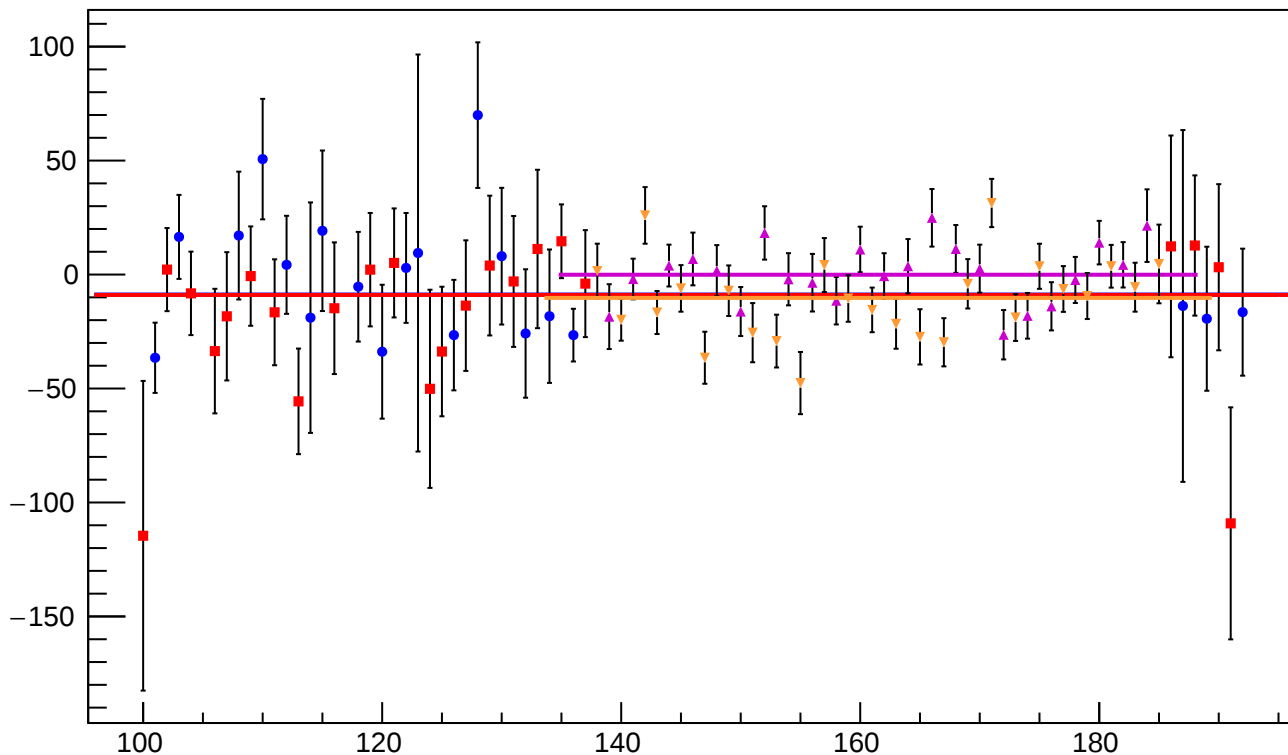


diff_bpm4aX_mean vs Slug



Right In: -8.774 ± 5.413

χ^2/NDF : 23.1/19

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -8.938 ± 5.461

χ^2/NDF : 17.7/22

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -10.035 ± 2.014

χ^2/NDF : 81.2/44

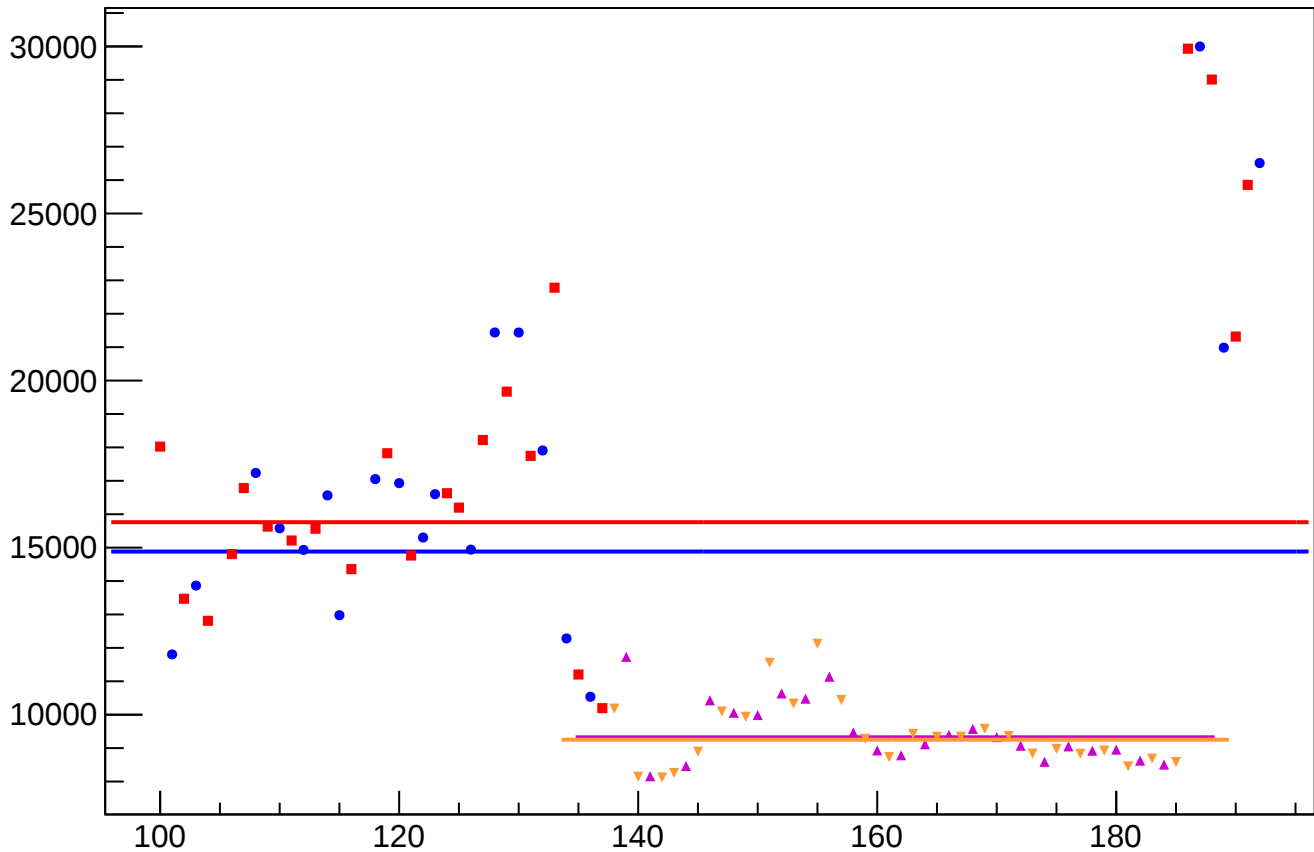
All: -5.841 ± 1.447

χ^2/NDF : 140.0/90

- sign -1.366 ± 2.081

χ^2/NDF : 49.8/45

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

Right Out: 15761.271+/-3.861 χ^2/NDF : 1190675.8/22

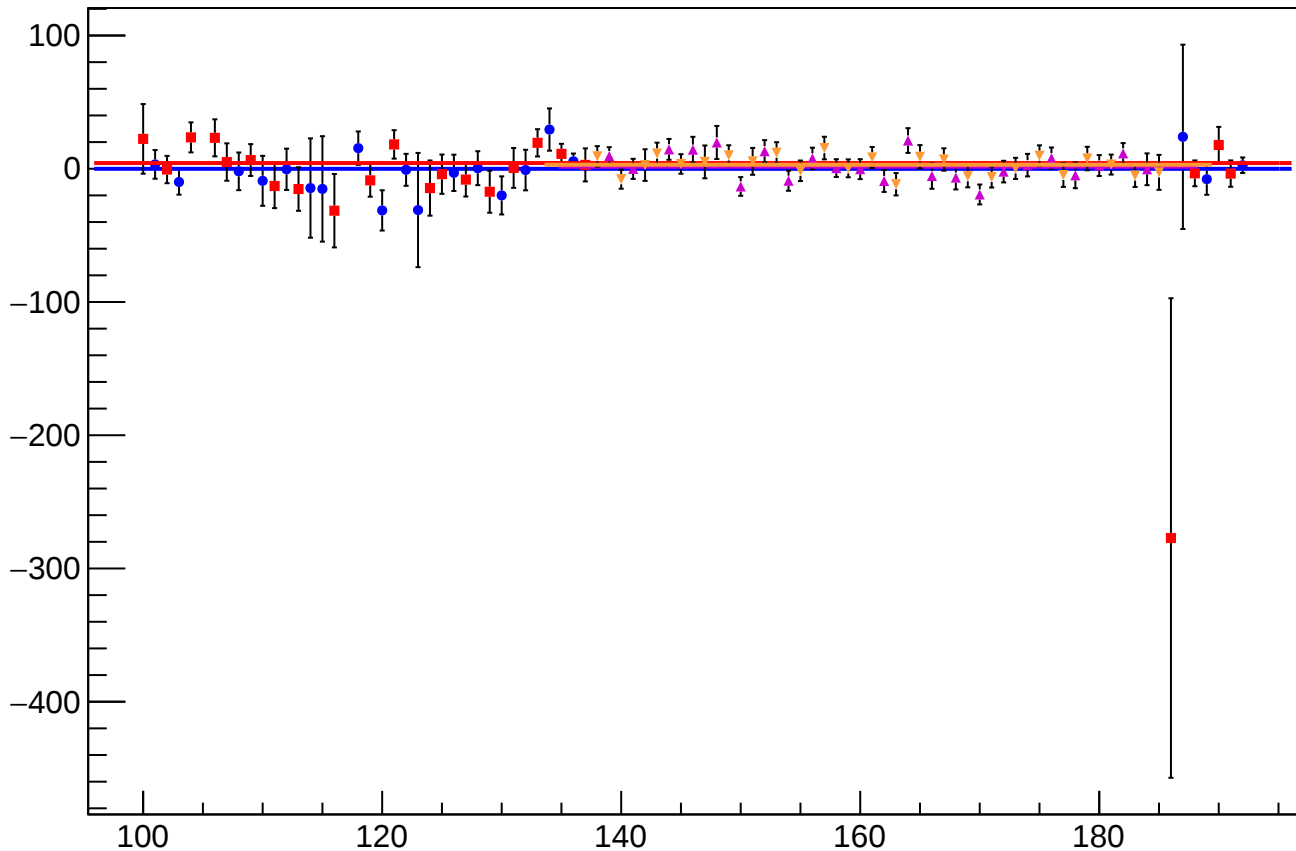
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

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

All: 10141.424+/-1.023 χ^2/NDF : 7189384.1/9

- sign 10258.611+/-1.471 χ^2/NDF : 3842127.3/45

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: 4.275 ± 2.655 χ^2/NDF : 24.3/22

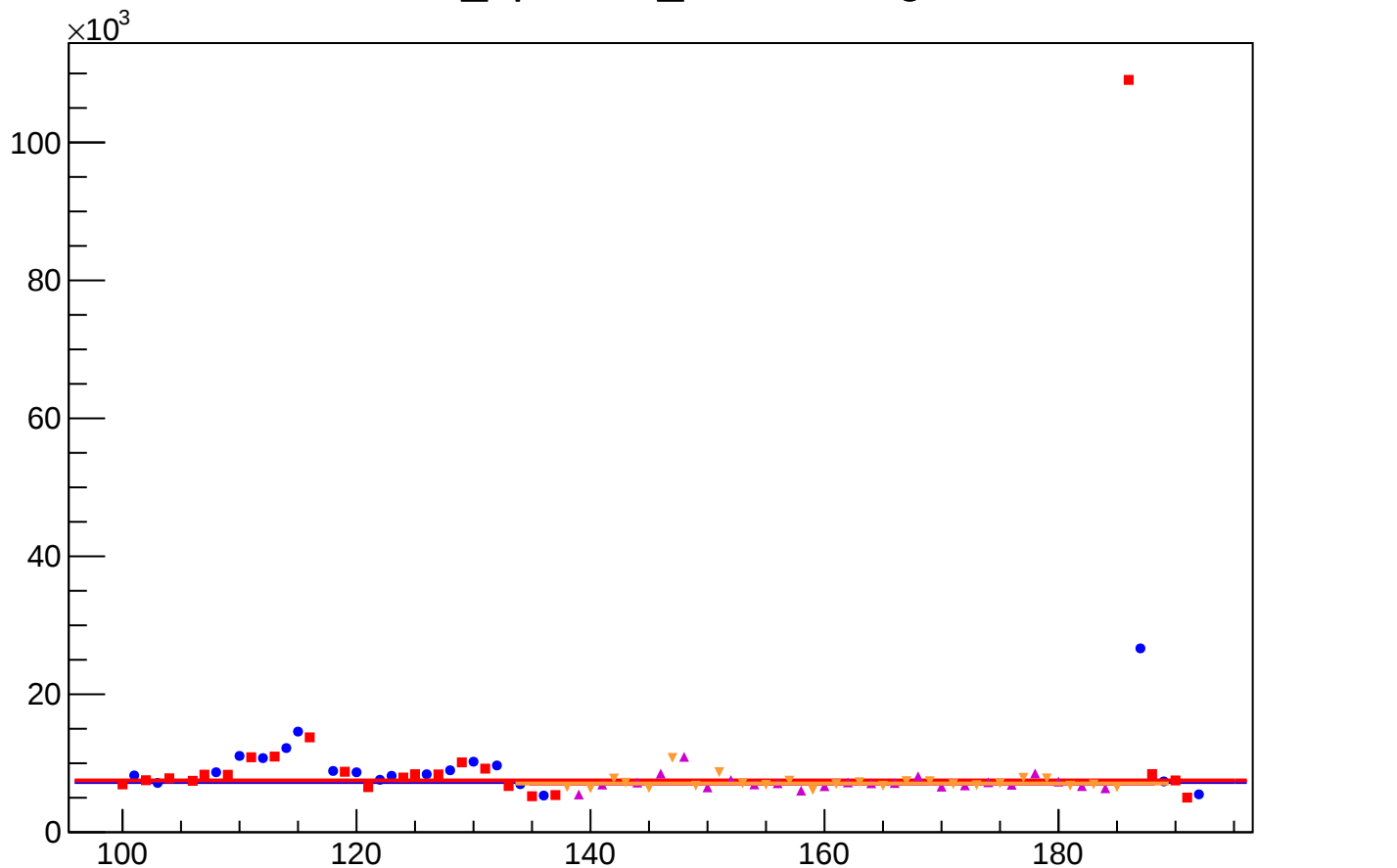
Left In: 1.588 ± 1.703 χ^2/NDF : 35.5/22

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

All: 2.263 ± 1.004 χ^2/NDF : 95.3/90

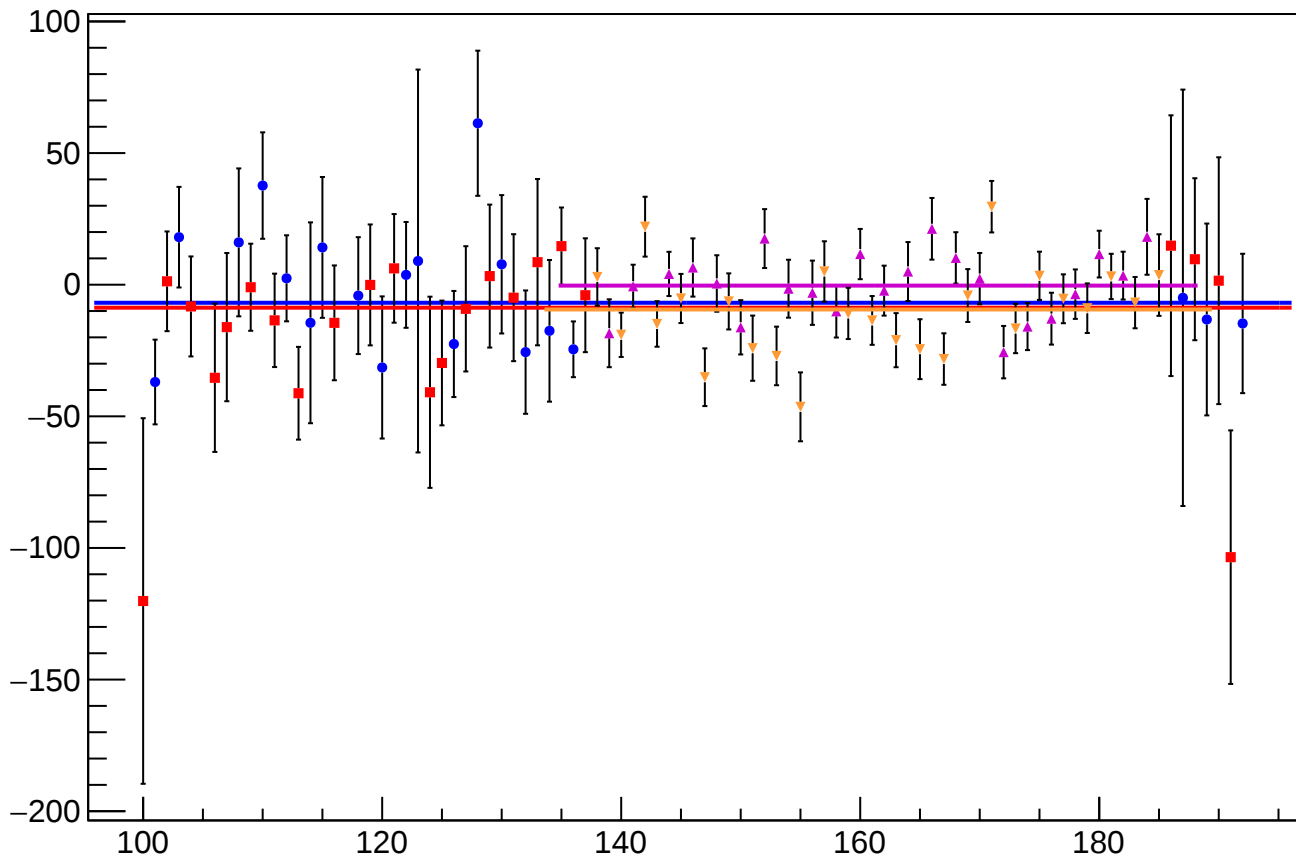
- sign 2.371 ± 1.433 χ^2/NDF : 60.6/45

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: 7141.393 ± 0.710 $\chi^2/\text{NDF}: 3569173.2/90$
 Right Out: 7504.555 ± 1.877 $\chi^2/\text{NDF}: 1467063.0/22$ - sign 7157.358 ± 1.013 $\chi^2/\text{NDF}: 2040646.9/45$
 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: -8.727 ± 4.867 χ^2/NDF : 17.4/22

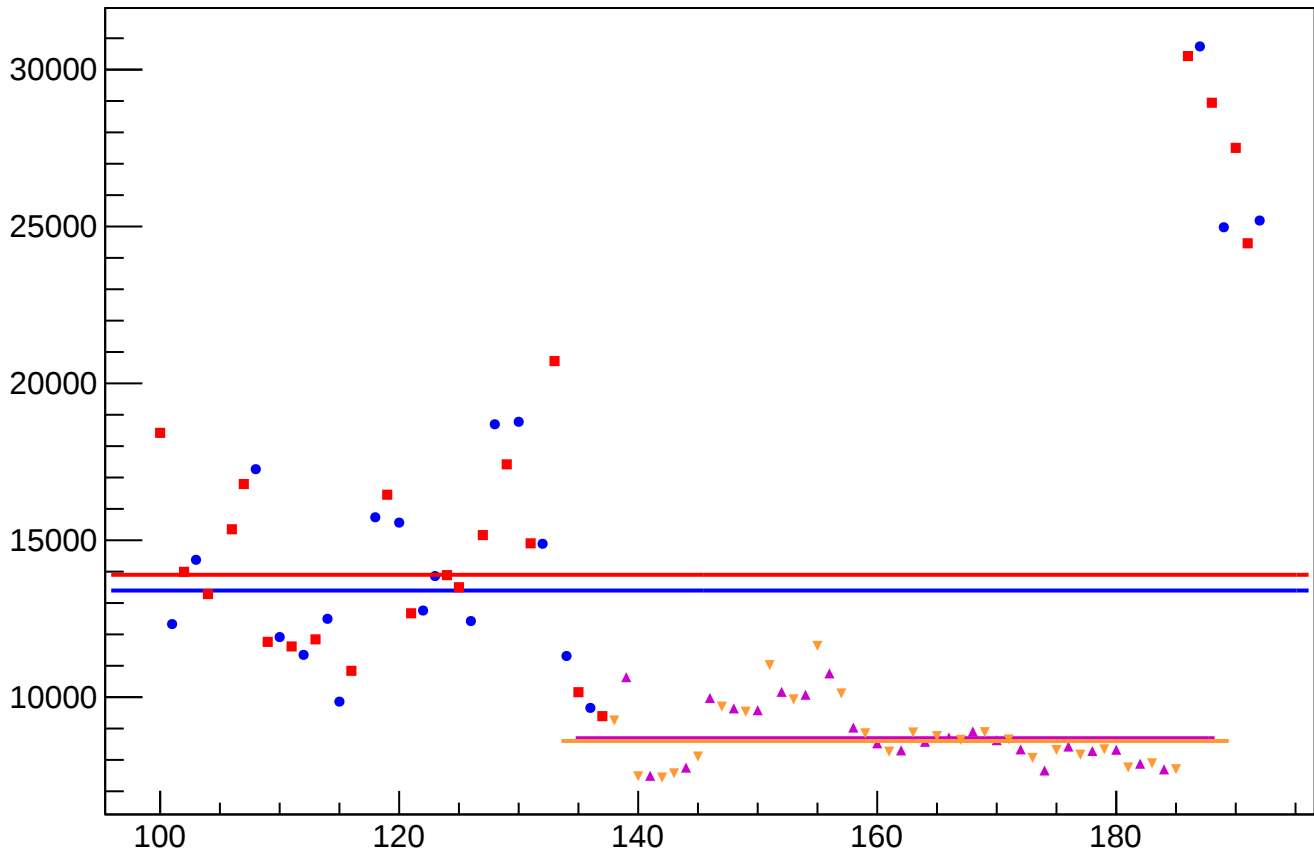
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

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

All: -5.468 ± 1.342 χ^2/NDF : 140.0/90

- sign -1.660 ± 1.929 χ^2/NDF : 49.9/45

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: 13900.052+/-3.442 χ^2/NDF : 1520893.8/22

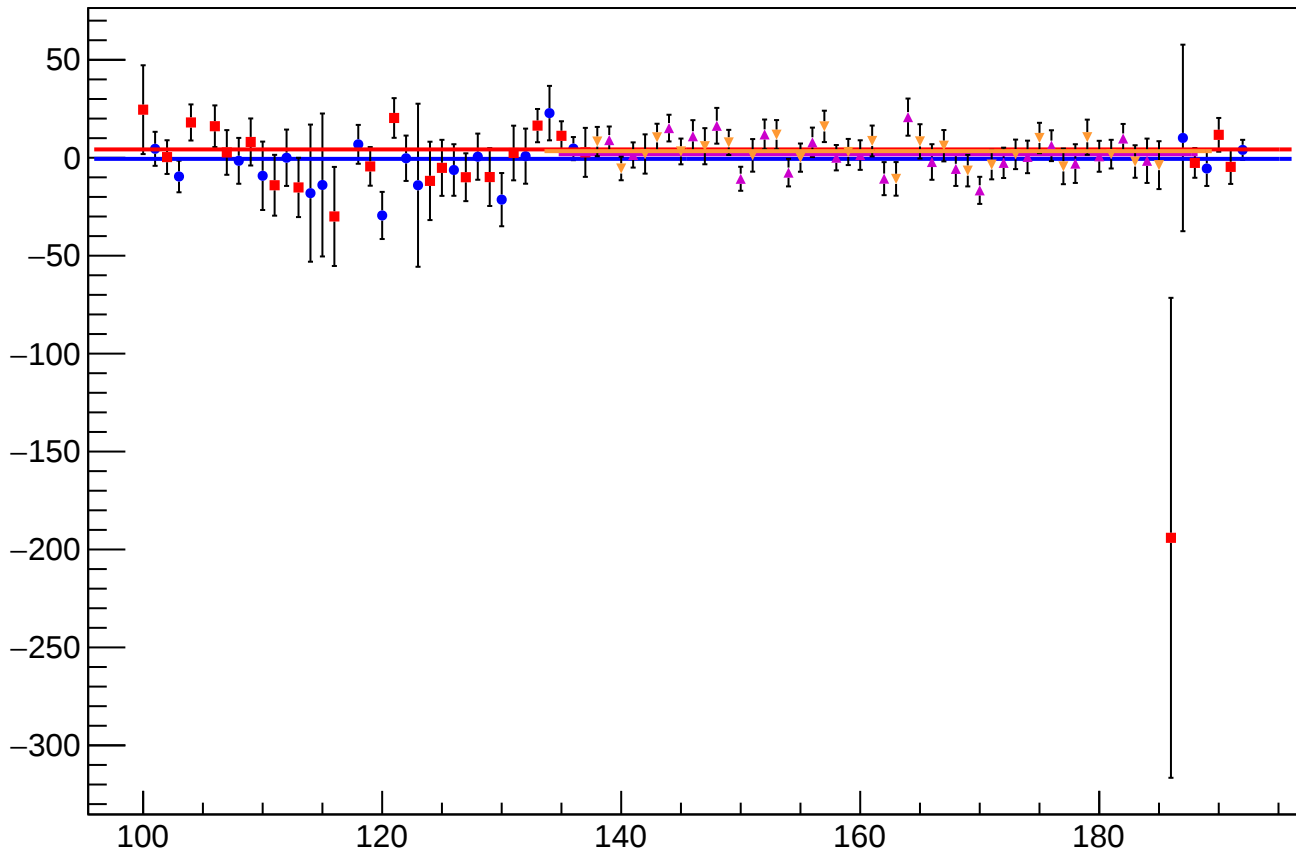
Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

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

All: 9402.602+/-0.949 χ^2/NDF : 7207120.5/90

- sign 9508.986+/-1.364 χ^2/NDF : 3817077.8/45

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: 4.261 ± 2.312 χ^2/NDF : 24.3/22

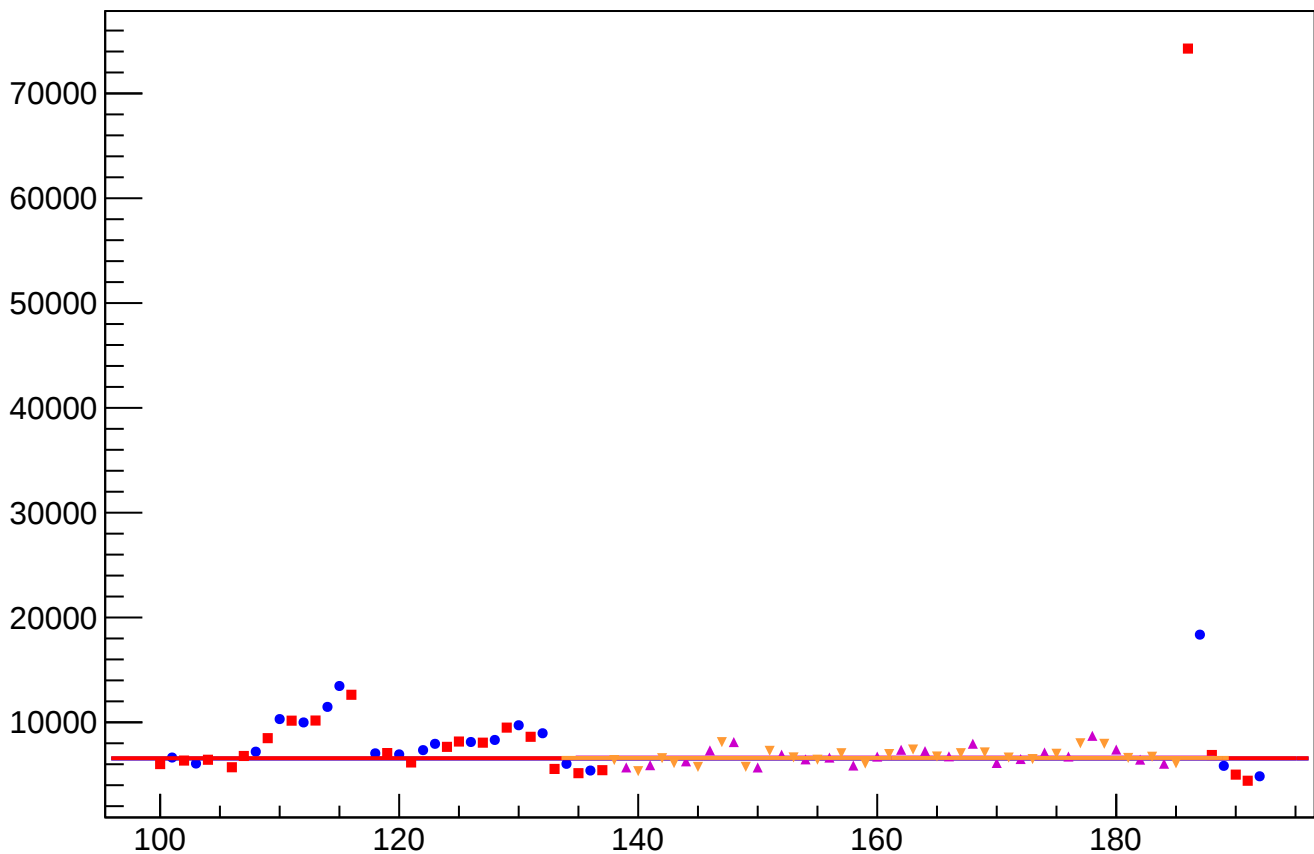
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

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

All: 2.376 ± 0.925 χ^2/NDF : 93.7/90

- sign 2.572 ± 1.320 χ^2/NDF : 58.6/45

diff_bpm4eY_rms vs Slug



Right In: 6542.518 ± 1.672 $\chi^2/\text{NDF}: 1024144.4/19$

Left Out: 6603.953 ± 1.097 $\chi^2/\text{NDF}: 395247.5/24$

Right Out: 6574.642 ± 1.635 $\chi^2/\text{NDF}: 1512263.2/22$

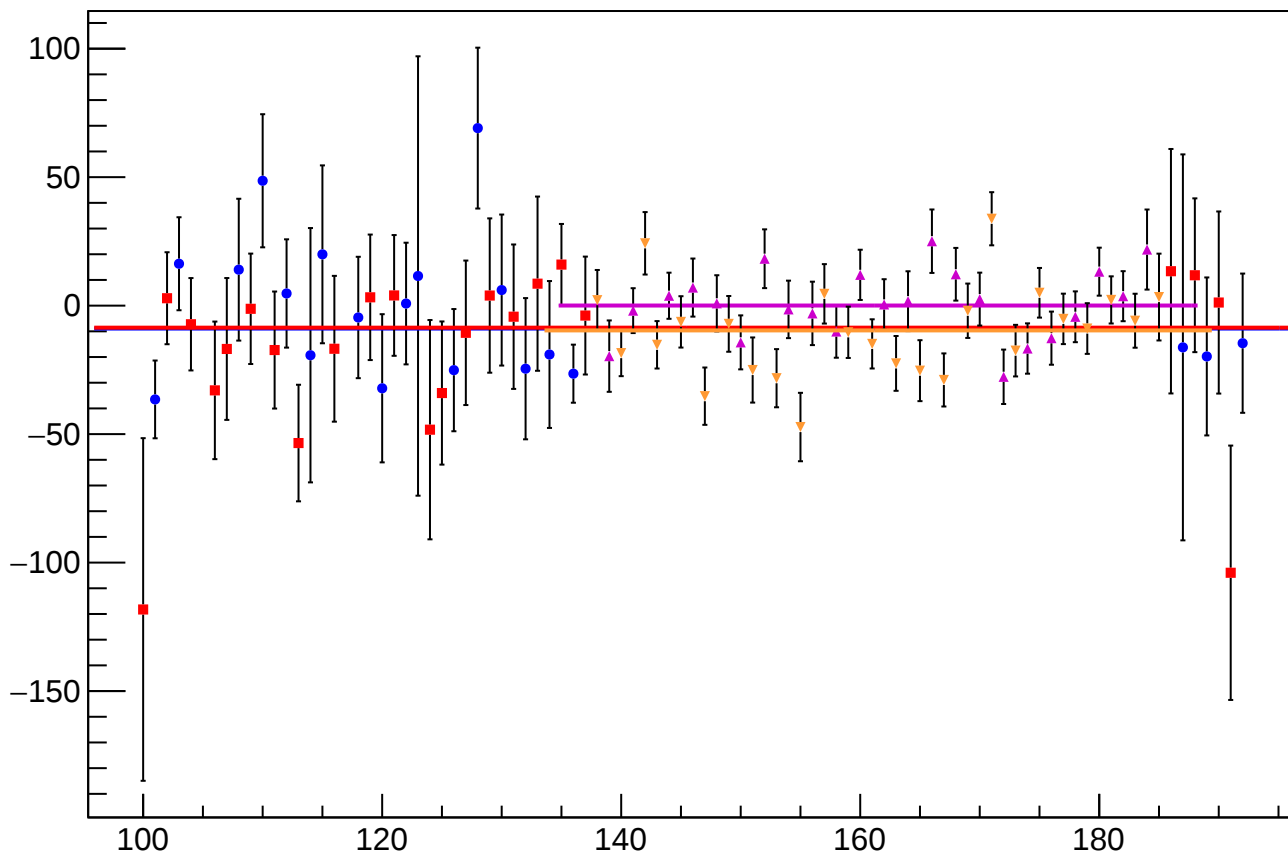
Left In: 6637.155 ± 1.136 $\chi^2/\text{NDF}: 415547.5/22$

+ sign 6585.459 ± 0.917 $\chi^2/\text{NDF}: 1420335.7/44$

All: 6600.861 ± 0.654 $\chi^2/\text{NDF}: 3349705.6/90$

- sign 6616.794 ± 0.933 $\chi^2/\text{NDF}: 1928796.5/45$

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: -8.573 ± 5.351 χ^2/NDF : 17.9/22

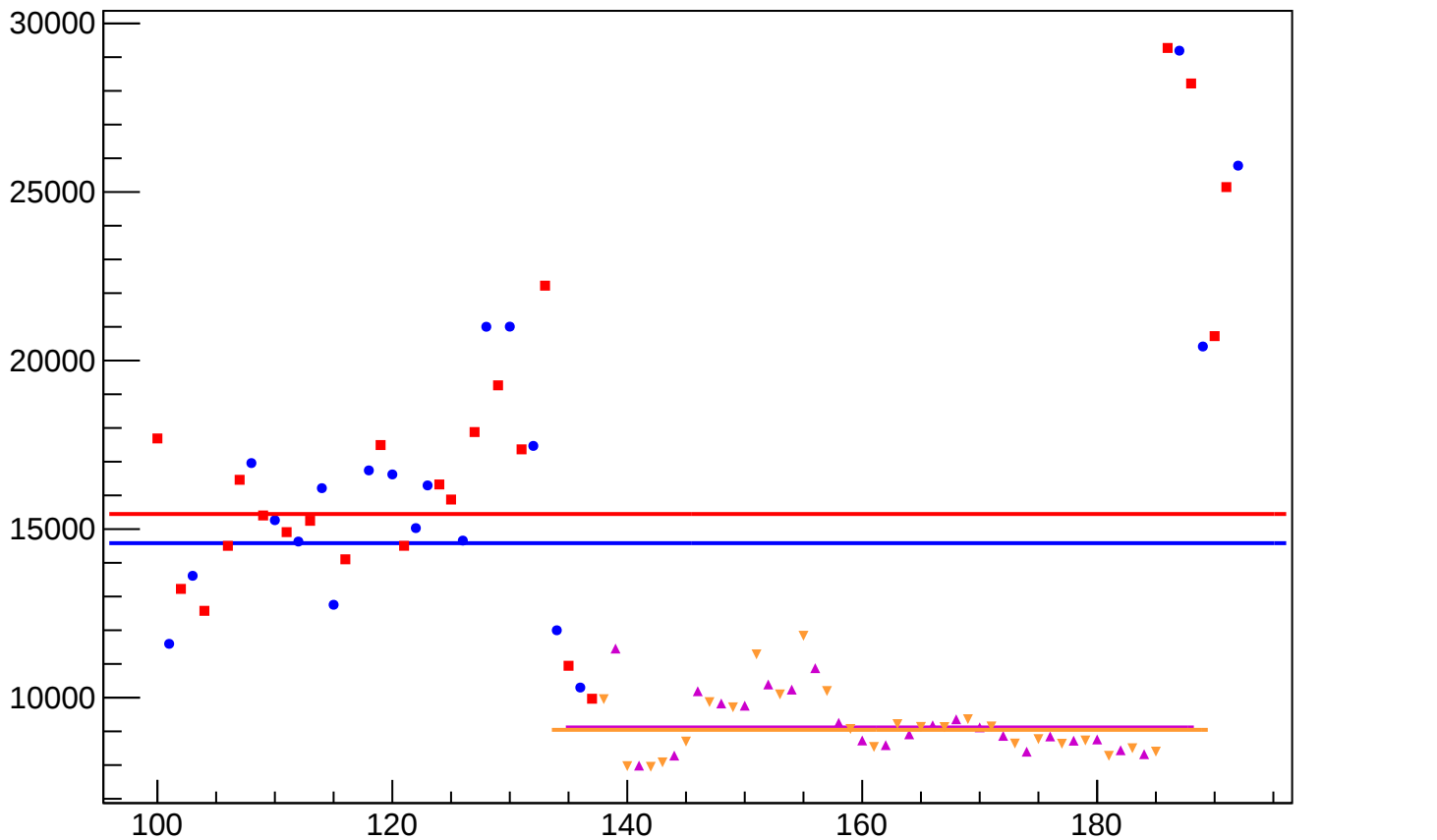
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

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

All: -5.507 ± 1.415 χ^2/NDF : 142.4/90

- sign -1.204 ± 2.035 χ^2/NDF : 50.9/45

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: 15448.038+/-3.783 χ^2/NDF : 1180699.5/22

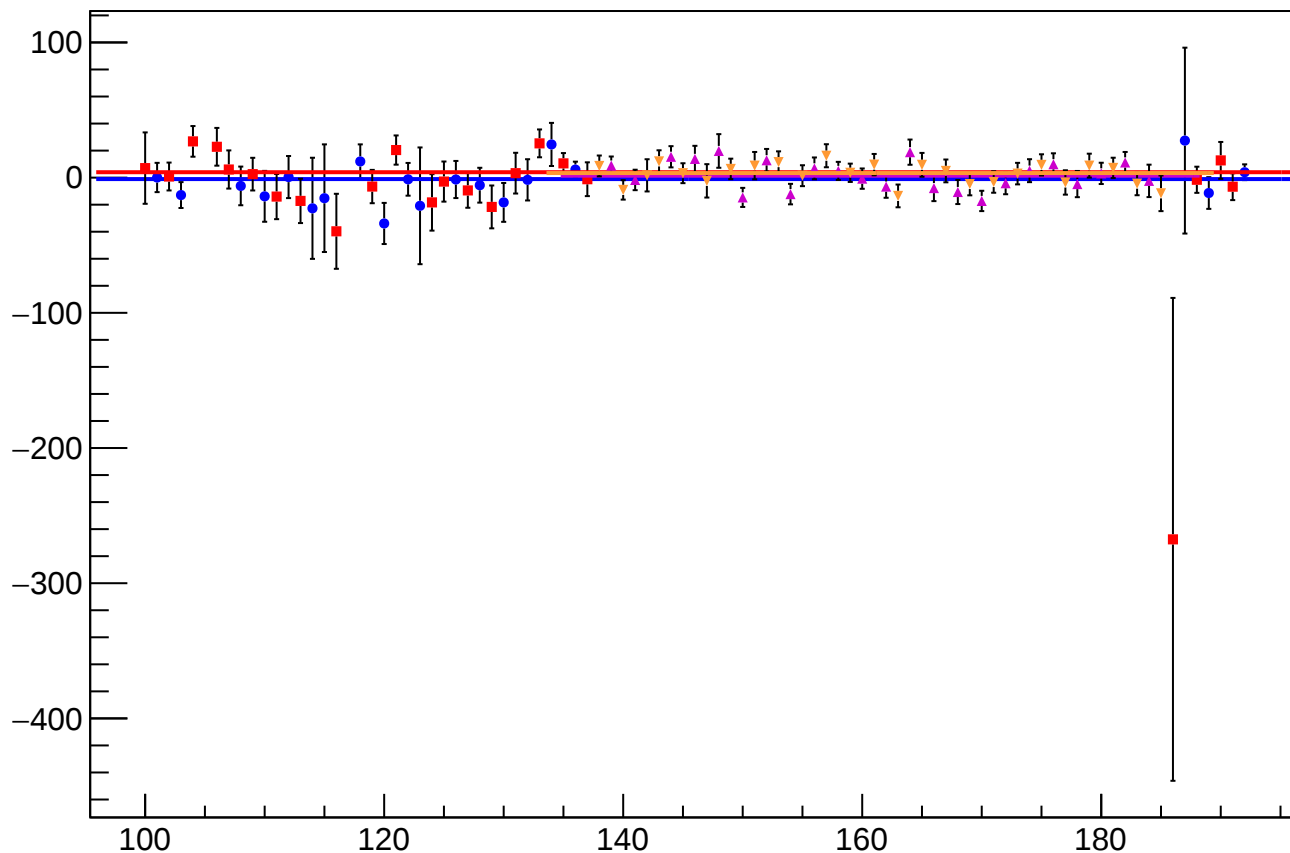
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

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

All: 9917.218+/-1.001 χ^2/NDF : 7200342.5/90

- sign 10031.623+/-1.439 χ^2/NDF : 3849176.4/45

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: 4.013 ± 2.673 $\chi^2/\text{NDF}: 28.9/22$

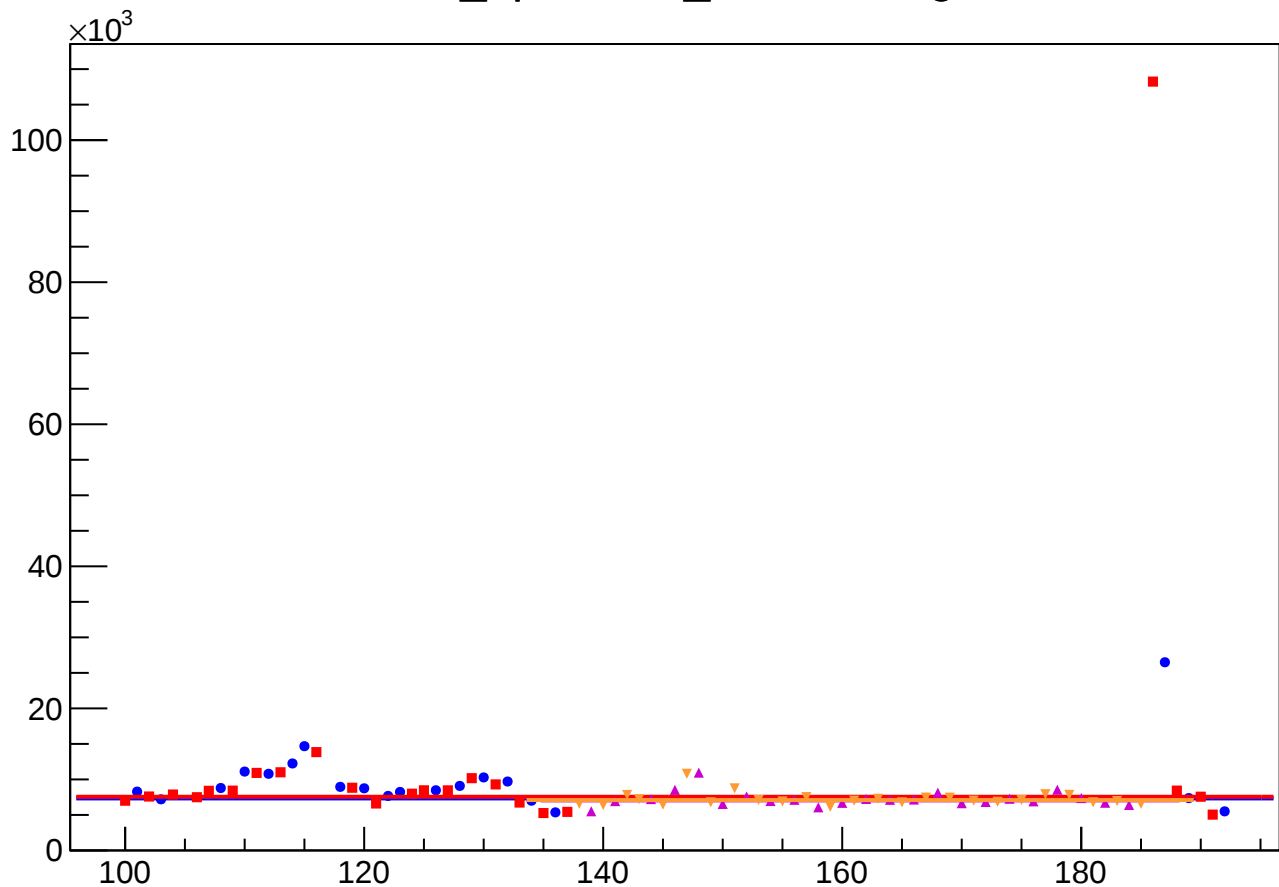
Left In: 1.479 ± 1.710 $\chi^2/\text{NDF}: 36.7/22$

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

All: 2.174 ± 1.009 $\chi^2/\text{NDF}: 103.5/90$

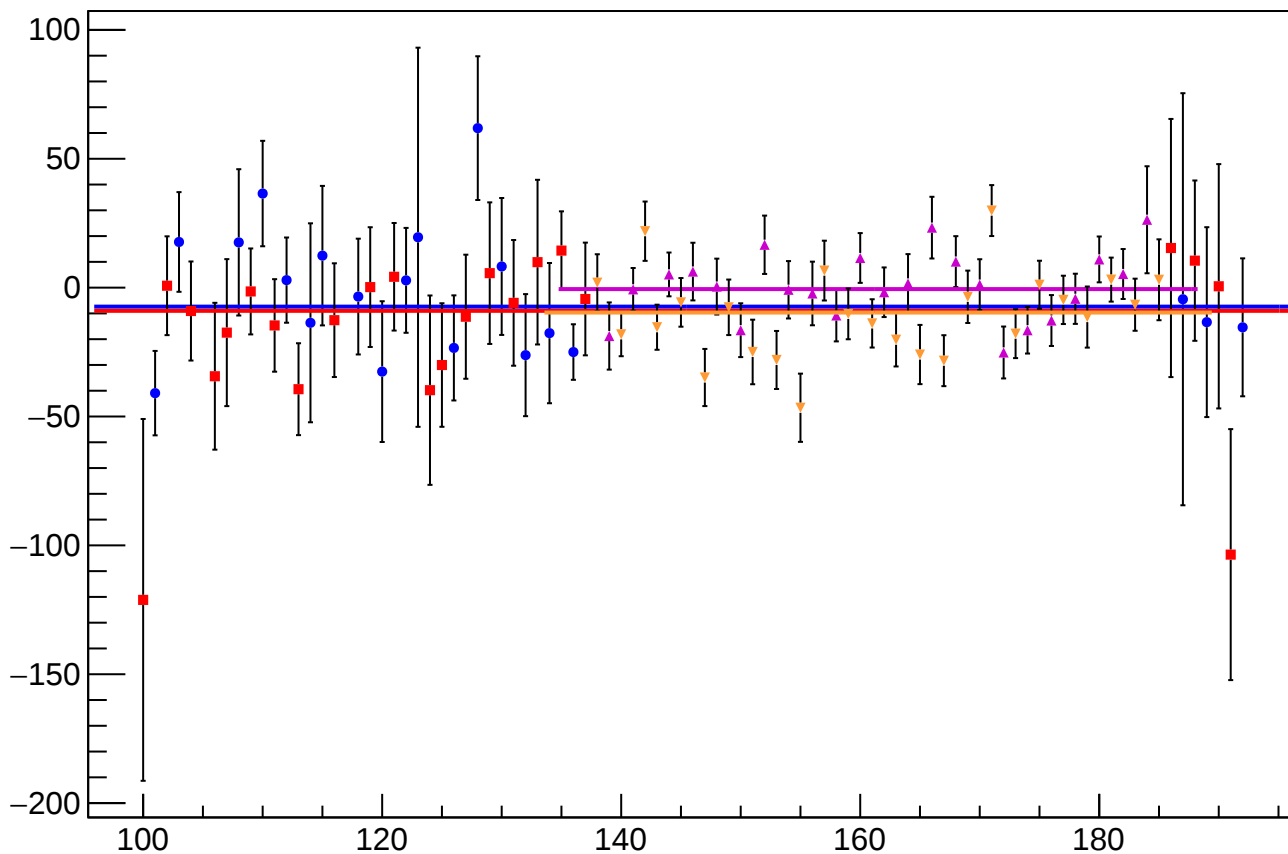
- sign 2.215 ± 1.441 $\chi^2/\text{NDF}: 66.3/45$

diff_bpm4acY_rms vs Slug



Right In: 7325.406+/-1.883 χ^2 /NDF: 1133761.1/19 + sign 7160.867+/-1.000 χ^2 /NDF: 1526328.2/44
Left Out: 7096.350+/-1.179 χ^2 /NDF:381942.1/24 All: 7177.942+/-0.713 χ^2 /NDF: 3555788.5/90
Right Out: 7558.090+/-1.890 χ^2 /NDF: 1459594.5/22 - sign 7195.674+/-1.019 χ^2 /NDF: 2028865.4/45
Left In: 7047.269+/-1.209 χ^2 /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: -8.998 ± 4.936 χ^2/NDF : 16.5/22

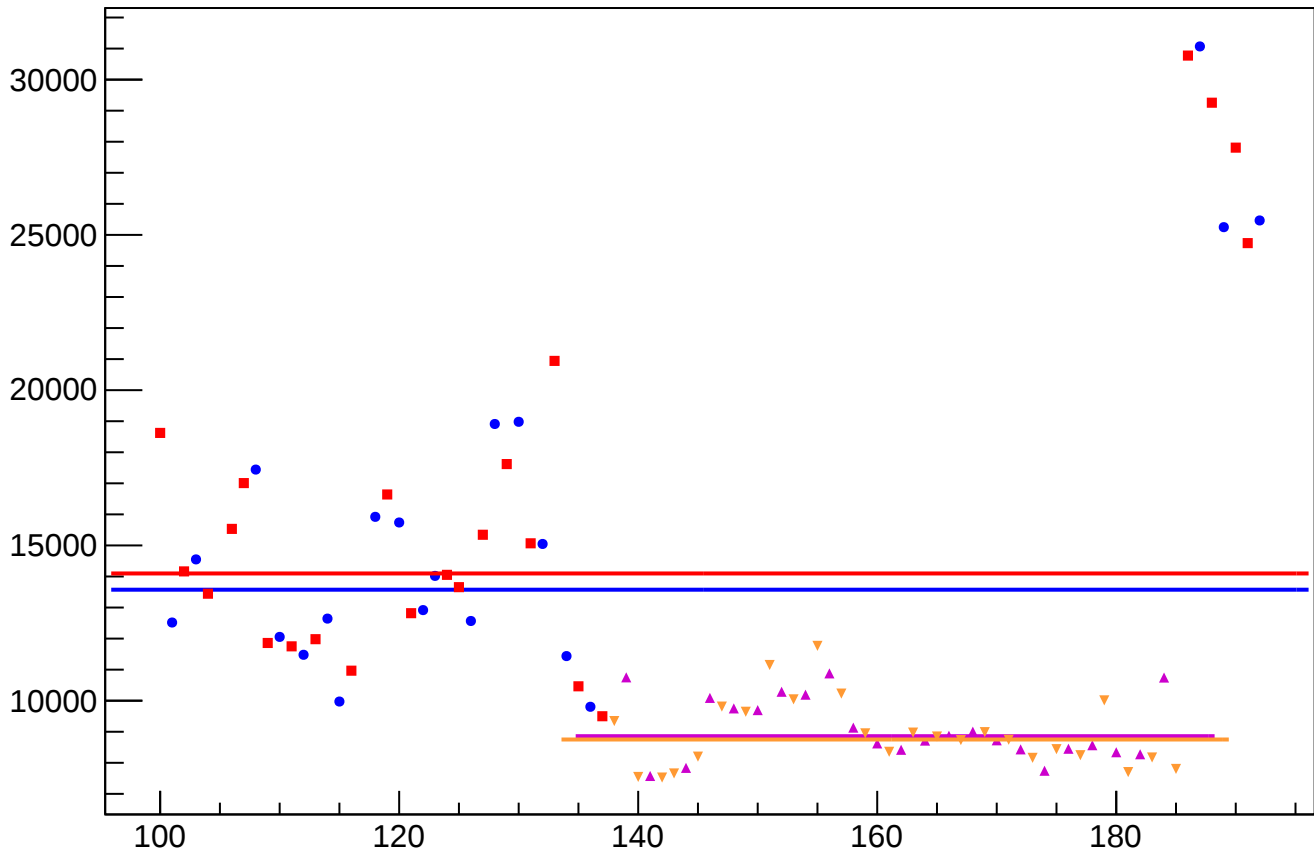
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

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

All: -5.739 ± 1.367 χ^2/NDF : 138.3/90

- sign -1.902 ± 1.966 χ^2/NDF : 48.7/45

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

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

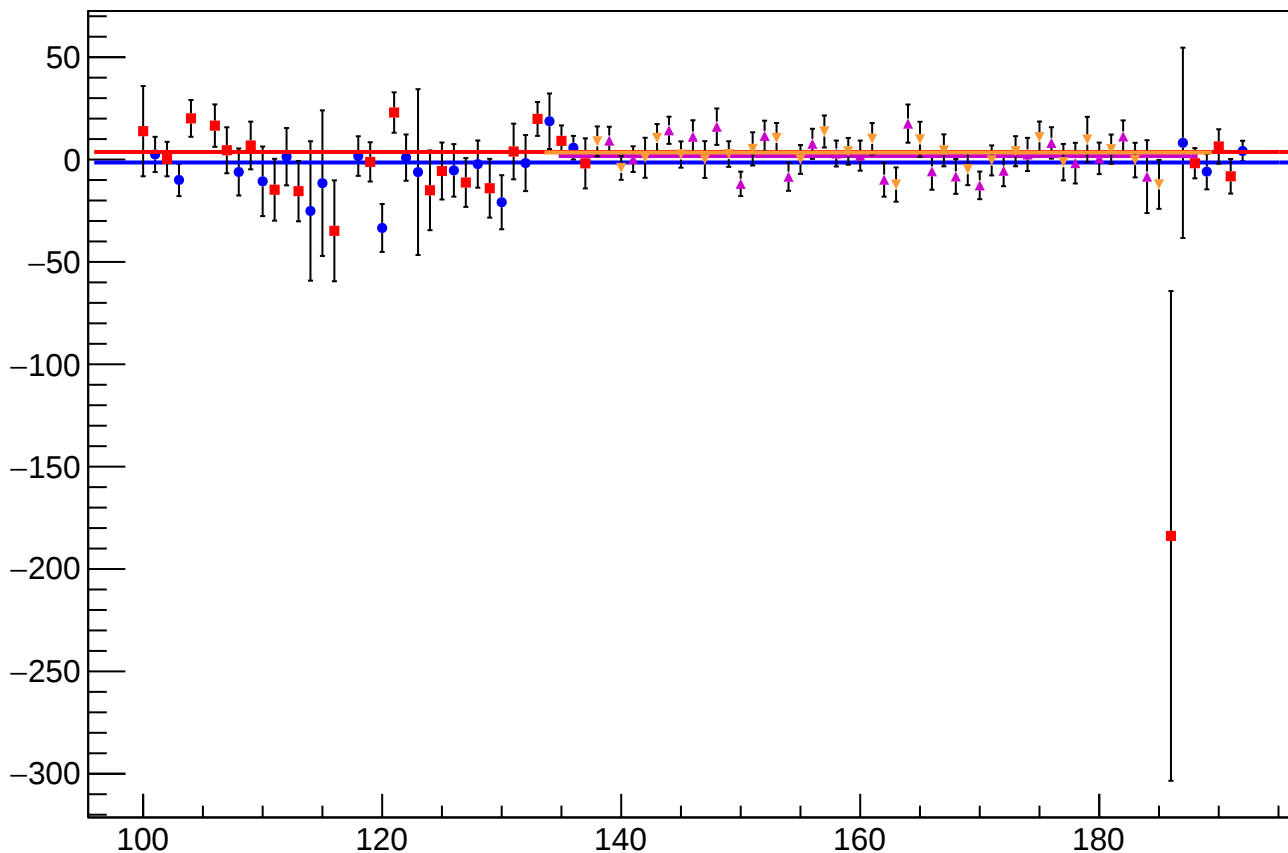
Right Out: 14097.492+/-3.490 χ^2/NDF : 1502940.8/22

All: 9572.090+/-0.967 χ^2/NDF : 7141634.2/90

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

- sign 9688.934+/-1.390 χ^2/NDF : 3761320.7/45

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: 3.712 ± 2.262 χ^2/NDF : 29.1/22

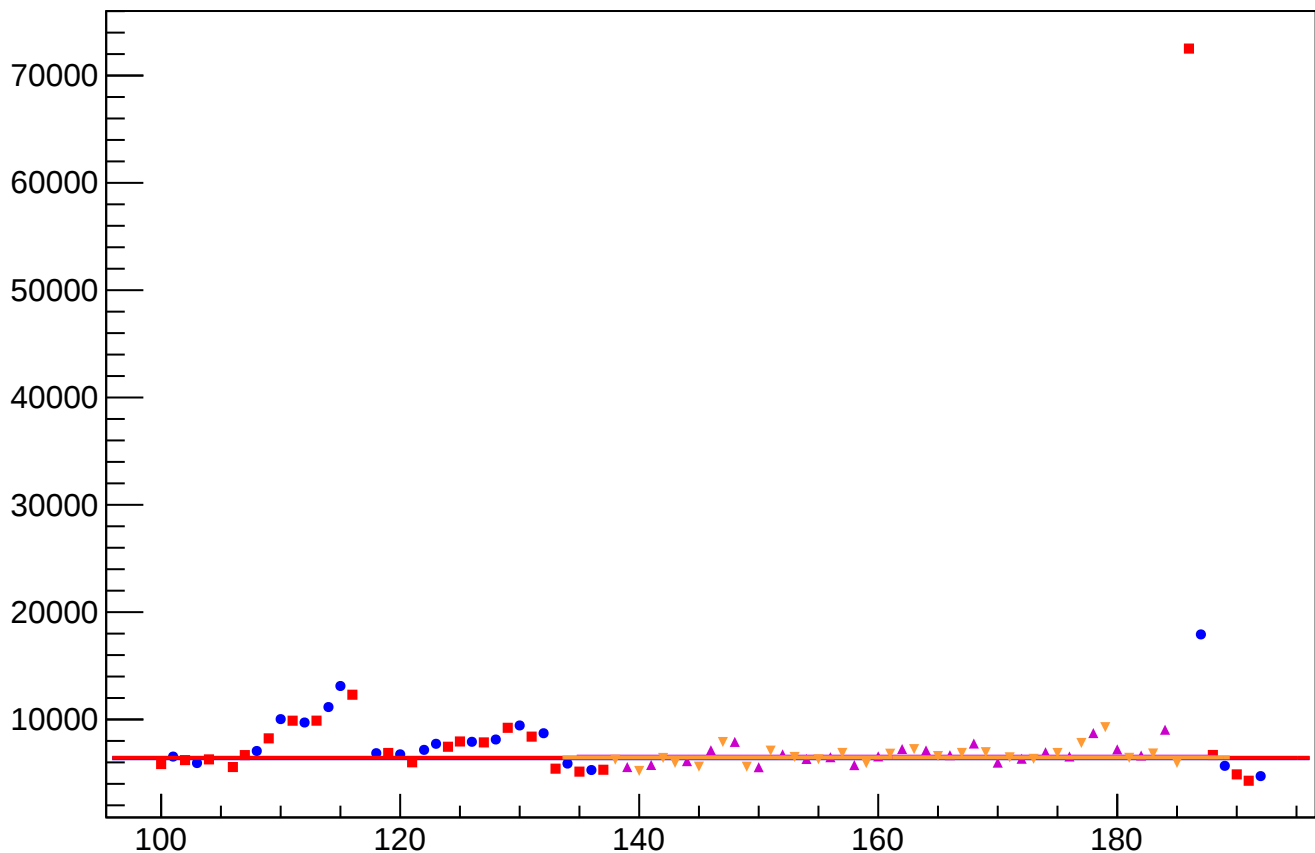
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

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

All: 2.167 ± 0.909 χ^2/NDF : 100.2/90

- sign 2.386 ± 1.299 χ^2/NDF : 63.2/45

diff_bpm4ecY_rms vs Slug



Right In: 6388.134+/-1.634 χ^2/NDF : 1020771.7/19

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

Right Out: 6429.093+/-1.600 χ^2/NDF : 1493481.3/22

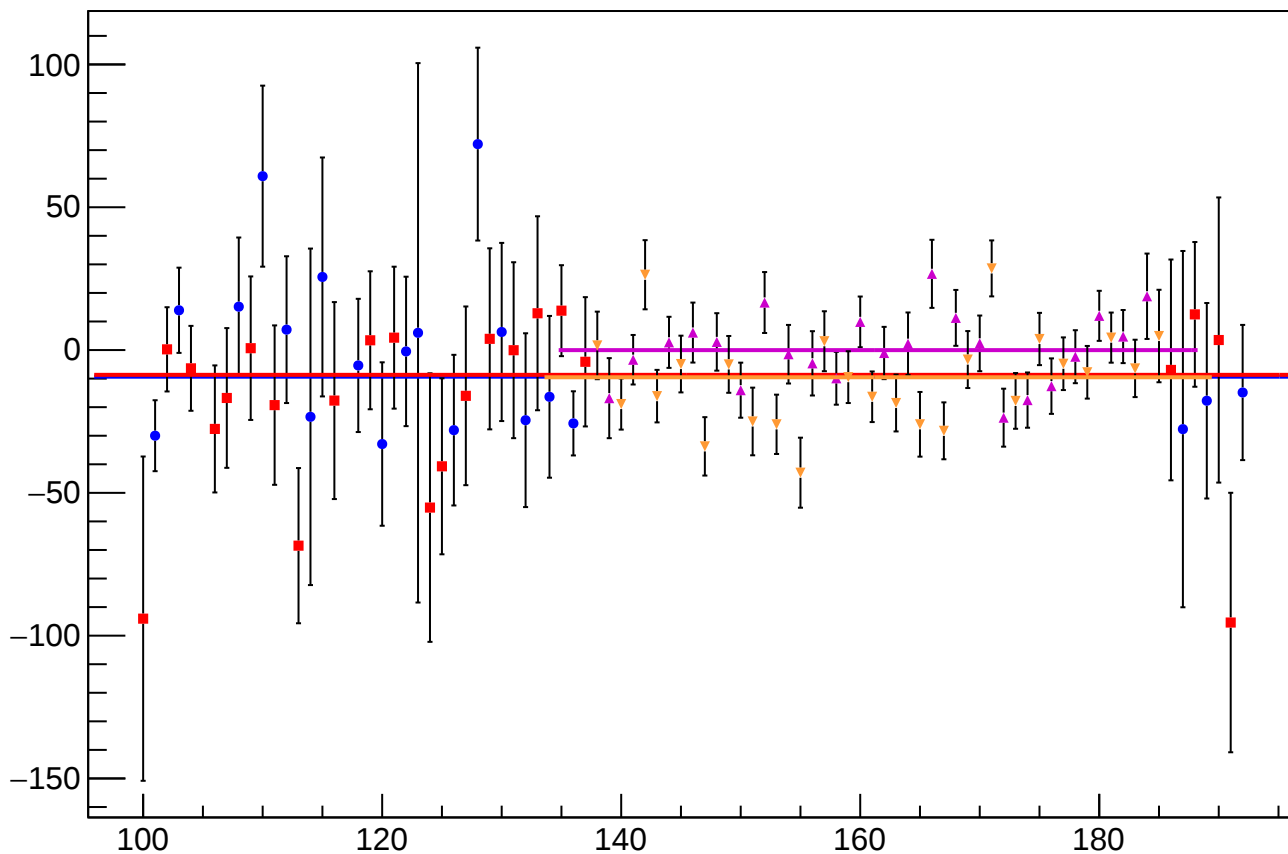
Left In: 6530.954+/-1.121 χ^2/NDF : 464668.6/22

+ sign 6444.359+/-0.900 χ^2/NDF : 1509659.6/44

All: 6470.352+/-0.643 χ^2/NDF : 3472229.1/90

- sign 6497.392+/-0.918 χ^2/NDF : 1960868.6/45

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: -8.677 ± 5.272 χ^2/NDF : 18.4/22

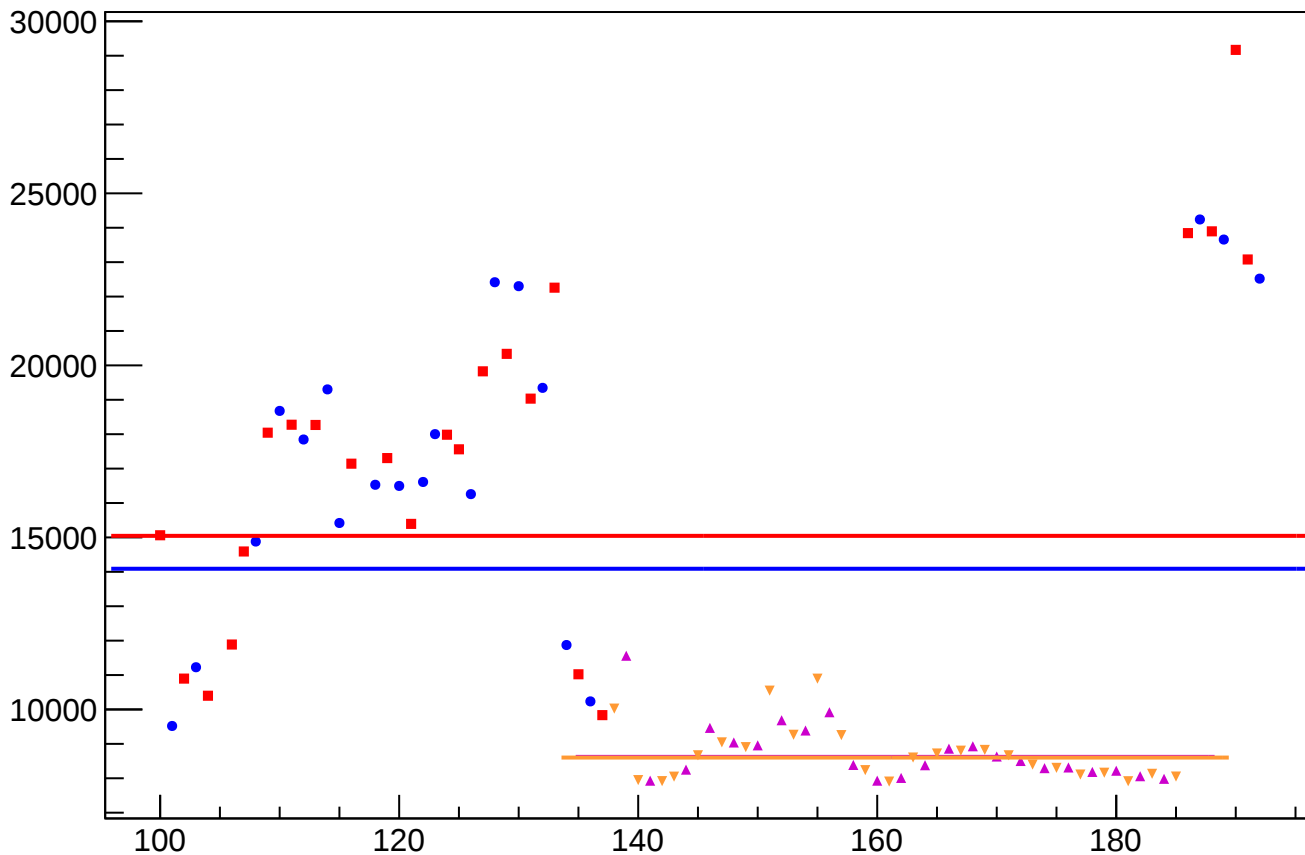
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

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

All: -5.469 ± 1.348 χ^2/NDF : 142.0/90

- sign -1.192 ± 1.935 χ^2/NDF : 50.6/45

diff_bpm1X_rms vs Slug



Right In: 14089.358+/-3.667 χ^2/NDF : 1551260.4/19

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

Right Out: 15045.525+/-3.728 χ^2/NDF : 1554704.0/22

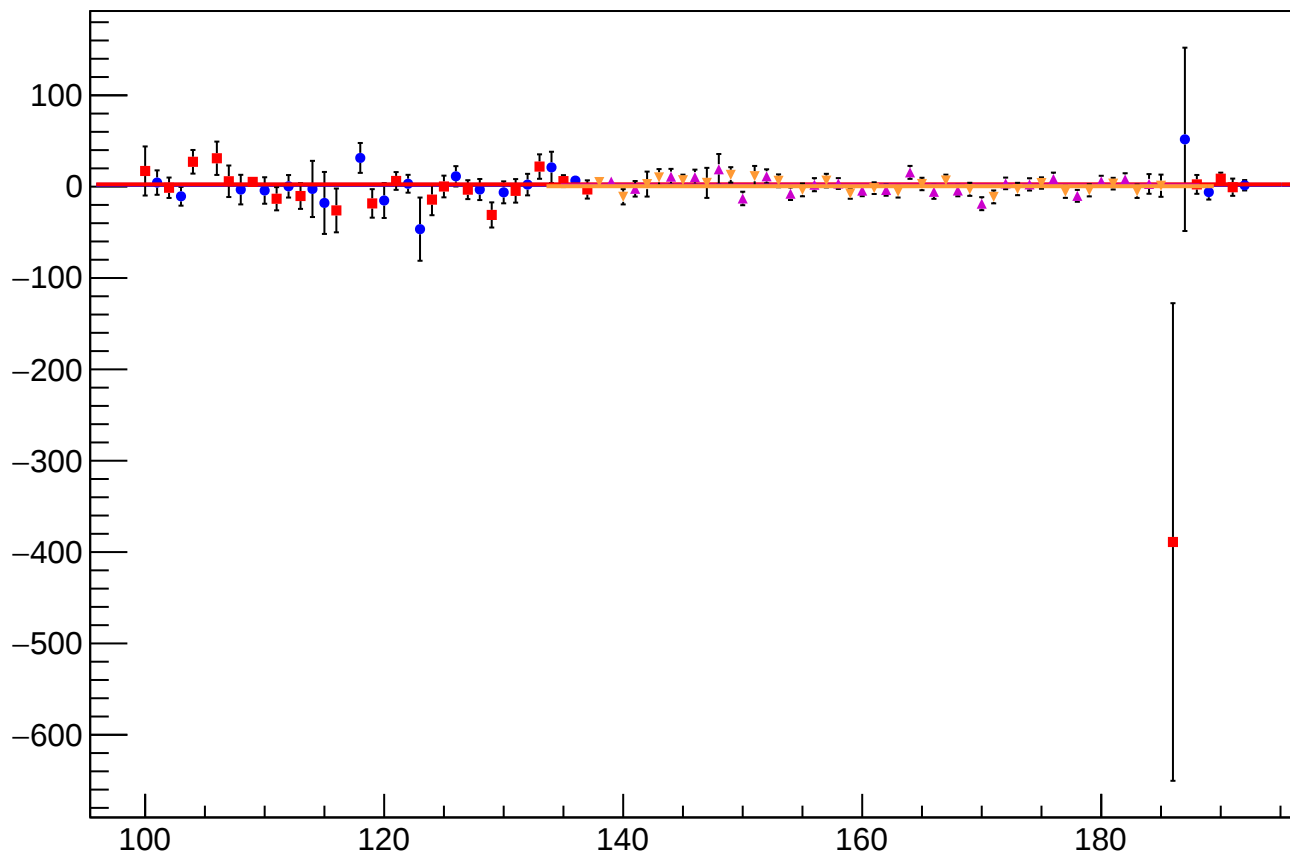
Left In: 8621.975+/-1.471 χ^2/NDF : 230824.4/22

+ sign 9321.686+/-1.328 χ^2/NDF : 3745240.2/44

All: 9401.916+/-0.953 χ^2/NDF : 8107402.0/90

- sign 9487.030+/-1.368 χ^2/NDF : 4354642.5/45

diff_bpm1Y_mean vs Slug



Right In: 1.950 ± 2.375 χ^2/NDF : 13.1/19

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

Right Out: 2.497 ± 2.177 χ^2/NDF : 26.1/22

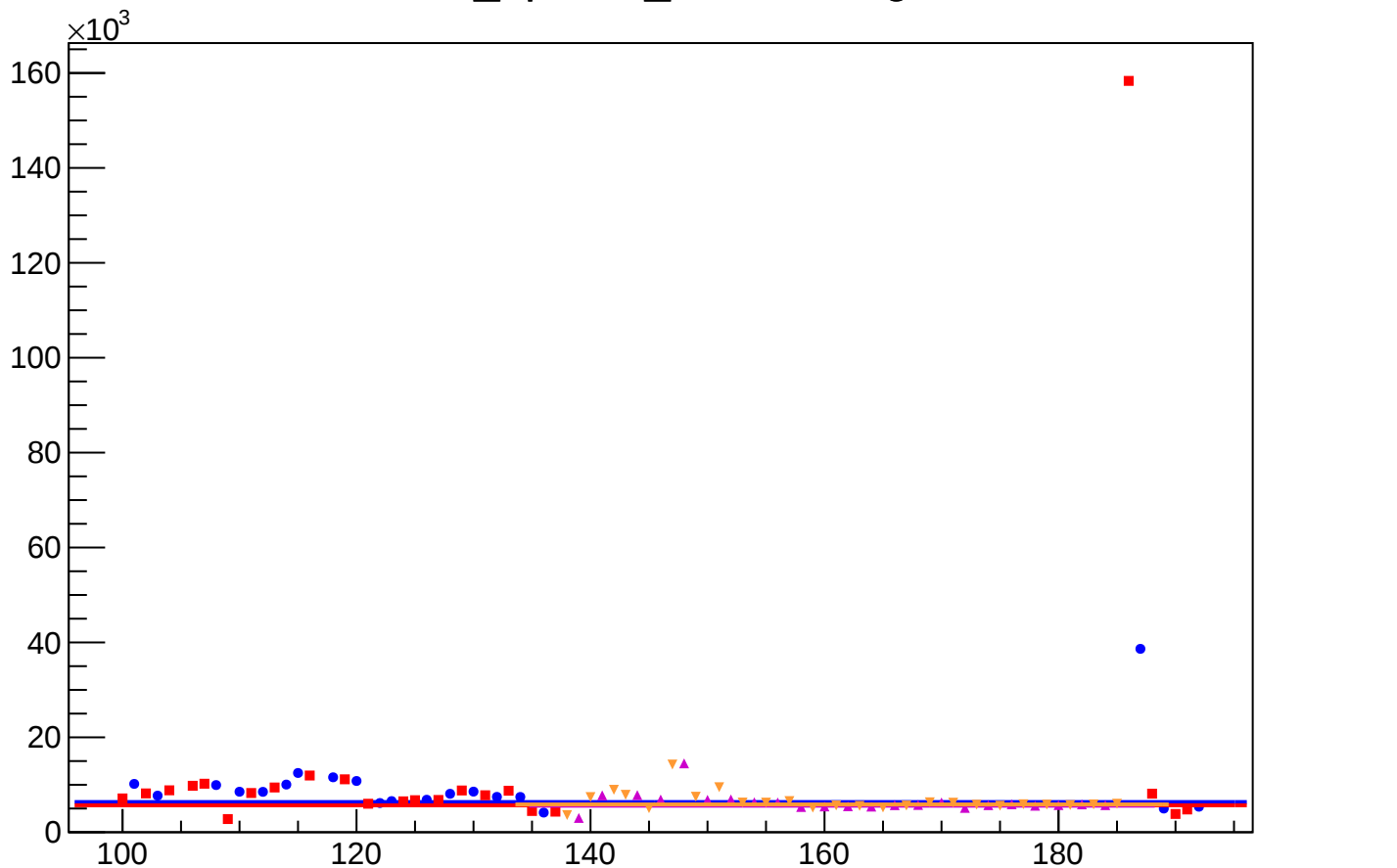
Left In: 1.298 ± 1.406 χ^2/NDF : 33.0/22

+ sign 0.867 ± 1.218 χ^2/NDF : 32.9/44

All: 1.271 ± 0.848 χ^2/NDF : 92.5/90

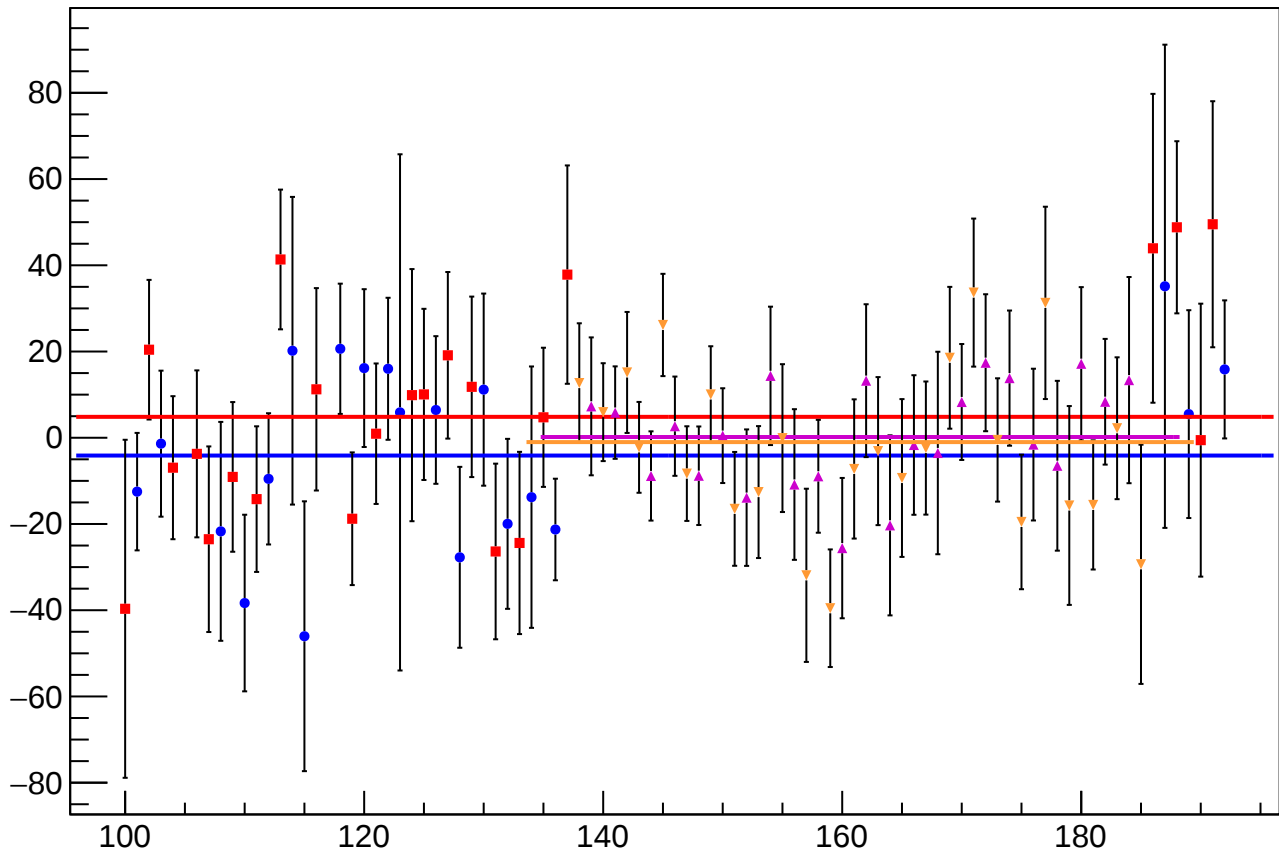
- sign 1.651 ± 1.181 χ^2/NDF : 59.3/45

diff_bpm1Y_rms vs Slug



Right In: 6362.951+/-1.679	χ^2/NDF : 1748596.1/19	+ sign 5991.377+/-0.861	χ^2/NDF : 3506406.9/44
Left Out: 5858.642+/-1.004	χ^2/NDF : 1691344.1/24	All: 5801.203+/-0.600	χ^2/NDF : 8947714.6/90
Right Out: 5683.553+/-1.540	χ^2/NDF : 3254755.3/22	- sign 5622.391+/-0.835	χ^2/NDF : 5346741.8/45
Left In: 5596.879+/-0.994	χ^2/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: 4.851 ± 4.167 χ^2/NDF : 29.4/22

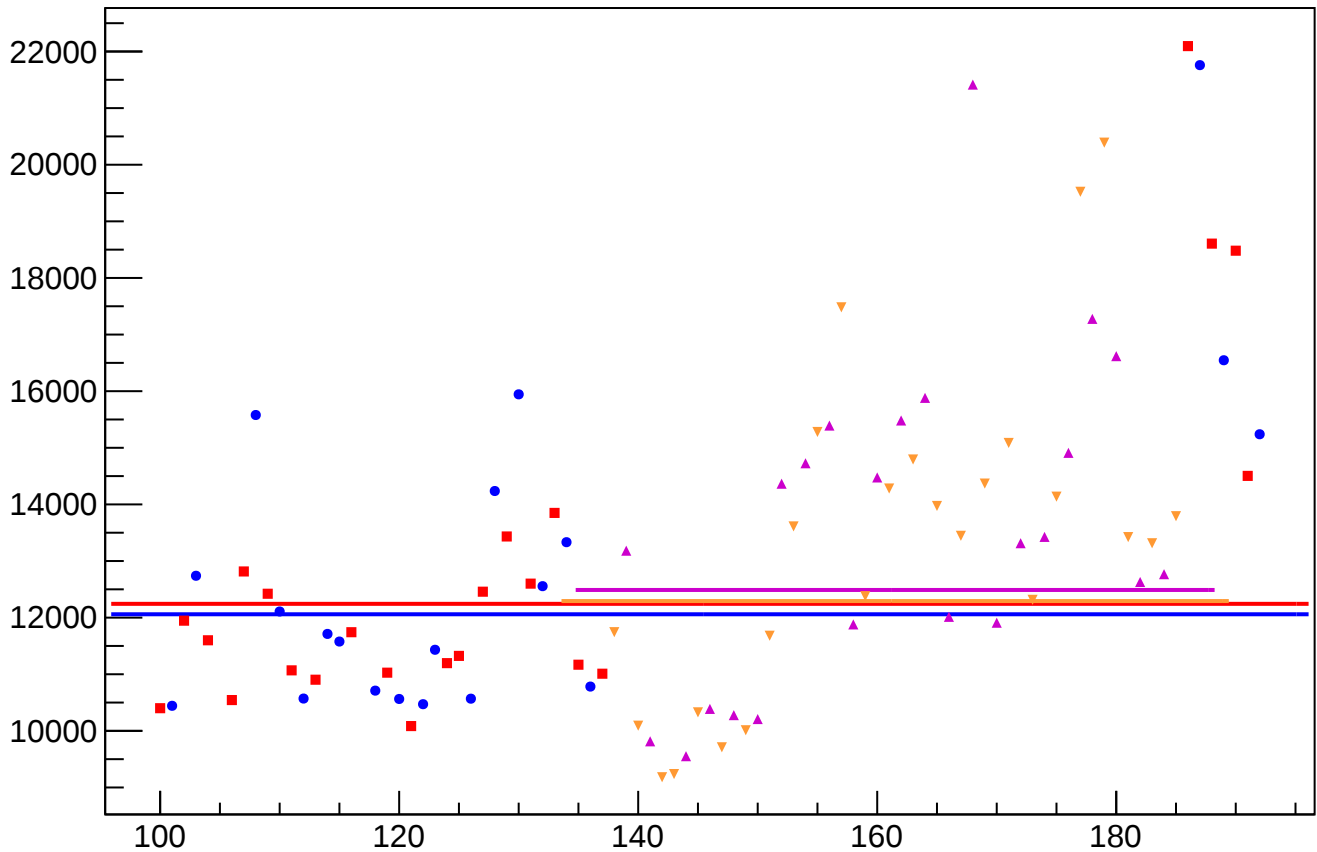
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

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

All: -0.134 ± 1.730 χ^2/NDF : 96.3/90

- sign 1.816 ± 2.470 χ^2/NDF : 42.6/45

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: 12243.708+/-2.946 χ^2/NDF : 581135.9/22

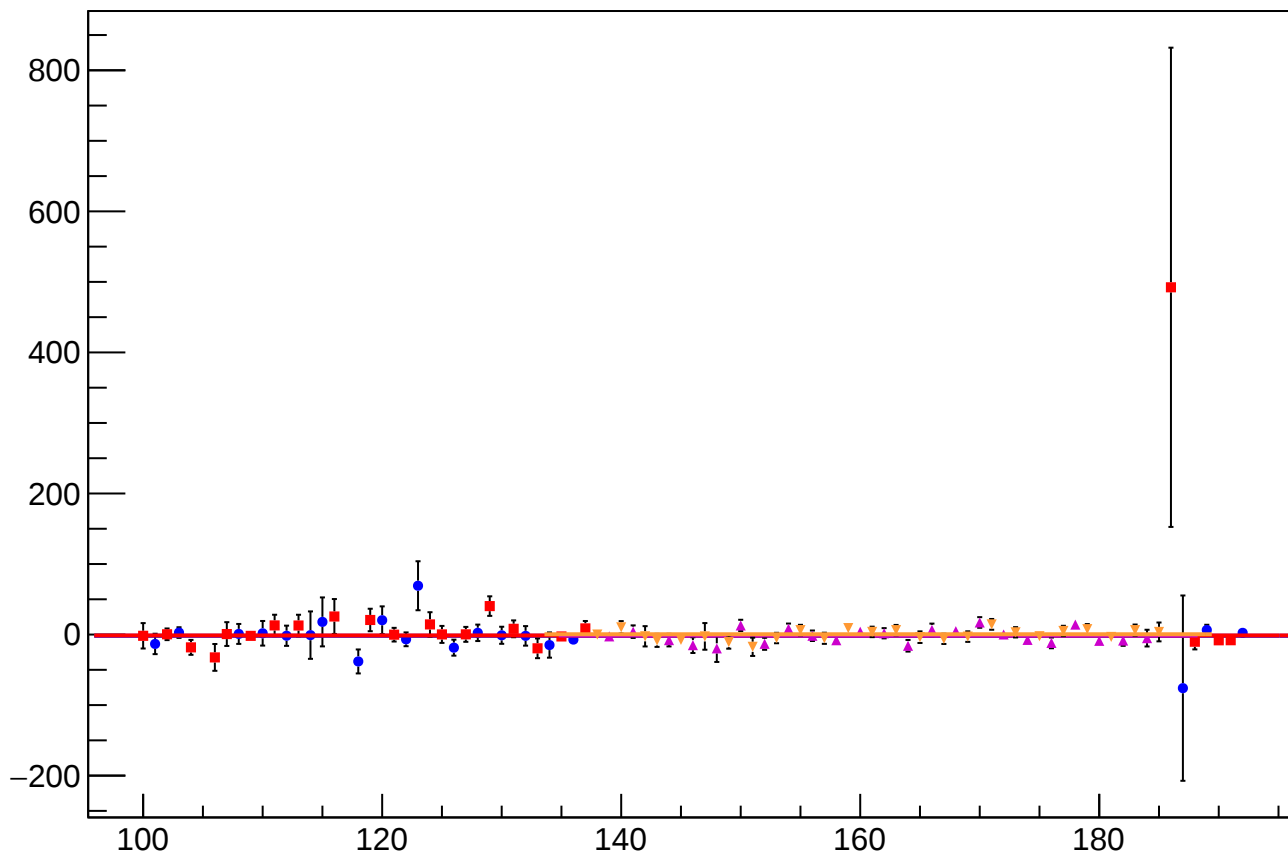
Left In: 12488.821+/-2.169 χ^2/NDF :1354485.4/22

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

All: 12308.352+/-1.223 χ^2/NDF : 3924178.3/9

- sign 12402.676+/-1.747 χ^2/NDF : 1940110.1/45

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: -1.295 ± 2.130 χ^2/NDF : 28.1/22

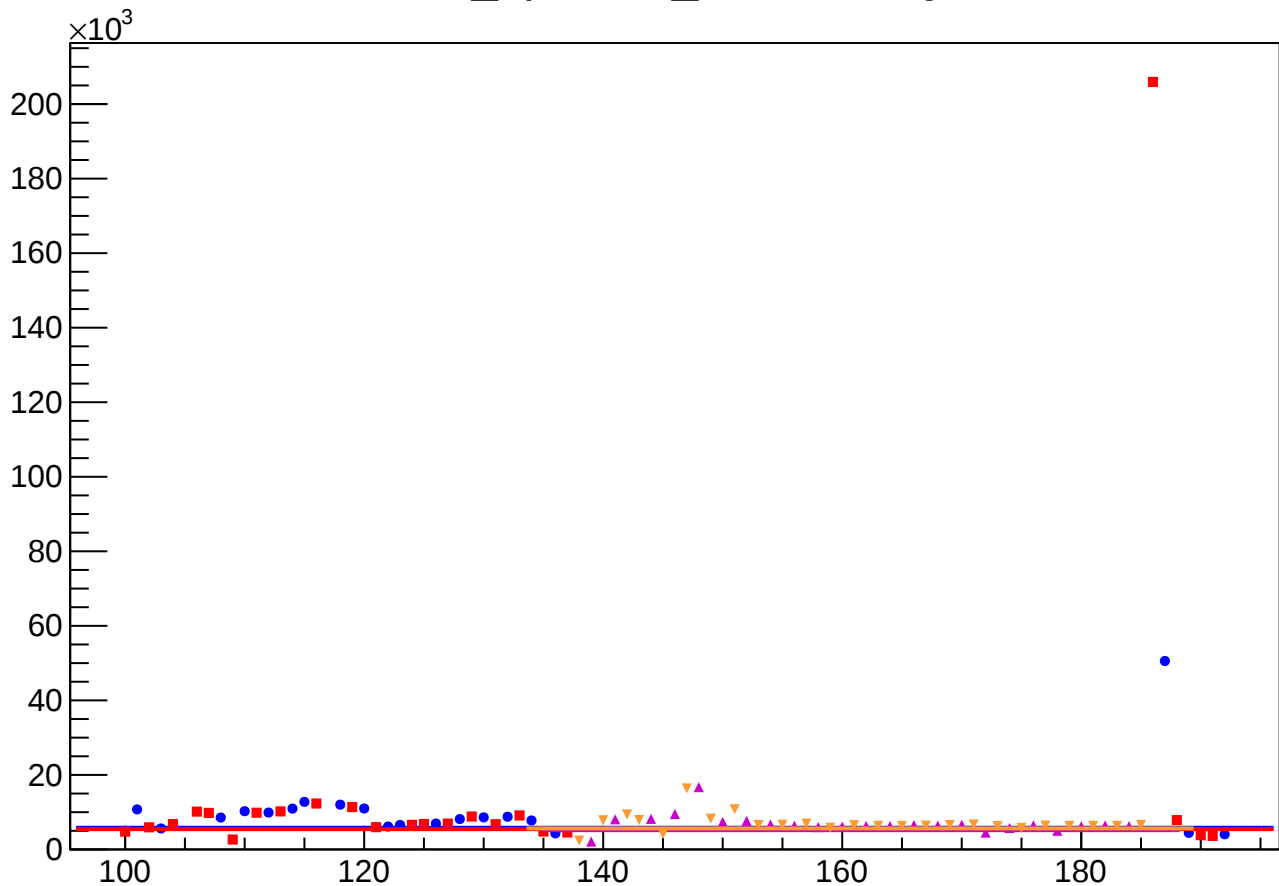
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

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

All: -0.772 ± 0.837 χ^2/NDF : 100.8/90

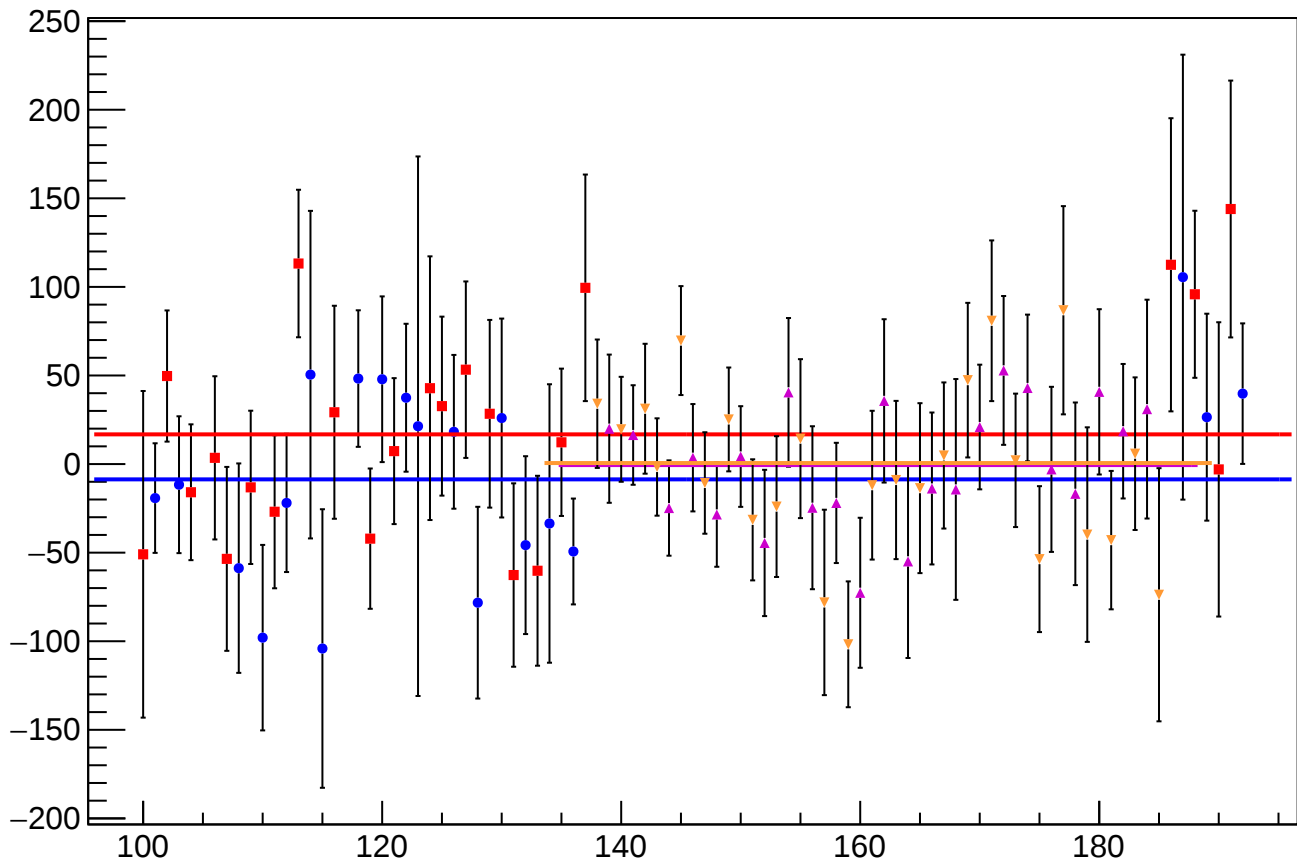
- sign -1.283 ± 1.162 χ^2/NDF : 62.0/45

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: 5473.768 ± 0.592 $\chi^2/\text{NDF}: 15179008.7/9$
 Right Out: 5447.069 ± 1.506 $\chi^2/\text{NDF}: 3242108.3/22$ - sign 5259.944 ± 0.821 $\chi^2/\text{NDF}: 8614131.0/45$
 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: 16.766 ± 10.353 χ^2/NDF : 27.3/22

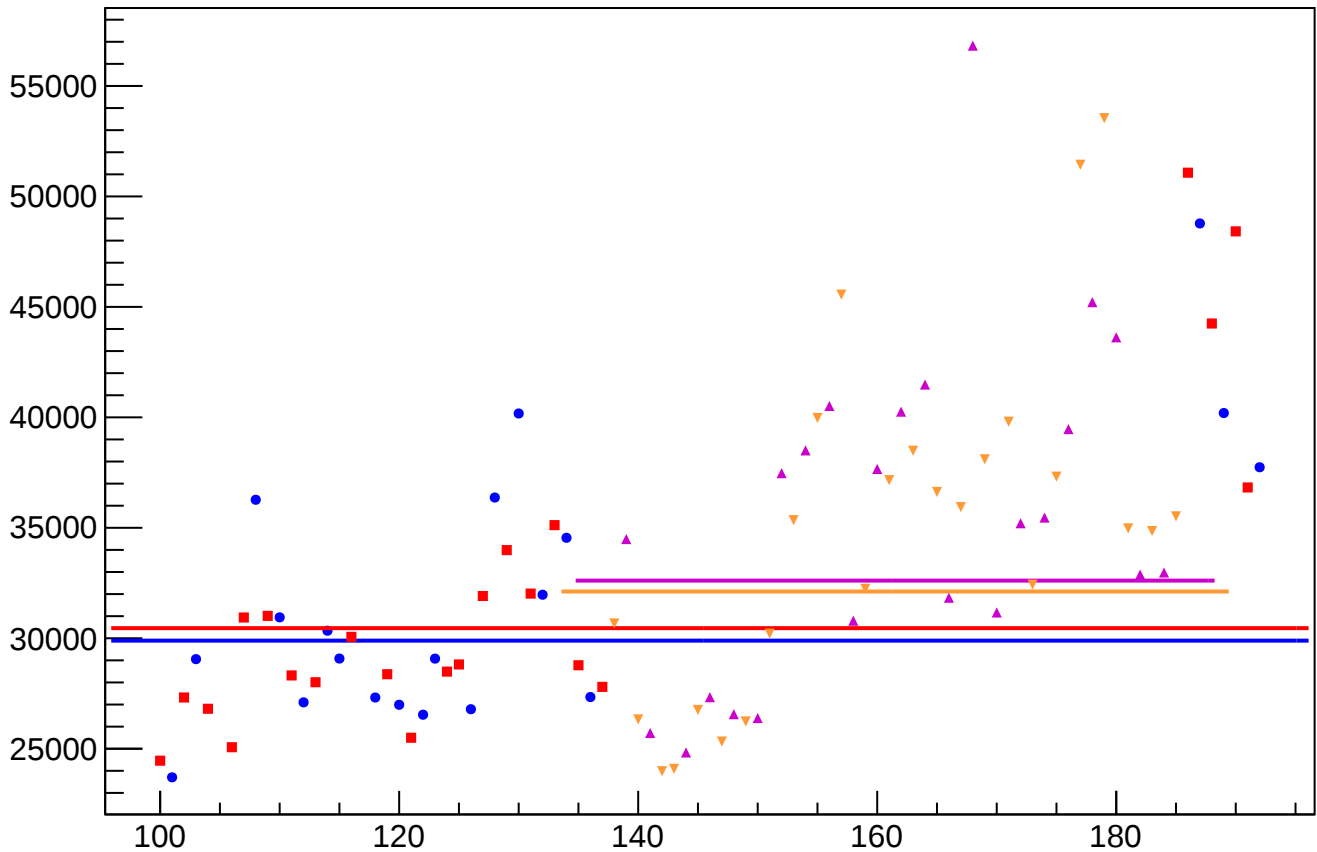
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

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

All: 1.586 ± 4.440 χ^2/NDF : 94.0/90

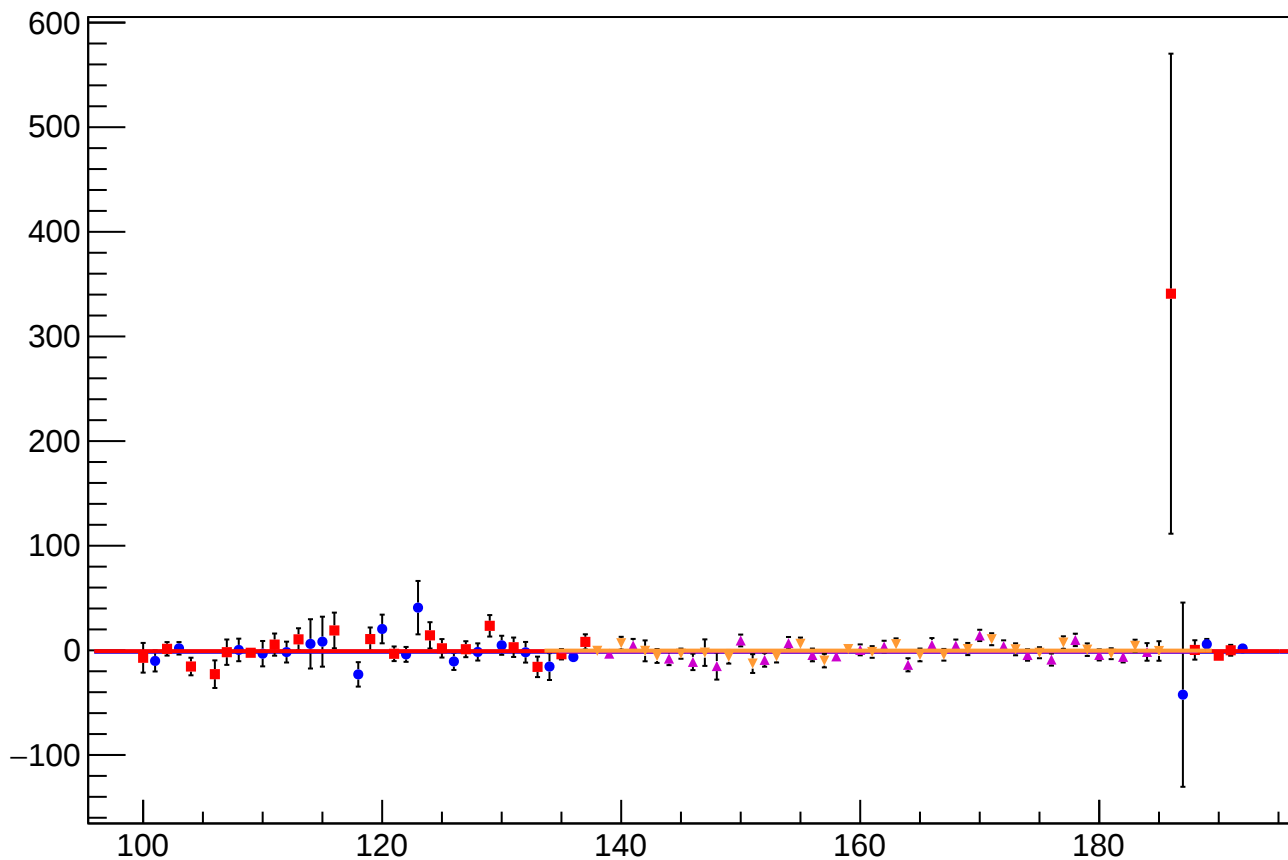
- sign 5.929 ± 6.338 χ^2/NDF : 43.4/45

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: 31572.325+/-3.140	χ^2/NDF : 4071686.8/9
Right Out: 30457.641+/-7.321	χ^2/NDF : 557394.0/22	- sign 31803.577+/-4.481	χ^2/NDF : 2009924.6/45
Left In: 32610.108+/-5.667	χ^2/NDF : 1398475.8/22		

diff_bpm12Y_mean vs Slug



Right In: -1.352 $\pm$ 1.603 χ^2/NDF : 18.7/19

Left Out: -0.255 $\pm$ 1.173 χ^2/NDF : 18.0/24

Right Out: -0.768 $\pm$ 1.609 χ^2/NDF : 25.2/22

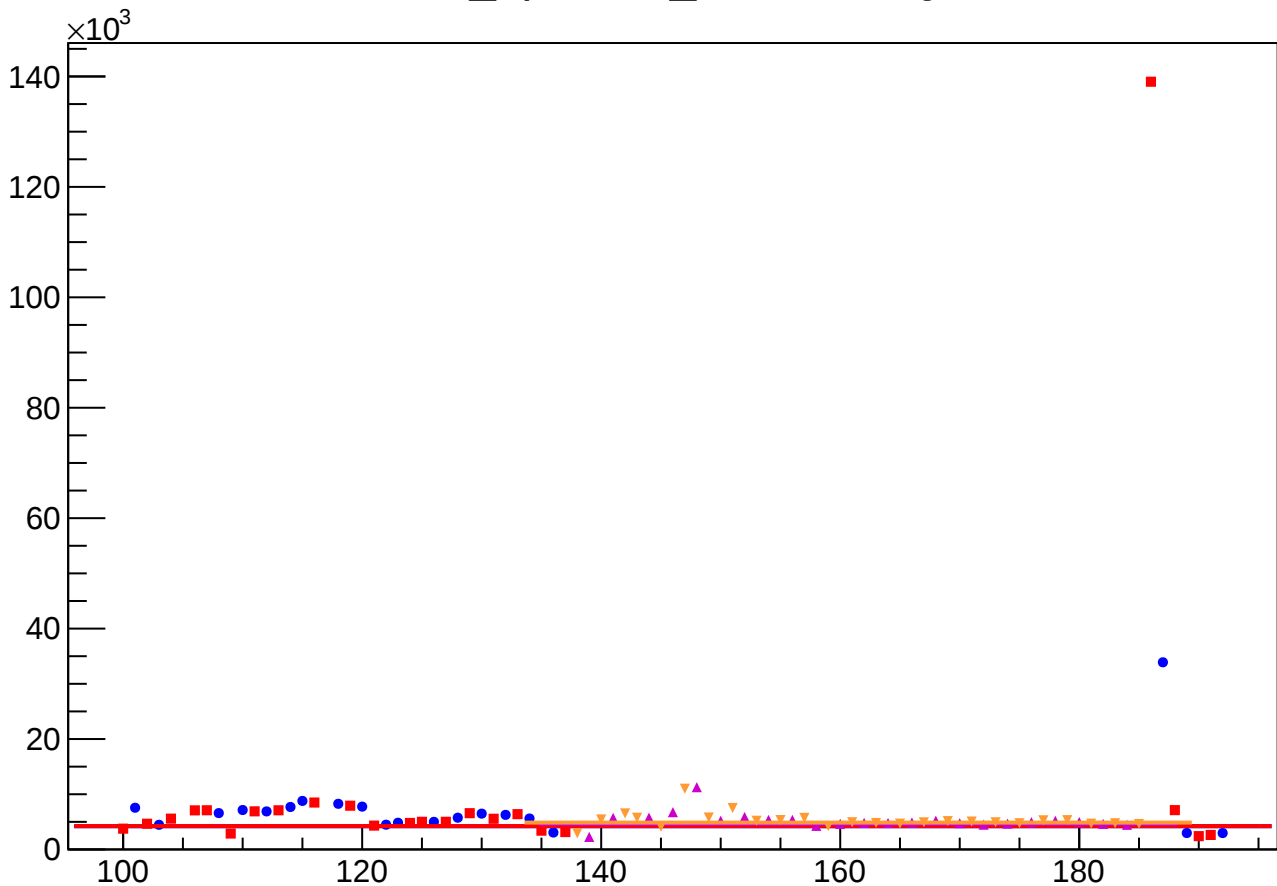
Left In: -0.925 $\pm$ 1.154 χ^2/NDF : 36.1/22

+ sign -0.638 $\pm$ 0.947 χ^2/NDF : 37.1/44

All: -0.756 $\pm$ 0.666 χ^2/NDF : 98.4/90

- sign -0.872 $\pm$ 0.938 χ^2/NDF : 61.3/45

diff_bpm12Y_rms vs Slug



Right In: 4200.170 ± 1.134 χ^2/NDF : 2298699.8/19

Left Out: 4866.528 ± 0.829 χ^2/NDF : 1511486.2/24

Right Out: 4232.178 ± 1.138 χ^2/NDF : 2901630.9/22

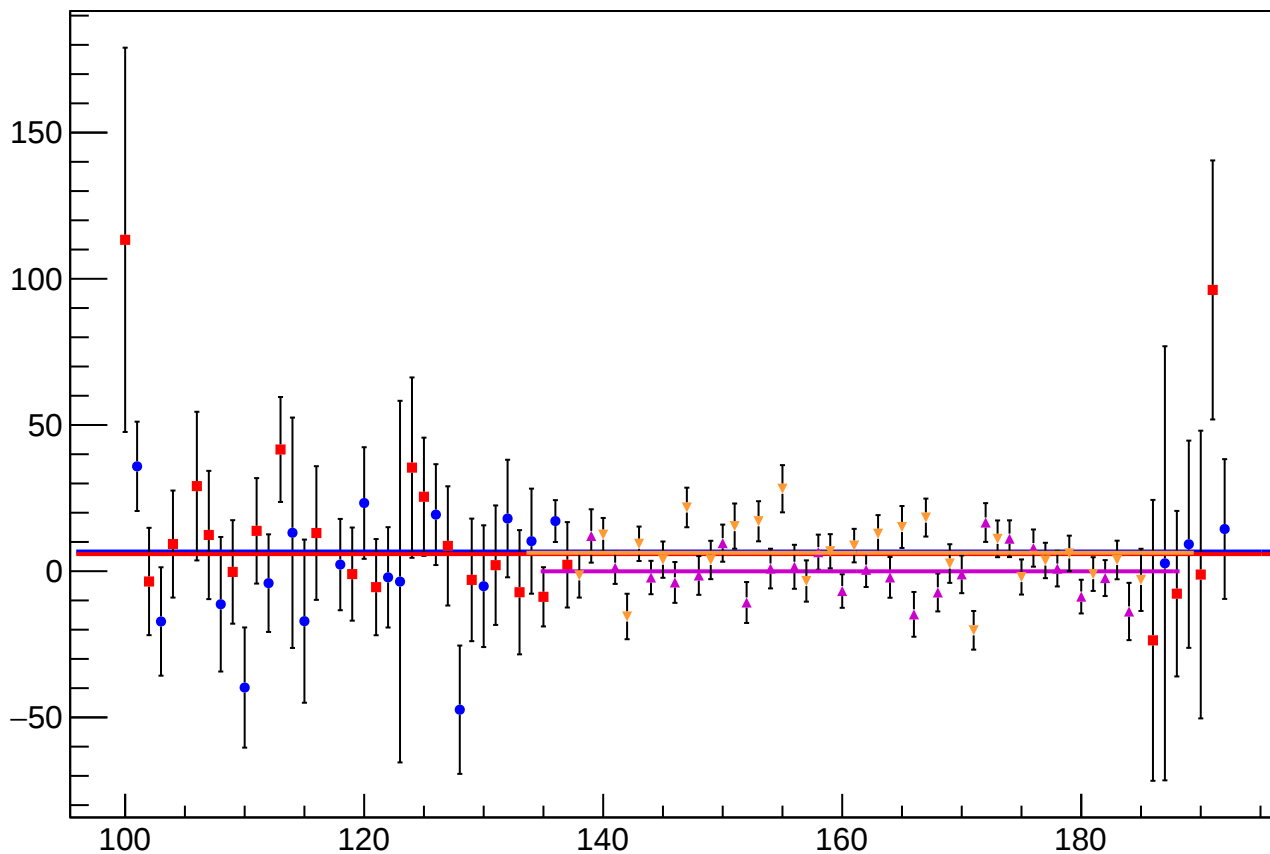
Left In: 4582.193 ± 0.816 χ^2/NDF : 2478681.0/22

+ sign 4634.248 ± 0.669 χ^2/NDF : 4035218.8/44

All: 4547.988 ± 0.471 χ^2/NDF : 9510927.1/90

- sign 4463.362 ± 0.663 χ^2/NDF : 5442809.3/45

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: 5.842 ± 4.132 χ^2/NDF : 18.3/22

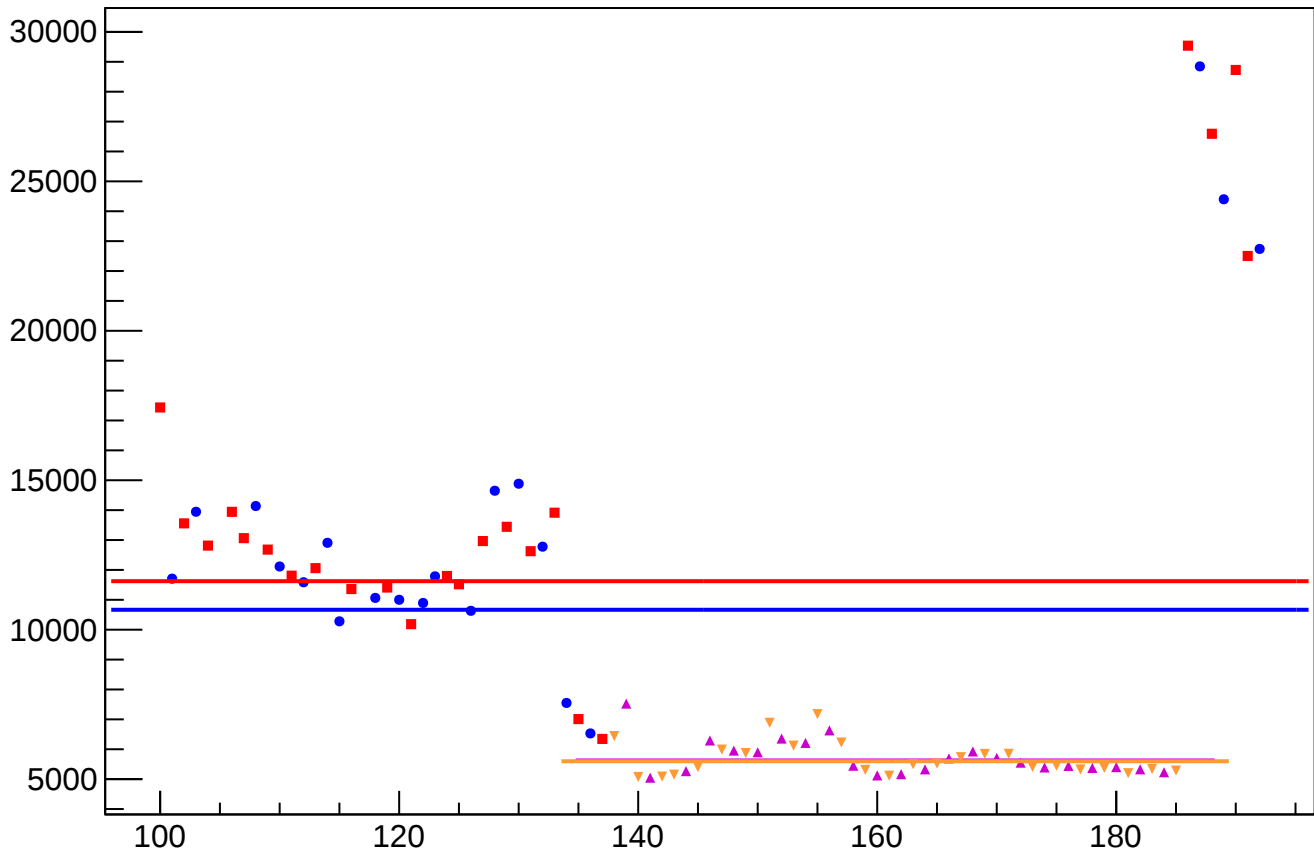
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

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

All: 3.536 ± 0.896 χ^2/NDF : 140.3/90

- sign 0.529 ± 1.290 χ^2/NDF : 50.2/45

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: 11622.820+/-2.922 χ^2/NDF : 2024158.0/22

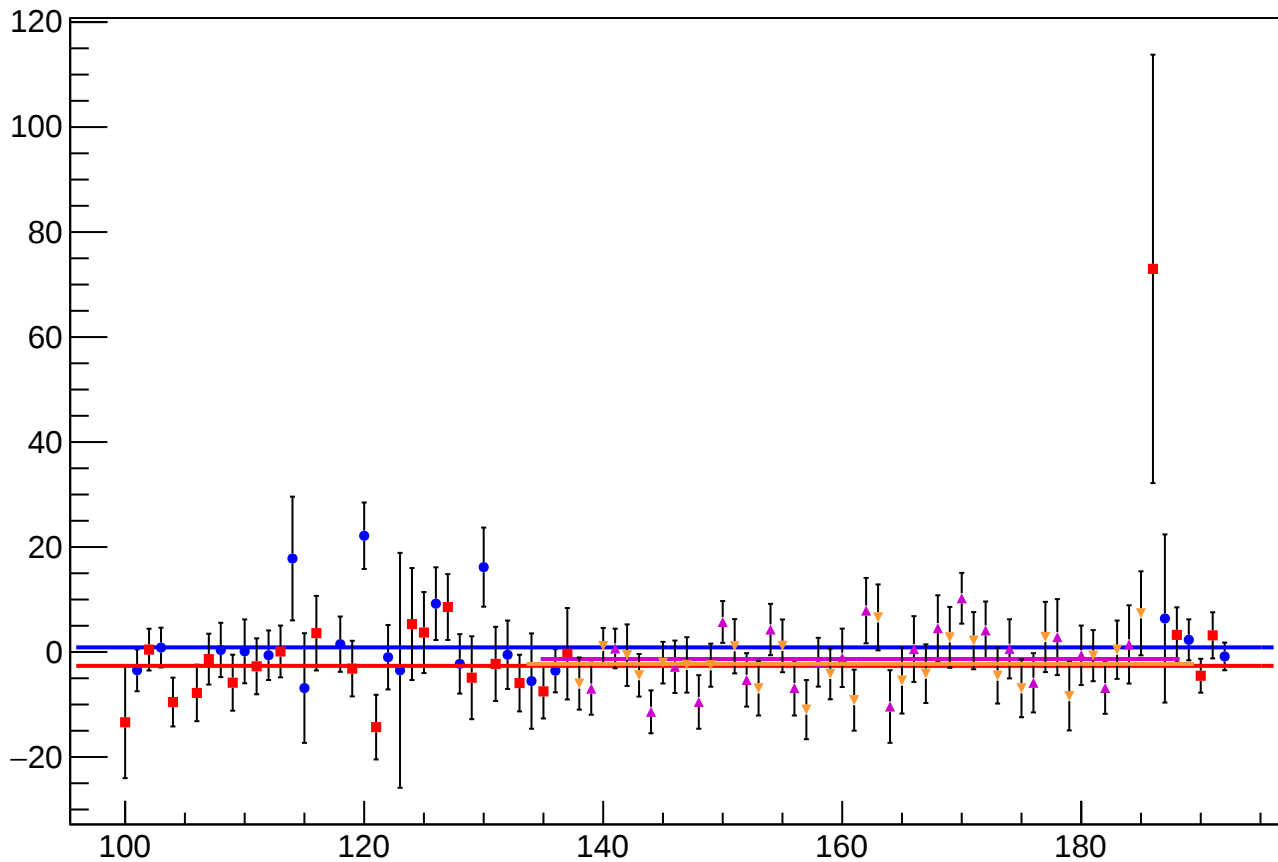
Left In: 5625.163+/-0.960 χ^2/NDF : 272563.5/22

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

All: 6150.478+/-0.634 χ^2/NDF : 11283812.1/5

- sign 6209.651+/-0.912 χ^2/NDF : 6100010.8/45

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: -2.638 ± 1.158 χ^2/NDF : 22.5/22

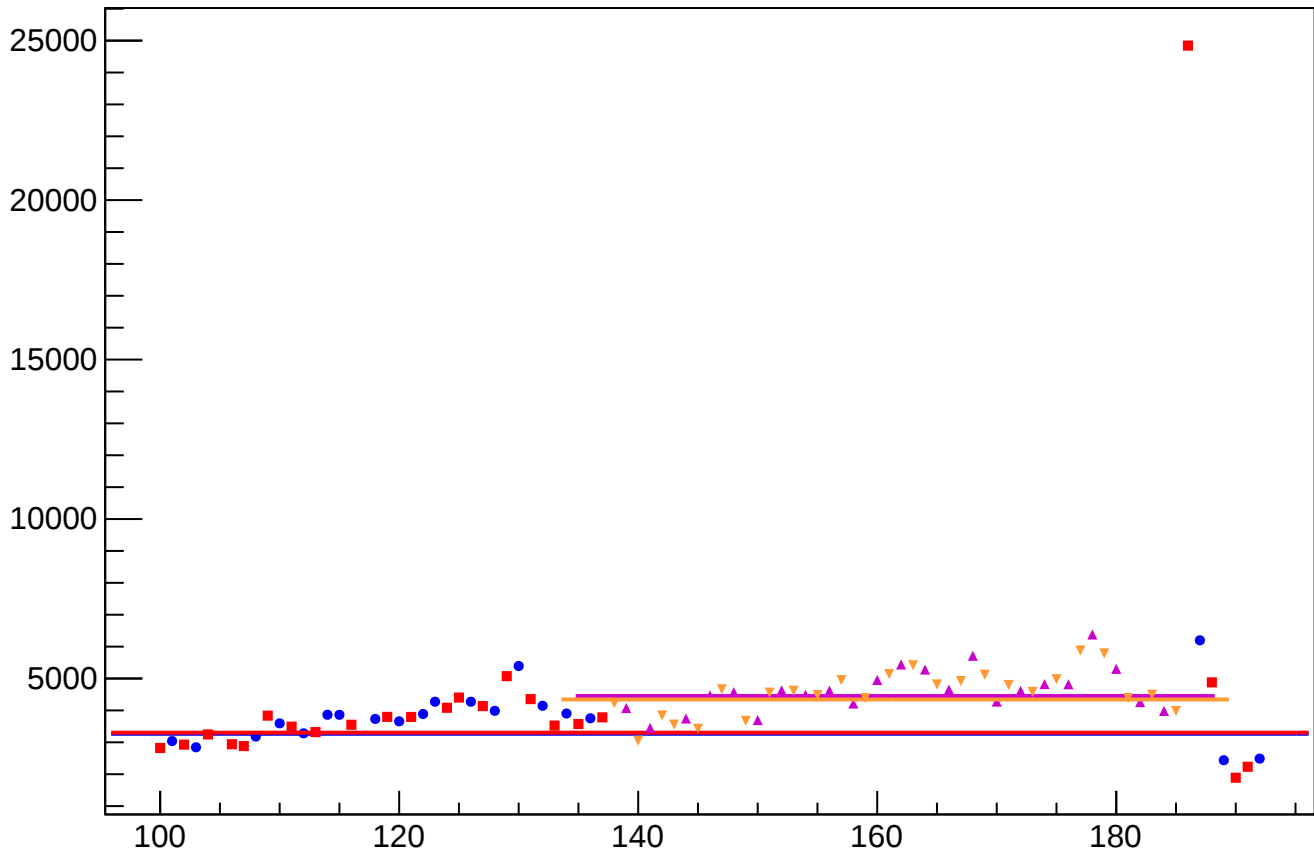
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

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

All: -1.405 ± 0.553 χ^2/NDF : 97.8/90

- sign -1.939 ± 0.791 χ^2/NDF : 53.8/45

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: 3302.337 $\pm$ 0.819 χ^2 /NDF: 1588455.6/22

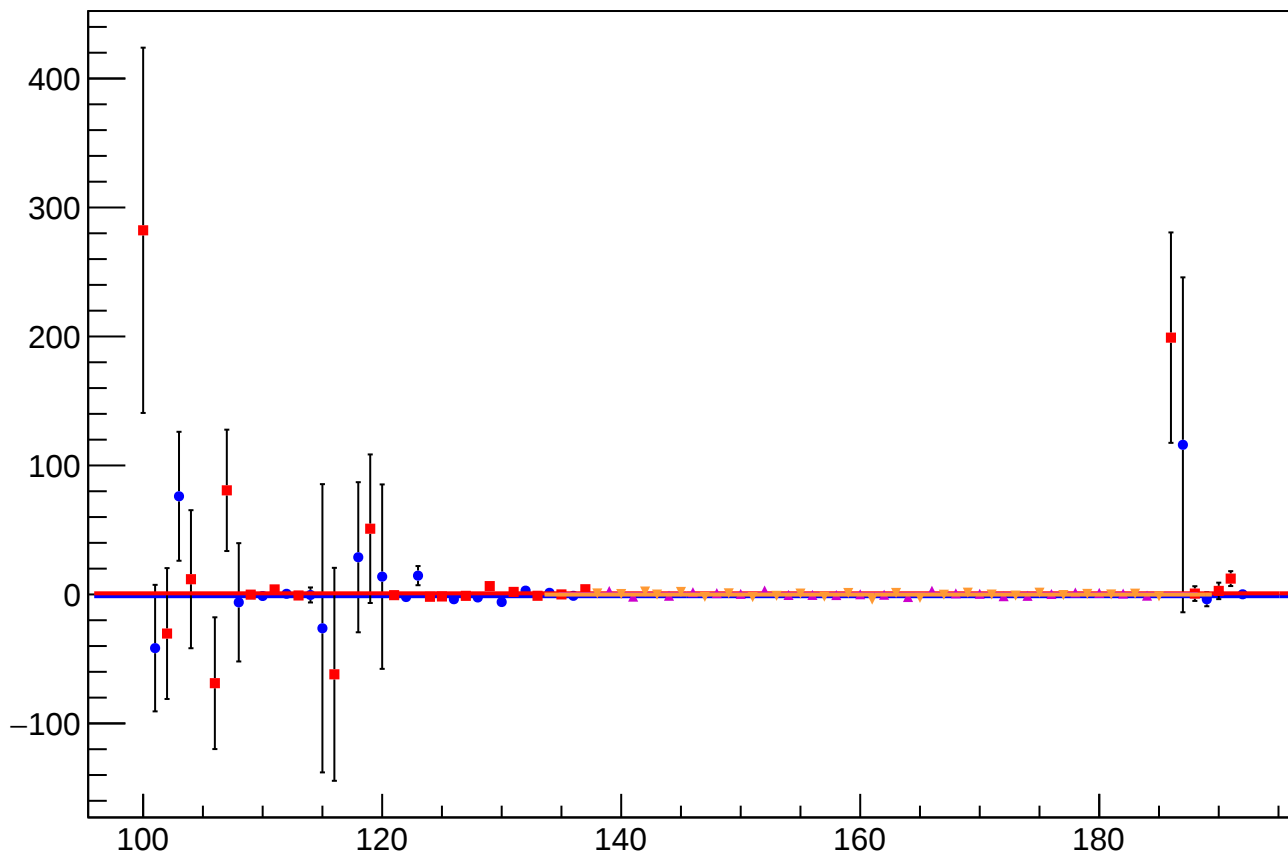
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF: 693229.8/22

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

All: 3894.595 $\pm$ 0.391 χ^2 /NDF: 6010061.6/90

- sign 3915.063 $\pm$ 0.559 χ^2 /NDF: 3330487.7/45

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: 0.873 ± 0.698 χ^2/NDF : 31.4/22

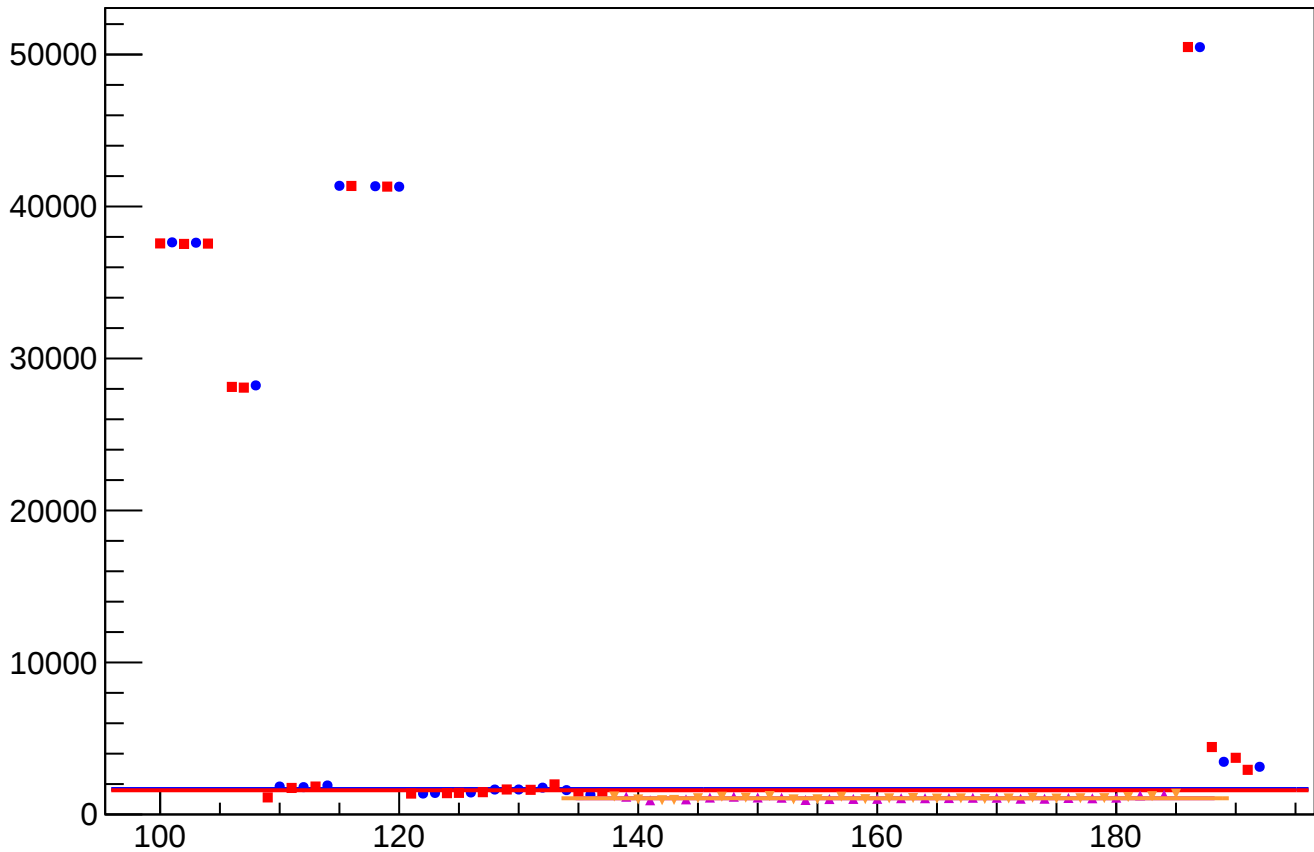
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

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

All: 0.047 ± 0.168 χ^2/NDF : 117.2/90

- sign 0.332 ± 0.241 χ^2/NDF : 59.3/45

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: 1591.625 $\pm$ 0.494 χ^2 /NDF: 6477096.3/22

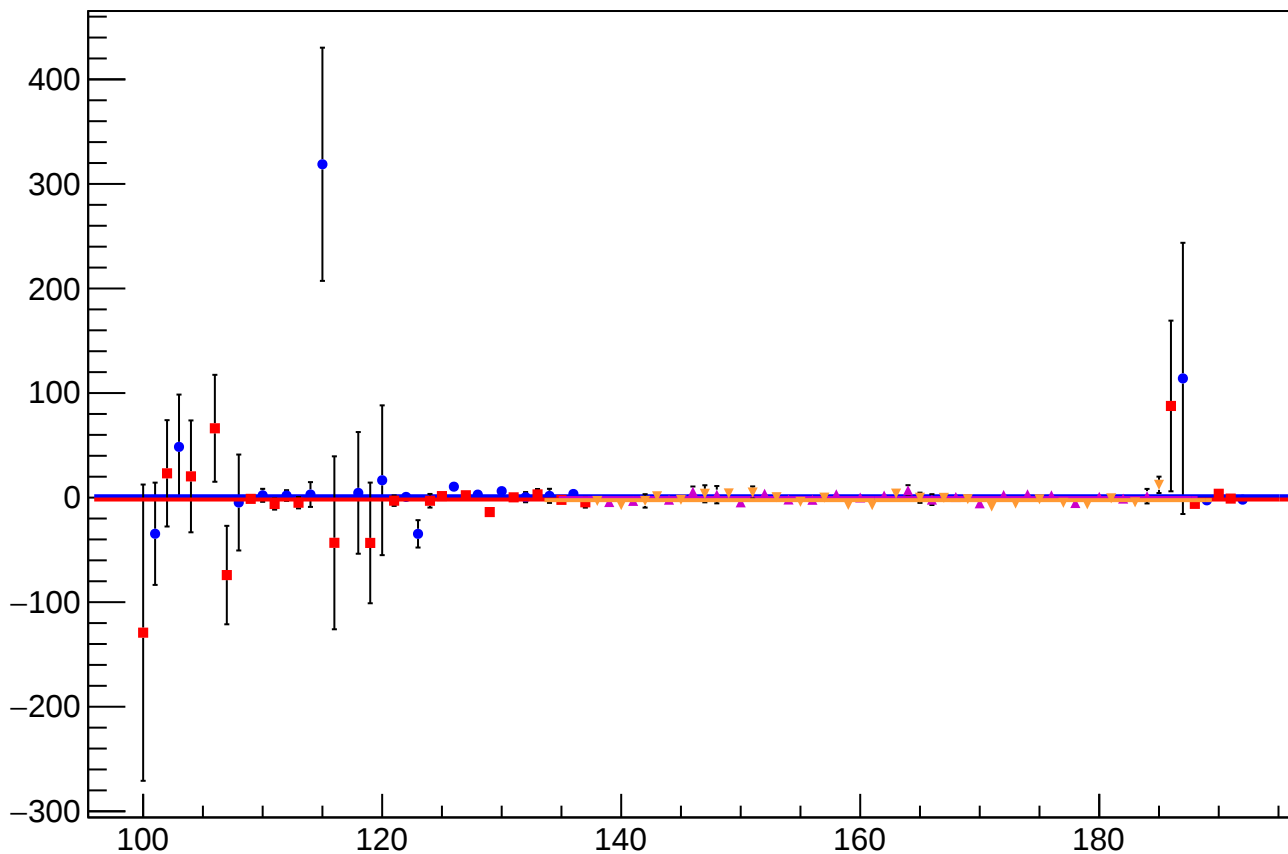
Left In: 1066.255 $\pm$ 0.182 χ^2 /NDF: 164232.1/22

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

All: 1128.890 $\pm$ 0.119 χ^2 /NDF: 14777627.0/9

- sign 1128.950 $\pm$ 0.171 χ^2 /NDF: 7638993.6/45

diff_bpm1p02bY_mean vs Slug



Right In: 1.305 $\pm$ 1.064 χ^2 /NDF: 28.9/19

Left Out: -2.422 $\pm$ 0.811 χ^2 /NDF: 21.2/24

Right Out: -1.832 $\pm$ 1.070 χ^2 /NDF: 21.4/22

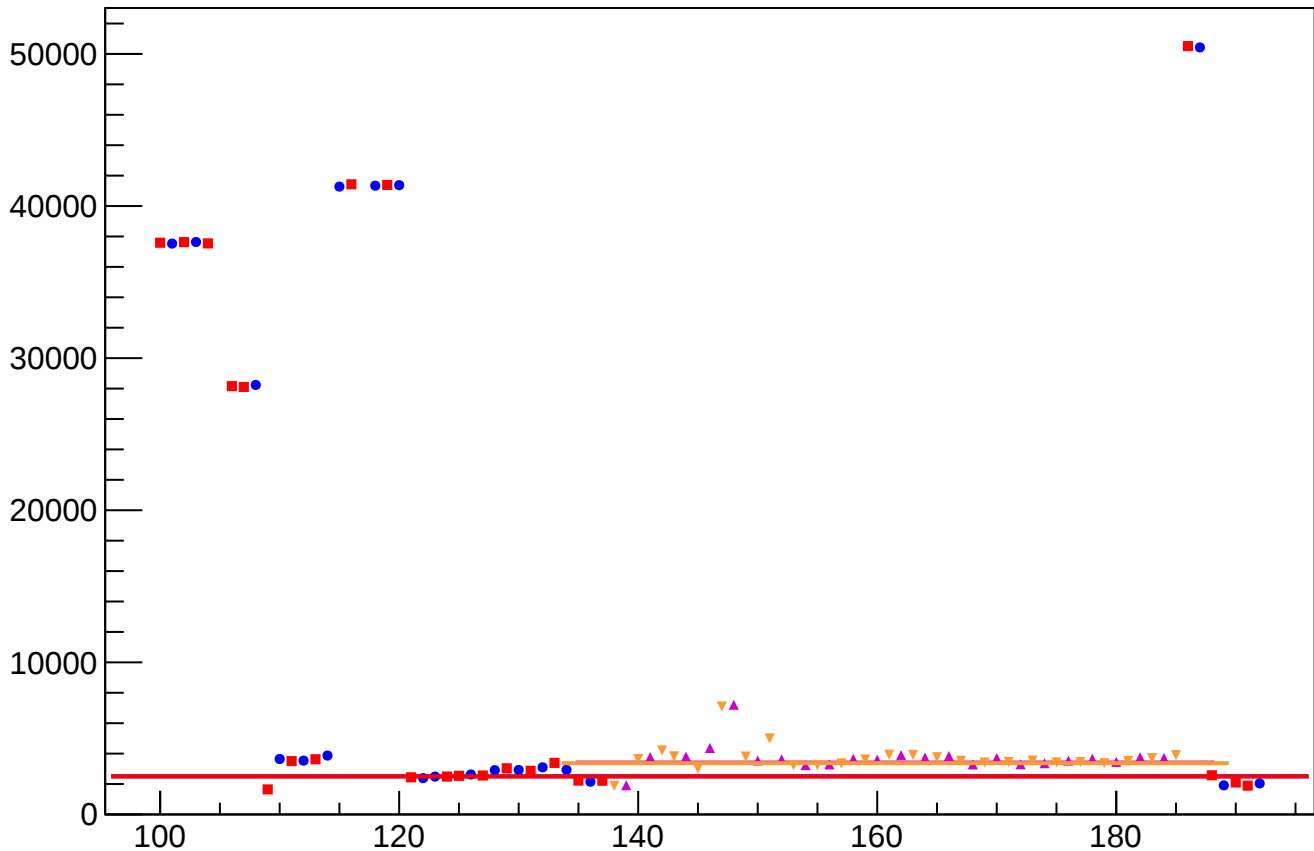
Left In: -0.468 $\pm$ 0.843 χ^2 /NDF: 15.5/22

+ sign -1.053 $\pm$ 0.645 χ^2 /NDF: 58.0/44

All: -1.023 $\pm$ 0.462 χ^2 /NDF: 95.9/90

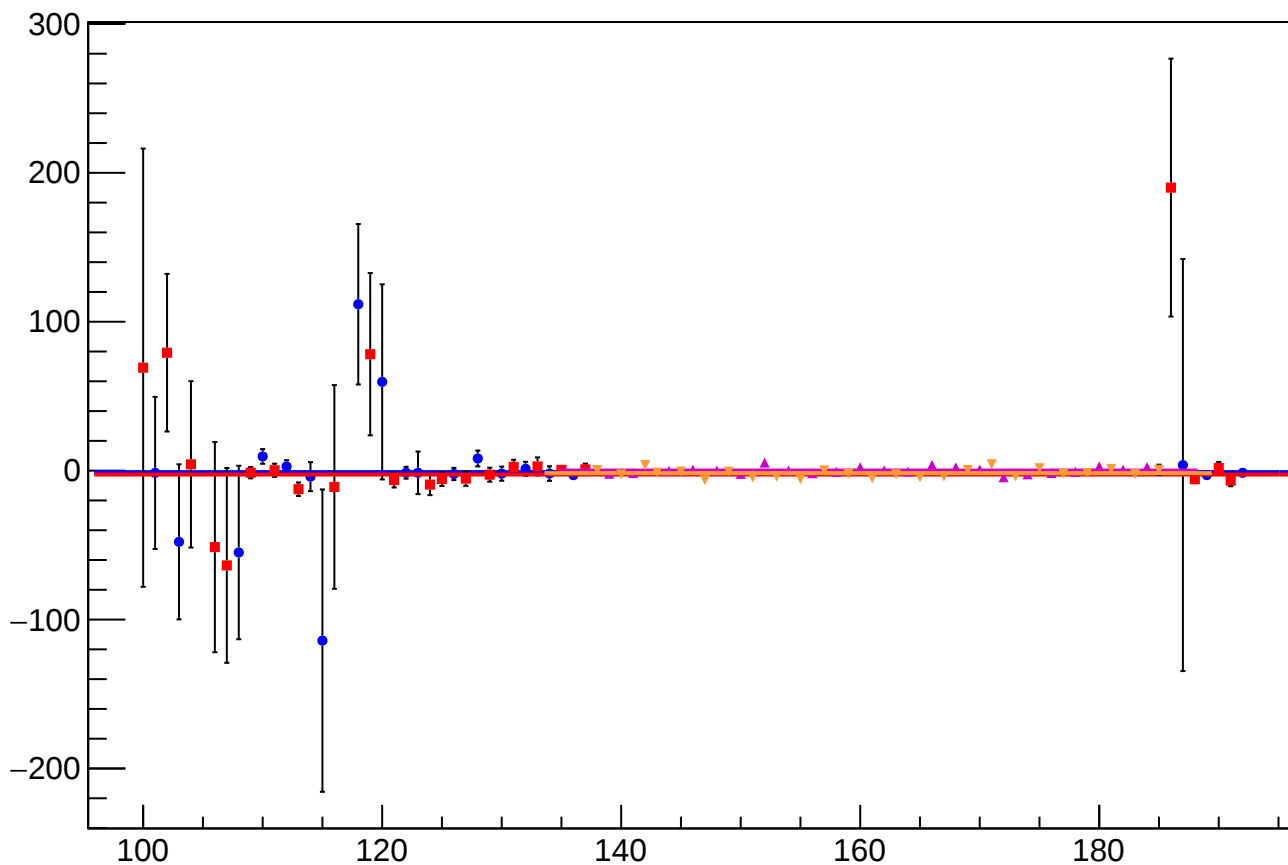
- sign -0.991 $\pm$ 0.662 χ^2 /NDF: 37.9/45

diff_bpm1p02bY_rms vs Slug



Right In: 2508.174 ± 0.752 $\chi^2/\text{NDF}: 5102524.2/19$ + sign 3055.328 ± 0.456 $\chi^2/\text{NDF}: 7595584.0/44$
 Left Out: 3372.958 ± 0.573 $\chi^2/\text{NDF}: 1656864.7/24$ All: 3058.732 ± 0.327 $\chi^2/\text{NDF}: 15559581.2/9$
 Right Out: 2499.064 ± 0.756 $\chi^2/\text{NDF}: 5630887.9/22$ - sign 3062.322 ± 0.468 $\chi^2/\text{NDF}: 7963882.6/45$
 Left In: 3411.924 ± 0.596 $\chi^2/\text{NDF}: 1434523.7/22$

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: -2.601 ± 1.078 χ^2/NDF : 25.9/22

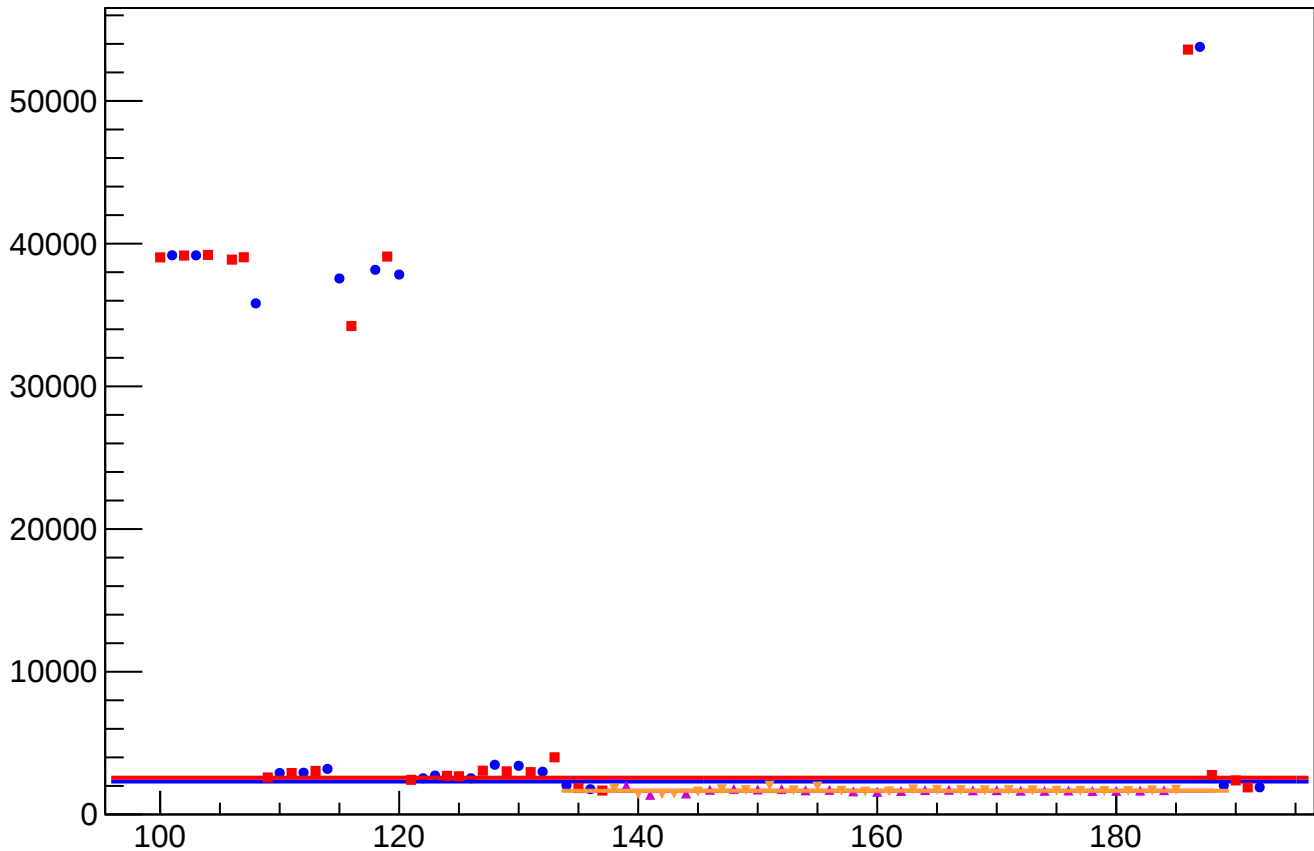
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

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

All: -0.943 ± 0.260 χ^2/NDF : 130.7/90

- sign -0.253 ± 0.376 χ^2/NDF : 59.6/45

diff_bpm1p03aX_rms vs Slug



Right In: 2307.676 $\pm$ 0.700 χ^2 /NDF: 5310397.9/19

Left Out: 1657.770 $\pm$ 0.274 χ^2 /NDF: 223465.3/24

Right Out: 2577.007 $\pm$ 0.762 χ^2 /NDF: 5637275.2/22

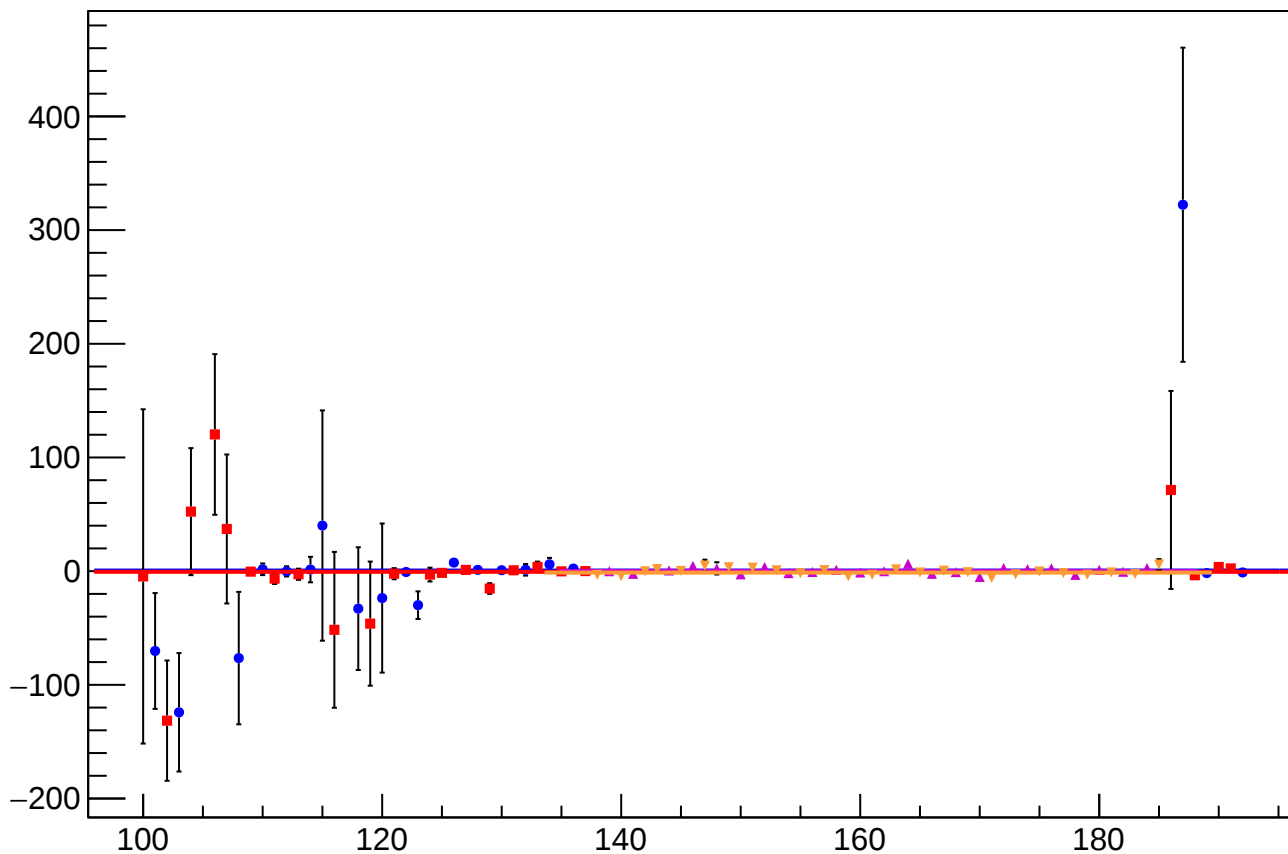
Left In: 1663.620 $\pm$ 0.284 χ^2 /NDF: 178858.2/22

+ sign 1744.372 $\pm$ 0.255 χ^2 /NDF: 6281302.2/44

All: 1758.918 $\pm$ 0.184 χ^2 /NDF: 13365357.3/9

- sign 1774.662 $\pm$ 0.266 χ^2 /NDF: 7077304.4/45

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: -0.576 ± 0.892 χ^2/NDF : 30.2/22

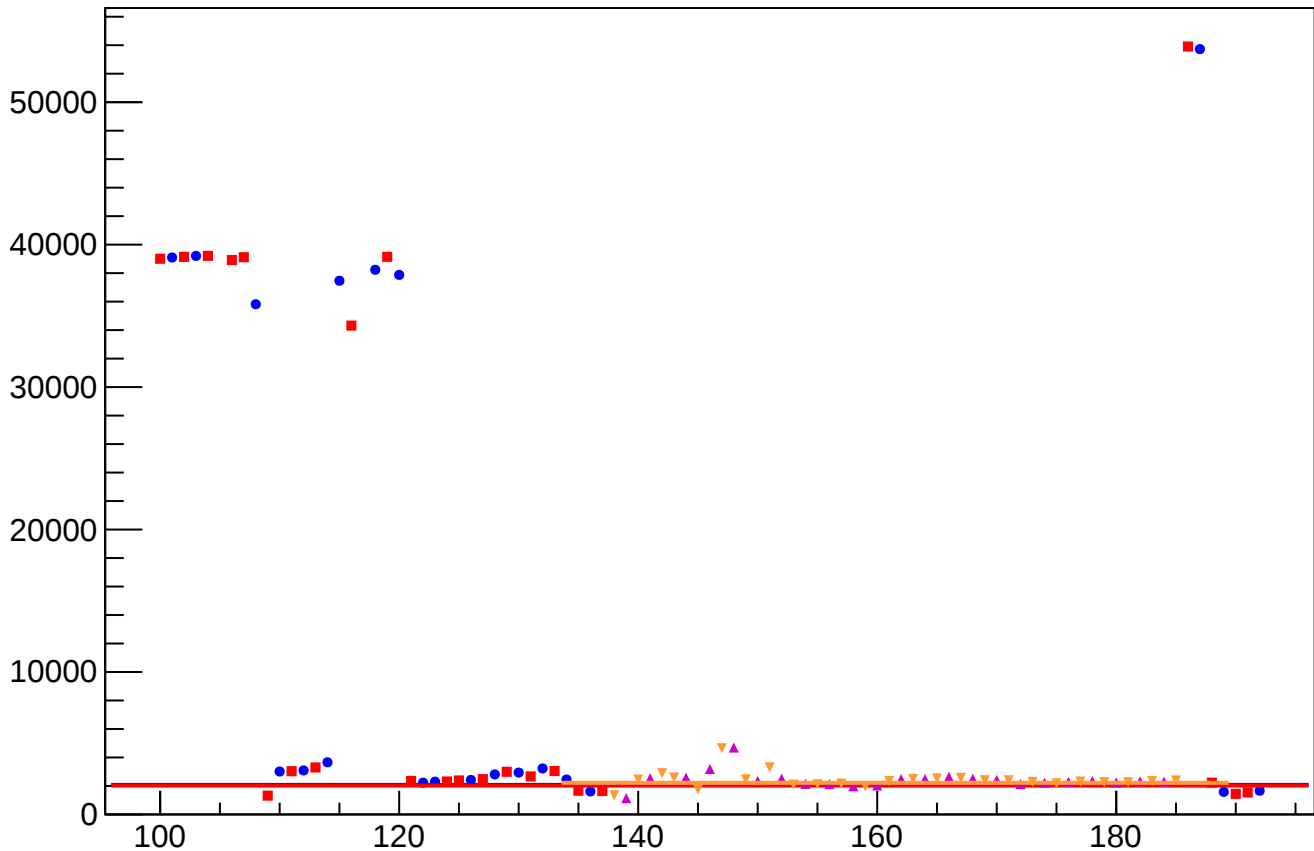
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

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

All: -0.435 ± 0.326 χ^2/NDF : 104.5/90

- sign -0.084 ± 0.463 χ^2/NDF : 49.9/45

diff_bpm1p03aY_rms vs Slug



Right In: 2074.221+/-0.636 χ^2/NDF : 5575145.2/19

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

Right Out: 2026.907+/-0.631 χ^2/NDF : 6213106.9/22

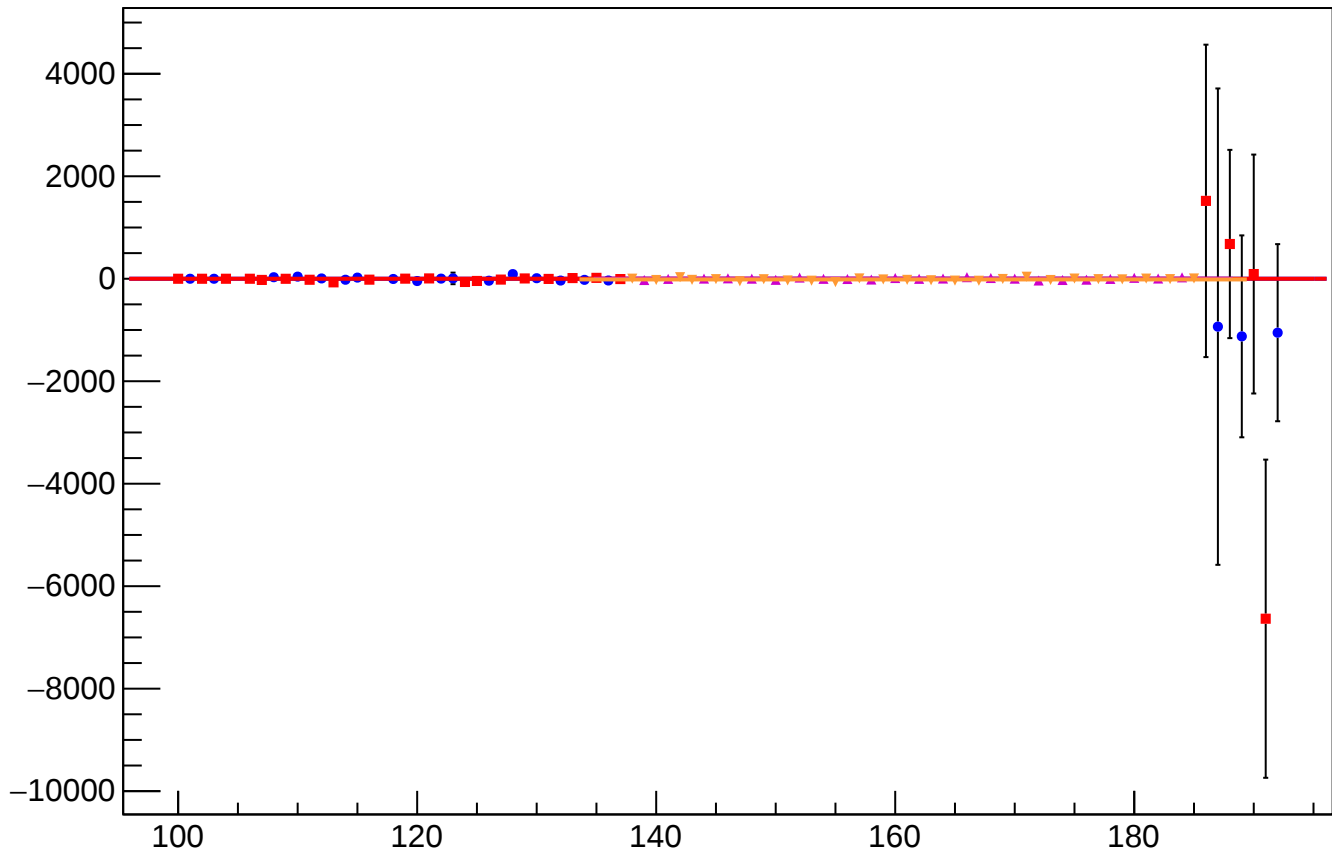
Left In: 2169.443+/-0.383 χ^2/NDF : 1974869.8/22

+ sign 2183.478+/-0.325 χ^2/NDF : 7037463.3/44

All: 2157.433+/-0.231 χ^2/NDF : 15275685.7/9

- sign 2131.074+/-0.327 χ^2/NDF : 8225317.5/45

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: 20.5/22

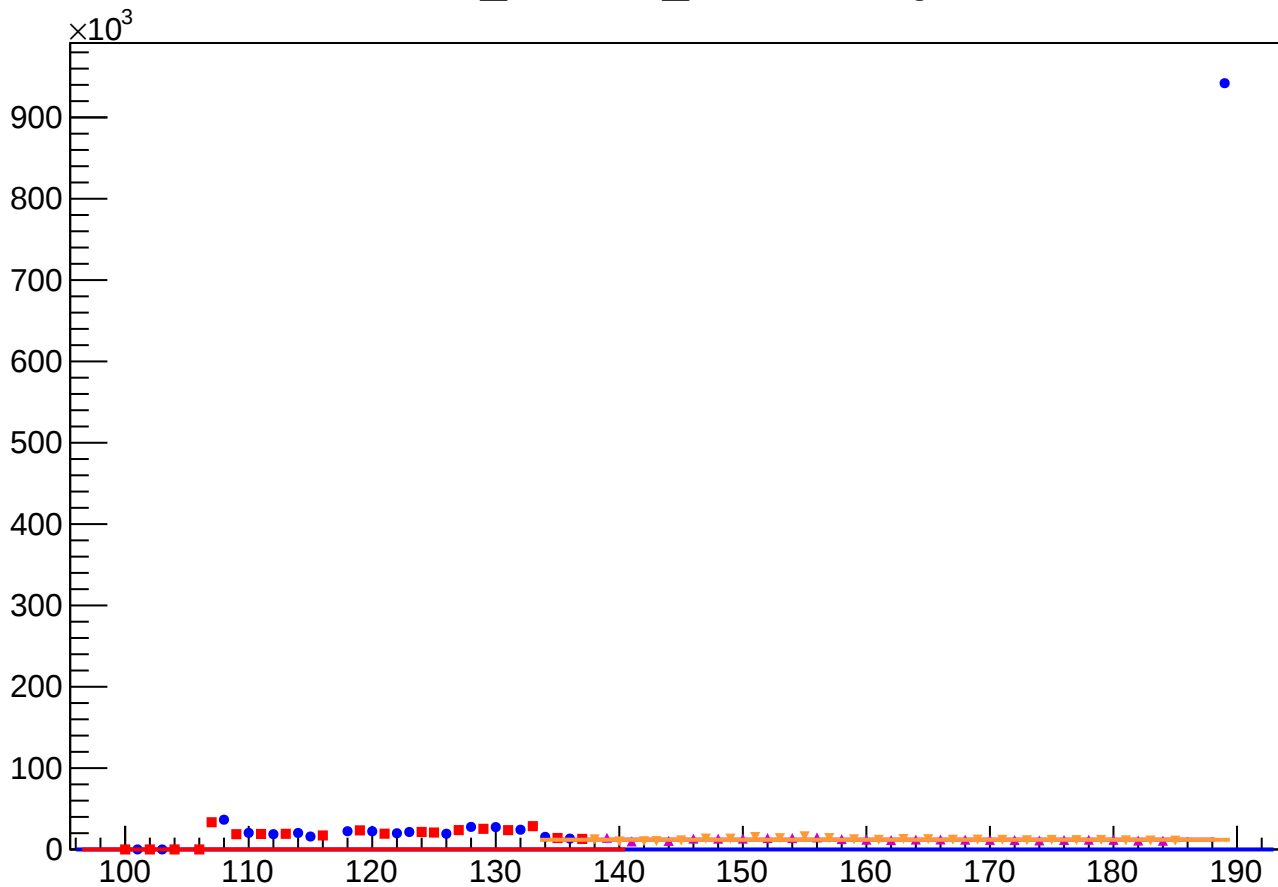
Left In: -0.459 $\pm$ 2.917 χ^2 /NDF: 29.0/22

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

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 148.9/90

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 49.5/45

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

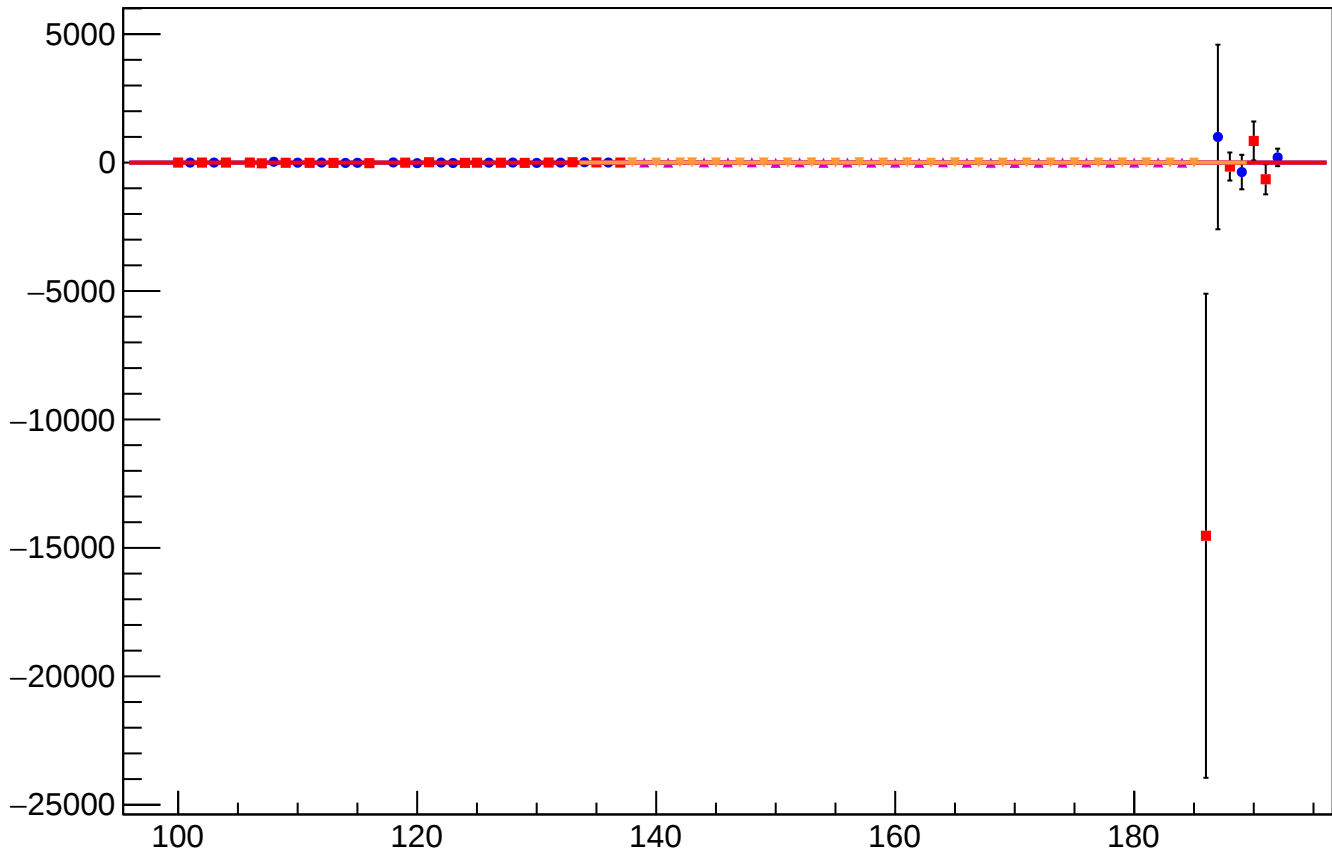
Left In: 12064.761 $\pm$ 2.062 χ^2/NDF : 368452.5/22

+ 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: 23.7/22

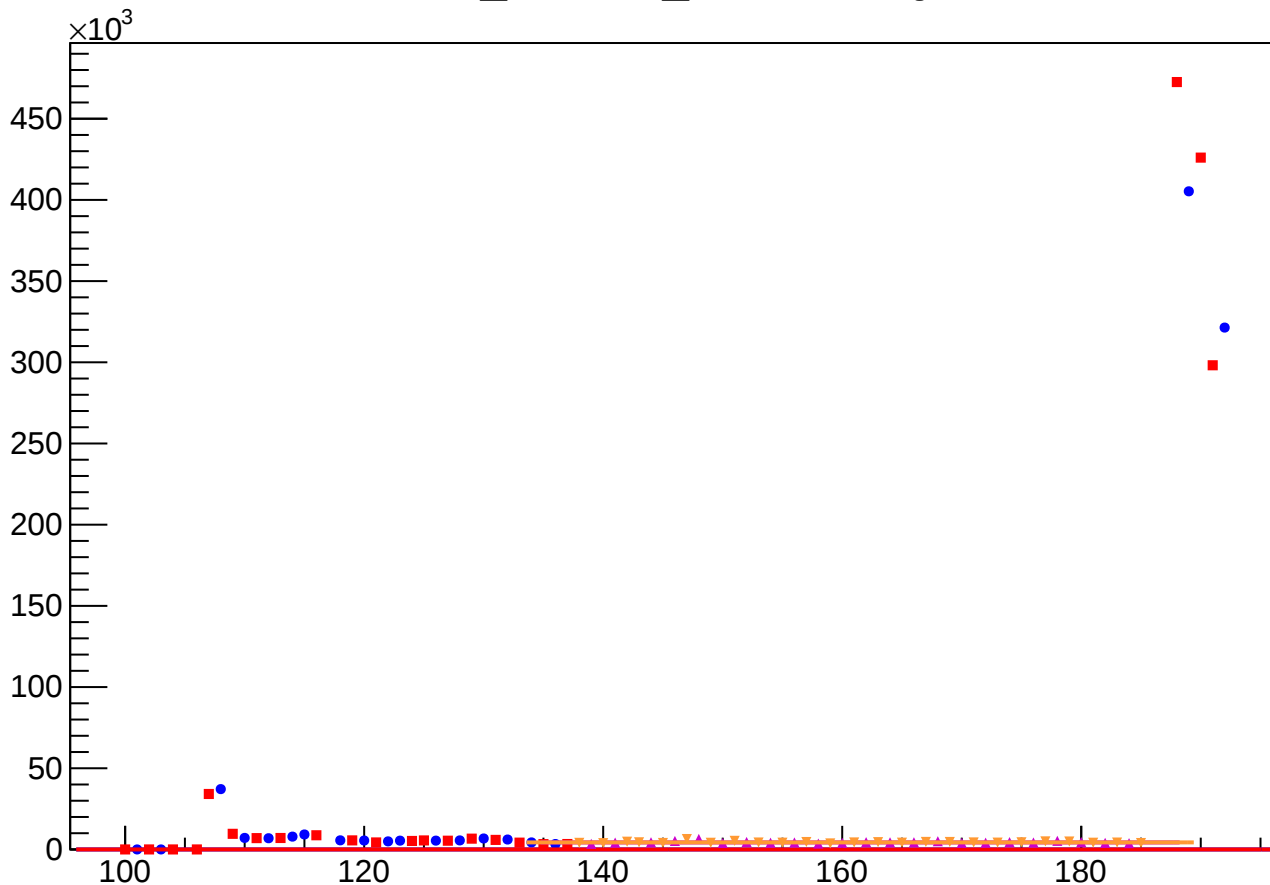
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

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

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 95.8/90

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 60.1/45

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 : 13733062.2/21

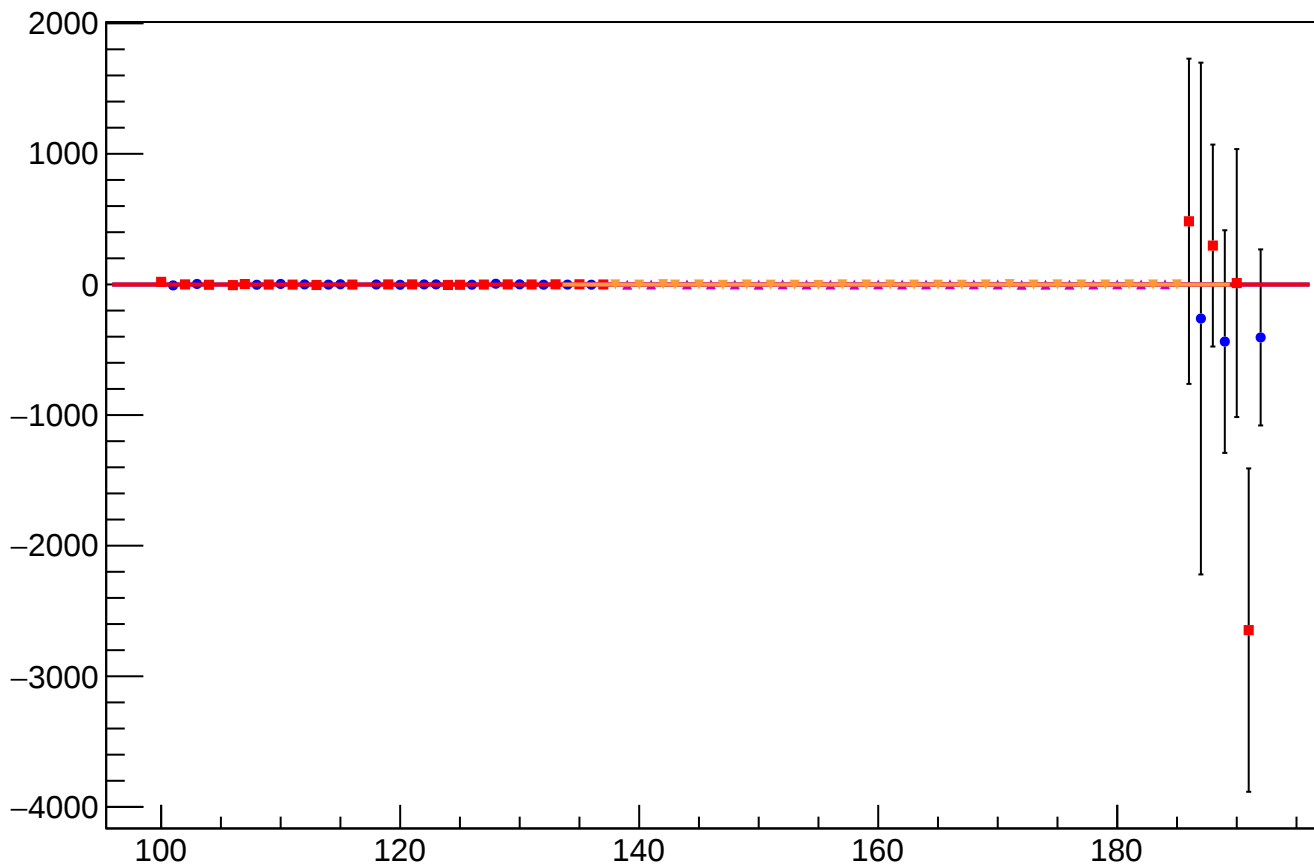
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

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

All: 10.215 ± 0.004 χ^2/NDF : 98045085.2/88

- sign 10.148 ± 0.006 χ^2/NDF : 48066438.1/44

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: -0.638 ± 0.501 χ^2/NDF : 17.9/22

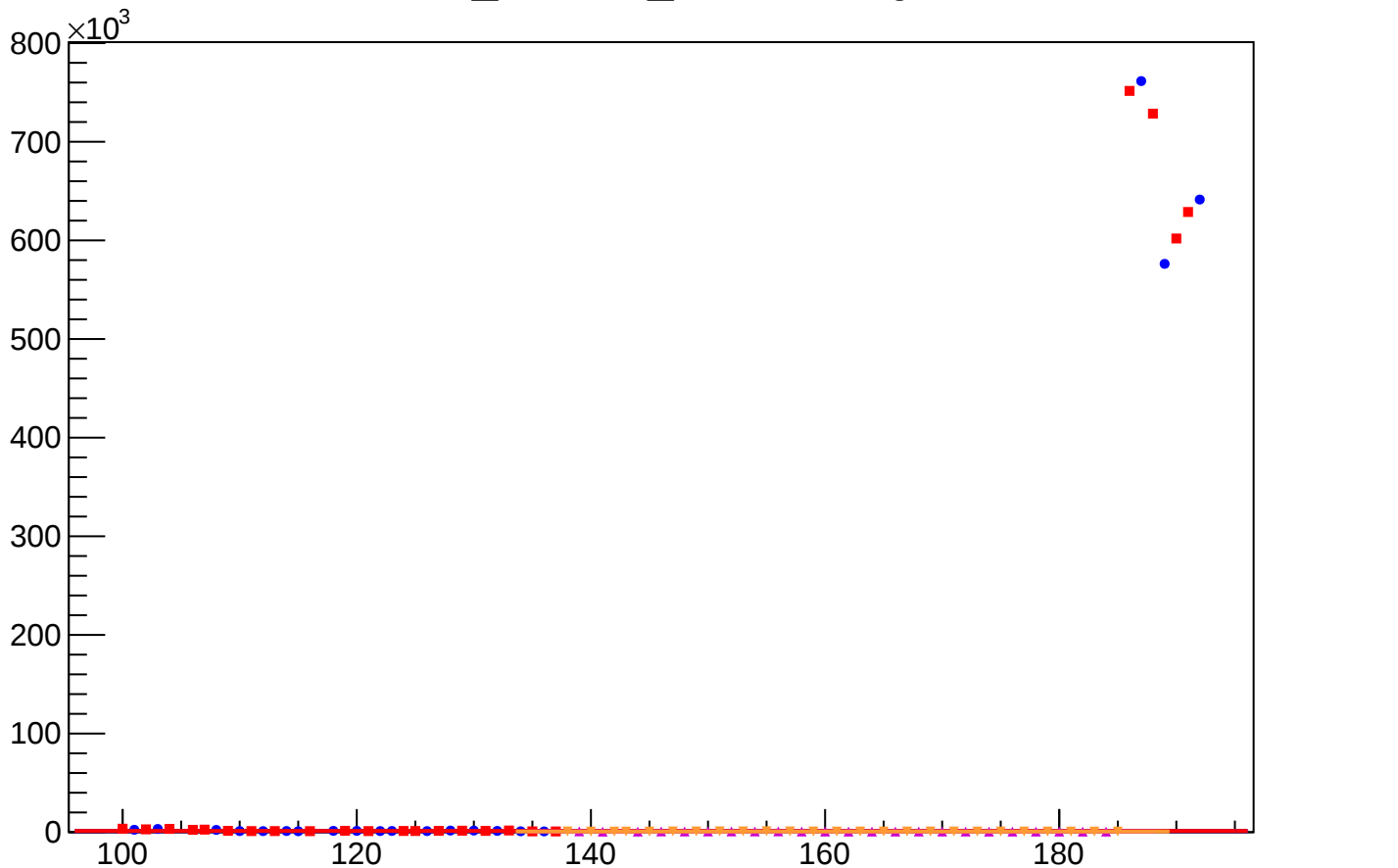
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

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

All: -0.438 ± 0.112 χ^2/NDF : 139.9/90

- sign -0.083 ± 0.162 χ^2/NDF : 48.7/45

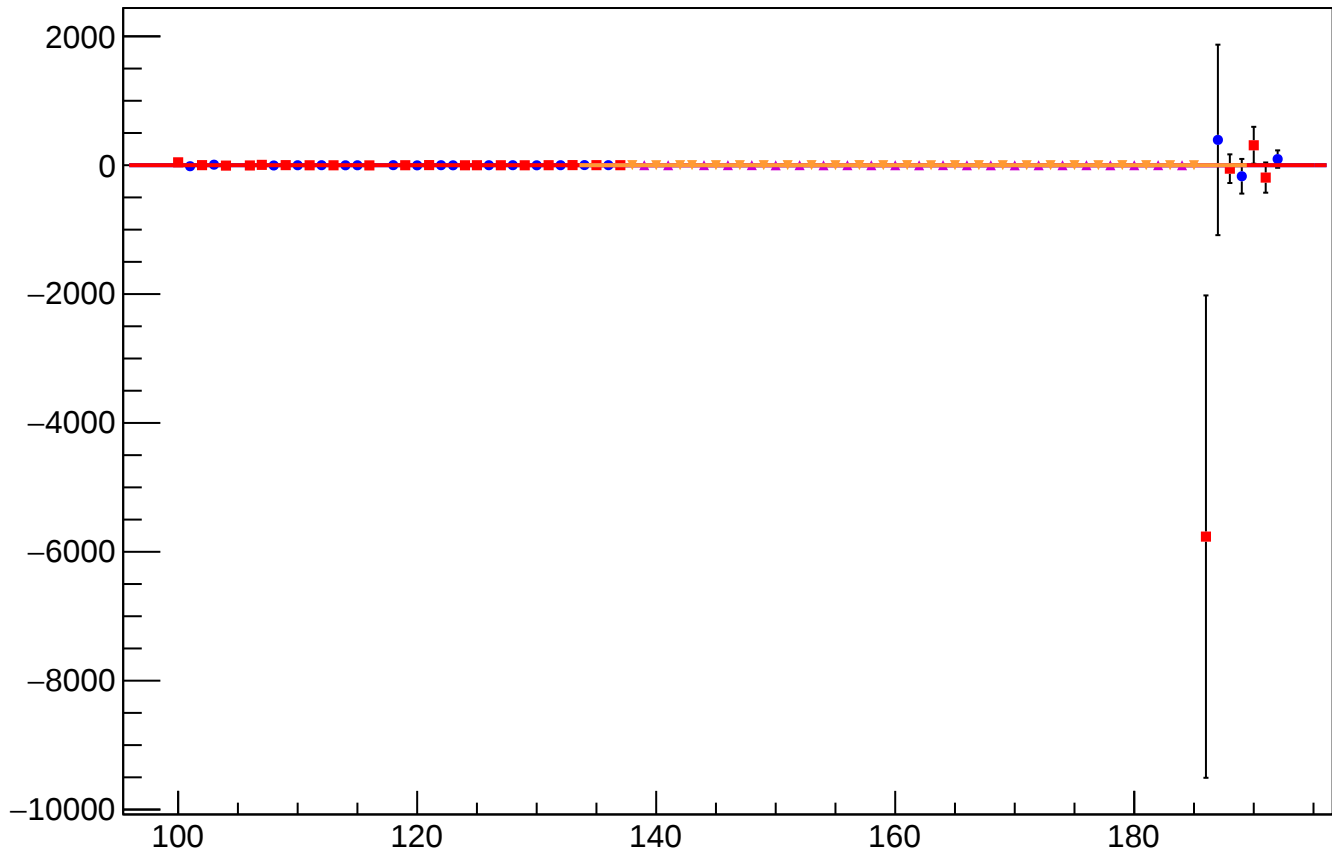
diff_cav4cX_rms vs Slug



Right In: 1167.681 ± 0.342 $\chi^2/\text{NDF}: 4596391.8/19$
 Left Out: 700.984 ± 0.116 $\chi^2/\text{NDF}: 392855.4/24$
 Right Out: 1248.584 ± 0.355 $\chi^2/\text{NDF}: 5316054.2/22$
 Left In: 706.971 ± 0.121 $\chi^2/\text{NDF}: 332011.4/22$

+ sign 749.510 ± 0.110 $\chi^2/\text{NDF}: 6661508.5/44$
 - sign 763.257 ± 0.114 $\chi^2/\text{NDF}: 7738562.3/45$
 All: 756.129 ± 0.079 $\chi^2/\text{NDF}: 14407569.3/90$

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 : 24.8/22

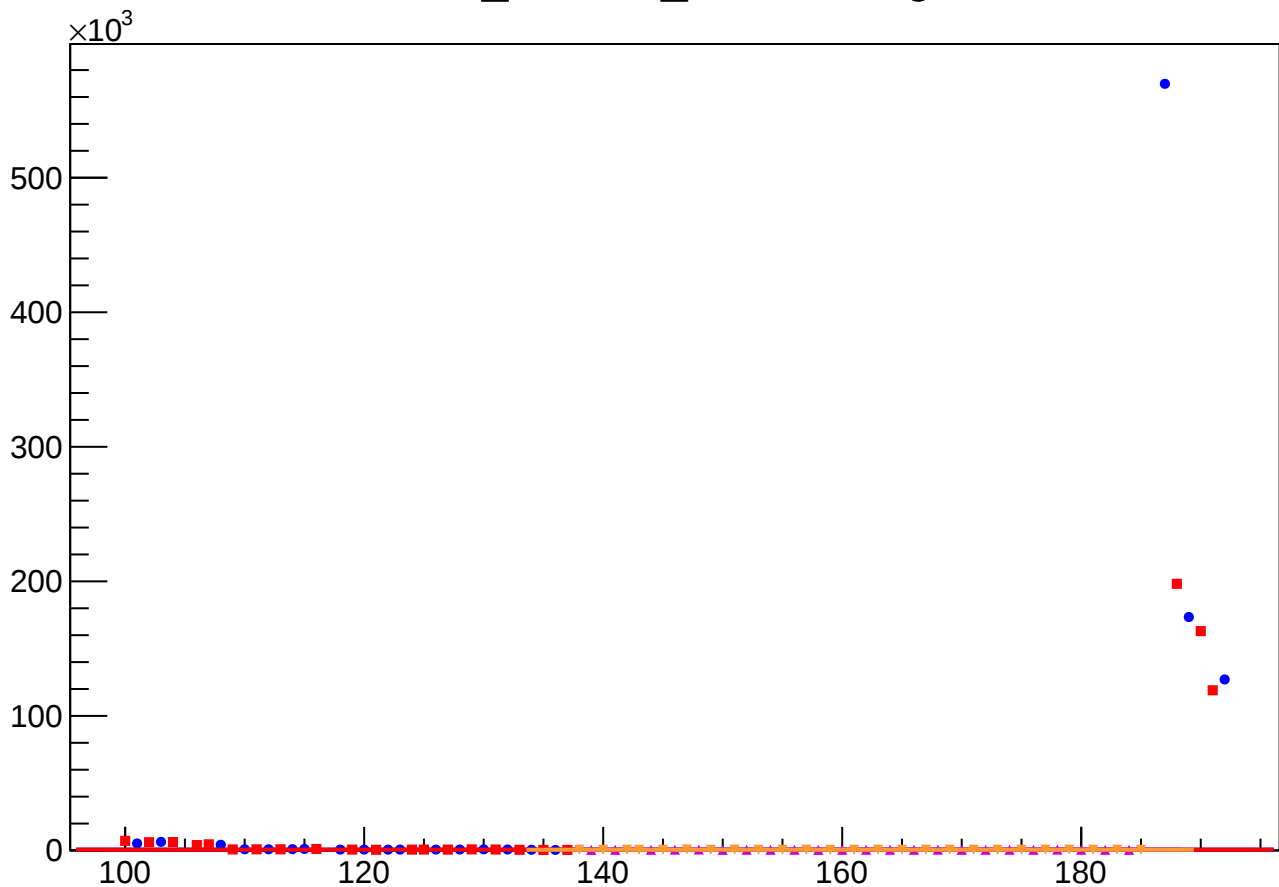
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

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

All: 0.169 ± 0.080 χ^2/NDF : 99.1/90

- sign 0.154 ± 0.114 χ^2/NDF : 60.0/45

diff_cav4cY_rms vs Slug



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: 599.388 $\pm$ 0.187 χ^2 /NDF: 6284043.2/21

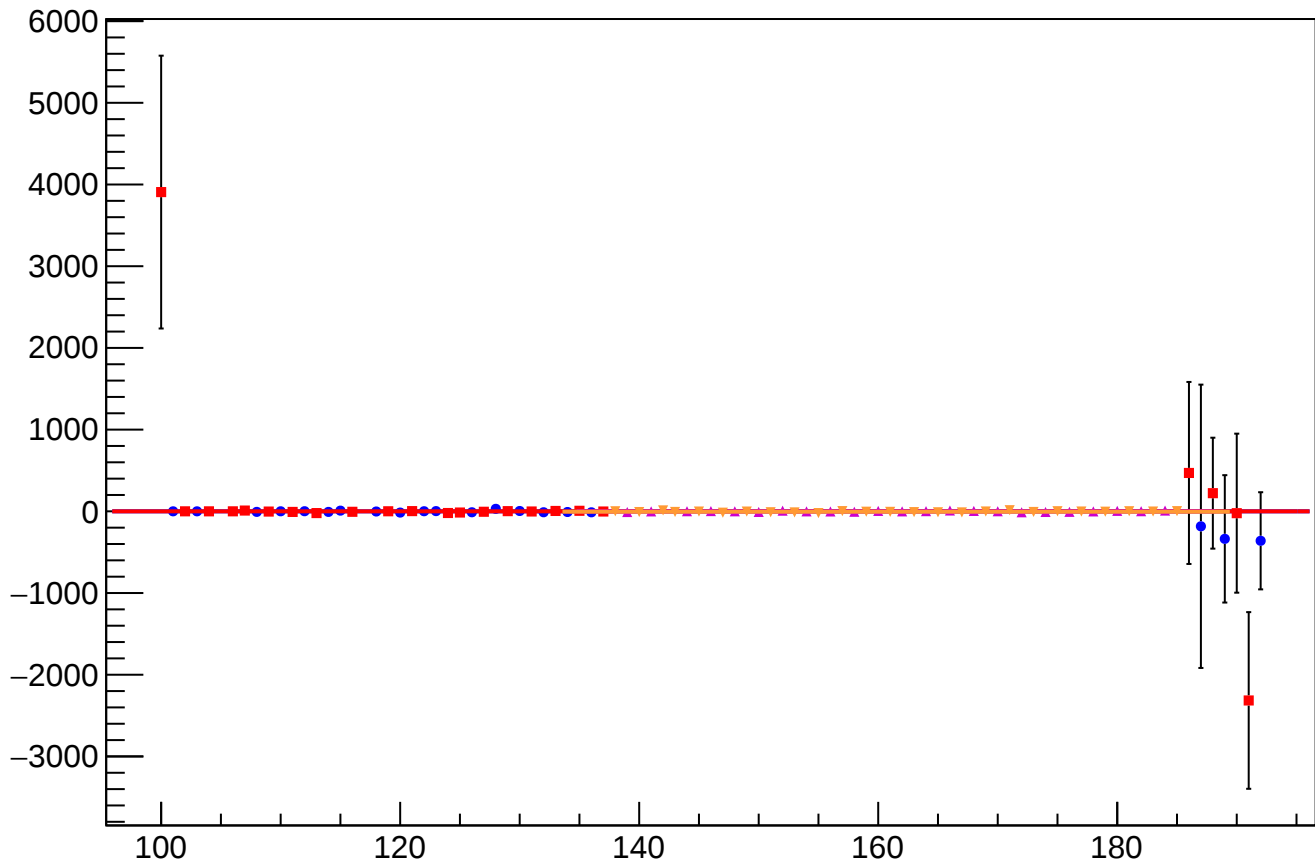
Left In: 520.700 $\pm$ 0.089 χ^2 /NDF: 427720.5/22

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

All: 536.331 $\pm$ 0.056 χ^2 /NDF: 13375536.8/89

- sign 535.288 $\pm$ 0.081 χ^2 /NDF: 6856045.6/44

diff_cav4dX_mean vs Slug



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 16.5/19

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

Right Out: -0.027 $\pm$ 0.020 χ^2 /NDF: 22.3/22

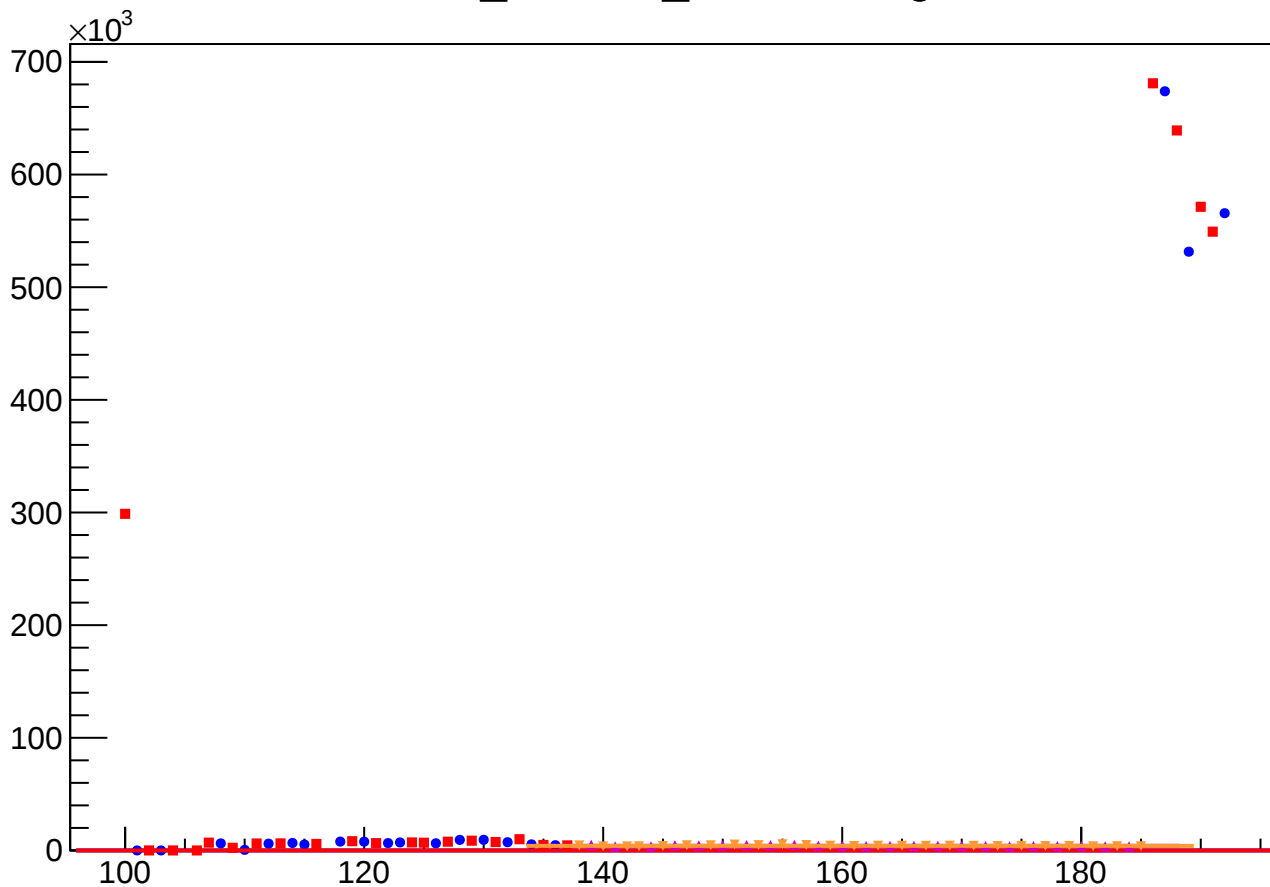
Left In: -0.183 $\pm$ 0.994 χ^2 /NDF: 29.5/22

+ sign -0.024 $\pm$ 0.021 χ^2 /NDF: 96.6/44

All: -0.025 $\pm$ 0.014 χ^2 /NDF: 148.5/90

- sign -0.027 $\pm$ 0.020 χ^2 /NDF: 51.8/45

diff_cav4dX_rms vs Slug



Right In: 17.340 $\pm$ 0.015 χ^2 /NDF: 13500196.5/19

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

Right Out: 17.269 $\pm$ 0.014 χ^2 /NDF: 14491426.9/22

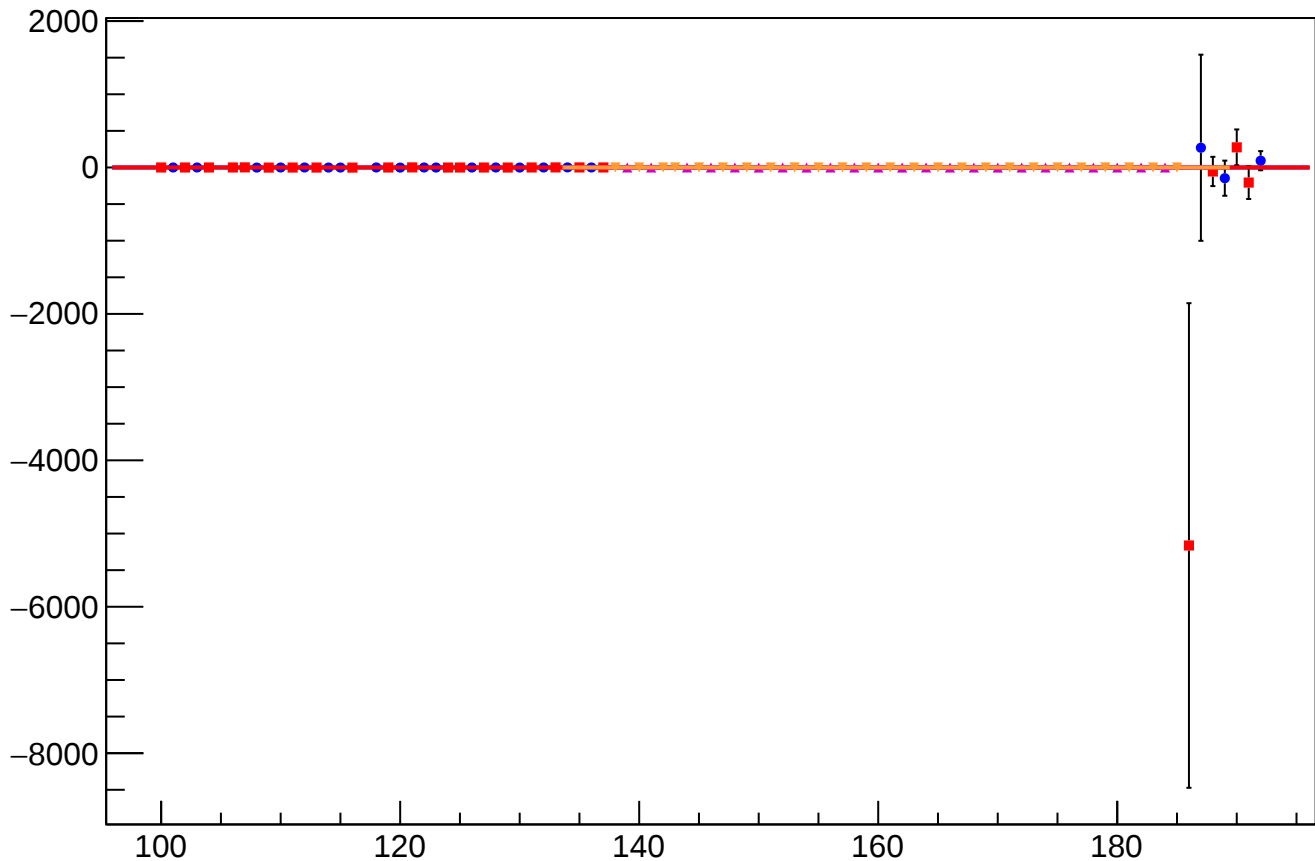
Left In: 4113.993 $\pm$ 0.703 χ^2 /NDF: 349160.6/22

+ sign 19.255 $\pm$ 0.015 χ^2 /NDF: 49850344.6/44

All: 19.063 $\pm$ 0.010 χ^2 /NDF: 98647220.5/90

- sign 18.889 $\pm$ 0.014 χ^2 /NDF: 48796551.6/45

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: 22.8/22

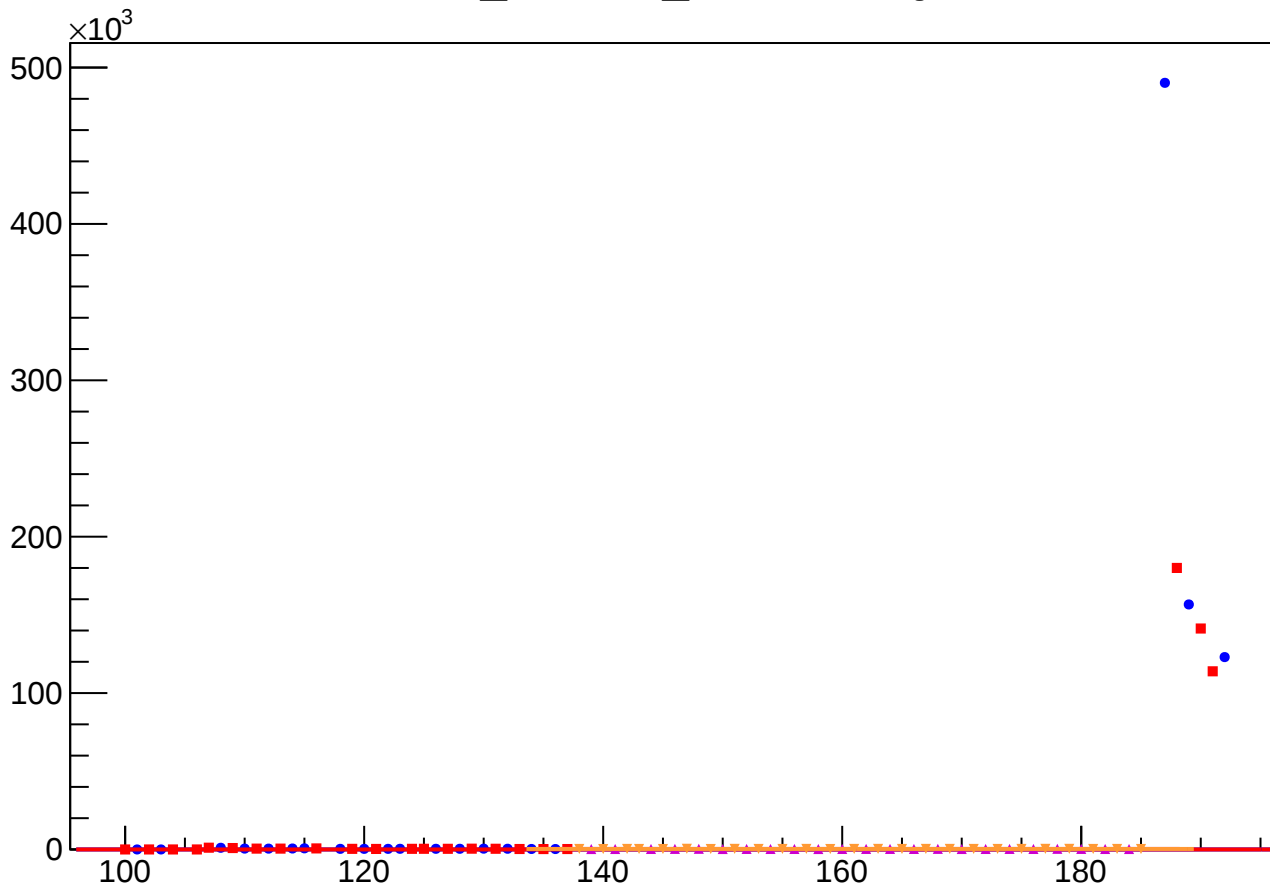
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF: 34.6/22

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

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 94.1/90

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 58.4/45

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: 13506031.7/21

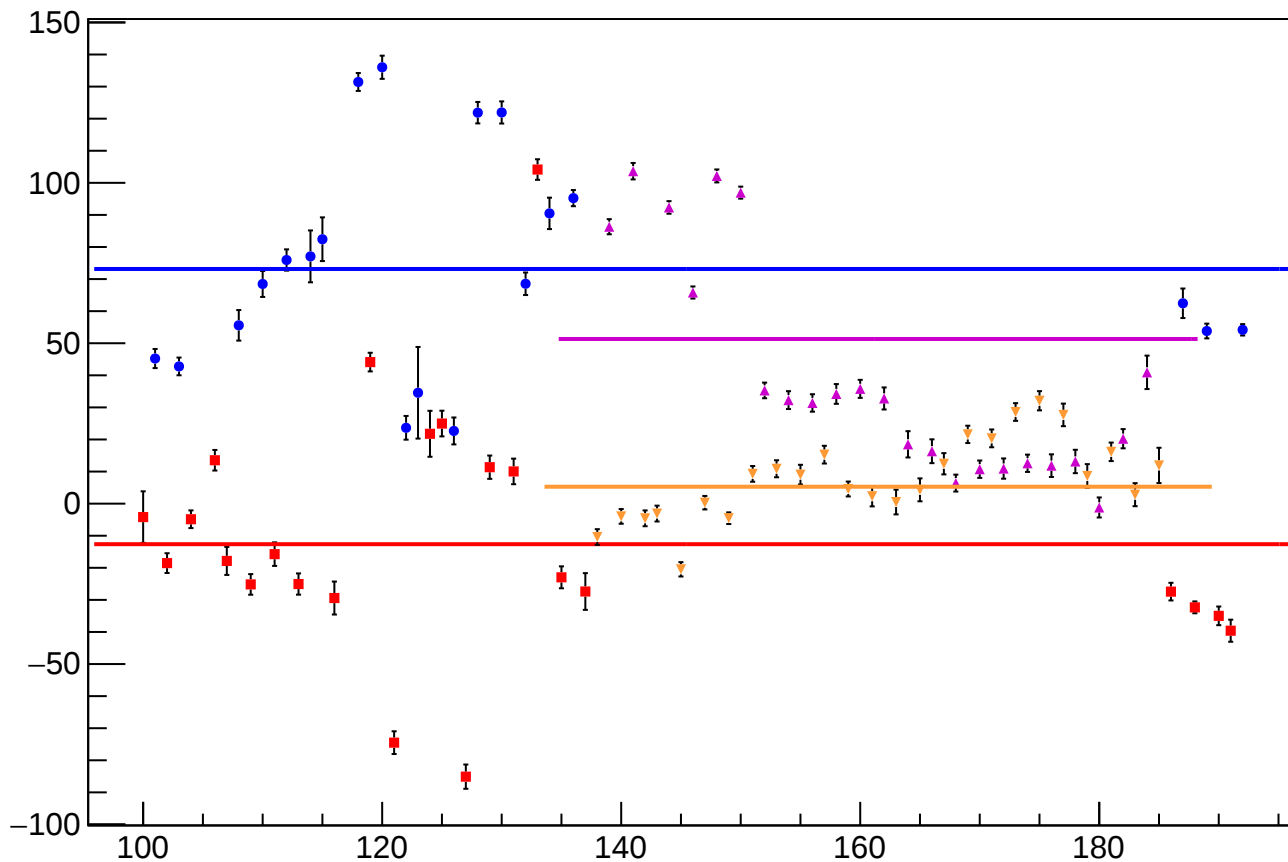
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF: 413350.0/22

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

All: 1.925 $\pm$ 0.001 χ^2 /NDF: 97787340.7/89

- sign 1.924 $\pm$ 0.001 χ^2 /NDF: 47643956.9/44

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: -12.639 $\pm$ 0.702 χ^2 /NDF: 2969.9/22

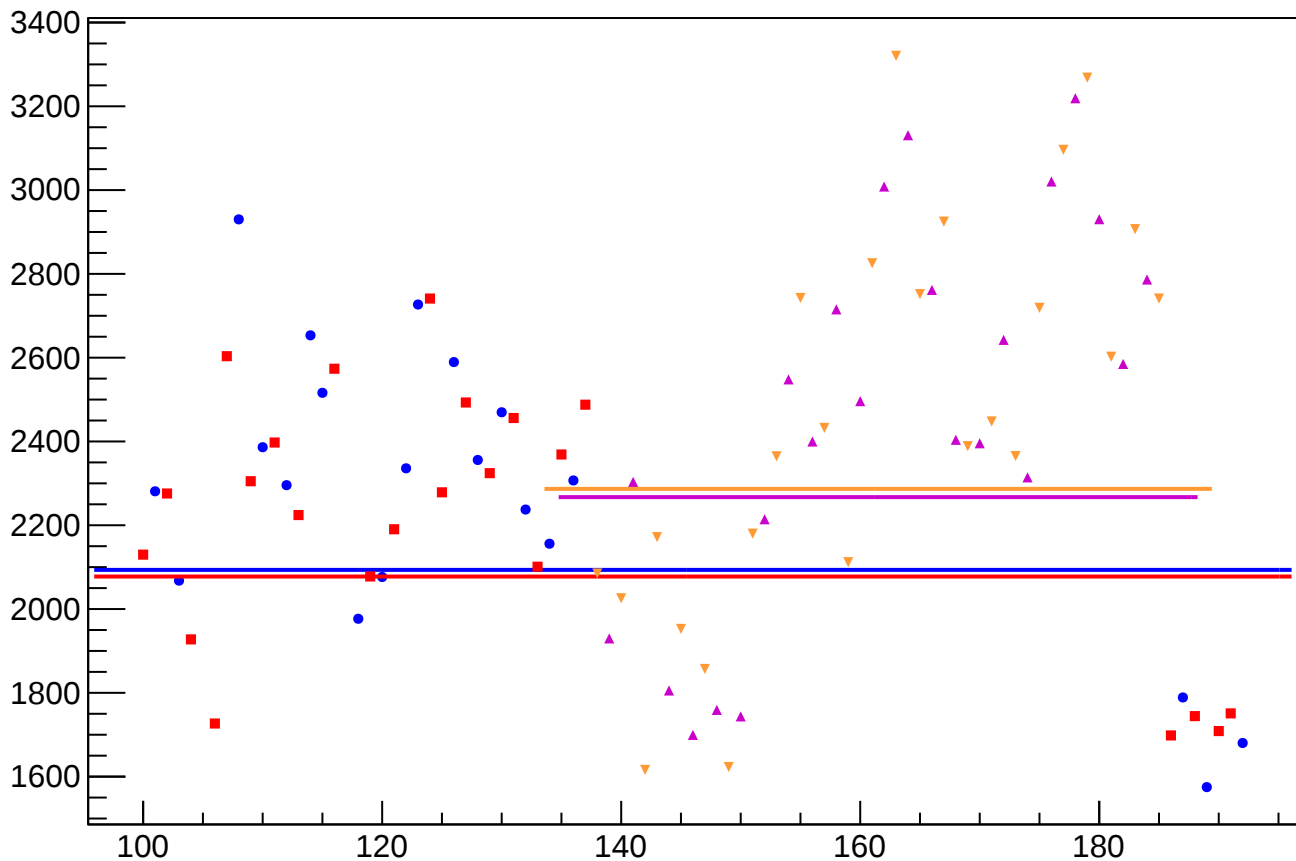
Left In: 51.328 $\pm$ 0.558 χ^2 /NDF: 4257.8/22

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

All: 27.803 $\pm$ 0.309 χ^2 /NDF: 20341.7/90

- sign 26.521 $\pm$ 0.437 χ^2 /NDF: 12317.6/45

diff_bpm0i01X_rms vs Slug



Right In: 2093.484 $\pm$ 0.523 χ^2 /NDF: 422521.3/19

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

Right Out: 2077.613 $\pm$ 0.496 χ^2 /NDF: 368707.7/22

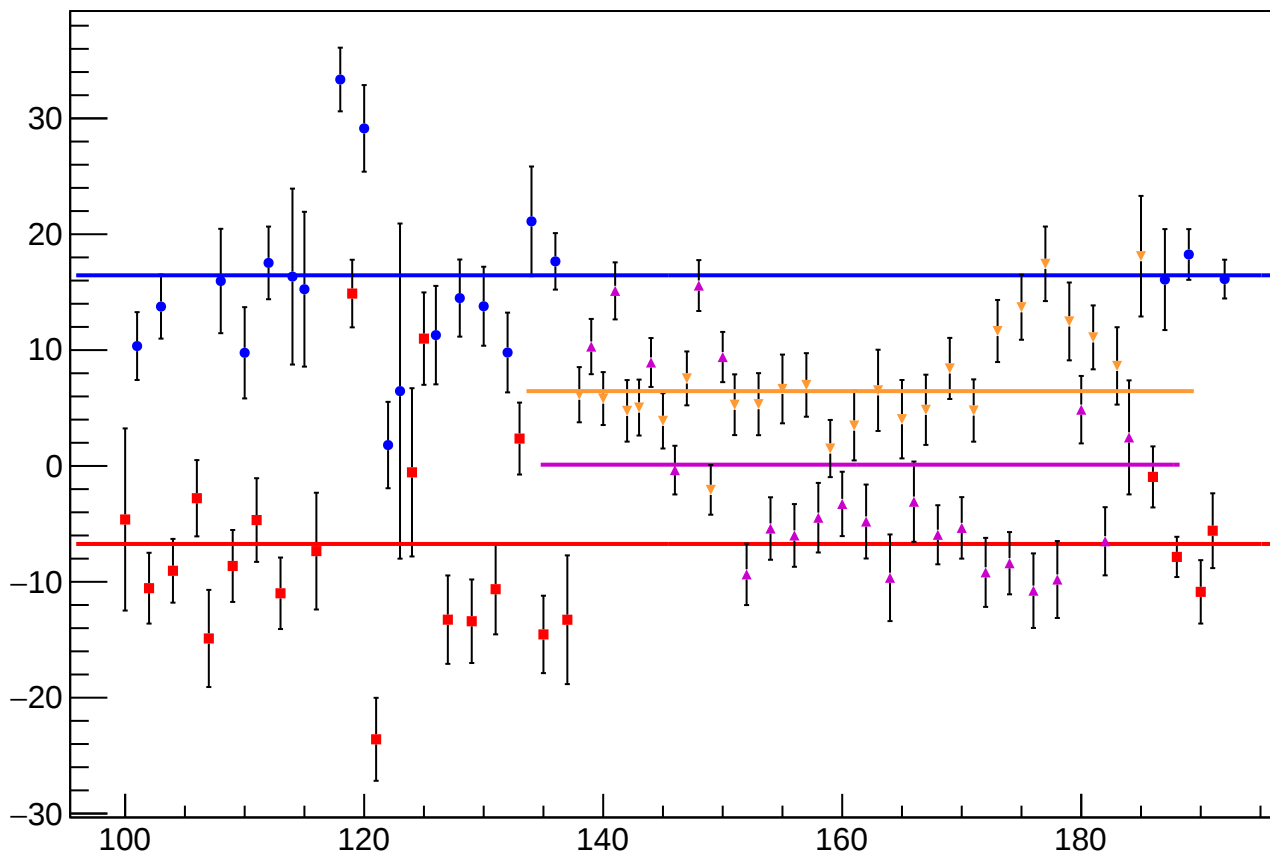
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 2219.005 $\pm$ 0.310 χ^2 /NDF: 1871652.6/44

All: 2206.264 $\pm$ 0.219 χ^2 /NDF: 3646417.0/90

- sign 2193.613 $\pm$ 0.309 χ^2 /NDF: 1771398.0/45

diff_bpm0i01Y_mean vs Slug



Right In: 16.455 ± 0.720 χ^2/NDF : 81.7/19

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

Right Out: -6.732 ± 0.682 χ^2/NDF : 138.2/22

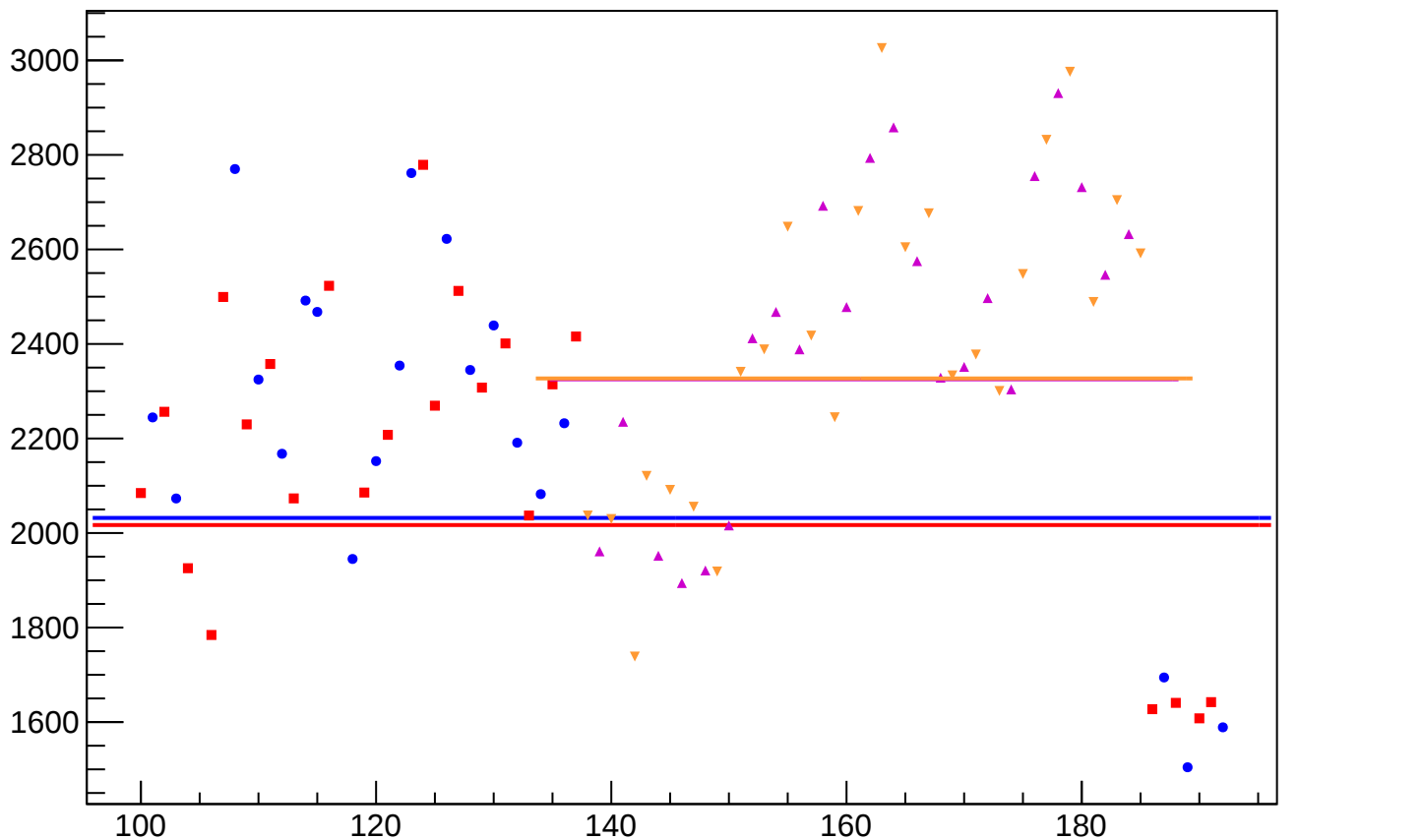
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 10.124 ± 0.436 χ^2/NDF : 262.7/44

All: 3.716 ± 0.308 χ^2/NDF : 1126.9/90

- sign -2.674 ± 0.435 χ^2/NDF : 432.4/45

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: 2016.903 $\pm$ 0.482 χ^2 /NDF: 437653.2/22

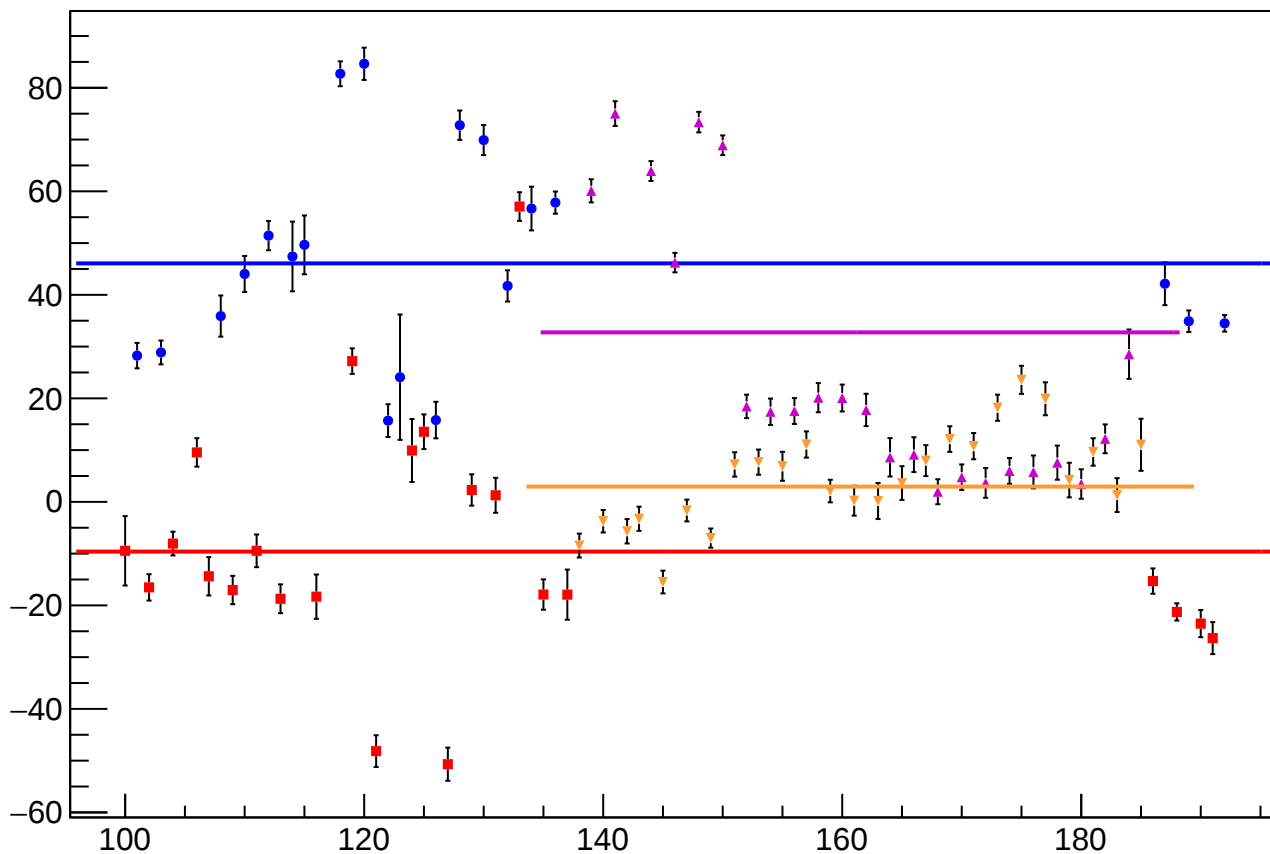
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

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

All: 2209.262 $\pm$ 0.218 χ^2 /NDF: 2642882.2/90

- sign 2199.700 $\pm$ 0.308 χ^2 /NDF: 1290588.7/45

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: -9.607 ± 0.604 χ^2/NDF : 1412.4/22

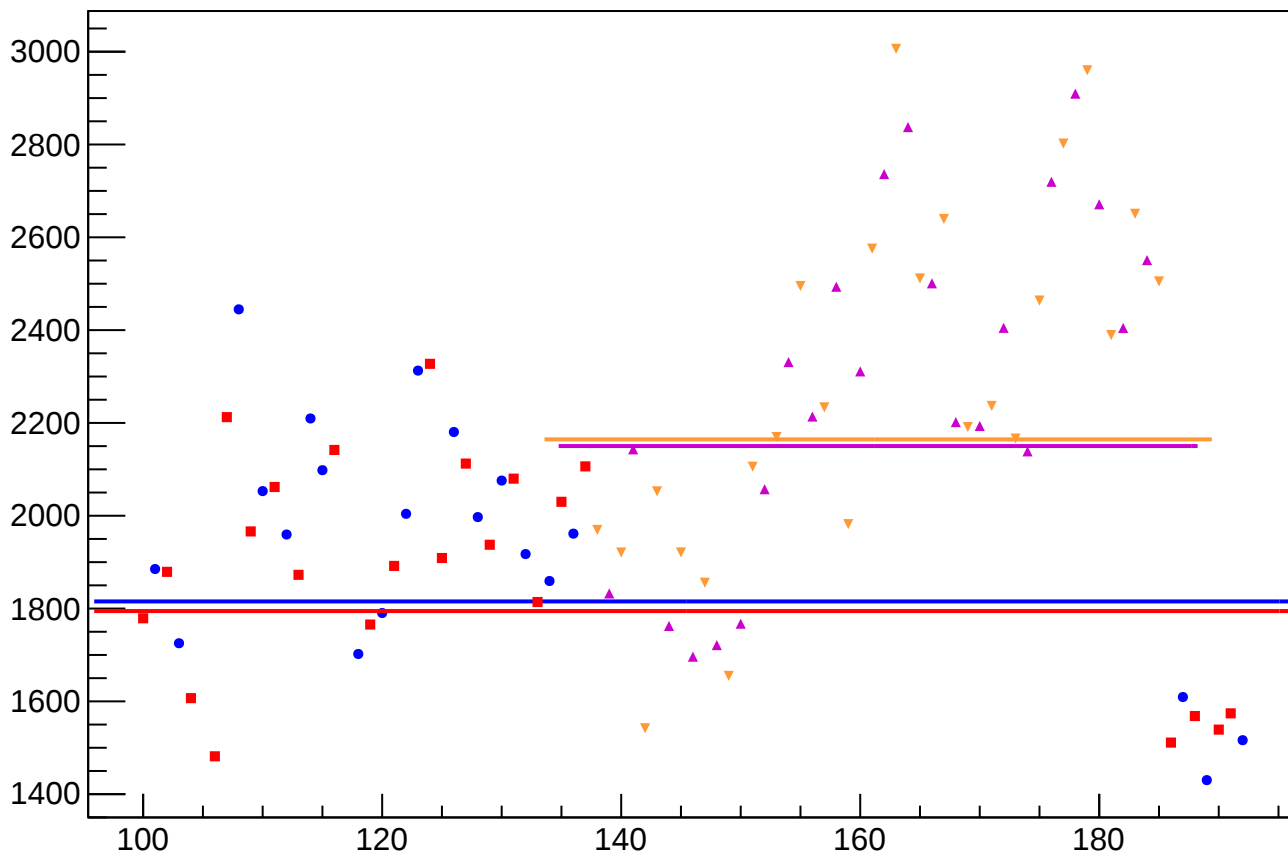
Left In: 32.745 ± 0.526 χ^2/NDF : 2632.5/22

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

All: 17.129 ± 0.282 χ^2/NDF : 10990.2/90

- sign 14.485 ± 0.397 χ^2/NDF : 6838.8/45

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: 1794.611 ± 0.427 χ^2/NDF : 276598.3/22

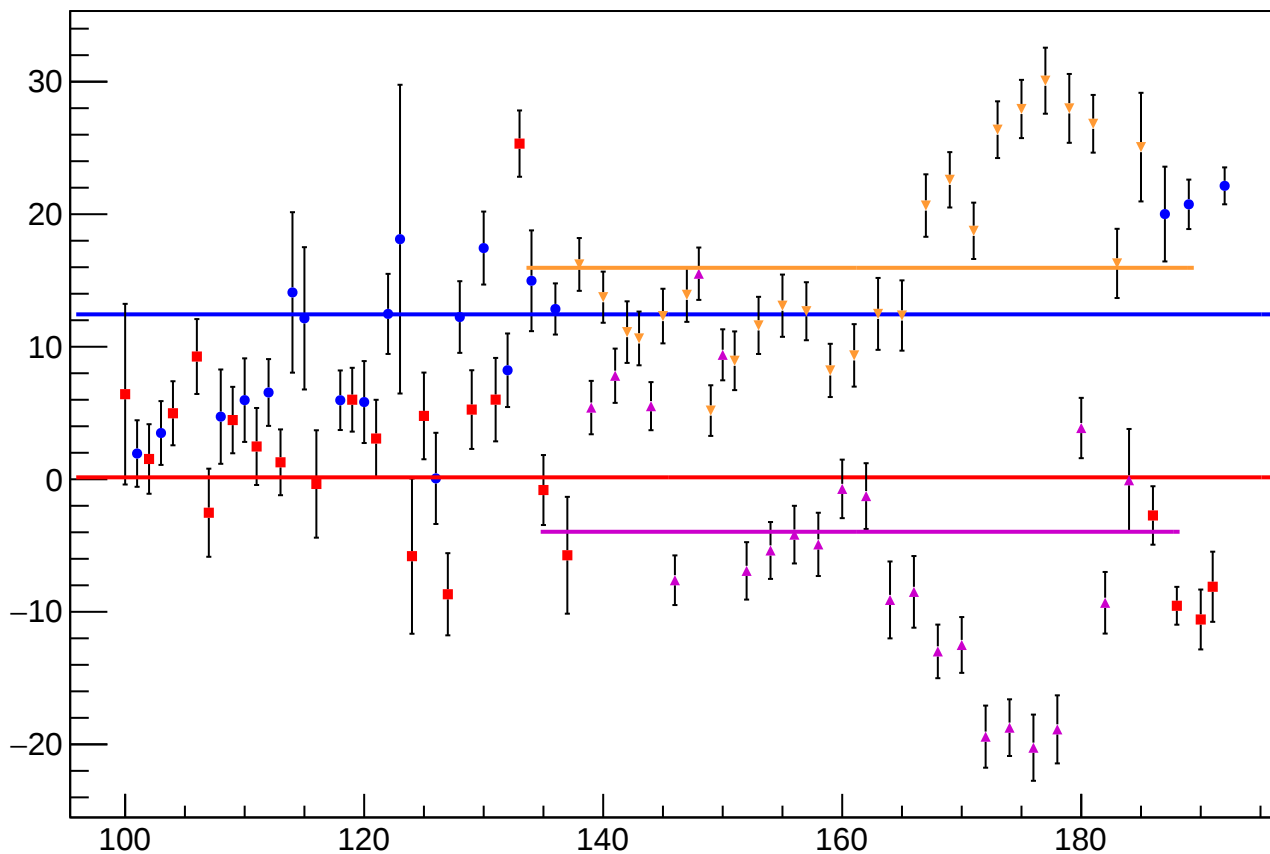
Left In: 2150.190 ± 0.372 χ^2/NDF : 911849.7/22

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

All: 2012.368 ± 0.199 χ^2/NDF : 3214954.4/90

- sign 1996.881 ± 0.281 χ^2/NDF : 1582325.2/45

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: 0.147 ± 0.561 χ^2/NDF : 227.8/22

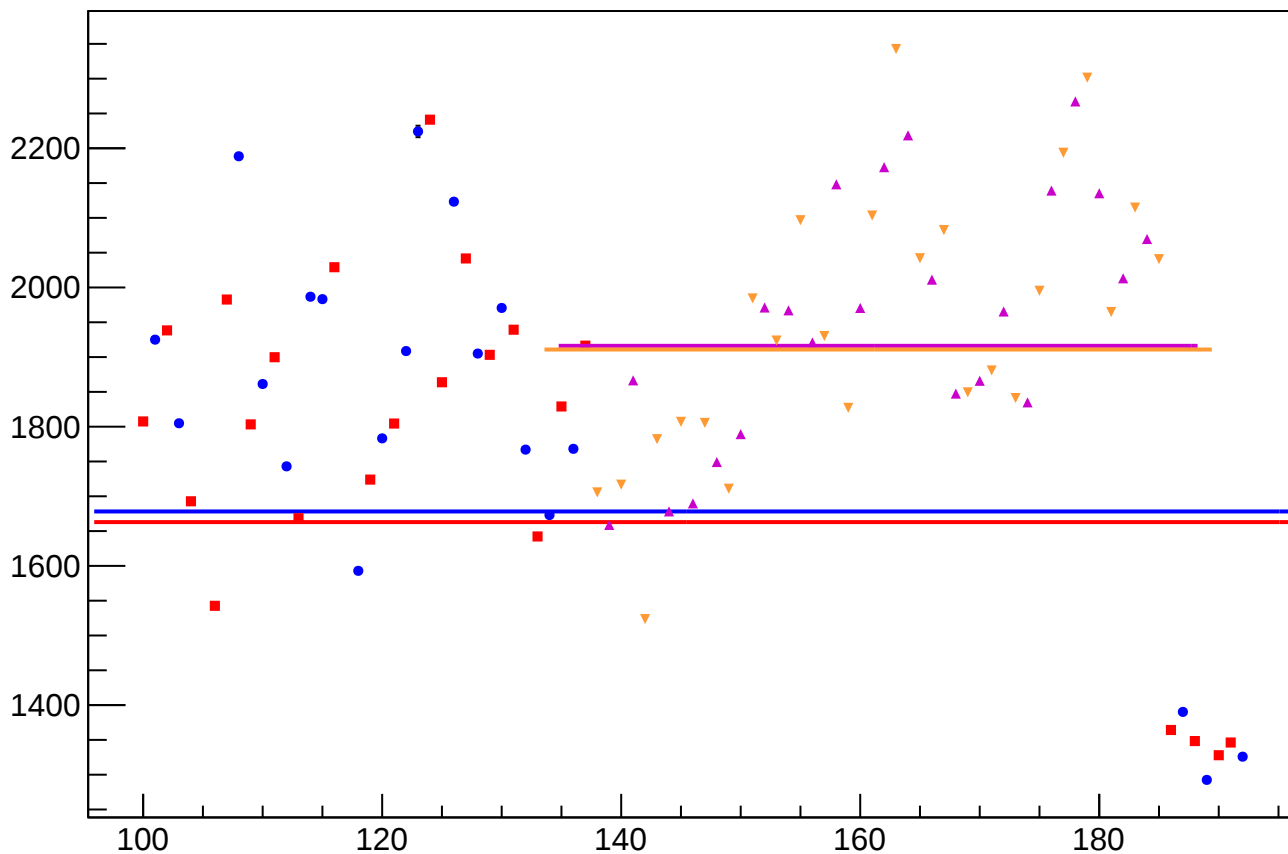
Left In: -3.960 ± 0.463 χ^2/NDF : 464.9/22

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

All: 6.193 ± 0.252 χ^2/NDF : 2273.5/90

- sign -2.297 ± 0.357 χ^2/NDF : 724.6/45

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: 1662.904 $\pm$ 0.397 χ^2 /NDF: 393826.0/22

