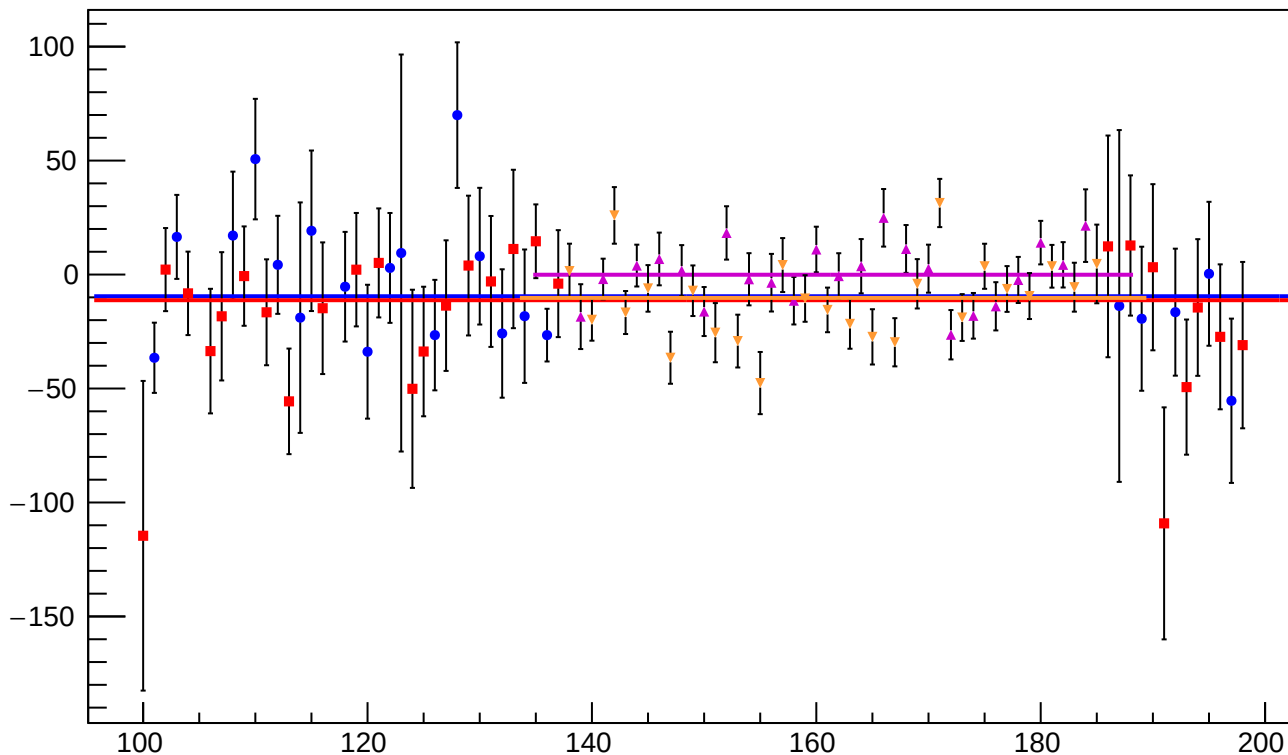


diff_bpm4aX_mean vs Slug



Right In: -9.518 ± 5.278

χ^2/NDF : 24.8/21

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -11.253 ± 5.162

χ^2/NDF : 20.1/26

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -10.134 ± 2.007

χ^2/NDF : 82.9/46

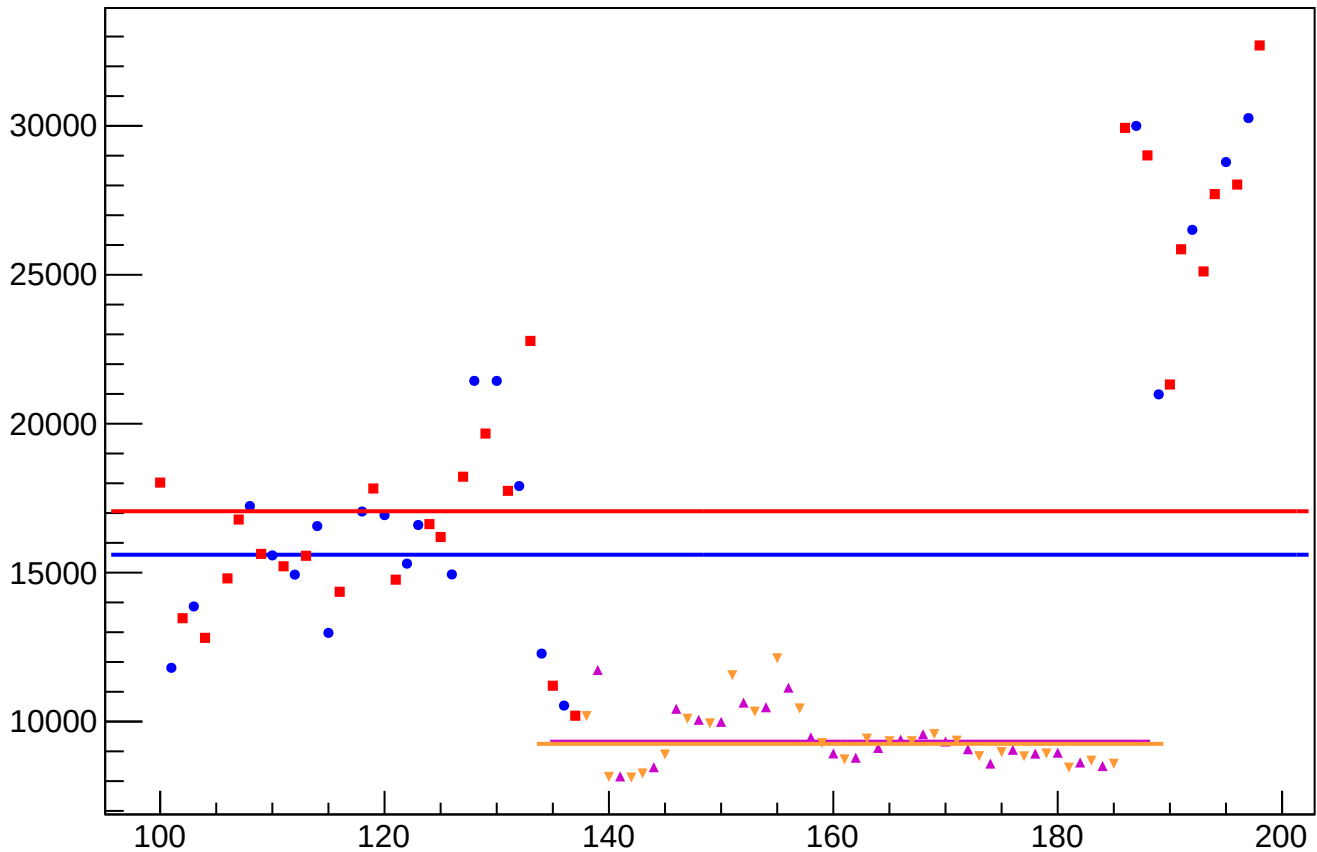
All: -6.113 ± 1.439

χ^2/NDF : 145.1/96

- sign -1.865 ± 2.063

χ^2/NDF : 53.9/49

diff_bpm4aX_rms vs Slug



Right In: 15601.478+/-3.732 χ^2/NDF : 1852783.1/21

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

Right Out: 17061.205+/-3.650 χ^2/NDF : 2308991.0/26

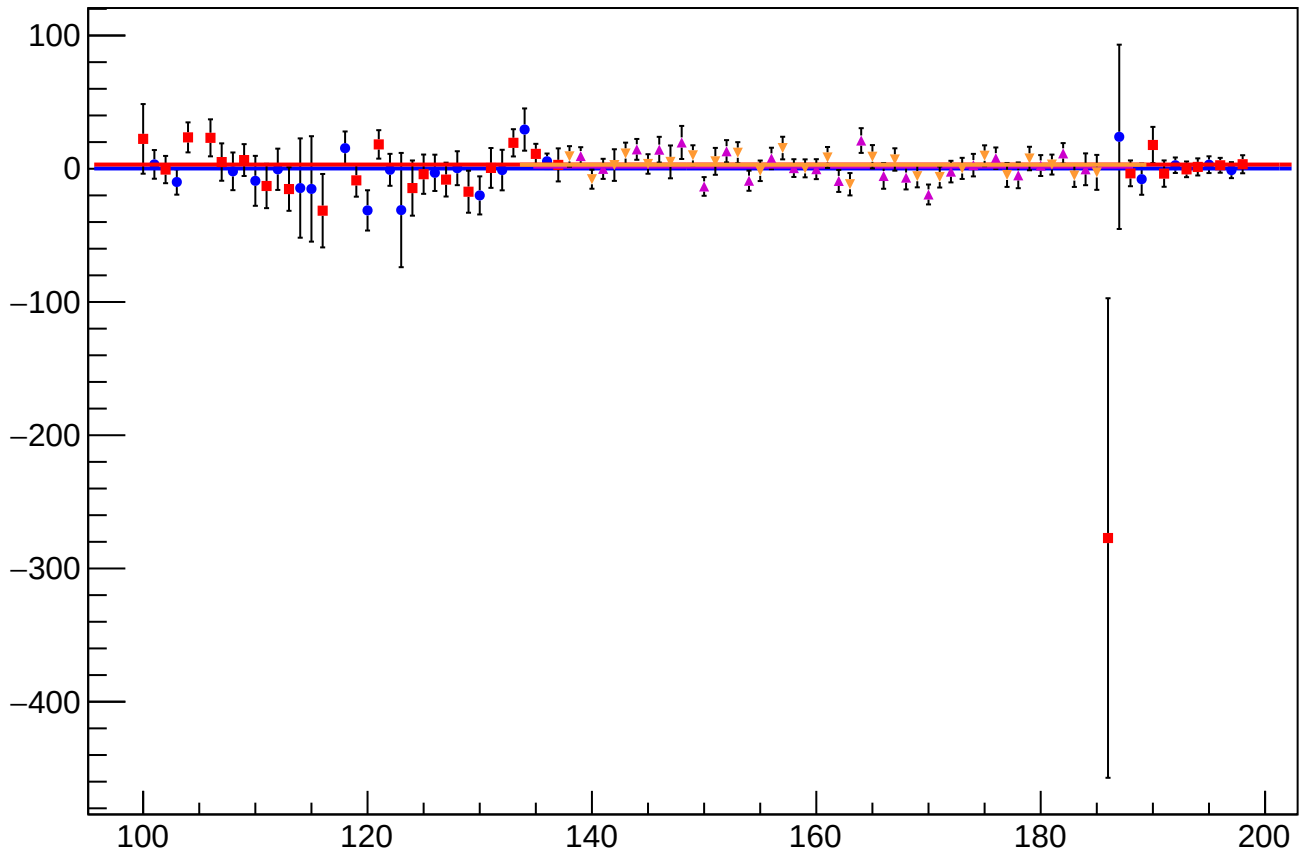
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

+ sign 10170.123+/-1.419 χ^2/NDF : 4661143.7/46

All: 10359.542+/-1.017 χ^2/NDF : 11057699.5

- sign 10559.648+/-1.459 χ^2/NDF : 6359927.2/49

diff_bpm4aY_mean vs Slug



Right In: 0.210 $\pm$ 2.261 χ^2/NDF : 15.5/21

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

Right Out: 3.151 $\pm$ 2.004 χ^2/NDF : 25.0/26

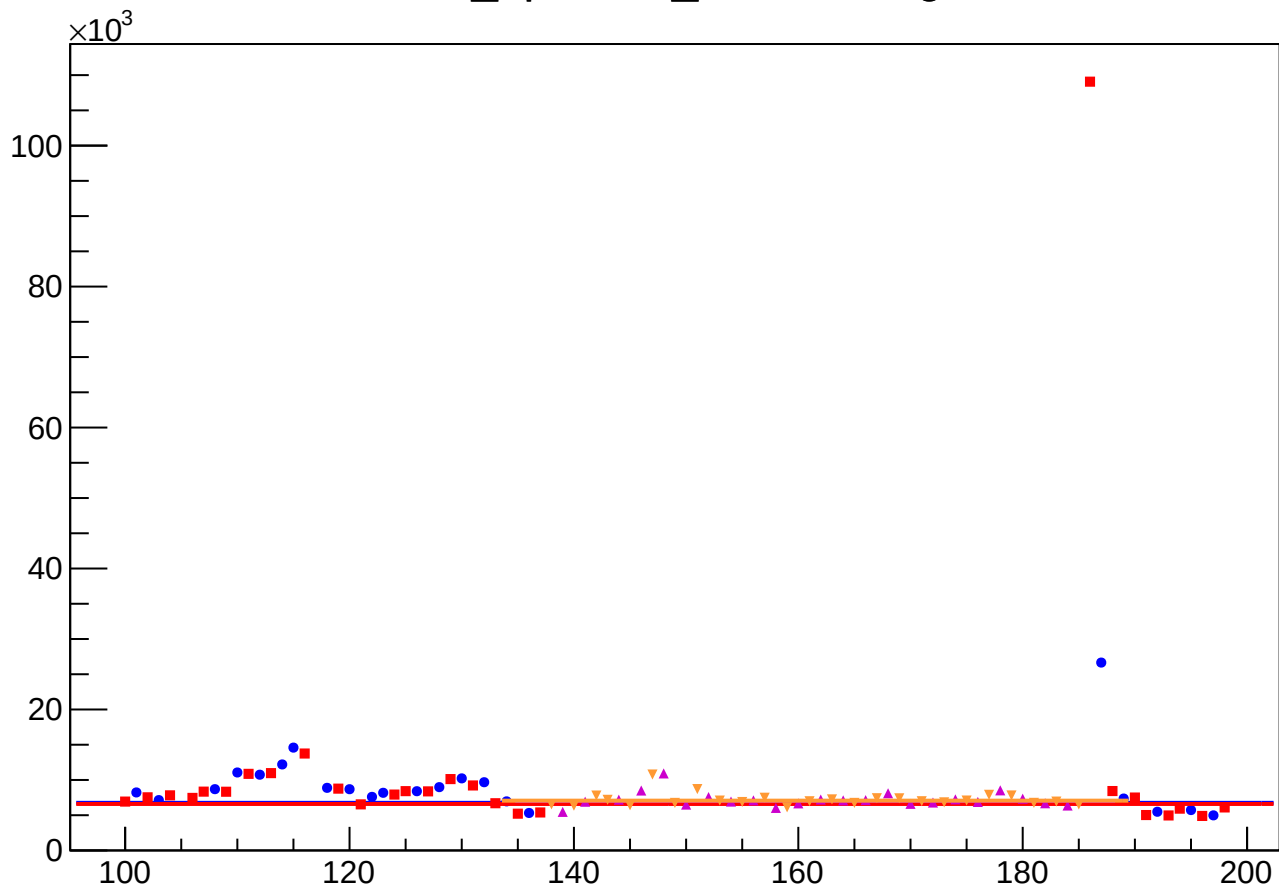
Left In: 1.588 $\pm$ 1.703 χ^2/NDF :35.5/22

+ sign 2.040 $\pm$ 1.338 χ^2/NDF : 35.1/46

All: 2.145 $\pm$ 0.932 χ^2/NDF : 95.9/96

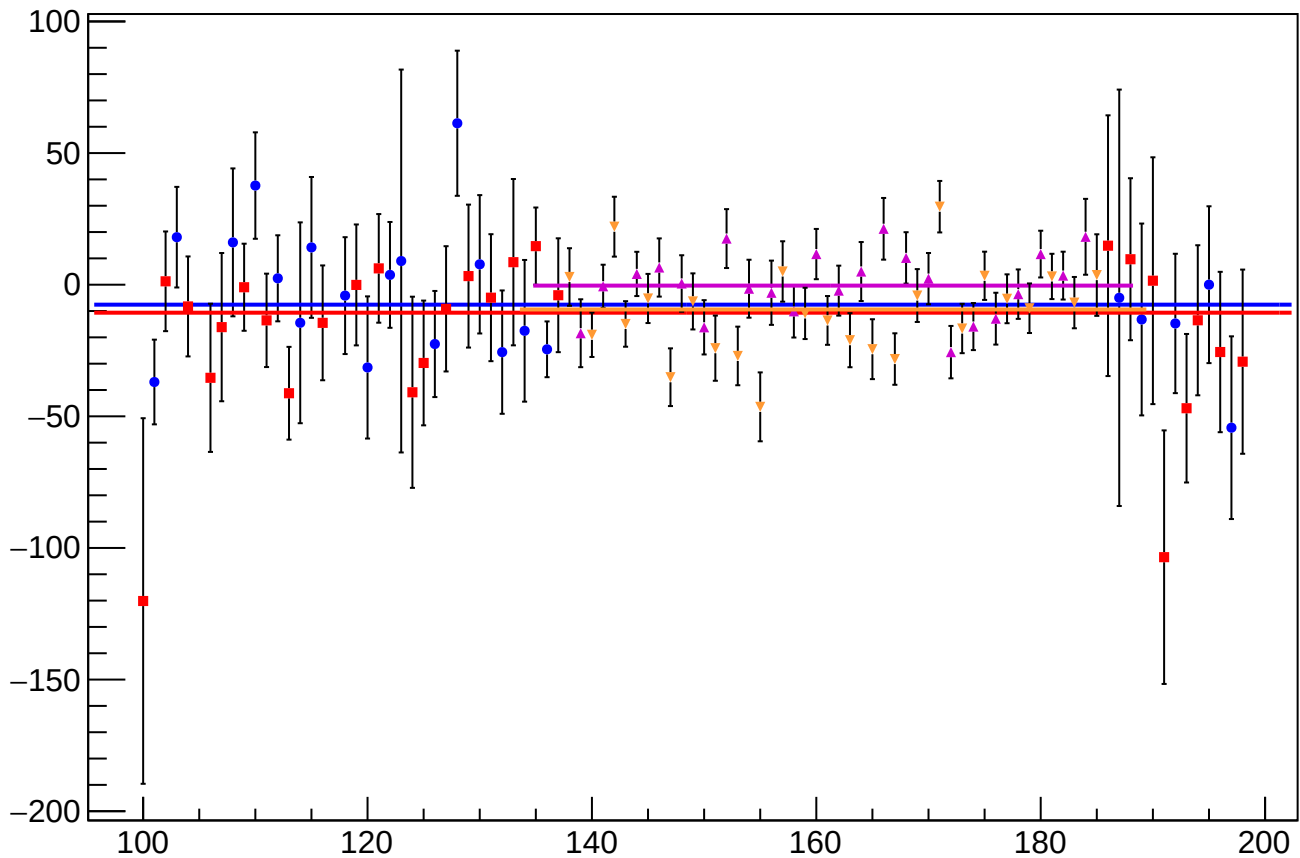
- sign 2.243 $\pm$ 1.298 χ^2/NDF : 60.8/49

diff_bpm4aY_rms vs Slug



Right In: 6755.436 ± 1.599 $\chi^2/\text{NDF}: 1438875.2/21$ + sign 6956.168 ± 0.946 $\chi^2/\text{NDF}: 1849960.9/46$
 Left Out: 7064.457 ± 1.174 $\chi^2/\text{NDF}: 386814.9/24$ All: 6896.084 ± 0.659 $\chi^2/\text{NDF}: 4506281.1/96$
 Right Out: 6597.088 ± 1.417 $\chi^2/\text{NDF}: 2072787.5/26$ - sign 6839.601 ± 0.918 $\chi^2/\text{NDF}: 2648500.0/49$
 Left In: 7014.572 ± 1.204 $\chi^2/\text{NDF}: 525313.7/22$

diff_bpm4eX_mean vs Slug



Right In: -7.582 ± 4.776 χ^2/NDF : 25.5/21

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

Right Out: -10.633 ± 4.633 χ^2/NDF : 19.8/26

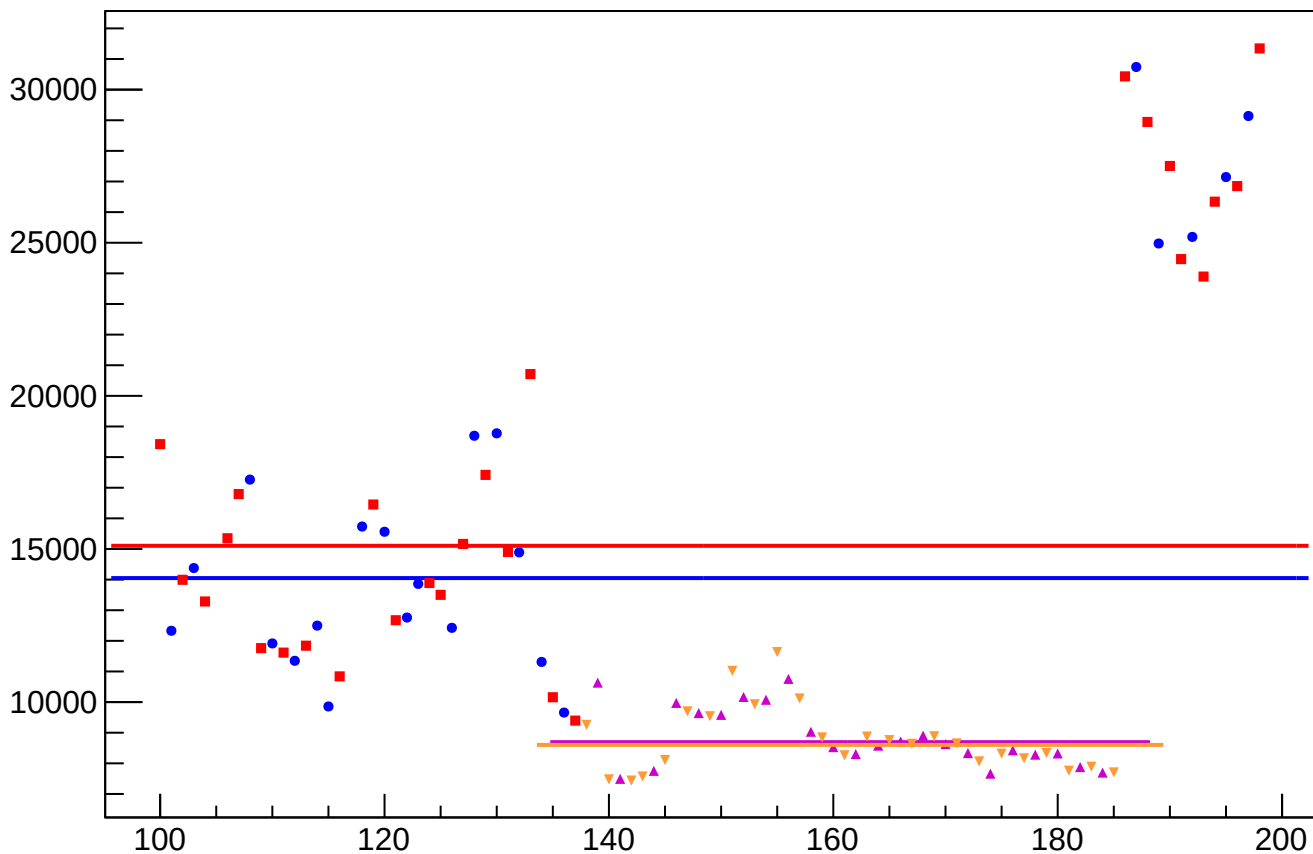
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.133 ± 1.861 χ^2/NDF : 84.4/46

All: -5.713 ± 1.334 χ^2/NDF : 145.1/96

- sign -2.098 ± 1.913 χ^2/NDF : 53.8/49

diff_bpm4eX_rms vs Slug



Right In: 14049.422+/-3.377 χ^2/NDF : 2094368.5/21

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

Right Out: 15103.788+/-3.276 χ^2/NDF : 2876869.7/26

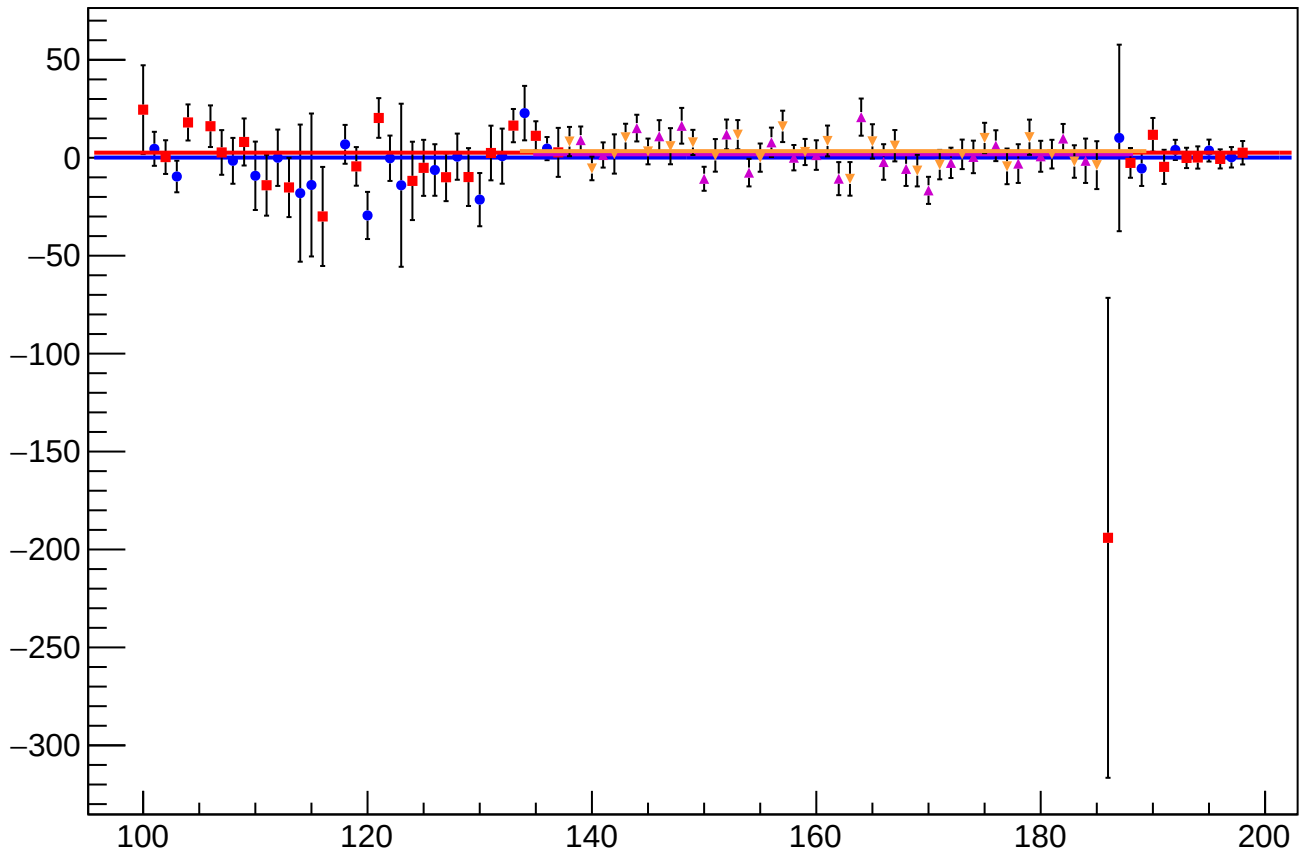
Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

+ sign 9429.553+/-1.316 χ^2/NDF : 4739925.4/46

All: 9602.235+/-0.943 χ^2/NDF : 11195979.3/50

- sign 9784.671+/-1.353 χ^2/NDF : 6420649.0/49

diff_bpm4eY_mean vs Slug



Right In: 0.097 ± 2.010 χ^2/NDF : 16.5/21

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

Right Out: 2.598 ± 1.754 χ^2/NDF : 25.7/26

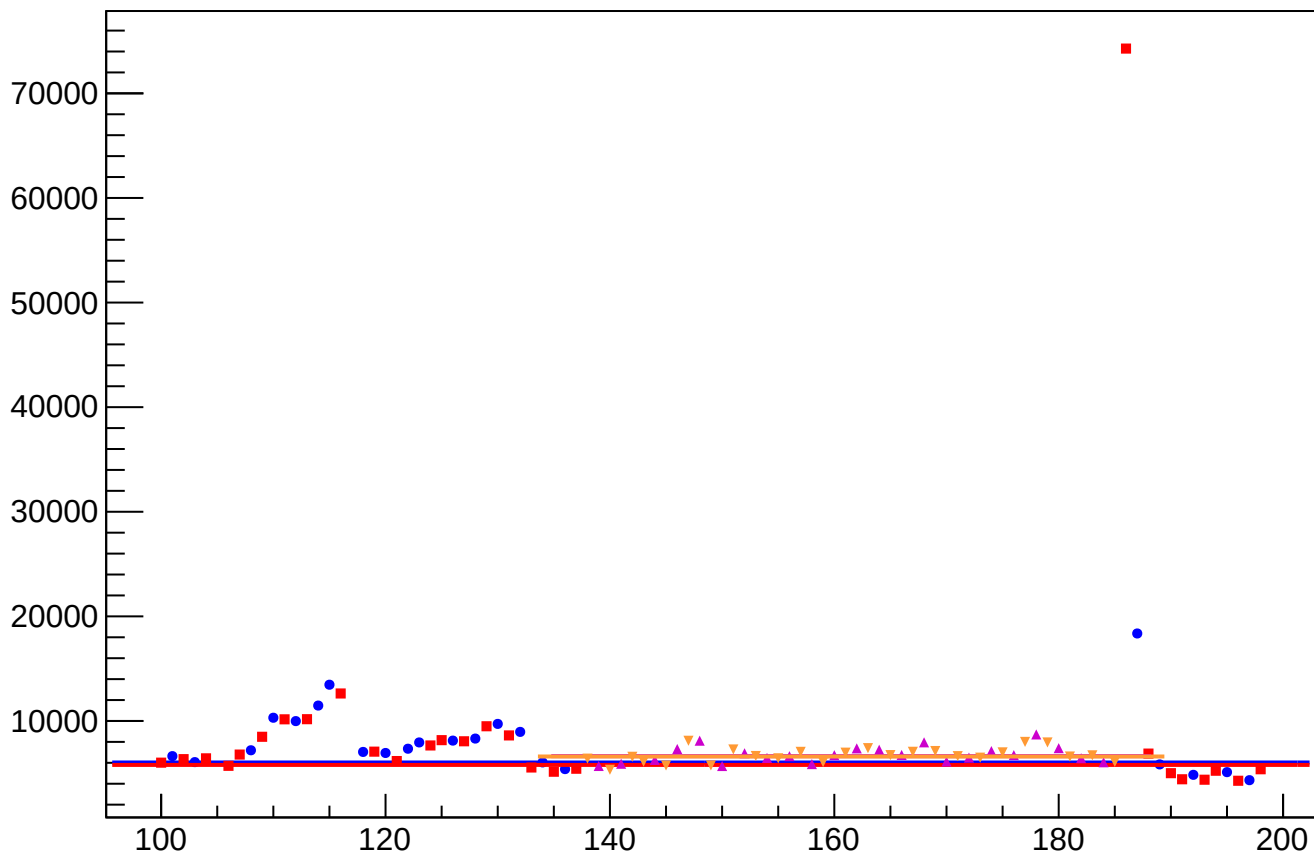
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.150 ± 1.228 χ^2/NDF : 35.3/46

All: 2.145 ± 0.853 χ^2/NDF : 94.6/96

- sign 2.140 ± 1.185 χ^2/NDF : 59.3/49

diff_bpm4eY_rms vs Slug



Right In: 6030.951 ± 1.421 $\chi^2/\text{NDF}: 1381806.1/21$

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

Right Out: 5799.009 ± 1.240 $\chi^2/\text{NDF}: 2107842.1/26$

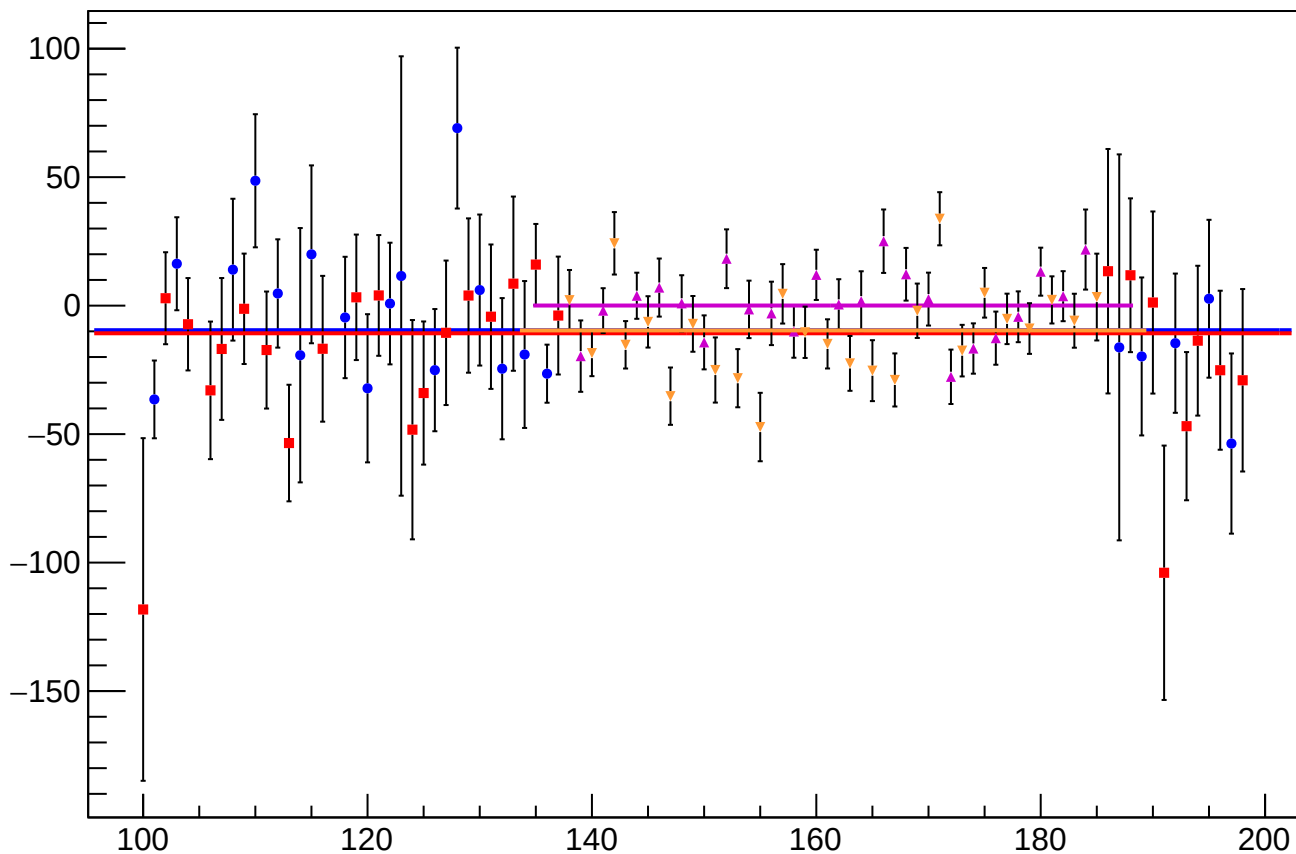
Left In: 6637.155 ± 1.136 $\chi^2/\text{NDF}: 415547.5/22$

+ sign 6389.988 ± 0.869 $\chi^2/\text{NDF}: 1878879.1/46$

All: 6319.852 ± 0.603 $\chi^2/\text{NDF}: 4663174.0/96$

- sign 6254.603 ± 0.838 $\chi^2/\text{NDF}: 2771708.9/49$

diff_bpm4acX_mean vs Slug



Right In: -9.559 ± 5.169 χ^2/NDF : 24.7/21

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

Right Out: -10.760 ± 5.054 χ^2/NDF : 20.1/26

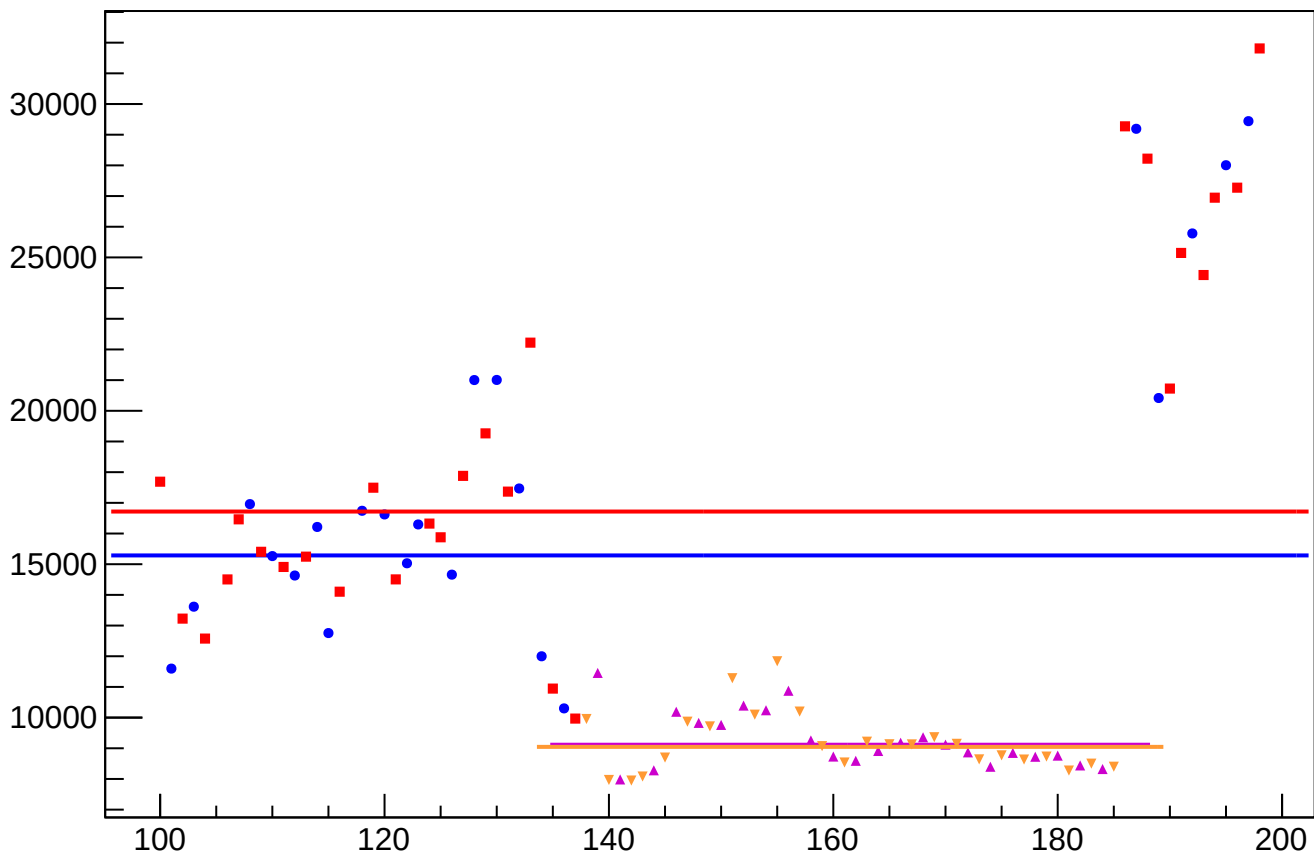
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -9.628 ± 1.963 χ^2/NDF : 84.6/46

All: -5.762 ± 1.407 χ^2/NDF : 147.3/96

- sign -1.679 ± 2.017 χ^2/NDF : 54.7/49

diff_bpm4acX_rms vs Slug



Right In: 15285.998 ± 3.655 χ^2/NDF : 1834583.8/21

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

Right Out: 16716.482 ± 3.574 χ^2/NDF : 2276596.5/26

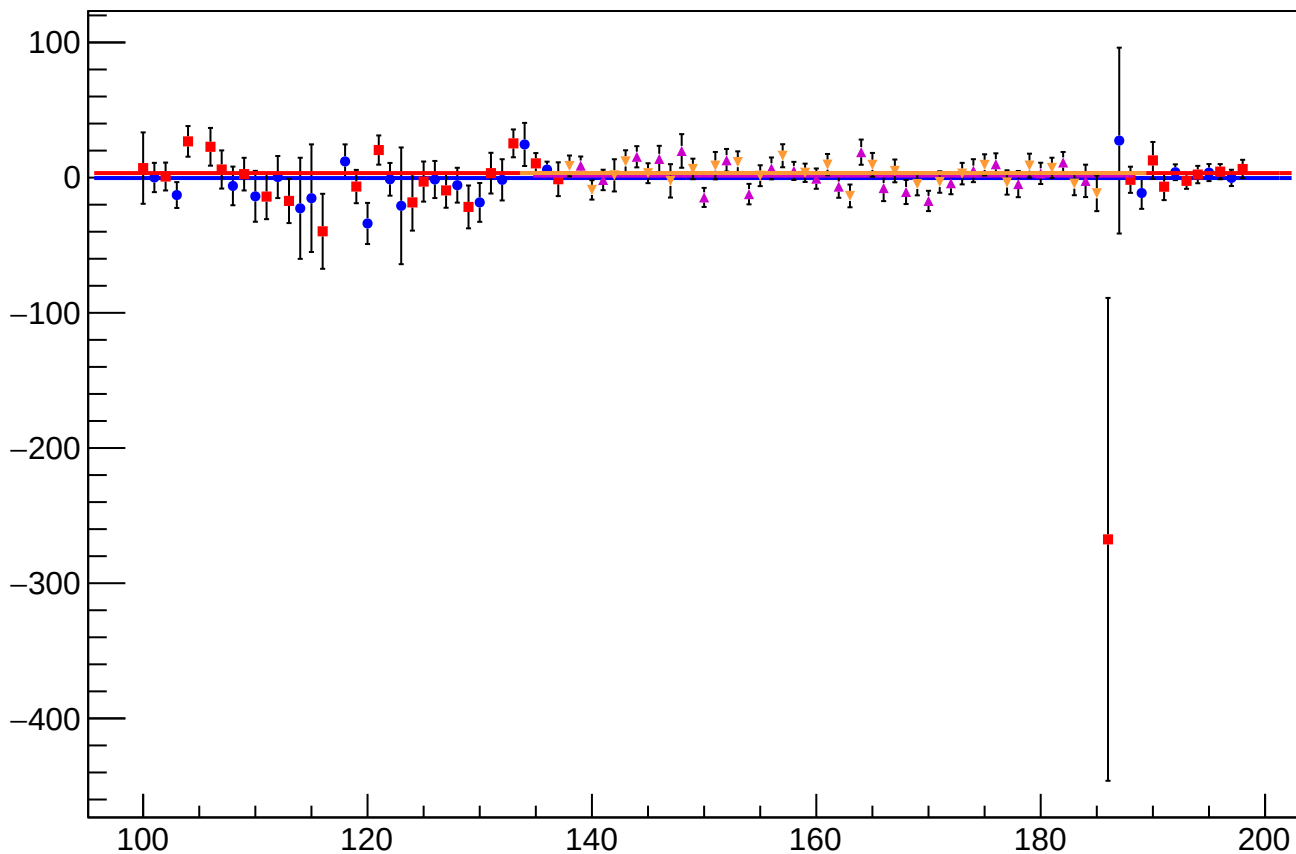
Left In: 9115.817 ± 1.556 χ^2/NDF : 272471.8/22

+ sign 9945.797 ± 1.388 χ^2/NDF : 4657955.3/46

All: 10131.000 ± 0.995 χ^2/NDF : 11046038.7

- sign 10326.632 ± 1.426 χ^2/NDF : 6351467.8/49

diff_bpm4acY_mean vs Slug



Right In: -0.313 ± 2.273 $\chi^2/\text{NDF}: 16.3/21$

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

Right Out: 3.363 ± 2.015 $\chi^2/\text{NDF}: 30.1/26$

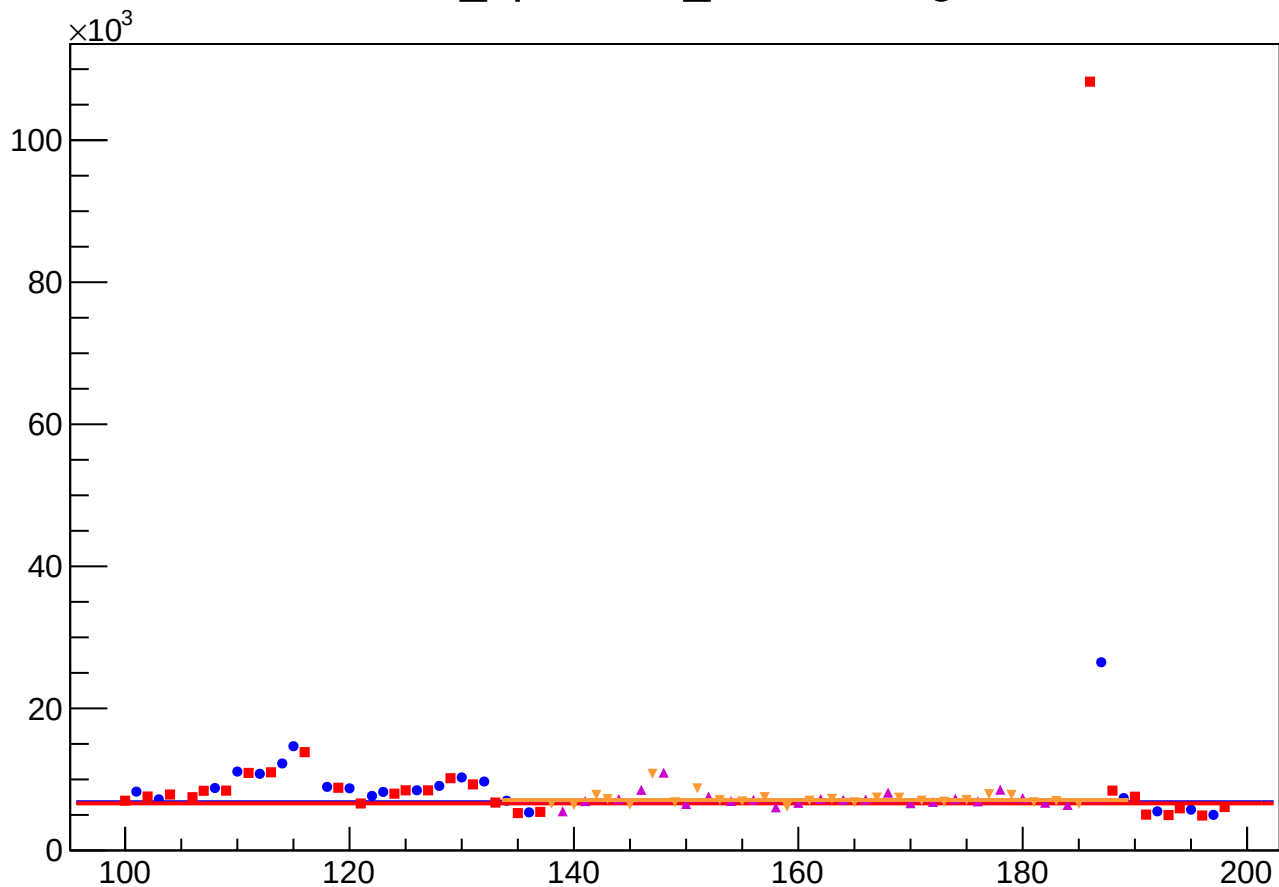
Left In: 1.479 ± 1.710 $\chi^2/\text{NDF}: 36.7/22$

