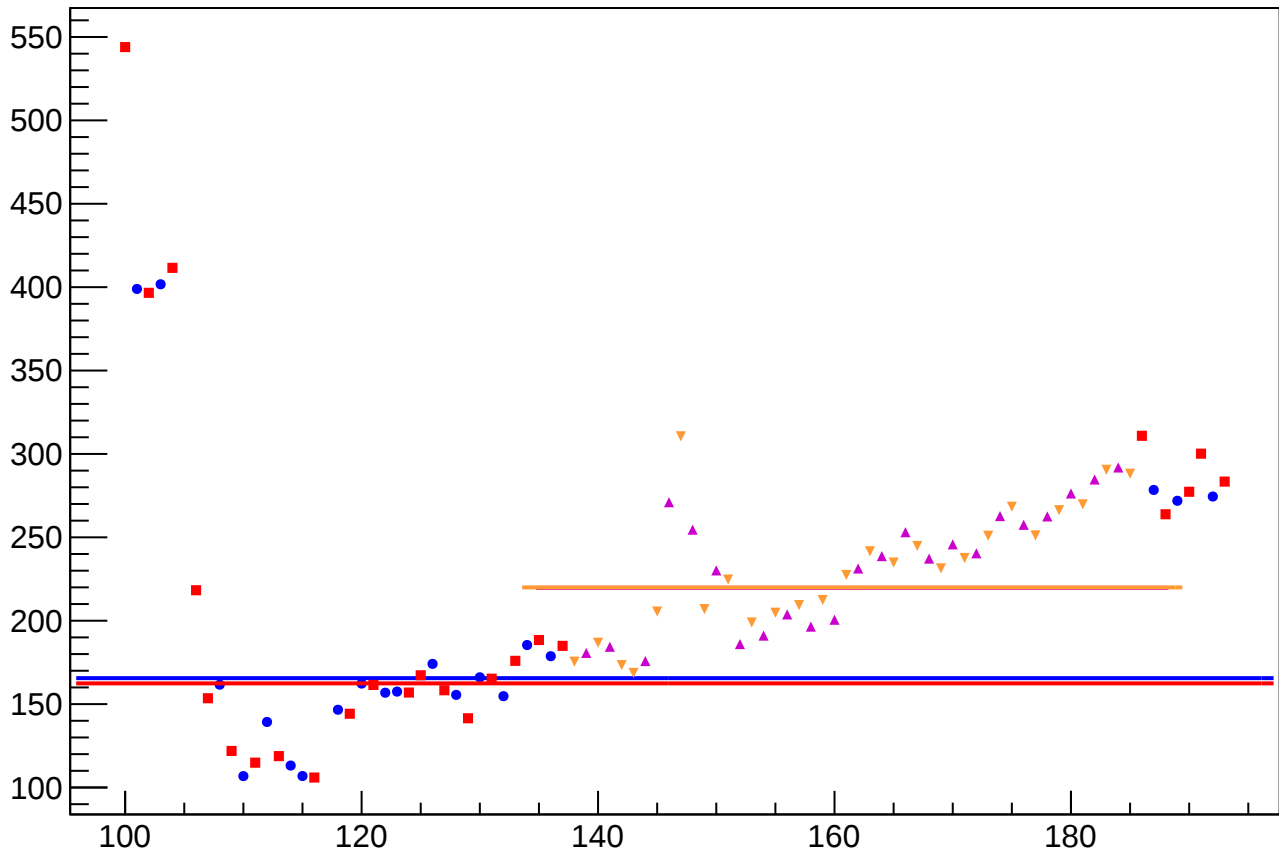
Right In: 154.115 $\pm$ 0.040	χ^2 /NDF: 1400438.9/19	+ sign 176.849 $\pm$ 0.025	χ^2 /NDF: 2909766.5/44
Left Out: 191.263 $\pm$ 0.032	χ^2 /NDF: 992566.2/24	All: 175.336 $\pm$ 0.018	χ^2 /NDF: 6368498.9/91
Right Out: 151.736 $\pm$ 0.037	χ^2 /NDF: 1943005.4/23	- sign 173.875 $\pm$ 0.025	χ^2 /NDF: 3451633.9/46
Left In: 191.683 $\pm$ 0.033	χ^2 /NDF: 864384.9/22		

yield_bpm0l07WS_mean vs Slug



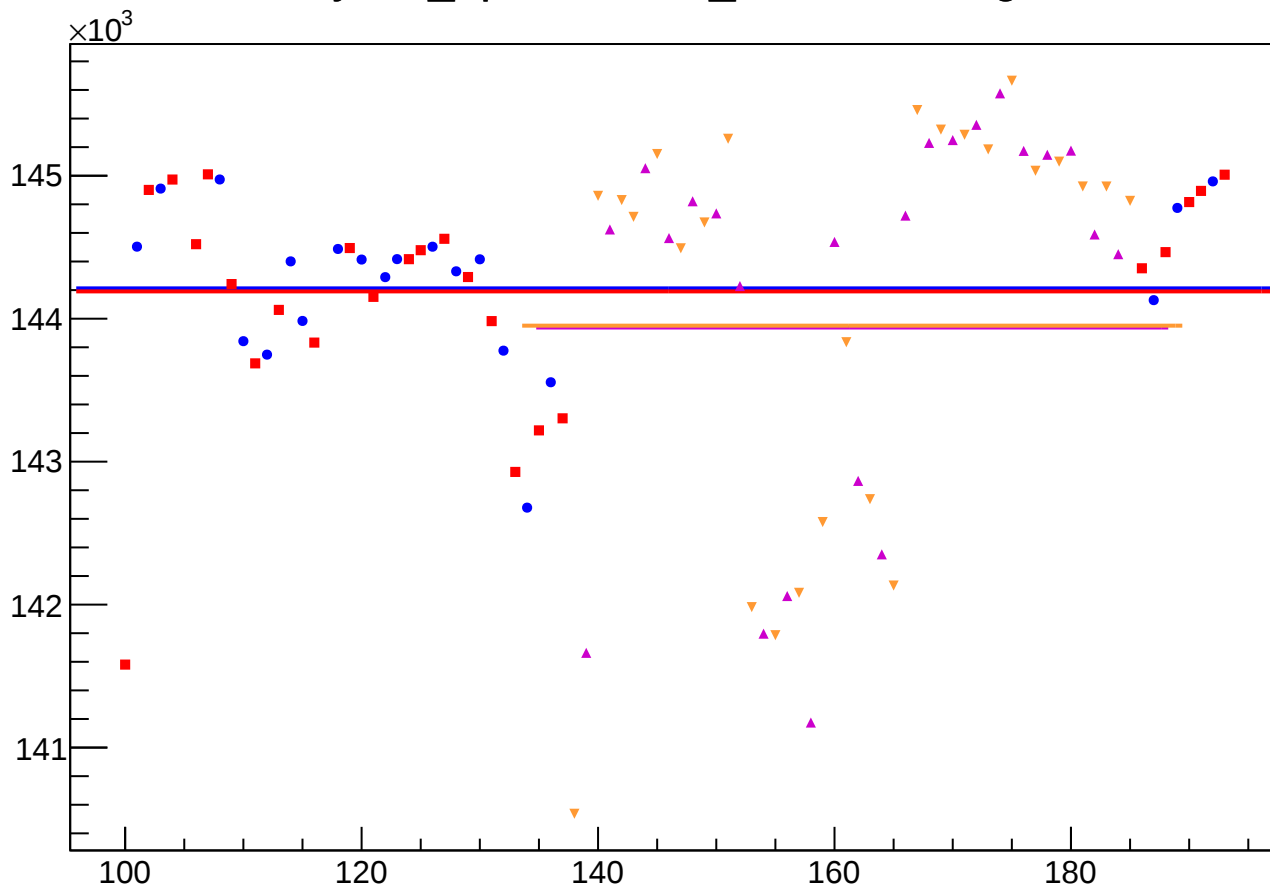
Right In: 140656.828 $\pm$ 0.062 χ^2 /NDF: 290390310.8/19
 Left Out: 142136.579 $\pm$ 0.052 χ^2 /NDF: 815573343.0/24
 Right Out: 140692.281 $\pm$ 0.057 χ^2 /NDF: 379435577.5/23
 Left In: 142195.020 $\pm$ 0.054 χ^2 /NDF: 644030906.9/22
 All: 141500.447 $\pm$ 0.028 χ^2 /NDF: 283257895
 + sign 141519.800 $\pm$ 0.040 χ^2 /NDF: 1439308616.6
 - sign 141481.969 $\pm$ 0.039 χ^2 /NDF: 1392811803.3/

yield_bpm0l07WS_rms vs Slug



Right In: 165.569 $\pm$ 0.044	χ^2 /NDF: 1675084.7/19	+ sign 197.294 $\pm$ 0.028	χ^2 /NDF: 3442761.4/44
Left Out: 219.969 $\pm$ 0.037	χ^2 /NDF: 866616.3/24	All: 194.851 $\pm$ 0.020	χ^2 /NDF: 7659185.3/91
Right Out: 162.432 $\pm$ 0.040	χ^2 /NDF: 2316847.9/23	- sign 192.518 $\pm$ 0.028	χ^2 /NDF: 4201808.0/46
Left In: 219.685 $\pm$ 0.038	χ^2 /NDF: 812745.1/22		

yield_bpm0l08WS_mean vs Slug



Right In: 144212.067 $\pm$ 0.063 χ^2 /NDF: 60348289.7/19

Left Out: 143951.284 $\pm$ 0.052 χ^2 /NDF: 864679545.2/24

Right Out: 144190.985 $\pm$ 0.057 χ^2 /NDF: 80452845.2/23

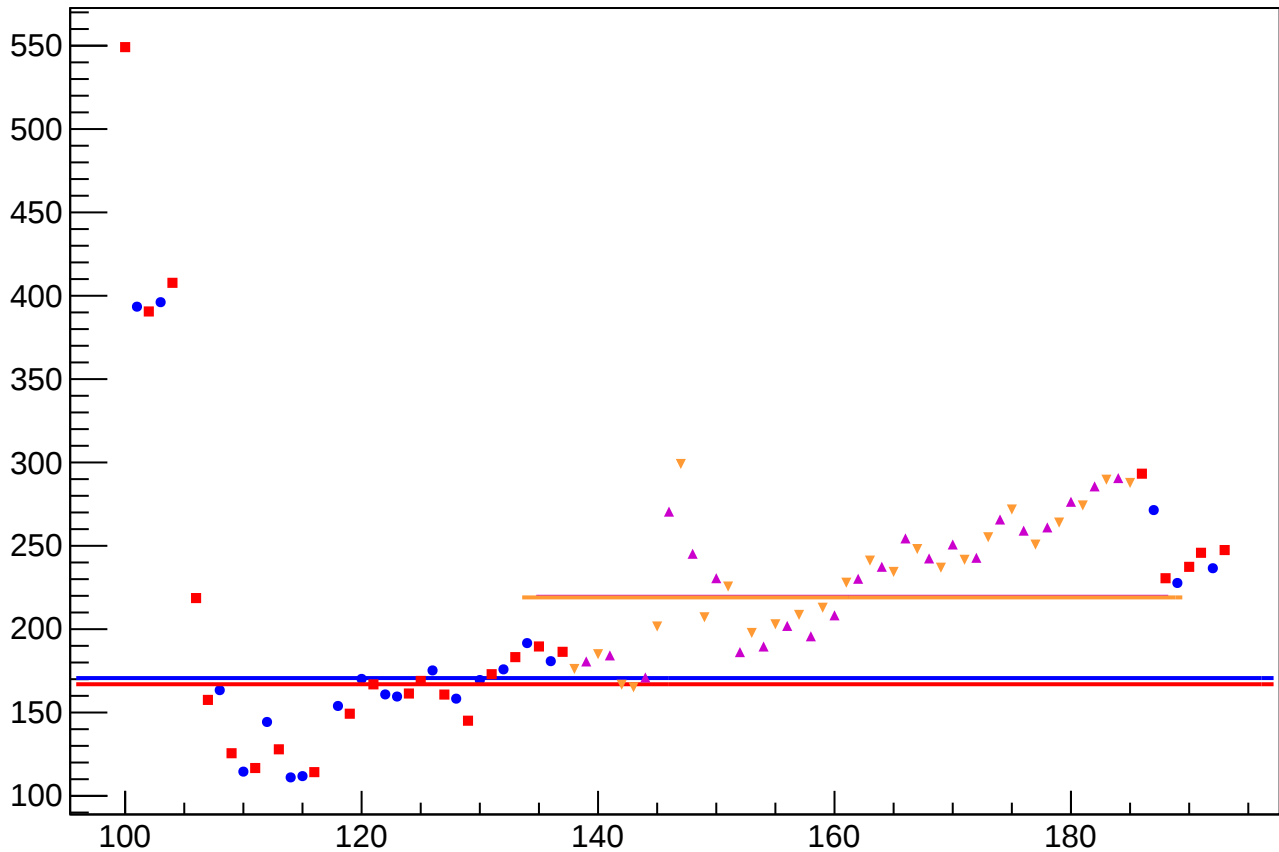
Left In: 143938.288 $\pm$ 0.054 χ^2 /NDF: 719814685.6/22

+ sign 144057.058 $\pm$ 0.040 χ^2 /NDF: 935175998.1/4

All: 144056.815 $\pm$ 0.028 χ^2 /NDF: 174575540

- sign 144056.582 $\pm$ 0.039 χ^2 /NDF: 810579334.1/4

yield_bpm0l08WS_rms vs Slug



Right In: 170.666 $\pm$ 0.045 χ^2 /NDF: 1339735.8/19

Left Out: 219.050 $\pm$ 0.037 χ^2 /NDF: 934417.6/24

Right Out: 166.963 $\pm$ 0.041 χ^2 /NDF: 1831967.7/23

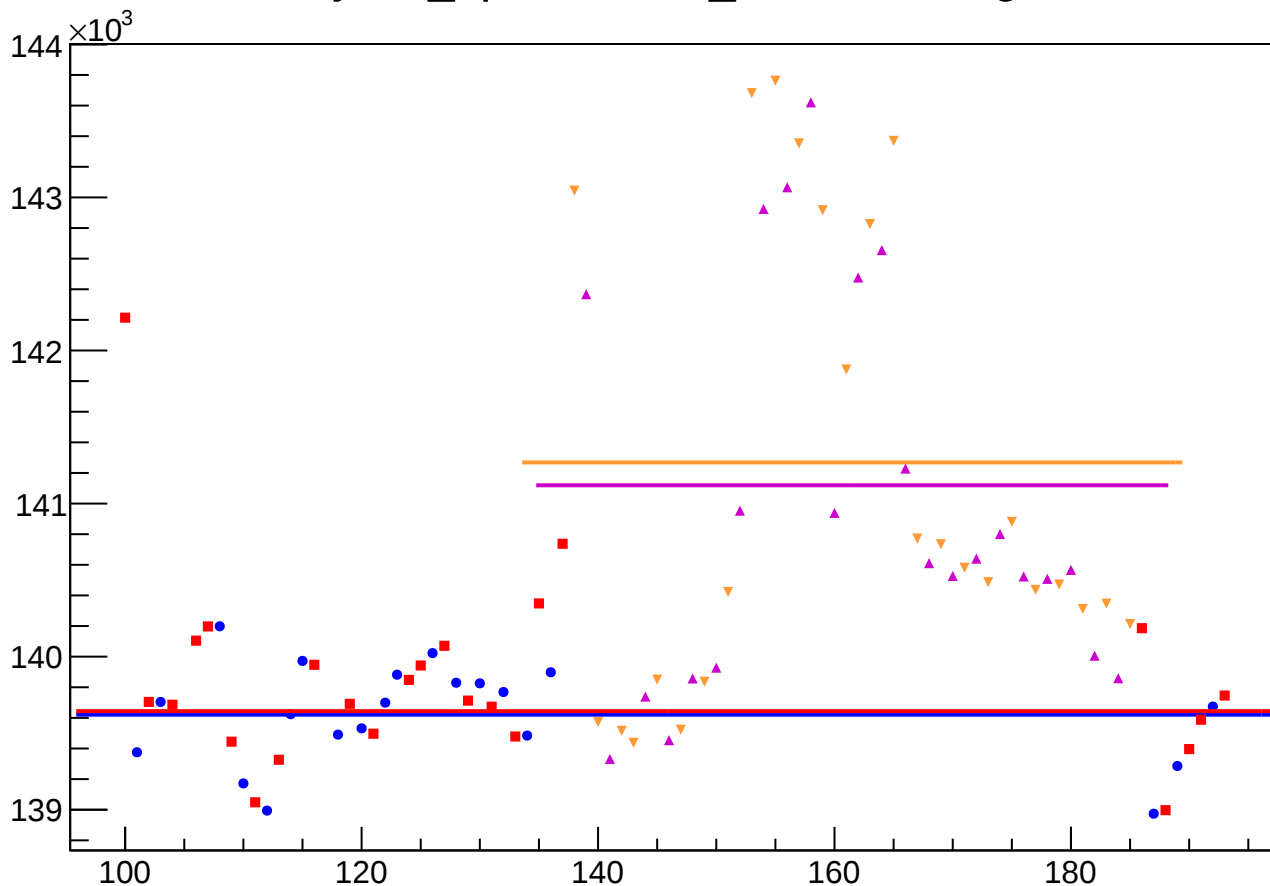
Left In: 219.426 $\pm$ 0.038 χ^2 /NDF: 850089.5/22

+ sign 199.425 $\pm$ 0.028 χ^2 /NDF: 2972809.4/44

All: 197.092 $\pm$ 0.020 χ^2 /NDF: 6556962.5/91

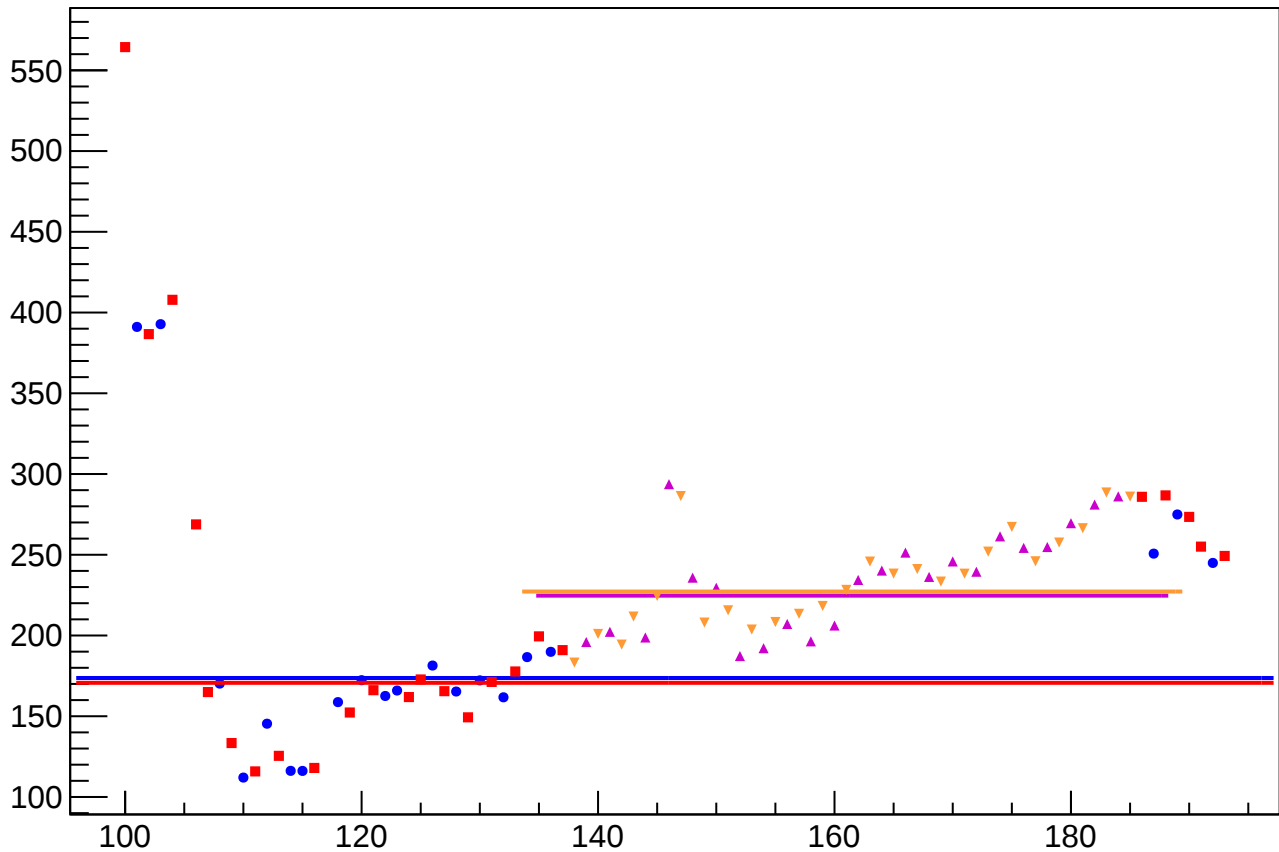
- sign 194.866 $\pm$ 0.028 χ^2 /NDF: 3570990.1/46

yield_bpm0l09WS_mean vs Slug



Right In: 139621.127 $\pm$ 0.064	χ^2 /NDF: 26584894.1/19	+ sign 140594.018 $\pm$ 0.041	χ^2 /NDF: 1208136251.0/19
Left Out: 141268.791 $\pm$ 0.054	χ^2 /NDF: 795989244.2/24	All: 140512.923 $\pm$ 0.029	χ^2 /NDF: 216008451.0/43
Right Out: 139643.840 $\pm$ 0.059	χ^2 /NDF: 44572927.5/23	- sign 140435.835 $\pm$ 0.040	χ^2 /NDF: 944414251.9/4
Left In: 141119.484 $\pm$ 0.055	χ^2 /NDF: 565312728.1/22		

yield_bpm0l09WS_rms vs Slug



Right In: 173.692 $\pm$ 0.046 χ^2 /NDF: 1408825.2/19

Left Out: 227.224 $\pm$ 0.038 χ^2 /NDF:484955.3/24

+ sign 205.301 $\pm$ 0.029 χ^2 /NDF: 2707757.8/44

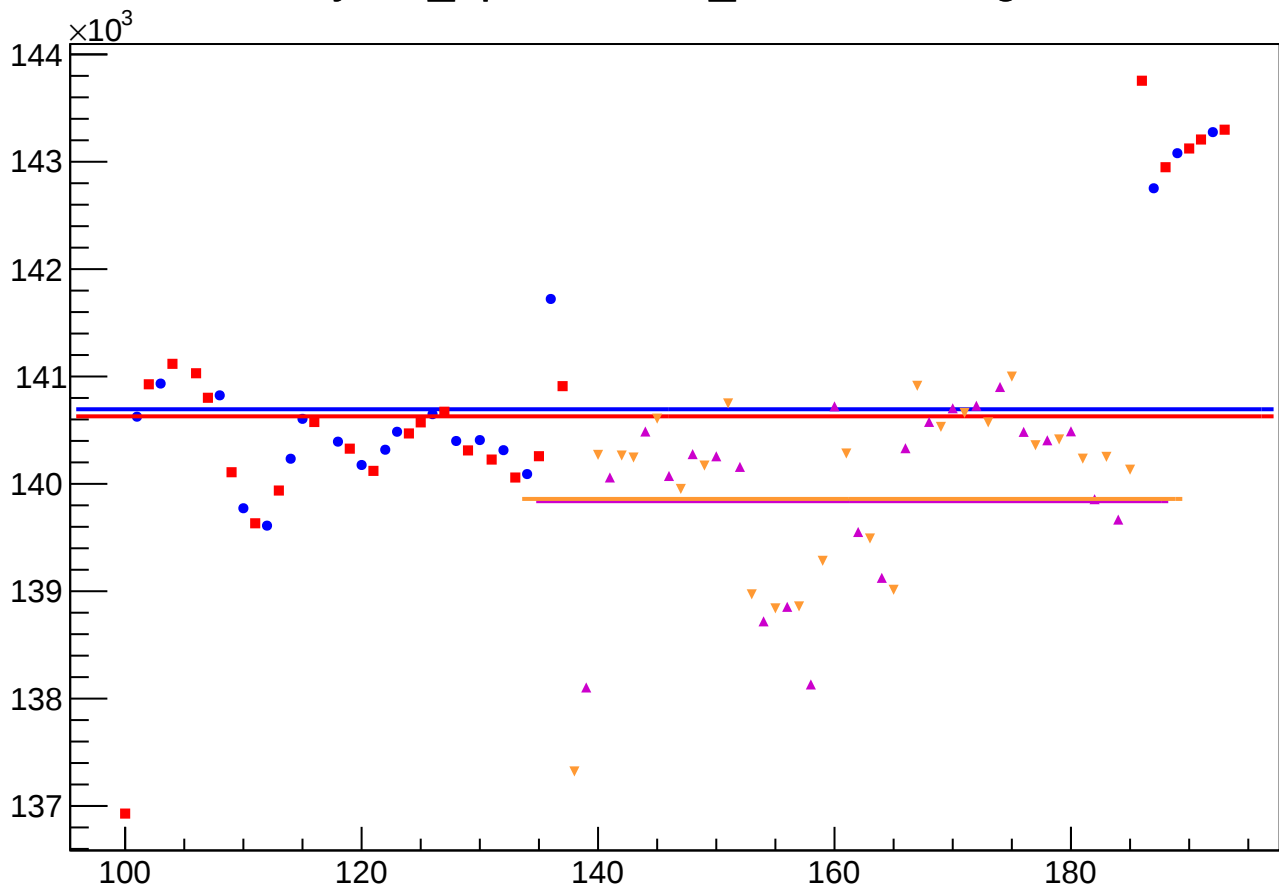
Right Out: 170.709 $\pm$ 0.042 χ^2 /NDF: 2032384.6/23

All: 202.419 $\pm$ 0.020 χ^2 /NDF: 6232735.3/91

Left In: 224.686 $\pm$ 0.039 χ^2 /NDF:578366.0/22

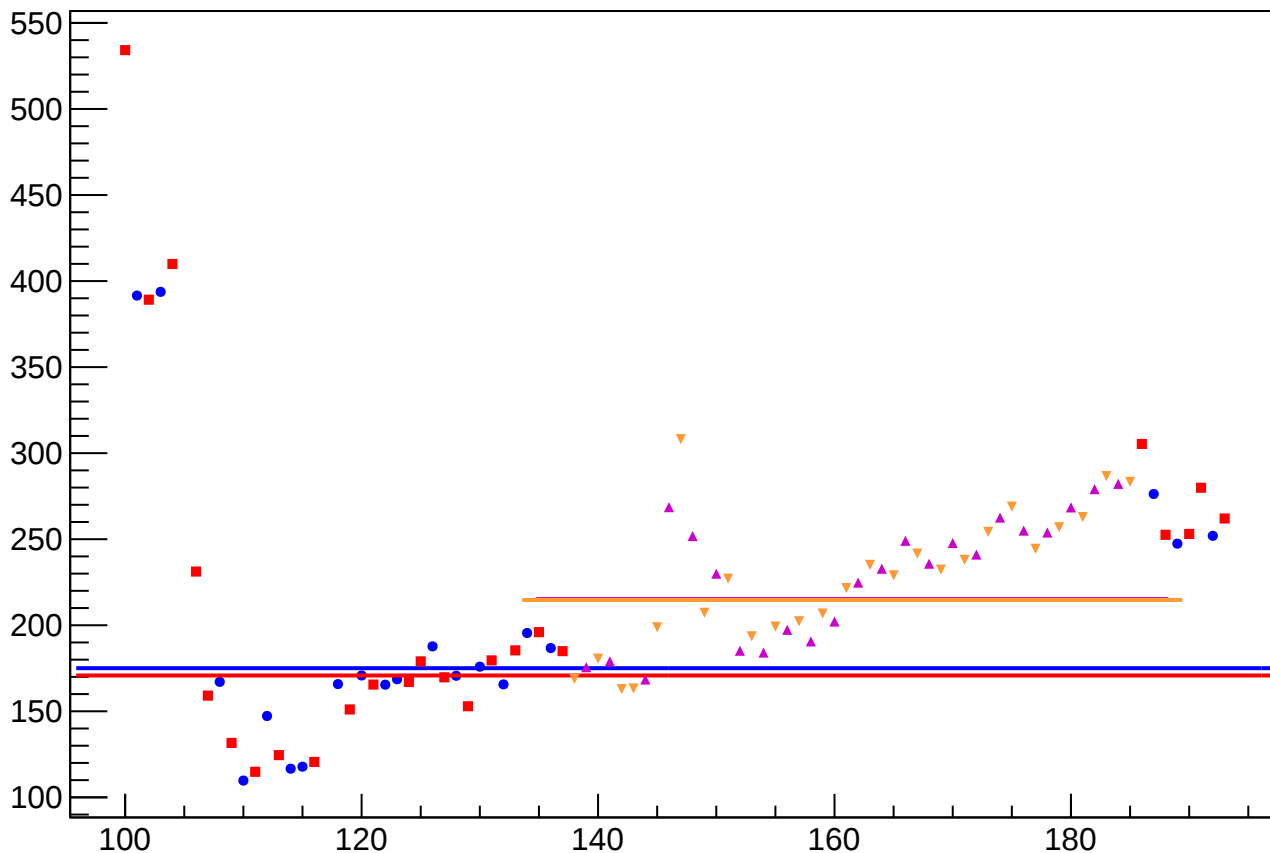
- sign 199.679 $\pm$ 0.028 χ^2 /NDF: 3505947.2/46

yield_bpm0l10WS_mean vs Slug



Right In: 140694.901 ± 0.065 $\chi^2/\text{NDF}: 234076149.3/19$ $+ \text{sign } 140179.028 \pm 0.040$ $\chi^2/\text{NDF}: 666345920.8/4$
 Left Out: 139859.696 ± 0.051 $\chi^2/\text{NDF}: 330118281.5/24$ All: 140184.637 ± 0.028 $\chi^2/\text{NDF}: 135901245$
 Right Out: 140628.988 ± 0.059 $\chi^2/\text{NDF}: 313467264.4/23$ $- \text{sign } 140190.024 \pm 0.039$ $\chi^2/\text{NDF}: 692628281.3/4$
 Left In: 139838.724 ± 0.053 $\chi^2/\text{NDF}: 279573689.3/22$

yield_bpm0l10WS_rms vs Slug



Right In: 175.050 $\pm$ 0.046 χ^2 /NDF: 1403218.5/19

Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF: 981105.5/24

Right Out: 170.813 $\pm$ 0.042 χ^2 /NDF: 1965890.6/23

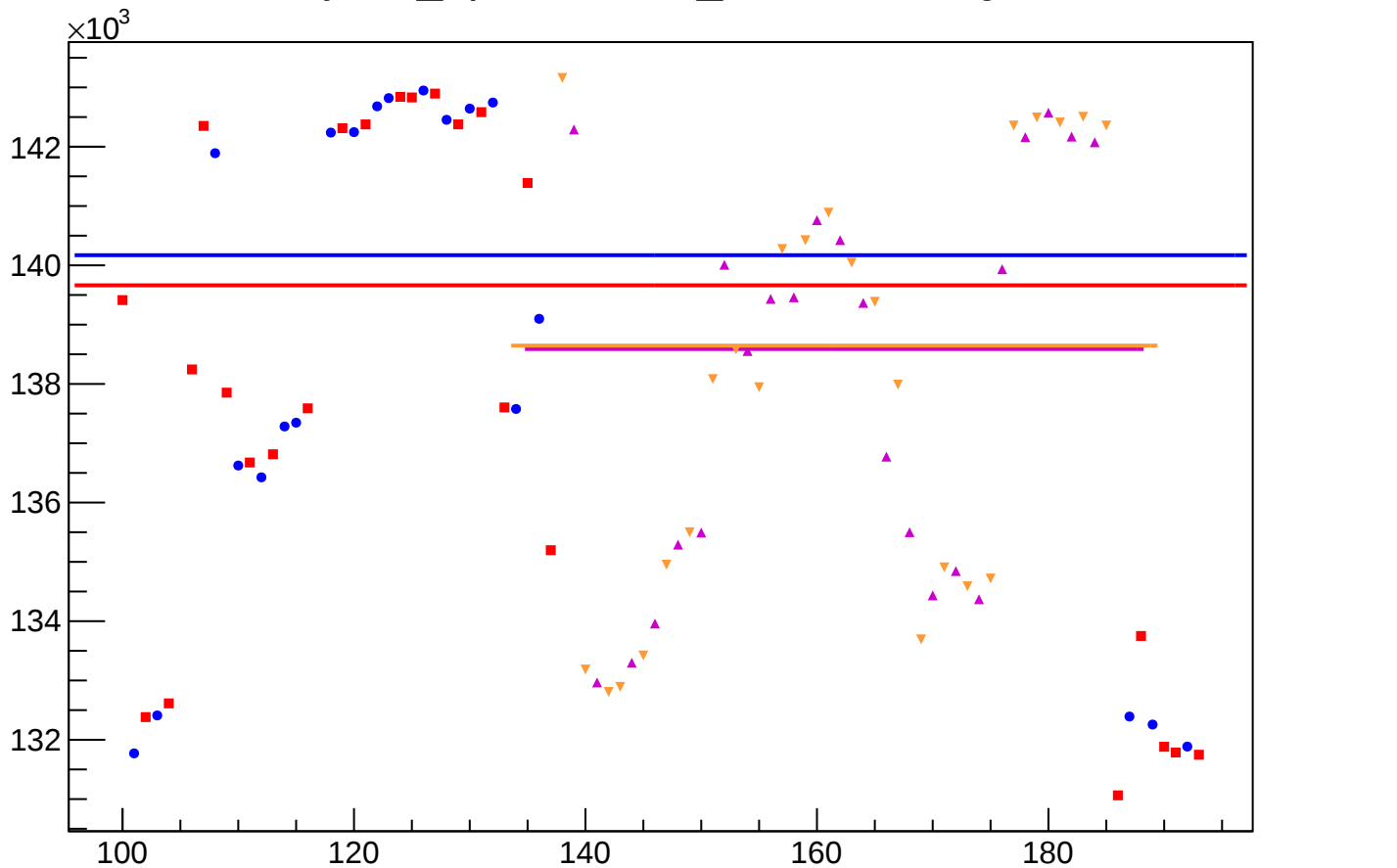
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 199.536 $\pm$ 0.028 χ^2 /NDF: 2844595.8/44

All: 197.467 $\pm$ 0.020 χ^2 /NDF: 6331801.1/91

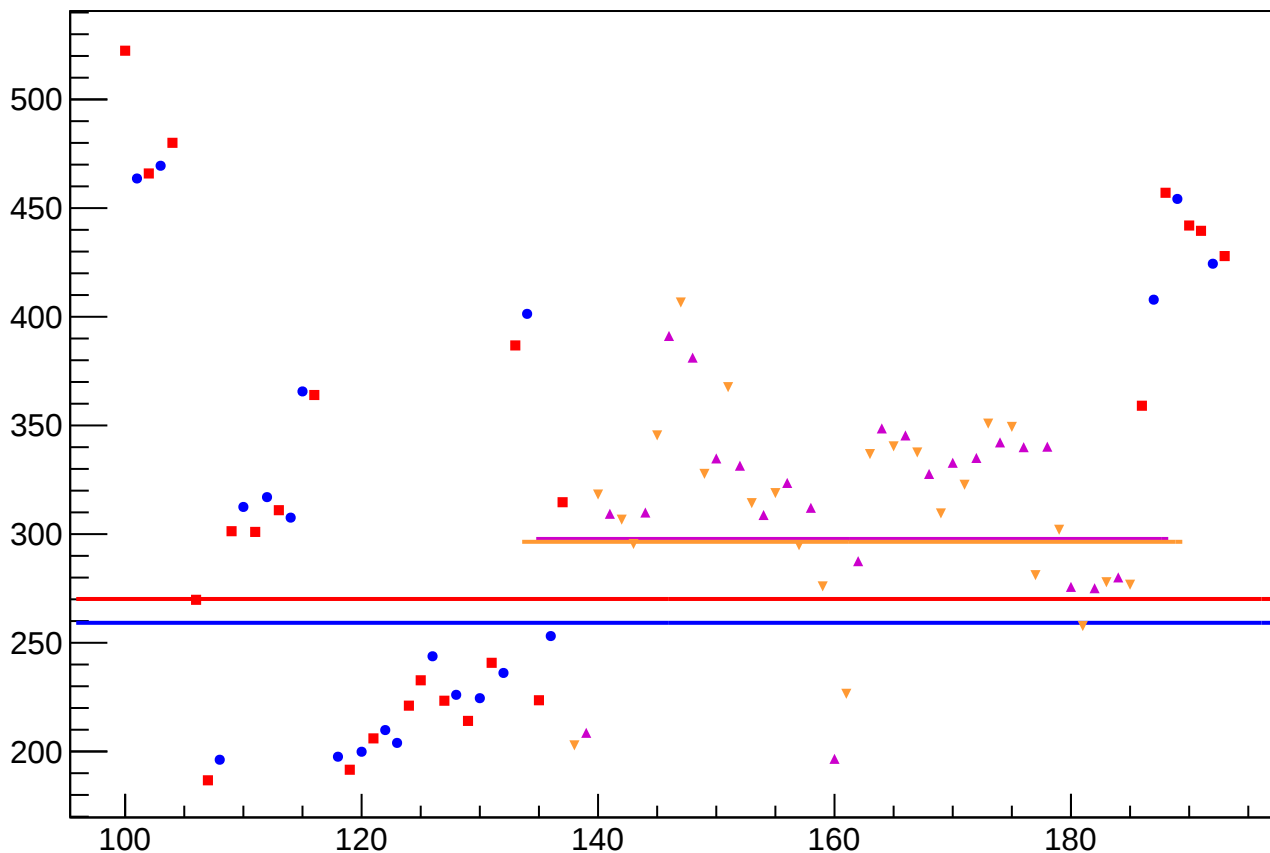
- sign 195.480 $\pm$ 0.028 χ^2 /NDF: 3476800.9/46

yield_bpm0r03WS_mean vs Slug



Right In: 140170.839 $\pm$ 0.096	χ^2 /NDF: 1405037986.4/19	+ sign 139181.699 $\pm$ 0.057	χ^2 /NDF: 4116253043.3
Left Out: 138646.366 $\pm$ 0.071	χ^2 /NDF: 2548637600.4/24	All: 139093.398 $\pm$ 0.041	χ^2 /NDF: 788115463
Right Out: 139663.008 $\pm$ 0.093	χ^2 /NDF: 1729964759.5/23	- sign 139003.023 $\pm$ 0.058	χ^2 /NDF: 3760057544.7/
Left In: 138588.711 $\pm$ 0.074	χ^2 /NDF: 1948065195.1/22		

yield_bpm0r03WS_rms vs Slug



Right In: 259.193 $\pm$ 0.068 χ^2 /NDF: 1393472.4/19

Left Out: 296.464 $\pm$ 0.050 χ^2 /NDF:893579.7/24

Right Out: 270.159 $\pm$ 0.066 χ^2 /NDF: 1806377.1/23

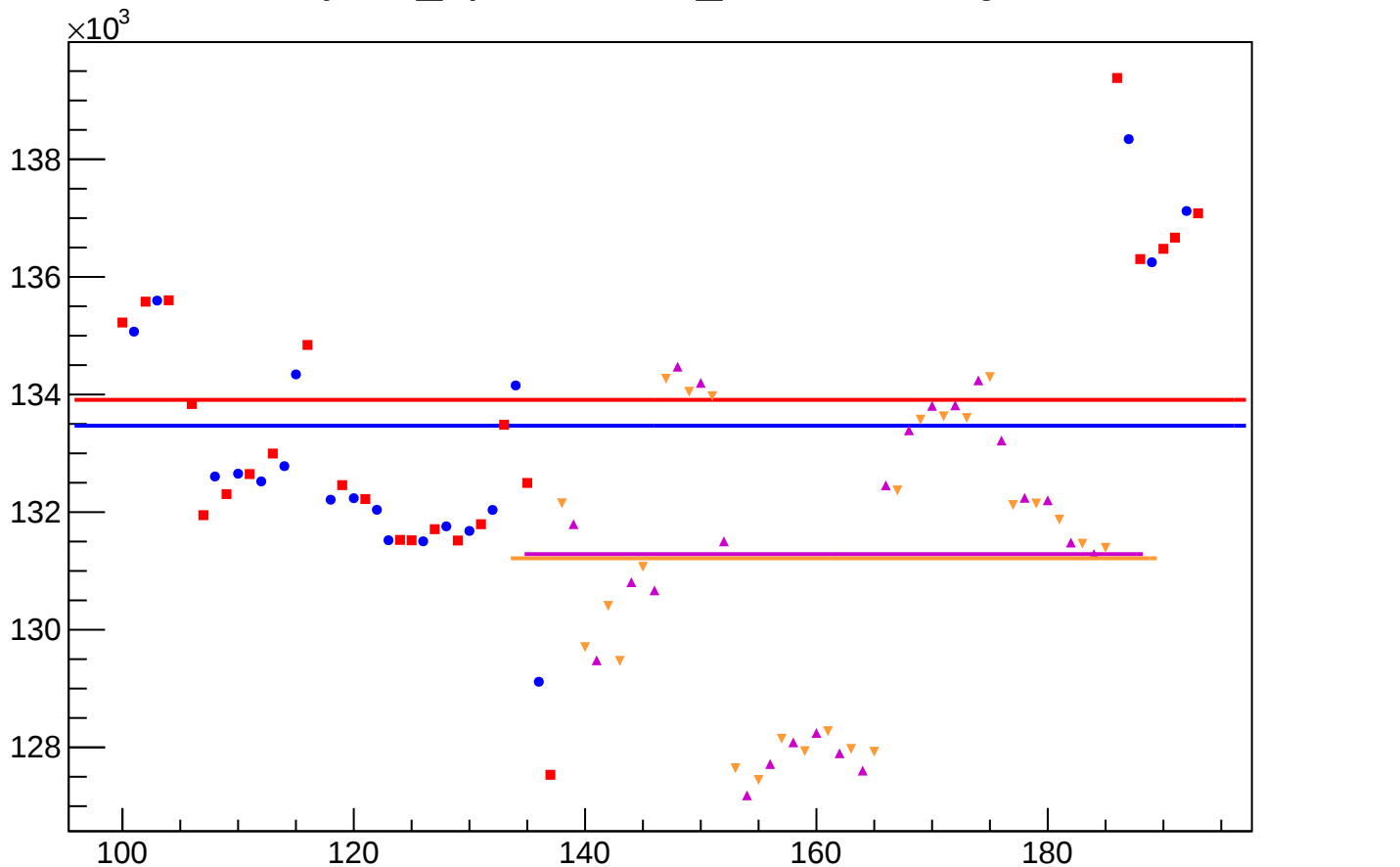
Left In: 297.774 $\pm$ 0.052 χ^2 /NDF:1061489.5/22

+ sign 283.376 $\pm$ 0.040 χ^2 /NDF: 2481409.3/44

All: 285.229 $\pm$ 0.029 χ^2 /NDF: 5461940.3/91

- sign 287.124 $\pm$ 0.041 χ^2 /NDF: 2976268.1/46

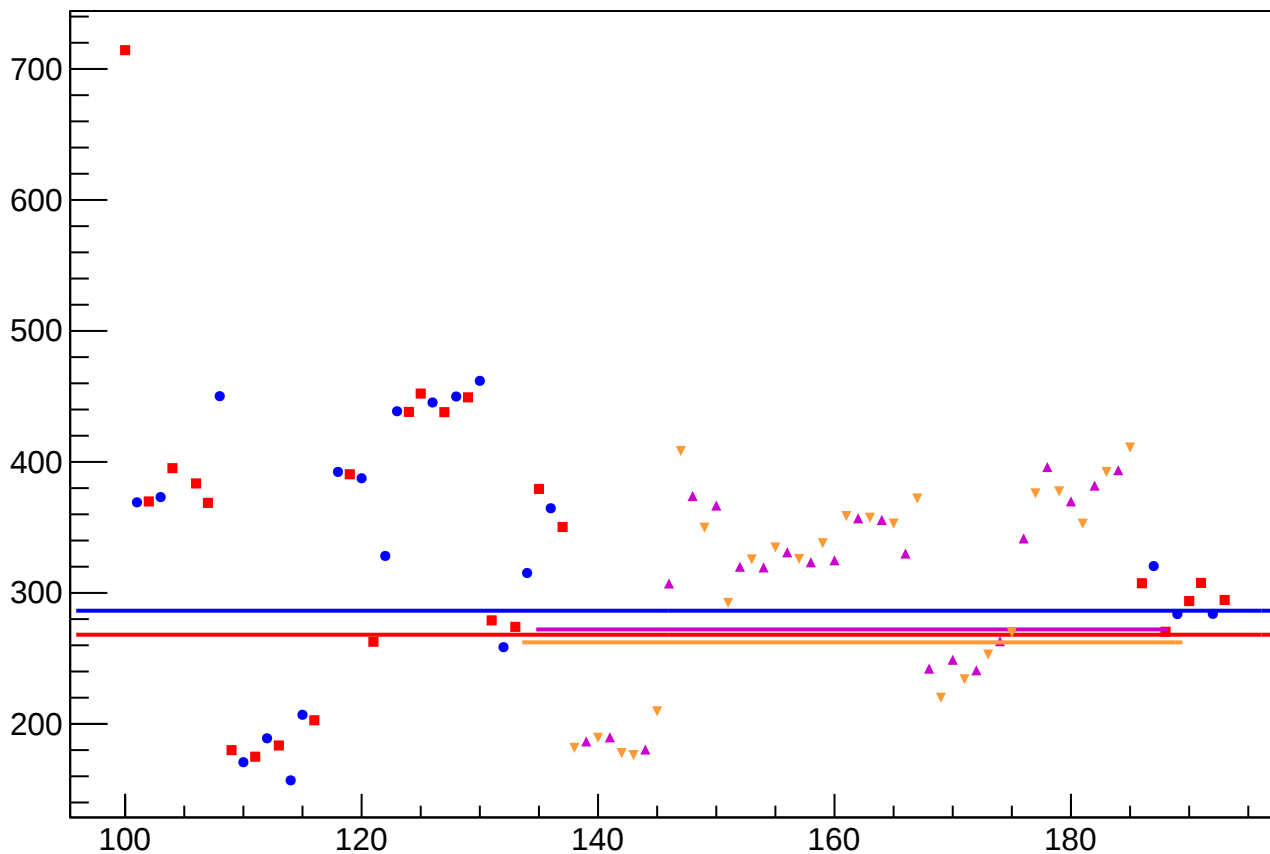
yield_bpm0r05WS_mean vs Slug



Right In: 133469.017 ± 0.106 $\chi^2/\text{NDF}: 448681047.0/19$
 Left Out: 131214.985 ± 0.064 $\chi^2/\text{NDF}: 1173424494.6/24$
 Right Out: 133909.721 ± 0.092 $\chi^2/\text{NDF}: 565230042.9/23$
 Left In: 131285.623 ± 0.068 $\chi^2/\text{NDF}: 1056232192.1/22$

+ sign 131818.535 ± 0.055 $\chi^2/\text{NDF}: 1950984534.1$
 All: 132018.294 ± 0.039 $\chi^2/\text{NDF}: 41220799$
 - sign 132216.960 ± 0.055 $\chi^2/\text{NDF}: 2144819000.6$

yield_bpm0r05WS_rms vs Slug



Right In: 286.415 ± 0.075 χ^2/NDF : 1517502.8/19

Left Out: 262.260 ± 0.045 χ^2/NDF : 2818169.1/24

Right Out: 268.087 ± 0.065 χ^2/NDF : 1660145.0/23

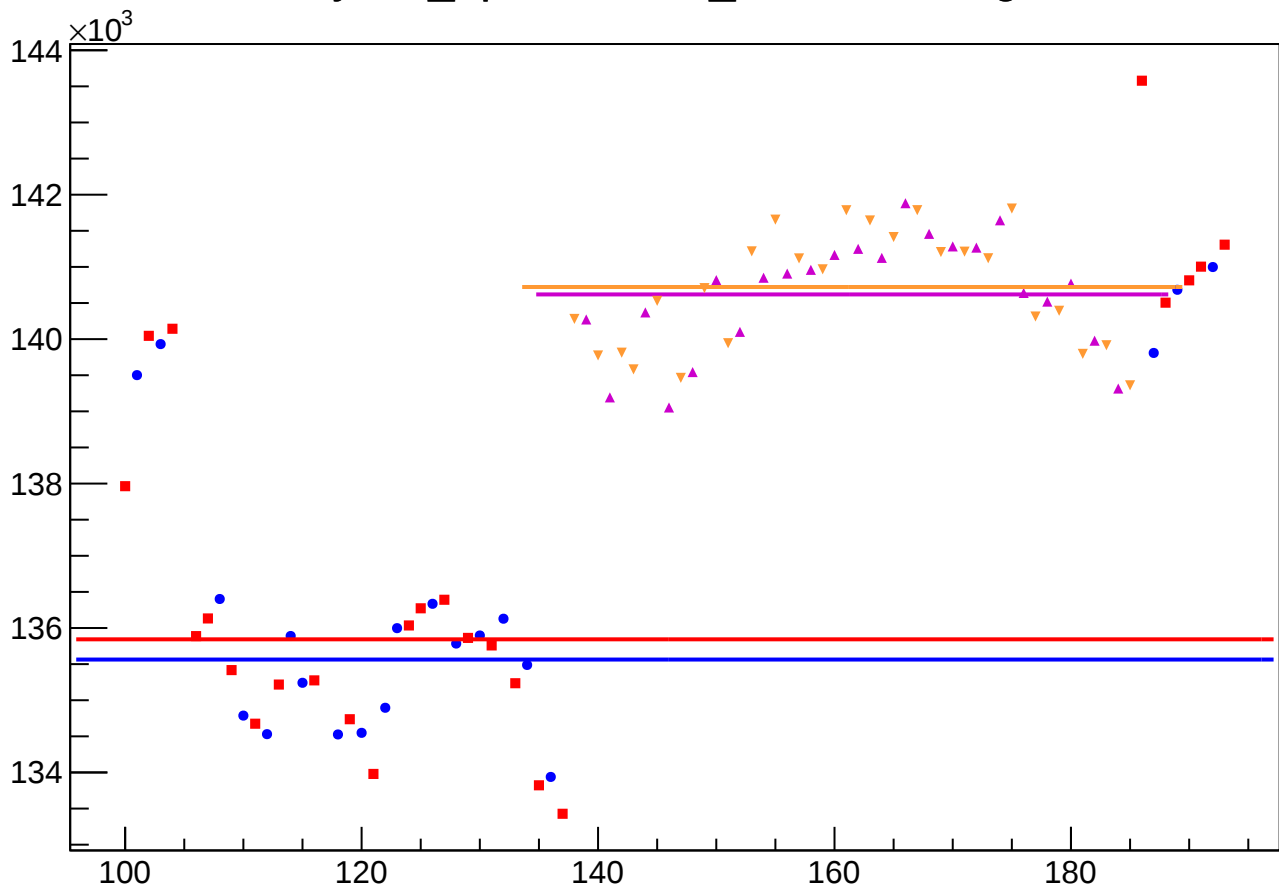
Left In: 272.115 ± 0.048 χ^2/NDF : 2221925.0/22

+ sign 268.728 ± 0.039 χ^2/NDF : 4411211.8/44

All: 269.709 ± 0.027 χ^2/NDF : 8297016.4/91

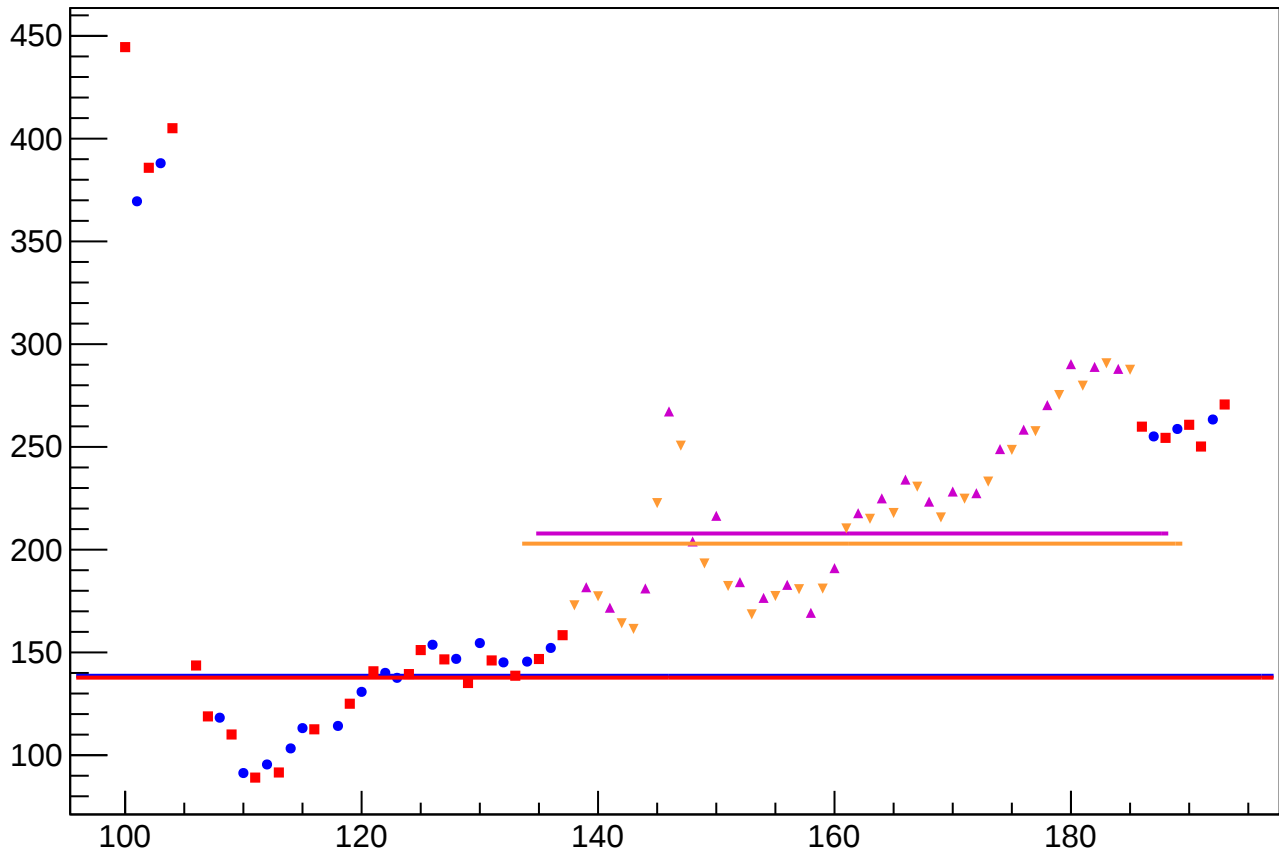
- sign 270.685 ± 0.039 χ^2/NDF : 3884536.1/46

yield_bpm0i02WS_mean vs Slug



Right In: 135563.411+/-0.053	χ^2/NDF : 1026089884.4/19	+ sign 138361.459+/-0.036	χ^2/NDF : 6469557820.0
Left Out: 140721.823+/-0.048	χ^2/NDF : 247257762.8/24	All: 138240.152+/-0.025	χ^2/NDF : 128860130
Right Out: 135843.357+/-0.049	χ^2/NDF : 1622496856.4/23	- sign 138121.343+/-0.035	χ^2/NDF : 6393538115.0
Left In: 140619.038+/-0.051	χ^2/NDF : 200370178.0/22		

yield_bpm0i02WS_rms vs Slug



Right In: 138.634 $\pm$ 0.037 χ^2 /NDF: 2092147.6/19

Left Out: 202.934 $\pm$ 0.034 χ^2 /NDF: 1052283.6/24

Right Out: 137.732 $\pm$ 0.034 χ^2 /NDF: 2683084.0/23

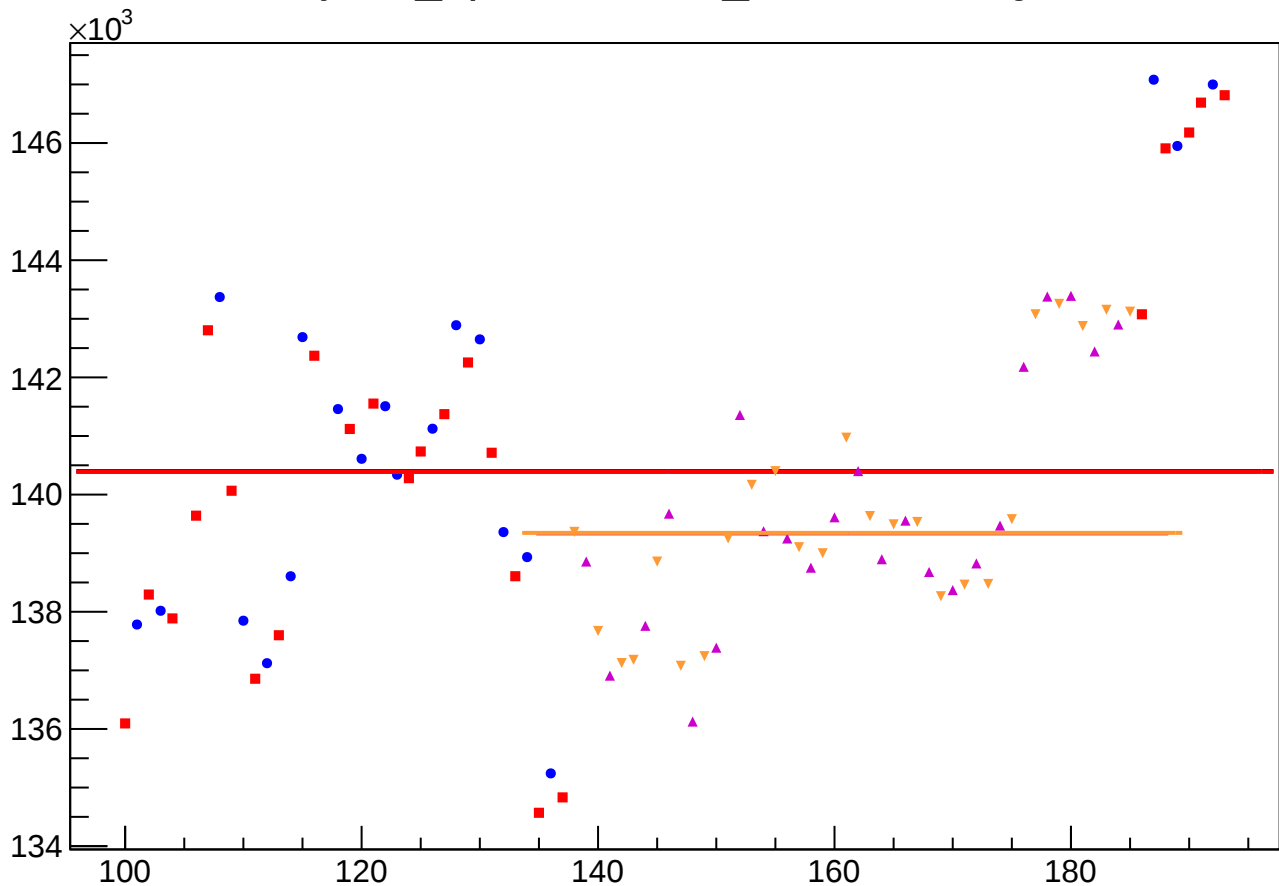
Left In: 207.872 $\pm$ 0.036 χ^2 /NDF: 949200.3/22

+ sign 173.512 $\pm$ 0.025 χ^2 /NDF: 4759179.0/44

All: 172.338 $\pm$ 0.018 χ^2 /NDF: 10367568.2/91

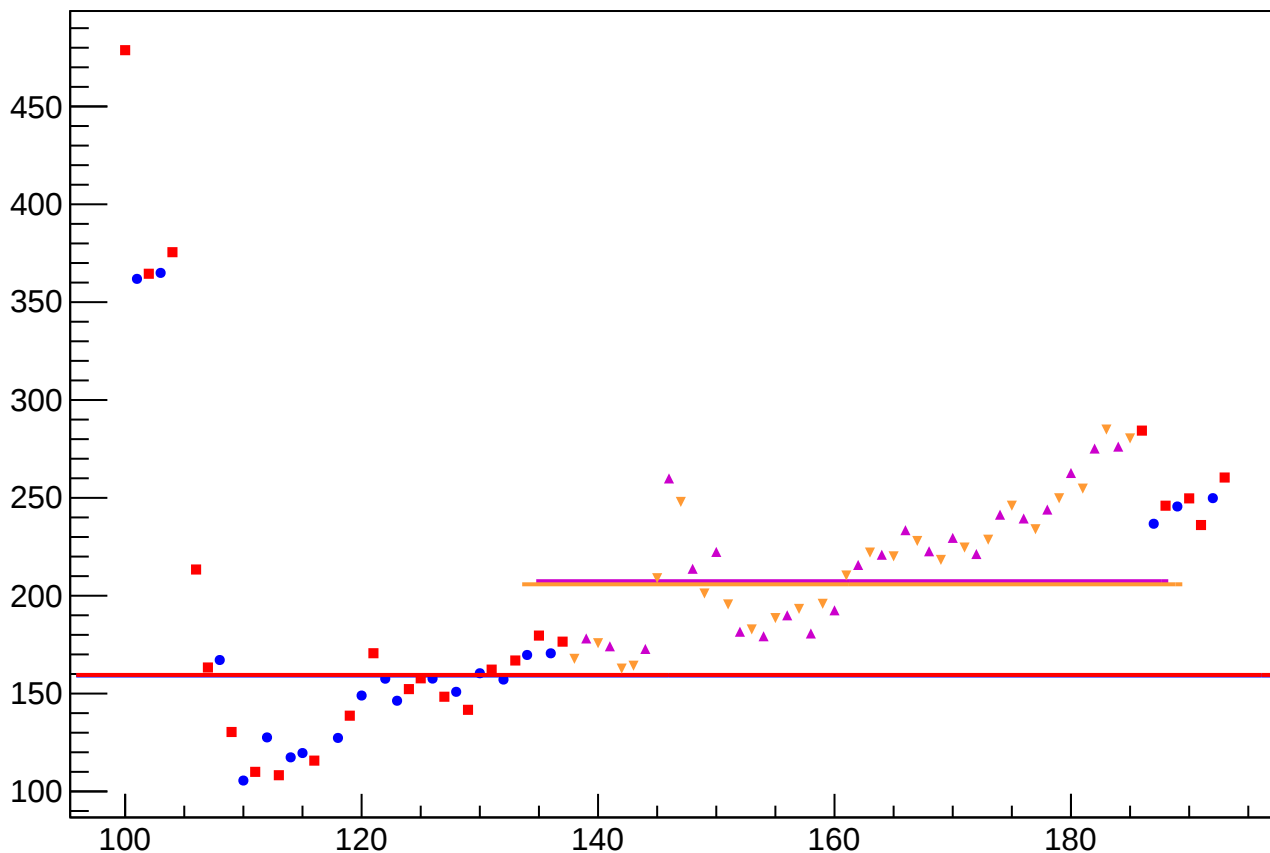
- sign 171.189 $\pm$ 0.025 χ^2 /NDF: 5604098.1/46

yield_bpm0i02aWS_mean vs Slug



Right In: 140401.112 $\pm$ 0.059 χ^2 /NDF: 2753363209.6/19
 Left Out: 139346.604 $\pm$ 0.049 χ^2 /NDF: 1271172976.7/24
 Right Out: 140386.365 $\pm$ 0.055 χ^2 /NDF: 2939888175.6/23
 Left In: 139337.874 $\pm$ 0.051 χ^2 /NDF: 1293003954.9/22
 + sign 139774.369 $\pm$ 0.038 χ^2 /NDF: 4212676034.4
 All: 139796.114 $\pm$ 0.027 χ^2 /NDF: 864080177
 - sign 139817.511 $\pm$ 0.037 χ^2 /NDF: 4427467396.5

yield_bpm0i02aWS_rms vs Slug



Right In: 159.228 $\pm$ 0.042 χ^2 /NDF: 1474327.9/19

Left Out: 205.833 $\pm$ 0.035 χ^2 /NDF: 738666.4/24

Right Out: 159.525 $\pm$ 0.039 χ^2 /NDF: 2012870.8/23

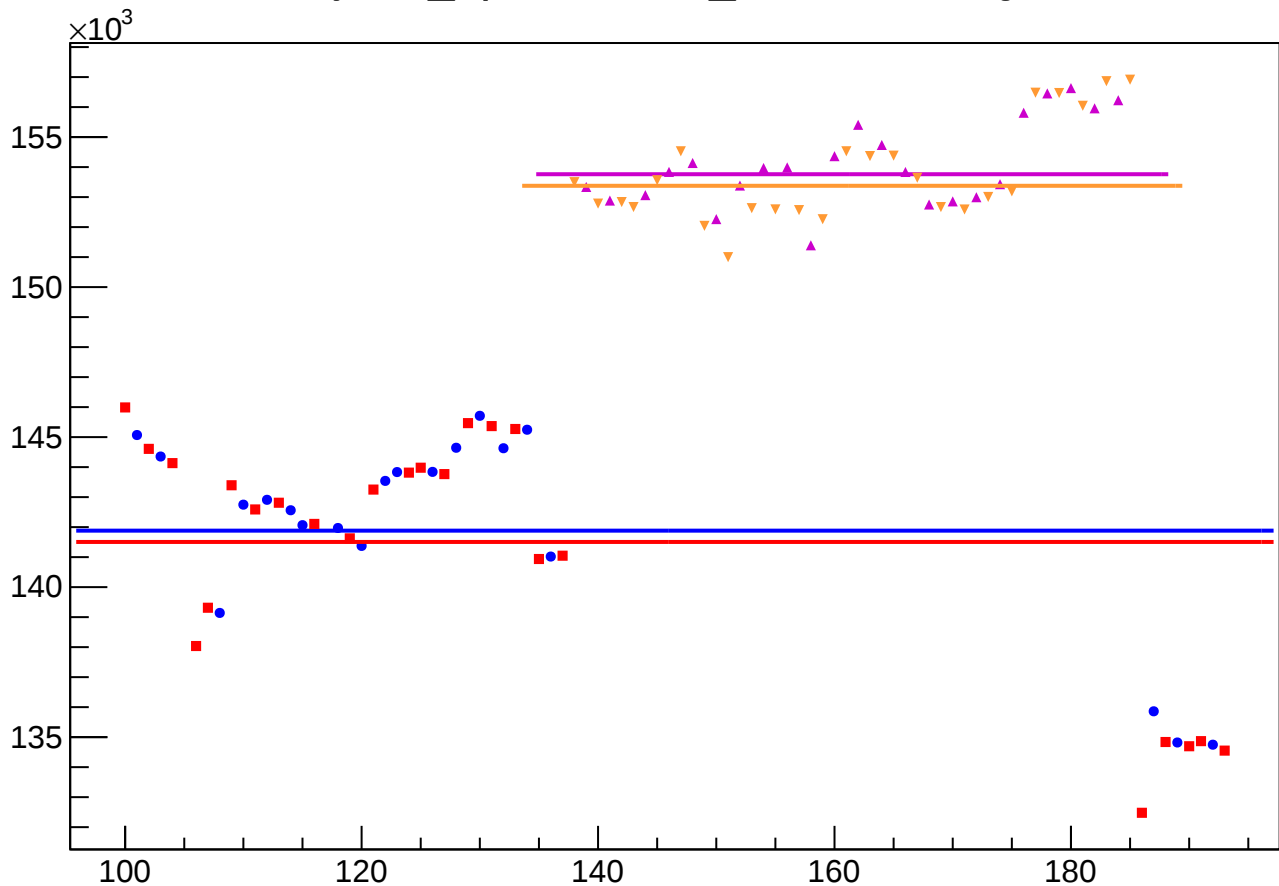
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 186.927 $\pm$ 0.027 χ^2 /NDF: 2947973.9/44

All: 186.212 $\pm$ 0.019 χ^2 /NDF: 6476116.8/91

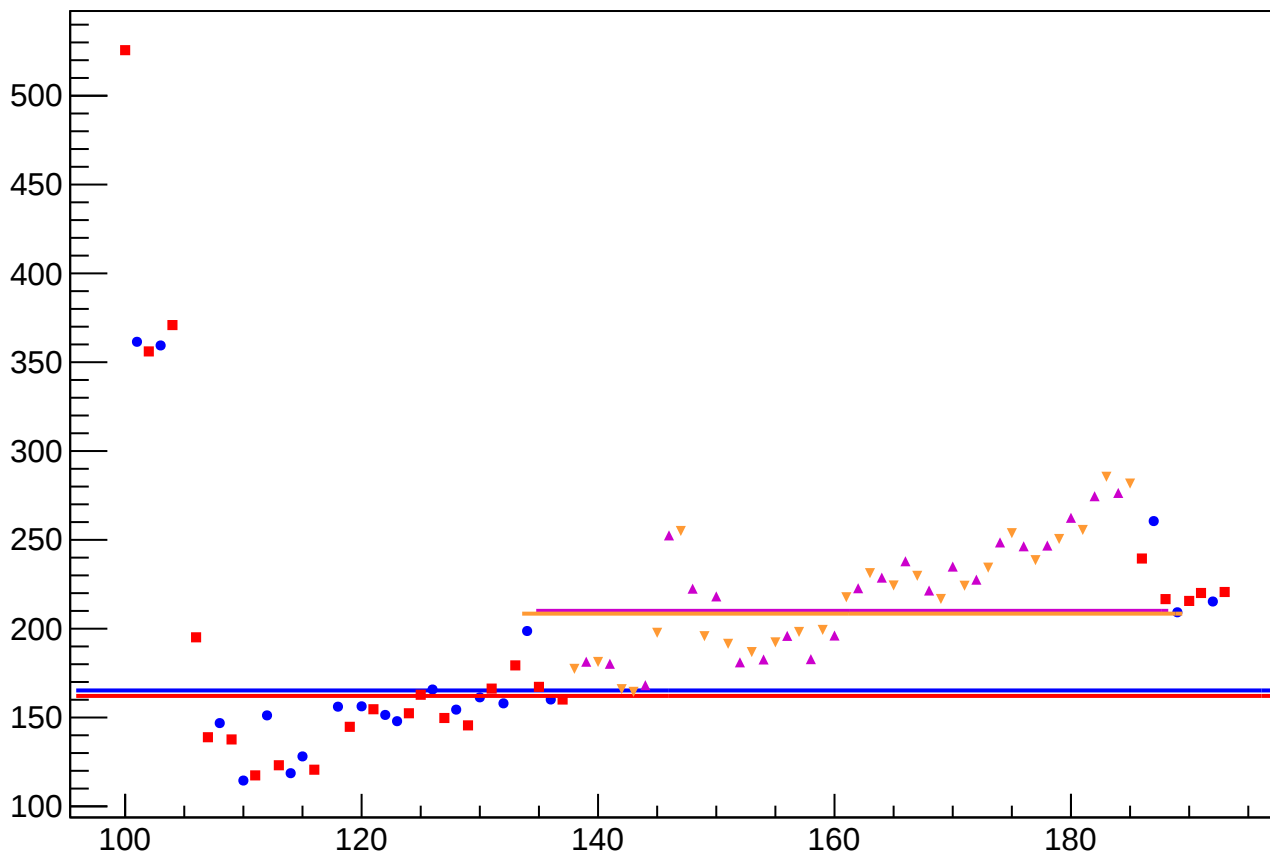
- sign 185.508 $\pm$ 0.026 χ^2 /NDF: 3526718.2/46

yield_bpm0i05WS_mean vs Slug



Right In: 141882.674 $\pm$ 0.061 χ^2 /NDF: 2575546609.3/19
 Left Out: 153376.698 $\pm$ 0.050 χ^2 /NDF: 803848095.1/24
 Right Out: 141506.053 $\pm$ 0.055 χ^2 /NDF: 3970477552.5/23
 Left In: 153762.419 $\pm$ 0.051 χ^2 /NDF: 635075685.0/22
 All: 148429.271 $\pm$ 0.027 χ^2 /NDF: 559474030
 + sign 148786.913 $\pm$ 0.038 χ^2 /NDF: 24878794773.
 - sign 148084.568 $\pm$ 0.038 χ^2 /NDF: 30898190095.0

yield_bpm0i05WS_rms vs Slug



Right In: 165.234 $\pm$ 0.043 χ^2 /NDF: 1087033.3/19

Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24

Right Out: 162.156 $\pm$ 0.039 χ^2 /NDF: 1433101.7/23

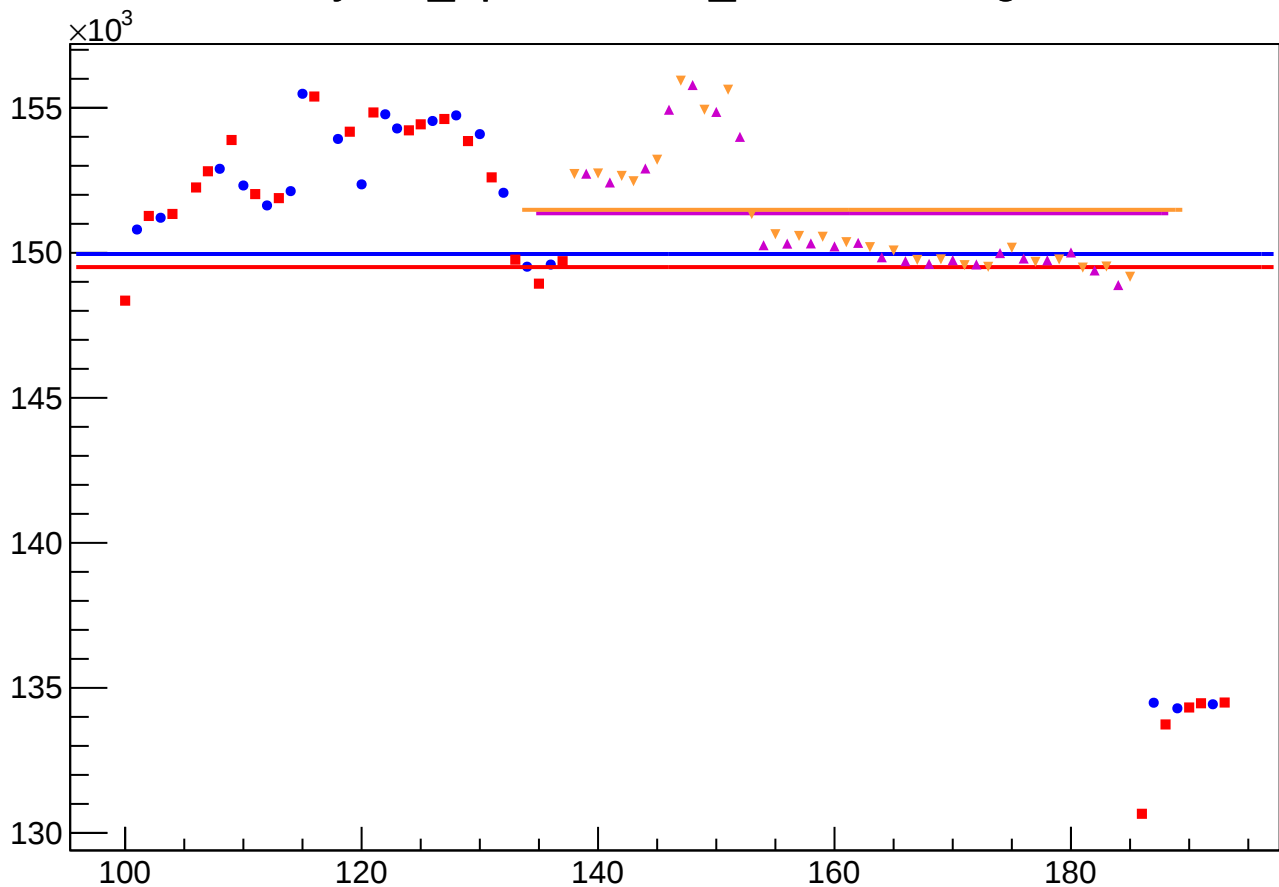
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 191.202 $\pm$ 0.027 χ^2 /NDF: 2416239.1/44

All: 189.499 $\pm$ 0.019 χ^2 /NDF: 5362000.5/91

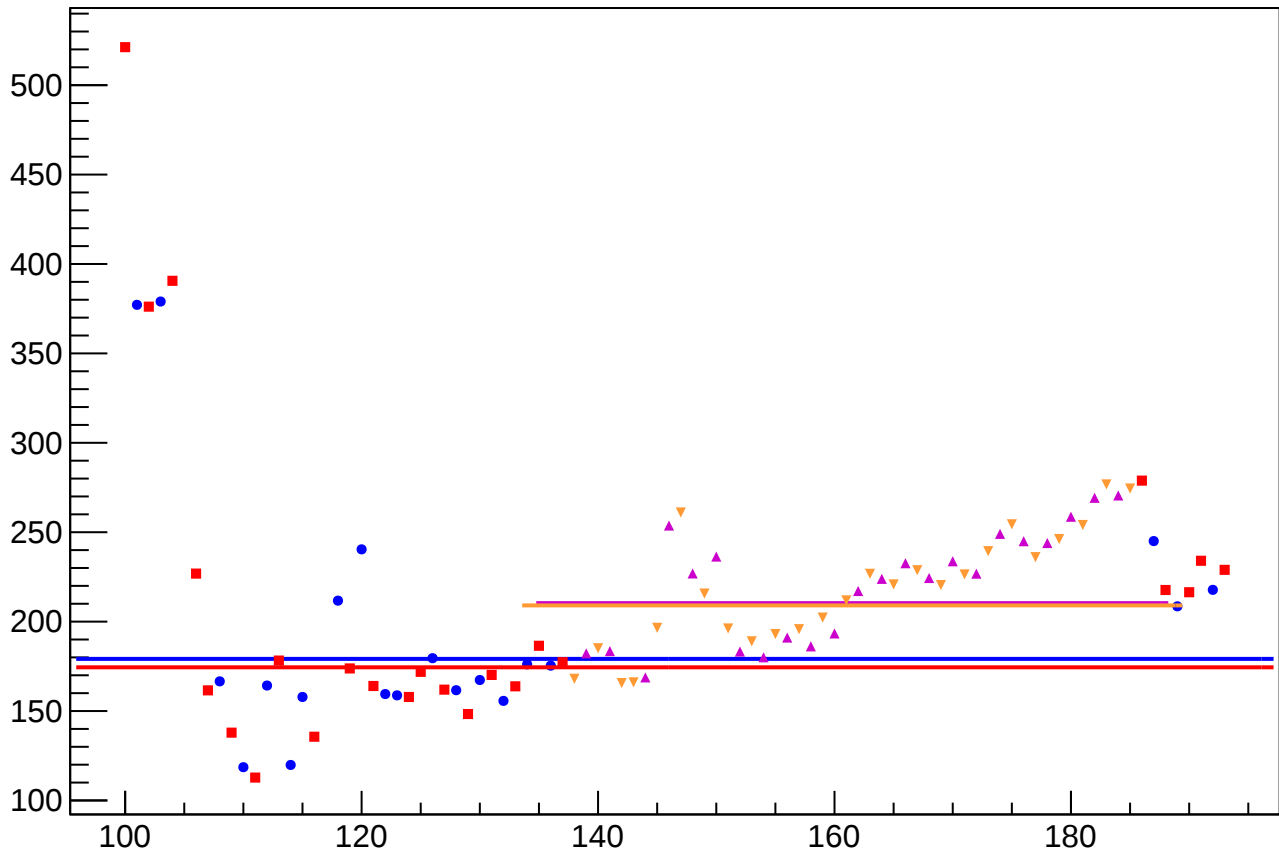
- sign 187.856 $\pm$ 0.027 χ^2 /NDF: 2938025.5/46

yield_bpm0i07WS_mean vs Slug



Right In: 149959.670 $\pm$ 0.067	χ^2 /NDF: 9838992169.2/19	+ sign 150943.147 $\pm$ 0.040	χ^2 /NDF: 11656551029.
Left Out: 151483.385 $\pm$ 0.050	χ^2 /NDF: 1481910066.9/24	All: 150758.300 $\pm$ 0.028	χ^2 /NDF: 290334694
Right Out: 149508.392 $\pm$ 0.060	χ^2 /NDF: 15363089654.2/23	- sign 150580.041 $\pm$ 0.039	χ^2 /NDF: 17334517028.3
Left In: 151363.165 $\pm$ 0.051	χ^2 /NDF: 1421662089.0/22		

yield_bpm0i07WS_rms vs Slug



Right In: 179.170 $\pm$ 0.047 χ^2 /NDF: 1057917.3/19

Left Out: 209.076 $\pm$ 0.035 χ^2 /NDF: 708260.3/24

Right Out: 174.455 $\pm$ 0.043 χ^2 /NDF: 1406358.3/23

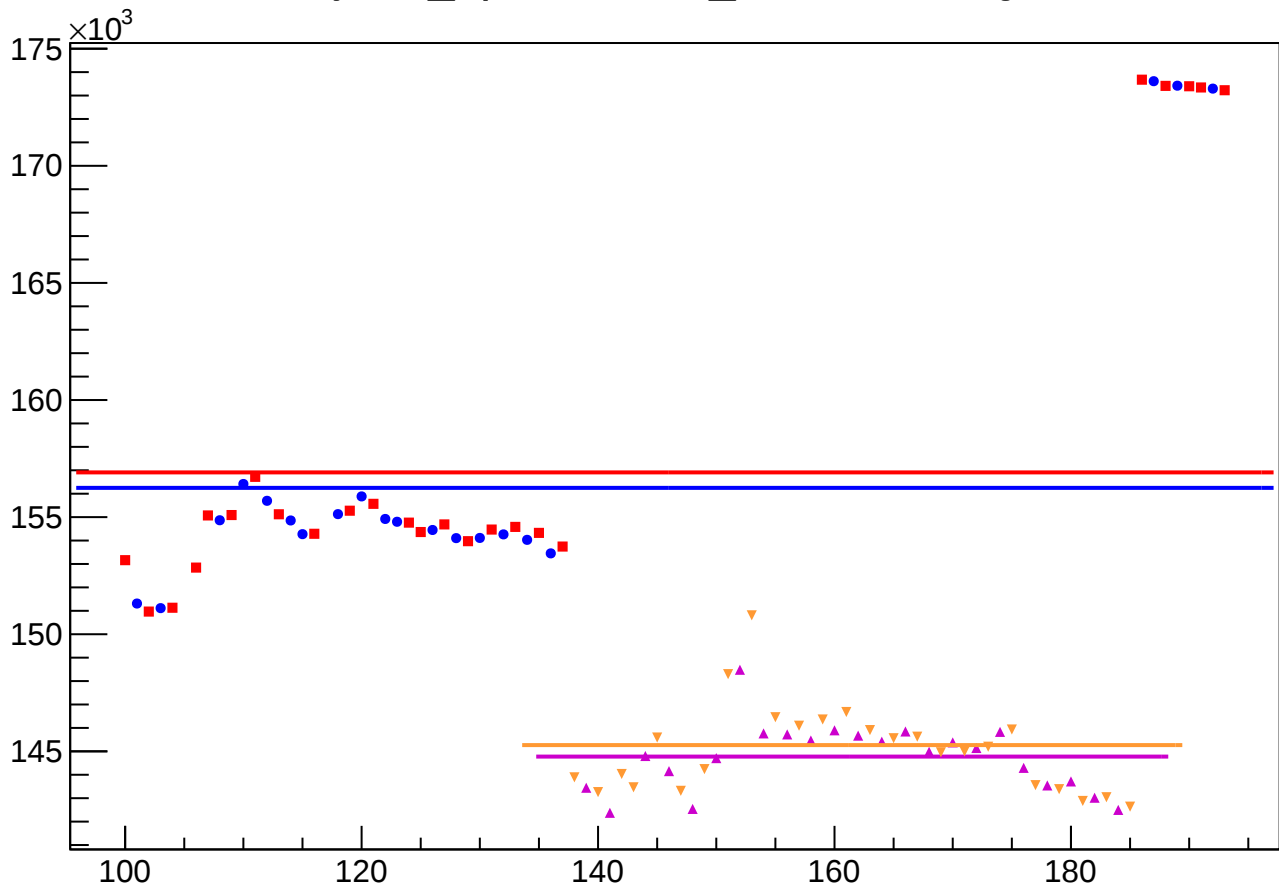
Left In: 210.345 $\pm$ 0.036 χ^2 /NDF: 677747.7/22

+ sign 198.473 $\pm$ 0.028 χ^2 /NDF: 2024773.9/44

All: 196.802 $\pm$ 0.020 χ^2 /NDF: 4527484.0/91

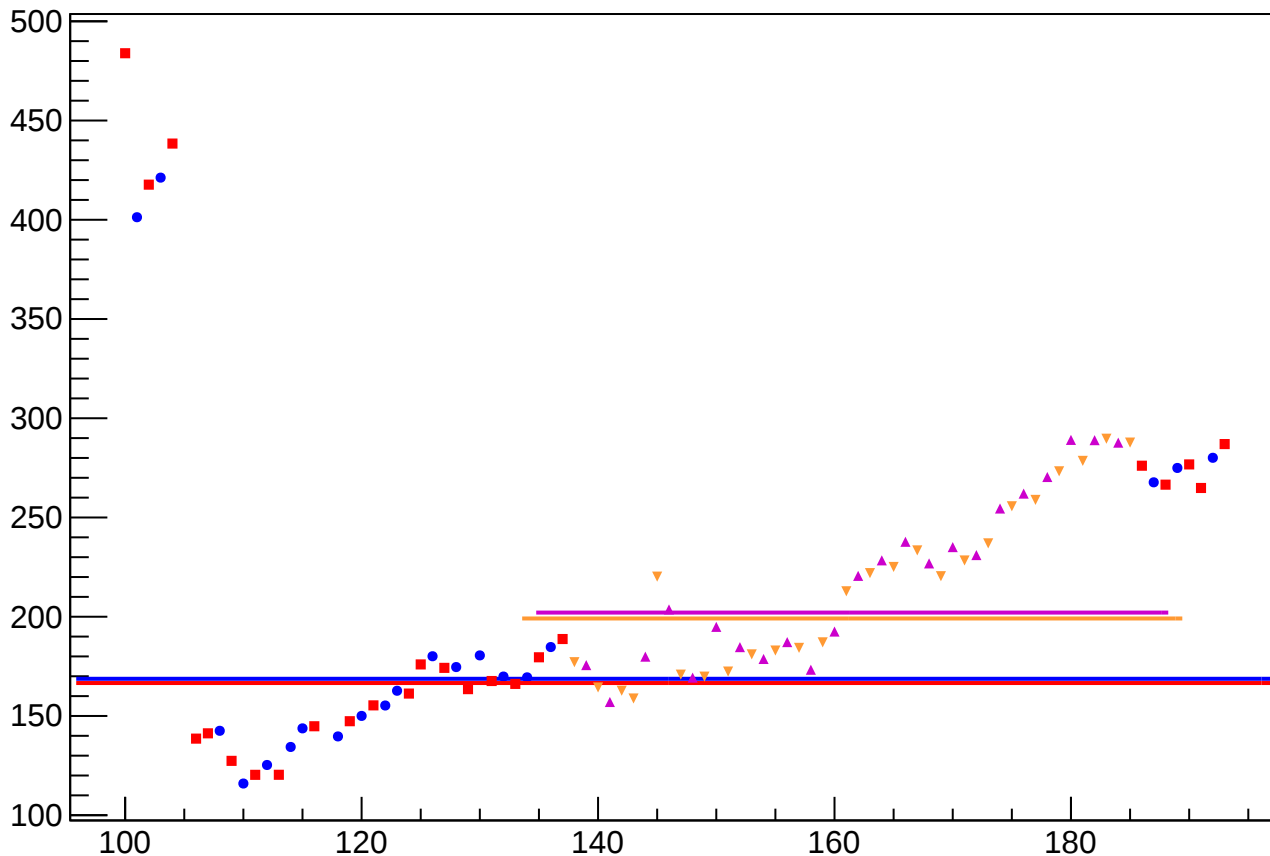
- sign 195.192 $\pm$ 0.028 χ^2 /NDF: 2495785.4/46

yield_bpm1i02WS_mean vs Slug



Right In: 156249.468+/-0.063	χ^2/NDF : 6614599531.0/19	+ sign 149248.733+/-0.038	χ^2/NDF : 27802621495.
Left Out: 145266.717+/-0.047	χ^2/NDF : 1717707352.7/24	All: 149607.833+/-0.027	χ^2/NDF : 652582313
Right Out: 156909.666+/-0.057	χ^2/NDF : 10746560517.3/23	- sign 149960.637+/-0.038	χ^2/NDF : 37277058366.0
Left In: 144776.016+/-0.050	χ^2/NDF : 918120275.4/22		

yield_bpm1i02WS_rms vs Slug



Right In: 168.734 $\pm$ 0.044 χ^2 /NDF: 1641571.1/19

Left Out: 199.118 $\pm$ 0.034 χ^2 /NDF:1152231.0/24

Right Out: 166.594 $\pm$ 0.041 χ^2 /NDF: 2066533.5/23

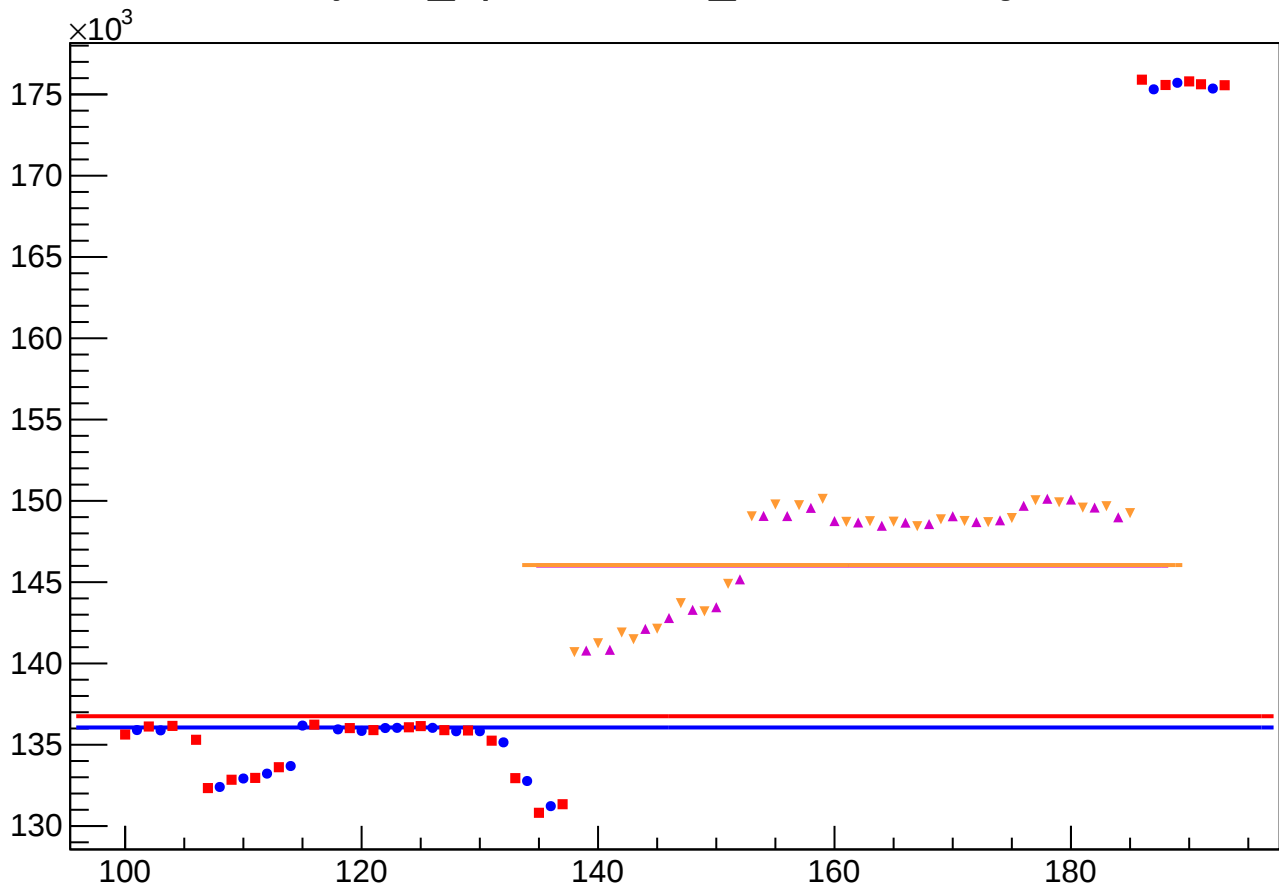
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 188.102 $\pm$ 0.027 χ^2 /NDF: 3091830.9/44

All: 187.507 $\pm$ 0.019 χ^2 /NDF: 6655574.9/91

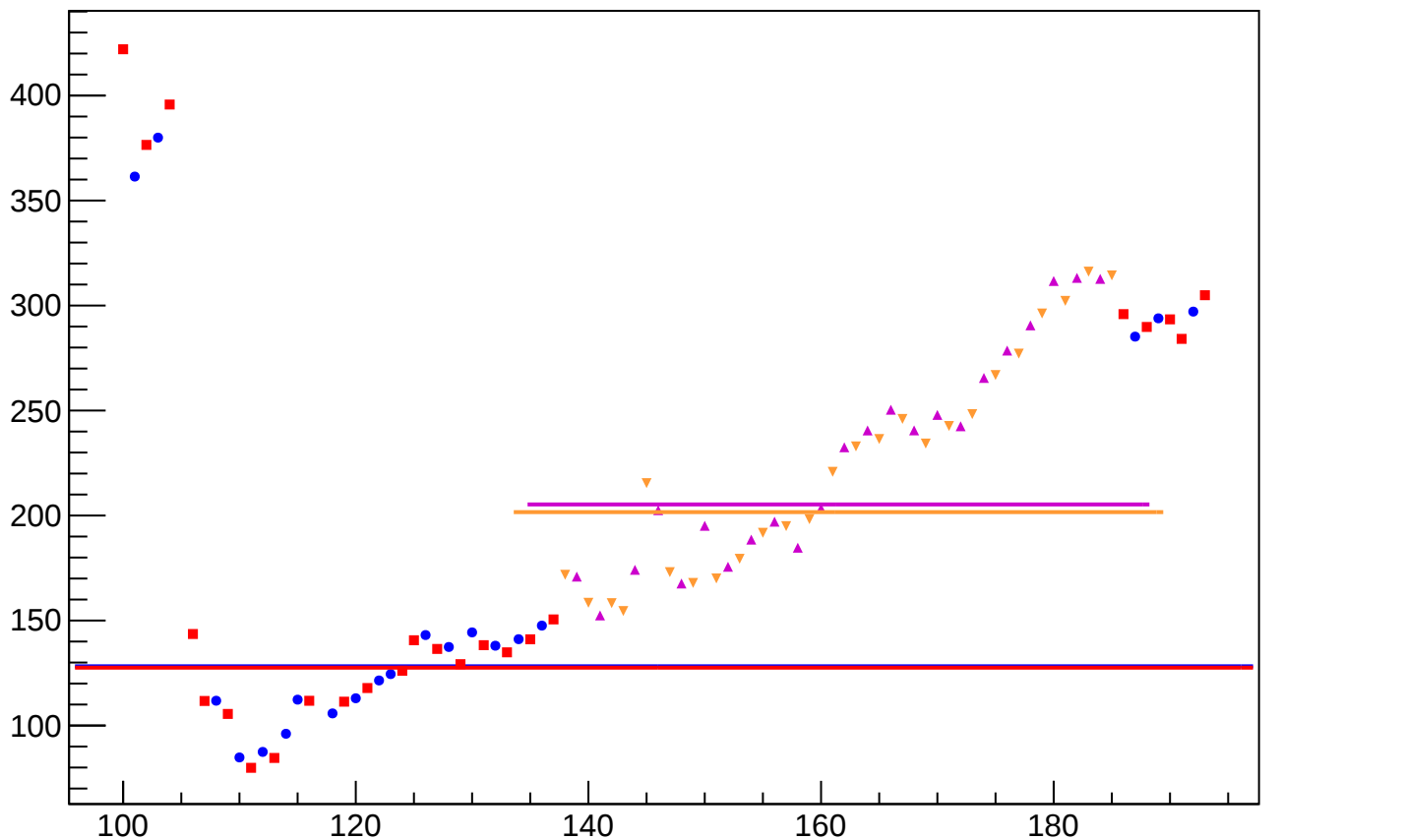
- sign 186.923 $\pm$ 0.027 χ^2 /NDF: 3562764.5/46

yield_bpm1i04WS_mean vs Slug



Right In: 136062.394+/-0.049	χ^2/NDF : 29763326092.7/19	+ sign 141159.490+/-0.035	χ^2/NDF : 56111357375.
Left Out: 146051.733+/-0.048	χ^2/NDF : 5403300123.1/24	All: 141044.121+/-0.024	χ^2/NDF : 128126894
Right Out: 136754.030+/-0.046	χ^2/NDF : 49026797261.9/23	- sign 140932.019+/-0.034	χ^2/NDF : 71993494651.0
Left In: 146020.015+/-0.051	χ^2/NDF : 4591425371.4/22		

yield_bpm1i04WS_rms vs Slug



Right In: 128.218 $\pm$ 0.035 χ^2 /NDF: 2489223.2/19

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 127.563 $\pm$ 0.032 χ^2 /NDF: 3298876.8/23

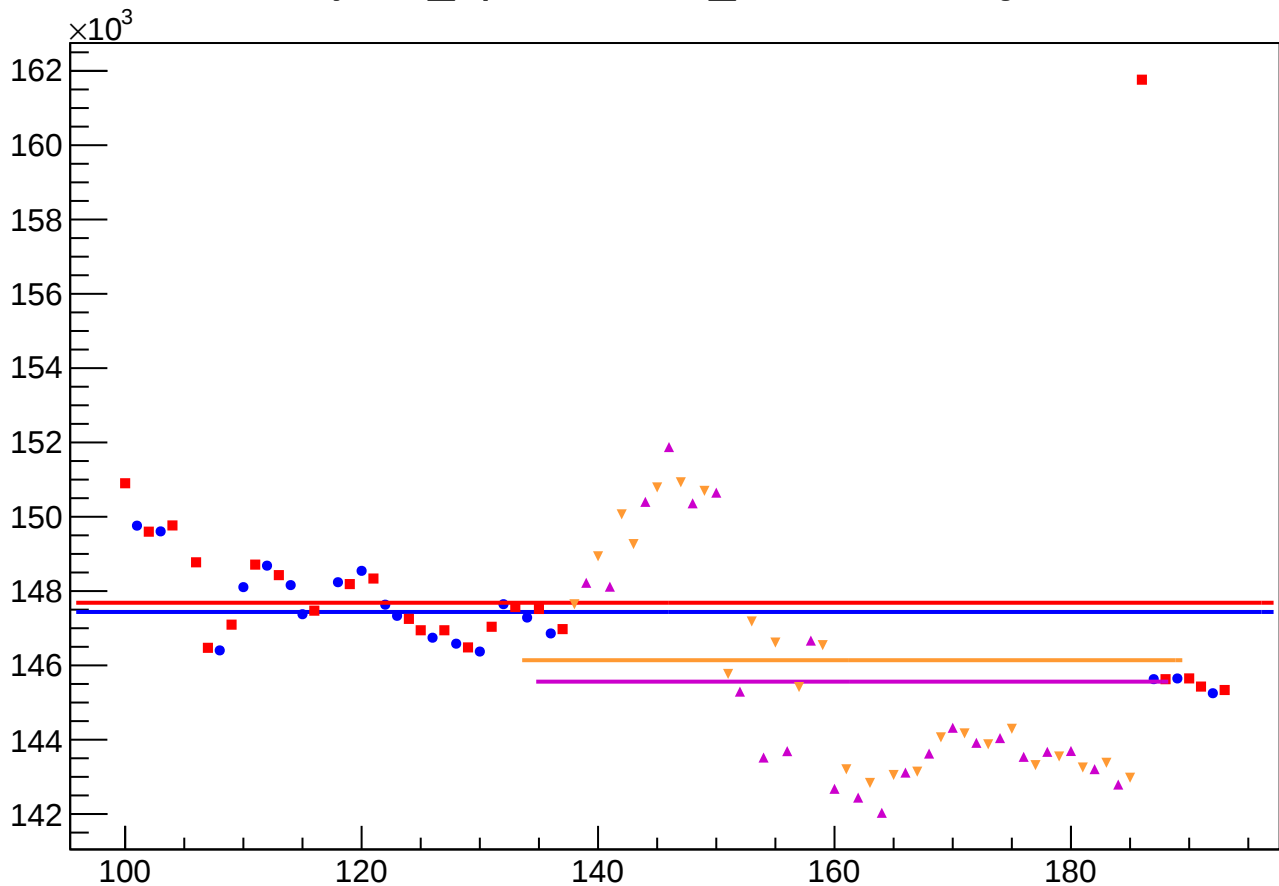
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 165.677 $\pm$ 0.024 χ^2 /NDF: 6341272.6/44

All: 164.121 $\pm$ 0.017 χ^2 /NDF: 13659222.3/91

- sign 162.608 $\pm$ 0.024 χ^2 /NDF: 7309921.7/46

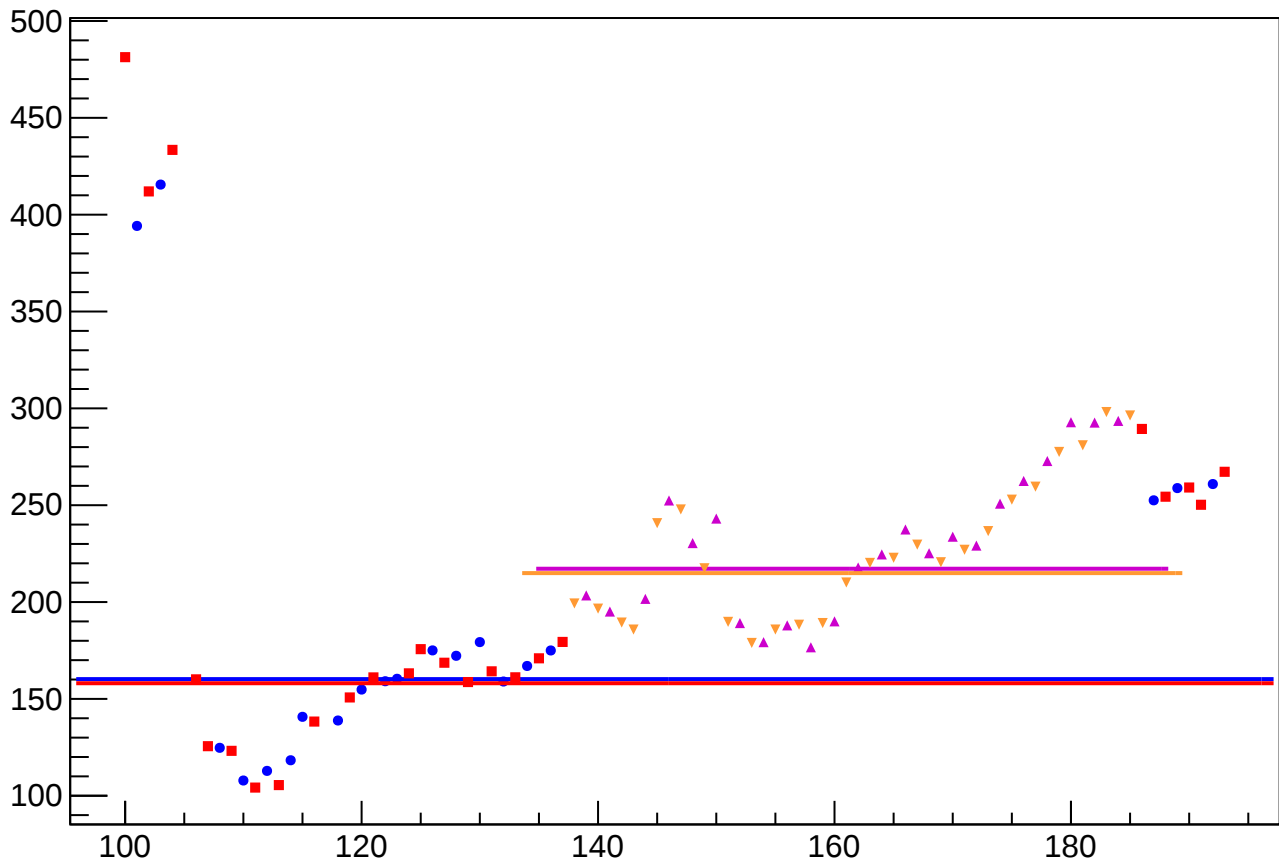
yield_bpm1i06WS_mean vs Slug



Right In: 147437.686 $\pm$ 0.060 χ^2 /NDF: 301004541.0/19
 Left Out: 146139.326 $\pm$ 0.051 χ^2 /NDF: 2699546907.6/24
 Right Out: 147685.771 $\pm$ 0.055 χ^2 /NDF: 1255474390.2/23
 Left In: 145562.386 $\pm$ 0.053 χ^2 /NDF: 3054641996.0/22

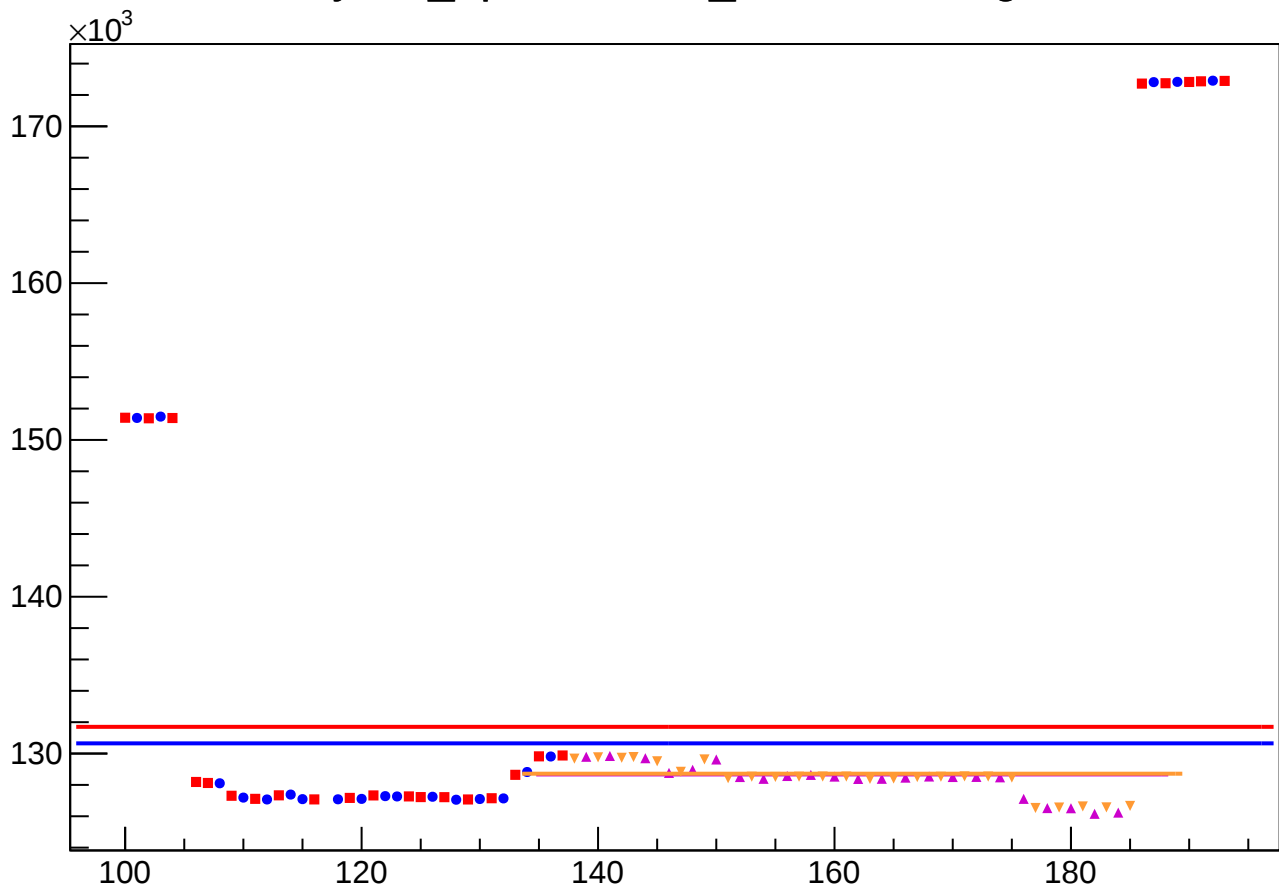
+ sign 146683.108 $\pm$ 0.039 χ^2 /NDF: 3273003808.9
 All: 146634.206 $\pm$ 0.027 χ^2 /NDF: 835870509
 - sign 146586.882 $\pm$ 0.038 χ^2 /NDF: 5082576772.6/

yield_bpm1i06WS_rms vs Slug



Right In: 160.216+/-0.042	χ^2/NDF : 1748491.1/19	+ sign 192.023+/-0.027	χ^2/NDF : 3445203.2/44
Left Out: 214.945+/-0.036	χ^2/NDF : 728515.5/24	All: 190.324+/-0.019	χ^2/NDF : 7708104.1/91
Right Out: 158.085+/-0.039	χ^2/NDF : 2292998.5/23	- sign 188.680+/-0.027	χ^2/NDF : 4255355.7/46
Left In: 217.203+/-0.038	χ^2/NDF : 764798.3/22		

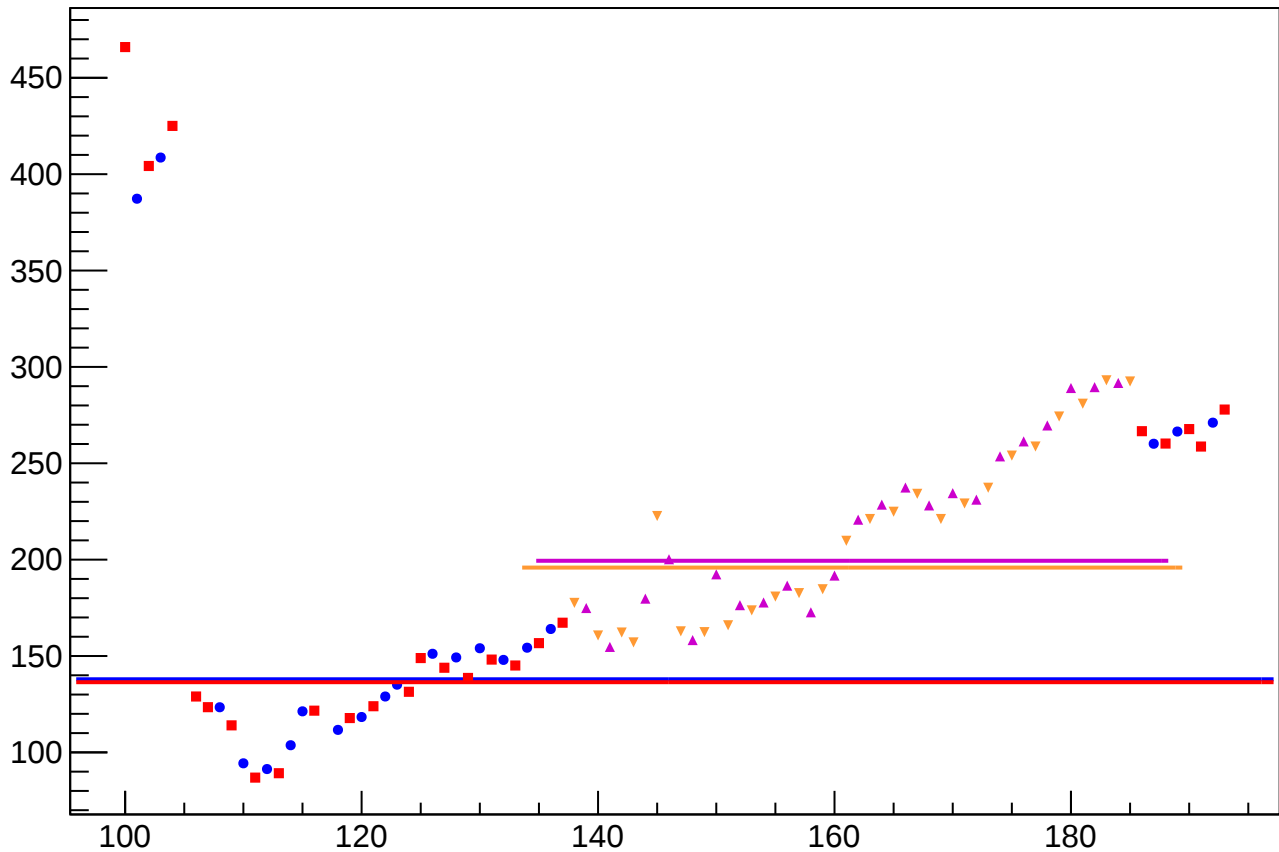
yield_bpm2i01WS_mean vs Slug



Right In: 130649.619 $\pm$ 0.053 χ^2 /NDF: 44615945813.5/19
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 131703.039 $\pm$ 0.048 χ^2 /NDF: 70438744437.2/23
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22

+ sign 129567.538 $\pm$ 0.035 χ^2 /NDF: 45721084496.
 All: 129893.328 $\pm$ 0.024 χ^2 /NDF: 118614563.
 - sign 130208.920 $\pm$ 0.034 χ^2 /NDF: 72722119673.7

yield_bpm2i01WS_rms vs Slug



Right In: 137.929 $\pm$ 0.037 χ^2 /NDF: 2254410.2/19

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 136.417 $\pm$ 0.034 χ^2 /NDF: 2865771.6/23

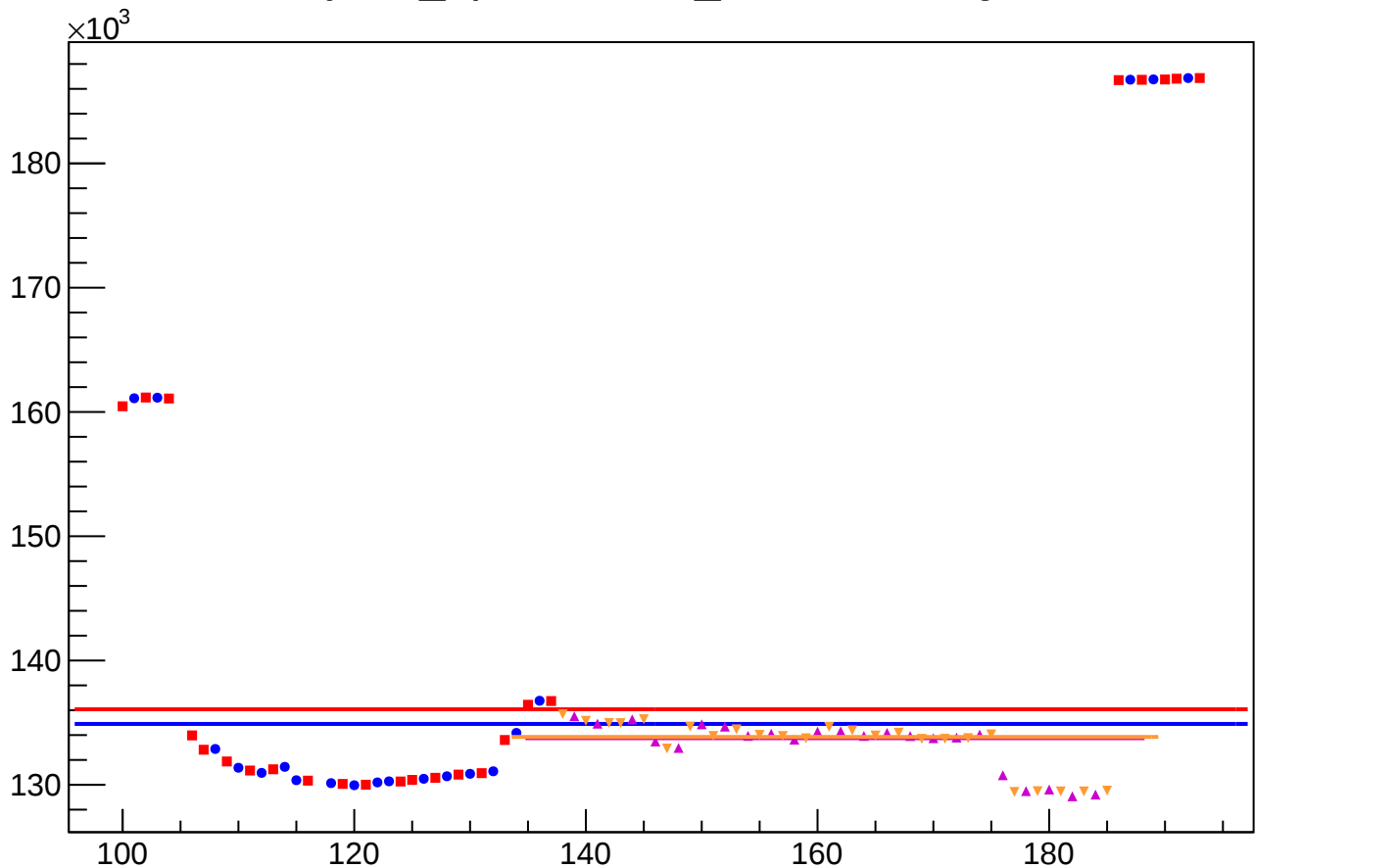
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 170.336 $\pm$ 0.025 χ^2 /NDF: 4925627.6/44

All: 168.854 $\pm$ 0.017 χ^2 /NDF: 10643582.5/91

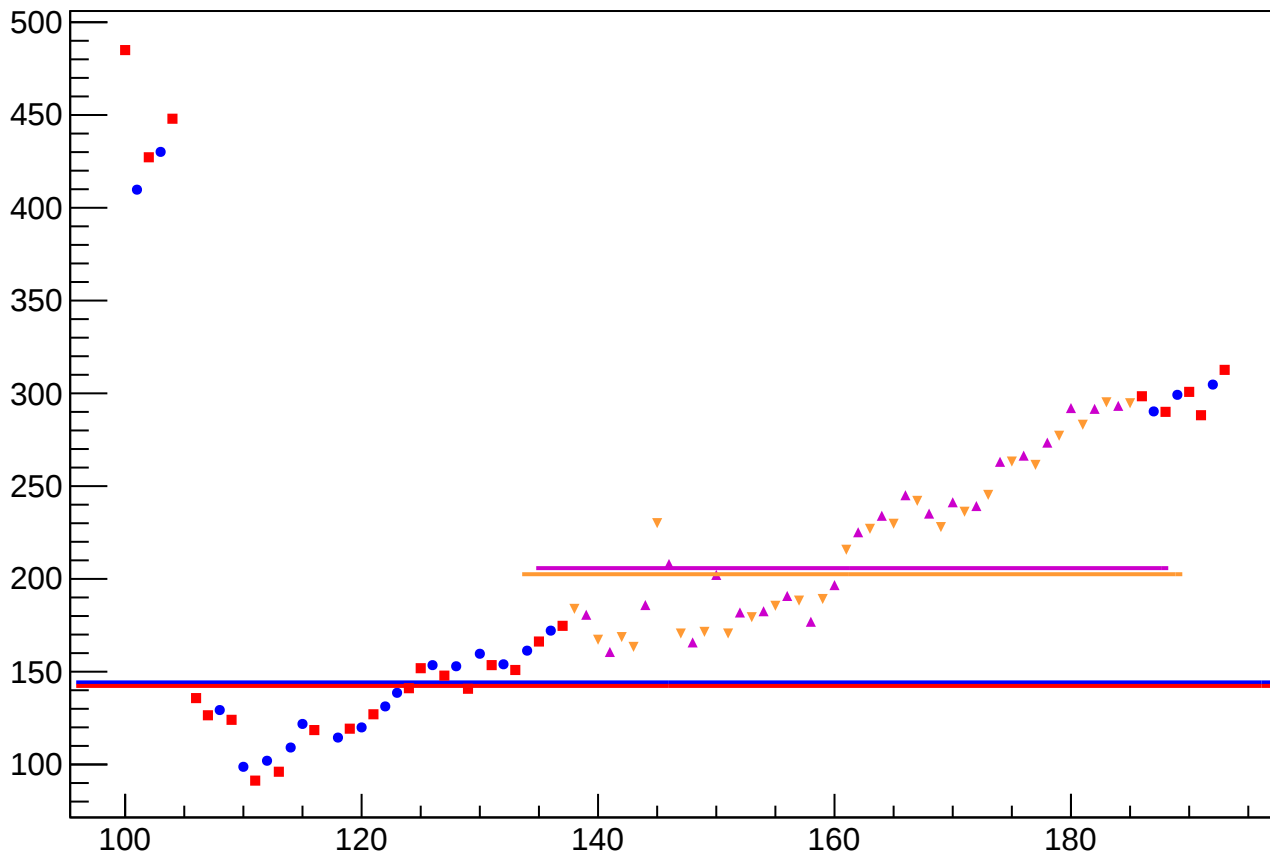
- sign 167.420 $\pm$ 0.024 χ^2 /NDF: 5710870.2/46

yield_bpm2i02WS_mean vs Slug



Right In: 134897.178+/-0.055	χ^2/NDF : 54670394578.7/19	+ sign 134304.139+/-0.036	χ^2/NDF : 55954645815.1
Left Out: 133850.586+/-0.048	χ^2/NDF : 1080107831.1/24	All: 134613.120+/-0.025	χ^2/NDF : 144100193.1
Right Out: 136077.770+/-0.051	χ^2/NDF : 85987706949.3/23	- sign 134912.598+/-0.036	χ^2/NDF : 88002857503.9
Left In: 133749.630+/-0.051	χ^2/NDF : 954069486.7/22		

yield_bpm2i02WS_rms vs Slug



Right In: 144.229 $\pm$ 0.039 χ^2 /NDF: 2322189.1/19

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF:1211991.5/24

Right Out: 142.332 $\pm$ 0.036 χ^2 /NDF: 3018174.2/23

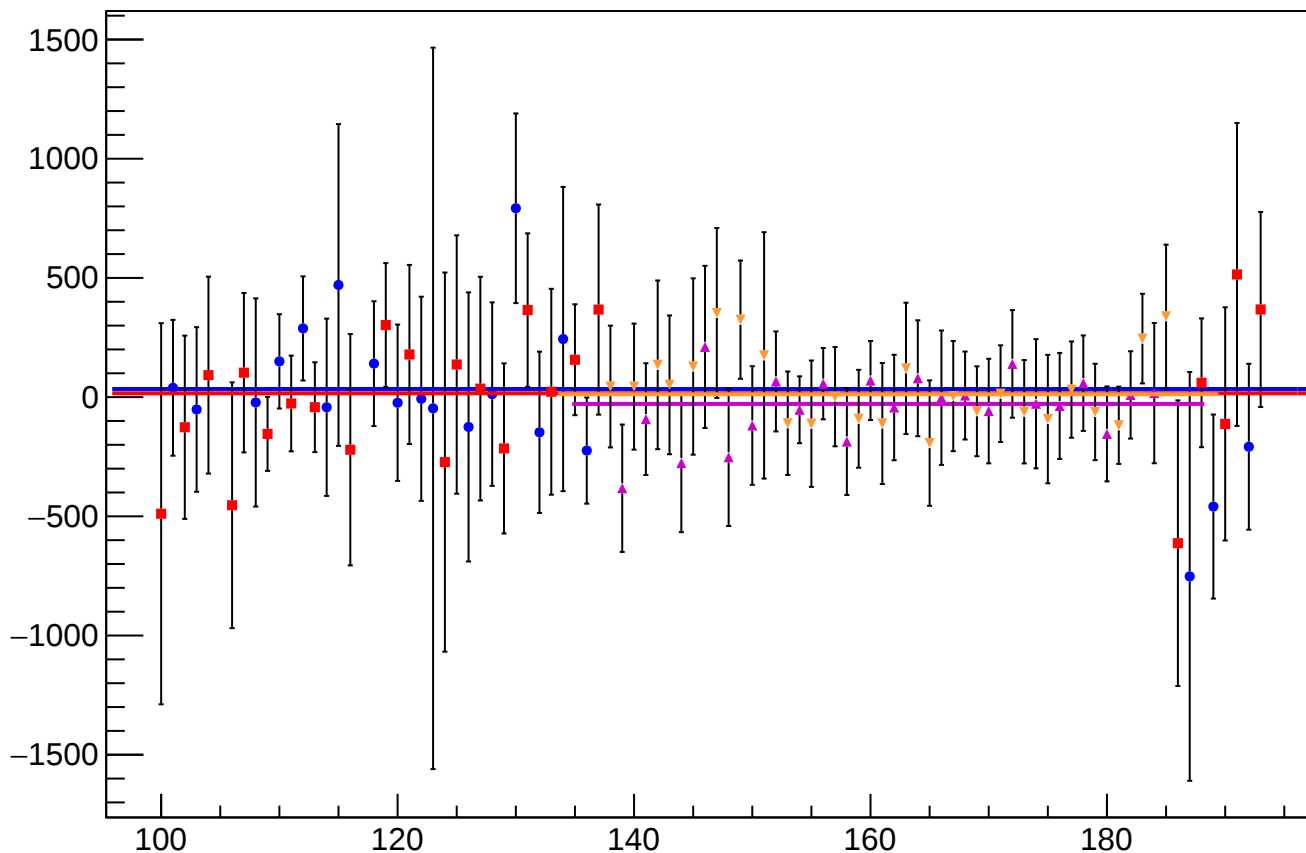
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 177.263 $\pm$ 0.026 χ^2 /NDF: 4801011.8/44