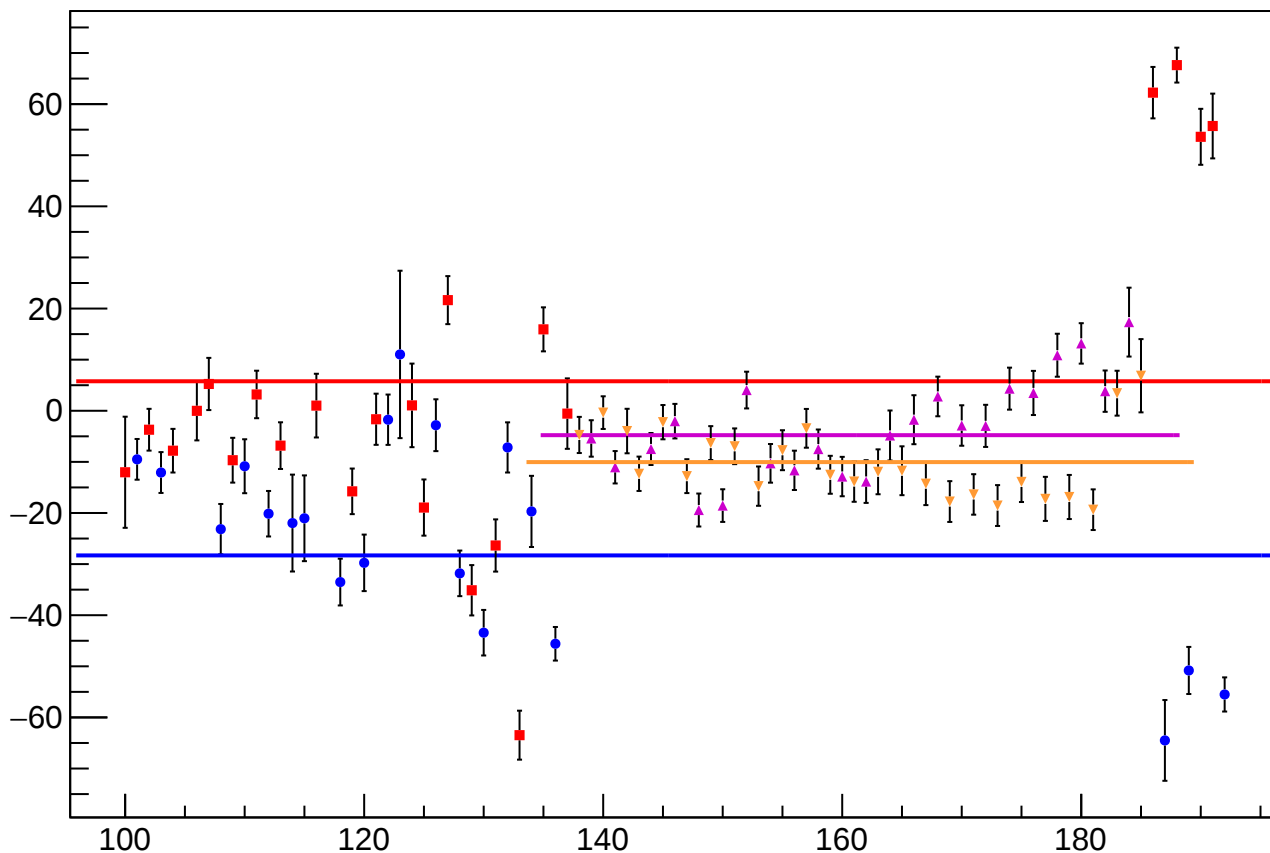
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF:274285.3/22

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

All: 1819.984 $\pm$ 0.179 χ^2 /NDF: 1847062.8/90

- sign 1813.637 $\pm$ 0.252 χ^2 /NDF: 910531.3/45

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: 5.773 ± 1.038 χ^2/NDF : 1014.1/22

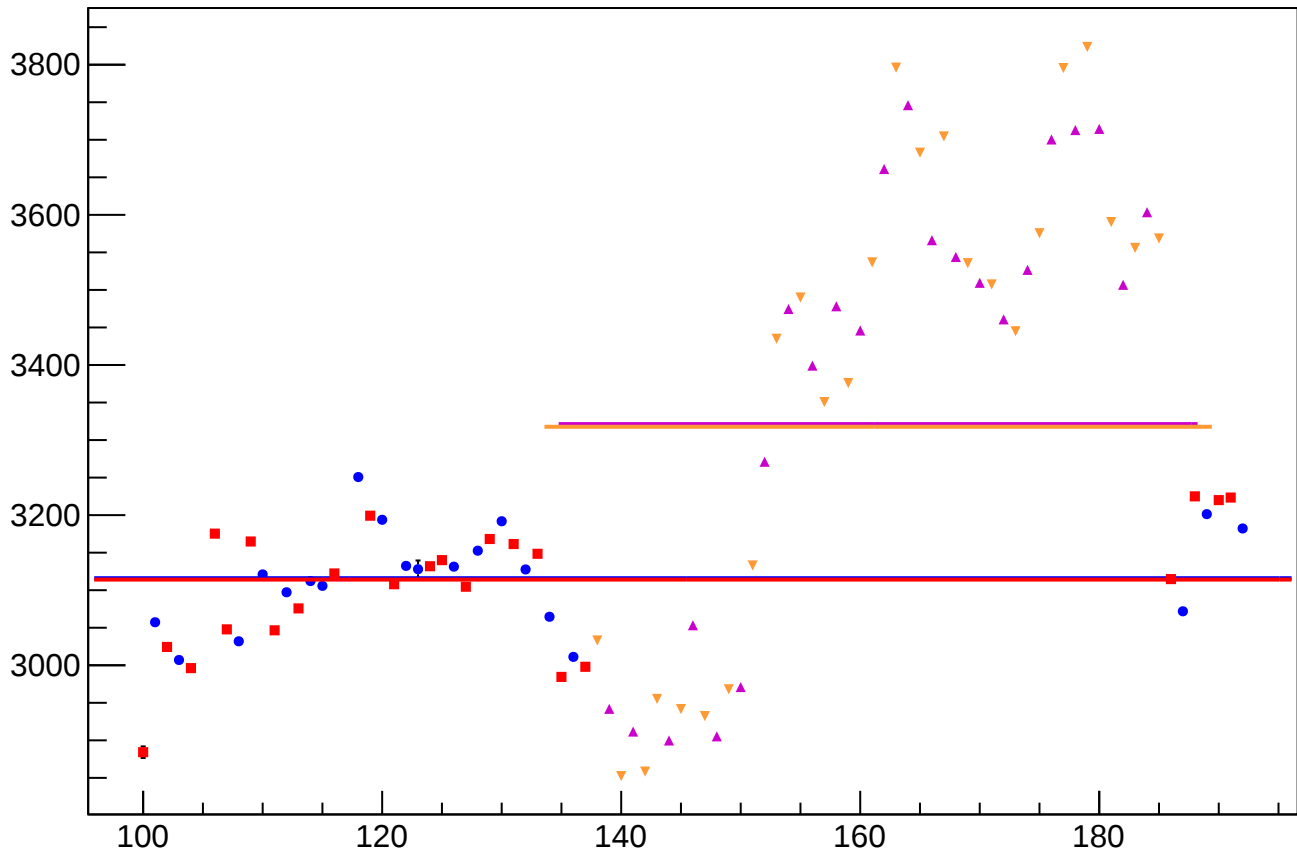
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

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

All: -8.567 ± 0.447 χ^2/NDF : 2045.9/90

- sign -0.839 ± 0.634 χ^2/NDF : 1207.4/45

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: 3114.145 $\pm$ 0.734 χ^2 /NDF: 11922.8/22

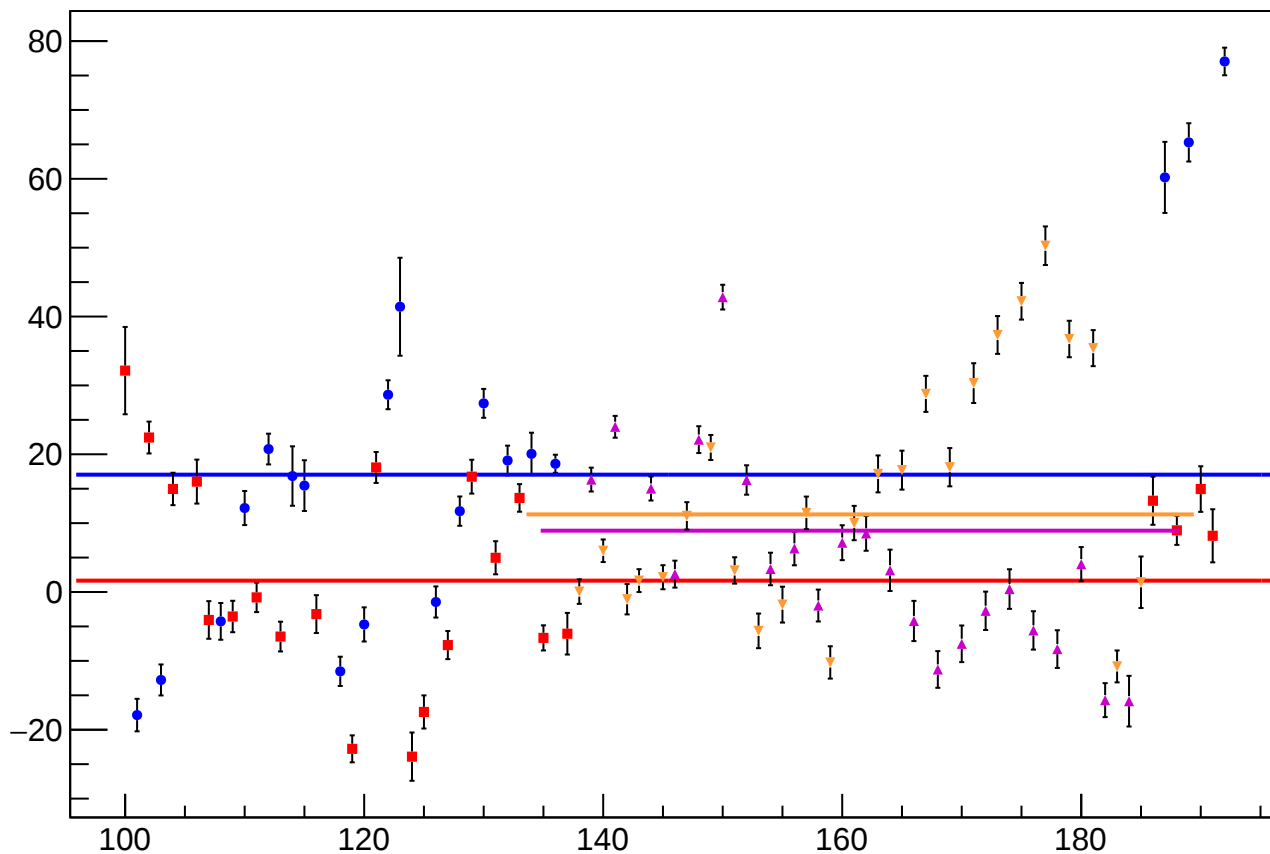
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF:284334.2/22

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

All: 3246.674 $\pm$ 0.316 χ^2 /NDF: 738047.1/90

- sign 3244.004 $\pm$ 0.448 χ^2 /NDF: 346213.9/45

diff_bpm0l01Y_mean vs Slug



Right In: 17.039 ± 0.527 $\chi^2/\text{NDF}: 2133.5/19$

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

Right Out: 1.651 ± 0.513 $\chi^2/\text{NDF}: 675.5/22$

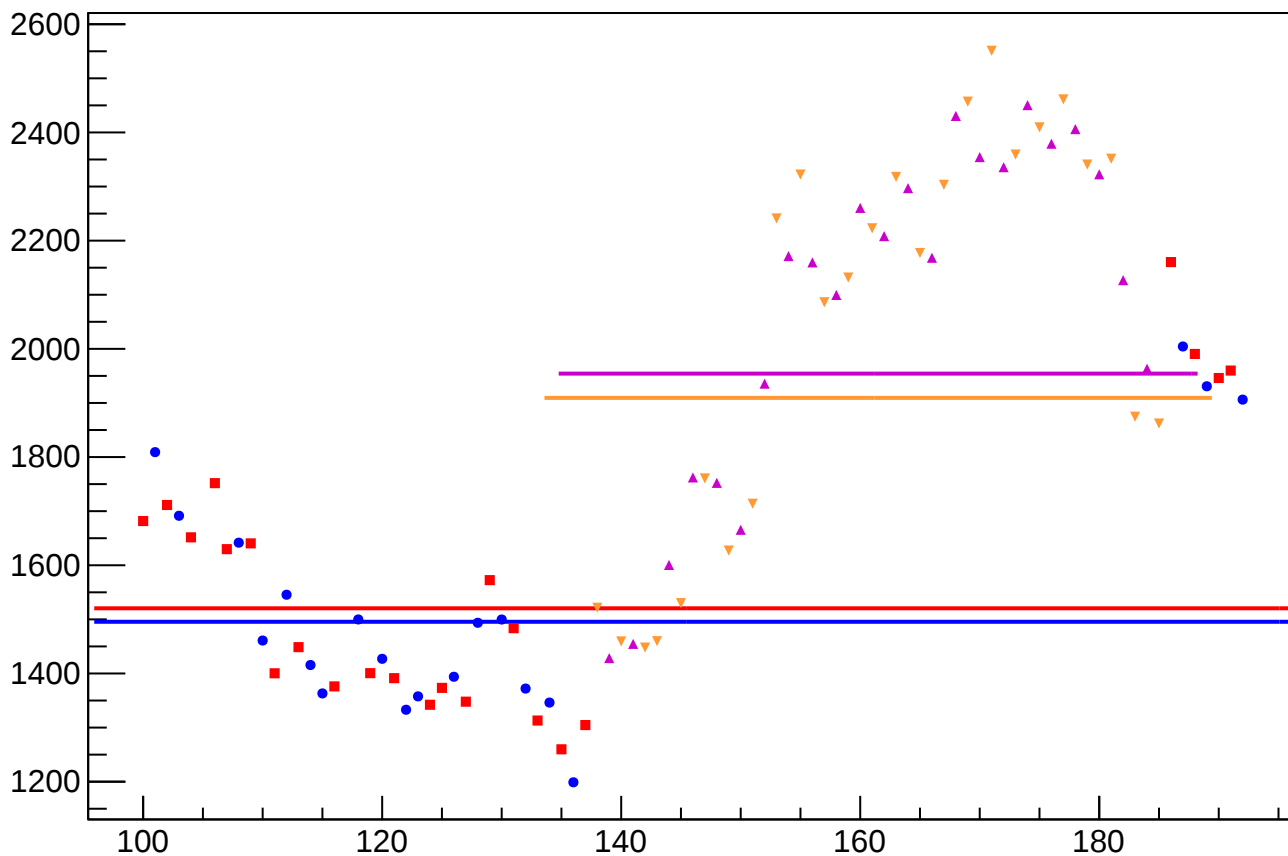
Left In: 8.905 ± 0.478 $\chi^2/\text{NDF}: 936.3/22$

+ sign 13.728 ± 0.344 $\chi^2/\text{NDF}: 3344.0/44$

All: 9.697 ± 0.245 $\chi^2/\text{NDF}: 5341.7/90$

- sign 5.538 ± 0.350 $\chi^2/\text{NDF}: 1718.9/45$

diff_bpm0l01Y_rms vs Slug



Right In: 1495.563+/-0.373 χ^2/NDF : 345211.7/19

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

Right Out: 1520.458+/-0.363 χ^2/NDF : 394888.0/22

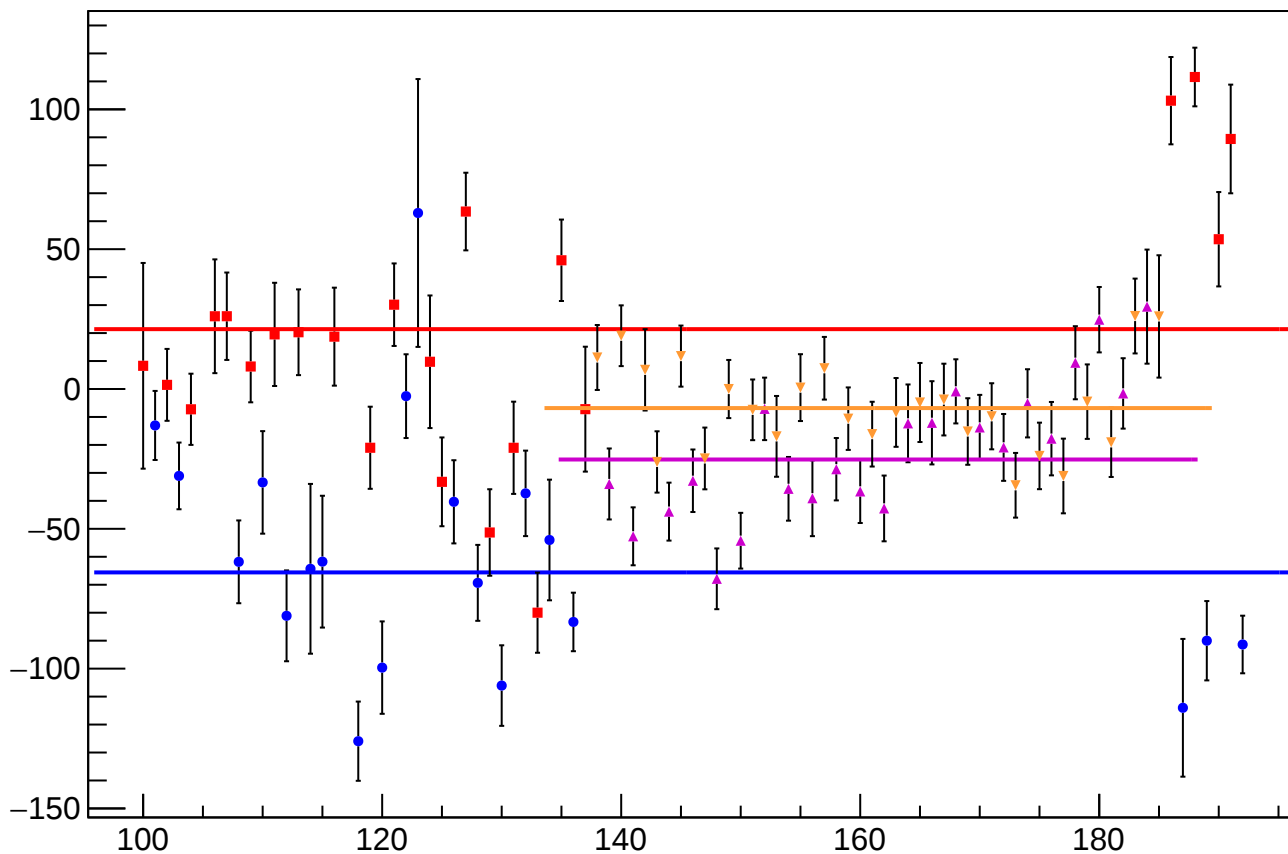
Left In: 1954.236+/-0.338 χ^2/NDF :1044826.7/22

+ sign 1732.961+/-0.243 χ^2/NDF : 2451010.3/44

All: 1742.782+/-0.173 χ^2/NDF : 4659988.0/90

- sign 1752.915+/-0.247 χ^2/NDF : 2205668.4/45

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: 21.401 ± 3.245 χ^2/NDF : 239.3/22

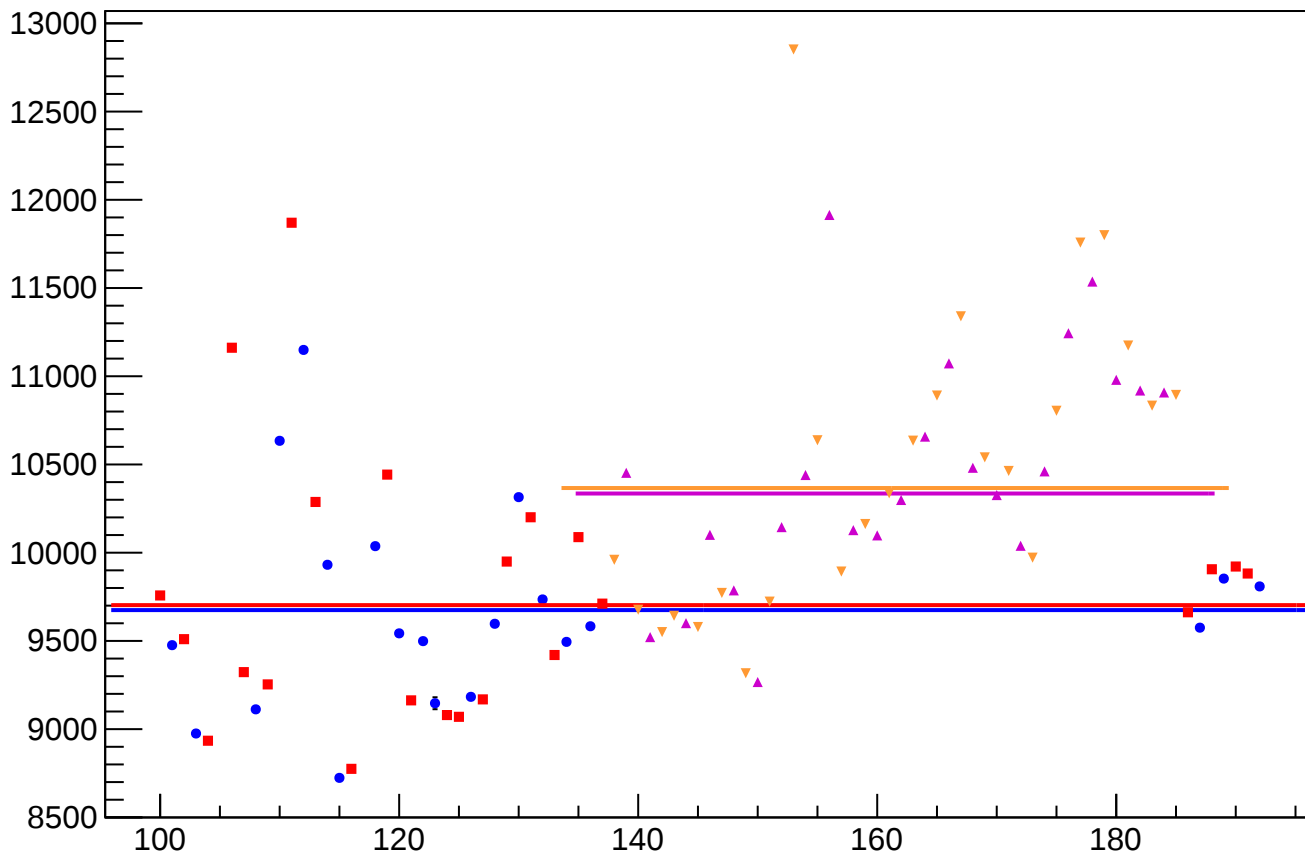
Left In: -25.215 ± 2.487 χ^2/NDF : 89.3/22

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

All: -17.406 ± 1.394 χ^2/NDF : 854.8/90

- sign -7.968 ± 1.974 χ^2/NDF : 458.6/45

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: 9702.861 $\pm$ 2.294 χ^2 /NDF: 78823.6/22

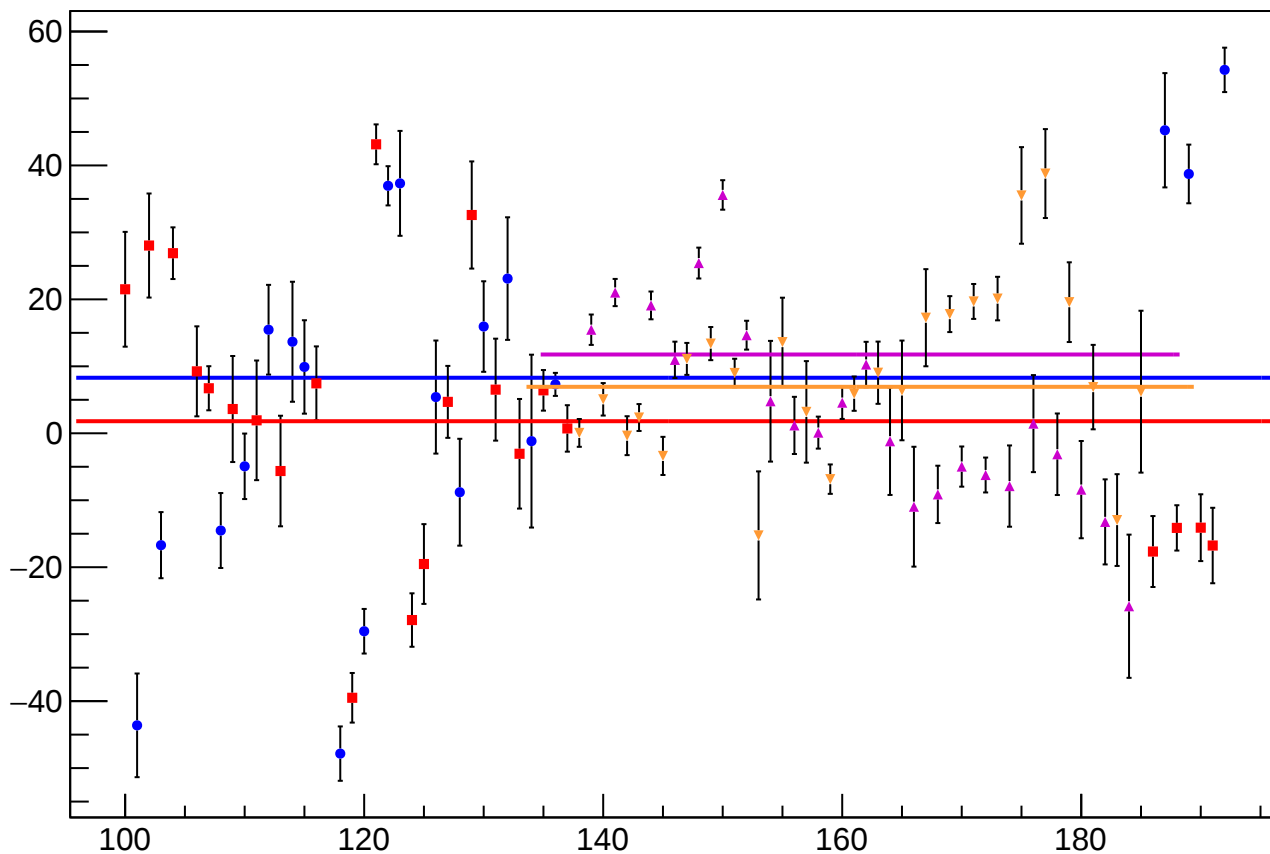
Left In: 10335.399 $\pm$ 1.758 χ^2 /NDF:127173.0/22

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

All: 10116.443 $\pm$ 0.986 χ^2 /NDF: 565743.6/90

- sign 10101.369 $\pm$ 1.396 χ^2 /NDF: 253879.1/45

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: 1.803 ± 0.984 χ^2/NDF : 524.7/22

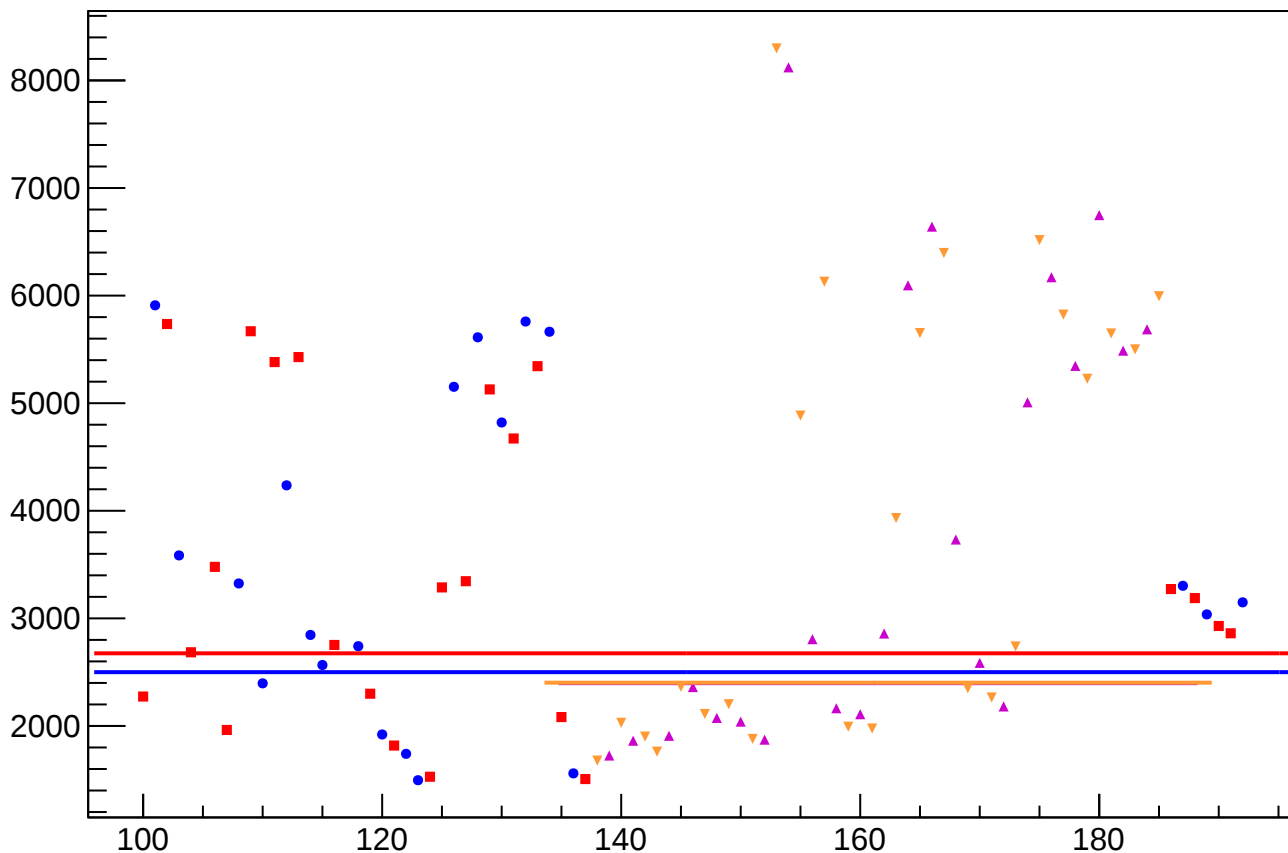
Left In: 11.766 ± 0.648 χ^2/NDF : 395.1/22

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

All: 8.037 ± 0.381 χ^2/NDF : 1994.7/90

- sign 8.749 ± 0.541 χ^2/NDF : 991.3/45

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: 2675.309+/-0.696 χ^2/NDF : 2453657.4/22

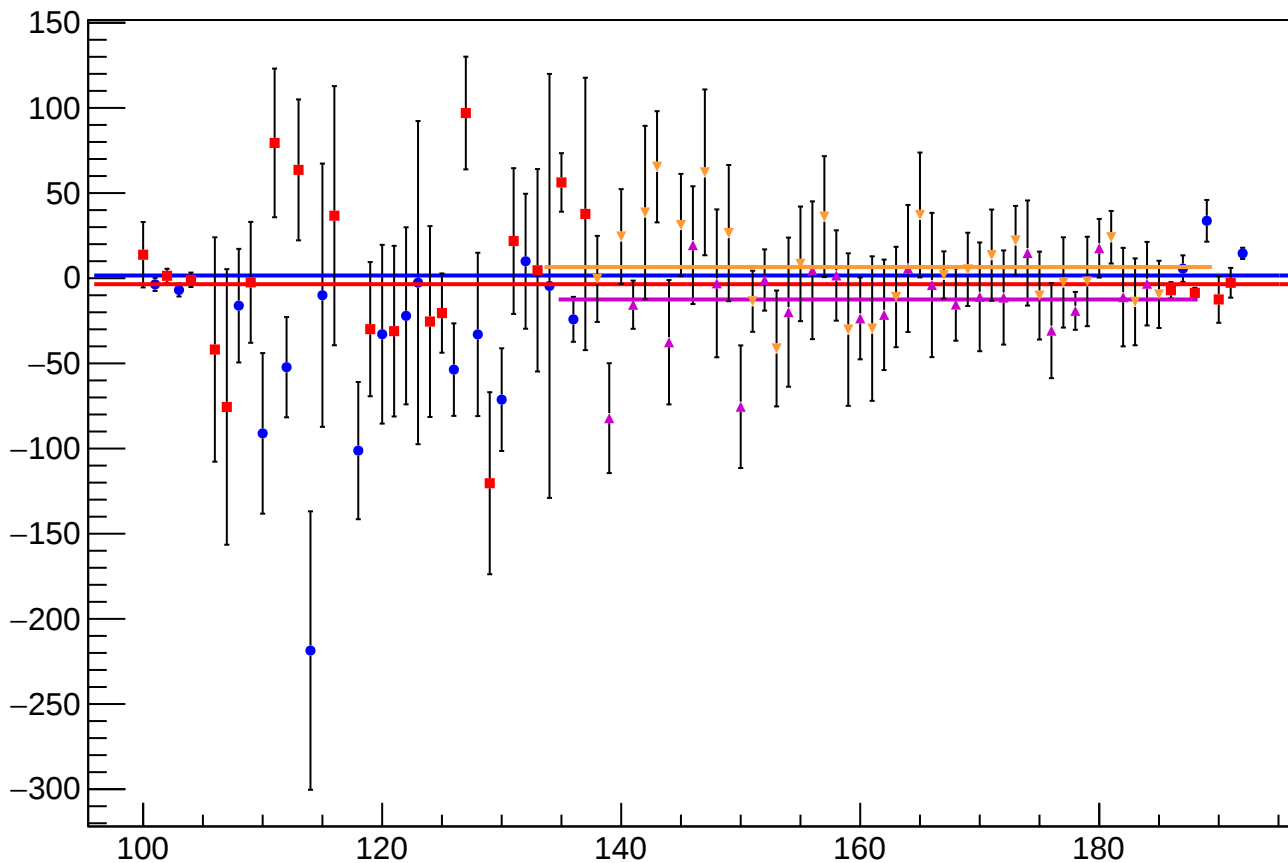
Left In: 2397.701+/-0.458 χ^2/NDF : 5398920.1/22

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

All: 2456.311+/-0.269 χ^2/NDF : 17067136.3/9

- sign 2481.769+/-0.383 χ^2/NDF : 7963615.2/45

diff_bpm0l03X_mean vs Slug



Right In: 1.605 ± 1.943 $\chi^2/\text{NDF}: 65.9/19$

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

Right Out: -3.502 ± 1.816 $\chi^2/\text{NDF}: 42.3/22$

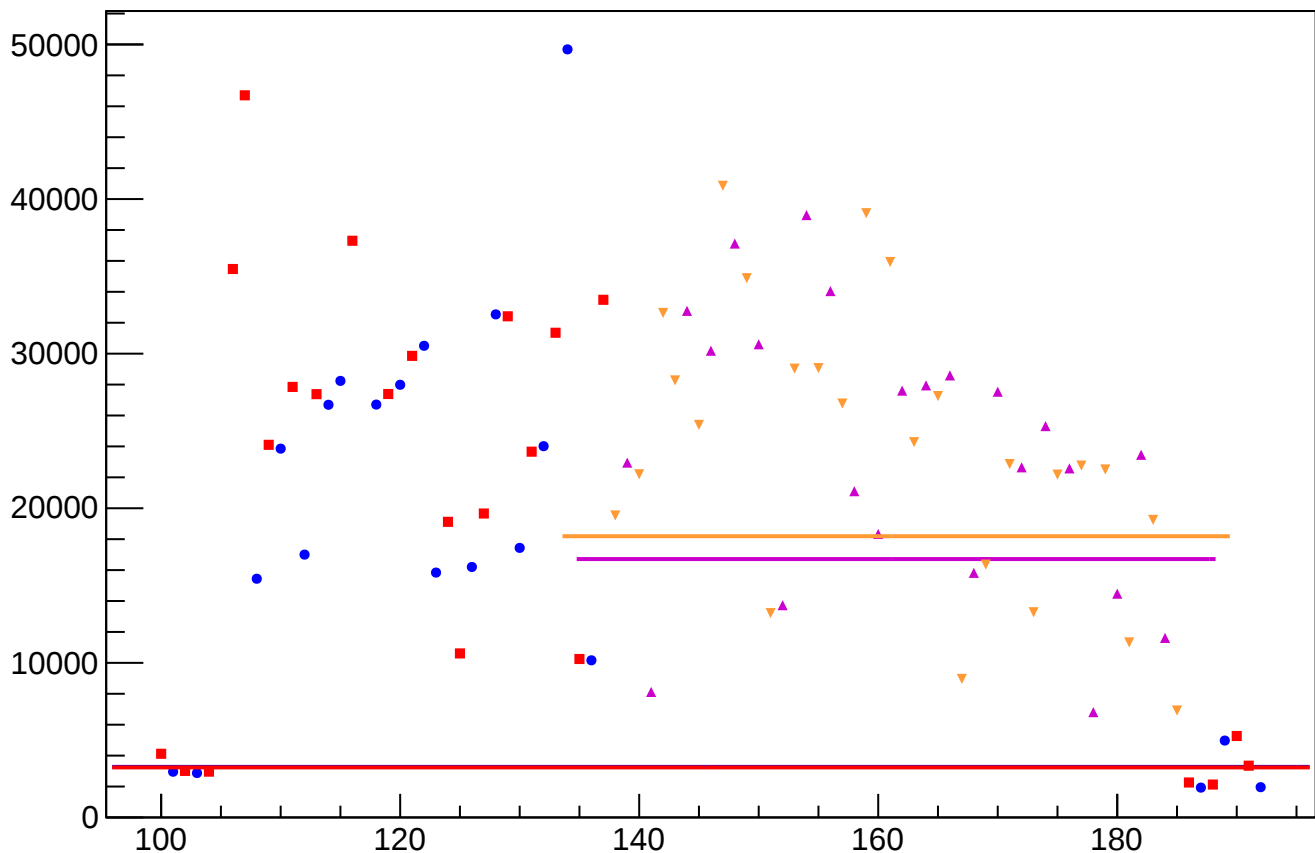
Left In: -12.469 ± 5.025 $\chi^2/\text{NDF}: 15.4/22$

+ sign 2.238 ± 1.814 $\chi^2/\text{NDF}: 83.4/44$

All: -1.355 ± 1.244 $\chi^2/\text{NDF}: 151.4/90$

- sign -4.537 ± 1.708 $\chi^2/\text{NDF}: 60.6/45$

diff_bpm0l03X_rms vs Slug



Right In: 3270.413+/-1.374 χ^2/NDF : 6625298.5/19

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

Right Out: 3237.156+/-1.284 χ^2/NDF : 8177181.5/22

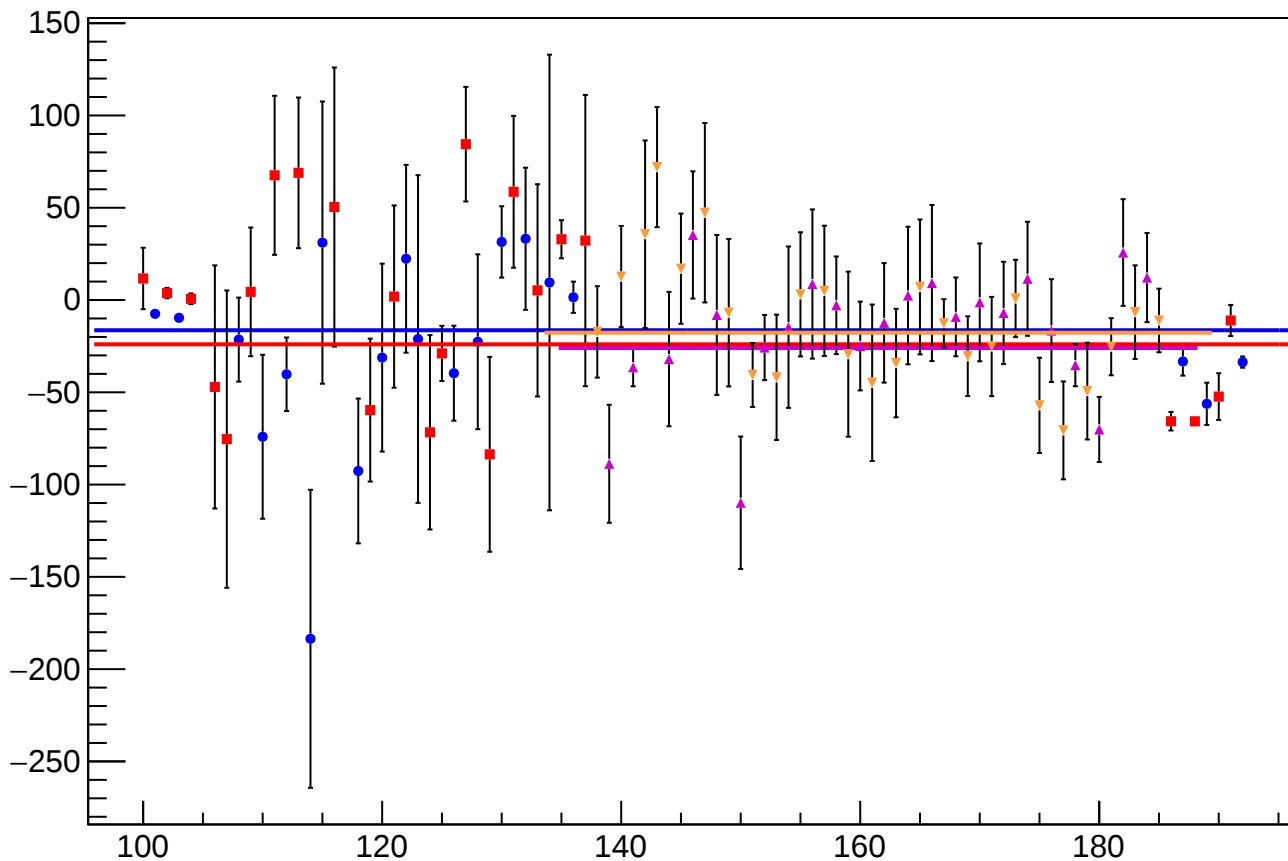
Left In: 16713.653+/-3.553 χ^2/NDF : 6194178.8/22

+ sign 5175.554+/-1.283 χ^2/NDF : 26950922.6/44

All: 4972.855+/-0.879 χ^2/NDF : 54091959.3/5

- sign 4793.300+/-1.207 χ^2/NDF : 27093962.2/45

diff_bpm0l03Y_mean vs Slug



Right In: -16.370 ± 1.490 $\chi^2/\text{NDF}: 92.9/19$

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

Right Out: -23.998 ± 1.462 $\chi^2/\text{NDF}: 552.8/22$

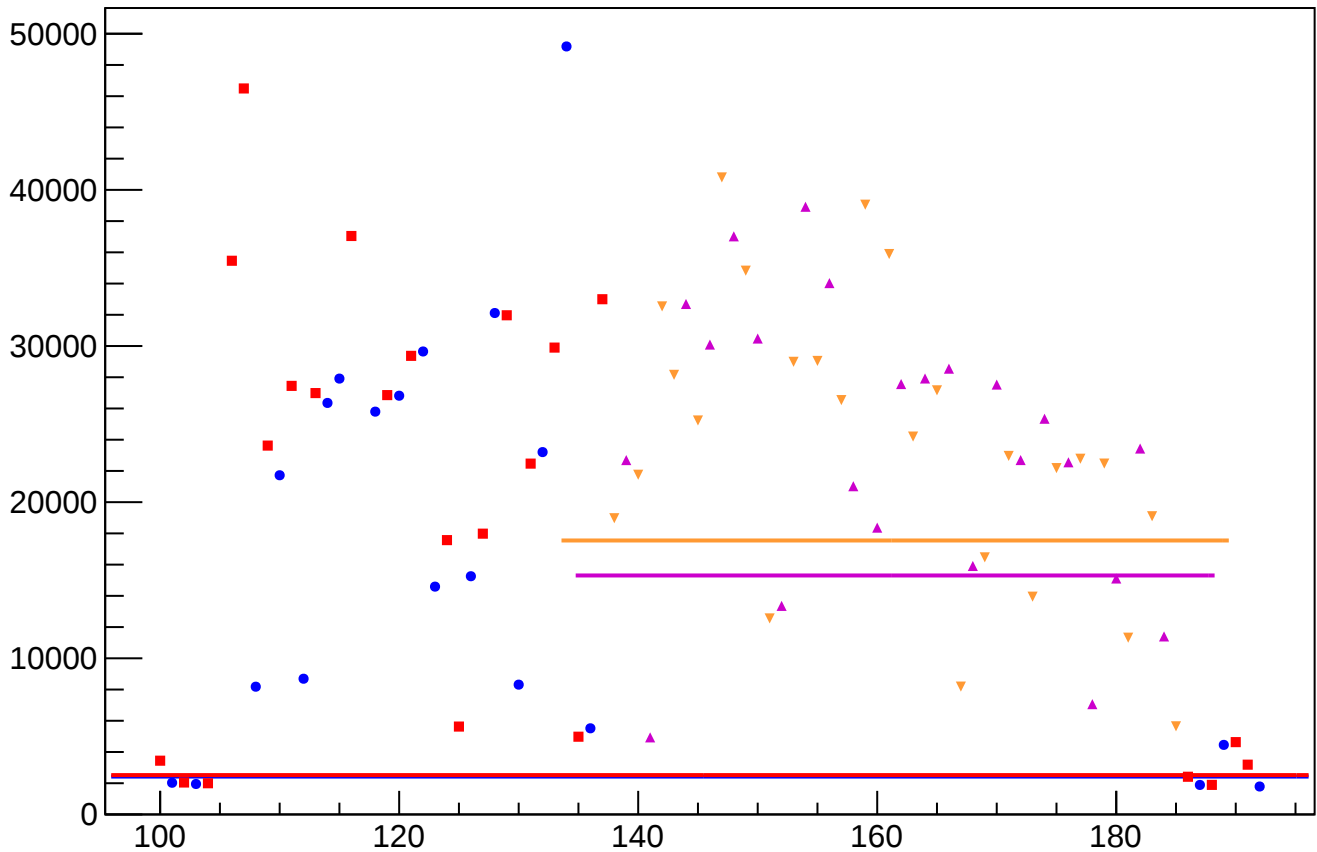
Left In: -25.991 ± 4.789 $\chi^2/\text{NDF}: 32.6/22$

+ sign -16.481 ± 1.428 $\chi^2/\text{NDF}: 120.2/44$

All: -20.404 ± 0.999 $\chi^2/\text{NDF}: 720.5/90$

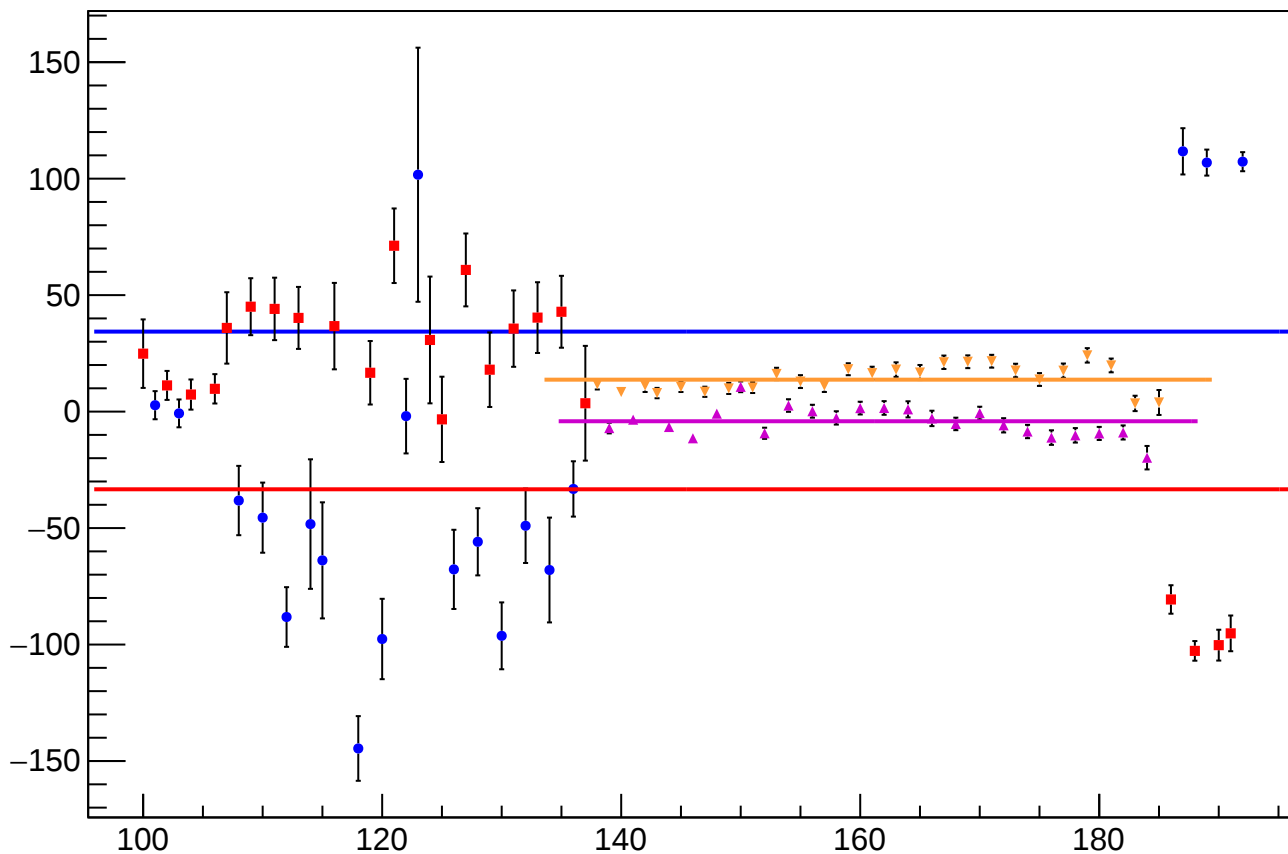
- sign -24.168 ± 1.398 $\chi^2/\text{NDF}: 585.6/45$

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: 3640.977+/-0.706	χ^2/NDF : 57399210.6/9
Right Out: 2520.608+/-1.034	χ^2/NDF : 8023608.0/22	- sign 3610.521+/-0.989	χ^2/NDF : 28783807.3/45
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: -33.350 ± 1.950 $\chi^2/\text{NDF}: 969.5/22$

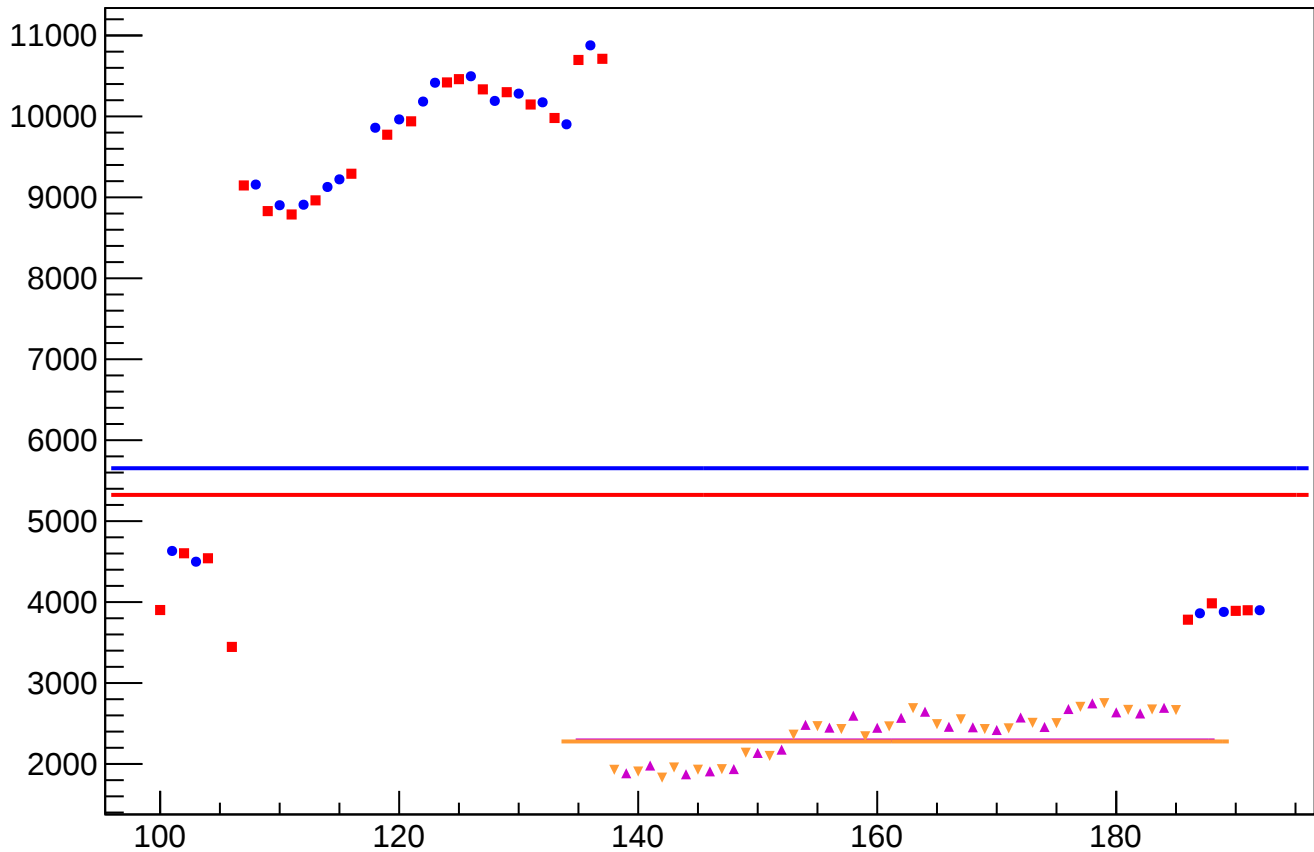
Left In: -4.141 ± 0.555 $\chi^2/\text{NDF}: 111.7/22$

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

All: 4.571 ± 0.372 $\chi^2/\text{NDF}: 3523.0/90$

- sign -6.328 ± 0.534 $\chi^2/\text{NDF}: 1288.7/45$

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: 5324.070 $\pm$ 1.379 χ^2 /NDF: 3112425.7/22

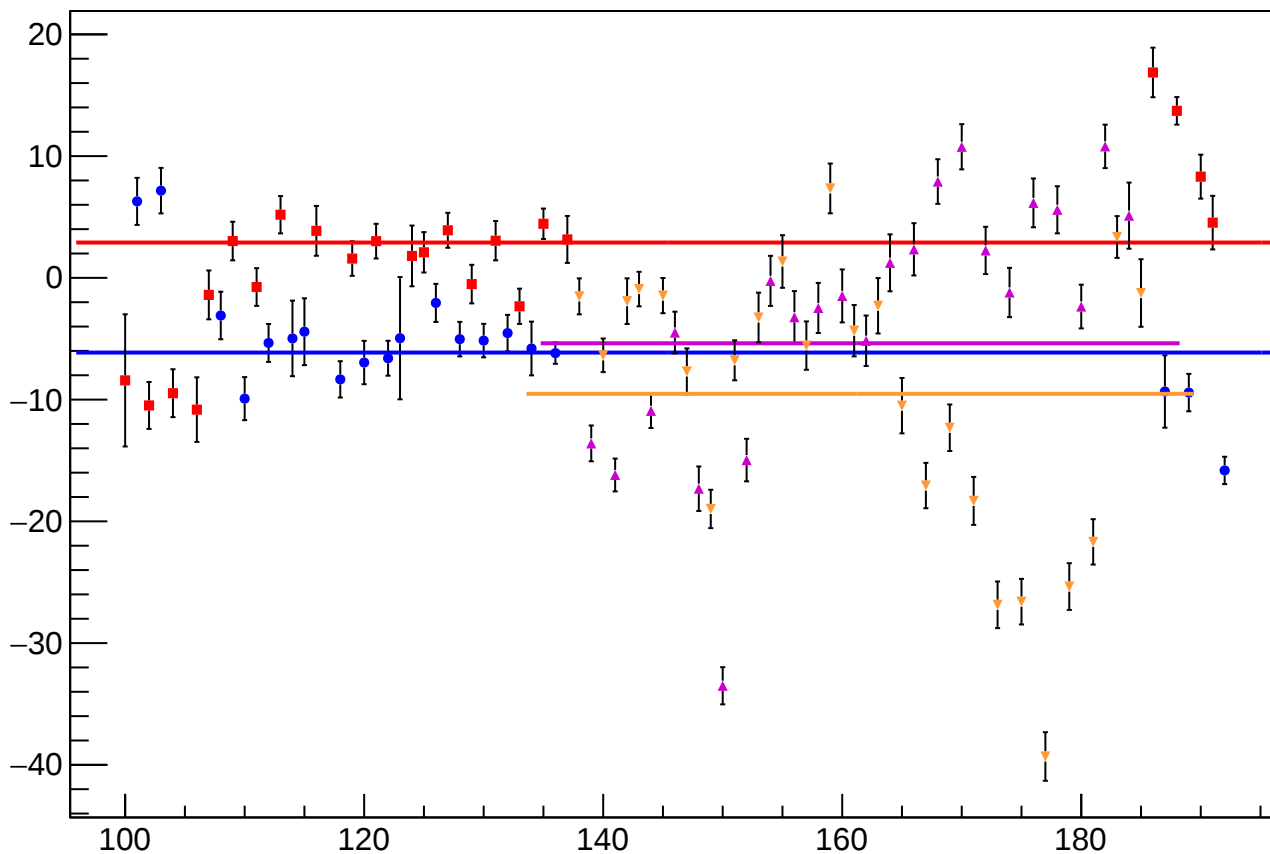
Left In: 2290.461 $\pm$ 0.392 χ^2 /NDF: 590272.1/22

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

All: 2494.806 $\pm$ 0.263 χ^2 /NDF: 16233862.5/9

- sign 2517.596 $\pm$ 0.377 χ^2 /NDF: 8179818.3/45

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: 2.902 ± 0.351 χ^2/NDF : 300.4/22

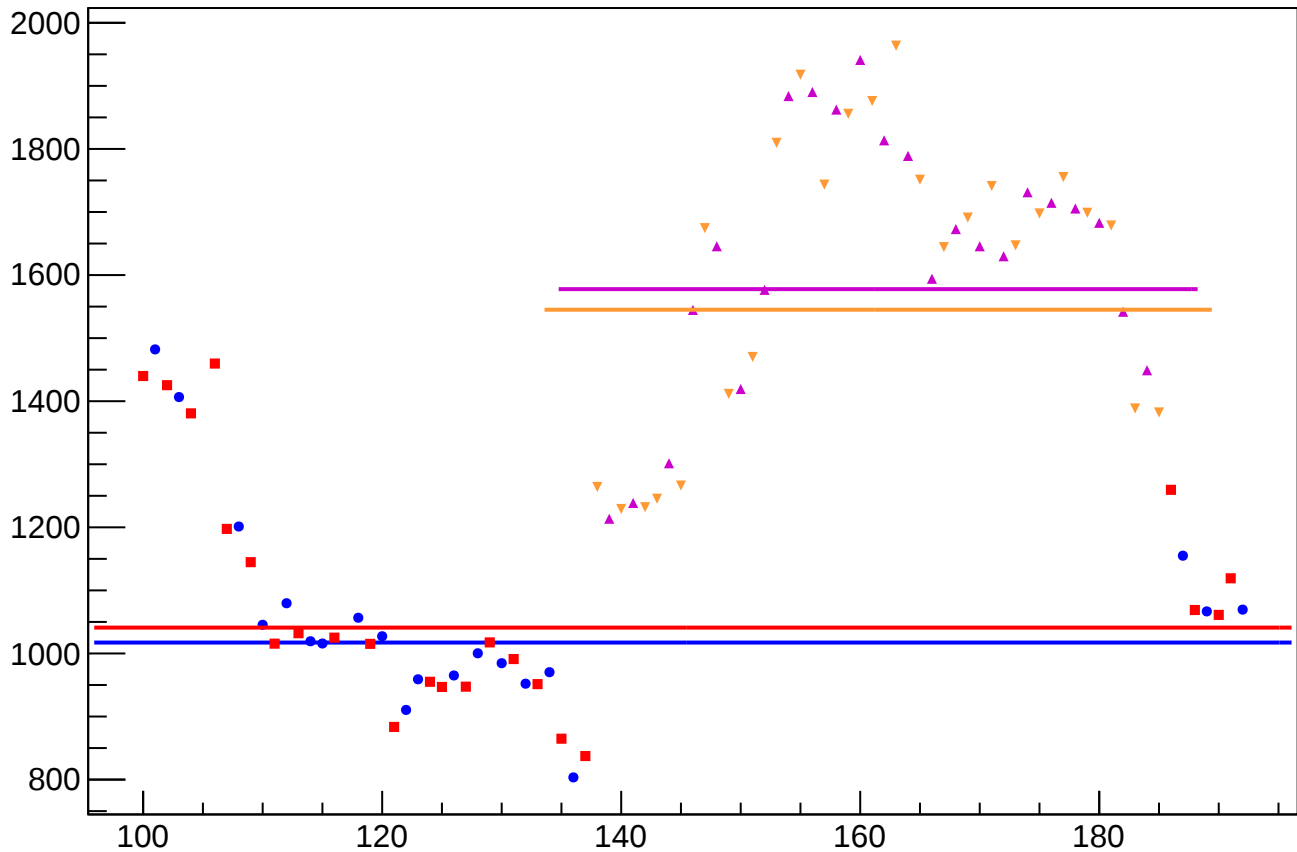
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

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

All: -4.376 ± 0.182 χ^2/NDF : 2906.7/90

- sign -0.872 ± 0.259 χ^2/NDF : 1424.2/45

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: 1041.001 $\pm$ 0.248 χ^2 /NDF: 362804.5/22

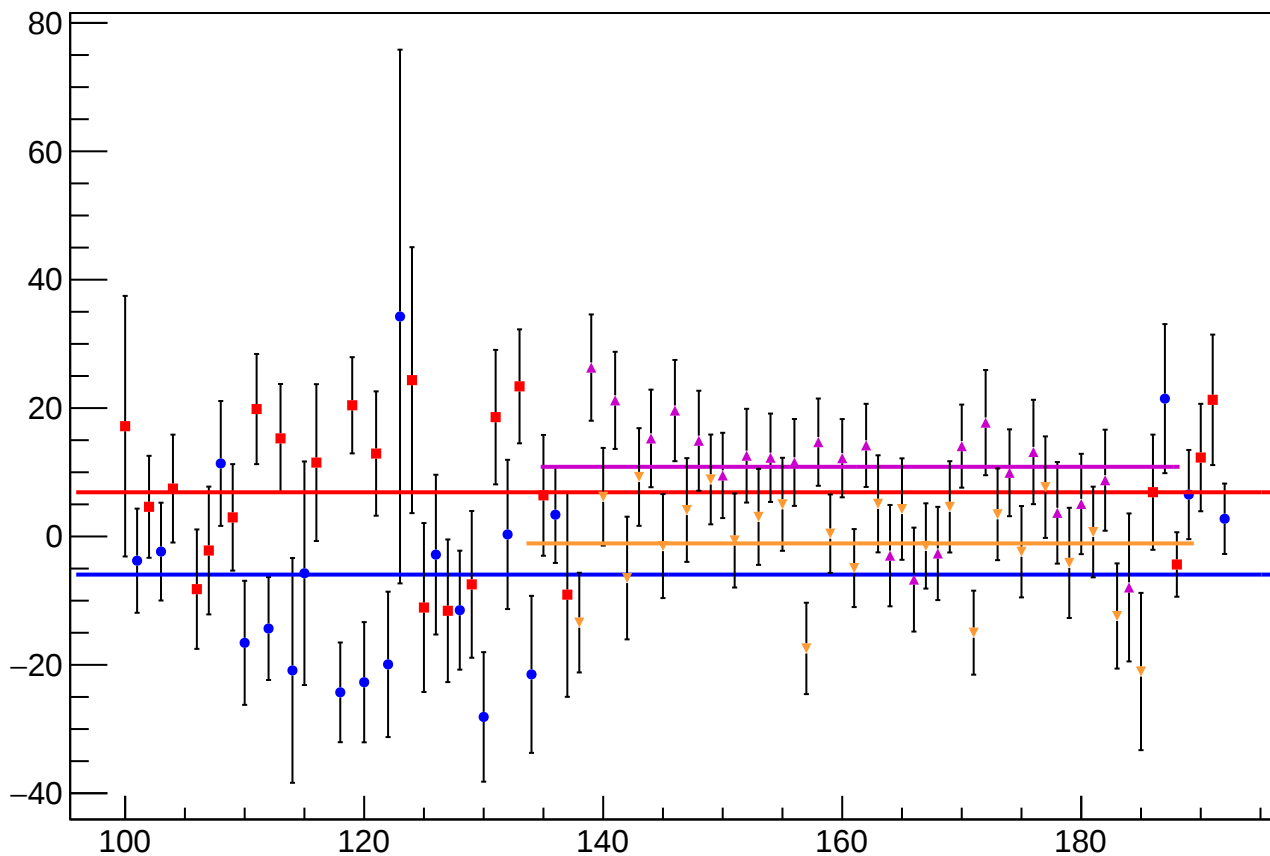
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

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

All: 1281.012 $\pm$ 0.129 χ^2 /NDF: 6475283.8/90

- sign 1285.754 $\pm$ 0.183 χ^2 /NDF: 3125453.7/45

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: 6.887 ± 1.931 χ^2/NDF : 31.2/22

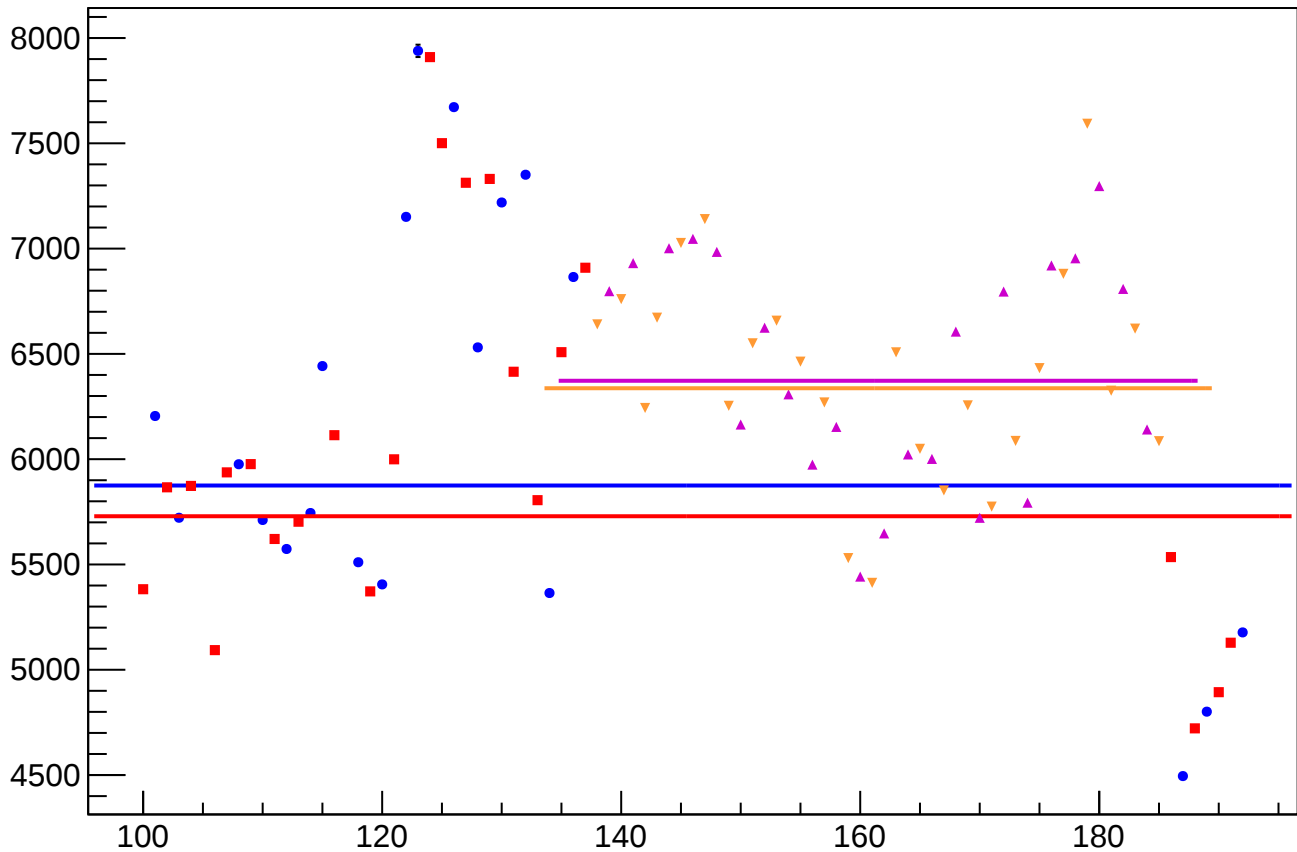
Left In: 10.851 ± 1.542 χ^2/NDF : 24.4/22

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

All: 3.301 ± 0.853 χ^2/NDF : 176.8/90

- sign 9.308 ± 1.205 χ^2/NDF : 58.1/45

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: 5729.032+/-1.365 χ^2/NDF : 302276.7/22

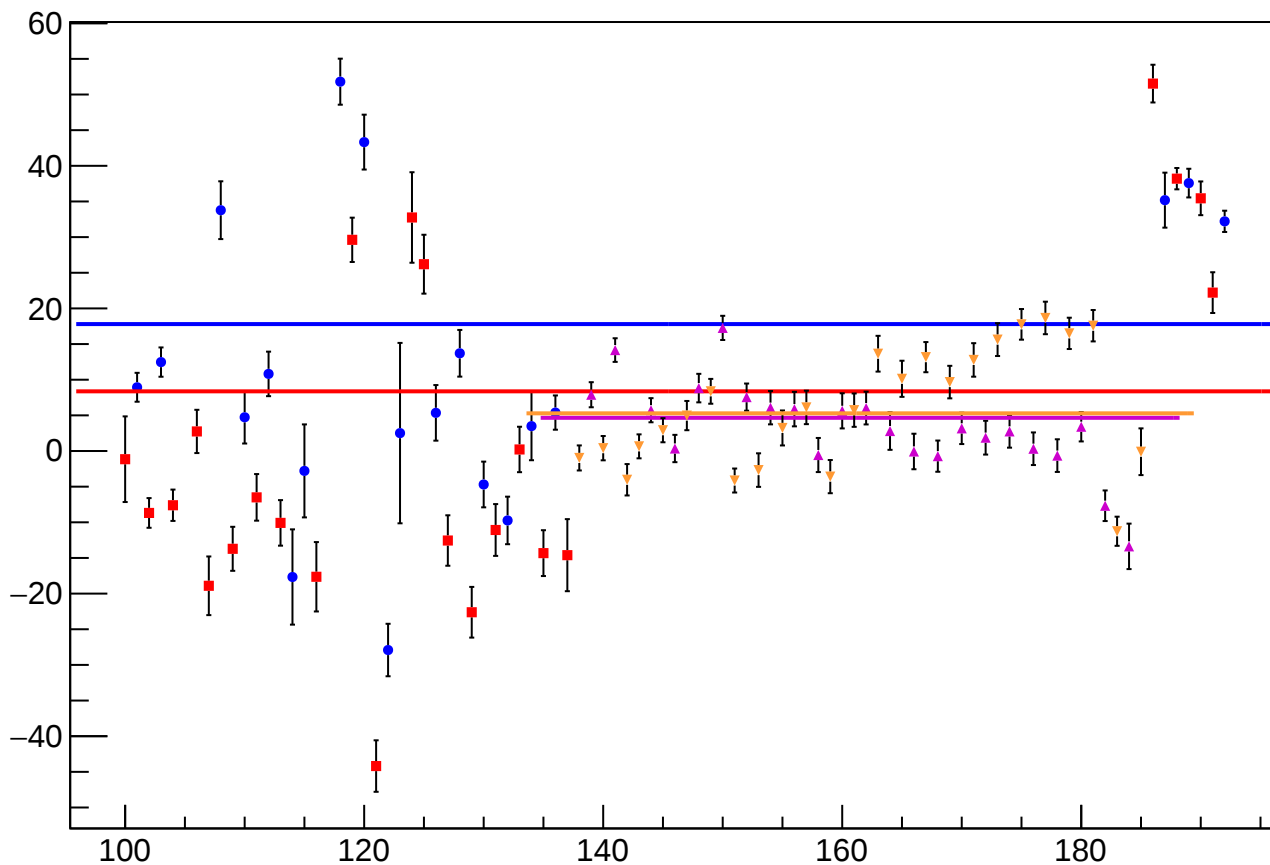
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

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

All: 6150.680+/-0.603 χ^2/NDF : 1291813.6/90

- sign 6121.868+/-0.852 χ^2/NDF : 685136.0/45

diff_bpm0l05Y_mean vs Slug



Right In: 17.802 $\pm$ 0.654 χ^2 /NDF: 783.1/19

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

Right Out: 8.369 $\pm$ 0.621 χ^2 /NDF: 1630.4/22

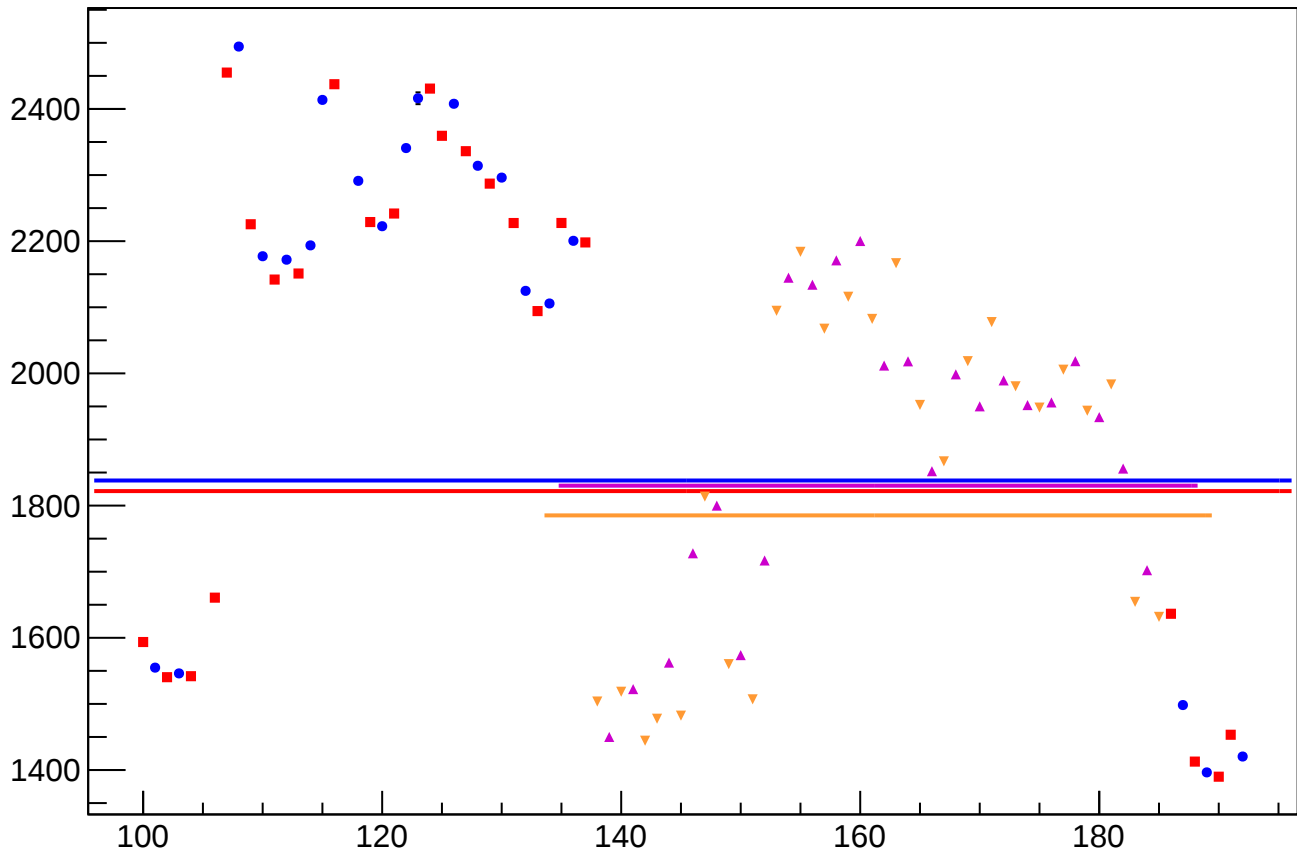
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF: 196.5/22

+ sign 8.944 $\pm$ 0.354 χ^2 /NDF: 1408.0/44

All: 7.457 $\pm$ 0.253 χ^2 /NDF: 3294.6/90

- sign 5.911 $\pm$ 0.361 χ^2 /NDF: 1850.6/45

diff_bpm0l05Y_rms vs Slug



Right In: 1837.960+/-0.463 χ^2/NDF : 755072.5/19

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

Right Out: 1821.929+/-0.439 χ^2/NDF : 763543.2/22

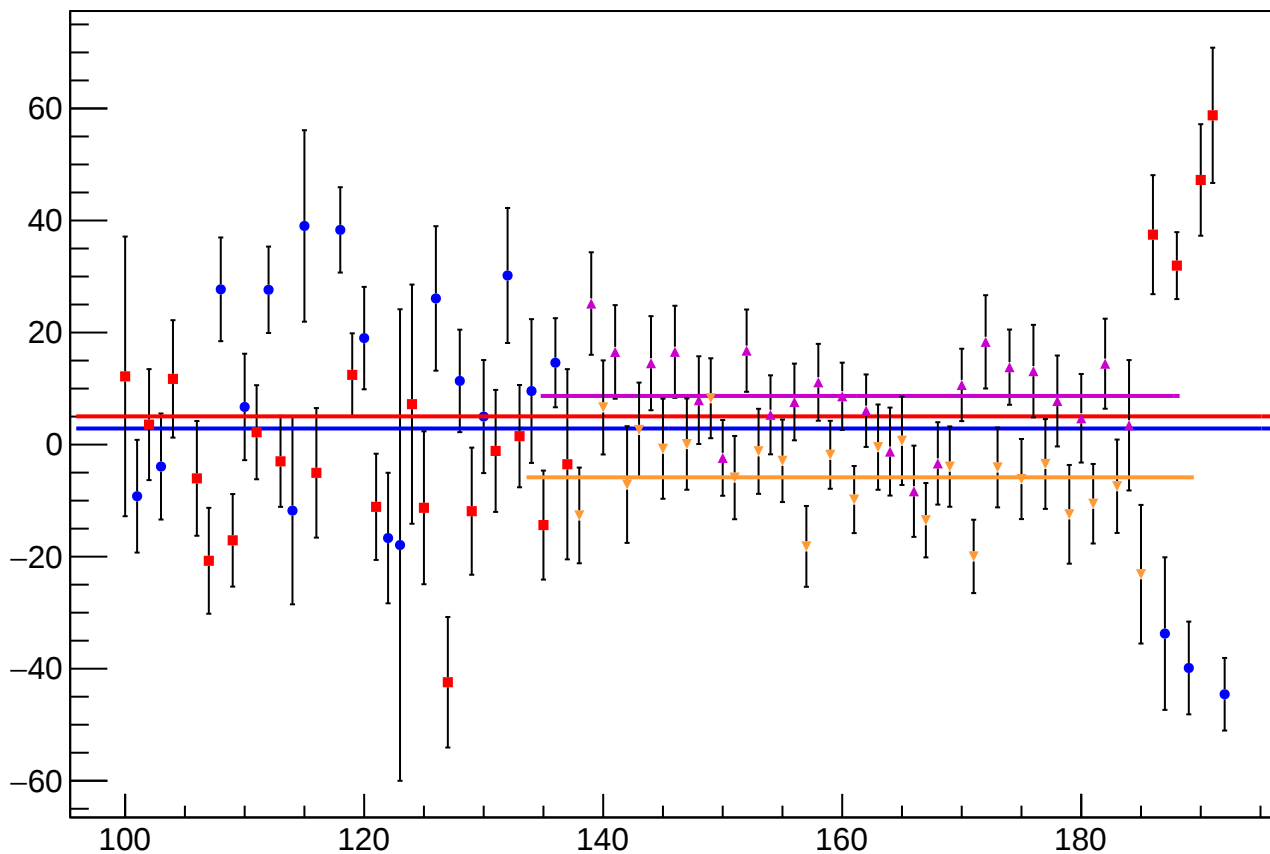
Left In: 1830.160+/-0.313 χ^2/NDF : 508391.9/22

+ sign 1800.610+/-0.250 χ^2/NDF : 1514904.6/44

All: 1813.737+/-0.179 χ^2/NDF : 2792684.6/90

- sign 1827.379+/-0.255 χ^2/NDF : 1272168.0/45

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: 5.040 ± 2.070 χ^2/NDF : 114.4/22

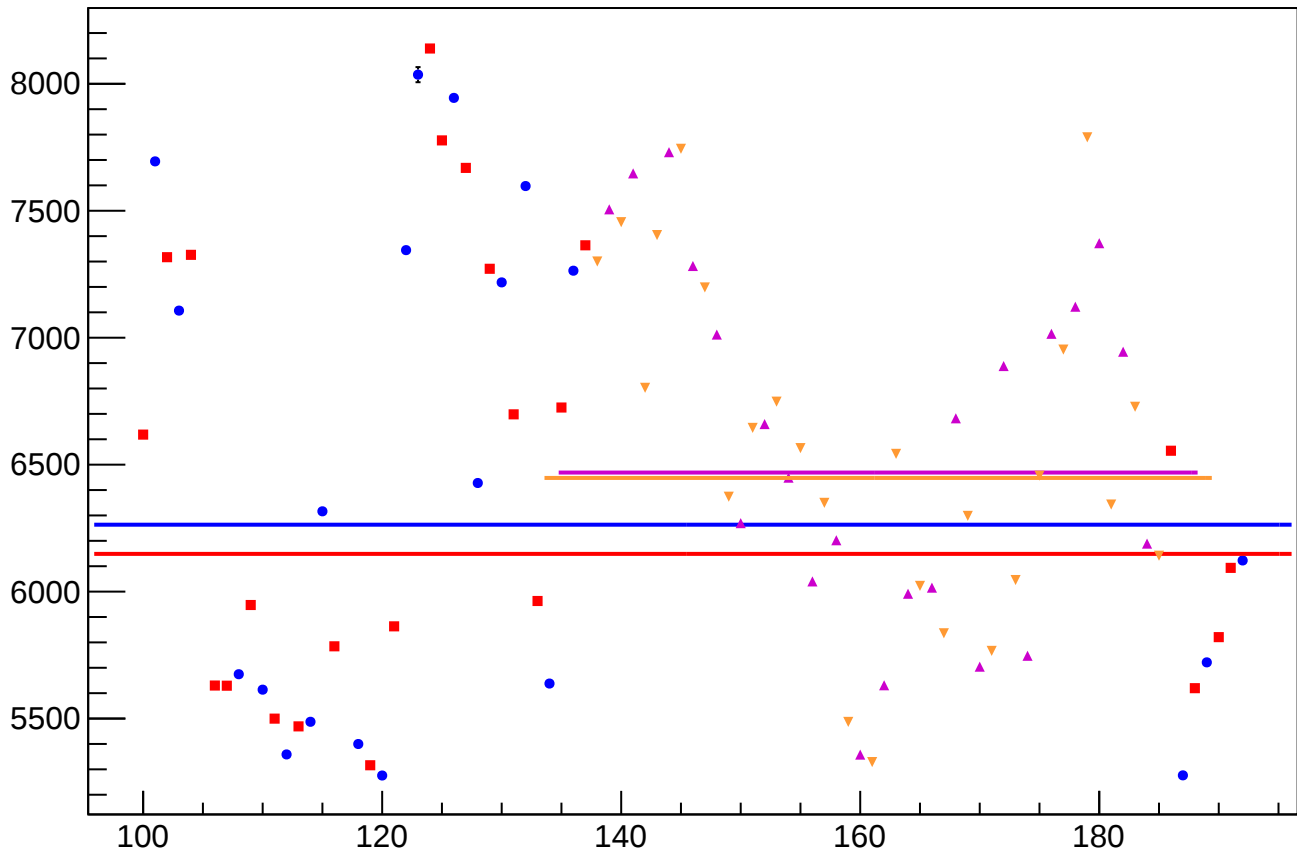
Left In: 8.683 ± 1.571 χ^2/NDF : 21.9/22

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

All: 2.154 ± 0.885 χ^2/NDF : 358.6/90

- sign 7.352 ± 1.251 χ^2/NDF : 138.3/45

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: 6148.588 $\pm$ 1.464 χ^2 /NDF: 264612.7/22

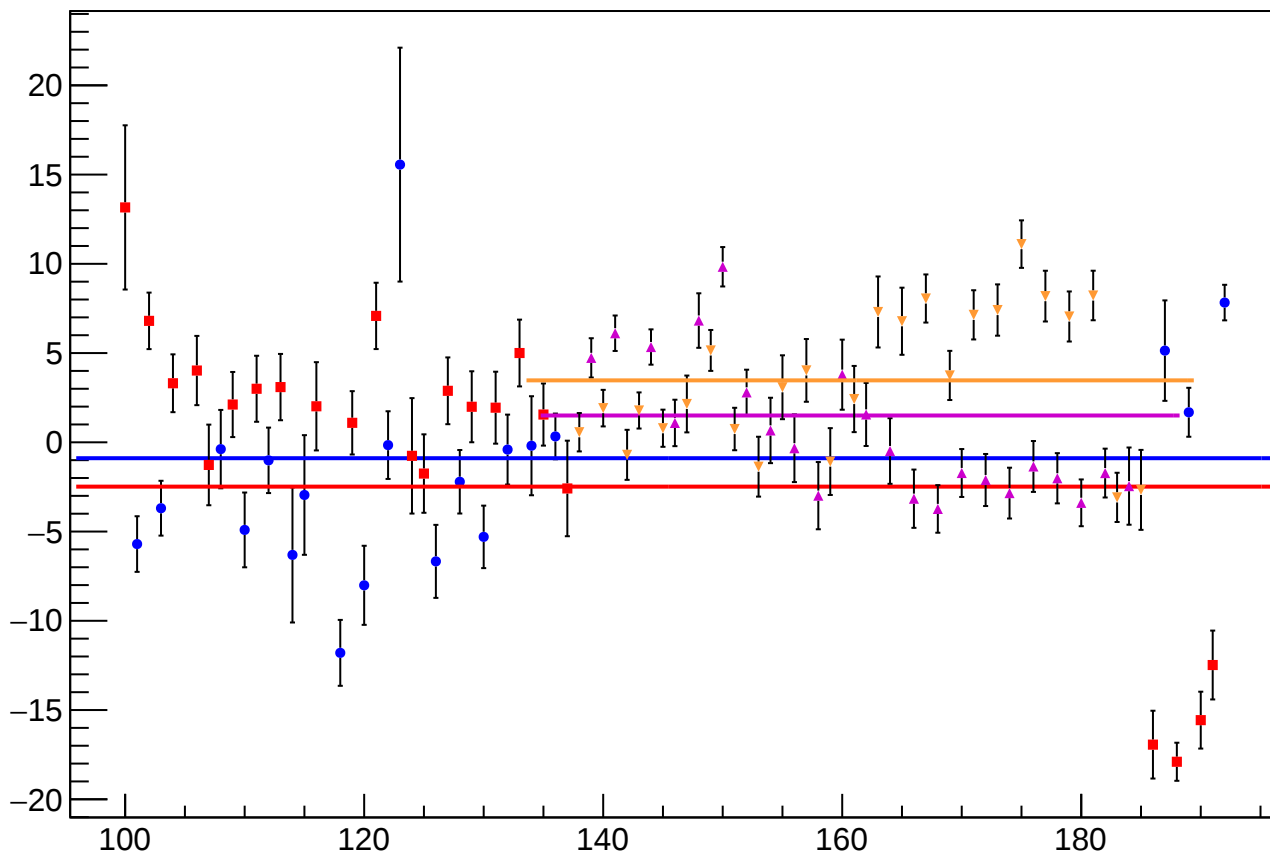
Left In: 6468.902 $\pm$ 1.111 χ^2 /NDF: 383325.4/22

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

All: 6370.224 $\pm$ 0.626 χ^2 /NDF: 1369321.7/90

- sign 6351.858 $\pm$ 0.885 χ^2 /NDF: 678335.4/45

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: -2.483 ± 0.389 χ^2/NDF : 529.2/22

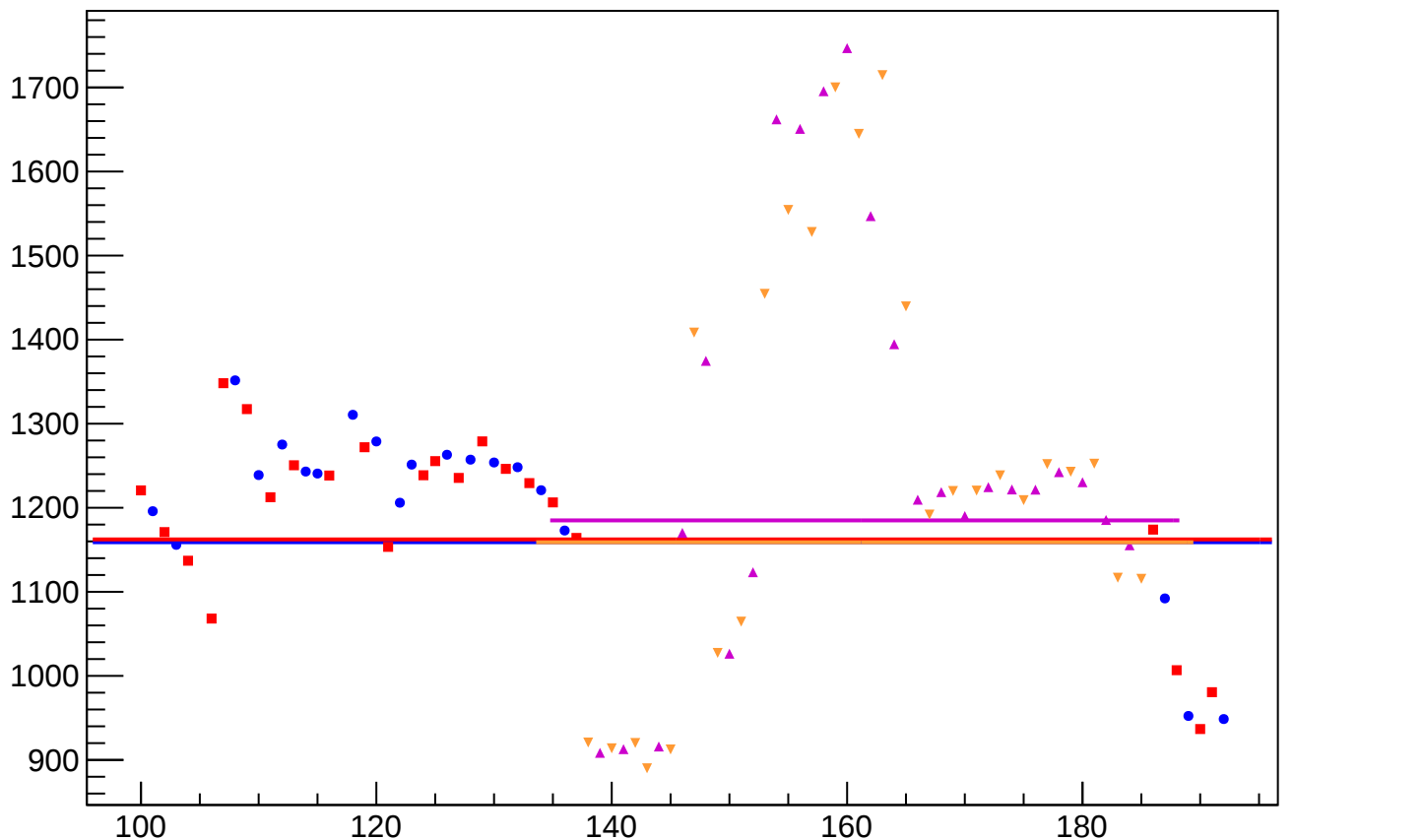
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

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

All: 1.101 ± 0.163 χ^2/NDF : 1263.5/90

- sign 0.075 ± 0.233 χ^2/NDF : 799.2/45

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: 1162.326 $\pm$ 0.275 χ^2 /NDF: 171528.2/22

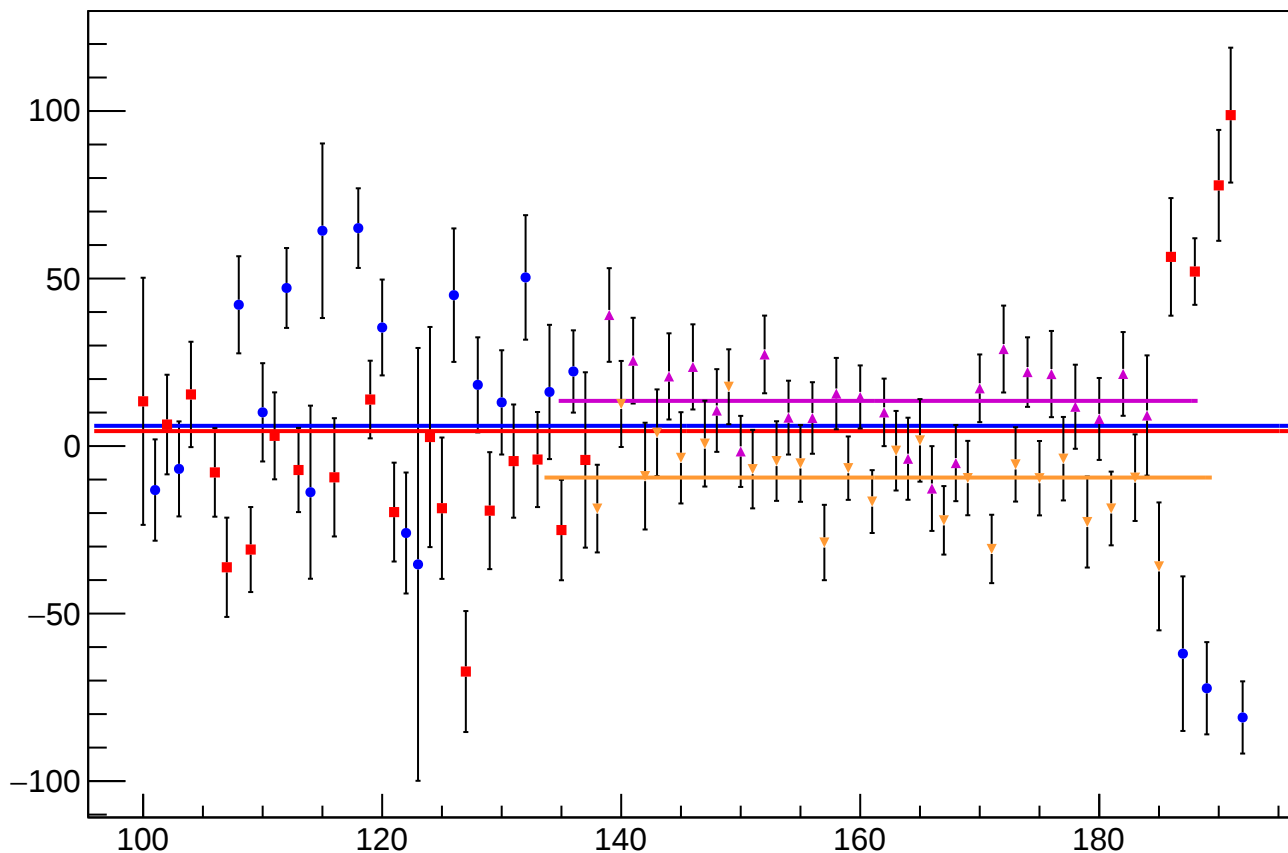
Left In: 1184.966 $\pm$ 0.206 χ^2 /NDF:1190431.5/22

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

All: 1167.726 $\pm$ 0.115 χ^2 /NDF: 2991595.0/90

- sign 1176.859 $\pm$ 0.165 χ^2 /NDF: 1366305.5/45

diff_bpm0l07X_mean vs Slug



Right In: 6.040 ± 3.462 $\chi^2/\text{NDF}: 177.4/19$

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

Right Out: 4.462 ± 3.215 $\chi^2/\text{NDF}: 118.4/22$

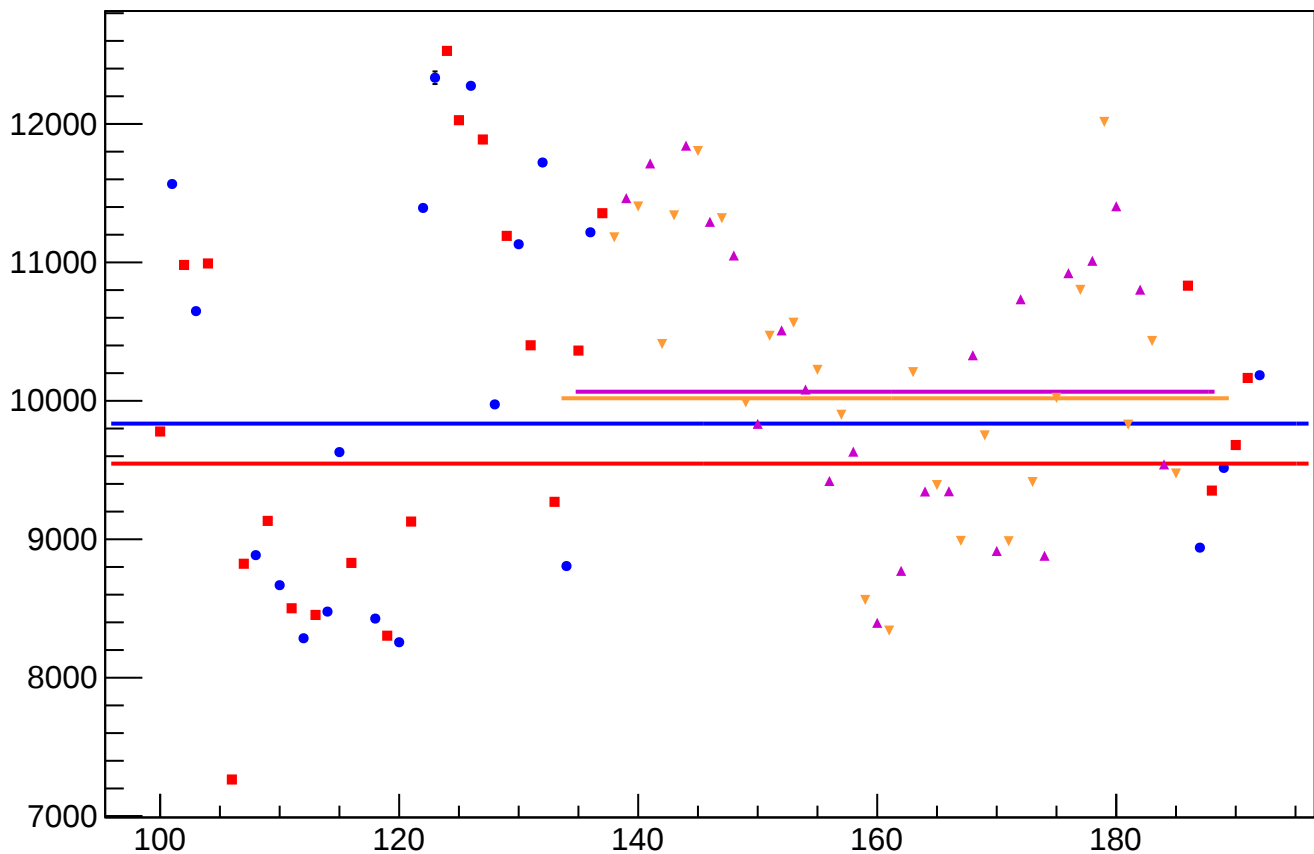
Left In: 13.485 ± 2.443 $\chi^2/\text{NDF}: 21.6/22$

+ sign -4.504 ± 1.949 $\chi^2/\text{NDF}: 217.2/44$

All: 2.855 ± 1.377 $\chi^2/\text{NDF}: 390.6/90$

- sign 10.183 ± 1.945 $\chi^2/\text{NDF}: 144.9/45$

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: 9546.575 $\pm$ 2.274 χ^2 /NDF: 288555.4/22

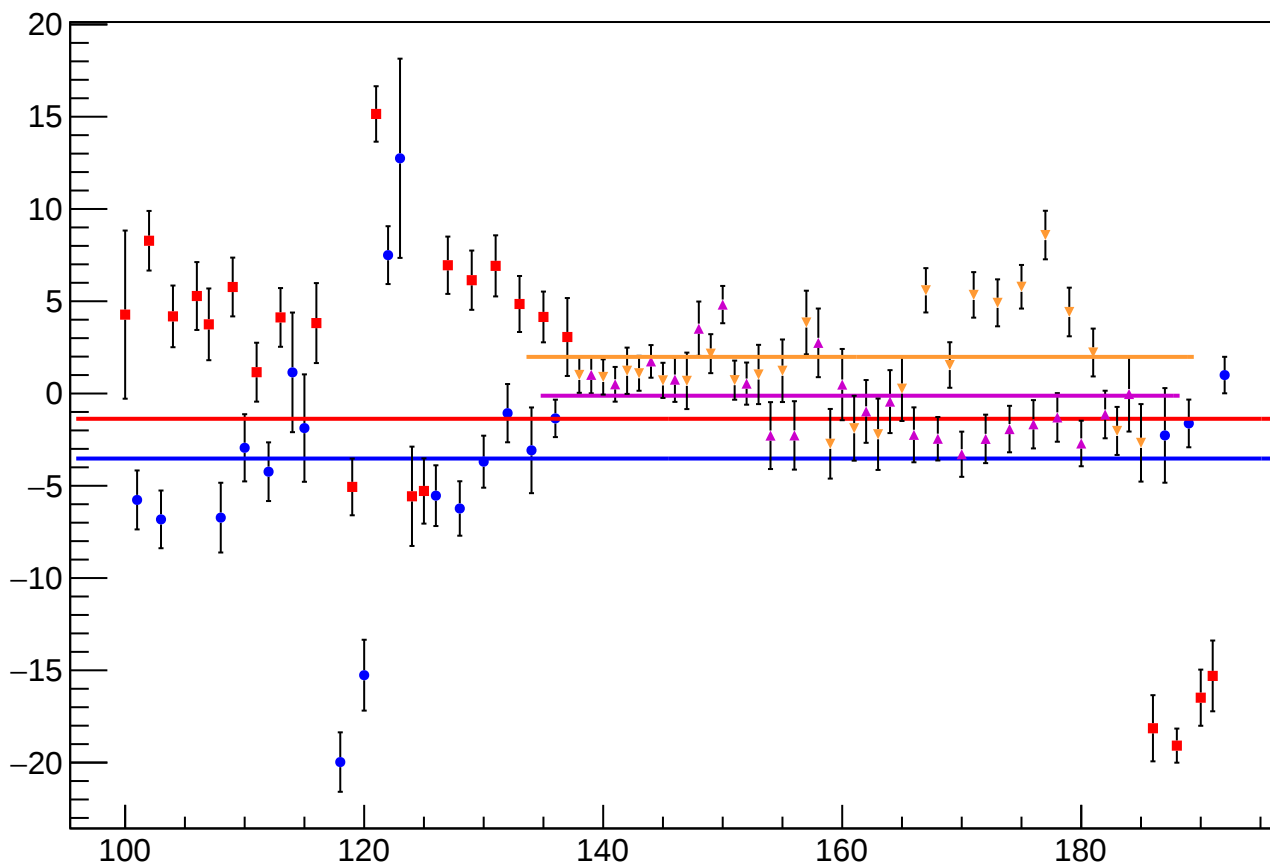
Left In: 10065.909 $\pm$ 1.727 χ^2 /NDF: 357868.9/22

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

All: 9918.119 $\pm$ 0.974 χ^2 /NDF: 1295061.3/90

- sign 9875.849 $\pm$ 1.375 χ^2 /NDF: 679505.7/45

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: -1.370 ± 0.341 $\chi^2/\text{NDF}: 961.8/22$

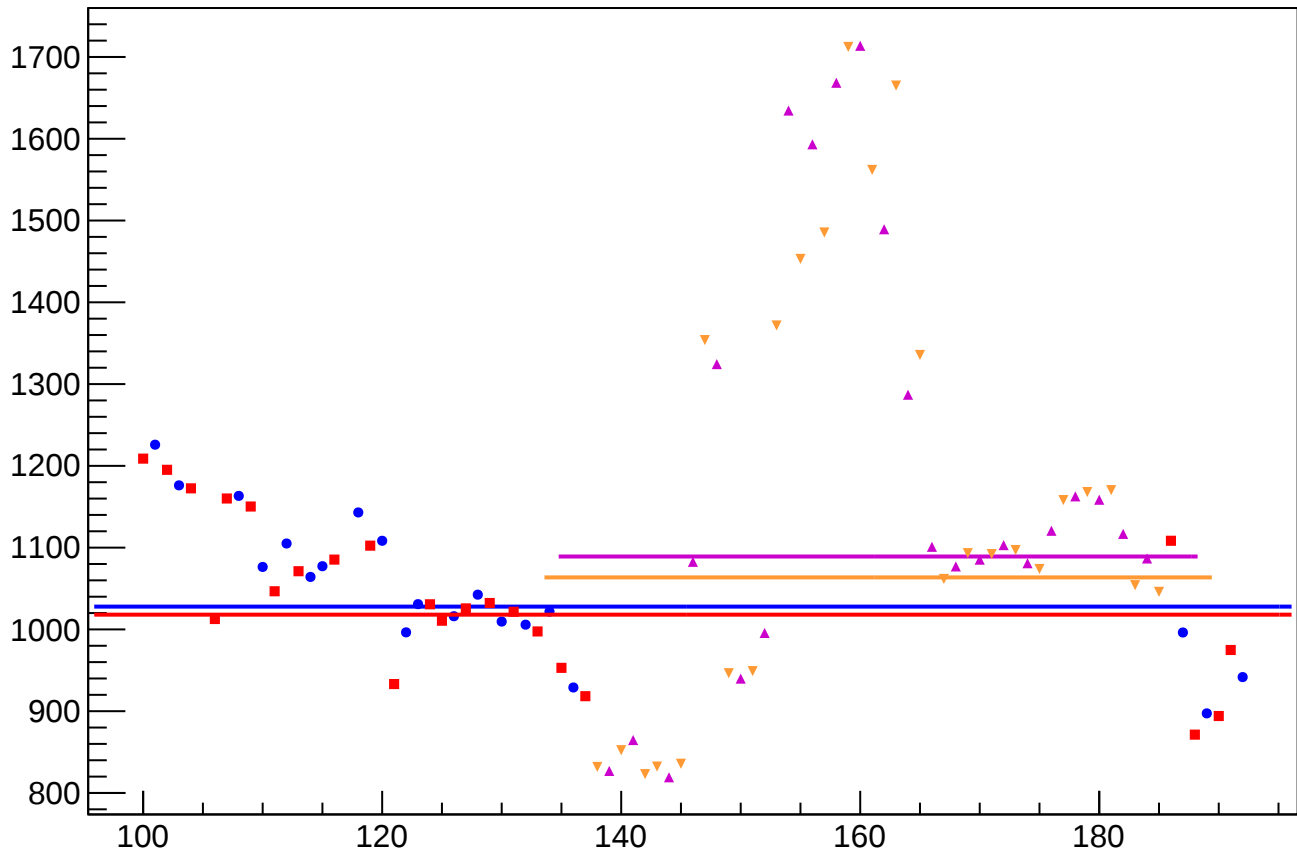
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

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

All: -0.224 ± 0.148 $\chi^2/\text{NDF}: 1549.0/90$

- sign -0.599 ± 0.211 $\chi^2/\text{NDF}: 1037.6/45$

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: 1018.032 $\pm$ 0.241 χ^2 /NDF: 165722.7/22

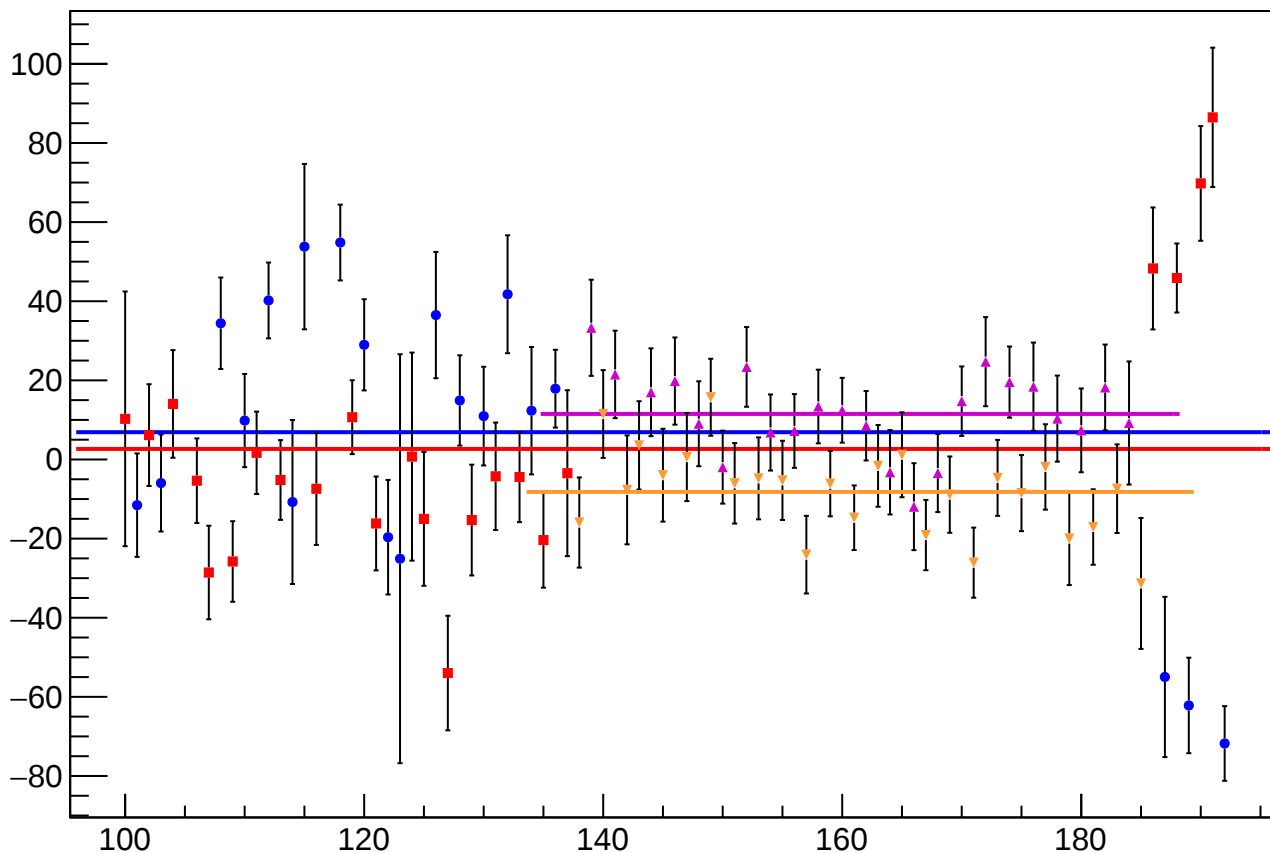
Left In: 1089.154 $\pm$ 0.190 χ^2 /NDF: 1430478.5/22

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

All: 1056.688 $\pm$ 0.105 χ^2 /NDF: 3419305.6/90

- sign 1061.894 $\pm$ 0.149 χ^2 /NDF: 1649909.7/45

diff_bpm0l08X_mean vs Slug



Right In: 6.897 ± 2.845 $\chi^2/\text{NDF}: 181.6/19$

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

Right Out: 2.668 ± 2.644 $\chi^2/\text{NDF}: 120.4/22$

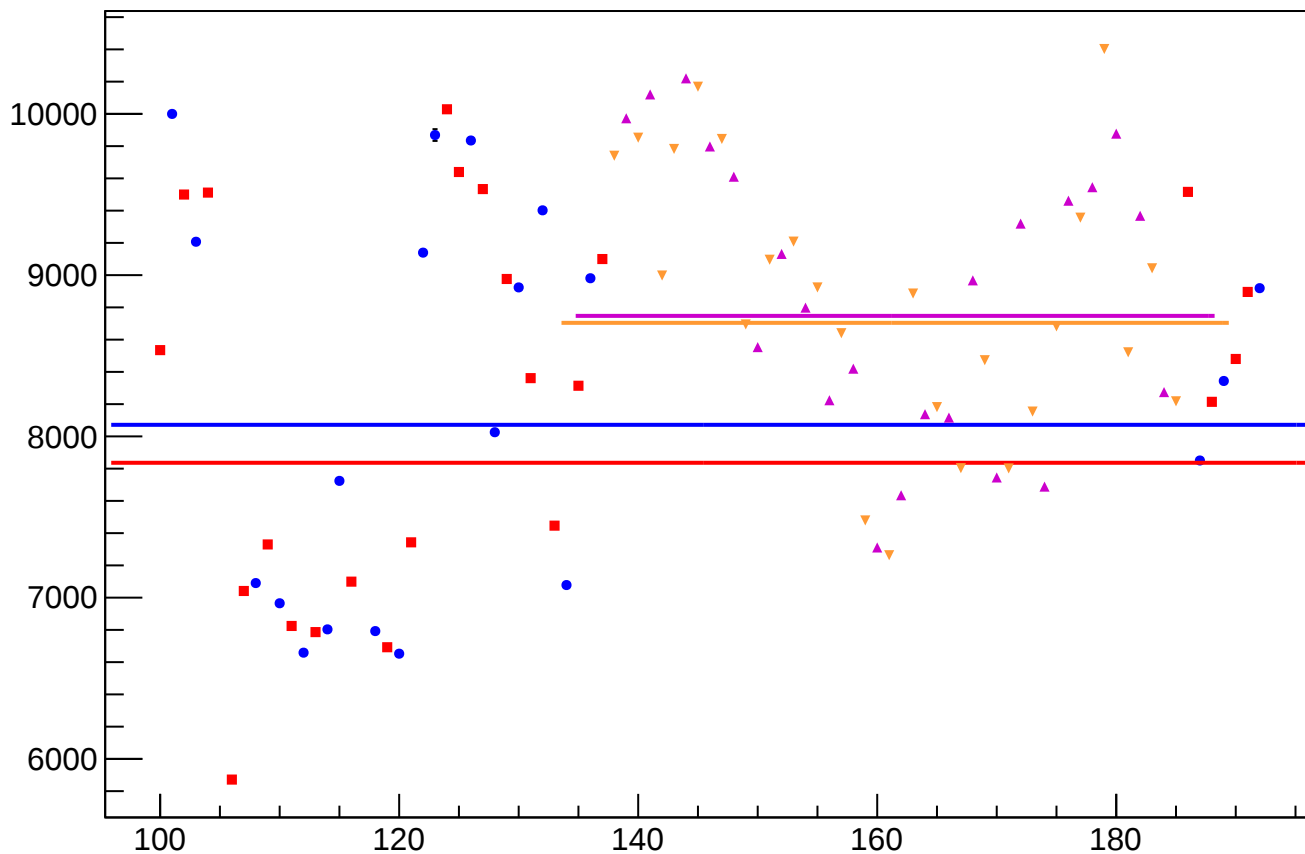
Left In: 11.515 ± 2.122 $\chi^2/\text{NDF}: 21.0/22$

+ sign -3.042 ± 1.663 $\chi^2/\text{NDF}: 226.3/44$

All: 2.528 ± 1.173 $\chi^2/\text{NDF}: 396.8/90$

- sign 8.049 ± 1.655 $\chi^2/\text{NDF}: 148.2/45$

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: 7836.379 $\pm$ 1.870 χ^2 /NDF: 357542.0/22

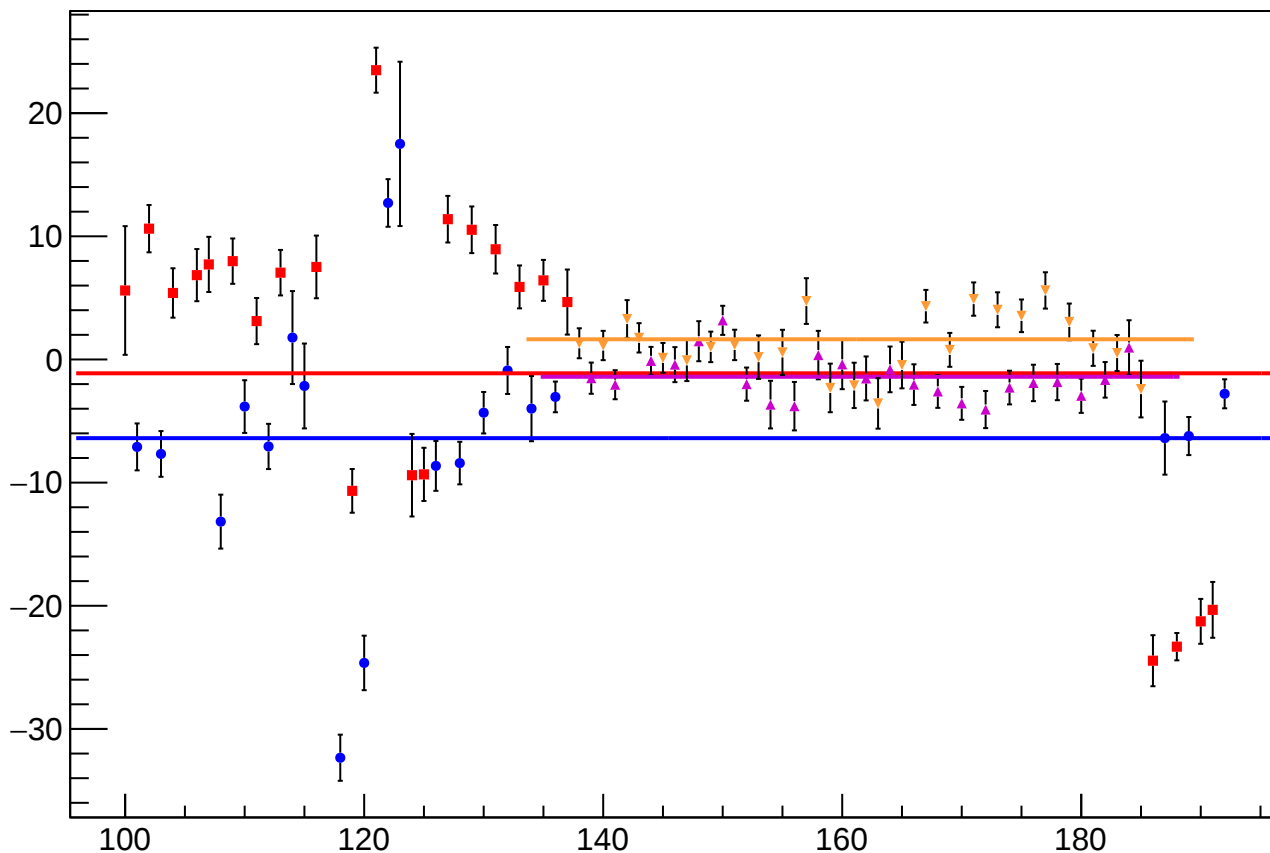
Left In: 8747.415 $\pm$ 1.501 χ^2 /NDF:347110.4/22

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

All: 8439.144 $\pm$ 0.829 χ^2 /NDF: 1565292.1/90

- sign 8390.470 $\pm$ 1.170 χ^2 /NDF: 849041.0/45

diff_bpm0l08Y_mean vs Slug



Right In: -6.389 ± 0.428 χ^2/NDF : 418.3/19

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

Right Out: -1.124 ± 0.404 χ^2/NDF : 1241.3/22

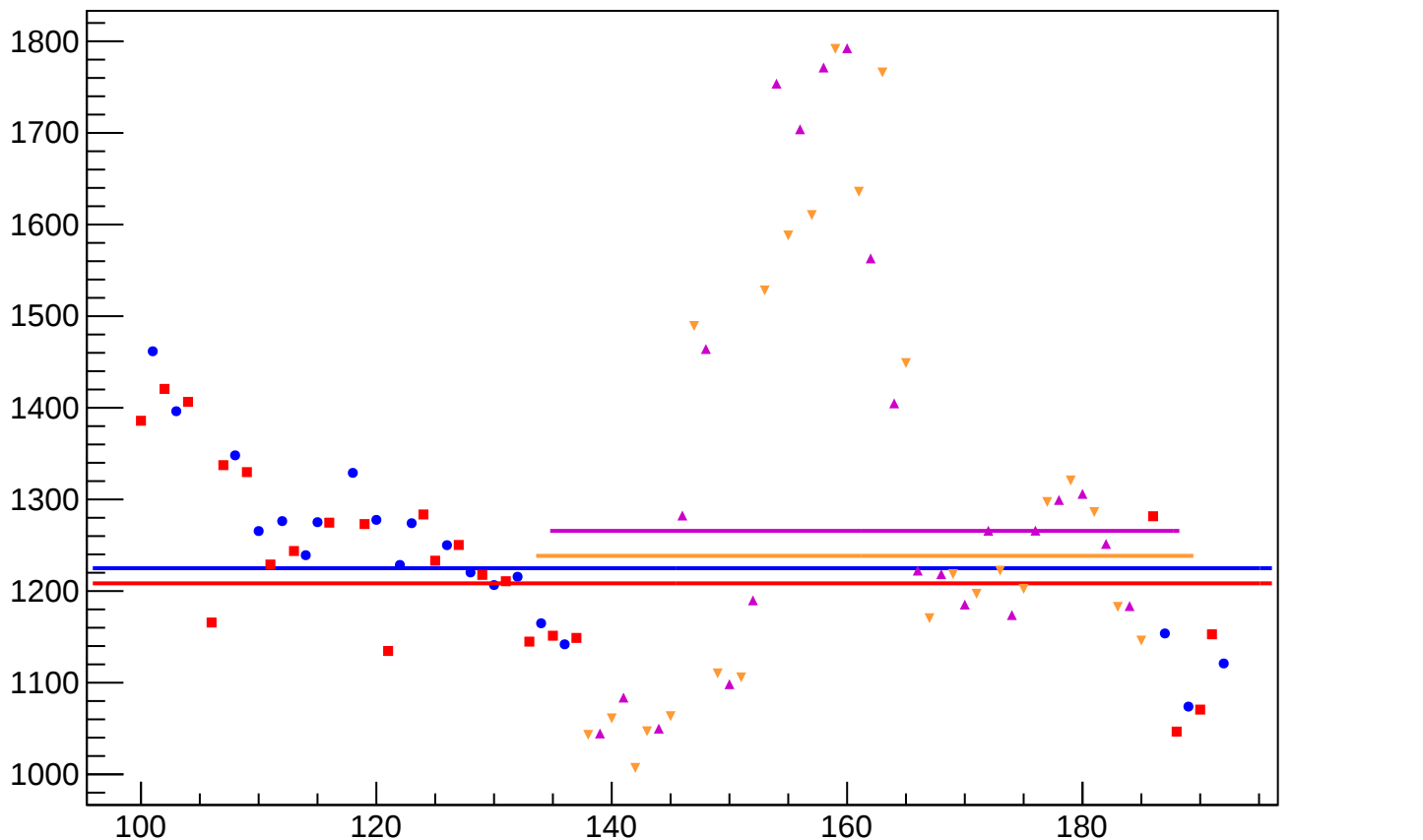
Left In: -1.404 ± 0.309 χ^2/NDF : 34.1/22

+ sign -0.933 ± 0.242 χ^2/NDF : 709.2/44

All: -1.114 ± 0.172 χ^2/NDF : 1986.1/90

- sign -1.301 ± 0.245 χ^2/NDF : 1275.8/45

diff_bpm0l08Y_rms vs Slug



Right In: 1224.933 $\pm$ 0.302 χ^2 /NDF: 110746.5/19

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

Right Out: 1208.443 $\pm$ 0.286 χ^2 /NDF: 136651.4/22

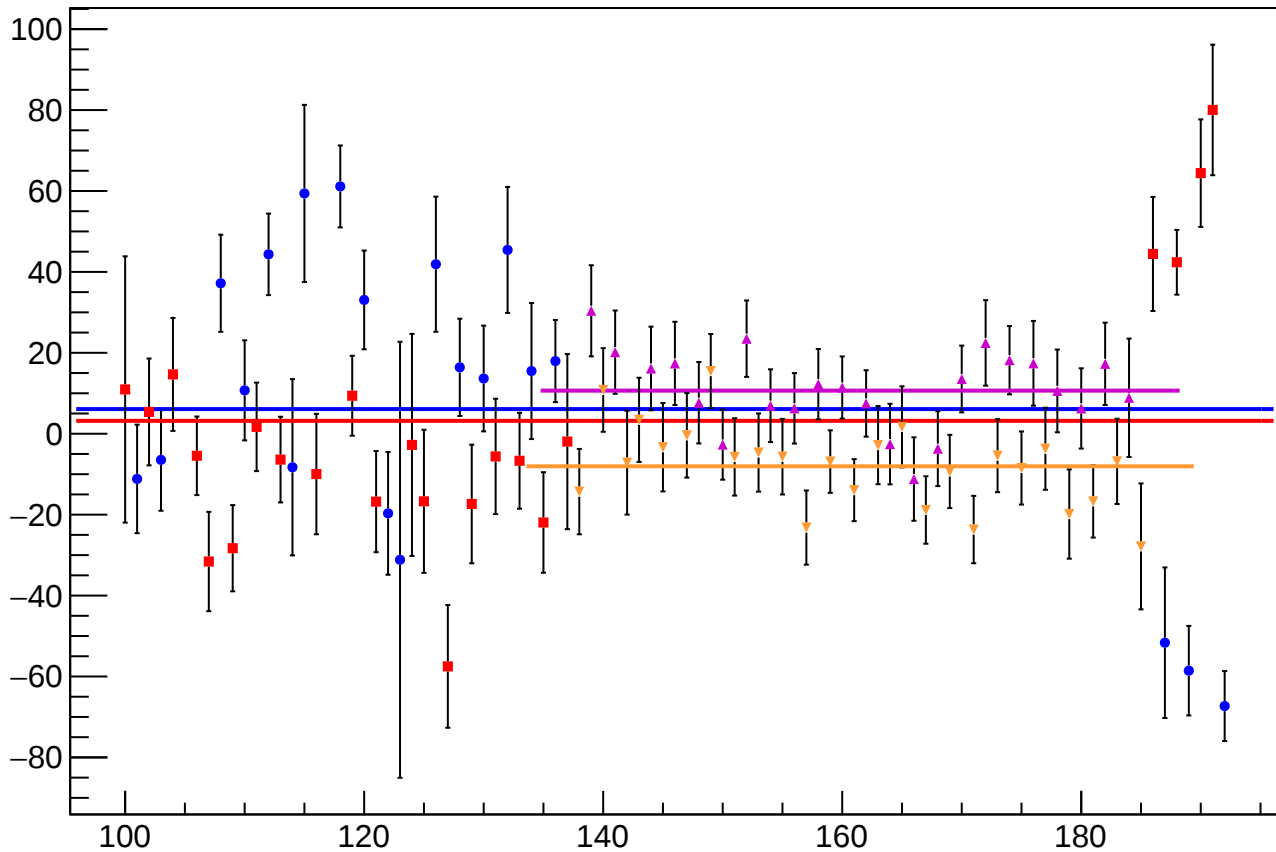
Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

+ sign 1234.111 $\pm$ 0.171 χ^2 /NDF: 1077274.9/44

All: 1239.267 $\pm$ 0.122 χ^2 /NDF: 2086223.8/90

- sign 1244.572 $\pm$ 0.174 χ^2 /NDF: 1007107.4/45

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: 3.188 ± 2.667 χ^2/NDF : 123.8/22

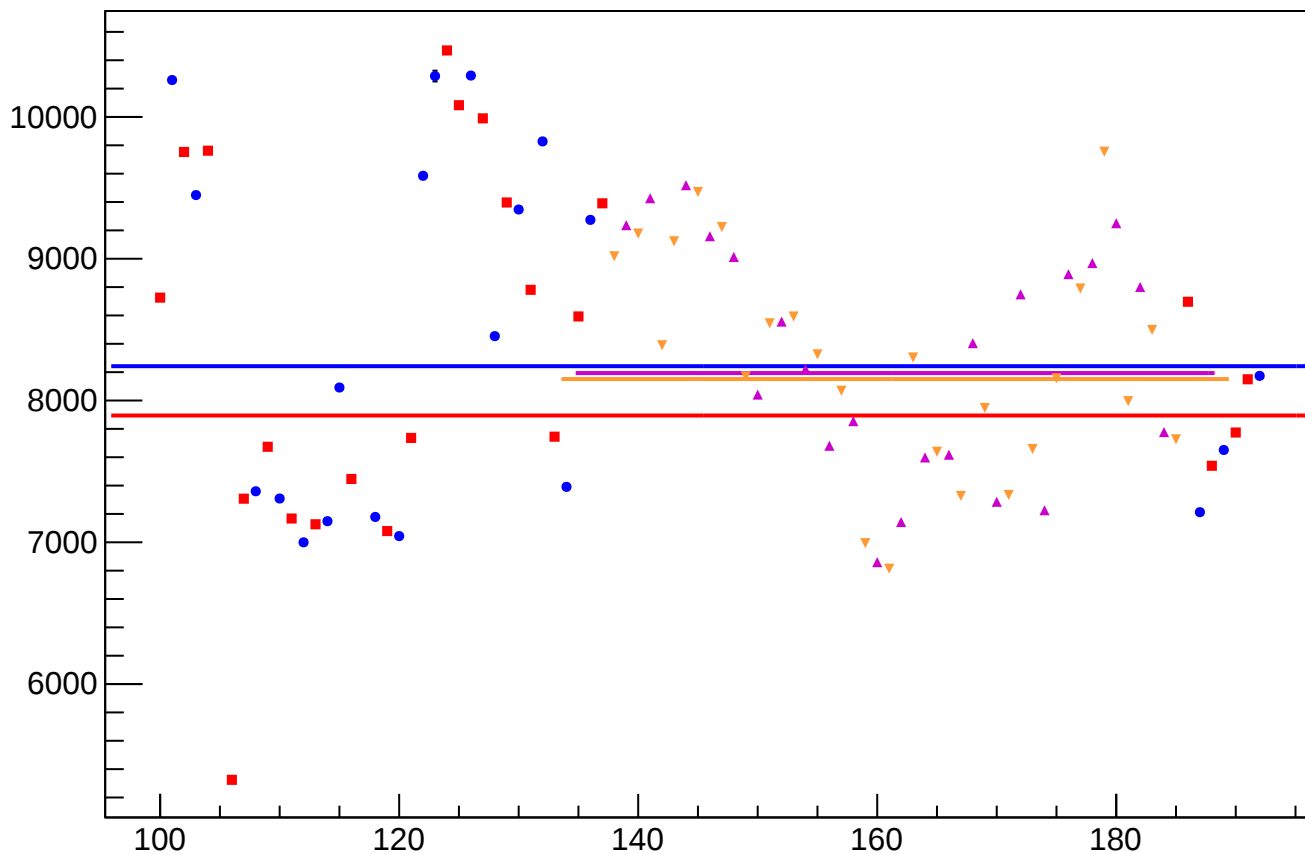
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

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

All: 2.146 ± 1.129 χ^2/NDF : 417.7/90

- sign 7.987 ± 1.594 χ^2/NDF : 150.3/45

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: 7894.264+/-1.886 χ^2/NDF : 399691.2/22

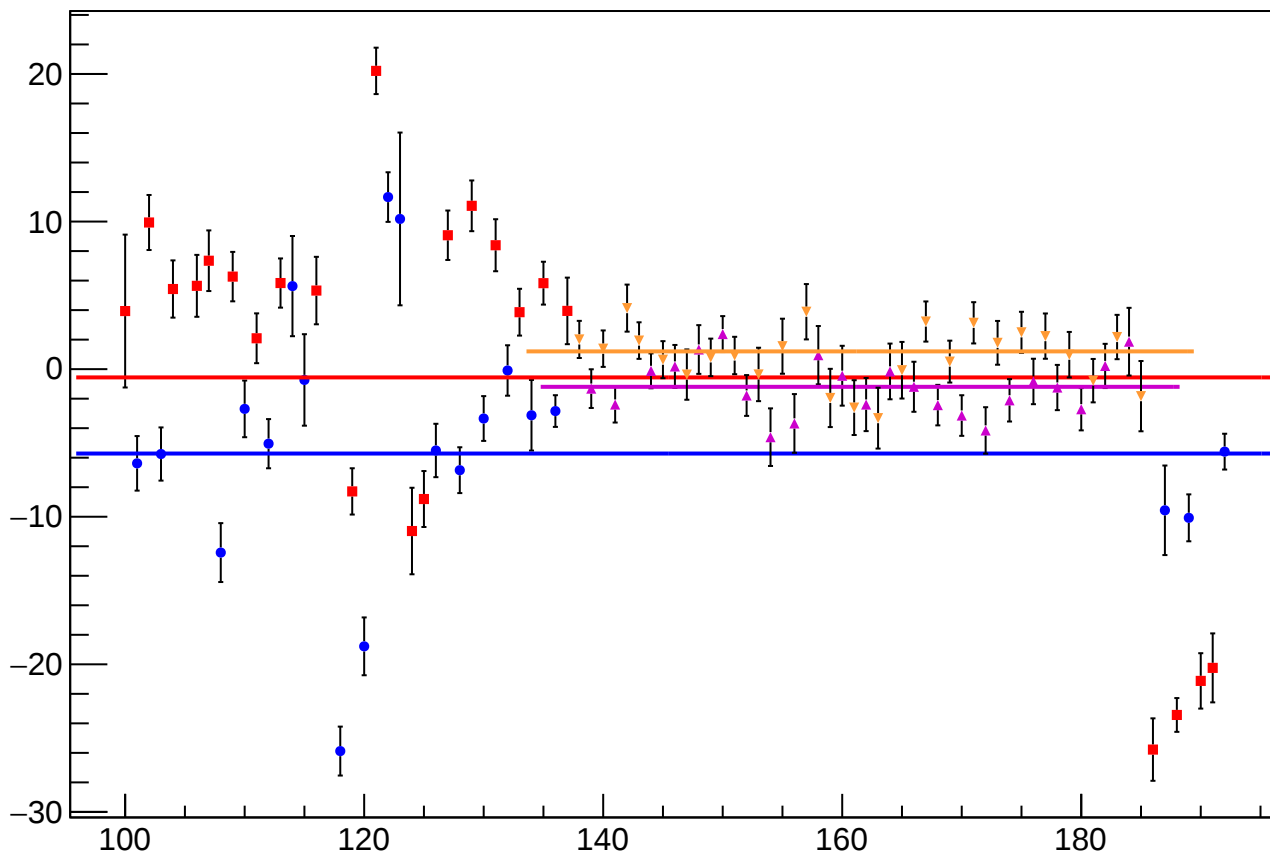
Left In: 8193.636+/-1.405 χ^2/NDF : 338377.6/22

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

All: 8132.690+/-0.798 χ^2/NDF : 1365697.0/90

- sign 8086.728+/-1.127 χ^2/NDF : 754272.3/45

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: -0.560 ± 0.376 χ^2/NDF : 1204.3/22

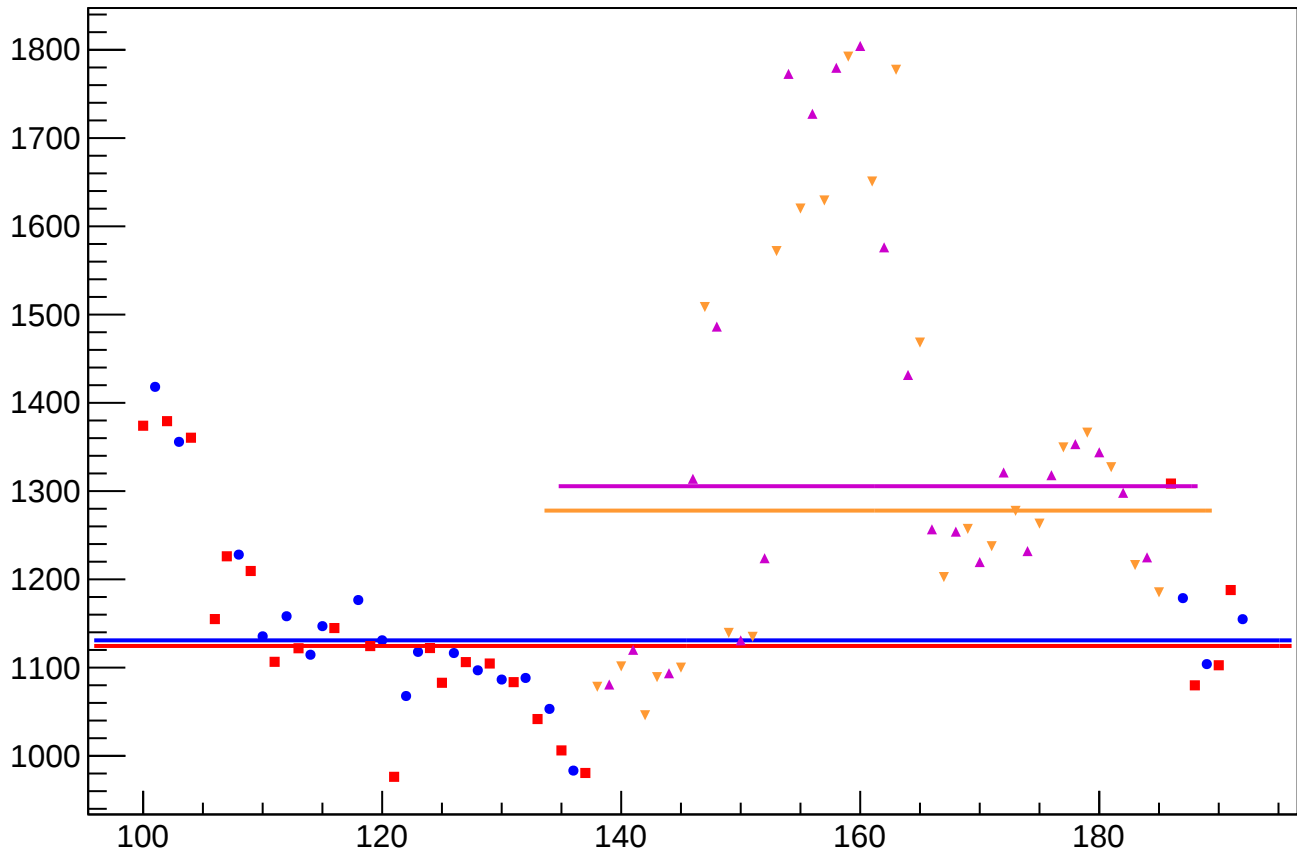
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

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

All: -1.145 ± 0.171 χ^2/NDF : 1827.9/90

- sign -0.932 ± 0.243 χ^2/NDF : 1237.2/45

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: 1124.527 $\pm$ 0.266 χ^2 /NDF: 149576.8/22

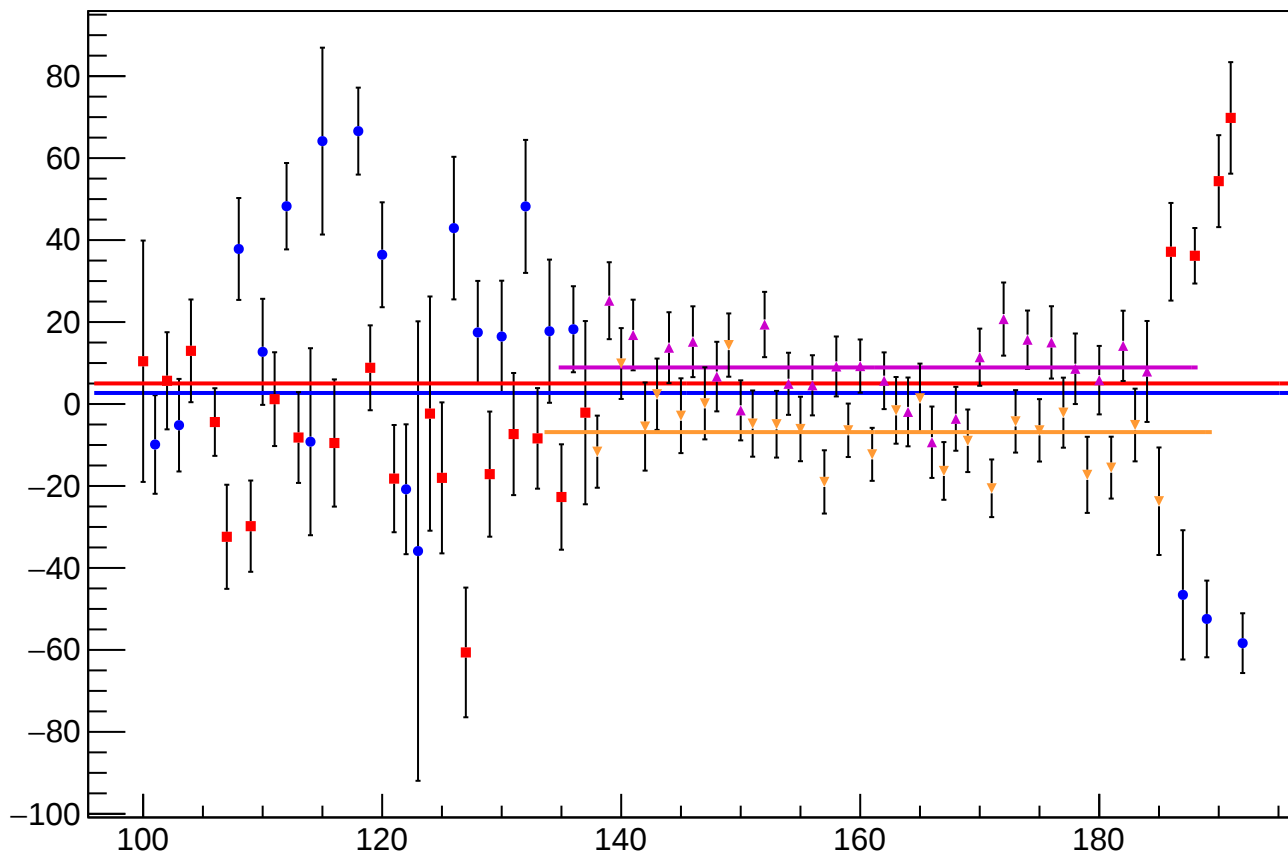
Left In: 1305.541 $\pm$ 0.225 χ^2 /NDF: 760450.8/22

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

All: 1226.814 $\pm$ 0.121 χ^2 /NDF: 2368299.8/90

- sign 1230.106 $\pm$ 0.172 χ^2 /NDF: 1179839.4/45

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: 5.020 ± 2.561 χ^2/NDF : 123.9/22

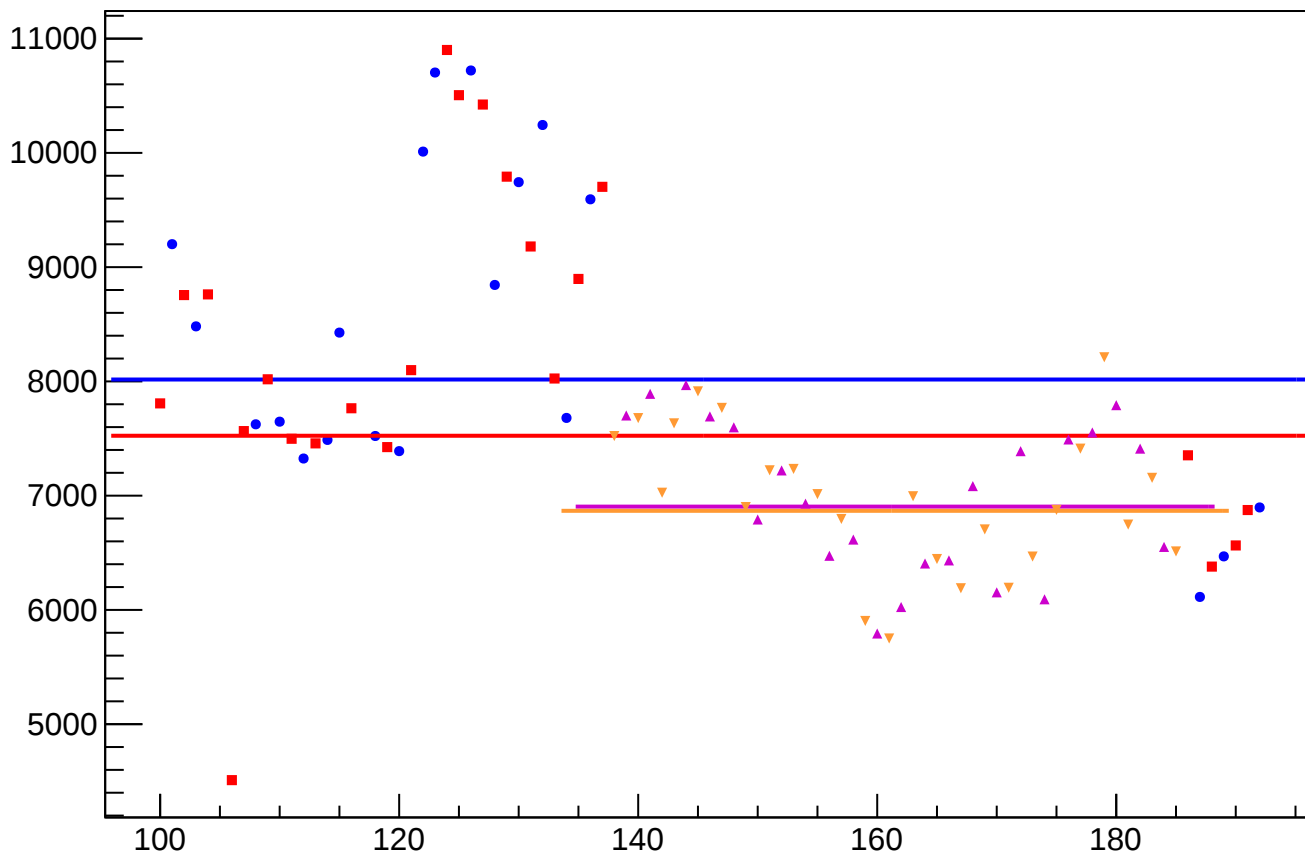
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

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

All: 1.631 ± 0.992 χ^2/NDF : 438.3/90

- sign 7.754 ± 1.401 χ^2/NDF : 147.4/45

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: 7524.354 $\pm$ 1.811 χ^2 /NDF: 654842.7/22

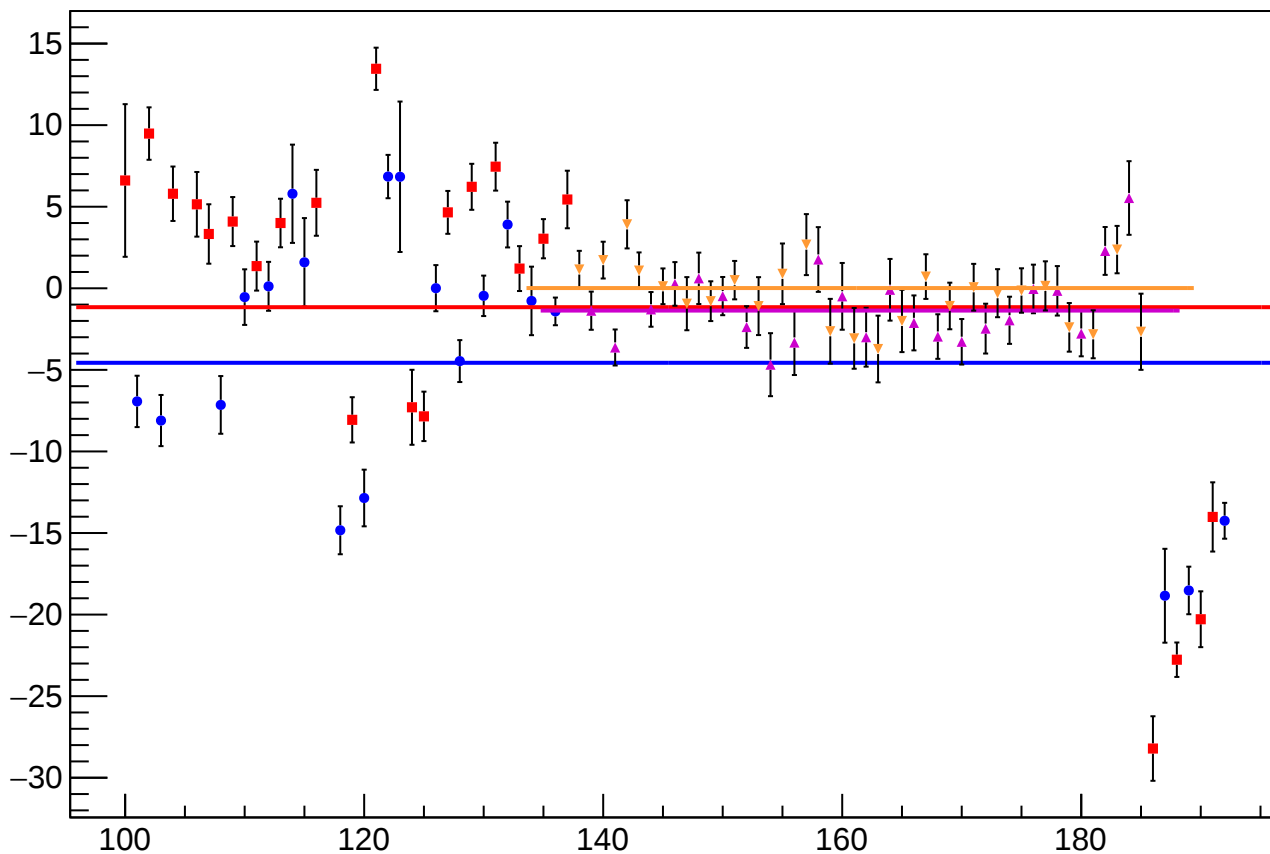
Left In: 6904.117 $\pm$ 1.184 χ^2 /NDF:325912.6/22

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

All: 7119.732 $\pm$ 0.701 χ^2 /NDF: 2006240.9/90

- sign 7089.888 $\pm$ 0.991 χ^2 /NDF: 1062958.9/45

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: -1.159 ± 0.325 $\chi^2/\text{NDF}: 1174.6/22$

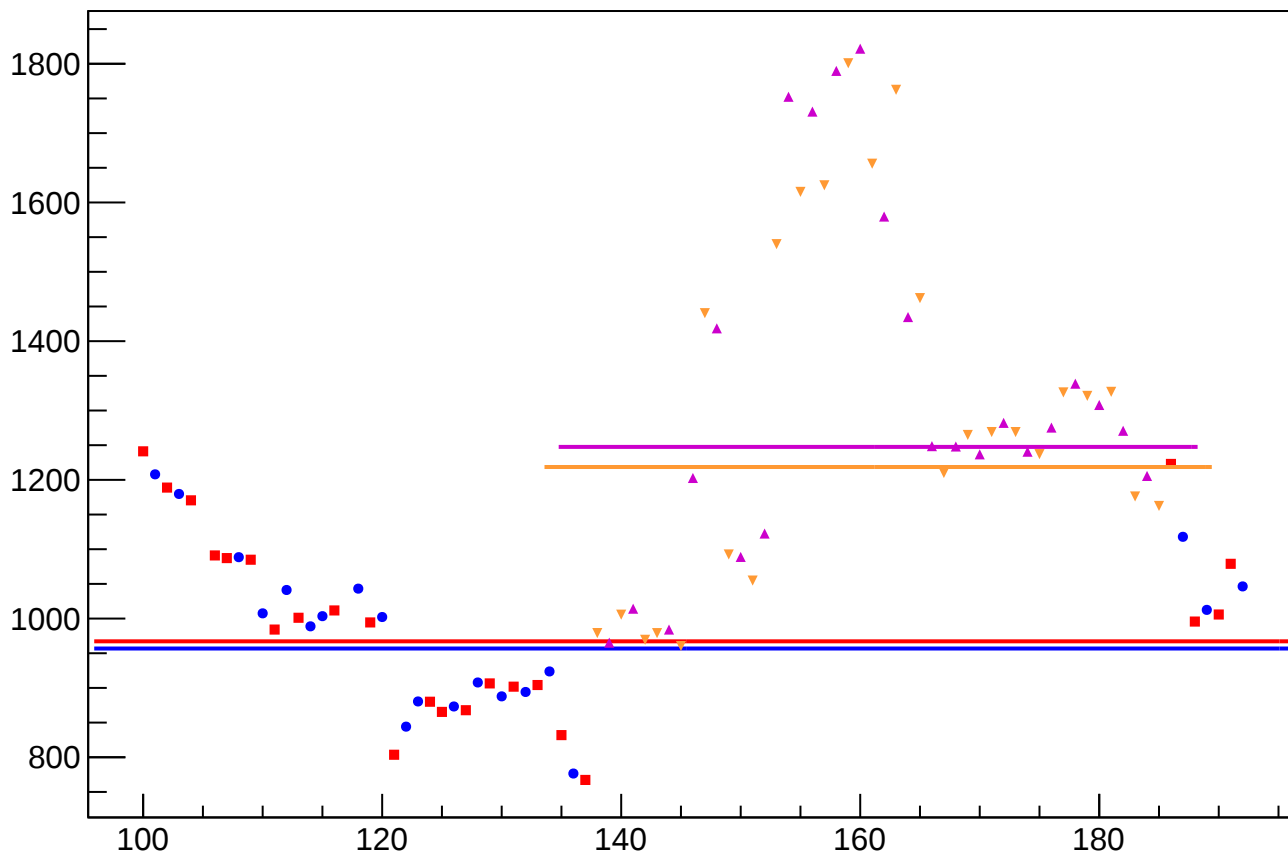
Left In: -1.365 ± 0.306 $\chi^2/\text{NDF}: 38.5/22$

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

All: -1.611 ± 0.156 $\chi^2/\text{NDF}: 1821.8/90$

- sign -1.268 ± 0.223 $\chi^2/\text{NDF}: 1213.3/45$

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: 967.187 $\pm$ 0.230 χ^2 /NDF: 266106.7/22

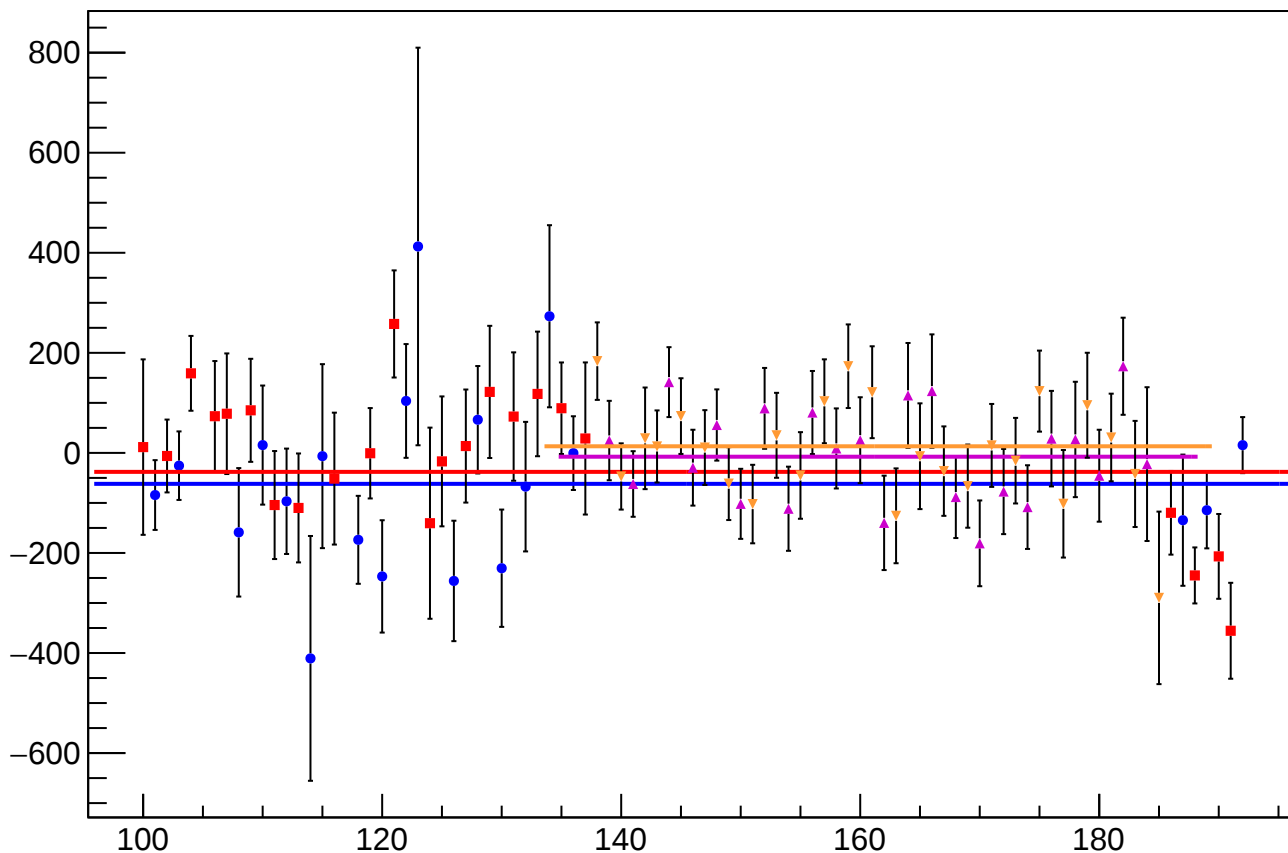
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

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

All: 1111.253 $\pm$ 0.110 χ^2 /NDF: 4362270.7/90

- sign 1115.928 $\pm$ 0.157 χ^2 /NDF: 2130176.0/45

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: -37.916 ± 20.837 χ^2/NDF : 55.2/22

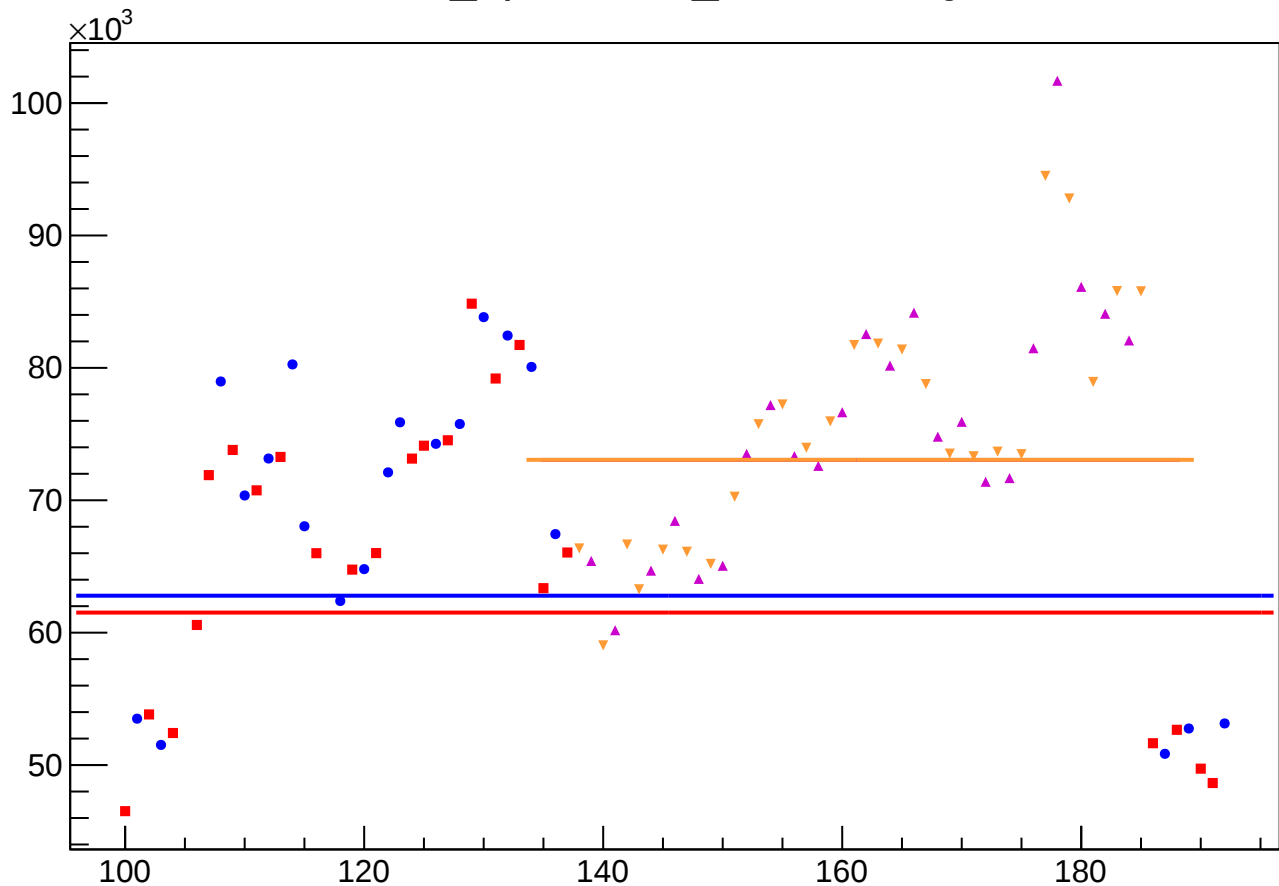
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

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

All: -17.592 ± 9.562 χ^2/NDF : 142.9/90

- sign -20.293 ± 13.477 χ^2/NDF : 84.5/45

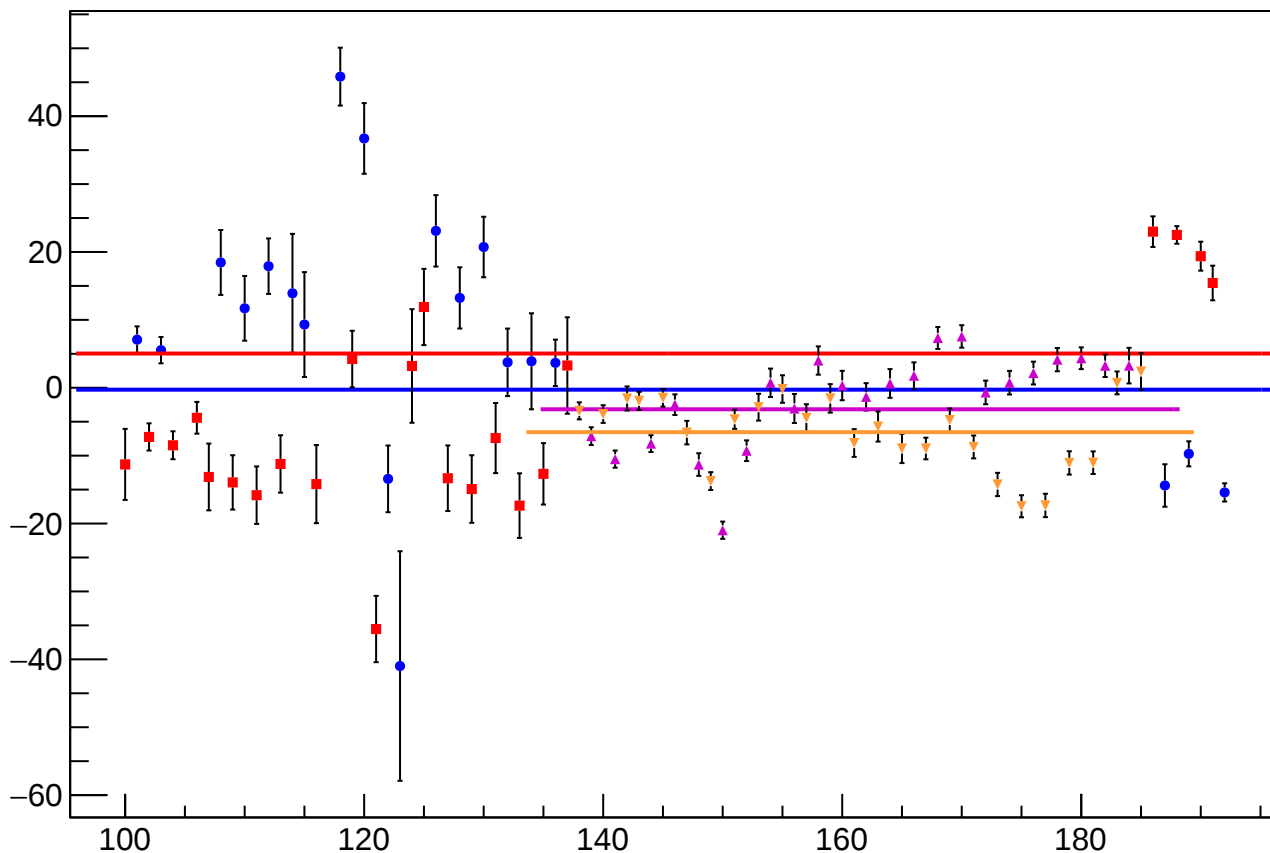
diff_bpm0r03X_rms vs Slug



Right In: 62792.135 $\pm$ 15.694 χ^2 /NDF: 471293.0/19
 Left Out: 73054.401 $\pm$ 12.124 χ^2 /NDF: 473050.9/24
 Right Out: 61517.410 $\pm$ 14.734 χ^2 /NDF: 517434.6/22
 Left In: 73045.500 $\pm$ 12.496 χ^2 /NDF: 463525.5/22

+ sign 69218.739 $\pm$ 9.594 χ^2 /NDF: 1212125.1/44
 All: 68717.356 $\pm$ 6.761 χ^2 /NDF: 2554580.6/9
 - sign 68222.692 $\pm$ 9.530 χ^2 /NDF: 1337030.3/45

diff_bpm0r03Y_mean vs Slug



Right In: -0.282 ± 0.695 χ^2/NDF : 475.9/19

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

Right Out: 5.043 ± 0.633 χ^2/NDF : 644.9/22

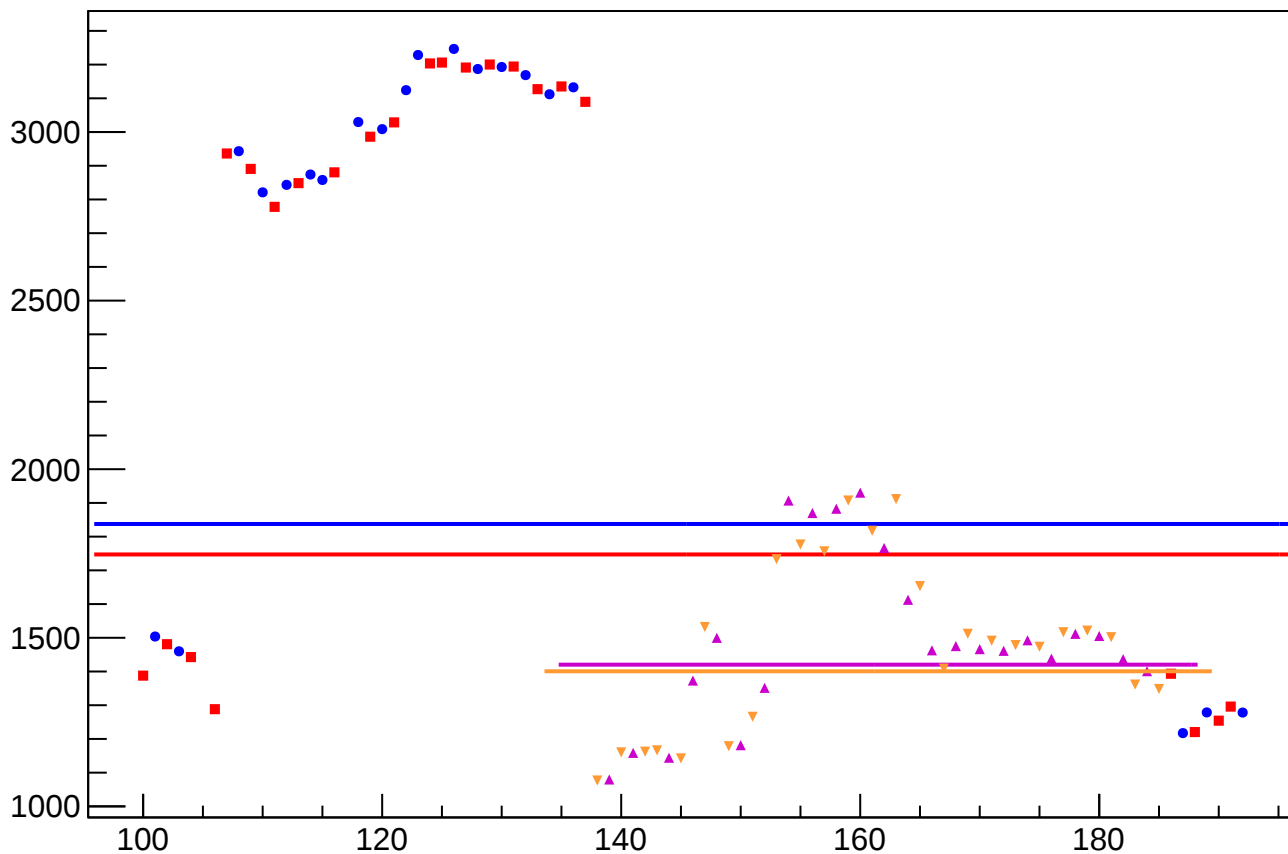
Left In: -3.171 ± 0.346 χ^2/NDF : 487.3/22

+ sign -5.375 ± 0.299 χ^2/NDF : 794.6/44

All: -3.356 ± 0.213 χ^2/NDF : 2148.7/90

- sign -1.277 ± 0.304 χ^2/NDF : 1261.8/45

diff_bpm0r03Y_rms vs Slug



Right In: 1837.535+/-0.491 χ^2/NDF : 2529639.0/19

Left Out: 1400.637+/-0.235 χ^2/NDF : 1037921.6/24

Right Out: 1747.159+/-0.448 χ^2/NDF : 2771783.1/22

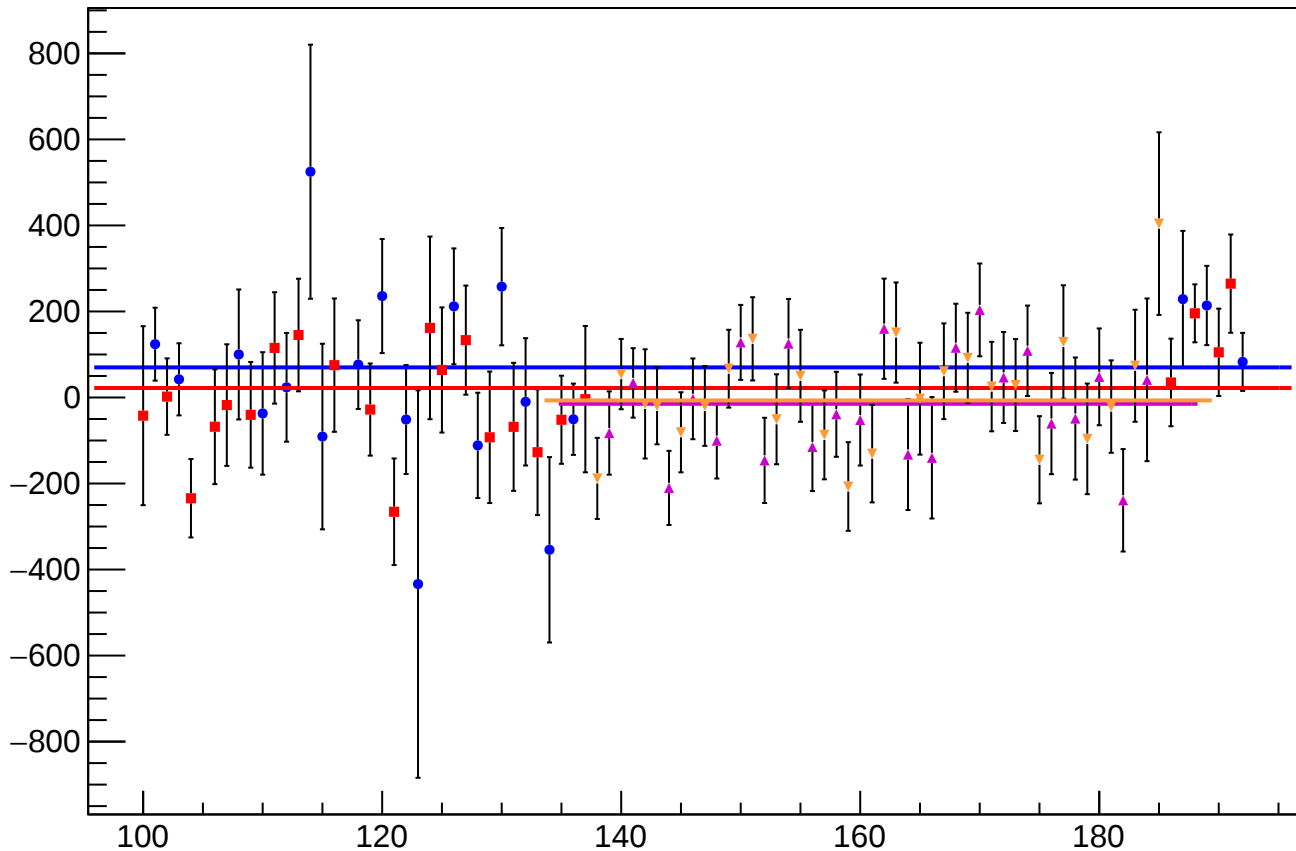
Left In: 1420.285+/-0.245 χ^2/NDF : 905186.2/22

+ sign 1481.798+/-0.212 χ^2/NDF : 4211682.8/44

All: 1488.615+/-0.151 χ^2/NDF : 8301170.3/90

- sign 1495.639+/-0.215 χ^2/NDF : 4087382.7/45

diff_bpm0r05X_mean vs Slug



Right In: 69.951 ± 26.226 χ^2/NDF : 22.9/19

Left Out: -6.789 ± 21.213 χ^2/NDF : 24.7/24

Right Out: 22.047 ± 24.687 χ^2/NDF : 31.6/22

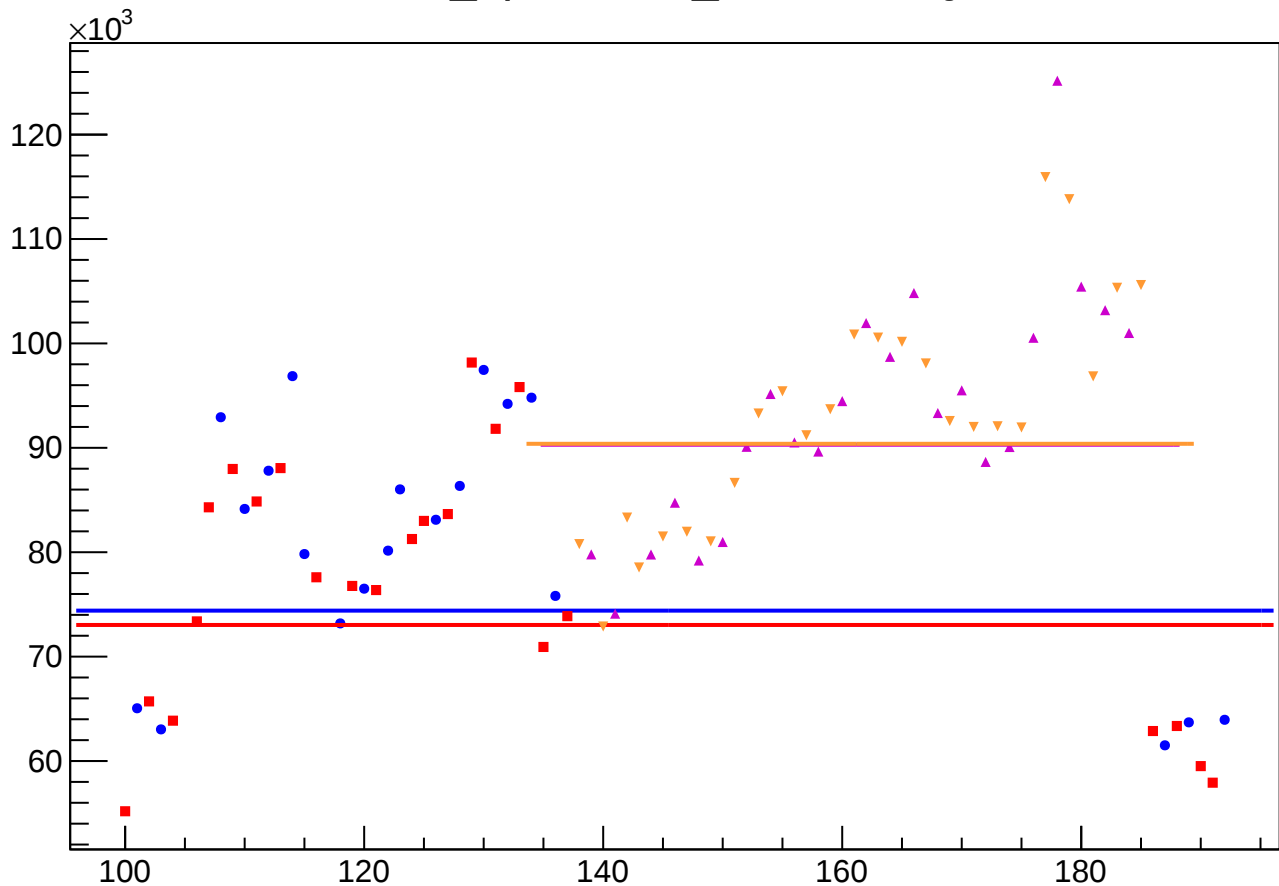
Left In: -14.611 ± 21.846 χ^2/NDF : 29.8/22

+ sign 23.562 ± 16.493 χ^2/NDF : 52.7/44

All: 12.436 ± 11.615 χ^2/NDF : 116.3/90

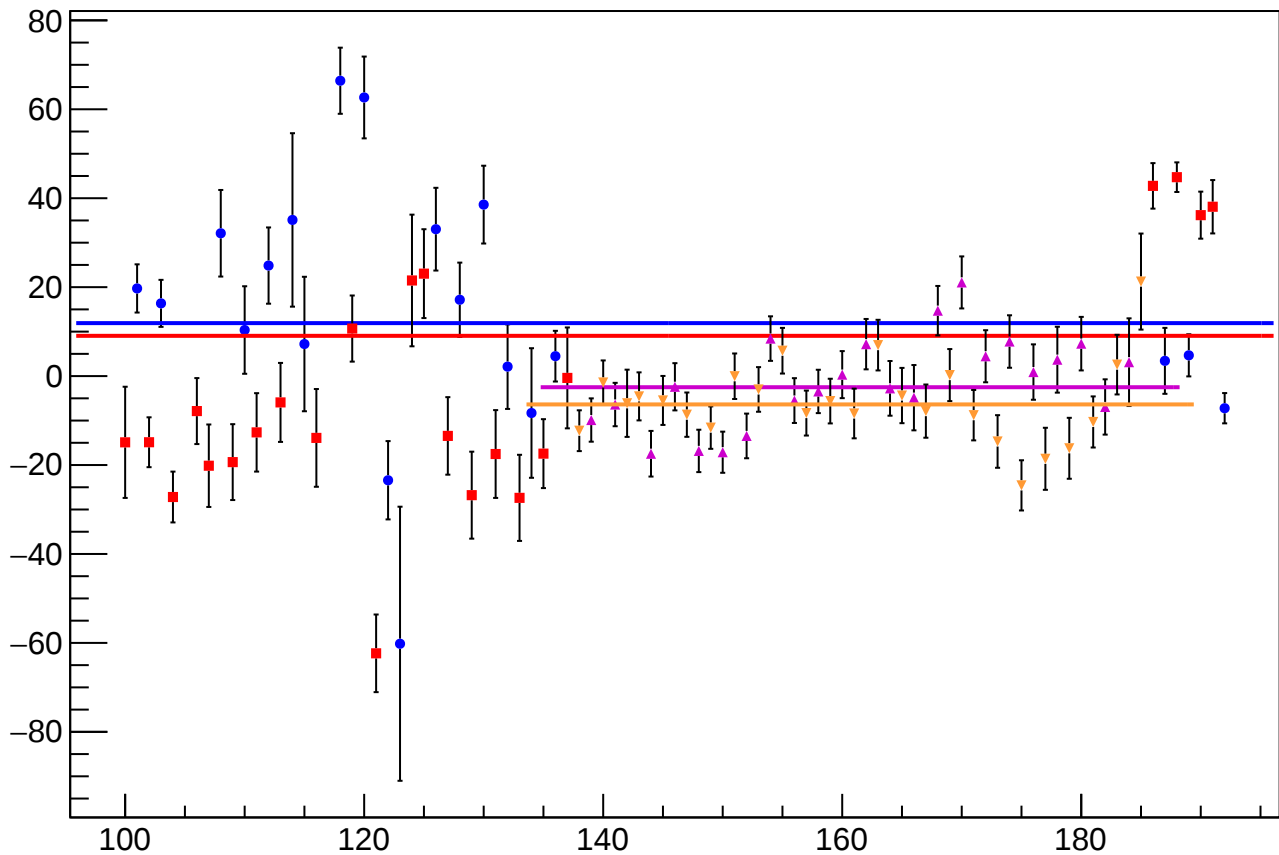
- sign 1.488 ± 16.360 χ^2/NDF : 62.7/45

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: 83383.466 $\pm$ 8.213	χ^2 /NDF: 2729123.6/9
Right Out: 73032.293 $\pm$ 17.457	χ^2 /NDF: 432934.1/22	- sign 82712.943 $\pm$ 11.568	χ^2 /NDF: 1442625.5/45
Left In: 90293.591 $\pm$ 15.448	χ^2 /NDF: 461337.5/22		

diff_bpm0r05Y_mean vs Slug



Right In: 11.913 ± 1.602 $\chi^2/\text{NDF}: 171.4/19$

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

Right Out: 9.055 ± 1.486 $\chi^2/\text{NDF}: 432.9/22$

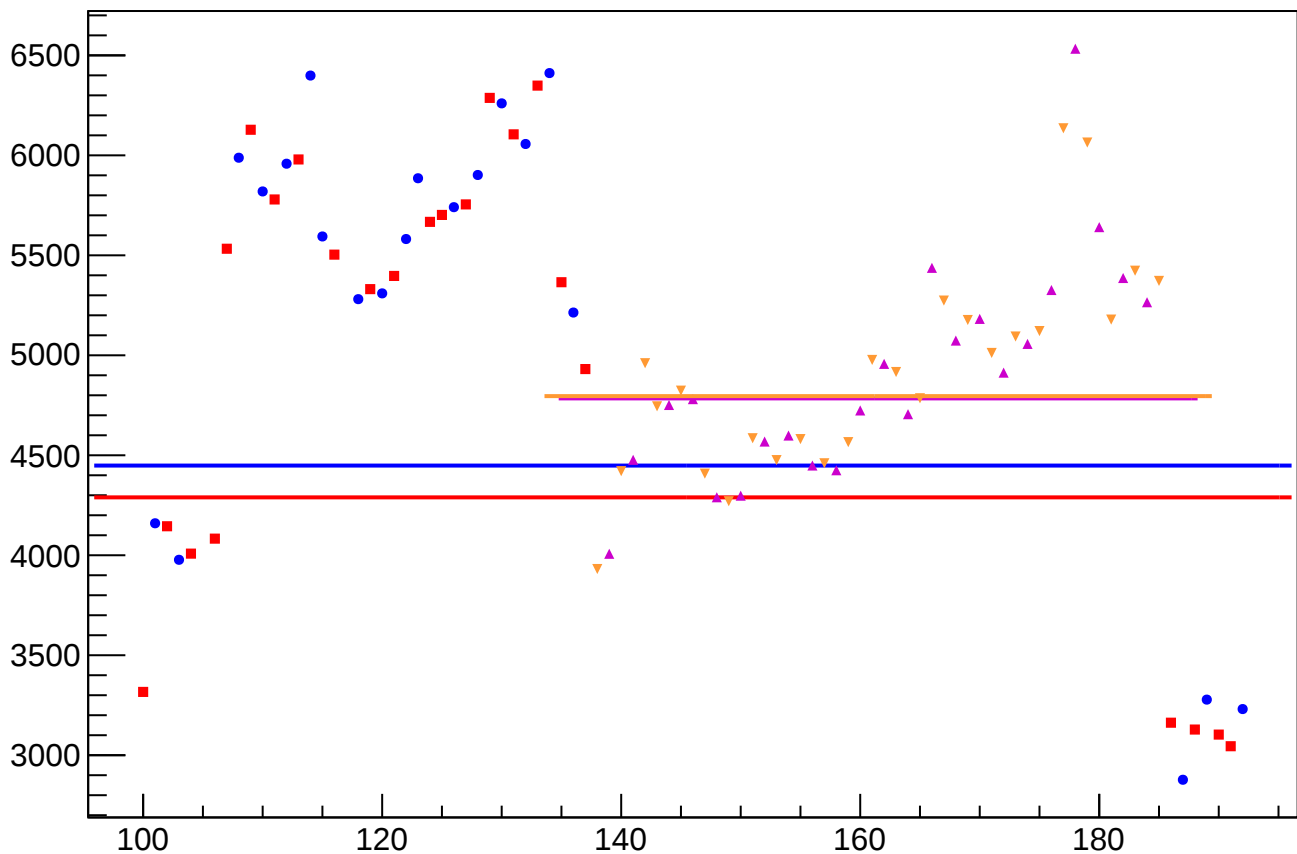
Left In: -2.501 ± 1.156 $\chi^2/\text{NDF}: 78.4/22$

+ sign -0.340 ± 0.920 $\chi^2/\text{NDF}: 304.1/44$

All: 0.767 ± 0.648 $\chi^2/\text{NDF}: 856.0/90$

- sign 1.855 ± 0.912 $\chi^2/\text{NDF}: 549.0/45$

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: 4289.513+/-1.051 χ^2/NDF : 1300928.1/22

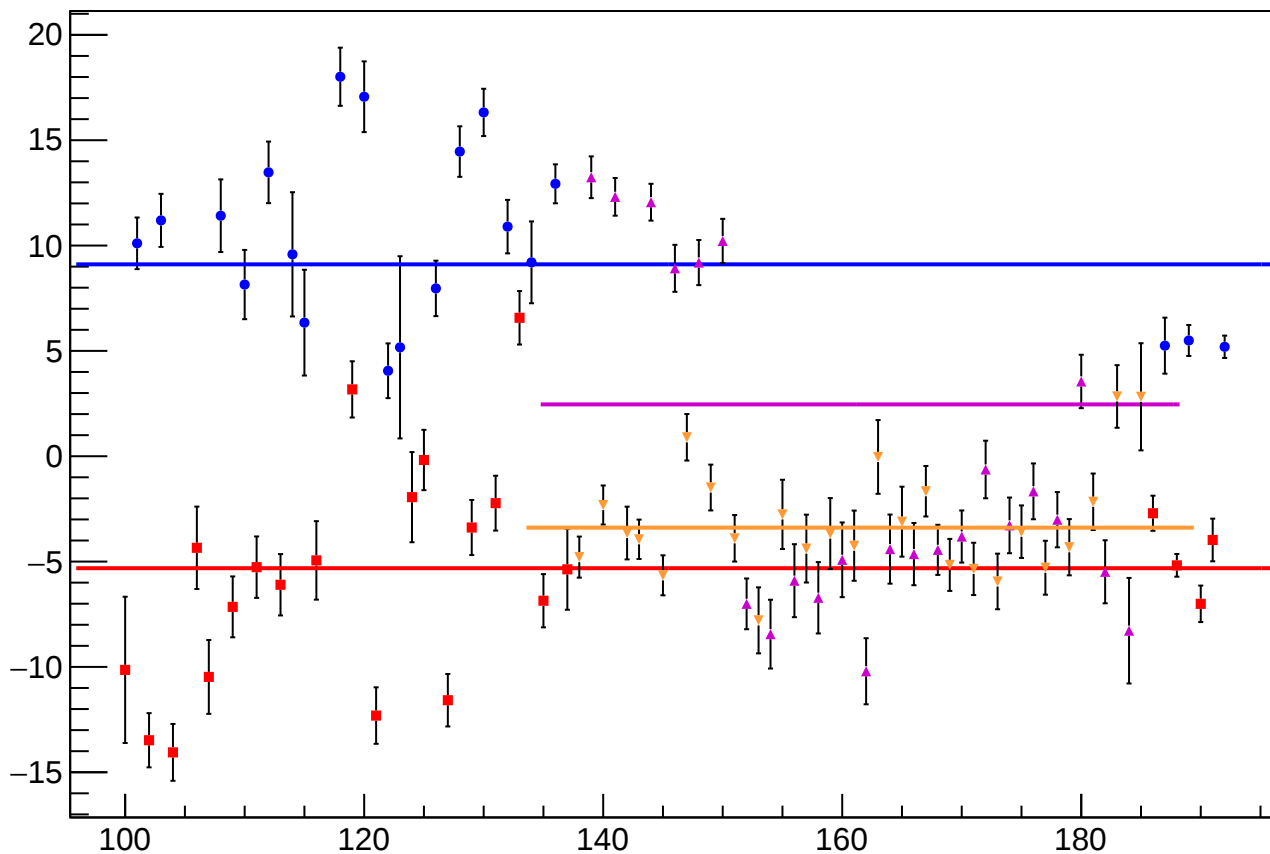
Left In: 4784.434+/-0.817 χ^2/NDF : 357507.2/22

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

All: 4639.242+/-0.458 χ^2/NDF : 3295176.0/90

- sign 4597.879+/-0.645 χ^2/NDF : 1796638.6/45

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: -5.314 ± 0.251 χ^2/NDF : 315.8/22

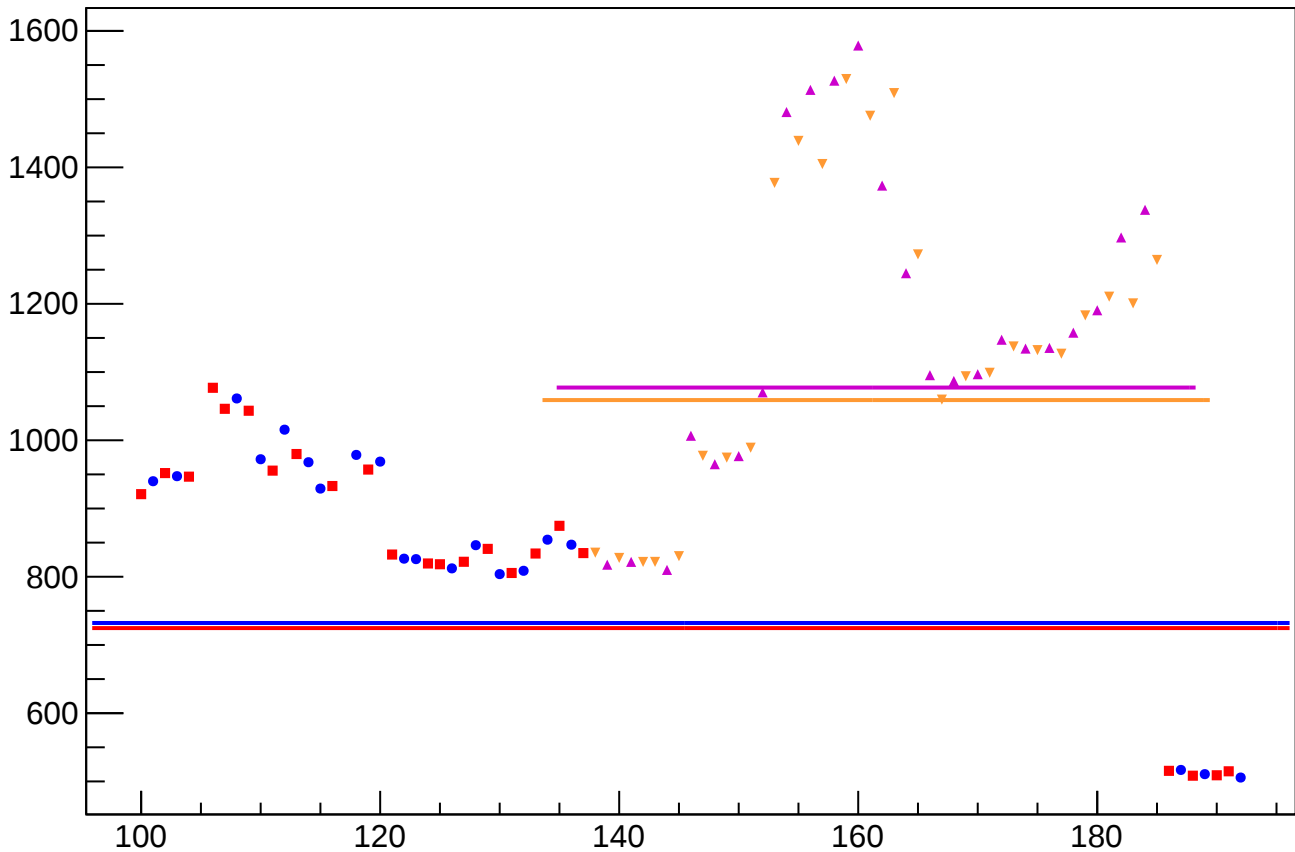
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

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

All: 0.468 ± 0.129 χ^2/NDF : 3479.1/90

- sign -1.631 ± 0.182 χ^2/NDF : 1699.0/45

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: 724.739 ± 0.177 χ^2/NDF : 1319047.6/22

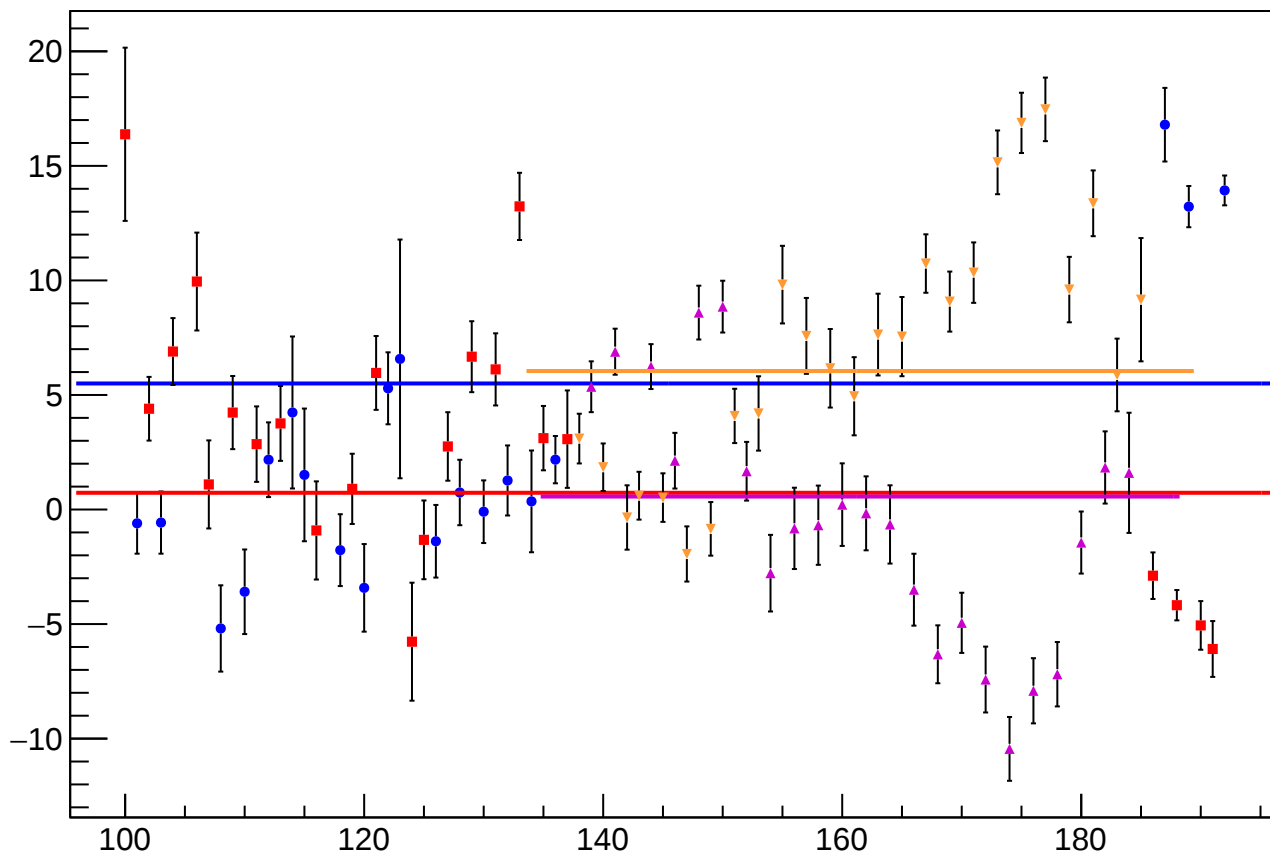
Left In: 1077.284 ± 0.187 χ^2/NDF : 1280349.9/22

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

All: 897.347 ± 0.091 χ^2/NDF : 8604247.1/90

- sign 891.757 ± 0.129 χ^2/NDF : 4471127.3/45

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: 0.731 ± 0.295 χ^2/NDF : 323.2/22

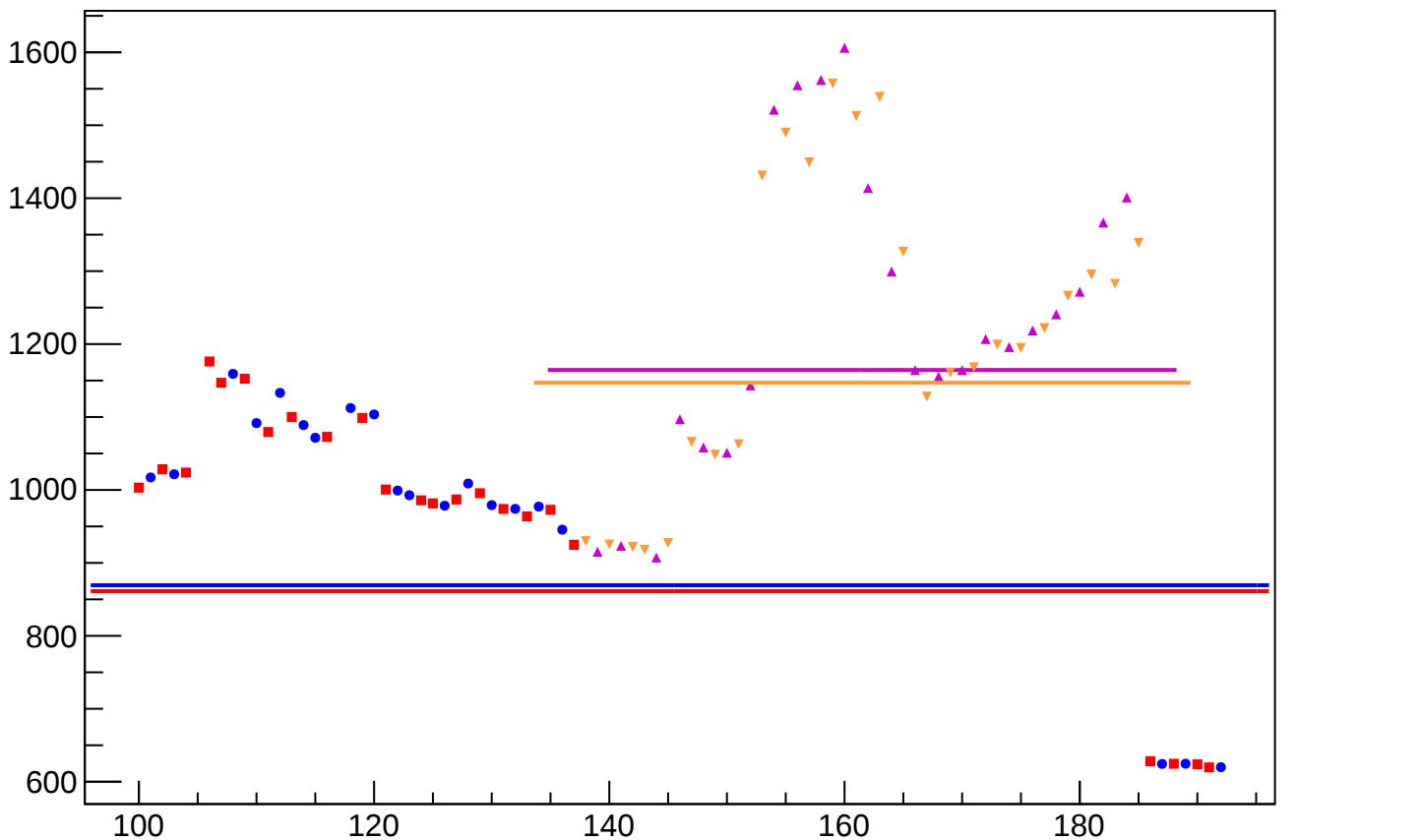
Left In: 0.566 ± 0.284 χ^2/NDF : 417.0/22

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

All: 3.230 ± 0.145 χ^2/NDF : 1999.4/90

- sign 0.645 ± 0.205 χ^2/NDF : 740.4/45

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: 861.213 $\pm$ 0.209 χ^2/NDF : 988990.4/22

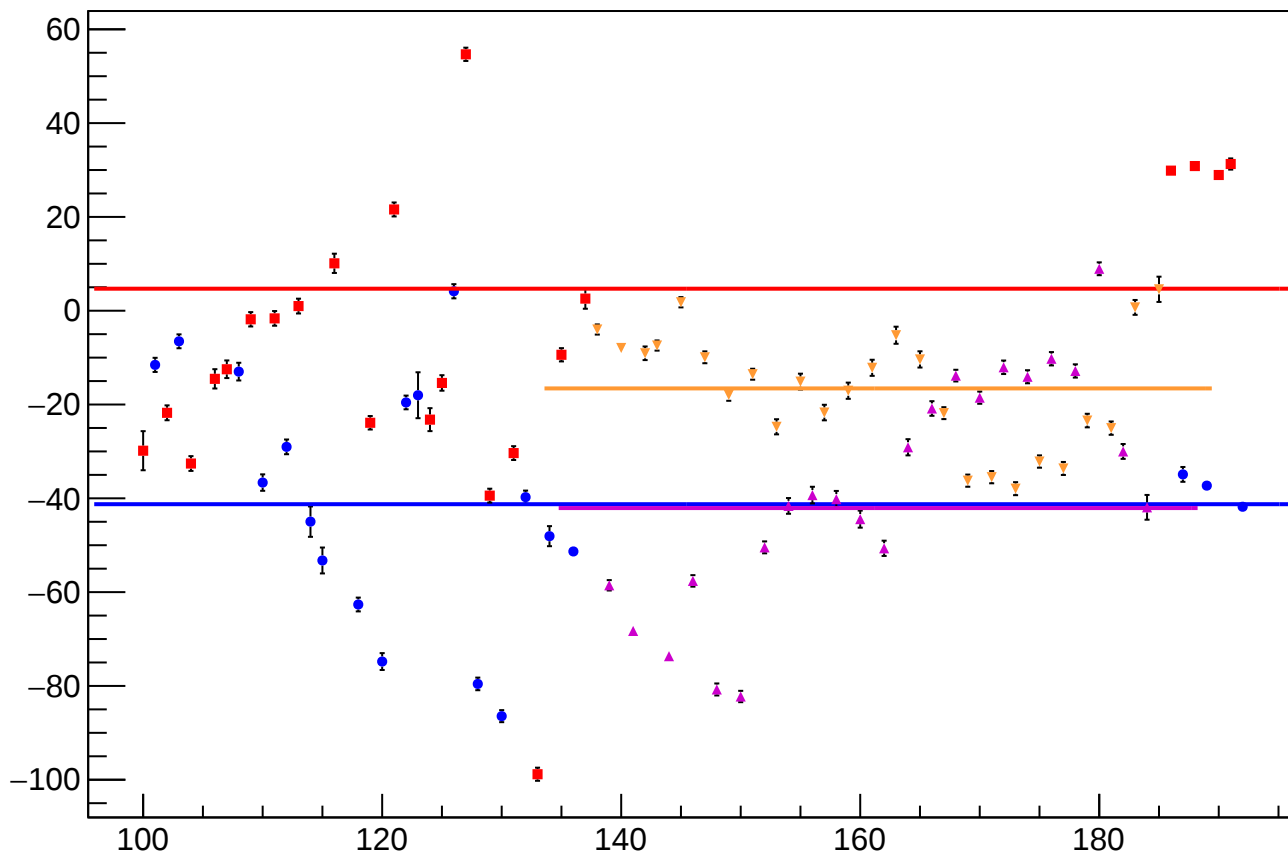
Left In: 1164.432 $\pm$ 0.201 χ^2/NDF : 944112.0/22

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

All: 1022.618 $\pm$ 0.102 χ^2/NDF : 5825467.6/90

- sign 1018.609 $\pm$ 0.145 χ^2/NDF : 3028578.2/45

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: 4.696 ± 0.287 χ^2/NDF : 13593.7/22

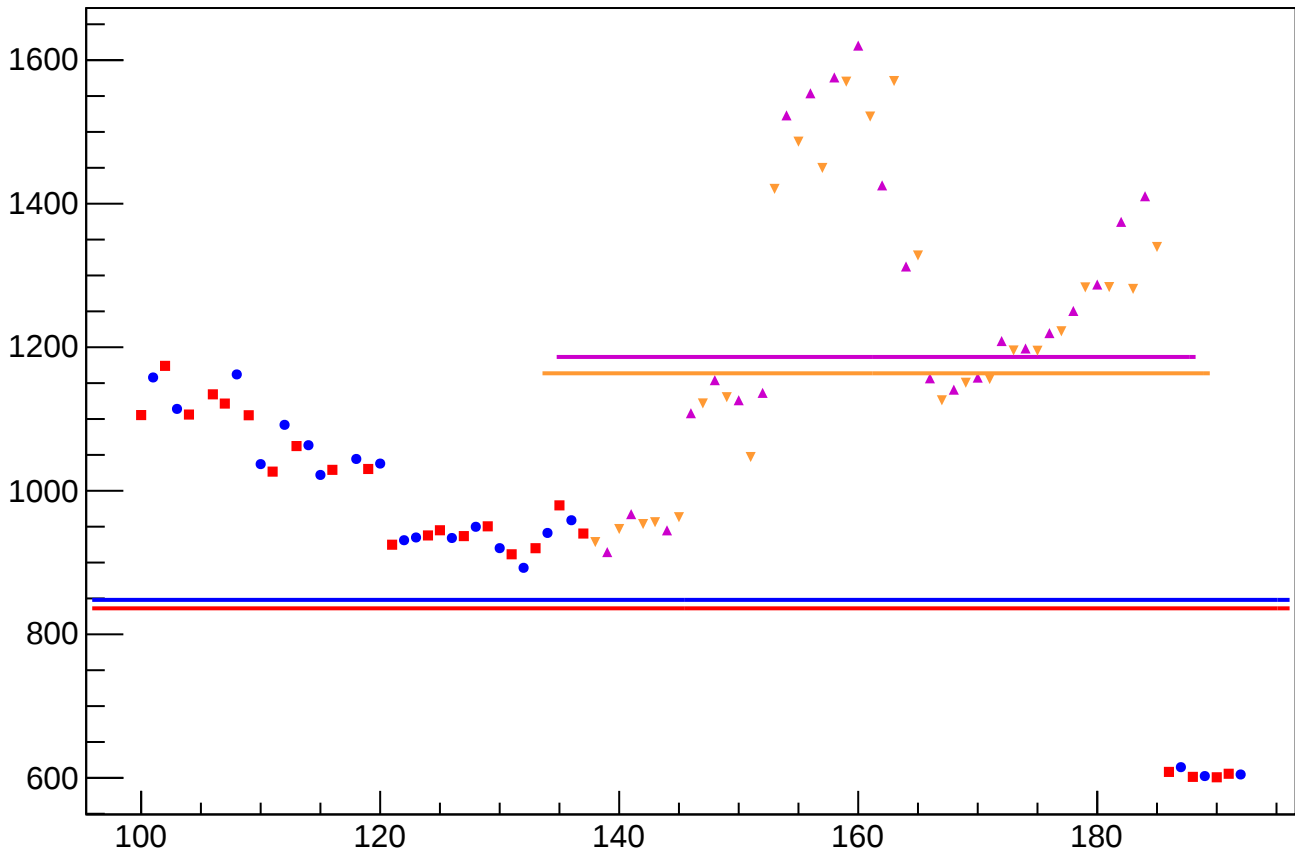
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

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

All: -23.122 ± 0.144 χ^2/NDF : 46809.2/90

- sign -18.543 ± 0.204 χ^2/NDF : 35096.7/45

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: 836.217 $\pm$ 0.203 χ^2 /NDF: 1071325.0/22

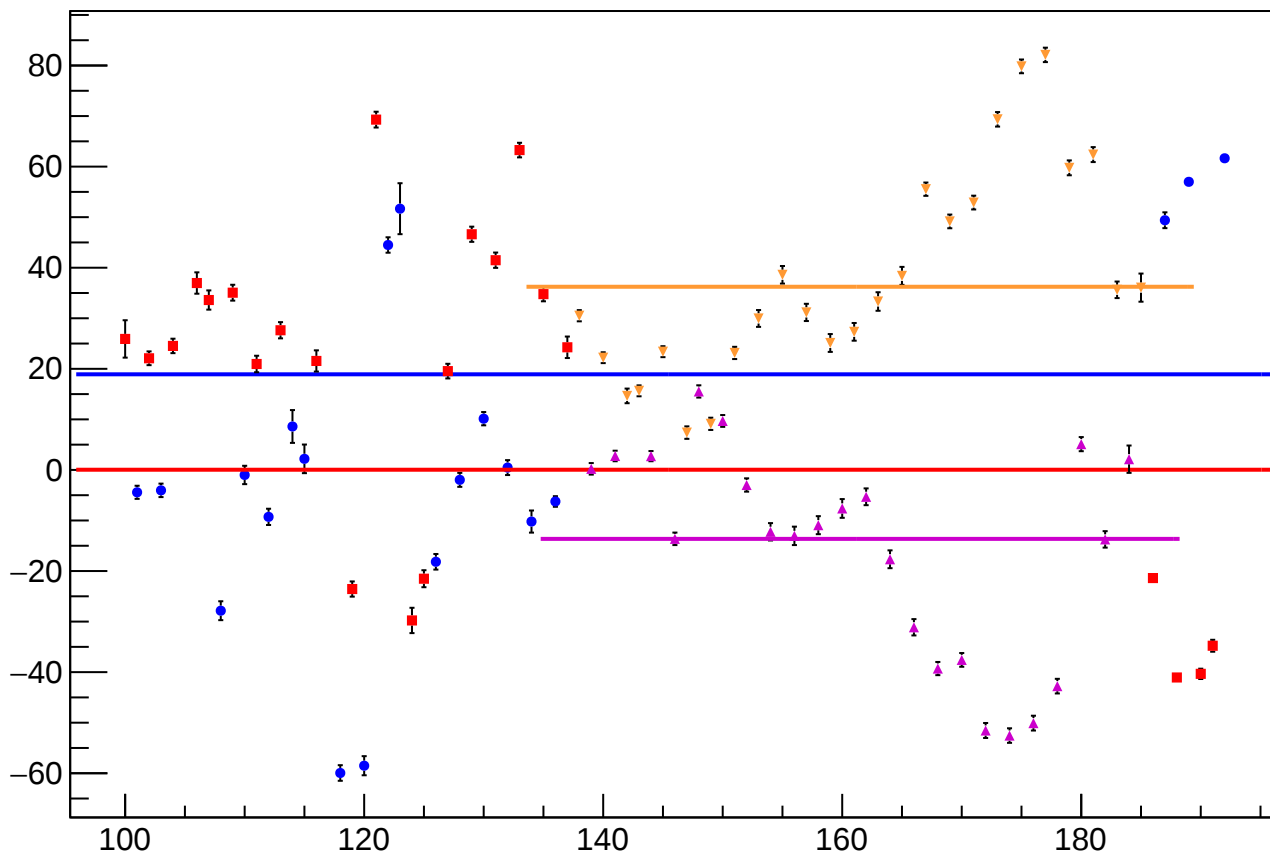
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF: 833420.3/22

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

All: 1015.728 $\pm$ 0.102 χ^2 /NDF: 6415288.4/90

- sign 1010.242 $\pm$ 0.144 χ^2 /NDF: 3381937.3/45

diff_bpm2i02Y_mean vs Slug



Right In: 18.915 ± 0.303 $\chi^2/\text{NDF}: 15031.4/19$

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

Right Out: 0.039 ± 0.288 $\chi^2/\text{NDF}: 16416.6/22$

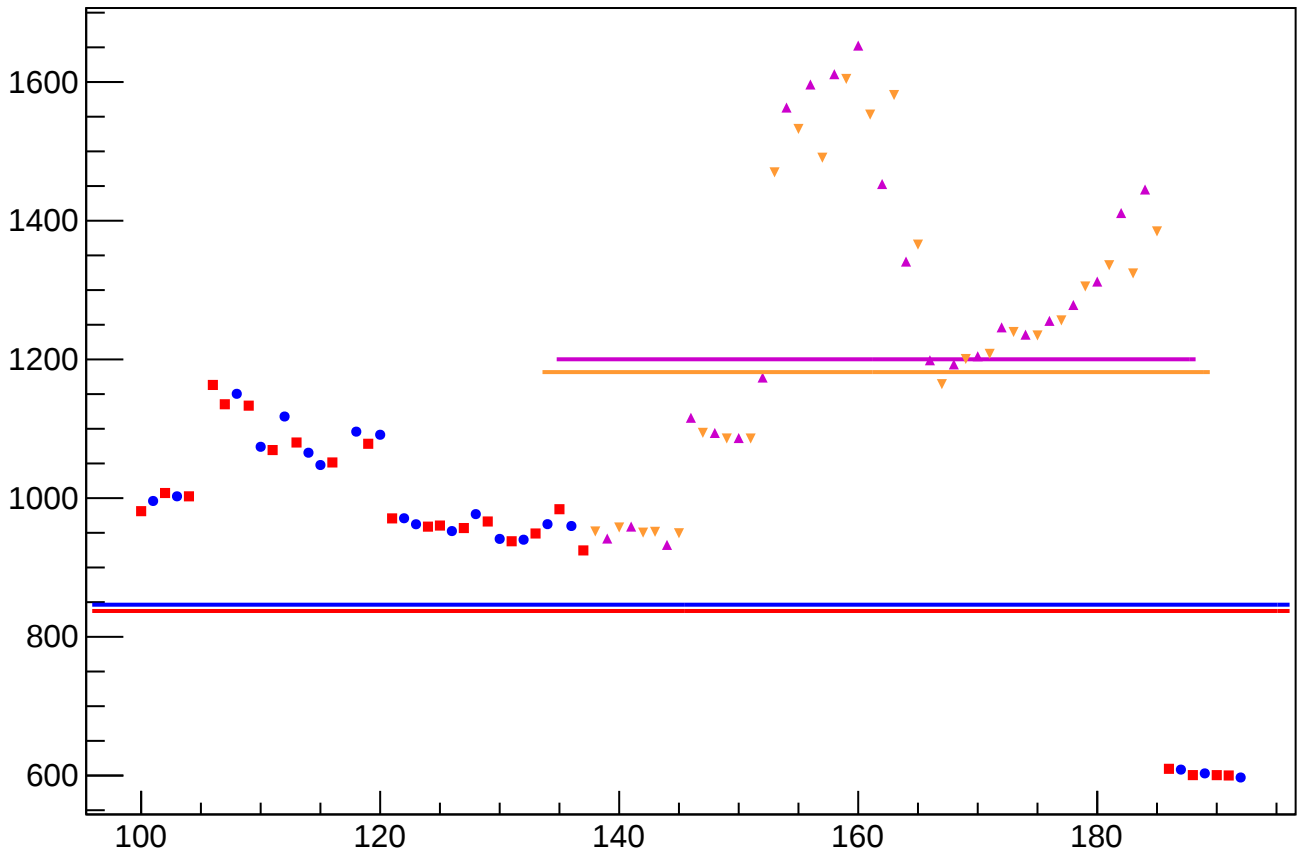
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 28.258 ± 0.206 $\chi^2/\text{NDF}: 22589.1/44$

All: 10.756 ± 0.145 $\chi^2/\text{NDF}: 59764.4/90$

- sign -6.677 ± 0.205 $\chi^2/\text{NDF}: 22705.6/45$

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: 837.282 $\pm$ 0.203 χ^2 /NDF: 1063124.1/22

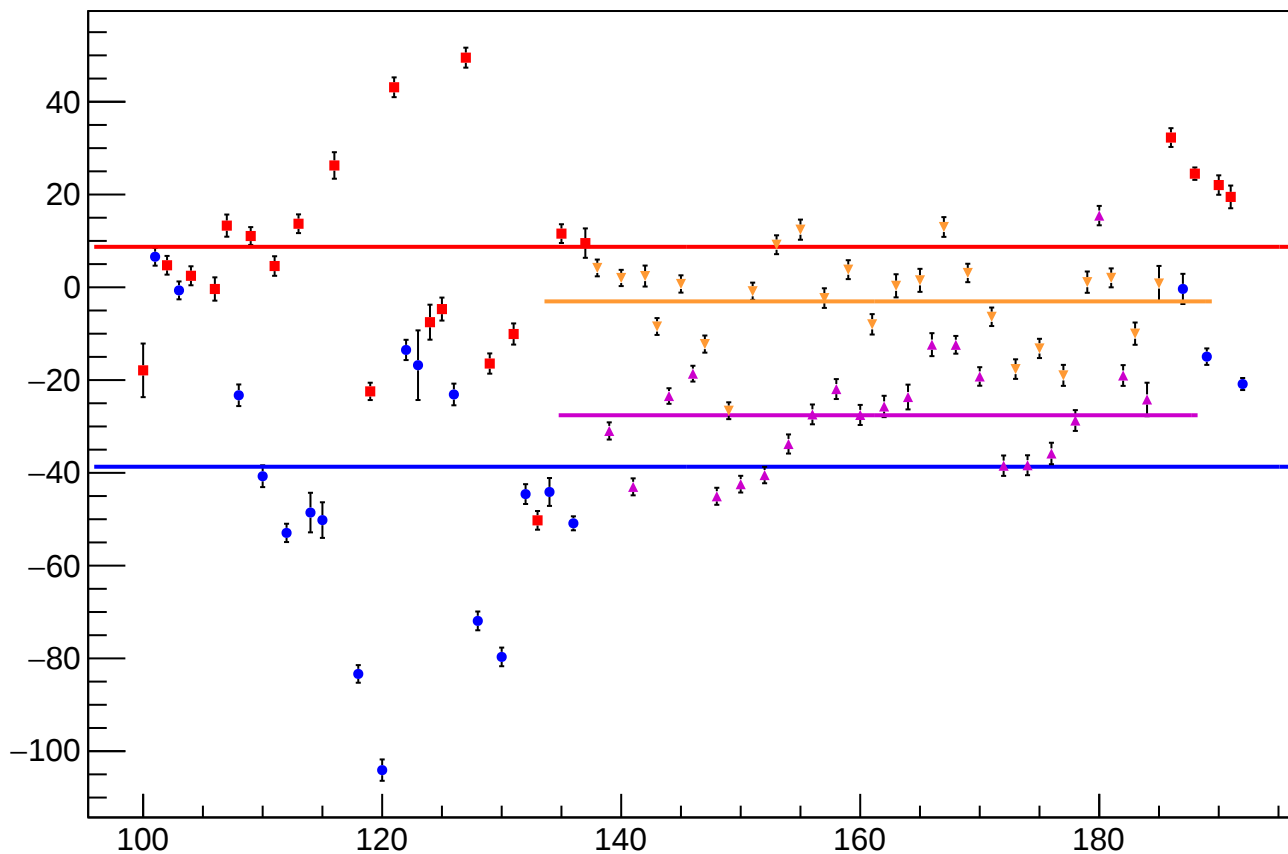
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF: 938224.7/22

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

All: 1021.359 $\pm$ 0.103 χ^2 /NDF: 6843482.8/90

- sign 1015.463 $\pm$ 0.145 χ^2 /NDF: 3565443.7/45

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: 8.726 ± 0.454 χ^2/NDF : 2438.6/22

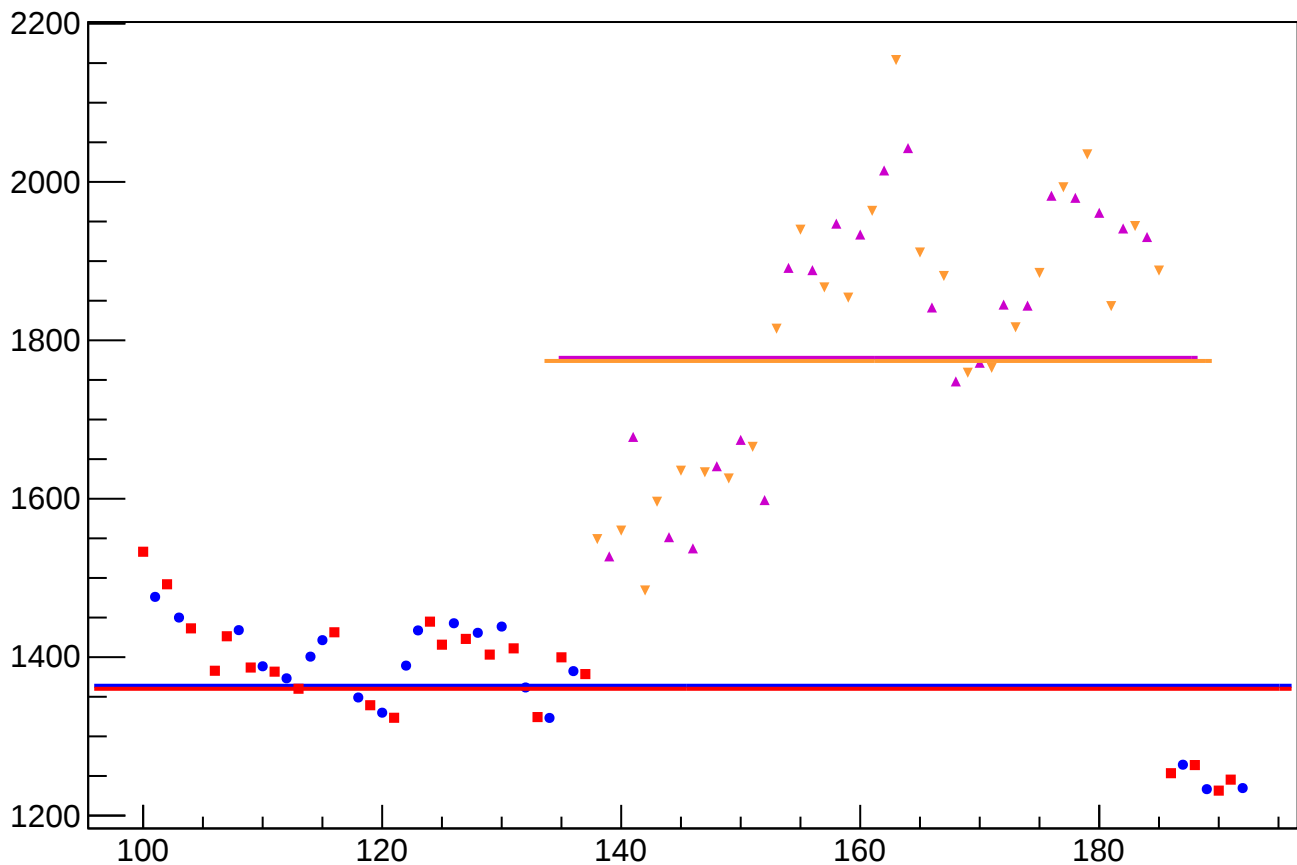
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

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

All: -14.442 ± 0.221 χ^2/NDF : 14725.7/90

- sign -10.443 ± 0.312 χ^2/NDF : 6779.8/45

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: 1360.069 $\pm$ 0.321 χ^2 /NDF: 52331.5/22

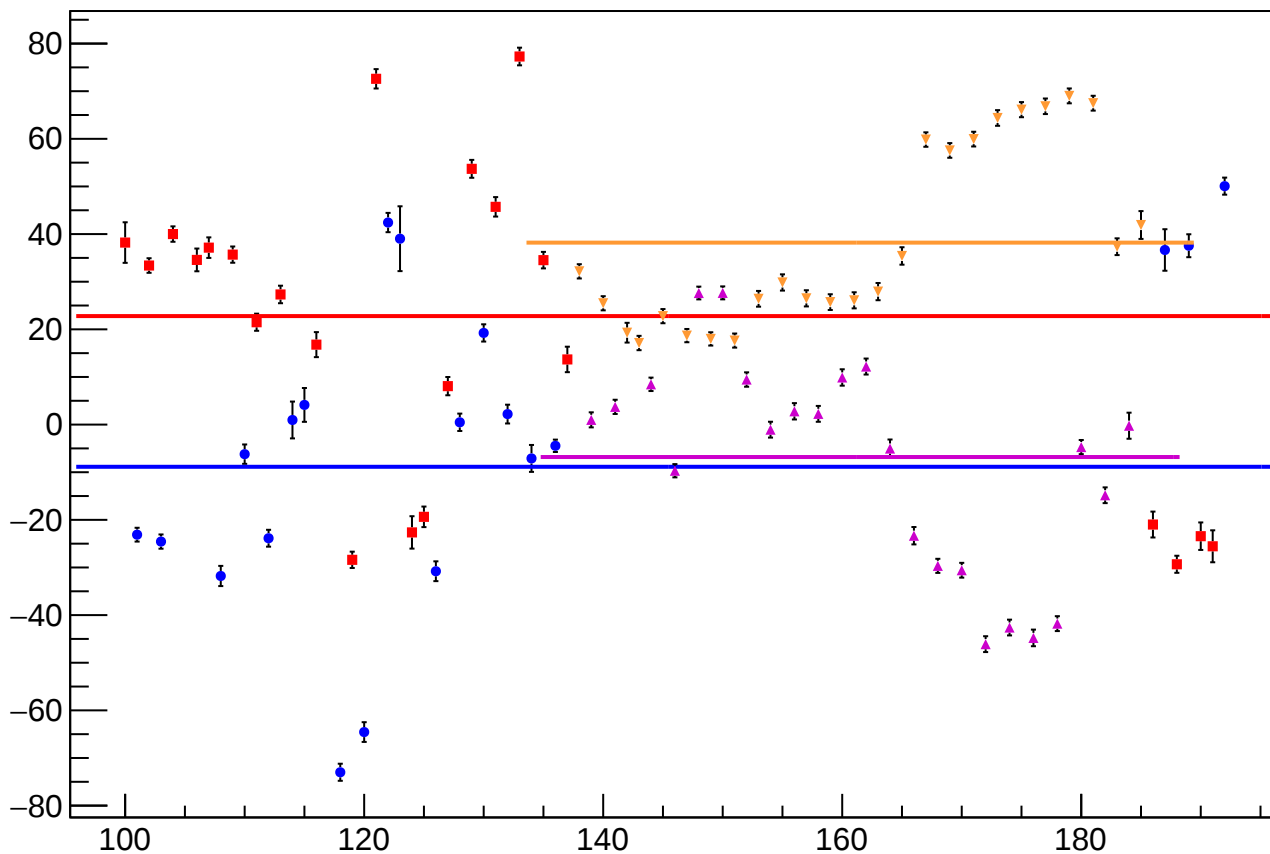
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF:299514.0/22

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

All: 1588.553 $\pm$ 0.156 χ^2 /NDF: 2462523.9/90

- sign 1580.650 $\pm$ 0.220 χ^2 /NDF: 1247272.8/45

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: 22.782 ± 0.429 χ^2/NDF : 5310.4/22

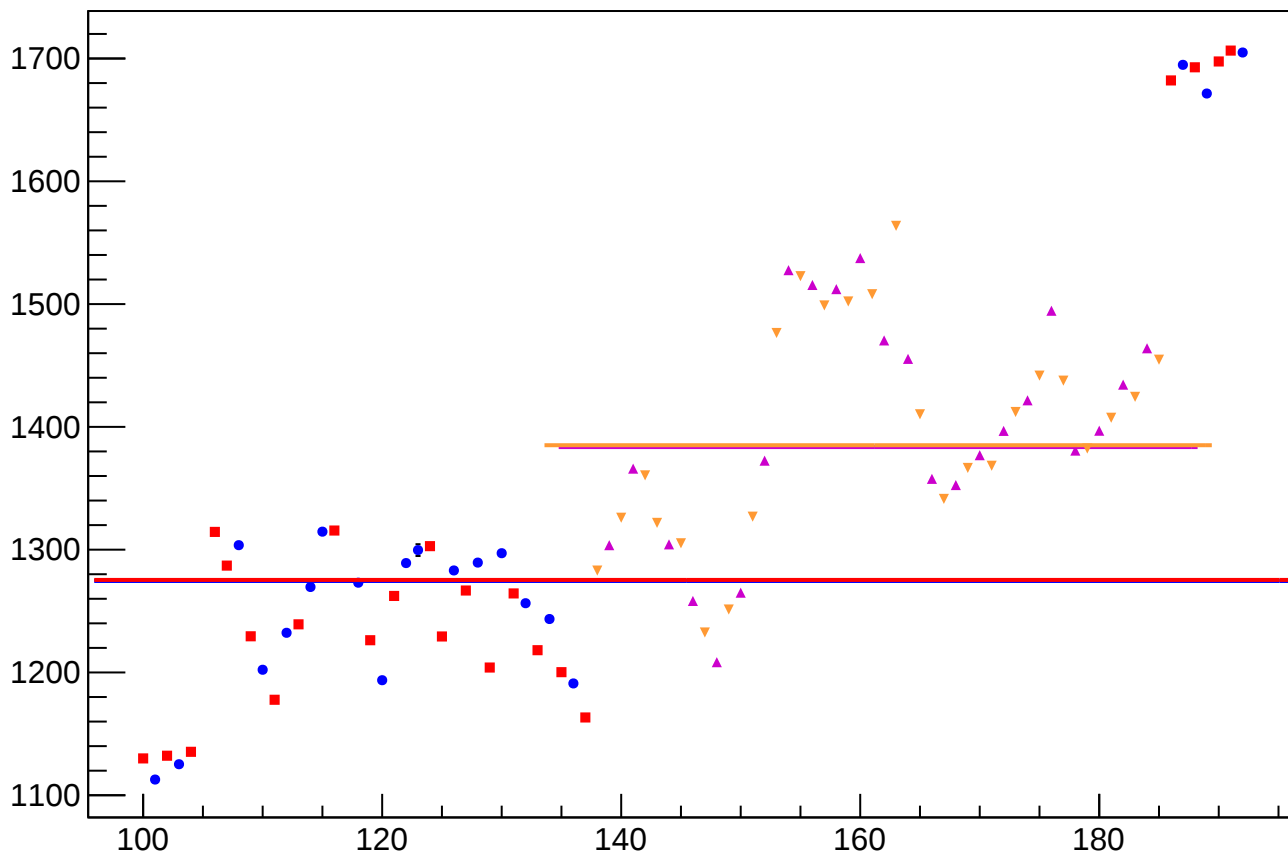
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

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

All: 13.213 ± 0.186 χ^2/NDF : 30941.5/90

- sign 4.332 ± 0.263 χ^2/NDF : 12778.1/45

diff_bpm0i02Y_rms vs Slug



Right In: 1274.503 $\pm$ 0.316 χ^2 /NDF: 249948.0/19

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

Right Out: 1275.361 $\pm$ 0.303 χ^2 /NDF: 288070.5/22

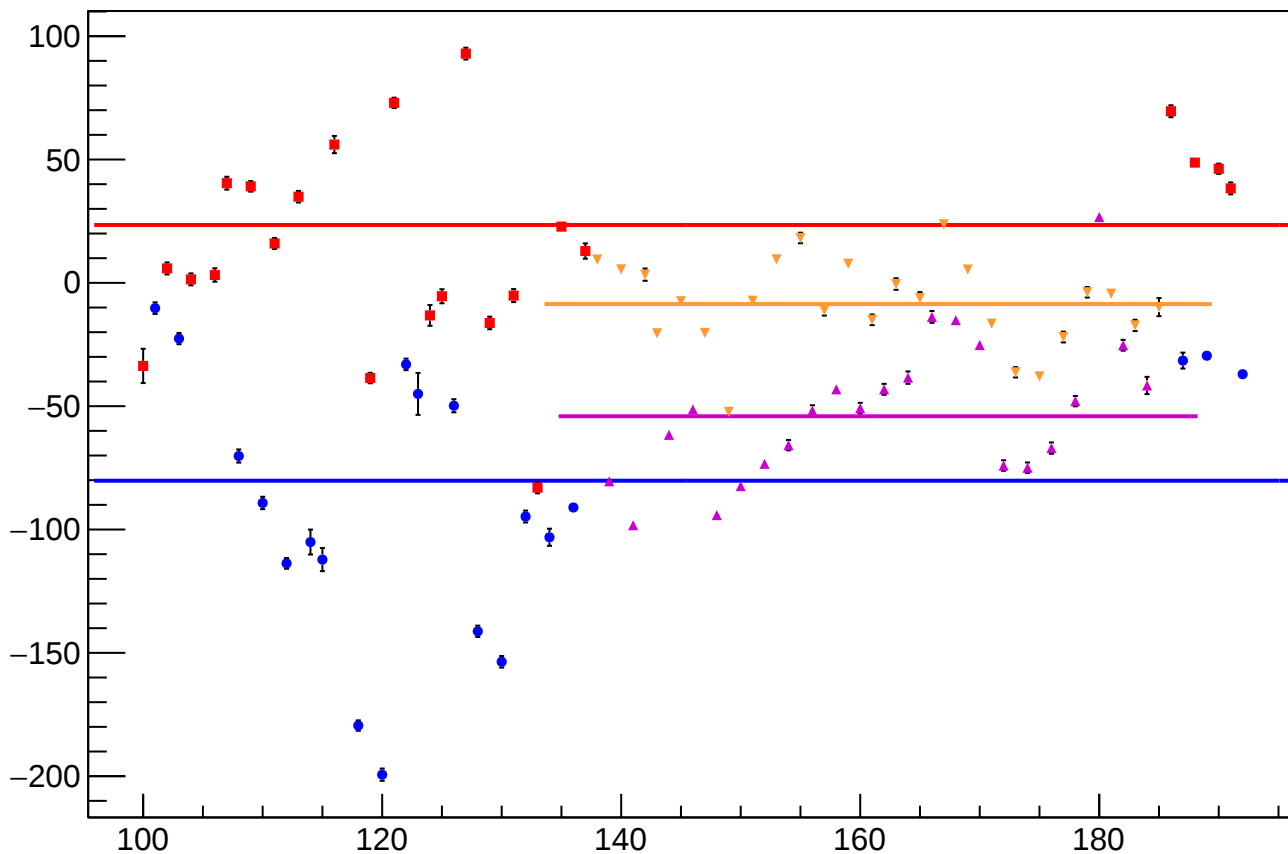
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF:154696.0/22