+ sign 2.092 ± 1.345 $\chi^2/\text{NDF}: 37.4/46$

All: 2.183 ± 0.936 $\chi^2/\text{NDF}: 104.8/96$

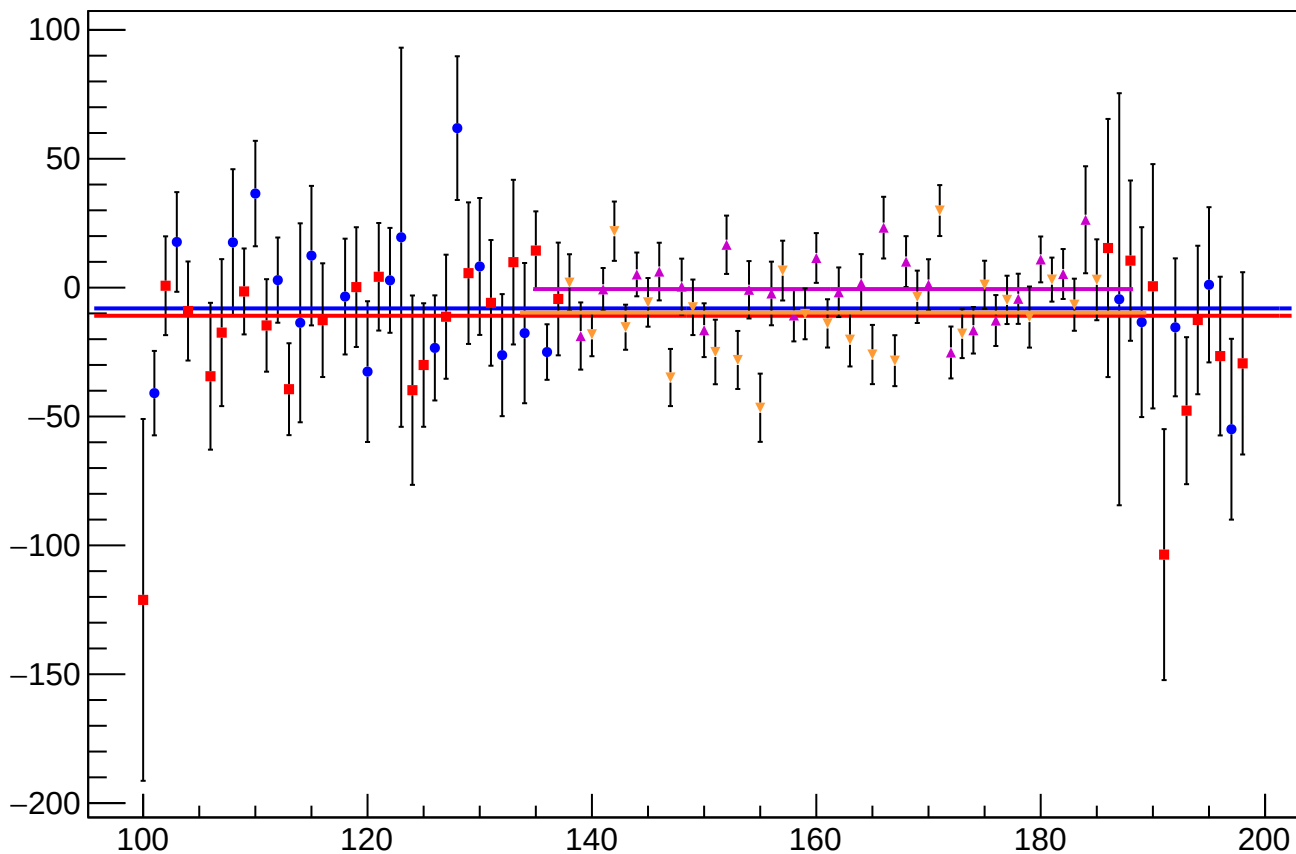
- sign 2.268 ± 1.304 $\chi^2/\text{NDF}: 67.4/49$

diff_bpm4acY_rms vs Slug



Right In: 6790.813 ± 1.607	$\chi^2/\text{NDF}: 1444139.5/21$	+ sign 6989.400 ± 0.951	$\chi^2/\text{NDF}: 1849576.1/46$
Left Out: 7096.350 ± 1.179	$\chi^2/\text{NDF}: 381942.1/24$	All: 6929.429 ± 0.662	$\chi^2/\text{NDF}: 4501520.2/96$
Right Out: 6631.297 ± 1.425	$\chi^2/\text{NDF}: 2077236.0/26$	- sign 6873.046 ± 0.922	$\chi^2/\text{NDF}: 2644225.2/49$
Left In: 7047.269 ± 1.209	$\chi^2/\text{NDF}: 517433.5/22$		

diff_bpm4ecX_mean vs Slug



Right In: -8.056 ± 4.839 χ^2/NDF : 26.1/21

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

Right Out: -10.911 ± 4.696 χ^2/NDF : 18.8/26

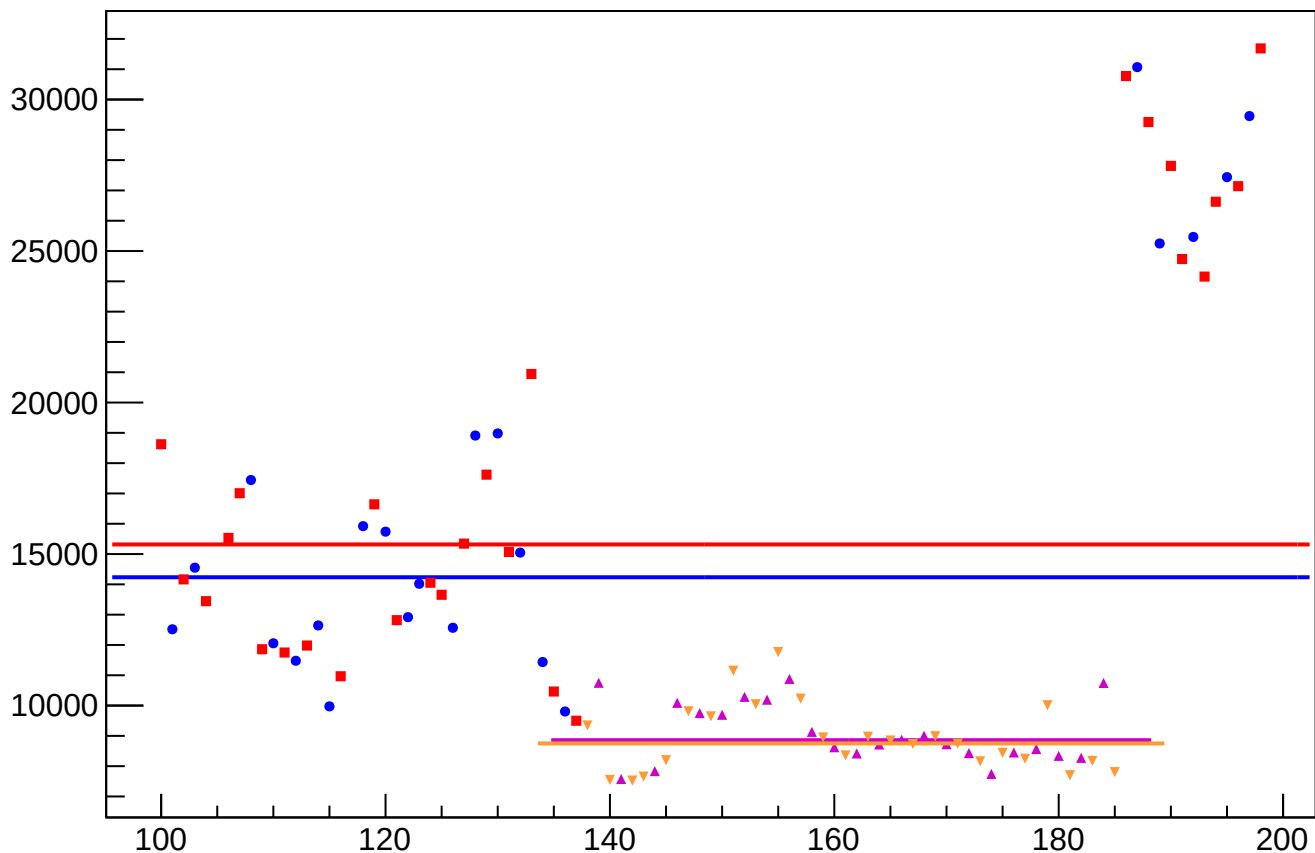
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.422 ± 1.896 χ^2/NDF : 84.1/46

All: -5.985 ± 1.359 χ^2/NDF : 143.4/96

- sign -2.348 ± 1.950 χ^2/NDF : 52.6/49

diff_bpm4ecX_rms vs Slug



Right In: 14234.588+/-3.421 χ^2/NDF : 2080968.8/21

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

Right Out: 15316.884+/-3.321 χ^2/NDF : 2848830.9/26

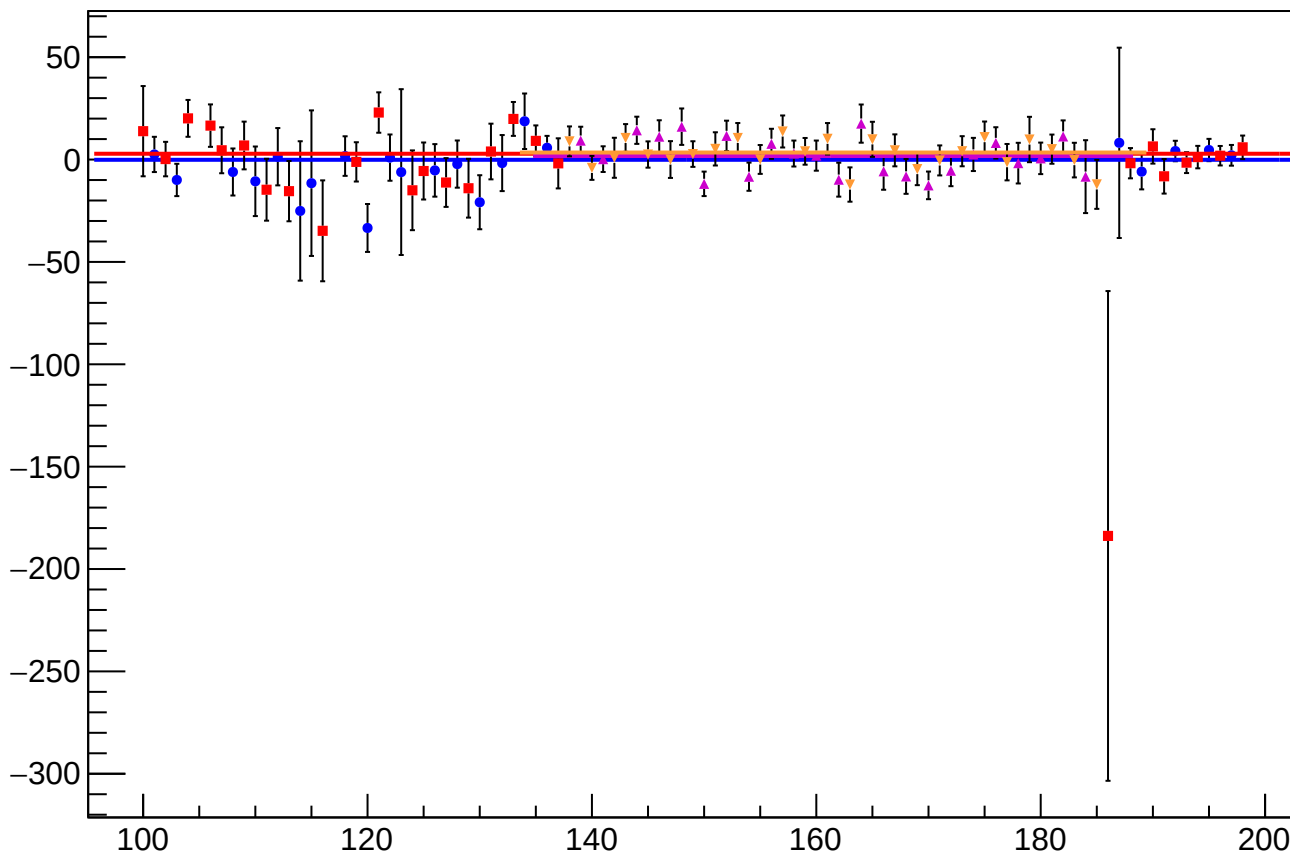
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 9592.364+/-1.341 χ^2/NDF : 4719672.4/46

All: 9776.381+/-0.961 χ^2/NDF : 11100226.0/9

- sign 9971.083+/-1.379 χ^2/NDF : 6341775.1/49

diff_bpm4ecY_mean vs Slug



Right In: -0.117 ± 1.961 χ^2/NDF : 18.9/21

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

Right Out: 2.840 ± 1.711 χ^2/NDF : 30.4/26

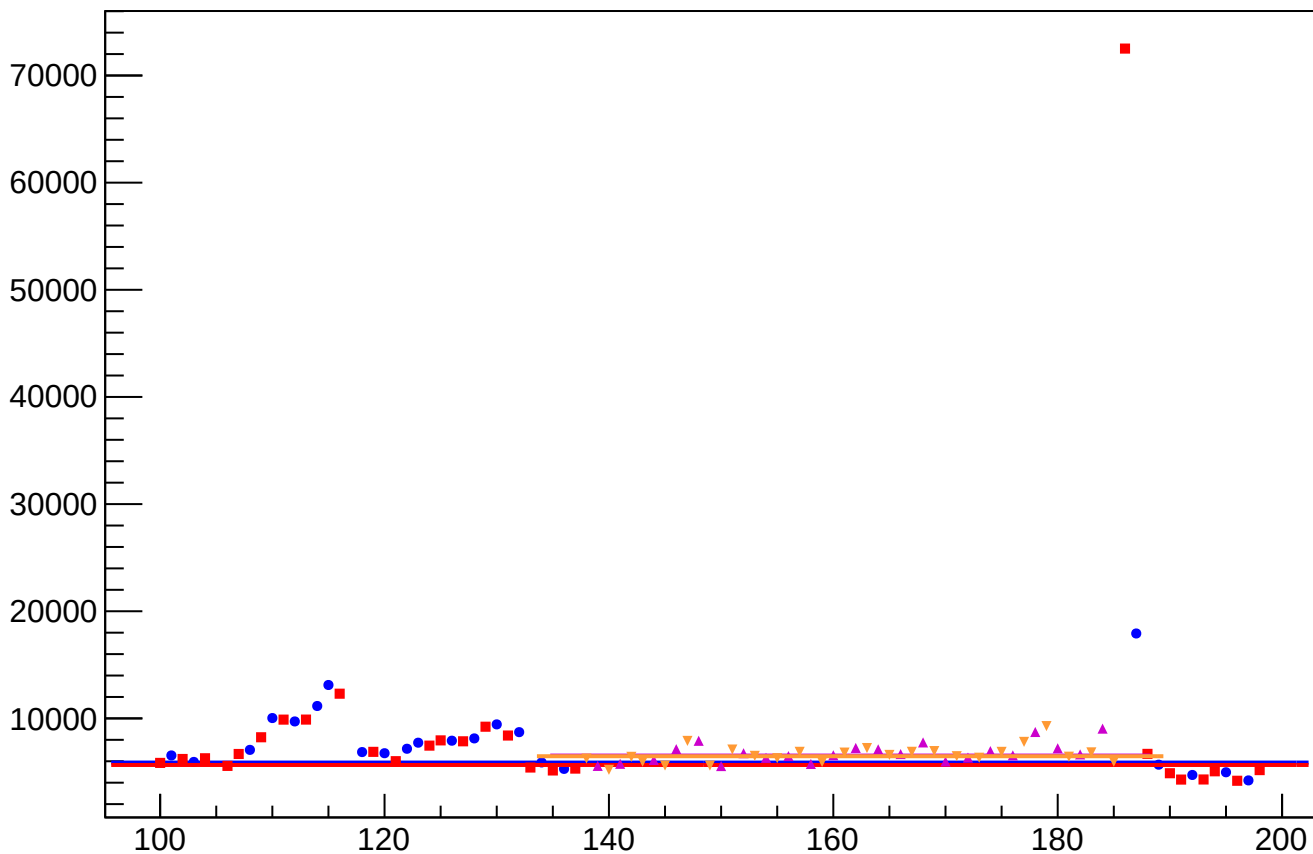
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 2.094 ± 1.204 χ^2/NDF : 37.2/46

All: 2.173 ± 0.837 χ^2/NDF : 101.4/96

- sign 2.246 ± 1.163 χ^2/NDF : 64.2/49

diff_bpm4ecY_rms vs Slug



Right In: 5878.361+/-1.387 χ^2/NDF : 1389772.9/21

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

Right Out: 5653.559+/-1.210 χ^2/NDF : 2099104.8/26

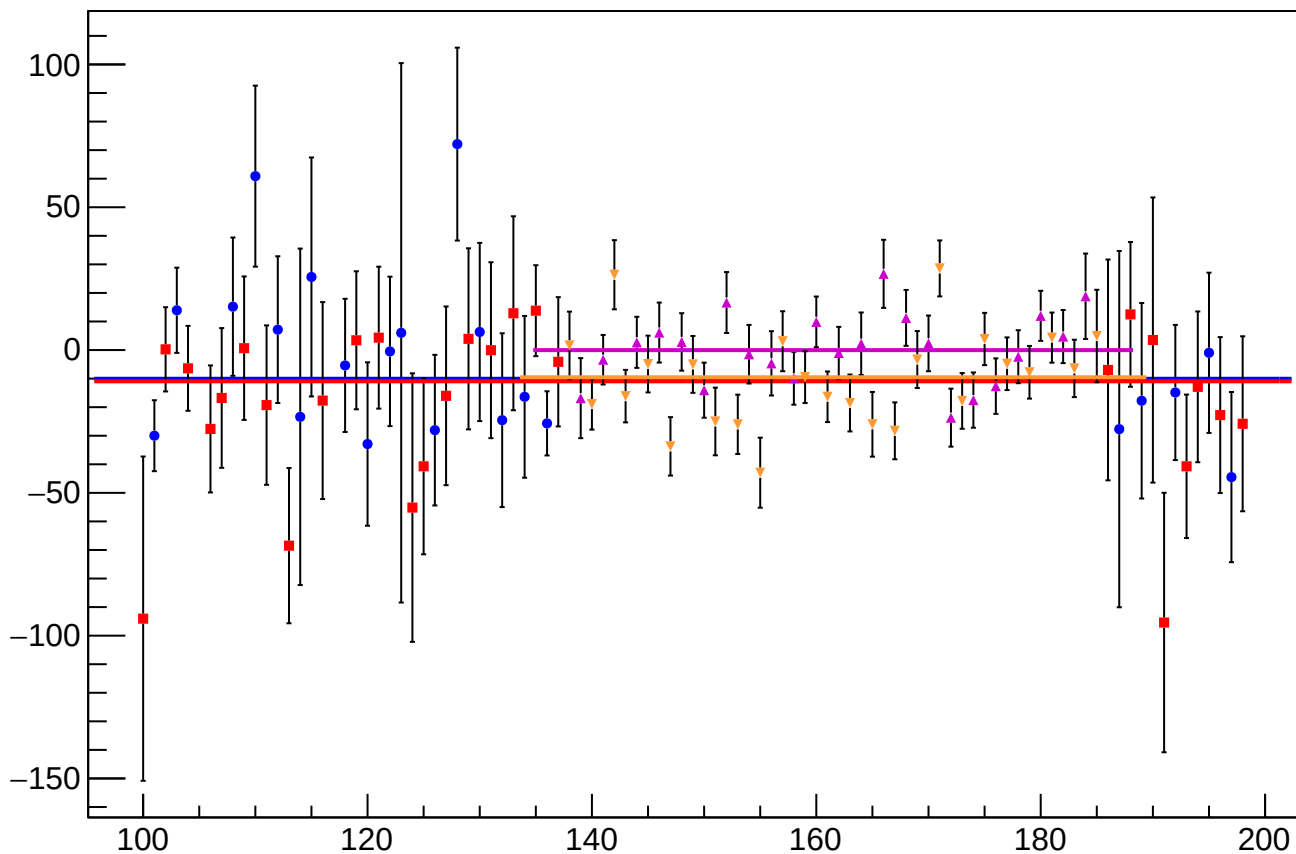
Left In: 6530.954+/-1.121 χ^2/NDF : 464668.6/22

+ sign 6246.230+/-0.851 χ^2/NDF : 1989927.9/46

All: 6183.737+/-0.592 χ^2/NDF : 4847063.1/96

- sign 6125.445+/-0.822 χ^2/NDF : 2846724.0/49

diff_bpm1X_mean vs Slug



Right In: -10.054 ± 5.027 χ^2/NDF : 23.8/21

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

Right Out: -10.947 ± 4.914 χ^2/NDF : 20.4/26

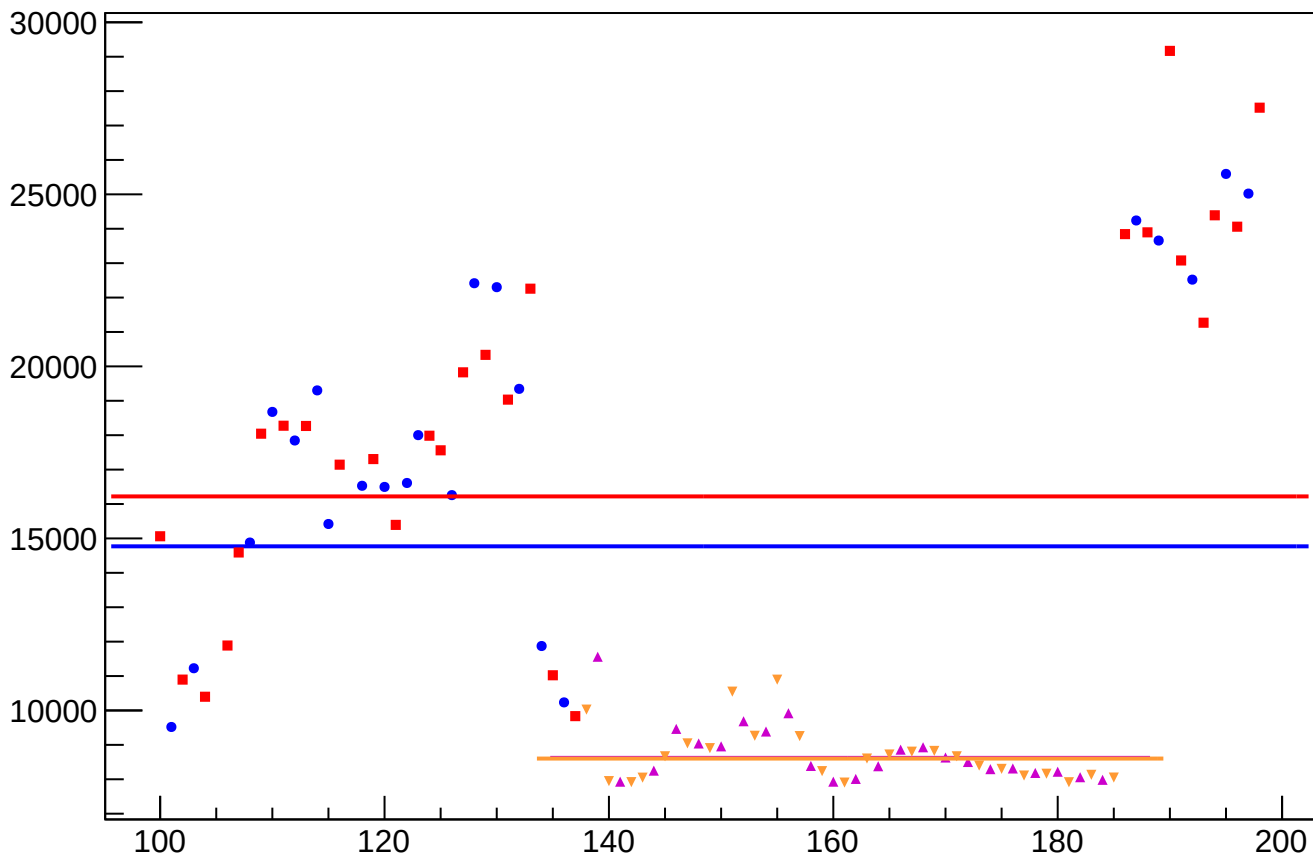
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -9.601 ± 1.871 χ^2/NDF : 83.4/46

All: -5.737 ± 1.338 χ^2/NDF : 146.6/96

- sign -1.685 ± 1.915 χ^2/NDF : 54.5/49

diff_bpm1X_rms vs Slug



Right In: 14770.059+/-3.555 χ^2/NDF : 2120268.9/21

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

Right Out: 16220.984+/-3.475 χ^2/NDF : 2363492.9/26

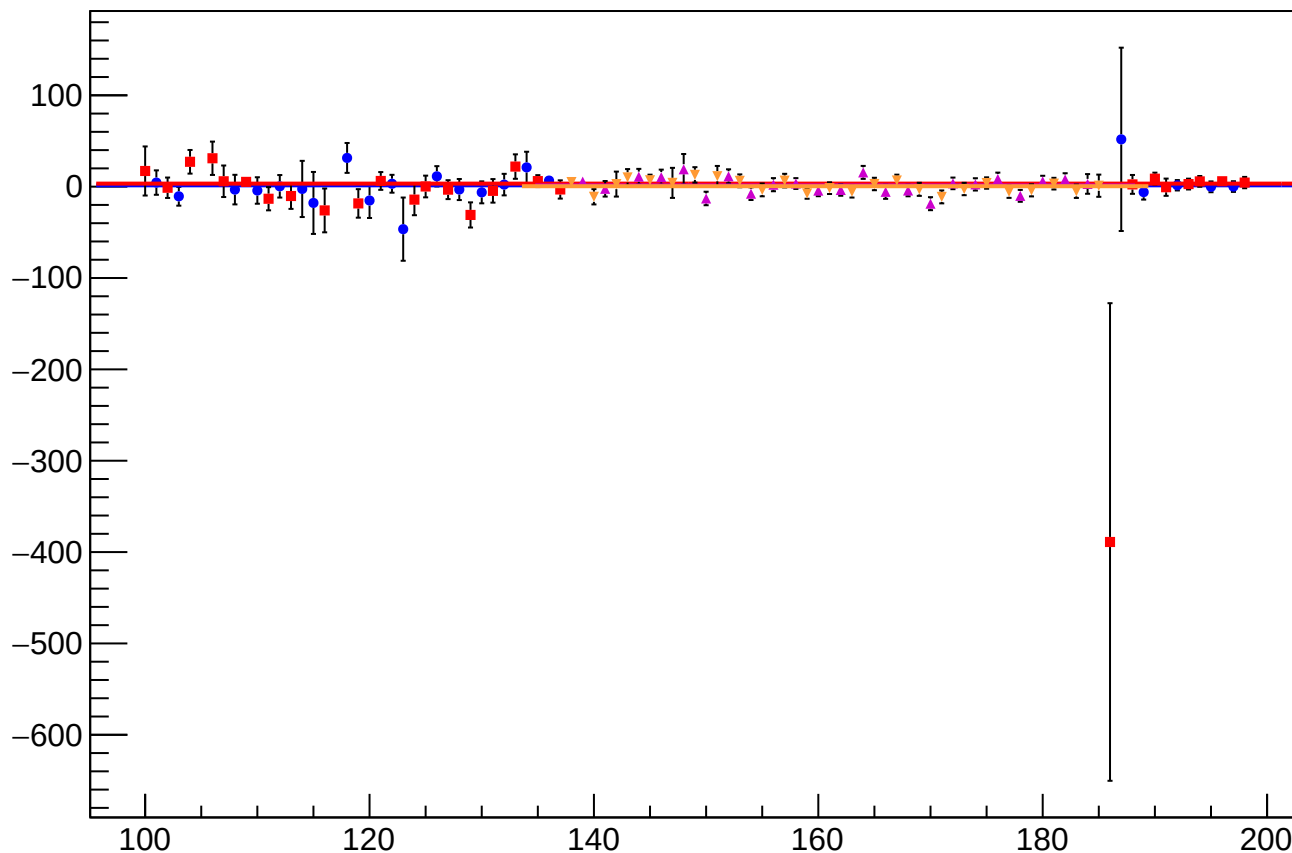
Left In: 8621.975+/-1.471 χ^2/NDF : 230824.4/22

+ sign 9455.921+/-1.323 χ^2/NDF : 4963287.8/46

All: 9612.307+/-0.946 χ^2/NDF : 11641733.5/50

- sign 9776.283+/-1.354 χ^2/NDF : 6649807.9/49

diff_bpm1Y_mean vs Slug



Right In: 1.460 $\pm$ 2.062 χ^2 /NDF: 13.3/21

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

Right Out: 3.330 $\pm$ 1.743 χ^2 /NDF: 26.7/26

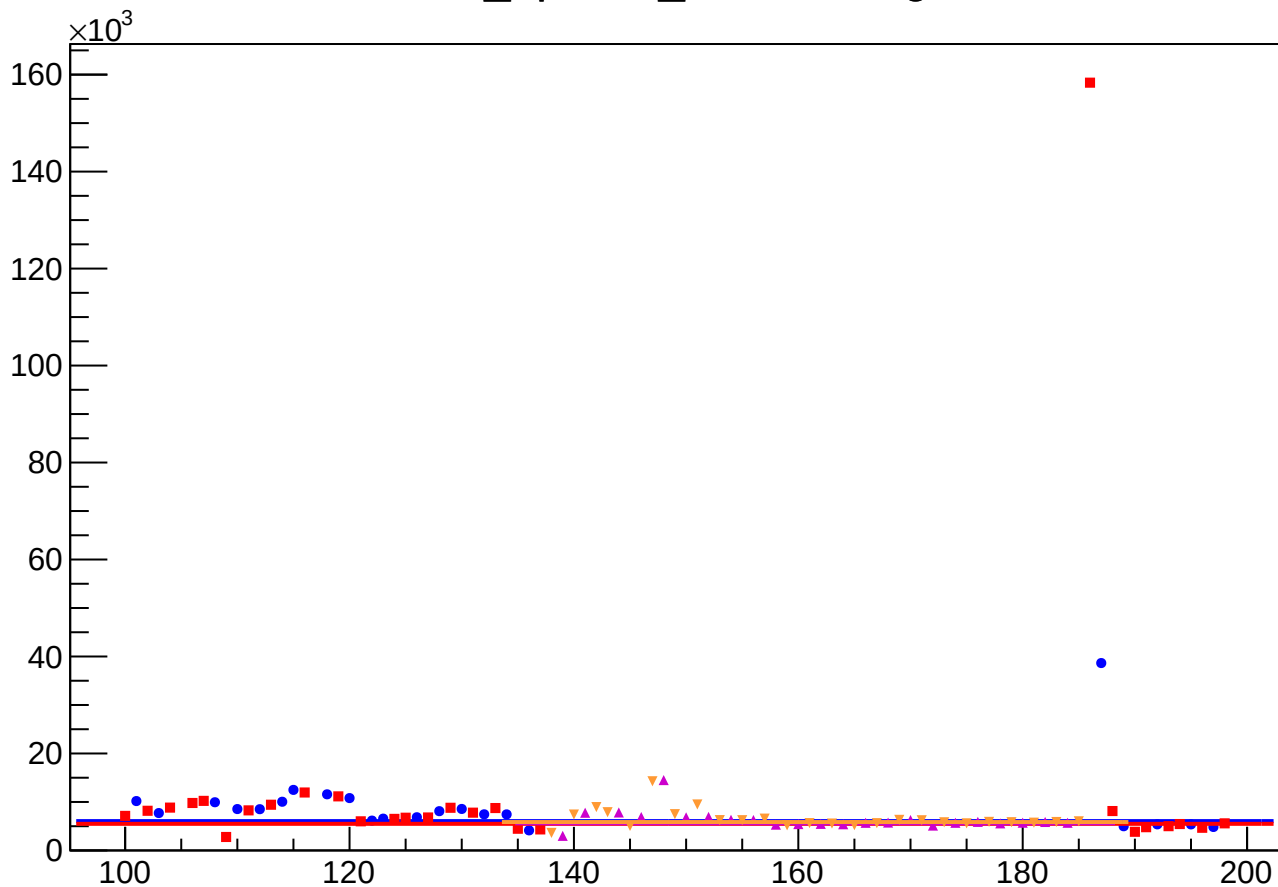
Left In: 1.298 $\pm$ 1.406 χ^2 /NDF:33.0/22

+ sign 0.795 $\pm$ 1.169 χ^2 /NDF: 33.0/46

All: 1.490 $\pm$ 0.799 χ^2 /NDF: 94.2/96

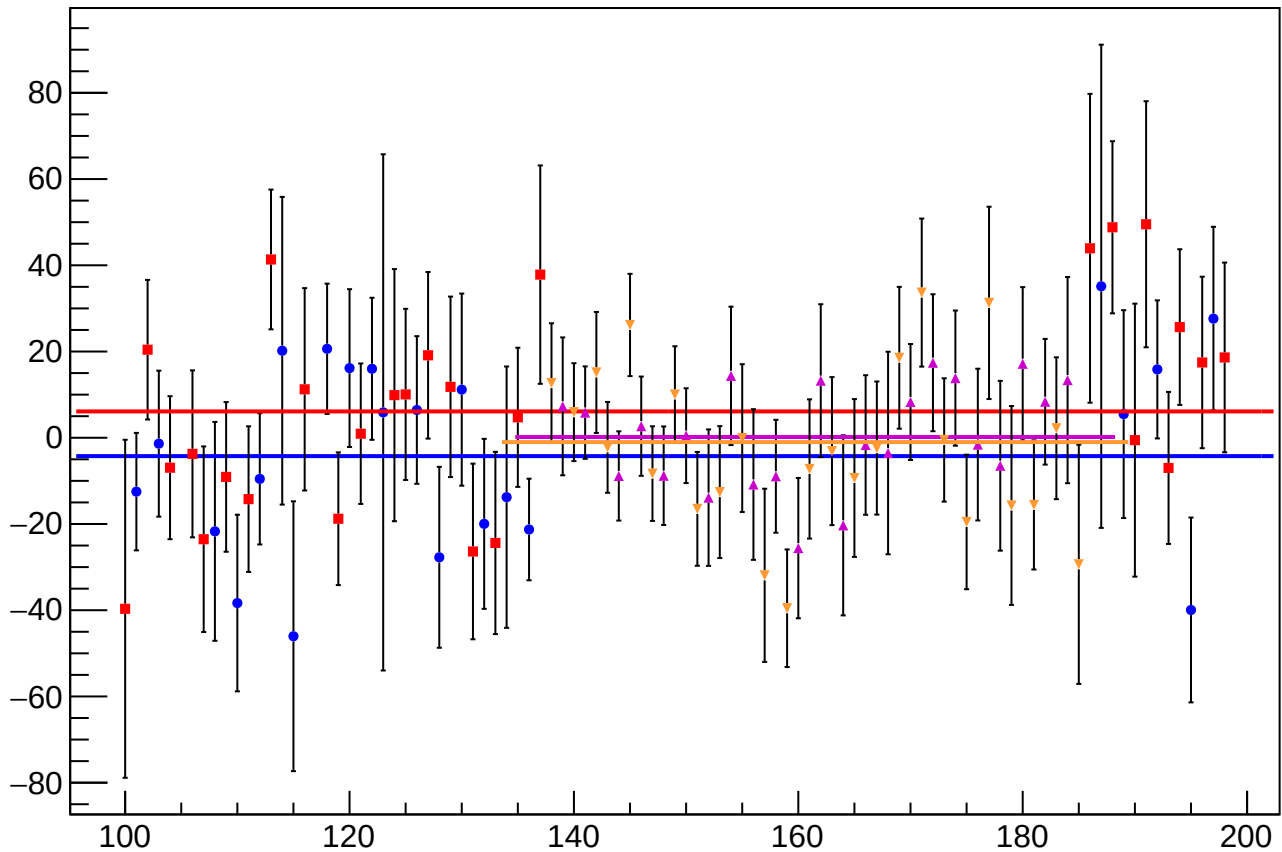
- sign 2.099 $\pm$ 1.095 χ^2 /NDF: 60.5/49

diff_bpm1Y_rms vs Slug



Right In: 6053.197+/-1.458	χ^2/NDF : 1895151.6/21	+ sign 5921.180+/-0.827	χ^2/NDF : 3598577.0/46
Left Out: 5858.642+/-1.004	χ^2/NDF : 1691344.1/24	All: 5726.025+/-0.565	χ^2/NDF : 9127877.0/96
Right Out: 5490.552+/-1.233	χ^2/NDF : 3330462.6/26	- sign 5554.967+/-0.774	χ^2/NDF : 5424719.7/49
Left In: 5596.879+/-0.994	χ^2/NDF : 2089750.1/22		

diff_bpm11X_mean vs Slug



Right In: -4.261 ± 4.111 χ^2/NDF : 23.7/21

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

Right Out: 6.108 ± 3.821 χ^2/NDF : 31.8/26

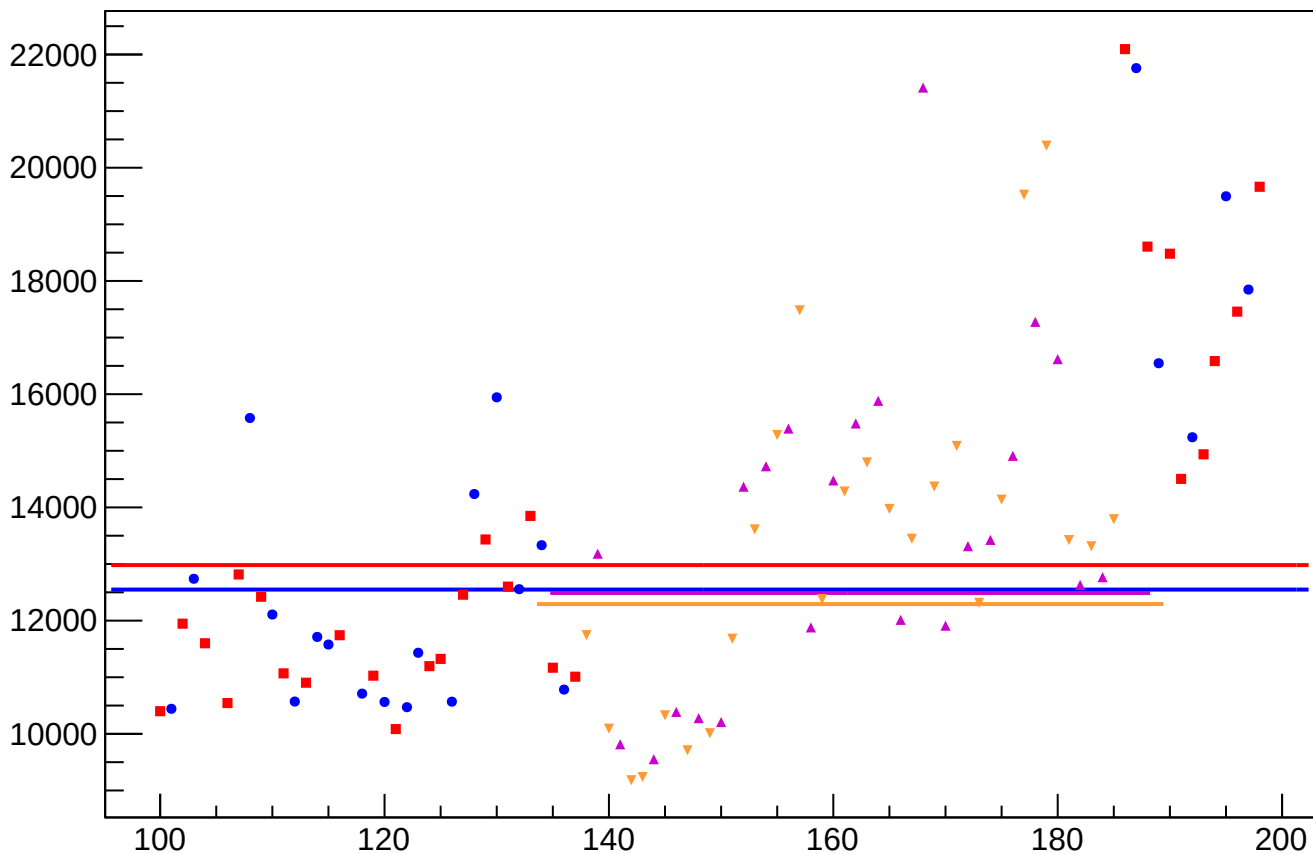
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -2.109 ± 2.392 χ^2/NDF : 57.6/46

All: 0.195 ± 1.692 χ^2/NDF : 105.1/96

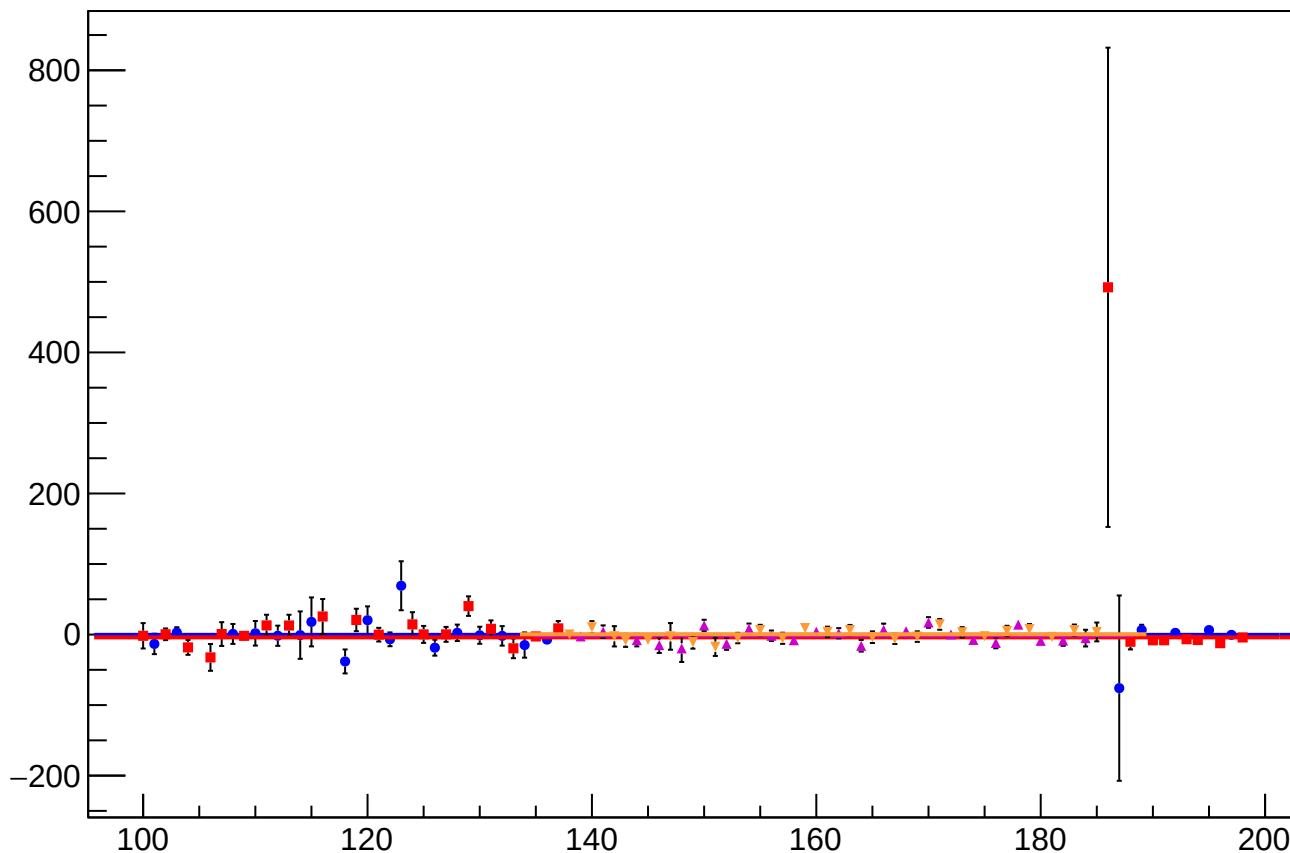
- sign 2.498 ± 2.392 χ^2/NDF : 45.7/49

diff_bpm11X_rms vs Slug



Right In: 12548.775 $\pm$ 2.907	χ^2 /NDF: 831940.5/21	+ sign 12379.326 $\pm$ 1.692	χ^2 /NDF: 2339625.5/46
Left Out: 12292.583 $\pm$ 2.080	χ^2 /NDF: 1502548.3/24	All: 12530.553 $\pm$ 1.196	χ^2 /NDF: 4764281.6/5
Right Out: 12981.192 $\pm$ 2.702	χ^2 /NDF: 1033995.0/26	- sign 12681.745 $\pm$ 1.691	χ^2 /NDF: 2408673.8/49
Left In: 12488.821 $\pm$ 2.169	χ^2 /NDF: 1354485.4/22		

diff_bpm11Y_mean vs Slug



Right In: -0.421 $\pm$ 1.903 χ^2/NDF : 20.5/21

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

Right Out: -4.020 $\pm$ 1.605 χ^2/NDF : 33.2/26

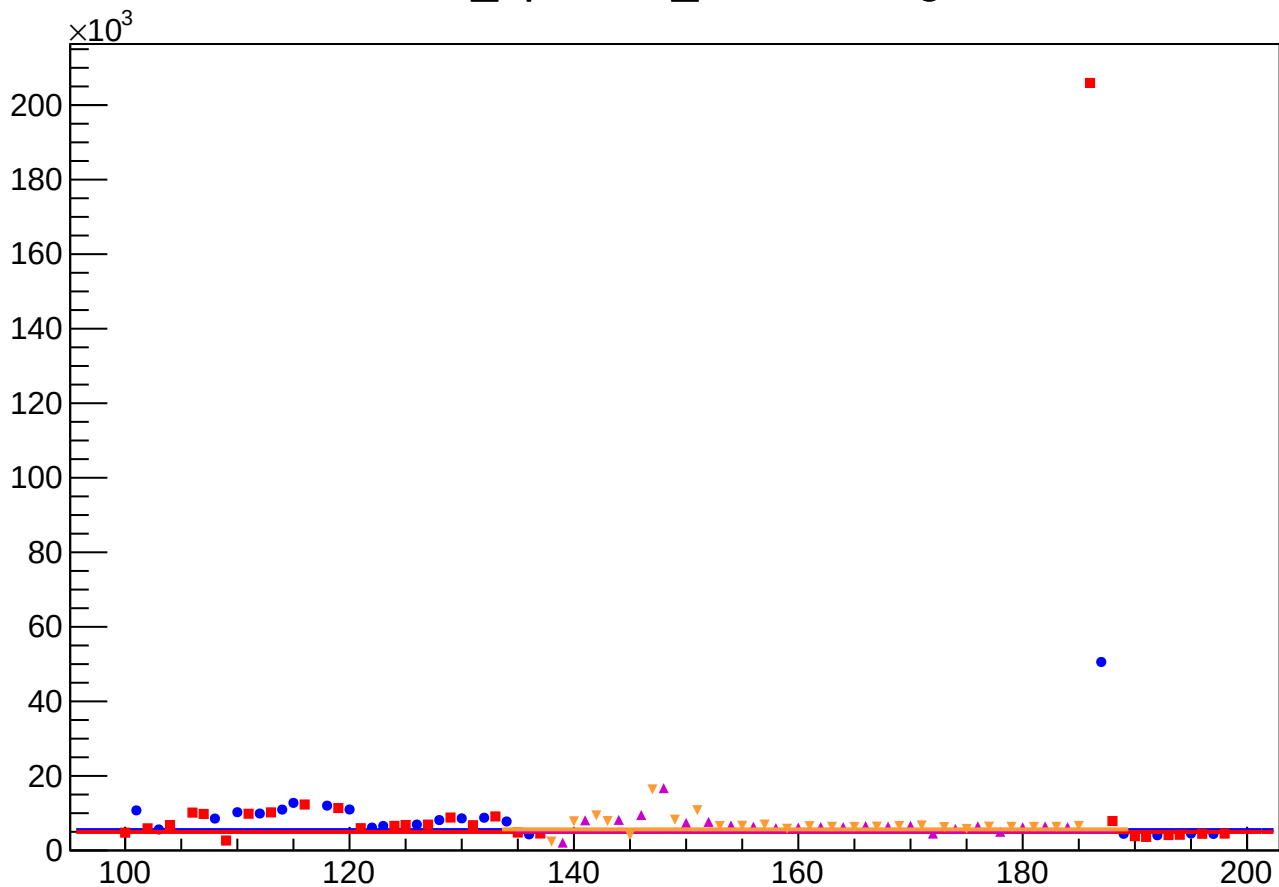
Left In: -1.278 $\pm$ 1.386 χ^2/NDF : 34.0/22