All: 175.657 $\pm$ 0.018 χ^2 /NDF: 10498769.8/91

- sign 174.100 $\pm$ 0.025 χ^2 /NDF: 5690045.1/46

asym_bcm_an_ds_mean vs Slug



Right In: 33.989 $\pm$ 75.458 χ^2 /NDF: 10.9/19

Left Out: 12.180 $\pm$ 47.531 χ^2 /NDF: 8.6/24

Right Out: 16.138 $\pm$ 65.550 χ^2 /NDF: 9.8/23

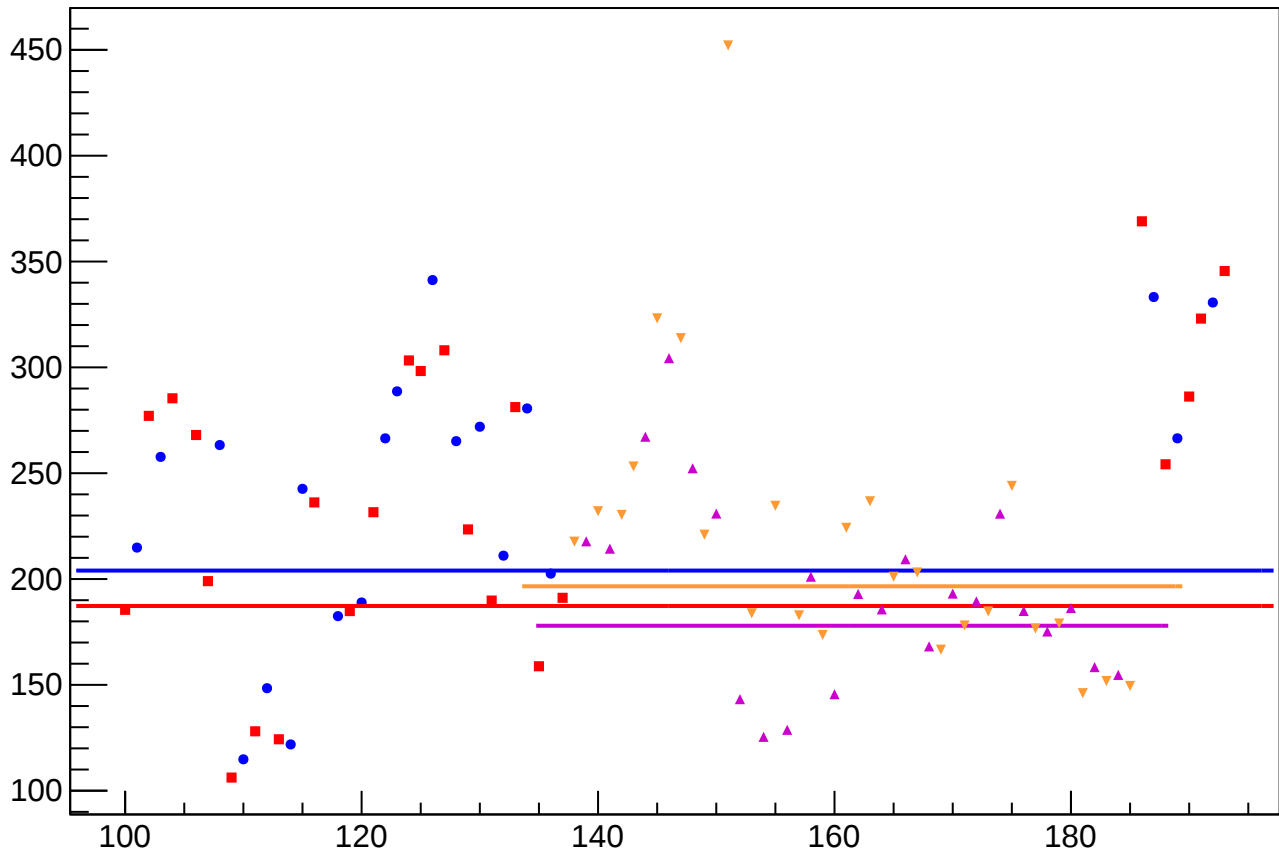
Left In: -28.452 $\pm$ 44.688 χ^2 /NDF: 6.7/22

+ sign 18.375 $\pm$ 40.217 χ^2 /NDF: 19.5/44

All: 0.643 $\pm$ 27.199 χ^2 /NDF: 36.6/91

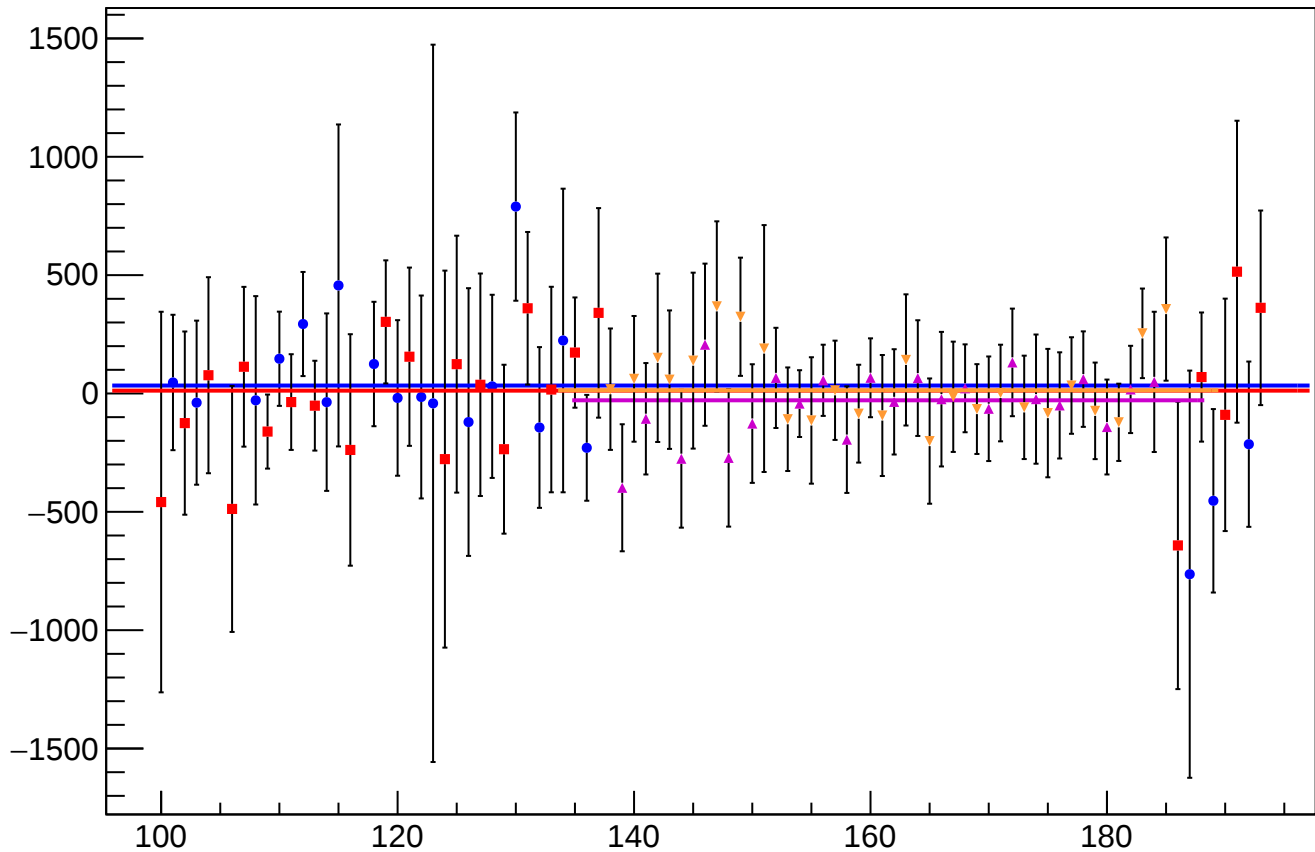
- sign -14.303 $\pm$ 36.924 χ^2 /NDF: 16.8/46

asym_bcm_an_ds_rms vs Slug



Right In: 204.000 $\pm$ 0.053	χ^2 /NDF: 1414718.0/19	+ sign 198.685 $\pm$ 0.028	χ^2 /NDF: 3207297.8/44
Left Out: 196.576 $\pm$ 0.034	χ^2 /NDF: 1778719.0/24	All: 189.034 $\pm$ 0.019	χ^2 /NDF: 7502049.8/91
Right Out: 187.278 $\pm$ 0.046	χ^2 /NDF: 2448944.6/23	- sign 180.898 $\pm$ 0.026	χ^2 /NDF: 4082477.4/46
Left In: 177.933 $\pm$ 0.032	χ^2 /NDF: 1605780.8/22		

asym_bcm_an_ds3_mean vs Slug



Right In: 33.558 $\pm$ 75.819 χ^2 /NDF: 10.7/19

Left Out: 13.395 $\pm$ 47.862 χ^2 /NDF: 9.0/24

Right Out: 12.044 $\pm$ 65.915 χ^2 /NDF: 10.0/23

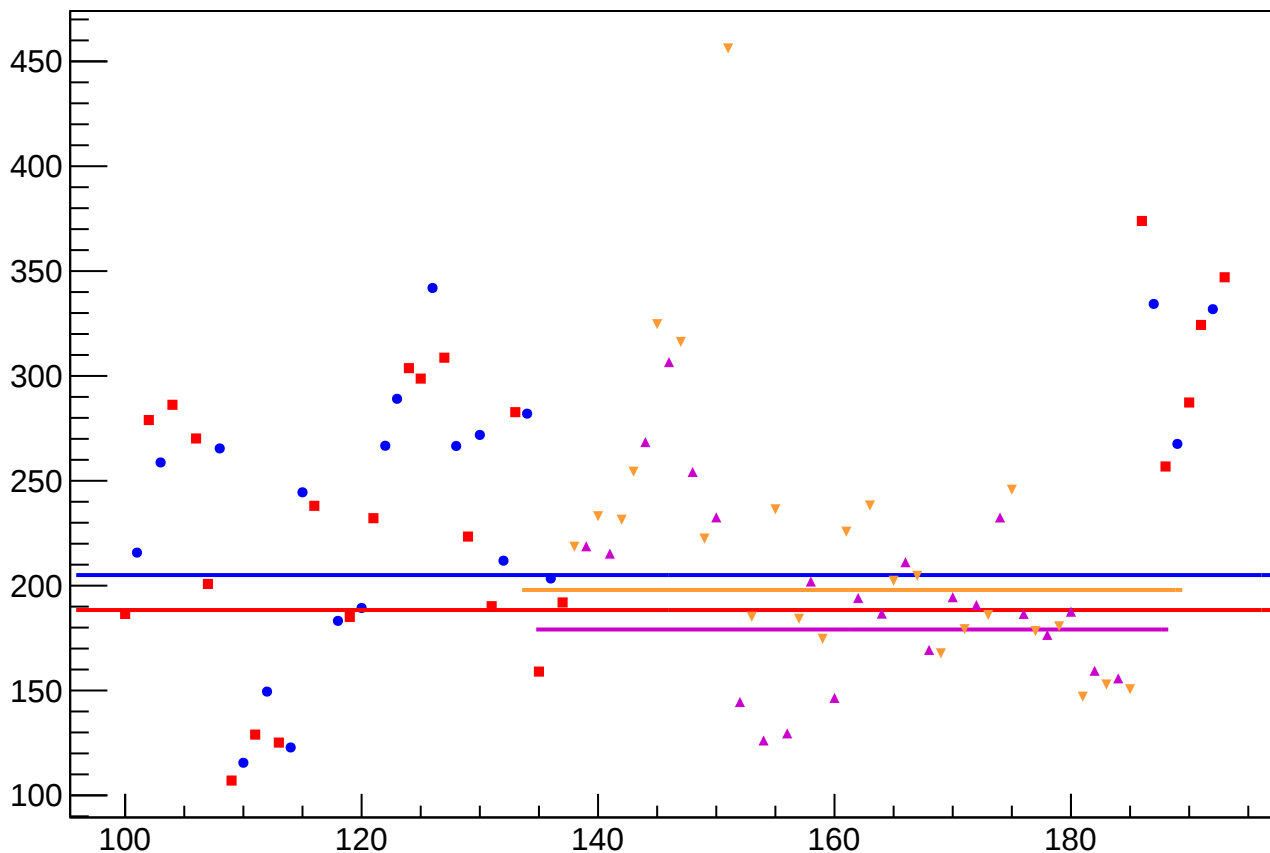
Left In: -28.806 $\pm$ 44.980 χ^2 /NDF: 6.8/22

+ sign 19.140 $\pm$ 40.473 χ^2 /NDF: 19.8/44

All: 0.164 $\pm$ 27.370 χ^2 /NDF: 37.3/91

- sign -15.828 $\pm$ 37.154 χ^2 /NDF: 17.1/46

asym_bcm_an_ds3_rms vs Slug



Right In: 205.045 $\pm$ 0.054 χ^2 /NDF: 1404345.0/19

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 188.373 $\pm$ 0.047 χ^2 /NDF: 2440829.3/23

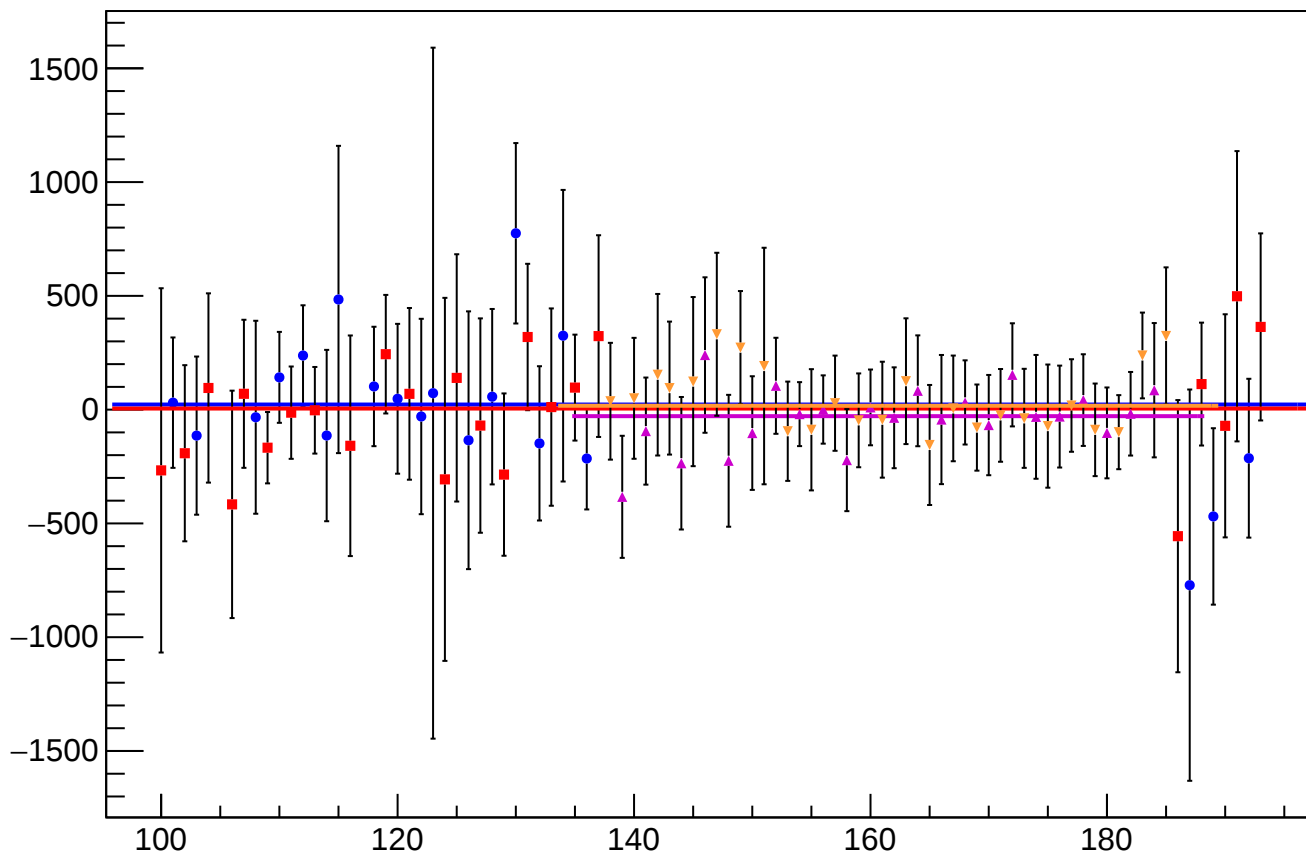
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 199.974 $\pm$ 0.029 χ^2 /NDF: 3191381.3/44

All: 190.241 $\pm$ 0.019 χ^2 /NDF: 7477508.7/91

- sign 182.039 $\pm$ 0.026 χ^2 /NDF: 4073011.3/46

asym_bcm_an_us_mean vs Slug



Right In: 22.459+/-75.815 χ^2/NDF : 10.4/19

Left Out: 17.142+/-47.738 χ^2/NDF : 7.1/24

Right Out: 4.830+/-65.798 χ^2/NDF : 8.3/23

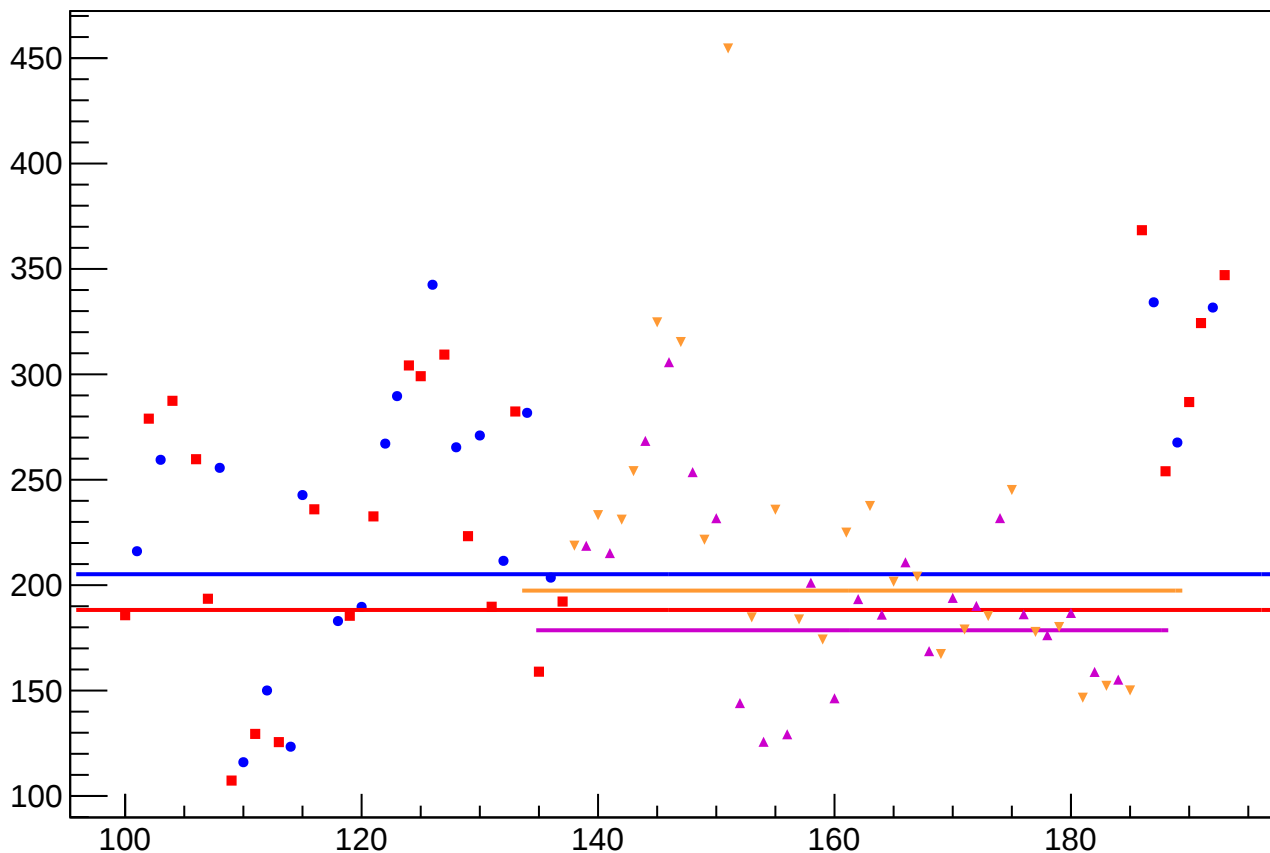
Left In: -28.655+/-44.859 χ^2/NDF : 6.1/22

+ sign 18.651+/-40.397 χ^2/NDF : 17.5/44

All: -1.264+/-27.311 χ^2/NDF : 32.6/91

- sign -18.030+/-37.065 χ^2/NDF : 14.6/46

asym_bcm_an_us_rms vs Slug



Right In: 205.192 $\pm$ 0.054 χ^2 /NDF: 1380830.4/19

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF:1780261.9/24

Right Out: 188.234 $\pm$ 0.047 χ^2 /NDF: 2404545.2/23

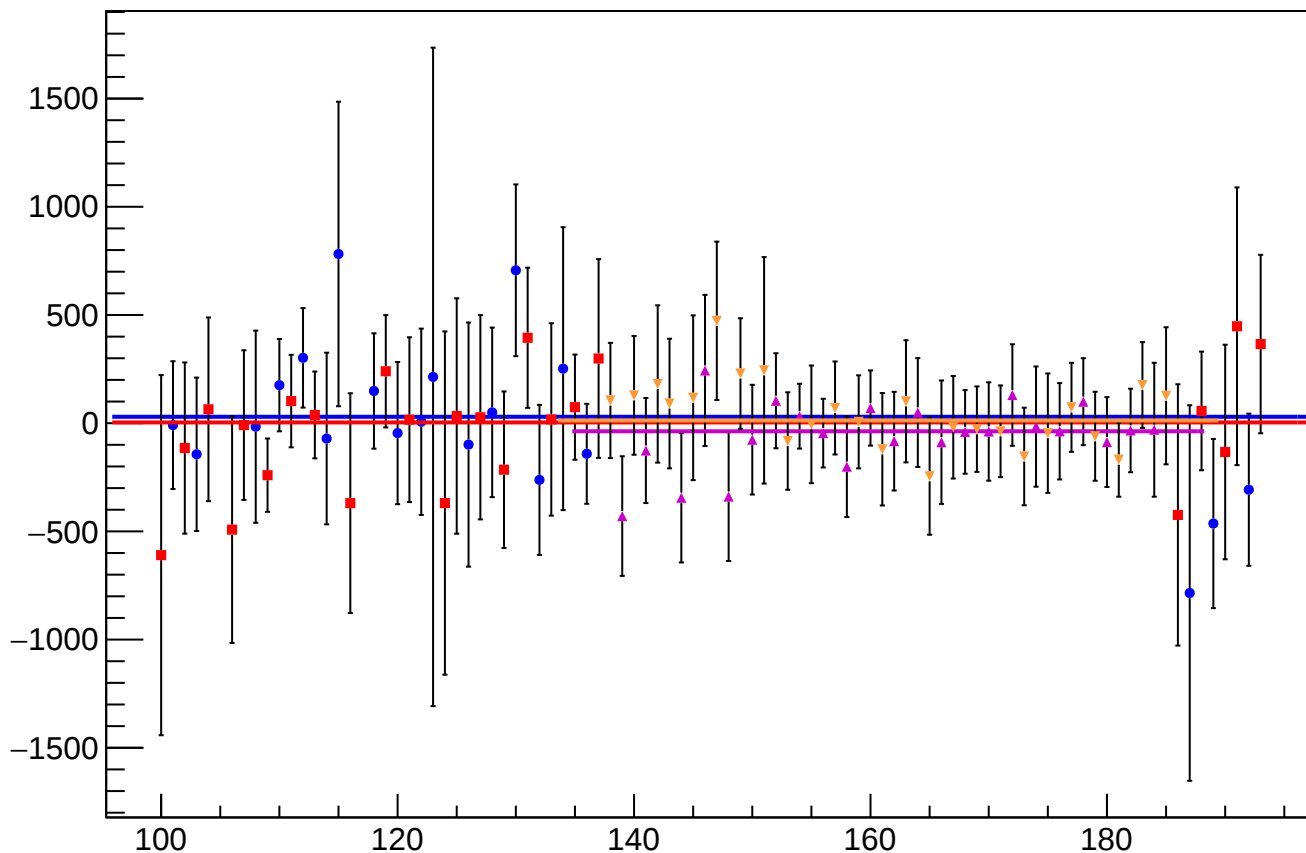
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF:1608998.1/22

+ sign 199.628 $\pm$ 0.029 χ^2 /NDF: 3176135.5/44

All: 189.871 $\pm$ 0.019 χ^2 /NDF: 7433809.1/91

- sign 181.658 $\pm$ 0.026 χ^2 /NDF: 4042807.9/46

asym_bcm_dg_us_mean vs Slug



Right In: 29.594 $\pm$ 78.008 χ^2 /NDF: 11.3/19

Left Out: 12.632 $\pm$ 49.242 χ^2 /NDF: 7.5/24

Right Out: 3.415 $\pm$ 68.291 χ^2 /NDF: 9.7/23

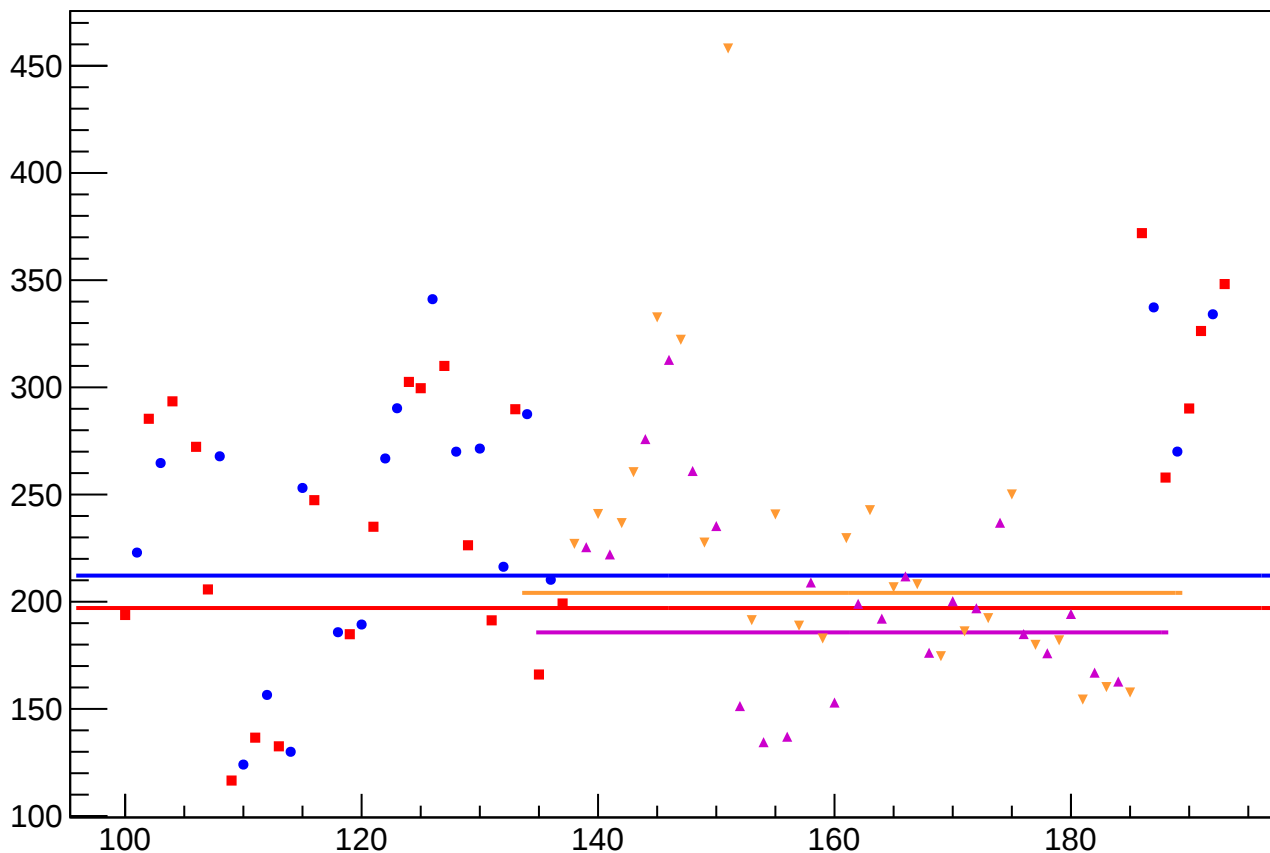
Left In: -37.460 $\pm$ 46.479 χ^2 /NDF: 7.6/22

+ sign 17.465 $\pm$ 41.640 χ^2 /NDF: 18.9/44

All: -5.211 $\pm$ 28.238 χ^2 /NDF: 37.0/91

- sign -24.520 $\pm$ 38.424 χ^2 /NDF: 17.5/46

asym_bcm_dg_us_rms vs Slug



Right In: 212.193 $\pm$ 0.055 χ^2 /NDF: 1241872.4/19

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 197.064 $\pm$ 0.048 χ^2 /NDF: 2148717.9/23

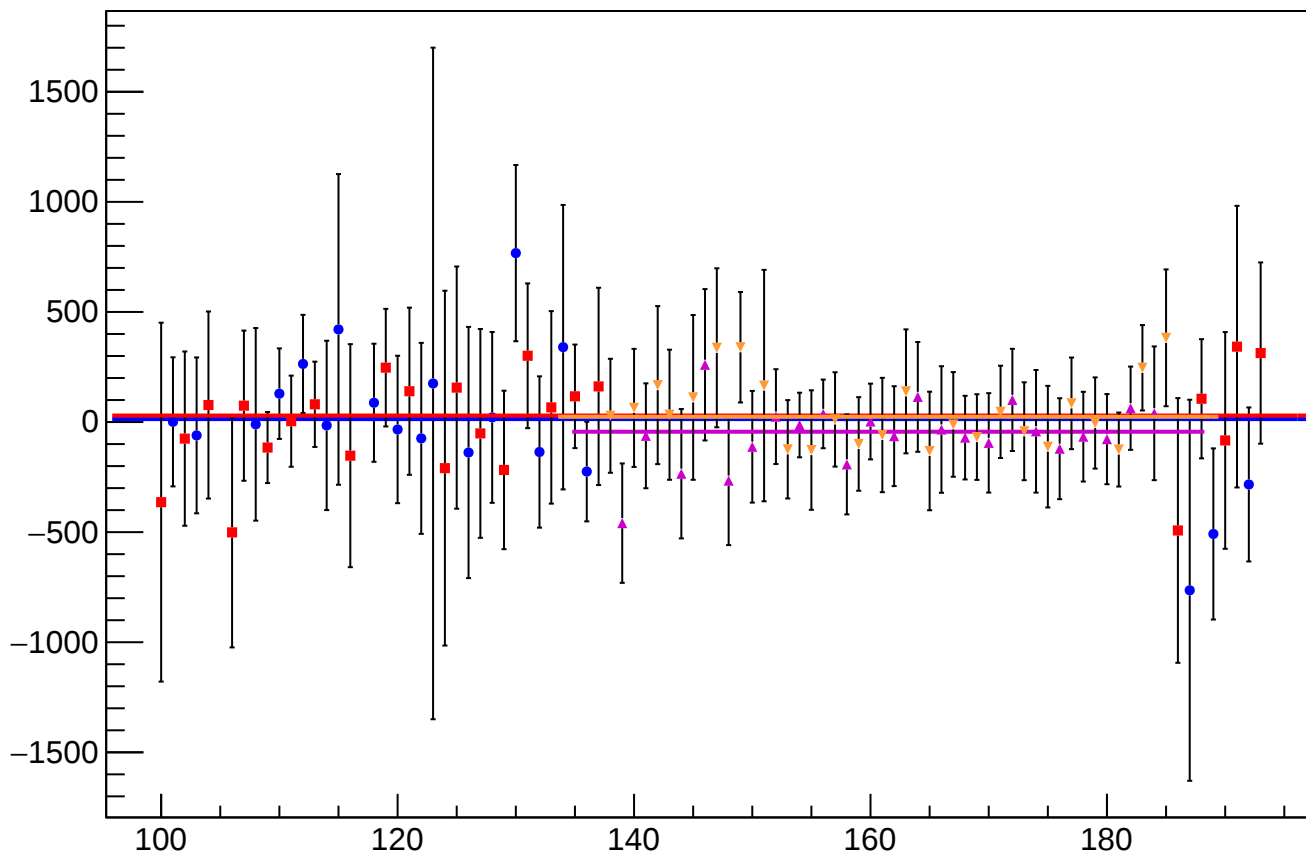
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 206.429 $\pm$ 0.029 χ^2 /NDF: 2929431.8/44

All: 197.174 $\pm$ 0.020 χ^2 /NDF: 6746737.1/91

- sign 189.293 $\pm$ 0.027 χ^2 /NDF: 3634378.6/46

asym_bcm_dg_ds_mean vs Slug



Right In: 13.401 $\pm$ 77.058 χ^2 /NDF: 10.6/19

Left Out: 23.843 $\pm$ 48.783 χ^2 /NDF: 8.5/24

Right Out: 29.654 $\pm$ 67.049 χ^2 /NDF: 6.3/23

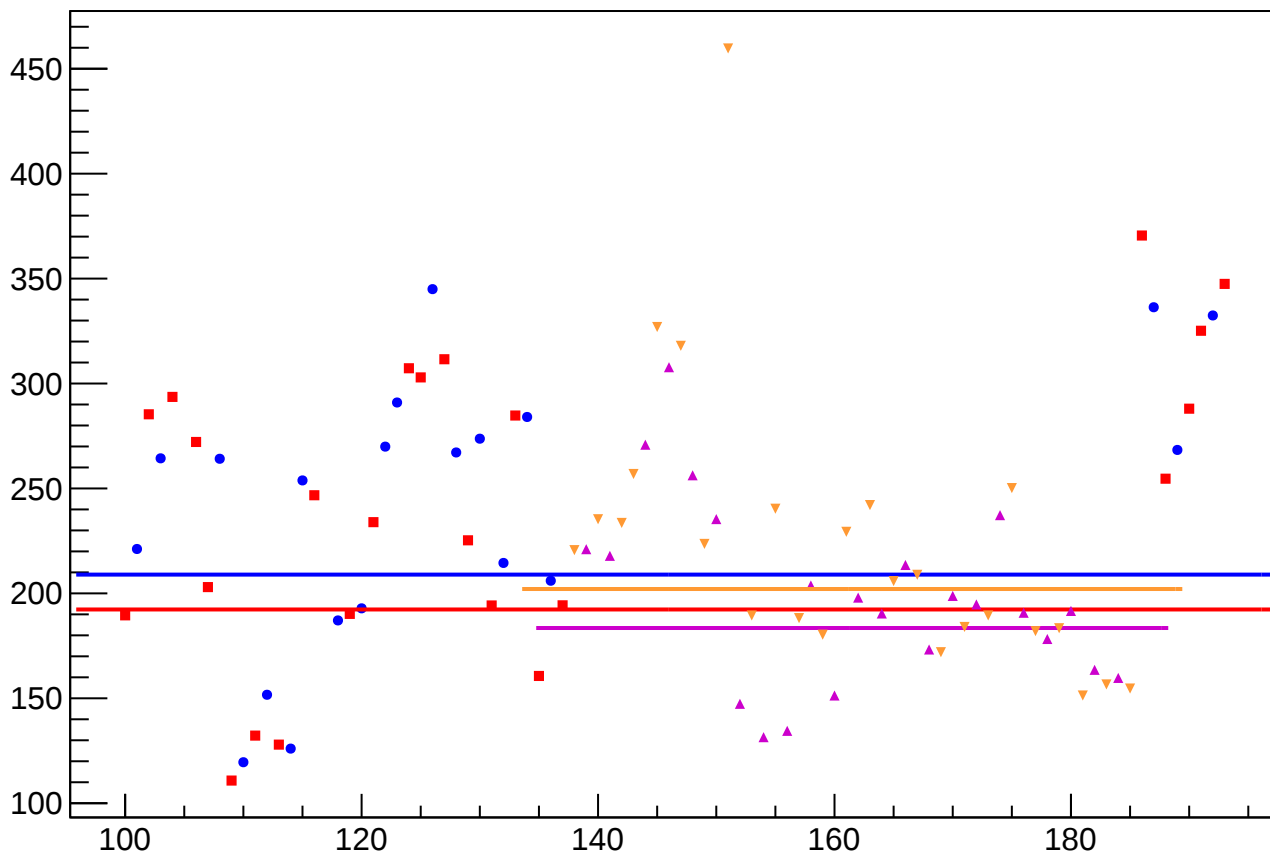
Left In: -43.978 $\pm$ 45.981 χ^2 /NDF: 6.5/22

+ sign 20.855 $\pm$ 41.218 χ^2 /NDF: 19.1/44

All: -1.502 $\pm$ 27.907 χ^2 /NDF: 33.3/91

- sign -20.426 $\pm$ 37.921 χ^2 /NDF: 13.6/46

asym_bcm_dg_ds_rms vs Slug



Right In: 208.943 $\pm$ 0.054 χ^2 /NDF: 1336917.3/19

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF: 1692787.9/24

Right Out: 192.327 $\pm$ 0.047 χ^2 /NDF: 2339042.2/23

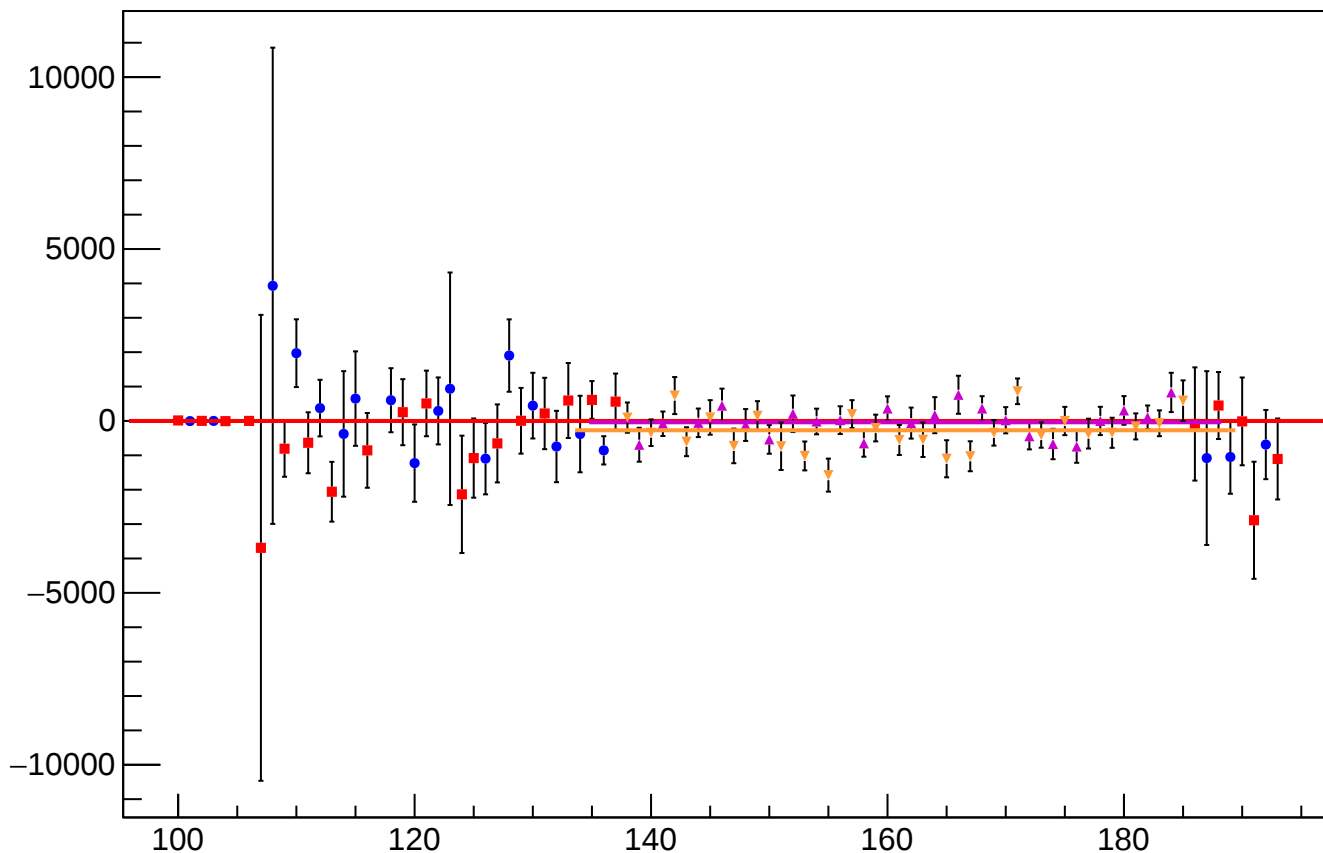
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF: 1483383.4/22

+ sign 204.044 $\pm$ 0.029 χ^2 /NDF: 3041029.9/44

All: 194.446 $\pm$ 0.020 χ^2 /NDF: 7087283.5/91

- sign 186.322 $\pm$ 0.027 χ^2 /NDF: 3846012.7/46

asym_cav4bQ_mean vs Slug



Right In: -1.538 ± 2.251 χ^2/NDF : 19.0/19

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.732 ± 2.111 χ^2/NDF : 23.1/23

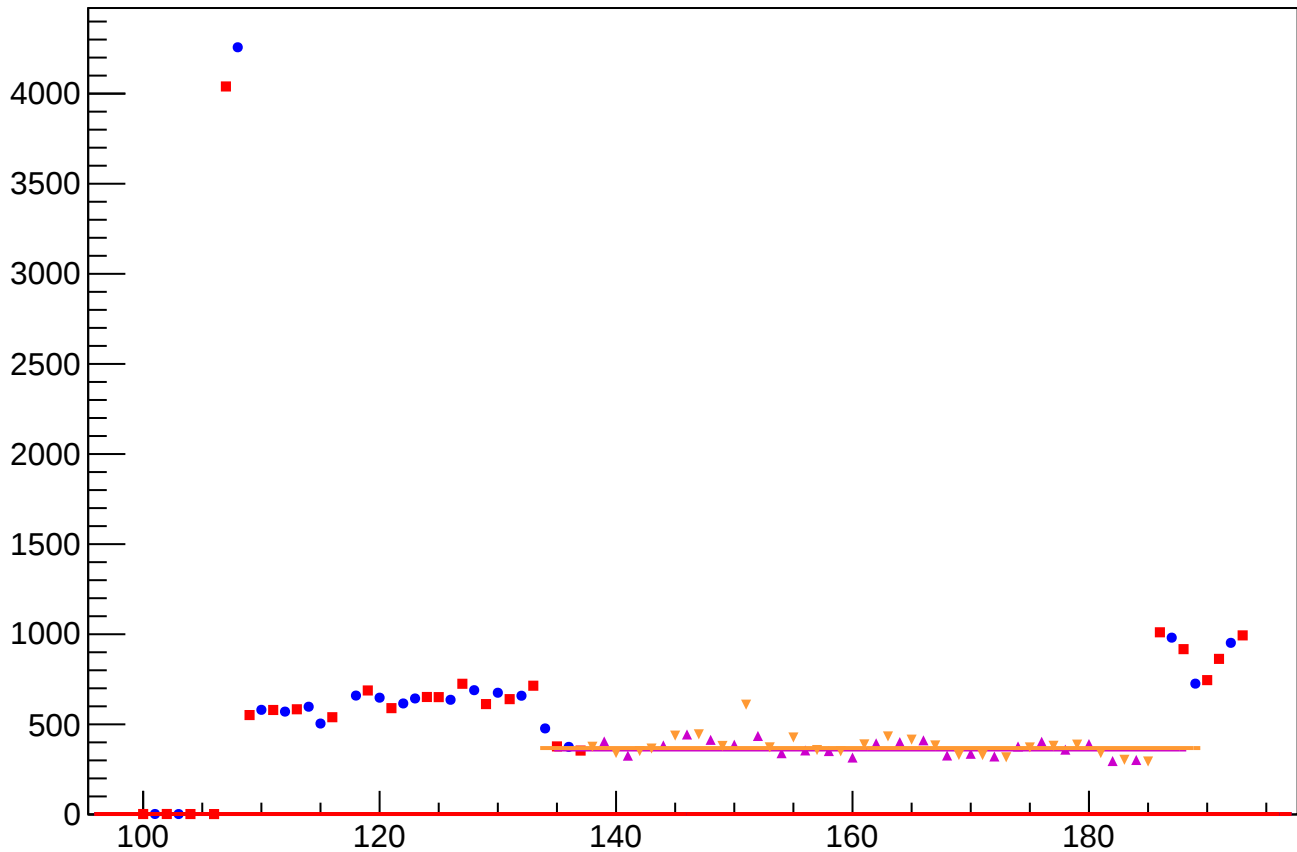
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.719 ± 2.251 χ^2/NDF : 66.7/44

All: -1.206 ± 1.540 χ^2/NDF : 110.4/91

- sign -0.754 ± 2.111 χ^2/NDF : 43.6/46

asym_cav4bQ_rms vs Slug



Right In: 2.465 $\pm$ 0.002 χ^2 /NDF: 13804706.2/19

Left Out: 368.397 $\pm$ 0.061 χ^2 /NDF: 622466.1/24

Right Out: 2.449 $\pm$ 0.001 χ^2 /NDF: 16220786.5/23

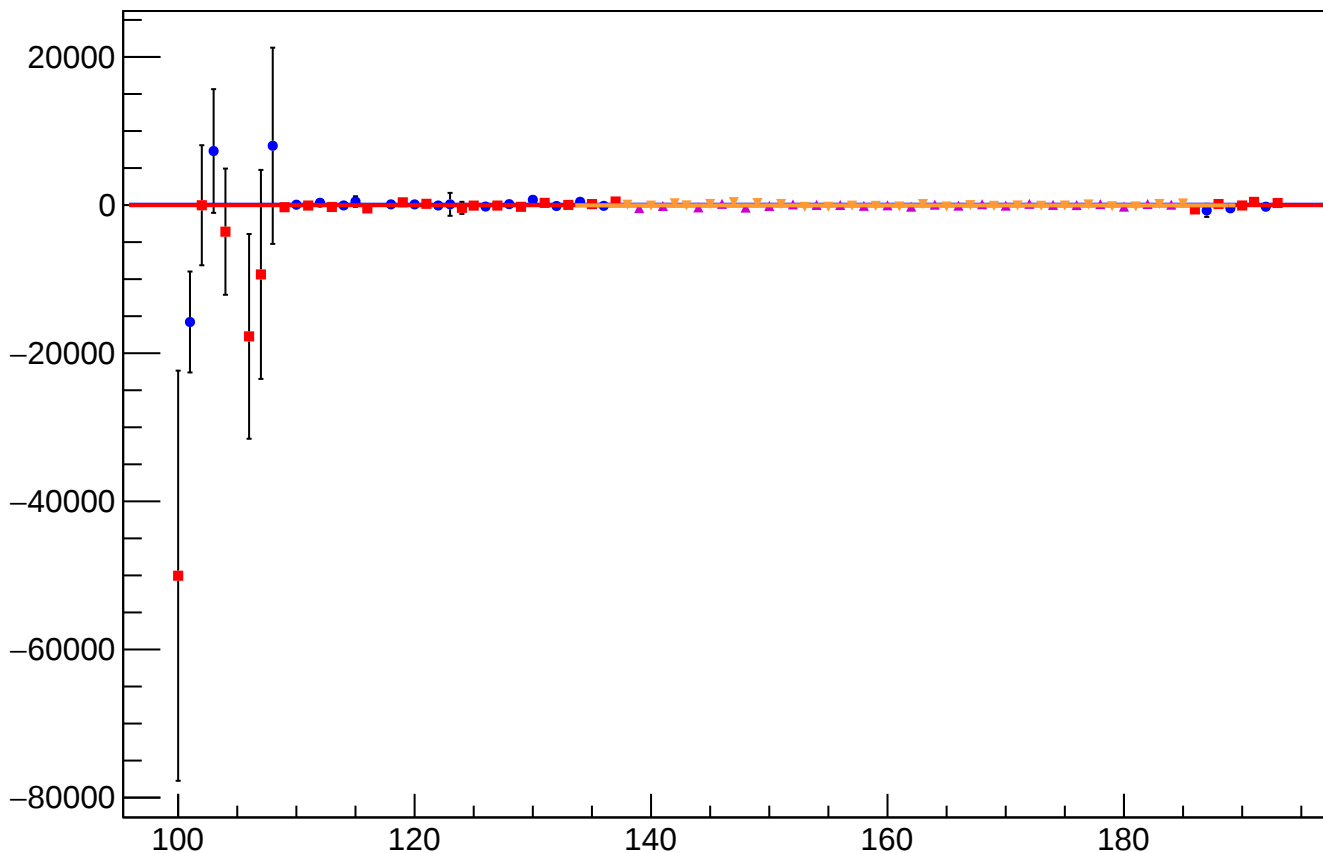
Left In: 360.408 $\pm$ 0.062 χ^2 /NDF: 417739.4/22

+ sign 2.710 $\pm$ 0.002 χ^2 /NDF: 49812840.8/44

All: 2.681 $\pm$ 0.001 χ^2 /NDF: 99699475.3/91

- sign 2.656 $\pm$ 0.001 χ^2 /NDF: 49886017.5/46

asym_cav4cQ_mean vs Slug



Right In: 49.371+/-85.844 χ^2/NDF : 15.1/19

Left Out: -38.013+/-49.628 χ^2/NDF : 9.3/24

Right Out: -16.514+/-77.257 χ^2/NDF : 16.2/23

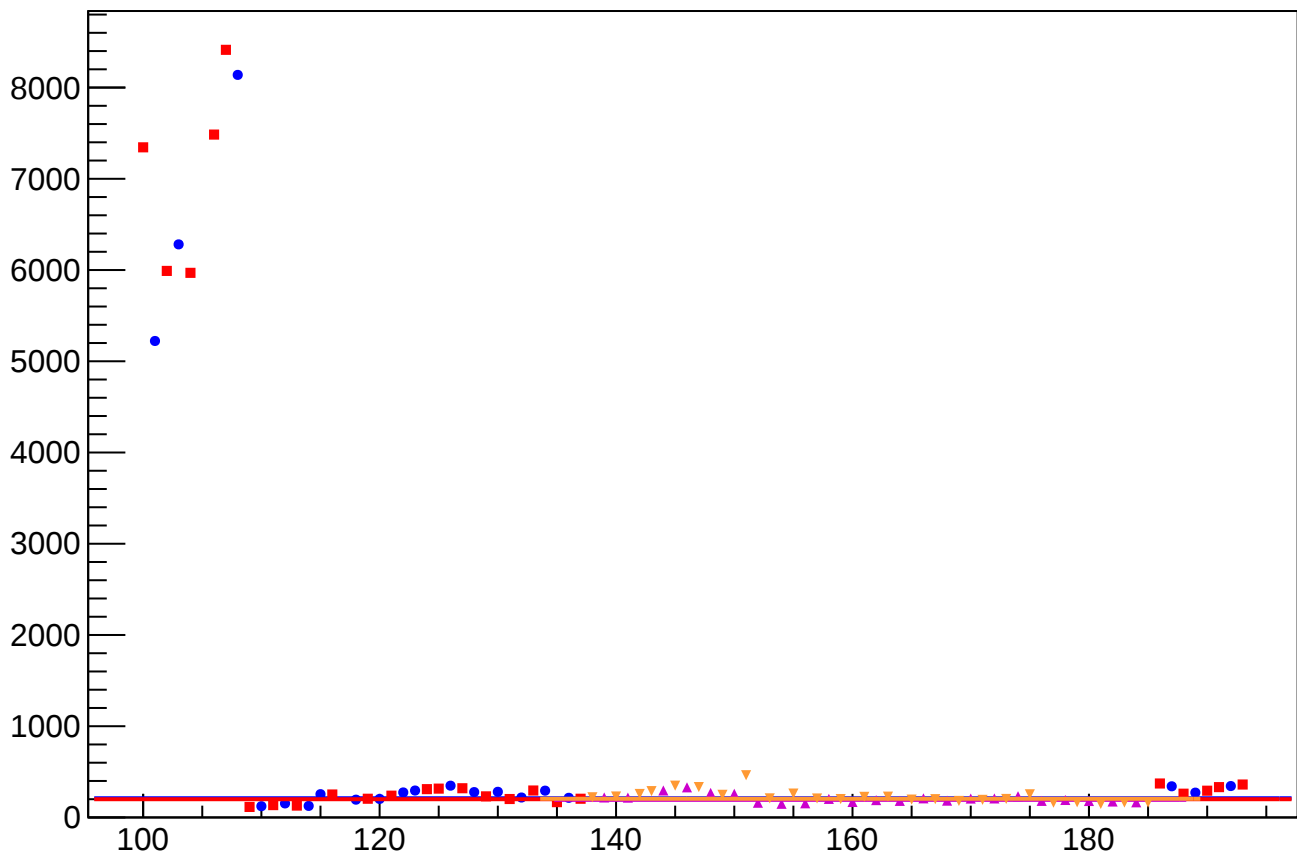
Left In: -28.205+/-48.167 χ^2/NDF : 9.2/22

+ sign -16.124+/-42.965 χ^2/NDF : 25.2/44

All: -20.748+/-29.614 χ^2/NDF : 50.7/91

- sign -24.932+/-40.874 χ^2/NDF : 25.5/46

asym_cav4cQ_rms vs Slug



Right In: 210.495 $\pm$ 0.061 χ^2 /NDF: 4104444.4/19

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF: 1956045.1/24

Right Out: 199.934 $\pm$ 0.055 χ^2 /NDF: 5123519.0/23

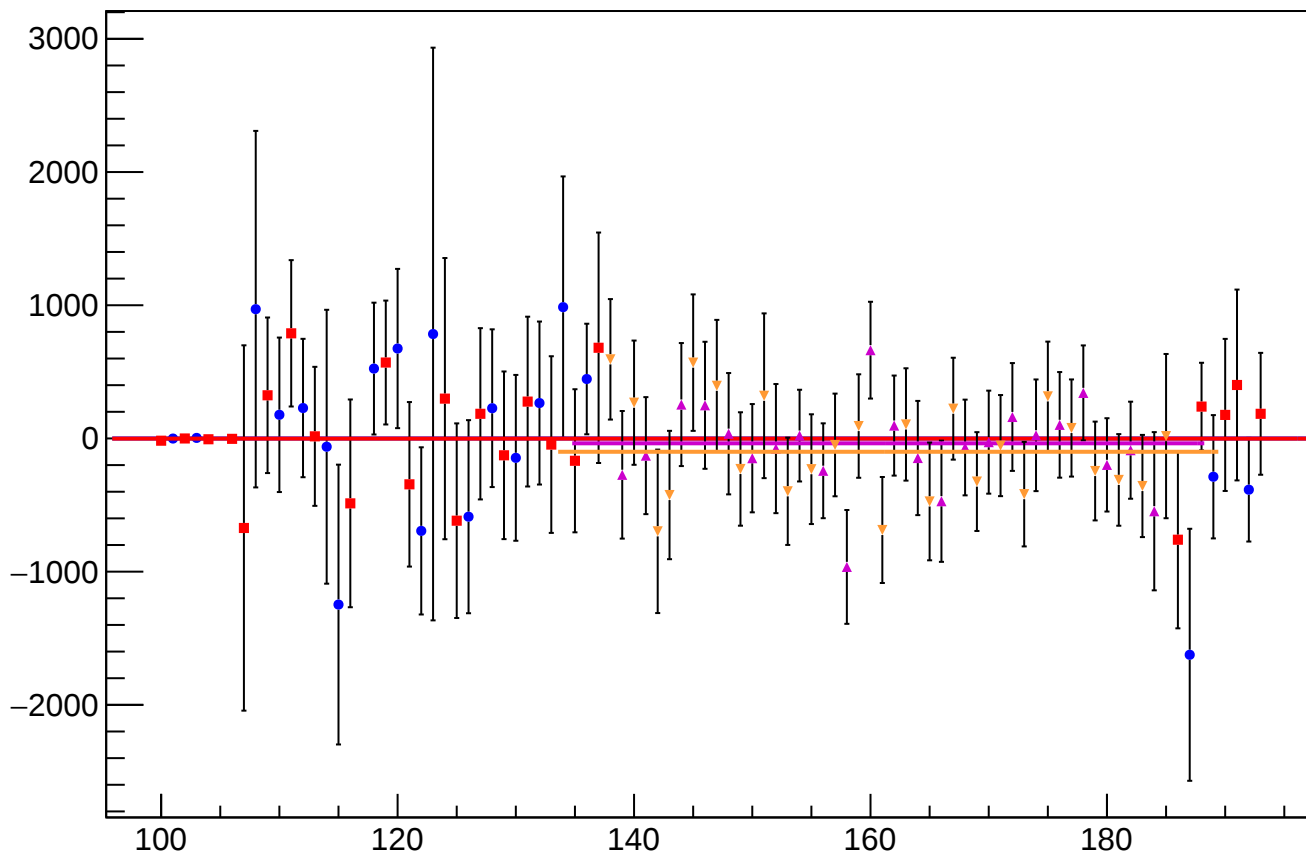
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF: 1172169.3/22

+ sign 206.397 $\pm$ 0.030 χ^2 /NDF: 6066572.4/44

All: 200.536 $\pm$ 0.021 χ^2 /NDF: 12443435.7/91

- sign 195.232 $\pm$ 0.029 χ^2 /NDF: 6305974.8/46

asym_cav4dQ_mean vs Slug



Right In: -0.157 ± 1.737 χ^2/NDF : 14.3/19

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.315 ± 1.623 χ^2/NDF : 11.8/23

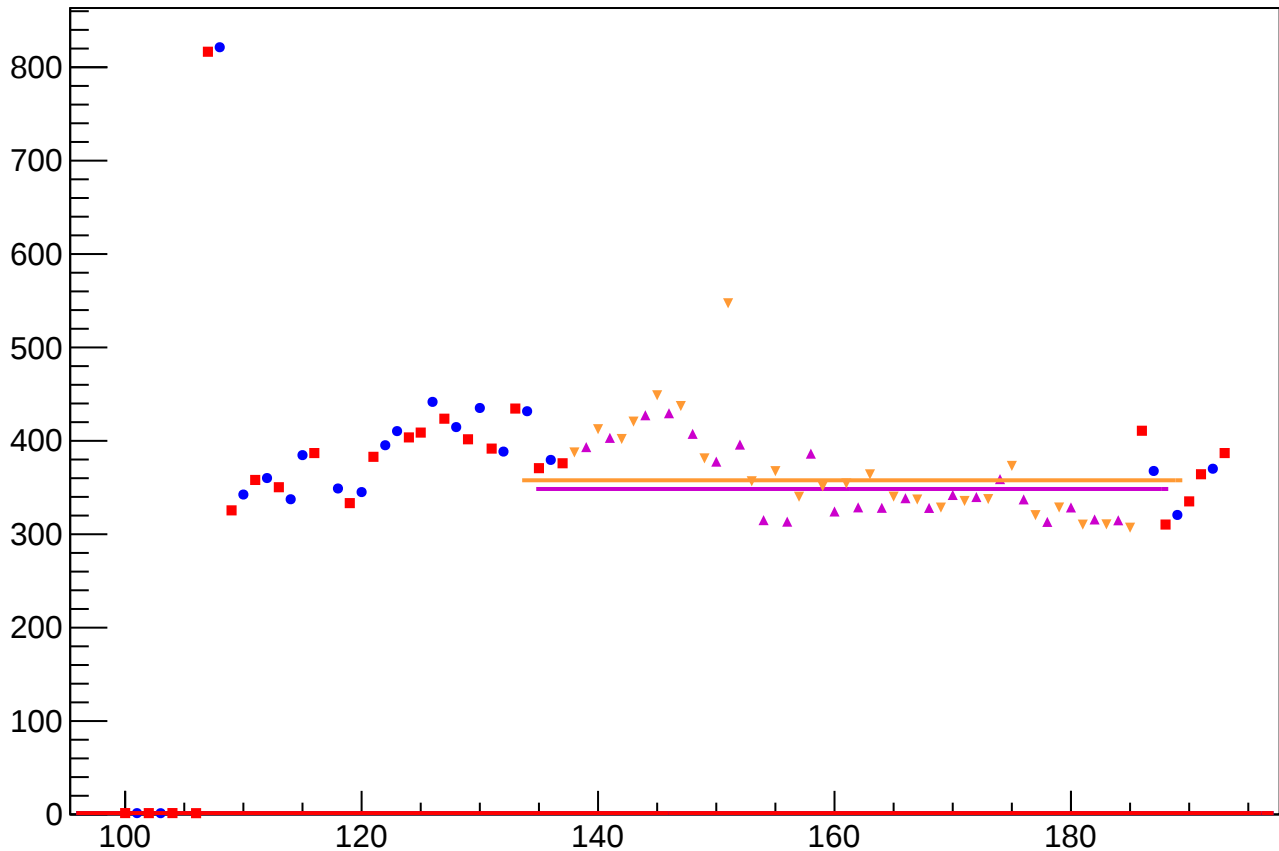
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.199 ± 1.736 χ^2/NDF : 31.5/44

All: -0.802 ± 1.185 χ^2/NDF : 57.2/91

- sign -1.328 ± 1.622 χ^2/NDF : 25.5/46

asym_cav4dQ_rms vs Slug



Right In: 1.466+/-0.001 χ^2/NDF : 13961493.0/19

Left Out: 357.771+/-0.060 χ^2/NDF : 547124.8/24

Right Out: 1.470+/-0.001 χ^2/NDF : 15975567.9/23

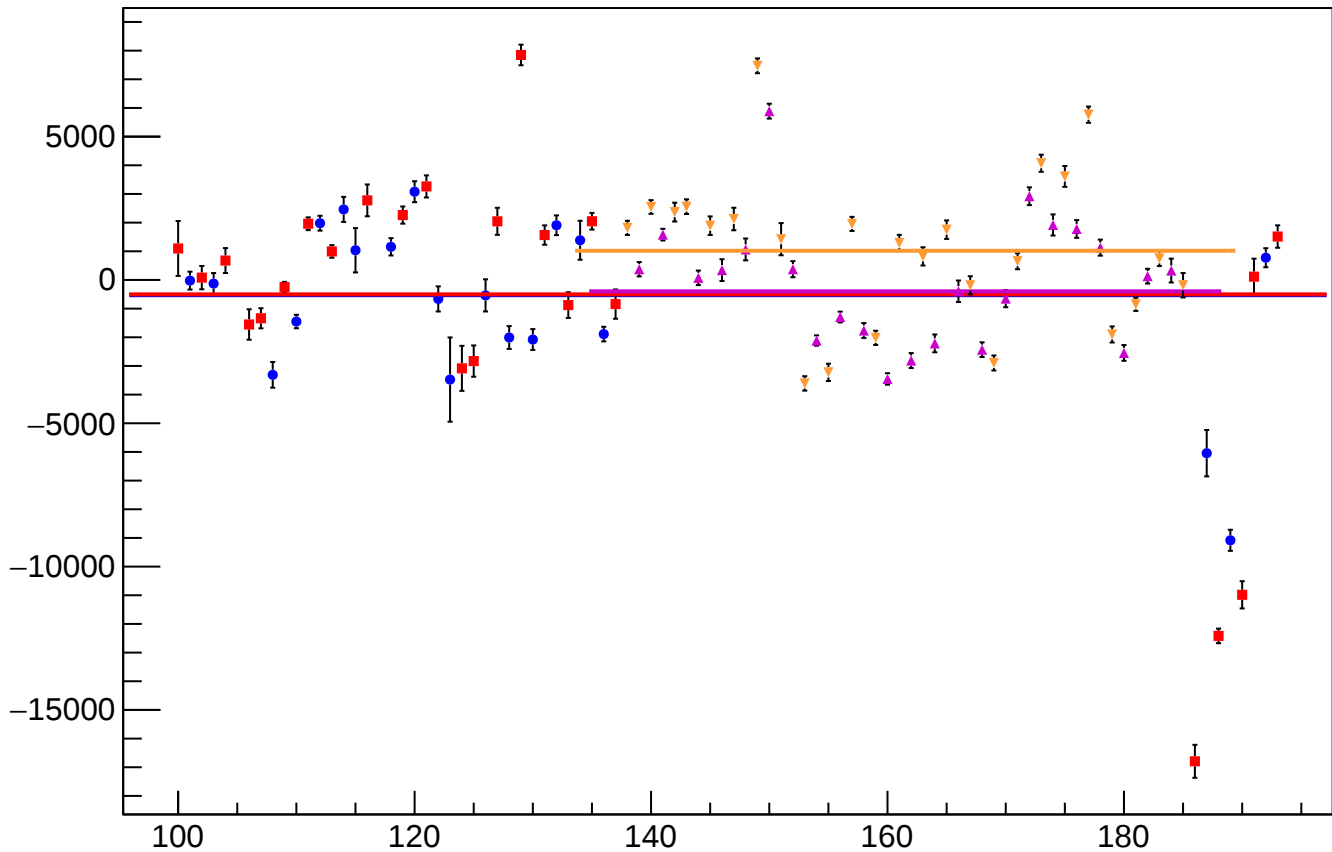
Left In: 348.464+/-0.060 χ^2/NDF : 360425.7/22

+ sign 1.617+/-0.001 χ^2/NDF : 50315923.9/44

All: 1.607+/-0.001 χ^2/NDF : 100225863.1/91

- sign 1.598+/-0.001 χ^2/NDF : 49909803.4/46

asym_bcm0l02_mean vs Slug



Right In: -531.823 ± 82.243 χ^2/NDF : 1056.4/19

Left Out: 1018.965 ± 57.402 χ^2/NDF : 2310.1/24

Right Out: -502.171 ± 71.692 χ^2/NDF : 4636.5/23

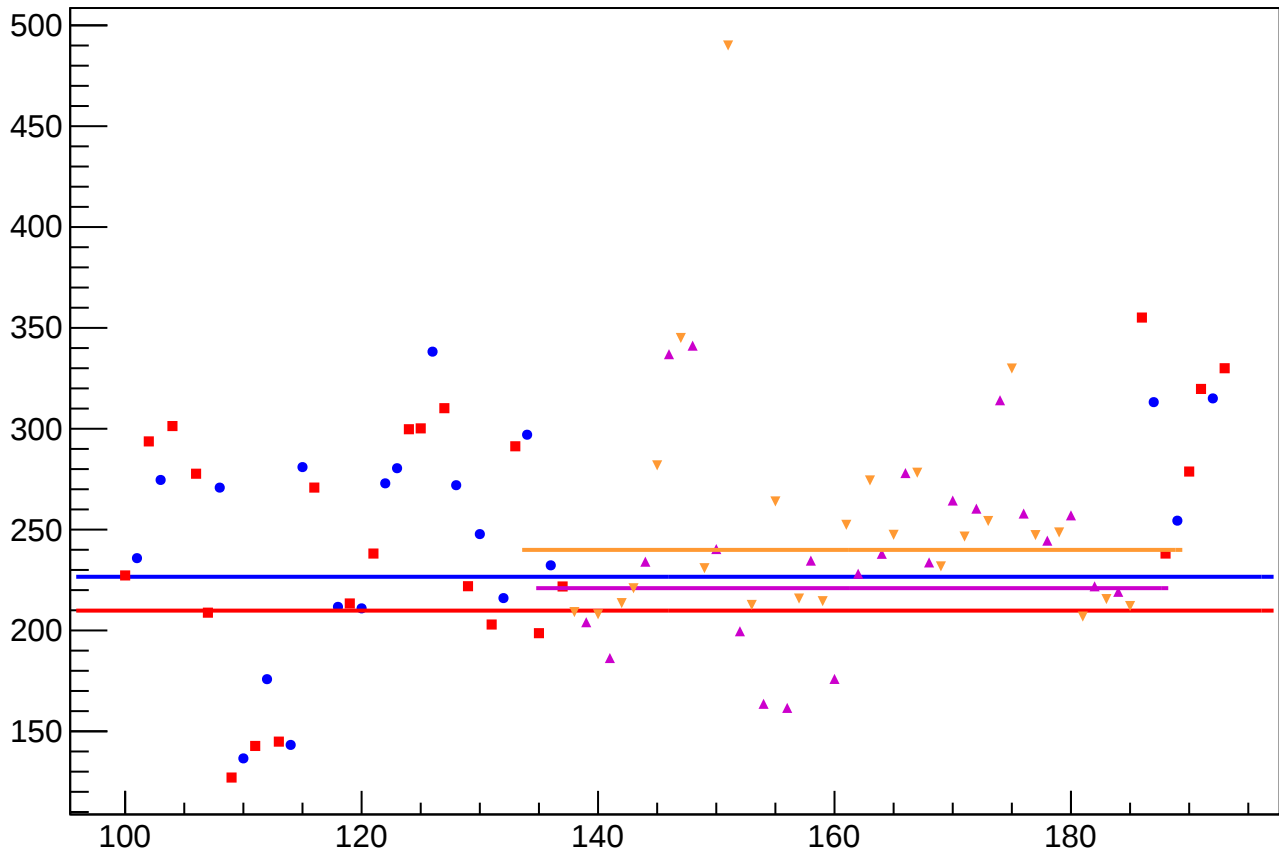
Left In: -396.609 ± 55.090 χ^2/NDF : 1581.0/22

+ sign 510.971 ± 47.071 χ^2/NDF : 3605.6/44

All: 2.290 ± 32.019 χ^2/NDF : 10041.9/91

- sign -435.800 ± 43.683 χ^2/NDF : 6218.9/46

asym_bcm0l02_rms vs Slug



Right In: 226.613 $\pm$ 0.058 χ^2 /NDF: 857765.3/19

Left Out: 239.942 $\pm$ 0.041 χ^2 /NDF:1000770.0/24

Right Out: 209.840 $\pm$ 0.051 χ^2 /NDF: 1695950.4/23

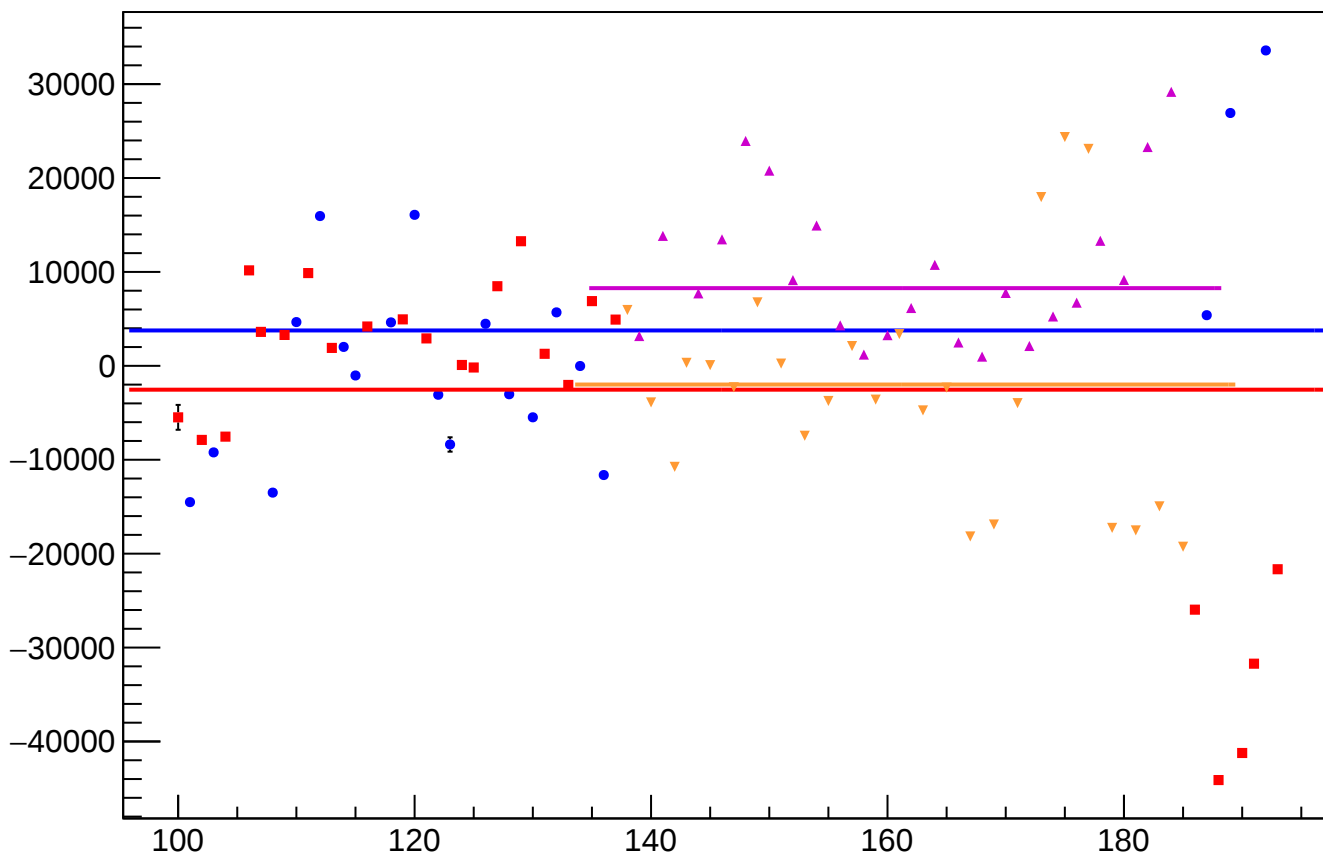
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 235.576 $\pm$ 0.033 χ^2 /NDF: 1893859.7/44

All: 225.509 $\pm$ 0.023 χ^2 /NDF: 5118068.3/91

- sign 216.839 $\pm$ 0.031 χ^2 /NDF: 3053946.7/46

asym_bpm0i02WS_mean vs Slug



Right In: 3767.726+/-51.329 χ^2/NDF : 67970.3/19

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -2539.286+/-47.360 χ^2/NDF : 113477.6/23

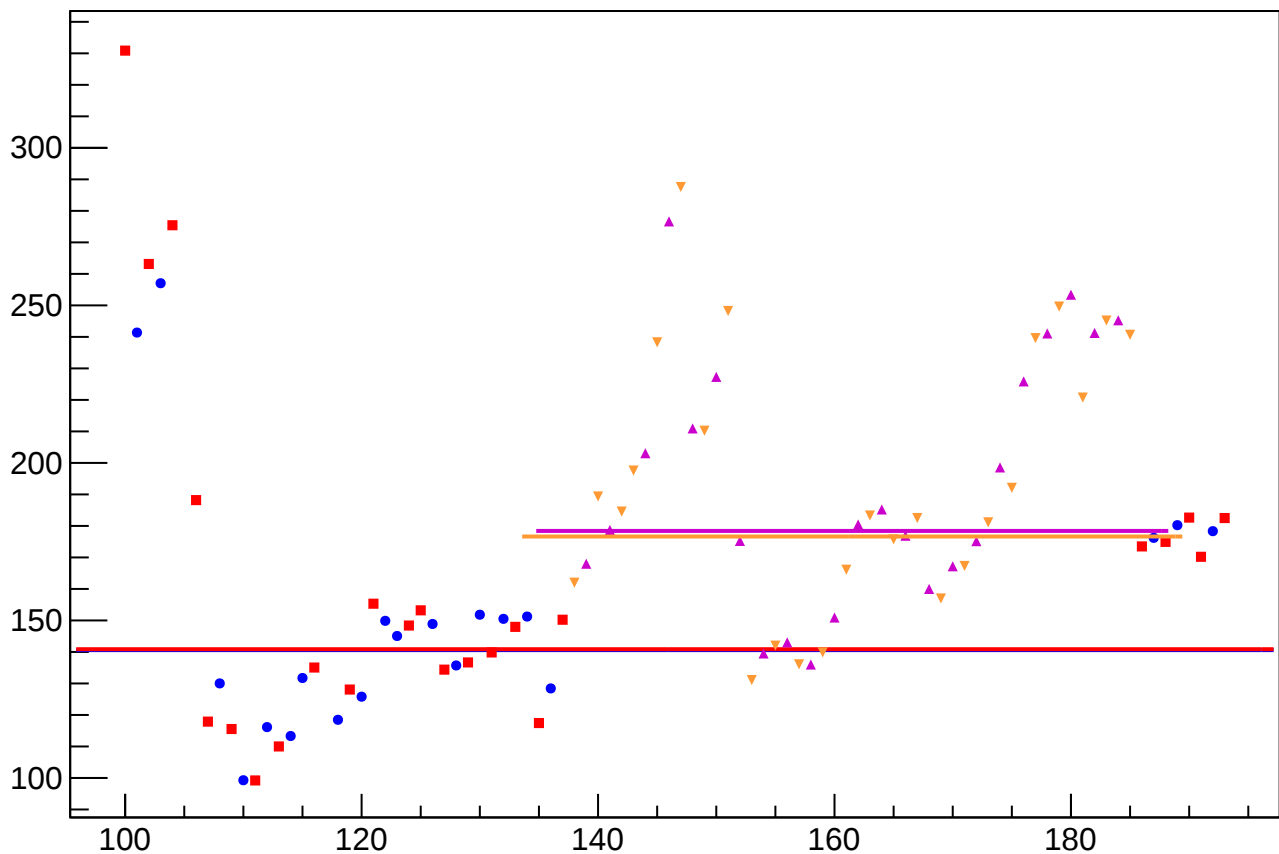
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 345.983+/-32.702 χ^2/NDF : 139217.0/44

All: 1802.130+/-22.999 χ^2/NDF : 307287.2/91

- sign 3227.389+/-32.353 χ^2/NDF : 164146.8/46

asym_bpm0i02WS_rms vs Slug



Right In: 140.583 $\pm$ 0.036 χ^2/NDF : 816529.9/19

Left Out: 176.641 $\pm$ 0.030 χ^2/NDF : 1551048.8/24

Right Out: 140.869 $\pm$ 0.033 χ^2/NDF : 1096781.0/23

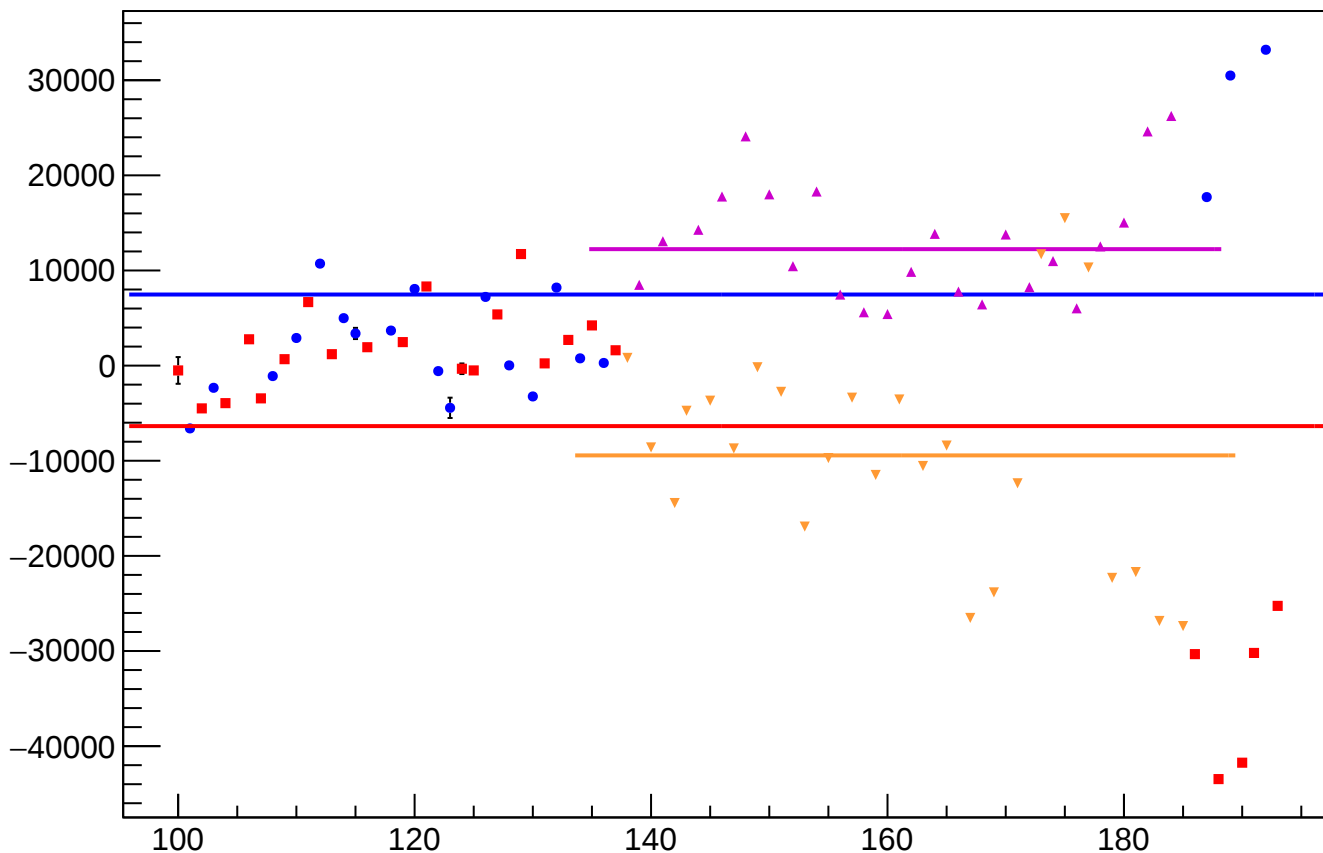
Left In: 178.413 $\pm$ 0.031 χ^2/NDF : 1293736.2/22

+ sign 162.005 $\pm$ 0.023 χ^2/NDF : 2953943.6/44

All: 161.443 $\pm$ 0.016 χ^2/NDF : 6015953.4/91

- sign 160.893 $\pm$ 0.023 χ^2/NDF : 3060840.9/46

asym_bpm0i02aWS_mean vs Slug



Right In: 7473.094+/-64.743 χ^2/NDF : 30580.6/19

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -6359.524+/-57.705 χ^2/NDF : 89401.6/23

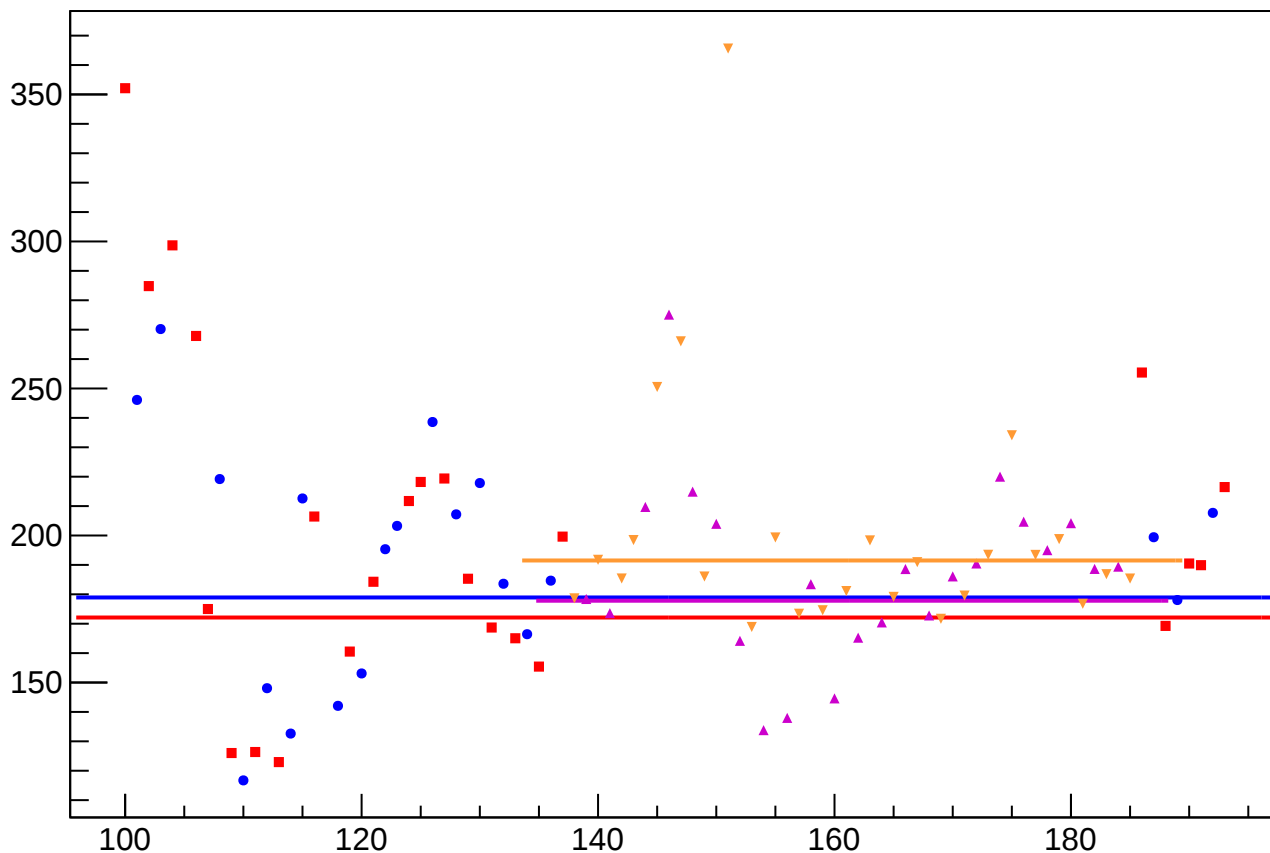
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -3840.939+/-37.245 χ^2/NDF : 138445.9/44

All: 1079.094+/-25.490 χ^2/NDF : 343061.1/91

- sign 5414.158+/-34.961 χ^2/NDF : 171789.8/46

asym_bpm0i02aWS_rms vs Slug



Right In: 178.926+/-0.046 χ^2/NDF : 730087.3/19

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 172.107+/-0.041 χ^2/NDF : 1093988.1/23

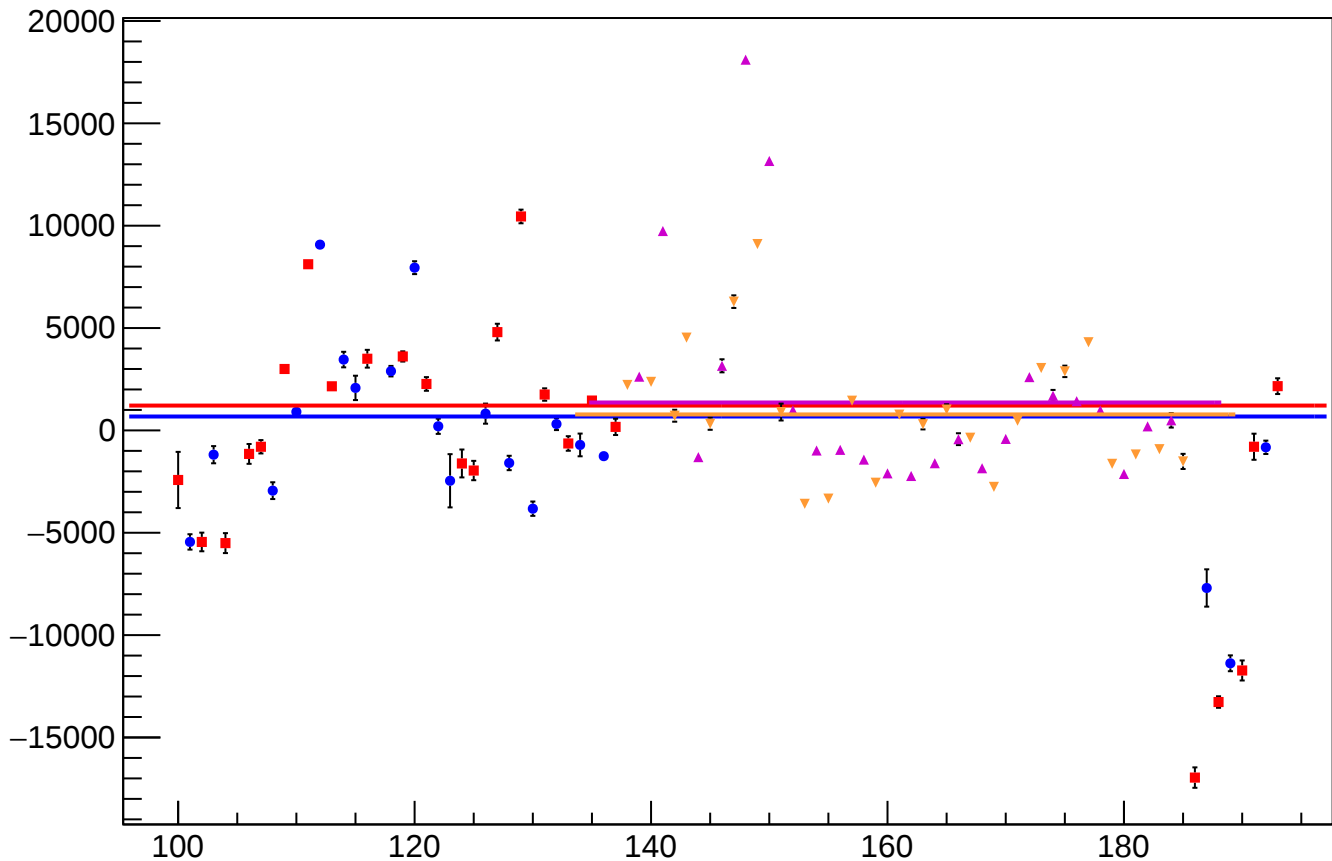
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 187.343+/-0.026 χ^2/NDF : 1507869.3/44

All: 181.166+/-0.018 χ^2/NDF : 3580235.2/91

- sign 175.724+/-0.025 χ^2/NDF : 1968894.9/46

asym_bpm0i05WS_mean vs Slug



Right In: 678.890 ± 73.629 $\chi^2/\text{NDF}: 3787.8/19$

Left Out: 779.983 ± 47.457 $\chi^2/\text{NDF}: 4260.8/24$

Right Out: 1213.011 ± 65.358 $\chi^2/\text{NDF}: 7669.6/23$

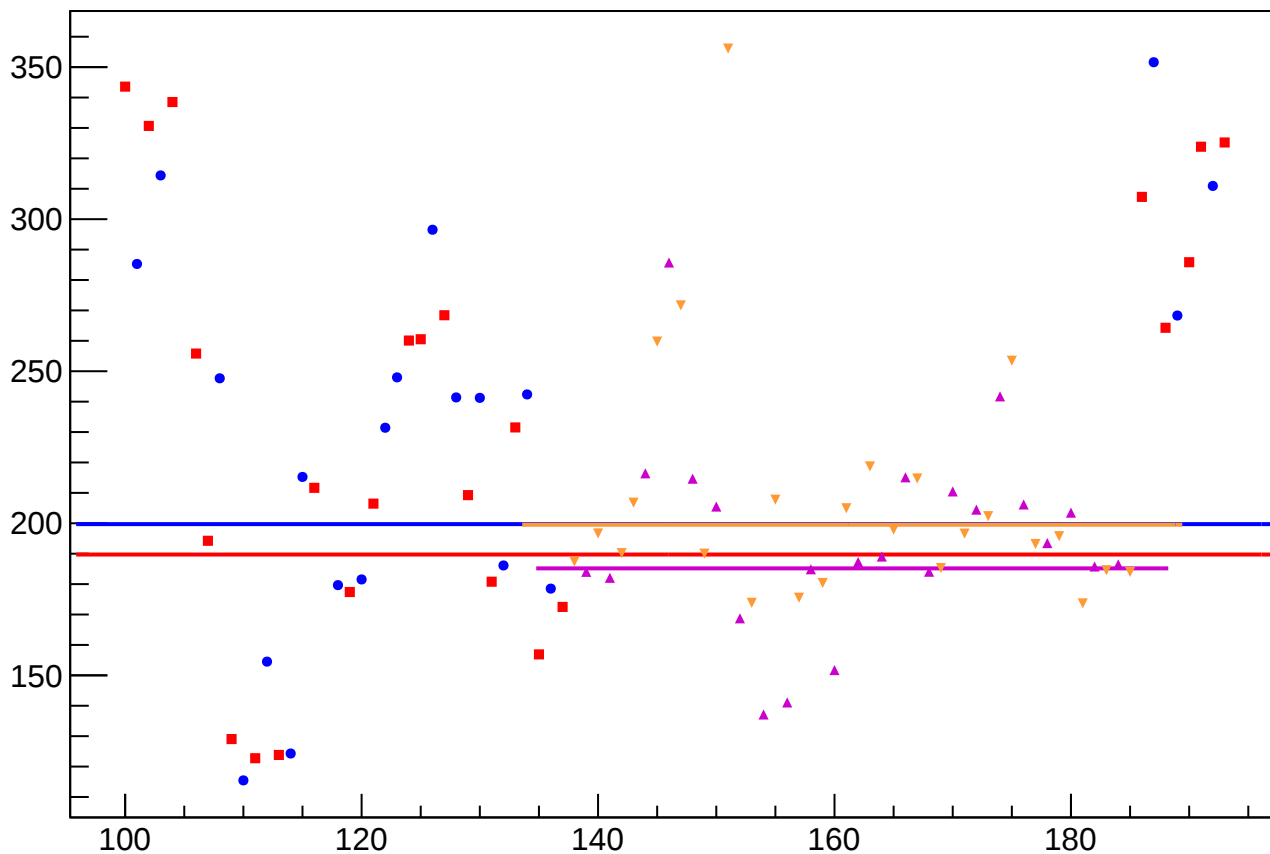
Left In: 1363.043 ± 45.807 $\chi^2/\text{NDF}: 11632.9/22$

+ sign 750.311 ± 39.889 $\chi^2/\text{NDF}: 8049.9/44$

All: 1049.258 ± 27.326 $\chi^2/\text{NDF}: 27461.7/91$

- sign 1313.623 ± 37.511 $\chi^2/\text{NDF}: 19306.0/46$

asym_bpm0i05WS_rms vs Slug



Right In: 199.724 ± 0.052 χ^2/NDF : 1360276.6/19

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 189.723 ± 0.046 χ^2/NDF : 2048642.0/23

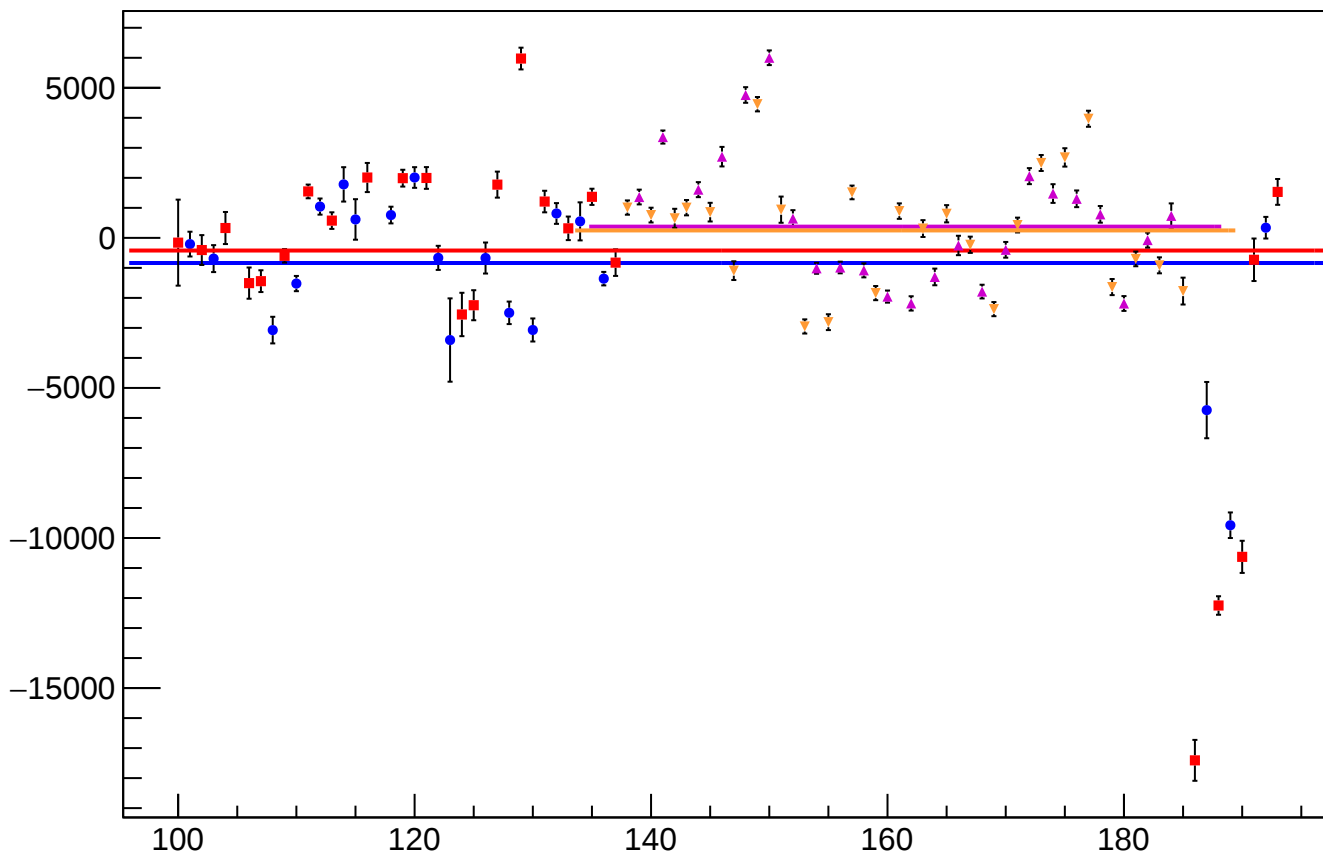
Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

+ sign 199.599 ± 0.028 χ^2/NDF : 2089641.1/44

All: 192.738 ± 0.019 χ^2/NDF : 5139042.5/91

- sign 186.670 ± 0.027 χ^2/NDF : 2937901.9/46

asym_bpm0i07WS_mean vs Slug



Right In: -836.936 ± 84.156 χ^2/NDF : 759.4/19

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -421.606 ± 76.375 χ^2/NDF : 3150.8/23

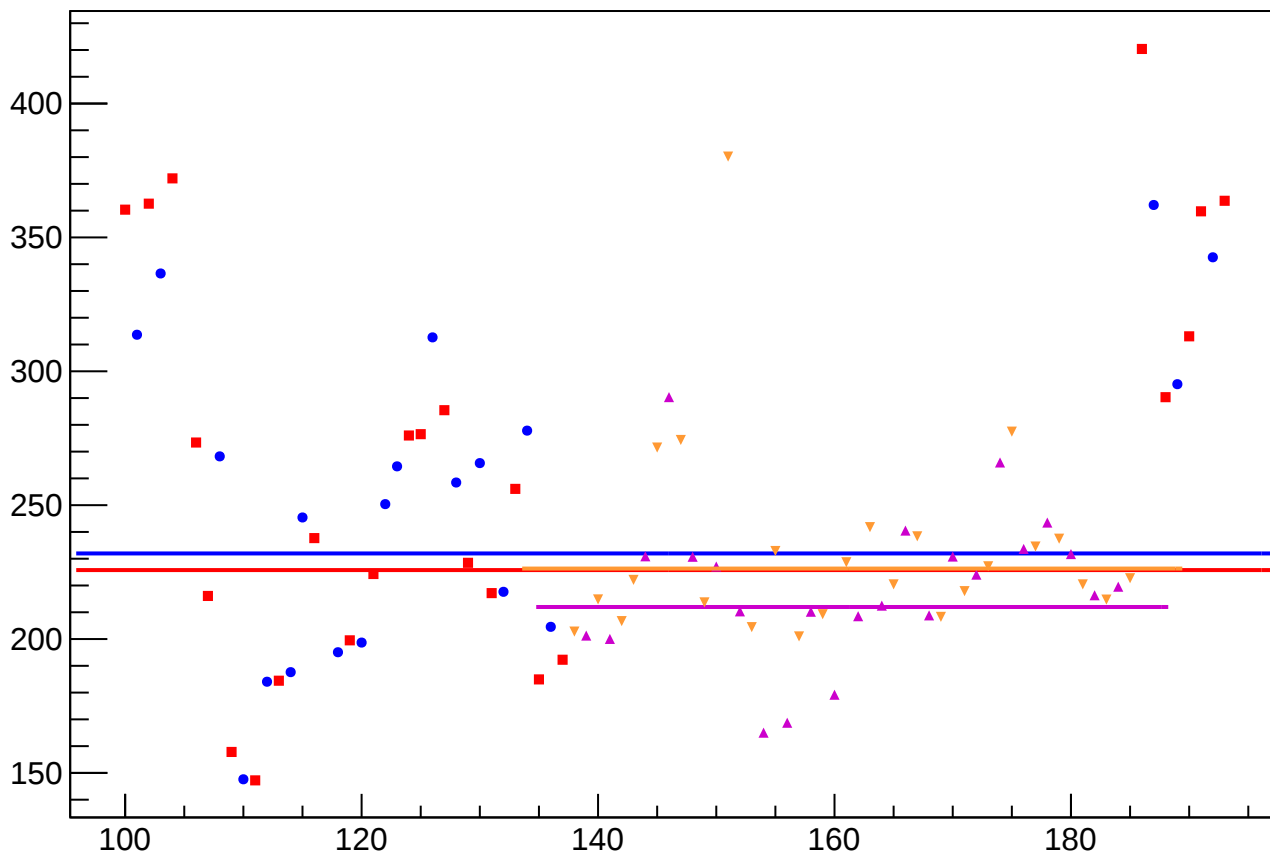
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -64.838 ± 45.182 χ^2/NDF : 2232.8/44

All: 33.054 ± 31.153 χ^2/NDF : 7267.7/91

- sign 121.765 ± 43.011 χ^2/NDF : 5025.9/46

asym_bpm0i07WS_rms vs Slug



Right In: 231.969 ± 0.060 χ^2/NDF : 945257.7/19

Left Out: 226.322 ± 0.038 χ^2/NDF : 521041.8/24

Right Out: 225.756 ± 0.054 χ^2/NDF : 1539234.0/23

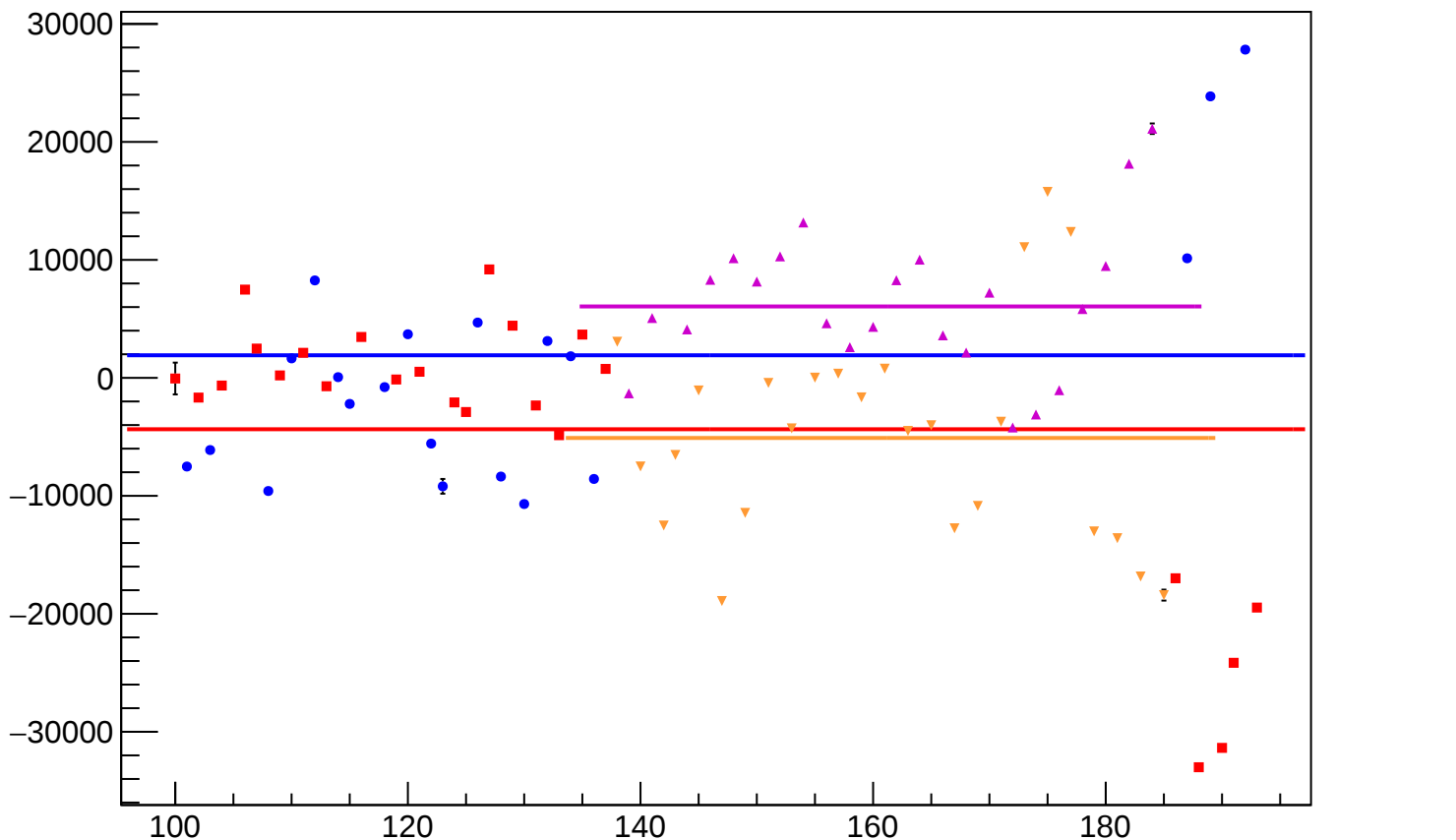
Left In: 211.970 ± 0.037 χ^2/NDF : 584344.5/22

+ sign 227.950 ± 0.032 χ^2/NDF : 1472710.3/44

All: 221.860 ± 0.022 χ^2/NDF : 3710033.5/91

- sign 216.342 ± 0.030 χ^2/NDF : 2168077.6/46

asym_bpm1i02WS_mean vs Slug



Right In: 1914.132 +/- 43.764 χ^2/NDF : 66286.8/19

Left Out: -5095.305 +/- 33.703 χ^2/NDF : 54395.4/24

Right Out: -4354.569 +/- 40.037 χ^2/NDF : 87720.0/23

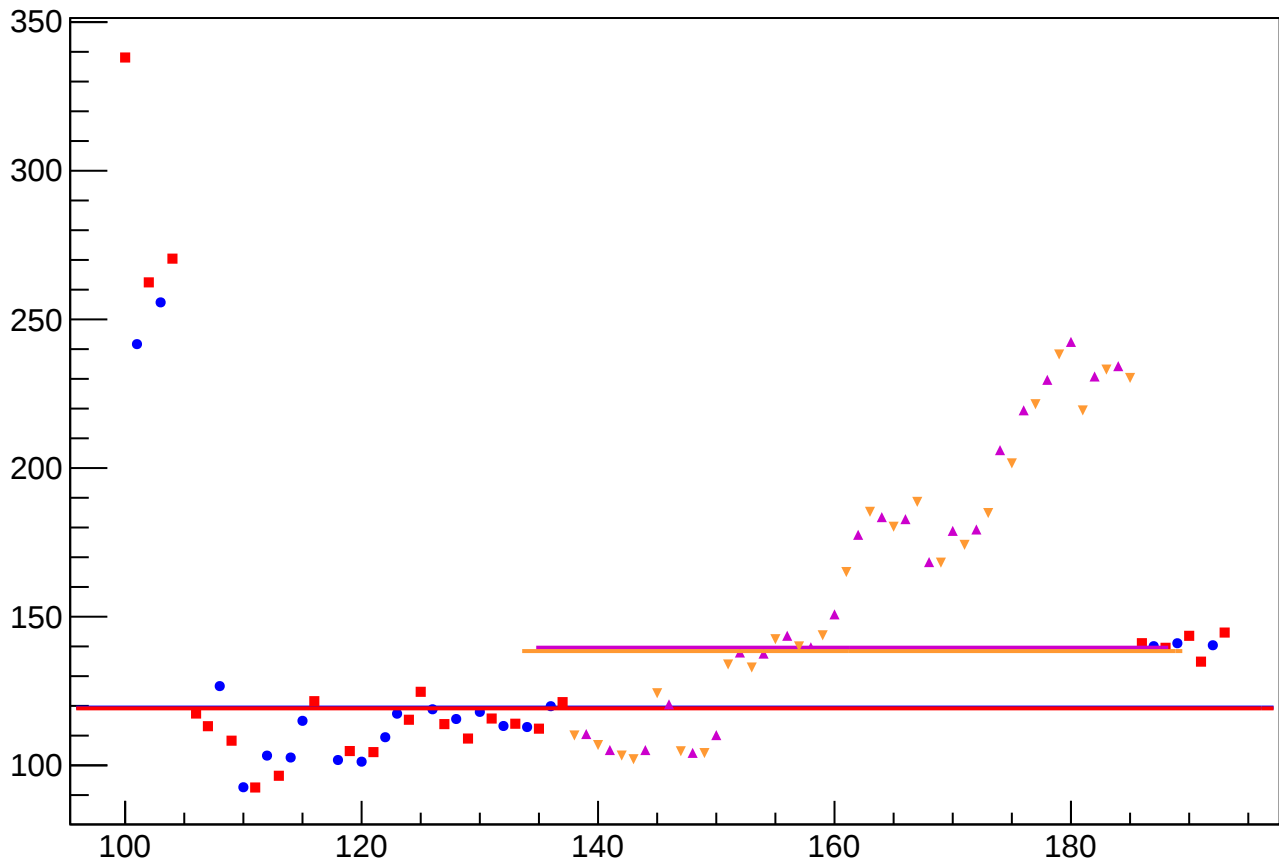
Left In: 6053.569 +/- 34.998 χ^2/NDF : 17590.3/22

+ sign -2485.785 +/- 26.703 χ^2/NDF : 136784.7/44

All: -443.417 +/- 18.756 χ^2/NDF : 291949.6/91

- sign 1545.352 +/- 26.350 χ^2/NDF : 143618.3/46

asym_bpm1i02WS_rms vs Slug



Right In: 119.434+/-0.031 χ^2/NDF : 824616.6/19

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 119.166+/-0.028 χ^2/NDF : 955369.8/23

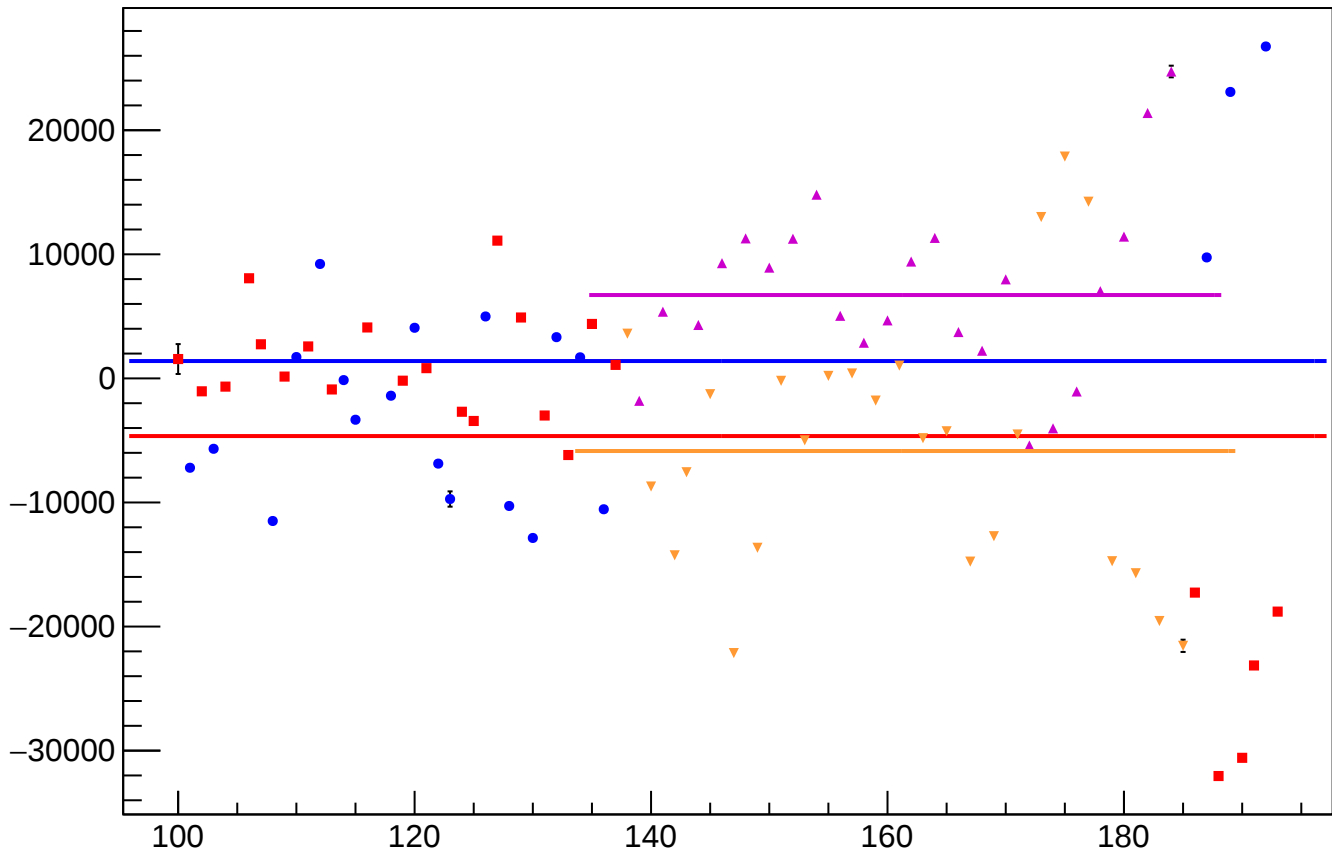
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 131.362+/-0.019 χ^2/NDF : 3610721.8/44

All: 131.045+/-0.013 χ^2/NDF : 7274970.3/91

- sign 130.737+/-0.019 χ^2/NDF : 3663693.3/46

asym_bpm2i01WS_mean vs Slug



Right In: 1398.755 $\pm$ 44.390 χ^2 /NDF: 71278.6/19

Left Out: -5852.544 $\pm$ 35.880 χ^2 /NDF: 63411.4/24

+ sign -2987.099 $\pm$ 27.904 χ^2 /NDF: 150830.2/44

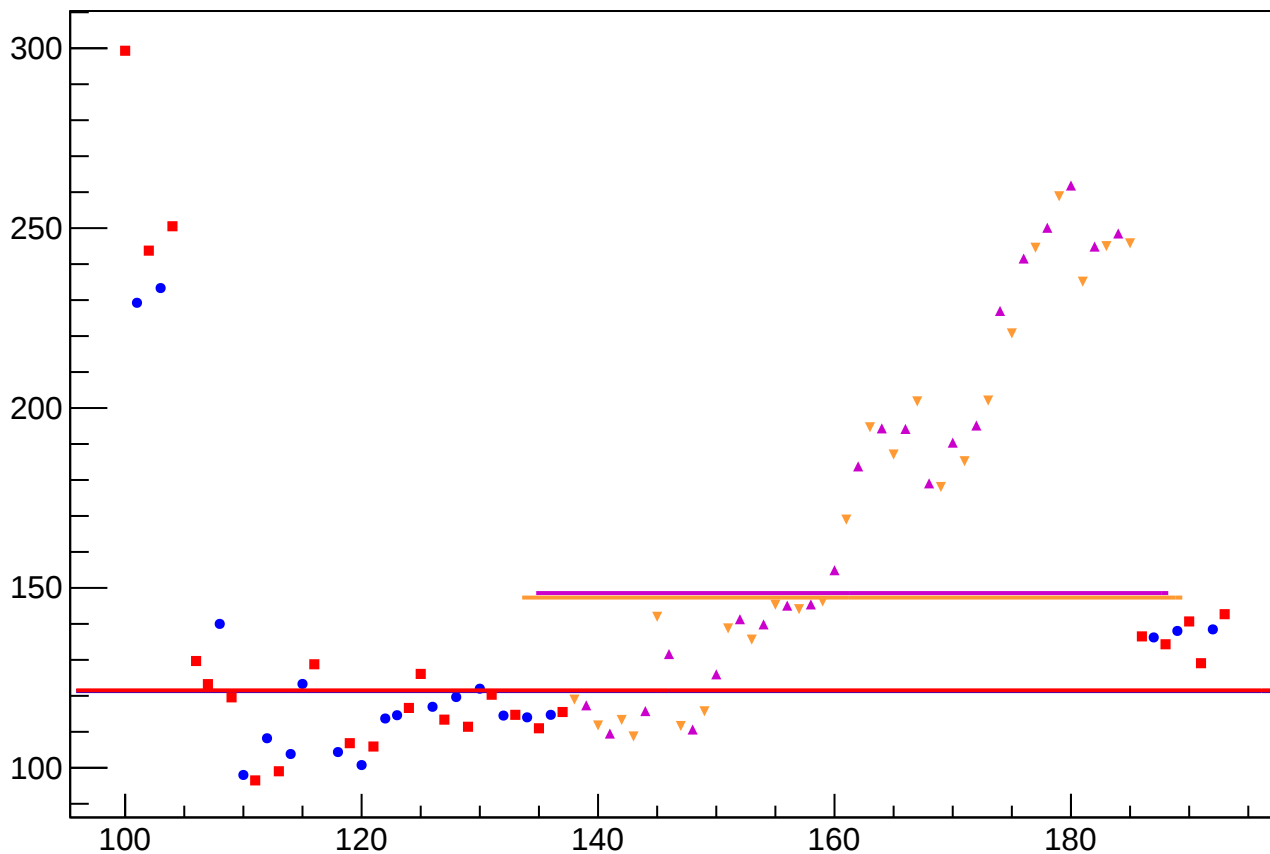
Right Out: -4647.488 $\pm$ 40.740 χ^2 /NDF: 89504.6/23

All: -691.007 $\pm$ 19.587 χ^2 /NDF: 316983.0/91

- sign 1539.259 $\pm$ 27.501 χ^2 /NDF: 152805.3/46

Left In: 6718.475 $\pm$ 37.276 χ^2 /NDF: 20934.3/22

asym_bpm2i01WS_rms vs Slug



Right In: 121.324+/-0.031 χ^2/NDF : 689879.9/19

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 121.519+/-0.029 χ^2/NDF : 780114.7/23

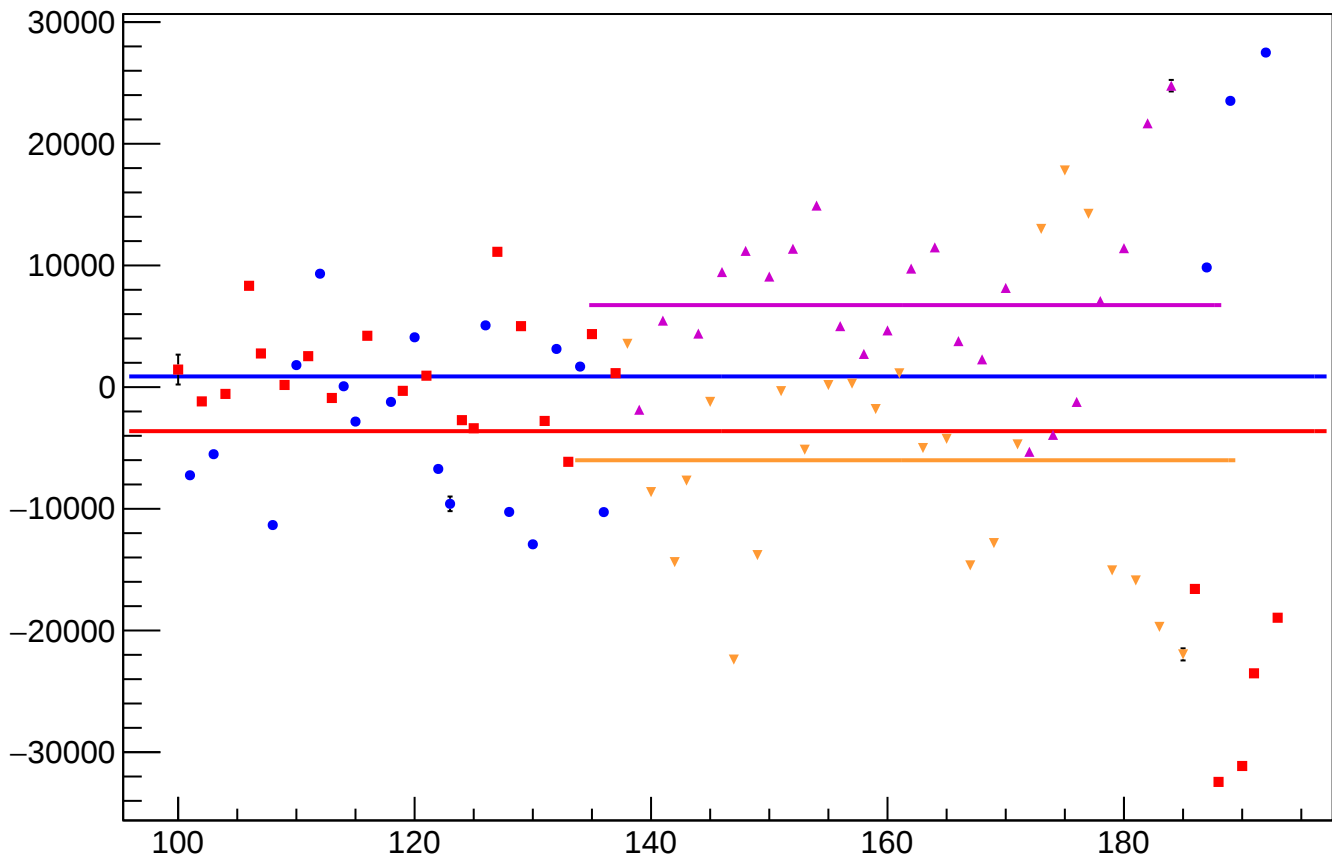
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 137.046+/-0.020 χ^2/NDF : 3616348.1/44