+ sign 1347.060 $\pm$ 0.185 χ^2 /NDF: 476308.3/44

All: 1344.949 $\pm$ 0.131 χ^2 /NDF: 998836.5/90

- sign 1342.822 $\pm$ 0.186 χ^2 /NDF: 522267.4/45

diff_bpm0i02aX_mean vs Slug



Right In: -80.211 ± 0.513 $\chi^2/\text{NDF}: 10972.8/19$

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

Right Out: 23.471 ± 0.495 $\chi^2/\text{NDF}: 6262.6/22$

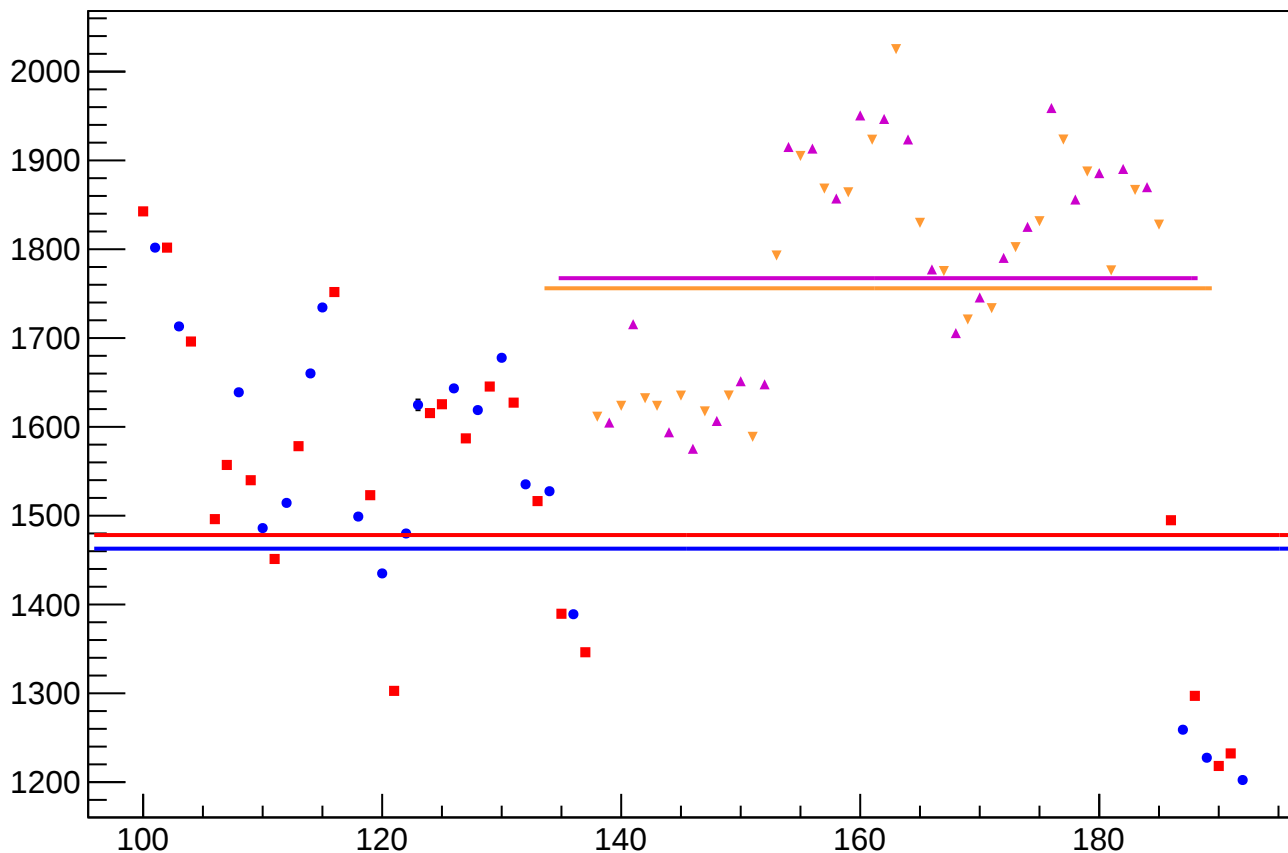
Left In: -54.089 ± 0.426 $\chi^2/\text{NDF}: 4721.6/22$

+ sign -36.534 ± 0.320 $\chi^2/\text{NDF}: 24787.0/44$

All: -28.904 ± 0.227 $\chi^2/\text{NDF}: 51013.0/90$

- sign -21.156 ± 0.323 $\chi^2/\text{NDF}: 25083.0/45$

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: 1478.194 $\pm$ 0.350 χ^2 /NDF: 213174.0/22

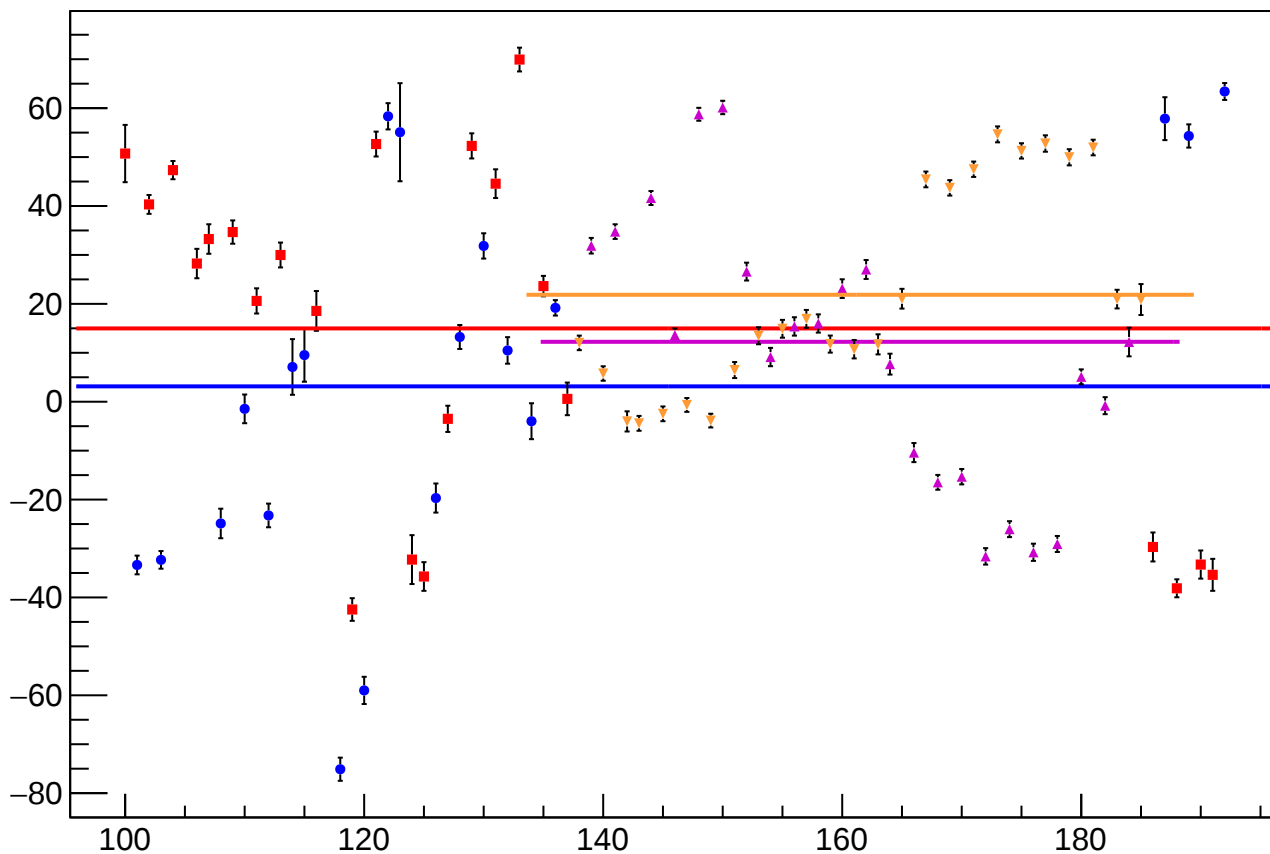
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF:187958.2/22

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

All: 1643.138 $\pm$ 0.161 χ^2 /NDF: 1625806.2/90

- sign 1644.606 $\pm$ 0.228 χ^2 /NDF: 793219.7/45

diff_bpm0i02aY_mean vs Slug



Right In: 3.137 ± 0.567 $\chi^2/\text{NDF}: 5156.3/19$

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

Right Out: 14.978 ± 0.545 $\chi^2/\text{NDF}: 4393.2/22$

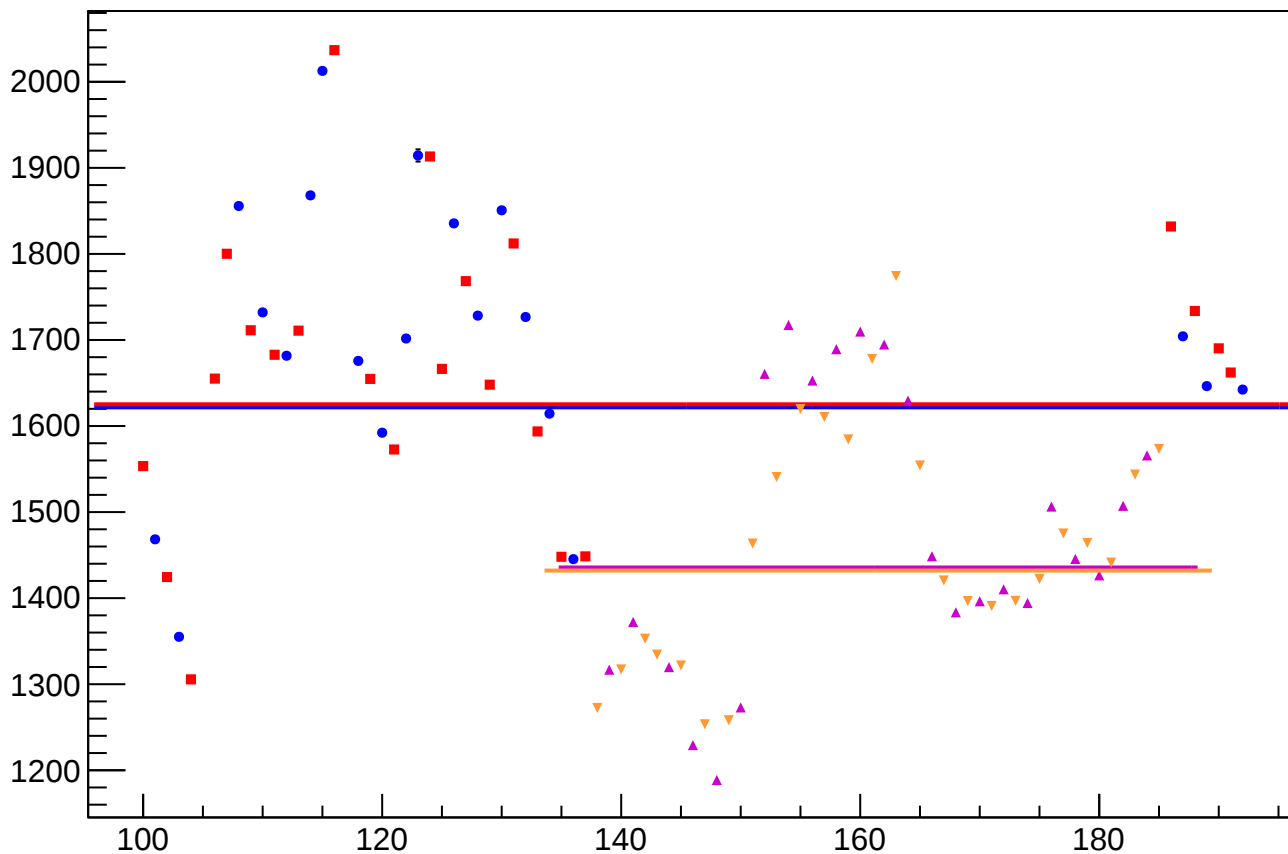
Left In: 12.246 ± 0.347 $\chi^2/\text{NDF}: 6781.6/22$

+ sign 17.011 ± 0.289 $\chi^2/\text{NDF}: 10073.4/44$

All: 15.050 ± 0.206 $\chi^2/\text{NDF}: 21359.7/90$

- sign 13.034 ± 0.293 $\chi^2/\text{NDF}: 11192.7/45$

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: 1625.265 $\pm$ 0.385 χ^2 /NDF: 174790.4/22

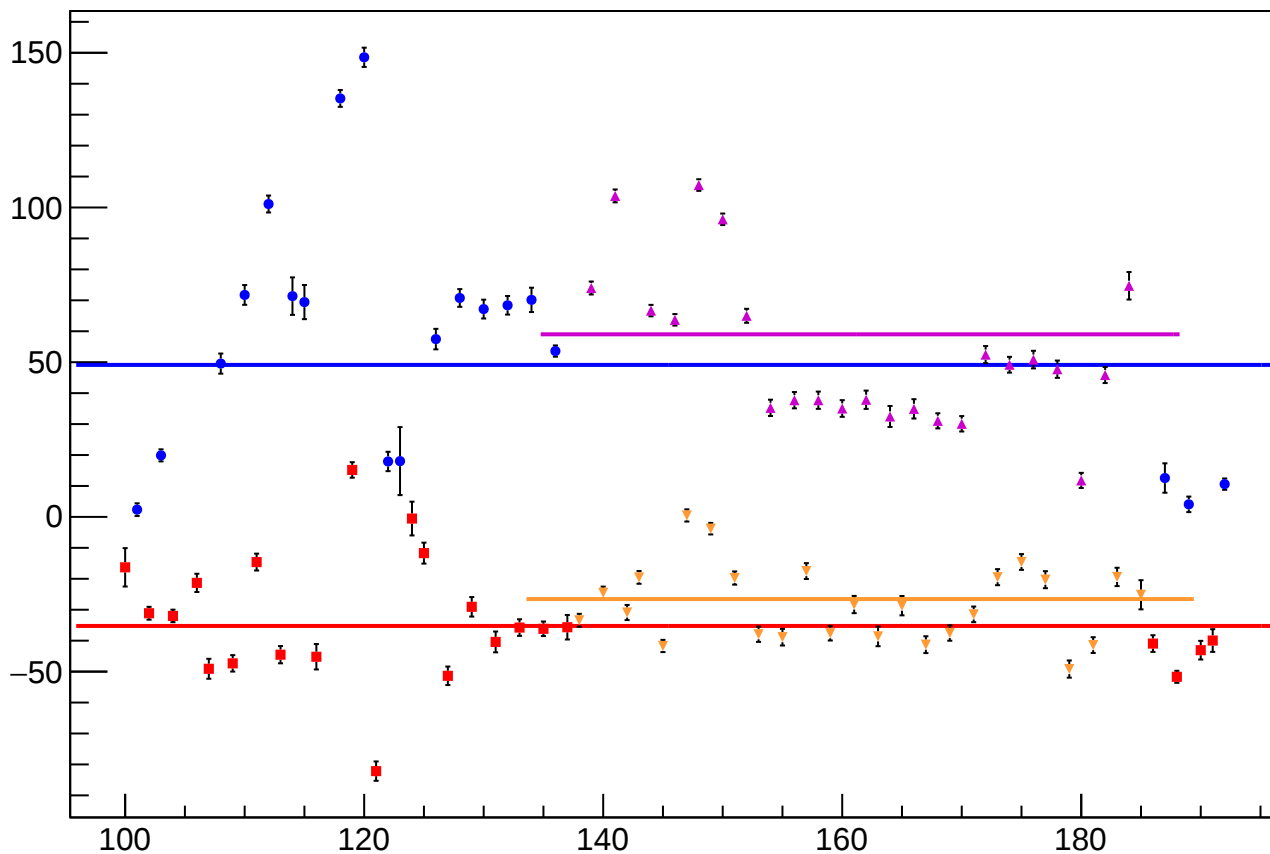
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

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

All: 1485.707 $\pm$ 0.145 χ^2 /NDF: 1382606.9/90

- sign 1490.380 $\pm$ 0.207 χ^2 /NDF: 767965.3/45

diff_bpm0i05X_mean vs Slug



Right In: 49.124 ± 0.628 χ^2/NDF : 4317.8/19

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

Right Out: -35.242 ± 0.594 χ^2/NDF : 990.4/22

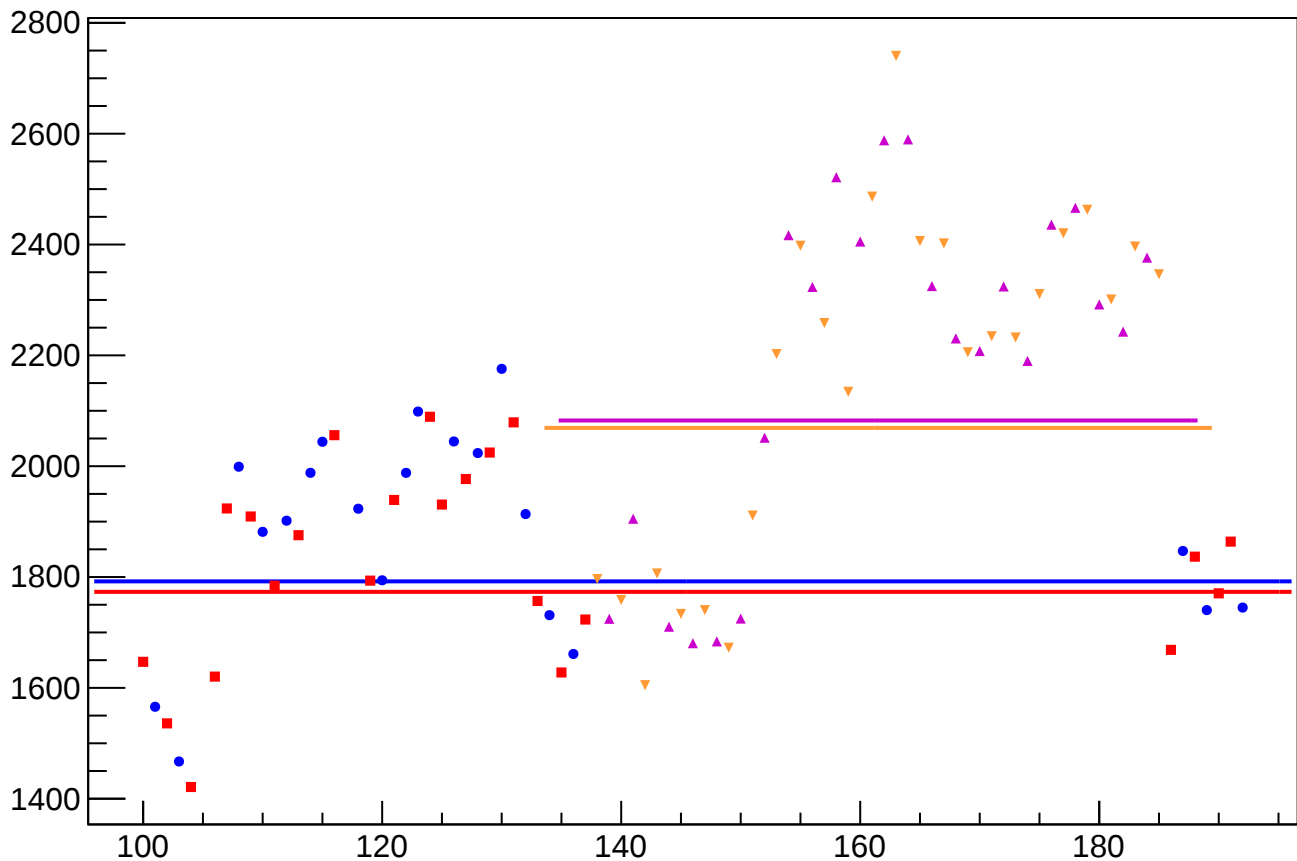
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

+ sign 1.951 ± 0.385 χ^2/NDF : 14099.0/44

All: 10.652 ± 0.272 χ^2/NDF : 33465.9/90

- sign 19.366 ± 0.385 χ^2/NDF : 18345.5/45

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: 1773.292+/-0.420 χ^2/NDF : 184246.3/22

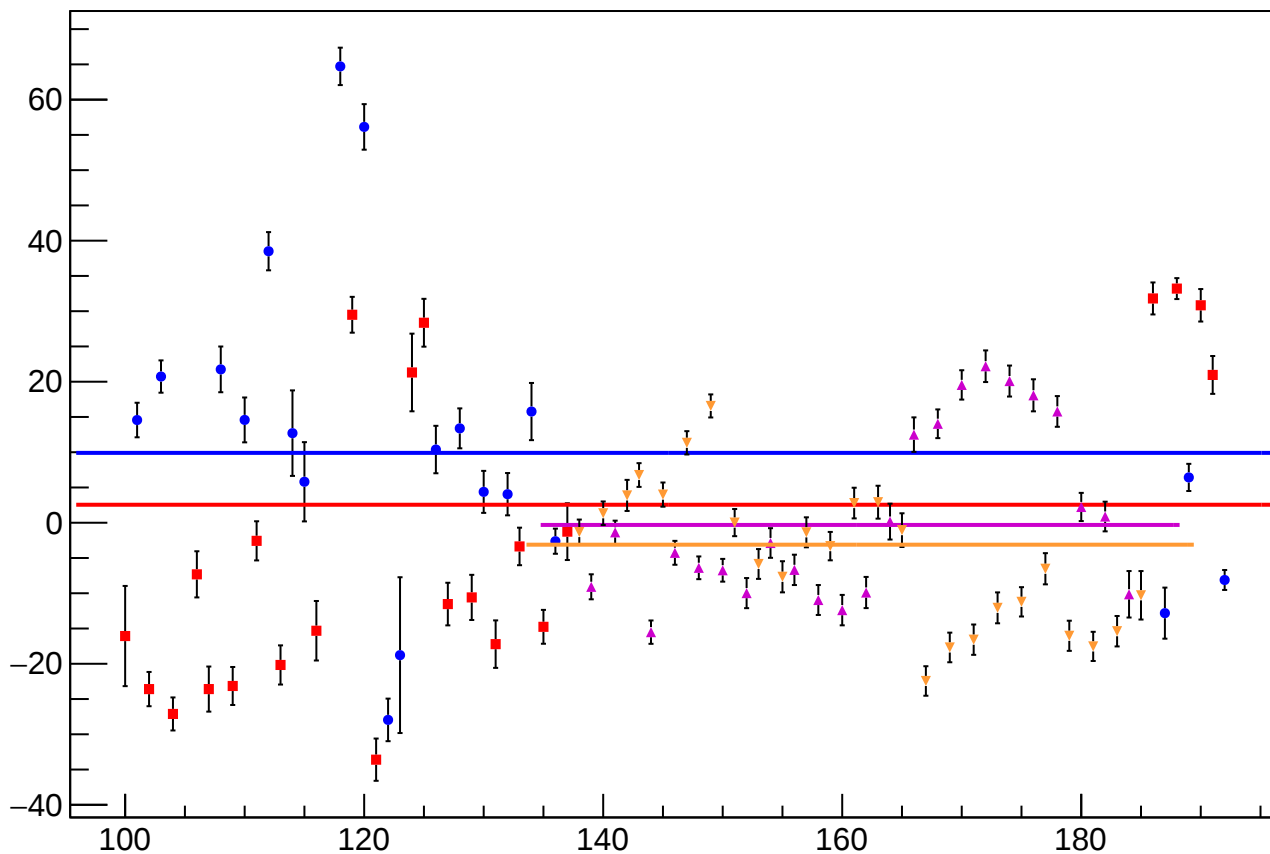
Left In: 2082.497+/-0.358 χ^2/NDF : 785304.0/22

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

All: 1958.632+/-0.193 χ^2/NDF : 2512439.7/90

- sign 1952.434+/-0.273 χ^2/NDF : 1283171.5/45

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: 2.552 ± 0.573 $\chi^2/\text{NDF}: 1786.8/22$

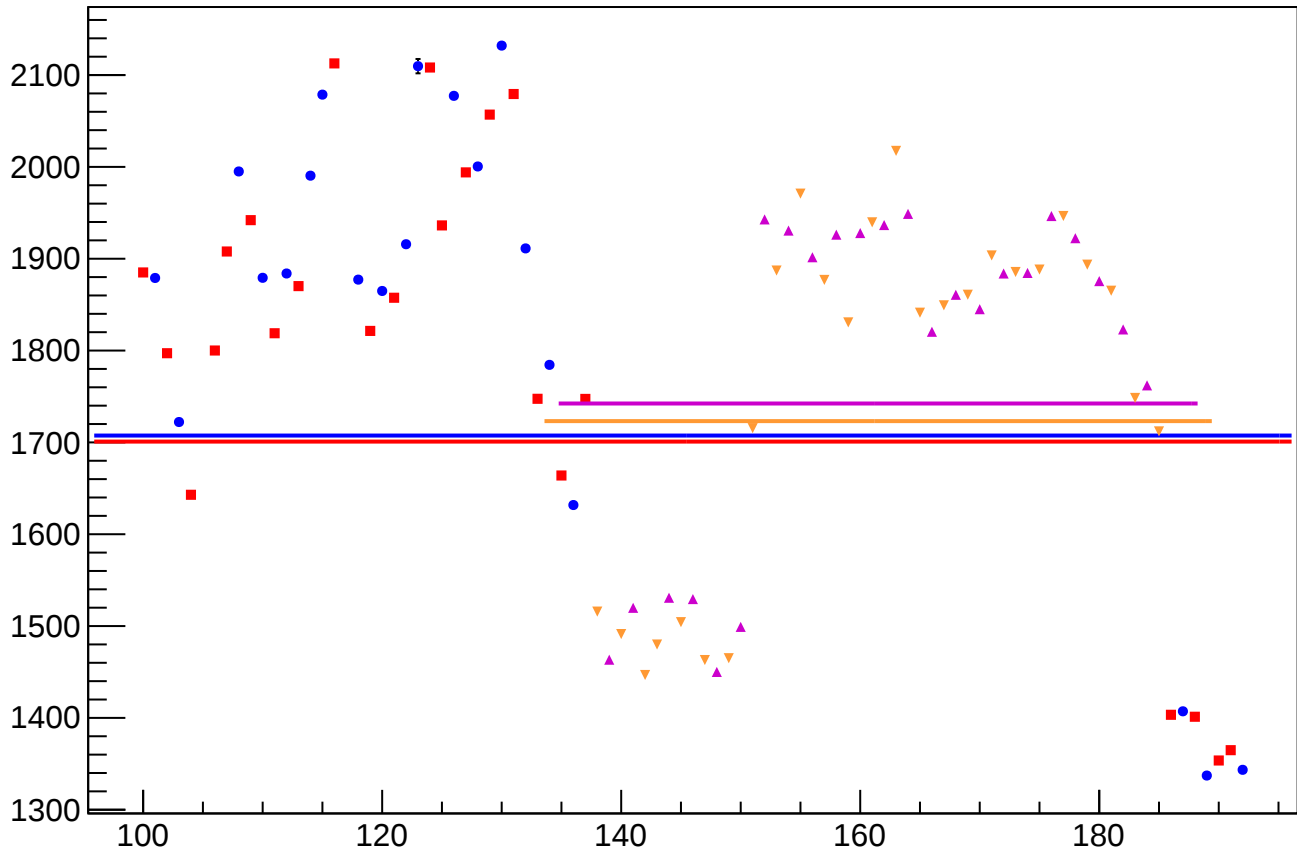
Left In: -0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

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

All: 0.816 ± 0.239 $\chi^2/\text{NDF}: 4721.4/90$

- sign -0.693 ± 0.339 $\chi^2/\text{NDF}: 2539.5/45$

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: 1700.880+/-0.405 χ^2/NDF : 355387.2/22

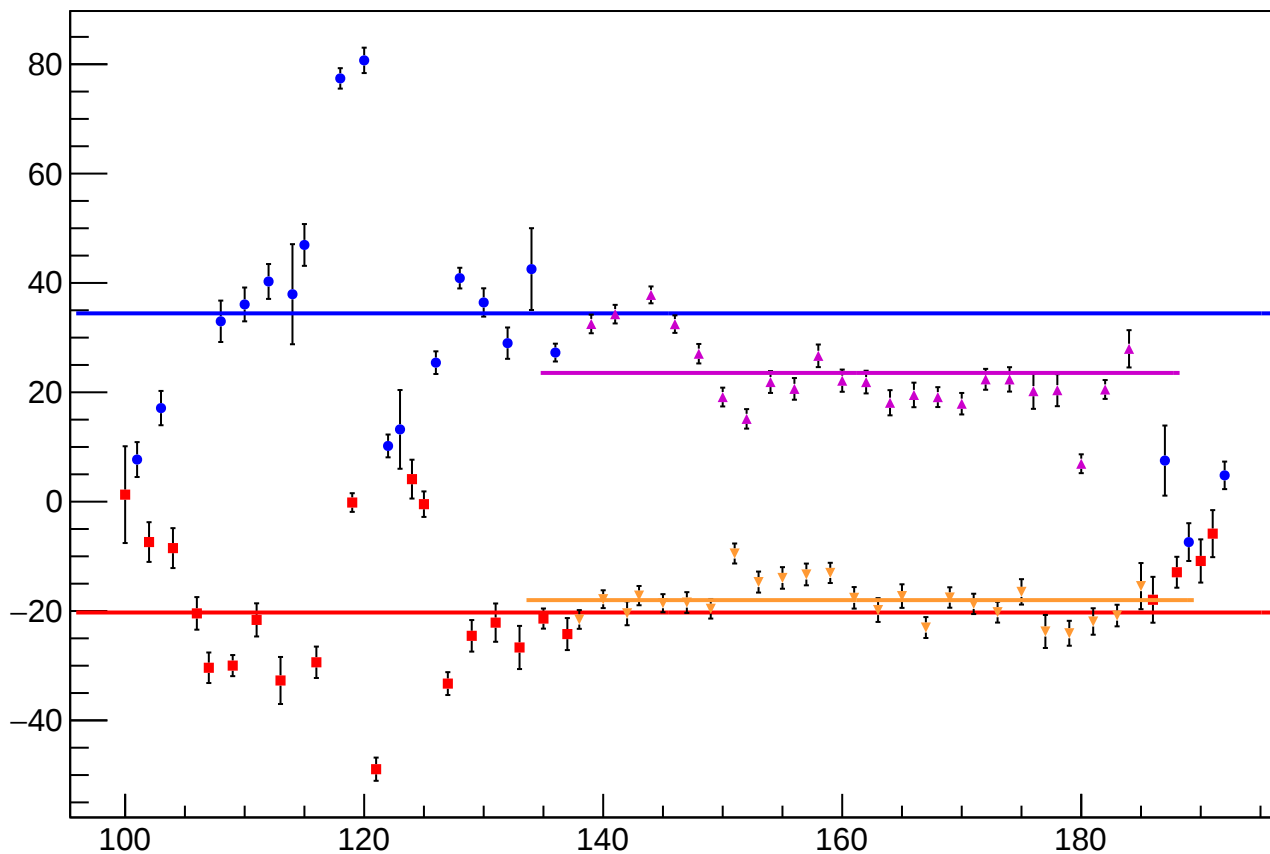
Left In: 1742.354+/-0.298 χ^2/NDF : 435841.5/22

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

All: 1722.989+/-0.169 χ^2/NDF : 1675677.0/90

- sign 1727.801+/-0.240 χ^2/NDF : 798036.8/45

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: -20.273 ± 0.578 χ^2/NDF : 596.2/22

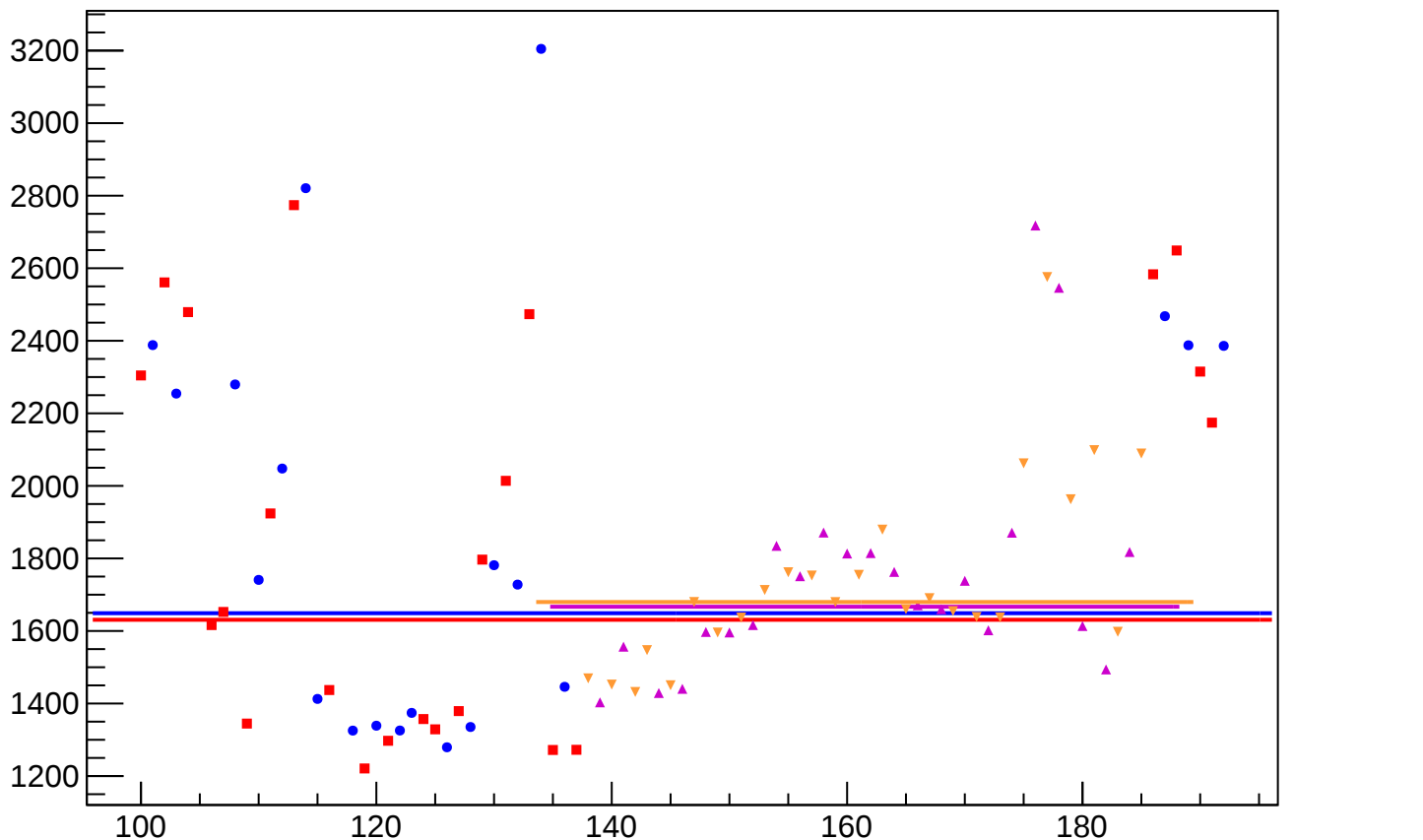
Left In: 23.544 ± 0.406 χ^2/NDF : 346.7/22

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

All: 3.394 ± 0.235 χ^2/NDF : 12230.5/90

- sign 9.091 ± 0.332 χ^2/NDF : 4791.7/45

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

+ sign 1670.581+/-0.235 χ^2/NDF : 1521894.1/44

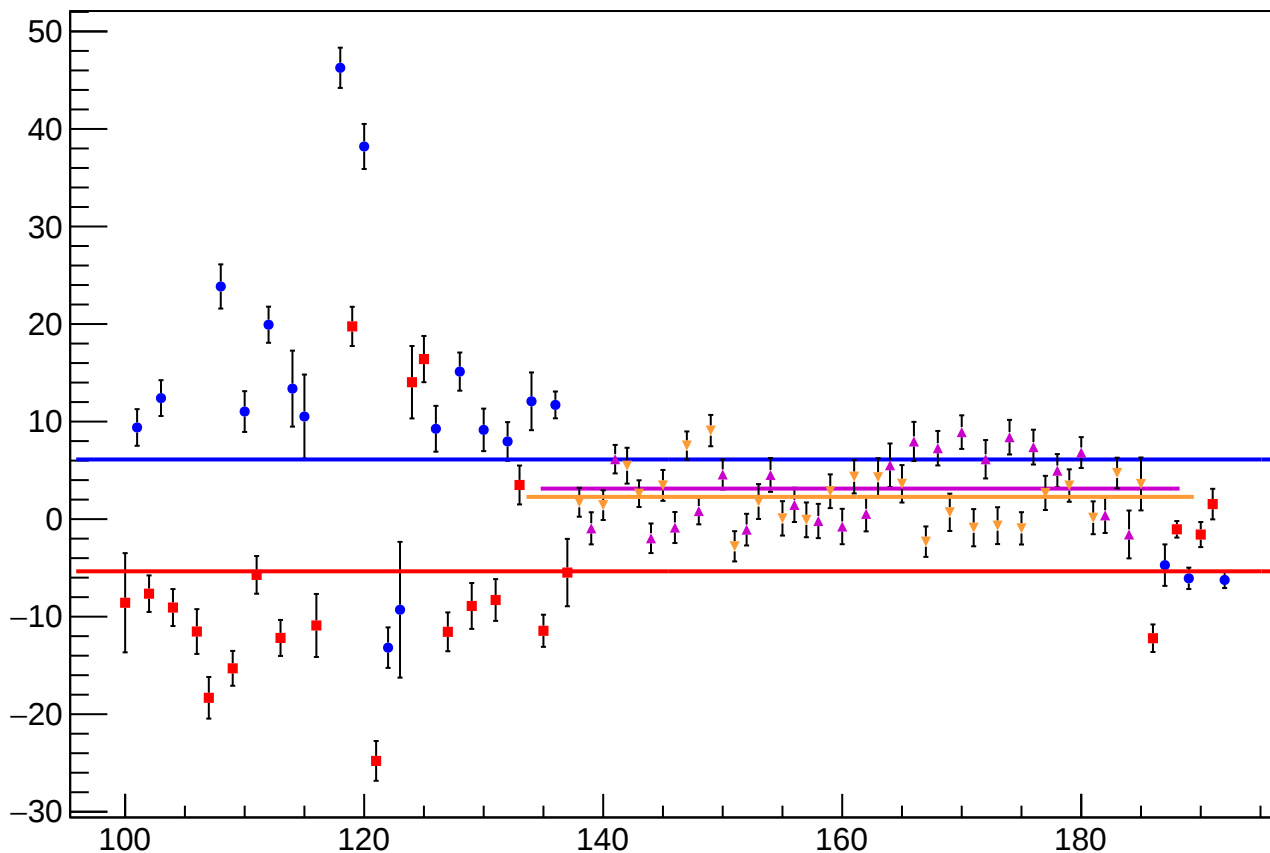
Right Out: 1630.832+/-0.409 χ^2/NDF : 1384832.0/22

All: 1662.766+/-0.166 χ^2/NDF : 3565125.4/90

- sign 1654.948+/-0.235 χ^2/NDF : 2041014.6/45

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

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: -5.351 ± 0.379 χ^2/NDF : 580.6/22

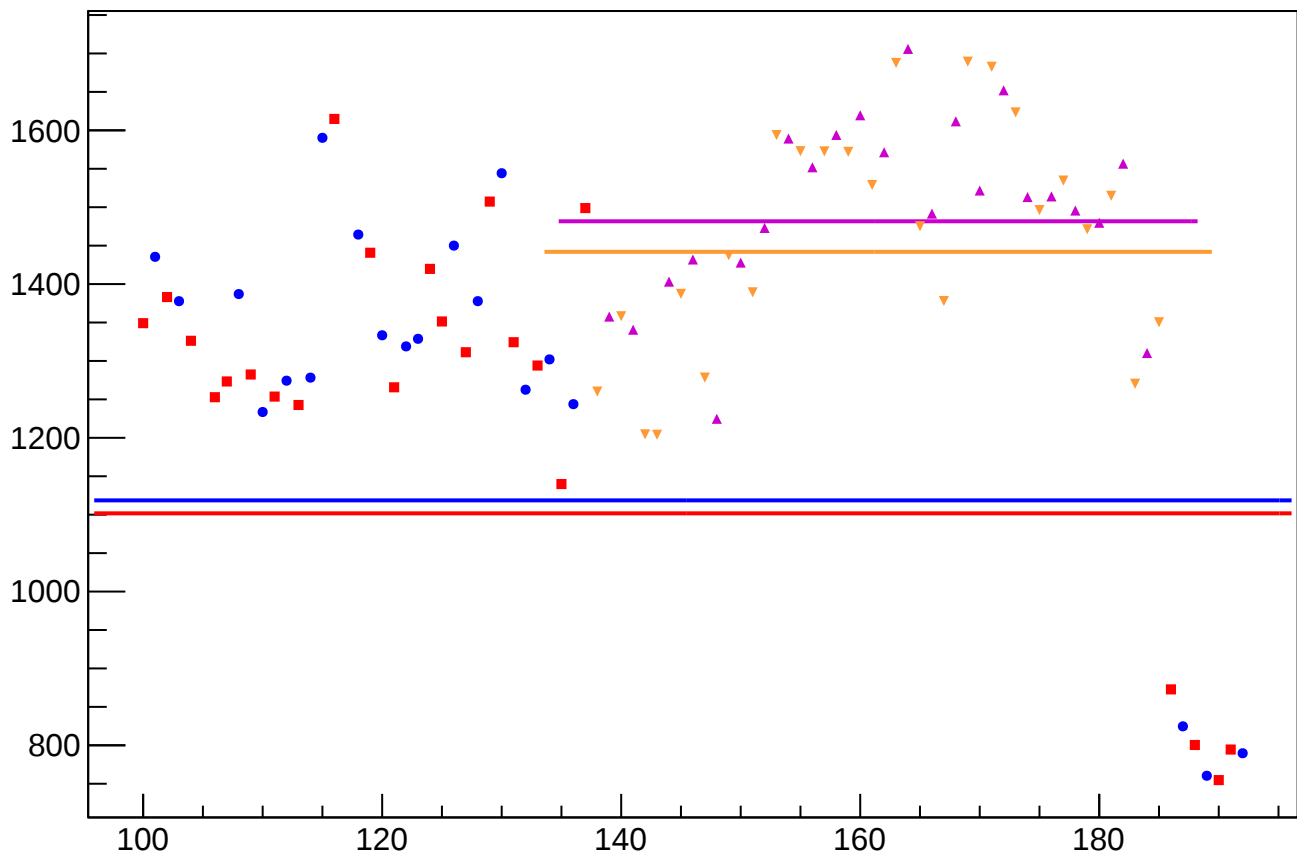
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 3.863 ± 0.259 χ^2/NDF : 1350.6/44

All: 1.503 ± 0.184 χ^2/NDF : 2465.9/90

- sign -0.871 ± 0.260 χ^2/NDF : 949.1/45

diff_bpm0i07Y_rms vs Slug



Right In: 1118.623+/-0.285 χ^2/NDF : 1017903.2/19

Left Out: 1441.951+/-0.239 χ^2/NDF : 370617.4/24

Right Out: 1101.742+/-0.268 χ^2/NDF : 977941.9/22

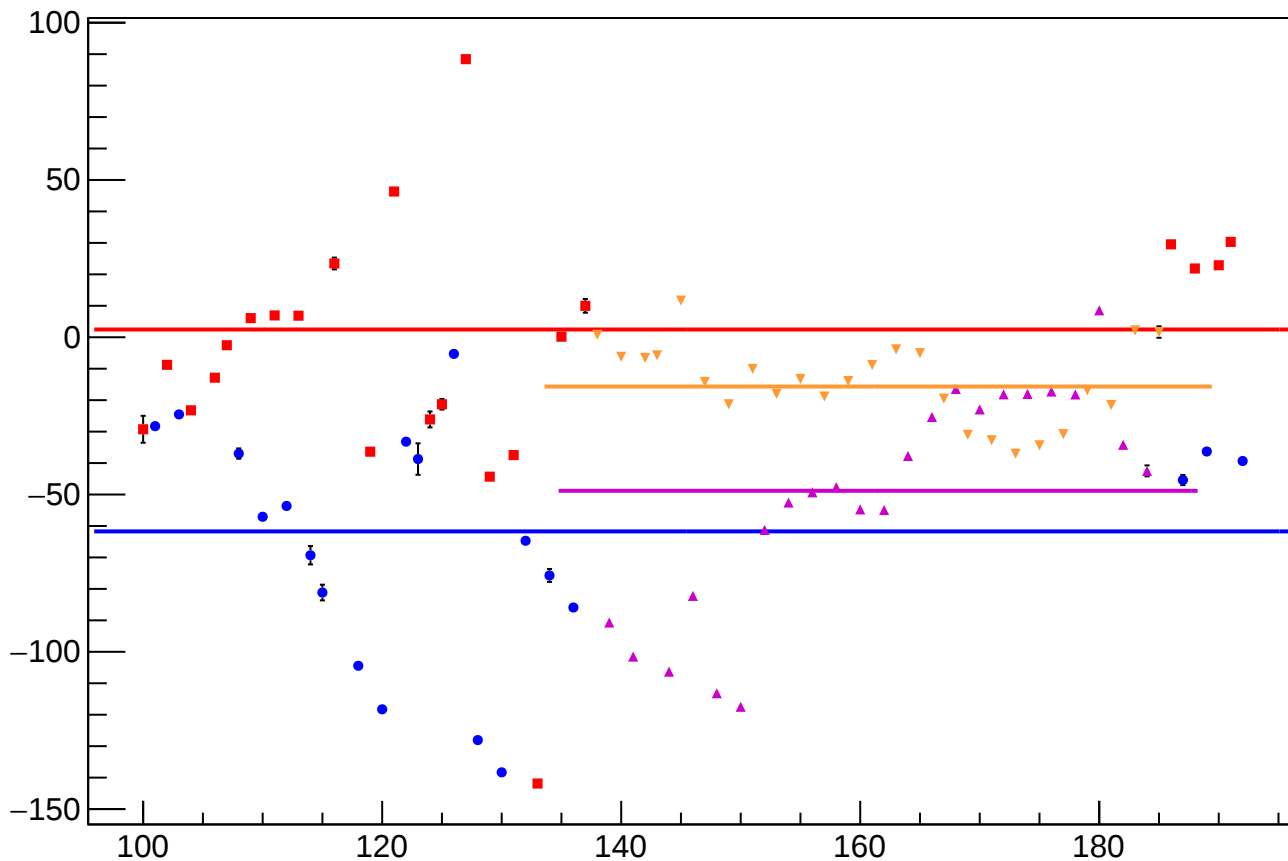
Left In: 1481.695+/-0.253 χ^2/NDF : 208470.6/22

+ sign 1308.485+/-0.183 χ^2/NDF : 2142888.4/44

All: 1305.502+/-0.130 χ^2/NDF : 4394459.5/90

- sign 1302.502+/-0.184 χ^2/NDF : 2251039.9/45

diff_bpm1i02X_mean vs Slug



Right In: -61.717 ± 0.298 $\chi^2/\text{NDF}: 14427.2/19$

Left Out: -15.666 ± 0.212 $\chi^2/\text{NDF}: 3518.1/24$

Right Out: 2.469 ± 0.280 $\chi^2/\text{NDF}: 21896.9/22$

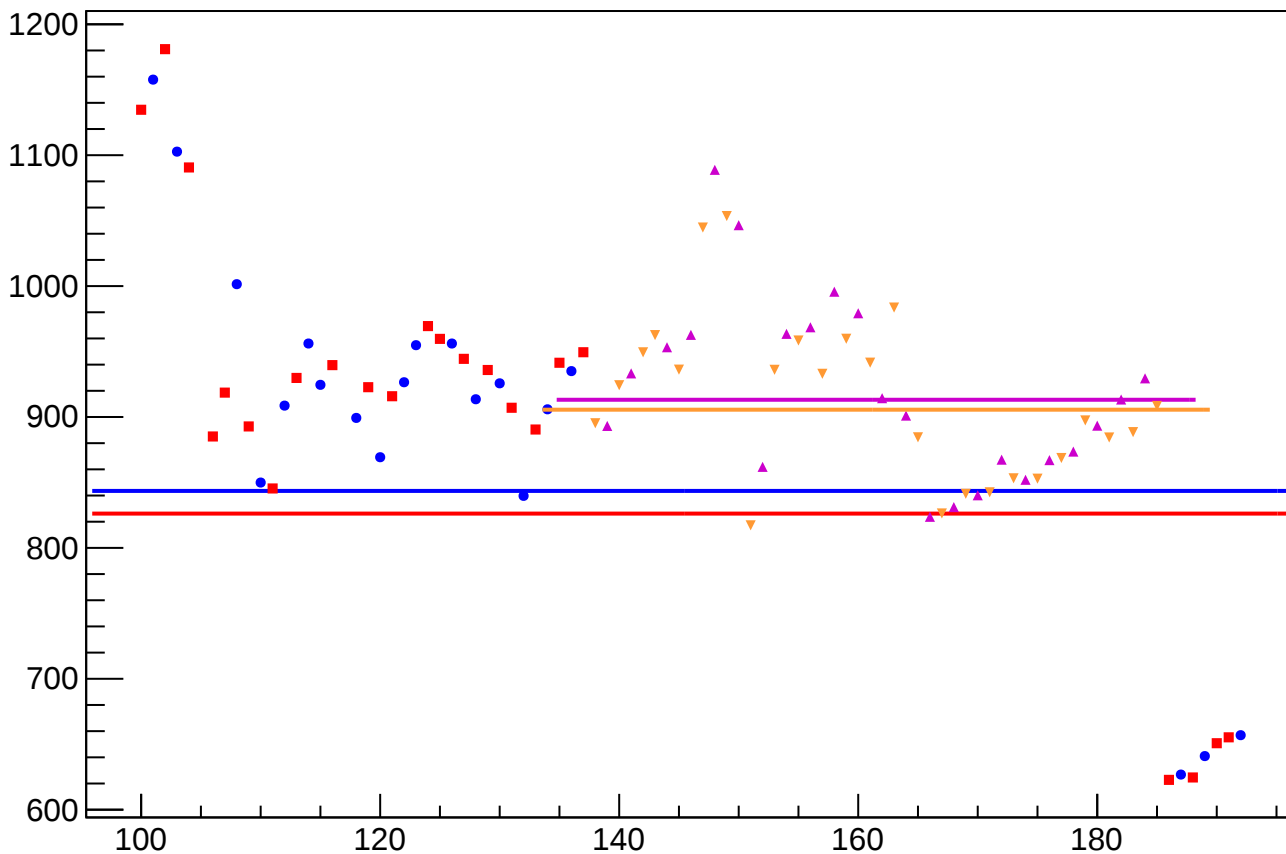
Left In: -48.812 ± 0.220 $\chi^2/\text{NDF}: 25260.8/22$

+ sign -31.083 ± 0.173 $\chi^2/\text{NDF}: 33814.2/44$

All: -30.187 ± 0.122 $\chi^2/\text{NDF}: 101738.5/90$

- sign -29.286 ± 0.173 $\chi^2/\text{NDF}: 67870.2/45$

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: 826.202 $\pm$ 0.198 χ^2 /NDF: 648582.8/22

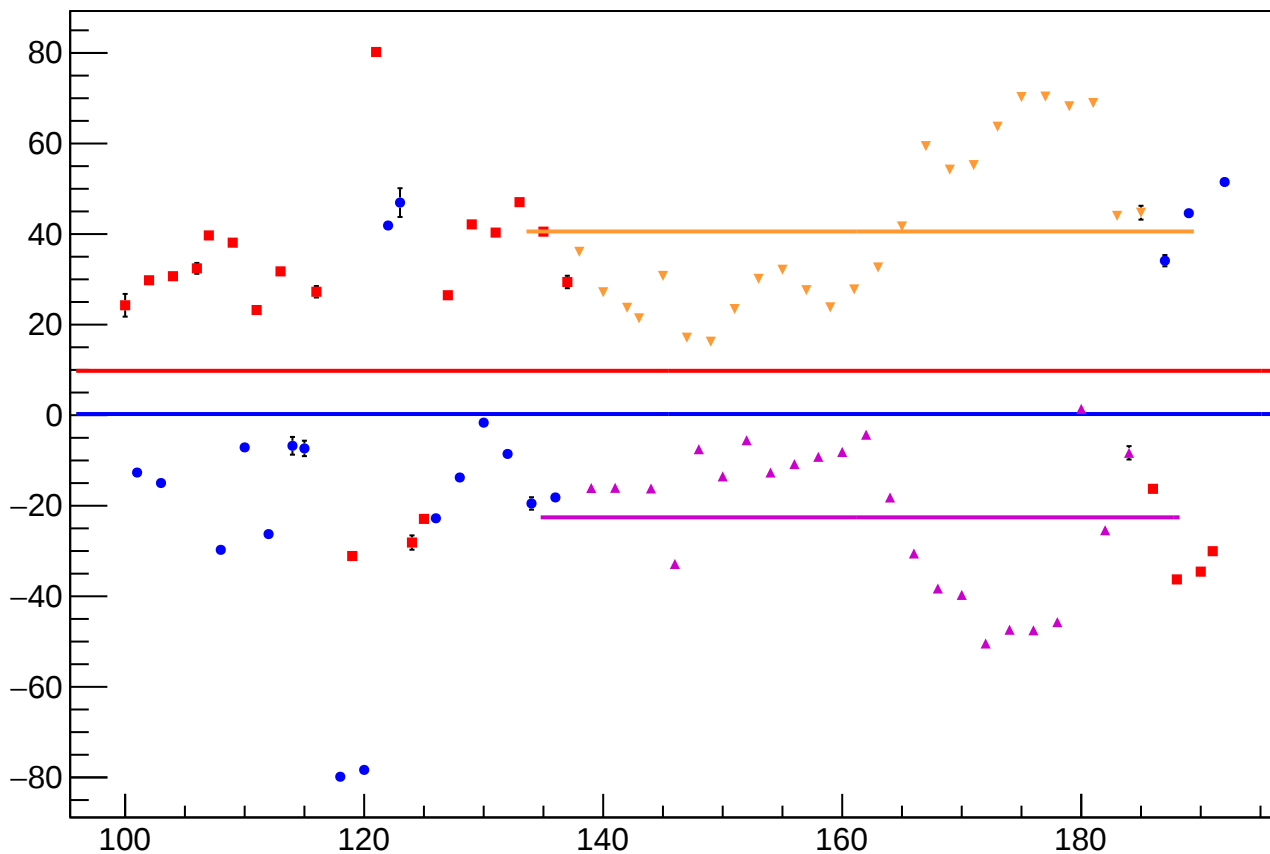
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF:174438.8/22

+ sign 884.804 $\pm$ 0.122 χ^2 /NDF: 730980.9/44

All: 882.435 $\pm$ 0.086 χ^2 /NDF: 1673884.1/90

- sign 880.053 $\pm$ 0.122 χ^2 /NDF: 942146.8/45

diff_bpm1i02Y_mean vs Slug



Right In: 0.255 $\pm$ 0.205 χ^2 /NDF: 34522.8/19

Left Out: 40.573 $\pm$ 0.168 χ^2 /NDF:12079.0/24

Right Out: 9.801 $\pm$ 0.196 χ^2 /NDF: 32782.5/22

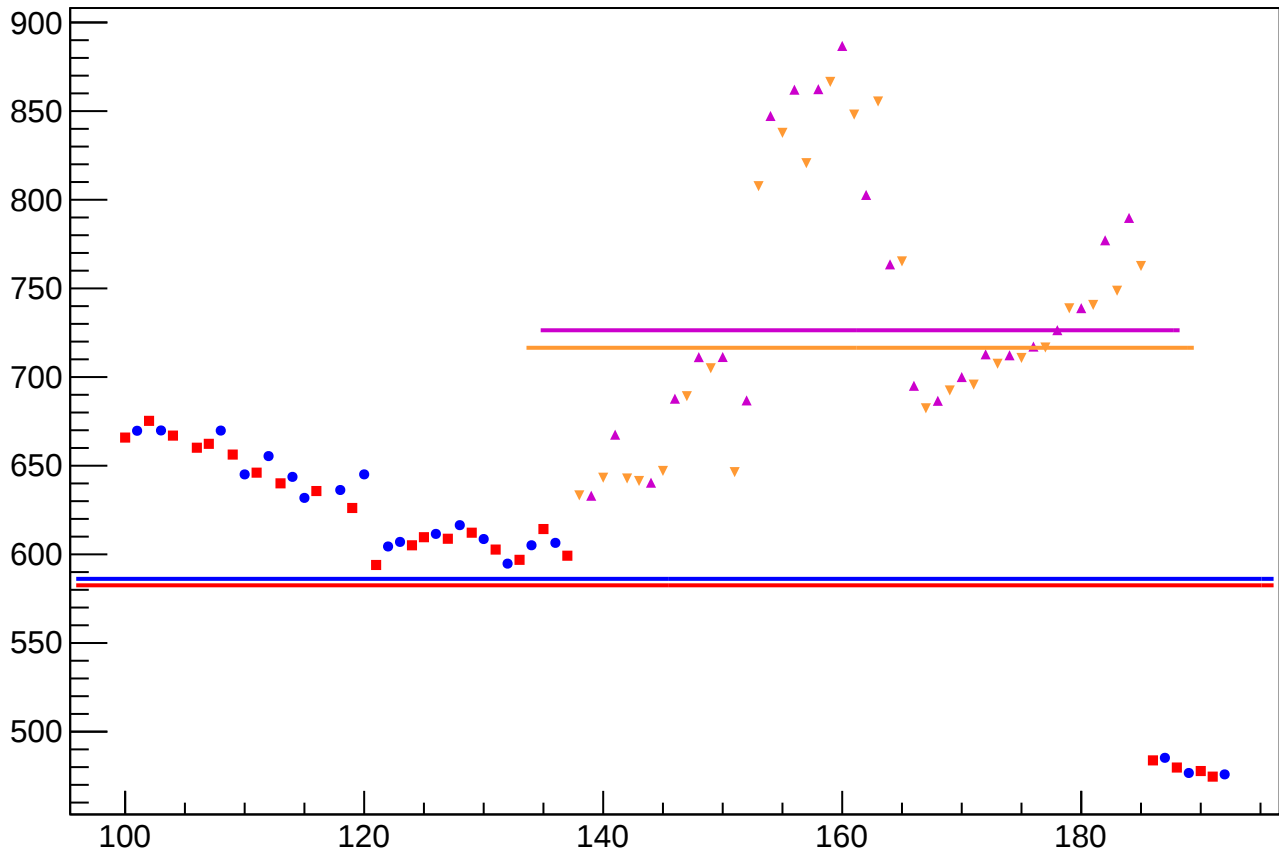
Left In: -22.565 $\pm$ 0.175 χ^2 /NDF:8167.7/22

+ sign 24.436 $\pm$ 0.130 χ^2 /NDF: 69697.6/44

All: 8.213 $\pm$ 0.092 χ^2 /NDF: 157124.0/90

- sign -8.146 $\pm$ 0.131 χ^2 /NDF: 56140.2/45

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: 582.536 $\pm$ 0.138 χ^2 /NDF: 278252.3/22

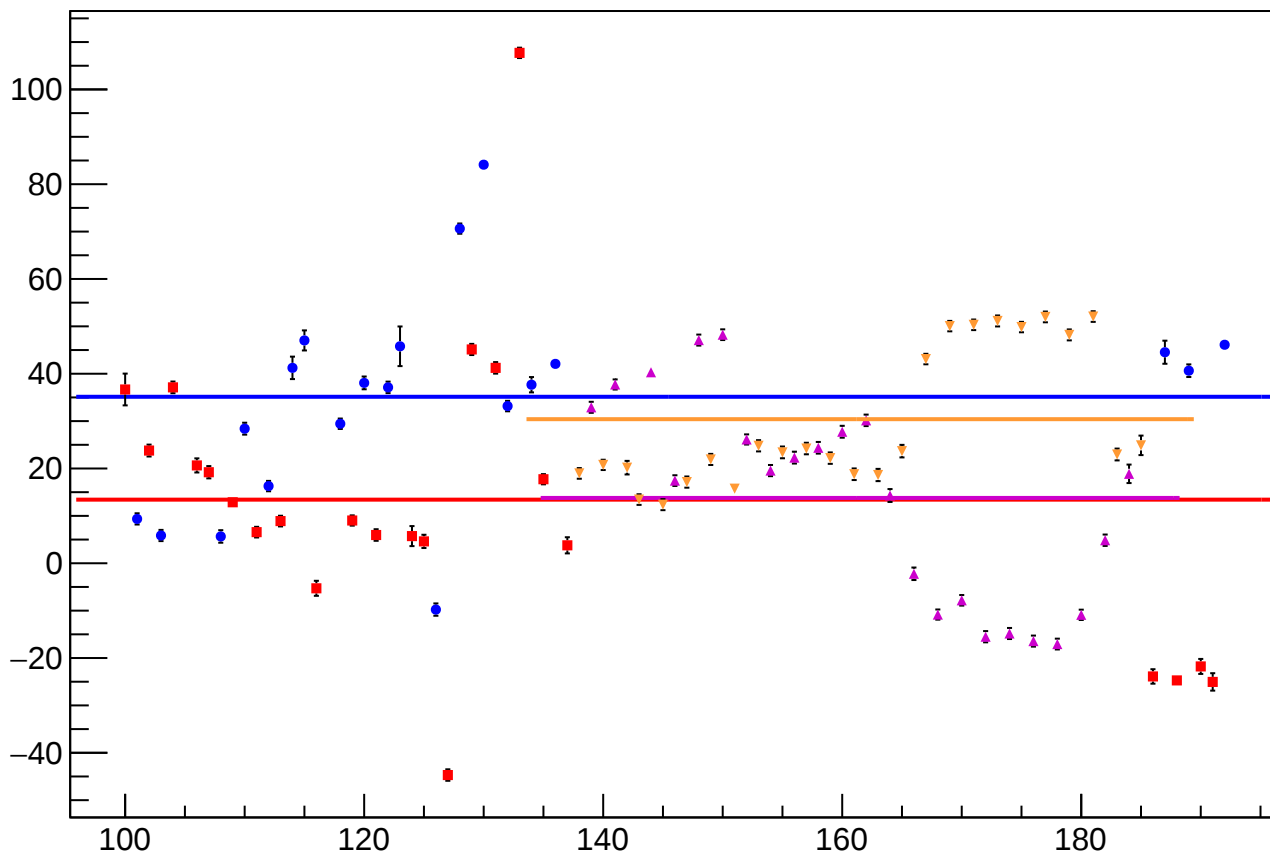
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF:289788.8/22

+ sign 664.351 $\pm$ 0.092 χ^2 /NDF: 1074616.0/44

All: 663.331 $\pm$ 0.065 χ^2 /NDF: 2243041.0/90

- sign 662.302 $\pm$ 0.092 χ^2 /NDF: 1168177.7/45

diff_bpm1i04X_mean vs Slug



Right In: 35.136+/-0.279 χ^2 /NDF: 6607.5/19

Left Out: 30.408+/-0.237 χ^2 /NDF: 3808.0/24

Right Out: 13.426+/-0.269 χ^2 /NDF: 14839.5/22

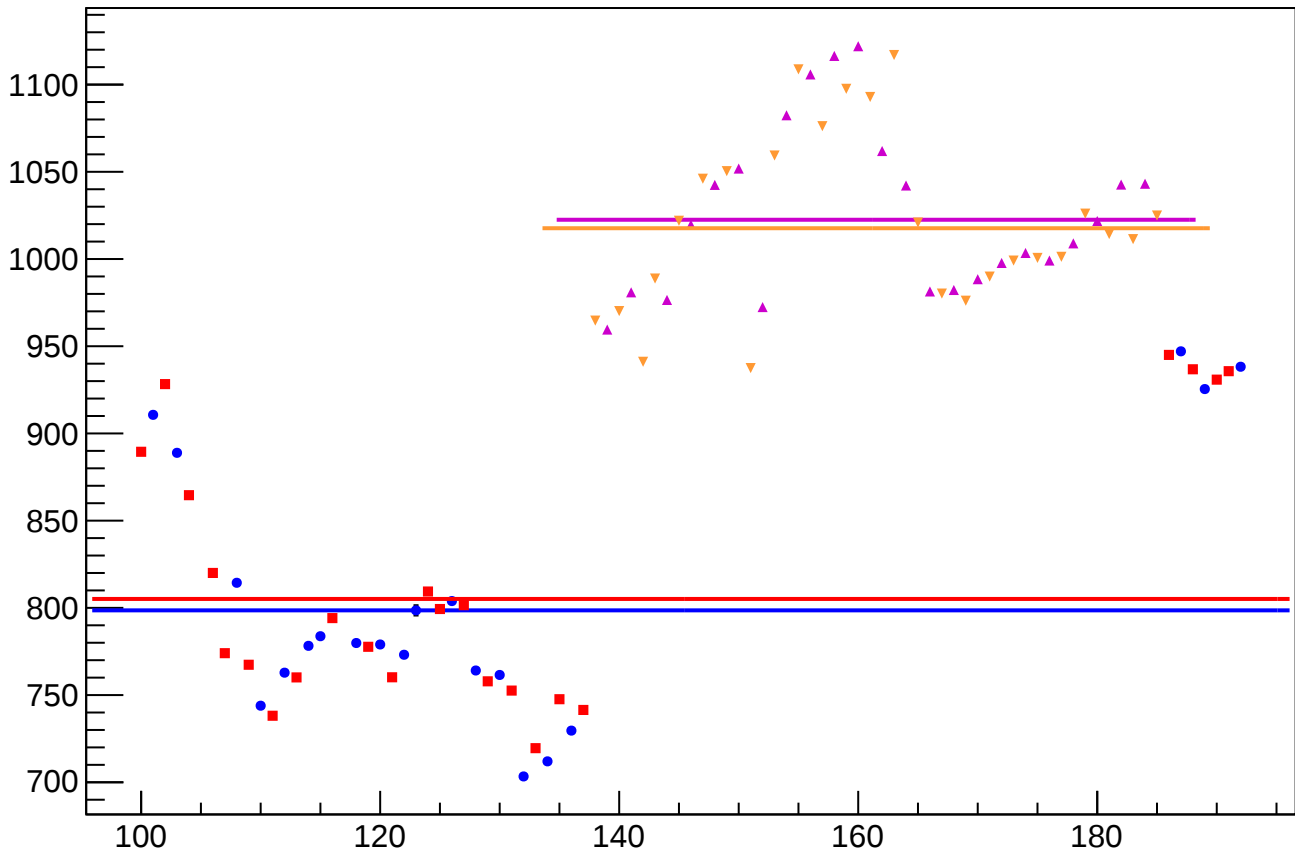
Left In: 13.787+/-0.246 χ^2 /NDF: 7979.7/22

+ sign 32.393+/-0.181 χ^2 /NDF: 10582.1/44

All: 23.047+/-0.128 χ^2 /NDF: 38768.2/90

- sign 13.623+/-0.182 χ^2 /NDF: 22820.2/45

diff_bpm1i04X_rms vs Slug



Right In: 798.570 $\pm$ 0.197 χ^2 /NDF: 143657.9/19

Left Out: 1017.653 $\pm$ 0.168 χ^2 /NDF:83612.5/24

Right Out: 805.113 $\pm$ 0.190 χ^2 /NDF: 145771.1/22

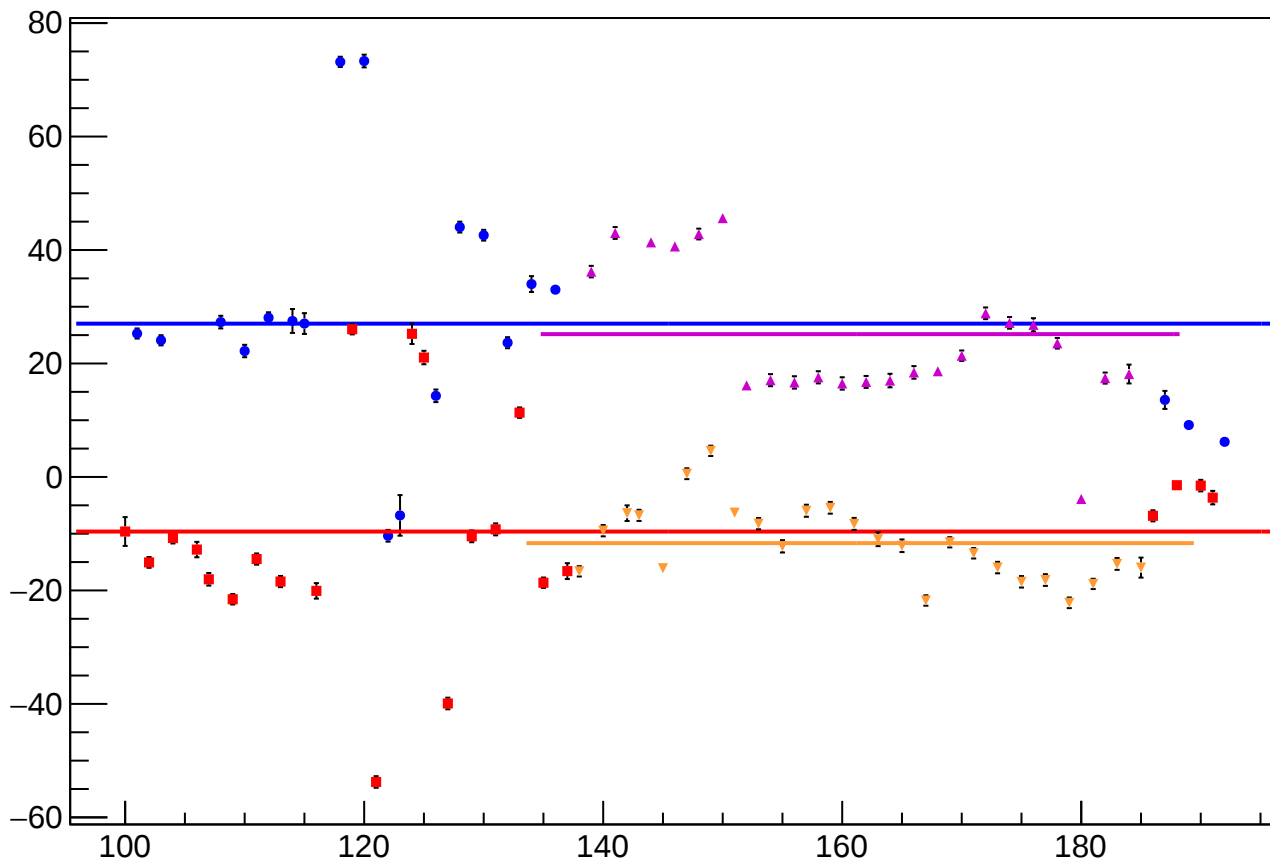
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF:69635.5/22

+ sign 925.669 $\pm$ 0.128 χ^2 /NDF: 942412.9/44

All: 924.693 $\pm$ 0.091 χ^2 /NDF: 1868802.6/90

- sign 923.709 $\pm$ 0.128 χ^2 /NDF: 926272.7/45

diff_bpm1i04Y_mean vs Slug



Right In: 27.021 ± 0.223 $\chi^2/\text{NDF}: 8230.6/19$

Left Out: -11.664 ± 0.200 $\chi^2/\text{NDF}: 1147.4/24$

Right Out: -9.622 ± 0.216 $\chi^2/\text{NDF}: 6643.0/22$

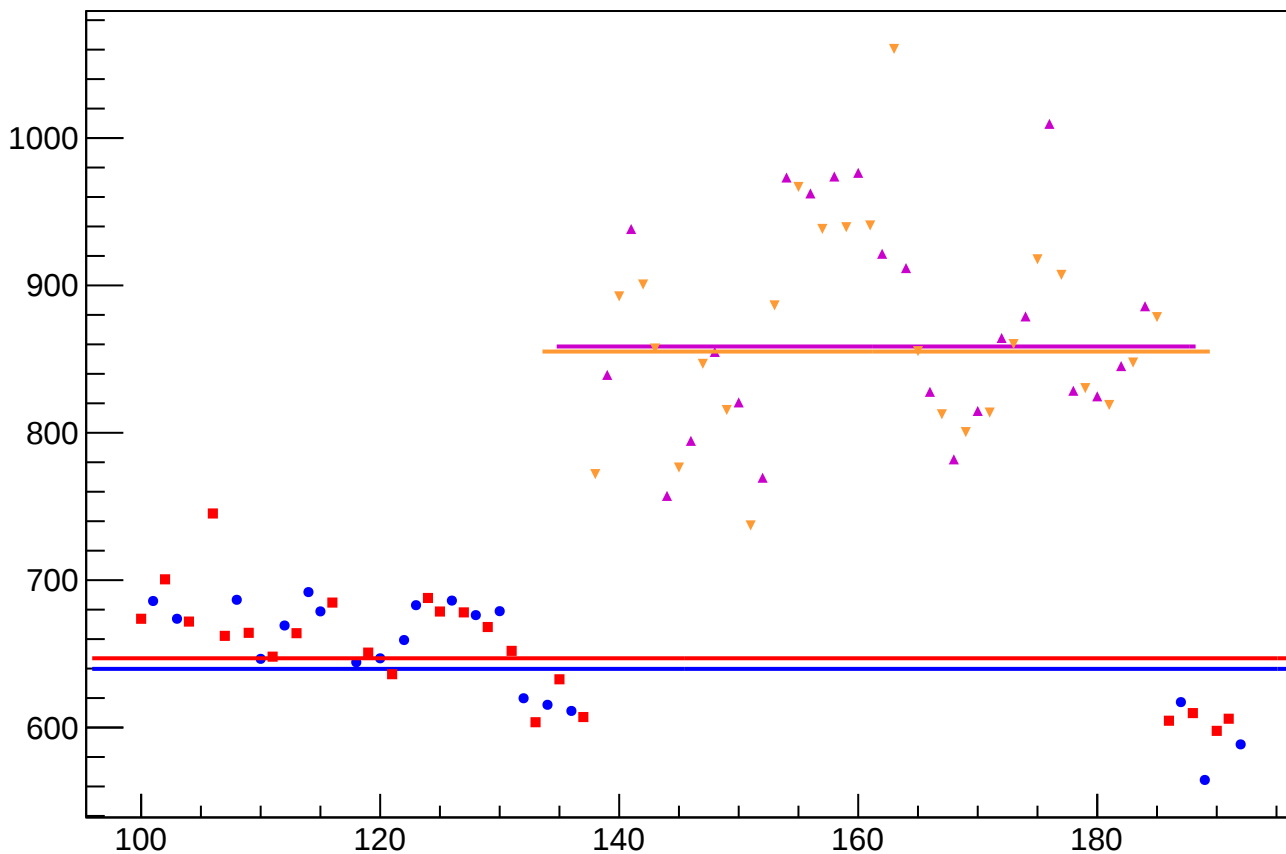
Left In: 25.174 ± 0.207 $\chi^2/\text{NDF}: 3747.1/22$

+ sign 5.594 ± 0.149 $\chi^2/\text{NDF}: 26020.8/44$

All: 7.030 ± 0.106 $\chi^2/\text{NDF}: 50107.3/90$

- sign 8.477 ± 0.150 $\chi^2/\text{NDF}: 23900.1/45$

diff_bpm1i04Y_rms vs Slug



Right In: 639.797 ± 0.158 χ^2/NDF : 62828.3/19

Left Out: 855.131 ± 0.142 χ^2/NDF : 233746.7/24

Right Out: 646.996 ± 0.153 χ^2/NDF : 51130.6/22

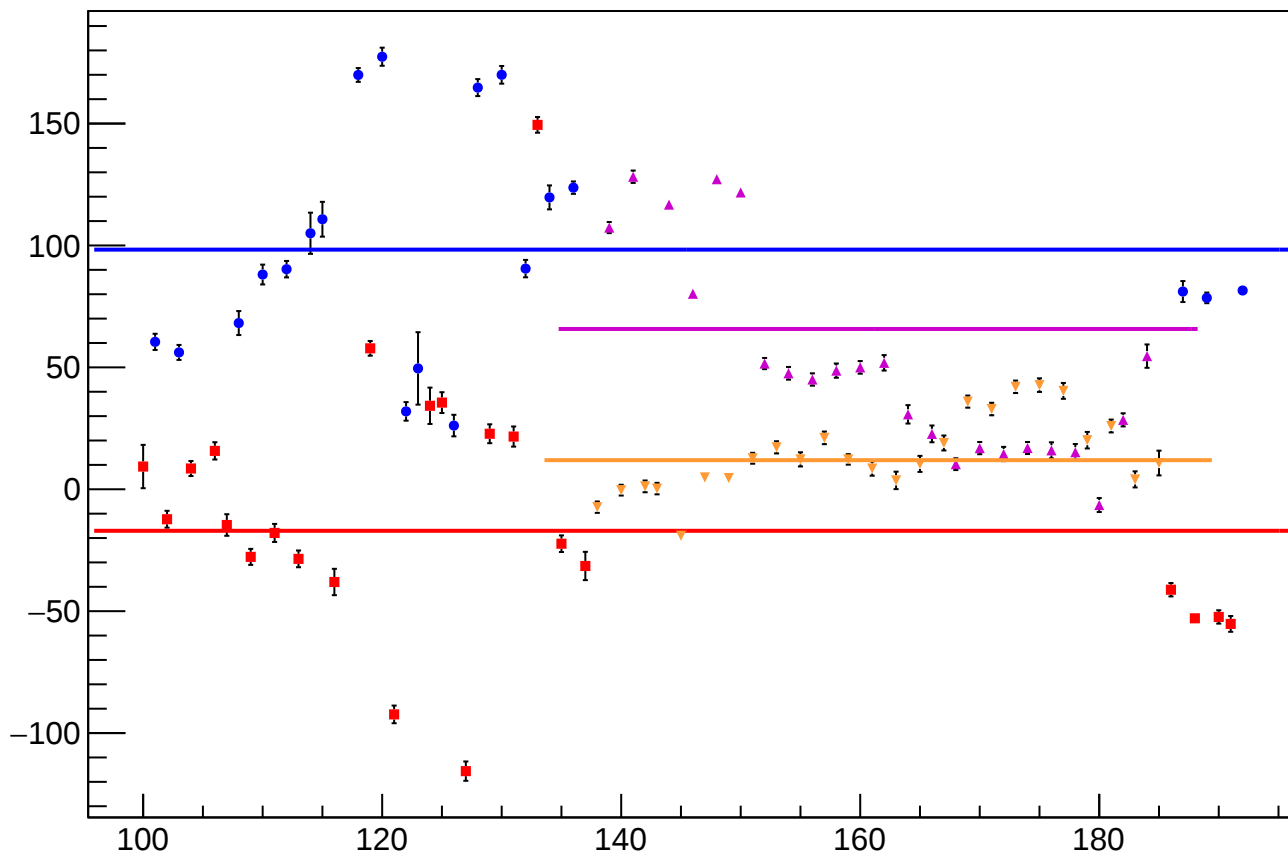
Left In: 858.563 ± 0.147 χ^2/NDF : 239019.8/22

+ sign 759.069 ± 0.105 χ^2/NDF : 1327926.2/44

All: 758.060 ± 0.075 χ^2/NDF : 2617160.8/90

- sign 757.043 ± 0.106 χ^2/NDF : 1289050.6/45

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: -17.031 ± 0.712 χ^2/NDF : 5760.8/22

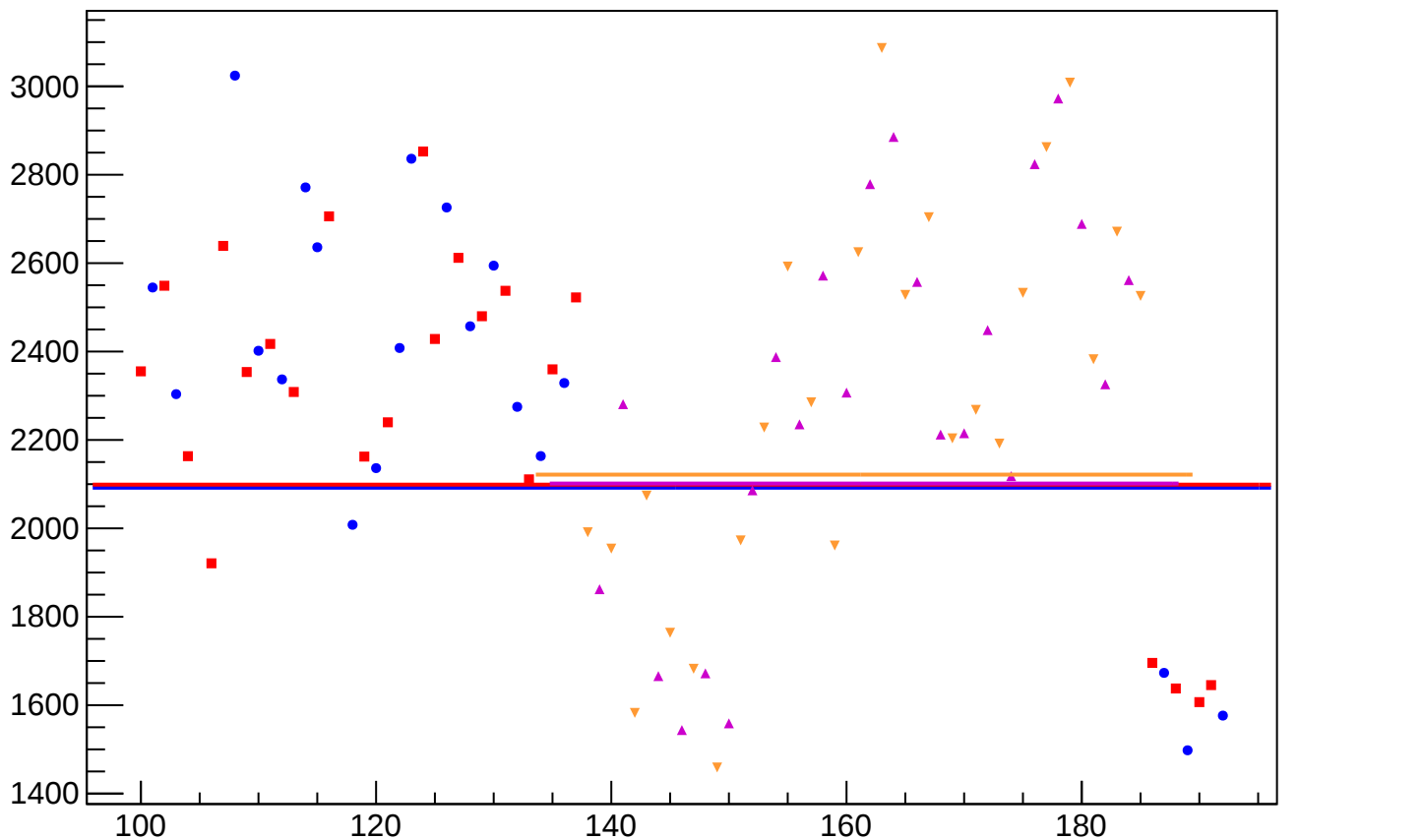
Left In: 65.752 ± 0.518 χ^2/NDF : 7335.8/22

+ sign 39.140 ± 0.418 χ^2/NDF : 13298.5/44

All: 38.137 ± 0.296 χ^2/NDF : 35247.6/90

- sign 37.131 ± 0.419 χ^2/NDF : 21937.6/45

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: 2098.879 $\pm$ 0.504 χ^2 /NDF: 553738.6/22

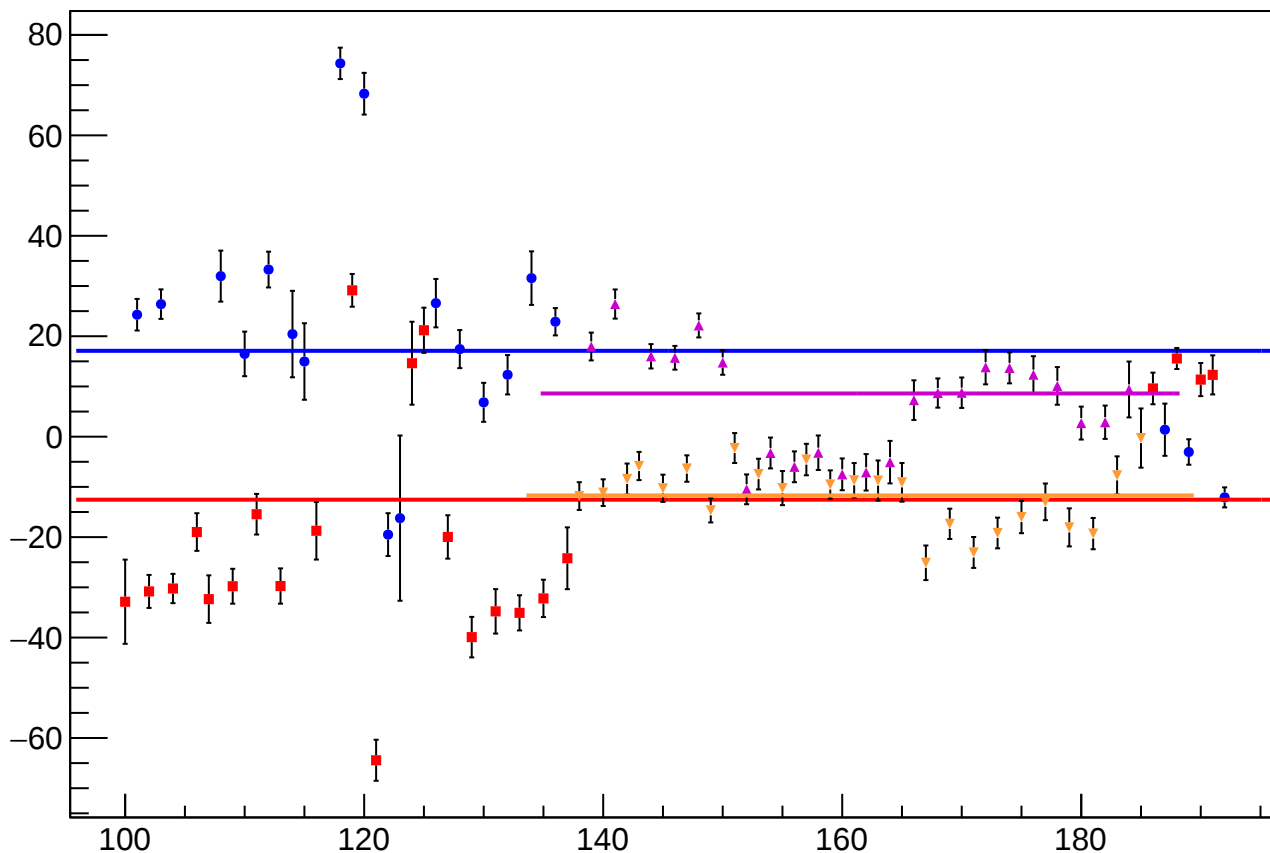
Left In: 2101.325 $\pm$ 0.366 χ^2 /NDF:1360518.3/22

+ sign 2112.252 $\pm$ 0.296 χ^2 /NDF: 2060985.2/44

All: 2106.373 $\pm$ 0.209 χ^2 /NDF: 3976049.0/90

- sign 2100.479 $\pm$ 0.296 χ^2 /NDF: 1914272.3/45

diff_bpm1i06Y_mean vs Slug



Right In: 17.096 ± 0.818 χ^2/NDF : 920.0/19

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -12.547 ± 0.779 χ^2/NDF : 1006.3/22

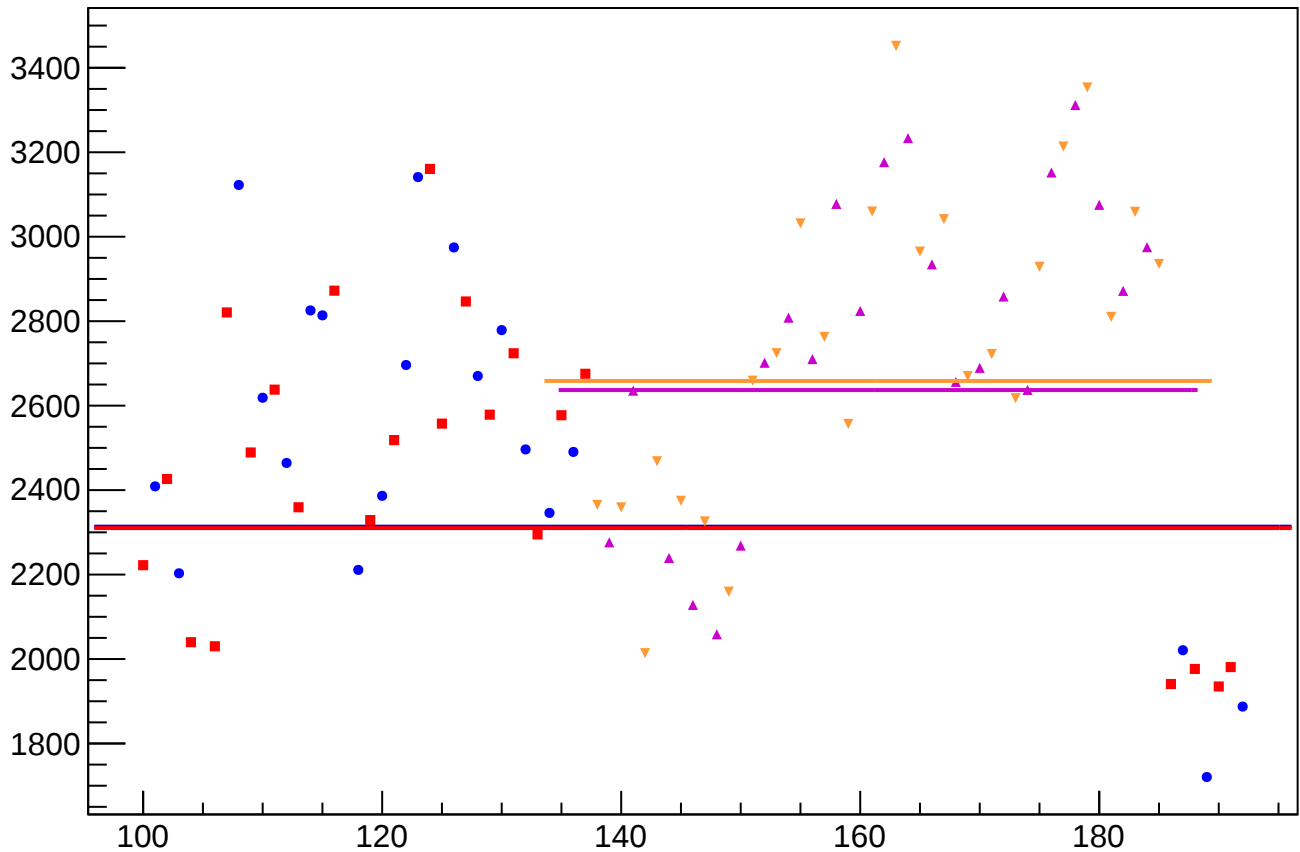
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -1.082 ± 0.497 χ^2/NDF : 1786.6/44

All: -0.513 ± 0.351 χ^2/NDF : 3498.8/90

- sign 0.053 ± 0.495 χ^2/NDF : 1709.6/45

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: 2310.049 $\pm$ 0.551 χ^2 /NDF: 318057.8/22

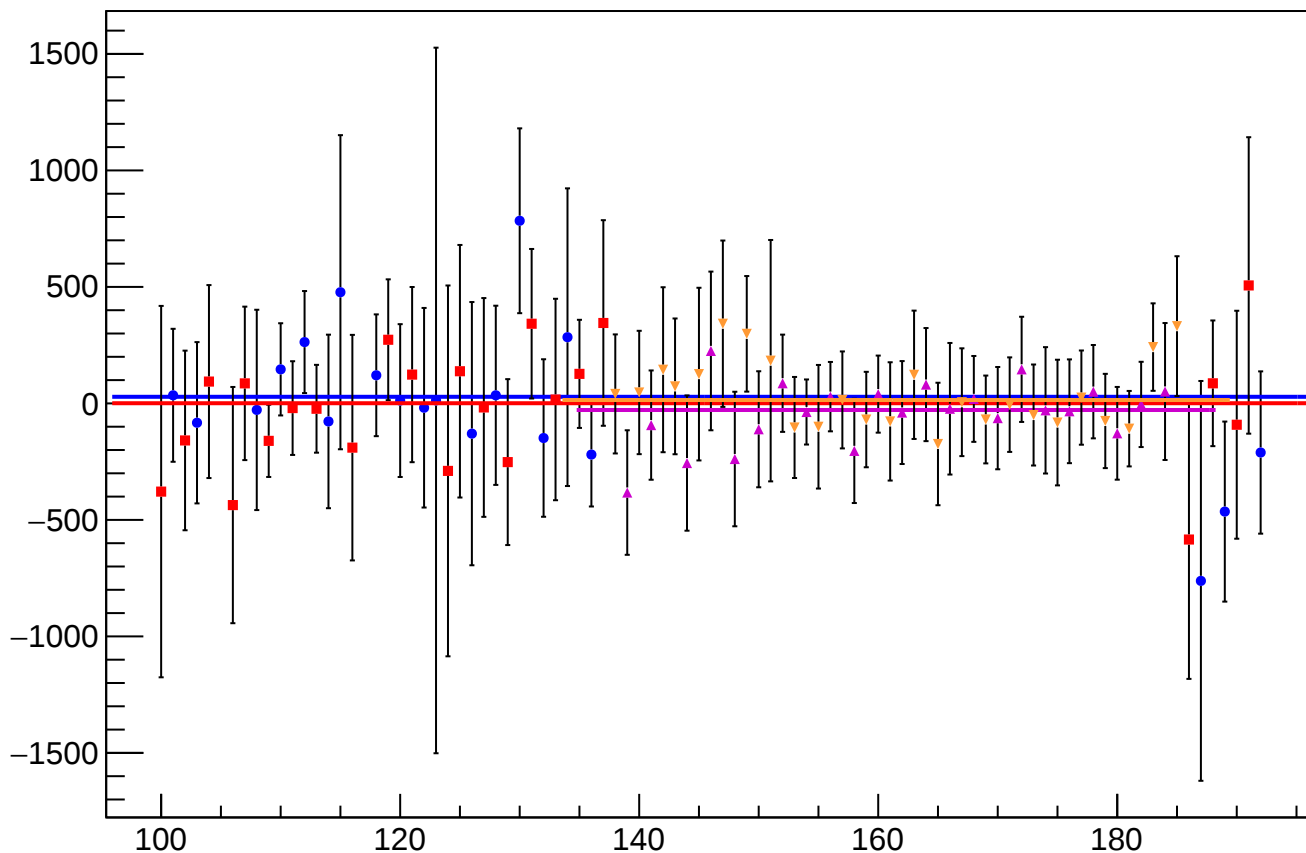
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2531.250 $\pm$ 0.351 χ^2 /NDF: 1254671.0/44

All: 2517.953 $\pm$ 0.248 χ^2 /NDF: 2438109.7/90

- sign 2504.736 $\pm$ 0.350 χ^2 /NDF: 1180583.2/45

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 28.395 $\pm$ 75.472 χ^2 /NDF: 10.6/19

Left Out: 14.520 $\pm$ 47.528 χ^2 /NDF: 7.8/24

Right Out: 0.776 $\pm$ 66.325 χ^2 /NDF: 8.2/22

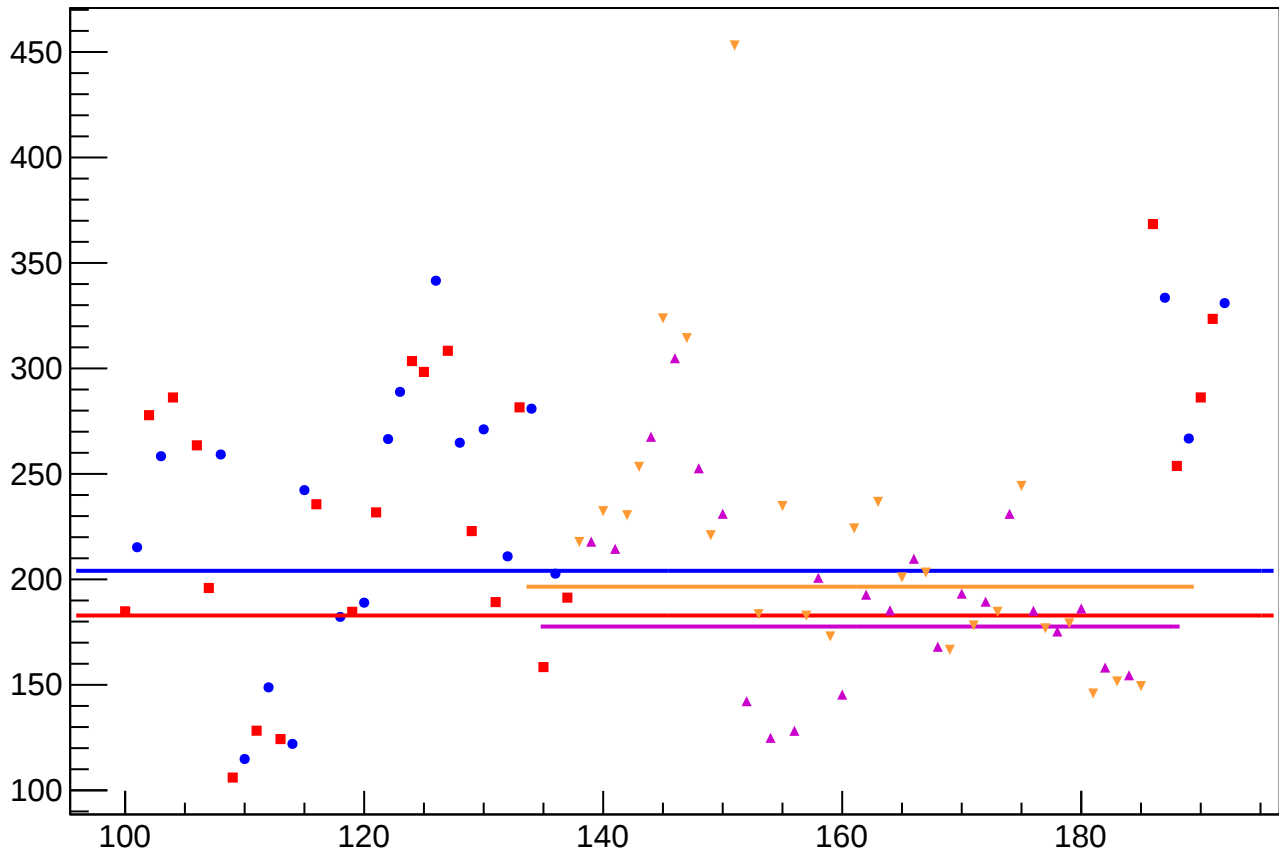
Left In: -28.310 $\pm$ 44.638 χ^2 /NDF: 6.3/22

+ sign 18.460 $\pm$ 40.218 χ^2 /NDF: 18.4/44

All: -1.943 $\pm$ 27.242 χ^2 /NDF: 33.5/90

- sign -19.242 $\pm$ 37.032 χ^2 /NDF: 14.6/45

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: 182.873 $\pm$ 0.047 χ^2 /NDF: 2139670.8/22

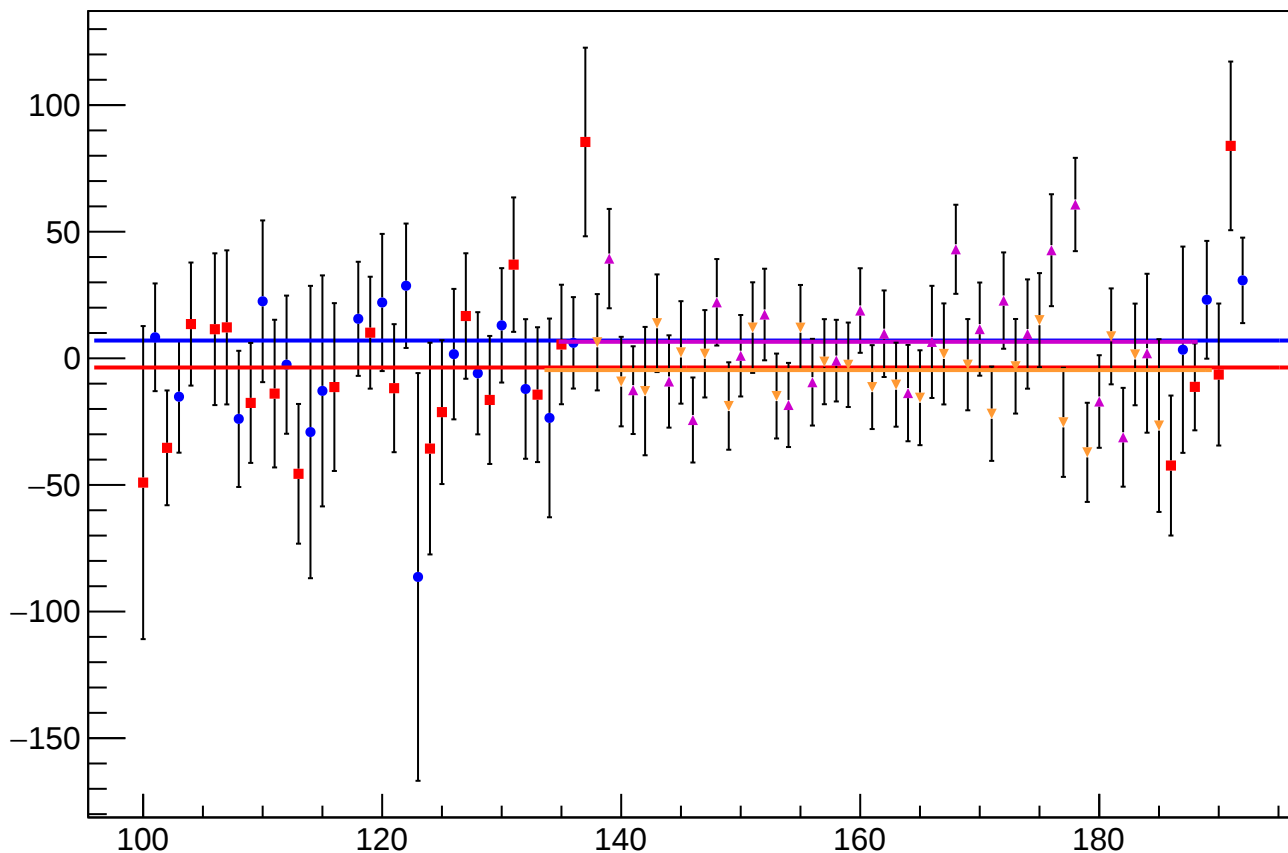
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF: 1630664.5/22

+ sign 198.657 $\pm$ 0.028 χ^2 /NDF: 3212596.2/44

All: 188.167 $\pm$ 0.019 χ^2 /NDF: 7242901.1/90

- sign 179.274 $\pm$ 0.026 χ^2 /NDF: 3778894.4/45

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: -3.621+/-5.579 χ^2/NDF : 26.2/22

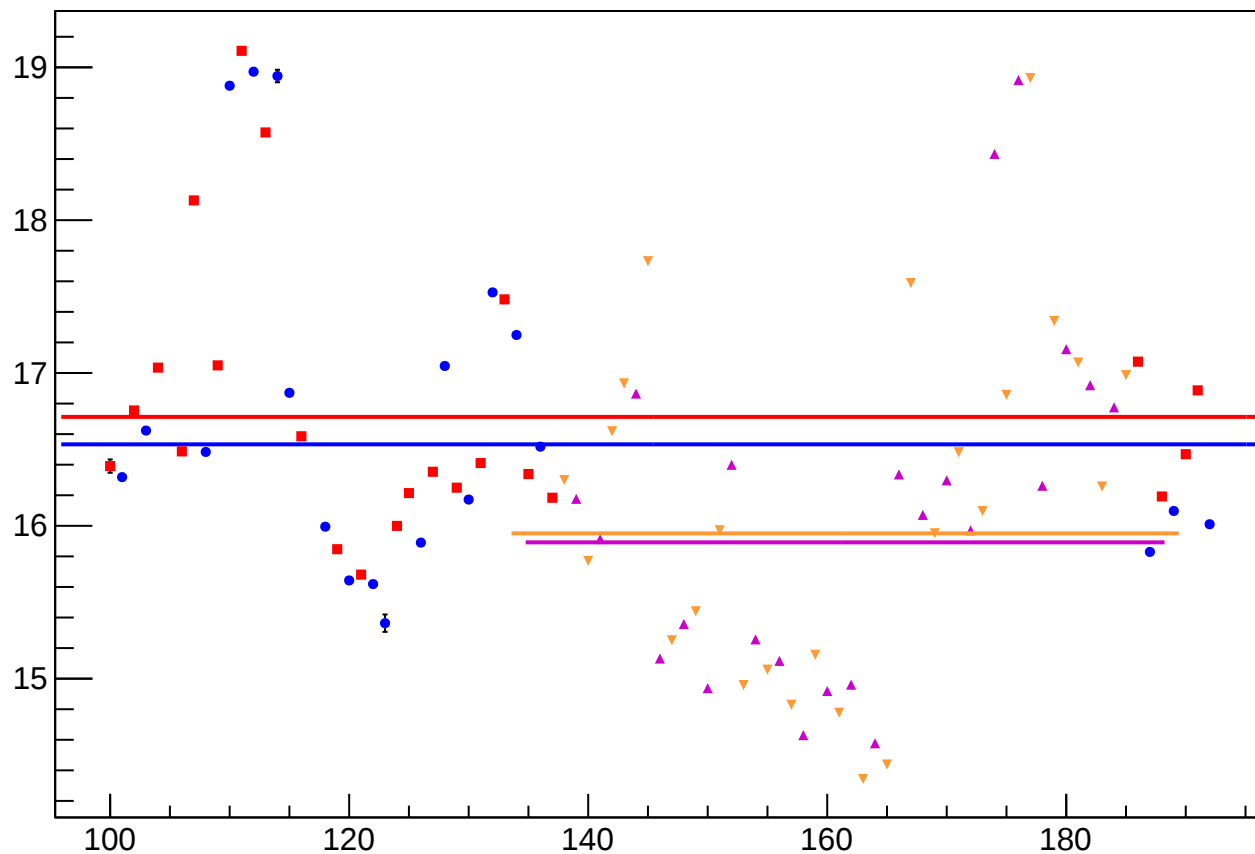
Left In: 6.526+/-3.828 χ^2/NDF : 36.4/22

+ sign -1.206+/-3.131 χ^2/NDF : 24.8/44

All: 1.018+/-2.223 χ^2/NDF : 90.6/90

- sign 3.279+/-3.156 χ^2/NDF : 64.9/45

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: 16.713 $\pm$ 0.004 χ^2 /NDF: 41816.6/22

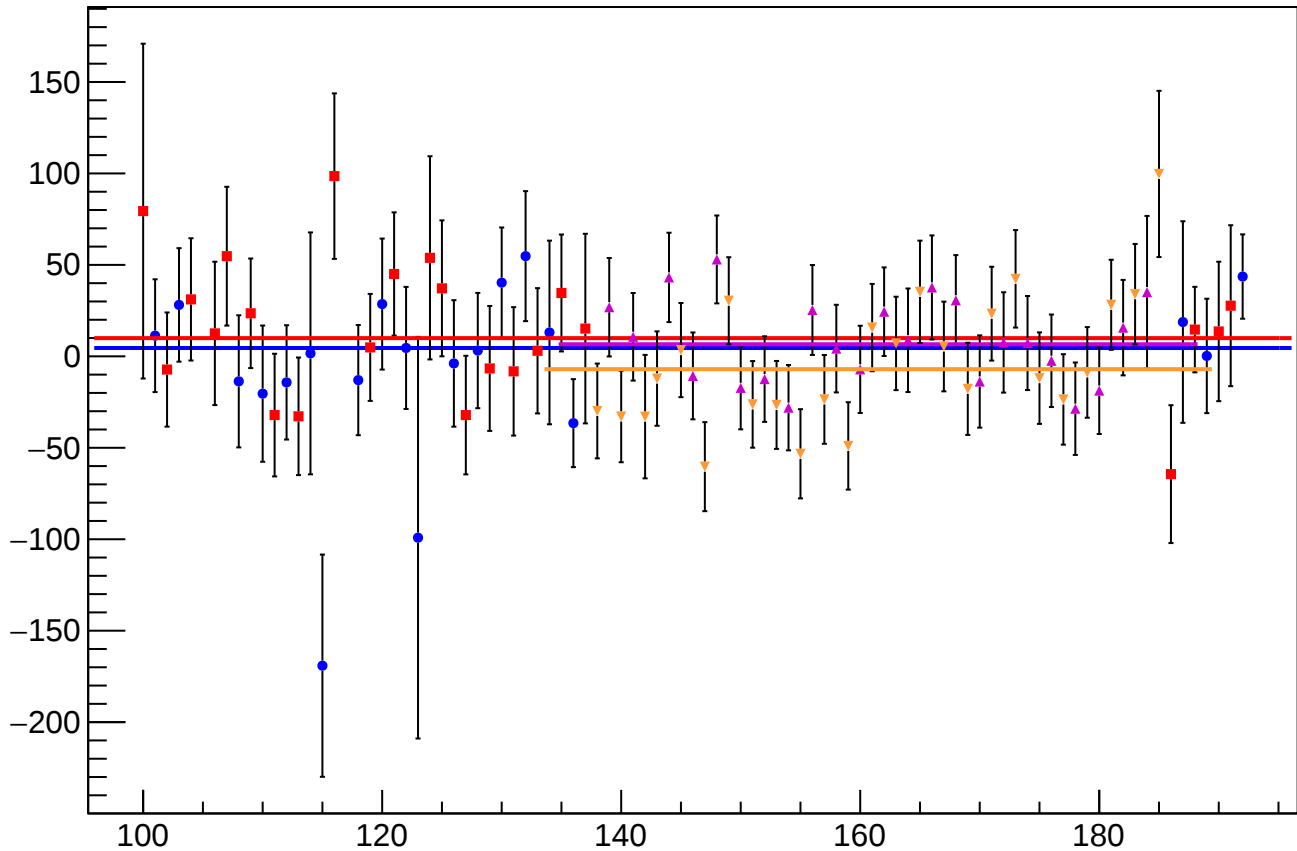
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF: 147093.3/22

+ sign 16.122 $\pm$ 0.002 χ^2 /NDF: 234113.9/44

All: 16.138 $\pm$ 0.002 χ^2 /NDF: 452576.7/90

- sign 16.155 $\pm$ 0.002 χ^2 /NDF: 218357.7/45

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: 9.958 ± 7.350 χ^2/NDF : 19.3/22

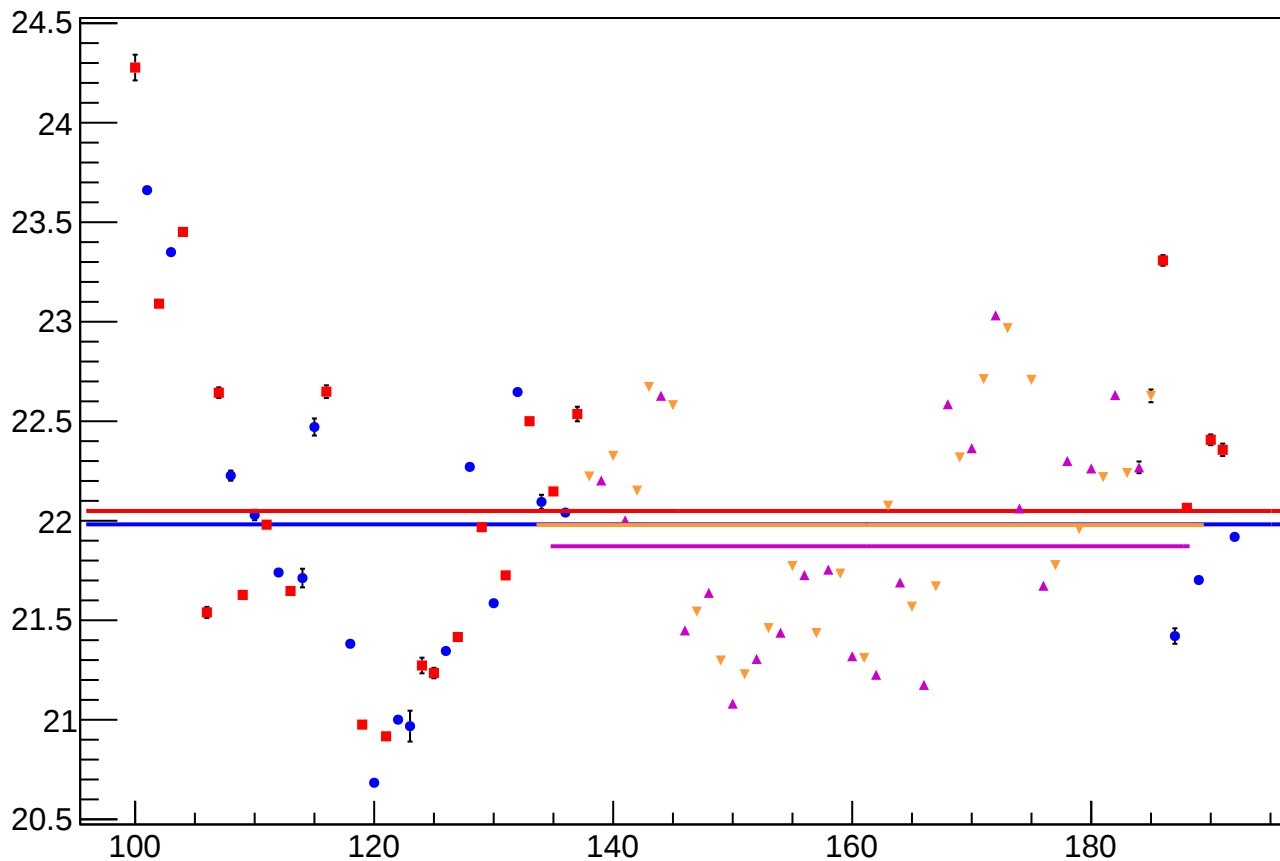
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -3.437 ± 4.257 χ^2/NDF : 59.9/44

All: 2.131 ± 3.016 χ^2/NDF : 101.9/90

- sign 7.742 ± 4.273 χ^2/NDF : 38.5/45

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: 22.049 $\pm$ 0.005 χ^2 /NDF: 19127.1/22

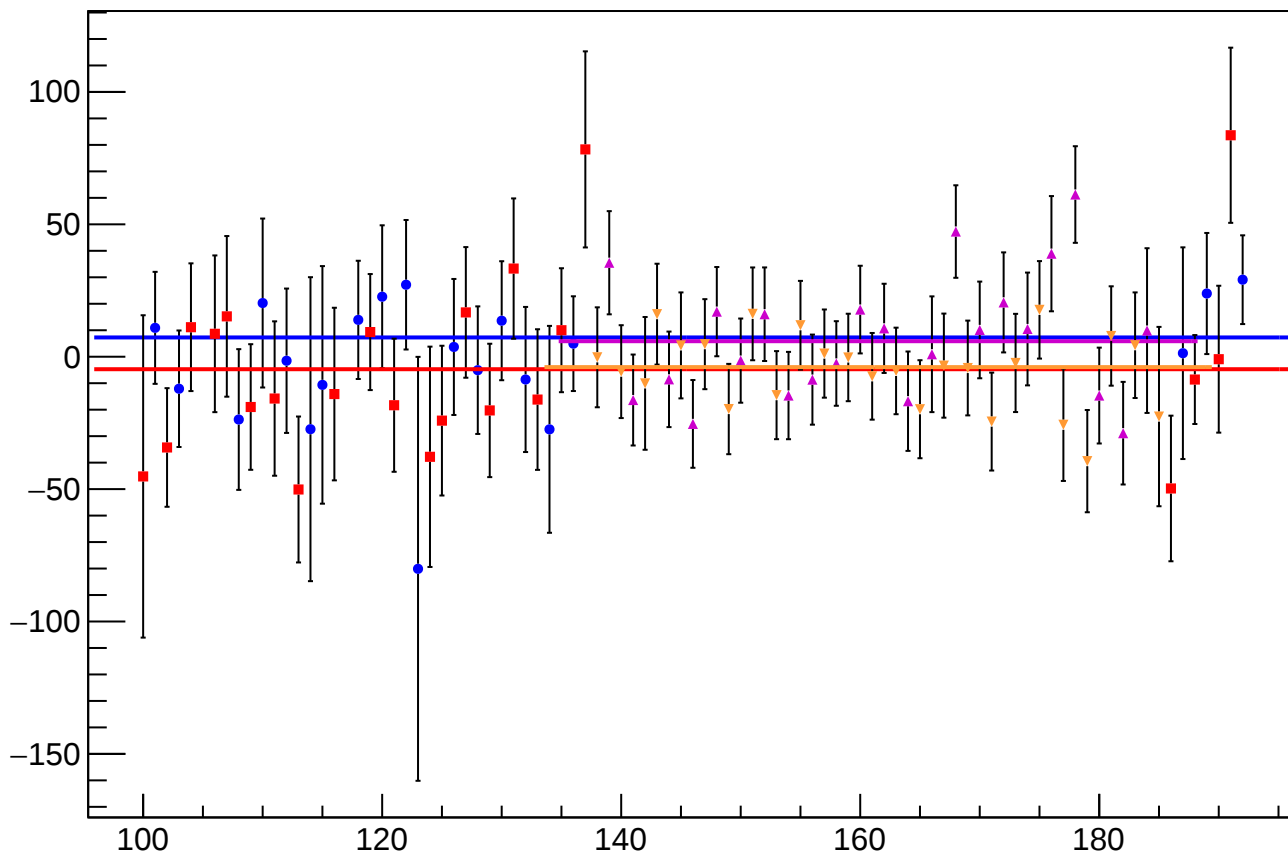
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF: 20524.9/22

+ sign 21.979 $\pm$ 0.003 χ^2 /NDF: 37243.8/44

All: 21.956 $\pm$ 0.002 χ^2 /NDF: 77791.1/90

- sign 21.932 $\pm$ 0.003 χ^2 /NDF: 40421.8/45

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 7.280 ± 5.728 χ^2/NDF : 9.0/19

Left Out: -3.927 ± 3.688 χ^2/NDF : 14.0/24

Right Out: -4.718 ± 5.537 χ^2/NDF : 27.1/22

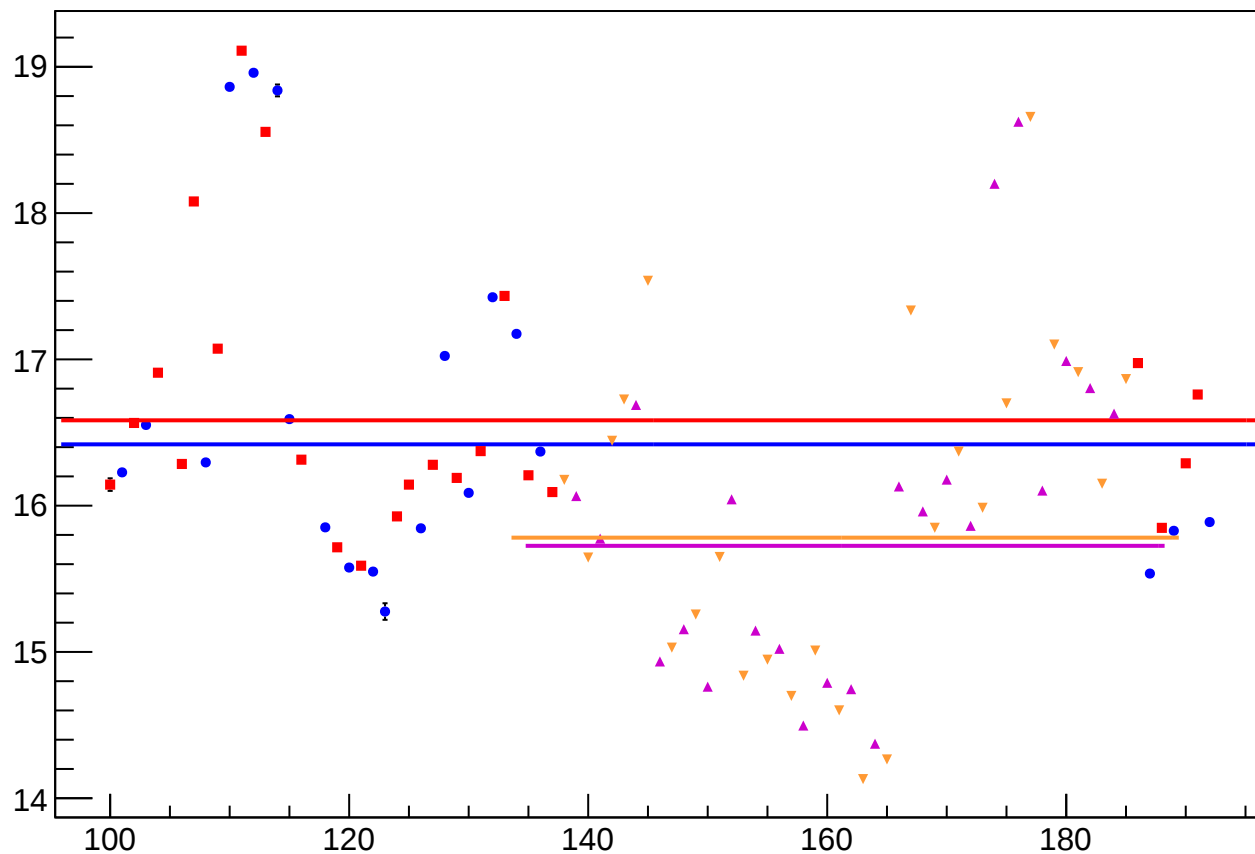
Left In: 5.861 ± 3.787 χ^2/NDF : 36.2/22

+ sign -0.643 ± 3.101 χ^2/NDF : 25.7/44

All: 0.911 ± 2.201 χ^2/NDF : 91.9/90

- sign 2.490 ± 3.126 χ^2/NDF : 65.7/45

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: 16.583 $\pm$ 0.004 χ^2 /NDF: 47389.5/22

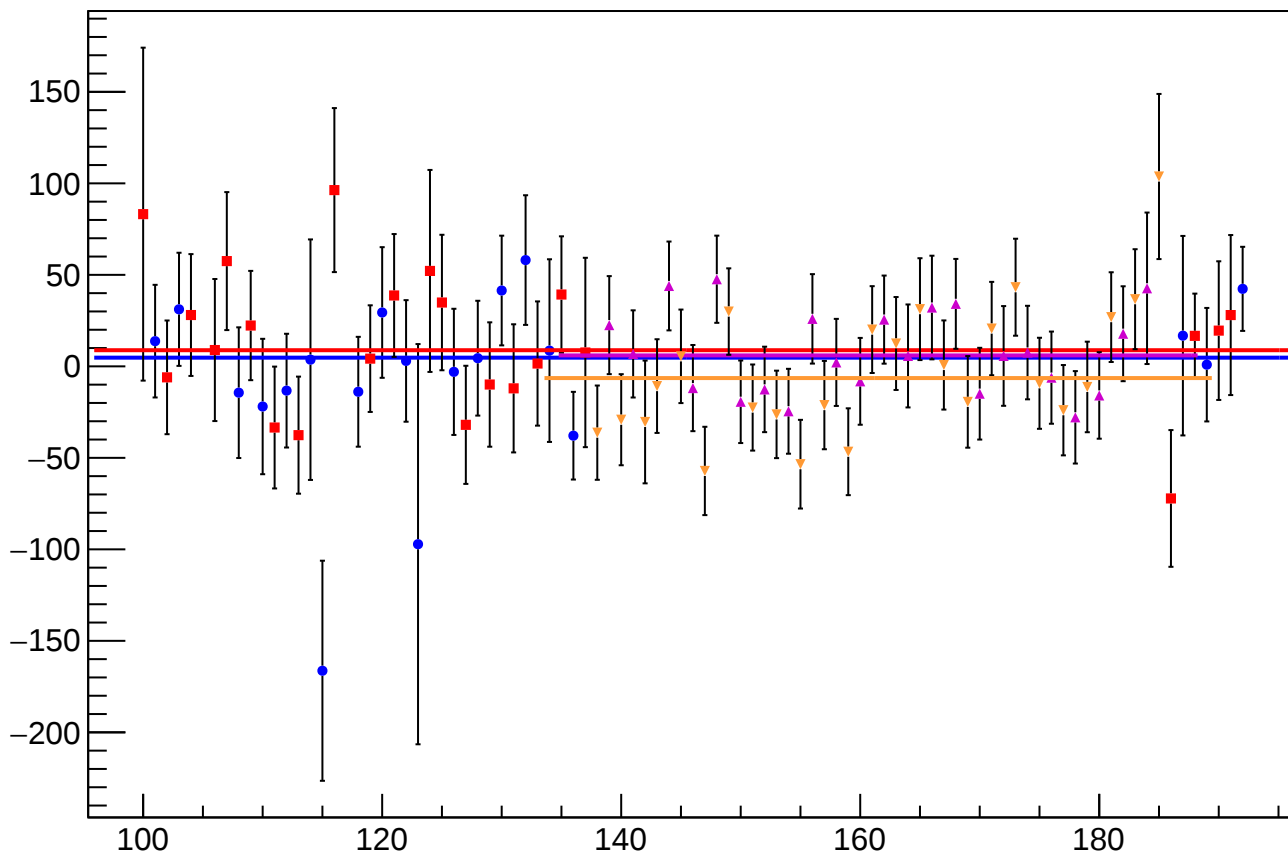
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF: 145830.9/22

+ sign 15.968 $\pm$ 0.002 χ^2 /NDF: 240040.6/44

All: 15.983 $\pm$ 0.002 χ^2 /NDF: 466071.8/90

- sign 15.999 $\pm$ 0.002 χ^2 /NDF: 225934.7/45

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: 8.819 $\pm$ 7.306 χ^2 /NDF: 20.9/22

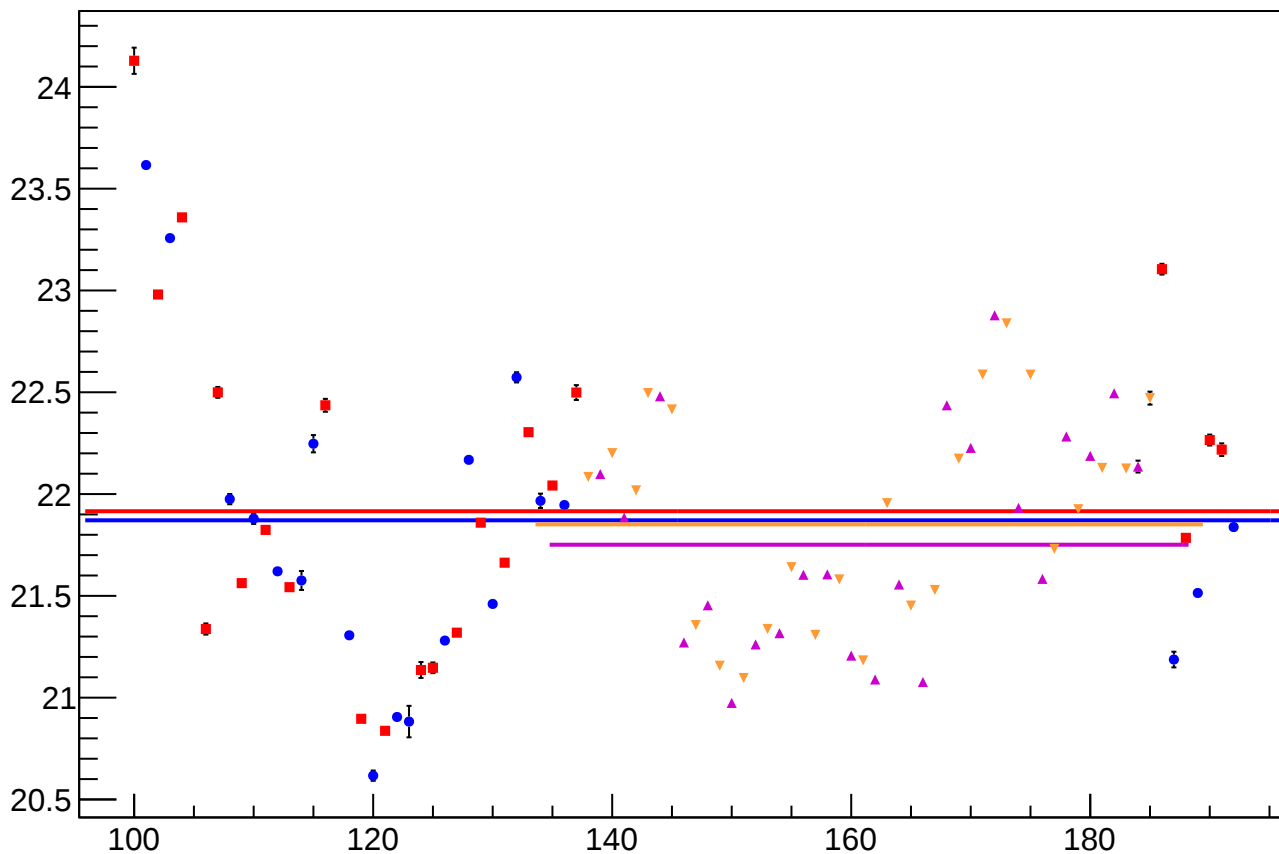
Left In: 5.978 $\pm$ 5.222 χ^2 /NDF: 18.5/22

+ sign -2.961 $\pm$ 4.233 χ^2 /NDF: 60.4/44

All: 1.971 $\pm$ 2.999 χ^2 /NDF: 102.6/90

- sign 6.939 $\pm$ 4.249 χ^2 /NDF: 39.5/45

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.871+/-0.005 χ^2/NDF : 18288.9/19

Left Out: 21.851+/-0.004 χ^2/NDF : 19631.8/24

Right Out: 21.916+/-0.005 χ^2/NDF : 18523.9/22

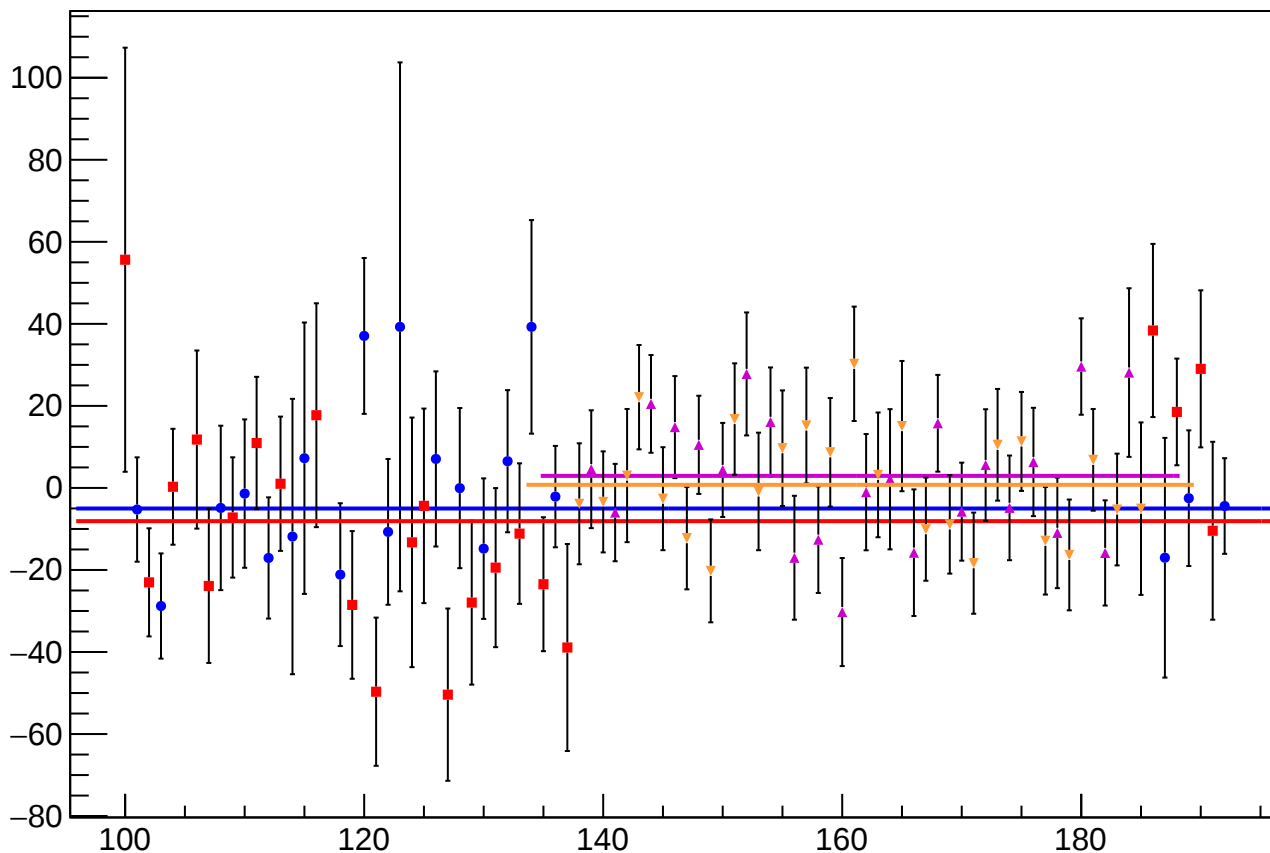
Left In: 21.751+/-0.004 χ^2/NDF : 20516.3/22

+ sign 21.857+/-0.003 χ^2/NDF : 37930.2/44

All: 21.832+/-0.002 χ^2/NDF : 77783.3/90

- sign 21.807+/-0.003 χ^2/NDF : 39711.5/45

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: -8.098 ± 3.839 χ^2/NDF : 34.6/22

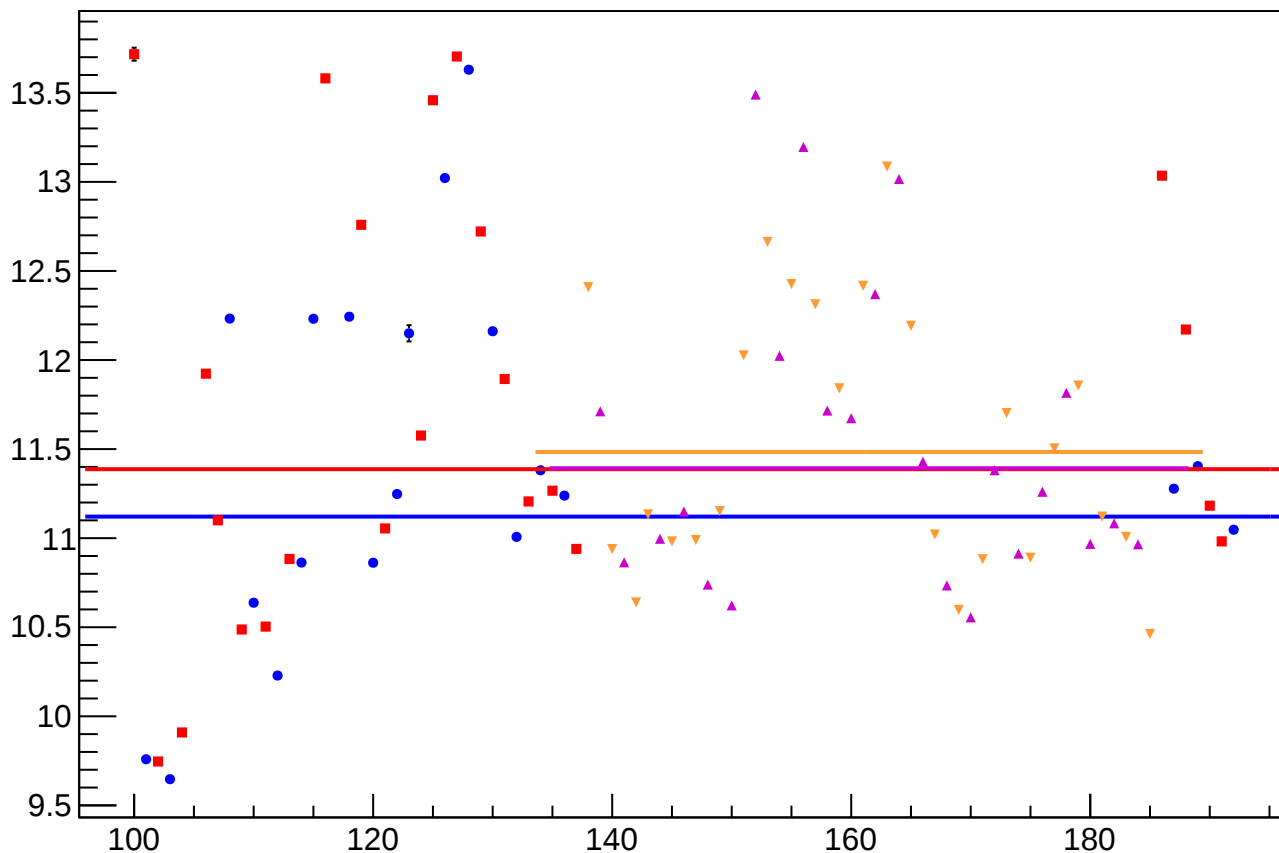
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -1.105 ± 2.221 χ^2/NDF : 40.2/44

All: -0.961 ± 1.577 χ^2/NDF : 111.2/90

- sign -0.814 ± 2.240 χ^2/NDF : 71.0/45

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: 11.387 $\pm$ 0.003 χ^2 /NDF: 170579.1/22

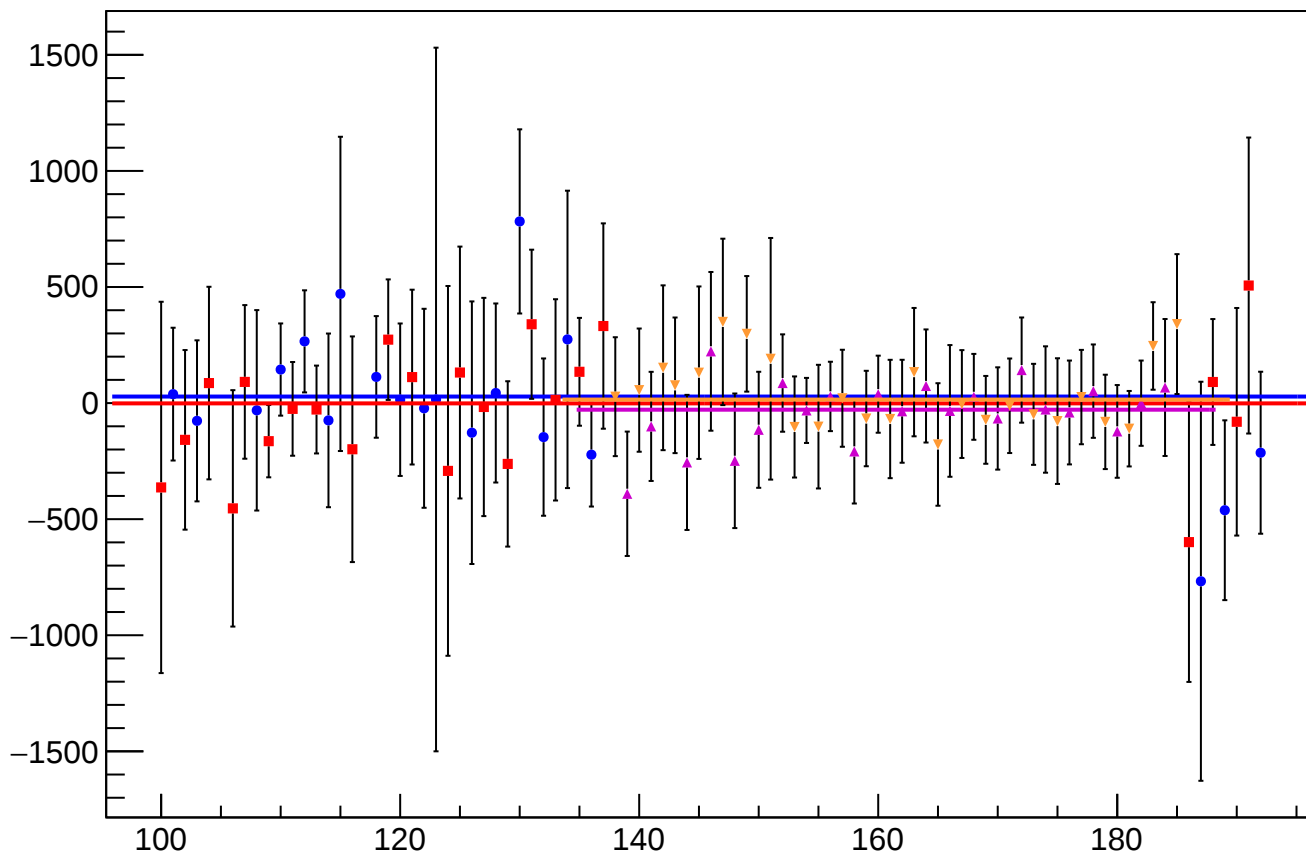
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.367 $\pm$ 0.002 χ^2 /NDF: 274799.4/44

All: 11.379 $\pm$ 0.001 χ^2 /NDF: 595989.7/90

- sign 11.391 $\pm$ 0.002 χ^2 /NDF: 321074.8/45

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: -1.285 $\pm$ 66.528 χ^2 /NDF: 8.3/22

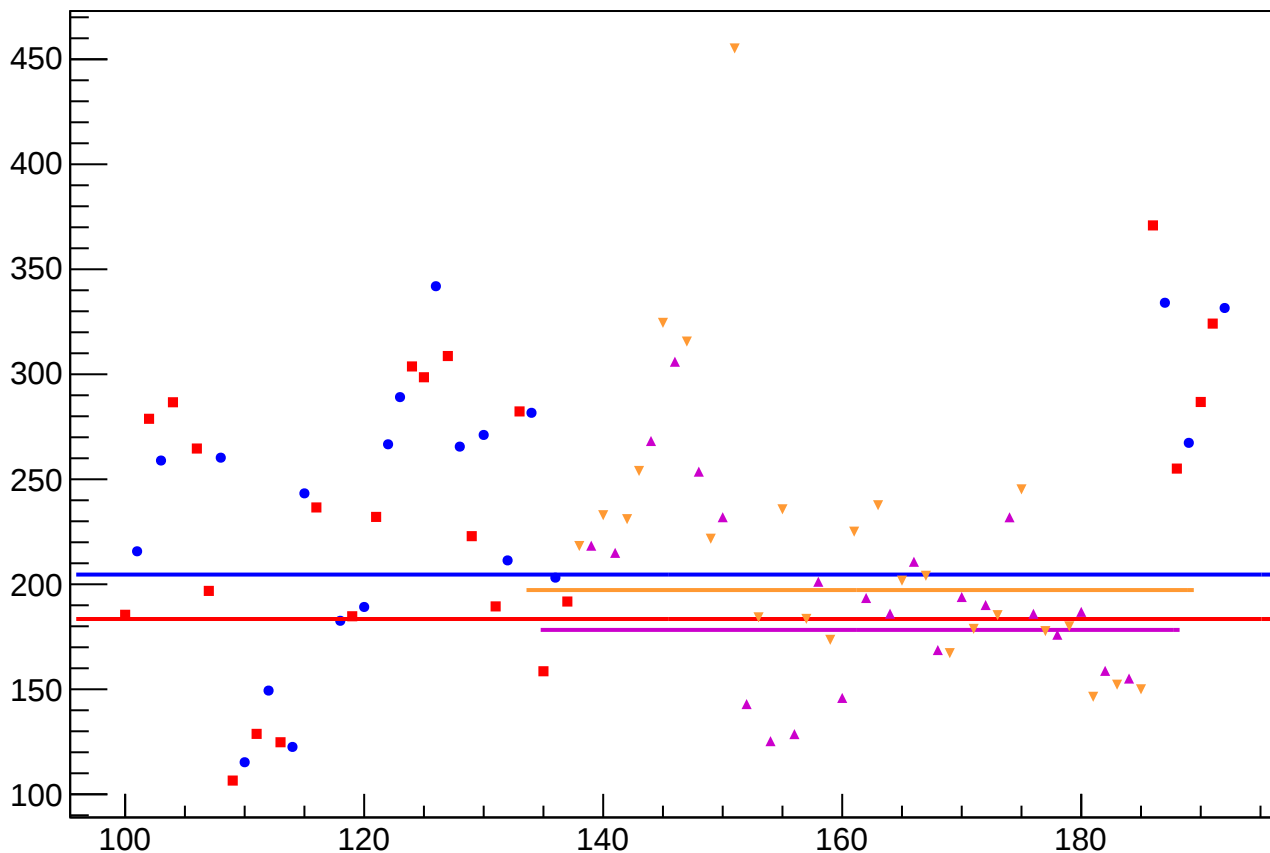
Left In: -28.500 $\pm$ 44.797 χ^2 /NDF: 6.4/22

+ sign 18.834 $\pm$ 40.354 χ^2 /NDF: 18.6/44

All: -2.187 $\pm$ 27.335 χ^2 /NDF: 33.9/90

- sign -20.010 $\pm$ 37.158 χ^2 /NDF: 14.8/45

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: 183.468 $\pm$ 0.047 χ^2/NDF : 2134495.6/22

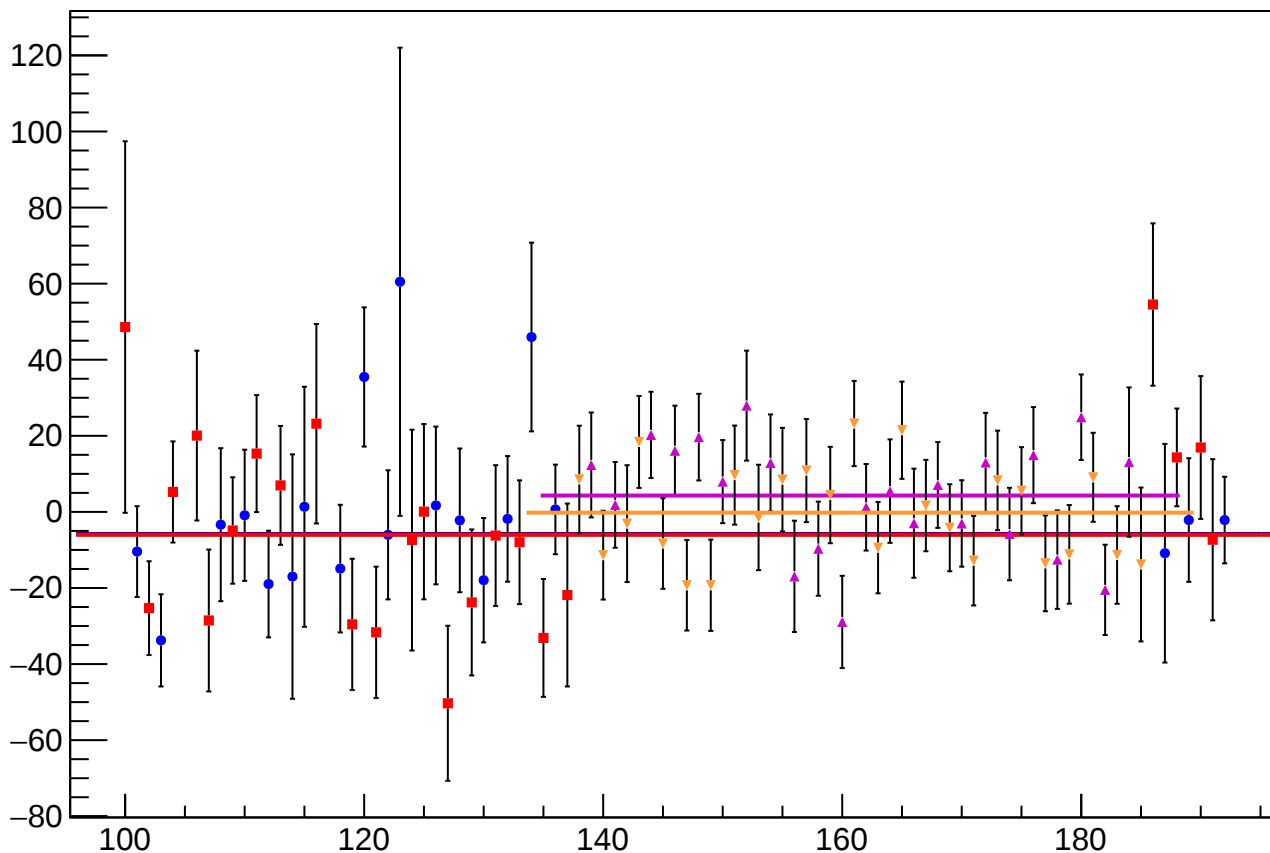
Left In: 178.277 $\pm$ 0.032 χ^2/NDF : 1628916.6/22

+ sign 199.348 $\pm$ 0.029 χ^2/NDF : 3203044.4/44

All: 188.821 $\pm$ 0.019 χ^2/NDF : 7226303.6/90

- sign 179.896 $\pm$ 0.026 χ^2/NDF : 3771788.7/45

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: -6.035 ± 3.695 χ^2/NDF : 36.4/22

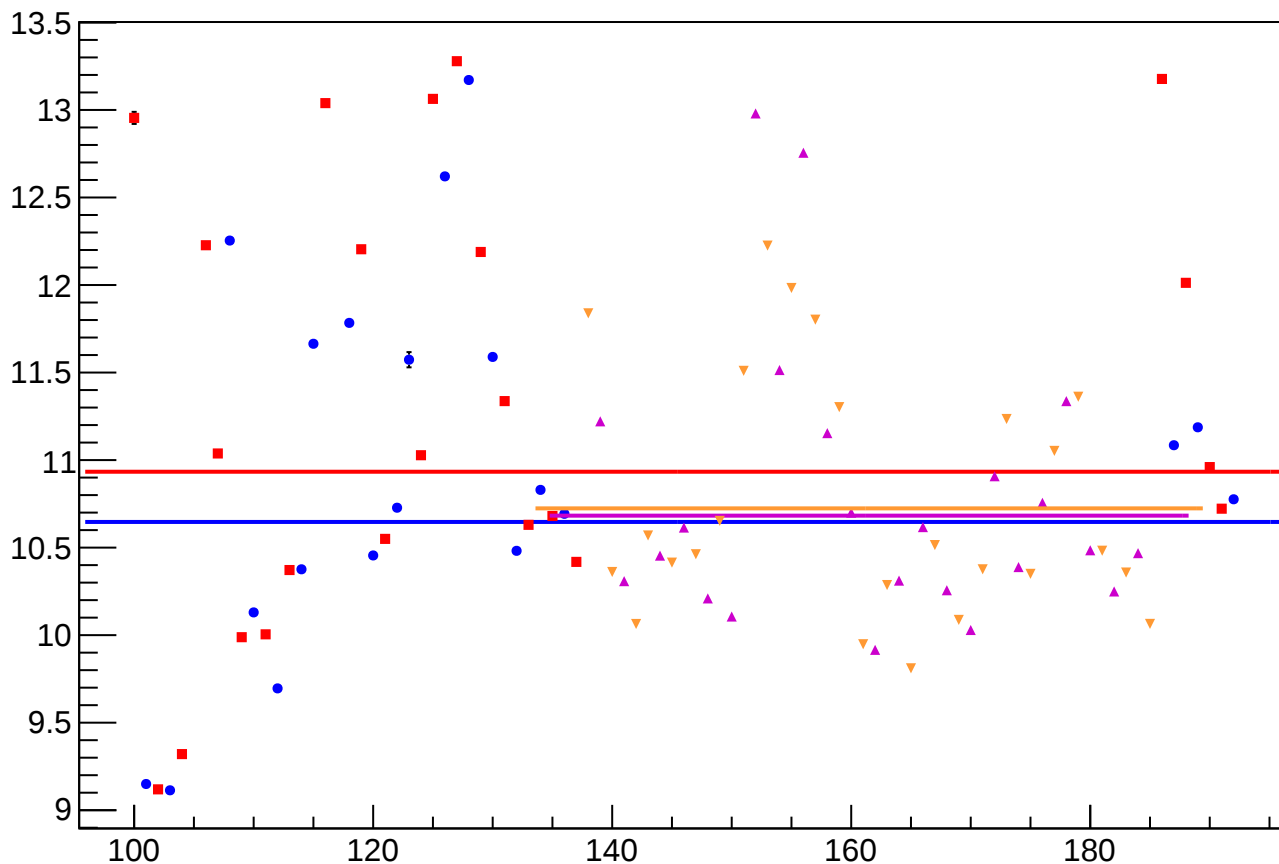
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -1.954 ± 2.094 χ^2/NDF : 44.9/44

All: -0.548 ± 1.490 χ^2/NDF : 119.0/90

- sign 0.894 ± 2.120 χ^2/NDF : 73.2/45

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: 10.933 ± 0.003 χ^2/NDF : 218412.5/22

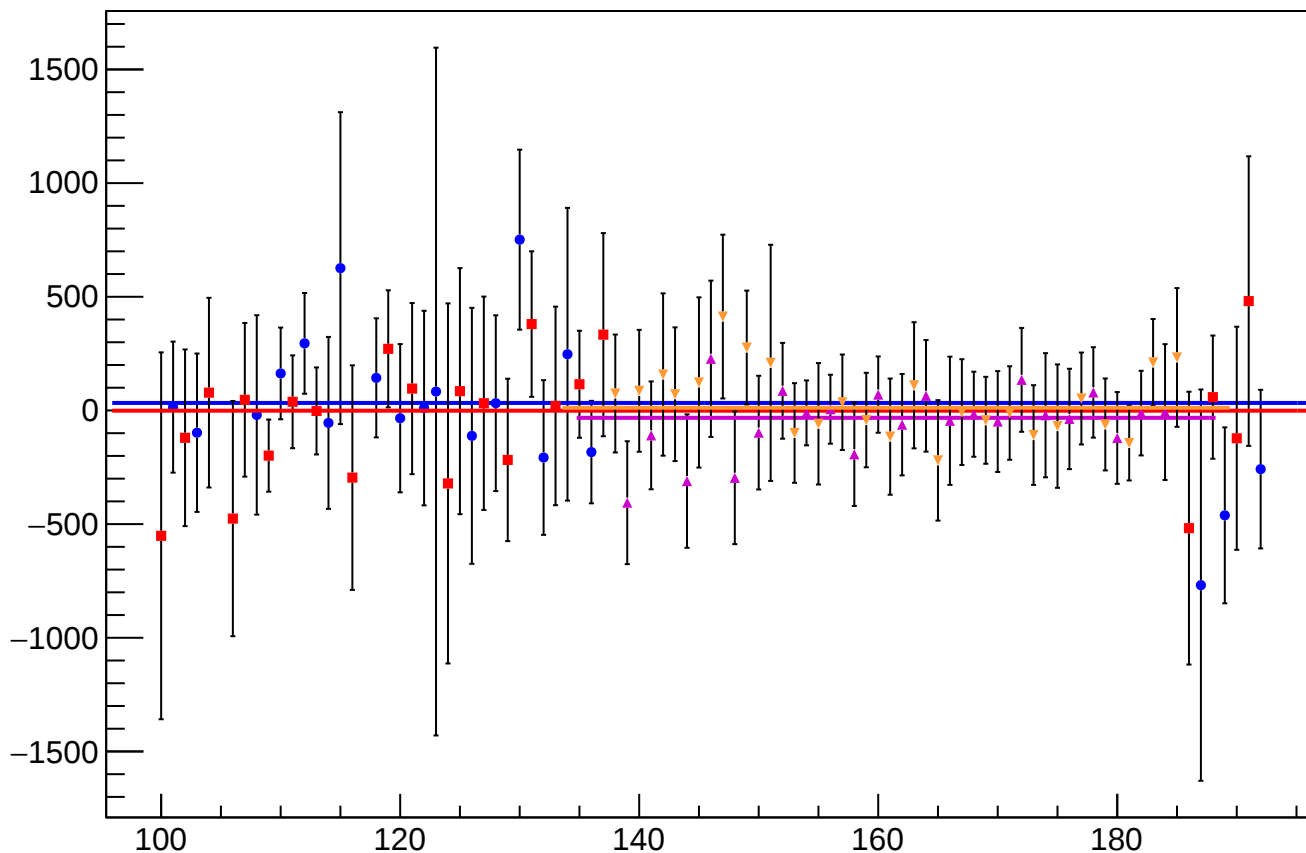
Left In: 10.683 ± 0.002 χ^2/NDF : 147835.6/22

+ sign 10.700 ± 0.001 χ^2/NDF : 296341.0/44

All: 10.732 ± 0.001 χ^2/NDF : 669732.0/90

- sign 10.765 ± 0.001 χ^2/NDF : 372432.5/45

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: -1.045 $\pm$ 67.096 χ^2 /NDF: 8.8/22

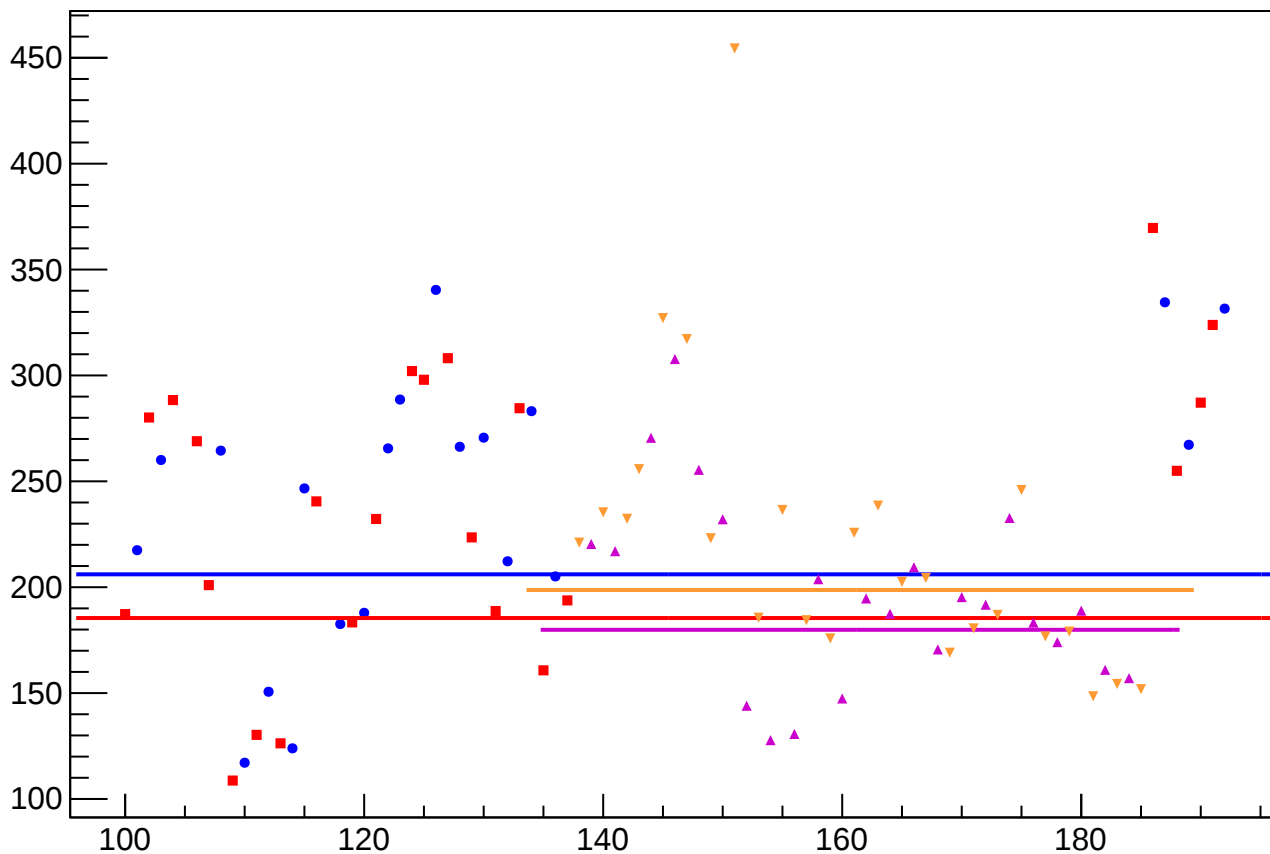
Left In: -32.413 $\pm$ 45.155 χ^2 /NDF: 6.9/22

+ sign 17.919 $\pm$ 40.614 χ^2 /NDF: 18.8/44

All: -3.993 $\pm$ 27.536 χ^2 /NDF: 35.2/90

- sign -22.635 $\pm$ 37.461 χ^2 /NDF: 15.8/45

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: 185.444 $\pm$ 0.047 χ^2 /NDF: 2073742.1/22

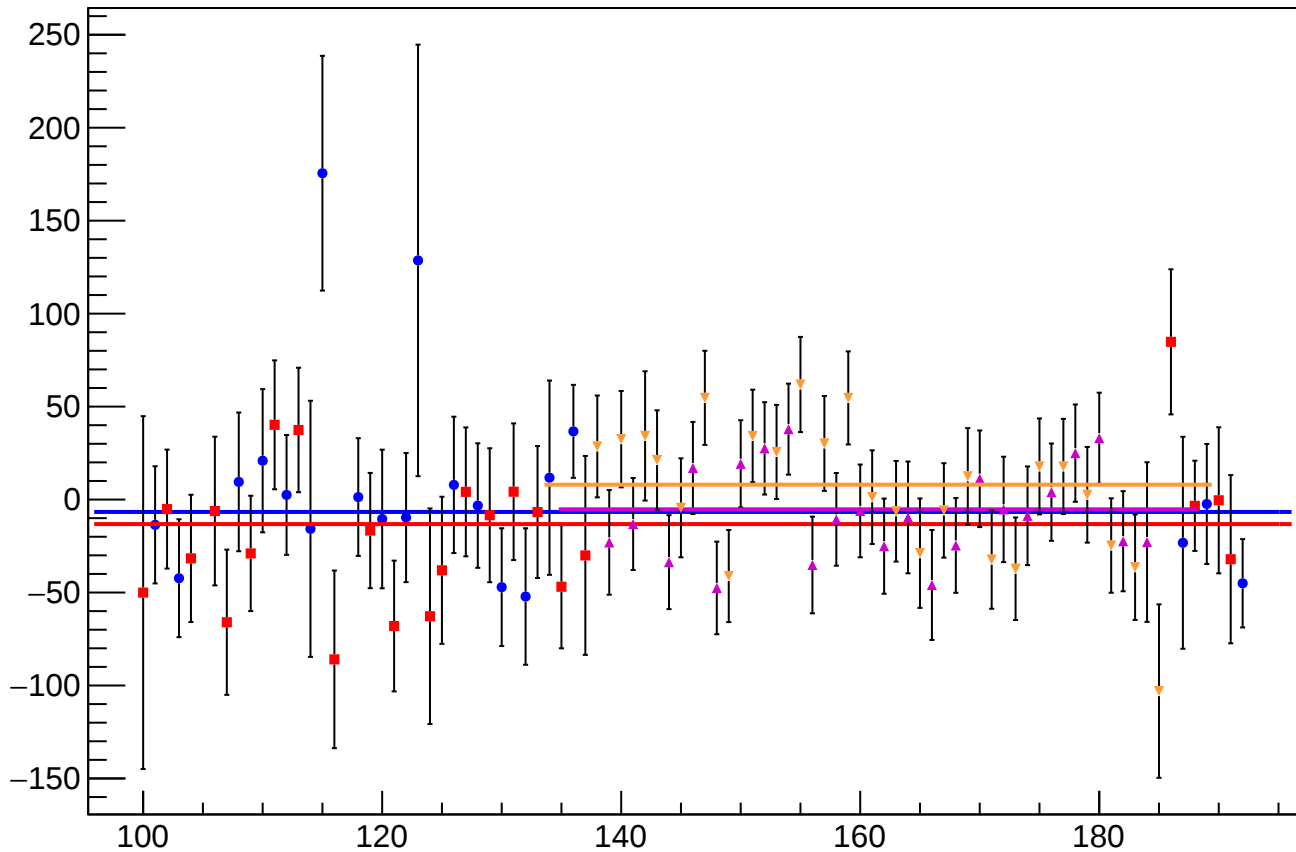
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

+ sign 200.797 $\pm$ 0.029 χ^2 /NDF: 3140192.6/44

All: 190.435 $\pm$ 0.019 χ^2 /NDF: 7044981.8/90

- sign 181.619 $\pm$ 0.026 χ^2 /NDF: 3663824.0/45

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.659 ± 7.951 χ^2/NDF : 21.1/19

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: -13.186 ± 7.647 χ^2/NDF : 21.6/22

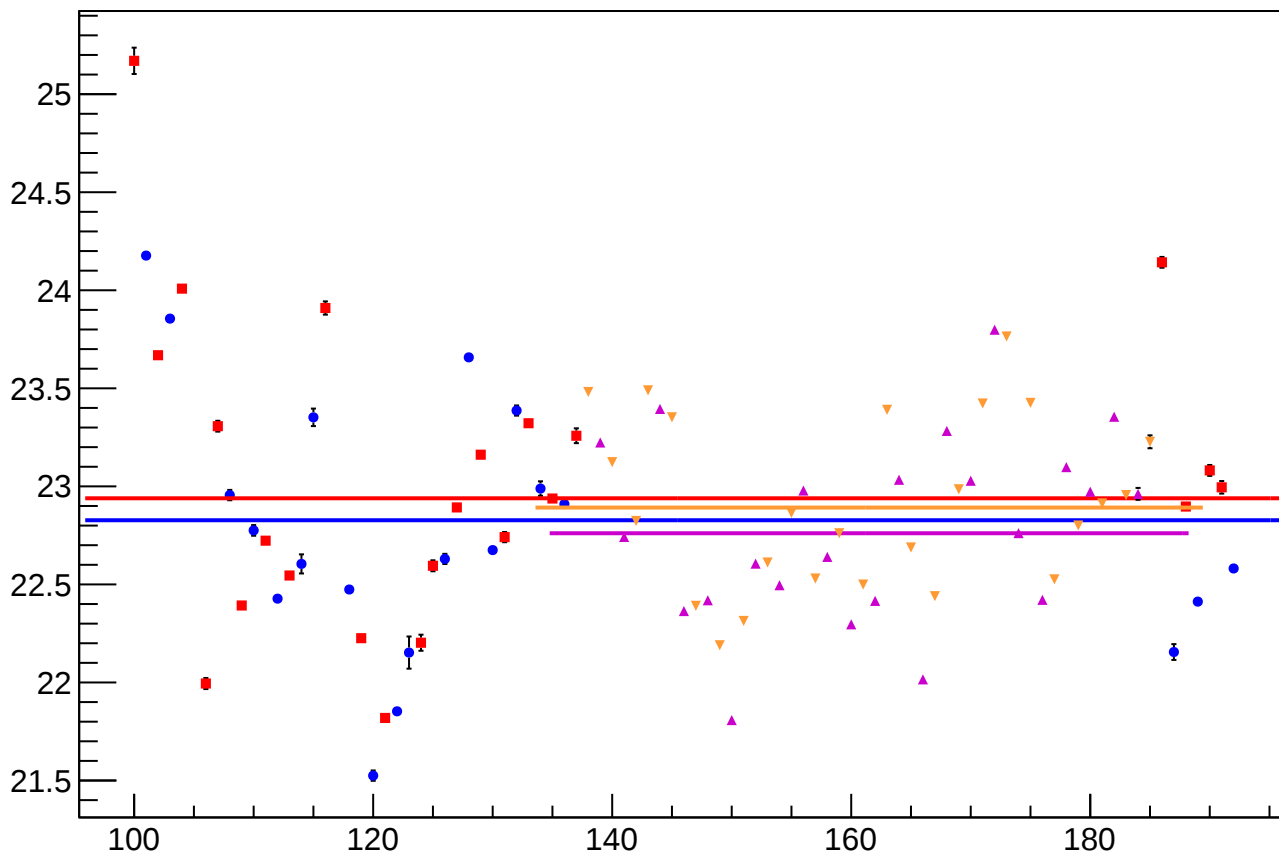
Left In: -5.261 ± 5.465 χ^2/NDF : 20.8/22

+ sign 3.453 ± 4.430 χ^2/NDF : 60.8/44

All: -2.222 ± 3.138 χ^2/NDF : 107.2/90

- sign -7.940 ± 4.446 χ^2/NDF : 43.0/45

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: 22.939 $\pm$ 0.005 χ^2 /NDF: 13134.0/22

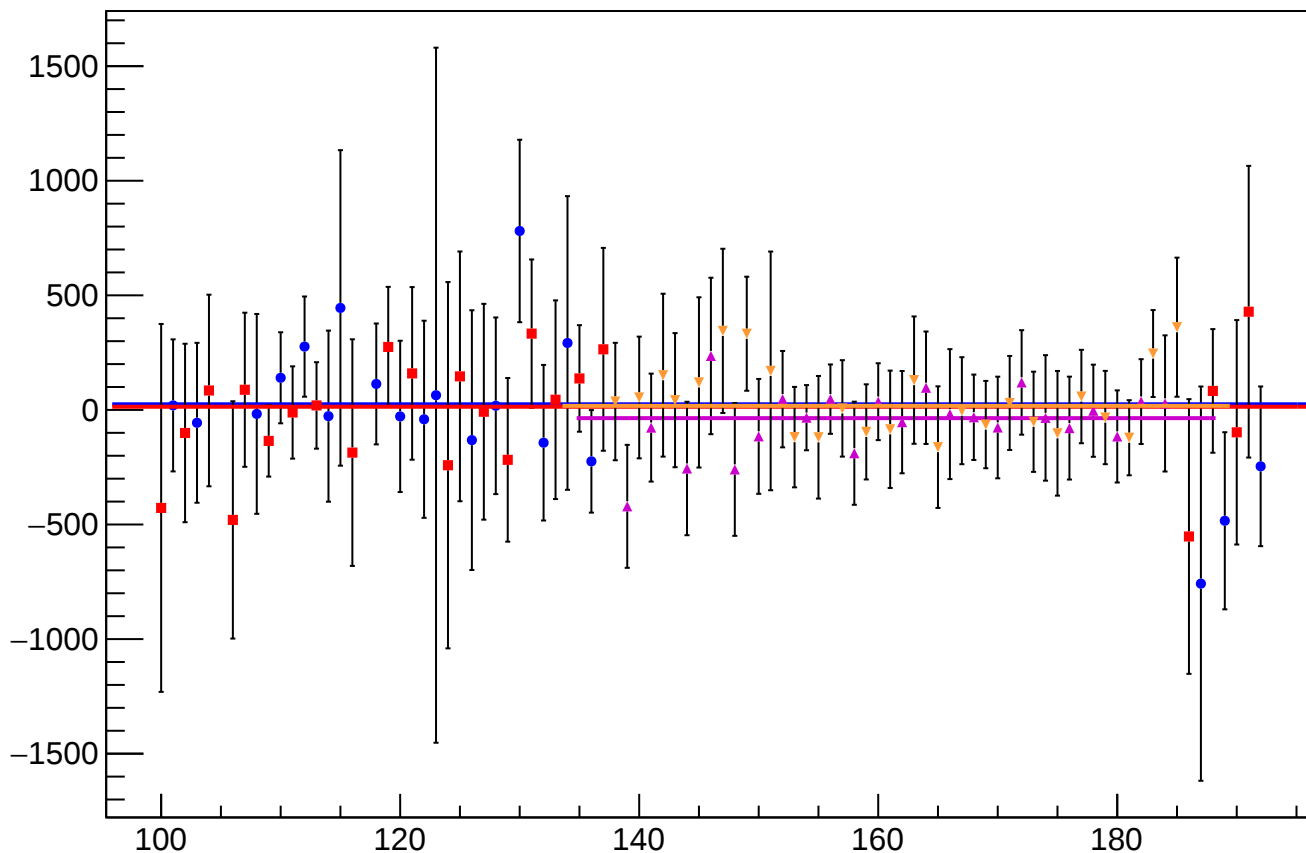
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14550.0/22

+ sign 22.872 $\pm$ 0.003 χ^2 /NDF: 26348.9/44

All: 22.847 $\pm$ 0.002 χ^2 /NDF: 54882.8/90

- sign 22.821 $\pm$ 0.003 χ^2 /NDF: 28403.6/45

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: 13.906 $\pm$ 66.648 χ^2 /NDF: 7.2/22

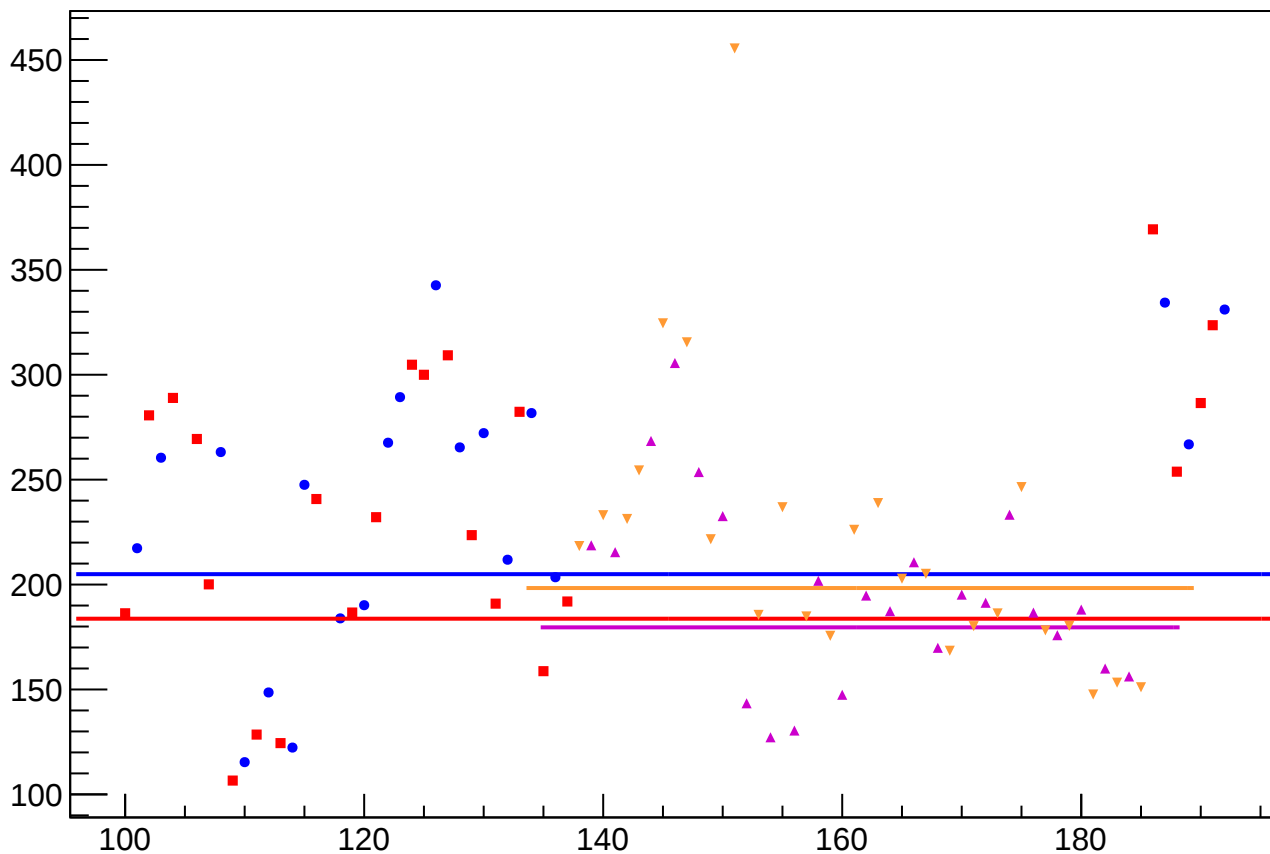
Left In: -35.879 $\pm$ 45.087 χ^2 /NDF:6.3/22

+ sign 19.709 $\pm$ 40.519 χ^2 /NDF: 19.3/44

All: -1.896 $\pm$ 27.460 χ^2 /NDF: 33.8/90

- sign -20.248 $\pm$ 37.345 χ^2 /NDF: 13.9/45

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: 183.729 $\pm$ 0.047 χ^2 /NDF: 2152911.4/22

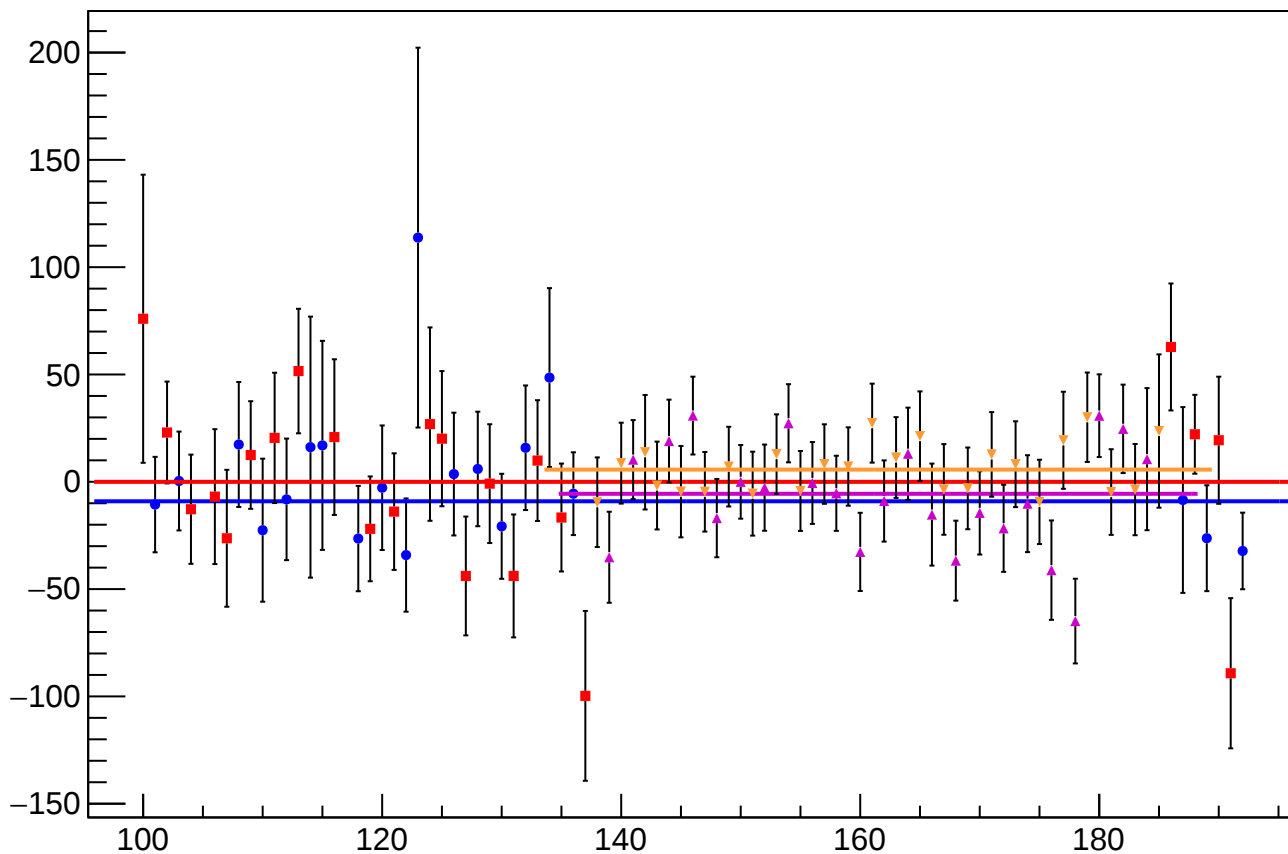
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF:1575744.0/22

+ sign 200.233 $\pm$ 0.029 χ^2 /NDF: 3181553.7/44

All: 189.780 $\pm$ 0.019 χ^2 /NDF: 7161659.4/90

- sign 180.900 $\pm$ 0.026 χ^2 /NDF: 3733908.3/45

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: -0.029 $\pm$ 5.969 χ^2/NDF : 33.9/22

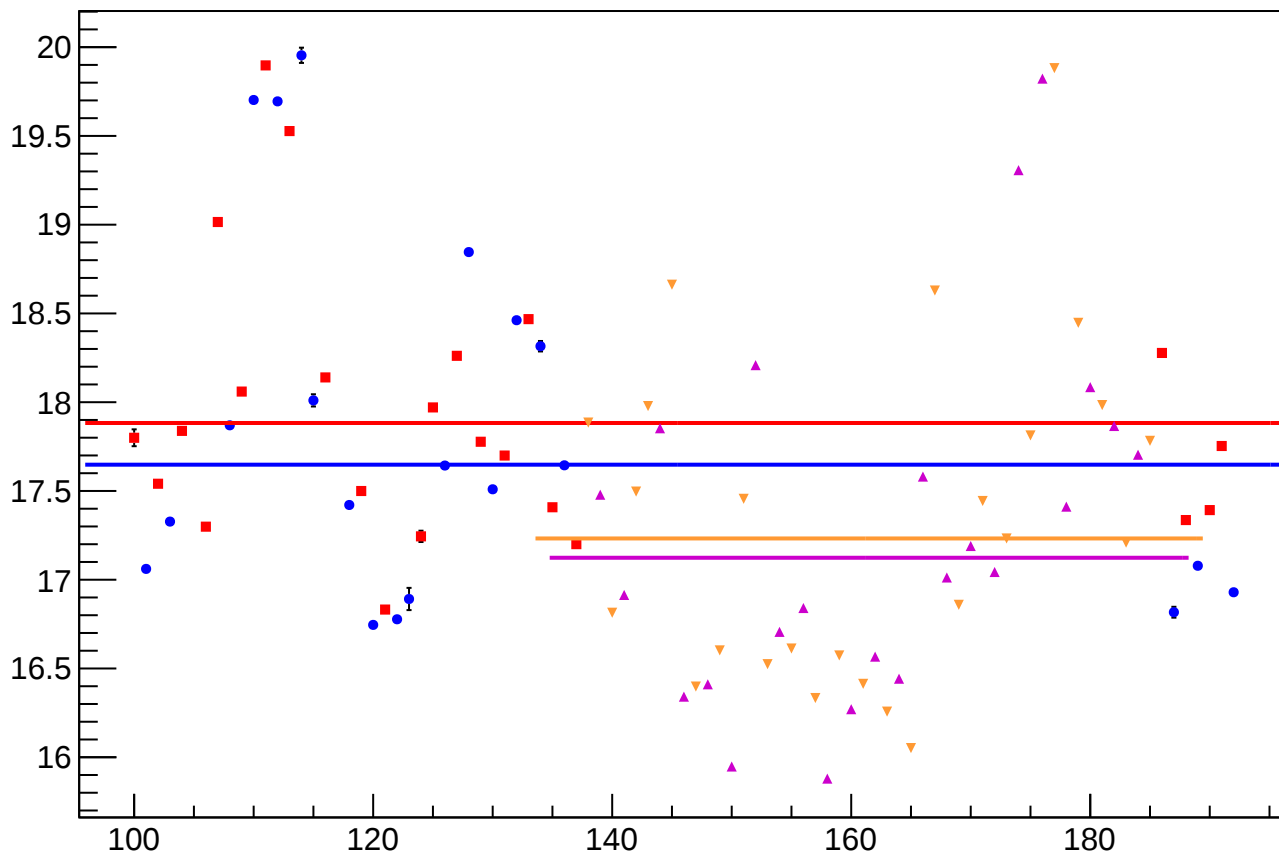
Left In: -5.595 $\pm$ 4.121 χ^2/NDF : 36.4/22

+ sign 1.258 $\pm$ 3.368 χ^2/NDF : 22.4/44

All: -1.252 $\pm$ 2.390 χ^2/NDF : 94.4/90

- sign -3.798 $\pm$ 3.391 χ^2/NDF : 70.9/45

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: 17.883 $\pm$ 0.004 χ^2 /NDF: 28327.8/22

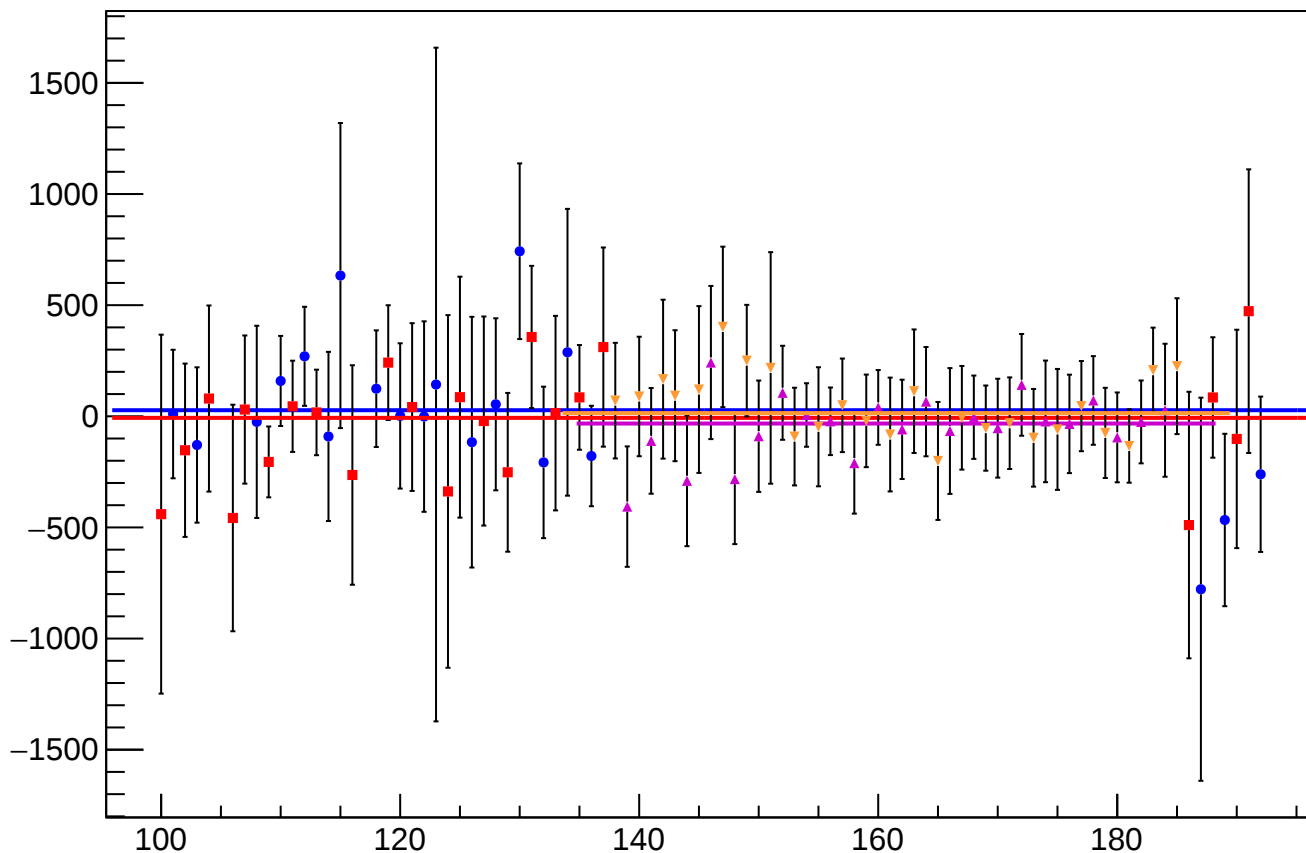
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.357 $\pm$ 0.002 χ^2 /NDF: 143676.6/44

All: 17.363 $\pm$ 0.002 χ^2 /NDF: 294674.1/90

- sign 17.369 $\pm$ 0.002 χ^2 /NDF: 150985.1/45

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: -7.054 $\pm$ 67.231 χ^2 /NDF: 8.1/22

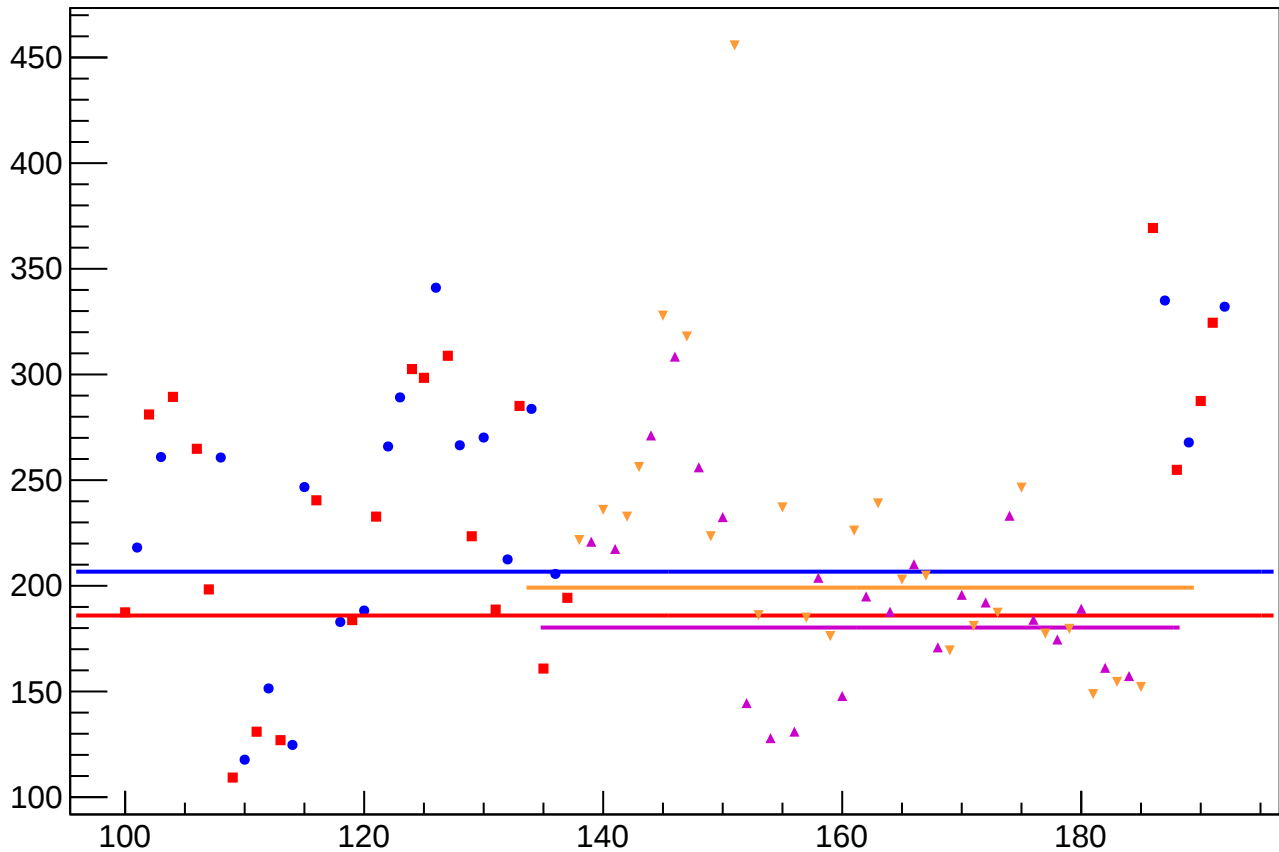
Left In: -32.571 $\pm$ 45.248 χ^2 /NDF: 6.7/22

+ sign 18.063 $\pm$ 40.707 χ^2 /NDF: 17.8/44

All: -5.003 $\pm$ 27.596 χ^2 /NDF: 33.3/90

- sign -24.616 $\pm$ 37.538 χ^2 /NDF: 14.9/45

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: 185.949 $\pm$ 0.048 χ^2 /NDF: 2051492.6/22

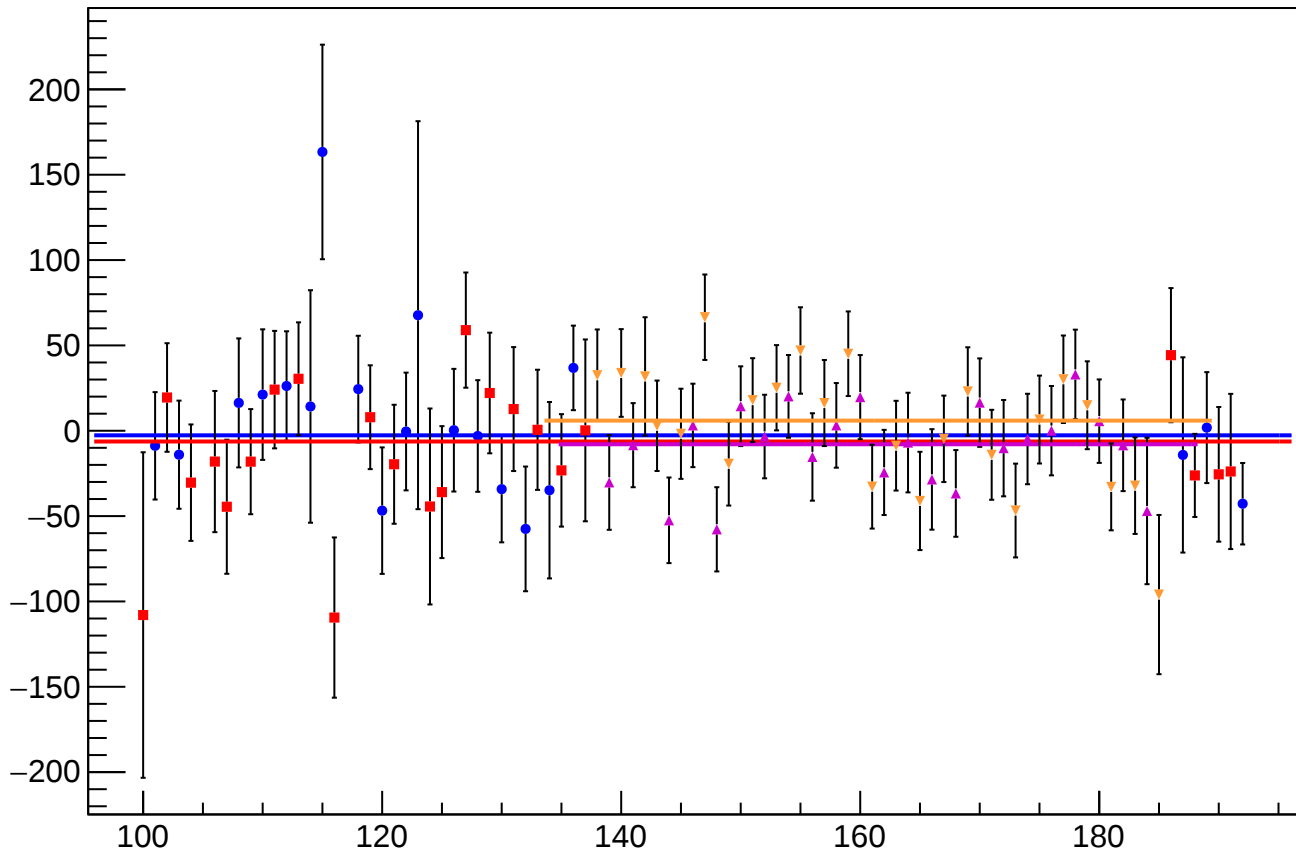
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF:1580553.5/22

+ sign 201.286 $\pm$ 0.029 χ^2 /NDF: 3124986.0/44

All: 190.880 $\pm$ 0.020 χ^2 /NDF: 7008749.8/90

- sign 182.031 $\pm$ 0.027 χ^2 /NDF: 3641914.2/45

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.678 ± 7.905 $\chi^2/\text{NDF}: 20.3/19$

Left Out: 5.937 ± 5.285 $\chi^2/\text{NDF}: 36.1/24$

Right Out: -6.296 ± 7.599 $\chi^2/\text{NDF}: 19.4/22$

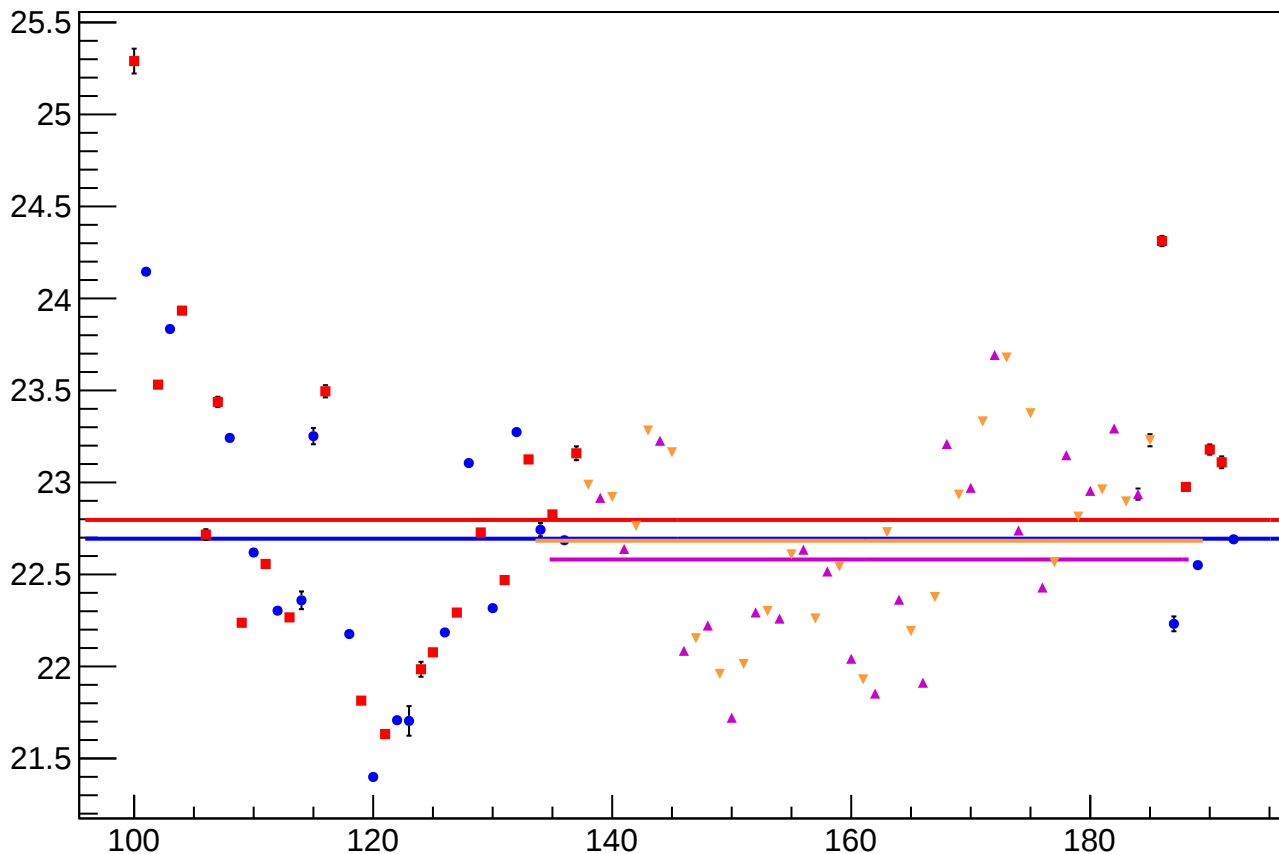
Left In: -7.915 ± 5.422 $\chi^2/\text{NDF}: 18.7/22$

+ sign 3.276 ± 4.394 $\chi^2/\text{NDF}: 57.3/44$

All: -2.022 ± 3.114 $\chi^2/\text{NDF}: 98.3/90$

- sign -7.369 ± 4.414 $\chi^2/\text{NDF}: 38.1/45$

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: 22.796 $\pm$ 0.005 χ^2 /NDF: 16570.0/22

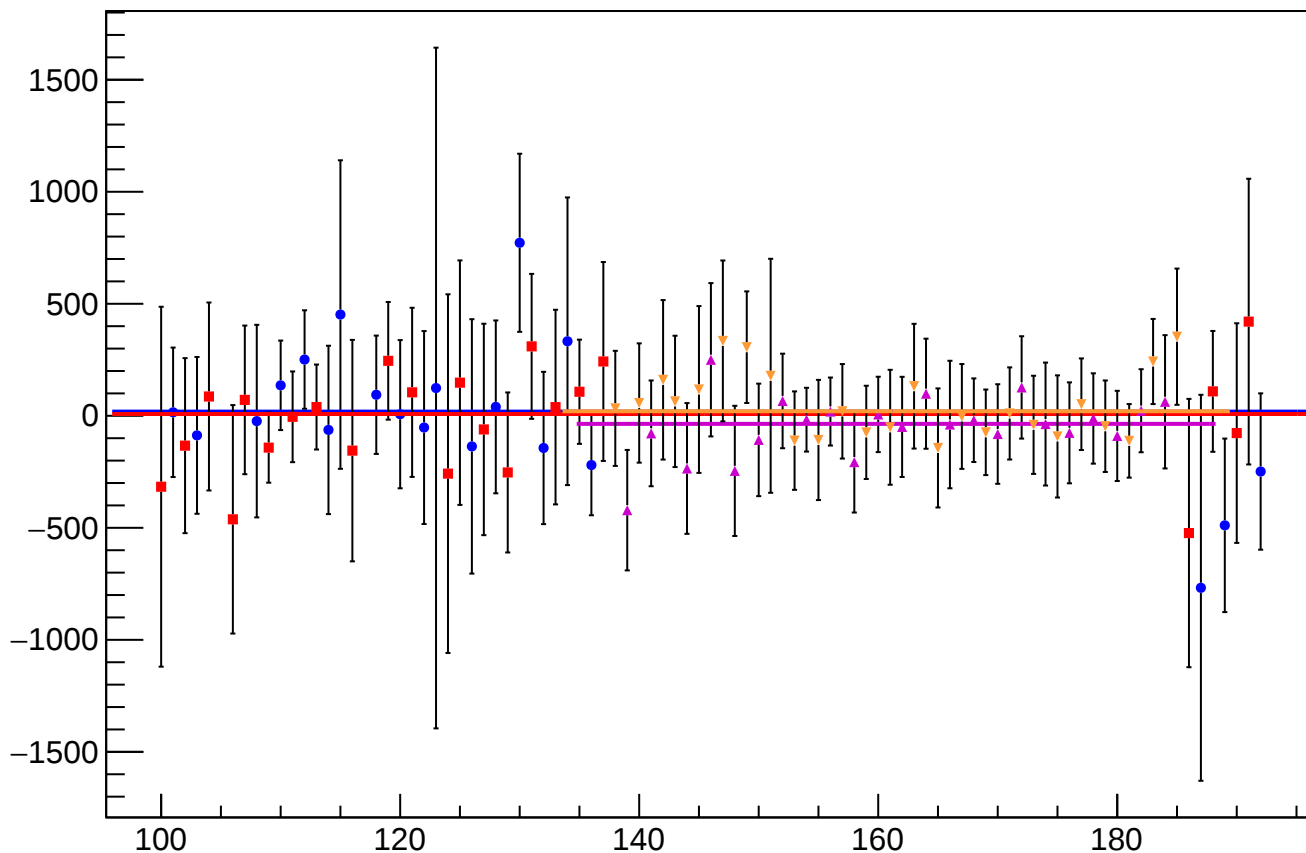
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF: 17904.5/22

+ sign 22.687 $\pm$ 0.003 χ^2 /NDF: 30563.3/44

All: 22.670 $\pm$ 0.002 χ^2 /NDF: 66153.7/90

- sign 22.654 $\pm$ 0.003 χ^2 /NDF: 35534.9/45

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: 8.052 $\pm$ 66.787 χ^2 /NDF: 6.6/22

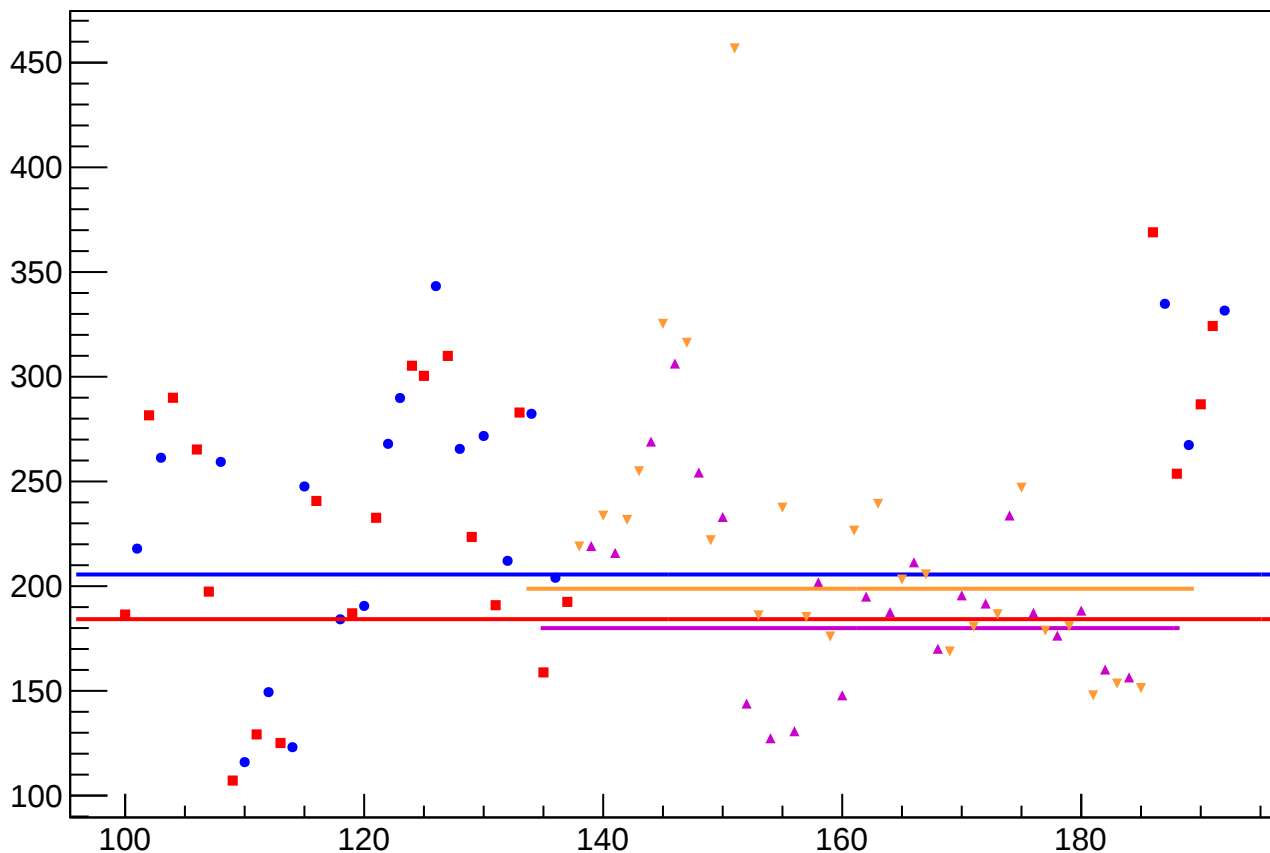
Left In: -35.996 $\pm$ 45.180 χ^2 /NDF: 6.1/22

+ sign 19.837 $\pm$ 40.612 χ^2 /NDF: 18.2/44

All: -2.879 $\pm$ 27.520 χ^2 /NDF: 31.8/90

- sign -22.167 $\pm$ 37.422 χ^2 /NDF: 13.0/45

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 205.580 ± 0.054 χ^2/NDF : 1395682.6/19

Left Out: 198.784 ± 0.034 χ^2/NDF : 1758481.8/24

Right Out: 184.249 ± 0.047 χ^2/NDF : 2129574.9/22

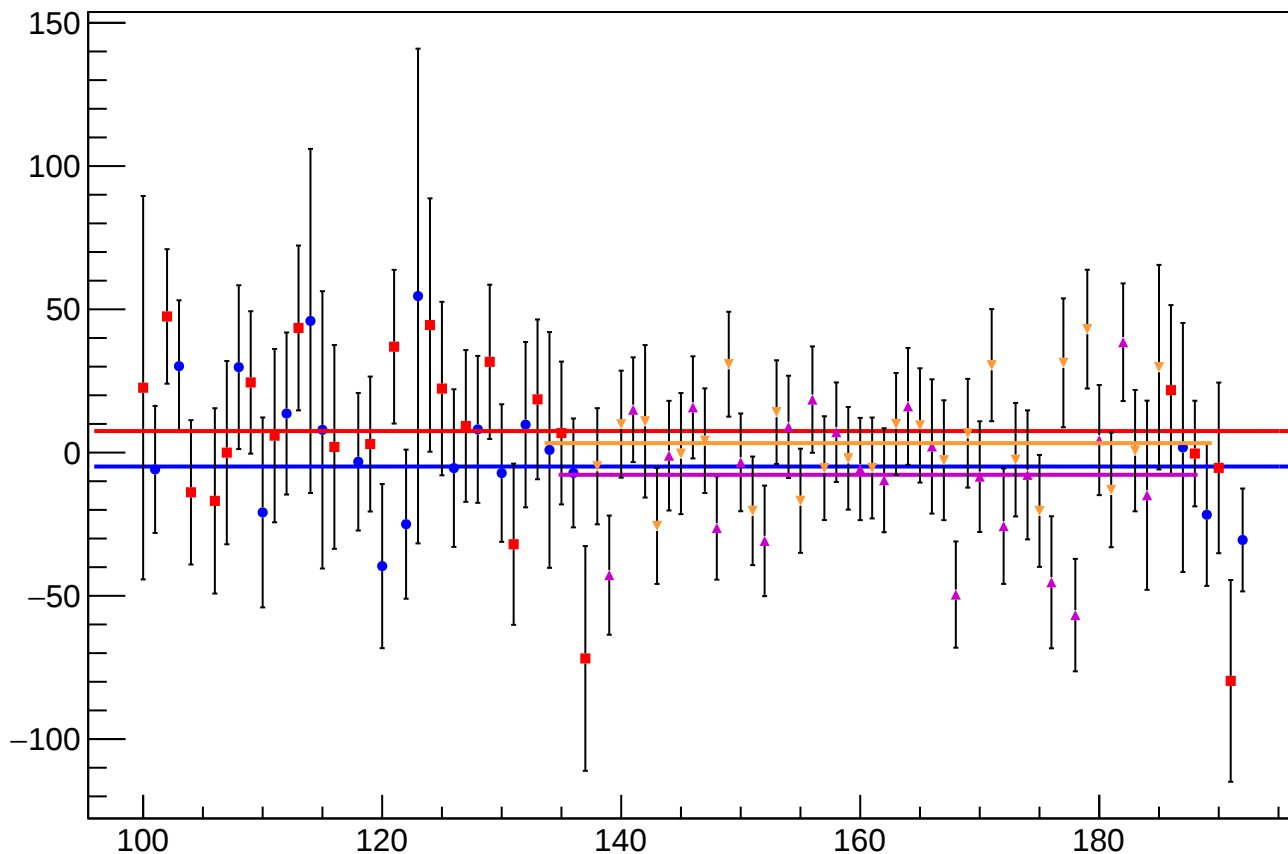
Left In: 179.972 ± 0.032 χ^2/NDF : 1575888.3/22

+ sign 200.725 ± 0.029 χ^2/NDF : 3165590.9/44

All: 190.228 ± 0.019 χ^2/NDF : 7123755.4/90

- sign 181.315 ± 0.026 χ^2/NDF : 3711090.1/45

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.869 ± 6.089 χ^2/NDF : 10.9/19

Left Out: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: 7.514 ± 5.905 χ^2/NDF : 22.3/22

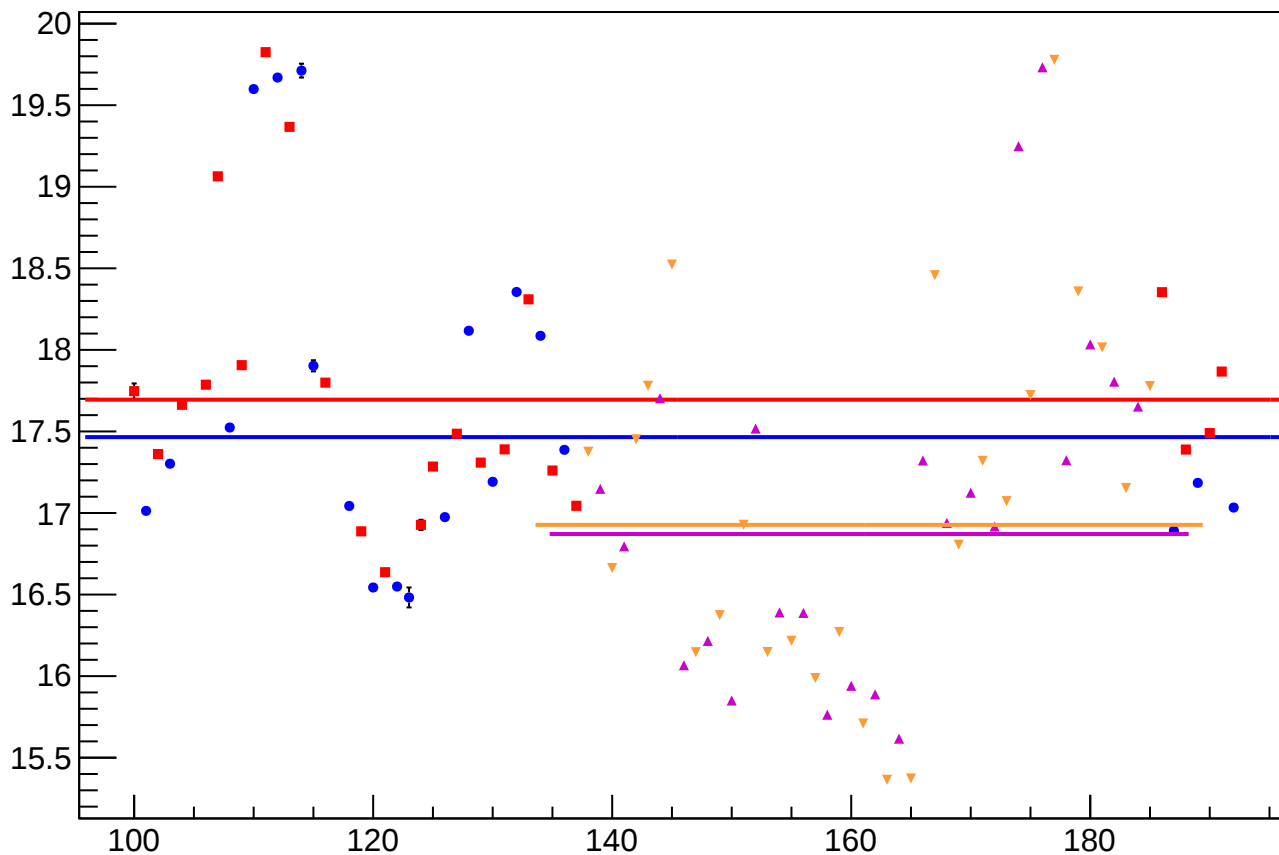
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 0.882 ± 3.316 χ^2/NDF : 30.8/44

All: -0.969 ± 2.355 χ^2/NDF : 92.6/90

- sign -2.854 ± 3.346 χ^2/NDF : 61.1/45

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: 17.695 $\pm$ 0.004 χ^2 /NDF: 31934.0/22

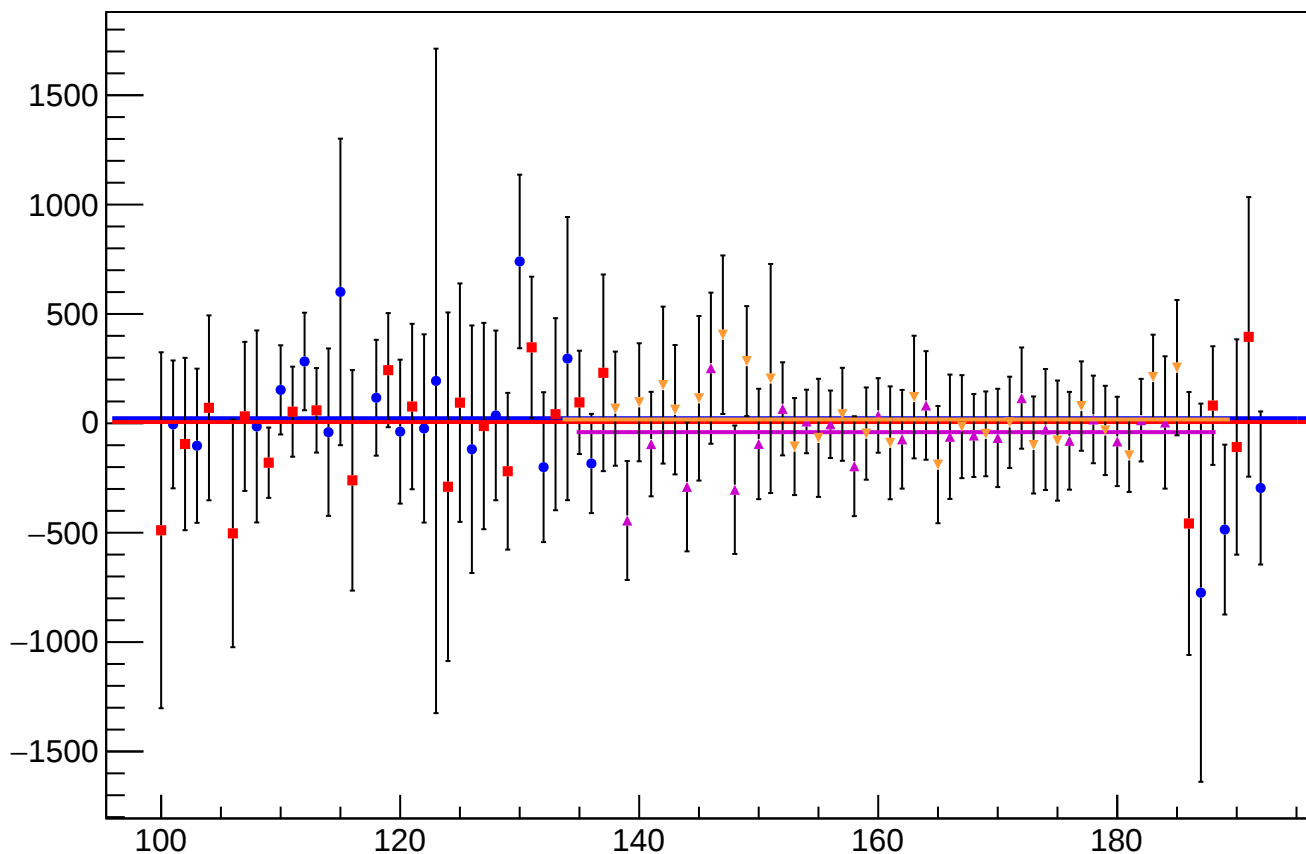
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.087 $\pm$ 0.002 χ^2 /NDF: 185619.3/44

All: 17.111 $\pm$ 0.002 χ^2 /NDF: 362173.4/90

- sign 17.136 $\pm$ 0.002 χ^2 /NDF: 176338.9/45

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: 5.987 $\pm$ 67.662 χ^2 /NDF: 7.2/22

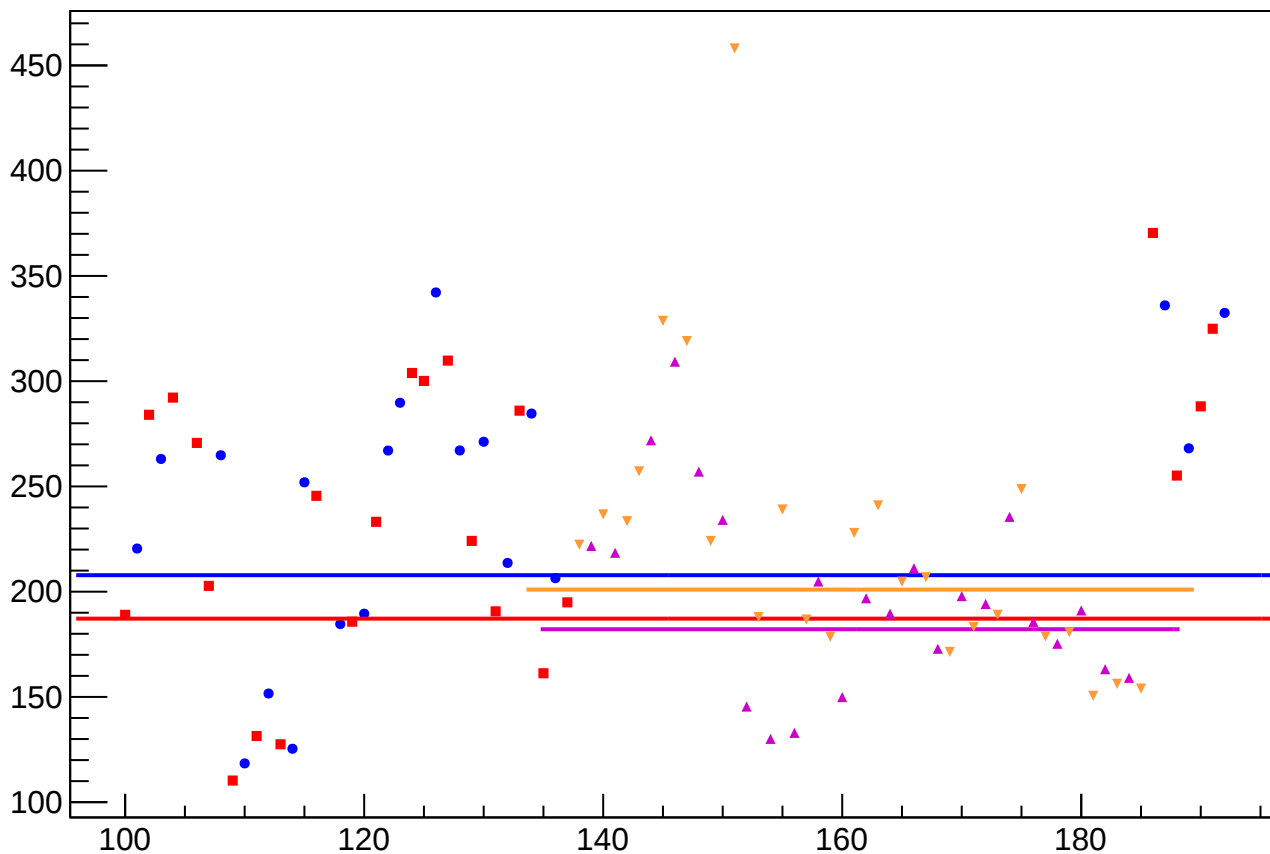
Left In: -40.355 $\pm$ 45.689 χ^2 /NDF: 6.6/22

+ sign 19.415 $\pm$ 41.022 χ^2 /NDF: 18.4/44

All: -5.022 $\pm$ 27.824 χ^2 /NDF: 33.2/90

- sign -25.842 $\pm$ 37.865 χ^2 /NDF: 14.2/45

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: 187.191 $\pm$ 0.048 χ^2 /NDF: 2051875.2/22

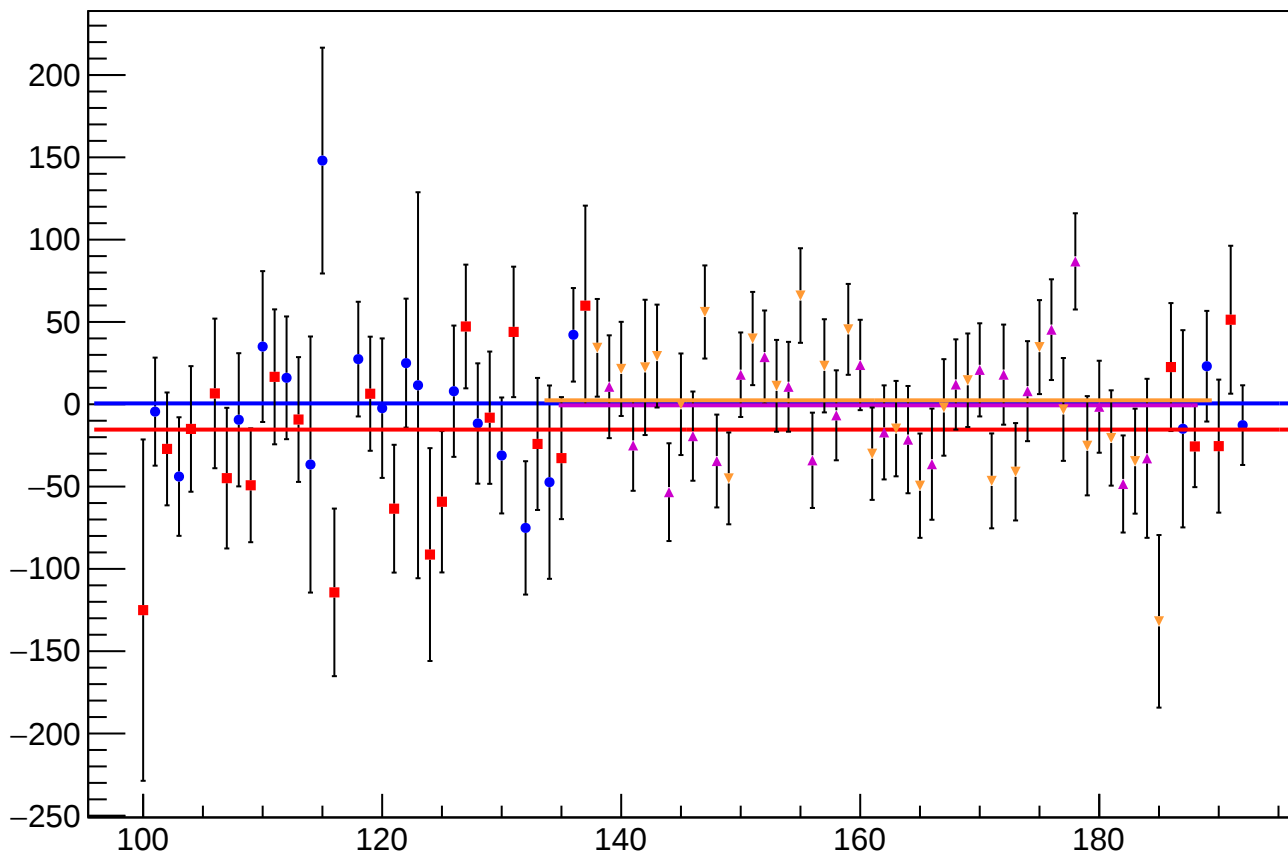
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF: 1535922.8/22

+ sign 202.944 $\pm$ 0.029 χ^2 /NDF: 3088375.8/44

All: 192.571 $\pm$ 0.020 χ^2 /NDF: 6920580.0/90

- sign 183.734 $\pm$ 0.027 χ^2 /NDF: 3595397.4/45

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: -15.384 ± 8.320 χ^2/NDF : 21.9/22

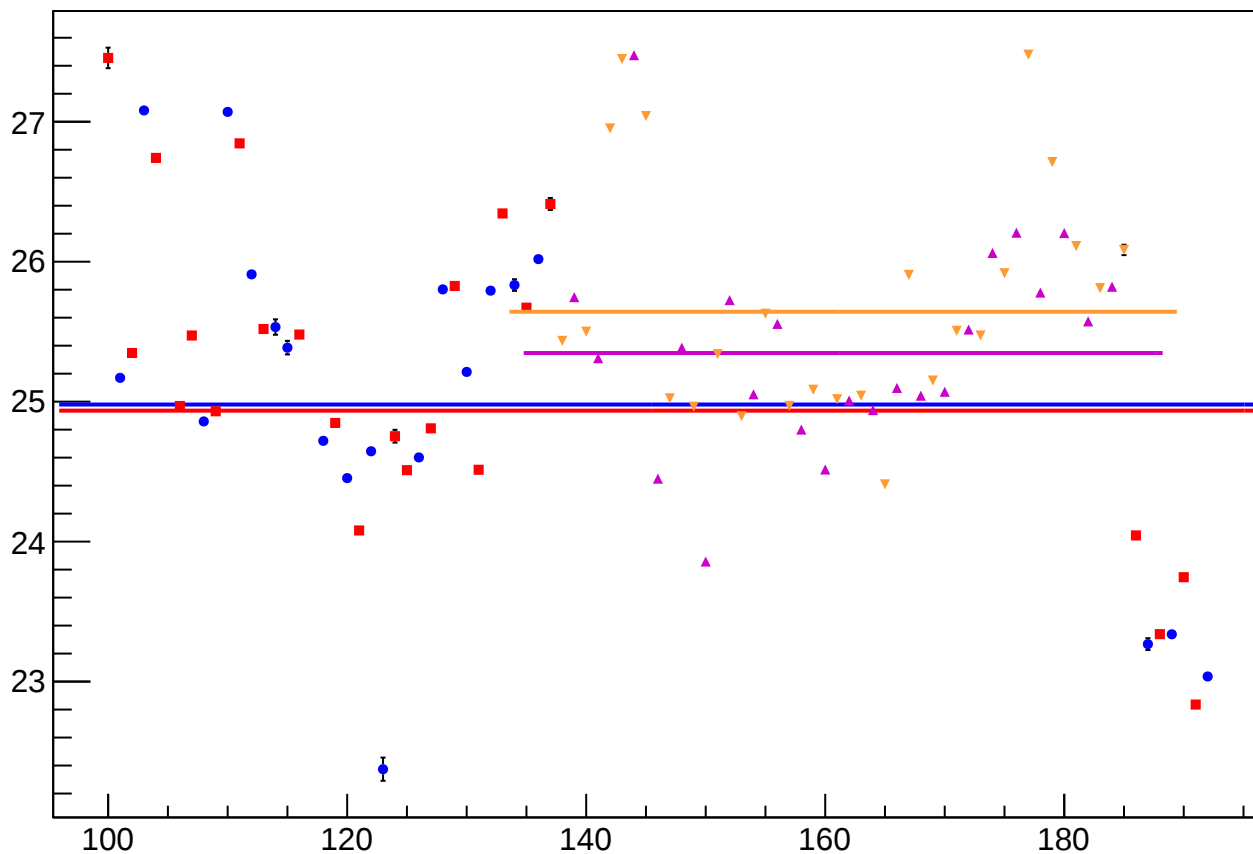
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 1.793 ± 4.930 χ^2/NDF : 55.4/44

All: -2.008 ± 3.481 χ^2/NDF : 107.9/90

- sign -5.786 ± 4.915 χ^2/NDF : 51.3/45

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.979 $\pm$ 0.006 χ^2 /NDF: 38504.2/19

Left Out: 25.642 $\pm$ 0.004 χ^2 /NDF: 34802.2/24

Right Out: 24.936 $\pm$ 0.006 χ^2 /NDF: 33684.0/22

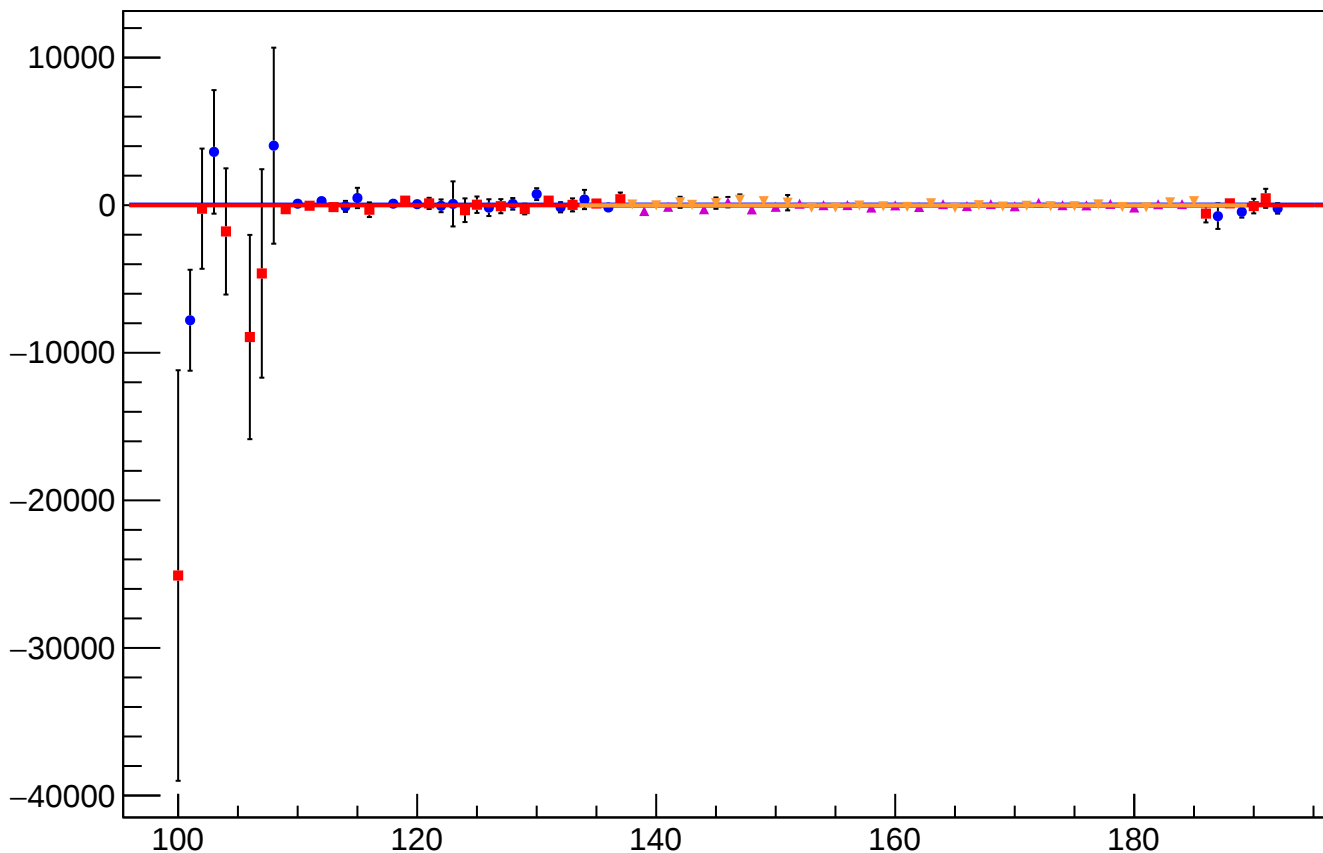
Left In: 25.347 $\pm$ 0.004 χ^2 /NDF: 29389.5/22