+ sign 0.109 $\pm$ 1.146 χ^2/NDF : 39.9/46

All: -1.282 $\pm$ 0.774 χ^2/NDF : 111.5/96

- sign -2.449 $\pm$ 1.049 χ^2/NDF : 68.8/49

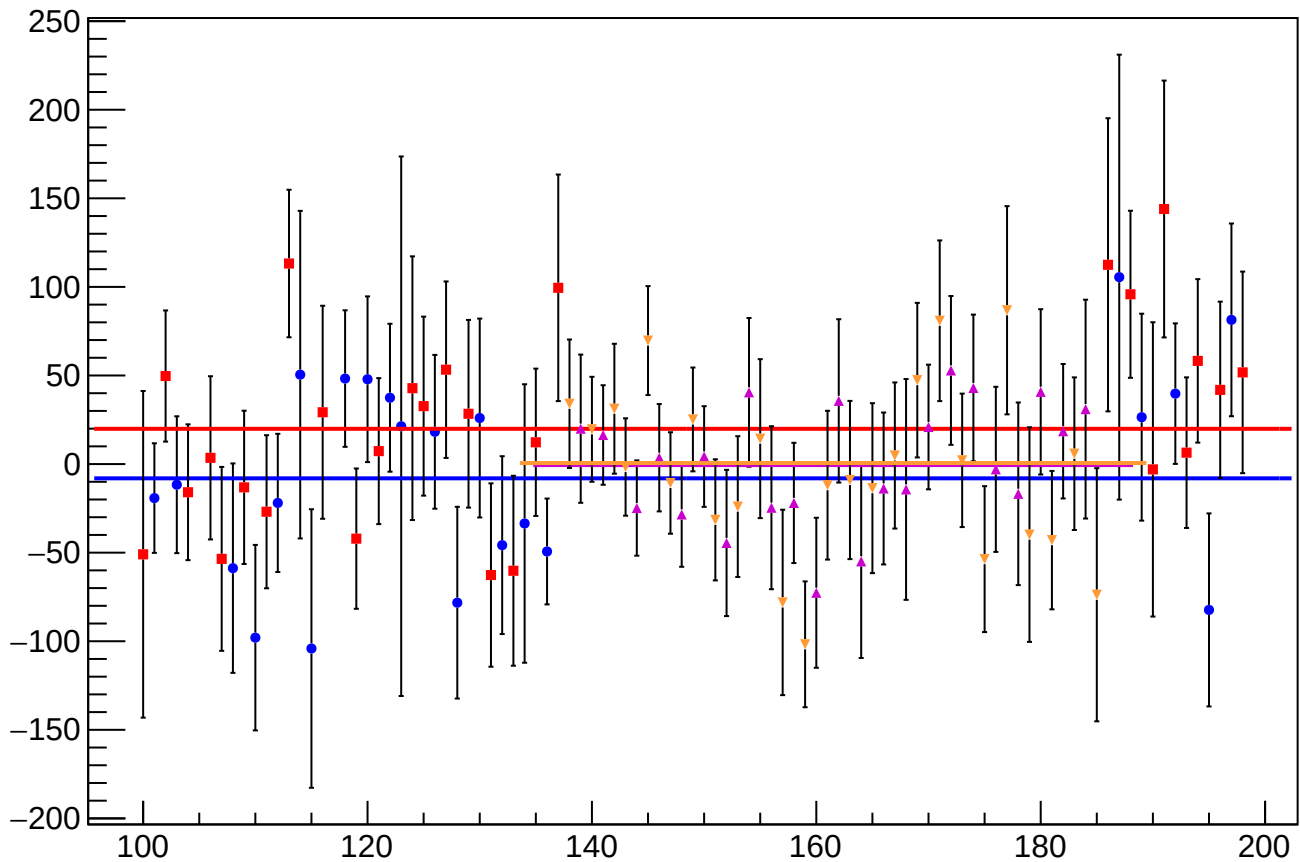
diff_bpm11Y_rms vs Slug



Right In: 5464.878 ± 1.346 χ^2/NDF : 2483266.0/21
 Left Out: 5655.639 ± 1.014 χ^2/NDF : 4124124.3/24
 Right Out: 4964.155 ± 1.135 χ^2/NDF : 3488761.3/26
 Left In: 5180.743 ± 0.980 χ^2/NDF : 5350053.6/22

+ sign 5586.508 ± 0.810 χ^2/NDF : 6620205.9/46
 All: 5315.505 ± 0.547 χ^2/NDF : 15685679.5/99
 - sign 5088.263 ± 0.742 χ^2/NDF : 8859676.9/49

diff_bpm12X_mean vs Slug



Right In: -8.052 ± 10.213 χ^2/NDF : 22.8/21

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

Right Out: 19.902 ± 9.507 χ^2/NDF : 28.7/26

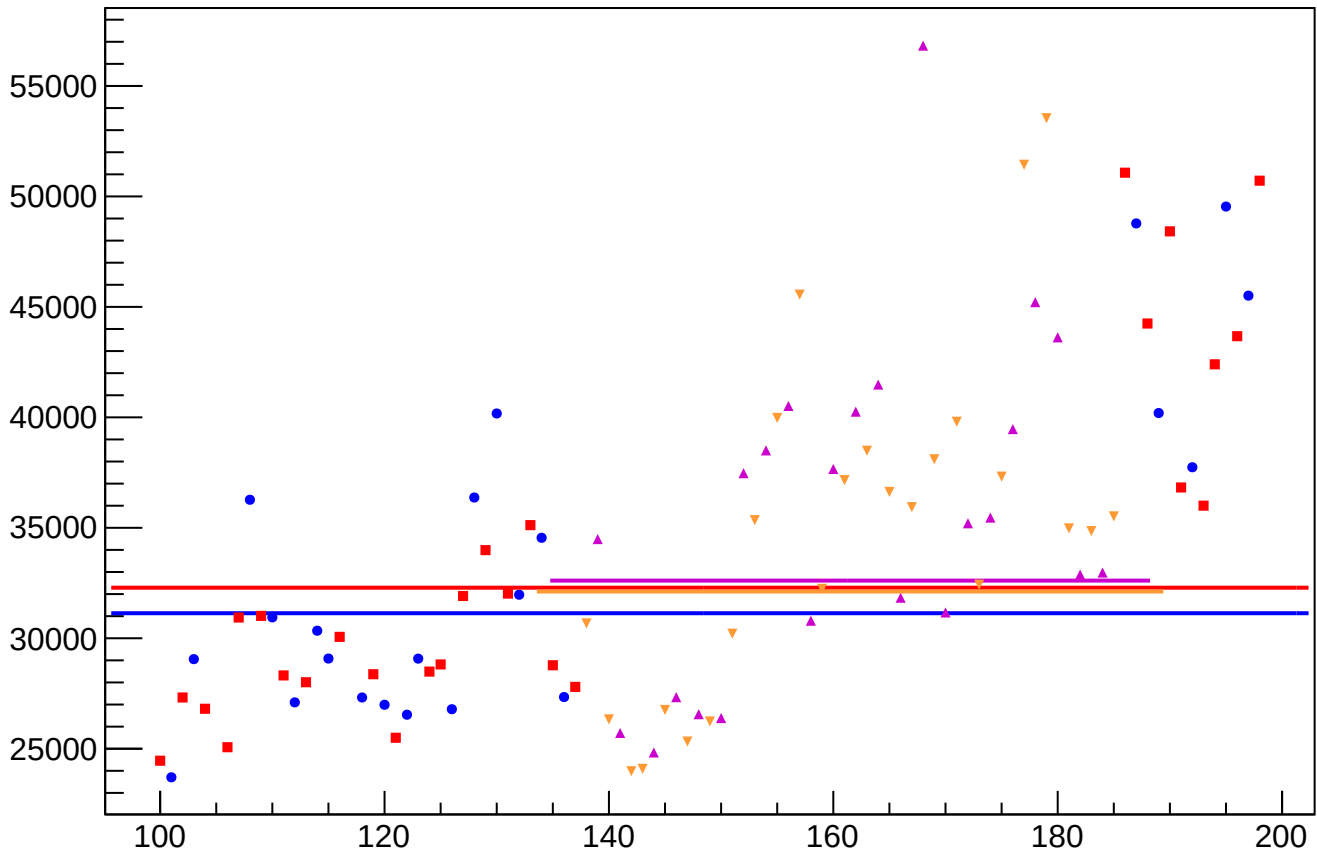
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign -2.544 ± 6.144 χ^2/NDF : 54.3/46

All: 2.711 ± 4.338 χ^2/NDF : 101.4/96

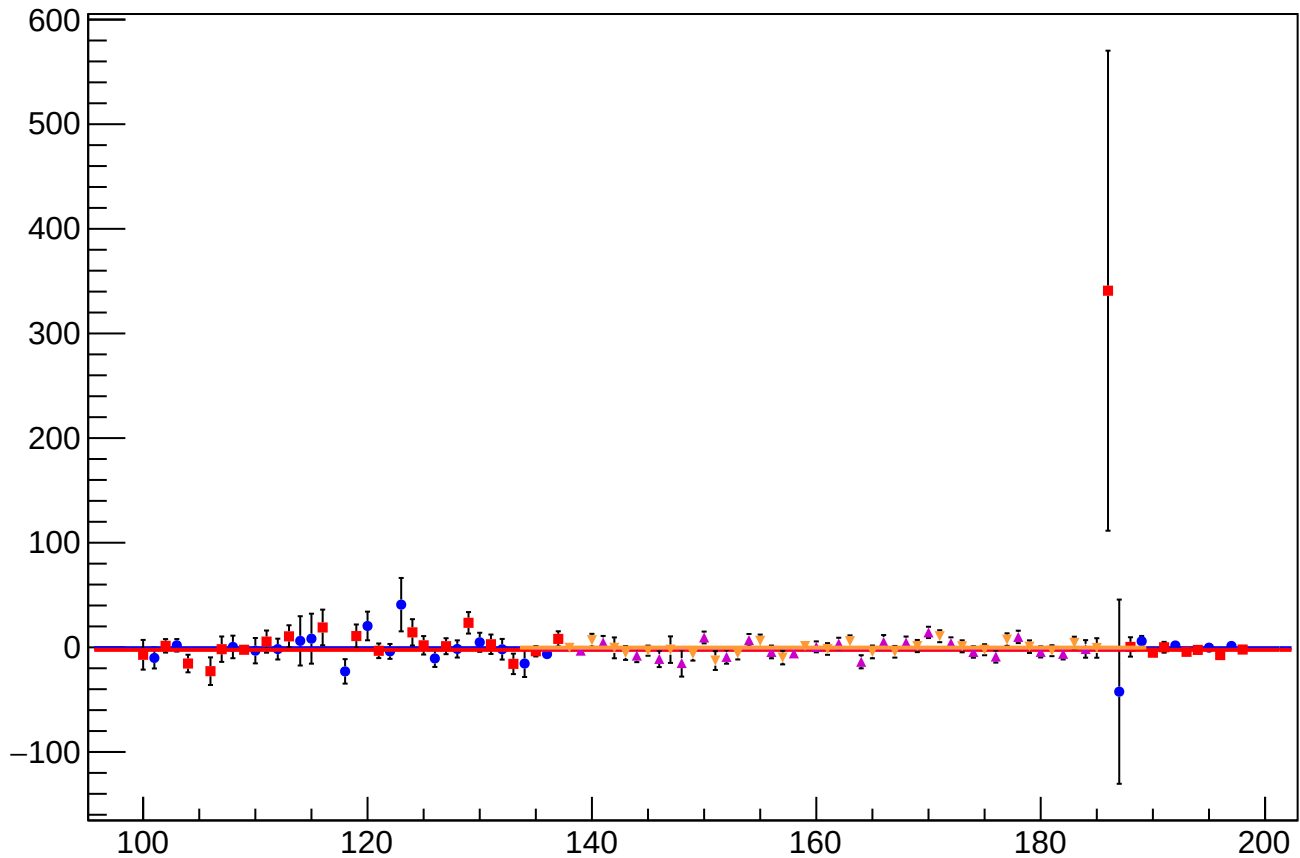
- sign 7.938 ± 6.128 χ^2/NDF : 45.7/49

diff_bpm12X_rms vs Slug



Right In: 31133.718+/-7.222	χ^2/NDF : 857531.8/21	+ sign 31761.320+/-4.344	χ^2/NDF : 2406106.4/46
Left Out: 32117.184+/-5.438	χ^2/NDF : 1536740.0/24	All: 32120.031+/-3.068	χ^2/NDF : 4865108.0/9
Right Out: 32289.410+/-6.722	χ^2/NDF : 1045594.3/26	- sign 32476.875+/-4.333	χ^2/NDF : 2445400.5/49
Left In: 32610.108+/-5.667	χ^2/NDF : 1398475.8/22		

diff_bpm12Y_mean vs Slug



Right In: -0.777 $\pm$ 1.322 χ^2/NDF : 19.2/21

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

Right Out: -2.407 $\pm$ 1.158 χ^2/NDF : 29.0/26

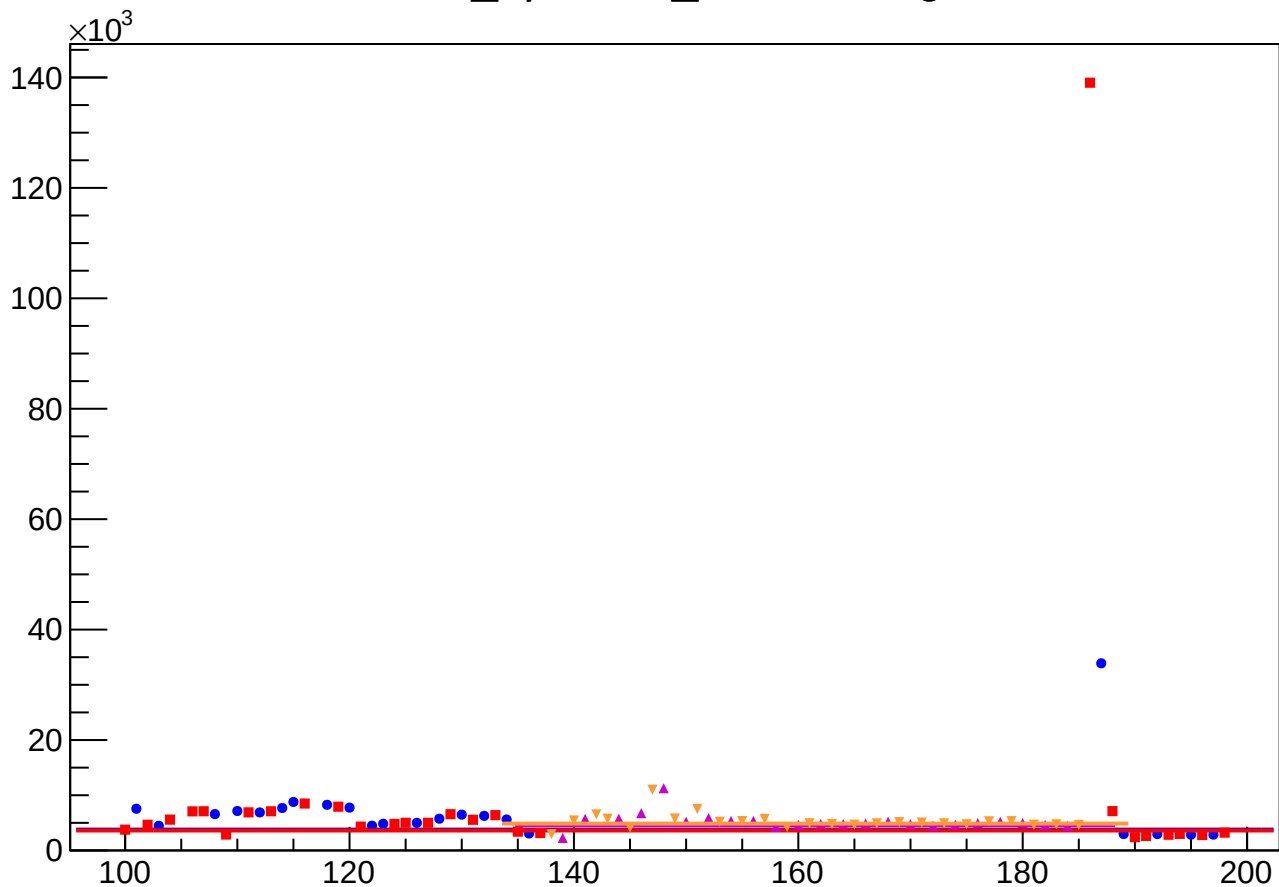
Left In: -0.925 $\pm$ 1.154 χ^2/NDF : 36.1/22

+ sign -0.485 $\pm$ 0.877 χ^2/NDF : 37.4/46

All: -1.116 $\pm$ 0.598 χ^2/NDF : 104.3/96

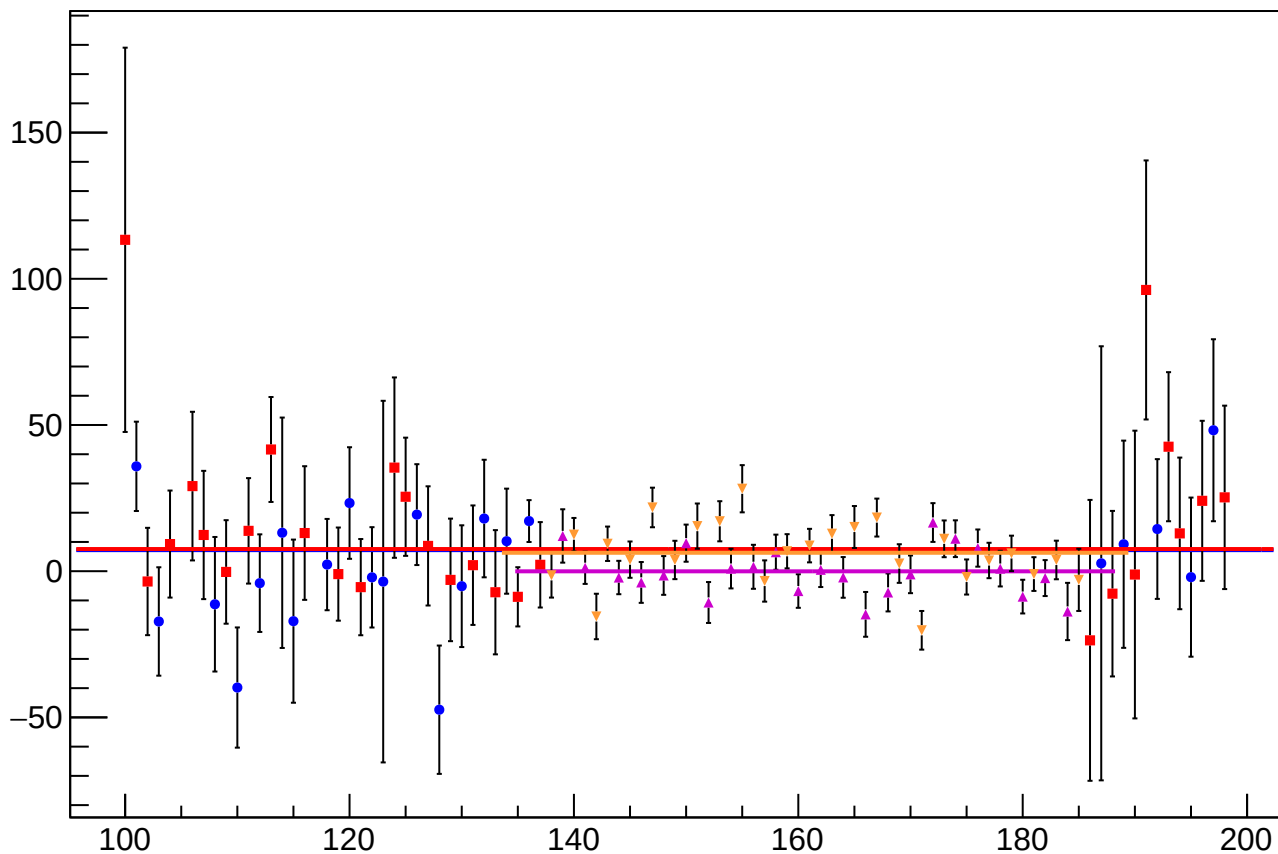
- sign -1.663 $\pm$ 0.817 χ^2/NDF : 65.9/49

diff_bpm12Y_rms vs Slug



Right In: 3771.871 ± 0.935 $\chi^2/\text{NDF}: 2744749.8/21$ + sign 4384.480 ± 0.620 $\chi^2/\text{NDF}: 5023411.7/46$
 Left Out: 4866.528 ± 0.829 $\chi^2/\text{NDF}: 1511486.2/24$ All: 4232.512 ± 0.423 $\chi^2/\text{NDF}: 11842068.6/9$
 Right Out: 3615.752 ± 0.819 $\chi^2/\text{NDF}: 3528683.3/26$ - sign 4100.677 ± 0.578 $\chi^2/\text{NDF}: 6706612.0/49$
 Left In: 4582.193 ± 0.816 $\chi^2/\text{NDF}: 2478681.0/22$

diff_bpm16X_mean vs Slug



Right In: 7.200 ± 3.910 χ^2/NDF : 24.7/21

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

Right Out: 7.579 ± 3.954 χ^2/NDF : 21.1/26

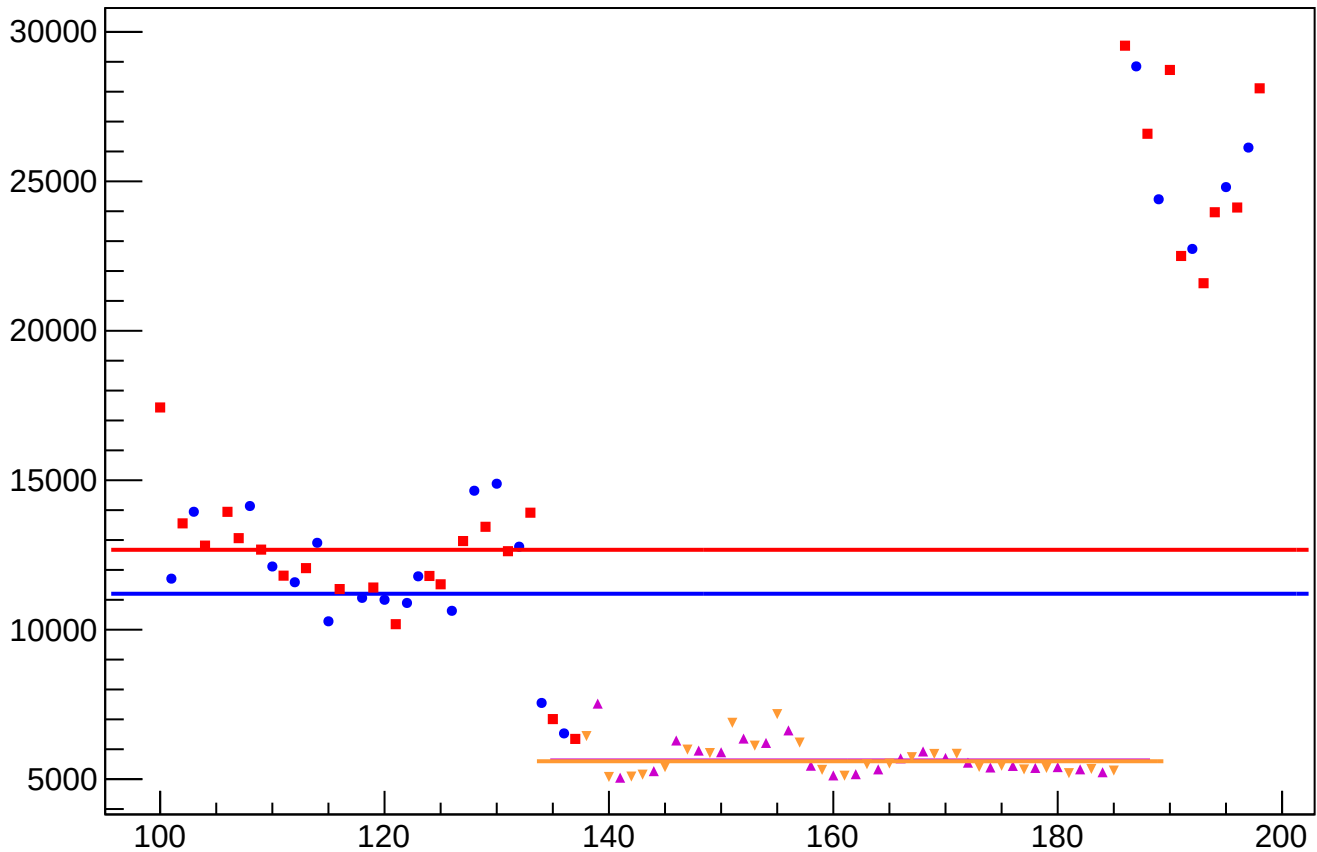
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

+ sign 6.393 ± 1.244 χ^2/NDF : 81.5/46

All: 3.665 ± 0.894 χ^2/NDF : 145.9/96

- sign 0.760 ± 1.284 χ^2/NDF : 54.5/49

diff_bpm16X_rms vs Slug



Right In: 11202.703 $\pm$ 2.765 χ^2 /NDF: 2968306.1/21

Left Out: 5598.786 $\pm$ 0.928 χ^2 /NDF:283253.4/24

Right Out: 12672.900 $\pm$ 2.796 χ^2 /NDF: 3612428.1/26

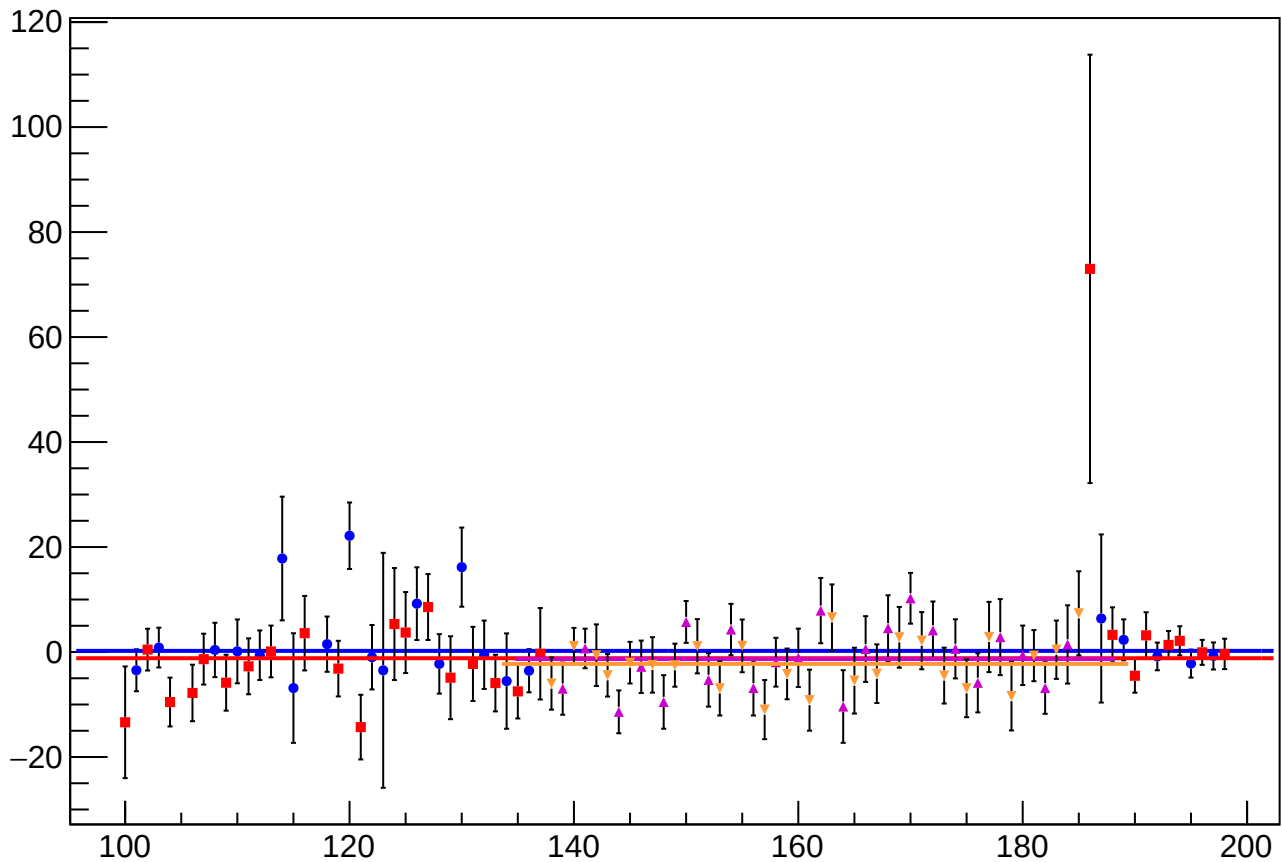
Left In: 5625.163 $\pm$ 0.960 χ^2 /NDF:272563.5/22

+ sign 6166.376 $\pm$ 0.880 χ^2 /NDF: 6944073.4/46

All: 6264.201 $\pm$ 0.632 χ^2 /NDF: 16537548.0/9

- sign 6368.391 $\pm$ 0.908 χ^2 /NDF: 9567946.9/49

diff_bpm16Y_mean vs Slug



Right In: 0.216 ± 0.992 χ^2/NDF : 24.9/21

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

Right Out: -1.183 ± 0.873 χ^2/NDF : 26.7/26

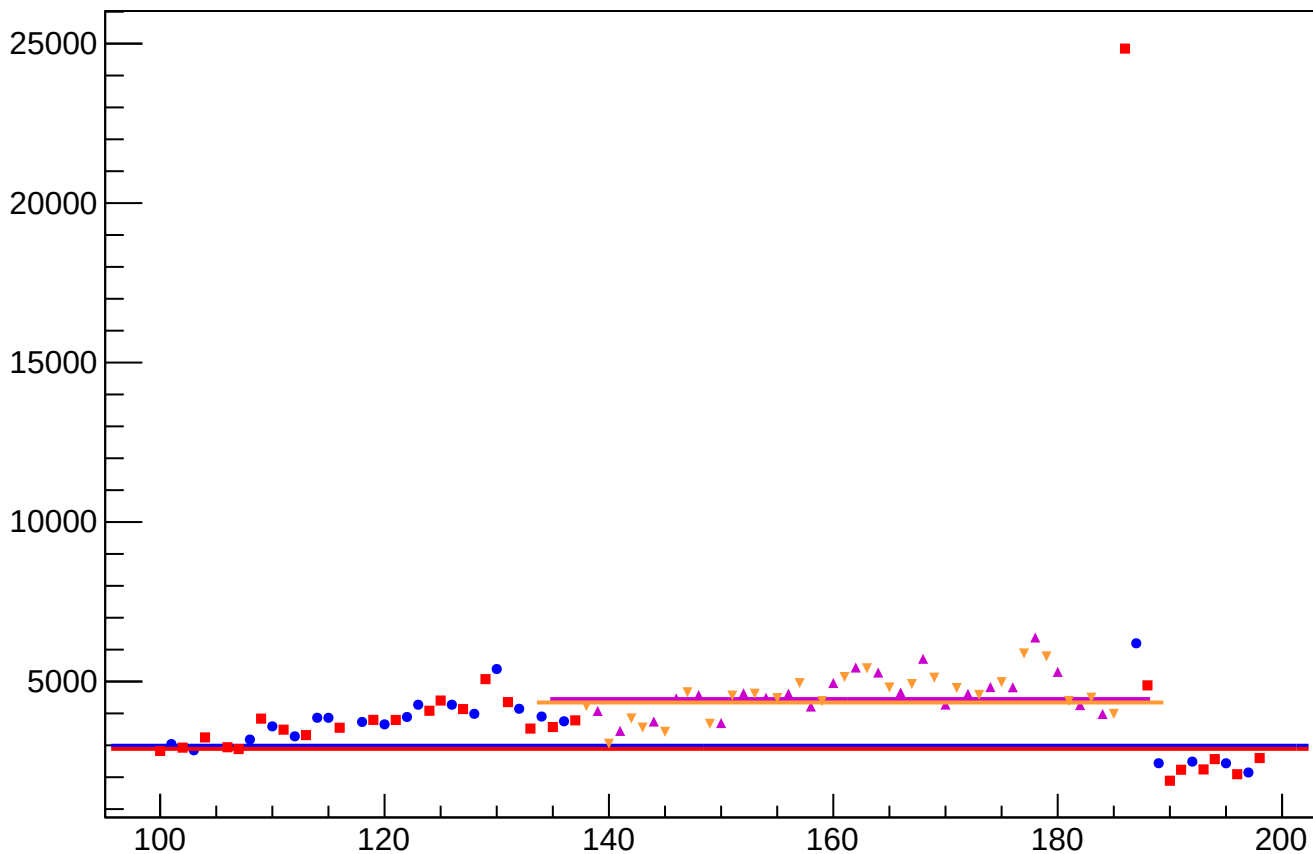
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -0.976 ± 0.714 χ^2/NDF : 43.4/46

All: -1.115 ± 0.492 χ^2/NDF : 100.8/96

- sign -1.240 ± 0.679 χ^2/NDF : 57.3/49

diff_bpm16Y_rms vs Slug



Right In: 2986.620 $\pm$ 0.701 χ^2 /NDF: 1148024.3/21

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

Right Out: 2889.088 $\pm$ 0.617 χ^2 /NDF: 2231376.2/26

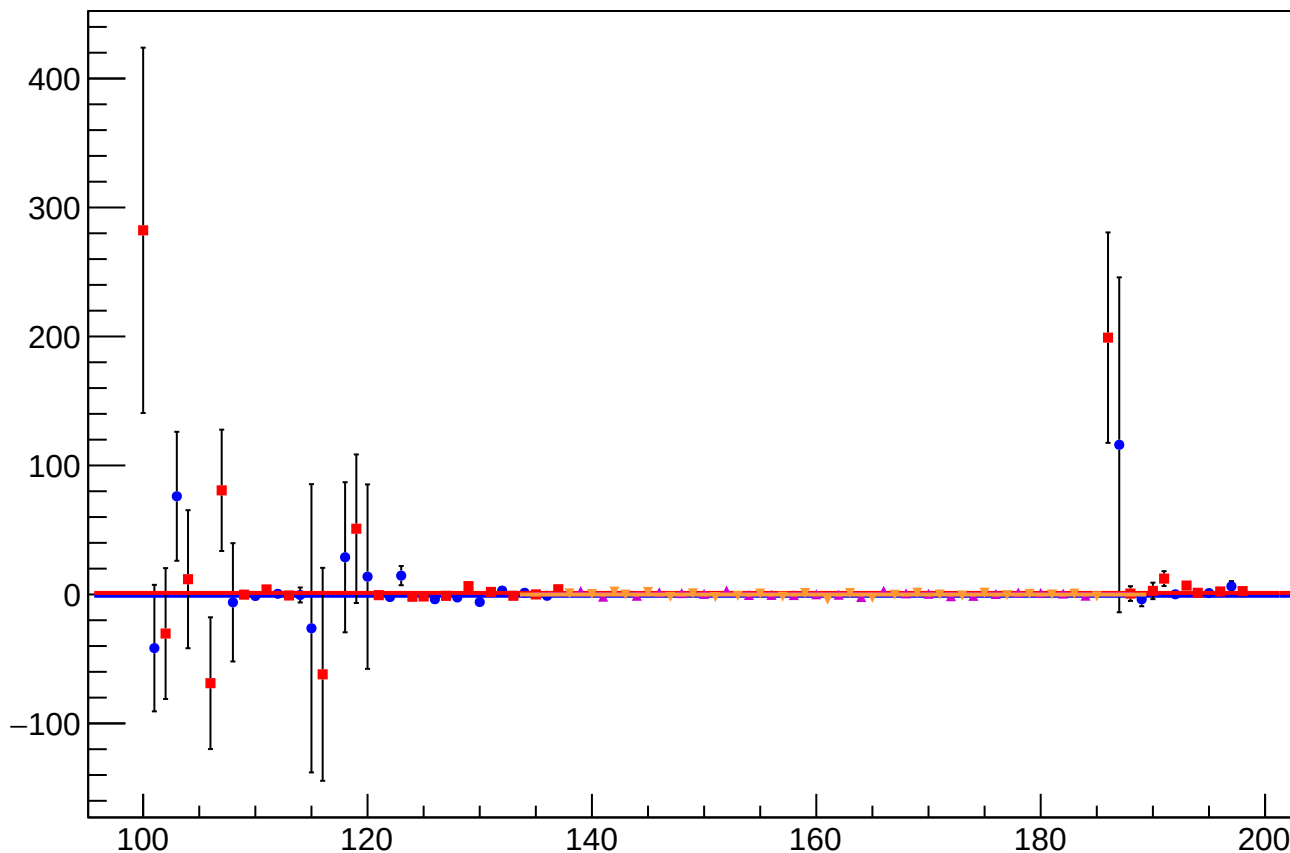
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF: 693229.8/22

+ sign 3638.919 $\pm$ 0.505 χ^2 /NDF: 3939502.2/46

All: 3568.148 $\pm$ 0.348 χ^2 /NDF: 9423529.7/96

- sign 3504.189 $\pm$ 0.480 χ^2 /NDF: 5446671.0/49

diff_bpm1p02bX_mean vs Slug



Right In: -1.026 ± 0.697 χ^2/NDF : 21.9/21

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

Right Out: 1.178 ± 0.650 χ^2/NDF : 34.3/26

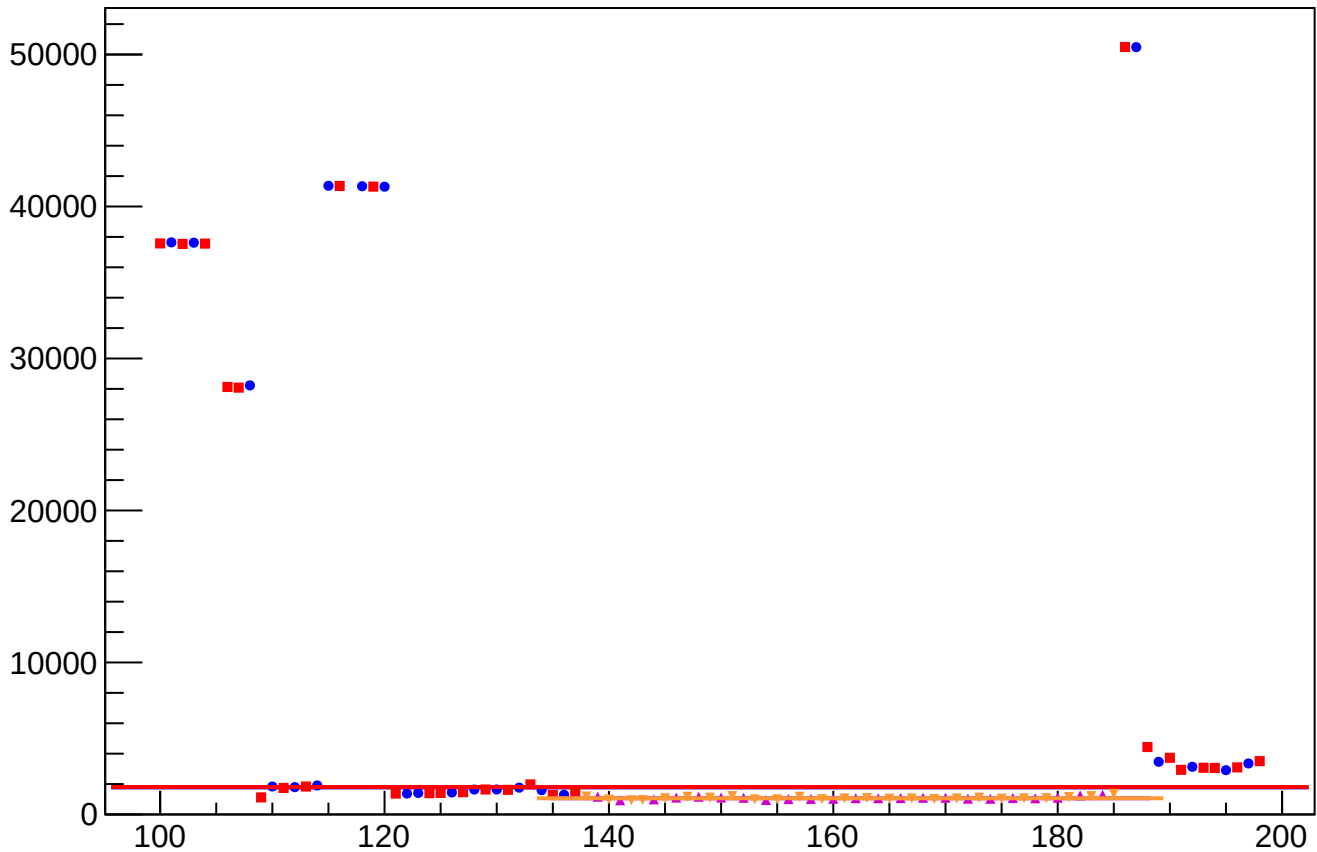
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.197 ± 0.235 χ^2/NDF : 57.9/46

All: 0.087 ± 0.167 χ^2/NDF : 124.2/96

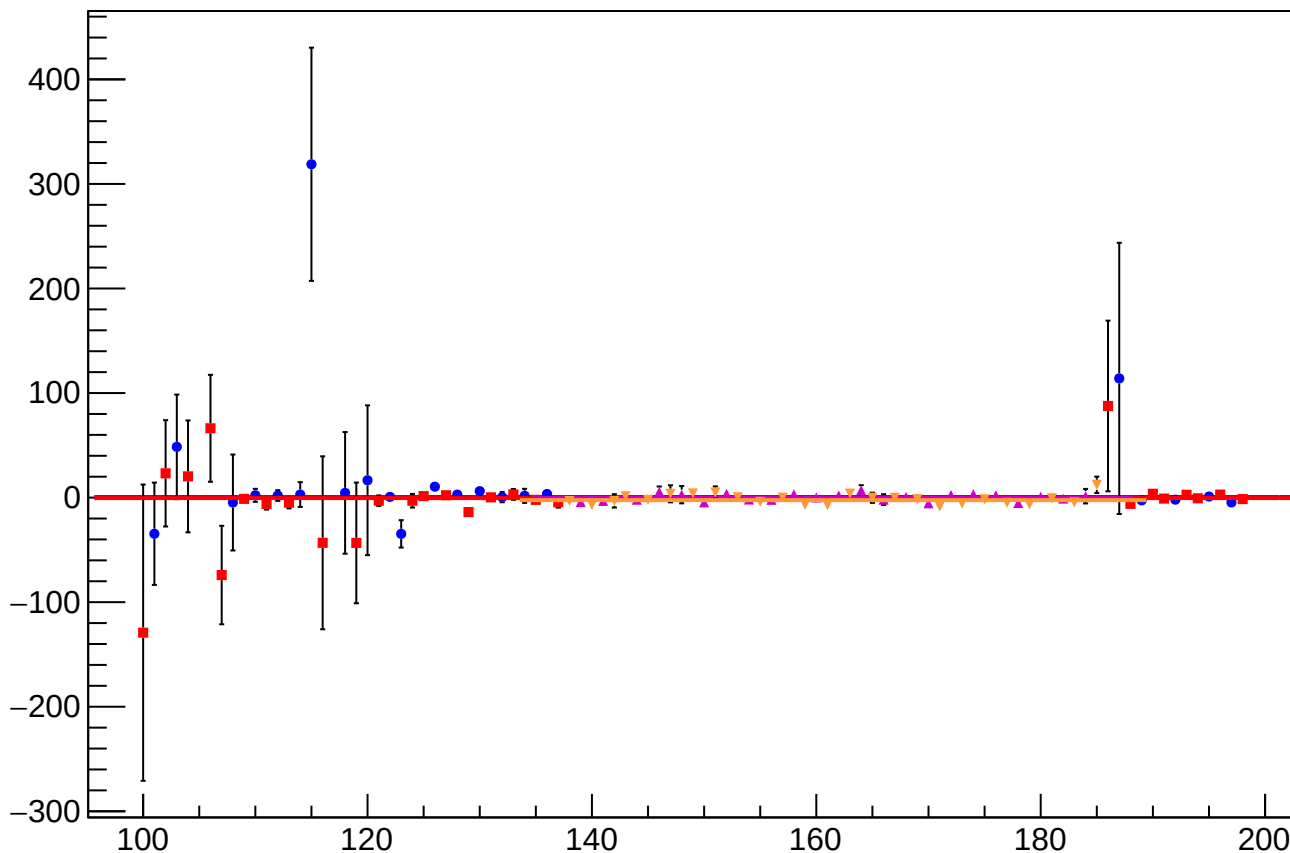
- sign 0.383 ± 0.239 χ^2/NDF : 63.3/49

diff_bpm1p02bX_rms vs Slug



Right In: 1781.067 ± 0.493 $\chi^2/\text{NDF}: 6292129.2/21$ + sign 1145.832 ± 0.166 $\chi^2/\text{NDF}: 8352761.4/46$
 Left Out: 1064.701 ± 0.176 $\chi^2/\text{NDF}: 186511.5/24$ All: 1155.437 ± 0.118 $\chi^2/\text{NDF}: 18574387.1/9$
 Right Out: 1800.267 ± 0.460 $\chi^2/\text{NDF}: 7846080.7/26$ - sign 1165.411 ± 0.169 $\chi^2/\text{NDF}: 10214787.0/49$
 Left In: 1066.255 ± 0.182 $\chi^2/\text{NDF}: 164232.1/22$

diff_bpm1p02bY_mean vs Slug



Right In: 0.444 ± 0.889 χ^2/NDF : 34.1/21

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

Right Out: -0.458 ± 0.783 χ^2/NDF : 27.7/26

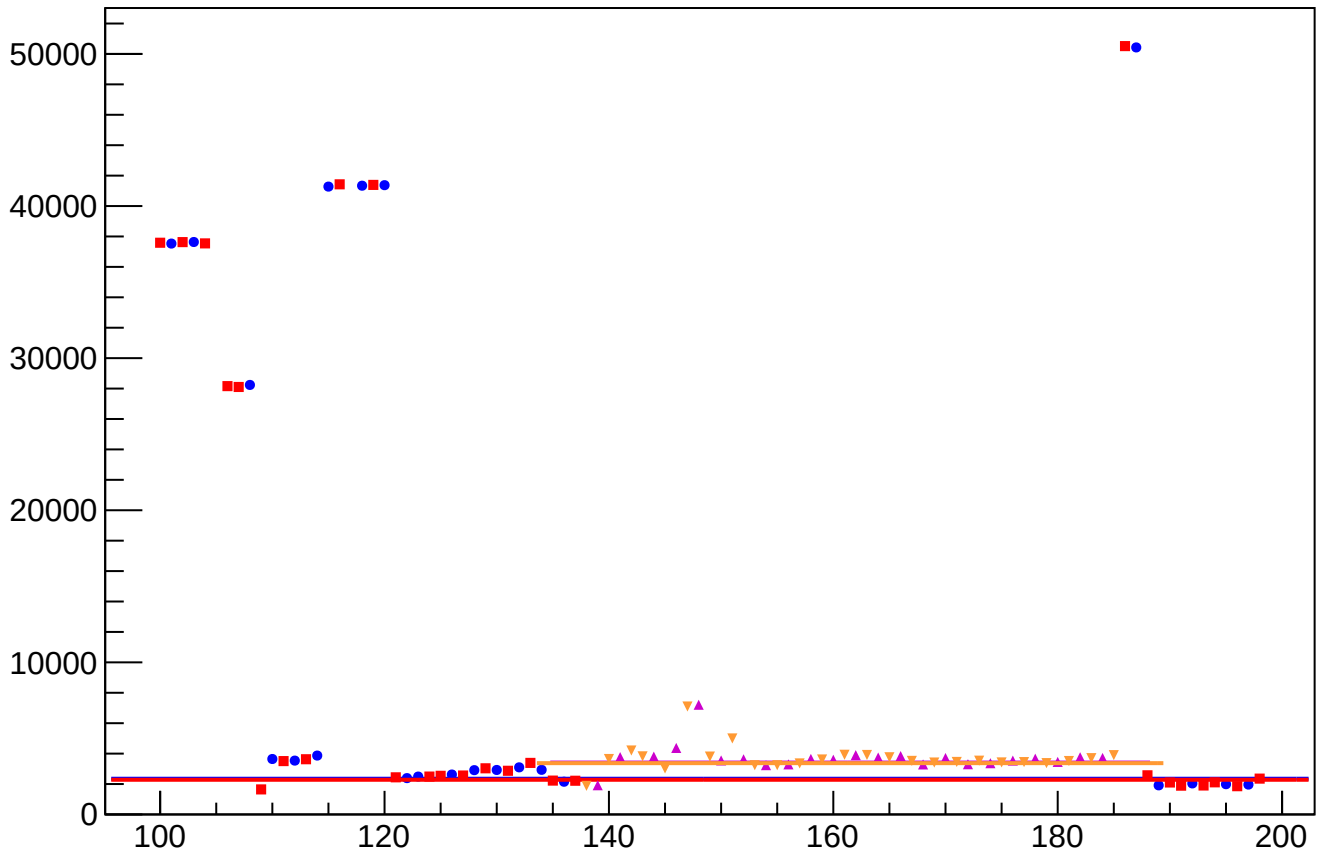
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -1.121 ± 0.599 χ^2/NDF : 61.0/46