All: 136.638+/-0.014 χ^2/NDF : 7270394.3/91

- sign 136.243+/-0.019 χ^2/NDF : 3653206.1/46

asym_bpm2i02WS_mean vs Slug



Right In: 879.118 ± 43.269 χ^2/NDF : 69833.5/19

Left Out: -6009.913 ± 35.082 χ^2/NDF : 67852.2/24

Right Out: -3618.121 ± 39.982 χ^2/NDF : 83496.8/23

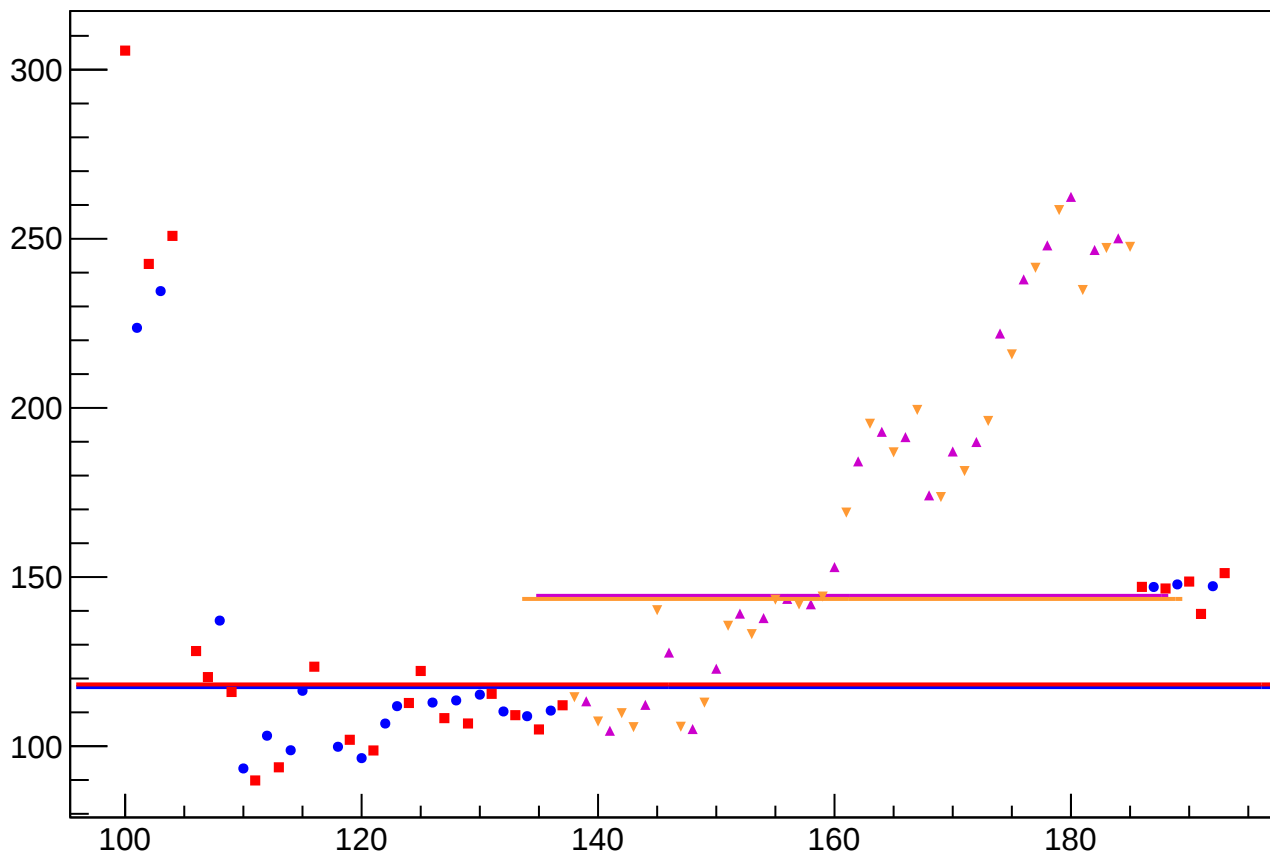
Left In: 6740.666 ± 36.379 χ^2/NDF : 22071.8/22

+ sign -3277.404 ± 27.251 χ^2/NDF : 152980.5/44

All: -580.538 ± 19.147 χ^2/NDF : 314615.2/91

- sign 2048.942 ± 26.908 χ^2/NDF : 142291.0/46

asym_bpm2i02WS_rms vs Slug



Right In: 117.468 $\pm$ 0.031 χ^2 /NDF: 825274.2/19

Left Out: 143.531 $\pm$ 0.025 χ^2 /NDF: 2704790.3/24

Right Out: 118.252 $\pm$ 0.028 χ^2 /NDF: 1014412.9/23

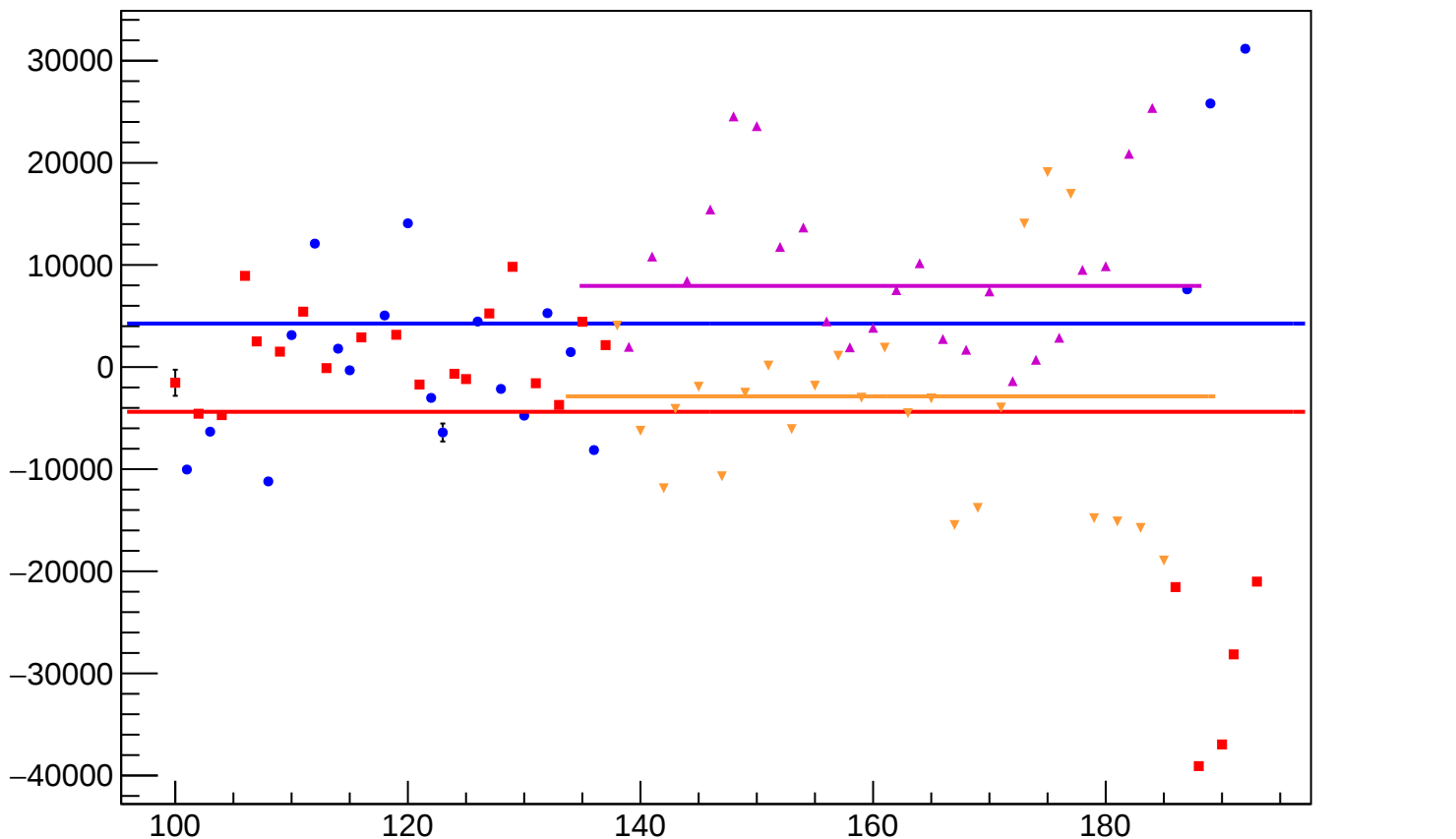
Left In: 144.440 $\pm$ 0.026 χ^2 /NDF: 2586926.1/22

+ sign 133.193 $\pm$ 0.019 χ^2 /NDF: 3967898.3/44

All: 132.882 $\pm$ 0.014 χ^2 /NDF: 8039139.2/91

- sign 132.579 $\pm$ 0.019 χ^2 /NDF: 4070726.7/46

asym_bpm0i01WS_mean vs Slug



Right In: 4260.834 ± 52.156 χ^2/NDF : 51425.3/19

Left Out: -2870.473 ± 39.482 χ^2/NDF : 46420.3/24

Right Out: -4381.617 ± 48.236 χ^2/NDF : 82019.5/23

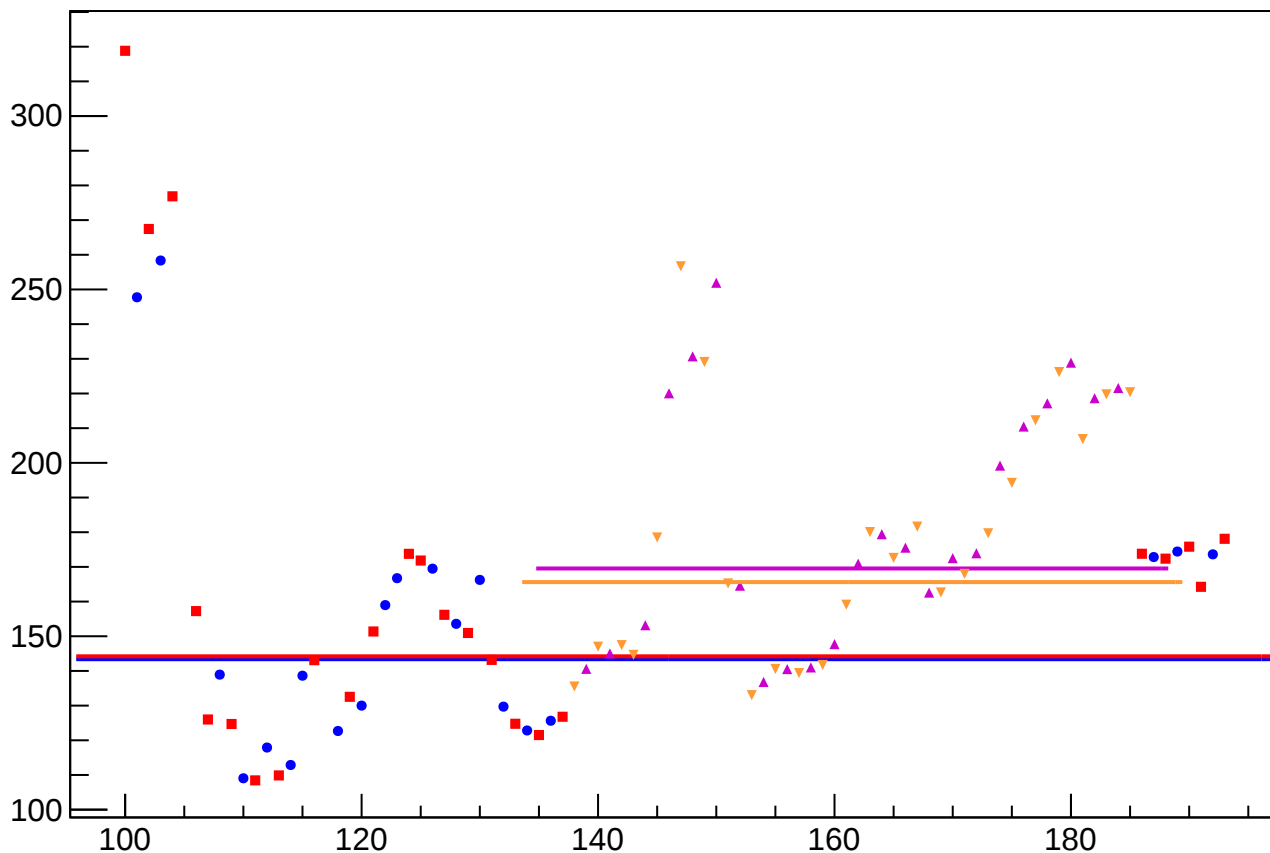
Left In: 7947.160 ± 41.726 χ^2/NDF : 23874.5/22

+ sign -272.578 ± 31.480 χ^2/NDF : 109730.3/44

All: 1195.276 ± 22.287 χ^2/NDF : 257349.9/99

- sign 2670.387 ± 31.557 χ^2/NDF : 143260.4/46

asym_bpm0i01WS_rms vs Slug



Right In: 143.389+/-0.037 χ^2/NDF : 775869.4/19

Left Out: 165.616+/-0.028 χ^2/NDF :1144779.3/24

Right Out: 144.213+/-0.034 χ^2/NDF : 939264.5/23

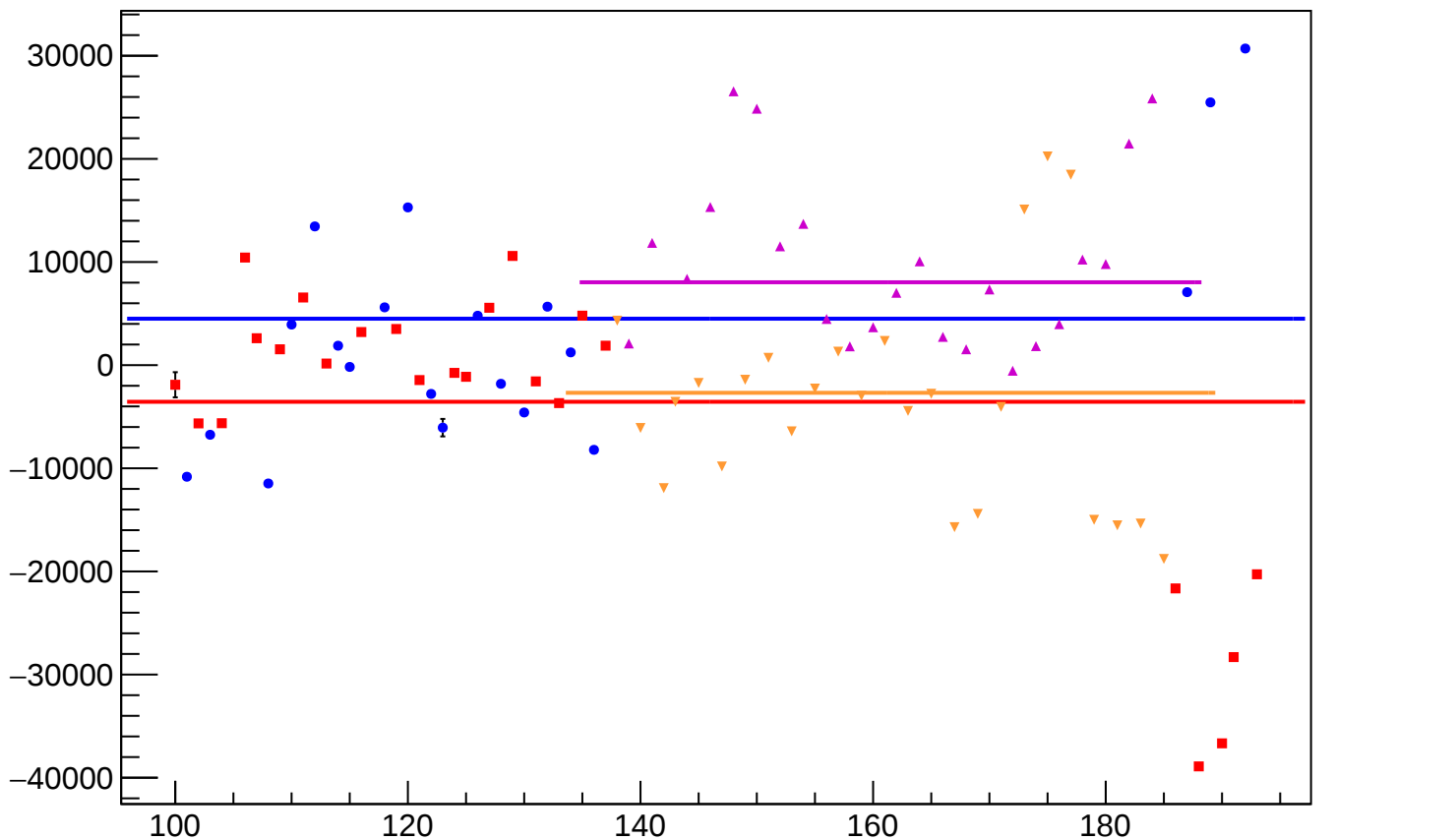
Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

+ sign 157.519+/-0.022 χ^2/NDF : 2151566.5/44

All: 158.109+/-0.016 χ^2/NDF : 4566893.1/91

- sign 158.701+/-0.022 χ^2/NDF : 2413920.2/46

asym_bpm0i01aWS_mean vs Slug



Right In: 4503.210+/-43.588 χ^2/NDF : 71478.9/19

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

+ sign 210.155+/-27.648 χ^2/NDF : 144530.8/44

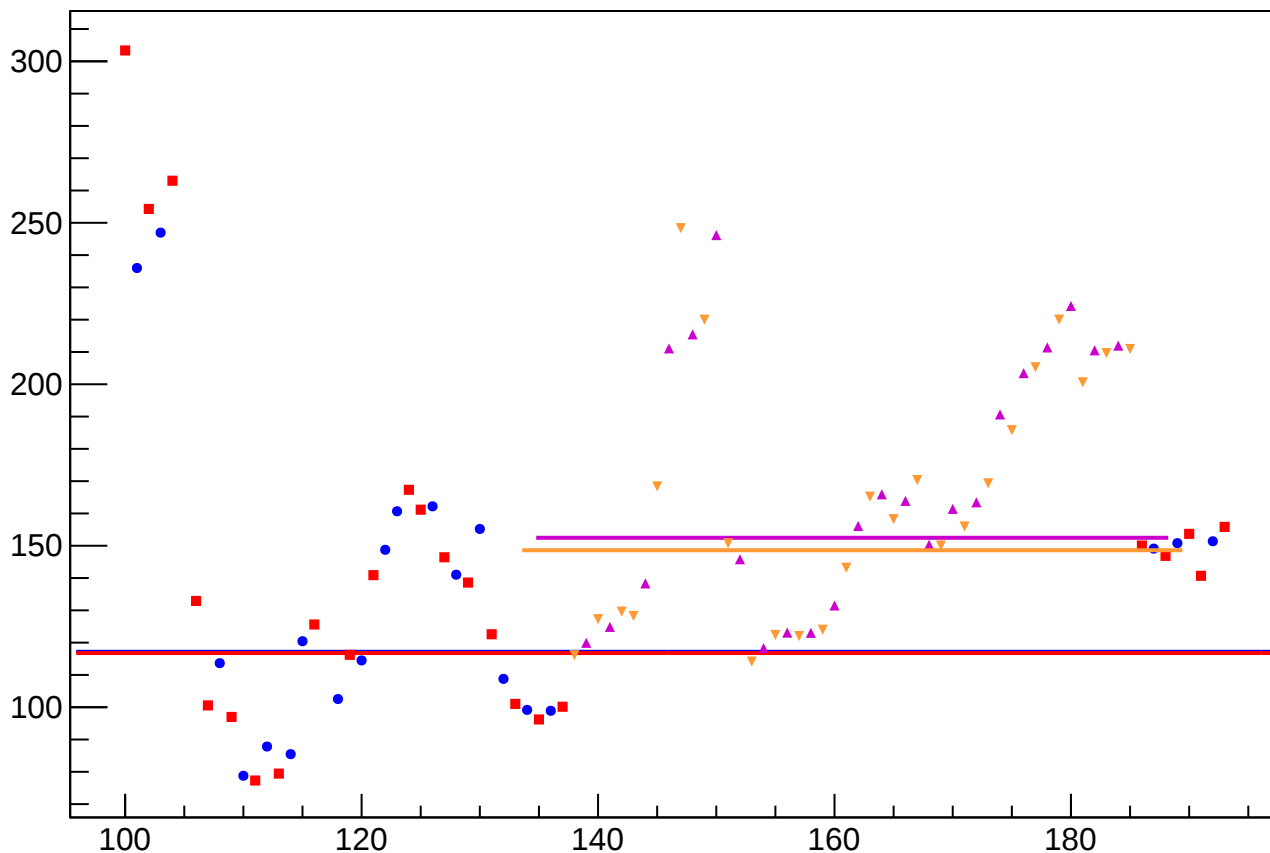
Right Out: -3551.509+/-39.993 χ^2/NDF : 115006.9/23

All: 1385.613+/-19.504 χ^2/NDF : 336605.0/93

Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

- sign 2550.111+/-27.519 χ^2/NDF : 188476.0/46

asym_bpm0i01aWS_rms vs Slug



Right In: 117.160 $\pm$ 0.031 χ^2 /NDF: 1298551.4/19

Left Out: 148.611 $\pm$ 0.025 χ^2 /NDF:1685424.1/24

Right Out: 116.779 $\pm$ 0.028 χ^2 /NDF: 1575076.3/23

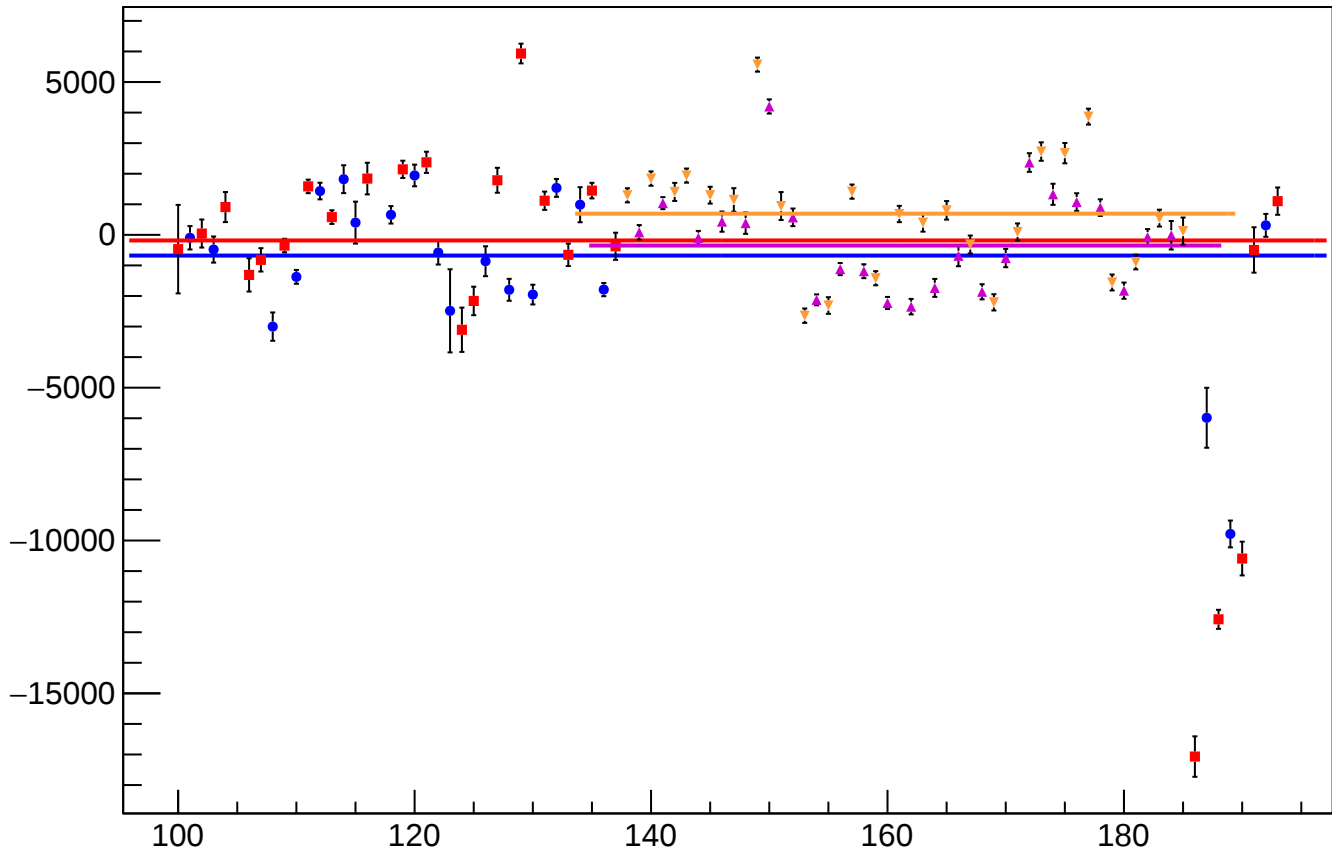
Left In: 152.463 $\pm$ 0.027 χ^2 /NDF:1691517.7/22

+ sign 135.956 $\pm$ 0.020 χ^2 /NDF: 3606305.7/44

All: 135.761 $\pm$ 0.014 χ^2 /NDF: 7711501.0/91

- sign 135.568 $\pm$ 0.019 χ^2 /NDF: 4104996.7/46

asym_bpm0l01WS_mean vs Slug



Right In: -677.659 ± 80.317 χ^2/NDF : 791.9/19

Left Out: 692.998 ± 54.303 χ^2/NDF : 1422.0/24

Right Out: -183.053 ± 72.832 χ^2/NDF : 3301.0/23

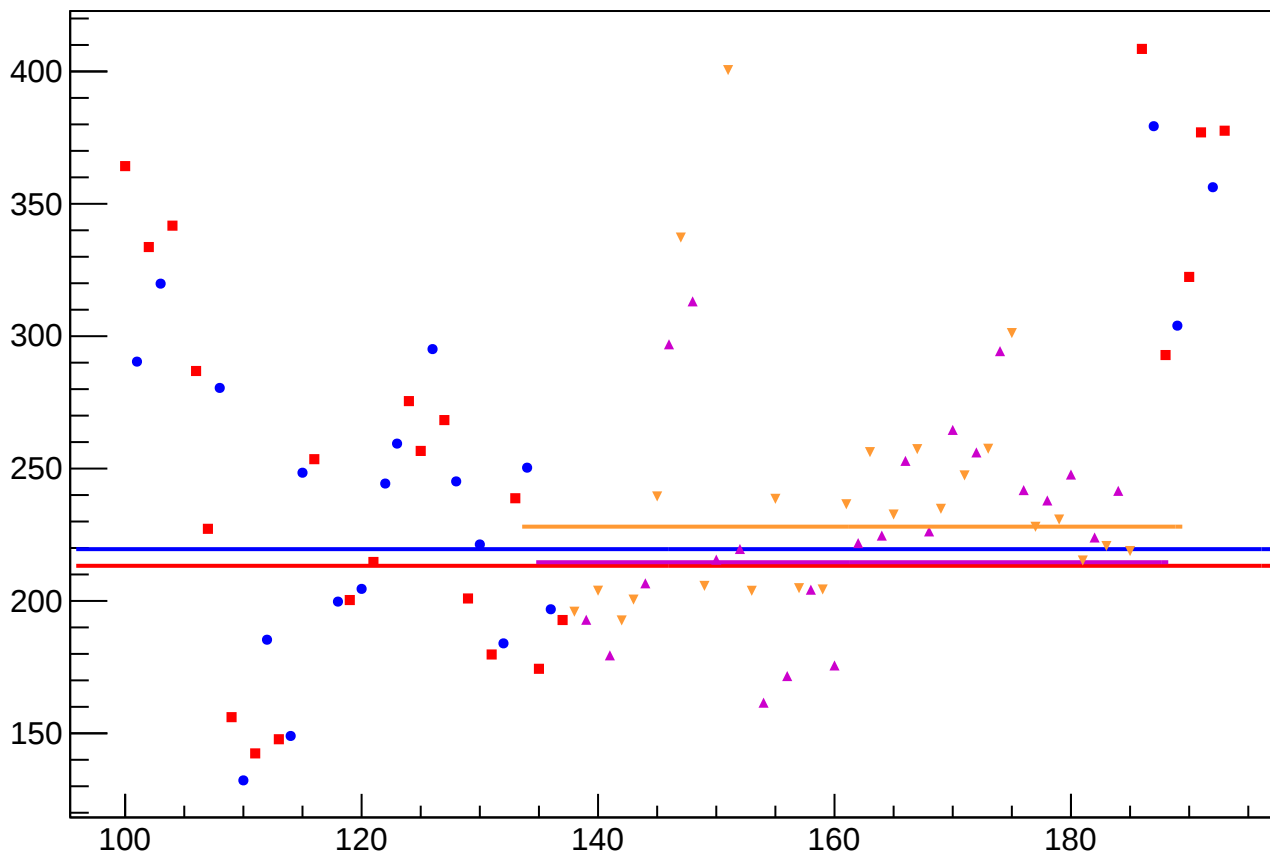
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 262.996 ± 44.986 χ^2/NDF : 2413.8/44

All: -27.548 ± 31.048 χ^2/NDF : 6778.8/91

- sign -291.821 ± 42.904 χ^2/NDF : 4285.4/46

asym_bpm0l01WS_rms vs Slug



Right In: 219.564 $\pm$ 0.057 χ^2 /NDF: 1125210.3/19

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF:826343.8/24

Right Out: 213.271 $\pm$ 0.052 χ^2 /NDF: 1766530.4/23

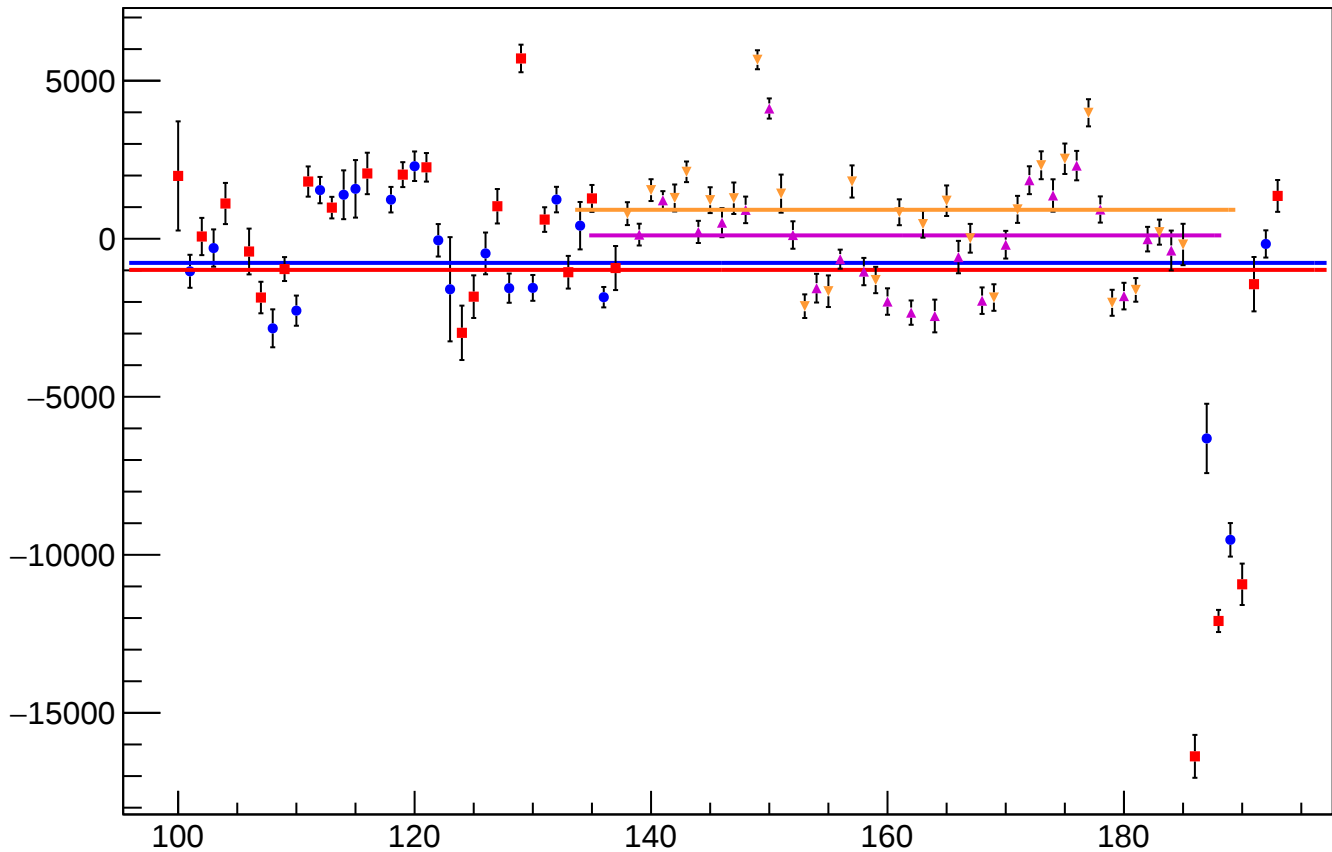
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF:1025683.3/22

+ sign 225.395 $\pm$ 0.032 χ^2 /NDF: 1966917.0/44

All: 219.510 $\pm$ 0.022 χ^2 /NDF: 4824950.3/91

- sign 214.157 $\pm$ 0.030 χ^2 /NDF: 2792666.3/46

asym_bpm0l02WS_mean vs Slug



Right In: -763.693 ± 113.637 $\chi^2/\text{NDF}: 482.9/19$

Left Out: 915.968 ± 83.398 $\chi^2/\text{NDF}: 618.3/24$

Right Out: -985.309 ± 103.633 $\chi^2/\text{NDF}: 2292.3/23$

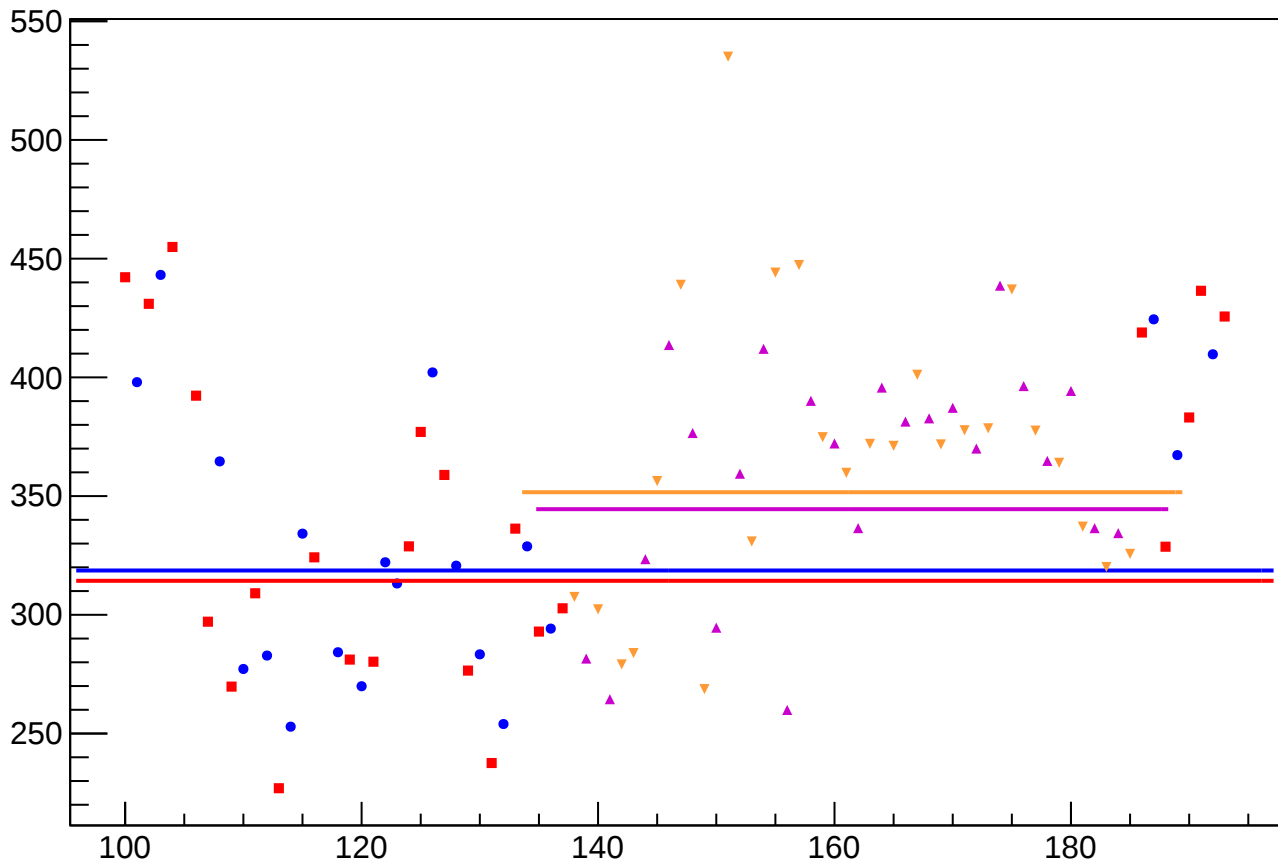
Left In: 106.116 ± 84.393 $\chi^2/\text{NDF}: 390.3/22$

+ sign 327.978 ± 67.234 $\chi^2/\text{NDF}: 1243.2/44$

All: -9.437 ± 46.894 $\chi^2/\text{NDF}: 4041.4/91$

- sign -329.075 ± 65.439 $\chi^2/\text{NDF}: 2749.2/46$

asym_bpm0l02WS_rms vs Slug



Right In: 318.665 $\pm$ 0.080 χ^2 /NDF: 462899.9/19

Left Out: 351.633 $\pm$ 0.059 χ^2 /NDF: 907849.3/24

Right Out: 314.322 $\pm$ 0.073 χ^2 /NDF: 737162.2/23

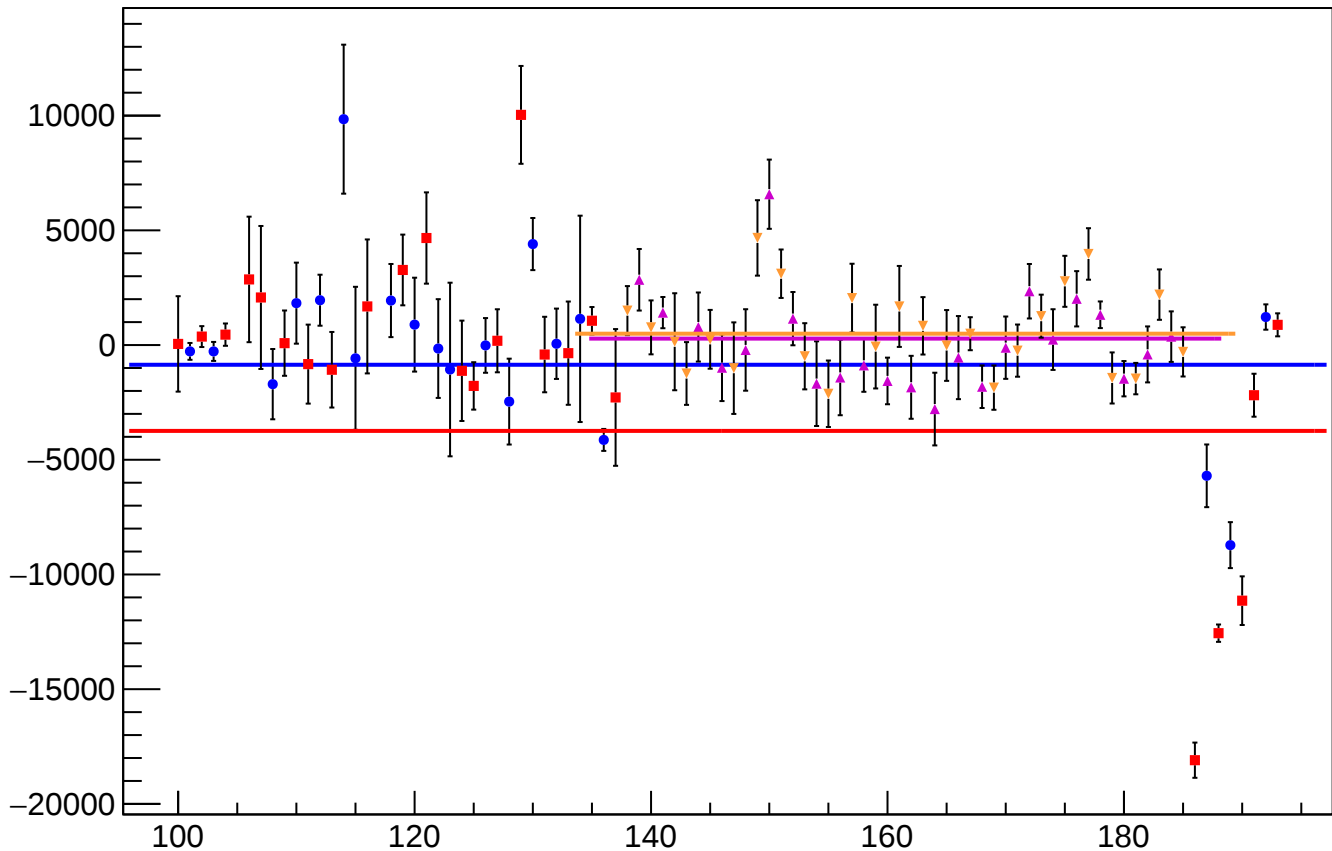
Left In: 344.491 $\pm$ 0.060 χ^2 /NDF: 768885.4/22

+ sign 340.092 $\pm$ 0.048 χ^2 /NDF: 1480156.1/44

All: 336.173 $\pm$ 0.033 χ^2 /NDF: 3101345.3/91

- sign 332.461 $\pm$ 0.046 χ^2 /NDF: 1607959.7/46

asym_bpm0l03WS_mean vs Slug



Right In: -859.142 ± 191.107 $\chi^2/\text{NDF}: 186.8/19$

Left Out: 495.014 ± 231.058 $\chi^2/\text{NDF}: 56.2/24$

Right Out: -3741.993 ± 177.955 $\chi^2/\text{NDF}: 1379.2/23$

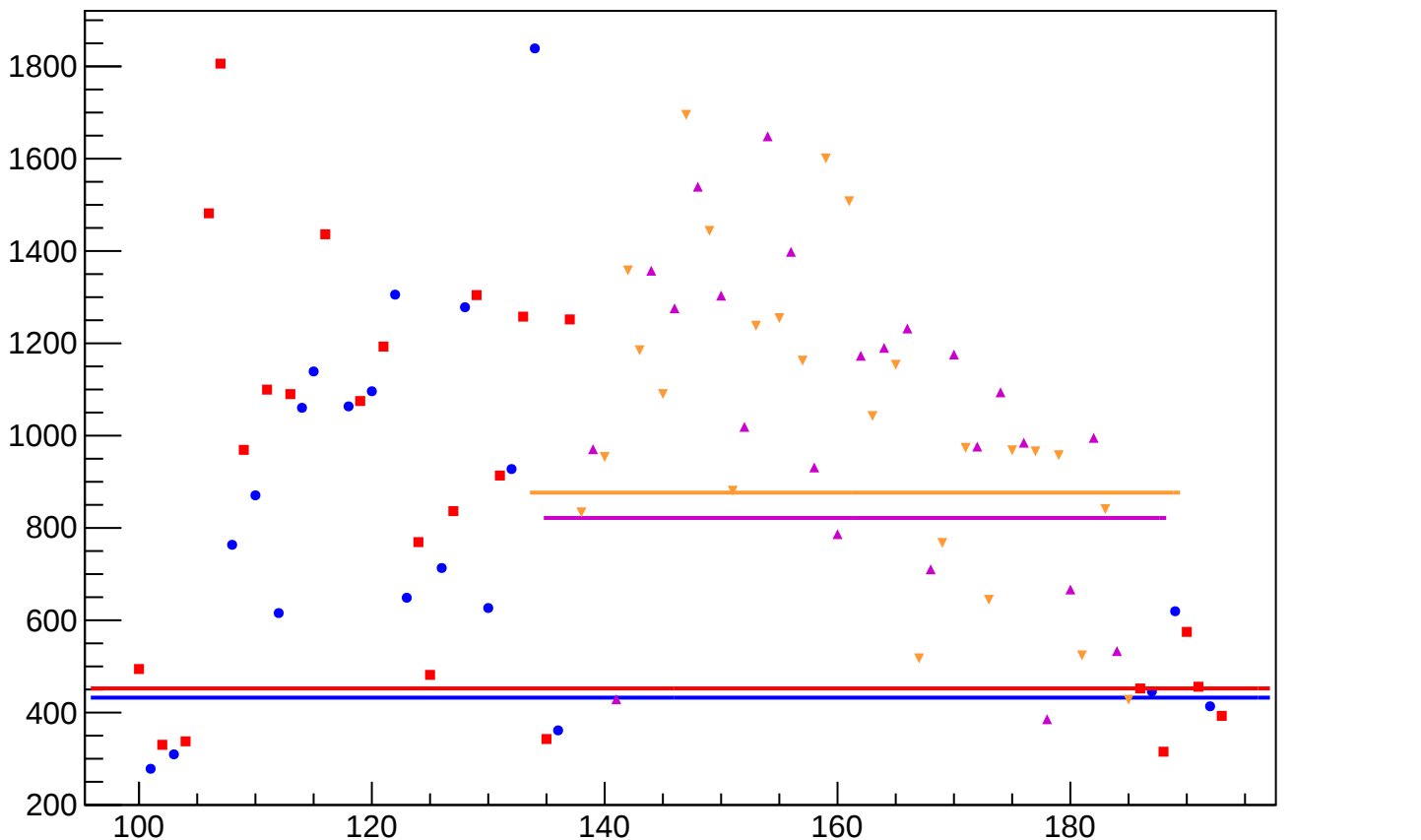
Left In: 280.692 ± 232.048 $\chi^2/\text{NDF}: 57.2/22$

+ sign -309.074 ± 147.263 $\chi^2/\text{NDF}: 263.5/44$

All: -1321.439 ± 101.924 $\chi^2/\text{NDF}: 1979.8/91$

- sign -2252.296 ± 141.211 $\chi^2/\text{NDF}: 1625.6/46$

asym_bpm0l03WS_rms vs Slug



Right In: 432.388+/-0.135 χ^2/NDF : 2936981.8/19

Left Out: 876.560+/-0.163 χ^2/NDF : 3434698.7/24

Right Out: 452.406+/-0.126 χ^2/NDF : 4055163.3/23

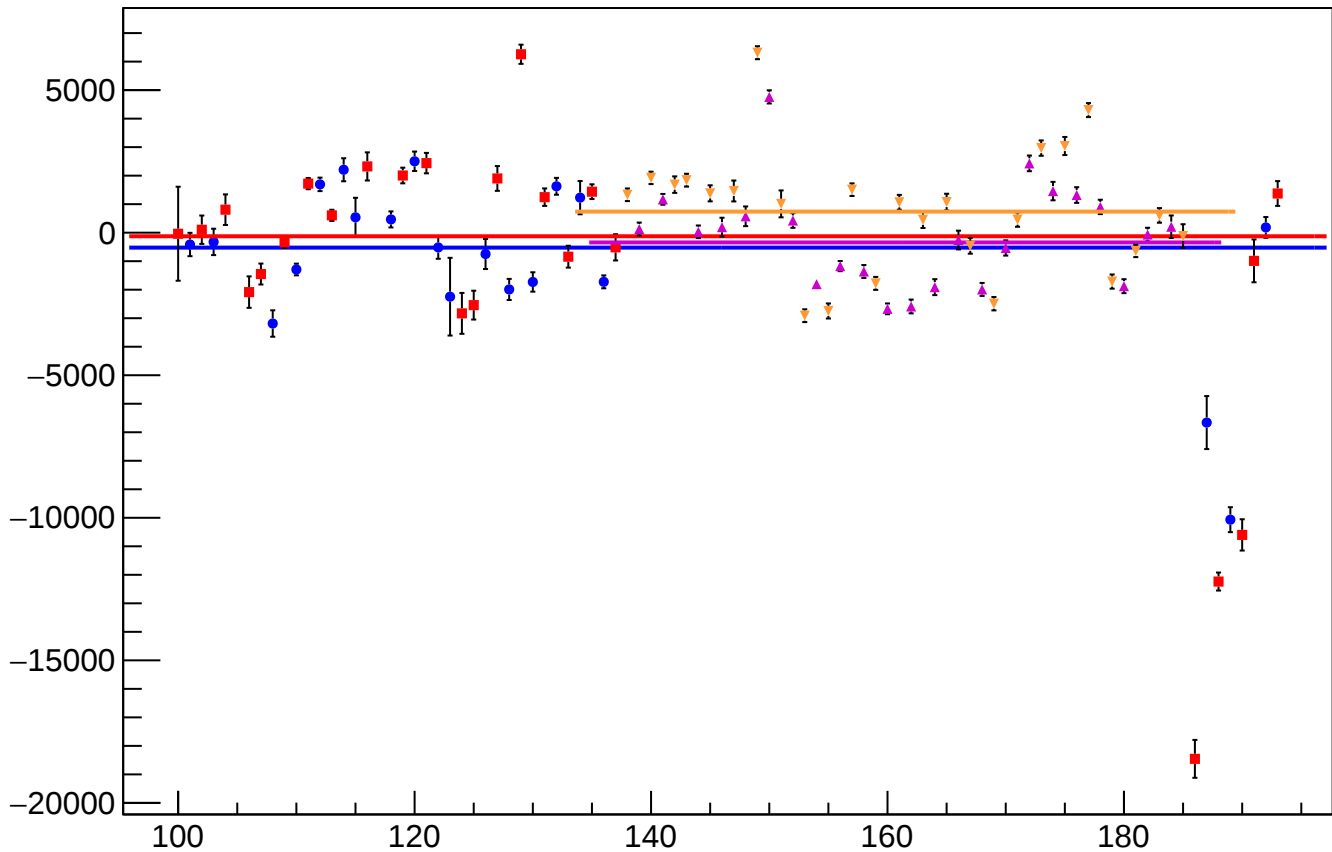
Left In: 821.657+/-0.164 χ^2/NDF : 4443094.2/22

+ sign 612.814+/-0.104 χ^2/NDF : 10760275.2/44

All: 600.485+/-0.072 χ^2/NDF : 22474314.6/91

- sign 589.149+/-0.100 χ^2/NDF : 11687132.1/46

asym_bpm0l04WS_mean vs Slug



Right In: -524.189 ± 78.896 χ^2/NDF : 917.5/19

Left Out: 738.847 ± 51.649 χ^2/NDF : 1935.2/24

Right Out: -126.161 ± 70.715 χ^2/NDF : 3358.0/23

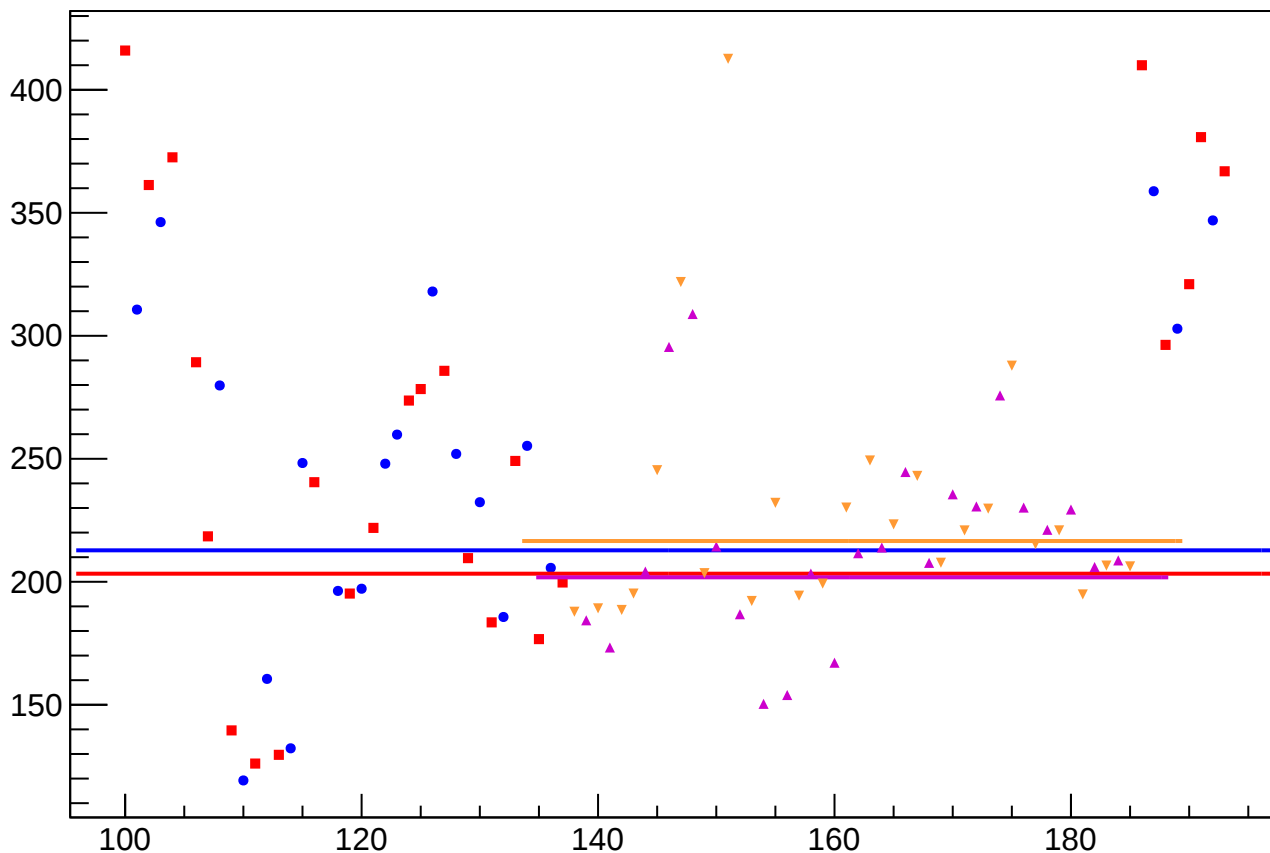
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 359.944 ± 43.213 χ^2/NDF : 3032.1/44

All: 27.128 ± 29.685 χ^2/NDF : 7763.5/91

- sign -270.284 ± 40.850 χ^2/NDF : 4619.1/46

asym_bpm0l04WS_rms vs Slug



Right In: 212.789 $\pm$ 0.056 χ^2 /NDF: 1493478.7/19

Left Out: 216.574 $\pm$ 0.037 χ^2 /NDF: 886214.1/24

Right Out: 203.292 $\pm$ 0.050 χ^2 /NDF: 2342466.8/23

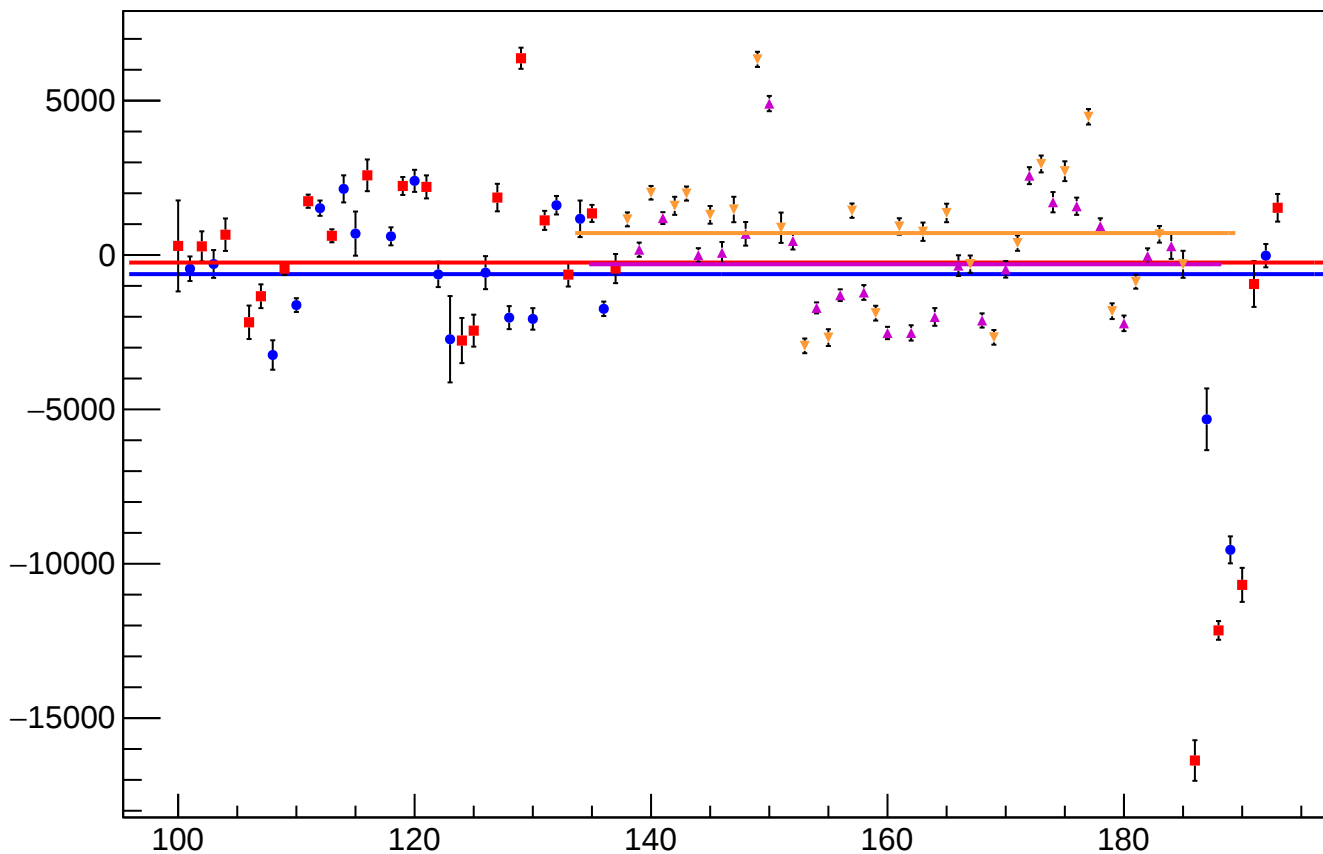
Left In: 201.805 $\pm$ 0.035 χ^2 /NDF: 1087243.4/22

+ sign 215.439 $\pm$ 0.031 χ^2 /NDF: 2382914.6/44

All: 208.501 $\pm$ 0.021 χ^2 /NDF: 5910829.7/91

- sign 202.301 $\pm$ 0.029 χ^2 /NDF: 3430299.1/46

asym_bpm0l05WS_mean vs Slug



Right In: -619.222 ± 81.745 χ^2/NDF : 820.7/19

Left Out: 711.174 ± 53.245 χ^2/NDF : 1835.3/24

Right Out: -244.203 ± 73.333 χ^2/NDF : 3271.6/23

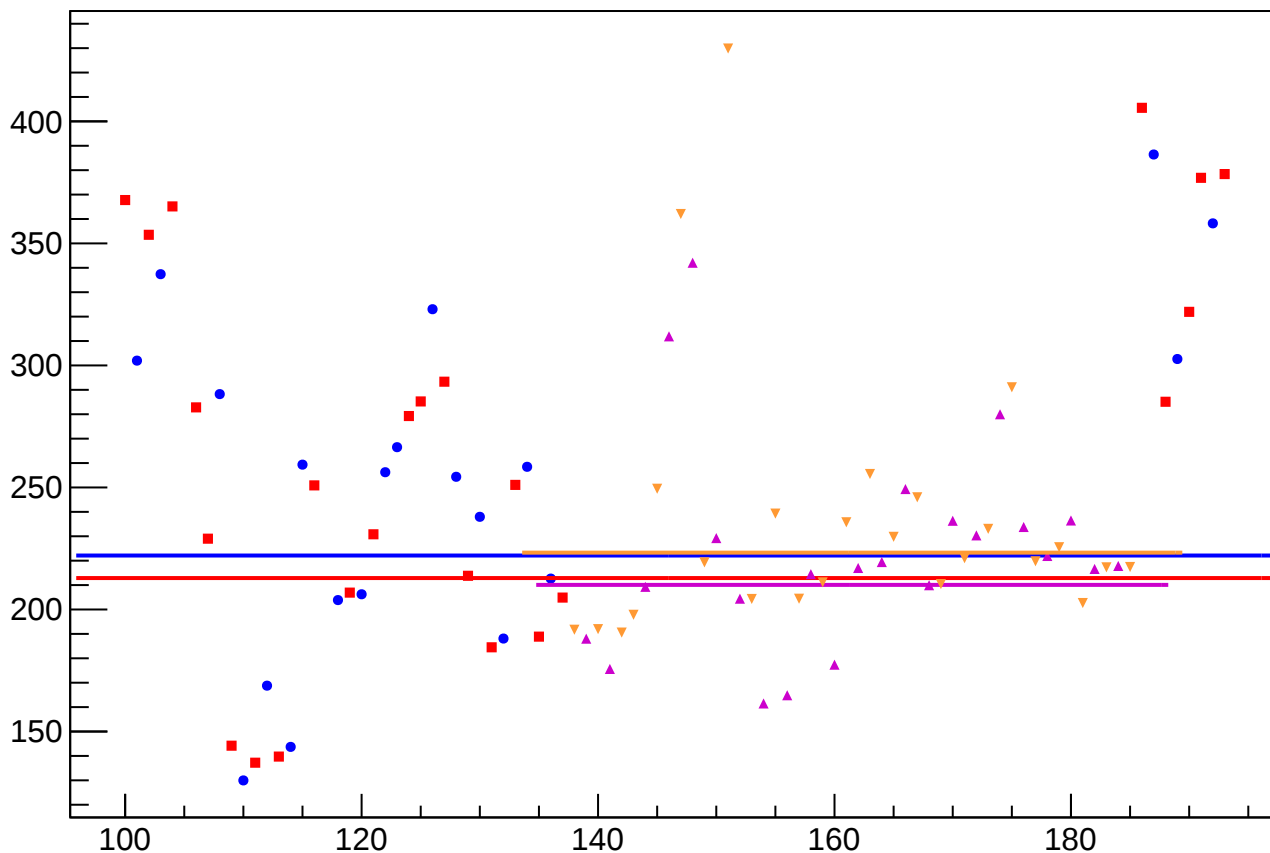
Left In: -300.516 ± 51.984 χ^2/NDF : 1208.6/22

+ sign 314.871 ± 44.615 χ^2/NDF : 2842.0/44

All: 1.482 ± 30.738 χ^2/NDF : 7416.5/91

- sign -281.683 ± 42.409 χ^2/NDF : 4480.6/46

asym_bpm0l05WS_rms vs Slug



Right In: 222.112 ± 0.058 $\chi^2/\text{NDF}: 1290819.2/19$

Left Out: 223.296 ± 0.038 $\chi^2/\text{NDF}: 922768.4/24$

Right Out: 212.879 ± 0.052 $\chi^2/\text{NDF}: 2025989.6/23$

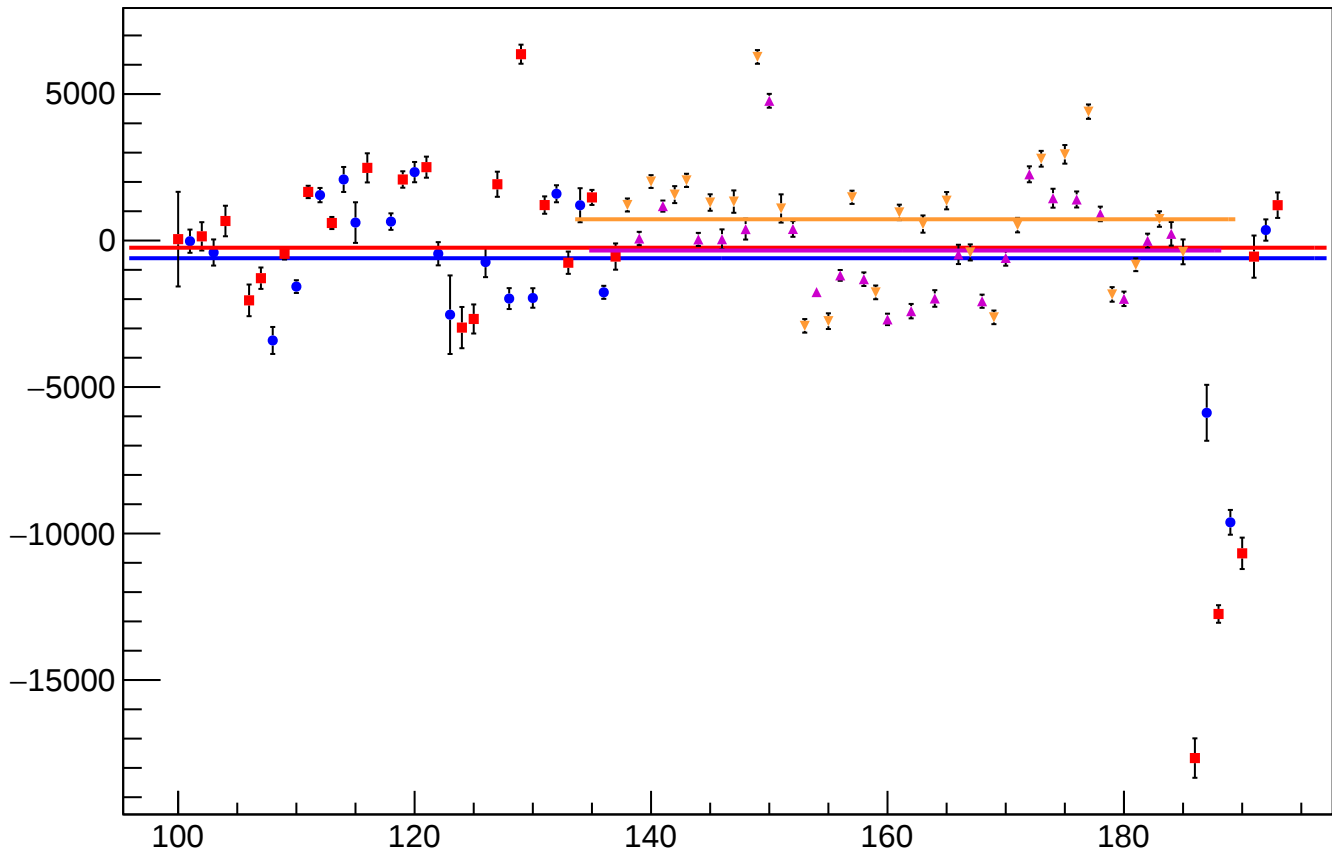
Left In: 210.080 ± 0.037 $\chi^2/\text{NDF}: 1015274.5/22$

+ sign 222.944 ± 0.032 $\chi^2/\text{NDF}: 2213882.3/44$

All: 216.678 ± 0.022 $\chi^2/\text{NDF}: 5332177.8/91$

- sign 211.016 ± 0.030 $\chi^2/\text{NDF}: 3043203.6/46$

asym_bpm0l06WS_mean vs Slug



Right In: -603.410 ± 79.199 $\chi^2/\text{NDF}: 891.6/19$

Left Out: 725.866 ± 52.158 $\chi^2/\text{NDF}: 1912.7/24$

Right Out: -244.769 ± 70.785 $\chi^2/\text{NDF}: 3622.0/23$

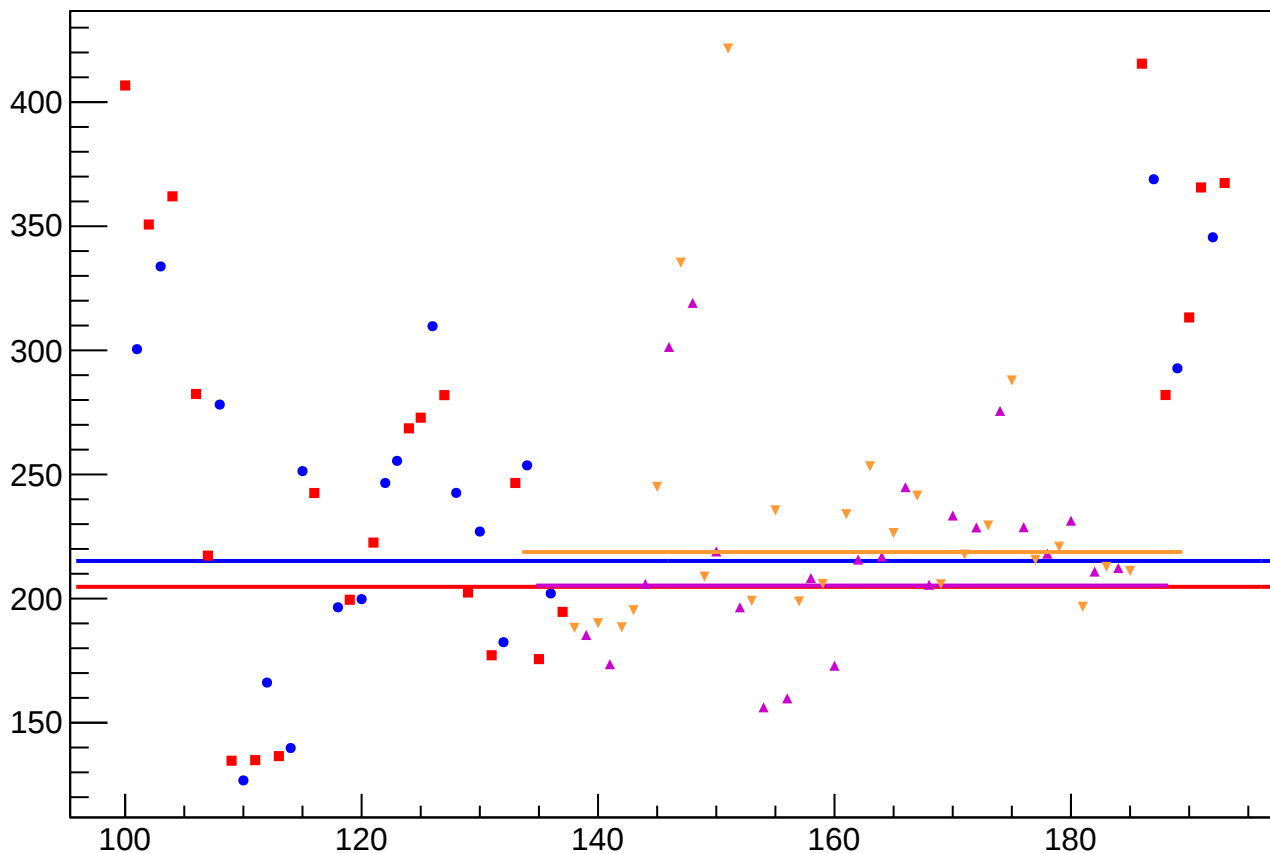
Left In: -340.502 ± 50.802 $\chi^2/\text{NDF}: 1201.8/22$

+ sign 323.743 ± 43.560 $\chi^2/\text{NDF}: 3000.8/44$

All: -9.128 ± 29.960 $\chi^2/\text{NDF}: 7936.7/91$

- sign -307.955 ± 41.273 $\chi^2/\text{NDF}: 4825.1/46$

asym_bpm0l06WS_rms vs Slug



Right In: 215.161 $\pm$ 0.056 χ^2 /NDF: 1277544.6/19

Left Out: 218.768 $\pm$ 0.037 χ^2 /NDF: 896914.5/24

Right Out: 204.737 $\pm$ 0.050 χ^2 /NDF: 2131908.1/23

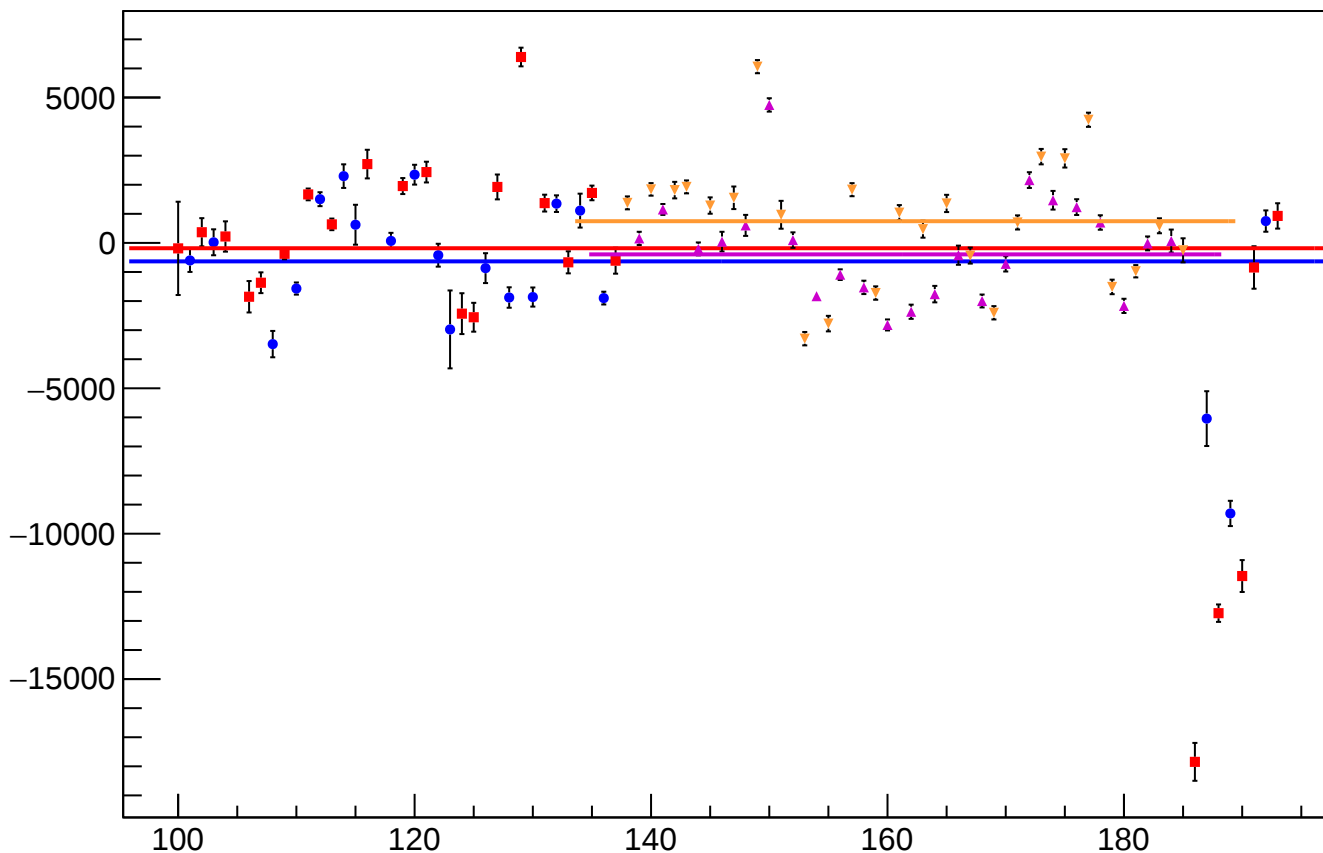
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 217.677 $\pm$ 0.031 χ^2 /NDF: 2177353.7/44

All: 211.036 $\pm$ 0.021 χ^2 /NDF: 5394704.6/91

- sign 205.075 $\pm$ 0.029 χ^2 /NDF: 3129145.9/46

asym_bpm0l07WS_mean vs Slug



Right In: -635.032 ± 78.005 χ^2/NDF : 845.1/19

Left Out: 746.405 ± 51.592 χ^2/NDF : 1942.1/24

Right Out: -183.352 ± 69.456 χ^2/NDF : 3755.2/23

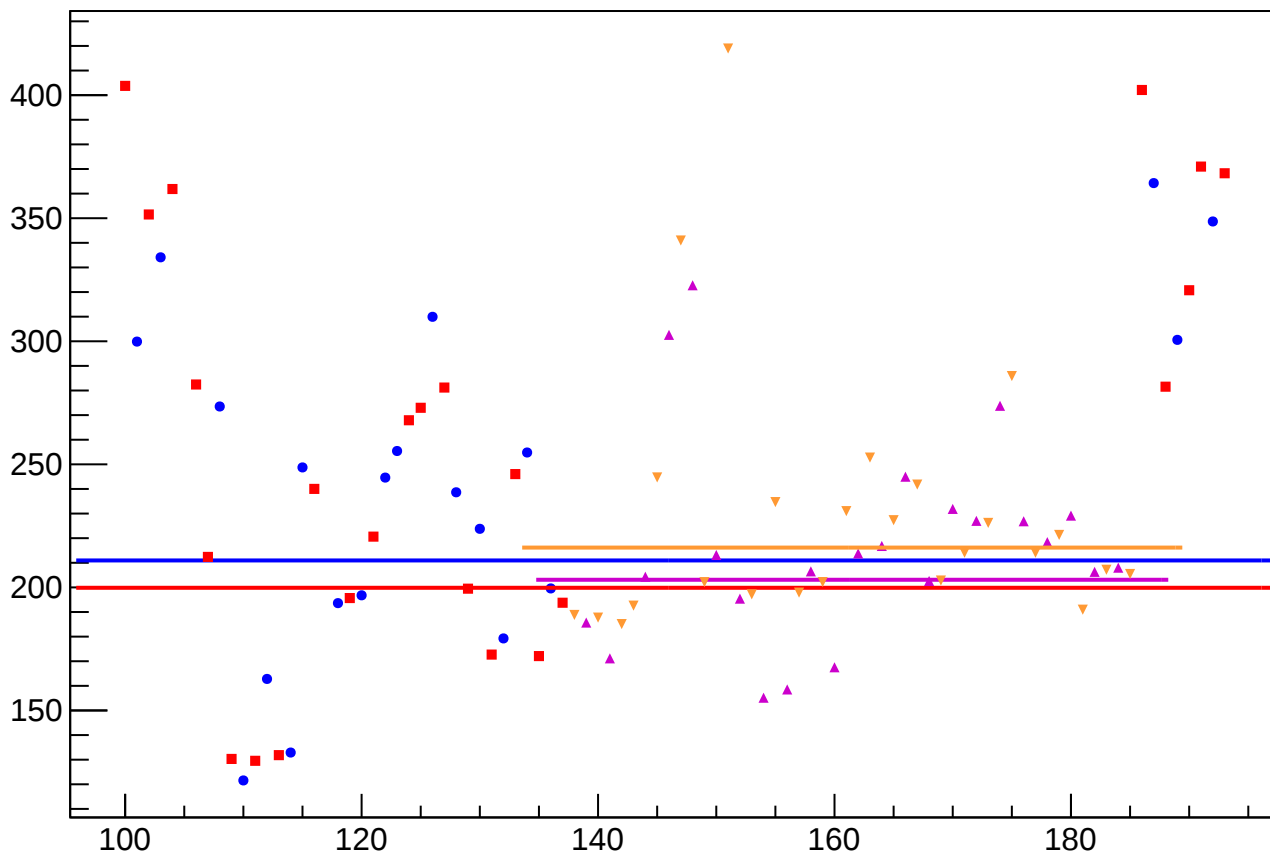
Left In: -394.379 ± 50.311 χ^2/NDF : 1236.4/22

+ sign 326.008 ± 43.031 χ^2/NDF : 3005.4/44

All: -15.541 ± 29.586 χ^2/NDF : 8122.6/91

- sign -321.757 ± 40.745 χ^2/NDF : 4997.7/46

asym_bpm0l07WS_rms vs Slug



Right In: 210.952 $\pm$ 0.055 χ^2 /NDF: 1397932.1/19

Left Out: 216.178 $\pm$ 0.036 χ^2 /NDF: 946050.8/24

Right Out: 199.844 $\pm$ 0.049 χ^2 /NDF: 2290477.0/23

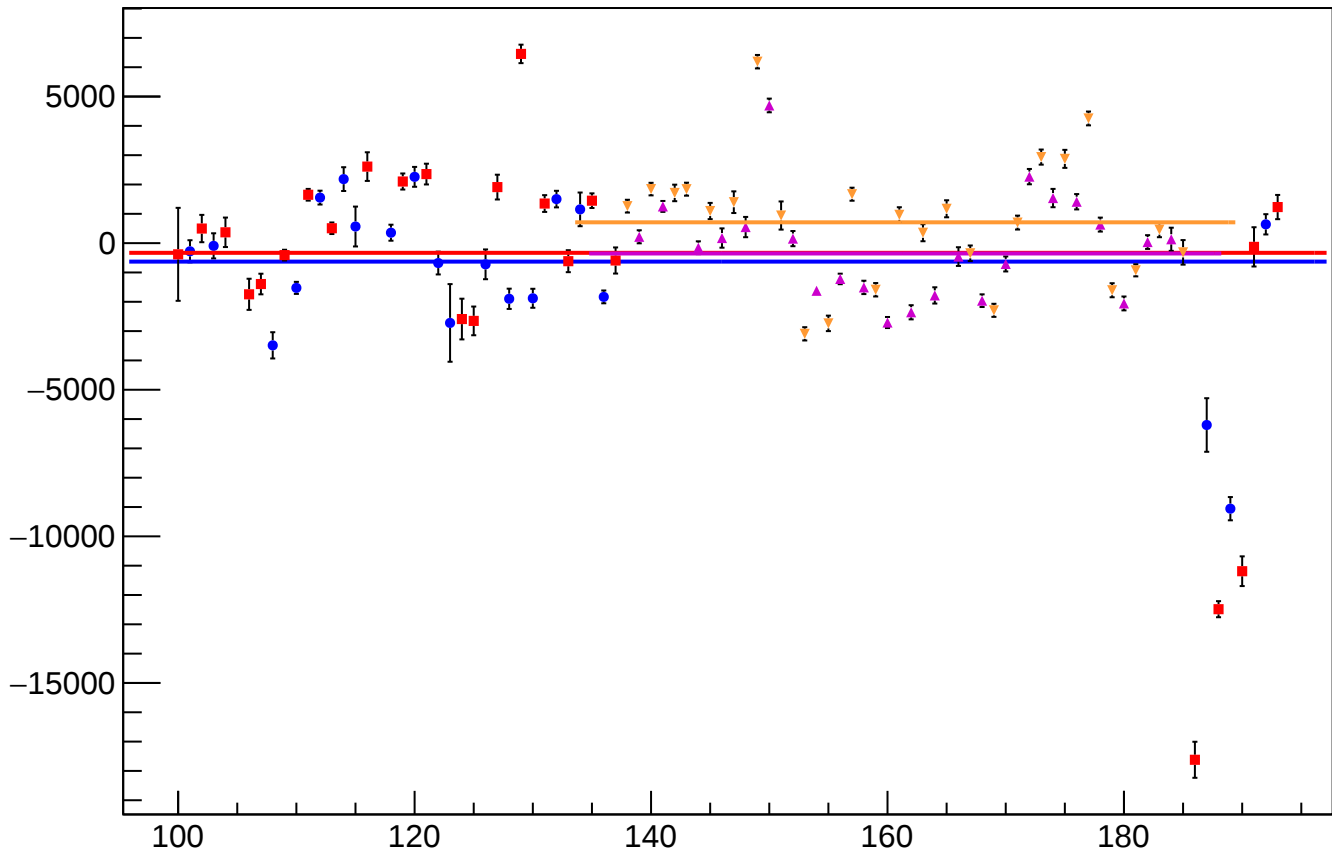
Left In: 203.101 $\pm$ 0.036 χ^2 /NDF: 1038013.0/22

+ sign 214.587 $\pm$ 0.030 χ^2 /NDF: 2350228.2/44

All: 207.940 $\pm$ 0.021 χ^2 /NDF: 5772121.7/91

- sign 201.980 $\pm$ 0.029 χ^2 /NDF: 3331373.6/46

asym_bpm0l08WS_mean vs Slug



Right In: -629.898 ± 76.520 χ^2/NDF : 914.7/19

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: -330.233 ± 67.876 χ^2/NDF : 4153.2/23

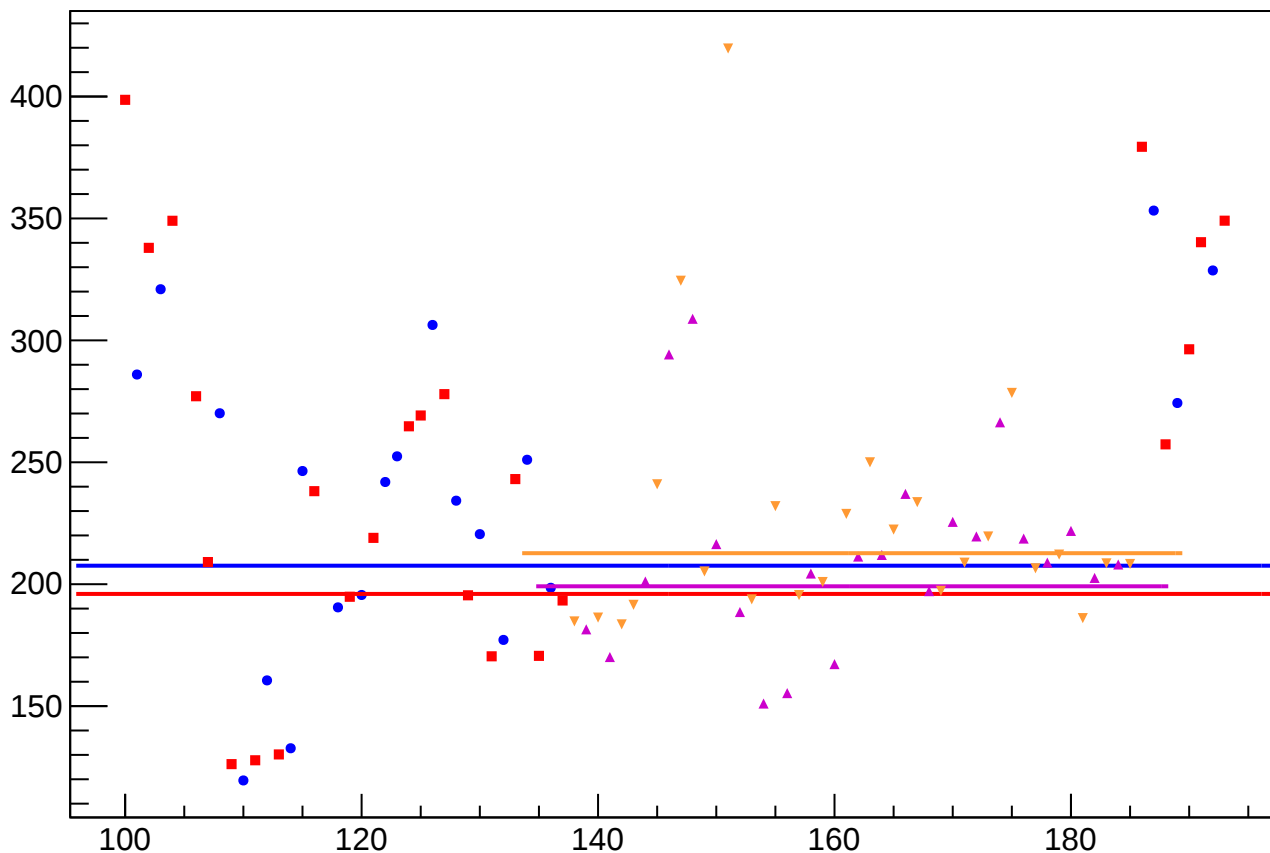
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 300.830 ± 42.294 χ^2/NDF : 3060.0/44

All: -40.776 ± 29.022 χ^2/NDF : 8569.6/91

- sign -344.762 ± 39.897 χ^2/NDF : 5386.4/46

asym_bpm0l08WS_rms vs Slug



Right In: 207.591 ± 0.054 χ^2/NDF : 1296145.2/19

Left Out: 212.718 ± 0.036 χ^2/NDF : 916225.9/24

Right Out: 196.012 ± 0.048 χ^2/NDF : 2155059.2/23

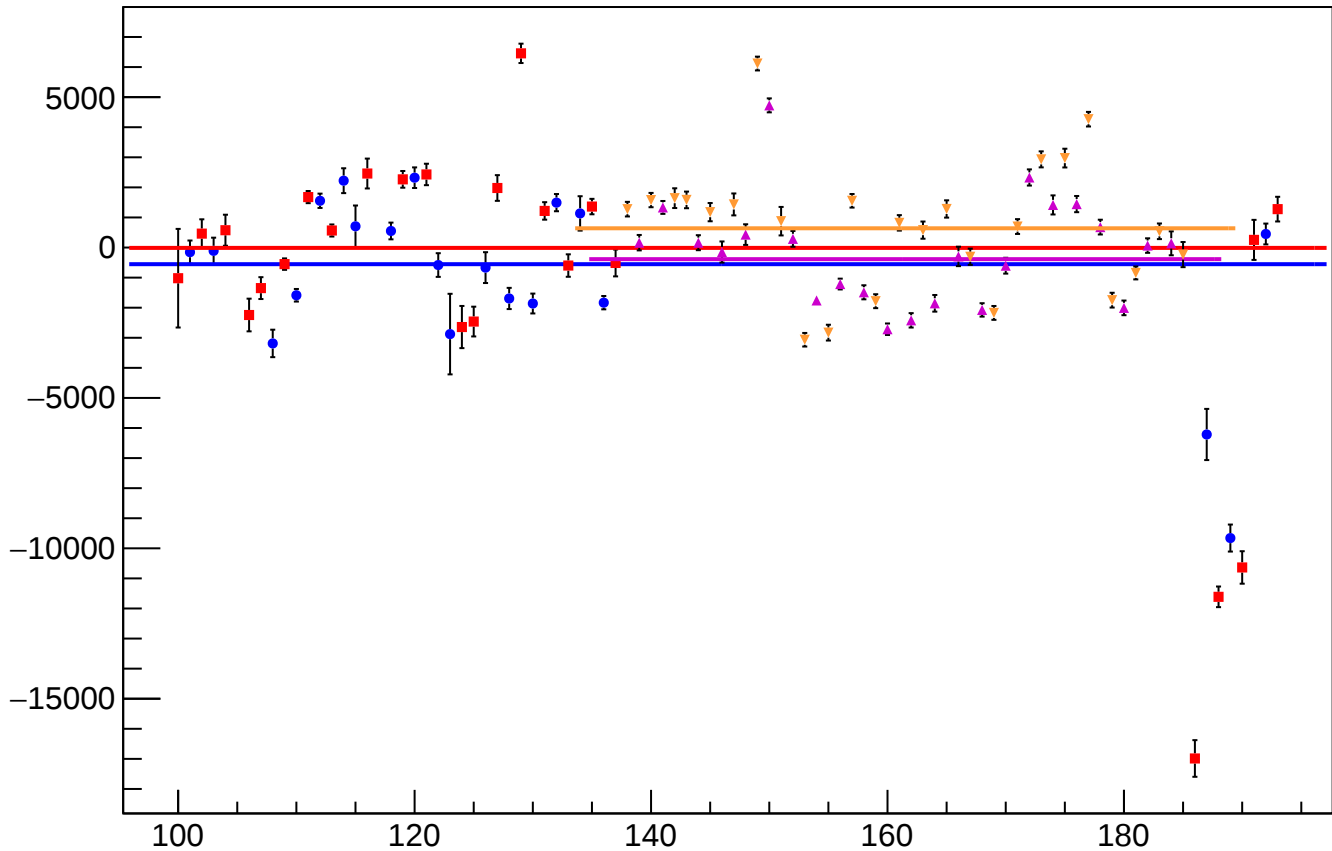
Left In: 199.142 ± 0.035 χ^2/NDF : 985932.4/22

+ sign 211.152 ± 0.030 χ^2/NDF : 2218608.3/44

All: 204.225 ± 0.021 χ^2/NDF : 5463774.7/91

- sign 198.061 ± 0.028 χ^2/NDF : 3143774.6/46

asym_bpm0l09WS_mean vs Slug



Right In: -553.367 ± 77.874 χ^2/NDF : 859.0/19

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: -11.748 ± 69.909 χ^2/NDF : 3090.6/23

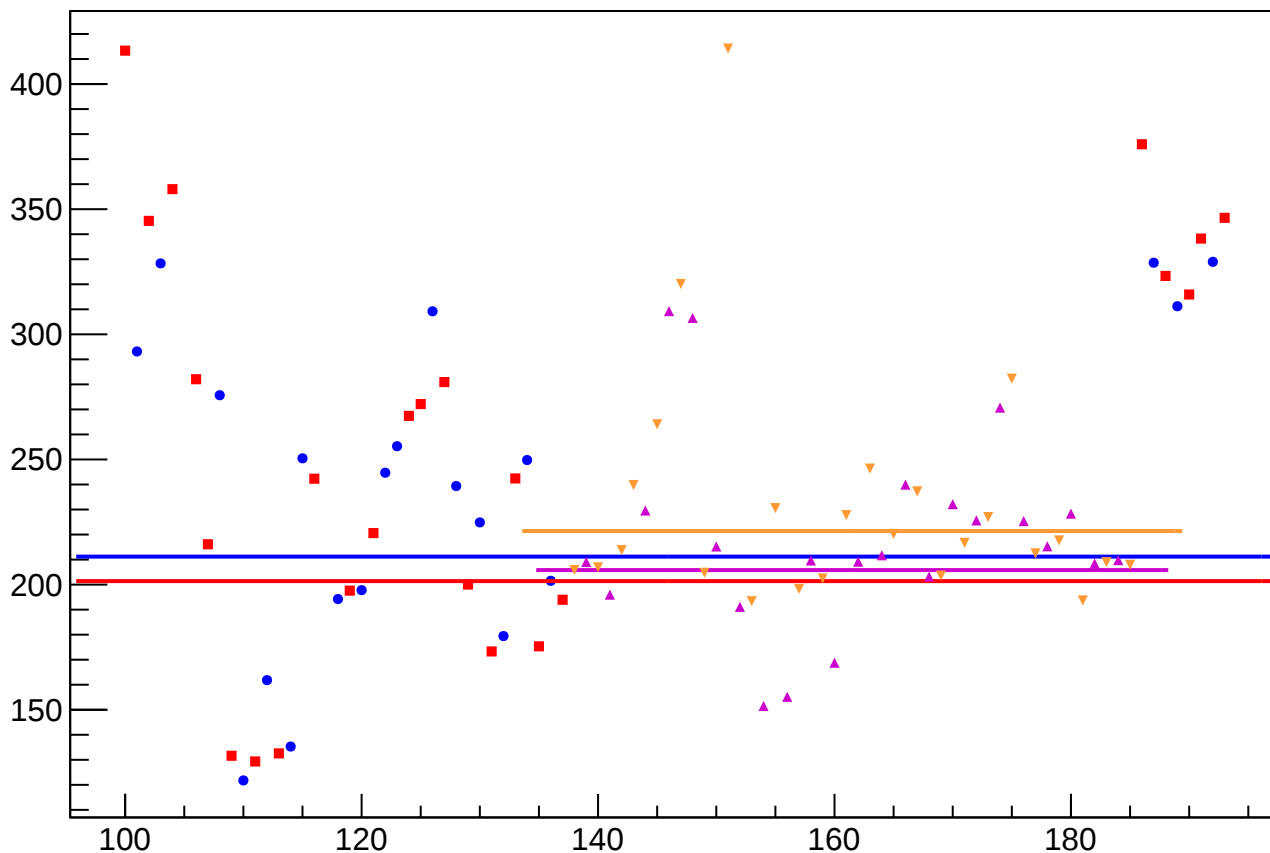
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 265.062 ± 43.650 χ^2/NDF : 2879.3/44

All: -10.614 ± 29.961 χ^2/NDF : 7302.0/91

- sign -256.190 ± 41.198 χ^2/NDF : 4347.3/46

asym_bpm0l09WS_rms vs Slug



Right In: 211.187 ± 0.055 $\chi^2/\text{NDF}: 1320897.6/19$

Left Out: 221.398 ± 0.037 $\chi^2/\text{NDF}: 777833.8/24$

Right Out: 201.403 ± 0.049 $\chi^2/\text{NDF}: 2260258.1/23$

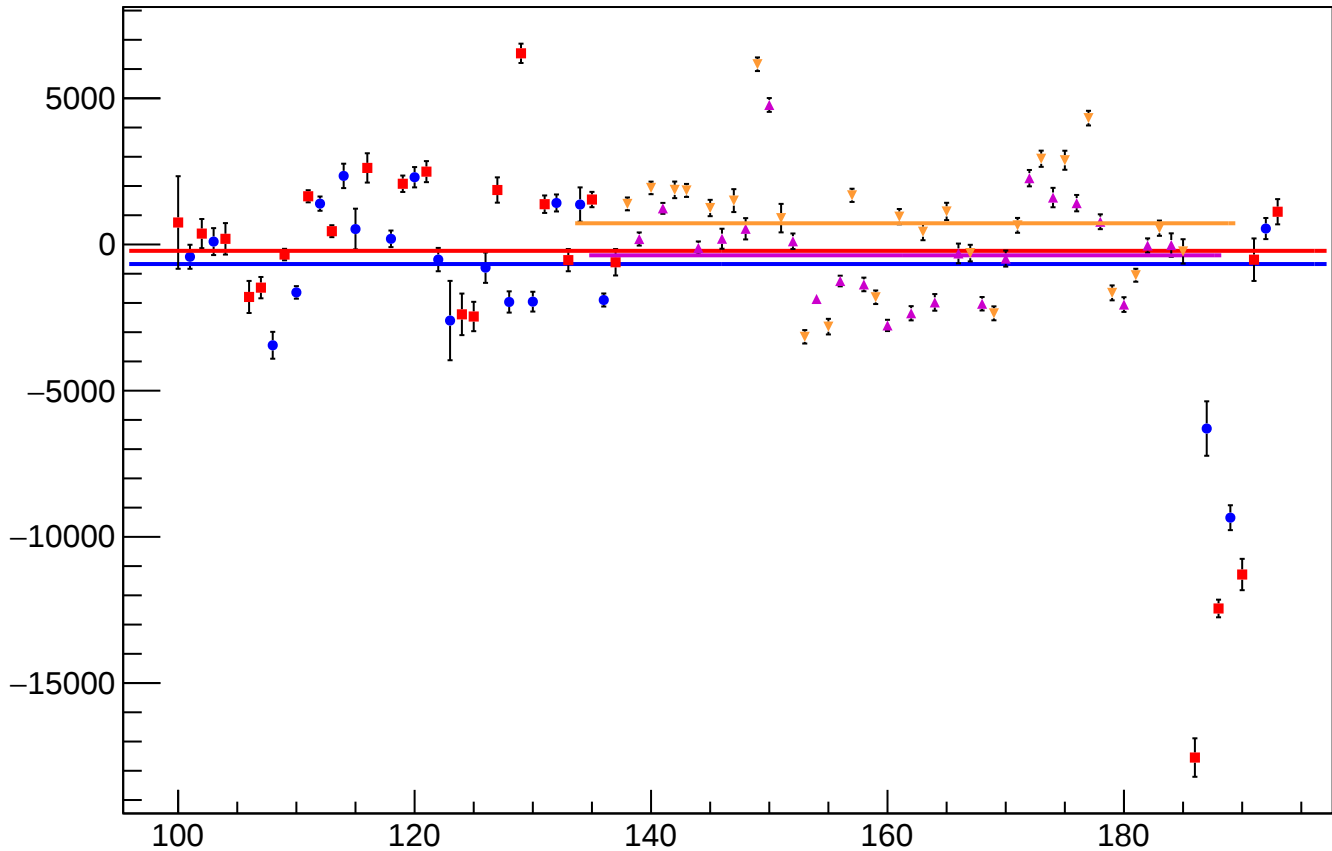
Left In: 205.803 ± 0.036 $\chi^2/\text{NDF}: 994903.5/22$

+ sign 218.190 ± 0.031 $\chi^2/\text{NDF}: 2122312.9/44$

All: 210.831 ± 0.021 $\chi^2/\text{NDF}: 5490140.4/91$

- sign 204.275 ± 0.029 $\chi^2/\text{NDF}: 3260334.6/46$

asym_bpm0l10WS_mean vs Slug



Right In: -668.829 ± 79.459 $\chi^2/\text{NDF}: 855.7/19$

Left Out: 725.250 ± 52.307 $\chi^2/\text{NDF}: 1883.1/24$

Right Out: -217.426 ± 70.985 $\chi^2/\text{NDF}: 3585.8/23$

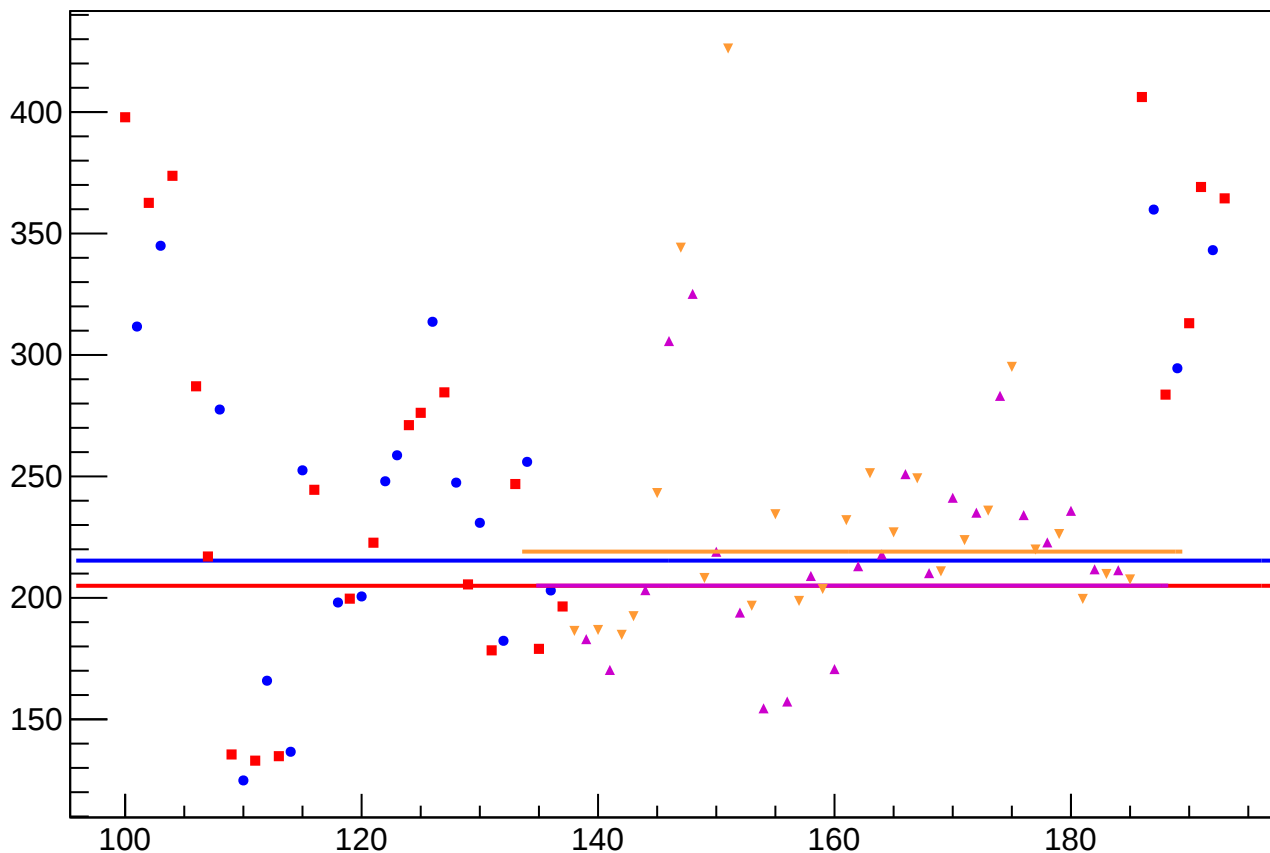
Left In: -370.408 ± 50.884 $\chi^2/\text{NDF}: 1223.2/22$

+ sign 303.775 ± 43.690 $\chi^2/\text{NDF}: 2953.6/44$

All: -24.416 ± 30.035 $\chi^2/\text{NDF}: 7872.7/91$

- sign -318.481 ± 41.356 $\chi^2/\text{NDF}: 4812.1/46$

asym_bpm0l10WS_rms vs Slug



Right In: 215.341 $\pm$ 0.056 χ^2 /NDF: 1347809.0/19

Left Out: 219.049 $\pm$ 0.037 χ^2 /NDF: 975564.4/24

Right Out: 204.977 $\pm$ 0.050 χ^2 /NDF: 2184689.7/23

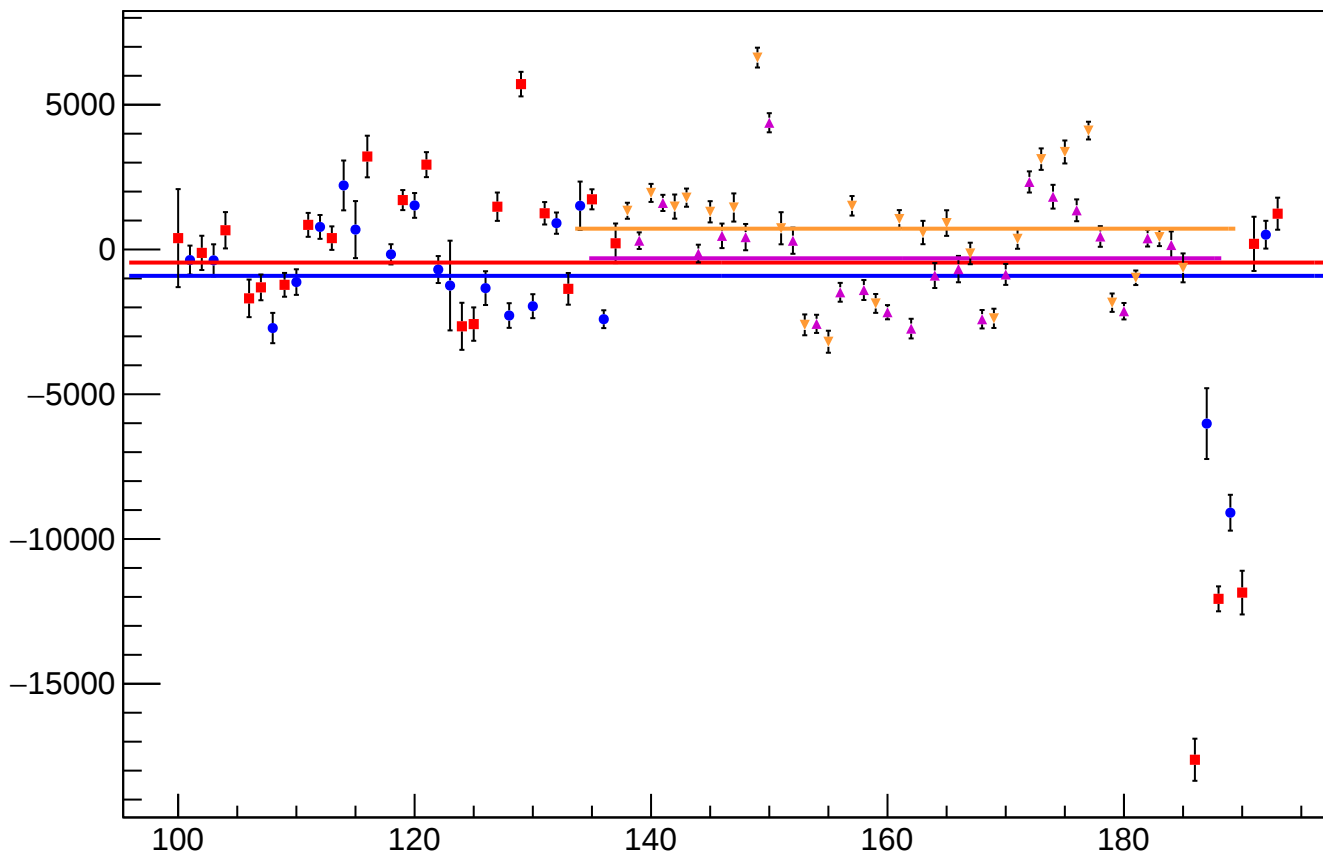
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF: 1144197.1/22

+ sign 217.928 $\pm$ 0.031 χ^2 /NDF: 2326411.5/44

All: 211.121 $\pm$ 0.021 χ^2 /NDF: 5747323.8/91

- sign 205.023 $\pm$ 0.029 χ^2 /NDF: 3328888.1/46

asym_bpm0r03WS_mean vs Slug



Right In: -910.563 ± 108.906 χ^2/NDF : 358.8/19

Left Out: 718.705 ± 69.601 χ^2/NDF : 1018.5/24

Right Out: -451.652 ± 102.691 χ^2/NDF : 1987.5/23

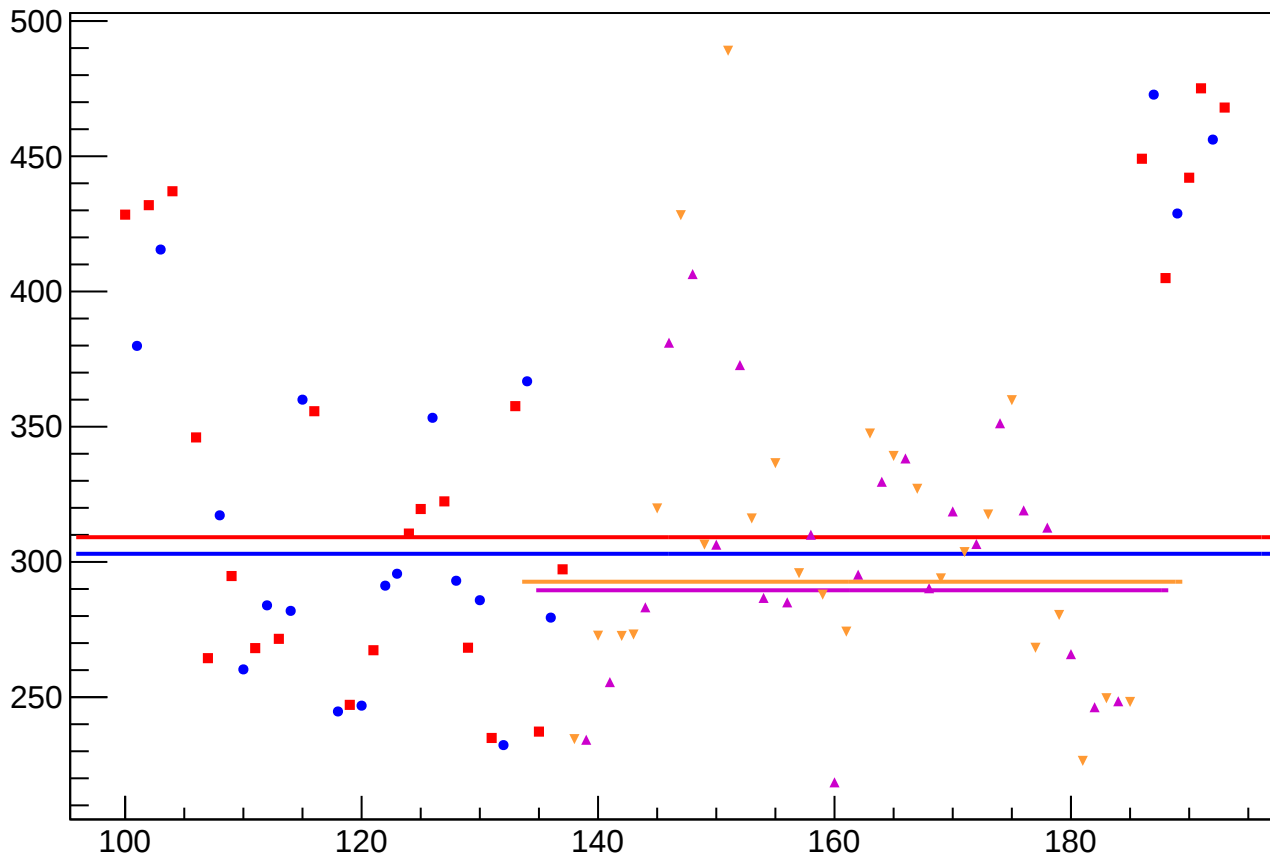
Left In: -304.161 ± 70.958 χ^2/NDF : 643.5/22

+ sign 246.230 ± 58.647 χ^2/NDF : 1536.2/44

All: -54.176 ± 41.374 χ^2/NDF : 4220.8/91

- sign -351.824 ± 58.377 χ^2/NDF : 2632.4/46

asym_bpm0r03WS_rms vs Slug



Right In: 303.013 ± 0.077 χ^2/NDF : 695691.5/19

Left Out: 292.686 ± 0.049 χ^2/NDF : 925193.6/24

Right Out: 309.145 ± 0.073 χ^2/NDF : 995262.6/23

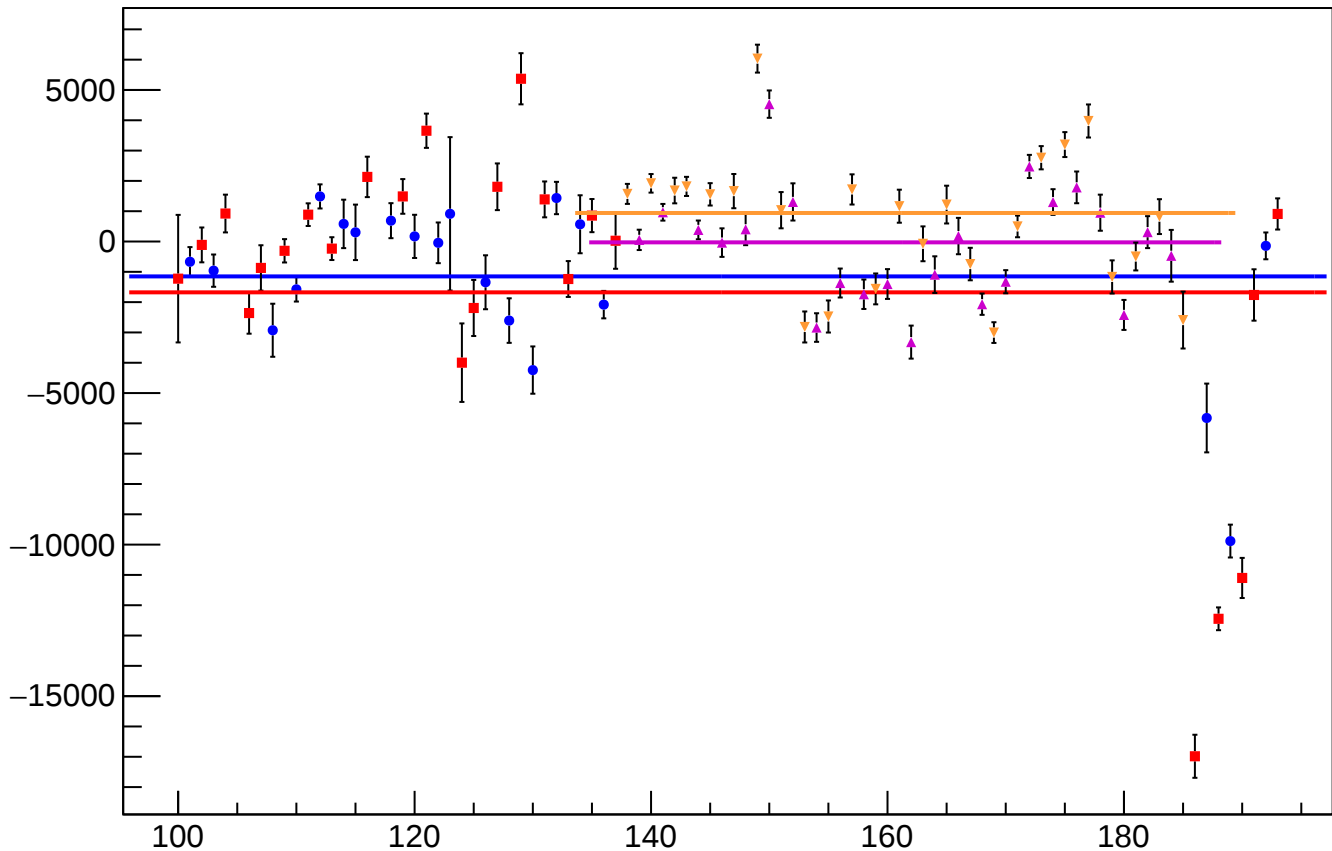
Left In: 289.522 ± 0.050 χ^2/NDF : 777901.0/22

+ sign 295.681 ± 0.041 χ^2/NDF : 1633652.8/44

All: 295.772 ± 0.029 χ^2/NDF : 3456258.4/91

- sign 295.863 ± 0.041 χ^2/NDF : 1822595.9/46

asym_bpm0r05WS_mean vs Slug



Right In: -1151.120 ± 134.580 χ^2/NDF : 407.0/19

Left Out: 941.598 ± 89.119 χ^2/NDF : 544.6/24

Right Out: -1677.184 ± 118.866 χ^2/NDF : 1913.5/23

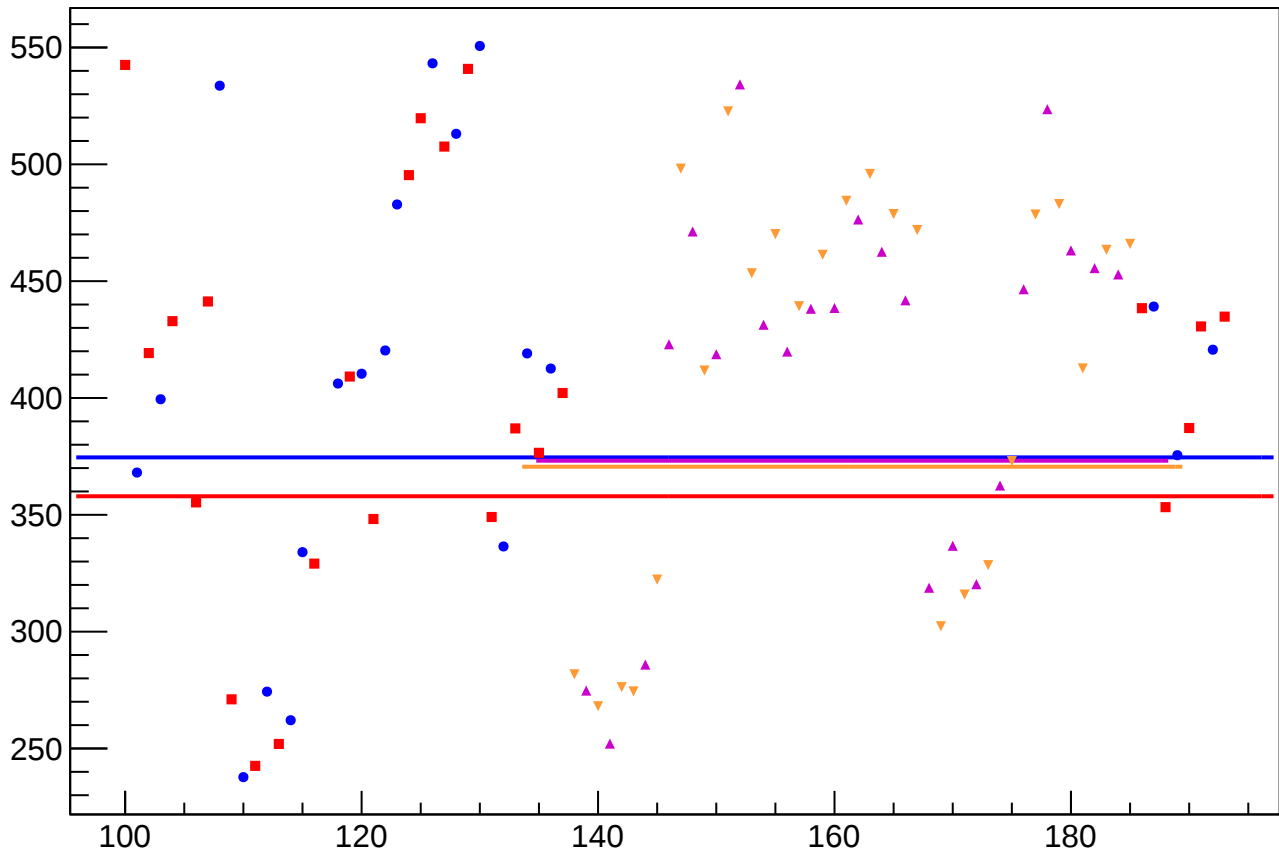
Left In: -27.763 ± 92.331 χ^2/NDF : 362.5/22

+ sign 303.662 ± 74.304 χ^2/NDF : 1119.7/44

All: -181.366 ± 52.044 χ^2/NDF : 3599.5/91

- sign -648.458 ± 72.918 χ^2/NDF : 2396.2/46

asym_bpm0r05WS_rms vs Slug



Right In: 374.579+/-0.095 χ^2/NDF : 797246.6/19

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 357.941+/-0.084 χ^2/NDF : 918208.9/23

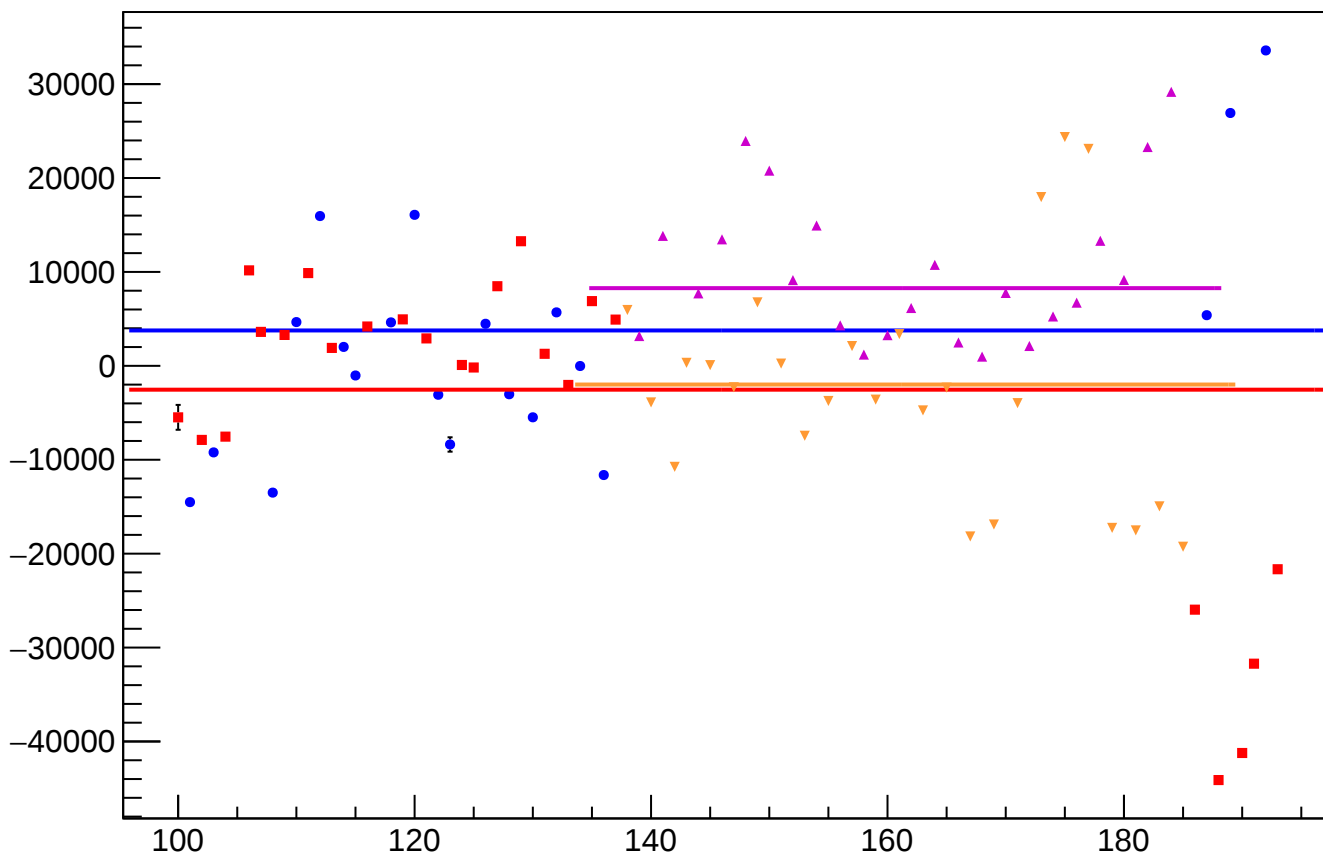
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 371.799+/-0.053 χ^2/NDF : 2676593.3/44