+ sign 25.430 $\pm$ 0.003 χ^2 /NDF: 81177.9/44

All: 25.317 $\pm$ 0.002 χ^2 /NDF: 149549.7/90

- sign 25.204 $\pm$ 0.003 χ^2 /NDF: 66260.5/45

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 40.174+/-82.969 χ^2/NDF : 15.7/19

Left Out: -11.432+/-48.263 χ^2/NDF : 8.0/24

Right Out: -10.867+/-75.470 χ^2/NDF : 13.7/22

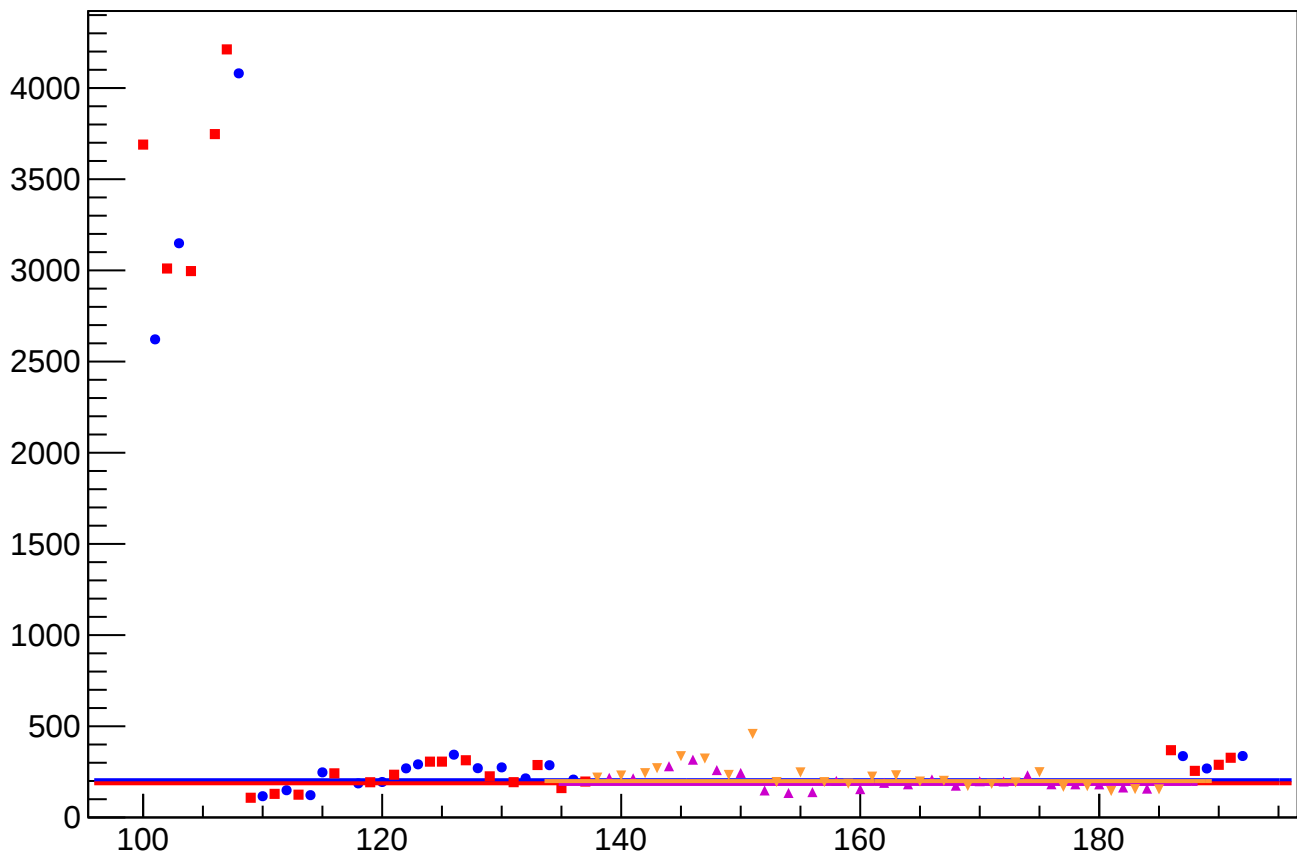
Left In: -27.098+/-45.999 χ^2/NDF : 7.2/22

+ sign 1.616+/-41.718 χ^2/NDF : 24.0/44

All: -11.275+/-28.597 χ^2/NDF : 45.1/90

- sign -22.702+/-39.278 χ^2/NDF : 20.9/45

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: 187.369 $\pm$ 0.053 χ^2 /NDF: 4752487.4/22

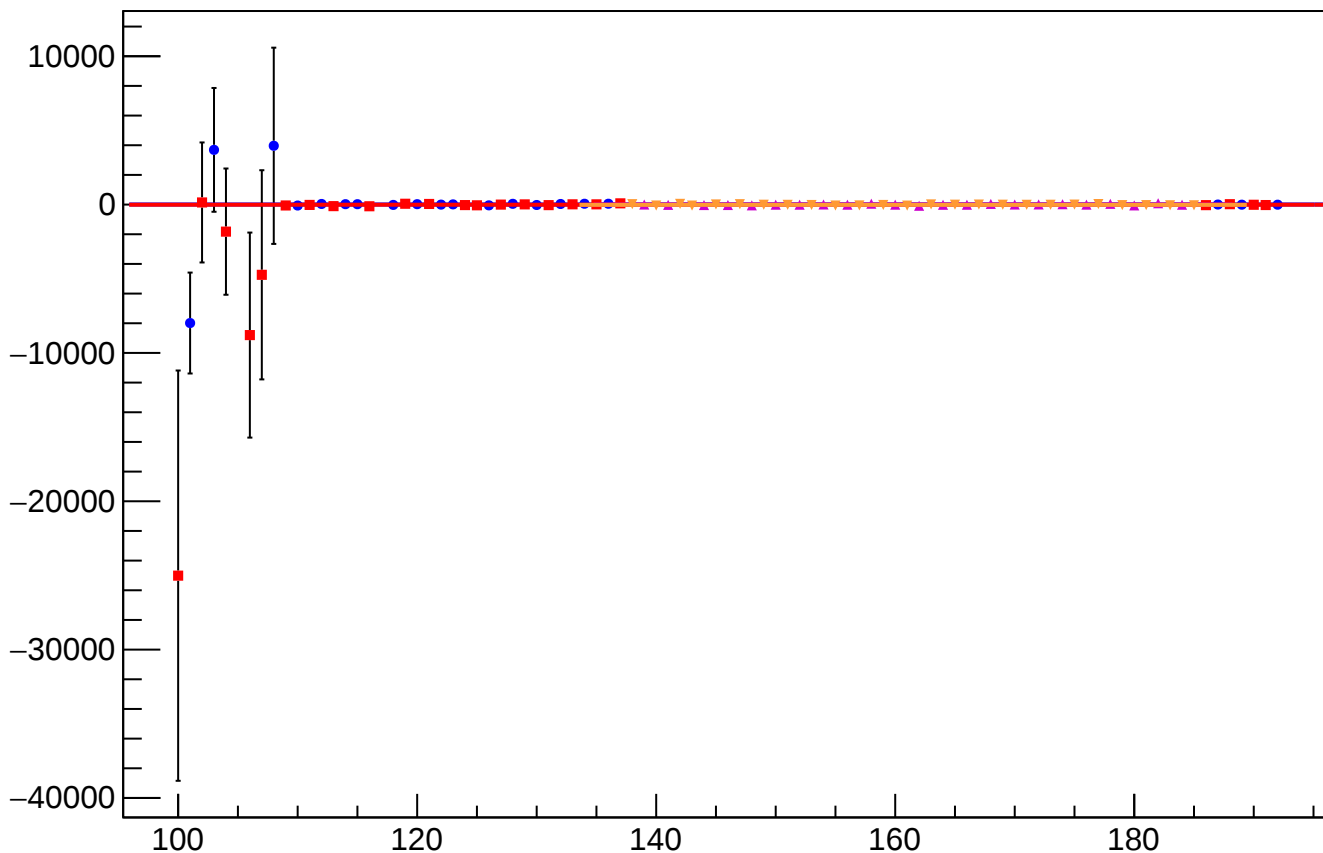
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF: 1412869.6/22

+ sign 200.651 $\pm$ 0.029 χ^2 /NDF: 5880590.9/44

All: 192.233 $\pm$ 0.020 χ^2 /NDF: 12202835.6/90

- sign 184.770 $\pm$ 0.028 χ^2 /NDF: 6168609.5/45

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: -9.249 $\pm$ 10.555 χ^2 /NDF: 25.8/22

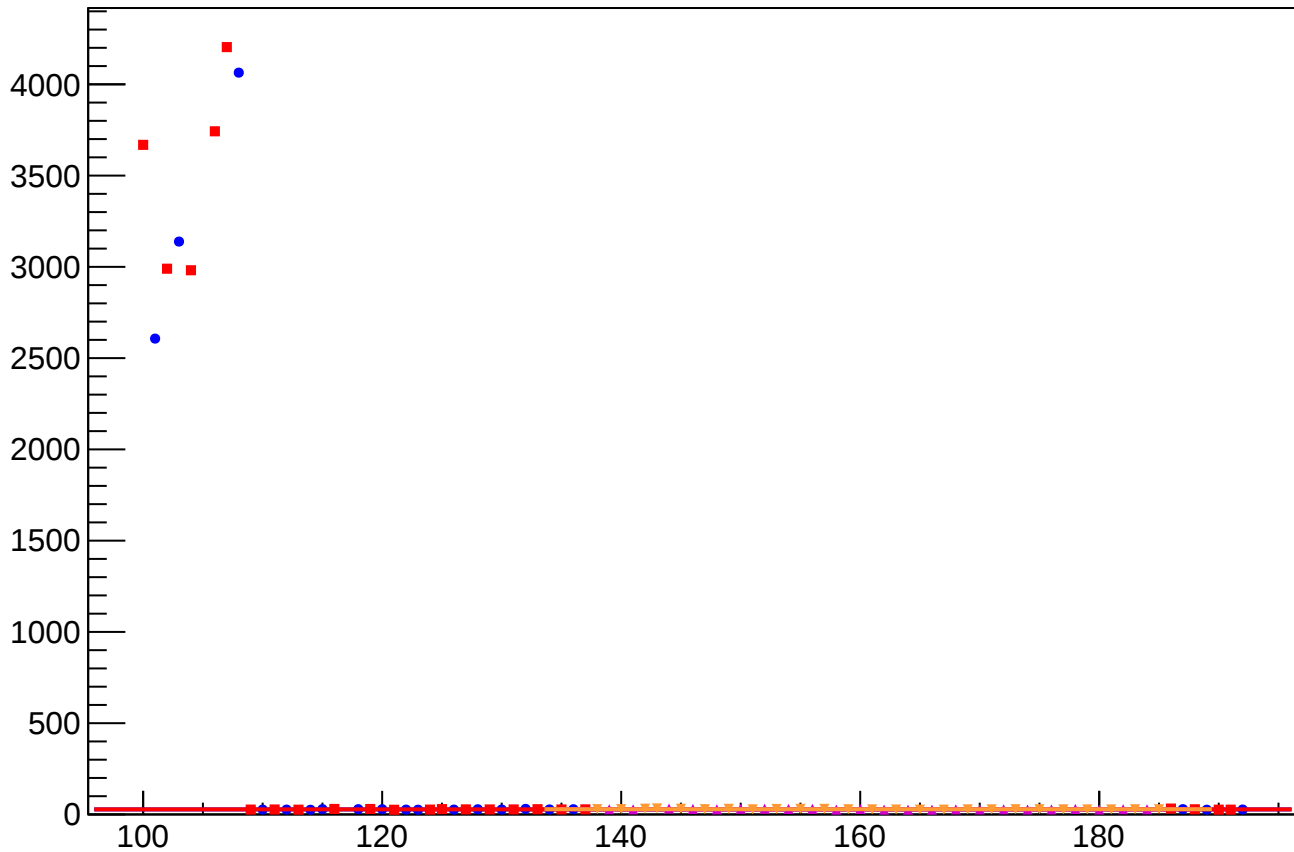
Left In: -1.267 $\pm$ 6.908 χ^2 /NDF: 32.0/22

+ sign -10.937 $\pm$ 5.672 χ^2 /NDF: 44.6/44

All: -7.368 $\pm$ 4.048 χ^2 /NDF: 103.6/90

- sign -3.661 $\pm$ 5.780 χ^2 /NDF: 58.2/45

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: 27.817 $\pm$ 0.007 χ^2 /NDF: 3496096.7/22

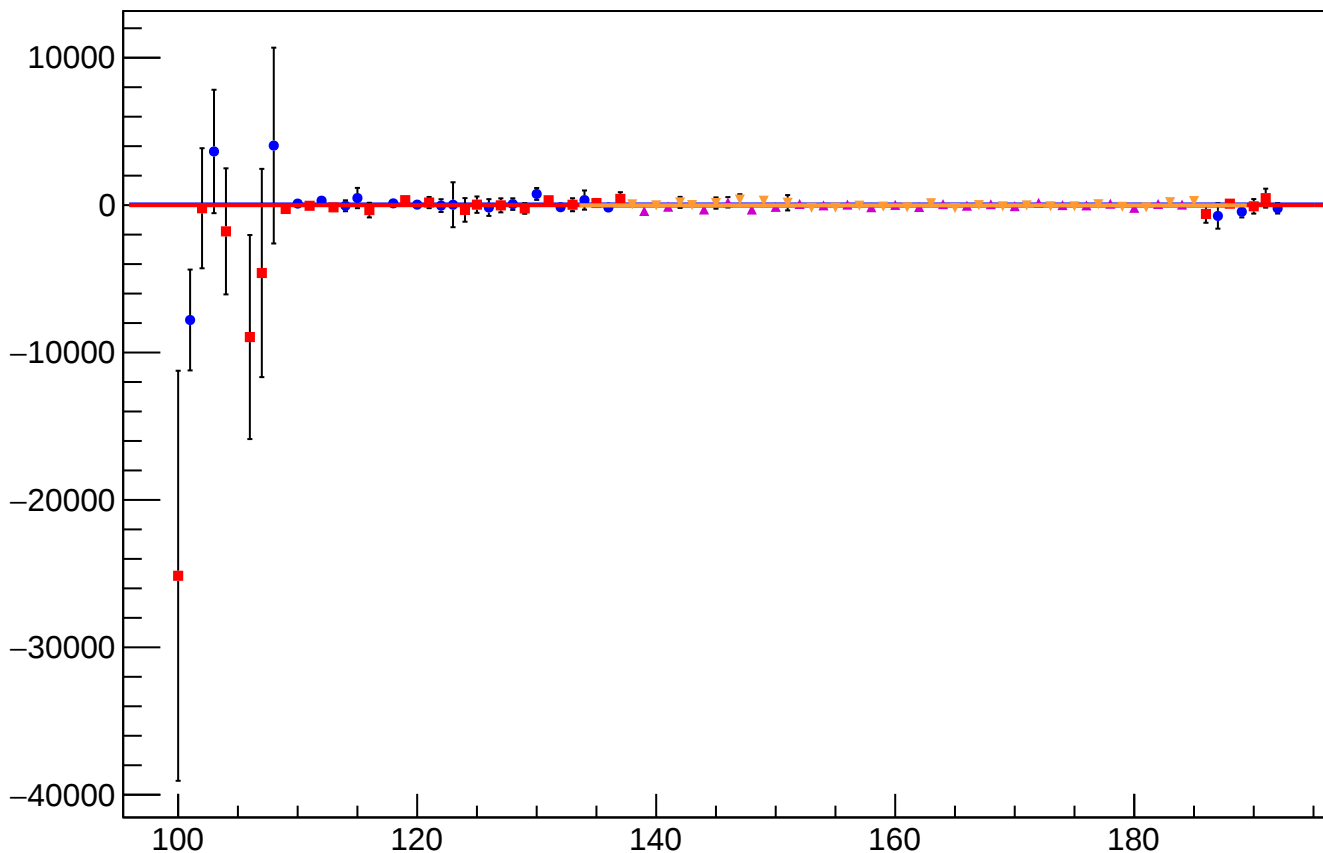
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.382 $\pm$ 0.004 χ^2 /NDF: 3159320.2/44

All: 28.400 $\pm$ 0.003 χ^2 /NDF: 6788556.4/90

- sign 28.419 $\pm$ 0.004 χ^2 /NDF: 3629195.1/45

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 44.831 ± 82.723 χ^2/NDF : 16.0/19

Left Out: -13.878 ± 48.155 χ^2/NDF : 8.8/24

Right Out: -5.217 ± 75.257 χ^2/NDF : 14.5/22

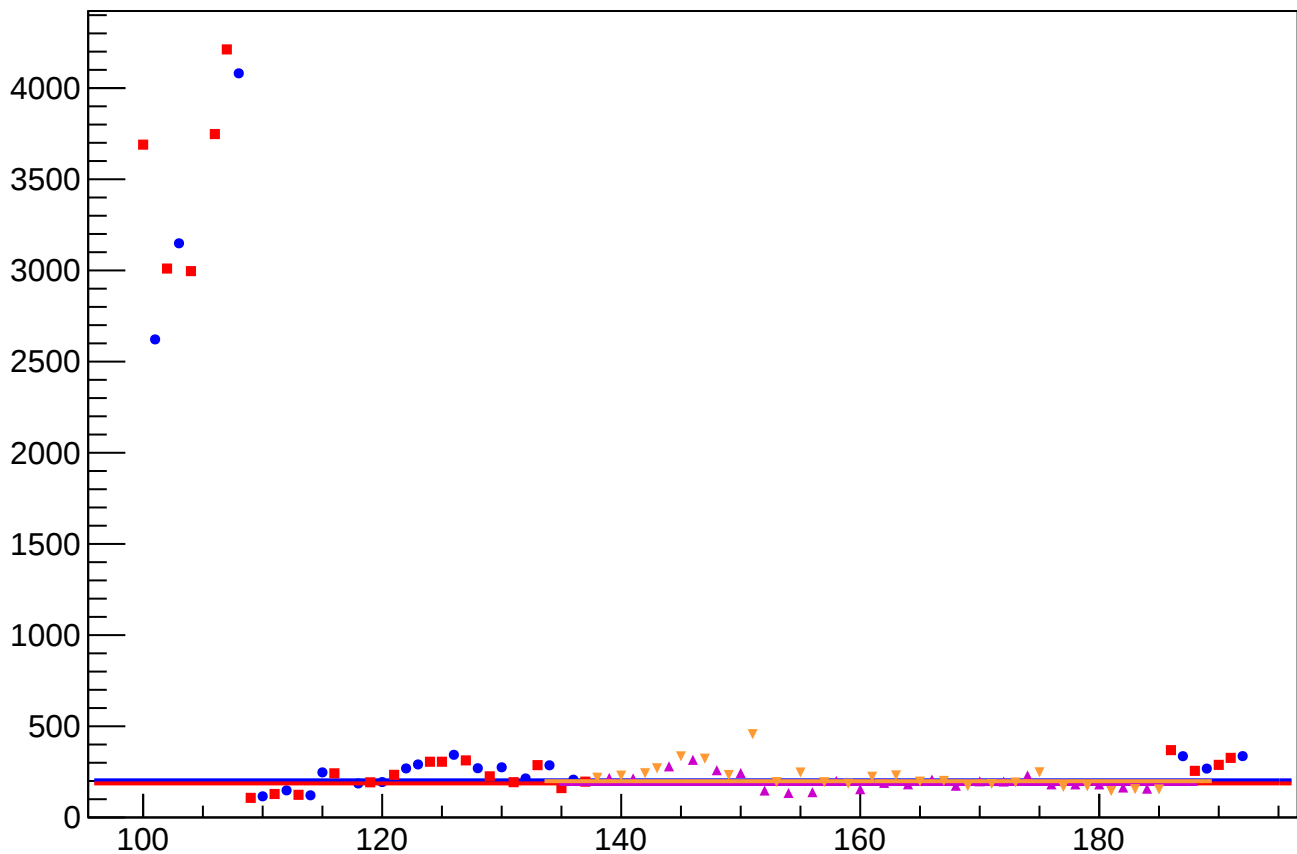
Left In: -27.286 ± 45.907 χ^2/NDF : 7.5/22

+ sign 0.982 ± 41.617 χ^2/NDF : 25.2/44

All: -10.828 ± 28.531 χ^2/NDF : 47.3/90

- sign -21.301 ± 39.191 χ^2/NDF : 22.0/45

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: 186.711 $\pm$ 0.053 χ^2 /NDF: 4769797.9/22

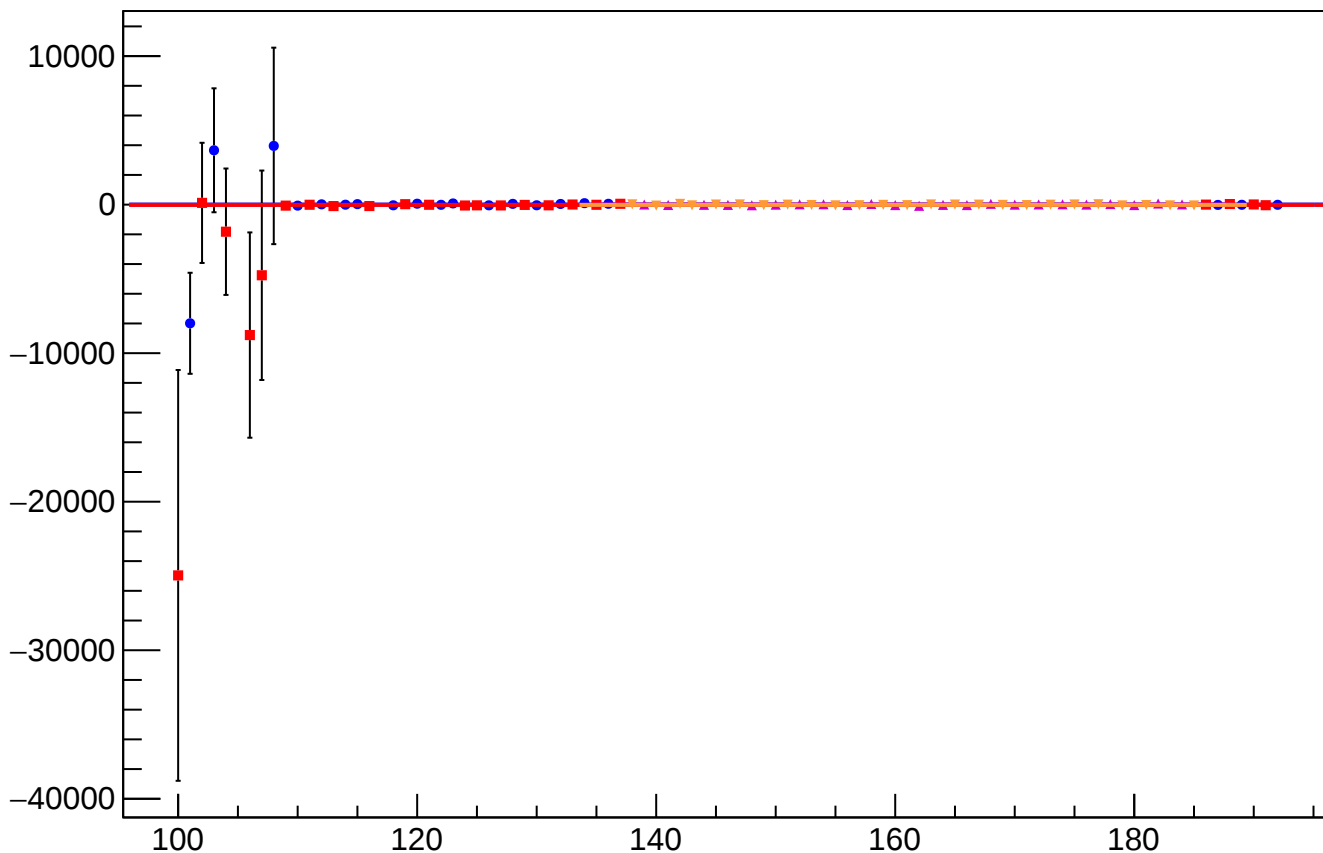
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF:1412341.8/22

+ sign 200.140 $\pm$ 0.029 χ^2 /NDF: 5894409.0/44

All: 191.760 $\pm$ 0.020 χ^2 /NDF: 12232304.2/90

- sign 184.328 $\pm$ 0.028 χ^2 /NDF: 6184890.8/45

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 4.478+/-10.693 χ^2/NDF : 23.2/19

Left Out: -15.829+/-6.733 χ^2/NDF :16.5/24

Right Out: -16.939+/-10.599 χ^2/NDF : 21.3/22

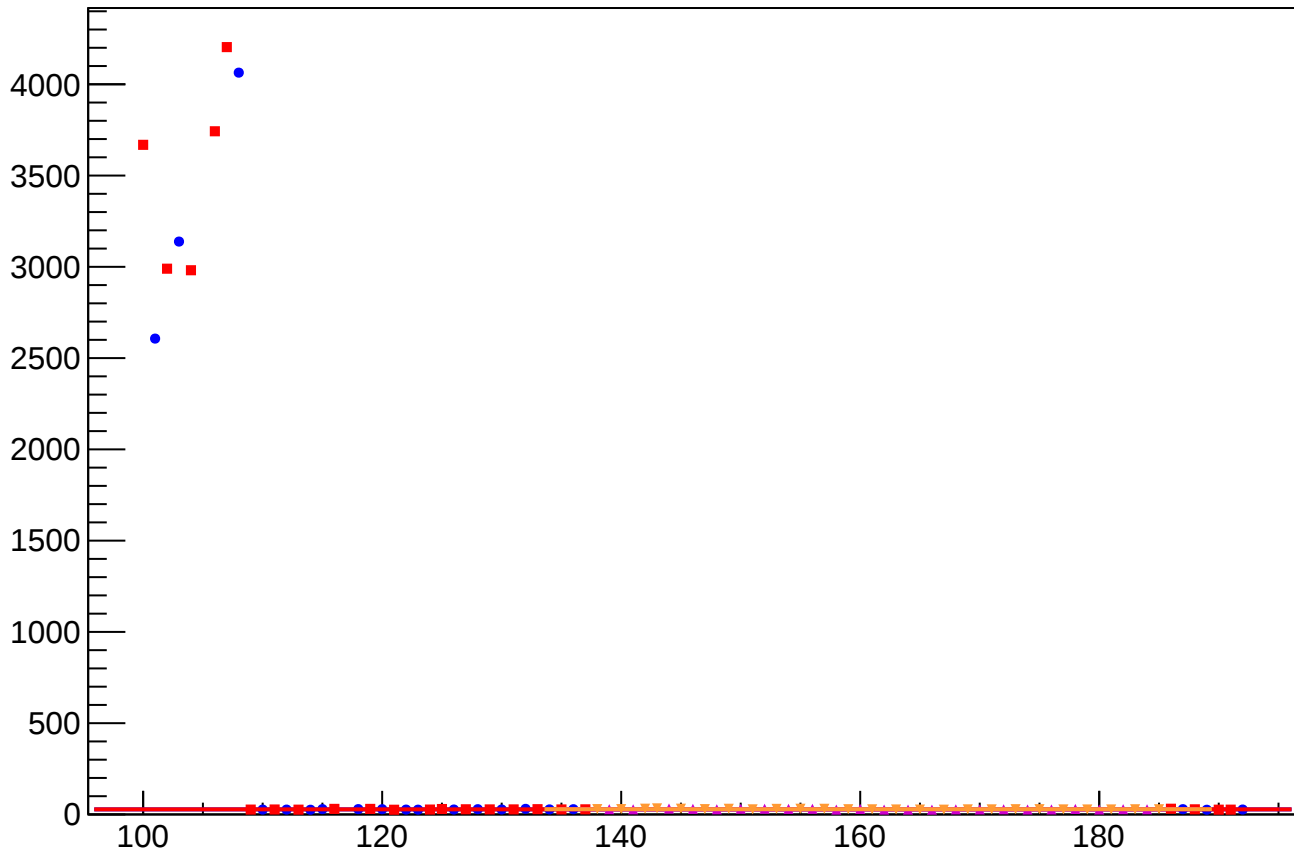
Left In: 0.498+/-6.937 χ^2/NDF :26.1/22

+ sign -10.064+/-5.698 χ^2/NDF : 42.3/44

All: -7.447+/-4.066 χ^2/NDF : 92.0/90

- sign -4.731+/-5.804 χ^2/NDF : 49.3/45

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.723+/-0.008 χ^2/NDF : 3035896.6/19

Left Out: 28.814+/-0.005 χ^2/NDF : 122153.6/24

Right Out: 27.934+/-0.007 χ^2/NDF : 3493947.8/22

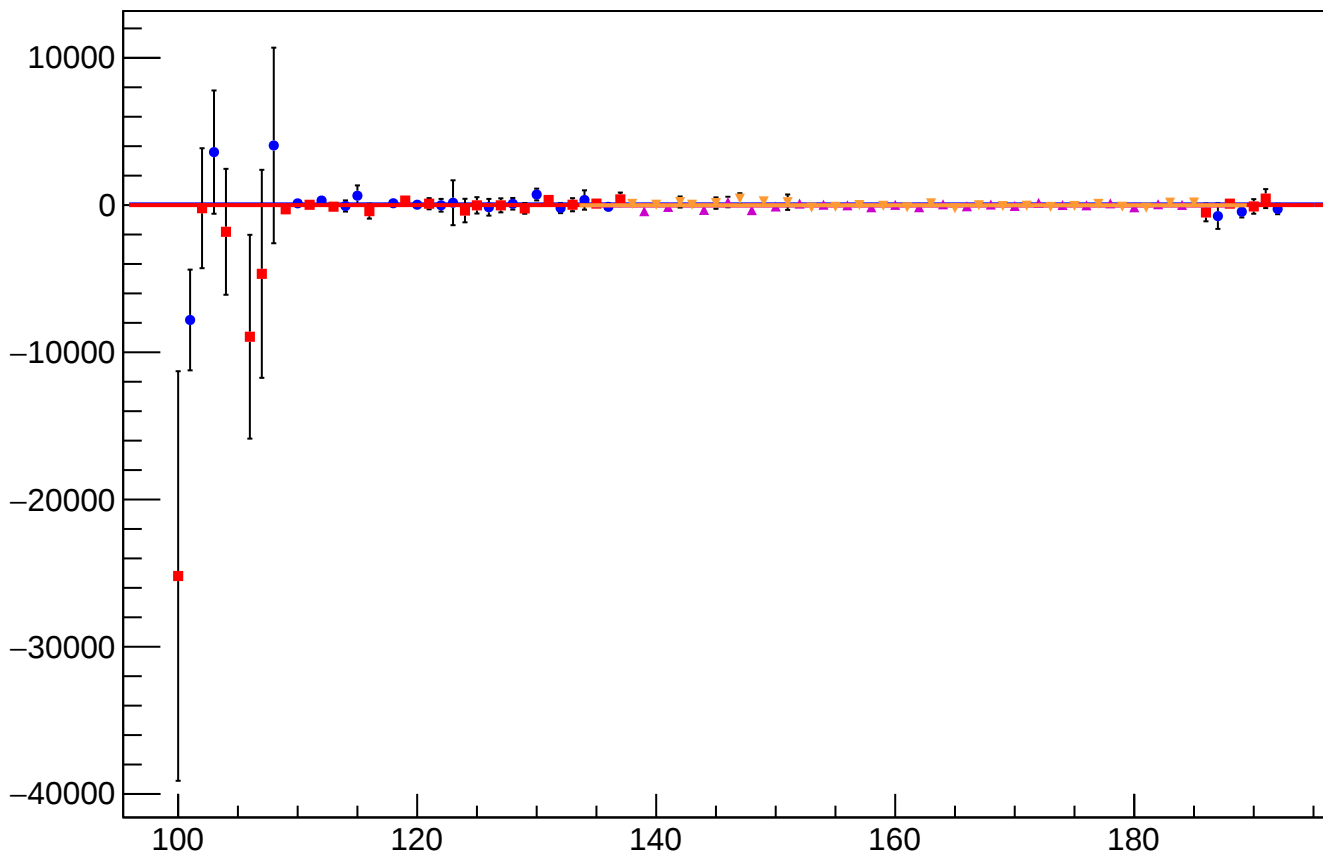
Left In: 28.797+/-0.005 χ^2/NDF : 128279.2/22

+ sign 28.505+/-0.004 χ^2/NDF : 3172960.8/44

All: 28.521+/-0.003 χ^2/NDF : 6804505.0/90

- sign 28.539+/-0.004 χ^2/NDF : 3631509.3/45

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 48.005+/-83.625 χ^2/NDF : 16.2/19

Left Out: -13.966+/-48.735 χ^2/NDF : 8.1/24

Right Out: -3.511+/-76.179 χ^2/NDF : 13.6/22

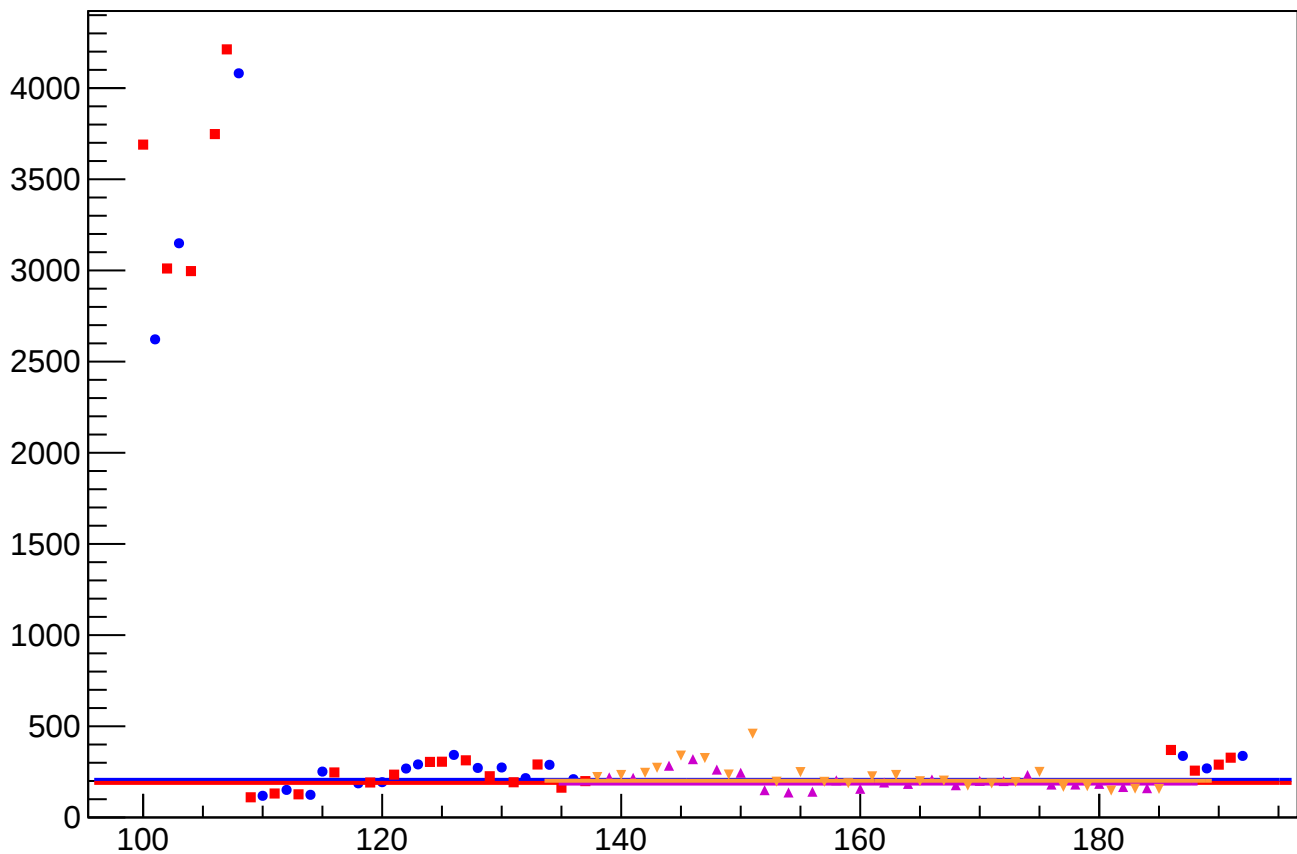
Left In: -31.477+/-46.483 χ^2/NDF : 7.8/22

+ sign 1.746+/-42.107 χ^2/NDF : 24.7/44

All: -11.832+/-28.878 χ^2/NDF : 46.4/90

- sign -23.890+/-39.679 χ^2/NDF : 21.5/45

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 206.233+/-0.059 χ^2/NDF : 3951193.5/19

Left Out: 201.503+/-0.034 χ^2/NDF : 1854905.1/24

Right Out: 189.599+/-0.054 χ^2/NDF : 4696662.0/22

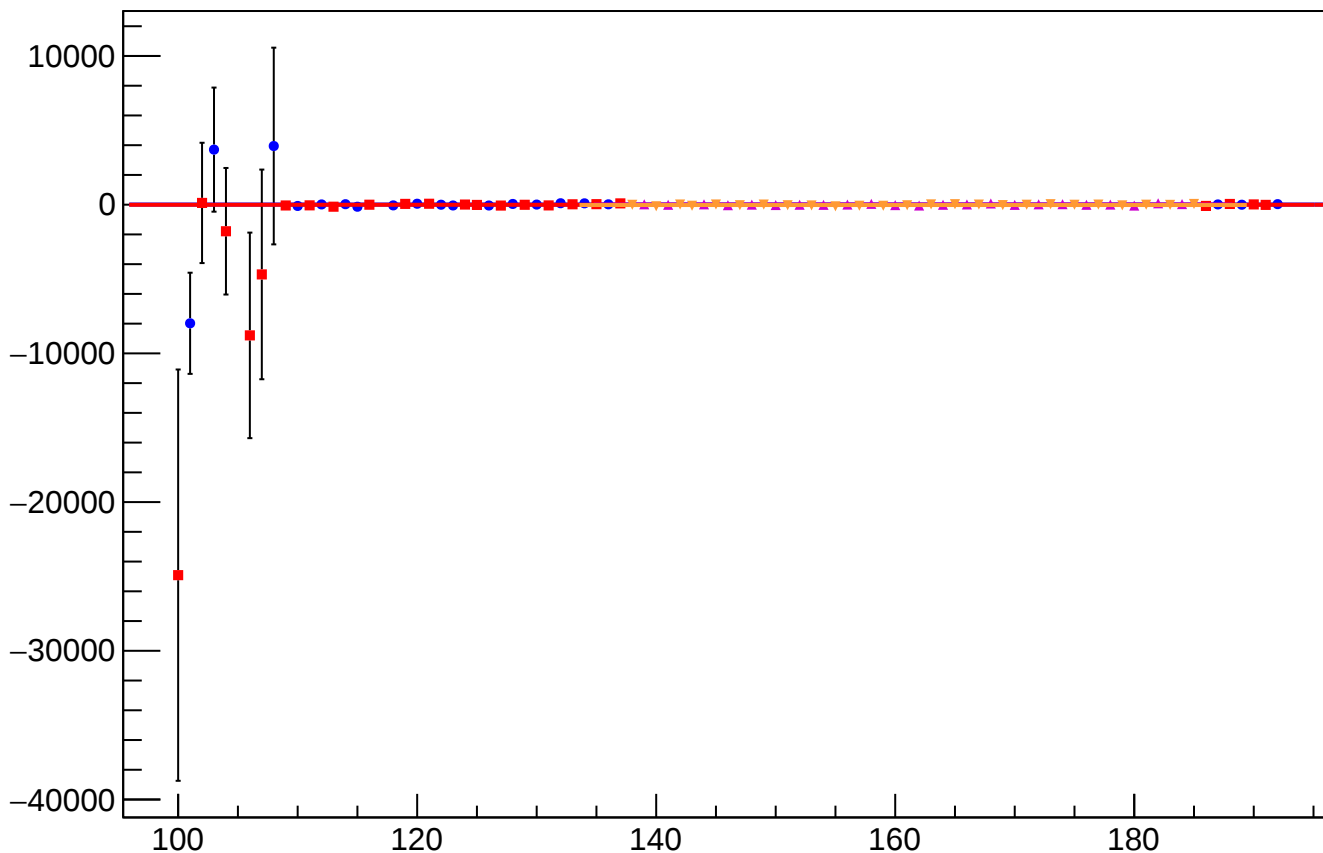
Left In: 185.878+/-0.033 χ^2/NDF : 1380877.6/22

+ sign 202.702+/-0.030 χ^2/NDF : 5810875.4/44

All: 194.326+/-0.020 χ^2/NDF : 12041313.6/90

- sign 186.888+/-0.028 χ^2/NDF : 6081016.1/45

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: -6.098 ± 12.886 χ^2/NDF : 25.4/22

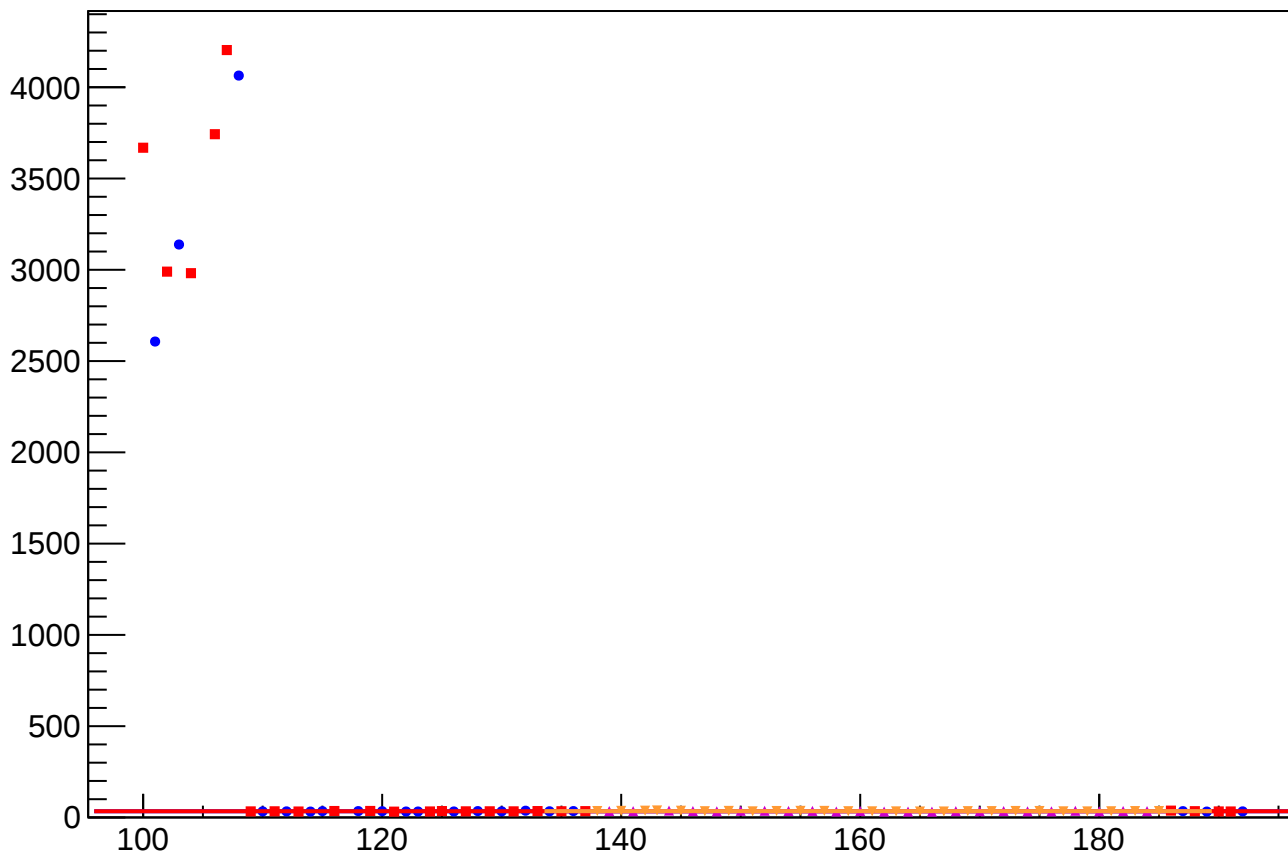
Left In: 5.924 ± 8.340 χ^2/NDF : 21.0/22

+ sign -14.736 ± 6.868 χ^2/NDF : 50.6/44

All: -6.345 ± 4.903 χ^2/NDF : 100.7/90

- sign 2.375 ± 7.001 χ^2/NDF : 47.0/45

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: 34.042 $\pm$ 0.009 χ^2 /NDF: 3459808.3/22

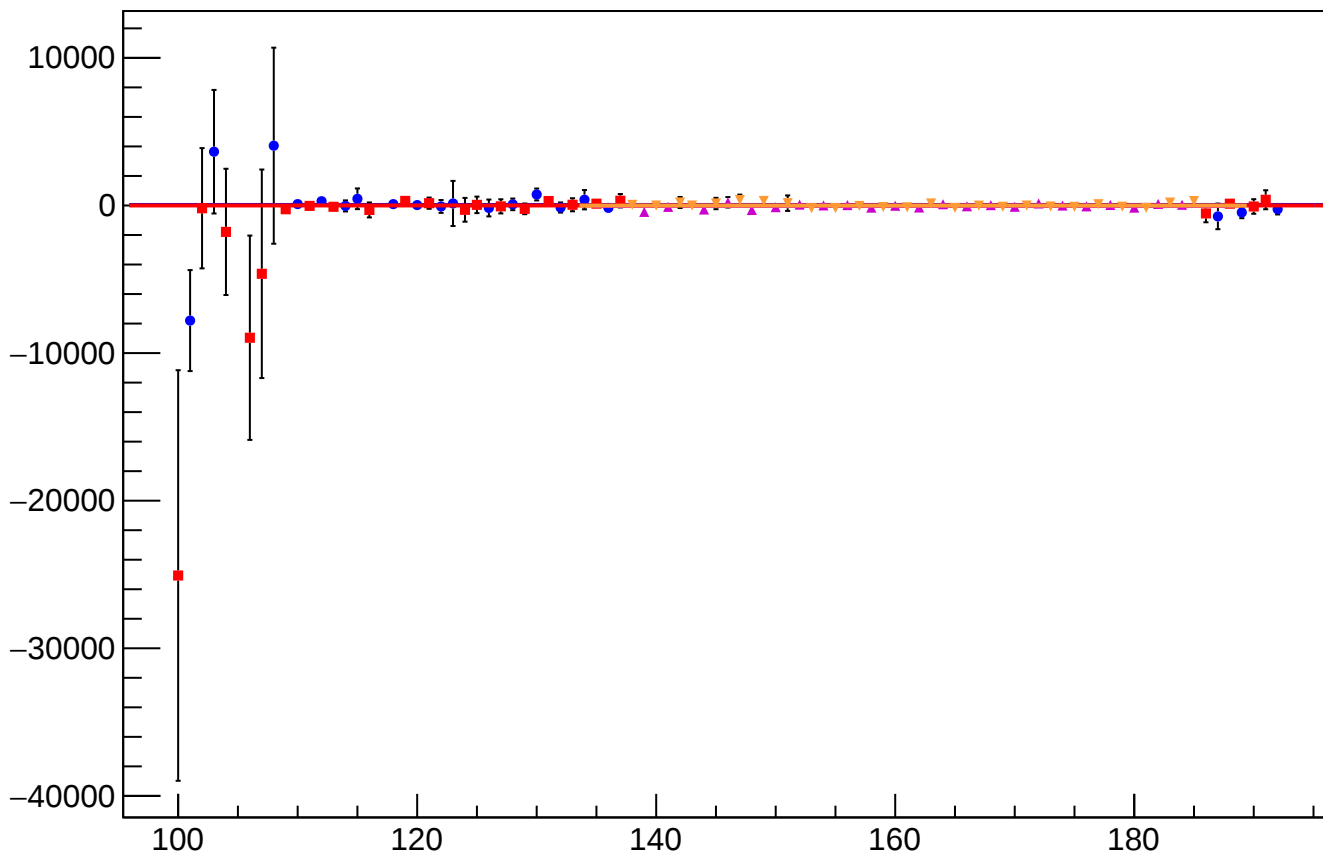
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.416 $\pm$ 0.005 χ^2 /NDF: 3072703.0/44

All: 34.454 $\pm$ 0.003 χ^2 /NDF: 6595943.5/90

- sign 34.493 $\pm$ 0.005 χ^2 /NDF: 3523116.4/45

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: 1.304+/-75.725 χ^2/NDF : 12.5/22

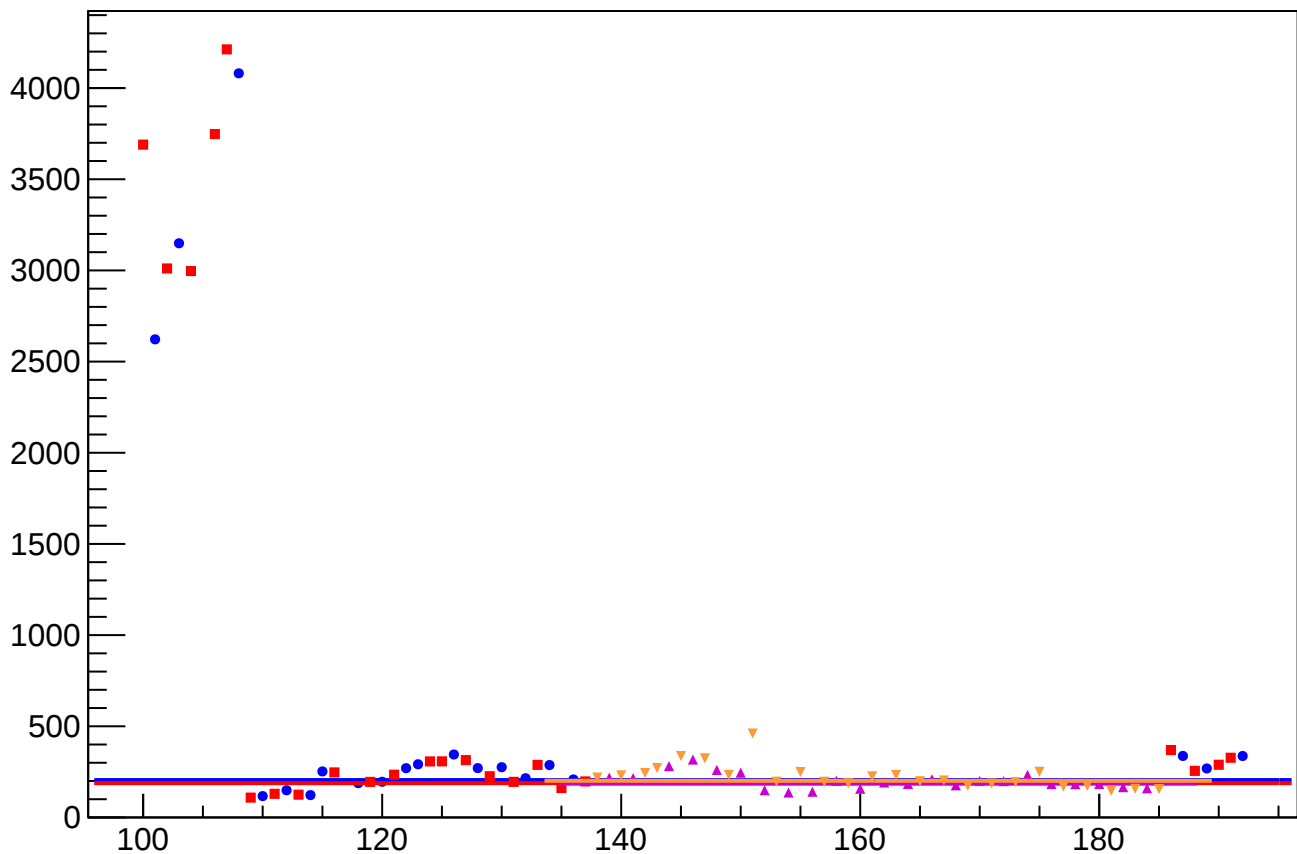
Left In: -34.977+/-46.421 χ^2/NDF : 7.1/22

+ sign 3.246+/-42.010 χ^2/NDF : 24.9/44

All: -11.755+/-28.807 χ^2/NDF : 44.9/90

- sign -25.067+/-39.576 χ^2/NDF : 19.8/45

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 204.944+/-0.059 χ^2/NDF : 3995371.9/19

Left Out: 201.198+/-0.034 χ^2/NDF : 1848437.4/24

Right Out: 188.042+/-0.054 χ^2/NDF : 4751892.9/22

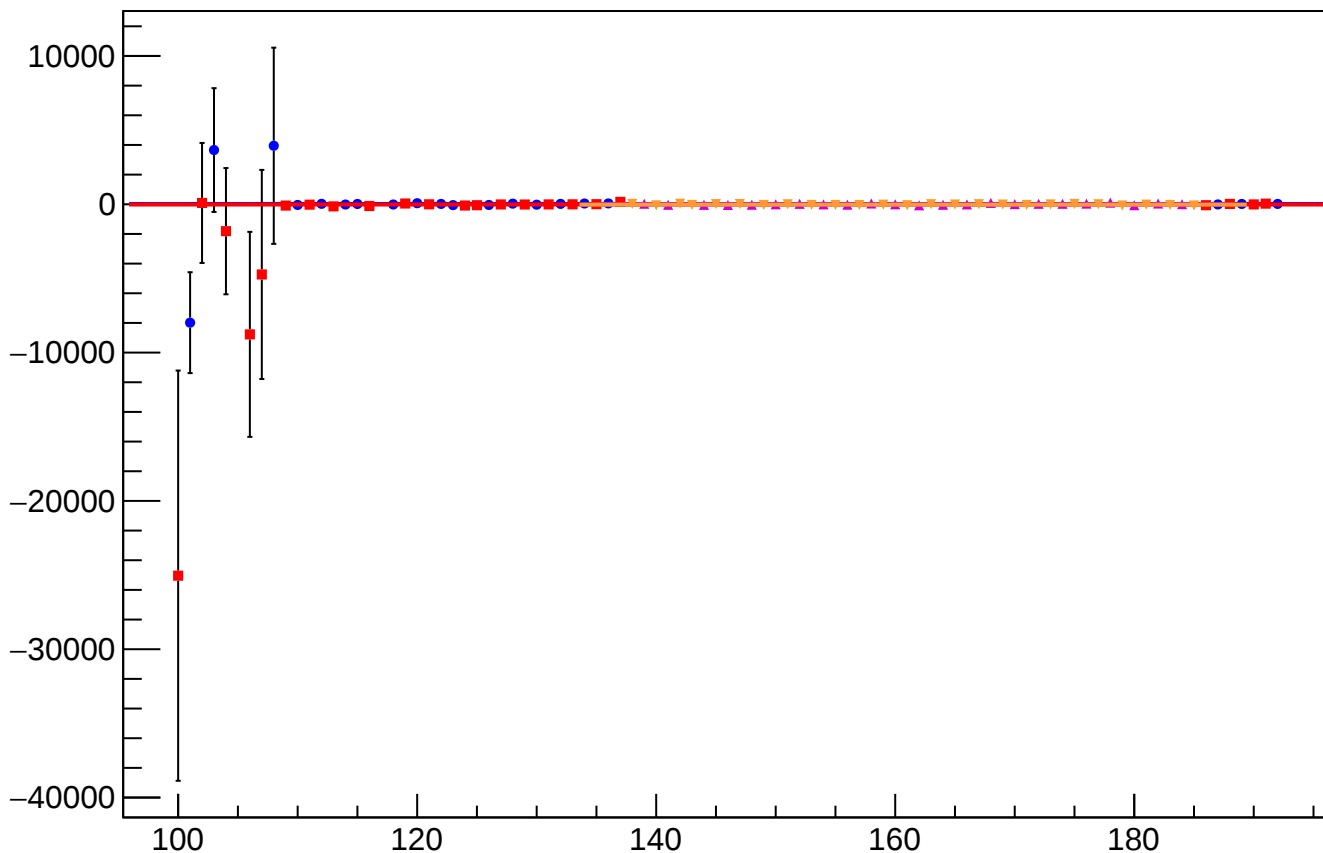
Left In: 185.627+/-0.033 χ^2/NDF : 1371411.2/22

+ sign 202.152+/-0.030 χ^2/NDF : 5846828.1/44

All: 193.747+/-0.020 χ^2/NDF : 12122736.3/90

- sign 186.287+/-0.028 χ^2/NDF : 6124782.6/45

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: -15.253+/-11.725 χ^2/NDF : 30.8/22

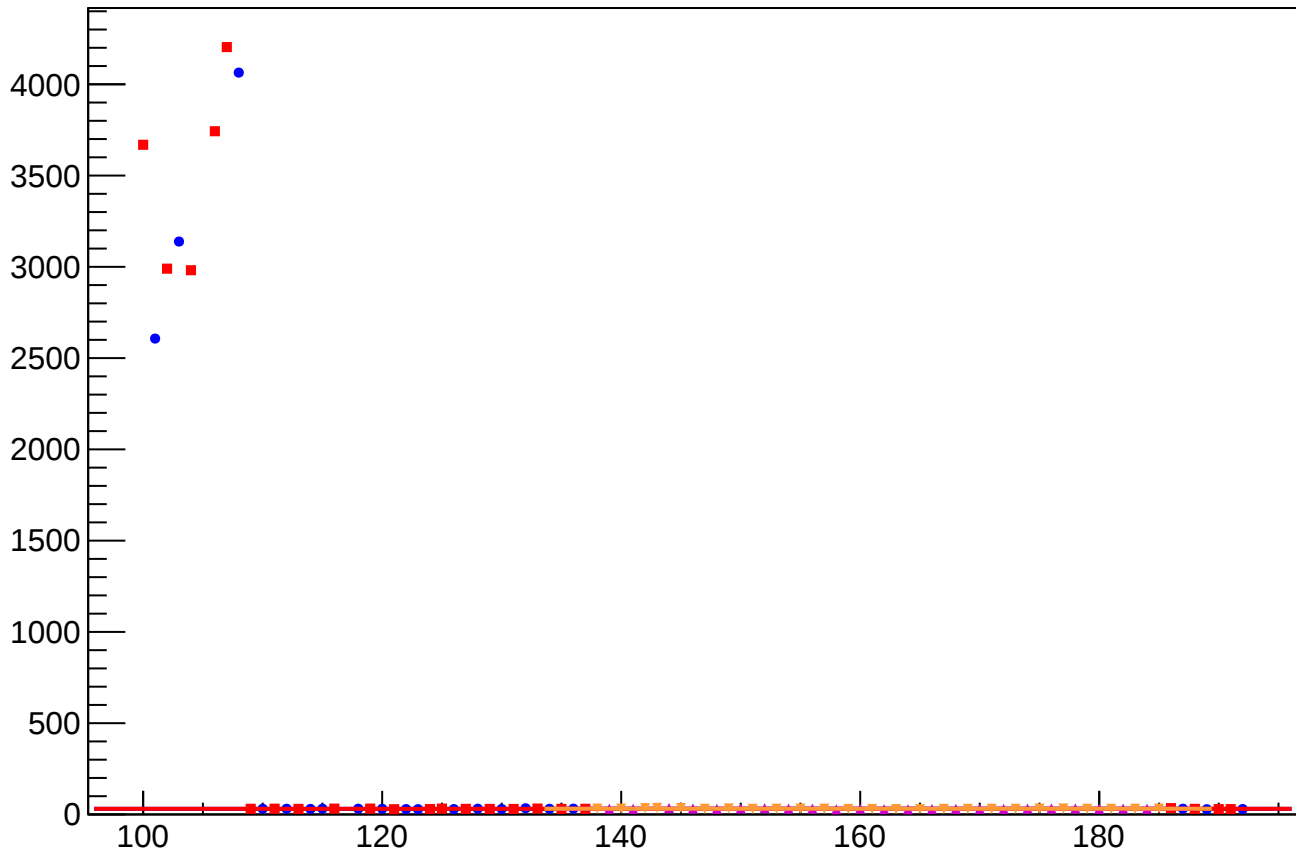
Left In: 6.386+/-7.577 χ^2/NDF :38.7/22

+ sign -12.503+/-6.246 χ^2/NDF : 41.1/44

All: -6.362+/-4.458 χ^2/NDF : 115.0/90

- sign 0.011+/-6.364 χ^2/NDF : 71.9/45

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: 30.940 $\pm$ 0.008 χ^2 /NDF: 3471154.4/22

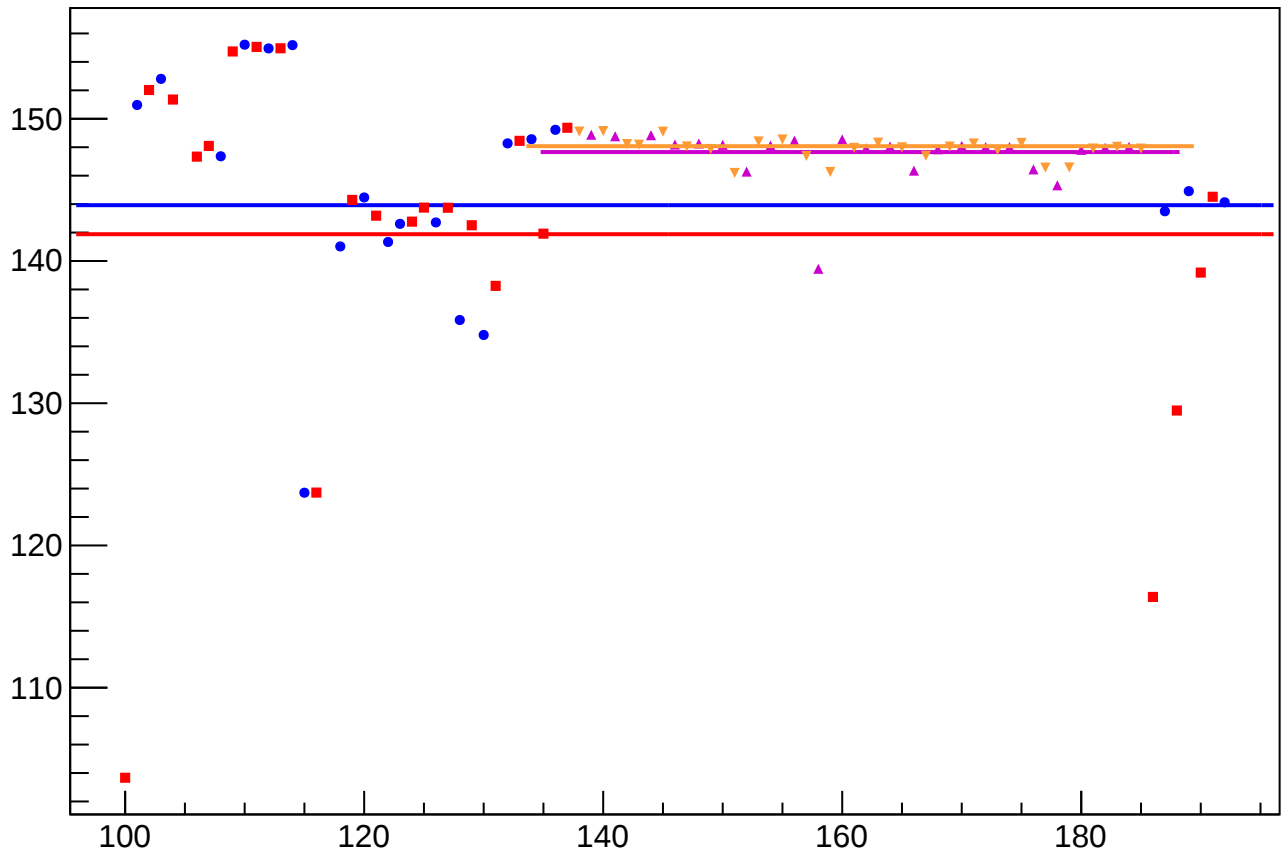
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.279 $\pm$ 0.004 χ^2 /NDF: 3111631.2/44

All: 31.298 $\pm$ 0.003 χ^2 /NDF: 6673557.9/90

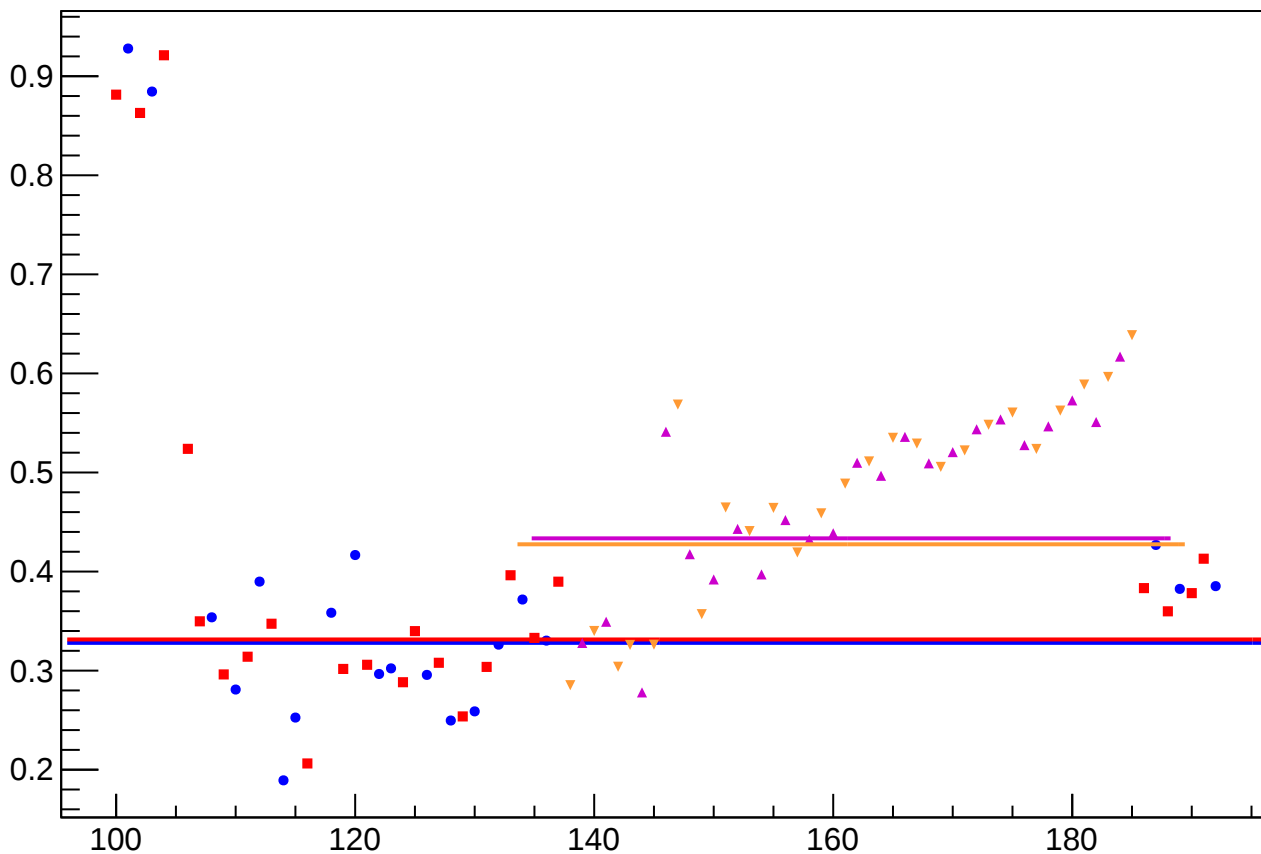
- sign 31.318 $\pm$ 0.004 χ^2 /NDF: 3561888.3/45

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: 145.727+/-0.000	χ^2/NDF : 13149193608.
Right Out: 141.883+/-0.000	χ^2/NDF : 7222796563.7/22	- sign 145.082+/-0.000	χ^2/NDF : 8845680873.0/45
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 χ^2/NDF : 1357928.1/19

Left Out: 0.428 ± 0.000 χ^2/NDF : 1892802.8/24

Right Out: 0.331 ± 0.000 χ^2/NDF : 1279028.5/22

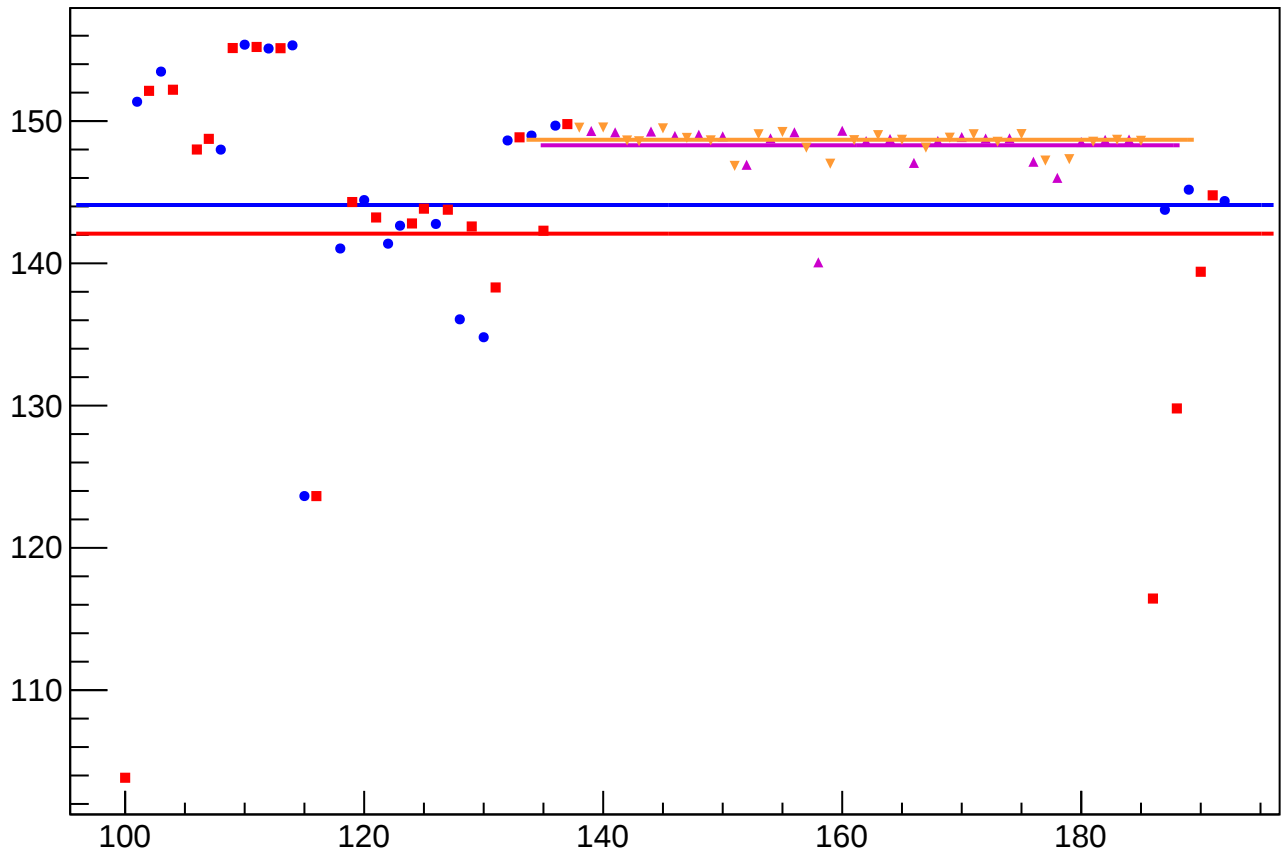
Left In: 0.434 ± 0.000 χ^2/NDF : 1479367.0/22

+ sign 0.386 ± 0.000 χ^2/NDF : 4006992.2/44

All: 0.387 ± 0.000 χ^2/NDF : 7563984.8/90

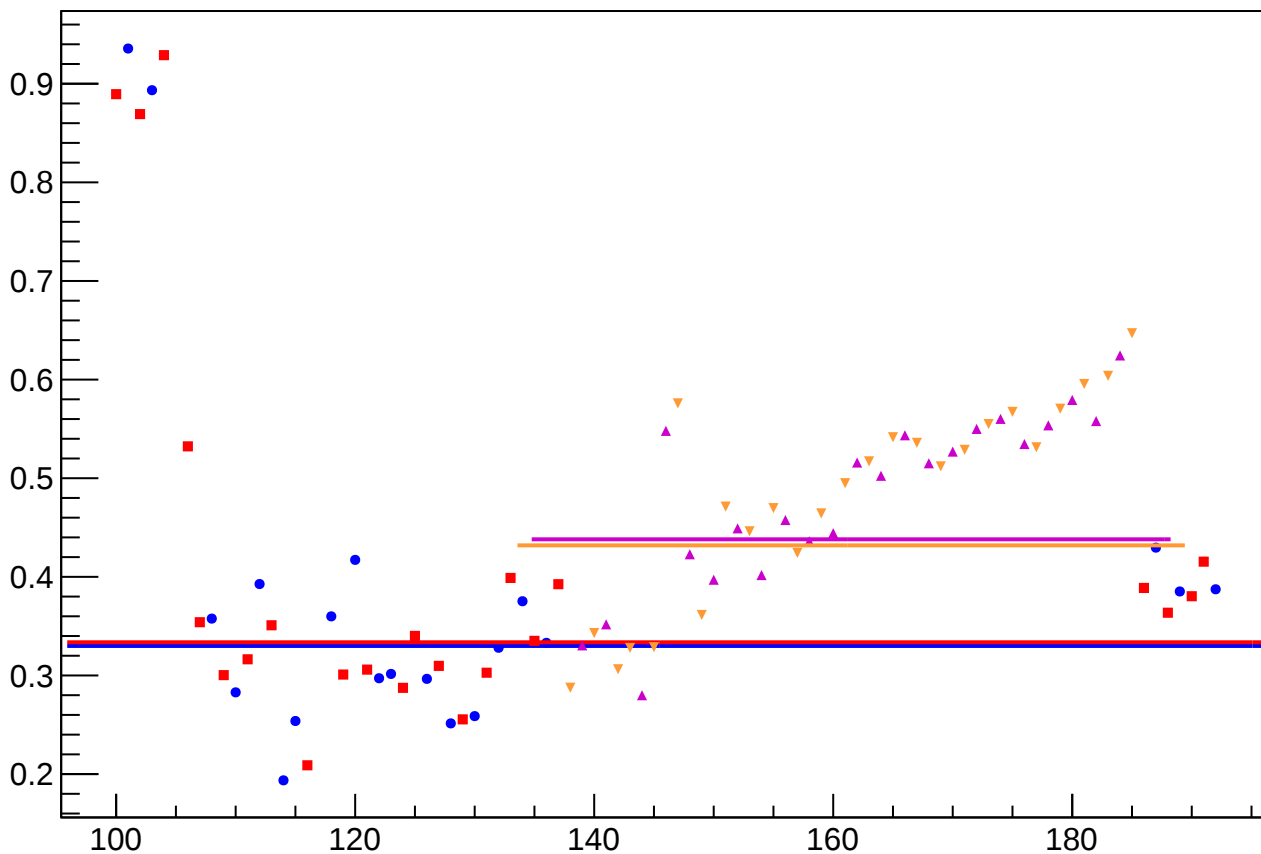
- sign 0.388 ± 0.000 χ^2/NDF : 3556649.3/45

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: 146.154 $\pm$ 0.000	χ^2 /NDF: 13416594274.
Right Out: 142.086 $\pm$ 0.000	χ^2 /NDF: 7166102689.3/22	- sign 145.513 $\pm$ 0.000	χ^2 /NDF: 8952343019.7/45
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: 0.334 ± 0.000 χ^2/NDF : 1283851.8/22

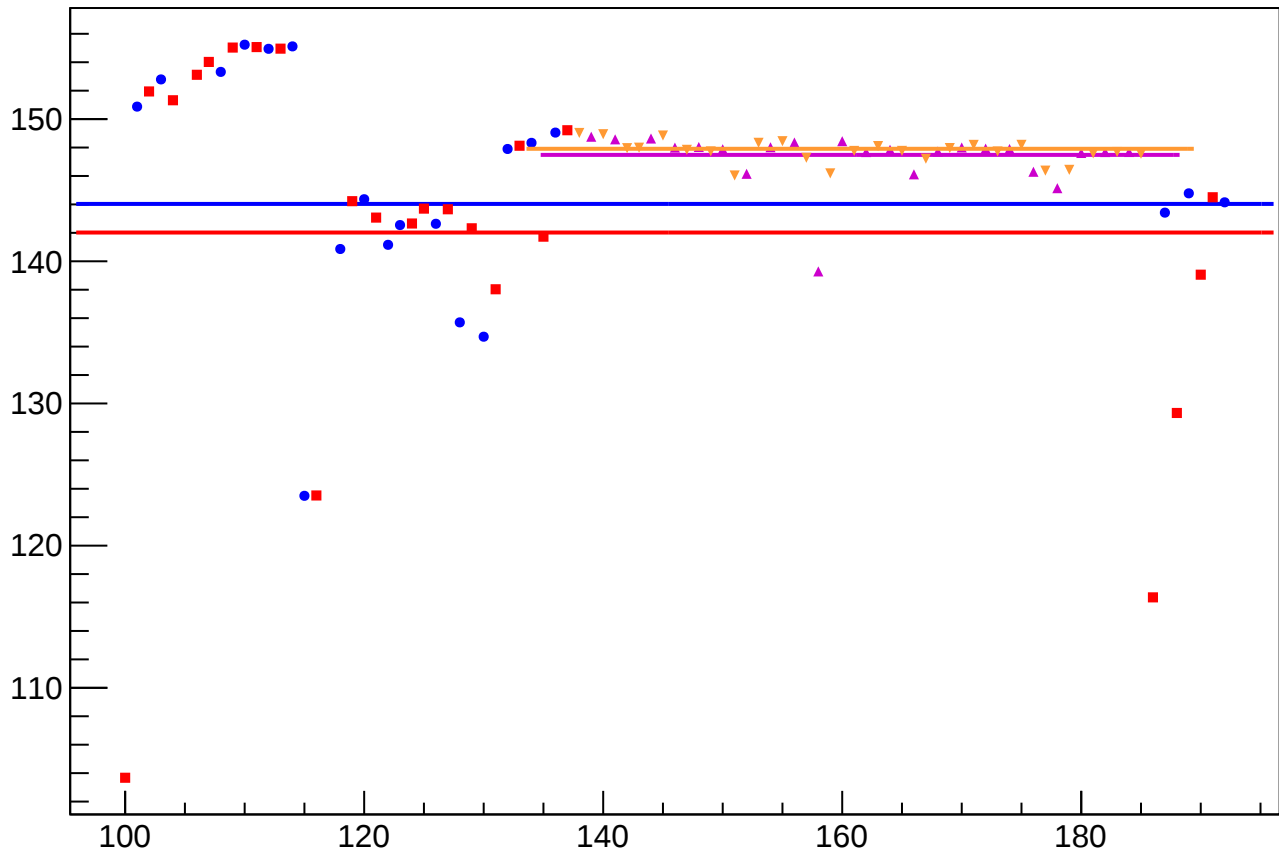
Left In: 0.438 ± 0.000 χ^2/NDF : 1504635.6/22

+ sign 0.390 ± 0.000 χ^2/NDF : 4066954.5/44

All: 0.390 ± 0.000 χ^2/NDF : 7677380.2/90

- sign 0.391 ± 0.000 χ^2/NDF : 3610015.2/45

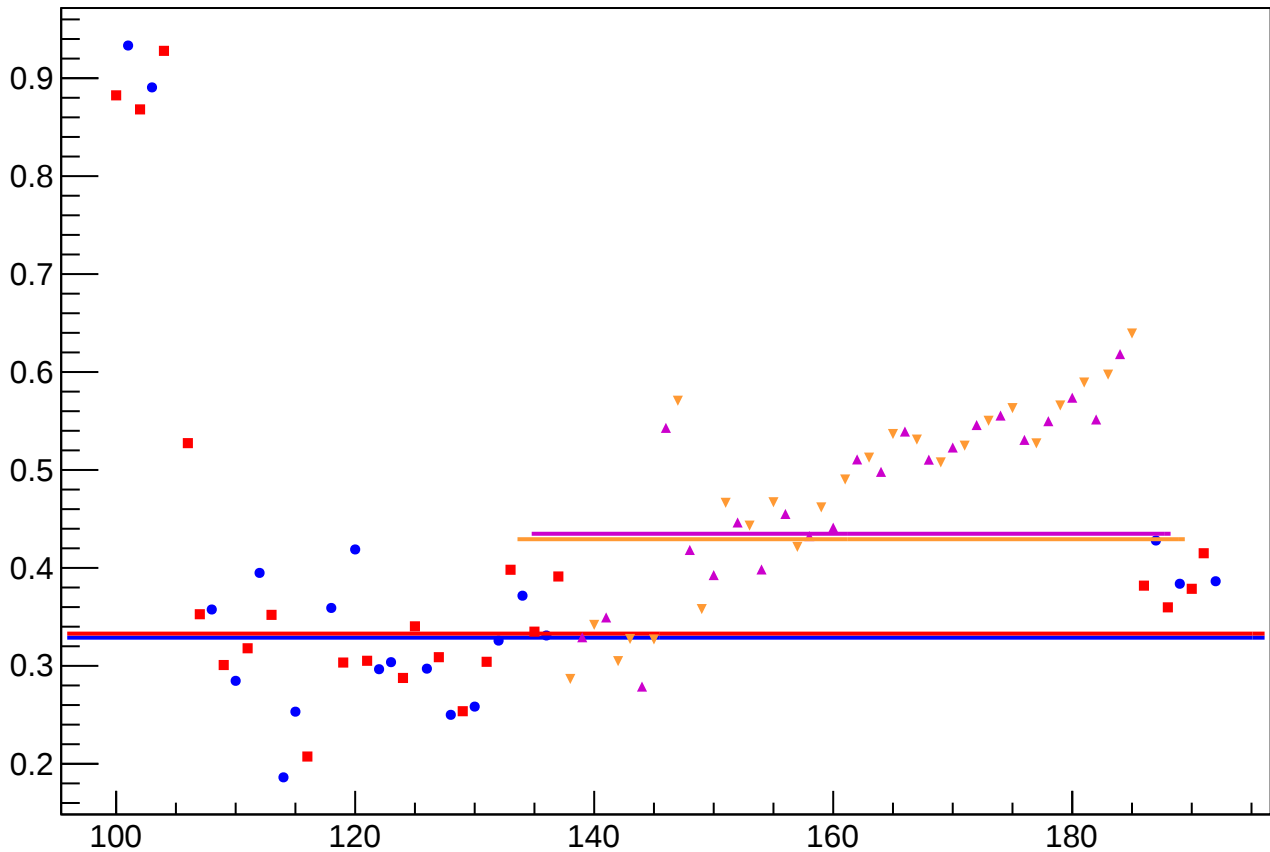
yield_bcm_an_us_mean vs Slug



Right In: 144.034 ± 0.000 χ^2/NDF : 3663911746.4/19
 Left Out: 147.912 ± 0.000 χ^2/NDF : 64463426.1/24
 Right Out: 142.022 ± 0.000 χ^2/NDF : 7619133321.1/22
 Left In: 147.483 ± 0.000 χ^2/NDF : 342674720.4/22

+ sign 146.310 ± 0.000 χ^2/NDF : 4298911704.6/44
 All: 145.685 ± 0.000 χ^2/NDF : 13518238922.
 - sign 145.049 ± 0.000 χ^2/NDF : 9095937587.0/45

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: 0.333 ± 0.000 χ^2/NDF : 1280398.6/22

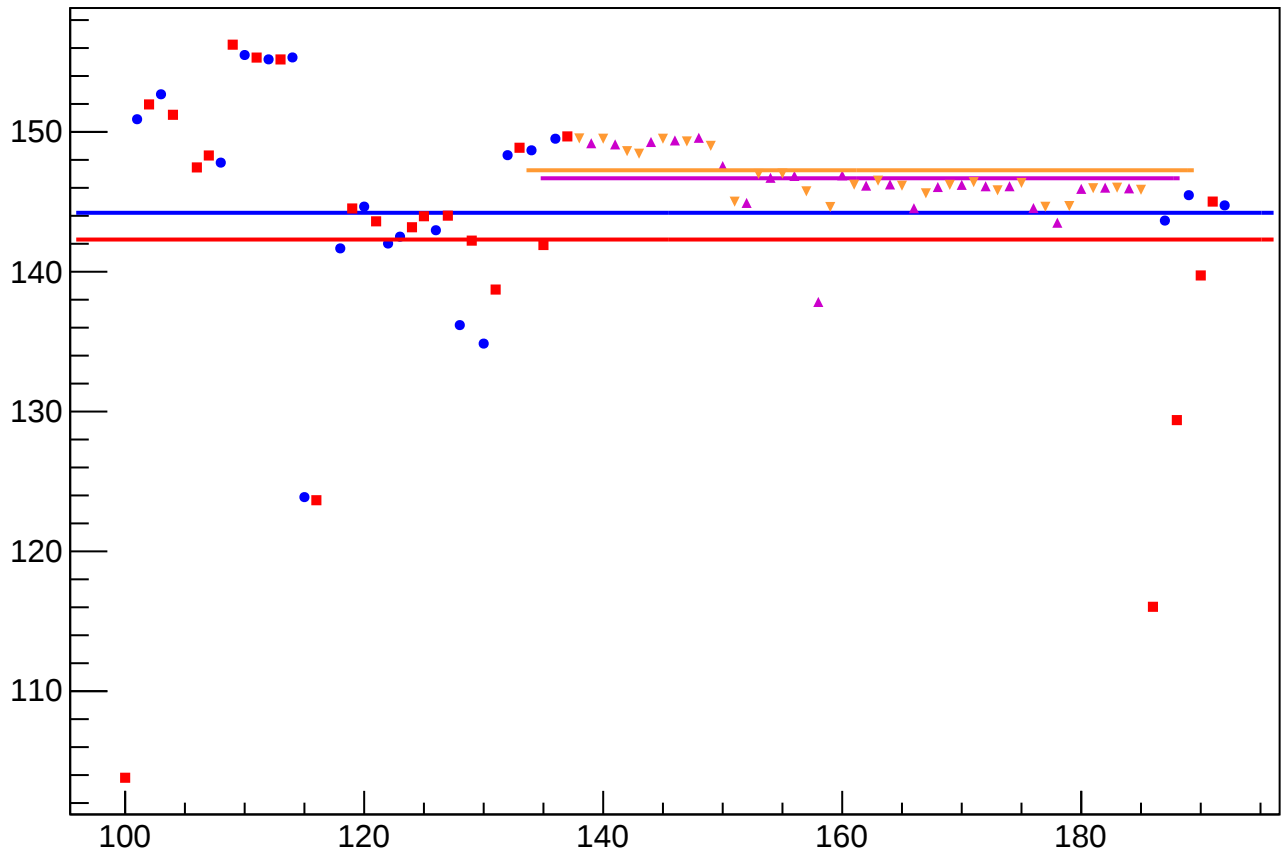
Left In: 0.435 ± 0.000 χ^2/NDF : 1485915.1/22

+ sign 0.388 ± 0.000 χ^2/NDF : 4031695.2/44

All: 0.389 ± 0.000 χ^2/NDF : 7588898.4/90

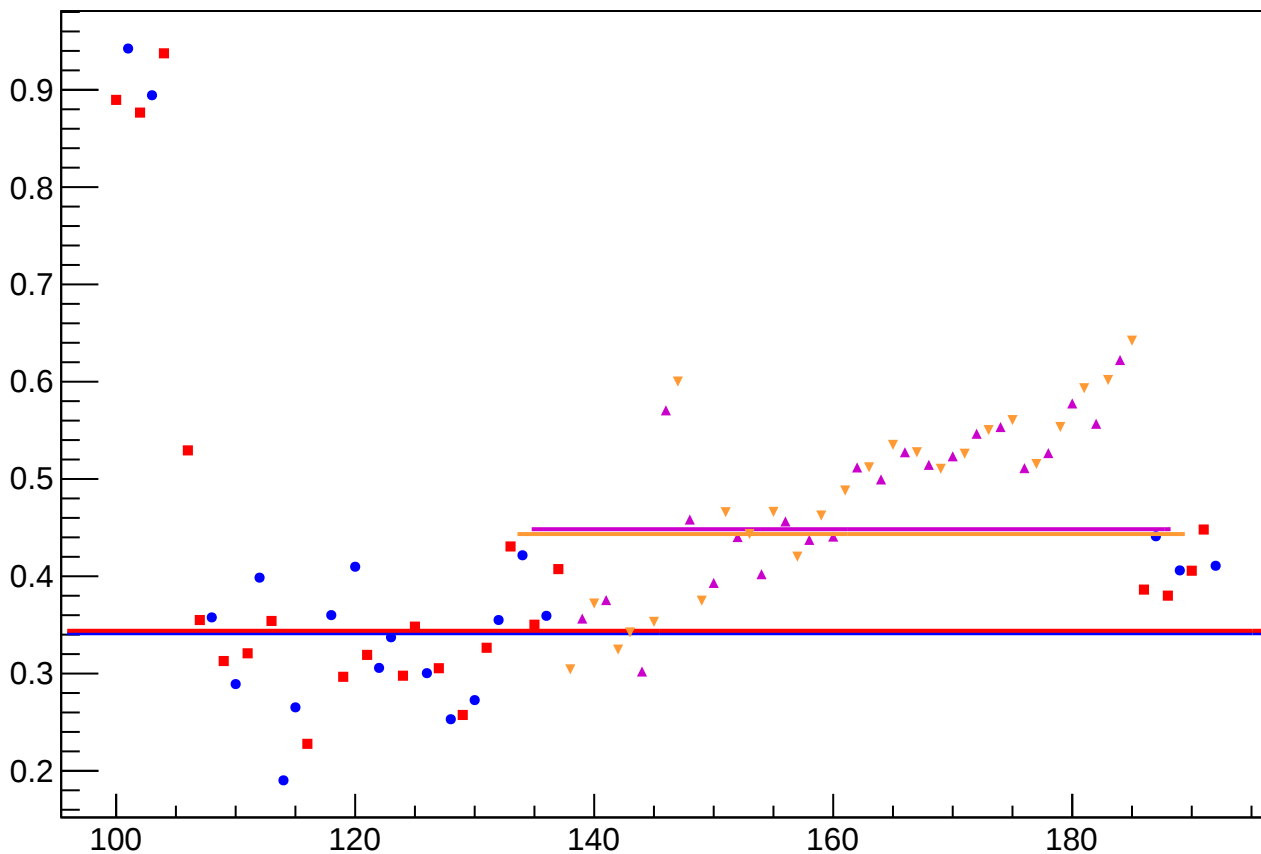
- sign 0.389 ± 0.000 χ^2/NDF : 3556778.5/45

yield_bcm_dg_us_mean vs Slug



Right In: 144.216 $\pm$ 0.000	χ^2 /NDF: 3166865632.1/19	+ sign 146.019 $\pm$ 0.000	χ^2 /NDF: 3756089705.0/44
Left Out: 147.257 $\pm$ 0.000	χ^2 /NDF: 261906278.3/24	All: 145.388 $\pm$ 0.000	χ^2 /NDF: 12036635479.
Right Out: 142.304 $\pm$ 0.000	χ^2 /NDF: 6921356369.1/22	- sign 144.751 $\pm$ 0.000	χ^2 /NDF: 8163193929.4/45
Left In: 146.685 $\pm$ 0.000	χ^2 /NDF: 554922388.0/22		

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: 0.344 $\pm$ 0.000 χ^2 /NDF: 1256902.0/22

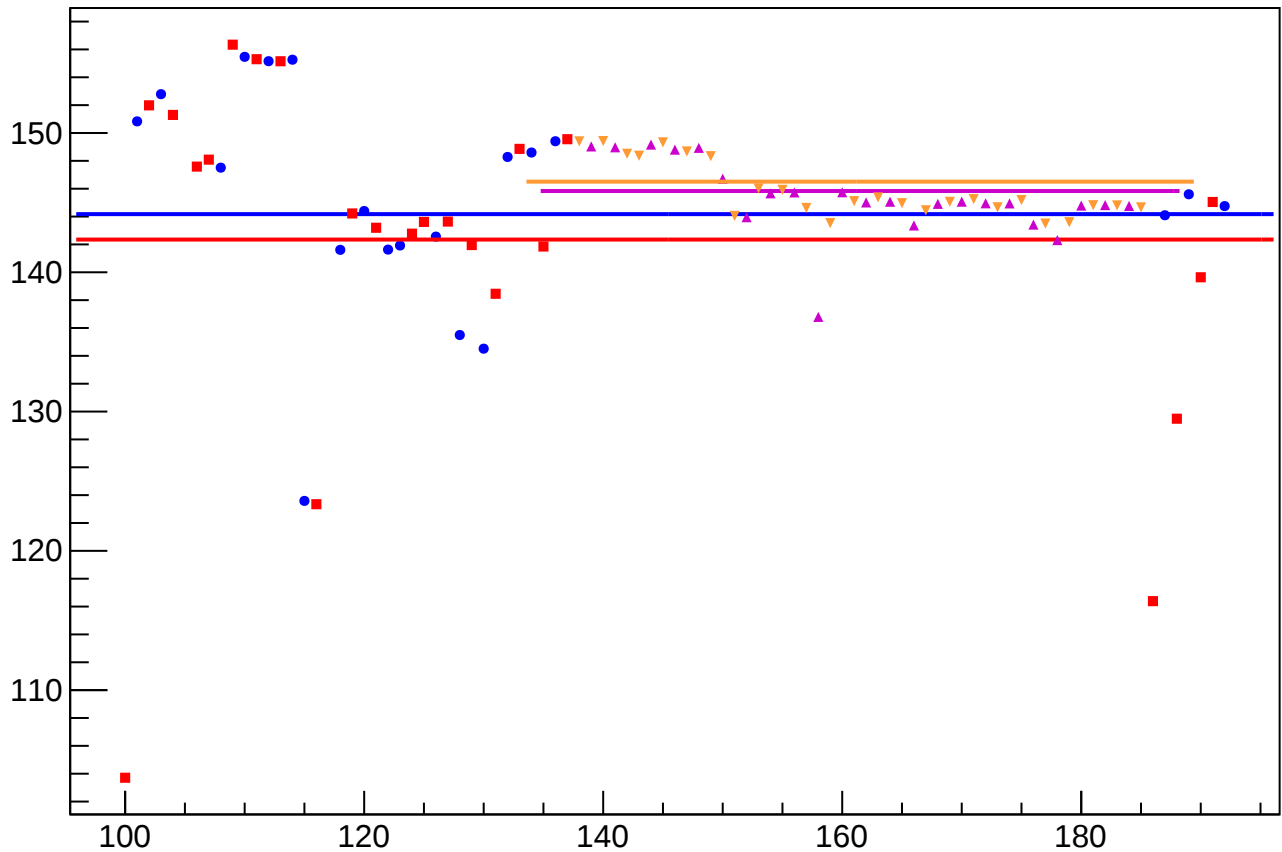
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.402 $\pm$ 0.000 χ^2 /NDF: 3587642.7/44

All: 0.402 $\pm$ 0.000 χ^2 /NDF: 6745033.6/90

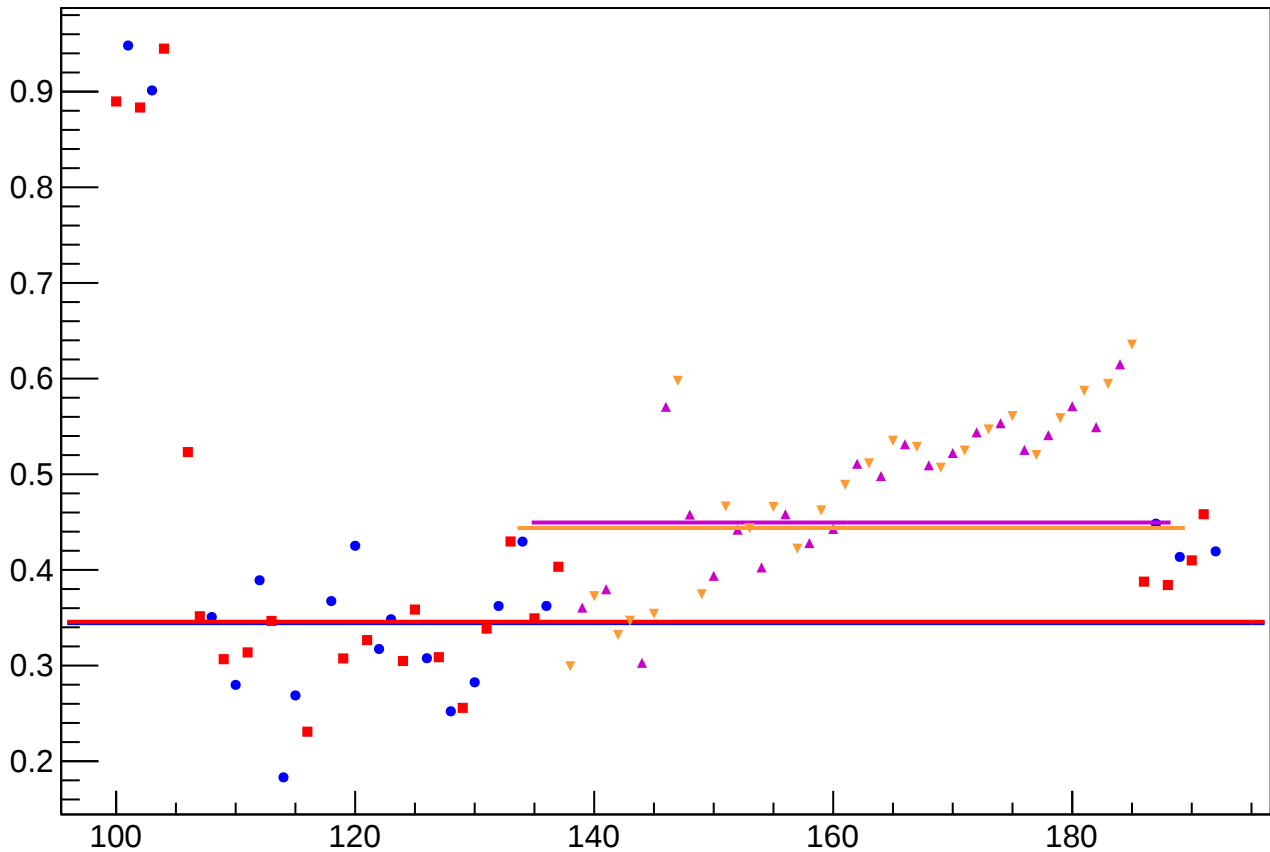
- sign 0.402 $\pm$ 0.000 χ^2 /NDF: 3157366.4/45

yield_bcm_dg_ds_mean vs Slug



Right In: 144.175+/-0.000	χ^2/NDF : 3287176167.2/19	+ sign 145.569+/-0.000	χ^2/NDF : 3878484117.0/44
Left Out: 146.508+/-0.000	χ^2/NDF : 401248837.9/24	All: 144.939+/-0.000	χ^2/NDF : 12018802945.
Right Out: 142.349+/-0.000	χ^2/NDF : 6903771805.6/22	- sign 144.303+/-0.000	χ^2/NDF : 8024405441.6/45
Left In: 145.834+/-0.000	χ^2/NDF : 690172810.0/22		

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: 0.346 ± 0.000 χ^2/NDF : 1251966.0/22

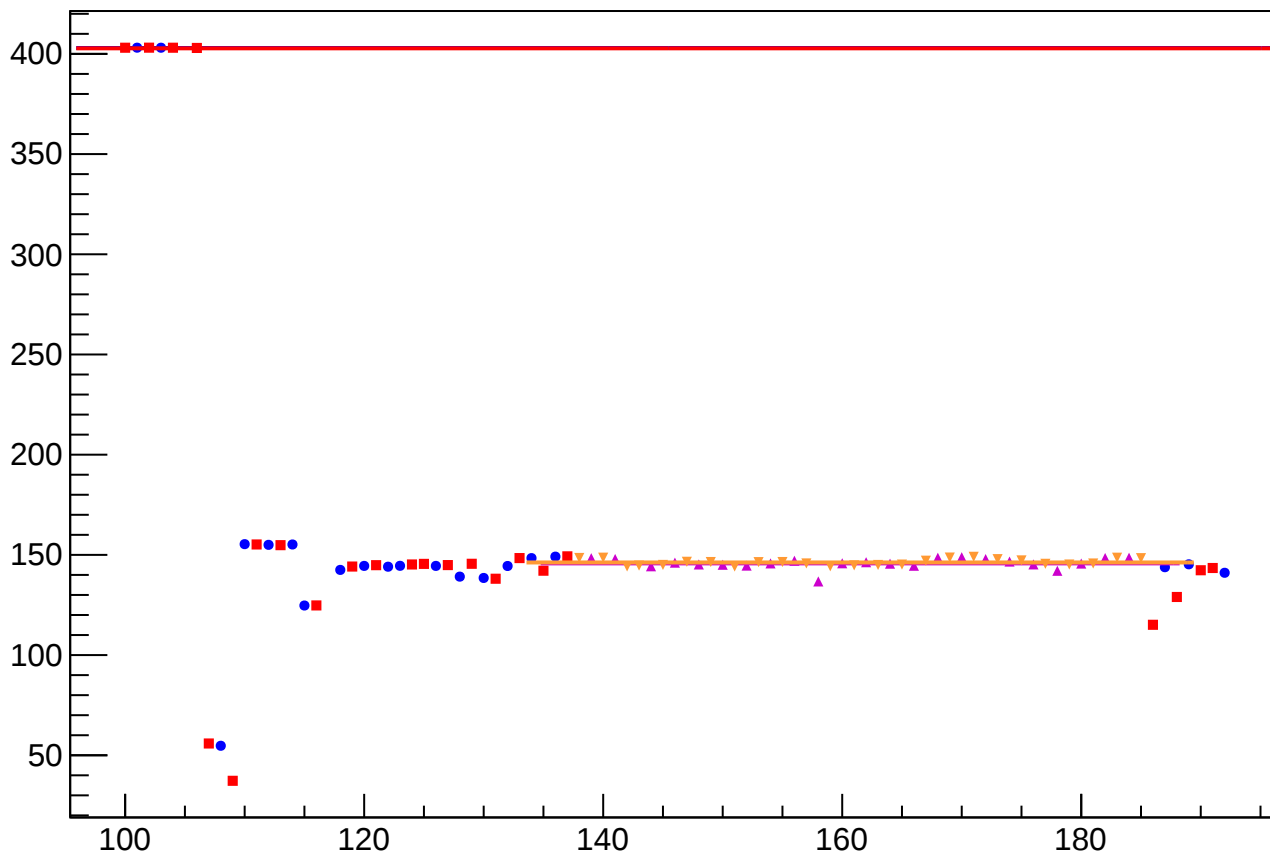
Left In: 0.450 ± 0.000 χ^2/NDF : 1092776.5/22

+ sign 0.404 ± 0.000 χ^2/NDF : 3549603.2/44

All: 0.404 ± 0.000 χ^2/NDF : 6656587.0/90

- sign 0.404 ± 0.000 χ^2/NDF : 3106979.8/45

yield_cav4bQ_mean vs Slug



Right In: 402.937 $\pm$ 0.000 χ^2 /NDF: 1258827959158.7/19

Left Out: 146.216 $\pm$ 0.000 χ^2 /NDF: 86042286.3/24

Right Out: 402.775 $\pm$ 0.000 χ^2 /NDF: 3331261787463.1/22

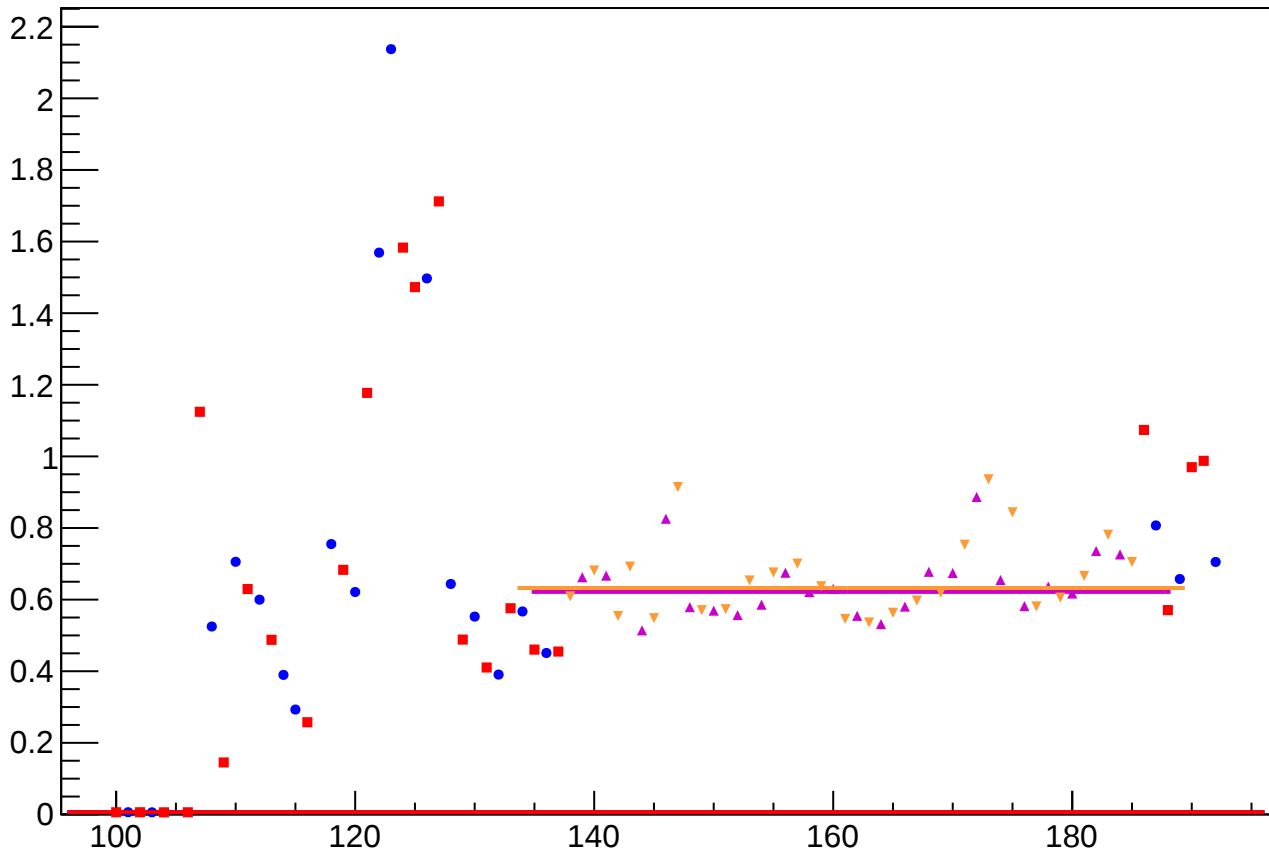
Left In: 145.755 $\pm$ 0.000 χ^2 /NDF: 206171532.0/22

+ sign 402.642 $\pm$ 0.000 χ^2 /NDF: 3619754368198.7

All: 402.576 $\pm$ 0.000 χ^2 /NDF: 928054388354

- sign 402.518 $\pm$ 0.000 χ^2 /NDF: 5660534674060.6

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: 12124225.7/22

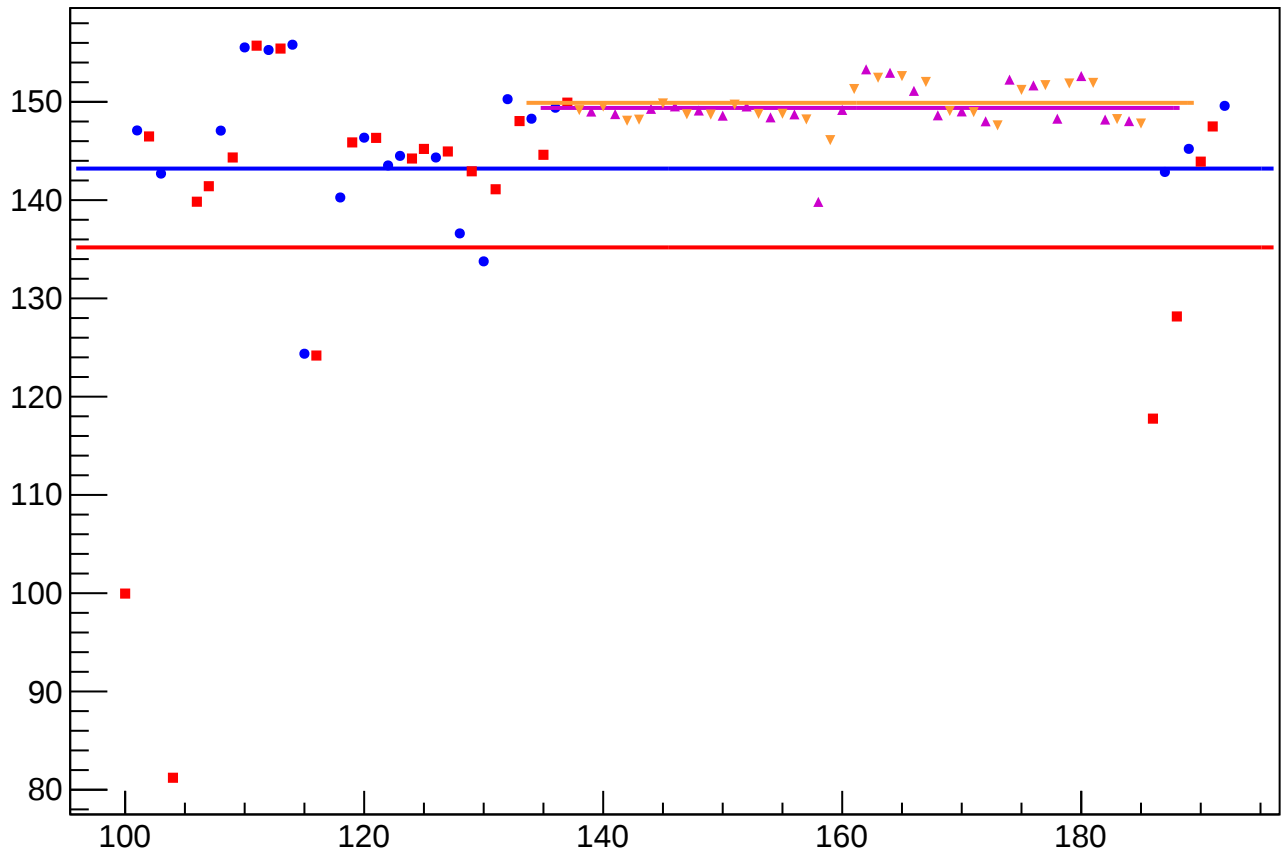
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 40089647.1/44

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 79303562.3/90

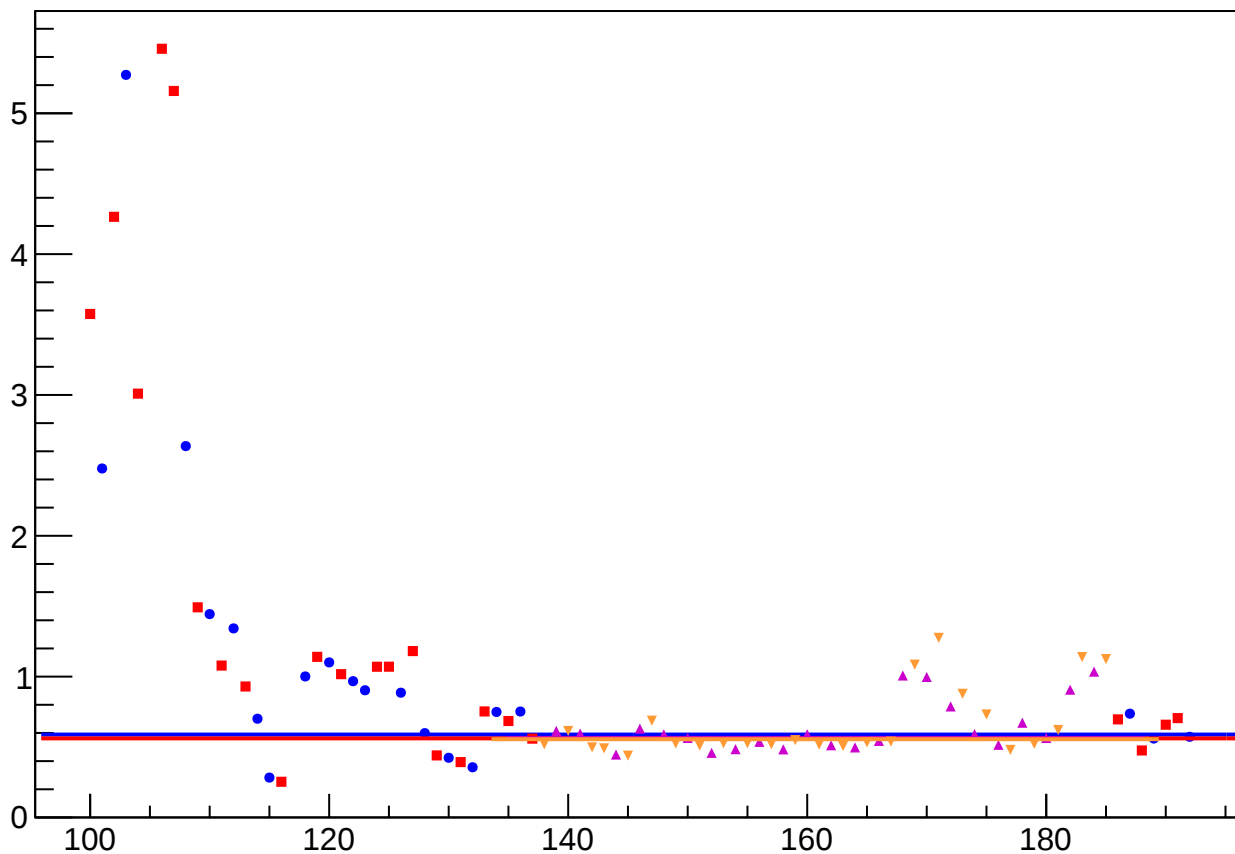
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 39213507.1/45

yield_cav4cQ_mean vs Slug



Right In: 143.211+/-0.000	χ^2/NDF : 1094348803.5/19	+ sign 148.484+/-0.000	χ^2/NDF : 1737985846.6/44
Left Out: 149.900+/-0.000	χ^2/NDF : 162845622.6/24	All: 147.210+/-0.000	χ^2/NDF : 6551418417.5
Right Out: 135.188+/-0.000	χ^2/NDF : 1830870226.3/22	- sign 145.901+/-0.000	χ^2/NDF : 4601620956.1/45
Left In: 149.382+/-0.000	χ^2/NDF : 434657827.5/22		

yield_cav4cQ_rms vs Slug



Right In: 0.588 $\pm$ 0.000 χ^2 /NDF: 3532105.5/19

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773688.1/24

Right Out: 0.561 $\pm$ 0.000 χ^2 /NDF: 4744099.0/22

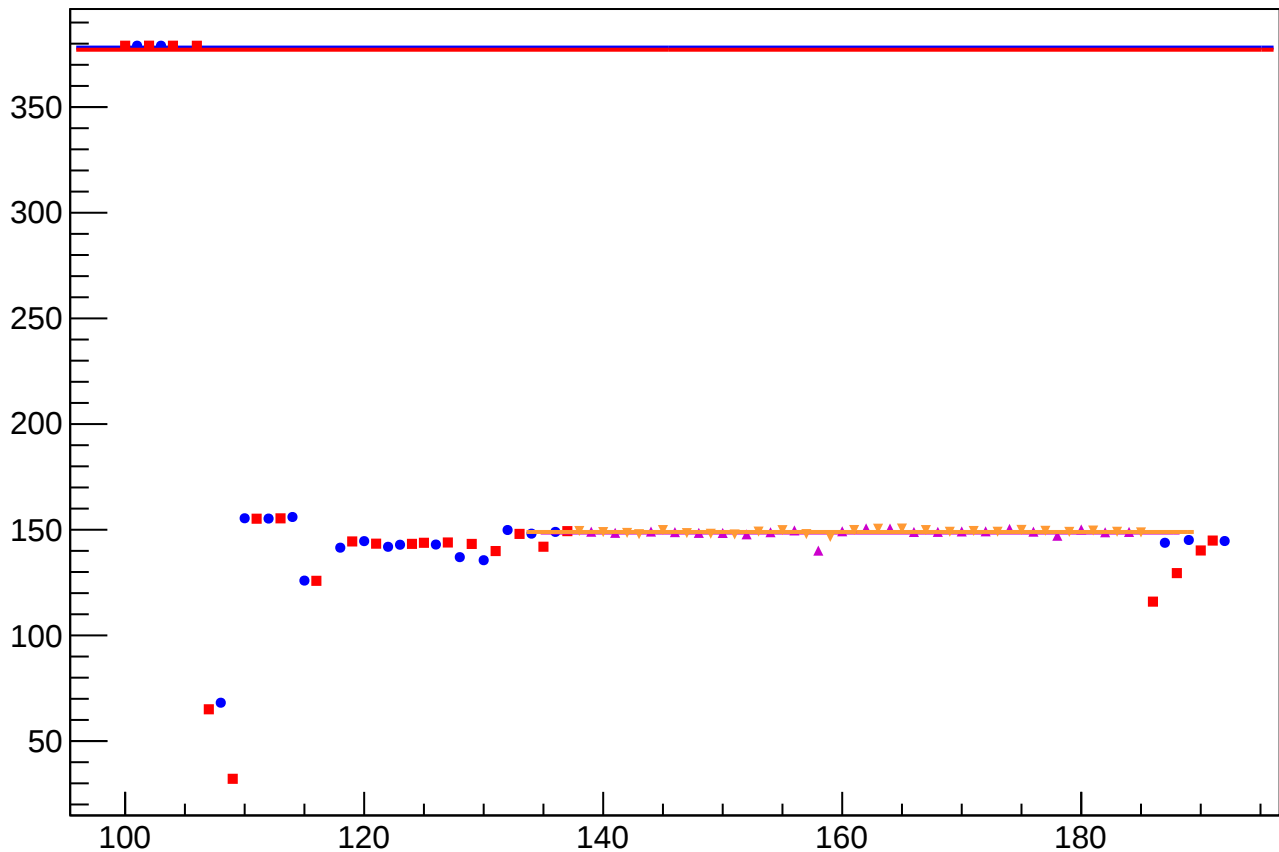
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1305573.4/22

+ sign 0.562 $\pm$ 0.000 χ^2 /NDF: 5329207.9/44

All: 0.562 $\pm$ 0.000 χ^2 /NDF: 11378920.9/90

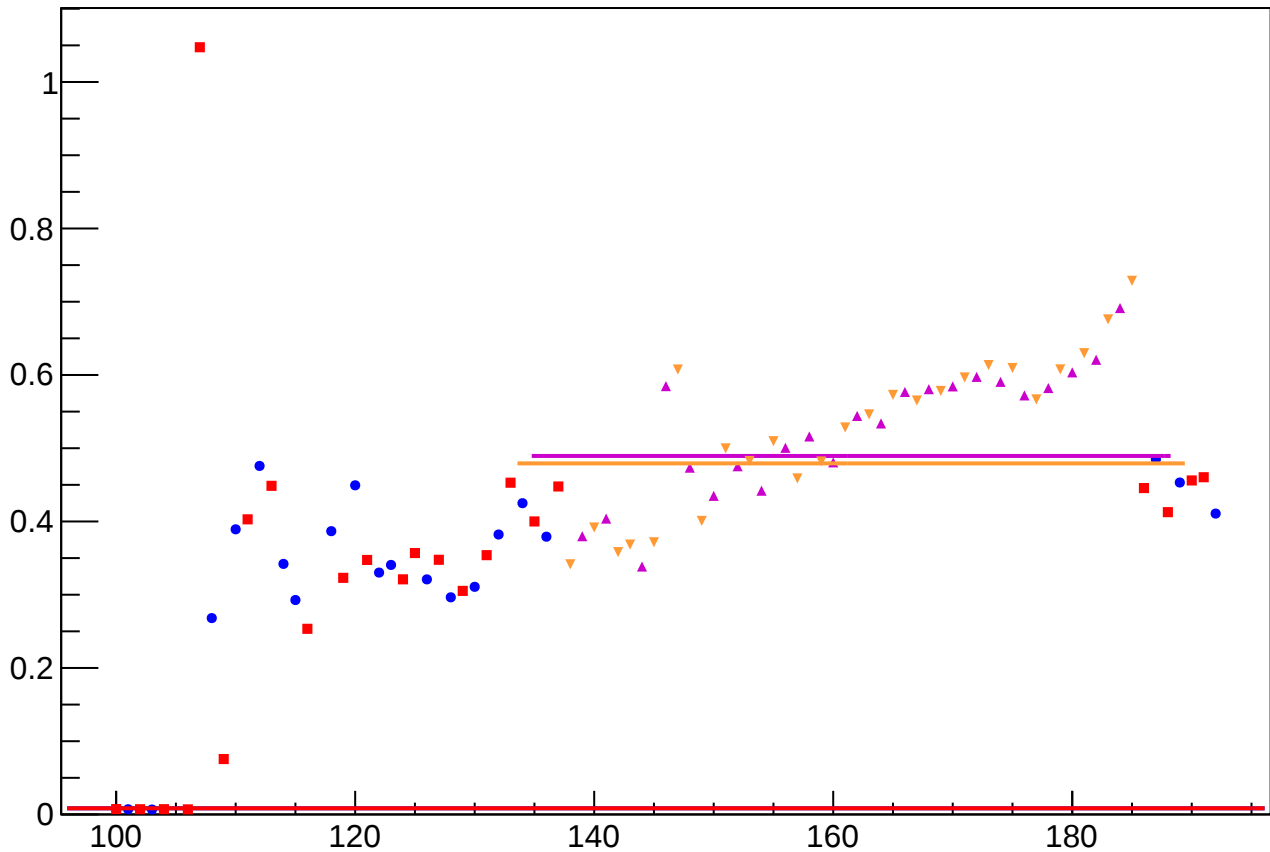
- sign 0.562 $\pm$ 0.000 χ^2 /NDF: 6049674.4/45

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: 376.466+/-0.000	χ^2/NDF : 192467933430
Right Out: 377.135+/-0.000	χ^2/NDF : 8857253897443.0/22	- sign 376.111+/-0.000	χ^2/NDF : 12411472594373.0
Left In: 148.672+/-0.000	χ^2/NDF : 252846428.3/22		

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 12668200.5/19

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1516566.1/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 12919672.9/22

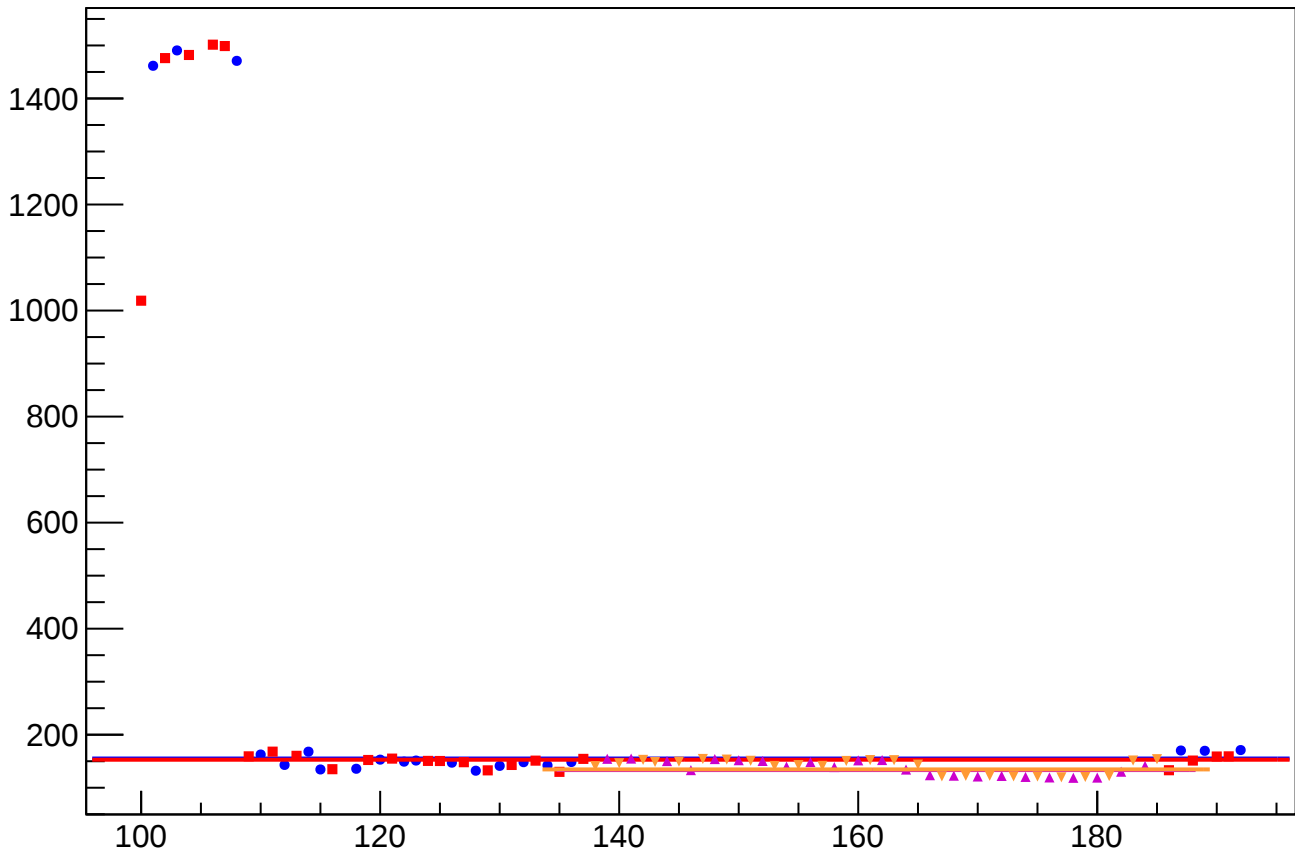
Left In: 0.489 $\pm$ 0.000 χ^2 /NDF:1076134.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 47134526.3/44

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 92647100.8/90

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 45509902.2/45

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: 152.842+/-0.000 χ^2/NDF : 34016532868.9/22

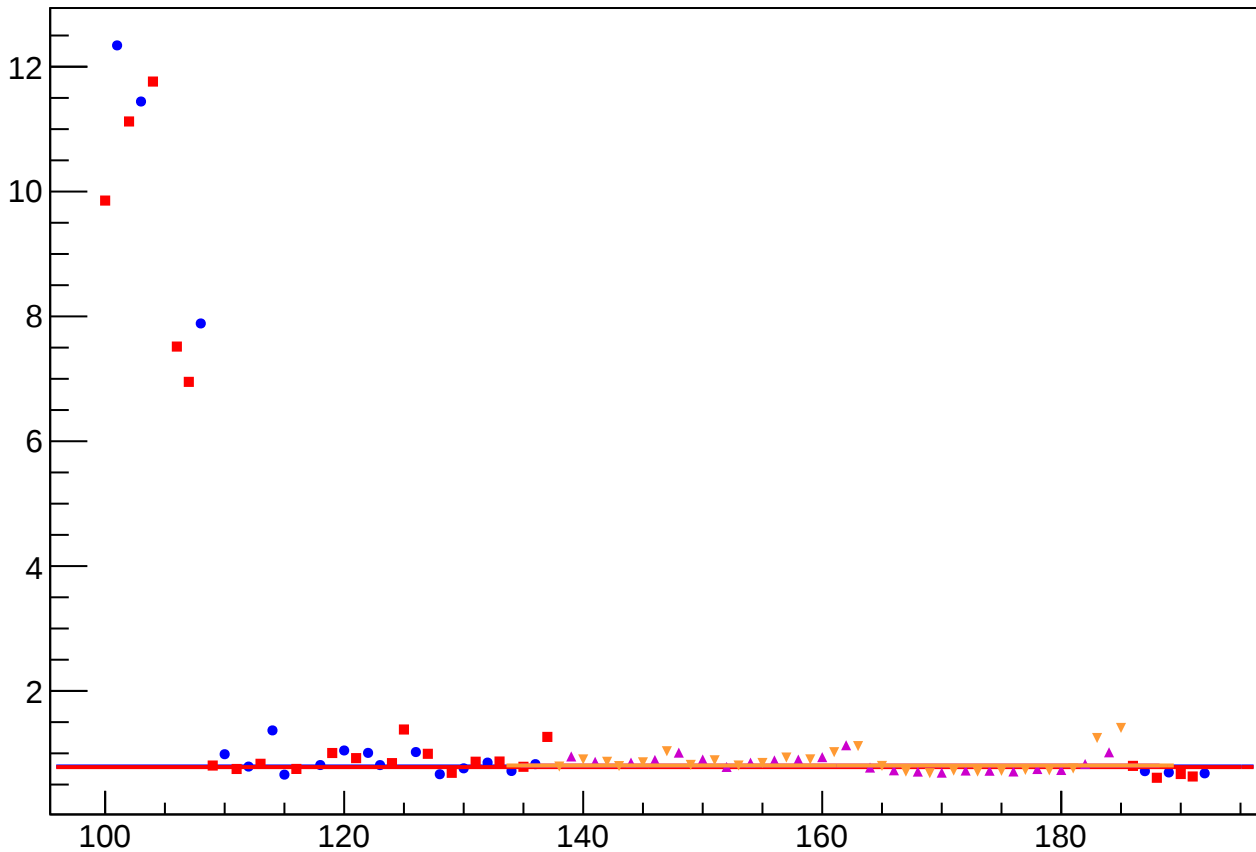
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 139.820+/-0.000 χ^2/NDF : 32339241289.0/44

All: 139.368+/-0.000 χ^2/NDF : 73146802820.0

- sign 138.915+/-0.000 χ^2/NDF : 40794530875.1/45

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: 0.779 $\pm$ 0.000 χ^2 /NDF: 3091486.3/22

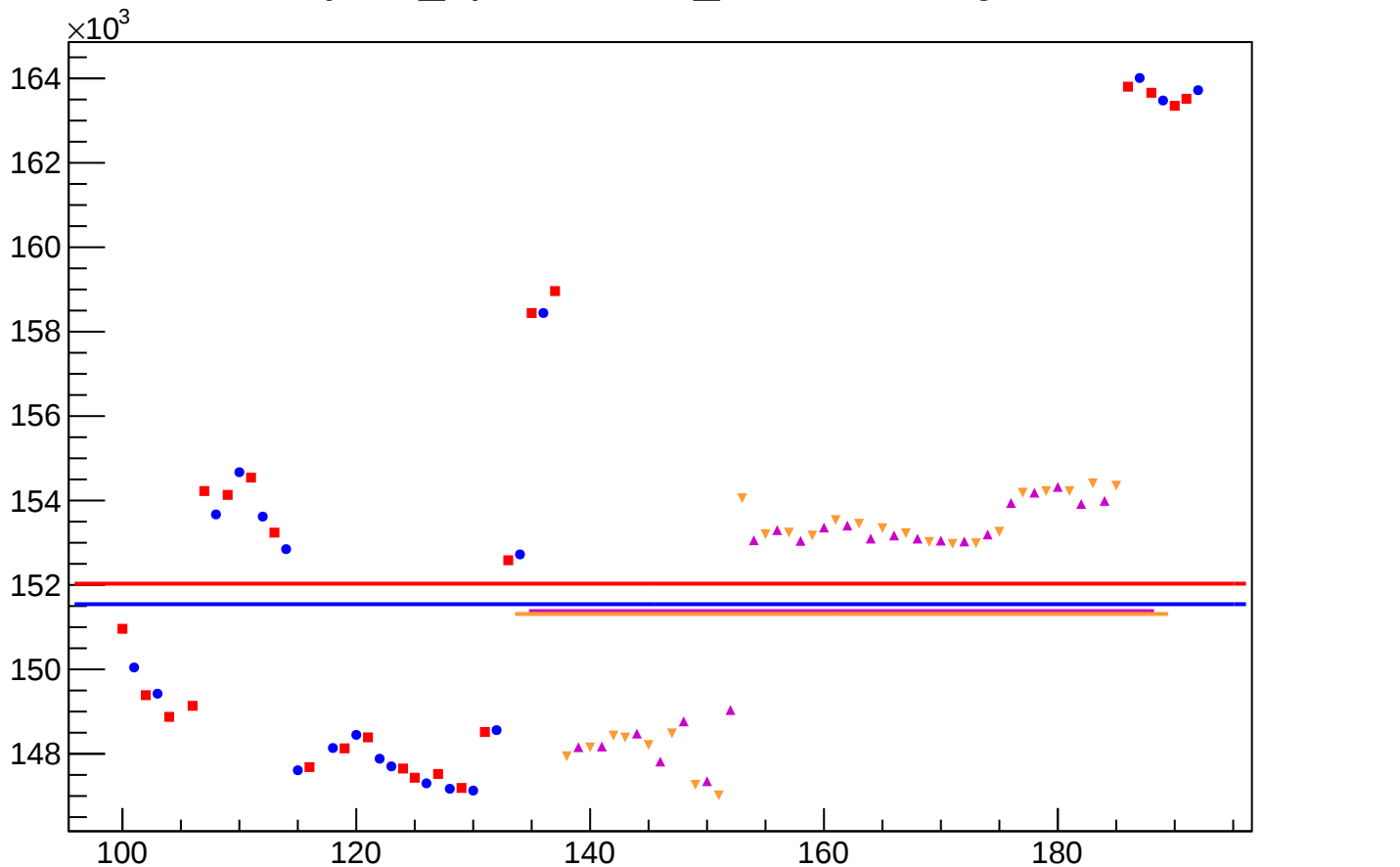
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF: 480510.8/22

+ sign 0.802 $\pm$ 0.000 χ^2 /NDF: 3446833.7/44

All: 0.800 $\pm$ 0.000 χ^2 /NDF: 7027902.5/90

- sign 0.797 $\pm$ 0.000 χ^2 /NDF: 3580412.7/45

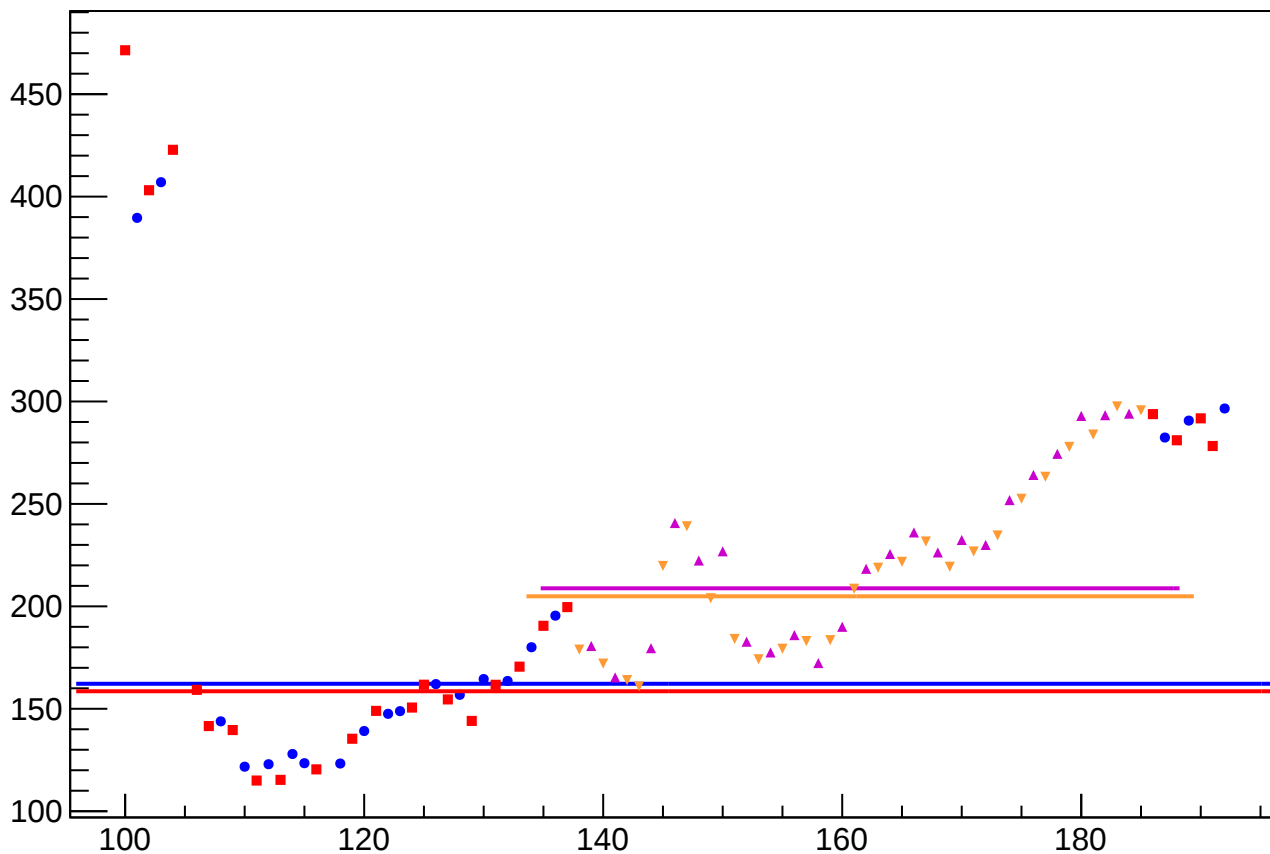
yield_bpm0i01WS_mean vs Slug



Right In: 151543.948 $\pm$ 0.061 χ^2 /NDF: 6108194370.9/19
 Left Out: 151313.284 $\pm$ 0.049 χ^2 /NDF: 3153768134.8/24
 Right Out: 152030.411 $\pm$ 0.057 χ^2 /NDF: 6614639561.2/22
 Left In: 151380.236 $\pm$ 0.051 χ^2 /NDF: 2363895785.3/22

+ sign 151403.095 $\pm$ 0.038 χ^2 /NDF: 9270702985.0
 All: 151535.047 $\pm$ 0.027 χ^2 /NDF: 183448437
 - sign 151668.154 $\pm$ 0.038 χ^2 /NDF: 9049975145.0

yield_bpm0i01WS_rms vs Slug



Right In: 162.210 $\pm$ 0.043 χ^2 /NDF: 1810118.5/19

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 158.554 $\pm$ 0.041 χ^2 /NDF: 1981539.7/22

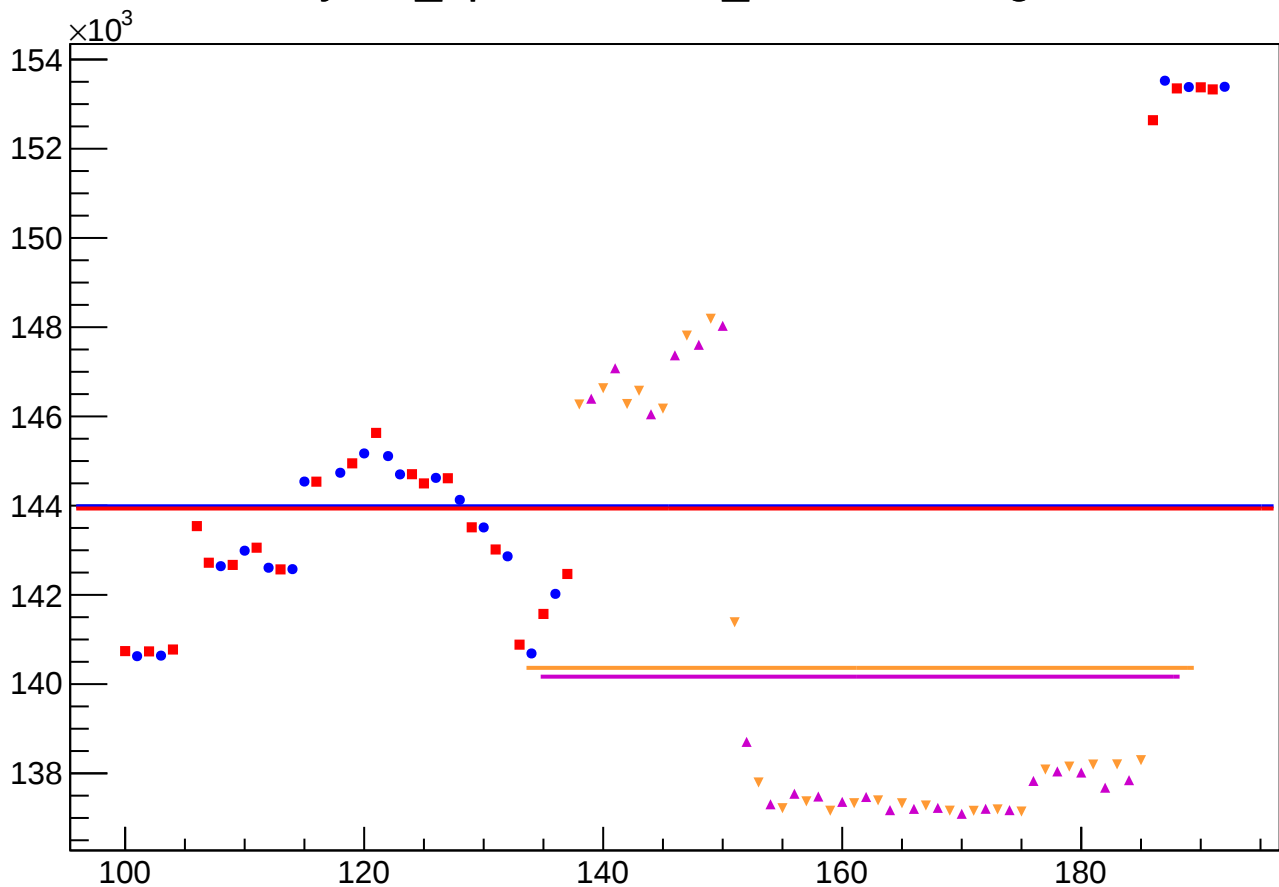
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 188.278 $\pm$ 0.027 χ^2 /NDF: 3465259.2/44

All: 187.421 $\pm$ 0.019 χ^2 /NDF: 7304517.1/90

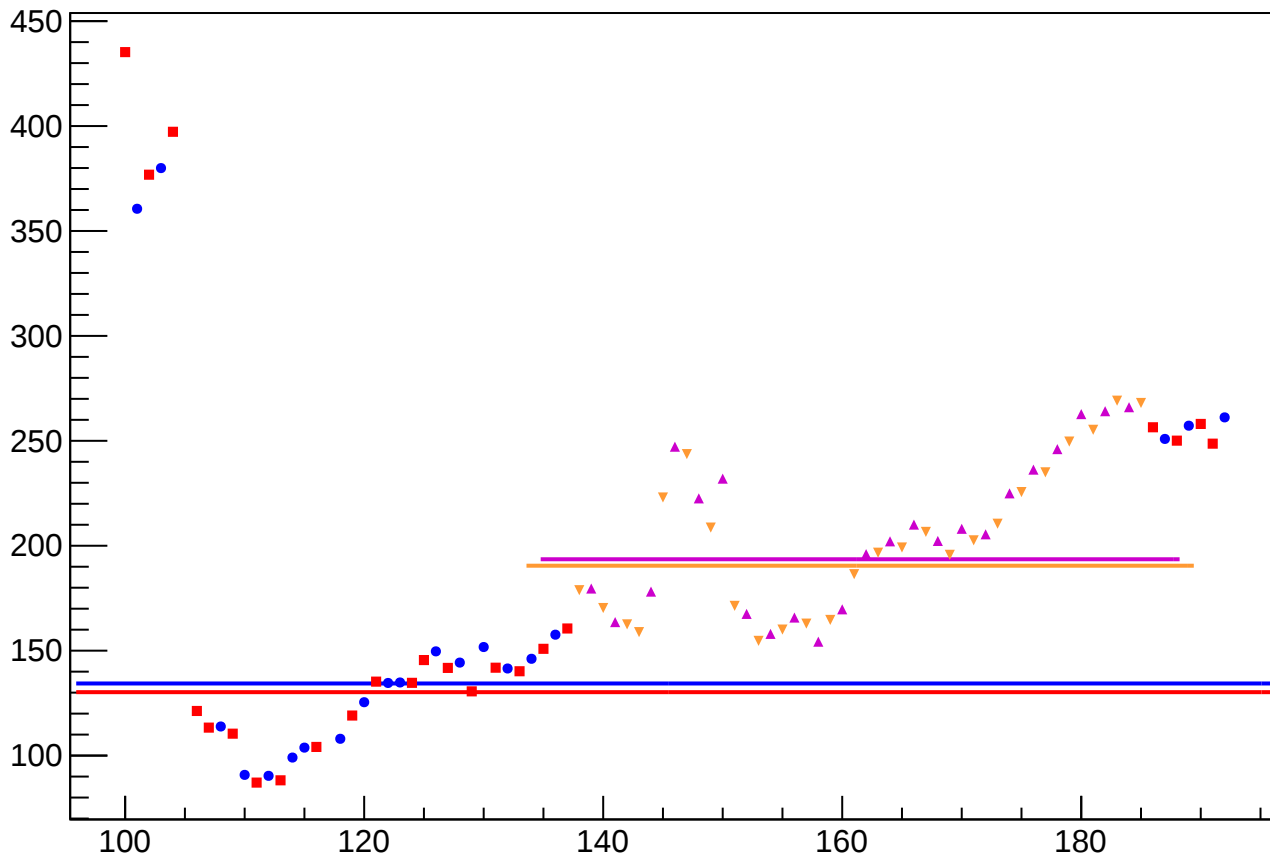
- sign 186.557 $\pm$ 0.027 χ^2 /NDF: 3837219.6/45

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: 143935.819 $\pm$ 0.047 χ^2 /NDF: 3292757846.2/22
 Left In: 140166.971 $\pm$ 0.047 χ^2 /NDF: 8028464654.6/22
 All: 142001.631 $\pm$ 0.024 χ^2 /NDF: 286441075
 + sign 141951.815 $\pm$ 0.034 χ^2 /NDF: 14165663555.
 - sign 142050.485 $\pm$ 0.034 χ^2 /NDF: 14474164111.3

yield_bpm0i01aWS_rms vs Slug



Right In: 134.362+/-0.036 χ^2/NDF : 2196565.6/19

Left Out: 190.486+/-0.032 χ^2/NDF : 950233.2/24

Right Out: 130.222+/-0.034 χ^2/NDF : 2392253.4/22

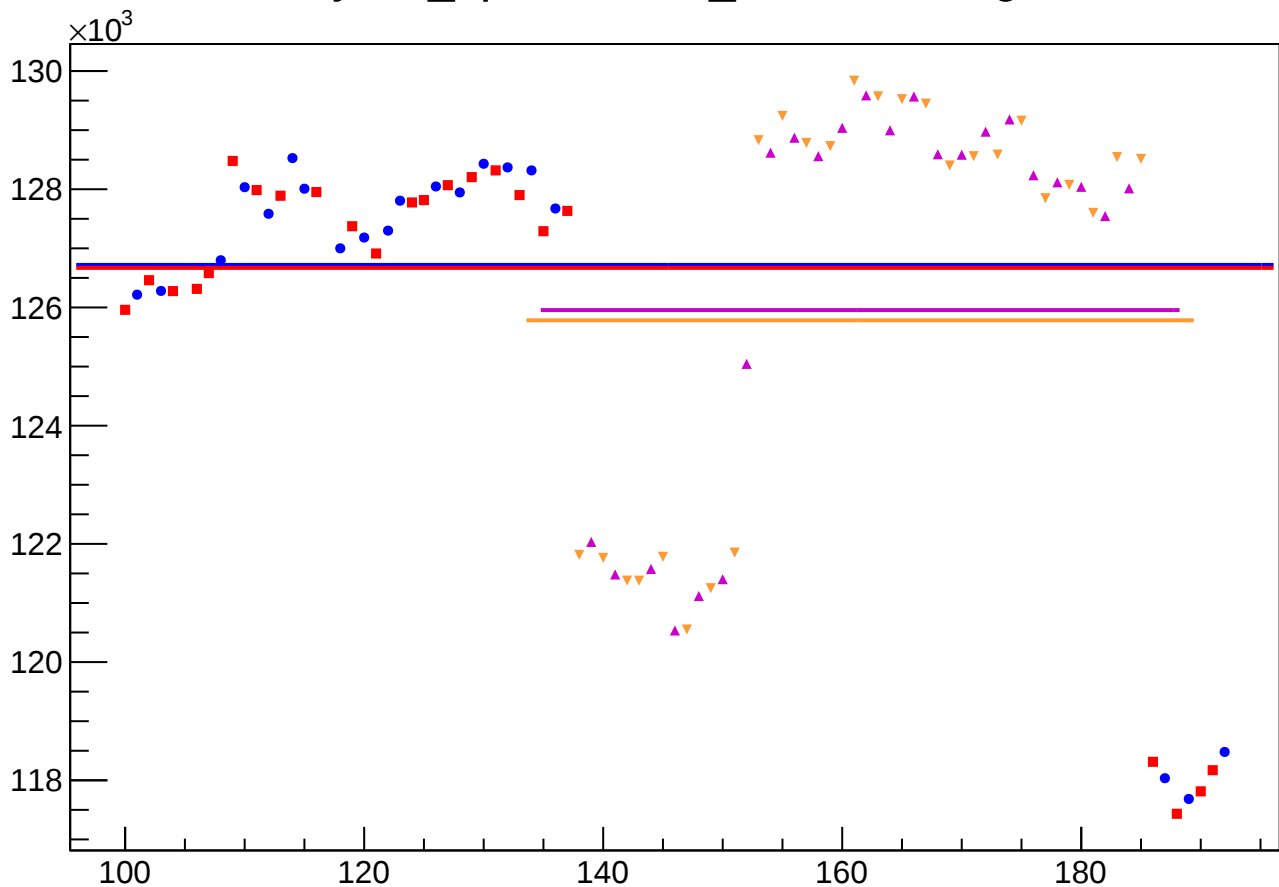
Left In: 193.558+/-0.034 χ^2/NDF : 963675.0/22

+ sign 165.886+/-0.024 χ^2/NDF : 4497289.3/44

All: 163.876+/-0.017 χ^2/NDF : 9648015.3/90

- sign 161.905+/-0.024 χ^2/NDF : 5136796.0/45

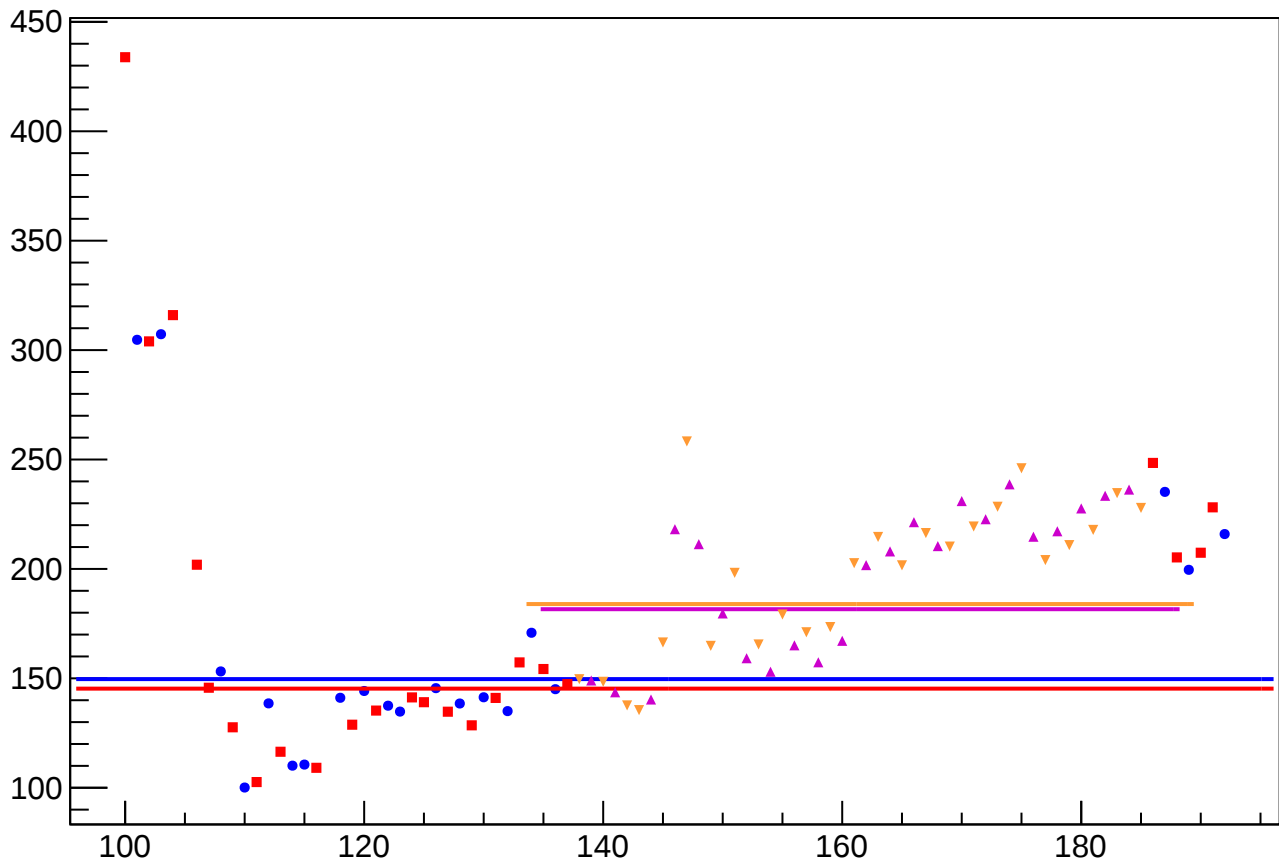
yield_bpm0l01WS_mean vs Slug



Right In: 126719.709 ± 0.055 $\chi^2/\text{NDF}: 2878635359.3/19$
 Left Out: 125782.764 ± 0.044 $\chi^2/\text{NDF}: 6729761889.8/24$
 Right Out: 126669.720 ± 0.052 $\chi^2/\text{NDF}: 3657236908.5/22$
 Left In: 125955.637 ± 0.045 $\chi^2/\text{NDF}: 5804088930.1/22$

+ sign 126147.695 ± 0.034 $\chi^2/\text{NDF}: 9784981355.9$
 All: 126206.115 ± 0.024 $\chi^2/\text{NDF}: 193612003$
 - sign 126262.670 ± 0.034 $\chi^2/\text{NDF}: 9570536774.8/$

yield_bpm0l01WS_rms vs Slug



Right In: 149.654 $\pm$ 0.039 χ^2 /NDF: 1134363.6/19

Left Out: 183.947 $\pm$ 0.031 χ^2 /NDF: 1123194.0/24

Right Out: 145.298 $\pm$ 0.036 χ^2 /NDF: 1409823.2/22

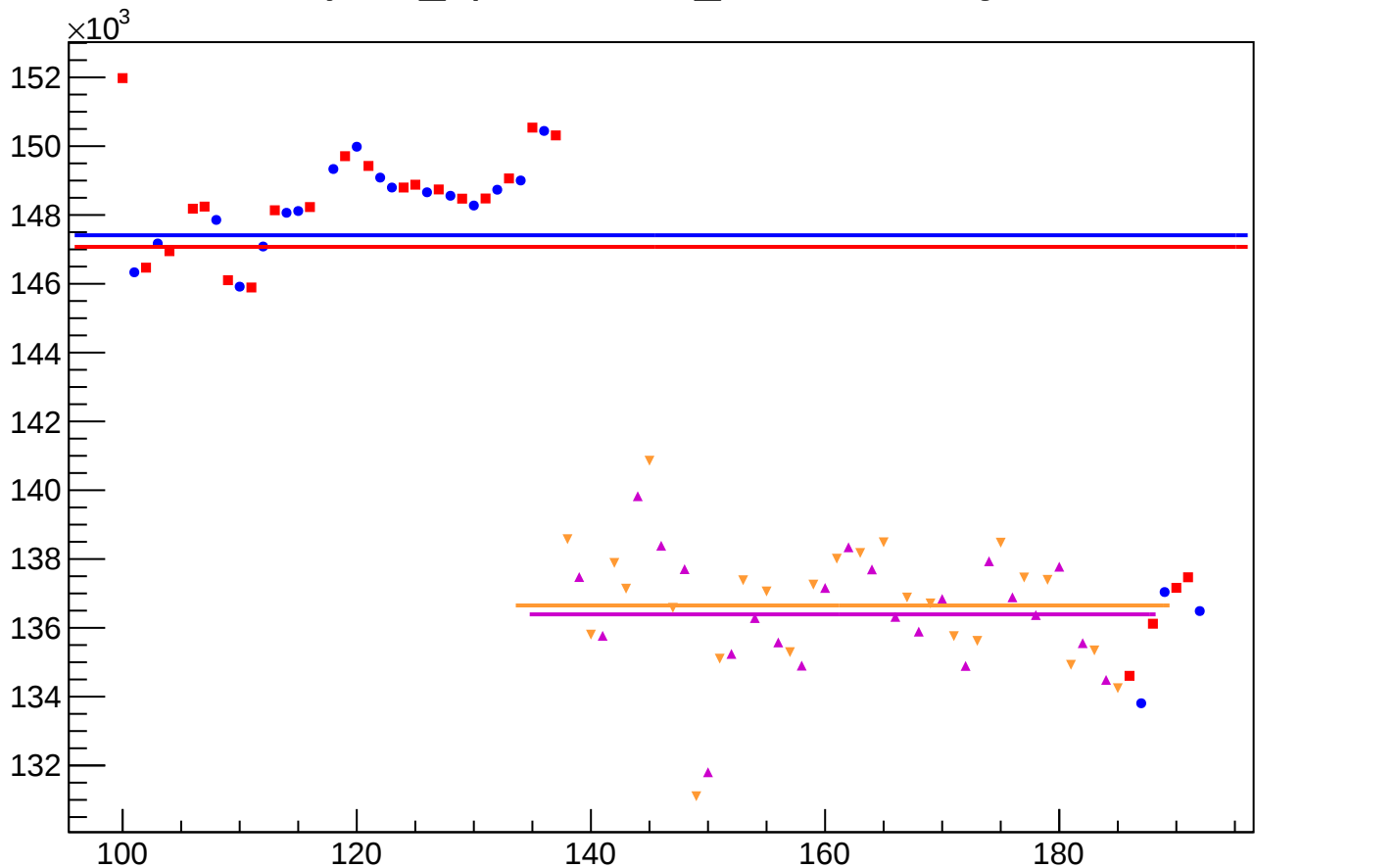
Left In: 181.596 $\pm$ 0.032 χ^2 /NDF: 1103524.3/22

+ sign 170.590 $\pm$ 0.024 χ^2 /NDF: 2730650.3/44

All: 168.252 $\pm$ 0.017 χ^2 /NDF: 5826554.2/90

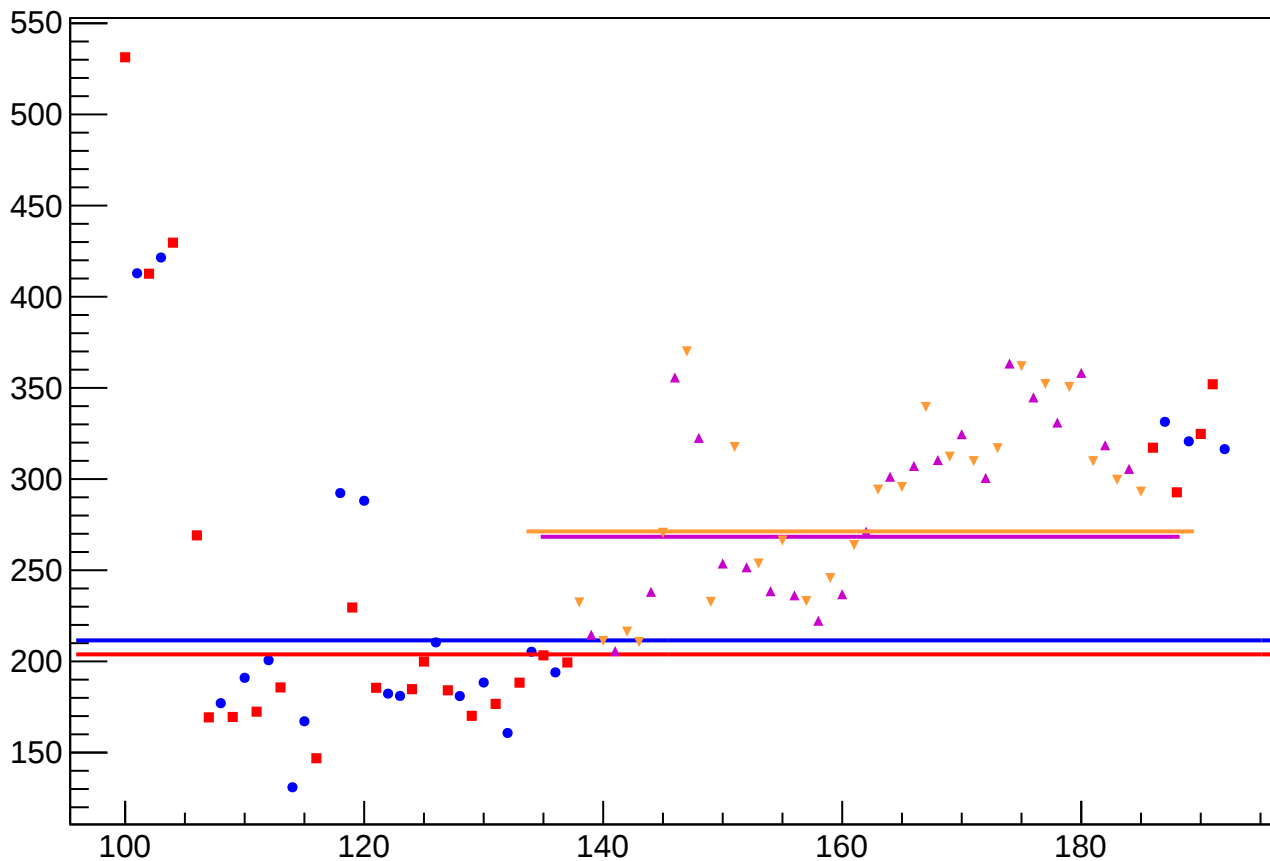
- sign 165.989 $\pm$ 0.024 χ^2 /NDF: 3077703.7/45

yield_bpm0l02WS_mean vs Slug



Right In: 147410.911 $\pm$ 0.078	χ^2 /NDF: 2223550673.6/19	+ sign 141005.609 $\pm$ 0.050	χ^2 /NDF: 14373207990.
Left Out: 136650.935 $\pm$ 0.065	χ^2 /NDF: 930649595.5/24	All: 141120.715 $\pm$ 0.035	χ^2 /NDF: 298140320
Right Out: 147073.499 $\pm$ 0.072	χ^2 /NDF: 2851530800.3/22	- sign 141230.917 $\pm$ 0.049	χ^2 /NDF: 15430393527.4
Left In: 136392.188 $\pm$ 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: 203.851+/-0.051 χ^2/NDF : 1333736.1/22

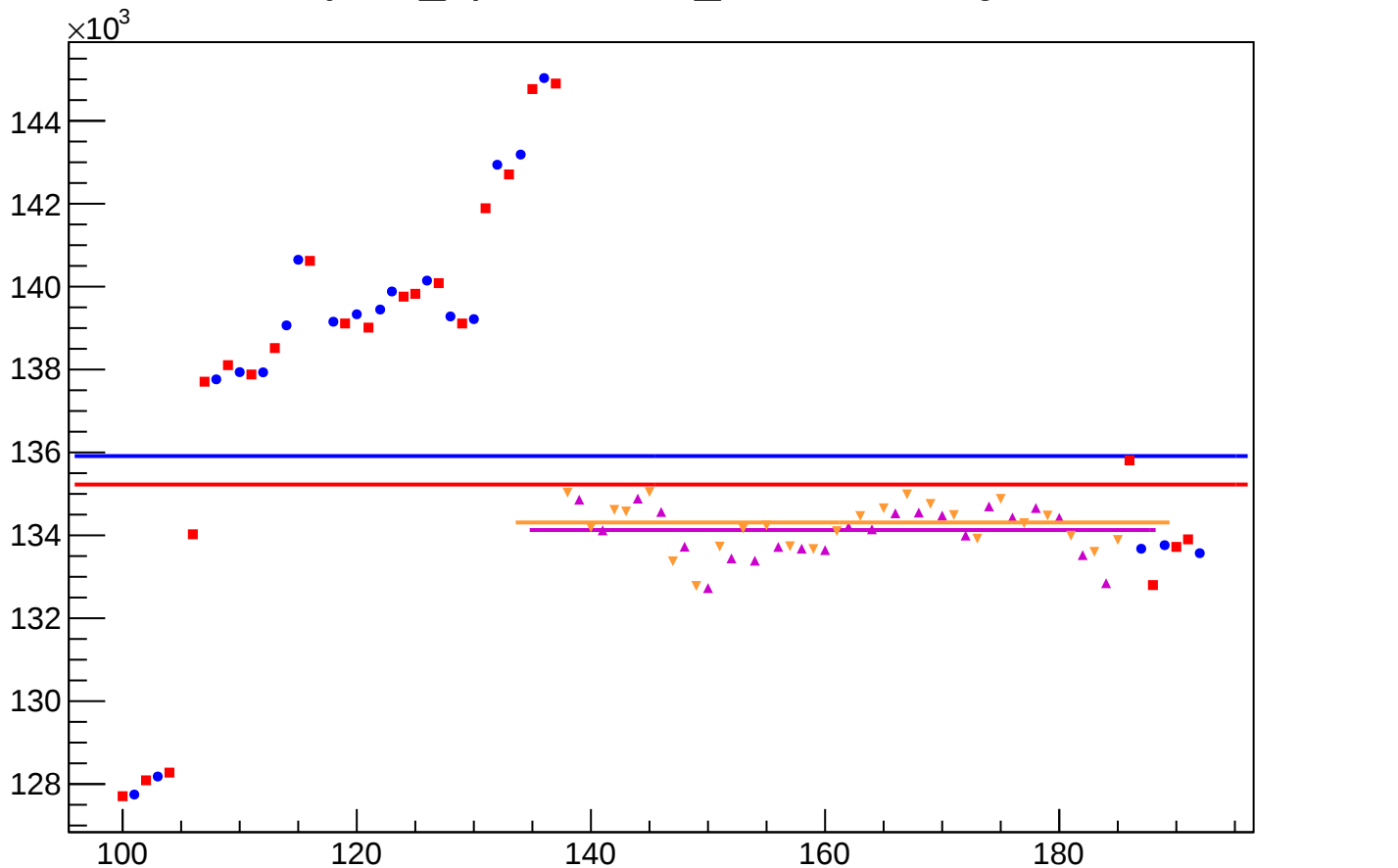
Left In: 268.344+/-0.047 χ^2/NDF :1077364.0/22

+ sign 247.108+/-0.035 χ^2/NDF : 3076125.0/44

All: 243.031+/-0.025 χ^2/NDF : 6379353.3/90

- sign 239.128+/-0.034 χ^2/NDF : 3277054.9/45

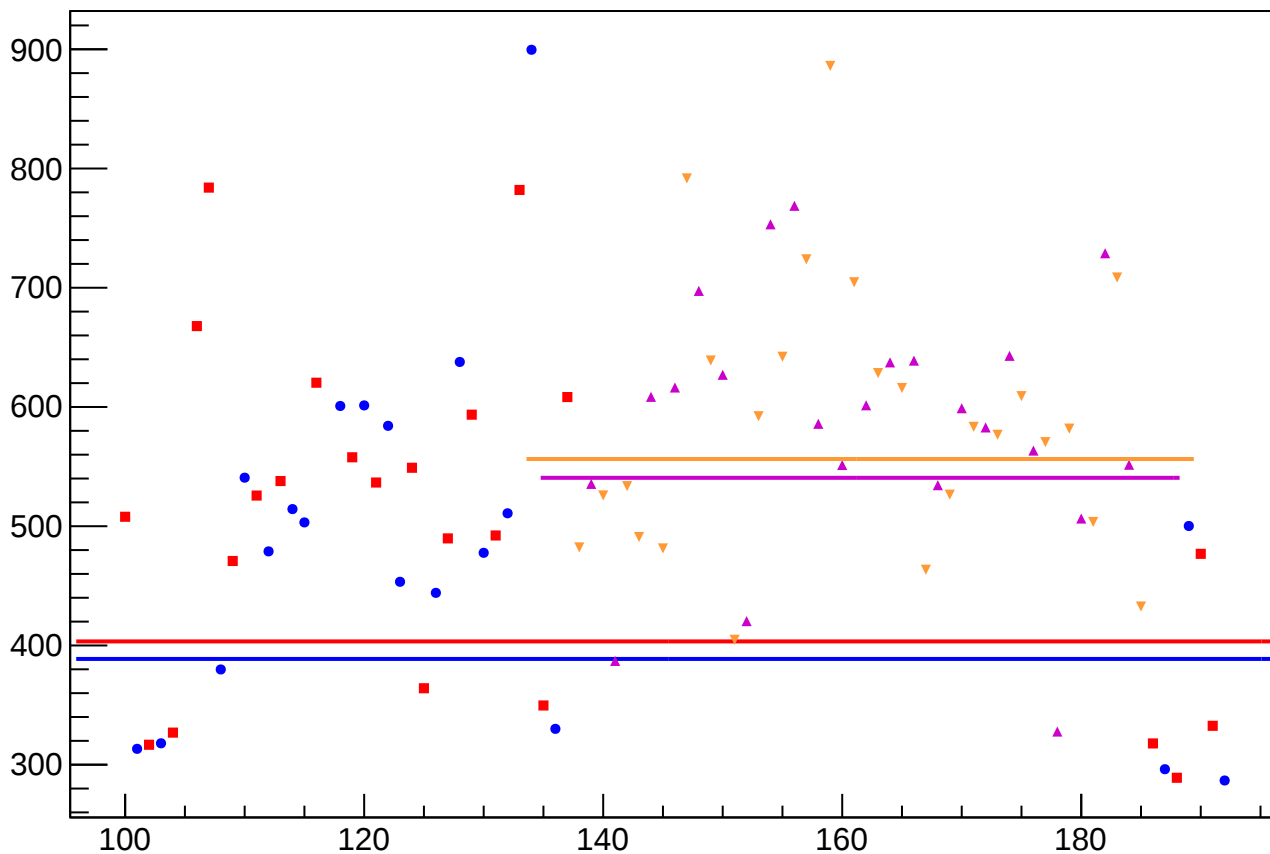
yield_bpm0l03WS_mean vs Slug



Right In: 135912.493 $\pm$ 0.151 χ^2 /NDF: 1562232912.6/19
 Left Out: 134310.250 $\pm$ 0.139 χ^2 /NDF: 15518632.9/24
 Right Out: 135225.876 $\pm$ 0.151 χ^2 /NDF: 1151693059.2/22
 Left In: 134128.172 $\pm$ 0.142 χ^2 /NDF: 15533736.2/22

+ sign 135043.269 $\pm$ 0.102 χ^2 /NDF: 1638929062.3
 All: 134846.099 $\pm$ 0.073 χ^2 /NDF: 284178865
 - sign 134643.666 $\pm$ 0.103 χ^2 /NDF: 1195294513.5/

yield_bpm0l03WS_rms vs Slug



Right In: 388.704 ± 0.107 $\chi^2/\text{NDF}: 1068223.6/19$

Left Out: 556.381 ± 0.098 $\chi^2/\text{NDF}: 1002064.0/24$

Right Out: 403.397 ± 0.107 $\chi^2/\text{NDF}: 1295100.5/22$

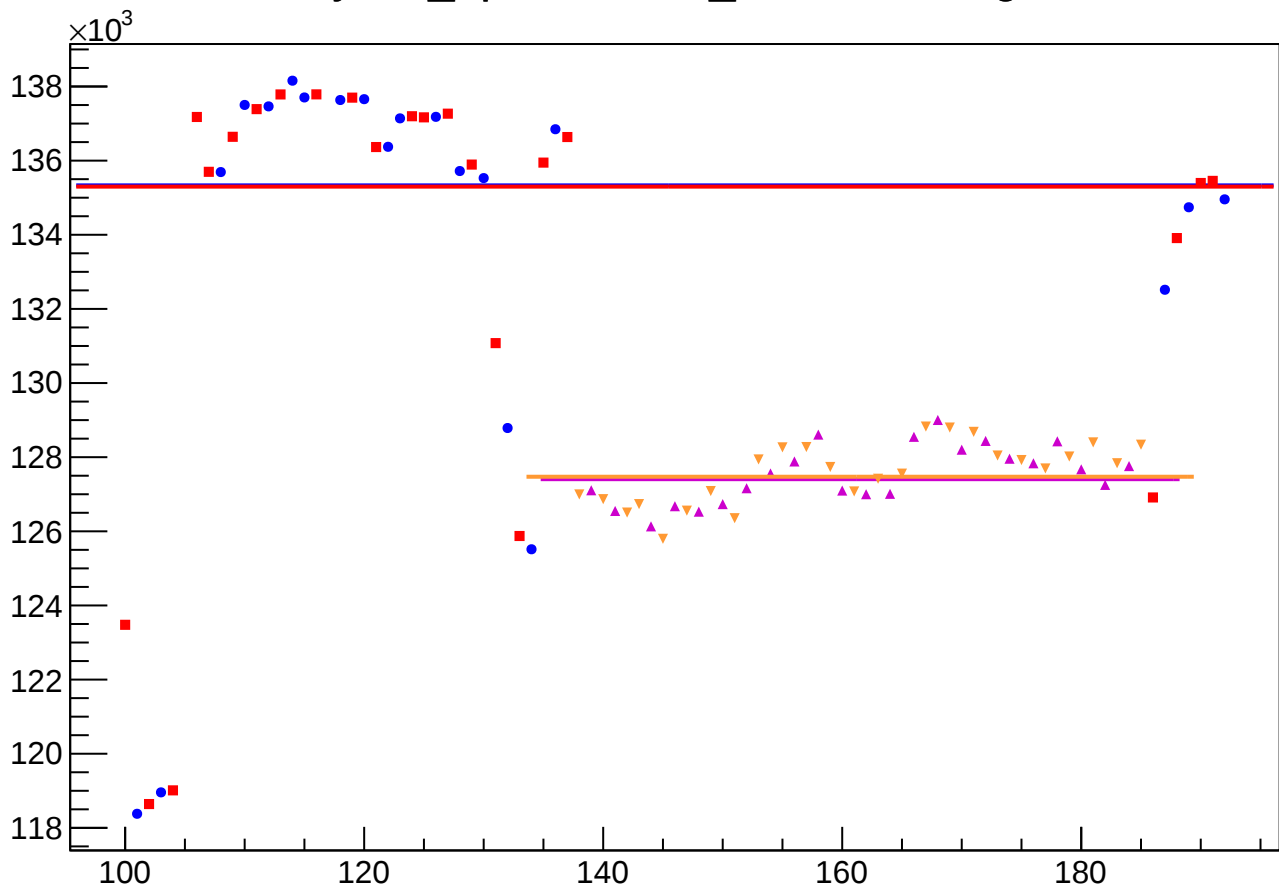
Left In: 540.607 ± 0.100 $\chi^2/\text{NDF}: 1409015.2/22$

+ sign 479.670 ± 0.072 $\chi^2/\text{NDF}: 3410314.7/44$

All: 477.944 ± 0.051 $\chi^2/\text{NDF}: 6992664.7/90$

- sign 476.172 ± 0.073 $\chi^2/\text{NDF}: 3581190.6/45$

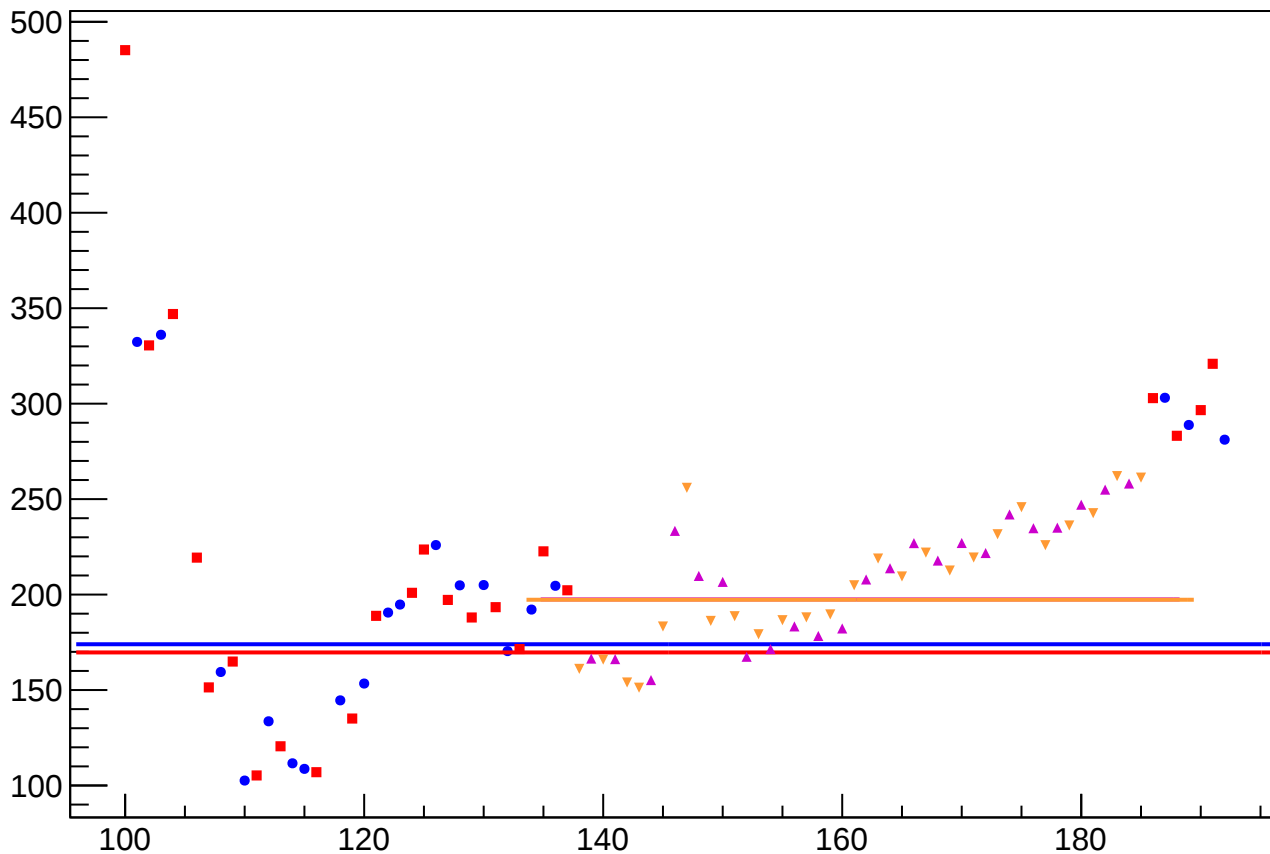
yield_bpm0l04WS_mean vs Slug



Right In: 135332.601 ± 0.066 $\chi^2/\text{NDF}: 4595081849.8/19$
 Left Out: 127472.525 ± 0.047 $\chi^2/\text{NDF}: 303609315.6/24$
 Right Out: 135299.108 ± 0.062 $\chi^2/\text{NDF}: 5051179214.7/22$
 Left In: 127406.911 ± 0.048 $\chi^2/\text{NDF}: 269927988.0/22$

+ sign 130130.474 ± 0.038 $\chi^2/\text{NDF}: 14414533933.6/24$
 All: 130269.351 ± 0.027 $\chi^2/\text{NDF}: 298880024.7/24$
 - sign 130407.899 ± 0.038 $\chi^2/\text{NDF}: 15446953277.6/24$

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: 169.690 $\pm$ 0.044 χ^2 /NDF: 2092217.9/22

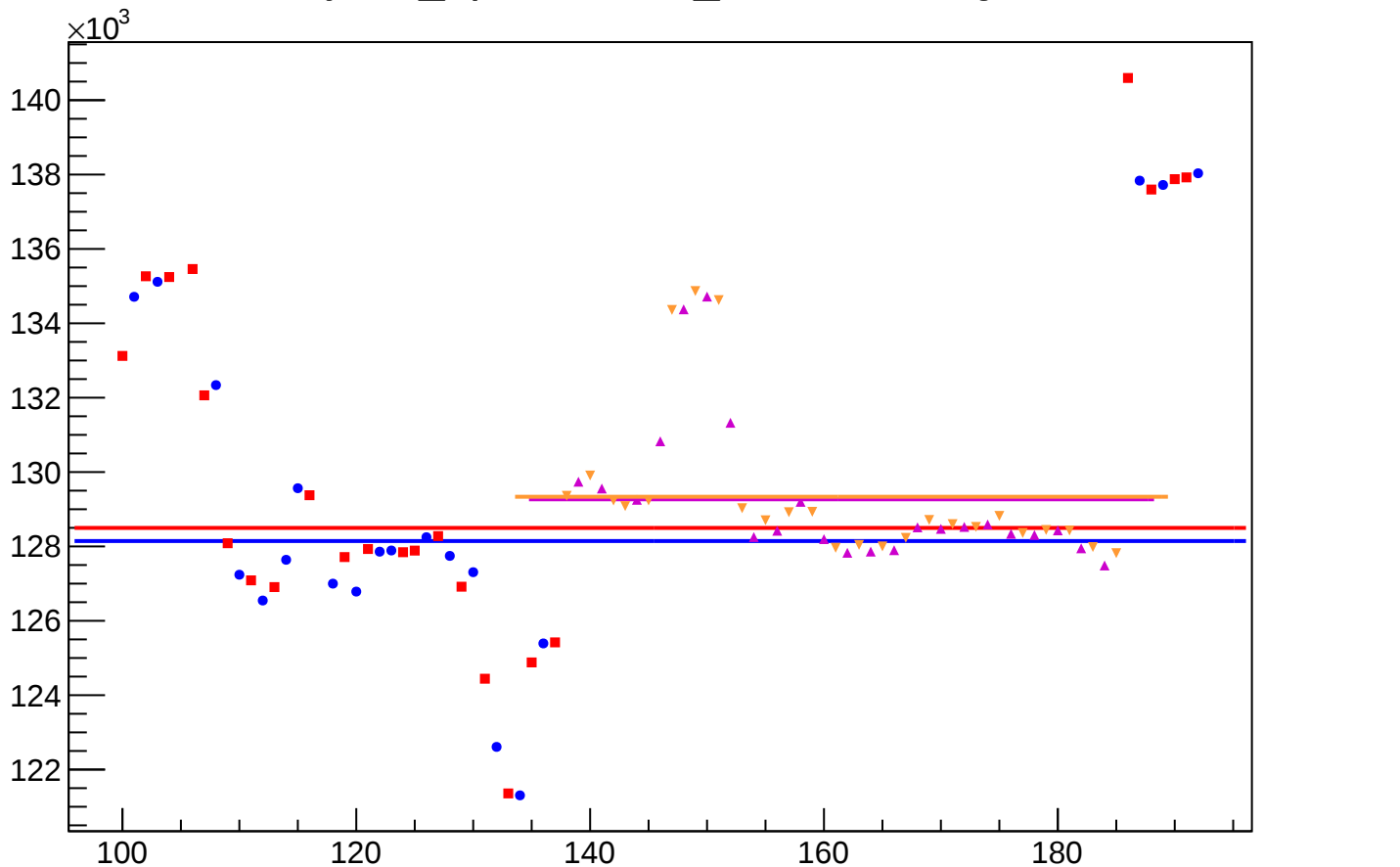
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 189.408 $\pm$ 0.027 χ^2 /NDF: 2753359.1/44

All: 188.156 $\pm$ 0.019 χ^2 /NDF: 5892398.7/90

- sign 186.907 $\pm$ 0.027 χ^2 /NDF: 3134729.5/45

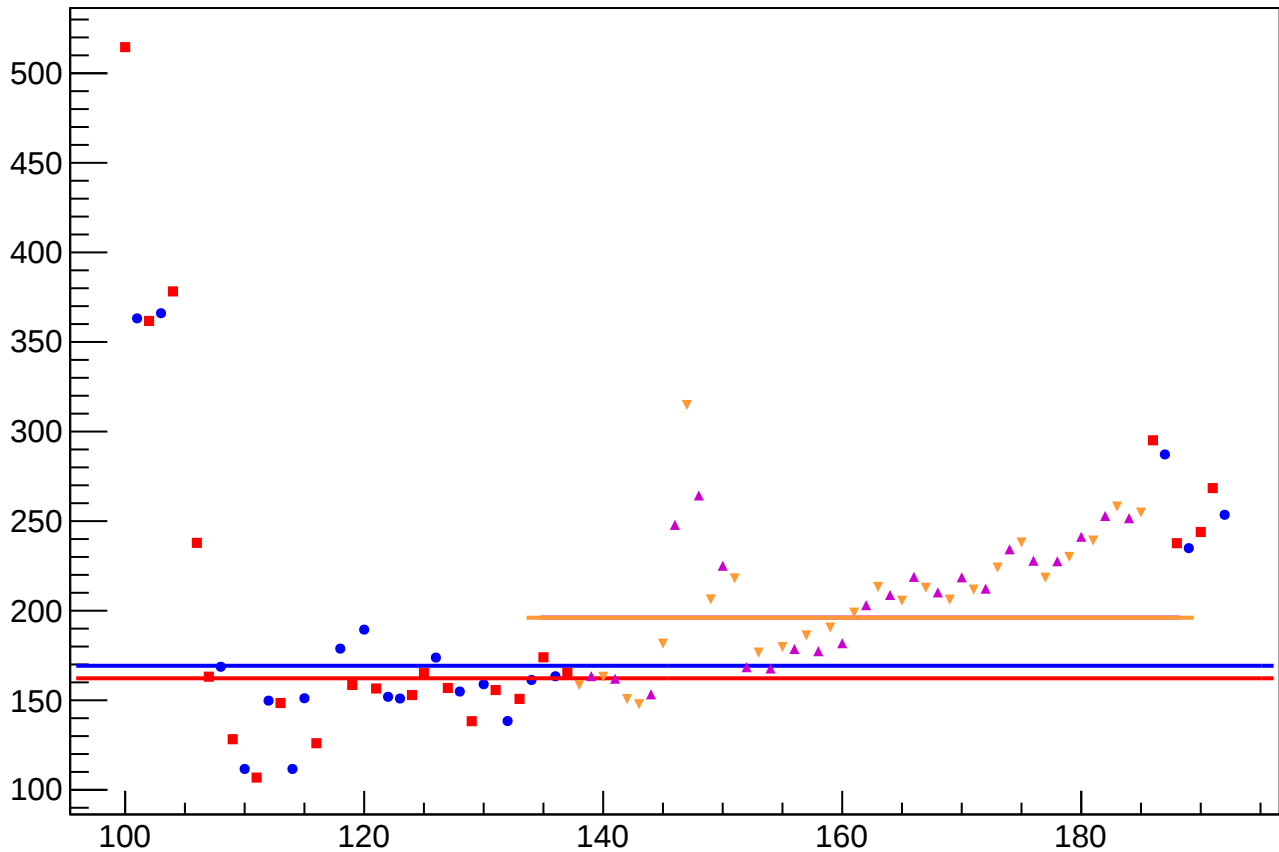
yield_bpm0l05WS_mean vs Slug



Right In: 128145.389 ± 0.063 $\chi^2/\text{NDF}: 4308826385.1/19$
 Left Out: 129335.946 ± 0.047 $\chi^2/\text{NDF}: 1450933621.0/24$
 Right Out: 128497.961 ± 0.058 $\chi^2/\text{NDF}: 5119813945.7/22$
 Left In: 129266.909 ± 0.048 $\chi^2/\text{NDF}: 1213762773.1/22$

+ sign 128914.369 ± 0.038 $\chi^2/\text{NDF}: 5989634537.1/24$
 All: 128935.346 ± 0.026 $\chi^2/\text{NDF}: 124269658.1/24$
 - sign 128955.886 ± 0.037 $\chi^2/\text{NDF}: 6436713737.4/24$

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: 162.272 $\pm$ 0.041 χ^2 /NDF: 1621799.7/22

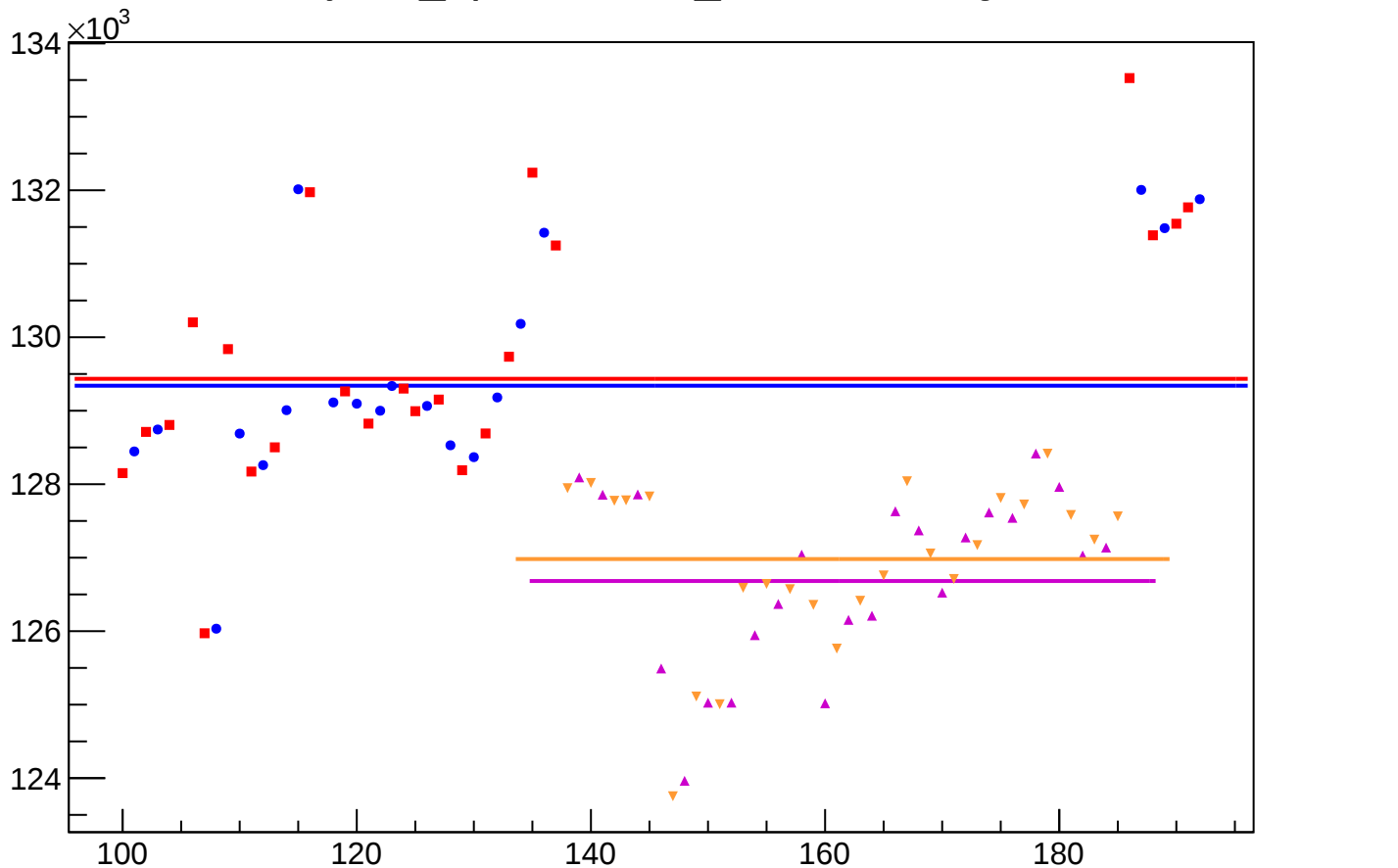
Left In: 196.186 $\pm$ 0.034 χ^2 /NDF: 898058.0/22

+ sign 186.581 $\pm$ 0.027 χ^2 /NDF: 2509239.7/44

All: 184.503 $\pm$ 0.019 χ^2 /NDF: 5442454.7/90

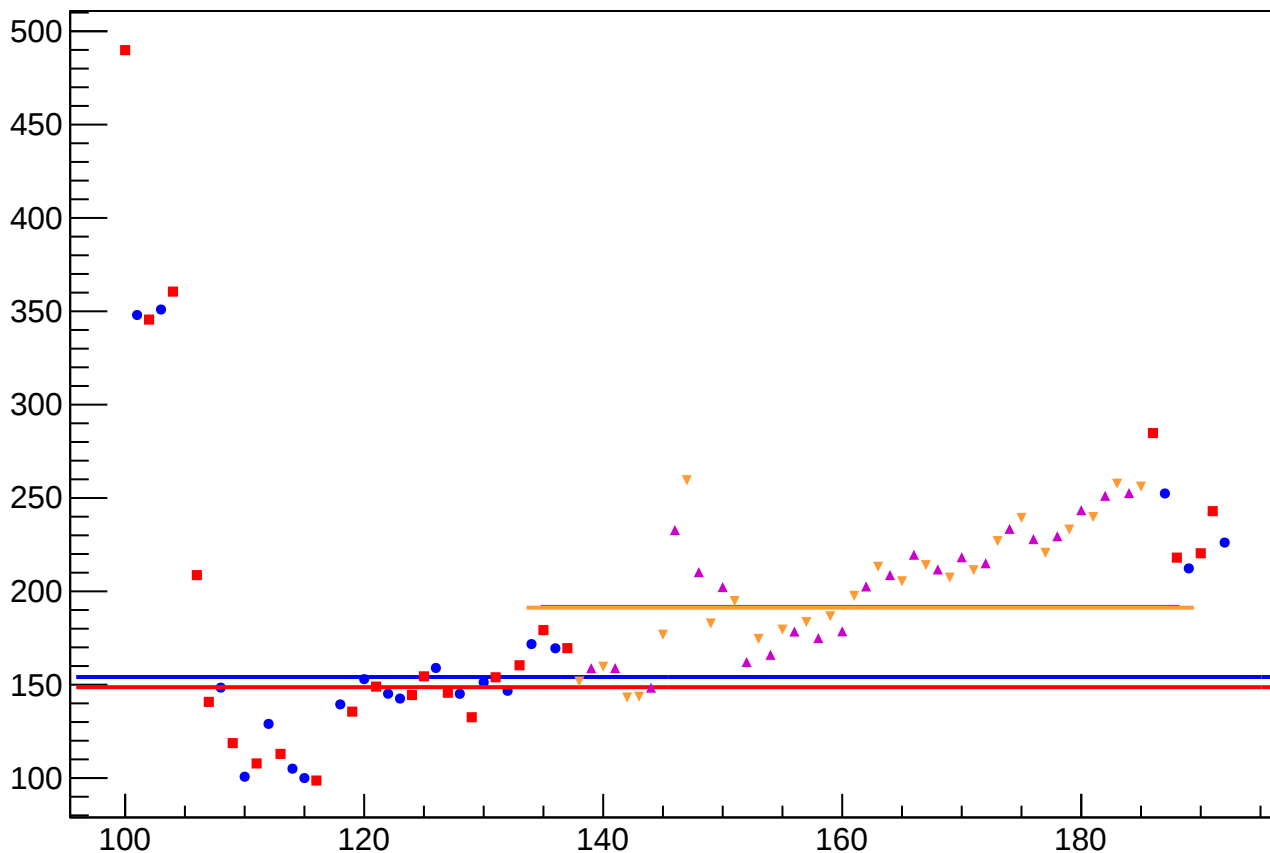
- sign 182.469 $\pm$ 0.026 χ^2 /NDF: 2921099.3/45

yield_bpm0l06WS_mean vs Slug



Right In: 129340.365 $\pm$ 0.057	χ^2/NDF : 675706307.9/19	+ sign 127896.915 $\pm$ 0.036	χ^2/NDF : 2247923545.2
Left Out: 126981.724 $\pm$ 0.046	χ^2/NDF : 530573115.8/24	All: 127891.333 $\pm$ 0.025	χ^2/NDF : 525641419
Right Out: 129434.341 $\pm$ 0.053	χ^2/NDF : 848772112.5/22	- sign 127885.864 $\pm$ 0.035	χ^2/NDF : 3008442014.5/
Left In: 126682.659 $\pm$ 0.047	χ^2/NDF : 660415880.0/22		

yield_bpm0l06WS_rms vs Slug



Right In: 154.115 ± 0.040 χ^2/NDF : 1400438.9/19

Left Out: 191.263 ± 0.032 χ^2/NDF : 992566.2/24

Right Out: 148.685 ± 0.038 χ^2/NDF : 1750185.2/22

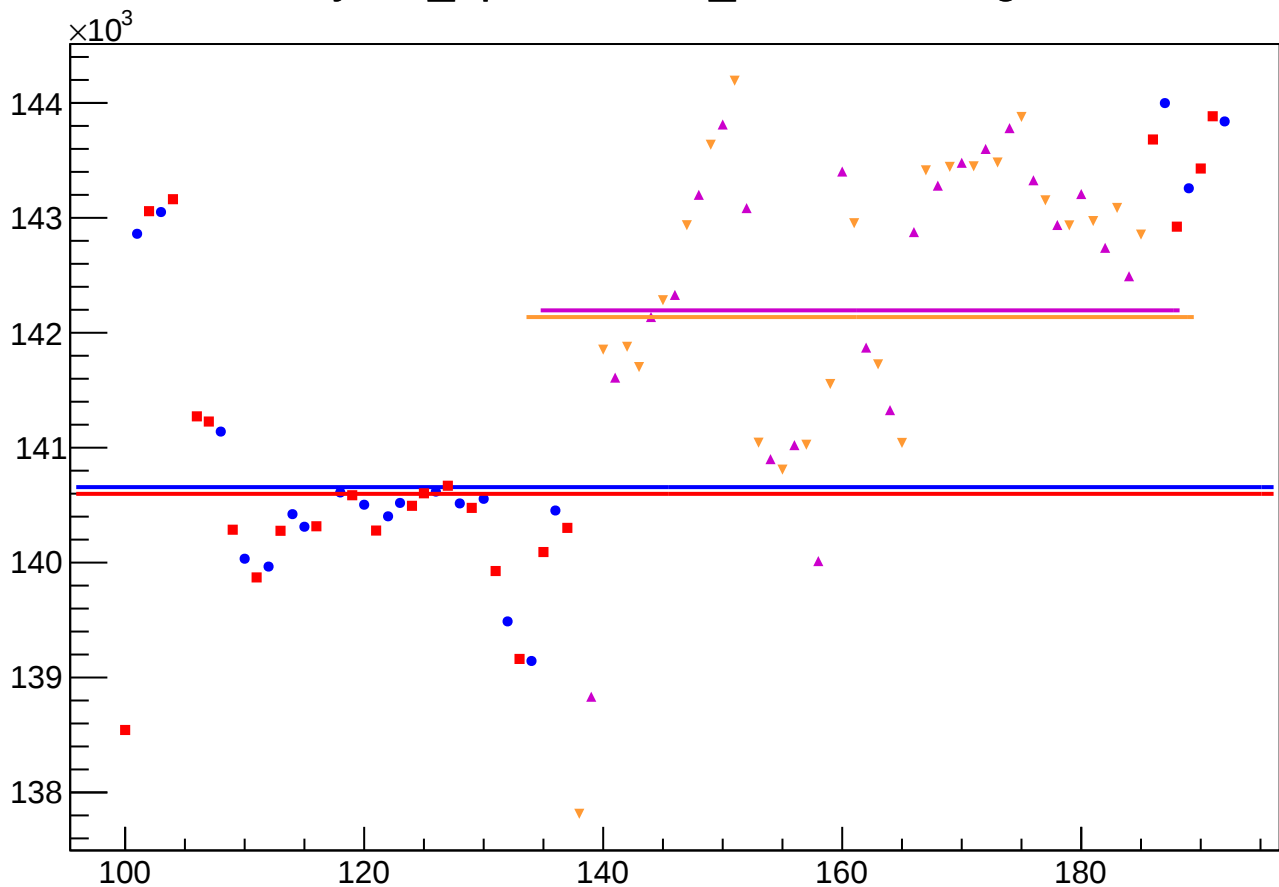
Left In: 191.683 ± 0.033 χ^2/NDF : 864384.9/22

+ sign 176.849 ± 0.025 χ^2/NDF : 2909766.5/44

All: 174.845 ± 0.018 χ^2/NDF : 6269009.0/90

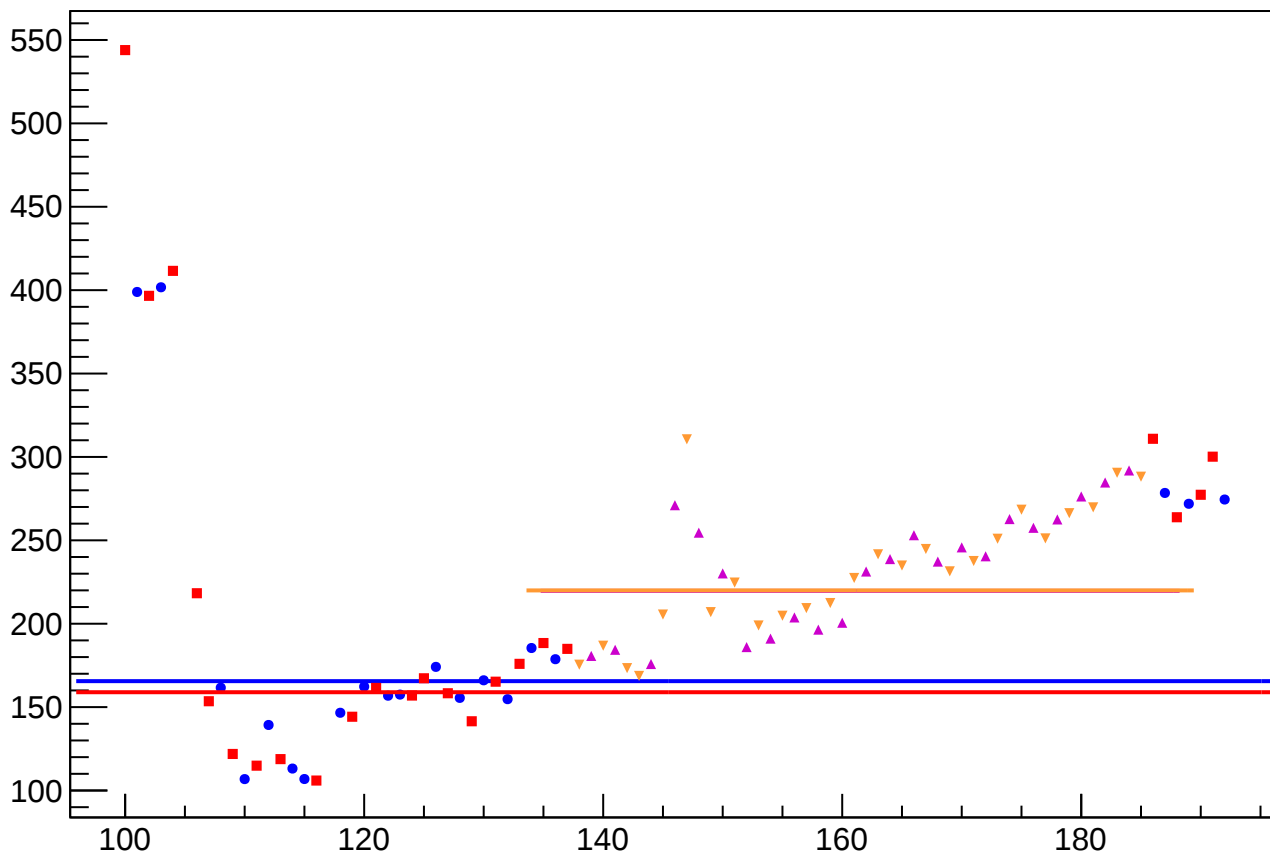
- sign 172.882 ± 0.025 χ^2/NDF : 3346703.6/45

yield_bpm0l07WS_mean vs Slug



Right In: 140656.828+/-0.062	χ^2/NDF : 290390310.8/19	+ sign 141519.800+/-0.040	χ^2/NDF : 1439308616.6
Left Out: 142136.579+/-0.052	χ^2/NDF : 815573343.0/24	All: 141483.668+/-0.028	χ^2/NDF : 278016170
Right Out: 140598.205+/-0.057	χ^2/NDF : 284435177.6/22	- sign 141448.701+/-0.039	χ^2/NDF : 1339244198.4/
Left In: 142195.020+/-0.054	χ^2/NDF : 644030906.9/22		

yield_bpm0l07WS_rms vs Slug



Right In: 165.569 $\pm$ 0.044 χ^2 /NDF: 1675084.7/19

Left Out: 219.969 $\pm$ 0.037 χ^2 /NDF: 866616.3/24

Right Out: 158.924 $\pm$ 0.041 χ^2 /NDF: 2052643.6/22

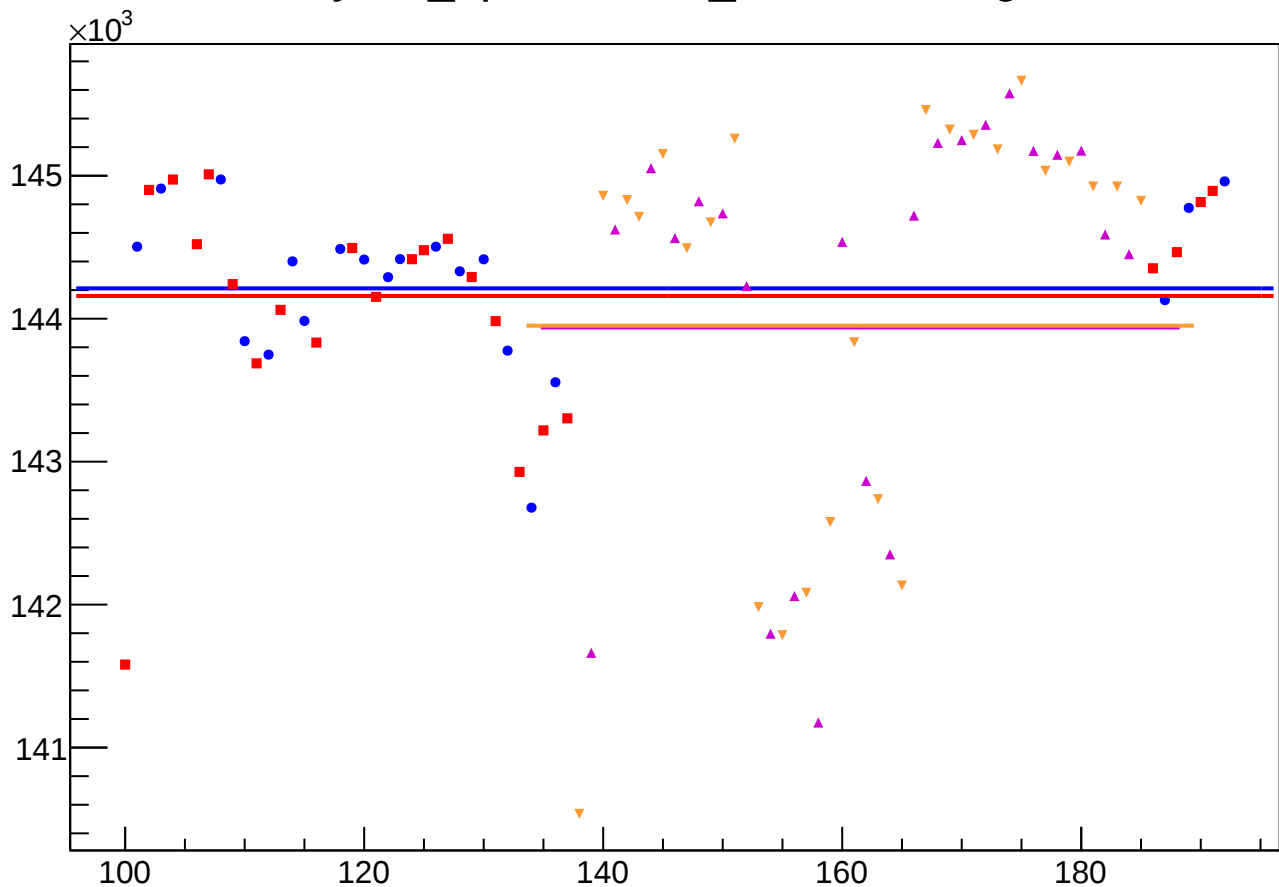
Left In: 219.685 $\pm$ 0.038 χ^2 /NDF: 812745.1/22

+ sign 197.294 $\pm$ 0.028 χ^2 /NDF: 3442761.4/44

All: 194.241 $\pm$ 0.020 χ^2 /NDF: 7520640.7/90

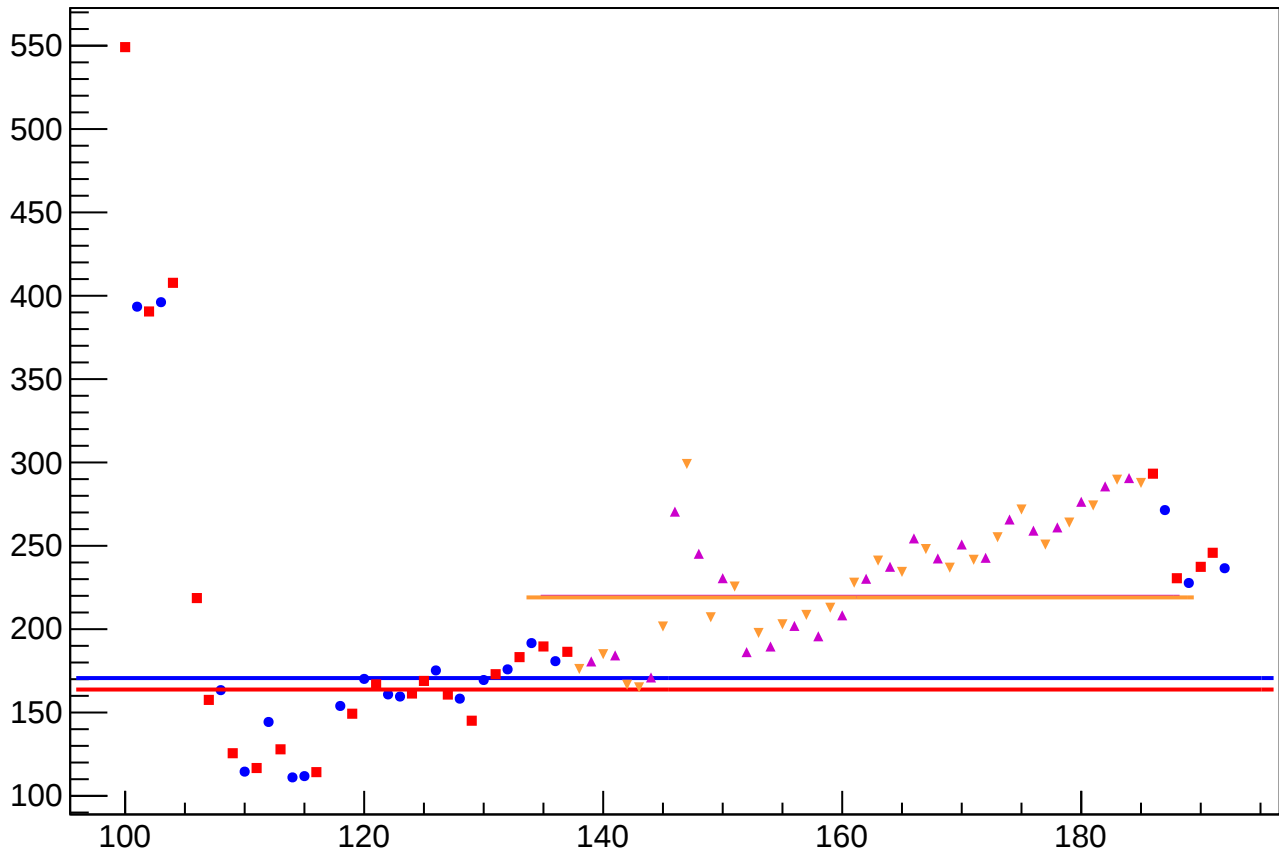
- sign 191.286 $\pm$ 0.028 χ^2 /NDF: 4054903.2/45

yield_bpm0l08WS_mean vs Slug



Right In: 144212.067 $\pm$ 0.063	χ^2 /NDF: 60348289.7/19	+ sign 144057.058 $\pm$ 0.040	χ^2 /NDF: 935175998.1/4
Left Out: 143951.284 $\pm$ 0.052	χ^2 /NDF: 864679545.2/24	All: 144048.101 $\pm$ 0.028	χ^2 /NDF: 173525892
Right Out: 144158.808 $\pm$ 0.059	χ^2 /NDF: 72478701.9/22	- sign 144039.400 $\pm$ 0.040	χ^2 /NDF: 799985039.6/4
Left In: 143938.288 $\pm$ 0.054	χ^2 /NDF: 719814685.6/22		

yield_bpm0l08WS_rms vs Slug



Right In: 170.666 ± 0.045 χ^2/NDF : 1339735.8/19

Left Out: 219.050 ± 0.037 χ^2/NDF : 934417.6/24

Right Out: 163.790 ± 0.041 χ^2/NDF : 1676856.6/22

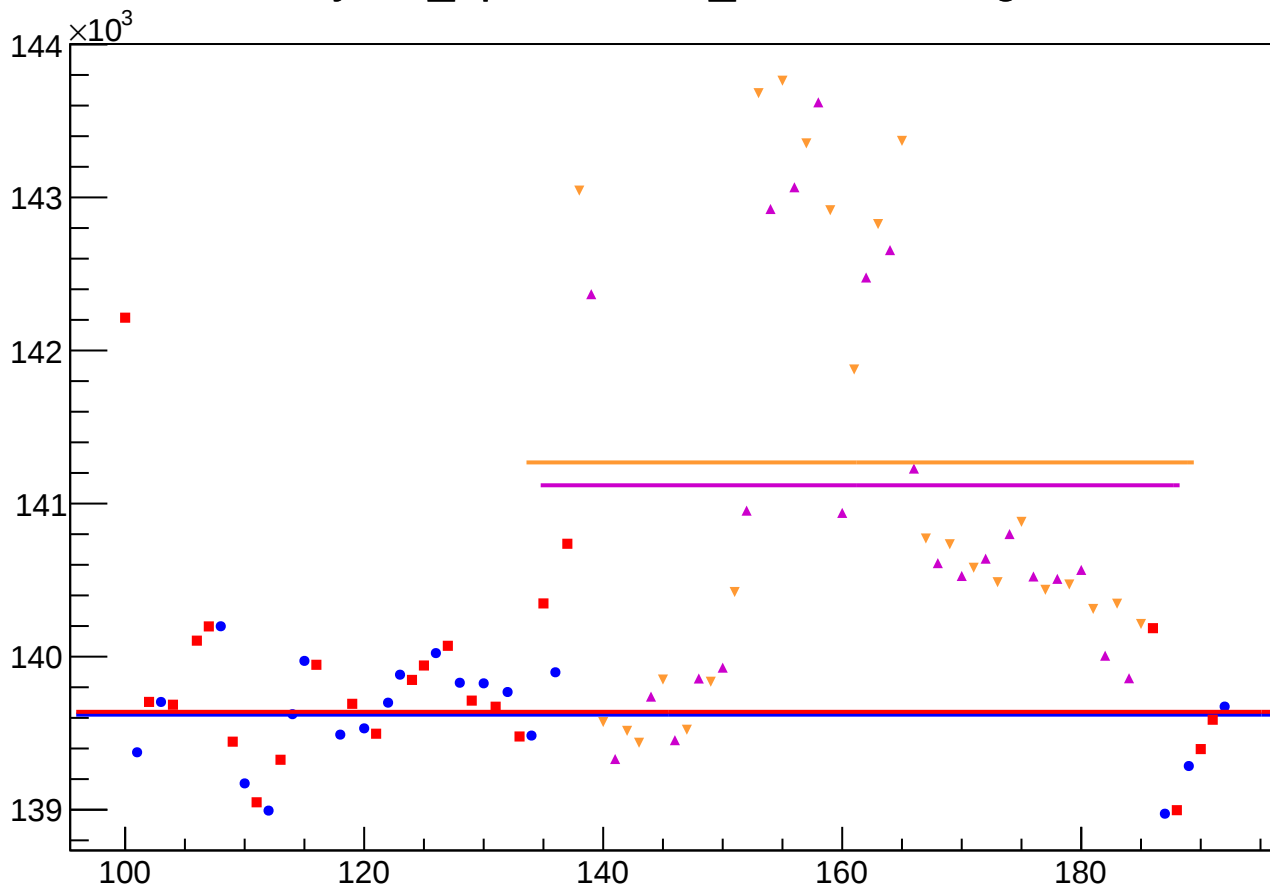
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 199.425 ± 0.028 χ^2/NDF : 2972809.4/44

All: 196.631 ± 0.020 χ^2/NDF : 6498003.0/90

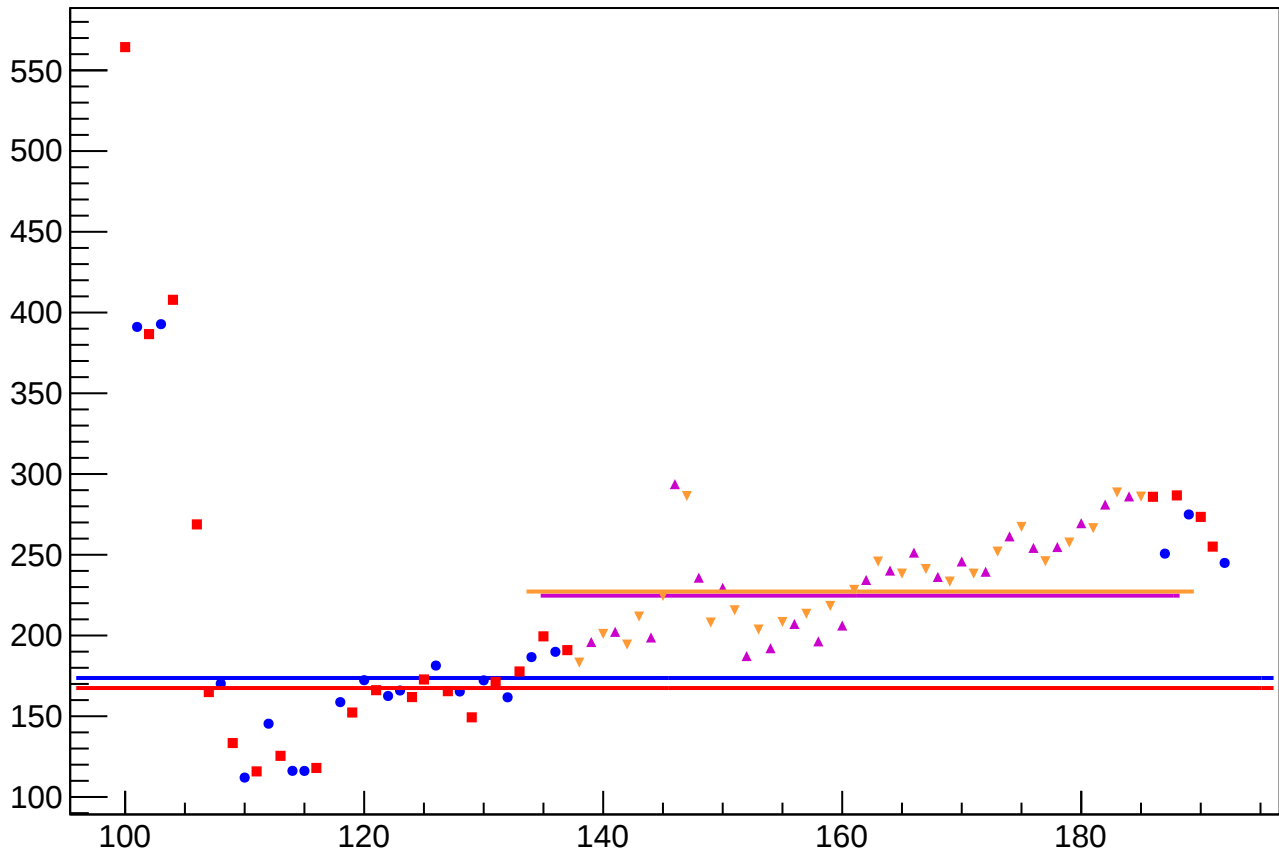
- sign 193.916 ± 0.028 χ^2/NDF : 3506136.5/45

yield_bpm0l09WS_mean vs Slug



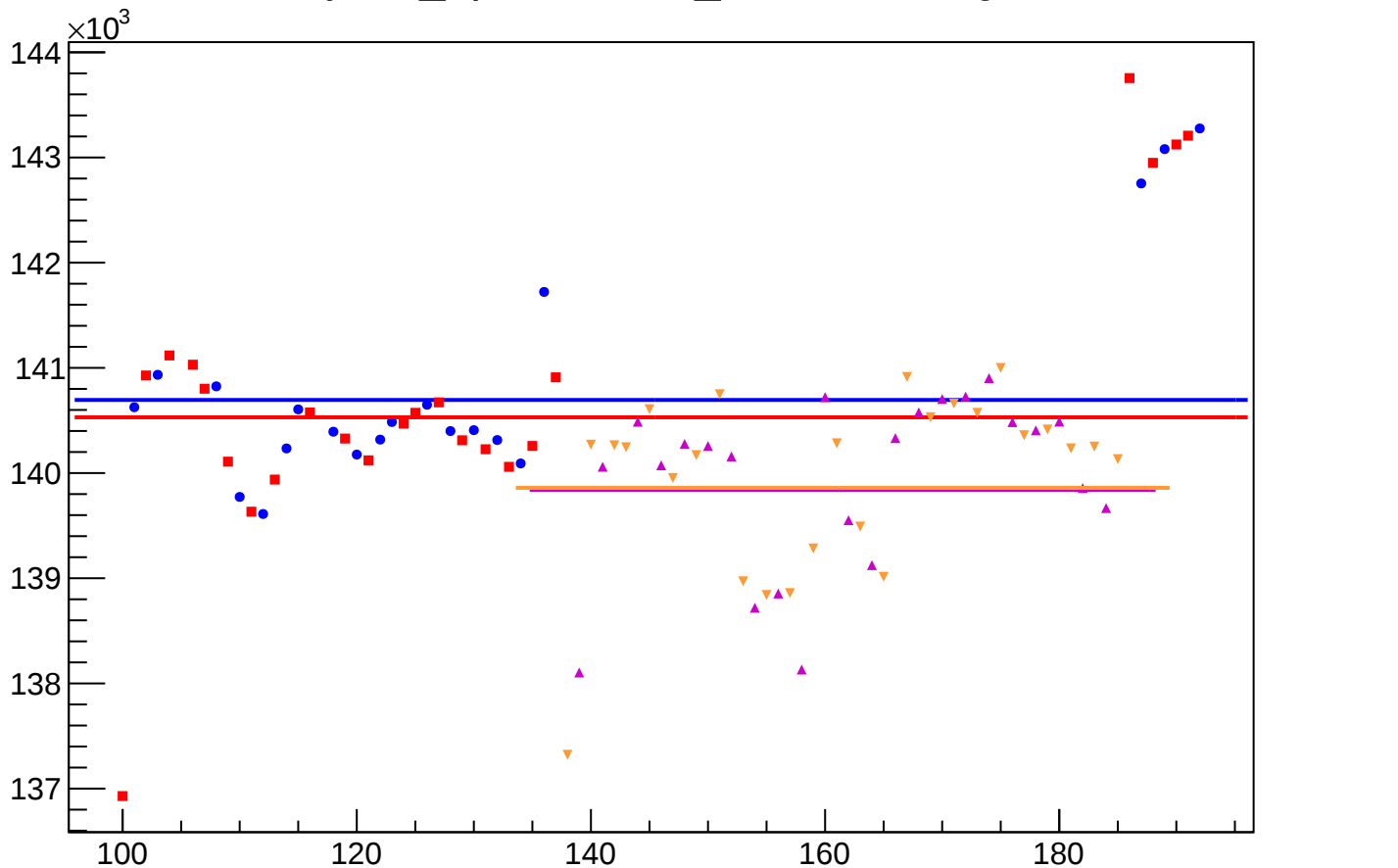
Right In: 139621.127 $\pm$ 0.064	χ^2 /NDF: 26584894.1/19	+ sign 140594.018 $\pm$ 0.041	χ^2 /NDF: 1208136251.0/19
Left Out: 141268.791 $\pm$ 0.054	χ^2 /NDF: 795989244.2/24	All: 140520.215 $\pm$ 0.029	χ^2 /NDF: 215334452.0/43
Right Out: 139639.624 $\pm$ 0.060	χ^2 /NDF: 44449711.8/22	- sign 140448.745 $\pm$ 0.041	χ^2 /NDF: 938911309.3/43
Left In: 141119.484 $\pm$ 0.055	χ^2 /NDF: 565312728.1/22		

yield_bpm0l09WS_rms vs Slug



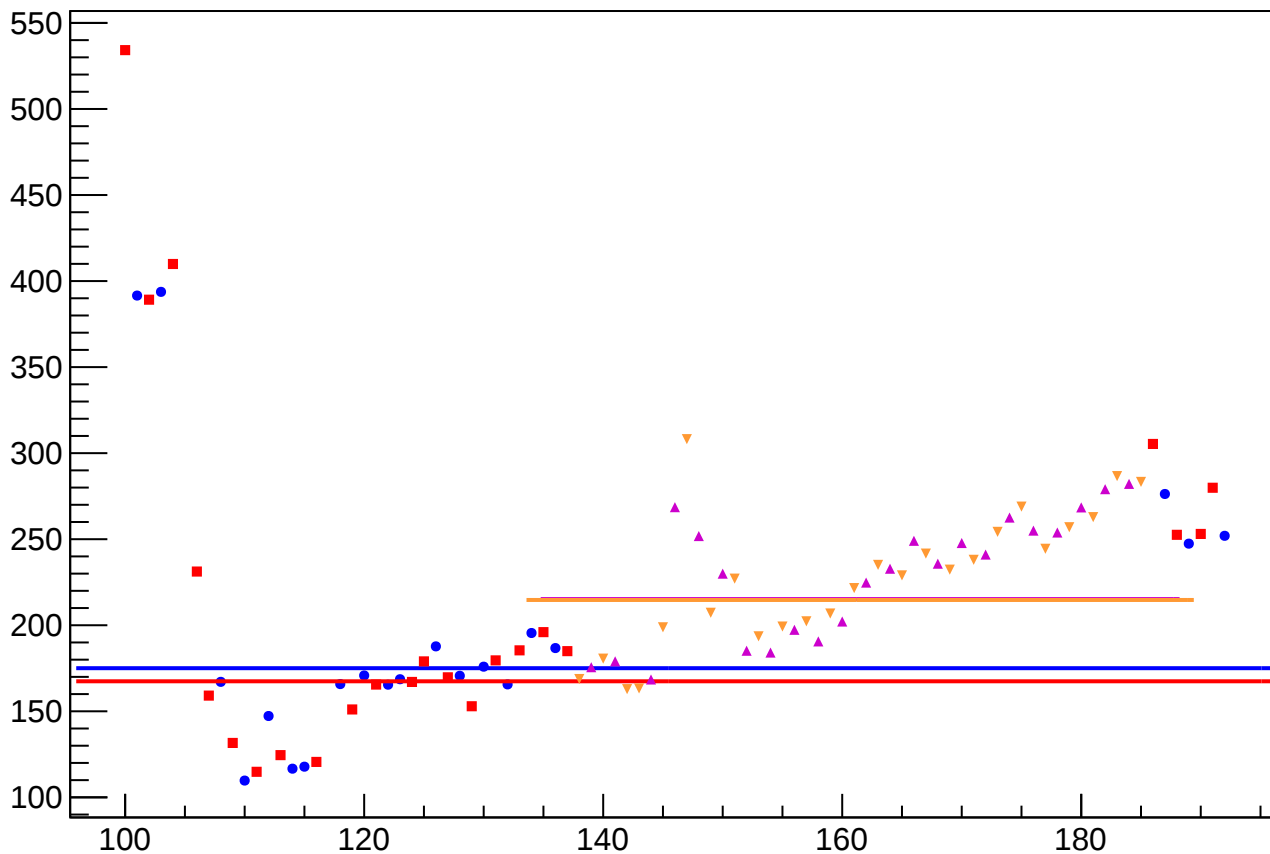
Right In: 173.692 $\pm$ 0.046	χ^2 /NDF: 1408825.2/19	+ sign 205.301 $\pm$ 0.029	χ^2 /NDF: 2707757.8/44
Left Out: 227.224 $\pm$ 0.038	χ^2 /NDF: 484955.3/24	All: 201.973 $\pm$ 0.020	χ^2 /NDF: 6182413.3/90
Right Out: 167.465 $\pm$ 0.043	χ^2 /NDF: 1886465.0/22	- sign 198.751 $\pm$ 0.029	χ^2 /NDF: 3449055.3/45
Left In: 224.686 $\pm$ 0.039	χ^2 /NDF: 578366.0/22		

yield_bpm0l10WS_mean vs Slug



Right In: 140694.901 $\pm$ 0.065	χ^2 /NDF: 234076149.3/19	+ sign 140179.028 $\pm$ 0.040	χ^2 /NDF: 666345920.8/4
Left Out: 139859.696 $\pm$ 0.051	χ^2 /NDF: 330118281.5/24	All: 140159.216 $\pm$ 0.028	χ^2 /NDF: 125880250
Right Out: 140530.136 $\pm$ 0.060	χ^2 /NDF: 237706999.5/22	- sign 140139.886 $\pm$ 0.040	χ^2 /NDF: 591975728.3/4
Left In: 139838.724 $\pm$ 0.053	χ^2 /NDF: 279573689.3/22		

yield_bpm0l10WS_rms vs Slug



Right In: 175.050 ± 0.046 χ^2/NDF : 1403218.5/19

Left Out: 214.693 ± 0.036 χ^2/NDF : 981105.5/24

Right Out: 167.436 ± 0.042 χ^2/NDF : 1789006.8/22

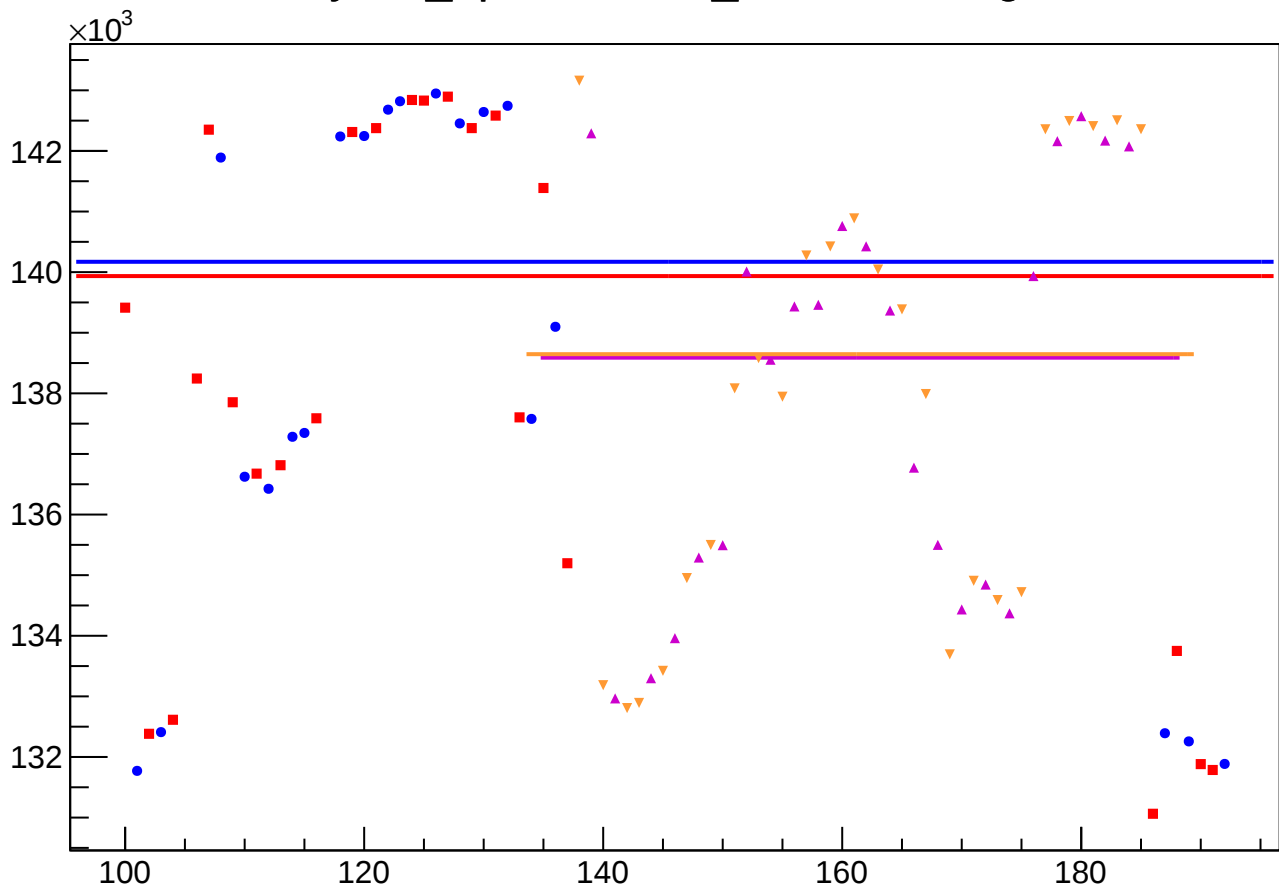
Left In: 215.222 ± 0.037 χ^2/NDF : 881945.0/22