All: -0.778 ± 0.414 χ^2/NDF : 104.8/96

- sign -0.463 ± 0.574 χ^2/NDF : 43.2/49

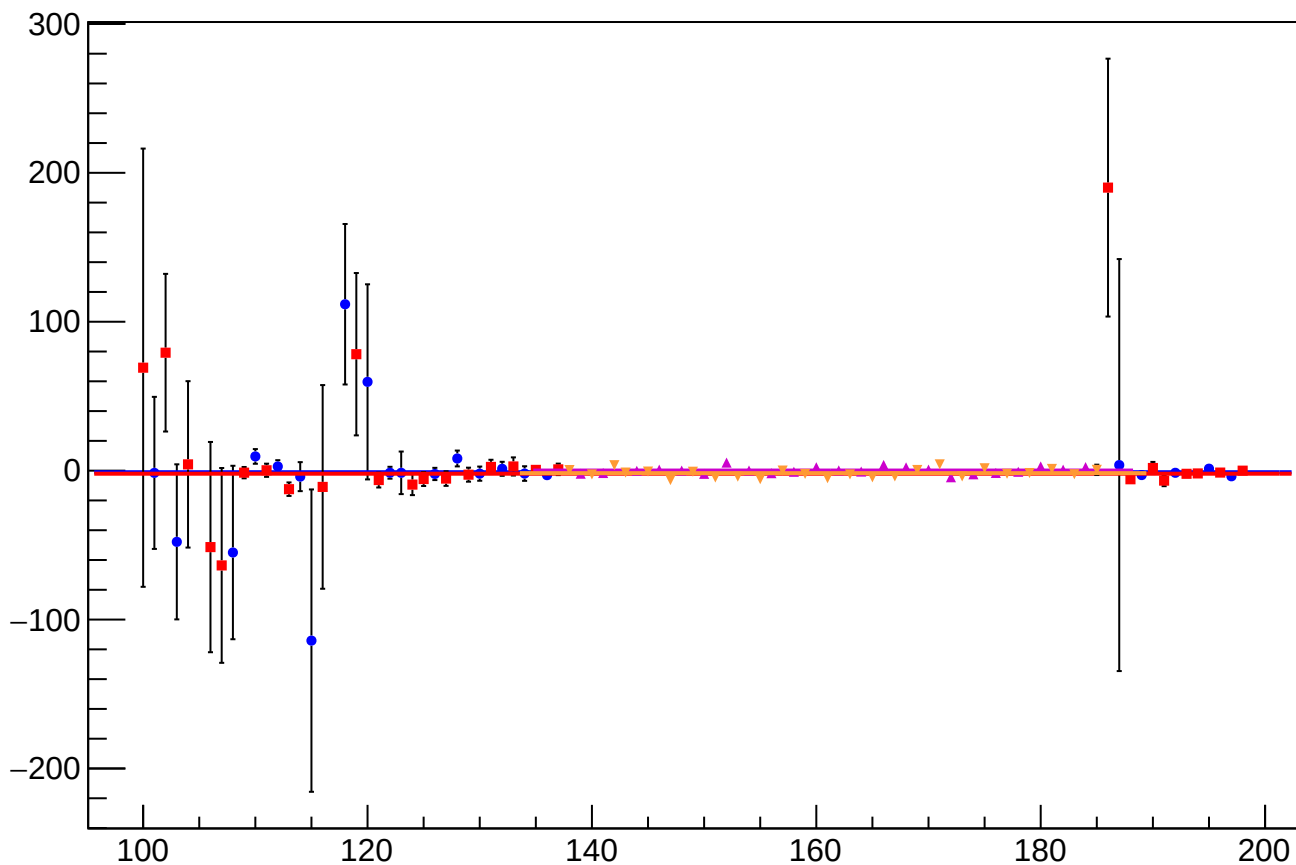
diff_bpm1p02bY_rms vs Slug



Right In: 2348.336 $\pm$ 0.629 χ^2 /NDF: 5252222.1/21
 Left Out: 3372.958 $\pm$ 0.573 χ^2 /NDF:1656864.7/24
 Right Out: 2280.434 $\pm$ 0.553 χ^2 /NDF: 5863567.0/26
 Left In: 3411.924 $\pm$ 0.596 χ^2 /NDF:1434523.7/22

+ sign 2907.780 $\pm$ 0.424 χ^2 /NDF: 8360065.7/46
 All: 2853.843 $\pm$ 0.293 χ^2 /NDF: 17624577.8/9
 - sign 2804.380 $\pm$ 0.406 χ^2 /NDF: 9233417.5/49

diff_bpm1p03aX_mean vs Slug



Right In: -1.043 ± 0.871 χ^2/NDF : 20.5/21

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

Right Out: -2.056 ± 0.783 χ^2/NDF : 26.9/26

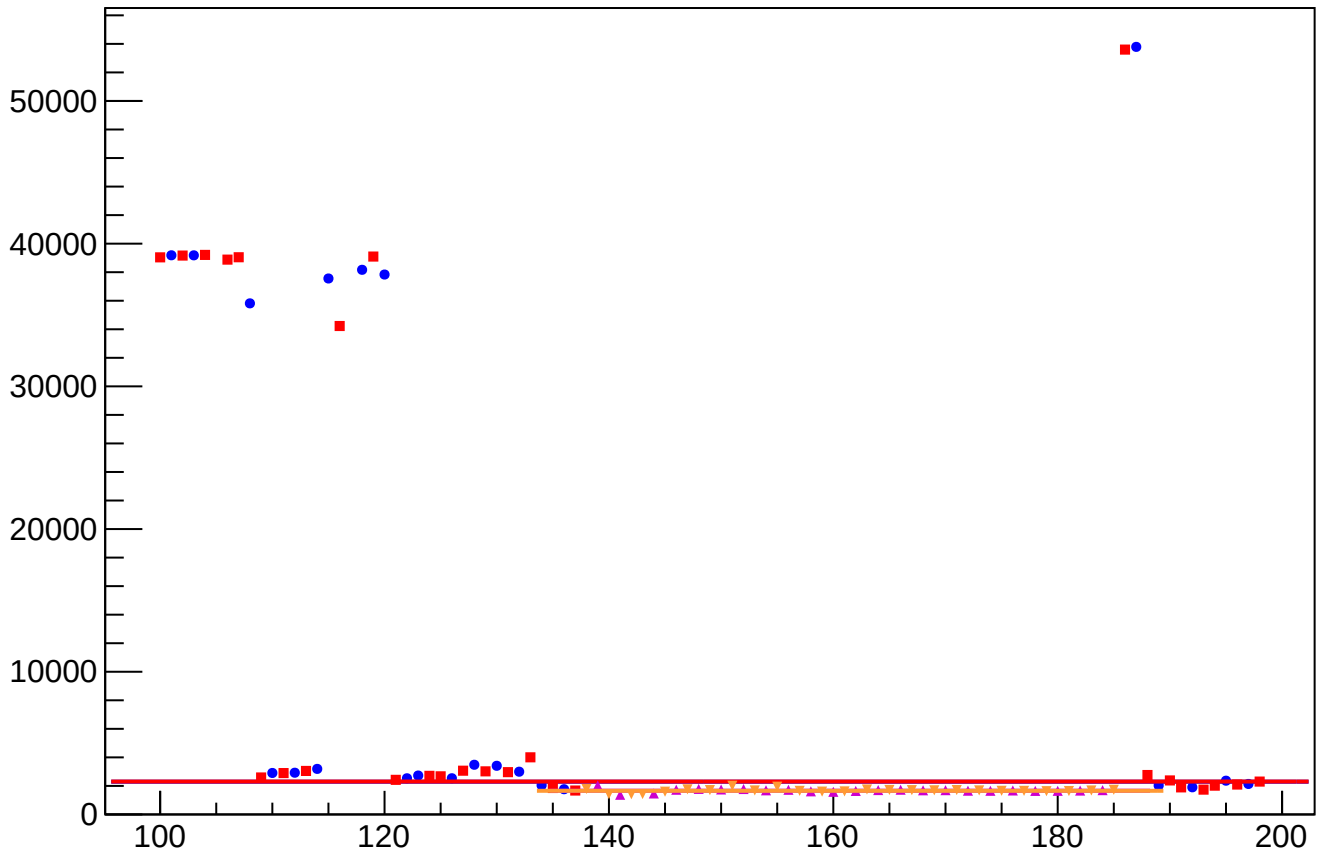
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.568 ± 0.354 χ^2/NDF : 66.6/46

All: -0.973 ± 0.252 χ^2/NDF : 133.3/96

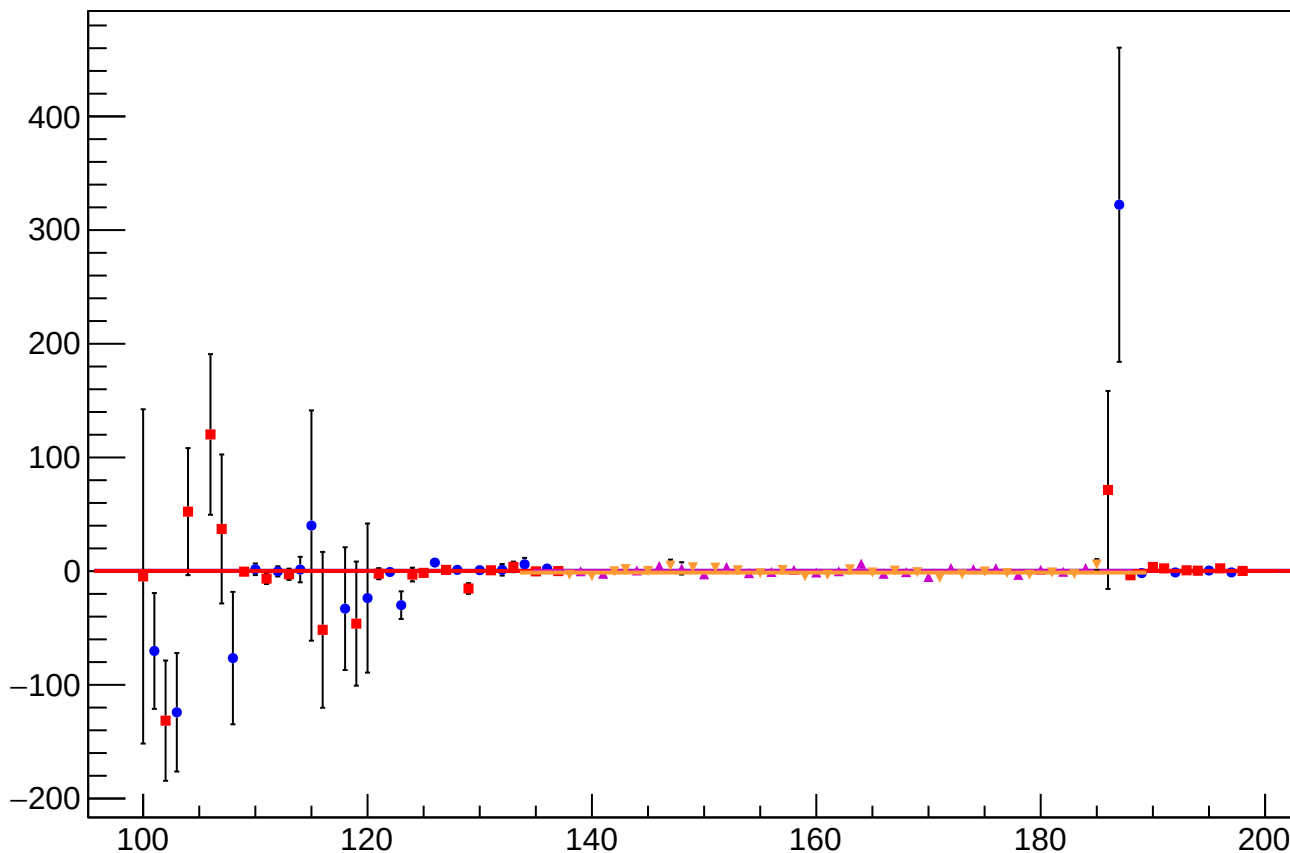
- sign -0.370 ± 0.357 χ^2/NDF : 61.0/49

diff_bpm1p03aX_rms vs Slug



Right In: 2294.792+/-0.616	χ^2/NDF : 5319671.8/21	+ sign 1763.298+/-0.251	χ^2/NDF : 6435871.0/46
Left Out: 1657.770+/-0.274	χ^2/NDF : 223465.3/24	All: 1780.191+/-0.178	χ^2/NDF : 13659564.5/50
Right Out: 2307.080+/-0.554	χ^2/NDF : 5965911.1/26	- sign 1797.322+/-0.252	χ^2/NDF : 7214544.9/49
Left In: 1663.620+/-0.284	χ^2/NDF : 178858.2/22		

diff_bpm1p03aY_mean vs Slug



Right In: 0.300 ± 0.735 χ^2/NDF : 29.4/21

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

Right Out: 0.201 ± 0.643 χ^2/NDF : 32.8/26

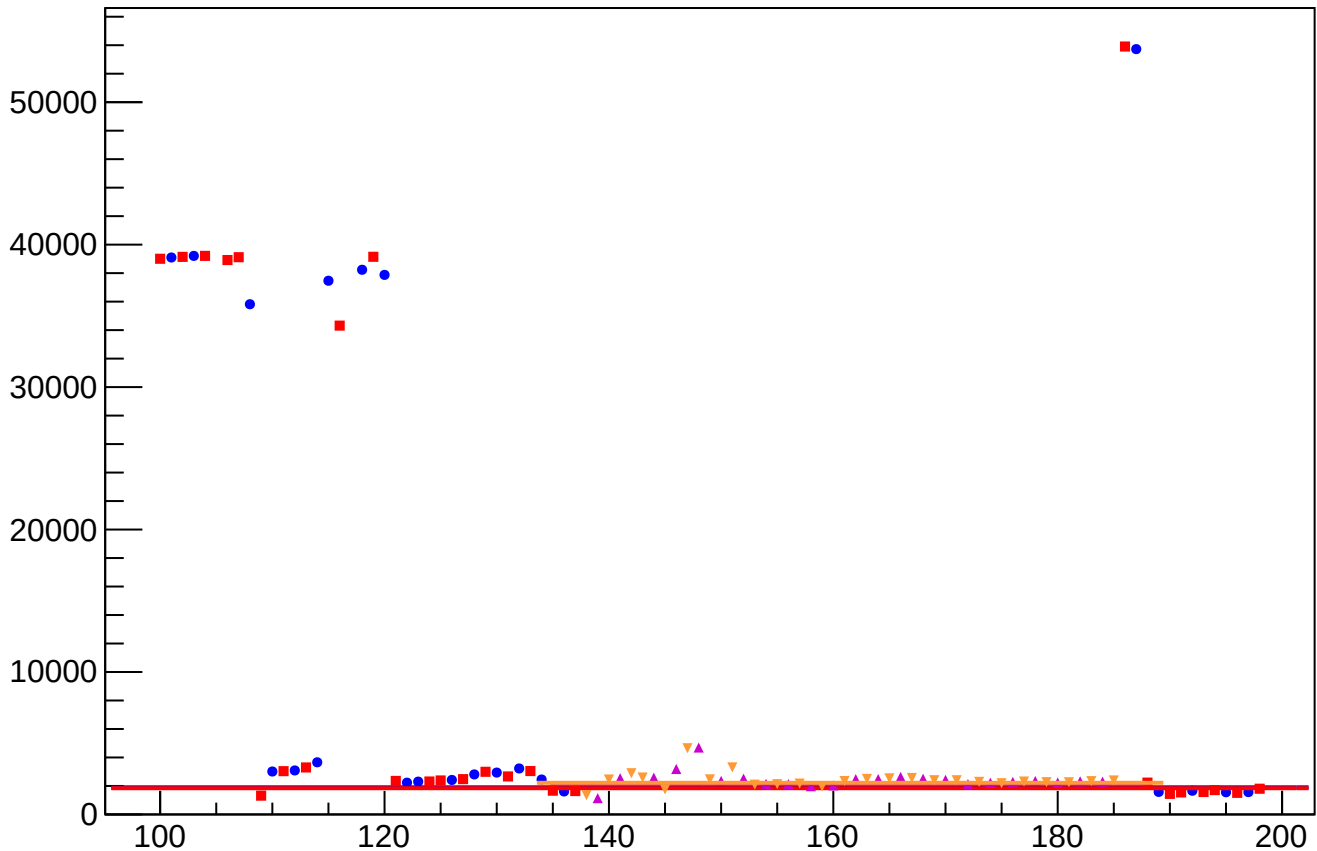
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.714 ± 0.433 χ^2/NDF : 54.0/46

All: -0.268 ± 0.299 χ^2/NDF : 108.2/96

- sign 0.141 ± 0.414 χ^2/NDF : 52.1/49

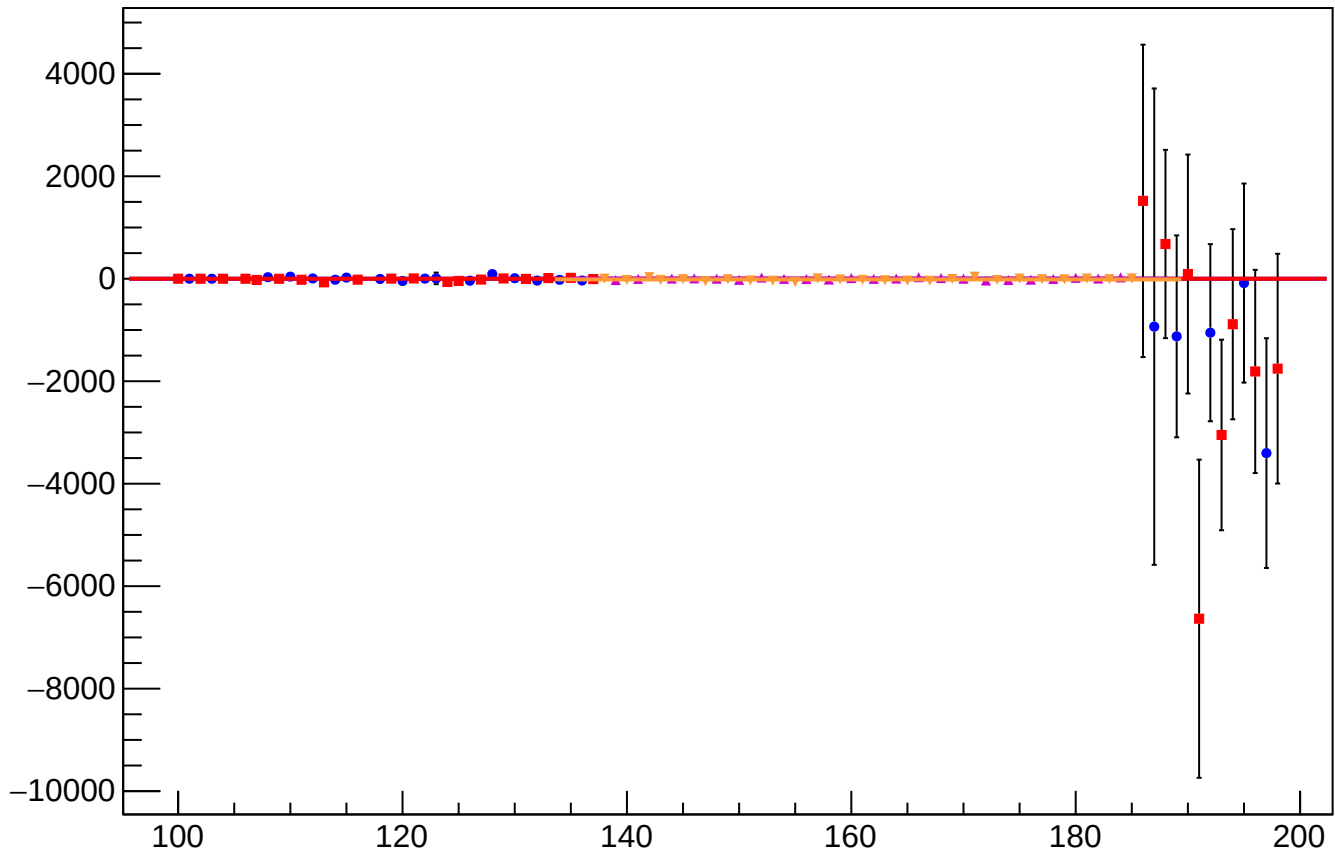
diff_bpm1p03aY_rms vs Slug



Right In: 1904.347 $\pm$ 0.520 χ^2 /NDF: 5789223.4/21
 Left Out: 2222.081 $\pm$ 0.378 χ^2 /NDF: 1422440.9/24
 Right Out: 1842.228 $\pm$ 0.454 χ^2 /NDF: 6420471.4/26
 Left In: 2169.443 $\pm$ 0.383 χ^2 /NDF: 1974869.8/22

+ sign 2112.076 $\pm$ 0.306 χ^2 /NDF: 7455856.3/46
 All: 2071.128 $\pm$ 0.211 χ^2 /NDF: 16188929.4/9
 - sign 2033.639 $\pm$ 0.293 χ^2 /NDF: 8698750.7/49

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 19.6/21

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

Right Out: 0.003 ± 0.016 χ^2/NDF : 24.8/26

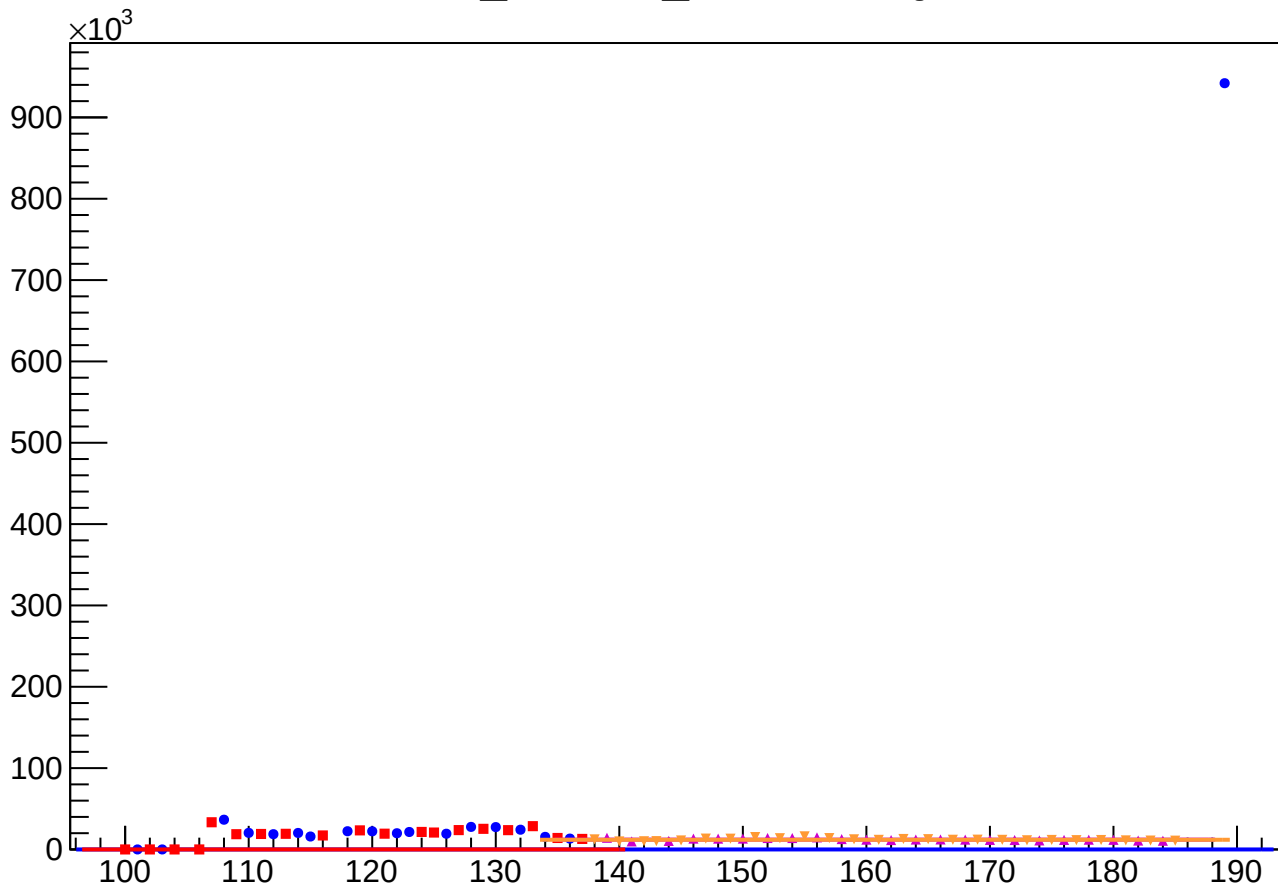
Left In: -0.459 ± 2.917 χ^2/NDF : 29.0/22

+ sign 0.013 ± 0.017 χ^2/NDF : 101.5/46

All: 0.008 ± 0.012 χ^2/NDF : 155.5/96

- sign 0.003 ± 0.016 χ^2/NDF : 53.8/49

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

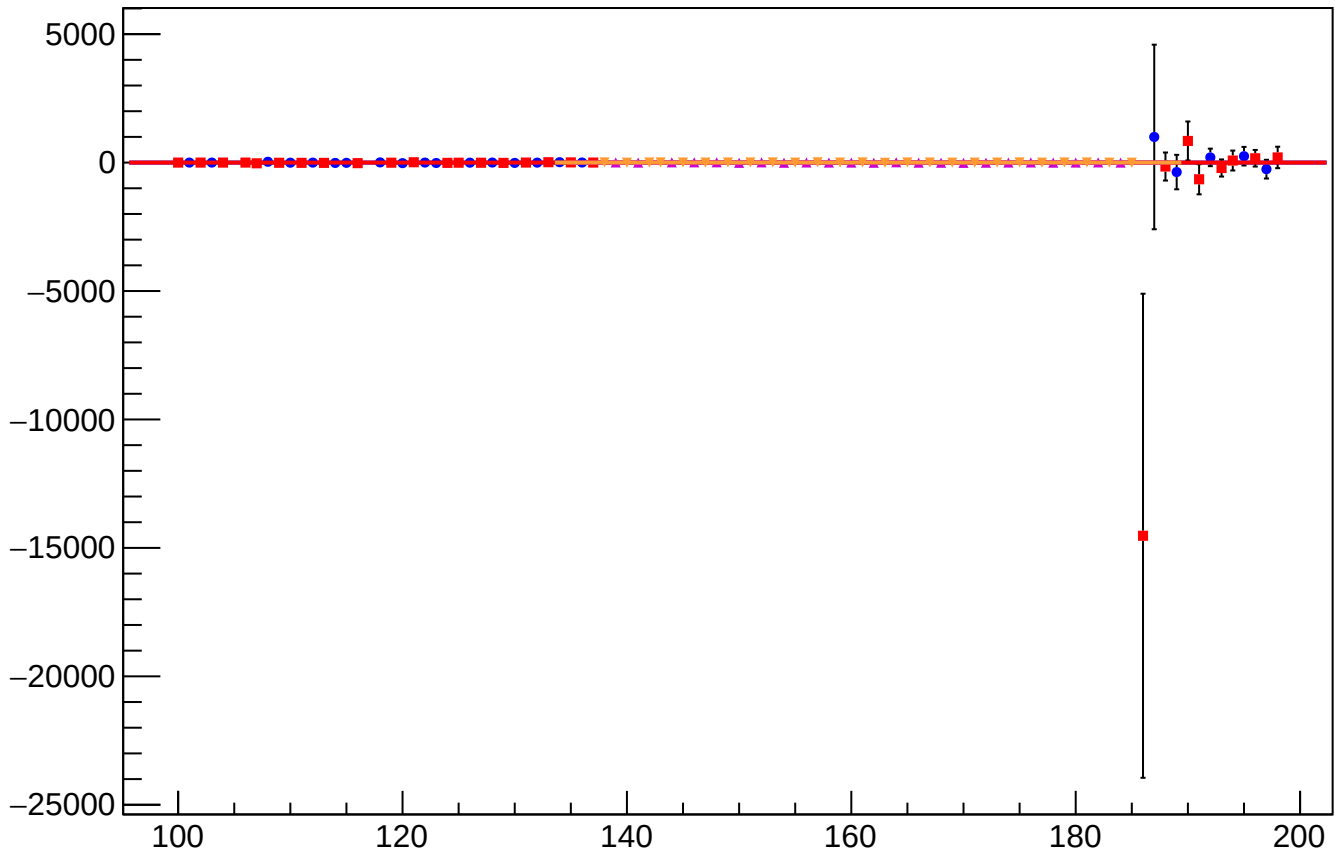
Left In: 12064.761 $\pm$ 2.062 χ^2 /NDF: 368452.5/22

+ 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: 14.6/21

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.6/26

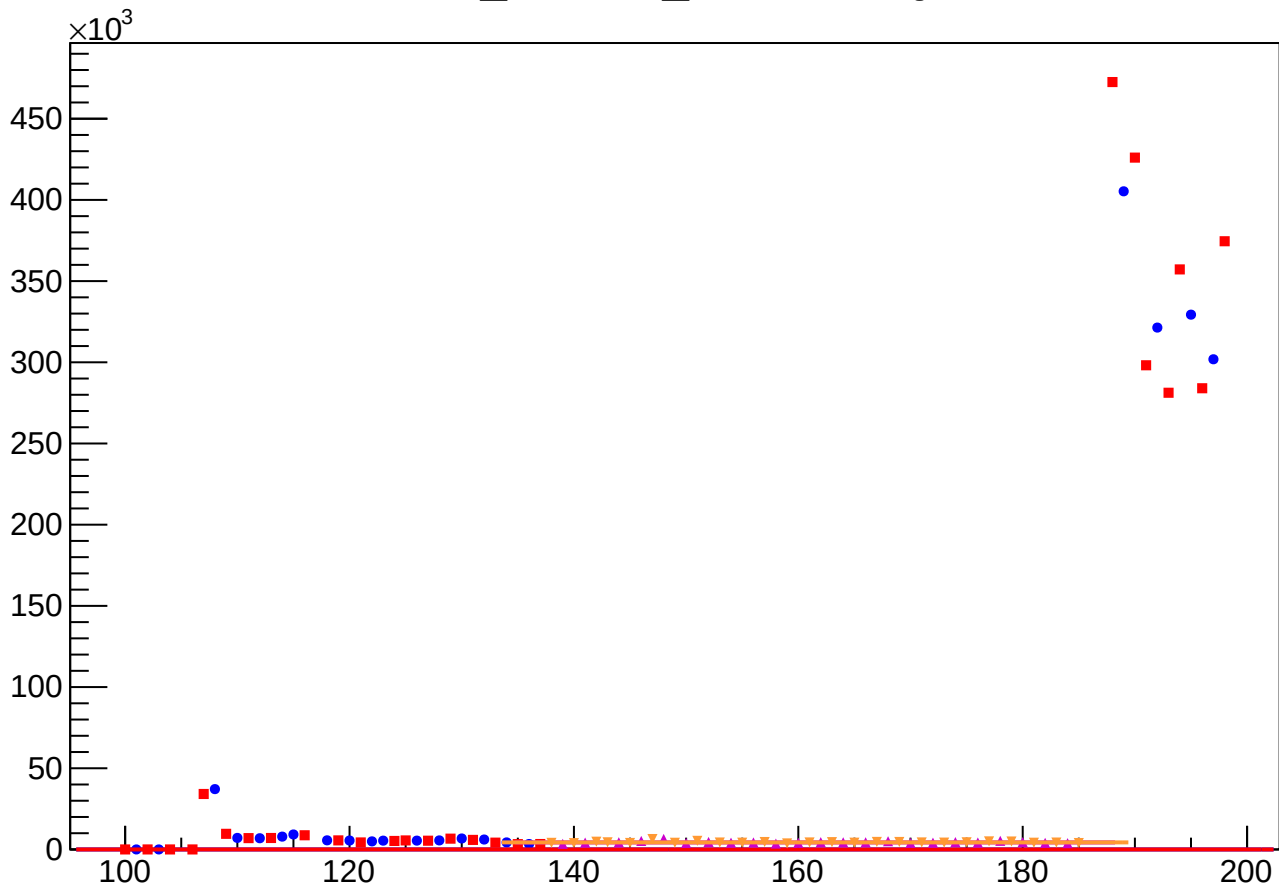
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 35.5/46

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 97.7/96

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 61.0/49

diff_cav4bY_rms vs Slug



Right In: 9.939 ± 0.007 χ^2/NDF : 16582804.3/20

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

Right Out: 9.855 ± 0.006 χ^2/NDF : 20015935.2/25

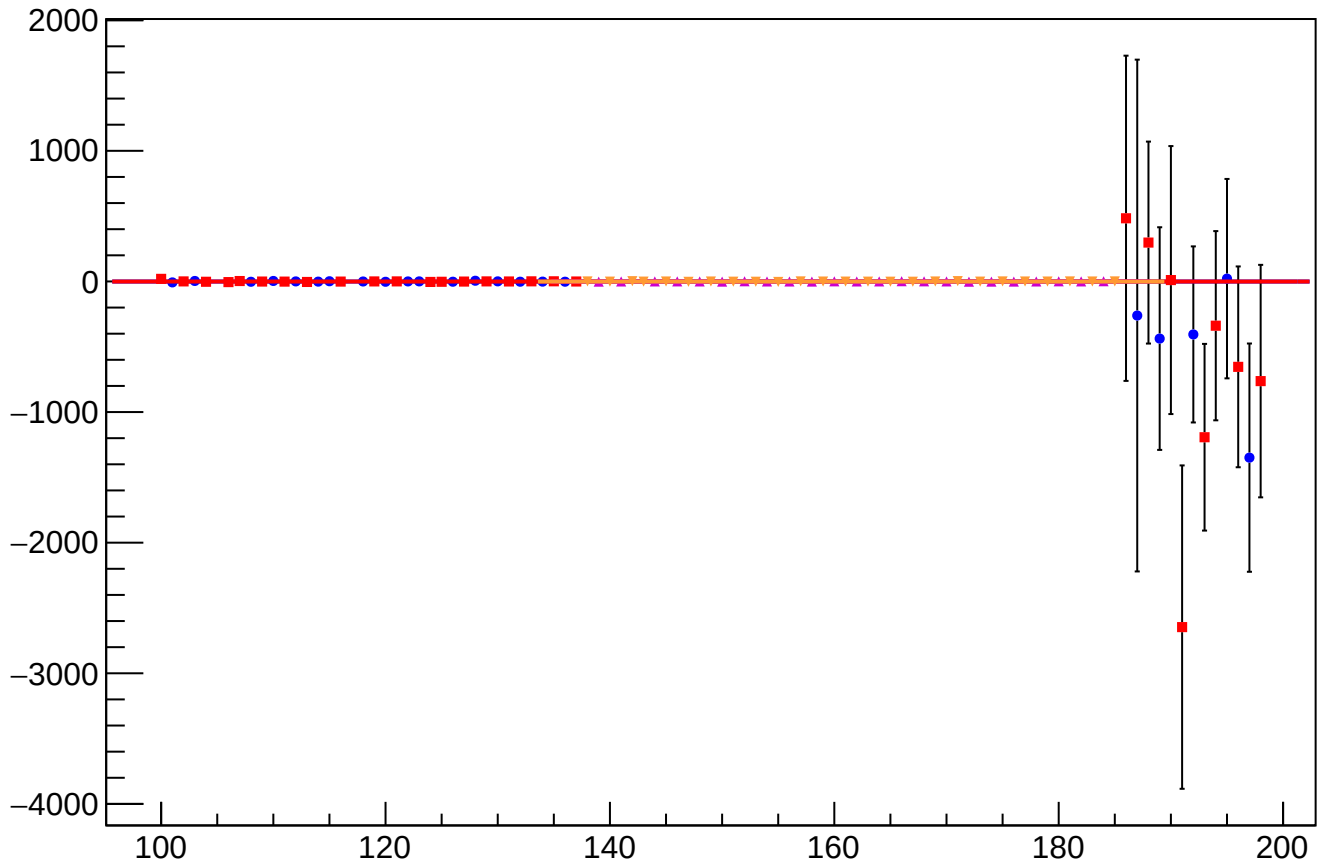
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

+ sign 10.291 ± 0.007 χ^2/NDF : 53010221.8/45

All: 10.215 ± 0.004 χ^2/NDF : 107359776.4/94

- sign 10.148 ± 0.006 χ^2/NDF : 54349299.6/48

diff_cav4cX_mean vs Slug



Right In: -0.714 ± 0.483 χ^2/NDF : 25.7/21

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

Right Out: -0.639 ± 0.501 χ^2/NDF : 22.4/26

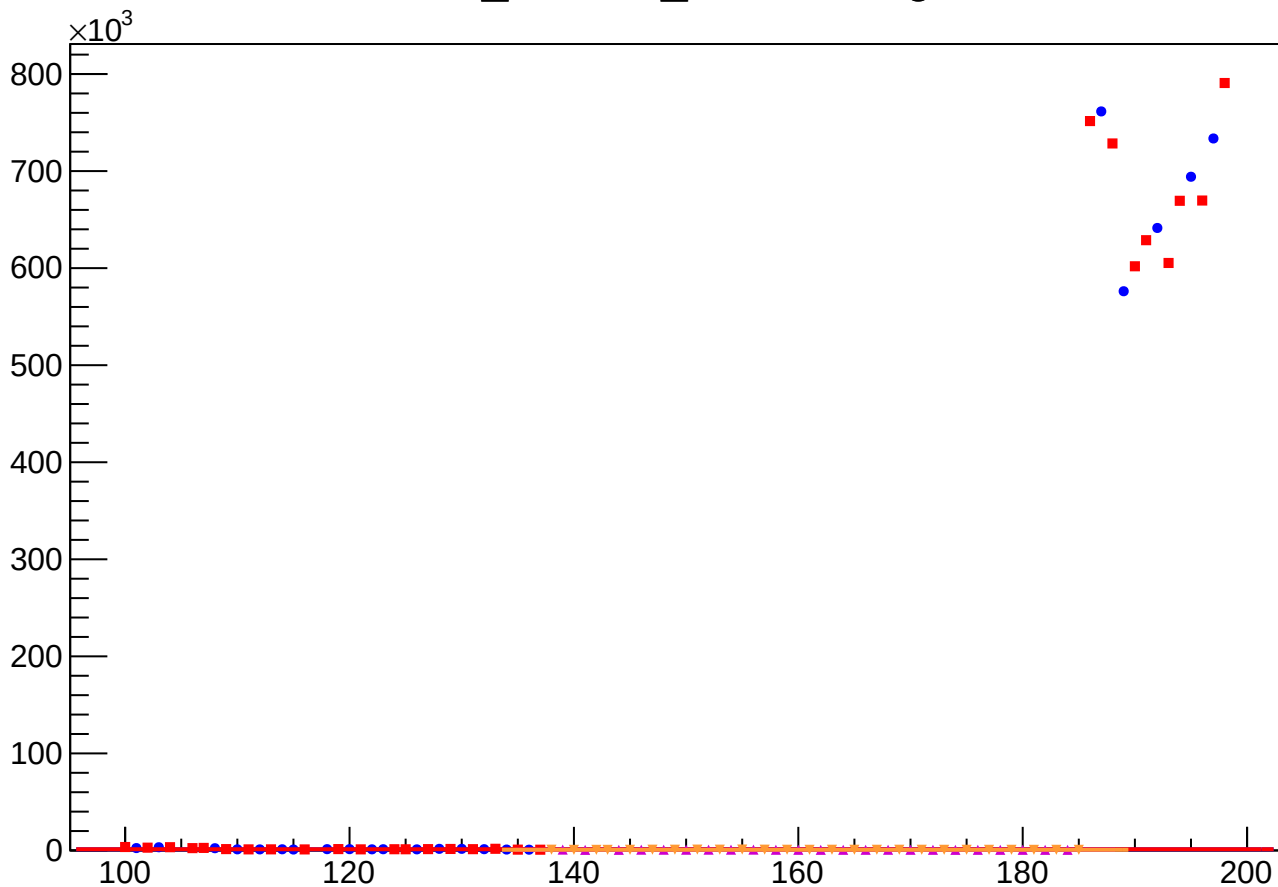
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 84.3/46

All: -0.438 ± 0.112 χ^2/NDF : 146.8/96

- sign -0.083 ± 0.162 χ^2/NDF : 53.2/49

diff_cav4cX_rms vs Slug



Right In: 1168.181 $\pm$ 0.342 χ^2 /NDF: 7642125.8/21

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

Right Out: 1249.726 $\pm$ 0.355 χ^2 /NDF: 11470281.9/26

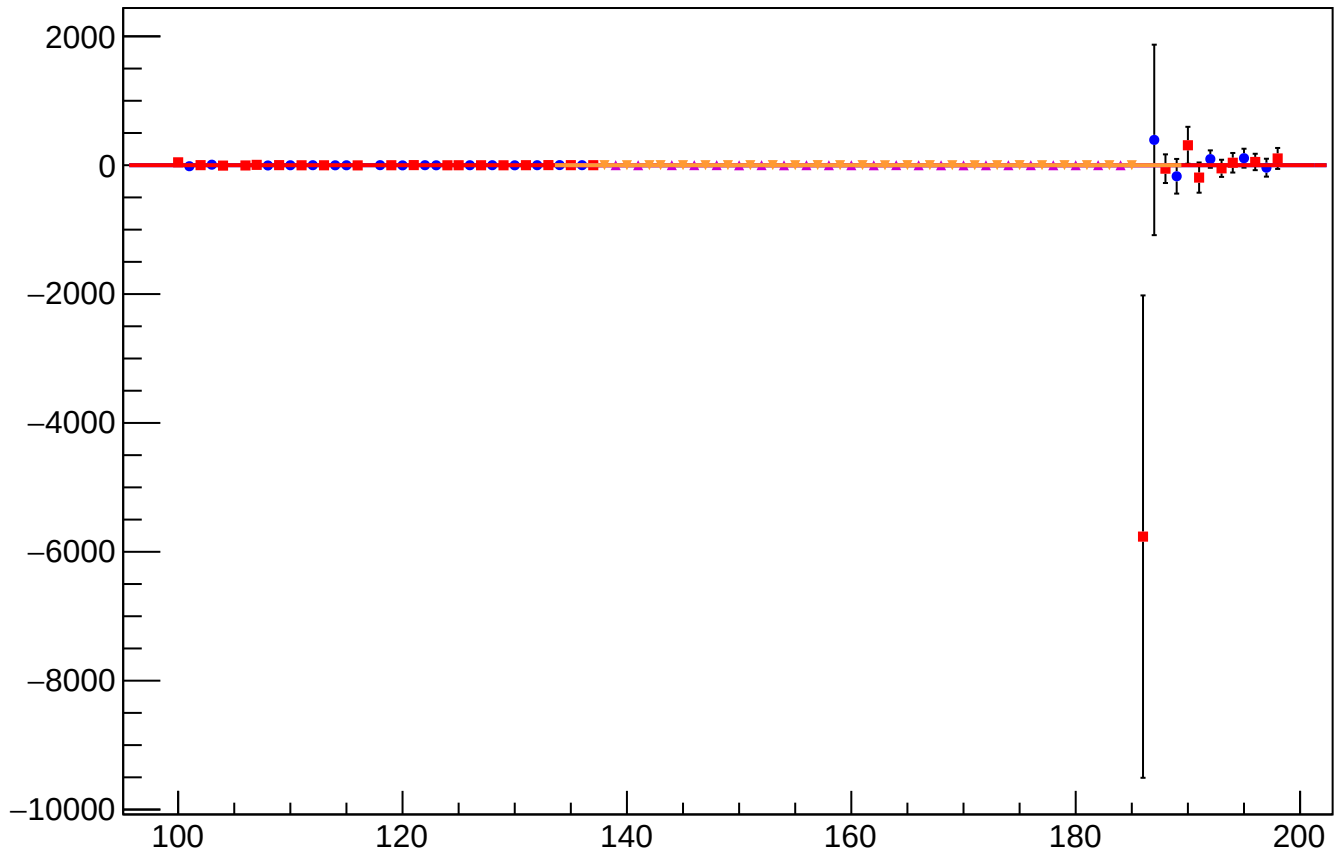
Left In: 706.971 $\pm$ 0.121 χ^2 /NDF: 332011.4/22

+ sign 749.562 $\pm$ 0.110 χ^2 /NDF: 9710829.9/46

All: 756.213 $\pm$ 0.079 χ^2 /NDF: 23620021.7/96

- sign 763.375 $\pm$ 0.114 χ^2 /NDF: 13901620.4/49

diff_cav4cY_mean vs Slug



Right In: -0.059 ± 0.269 χ^2/NDF : 20.7/21

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

Right Out: 0.280 ± 0.264 χ^2/NDF : 25.6/26

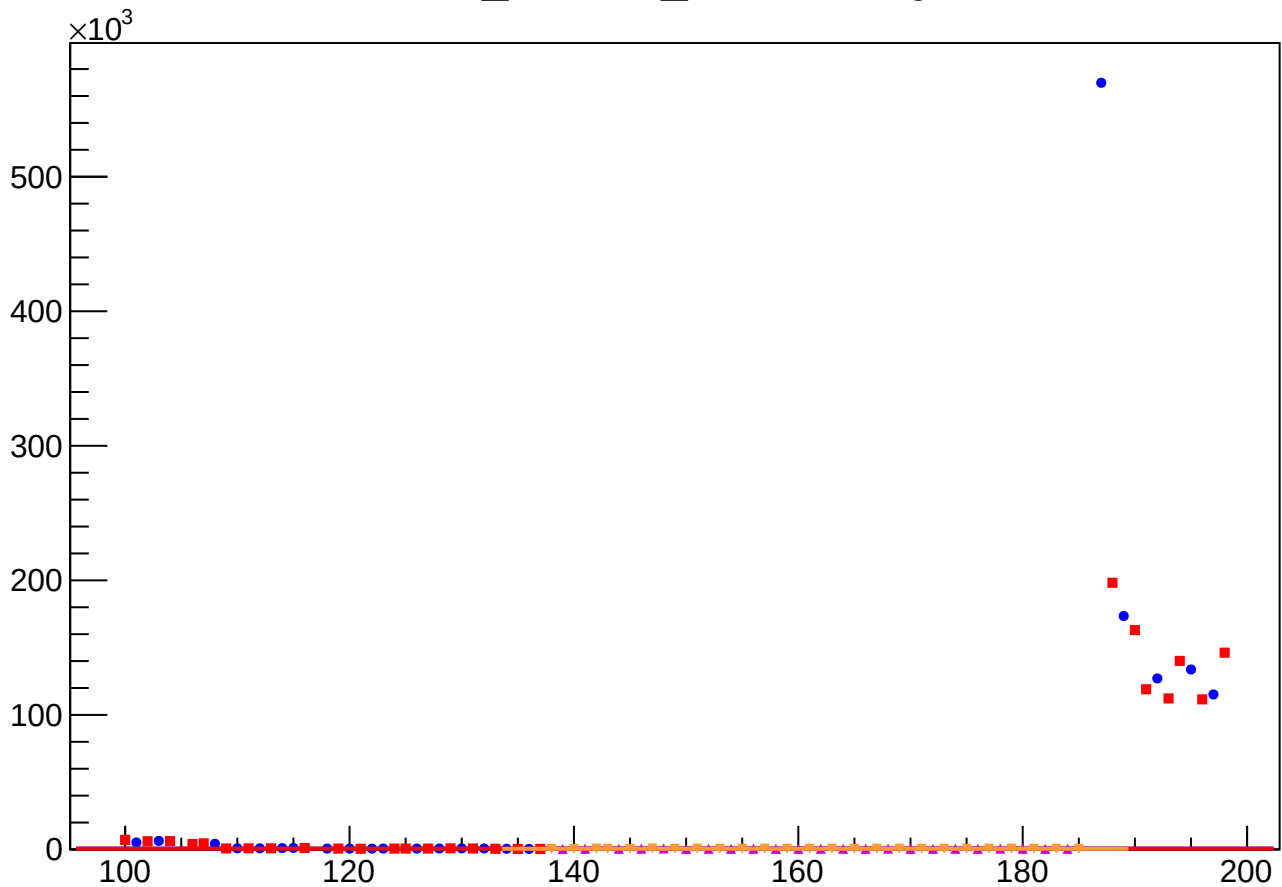
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.183 ± 0.112 χ^2/NDF : 39.7/46