All: 369.575+/-0.037 χ^2/NDF : 5255012.0/91

- sign 367.433+/-0.052 χ^2/NDF : 2574902.3/46

asym_bpm0i02WS_mean vs Slug



Right In: 3767.726+/-51.329 χ^2/NDF : 67970.3/19

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -2539.286+/-47.360 χ^2/NDF : 113477.6/23

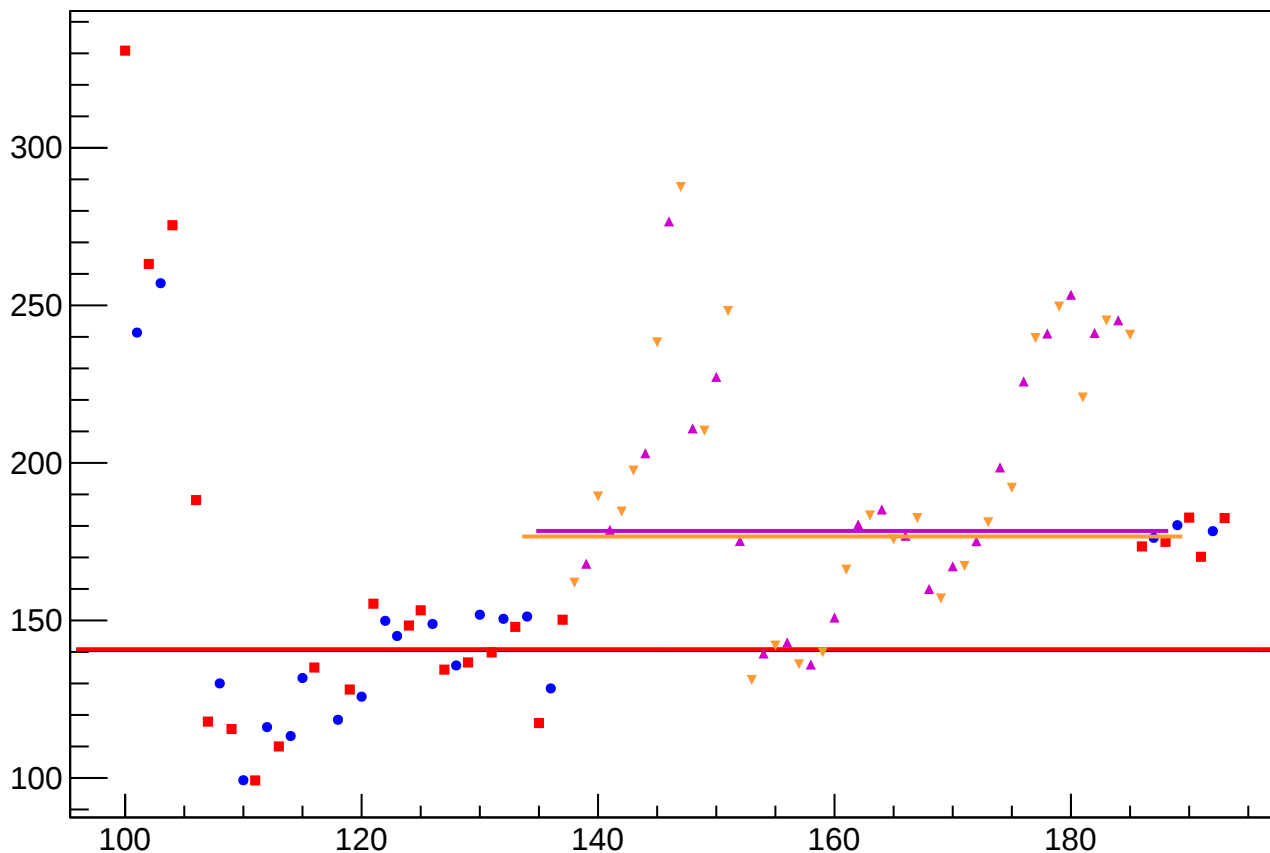
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 345.983+/-32.702 χ^2/NDF : 139217.0/44

All: 1802.130+/-22.999 χ^2/NDF : 307287.2/91

- sign 3227.389+/-32.353 χ^2/NDF : 164146.8/46

asym_bpm0i02WS_rms vs Slug



Right In: 140.583+/-0.036 χ^2/NDF : 816529.9/19

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 140.869+/-0.033 χ^2/NDF : 1096781.0/23

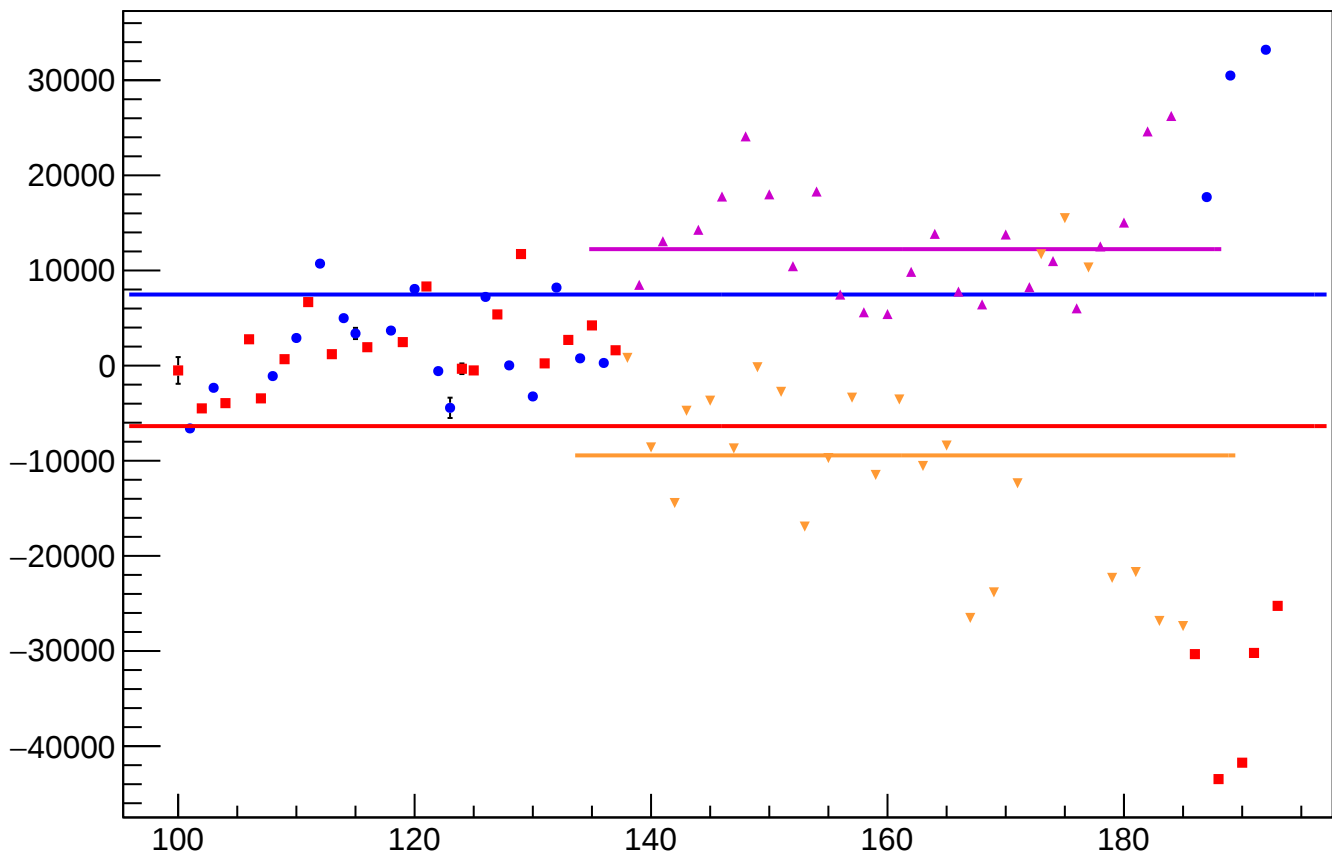
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 162.005+/-0.023 χ^2/NDF : 2953943.6/44

All: 161.443+/-0.016 χ^2/NDF : 6015953.4/91

- sign 160.893+/-0.023 χ^2/NDF : 3060840.9/46

asym_bpm0i02aWS_mean vs Slug



Right In: 7473.094+/-64.743 χ^2/NDF : 30580.6/19

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -6359.524+/-57.705 χ^2/NDF : 89401.6/23

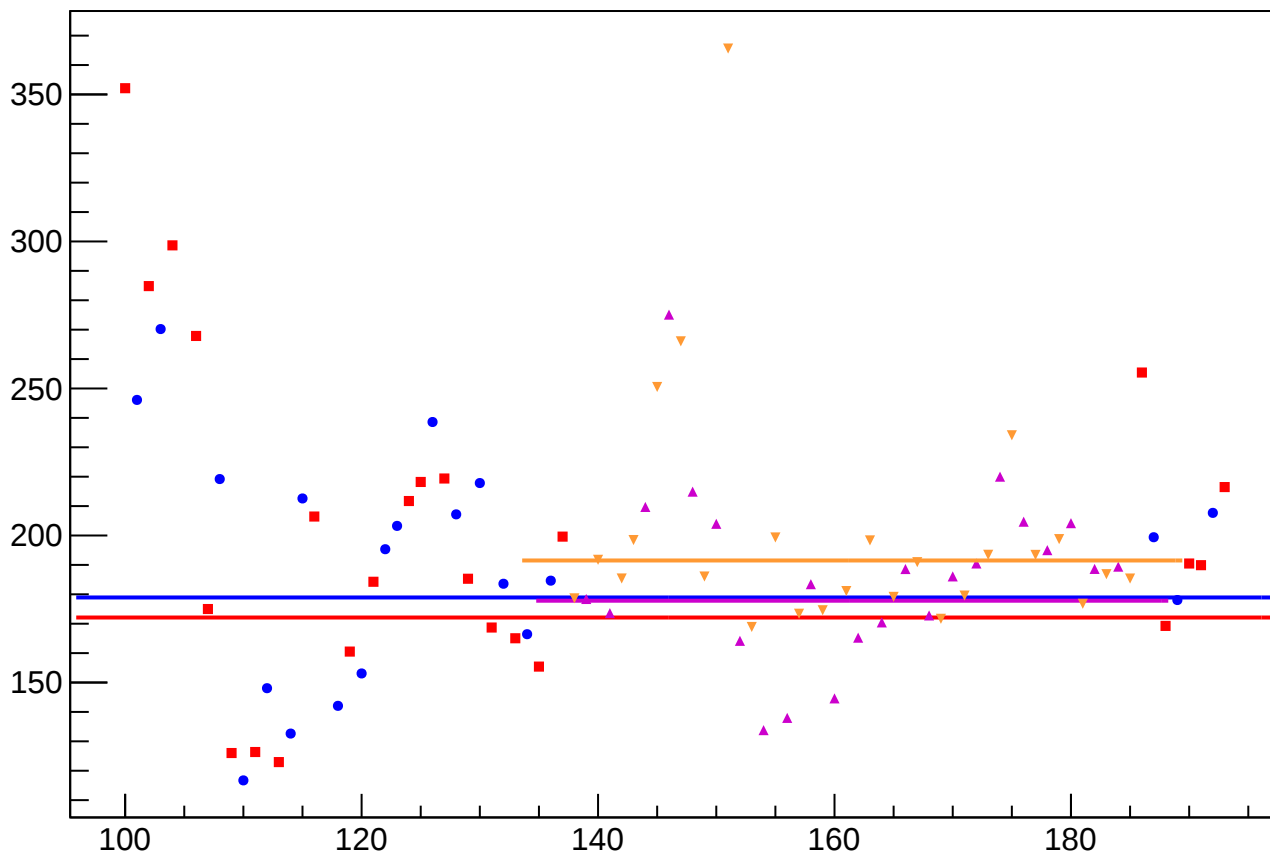
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -3840.939+/-37.245 χ^2/NDF : 138445.9/44

All: 1079.094+/-25.490 χ^2/NDF : 343061.1/91

- sign 5414.158+/-34.961 χ^2/NDF : 171789.8/46

asym_bpm0i02aWS_rms vs Slug



Right In: 178.926+/-0.046 χ^2/NDF : 730087.3/19

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 172.107+/-0.041 χ^2/NDF : 1093988.1/23

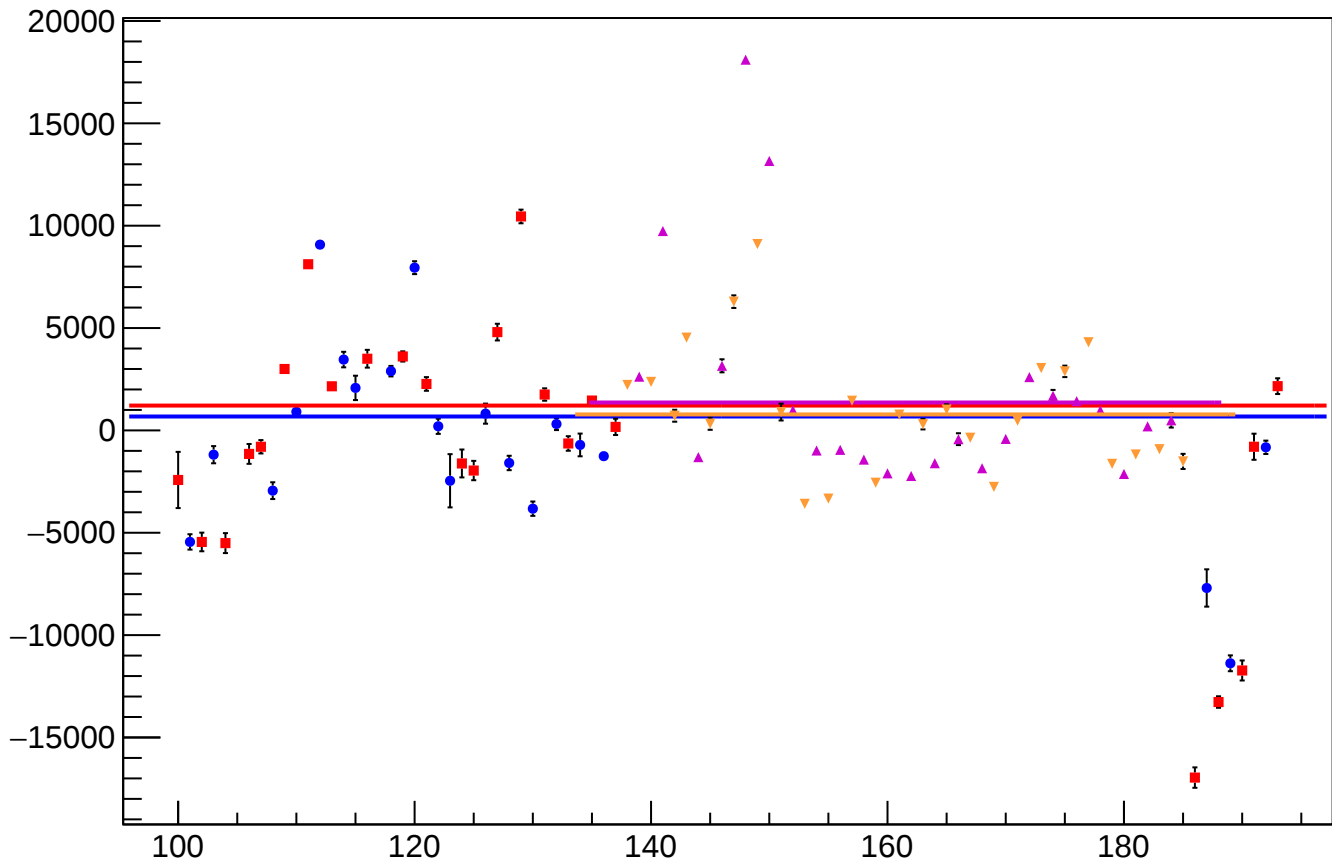
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 187.343+/-0.026 χ^2/NDF : 1507869.3/44

All: 181.166+/-0.018 χ^2/NDF : 3580235.2/91

- sign 175.724+/-0.025 χ^2/NDF : 1968894.9/46

asym_bpm0i05WS_mean vs Slug



Right In: 678.890 ± 73.629 χ^2/NDF : 3787.8/19

Left Out: 779.983 ± 47.457 χ^2/NDF : 4260.8/24

Right Out: 1213.011 ± 65.358 χ^2/NDF : 7669.6/23

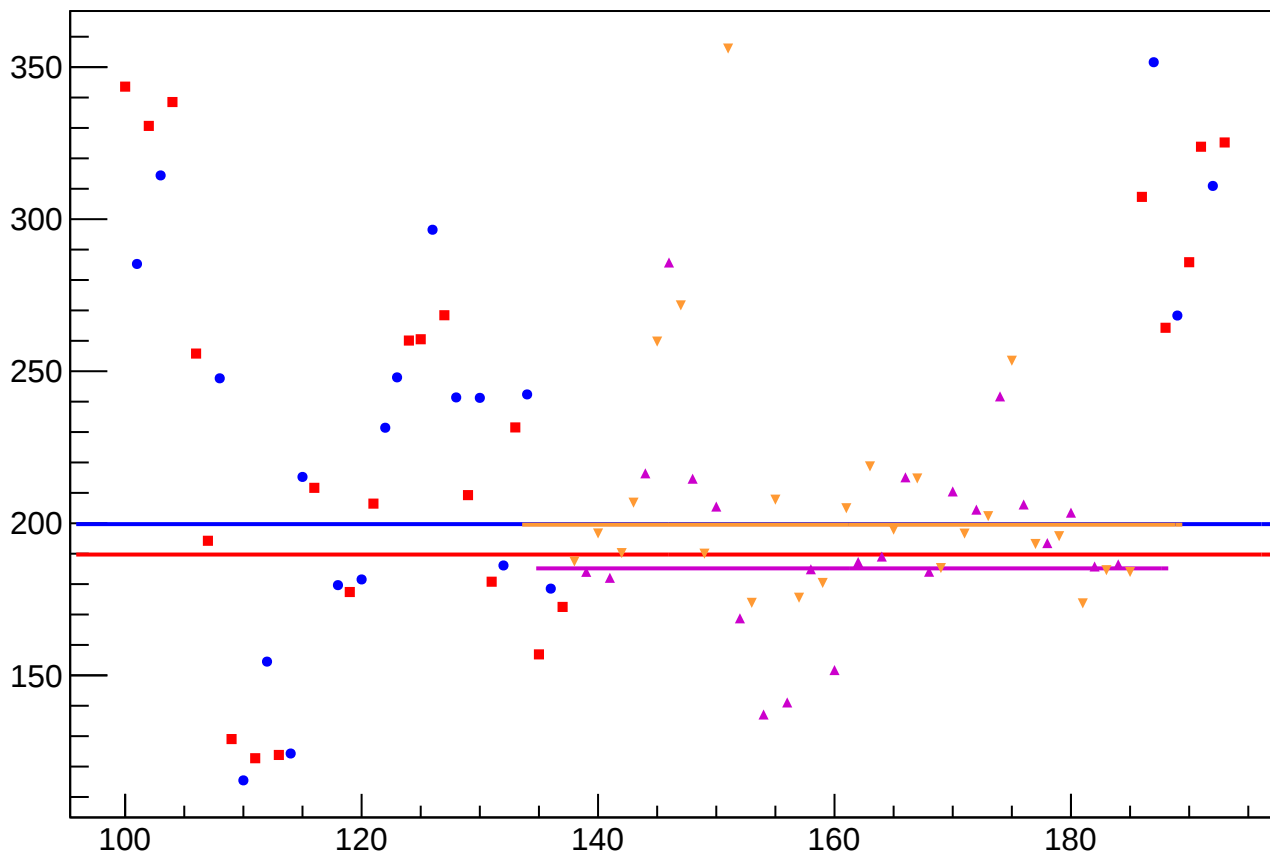
Left In: 1363.043 ± 45.807 χ^2/NDF : 11632.9/22

+ sign 750.311 ± 39.889 χ^2/NDF : 8049.9/44

All: 1049.258 ± 27.326 χ^2/NDF : 27461.7/91

- sign 1313.623 ± 37.511 χ^2/NDF : 19306.0/46

asym_bpm0i05WS_rms vs Slug



Right In: 199.724 $\pm$ 0.052 χ^2 /NDF: 1360276.6/19

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

+ sign 199.599 $\pm$ 0.028 χ^2 /NDF: 2089641.1/44

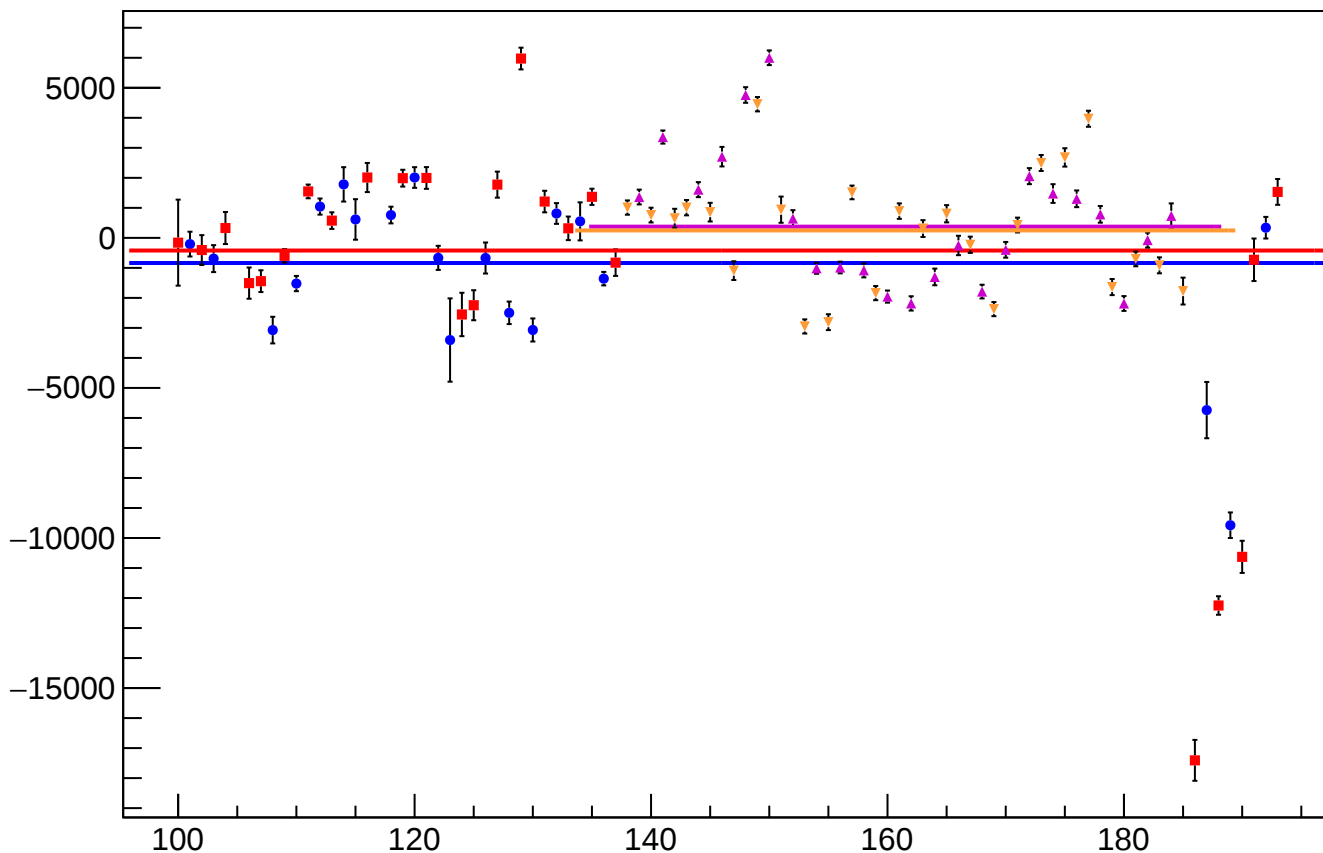
Right Out: 189.723 $\pm$ 0.046 χ^2 /NDF: 2048642.0/23

All: 192.738 $\pm$ 0.019 χ^2 /NDF: 5139042.5/91

Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

- sign 186.670 $\pm$ 0.027 χ^2 /NDF: 2937901.9/46

asym_bpm0i07WS_mean vs Slug



Right In: -836.936 ± 84.156 χ^2/NDF : 759.4/19

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -421.606 ± 76.375 χ^2/NDF : 3150.8/23

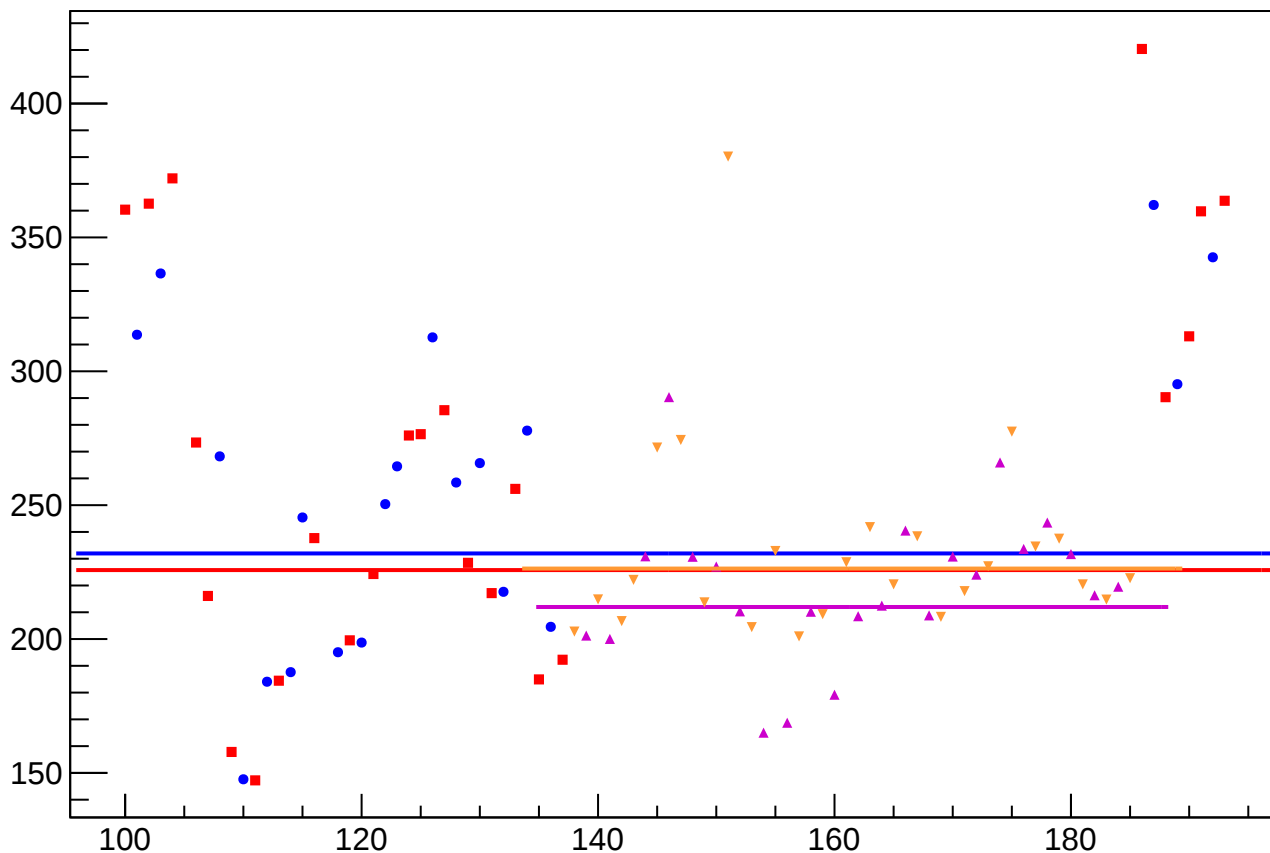
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -64.838 ± 45.182 χ^2/NDF : 2232.8/44

All: 33.054 ± 31.153 χ^2/NDF : 7267.7/91

- sign 121.765 ± 43.011 χ^2/NDF : 5025.9/46

asym_bpm0i07WS_rms vs Slug



Right In: 231.969 ± 0.060 χ^2/NDF : 945257.7/19

Left Out: 226.322 ± 0.038 χ^2/NDF : 521041.8/24

Right Out: 225.756 ± 0.054 χ^2/NDF : 1539234.0/23

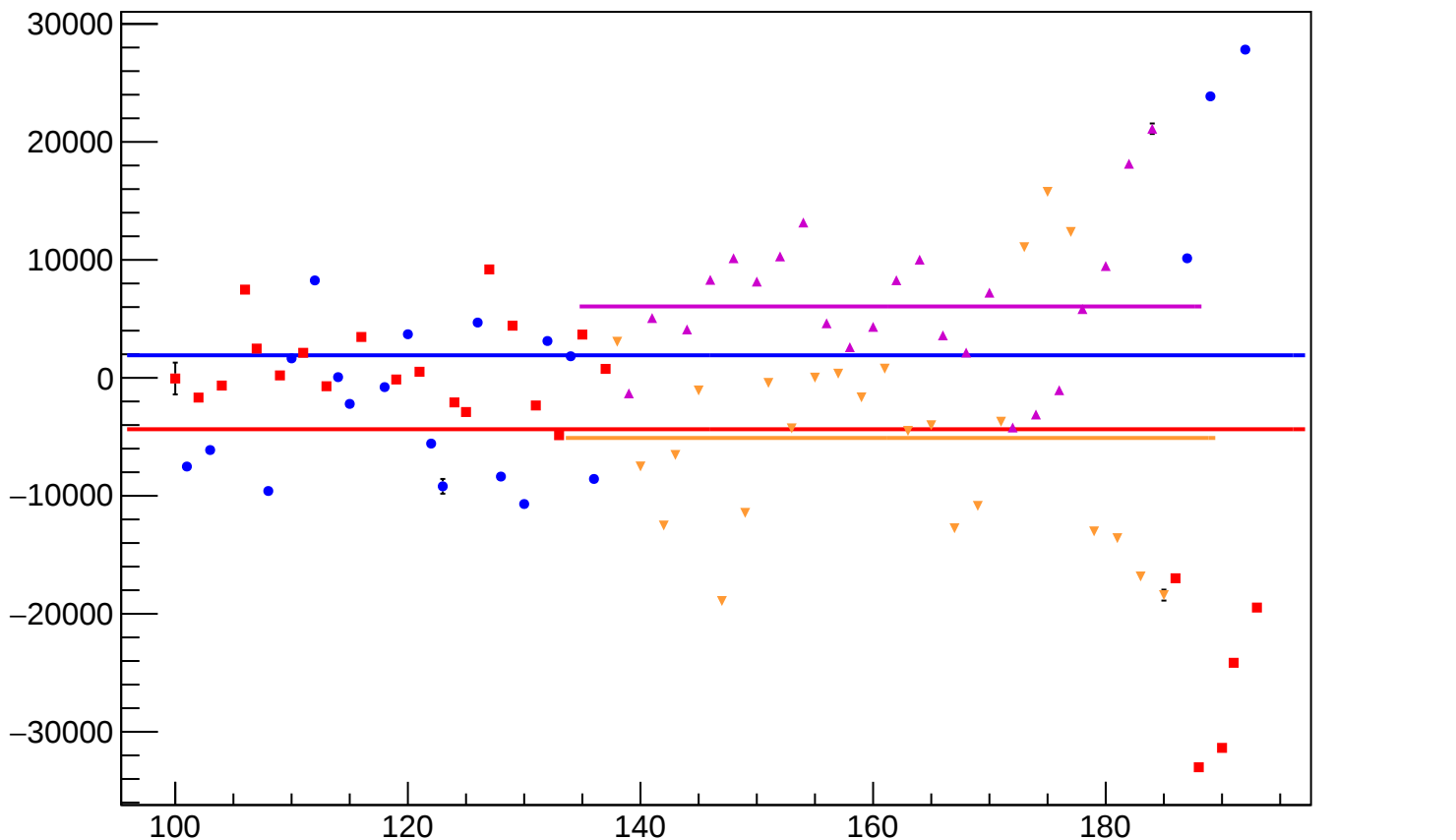
Left In: 211.970 ± 0.037 χ^2/NDF : 584344.5/22

+ sign 227.950 ± 0.032 χ^2/NDF : 1472710.3/44

All: 221.860 ± 0.022 χ^2/NDF : 3710033.5/91

- sign 216.342 ± 0.030 χ^2/NDF : 2168077.6/46

asym_bpm1i02WS_mean vs Slug



Right In: 1914.132 +/- 43.764 χ^2/NDF : 66286.8/19

Left Out: -5095.305 +/- 33.703 χ^2/NDF : 54395.4/24

Right Out: -4354.569 +/- 40.037 χ^2/NDF : 87720.0/23

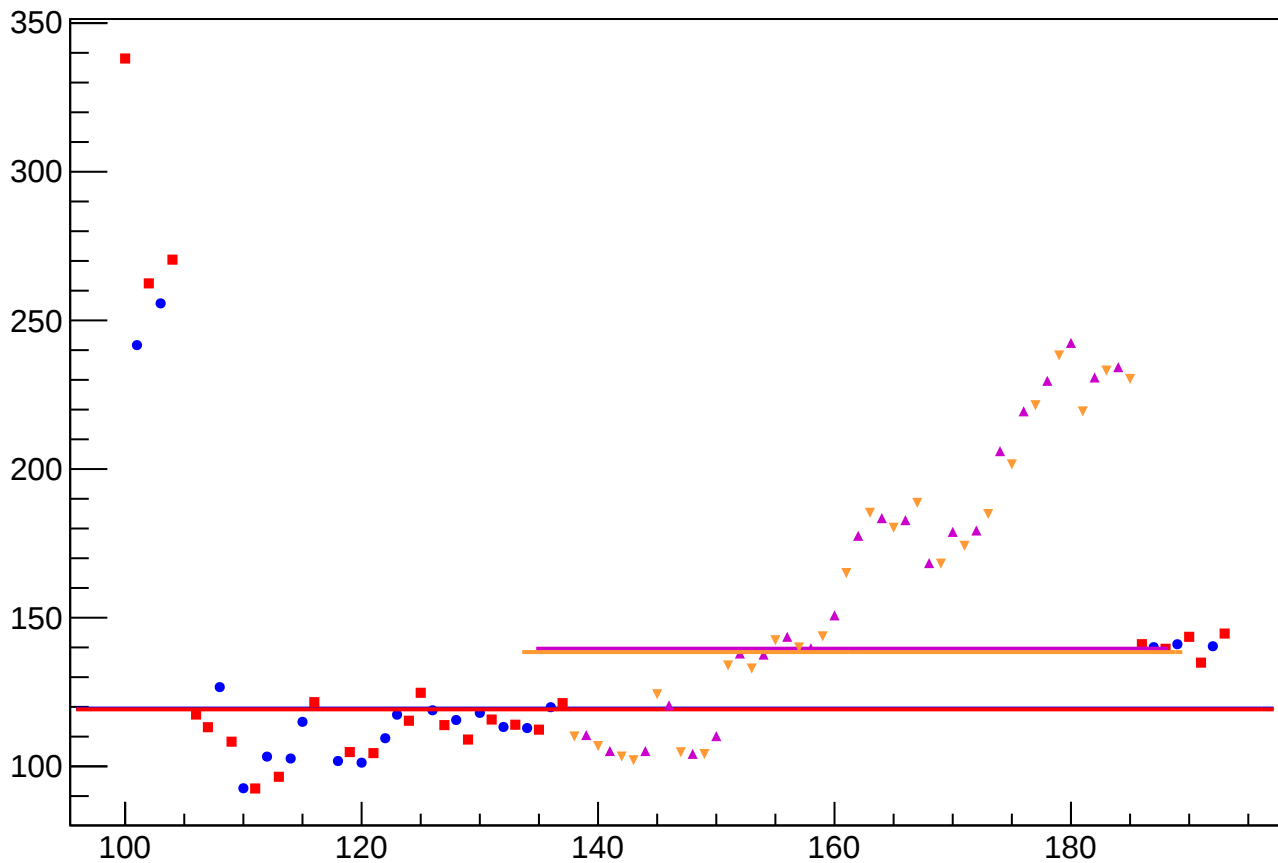
Left In: 6053.569 +/- 34.998 χ^2/NDF : 17590.3/22

+ sign -2485.785 +/- 26.703 χ^2/NDF : 136784.7/44

All: -443.417 +/- 18.756 χ^2/NDF : 291949.6/91

- sign 1545.352 +/- 26.350 χ^2/NDF : 143618.3/46

asym_bpm1i02WS_rms vs Slug



Right In: 119.434+/-0.031 χ^2/NDF : 824616.6/19

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 119.166+/-0.028 χ^2/NDF : 955369.8/23

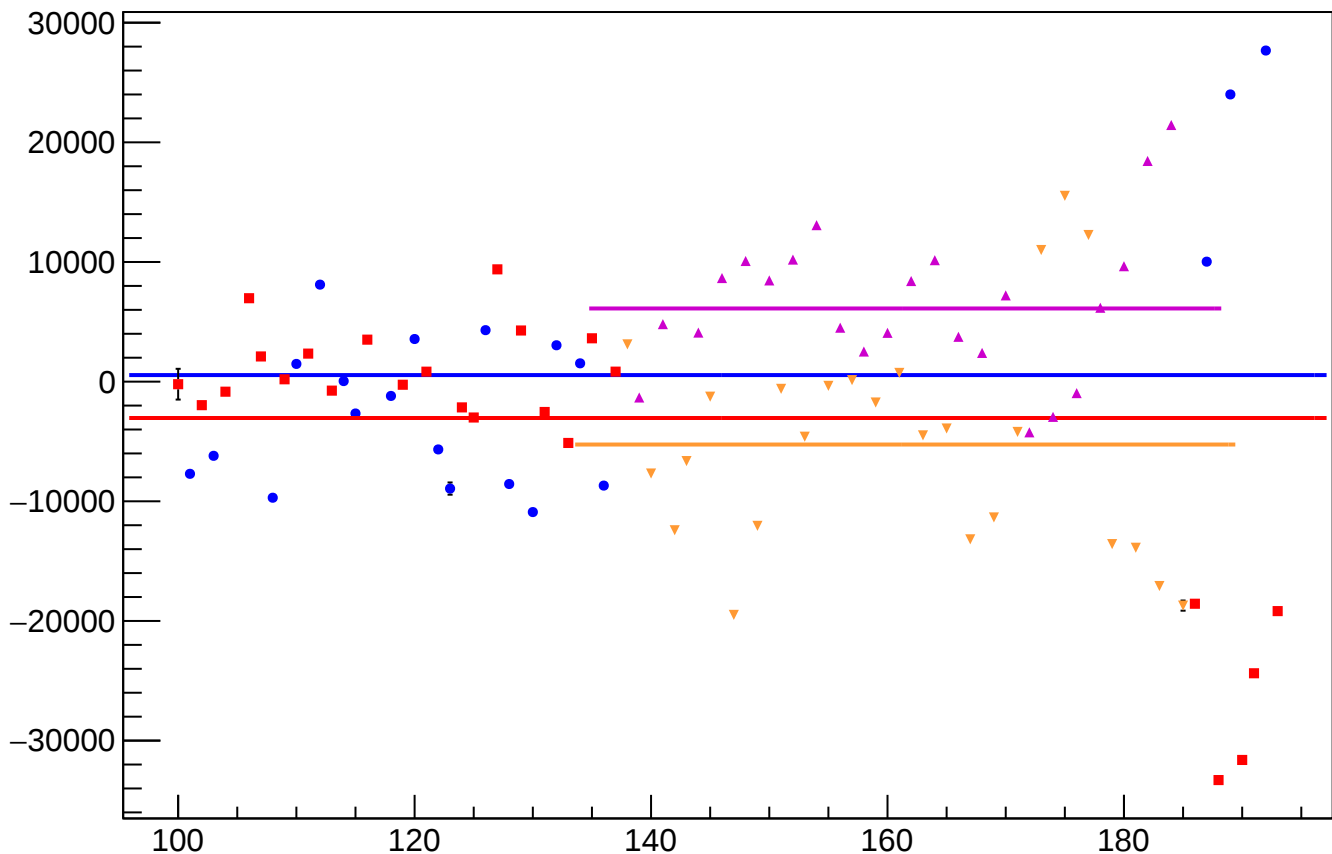
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 131.362+/-0.019 χ^2/NDF : 3610721.8/44

All: 131.045+/-0.013 χ^2/NDF : 7274970.3/91

- sign 130.737+/-0.019 χ^2/NDF : 3663693.3/46

asym_bpm1i04WS_mean vs Slug



Right In: 548.742 ± 37.915 $\chi^2/\text{NDF}: 70775.0/19$

Left Out: -5255.652 ± 30.622 $\chi^2/\text{NDF}: 64324.6/24$

Right Out: -3038.488 ± 34.961 $\chi^2/\text{NDF}: 96314.5/23$

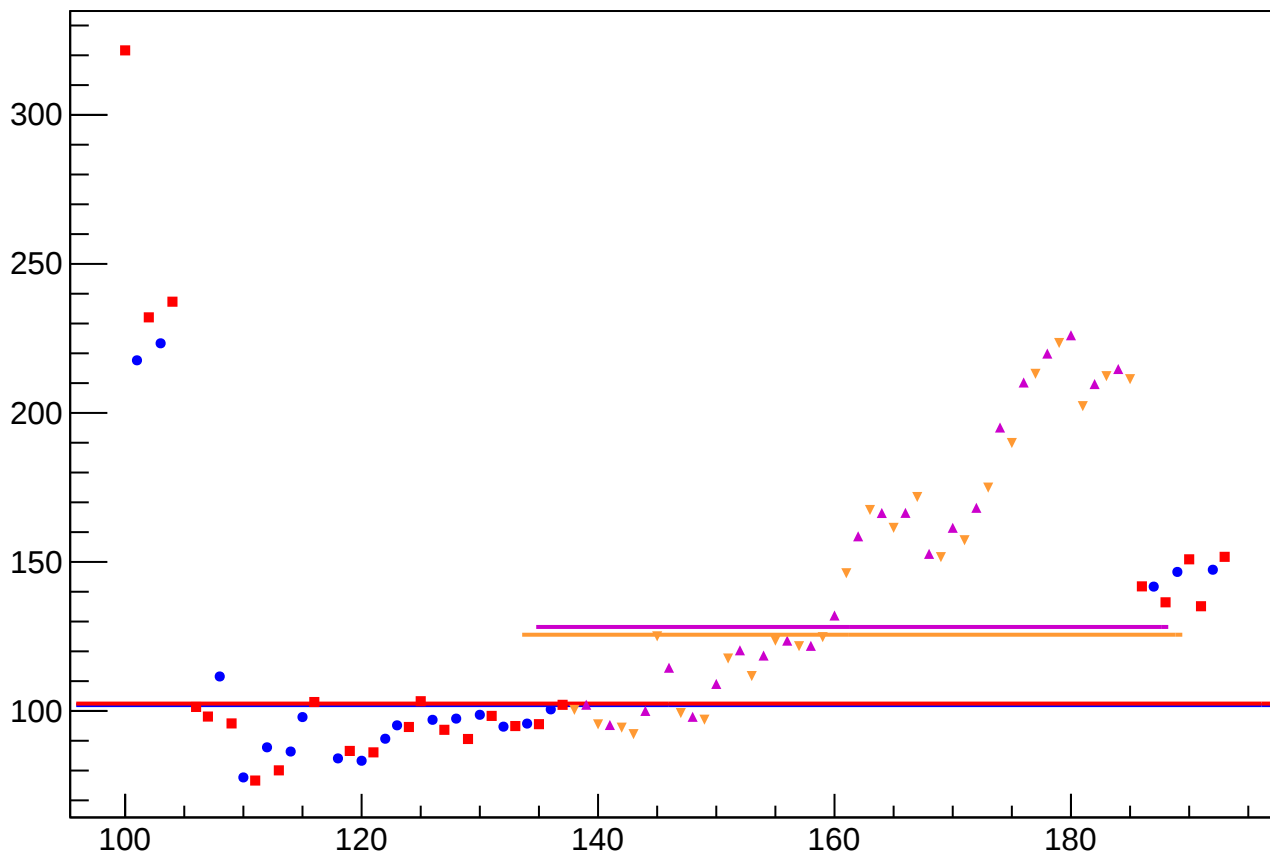
Left In: 6114.901 ± 32.126 $\chi^2/\text{NDF}: 21260.9/22$

+ sign -2964.203 ± 23.823 $\chi^2/\text{NDF}: 149283.7/44$

All: -502.674 ± 16.786 $\chi^2/\text{NDF}: 325228.8/91$

- sign 1924.370 ± 23.655 $\chi^2/\text{NDF}: 154741.6/46$

asym_bpm1i04WS_rms vs Slug



Right In: 101.959 $\pm$ 0.027 χ^2 /NDF: 1131725.2/19

Left Out: 125.577 $\pm$ 0.022 χ^2 /NDF: 2595752.6/24

Right Out: 102.471 $\pm$ 0.025 χ^2 /NDF: 1352216.4/23

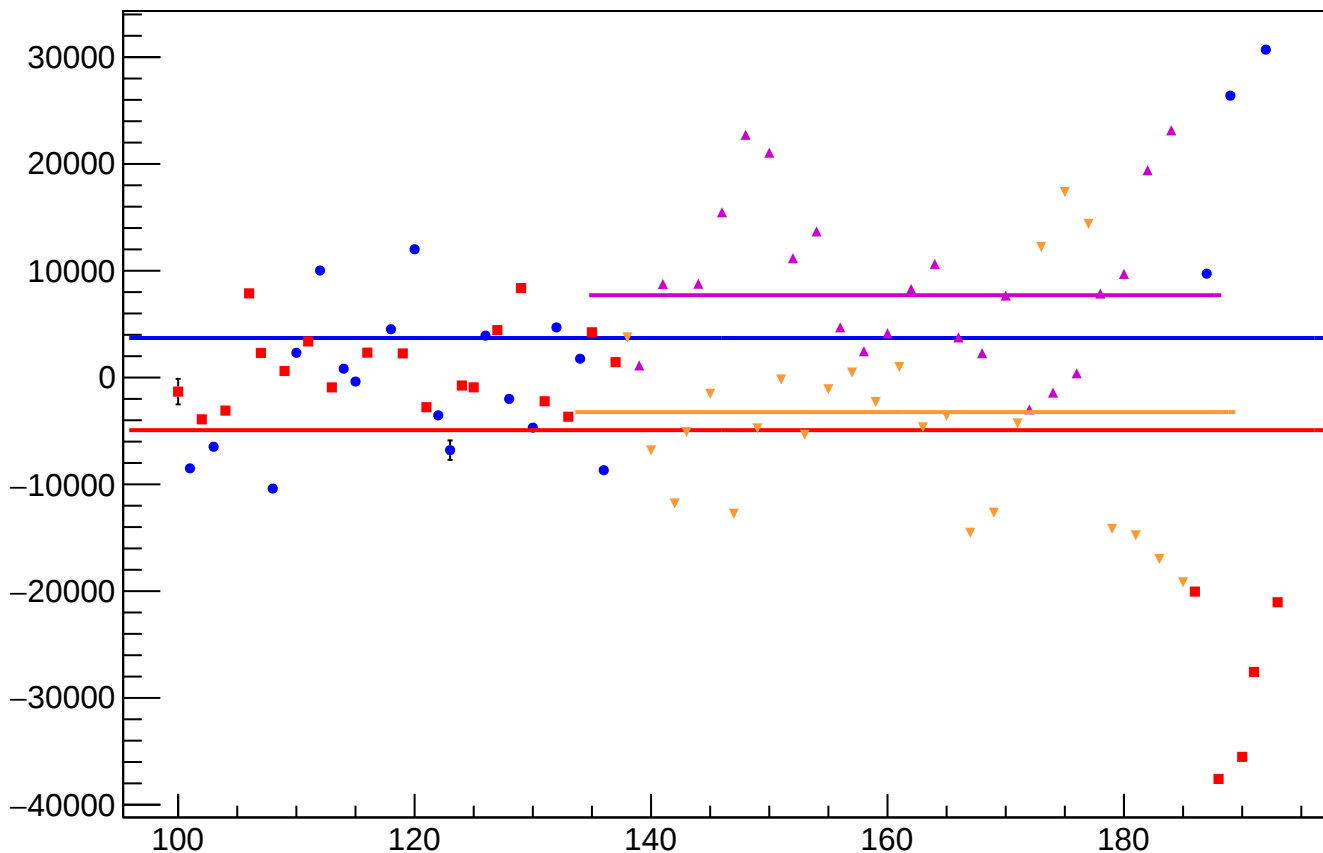
Left In: 128.184 $\pm$ 0.023 χ^2 /NDF: 2332977.5/22

+ sign 116.253 $\pm$ 0.017 χ^2 /NDF: 4197162.5/44

All: 116.333 $\pm$ 0.012 χ^2 /NDF: 8468969.3/91

- sign 116.412 $\pm$ 0.017 χ^2 /NDF: 4271762.2/46

asym_bpm1i06WS_mean vs Slug



Right In: 3702.733 ± 50.846 $\chi^2/\text{NDF}: 52333.2/19$

Left Out: -3234.922 ± 40.583 $\chi^2/\text{NDF}: 36739.9/24$

Right Out: -4925.251 ± 46.715 $\chi^2/\text{NDF}: 79919.8/23$

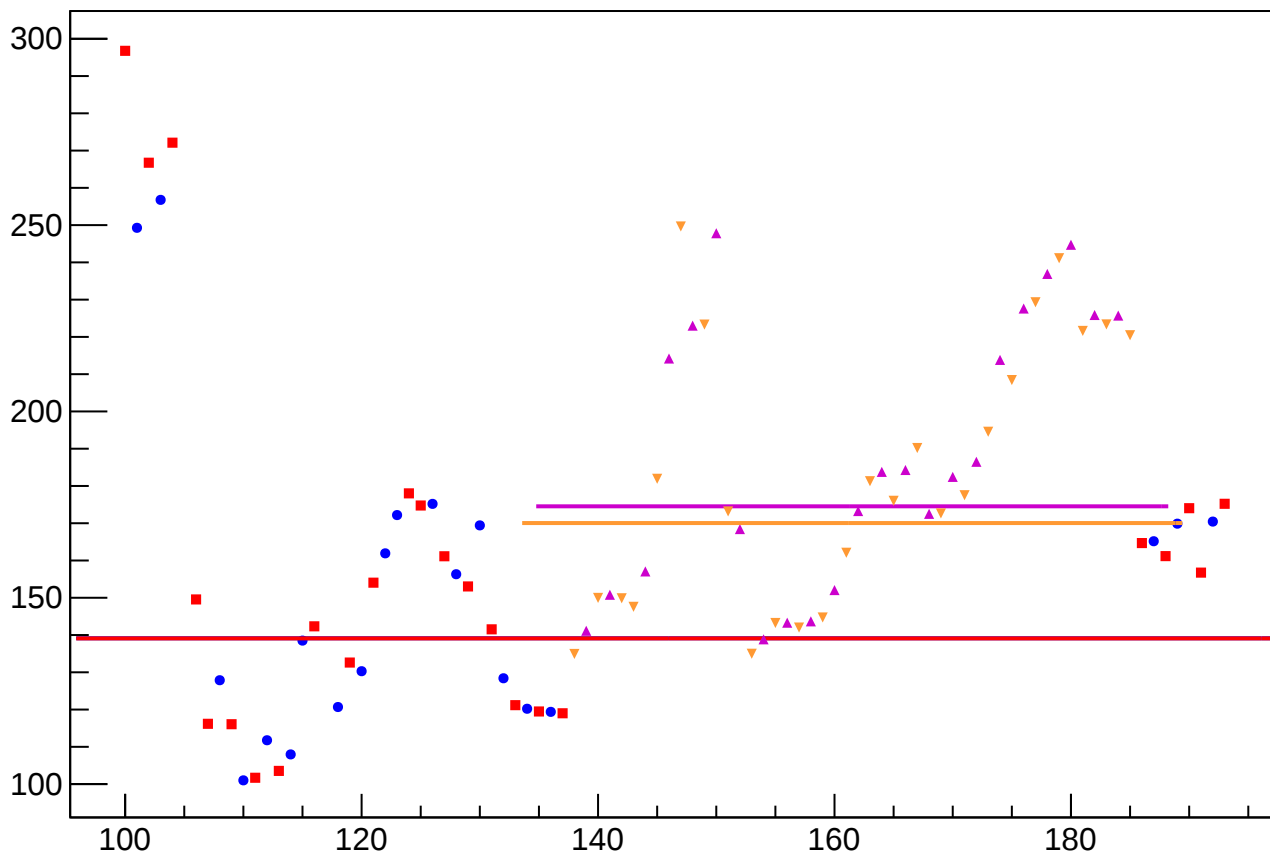
Left In: 7707.068 ± 42.990 $\chi^2/\text{NDF}: 21268.3/22$

+ sign -535.170 ± 31.718 $\chi^2/\text{NDF}: 100445.6/44$

All: 692.969 ± 22.398 $\chi^2/\text{NDF}: 244217.1/91$

- sign 1914.547 ± 31.633 $\chi^2/\text{NDF}: 140781.0/46$

asym_bpm1i06WS_rms vs Slug



Right In: 139.127 ± 0.036 χ^2/NDF : 902325.3/19

Left Out: 170.050 ± 0.029 χ^2/NDF : 1240866.9/24

Right Out: 139.096 ± 0.033 χ^2/NDF : 1046679.5/23

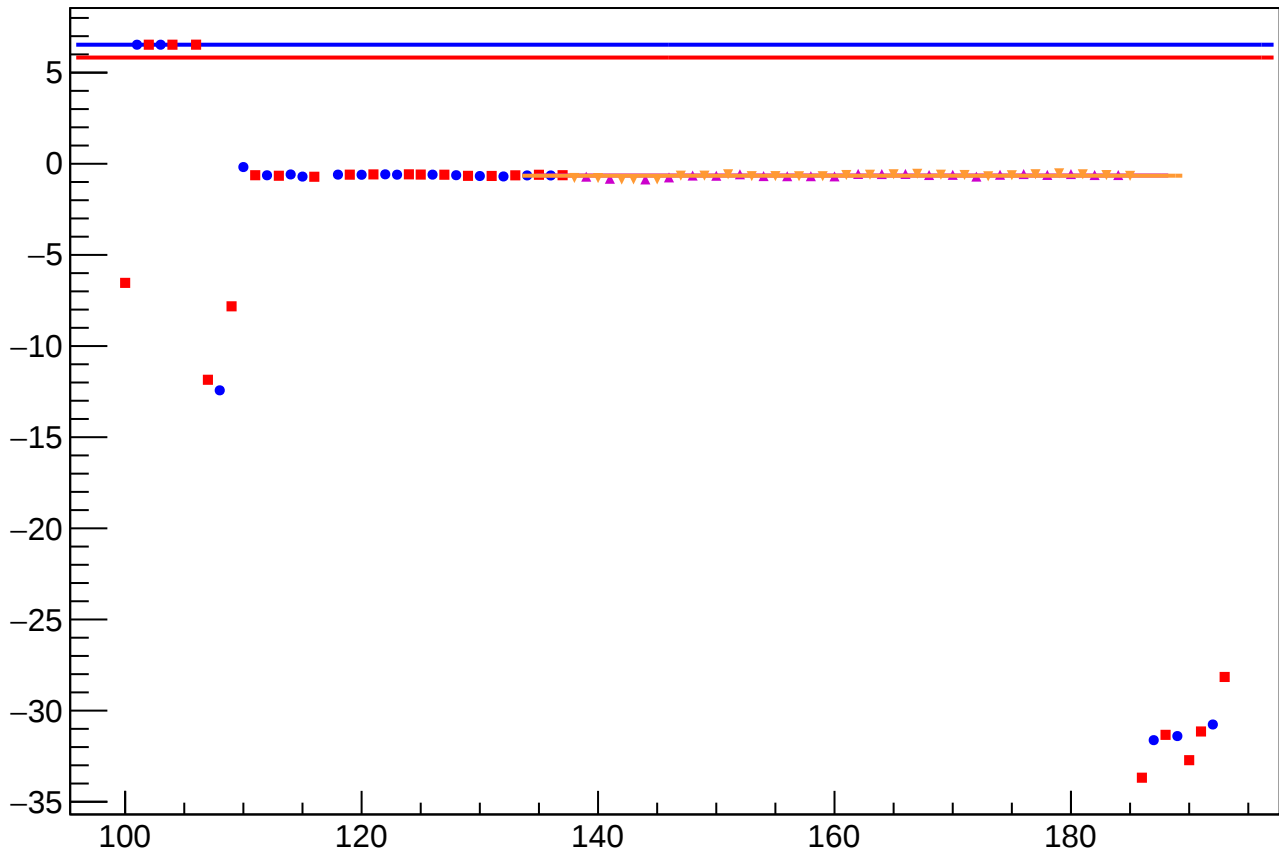
Left In: 174.539 ± 0.030 χ^2/NDF : 1210071.2/22

+ sign 158.016 ± 0.022 χ^2/NDF : 2595065.1/44

All: 158.152 ± 0.016 χ^2/NDF : 5475277.0/91

- sign 158.287 ± 0.022 χ^2/NDF : 2880139.1/46

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127691620960.8/19

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755947552054333.9/23

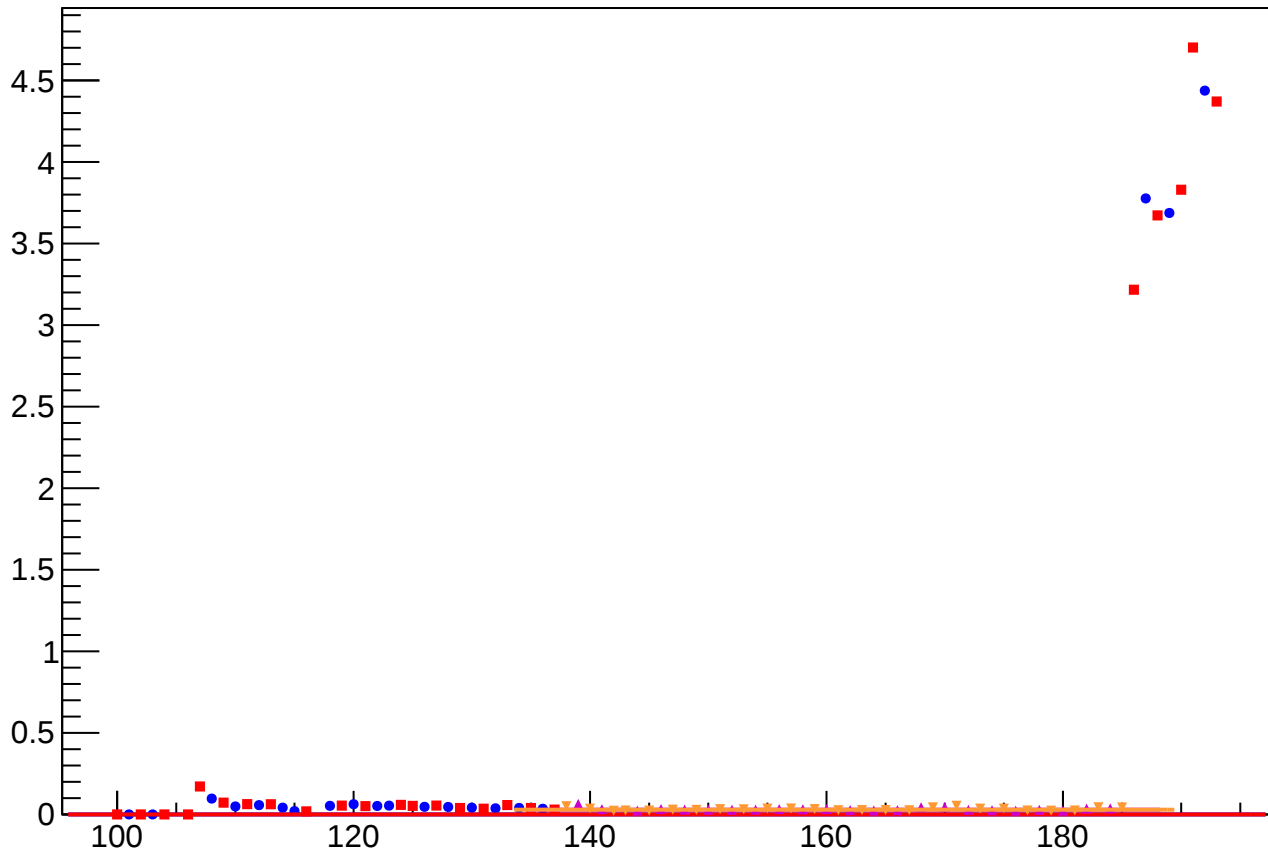
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 999080917926.8/44

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77760178244083

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756618896670308.2/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12008629.2/19

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14348292.7/23

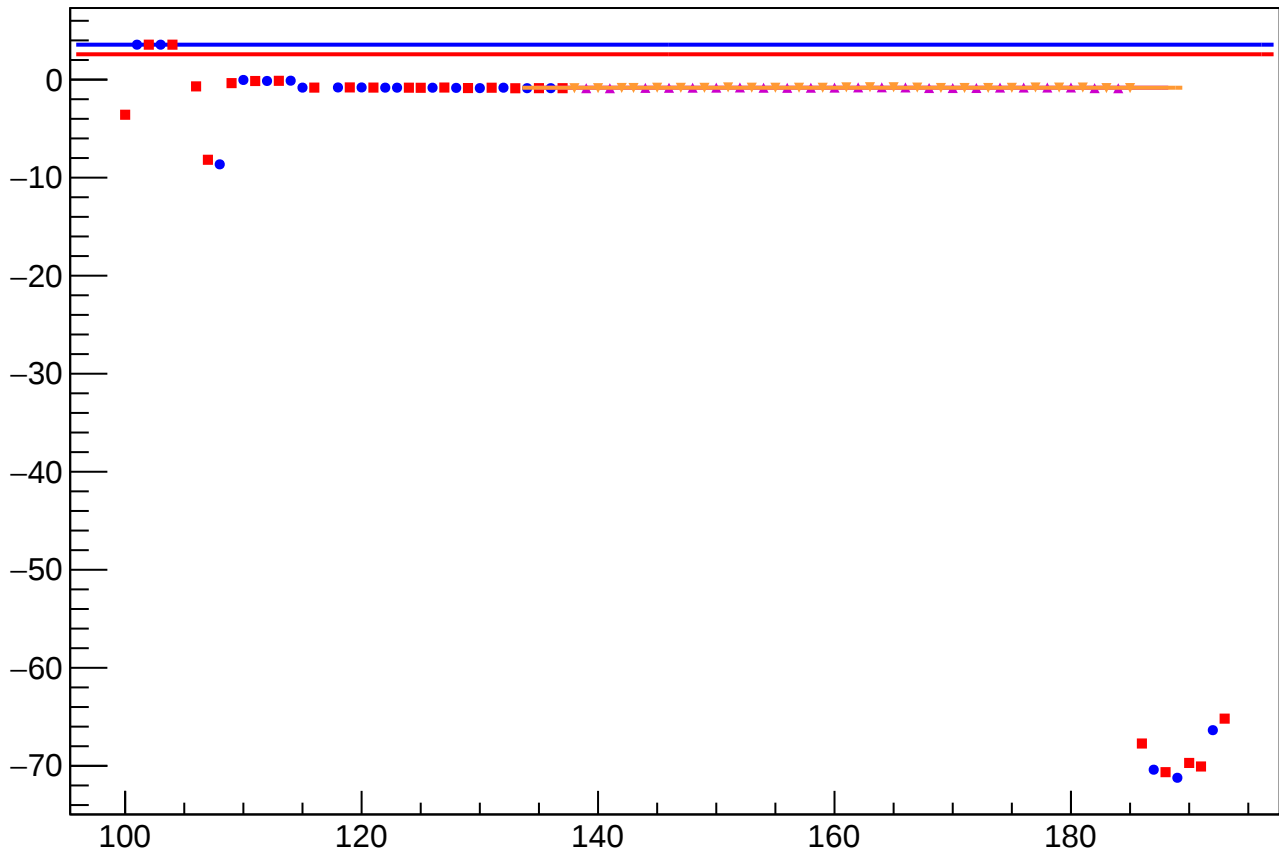
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 41880039.1/44

All: 0.000+/-0.000 χ^2/NDF : 84194721.7/91

- sign 0.000+/-0.000 χ^2/NDF : 42313999.1/46

yield_cav4bY_mean vs Slug



Right In: 3.563 $\pm$ 0.000 χ^2 /NDF: 490257120877.1/19

Left Out: -0.828 $\pm$ 0.000 χ^2 /NDF: 168178464.8/24

Right Out: 2.583 $\pm$ 0.000 χ^2 /NDF: 1253512912855622.2/23

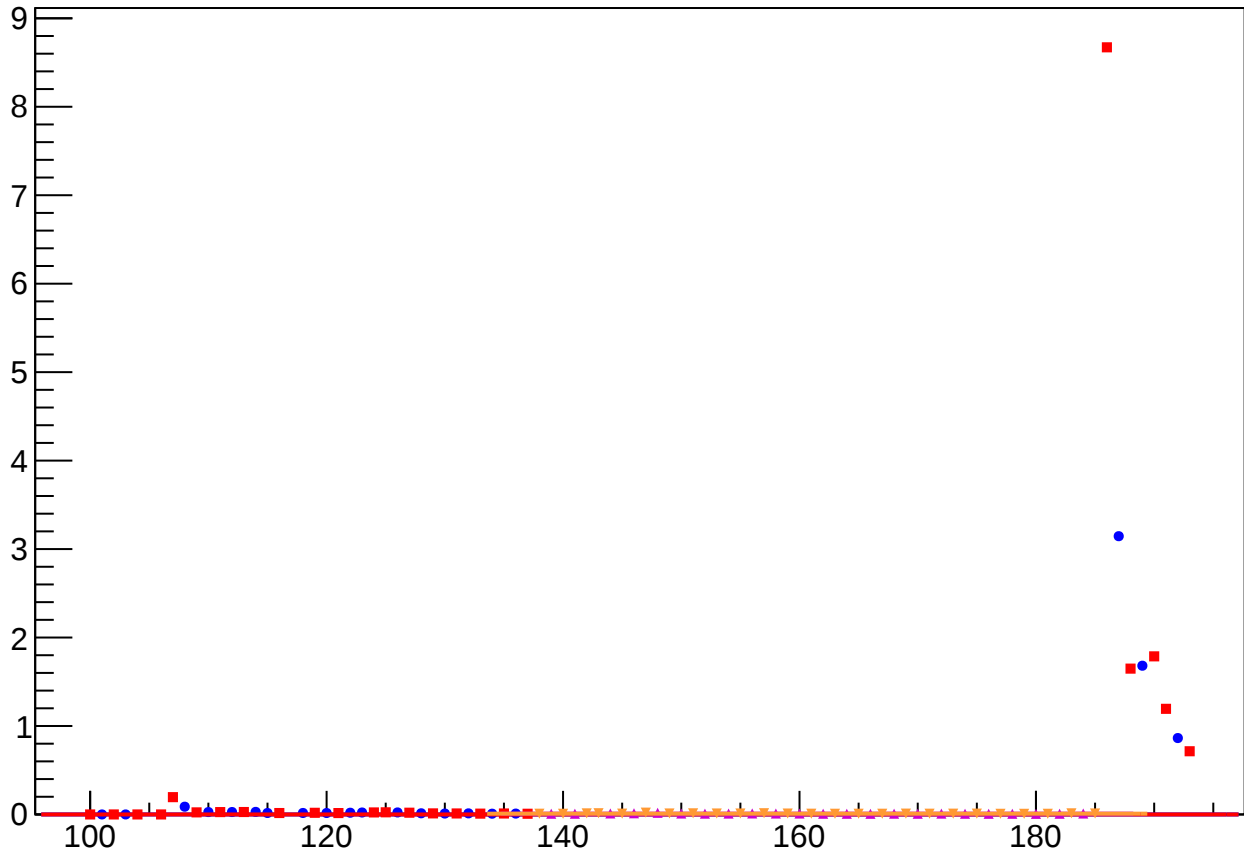
Left In: -0.827 $\pm$ 0.000 χ^2 /NDF: 172640246.1/22

+ sign 3.560 $\pm$ 0.000 χ^2 /NDF: 4172414046088.6/44

All: 3.038 $\pm$ 0.000 χ^2 /NDF: 13879608649060.0/44

- sign 2.581 $\pm$ 0.000 χ^2 /NDF: 1255712965797765.5/44

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12271644.6/19

Left Out: 0.009+/-0.000 χ^2/NDF : 1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 14341888.5/23

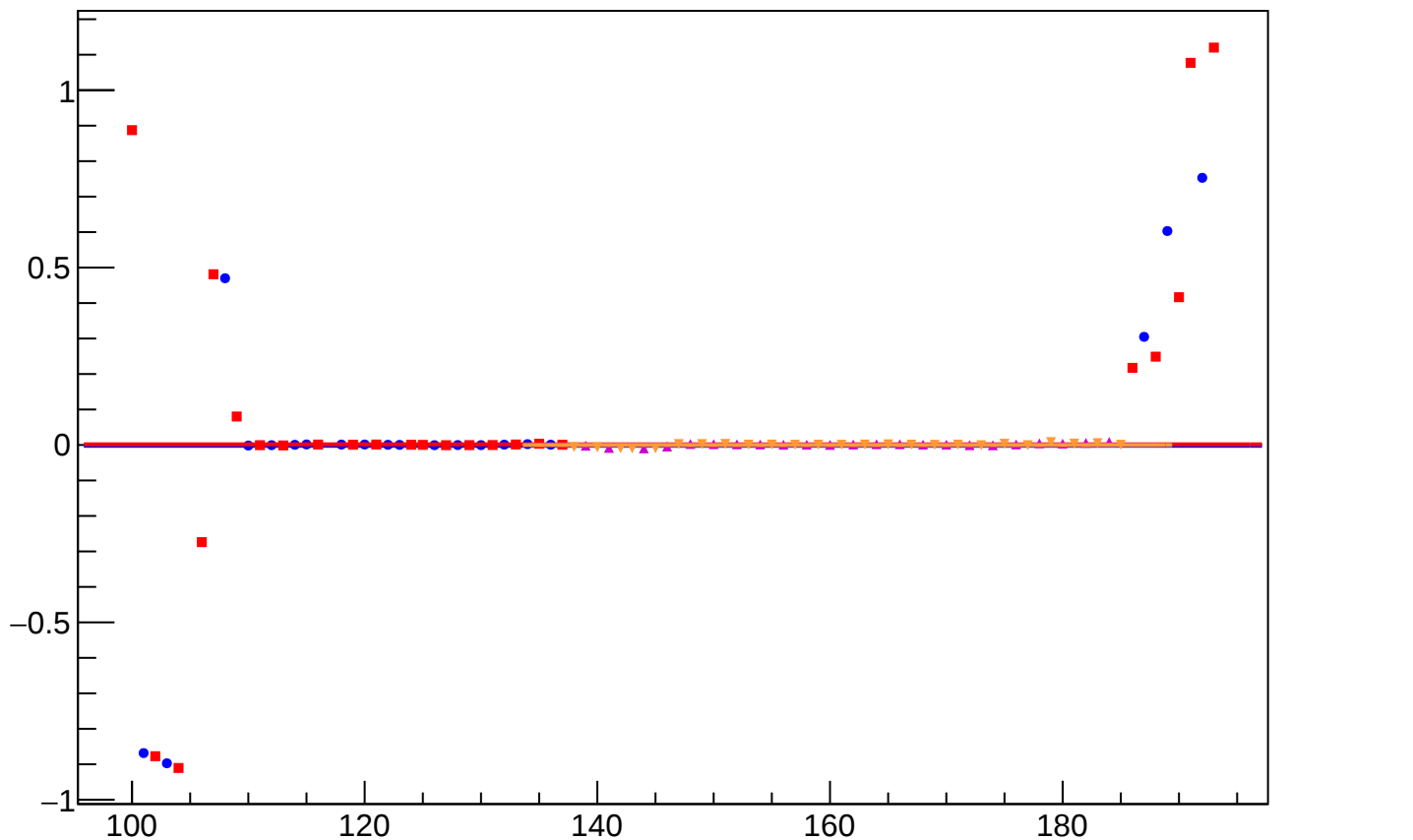
Left In: 0.009+/-0.000 χ^2/NDF : 1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 43680505.3/44

All: 0.000+/-0.000 χ^2/NDF : 87569088.9/91

- sign 0.000+/-0.000 χ^2/NDF : 43887461.4/46

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9795746641.5/19$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 151482851.1/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3041818396.0/23$

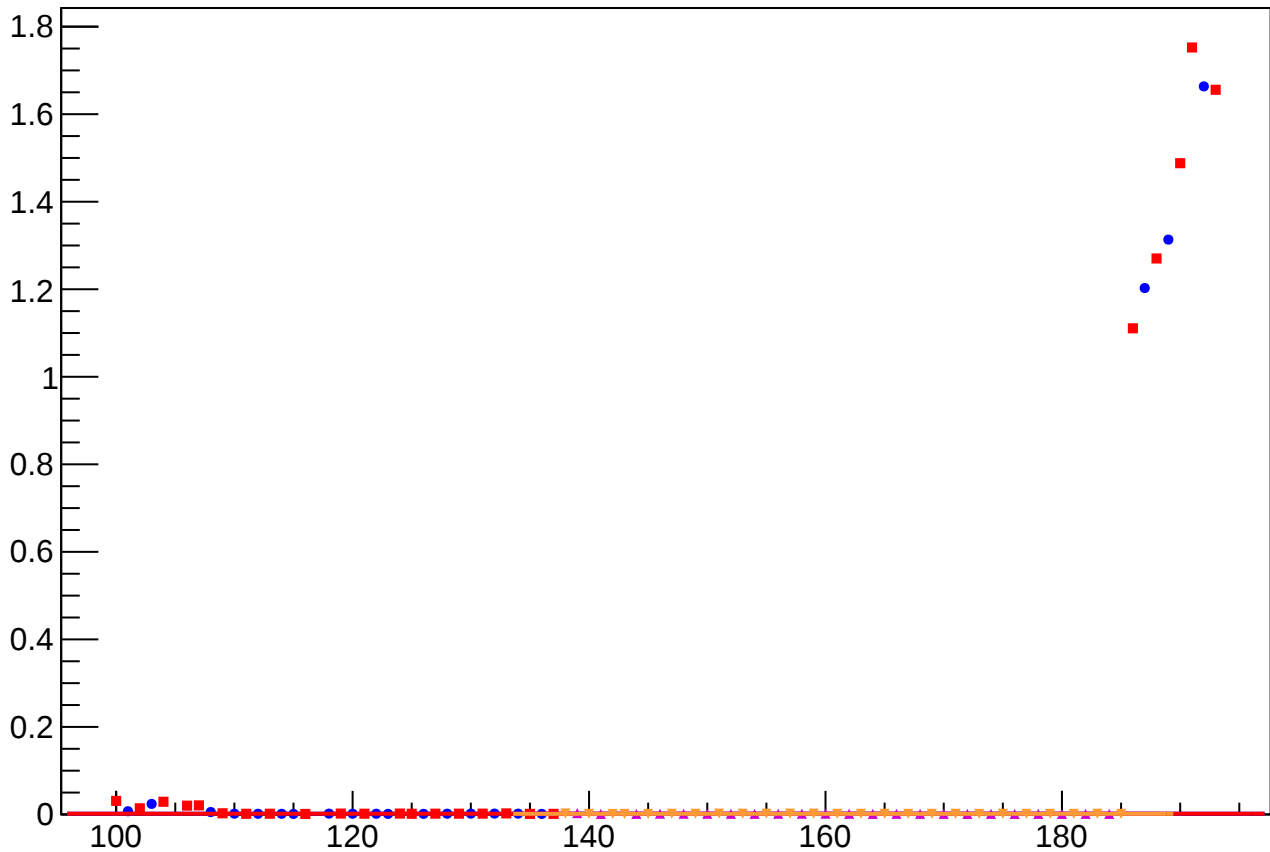
Left In: 0.001 ± 0.000 $\chi^2/\text{NDF}: 101439617.3/22$

+ sign -0.001 ± 0.000 $\chi^2/\text{NDF}: 9953766924.7/44$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13106570640.9/9$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 3145222817.3/46$

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 4906072.5/19

Left Out: 0.001+/-0.000 χ^2/NDF : 539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 7999196.7/23

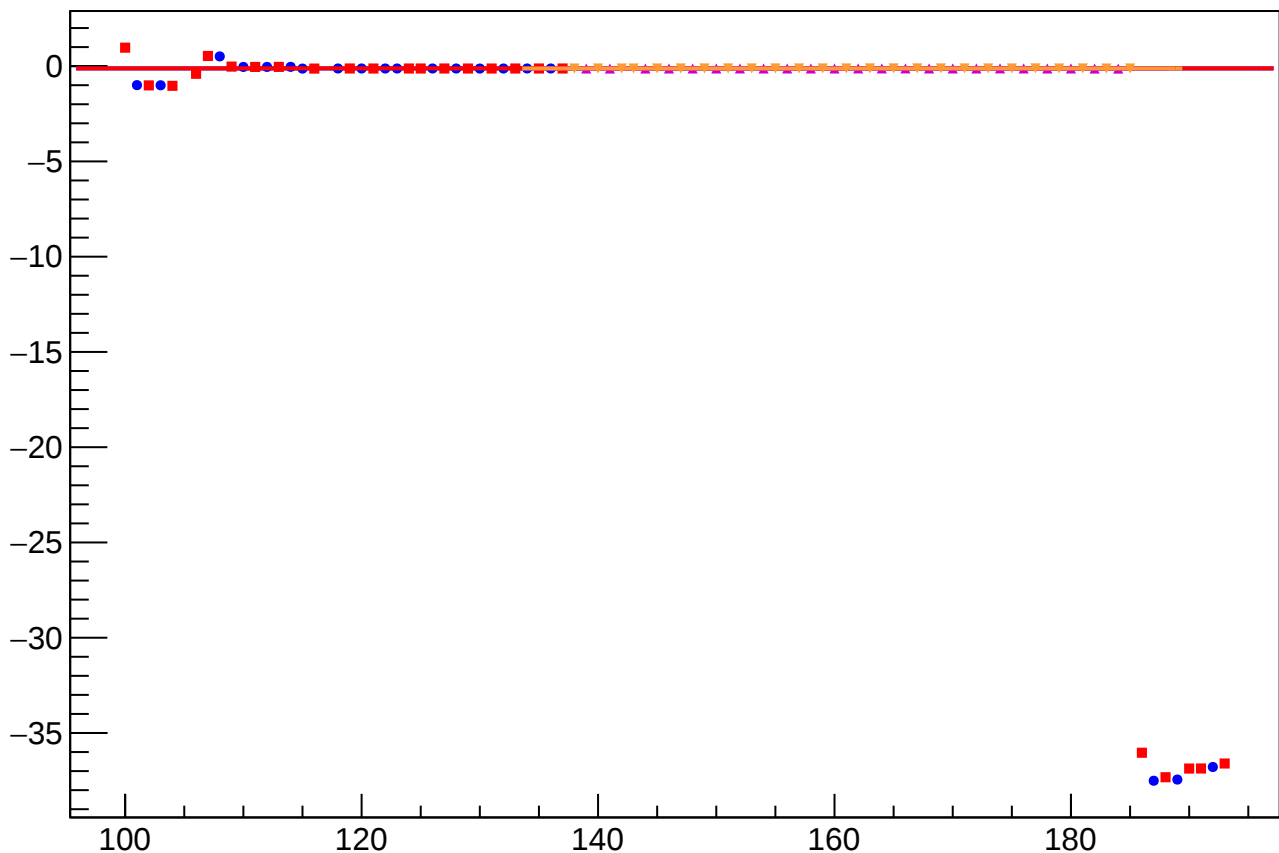
Left In: 0.001+/-0.000 χ^2/NDF : 626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 5516593.8/44

All: 0.002+/-0.000 χ^2/NDF : 14259162.5/91

- sign 0.002+/-0.000 χ^2/NDF : 8733618.7/46

yield_cav4cY_mean vs Slug



Right In: -0.121+/-0.000 χ^2/NDF : 15362188217.5/19

Left Out: -0.121+/-0.000 χ^2/NDF : 58120109.3/24

Right Out: -0.116+/-0.000 χ^2/NDF : 19464135566.8/23

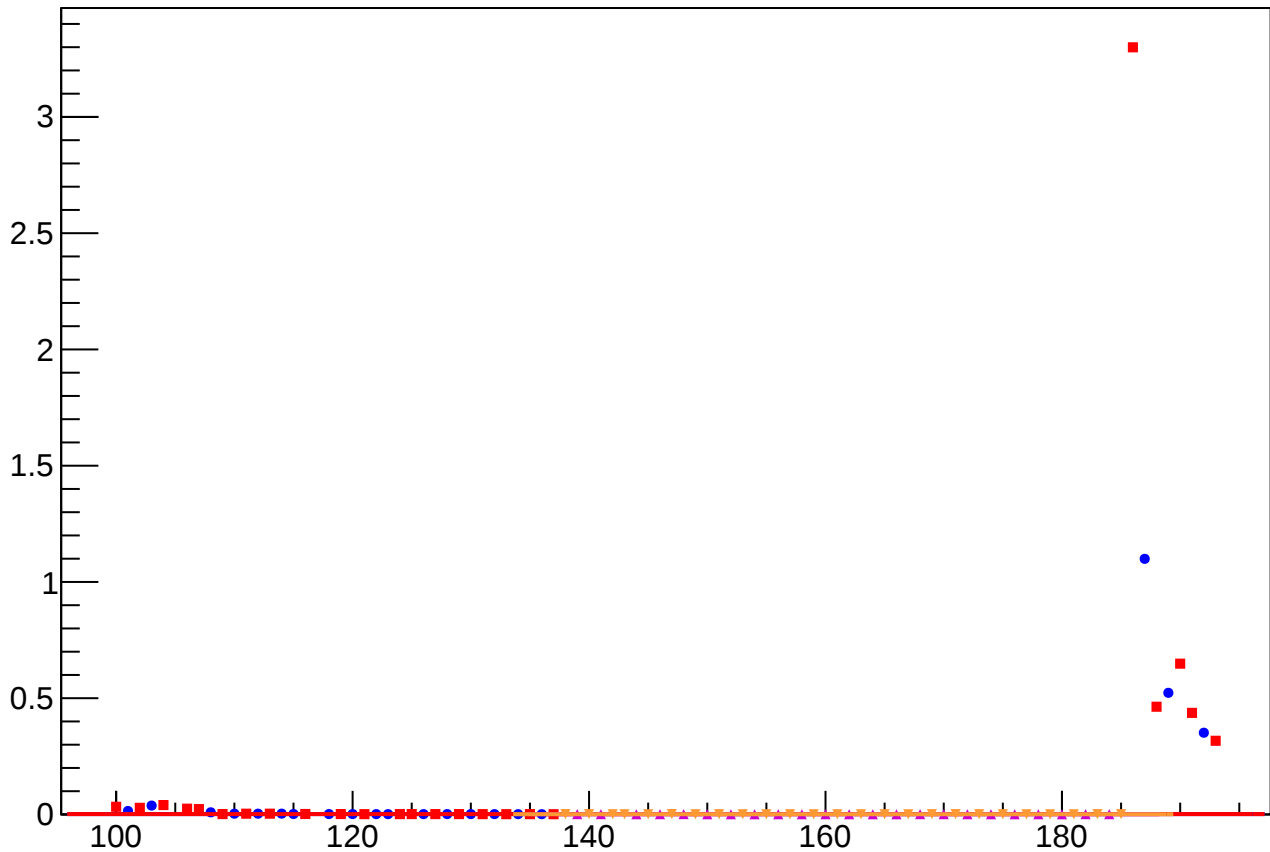
Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121+/-0.000 χ^2/NDF : 15420887493.0/44

All: -0.121+/-0.000 χ^2/NDF : 34988345740.0/44

- sign -0.120+/-0.000 χ^2/NDF : 19563392907.2/46

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 5695126.0/19

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 8328662.6/23

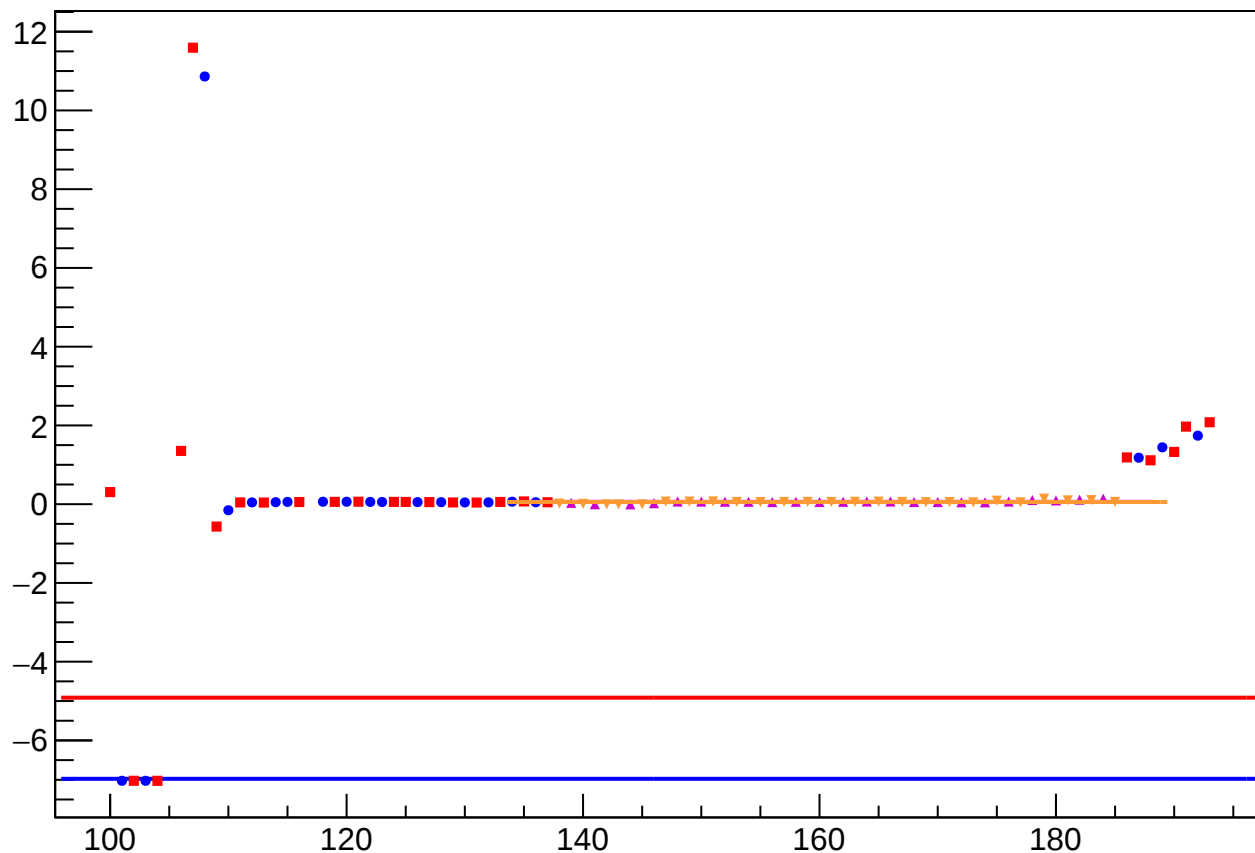
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 8244569.8/44

All: 0.001+/-0.000 χ^2/NDF : 18661005.4/91

- sign 0.001+/-0.000 χ^2/NDF : 10414602.3/46

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8797420607899.0/19

Left Out: 0.055 ± 0.000 χ^2/NDF : 243682351.4/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365352721553984.6/23

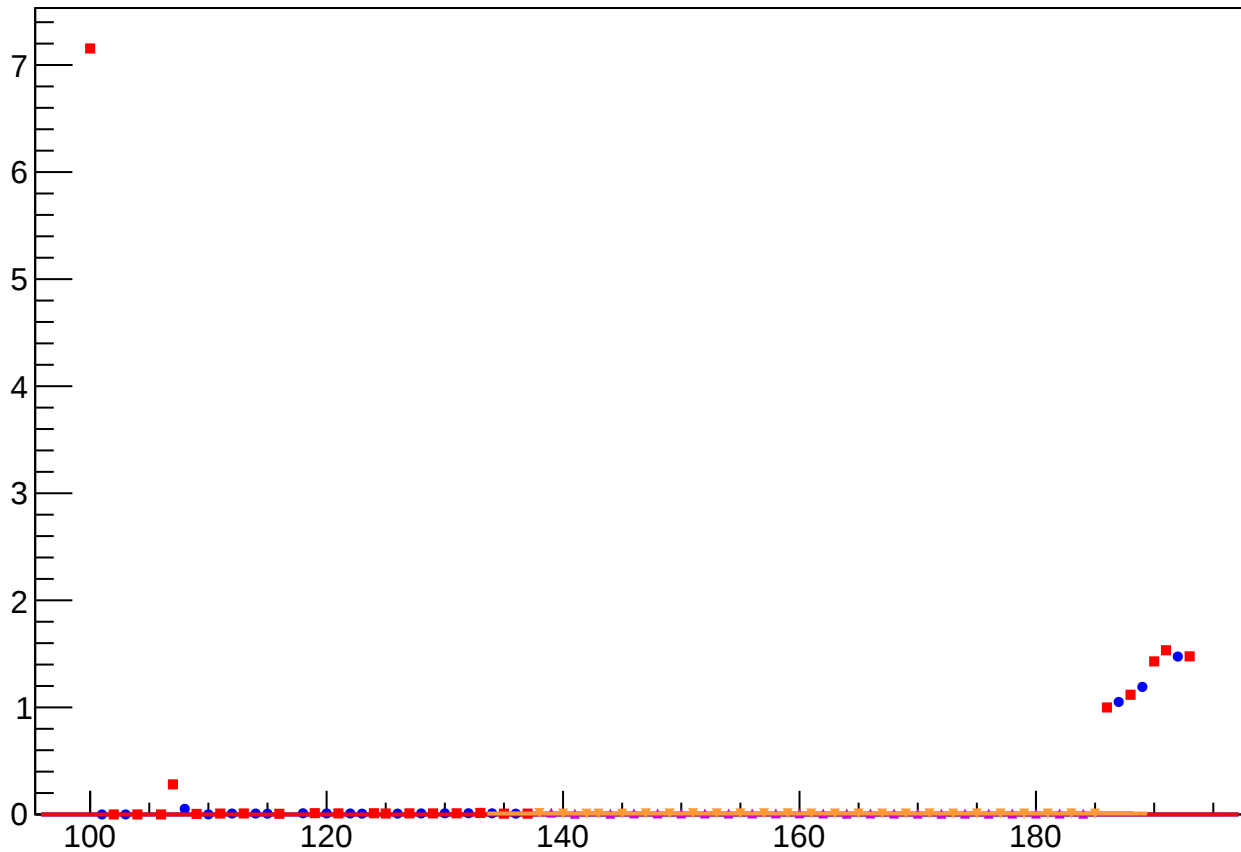
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18423735143403.2/19

All: -5.858 ± 0.000 χ^2/NDF : 4435286942934.6/23

- sign -4.882 ± 0.000 χ^2/NDF : 369731742314293.8

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11341686.2/19

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 13768211.4/23

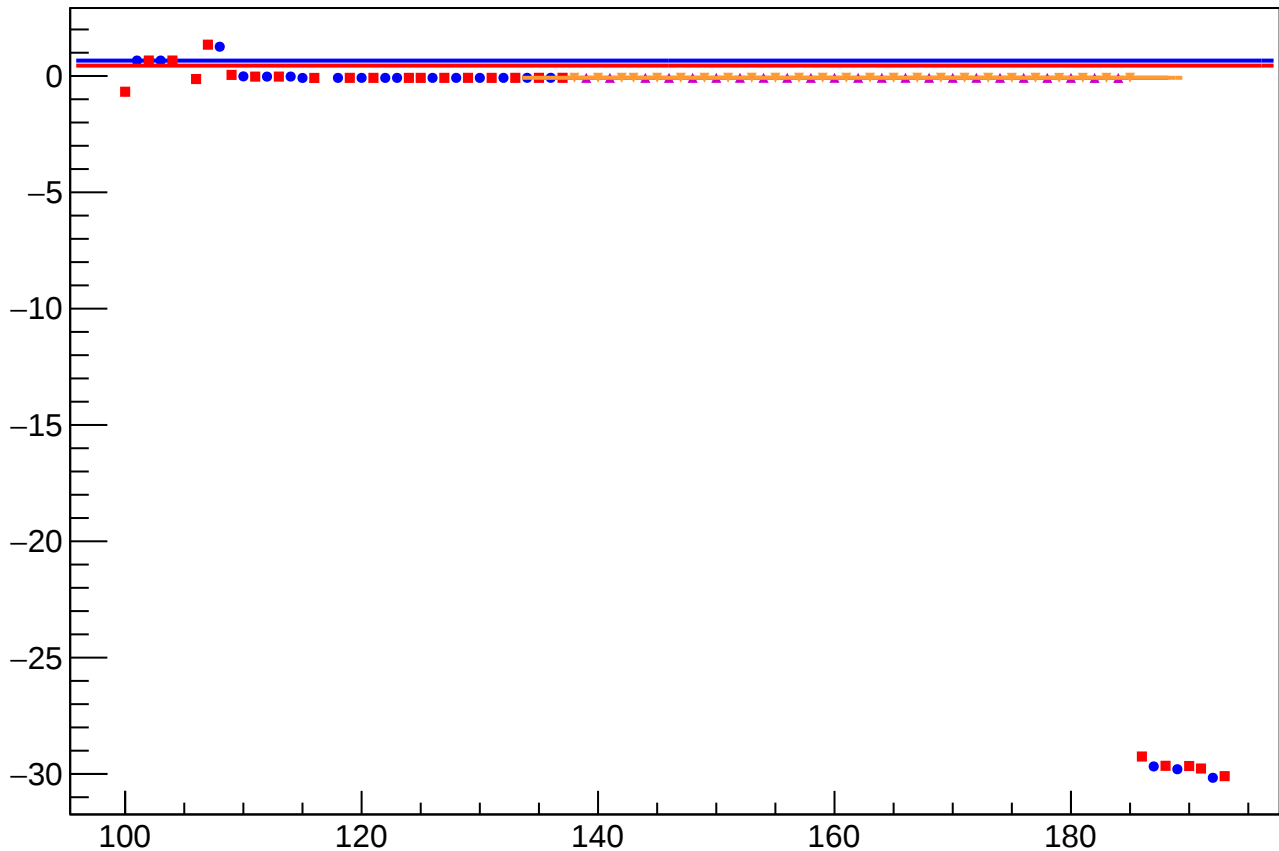
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 40244345.1/44

All: 0.000+/-0.000 χ^2/NDF : 81473888.3/91

- sign 0.000+/-0.000 χ^2/NDF : 41224740.2/46

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5670140036068.3/19

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156404795.7/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405443566275412.9/23

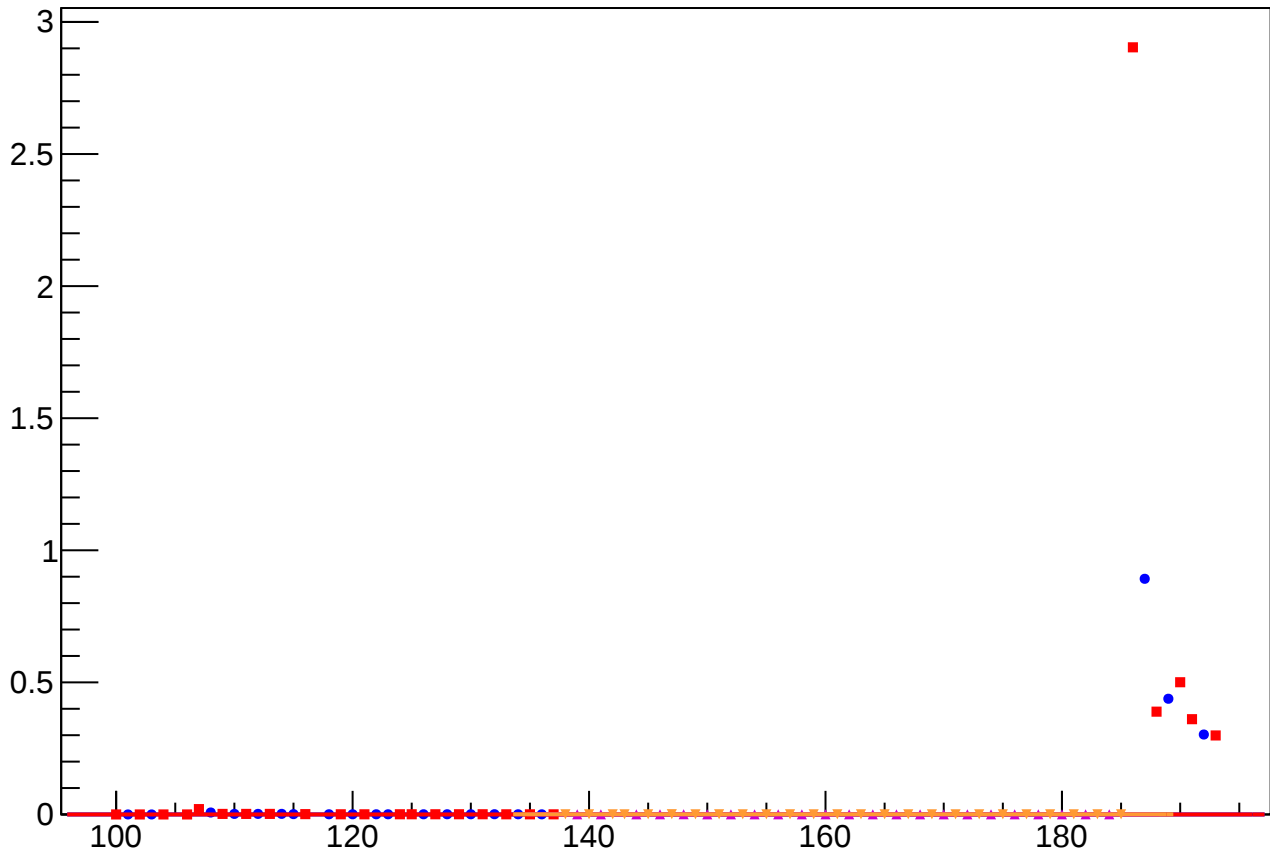
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 110762924.1/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35768956140740.3/4

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51587147507919

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419565615701791.8/4

yield_cav4dY_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 12893945.9/19

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:465981.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 14365682.7/23

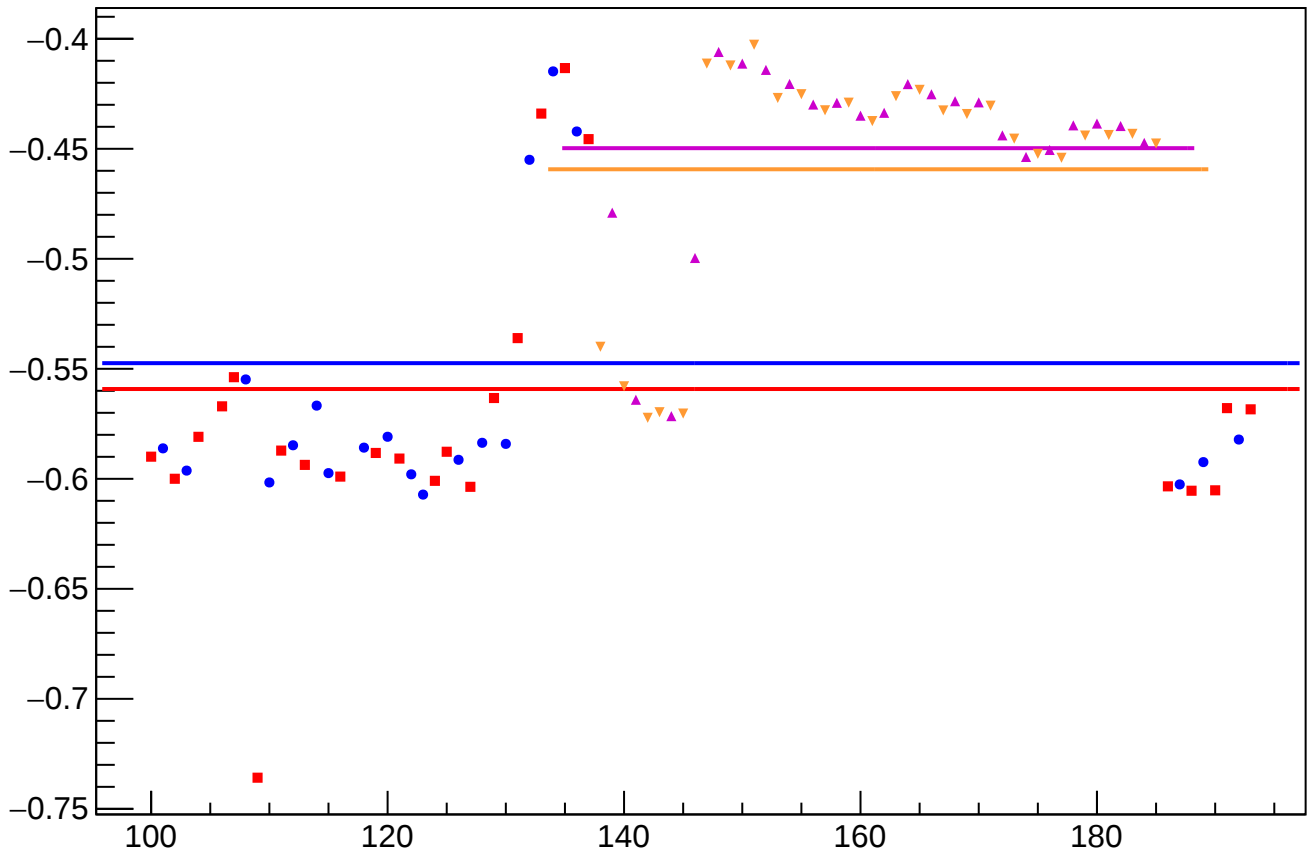
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:355509.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45447946.3/44

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 90614710.7/91

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45158939.8/46

yield_bpm4aX_mean vs Slug



Right In: -0.547 ± 0.000 $\chi^2/\text{NDF}: 47158276.5/19$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 113602161.0/24$

Right Out: -0.559 ± 0.000 $\chi^2/\text{NDF}: 65528401.3/23$

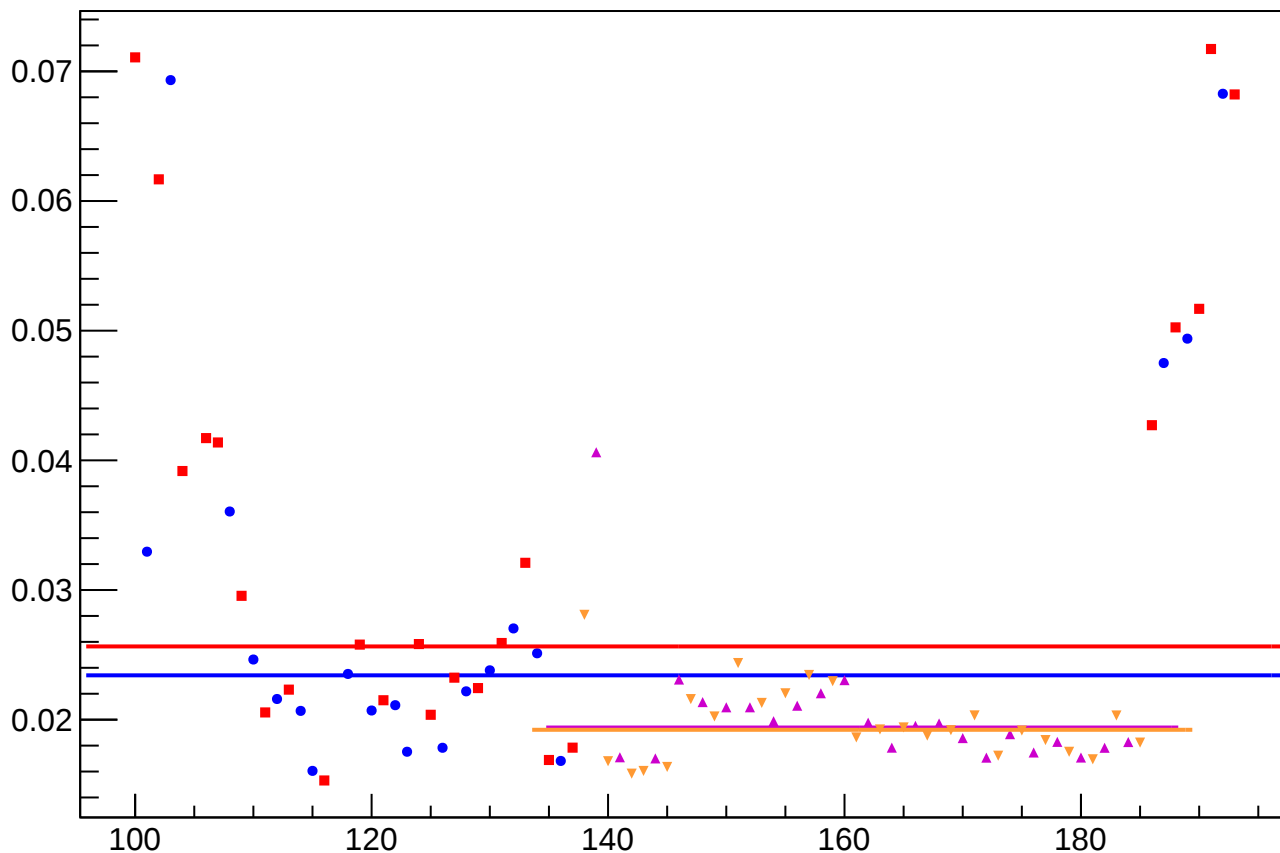
Left In: -0.450 ± 0.000 $\chi^2/\text{NDF}: 76117957.8/22$

+ sign -0.478 ± 0.000 $\chi^2/\text{NDF}: 227695333.3/44$

All: -0.476 ± 0.000 $\chi^2/\text{NDF}: 469106445.0/91$

- sign -0.474 ± 0.000 $\chi^2/\text{NDF}: 241010768.8/46$

yield_bpm4aX_rms vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 2101580.8/19

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:501711.6/24

Right Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 2707415.8/23

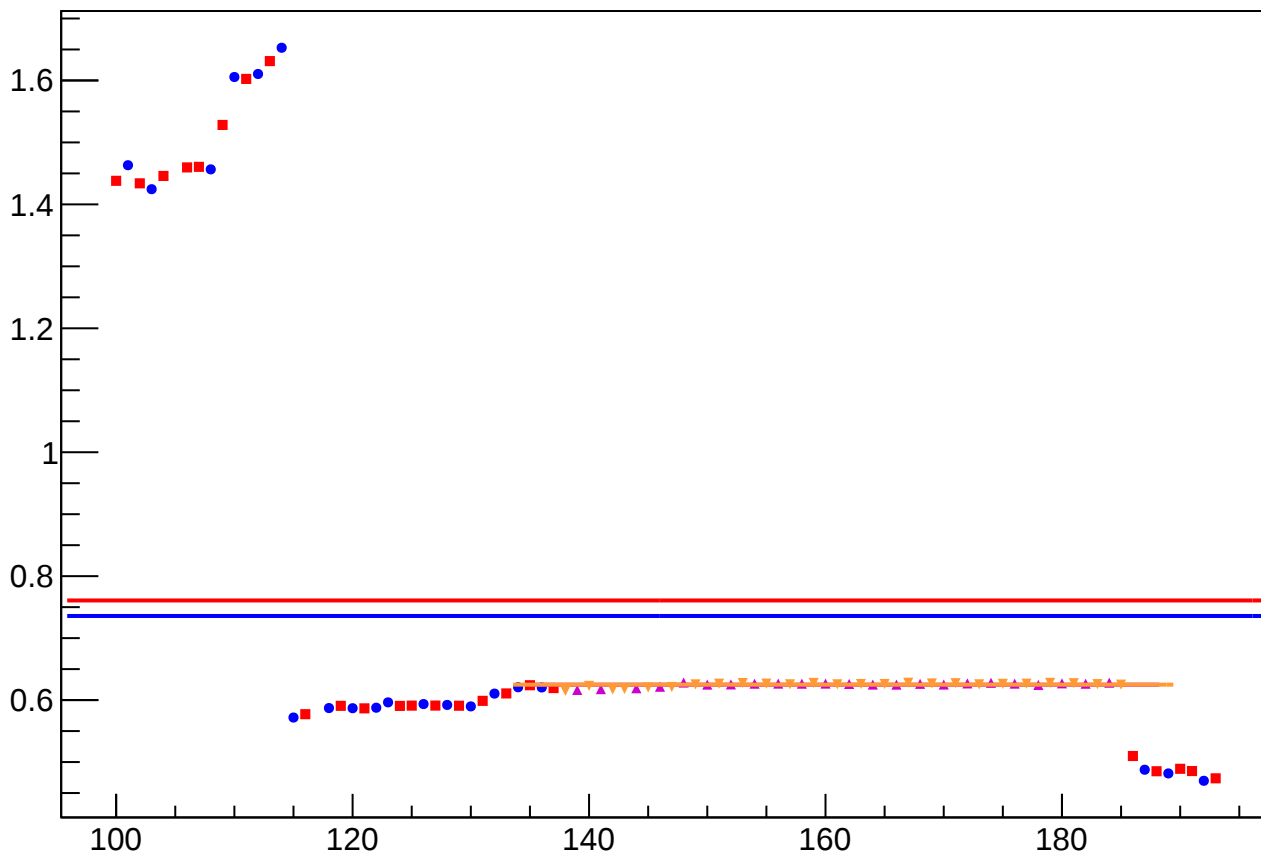
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:626443.5/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2907366.9/44

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 6912208.8/91

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 3982557.4/46

yield_bpm4aY_mean vs Slug



Right In: 0.736 $\pm$ 0.000 χ^2 /NDF: 4050680870.5/19

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.761 $\pm$ 0.000 χ^2 /NDF: 4874581146.2/23

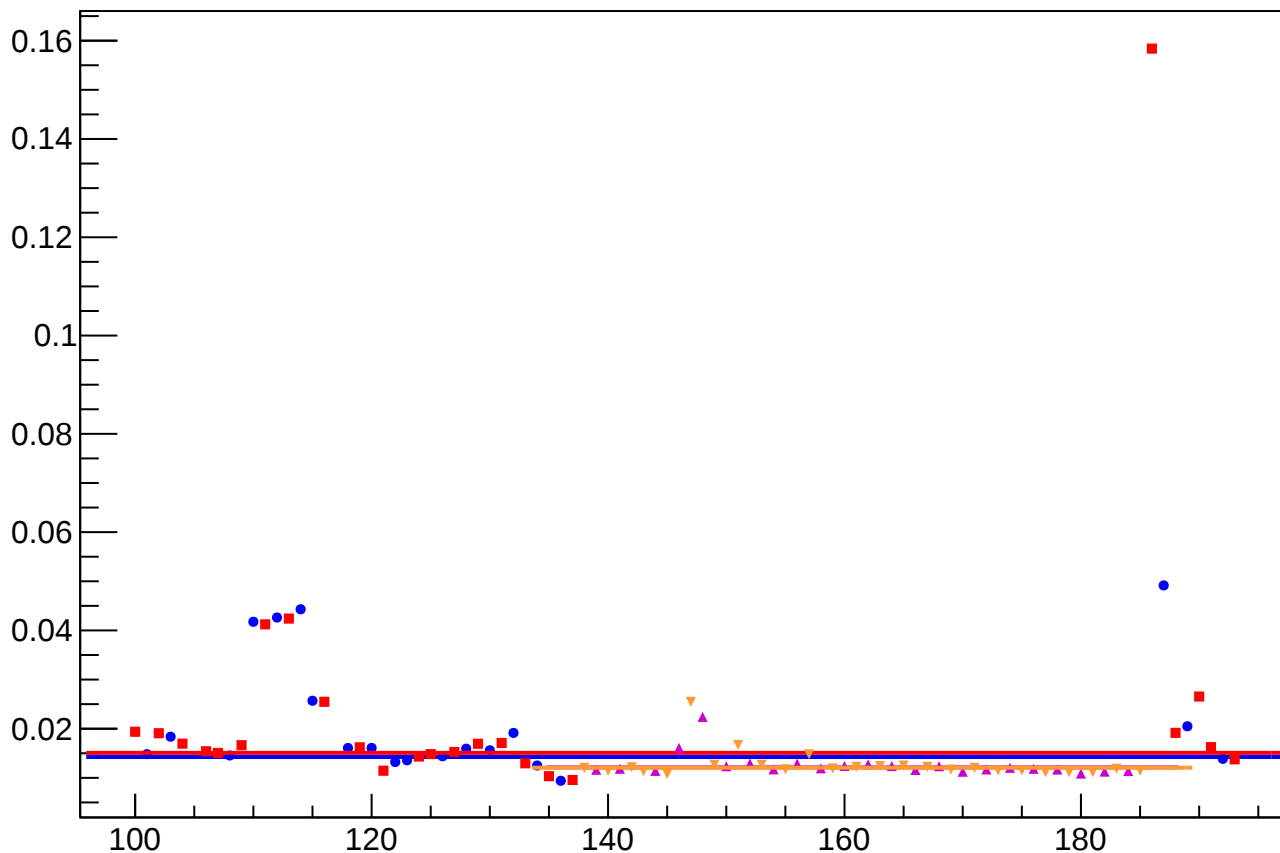
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.649 $\pm$ 0.000 χ^2 /NDF: 4381400391.0/44

All: 0.653 $\pm$ 0.000 χ^2 /NDF: 9757644954.1/91

- sign 0.657 $\pm$ 0.000 χ^2 /NDF: 5371892130.9/46

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1623164.0/19

Left Out: 0.012+/-0.000 χ^2/NDF : 657199.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2054811.8/23

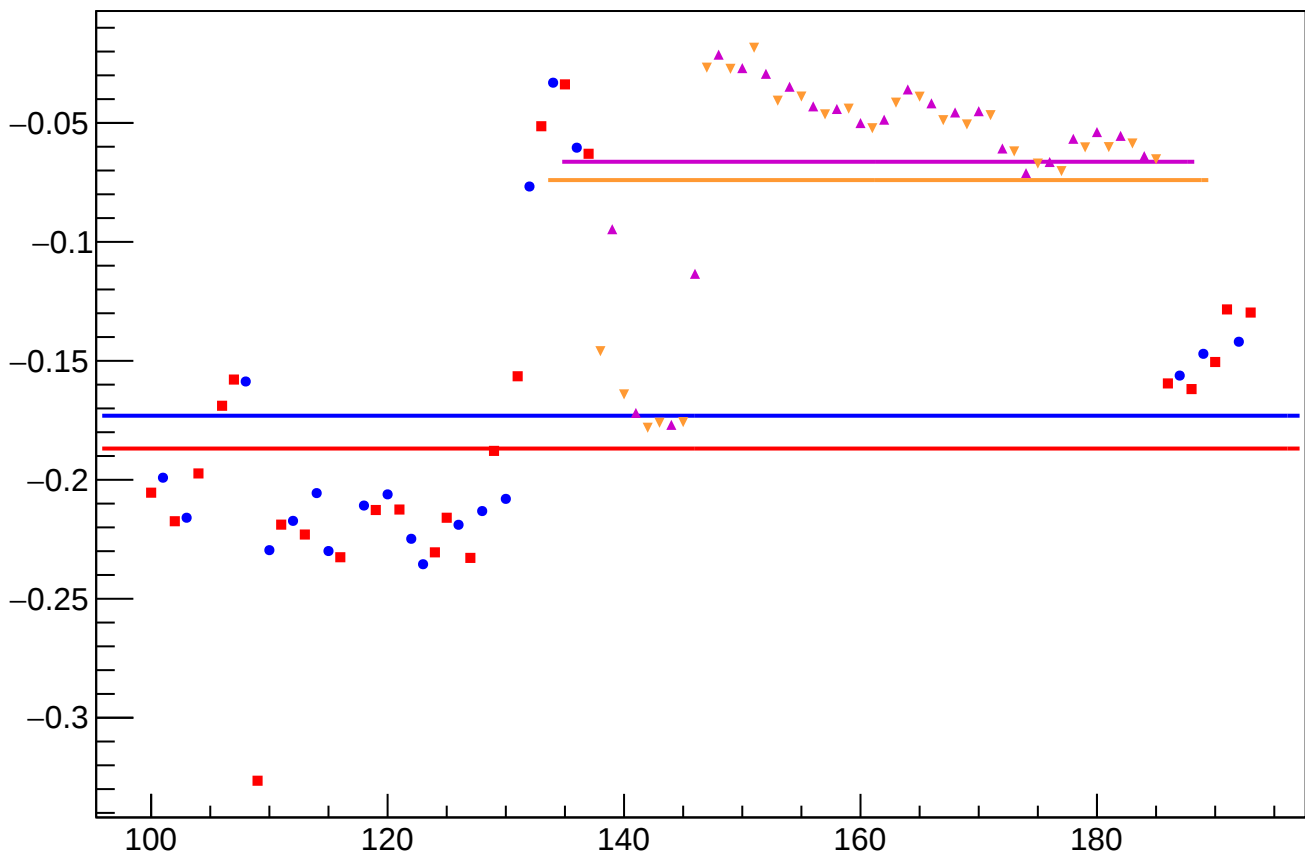
Left In: 0.012+/-0.000 χ^2/NDF : 488363.6/22

+ sign 0.013+/-0.000 χ^2/NDF : 2533454.2/44

All: 0.013+/-0.000 χ^2/NDF : 5557191.5/91

- sign 0.013+/-0.000 χ^2/NDF : 3011521.0/46

yield_bpm4eX_mean vs Slug



Right In: -0.173 ± 0.000 χ^2/NDF : 67108852.1/19

Left Out: -0.074 ± 0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.187 ± 0.000 χ^2/NDF : 83191800.4/23

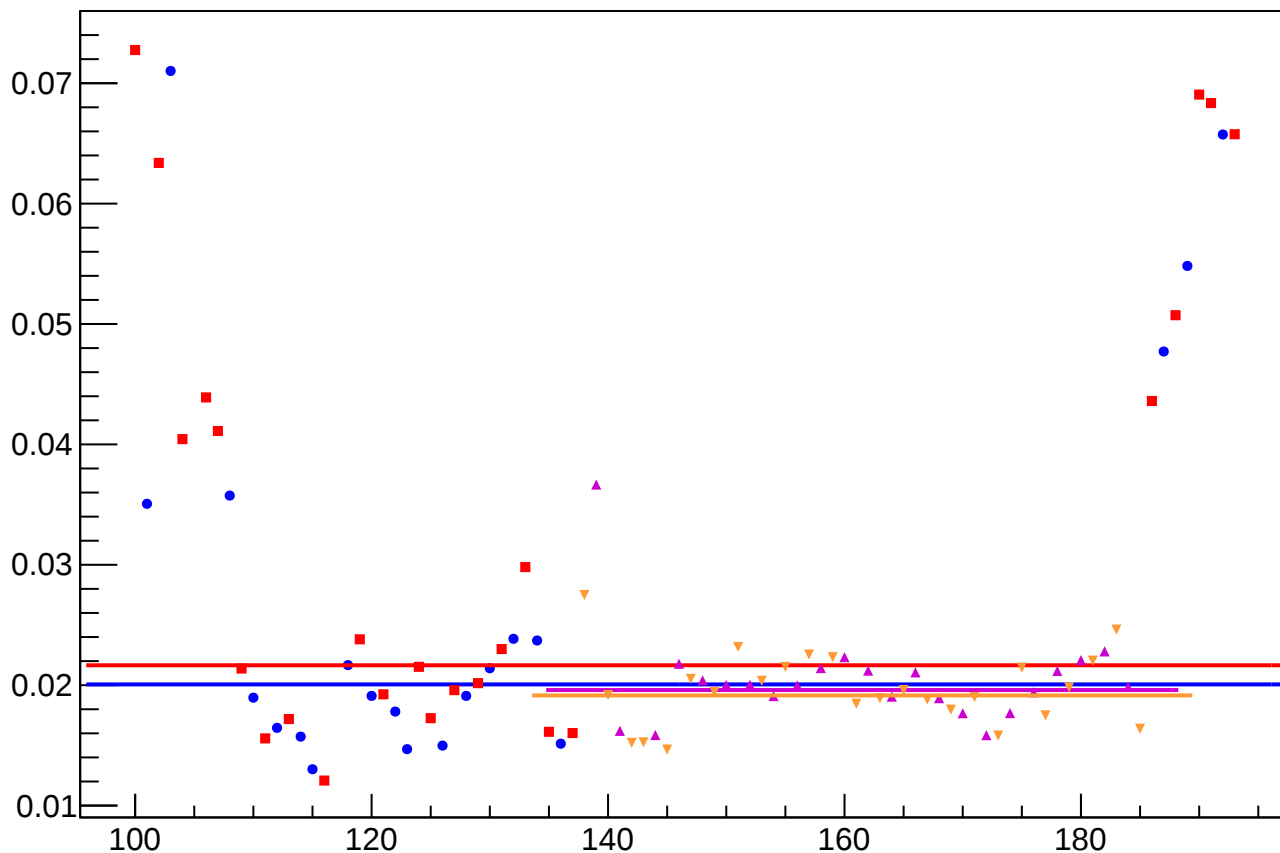
Left In: -0.066 ± 0.000 χ^2/NDF : 76243051.8/22