+ sign 199.536 ± 0.028 χ^2/NDF : 2844595.8/44

All: 196.940 ± 0.020 χ^2/NDF : 6245655.5/90

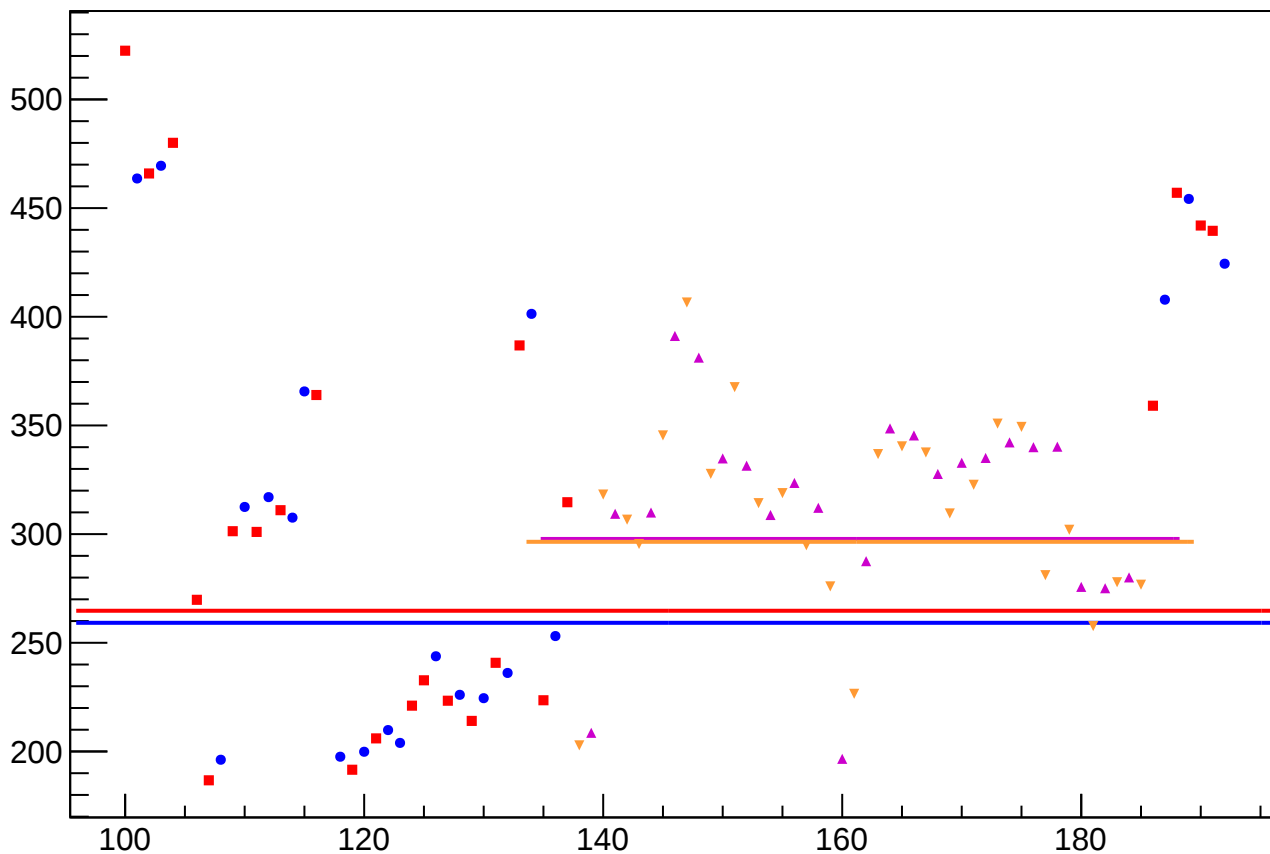
- sign 194.407 ± 0.028 χ^2/NDF : 3384549.4/45

yield_bpm0r03WS_mean vs Slug



Right In: 140170.839 $\pm$ 0.096 χ^2 /NDF: 1405037986.4/19
 Left Out: 138646.366 $\pm$ 0.071 χ^2 /NDF: 2548637600.4/24
 Right Out: 139934.940 $\pm$ 0.095 χ^2 /NDF: 1480947221.7/22
 Left In: 138588.711 $\pm$ 0.074 χ^2 /NDF: 1948065195.1/22
 + sign 139181.699 $\pm$ 0.057 χ^2 /NDF: 4116253043.3
 All: 139140.195 $\pm$ 0.041 χ^2 /NDF: 767249000
 - sign 139097.165 $\pm$ 0.058 χ^2 /NDF: 3555159756.5

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: 264.739 $\pm$ 0.067 χ^2 /NDF: 1608504.5/22

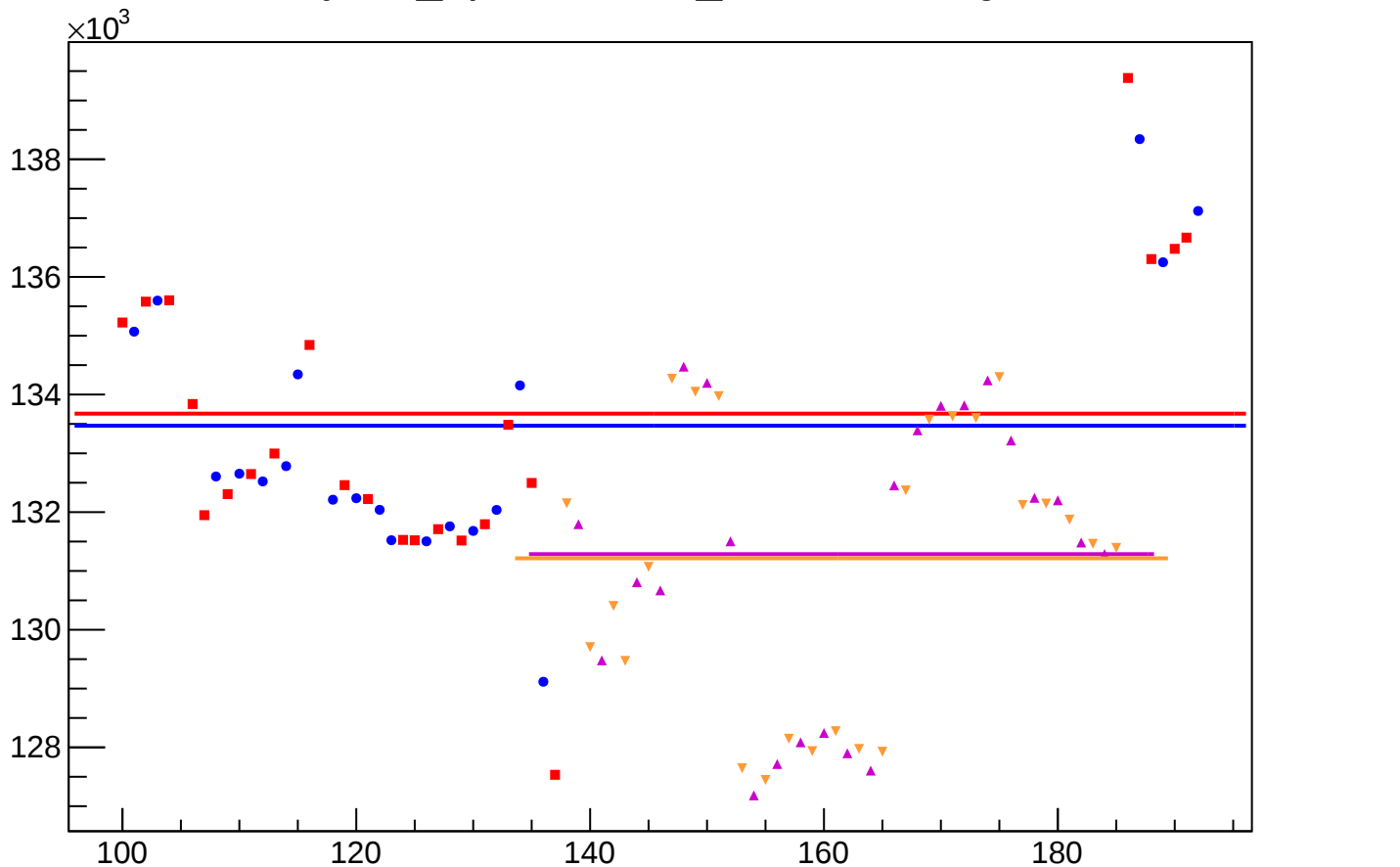
Left In: 297.774 $\pm$ 0.052 χ^2 /NDF:1061489.5/22

+ sign 283.376 $\pm$ 0.040 χ^2 /NDF: 2481409.3/44

All: 284.319 $\pm$ 0.029 χ^2 /NDF: 5304441.0/90

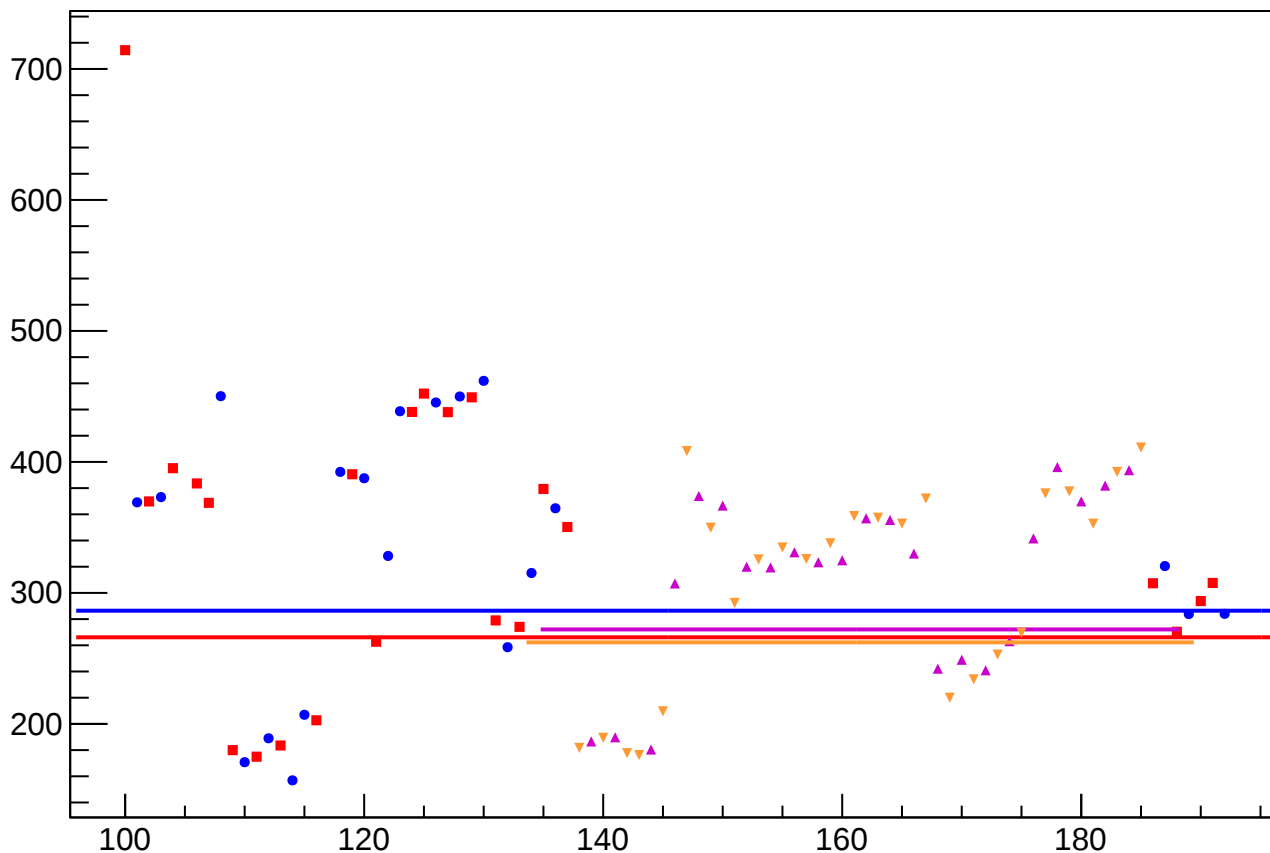
- sign 285.297 $\pm$ 0.041 χ^2 /NDF: 2821919.2/45

yield_bpm0r05WS_mean vs Slug



Right In: 133469.017 $\pm$ 0.106 χ^2 /NDF: 448681047.0/19
 Left Out: 131214.985 $\pm$ 0.064 χ^2 /NDF: 1173424494.6/24
 Right Out: 133674.794 $\pm$ 0.095 χ^2 /NDF: 477420696.7/22
 Left In: 131285.623 $\pm$ 0.068 χ^2 /NDF: 1056232192.1/22
 + sign 131818.535 $\pm$ 0.055 χ^2 /NDF: 1950984534.1
 All: 131955.394 $\pm$ 0.039 χ^2 /NDF: 391118818
 - sign 132094.919 $\pm$ 0.056 χ^2 /NDF: 1947715387.2

yield_bpm0r05WS_rms vs Slug



Right In: 286.415 $\pm$ 0.075 χ^2 /NDF: 1517502.8/19

Left Out: 262.260 $\pm$ 0.045 χ^2 /NDF: 2818169.1/24

Right Out: 266.123 $\pm$ 0.068 χ^2 /NDF: 1647865.9/22

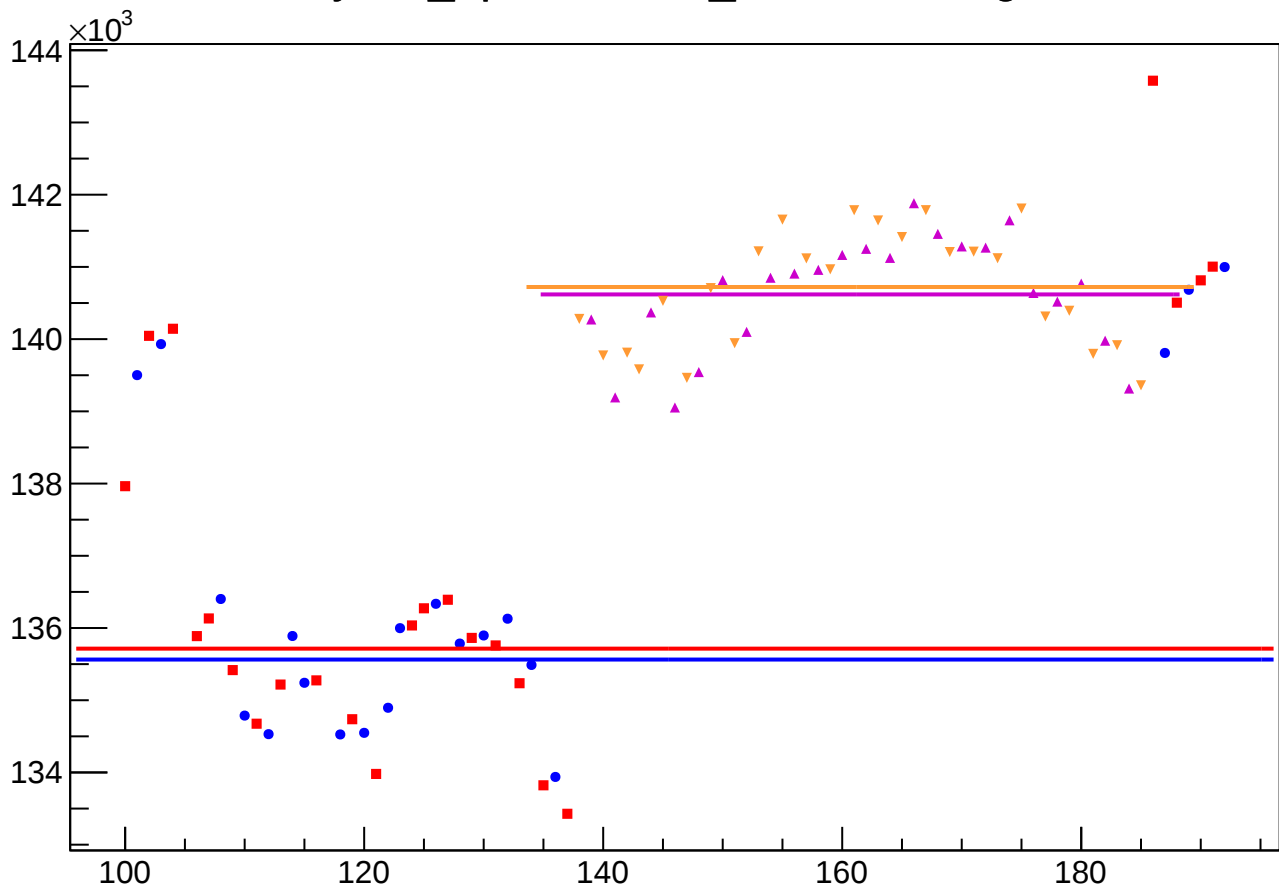
Left In: 272.115 $\pm$ 0.048 χ^2 /NDF: 2221925.0/22

+ sign 268.728 $\pm$ 0.039 χ^2 /NDF: 4411211.8/44

All: 269.400 $\pm$ 0.028 χ^2 /NDF: 8286814.3/90

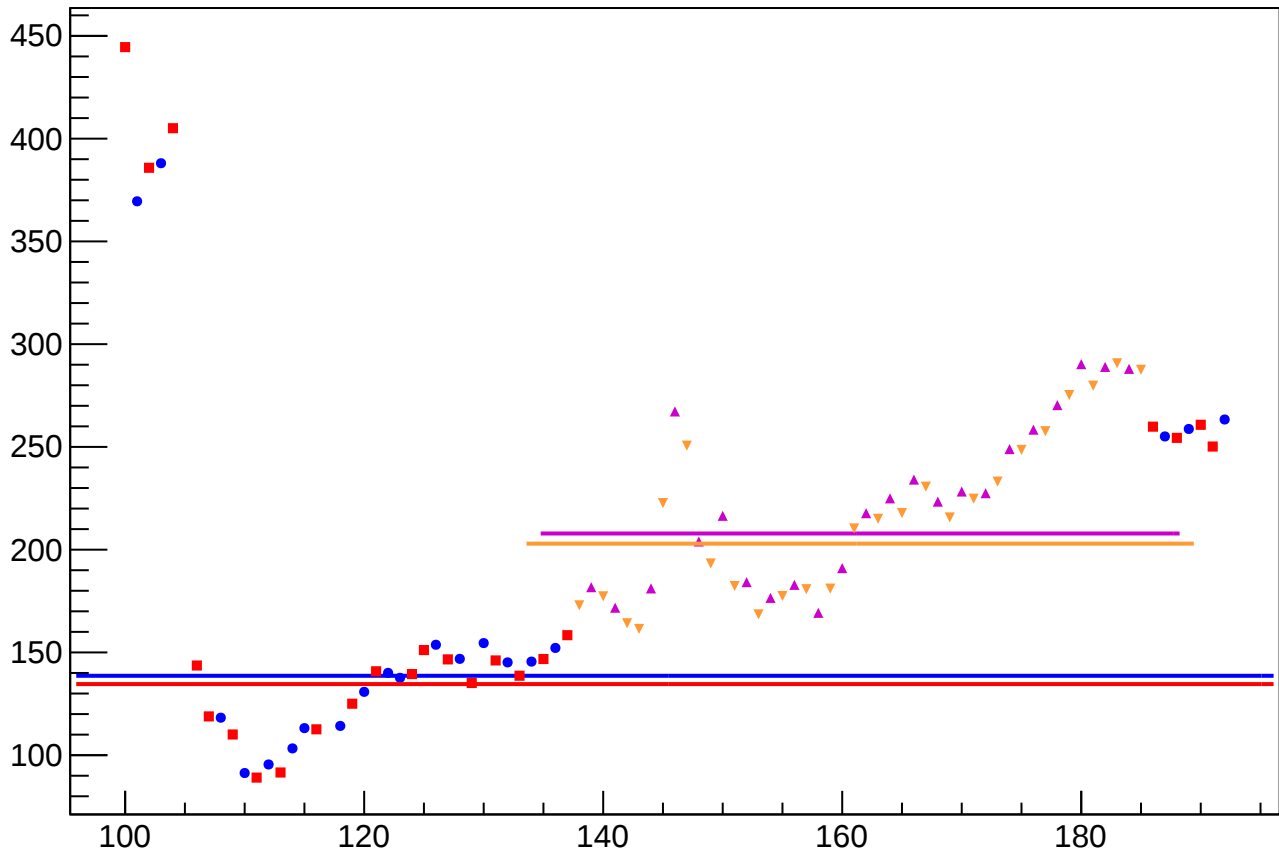
- sign 270.085 $\pm$ 0.039 χ^2 /NDF: 3875000.2/45

yield_bpm0i02WS_mean vs Slug



Right In: 135563.411 $\pm$ 0.053 χ^2 /NDF: 1026089884.4/19
 Left Out: 140721.823 $\pm$ 0.048 χ^2 /NDF: 247257762.8/24
 Right Out: 135714.471 $\pm$ 0.049 χ^2 /NDF: 1326593190.9/22
 Left In: 140619.038 $\pm$ 0.051 χ^2 /NDF: 200370178.0/22
 + sign 138361.459 $\pm$ 0.036 χ^2 /NDF: 6469557820.0
 All: 138221.360 $\pm$ 0.025 χ^2 /NDF: 127943479
 - sign 138082.473 $\pm$ 0.035 χ^2 /NDF: 6294038444.6

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: 134.597 $\pm$ 0.035 χ^2 /NDF: 2332981.2/22

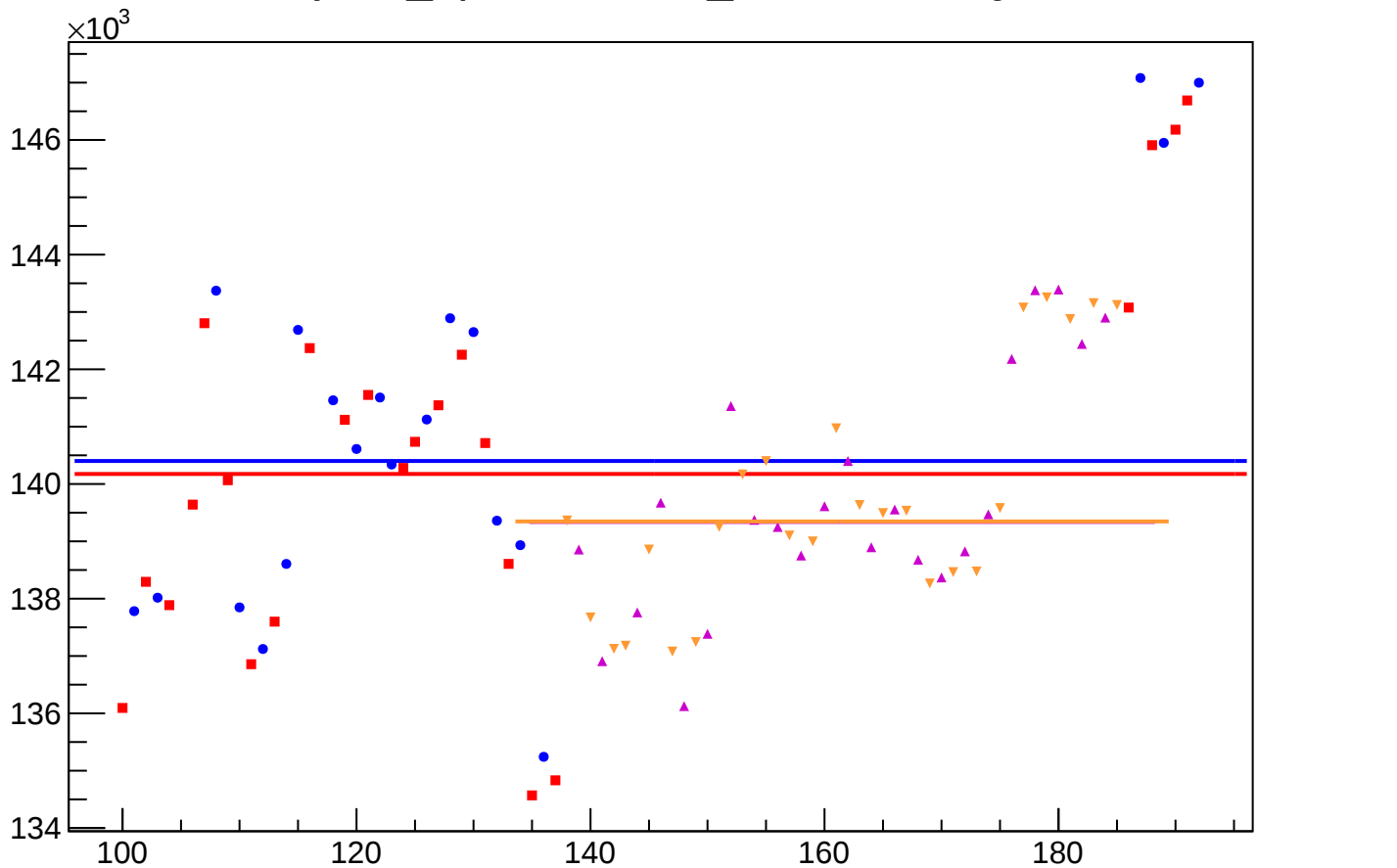
Left In: 207.872 $\pm$ 0.036 χ^2 /NDF: 949200.3/22

+ sign 173.512 $\pm$ 0.025 χ^2 /NDF: 4759179.0/44

All: 171.736 $\pm$ 0.018 χ^2 /NDF: 10179311.5/90

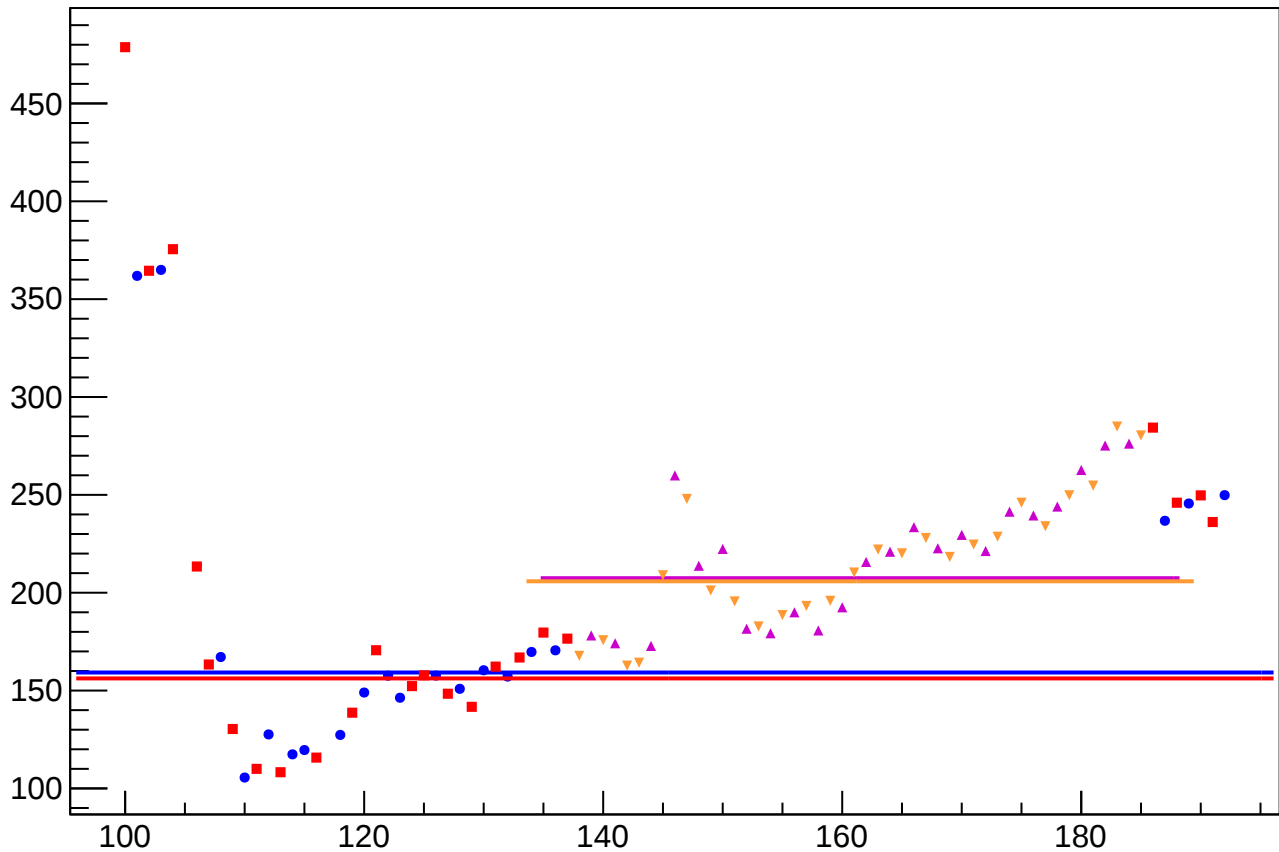
- sign 169.975 $\pm$ 0.025 χ^2 /NDF: 5410249.6/45

yield_bpm0i02aWS_mean vs Slug



Right In: 140401.112 $\pm$ 0.059	χ^2 /NDF: 2753363209.6/19	+ sign 139774.369 $\pm$ 0.038	χ^2 /NDF: 4212676034.4
Left Out: 139346.604 $\pm$ 0.049	χ^2 /NDF: 1271172976.7/24	All: 139744.182 $\pm$ 0.027	χ^2 /NDF: 812501469
Right Out: 140174.847 $\pm$ 0.056	χ^2 /NDF: 2496242360.1/22	- sign 139714.038 $\pm$ 0.038	χ^2 /NDF: 3911060620.2/
Left In: 139337.874 $\pm$ 0.051	χ^2 /NDF: 1293003954.9/22		

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: 156.207 $\pm$ 0.040 χ^2 /NDF: 1794476.7/22

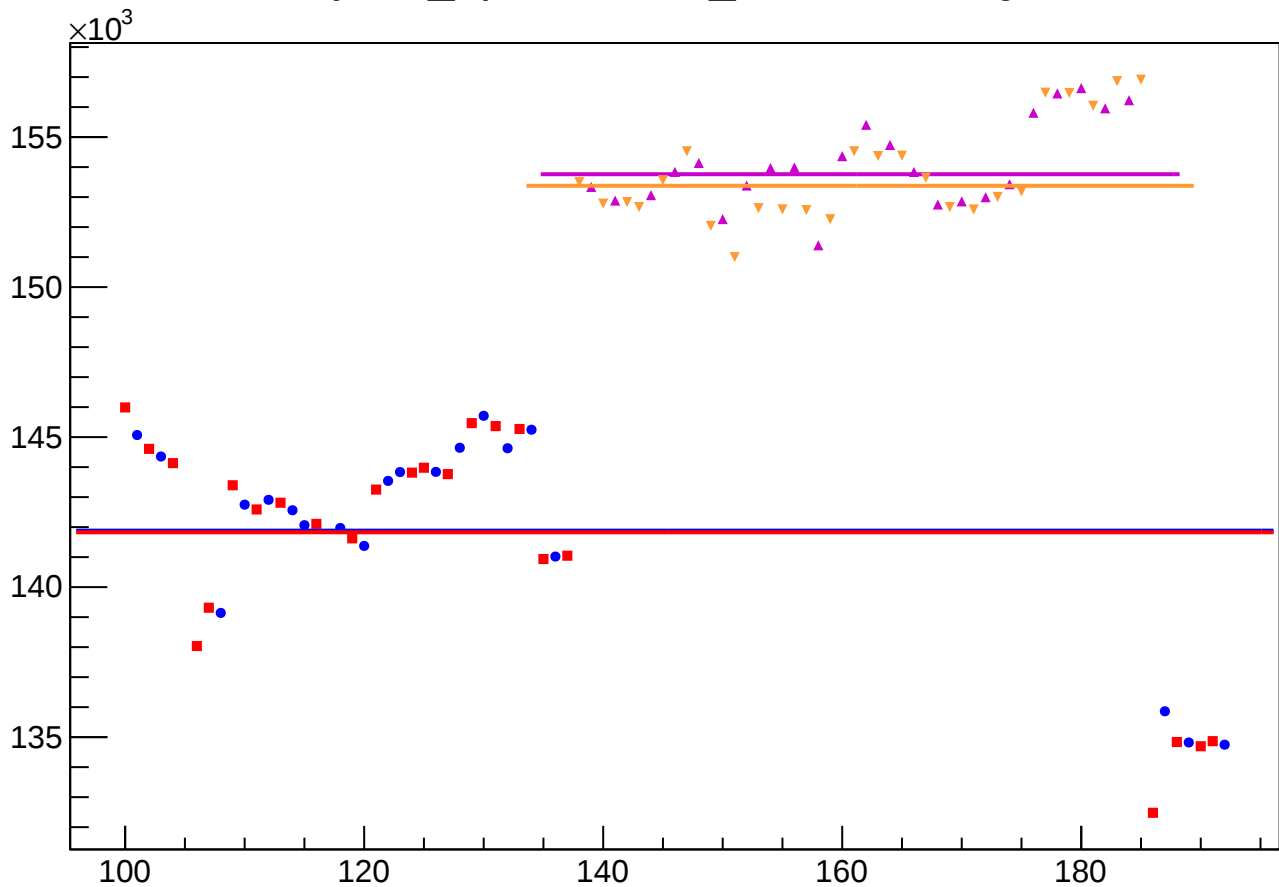
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 186.927 $\pm$ 0.027 χ^2 /NDF: 2947973.9/44

All: 185.663 $\pm$ 0.019 χ^2 /NDF: 6360913.6/90

- sign 184.401 $\pm$ 0.027 χ^2 /NDF: 3408457.5/45

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: 141827.714 $\pm$ 0.057 χ^2 /NDF: 3240974651.4/22

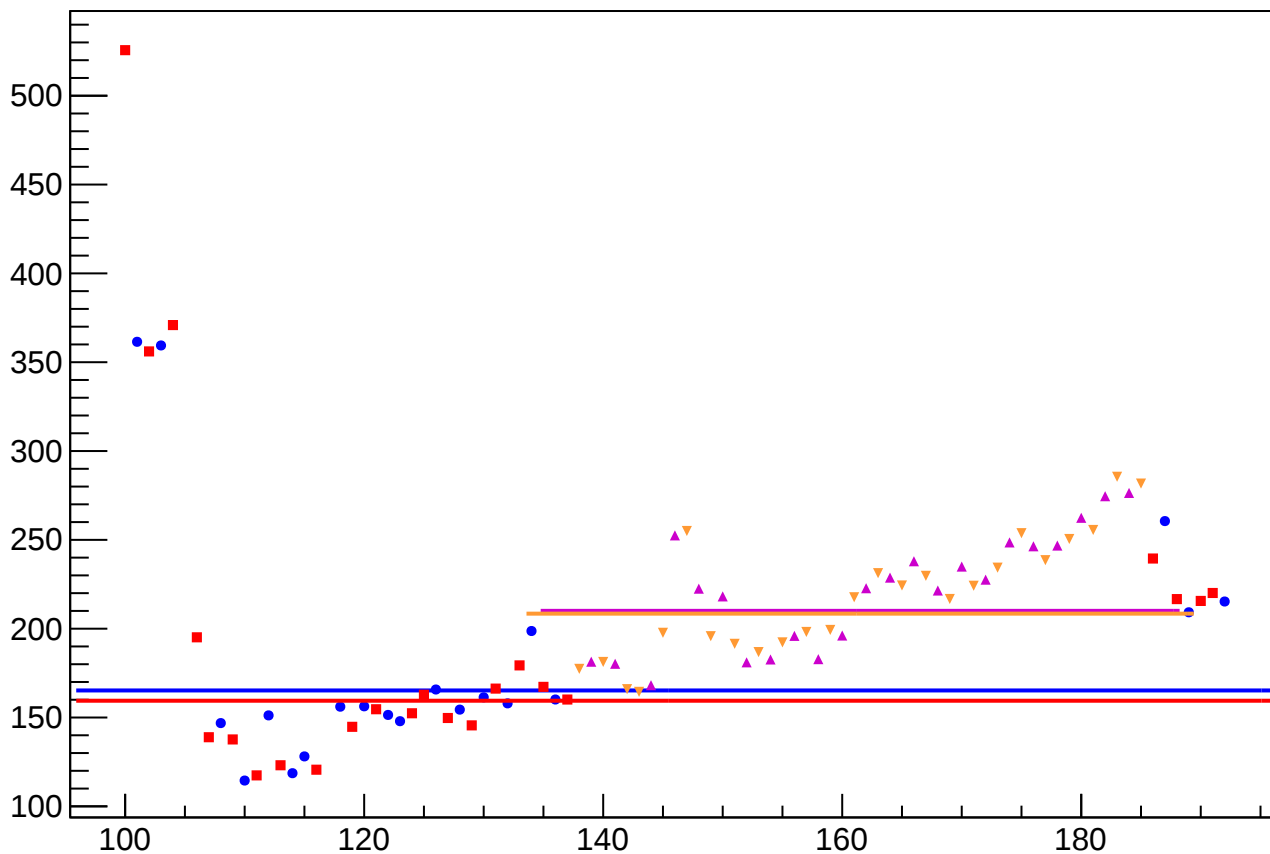
Left In: 153762.419 $\pm$ 0.051 χ^2 /NDF: 635075685.0/22

+ sign 148786.913 $\pm$ 0.038 χ^2 /NDF: 24878794773.4

All: 148575.515 $\pm$ 0.027 χ^2 /NDF: 531417753.4

- sign 148367.506 $\pm$ 0.038 χ^2 /NDF: 28202827763.4

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: 159.451 $\pm$ 0.040 χ^2 /NDF: 1329877.7/22

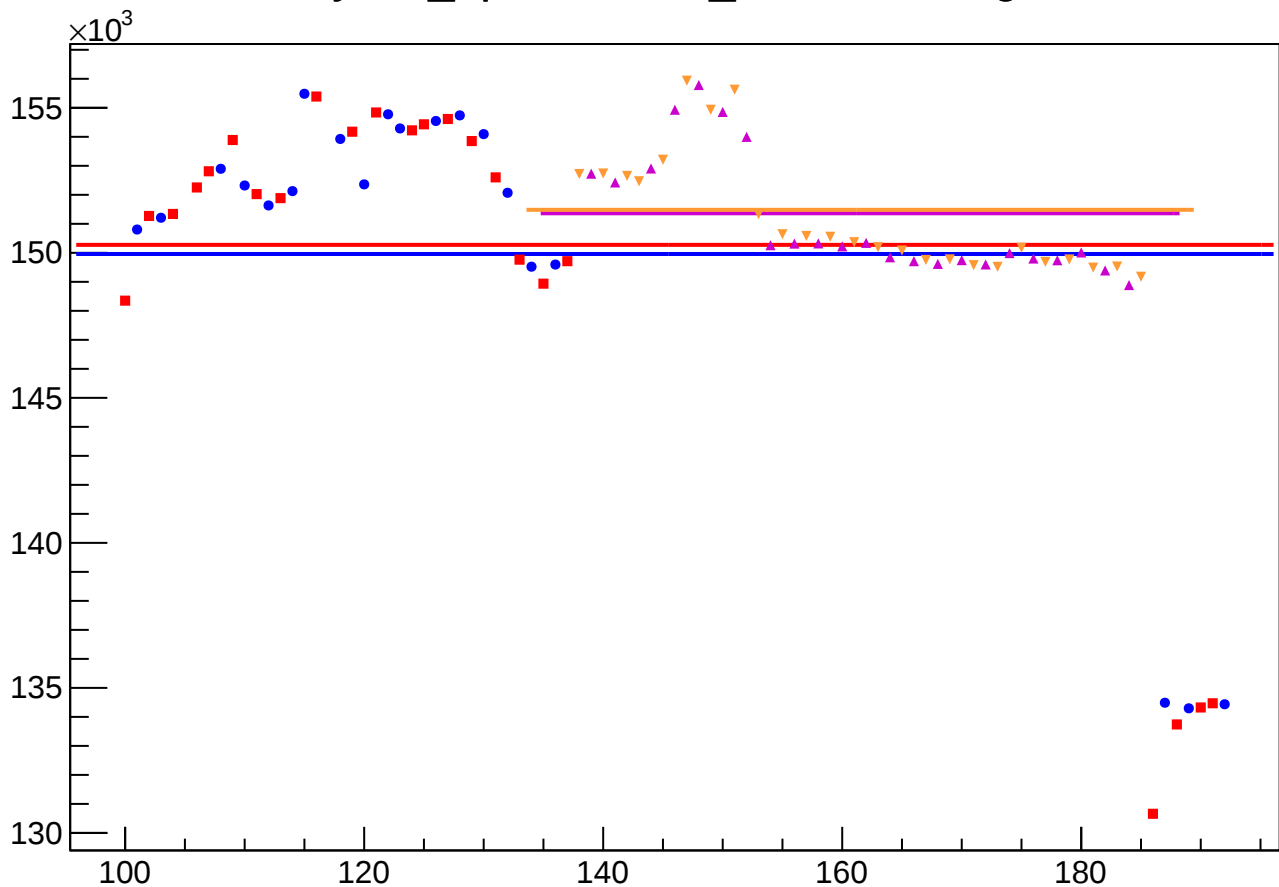
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 191.202 $\pm$ 0.027 χ^2 /NDF: 2416239.1/44

All: 189.170 $\pm$ 0.019 χ^2 /NDF: 5333719.1/90

- sign 187.171 $\pm$ 0.027 χ^2 /NDF: 2906362.5/45

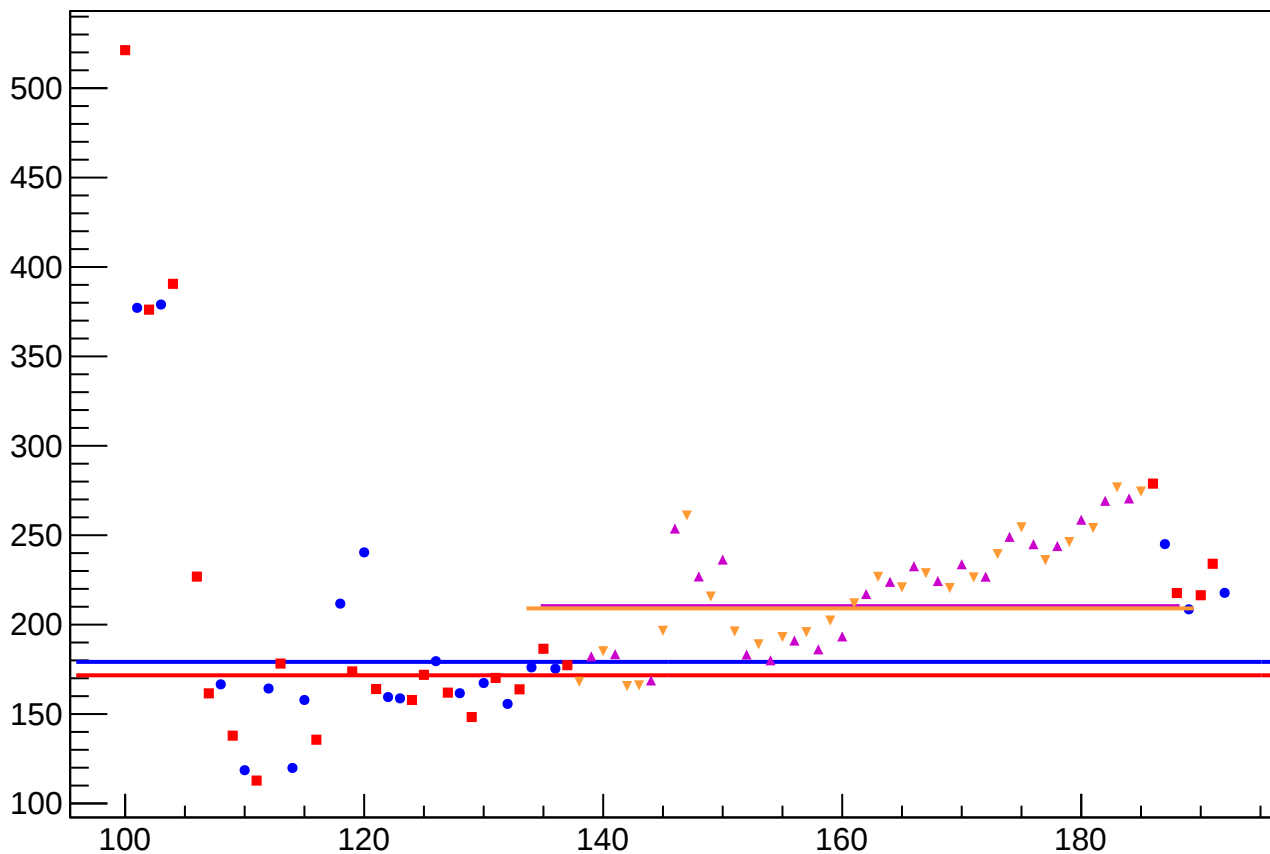
yield_bpm0i07WS_mean vs Slug



Right In: 149959.670 $\pm$ 0.067 χ^2 /NDF: 9838992169.2/19
 Left Out: 151483.385 $\pm$ 0.050 χ^2 /NDF: 1481910066.9/24
 Right Out: 150274.921 $\pm$ 0.062 χ^2 /NDF: 12180148757.4/22
 Left In: 151363.165 $\pm$ 0.051 χ^2 /NDF: 1421662089.0/22

+ sign 150943.147 $\pm$ 0.040 χ^2 /NDF: 11656551029.
 All: 150929.897 $\pm$ 0.028 χ^2 /NDF: 254424143
 - sign 150916.852 $\pm$ 0.039 χ^2 /NDF: 13785643217.2

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: 171.672 $\pm$ 0.044 χ^2 /NDF: 1322447.8/22

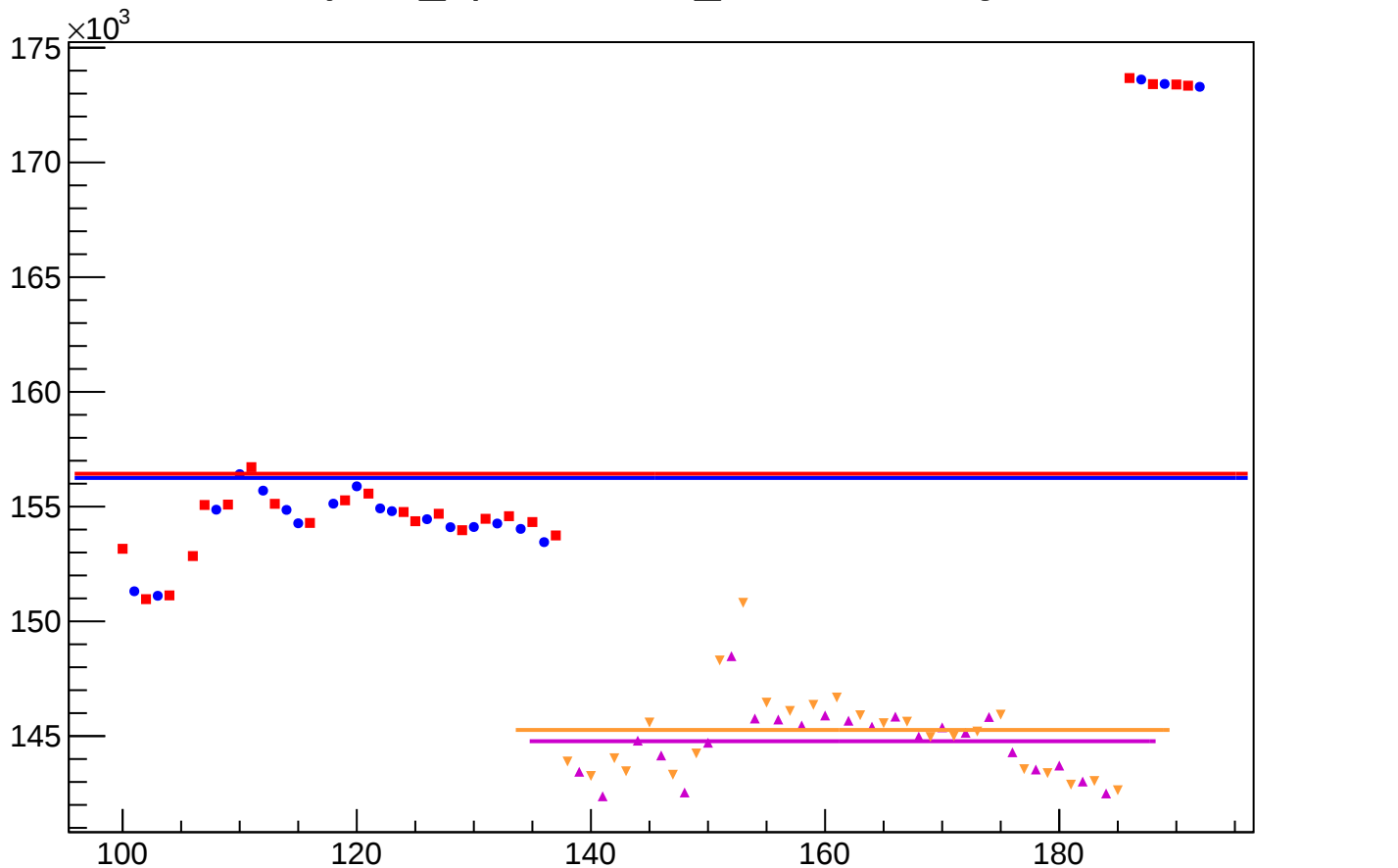
Left In: 210.345 $\pm$ 0.036 χ^2 /NDF: 677747.7/22

+ sign 198.473 $\pm$ 0.028 χ^2 /NDF: 2024773.9/44

All: 196.463 $\pm$ 0.020 χ^2 /NDF: 4499399.5/90

- sign 194.484 $\pm$ 0.028 χ^2 /NDF: 2464498.7/45

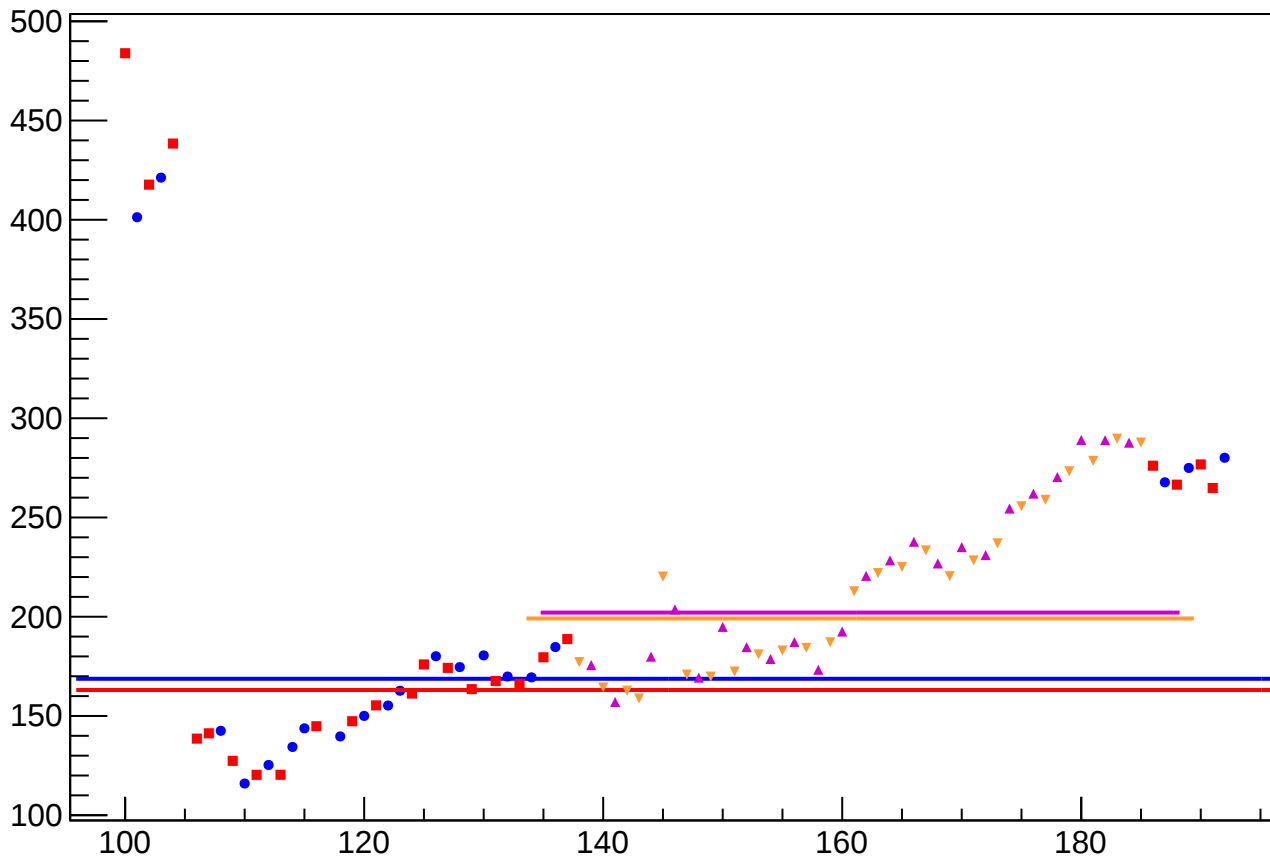
yield_bpm1i02WS_mean vs Slug



Right In: 156249.468 ± 0.063 $\chi^2/\text{NDF}: 6614599531.0/19$
 Left Out: 145266.717 ± 0.047 $\chi^2/\text{NDF}: 1717707352.7/24$
 Right Out: 156432.984 ± 0.058 $\chi^2/\text{NDF}: 8383845897.8/22$
 Left In: 144776.016 ± 0.050 $\chi^2/\text{NDF}: 918120275.4/22$

+ sign 149248.733 ± 0.038 $\chi^2/\text{NDF}: 27802621495.0/22$
 All: 149462.446 ± 0.027 $\chi^2/\text{NDF}: 604187098.0/22$
 - sign 149674.991 ± 0.038 $\chi^2/\text{NDF}: 32552462799.9/22$

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: 163.077 $\pm$ 0.041 χ^2 /NDF: 1809272.6/22

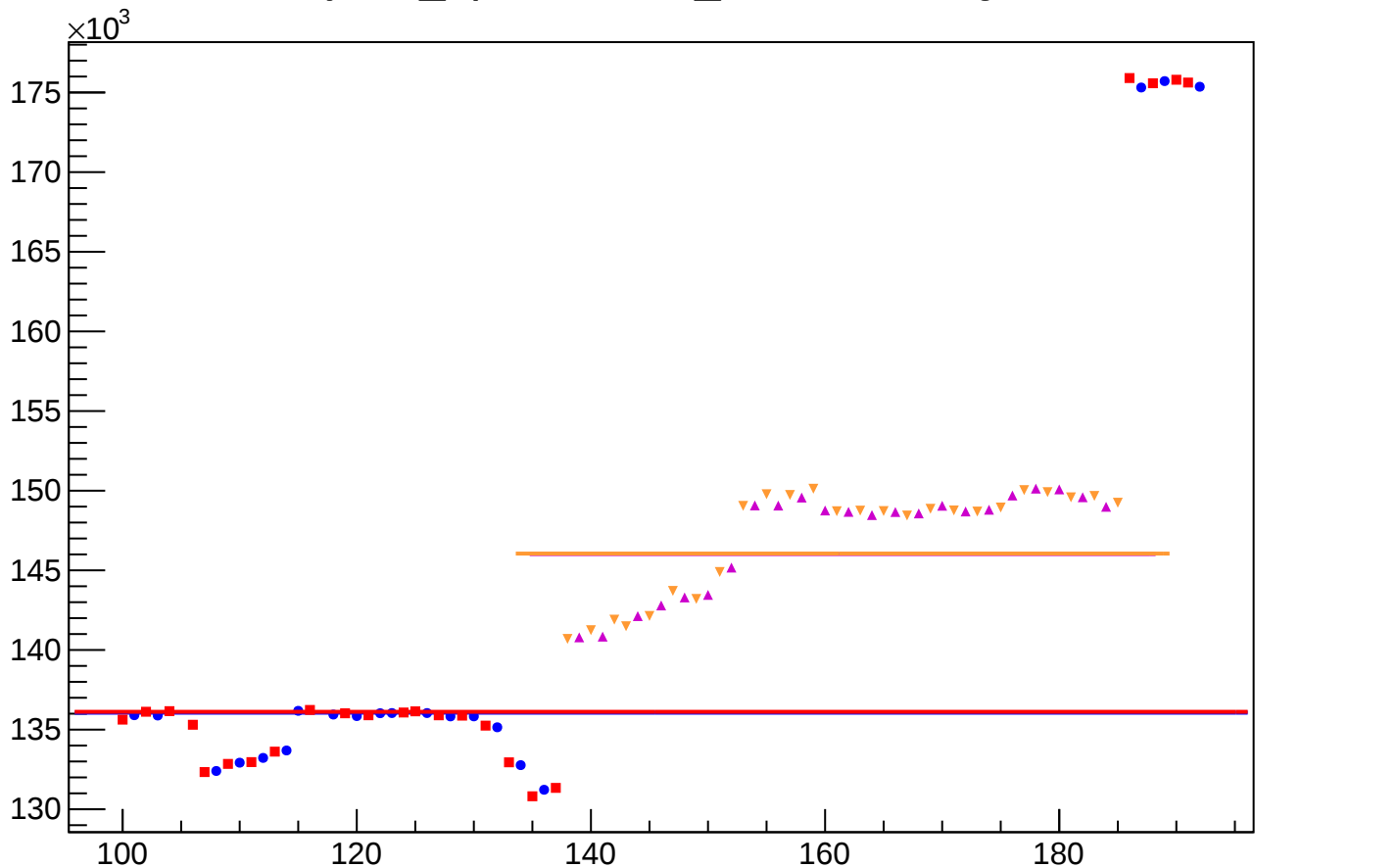
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 188.102 $\pm$ 0.027 χ^2 /NDF: 3091830.9/44

All: 186.895 $\pm$ 0.019 χ^2 /NDF: 6483861.4/90

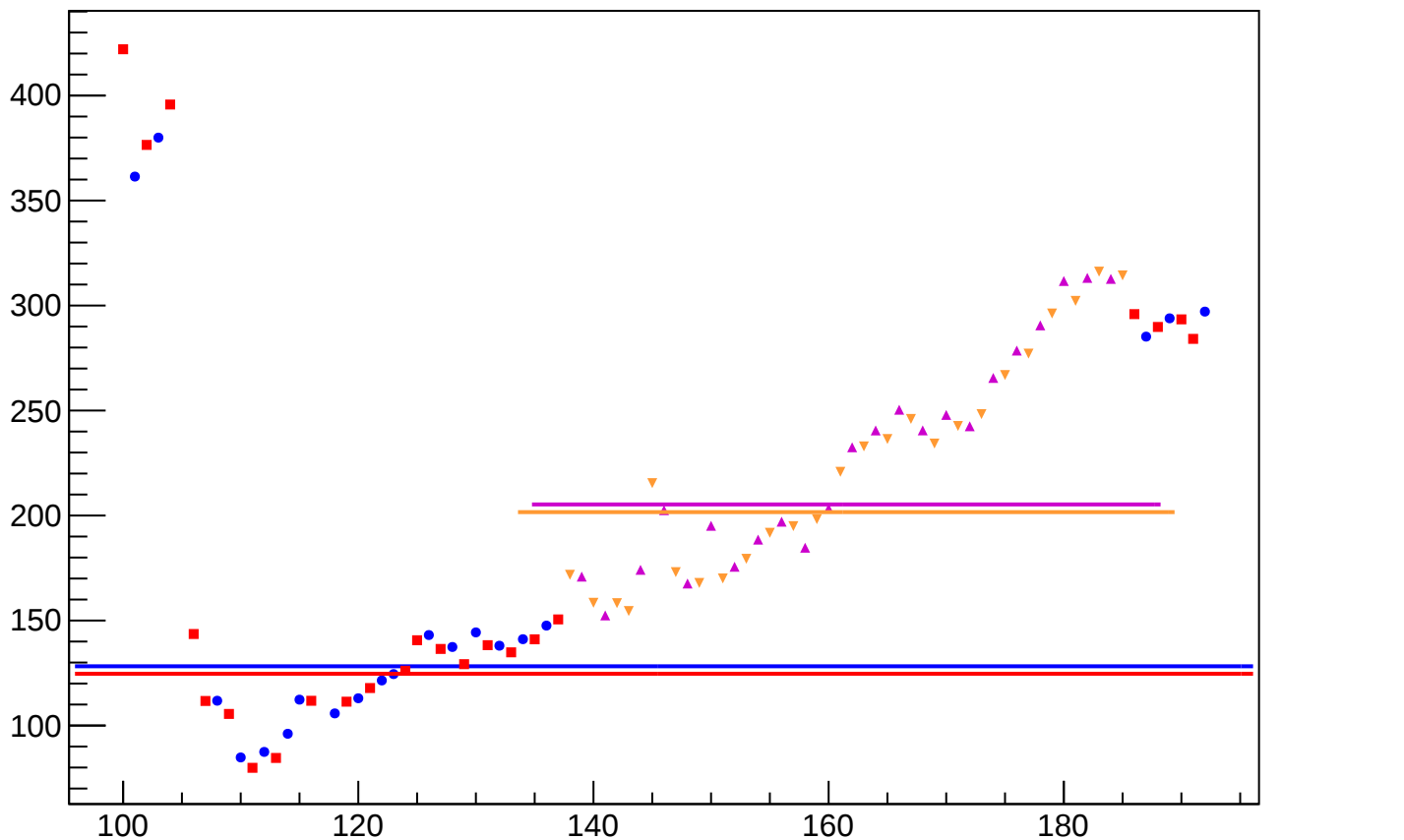
- sign 185.694 $\pm$ 0.027 χ^2 /NDF: 3387970.9/45

yield_bpm1i04WS_mean vs Slug



Right In: 136062.394 $\pm$ 0.049	χ^2 /NDF: 29763326092.7/19	+ sign 141159.490 $\pm$ 0.035	χ^2 /NDF: 56111357375.
Left Out: 146051.733 $\pm$ 0.048	χ^2 /NDF: 5403300123.1/24	All: 140888.676 $\pm$ 0.024	χ^2 /NDF: 118981388
Right Out: 136119.099 $\pm$ 0.046	χ^2 /NDF: 37330438130.6/22	- sign 140623.185 $\pm$ 0.034	χ^2 /NDF: 62748040307.2
Left In: 146020.015 $\pm$ 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: 124.661 $\pm$ 0.033 χ^2/NDF : 2810352.5/22

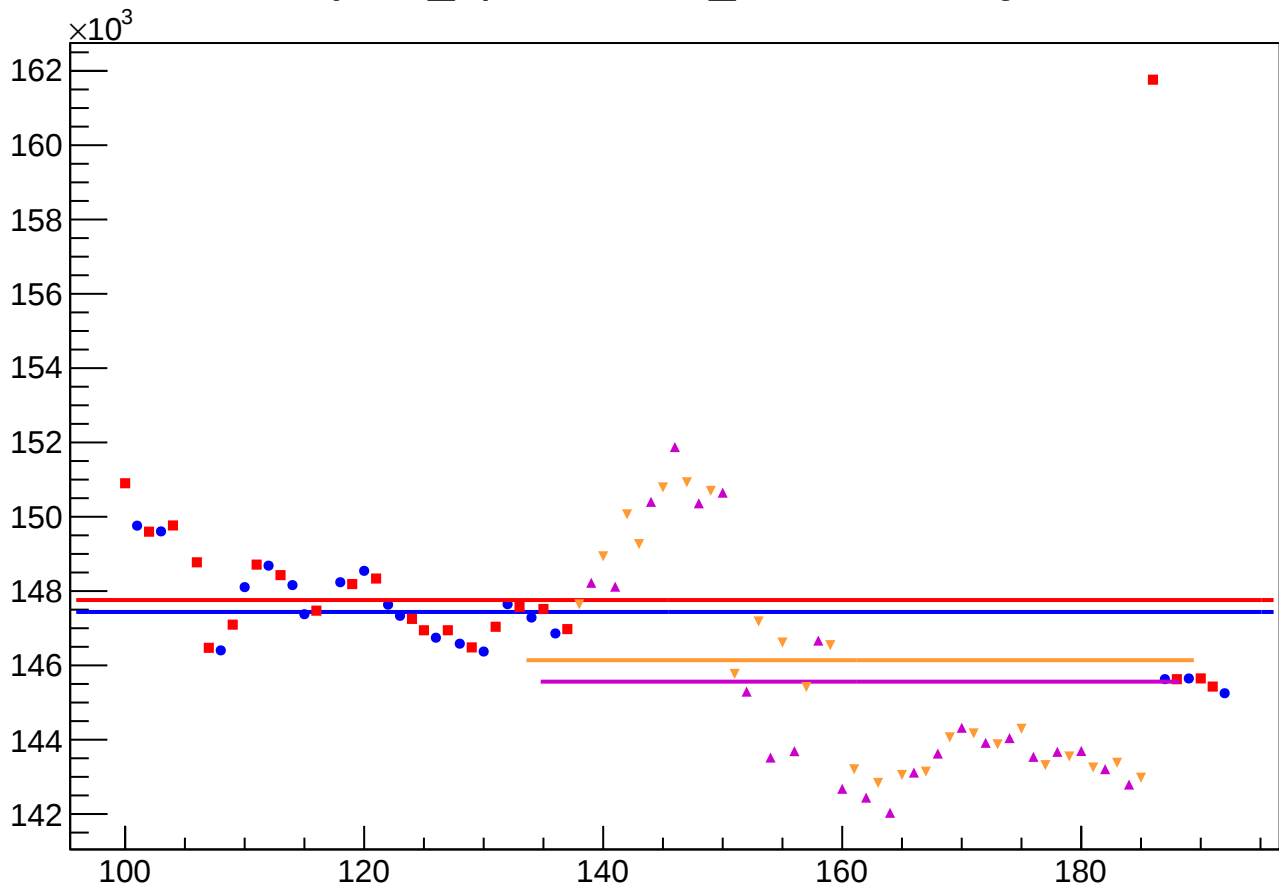
Left In: 205.286 $\pm$ 0.036 χ^2/NDF : 1425292.7/22

+ sign 165.677 $\pm$ 0.024 χ^2/NDF : 6341272.6/44

All: 163.487 $\pm$ 0.017 χ^2/NDF : 13354927.9/90

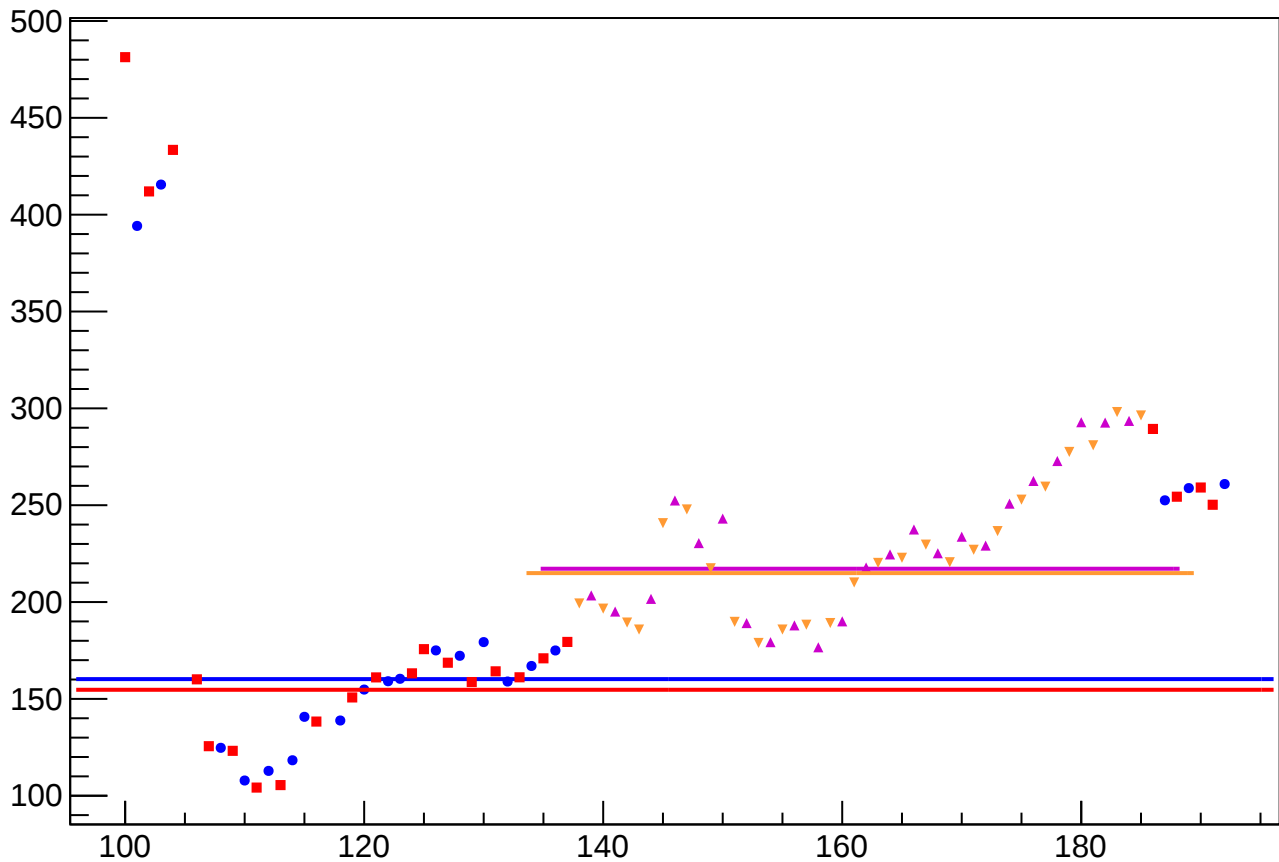
- sign 161.339 $\pm$ 0.024 χ^2/NDF : 6997687.2/45

yield_bpm1i06WS_mean vs Slug



Right In: 147437.686 $\pm$ 0.060	χ^2 /NDF: 301004541.0/19	+ sign 146683.108 $\pm$ 0.039	χ^2 /NDF: 3273003808.9
Left Out: 146139.326 $\pm$ 0.051	χ^2 /NDF: 2699546907.6/24	All: 146643.827 $\pm$ 0.027	χ^2 /NDF: 834185700
Right Out: 147758.488 $\pm$ 0.056	χ^2 /NDF: 1198938749.9/22	- sign 146605.256 $\pm$ 0.038	χ^2 /NDF: 5066822665.6
Left In: 145562.386 $\pm$ 0.053	χ^2 /NDF: 3054641996.0/22		

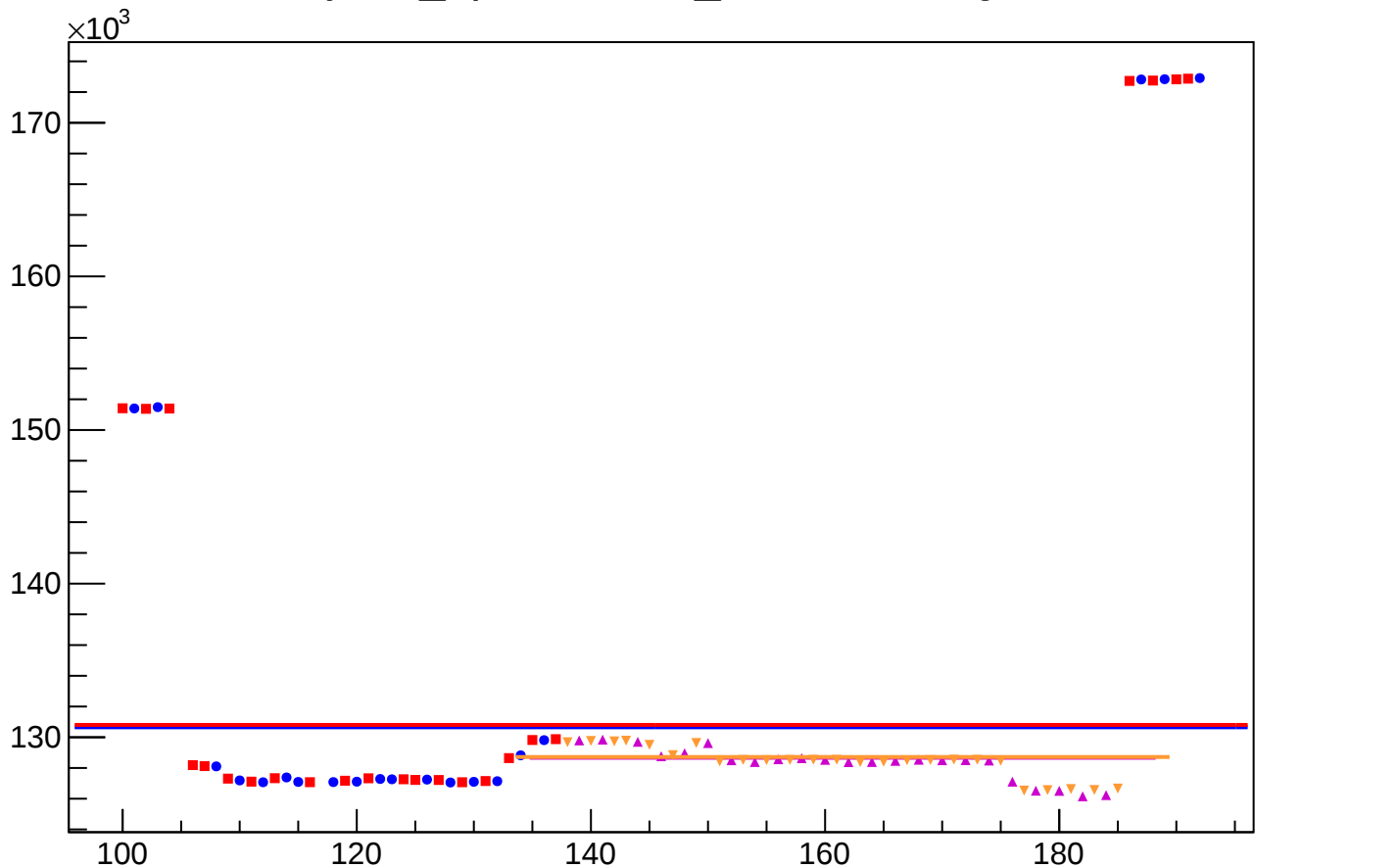
yield_bpm1i06WS_rms vs Slug



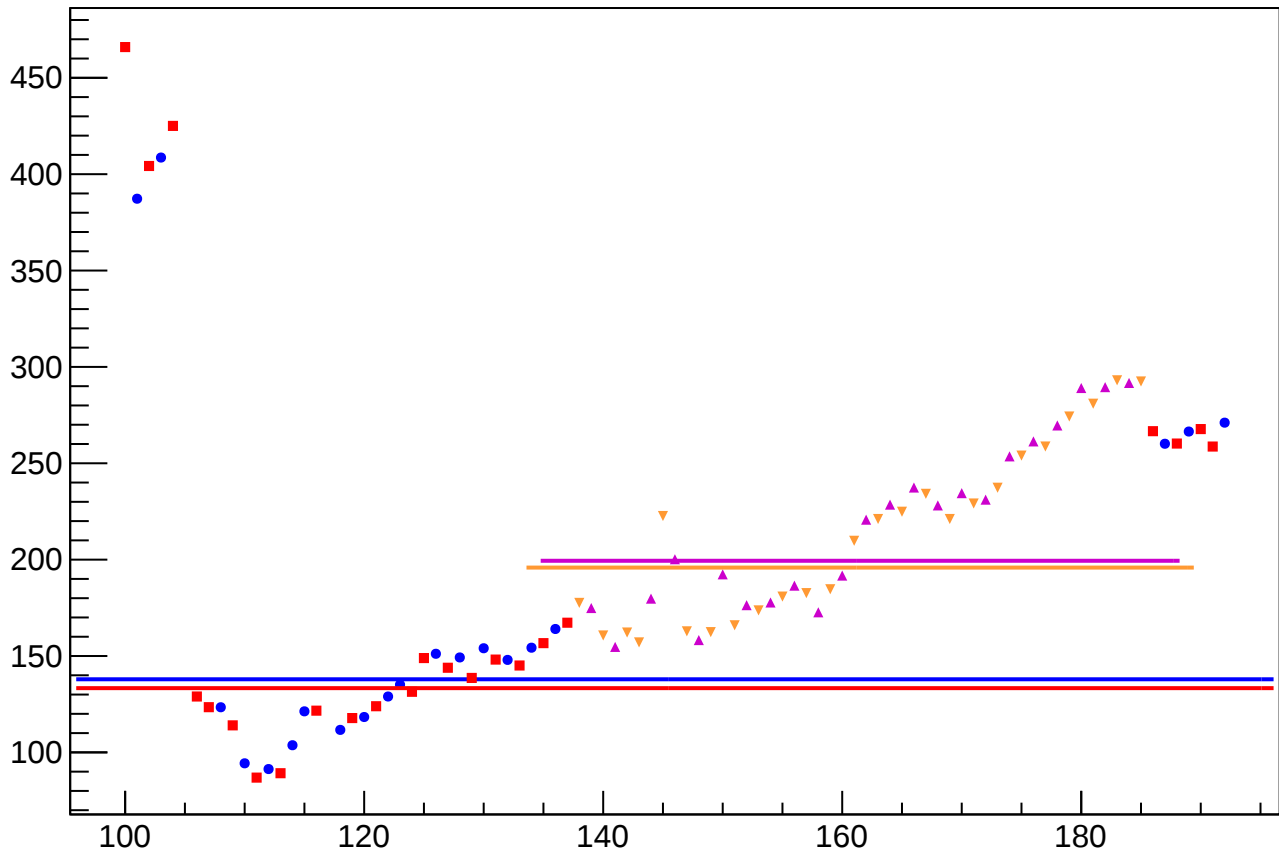
Right In: 160.216 ± 0.042 χ^2/NDF : 1748491.1/19
 Left Out: 214.945 ± 0.036 χ^2/NDF : 728515.5/24
 Right Out: 154.705 ± 0.039 χ^2/NDF : 2048681.0/22
 Left In: 217.203 ± 0.038 χ^2/NDF : 764798.3/22

+ sign 192.023 ± 0.027 χ^2/NDF : 3445203.2/44
 All: 189.753 ± 0.019 χ^2/NDF : 7589552.5/90
 - sign 187.524 ± 0.027 χ^2/NDF : 4130787.4/45

yield_bpm2i01WS_mean vs Slug



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: 133.326 $\pm$ 0.034 χ^2 /NDF: 2489779.1/22

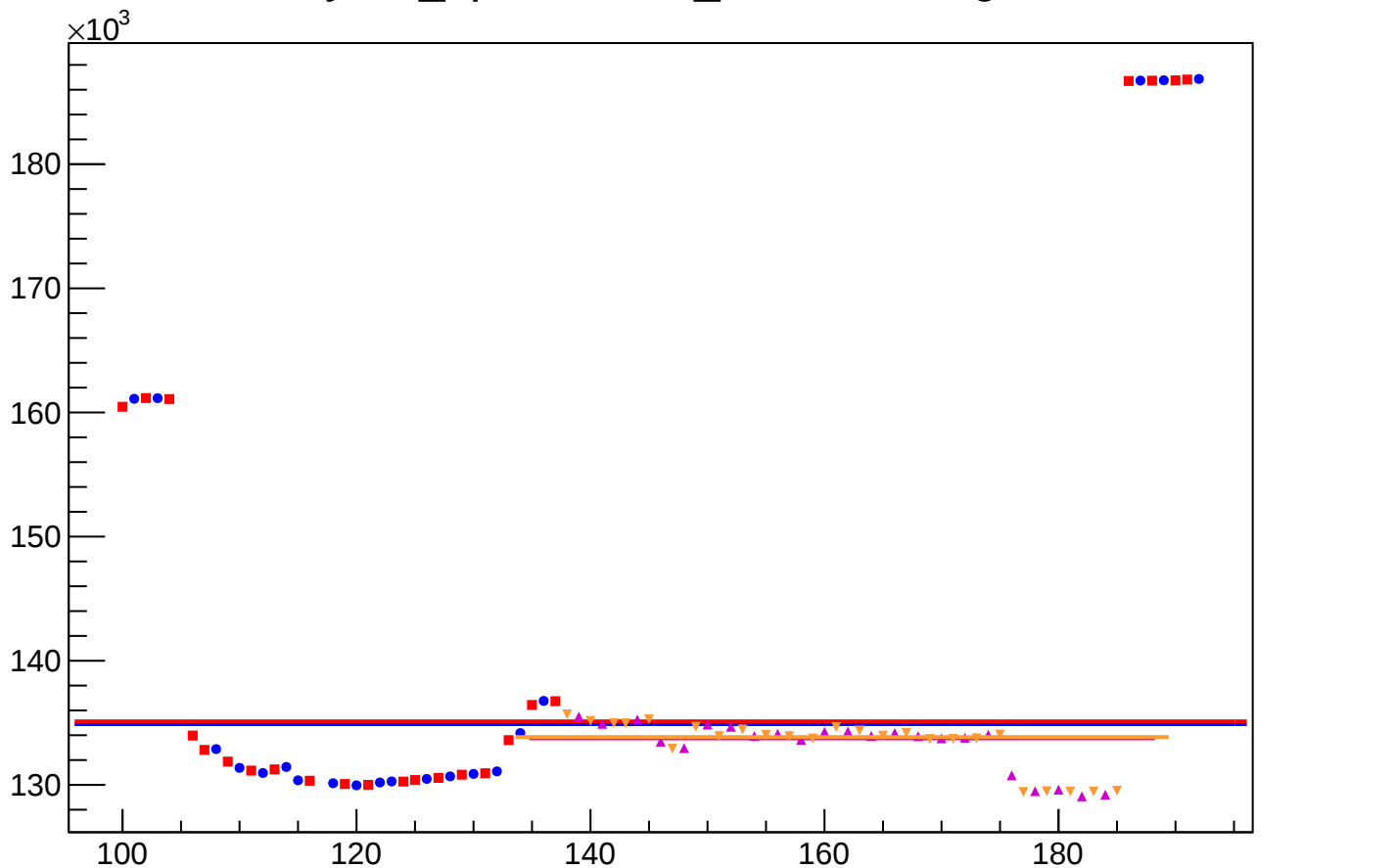
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 170.336 $\pm$ 0.025 χ^2 /NDF: 4925627.6/44

All: 168.250 $\pm$ 0.017 χ^2 /NDF: 10423817.3/90

- sign 166.207 $\pm$ 0.024 χ^2 /NDF: 5484063.2/45

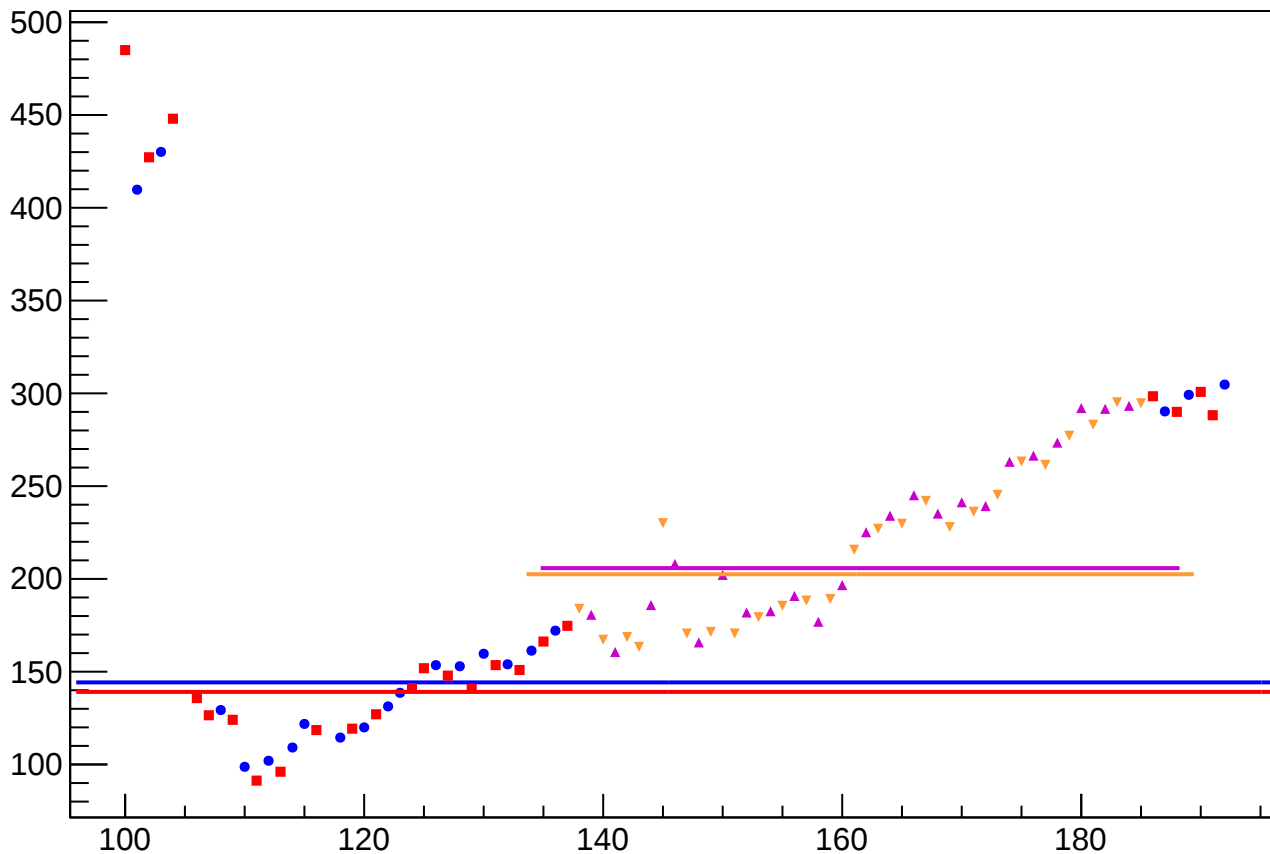
yield_bpm2i02WS_mean vs Slug



Right In: 134897.178+/-0.055 χ^2/NDF : 54670394578.7/19
 Left Out: 133850.586+/-0.048 χ^2/NDF : 1080107831.1/24
 Right Out: 135116.674+/-0.051 χ^2/NDF : 66893462431.8/22
 Left In: 133749.630+/-0.051 χ^2/NDF : 954069486.7/22

+ sign 134304.139+/-0.036 χ^2/NDF : 55954645815.
 All: 134365.787+/-0.026 χ^2/NDF : 124170295
 - sign 134426.099+/-0.036 χ^2/NDF : 68209943362.7

yield_bpm2i02WS_rms vs Slug



Right In: 144.229 +/- 0.039 χ^2/NDF : 2322189.1/19

Left Out: 202.527 +/- 0.034 χ^2/NDF : 1211991.5/24

Right Out: 139.109 +/- 0.036 χ^2/NDF : 2588752.2/22

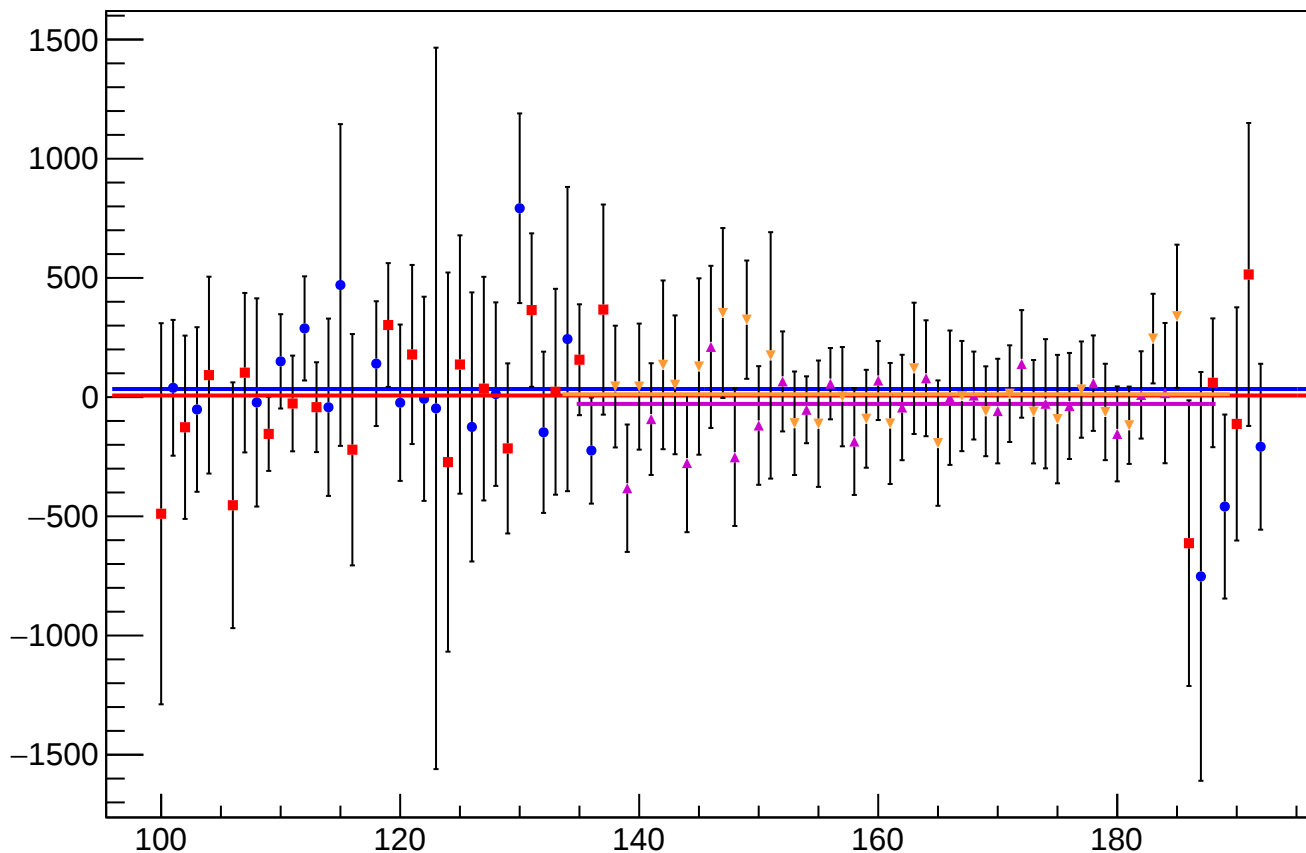
Left In: 205.808 +/- 0.036 χ^2/NDF : 1094330.7/22

+ sign 177.263 +/- 0.026 χ^2/NDF : 4801011.8/44

All: 175.008 +/- 0.018 χ^2/NDF : 10224820.4/90

- sign 172.803 +/- 0.025 χ^2/NDF : 5408542.1/45

asym_bcm_an_ds_mean vs Slug



Right In: 33.989 ± 75.458 χ^2/NDF : 10.9/19

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 6.880 ± 66.407 χ^2/NDF : 9.0/22

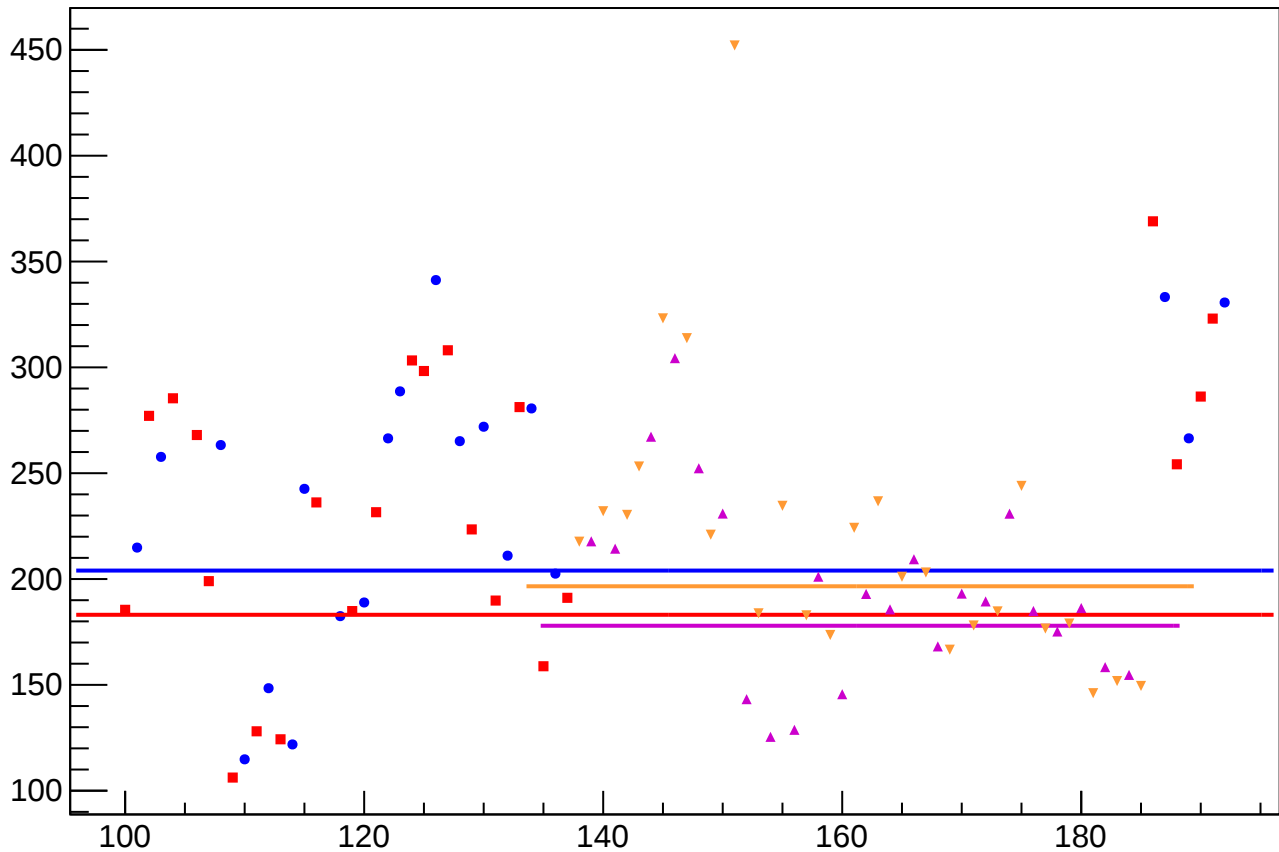
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign 18.375 ± 40.217 χ^2/NDF : 19.5/44

All: -0.985 ± 27.259 χ^2/NDF : 35.8/90

- sign -17.439 ± 37.075 χ^2/NDF : 15.9/45

asym_bcm_an_ds_rms vs Slug



Right In: 204.000 $\pm$ 0.053 χ^2 /NDF: 1414718.0/19

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF:1778719.0/24

Right Out: 183.111 $\pm$ 0.047 χ^2 /NDF: 2141994.2/22

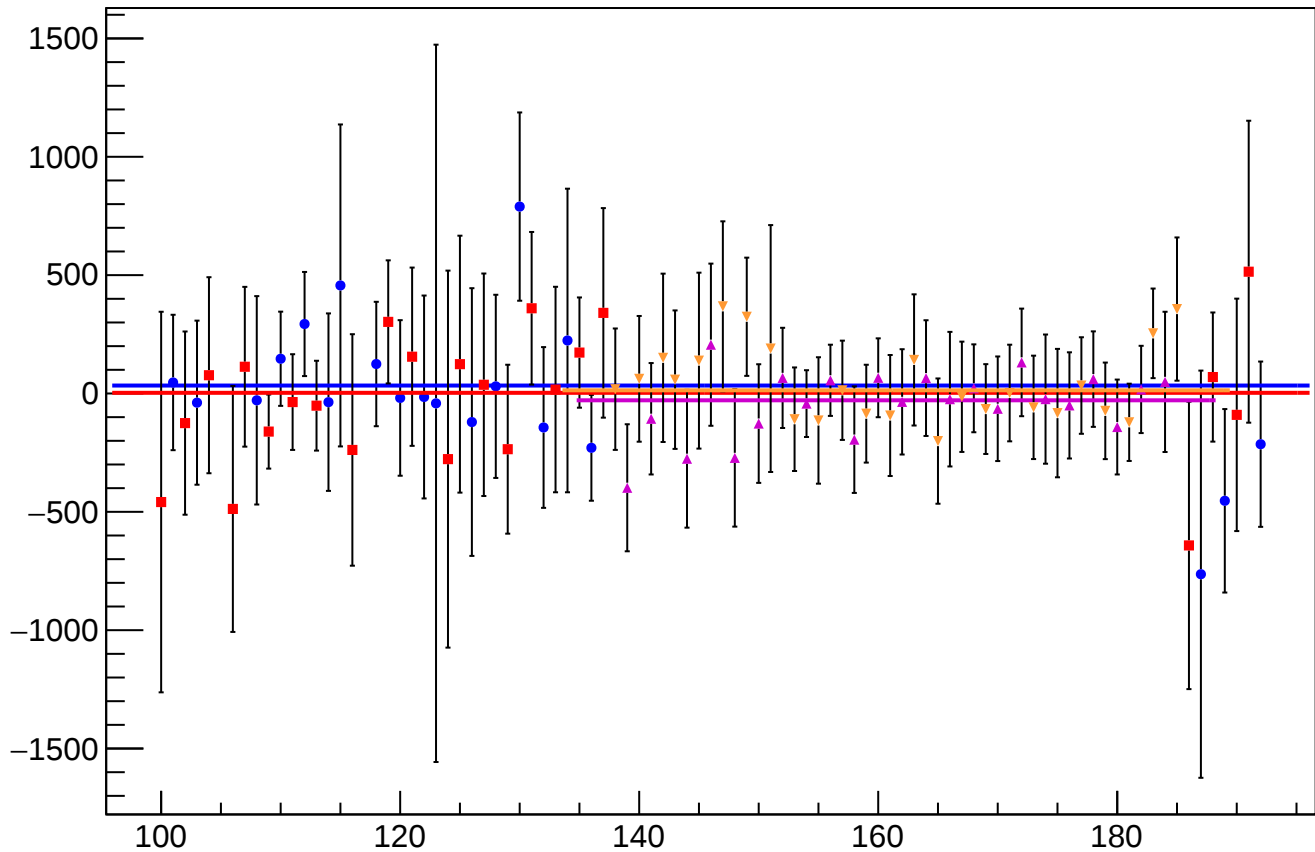
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 198.685 $\pm$ 0.028 χ^2 /NDF: 3207297.8/44

All: 188.339 $\pm$ 0.019 χ^2 /NDF: 7208277.1/90

- sign 179.547 $\pm$ 0.026 χ^2 /NDF: 3756144.0/45

asym_bcm_an_ds3_mean vs Slug



Right In: 33.558 ± 75.819 χ^2/NDF : 10.7/19

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 2.808 ± 66.780 χ^2/NDF : 9.3/22

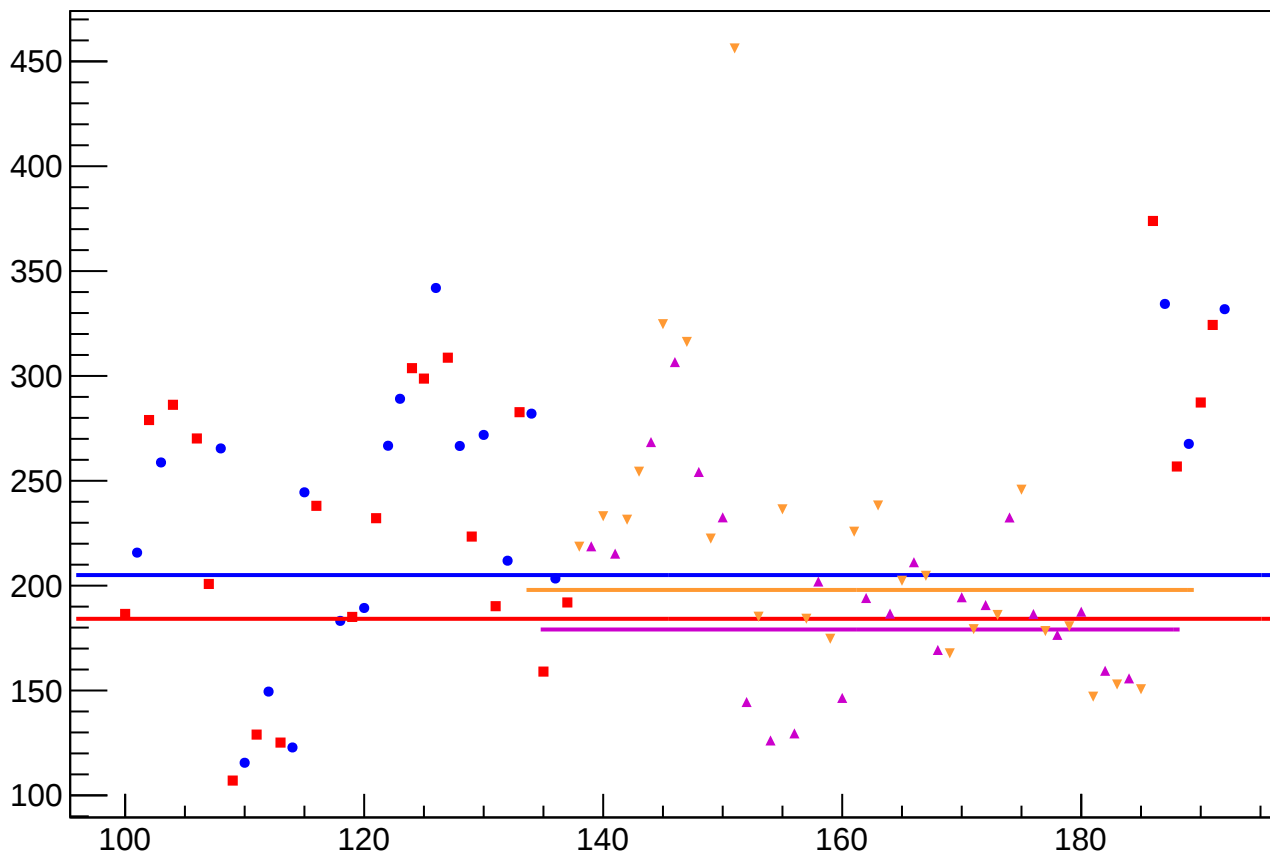
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign 19.140 ± 40.473 χ^2/NDF : 19.8/44

All: -1.447 ± 27.431 χ^2/NDF : 36.5/90

- sign -18.939 ± 37.306 χ^2/NDF : 16.3/45

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: 184.185 $\pm$ 0.047 χ^2 /NDF: 2134898.0/22

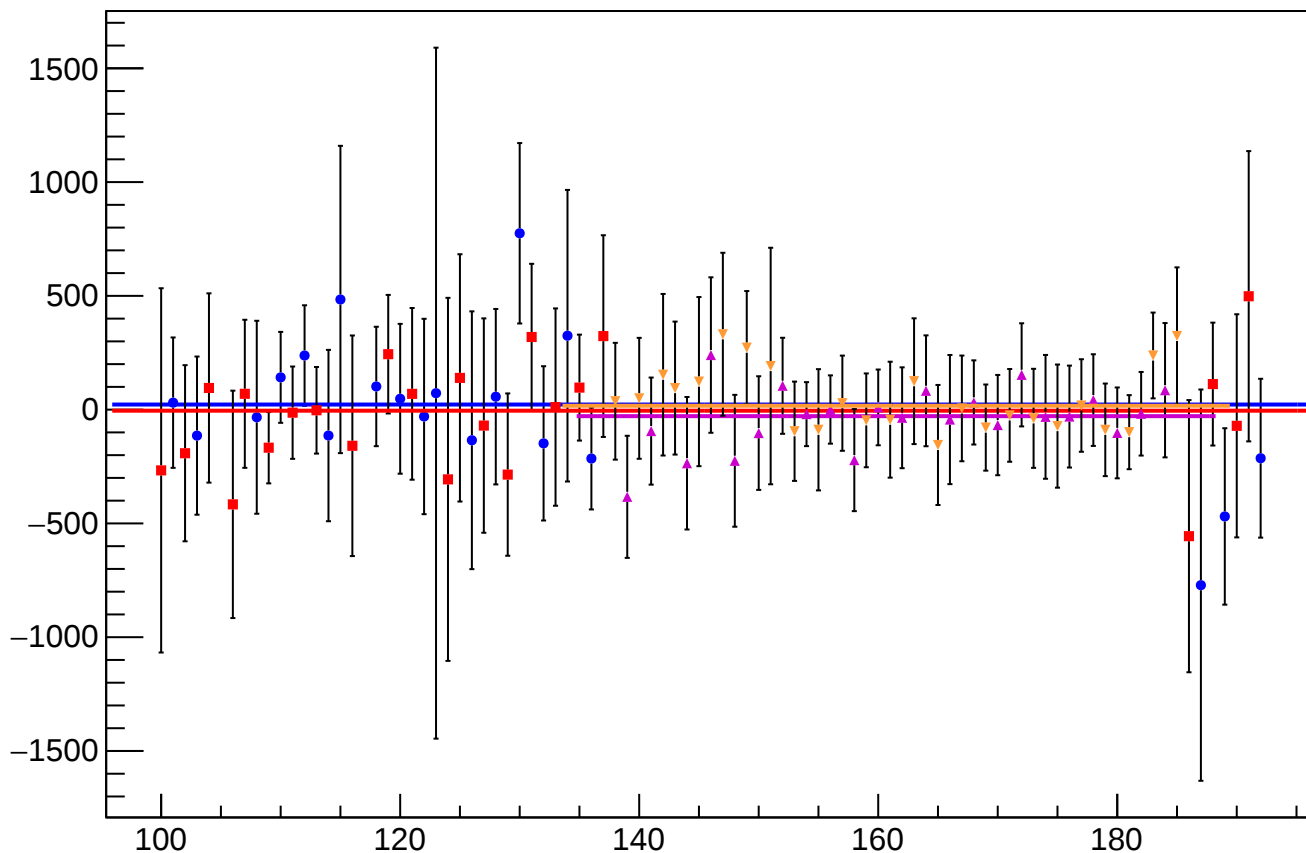
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 199.974 $\pm$ 0.029 χ^2 /NDF: 3191381.3/44

All: 189.543 $\pm$ 0.019 χ^2 /NDF: 7185123.8/90

- sign 180.680 $\pm$ 0.026 χ^2 /NDF: 3748020.7/45

asym_bcm_an_us_mean vs Slug



Right In: 22.459 $\pm$ 75.815 χ^2 /NDF: 10.4/19

Left Out: 17.142 $\pm$ 47.738 χ^2 /NDF: 7.1/24

Right Out: -4.602 $\pm$ 66.658 χ^2 /NDF: 7.5/22

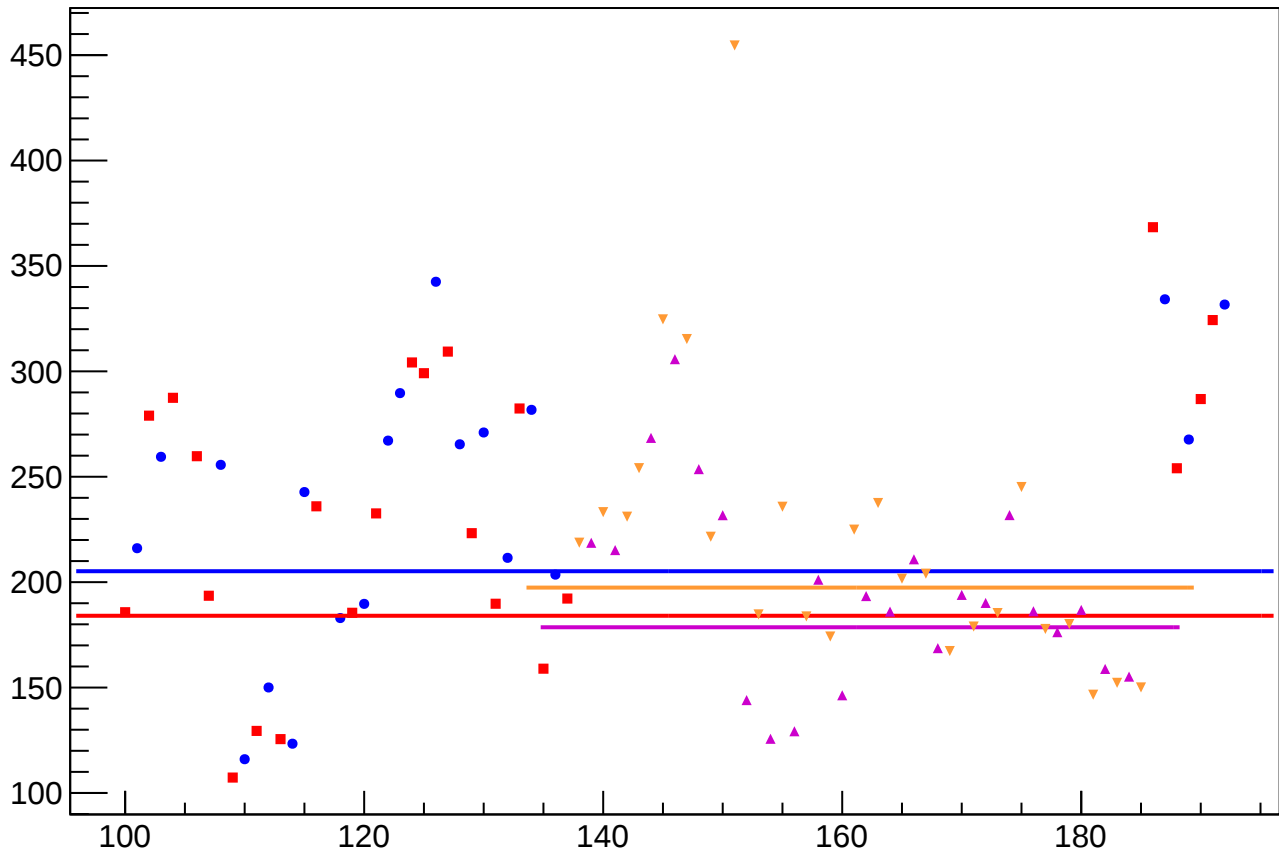
Left In: -28.655 $\pm$ 44.859 χ^2 /NDF: 6.1/22

+ sign 18.651 $\pm$ 40.397 χ^2 /NDF: 17.5/44

All: -2.882 $\pm$ 27.371 χ^2 /NDF: 31.8/90

- sign -21.158 $\pm$ 37.216 χ^2 /NDF: 13.8/45

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: 184.057 $\pm$ 0.047 χ^2 /NDF: 2098067.1/22

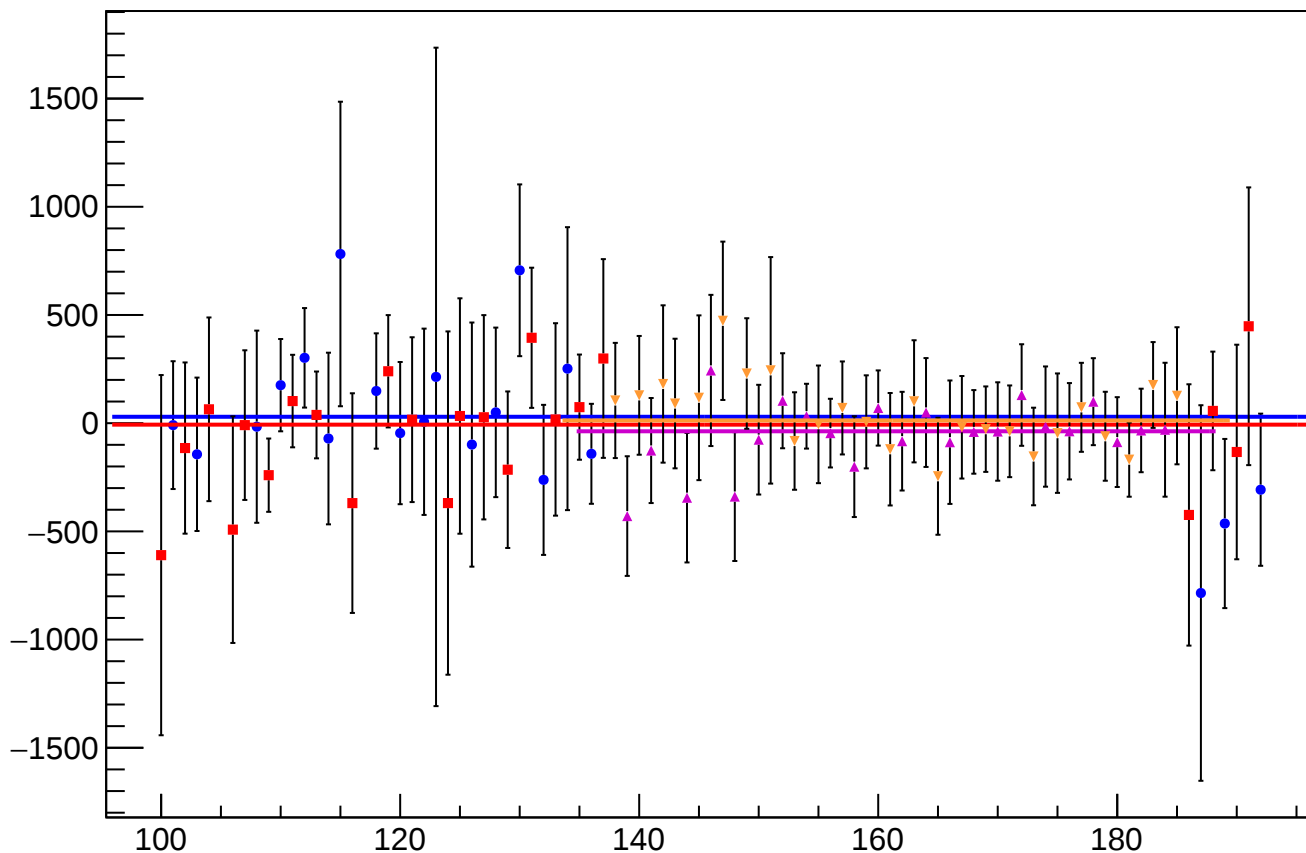
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF:1608998.1/22

+ sign 199.628 $\pm$ 0.029 χ^2 /NDF: 3176135.5/44

All: 189.174 $\pm$ 0.019 χ^2 /NDF: 7140010.6/90

- sign 180.302 $\pm$ 0.026 χ^2 /NDF: 3716288.2/45

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: -6.802 $\pm$ 69.247 χ^2 /NDF: 8.9/22

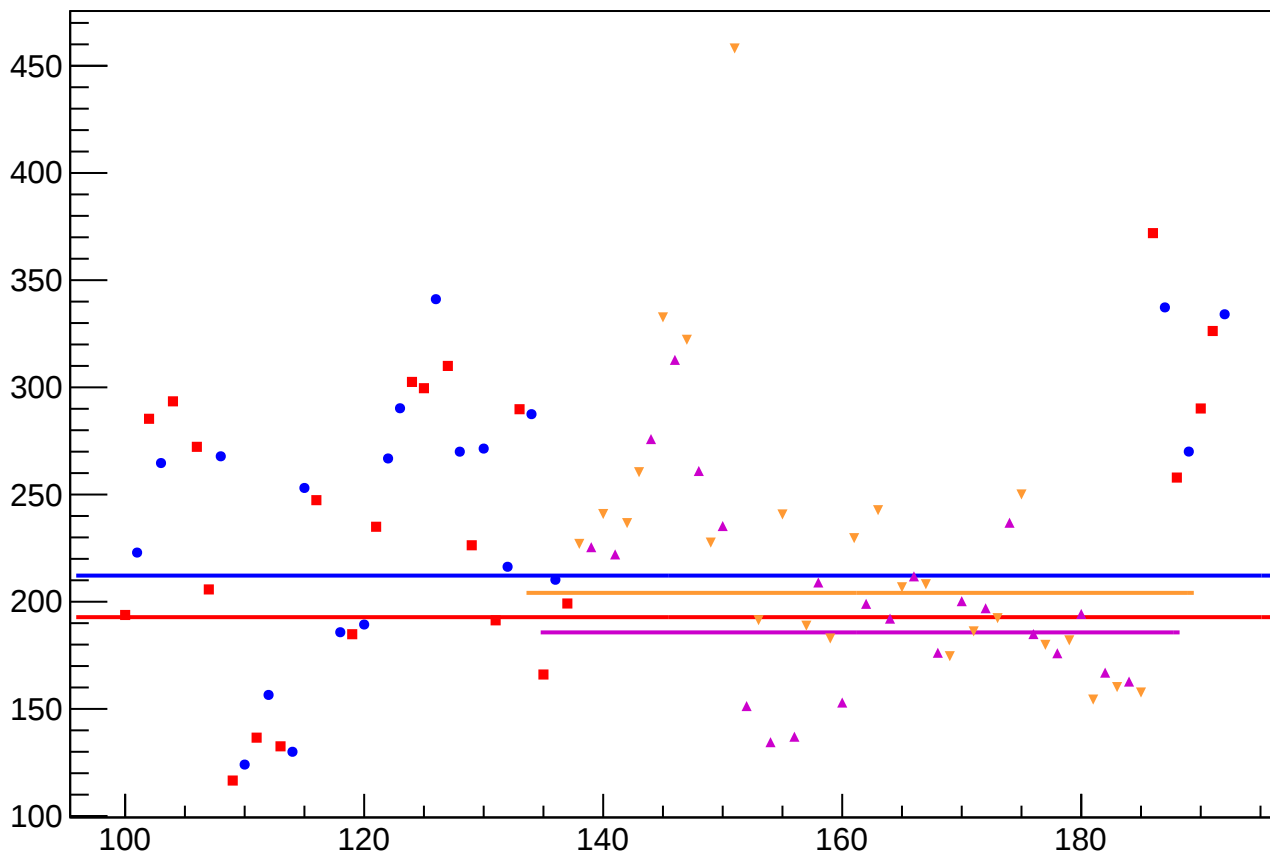
Left In: -37.460 $\pm$ 46.479 χ^2 /NDF: 7.6/22

+ sign 17.465 $\pm$ 41.640 χ^2 /NDF: 18.9/44

All: -6.959 $\pm$ 28.305 χ^2 /NDF: 36.2/90

- sign -27.938 $\pm$ 38.592 χ^2 /NDF: 16.6/45

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: 192.801 $\pm$ 0.049 χ^2 /NDF: 1872444.0/22

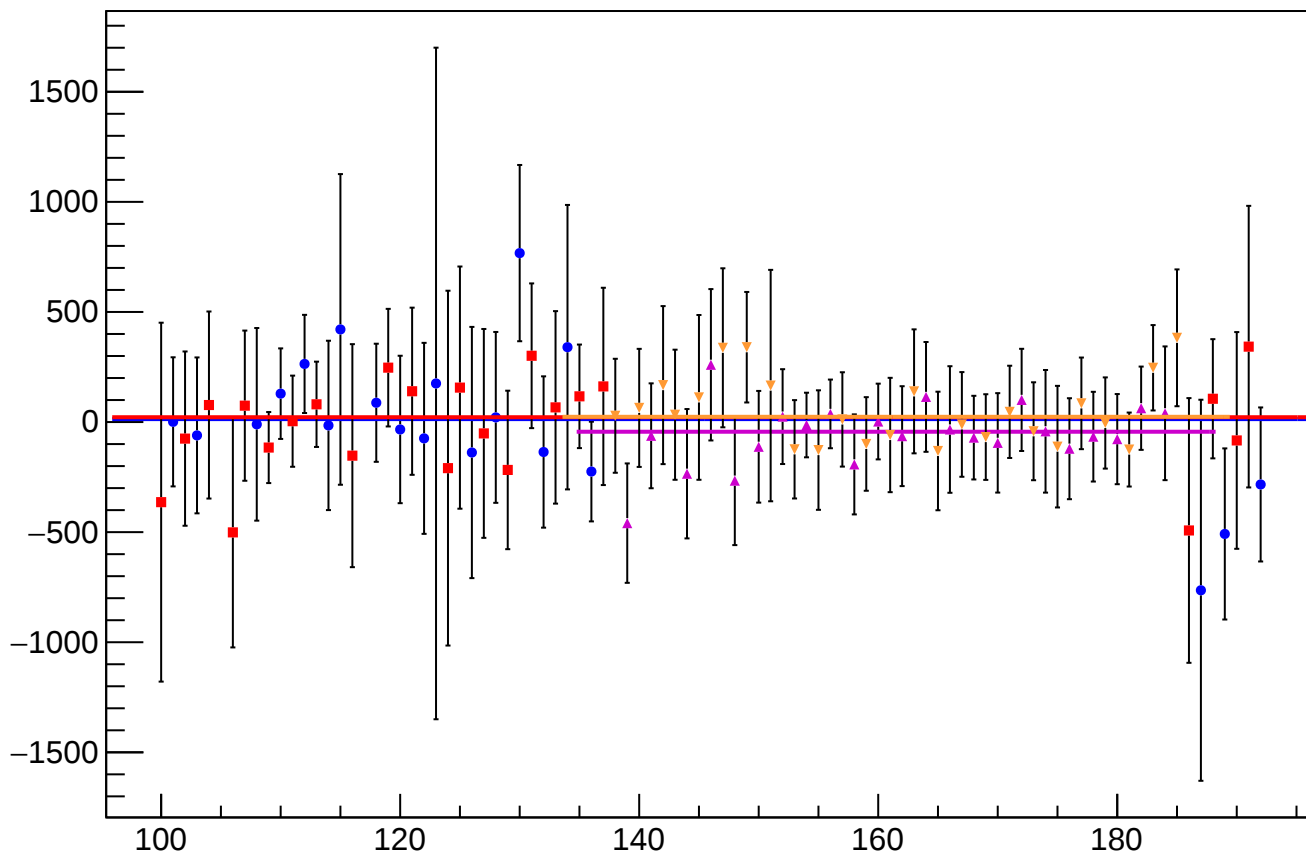
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF: 1447767.0/22

+ sign 206.429 $\pm$ 0.029 χ^2 /NDF: 2929431.8/44

All: 196.462 $\pm$ 0.020 χ^2 /NDF: 6477167.0/90

- sign 187.901 $\pm$ 0.027 χ^2 /NDF: 3334737.8/45

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: 21.918 $\pm$ 67.957 χ^2 /NDF: 5.8/22

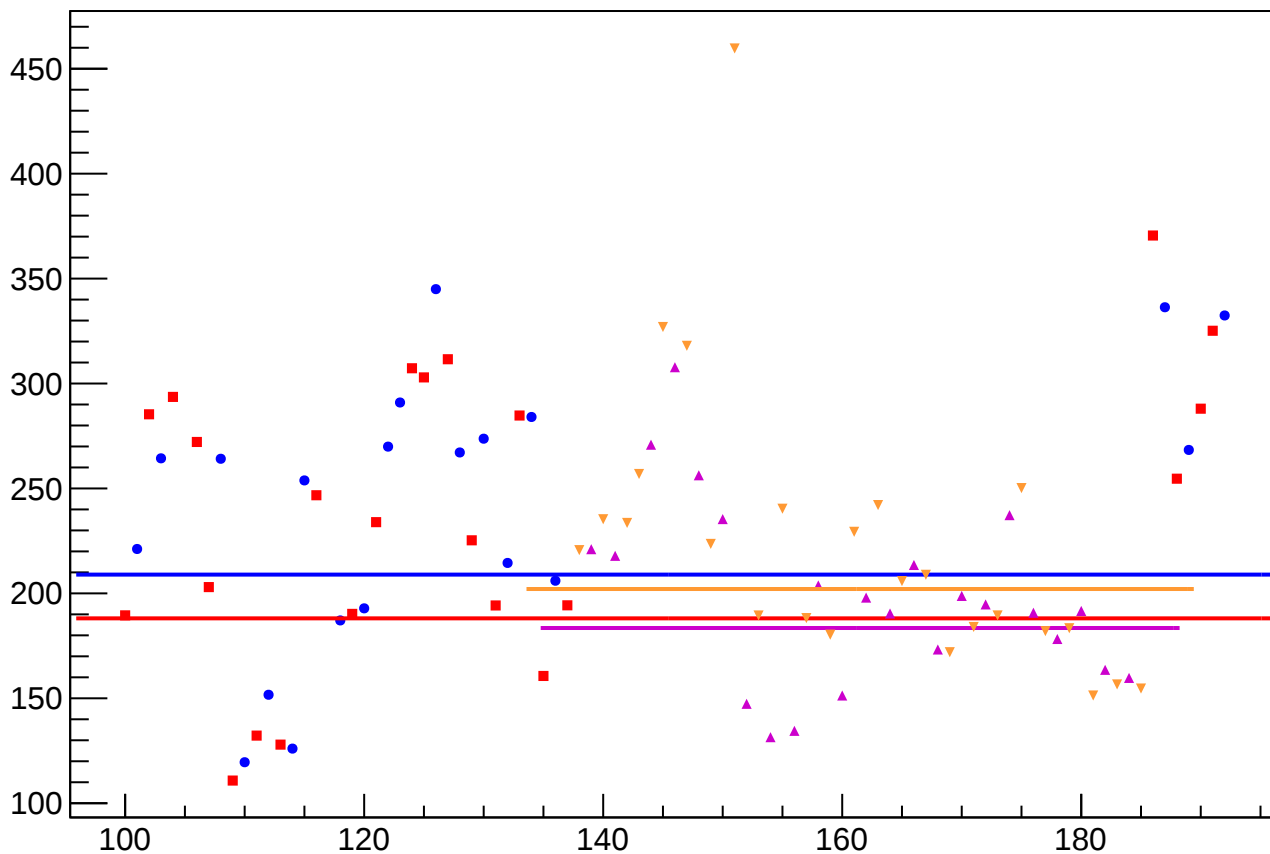
Left In: -43.978 $\pm$ 45.981 χ^2 /NDF: 6.5/22

+ sign 20.855 $\pm$ 41.218 χ^2 /NDF: 19.1/44

All: -2.957 $\pm$ 27.971 χ^2 /NDF: 32.7/90

- sign -23.285 $\pm$ 38.083 χ^2 /NDF: 13.0/45

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: 188.096 $\pm$ 0.048 χ^2 /NDF: 2047031.7/22

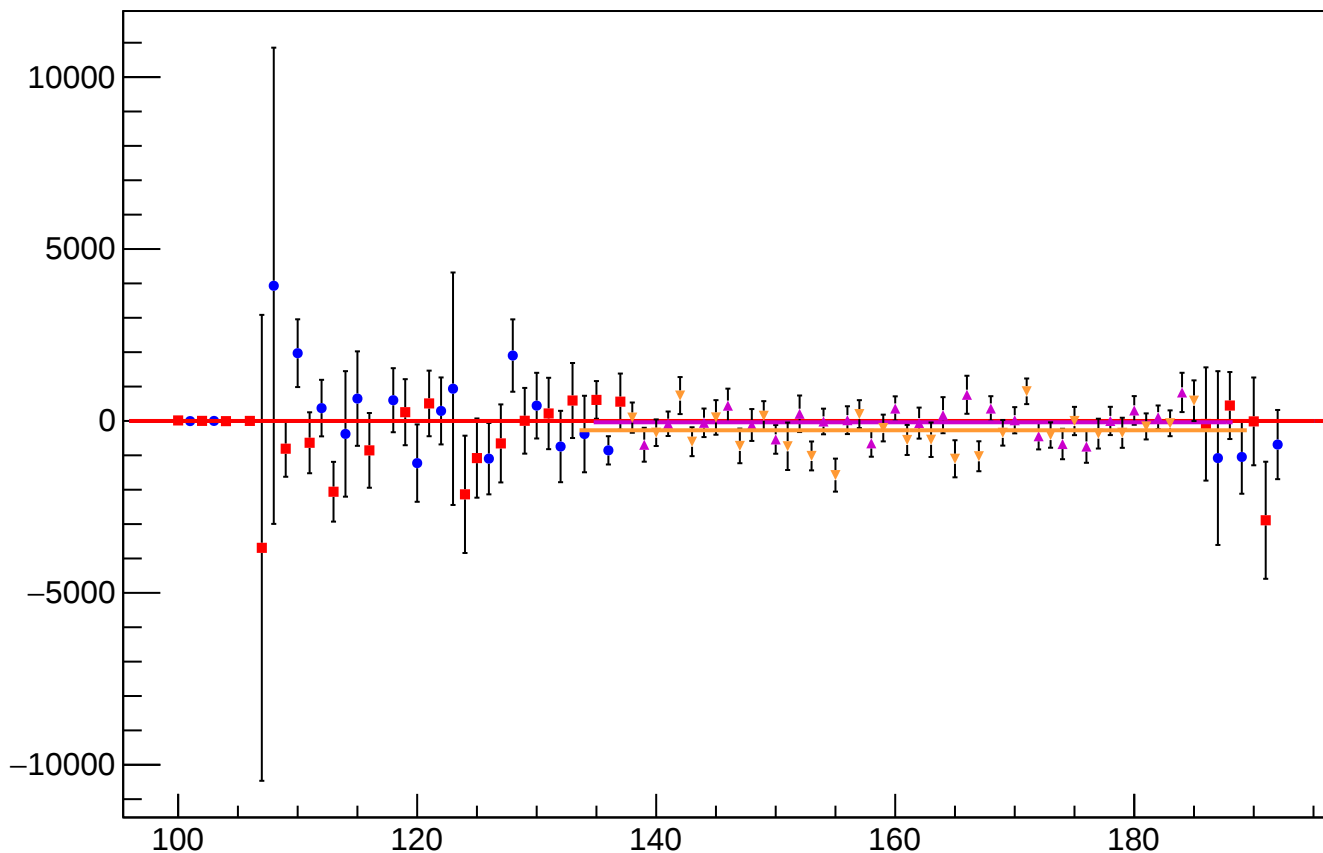
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF: 1483383.4/22

+ sign 204.044 $\pm$ 0.029 χ^2 /NDF: 3041029.9/44

All: 193.739 $\pm$ 0.020 χ^2 /NDF: 6809458.6/90

- sign 184.942 $\pm$ 0.027 χ^2 /NDF: 3536696.5/45

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: -0.728 ± 2.111 χ^2/NDF : 22.2/22

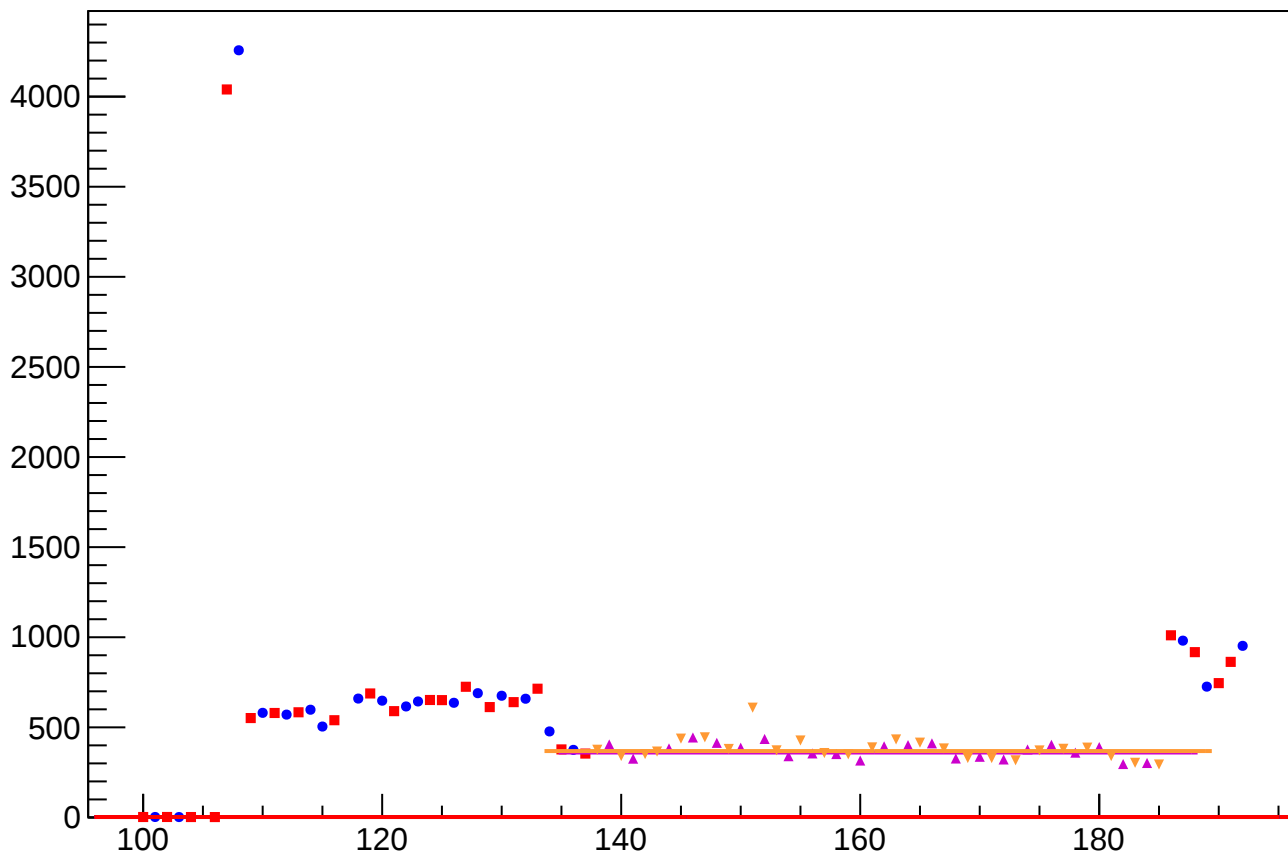
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.719 ± 2.251 χ^2/NDF : 66.7/44

All: -1.204 ± 1.540 χ^2/NDF : 109.5/90

- sign -0.751 ± 2.111 χ^2/NDF : 42.7/45

asym_cav4bQ_rms vs Slug



Right In: 2.465 ± 0.002 χ^2/NDF : 13804706.2/19

Left Out: 368.397 ± 0.061 χ^2/NDF : 622466.1/24

Right Out: 2.446 ± 0.001 χ^2/NDF : 14803794.5/22

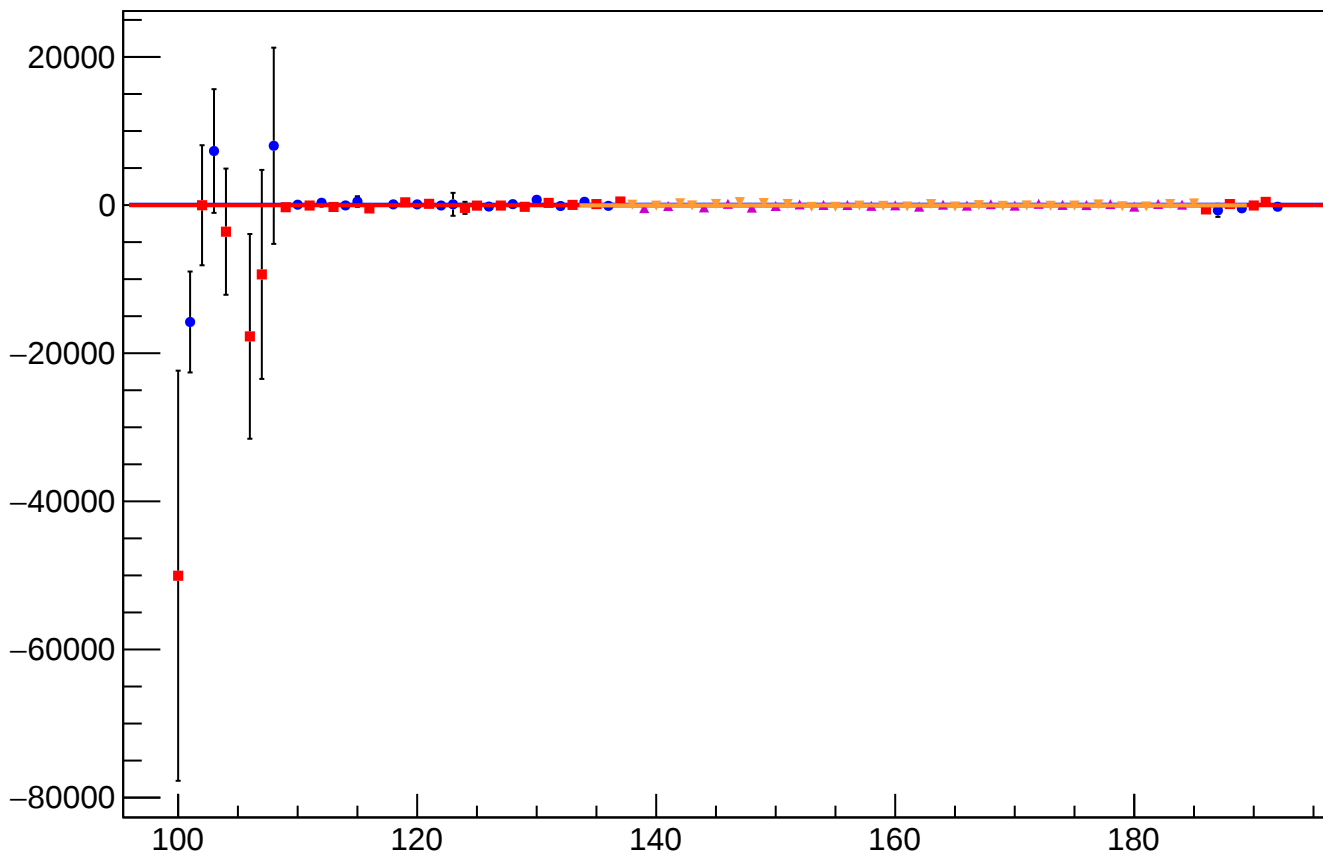
Left In: 360.408 ± 0.062 χ^2/NDF : 417739.4/22

+ sign 2.710 ± 0.002 χ^2/NDF : 49812840.8/44

All: 2.680 ± 0.001 χ^2/NDF : 98283149.6/90

- sign 2.653 ± 0.001 χ^2/NDF : 48469617.1/45

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: -26.495+/-78.552 χ^2/NDF : 15.8/22

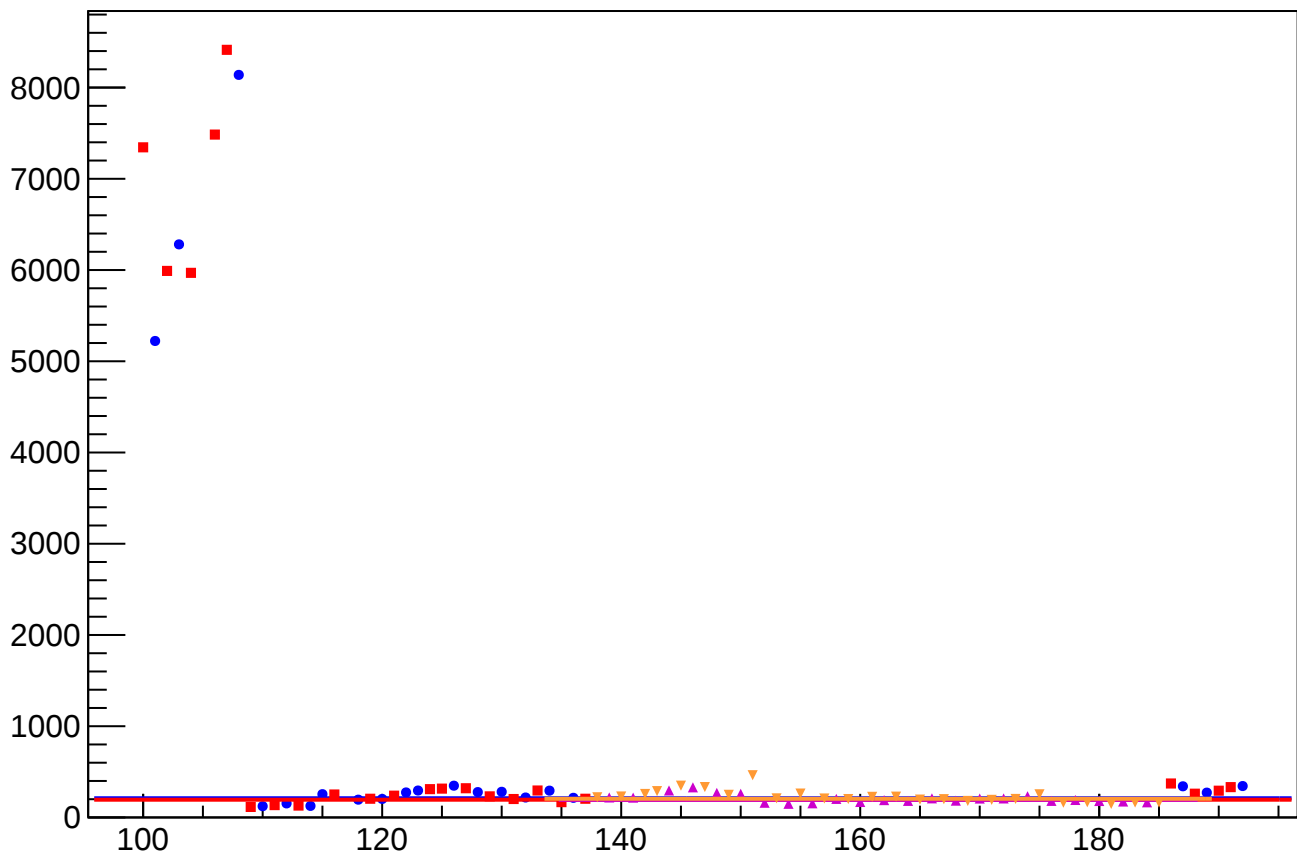
Left In: -28.205+/-48.167 χ^2/NDF : 9.2/22

+ sign -16.124+/-42.965 χ^2/NDF : 25.2/44

All: -22.193+/-29.685 χ^2/NDF : 50.2/90

- sign -27.738+/-41.062 χ^2/NDF : 25.0/45

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: 194.492 $\pm$ 0.056 χ^2 /NDF: 4829890.1/22

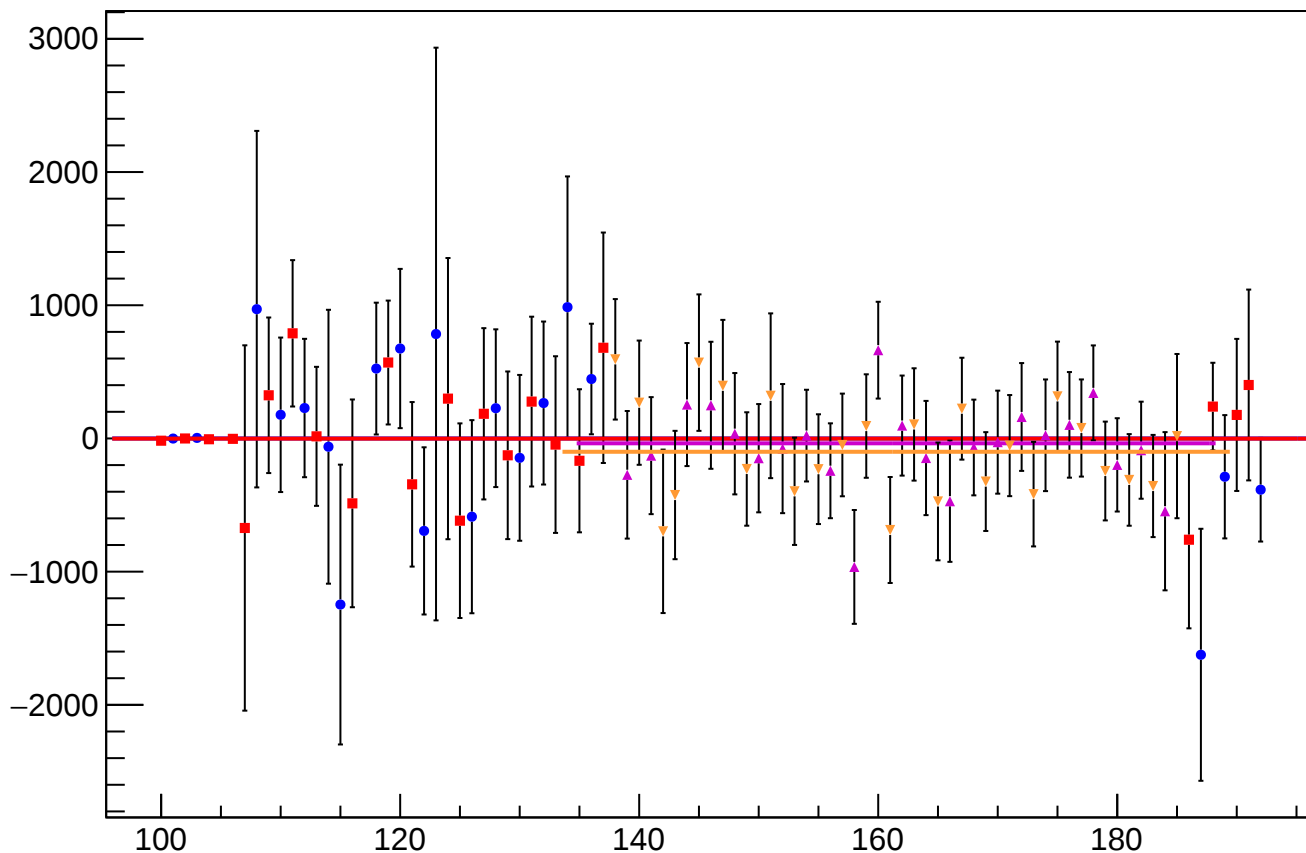
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF: 1172169.3/22

+ sign 206.397 $\pm$ 0.030 χ^2 /NDF: 6066572.4/44

All: 199.762 $\pm$ 0.021 χ^2 /NDF: 12160164.8/90

- sign 193.702 $\pm$ 0.029 χ^2 /NDF: 6002338.0/45

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: -1.318 ± 1.623 χ^2/NDF : 11.6/22

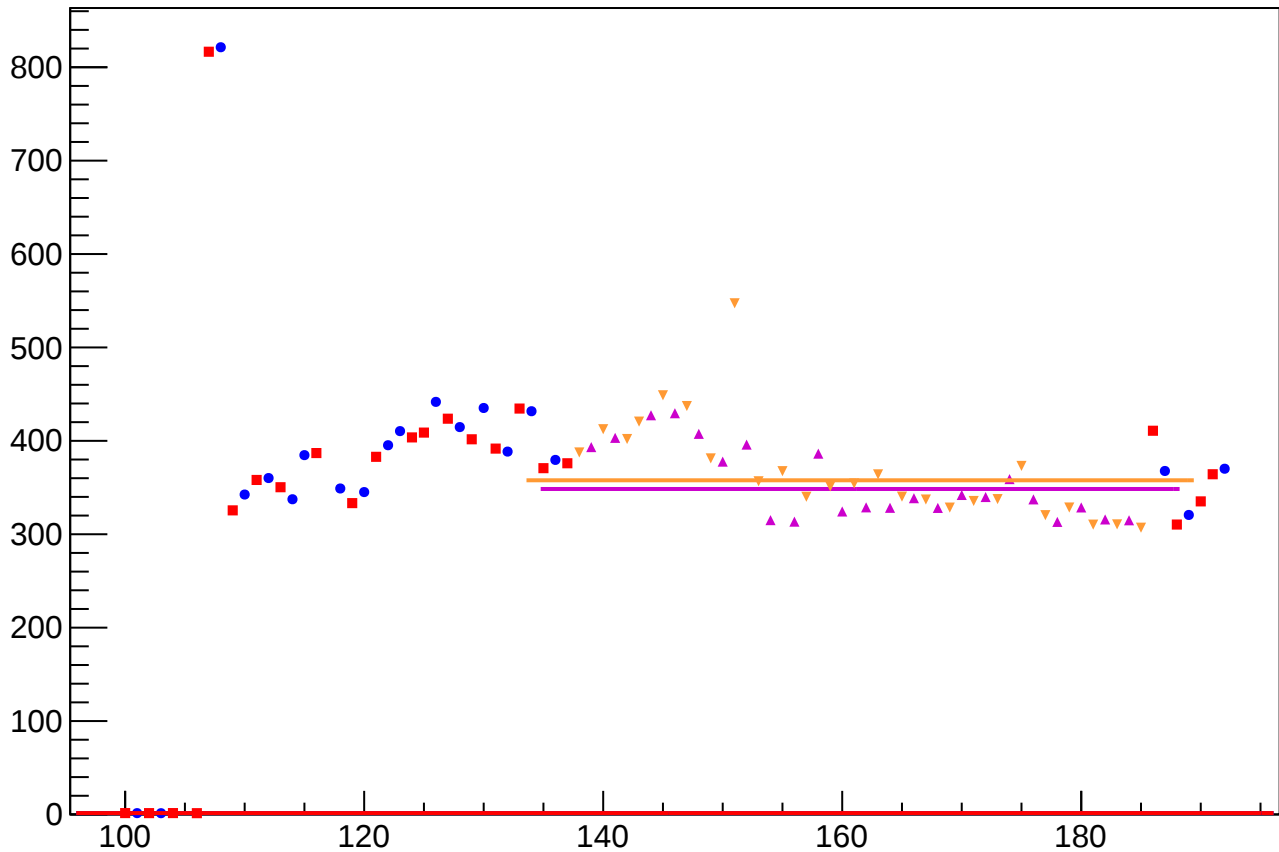
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.199 ± 1.736 χ^2/NDF : 31.5/44

All: -0.803 ± 1.185 χ^2/NDF : 57.0/90

- sign -1.331 ± 1.622 χ^2/NDF : 25.3/45

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: 1.465 ± 0.001 χ^2/NDF : 14555962.9/22

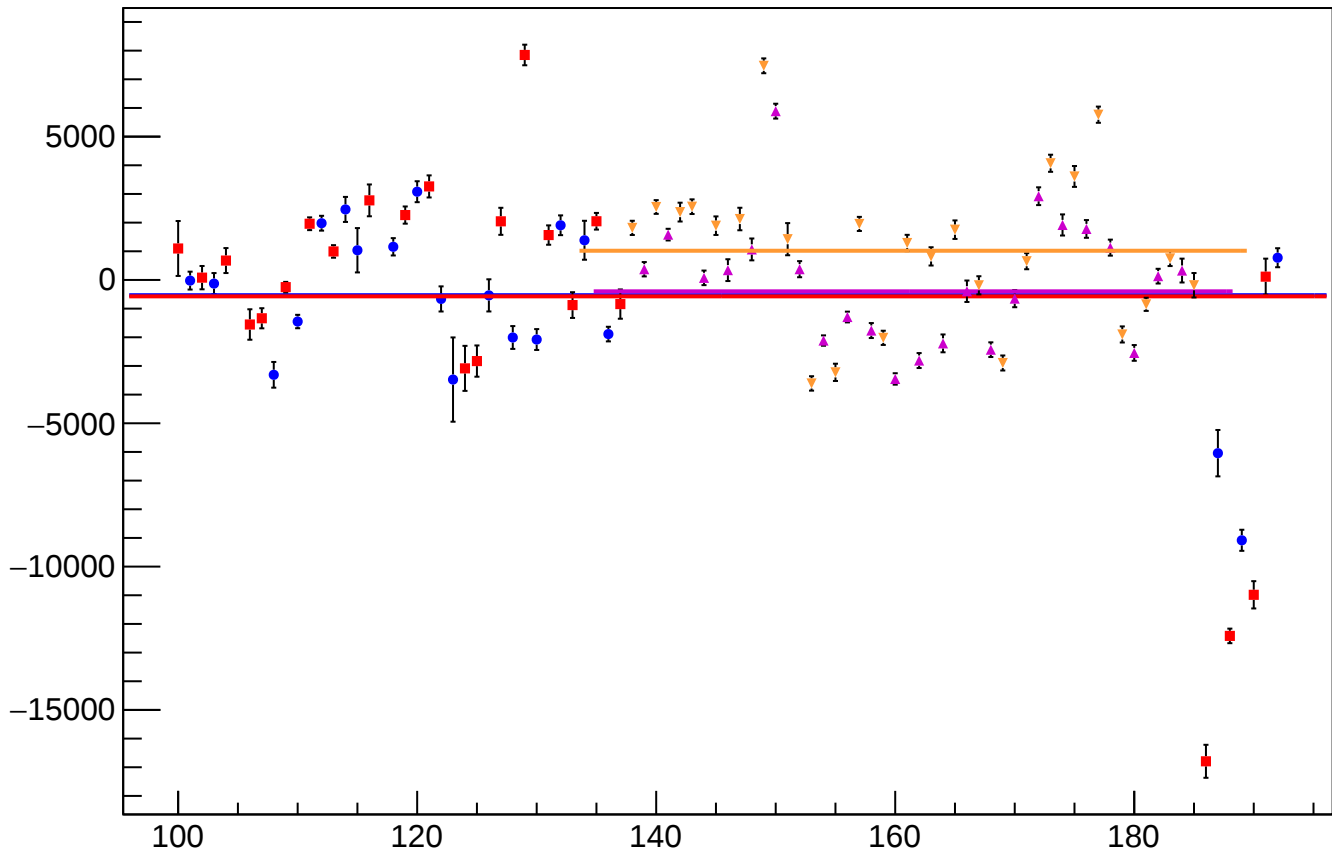
Left In: 348.464 ± 0.060 χ^2/NDF : 360425.7/22

+ sign 1.617 ± 0.001 χ^2/NDF : 50315923.9/44

All: 1.604 ± 0.001 χ^2/NDF : 98807271.5/90

- sign 1.593 ± 0.001 χ^2/NDF : 48491136.4/45

asym_bcm0l02_mean vs Slug



Right In: -531.823 ± 82.243 $\chi^2/\text{NDF}: 1056.4/19$

Left Out: 1018.965 ± 57.402 $\chi^2/\text{NDF}: 2310.1/24$

Right Out: -572.508 ± 72.931 $\chi^2/\text{NDF}: 4608.9/22$

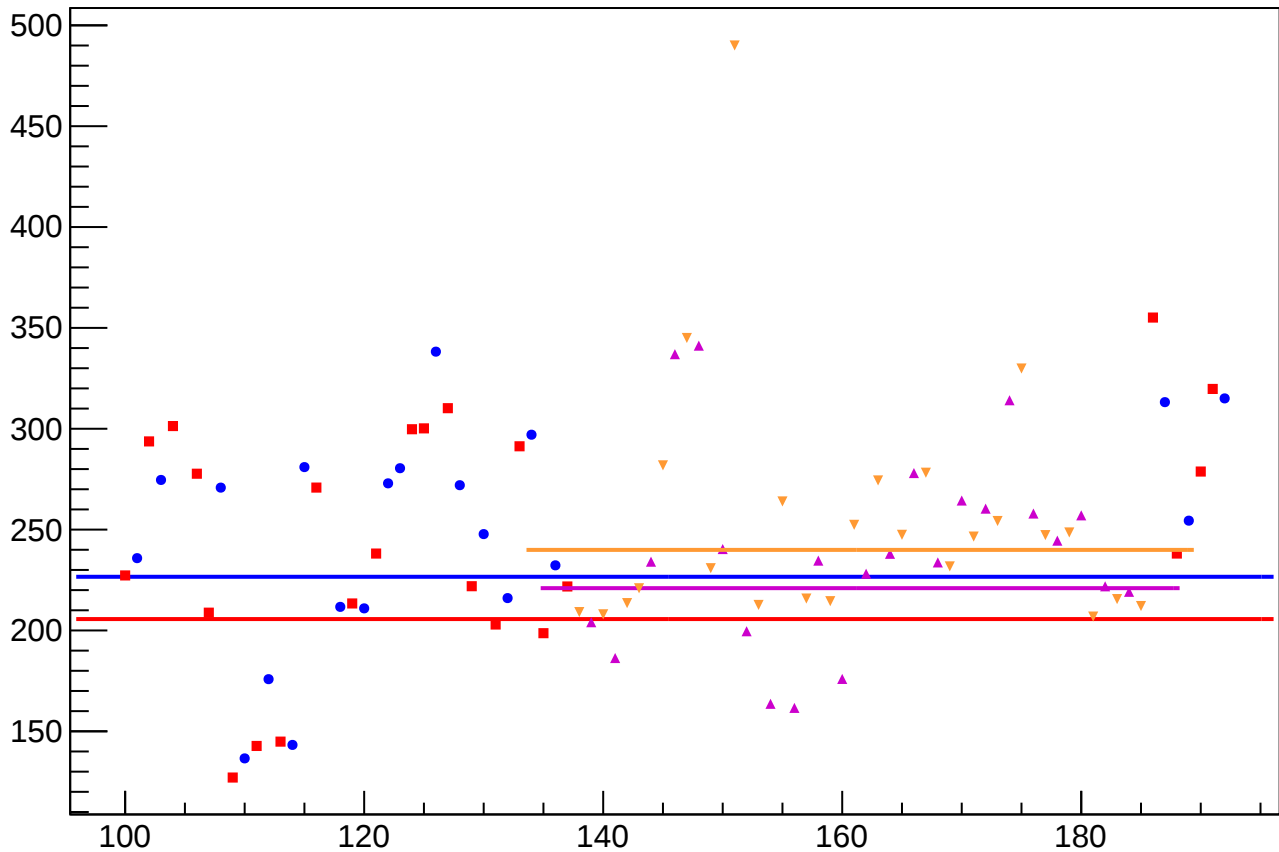
Left In: -396.609 ± 55.090 $\chi^2/\text{NDF}: 1581.0/22$

+ sign 510.971 ± 47.071 $\chi^2/\text{NDF}: 3605.6/44$

All: -7.944 ± 32.127 $\chi^2/\text{NDF}: 10026.8/90$

- sign -460.512 ± 43.959 $\chi^2/\text{NDF}: 6193.7/45$

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: 205.648 $\pm$ 0.052 χ^2 /NDF: 1499943.1/22

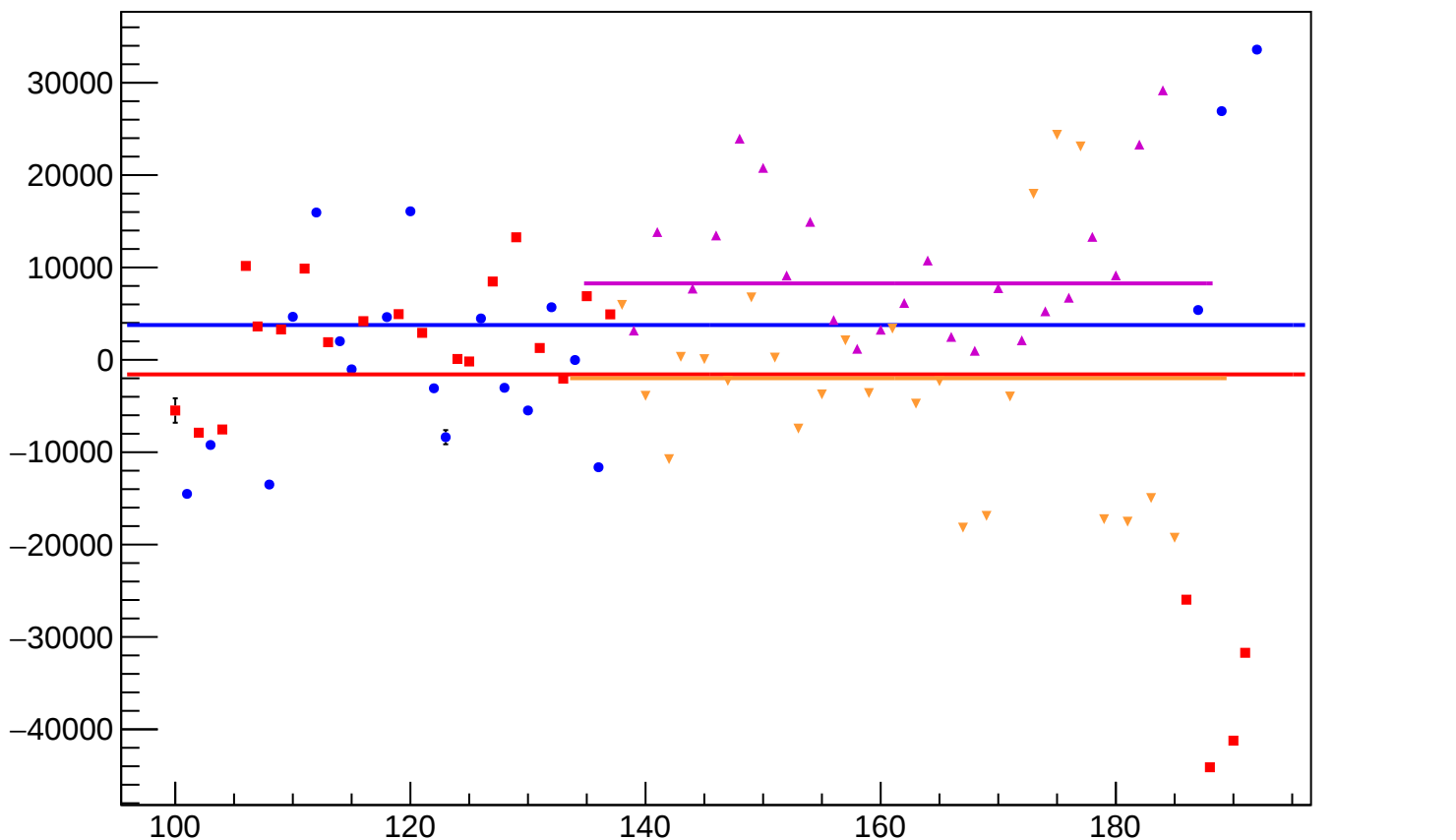
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 235.576 $\pm$ 0.033 χ^2 /NDF: 1893859.7/44

All: 224.801 $\pm$ 0.023 χ^2 /NDF: 4973872.9/90

- sign 215.405 $\pm$ 0.031 χ^2 /NDF: 2883838.6/45

asym_bpm0i02WS_mean vs Slug



Right In: 3767.726 $\pm$ 51.329 χ^2 /NDF: 67970.3/19

Left Out: -1991.788 $\pm$ 42.427 χ^2 /NDF:63766.6/24

Right Out: -1576.008 $\pm$ 48.538 χ^2 /NDF: 105266.5/22

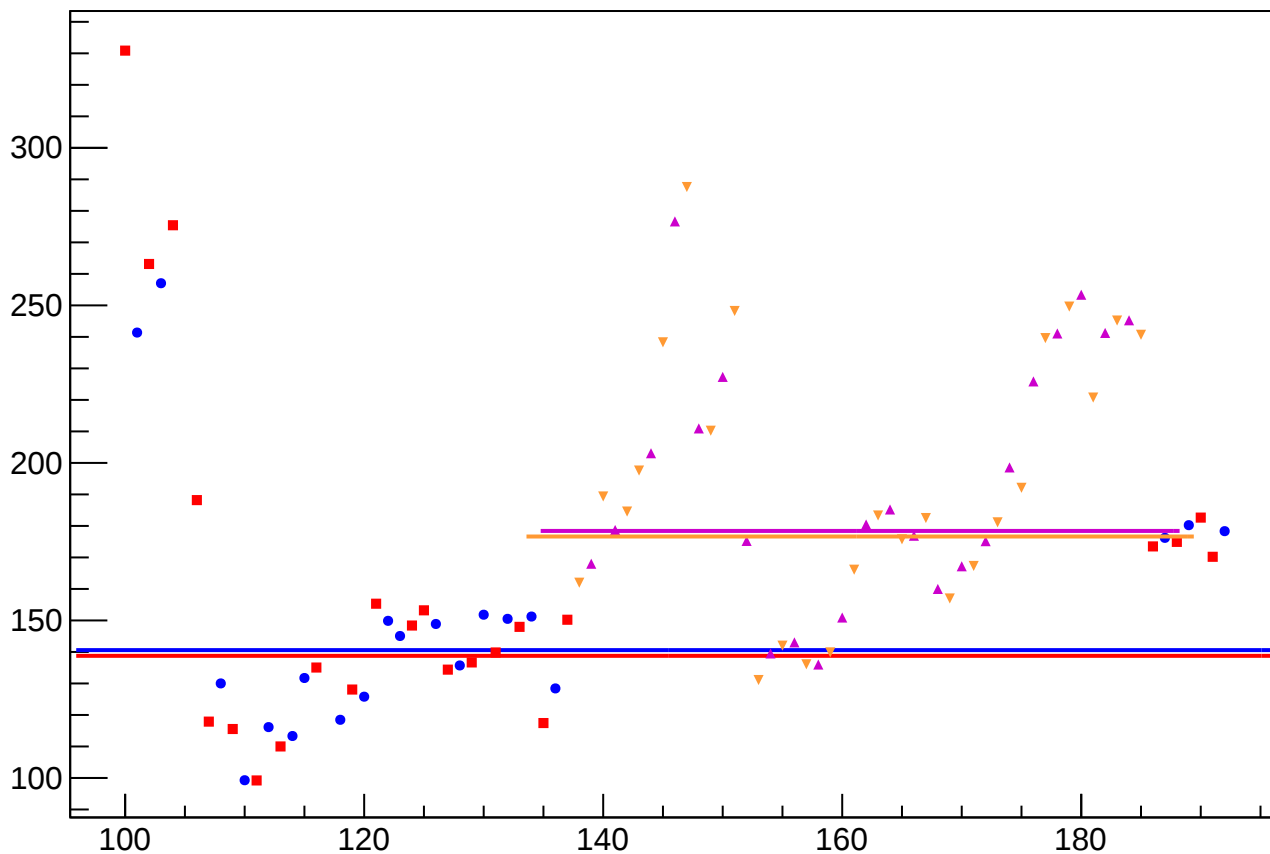
Left In: 8273.228 $\pm$ 44.301 χ^2 /NDF:22870.2/22

+ sign 345.983 $\pm$ 32.702 χ^2 /NDF: 139217.0/44

All: 2070.554 $\pm$ 23.131 χ^2 /NDF: 295382.1/90

- sign 3797.193 $\pm$ 32.721 χ^2 /NDF: 150599.5/45

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: 138.772 $\pm$ 0.034 χ^2 /NDF: 1018915.3/22

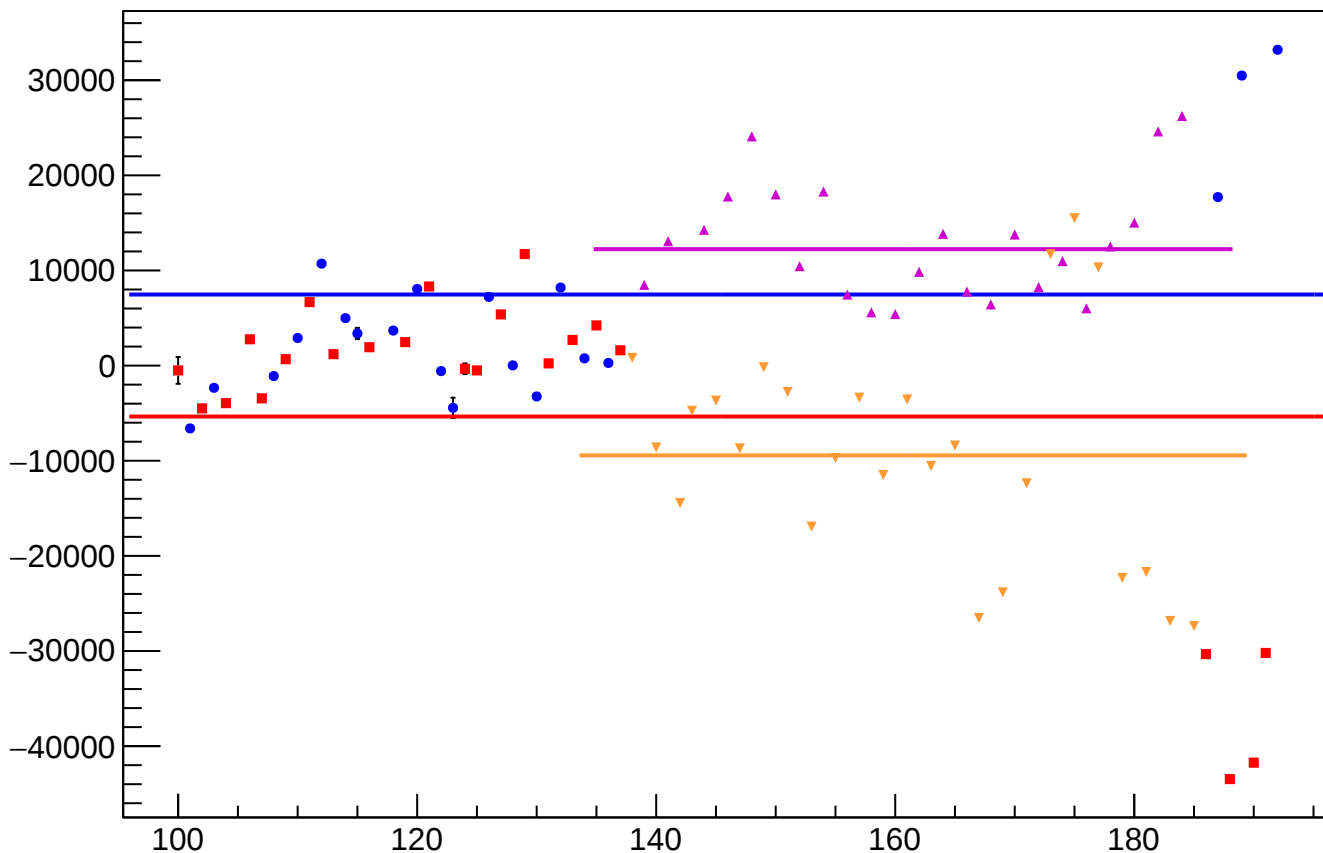
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 162.005 $\pm$ 0.023 χ^2 /NDF: 2953943.6/44

All: 161.202 $\pm$ 0.016 χ^2 /NDF: 5996769.1/90

- sign 160.398 $\pm$ 0.023 χ^2 /NDF: 3040412.5/45

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: -5350.986 ± 59.225 χ^2/NDF : 83678.1/22

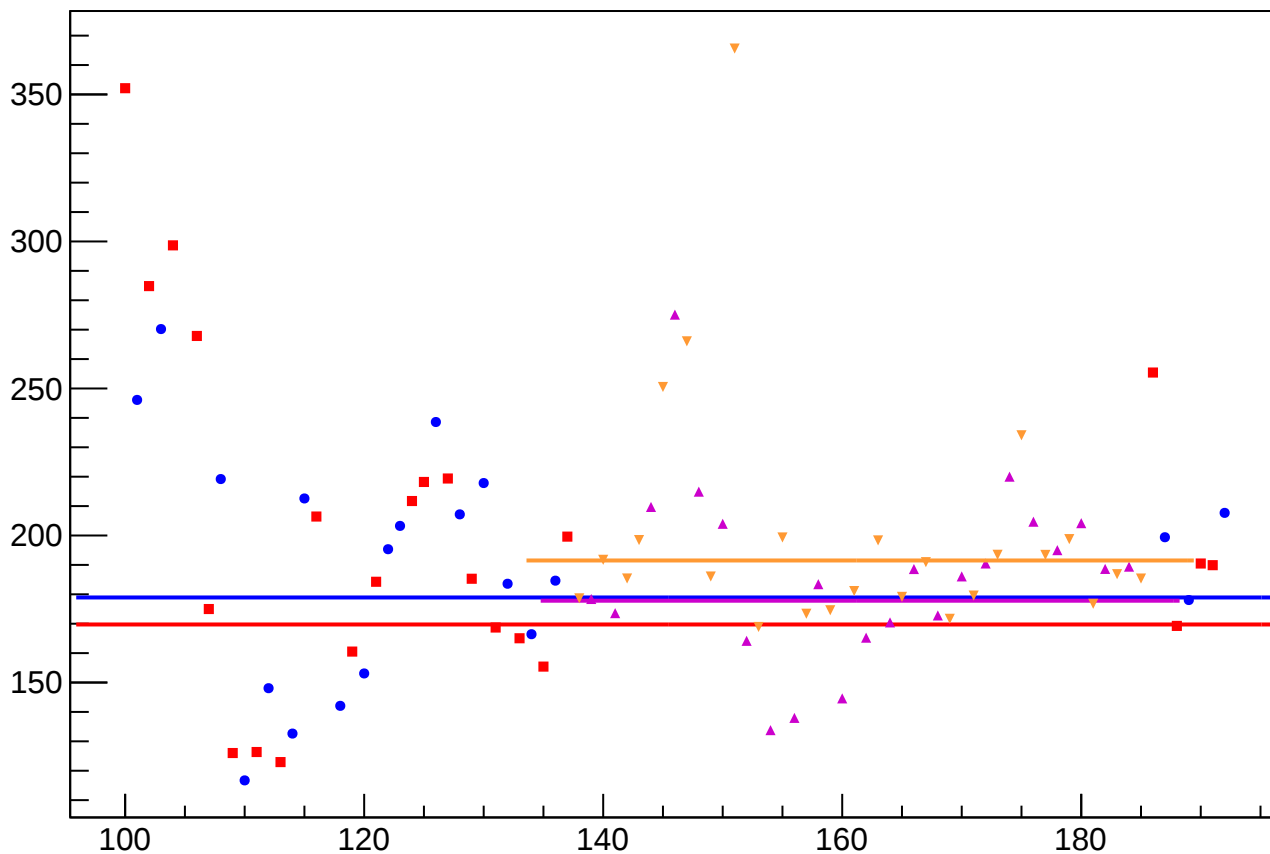
Left In: 12242.226 ± 43.944 χ^2/NDF : 16615.8/22

+ sign -3840.939 ± 37.245 χ^2/NDF : 138445.9/44

All: 1342.066 ± 25.617 χ^2/NDF : 332402.7/90

- sign 5995.377 ± 35.291 χ^2/NDF : 157205.2/45

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

+ sign 187.343+/-0.026 χ^2/NDF : 1507869.3/44

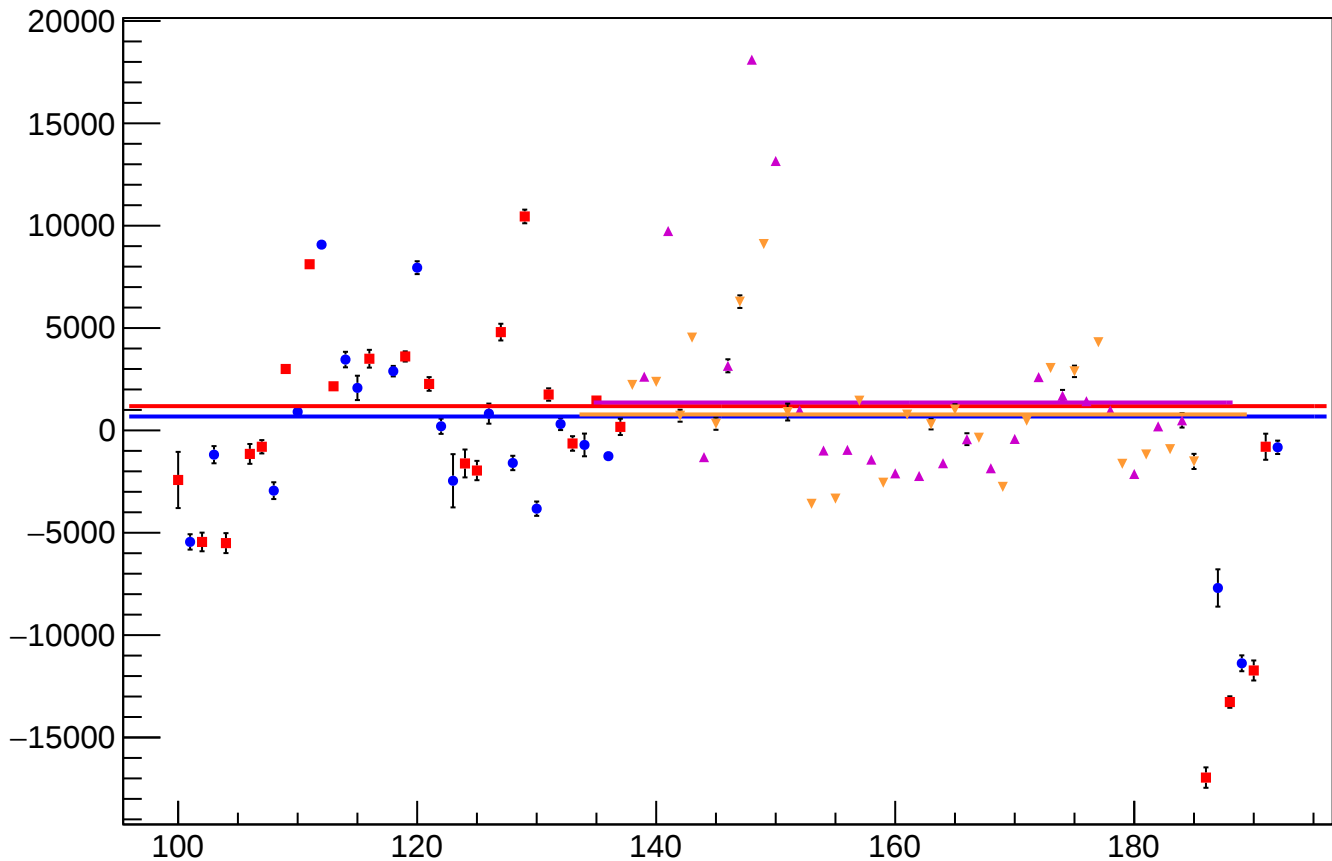
Right Out: 169.740+/-0.042 χ^2/NDF : 1030898.6/22

All: 180.814+/-0.018 χ^2/NDF : 3541926.4/90

Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

- sign 174.952+/-0.025 χ^2/NDF : 1917411.7/45

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: 1184.892 ± 66.320 χ^2/NDF : 7663.3/22

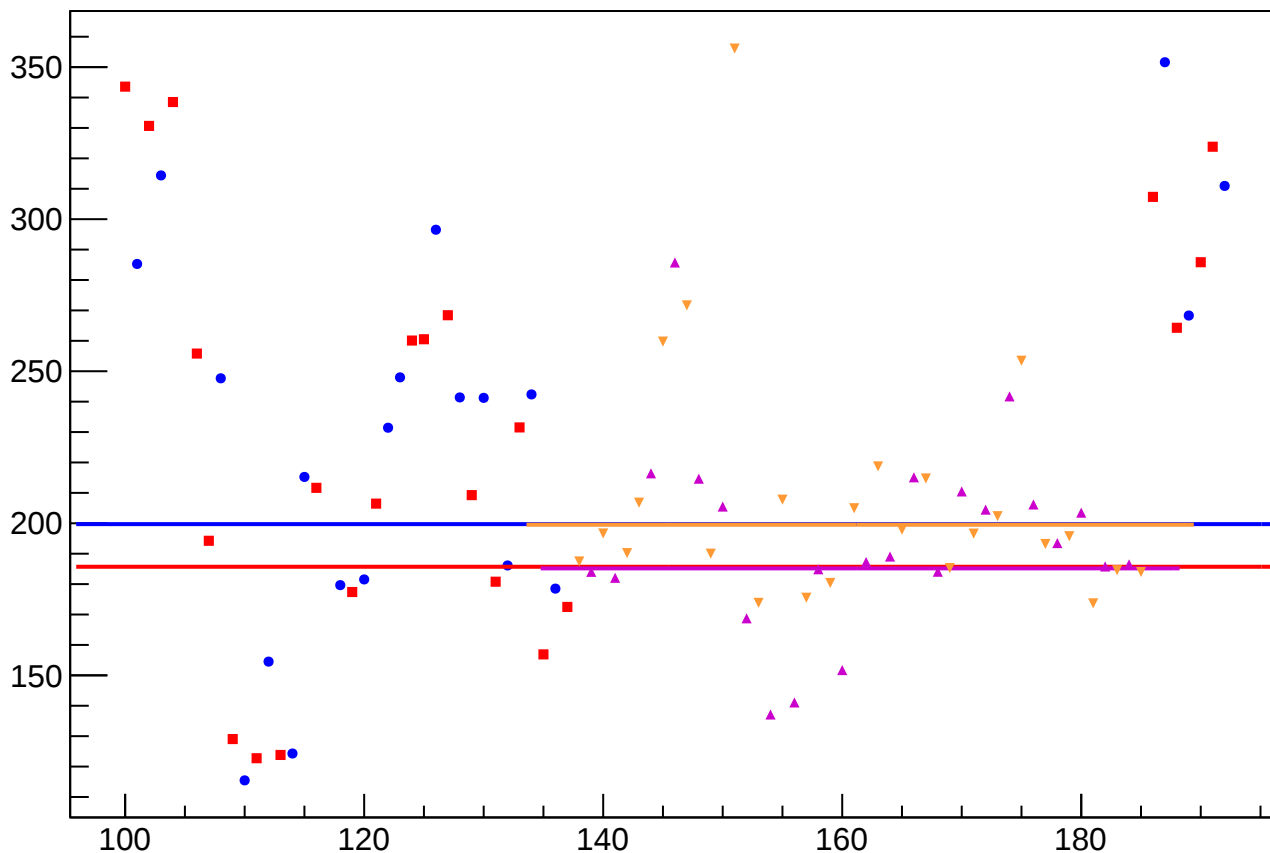
Left In: 1363.043 ± 45.807 χ^2/NDF : 11632.9/22

+ sign 750.311 ± 39.889 χ^2/NDF : 8049.9/44

All: 1043.632 ± 27.396 χ^2/NDF : 27453.3/90

- sign 1305.504 ± 37.690 χ^2/NDF : 19301.1/45

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

Right Out: 185.706 $\pm$ 0.047 χ^2 /NDF: 1793799.2/22

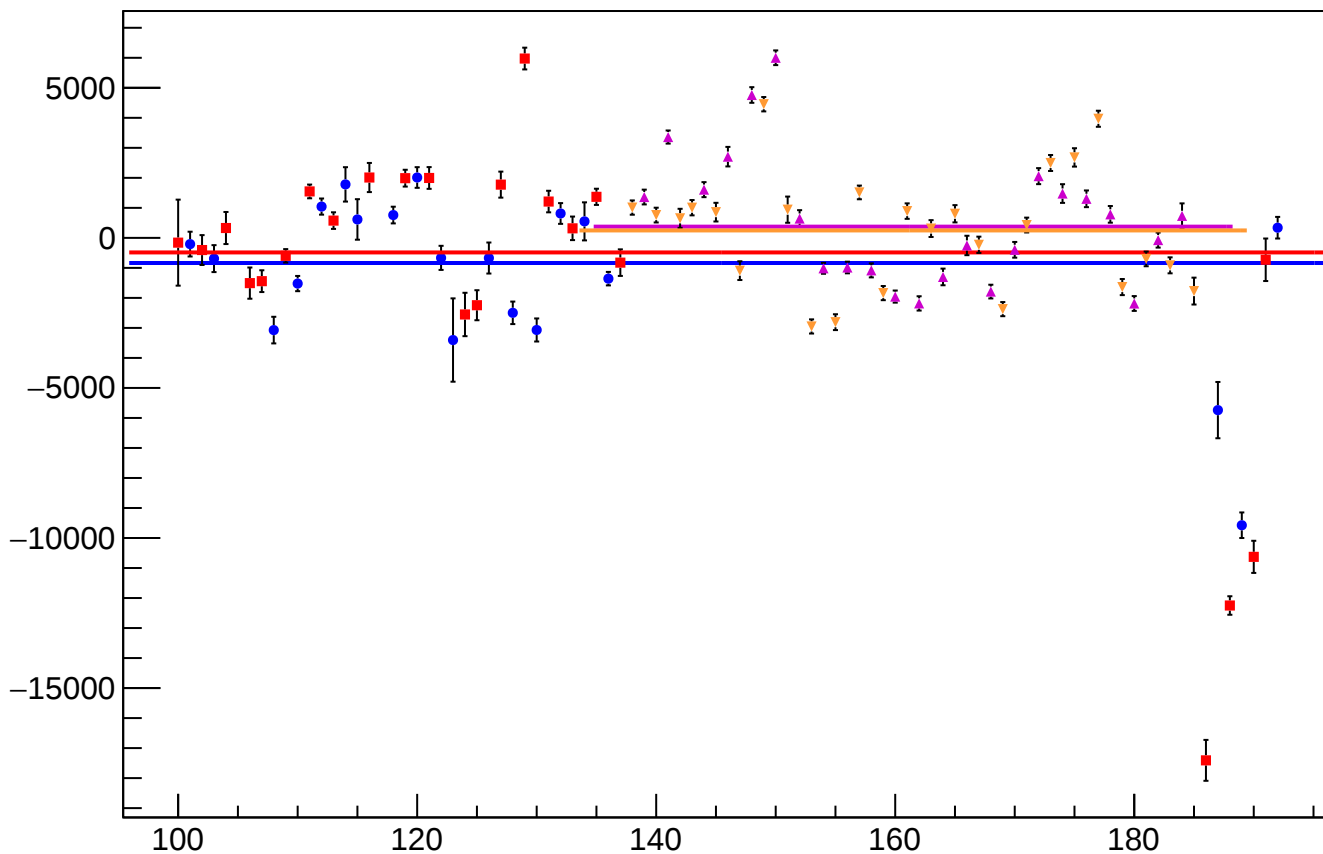
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 199.599 $\pm$ 0.028 χ^2 /NDF: 2089641.1/44

All: 192.068 $\pm$ 0.019 χ^2 /NDF: 4901229.6/90

- sign 185.344 $\pm$ 0.027 χ^2 /NDF: 2676639.7/45

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: -485.106+/-77.607 χ^2/NDF : 3129.5/22

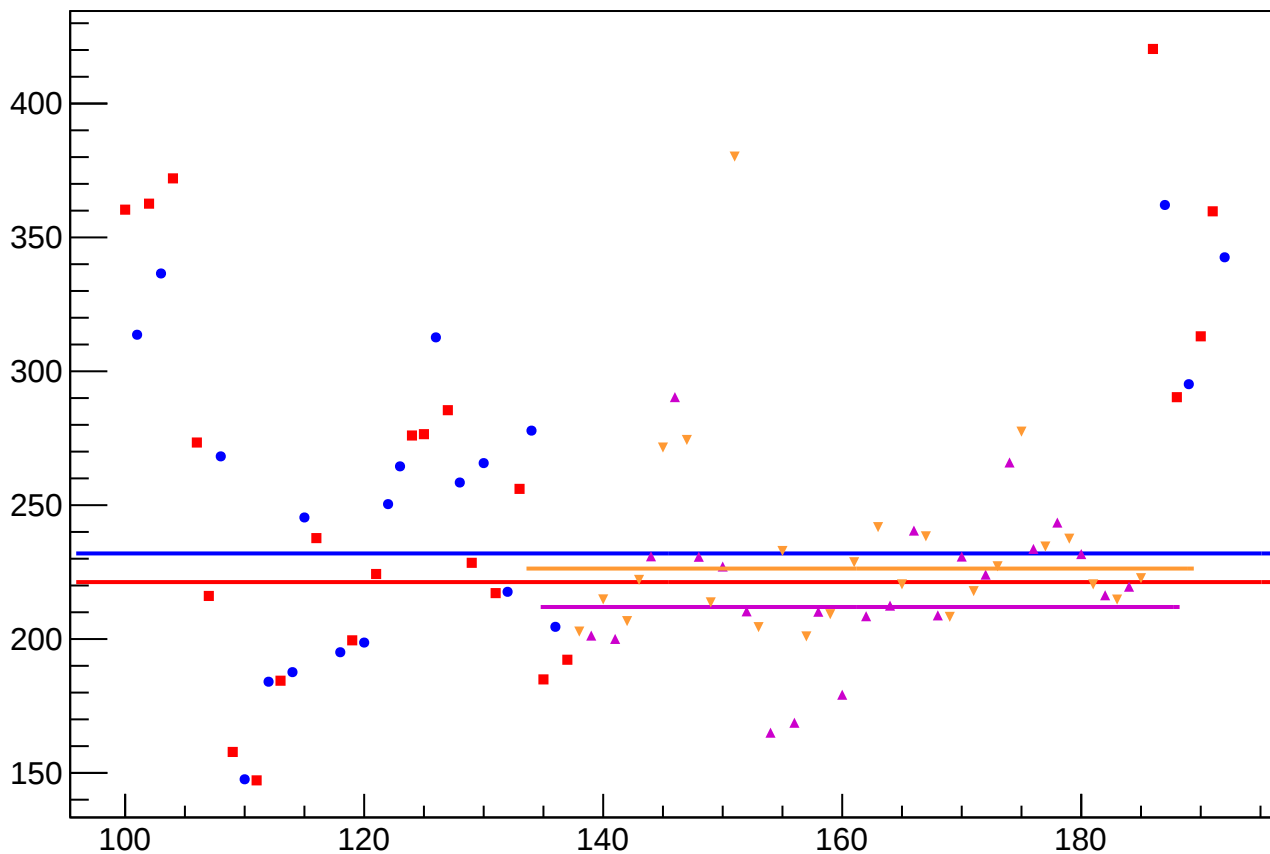
Left In: 374.122+/-52.049 χ^2/NDF :1801.0/22

+ sign -64.838+/-45.182 χ^2/NDF : 2232.8/44

All: 25.163+/-31.234 χ^2/NDF : 7255.5/90

- sign 107.545+/-43.227 χ^2/NDF : 5015.1/45

asym_bpm0i07WS_rms vs Slug



Right In: 231.969 ± 0.060 $\chi^2/\text{NDF}: 945257.7/19$

Left Out: 226.322 ± 0.038 $\chi^2/\text{NDF}: 521041.8/24$

Right Out: 221.272 ± 0.055 $\chi^2/\text{NDF}: 1327158.5/22$

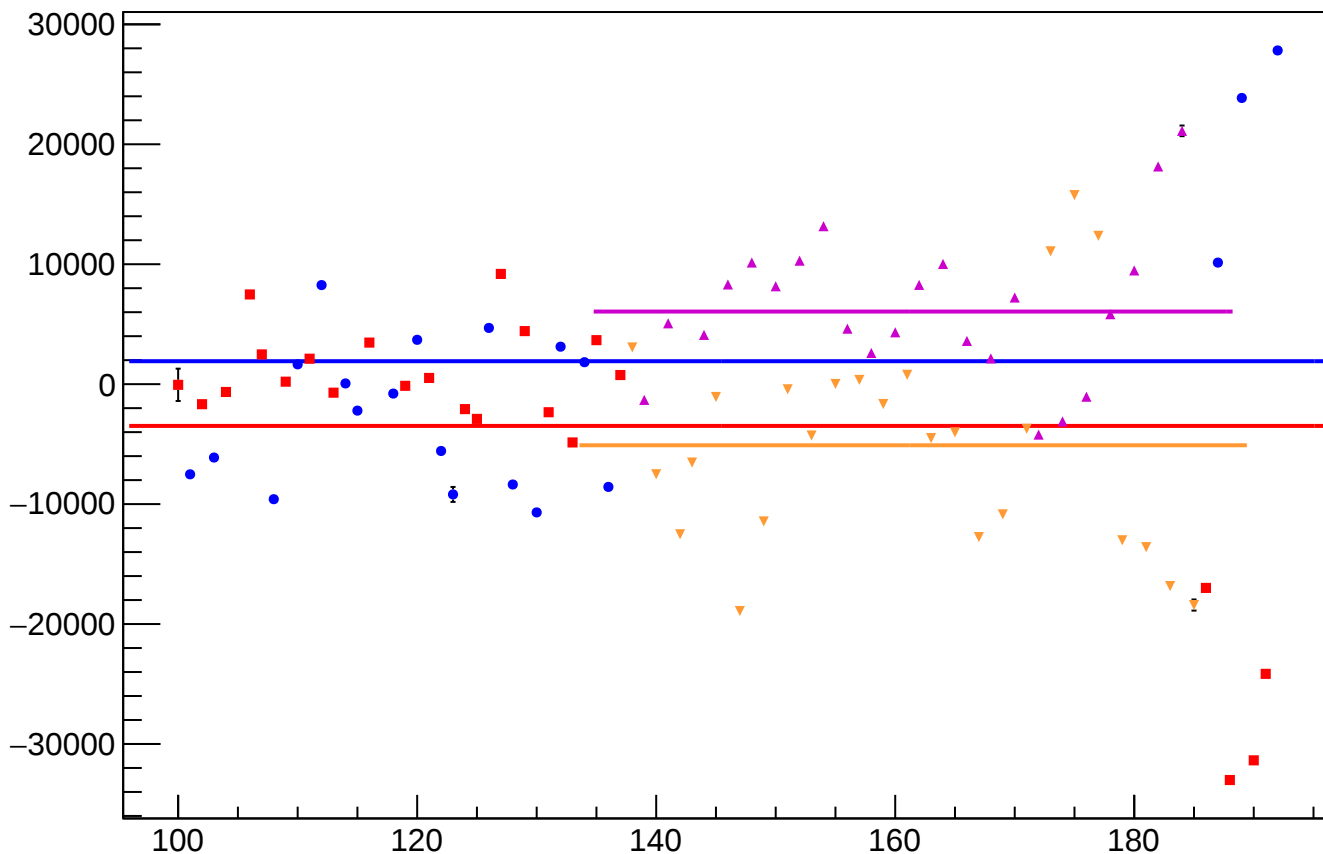
Left In: 211.970 ± 0.037 $\chi^2/\text{NDF}: 584344.5/22$

+ sign 227.950 ± 0.032 $\chi^2/\text{NDF}: 1472710.3/44$

All: 221.114 ± 0.022 $\chi^2/\text{NDF}: 3491724.9/90$

- sign 214.856 ± 0.031 $\chi^2/\text{NDF}: 1931320.8/45$

asym_bpm1i02WS_mean vs Slug



Right In: 1914.132 ± 43.764 $\chi^2/\text{NDF}: 66286.8/19$

Left Out: -5095.305 ± 33.703 $\chi^2/\text{NDF}: 54395.4/24$

Right Out: -3481.337 ± 41.177 $\chi^2/\text{NDF}: 79485.4/22$

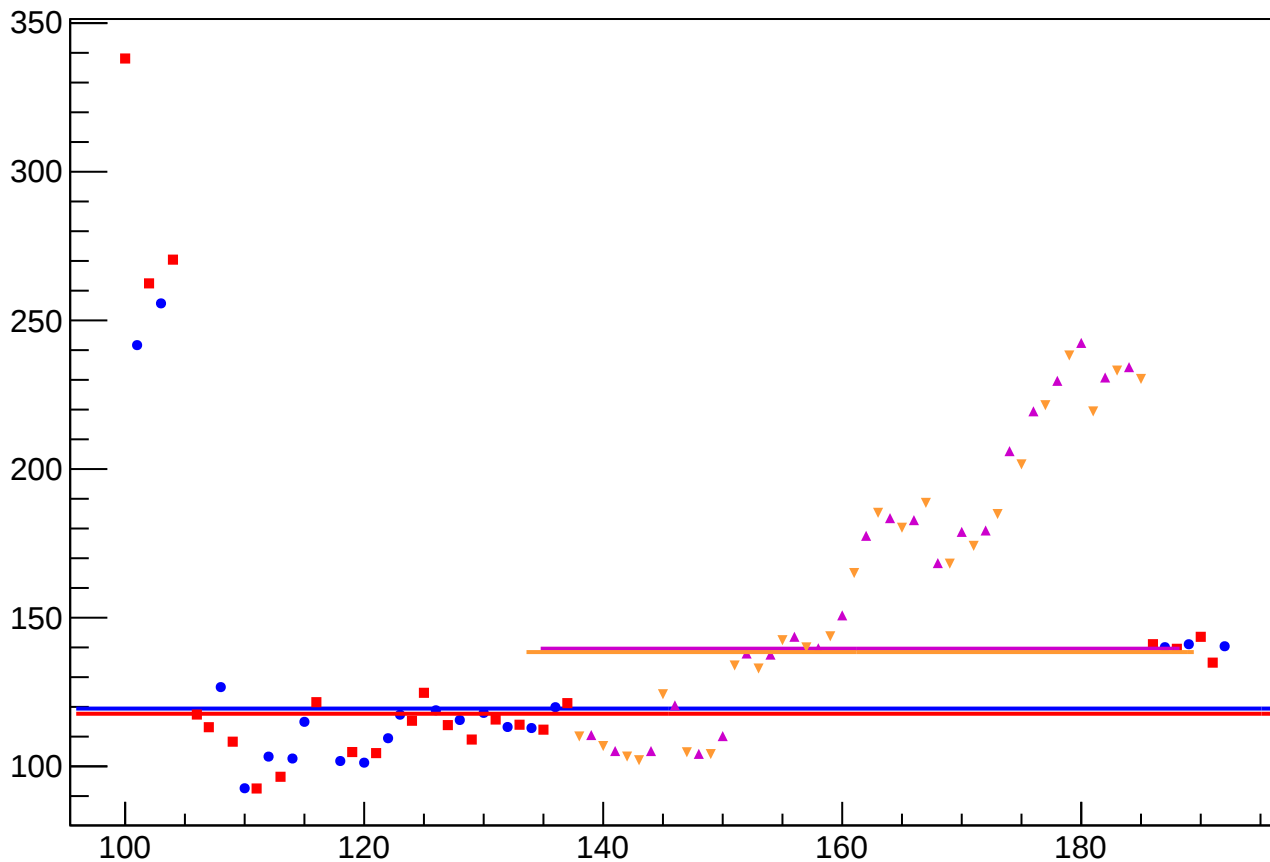
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -2485.785 ± 26.703 $\chi^2/\text{NDF}: 136784.7/44$

All: -212.610 ± 18.869 $\chi^2/\text{NDF}: 279465.4/90$

- sign 2054.540 ± 26.667 $\chi^2/\text{NDF}: 128206.0/45$

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: 117.693+/-0.029 χ^2/NDF : 908504.4/22

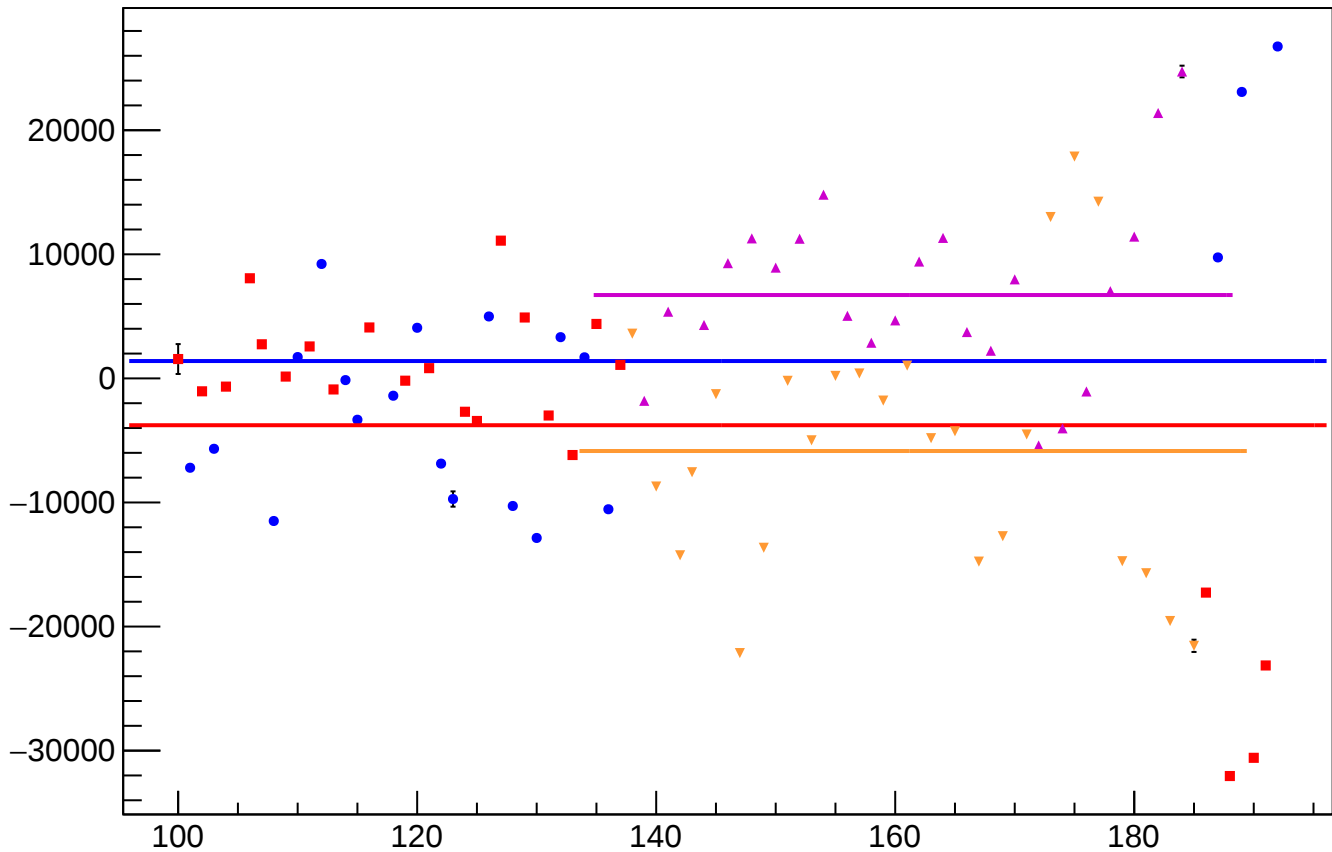
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 131.362+/-0.019 χ^2/NDF : 3610721.8/44

All: 130.880+/-0.013 χ^2/NDF : 7262175.5/90

- sign 130.399+/-0.019 χ^2/NDF : 3650152.7/45

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

Right Out: -3774.129 $\pm$ 41.979 χ^2 /NDF: 82060.2/22

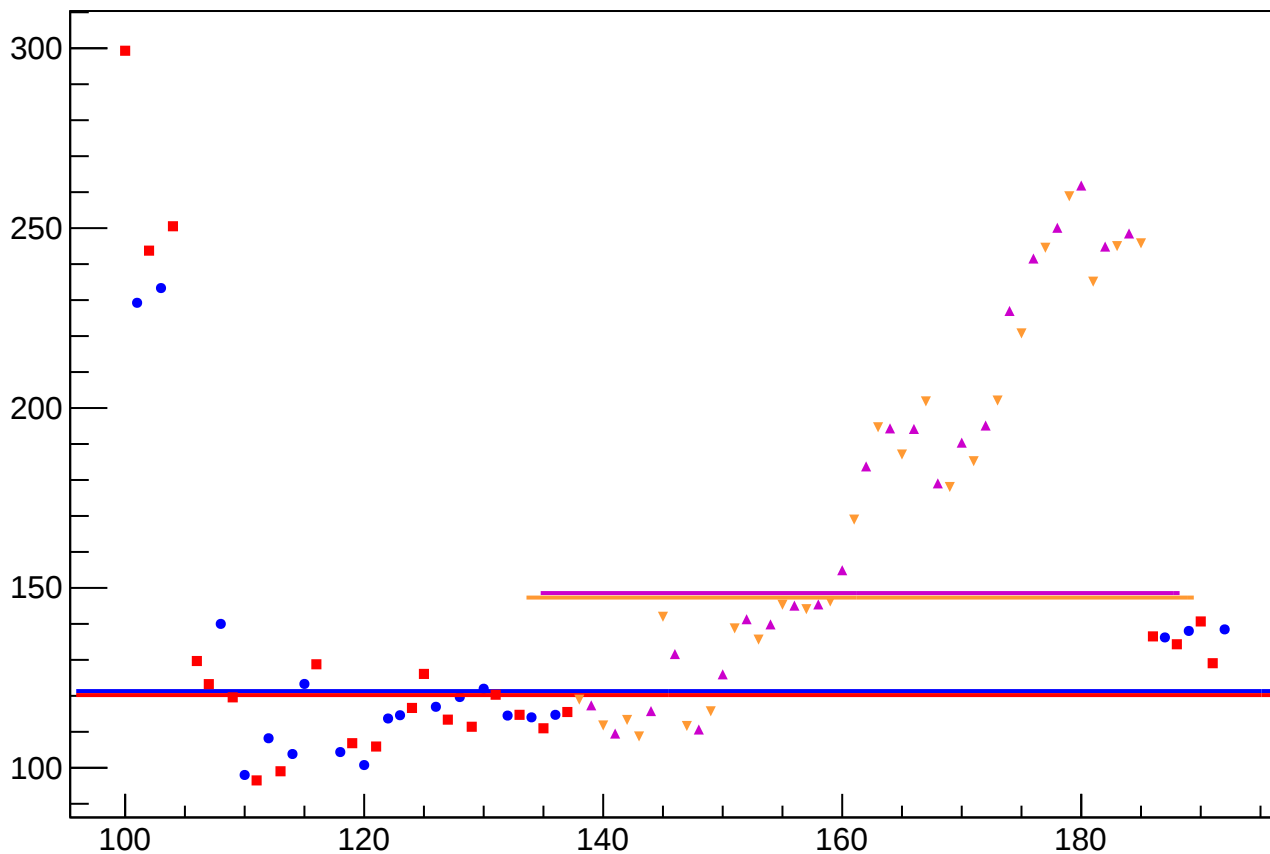
Left In: 6718.475 $\pm$ 37.276 χ^2 /NDF: 20934.3/22

+ sign -2987.099 $\pm$ 27.904 χ^2 /NDF: 150830.2/44

All: -444.377 $\pm$ 19.720 χ^2 /NDF: 305345.0/90

- sign 2092.665 $\pm$ 27.873 χ^2 /NDF: 137926.4/45

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: 120.212+/-0.030 χ^2/NDF : 746747.5/22

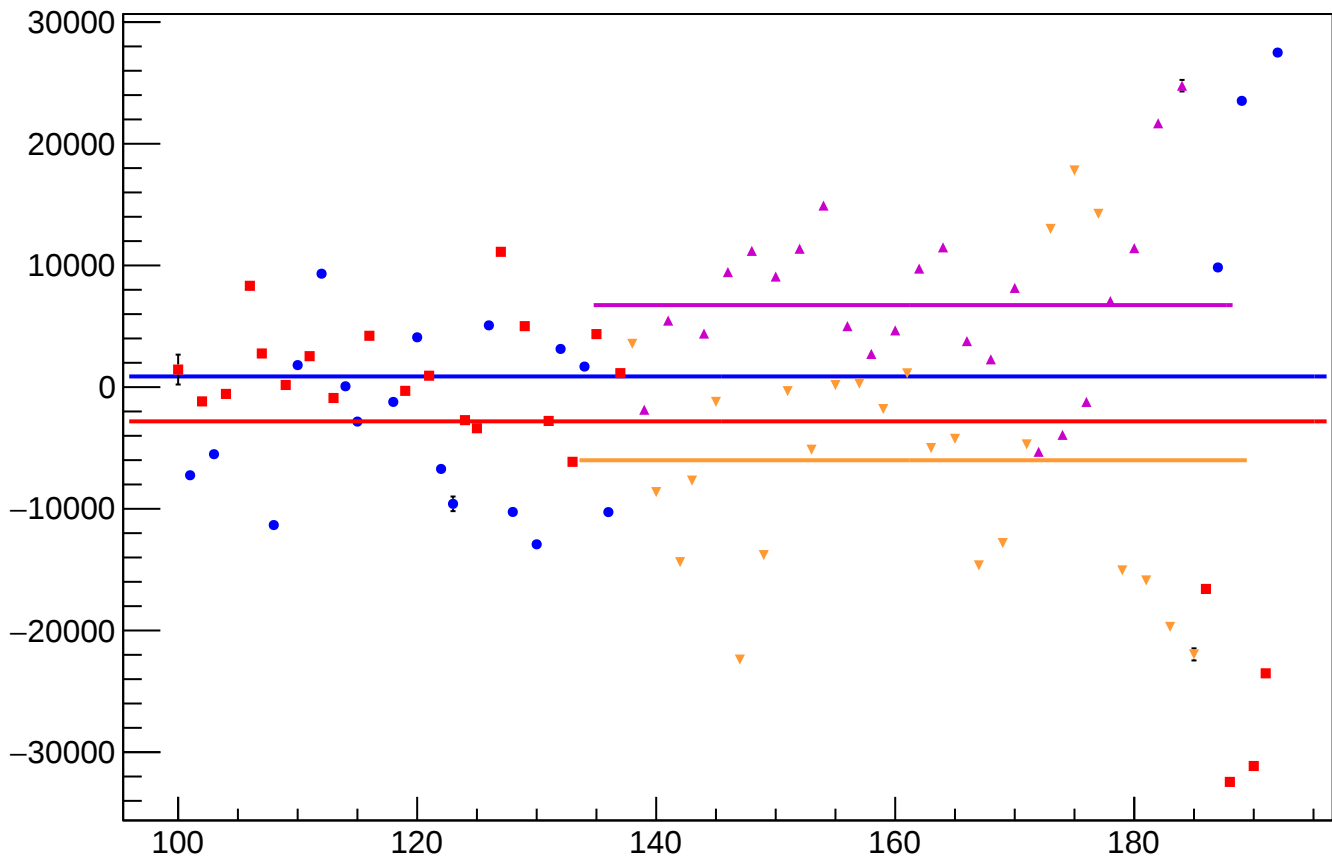
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 137.046+/-0.020 χ^2/NDF : 3616348.1/44

All: 136.556+/-0.014 χ^2/NDF : 7267786.1/90

- sign 136.067+/-0.020 χ^2/NDF : 3650206.7/45

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: -2813.357 ± 41.018 χ^2/NDF : 75777.8/22

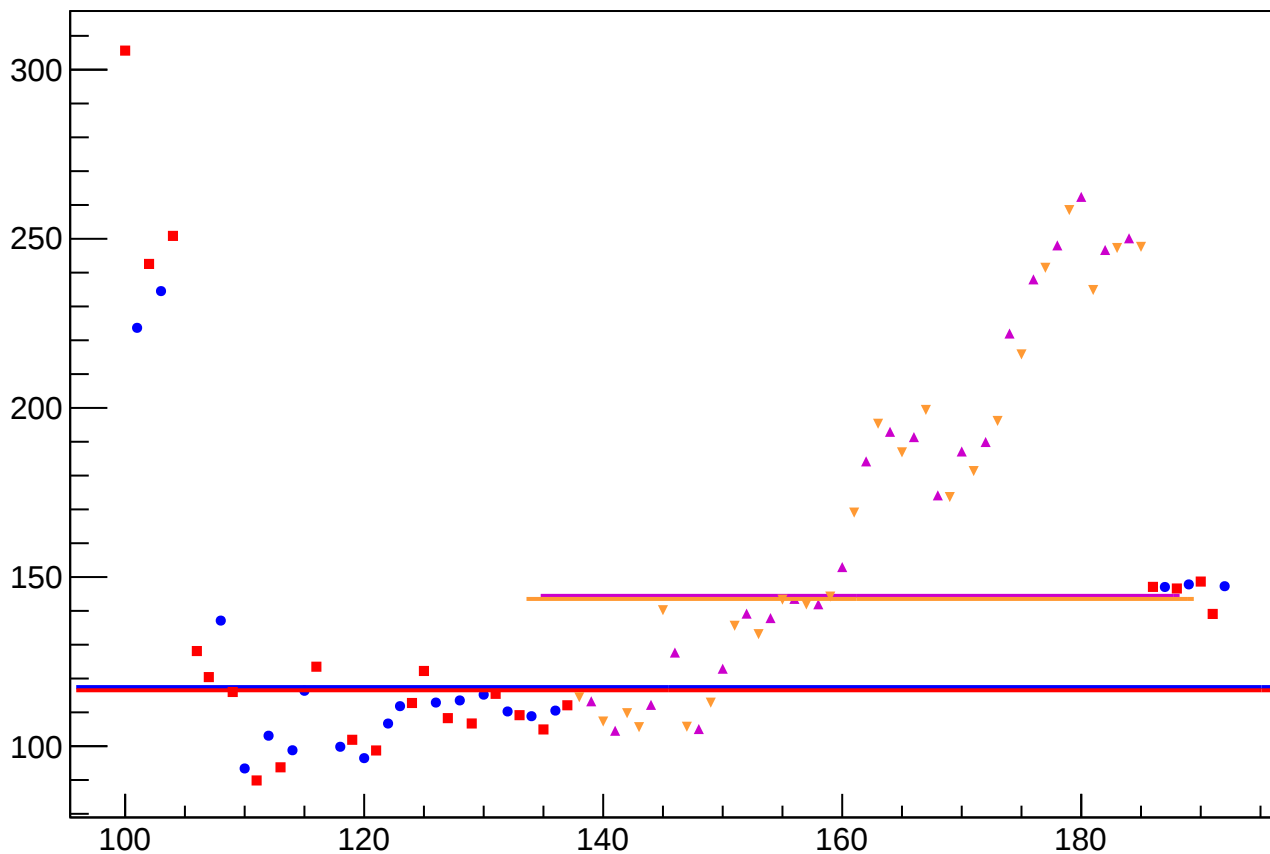
Left In: 6740.666 ± 36.379 χ^2/NDF : 22071.8/22

+ sign -3277.404 ± 27.251 χ^2/NDF : 152980.5/44

All: -368.019 ± 19.257 χ^2/NDF : 303965.6/90

- sign 2534.220 ± 27.217 χ^2/NDF : 128215.8/45

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: 116.525 $\pm$ 0.029 χ^2 /NDF: 943279.1/22

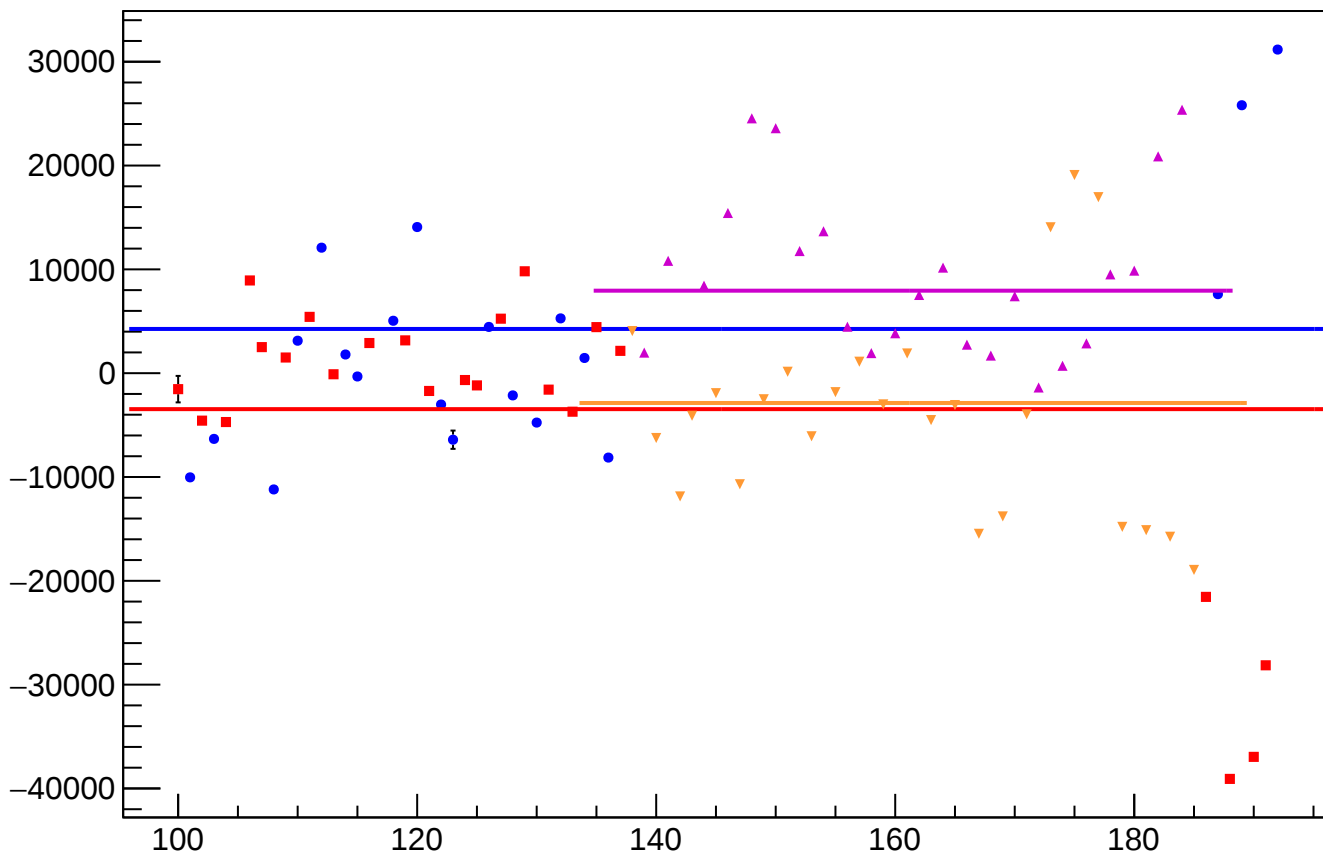
Left In: 144.440 $\pm$ 0.026 χ^2 /NDF: 2586926.1/22

+ sign 133.193 $\pm$ 0.019 χ^2 /NDF: 3967898.3/44

All: 132.670 $\pm$ 0.014 χ^2 /NDF: 8018041.6/90

- sign 132.149 $\pm$ 0.019 χ^2 /NDF: 4048674.9/45

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: -3463.420+/-49.550 χ^2/NDF : 75457.5/22

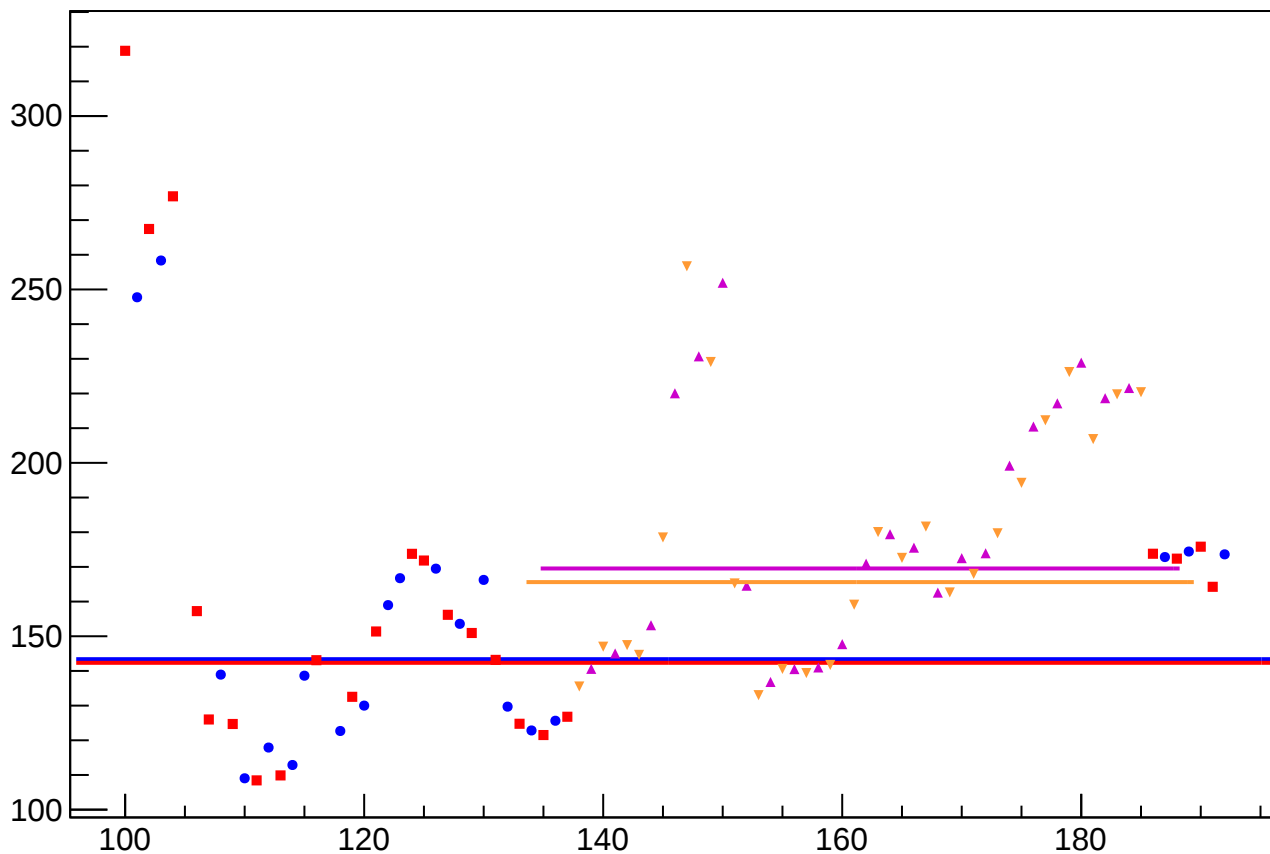
Left In: 7947.160+/-41.726 χ^2/NDF : 23874.5/22

+ sign -272.578+/-31.480 χ^2/NDF : 109730.3/44

All: 1446.131+/-22.412 χ^2/NDF : 246135.2/90

- sign 3212.909+/-31.917 χ^2/NDF : 130359.8/45

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: 142.342+/-0.035 χ^2/NDF : 884755.7/22

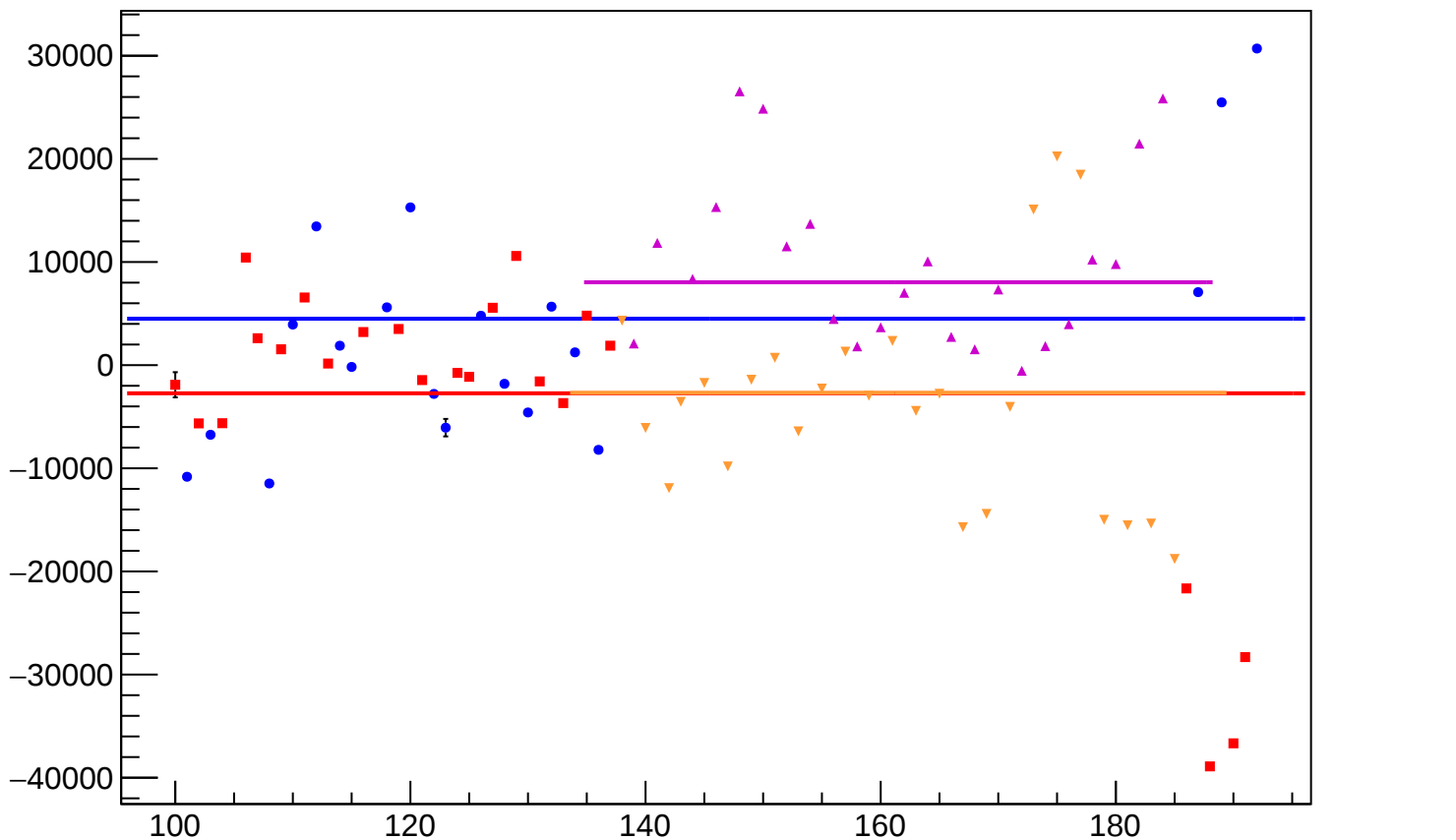
Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

+ sign 157.519+/-0.022 χ^2/NDF : 2151566.5/44

All: 157.883+/-0.016 χ^2/NDF : 4548709.9/90

- sign 158.257+/-0.023 χ^2/NDF : 2396602.0/45

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

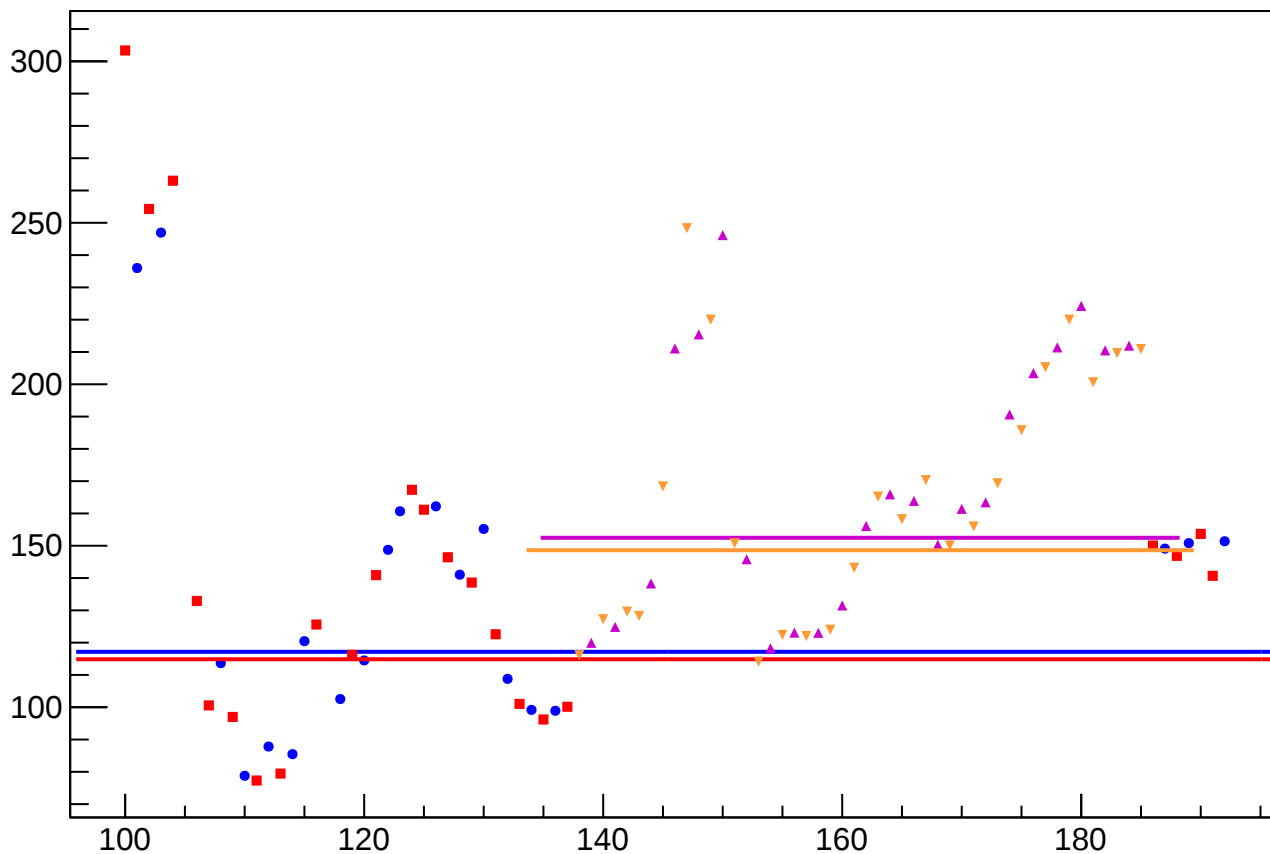
Right Out: -2728.502+/-40.965 χ^2/NDF : 106400.7/22

All: 1629.976+/-19.614 χ^2/NDF : 322689.9/90

- sign 3068.503+/-27.830 χ^2/NDF : 172850.0/45

Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

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: 114.856 $\pm$ 0.029 χ^2 /NDF: 1481184.6/22

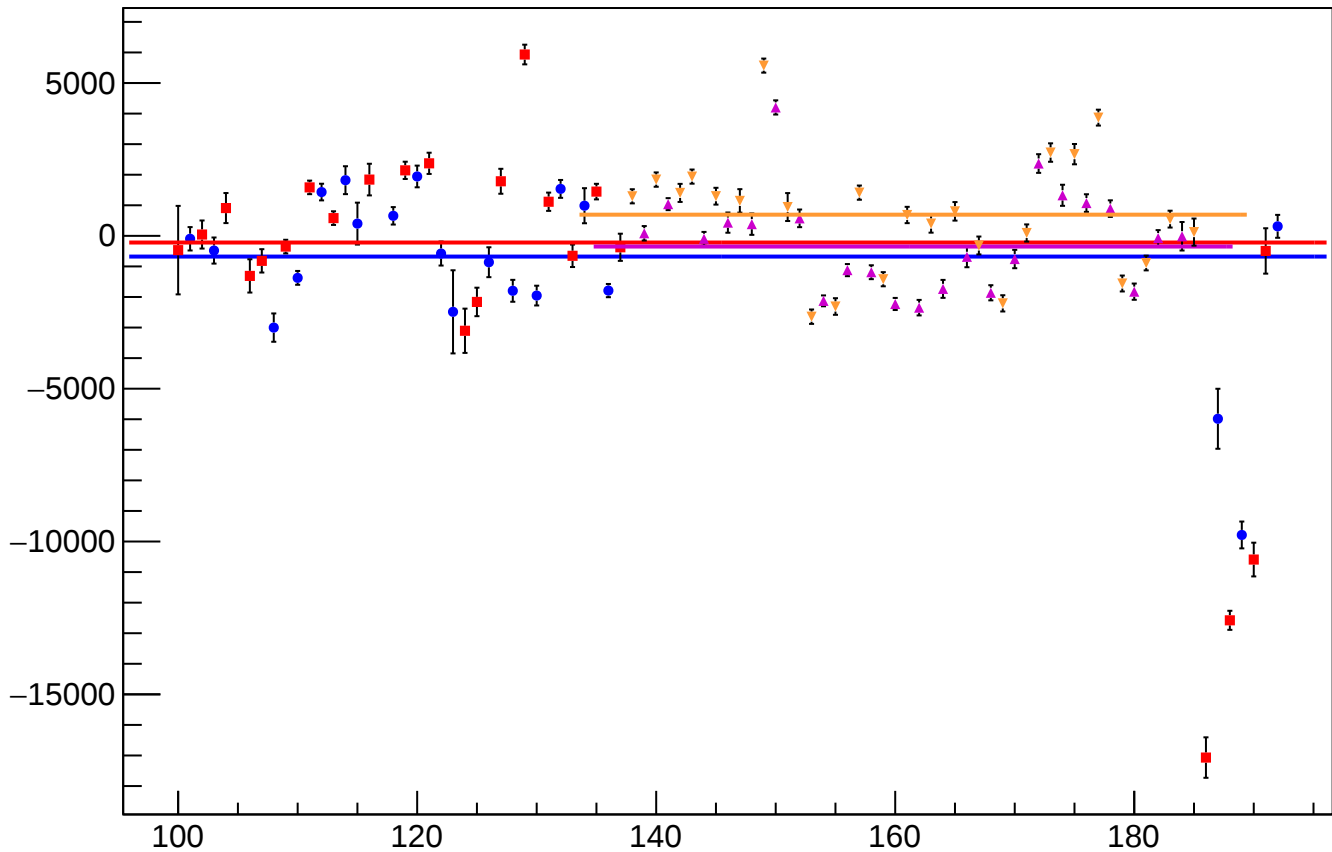
Left In: 152.463 $\pm$ 0.027 χ^2 /NDF: 1691517.7/22