All: 0.169 ± 0.080 χ^2/NDF : 100.5/96

- sign 0.154 ± 0.114 χ^2/NDF : 60.8/49

diff_cav4cY_rms vs Slug



Right In: 610.955 ± 0.190 χ^2/NDF : 9017393.1/21

Left Out: 522.220 ± 0.087 χ^2/NDF : 330405.3/24

Right Out: 601.117 ± 0.187 χ^2/NDF : 12507595.4/25

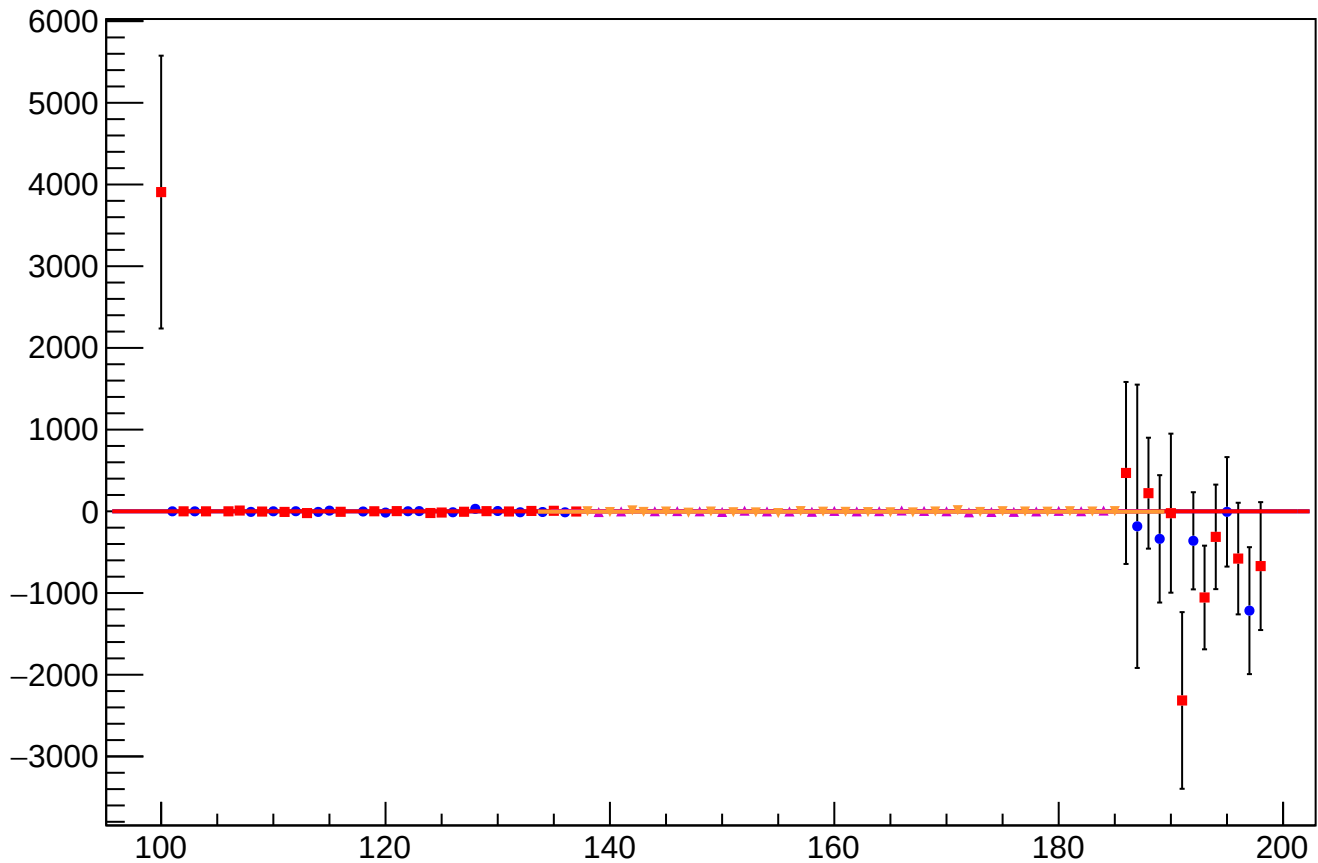
Left In: 520.700 ± 0.089 χ^2/NDF : 427720.5/22

+ sign 537.483 ± 0.079 χ^2/NDF : 9527999.3/46

All: 536.565 ± 0.056 χ^2/NDF : 22614285.0/95

- sign 535.609 ± 0.081 χ^2/NDF : 13086009.3/48

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 19.0/21

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

Right Out: -0.027 ± 0.020 χ^2/NDF : 26.8/26

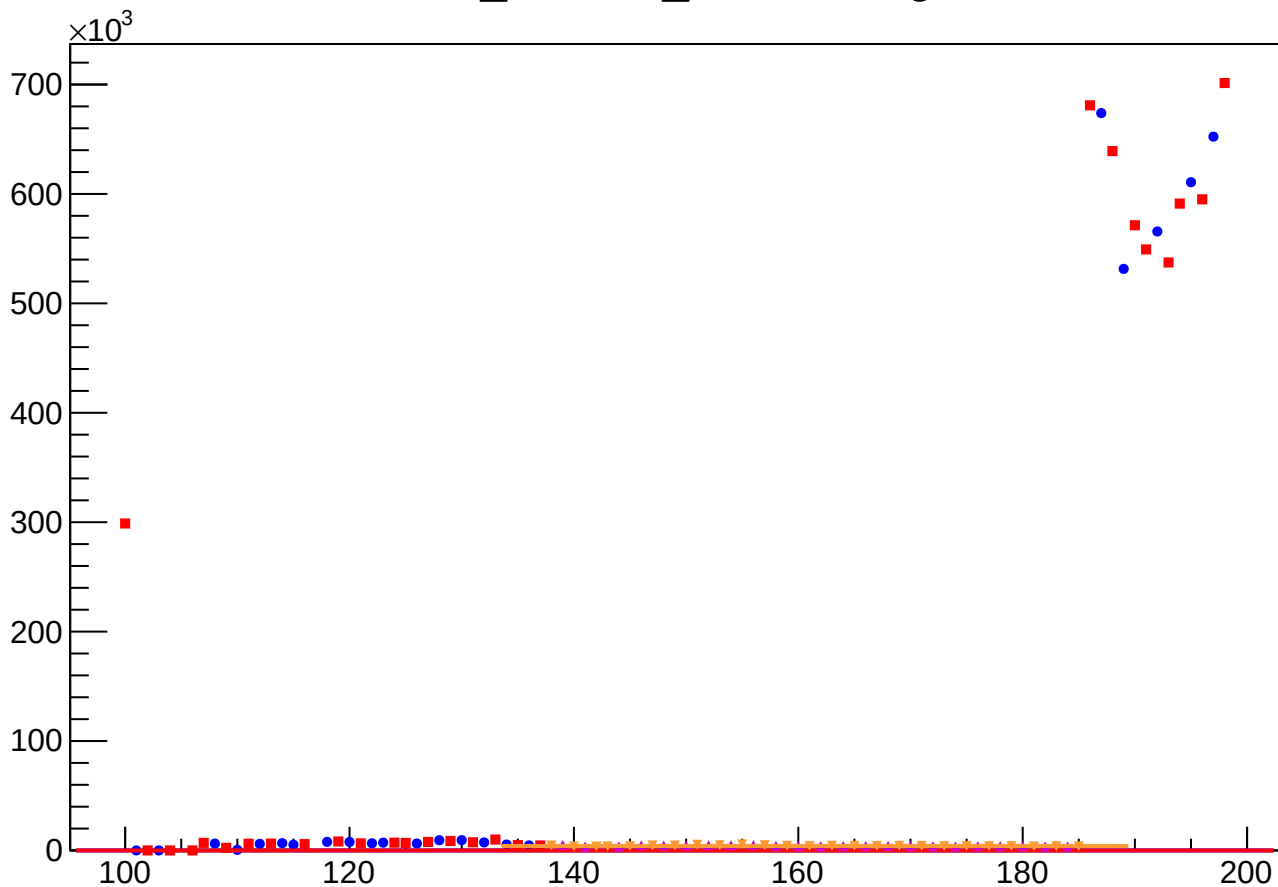
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 99.1/46

All: -0.025 ± 0.014 χ^2/NDF : 155.4/96

- sign -0.027 ± 0.020 χ^2/NDF : 56.3/49

diff_cav4dX_rms vs Slug



Right In: 17.341 $\pm$ 0.015 χ^2 /NDF: 16571528.3/21

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

Right Out: 17.271 $\pm$ 0.014 χ^2 /NDF: 20737054.4/26

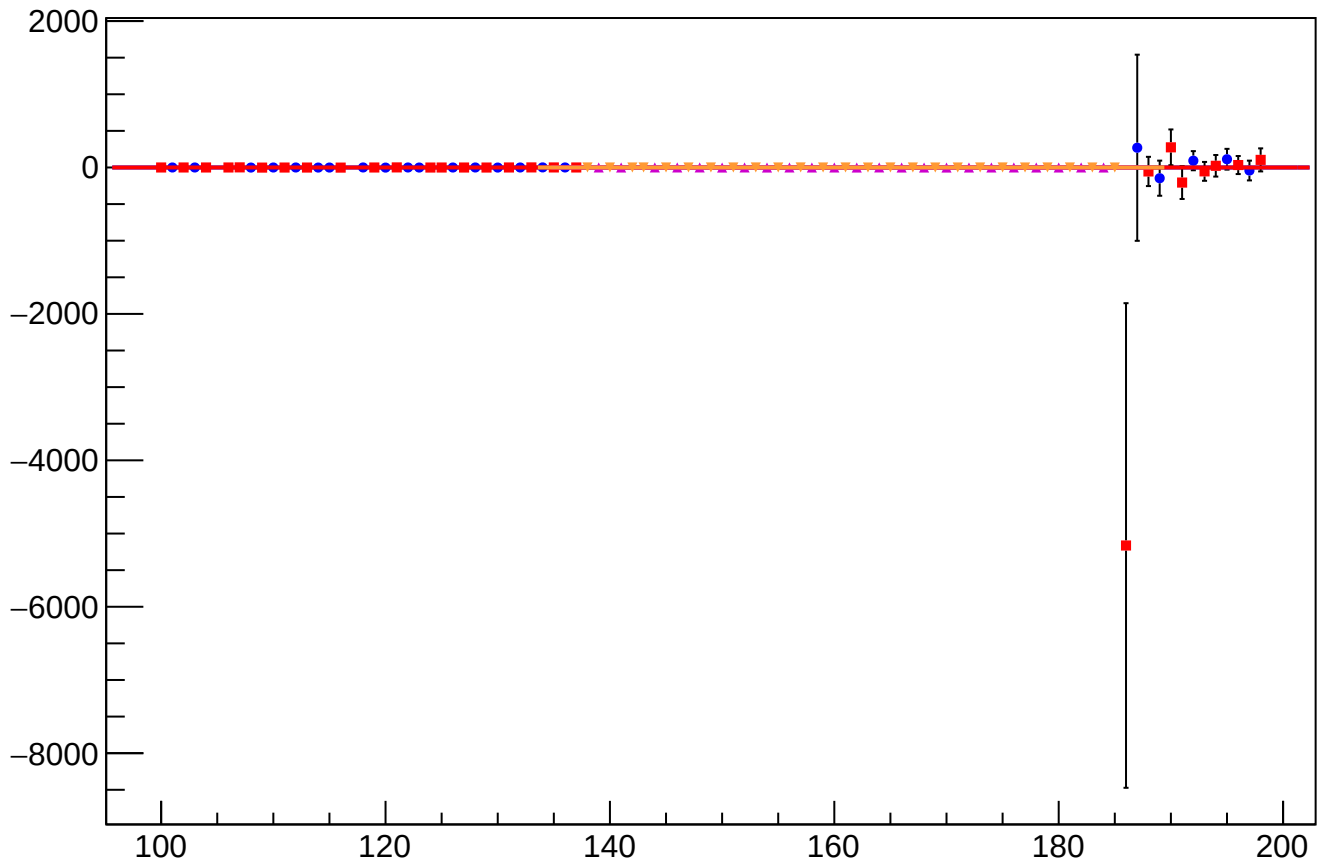
Left In: 4113.993 $\pm$ 0.703 χ^2 /NDF: 349160.6/22

+ sign 19.256 $\pm$ 0.015 χ^2 /NDF: 52921657.7/46

All: 19.065 $\pm$ 0.010 χ^2 /NDF: 107964125.8/96

- sign 18.892 $\pm$ 0.014 χ^2 /NDF: 55042145.5/49

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.2/21

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

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.5/26

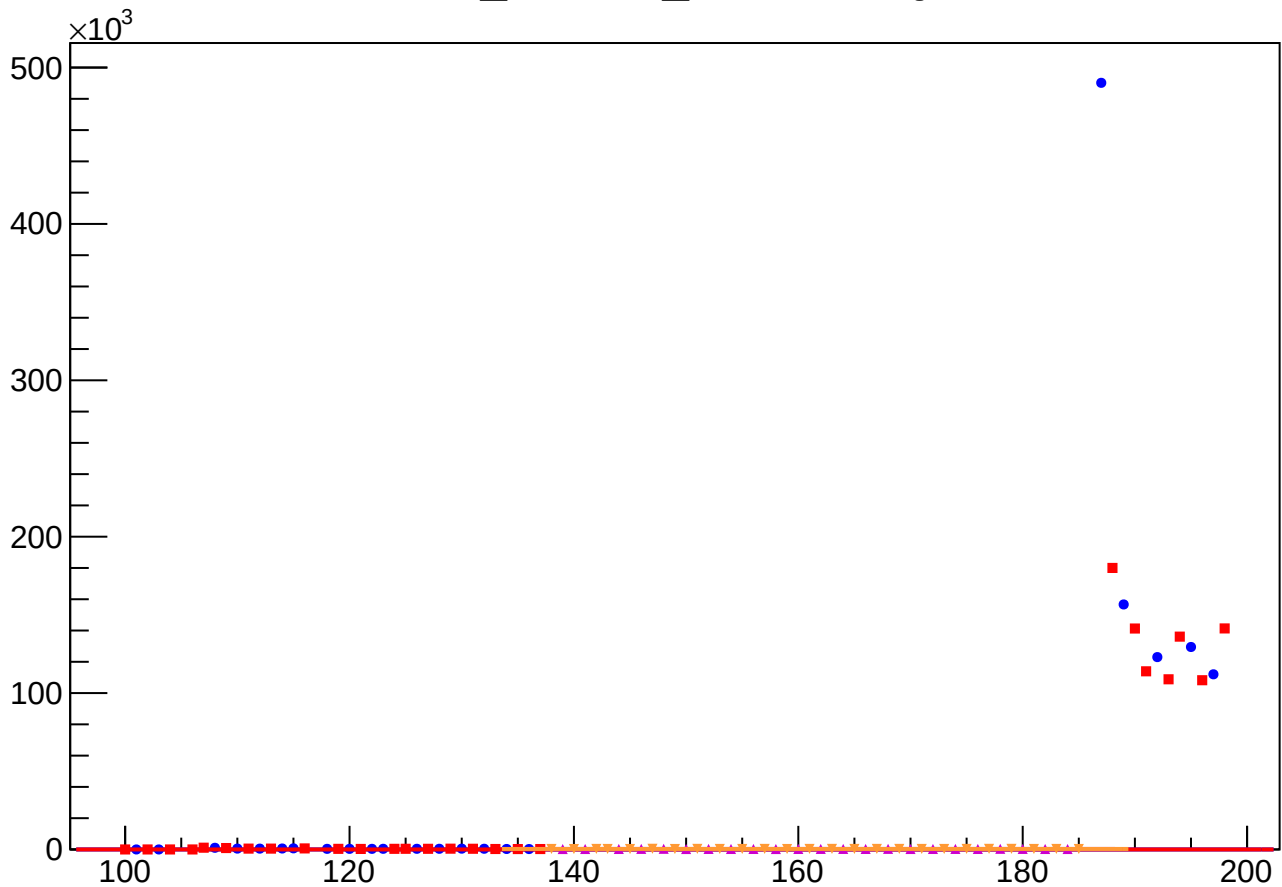
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF: 34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 36.3/46

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 95.5/96

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 59.1/49

diff_cav4dY_rms vs Slug



Right In: 1.699 ± 0.001 χ^2/NDF : 16970205.9/21

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

Right Out: 1.728 ± 0.001 χ^2/NDF : 19789767.5/25

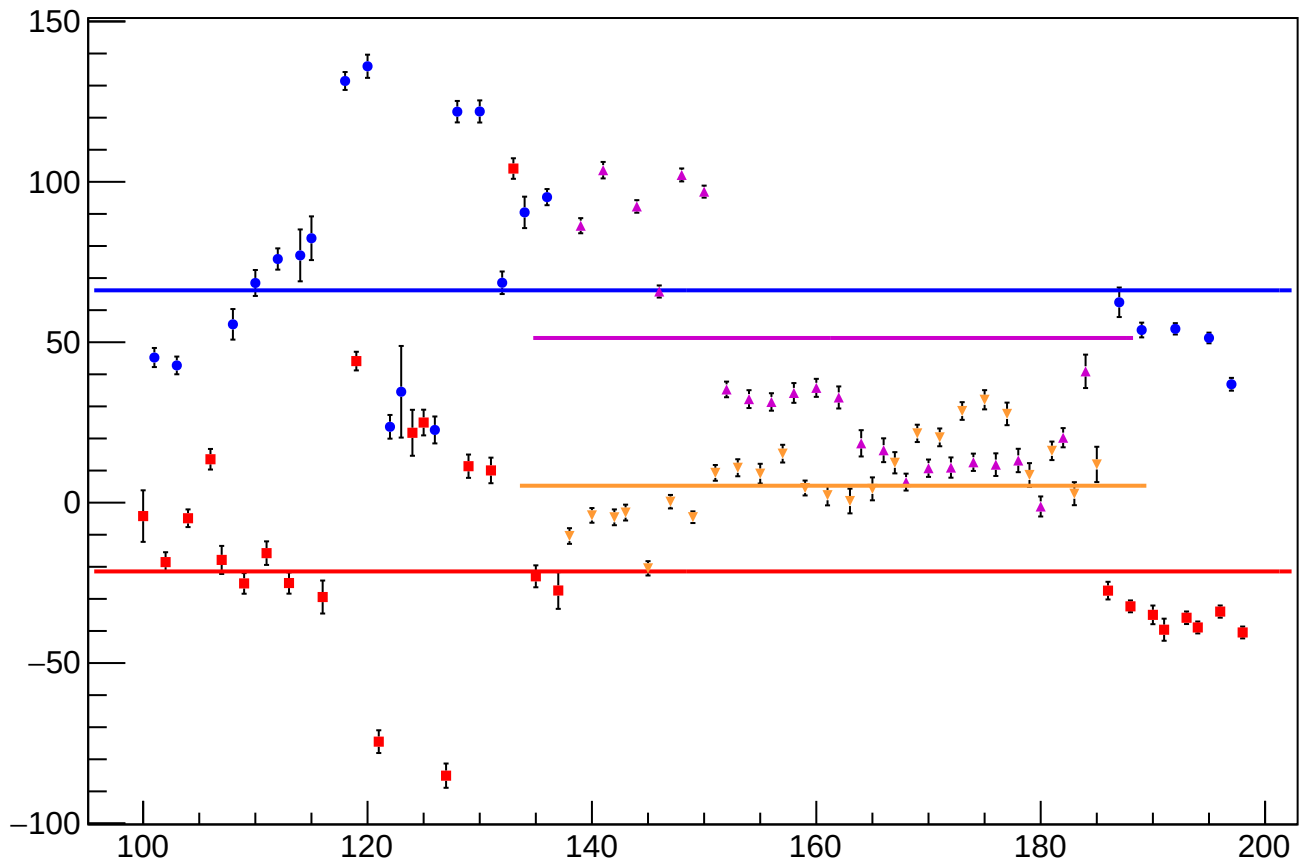
Left In: 325.626 ± 0.056 χ^2/NDF : 413350.0/22

+ sign 1.926 ± 0.001 χ^2/NDF : 53182093.8/46

All: 1.925 ± 0.001 χ^2/NDF : 107109767.8/95

- sign 1.924 ± 0.001 χ^2/NDF : 53927672.7/48

diff_bpm0i01X_mean vs Slug



Right In: 66.180 ± 0.640 χ^2/NDF : 2375.1/21

Left Out: 5.276 ± 0.544 χ^2/NDF : 556.2/24

Right Out: -21.442 ± 0.563 χ^2/NDF : 3419.9/26

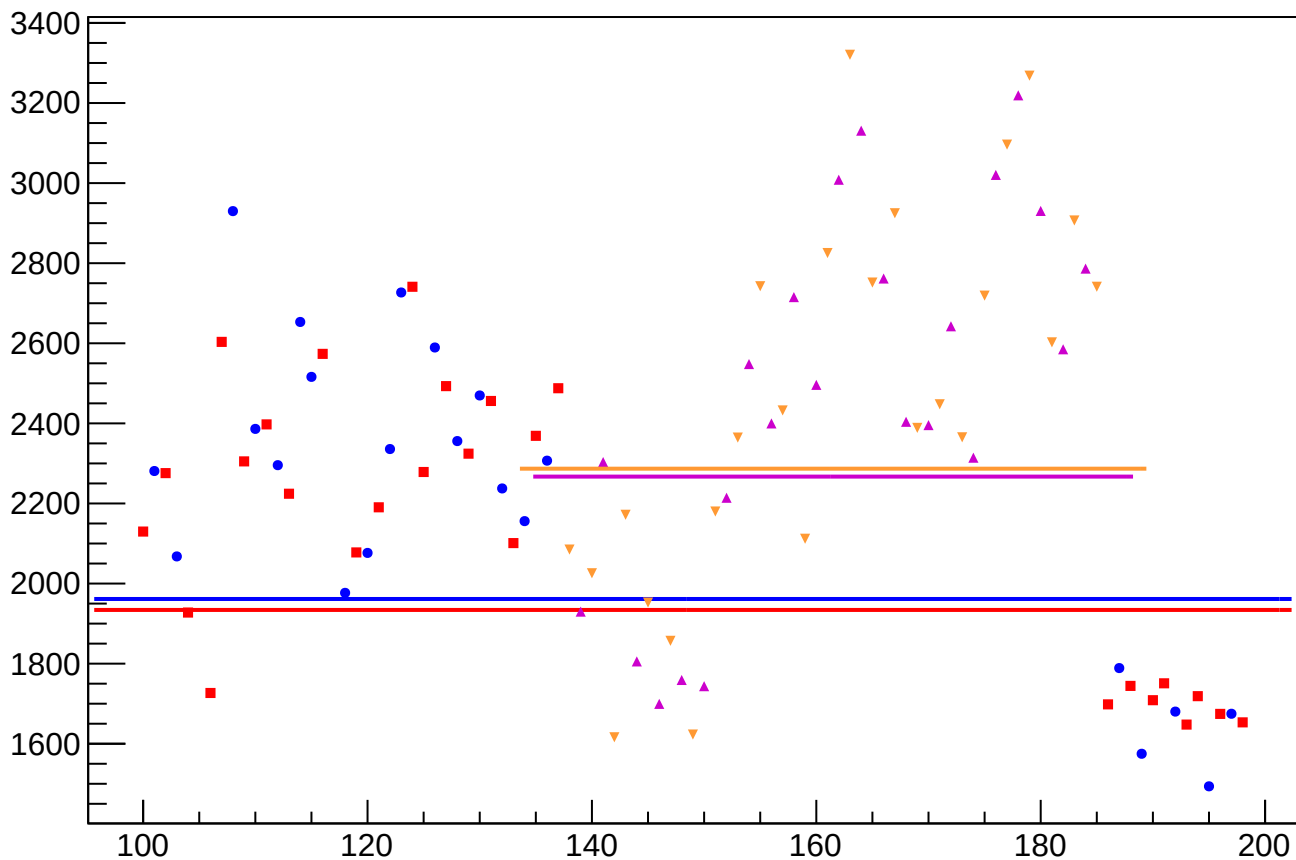
Left In: 51.328 ± 0.558 χ^2/NDF : 4257.8/22

+ sign 30.813 ± 0.415 χ^2/NDF : 8183.5/46

All: 22.682 ± 0.287 χ^2/NDF : 25018.2/96

- sign 15.250 ± 0.396 χ^2/NDF : 16098.9/49

diff_bpm0i01X_rms vs Slug



Right In: 1961.483+/-0.453 χ^2/NDF : 685533.0/21

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

Right Out: 1934.111+/-0.398 χ^2/NDF : 605730.2/26

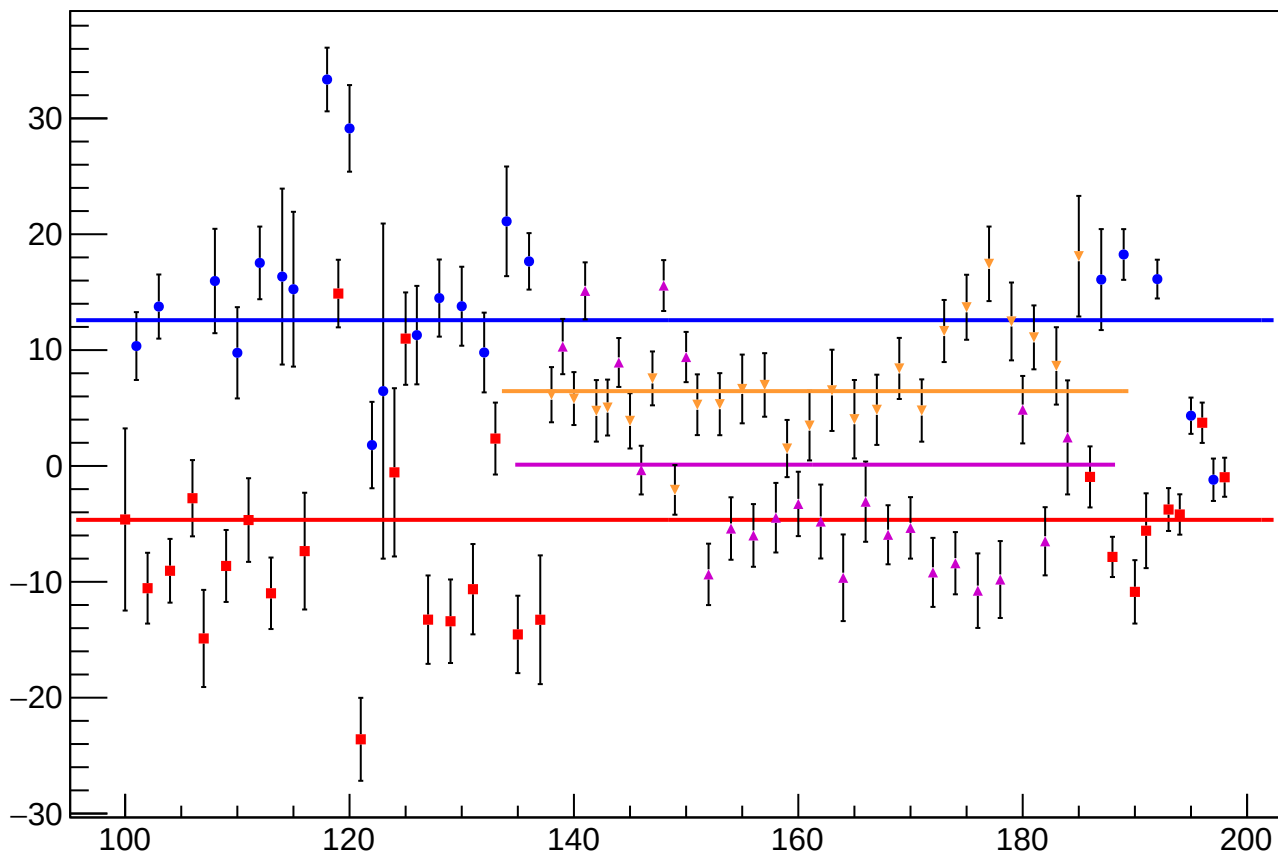
Left In: 2267.097+/-0.395 χ^2/NDF : 1313364.4/22

+ sign 2150.435+/-0.293 χ^2/NDF : 2345858.6/46

All: 2125.136+/-0.203 χ^2/NDF : 4631861.3/96

- sign 2102.009+/-0.280 χ^2/NDF : 2271753.3/49

diff_bpm0i01Y_mean vs Slug



Right In: 12.582 ± 0.616 χ^2/NDF : 195.1/21

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

Right Out: -4.651 ± 0.538 χ^2/NDF : 175.7/26

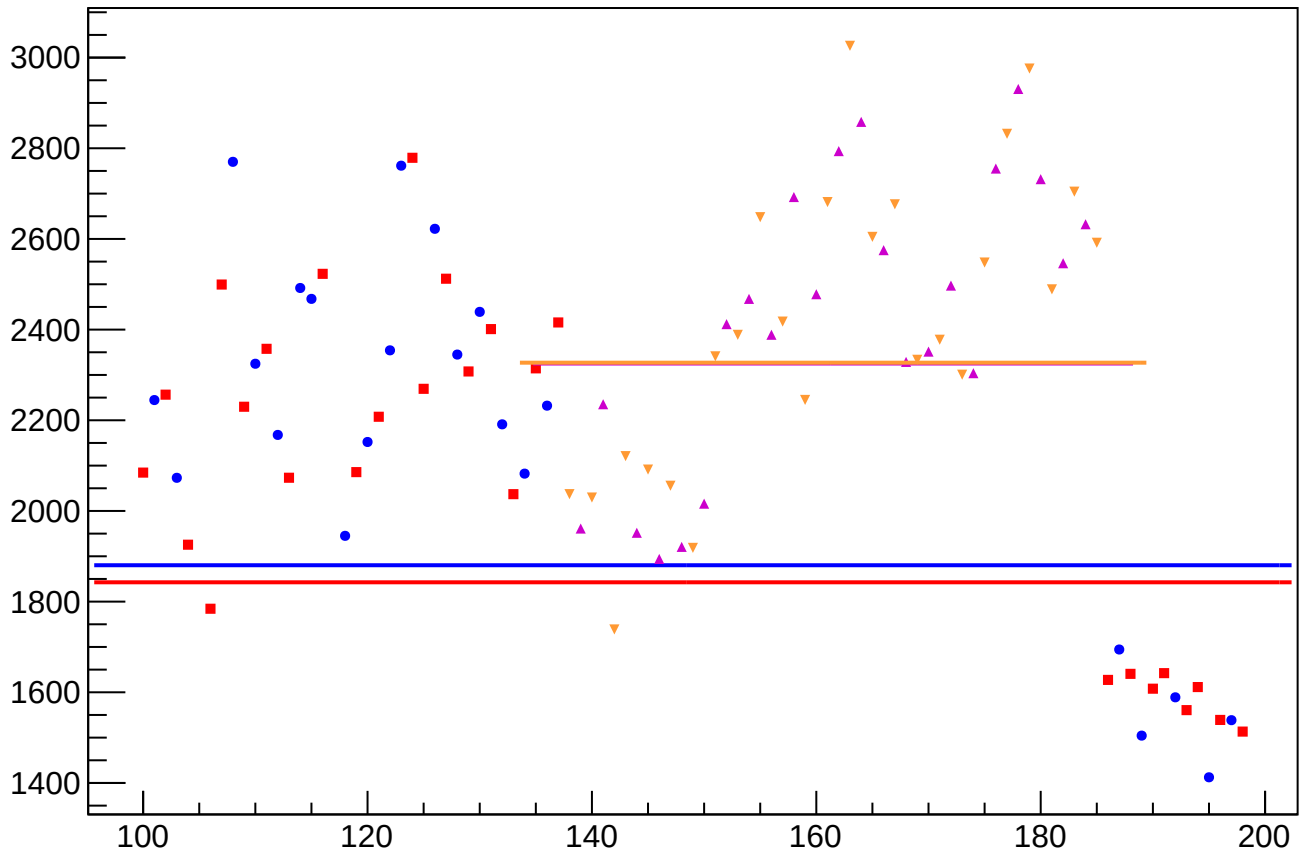
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 9.163 ± 0.409 χ^2/NDF : 309.1/46

All: 3.107 ± 0.282 χ^2/NDF : 1174.3/96

- sign -2.386 ± 0.390 χ^2/NDF : 447.5/49

diff_bpm0i01Y_rms vs Slug



Right In: 1880.253 $\pm$ 0.435 χ^2 /NDF: 827815.9/21

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

Right Out: 1842.612 $\pm$ 0.381 χ^2 /NDF: 786995.3/26

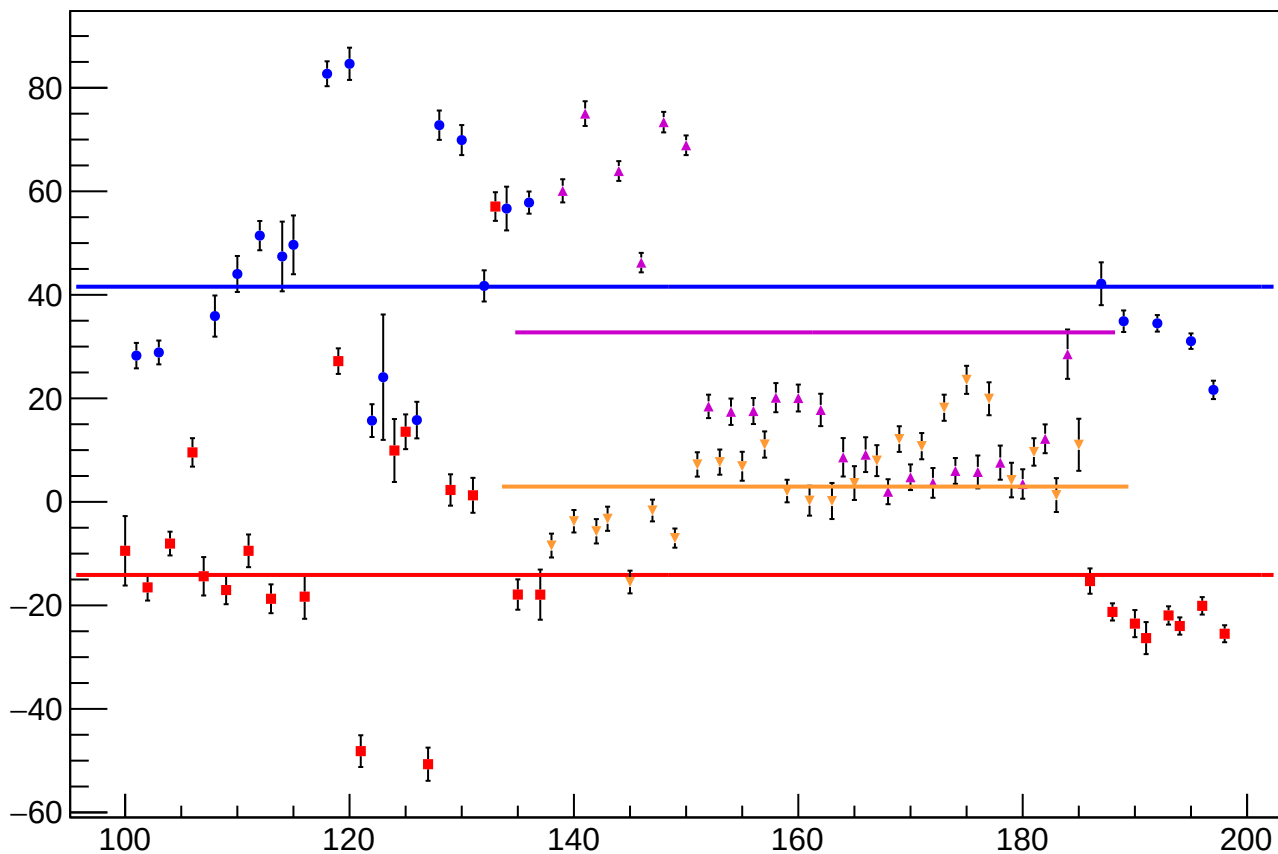
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 2129.751 $\pm$ 0.289 χ^2 /NDF: 2062530.3/46

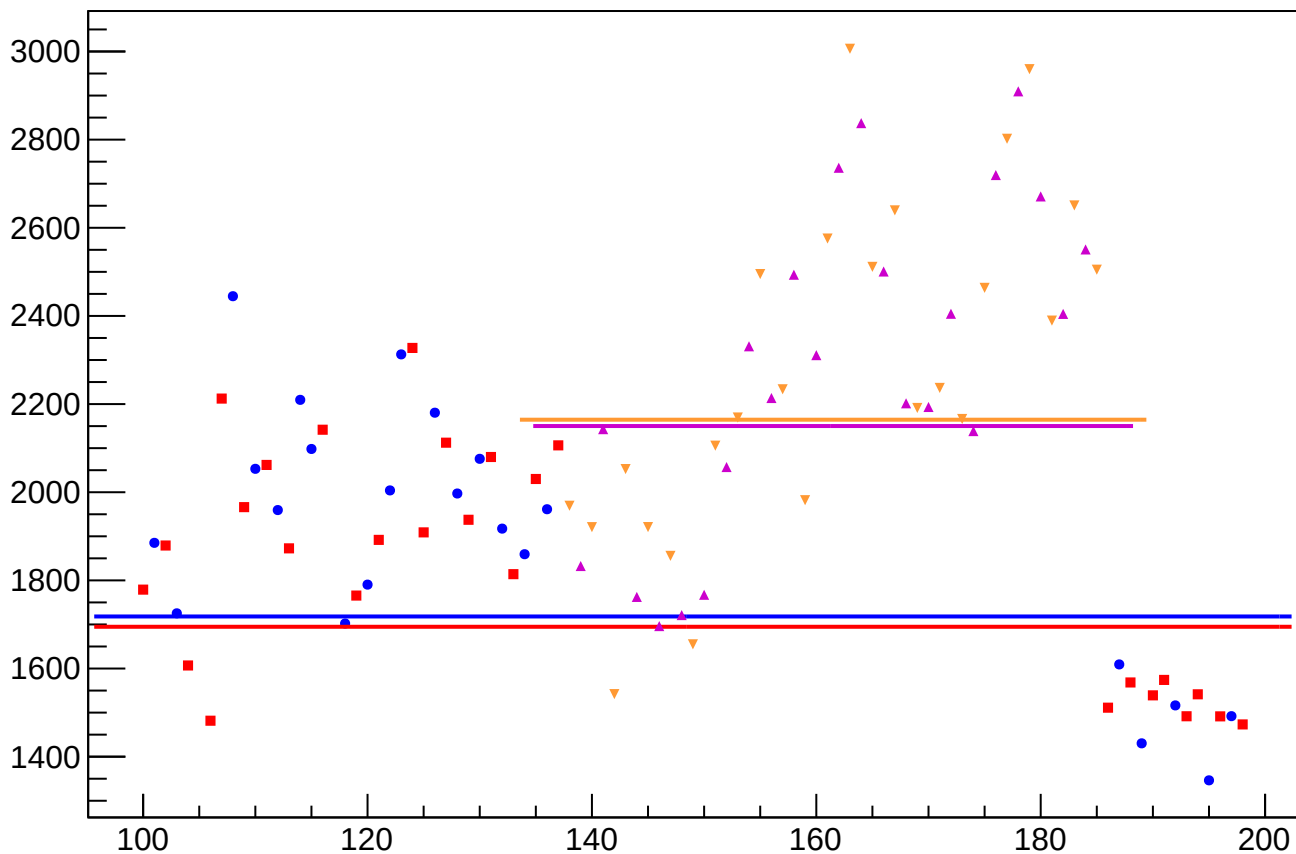
All: 2099.524 $\pm$ 0.200 χ^2 /NDF: 4245782.1/96

- sign 2072.100 $\pm$ 0.276 χ^2 /NDF: 2162434.8/49

diff_bpm0i01aX_mean vs Slug



diff_bpm0i01aX_rms vs Slug



Right In: 1718.128+/-0.394 χ^2/NDF : 499510.7/21

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

Right Out: 1694.758+/-0.348 χ^2/NDF : 439807.3/26

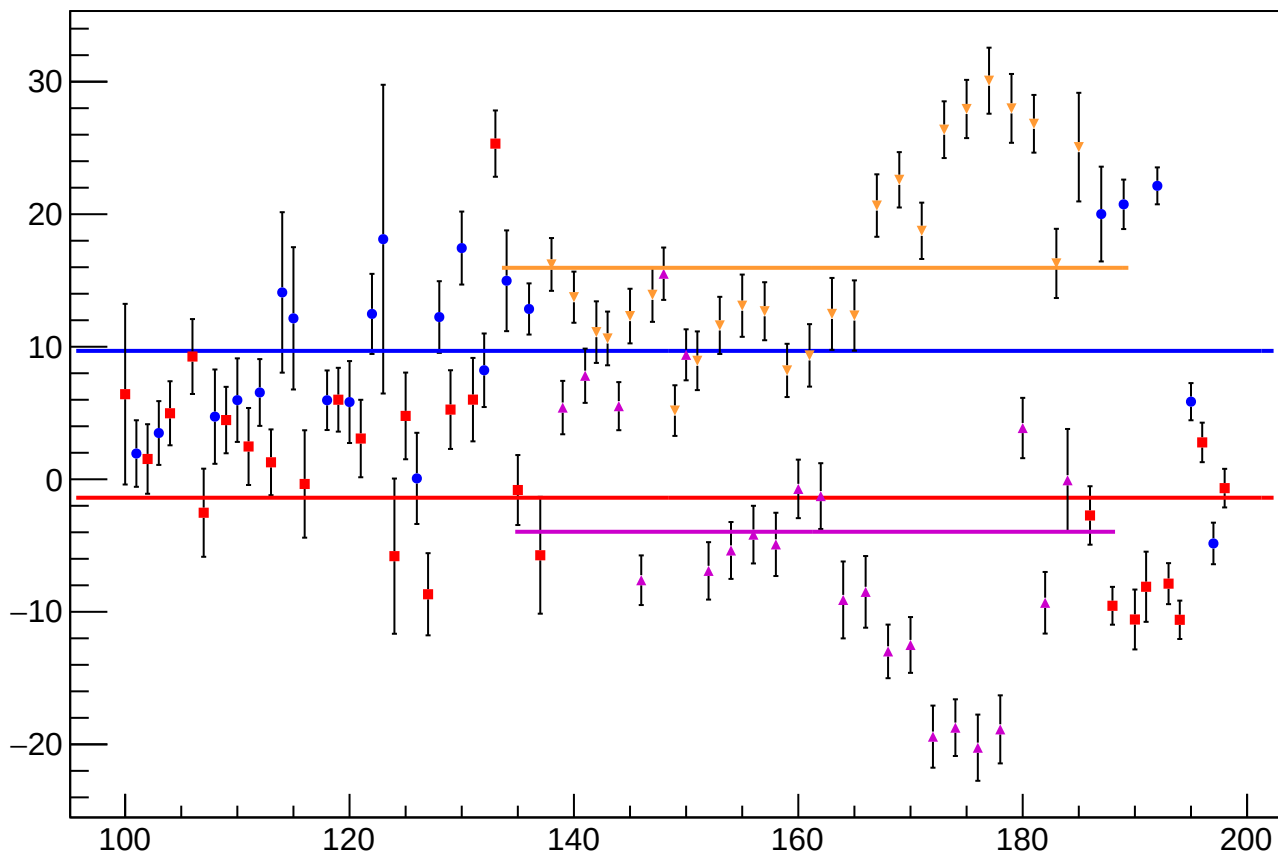
Left In: 2150.190+/-0.372 χ^2/NDF : 911849.7/22

+ sign 1960.482+/-0.267 χ^2/NDF : 2160473.9/46

All: 1932.440+/-0.184 χ^2/NDF : 4333423.6/96

- sign 1907.012+/-0.254 χ^2/NDF : 2151870.7/49

diff_bpm0i01aY_mean vs Slug



Right In: 9.688 ± 0.515 χ^2/NDF : 265.7/21

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

Right Out: -1.391 ± 0.448 χ^2/NDF : 301.5/26

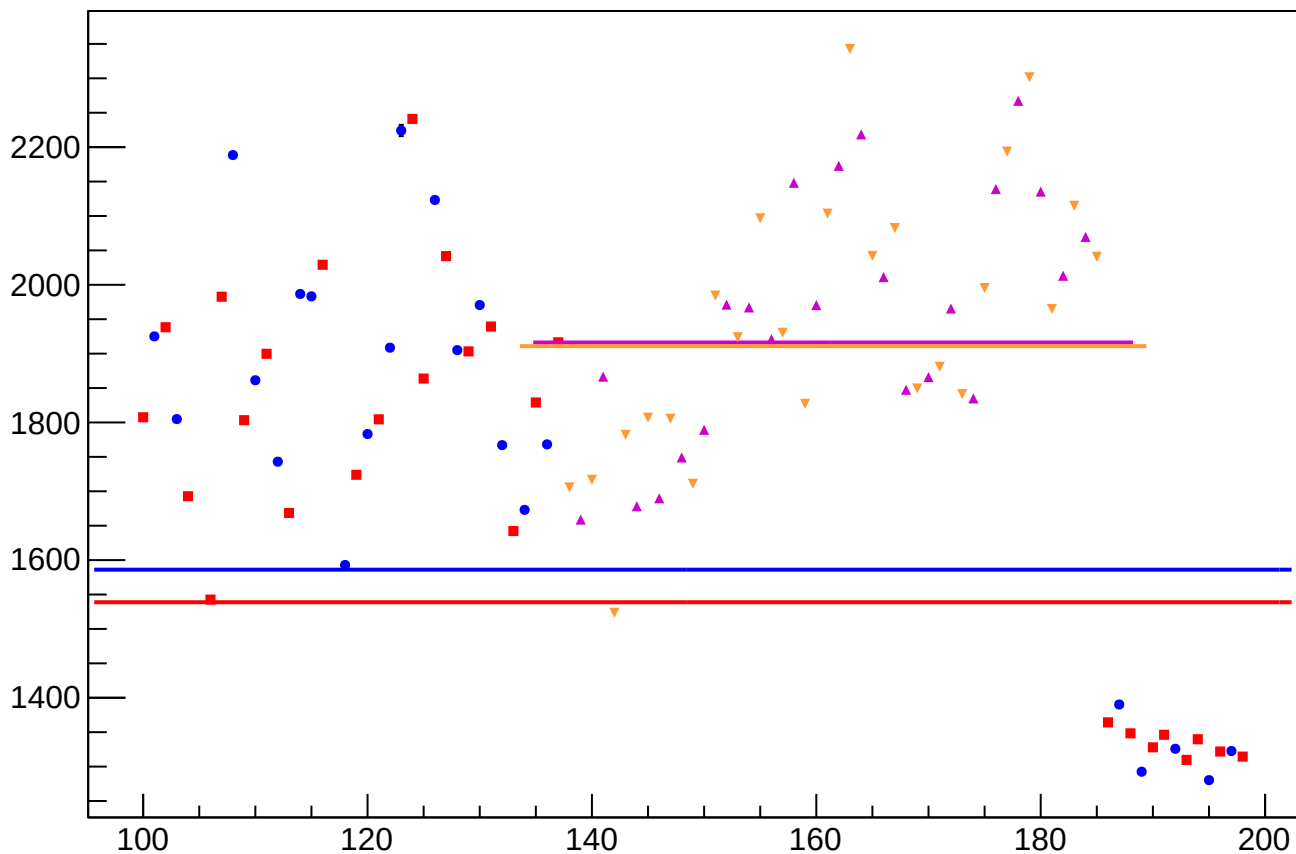
Left In: -3.960 ± 0.463 χ^2/NDF : 464.9/22