+ sign -0.100 ± 0.000 χ^2/NDF : 279573443.5/44

All: -0.100 ± 0.000 χ^2/NDF : 588300169.6/91

- sign -0.100 ± 0.000 χ^2/NDF : 308726595.2/46

yield_bpm4eX_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 2579432.1/19

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 641277.0/24

Right Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 3488935.3/23

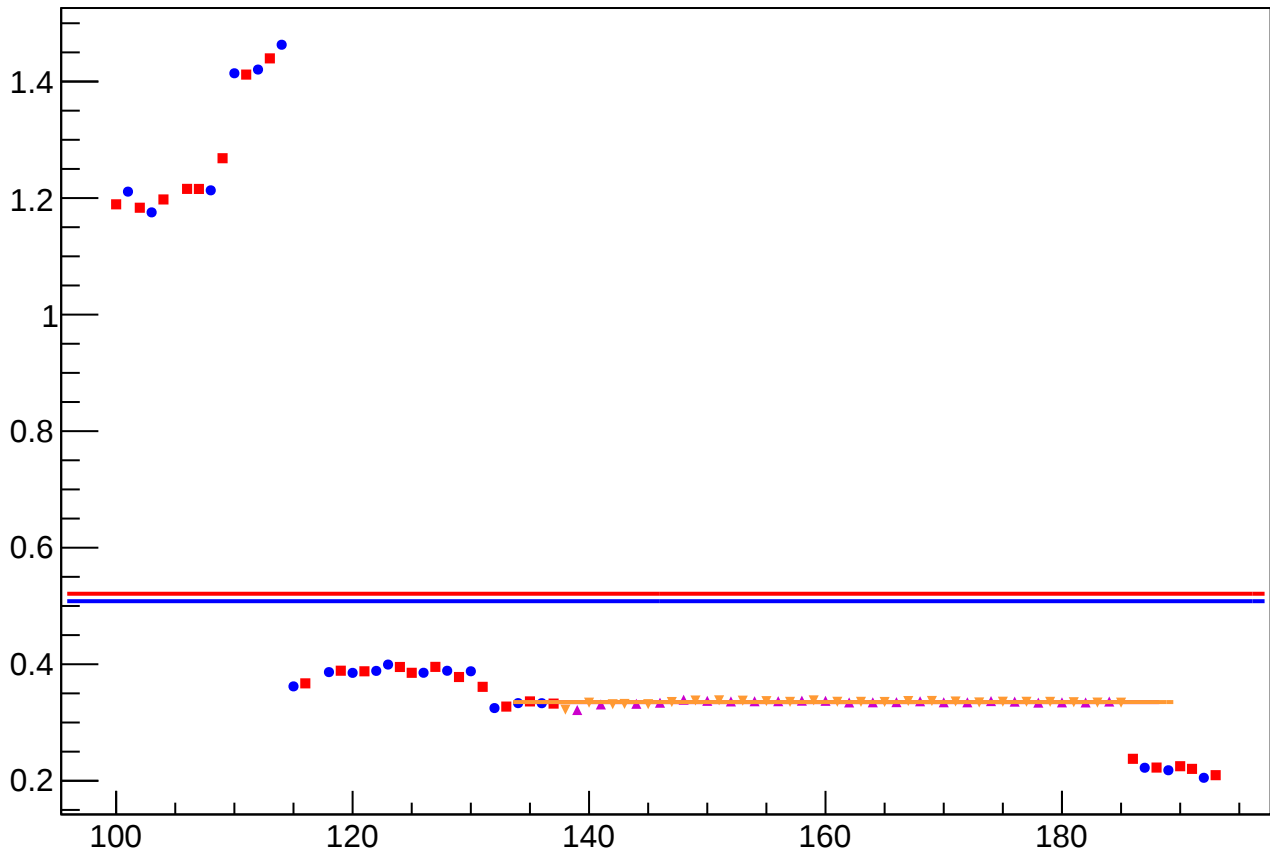
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 623148.2/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 3238550.2/44

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 7469945.8/91

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 4198987.6/46

yield_bpm4eY_mean vs Slug



Right In: 0.508 $\pm$ 0.000 χ^2 /NDF: 5805810427.7/19

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1154310.3/24

+ sign 0.377 $\pm$ 0.000 χ^2 /NDF: 6836173515.6/44

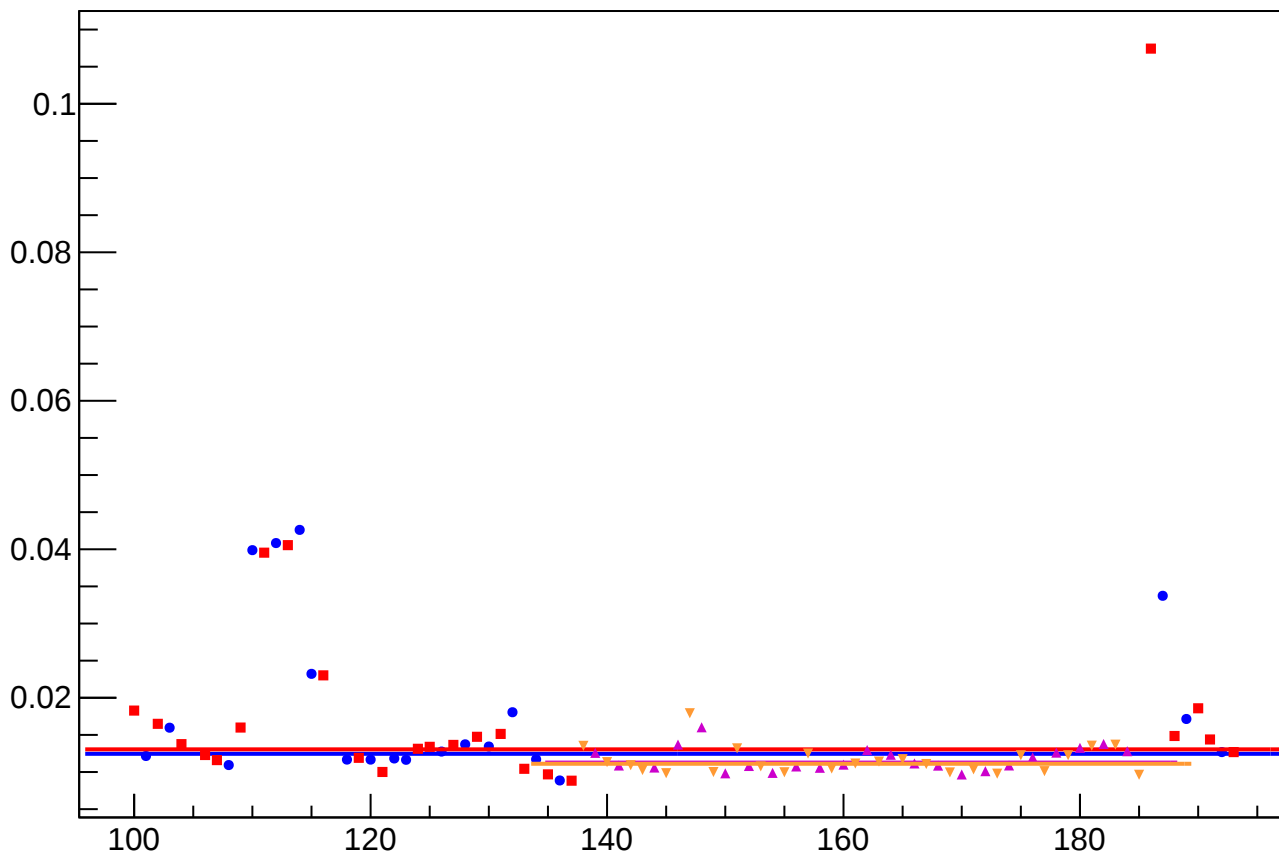
Right Out: 0.521 $\pm$ 0.000 χ^2 /NDF: 6740267747.0/23

All: 0.381 $\pm$ 0.000 χ^2 /NDF: 14775320997.3/9

- sign 0.384 $\pm$ 0.000 χ^2 /NDF: 7934303683.6/46

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF: 1202194.8/22

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1491966.3/19

Left Out: 0.011+/-0.000 χ^2/NDF : 607532.0/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1919494.2/23

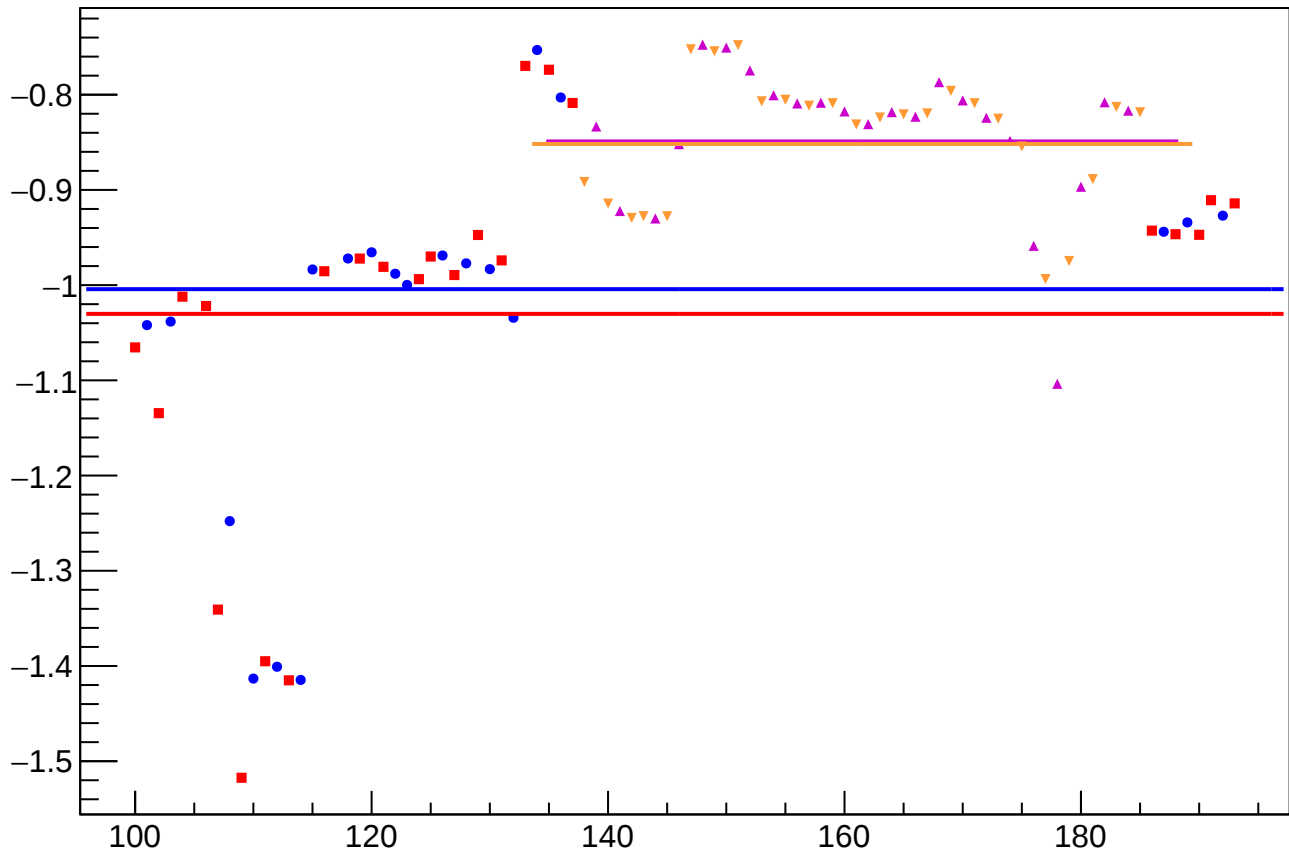
Left In: 0.011+/-0.000 χ^2/NDF : 502455.5/22

+ sign 0.011+/-0.000 χ^2/NDF : 2223068.8/44

All: 0.012+/-0.000 χ^2/NDF : 4881429.1/91

- sign 0.012+/-0.000 χ^2/NDF : 2641099.6/46

yield_bpm4acX_mean vs Slug



Right In: -1.004 ± 0.000 χ^2/NDF : 396099140.6/19

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.030 ± 0.000 χ^2/NDF : 544074669.5/23

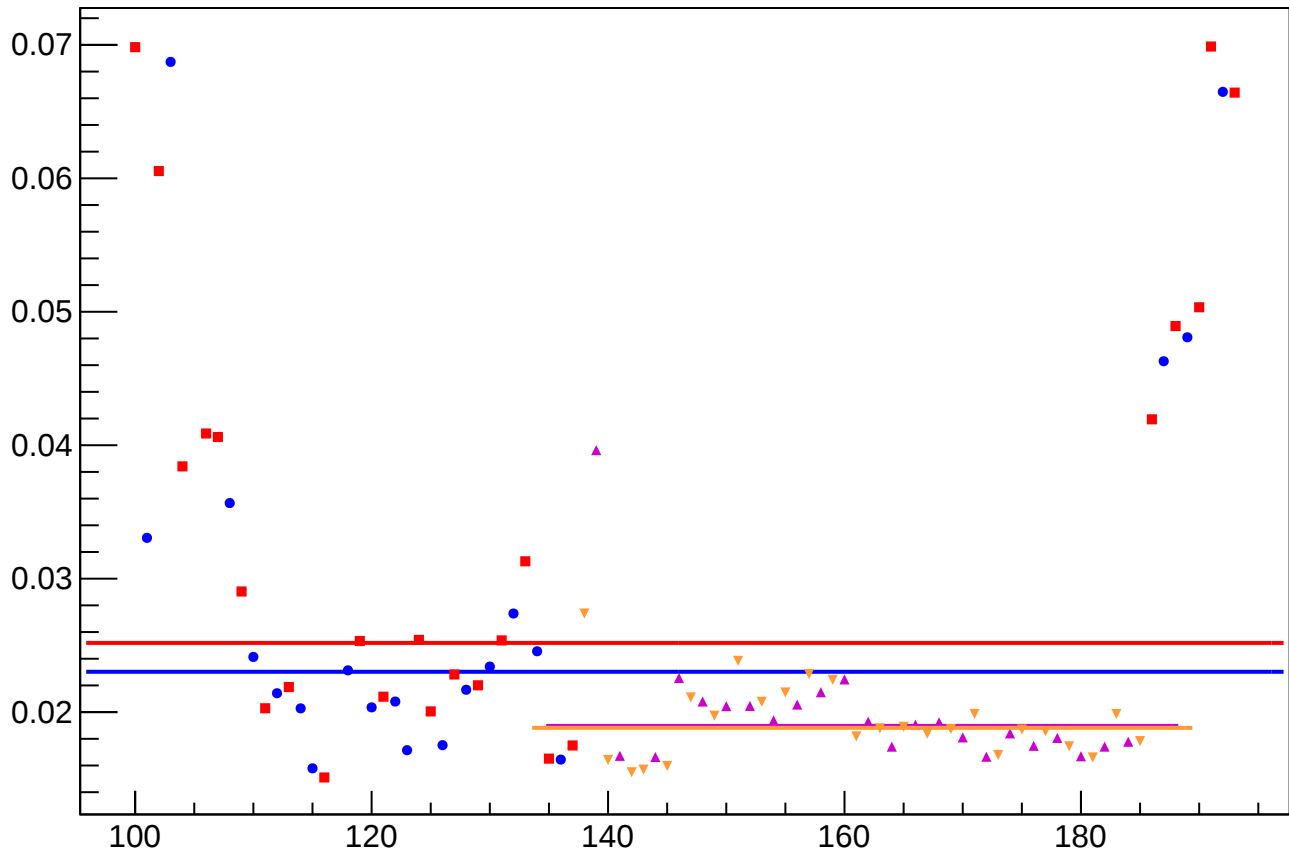
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.884 ± 0.000 χ^2/NDF : 792816984.3/44

All: -0.887 ± 0.000 χ^2/NDF : 1876435106.1/9

- sign -0.889 ± 0.000 χ^2/NDF : 1082970981.3/46

yield_bpm4acX_rms vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 2113527.2/19

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:490509.4/24

Right Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 2686640.3/23

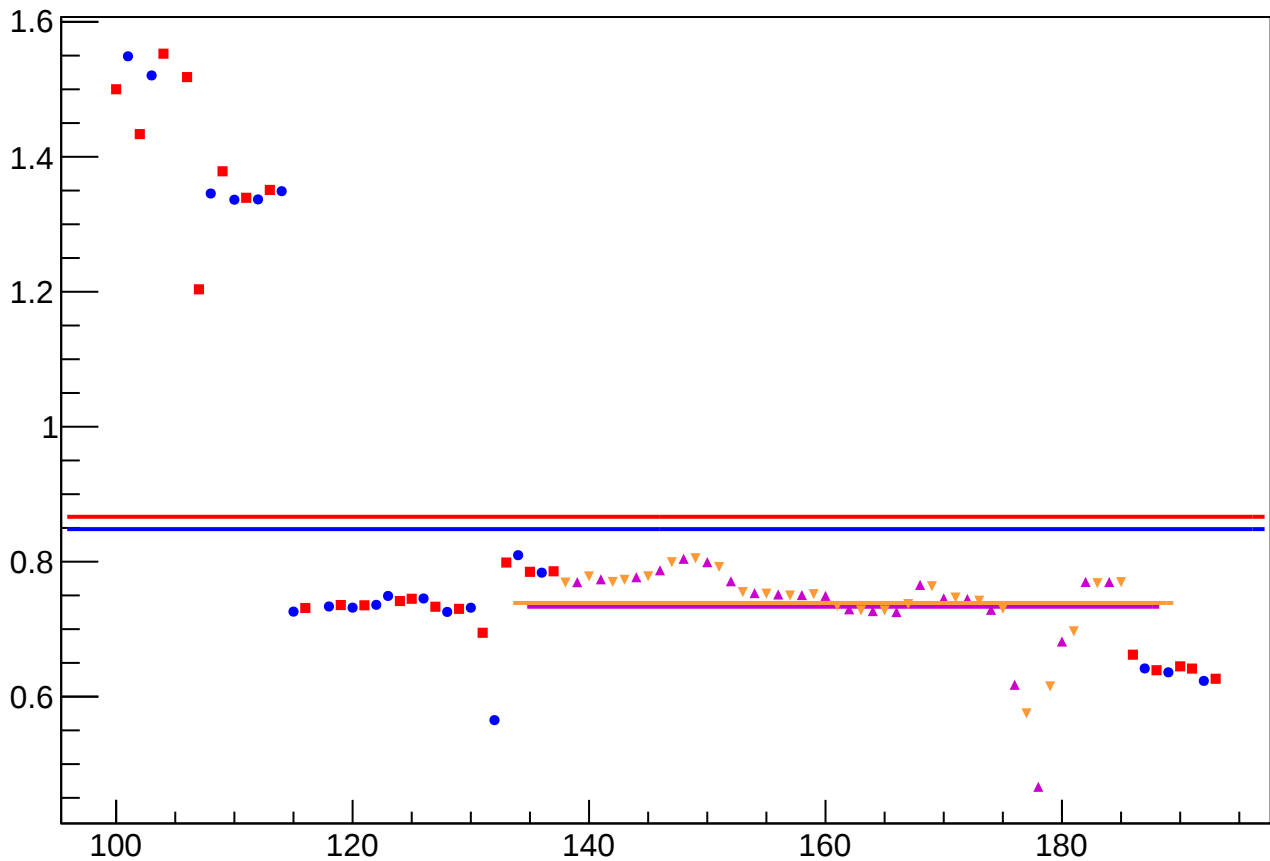
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:615173.8/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2919068.3/44

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 6907451.2/91

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 3968045.8/46

yield_bpm4acY_mean vs Slug



Right In: 0.848 $\pm$ 0.000 χ^2 /NDF: 2740889334.7/19

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

+ sign 0.763 $\pm$ 0.000 χ^2 /NDF: 3386419707.7/44

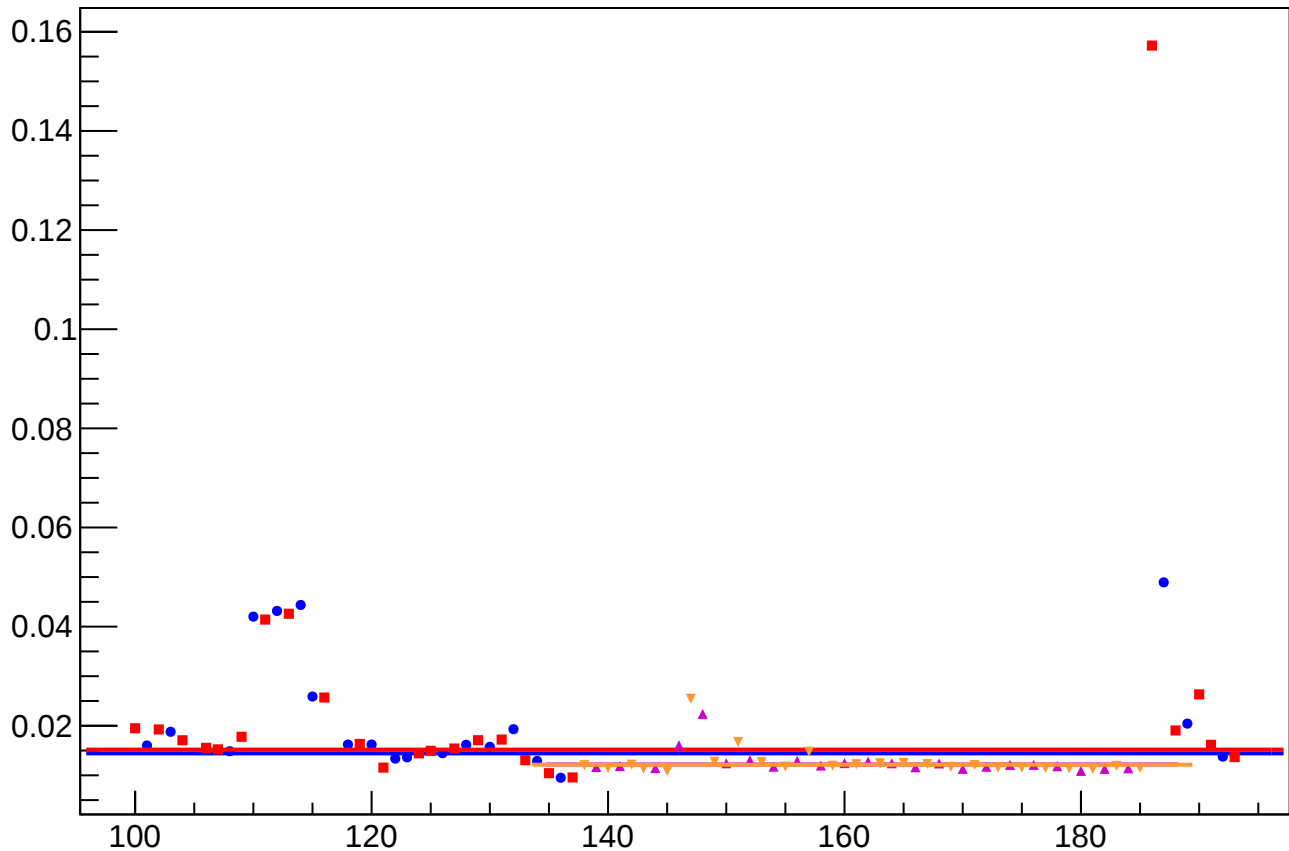
Right Out: 0.867 $\pm$ 0.000 χ^2 /NDF: 2930302497.2/23

All: 0.764 $\pm$ 0.000 χ^2 /NDF: 7356866991.7/91

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

- sign 0.765 $\pm$ 0.000 χ^2 /NDF: 3970180319.6/46

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1627393.6/19

Left Out: 0.012+/-0.000 χ^2/NDF : 637986.2/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2053347.5/23

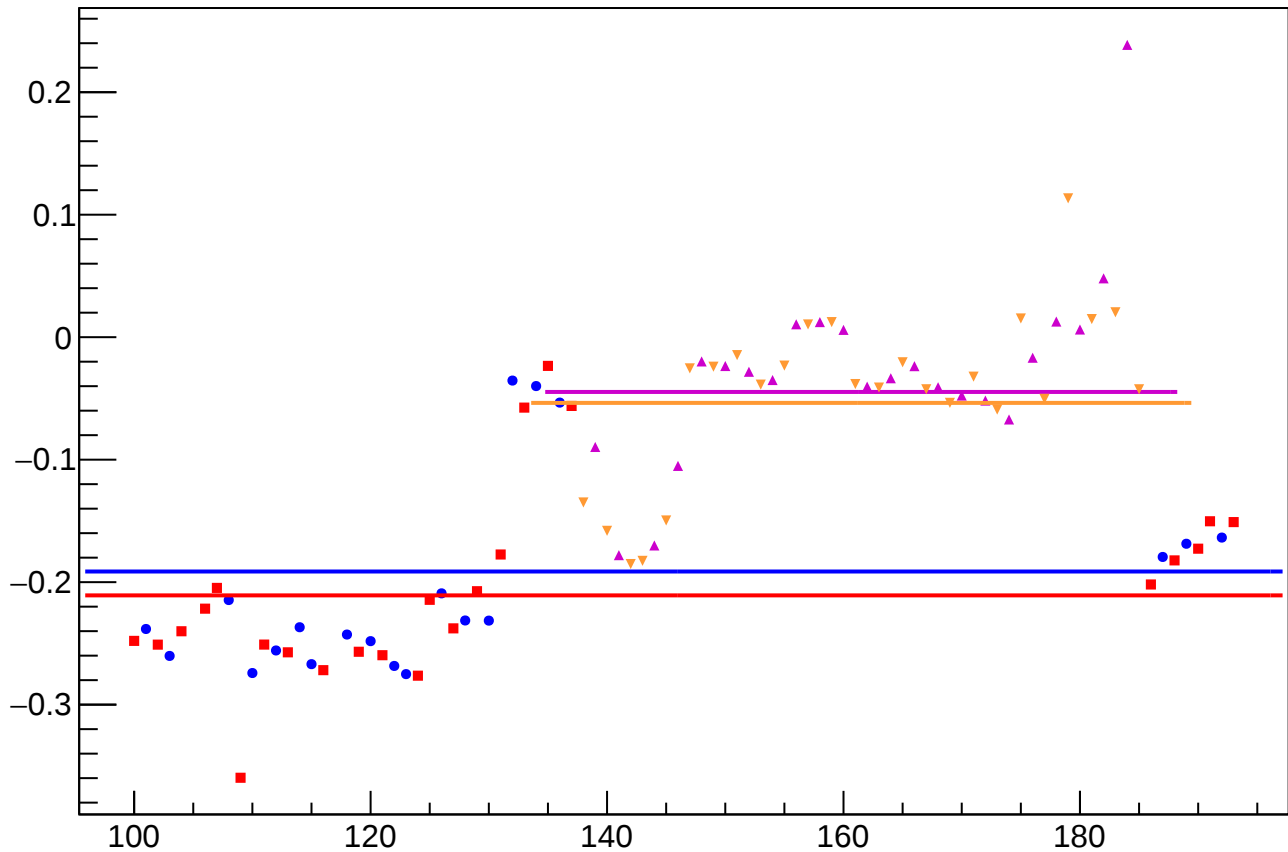
Left In: 0.012+/-0.000 χ^2/NDF : 481830.1/22

+ sign 0.013+/-0.000 χ^2/NDF : 2538571.7/44

All: 0.013+/-0.000 χ^2/NDF : 5559321.6/91

- sign 0.013+/-0.000 χ^2/NDF : 3010740.7/46

yield_bpm4ecX_mean vs Slug



Right In: -0.191+/-0.000 χ^2/NDF : 106448170.8/19

Left Out: -0.054+/-0.000 χ^2/NDF : 167834173.6/24

Right Out: -0.211+/-0.000 χ^2/NDF : 111719940.1/23

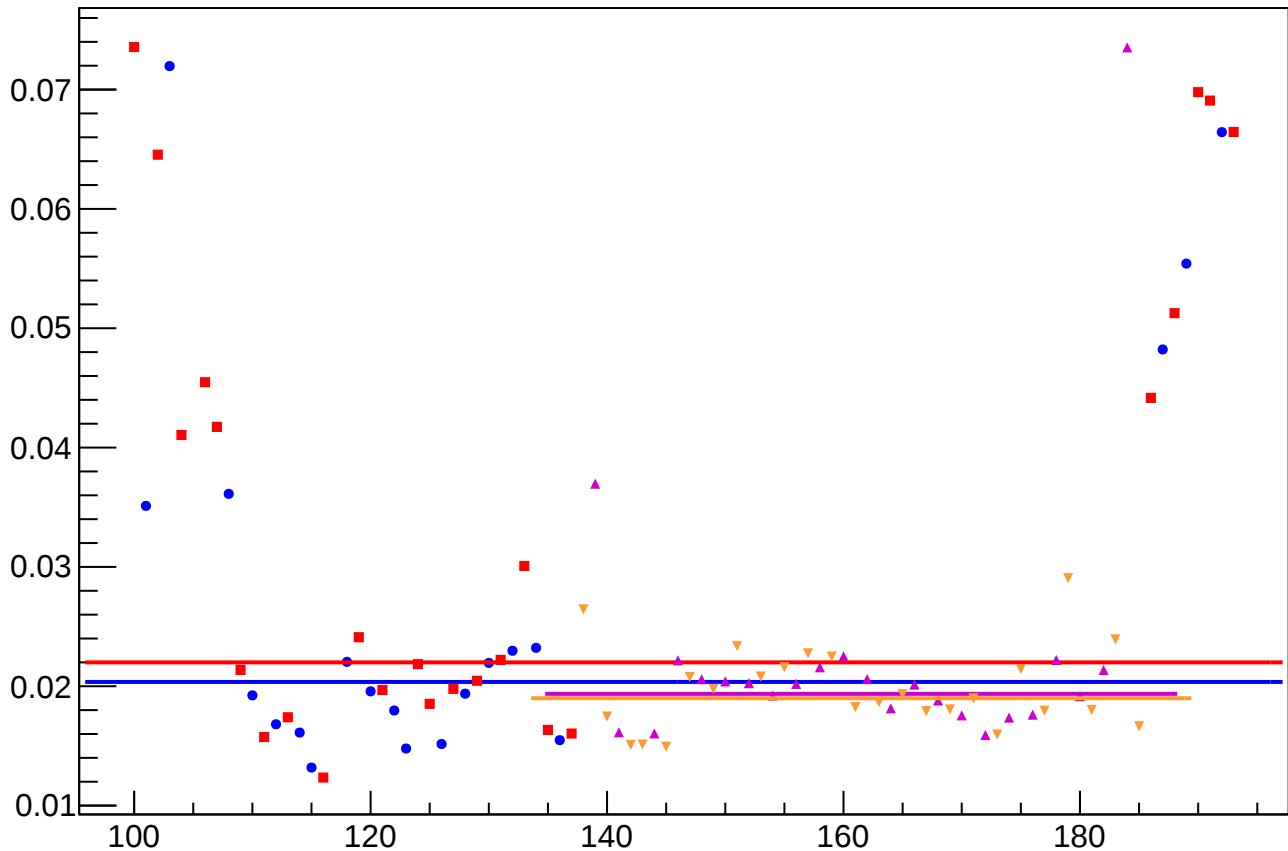
Left In: -0.045+/-0.000 χ^2/NDF : 127192425.2/22

+ sign -0.089+/-0.000 χ^2/NDF : 471791088.4/44

All: -0.089+/-0.000 χ^2/NDF : 987190647.6/91

- sign -0.090+/-0.000 χ^2/NDF : 515386960.7/46

yield_bpm4ecX_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 2545014.7/19

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 3468604.9/23

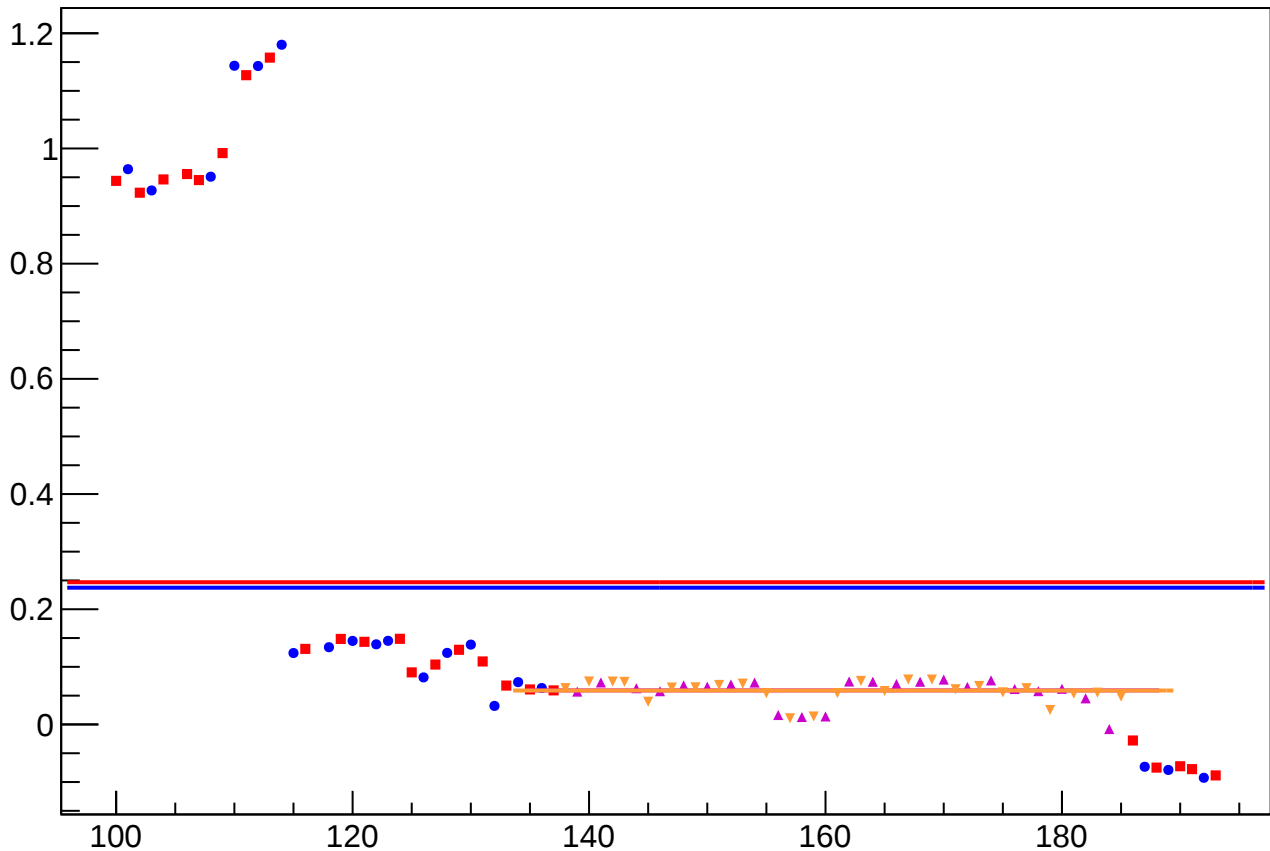
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 3284151.3/44

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 7778556.3/91

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 4466210.1/46

yield_bpm4ecY_mean vs Slug



Right In: 0.237 $\pm$ 0.000 χ^2 /NDF: 6104295143.1/19

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46821236.8/24

Right Out: 0.247 $\pm$ 0.000 χ^2 /NDF: 6919298919.8/23

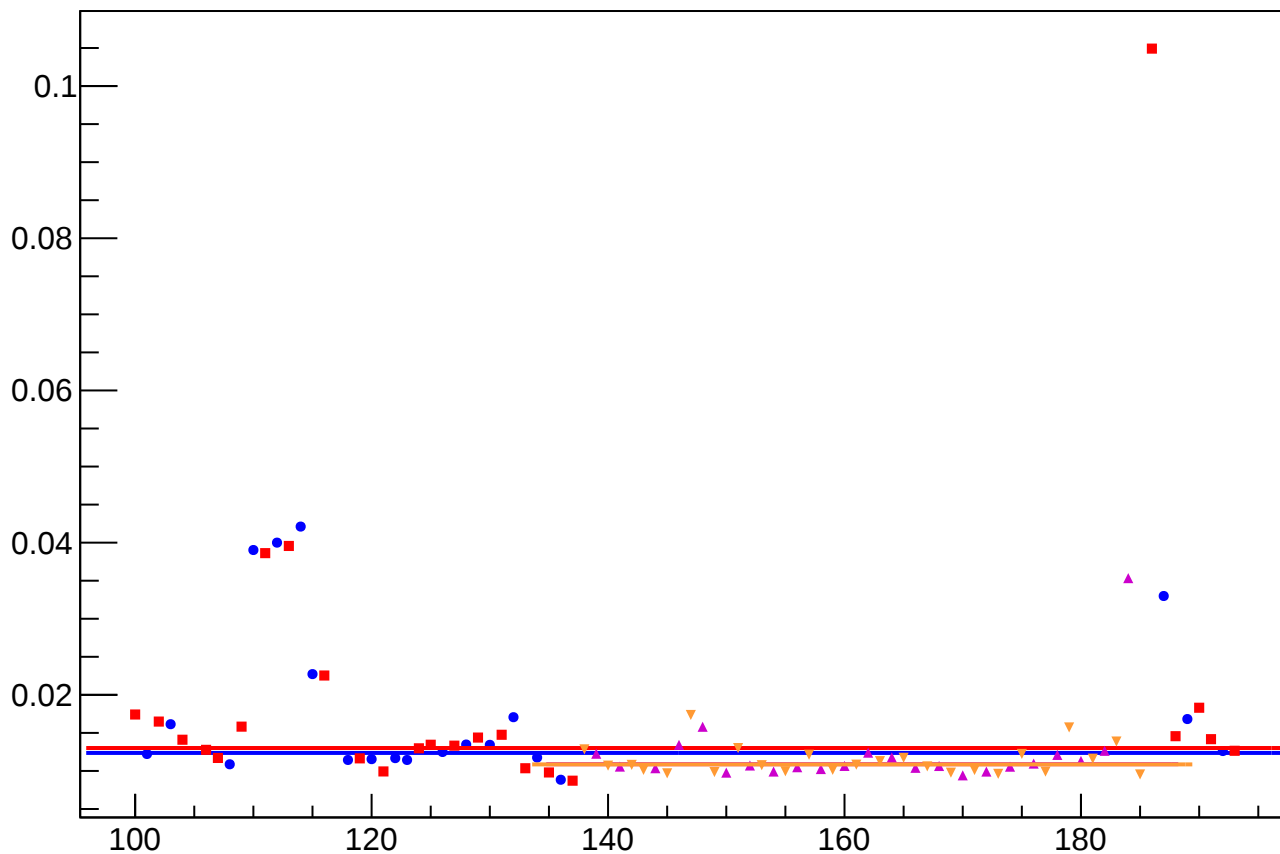
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58518655.0/22

+ sign 0.102 $\pm$ 0.000 χ^2 /NDF: 7263812979.8/44

All: 0.105 $\pm$ 0.000 χ^2 /NDF: 15482206818.4/9

- sign 0.108 $\pm$ 0.000 χ^2 /NDF: 8215613440.4/46

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1458189.5/19

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:604787.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1872296.0/23

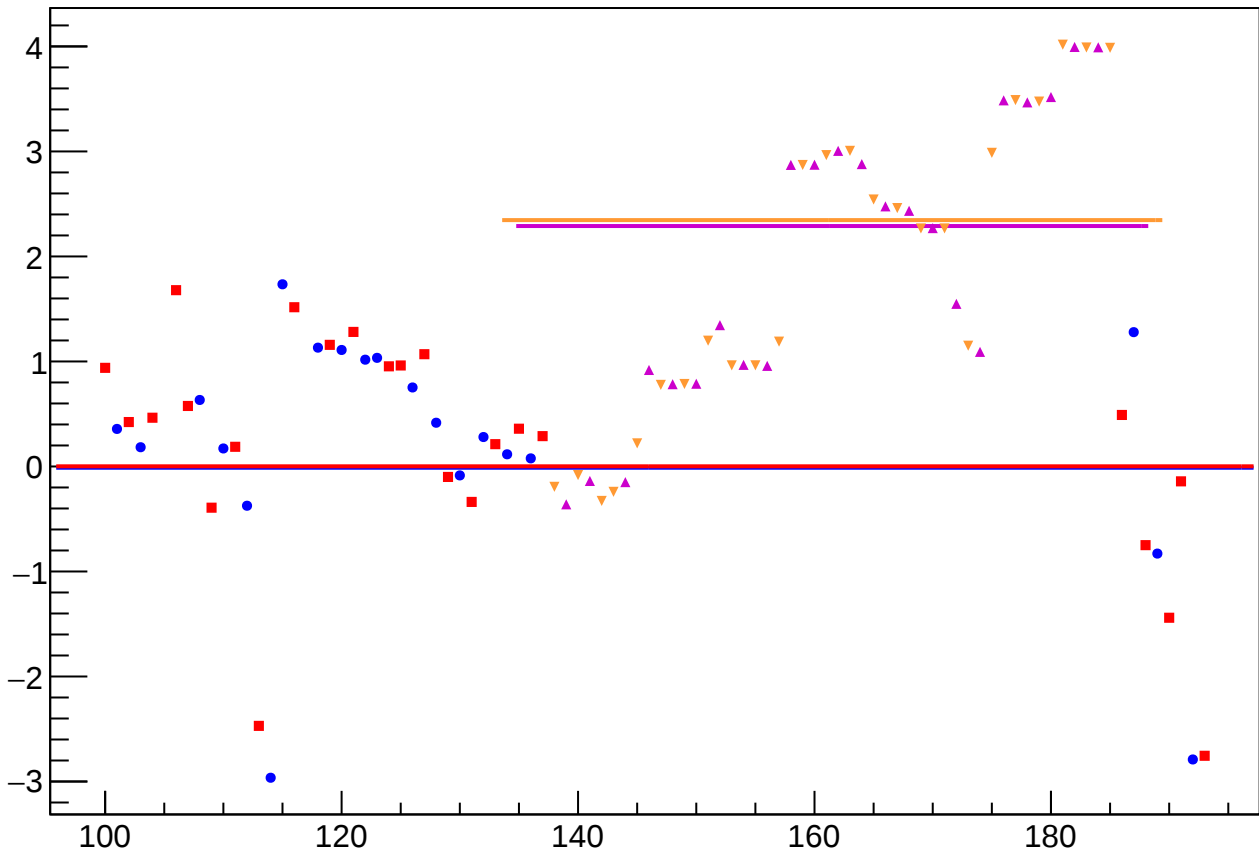
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:530077.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2221542.0/44

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4948742.6/91

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2718703.9/46

yield_bpm1X_mean vs Slug



Right In: -0.012 ± 0.000 $\chi^2/\text{NDF}: 2539832668.4/19$

Left Out: 2.346 ± 0.000 $\chi^2/\text{NDF}: 63481331015.4/24$

Right Out: 0.001 ± 0.000 $\chi^2/\text{NDF}: 3109298598.2/23$

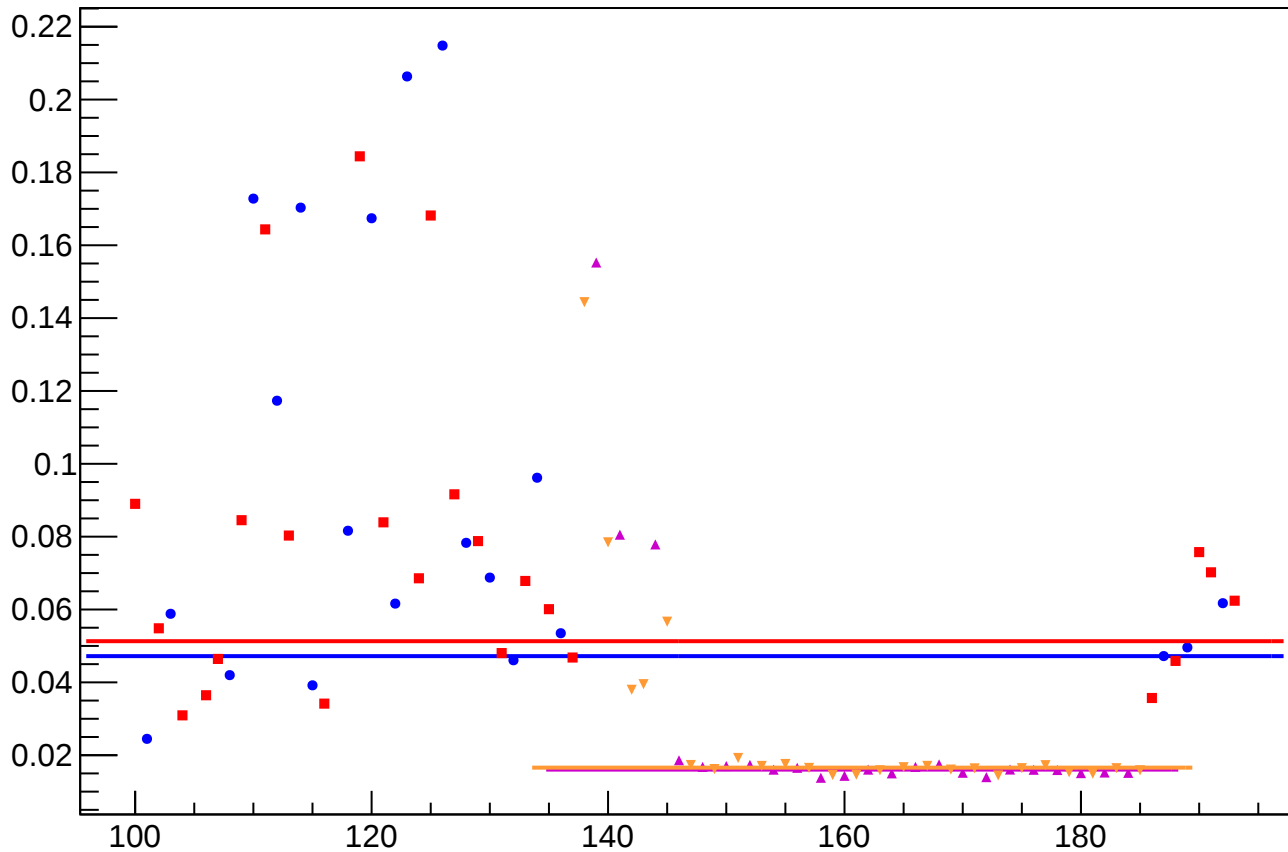
Left In: 2.290 ± 0.000 $\chi^2/\text{NDF}: 60875537647.3/22$

+ sign 2.248 ± 0.000 $\chi^2/\text{NDF}: 77800408594.0/44$

All: 2.217 ± 0.000 $\chi^2/\text{NDF}: 153987435743.9$

- sign 2.187 ± 0.000 $\chi^2/\text{NDF}: 76089028214.8/46$

yield_bpm1X_rms vs Slug



Right In: 0.047 $\pm$ 0.000 χ^2 /NDF: 2947330.3/19

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.051 $\pm$ 0.000 χ^2 /NDF: 2477628.2/23

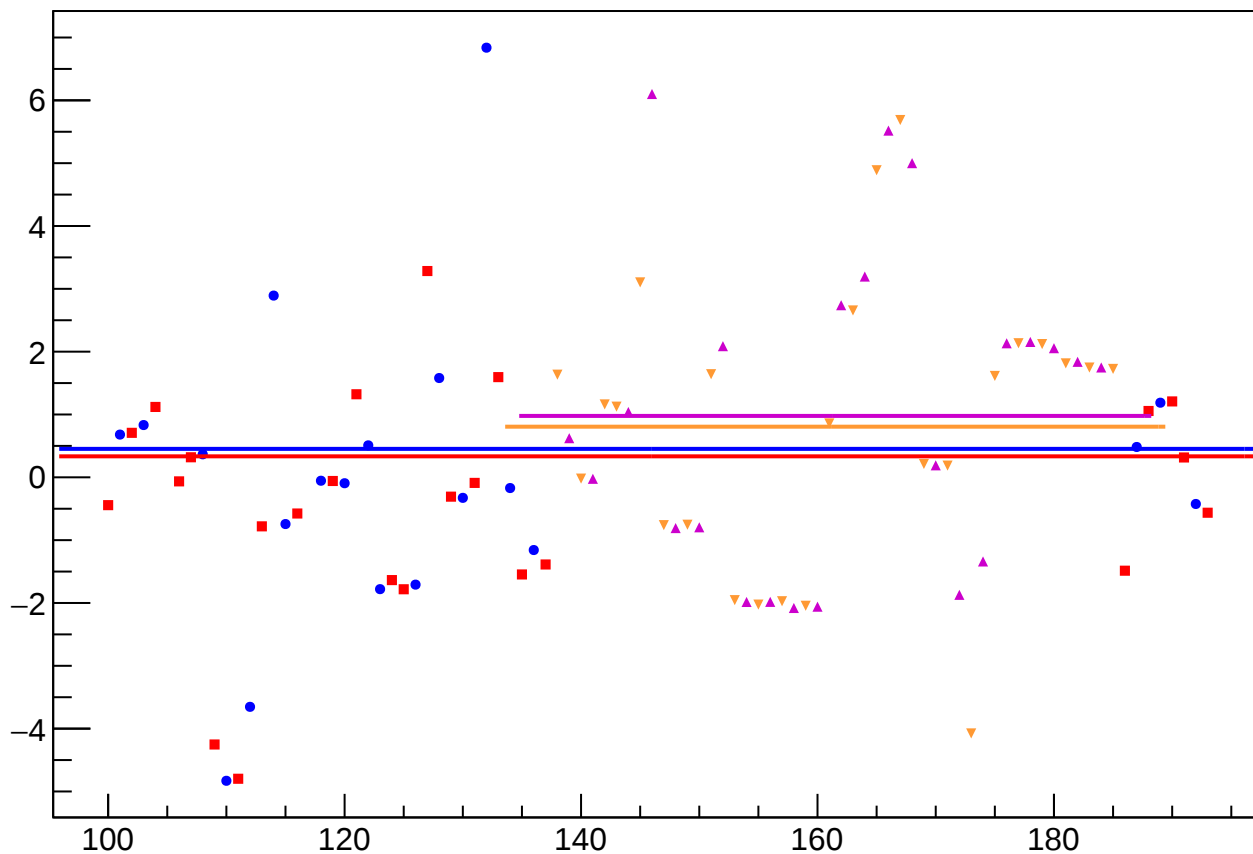
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 9539748.4/44

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 20162276.3/91

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 10619459.8/46

yield_bpm1Y_mean vs Slug



Right In: 0.453+/-0.000 χ^2/NDF : 13751127068.2/19

Left Out: 0.806+/-0.000 χ^2/NDF : 507578952196.2/24

Right Out: 0.334+/-0.000 χ^2/NDF : 7594242971.2/23

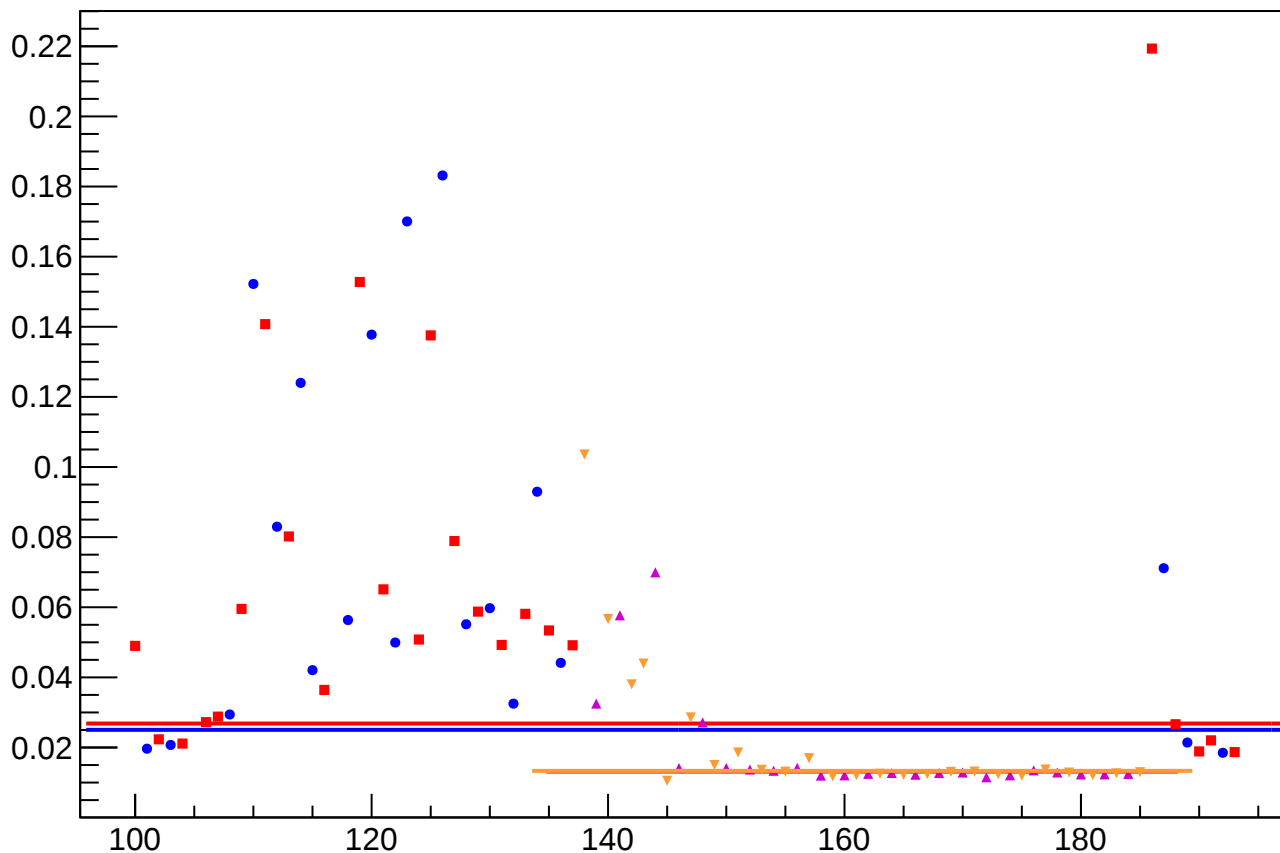
Left In: 0.977+/-0.000 χ^2/NDF : 568209676597.4/22

+ sign 0.779+/-0.000 χ^2/NDF : 522151833108.8/44

All: 0.852+/-0.000 χ^2/NDF : 1101816661196.

- sign 0.925+/-0.000 χ^2/NDF : 578676330068.0/46

yield_bpm1Y_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2 /NDF: 3525564.2/19

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829753.9/24

Right Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 4254578.0/23

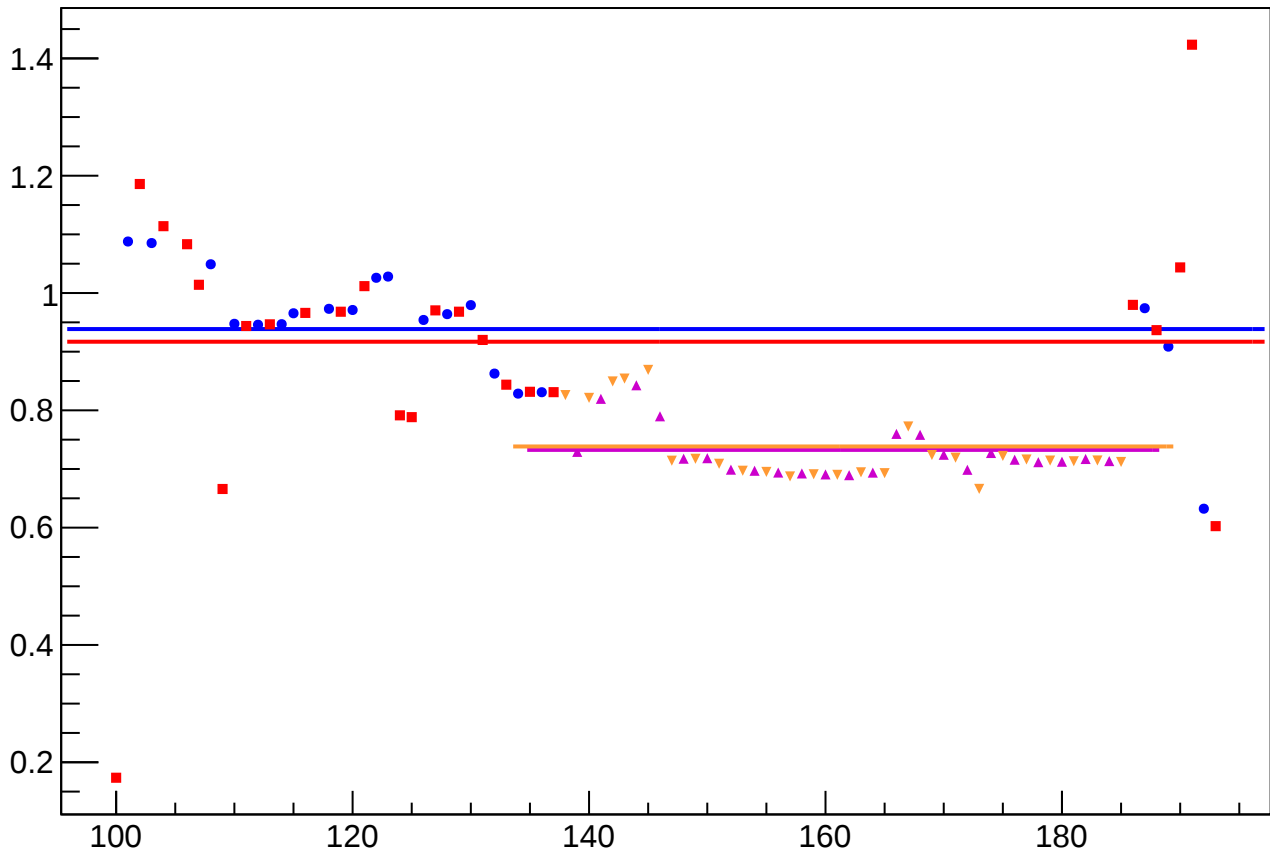
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1946693.6/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8160554.1/44

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 16965902.7/91

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8805344.7/46

yield_bpm11X_mean vs Slug



Right In: 0.939 $\pm$ 0.000 χ^2 /NDF: 299116426.0/19

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310195180.4/24

Right Out: 0.917 $\pm$ 0.000 χ^2 /NDF: 553424151.5/23

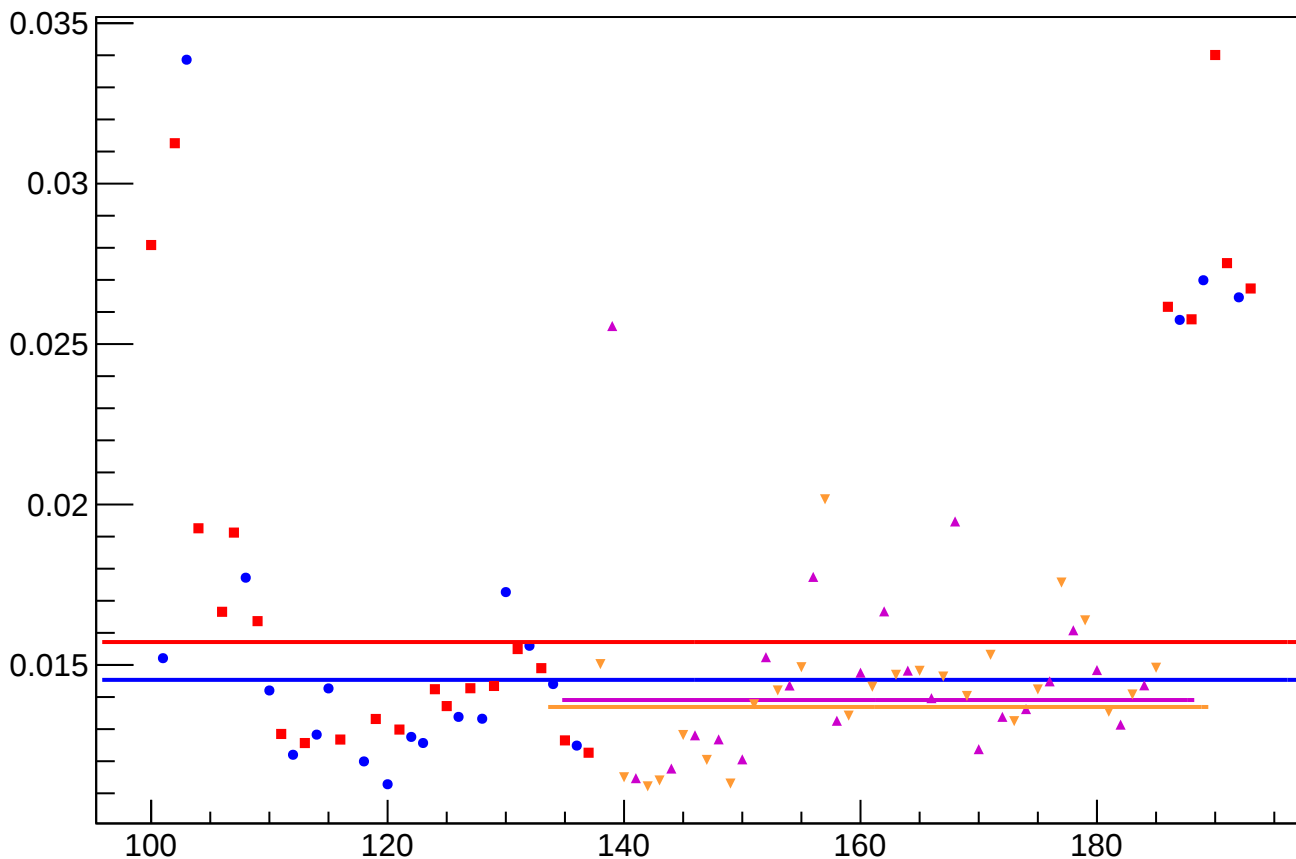
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:170102394.7/22

+ sign 0.794 $\pm$ 0.000 χ^2 /NDF: 1564438761.8/44

All: 0.790 $\pm$ 0.000 χ^2 /NDF: 3079124936.1/91

- sign 0.786 $\pm$ 0.000 χ^2 /NDF: 1511336318.0/46

yield_bpm11X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1196865.0/19

Left Out: 0.014+/-0.000 χ^2/NDF : 528480.6/24

Right Out: 0.016+/-0.000 χ^2/NDF : 1495362.6/23

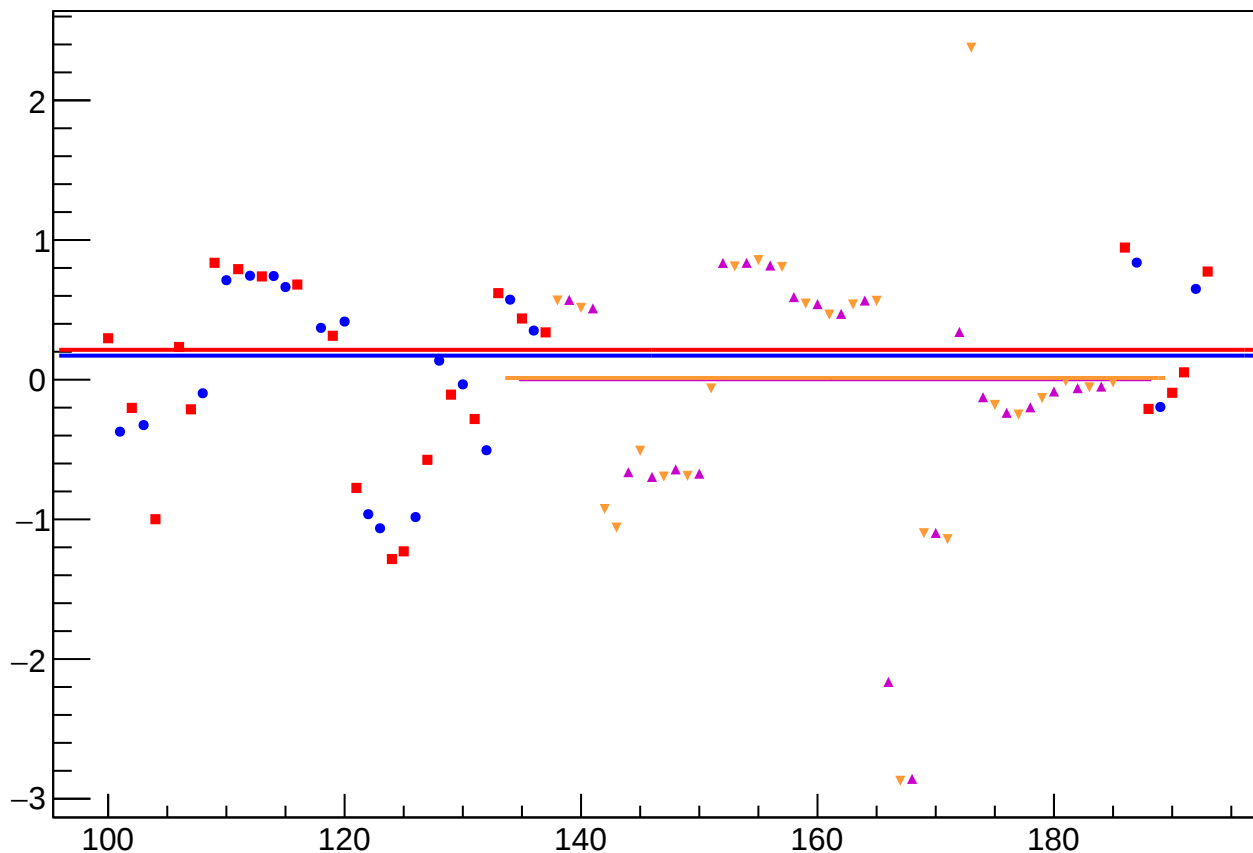
Left In: 0.014+/-0.000 χ^2/NDF : 768161.9/22

+ sign 0.014+/-0.000 χ^2/NDF : 1759381.6/44

All: 0.014+/-0.000 χ^2/NDF : 4203983.1/91

- sign 0.014+/-0.000 χ^2/NDF : 2414735.8/46

yield_bpm11Y_mean vs Slug



Right In: 0.172 $\pm$ 0.000 χ^2 /NDF: 9250542995.4/19

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 96383858927.1/24

Right Out: 0.214 $\pm$ 0.000 χ^2 /NDF: 15699704888.6/23

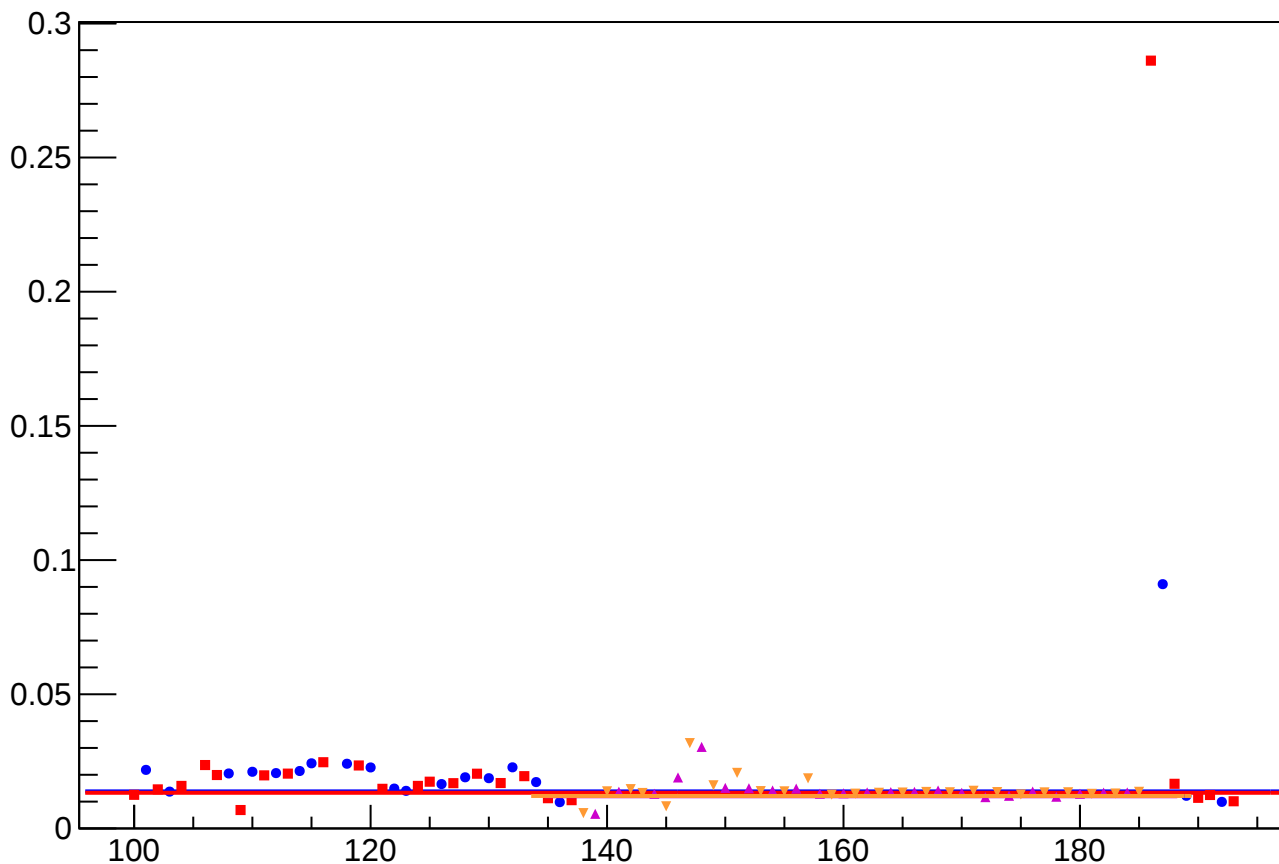
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 78826489573.0/22

+ sign 0.051 $\pm$ 0.000 χ^2 /NDF: 106316102568.4/44

All: 0.057 $\pm$ 0.000 χ^2 /NDF: 202173665683.9

- sign 0.063 $\pm$ 0.000 χ^2 /NDF: 95847660946.8/46

yield_bpm11Y_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1778830.9/19

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2424583.6/23

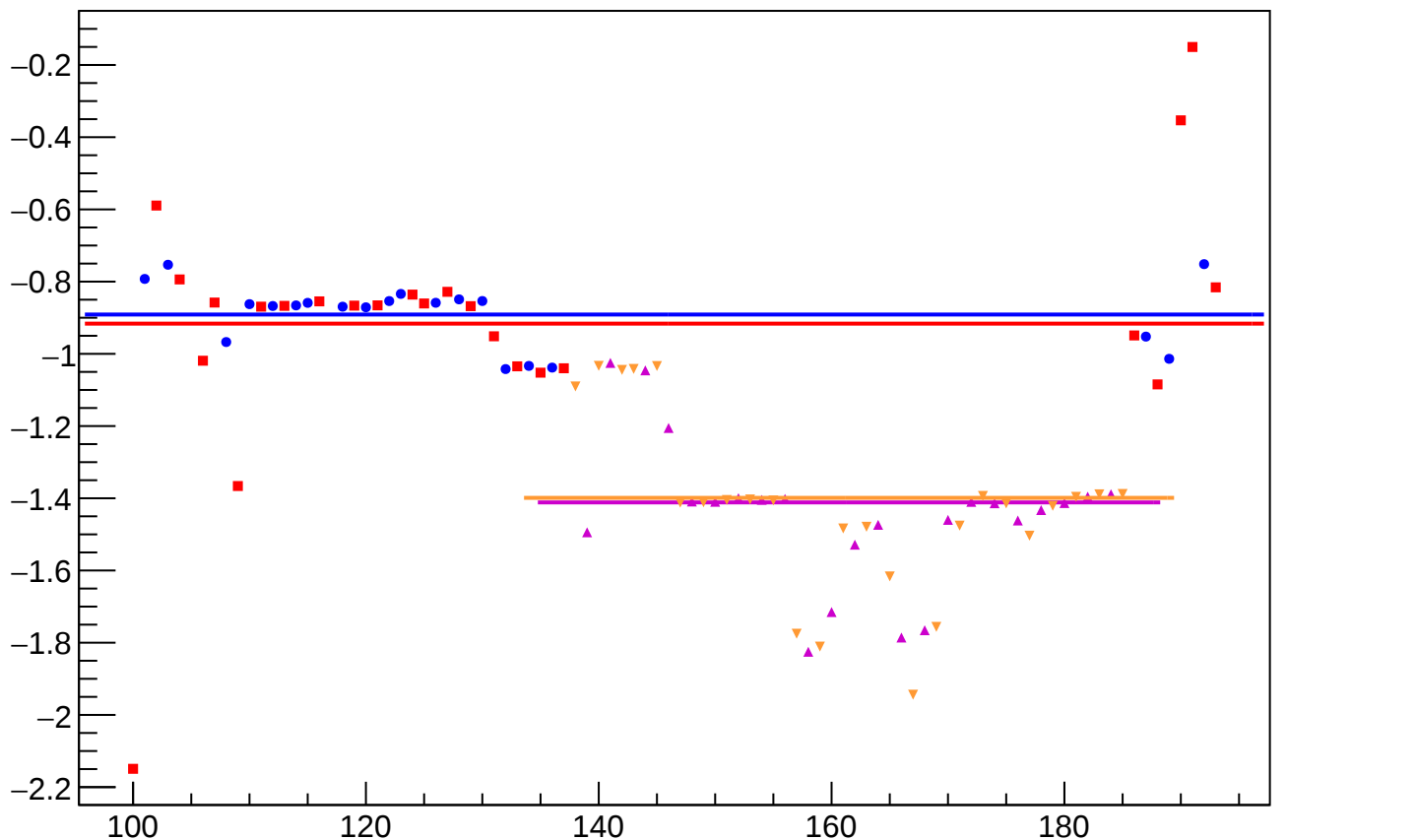
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 5039309.3/44

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10571075.1/91

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5528193.5/46

yield_bpm12X_mean vs Slug



Right In: -0.891 ± 0.000 $\chi^2/\text{NDF}: 45177284.3/19$

Left Out: -1.399 ± 0.000 $\chi^2/\text{NDF}: 738251911.1/24$

Right Out: -0.916 ± 0.000 $\chi^2/\text{NDF}: 187382370.4/23$

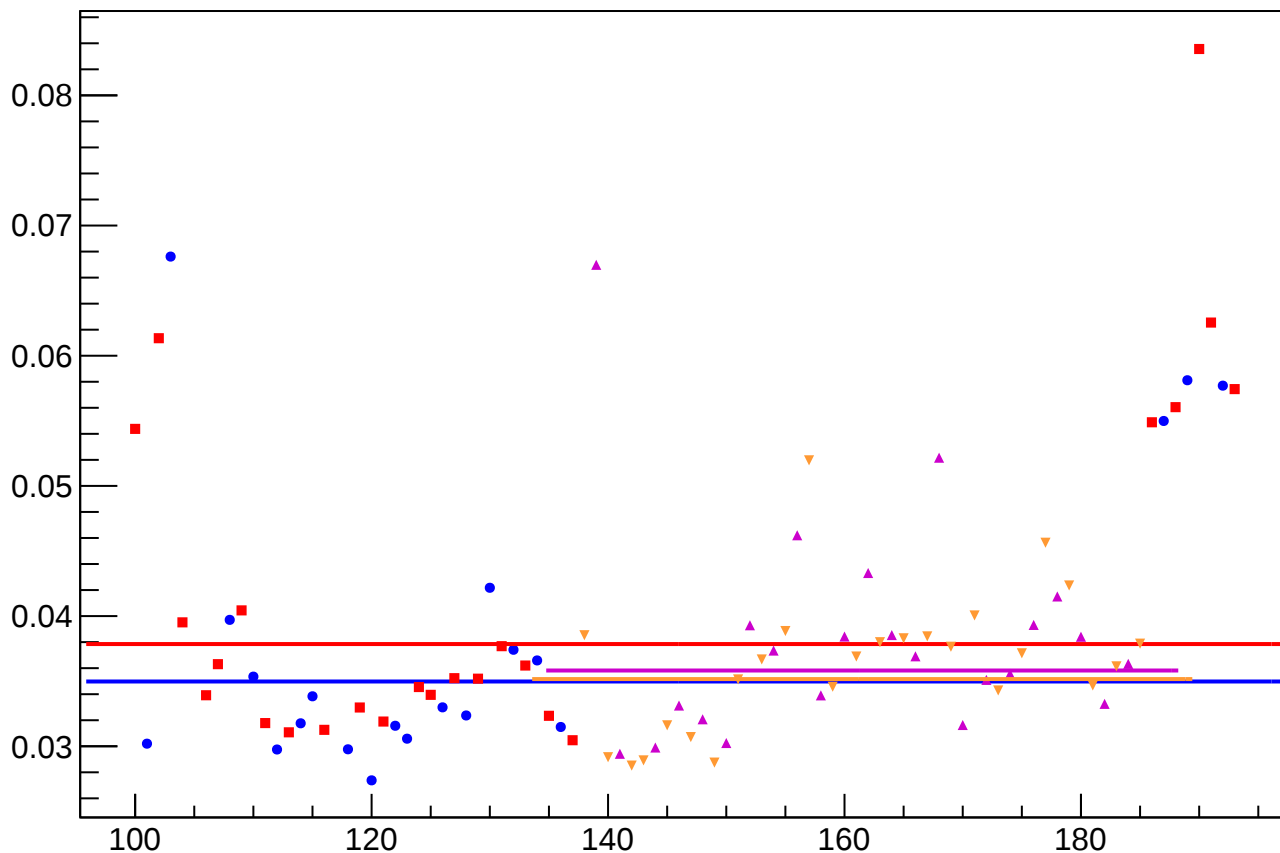
Left In: -1.411 ± 0.000 $\chi^2/\text{NDF}: 512547995.0/22$

+ sign -1.242 ± 0.000 $\chi^2/\text{NDF}: 1815509272.4/44$

All: -1.246 ± 0.000 $\chi^2/\text{NDF}: 3465851623.8/9$

- sign -1.250 ± 0.000 $\chi^2/\text{NDF}: 1649718521.5/46$

yield_bpm12X_rms vs Slug



Right In: 0.035 $\pm$ 0.000 χ^2 /NDF: 903225.0/19

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:595219.5/24

Right Out: 0.038 $\pm$ 0.000 χ^2 /NDF: 1045271.5/23

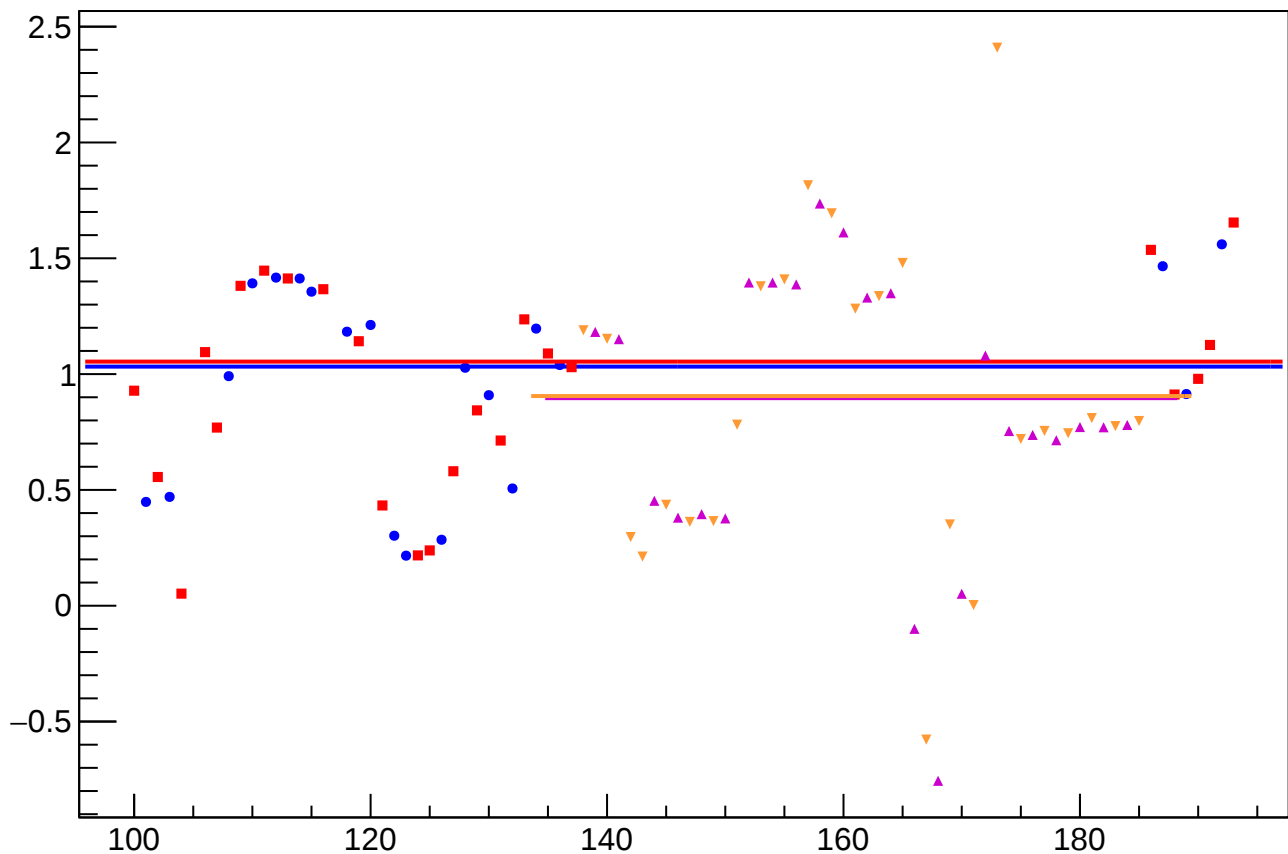
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:864147.6/22

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1498720.4/44

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 3474622.9/91

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 1941403.2/46

yield_bpm12Y_mean vs Slug



Right In: 1.032 $\pm$ 0.000 χ^2 /NDF: 12423900897.8/19

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF:84265726513.8/24

Right Out: 1.054 $\pm$ 0.000 χ^2 /NDF: 15590401183.3/23

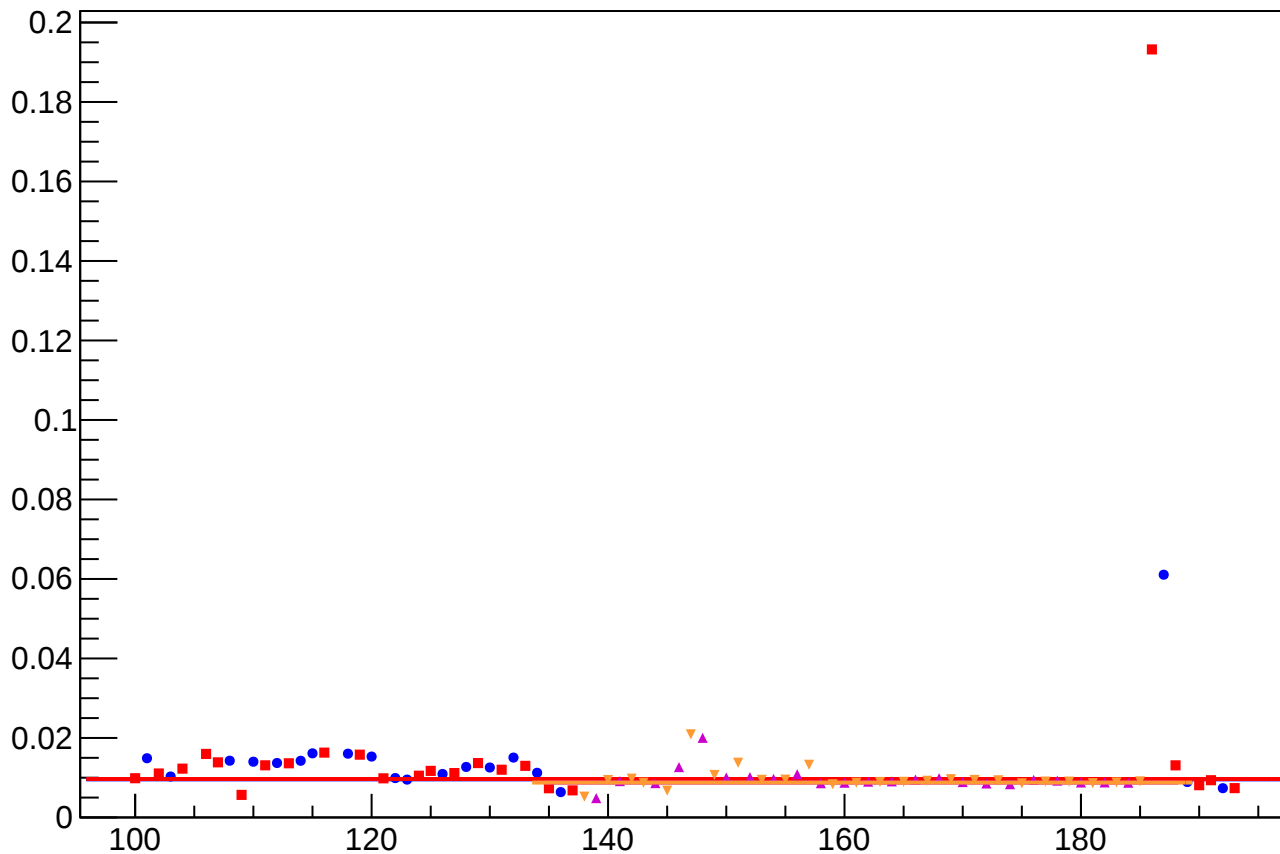
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF:66594200889.6/22

+ sign 0.937 $\pm$ 0.000 χ^2 /NDF: 97581165139.8/44

All: 0.939 $\pm$ 0.000 χ^2 /NDF: 181217698321.0

- sign 0.941 $\pm$ 0.000 χ^2 /NDF: 83634502178.1/46

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1651388.3/19

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1697568.1/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 2076389.7/23

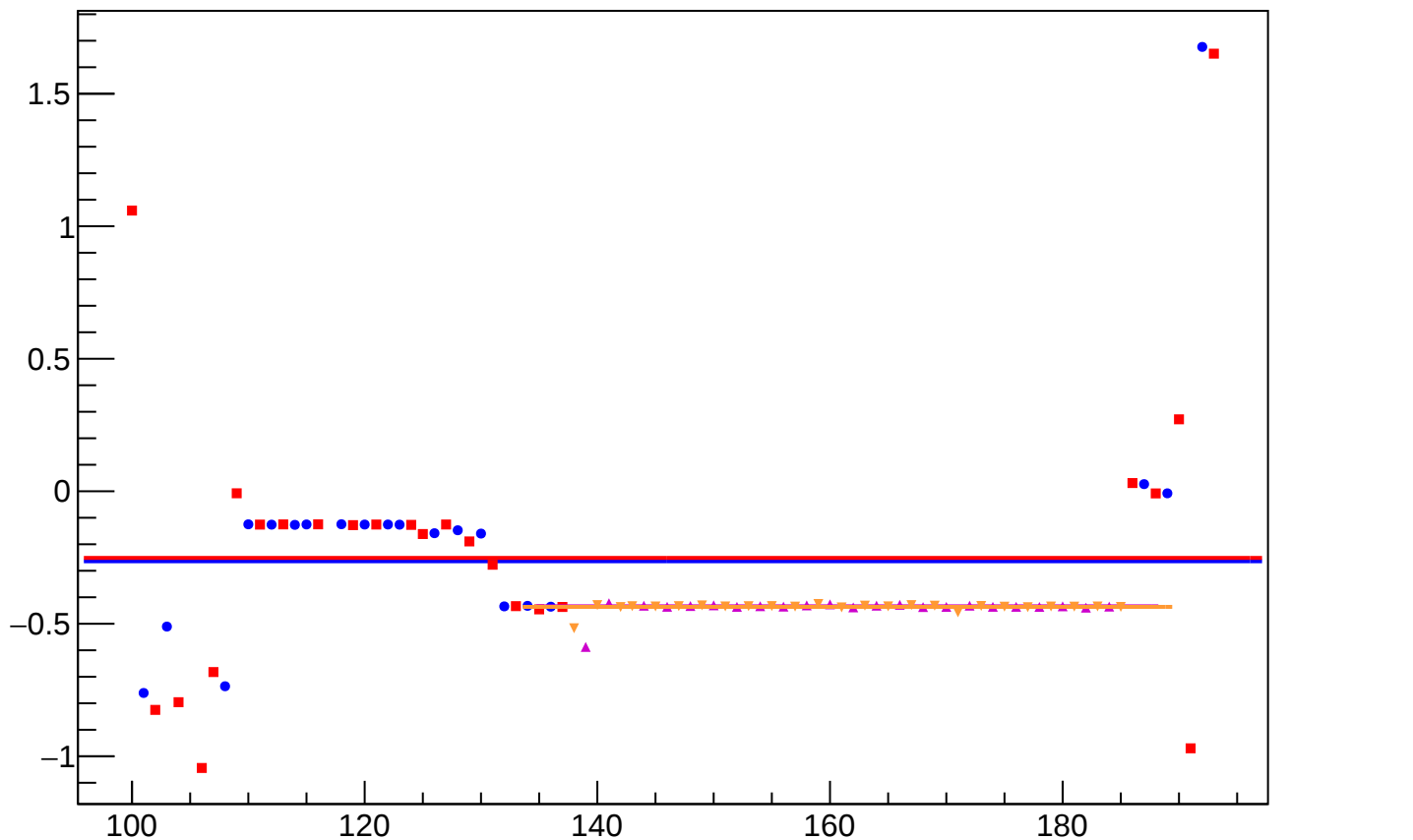
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3421247.2/44

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 7200775.9/91

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3778908.0/46

yield_bpm16X_mean vs Slug



Right In: -0.264 ± 0.000 χ^2/NDF : 1859749252.1/19

Left Out: -0.436 ± 0.000 χ^2/NDF : 28774660.0/24

+ sign -0.407 ± 0.000 χ^2/NDF : 2689646508.1/44

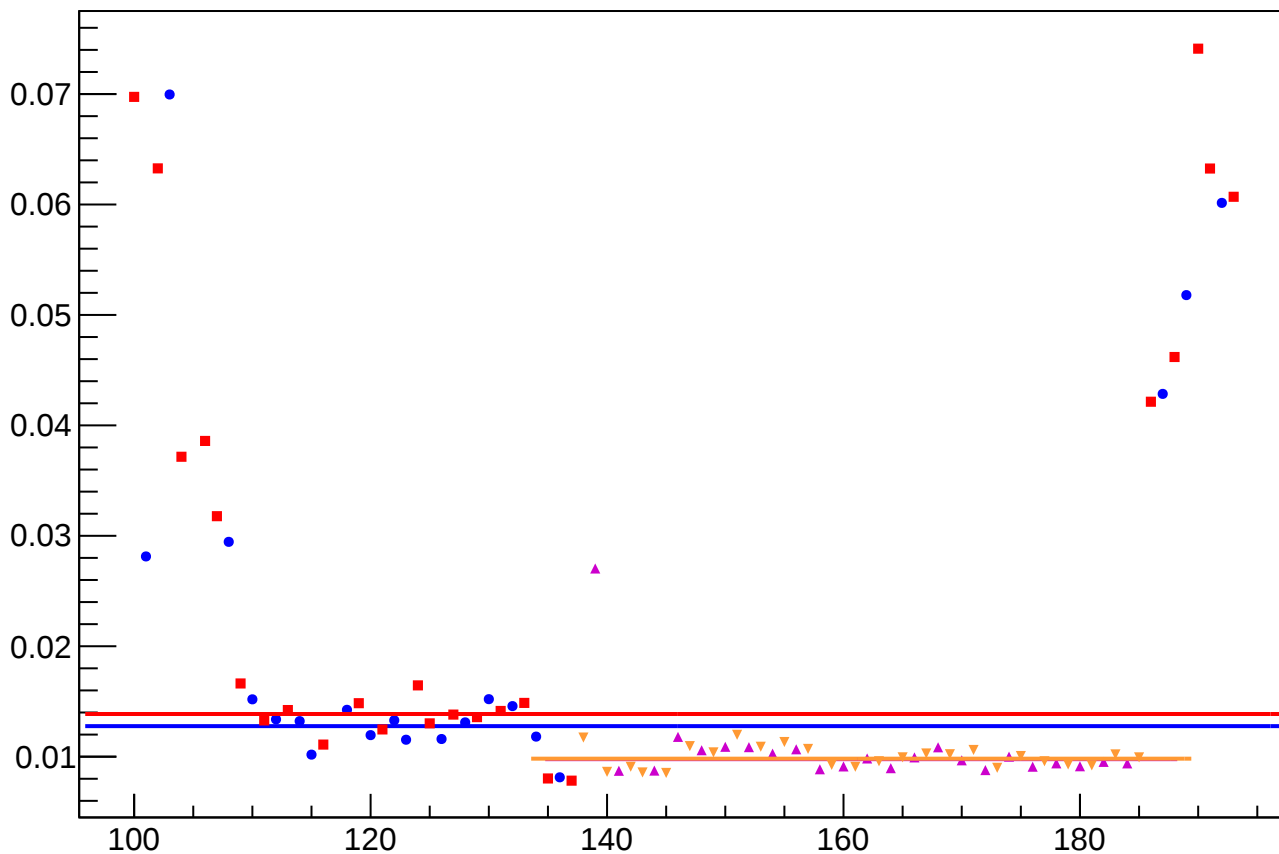
Right Out: -0.252 ± 0.000 χ^2/NDF : 1748258960.1/23

All: -0.405 ± 0.000 χ^2/NDF : 5314848165.1/9

- sign -0.403 ± 0.000 χ^2/NDF : 2623654395.1/46

Left In: -0.434 ± 0.000 χ^2/NDF : 23984173.0/22

yield_bpm16X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 3492676.1/19

Left Out: 0.010+/-0.000 χ^2/NDF : 269242.6/24

Right Out: 0.014+/-0.000 χ^2/NDF : 4748735.2/23

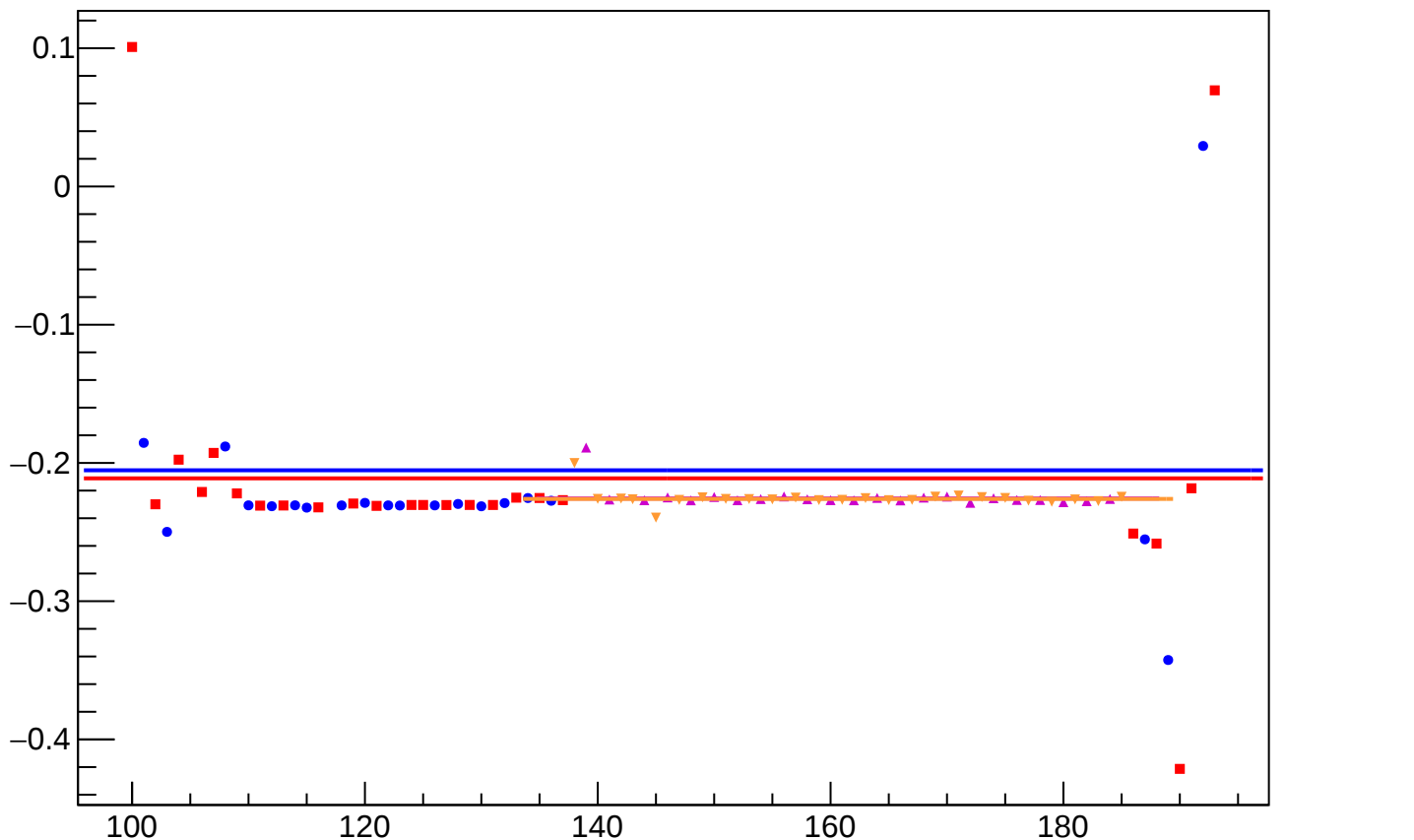
Left In: 0.010+/-0.000 χ^2/NDF : 747550.0/22

+ sign 0.010+/-0.000 χ^2/NDF : 4231485.3/44

All: 0.010+/-0.000 χ^2/NDF : 10586771.3/91

- sign 0.010+/-0.000 χ^2/NDF : 6351091.0/46

yield_bpm16Y_mean vs Slug



Right In: -0.205+/-0.000 χ^2/NDF : 1875660684.7/19

Left Out: -0.226+/-0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.211+/-0.000 χ^2/NDF : 2427299724.7/23

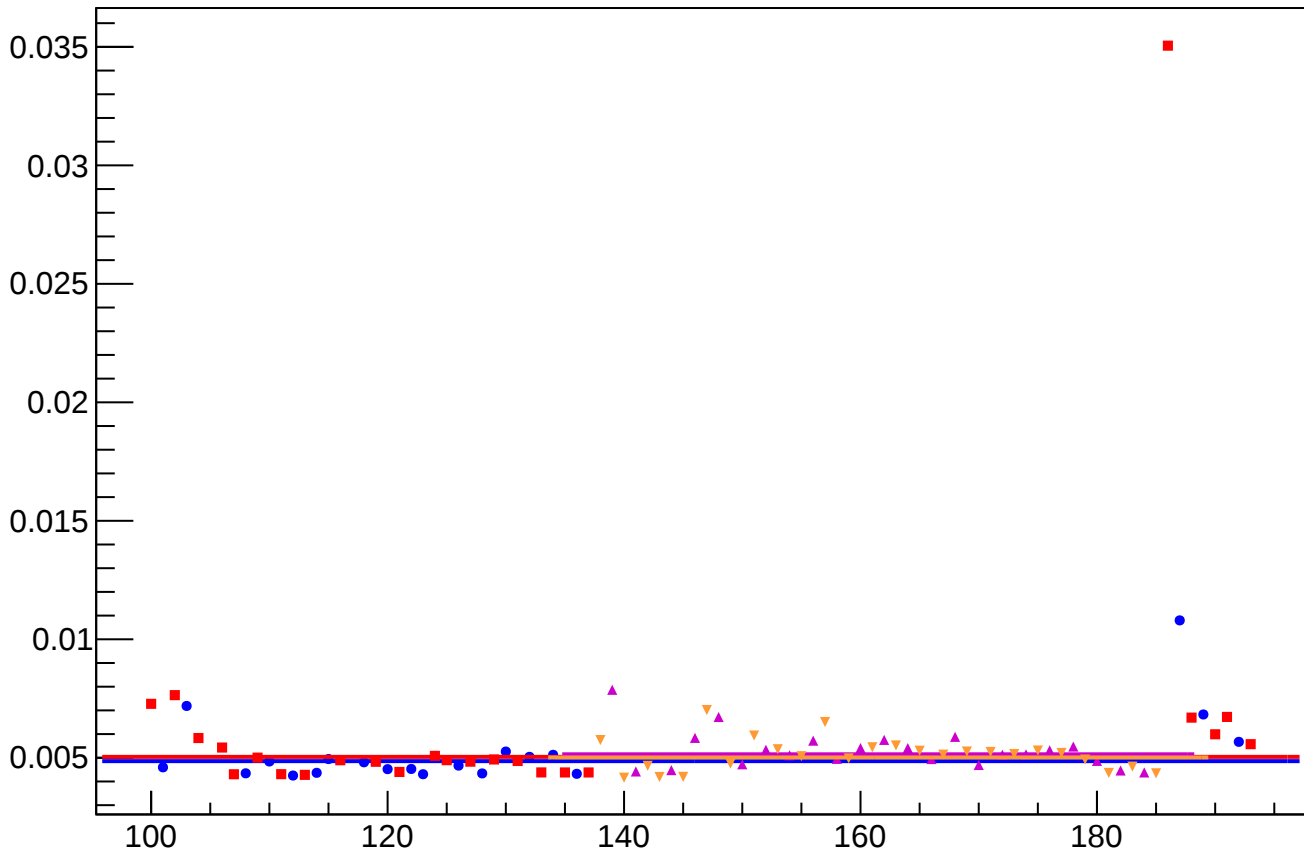
Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

+ sign -0.220+/-0.000 χ^2/NDF : 1989153062.1/44

All: -0.220+/-0.000 χ^2/NDF : 4478182648.6/9

- sign -0.221+/-0.000 χ^2/NDF : 2488469741.3/46

yield_bpm16Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 394133.5/19

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:530632.6/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 965885.1/23

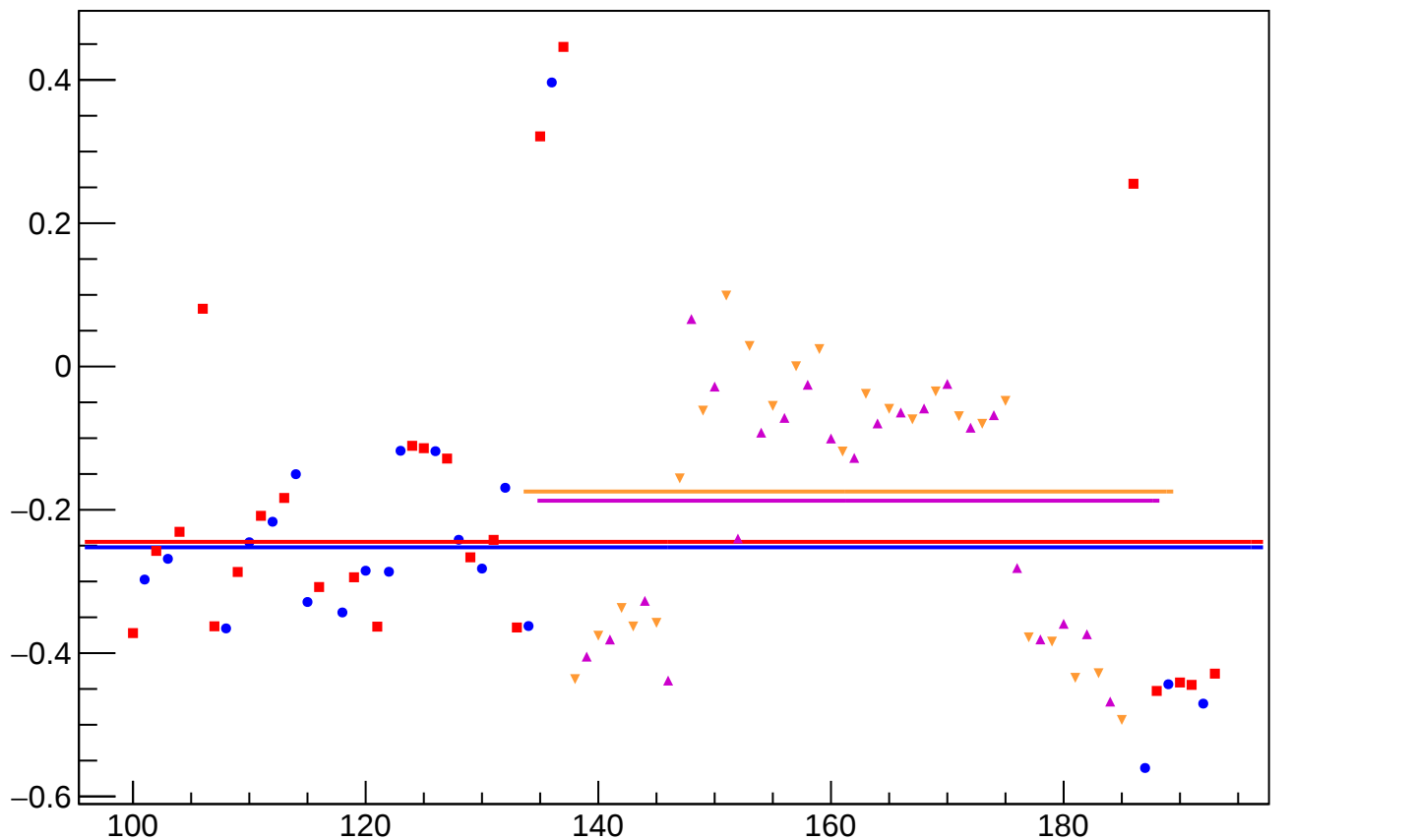
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:493107.7/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 935178.4/44

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 2419279.1/91

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1464005.5/46

yield_bpm0i02X_mean vs Slug



Right In: -0.252 ± 0.000 χ^2/NDF : 7956139675.2/19

Left Out: -0.174 ± 0.000 χ^2/NDF : 18025533236.1/24

Right Out: -0.245 ± 0.000 χ^2/NDF : 9063752543.6/23

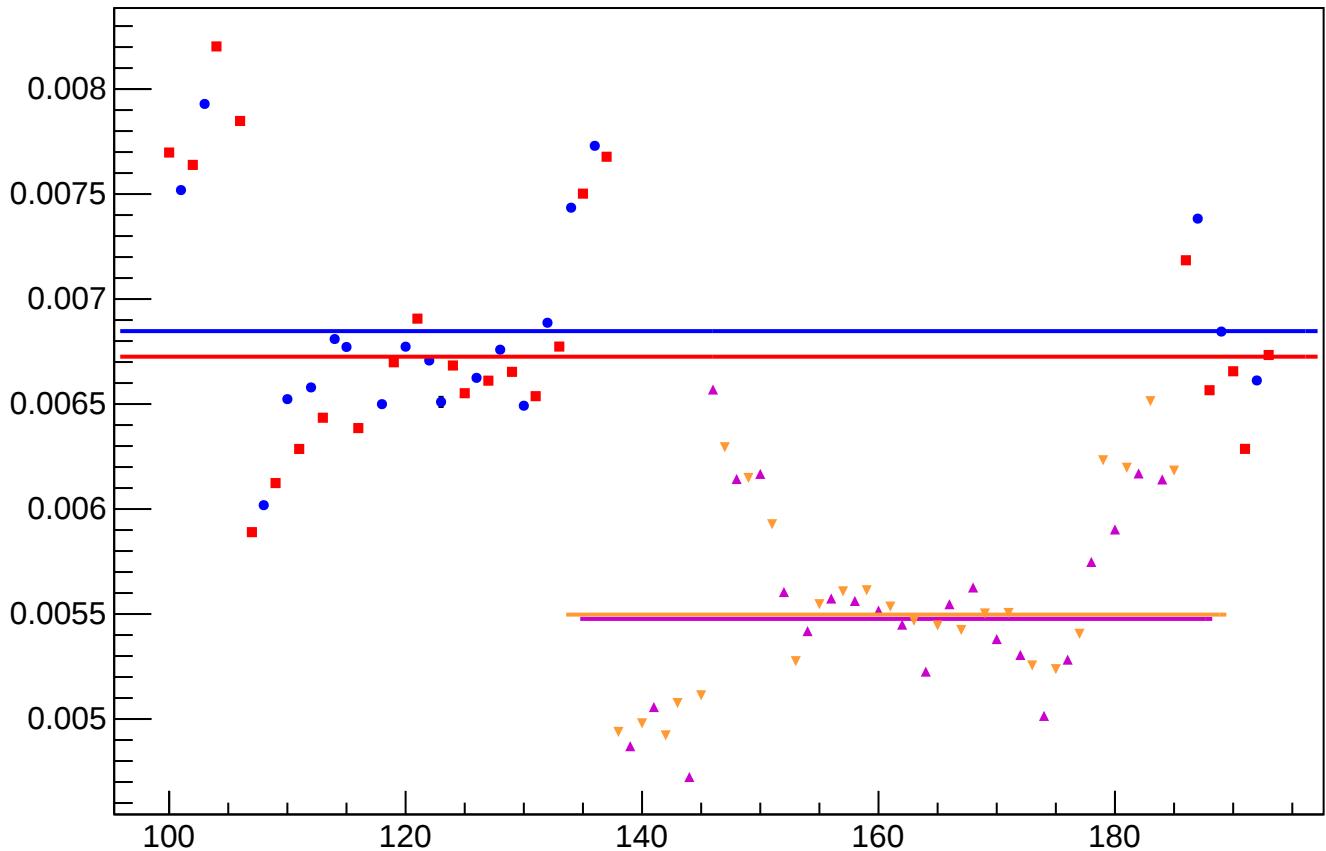
Left In: -0.187 ± 0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.192 ± 0.000 χ^2/NDF : 26784654233.4/44

All: -0.198 ± 0.000 χ^2/NDF : 49205334823.1/46

- sign -0.203 ± 0.000 χ^2/NDF : 22377158079.1/46

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 82682.5/19

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:198746.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 112239.7/23

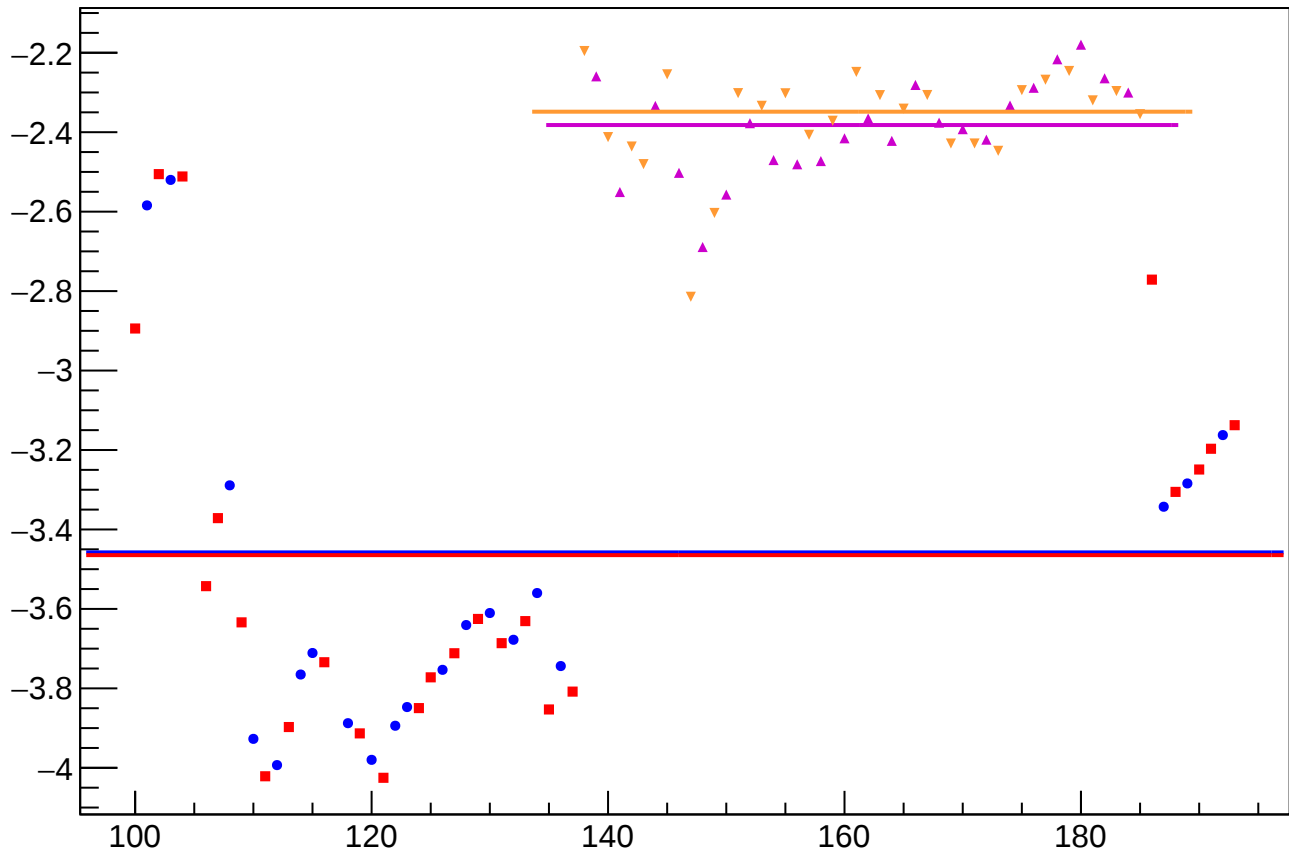
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:202181.4/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 764471.2/44

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1549097.9/91

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 784483.6/46

yield_bpm0i02Y_mean vs Slug



Right In: -3.458+/-0.000 χ^2/NDF : 27878373977.6/19

Left Out: -2.348+/-0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.465+/-0.000 χ^2/NDF : 29068896724.9/23

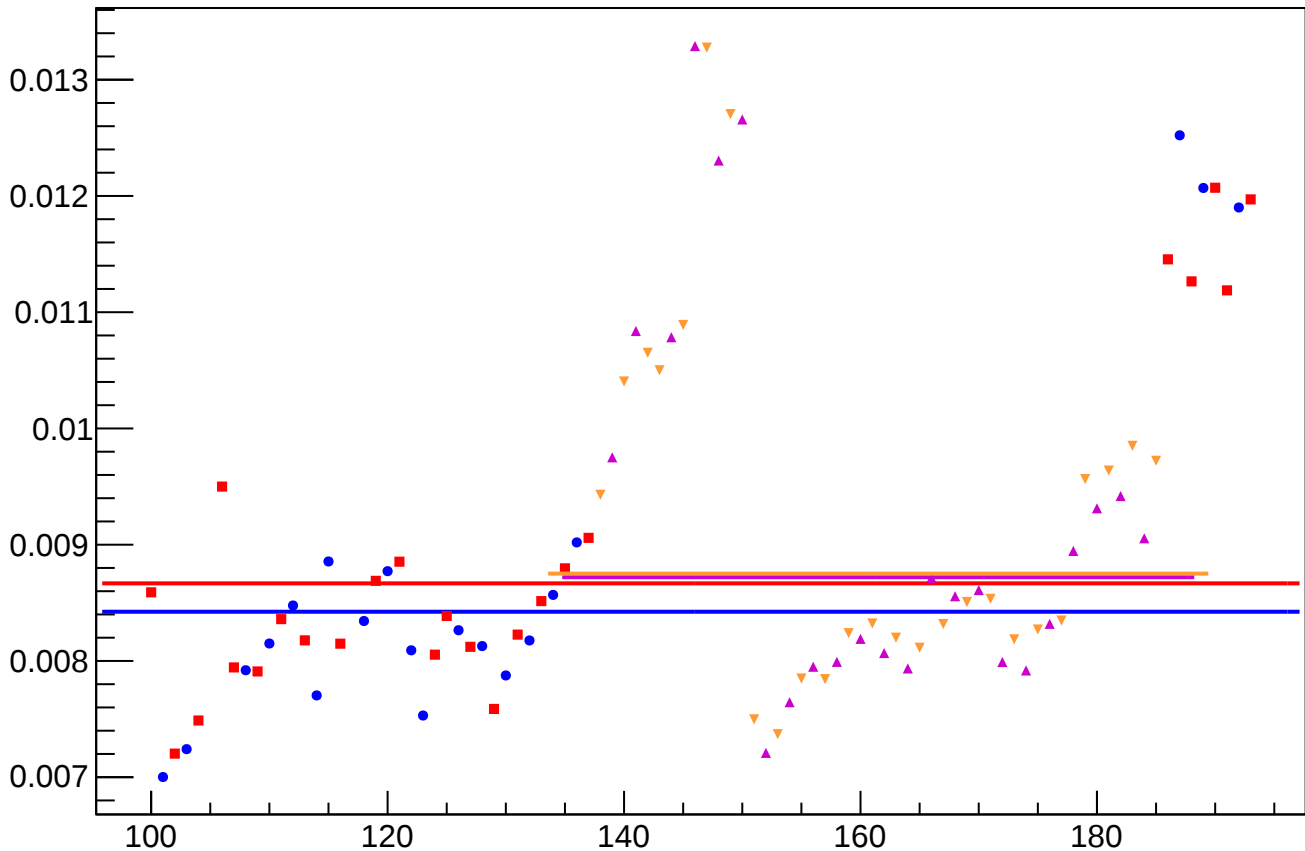
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.714+/-0.000 χ^2/NDF : 121251763142.0/44

All: -2.744+/-0.000 χ^2/NDF : 243815316727.5

- sign -2.774+/-0.000 χ^2/NDF : 121957735224.8/46

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 369928.1/19

Left Out: 0.009+/-0.000 χ^2/NDF : 663672.8/24

Right Out: 0.009+/-0.000 χ^2/NDF : 440431.0/23

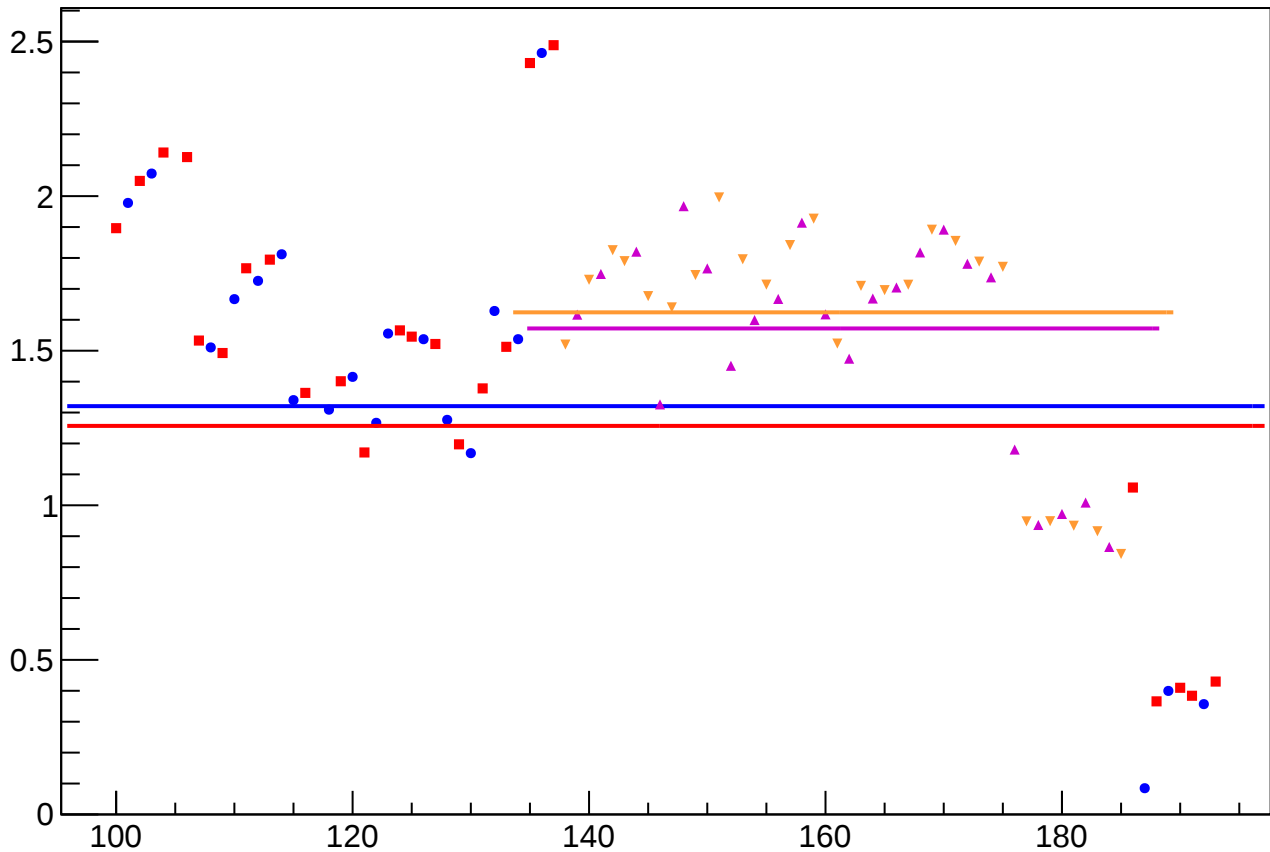
Left In: 0.009+/-0.000 χ^2/NDF : 747867.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 1049547.3/44

All: 0.009+/-0.000 χ^2/NDF : 2239405.0/91

- sign 0.009+/-0.000 χ^2/NDF : 1188731.3/46

yield_bpm0i02aX_mean vs Slug



Right In: 1.321+/-0.000 χ^2/NDF : 24429412728.5/19

Left Out: 1.624+/-0.000 χ^2/NDF : 16631112386.4/24

Right Out: 1.257+/-0.000 χ^2/NDF : 28518348756.6/23

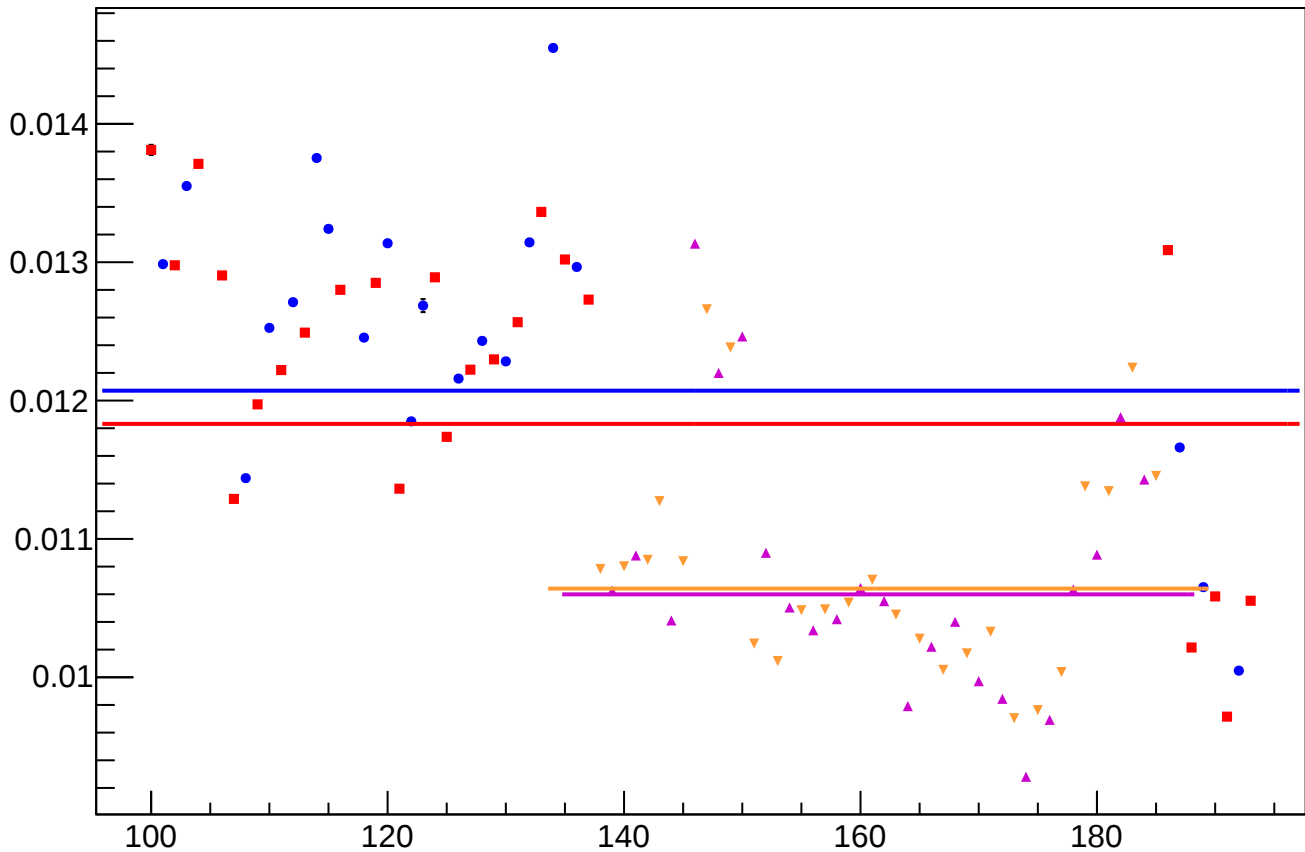
Left In: 1.572+/-0.000 χ^2/NDF : 14230484809.4/22