+ sign 135.956 $\pm$ 0.020 χ^2 /NDF: 3606305.7/44

All: 135.535 $\pm$ 0.014 χ^2 /NDF: 7687586.5/90

- sign 135.107 $\pm$ 0.020 χ^2 /NDF: 4080343.9/45

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: -218.132 ± 73.819 χ^2/NDF : 3292.5/22

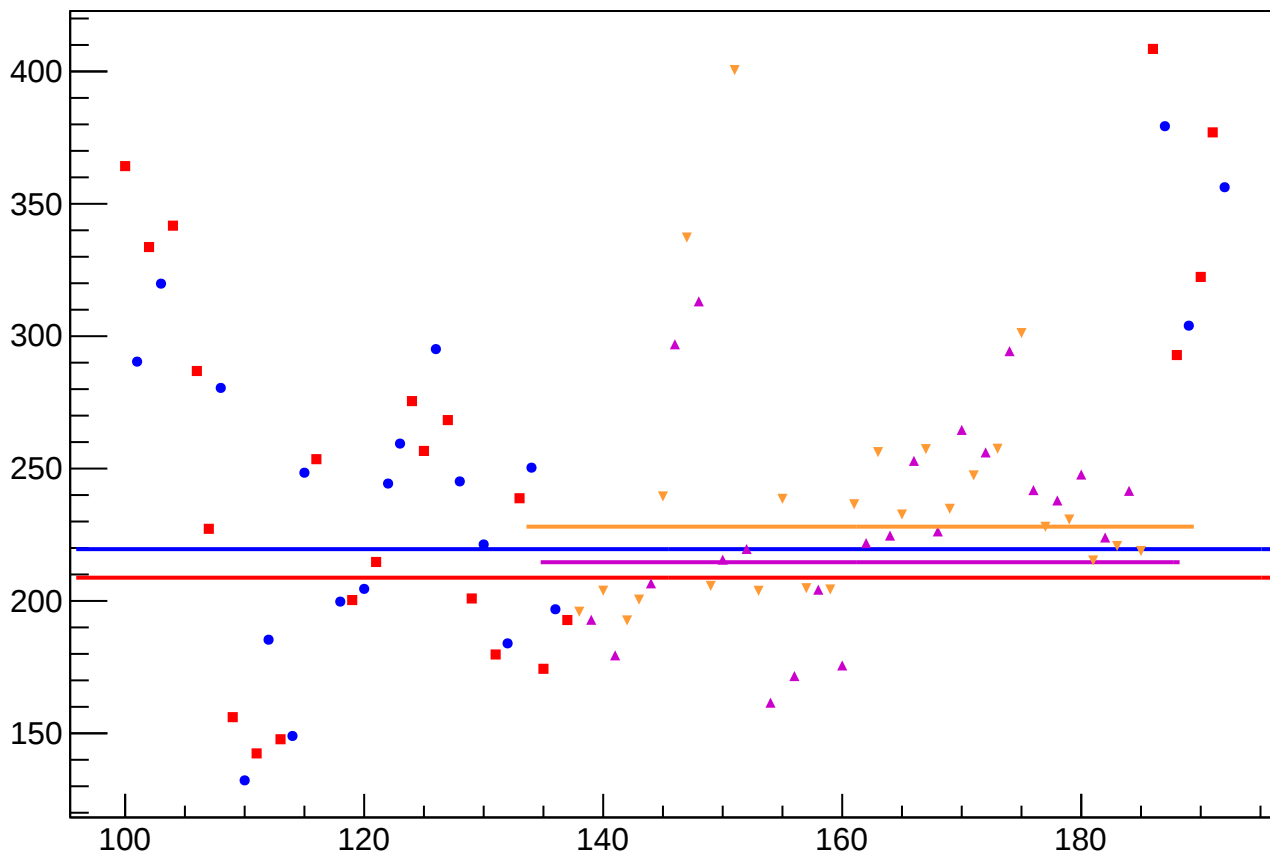
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 262.996 ± 44.986 χ^2/NDF : 2413.8/44

All: -33.030 ± 31.123 χ^2/NDF : 6772.4/90

- sign -304.792 ± 43.103 χ^2/NDF : 4275.5/45

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: 208.787 $\pm$ 0.052 χ^2 /NDF: 1488703.3/22

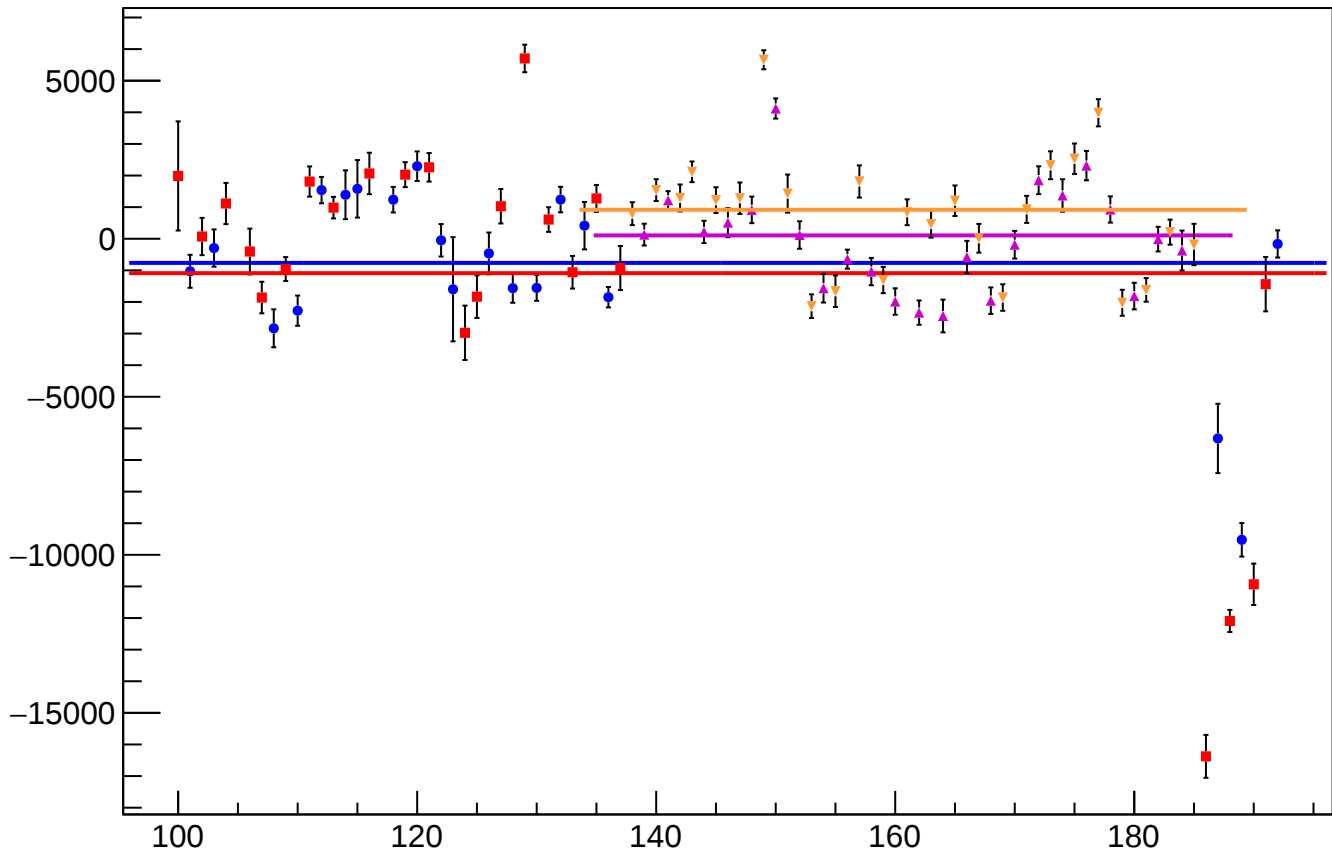
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF: 1025683.3/22

+ sign 225.395 $\pm$ 0.032 χ^2 /NDF: 1966917.0/44

All: 218.743 $\pm$ 0.022 χ^2 /NDF: 4573430.3/90

- sign 212.636 $\pm$ 0.030 χ^2 /NDF: 2522635.0/45

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: -1088.763 ± 105.899 $\chi^2/\text{NDF}: 2269.7/22$

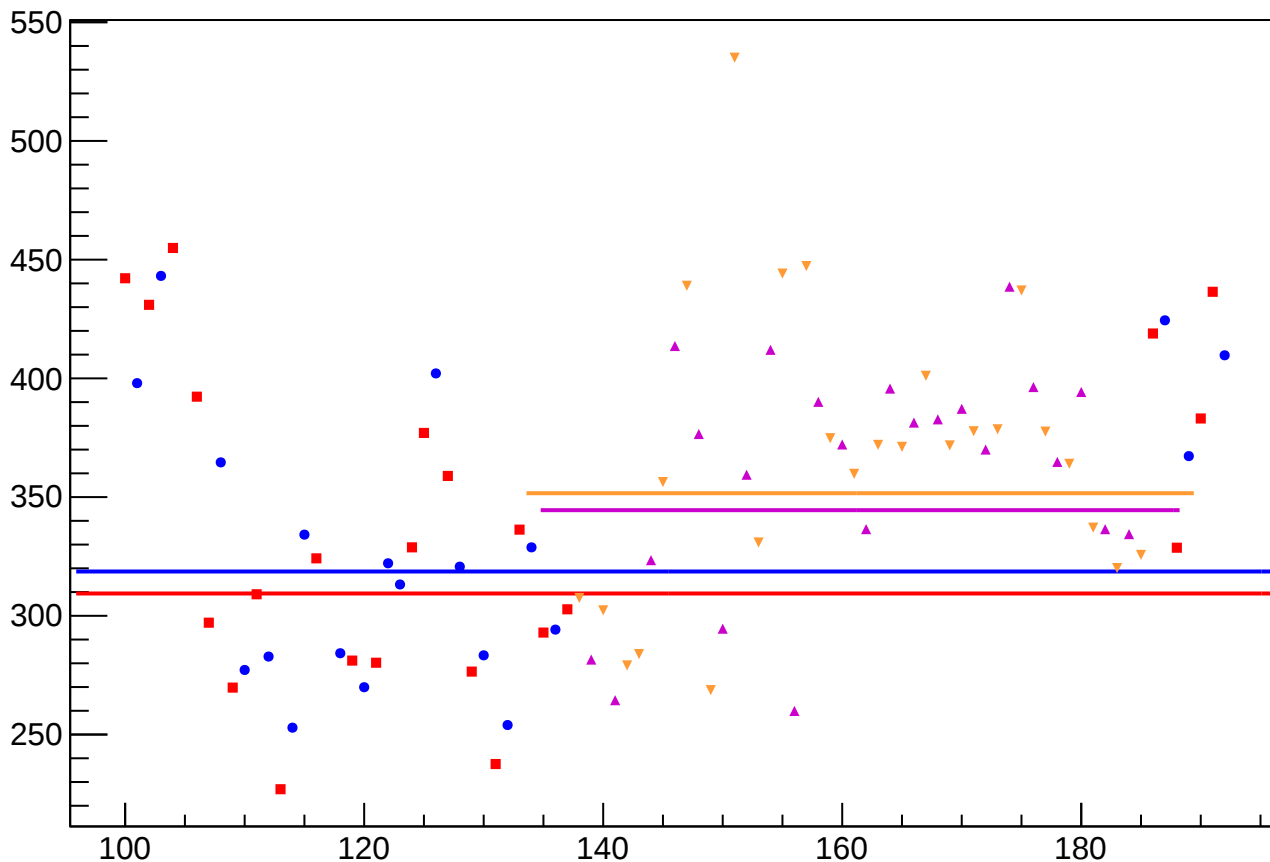
Left In: 106.116 ± 84.393 $\chi^2/\text{NDF}: 390.3/22$

+ sign 327.978 ± 67.234 $\chi^2/\text{NDF}: 1243.2/44$

All: -21.367 ± 47.099 $\chi^2/\text{NDF}: 4034.0/90$

- sign -357.989 ± 65.999 $\chi^2/\text{NDF}: 2737.8/45$

asym_bpm0l02WS_rms vs Slug



Right In: 318.665 ± 0.080 $\chi^2/\text{NDF}: 462899.9/19$

Left Out: 351.633 ± 0.059 $\chi^2/\text{NDF}: 907849.3/24$

Right Out: 309.401 ± 0.075 $\chi^2/\text{NDF}: 635164.6/22$

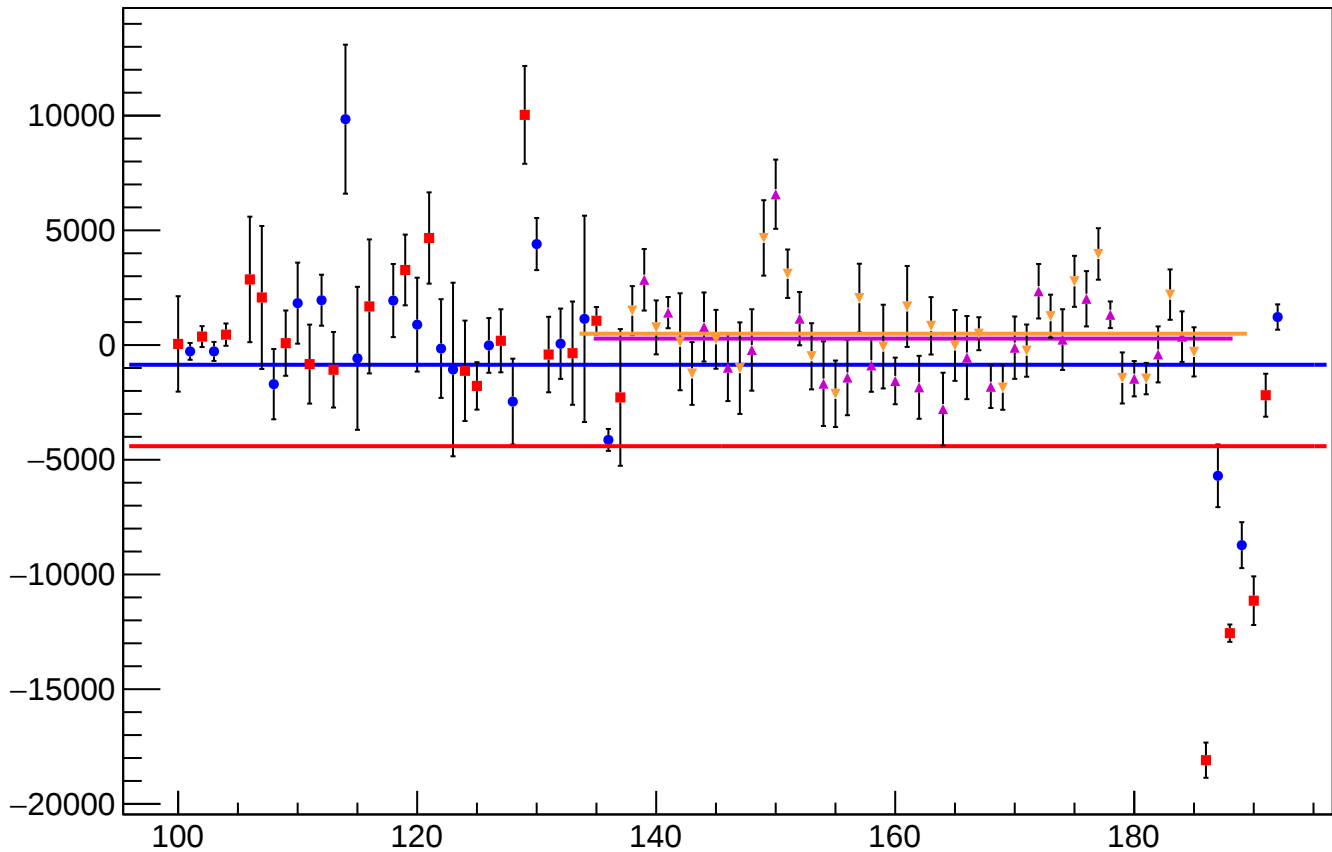
Left In: 344.491 ± 0.060 $\chi^2/\text{NDF}: 768885.4/22$

+ sign 340.092 ± 0.048 $\chi^2/\text{NDF}: 1480156.1/44$

All: 335.391 ± 0.033 $\chi^2/\text{NDF}: 3037702.8/90$

- sign 330.861 ± 0.047 $\chi^2/\text{NDF}: 1538348.9/45$

asym_bpm0l03WS_mean vs Slug



Right In: -859.142 ± 191.107 χ^2/NDF : 186.8/19

Left Out: 495.014 ± 231.058 χ^2/NDF : 56.2/24

Right Out: -4408.219 ± 190.345 χ^2/NDF : 1281.9/22

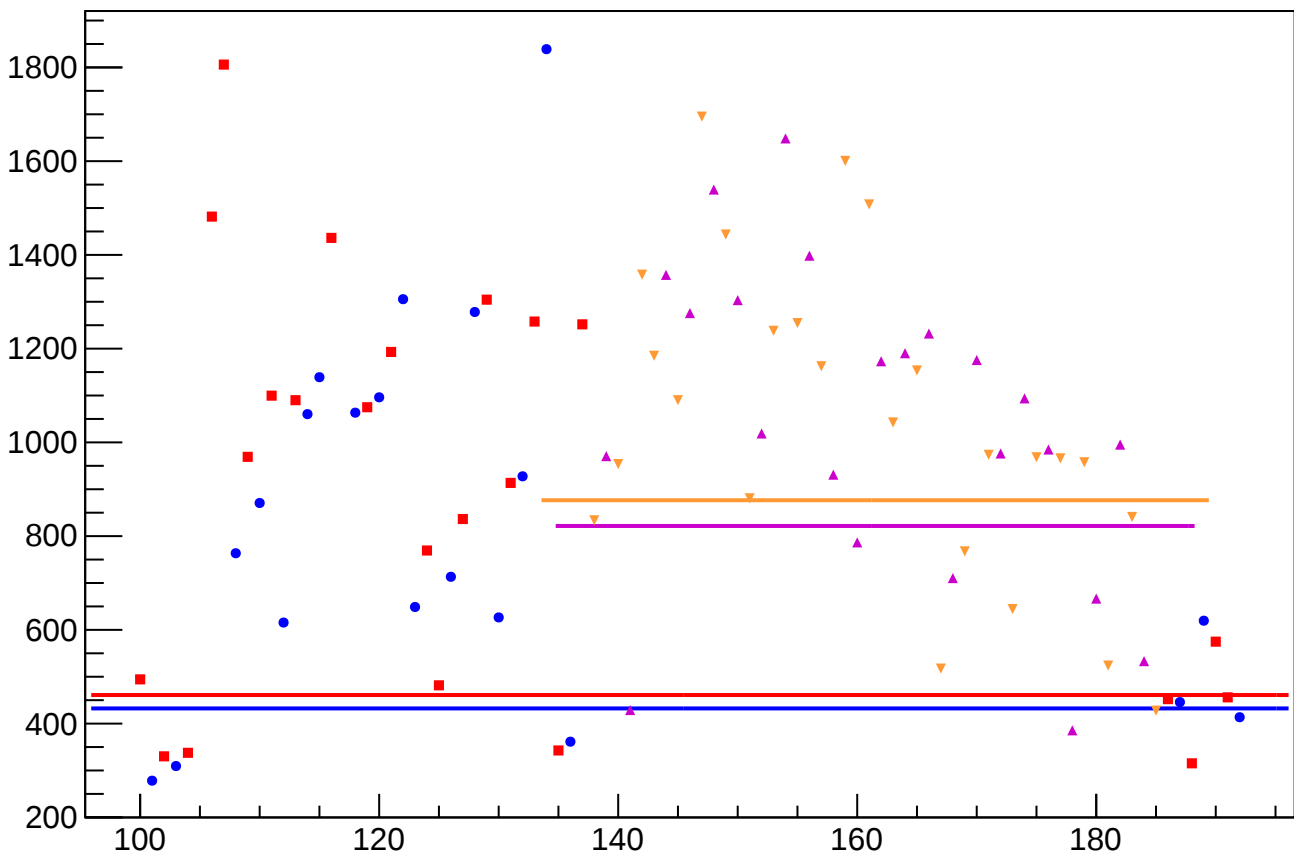
Left In: 280.692 ± 232.048 χ^2/NDF : 57.2/22

+ sign -309.074 ± 147.263 χ^2/NDF : 263.5/44

All: -1416.373 ± 104.097 χ^2/NDF : 1959.7/90

- sign -2522.225 ± 147.167 χ^2/NDF : 1583.2/45

asym_bpm0l03WS_rms vs Slug



Right In: 432.388 $\pm$ 0.135 χ^2 /NDF: 2936981.8/19

Left Out: 876.560 $\pm$ 0.163 χ^2 /NDF:3434698.7/24

Right Out: 460.985 $\pm$ 0.135 χ^2 /NDF: 4022907.3/22

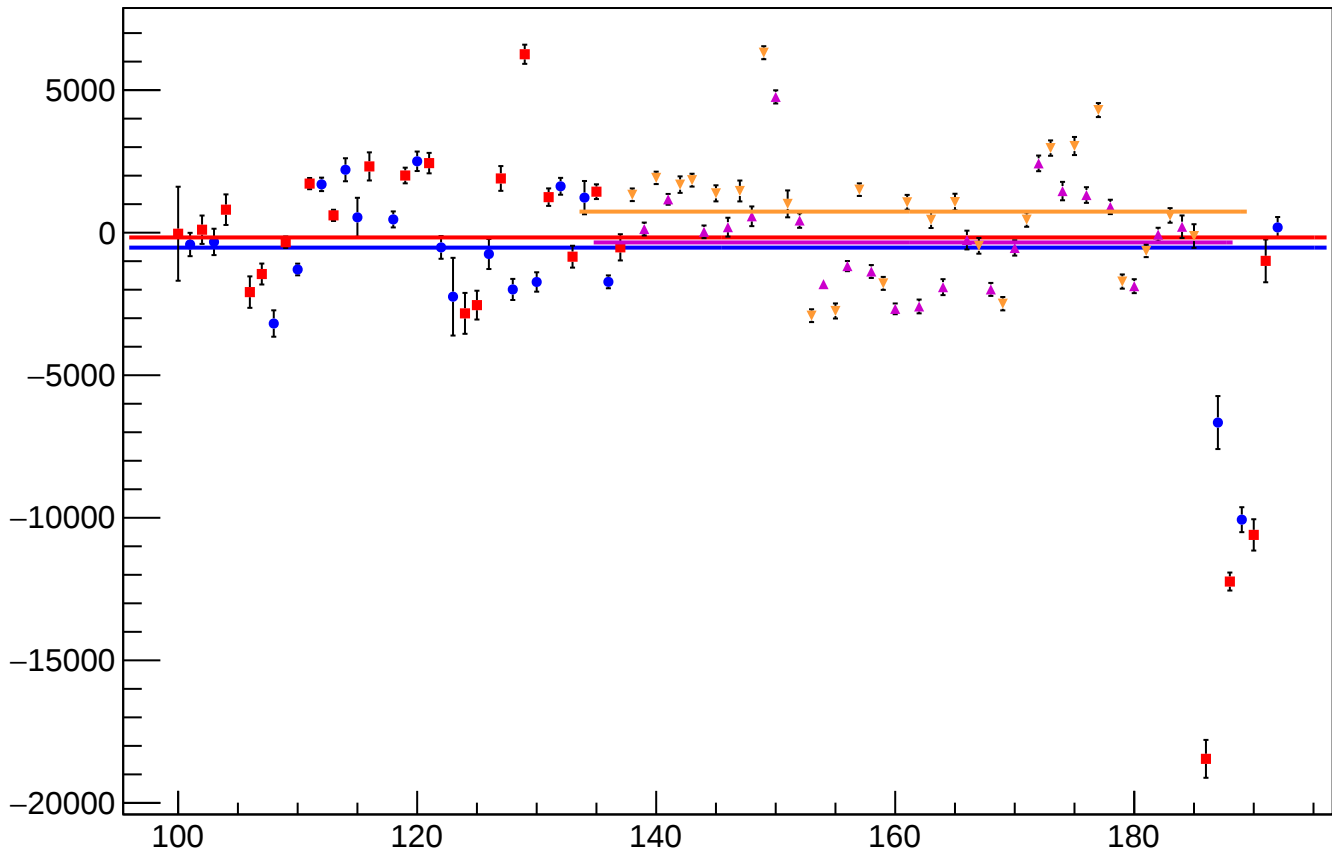
Left In: 821.657 $\pm$ 0.164 χ^2 /NDF:4443094.2/22

+ sign 612.814 $\pm$ 0.104 χ^2 /NDF: 10760275.2/44

All: 609.433 $\pm$ 0.074 χ^2 /NDF: 22116669.8/90

- sign 606.056 $\pm$ 0.104 χ^2 /NDF: 11354287.5/45

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: -166.968 ± 71.670 χ^2/NDF : 3345.7/22

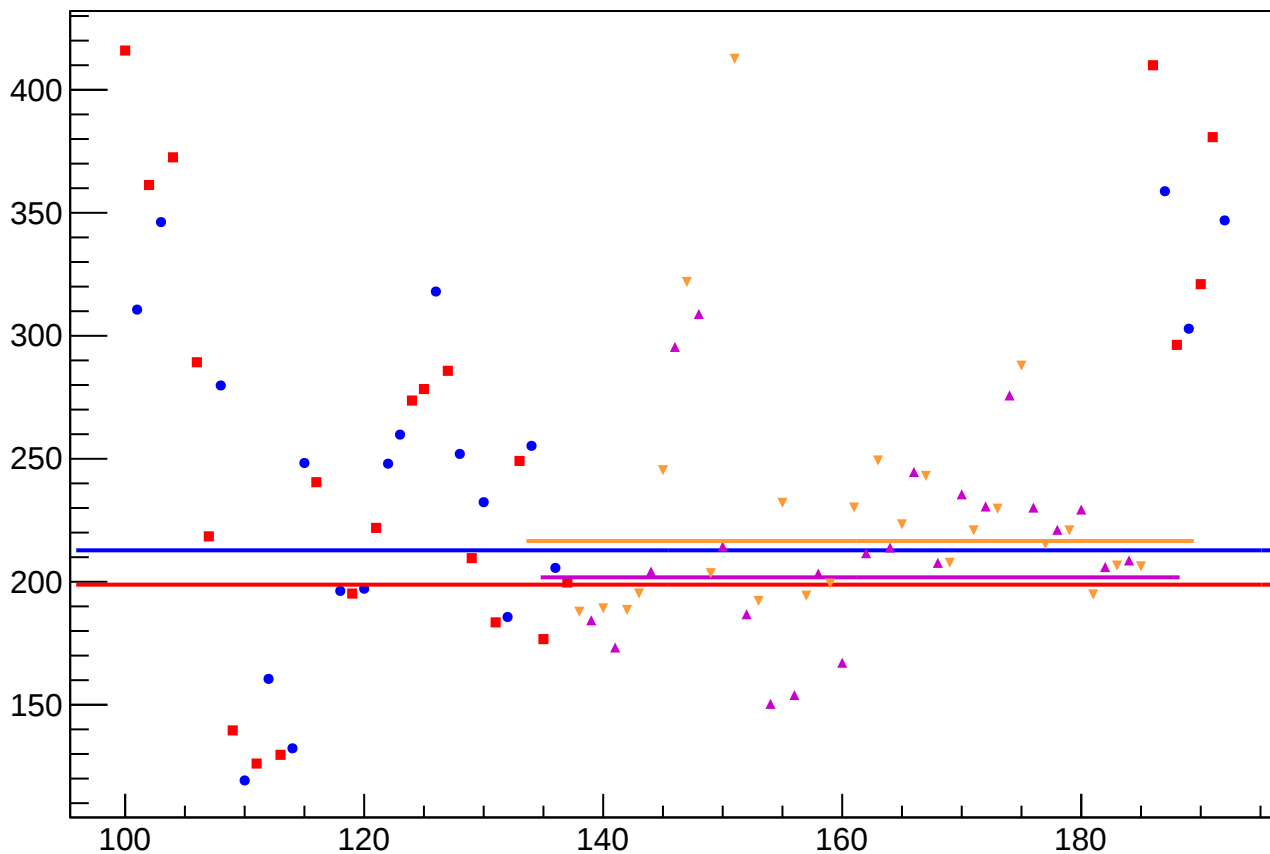
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 359.944 ± 43.213 χ^2/NDF : 3032.1/44

All: 20.813 ± 29.755 χ^2/NDF : 7753.8/90

- sign -284.945 ± 41.031 χ^2/NDF : 4604.7/45

asym_bpm0l04WS_rms vs Slug



Right In: 212.789 ± 0.056 χ^2/NDF : 1493478.7/19

Left Out: 216.574 ± 0.037 χ^2/NDF : 886214.1/24

Right Out: 198.841 ± 0.051 χ^2/NDF : 2051221.9/22

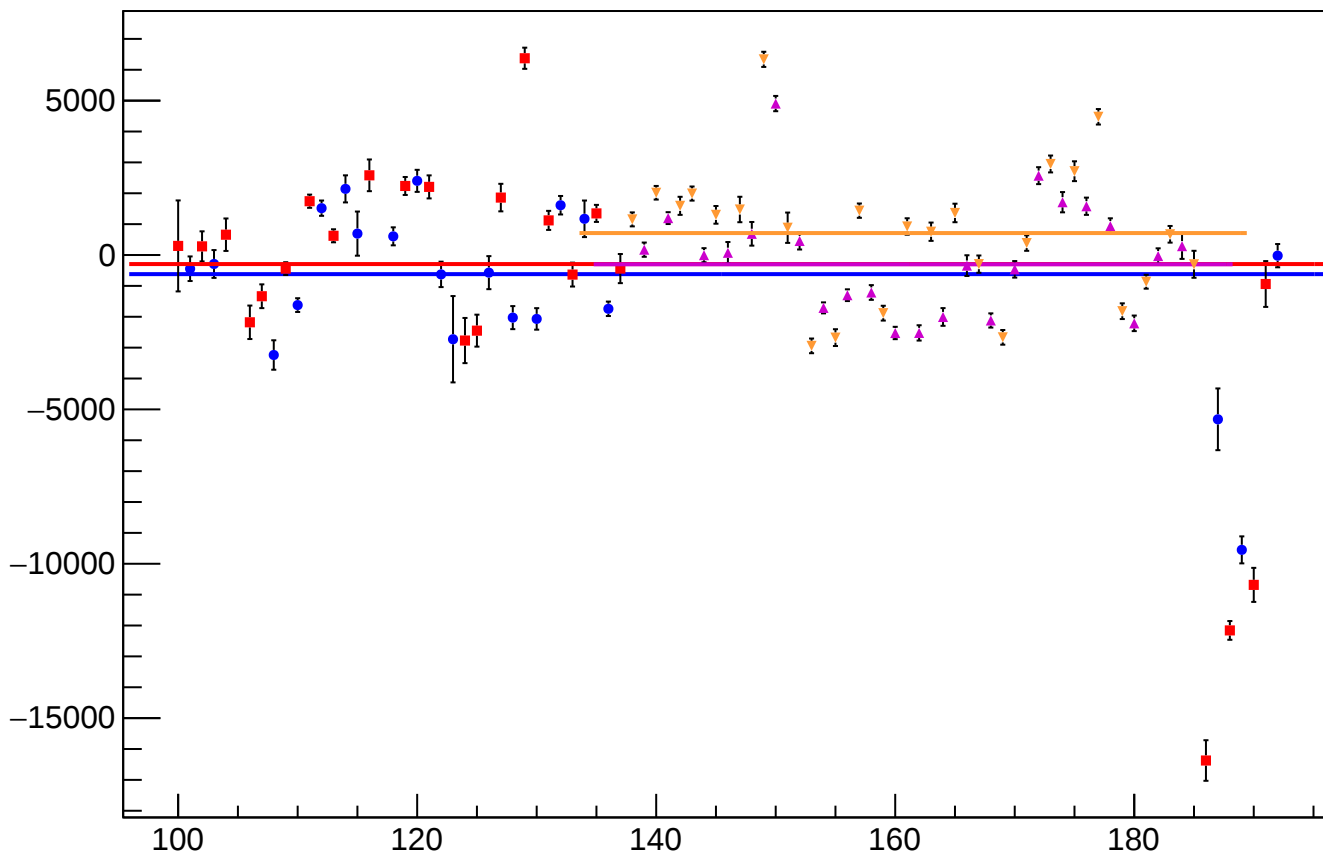
Left In: 201.805 ± 0.035 χ^2/NDF : 1087243.4/22

+ sign 215.439 ± 0.031 χ^2/NDF : 2382914.6/44

All: 207.758 ± 0.021 χ^2/NDF : 5643822.3/90

- sign 200.834 ± 0.029 χ^2/NDF : 3140765.9/45

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: -293.039 ± 74.336 χ^2/NDF : 3255.5/22

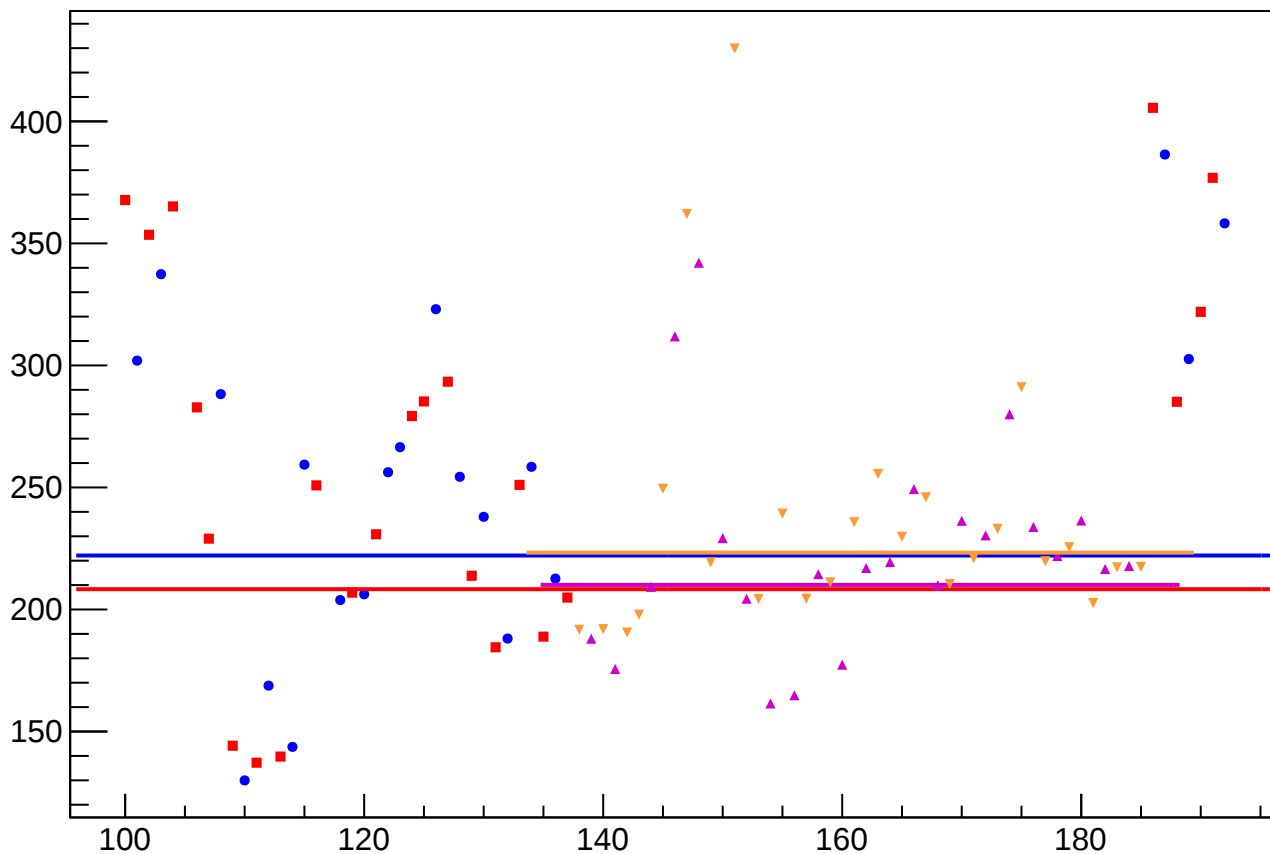
Left In: -300.516 ± 51.984 χ^2/NDF : 1208.6/22

+ sign 314.871 ± 44.615 χ^2/NDF : 2842.0/44

All: -5.745 ± 30.811 χ^2/NDF : 7404.8/90

- sign -298.061 ± 42.601 χ^2/NDF : 4464.1/45

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: 208.322 ± 0.053 $\chi^2/\text{NDF}: 1745462.8/22$

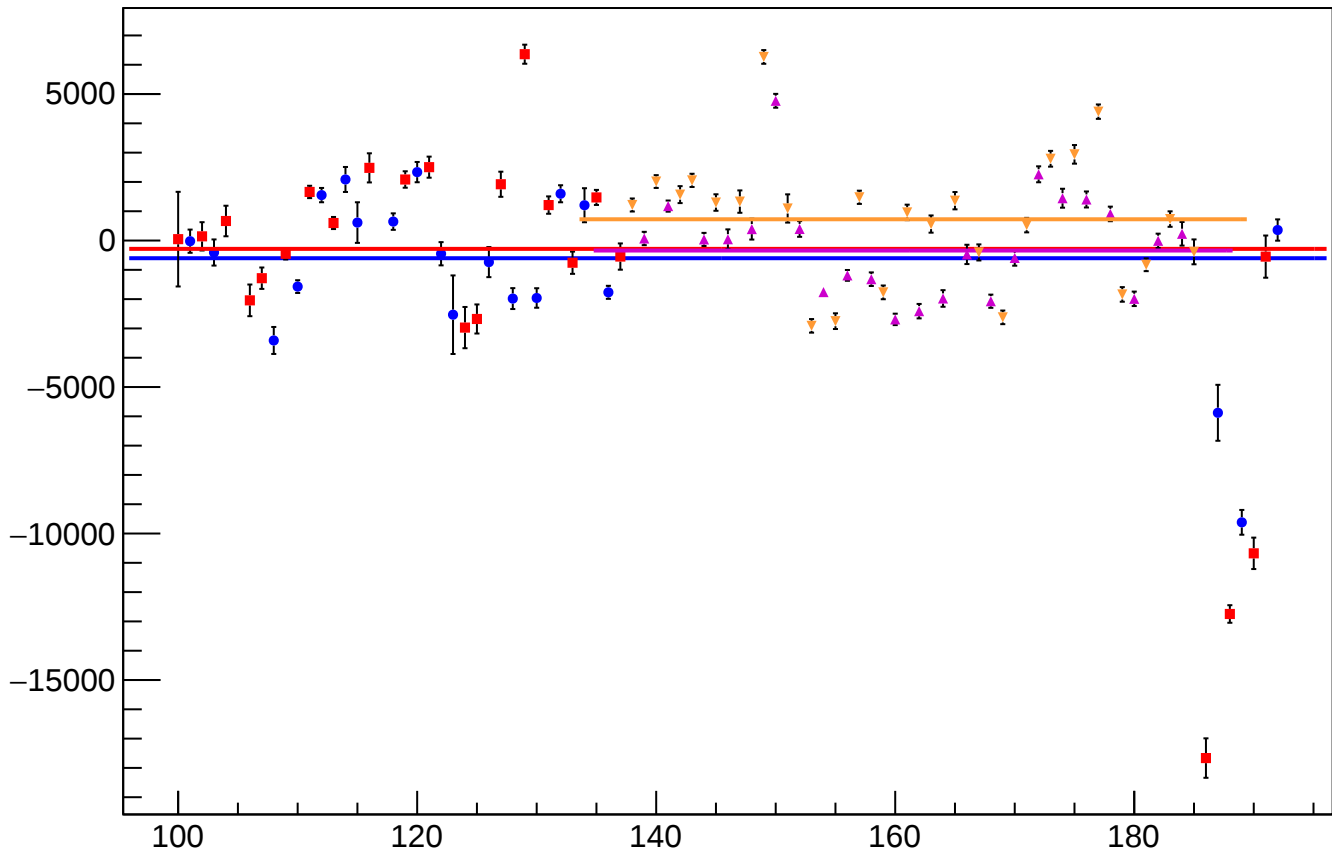
Left In: 210.080 ± 0.037 $\chi^2/\text{NDF}: 1015274.5/22$

+ sign 222.944 ± 0.032 $\chi^2/\text{NDF}: 2213882.3/44$

All: 215.913 ± 0.022 $\chi^2/\text{NDF}: 5070320.8/90$

- sign 209.503 ± 0.030 $\chi^2/\text{NDF}: 2761488.3/45$

asym_bpm0l06WS_mean vs Slug



Right In: -603.410 ± 79.199 χ^2/NDF : 891.6/19

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: -284.258 ± 71.741 χ^2/NDF : 3610.6/22

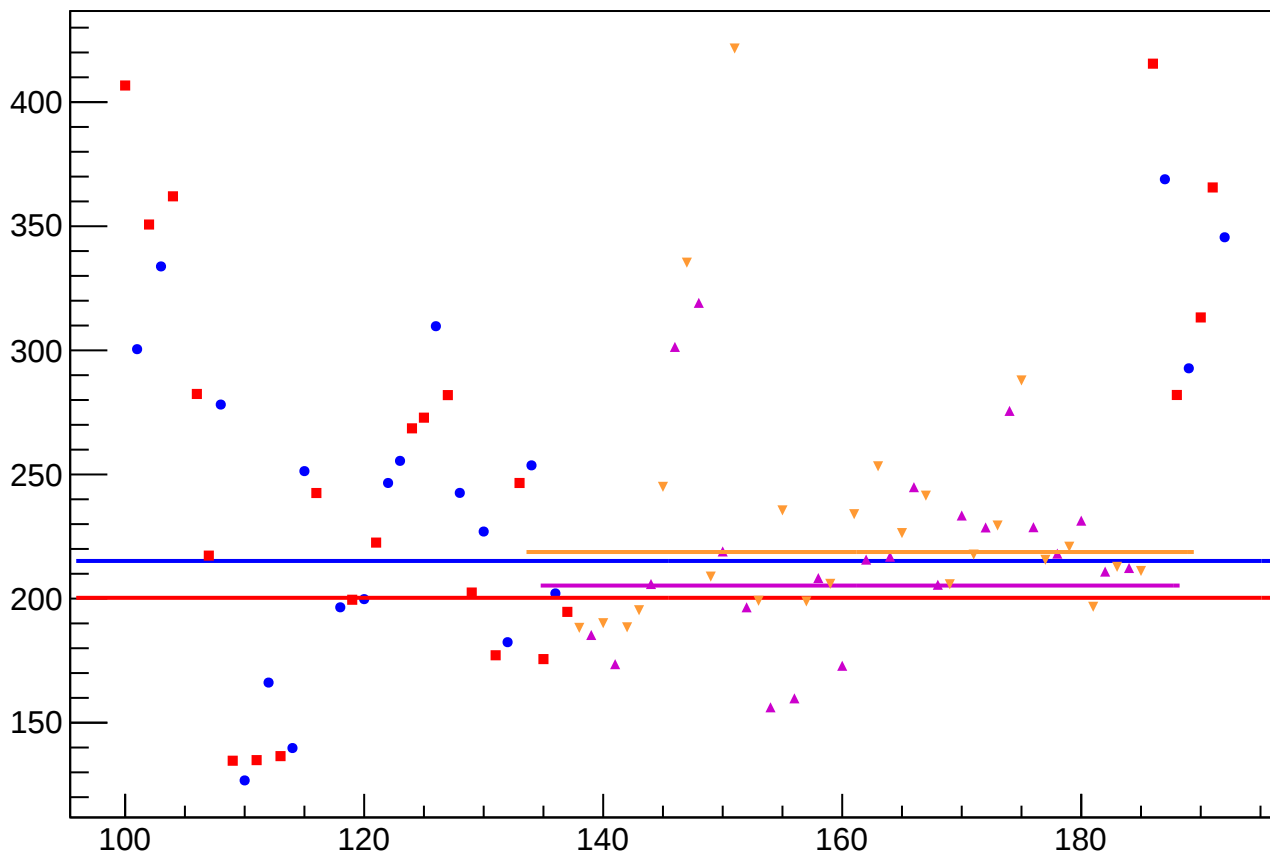
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 323.743 ± 43.560 χ^2/NDF : 3000.8/44

All: -14.924 ± 30.032 χ^2/NDF : 7928.8/90

- sign -321.718 ± 41.460 χ^2/NDF : 4812.8/45

asym_bpm0l06WS_rms vs Slug



Right In: 215.161 ± 0.056 χ^2/NDF : 1277544.6/19

Left Out: 218.768 ± 0.037 χ^2/NDF : 896914.5/24

Right Out: 200.311 ± 0.051 χ^2/NDF : 1844463.2/22

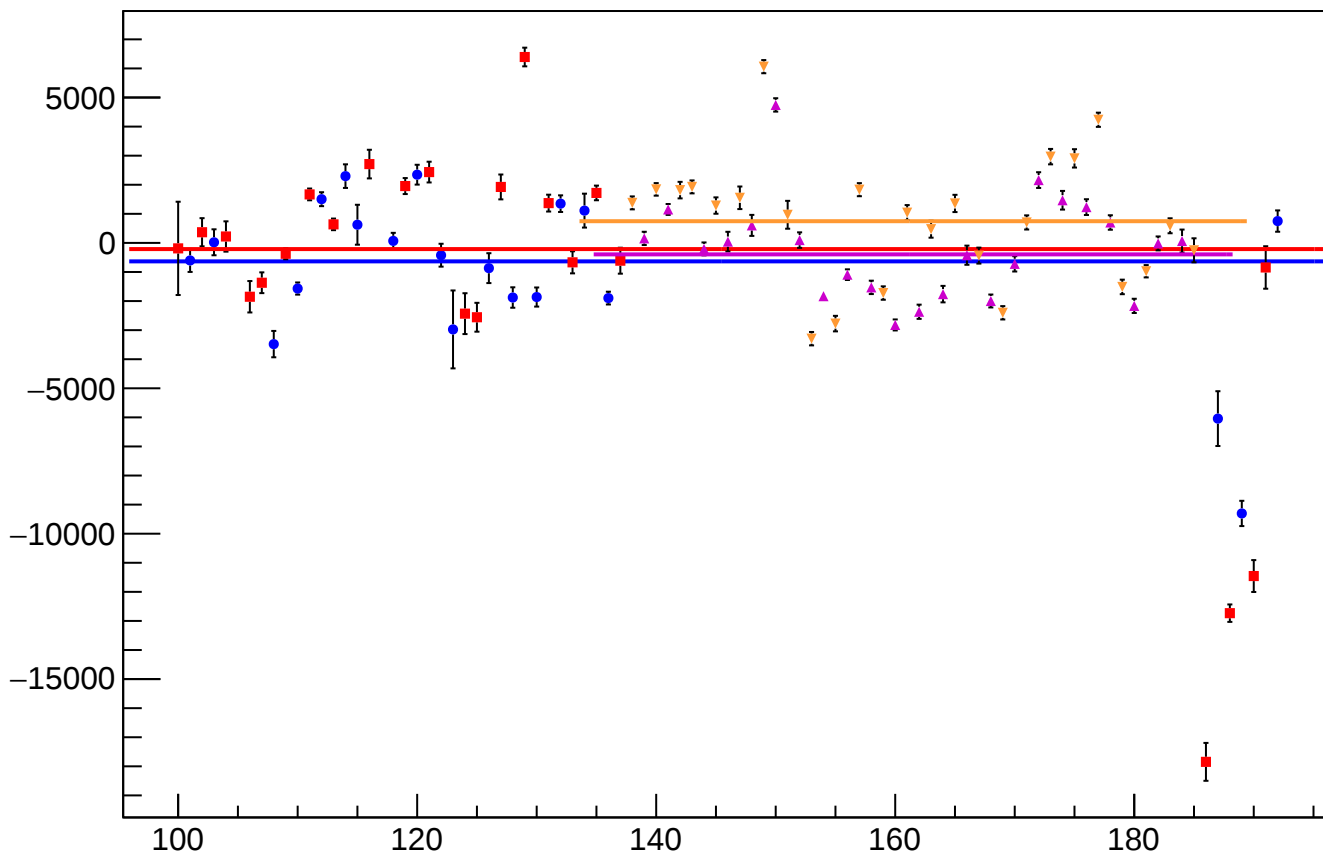
Left In: 205.249 ± 0.036 χ^2/NDF : 997168.8/22

+ sign 217.677 ± 0.031 χ^2/NDF : 2177353.7/44

All: 210.291 ± 0.021 χ^2/NDF : 5134891.7/90

- sign 203.600 ± 0.029 χ^2/NDF : 2847943.2/45

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: -212.285 ± 70.354 χ^2/NDF : 3748.5/22

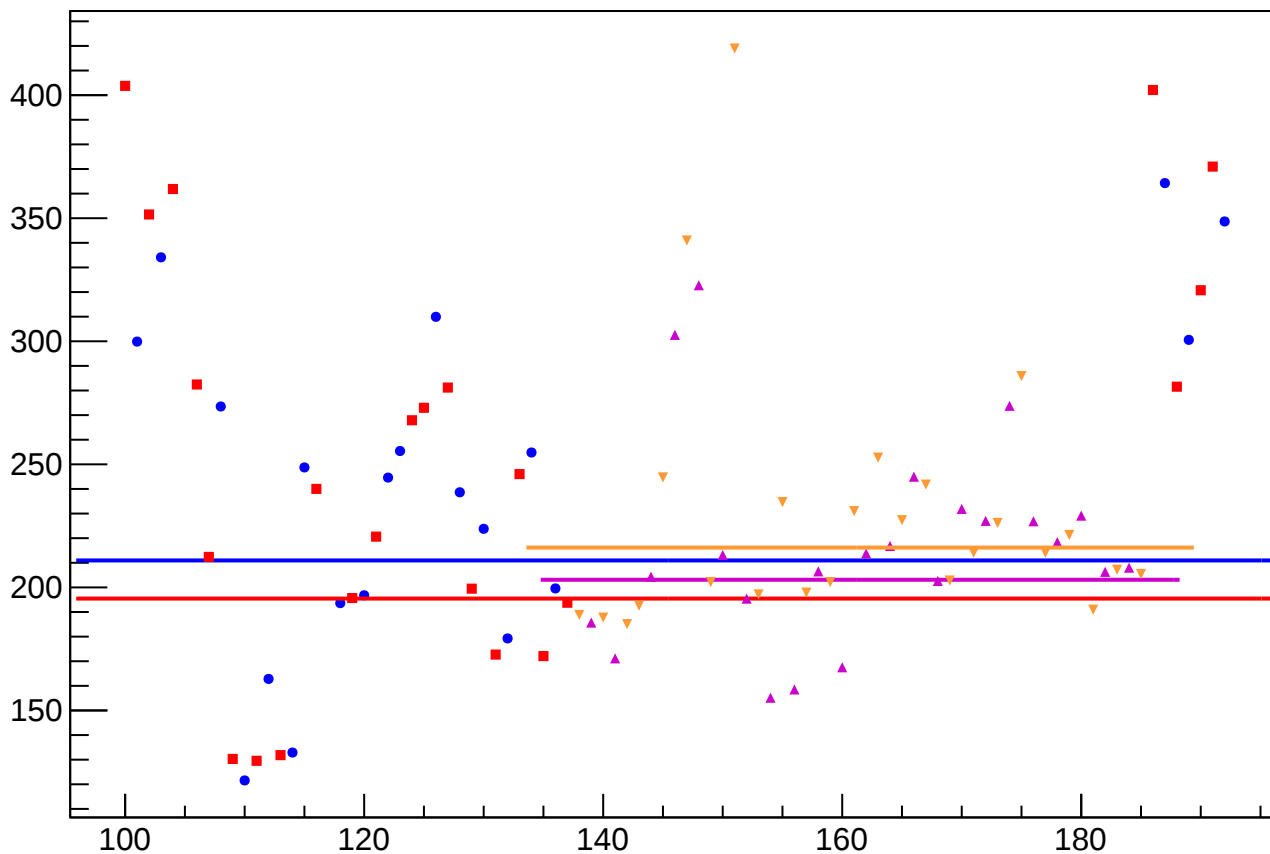
Left In: -394.379 ± 50.311 χ^2/NDF : 1236.4/22

+ sign 326.008 ± 43.031 χ^2/NDF : 3005.4/44

All: -19.905 ± 29.655 χ^2/NDF : 8117.9/90

- sign -332.766 ± 40.924 χ^2/NDF : 4989.4/45

asym_bpm0l07WS_rms vs Slug



Right In: 210.952 ± 0.055 χ^2/NDF : 1397932.1/19

Left Out: 216.178 ± 0.036 χ^2/NDF : 946050.8/24

Right Out: 195.459 ± 0.050 χ^2/NDF : 1984261.3/22

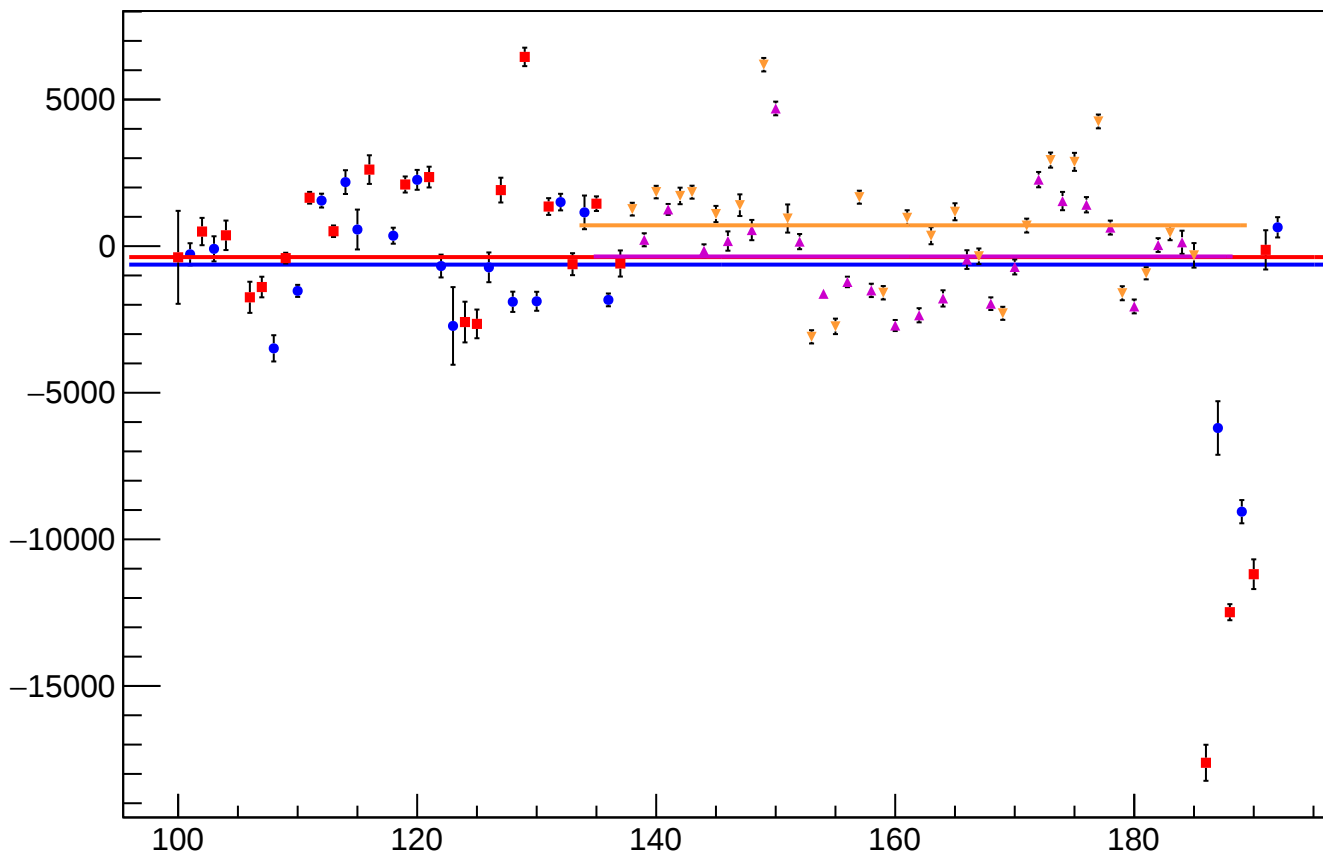
Left In: 203.101 ± 0.036 χ^2/NDF : 1038013.0/22

+ sign 214.587 ± 0.030 χ^2/NDF : 2350228.2/44

All: 207.198 ± 0.021 χ^2/NDF : 5500427.5/90

- sign 200.515 ± 0.029 χ^2/NDF : 3037887.3/45

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: -373.479 ± 68.809 χ^2/NDF : 4138.6/22

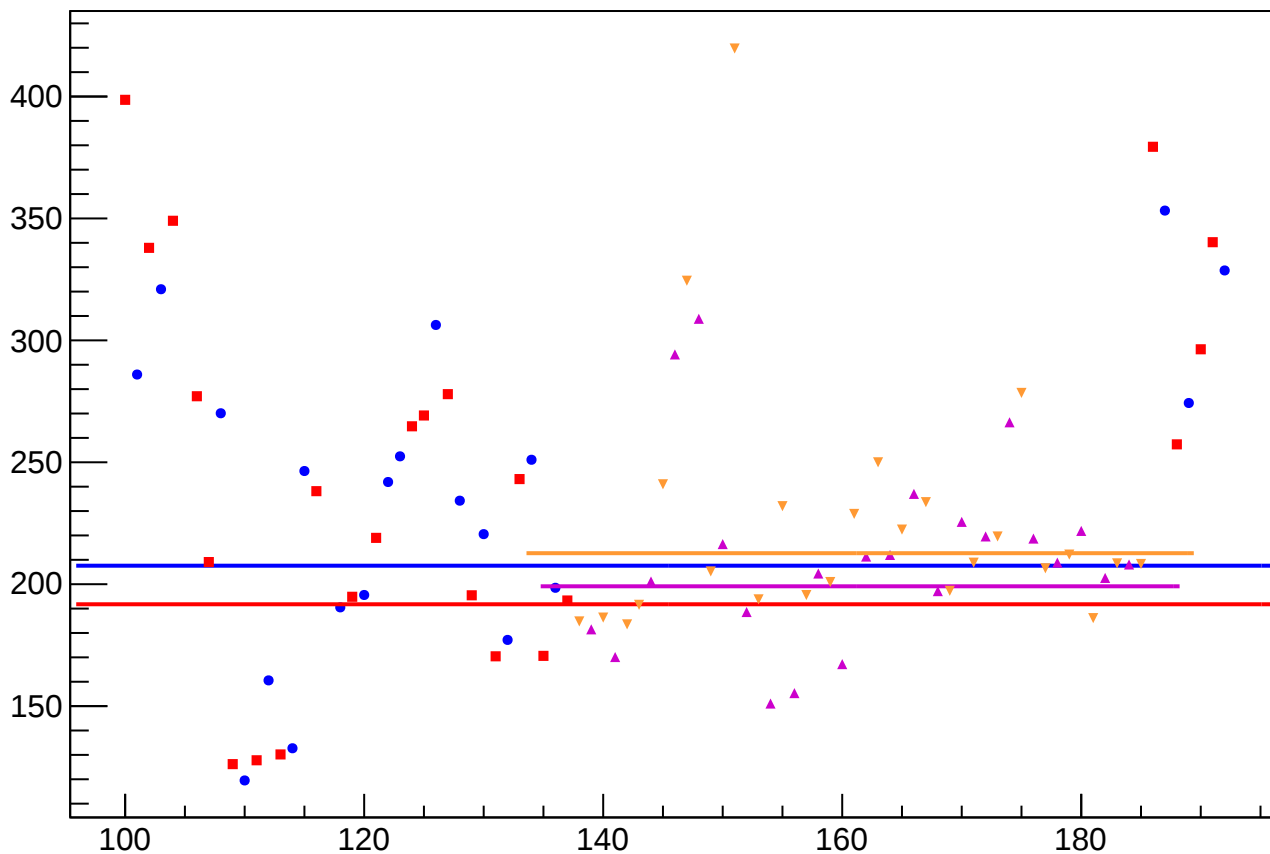
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 300.830 ± 42.294 χ^2/NDF : 3060.0/44

All: -47.074 ± 29.094 χ^2/NDF : 8560.1/90

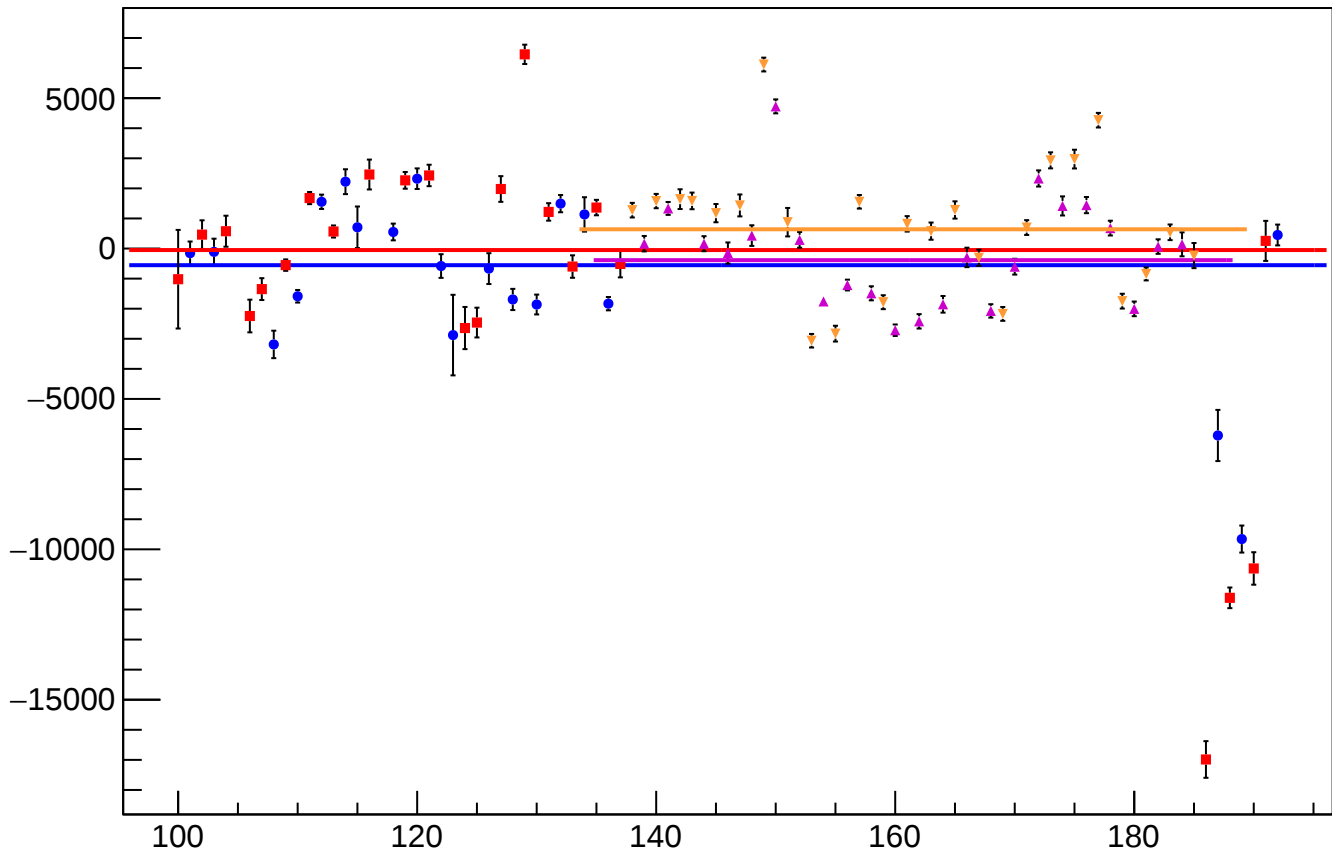
- sign -359.574 ± 40.084 χ^2/NDF : 5371.7/45

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 + sign 211.152+/-0.030 χ^2/NDF : 2218608.3/44
 Right Out: 191.772+/-0.049 χ^2/NDF : 1873266.4/22 All: 203.507+/-0.021 χ^2/NDF : 5216995.4/90
 Left In: 199.142+/-0.035 χ^2/NDF : 985932.4/22 - sign 196.641+/-0.028 χ^2/NDF : 2874358.5/45

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: -50.276 ± 70.947 χ^2/NDF : 3080.4/22

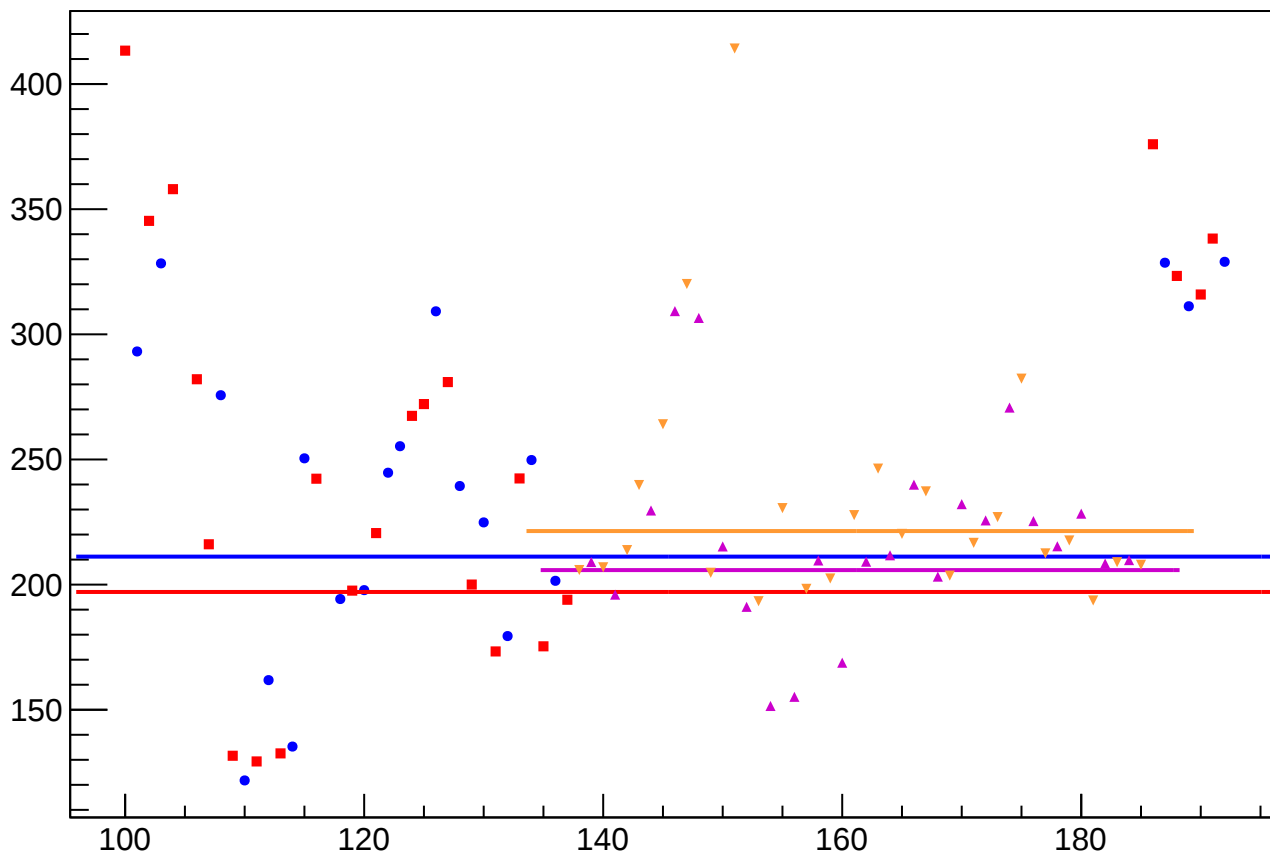
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 265.062 ± 43.650 χ^2/NDF : 2879.3/44

All: -17.516 ± 30.041 χ^2/NDF : 7292.1/90

- sign -271.804 ± 41.407 χ^2/NDF : 4333.2/45

asym_bpm0l09WS_rms vs Slug



Right In: 211.187 $\pm$ 0.055 χ^2 /NDF: 1320897.6/19

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

Right Out: 197.063 $\pm$ 0.050 χ^2 /NDF: 2002468.8/22

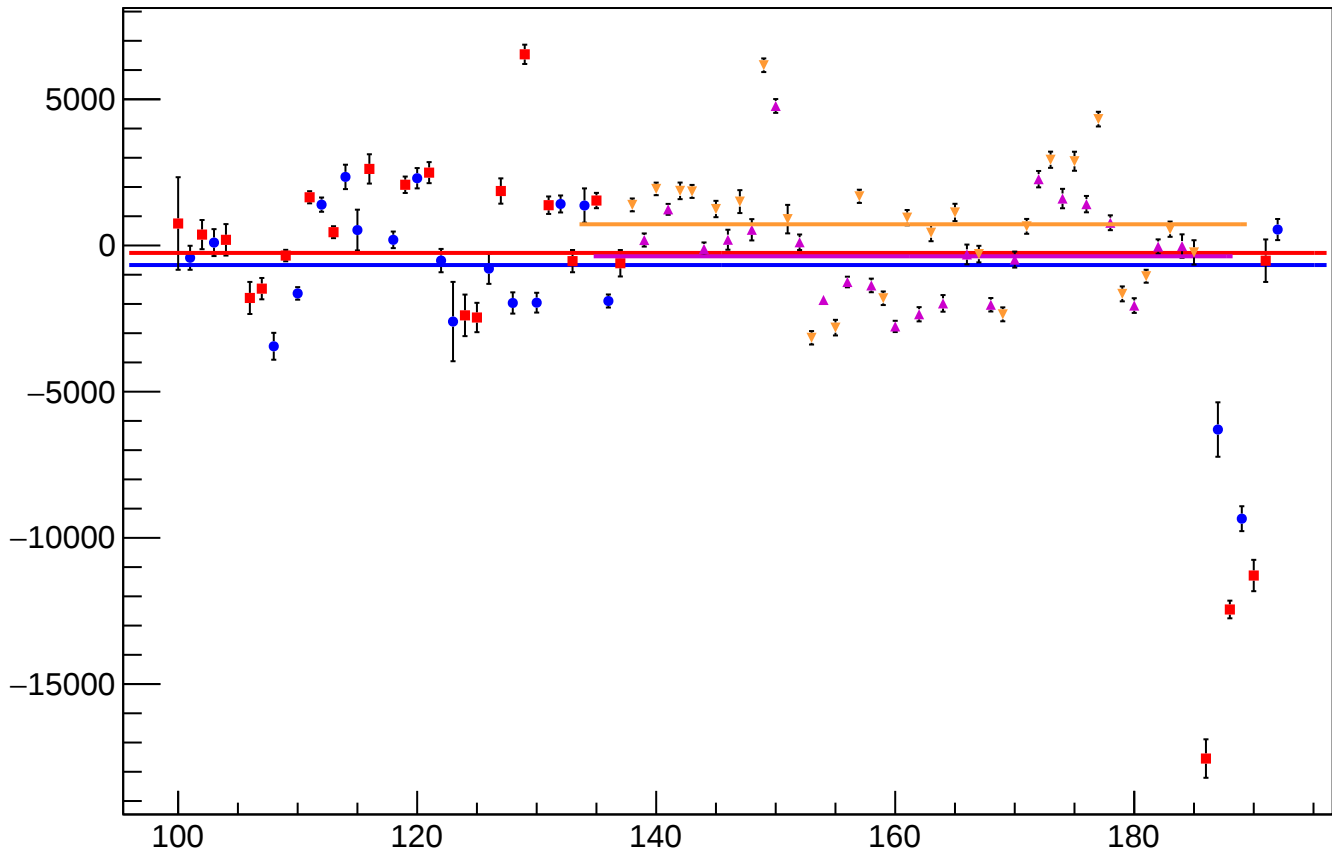
Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 218.190 $\pm$ 0.031 χ^2 /NDF: 2122312.9/44

All: 210.103 $\pm$ 0.021 χ^2 /NDF: 5270123.3/90

- sign 202.826 $\pm$ 0.029 χ^2 /NDF: 3017388.9/45

asym_bpm0l10WS_mean vs Slug



Right In: -668.829 ± 79.459 χ^2/NDF : 855.7/19

Left Out: 725.250 ± 52.307 χ^2/NDF : 1883.1/24

Right Out: -254.608 ± 71.965 χ^2/NDF : 3576.0/22

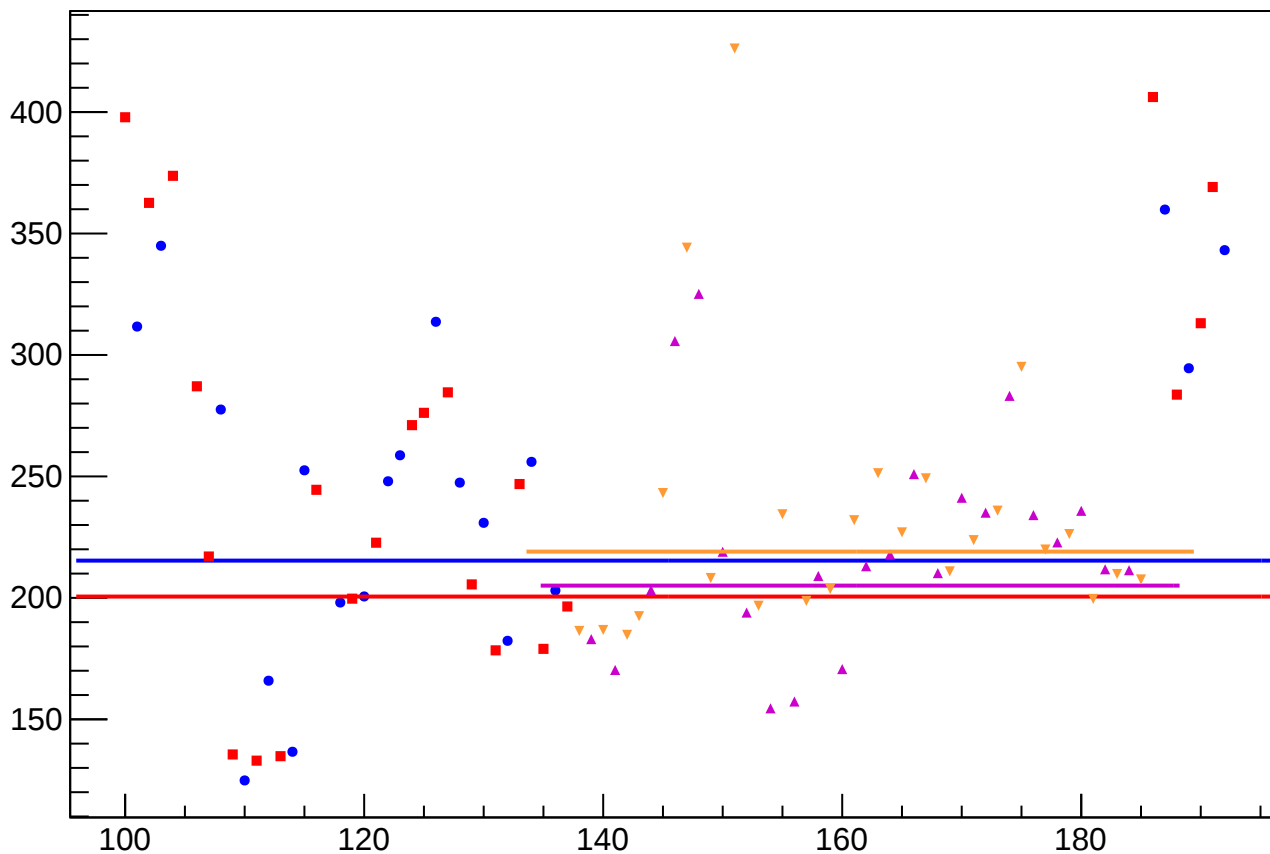
Left In: -370.408 ± 50.884 χ^2/NDF : 1223.2/22

+ sign 303.775 ± 43.690 χ^2/NDF : 2953.6/44

All: -29.985 ± 30.108 χ^2/NDF : 7865.6/90

- sign -331.810 ± 41.548 χ^2/NDF : 4800.9/45

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: 200.543 $\pm$ 0.051 χ^2 /NDF: 1903947.7/22

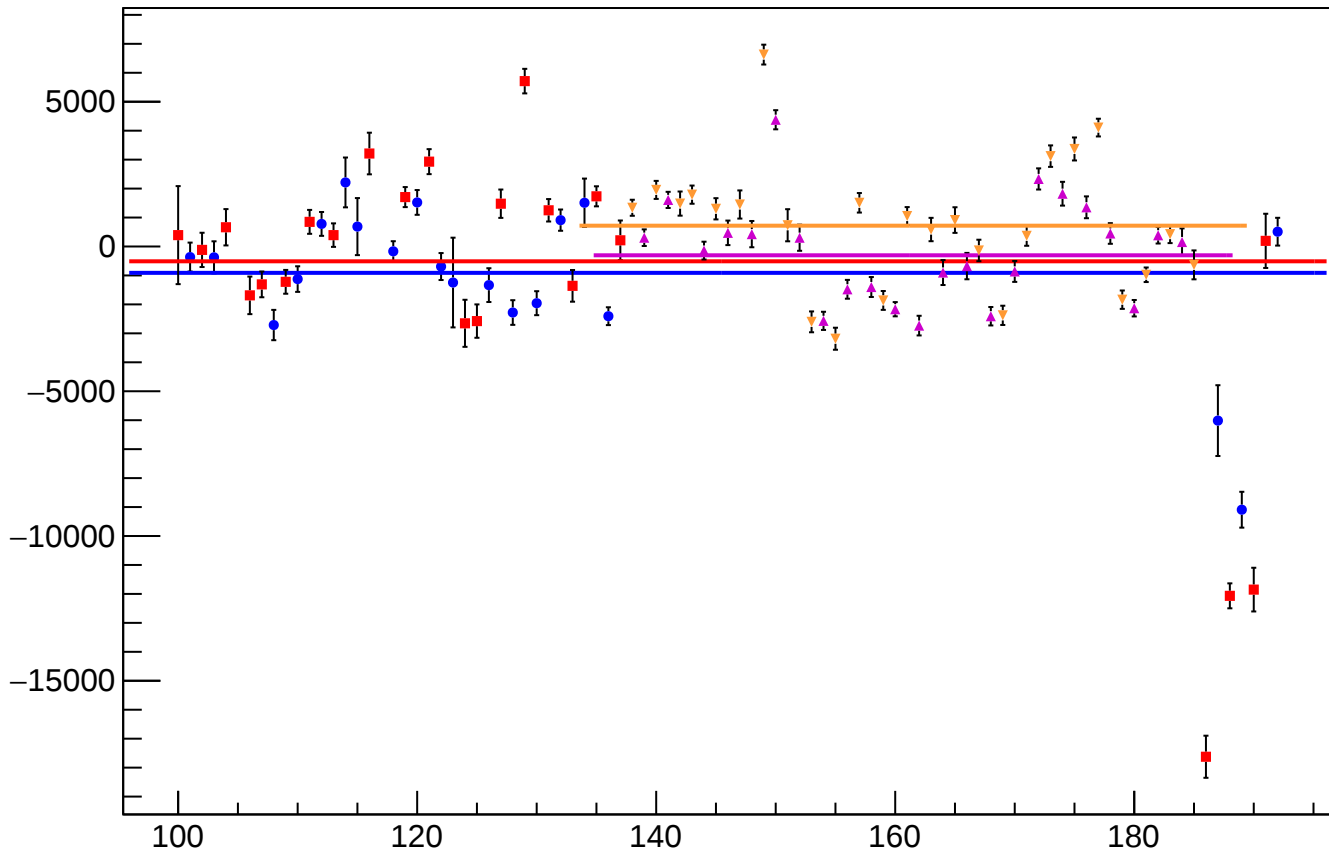
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF: 1144197.1/22

+ sign 217.928 $\pm$ 0.031 χ^2 /NDF: 2326411.5/44

All: 210.375 $\pm$ 0.021 χ^2 /NDF: 5493585.6/90

- sign 203.545 $\pm$ 0.029 χ^2 /NDF: 3053366.6/45

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: -511.780 ± 104.505 χ^2/NDF : 1977.9/22

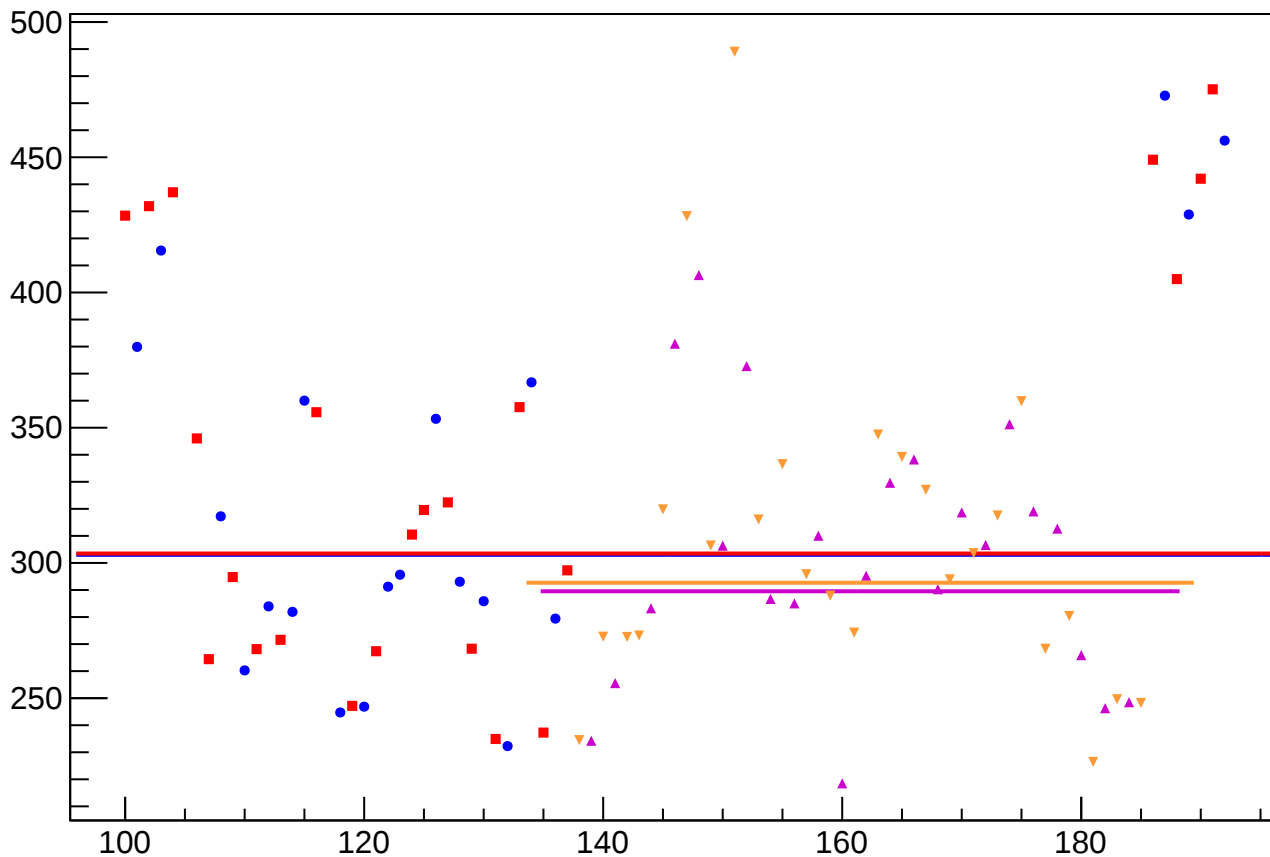
Left In: -304.161 ± 70.958 χ^2/NDF : 643.5/22

+ sign 246.230 ± 58.647 χ^2/NDF : 1536.2/44

All: -61.421 ± 41.490 χ^2/NDF : 4215.3/90

- sign -369.675 ± 58.704 χ^2/NDF : 2624.1/45

asym_bpm0r03WS_rms vs Slug



Right In: 303.013 $\pm$ 0.077 χ^2 /NDF: 695691.5/19

Left Out: 292.686 $\pm$ 0.049 χ^2 /NDF: 925193.6/24

Right Out: 303.486 $\pm$ 0.074 χ^2 /NDF: 824752.1/22

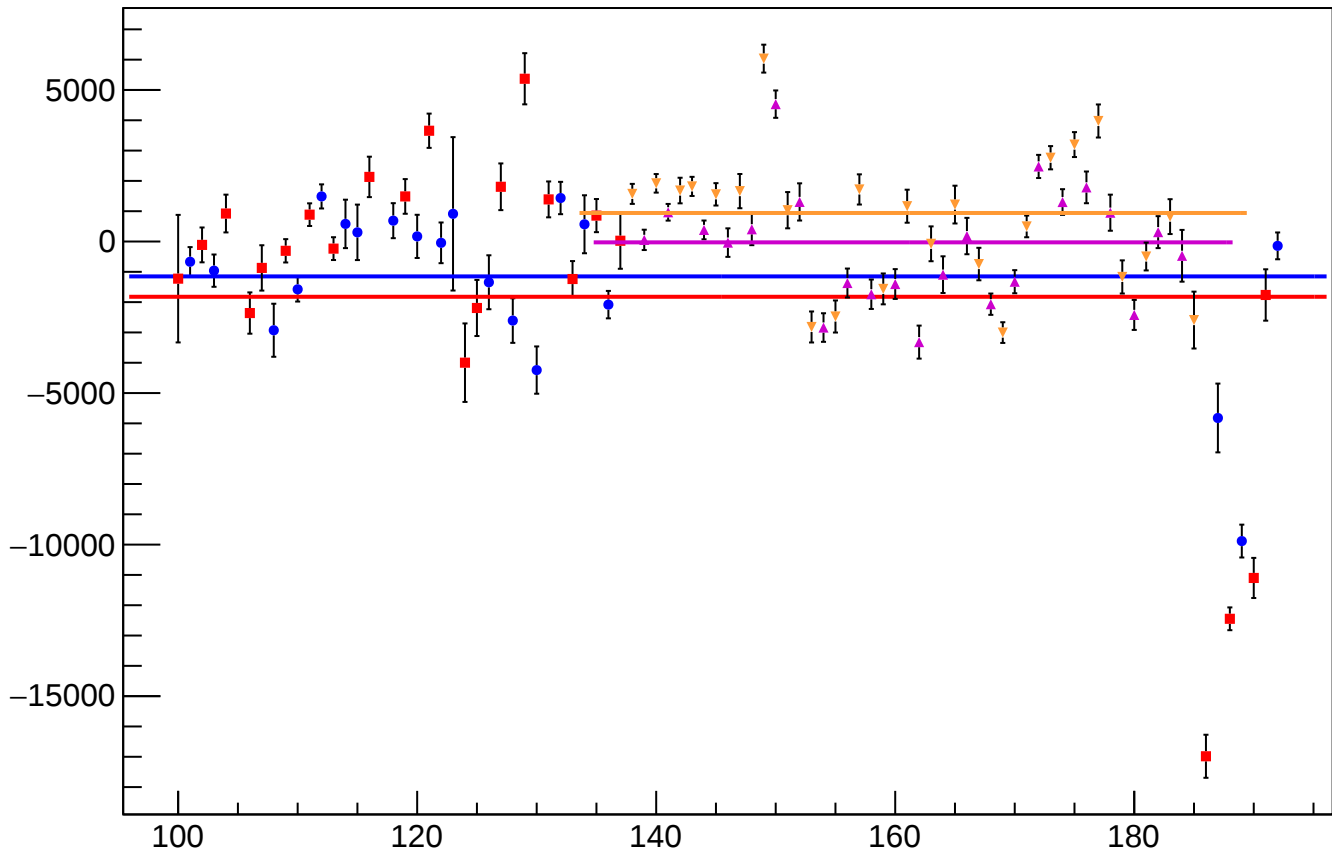
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 295.681 $\pm$ 0.041 χ^2 /NDF: 1633652.8/44

All: 294.805 $\pm$ 0.029 χ^2 /NDF: 3261639.8/90

- sign 293.928 $\pm$ 0.042 χ^2 /NDF: 1627095.1/45

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: -1823.126 ± 122.174 χ^2/NDF : 1886.8/22

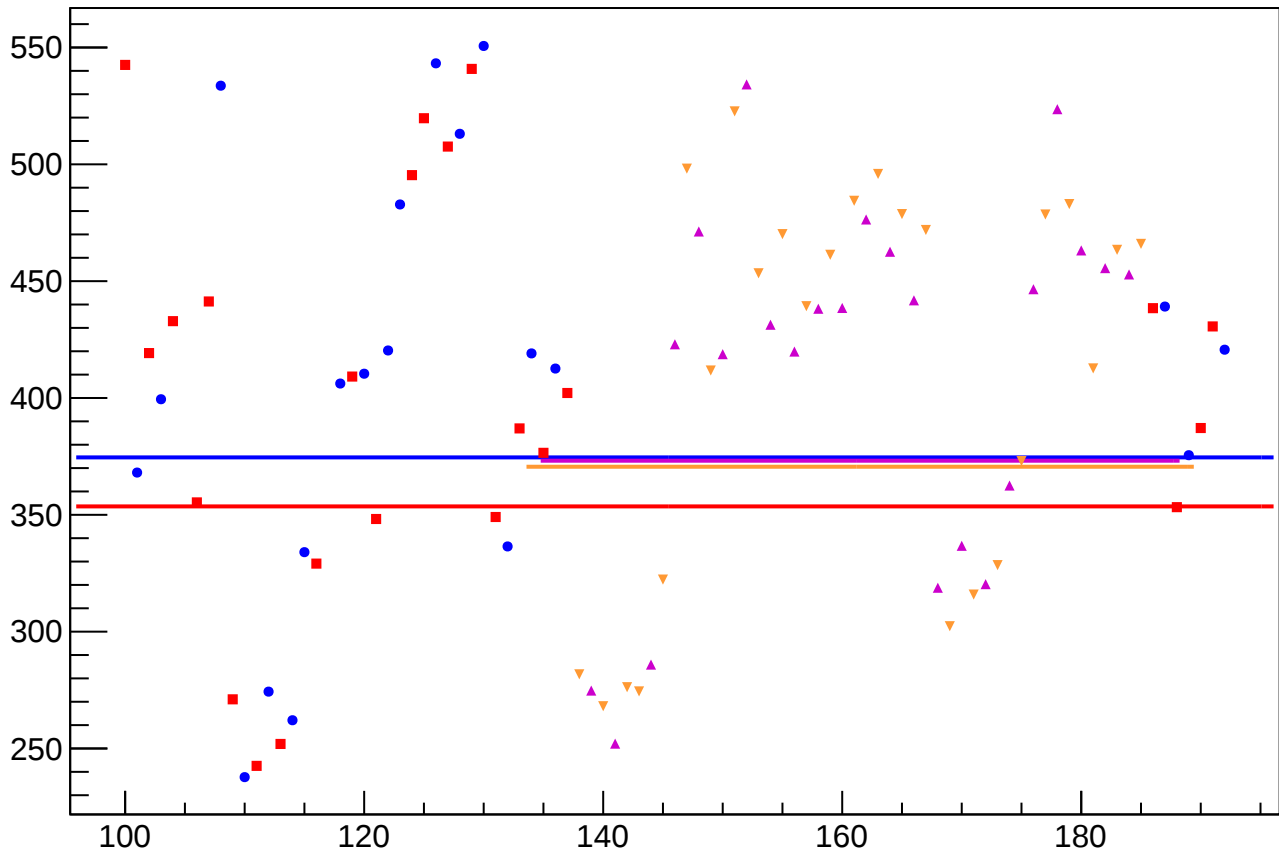
Left In: -27.763 ± 92.331 χ^2/NDF : 362.5/22

+ sign 303.662 ± 74.304 χ^2/NDF : 1119.7/44

All: -192.649 ± 52.312 χ^2/NDF : 3595.0/90

- sign -680.411 ± 73.662 χ^2/NDF : 2386.8/45

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: 353.604+/-0.086 χ^2/NDF : 871004.4/22

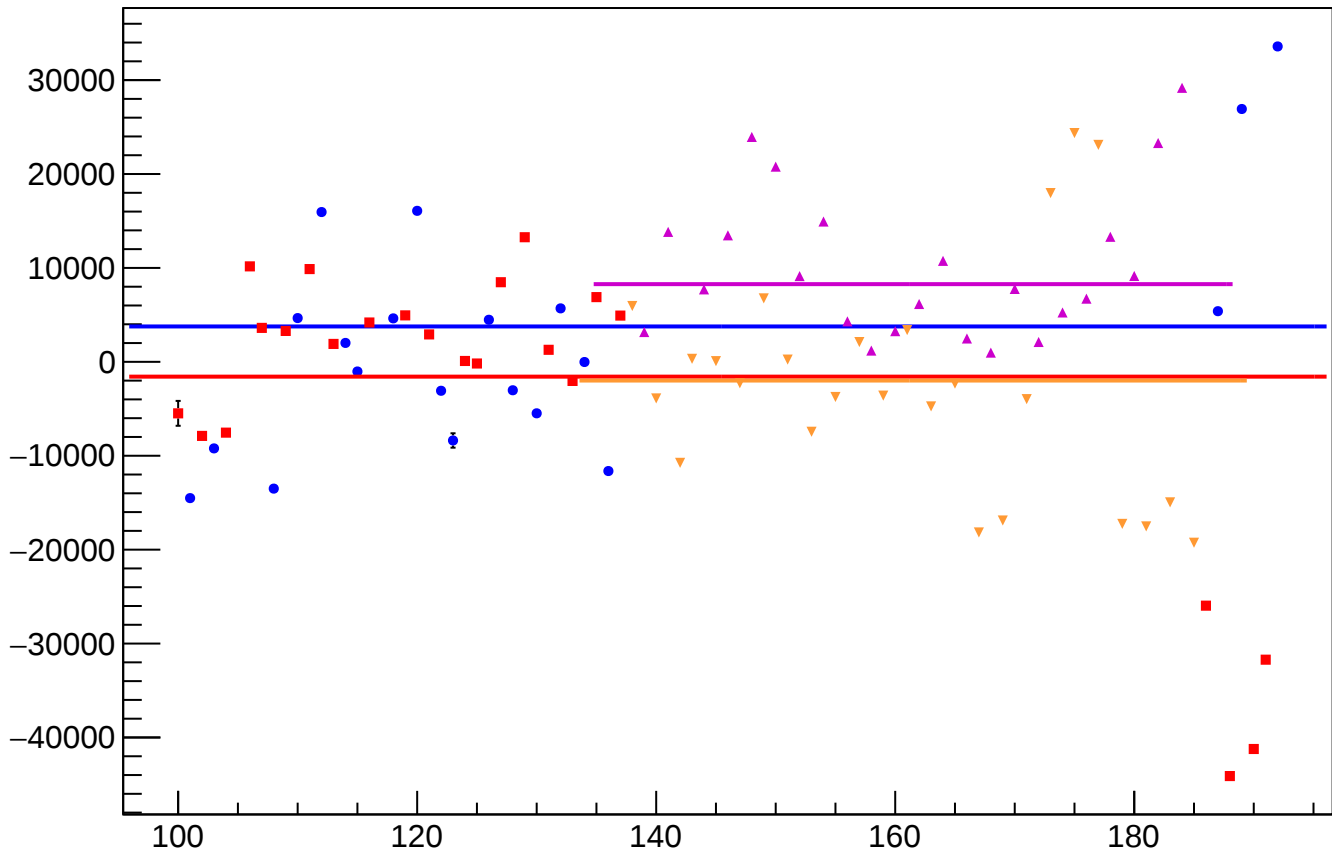
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 371.799+/-0.053 χ^2/NDF : 2676593.3/44

All: 368.900+/-0.037 χ^2/NDF : 5222495.7/90

- sign 366.051+/-0.052 χ^2/NDF : 2539867.5/45

asym_bpm0i02WS_mean vs Slug



Right In: 3767.726 ± 51.329 $\chi^2/\text{NDF}: 67970.3/19$

Left Out: -1991.788 ± 42.427 $\chi^2/\text{NDF}: 63766.6/24$

+ sign 345.983 ± 32.702 $\chi^2/\text{NDF}: 139217.0/44$

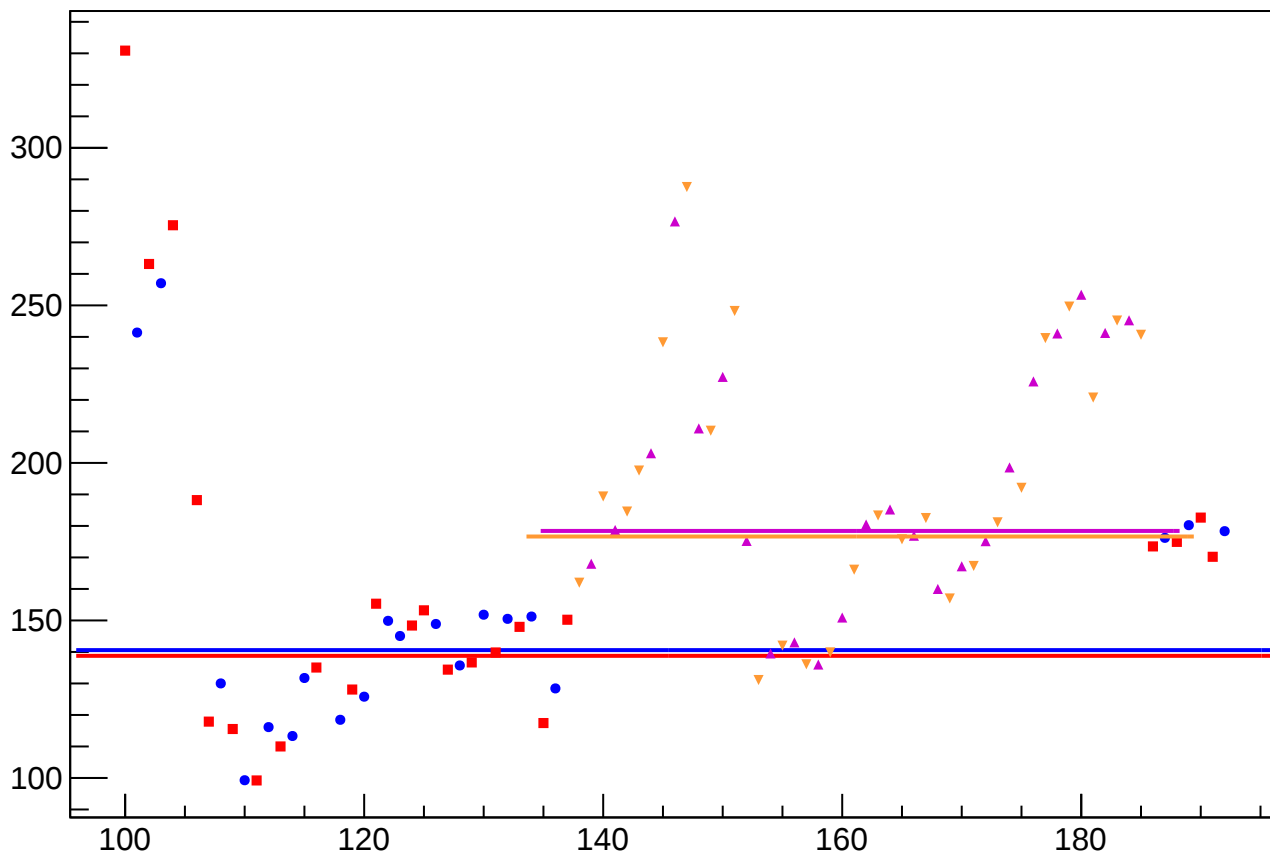
Right Out: -1576.008 ± 48.538 $\chi^2/\text{NDF}: 105266.5/22$

All: 2070.554 ± 23.131 $\chi^2/\text{NDF}: 295382.1/90$

- sign 3797.193 ± 32.721 $\chi^2/\text{NDF}: 150599.5/45$

Left In: 8273.228 ± 44.301 $\chi^2/\text{NDF}: 22870.2/22$

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: 138.772 ± 0.034 χ^2/NDF : 1018915.3/22

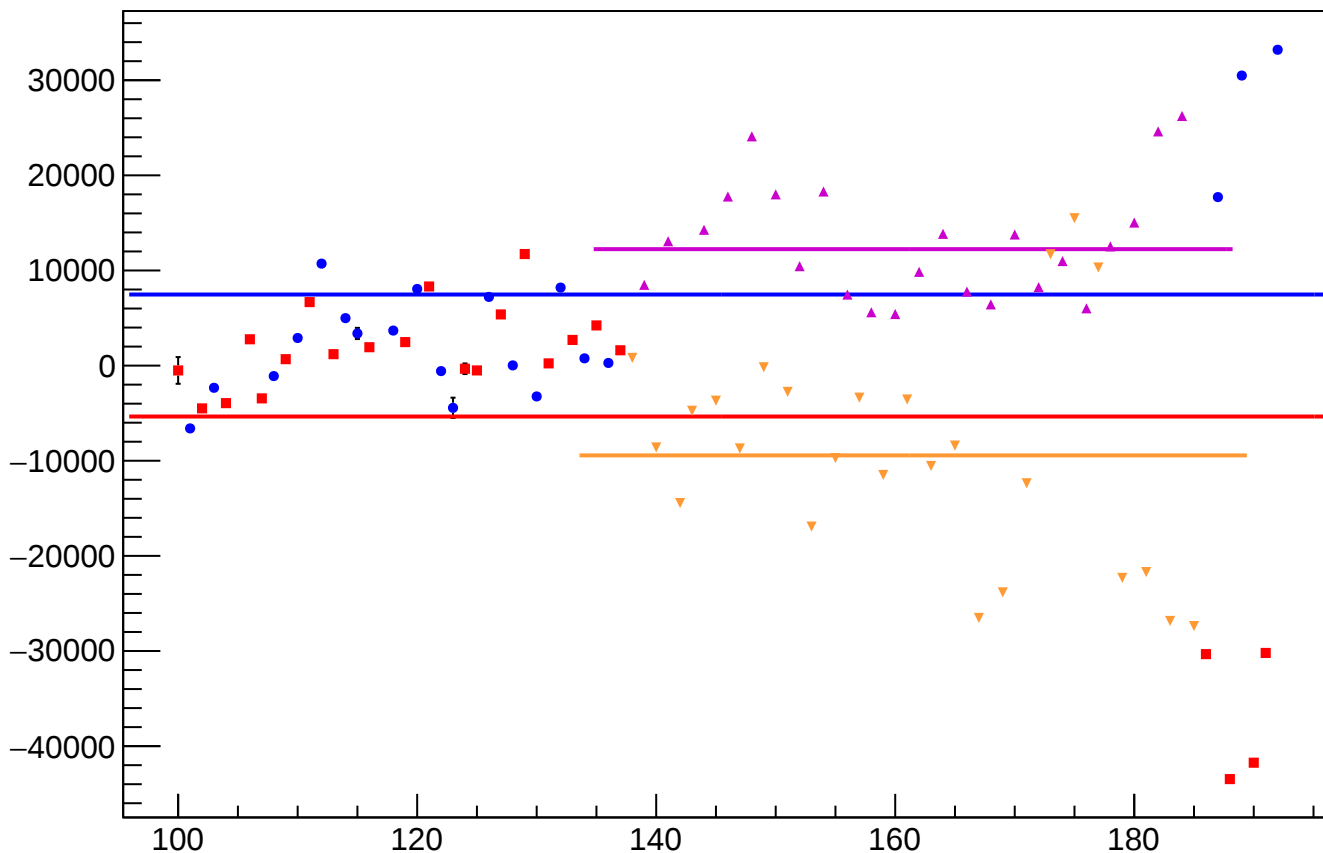
Left In: 178.413 ± 0.031 χ^2/NDF : 1293736.2/22

+ sign 162.005 ± 0.023 χ^2/NDF : 2953943.6/44

All: 161.202 ± 0.016 χ^2/NDF : 5996769.1/90

- sign 160.398 ± 0.023 χ^2/NDF : 3040412.5/45

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: -5350.986 ± 59.225 χ^2/NDF : 83678.1/22

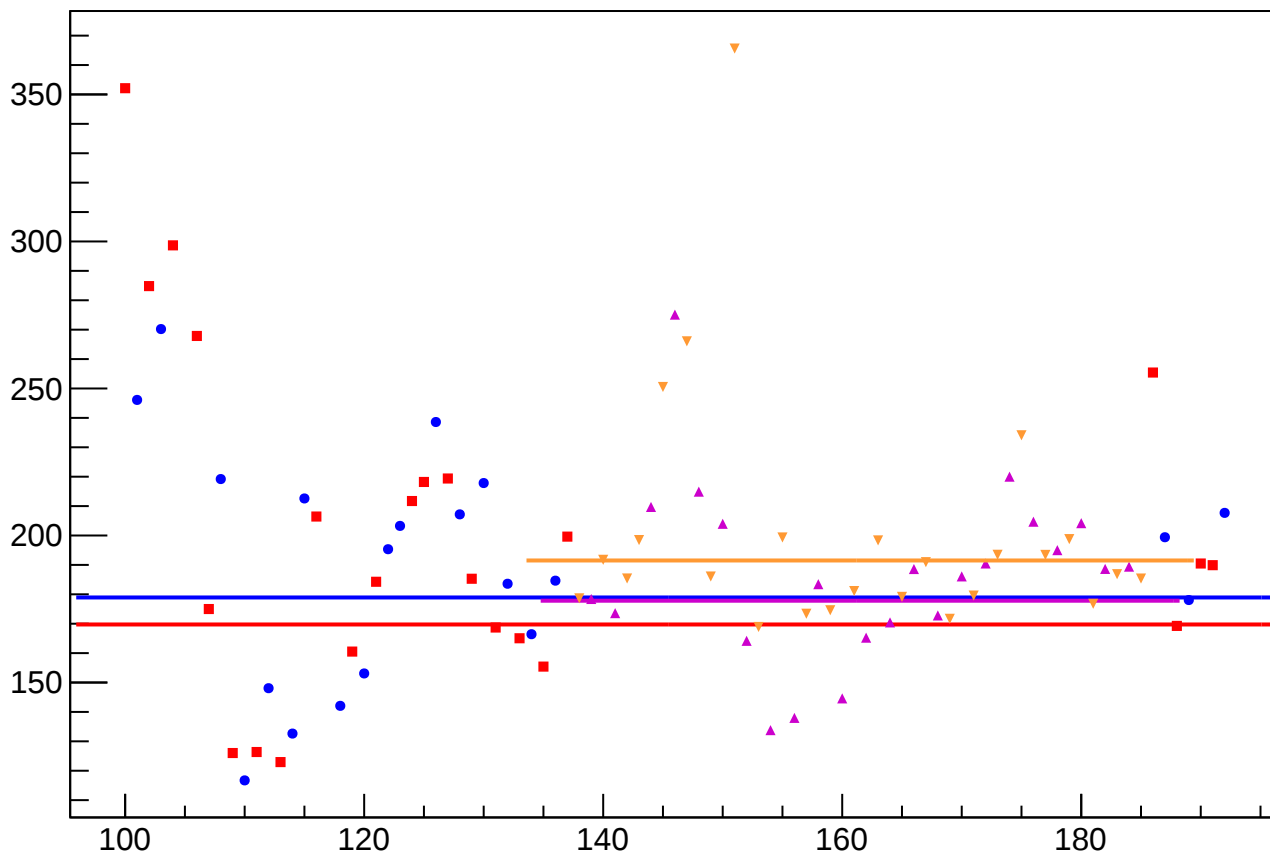
Left In: 12242.226 ± 43.944 χ^2/NDF : 16615.8/22

+ sign -3840.939 ± 37.245 χ^2/NDF : 138445.9/44

All: 1342.066 ± 25.617 χ^2/NDF : 332402.7/90

- sign 5995.377 ± 35.291 χ^2/NDF : 157205.2/45

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: 169.740+/-0.042 χ^2/NDF : 1030898.6/22

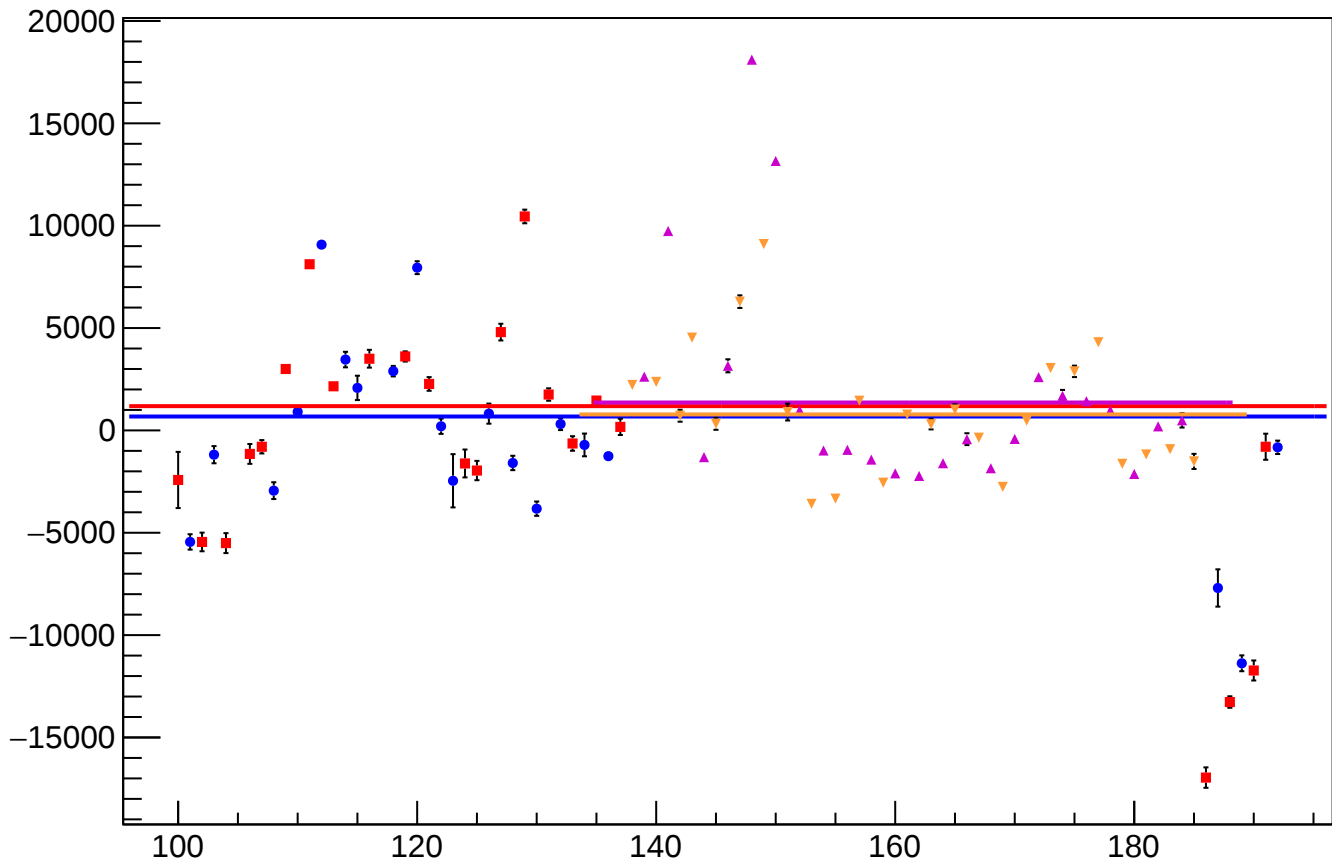
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 187.343+/-0.026 χ^2/NDF : 1507869.3/44

All: 180.814+/-0.018 χ^2/NDF : 3541926.4/90

- sign 174.952+/-0.025 χ^2/NDF : 1917411.7/45

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: 1184.892 ± 66.320 χ^2/NDF : 7663.3/22

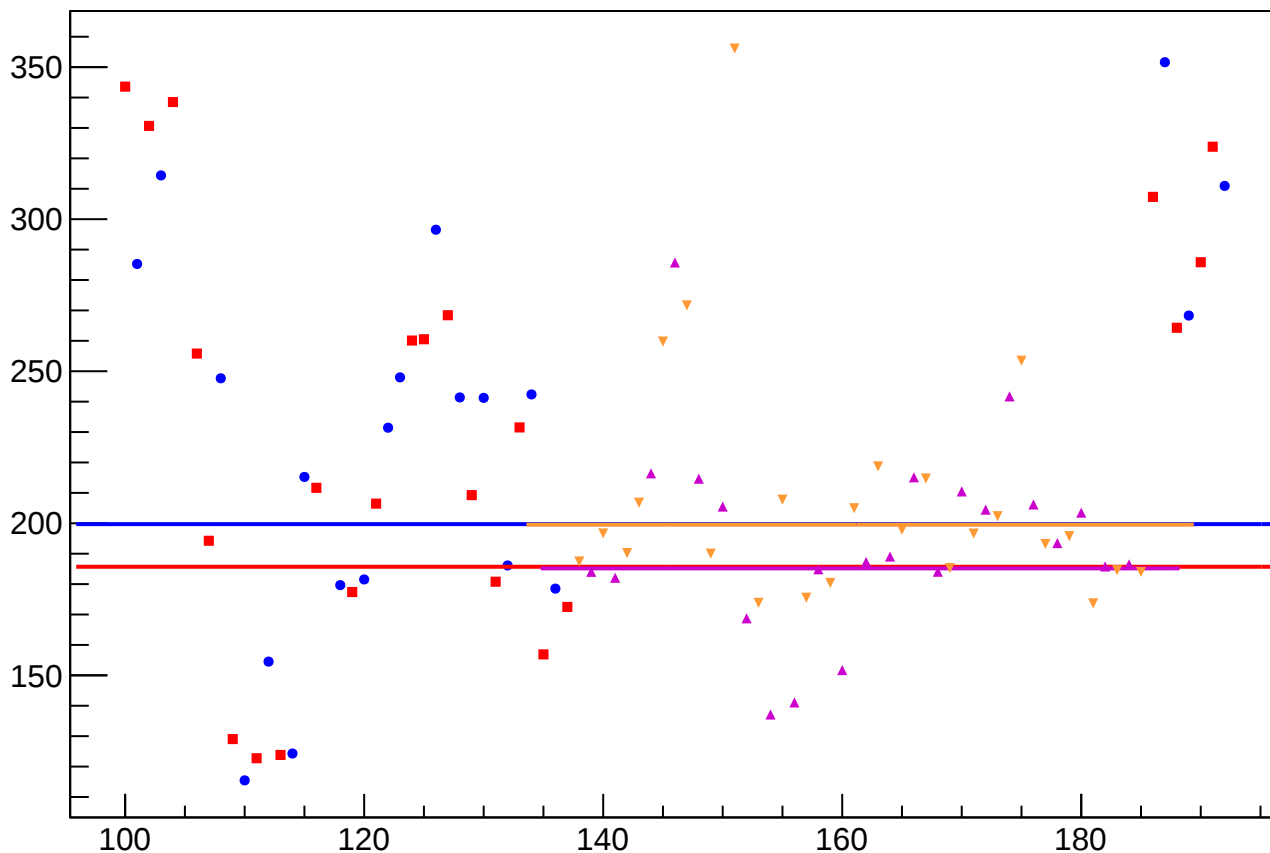
Left In: 1363.043 ± 45.807 χ^2/NDF : 11632.9/22

+ sign 750.311 ± 39.889 χ^2/NDF : 8049.9/44

All: 1043.632 ± 27.396 χ^2/NDF : 27453.3/90

- sign 1305.504 ± 37.690 χ^2/NDF : 19301.1/45

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

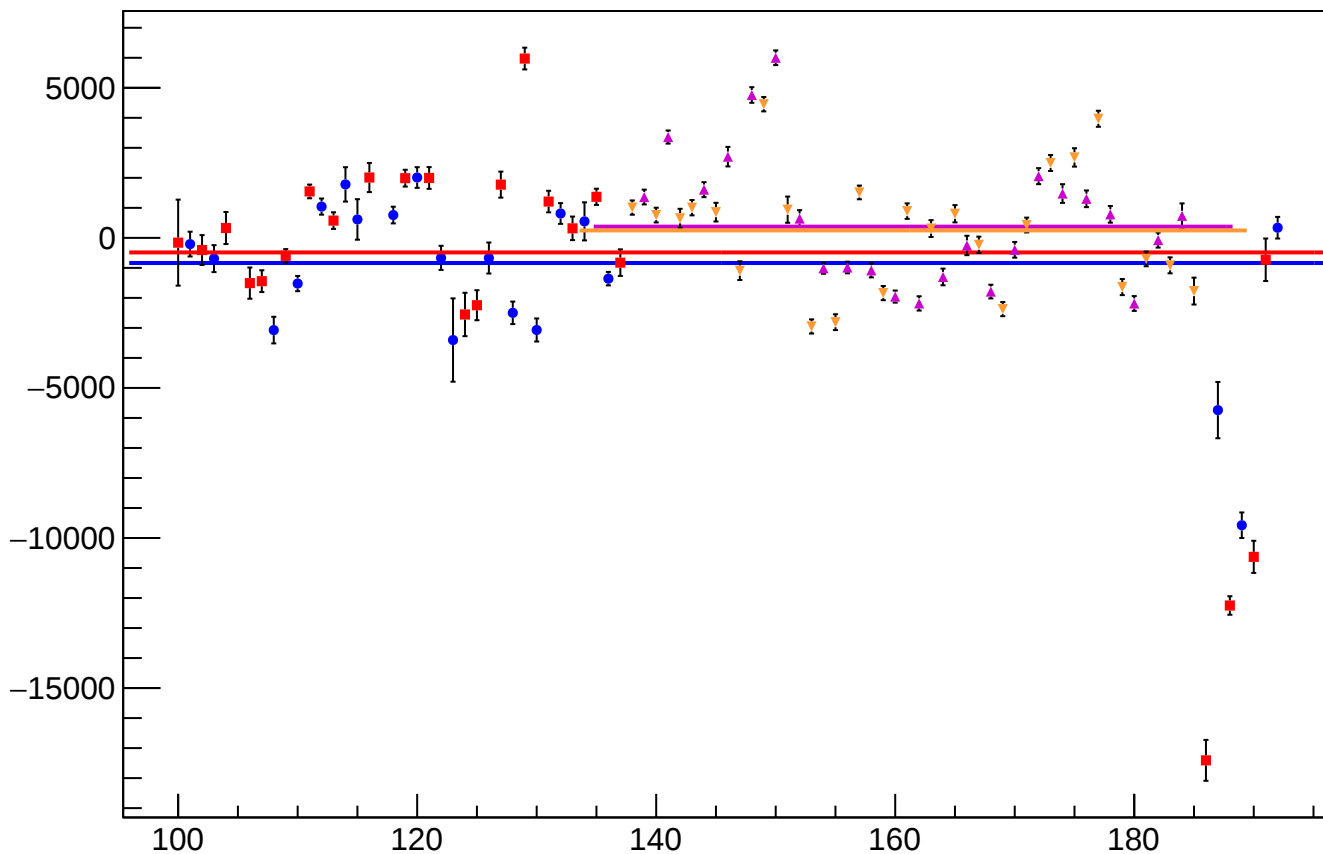
Right Out: 185.706 $\pm$ 0.047 χ^2 /NDF: 1793799.2/22

All: 192.068 $\pm$ 0.019 χ^2 /NDF: 4901229.6/90

Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

- sign 185.344 $\pm$ 0.027 χ^2 /NDF: 2676639.7/45

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: -485.106 ± 77.607 χ^2/NDF : 3129.5/22

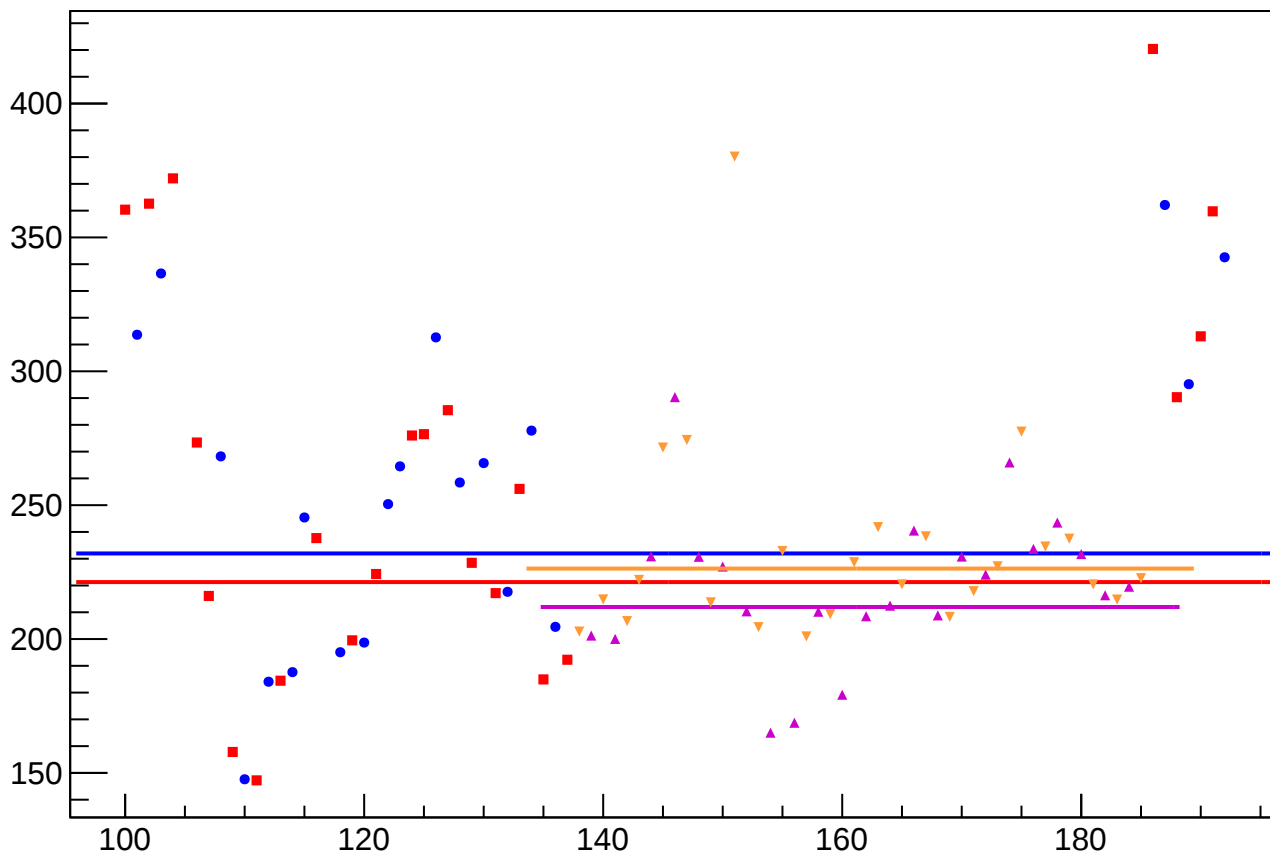
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -64.838 ± 45.182 χ^2/NDF : 2232.8/44

All: 25.163 ± 31.234 χ^2/NDF : 7255.5/90

- sign 107.545 ± 43.227 χ^2/NDF : 5015.1/45

asym_bpm0i07WS_rms vs Slug



Right In: 231.969 ± 0.060 $\chi^2/\text{NDF}: 945257.7/19$

Left Out: 226.322 ± 0.038 $\chi^2/\text{NDF}: 521041.8/24$

Right Out: 221.272 ± 0.055 $\chi^2/\text{NDF}: 1327158.5/22$

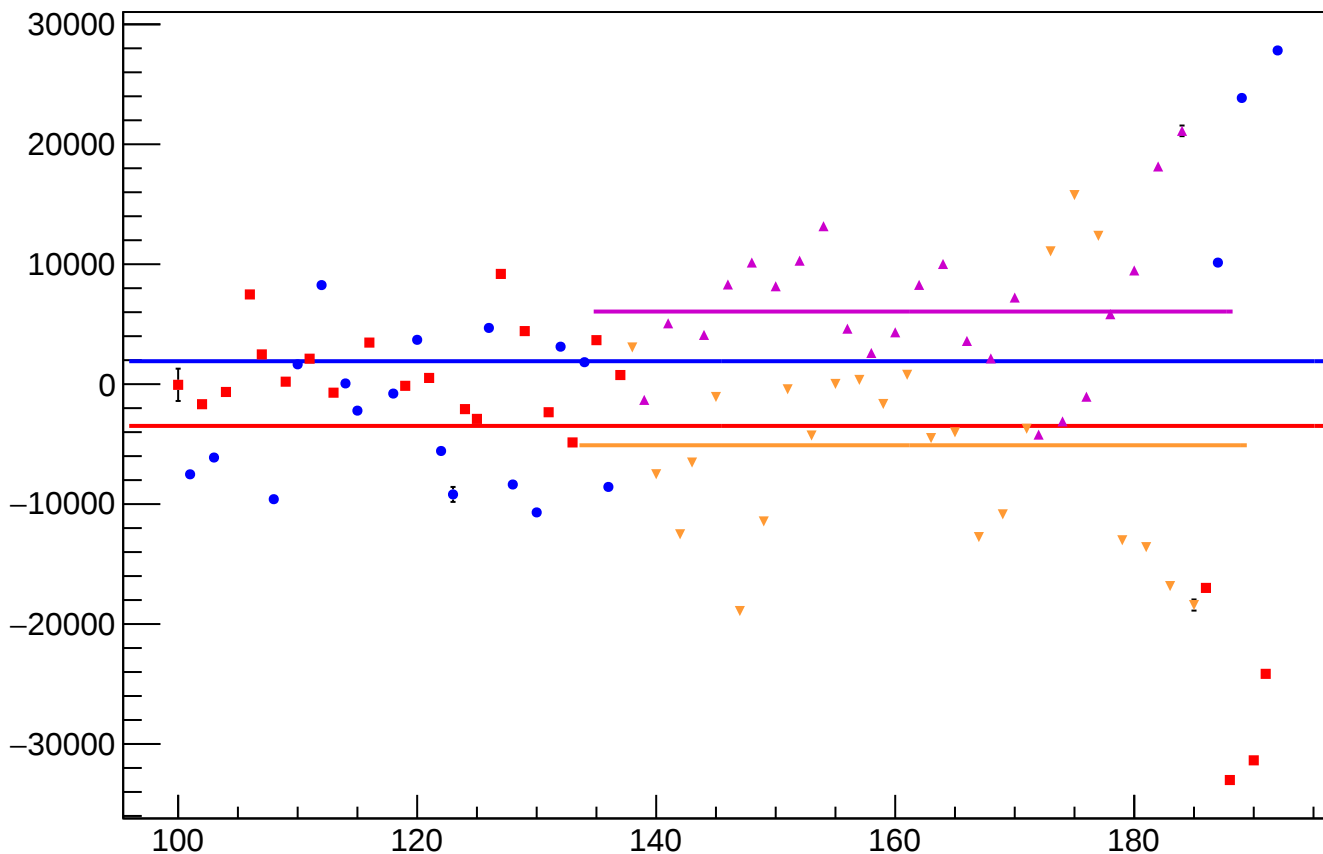
Left In: 211.970 ± 0.037 $\chi^2/\text{NDF}: 584344.5/22$

+ sign 227.950 ± 0.032 $\chi^2/\text{NDF}: 1472710.3/44$

All: 221.114 ± 0.022 $\chi^2/\text{NDF}: 3491724.9/90$

- sign 214.856 ± 0.031 $\chi^2/\text{NDF}: 1931320.8/45$

asym_bpm1i02WS_mean vs Slug



Right In: 1914.132 ± 43.764 $\chi^2/\text{NDF}: 66286.8/19$

Left Out: -5095.305 ± 33.703 $\chi^2/\text{NDF}: 54395.4/24$

Right Out: -3481.337 ± 41.177 $\chi^2/\text{NDF}: 79485.4/22$

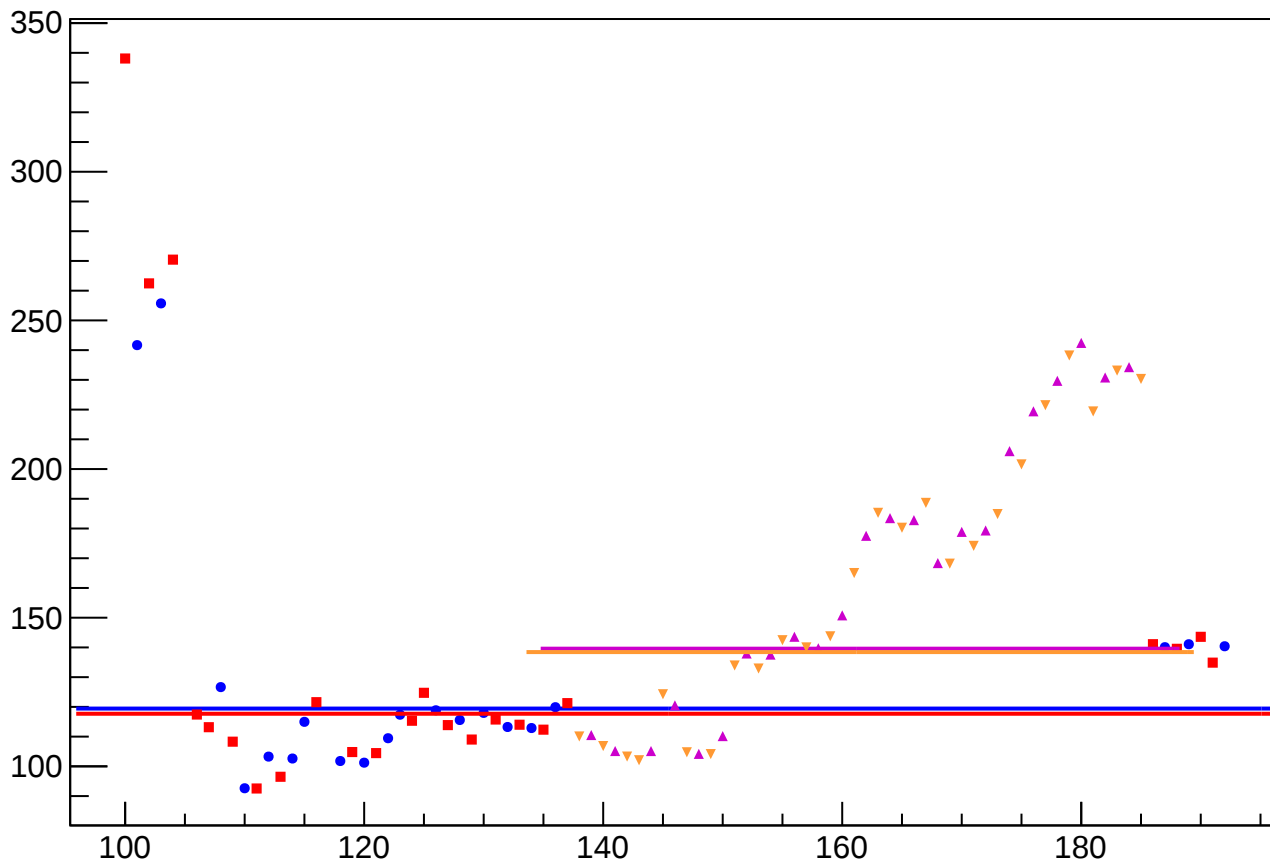
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -2485.785 ± 26.703 $\chi^2/\text{NDF}: 136784.7/44$

All: -212.610 ± 18.869 $\chi^2/\text{NDF}: 279465.4/90$

- sign 2054.540 ± 26.667 $\chi^2/\text{NDF}: 128206.0/45$

asym_bpm1i02WS_rms vs Slug



Right In: 119.434 $\pm$ 0.031 χ^2 /NDF: 824616.6/19

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 117.693 $\pm$ 0.029 χ^2 /NDF: 908504.4/22

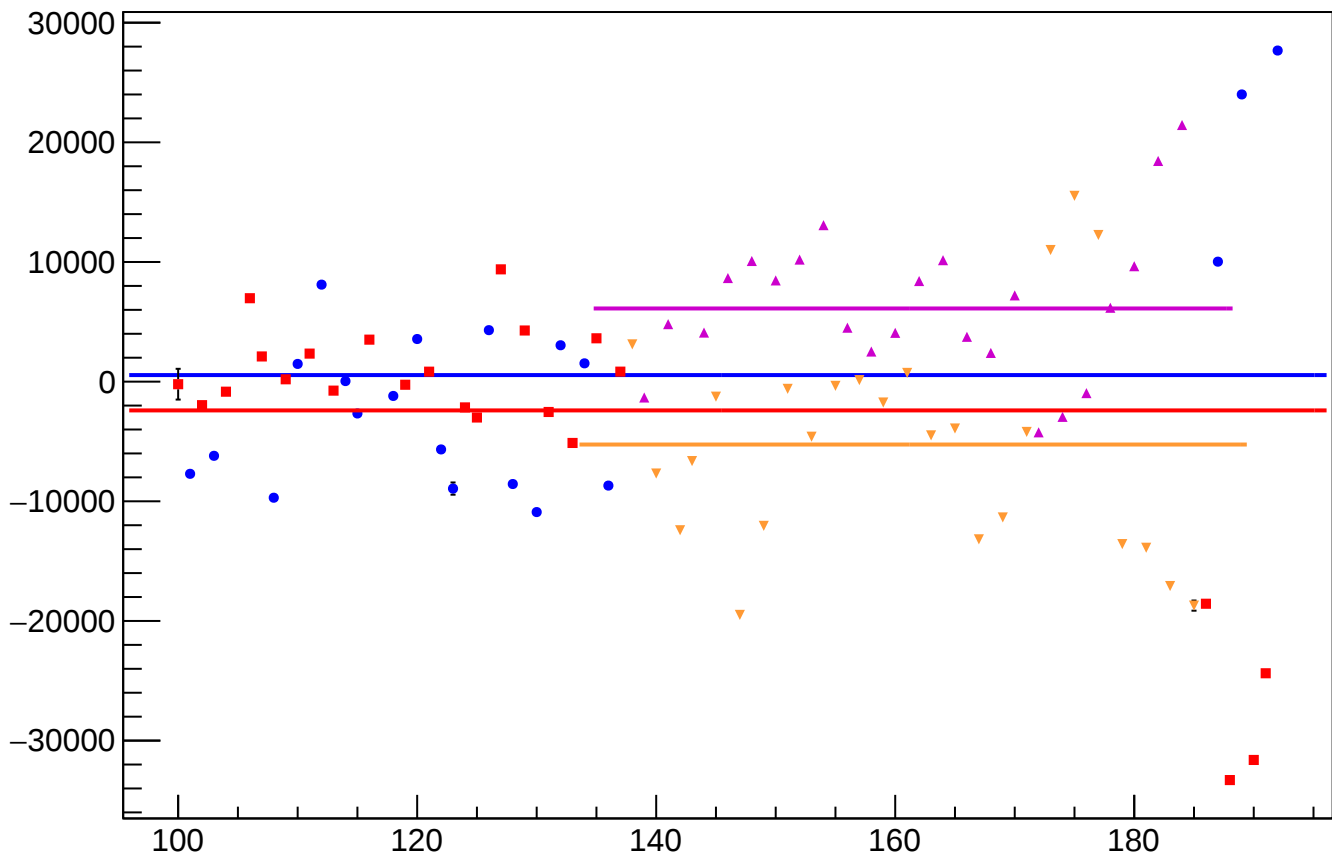
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 131.362 $\pm$ 0.019 χ^2 /NDF: 3610721.8/44

All: 130.880 $\pm$ 0.013 χ^2 /NDF: 7262175.5/90

- sign 130.399 $\pm$ 0.019 χ^2 /NDF: 3650152.7/45

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: -2404.179 ± 35.641 $\chi^2/\text{NDF}: 87939.3/22$

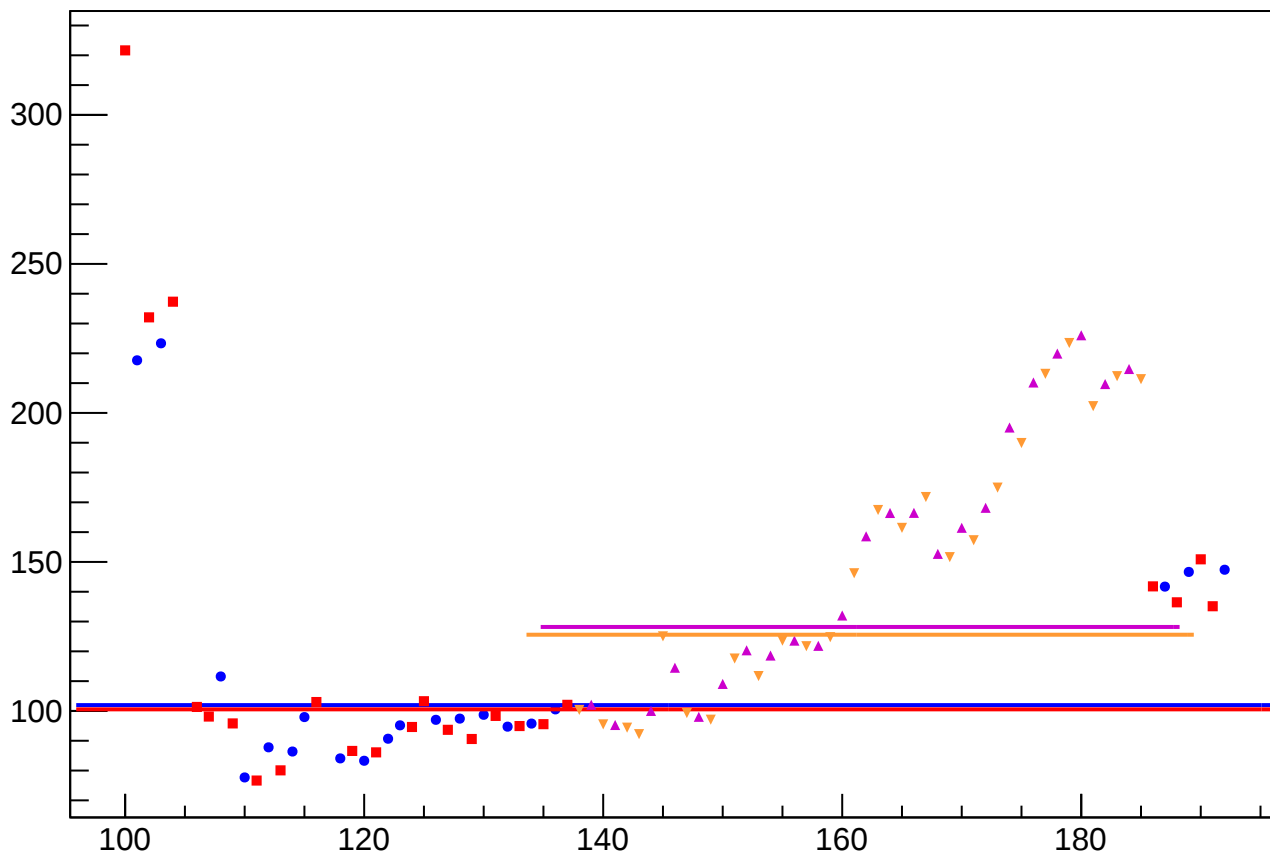
Left In: 6114.901 ± 32.126 $\chi^2/\text{NDF}: 21260.9/22$

+ sign -2964.203 ± 23.823 $\chi^2/\text{NDF}: 149283.7/44$

All: -338.444 ± 16.859 $\chi^2/\text{NDF}: 314344.0/90$

- sign 2296.143 ± 23.863 $\chi^2/\text{NDF}: 140722.0/45$

asym_bpm1i04WS_rms vs Slug



Right In: 101.959+/-0.027 χ^2/NDF : 1131725.2/19

Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24

Right Out: 100.535+/-0.025 χ^2/NDF : 1196275.4/22

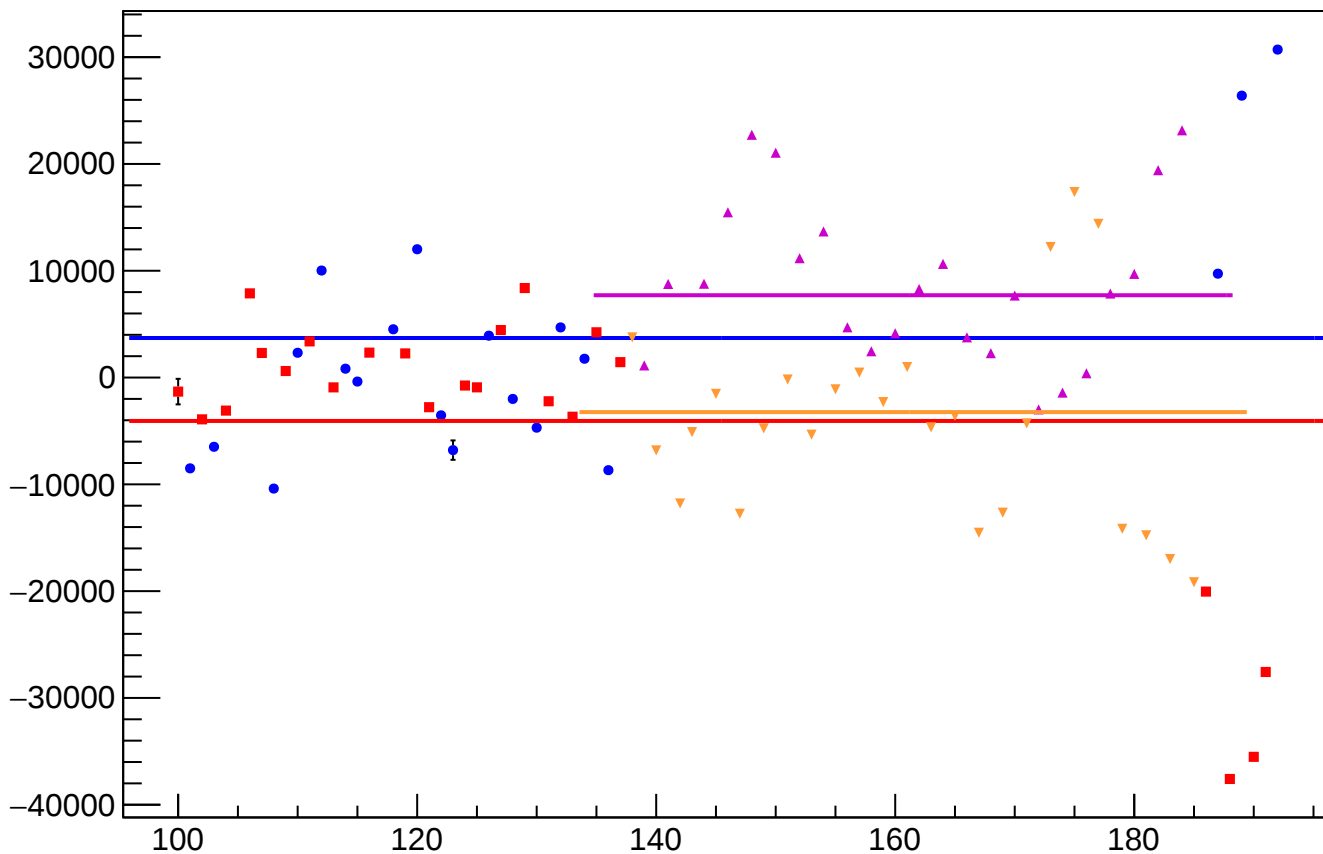
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 116.253+/-0.017 χ^2/NDF : 4197162.5/44

All: 116.022+/-0.012 χ^2/NDF : 8390834.3/90

- sign 115.790+/-0.017 χ^2/NDF : 4193294.1/45

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: -4064.203 ± 47.947 $\chi^2/\text{NDF}: 73562.3/22$

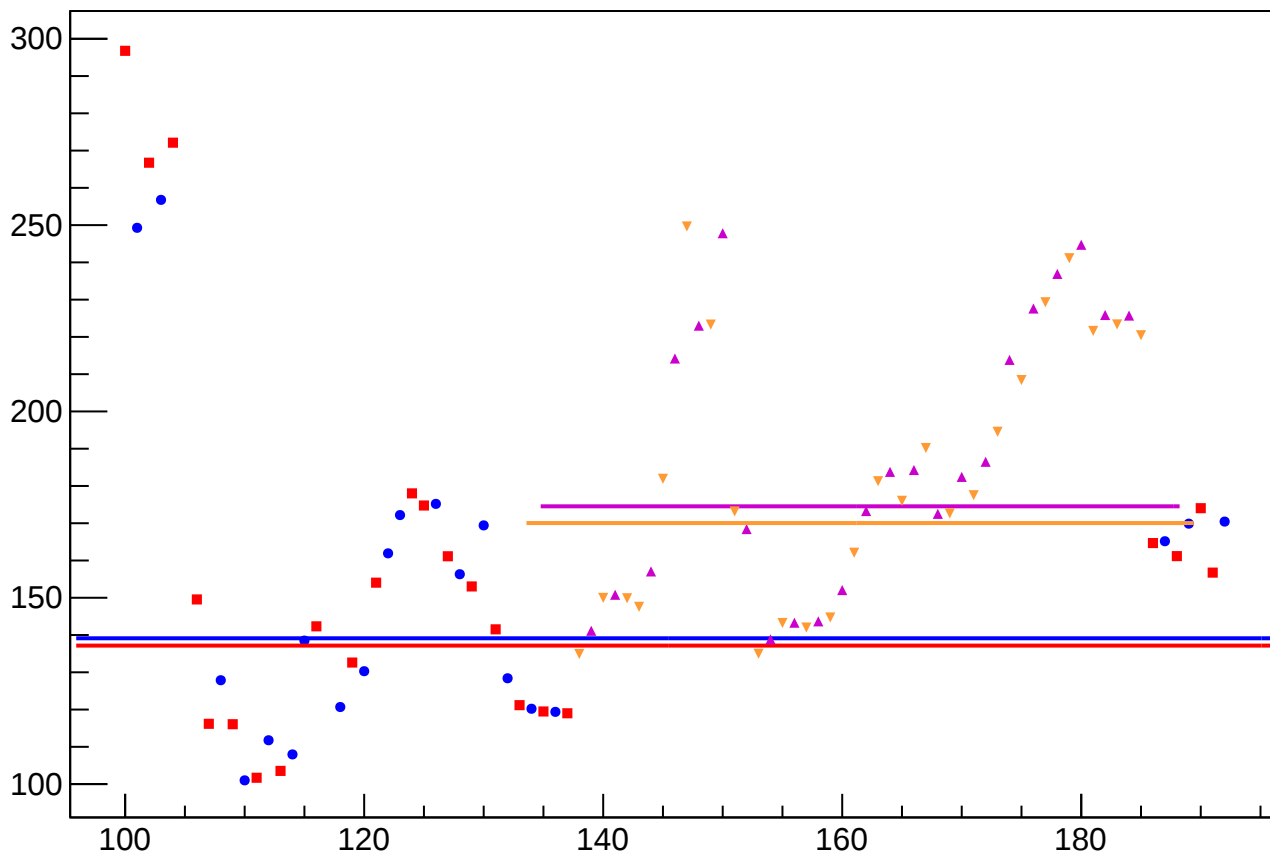
Left In: 7707.068 ± 42.990 $\chi^2/\text{NDF}: 21268.3/22$

+ sign -535.170 ± 31.718 $\chi^2/\text{NDF}: 100445.6/44$

All: 949.381 ± 22.530 $\chi^2/\text{NDF}: 233110.3/90$

- sign 2461.169 ± 32.008 $\chi^2/\text{NDF}: 128243.2/45$

asym_bpm1i06WS_rms vs Slug



Right In: 139.127 $\pm$ 0.036 χ^2 /NDF: 902325.3/19

Left Out: 170.050 $\pm$ 0.029 χ^2 /NDF:1240866.9/24

Right Out: 137.165 $\pm$ 0.034 χ^2 /NDF: 982777.1/22

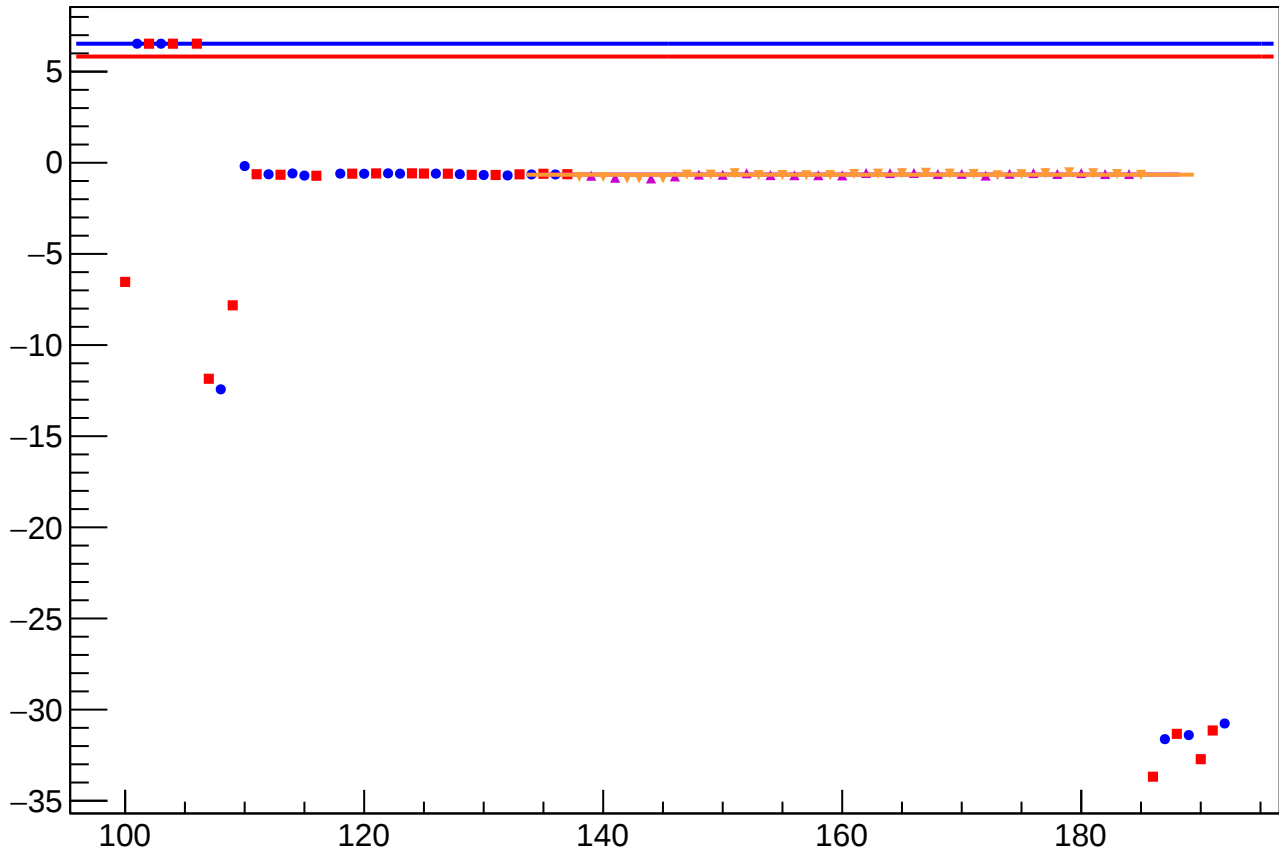
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 158.016 $\pm$ 0.022 χ^2 /NDF: 2595065.1/44

All: 157.950 $\pm$ 0.016 χ^2 /NDF: 5461577.7/90

- sign 157.883 $\pm$ 0.023 χ^2 /NDF: 2866495.3/45

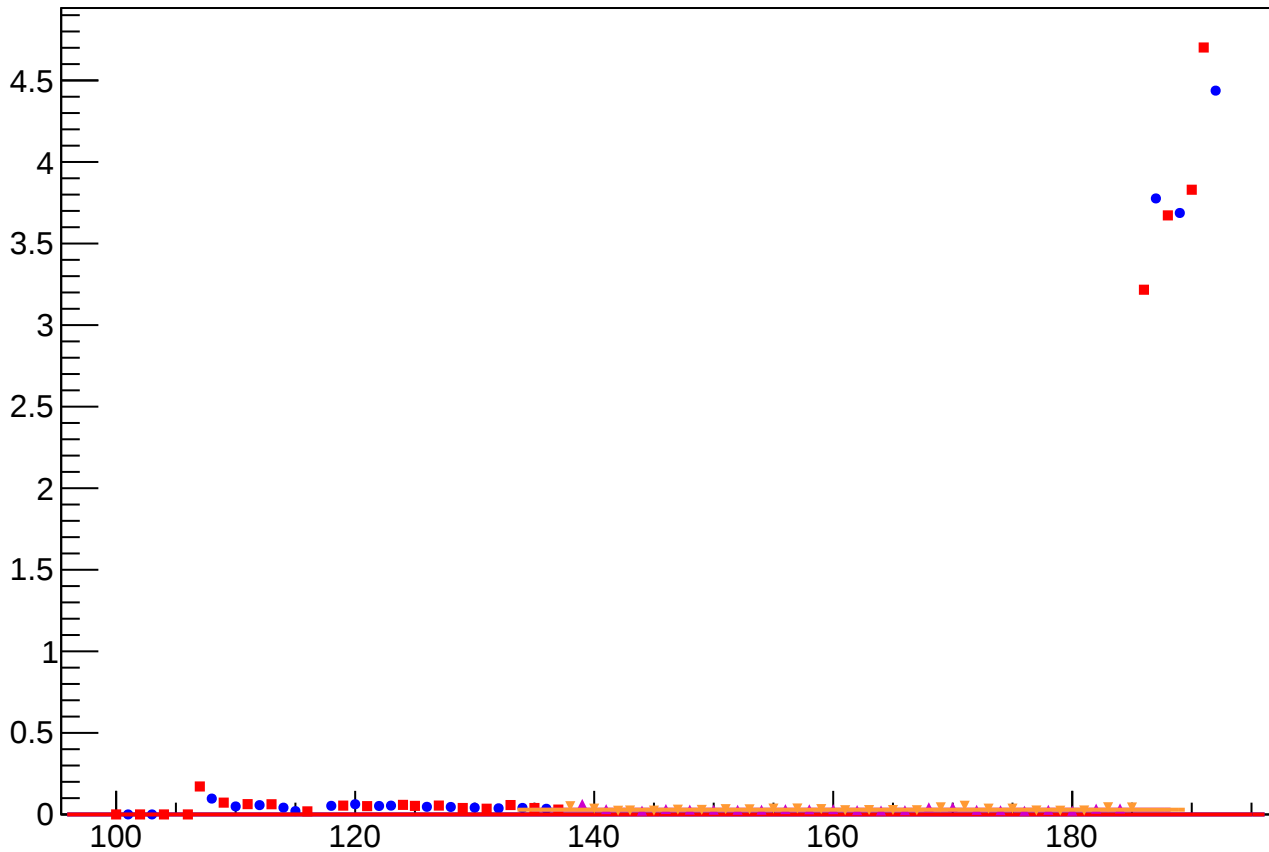
yield_cav4bX_mean vs Slug



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: 755947509385873.9/22
 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: 77760173894994.0/44
 - sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756618854004850.6/44

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 : 12936644.1/22

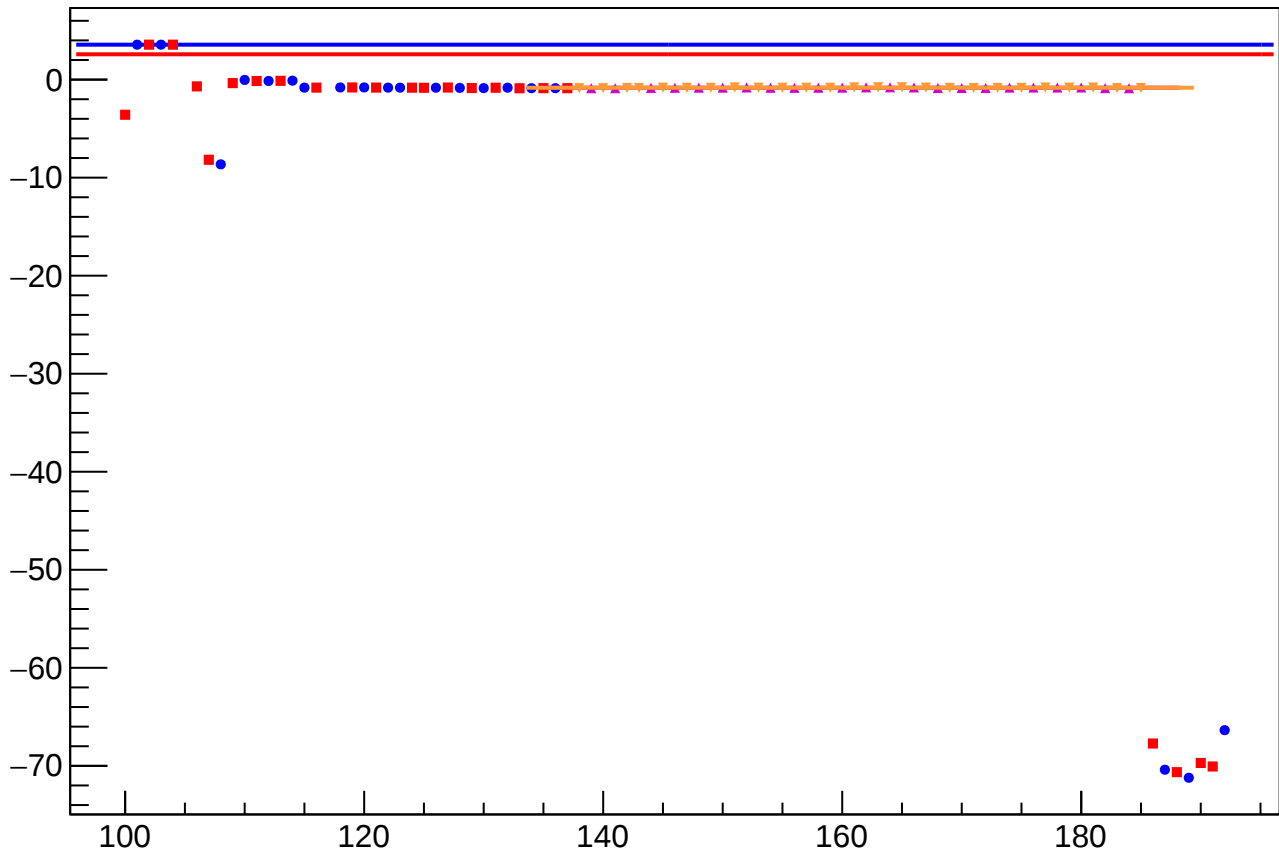
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 41880039.1/44

All: 0.000+/-0.000 χ^2/NDF : 82783077.3/90

- sign 0.000+/-0.000 χ^2/NDF : 40902353.8/45

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 490257120877.1/19

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253507389920230.0/22

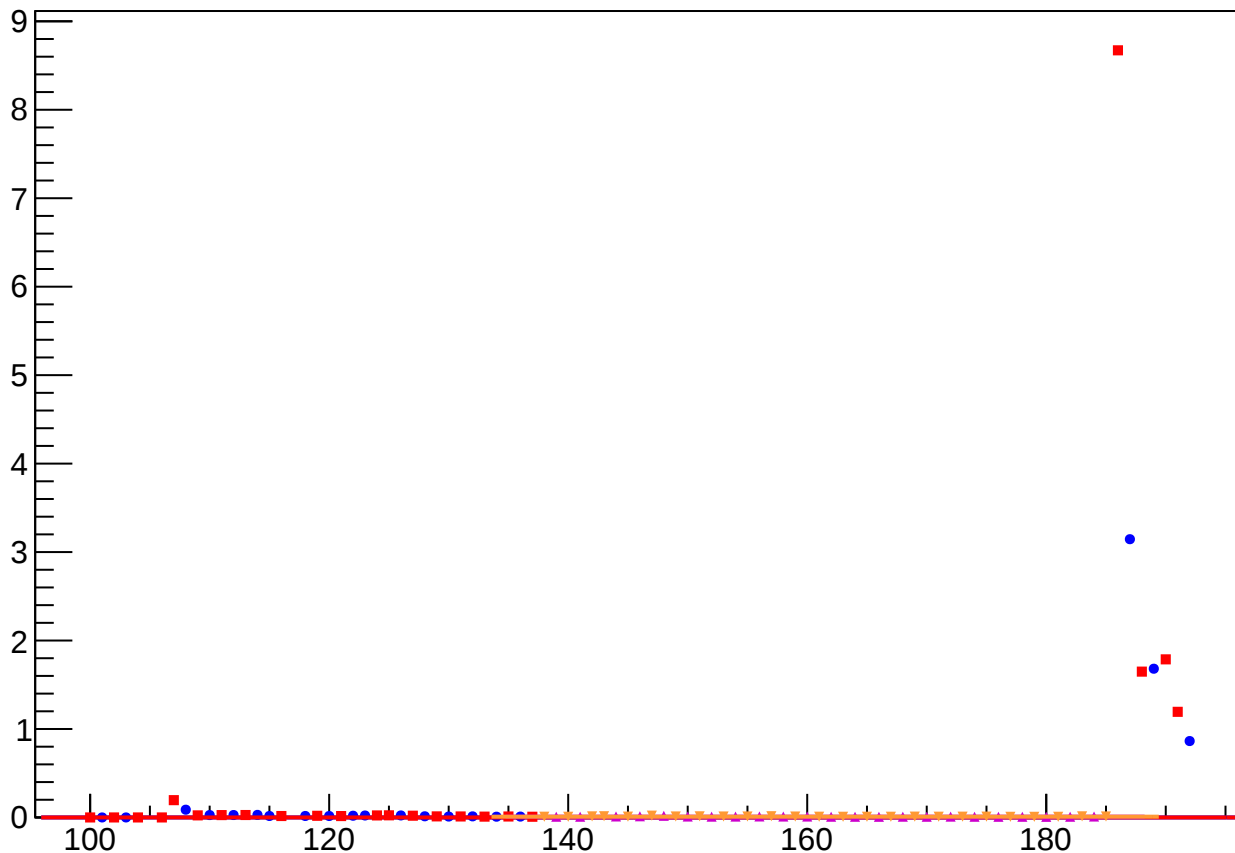
Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560+/-0.000 χ^2/NDF : 4172414046088.6/44

All: 3.038+/-0.000 χ^2/NDF : 13879552676885

- sign 2.581+/-0.000 χ^2/NDF : 1255707443229450.5

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 : 13114448.2/22

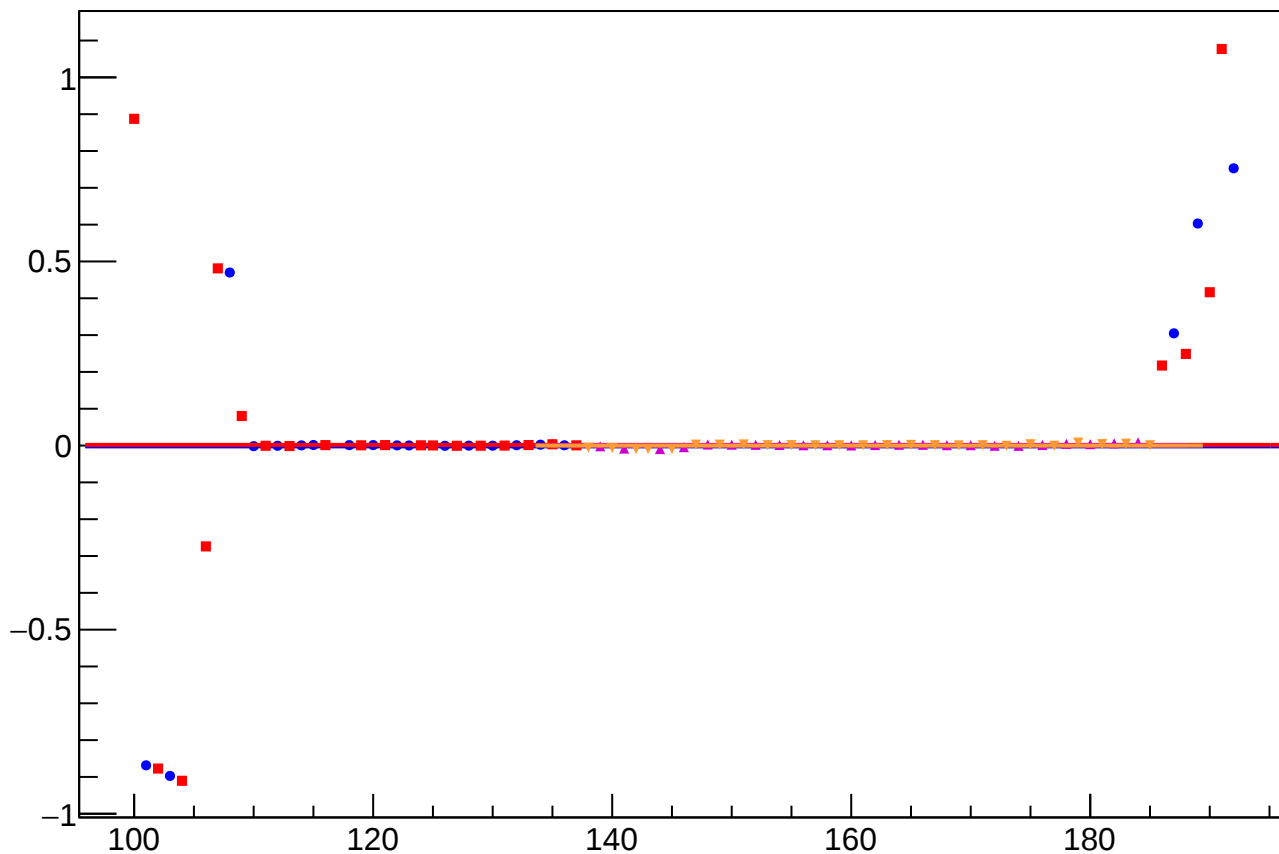
Left In: 0.009+/-0.000 χ^2/NDF : 1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 43680505.3/44

All: 0.000+/-0.000 χ^2/NDF : 86341671.6/90

- sign 0.000+/-0.000 χ^2/NDF : 42660040.8/45

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9795746641.5/19

Left Out: -0.000 ± 0.000 χ^2/NDF : 151482851.1/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041495544.5/22

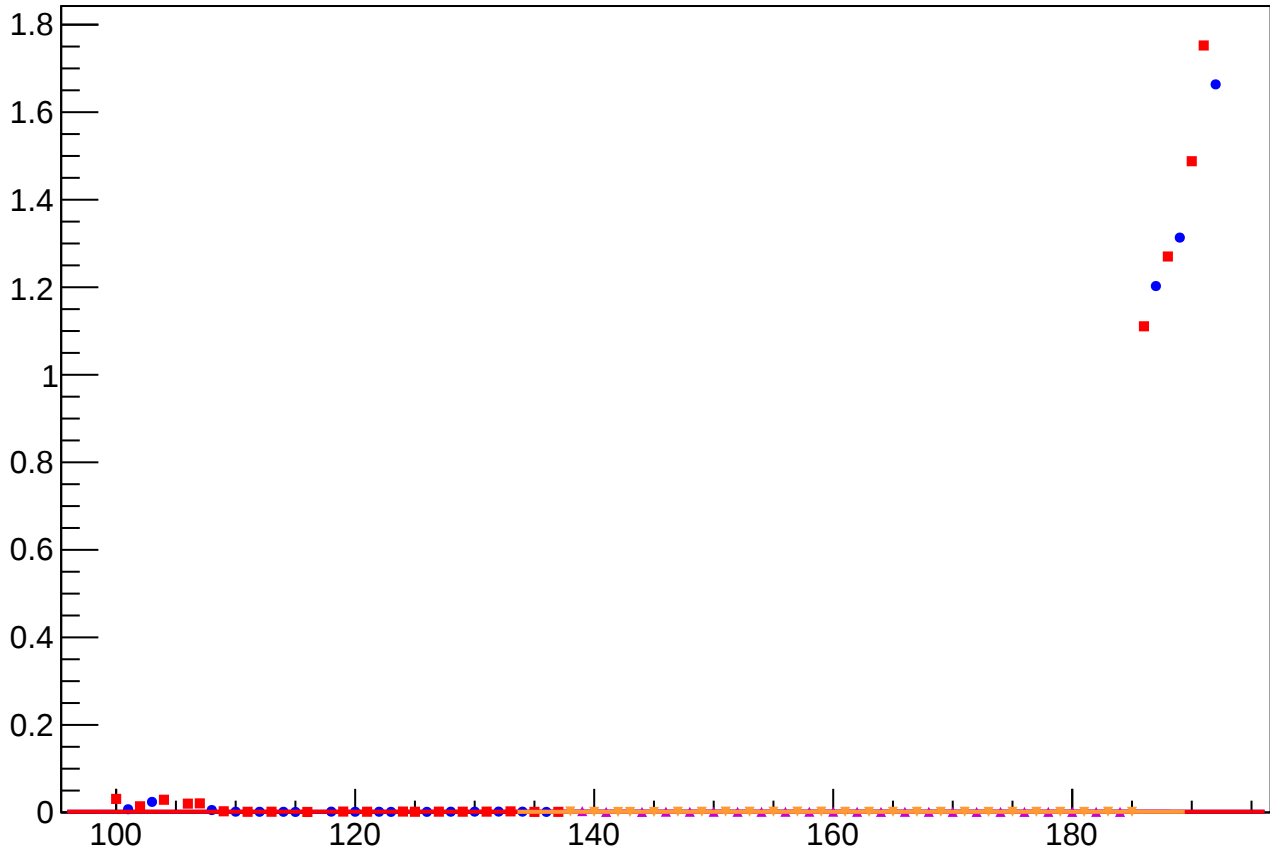
Left In: 0.001 ± 0.000 χ^2/NDF : 101439617.3/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9953766924.7/44

All: 0.000 ± 0.000 χ^2/NDF : 13106246790.8/9

- sign 0.001 ± 0.000 χ^2/NDF : 3144899379.4/45

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 : 6586385.9/22

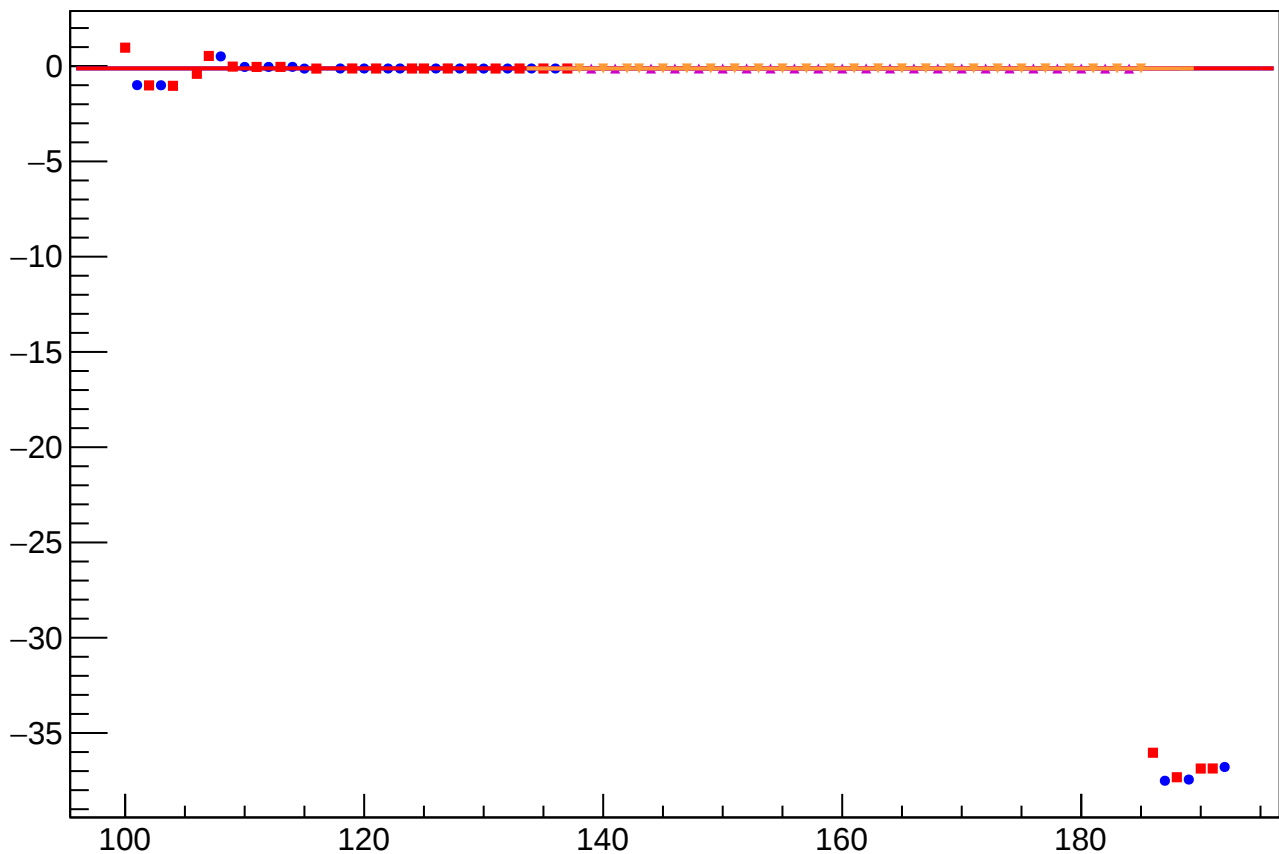
Left In: 0.001+/-0.000 χ^2/NDF : 626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 5516593.8/44

All: 0.002+/-0.000 χ^2/NDF : 12846034.3/90

- sign 0.002+/-0.000 χ^2/NDF : 7320520.1/45

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 : 10500826529.1/22

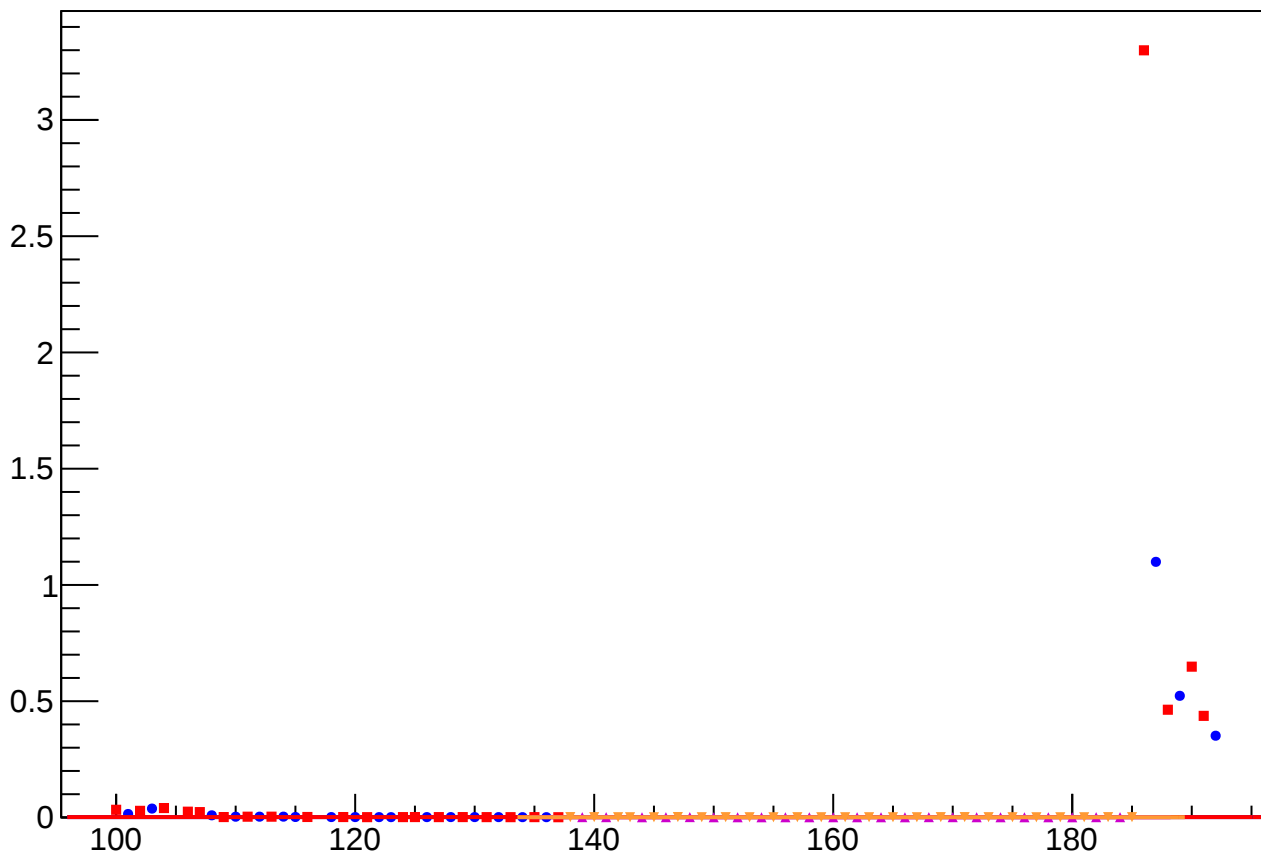
Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121+/-0.000 χ^2/NDF : 15420887493.0/44

All: -0.121+/-0.000 χ^2/NDF : 26027554662.9/45

- sign -0.120+/-0.000 χ^2/NDF : 10602434951.8/45

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 : 6989176.4/22

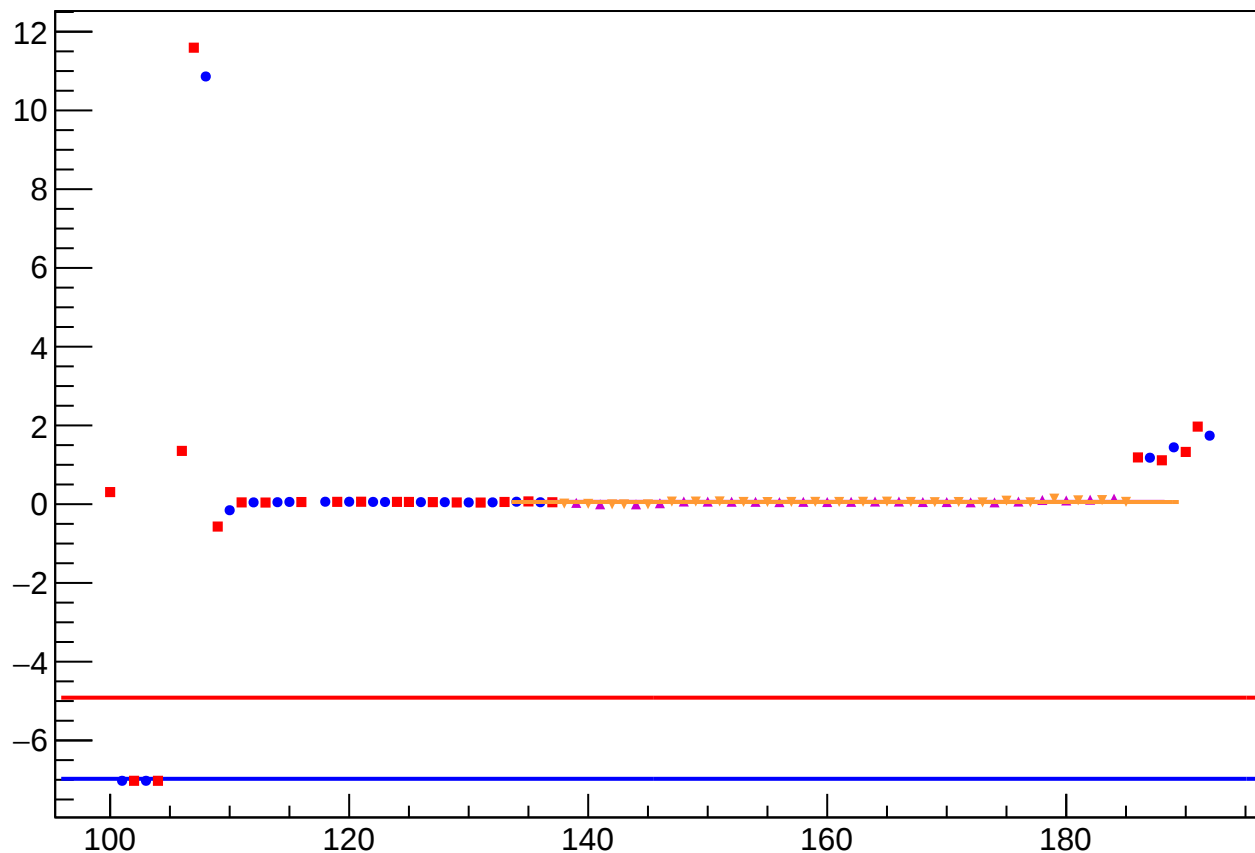
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 8244569.8/44

All: 0.001+/-0.000 χ^2/NDF : 17317110.3/90

- sign 0.001+/-0.000 χ^2/NDF : 9070749.9/45

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 : 365352705676011.7/22

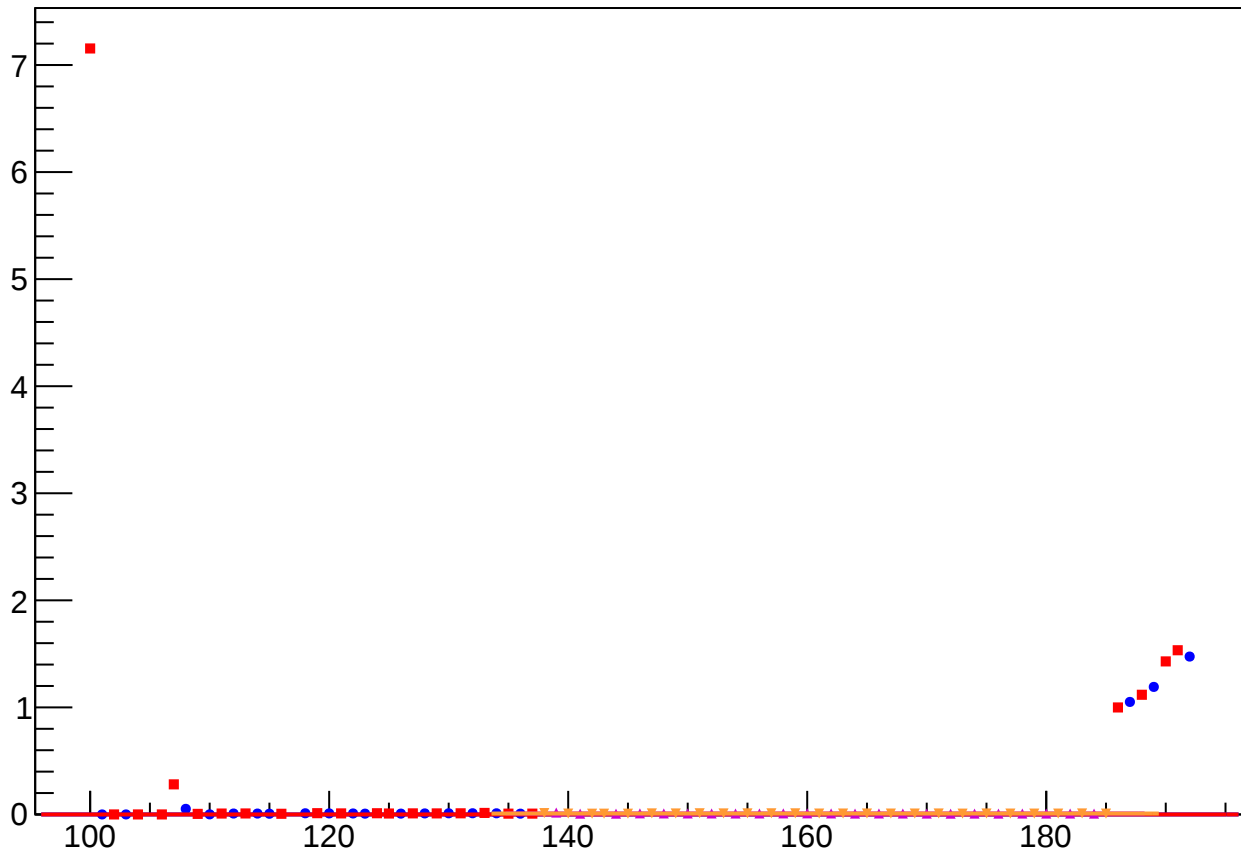
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18423735143403.2/19

All: -5.858 ± 0.000 χ^2/NDF : 4435286738400.0/19

- sign -4.882 ± 0.000 χ^2/NDF : 369731726580565.2/19

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 : 12353148.0/22

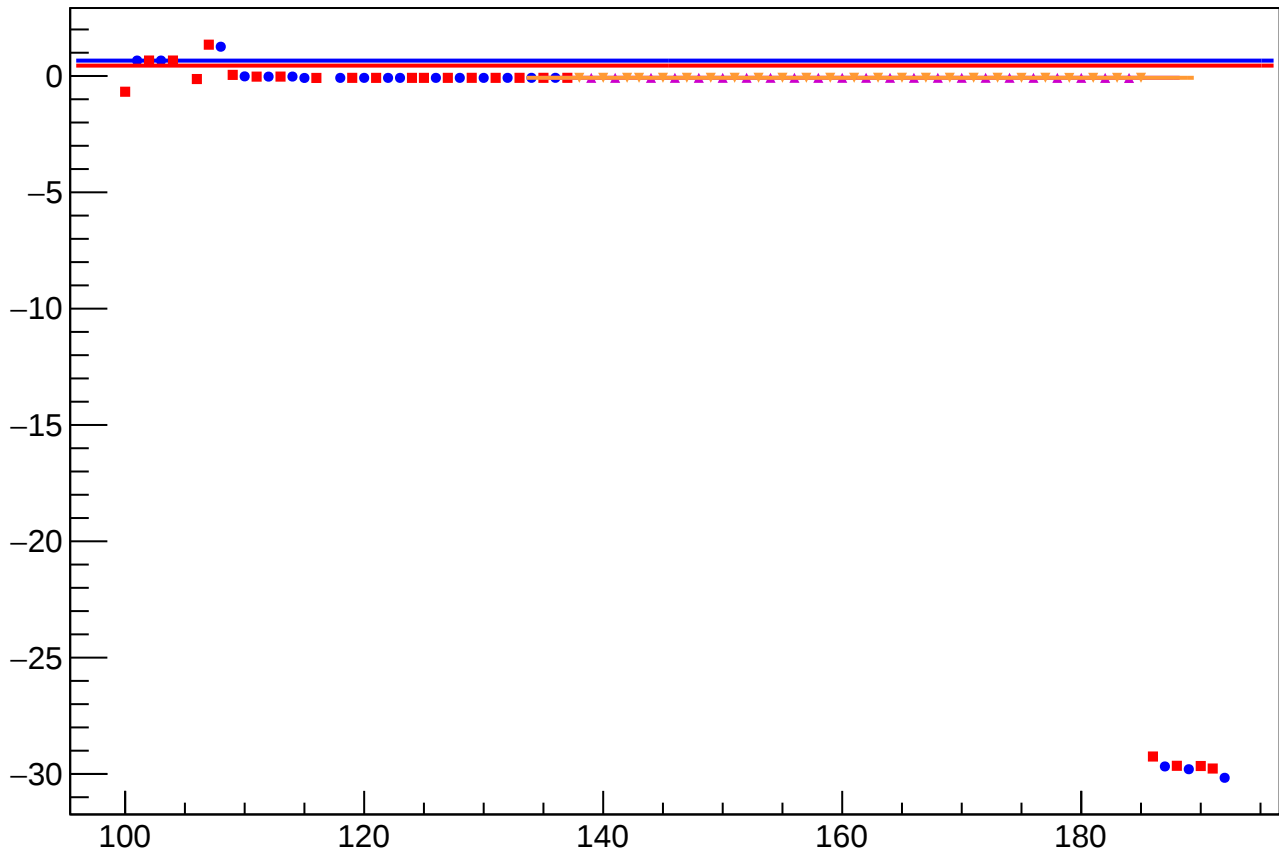
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 40244345.1/44

All: 0.000+/-0.000 χ^2/NDF : 80058944.1/90

- sign 0.000+/-0.000 χ^2/NDF : 39809783.7/45

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: 405436328660663.9/22

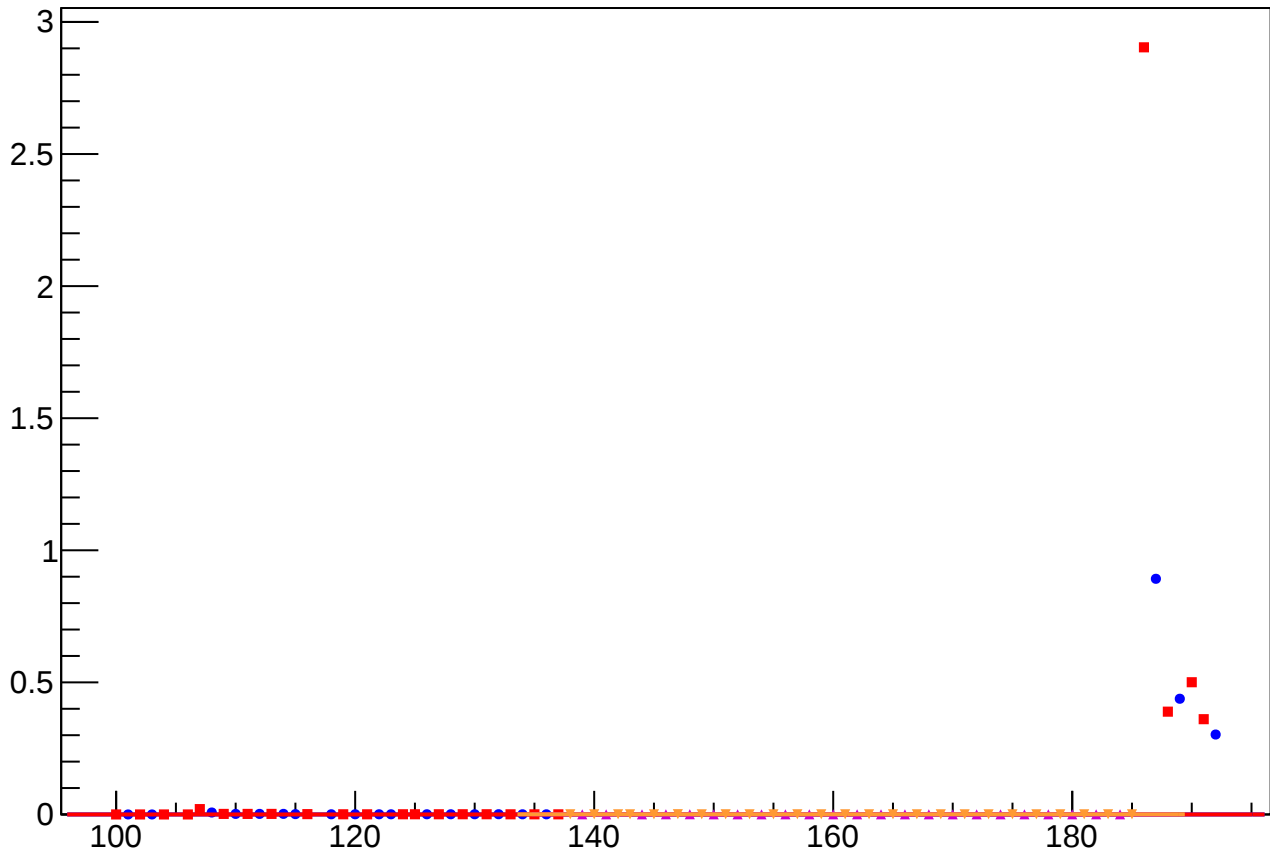
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 110762924.1/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35768956140740.3/4

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51586419457320

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419558382564998.8/4

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: 12977937.1/22

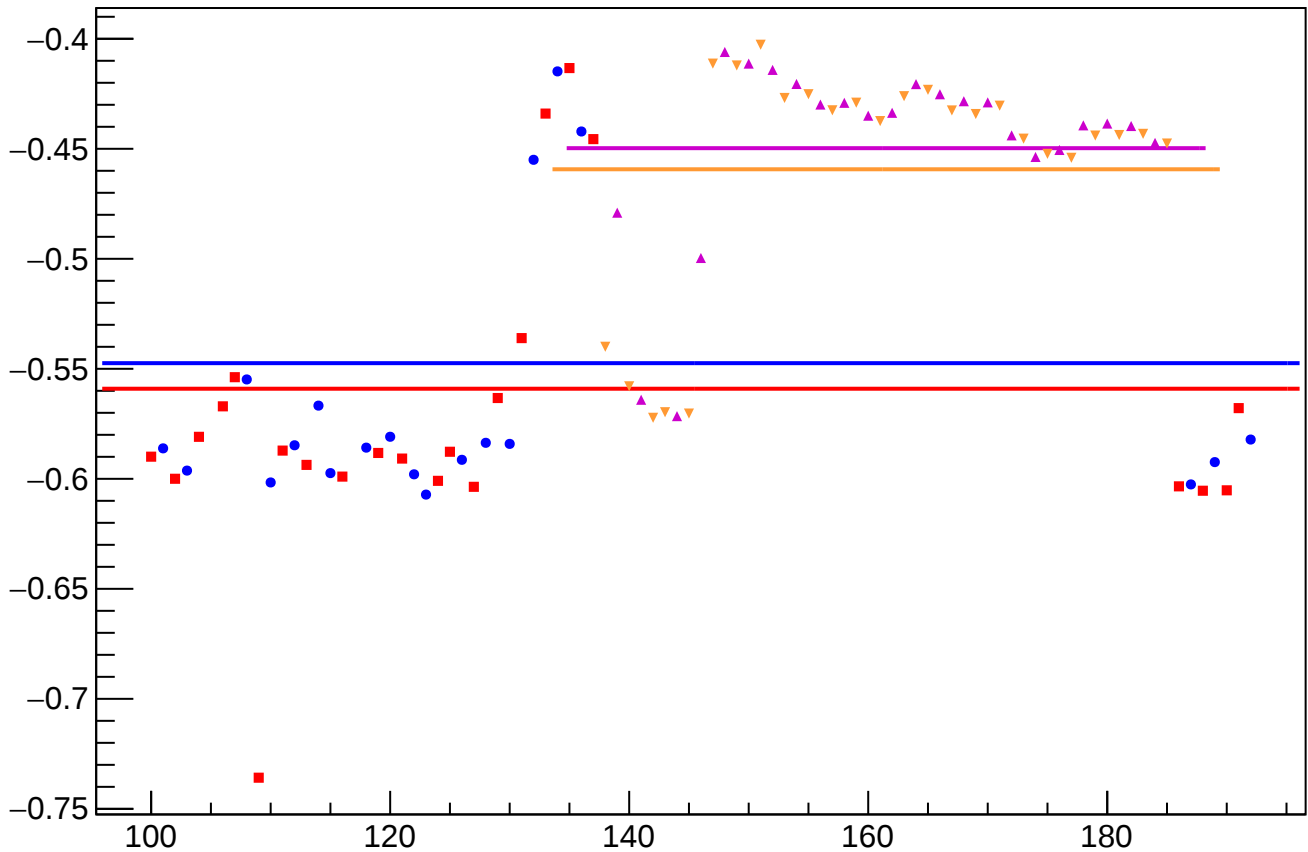
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:355509.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 45447946.3/44

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 89227063.7/90

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 43771285.2/45

yield_bpm4aX_mean vs Slug



Right In: -0.547+/-0.000 χ^2/NDF : 47158276.5/19

Left Out: -0.459+/-0.000 χ^2/NDF : 113602161.0/24

Right Out: -0.559+/-0.000 χ^2/NDF : 65515251.2/22

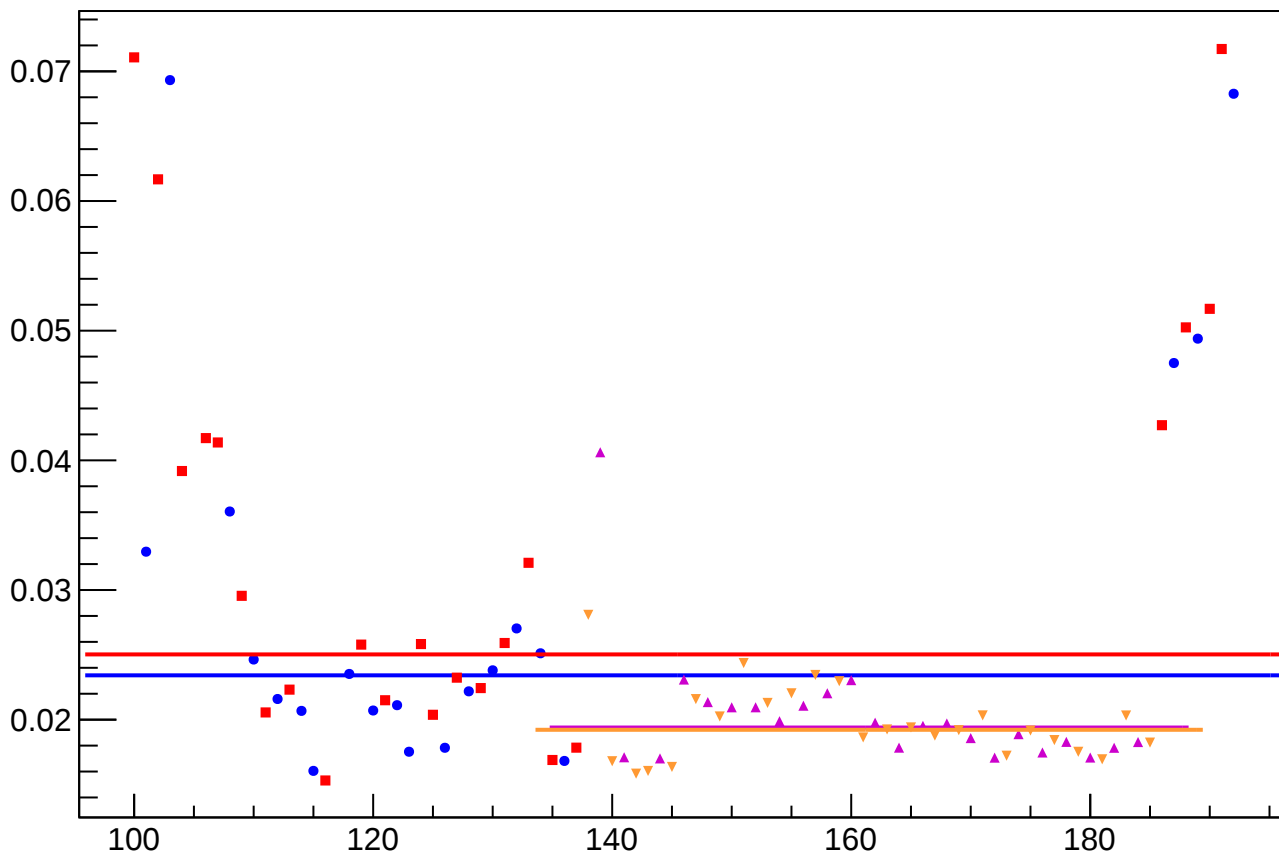
Left In: -0.450+/-0.000 χ^2/NDF : 76117957.8/22

+ sign -0.478+/-0.000 χ^2/NDF : 227695333.3/44

All: -0.476+/-0.000 χ^2/NDF : 467812743.8/90

- sign -0.474+/-0.000 χ^2/NDF : 239655705.5/45

yield_bpm4aX_rms vs Slug



Right In: 0.023 ± 0.000 χ^2/NDF : 2101580.8/19

Left Out: 0.019 ± 0.000 χ^2/NDF : 501711.6/24

Right Out: 0.025 ± 0.000 χ^2/NDF : 2147866.2/22

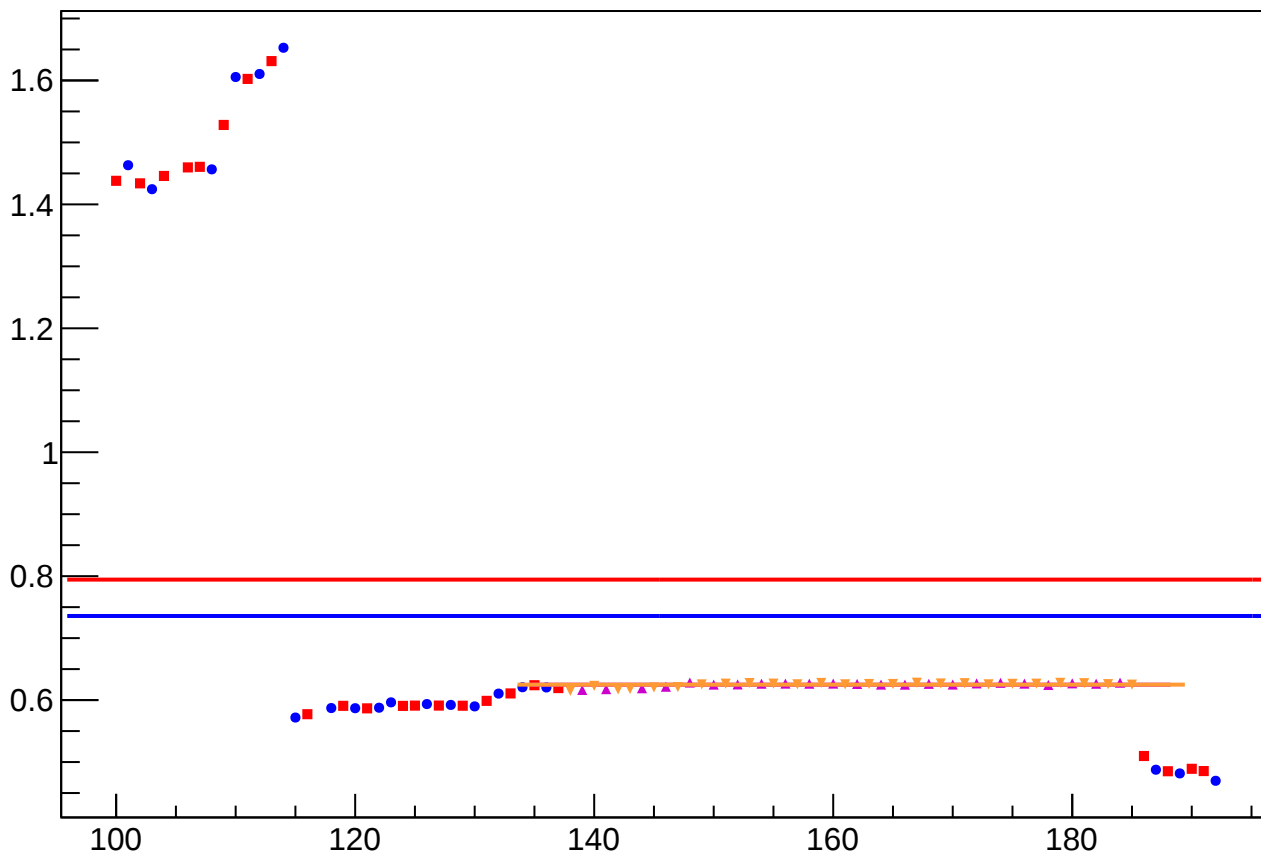
Left In: 0.019 ± 0.000 χ^2/NDF : 626443.5/22

+ sign 0.020 ± 0.000 χ^2/NDF : 2907366.9/44

All: 0.020 ± 0.000 χ^2/NDF : 6216502.1/90

- sign 0.021 ± 0.000 χ^2/NDF : 3295796.2/45

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: 0.794 $\pm$ 0.000 χ^2 /NDF: 4534891841.5/22

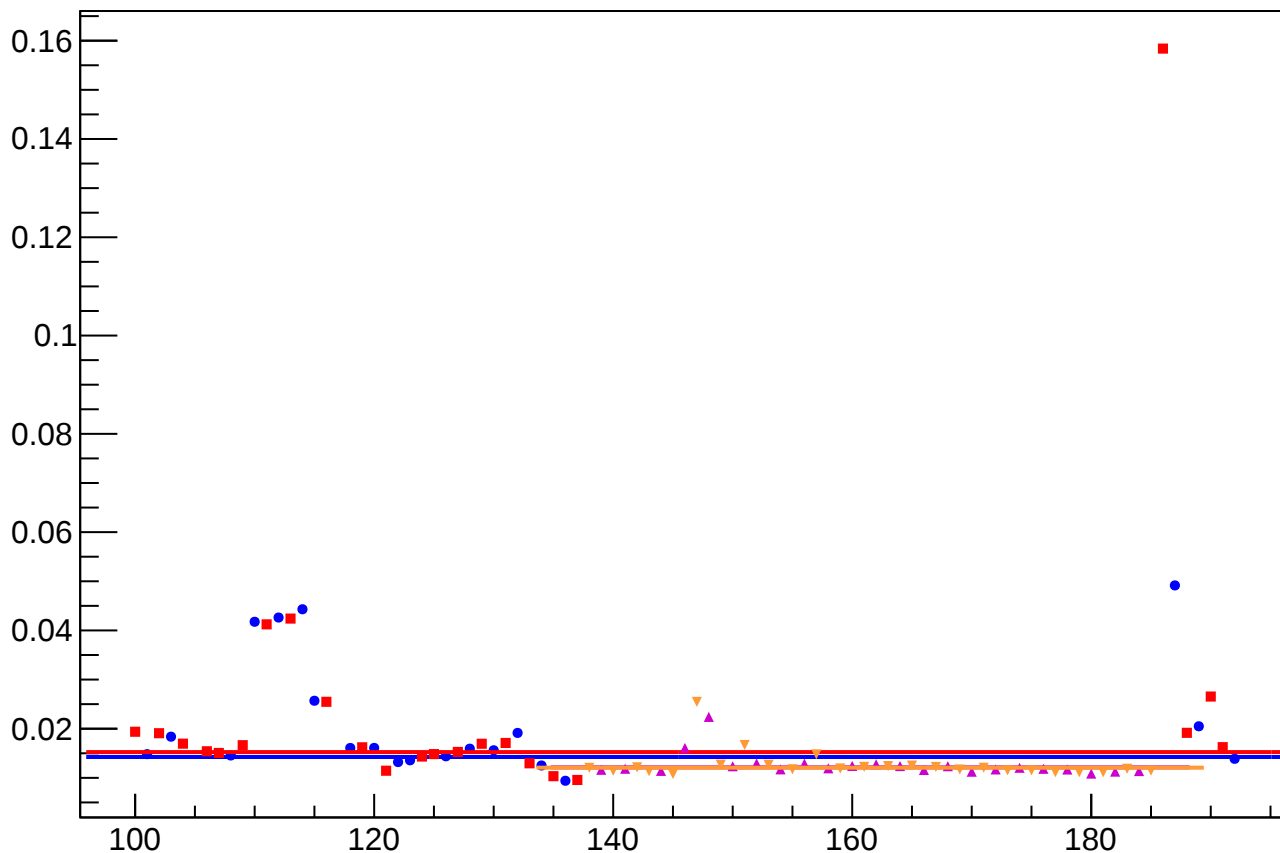
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.649 $\pm$ 0.000 χ^2 /NDF: 4381400391.0/44

All: 0.655 $\pm$ 0.000 χ^2 /NDF: 9637406621.3/90

- sign 0.662 $\pm$ 0.000 χ^2 /NDF: 5244772610.6/45

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 : 2040544.4/22

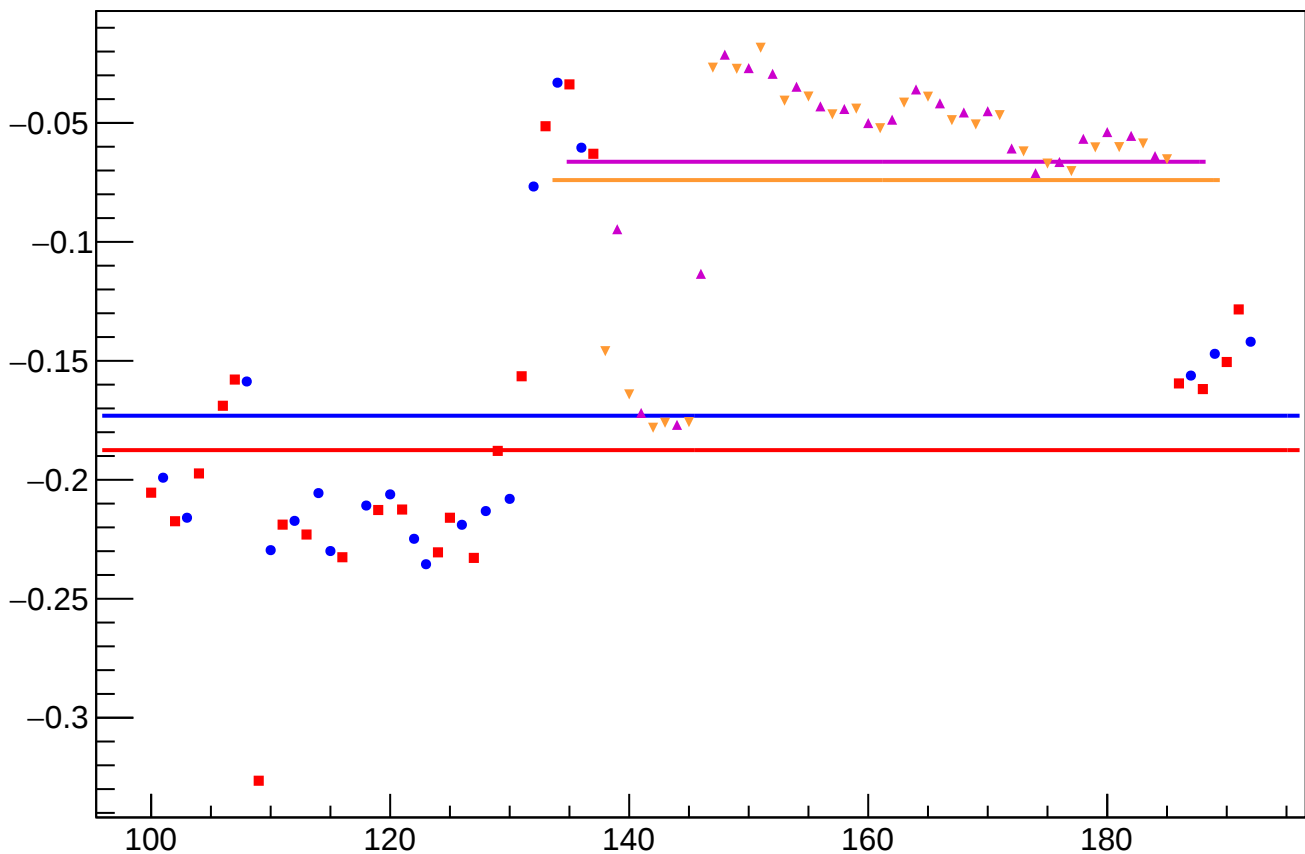
Left In: 0.012 ± 0.000 χ^2/NDF : 488363.6/22

+ sign 0.013 ± 0.000 χ^2/NDF : 2533454.2/44

All: 0.013 ± 0.000 χ^2/NDF : 5548415.4/90

- sign 0.013 ± 0.000 χ^2/NDF : 3004850.8/45

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: -0.188+/-0.000 χ^2/NDF : 82651040.1/22

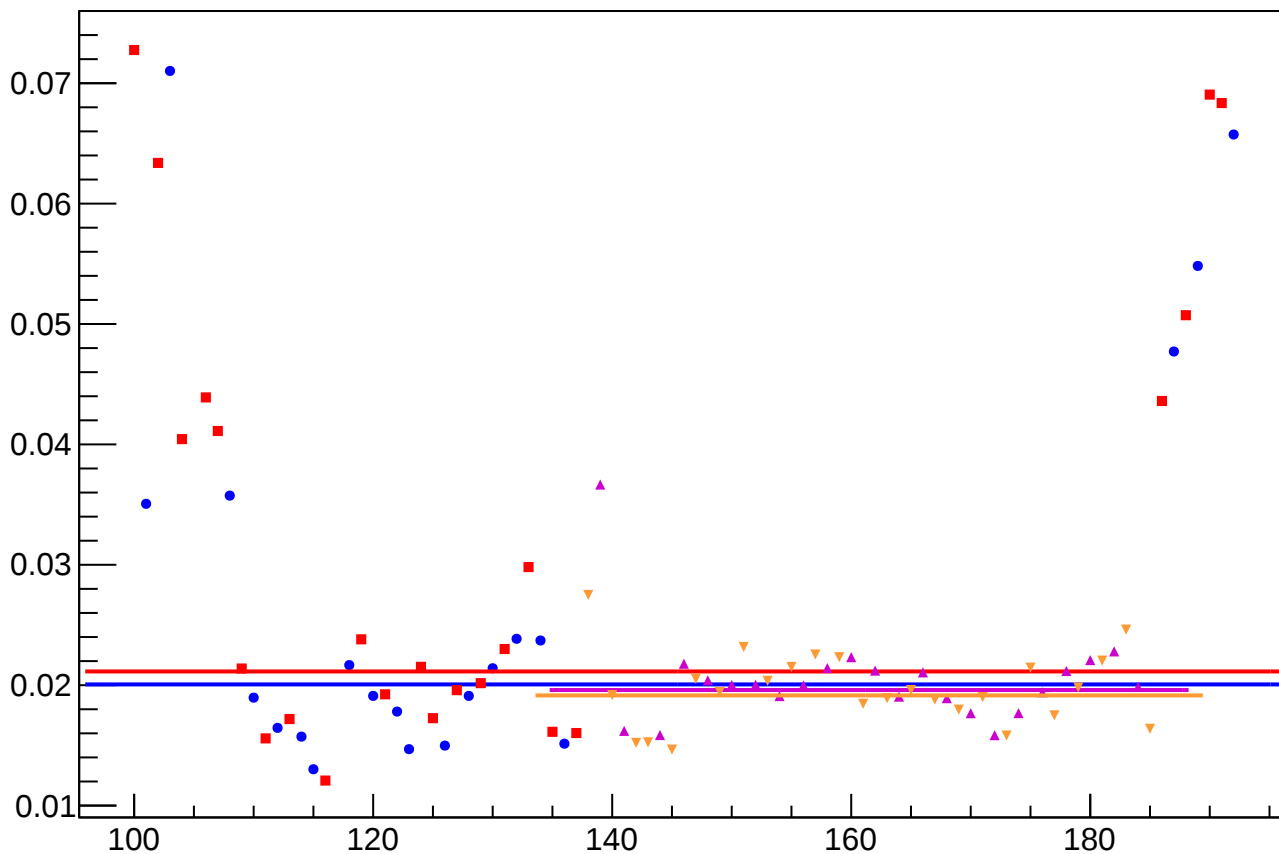
Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

+ sign -0.100+/-0.000 χ^2/NDF : 279573443.5/44

All: -0.100+/-0.000 χ^2/NDF : 588152907.9/90

- sign -0.100+/-0.000 χ^2/NDF : 308578730.4/45

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: 0.021 $\pm$ 0.000 χ^2 /NDF: 2844857.5/22

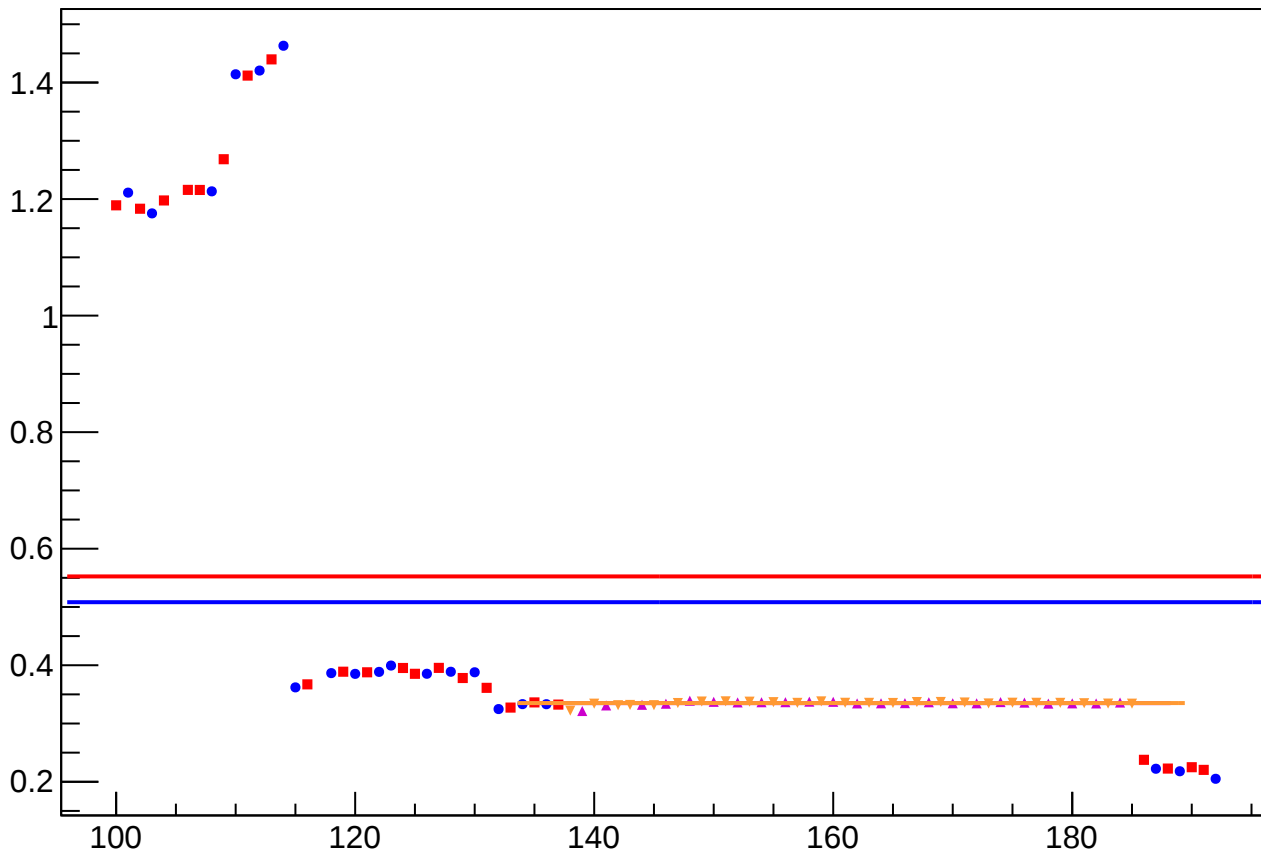
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 623148.2/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 3238550.2/44

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 6776427.1/90

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 3516496.1/45

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

Right Out: 0.552 $\pm$ 0.000 χ^2 /NDF: 6280368764.0/22

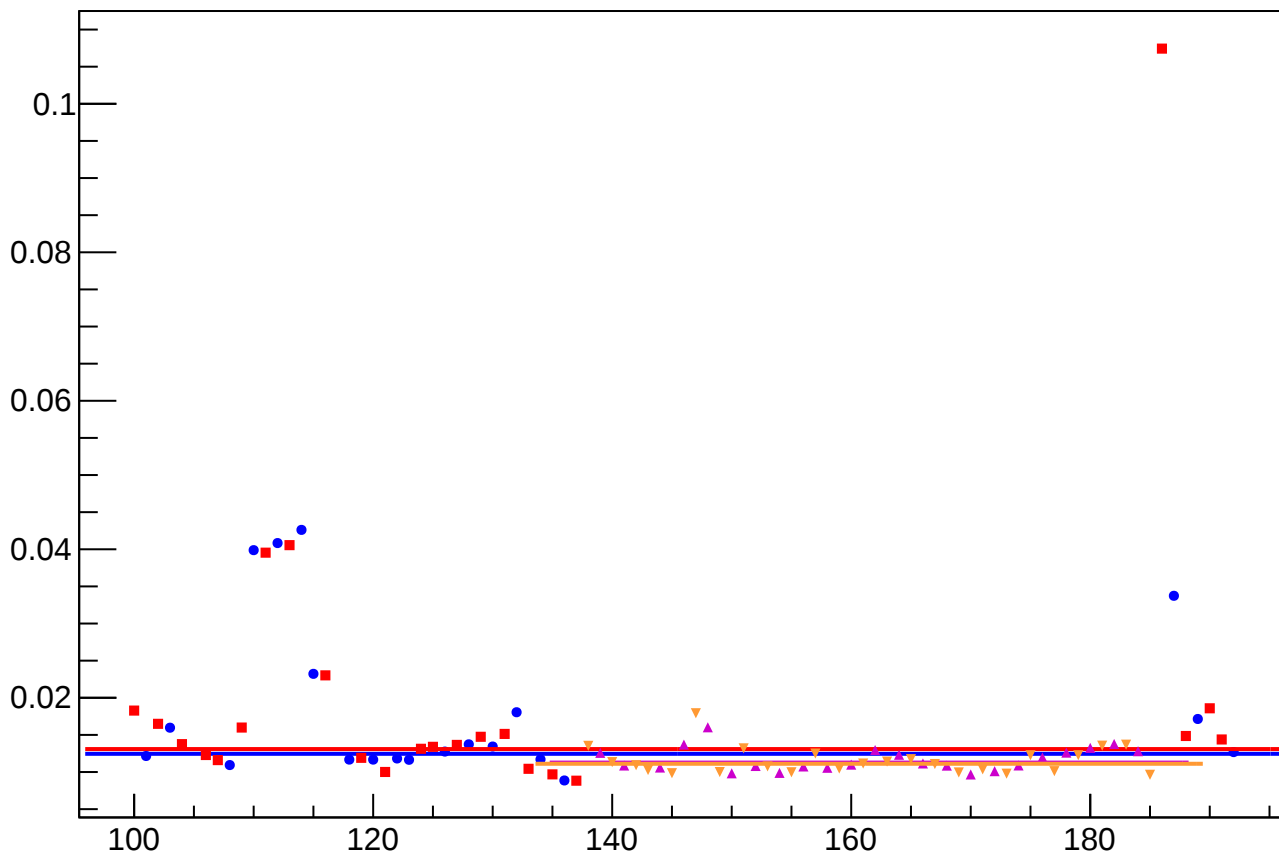
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1202194.8/22

+ sign 0.377 $\pm$ 0.000 χ^2 /NDF: 6836173515.6/44

All: 0.383 $\pm$ 0.000 χ^2 /NDF: 14647719702.1/9

- sign 0.389 $\pm$ 0.000 χ^2 /NDF: 7799331694.4/45

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1491966.3/19

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:607532.0/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1918182.1/22

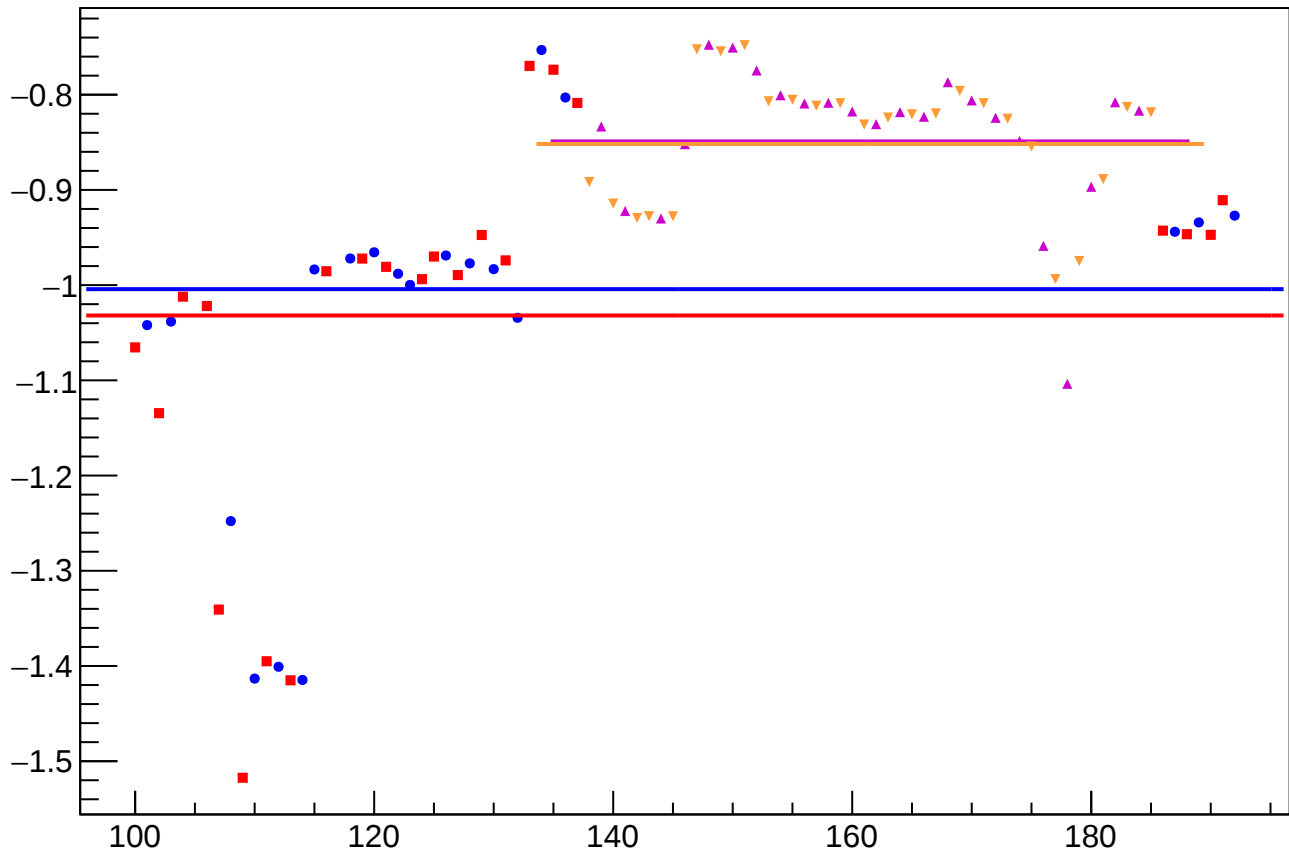
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502455.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2223068.8/44

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4870968.8/90

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2633348.0/45

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: -1.032 ± 0.000 χ^2/NDF : 541881238.8/22

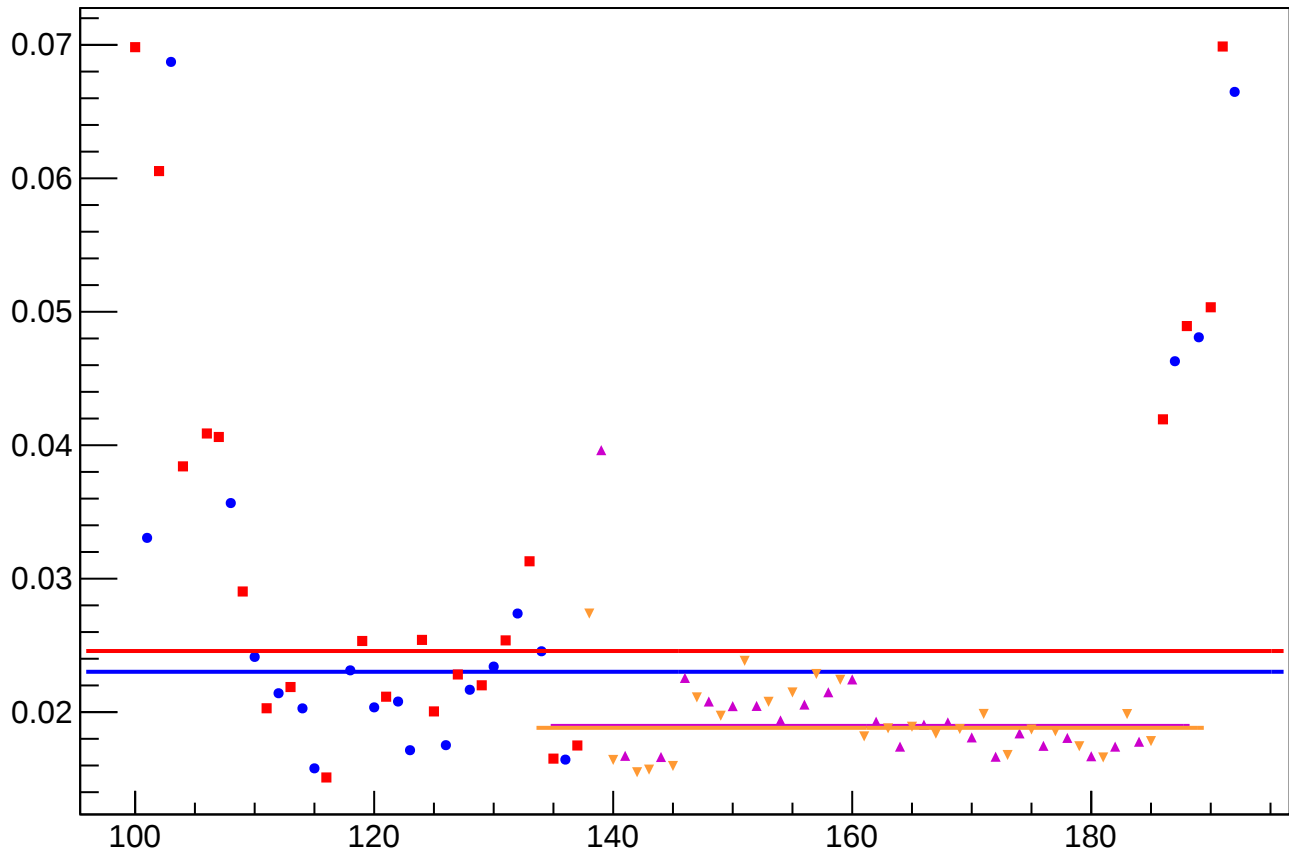
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.884 ± 0.000 χ^2/NDF : 792816984.3/44

All: -0.887 ± 0.000 χ^2/NDF : 1876314075.5/9

- sign -0.889 ± 0.000 χ^2/NDF : 1082871539.9/45

yield_bpm4acX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 2113527.2/19

Left Out: 0.019+/-0.000 χ^2/NDF :490509.4/24

Right Out: 0.025+/-0.000 χ^2/NDF : 2132671.6/22

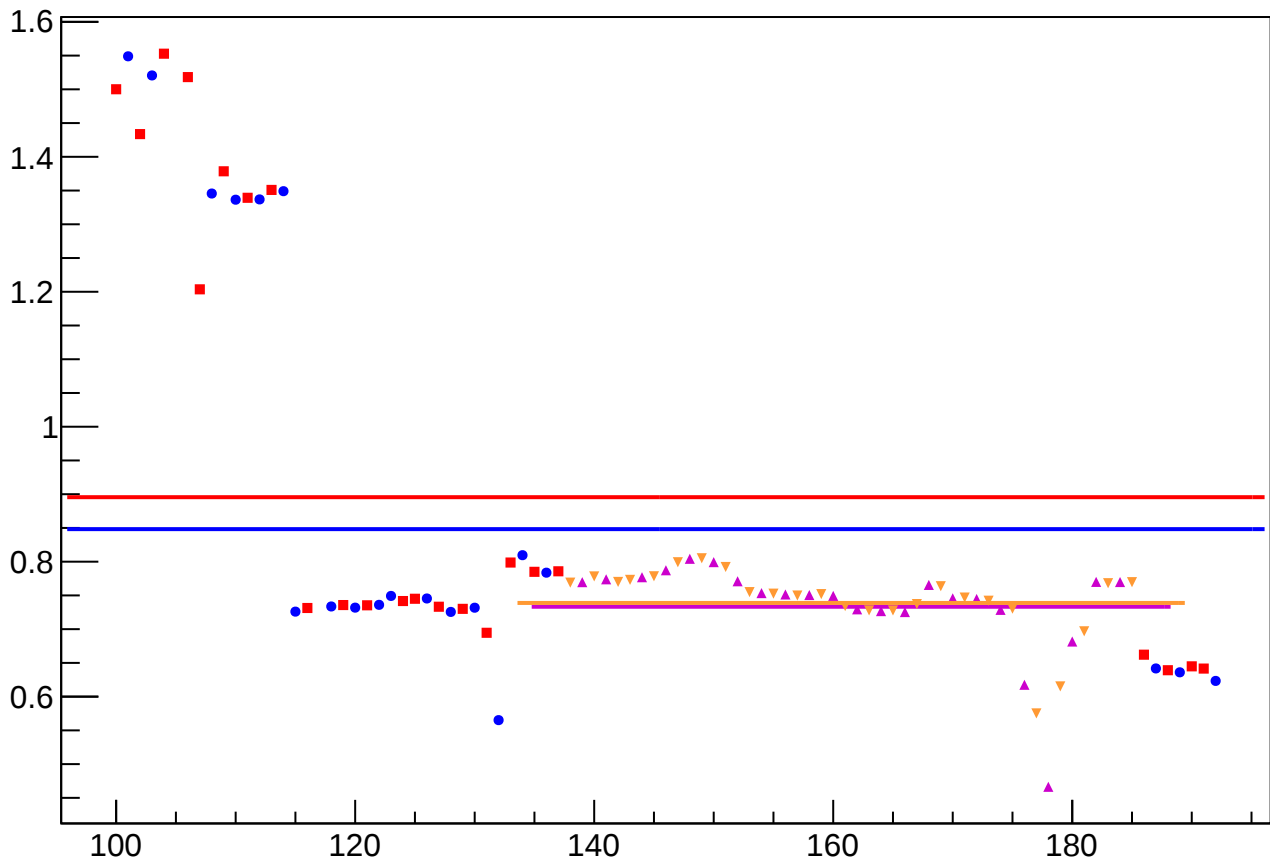
Left In: 0.019+/-0.000 χ^2/NDF :615173.8/22