+ sign 13.262 ± 0.338 χ^2/NDF : 595.2/46

All: 4.927 ± 0.233 χ^2/NDF : 2538.3/96

- sign -2.633 ± 0.322 χ^2/NDF : 782.3/49

diff_bpm0i01aY_rms vs Slug



Right In: 1586.112 $\pm$ 0.364 χ^2 /NDF: 609687.6/21

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

Right Out: 1538.788 $\pm$ 0.316 χ^2 /NDF: 663118.2/26

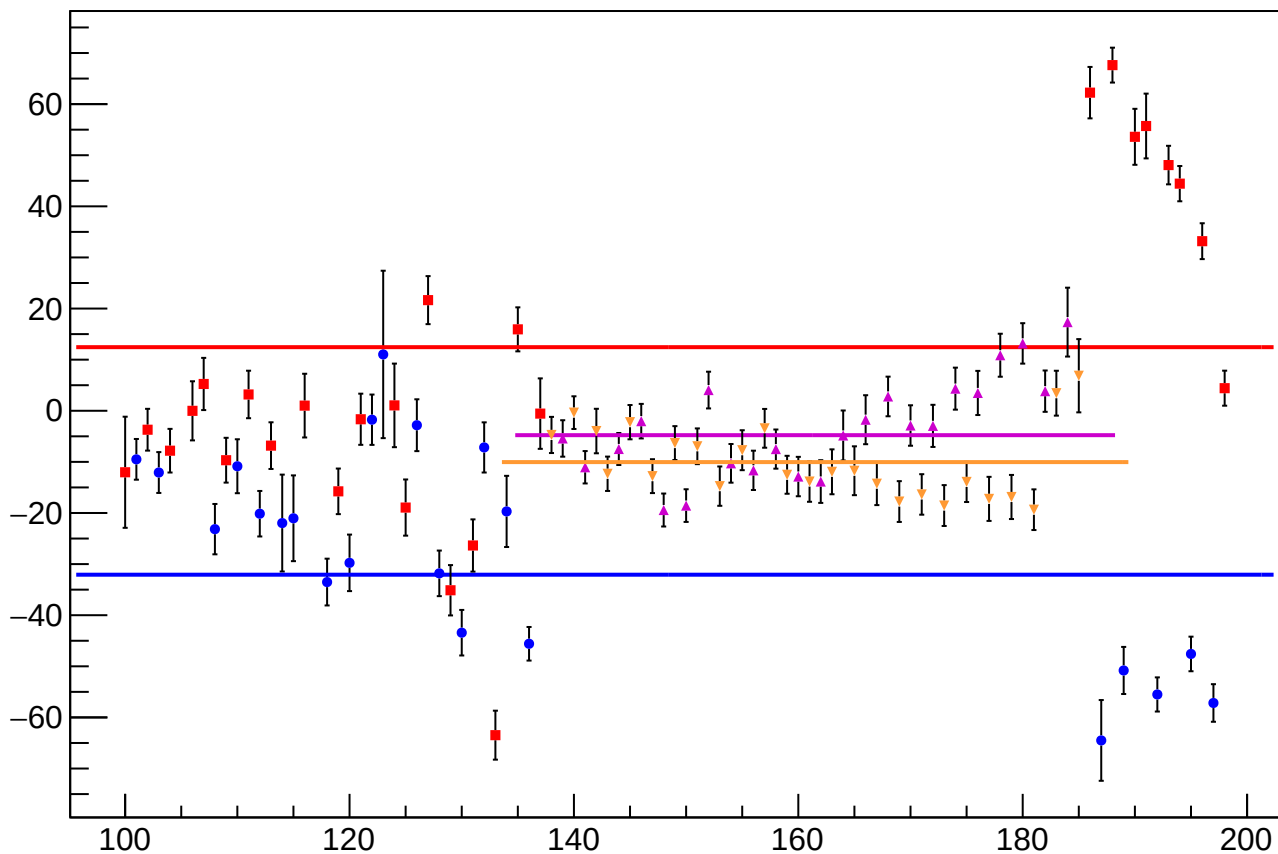
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1771.276 $\pm$ 0.239 χ^2 /NDF: 1391559.1/46

All: 1744.993 $\pm$ 0.165 χ^2 /NDF: 3039117.2/96

- sign 1721.156 $\pm$ 0.228 χ^2 /NDF: 1624475.3/49

diff_bpm0l01X_mean vs Slug



Right In: -32.075 ± 0.994 $\chi^2/\text{NDF}: 367.5/21$

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

Right Out: 12.445 ± 0.895 $\chi^2/\text{NDF}: 1271.2/26$

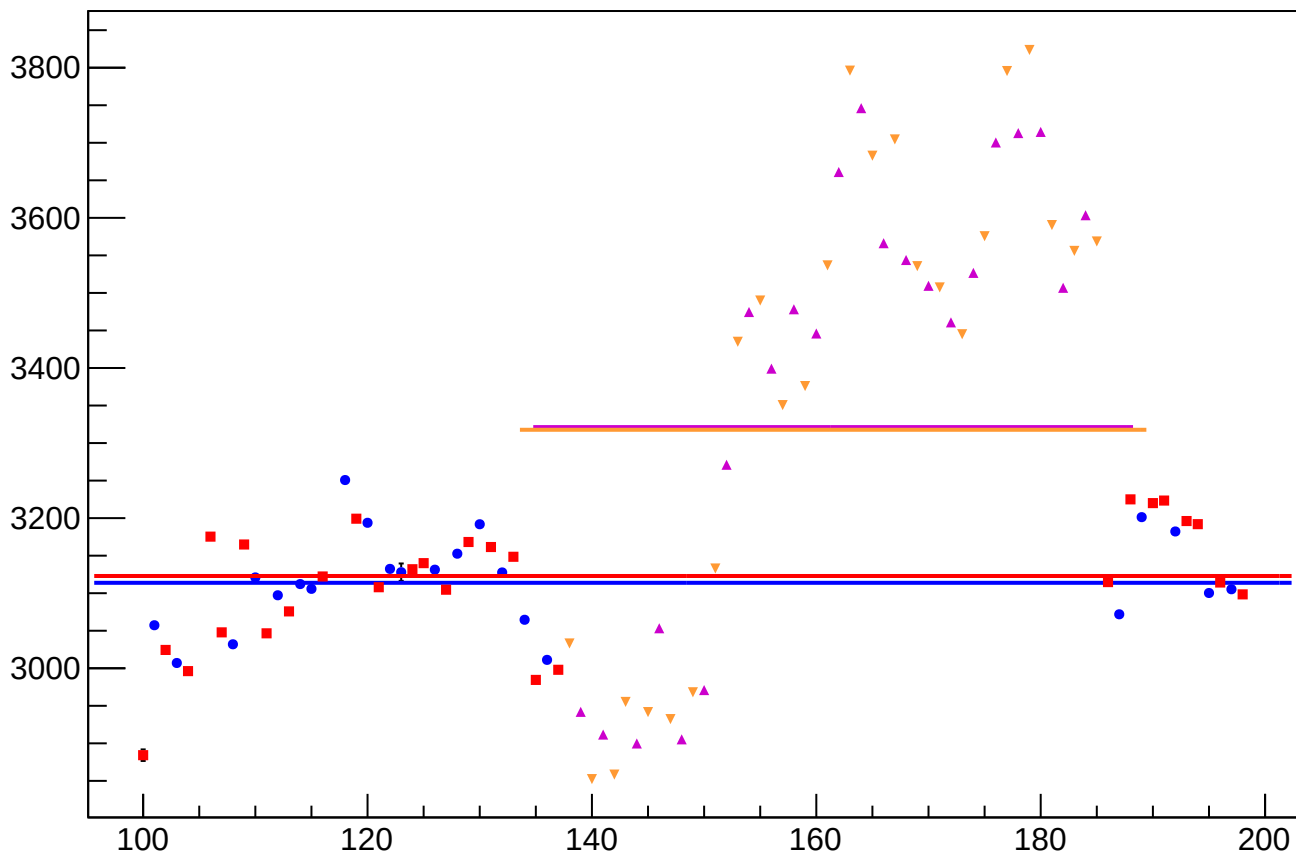
Left In: -4.774 ± 0.800 $\chi^2/\text{NDF}: 128.5/22$

+ sign -18.390 ± 0.612 $\chi^2/\text{NDF}: 739.8/46$

All: -7.485 ± 0.427 $\chi^2/\text{NDF}: 2964.9/96$

- sign 2.882 ± 0.597 $\chi^2/\text{NDF}: 1605.4/49$

diff_bpm0l01X_rms vs Slug



Right In: 3113.849 $\pm$ 0.703 χ^2 /NDF: 9167.6/21

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

Right Out: 3122.930 $\pm$ 0.633 χ^2 /NDF: 13735.4/26

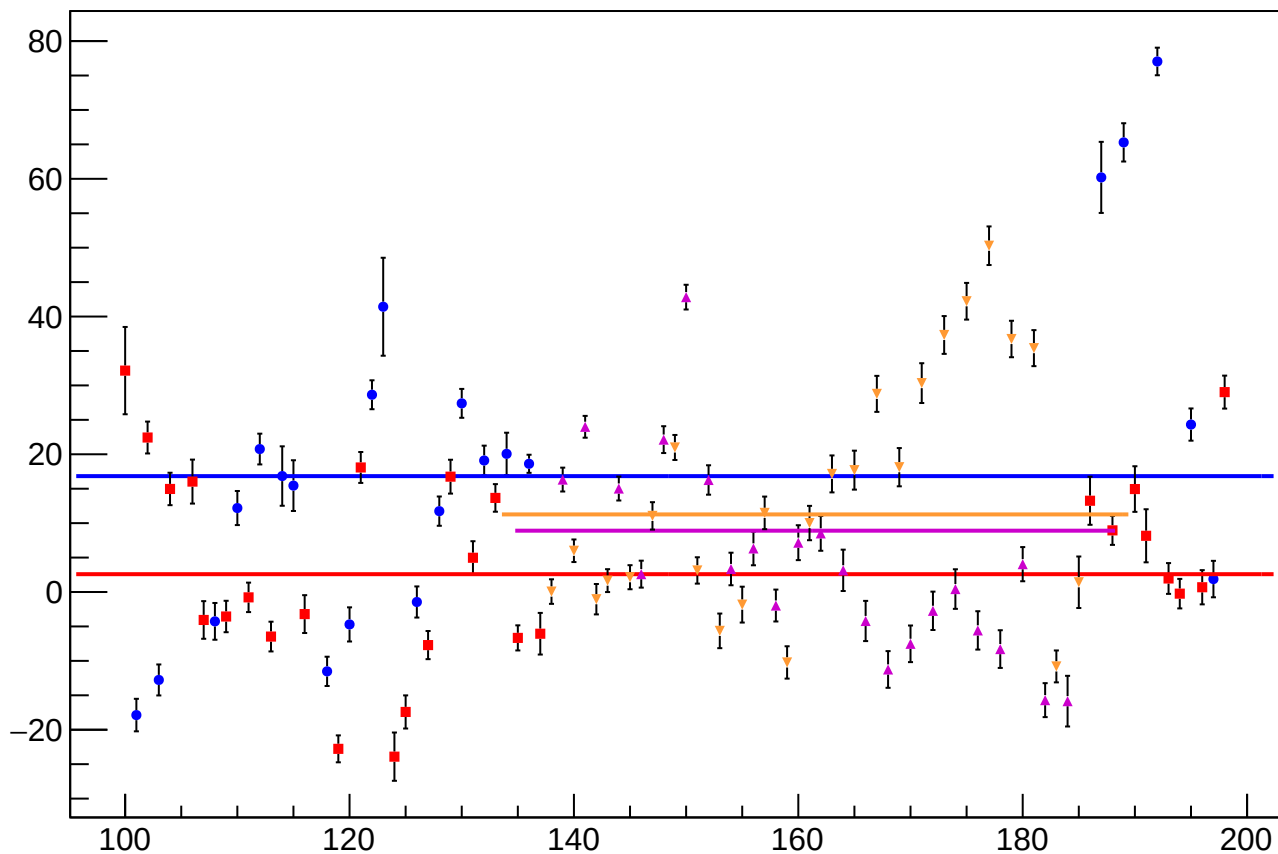
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF:284334.2/22

+ sign 3240.461 $\pm$ 0.433 χ^2 /NDF: 398292.8/46

All: 3236.680 $\pm$ 0.302 χ^2 /NDF: 751108.5/96

- sign 3233.086 $\pm$ 0.422 χ^2 /NDF: 352666.8/49

diff_bpm0l01Y_mean vs Slug



Right In: 16.827+/-0.505 χ^2/NDF : 2175.8/21

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

Right Out: 2.589+/-0.469 χ^2/NDF : 803.1/26

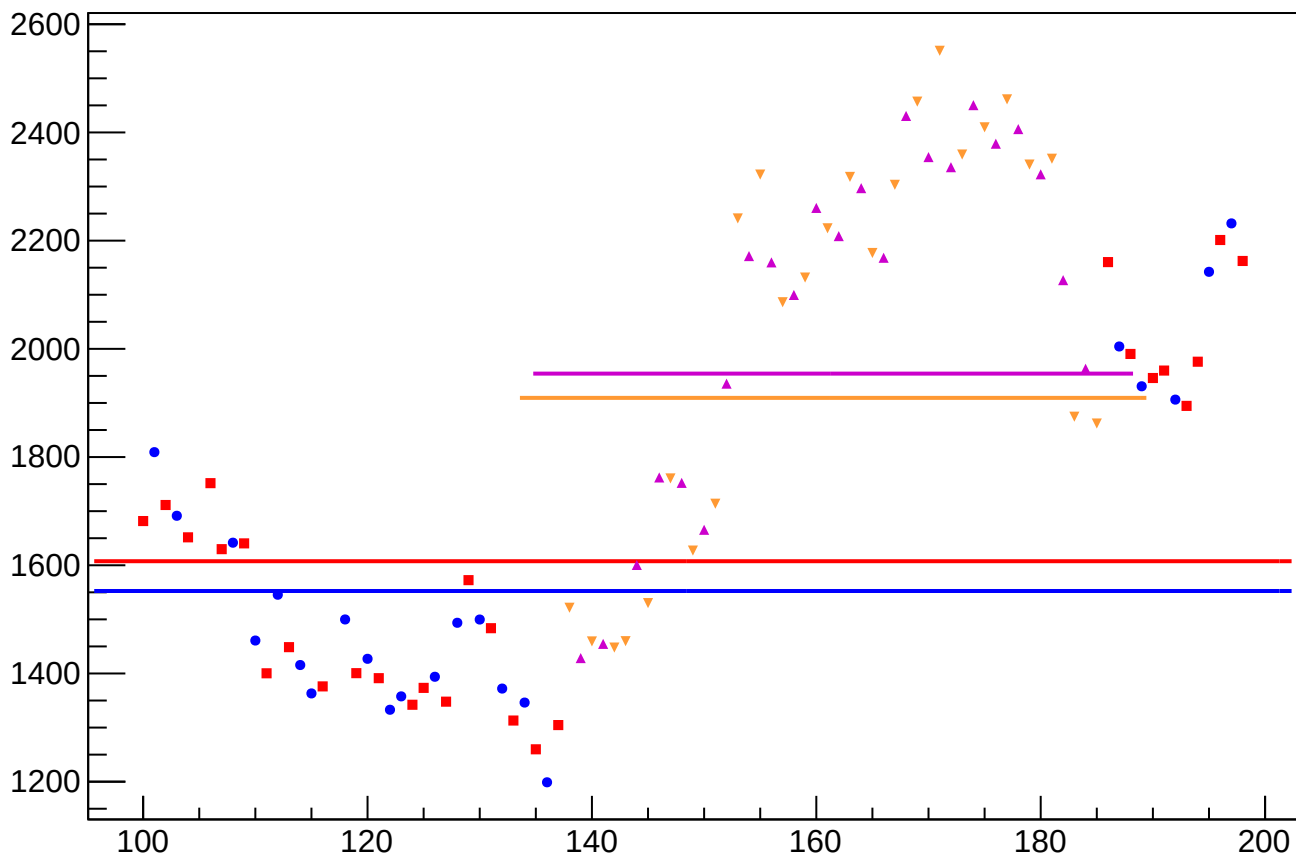
Left In: 8.905+/-0.478 χ^2/NDF : 936.3/22

+ sign 13.756+/-0.338 χ^2/NDF : 3384.6/46

All: 9.684+/-0.238 χ^2/NDF : 5501.2/96

- sign 5.688+/-0.334 χ^2/NDF : 1828.5/49

diff_bpm0l01Y_rms vs Slug



Right In: 1552.444 ± 0.357 $\chi^2/\text{NDF}: 627455.0/21$

Left Out: 1909.387 ± 0.321 $\chi^2/\text{NDF}: 1398498.0/24$

Right Out: 1607.500 ± 0.331 $\chi^2/\text{NDF}: 766140.9/26$

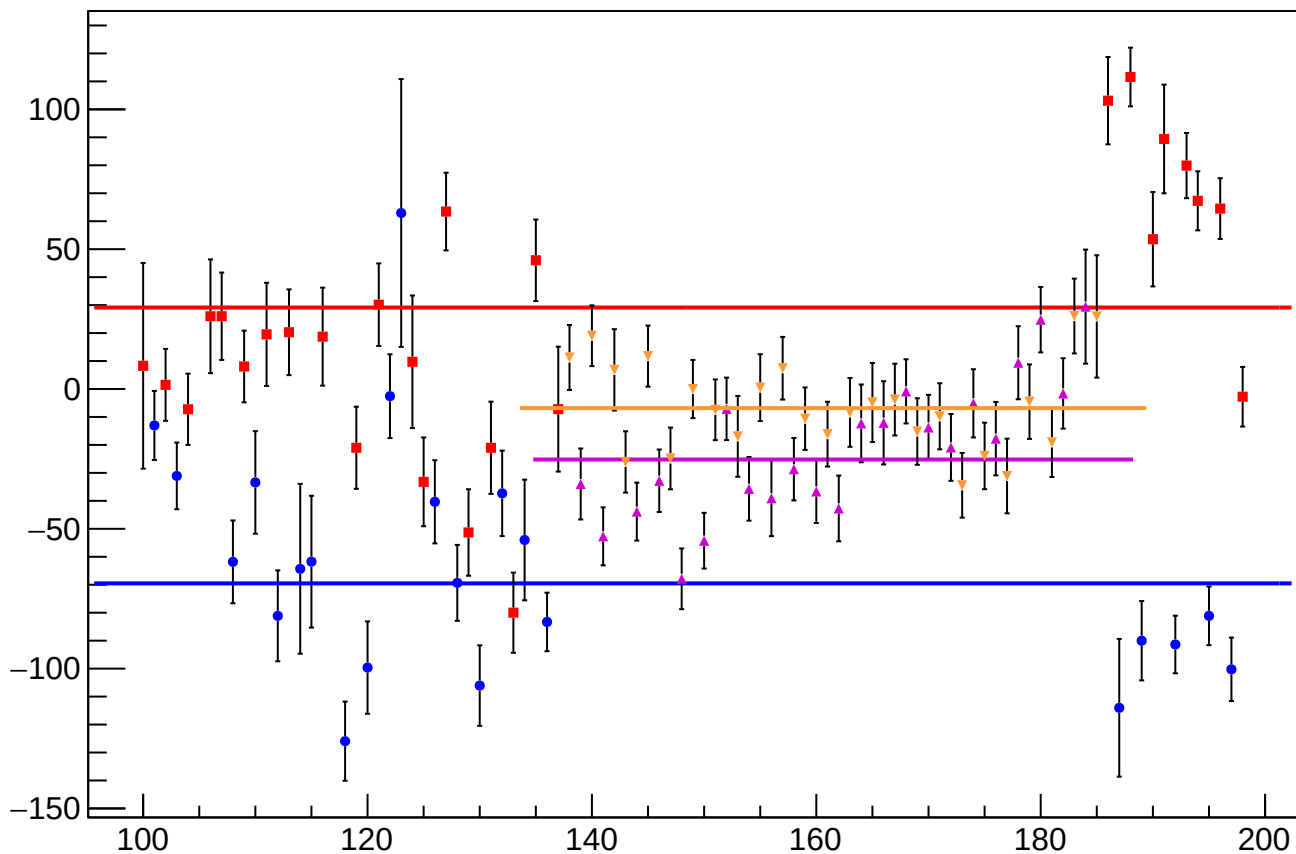
Left In: 1954.236 ± 0.338 $\chi^2/\text{NDF}: 1044826.7/22$

+ sign 1749.612 ± 0.239 $\chi^2/\text{NDF}: 2578454.1/46$

All: 1763.757 ± 0.168 $\chi^2/\text{NDF}: 4933449.8/96$

- sign 1777.636 ± 0.237 $\chi^2/\text{NDF}: 2348043.5/49$

diff_bpm0l02X_mean vs Slug



Right In: -69.515 ± 3.092 χ^2/NDF : 118.3/21

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

Right Out: 29.135 ± 2.789 χ^2/NDF : 296.5/26

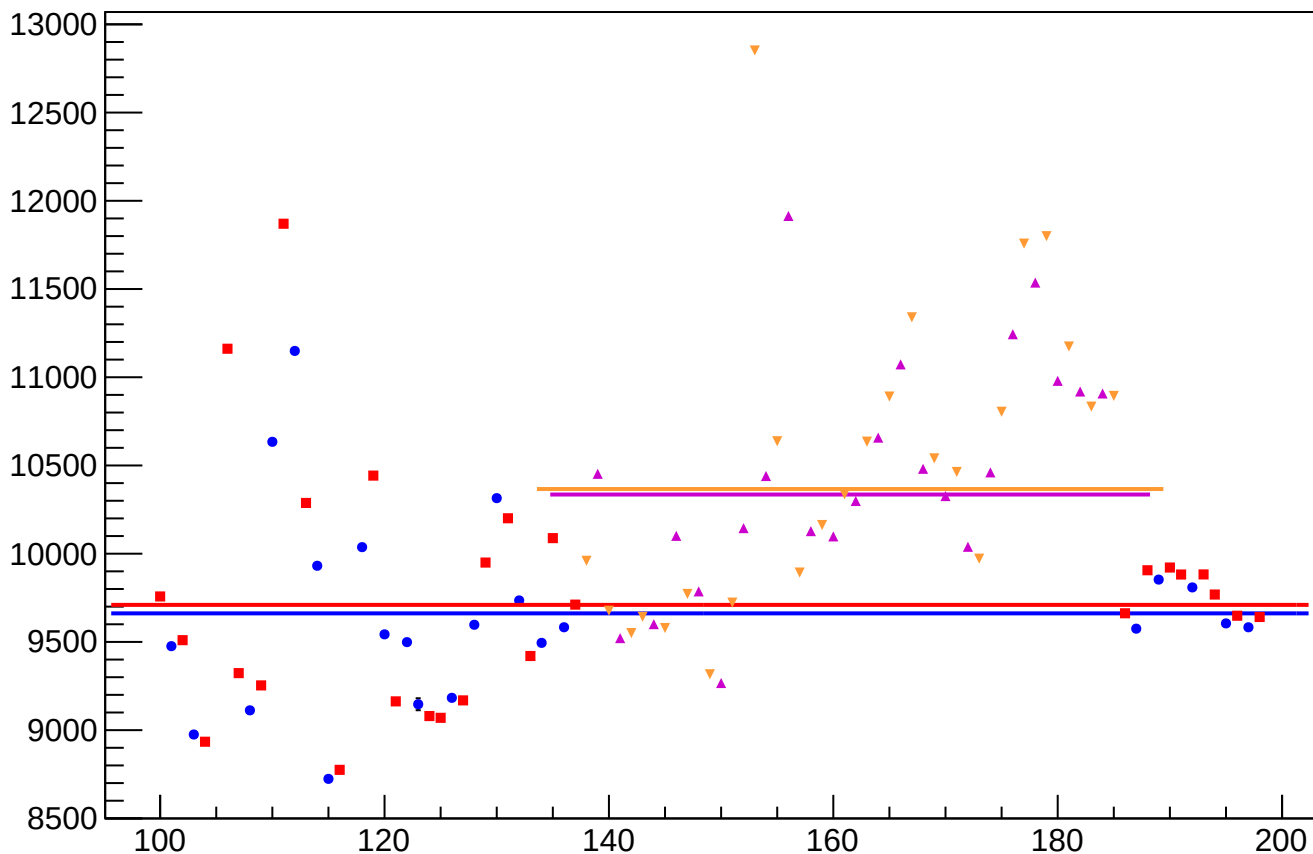
Left In: -25.215 ± 2.487 χ^2/NDF : 89.3/22

+ sign -30.665 ± 1.907 χ^2/NDF : 415.3/46

All: -15.505 ± 1.330 χ^2/NDF : 1135.7/96

- sign -1.145 ± 1.856 χ^2/NDF : 597.3/49

diff_bpm0l02X_rms vs Slug



Right In: 9661.805+/-2.187 χ^2/NDF : 44981.0/21

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

Right Out: 9709.934+/-1.972 χ^2/NDF : 79479.8/26

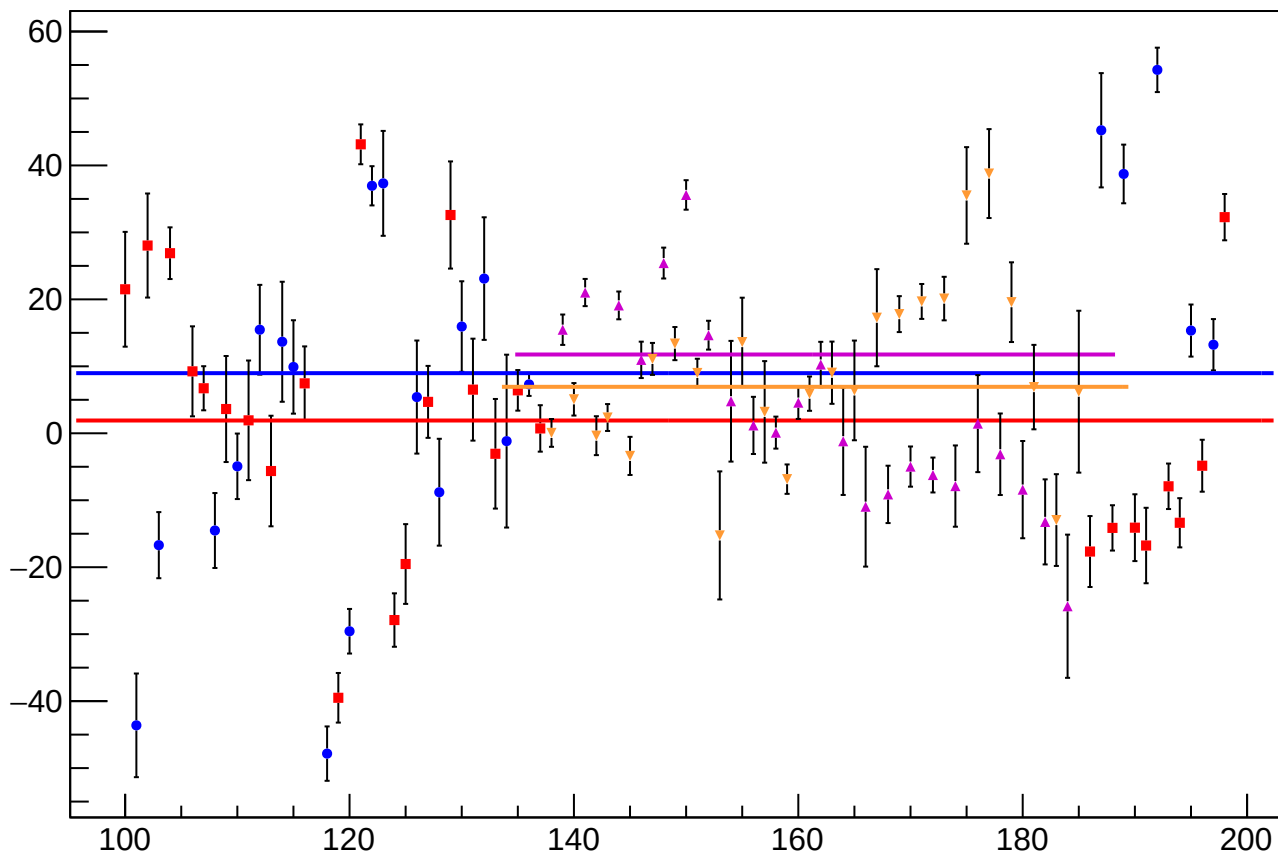
Left In: 10335.399+/-1.758 χ^2/NDF : 127173.0/22

+ sign 10098.530+/-1.348 χ^2/NDF : 320749.4/46

All: 10077.922+/-0.941 χ^2/NDF : 583896.9/96

- sign 10058.402+/-1.312 χ^2/NDF : 262692.8/49

diff_bpm0l02Y_mean vs Slug



Right In: 8.979 ± 0.925 χ^2/NDF : 799.2/21

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

Right Out: 1.908 ± 0.863 χ^2/NDF : 630.6/26

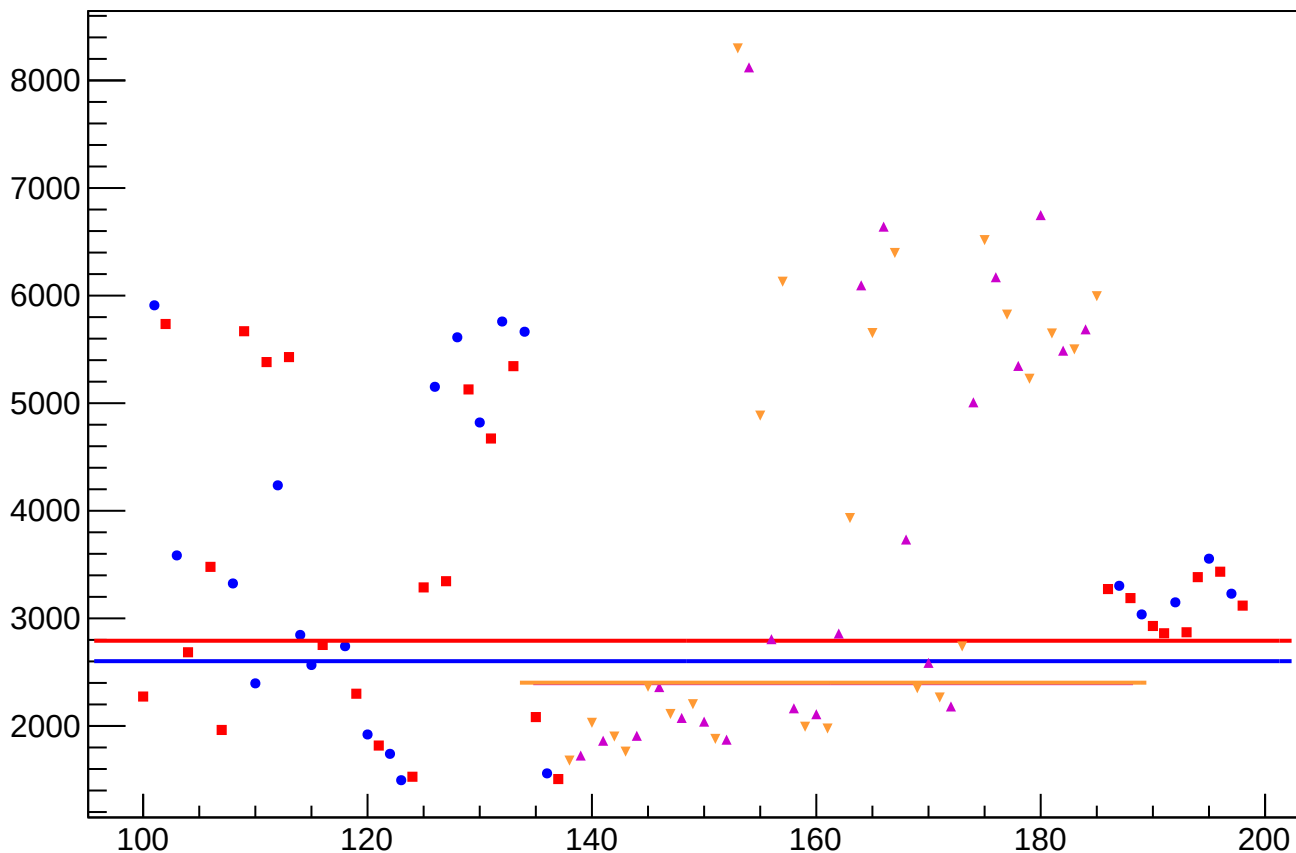
Left In: 11.766 ± 0.648 χ^2/NDF : 395.1/22

+ sign 7.598 ± 0.526 χ^2/NDF : 1006.3/46

All: 7.907 ± 0.369 χ^2/NDF : 2116.1/96

- sign 8.207 ± 0.518 χ^2/NDF : 1109.1/49

diff_bpm0l02Y_rms vs Slug



Right In: 2602.289+/-0.654 χ^2/NDF : 2930038.9/21

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

Right Out: 2792.056+/-0.610 χ^2/NDF : 2607336.2/26

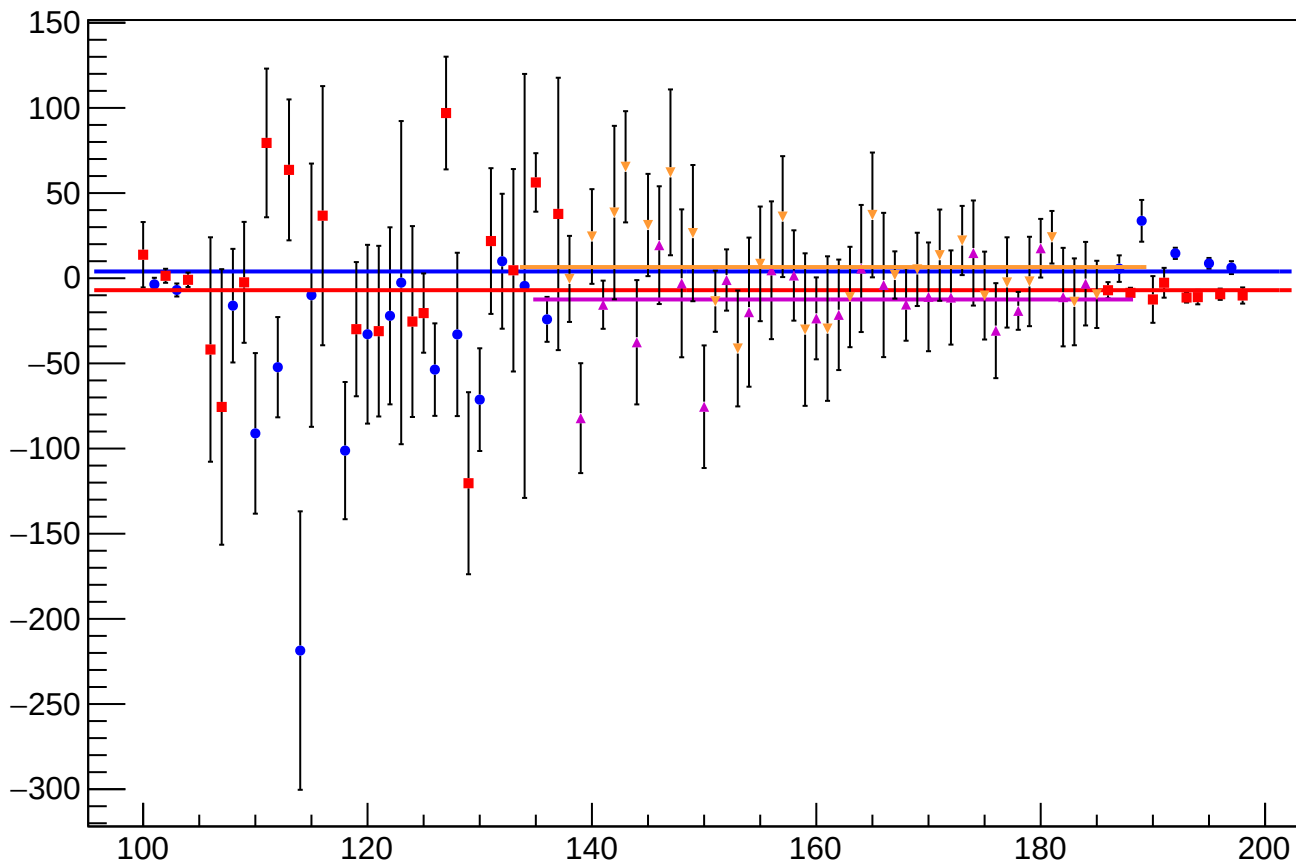
Left In: 2397.701+/-0.458 χ^2/NDF : 5398920.1/22

+ sign 2466.926+/-0.372 χ^2/NDF : 9339299.6/46

All: 2504.018+/-0.261 χ^2/NDF : 17632349.4/9

- sign 2540.083+/-0.366 χ^2/NDF : 8273403.2/49

diff_bpm0l03X_mean vs Slug



Right In: 3.975 ± 1.518 χ^2/NDF : 69.9/21

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

Right Out: -7.021 ± 1.282 χ^2/NDF : 50.0/26

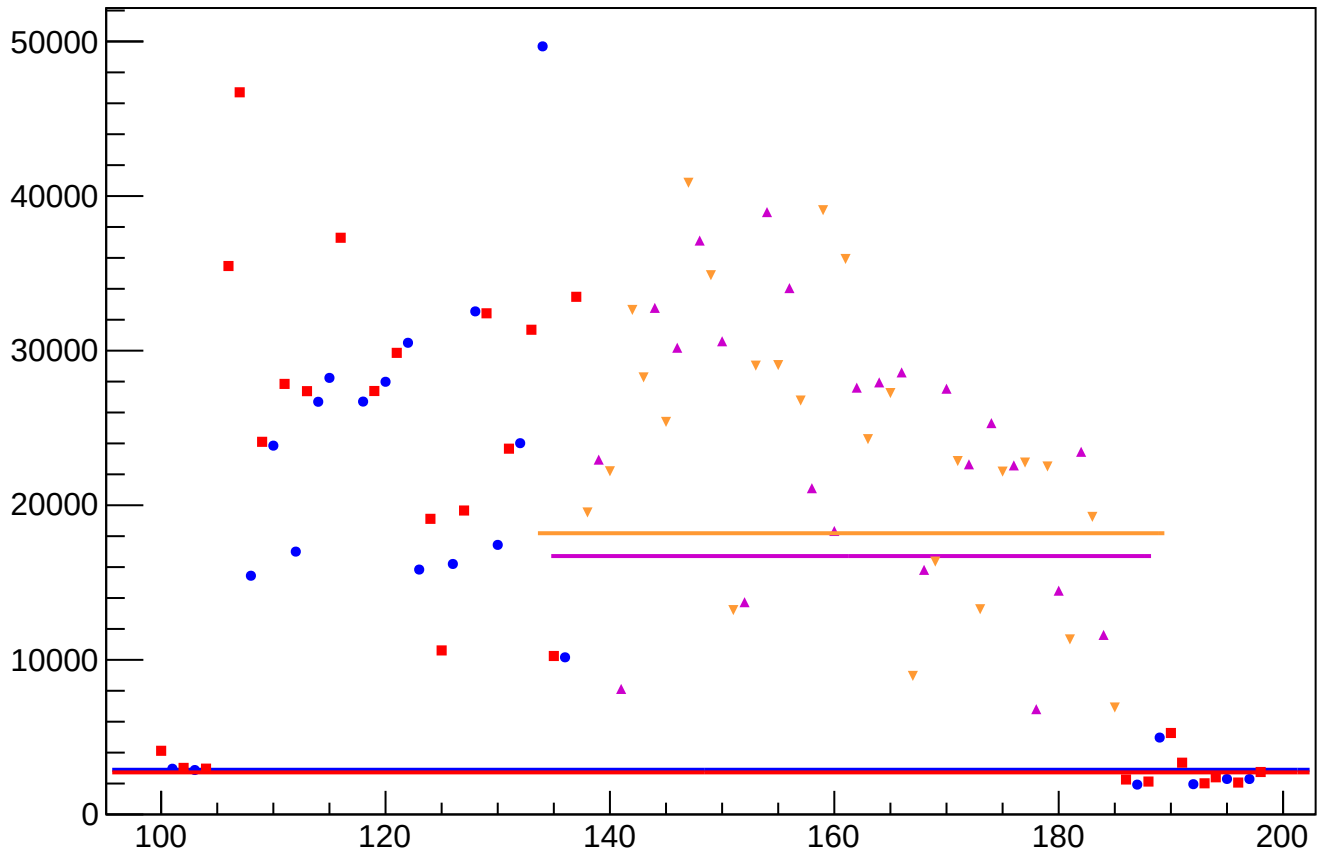
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign 4.187 ± 1.454 χ^2/NDF : 86.9/46

All: -2.484 ± 0.945 χ^2/NDF : 189.9/96

- sign -7.354 ± 1.243 χ^2/NDF : 66.6/49

diff_bpm0l03X_rms vs Slug



Right In: 2890.386+/-1.073 χ^2/NDF : 6821806.1/21

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

Right Out: 2720.767+/-0.907 χ^2/NDF : 8542114.0/26

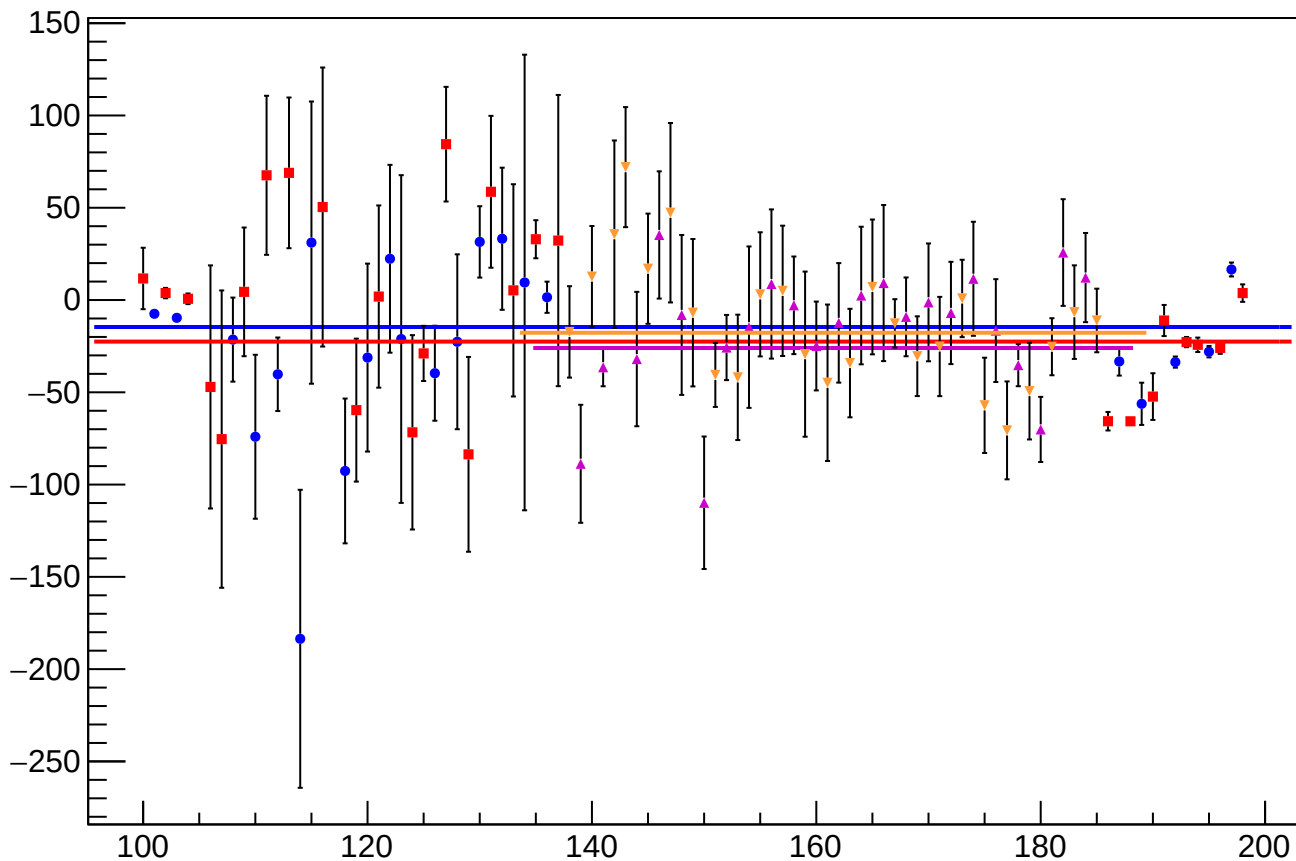
Left In: 16713.653+/-3.553 χ^2/NDF : 6194178.8/22

+ sign 4145.528+/-1.028 χ^2/NDF : 28753726.2/46

All: 3816.532+/-0.668 χ^2/NDF : 58225848.2/5

- sign 3576.335+/-0.879 χ^2/NDF : 29295033.6/49

diff_bpm0l03Y_mean vs Slug



Right In: -14.626 ± 1.264 χ^2/NDF : 181.4/21

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

Right Out: -22.528 ± 1.114 χ^2/NDF : 585.9/26

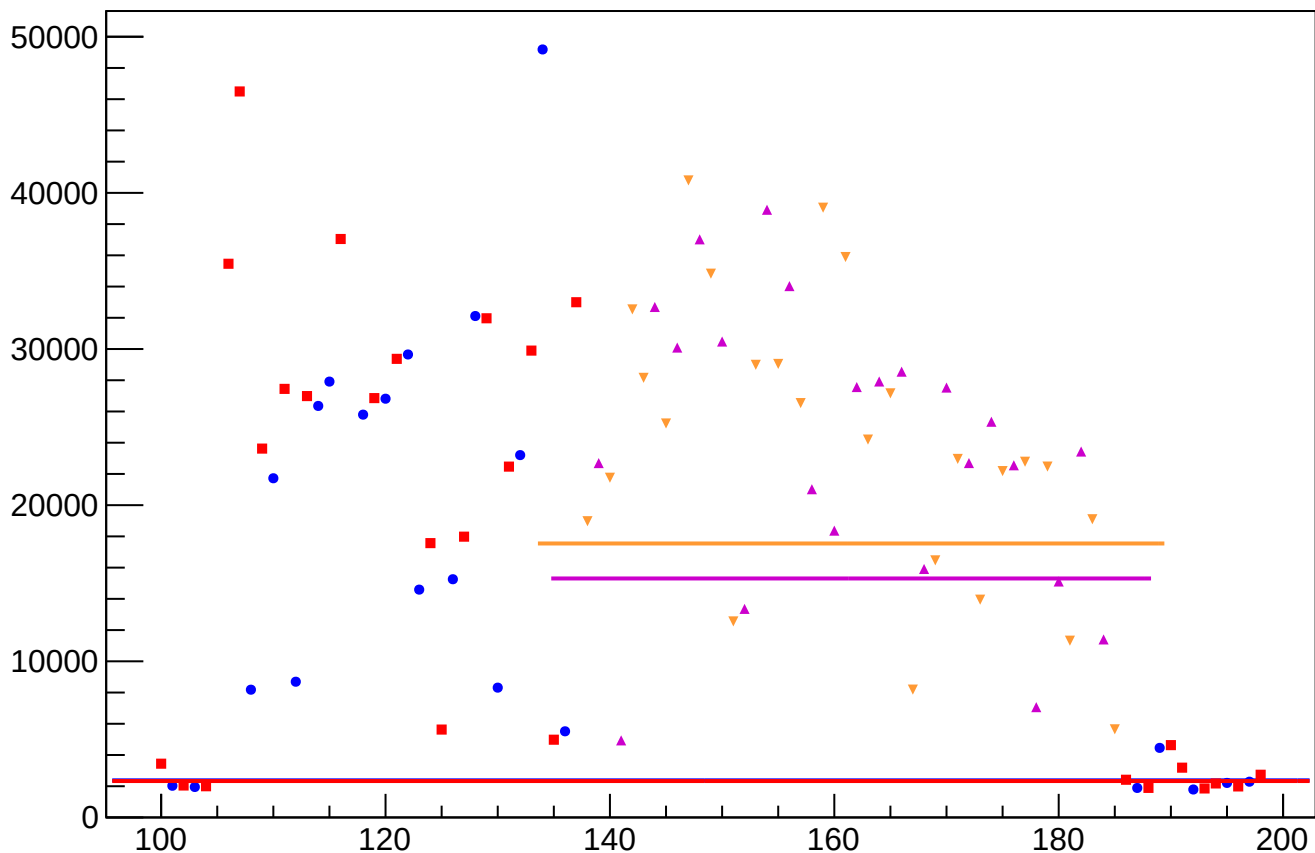
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -14.813 ± 1.225 χ^2/NDF : 209.0/46