+ sign 1.545+/-0.000 χ^2/NDF : 44795101490.7/44

All: 1.509+/-0.000 χ^2/NDF : 92643412515.0/9

- sign 1.474+/-0.000 χ^2/NDF : 47309706513.2/46

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 150621.9/19

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 179715.3/23

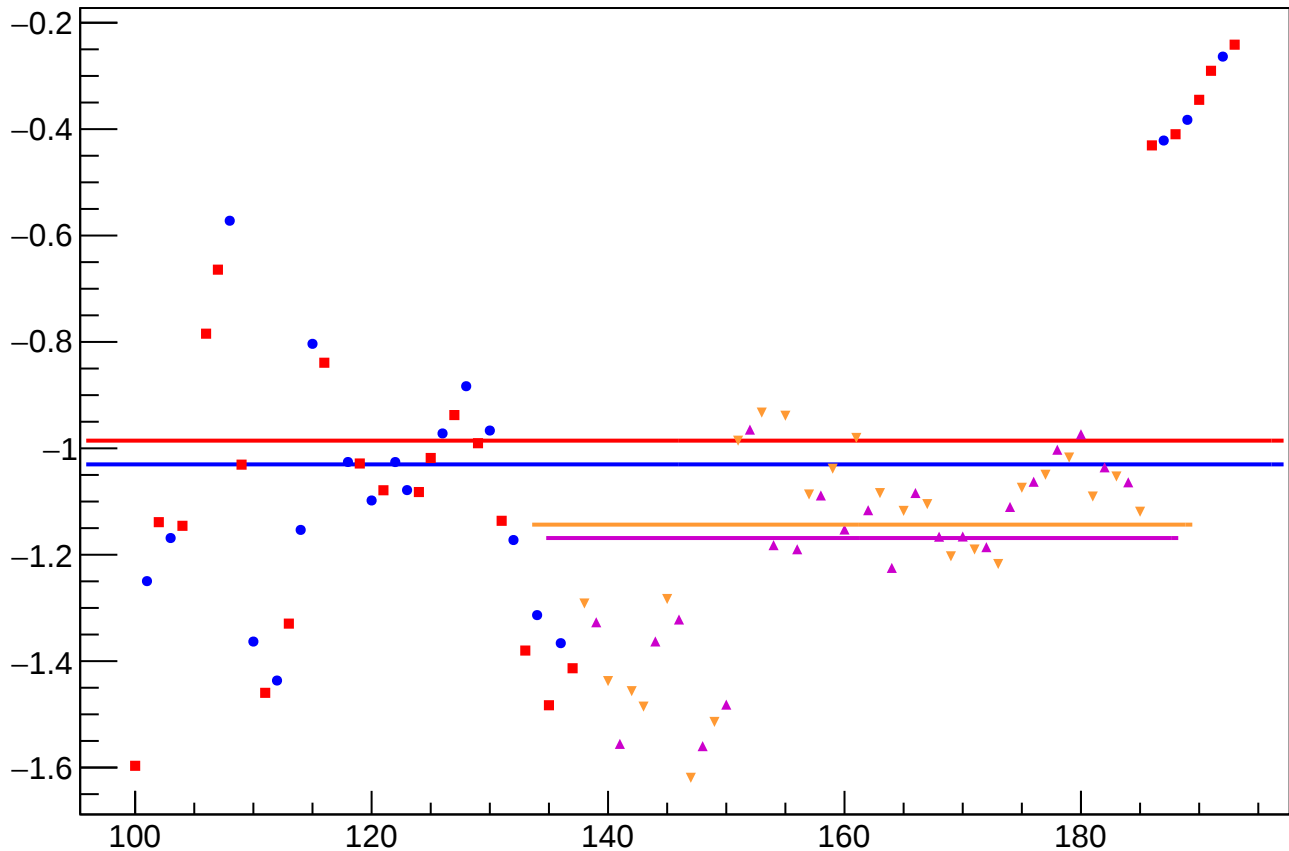
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 476451.0/44

All: 0.011 $\pm$ 0.000 χ^2/NDF : 1000376.7/91

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 523725.3/46

yield_bpm0i02aY_mean vs Slug



Right In: -1.030+/-0.000 χ^2/NDF : 10067525370.9/19

Left Out: -1.143+/-0.000 χ^2/NDF : 7976364534.0/24

Right Out: -0.986+/-0.000 χ^2/NDF : 13718081764.6/23

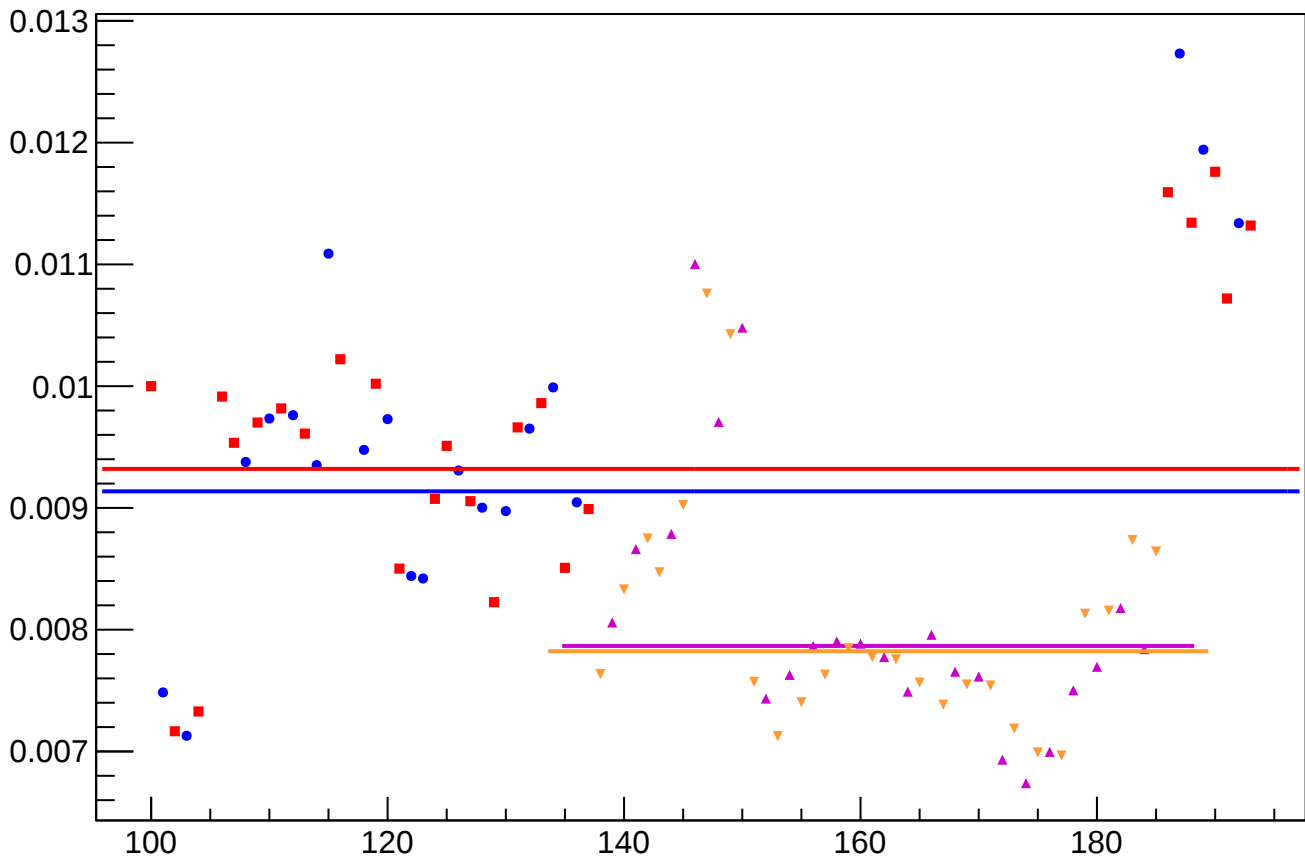
Left In: -1.169+/-0.000 χ^2/NDF : 6362643368.6/22

+ sign -1.115+/-0.000 χ^2/NDF : 18939780173.9/44

All: -1.116+/-0.000 χ^2/NDF : 41512959871.4/45

- sign -1.117+/-0.000 χ^2/NDF : 22572752992.4/46

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 312142.6/19

Left Out: 0.008+/-0.000 χ^2/NDF :336387.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 376040.0/23

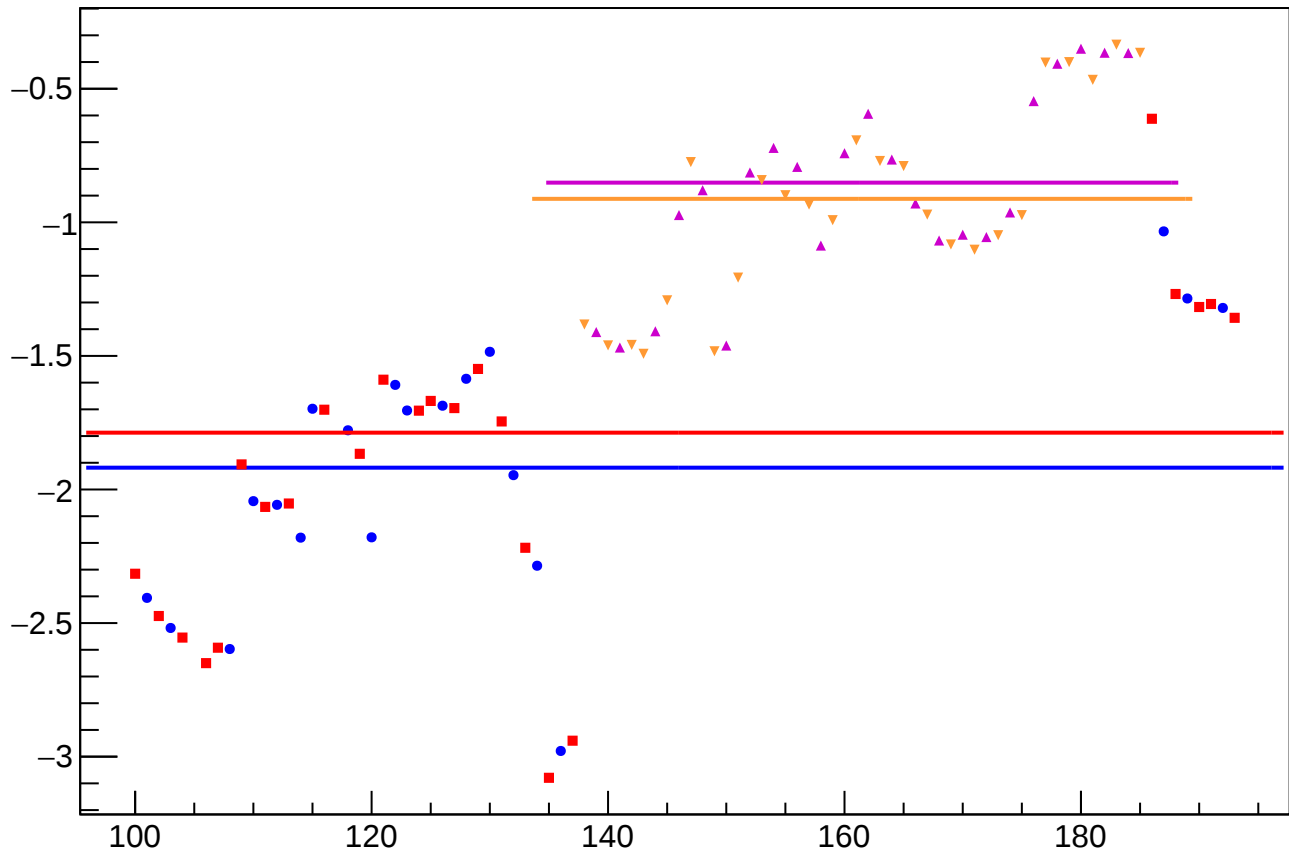
Left In: 0.008+/-0.000 χ^2/NDF :379901.3/22

+ sign 0.008+/-0.000 χ^2/NDF : 889447.9/44

All: 0.008+/-0.000 χ^2/NDF : 1965741.2/91

- sign 0.008+/-0.000 χ^2/NDF : 1070203.9/46

yield_bpm0i05X_mean vs Slug



Right In: -1.918 ± 0.000 $\chi^2/\text{NDF}: 47778418577.0/19$

Left Out: -0.912 ± 0.000 $\chi^2/\text{NDF}: 49039425818.1/24$

Right Out: -1.787 ± 0.000 $\chi^2/\text{NDF}: 73928938090.5/23$

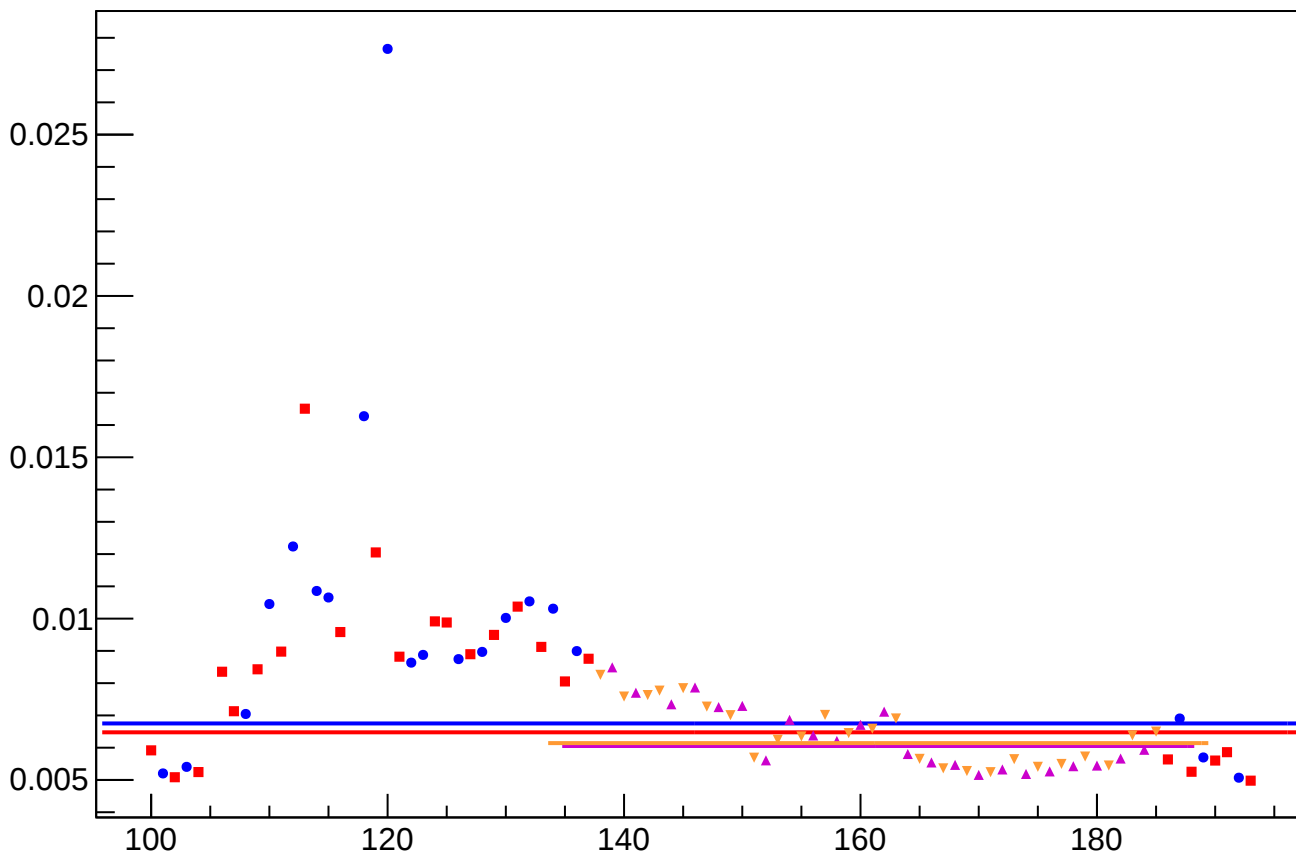
Left In: -0.851 ± 0.000 $\chi^2/\text{NDF}: 46438446008.2/22$

+ sign -1.150 ± 0.000 $\chi^2/\text{NDF}: 203382028607.4/44$

All: -1.140 ± 0.000 $\chi^2/\text{NDF}: 437841953042.6$

- sign -1.132 ± 0.000 $\chi^2/\text{NDF}: 234357650959.3/46$

yield_bpm0i05X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 1546850.6/19

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:637765.4/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1382924.0/23

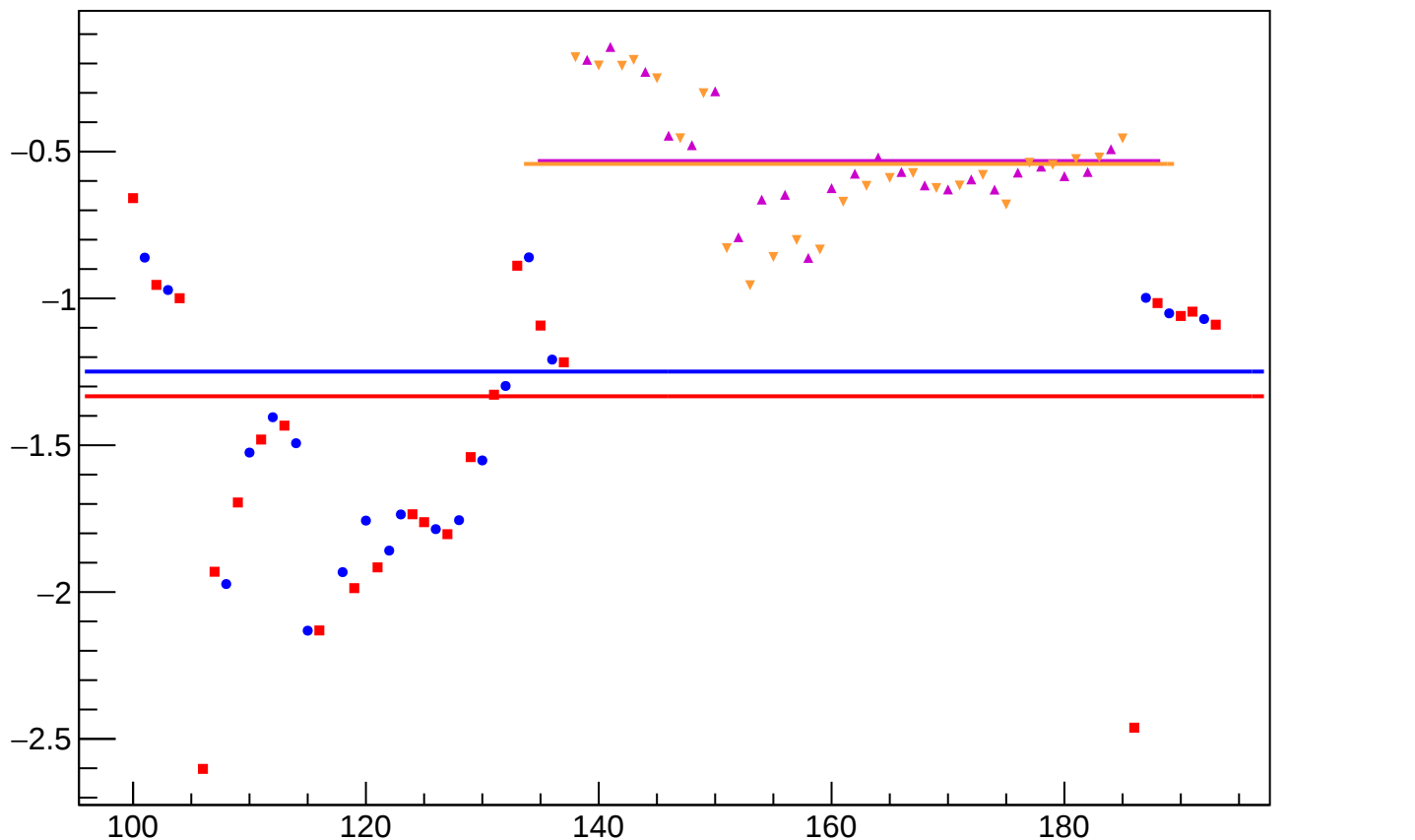
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:697577.8/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2262781.2/44

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4396900.9/91

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2127264.0/46

yield_bpm0i05Y_mean vs Slug



Right In: -1.249 ± 0.000 χ^2/NDF : 25305079322.4/19

Left Out: -0.542 ± 0.000 χ^2/NDF : 47268284910.3/24

Right Out: -1.333 ± 0.000 χ^2/NDF : 73999469287.4/23

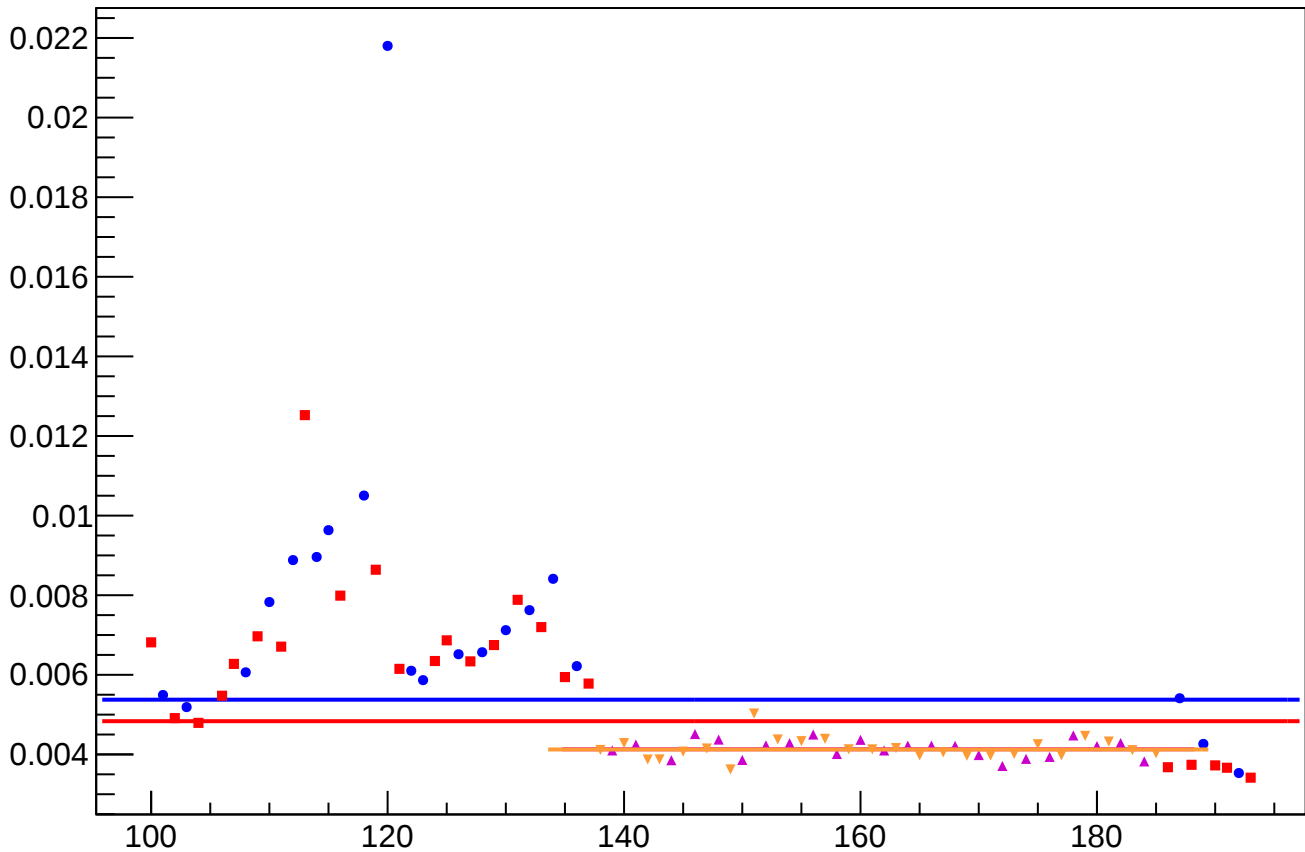
Left In: -0.532 ± 0.000 χ^2/NDF : 30715235426.8/22

+ sign -0.670 ± 0.000 χ^2/NDF : 162515429888.1/44

All: -0.705 ± 0.000 χ^2/NDF : 424840157669.9

- sign -0.738 ± 0.000 χ^2/NDF : 259440601327.7/46

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1371466.8/19

Left Out: 0.004+/-0.000 χ^2/NDF :113033.9/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1511330.0/23

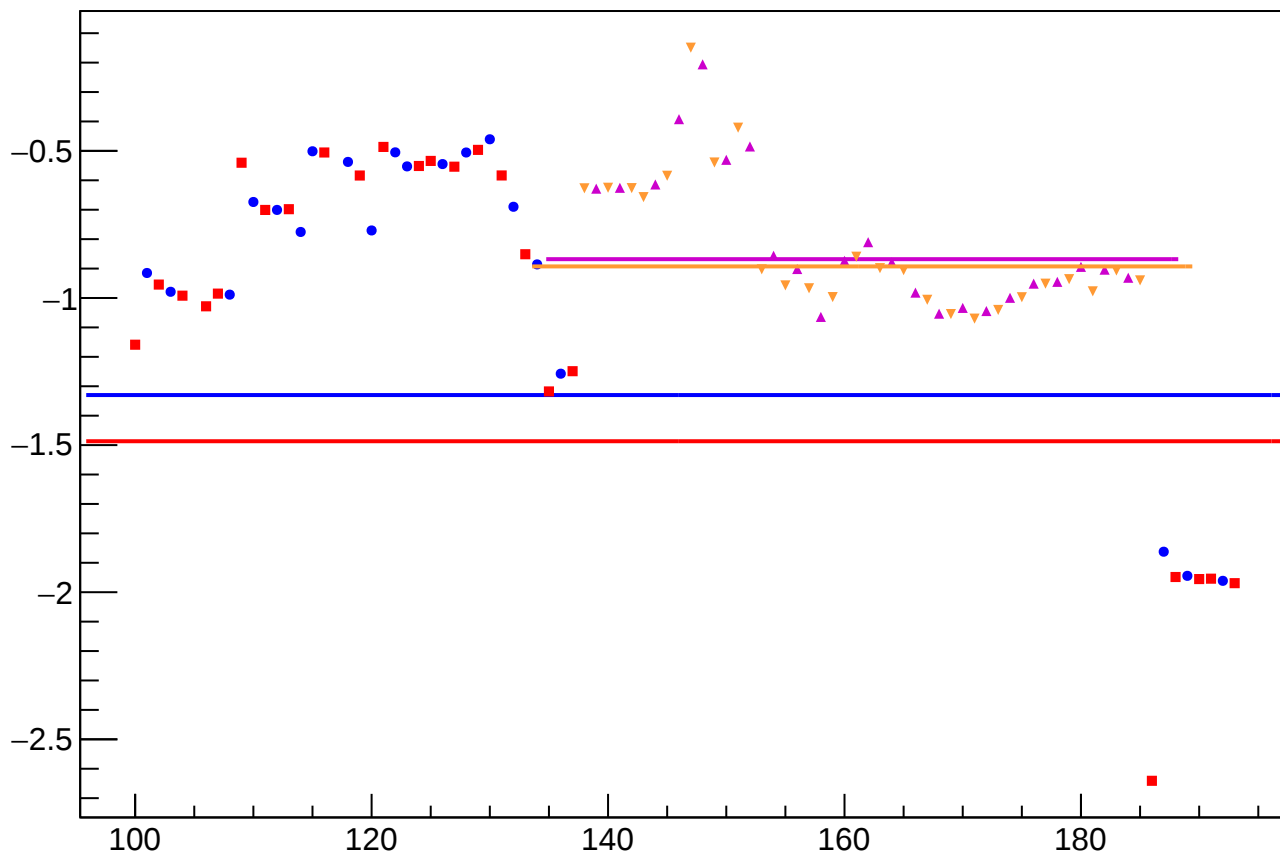
Left In: 0.004+/-0.000 χ^2/NDF :93111.2/22

+ sign 0.004+/-0.000 χ^2/NDF : 2047366.0/44

All: 0.004+/-0.000 χ^2/NDF : 3893663.8/91

- sign 0.004+/-0.000 χ^2/NDF : 1844326.1/46

yield_bpm0i07X_mean vs Slug



Right In: -1.330+/-0.000 χ^2/NDF : 128239864584.2/19

Left Out: -0.893+/-0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.487+/-0.000 χ^2/NDF : 214731295698.5/23

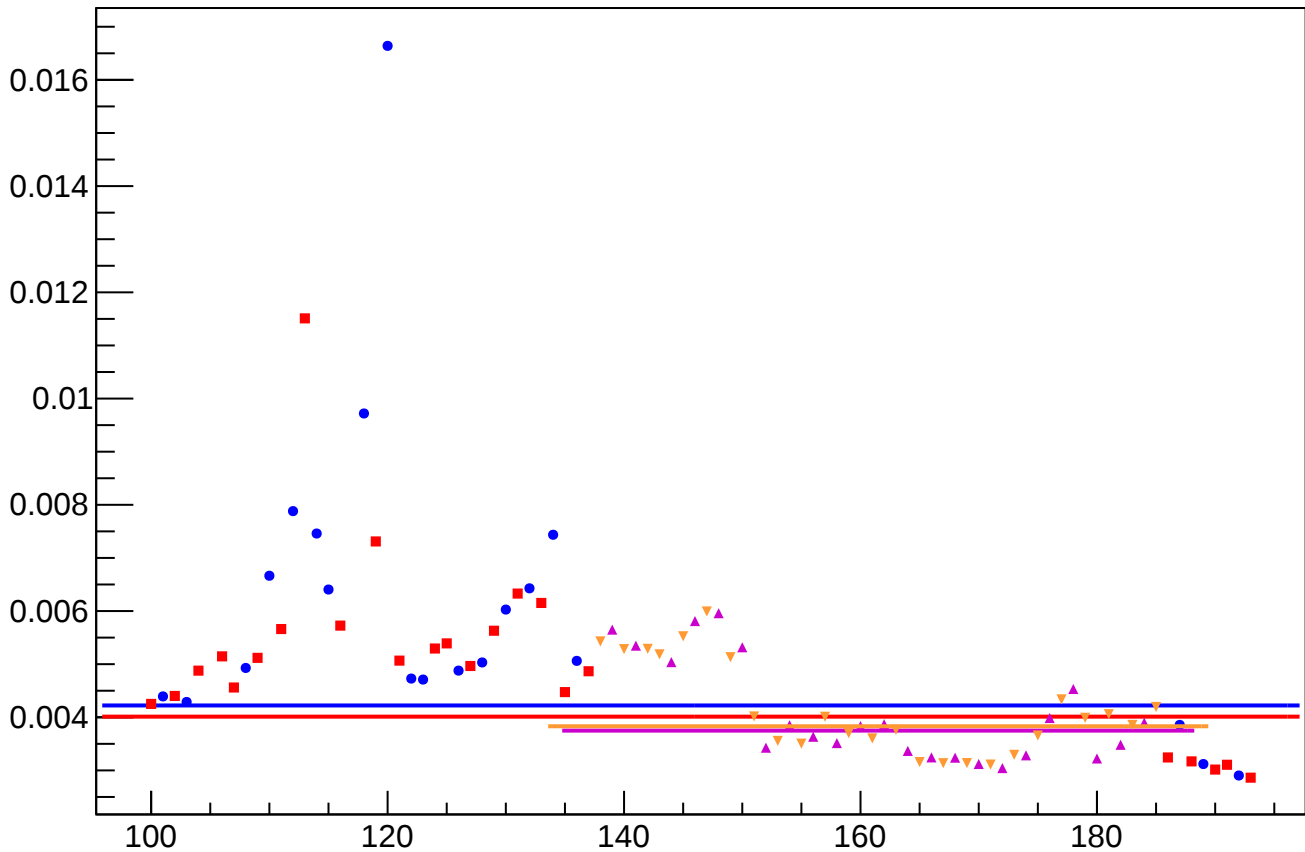
Left In: -0.868+/-0.000 χ^2/NDF : 43853190177.2/22

+ sign -0.998+/-0.000 χ^2/NDF : 220936972188.1/44

All: -1.029+/-0.000 χ^2/NDF : 612548137223.5

- sign -1.057+/-0.000 χ^2/NDF : 388960072509.3/46

yield_bpm0i07X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 1531496.8/19

Left Out: 0.004+/-0.000 χ^2/NDF :1179801.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1459756.8/23

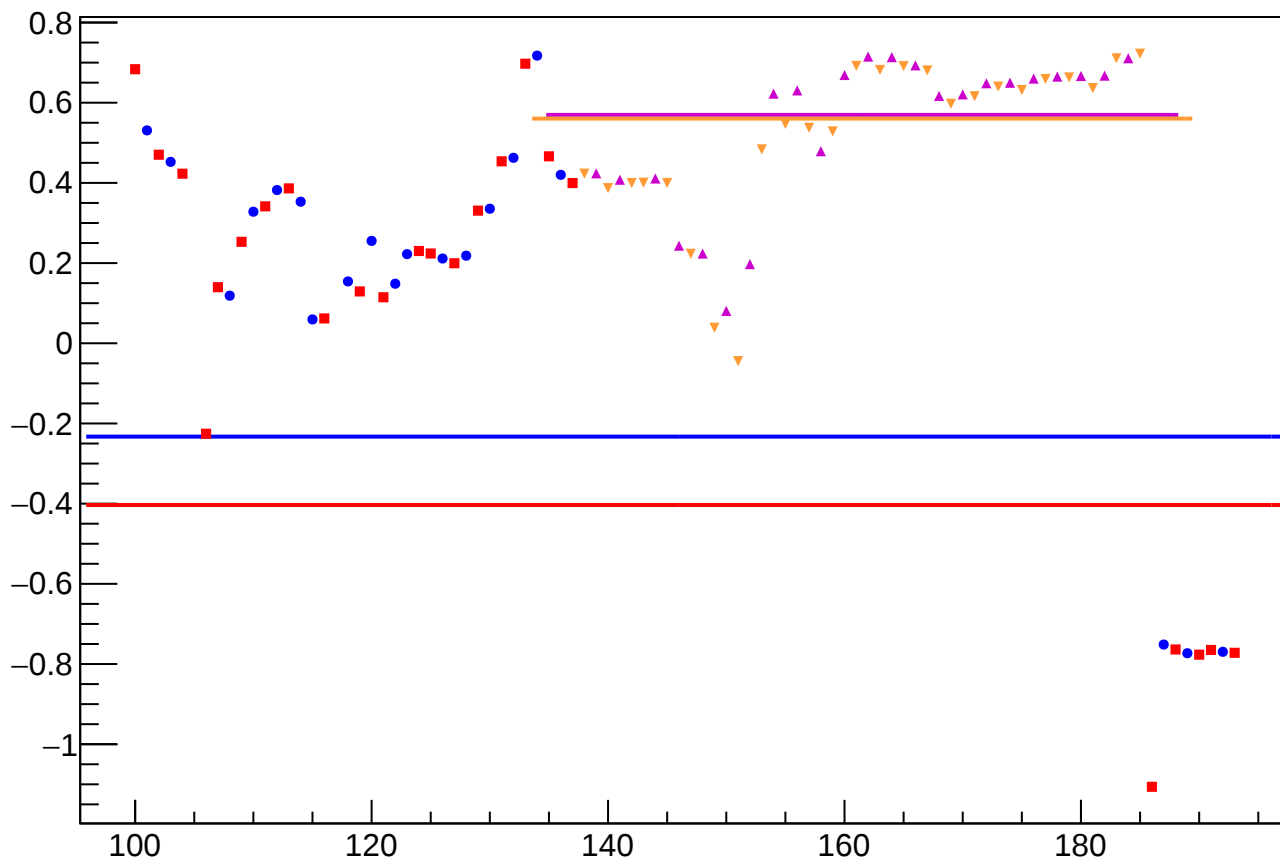
Left In: 0.004+/-0.000 χ^2/NDF :1288490.4/22

+ sign 0.004+/-0.000 χ^2/NDF : 2794672.9/44

All: 0.004+/-0.000 χ^2/NDF : 5604290.4/91

- sign 0.004+/-0.000 χ^2/NDF : 2795384.8/46

yield_bpm0i07Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF : 233521940429.2/19

Left Out: 0.560+/-0.000 χ^2/NDF : 45205806387.2/24

Right Out: -0.403+/-0.000 χ^2/NDF : 346734560476.1/23

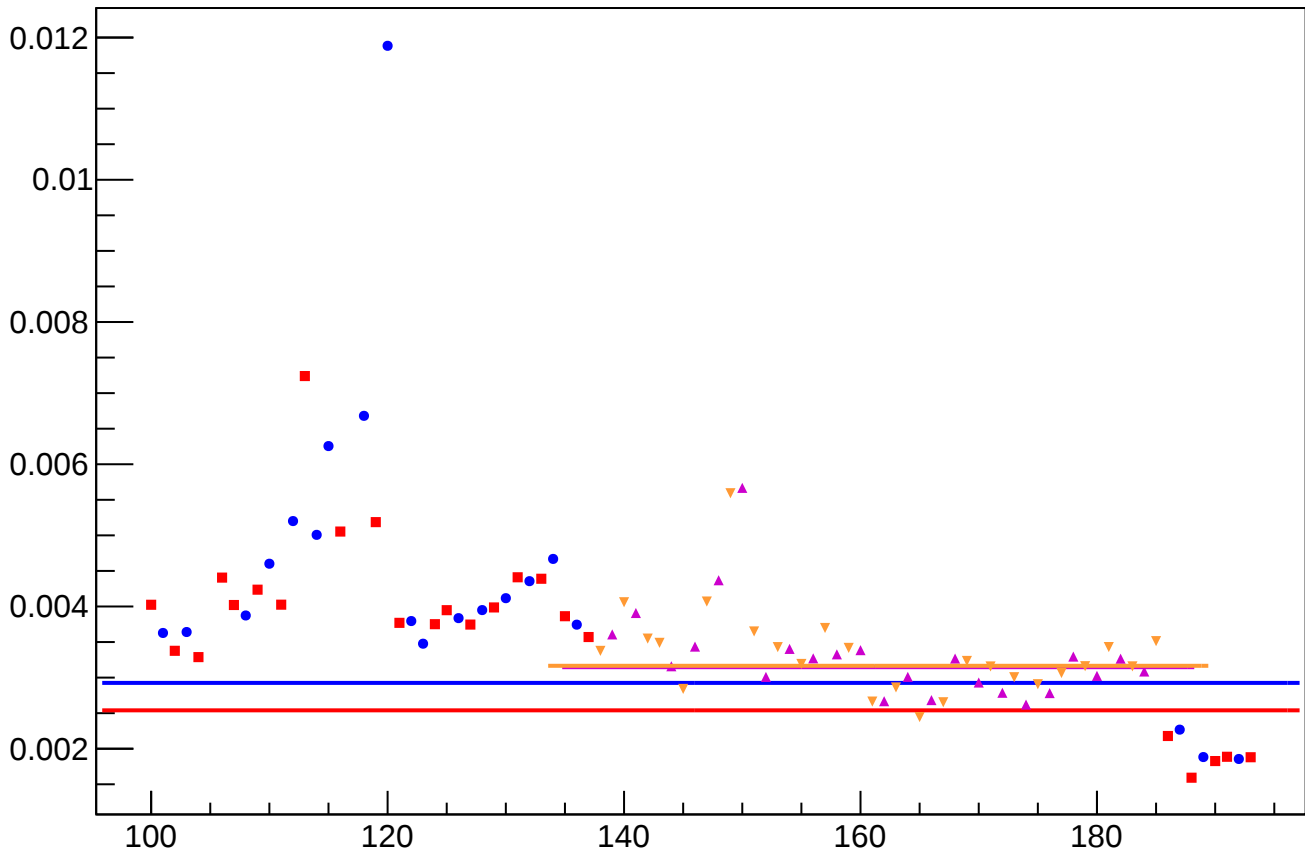
Left In: 0.570+/-0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.316+/-0.000 χ^2/NDF : 592652687370.1/44

All: 0.235+/-0.000 χ^2/NDF : 1626244812744.

- sign 0.163+/-0.000 χ^2/NDF : 1004605395691.4/46

yield_bpm0i07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 2147409.5/19

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:744886.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 2689570.1/23

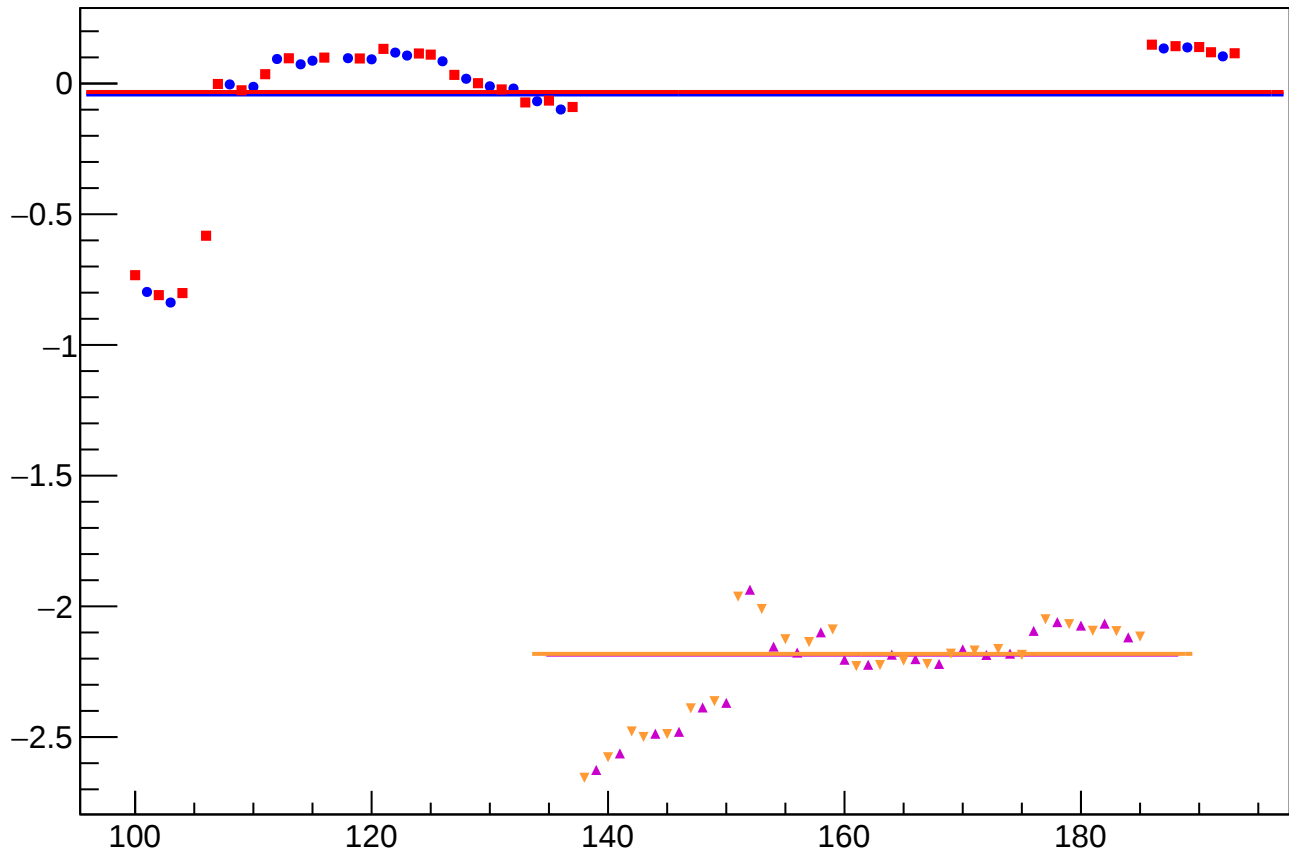
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:716402.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2950010.9/44

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 6933419.6/91

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 3884736.6/46

yield_bpm1i02X_mean vs Slug



Right In: -0.042+/-0.000 χ^2/NDF : 5503158986.7/19

Left Out: -2.182+/-0.000 χ^2/NDF : 4008829567.0/24

Right Out: -0.032+/-0.000 χ^2/NDF : 6606437511.7/23

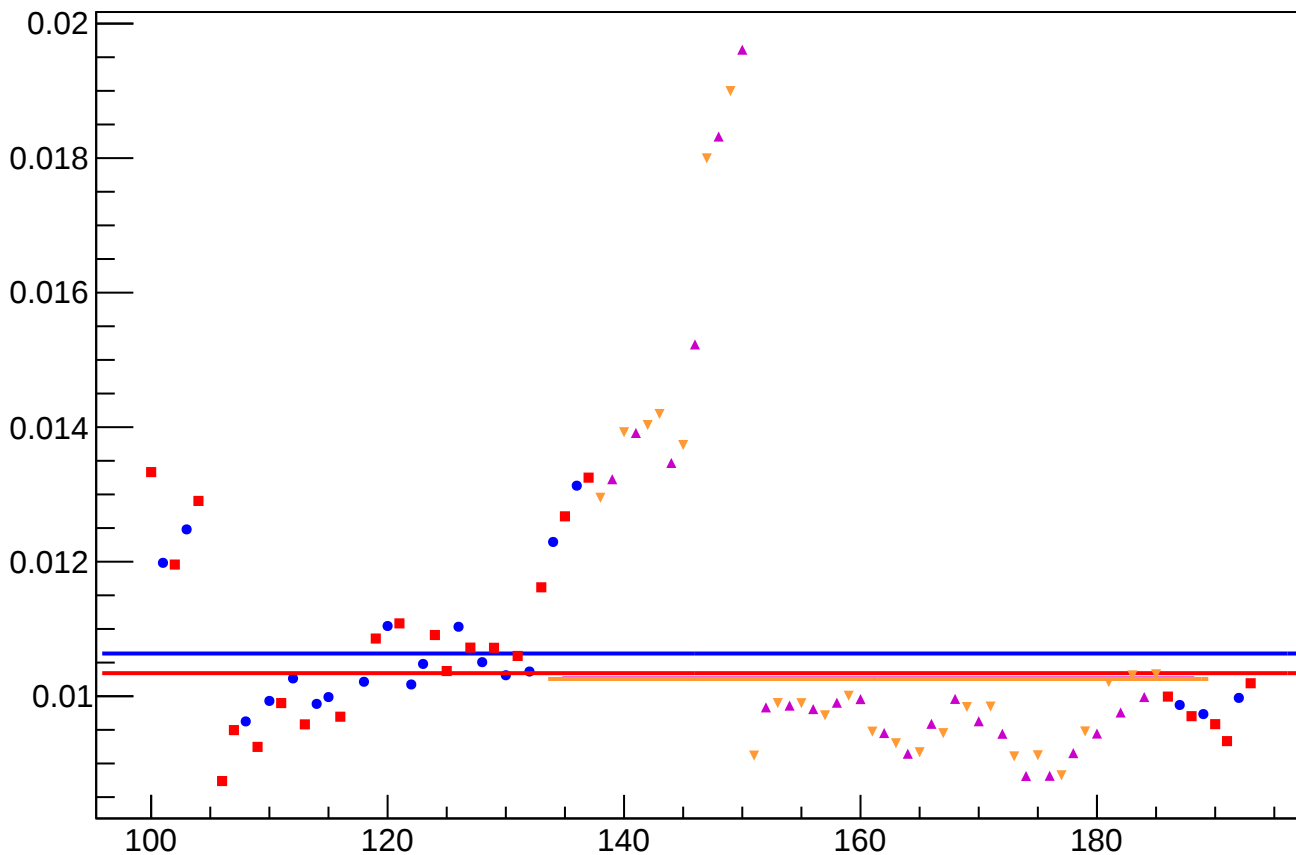
Left In: -2.185+/-0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.540+/-0.000 χ^2/NDF : 240074045755.6/44

All: -1.471+/-0.000 χ^2/NDF : 516322213702.8

- sign -1.405+/-0.000 χ^2/NDF : 274058054300.0/46

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 147023.7/19

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 204499.5/23

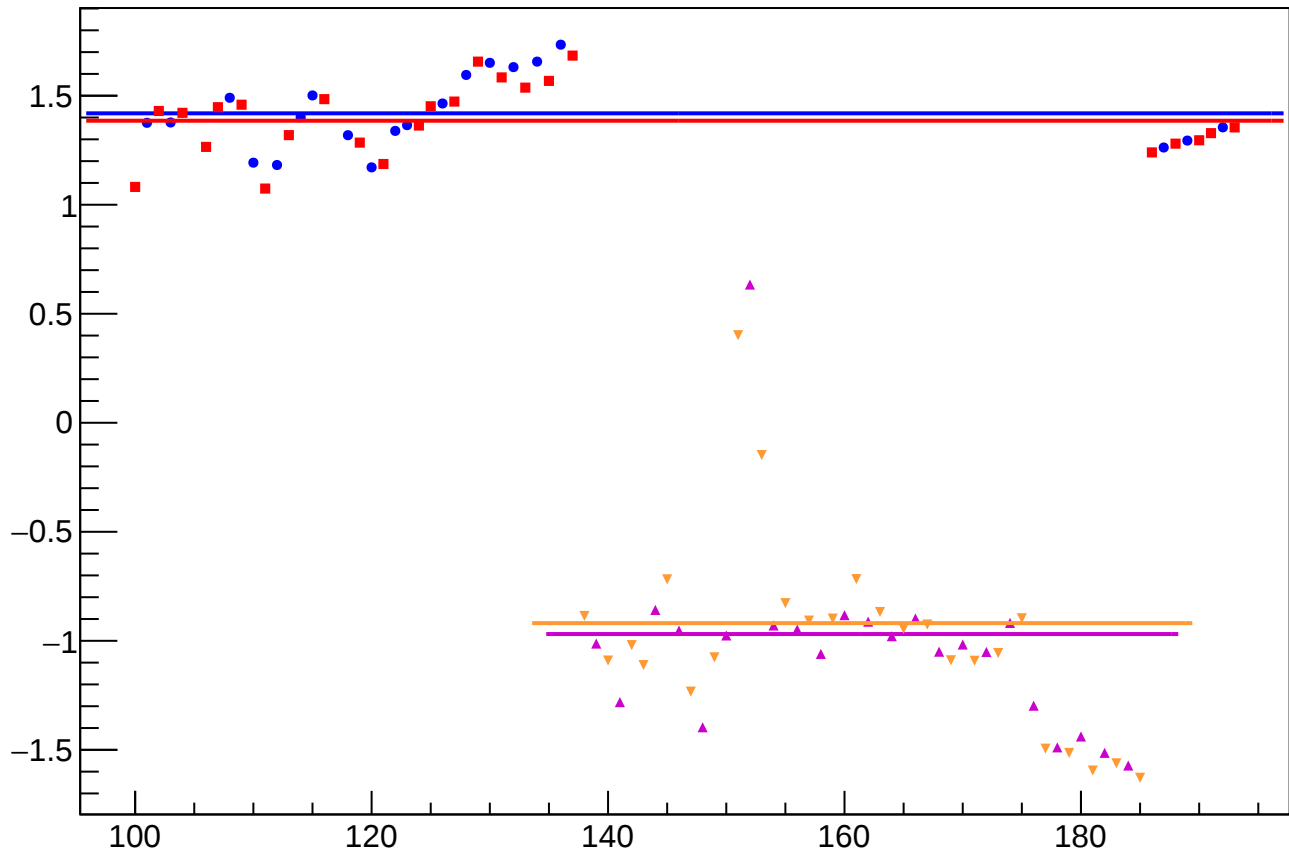
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1432102.8/44

All: 0.010+/-0.000 χ^2/NDF : 2979008.0/91

- sign 0.010+/-0.000 χ^2/NDF : 1545464.5/46

yield_bpm1i02Y_mean vs Slug



Right In: 1.419 $\pm$ 0.000 χ^2 /NDF: 3753714392.6/19

Left Out: -0.919 $\pm$ 0.000 χ^2 /NDF: 55622252895.8/24

Right Out: 1.385 $\pm$ 0.000 χ^2 /NDF: 3203864785.5/23

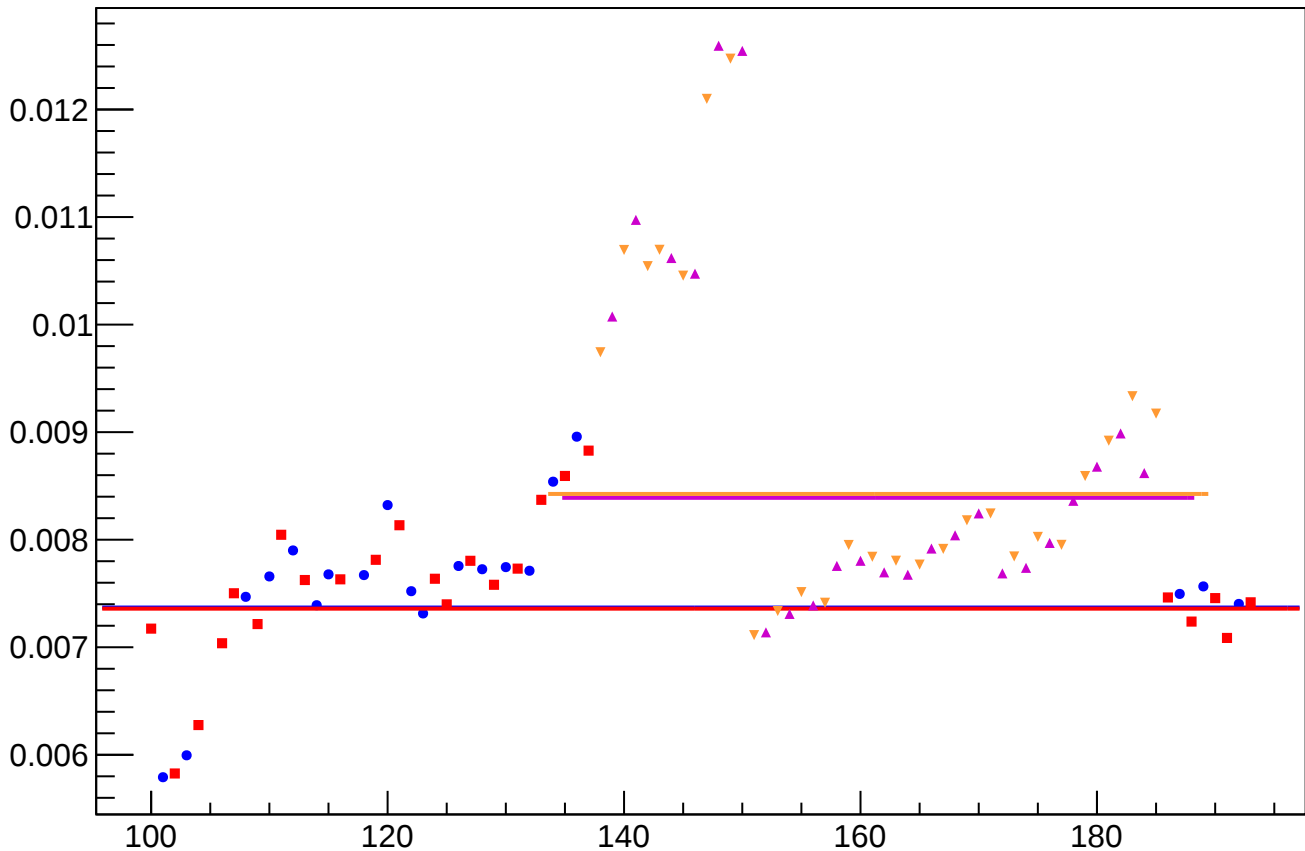
Left In: -0.969 $\pm$ 0.000 χ^2 /NDF: 54895002535.8/22

+ sign -0.051 $\pm$ 0.000 χ^2 /NDF: 571068154998.4/44

All: -0.009 $\pm$ 0.000 χ^2 /NDF: 1194011911153

- sign 0.031 $\pm$ 0.000 χ^2 /NDF: 621590242604.5/46

yield_bpm1i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 229531.8/19

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 792337.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 174054.1/23

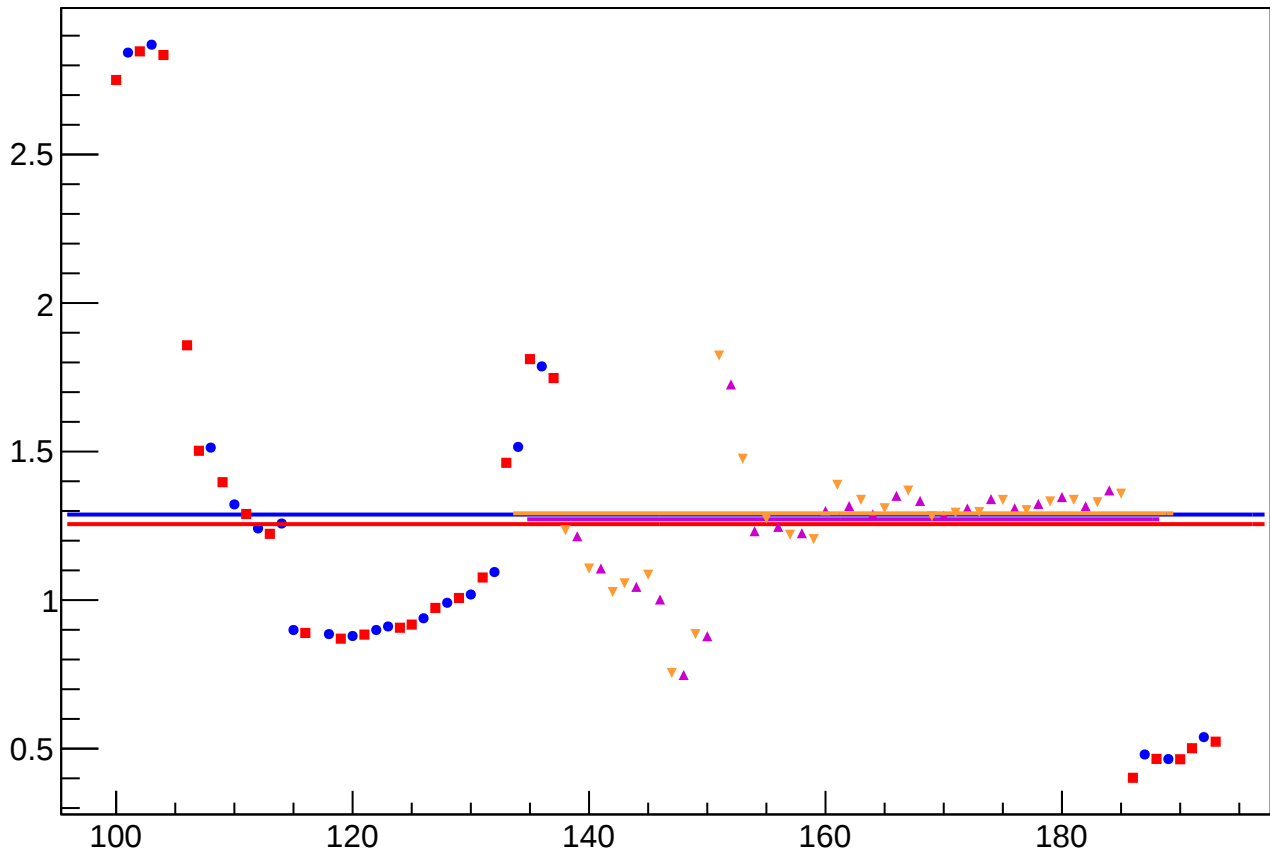
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1230725.7/44

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2463301.9/91

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1229868.7/46

yield_bpm1i04X_mean vs Slug



Right In: 1.288 ± 0.000 χ^2/NDF : 64397158627.0/19

Left Out: 1.292 ± 0.000 χ^2/NDF : 9305298695.5/24

+ sign 1.291 ± 0.000 χ^2/NDF : 73704165170.5/44

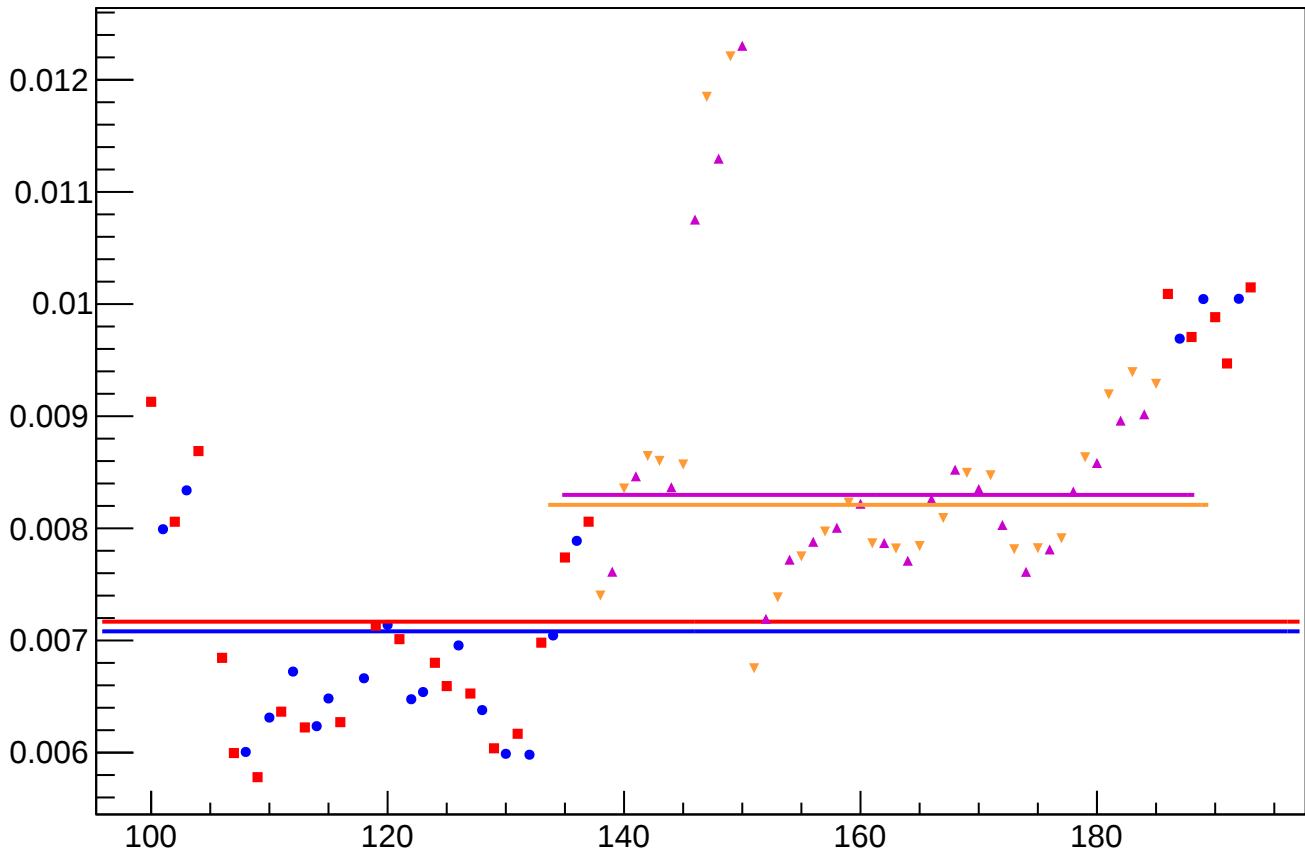
Right Out: 1.256 ± 0.000 χ^2/NDF : 68768205480.4/23

All: 1.278 ± 0.000 χ^2/NDF : 150211596711.9

- sign 1.265 ± 0.000 χ^2/NDF : 76369733800.8/46

Left In: 1.272 ± 0.000 χ^2/NDF : 7573930981.2/22

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 449494.5/19

Left Out: 0.008+/-0.000 χ^2/NDF : 478864.9/24

Right Out: 0.007+/-0.000 χ^2/NDF : 646699.9/23

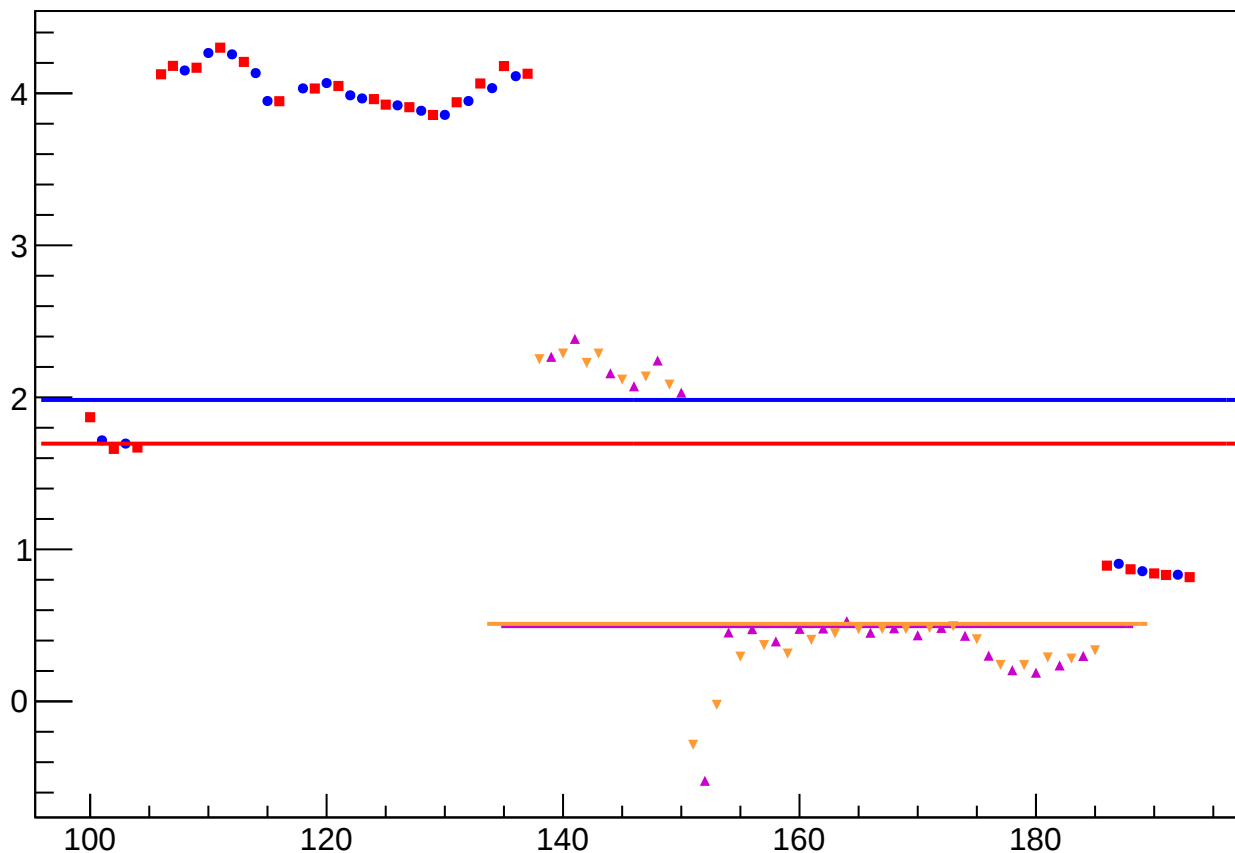
Left In: 0.008+/-0.000 χ^2/NDF : 462022.1/22

+ sign 0.008+/-0.000 χ^2/NDF : 1180615.5/44

All: 0.008+/-0.000 χ^2/NDF : 2555765.3/91

- sign 0.008+/-0.000 χ^2/NDF : 1374742.4/46

yield_bpm1i04Y_mean vs Slug



Right In: 1.983+/-0.000 χ^2/NDF : 1143998656166.1/19

Left Out: 0.510+/-0.000 χ^2/NDF : 274818814912.4/24

Right Out: 1.696+/-0.000 χ^2/NDF : 1455619394115.8/23

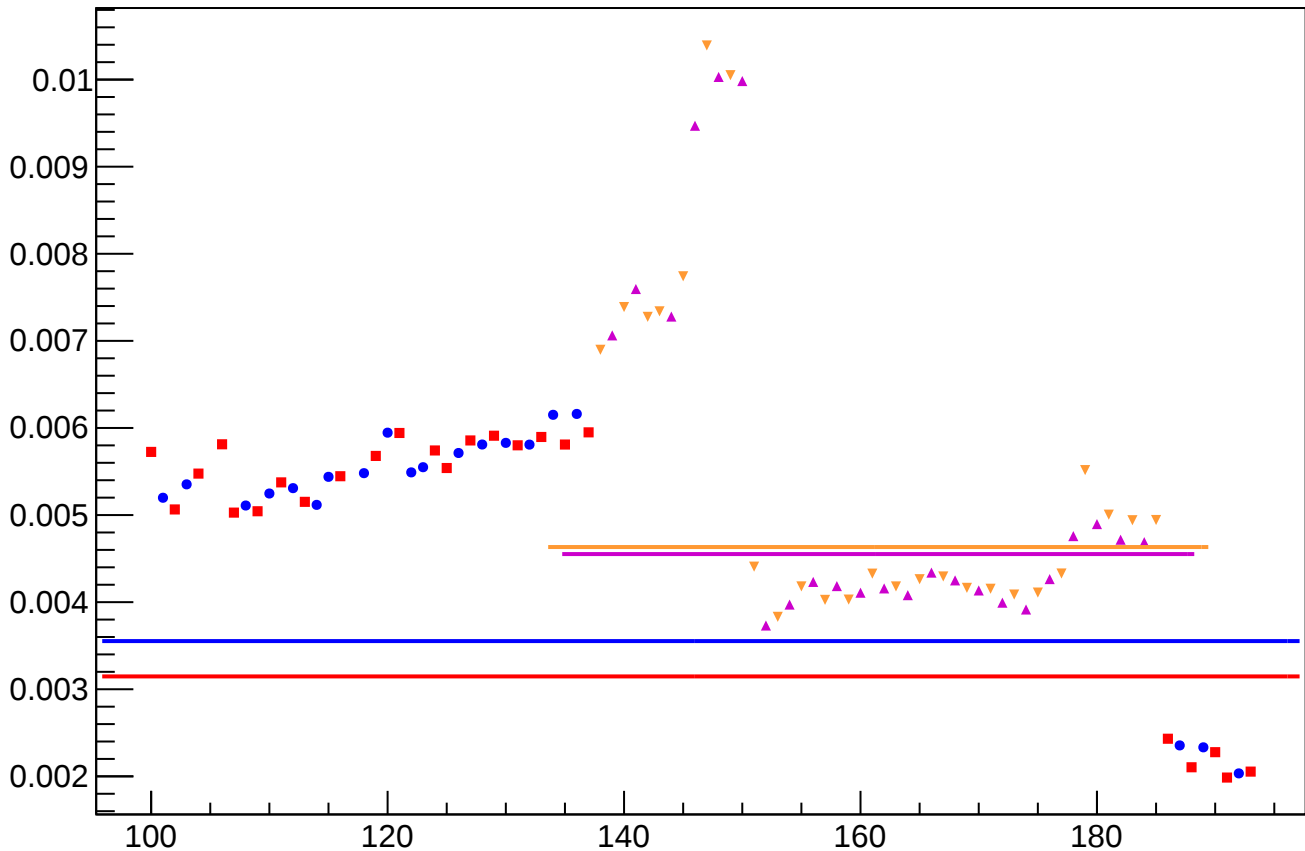
Left In: 0.495+/-0.000 χ^2/NDF : 268863202792.4/22

+ sign 1.101+/-0.000 χ^2/NDF : 2095101285681.2/44

All: 1.098+/-0.000 χ^2/NDF : 4366037985817.

- sign 1.096+/-0.000 χ^2/NDF : 2270915184474.2/46

yield_bpm1i04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3027303.7/19

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:2114007.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 3714302.2/23

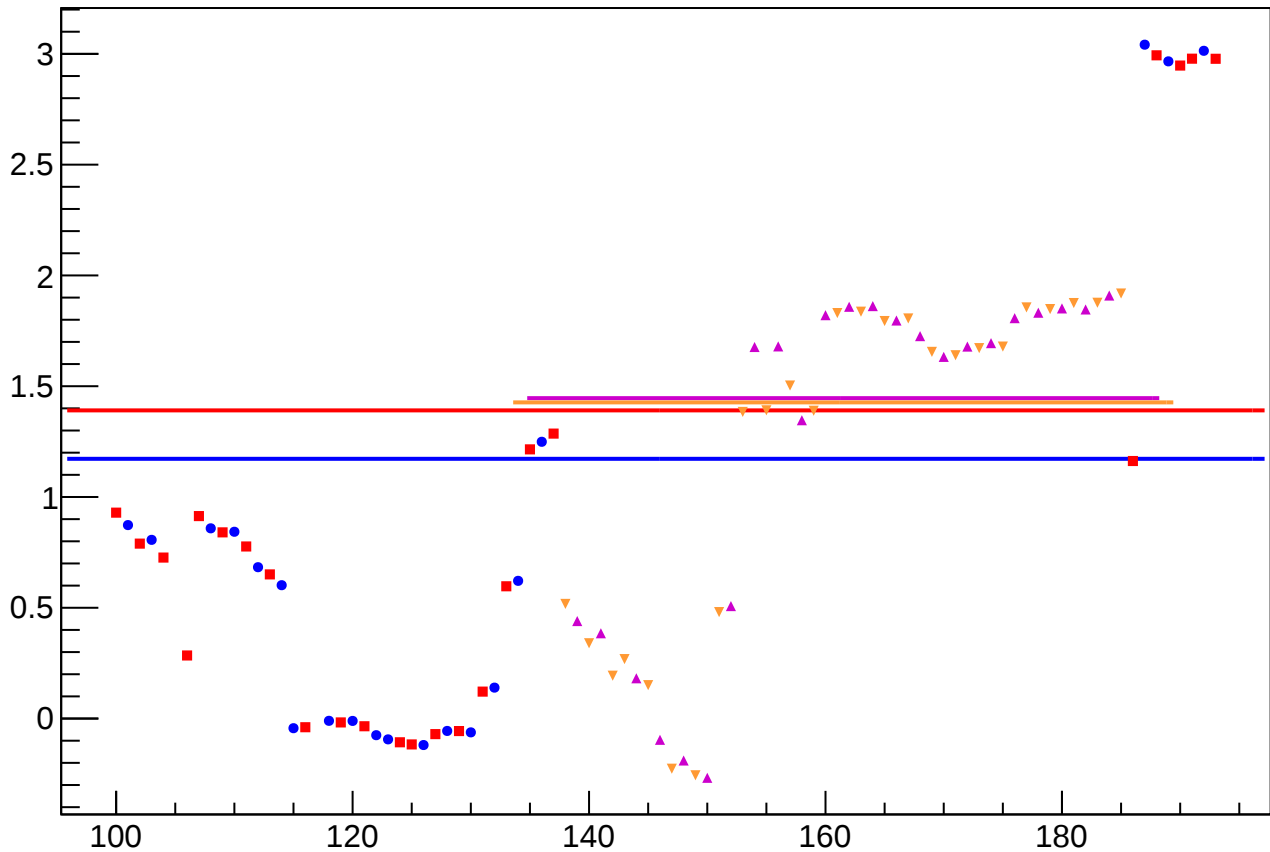
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:2237666.9/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5868341.7/44

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 13488177.6/91

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 7448374.7/46

yield_bpm1i06X_mean vs Slug



Right In: 1.172 $\pm$ 0.000 χ^2 /NDF: 72504992322.7/19

Left Out: 1.427 $\pm$ 0.000 χ^2 /NDF: 49990787038.3/24

Right Out: 1.391 $\pm$ 0.000 χ^2 /NDF: 89517811039.4/23

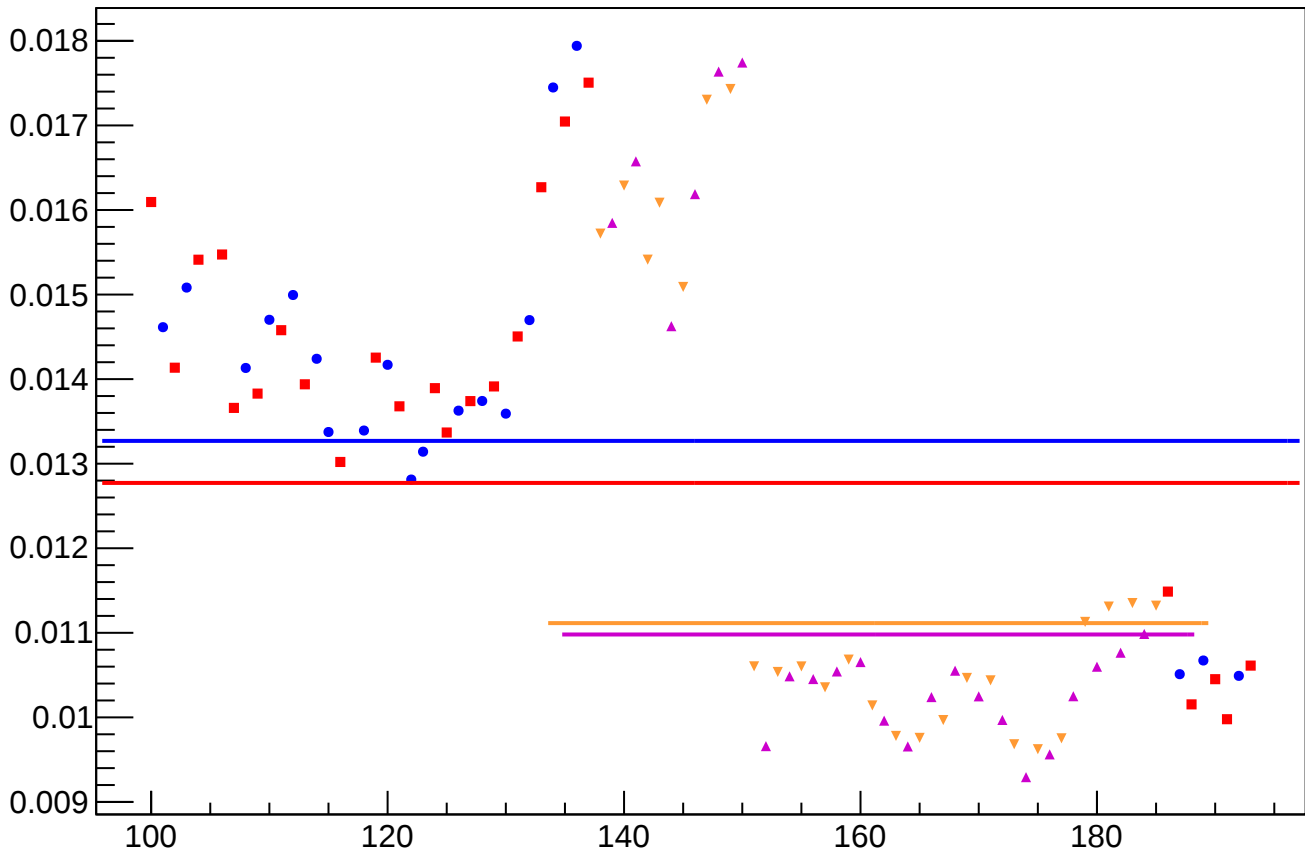
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.365 $\pm$ 0.000 χ^2 /NDF: 124723834908.3/44

All: 1.398 $\pm$ 0.000 χ^2 /NDF: 268513545132.3

- sign 1.430 $\pm$ 0.000 χ^2 /NDF: 143392929261.5/46

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 398825.0/19

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 509682.8/23

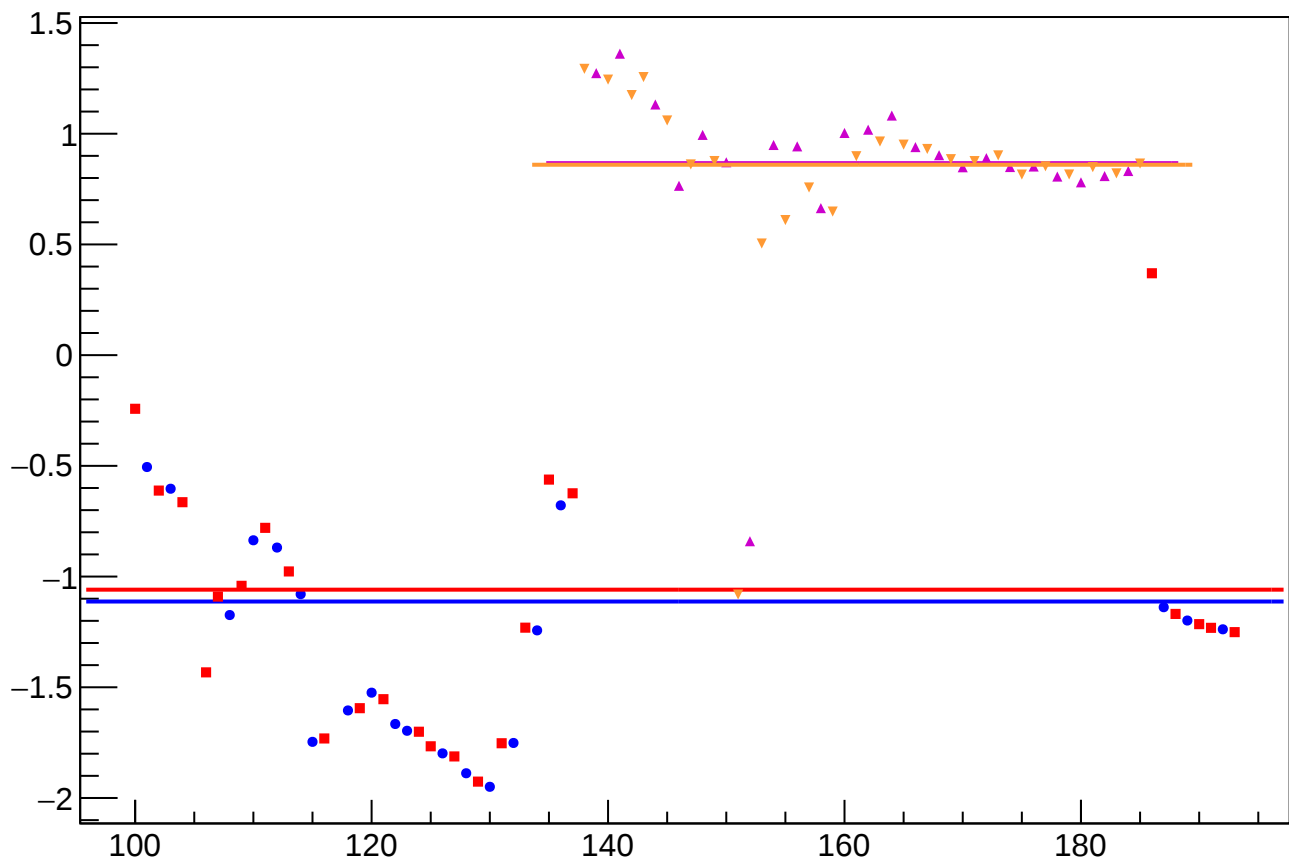
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 1945313.4/44

All: 0.012+/-0.000 χ^2/NDF : 3981268.3/91

- sign 0.012+/-0.000 χ^2/NDF : 2032700.5/46

yield_bpm1i06Y_mean vs Slug



Right In: -1.113+/-0.000 χ^2/NDF : 56079657888.9/19

Left Out: 0.860+/-0.000 χ^2/NDF :126335891175.4/24

Right Out: -1.059+/-0.000 χ^2/NDF : 63607676695.0/23

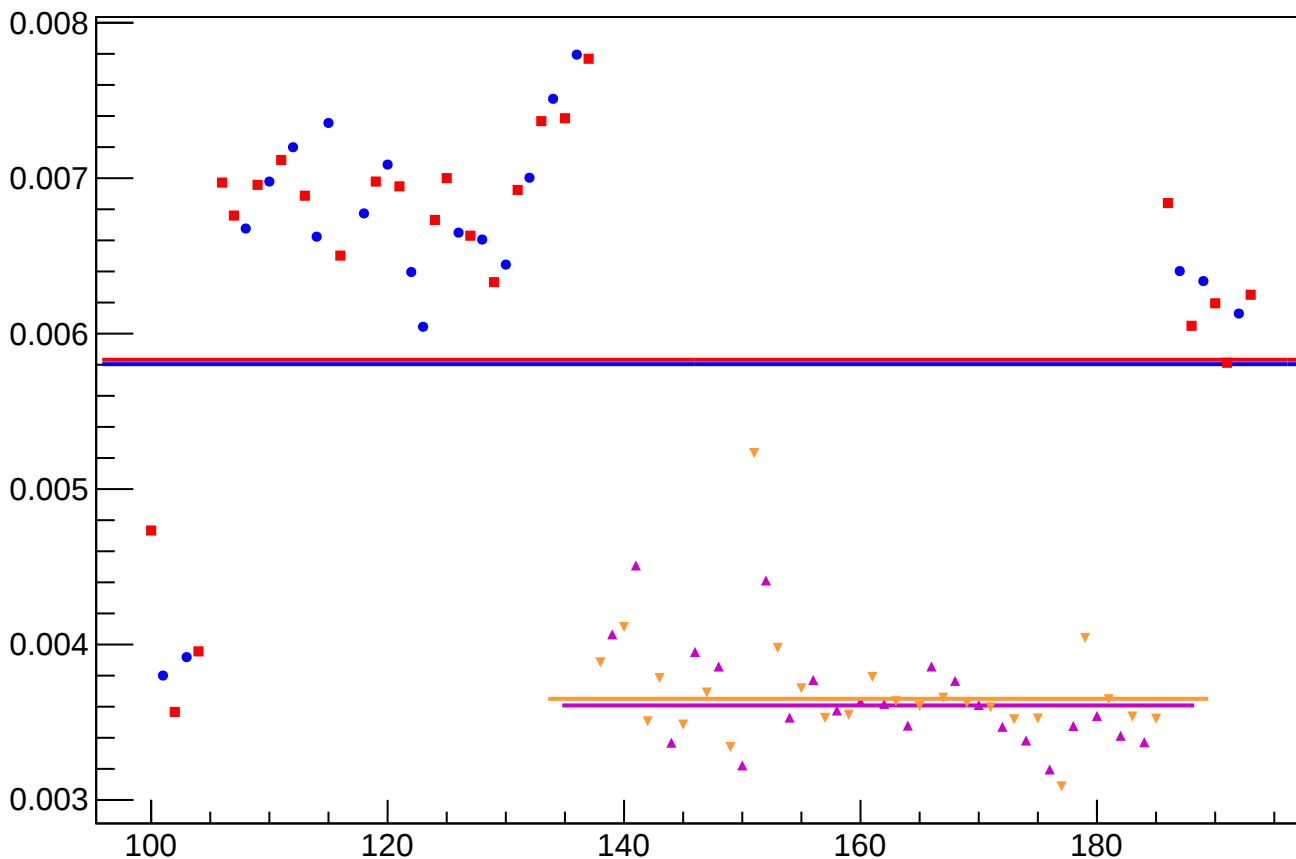
Left In: 0.867+/-0.000 χ^2/NDF :147039402944.6/22

+ sign 0.566+/-0.000 χ^2/NDF : 908172577768.0/44

All: 0.549+/-0.000 χ^2/NDF : 1898646757476.

- sign 0.532+/-0.000 χ^2/NDF : 989617286048.5/46

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 854750.0/19

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 953317.4/23

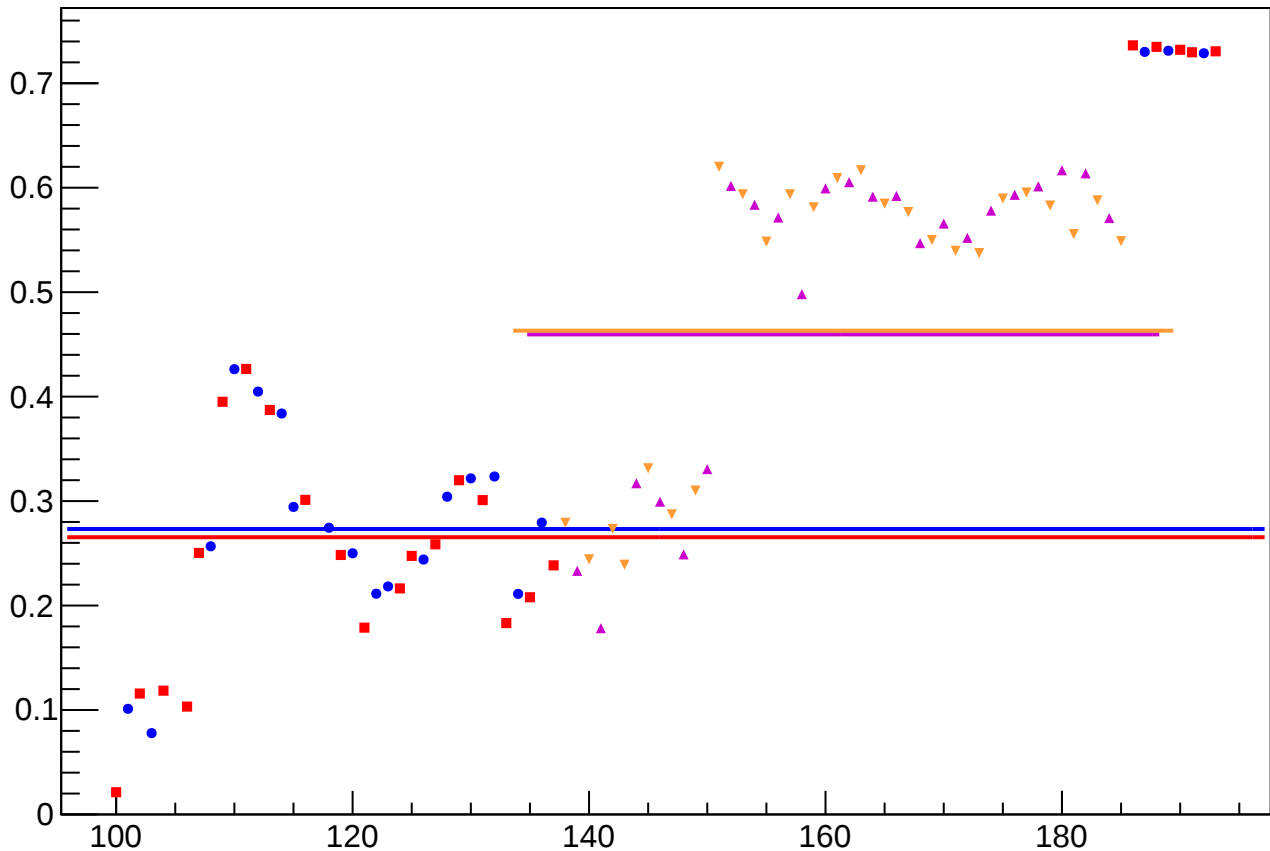
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2820910.3/44

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 6079230.3/91

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3257493.6/46

yield_bpm2i01X_mean vs Slug



Right In: 0.273+/-0.000 χ^2/NDF : 41788217690.3/19

Left Out: 0.463+/-0.000 χ^2/NDF : 102506270538.7/24

Right Out: 0.265+/-0.000 χ^2/NDF : 63650565124.6/23

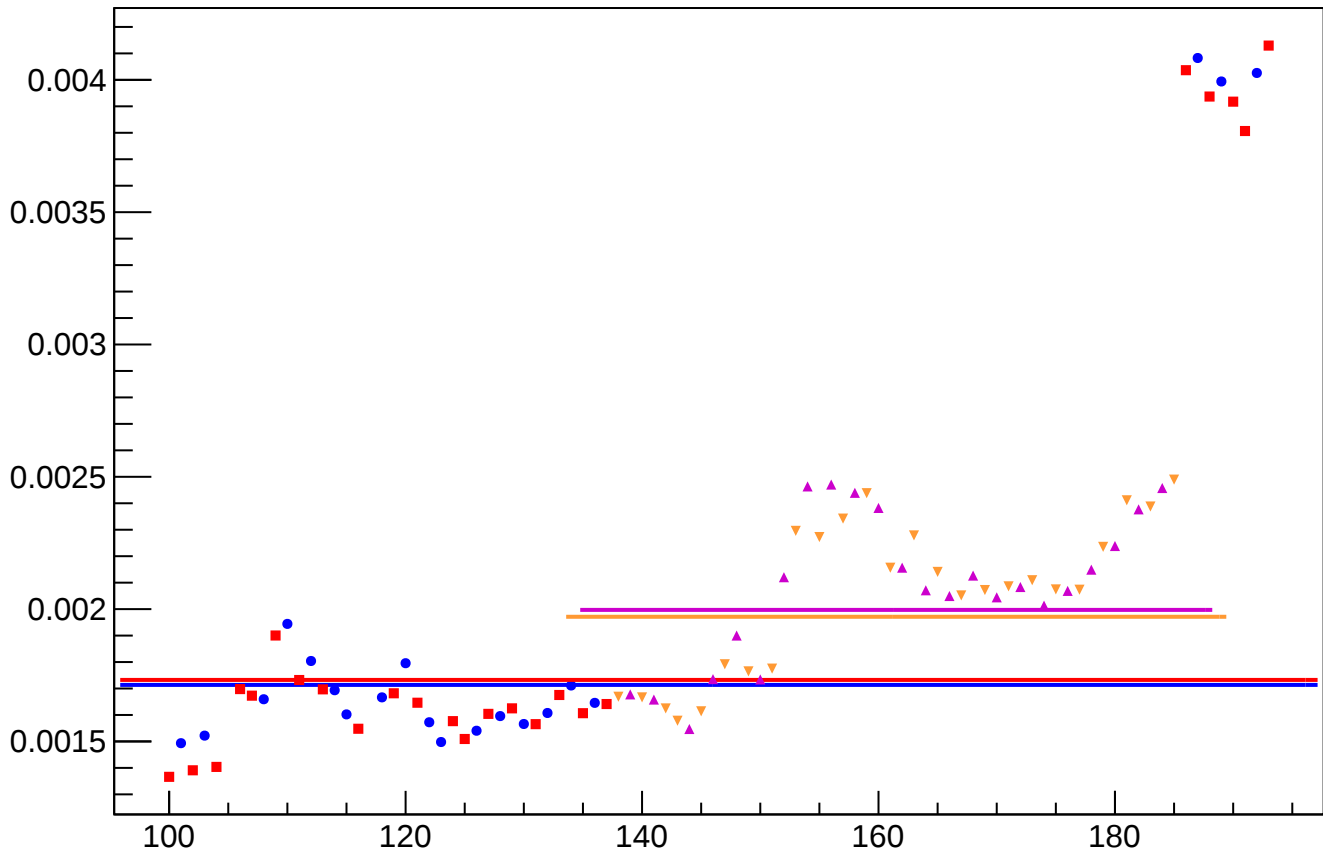
Left In: 0.460+/-0.000 χ^2/NDF : 104559088628.4/22

+ sign 0.396+/-0.000 χ^2/NDF : 203133067423.7/44

All: 0.388+/-0.000 χ^2/NDF : 436552989027.4

- sign 0.381+/-0.000 χ^2/NDF : 232612029228.3/46

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1099956.3/19

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 1837355.0/23

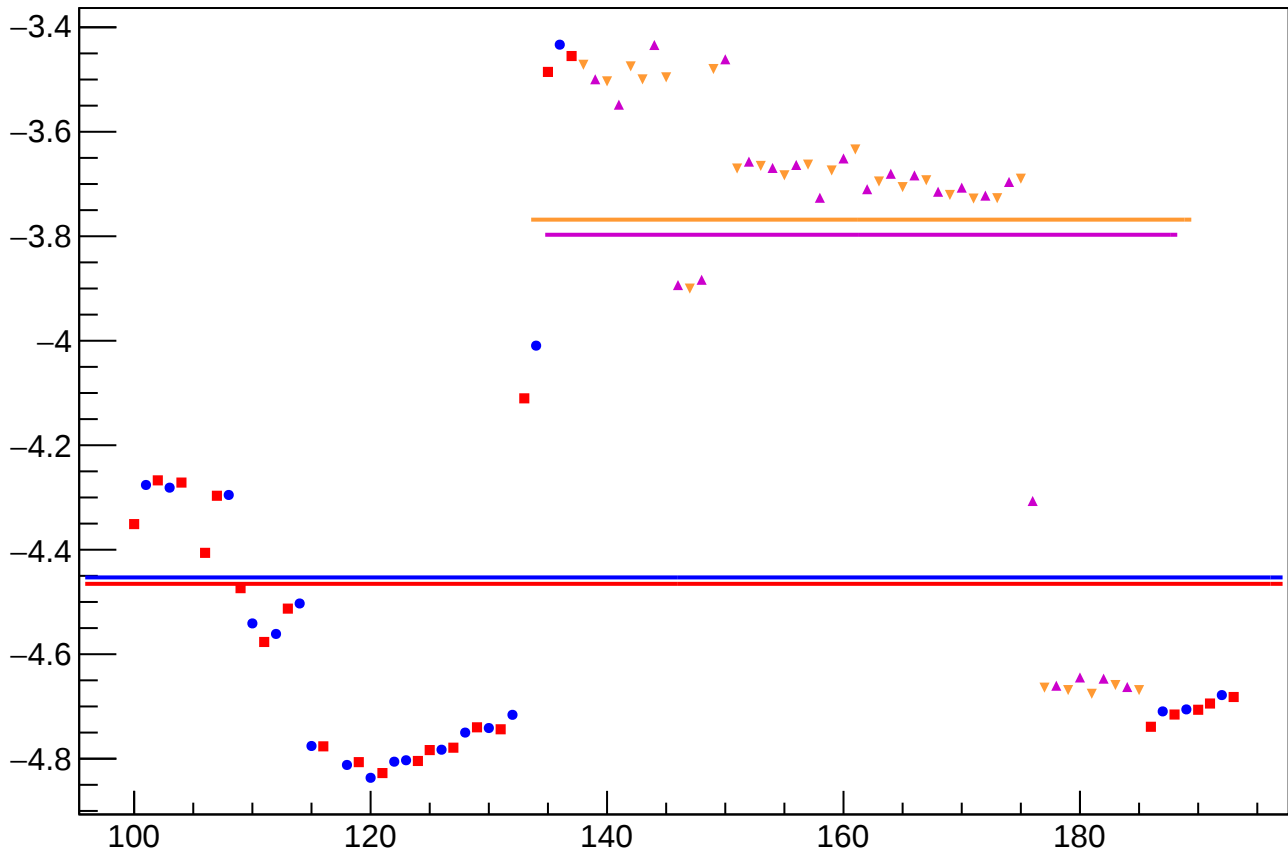
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 2046468.4/44

All: 0.002+/-0.000 χ^2/NDF : 4790182.0/91

- sign 0.002+/-0.000 χ^2/NDF : 2743022.5/46

yield_bpm2i01Y_mean vs Slug



Right In: -4.453+/-0.000 χ^2/NDF : 400916719127.5/19

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.465+/-0.000 χ^2/NDF : 341950690502.6/23

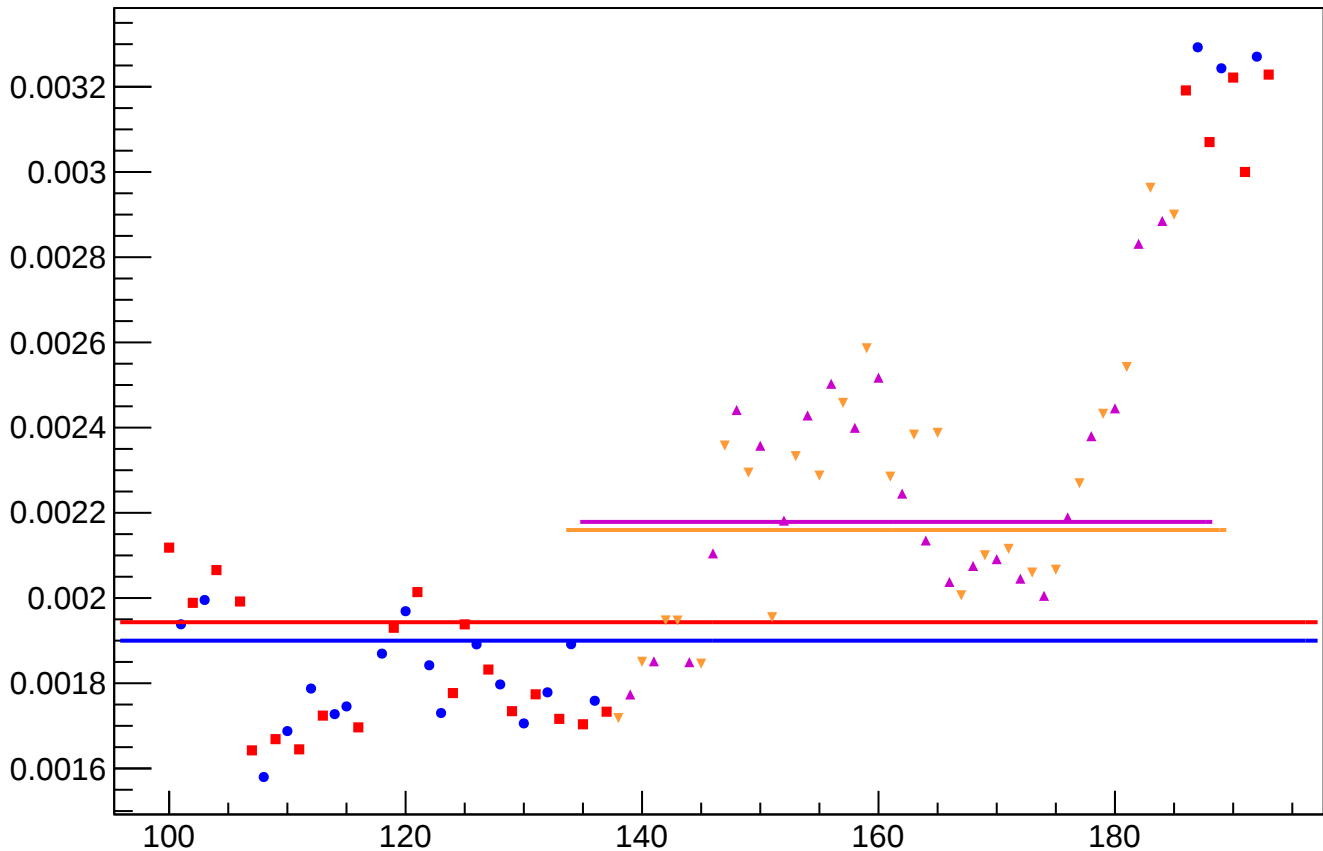
Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.014+/-0.000 χ^2/NDF : 1559105310633.3/4

All: -4.040+/-0.000 χ^2/NDF : 2989998398032

- sign -4.065+/-0.000 χ^2/NDF : 1423022793214.2/4

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 606430.4/19

Left Out: 0.002+/-0.000 χ^2/NDF :547831.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 916544.1/23

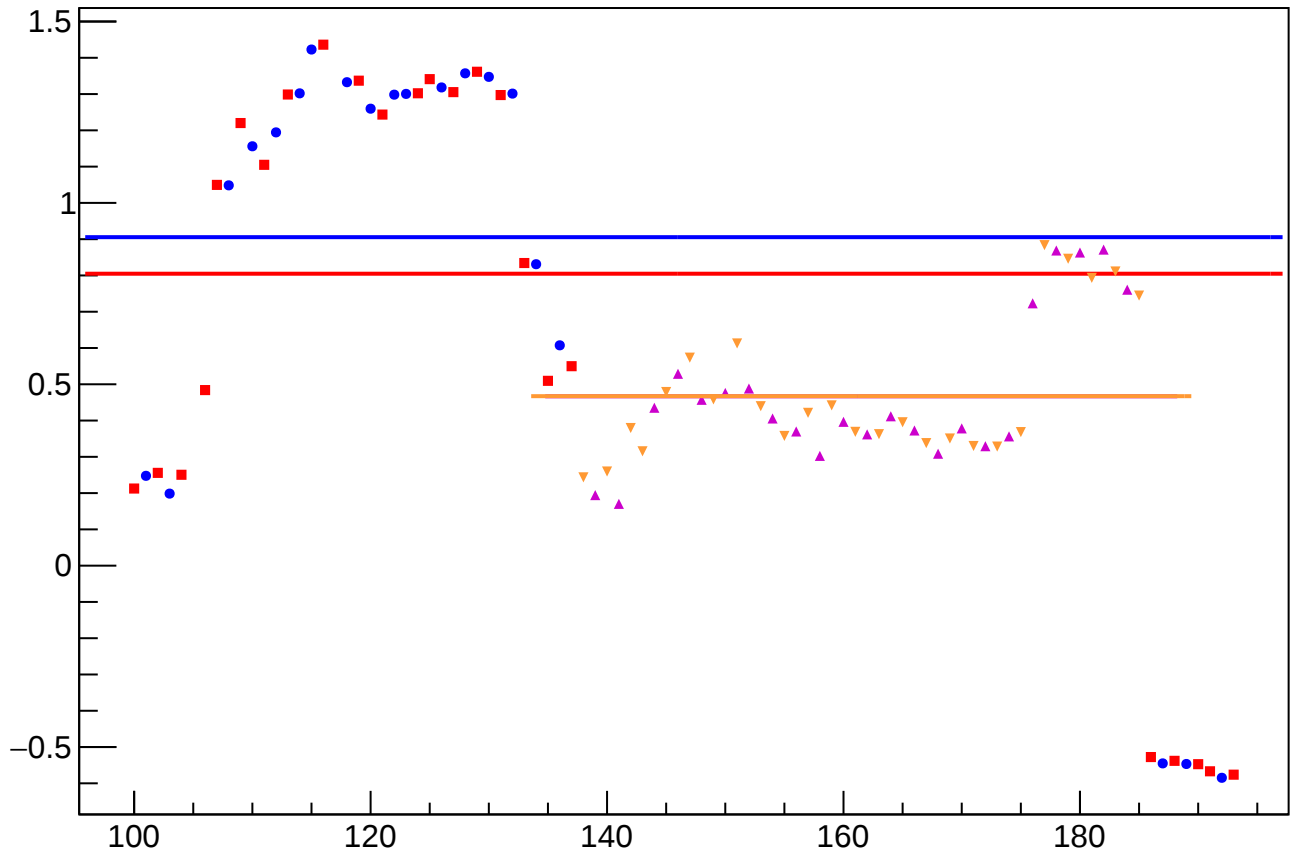
Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 1338744.2/44

All: 0.002+/-0.000 χ^2/NDF : 2878431.4/91

- sign 0.002+/-0.000 χ^2/NDF : 1537821.4/46

yield_bpm2i02X_mean vs Slug



Right In: 0.906 ± 0.000 χ^2/NDF : 52266050507.9/19

Left Out: 0.467 ± 0.000 χ^2/NDF : 7359344143.3/24

Right Out: 0.805 ± 0.000 χ^2/NDF : 72668957737.2/23

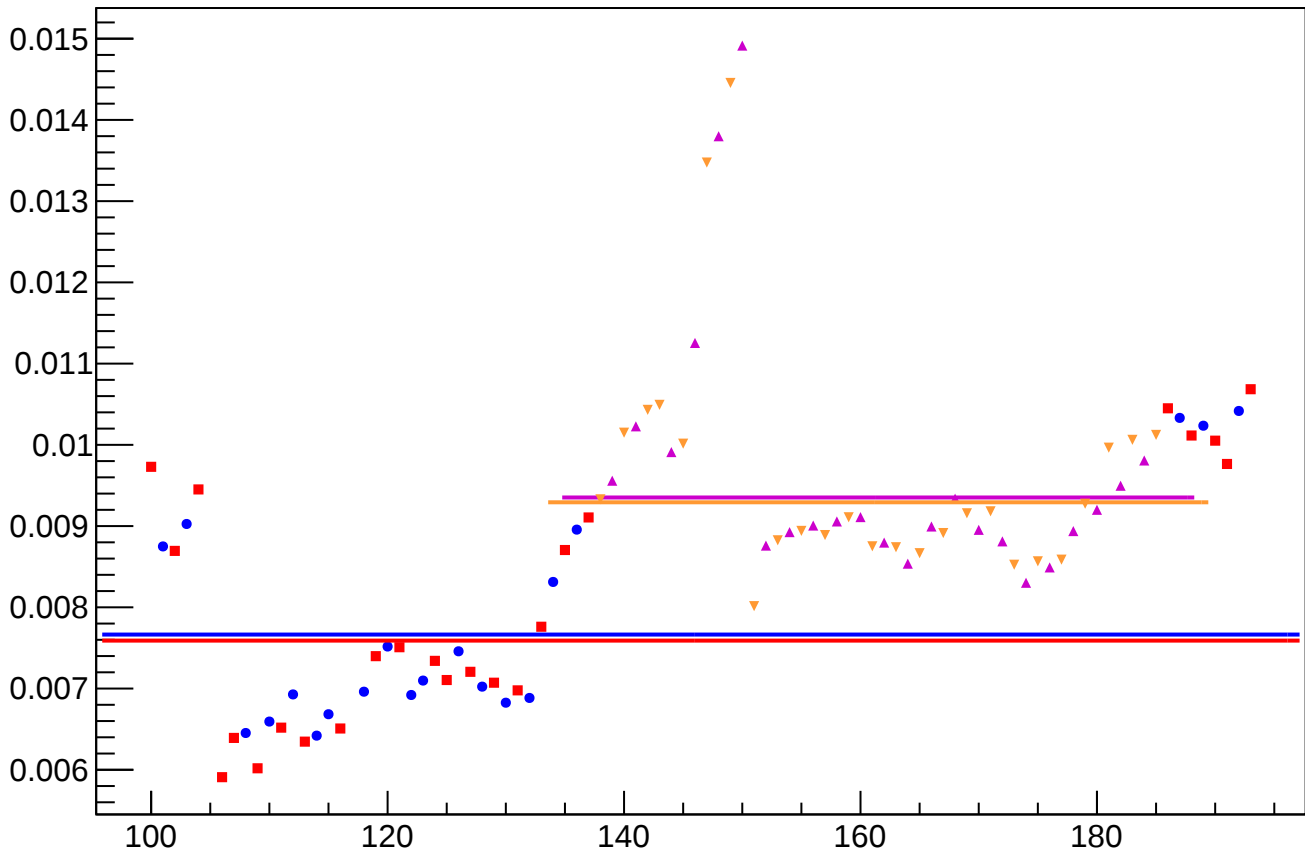
Left In: 0.467 ± 0.000 χ^2/NDF : 8036741308.0/22

+ sign 0.640 ± 0.000 χ^2/NDF : 75468050447.6/44

All: 0.630 ± 0.000 χ^2/NDF : 166327179853.4

- sign 0.620 ± 0.000 χ^2/NDF : 90790771809.3/46

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 411822.5/19

Left Out: 0.009+/-0.000 χ^2/NDF : 528279.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 675046.0/23

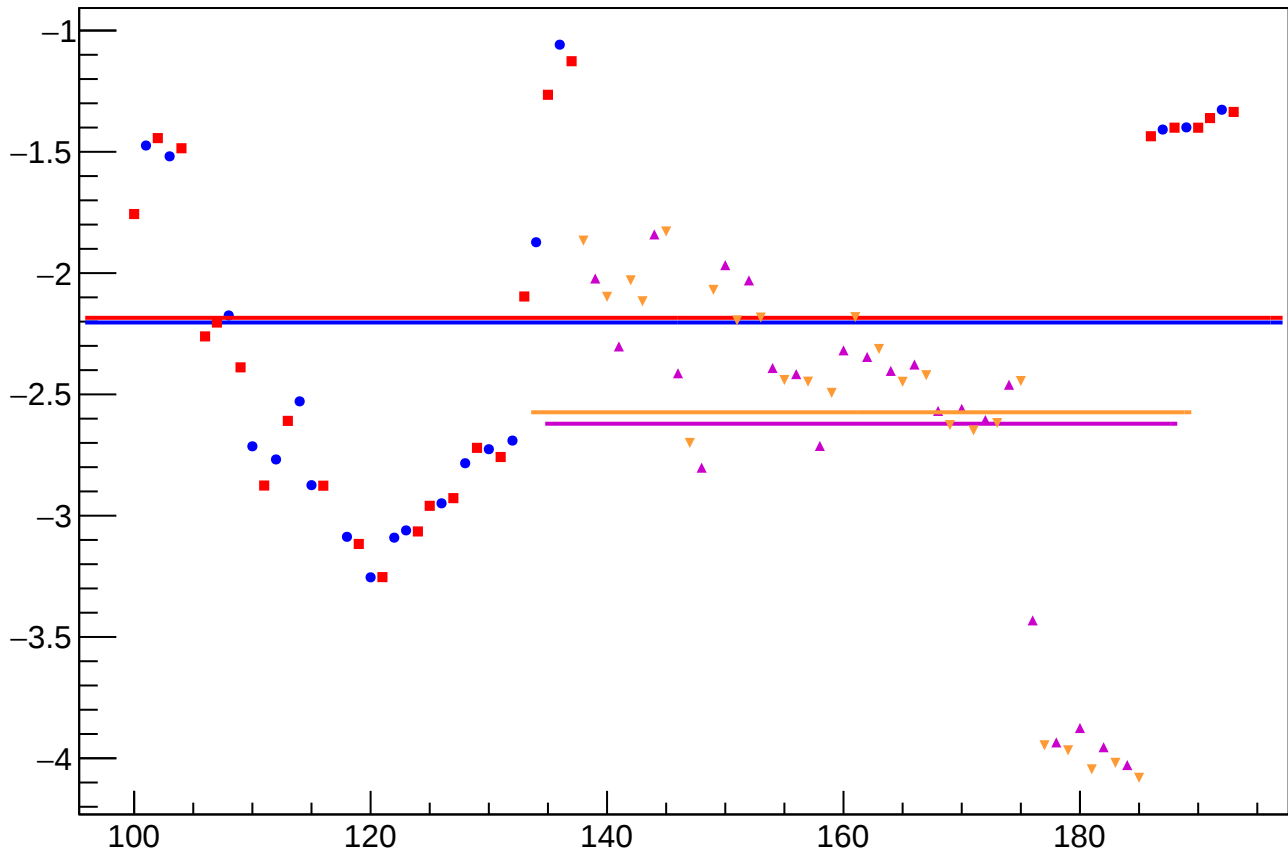
Left In: 0.009+/-0.000 χ^2/NDF : 557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 1377280.2/44

All: 0.009+/-0.000 χ^2/NDF : 3161419.7/91

- sign 0.009+/-0.000 χ^2/NDF : 1780695.5/46

yield_bpm2i02Y_mean vs Slug



Right In: -2.204+/-0.000 χ^2/NDF : 86746082050.4/19

Left Out: -2.574+/-0.000 χ^2/NDF : 99176112704.9/24

Right Out: -2.184+/-0.000 χ^2/NDF : 86140987873.0/23

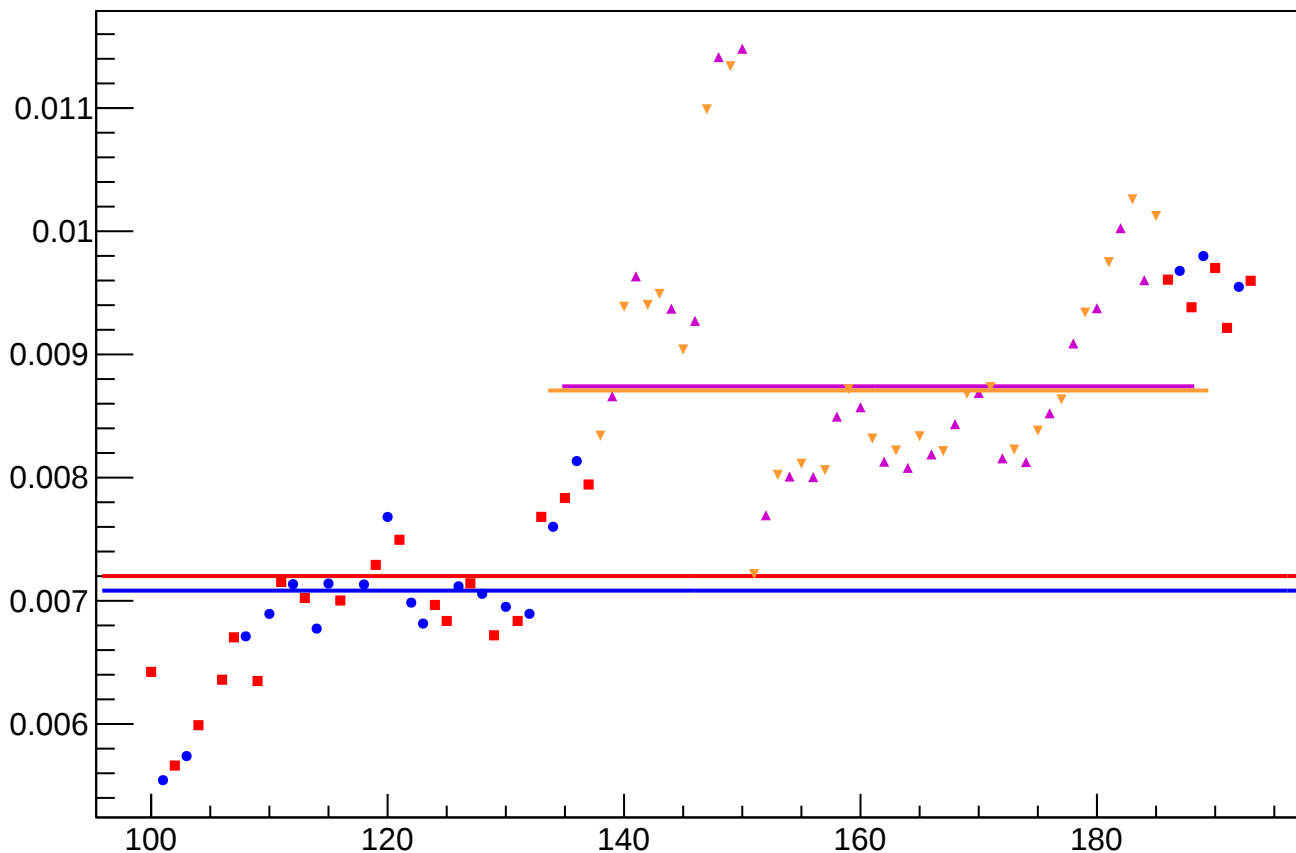
Left In: -2.621+/-0.000 χ^2/NDF : 80862402796.4/22

+ sign -2.426+/-0.000 χ^2/NDF : 199060215780.4/44

All: -2.425+/-0.000 χ^2/NDF : 385213326763.3

- sign -2.425+/-0.000 χ^2/NDF : 186153095775.5/46

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 404682.8/19

Left Out: 0.009+/-0.000 χ^2/NDF :369376.5/24

Right Out: 0.007+/-0.000 χ^2/NDF : 482447.3/23

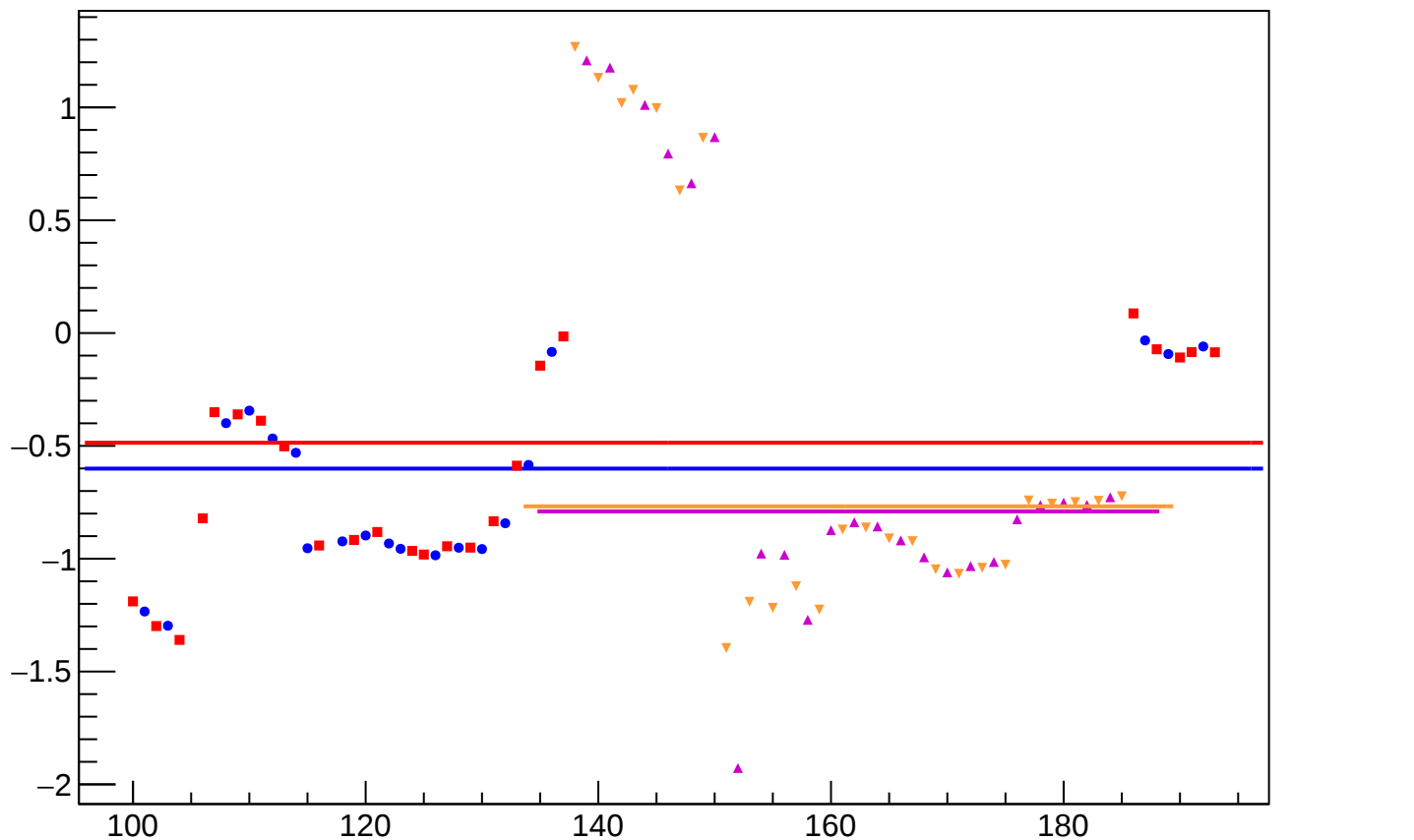
Left In: 0.009+/-0.000 χ^2/NDF :353750.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 1280214.3/44

All: 0.008+/-0.000 χ^2/NDF : 2593179.6/91

- sign 0.008+/-0.000 χ^2/NDF : 1312950.2/46

yield_bpm0i01X_mean vs Slug



Right In: -0.601+/-0.000 χ^2/NDF : 16574858828.7/19

Left Out: -0.768+/-0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.486+/-0.000 χ^2/NDF : 21507239242.2/23