+ sign 0.020+/-0.000 χ^2/NDF : 2919068.3/44

All: 0.020+/-0.000 χ^2/NDF : 6215187.1/90

- sign 0.020+/-0.000 χ^2/NDF : 3284290.0/45

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

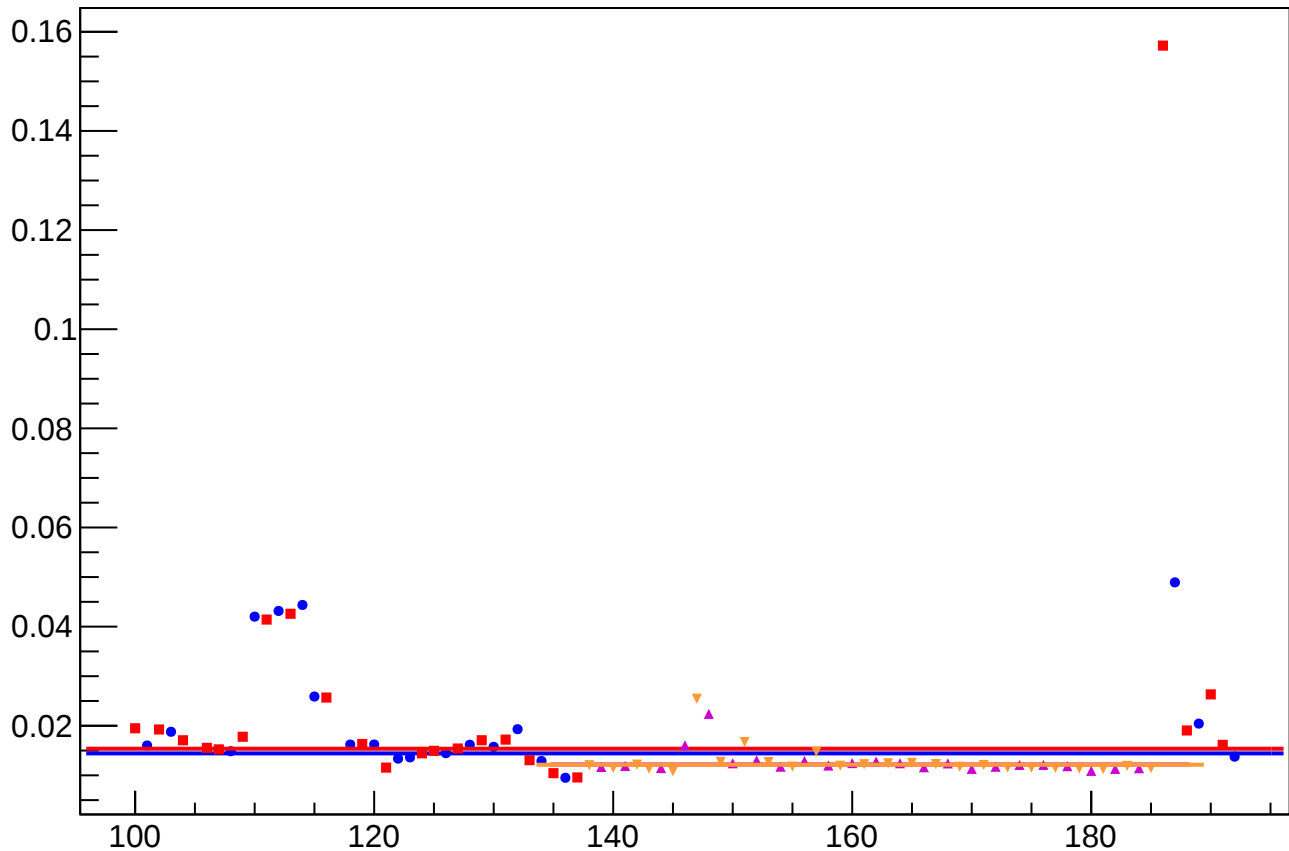
Right Out: 0.896 $\pm$ 0.000 χ^2 /NDF: 2688803000.1/22

All: 0.765 $\pm$ 0.000 χ^2 /NDF: 7285581791.7/90

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

- sign 0.768 $\pm$ 0.000 χ^2 /NDF: 3896927799.5/45

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 : 2034387.6/22

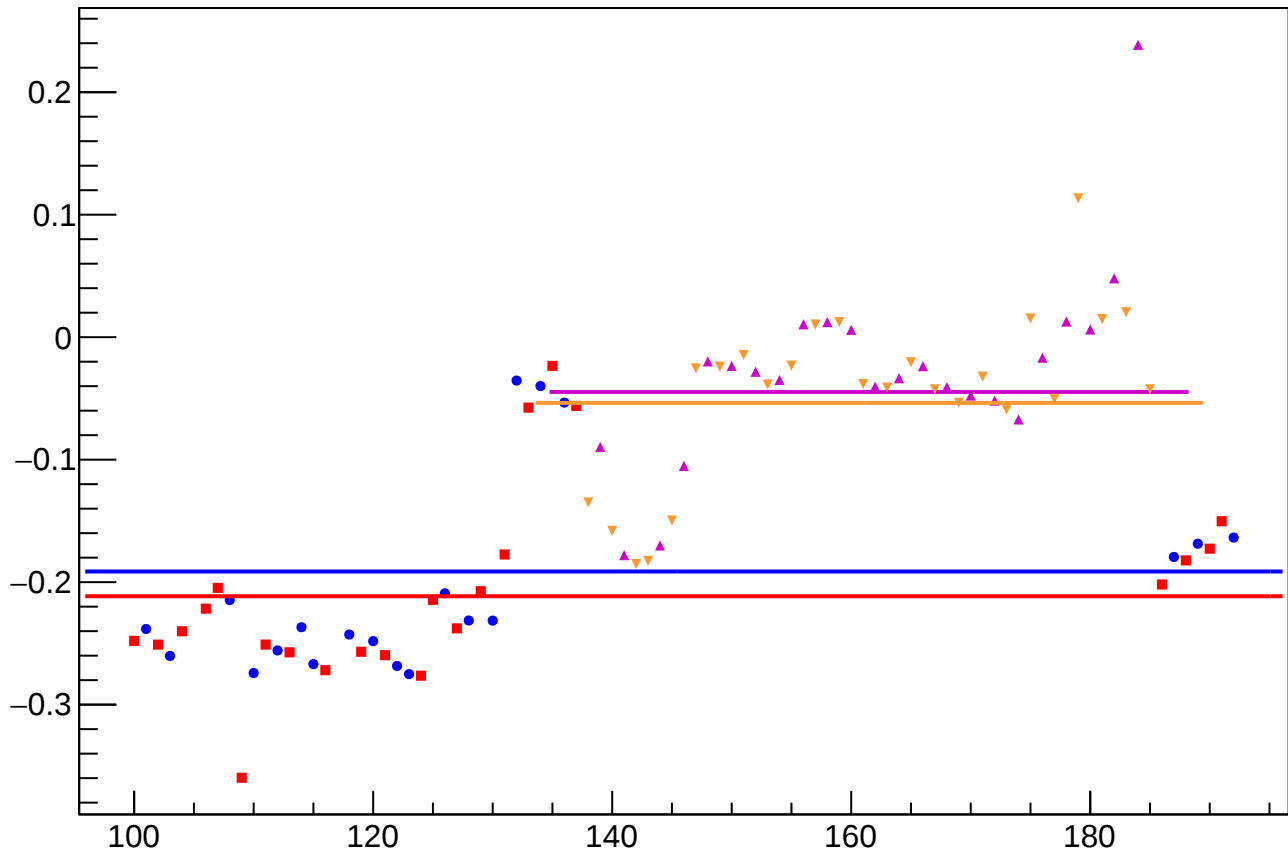
Left In: 0.012+/-0.000 χ^2/NDF : 481830.1/22

+ sign 0.013+/-0.000 χ^2/NDF : 2538571.7/44

All: 0.013+/-0.000 χ^2/NDF : 5552935.1/90

- sign 0.013+/-0.000 χ^2/NDF : 3005993.9/45

yield_bpm4ecX_mean vs Slug



Right In: -0.191 ± 0.000 $\chi^2/\text{NDF}: 106448170.8/19$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167834173.6/24$

Right Out: -0.211 ± 0.000 $\chi^2/\text{NDF}: 111139501.0/22$

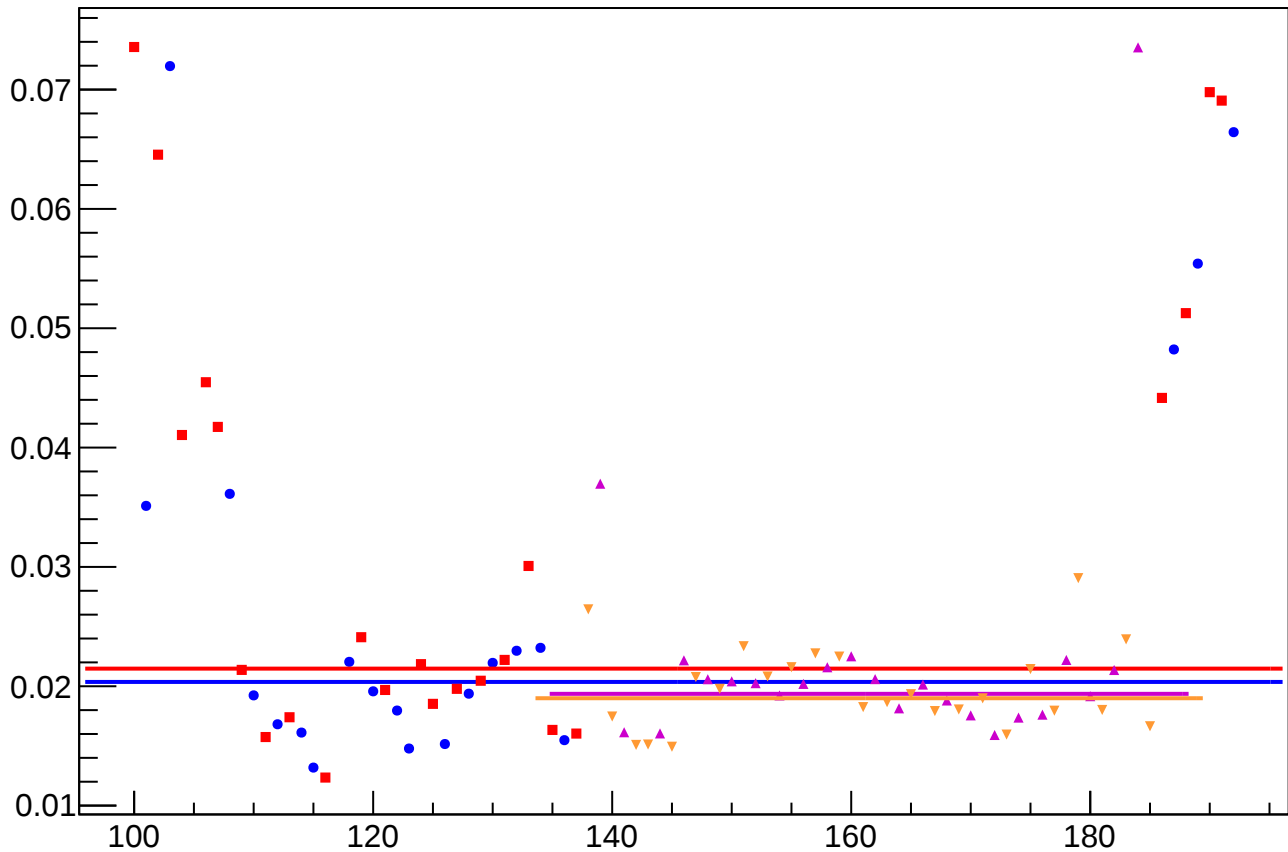
Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127192425.2/22$

+ sign -0.089 ± 0.000 $\chi^2/\text{NDF}: 471791088.4/44$

All: -0.089 ± 0.000 $\chi^2/\text{NDF}: 986582949.4/90$

- sign -0.090 ± 0.000 $\chi^2/\text{NDF}: 514785343.4/45$

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: 0.021 $\pm$ 0.000 χ^2 /NDF: 2827953.2/22

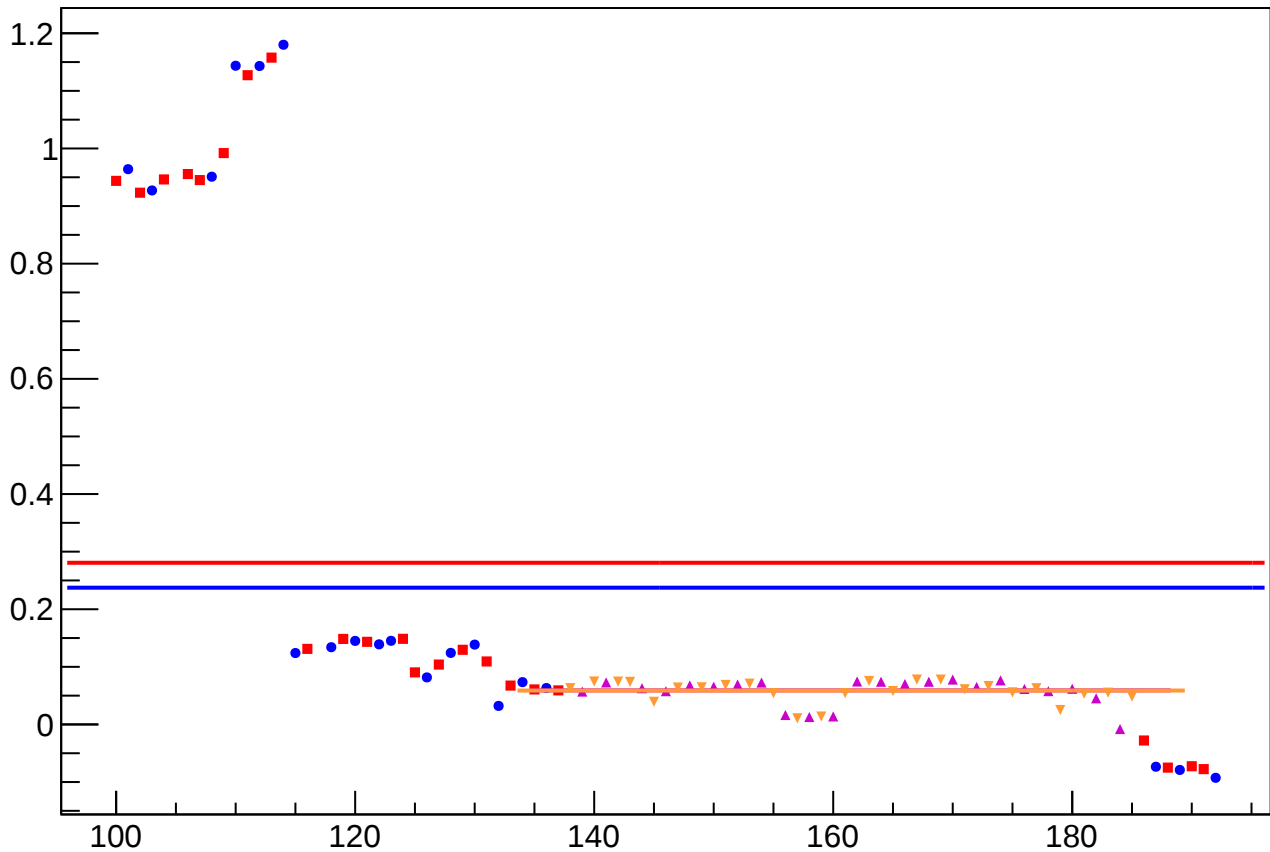
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 3284151.3/44

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 7077047.3/90

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 3774914.2/45

yield_bpm4ecY_mean vs Slug



Right In: 0.237+/-0.000 χ^2/NDF : 6104295143.1/19

Left Out: 0.059+/-0.000 χ^2/NDF : 46821236.8/24

+ sign 0.102+/-0.000 χ^2/NDF : 7263812979.8/44

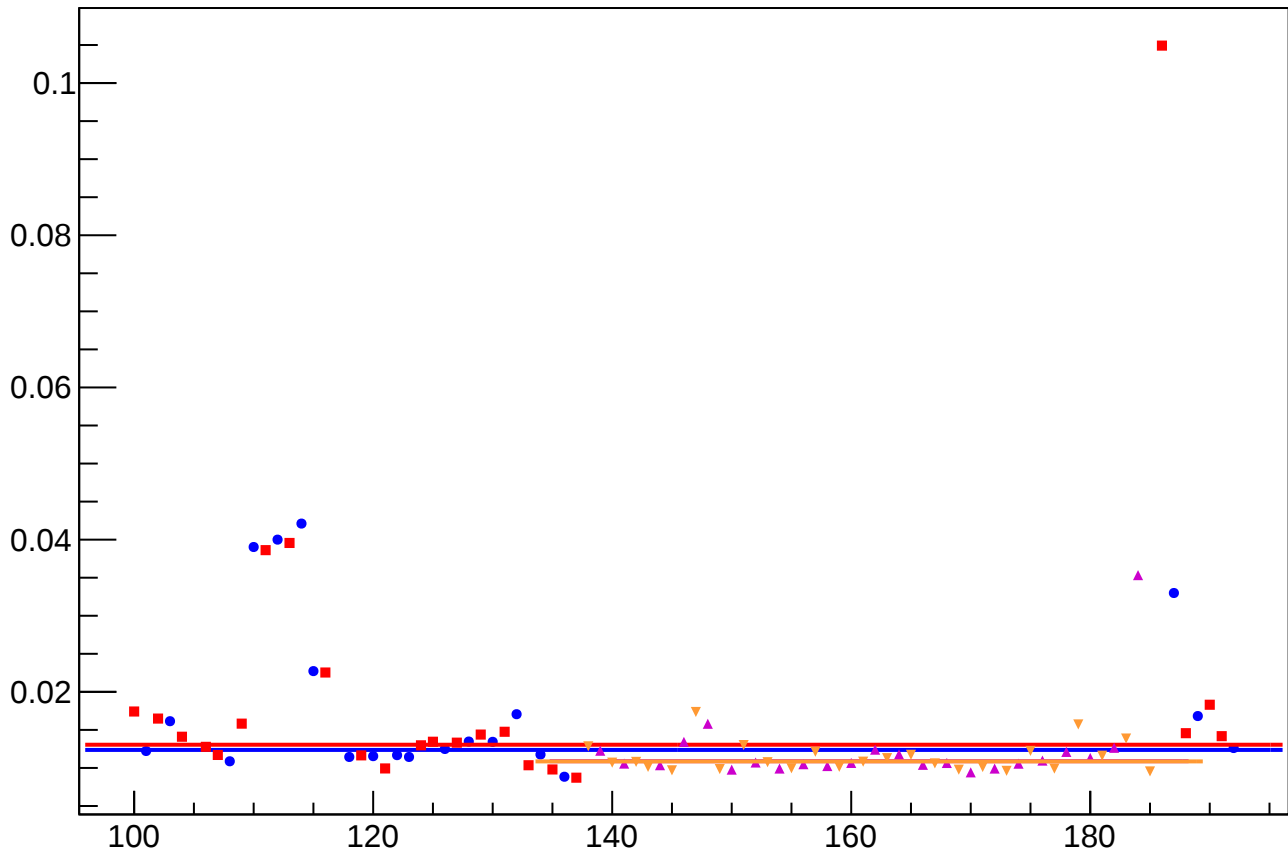
Right Out: 0.281+/-0.000 χ^2/NDF : 6382792545.8/22

All: 0.107+/-0.000 χ^2/NDF : 15318369234.1/9

- sign 0.112+/-0.000 χ^2/NDF : 8044950643.6/45

Left In: 0.059+/-0.000 χ^2/NDF : 58518655.0/22

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1458189.5/19

Left Out: 0.011+/-0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1871029.3/22

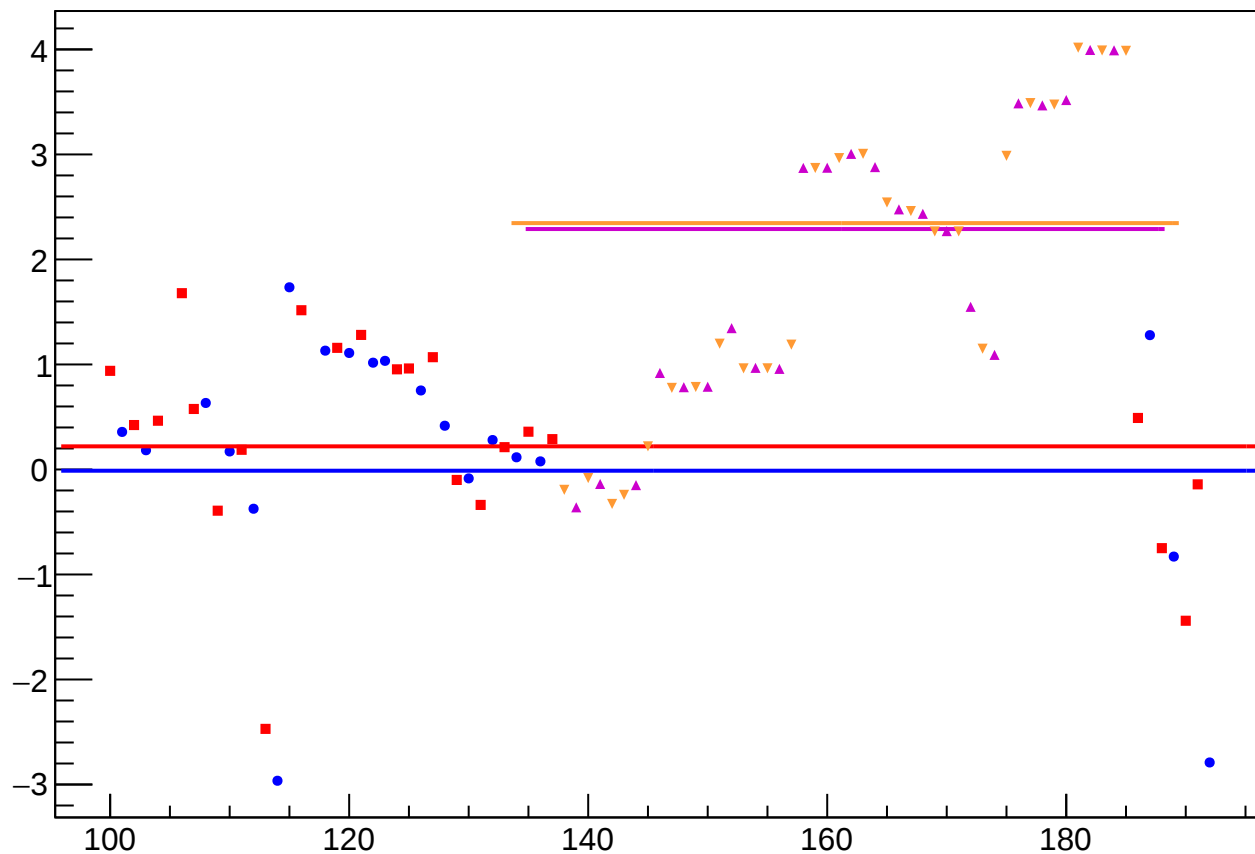
Left In: 0.011+/-0.000 χ^2/NDF : 530077.5/22

+ sign 0.011+/-0.000 χ^2/NDF : 2221542.0/44

All: 0.011+/-0.000 χ^2/NDF : 4933495.2/90

- sign 0.011+/-0.000 χ^2/NDF : 2705707.4/45

yield_bpm1X_mean vs Slug



Right In: -0.012+/-0.000 χ^2/NDF : 2539832668.4/19

Left Out: 2.346+/-0.000 χ^2/NDF : 63481331015.4/24

Right Out: 0.220+/-0.000 χ^2/NDF : 1650347238.6/22

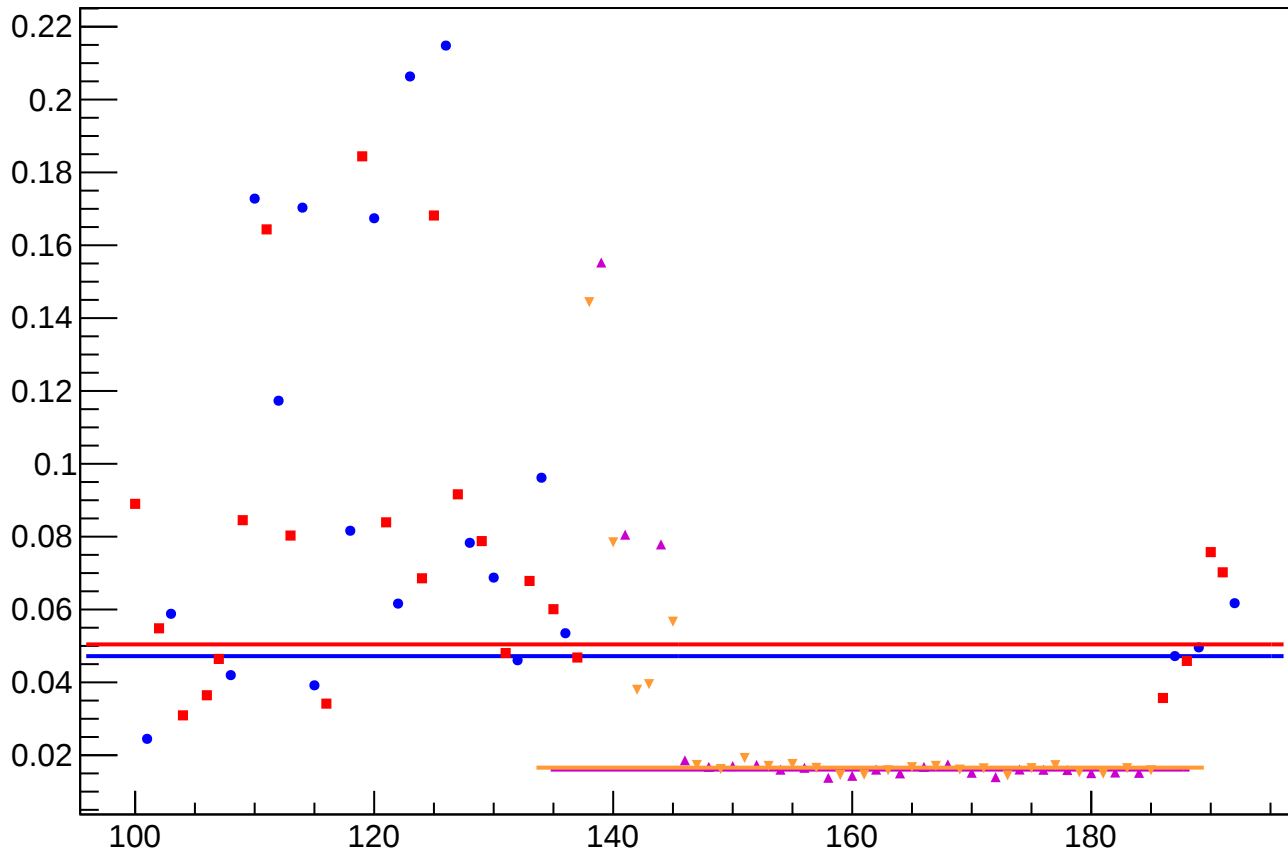
Left In: 2.290+/-0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.248+/-0.000 χ^2/NDF : 77800408594.0/44

All: 2.226+/-0.000 χ^2/NDF : 149581683385.6

- sign 2.204+/-0.000 χ^2/NDF : 71729023696.2/45

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: 0.050 $\pm$ 0.000 χ^2 /NDF: 2430203.1/22

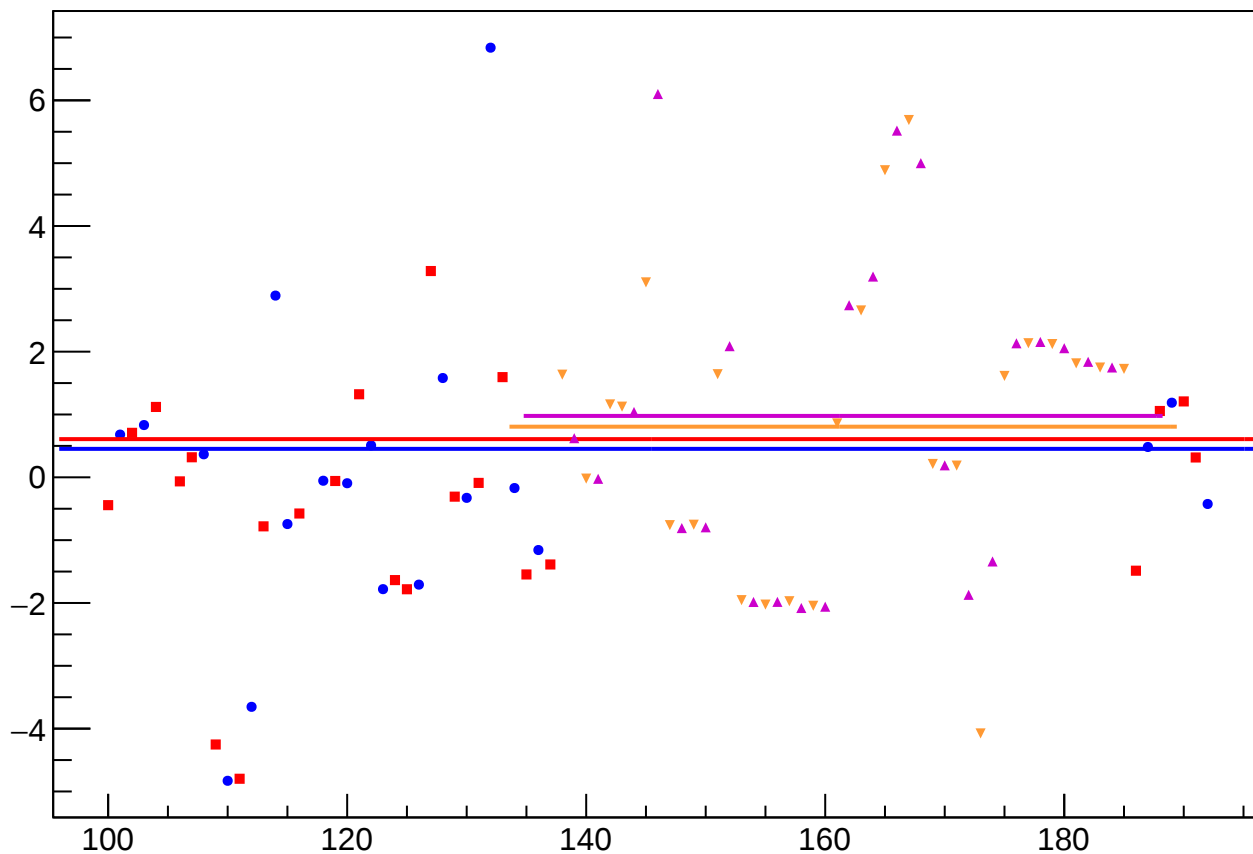
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 9539748.4/44

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 19450918.3/90

- sign 0.017 $\pm$ 0.000 χ^2 /NDF: 9903163.7/45

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: 0.608+/-0.000 χ^2/NDF : 5736271602.8/22

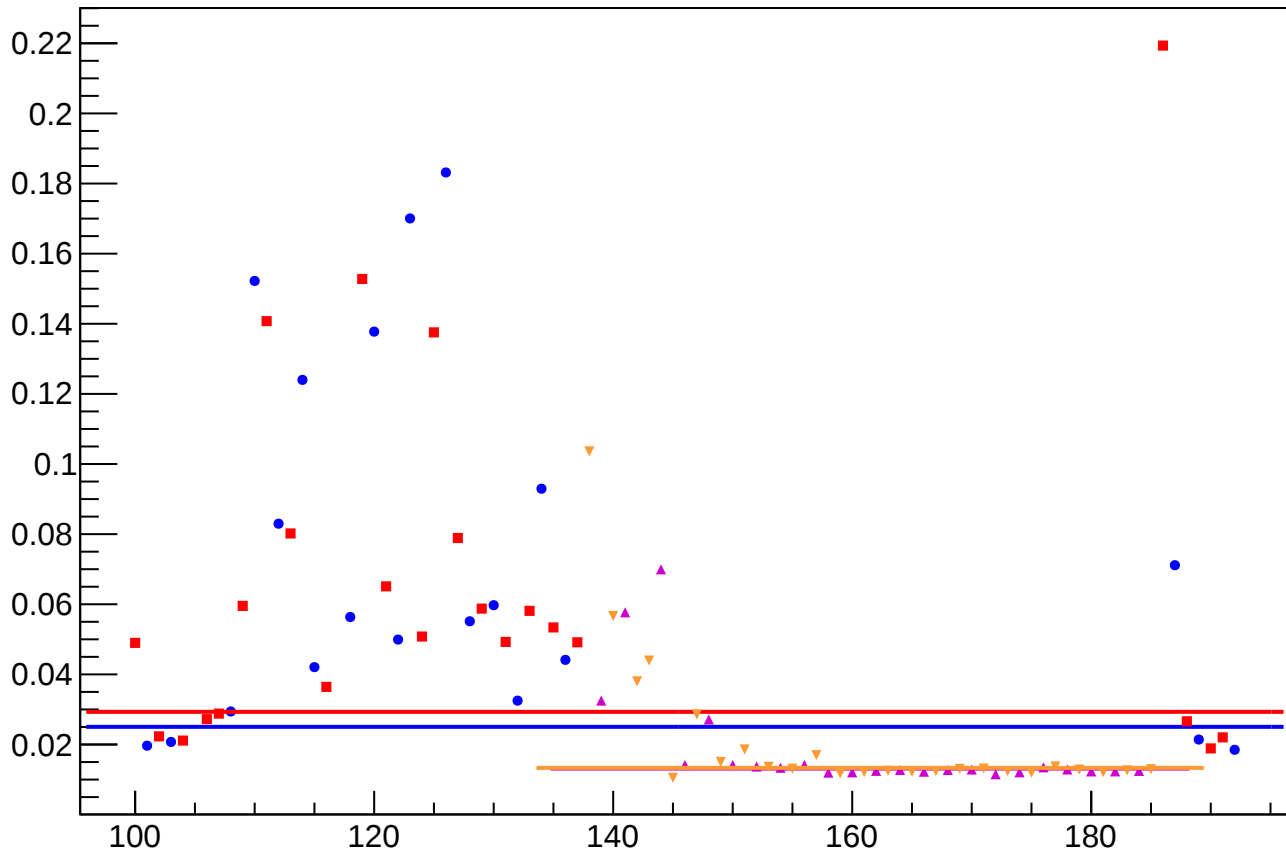
Left In: 0.977+/-0.000 χ^2/NDF : 568209676597.4/22

+ sign 0.779+/-0.000 χ^2/NDF : 522151833108.8/44

All: 0.866+/-0.000 χ^2/NDF : 1098241971915.

- sign 0.954+/-0.000 χ^2/NDF : 574685528183.9/45

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: 0.029 $\pm$ 0.000 χ^2 /NDF: 3948469.0/22

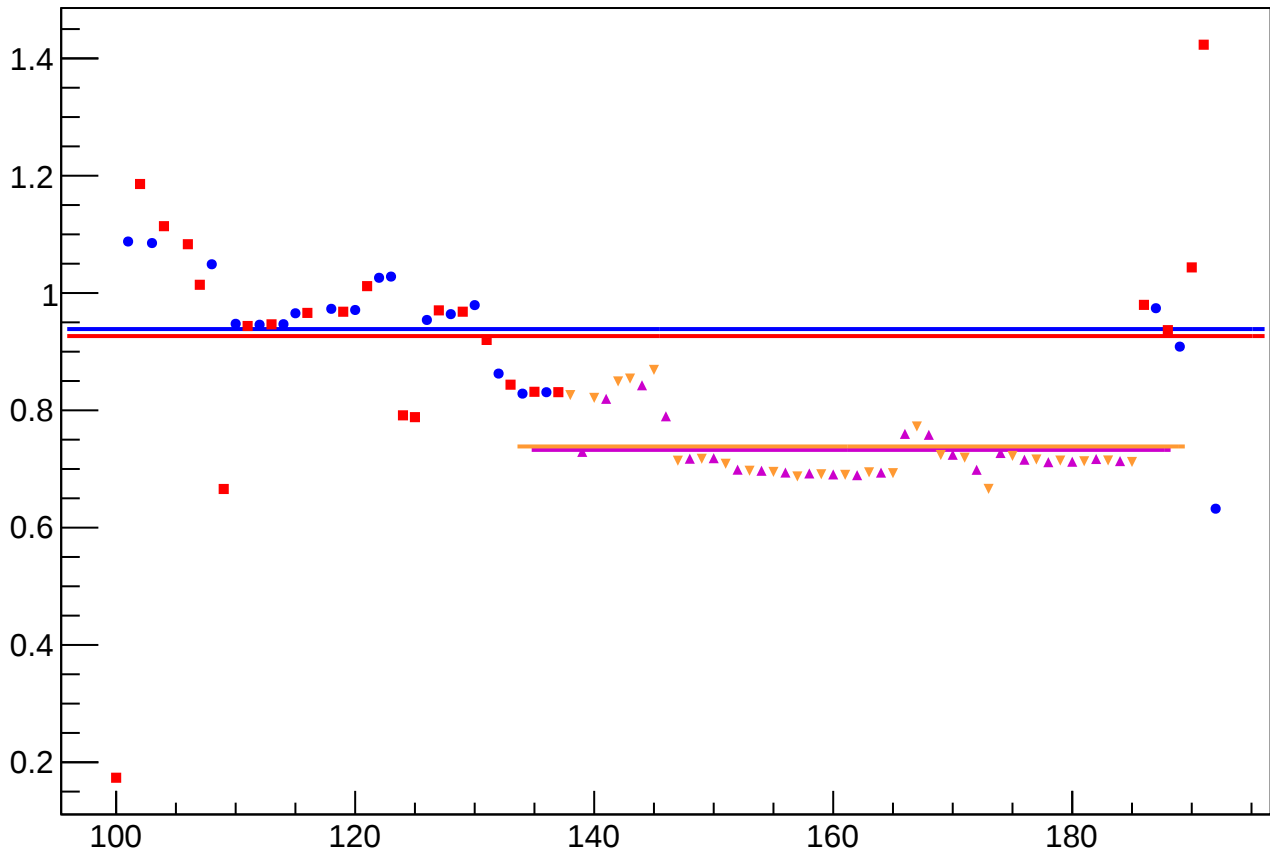
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1946693.6/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8160554.1/44

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 16895641.8/90

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8734507.6/45

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: 0.927 $\pm$ 0.000 χ^2 /NDF: 454553544.3/22

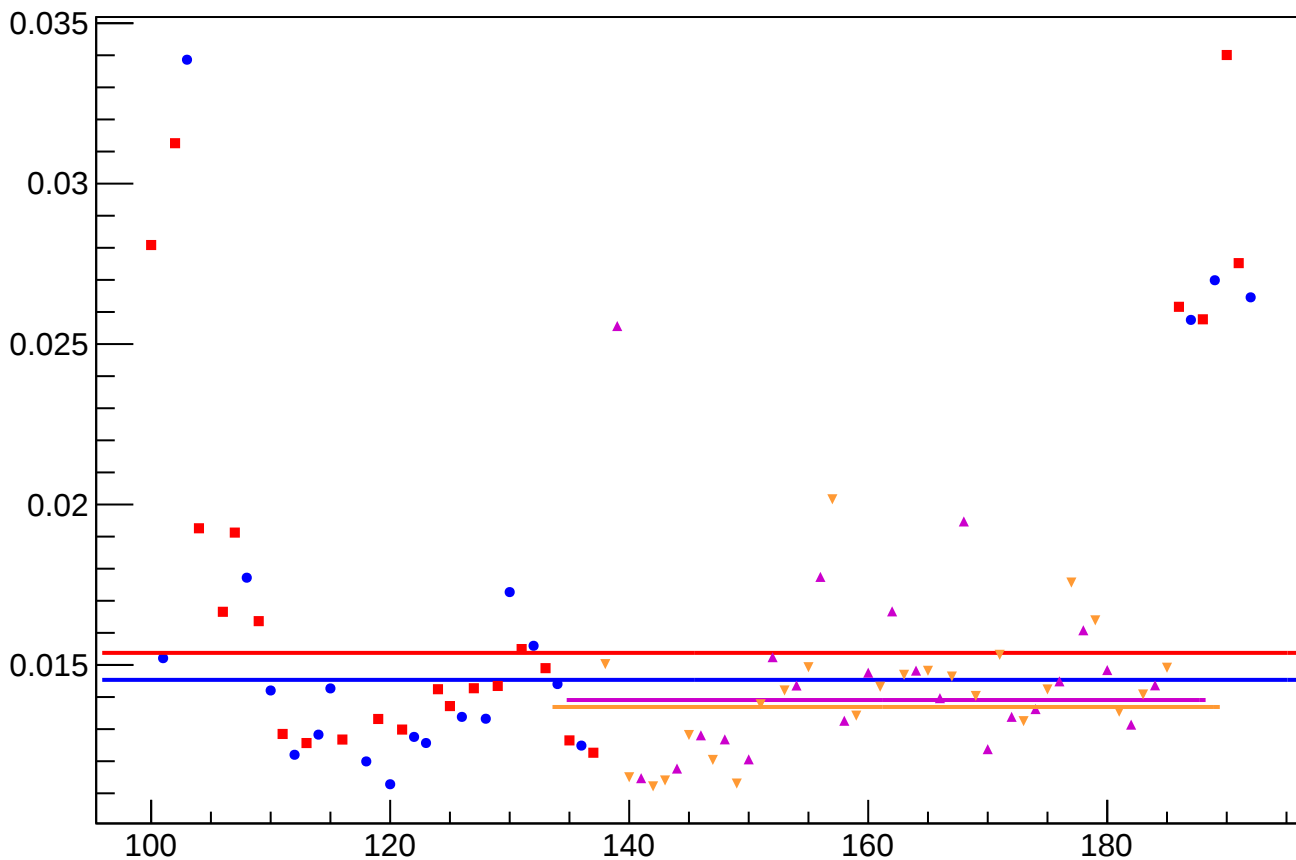
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:170102394.7/22

+ sign 0.794 $\pm$ 0.000 χ^2 /NDF: 1564438761.8/44

All: 0.791 $\pm$ 0.000 χ^2 /NDF: 3044895776.6/90

- sign 0.788 $\pm$ 0.000 χ^2 /NDF: 1478375233.5/45

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: 0.015 ± 0.000 χ^2/NDF : 1252529.1/22

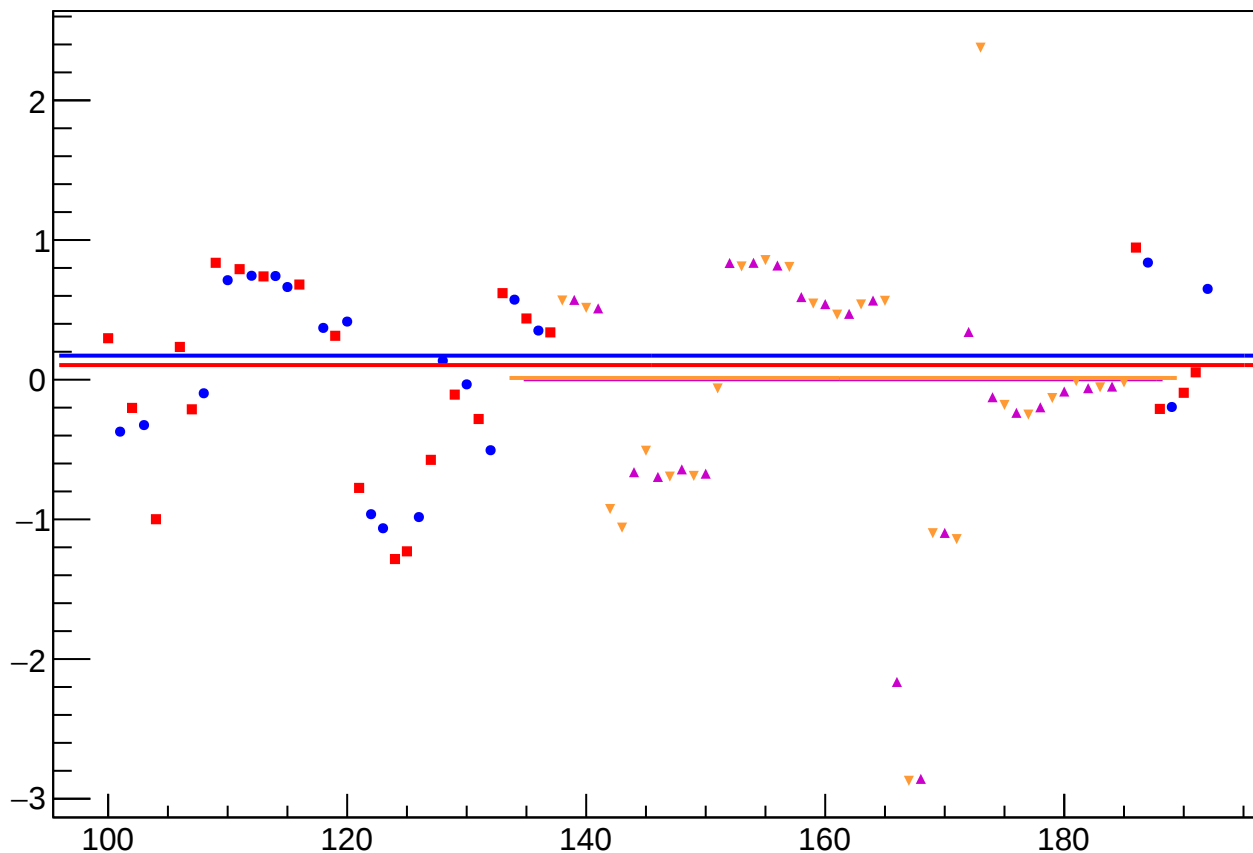
Left In: 0.014 ± 0.000 χ^2/NDF : 768161.9/22

+ sign 0.014 ± 0.000 χ^2/NDF : 1759381.6/44

All: 0.014 ± 0.000 χ^2/NDF : 3896430.2/90

- sign 0.014 ± 0.000 χ^2/NDF : 2118527.7/45

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: 0.105 $\pm$ 0.000 χ^2 /NDF: 13155019638.2/22

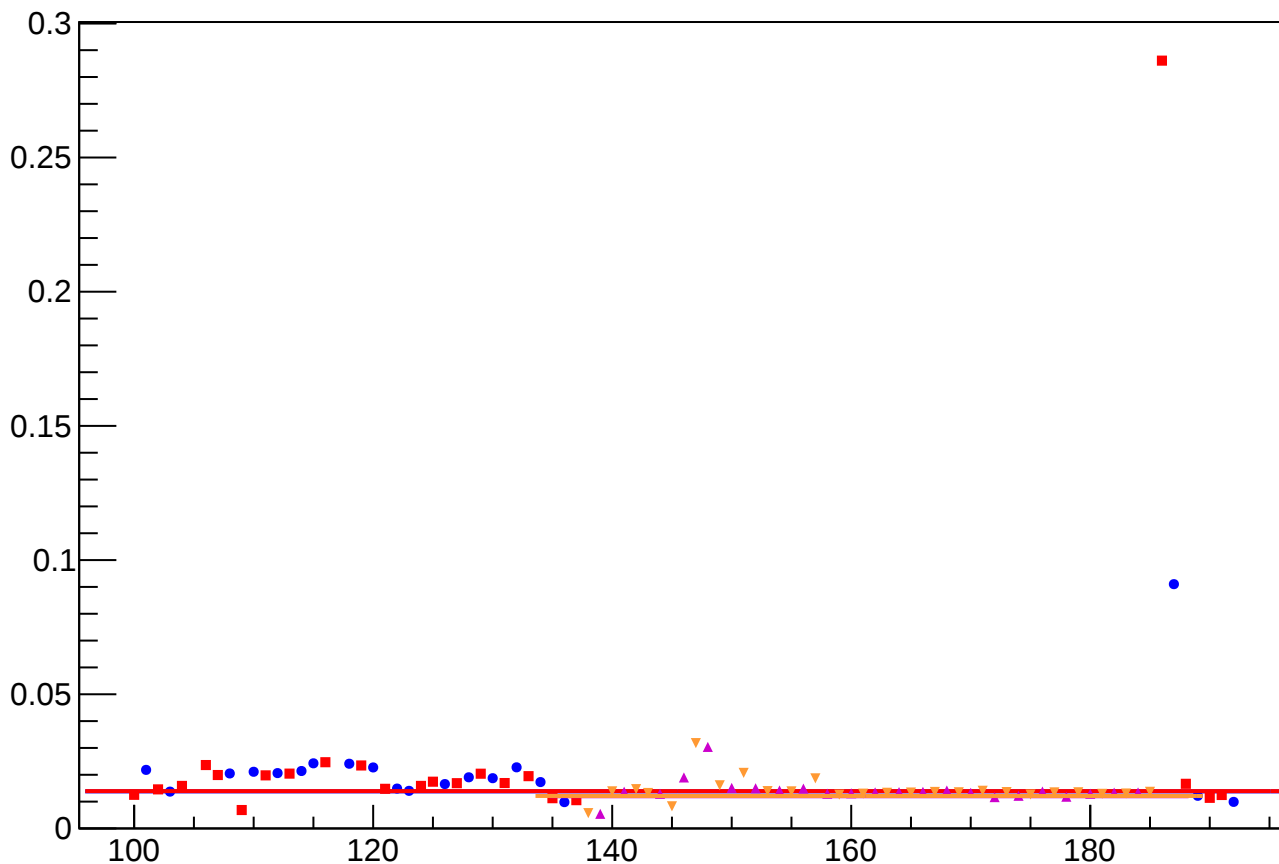
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 78826489573.0/22

+ sign 0.051 $\pm$ 0.000 χ^2 /NDF: 106316102568.4/44

All: 0.040 $\pm$ 0.000 χ^2 /NDF: 198603768396.6

- sign 0.028 $\pm$ 0.000 χ^2 /NDF: 92250306209.3/45

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: 0.014 $\pm$ 0.000 χ^2 /NDF: 2262163.4/22

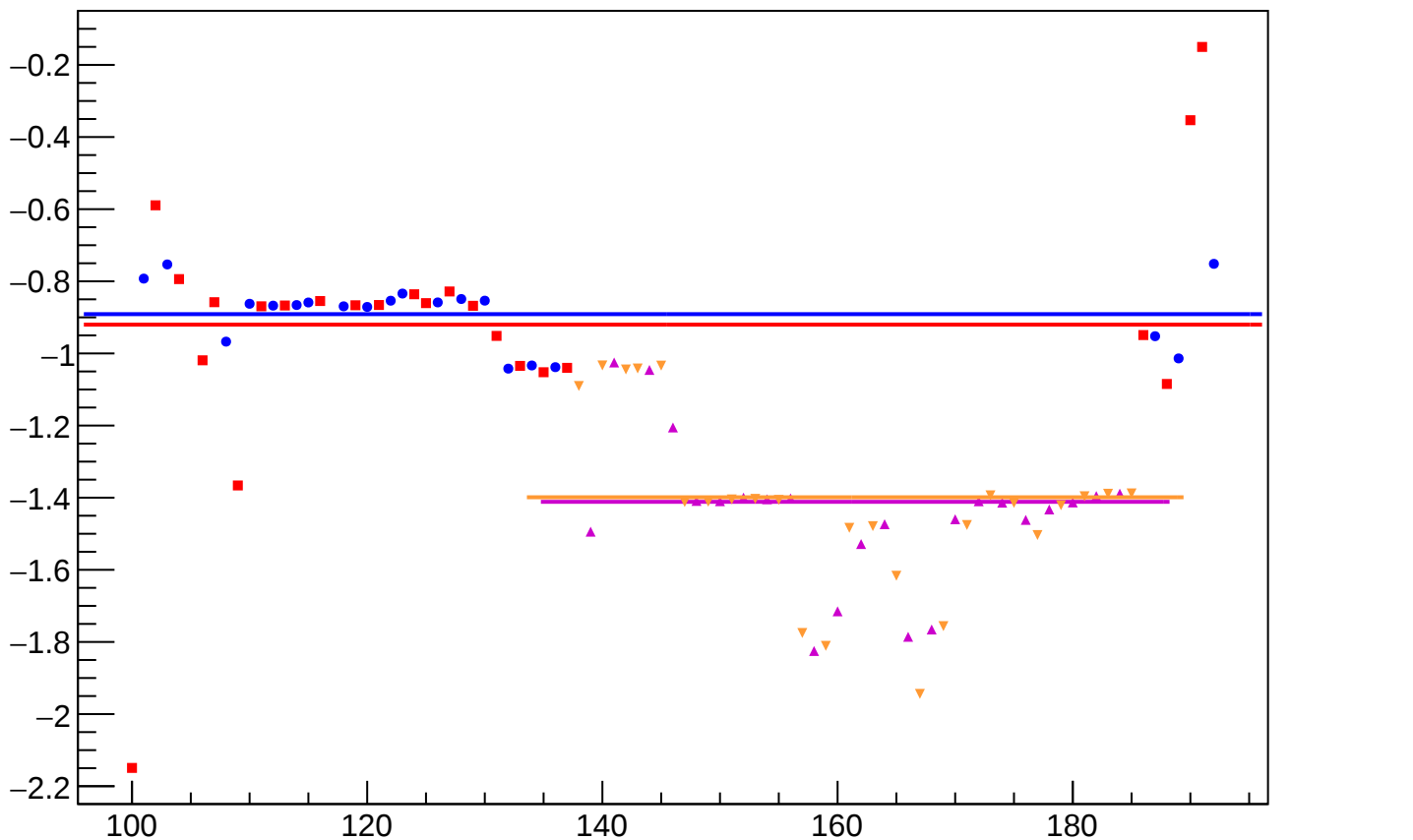
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 5039309.3/44

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 10496662.2/90

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5457027.3/45

yield_bpm12X_mean vs Slug



Right In: -0.891+/-0.000 χ^2/NDF : 45177284.3/19

Left Out: -1.399+/-0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.920+/-0.000 χ^2/NDF : 185183822.6/22

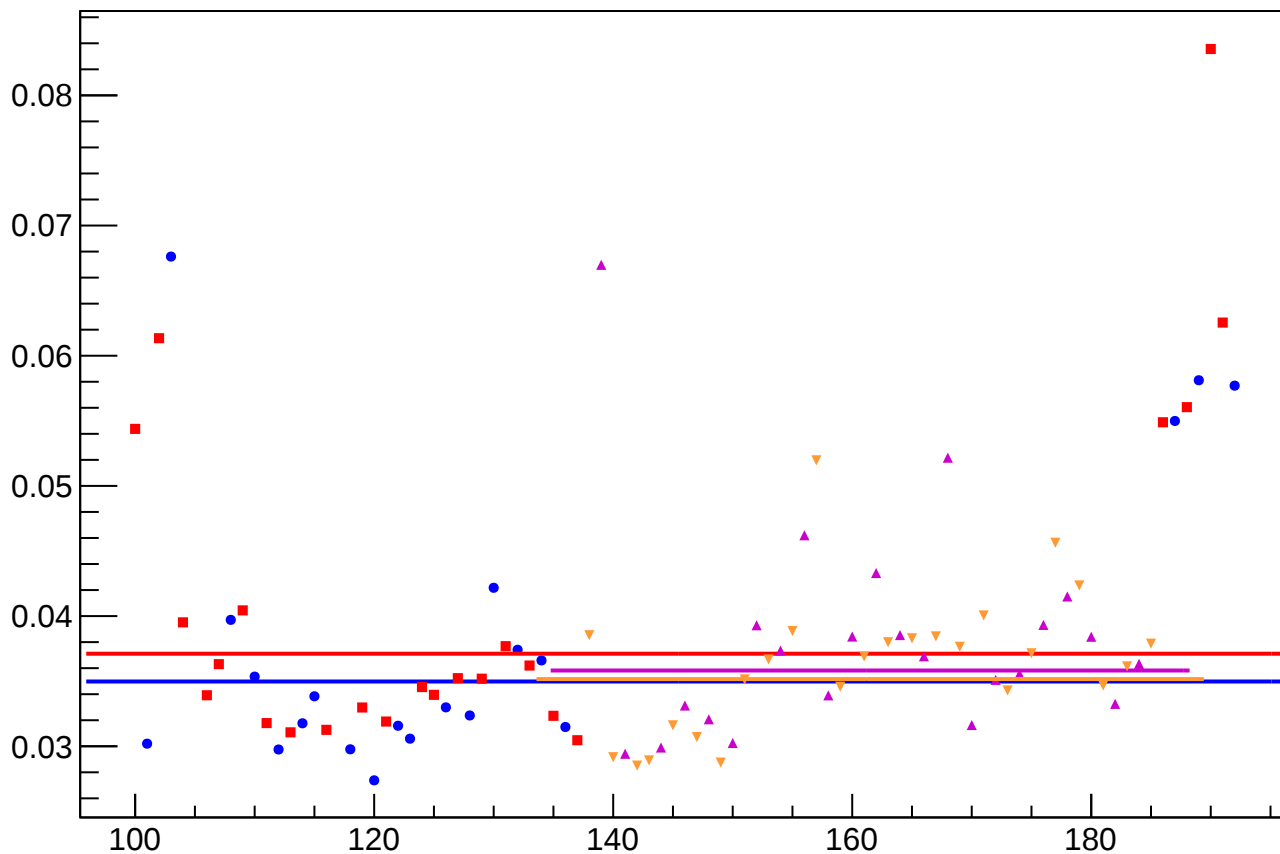
Left In: -1.411+/-0.000 χ^2/NDF : 512547995.0/22

+ sign -1.242+/-0.000 χ^2/NDF : 1815509272.4/44

All: -1.249+/-0.000 χ^2/NDF : 3426837162.2/9

- sign -1.256+/-0.000 χ^2/NDF : 1609679701.9/45

yield_bpm12X_rms vs Slug



Right In: 0.035+/-0.000 χ^2/NDF : 903225.0/19

Left Out: 0.035+/-0.000 χ^2/NDF : 595219.5/24

Right Out: 0.037+/-0.000 χ^2/NDF : 878426.2/22

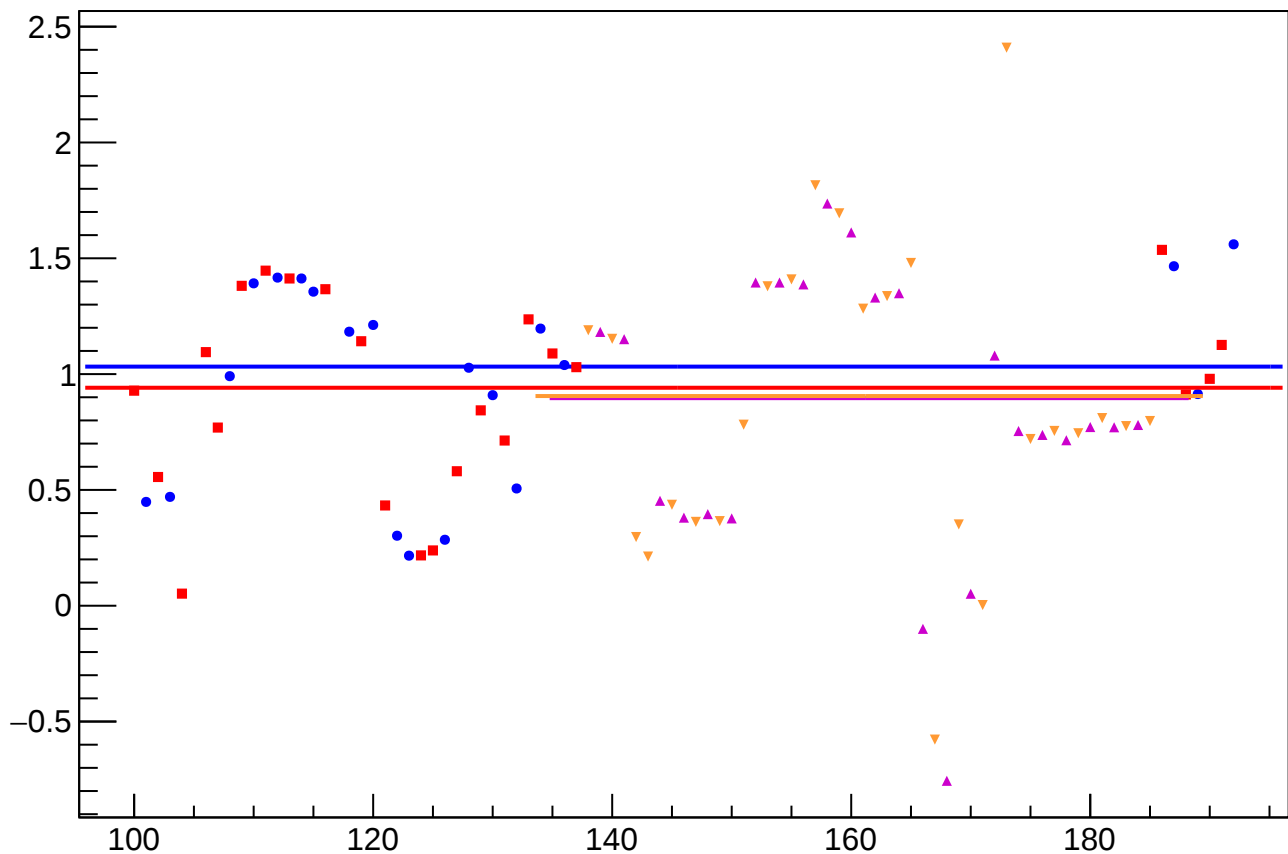
Left In: 0.036+/-0.000 χ^2/NDF : 864147.6/22

+ sign 0.035+/-0.000 χ^2/NDF : 1498720.4/44

All: 0.036+/-0.000 χ^2/NDF : 3276764.2/90

- sign 0.036+/-0.000 χ^2/NDF : 1755149.3/45

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: 0.941 $\pm$ 0.000 χ^2 /NDF: 10074280840.2/22

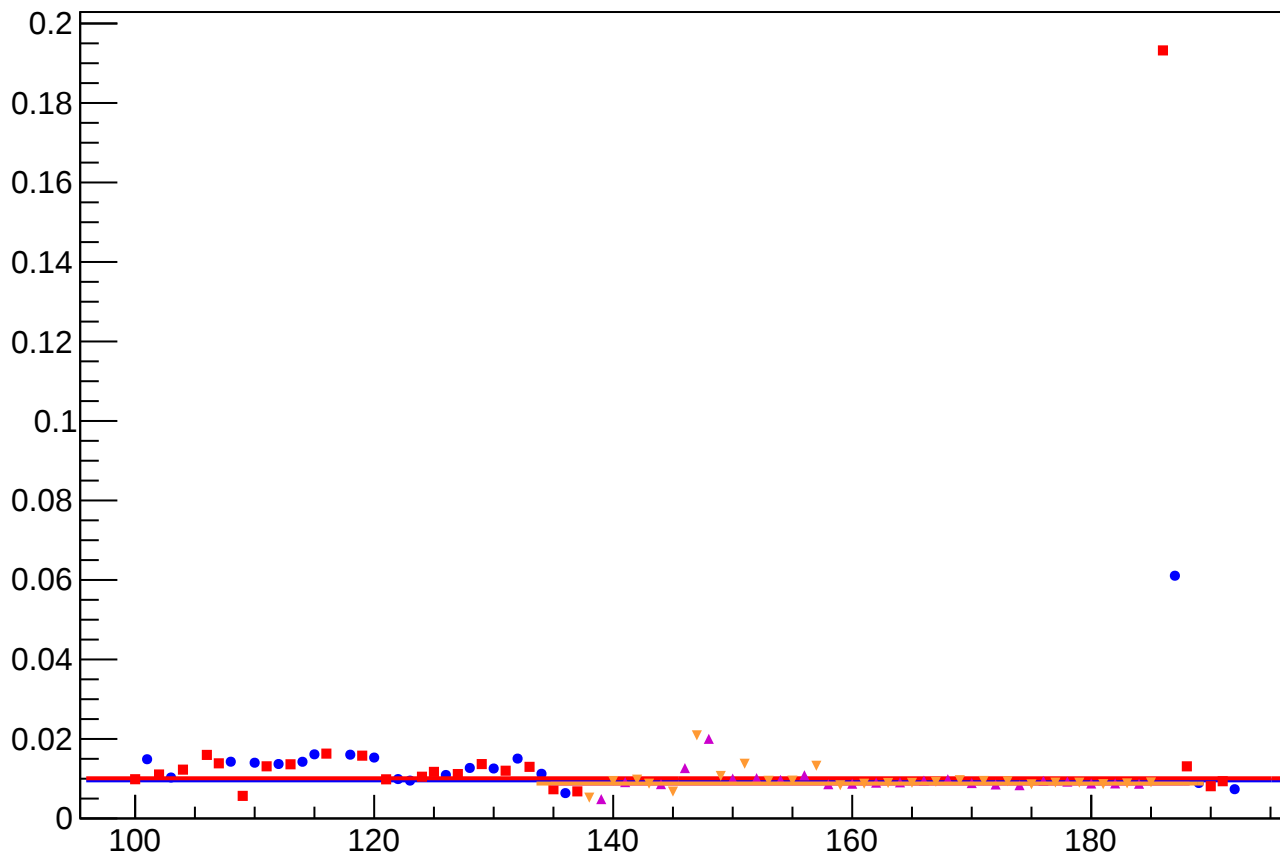
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 0.937 $\pm$ 0.000 χ^2 /NDF: 97581165139.8/44

All: 0.923 $\pm$ 0.000 χ^2 /NDF: 174479291197.1

- sign 0.907 $\pm$ 0.000 χ^2 /NDF: 76772050413.4/45

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: 1915241.2/22

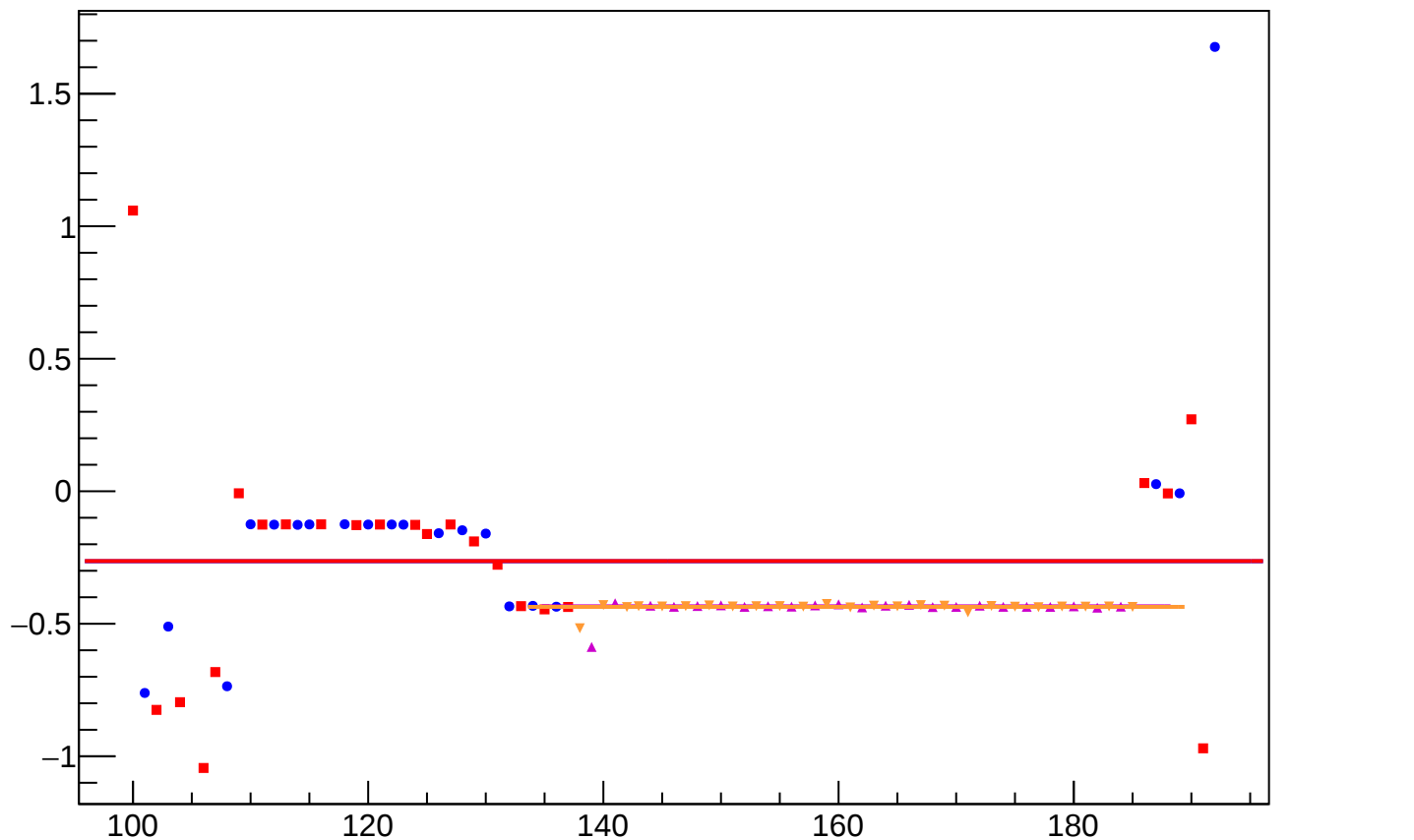
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3421247.2/44

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 7131066.4/90

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3705468.2/45

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

Right Out: -0.263+/-0.000 χ^2/NDF : 1057613289.9/22

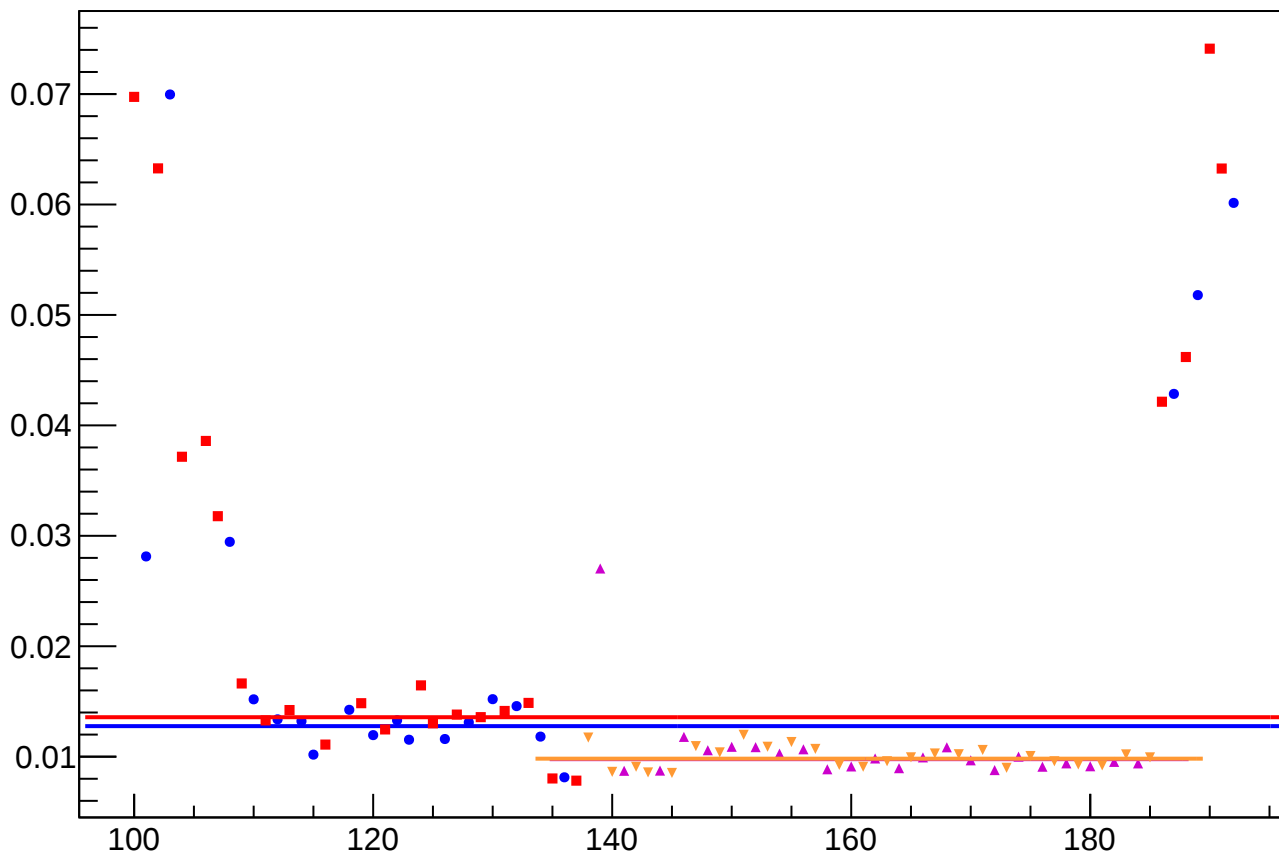
Left In: -0.434+/-0.000 χ^2/NDF : 23984173.0/22

+ sign -0.407+/-0.000 χ^2/NDF : 2689646508.1/44

All: -0.407+/-0.000 χ^2/NDF : 4512467050.7/9

- sign -0.406+/-0.000 χ^2/NDF : 1822473446.0/45

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 : 3911791.6/22

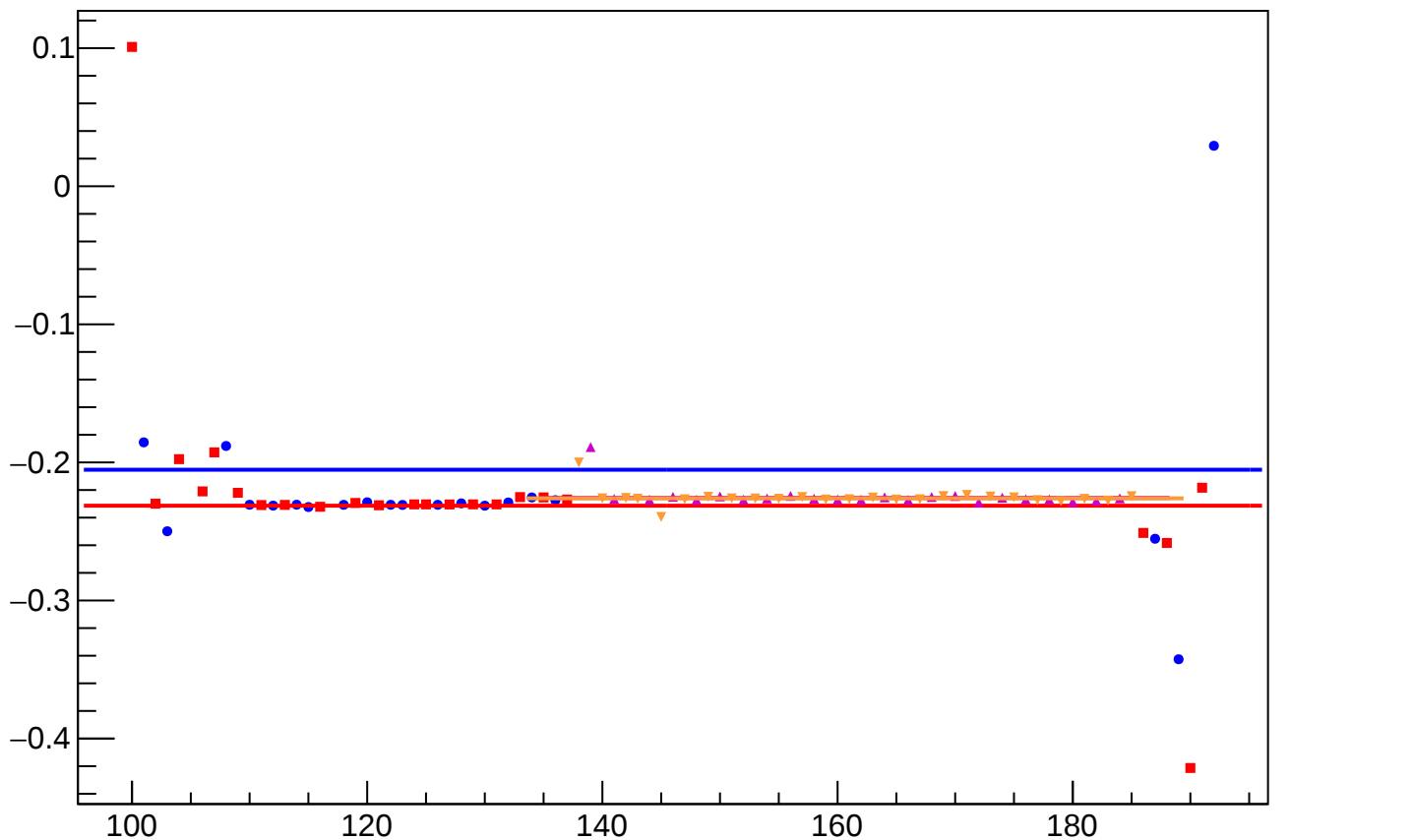
Left In: 0.010+/-0.000 χ^2/NDF : 747550.0/22

+ sign 0.010+/-0.000 χ^2/NDF : 4231485.3/44

All: 0.010+/-0.000 χ^2/NDF : 9626304.2/90

- sign 0.010+/-0.000 χ^2/NDF : 5393044.7/45

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: -0.231 ± 0.000 χ^2/NDF : 533506577.0/22

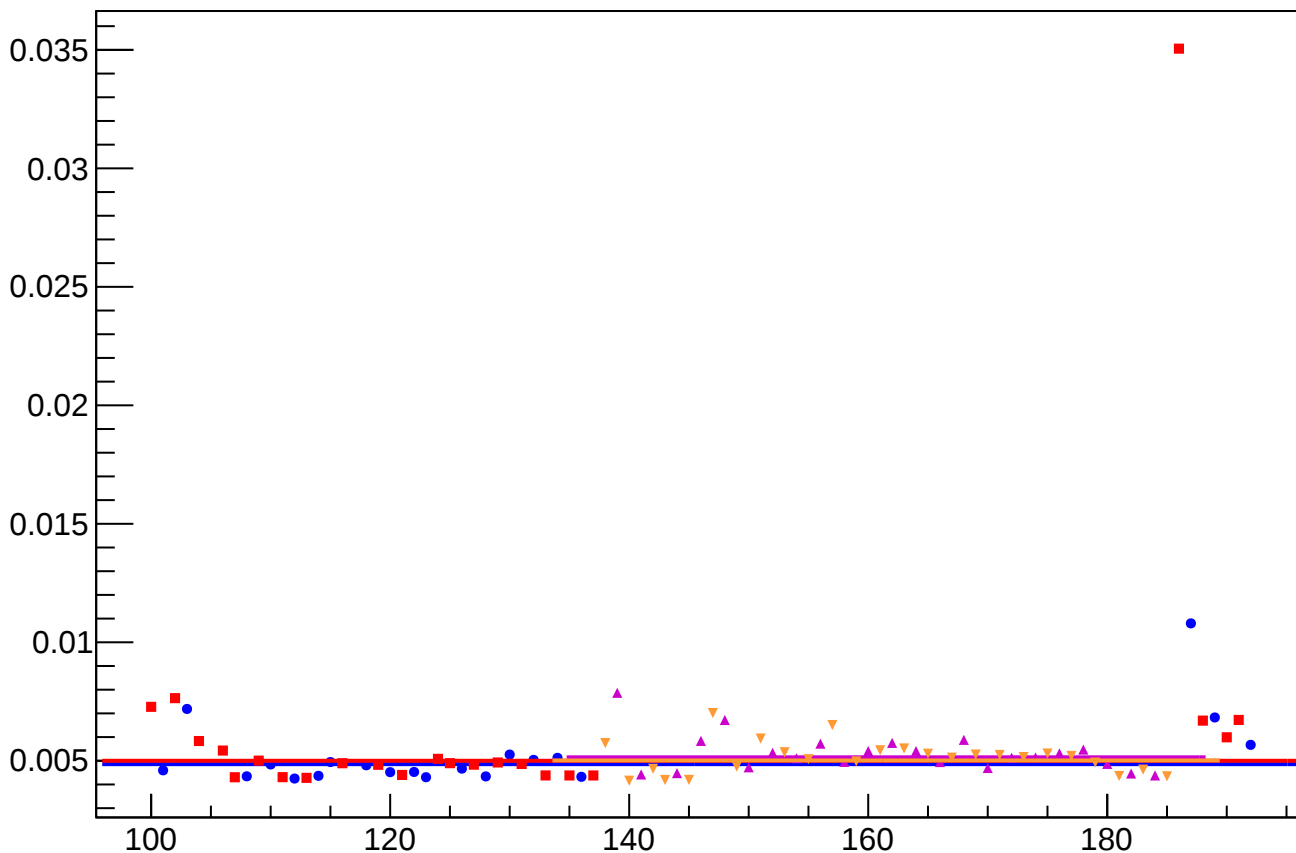
Left In: -0.226 ± 0.000 χ^2/NDF : 15245251.1/22

+ sign -0.220 ± 0.000 χ^2/NDF : 1989153062.1/44

All: -0.223 ± 0.000 χ^2/NDF : 2575992237.4/9

- sign -0.228 ± 0.000 χ^2/NDF : 555325417.6/45

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: 952097.7/22

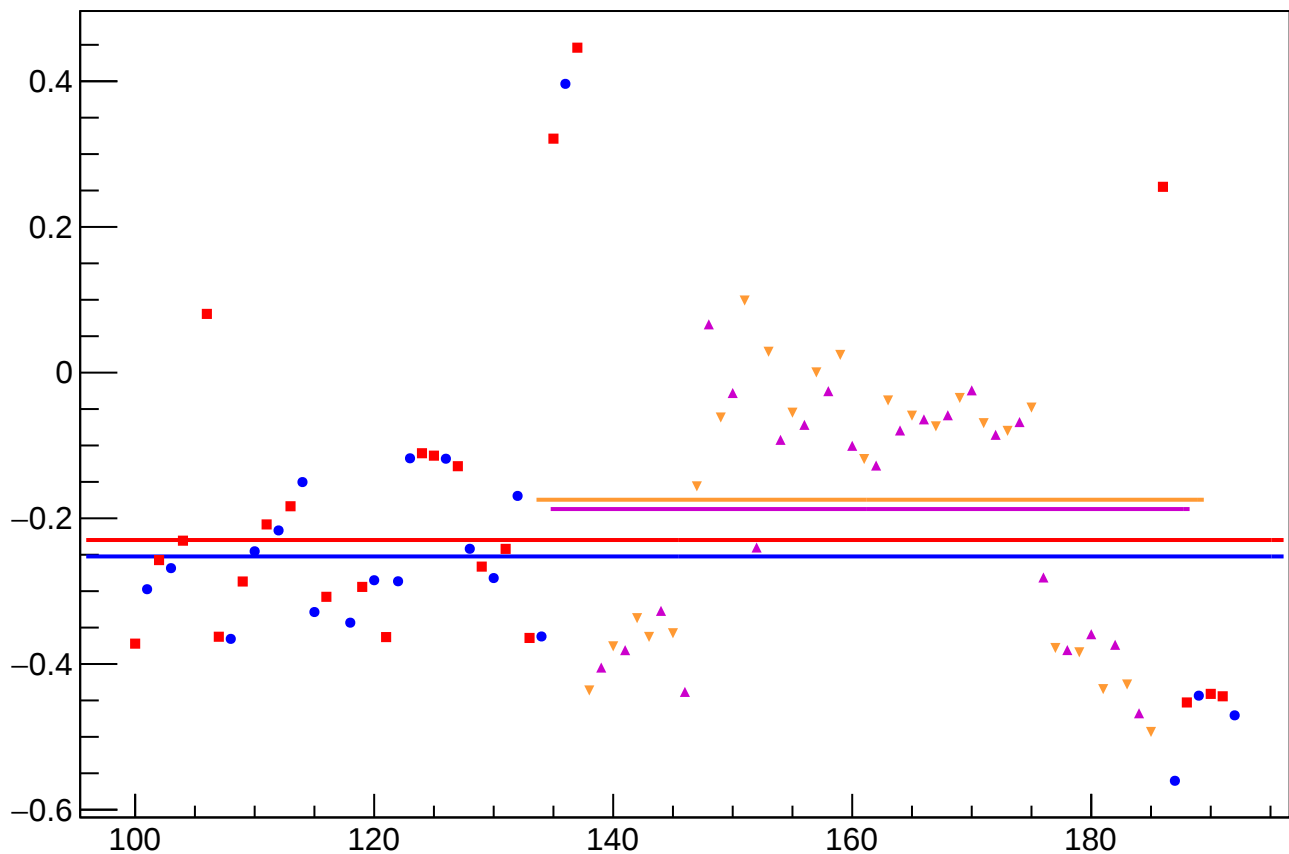
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:493107.7/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 935178.4/44

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 2406074.3/90

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1454040.6/45

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: -0.230 ± 0.000 χ^2/NDF : 8493289421.6/22

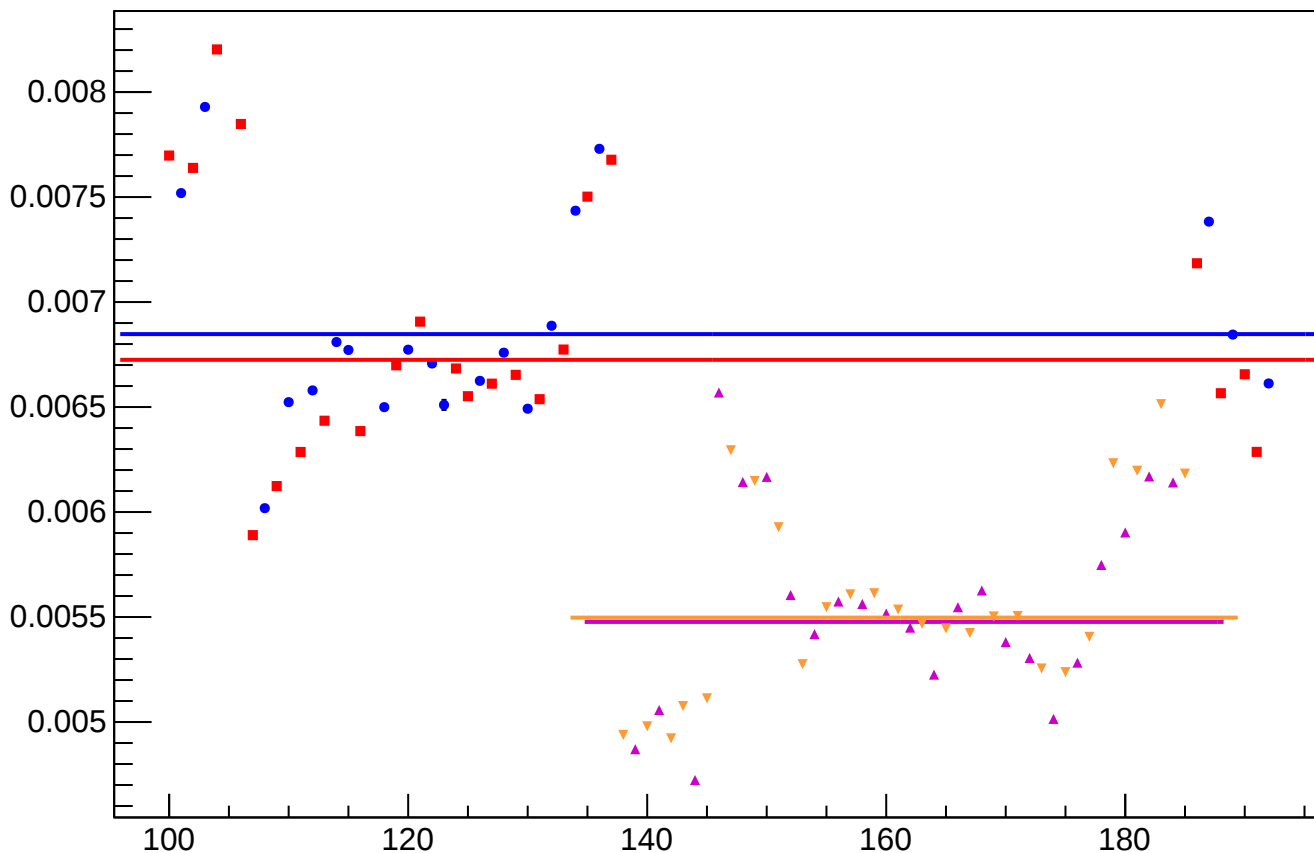
Left In: -0.187 ± 0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.192 ± 0.000 χ^2/NDF : 26784654233.4/44

All: -0.195 ± 0.000 χ^2/NDF : 48365124068.8/44

- sign -0.198 ± 0.000 χ^2/NDF : 21567069155.1/45

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 82682.5/19

Left Out: 0.005+/-0.000 χ^2/NDF : 198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 112237.5/22

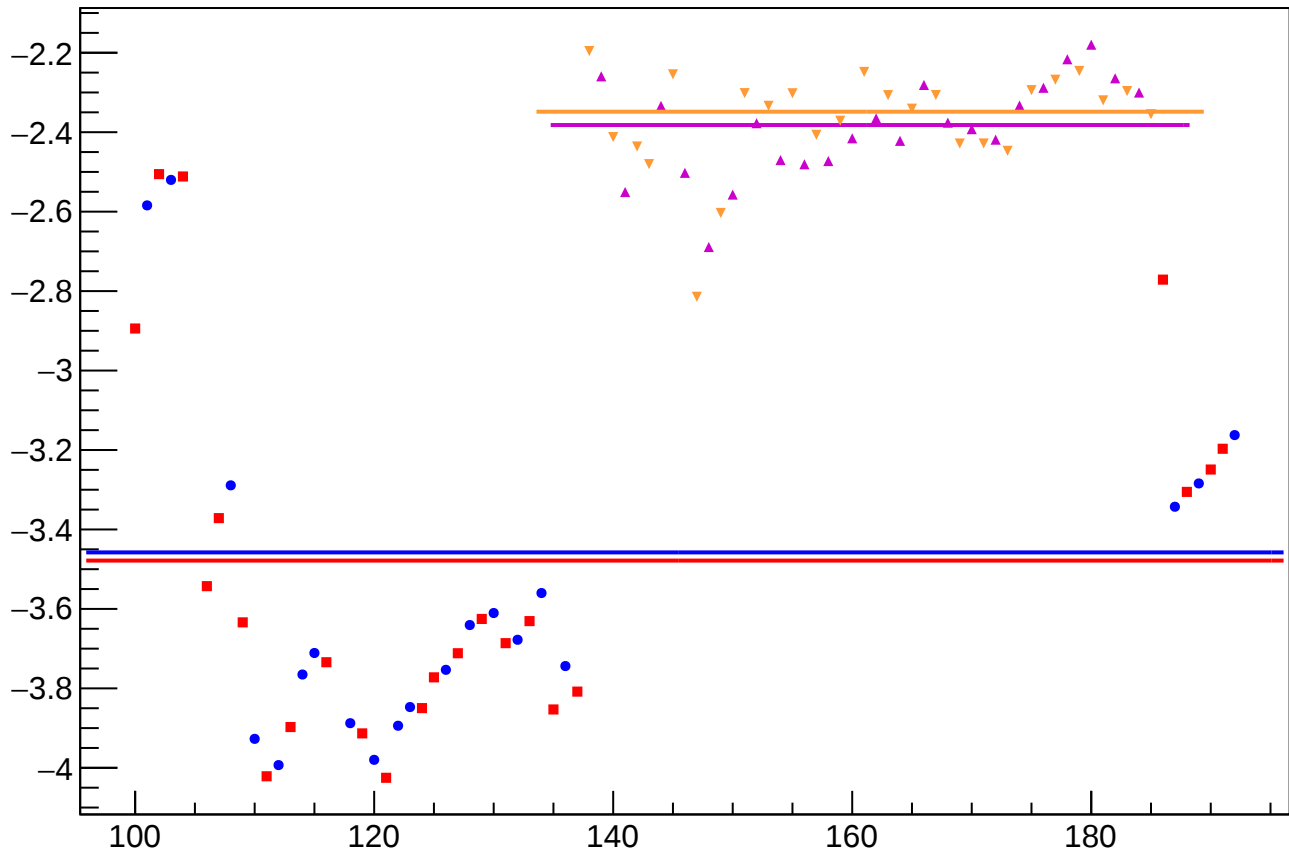
Left In: 0.005+/-0.000 χ^2/NDF : 202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 764471.2/44

All: 0.006+/-0.000 χ^2/NDF : 1522436.8/90

- sign 0.006+/-0.000 χ^2/NDF : 757943.5/45

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: -3.478+/-0.000 χ^2/NDF : 28525379876.7/22

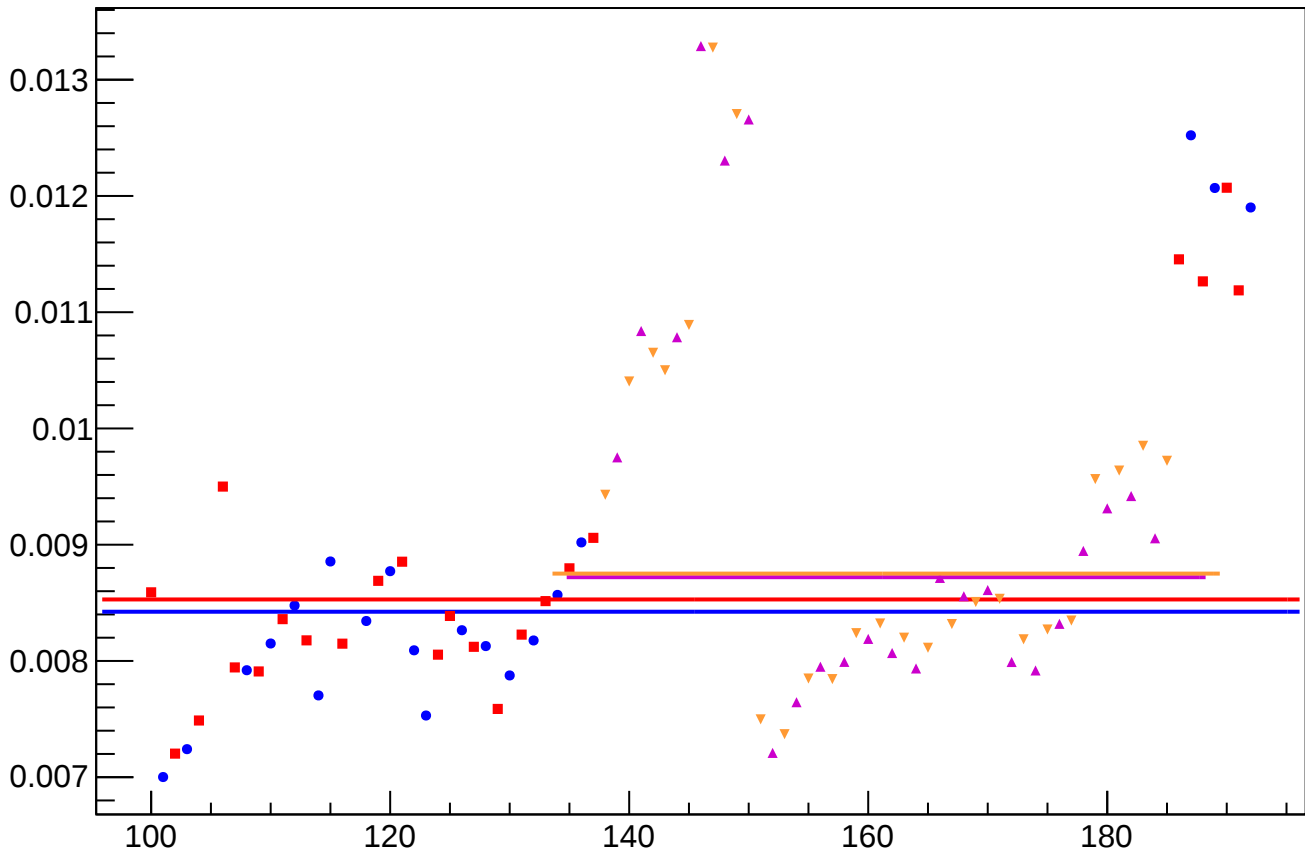
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.714+/-0.000 χ^2/NDF : 121251763142.0/44

All: -2.741+/-0.000 χ^2/NDF : 243054477895.7

- sign -2.769+/-0.000 χ^2/NDF : 121304061240.2/45

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 : 329583.1/22

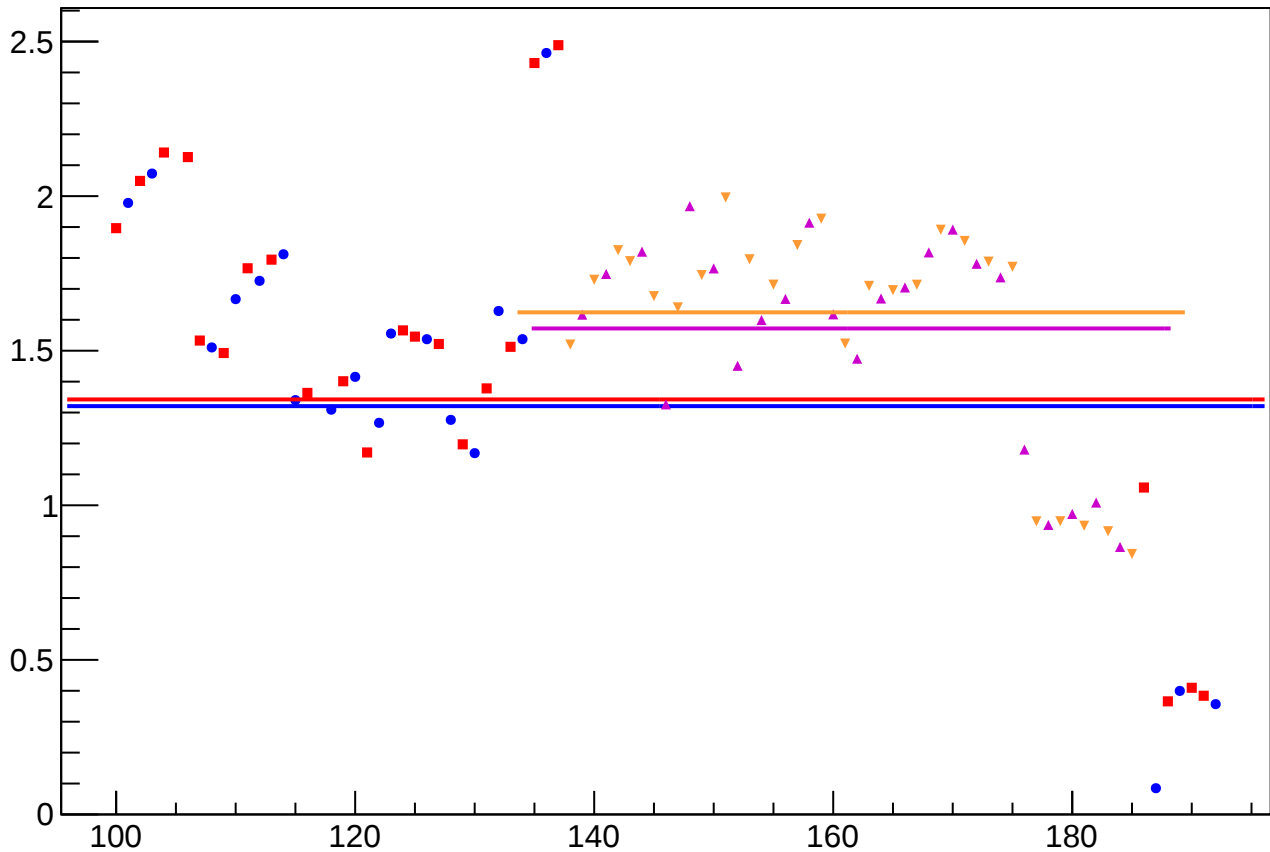
Left In: 0.009+/-0.000 χ^2/NDF : 747867.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 1049547.3/44

All: 0.009+/-0.000 χ^2/NDF : 2132546.0/90

- sign 0.009+/-0.000 χ^2/NDF : 1082967.9/45

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: 1.342+/-0.000 χ^2/NDF : 23803756427.7/22

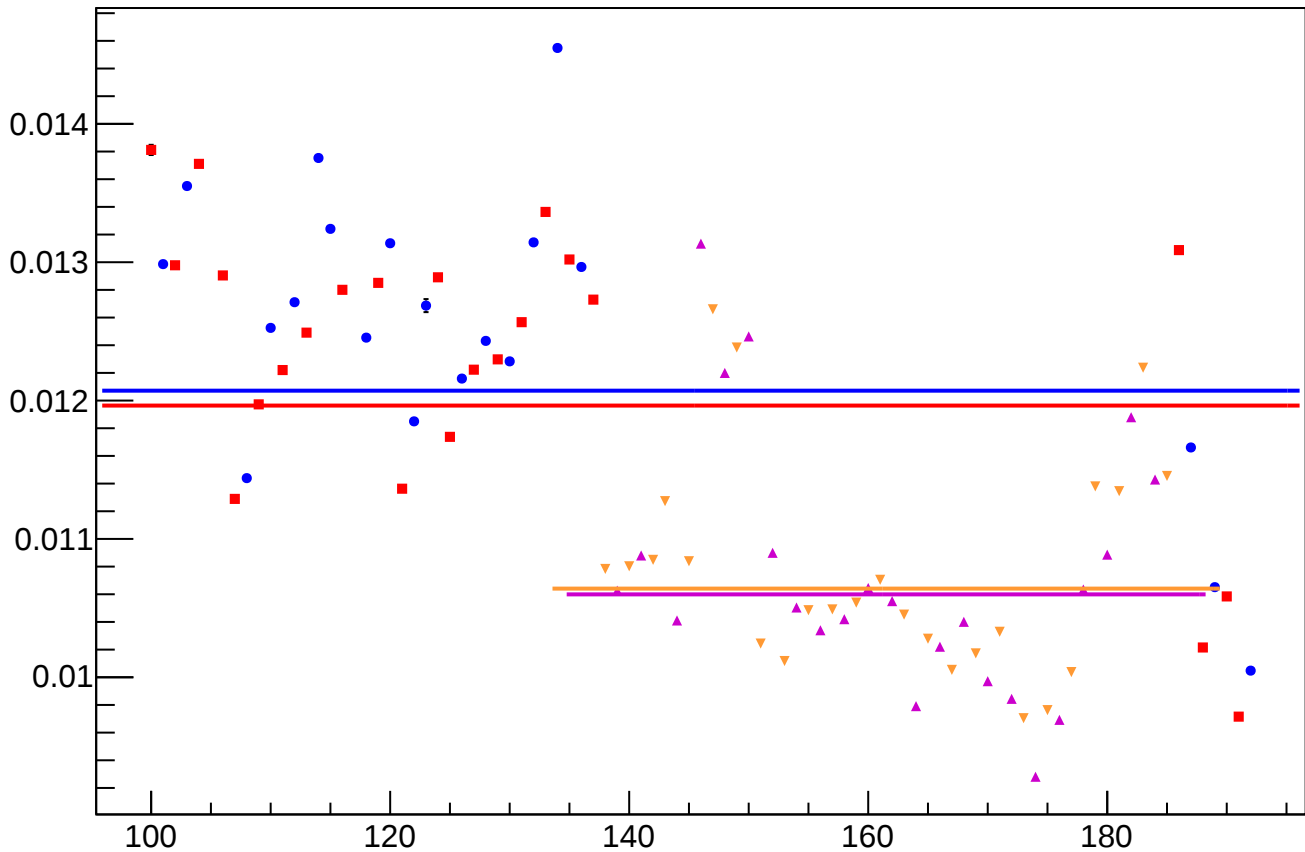
Left In: 1.572+/-0.000 χ^2/NDF : 14230484809.4/22

+ sign 1.545+/-0.000 χ^2/NDF : 44795101490.7/44

All: 1.525+/-0.000 χ^2/NDF : 85254820619.2/9

- sign 1.505+/-0.000 χ^2/NDF : 40293501747.0/45

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: 157184.7/22

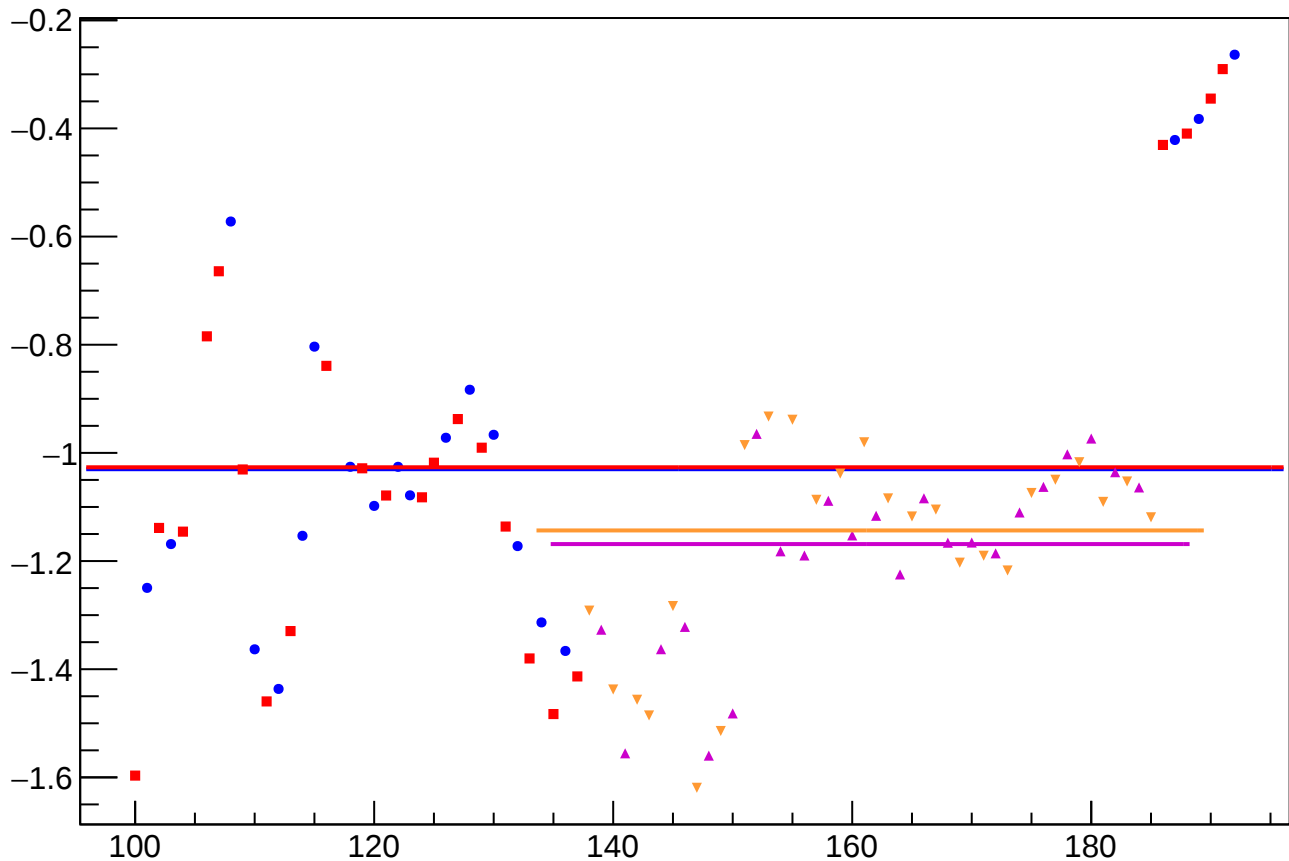
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 476451.0/44

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 997875.1/90

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 521357.5/45

yield_bpm0i02aY_mean vs Slug



Right In: -1.030 ± 0.000 $\chi^2/\text{NDF}: 10067525370.9/19$

Left Out: -1.143 ± 0.000 $\chi^2/\text{NDF}: 7976364534.0/24$

Right Out: -1.027 ± 0.000 $\chi^2/\text{NDF}: 10543926764.8/22$

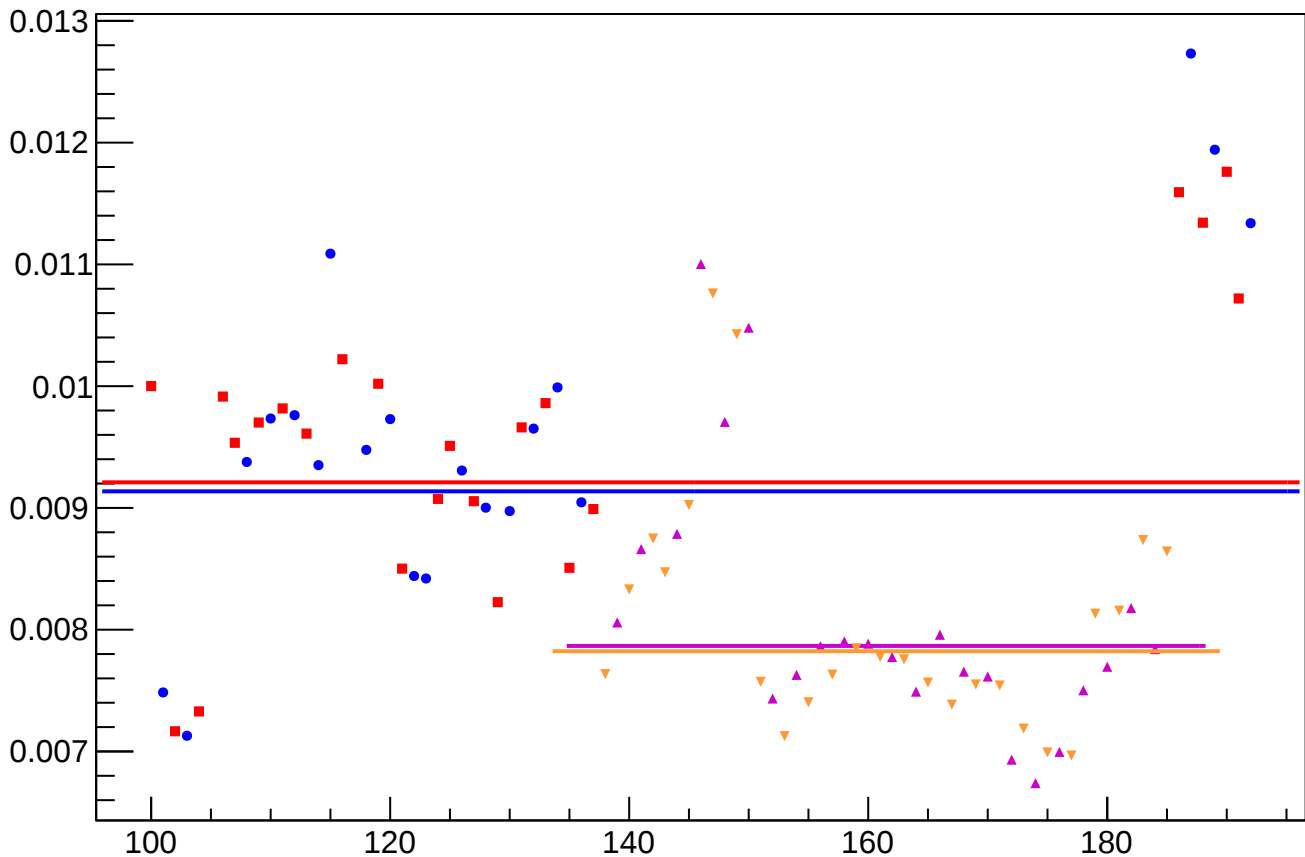
Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

+ sign -1.115 ± 0.000 $\chi^2/\text{NDF}: 18939780173.9/44$

All: -1.122 ± 0.000 $\chi^2/\text{NDF}: 37328040655.5$

- sign -1.130 ± 0.000 $\chi^2/\text{NDF}: 18348592135.0/45$

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 : 330250.7/22

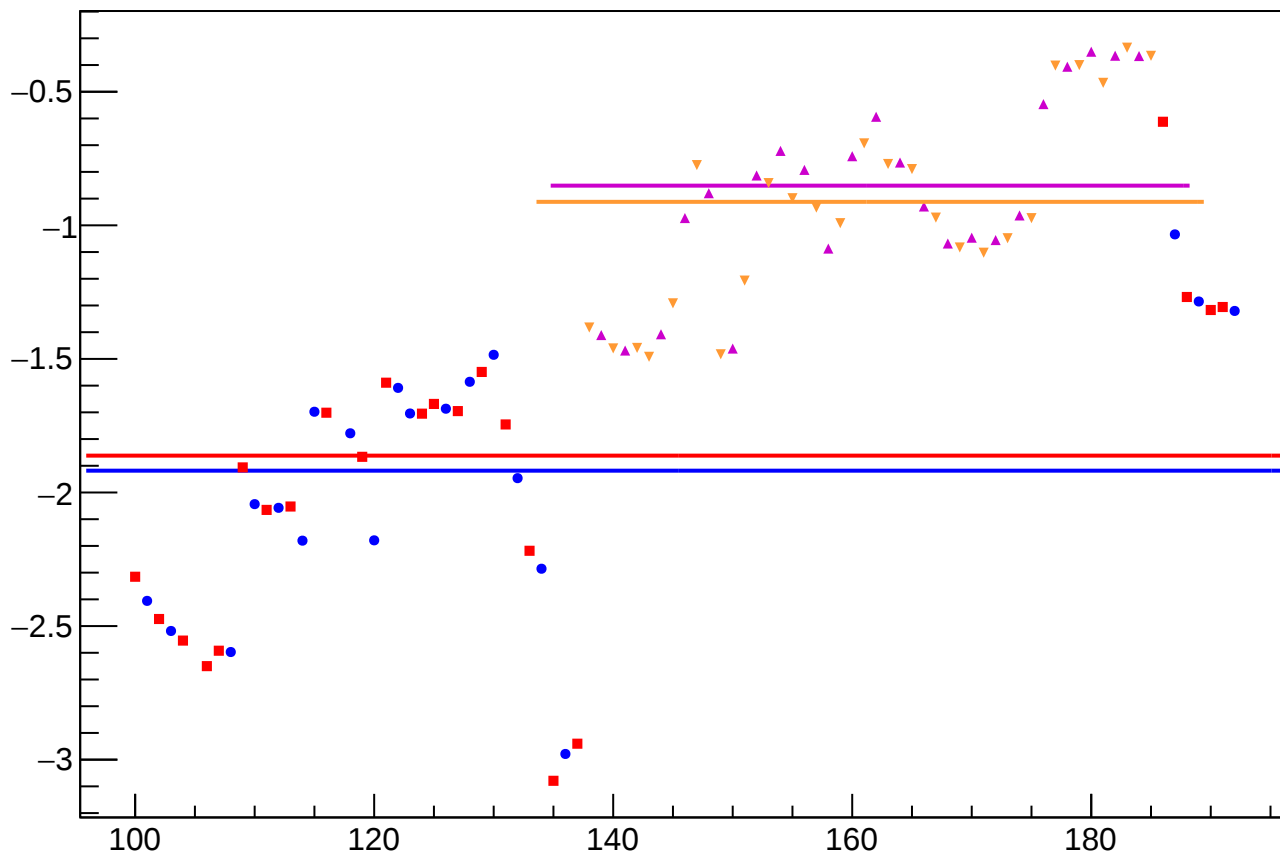
Left In: 0.008+/-0.000 χ^2/NDF :379901.3/22

+ sign 0.008+/-0.000 χ^2/NDF : 889447.9/44

All: 0.008+/-0.000 χ^2/NDF : 1860260.0/90

- sign 0.008+/-0.000 χ^2/NDF : 968311.8/45

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: -1.862 ± 0.000 $\chi^2/\text{NDF}: 67961337980.4/22$

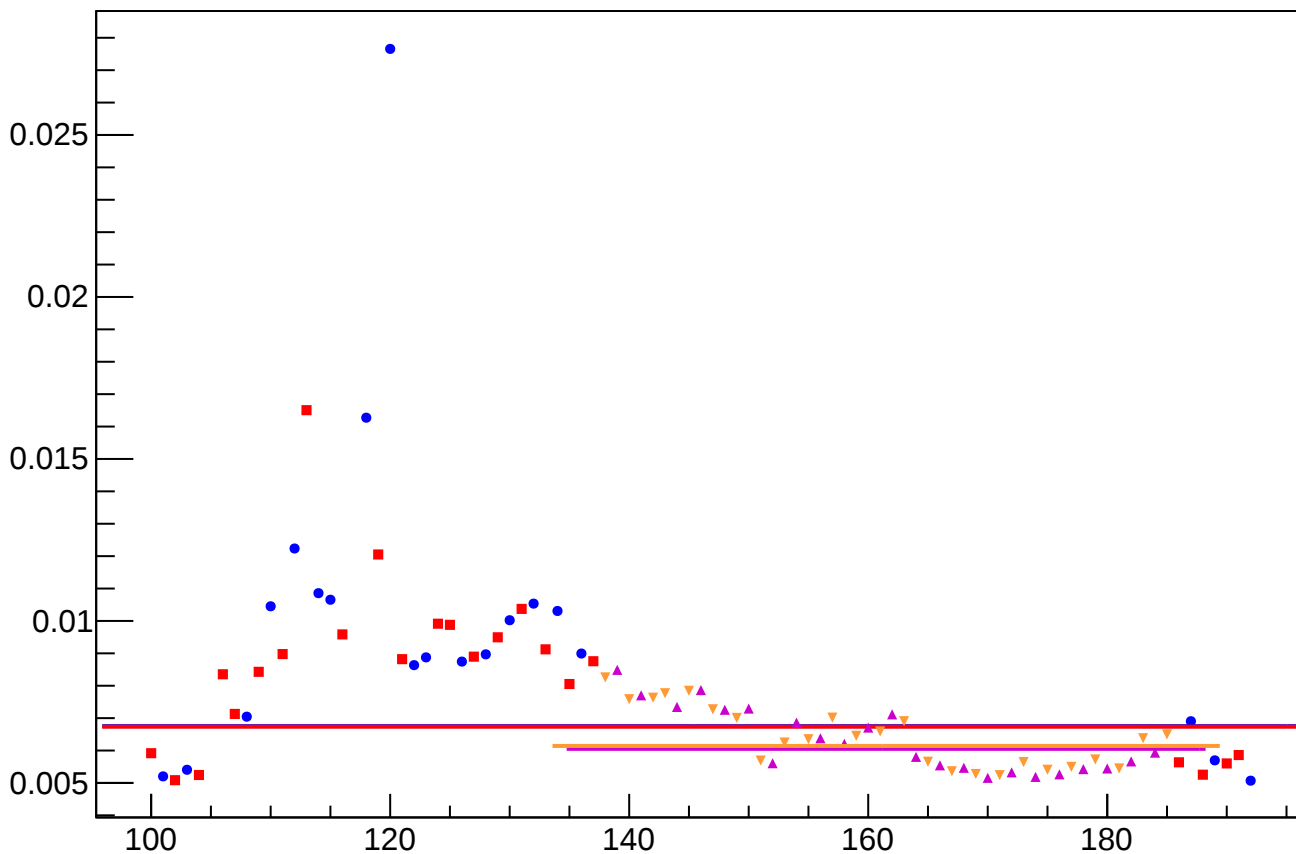
Left In: -0.851 ± 0.000 $\chi^2/\text{NDF}: 46438446008.2/22$

+ sign -1.150 ± 0.000 $\chi^2/\text{NDF}: 203382028607.4/44$

All: -1.135 ± 0.000 $\chi^2/\text{NDF}: 436516305160.5$

- sign -1.121 ± 0.000 $\chi^2/\text{NDF}: 232888318564.1/45$

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: 0.007 $\pm$ 0.000 χ^2 /NDF: 1237957.3/22

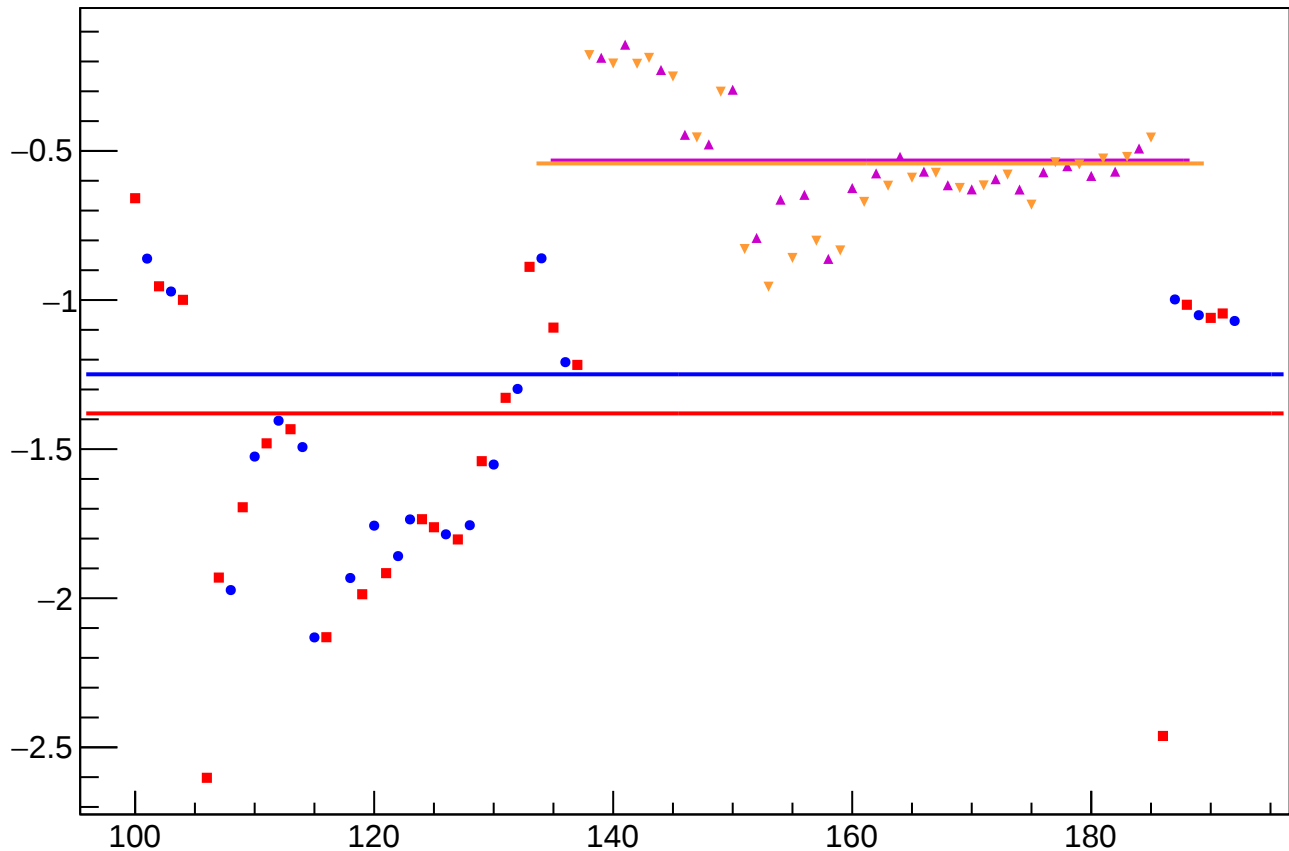
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:697577.8/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2262781.2/44

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4308514.3/90

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2044199.1/45

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: -1.380+/-0.000 χ^2/NDF : 70284353374.3/22

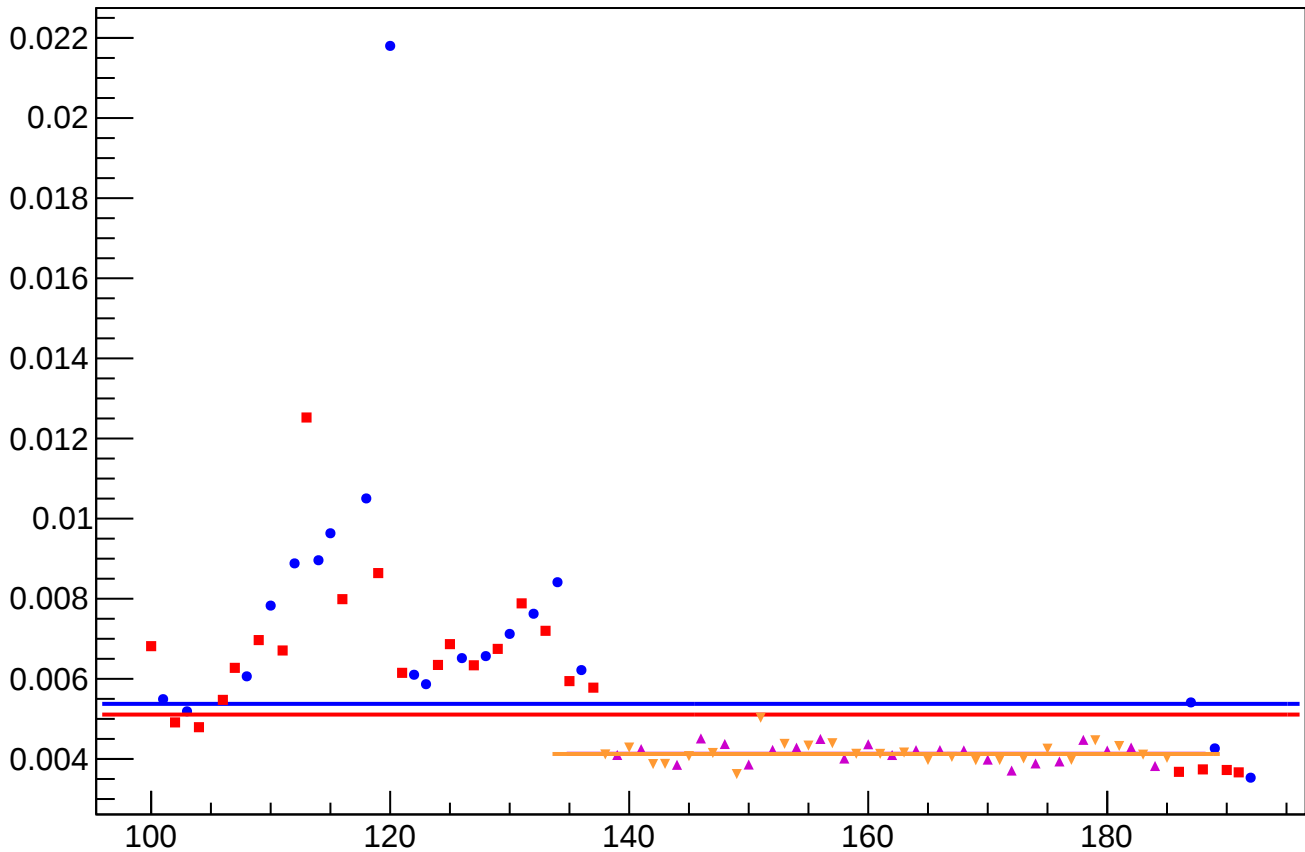
Left In: -0.532+/-0.000 χ^2/NDF : 30715235426.8/22

+ sign -0.670+/-0.000 χ^2/NDF : 162515429888.1/44

All: -0.697+/-0.000 χ^2/NDF : 416926406127.1

- sign -0.723+/-0.000 χ^2/NDF : 252704774263.5/45

yield_bpm0i05Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1371466.8/19

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:113033.9/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1259623.6/22

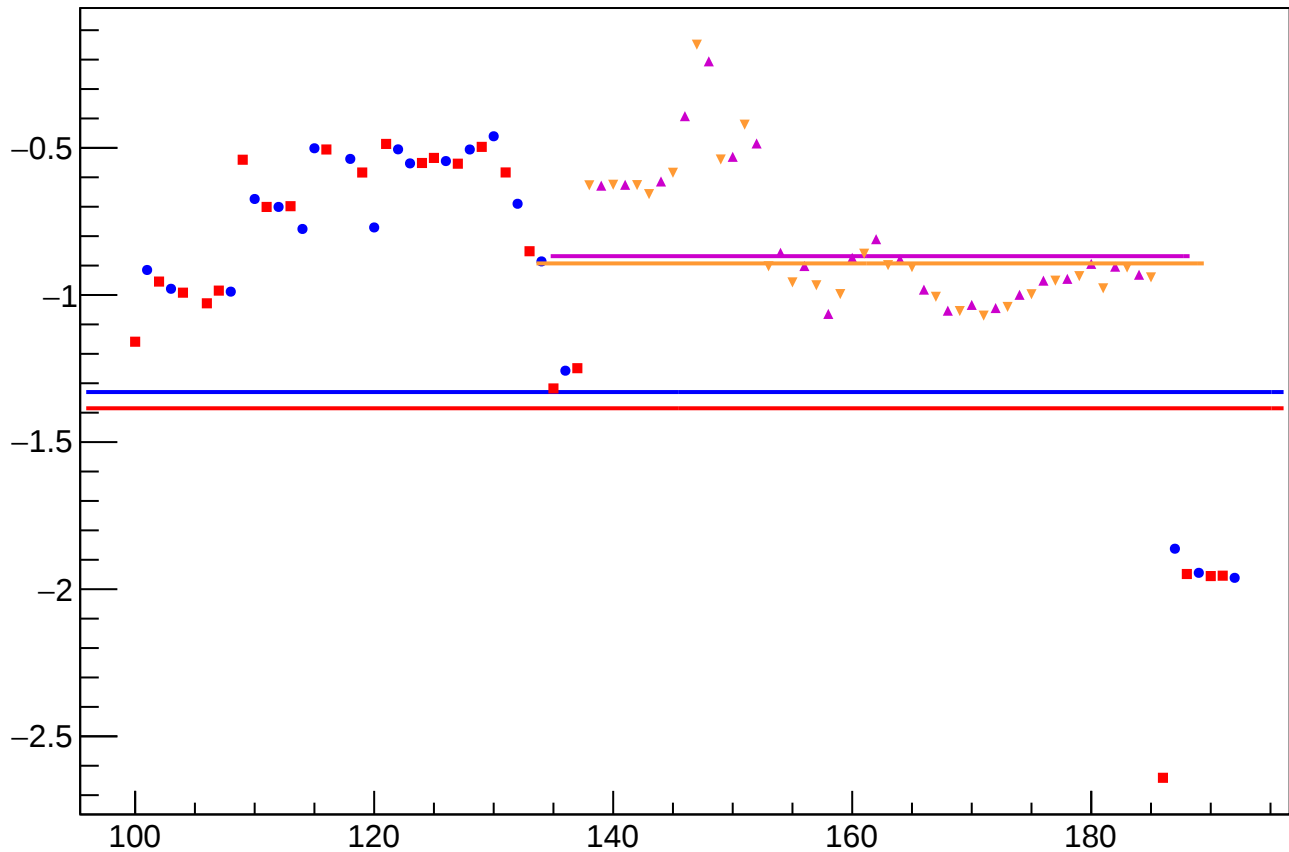
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:93111.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2047366.0/44

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 3804012.1/90

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1756644.6/45

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: -1.385+/-0.000 χ^2/NDF : 190672024392.7/22

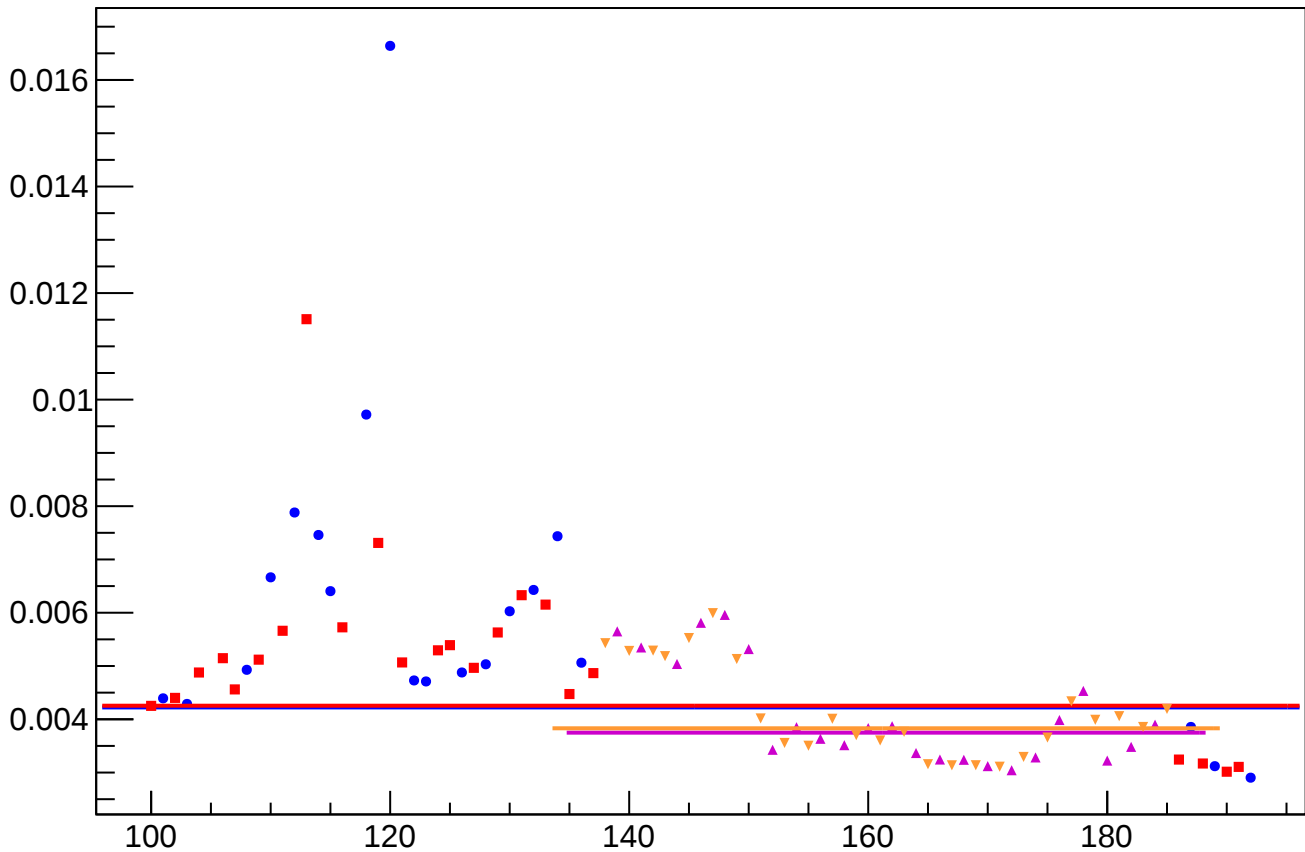
Left In: -0.868+/-0.000 χ^2/NDF : 43853190177.2/22

+ sign -0.998+/-0.000 χ^2/NDF : 220936972188.1/44

All: -1.002+/-0.000 χ^2/NDF : 534870490449.7

- sign -1.006+/-0.000 χ^2/NDF : 313892274890.4/45

yield_bpm0i07X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1531496.8/19

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1186816.6/22

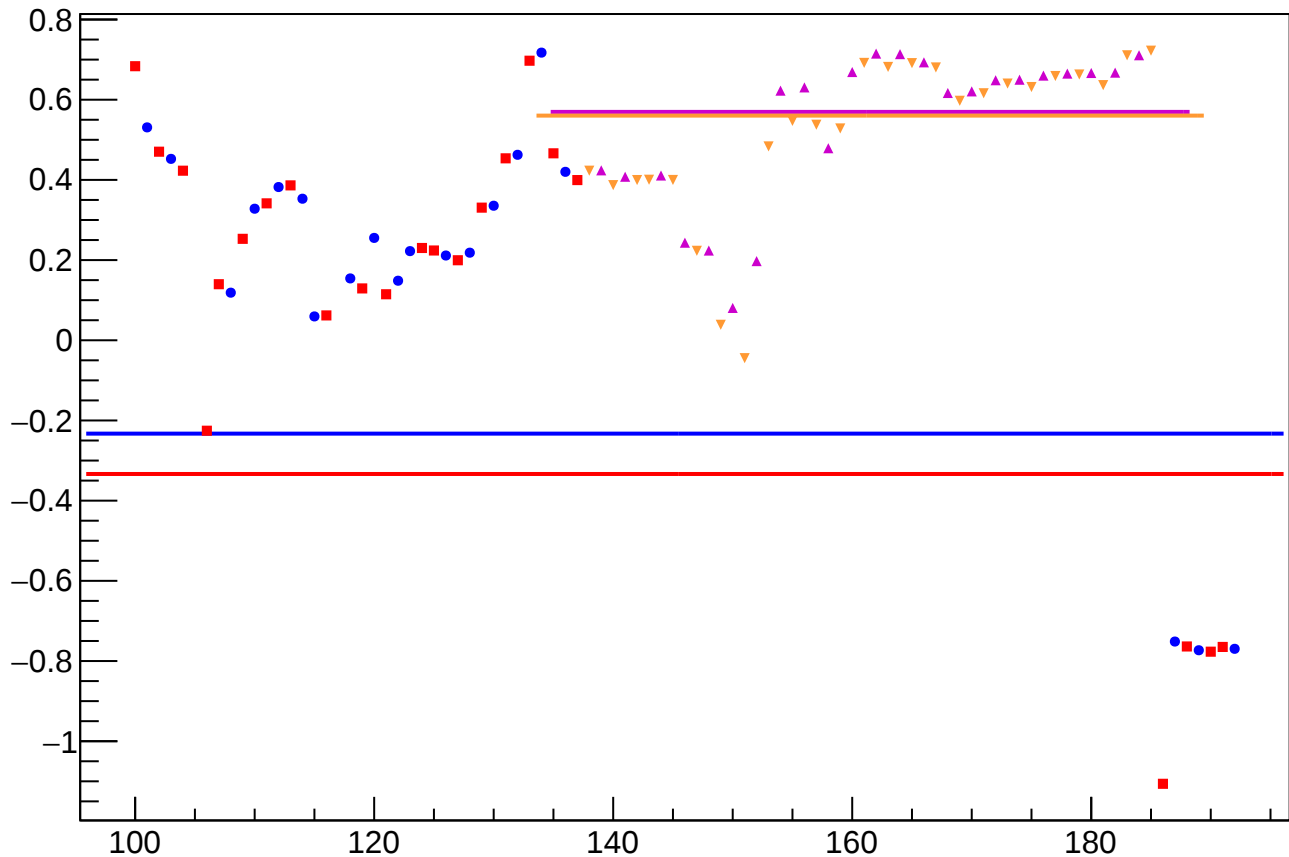
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2794672.9/44

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 5424391.7/90

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2627090.7/45

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: -0.333+/-0.000 χ^2/NDF : 317955485959.2/22

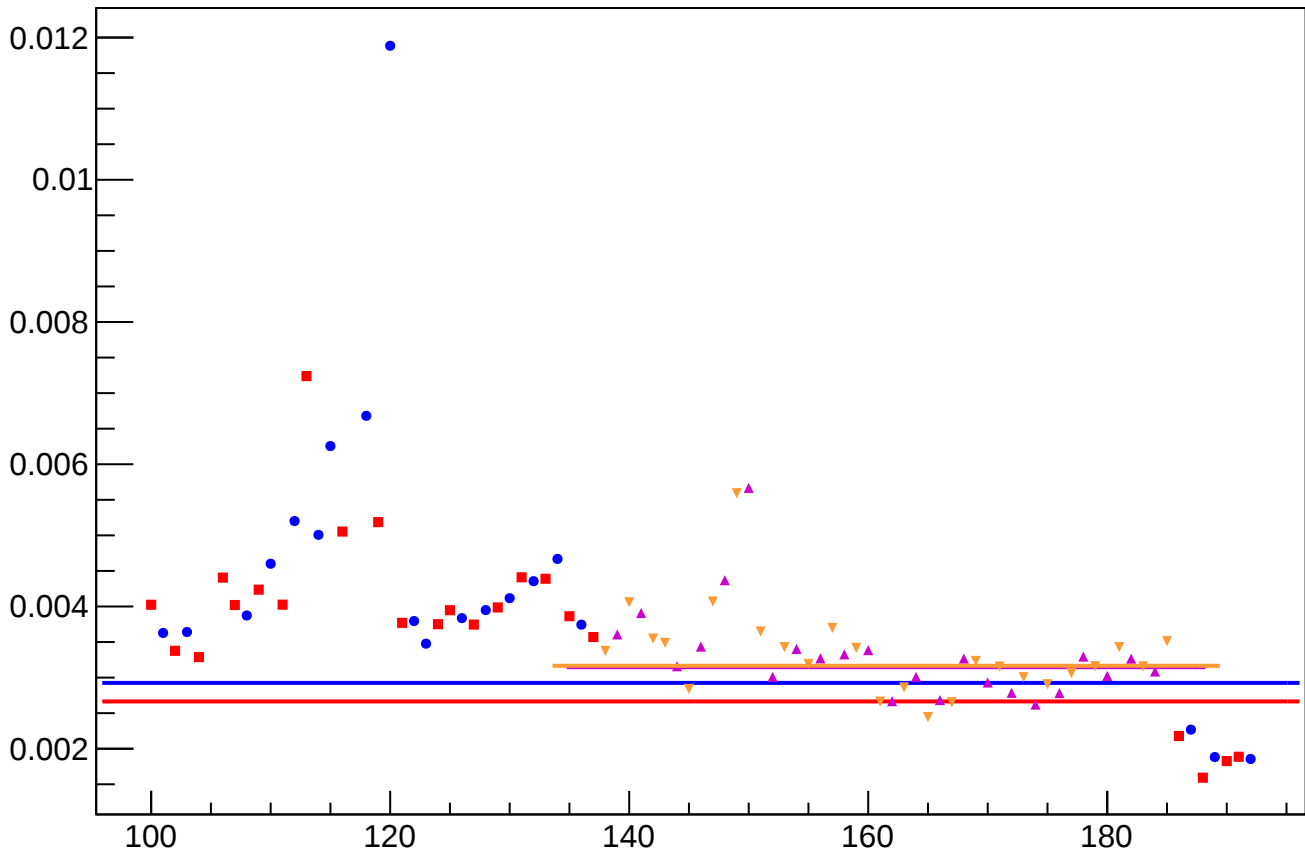
Left In: 0.570+/-0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.316+/-0.000 χ^2/NDF : 592652687370.1/44

All: 0.272+/-0.000 χ^2/NDF : 1439193908172.

- sign 0.230+/-0.000 χ^2/NDF : 837675497164.0/45

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: 2505303.1/22

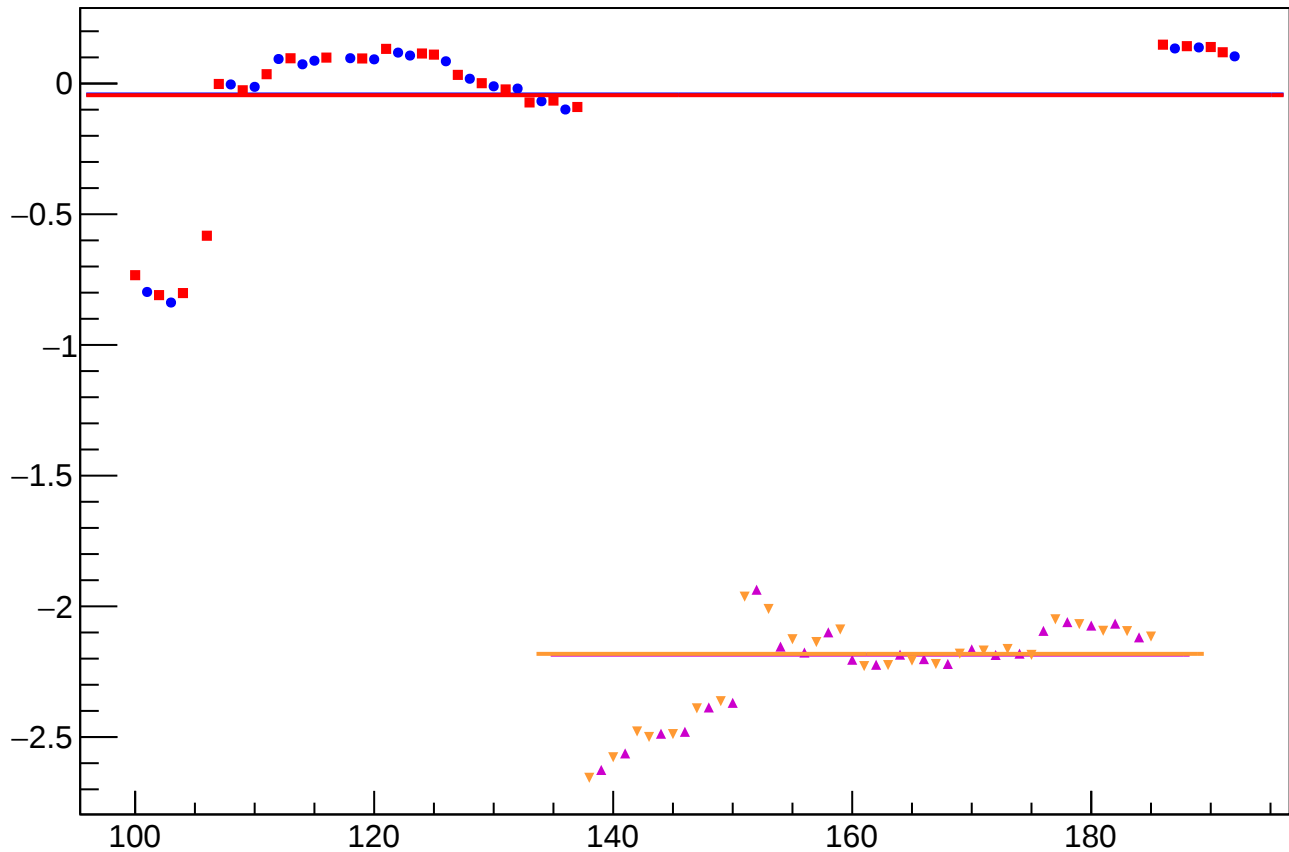
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:716402.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2950010.9/44

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 6482005.3/90

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 3493293.7/45

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: -0.045+/-0.000 χ^2/NDF : 6443630810.1/22

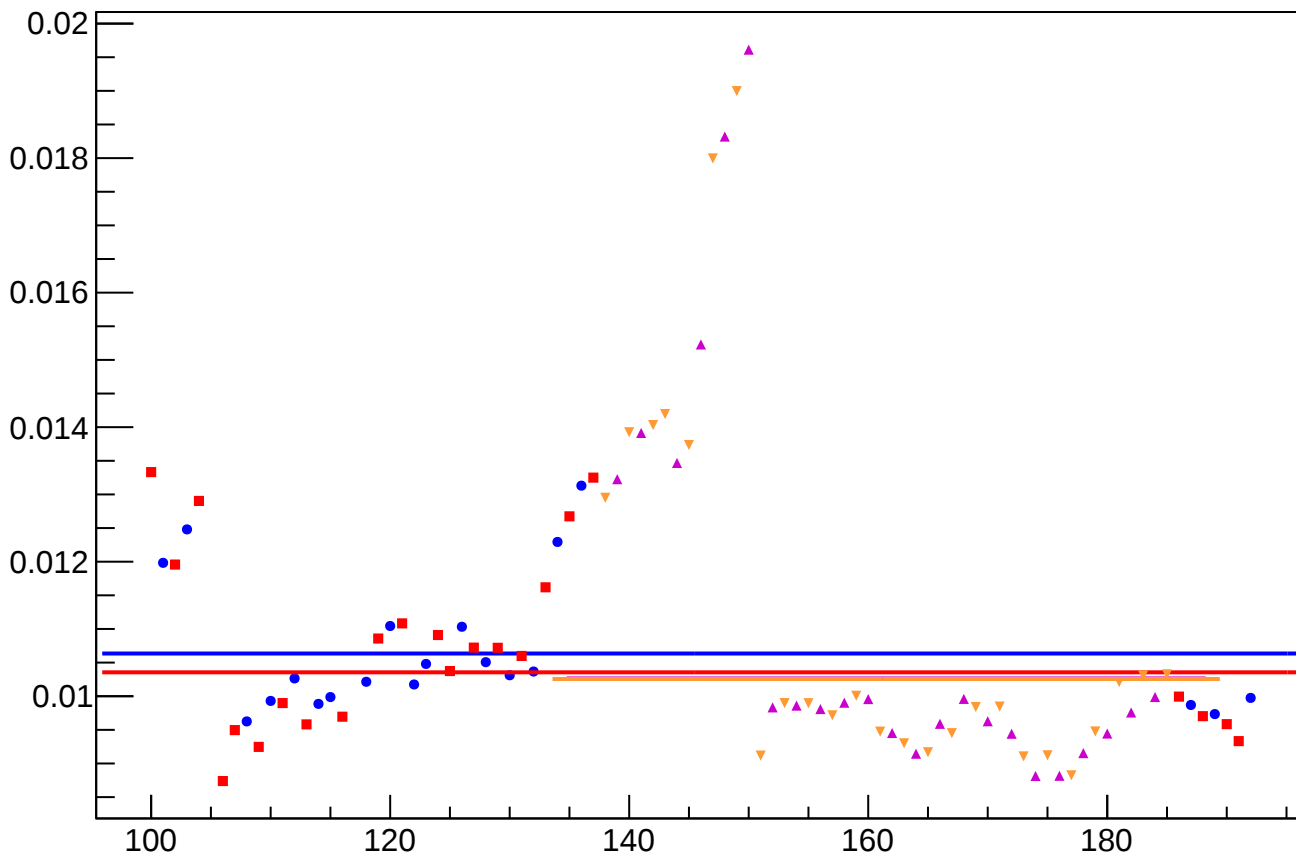
Left In: -2.185+/-0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.540+/-0.000 χ^2/NDF : 240074045755.6/44

All: -1.494+/-0.000 χ^2/NDF : 498812385038.6

- sign -1.449+/-0.000 χ^2/NDF : 257750594318.8/45

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 : 204166.0/22

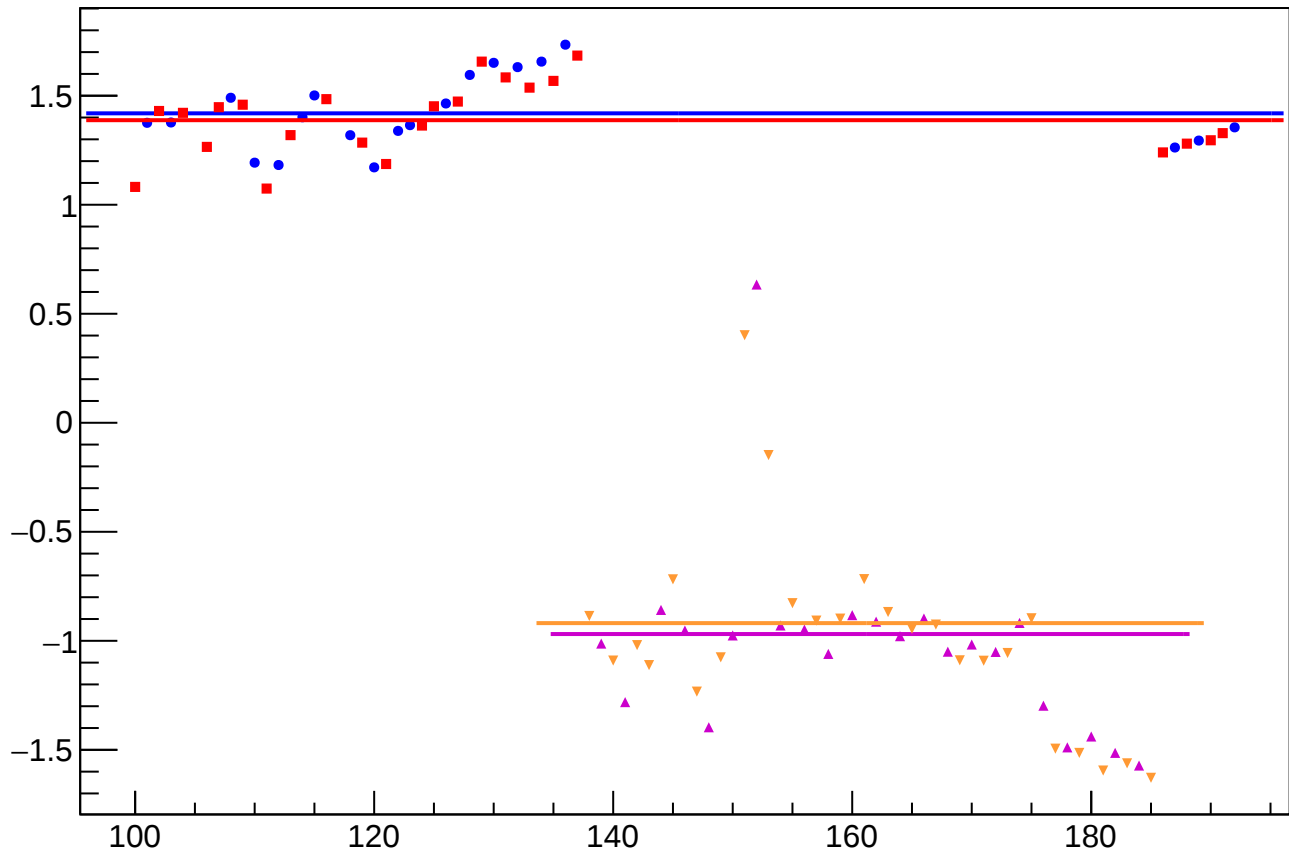
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1432102.8/44

All: 0.010+/-0.000 χ^2/NDF : 2978744.1/90

- sign 0.010+/-0.000 χ^2/NDF : 1545323.9/45

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: 1.388 $\pm$ 0.000 χ^2 /NDF: 3190786169.4/22

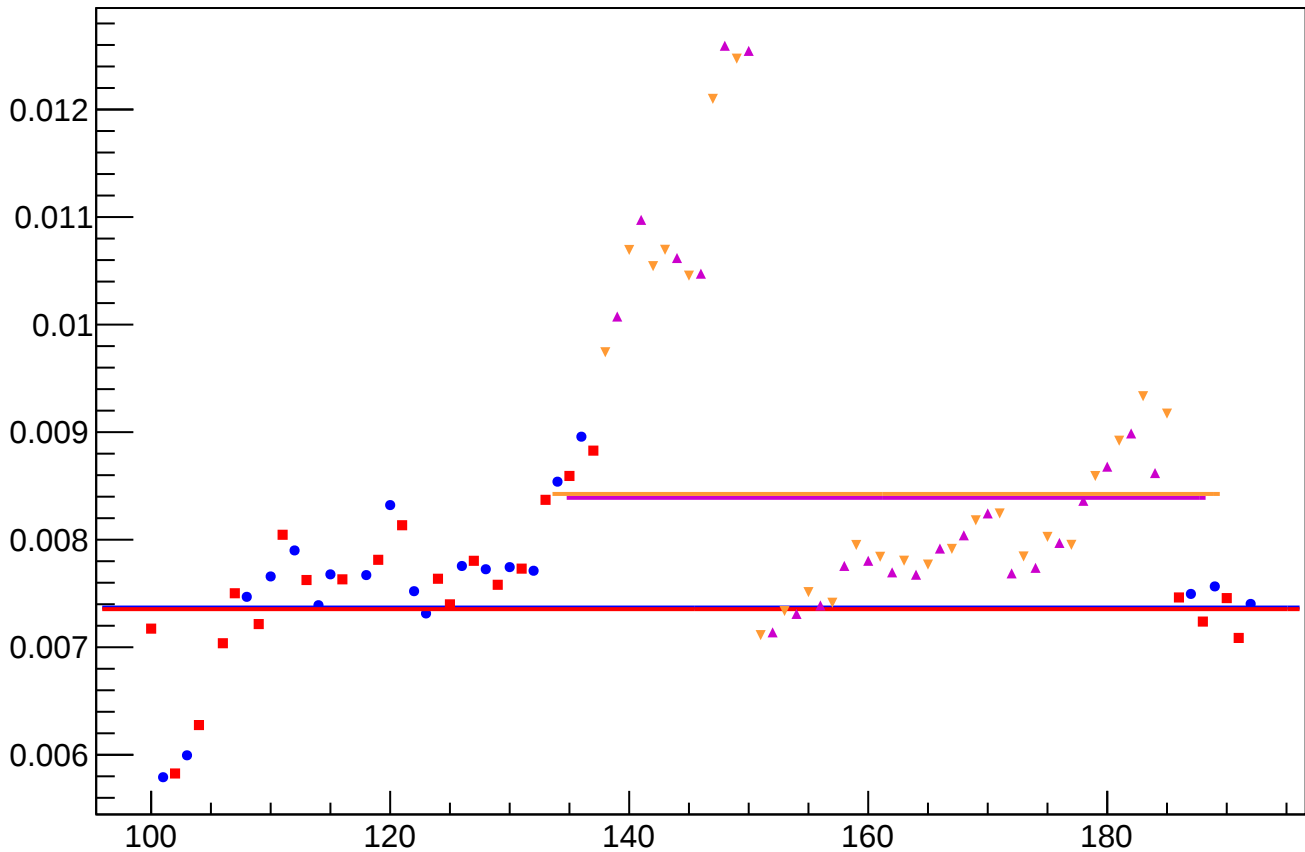
Left In: -0.969 $\pm$ 0.000 χ^2 /NDF: 54895002535.8/22

+ sign -0.051 $\pm$ 0.000 χ^2 /NDF: 571068154998.4/44

All: -0.031 $\pm$ 0.000 χ^2 /NDF: 1169678690509

- sign -0.012 $\pm$ 0.000 χ^2 /NDF: 598302433113.9/45

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: 173957.4/22

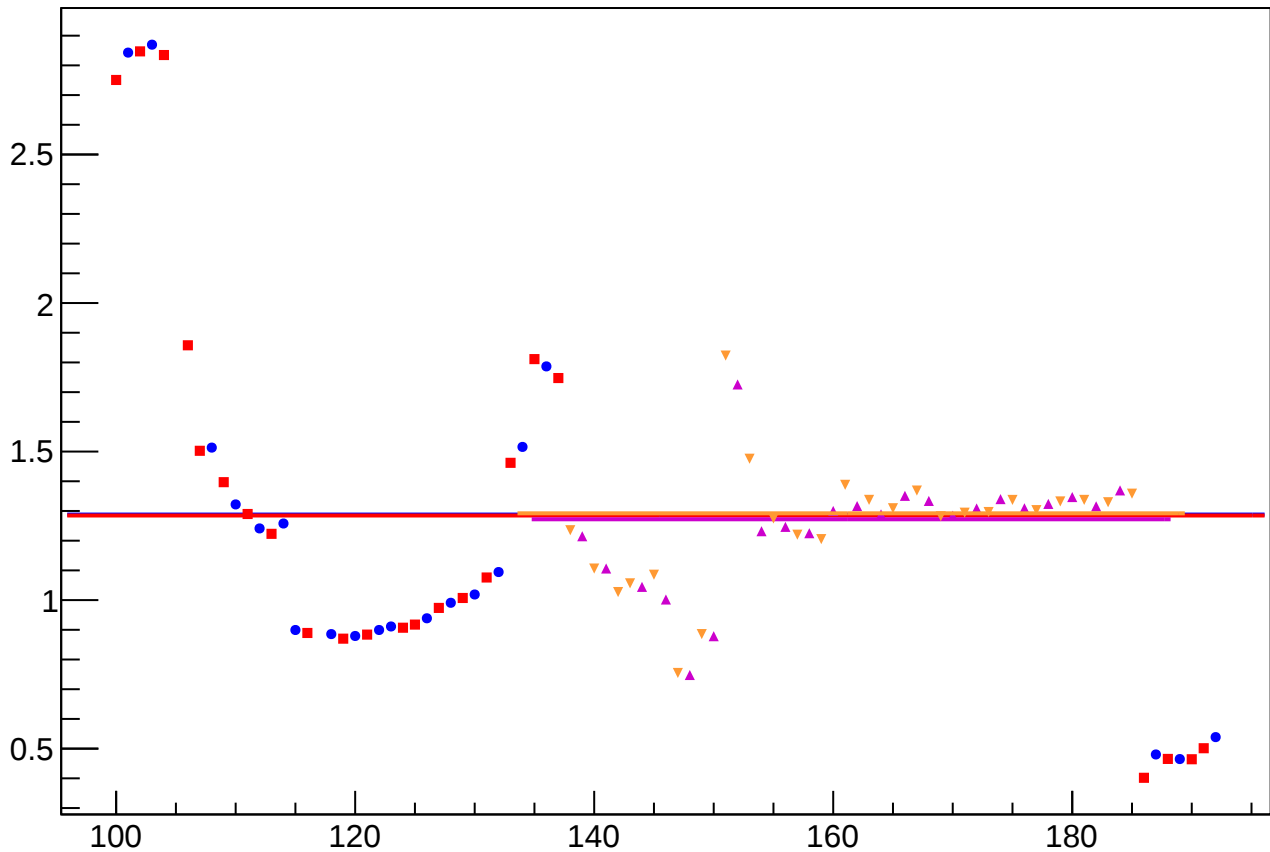
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1230725.7/44

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2454684.7/90

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1222292.7/45

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

Right Out: 1.285+/-0.000 χ^2/NDF : 64900386872.0/22

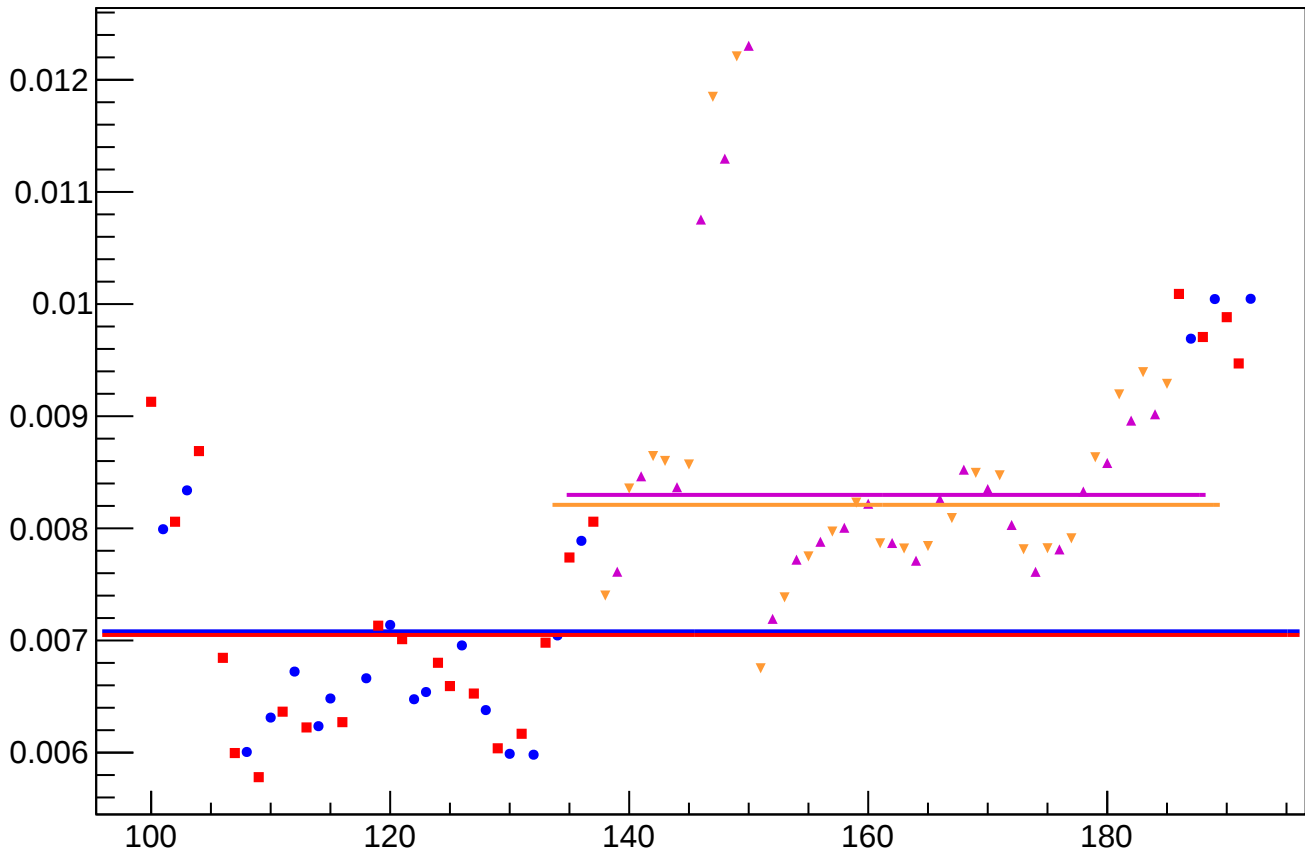
Left In: 1.272+/-0.000 χ^2/NDF : 7573930981.2/22

+ sign 1.291+/-0.000 χ^2/NDF : 73704165170.5/44

All: 1.284+/-0.000 χ^2/NDF : 146231699976.4

- sign 1.277+/-0.000 χ^2/NDF : 72490946194.6/45

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 449494.5/19

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 478864.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 518510.1/22

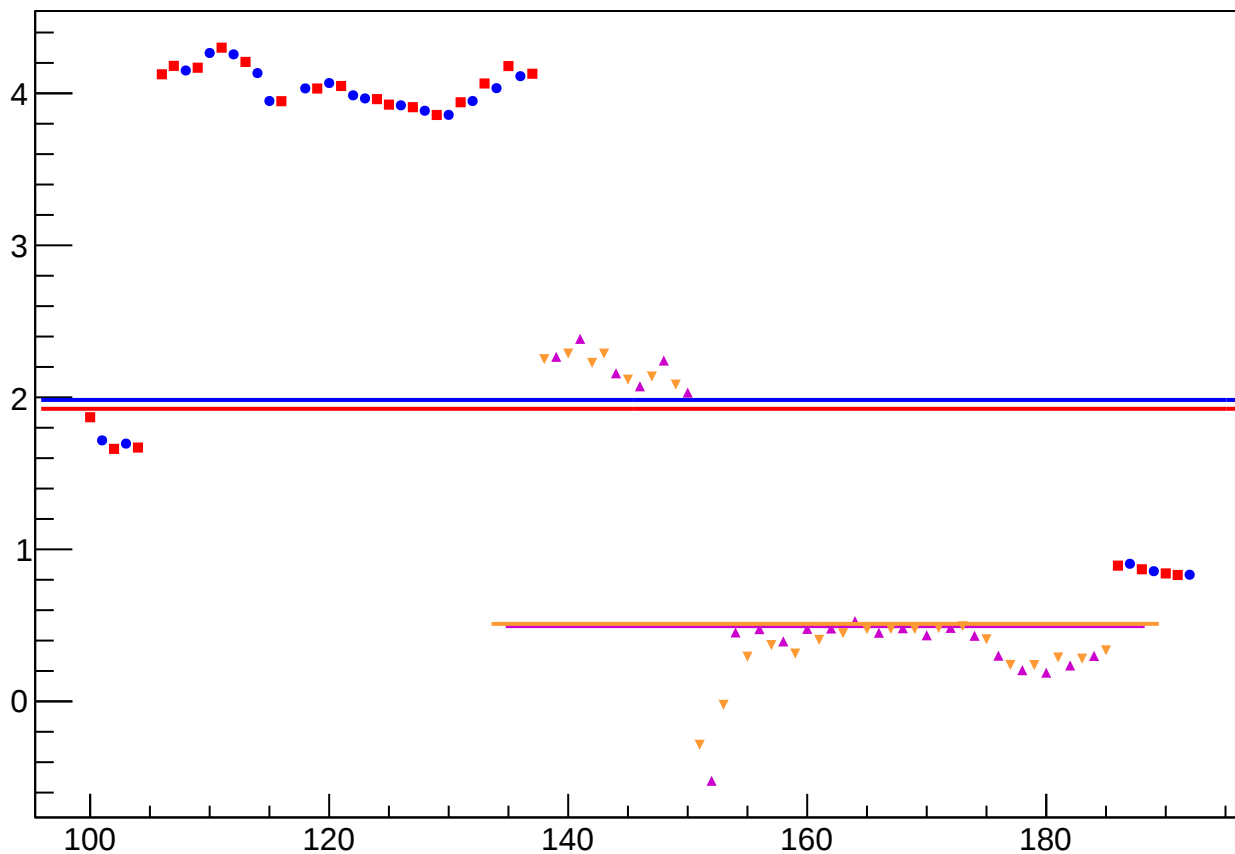
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1180615.5/44

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2478578.3/90

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1297938.0/45

yield_bpm1i04Y_mean vs Slug



Right In: 1.983 $\pm$ 0.000 χ^2/NDF : 1143998656166.1/19

Left Out: 0.510 $\pm$ 0.000 χ^2/NDF : 274818814912.4/24

Right Out: 1.925 $\pm$ 0.000 χ^2/NDF : 1302925552120.8/22

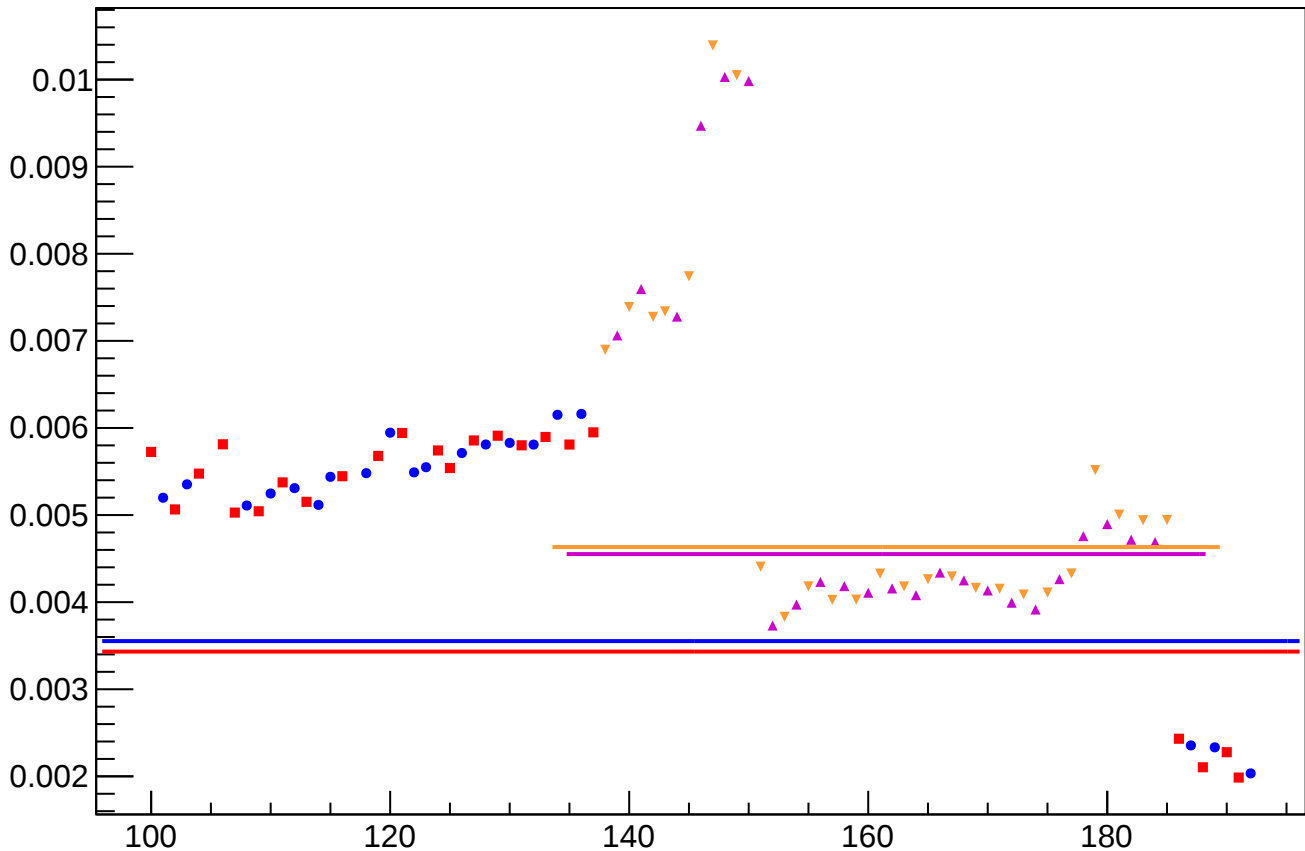
Left In: 0.495 $\pm$ 0.000 χ^2/NDF : 268863202792.4/22

+ sign 1.101 $\pm$ 0.000 χ^2/NDF : 2095101285681.2/44

All: 1.115 $\pm$ 0.000 χ^2/NDF : 4352915011541.2/44

- sign 1.128 $\pm$ 0.000 χ^2/NDF : 2257344097401.7/45

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: 3241383.9/22

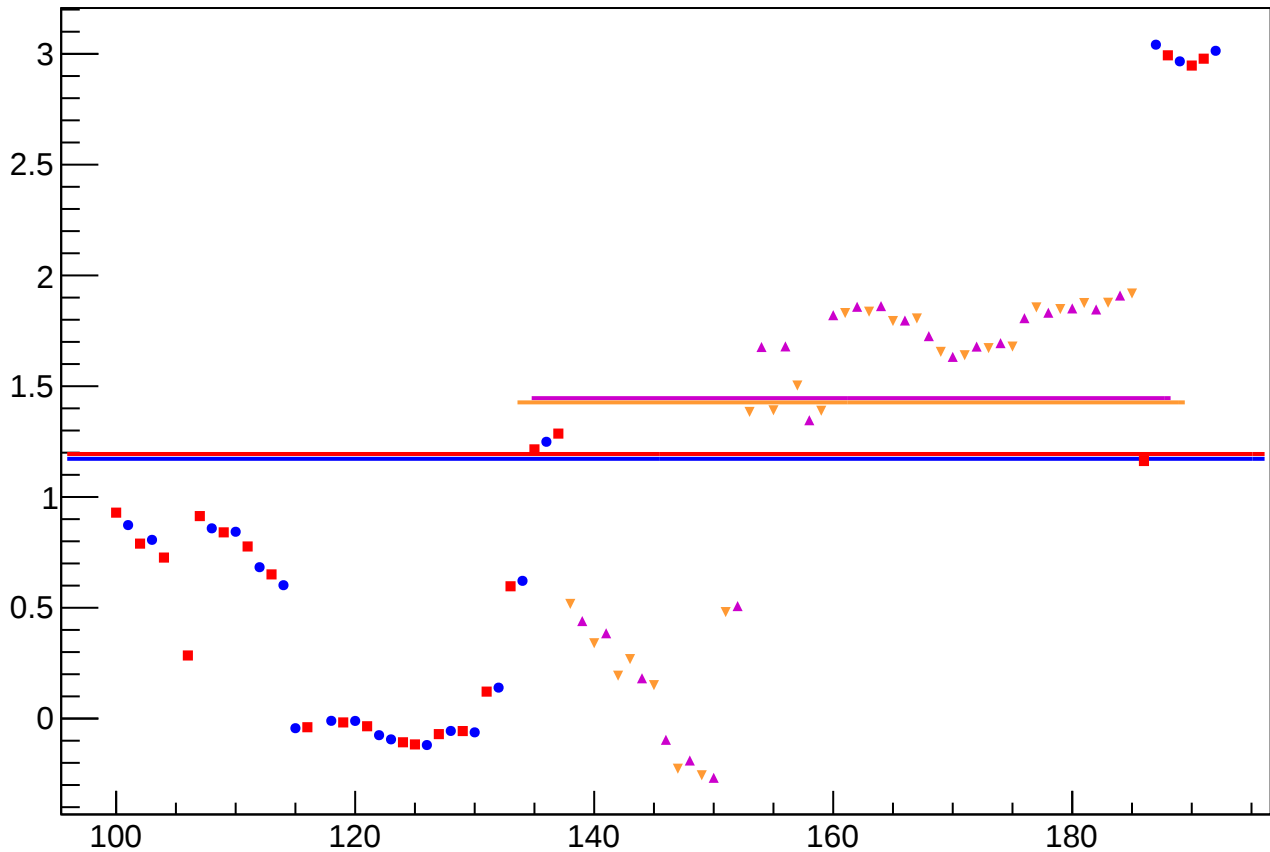
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 2237666.9/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5868341.7/44

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 12215447.4/90

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 6319992.8/45

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: 1.194 $\pm$ 0.000 χ^2 /NDF: 71776502522.9/22

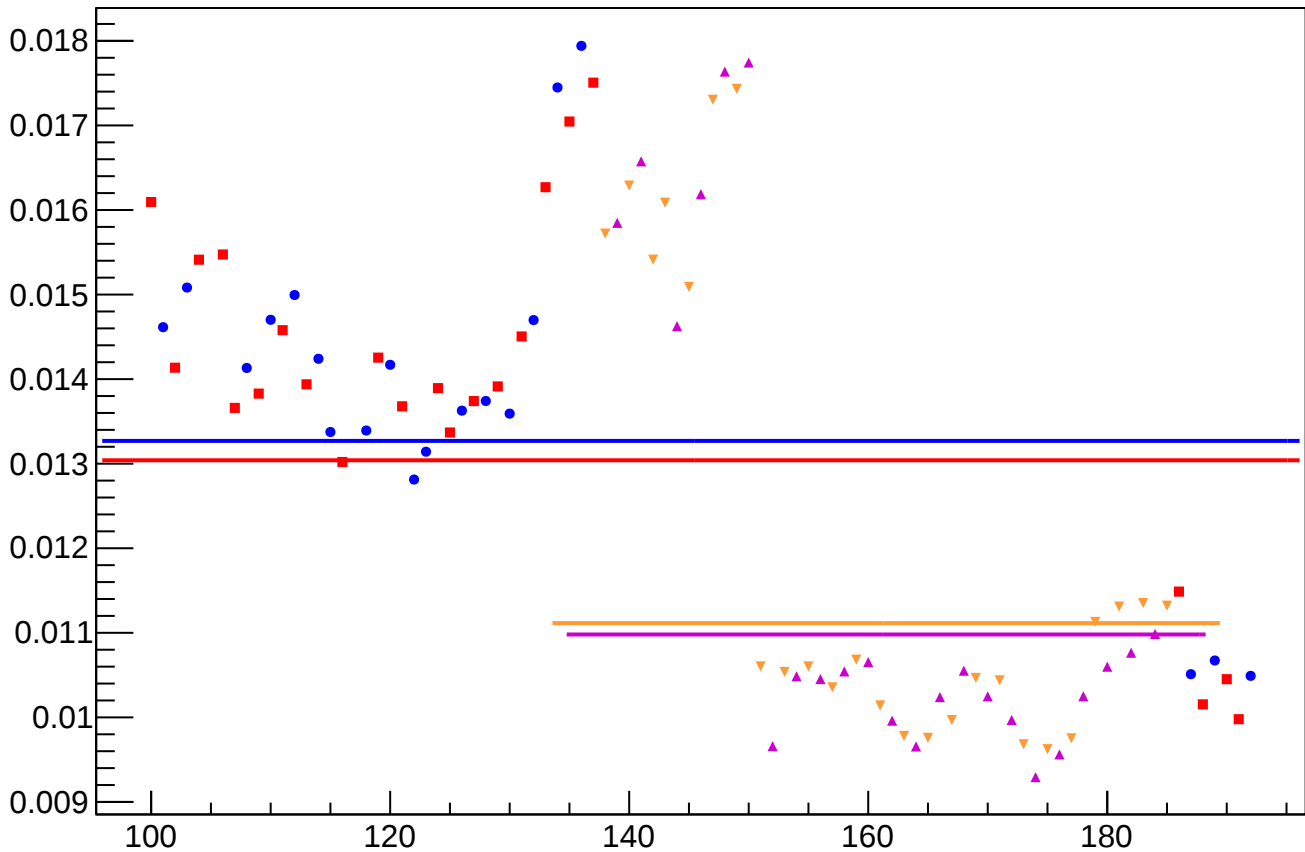
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.365 $\pm$ 0.000 χ^2 /NDF: 124723834908.3/44

All: 1.372 $\pm$ 0.000 χ^2 /NDF: 252614864073.2

- sign 1.378 $\pm$ 0.000 χ^2 /NDF: 127875492153.5/45

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 : 443938.6/22

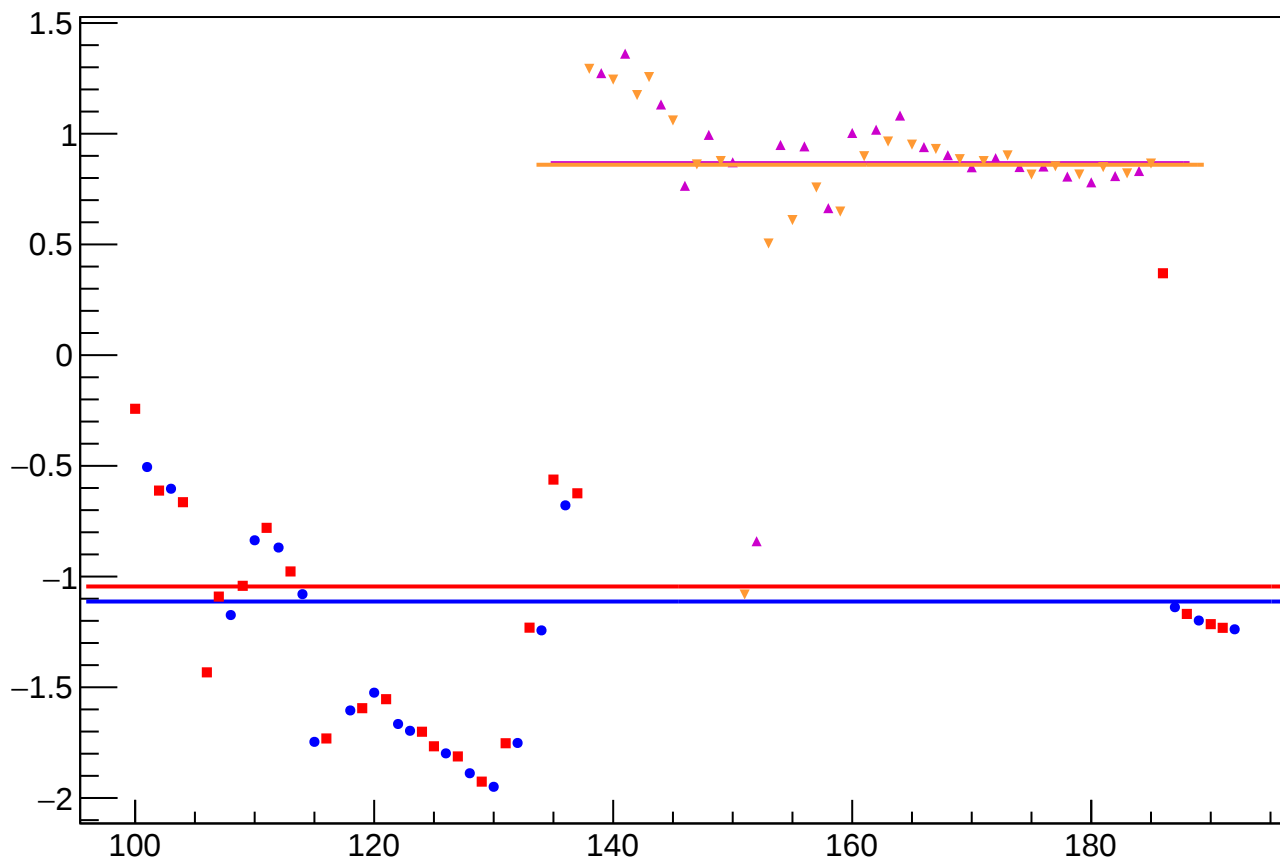
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 1945313.4/44

All: 0.012+/-0.000 χ^2/NDF : 3969607.7/90

- sign 0.012+/-0.000 χ^2/NDF : 2022385.5/45

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: -1.045 ± 0.000 χ^2/NDF : 62906623594.6/22

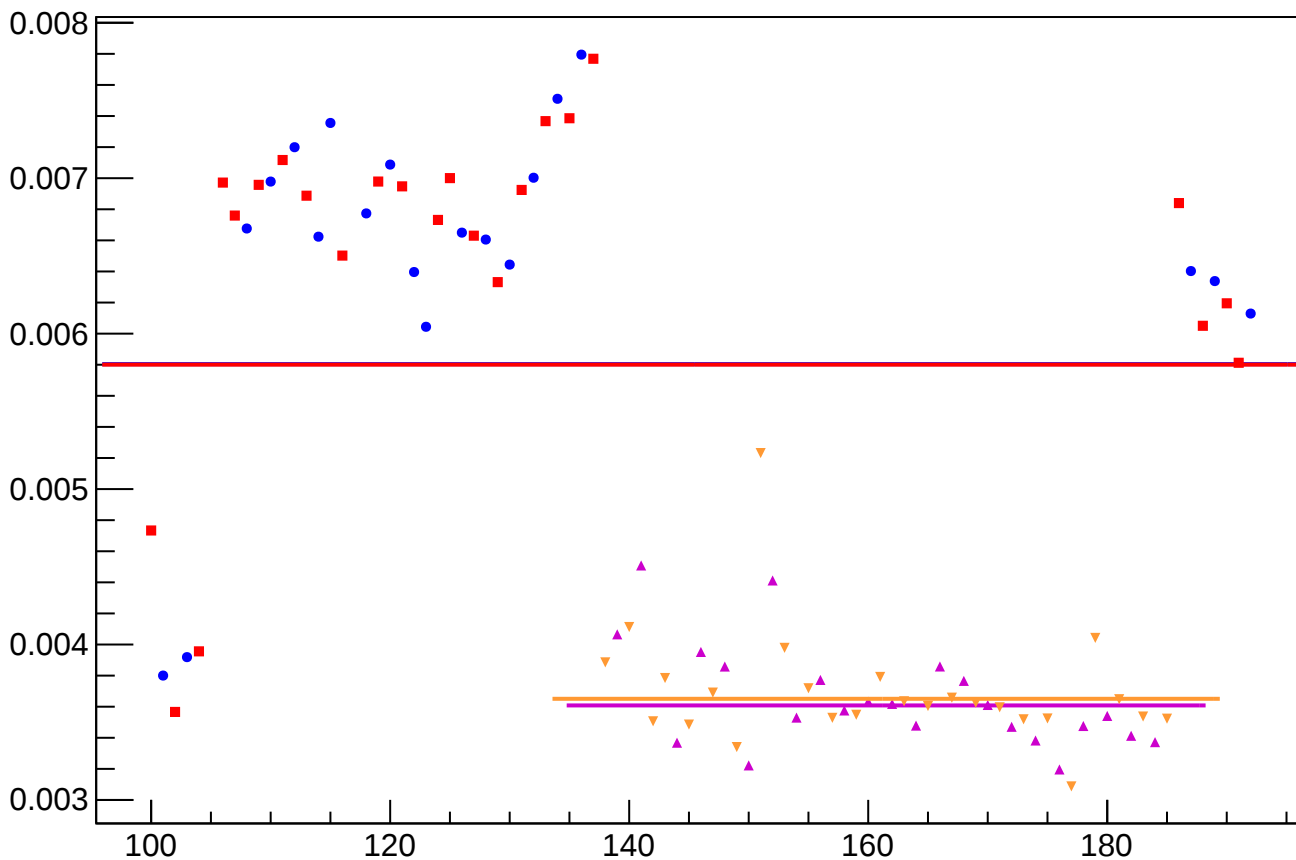
Left In: 0.867 ± 0.000 χ^2/NDF : 147039402944.6/22

+ sign 0.566 ± 0.000 χ^2/NDF : 908172577768.0/44

All: 0.560 ± 0.000 χ^2/NDF : 1840837234083.

- sign 0.554 ± 0.000 χ^2/NDF : 932554743923.4/45

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: 946651.9/22

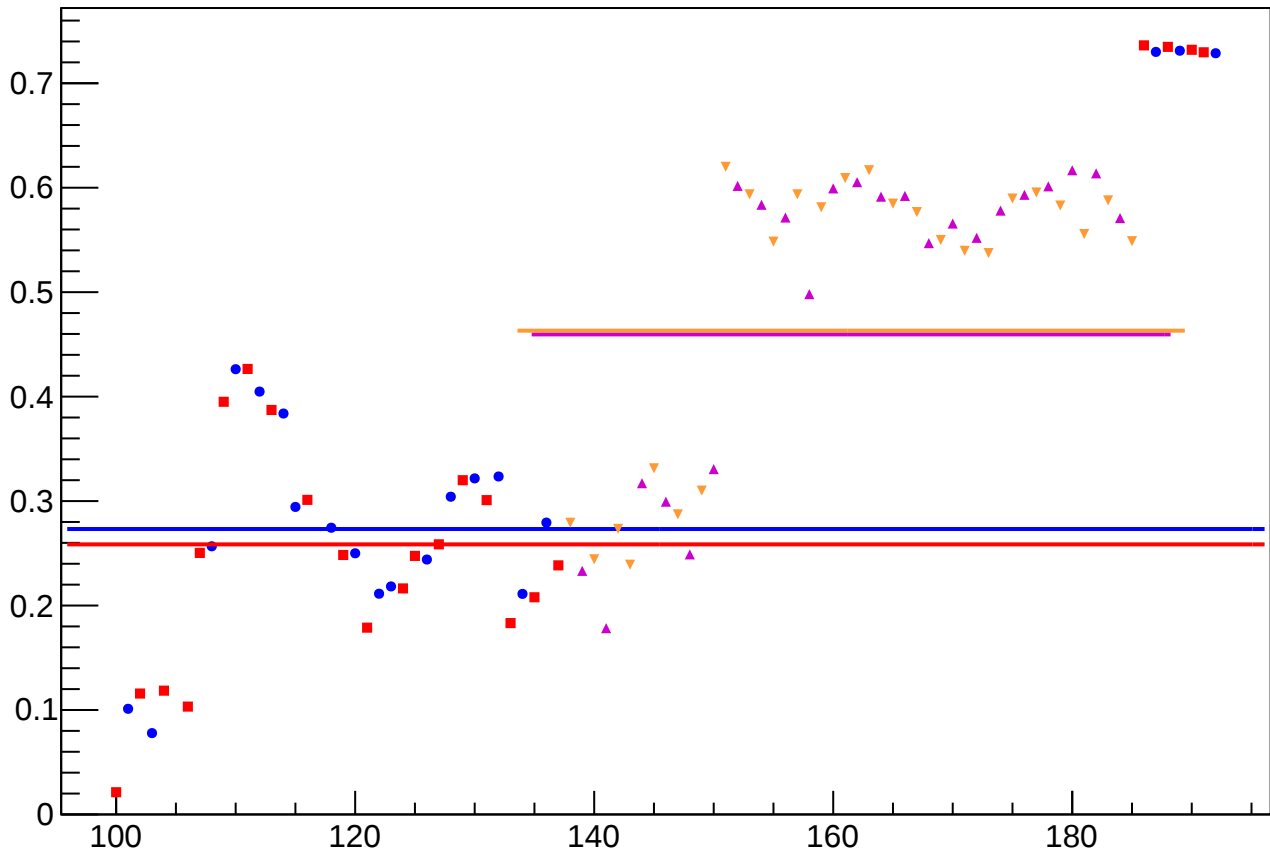
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2820910.3/44

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 5895863.2/90

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3074930.0/45

yield_bpm2i01X_mean vs Slug



Right In: 0.273 $\pm$ 0.000 χ^2 /NDF: 41788217690.3/19

Left Out: 0.463 $\pm$ 0.000 χ^2 /NDF:102506270538.7/24

Right Out: 0.259 $\pm$ 0.000 χ^2 /NDF: 54483142599.3/22

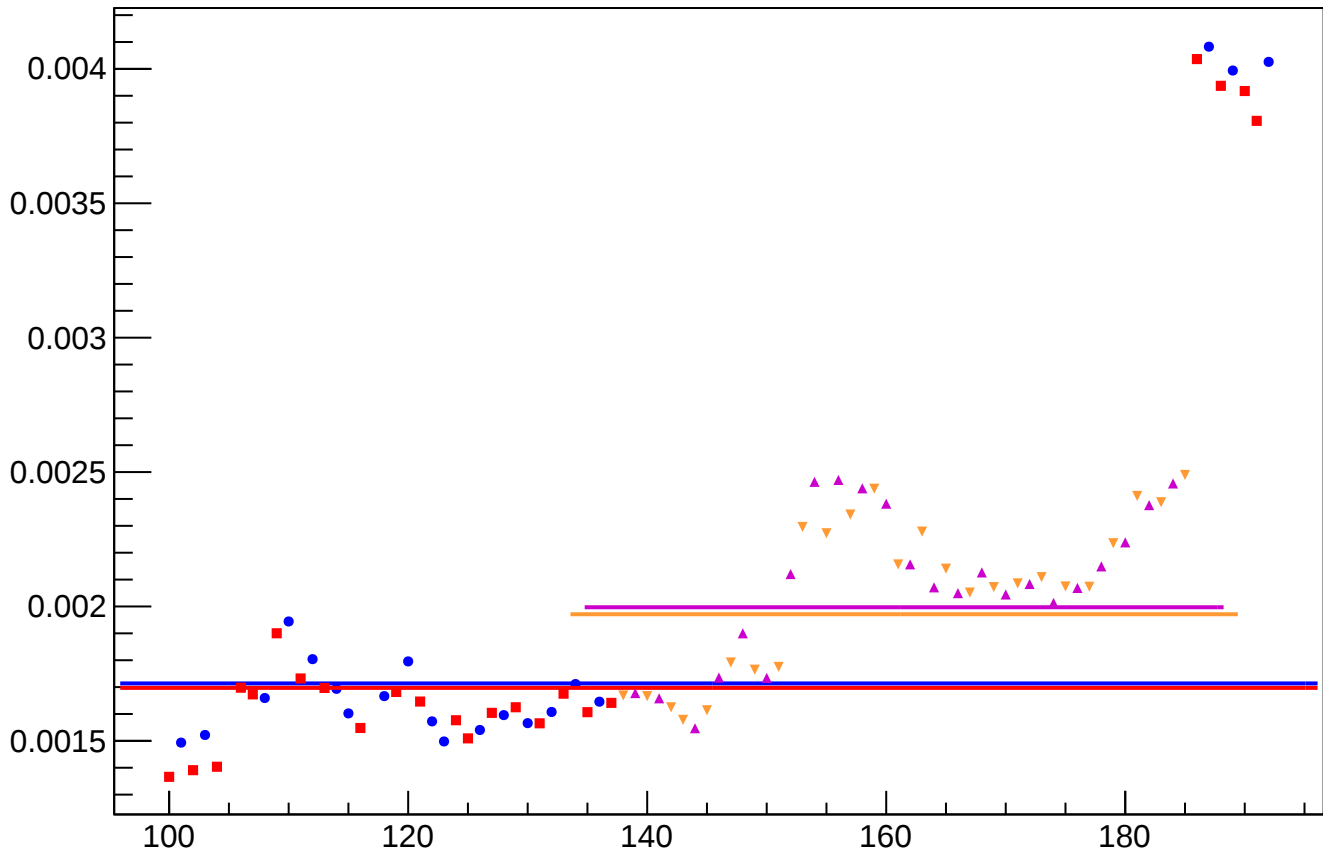
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF:104559088628.4/22

+ sign 0.396 $\pm$ 0.000 χ^2 /NDF: 203133067423.7/44

All: 0.387 $\pm$ 0.000 χ^2 /NDF: 431645911629.1

- sign 0.379 $\pm$ 0.000 χ^2 /NDF: 227470461346.9/45

yield_bpm2i01X_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1099956.3/19

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 730203.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 1350478.5/22

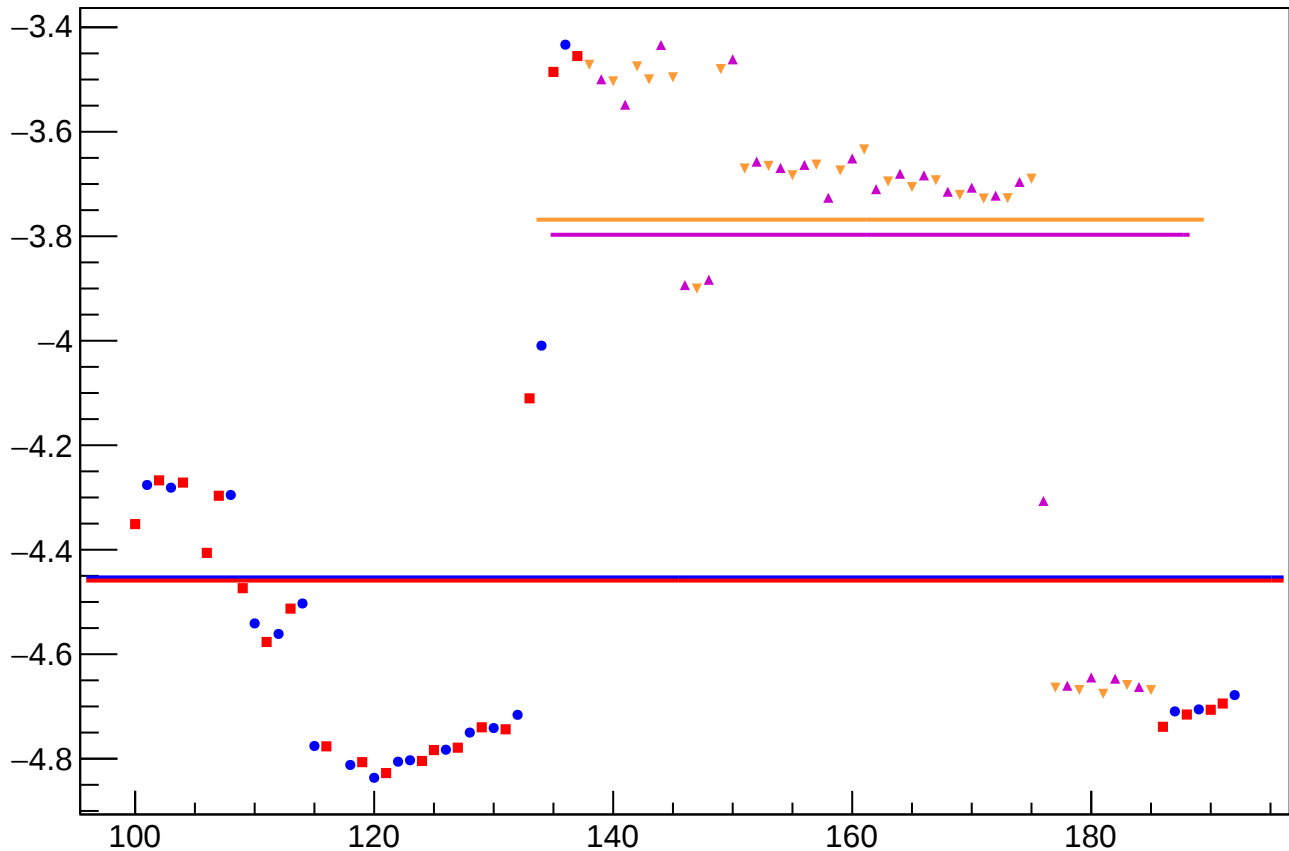
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 666404.2/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2046468.4/44

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 4368118.0/90

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2321566.7/45

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: -4.459+/-0.000 χ^2 /NDF: 338711176878.9/22

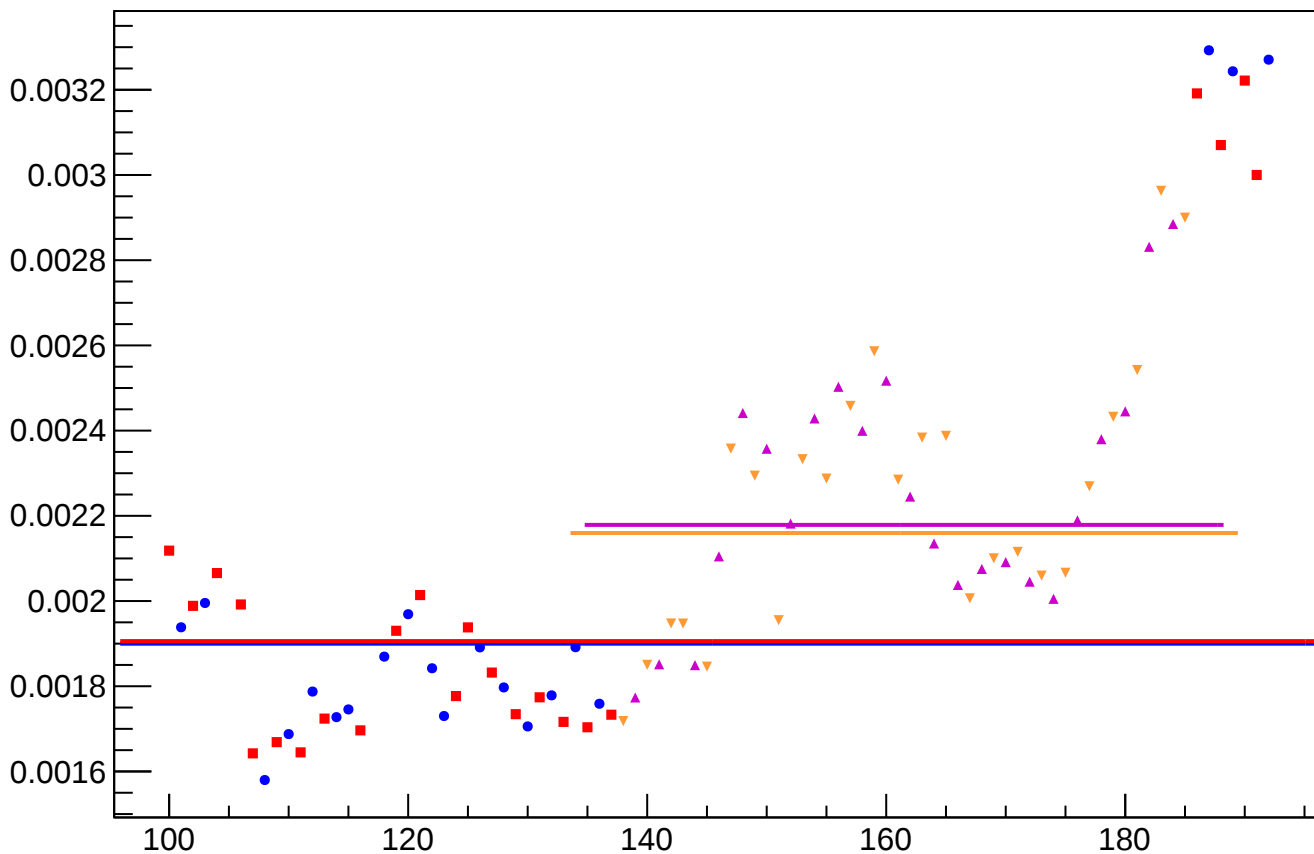
Left In: -3.797+/-0.000 χ^2 /NDF: 444886272608.9/22

+ sign -4.014+/-0.000 χ^2 /NDF: 1559105310633.3/4

All: -4.036+/-0.000 χ^2 /NDF: 2962154247582

- sign -4.058+/-0.000 χ^2 /NDF: 1397221536480.8/4

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 : 688376.3/22

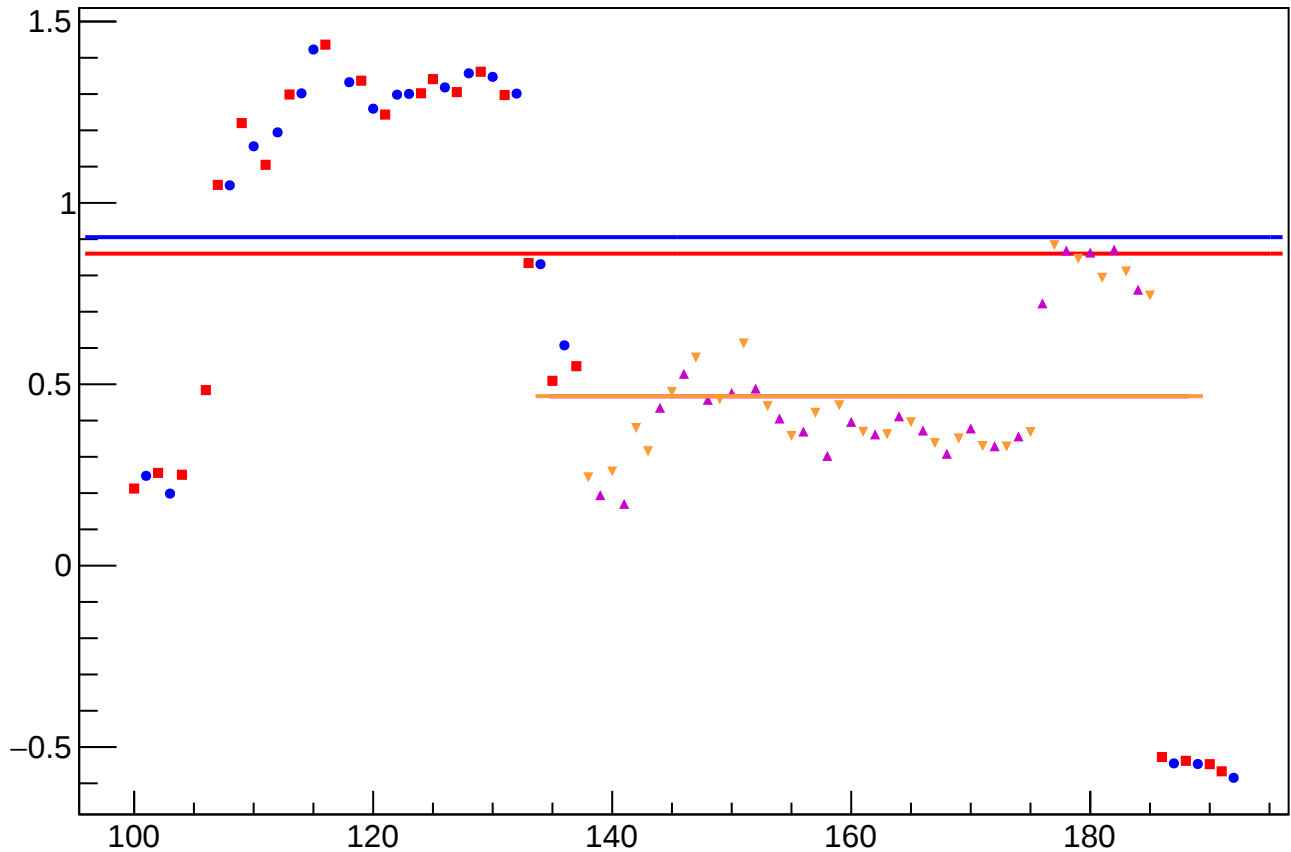
Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 1338744.2/44

All: 0.002+/-0.000 χ^2/NDF : 2698904.8/90

- sign 0.002+/-0.000 χ^2/NDF : 1360034.1/45

yield_bpm2i02X_mean vs Slug



Right In: 0.906 $\pm$ 0.000 χ^2 /NDF: 52266050507.9/19

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

+ sign 0.640 $\pm$ 0.000 χ^2 /NDF: 75468050447.6/44

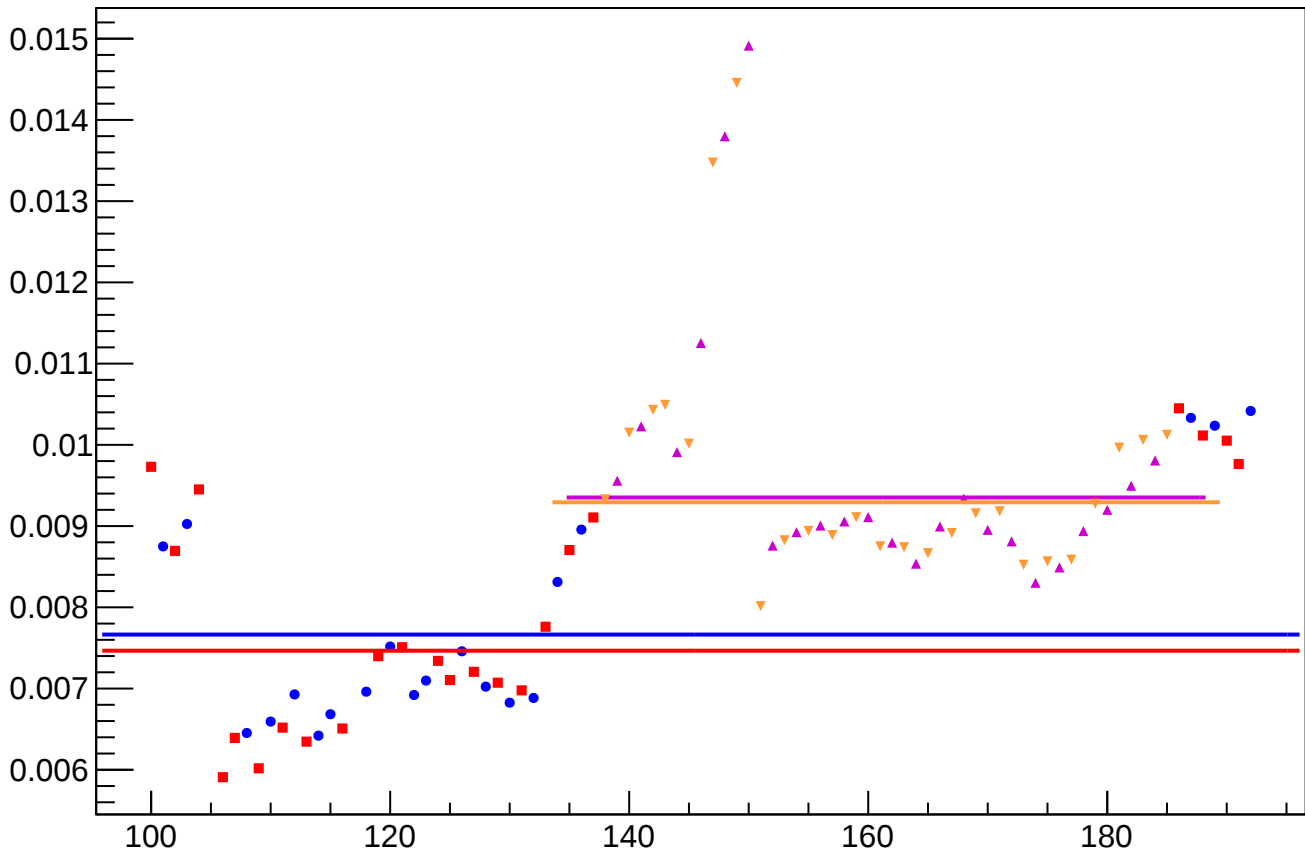
Right Out: 0.860 $\pm$ 0.000 χ^2 /NDF: 60295387616.5/22

All: 0.641 $\pm$ 0.000 χ^2 /NDF: 157167155180.4

- sign 0.642 $\pm$ 0.000 χ^2 /NDF: 81698667022.5/45

Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

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: 0.007+/-0.000 χ^2/NDF : 550774.2/22

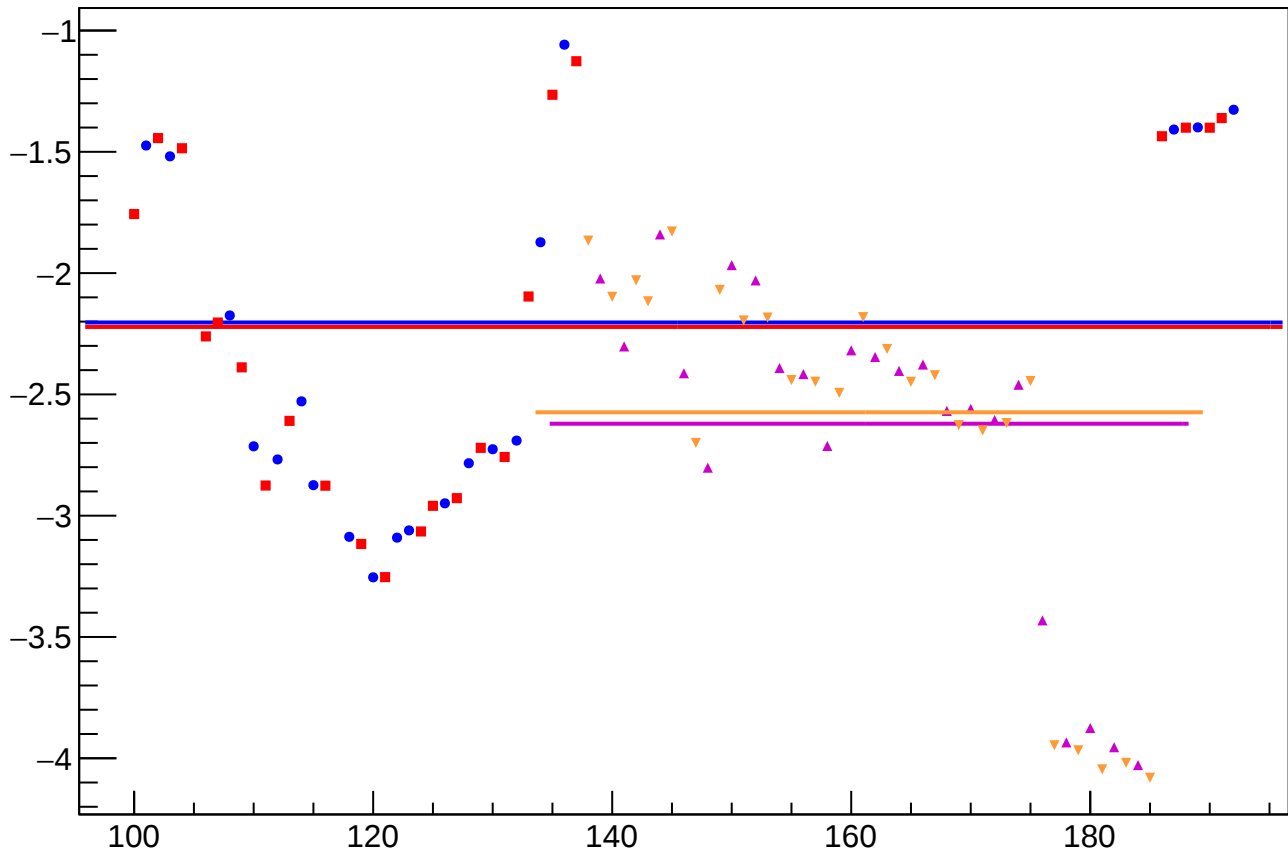
Left In: 0.009+/-0.000 χ^2/NDF : 557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 1377280.2/44

All: 0.009+/-0.000 χ^2/NDF : 3106696.4/90

- sign 0.009+/-0.000 χ^2/NDF : 1722878.5/45

yield_bpm2i02Y_mean vs Slug



Right In: -2.204 $\pm$ 0.000 χ^2 /NDF: 86746082050.4/19

Left Out: -2.574 $\pm$ 0.000 χ^2 /NDF: 99176112704.9/24

Right Out: -2.222 $\pm$ 0.000 χ^2 /NDF: 80329045058.6/22

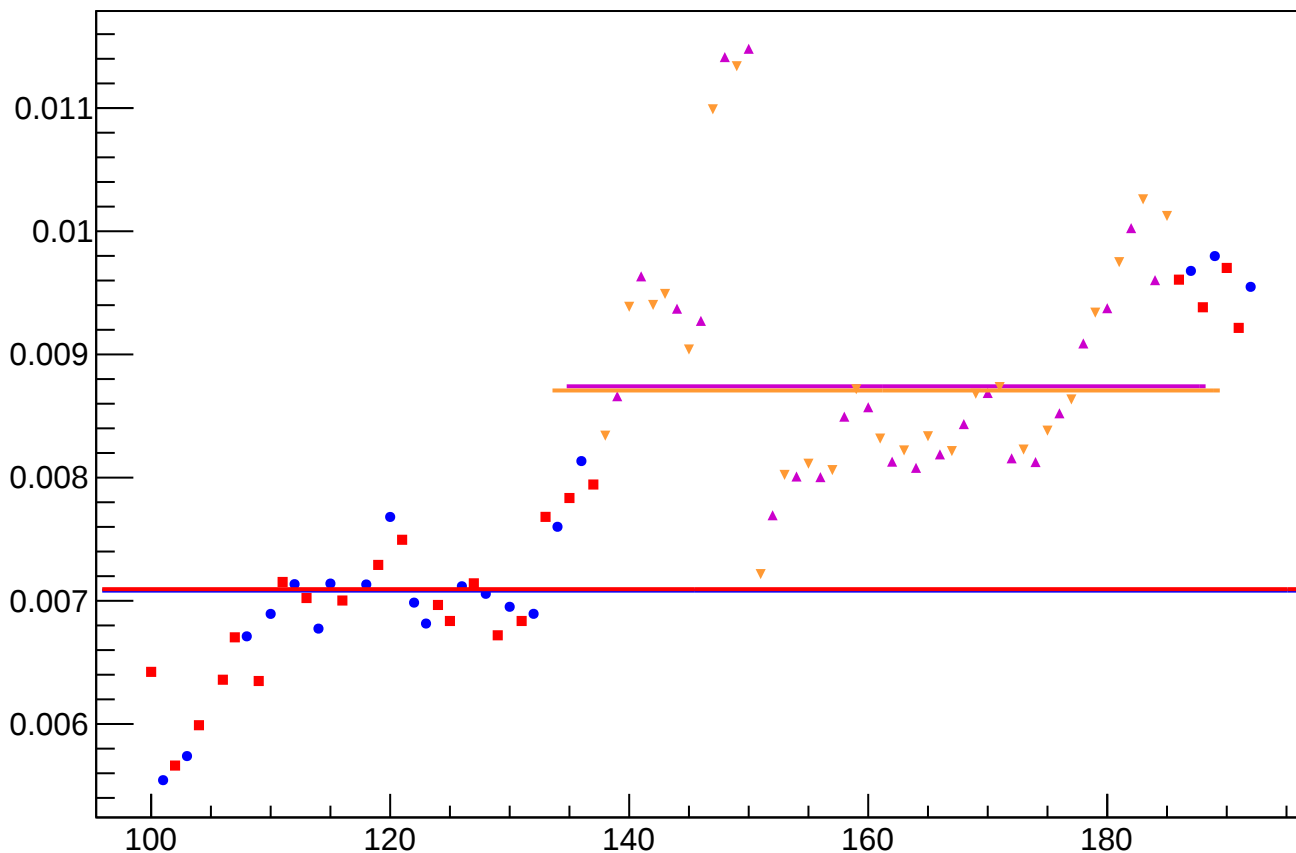
Left In: -2.621 $\pm$ 0.000 χ^2 /NDF: 80862402796.4/22

+ sign -2.426 $\pm$ 0.000 χ^2 /NDF: 199060215780.4/44

All: -2.436 $\pm$ 0.000 χ^2 /NDF: 375948184646.9

- sign -2.446 $\pm$ 0.000 χ^2 /NDF: 176801243466.8/45

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 : 389733.9/22

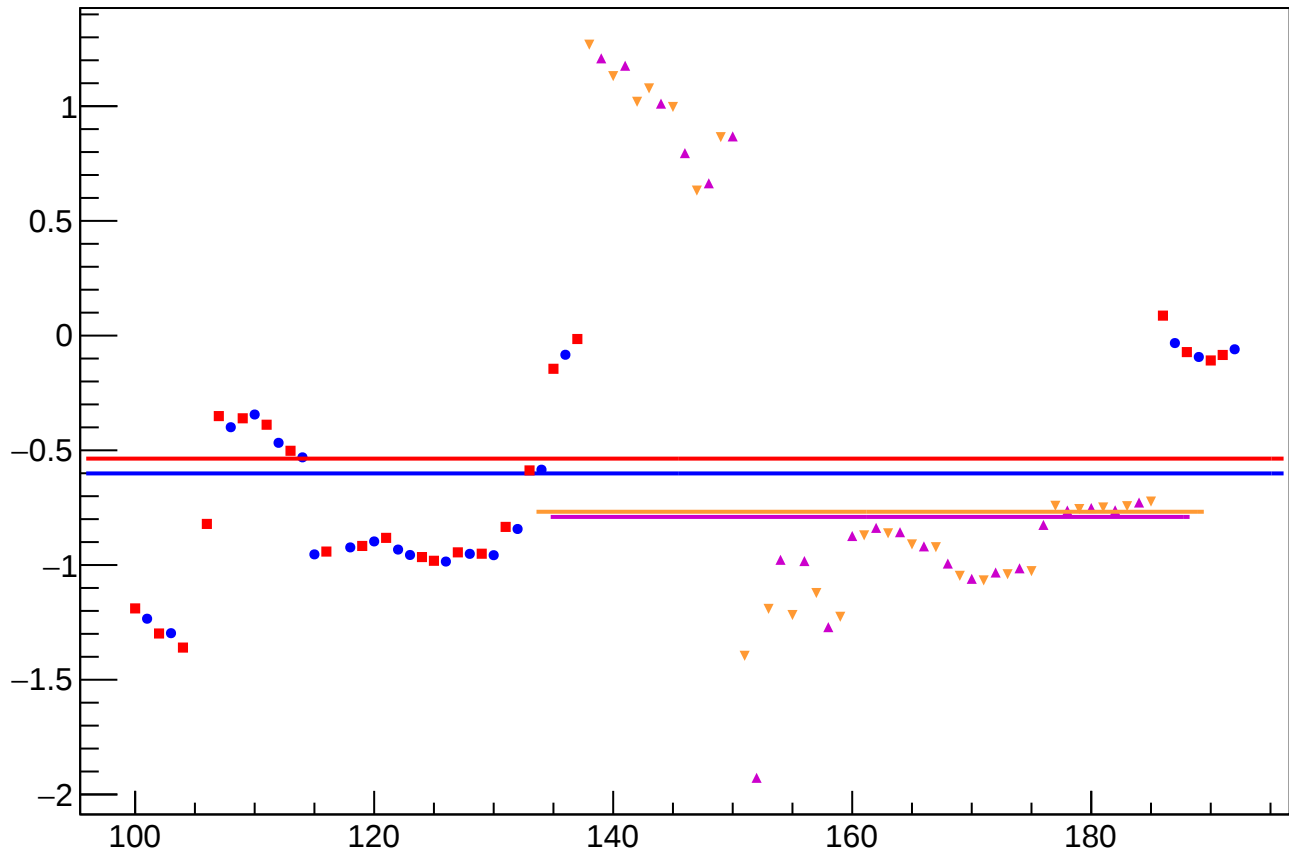
Left In: 0.009+/-0.000 χ^2/NDF :353750.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 1280214.3/44

All: 0.008+/-0.000 χ^2/NDF : 2555997.9/90

- sign 0.008+/-0.000 χ^2/NDF : 1275263.6/45

yield_bpm0i01X_mean vs Slug



Right In: -0.601 ± 0.000 $\chi^2/\text{NDF}: 16574858828.7/19$

Left Out: -0.768 ± 0.000 $\chi^2/\text{NDF}: 120774855982.9/24$

Right Out: -0.536 ± 0.000 $\chi^2/\text{NDF}: 19444142943.2/22$

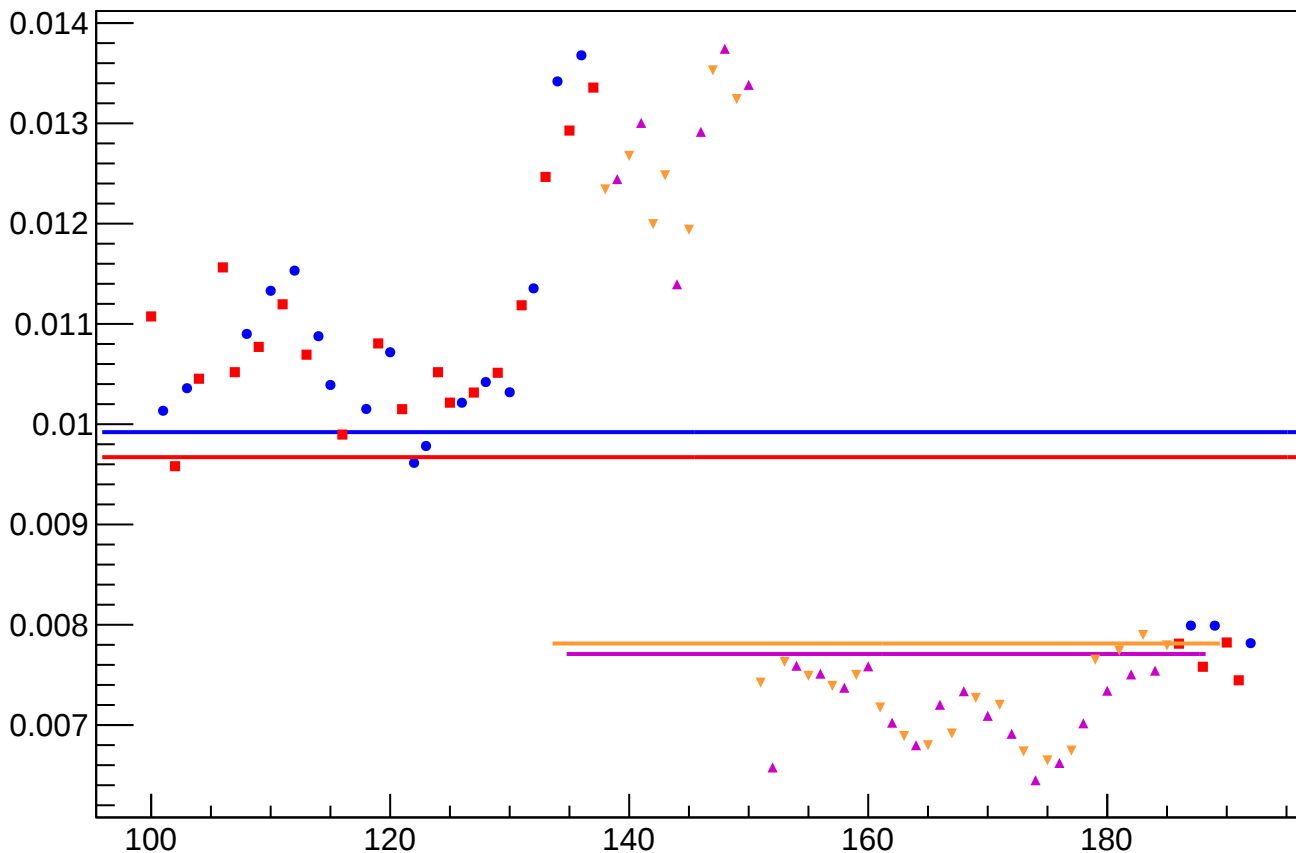
Left In: -0.790 ± 0.000 $\chi^2/\text{NDF}: 123452478408.2/22$

+ sign -0.731 ± 0.000 $\chi^2/\text{NDF}: 139095519532.7/44$

All: -0.729 ± 0.000 $\chi^2/\text{NDF}: 286406912708.7$

- sign -0.727 ± 0.000 $\chi^2/\text{NDF}: 147308279941.4/45$

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: 0.010 $\pm$ 0.000 χ^2 /NDF: 488160.4/22

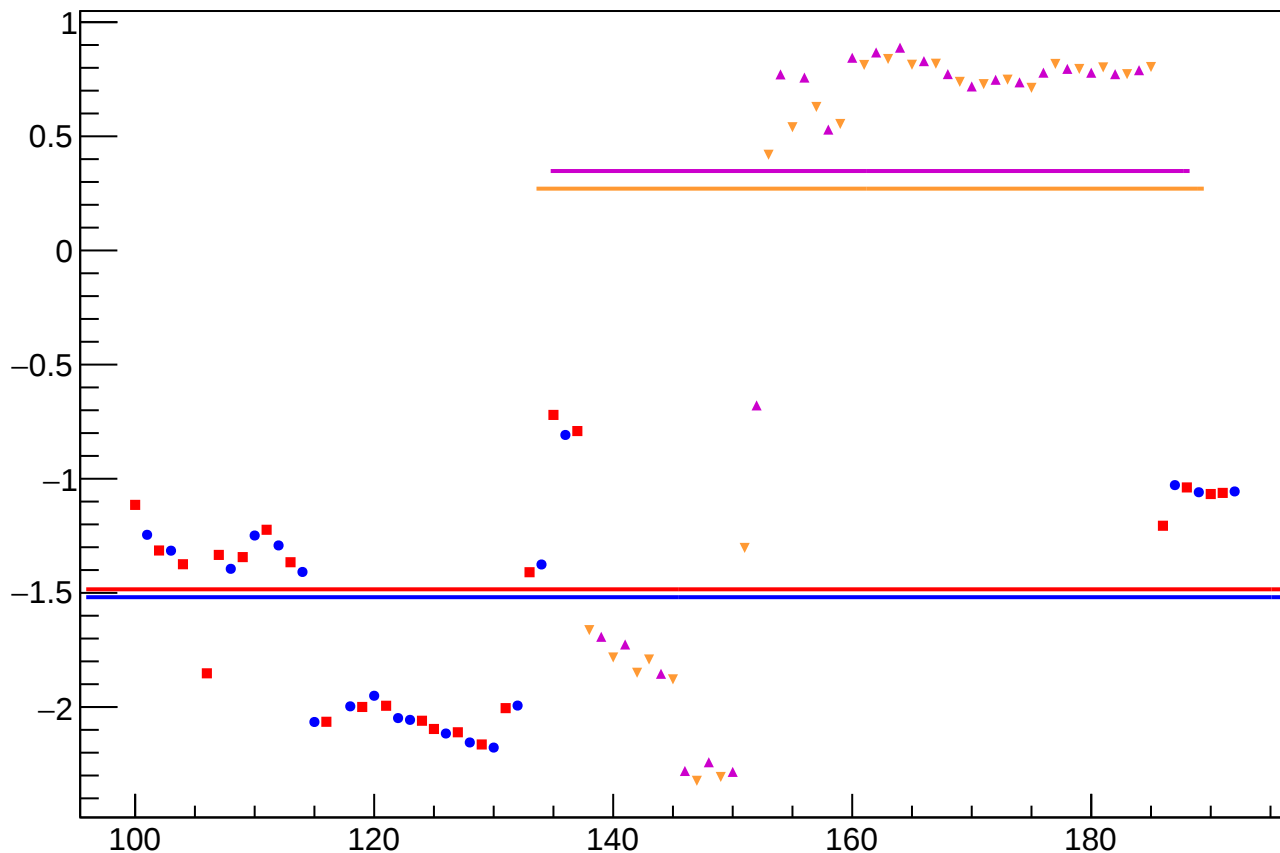
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1746653.6/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2674122.1/44

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5437497.2/90

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2761057.1/45

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: -1.484 ± 0.000 χ^2/NDF : 153249098944.2/22

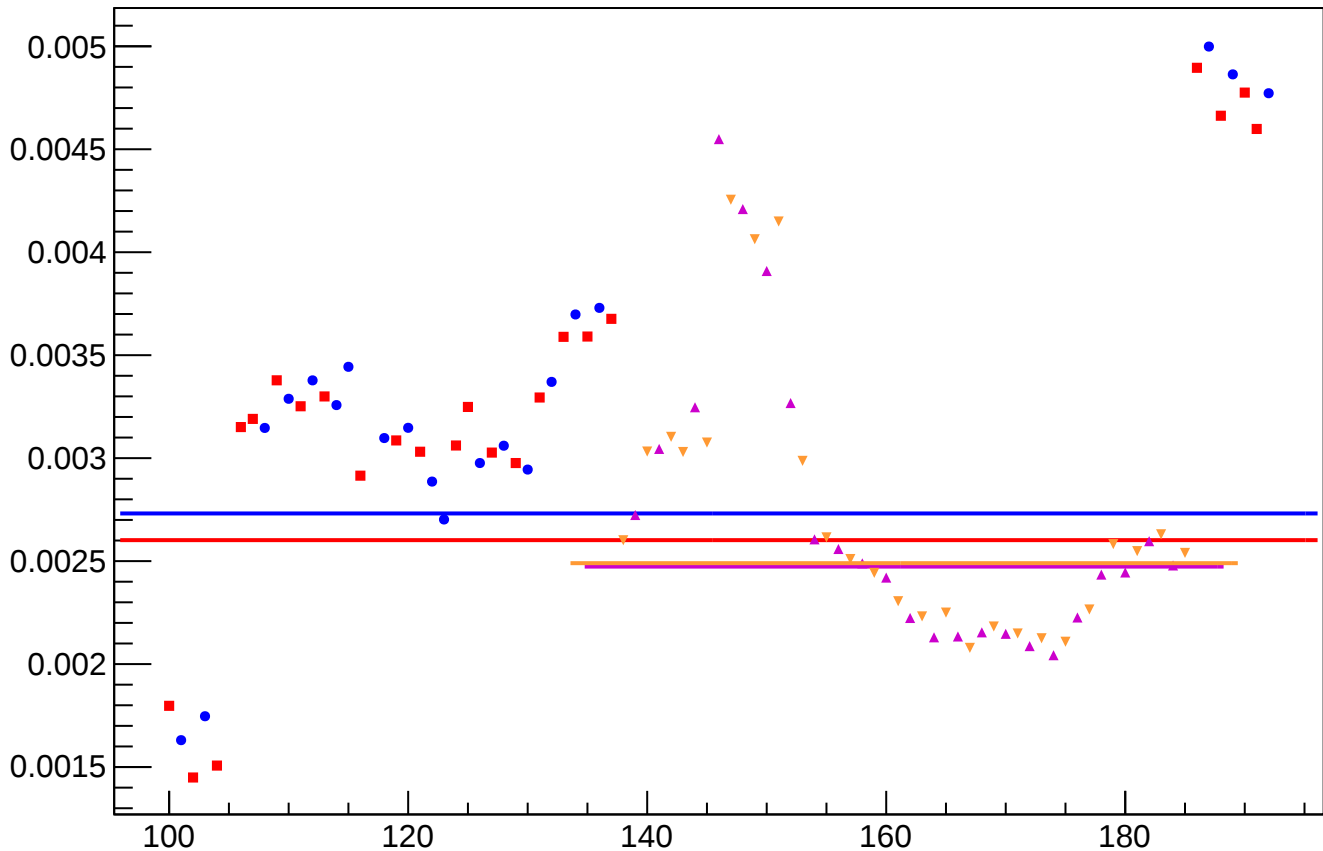
Left In: 0.348 ± 0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.192 ± 0.000 χ^2/NDF : 4921883277740.3/4

All: -0.194 ± 0.000 χ^2/NDF : 9822231356748

- sign -0.196 ± 0.000 χ^2/NDF : 4900319891453.4/4

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 : 2289177.8/22

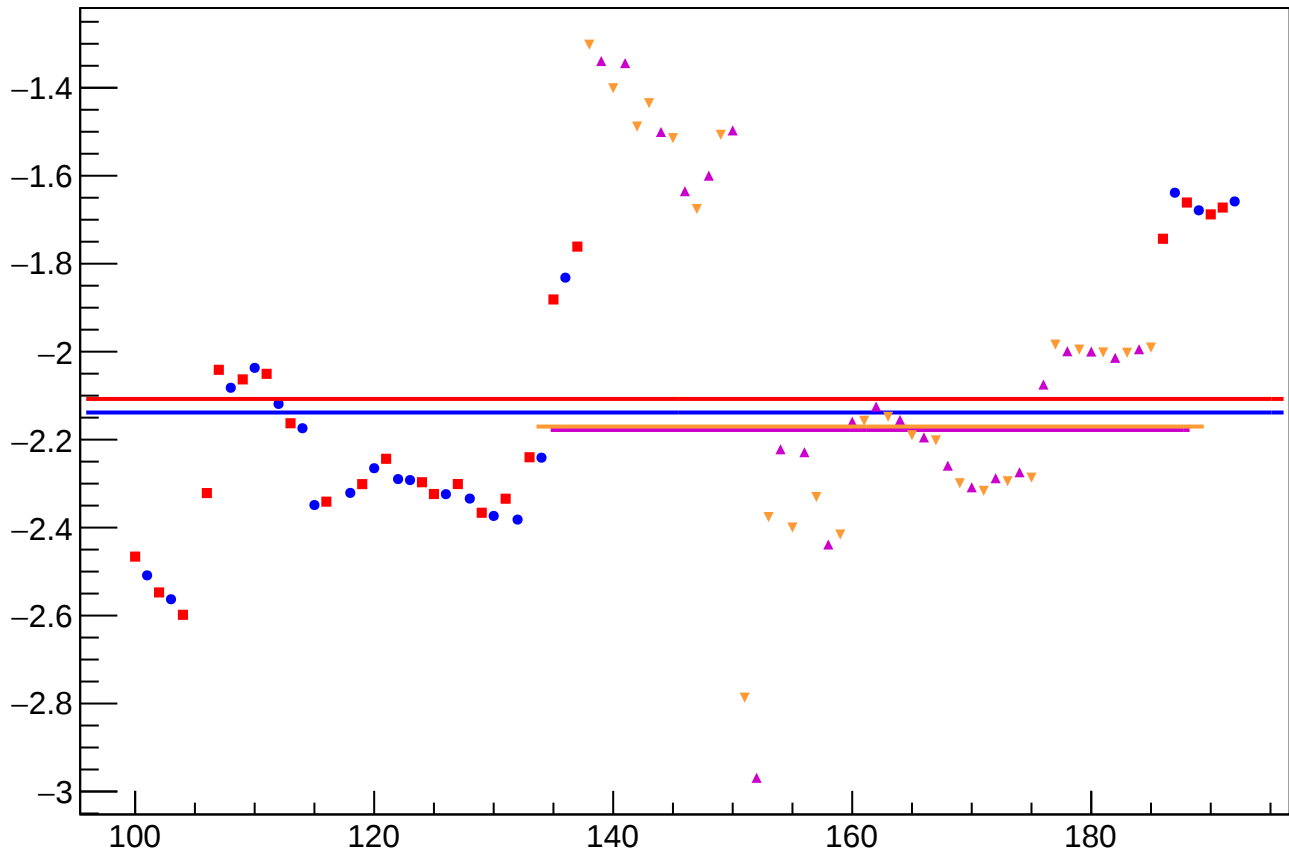
Left In: 0.002+/-0.000 χ^2/NDF :1135279.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 2763146.7/44

All: 0.003+/-0.000 χ^2/NDF : 6217816.1/90

- sign 0.003+/-0.000 χ^2/NDF : 3448760.4/45

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: -2.107+/-0.000 χ^2/NDF : 23506594289.8/22

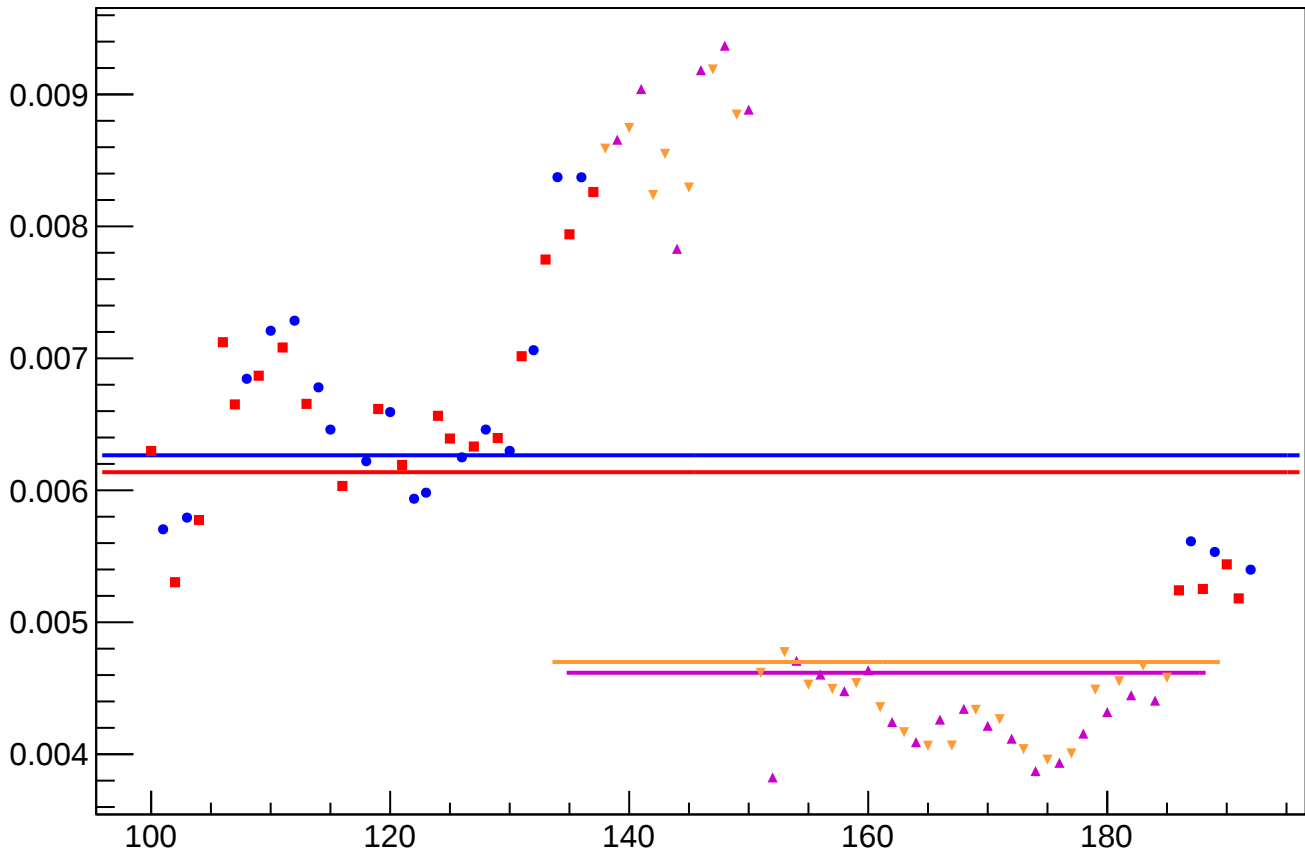
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.164+/-0.000 χ^2/NDF : 81033894389.0/44

All: -2.162+/-0.000 χ^2/NDF : 178806813320.2

- sign -2.161+/-0.000 χ^2/NDF : 97770667106.7/45

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 : 304885.5/22

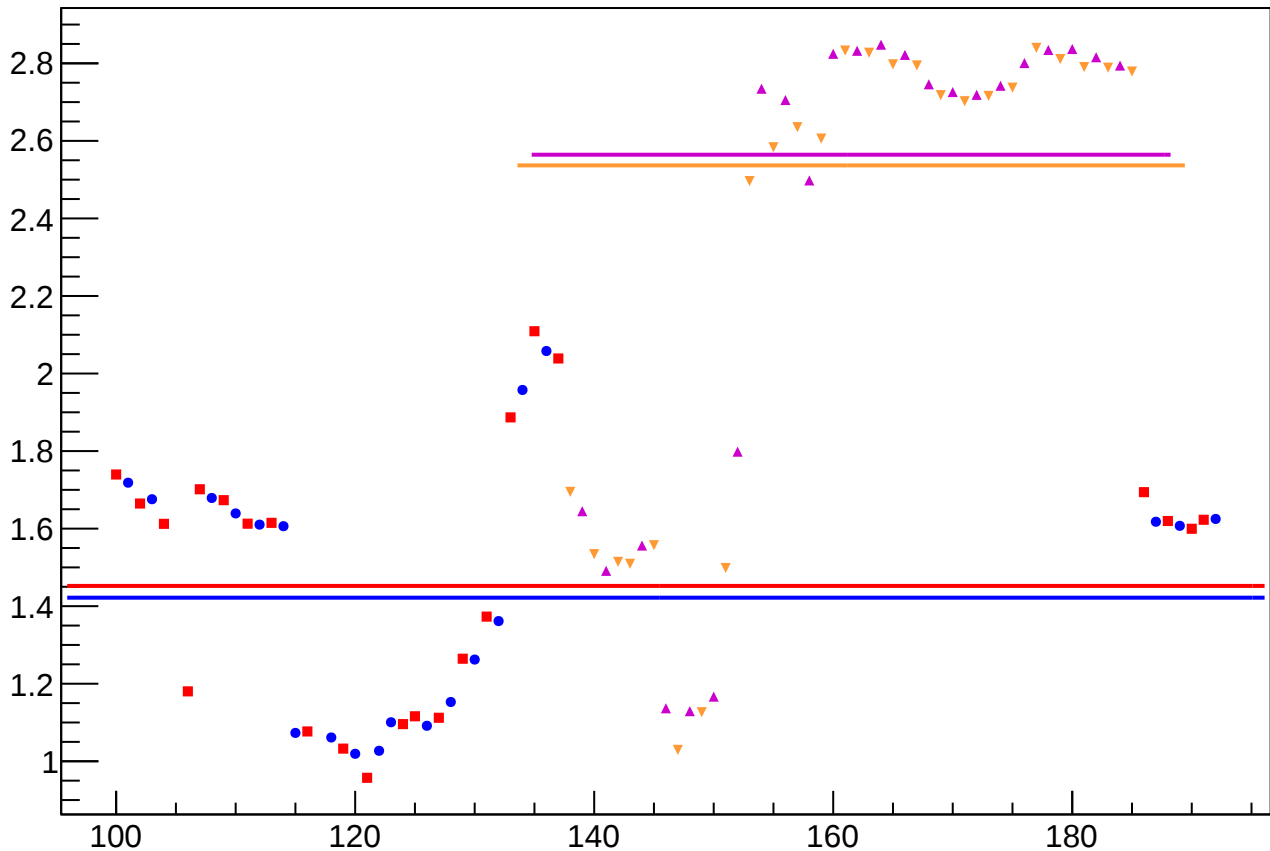
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3361683.9/44

All: 0.005+/-0.000 χ^2/NDF : 6836384.1/90

- sign 0.005+/-0.000 χ^2/NDF : 3472132.9/45

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: 1.452+/-0.000 χ^2/NDF : 175377272080.2/22

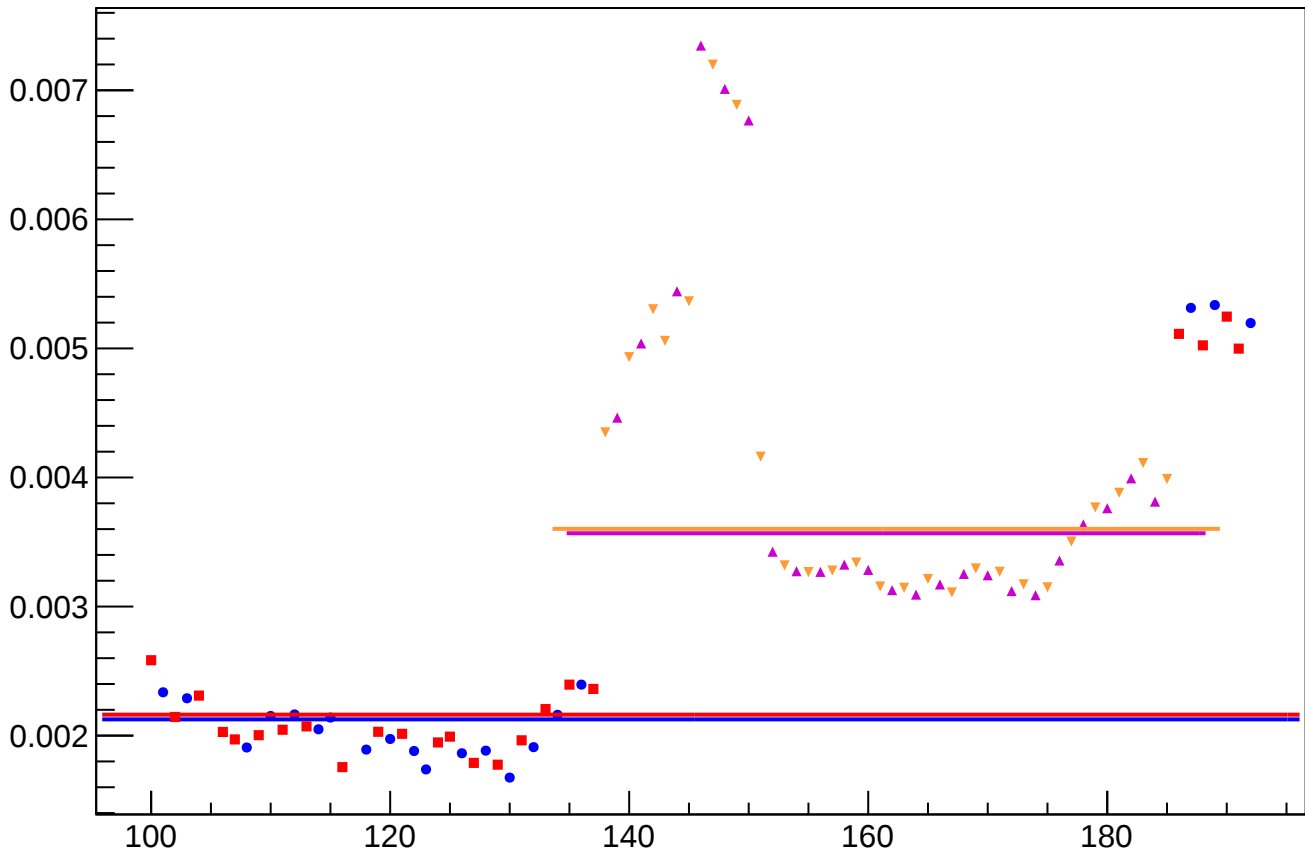
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.924+/-0.000 χ^2/NDF : 1323538020722.0/44

All: 1.926+/-0.000 χ^2/NDF : 2627873373137.