All: -19.238 ± 0.812 χ^2/NDF : 851.2/96

- sign -22.706 ± 1.085 χ^2/NDF : 619.0/49

diff_bpm0l03Y_rms vs Slug



Right In: 2375.623+/-0.894 χ^2/NDF : 5765516.9/21

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

Right Out: 2332.066+/-0.787 χ^2/NDF : 8157045.8/26

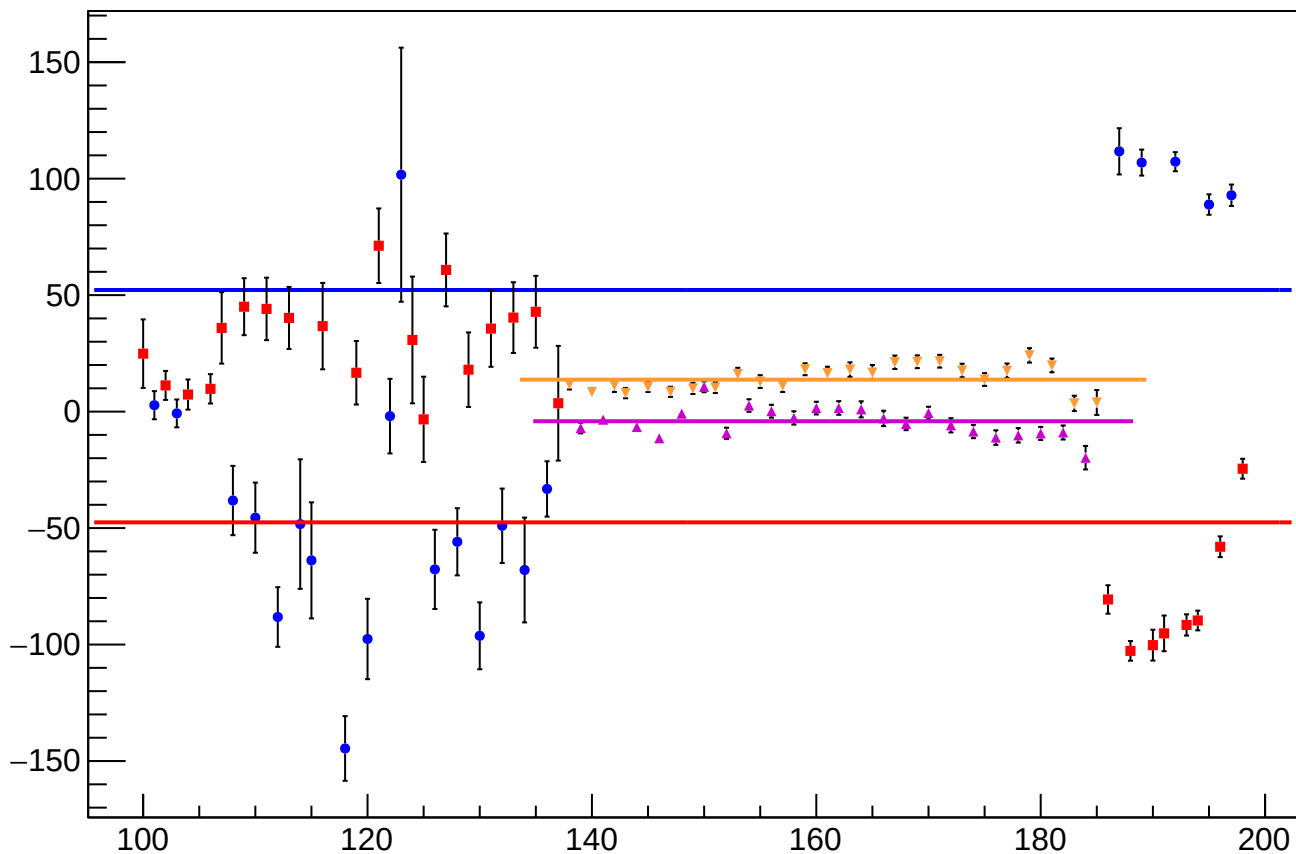
Left In: 15305.311+/-3.386 χ^2/NDF : 7721177.0/22

+ sign 3296.112+/-0.866 χ^2/NDF : 29142311.1/46

All: 3128.694+/-0.574 χ^2/NDF : 59011990.6/5

- sign 2997.514+/-0.767 χ^2/NDF : 29803083.5/49

diff_bpm0l04X_mean vs Slug



Right In: 52.197 $\pm$ 1.787 χ^2 /NDF: 1462.2/21

Left Out: 13.710 $\pm$ 0.535 χ^2 /NDF: 89.9/24

Right Out: -47.545 $\pm$ 1.456 χ^2 /NDF: 1249.2/26

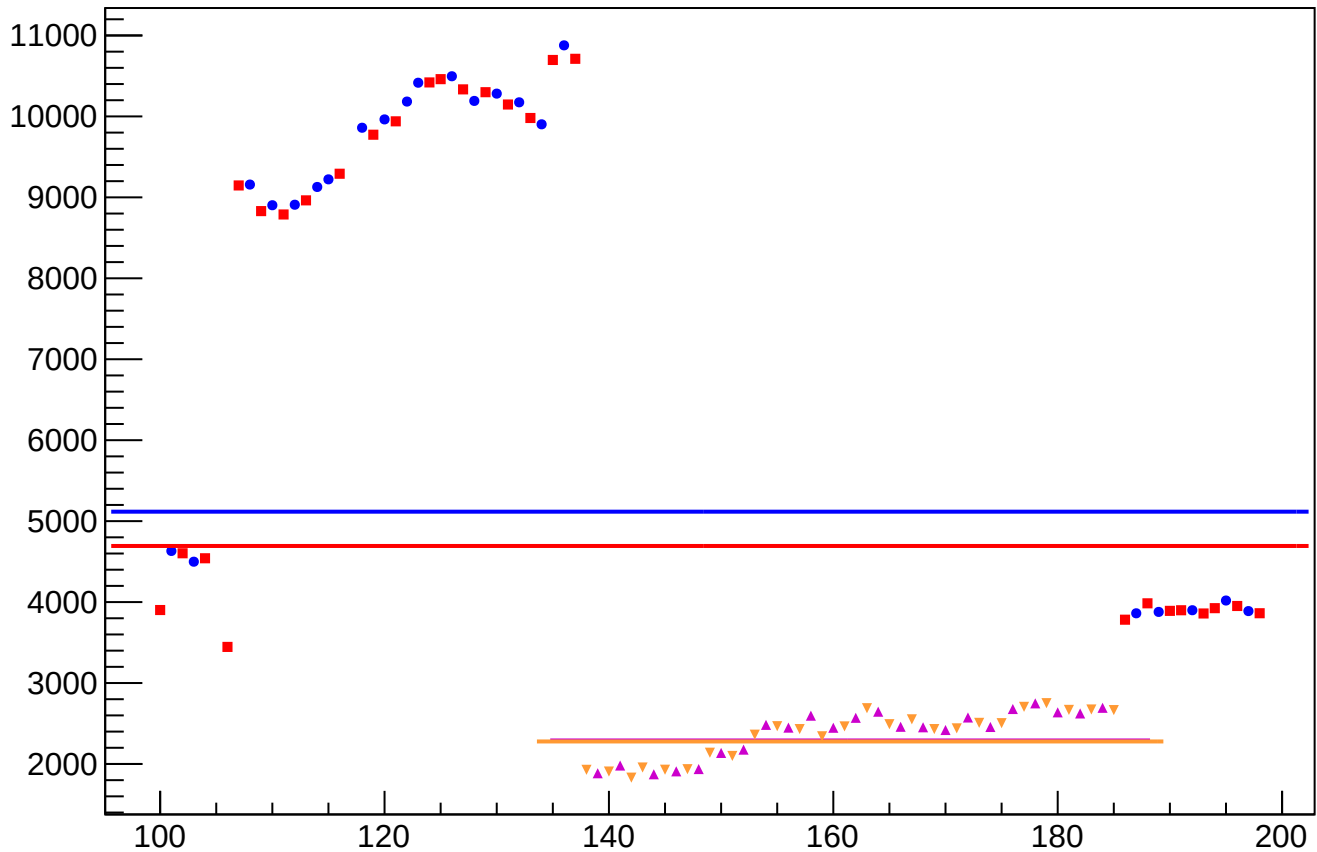
Left In: -4.141 $\pm$ 0.555 χ^2 /NDF: 111.7/22

+ sign 16.879 $\pm$ 0.513 χ^2 /NDF: 1977.8/46

All: 3.762 $\pm$ 0.365 χ^2 /NDF: 5438.5/96

- sign -9.647 $\pm$ 0.518 χ^2 /NDF: 2137.3/49

diff_bpm0l04X_rms vs Slug



Right In: 5116.888 $\pm$ 1.263 χ^2 /NDF: 3233446.9/21

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

+ sign 2511.867 $\pm$ 0.363 χ^2 /NDF: 8472909.3/46

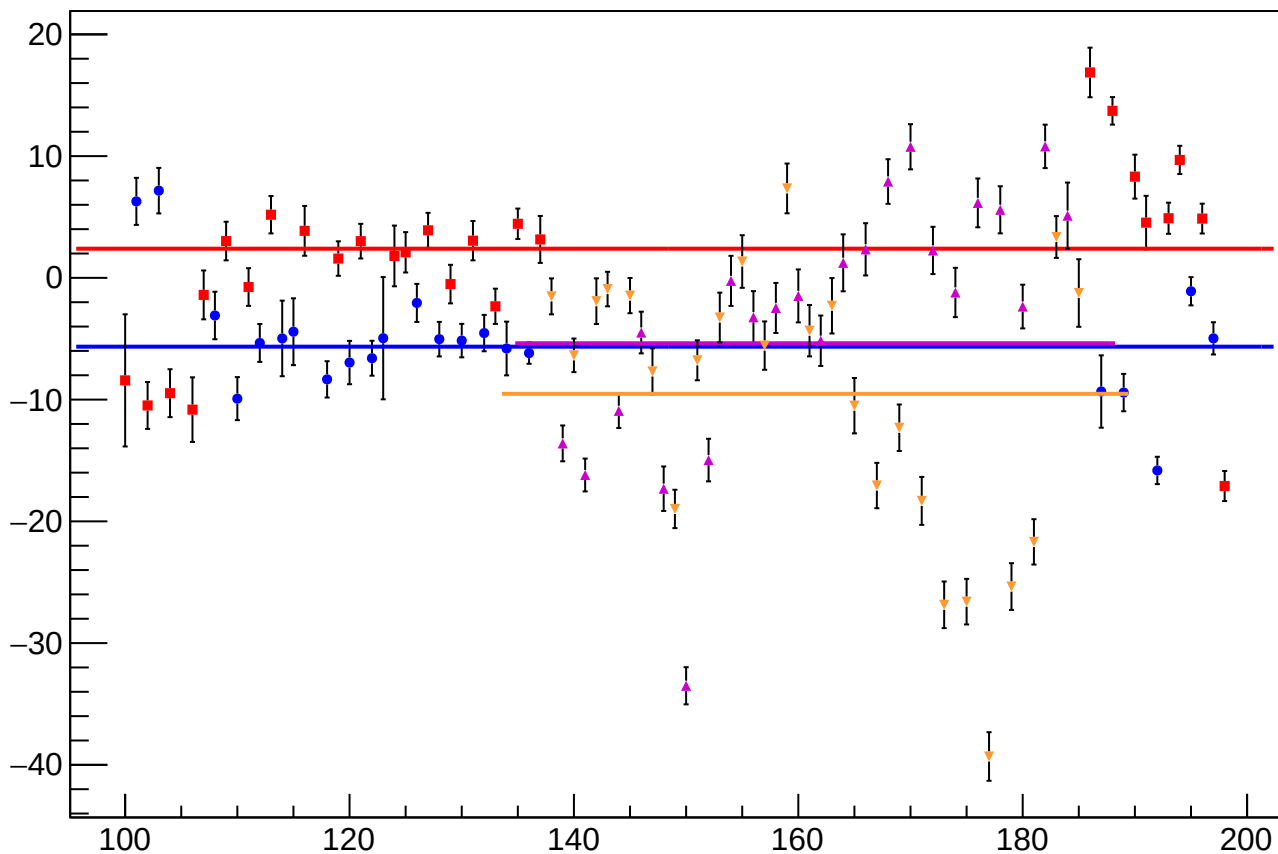
Right Out: 4693.177 $\pm$ 1.029 χ^2 /NDF: 3585628.0/26

All: 2553.103 $\pm$ 0.258 χ^2 /NDF: 17433432.9/9

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

- sign 2595.257 $\pm$ 0.367 χ^2 /NDF: 8934364.5/49

diff_bpm0l04Y_mean vs Slug



Right In: -5.652 ± 0.331 χ^2/NDF : 208.9/21

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

Right Out: 2.395 ± 0.304 χ^2/NDF : 598.2/26

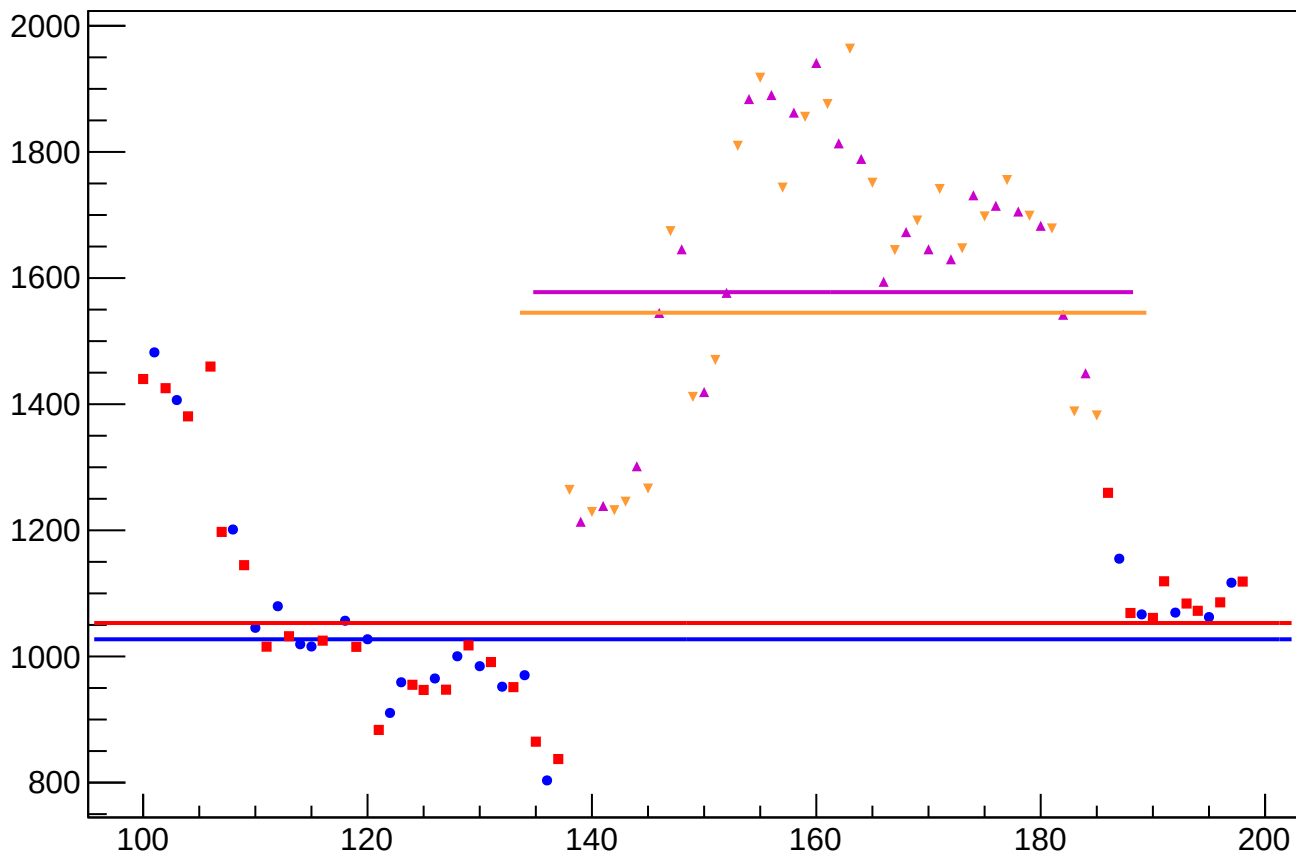
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -7.402 ± 0.245 χ^2/NDF : 1154.7/46

All: -3.906 ± 0.171 χ^2/NDF : 3269.8/96

- sign -0.610 ± 0.238 χ^2/NDF : 1720.3/49

diff_bpm0l04Y_rms vs Slug



Right In: 1027.236 $\pm$ 0.234 χ^2 /NDF: 387092.9/21

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

Right Out: 1053.051 $\pm$ 0.215 χ^2 /NDF: 373959.2/26

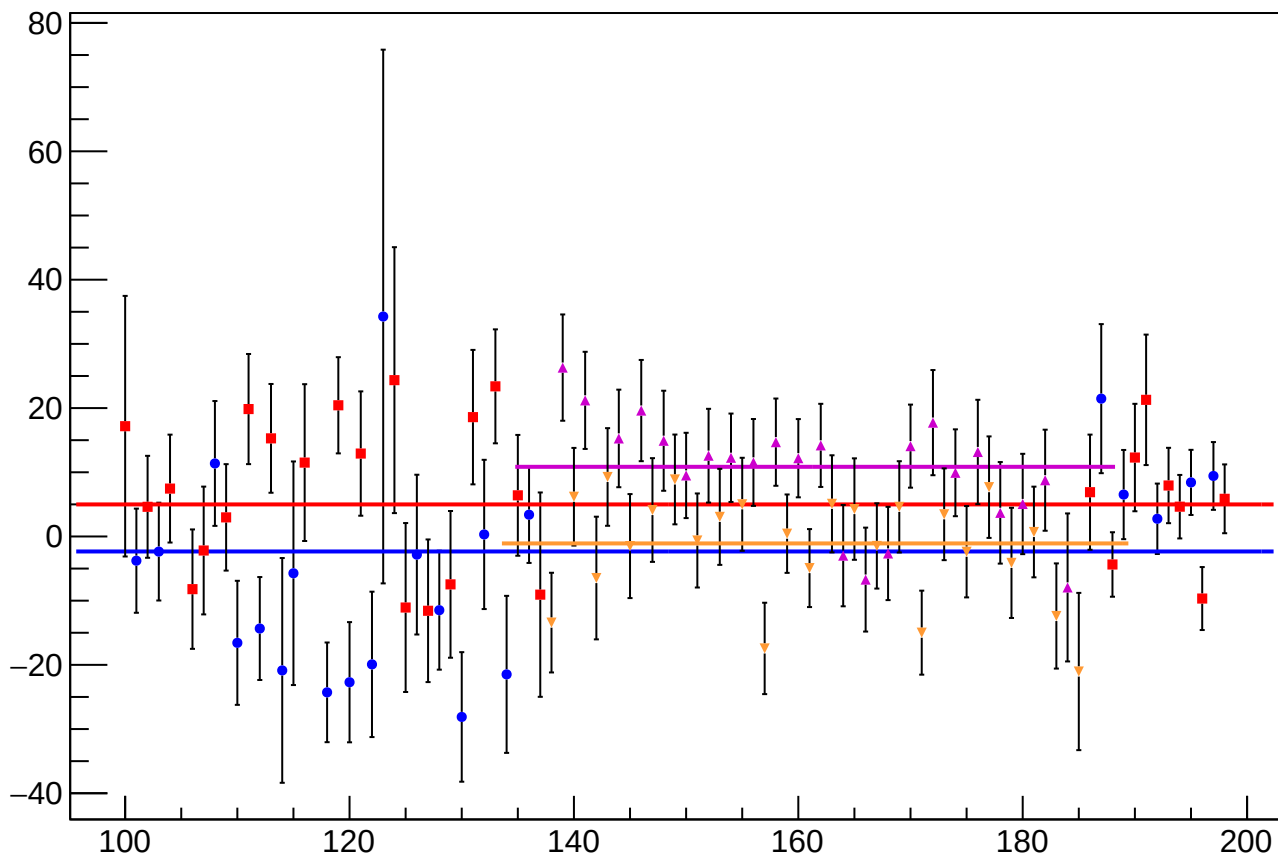
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1261.335 $\pm$ 0.173 χ^2 /NDF: 3438038.7/46

All: 1258.589 $\pm$ 0.121 χ^2 /NDF: 6740079.2/96

- sign 1256.001 $\pm$ 0.168 χ^2 /NDF: 3301553.6/49

diff_bpm0l05X_mean vs Slug



Right In: -2.337 ± 1.802 $\chi^2/\text{NDF}: 50.2/21$

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

Right Out: 4.993 ± 1.553 $\chi^2/\text{NDF}: 41.3/26$

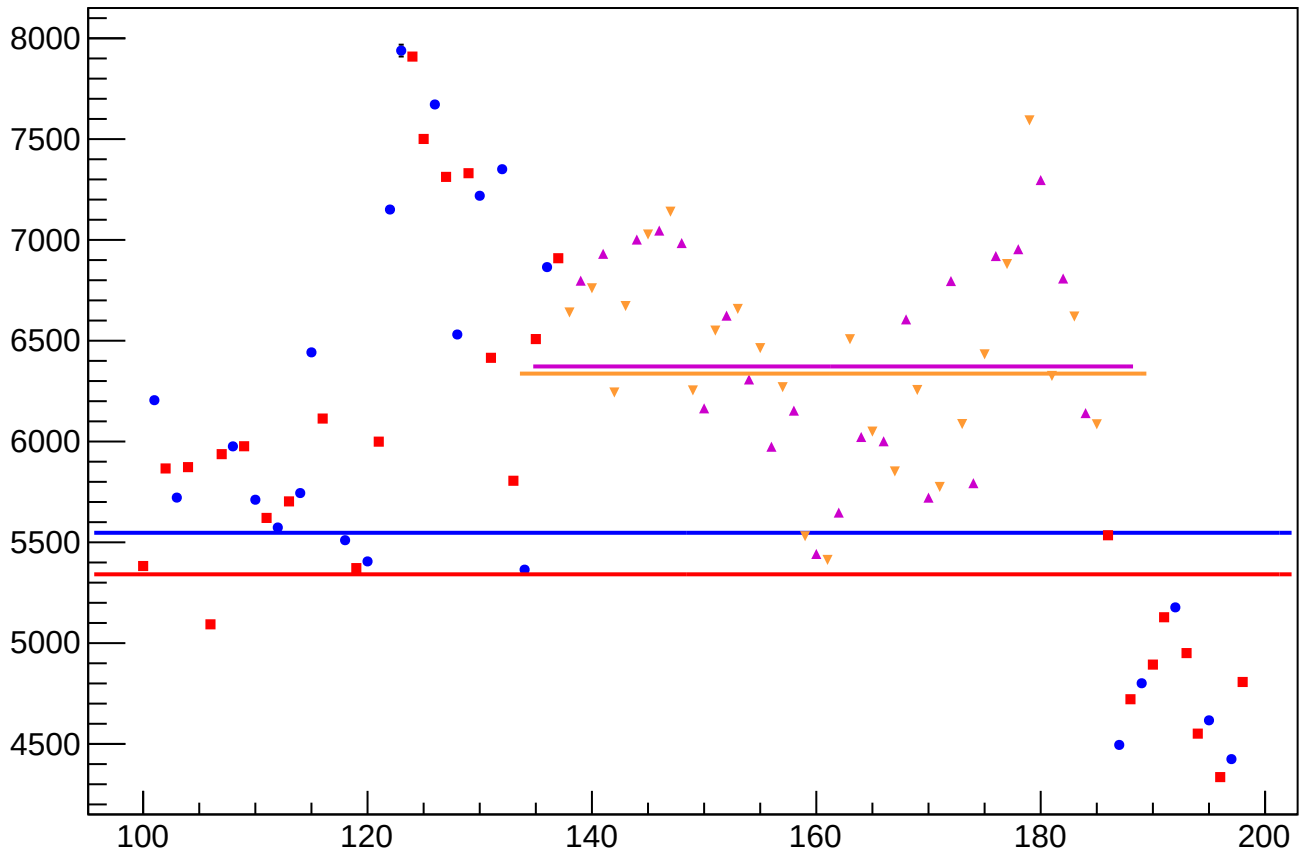
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

+ sign -1.591 ± 1.147 $\chi^2/\text{NDF}: 78.0/46$

All: 3.401 ± 0.792 $\chi^2/\text{NDF}: 187.1/96$

- sign 7.944 ± 1.094 $\chi^2/\text{NDF}: 72.9/49$

diff_bpm0l05X_rms vs Slug



Right In: 5547.305 $\pm$ 1.274 χ^2 /NDF: 523600.2/21

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

Right Out: 5341.325 $\pm$ 1.098 χ^2 /NDF: 546775.4/26

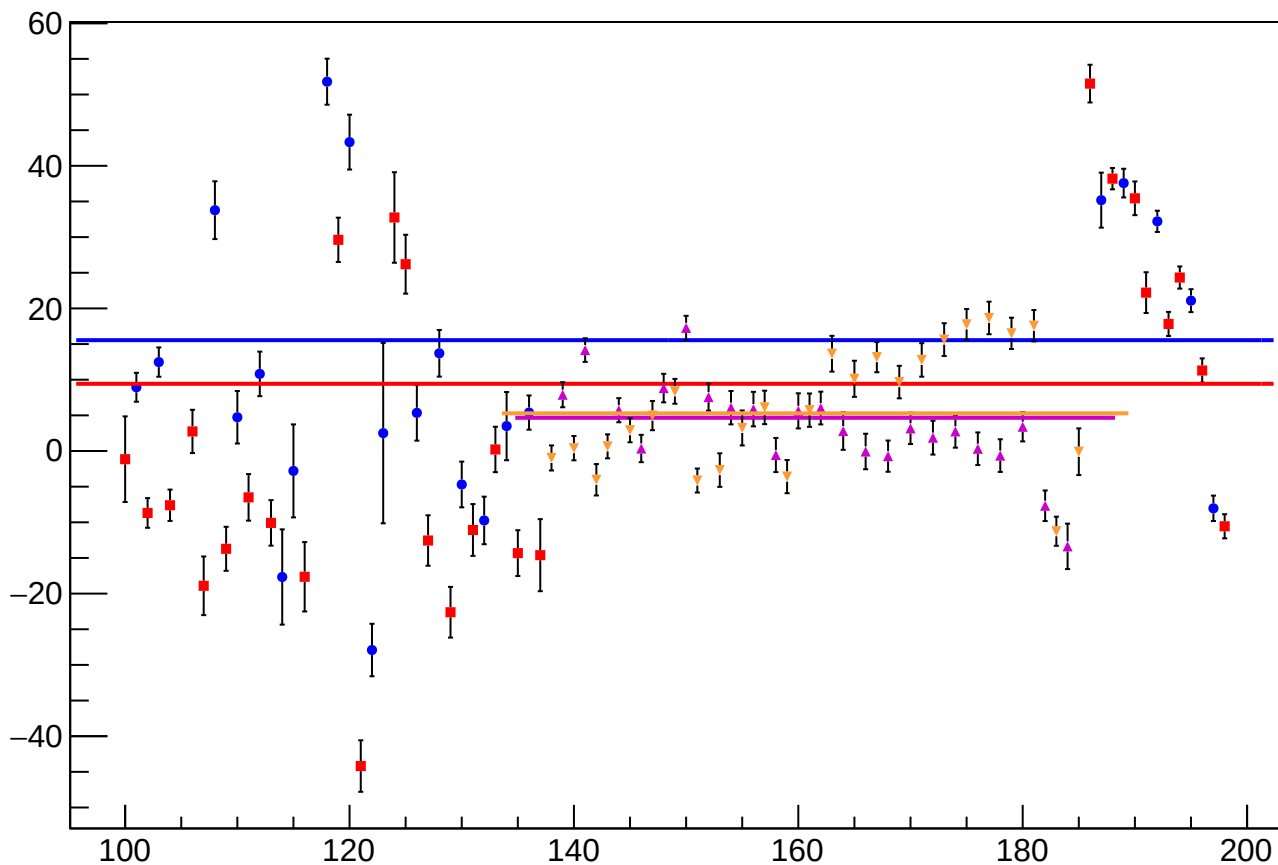
Left In: 6372.349 $\pm$ 1.090 χ^2 /NDF: 247257.0/22

+ sign 6016.907 $\pm$ 0.811 χ^2 /NDF: 974976.7/46

All: 5935.122 $\pm$ 0.560 χ^2 /NDF: 2232371.0/96

- sign 5860.686 $\pm$ 0.774 χ^2 /NDF: 1237967.9/49

diff_bpm0l05Y_mean vs Slug



Right In: 15.546 $\pm$ 0.574 χ^2 /NDF: 981.8/21

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

Right Out: 9.426 $\pm$ 0.497 χ^2 /NDF: 1890.6/26

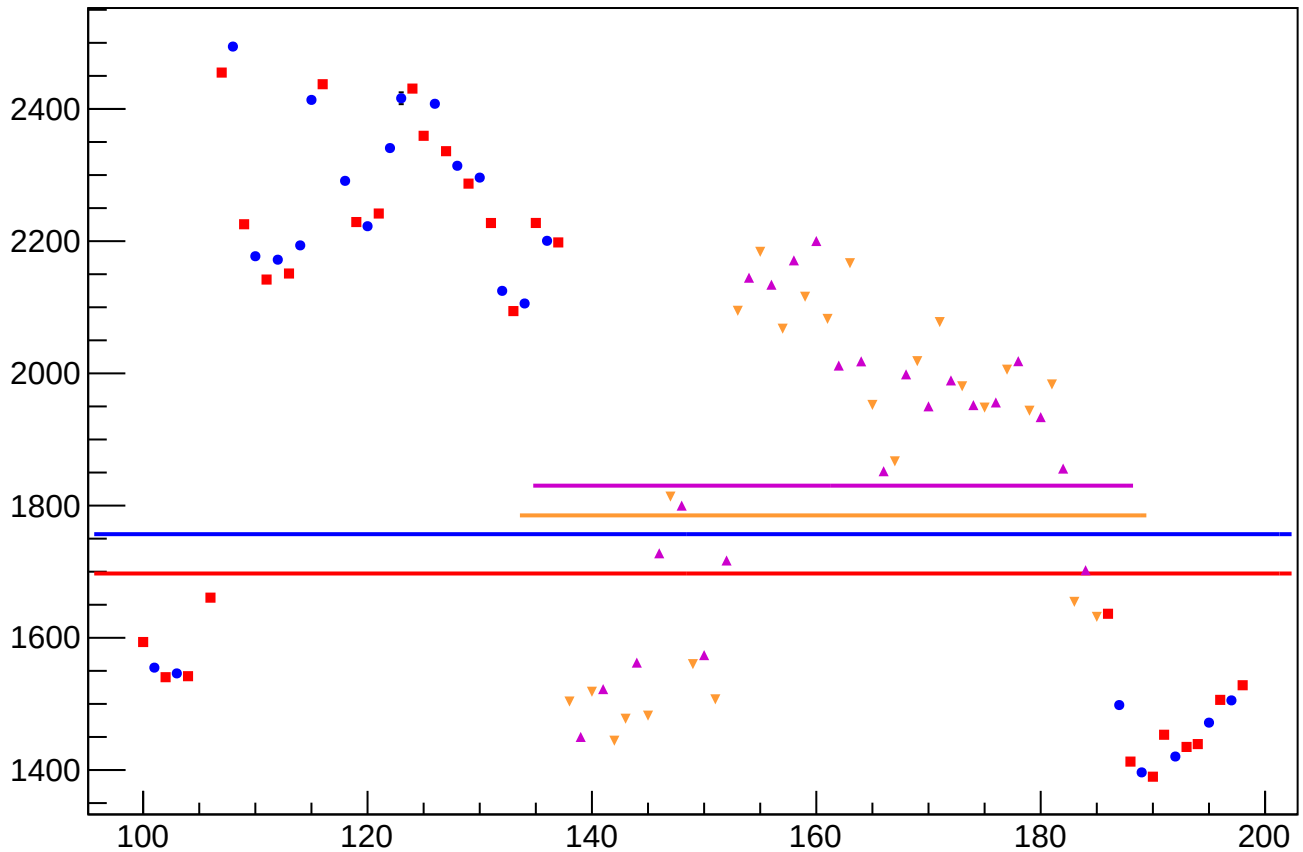
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF:196.5/22

+ sign 8.871 $\pm$ 0.339 χ^2 /NDF: 1555.8/46

All: 7.795 $\pm$ 0.237 χ^2 /NDF: 3713.8/96

- sign 6.772 $\pm$ 0.331 χ^2 /NDF: 2138.4/49

diff_bpm0l05Y_rms vs Slug



Right In: 1756.772 $\pm$ 0.406 χ^2 /NDF: 888596.3/21

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

Right Out: 1697.276 $\pm$ 0.351 χ^2 /NDF: 992597.5/26

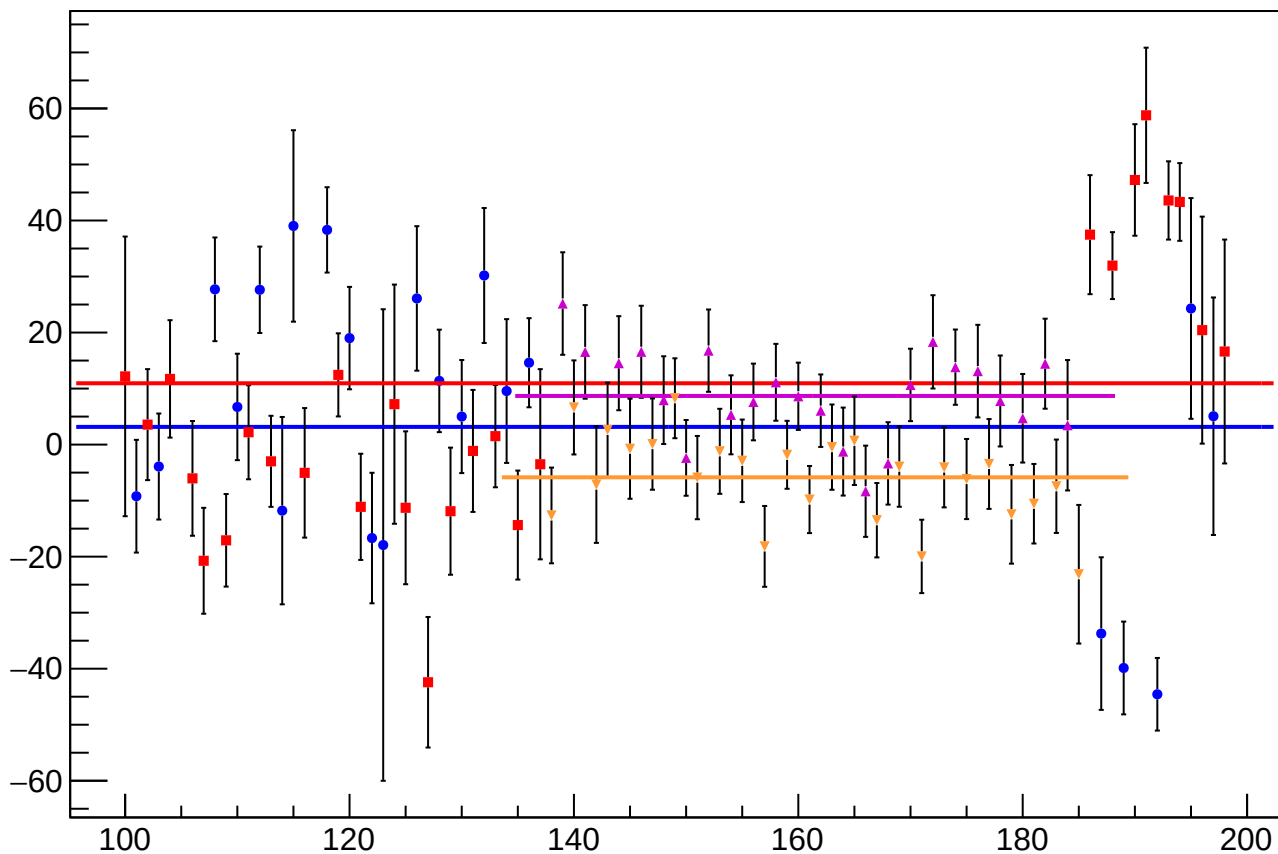
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

+ sign 1775.250 $\pm$ 0.240 χ^2 /NDF: 1642412.1/46

All: 1773.187 $\pm$ 0.167 χ^2 /NDF: 3223233.3/96

- sign 1771.227 $\pm$ 0.234 χ^2 /NDF: 1580677.1/49

diff_bpm0l06X_mean vs Slug



Right In: 3.160 ± 2.183 $\chi^2/\text{NDF}: 153.1/21$

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

Right Out: 10.948 ± 1.891 $\chi^2/\text{NDF}: 166.5/26$

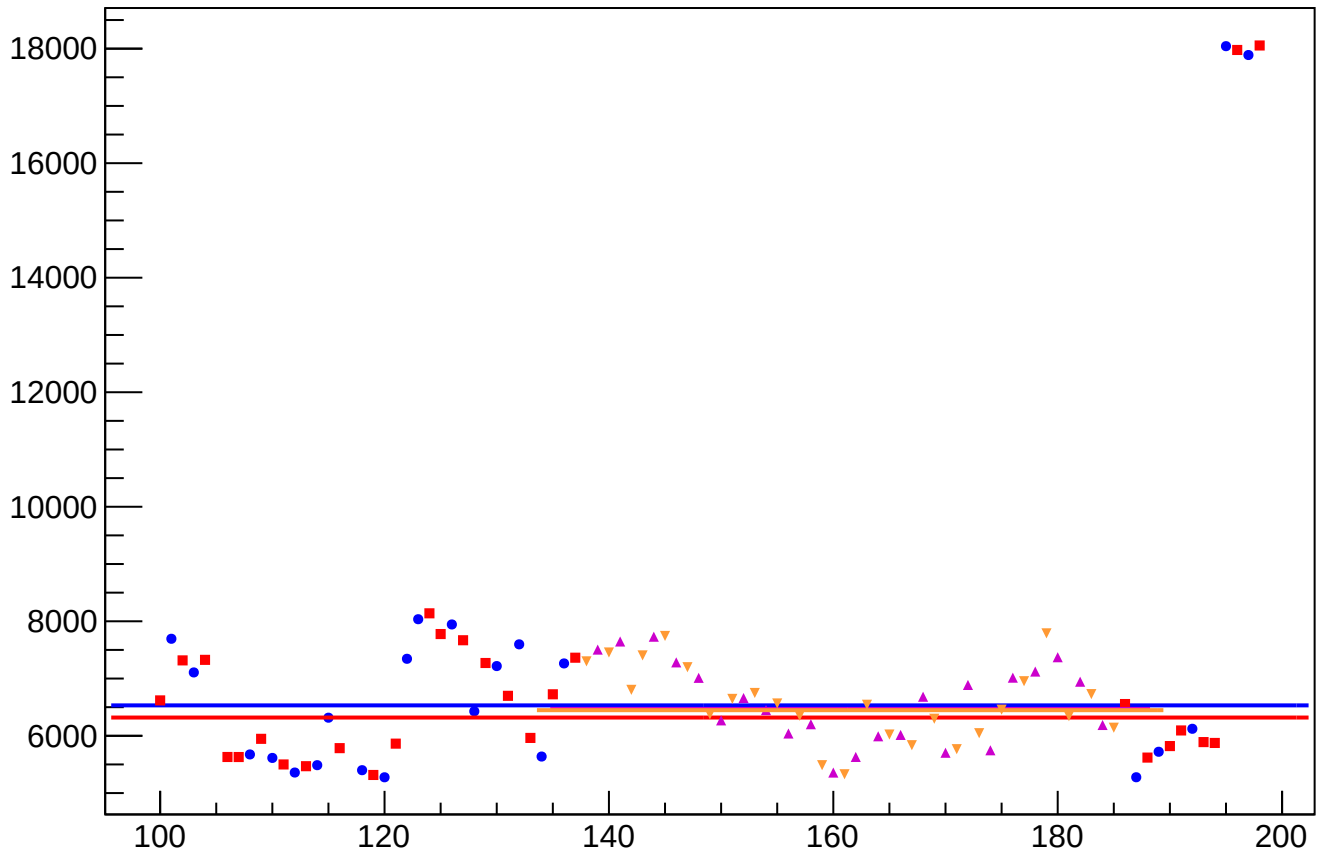
Left In: 8.683 ± 1.571 $\chi^2/\text{NDF}: 21.9/22$

+ sign -2.905 ± 1.246 $\chi^2/\text{NDF}: 187.9/46$

All: 3.546 ± 0.868 $\chi^2/\text{NDF}: 429.1/96$

- sign 9.608 ± 1.208 $\chi^2/\text{NDF}: 189.2/49$

diff_bpm0l06X_rms vs Slug



Right In: 6531.423+/-1.543 χ^2/NDF : 1595705.7/21

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

Right Out: 6319.011+/-1.337 χ^2/NDF : 1646162.2/26

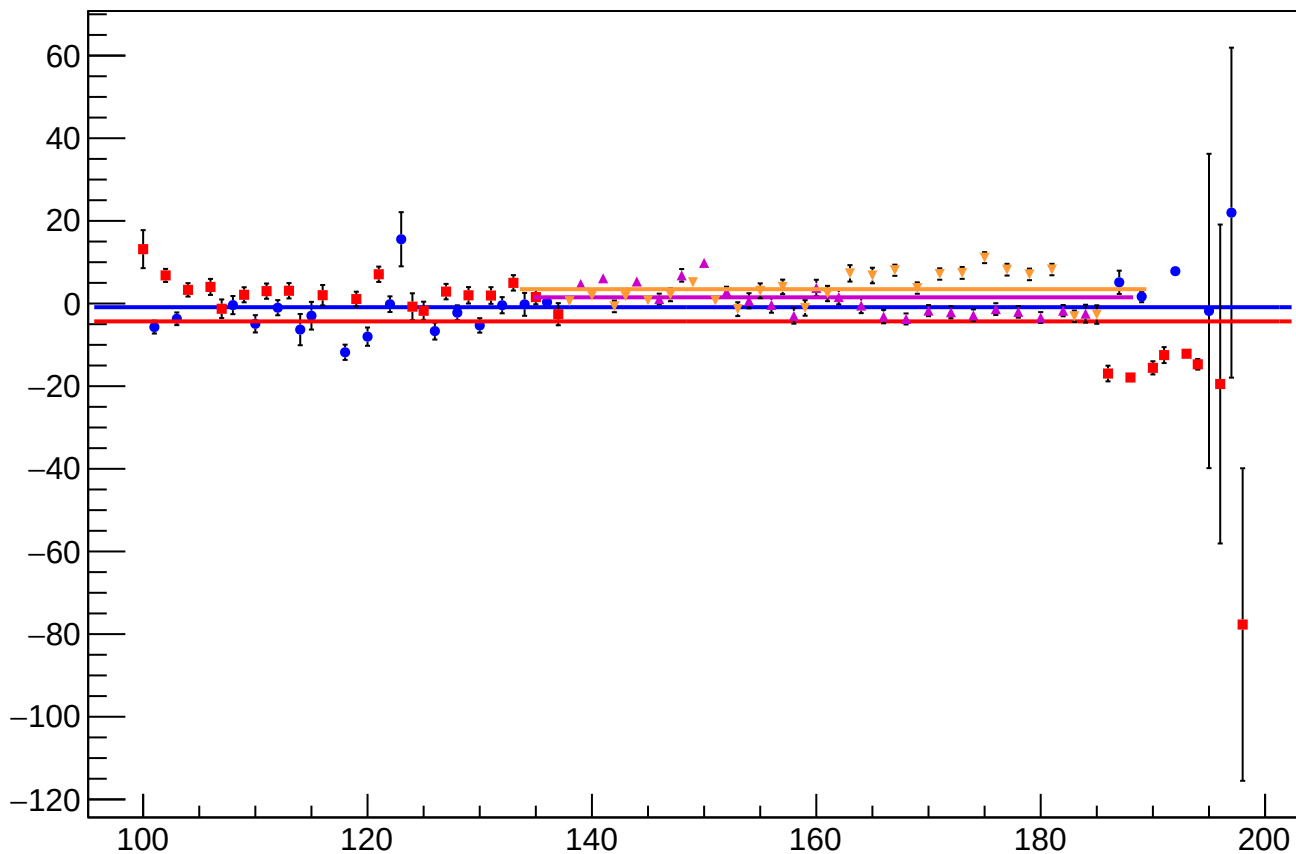
Left In: 6468.902+/-1.111 χ^2/NDF : 383325.4/22

+ sign 6475.010+/-0.881 χ^2/NDF : 1969359.4/46

All: 6440.314+/-0.613 χ^2/NDF : 4009289.5/96

- sign 6407.712+/-0.854 χ^2/NDF : 2036924.0/49

diff_bpm0l06Y_mean vs Slug



Right In: -0.888 ± 0.406 χ^2/NDF : 171.6/21

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

Right Out: -4.322 ± 0.355 χ^2/NDF : 666.0/26

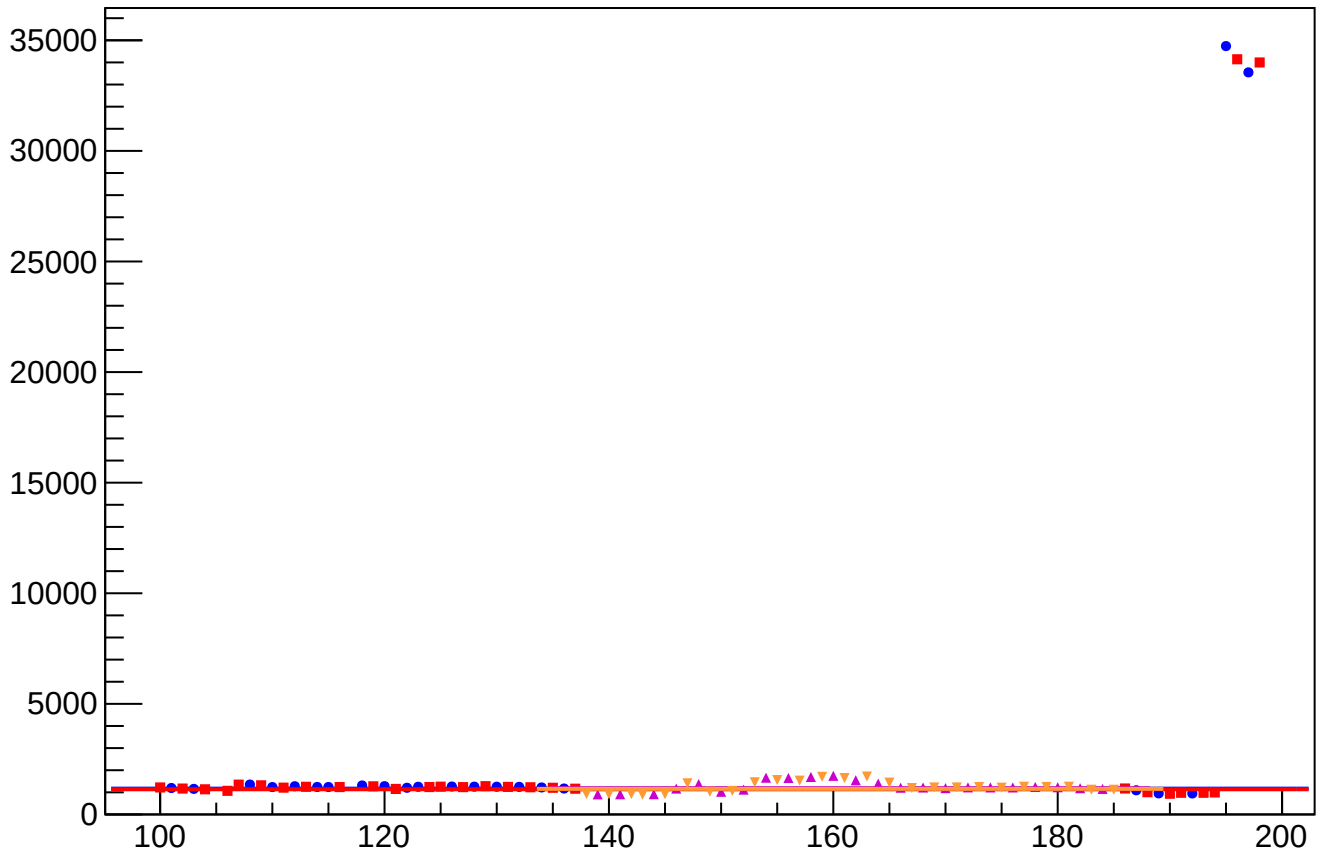
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.089 ± 0.228 χ^2/NDF : 426.4/46