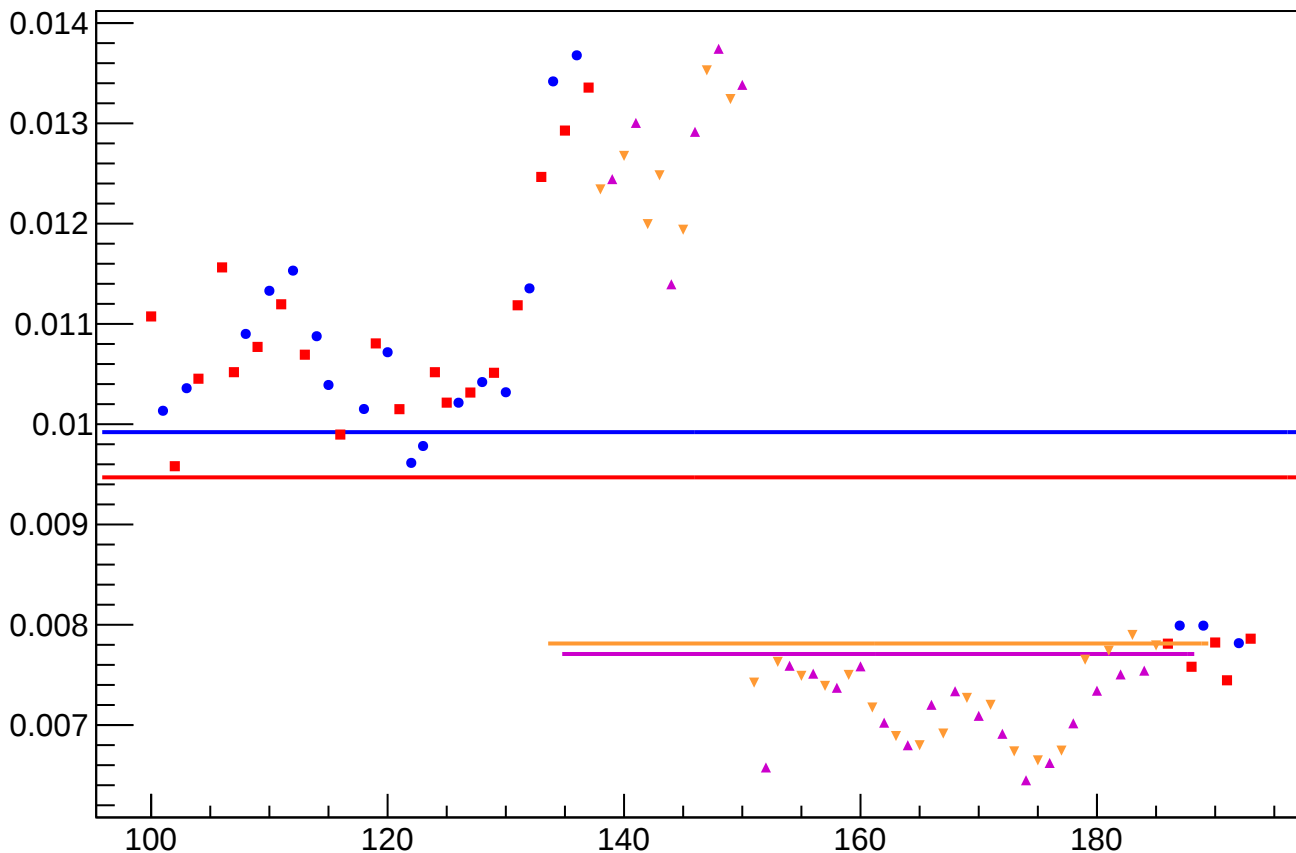
Left In: -0.790+/-0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.731+/-0.000 χ^2/NDF : 139095519532.7/44

All: -0.719+/-0.000 χ^2/NDF : 291059615441.8

- sign -0.707+/-0.000 χ^2/NDF : 151860811802.6/46

yield_bpm0i01X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 412402.6/19

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1705997.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 554666.5/23

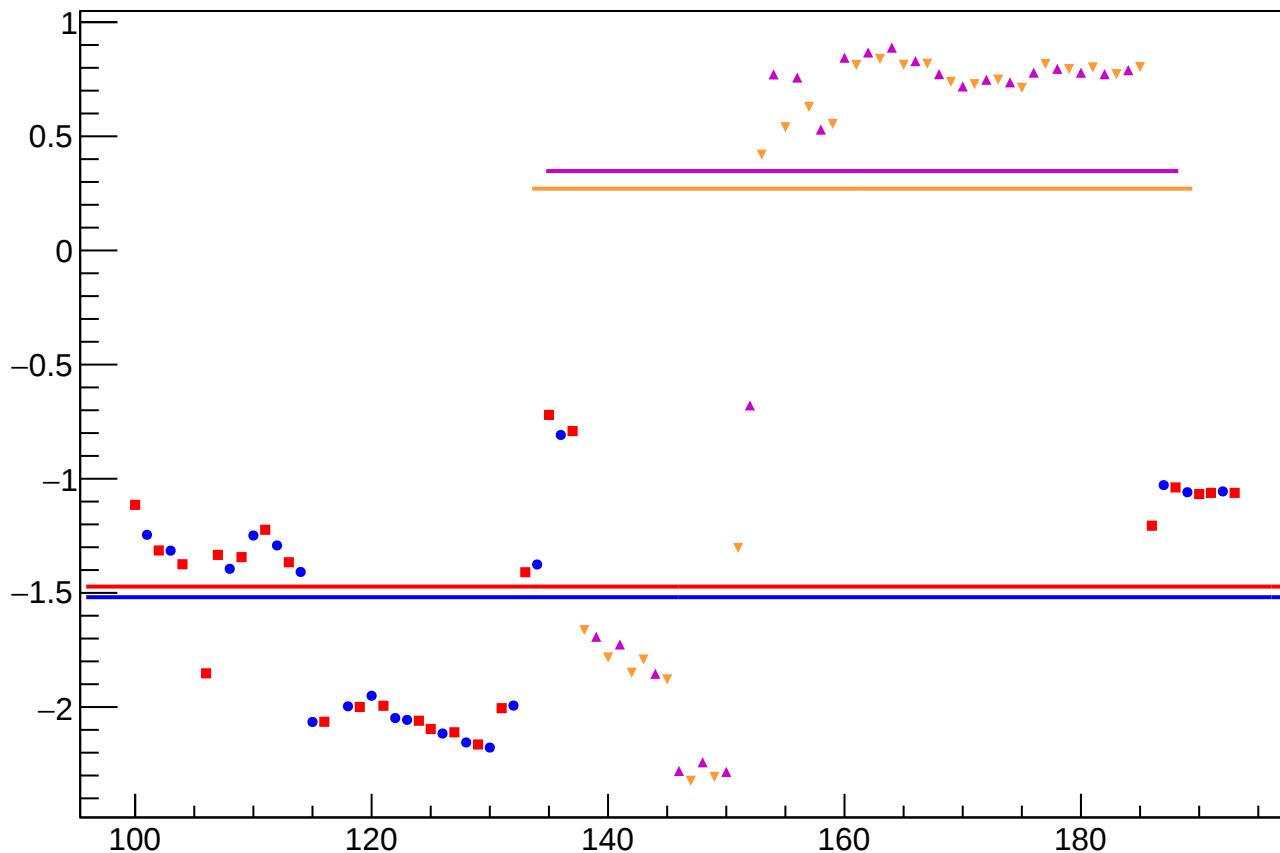
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1746653.6/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2674122.1/44

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5440741.9/91

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2763616.4/46

yield_bpm0i01Y_mean vs Slug



Right In: -1.519 ± 0.000 χ^2/NDF : 168583980188.5/19

Left Out: 0.271 ± 0.000 χ^2/NDF : 2583233987355.9/24

Right Out: -1.472 ± 0.000 χ^2/NDF : 158536248010.4/23

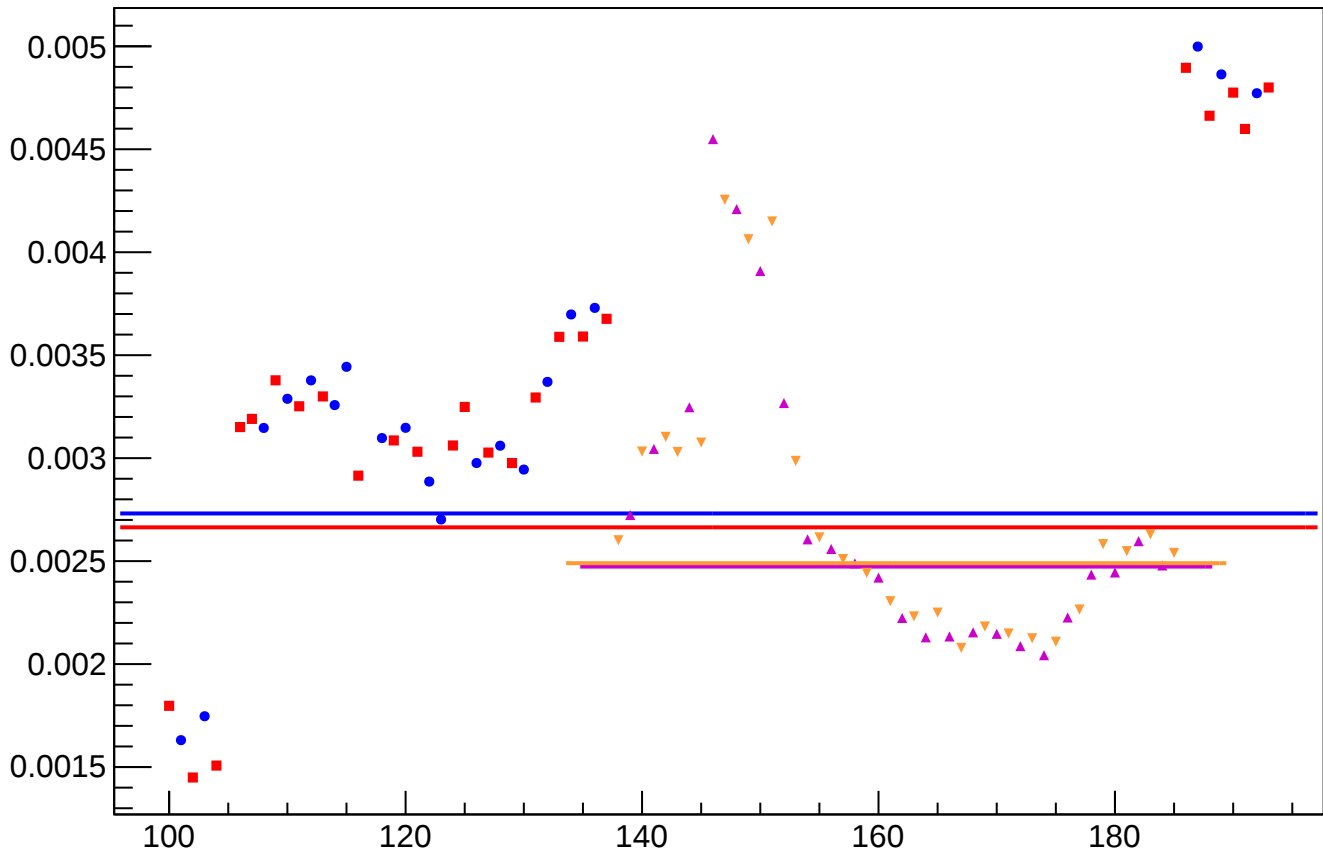
Left In: 0.348 ± 0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.192 ± 0.000 χ^2/NDF : 4921883277740.3/4

All: -0.197 ± 0.000 χ^2/NDF : 9845131268795

- sign -0.203 ± 0.000 χ^2/NDF : 4923016754894.2/4

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1613873.7/19

Left Out: 0.002+/-0.000 χ^2/NDF :1070282.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 2575595.6/23

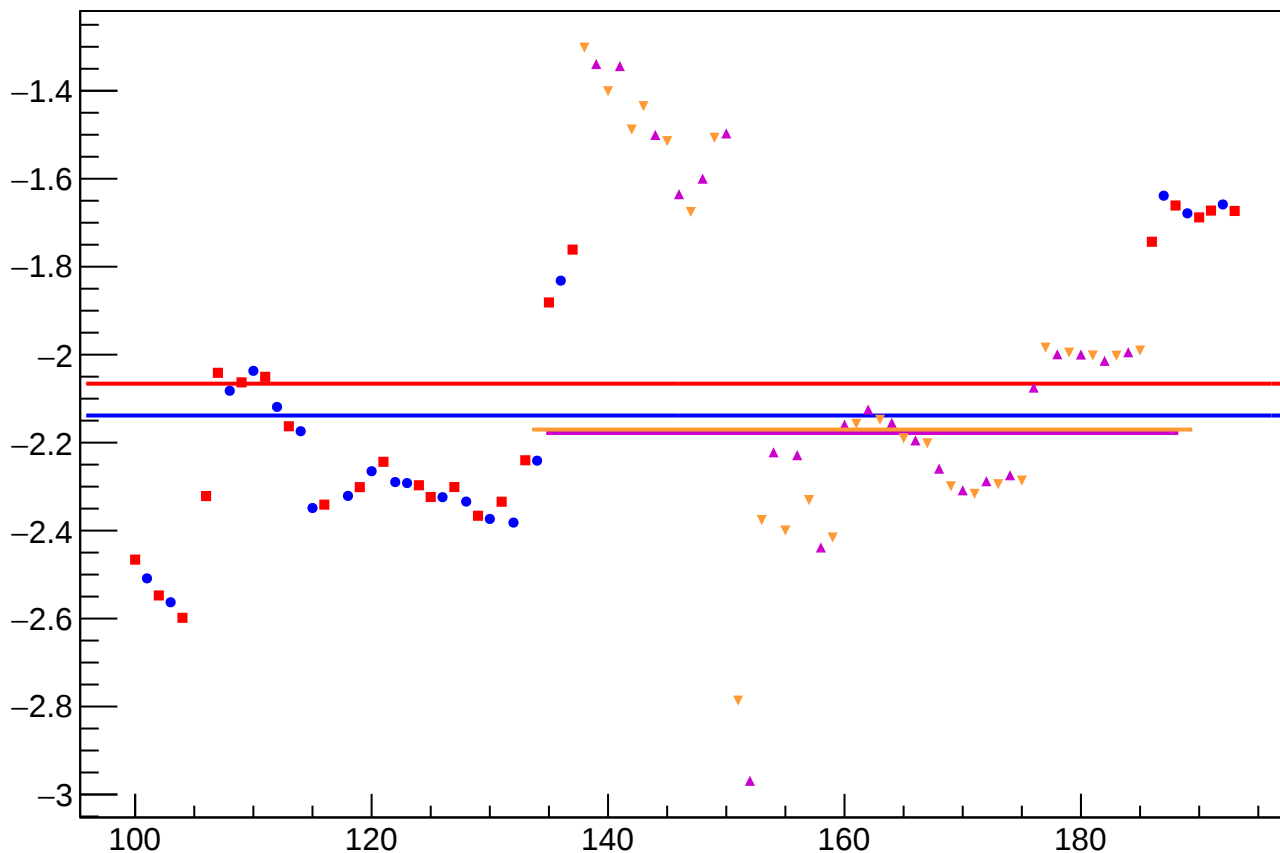
Left In: 0.002+/-0.000 χ^2/NDF :1135279.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 2763146.7/44

All: 0.003+/-0.000 χ^2/NDF : 6530262.1/91

- sign 0.003+/-0.000 χ^2/NDF : 3765507.0/46

yield_bpm0i01aX_mean vs Slug



Right In: -2.138+/-0.000 χ^2/NDF : 20905126031.8/19

Left Out: -2.170+/-0.000 χ^2/NDF : 59967315241.9/24

Right Out: -2.066+/-0.000 χ^2/NDF : 27596648165.9/23

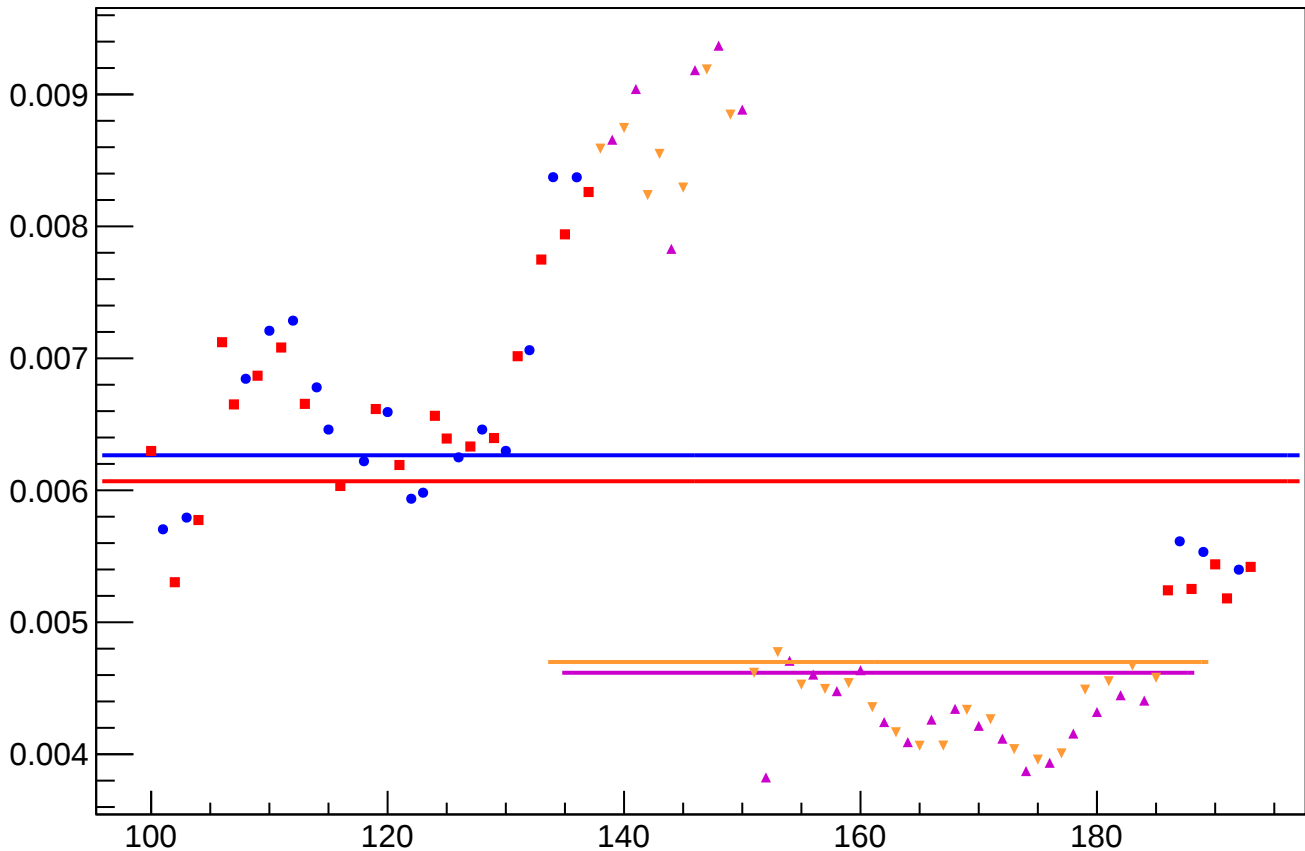
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.164+/-0.000 χ^2/NDF : 81033894389.0/44

All: -2.156+/-0.000 χ^2/NDF : 184476191059.2

- sign -2.149+/-0.000 χ^2/NDF : 103346177604.3/46

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 262928.3/19

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 327233.1/23

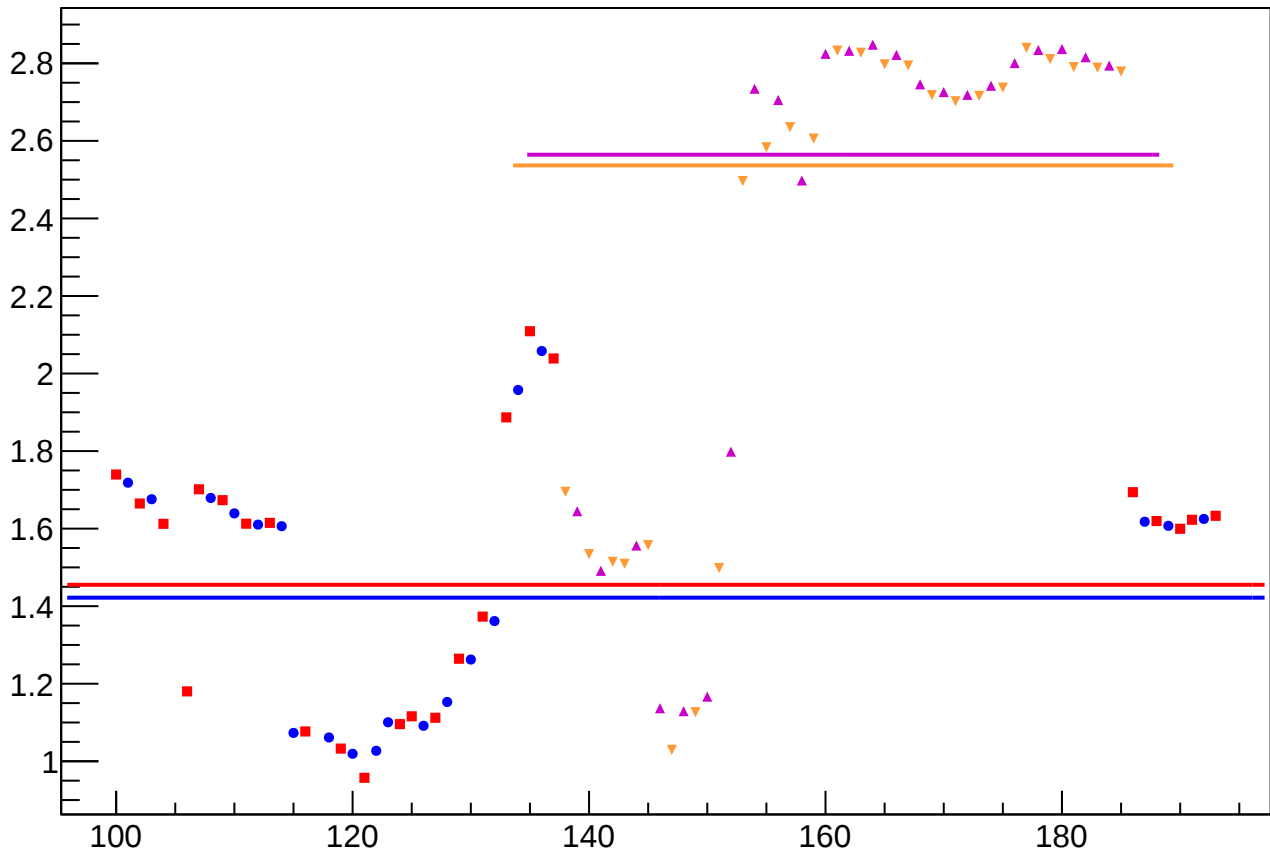
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3361683.9/44

All: 0.005+/-0.000 χ^2/NDF : 6844624.3/91

- sign 0.005+/-0.000 χ^2/NDF : 3481313.3/46

yield_bpm0i01aY_mean vs Slug



Right In: 1.422+/-0.000 χ^2/NDF : 173947833385.9/19

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.455+/-0.000 χ^2/NDF : 176240301336.6/23

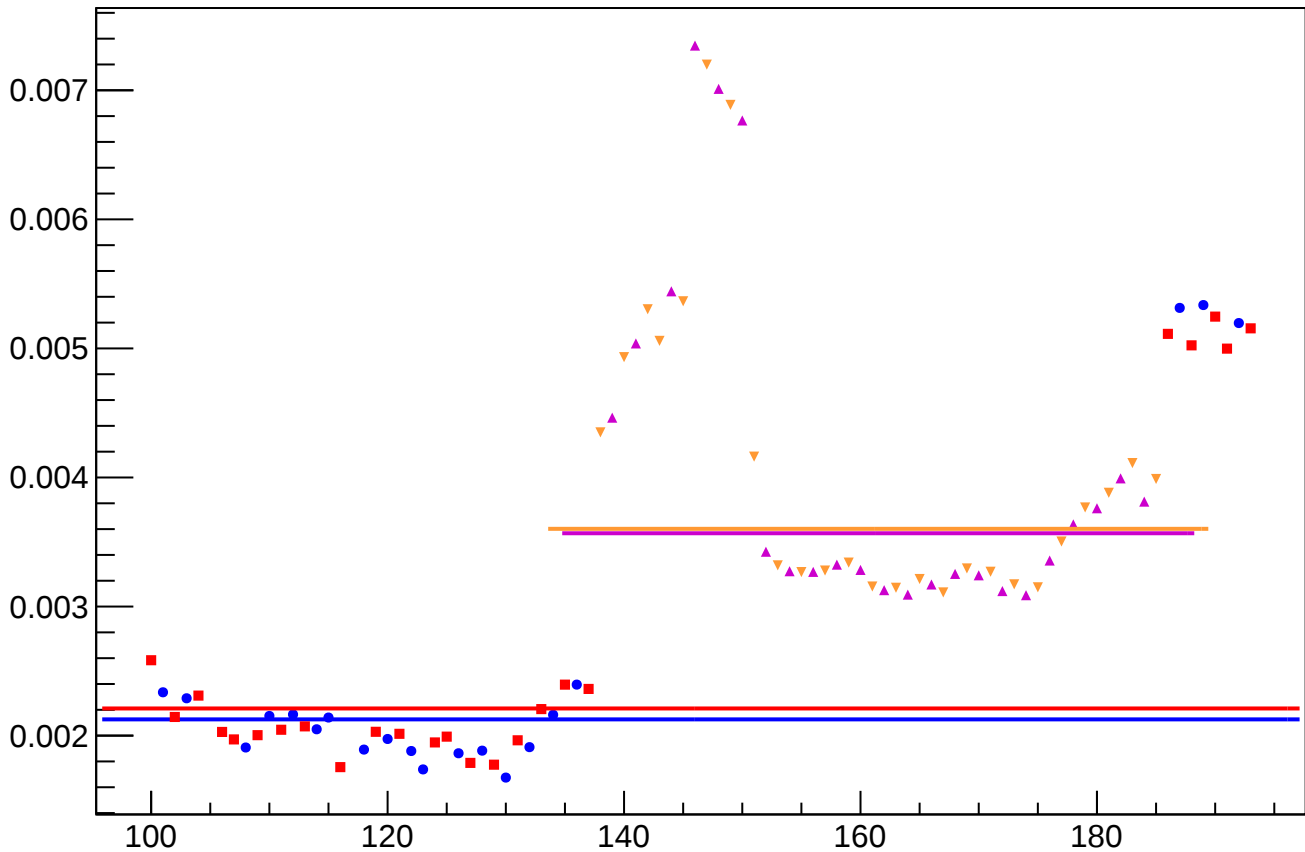
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.924+/-0.000 χ^2/NDF : 1323538020722.0/44

All: 1.924+/-0.000 χ^2/NDF : 2630157734706.

- sign 1.925+/-0.000 χ^2/NDF : 1306619299929.8/46

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1261449.1/19

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 1862134.1/23

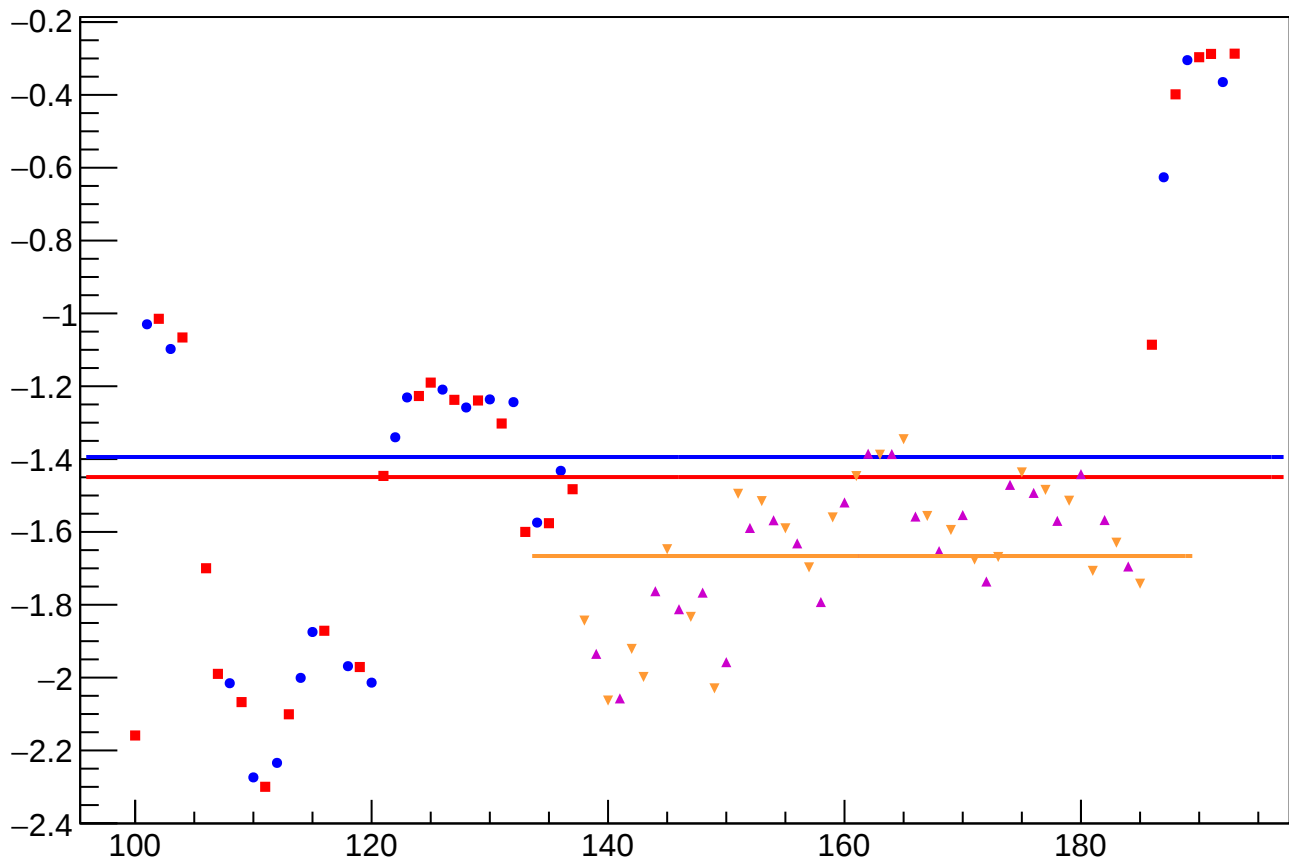
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 5758828.5/44

All: 0.003+/-0.000 χ^2/NDF : 11790971.3/91

- sign 0.003+/-0.000 χ^2/NDF : 6032042.8/46

yield_bpm0l01X_mean vs Slug



Right In: -1.394+/-0.000 χ^2/NDF : 38491765637.6/19

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -1.449+/-0.000 χ^2/NDF : 60061426410.2/23

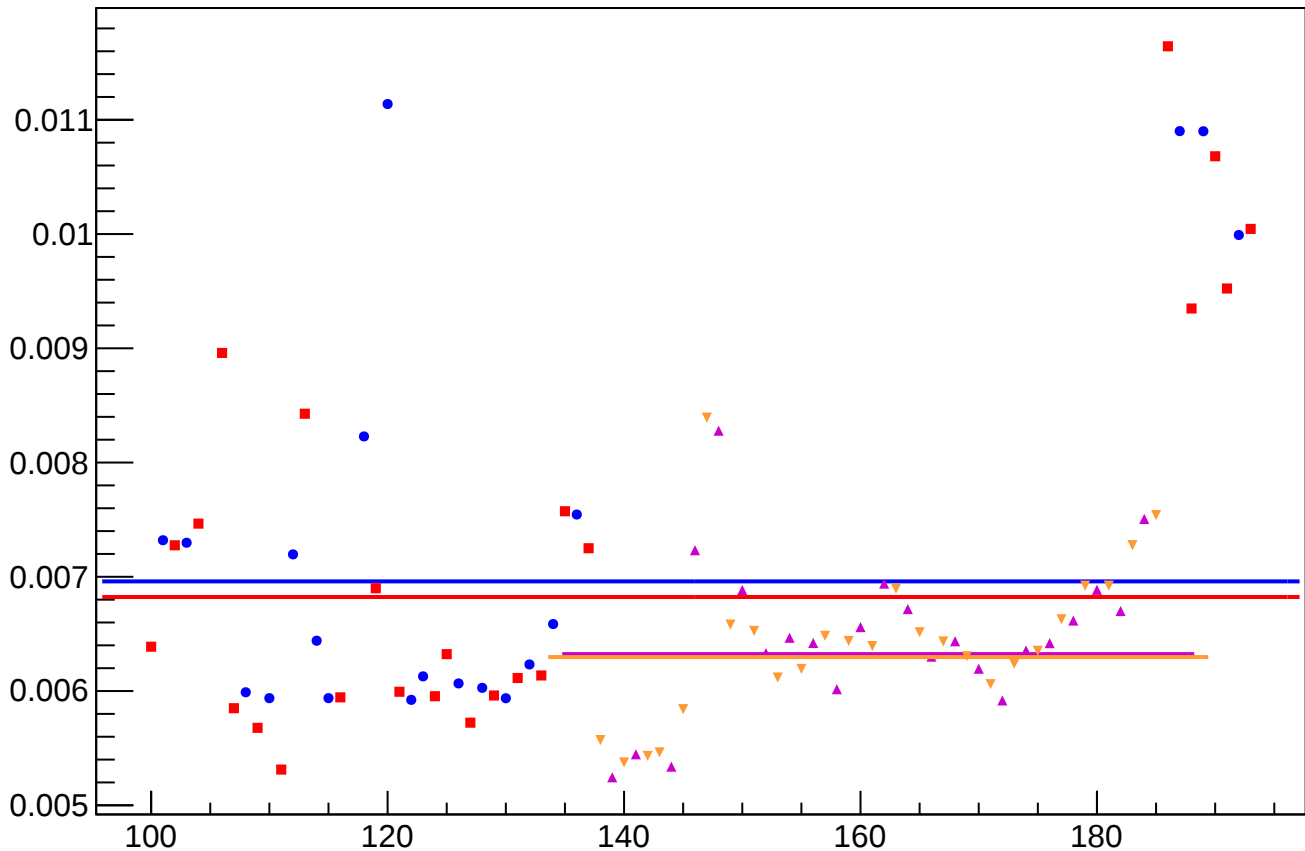
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.596+/-0.000 χ^2/NDF : 65167881077.2/44

All: -1.597+/-0.000 χ^2/NDF : 145583920066.4

- sign -1.598+/-0.000 χ^2/NDF : 80415370984.4/46

yield_bpm0l01X_rms vs Slug



Right In: 0.007 ± 0.000 χ^2/NDF : 578135.1/19

Left Out: 0.006 ± 0.000 χ^2/NDF : 310757.0/24

Right Out: 0.007 ± 0.000 χ^2/NDF : 816051.5/23

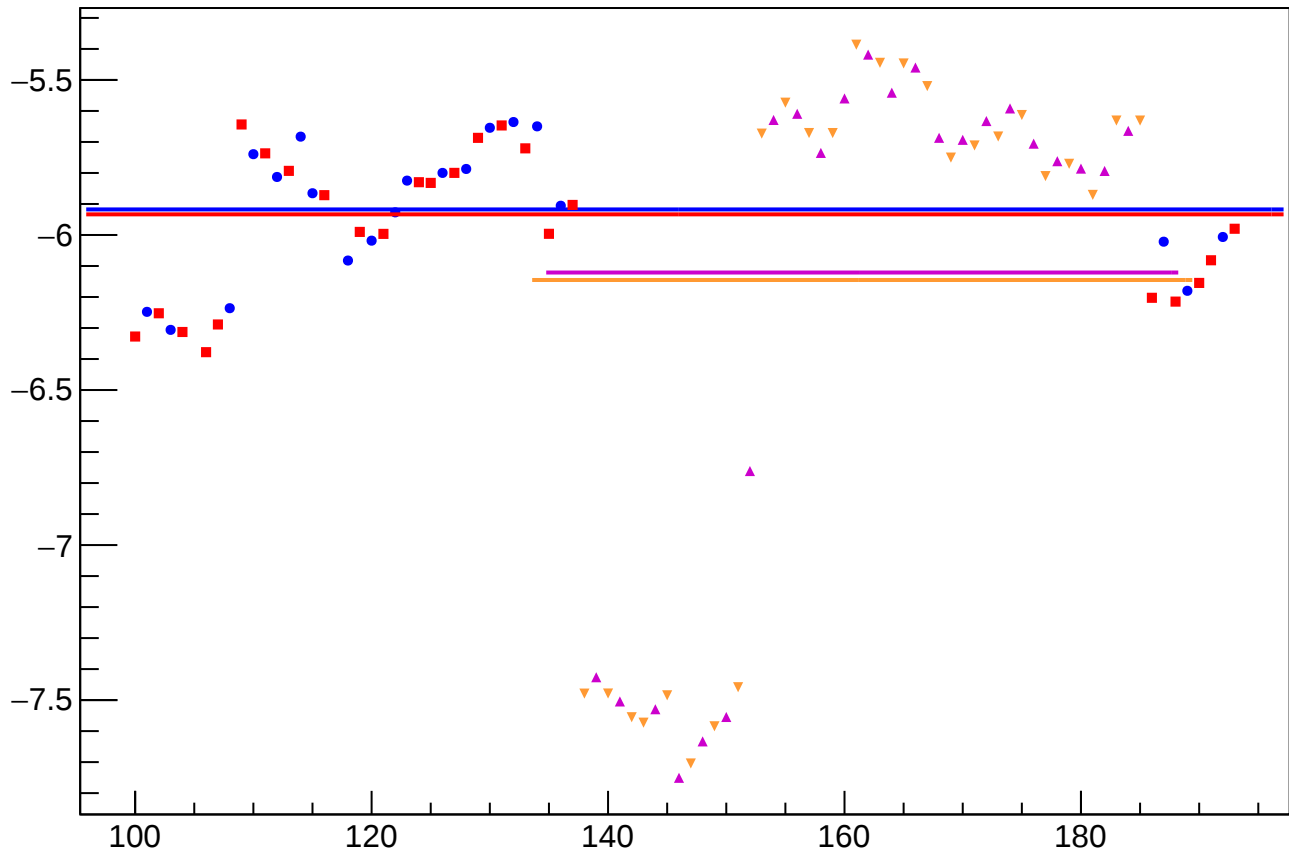
Left In: 0.006 ± 0.000 χ^2/NDF : 330859.7/22

+ sign 0.006 ± 0.000 χ^2/NDF : 988113.6/44

All: 0.006 ± 0.000 χ^2/NDF : 2199612.4/91

- sign 0.006 ± 0.000 χ^2/NDF : 1211393.1/46

yield_bpm0l01Y_mean vs Slug



Right In: -5.918+/-0.000 χ^2/NDF : 11395411220.6/19

Left Out: -6.145+/-0.000 χ^2/NDF : 185364150237.7/24

Right Out: -5.933+/-0.000 χ^2/NDF : 13616130668.4/23

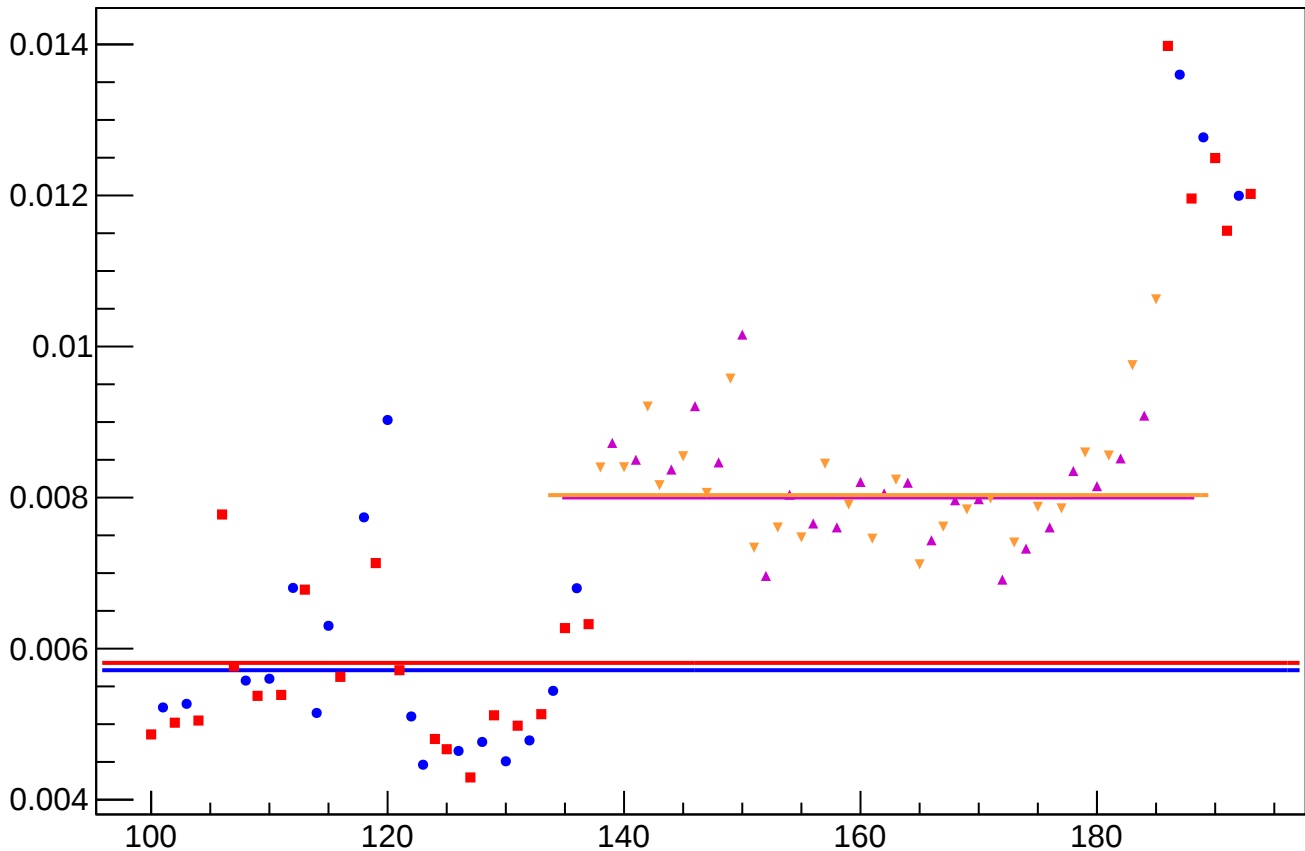
Left In: -6.121+/-0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.042+/-0.000 χ^2/NDF : 202769493650.7/44

All: -6.035+/-0.000 χ^2/NDF : 379017928837.8

- sign -6.029+/-0.000 χ^2/NDF : 176203576769.1/46

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1257579.6/19

Left Out: 0.008+/-0.000 χ^2/NDF : 205762.2/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1708906.8/23

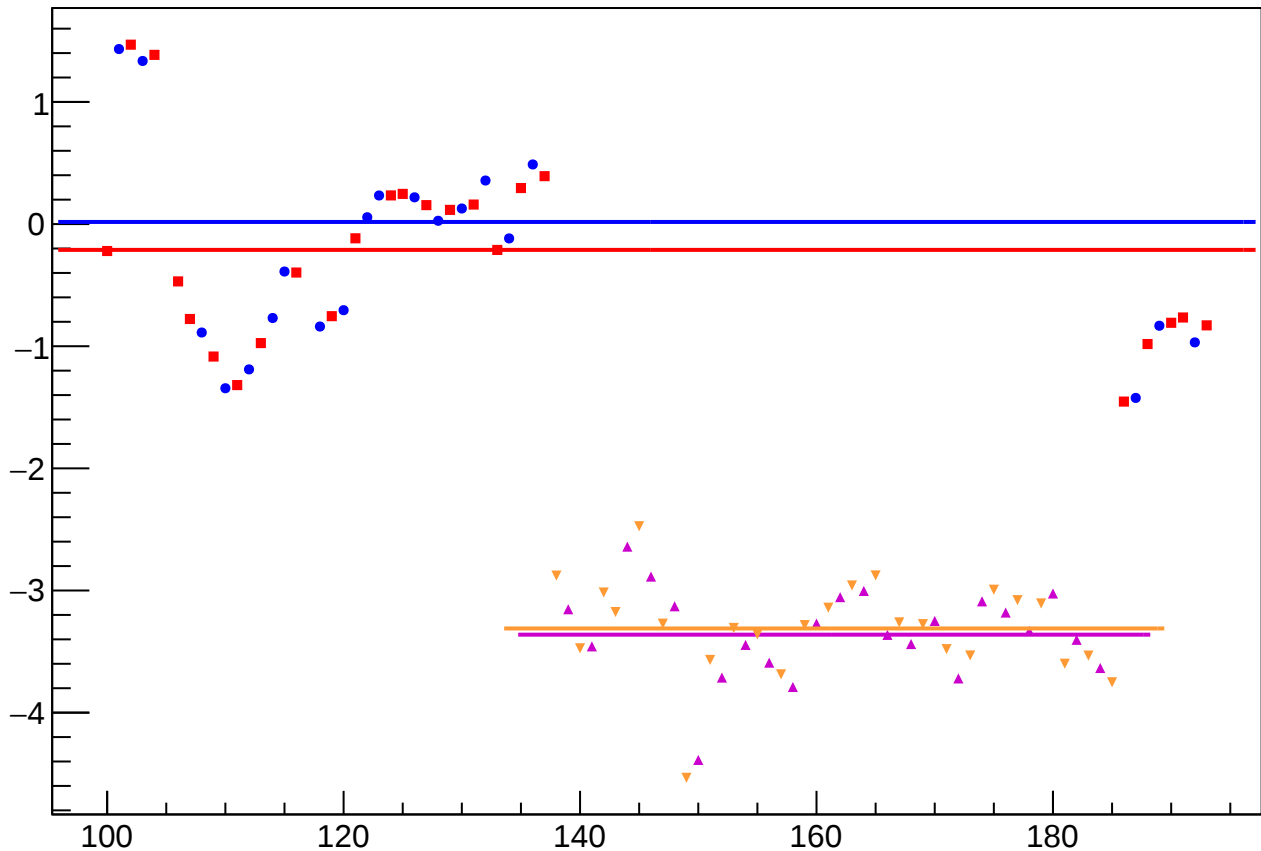
Left In: 0.008+/-0.000 χ^2/NDF : 220756.1/22

+ sign 0.007+/-0.000 χ^2/NDF : 2710589.8/44

All: 0.007+/-0.000 χ^2/NDF : 5806896.4/91

- sign 0.007+/-0.000 χ^2/NDF : 3094409.8/46

yield_bpm0l02X_mean vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 21794442260.0/19

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.211+/-0.000 χ^2/NDF : 26899406695.1/23

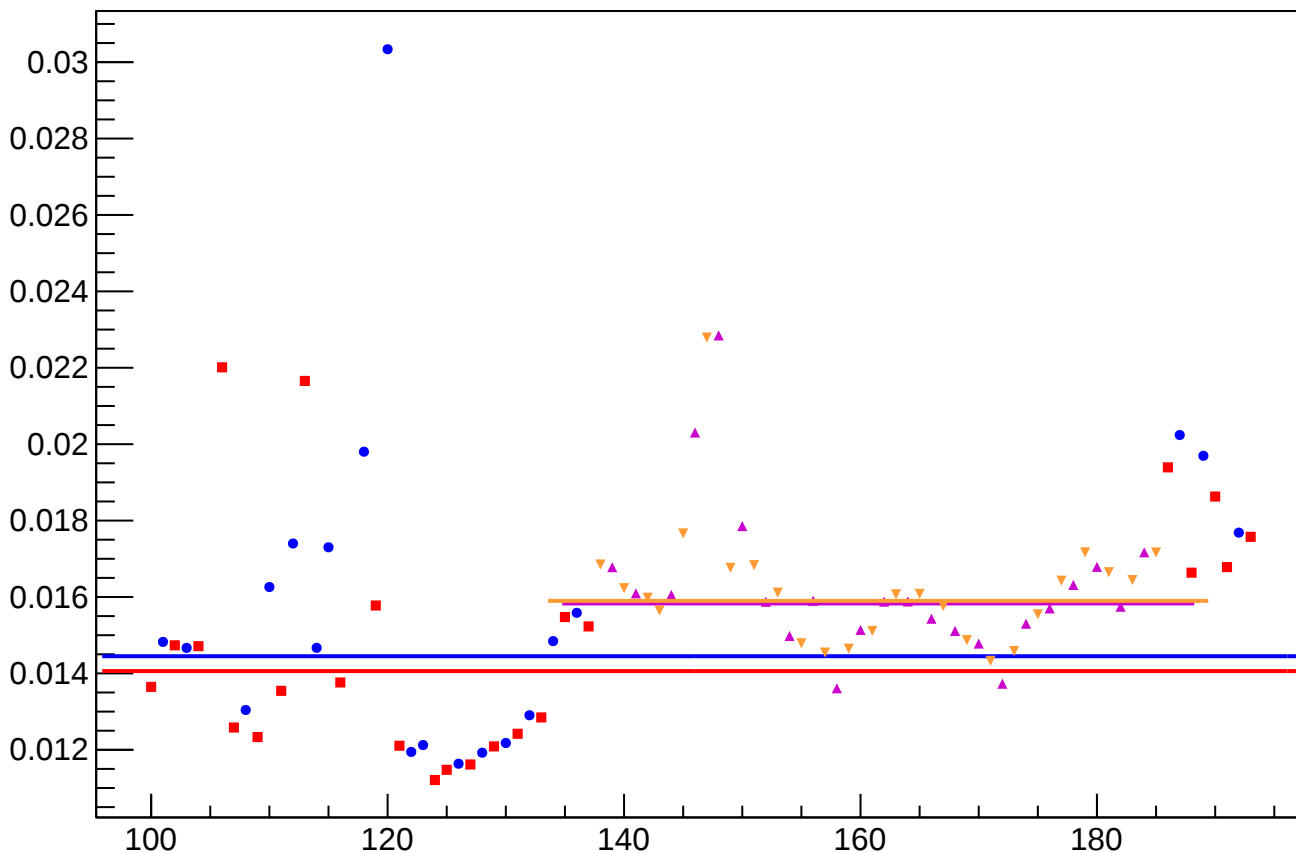
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.204+/-0.000 χ^2/NDF : 288868903324.7/44

All: -2.149+/-0.000 χ^2/NDF : 588613866010.7

- sign -2.097+/-0.000 χ^2/NDF : 299128778047.6/46

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 565129.2/19

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.014+/-0.000 χ^2/NDF : 536462.0/23

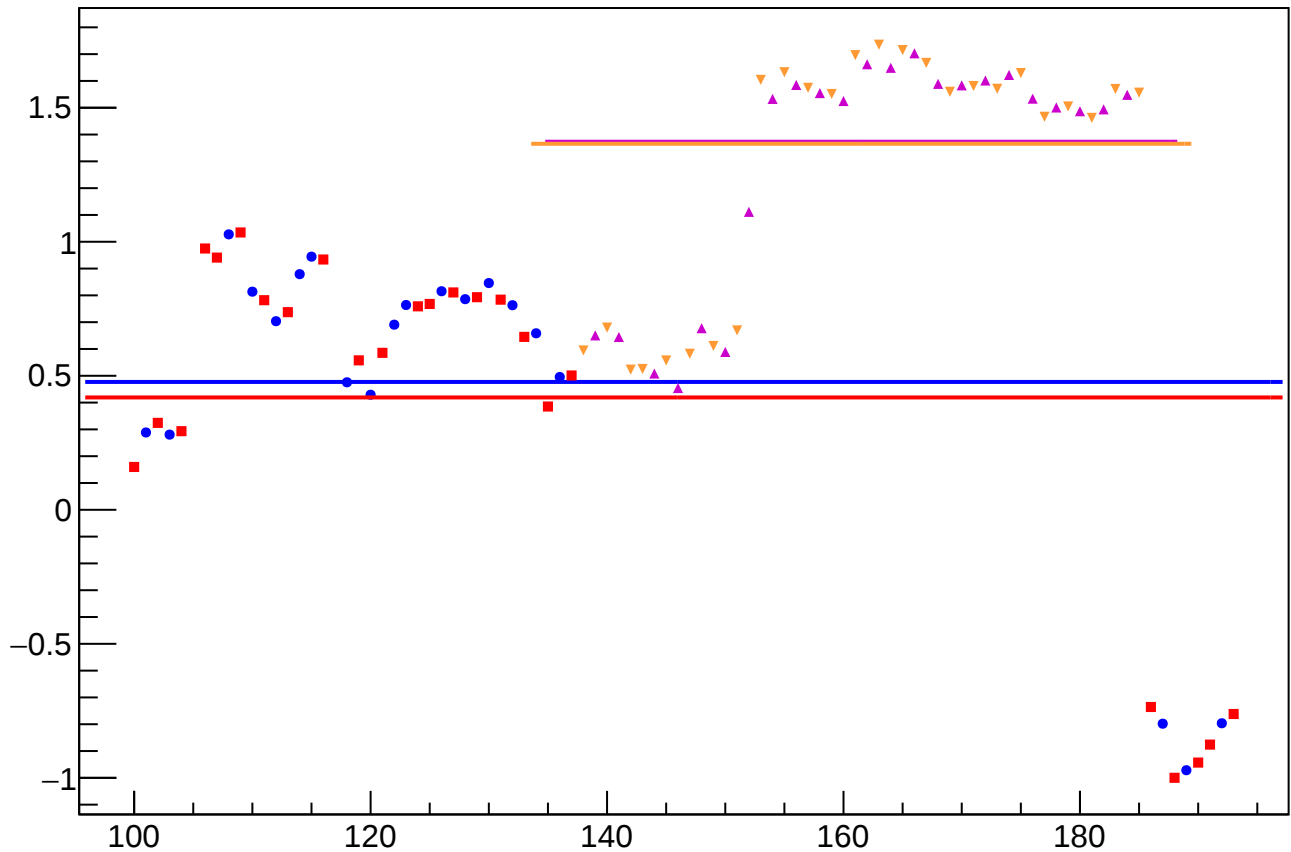
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.015+/-0.000 χ^2/NDF : 914696.6/44

All: 0.015+/-0.000 χ^2/NDF : 1966825.7/91

- sign 0.015+/-0.000 χ^2/NDF : 1042670.3/46

yield_bpm0l02Y_mean vs Slug



Right In: 0.477 $\pm$ 0.000 χ^2 /NDF: 25054763984.8/19

Left Out: 1.366 $\pm$ 0.000 χ^2 /NDF: 74741956067.9/24

Right Out: 0.419 $\pm$ 0.000 χ^2 /NDF: 40472482658.2/23

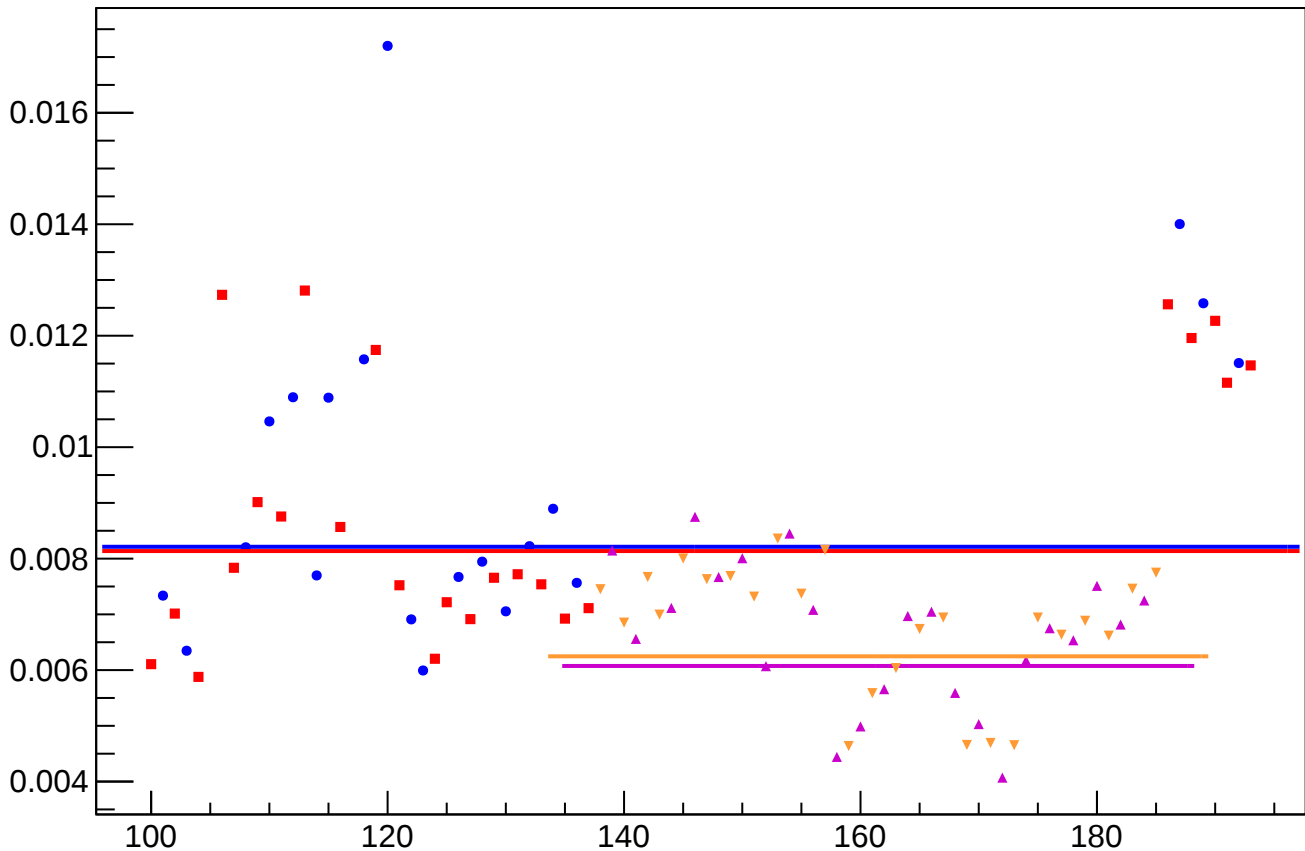
Left In: 1.373 $\pm$ 0.000 χ^2 /NDF: 63413151416.3/22

+ sign 1.190 $\pm$ 0.000 χ^2 /NDF: 166350710252.8/44

All: 1.172 $\pm$ 0.000 χ^2 /NDF: 359144001395.3

- sign 1.156 $\pm$ 0.000 χ^2 /NDF: 192482768435.8/46

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 796526.6/19

Left Out: 0.006+/-0.000 χ^2/NDF :1330867.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1003108.2/23

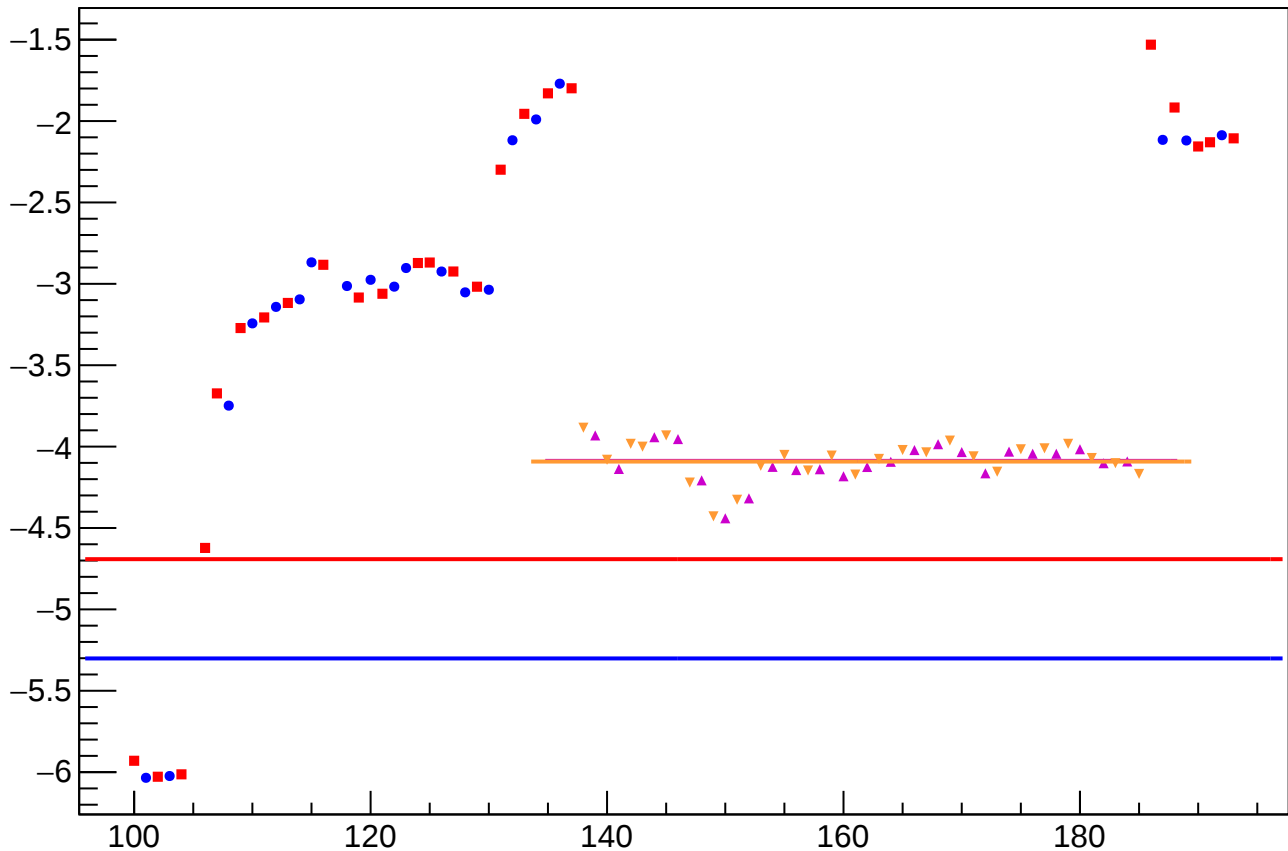
Left In: 0.006+/-0.000 χ^2/NDF :1431986.5/22

+ sign 0.007+/-0.000 χ^2/NDF : 2778835.2/44

All: 0.007+/-0.000 χ^2/NDF : 6046250.4/91

- sign 0.007+/-0.000 χ^2/NDF : 3262797.3/46

yield_bpm0l03X_mean vs Slug



Right In: -5.301+/-0.000 χ^2/NDF : 131097864217.2/19

Left Out: -4.092+/-0.000 χ^2/NDF : 39806766.7/24

Right Out: -4.692+/-0.000 χ^2/NDF : 198455288443.2/23

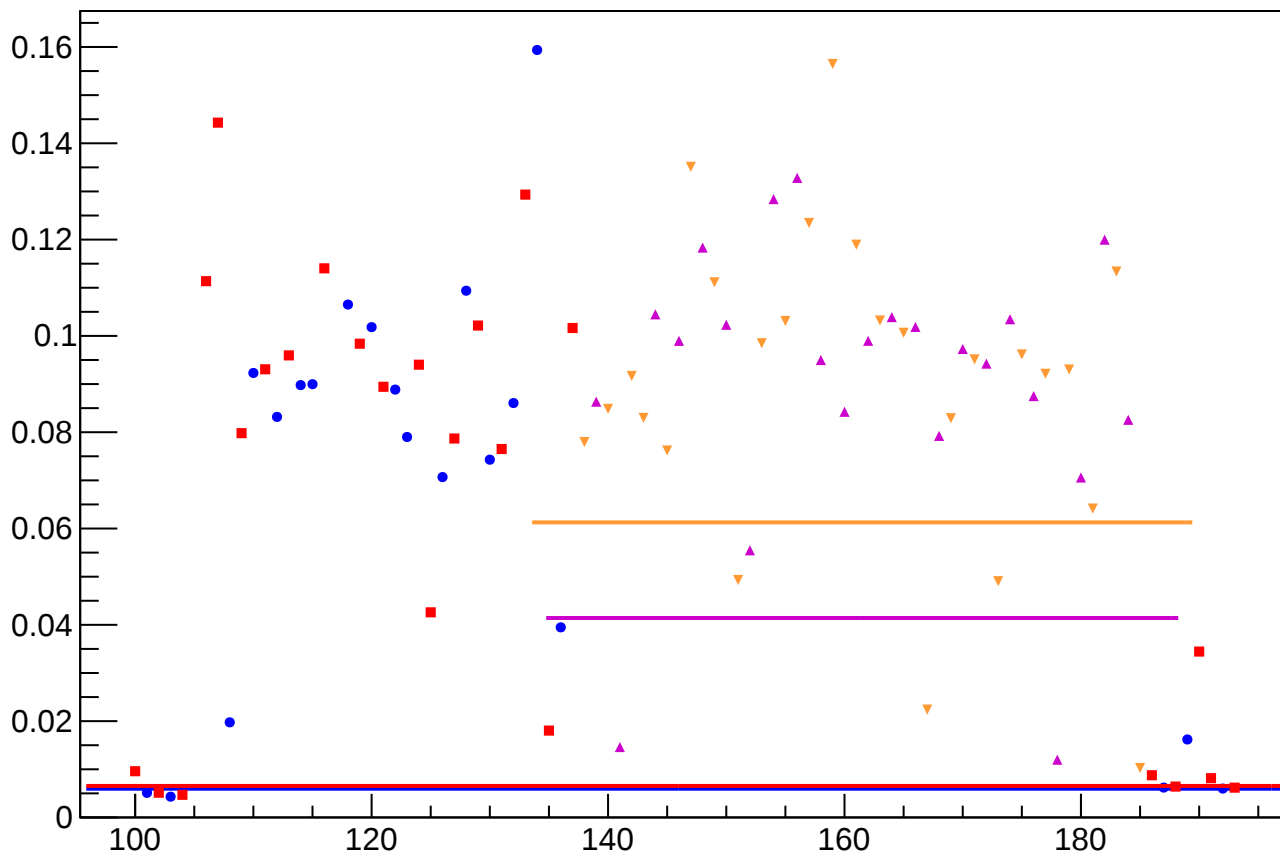
Left In: -4.088+/-0.000 χ^2/NDF : 34412880.7/22

+ sign -5.242+/-0.000 χ^2/NDF : 135244825550.1/44

All: -4.946+/-0.000 χ^2/NDF : 345698211360.3

- sign -4.648+/-0.000 χ^2/NDF : 199933284110.2/46

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7989230.2/19

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 8671409.5/23

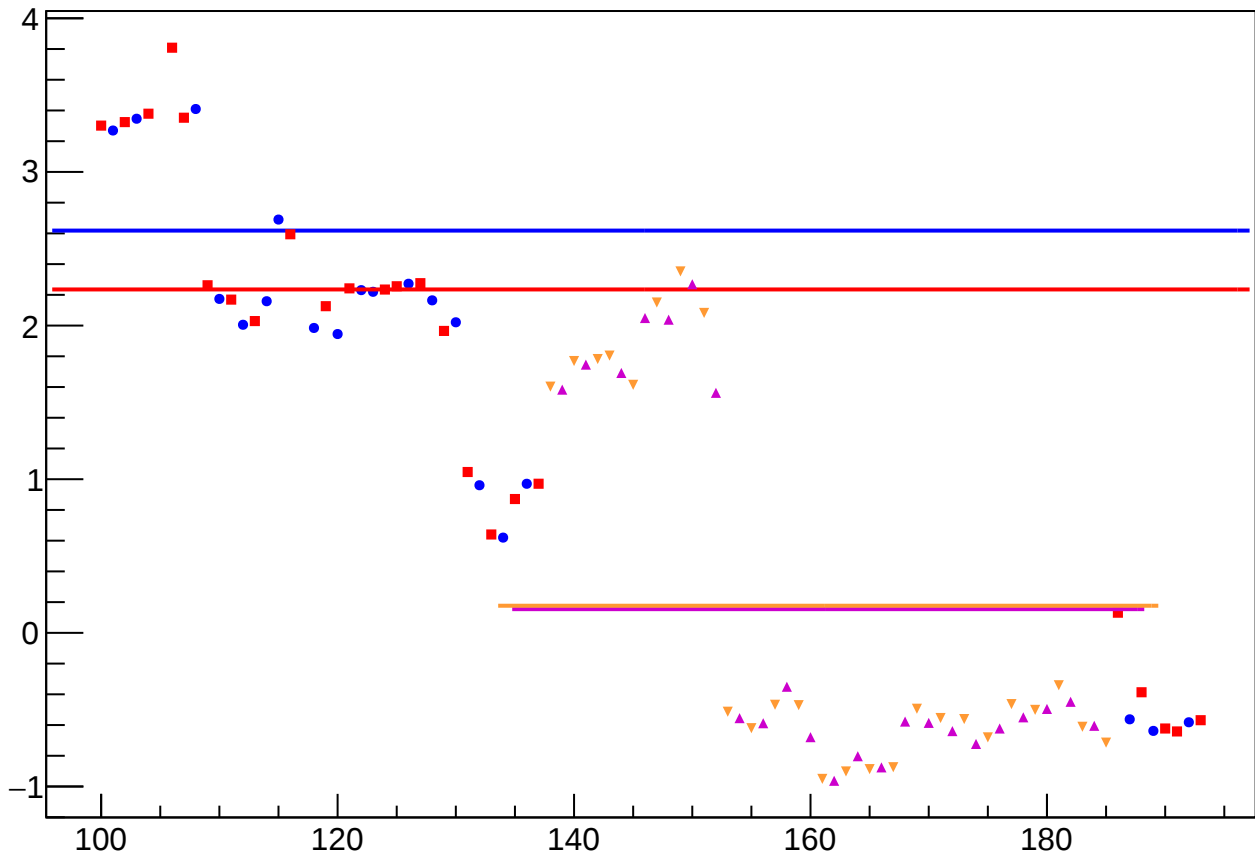
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 33515598.9/44

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 64953855.2/91

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 31431493.3/46

yield_bpm0l03Y_mean vs Slug



Right In: 2.618 $\pm$ 0.000 χ^2 /NDF: 73785622868.1/19

Left Out: 0.177 $\pm$ 0.000 χ^2 /NDF:3275313367.7/24

Right Out: 2.235 $\pm$ 0.000 χ^2 /NDF: 108111451278.9/23

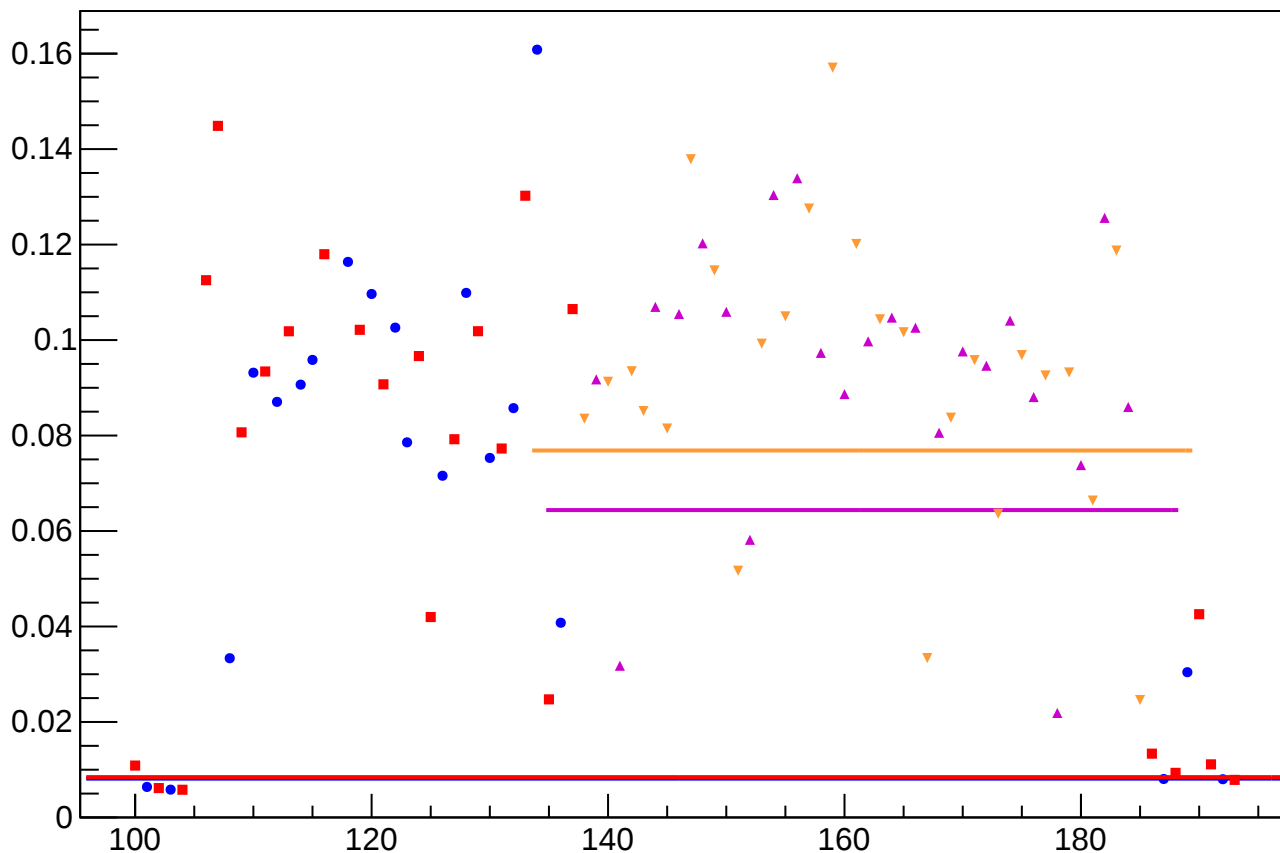
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF:3163553595.0/22

+ sign 2.468 $\pm$ 0.000 χ^2 /NDF: 89743980317.1/44

All: 2.277 $\pm$ 0.000 χ^2 /NDF: 214045832794.9

- sign 2.099 $\pm$ 0.000 χ^2 /NDF: 121712930464.1/46

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7891539.5/19

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:4217954.3/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8560229.3/23

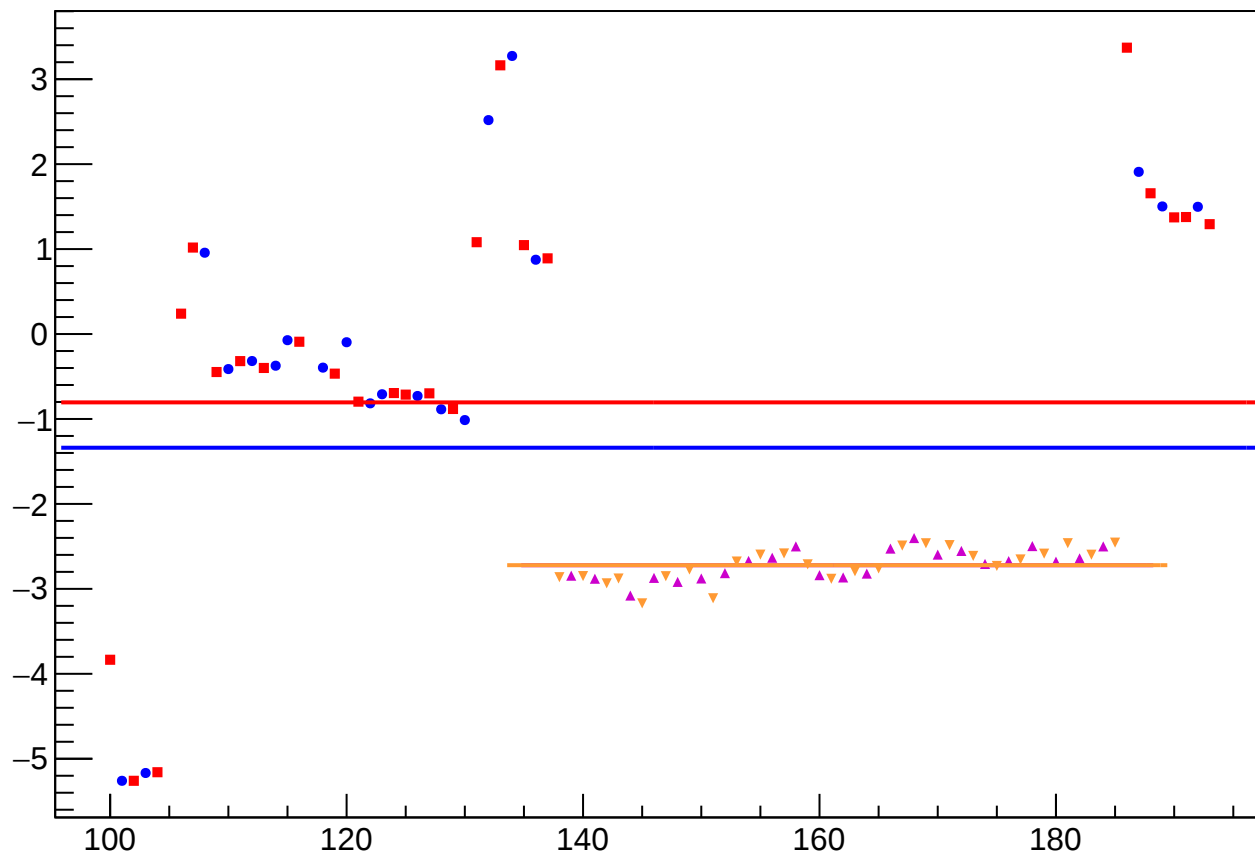
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32209697.3/44

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 62851184.9/91

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 30638742.9/46

yield_bpm0l04X_mean vs Slug



Right In: -1.338 ± 0.000 χ^2/NDF : 193400907073.2/19

Left Out: -2.721 ± 0.000 χ^2/NDF : 10397156971.6/24

Right Out: -0.805 ± 0.000 χ^2/NDF : 218871077456.1/23

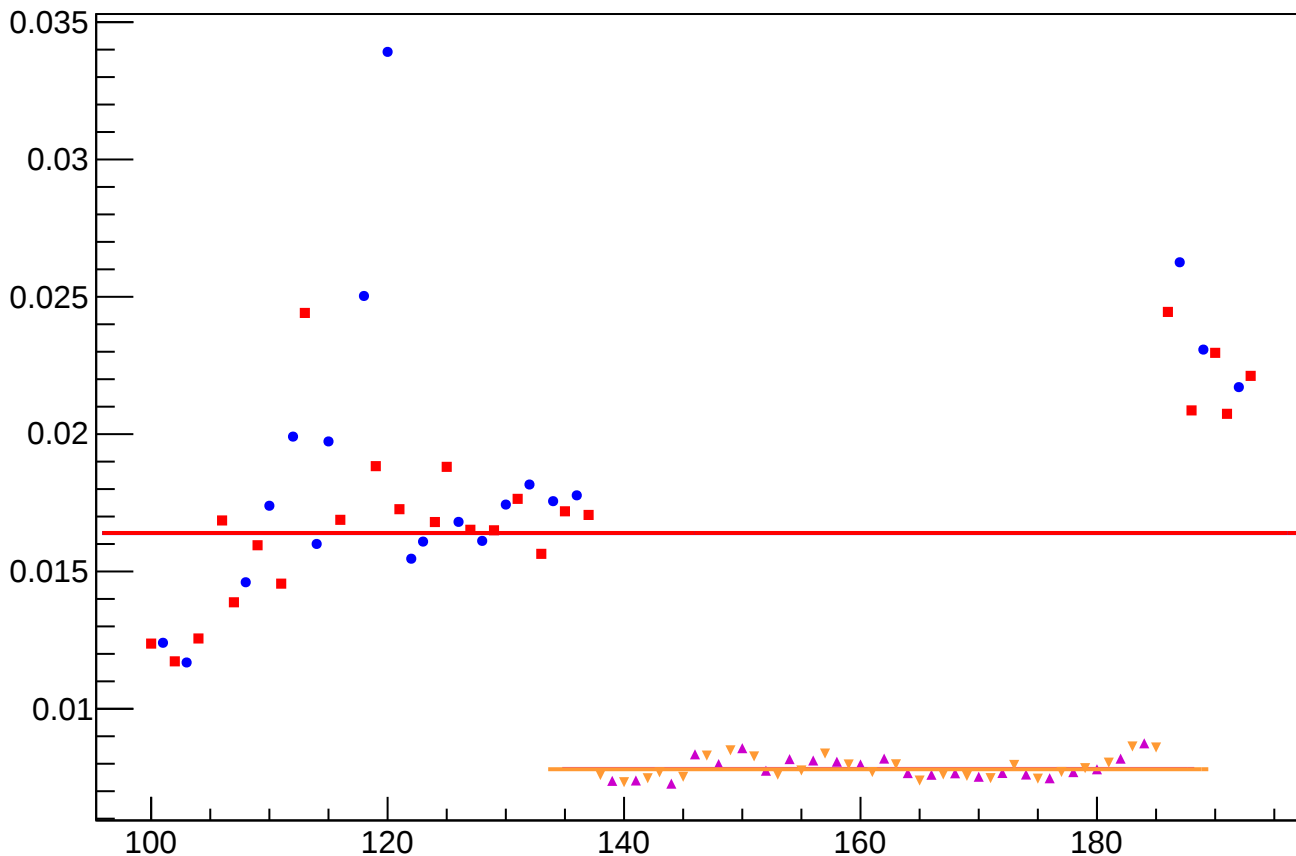
Left In: -2.722 ± 0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.608 ± 0.000 χ^2/NDF : 249163621506.6/44

All: -2.567 ± 0.000 χ^2/NDF : 581194476109.7

- sign -2.524 ± 0.000 χ^2/NDF : 330920125312.6/46

yield_bpm0l04X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 824326.2/19

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 71164.4/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 732489.9/23

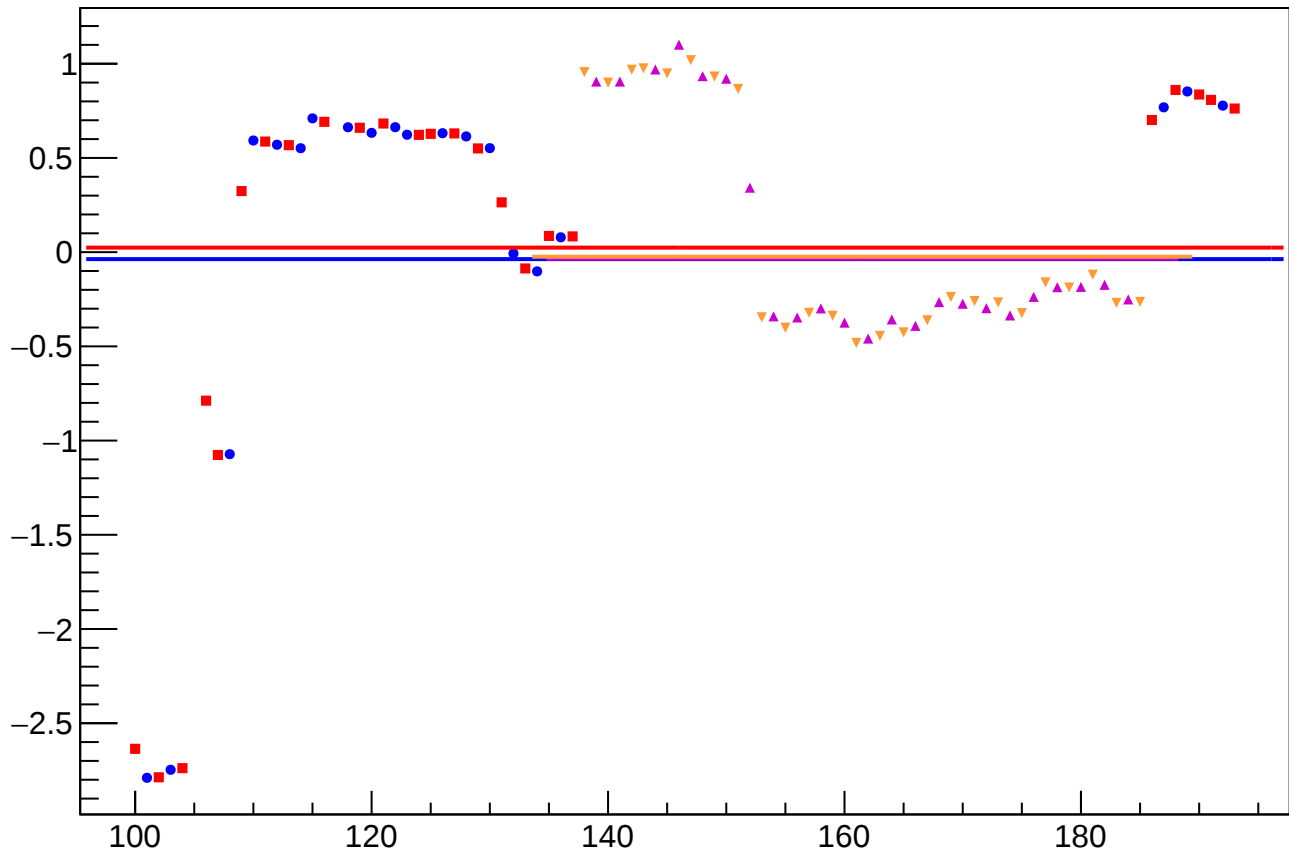
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 4403058.7/44

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 9387803.0/91

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 4972753.2/46

yield_bpm0l04Y_mean vs Slug



Right In: -0.037+/-0.000 χ^2/NDF : 764259515255.9/19

Left Out: -0.024+/-0.000 χ^2/NDF :135451649275.0/24

Right Out: 0.024+/-0.000 χ^2/NDF : 839627719541.6/23

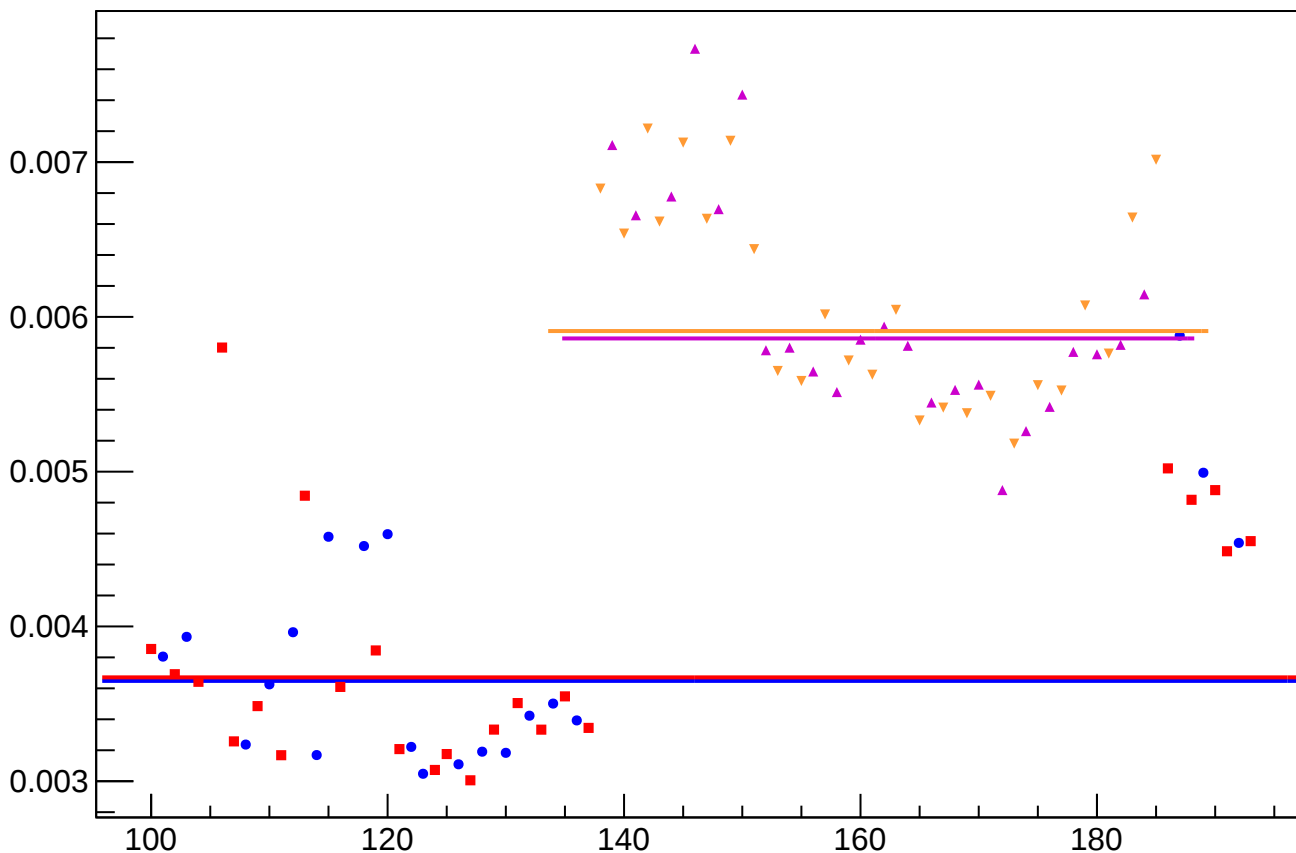
Left In: -0.034+/-0.000 χ^2/NDF :113929060918.1/22

+ sign -0.031+/-0.000 χ^2/NDF : 899754366367.8/44

All: -0.015+/-0.000 χ^2/NDF : 185478022327

- sign 0.000+/-0.000 χ^2/NDF : 954493224068.0/46

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 363048.2/19

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 517289.7/23

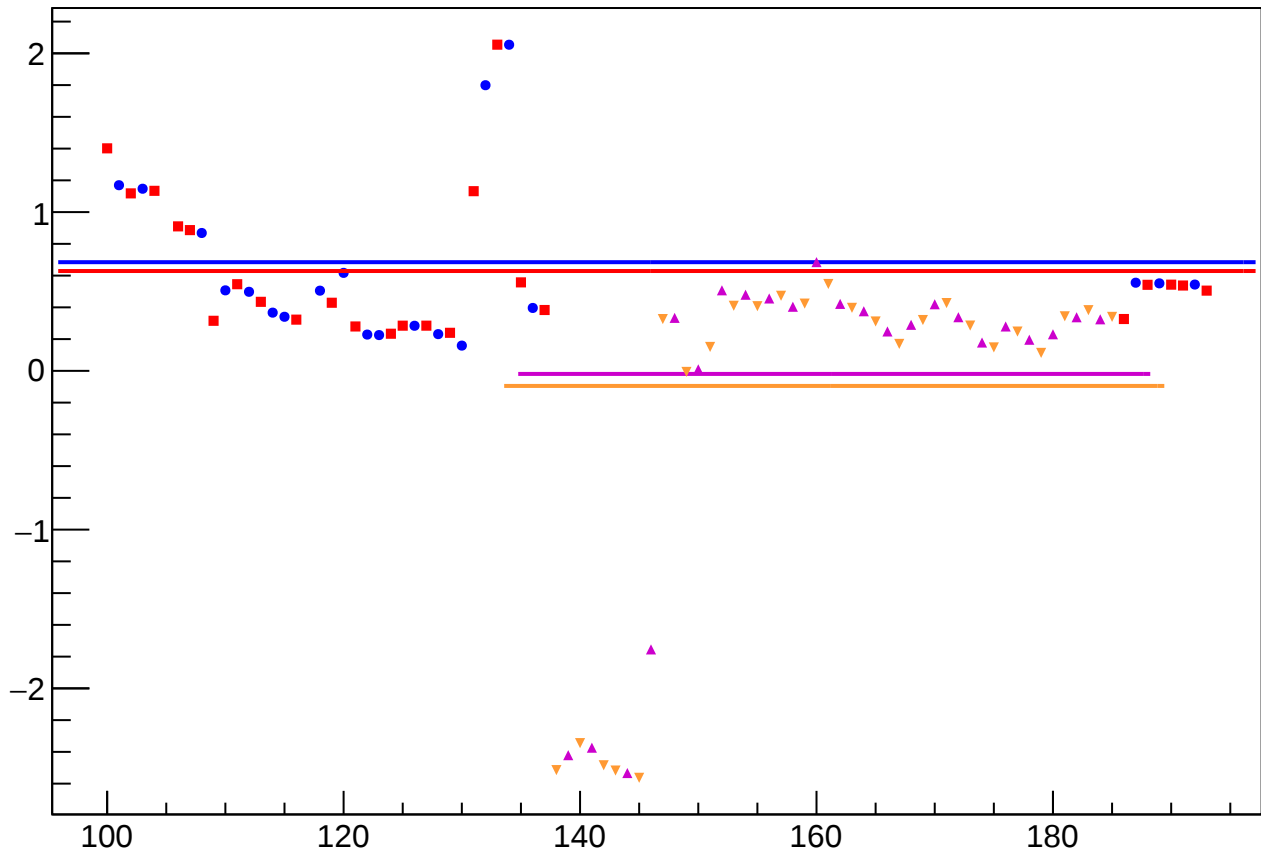
Left In: 0.006 $\pm$ 0.000 χ^2/NDF : 364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2/NDF : 3358170.9/44

All: 0.005 $\pm$ 0.000 χ^2/NDF : 6882746.9/91

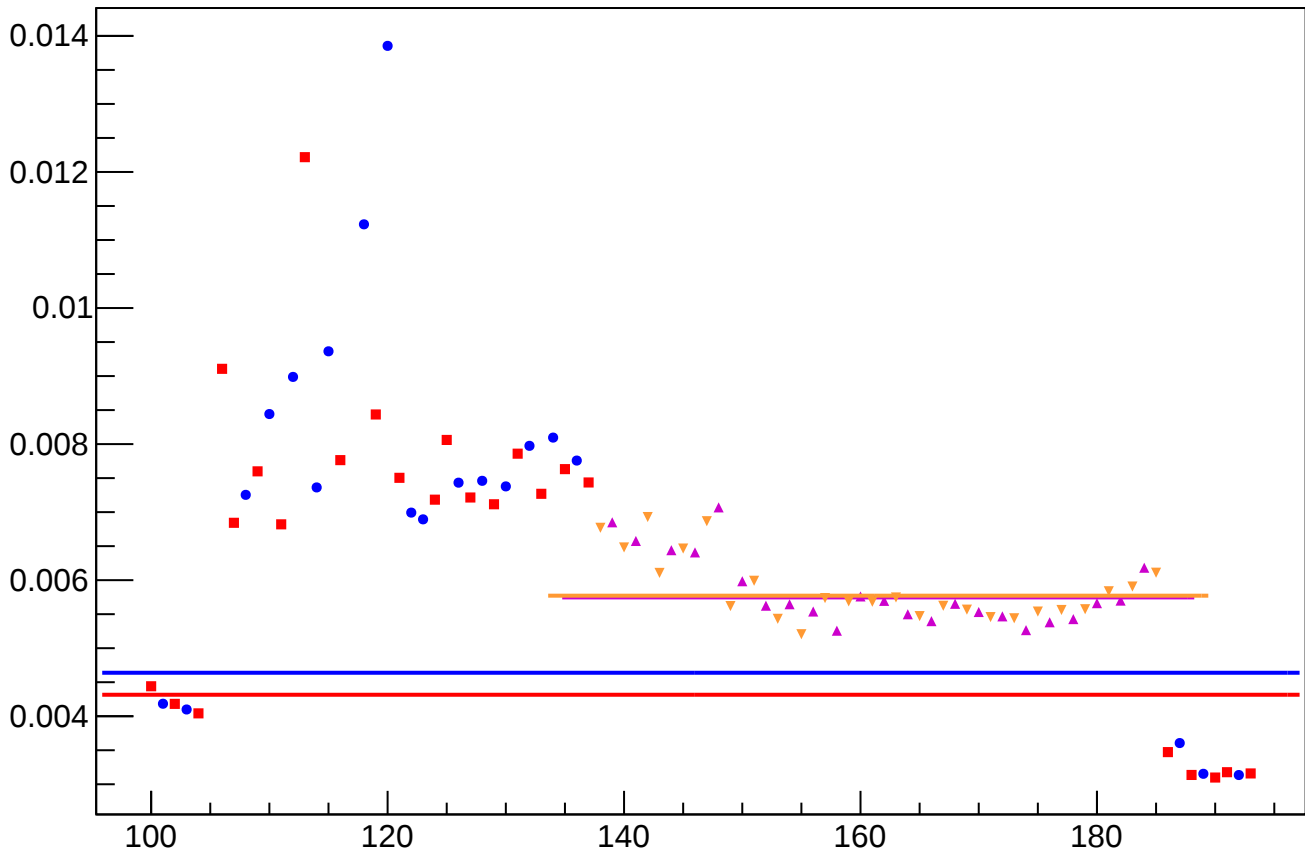
- sign 0.005 $\pm$ 0.000 χ^2/NDF : 3511564.8/46

yield_bpm0l05X_mean vs Slug



Right In: 0.685+/-0.000	χ^2/NDF : 37337248713.5/19	+ sign 0.183+/-0.000	χ^2/NDF : 654465241997.2/44
Left Out: -0.095+/-0.000	χ^2/NDF : 505606573631.9/24	All: 0.230+/-0.000	χ^2/NDF : 1212470879368.
Right Out: 0.629+/-0.000	χ^2/NDF : 44558539415.0/23	- sign 0.271+/-0.000	χ^2/NDF : 554675714469.4/46
Left In: -0.019+/-0.000	χ^2/NDF : 417104863944.5/22		

yield_bpm0l05X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2507954.6/19

Left Out: 0.006+/-0.000 χ^2/NDF :177680.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 2720724.3/23

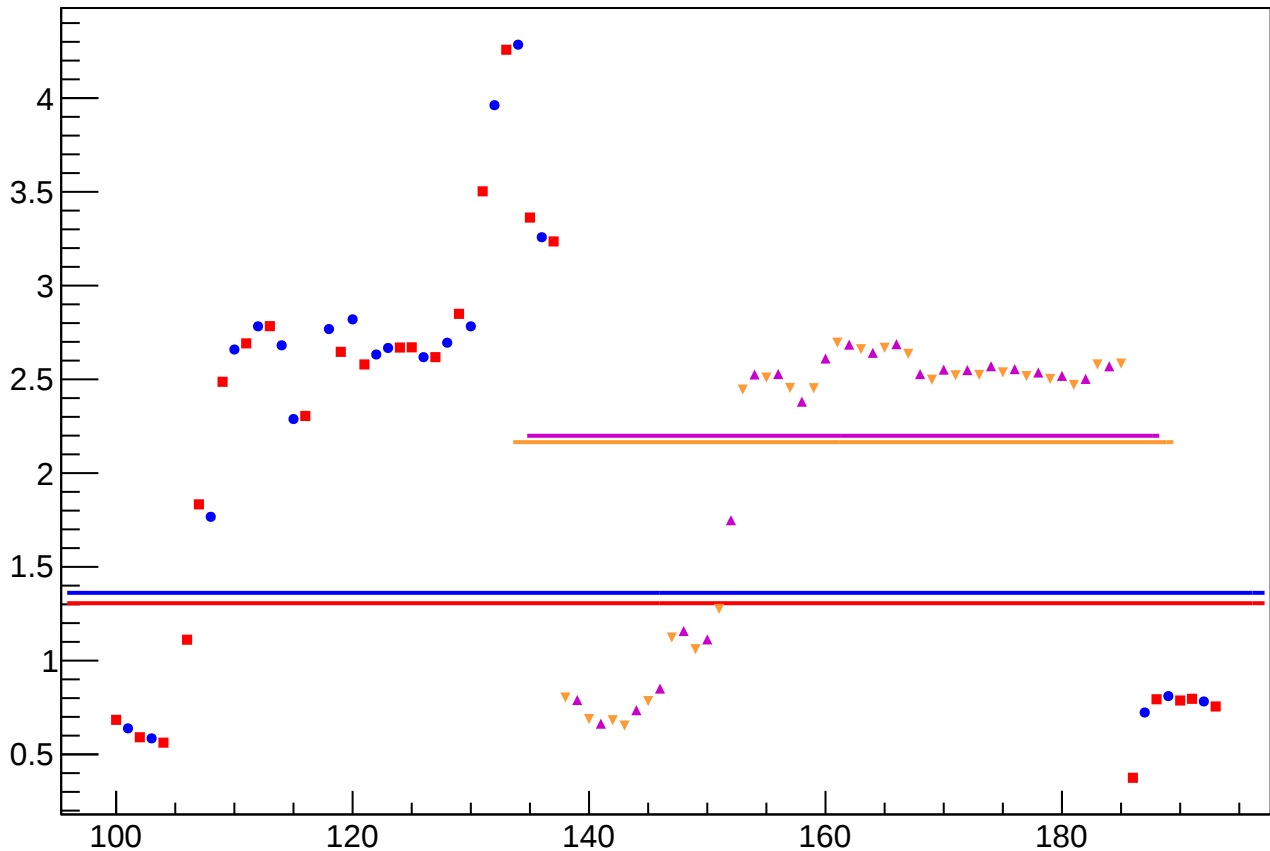
Left In: 0.006+/-0.000 χ^2/NDF :204066.4/22

+ sign 0.005+/-0.000 χ^2/NDF : 3156768.0/44

All: 0.005+/-0.000 χ^2/NDF : 7046659.5/91

- sign 0.005+/-0.000 χ^2/NDF : 3831062.4/46

yield_bpm0l05Y_mean vs Slug



Right In: 1.361+/-0.000 χ^2/NDF : 232870061536.2/19

Left Out: 2.165+/-0.000 χ^2/NDF : 292800056899.6/24

Right Out: 1.306+/-0.000 χ^2/NDF : 287127161000.0/23

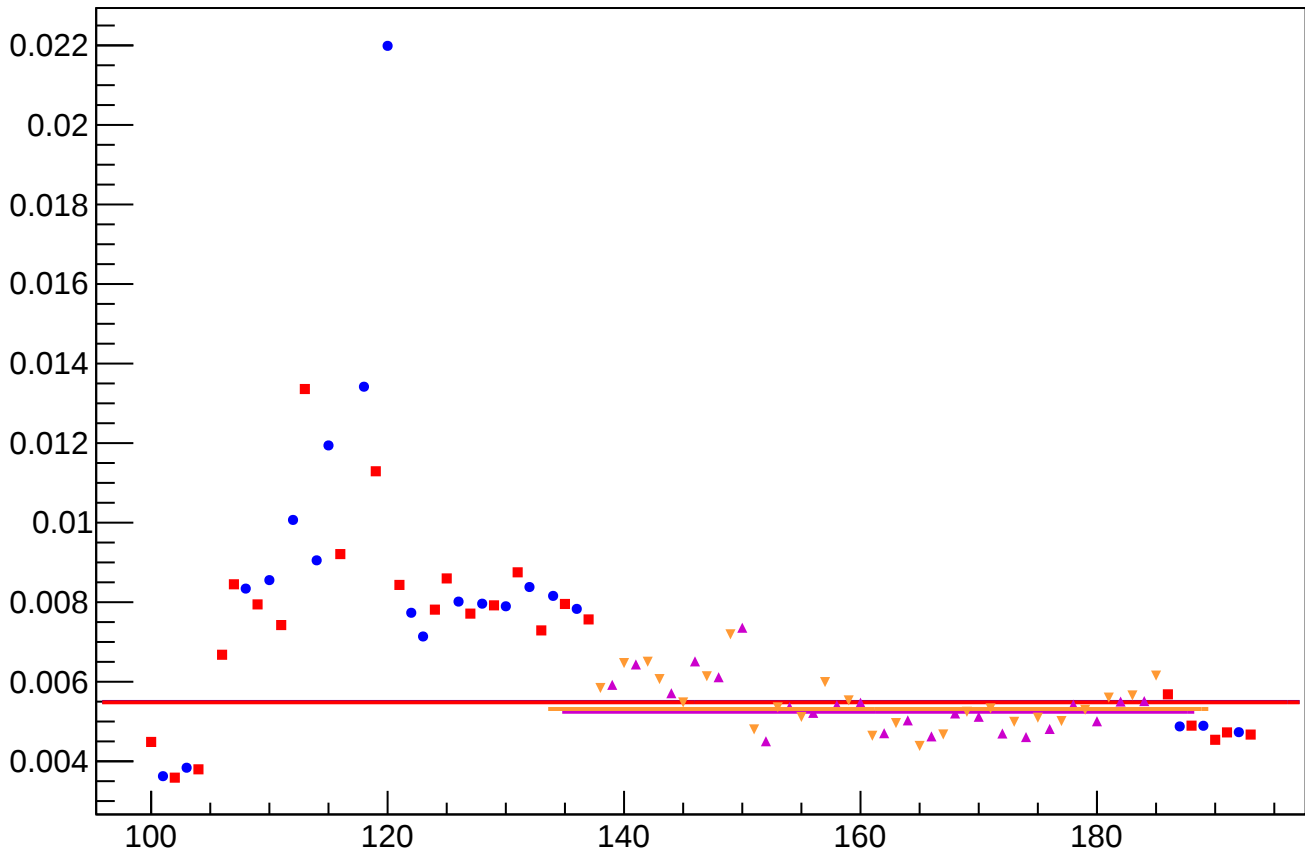
Left In: 2.199+/-0.000 χ^2/NDF : 253166239065.4/22

+ sign 1.956+/-0.000 χ^2/NDF : 624218147992.3/44

All: 1.939+/-0.000 χ^2/NDF : 1306520274392.3/46

- sign 1.922+/-0.000 χ^2/NDF : 681831034474.5/46

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2000686.4/19

Left Out: 0.005+/-0.000 χ^2/NDF : 398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1843952.8/23

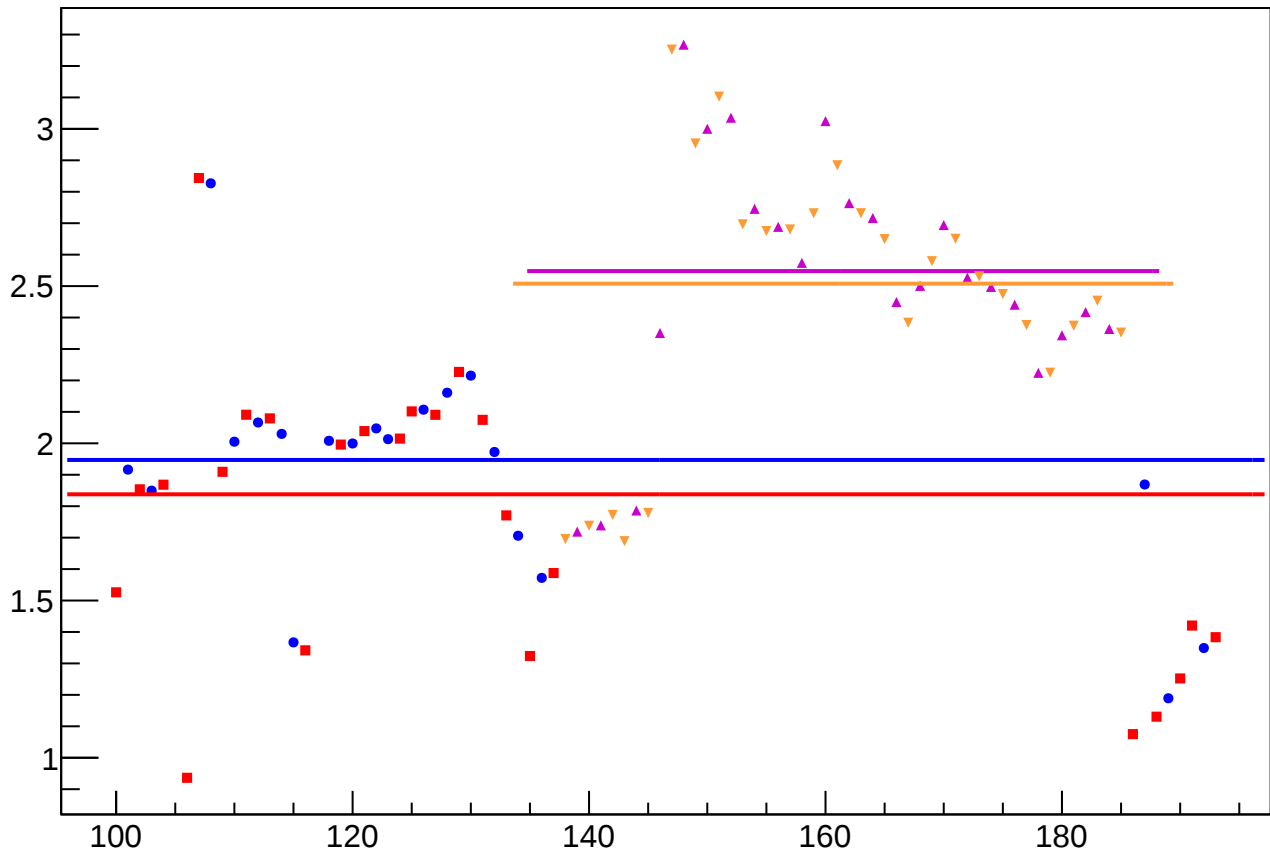
Left In: 0.005+/-0.000 χ^2/NDF : 425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2408985.1/44

All: 0.005+/-0.000 χ^2/NDF : 4700331.0/91

- sign 0.005+/-0.000 χ^2/NDF : 2289934.3/46

yield_bpm0l06X_mean vs Slug



Right In: 1.947 $\pm$ 0.000 χ^2 /NDF: 18774065878.0/19

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.838 $\pm$ 0.000 χ^2 /NDF: 33092128363.3/23

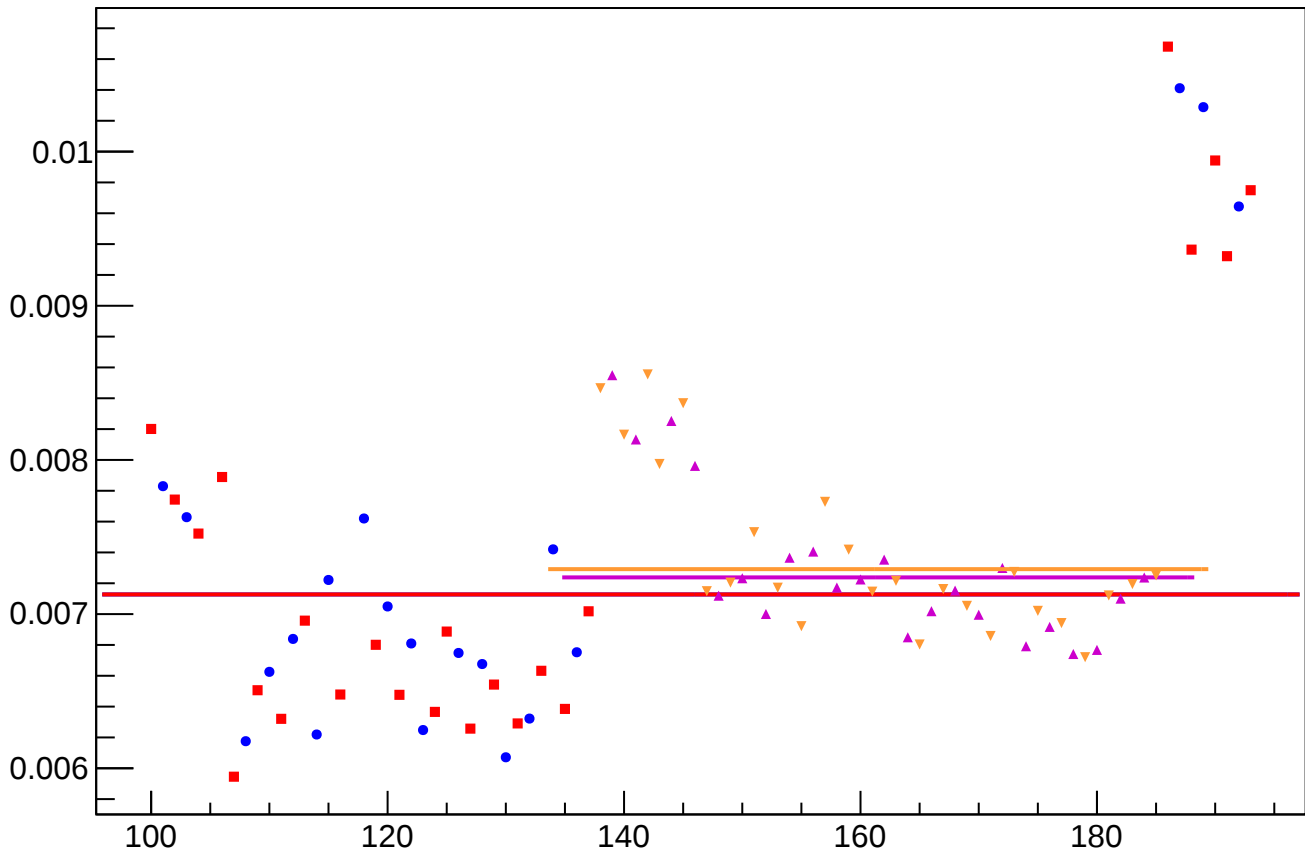
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.331 $\pm$ 0.000 χ^2 /NDF: 103723007512.2/44

All: 2.311 $\pm$ 0.000 χ^2 /NDF: 240106575121.2

- sign 2.292 $\pm$ 0.000 χ^2 /NDF: 136014143526.6/46

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 339027.3/19

Left Out: 0.007+/-0.000 χ^2/NDF :140788.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 501383.0/23

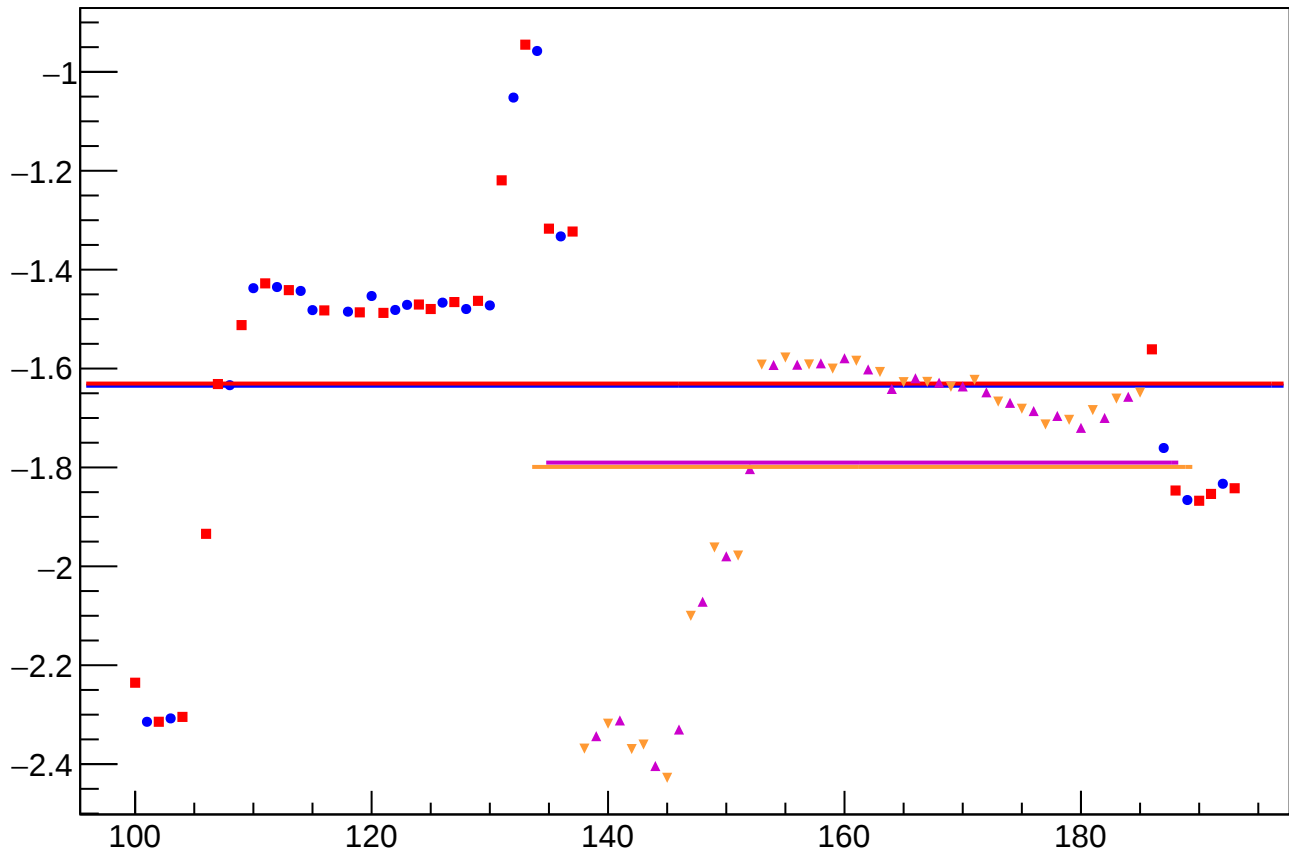
Left In: 0.007+/-0.000 χ^2/NDF :125233.2/22

+ sign 0.007+/-0.000 χ^2/NDF : 485410.8/44

All: 0.007+/-0.000 χ^2/NDF : 1115657.4/91

- sign 0.007+/-0.000 χ^2/NDF : 629406.3/46

yield_bpm0l06Y_mean vs Slug



Right In: -1.635+/-0.000 χ^2/NDF : 147109369187.5/19

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.630+/-0.000 χ^2/NDF : 156592821038.1/23

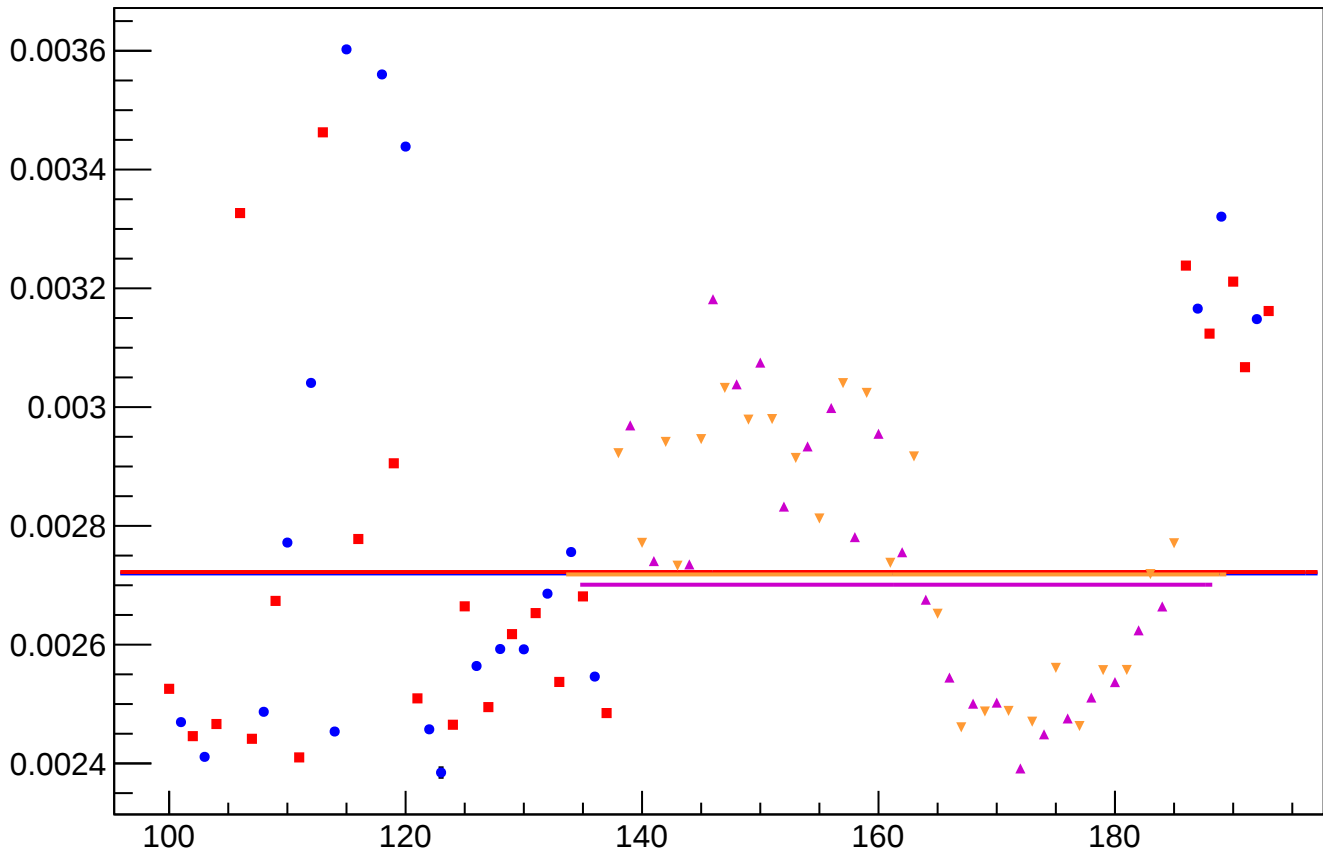
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.749+/-0.000 χ^2/NDF : 351971559066.5/44

All: -1.741+/-0.000 χ^2/NDF : 688985749088.1

- sign -1.734+/-0.000 χ^2/NDF : 336639416842.7/46

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 231499.0/19

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 225979.6/23

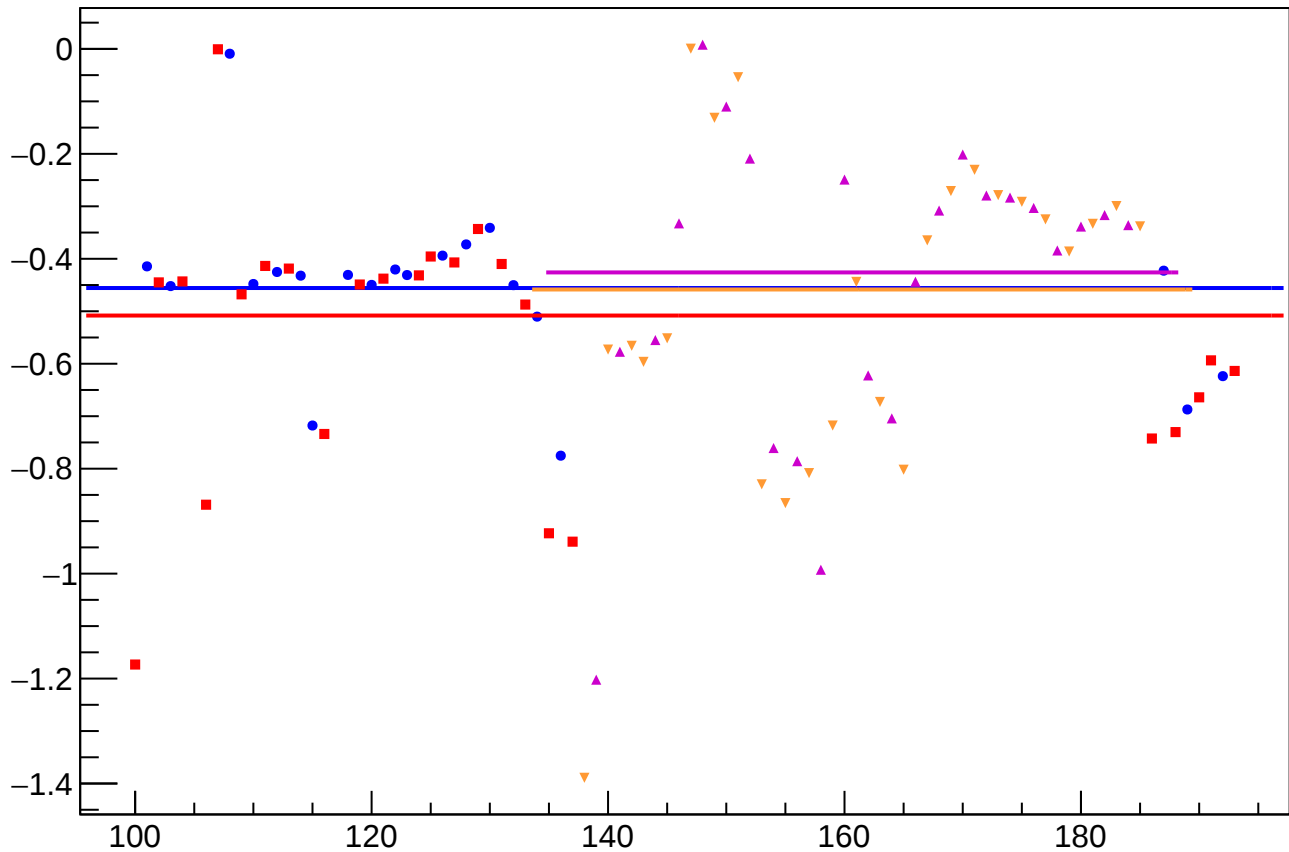
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 431198.3/44