- sign 1.927+/-0.000 χ^2/NDF : 1304320133072.6/45

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 : 1389244.7/22

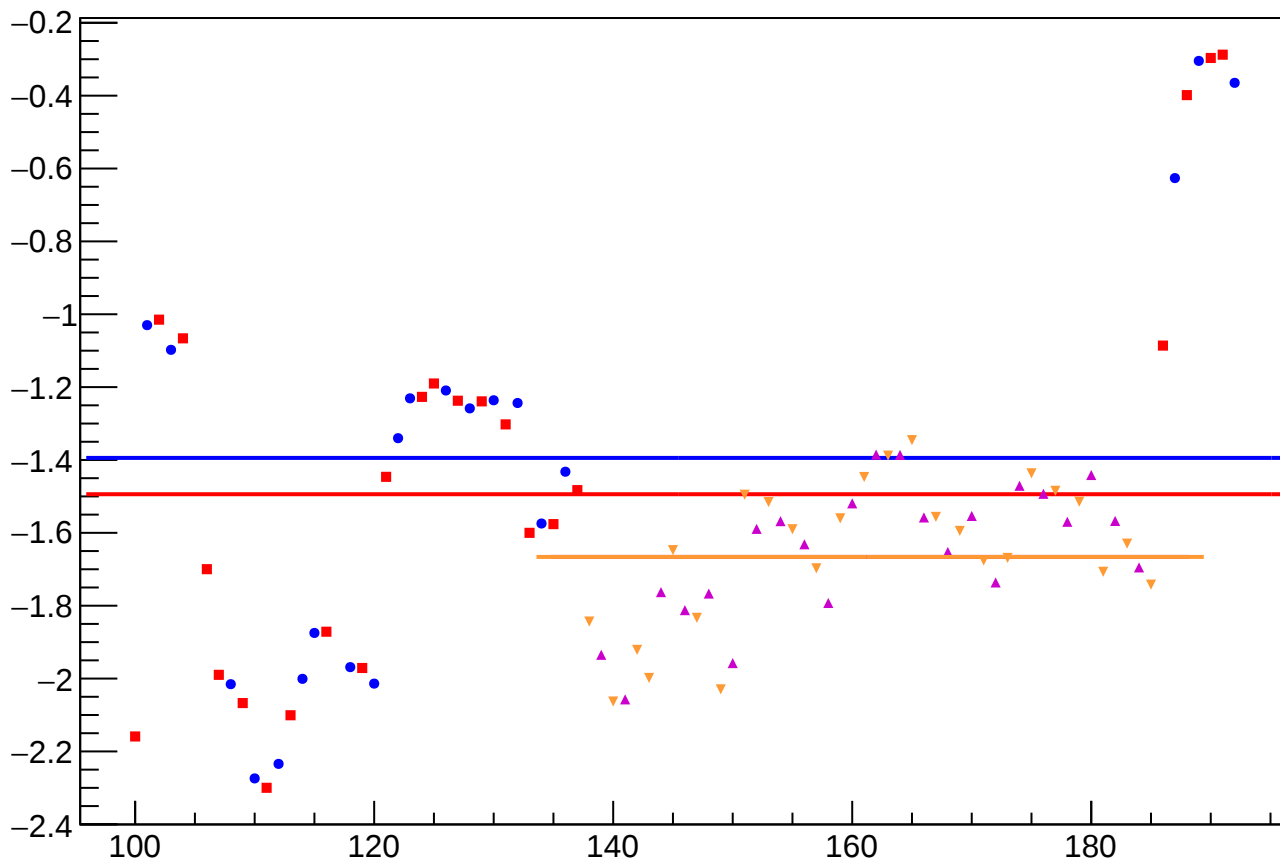
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 5758828.5/44

All: 0.003+/-0.000 χ^2/NDF : 11488822.2/90

- sign 0.003+/-0.000 χ^2/NDF : 5727740.4/45

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: -1.494+/-0.000 χ^2/NDF : 50288101542.2/22

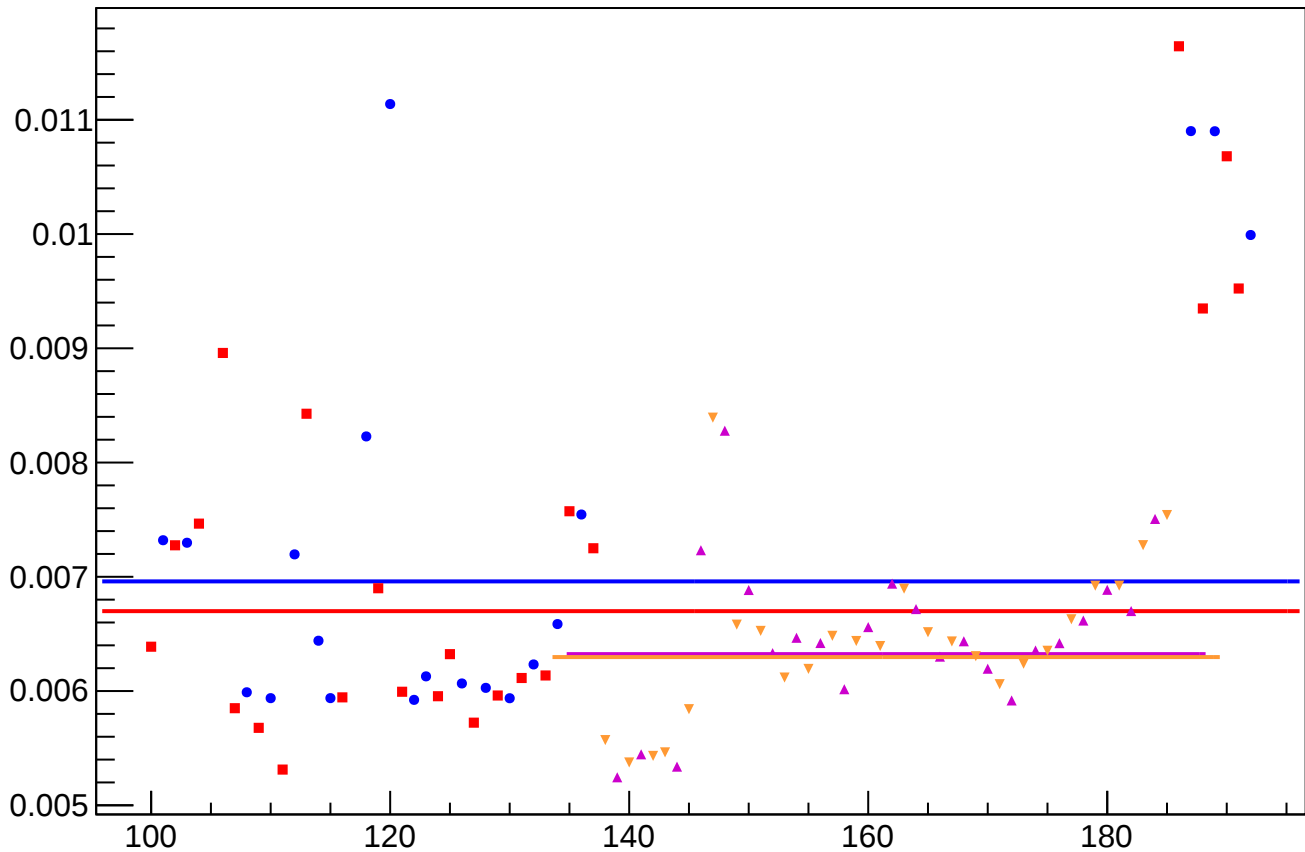
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.596+/-0.000 χ^2/NDF : 65167881077.2/44

All: -1.605+/-0.000 χ^2/NDF : 133556371477.6

- sign -1.613+/-0.000 χ^2/NDF : 68303523617.4/45

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 : 665901.9/22

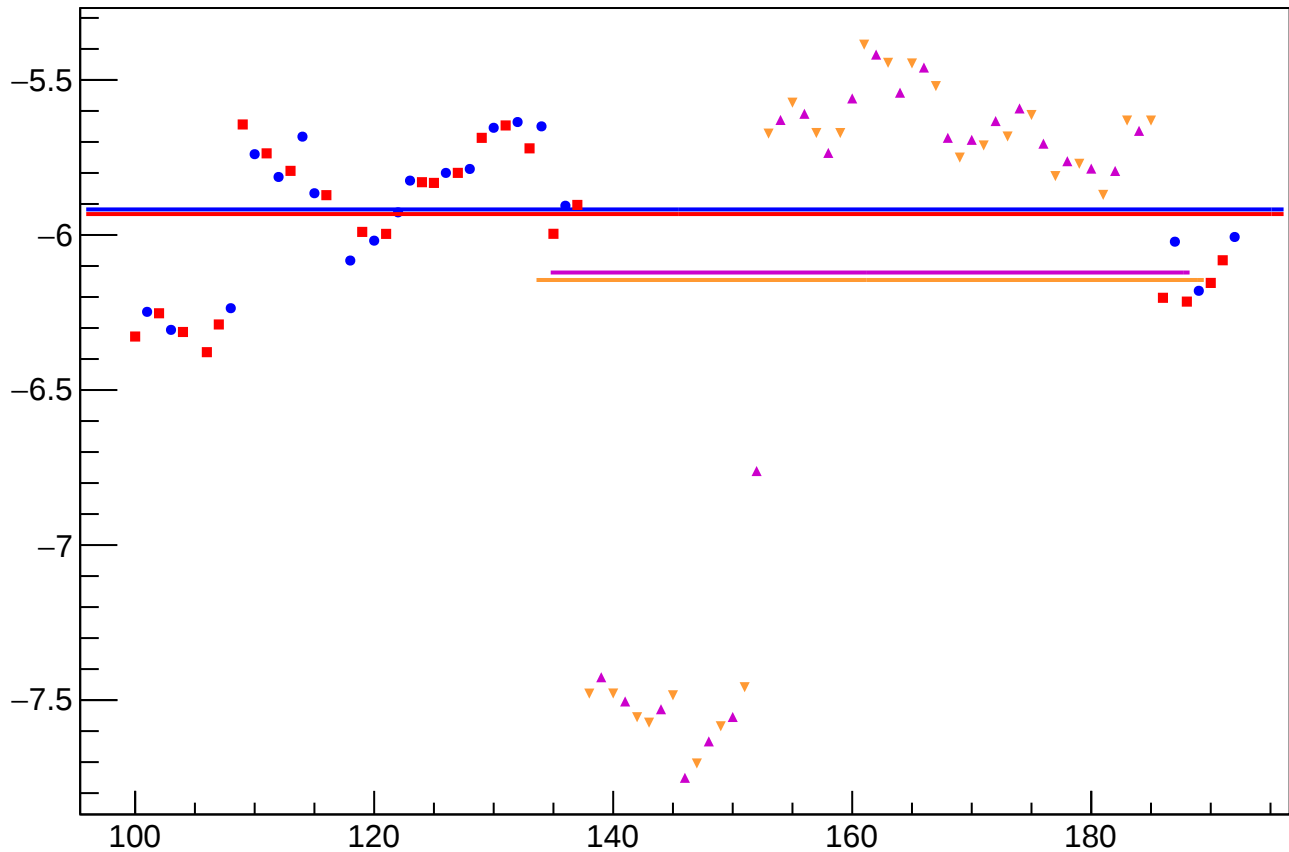
Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

+ sign 0.006+/-0.000 χ^2/NDF : 988113.6/44

All: 0.006+/-0.000 χ^2/NDF : 2020927.7/90

- sign 0.006+/-0.000 χ^2/NDF : 1032327.6/45

yield_bpm0l01Y_mean vs Slug



Right In: -5.918 ± 0.000 $\chi^2/\text{NDF}: 11395411220.6/19$

Left Out: -6.145 ± 0.000 $\chi^2/\text{NDF}: 185364150237.7/24$

Right Out: -5.933 ± 0.000 $\chi^2/\text{NDF}: 13605947036.7/22$

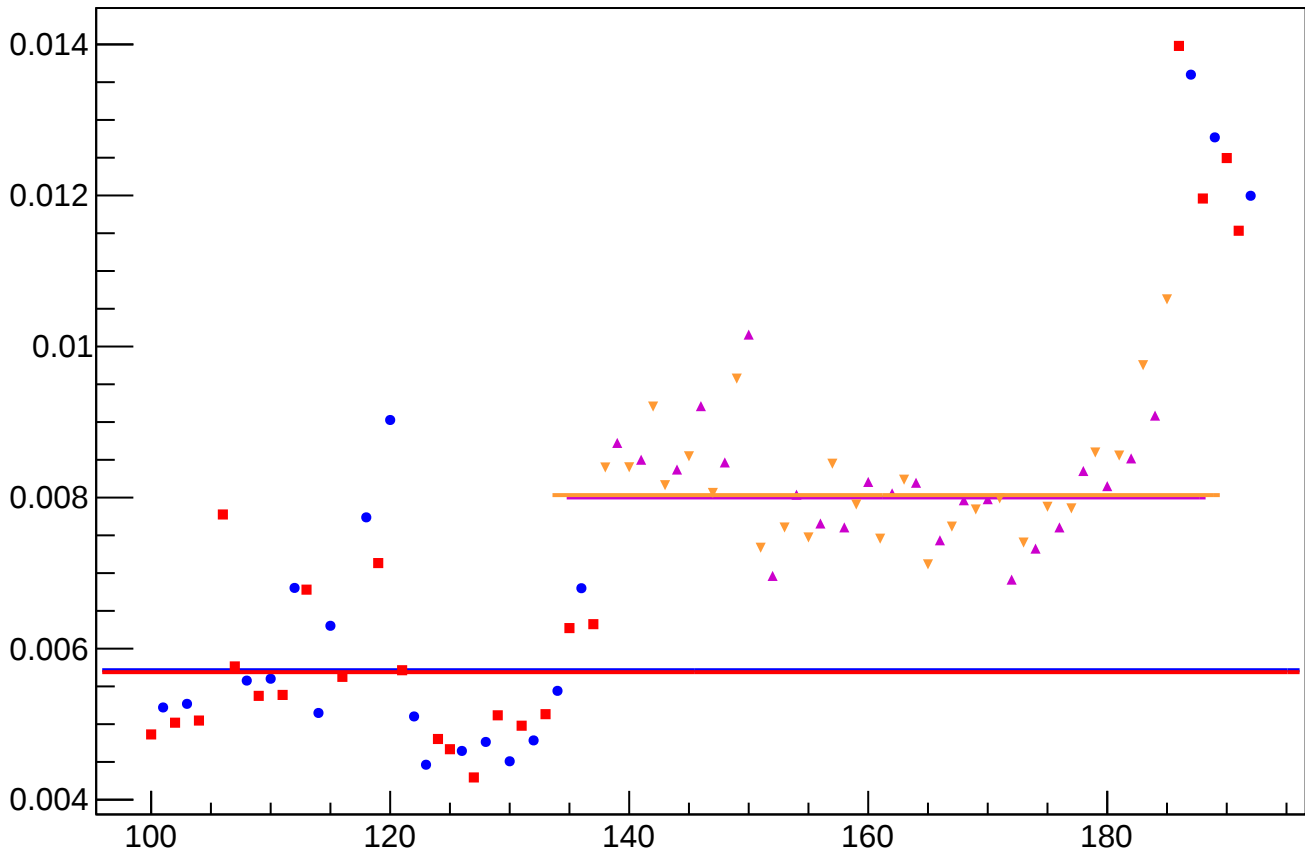
Left In: -6.121 ± 0.000 $\chi^2/\text{NDF}: 158315913062.3/22$

+ sign -6.042 ± 0.000 $\chi^2/\text{NDF}: 202769493650.7/44$

All: -6.036 ± 0.000 $\chi^2/\text{NDF}: 379003594845.6$

- sign -6.029 ± 0.000 $\chi^2/\text{NDF}: 176192457773.2/45$

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 : 1344788.7/22

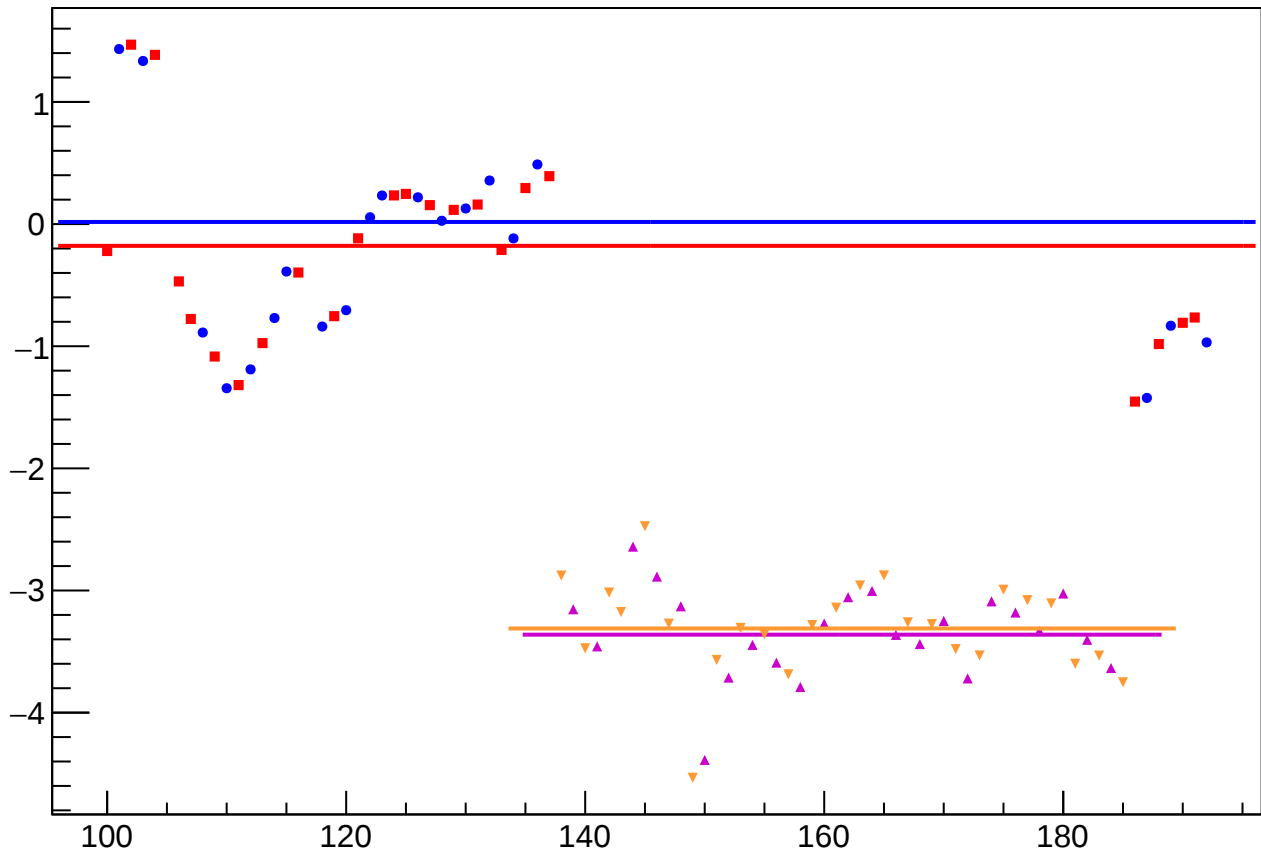
Left In: 0.008+/-0.000 χ^2/NDF : 220756.1/22

+ sign 0.007+/-0.000 χ^2/NDF : 2710589.8/44

All: 0.007+/-0.000 χ^2/NDF : 5567993.4/90

- sign 0.007+/-0.000 χ^2/NDF : 2851434.7/45

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: -0.178+/-0.000 χ^2/NDF : 25993118714.9/22

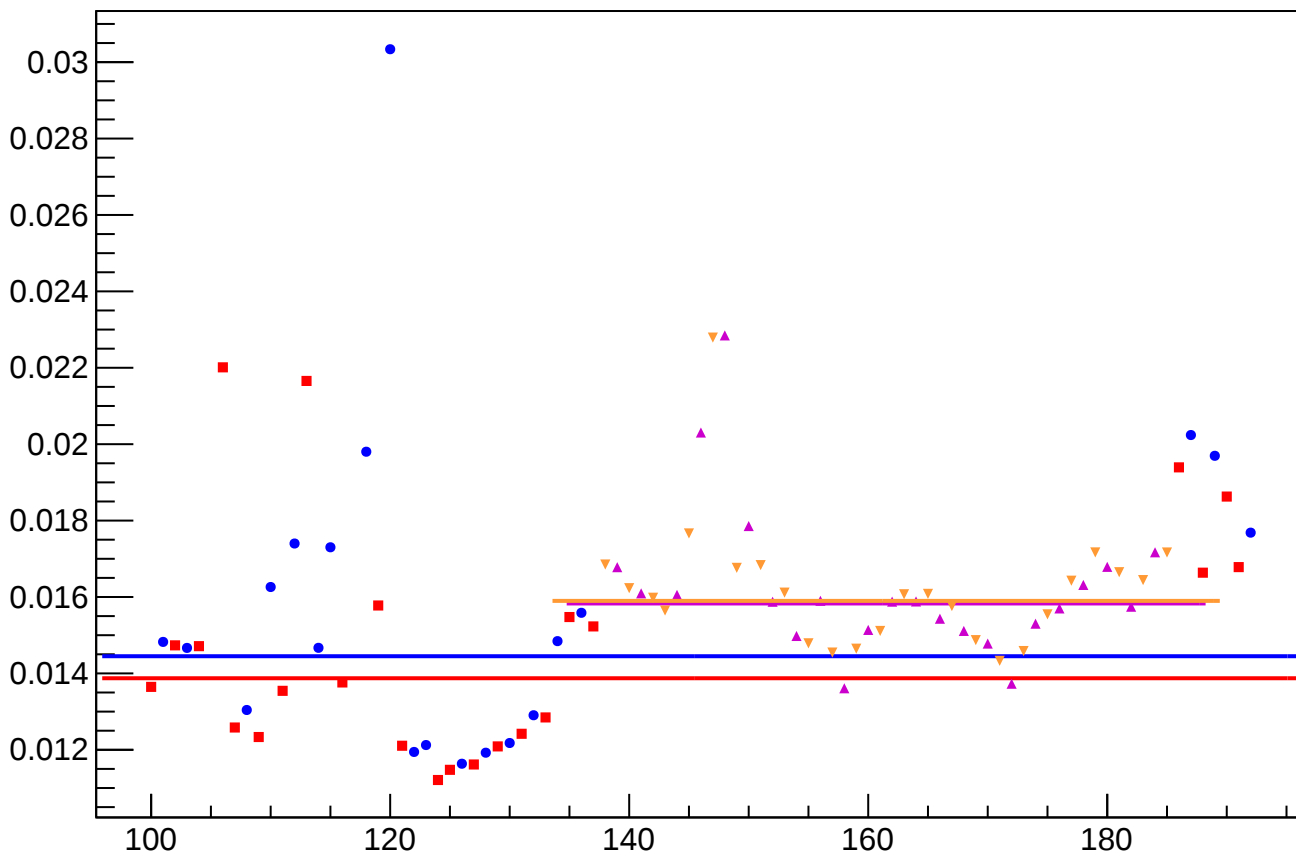
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.204+/-0.000 χ^2/NDF : 288868903324.7/44

All: -2.163+/-0.000 χ^2/NDF : 584649293368.6

- sign -2.123+/-0.000 χ^2/NDF : 295433692036.4/45

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 : 477860.6/22

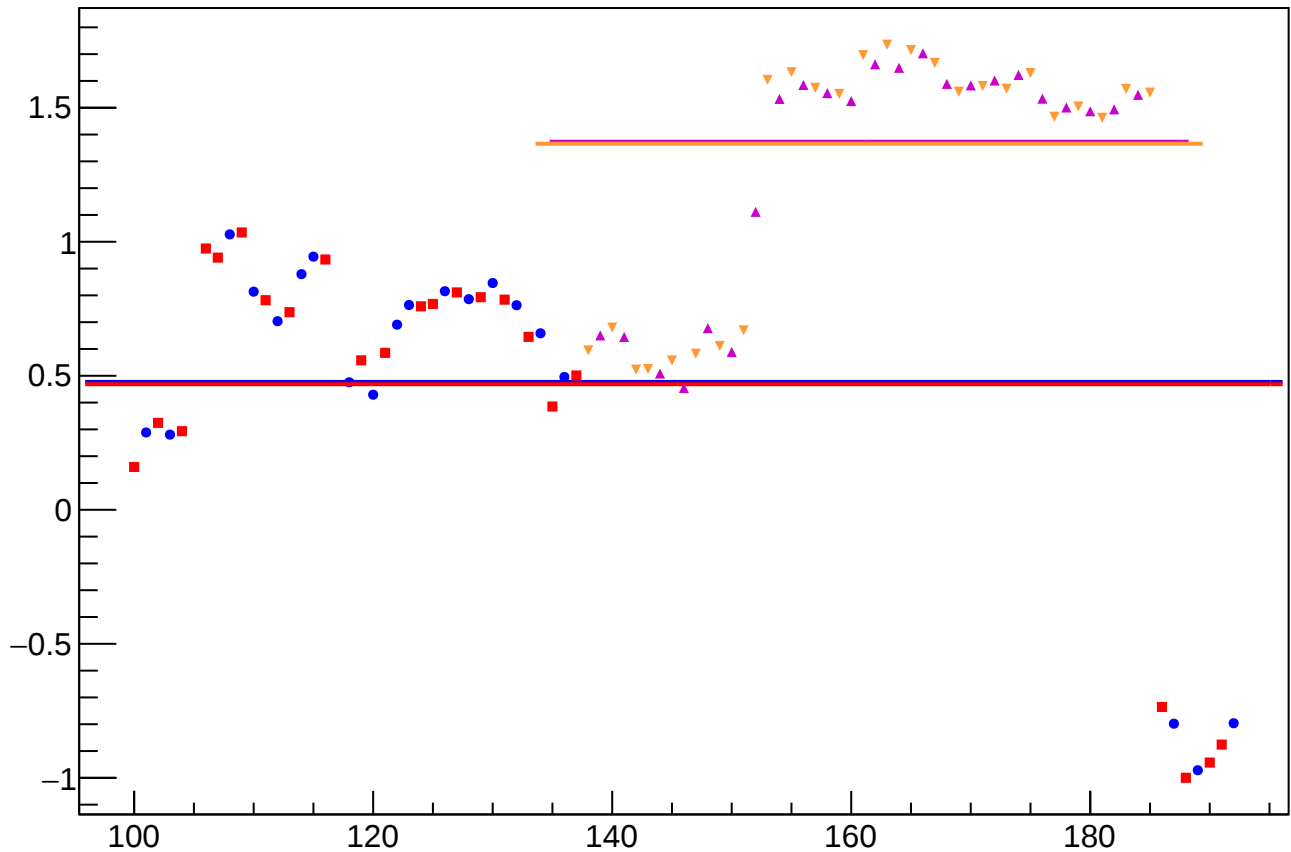
Left In: 0.016+/-0.000 χ^2/NDF : 339542.1/22

+ sign 0.015+/-0.000 χ^2/NDF : 914696.6/44

All: 0.015+/-0.000 χ^2/NDF : 1942520.1/90

- sign 0.015+/-0.000 χ^2/NDF : 1014960.4/45

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: 0.469 $\pm$ 0.000 χ^2 /NDF: 33118883539.9/22

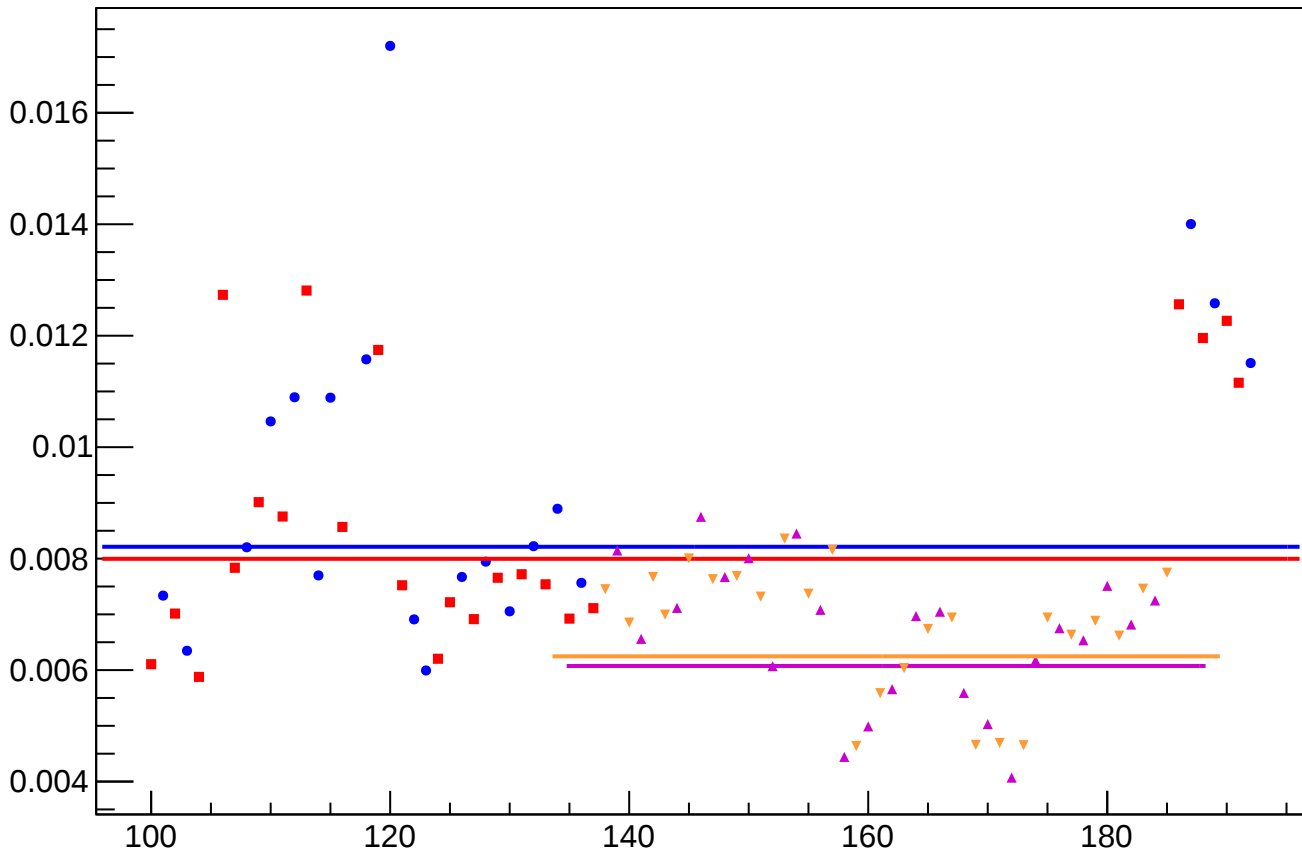
Left In: 1.373 $\pm$ 0.000 χ^2 /NDF: 63413151416.3/22

+ sign 1.190 $\pm$ 0.000 χ^2 /NDF: 166350710252.8/44

All: 1.181 $\pm$ 0.000 χ^2 /NDF: 340121520959.8

- sign 1.174 $\pm$ 0.000 χ^2 /NDF: 173700438488.7/45

yield_bpm0l02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 796526.6/19

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 886103.8/22

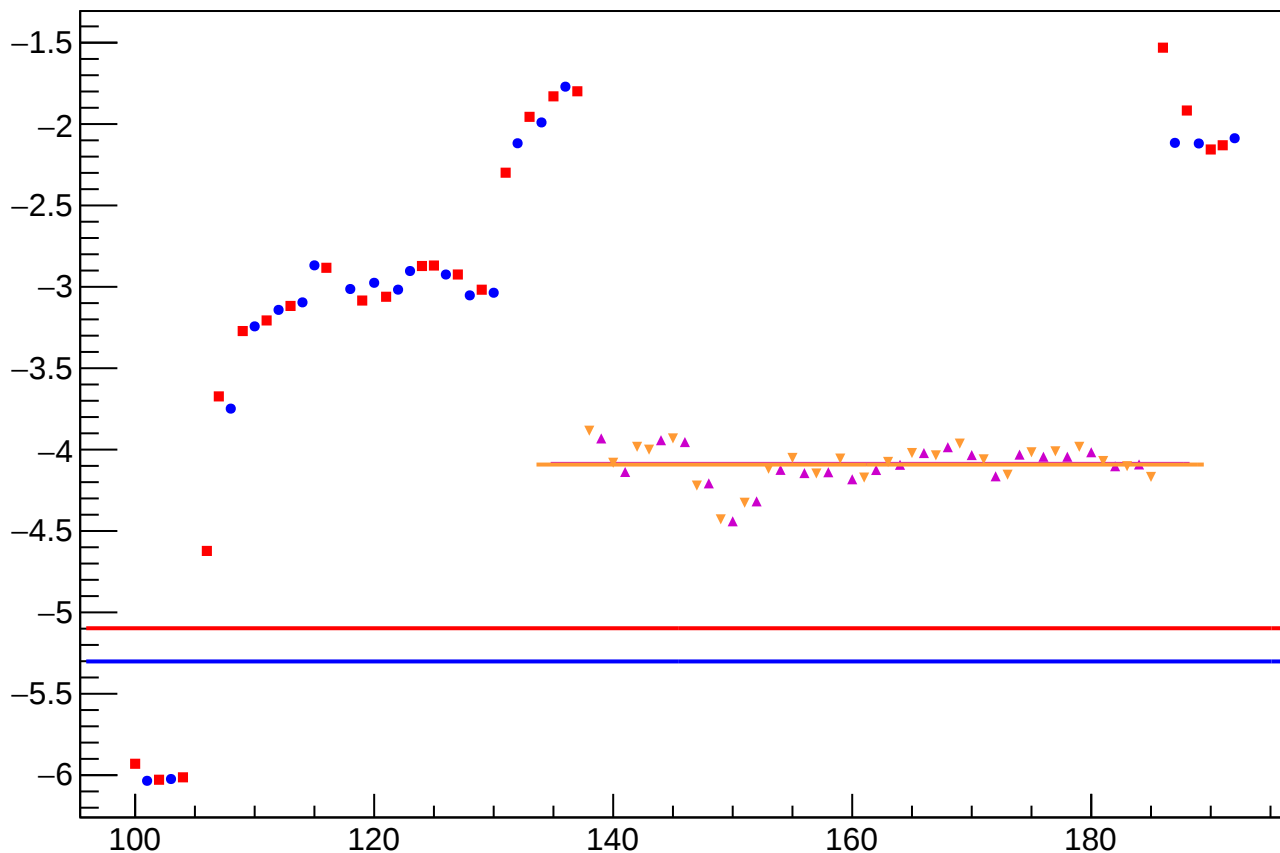
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2778835.2/44

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 5804279.8/90

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 3015207.2/45

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: -5.097+/-0.000 χ^2/NDF : 140364070520.5/22

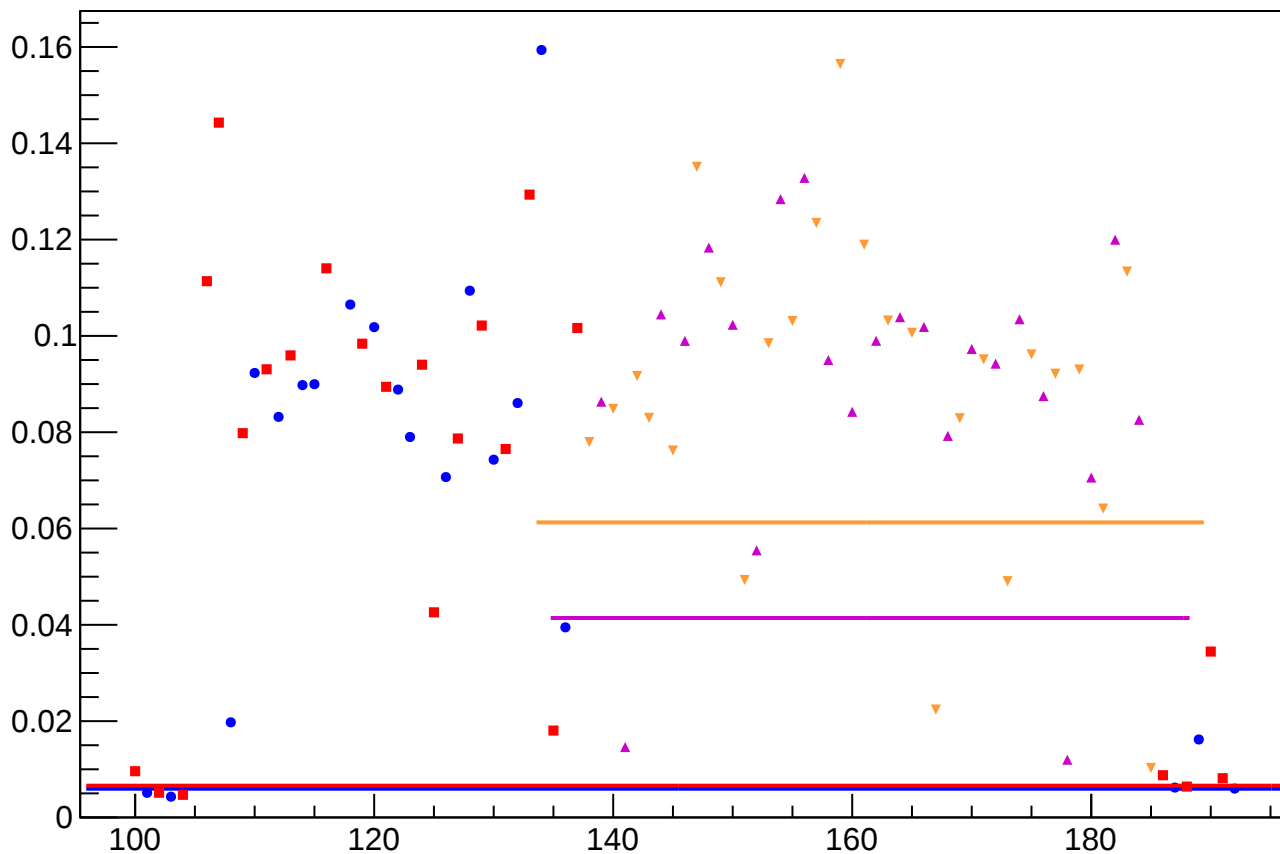
Left In: -4.088+/-0.000 χ^2/NDF : 34412880.7/22

+ sign -5.242+/-0.000 χ^2/NDF : 135244825550.1/44

All: -5.136+/-0.000 χ^2/NDF : 281070474397.7

- sign -5.015+/-0.000 χ^2/NDF : 144390772253.2/45

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: 8669237.5/22

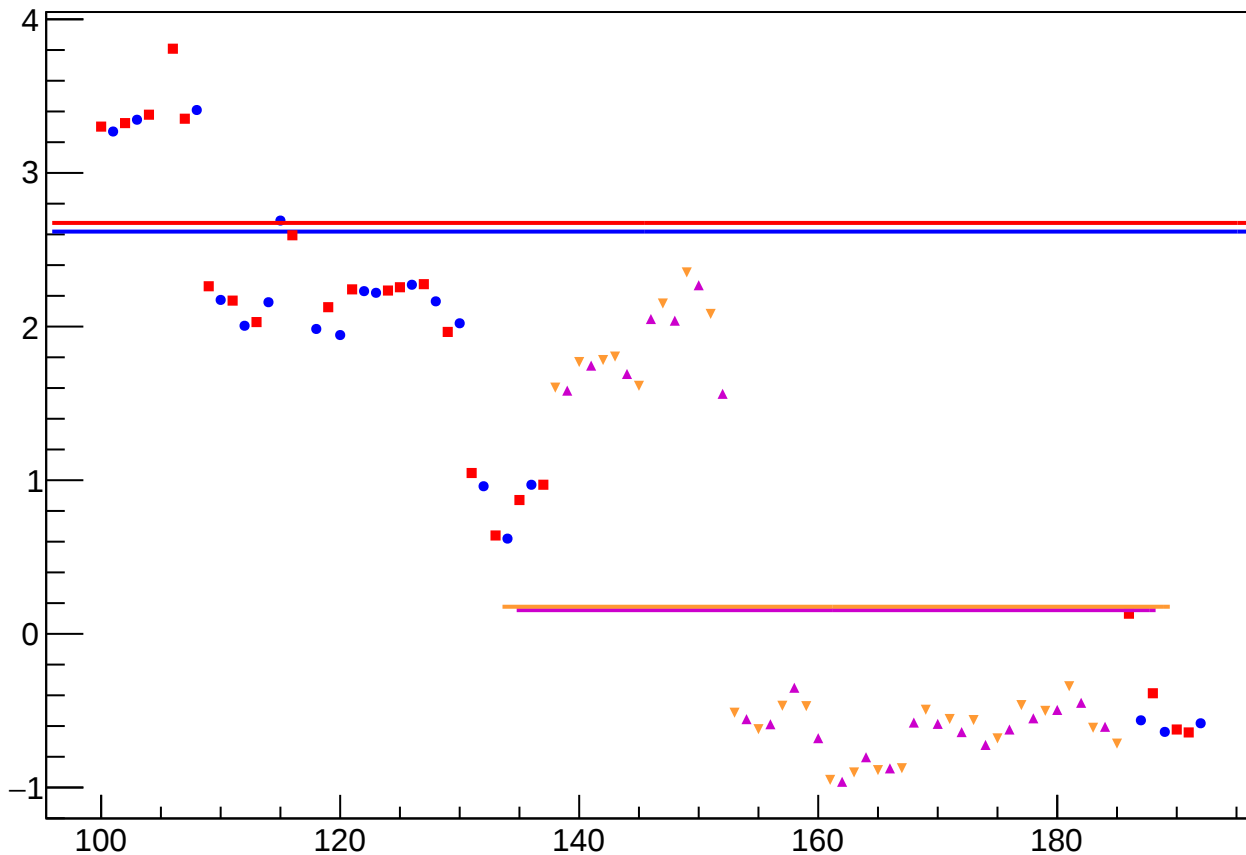
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 33515598.9/44

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 64838698.3/90

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 31291995.1/45

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: 2.675 $\pm$ 0.000 χ^2 /NDF: 62661301476.7/22

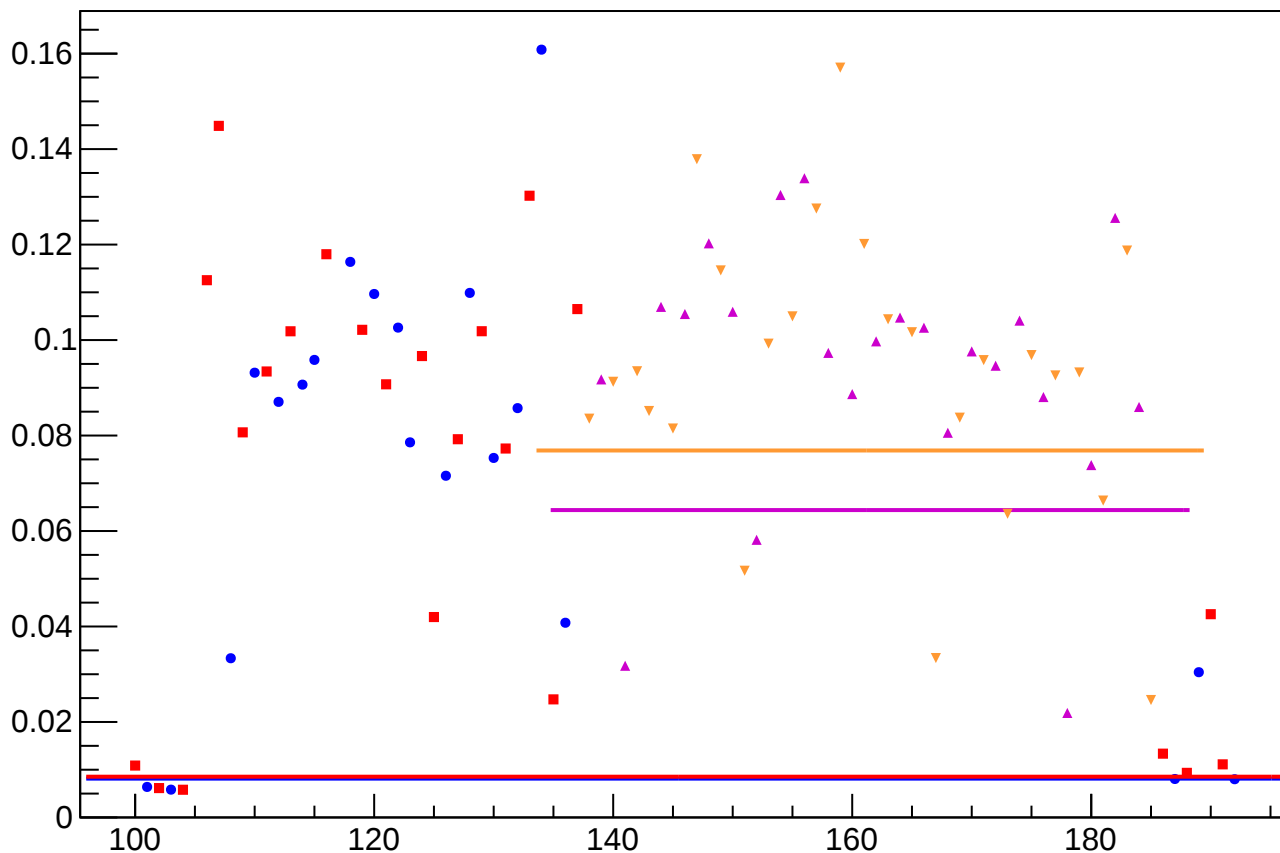
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF: 3163553595.0/22

+ sign 2.468 $\pm$ 0.000 χ^2 /NDF: 89743980317.1/44

All: 2.477 $\pm$ 0.000 χ^2 /NDF: 170732318780.5

- sign 2.486 $\pm$ 0.000 χ^2 /NDF: 80982453115.7/45

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: 0.009 $\pm$ 0.000 χ^2 /NDF: 8556397.9/22

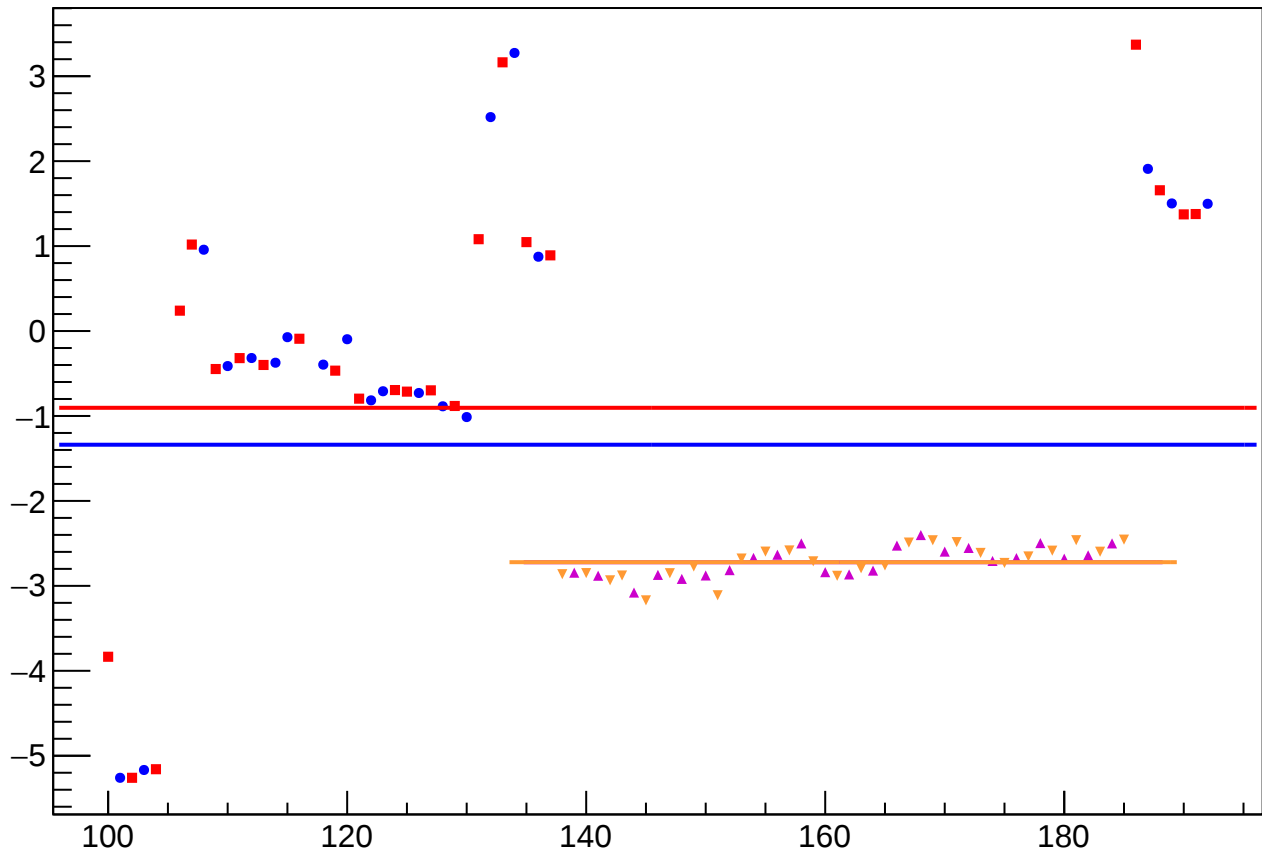
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32209697.3/44

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 62647693.0/90

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 30433751.4/45

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: -0.904+/-0.000 χ^2/NDF : 212321145924.4/22

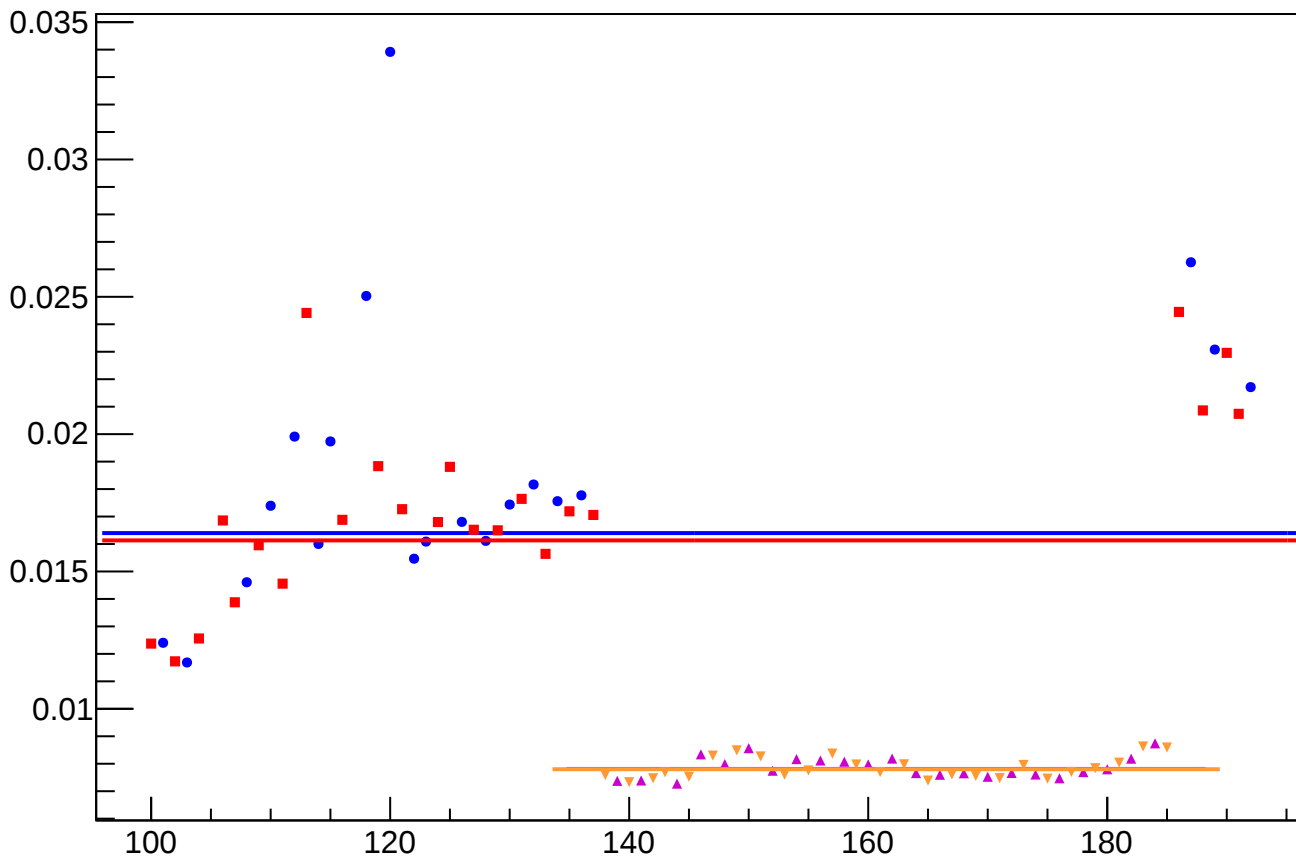
Left In: -2.722+/-0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.608+/-0.000 χ^2/NDF : 249163621506.6/44

All: -2.576+/-0.000 χ^2/NDF : 559971121475.2

- sign -2.542+/-0.000 χ^2/NDF : 310118045534.3/45

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 824326.2/19

Left Out: 0.008+/-0.000 χ^2/NDF : 71164.4/24

Right Out: 0.016+/-0.000 χ^2/NDF : 635123.9/22

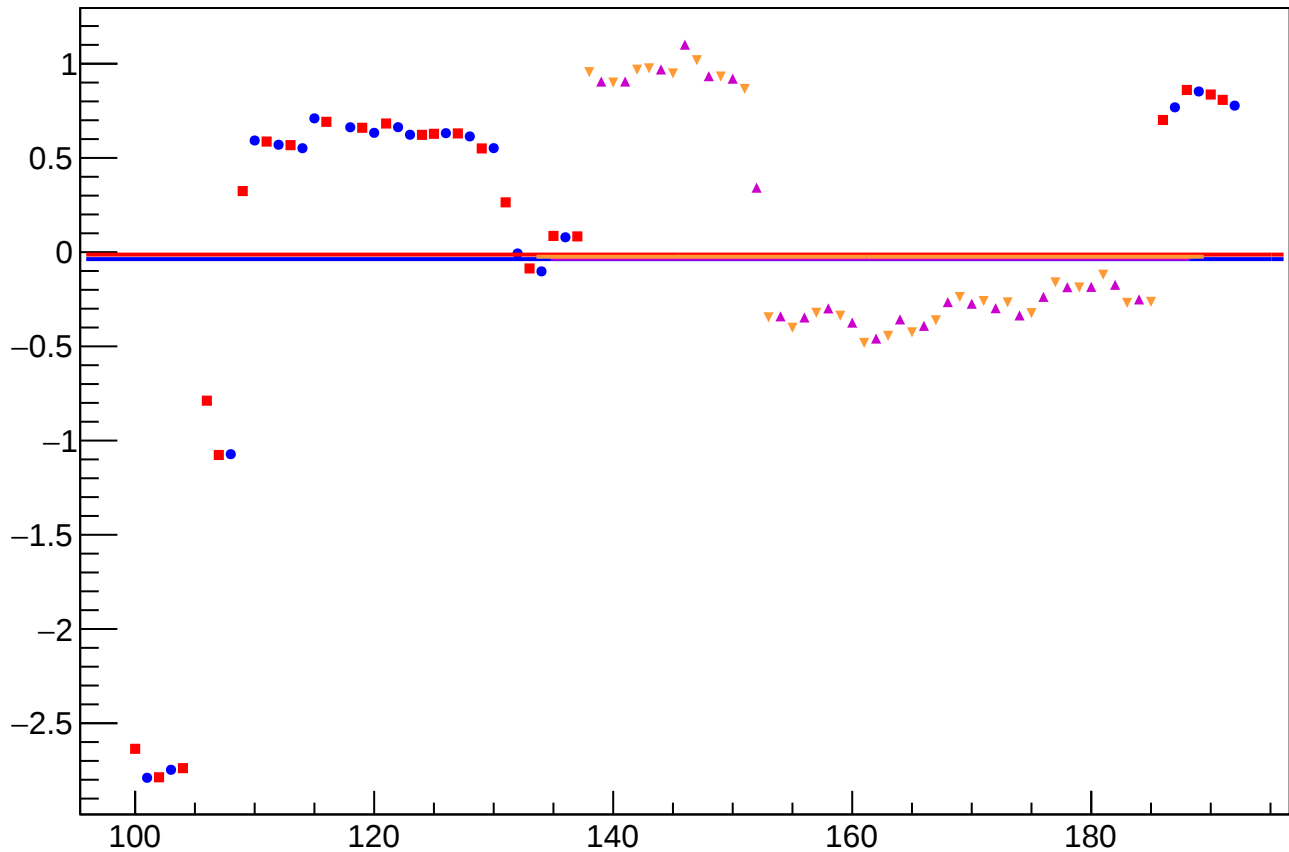
Left In: 0.008+/-0.000 χ^2/NDF : 67610.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 4403058.7/44

All: 0.009+/-0.000 χ^2/NDF : 8866856.5/90

- sign 0.009+/-0.000 χ^2/NDF : 4458261.0/45

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: -0.013+/-0.000 χ^2 /NDF: 821385882100.2/22

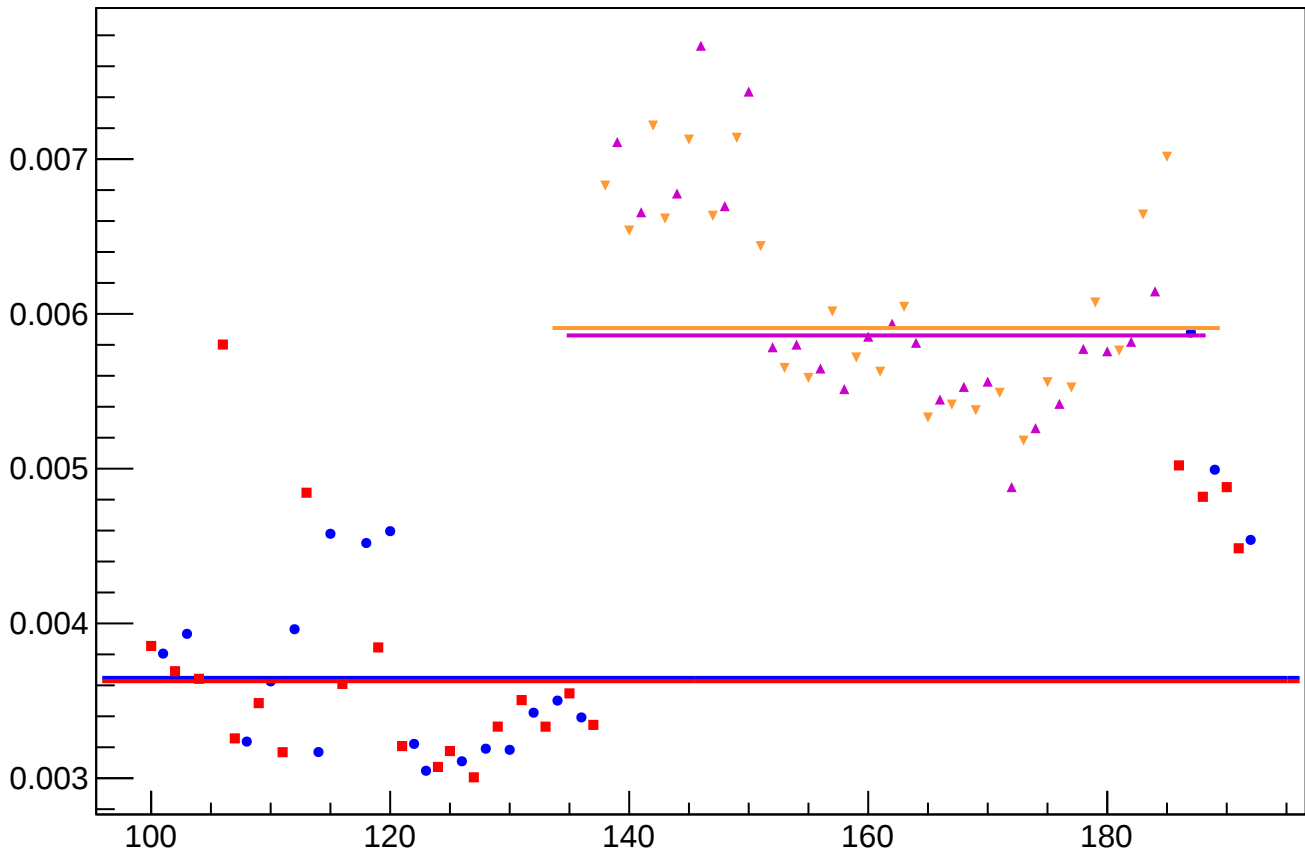
Left In: -0.034+/-0.000 χ^2 /NDF:113929060918.1/22

+ sign -0.031+/-0.000 χ^2 /NDF: 899754366367.8/44

All: -0.026+/-0.000 χ^2 /NDF: 1835236891522

- sign -0.022+/-0.000 χ^2 /NDF: 935437571302.8/45

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 363048.2/19

Left Out: 0.006+/-0.000 χ^2/NDF :314309.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 465392.1/22

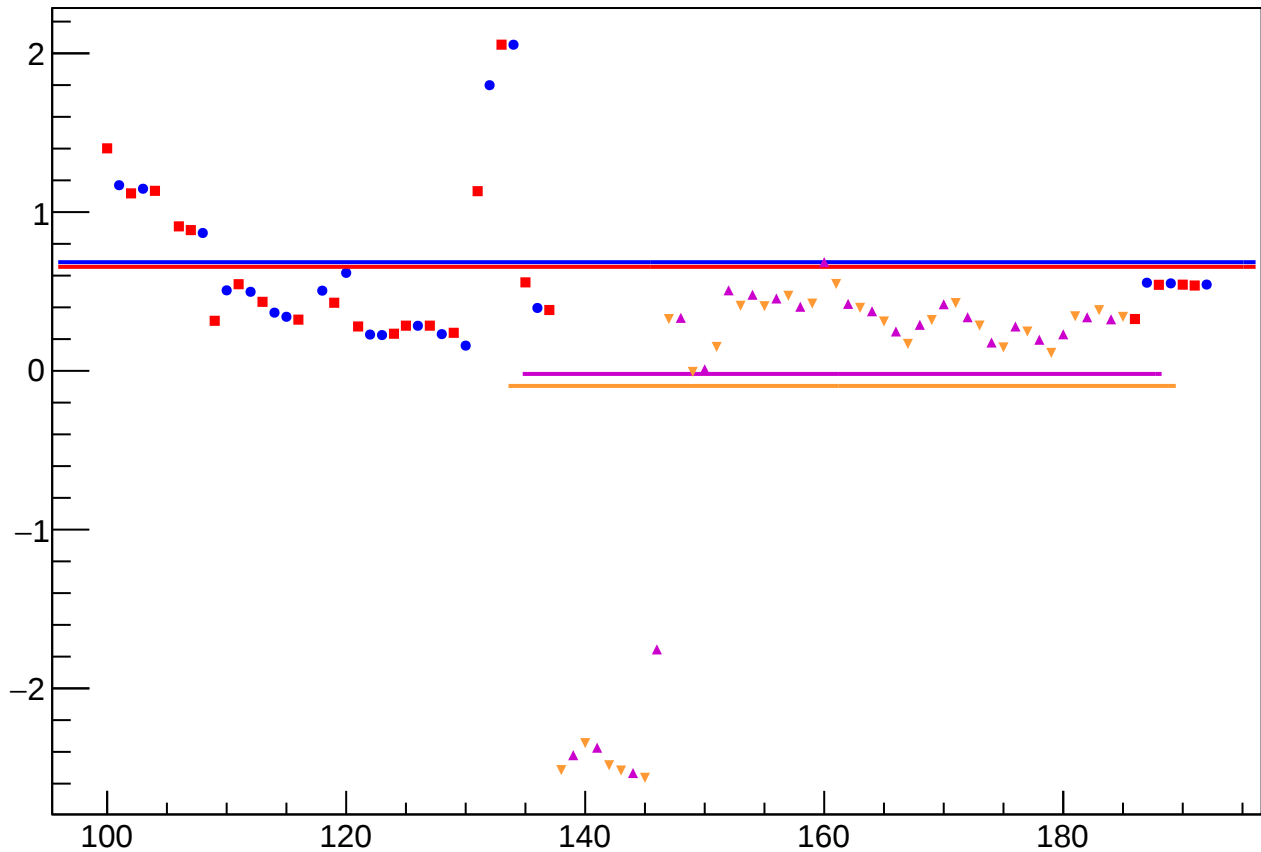
Left In: 0.006+/-0.000 χ^2/NDF :364512.1/22

+ sign 0.005+/-0.000 χ^2/NDF : 3358170.9/44

All: 0.005+/-0.000 χ^2/NDF : 6882401.2/90

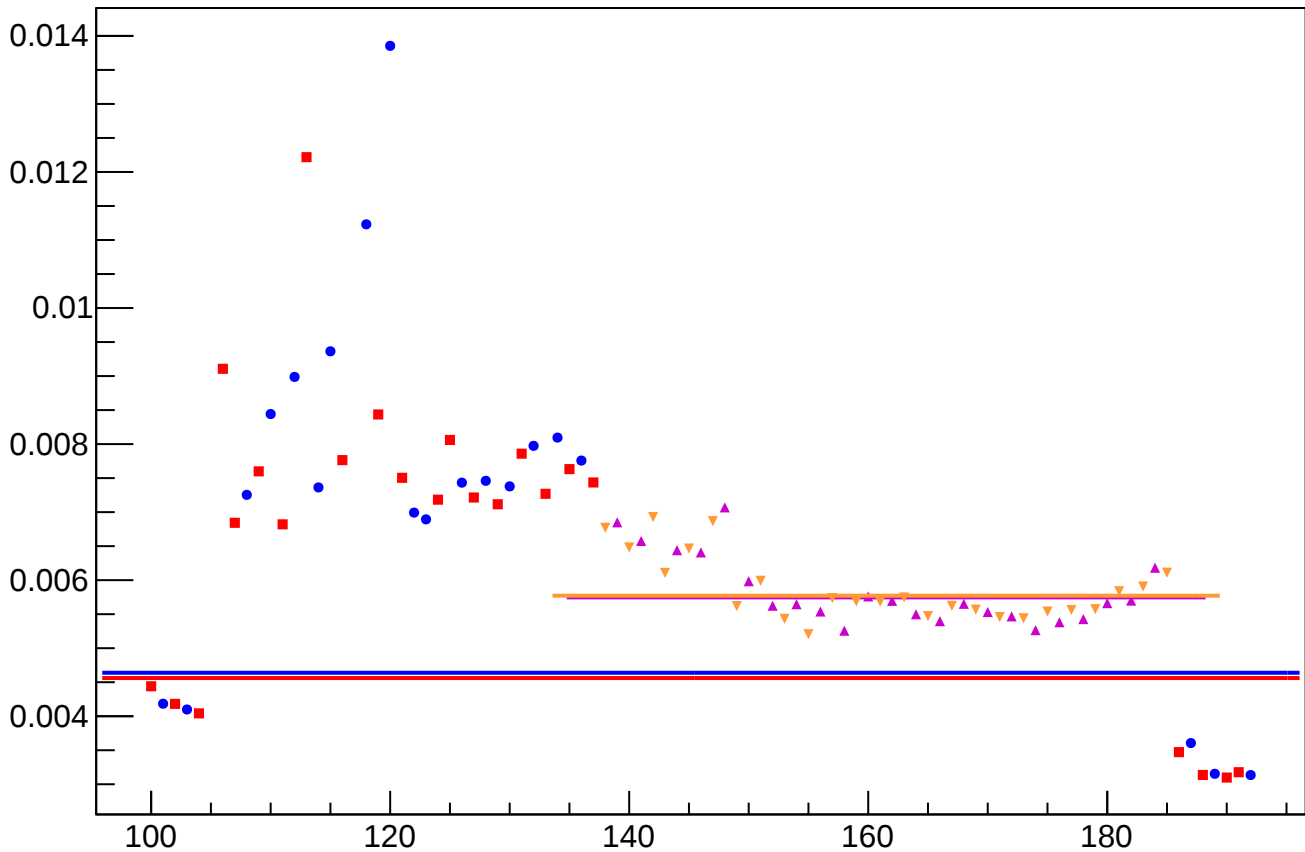
- sign 0.005+/-0.000 χ^2/NDF : 3511537.5/45

yield_bpm0l05X_mean vs Slug



Right In: 0.685 $\pm$ 0.000	χ^2 /NDF: 37337248713.5/19	+ sign 0.183 $\pm$ 0.000	χ^2 /NDF: 654465241997.2/44
Left Out: -0.095 $\pm$ 0.000	χ^2 /NDF: 505606573631.9/24	All: 0.218 $\pm$ 0.000	χ^2 /NDF: 1206885816169.
Right Out: 0.655 $\pm$ 0.000	χ^2 /NDF: 43256805984.6/22	- sign 0.251 $\pm$ 0.000	χ^2 /NDF: 550497174647.9/45
Left In: -0.019 $\pm$ 0.000	χ^2 /NDF: 417104863944.5/22		

yield_bpm0l05X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 2507954.6/19

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:177680.7/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 2492452.0/22

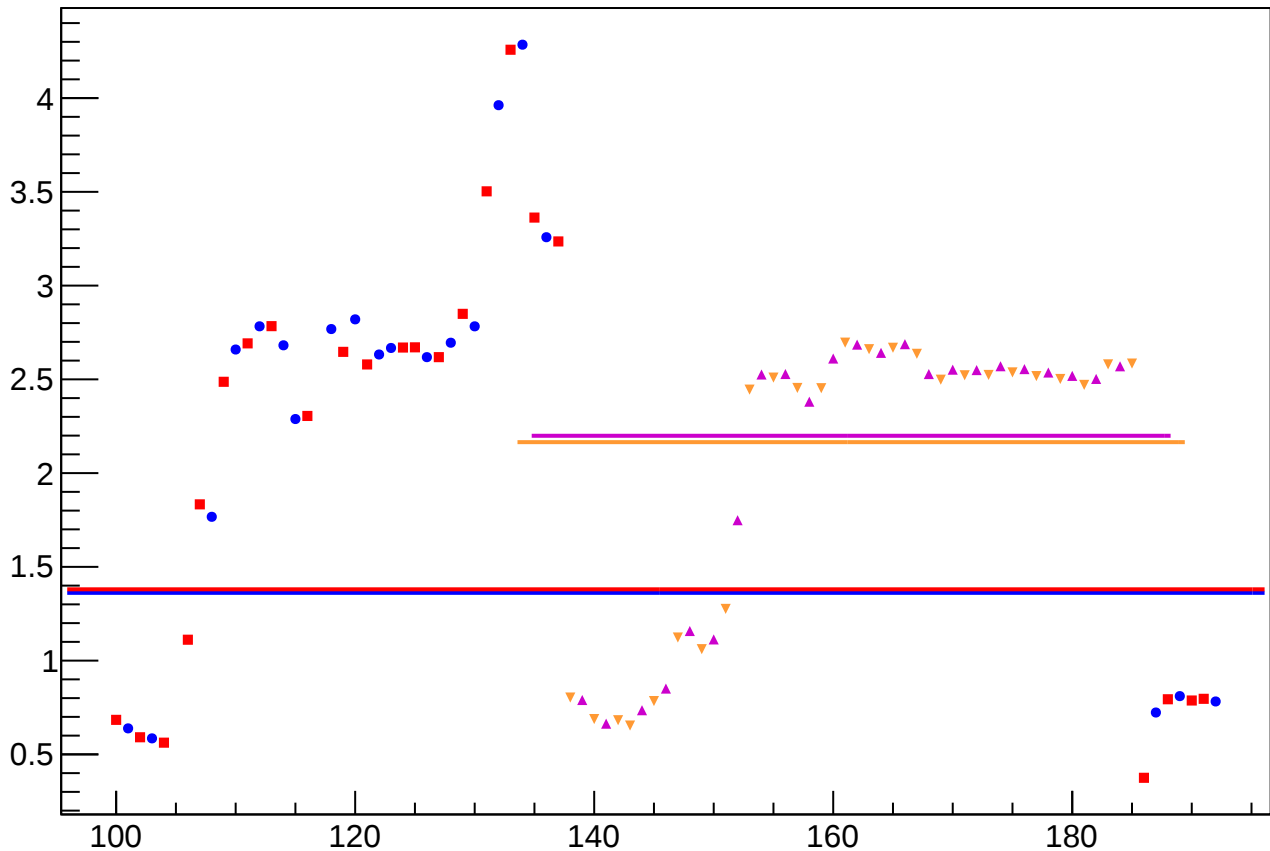
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3156768.0/44

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 6417468.9/90

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3252925.6/45

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: 1.380+/-0.000 χ^2/NDF : 276632116836.4/22

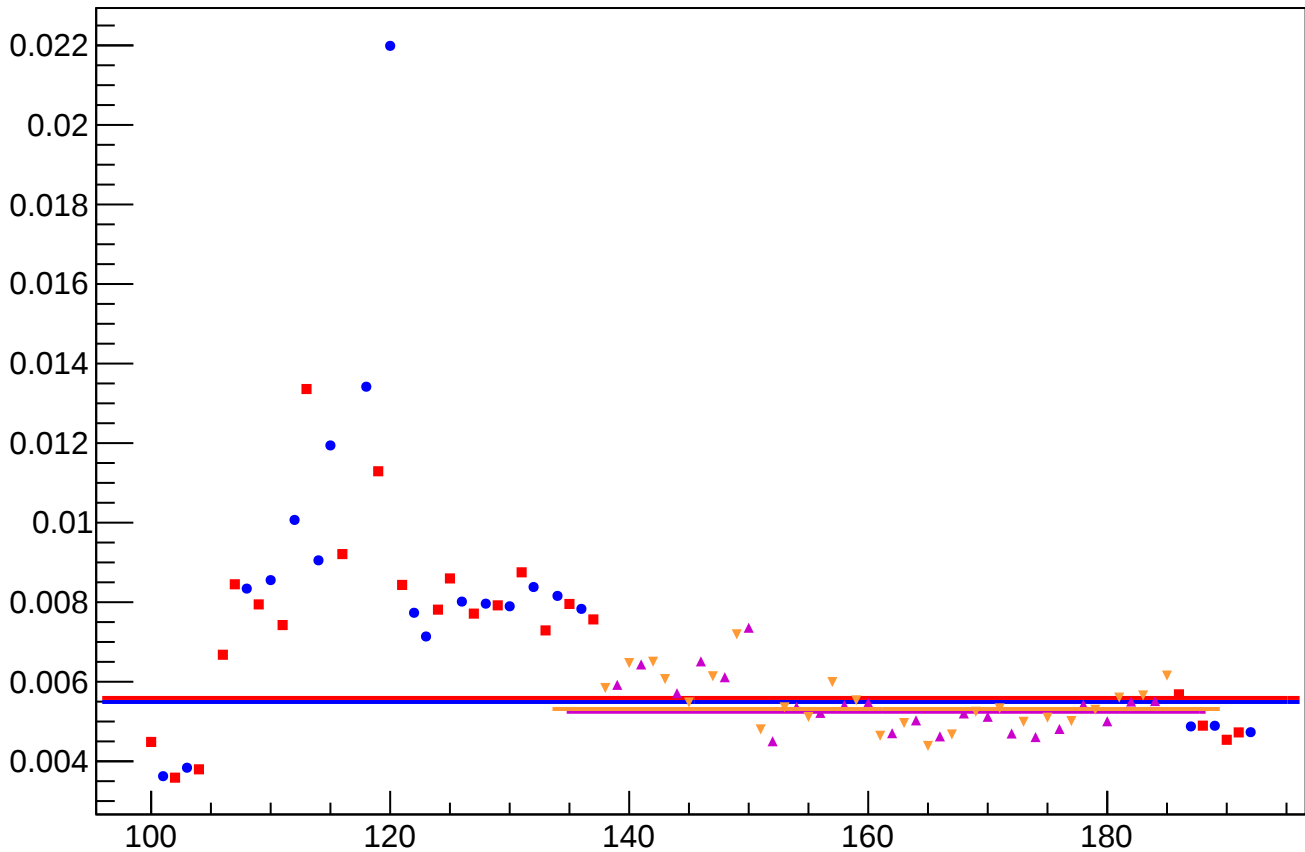
Left In: 2.199+/-0.000 χ^2/NDF : 253166239065.4/22

+ sign 1.956+/-0.000 χ^2/NDF : 624218147992.3/44

All: 1.962+/-0.000 χ^2/NDF : 1262979191343.

- sign 1.967+/-0.000 χ^2/NDF : 638717506829.4/45

yield_bpm0l05Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 2000686.4/19

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:398795.0/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1798349.1/22

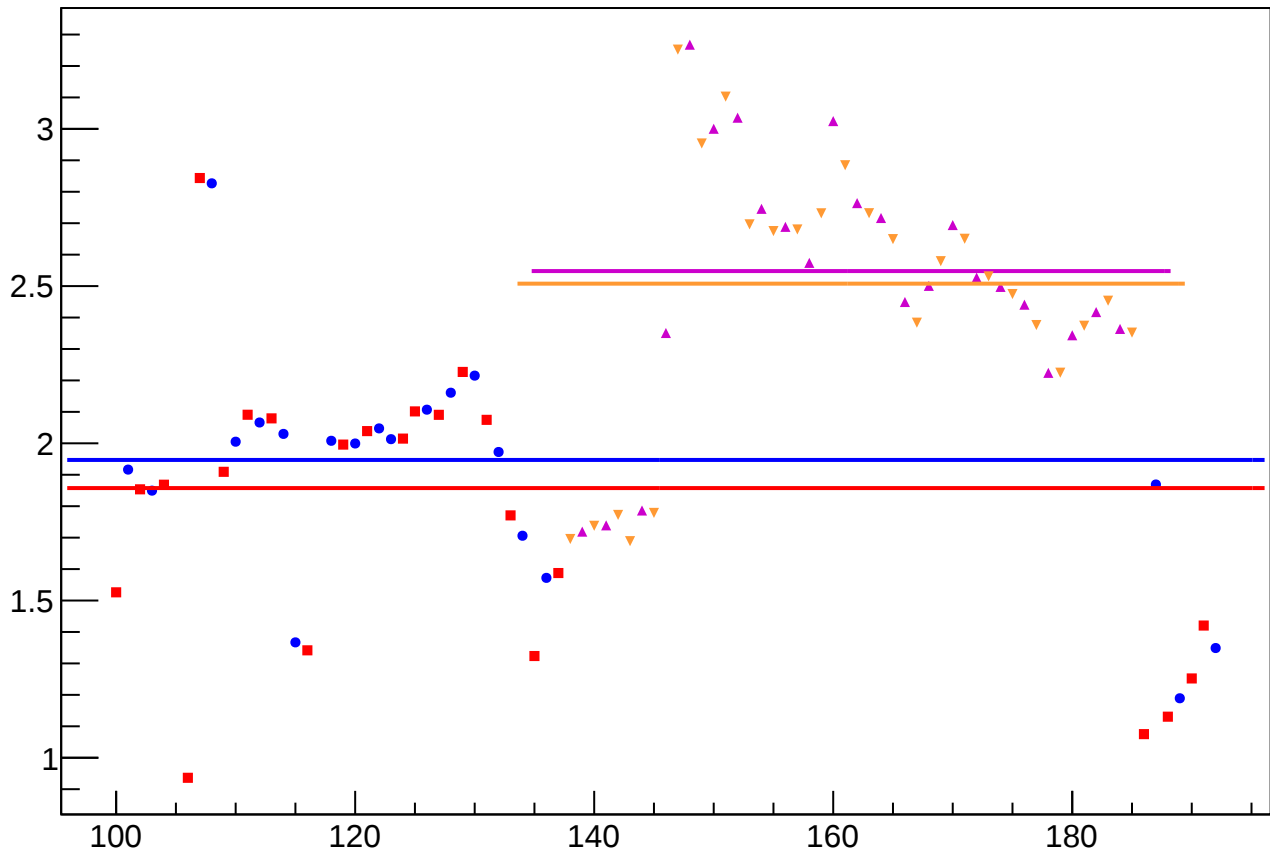
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:425864.8/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2408985.1/44

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 4672598.1/90

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2263382.8/45

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: 1.858 $\pm$ 0.000 χ^2 /NDF: 31486081410.7/22

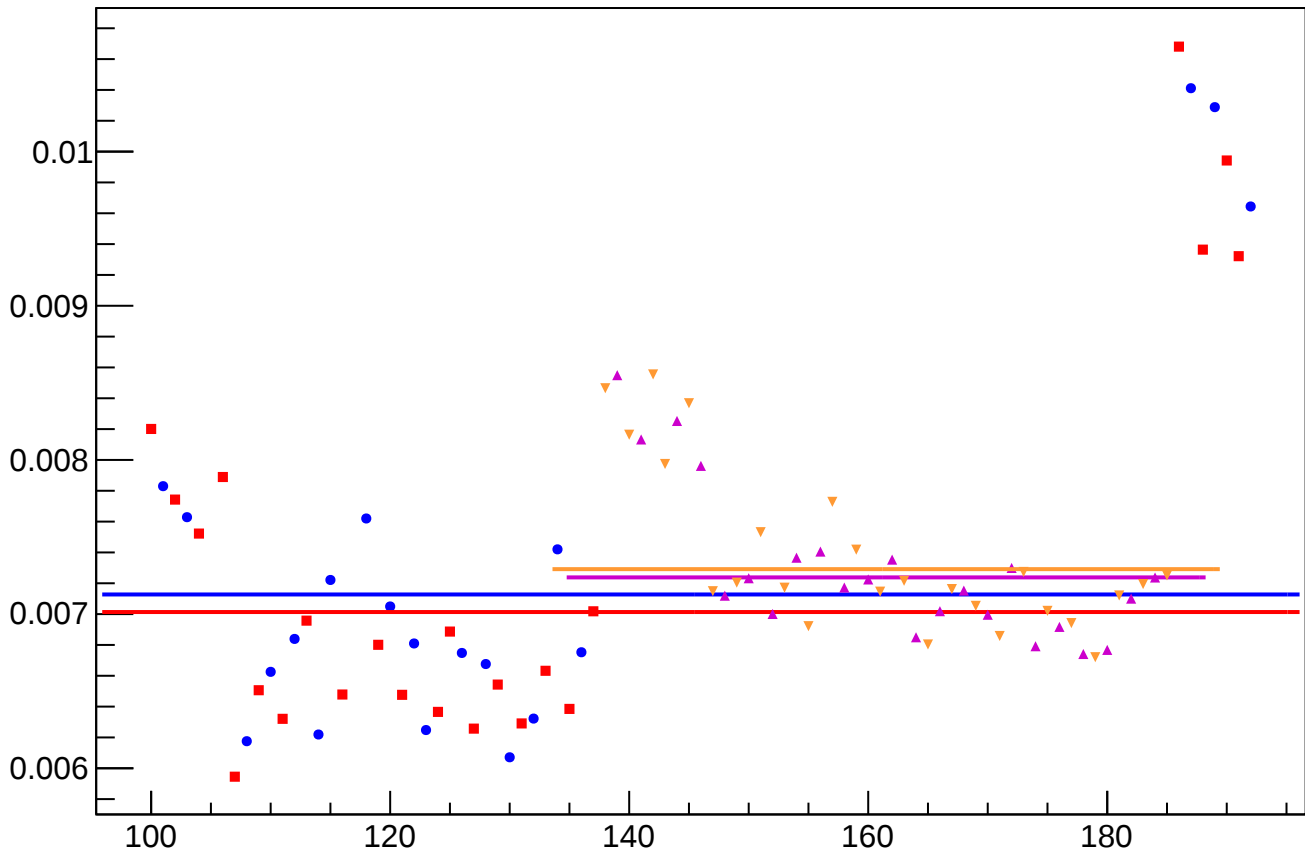
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.331 $\pm$ 0.000 χ^2 /NDF: 103723007512.2/44

All: 2.318 $\pm$ 0.000 χ^2 /NDF: 233644583771.5

- sign 2.306 $\pm$ 0.000 χ^2 /NDF: 129769704776.1/45

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 : 394438.4/22

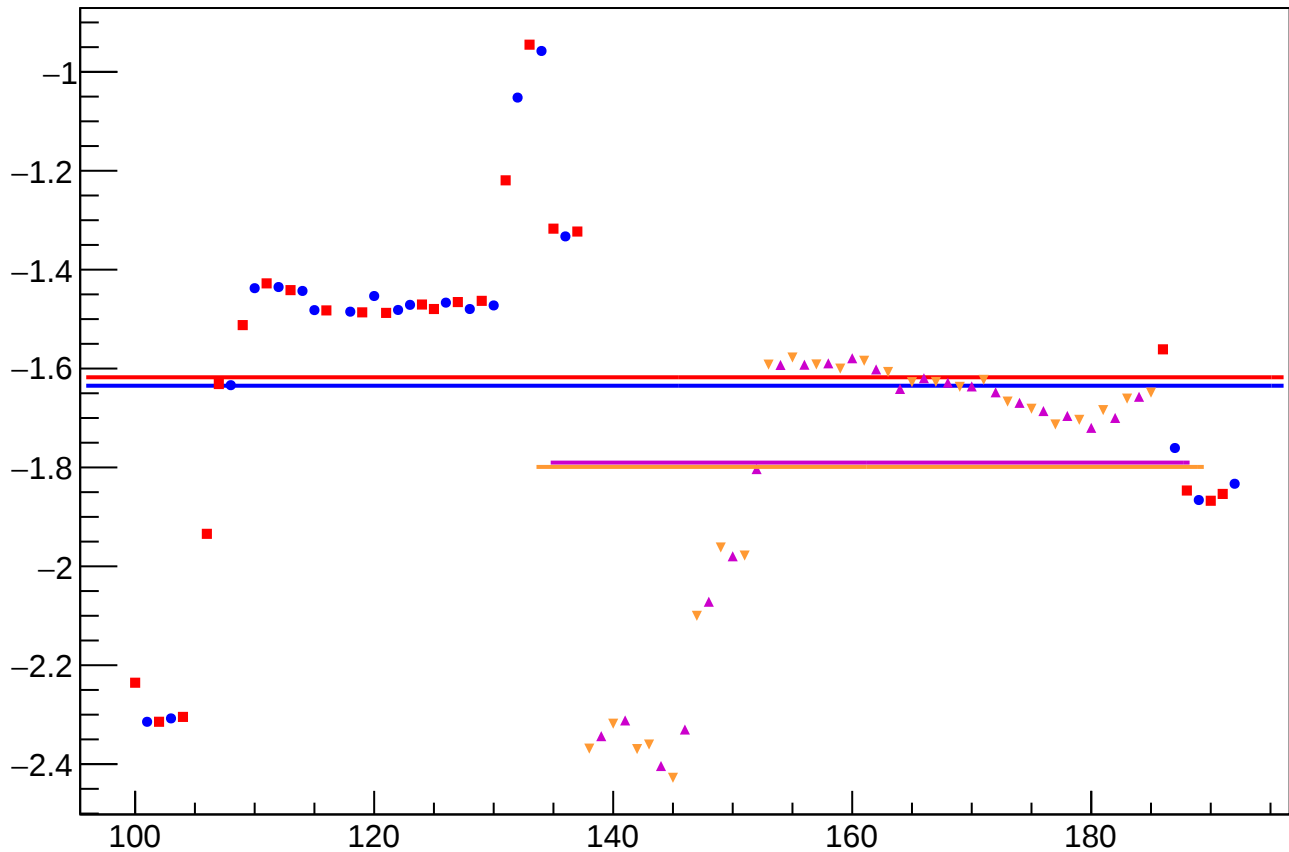
Left In: 0.007+/-0.000 χ^2/NDF :125233.2/22

+ sign 0.007+/-0.000 χ^2/NDF : 485410.8/44

All: 0.007+/-0.000 χ^2/NDF : 1019437.4/90

- sign 0.007+/-0.000 χ^2/NDF : 530892.0/45

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: -1.618+/-0.000 χ^2 /NDF: 153276468132.0/22

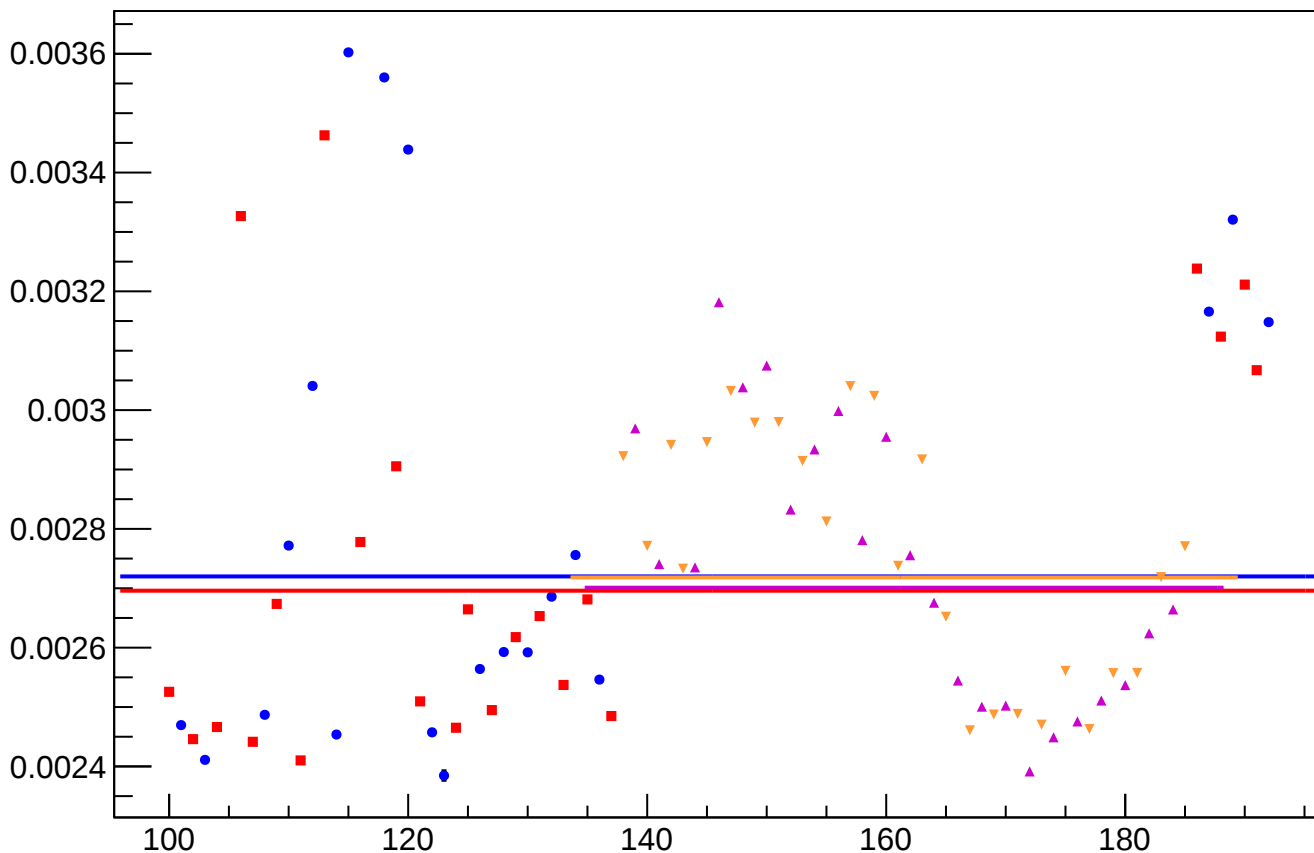
Left In: -1.790+/-0.000 χ^2 /NDF: 159648935510.8/22

+ sign -1.749+/-0.000 χ^2 /NDF: 351971559066.5/44

All: -1.740+/-0.000 χ^2 /NDF: 688268938496.8

- sign -1.732+/-0.000 χ^2 /NDF: 335807314231.8/45

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 : 197396.5/22

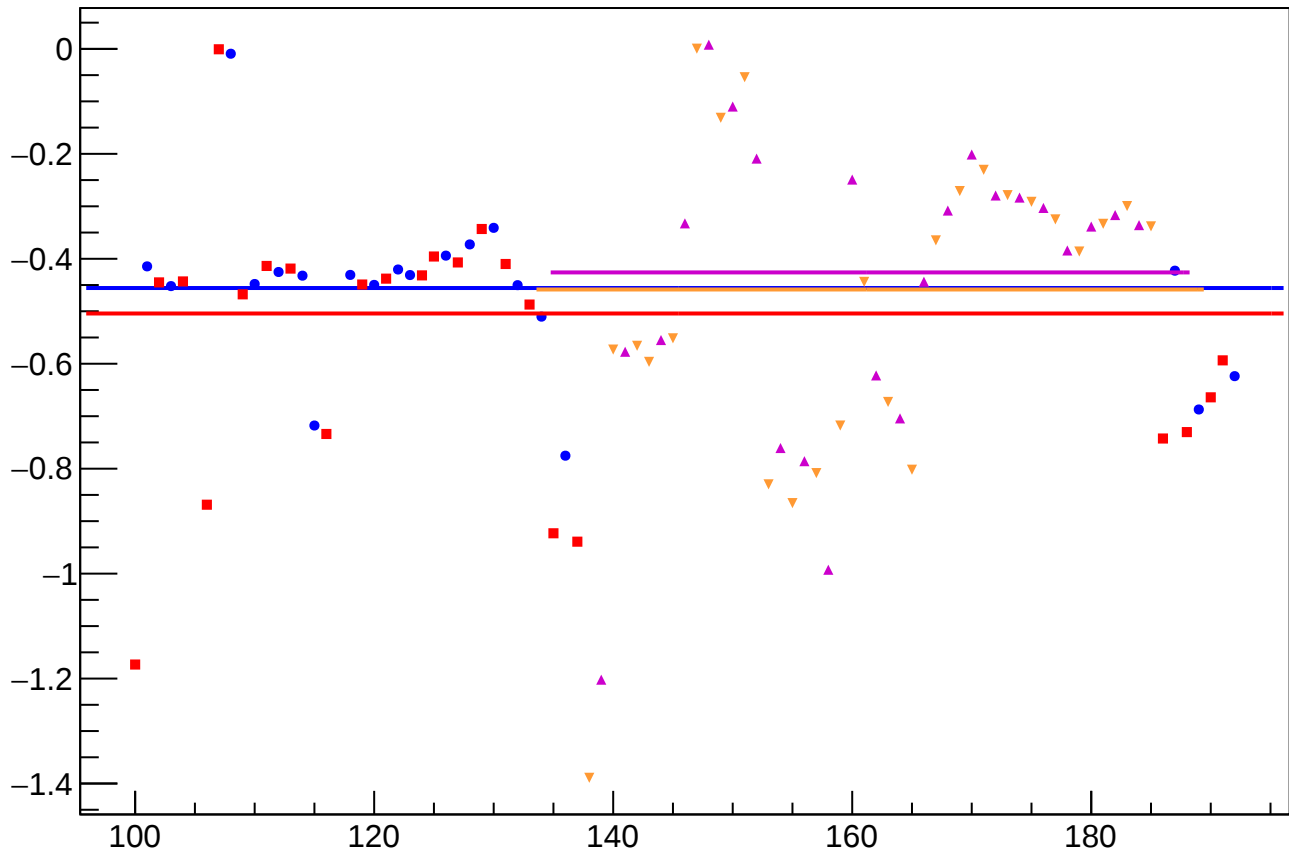
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 431198.3/44

All: 0.003+/-0.000 χ^2/NDF : 850265.5/90

- sign 0.003+/-0.000 χ^2/NDF : 417763.2/45

yield_bpm0l07X_mean vs Slug



Right In: -0.456 ± 0.000 χ^2/NDF : 1647208590.5/19

Left Out: -0.459 ± 0.000 χ^2/NDF : 9916462814.9/24

Right Out: -0.504 ± 0.000 χ^2/NDF : 2980490281.7/22

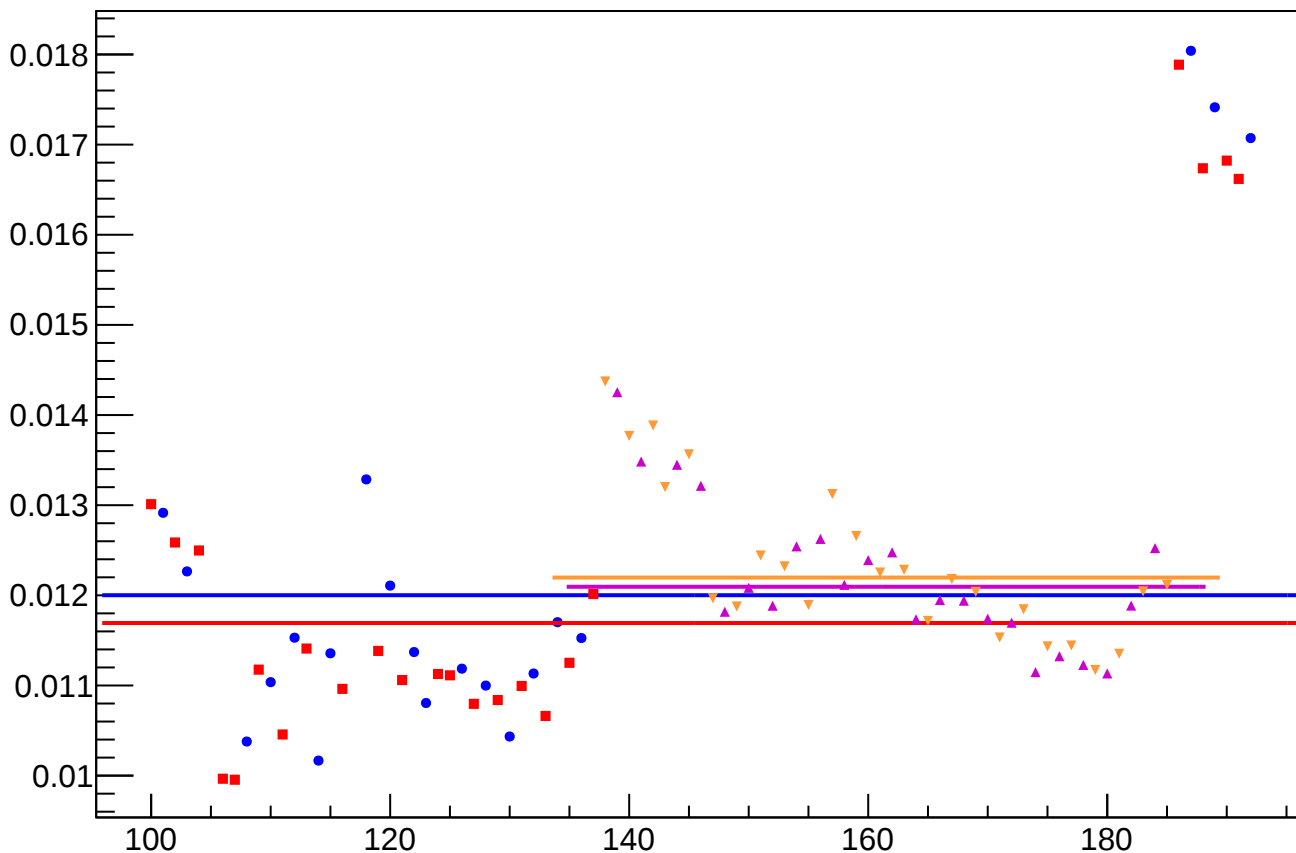
Left In: -0.426 ± 0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.458 ± 0.000 χ^2/NDF : 11563963167.7/44

All: -0.456 ± 0.000 χ^2/NDF : 23216793176.8/44

- sign -0.454 ± 0.000 χ^2/NDF : 11651536910.0/45

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: 447066.4/22

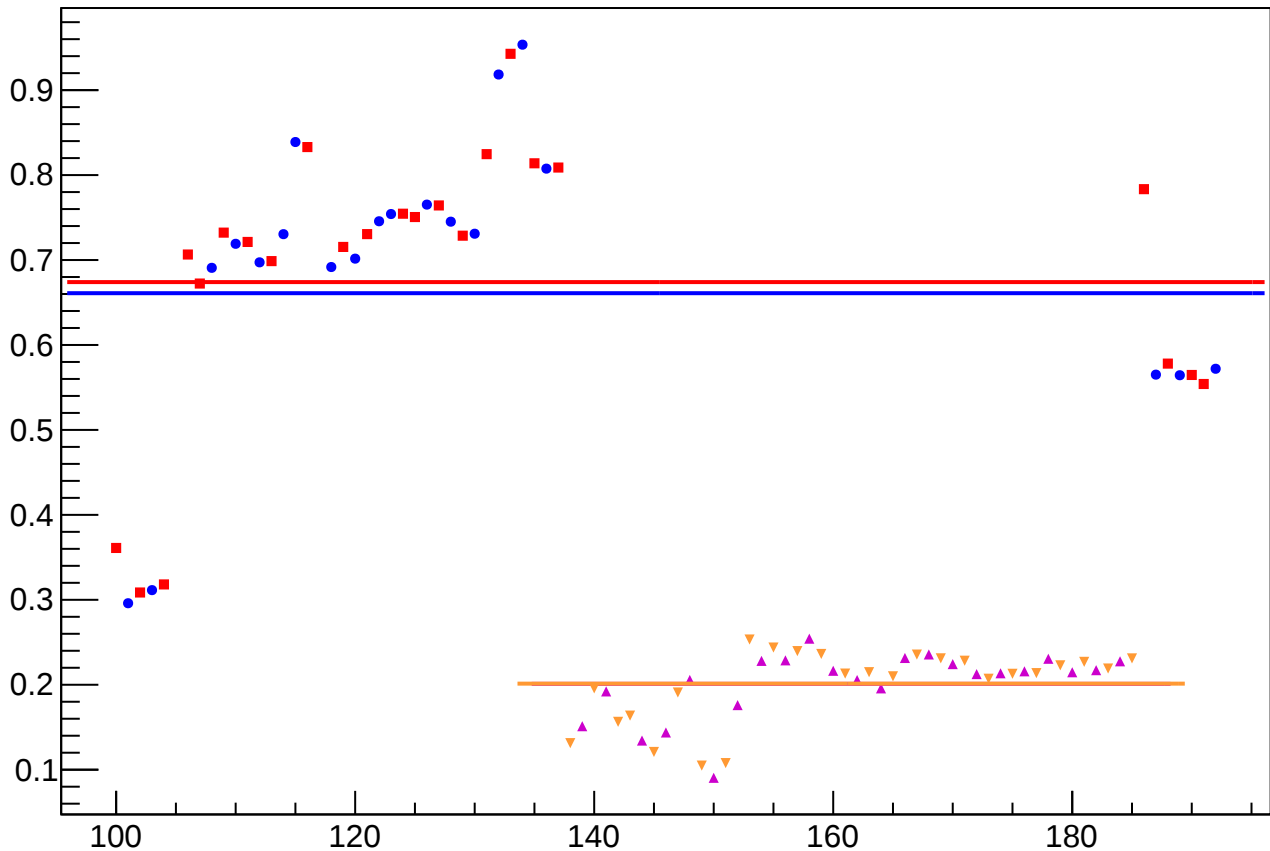
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:127308.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 518665.0/44

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 1111905.3/90

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 587389.8/45

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: 0.674 $\pm$ 0.000 χ^2 /NDF: 38161666271.2/22

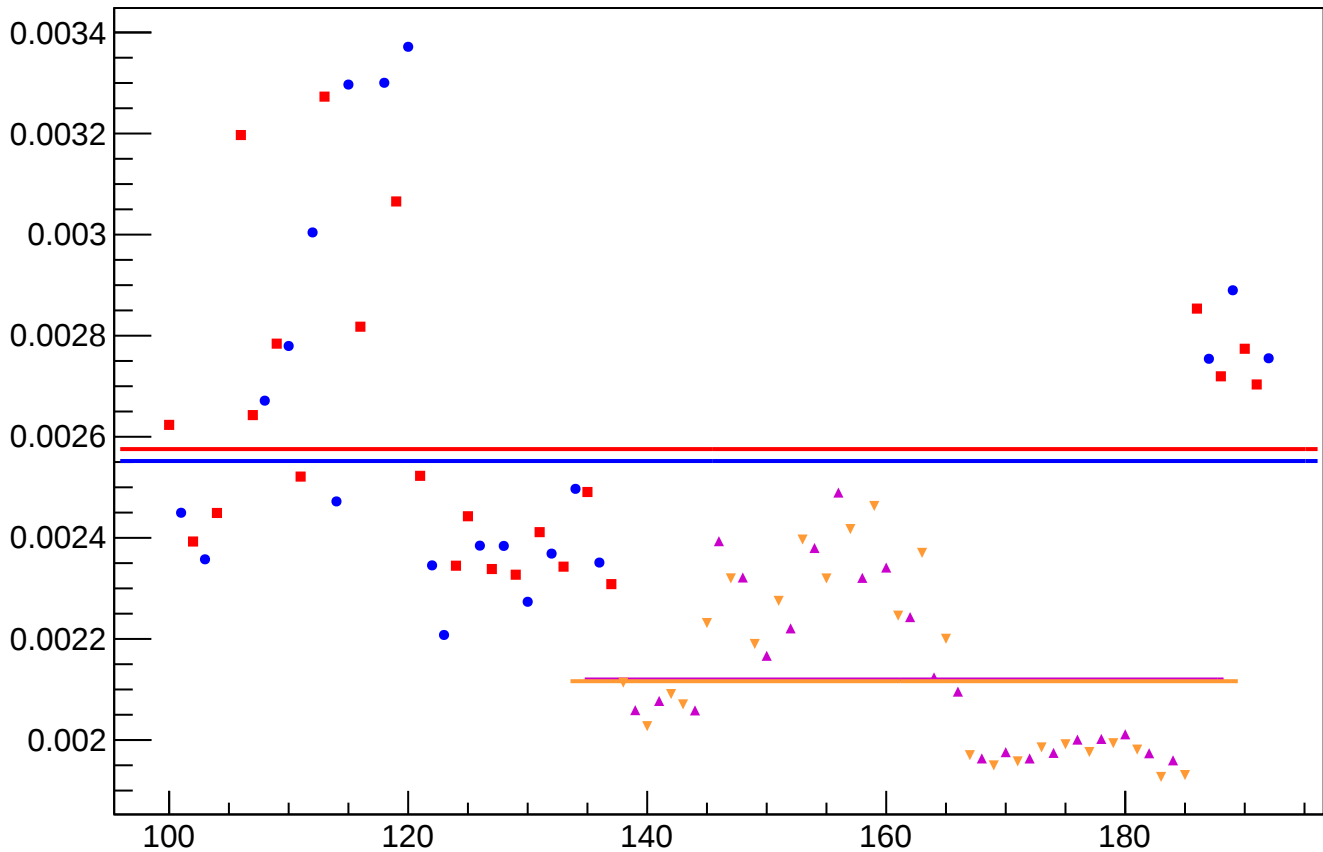
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.306 $\pm$ 0.000 χ^2 /NDF: 242954174820.8/44

All: 0.313 $\pm$ 0.000 χ^2 /NDF: 501638021858.5

- sign 0.320 $\pm$ 0.000 χ^2 /NDF: 258204552615.1/45

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 : 151593.3/22

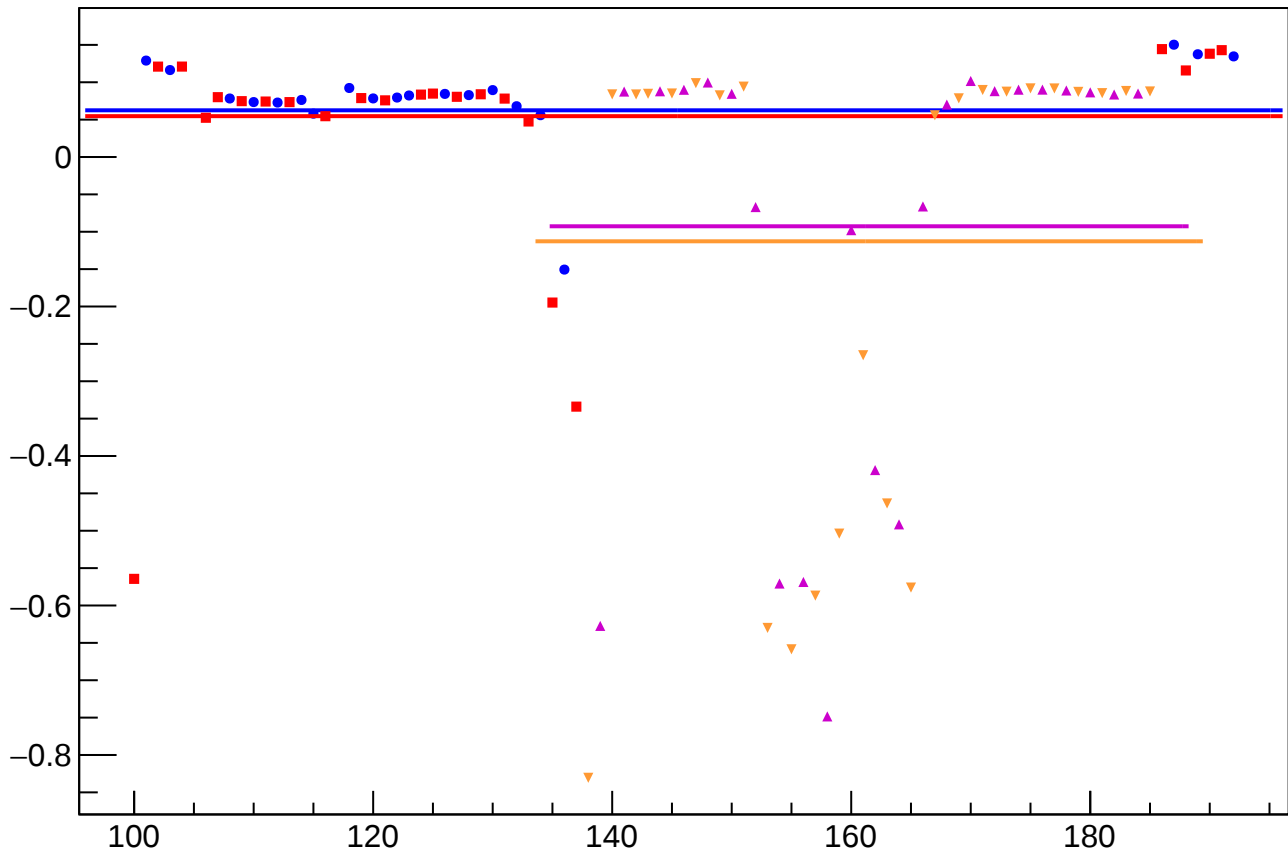
Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 777975.5/44

All: 0.002+/-0.000 χ^2/NDF : 1518836.2/90

- sign 0.002+/-0.000 χ^2/NDF : 739097.0/45

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

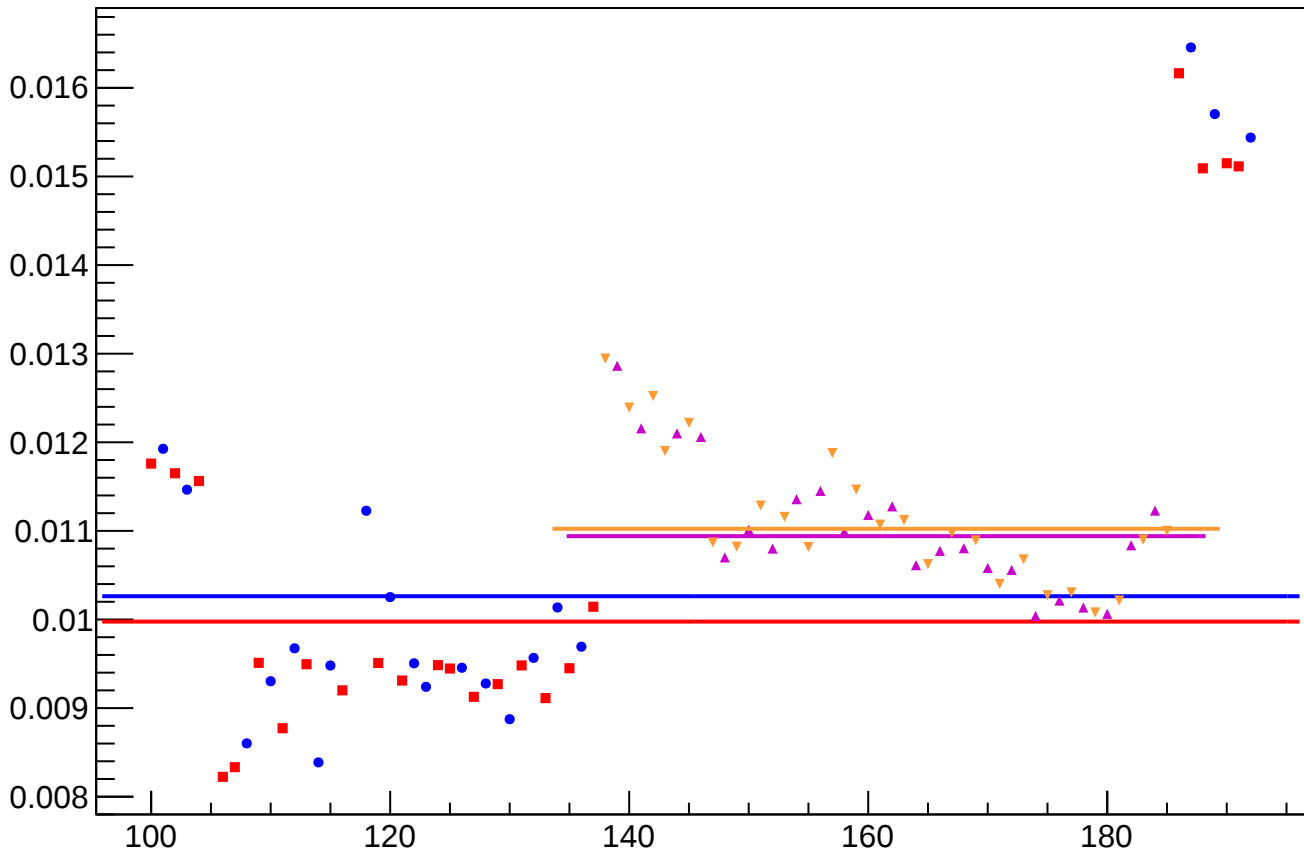
Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 867913953.6/22

All: -0.045 $\pm$ 0.000 χ^2 /NDF: 28718767059.3/45

- sign -0.037 $\pm$ 0.000 χ^2 /NDF: 13063300518.4/45

Left In: -0.093 $\pm$ 0.000 χ^2 /NDF:11051944893.7/22

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: 596963.6/22

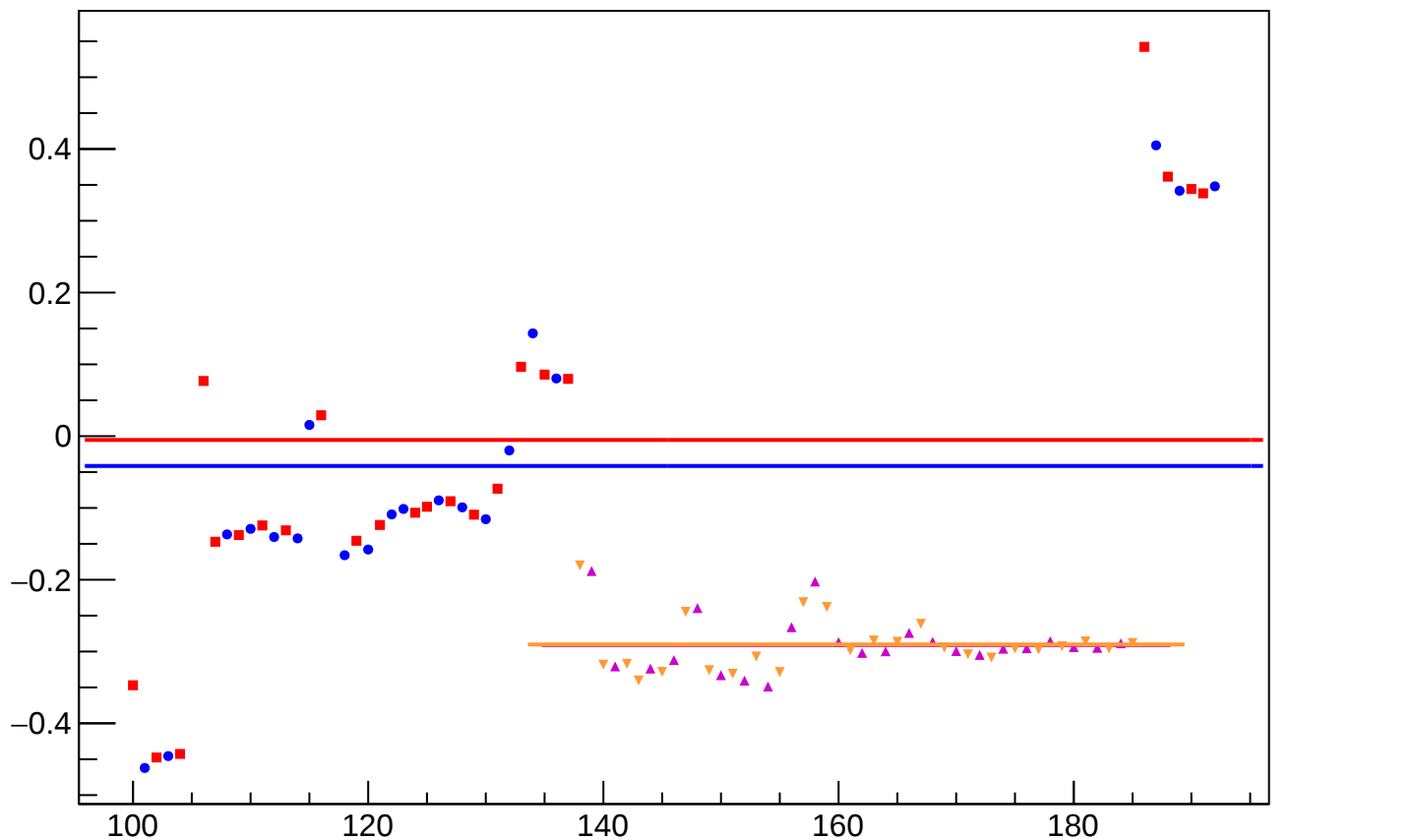
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:128914.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 700778.4/44

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1532872.1/90

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 823821.9/45

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: -0.005+/-0.000 χ^2/NDF : 37085409817.8/22

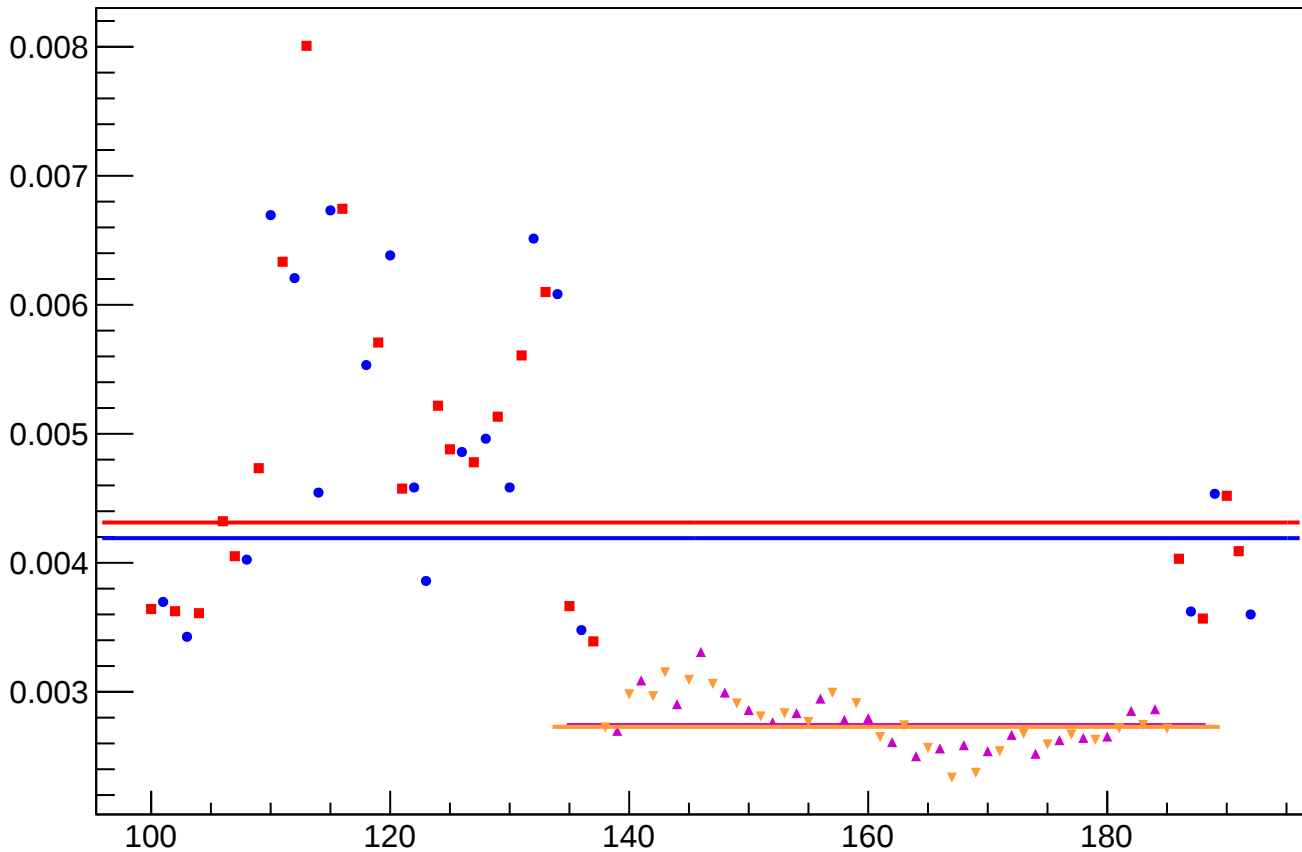
Left In: -0.291+/-0.000 χ^2/NDF : 3125402243.3/22

+ sign -0.253+/-0.000 χ^2/NDF : 57360542989.8/44

All: -0.249+/-0.000 χ^2/NDF : 126807208335.9

- sign -0.245+/-0.000 χ^2/NDF : 69344910774.5/45

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 686409.7/19

Left Out: 0.003+/-0.000 χ^2/NDF :206527.1/24

Right Out: 0.004+/-0.000 χ^2/NDF : 737806.0/22

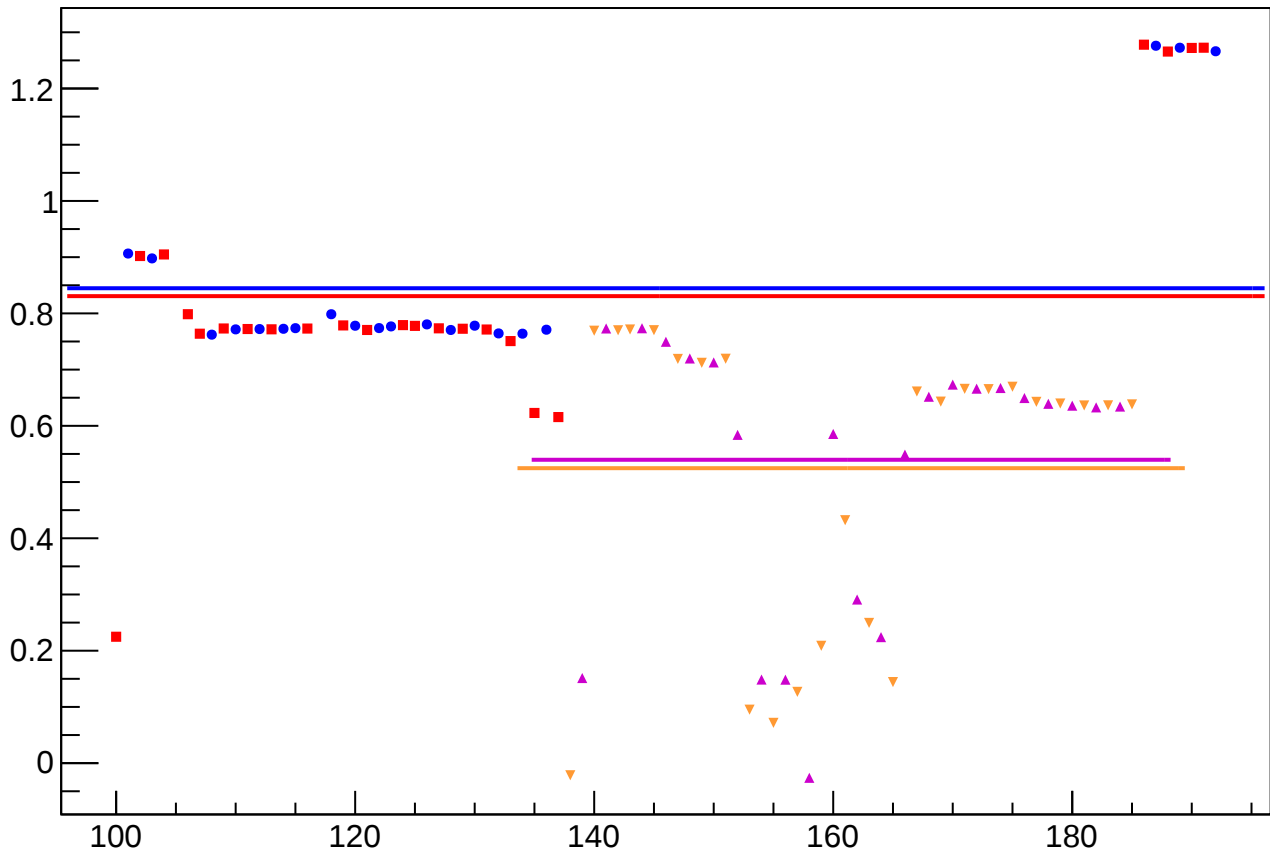
Left In: 0.003+/-0.000 χ^2/NDF :147778.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 2390734.5/44

All: 0.003+/-0.000 χ^2/NDF : 5043038.8/90

- sign 0.003+/-0.000 χ^2/NDF : 2645148.7/45

yield_bpm0l09X_mean vs Slug



Right In: 0.845 ± 0.000 χ^2/NDF : 1489697382.2/19

Left Out: 0.525 ± 0.000 χ^2/NDF : 9623503169.9/24

Right Out: 0.831 ± 0.000 χ^2/NDF : 2265055061.4/22

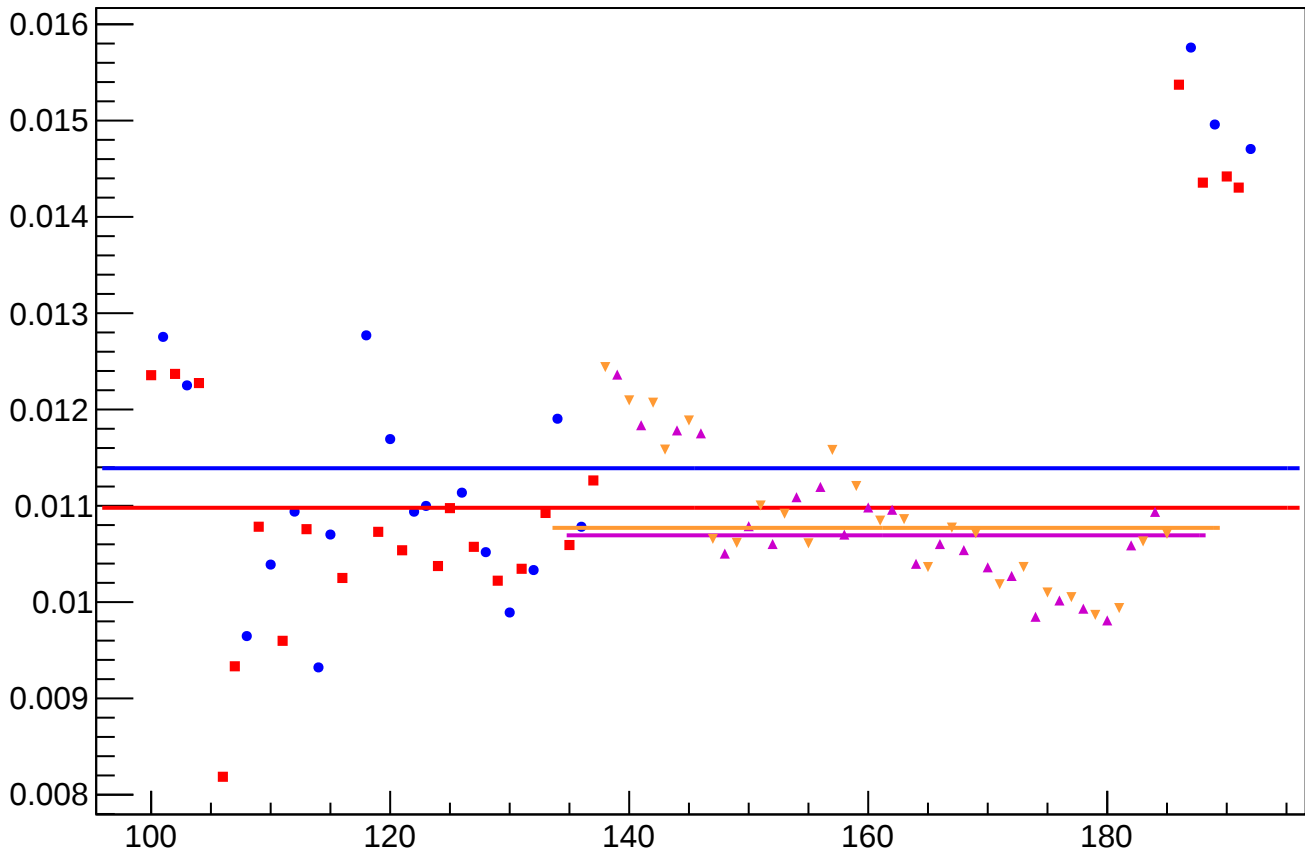
Left In: 0.540 ± 0.000 χ^2/NDF : 7860539135.5/22

+ sign 0.615 ± 0.000 χ^2/NDF : 15545271760.0/44

All: 0.625 ± 0.000 χ^2/NDF : 29761837173.1/9

- sign 0.635 ± 0.000 χ^2/NDF : 14175670557.0/45

yield_bpm0l09X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 285048.9/19

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 369926.8/22

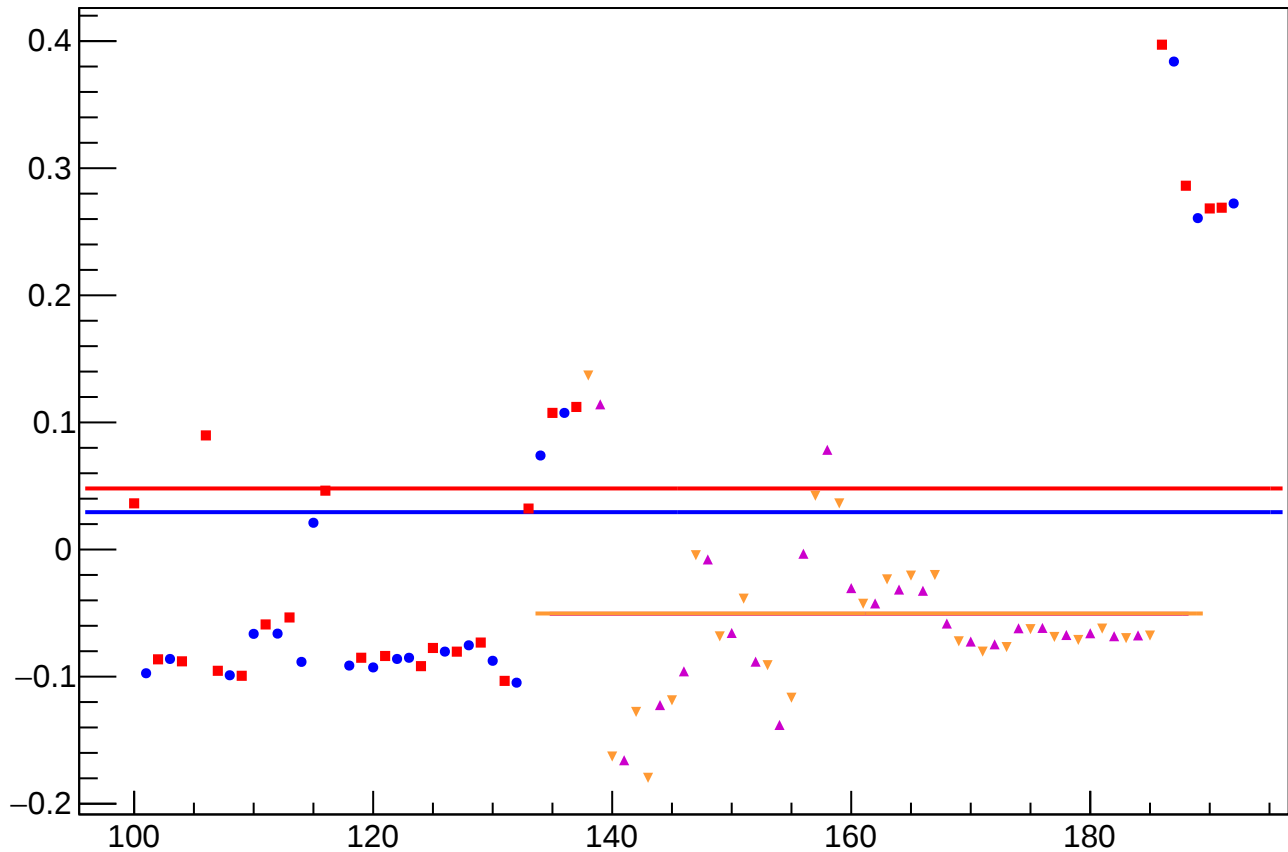
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 449860.4/44

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 952361.1/90

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 497029.4/45

yield_bpm0l09Y_mean vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 8053305876.6/19

Left Out: -0.050+/-0.000 χ^2/NDF : 7271496478.6/24

Right Out: 0.048+/-0.000 χ^2/NDF : 9780609485.2/22

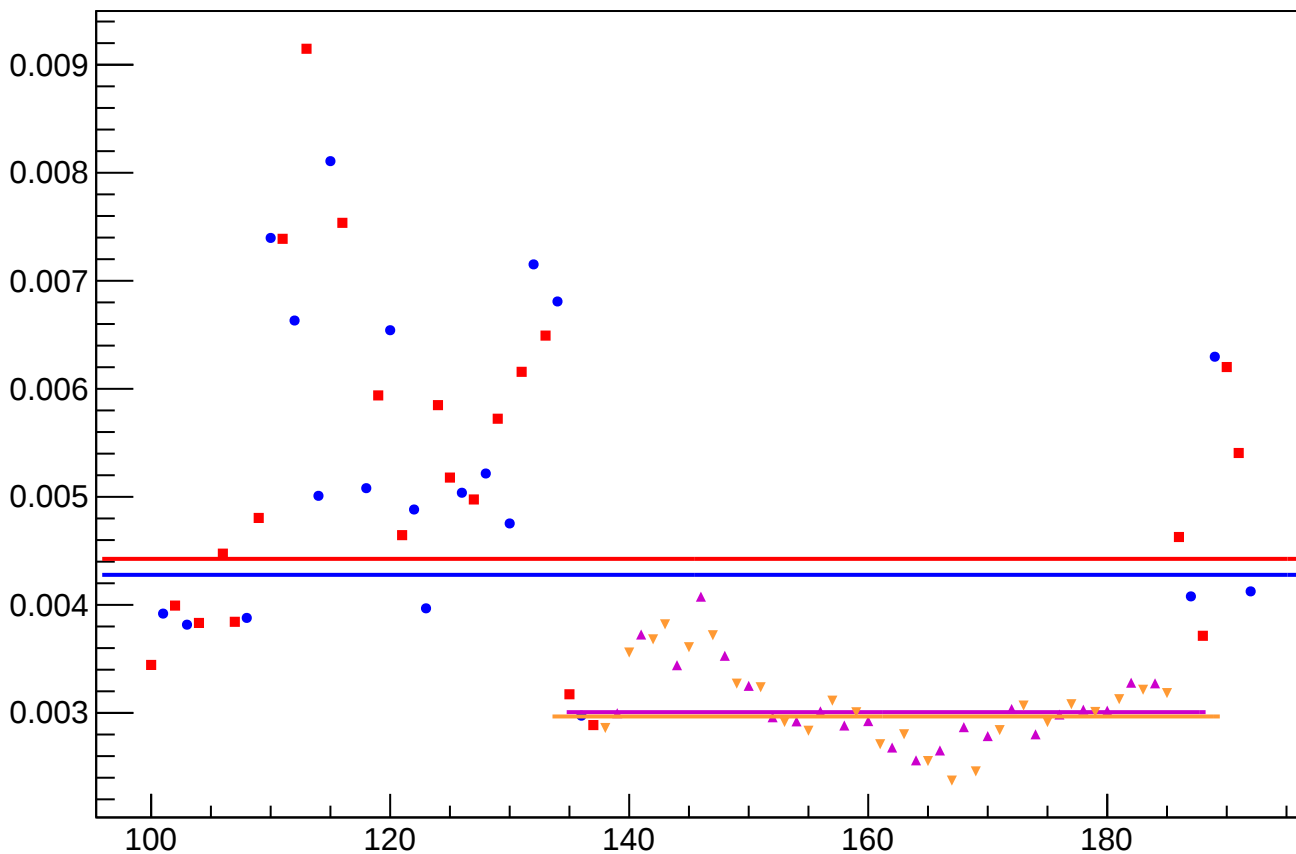
Left In: -0.051+/-0.000 χ^2/NDF : 6128769990.8/22

+ sign -0.037+/-0.000 χ^2/NDF : 17318305758.9/44

All: -0.035+/-0.000 χ^2/NDF : 36292722899.2/45

- sign -0.033+/-0.000 χ^2/NDF : 18954731077.1/45

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: 1096722.6/22

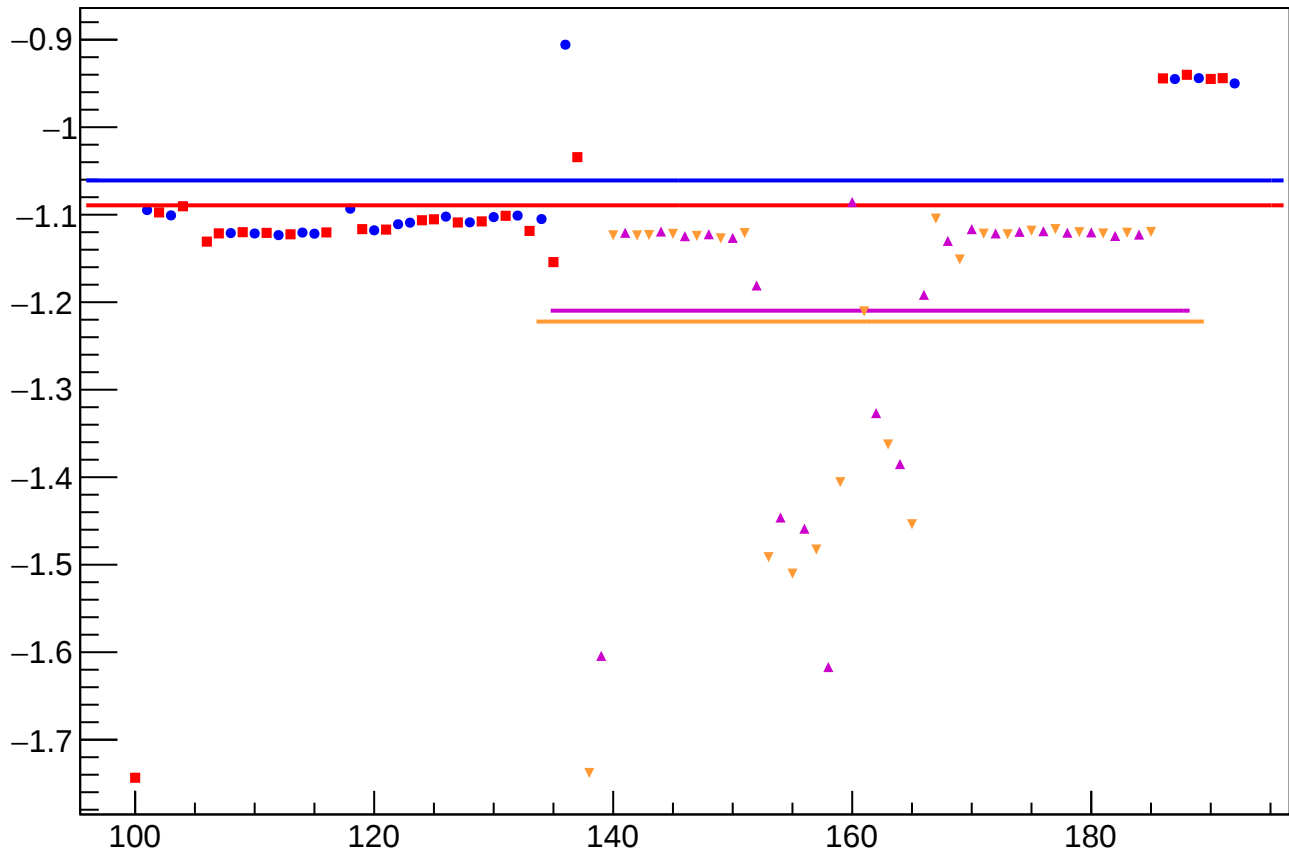
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:329068.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2551994.2/44

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 5252052.2/90

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2686590.5/45

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: -1.089 ± 0.000 χ^2/NDF : 511659319.4/22

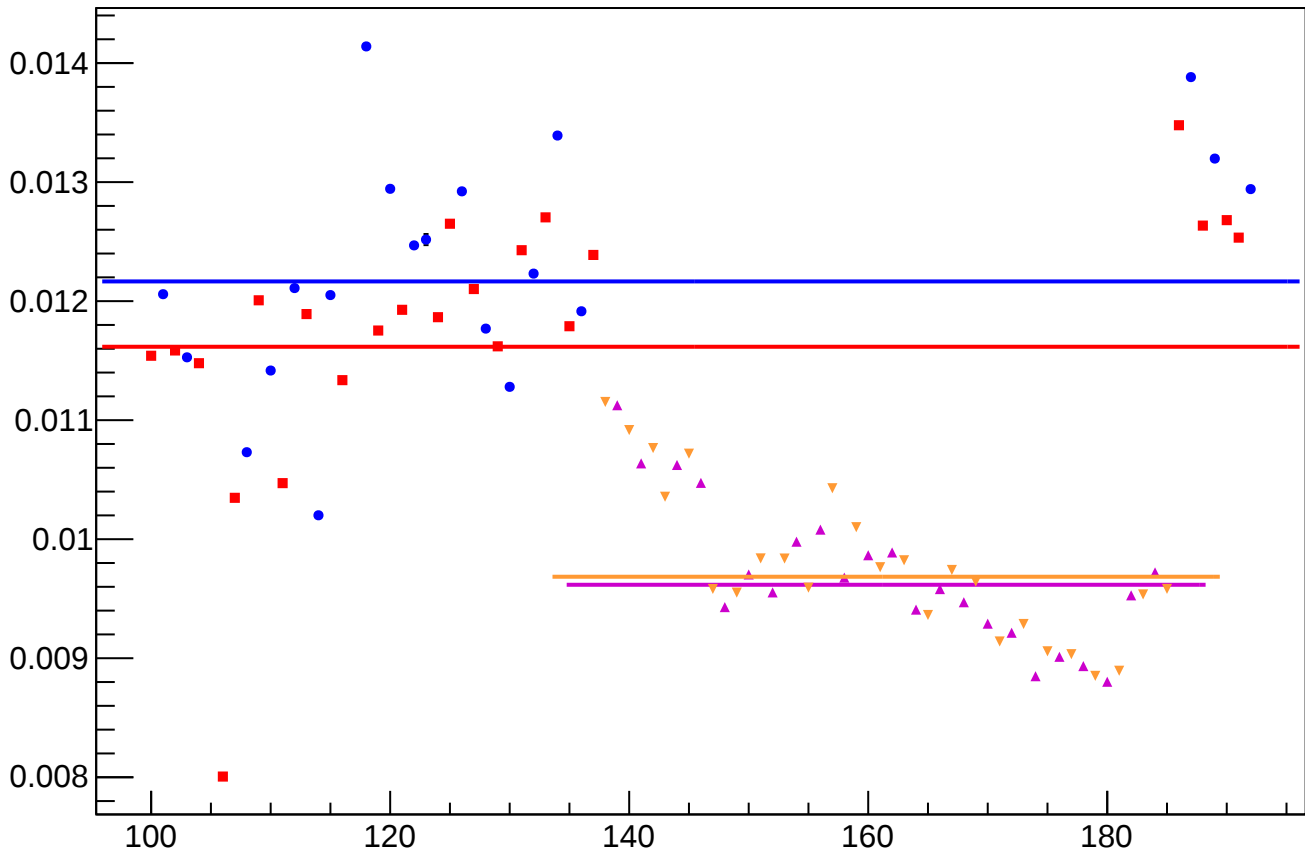
Left In: -1.210 ± 0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.187 ± 0.000 χ^2/NDF : 6700802973.4/44

All: -1.182 ± 0.000 χ^2/NDF : 12408011922.2

- sign -1.178 ± 0.000 χ^2/NDF : 5698741135.9/45

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: 191520.7/22

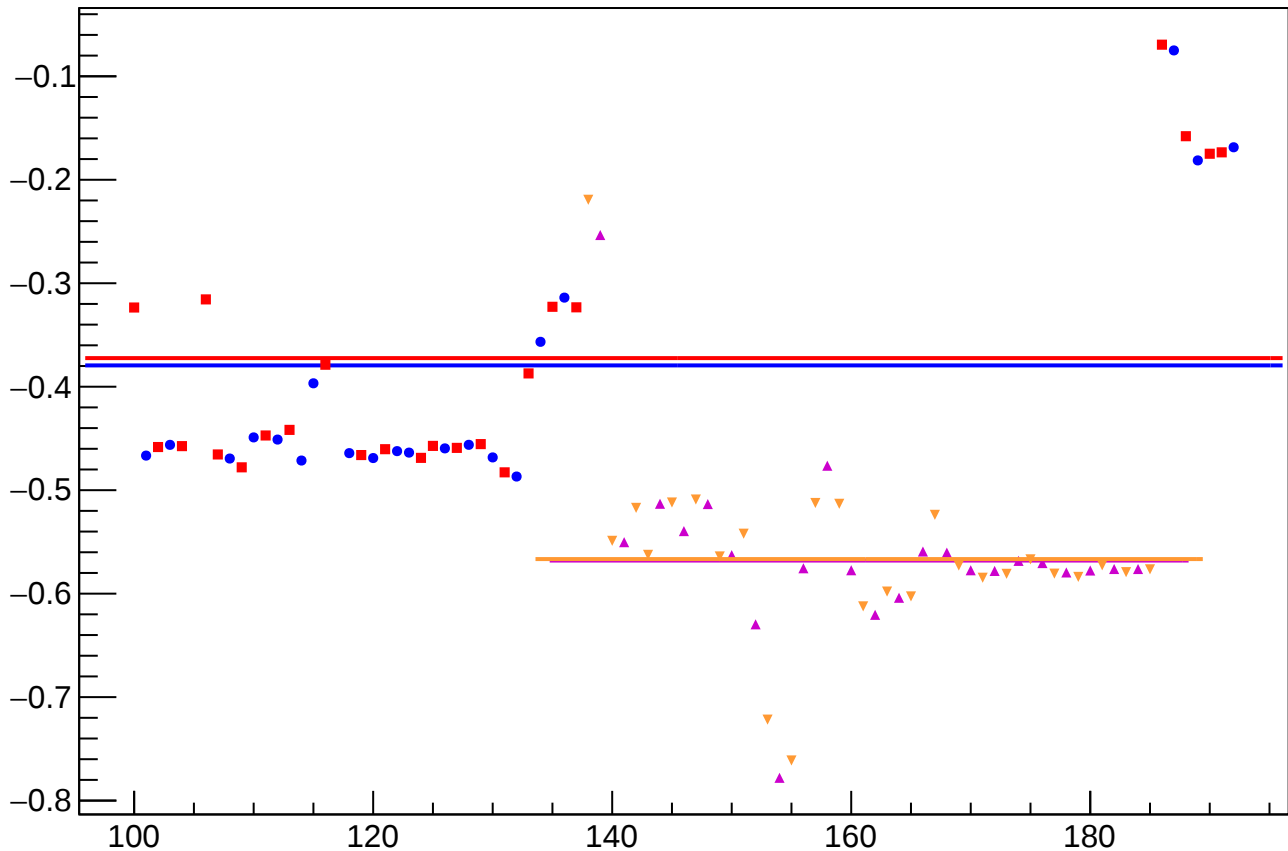
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 726282.0/44

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 1417540.0/90

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 689175.0/45

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: -0.372 ± 0.000 χ^2/NDF : 7444350993.2/22

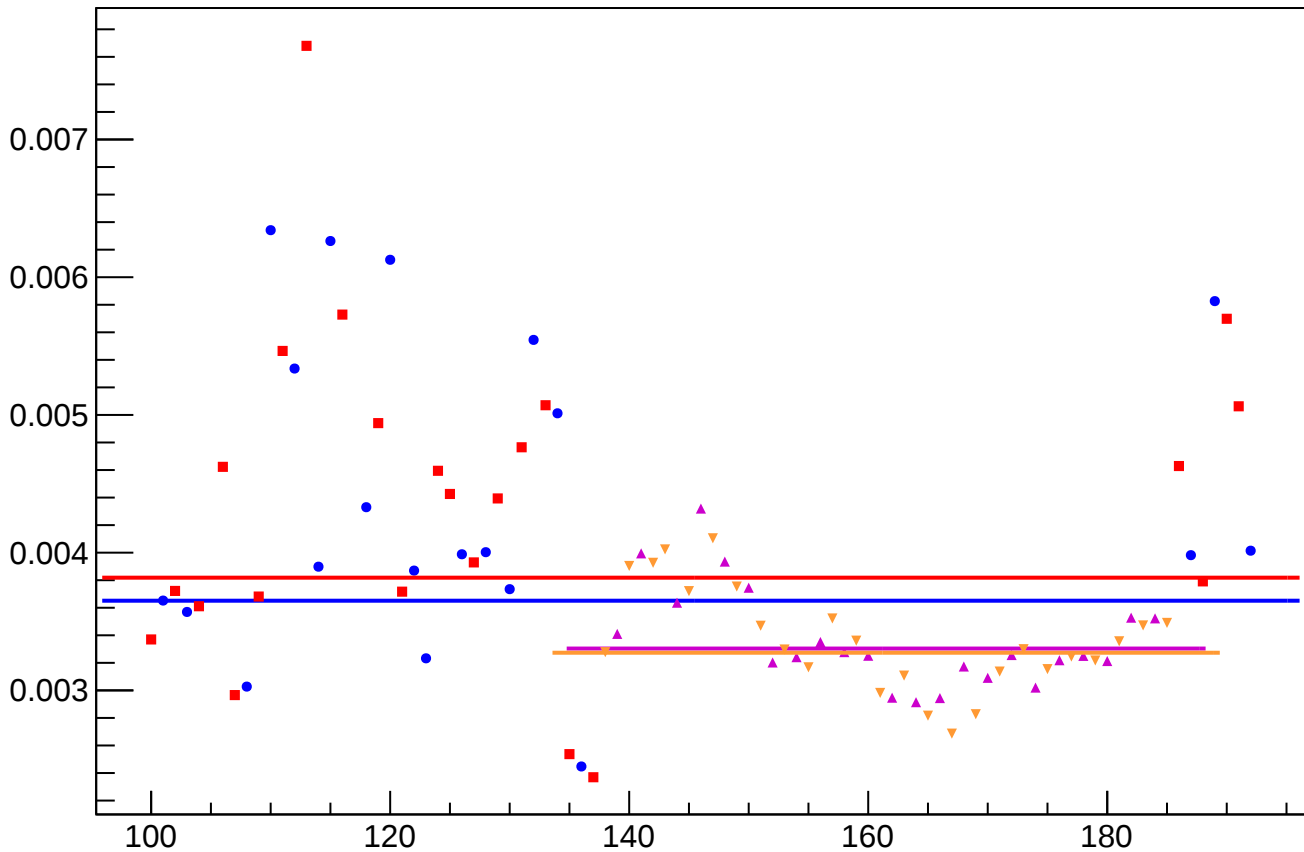
Left In: -0.568 ± 0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.521 ± 0.000 χ^2/NDF : 33209047182.1/44

All: -0.520 ± 0.000 χ^2/NDF : 65716551336.3/45

- sign -0.518 ± 0.000 χ^2/NDF : 32492174043.2/45

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: 1013595.3/22

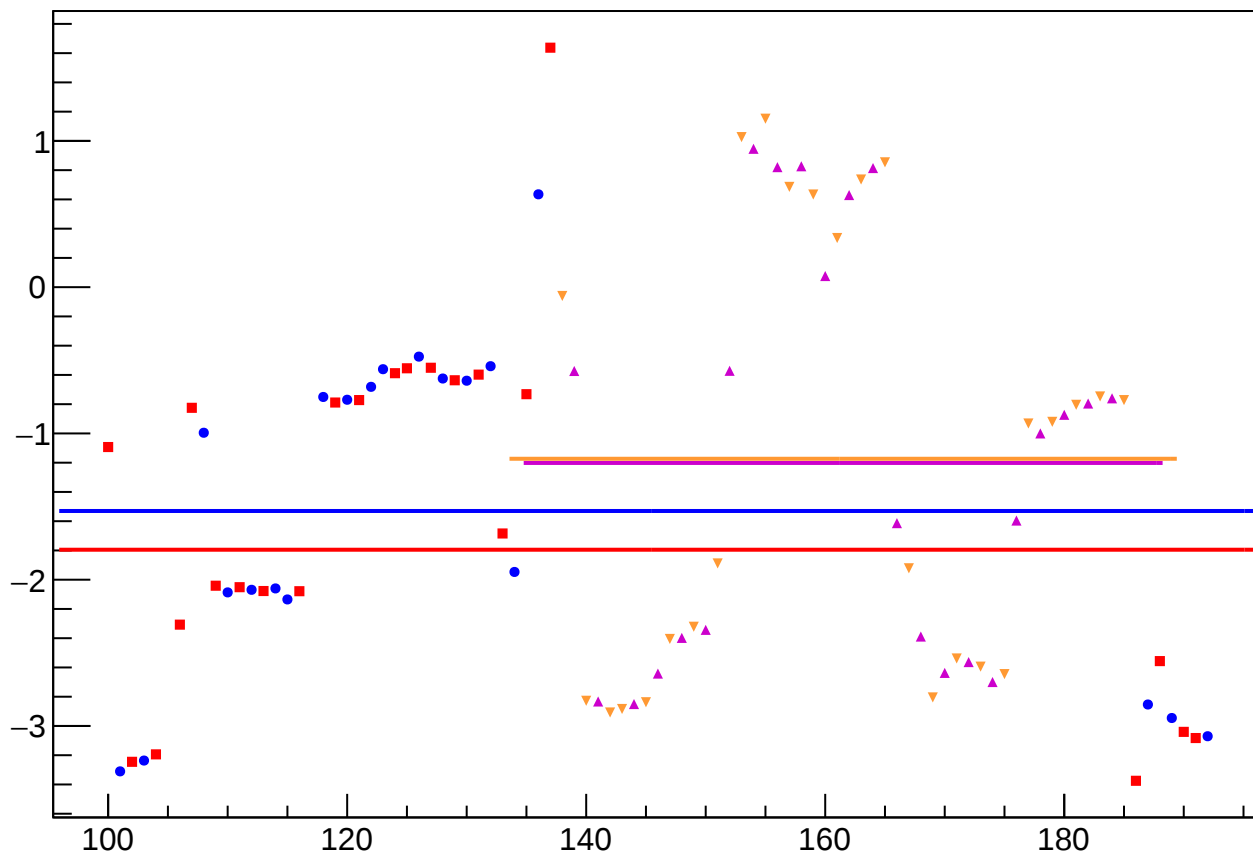
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1491126.3/44

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3003267.8/90

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1501556.4/45

yield_bpm0r03X_mean vs Slug



Right In: -1.530 $\pm$ 0.000 χ^2 /NDF: 2734047243.6/19

Left Out: -1.173 $\pm$ 0.000 χ^2 /NDF: 6882684653.2/24

Right Out: -1.795 $\pm$ 0.000 χ^2 /NDF: 2244754669.6/22

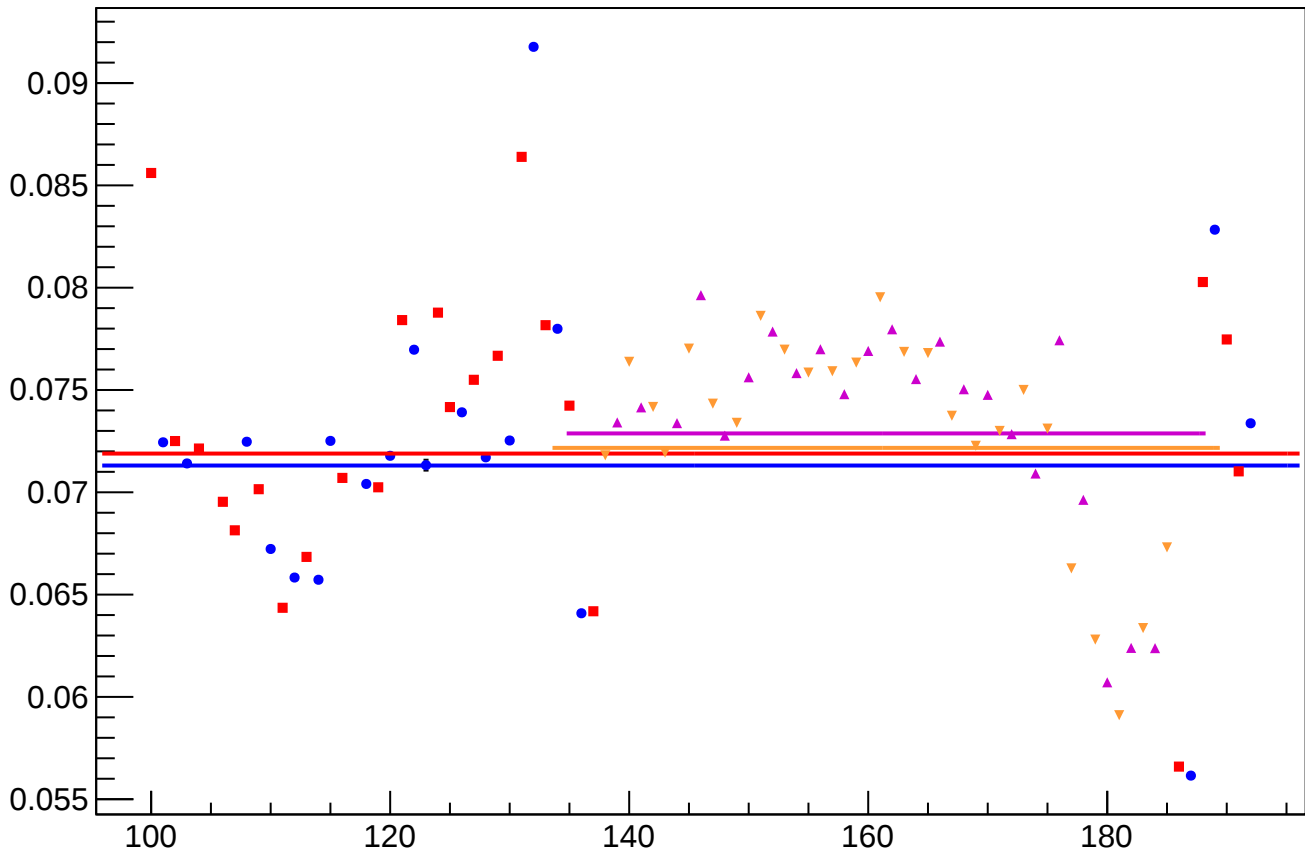
Left In: -1.202 $\pm$ 0.000 χ^2 /NDF: 5606782515.9/22

+ sign -1.285 $\pm$ 0.000 χ^2 /NDF: 9755095642.6/44

All: -1.345 $\pm$ 0.000 χ^2 /NDF: 18032611521.3/45

- sign -1.407 $\pm$ 0.000 χ^2 /NDF: 8240567713.6/45

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 : 145518.1/22

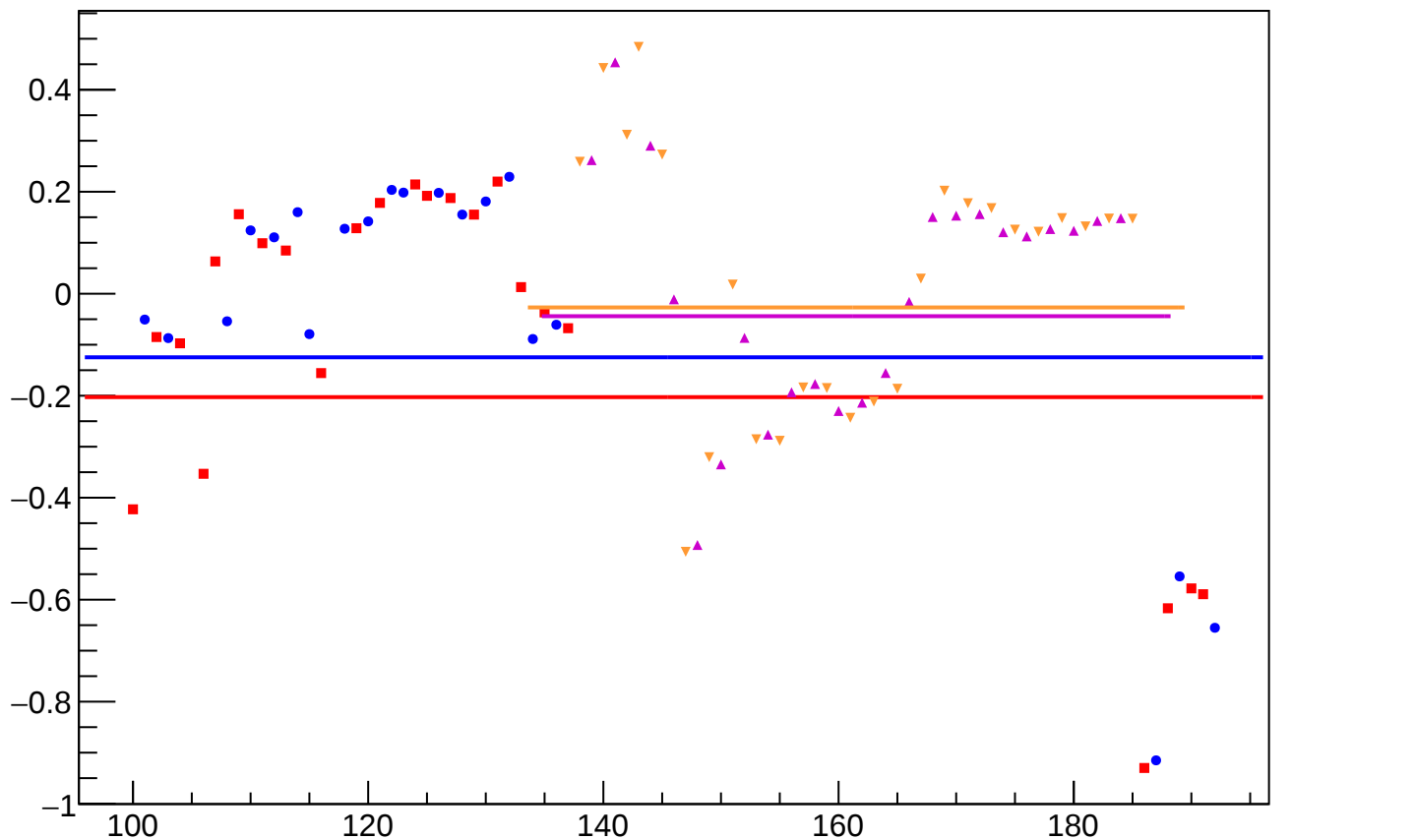
Left In: 0.073 ± 0.000 χ^2/NDF : 183503.0/22

+ sign 0.072 ± 0.000 χ^2/NDF : 341254.0/44

All: 0.072 ± 0.000 χ^2/NDF : 674424.0/90

- sign 0.073 ± 0.000 χ^2/NDF : 331162.8/45

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: -0.203 ± 0.000 χ^2/NDF : 7130015744.6/22

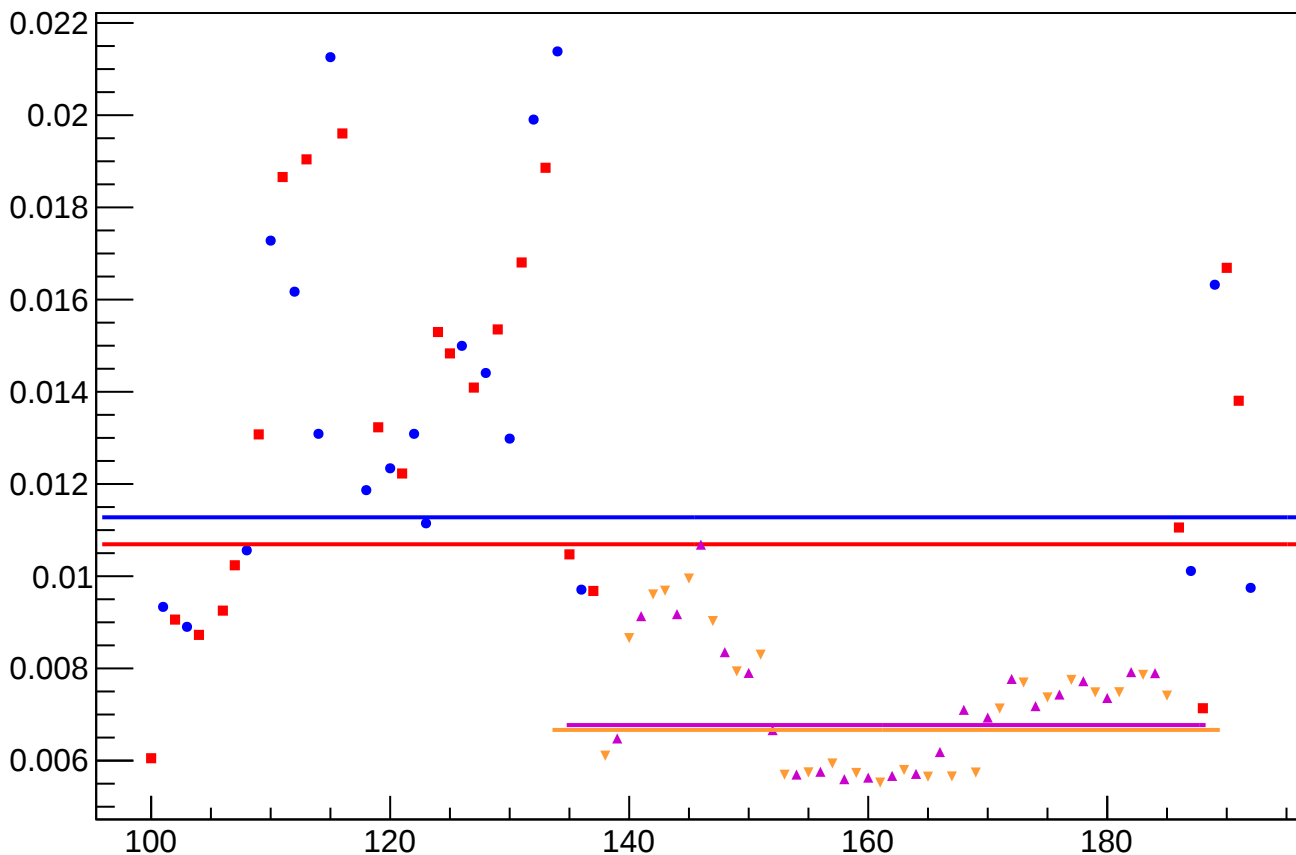
Left In: -0.044 ± 0.000 χ^2/NDF : 15718556282.1/22

+ sign -0.040 ± 0.000 χ^2/NDF : 26152856463.7/44

All: -0.054 ± 0.000 χ^2/NDF : 50531980432.0/45

- sign -0.069 ± 0.000 χ^2/NDF : 24199606102.0/45

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: 0.011 $\pm$ 0.000 χ^2 /NDF: 1506726.8/22

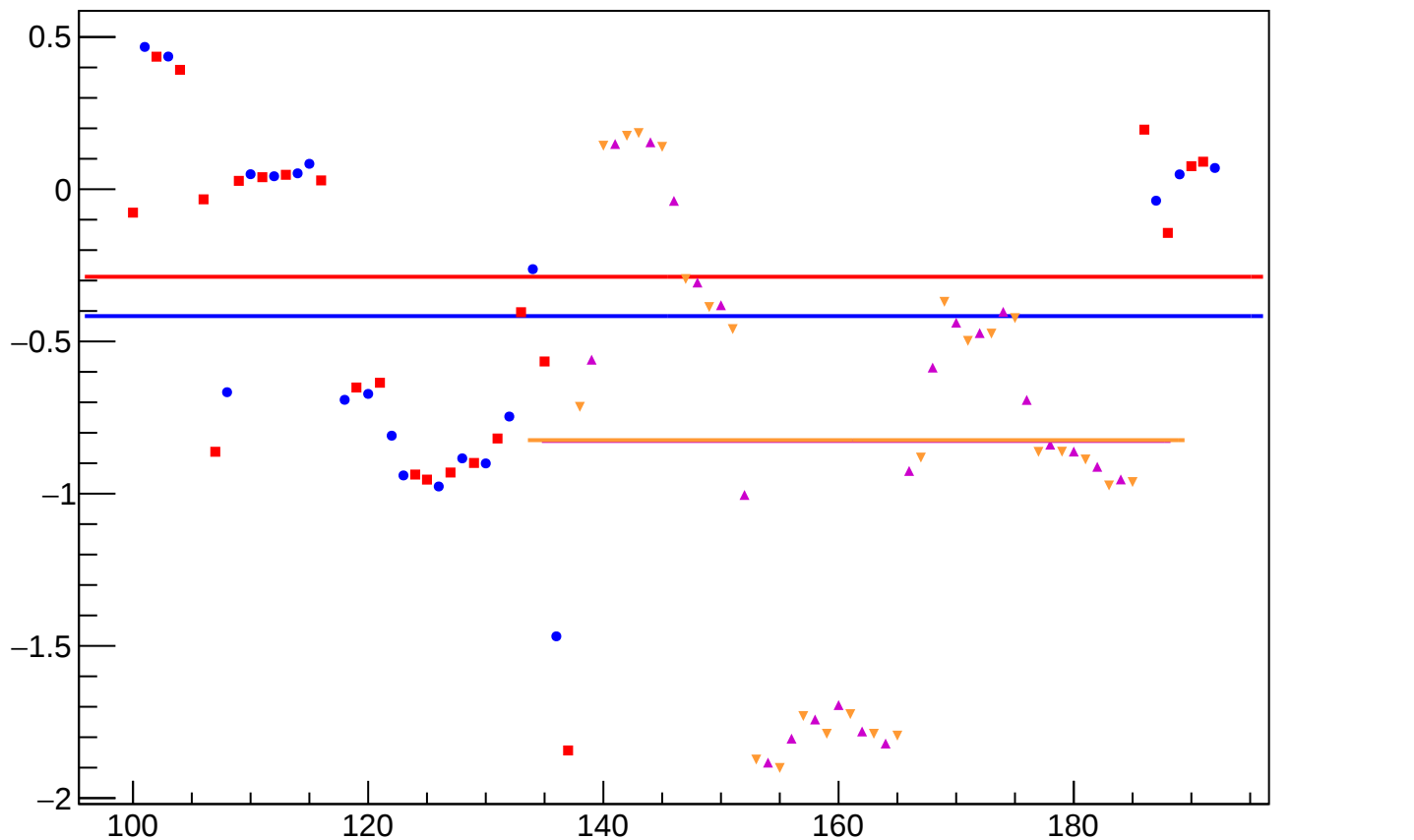
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4024722.7/44

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8120702.1/90

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4089906.2/45

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: -0.288+/-0.000 χ^2/NDF : 307390730.0/22

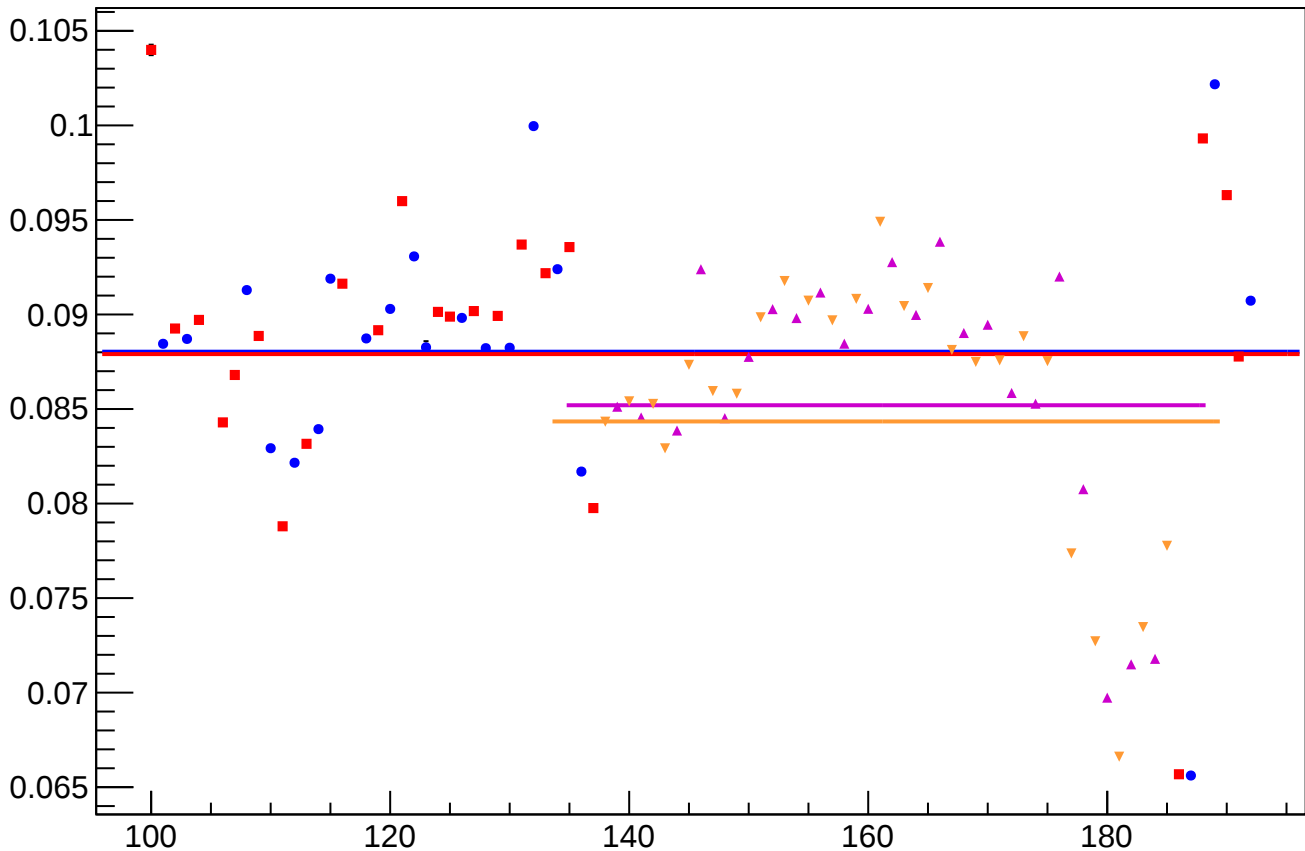
Left In: -0.827+/-0.000 χ^2/NDF : 921651117.3/22

+ sign -0.705+/-0.000 χ^2/NDF : 1616171019.2/44

All: -0.678+/-0.000 χ^2/NDF : 3075303868.0/9

- sign -0.650+/-0.000 χ^2/NDF : 1453758373.1/45

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: 155406.7/22

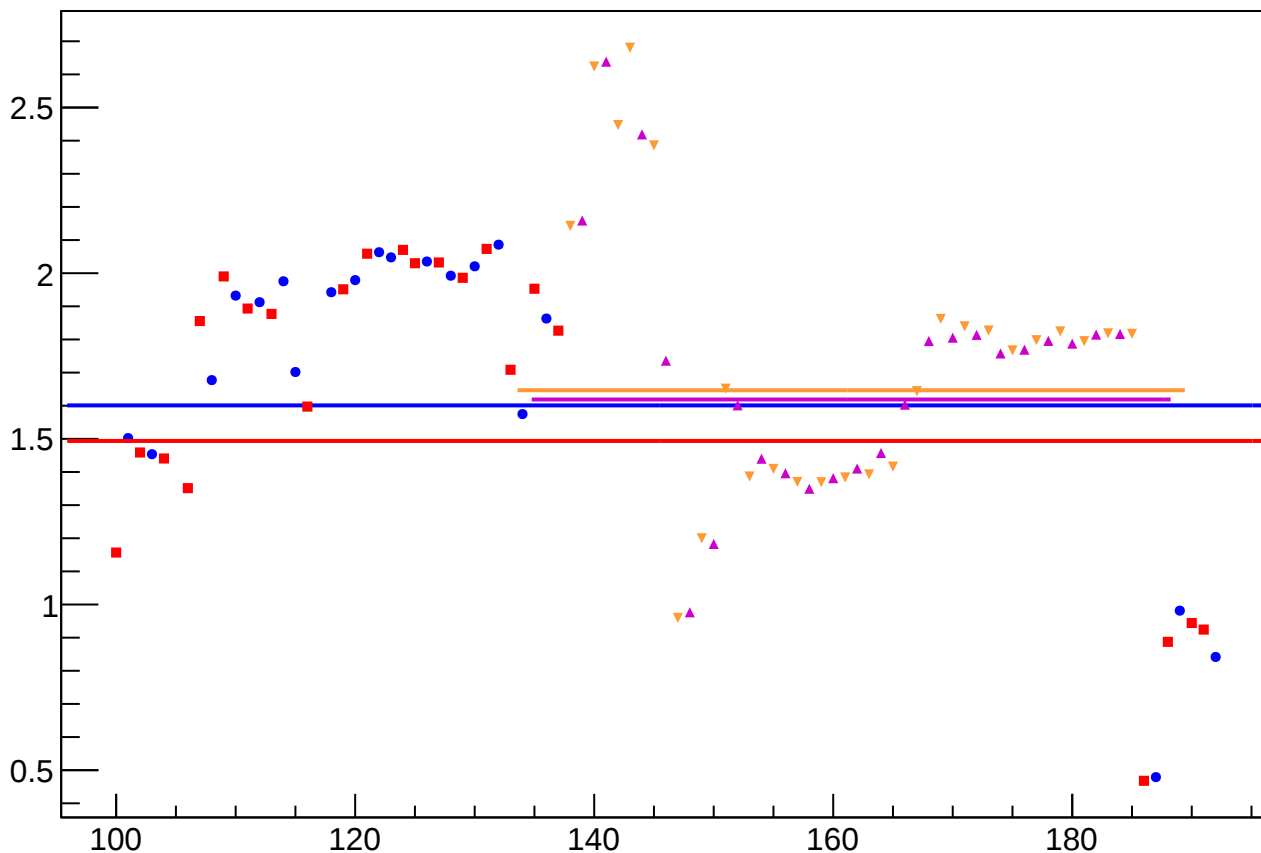
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.085 $\pm$ 0.000 χ^2 /NDF: 398378.0/44

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 804980.1/90

- sign 0.086 $\pm$ 0.000 χ^2 /NDF: 405026.2/45

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: 1.494 $\pm$ 0.000 χ^2 /NDF: 8259516611.4/22

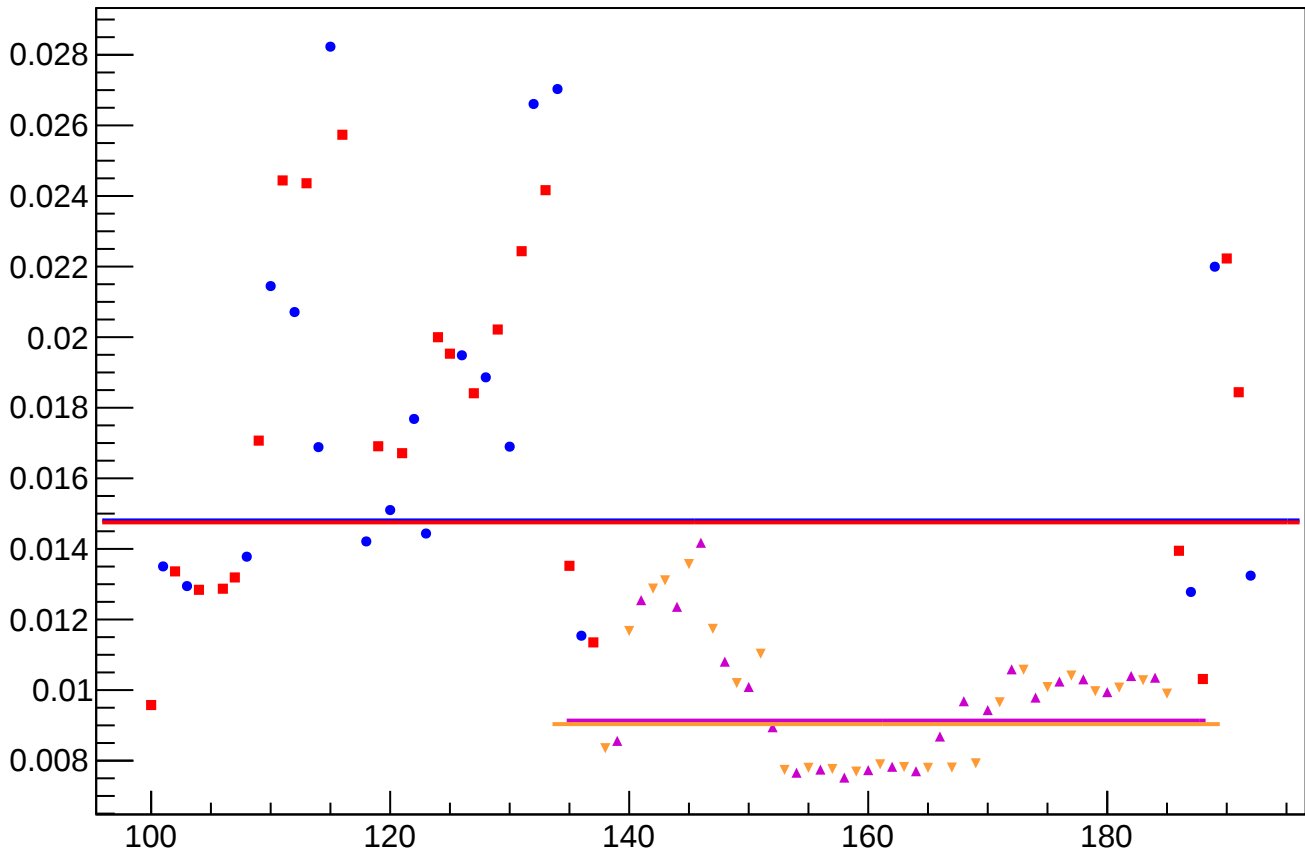
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.641 $\pm$ 0.000 χ^2 /NDF: 33037798395.2/44

All: 1.621 $\pm$ 0.000 χ^2 /NDF: 62561531513.4/9

- sign 1.600 $\pm$ 0.000 χ^2 /NDF: 29330771559.9/45

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 765073.1/19

Left Out: 0.009+/-0.000 χ^2/NDF :1042871.8/24

Right Out: 0.015+/-0.000 χ^2/NDF : 1180338.8/22

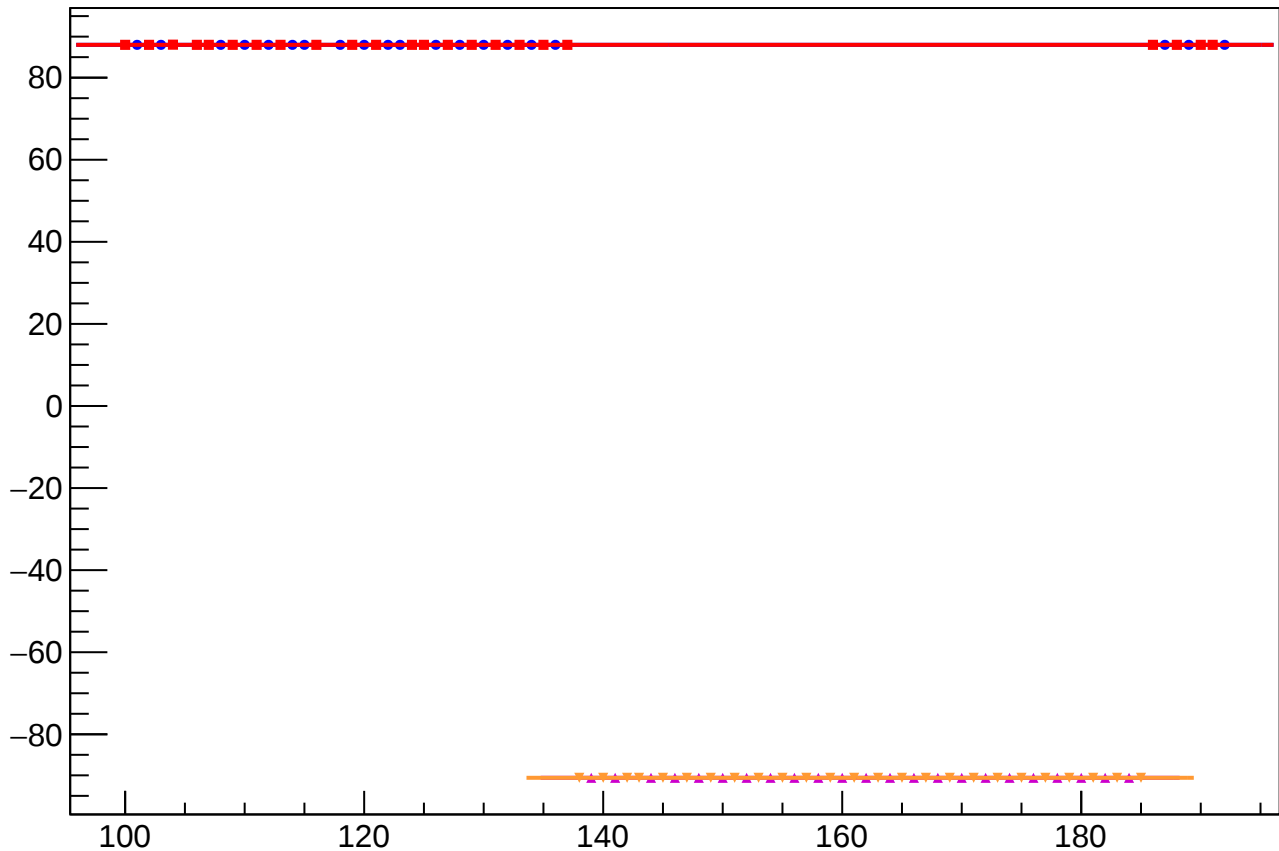
Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3679253.6/44

All: 0.010+/-0.000 χ^2/NDF : 7572213.1/90

- sign 0.010+/-0.000 χ^2/NDF : 3886235.7/45

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: 78789097638526254146188738560.0/22

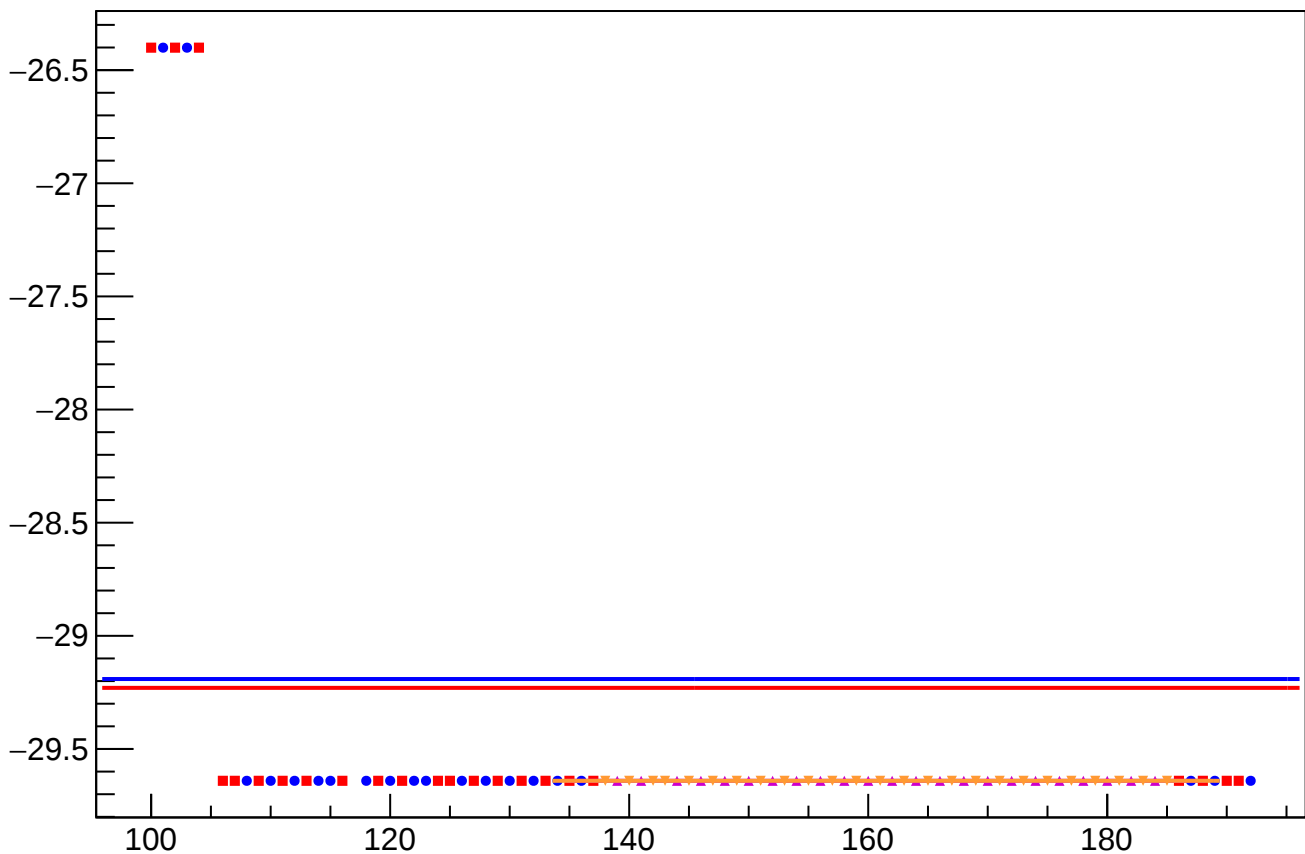
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -35.496 $\pm$ 0.000 χ^2 /NDF: 187480115172413

All: -32.928 $\pm$ 0.000 χ^2 /NDF: 381208663079

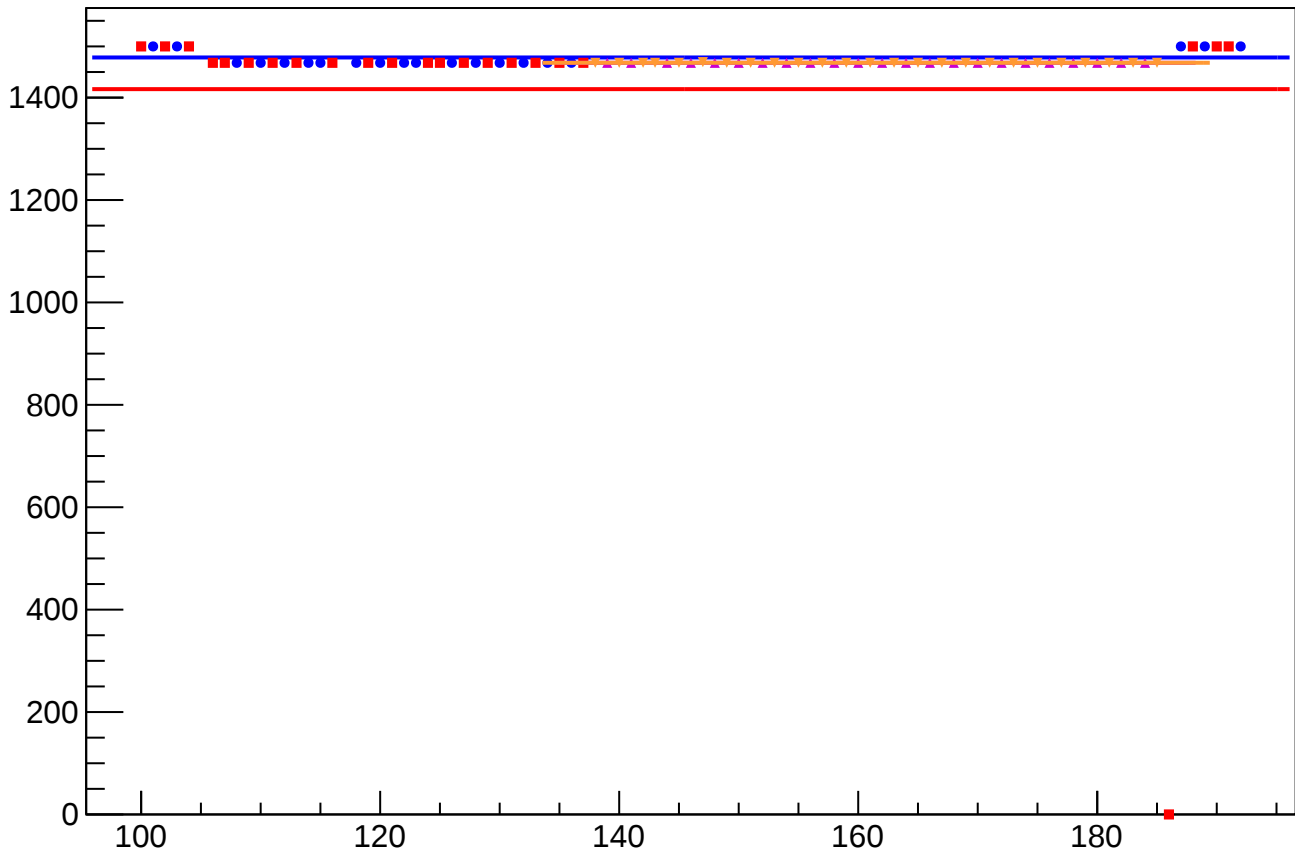
- sign -30.319 $\pm$ 0.000 χ^2 /NDF: 193362291419093

epics_HWienAngles_mean vs Slug



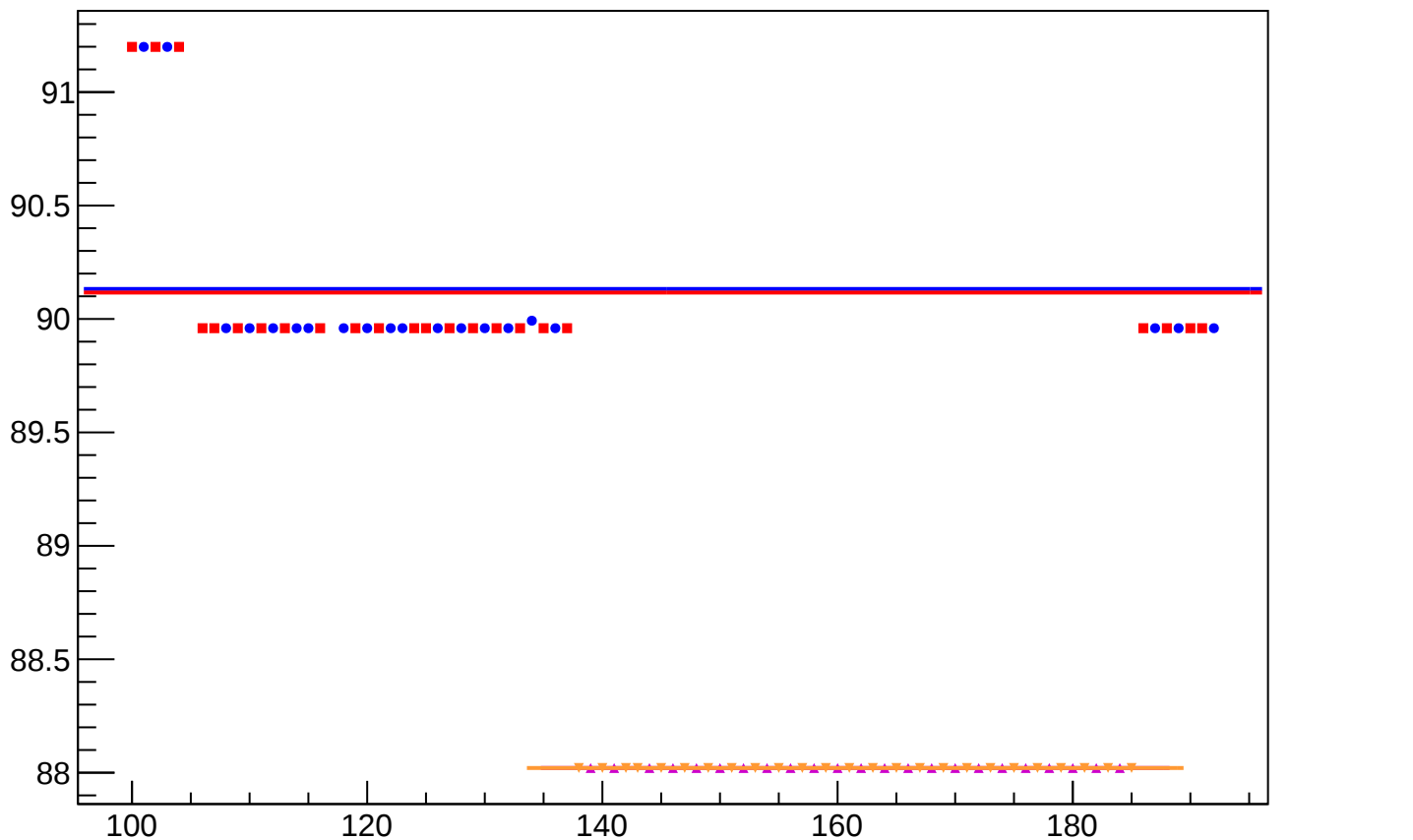
Right In: -29.191+/-0.000 χ^2/NDF : 1066753761882362033178054492160000.0/19
 Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24 + sign -29.502+/-0.000 χ^2/NDF : 118566105321232
 Right Out: -29.230+/-0.000 χ^2/NDF : 1063343779672136362954024630091776.0/22 All: -29.502+/-0.000 χ^2/NDF : 235127802941
 Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22 - sign -29.502+/-0.000 χ^2/NDF : 1165616950202853

epics_psub_pl_poss_mean vs Slug



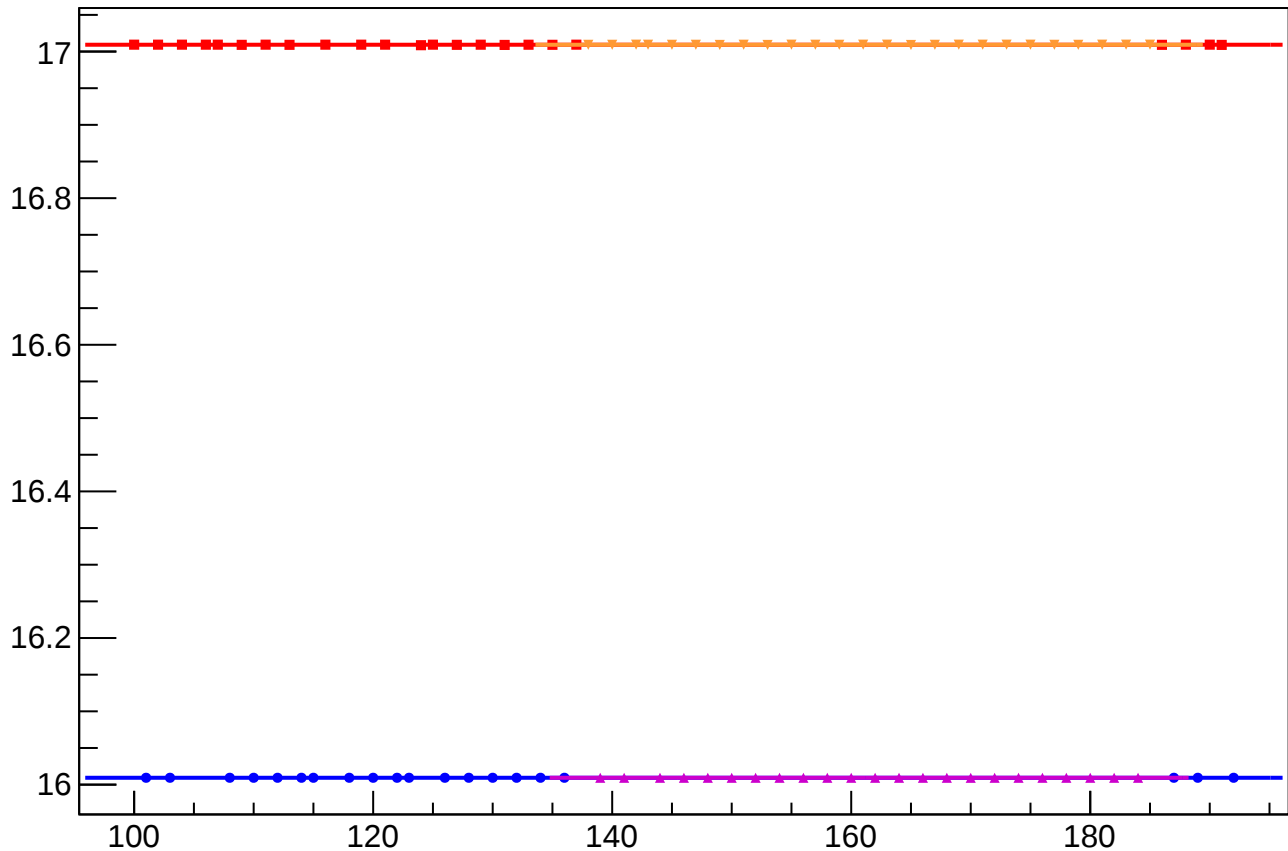
Right In: 1478.415+/-0.000 χ^2/NDF : 191468028823888560735456011933974528.0/19
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24
 Right Out: 1416.568+/-0.000 χ^2/NDF : 79749059554397743060798330225043701760.0/22
 Left In: 1467.994+/-0.000 χ^2/NDF : 14449772795444989723550941184.0/22
 All: 1461.025+/-0.000 χ^2/NDF : 82187267387
 + sign 1471.246+/-0.000 χ^2/NDF : 25475937612958
 - sign 1450.637+/-0.000 χ^2/NDF : 81352130344667

epics_Phi_FGs_mean vs Slug



Right In: 90.132+/-0.000 χ^2/NDF : 156032531019081029898158829731840.0/19
 Left Out: 88.021+/-0.000 χ^2/NDF : 5679798.5/24
 Right Out: 90.116+/-0.000 χ^2/NDF : 155749637595660180966002632163328.0/22
 Left In: 88.021+/-0.000 χ^2/NDF : 6257169.0/22

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 ± 0.000 $\chi^2/\text{NDF}: 114063.0/19$

Left Out: 17.009 ± 0.000 $\chi^2/\text{NDF}: 26194929080144976634970112.0/24$

Right Out: 17.009 ± 0.000 $\chi^2/\text{NDF}: 15226959493261890561245184.0/22$

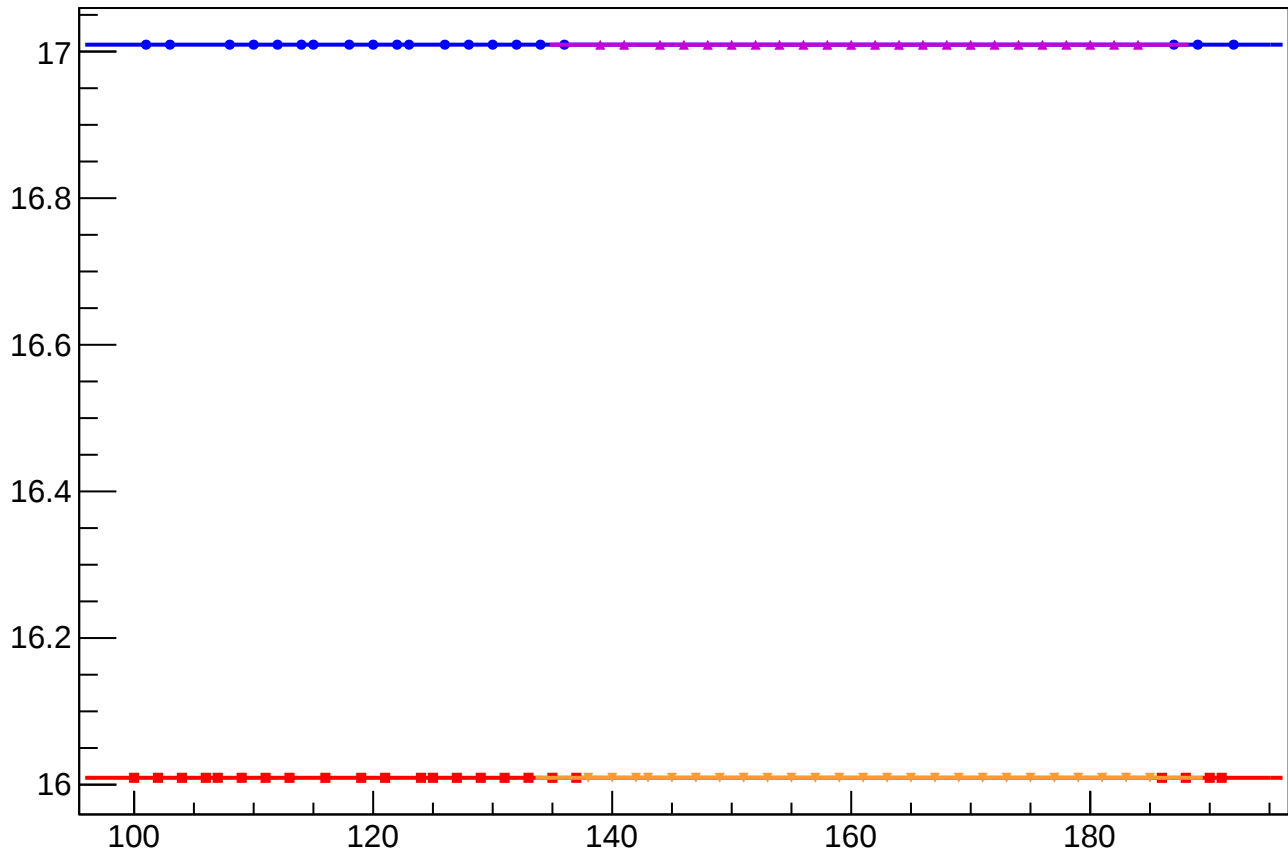
Left In: 16.009 ± 0.000 $\chi^2/\text{NDF}: 127920993667935400624128.0/22$

+ sign 16.693 ± 0.000 $\chi^2/\text{NDF}: 5593288679060804$

All: 16.522 ± 0.000 $\chi^2/\text{NDF}: 1274888012889$

- sign 16.346 ± 0.000 $\chi^2/\text{NDF}: 5620902818892502$

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 198868.7/19

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 61253.5/24

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 213825.5/22

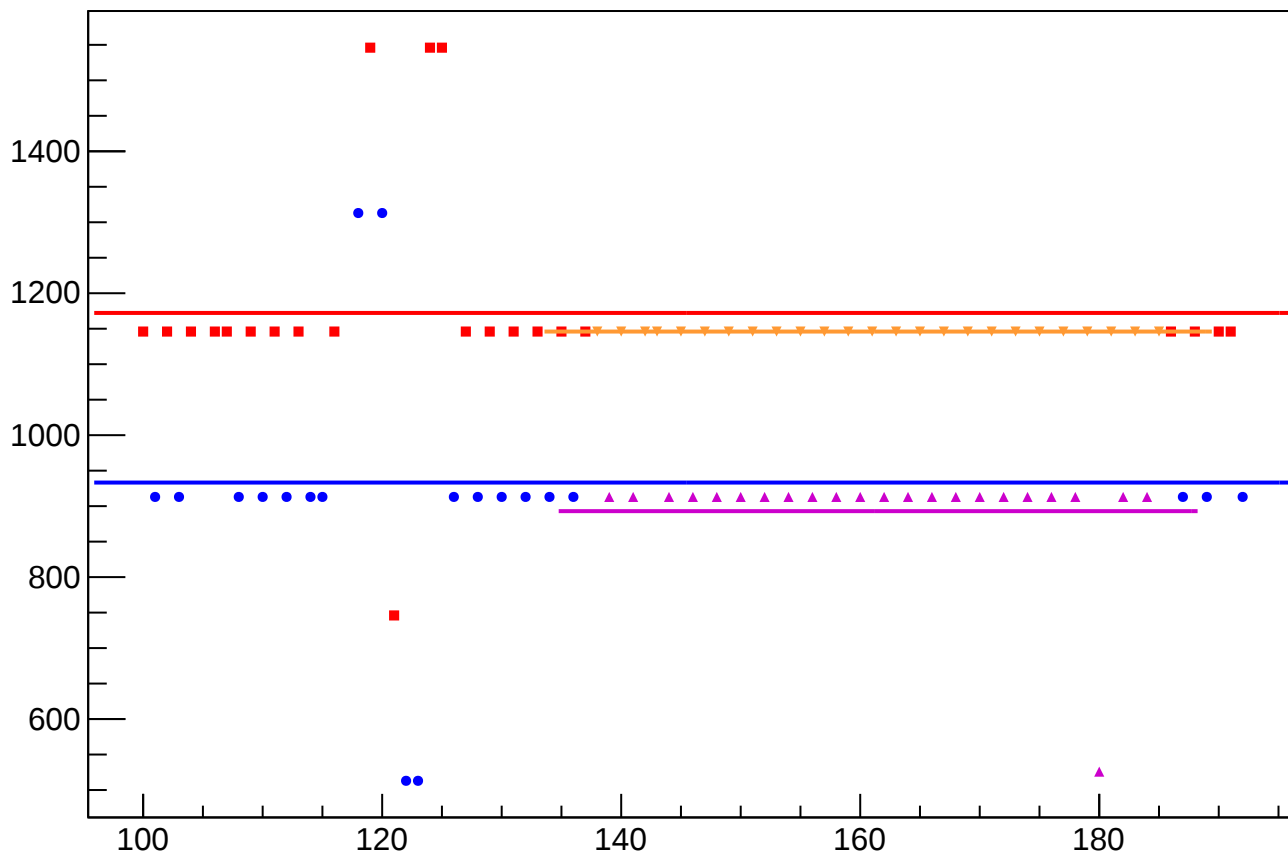
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 114986101427233622065152.0/22

+ sign 16.312 $\pm$ 0.000 χ^2 /NDF: 5700844757317430

All: 16.489 $\pm$ 0.000 χ^2 /NDF: 1337238441468

- sign 16.668 $\pm$ 0.000 χ^2 /NDF: 5979324277212076

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 933.230+/-0.000 χ^2/NDF : 20933291733432367671964991969506099200.0/19

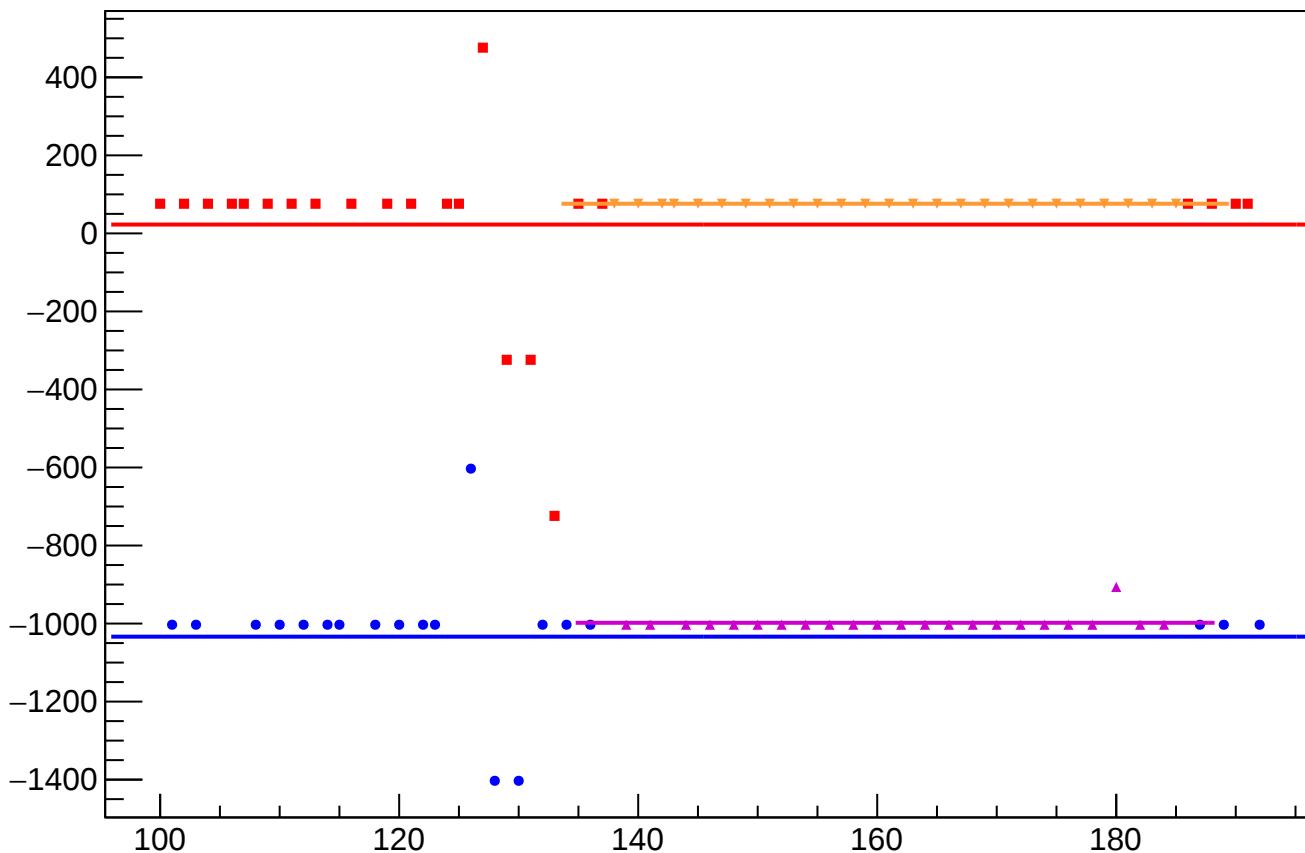
Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

Right Out: 1172.239+/-0.000 χ^2/NDF : 21451208460825940475473257963423006720.0/22

Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

All: 1034.163+/-0.000 χ^2/NDF : 14134779081422589138

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: 22.677+/-0.000 χ^2/NDF : 44437041410482396857841751146840981504.0/22 All: -458.354+/-0.000 χ^2/NDF : 16275903928

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22 - sign -653.493+/-0.000 χ^2/NDF : 676738022257920