All: 0.003+/-0.000 χ^2/NDF : 878602.6/91

- sign 0.003+/-0.000 χ^2/NDF : 447037.4/46

yield_bpm0l07X_mean vs Slug



Right In: -0.456 ± 0.000 $\chi^2/\text{NDF}: 1647208590.5/19$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 9916462814.9/24$

Right Out: -0.508 ± 0.000 $\chi^2/\text{NDF}: 3007204015.8/23$

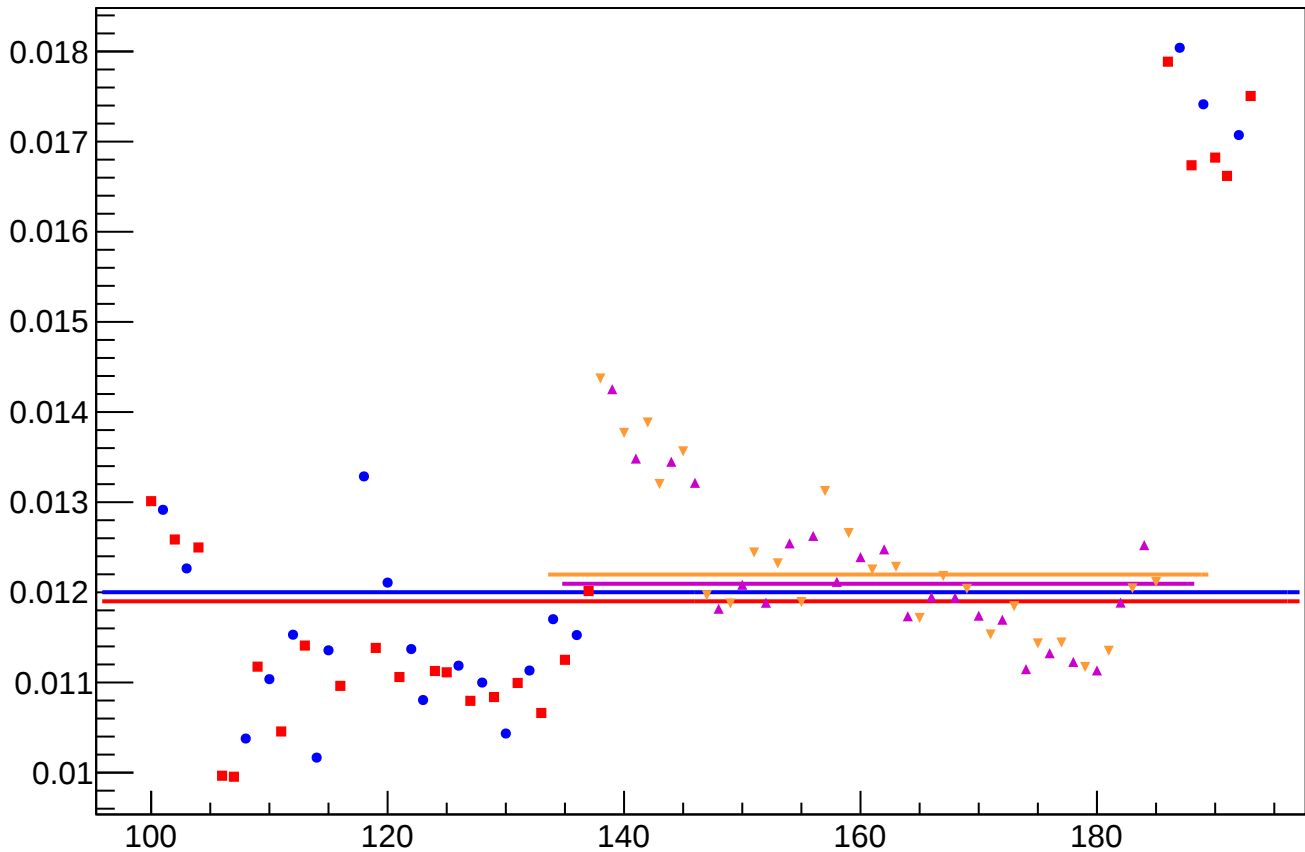
Left In: -0.426 ± 0.000 $\chi^2/\text{NDF}: 8424222576.0/22$

+ sign -0.458 ± 0.000 $\chi^2/\text{NDF}: 11563963167.7/44$

All: -0.457 ± 0.000 $\chi^2/\text{NDF}: 23274147759.1/46$

- sign -0.456 ± 0.000 $\chi^2/\text{NDF}: 11709907044.9/46$

yield_bpm0l07X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 373965.4/19

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:141850.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 597661.7/23

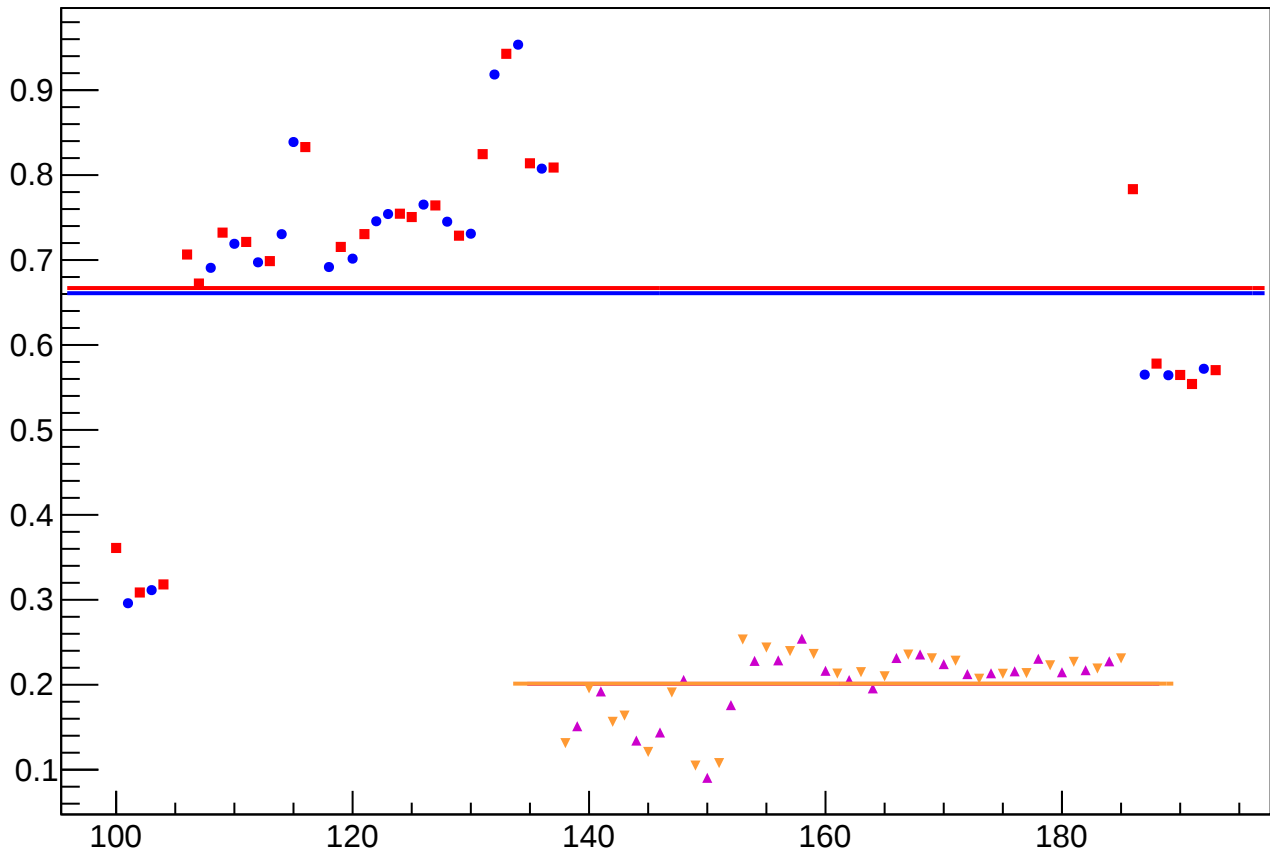
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:127308.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 518665.0/44

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 1248926.5/91

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 728090.9/46

yield_bpm0l07Y_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 40383634185.9/19

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.667 $\pm$ 0.000 χ^2 /NDF: 39092714600.8/23

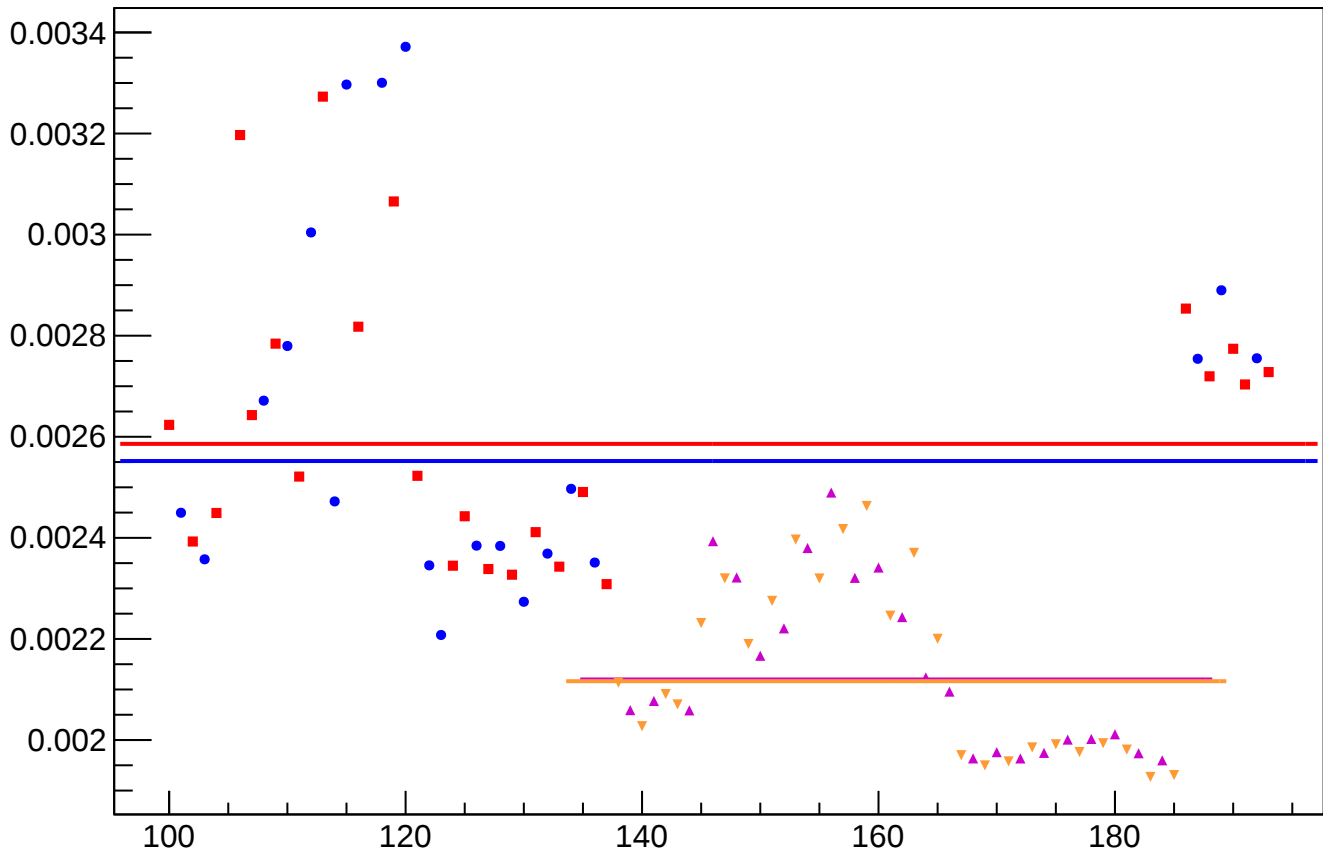
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.306 $\pm$ 0.000 χ^2 /NDF: 242954174820.8/44

All: 0.315 $\pm$ 0.000 χ^2 /NDF: 507738227617.9

- sign 0.324 $\pm$ 0.000 χ^2 /NDF: 263928797227.4/46

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 202314.9/19

Left Out: 0.002+/-0.000 χ^2/NDF :224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 155616.7/23

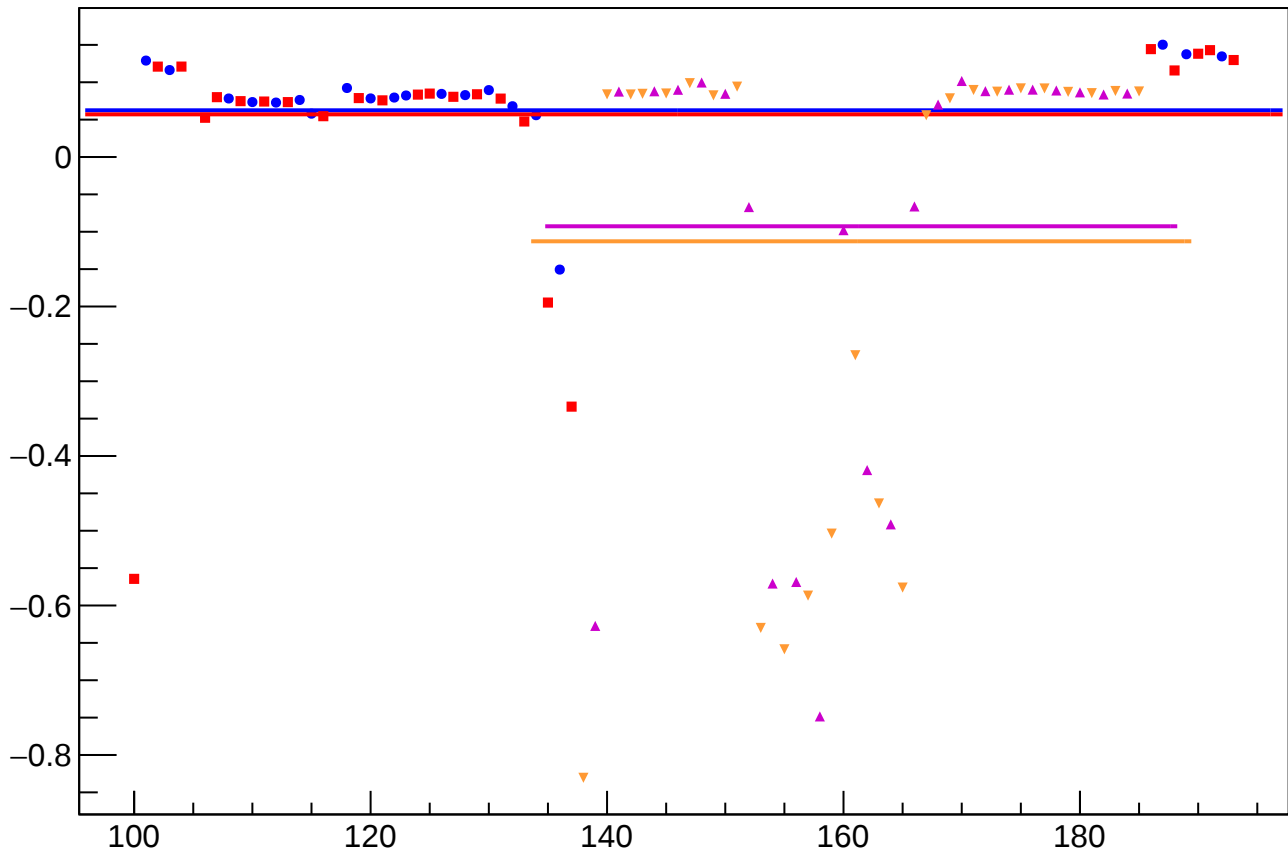
Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 777975.5/44

All: 0.002+/-0.000 χ^2/NDF : 1565451.3/91

- sign 0.002+/-0.000 χ^2/NDF : 783581.6/46

yield_bpm0l08X_mean vs Slug



Right In: 0.062 $\pm$ 0.000 χ^2 /NDF: 460178446.4/19

Left Out: -0.113 $\pm$ 0.000 χ^2 /NDF:13667354077.1/24

+ sign -0.054 $\pm$ 0.000 χ^2 /NDF: 15623115290.8/44

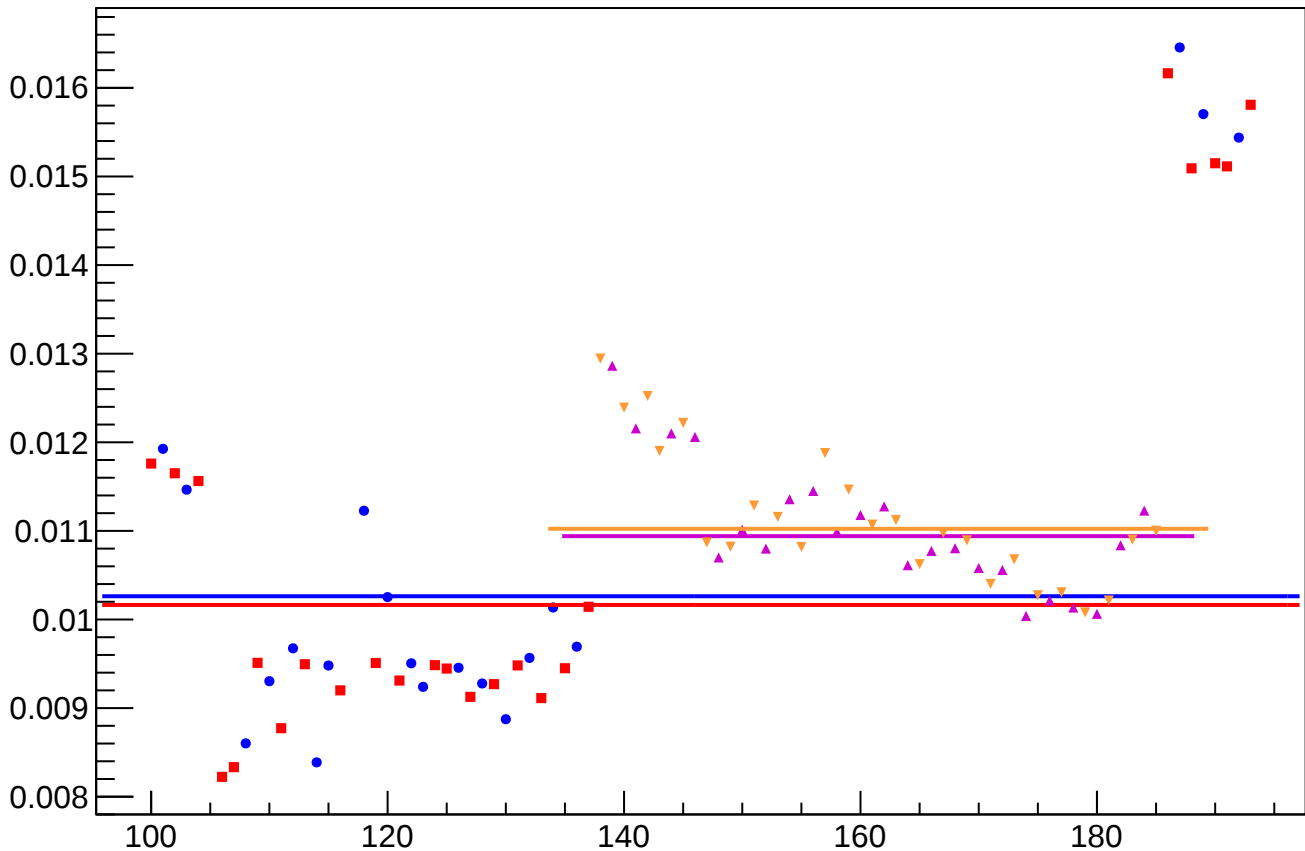
Right Out: 0.057 $\pm$ 0.000 χ^2 /NDF: 883334330.6/23

All: -0.044 $\pm$ 0.000 χ^2 /NDF: 28804664426.8/46

Left In: -0.093 $\pm$ 0.000 χ^2 /NDF:11051944893.7/22

- sign -0.035 $\pm$ 0.000 χ^2 /NDF: 13140618361.6/46

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 502823.9/19

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:141501.7/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 783025.9/23

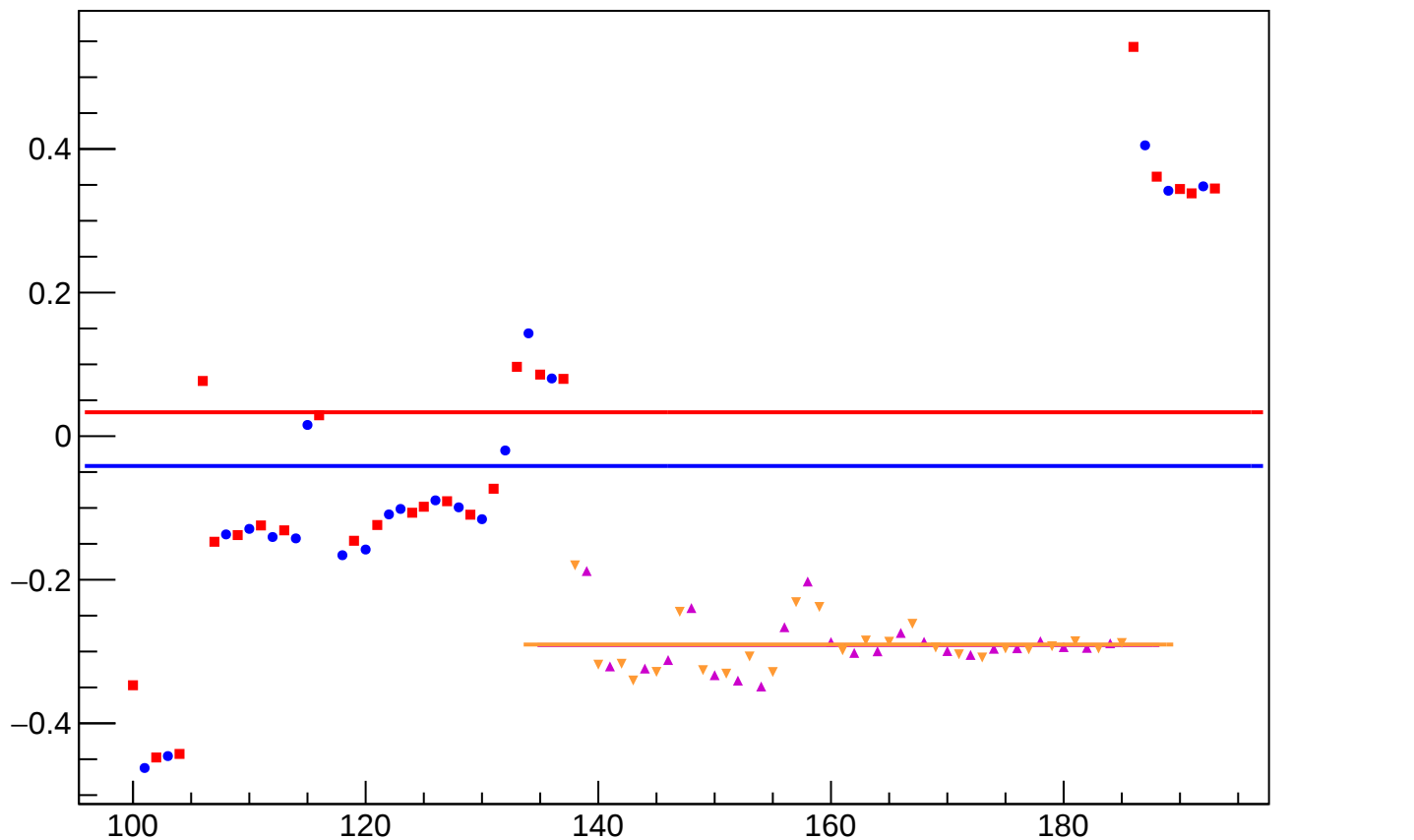
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:128914.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 700778.4/44

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1681175.4/91

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 976743.7/46

yield_bpm0l08Y_mean vs Slug



Right In: -0.042+/-0.000 χ^2/NDF : 32829437881.7/19

Left Out: -0.290+/-0.000 χ^2/NDF : 2877519093.0/24

Right Out: 0.033+/-0.000 χ^2/NDF : 42839834814.6/23

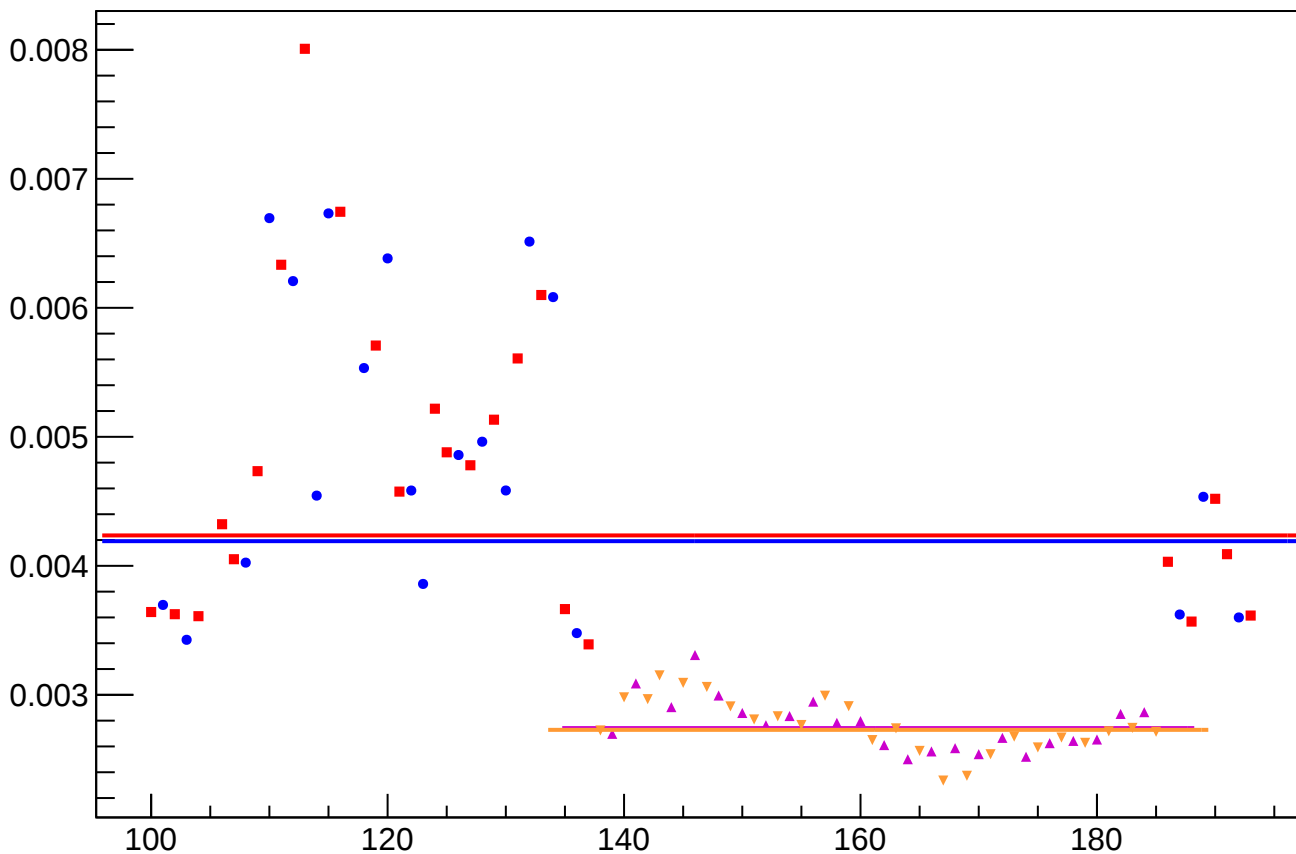
Left In: -0.291+/-0.000 χ^2/NDF : 3125402243.3/22

+ sign -0.253+/-0.000 χ^2/NDF : 57360542989.8/44

All: -0.243+/-0.000 χ^2/NDF : 145232520948.7

- sign -0.233+/-0.000 χ^2/NDF : 87311256646.5/46

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 686409.7/19

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 783497.5/23

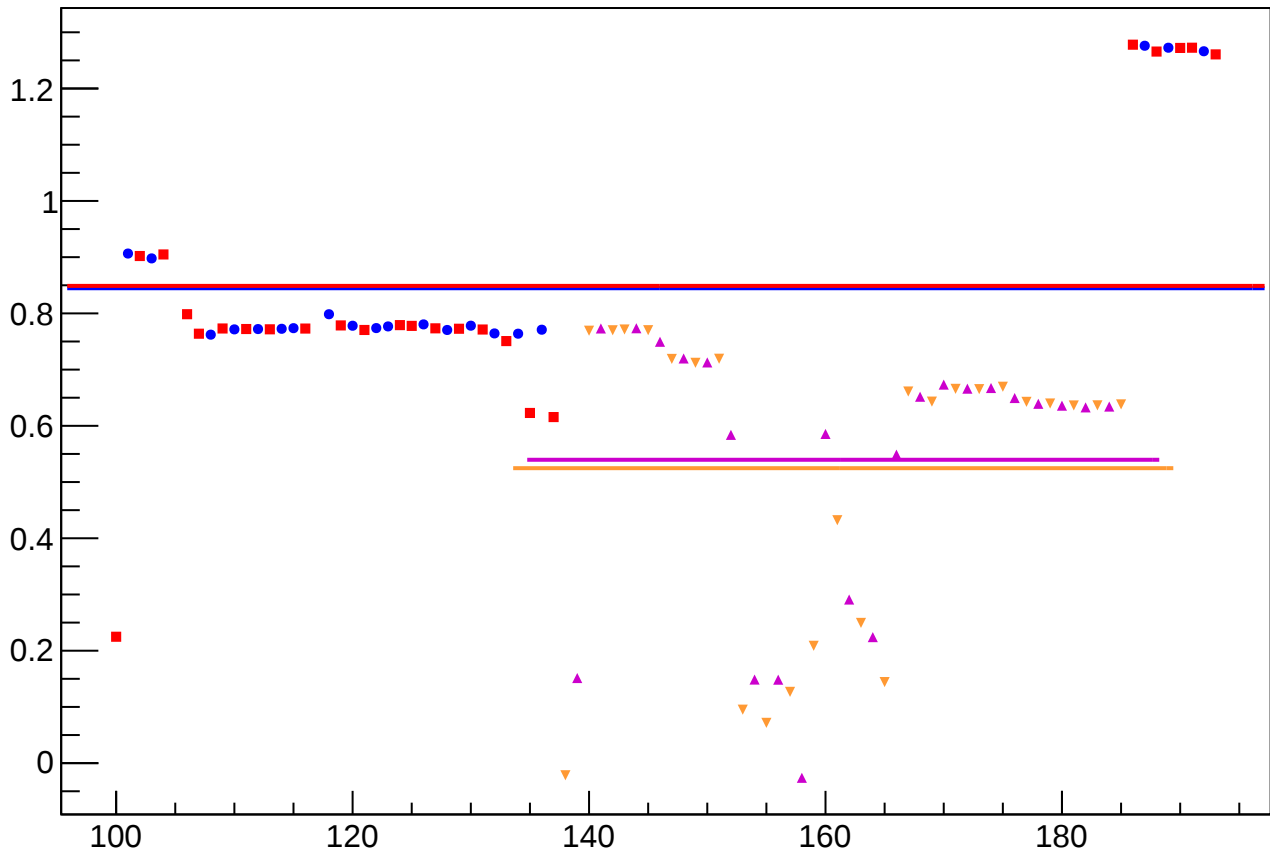
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2390734.5/44

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 5086348.8/91

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2684572.6/46

yield_bpm0l09X_mean vs Slug



Right In: 0.845 $\pm$ 0.000 χ^2 /NDF: 1489697382.2/19

Left Out: 0.525 $\pm$ 0.000 χ^2 /NDF: 9623503169.9/24

Right Out: 0.849 $\pm$ 0.000 χ^2 /NDF: 2822633576.1/23

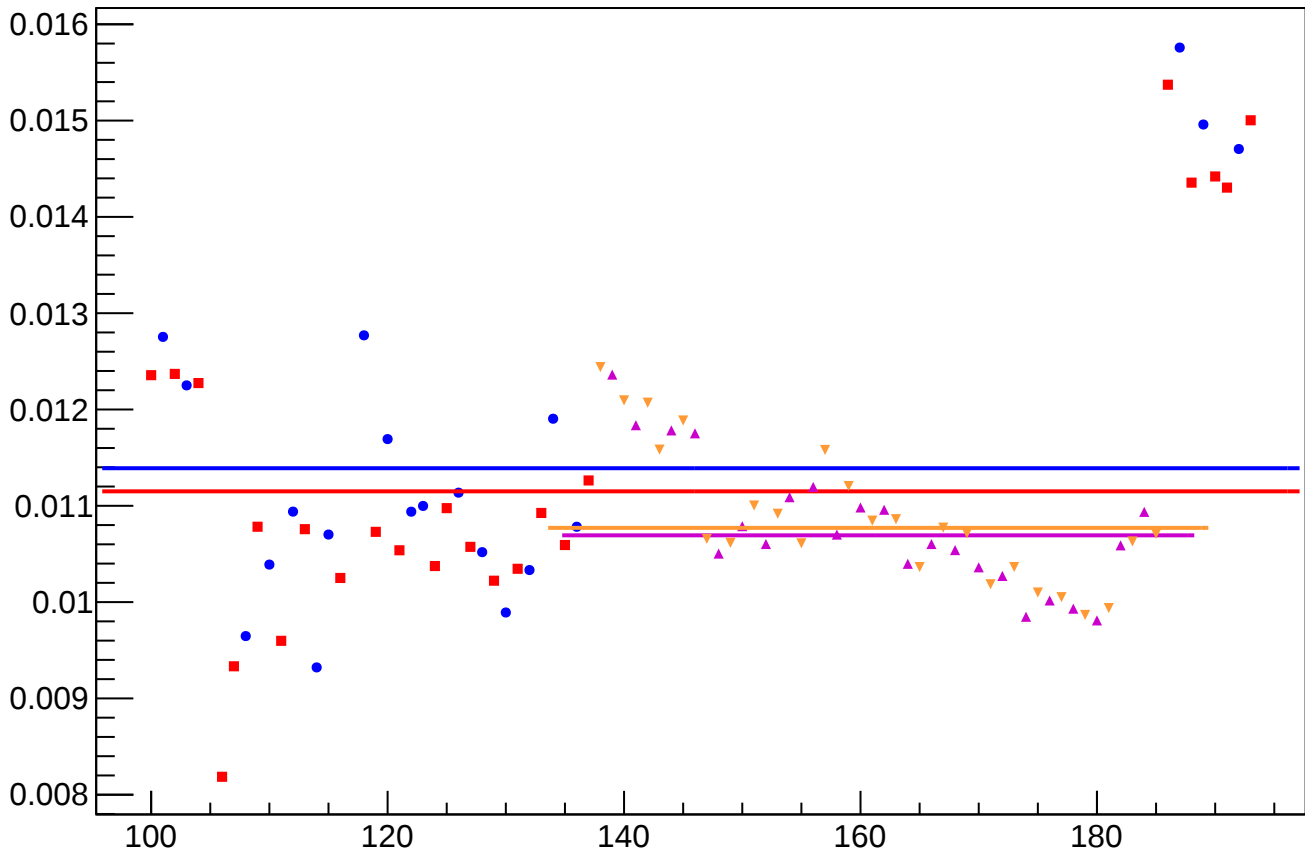
Left In: 0.540 $\pm$ 0.000 χ^2 /NDF: 7860539135.5/22

+ sign 0.615 $\pm$ 0.000 χ^2 /NDF: 15545271760.0/44

All: 0.630 $\pm$ 0.000 χ^2 /NDF: 31023916671.7/9

- sign 0.644 $\pm$ 0.000 χ^2 /NDF: 15391003586.9/46

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 285048.9/19

Left Out: 0.011+/-0.000 χ^2/NDF :131630.9/24

Right Out: 0.011+/-0.000 χ^2/NDF : 467574.8/23

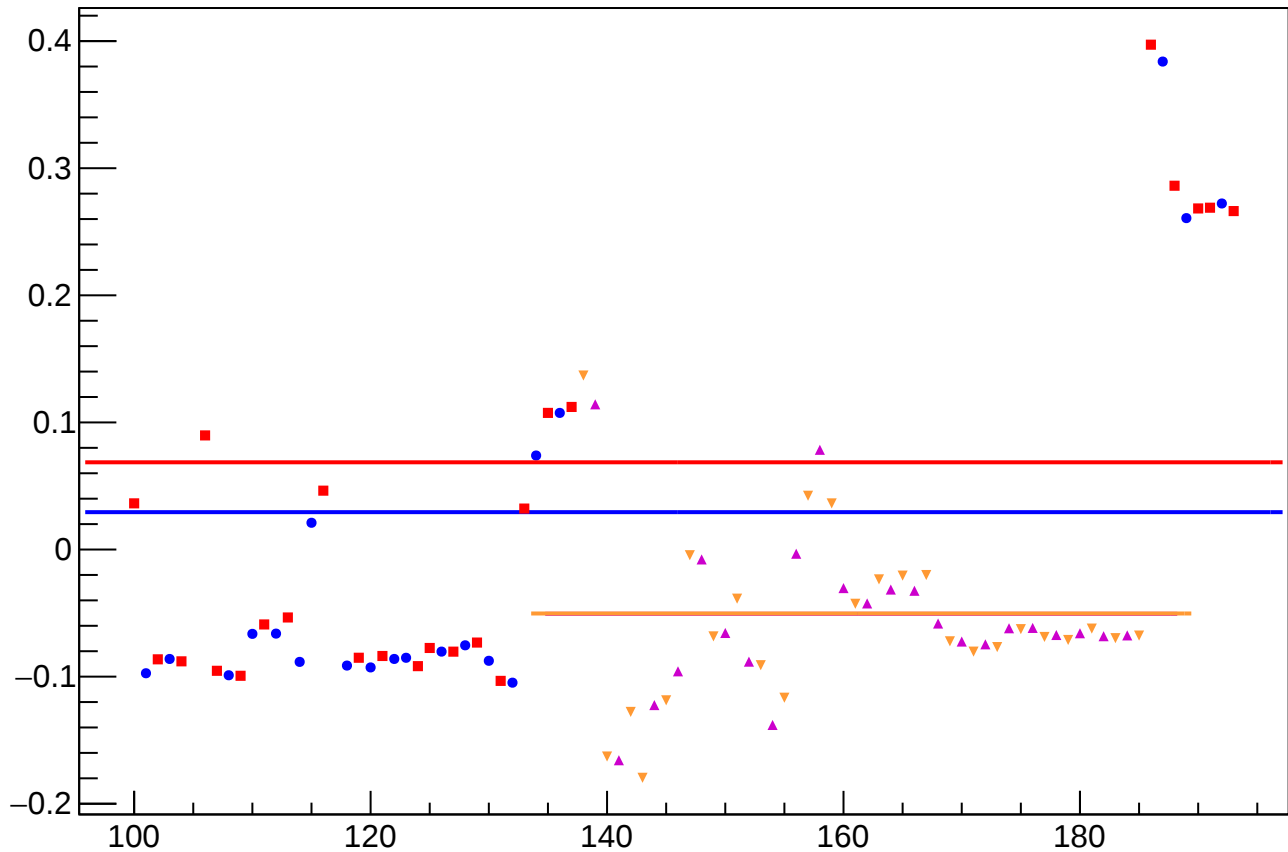
Left In: 0.011+/-0.000 χ^2/NDF :119273.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 449860.4/44

All: 0.011+/-0.000 χ^2/NDF : 1059380.3/91

- sign 0.011+/-0.000 χ^2/NDF : 607387.5/46

yield_bpm0l09Y_mean vs Slug



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 8053305876.6/19

Left Out: -0.050 $\pm$ 0.000 χ^2 /NDF: 7271496478.6/24

Right Out: 0.069 $\pm$ 0.000 χ^2 /NDF: 11486796127.2/23

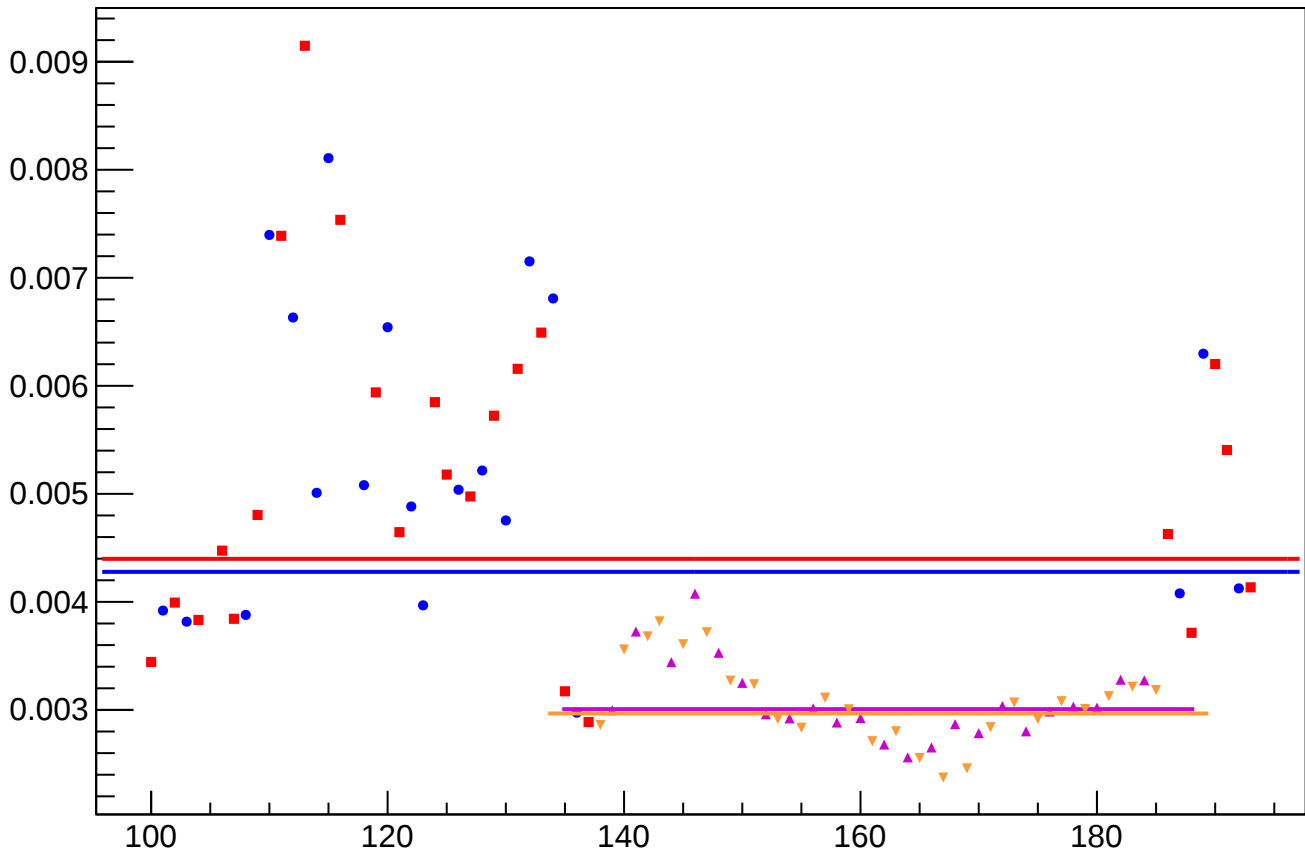
Left In: -0.051 $\pm$ 0.000 χ^2 /NDF: 6128769990.8/22

+ sign -0.037 $\pm$ 0.000 χ^2 /NDF: 17318305758.9/44

All: -0.033 $\pm$ 0.000 χ^2 /NDF: 39861329318.9/44

- sign -0.028 $\pm$ 0.000 χ^2 /NDF: 22439449848.9/46

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 974766.4/19

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:499039.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1102813.9/23

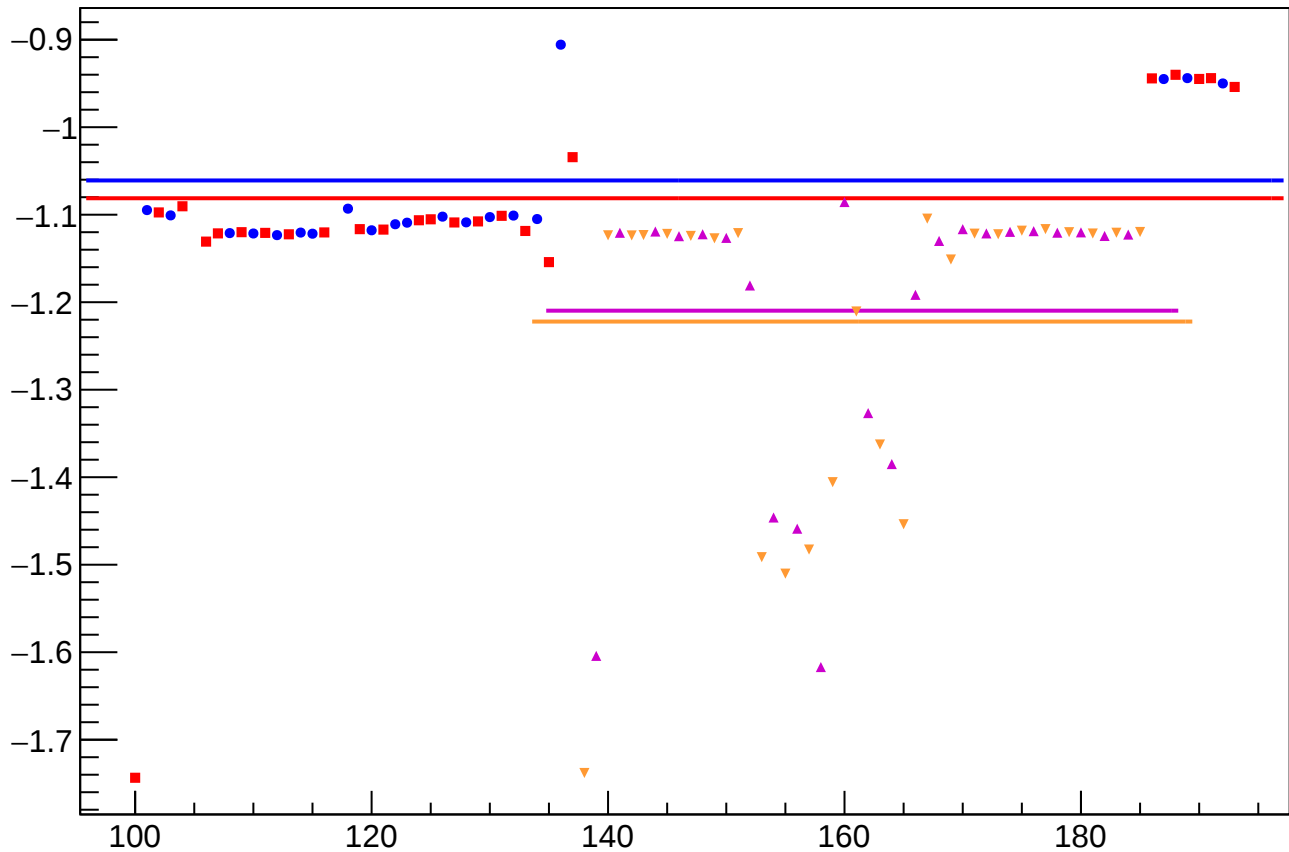
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:329068.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2551994.2/44

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 5318145.5/91

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2746466.8/46

yield_bpm0l10X_mean vs Slug



Right In: -1.061 ± 0.000 χ^2/NDF : 337262468.0/19

Left Out: -1.222 ± 0.000 χ^2/NDF : 5279548861.3/24

Right Out: -1.081 ± 0.000 χ^2/NDF : 581531019.4/23

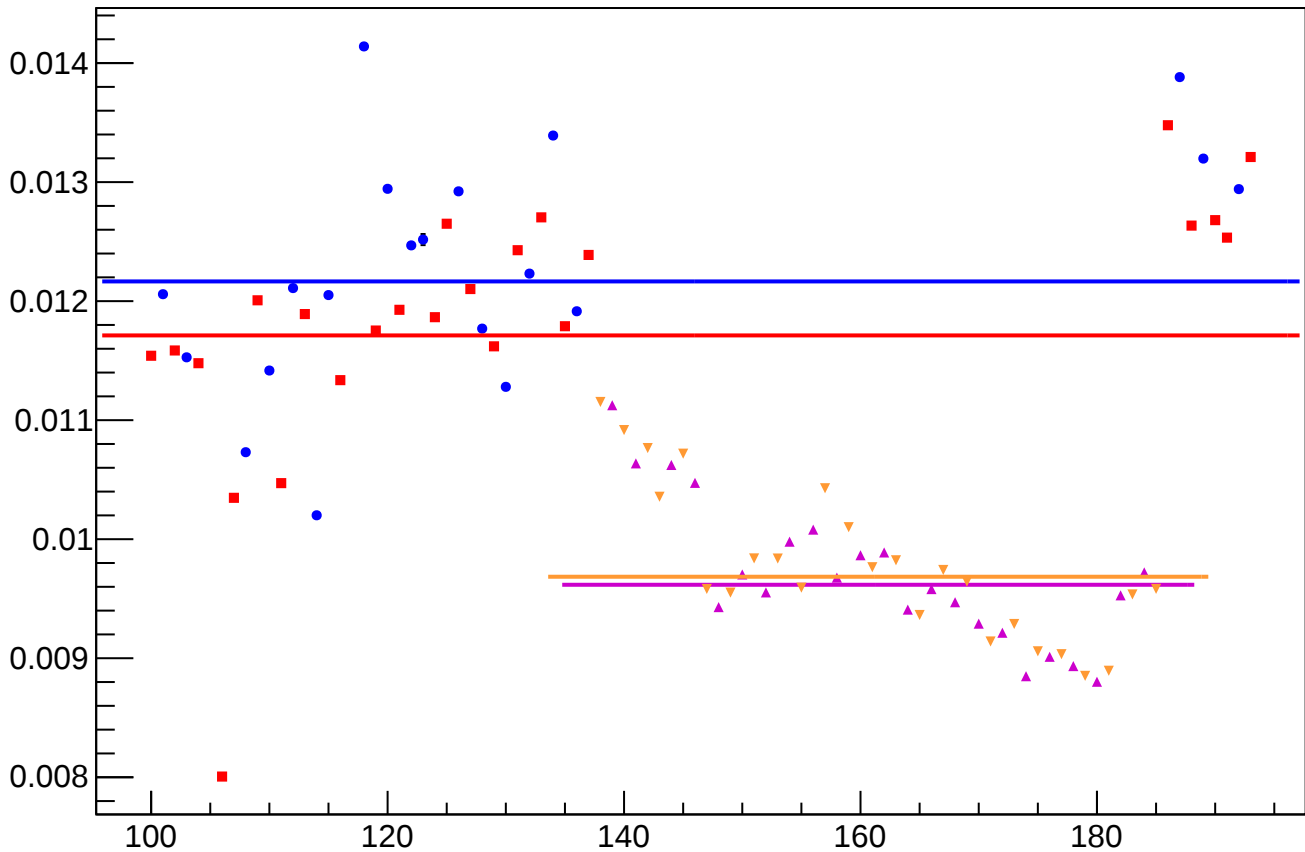
Left In: -1.210 ± 0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.187 ± 0.000 χ^2/NDF : 6700802973.4/44

All: -1.181 ± 0.000 χ^2/NDF : 12618168136.3/44

- sign -1.175 ± 0.000 χ^2/NDF : 5899696369.2/46

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 78206.7/19

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:134863.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 210924.2/23

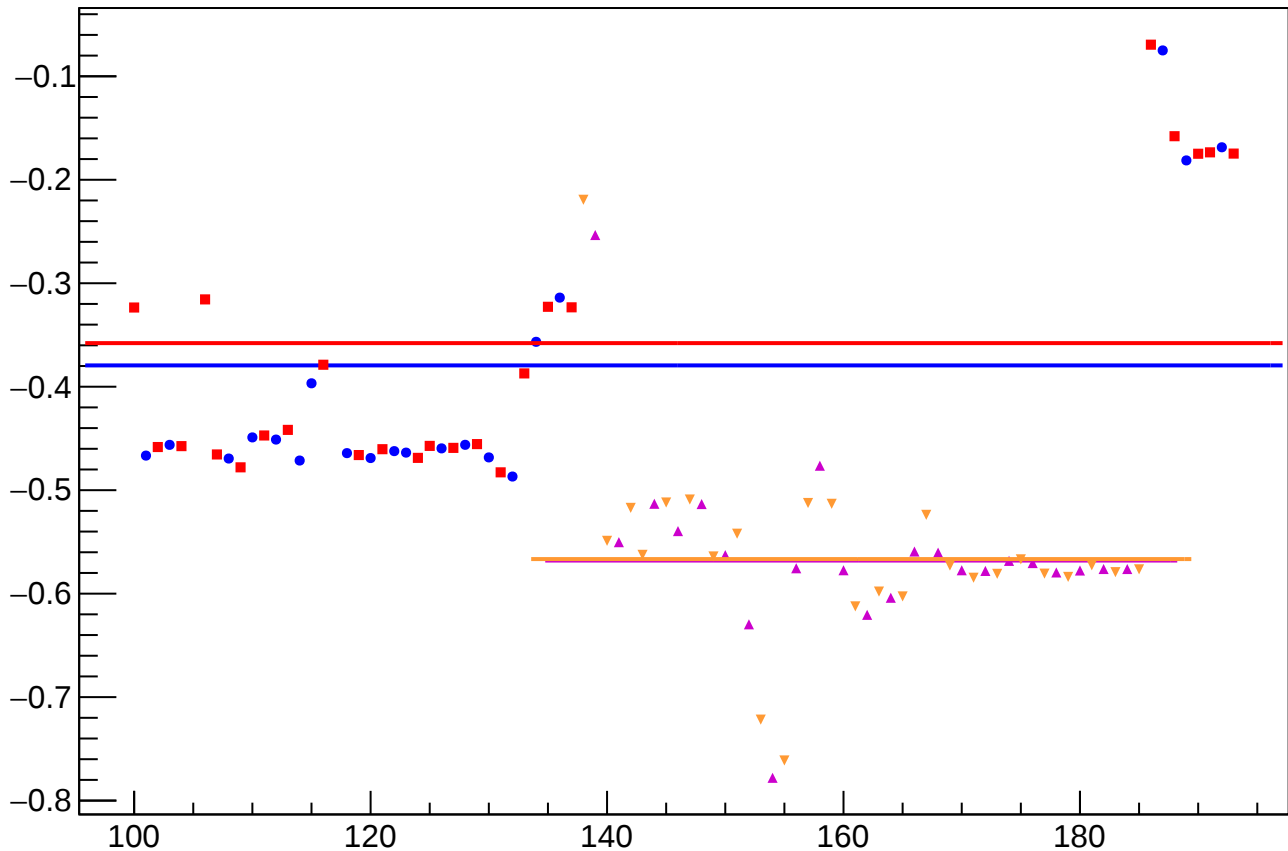
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 726282.0/44

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 1491322.7/91

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 764599.8/46

yield_bpm0l10Y_mean vs Slug



Right In: -0.379 ± 0.000 χ^2/NDF : 6306307185.8/19

Left Out: -0.567 ± 0.000 χ^2/NDF : 13368458519.3/24

Right Out: -0.358 ± 0.000 χ^2/NDF : 8914780416.4/23

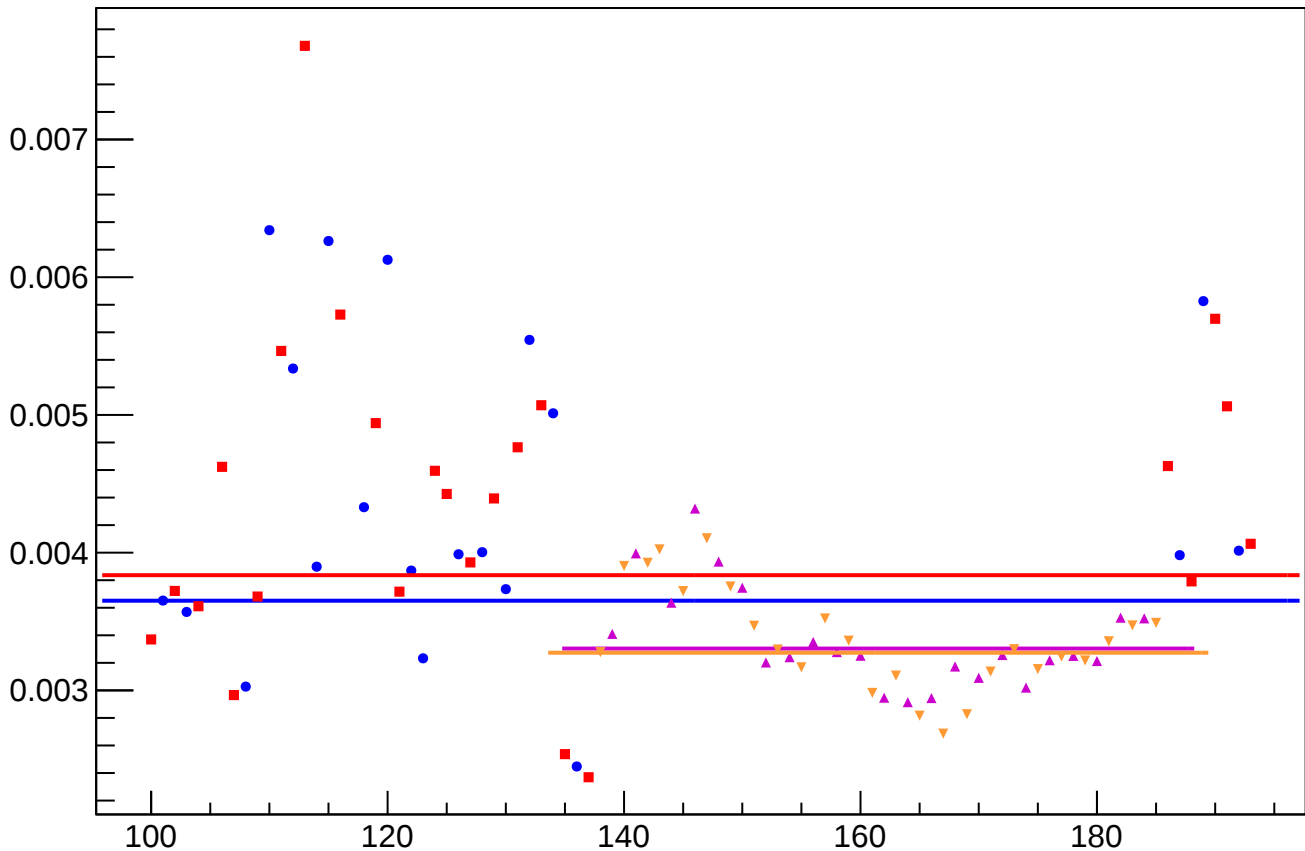
Left In: -0.568 ± 0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.521 ± 0.000 χ^2/NDF : 33209047182.1/44

All: -0.516 ± 0.000 χ^2/NDF : 70499095114.2/100

- sign -0.511 ± 0.000 χ^2/NDF : 37171088407.8/46

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 986043.9/19

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1018149.4/23

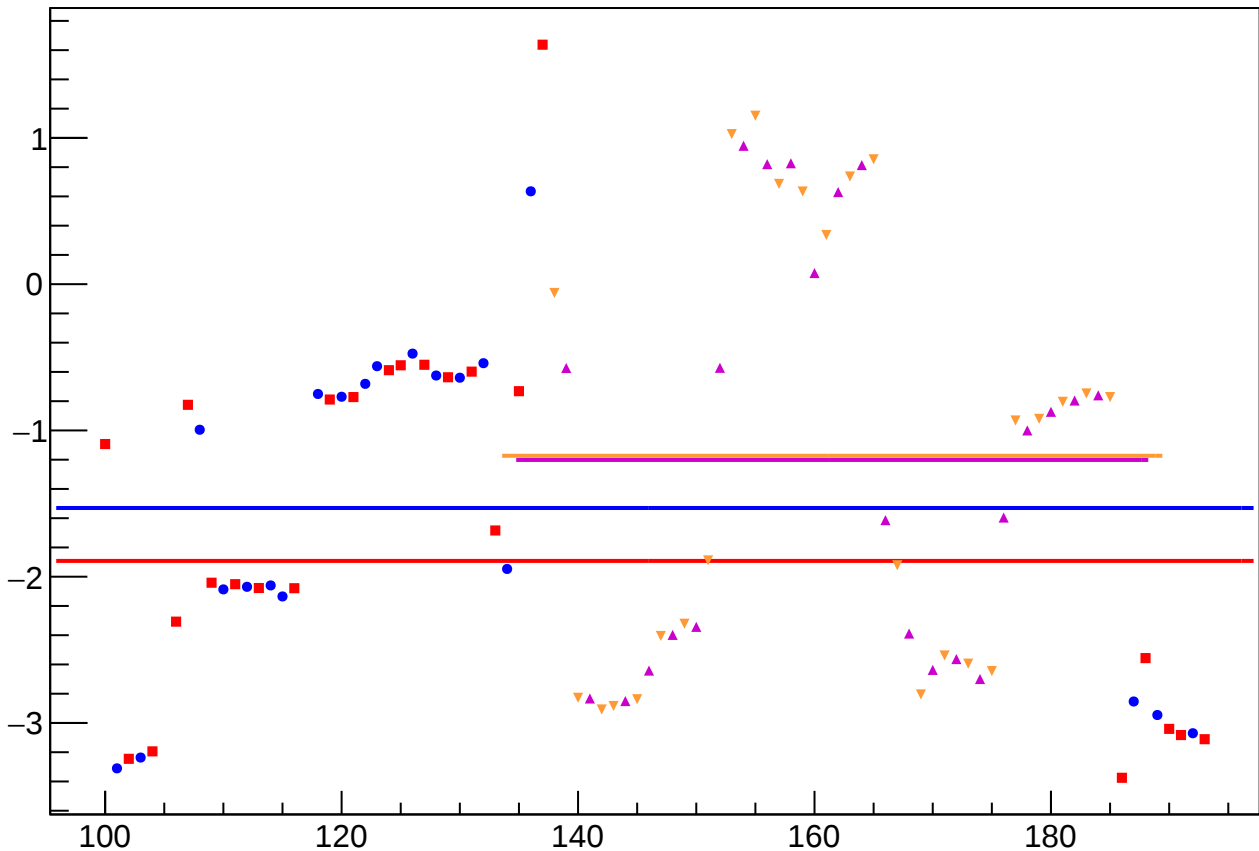
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1491126.3/44

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3038825.8/91

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1532944.0/46

yield_bpm0r03X_mean vs Slug



Right In: -1.530 ± 0.000 $\chi^2/\text{NDF}: 2734047243.6/19$

Left Out: -1.173 ± 0.000 $\chi^2/\text{NDF}: 6882684653.2/24$

Right Out: -1.892 ± 0.000 $\chi^2/\text{NDF}: 2460495689.1/23$

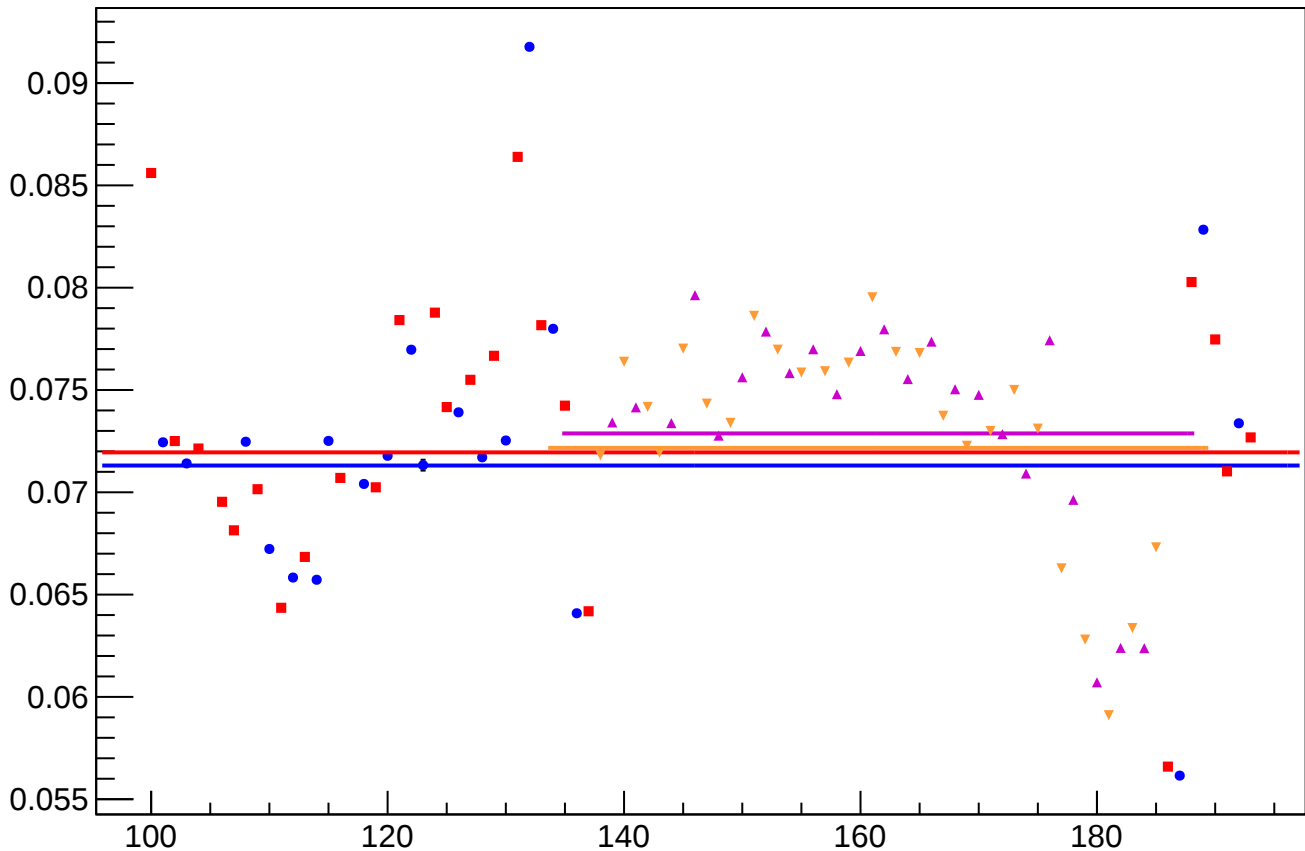
Left In: -1.202 ± 0.000 $\chi^2/\text{NDF}: 5606782515.9/22$

+ sign -1.285 ± 0.000 $\chi^2/\text{NDF}: 9755095642.6/44$

All: -1.369 ± 0.000 $\chi^2/\text{NDF}: 18446377403.9/44$

- sign -1.453 ± 0.000 $\chi^2/\text{NDF}: 8620544049.1/46$

yield_bpm0r03X_rms vs Slug



Right In: 0.071 ± 0.000 χ^2/NDF : 117374.5/19

Left Out: 0.072 ± 0.000 χ^2/NDF : 222263.8/24

Right Out: 0.072 ± 0.000 χ^2/NDF : 145673.5/23

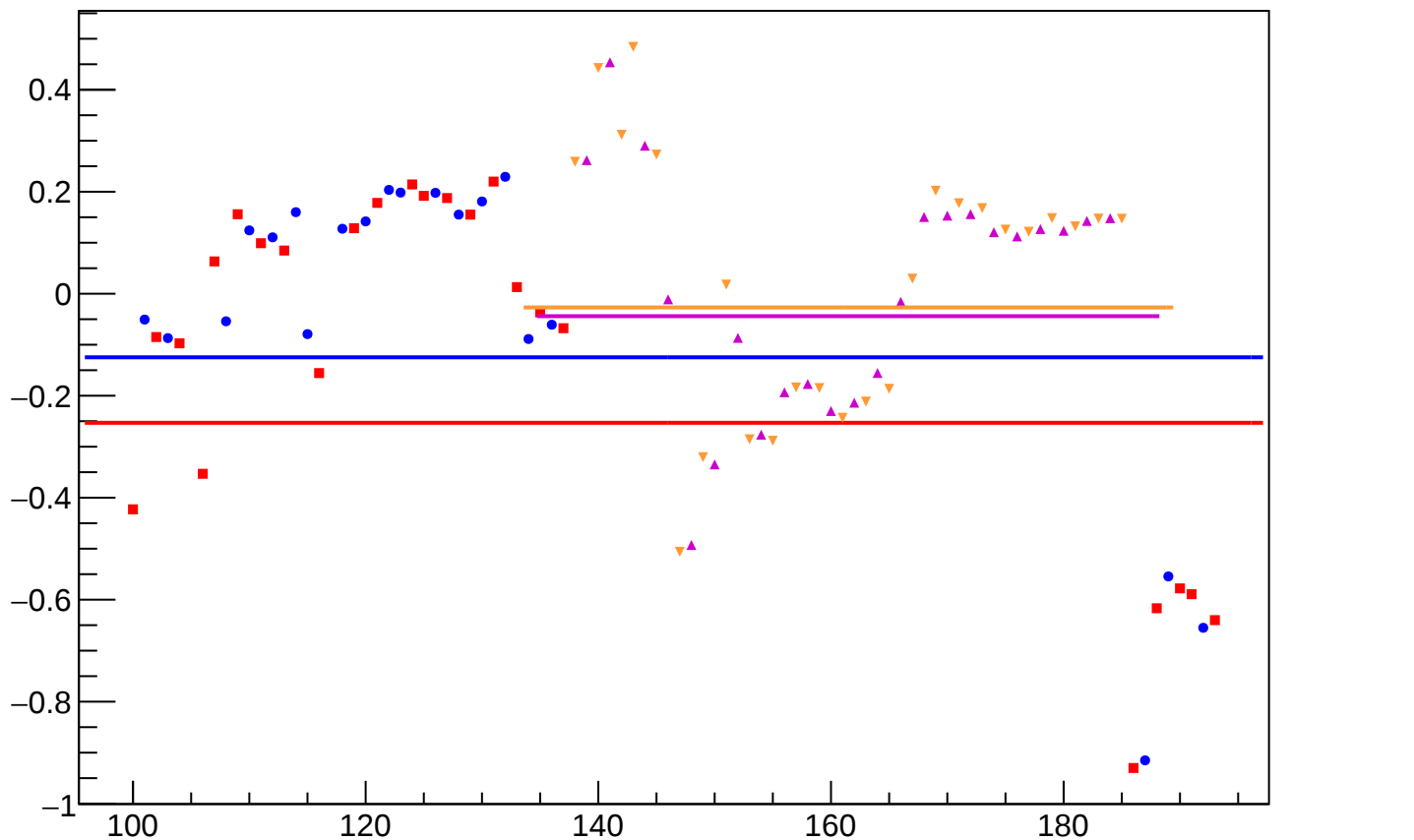
Left In: 0.073 ± 0.000 χ^2/NDF : 183503.0/22

+ sign 0.072 ± 0.000 χ^2/NDF : 341254.0/44

All: 0.072 ± 0.000 χ^2/NDF : 674482.5/91

- sign 0.073 ± 0.000 χ^2/NDF : 331168.4/46

yield_bpm0r03Y_mean vs Slug



Right In: -0.125 ± 0.000 χ^2/NDF : 5310012494.8/19

Left Out: -0.027 ± 0.000 χ^2/NDF : 20376761328.6/24

Right Out: -0.253 ± 0.000 χ^2/NDF : 8527631322.0/23

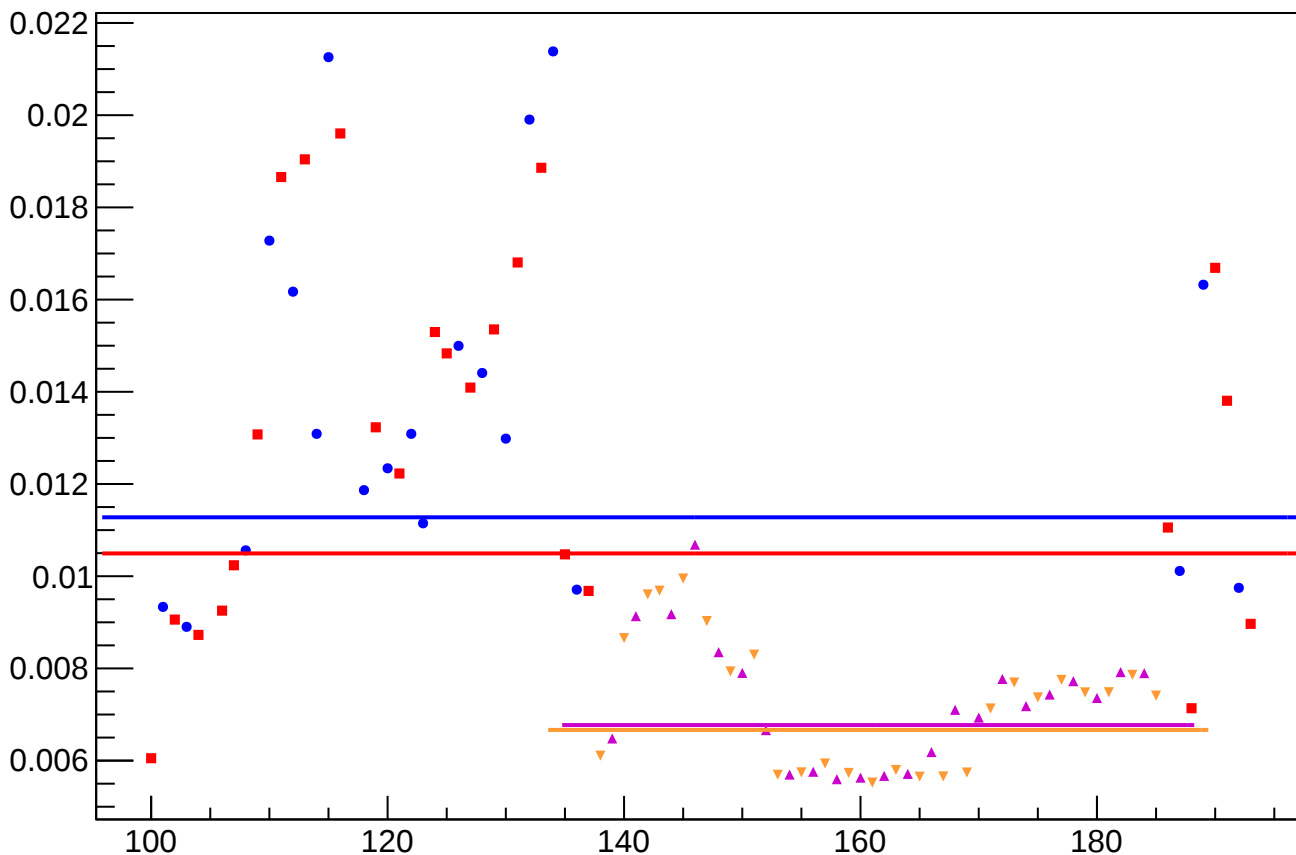
Left In: -0.044 ± 0.000 χ^2/NDF : 15718556282.1/22

+ sign -0.040 ± 0.000 χ^2/NDF : 26152856463.7/44

All: -0.059 ± 0.000 χ^2/NDF : 53344232618.0/44

- sign -0.080 ± 0.000 χ^2/NDF : 26842180525.7/46

yield_bpm0r03Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 807619.4/19

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1143768.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1550278.4/23

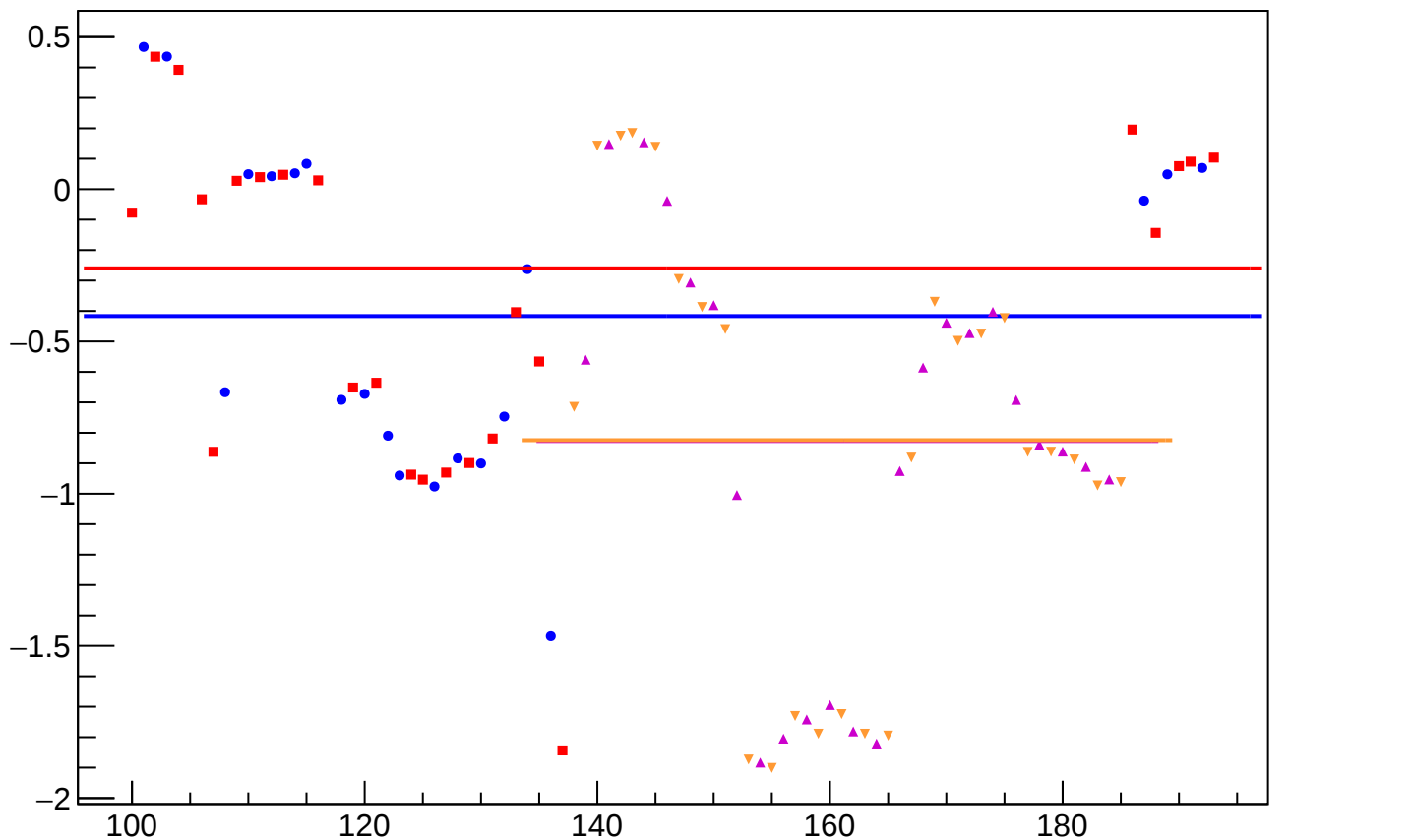
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4024722.7/44

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8165084.9/91

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4130598.2/46

yield_bpm0r05X_mean vs Slug



Right In: -0.417 ± 0.000 χ^2/NDF : 388652744.6/19

Left Out: -0.824 ± 0.000 χ^2/NDF : 1103610806.5/24

Right Out: -0.260 ± 0.000 χ^2/NDF : 319806857.2/23

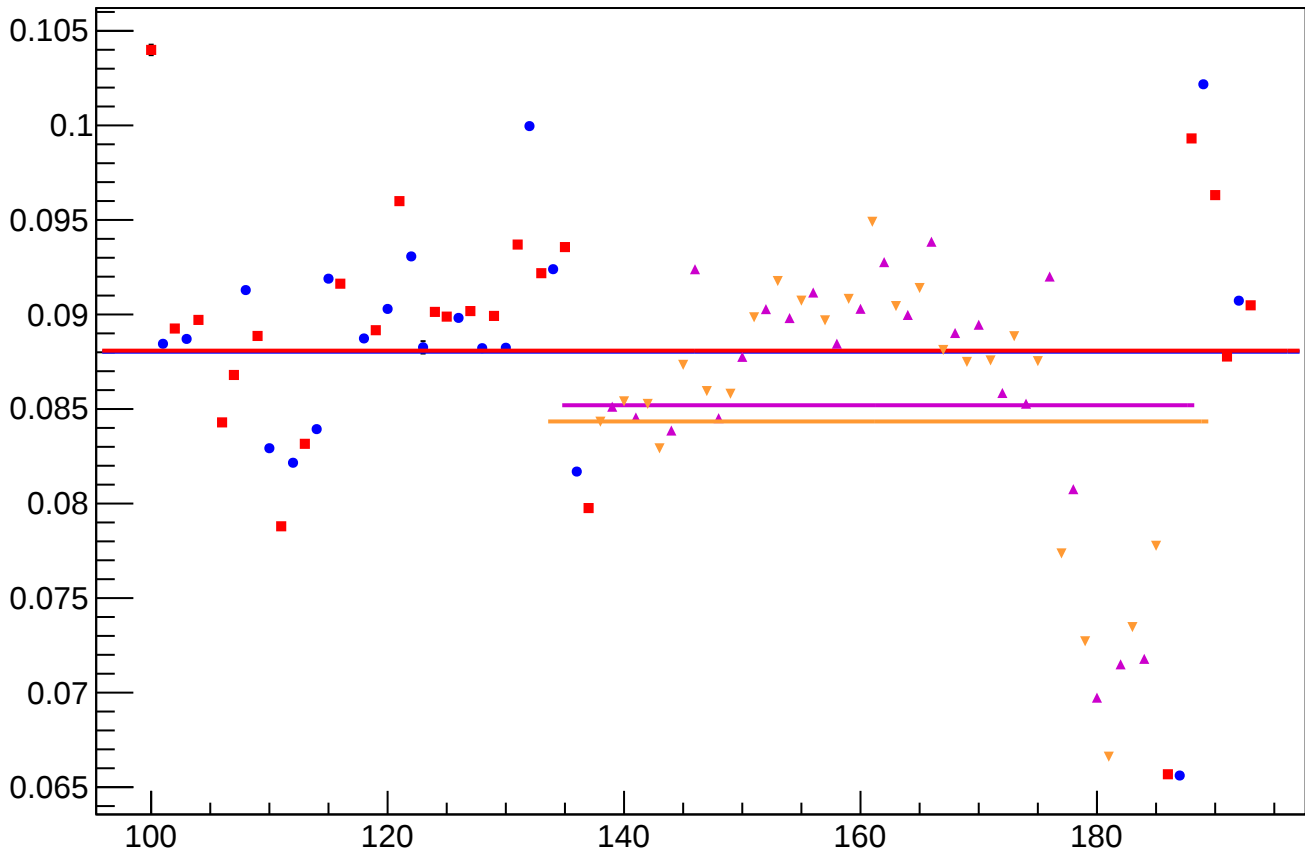
Left In: -0.827 ± 0.000 χ^2/NDF : 921651117.3/22

+ sign -0.705 ± 0.000 χ^2/NDF : 1616171019.2/44

All: -0.669 ± 0.000 χ^2/NDF : 3127994684.4/9

- sign -0.632 ± 0.000 χ^2/NDF : 1502155046.5/46

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 89763.9/19

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.088 $\pm$ 0.000 χ^2 /NDF: 156486.5/23

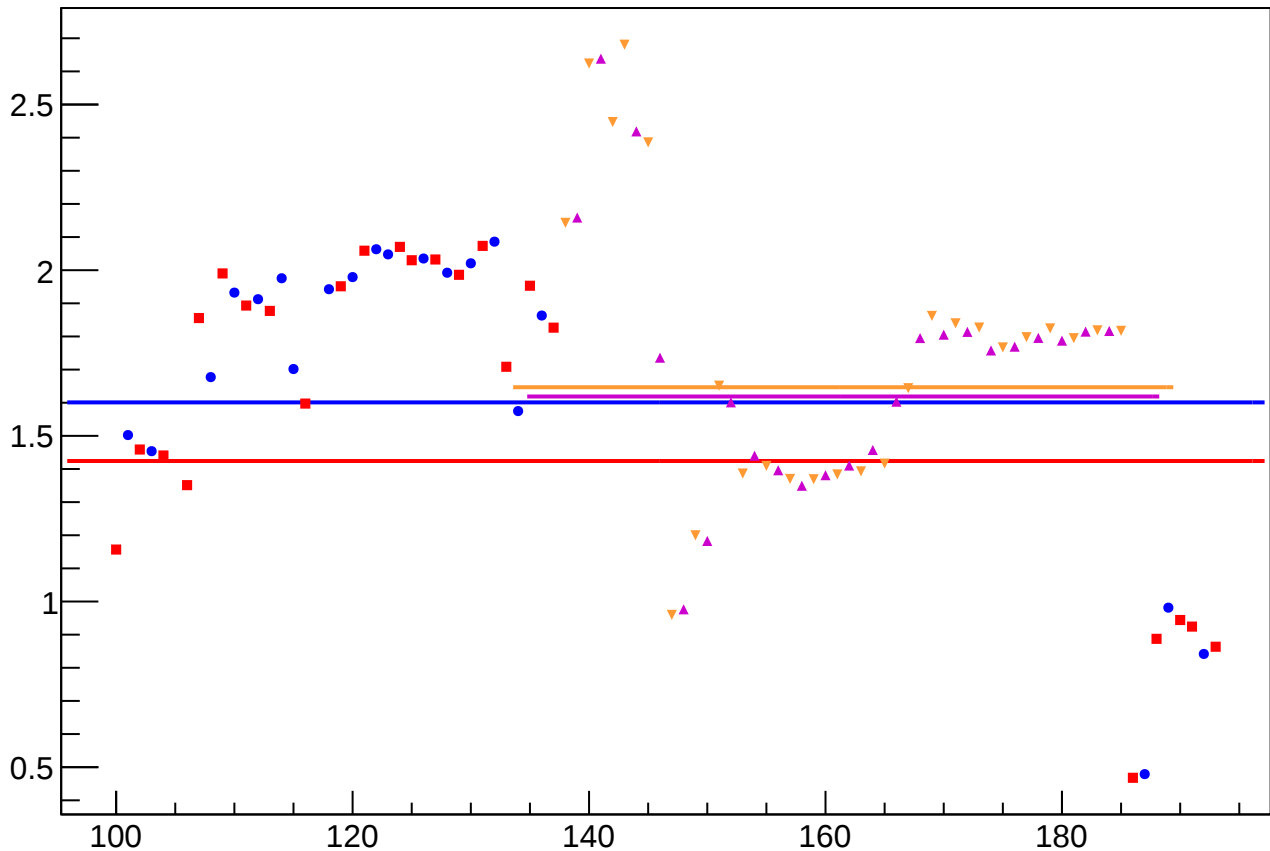
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.085 $\pm$ 0.000 χ^2 /NDF: 398378.0/44

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 808848.1/91

- sign 0.086 $\pm$ 0.000 χ^2 /NDF: 408321.5/46

yield_bpm0r05Y_mean vs Slug



Right In: 1.601 $\pm$ 0.000 χ^2 /NDF: 6443673996.8/19

Left Out: 1.647 $\pm$ 0.000 χ^2 /NDF: 26535241545.7/24

Right Out: 1.424 $\pm$ 0.000 χ^2 /NDF: 9756632252.4/23

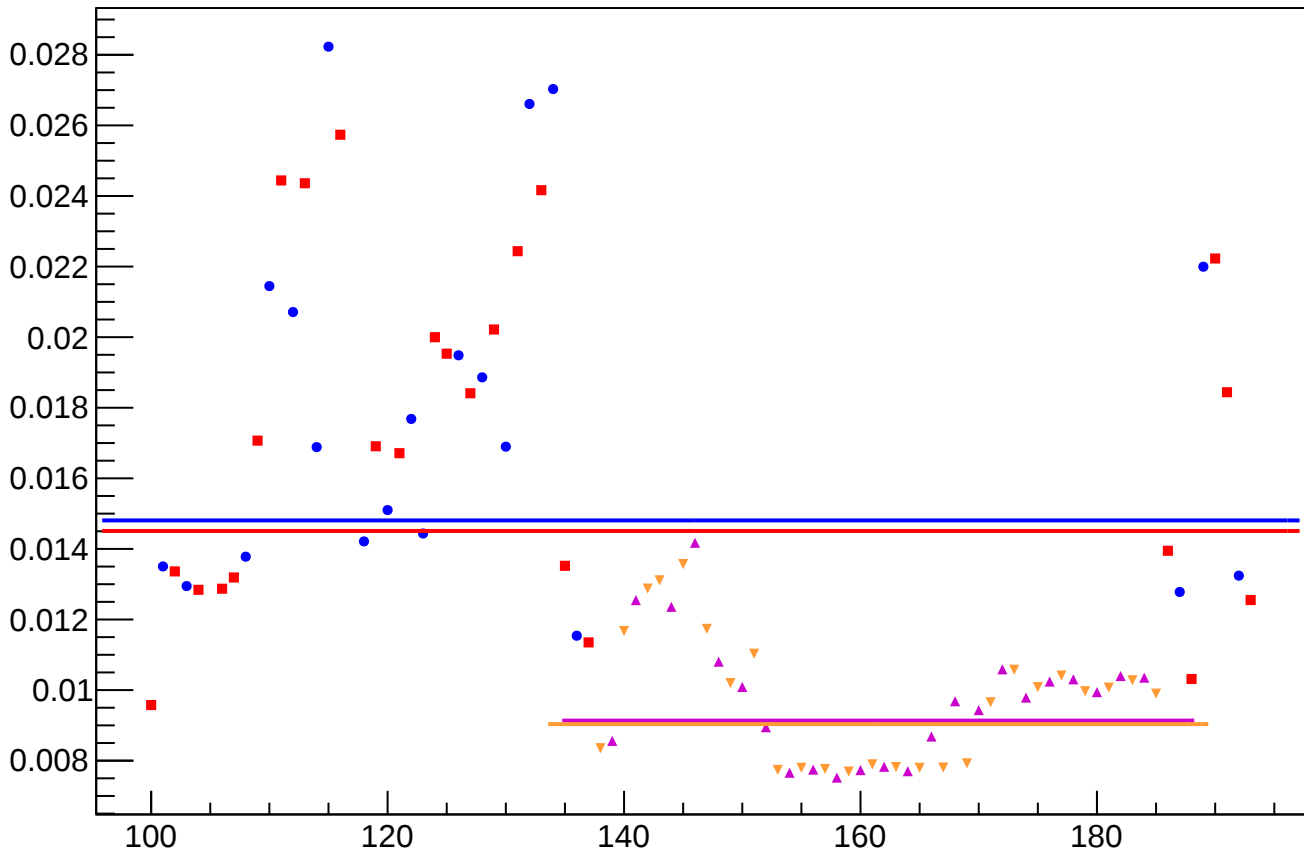
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.641 $\pm$ 0.000 χ^2 /NDF: 33037798395.2/44

All: 1.614 $\pm$ 0.000 χ^2 /NDF: 64970345684.7/9

- sign 1.586 $\pm$ 0.000 χ^2 /NDF: 31586130207.7/46

yield_bpm0r05Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 765073.1/19

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1042871.8/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1216817.5/23

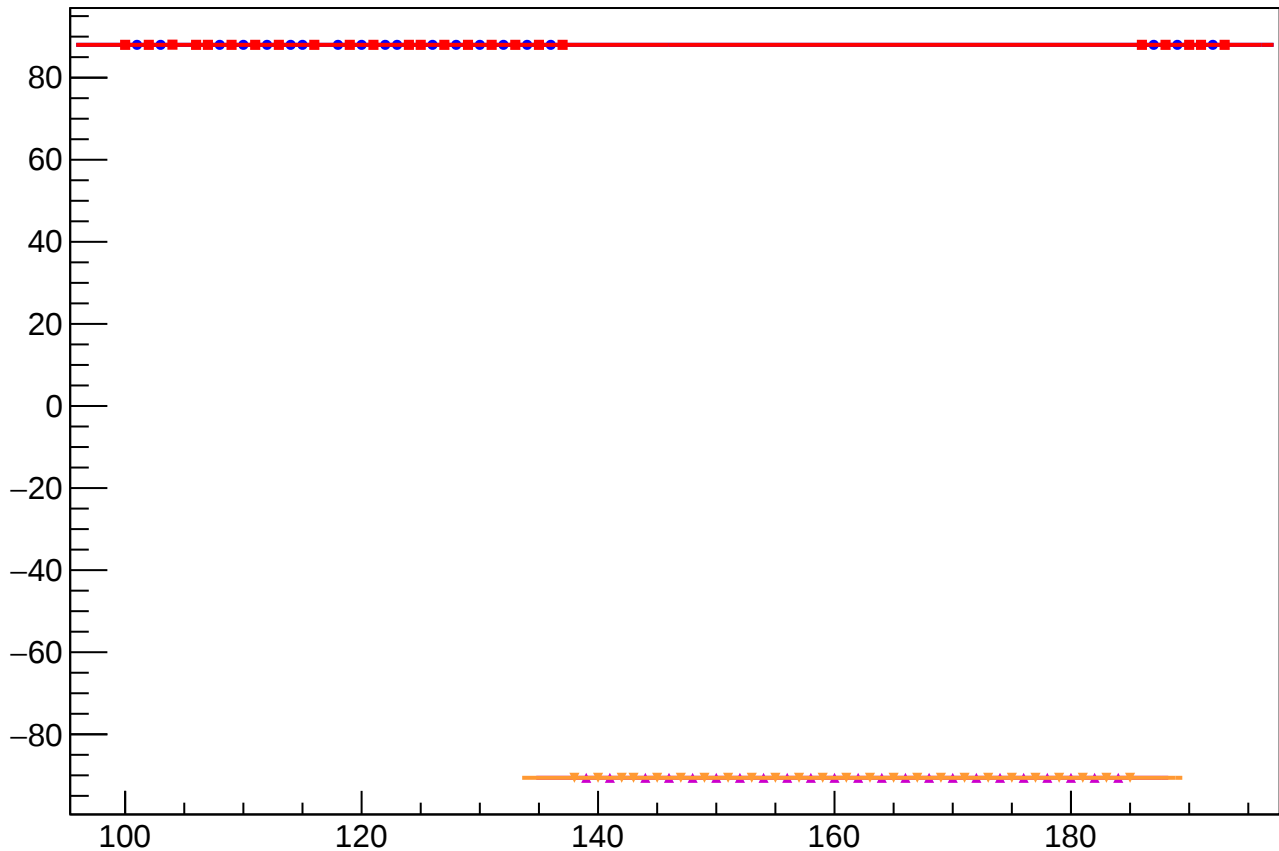
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:878356.2/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3679253.6/44

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 7631423.3/91

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3941072.4/46

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 2372893.6/19

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.003 $\pm$ 0.000 χ^2 /NDF: 79137080606842312688540844032.0/23

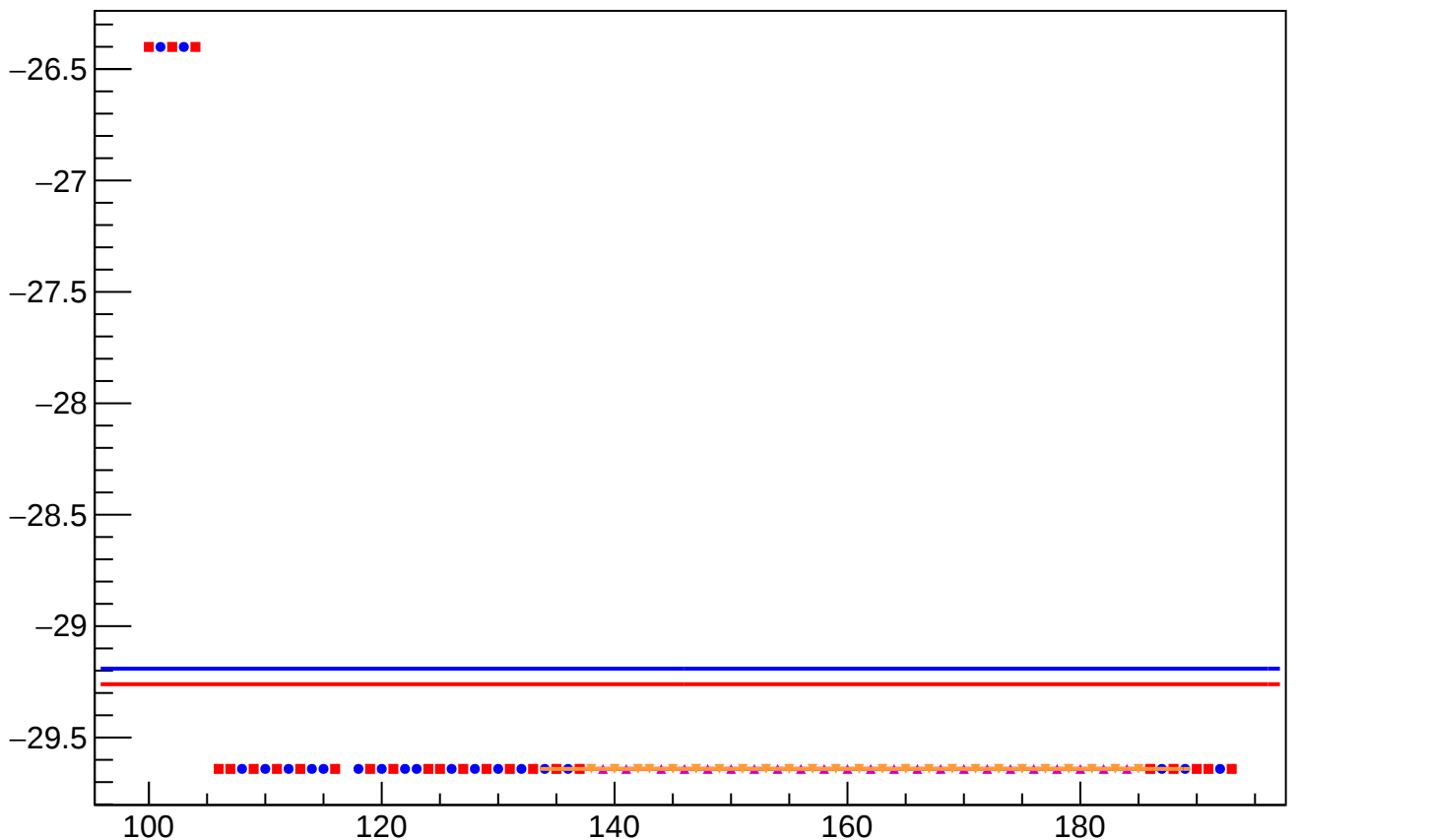
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -35.496 $\pm$ 0.000 χ^2 /NDF: 187480115172413

All: -31.313 $\pm$ 0.000 χ^2 /NDF: 391885698813

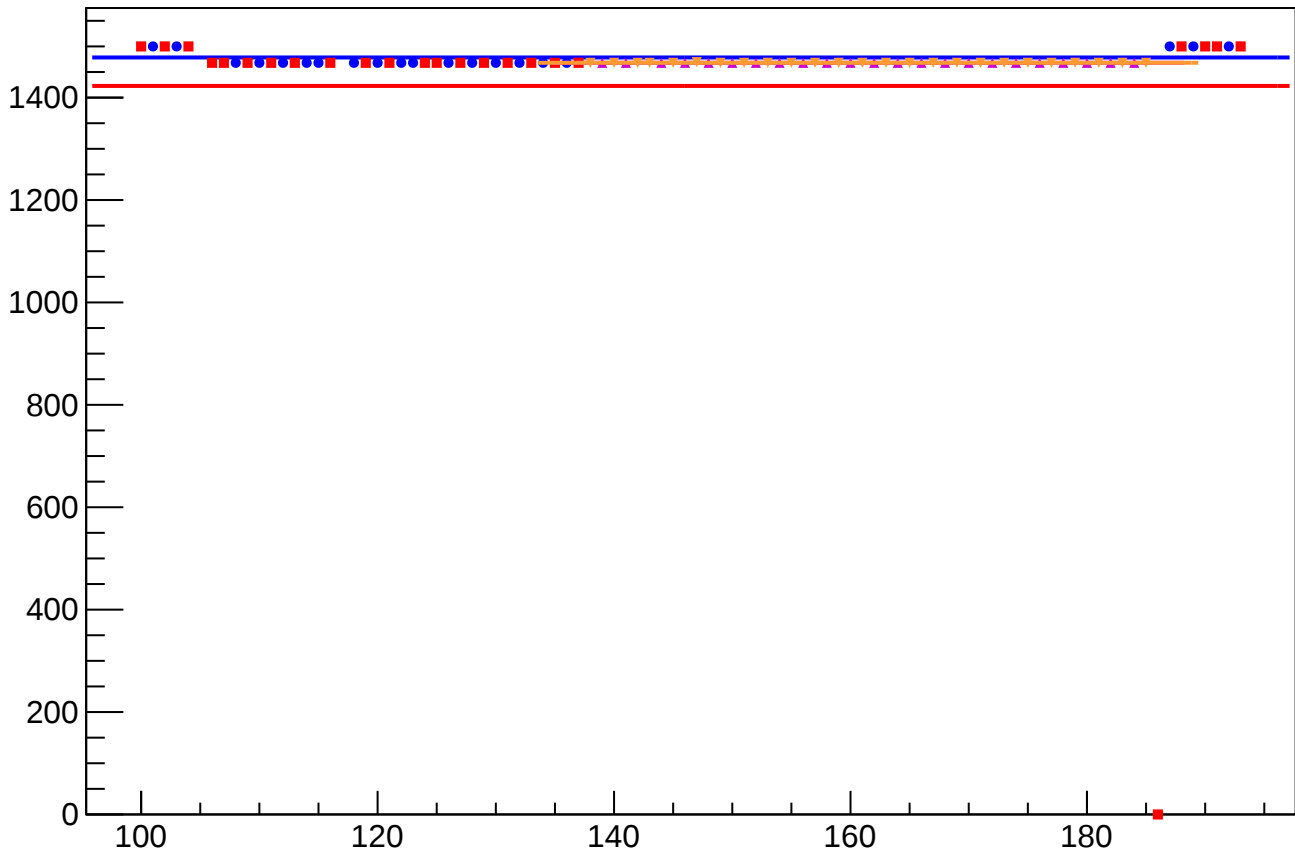
- sign -27.175 $\pm$ 0.000 χ^2 /NDF: 2034466200564838

epics_HWienAngles_mean vs Slug



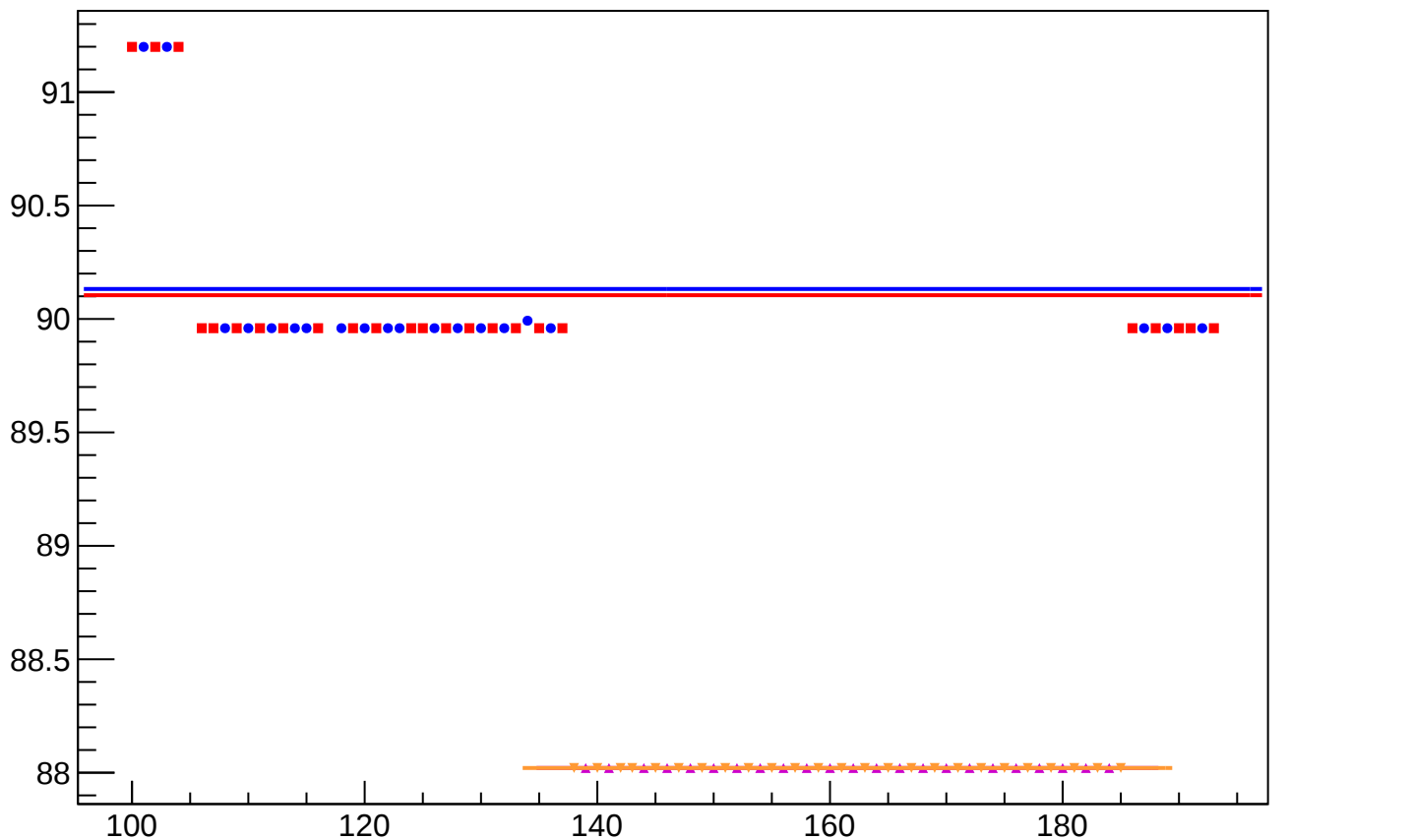
Right In: -29.191+/-0.000 χ^2/NDF : 1066753761882362033178054492160000.0/19
 Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24 + sign -29.502+/-0.000 χ^2/NDF : 118566105321232
 Right Out: -29.261+/-0.000 χ^2/NDF : 1074894799595553195594231423434752.0/23 All: -29.504+/-0.000 χ^2/NDF : 235268269862
 Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22 - sign -29.506+/-0.000 χ^2/NDF : 1167001418455990

epics_psub_pl_poss_mean vs Slug



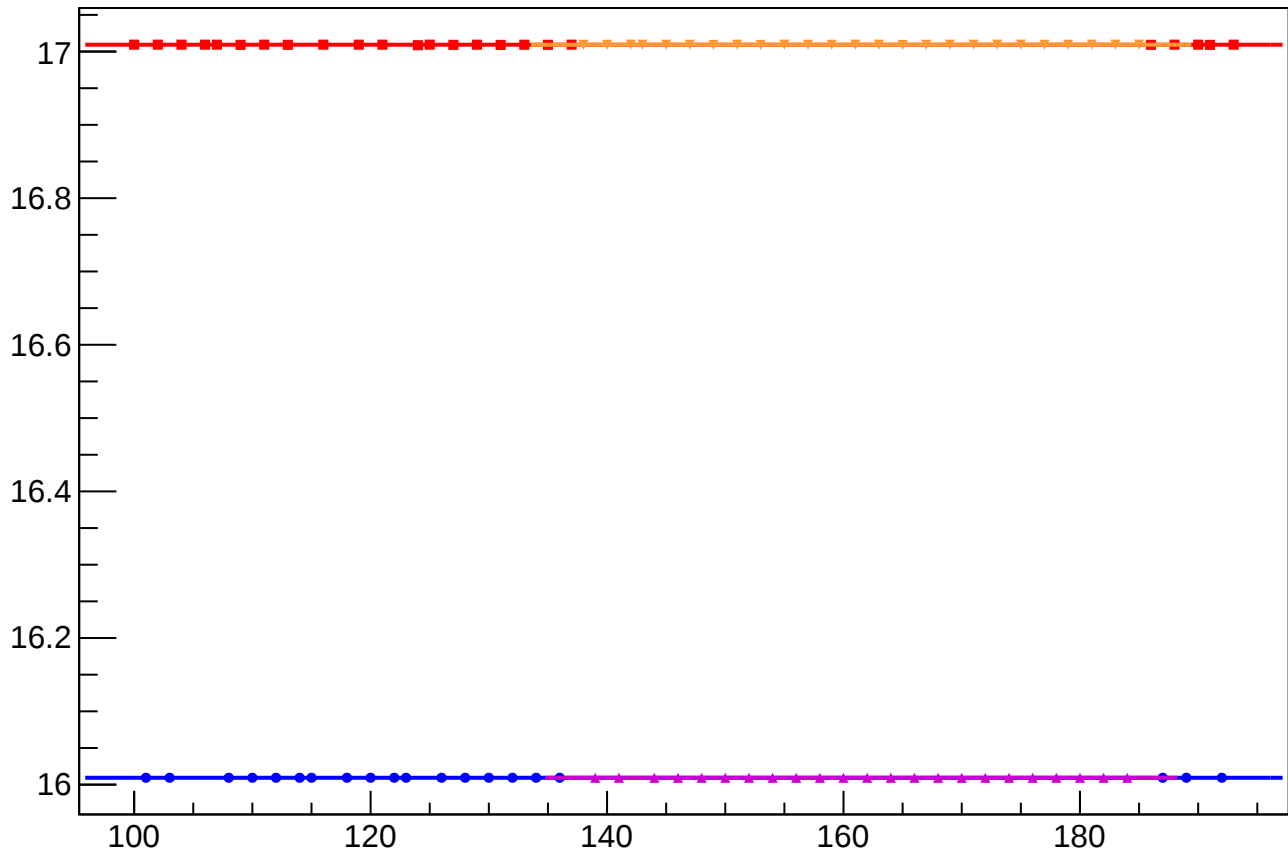
Right In: 1478.415+/-0.000 χ^2/NDF : 191468028823888560735456011933974528.0/19
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24
 Right Out: 1422.811+/-0.000 χ^2/NDF : 80225628204801610326911845057867808768.0/23
 Left In: 1467.994+/-0.000 χ^2/NDF : 14449772795444989723550941184.0/22
 All: 1461.545+/-0.000 χ^2/NDF : 82298182032.0/23
 + sign 1471.246+/-0.000 χ^2/NDF : 25475937612958.0/24
 - sign 1451.949+/-0.000 χ^2/NDF : 81527660788482.0/24

epics_Phi_FGs_mean vs Slug



Right In: 90.132 $\pm$ 0.000 χ^2 /NDF: 156032531019081029898158829731840.0/19
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5679798.5/24
 Right Out: 90.105 $\pm$ 0.000 χ^2 /NDF: 157441533670408041809459887996928.0/23
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6257169.0/22

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 114063.0/19

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 15759346531047270405636096.0/23

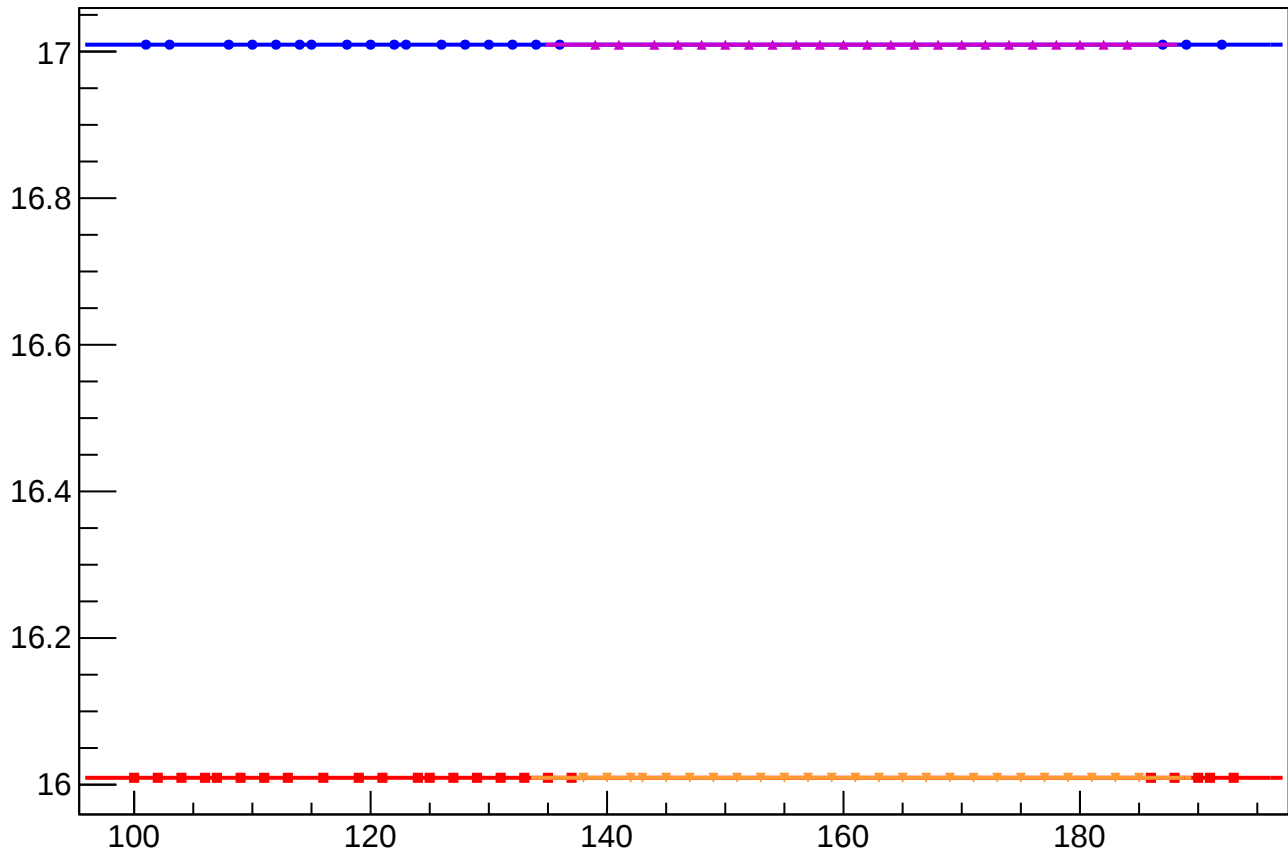
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.693 $\pm$ 0.000 χ^2 /NDF: 5593288679060804

All: 16.529 $\pm$ 0.000 χ^2 /NDF: 1292196385751

- sign 16.365 $\pm$ 0.000 χ^2 /NDF: 5936878816065262

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2 /NDF: 198868.7/19

Left Out: 16.009+/-0.000 χ^2 /NDF: 61253.5/24

Right Out: 16.009+/-0.000 χ^2 /NDF: 187092.6/23

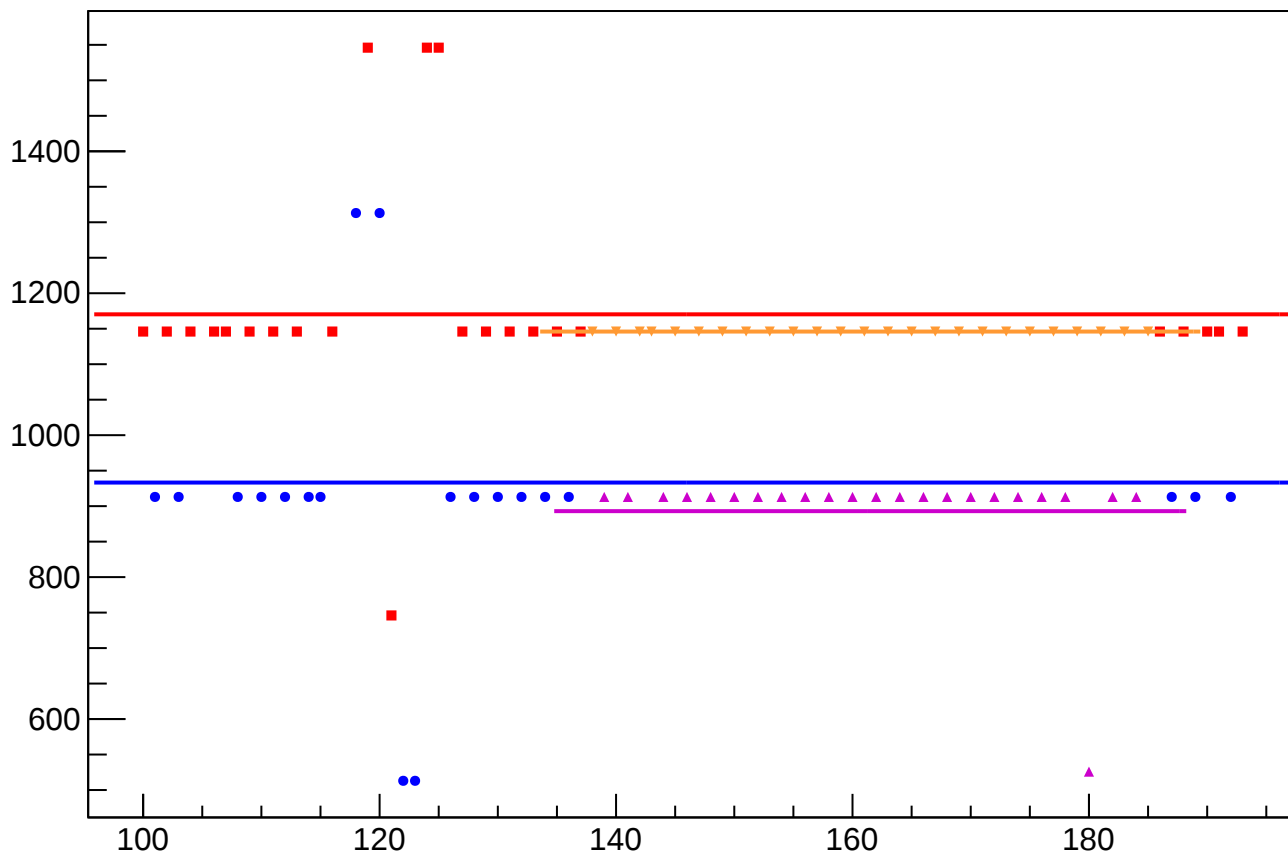
Left In: 17.009+/-0.000 χ^2 /NDF: 114986101427233622065152.0/22

+ sign 16.312+/-0.000 χ^2 /NDF: 5700844757317430

All: 16.482+/-0.000 χ^2 /NDF: 1354018613198

- sign 16.650+/-0.000 χ^2 /NDF: 6291532611853660

epics_RTPAPOSUCNTs_mean vs Slug



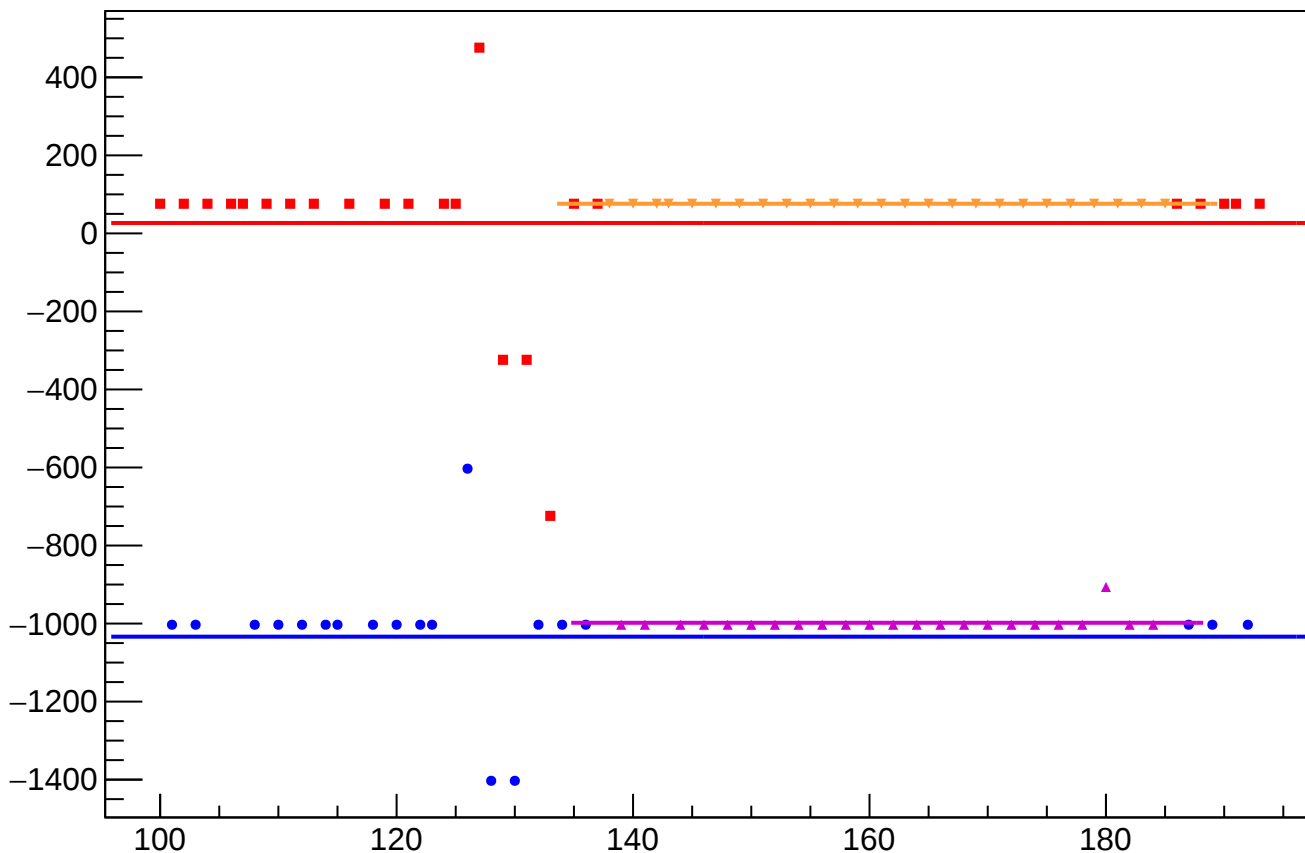
Right In: 933.230+/-0.000 χ^2/NDF : 20933291733432367671964991969506099200.0/19

Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24 + sign 1080.362+/-0.000 χ^2/NDF : 47544020640655

Right Out: 1170.277+/-0.000 χ^2/NDF : 21498283168083429110071645808913022976.0/23 All: 1035.657+/-0.000 χ^2/NDF : 14226126909

Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22 - sign 991.434+/-0.000 χ^2/NDF : 837647213213628

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1033.578+/-0.000 χ^2/NDF : 22404361345744756860287620110348189696.0/19

Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24 + sign -266.330+/-0.000 χ^2/NDF : 74603384449040

Right Out: 26.667+/-0.000 χ^2/NDF : 4463177559746839861631863244386729984.0/23 All: -451.216+/-0.000 χ^2/NDF : 16484383855

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22 - sign -634.110+/-0.000 χ^2/NDF : 71507252990584