All: 0.602 ± 0.160 χ^2/NDF : 1539.9/96

- sign -0.838 ± 0.225 χ^2/NDF : 1030.0/49

diff_bpm0l06Y_rms vs Slug



Right In: 1166.196 $\pm$ 0.287 χ^2 /NDF: 3083545.5/21

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

Right Out: 1138.183 $\pm$ 0.251 χ^2 /NDF: 3214522.0/26

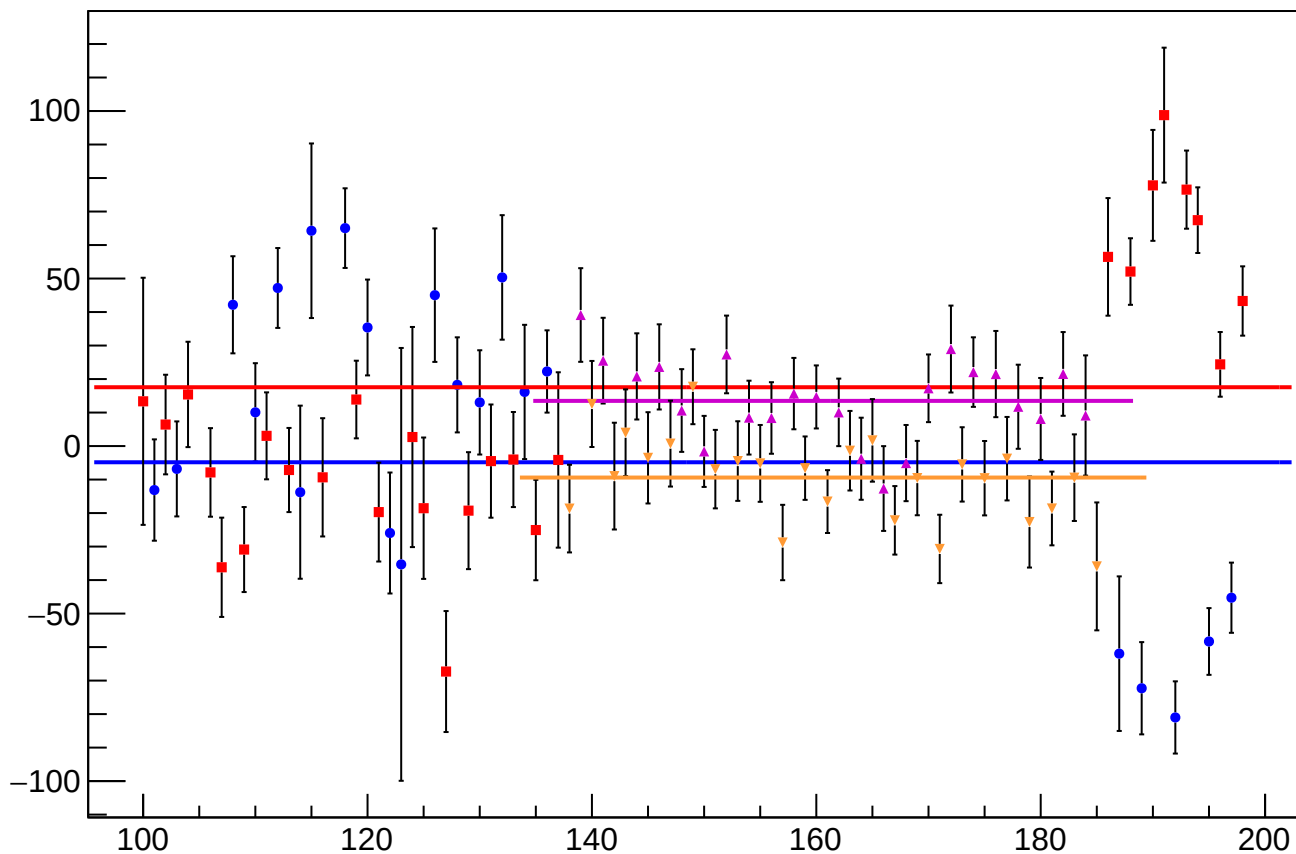
Left In: 1184.966 $\pm$ 0.206 χ^2 /NDF: 1190431.5/22

+ sign 1161.208 $\pm$ 0.162 χ^2 /NDF: 4494411.5/46

All: 1163.727 $\pm$ 0.113 χ^2 /NDF: 8920666.8/96

- sign 1166.167 $\pm$ 0.159 χ^2 /NDF: 4425776.4/49

diff_bpm0l07X_mean vs Slug



Right In: -4.837 ± 3.121 χ^2/NDF : 231.0/21

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

Right Out: 17.559 ± 2.726 χ^2/NDF : 193.1/26

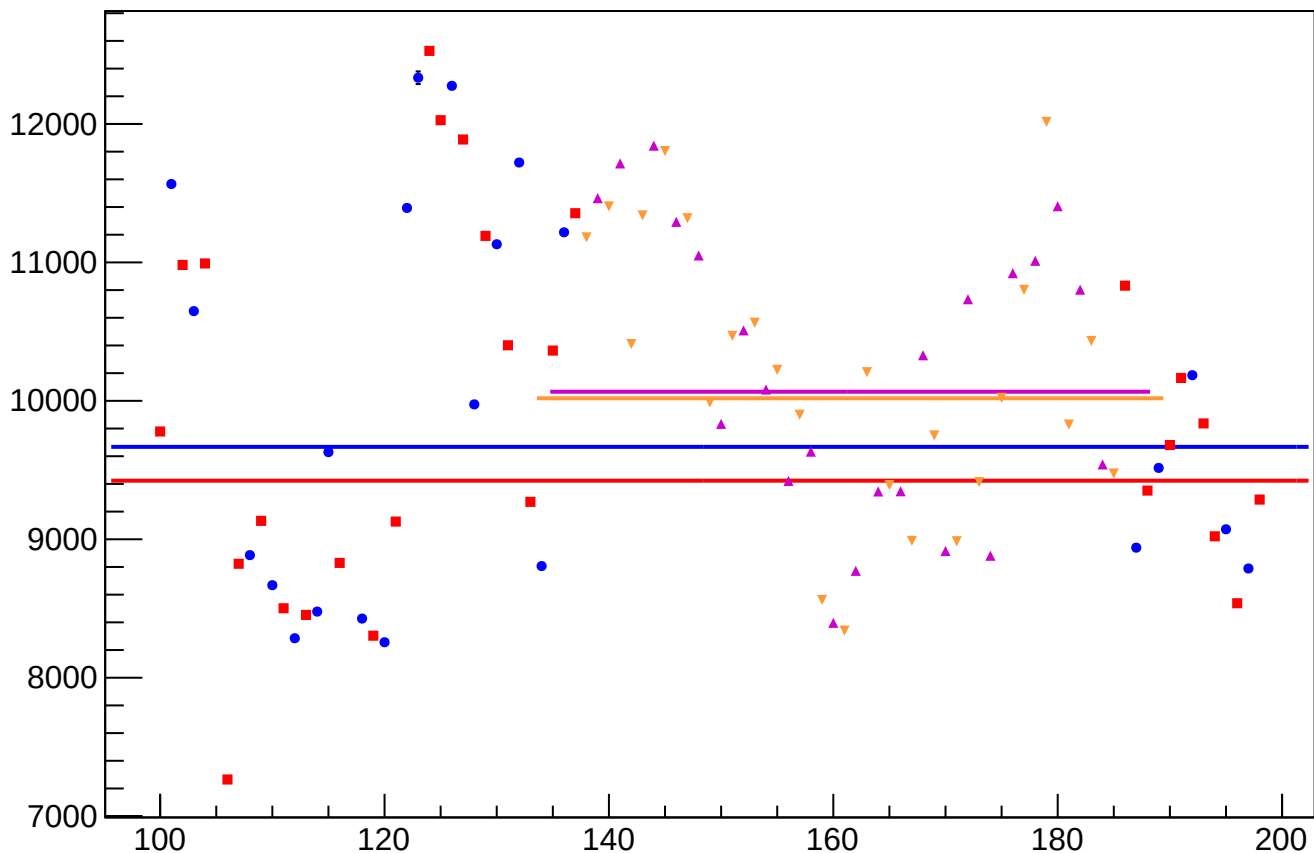
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign -7.740 ± 1.882 χ^2/NDF : 258.6/46

All: 4.169 ± 1.308 χ^2/NDF : 552.0/96

- sign 15.299 ± 1.819 χ^2/NDF : 215.9/49

diff_bpm0l07X_rms vs Slug



Right In: 9667.690 ± 2.207 χ^2/NDF : 291238.5/21

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

Right Out: 9423.329 ± 1.928 χ^2/NDF : 314543.3/26

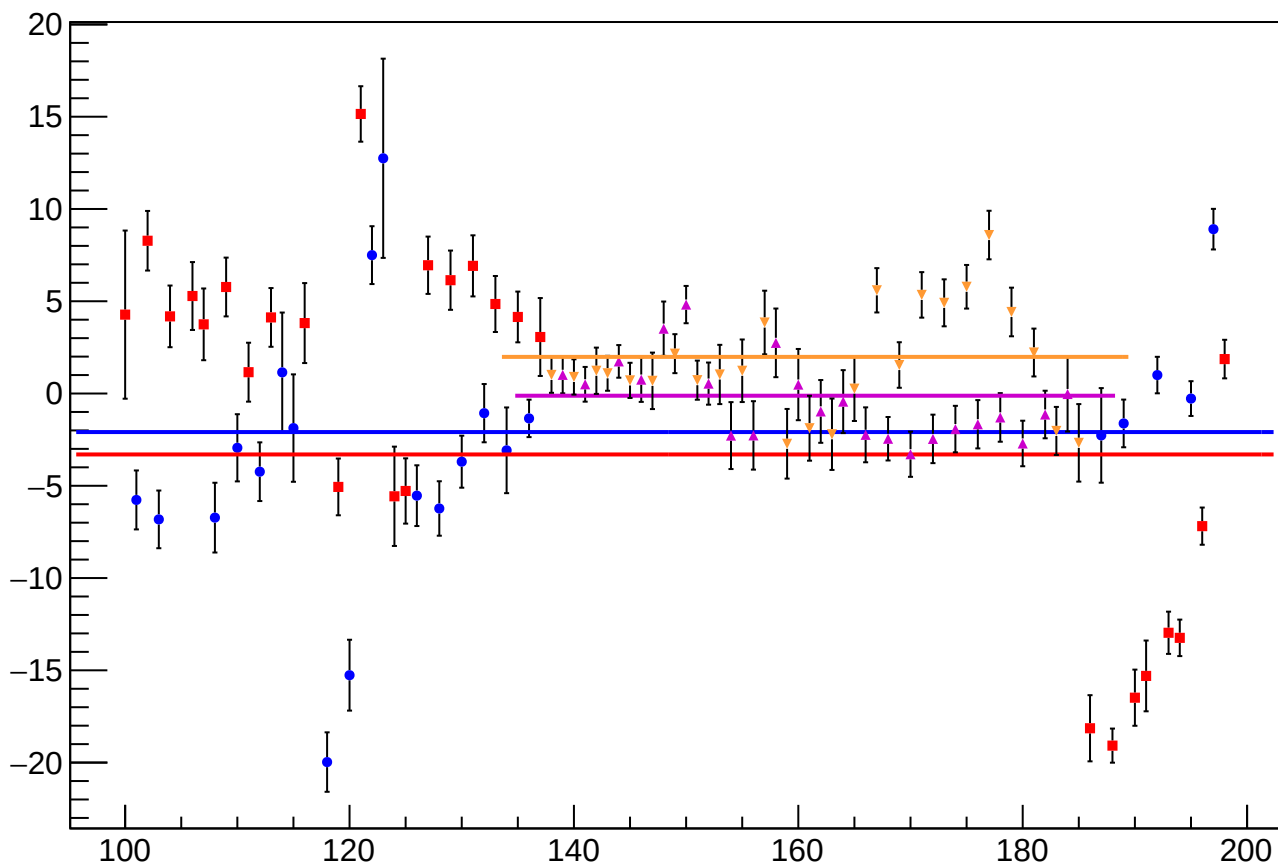
Left In: 10065.909 ± 1.727 χ^2/NDF : 357868.9/22

+ sign 9891.051 ± 1.331 χ^2/NDF : 651859.7/46

All: 9833.504 ± 0.925 χ^2/NDF : 1389526.7/96

- sign 9779.716 ± 1.286 χ^2/NDF : 734048.1/49

diff_bpm0l07Y_mean vs Slug



Right In: -2.089 ± 0.321 χ^2/NDF : 367.0/21

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

Right Out: -3.302 ± 0.285 χ^2/NDF : 1205.5/26

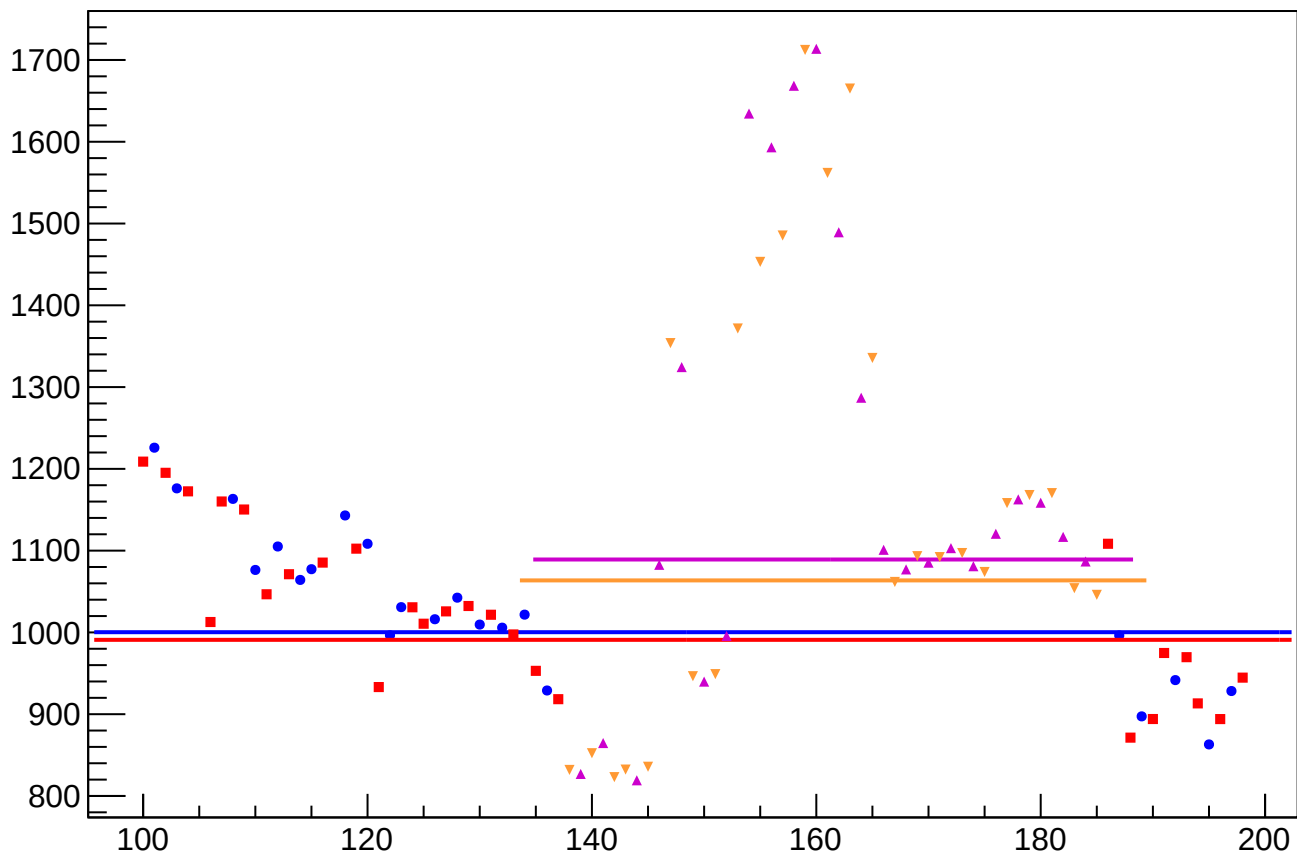
Left In: -0.120 ± 0.269 χ^2/NDF : 67.6/22

+ sign 0.410 ± 0.200 χ^2/NDF : 567.0/46

All: -0.624 ± 0.140 χ^2/NDF : 1958.7/96

- sign -1.616 ± 0.196 χ^2/NDF : 1339.1/49

diff_bpm0l07Y_rms vs Slug



Right In: 1000.274+/-0.227 χ^2/NDF : 199280.4/21

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

Right Out: 990.922+/-0.202 χ^2/NDF : 213812.3/26

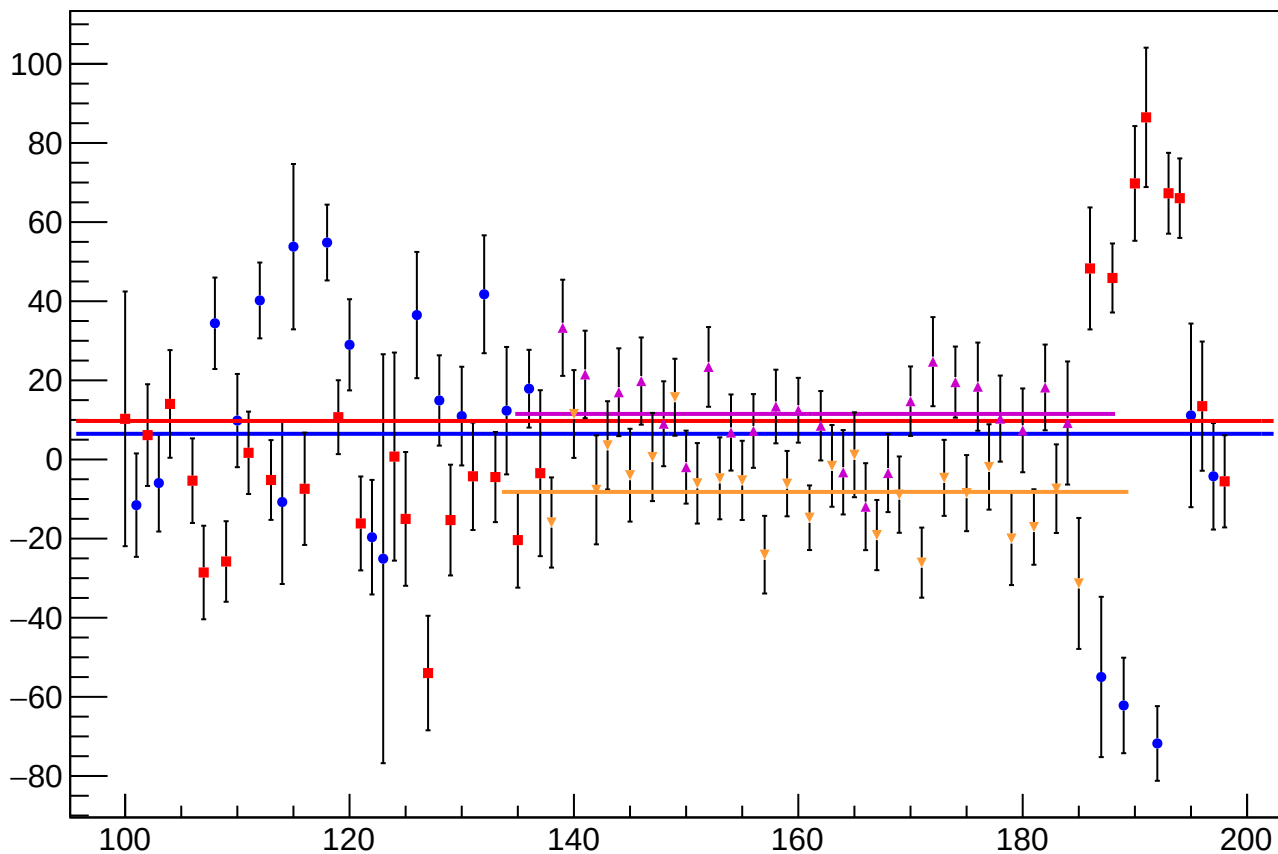
Left In: 1089.154+/-0.190 χ^2/NDF : 1430478.5/22

+ sign 1039.118+/-0.141 χ^2/NDF : 1864412.8/46

All: 1041.079+/-0.099 χ^2/NDF : 3634782.1/96

- sign 1042.963+/-0.138 χ^2/NDF : 1769990.7/49

diff_bpm0l08X_mean vs Slug



Right In: 6.487 ± 2.764 χ^2/NDF : 182.3/21

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

Right Out: 9.737 ± 2.400 χ^2/NDF : 192.4/26

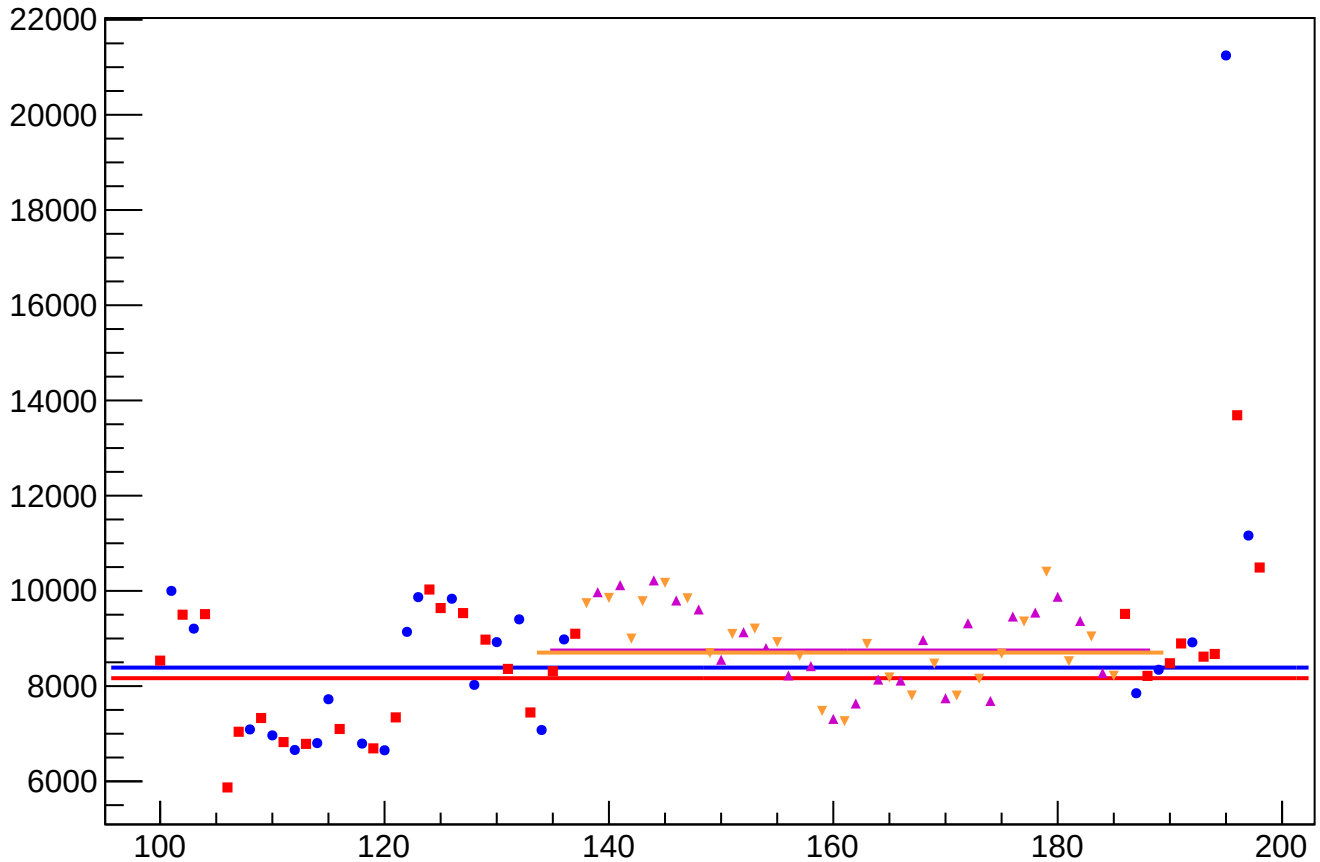
Left In: 11.515 ± 2.122 χ^2/NDF : 21.0/22

+ sign -2.989 ± 1.646 χ^2/NDF : 226.6/46

All: 4.110 ± 1.143 χ^2/NDF : 476.4/96

- sign 10.735 ± 1.590 χ^2/NDF : 213.8/49

diff_bpm0l08X_rms vs Slug



Right In: 8388.798 $\pm$ 1.954 χ^2 /NDF: 1038872.4/21

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

Right Out: 8166.526 $\pm$ 1.697 χ^2 /NDF: 706134.5/26

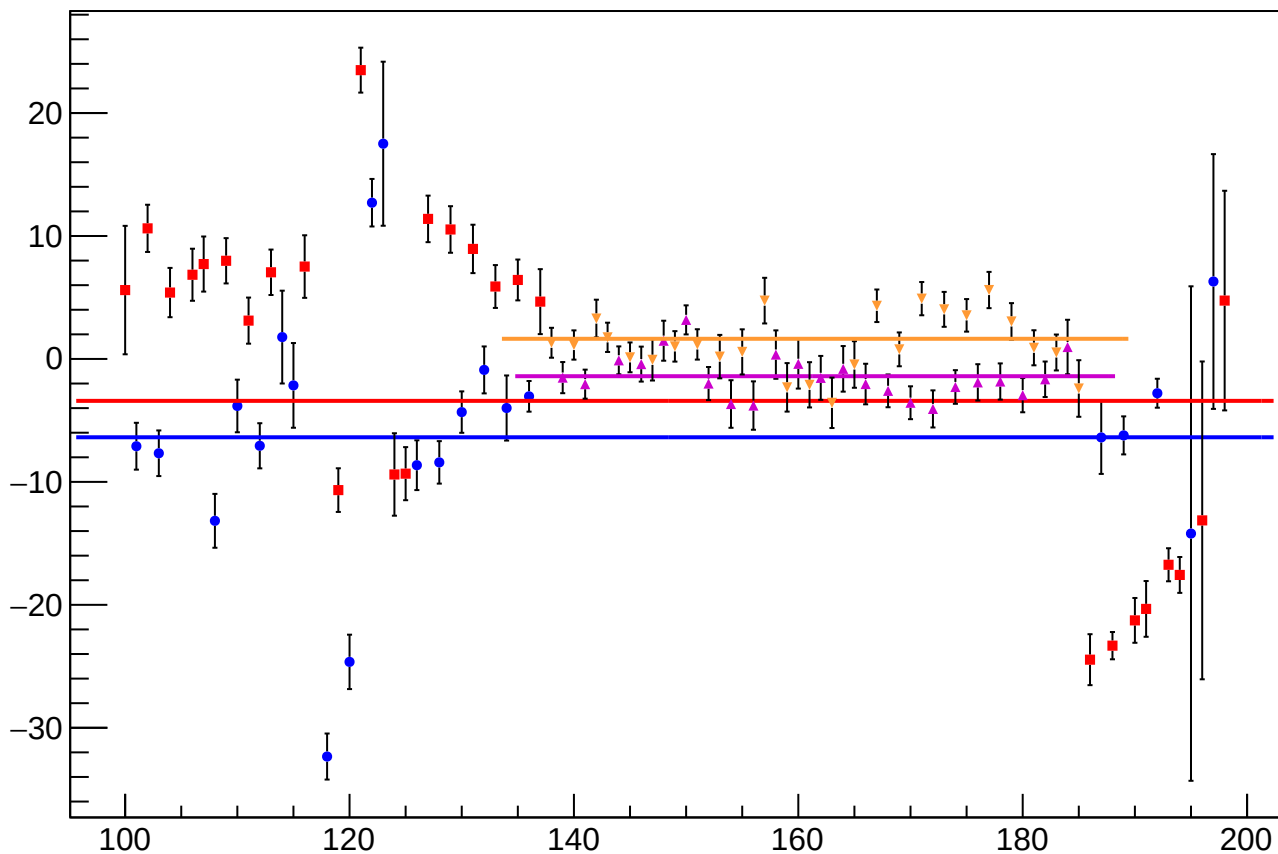
Left In: 8747.415 $\pm$ 1.501 χ^2 /NDF: 347110.4/22

+ sign 8592.358 $\pm$ 1.164 χ^2 /NDF: 1388045.1/46

All: 8540.694 $\pm$ 0.809 χ^2 /NDF: 2510851.9/96

- sign 8492.486 $\pm$ 1.124 χ^2 /NDF: 1118997.0/49

diff_bpm0l08Y_mean vs Slug



Right In: -6.371 ± 0.427 $\chi^2/\text{NDF}: 420.0/21$

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

Right Out: -3.410 ± 0.374 $\chi^2/\text{NDF}: 1467.3/26$

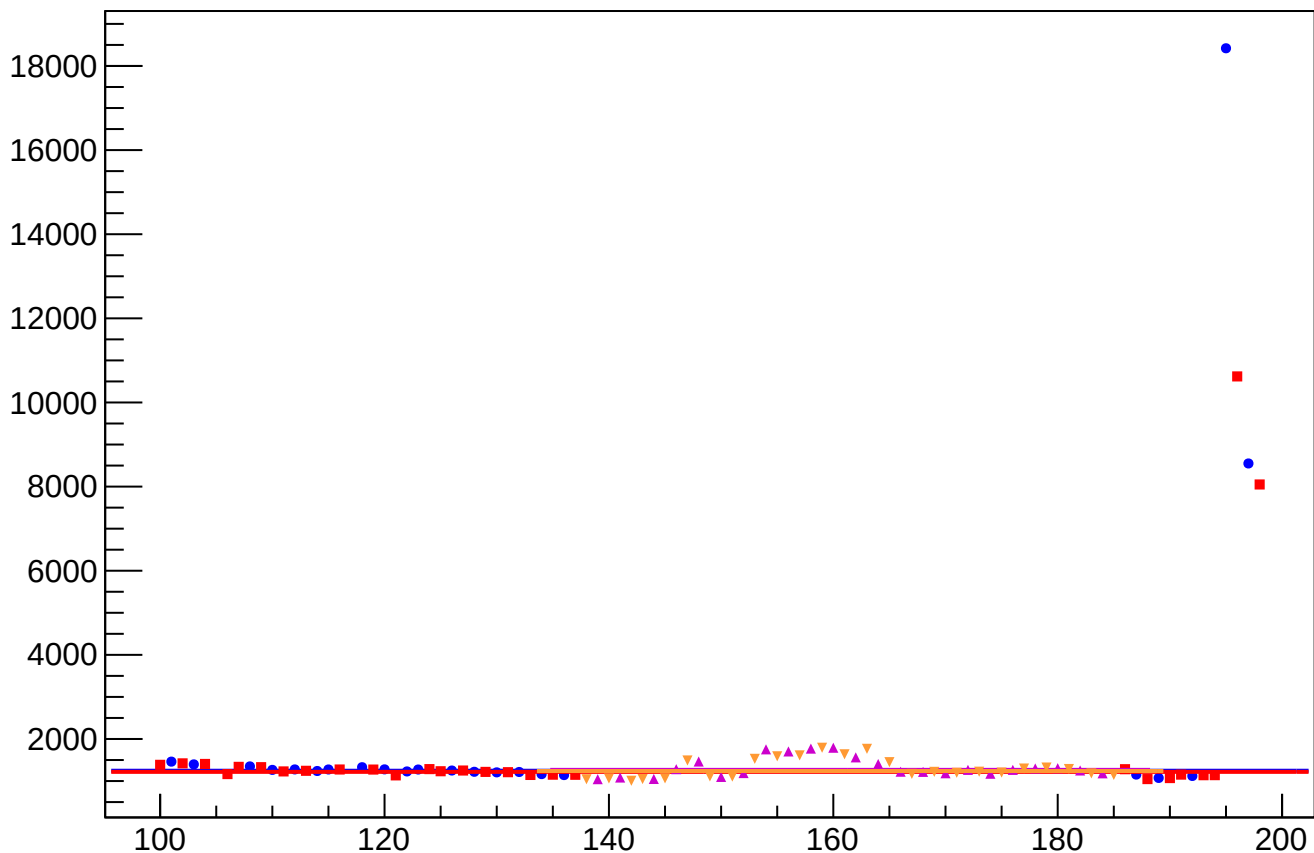
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -0.931 ± 0.242 $\chi^2/\text{NDF}: 710.1/46$

All: -1.585 ± 0.170 $\chi^2/\text{NDF}: 2243.0/96$

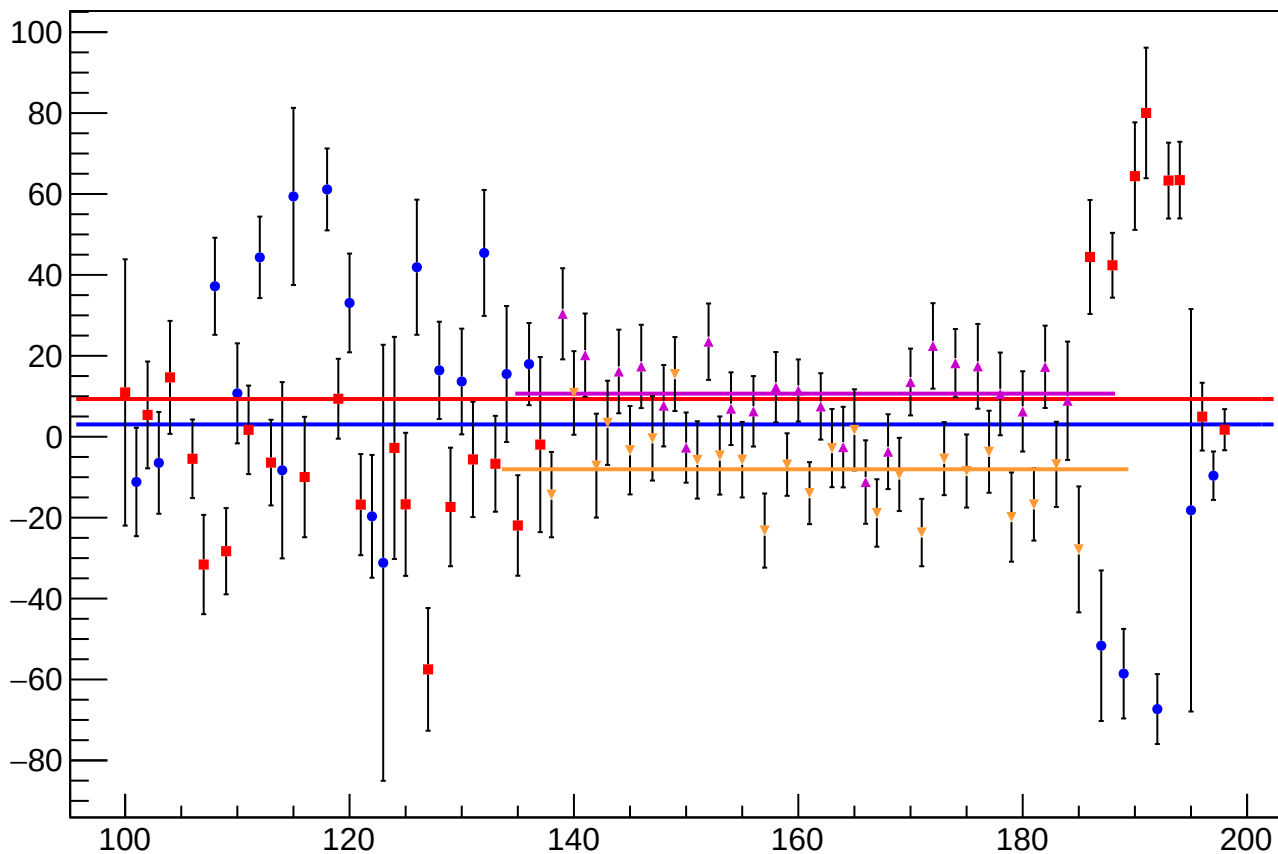
- sign -2.218 ± 0.238 $\chi^2/\text{NDF}: 1518.5/49$

diff_bpm0l08Y_rms vs Slug



Right In: 1245.145+/-0.302 χ^2/NDF : 2568221.9/21 + sign 1240.589+/-0.171 χ^2/NDF : 3533729.9/46
Left Out: 1238.437+/-0.208 χ^2/NDF : 965173.0/24 All: 1243.583+/-0.120 χ^2/NDF : 6777525.8/96
Right Out: 1218.405+/-0.264 χ^2/NDF : 2379032.6/26 - sign 1246.482+/-0.168 χ^2/NDF : 3243193.2/49
Left In: 1265.673+/-0.218 χ^2/NDF : 845157.0/22

diff_bpm0l09X_mean vs Slug



Right In: 3.045 ± 2.608 χ^2/NDF : 203.4/21

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

Right Out: 9.318 ± 2.151 χ^2/NDF : 197.4/26

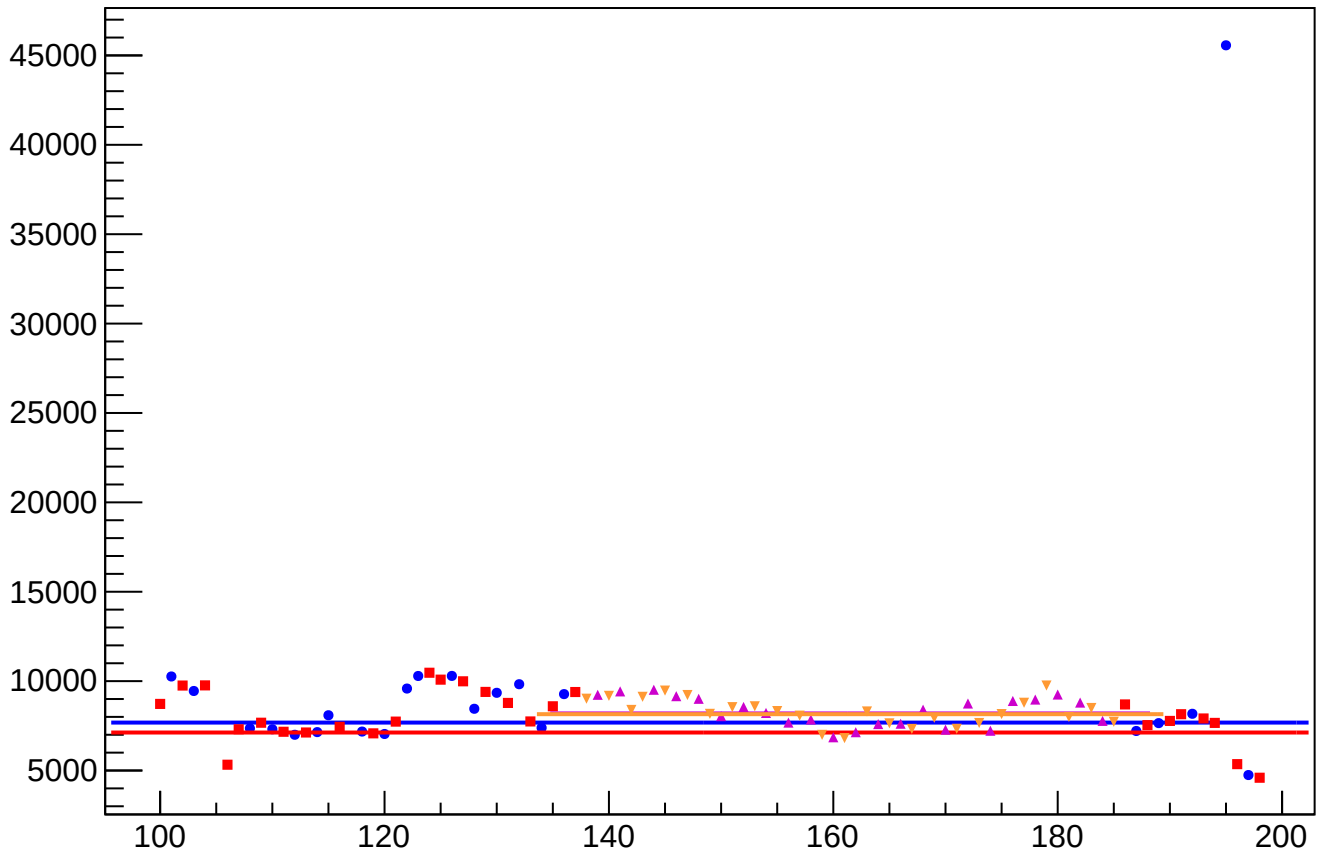
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

+ sign -4.150 ± 1.545 χ^2/NDF : 241.5/46

All: 3.347 ± 1.061 χ^2/NDF : 505.0/96

- sign 10.038 ± 1.460 χ^2/NDF : 219.0/49

diff_bpm0l09X_rms vs Slug



Right In: 7681.688 $\pm$ 1.844 χ^2 /NDF: 2000564.3/21

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

Right Out: 7125.582 $\pm$ 1.521 χ^2 /NDF: 1170361.9/26

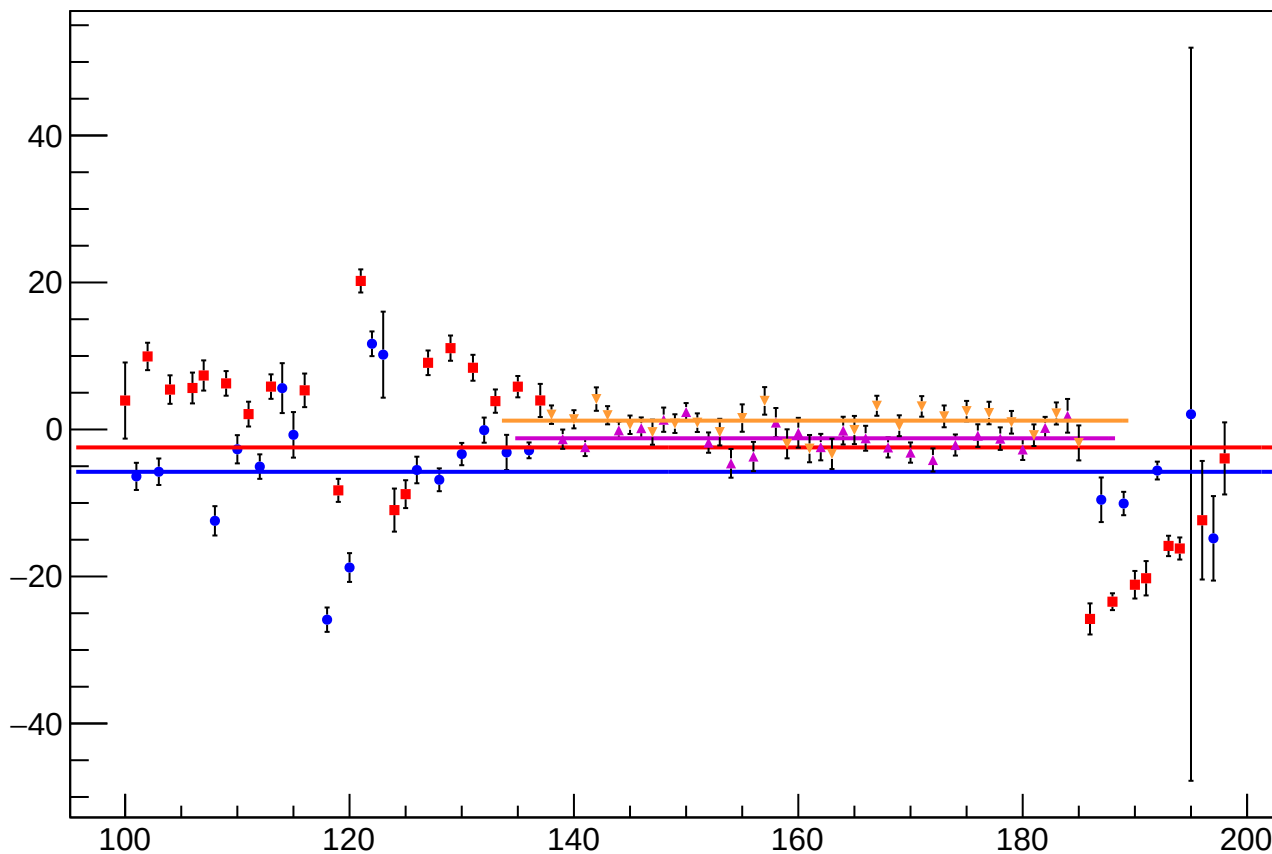
Left In: 8193.636 $\pm$ 1.405 χ^2 /NDF: 338377.6/22

+ sign 7986.556 $\pm$ 1.093 χ^2 /NDF: 2364487.4/46

All: 7836.111 $\pm$ 0.750 χ^2 /NDF: 4175051.9/96

- sign 7701.815 $\pm$ 1.032 χ^2 /NDF: 1774681.1/49

diff_bpm0l09Y_mean vs Slug



Right In: -5.760 ± 0.394 χ^2/NDF : 368.3/21

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

Right Out: -2.441 ± 0.352 χ^2/NDF : 1408.1/26

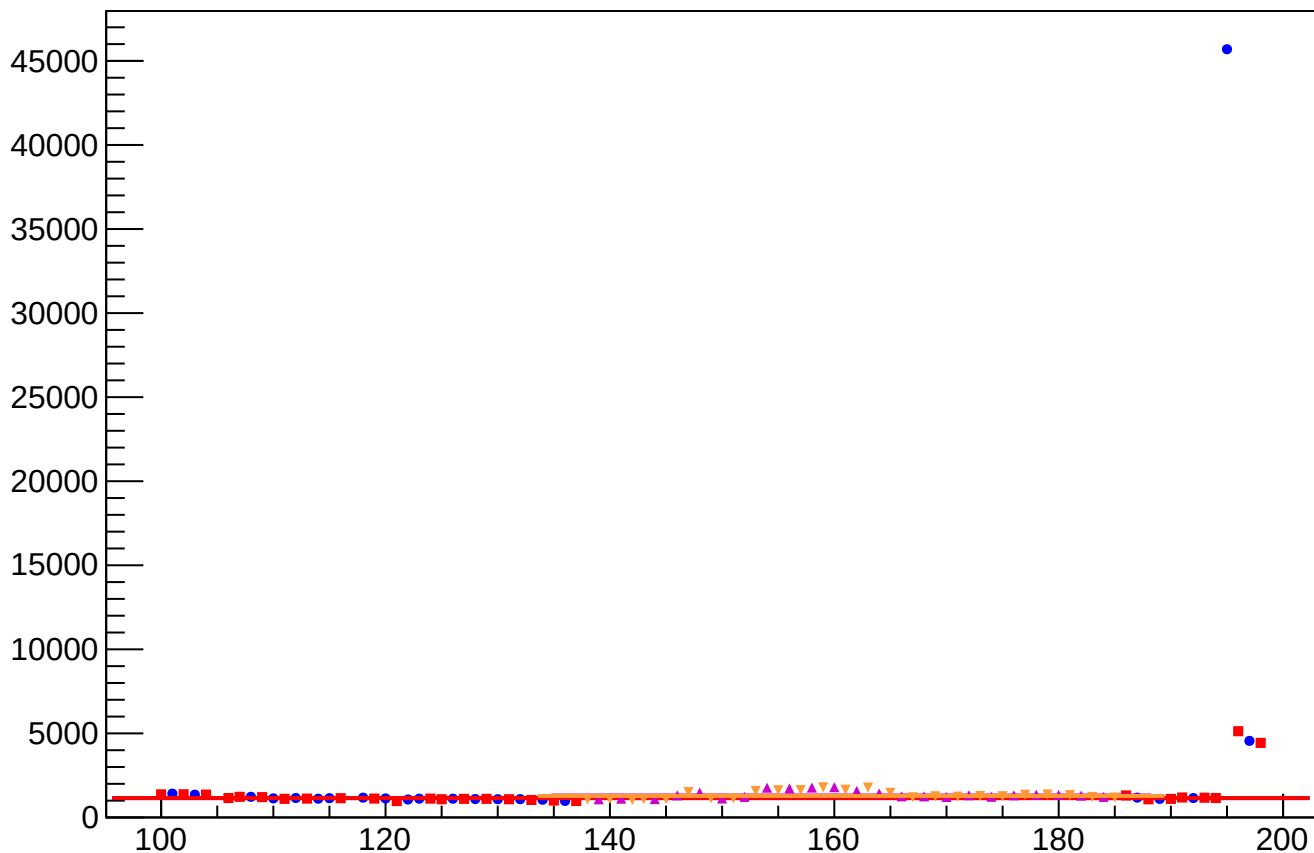
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -1.377 ± 0.240 χ^2/NDF : 594.7/46

All: -1.570 ± 0.168 χ^2/NDF : 2042.1/96

- sign -1.757 ± 0.236 χ^2/NDF : 1446.2/49

diff_bpm0l09Y_rms vs Slug



Right In: 1149.763+/-0.279 χ^2/NDF : 2436754.0/21

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

Right Out: 1154.092+/-0.249 χ^2/NDF : 1543240.4/26

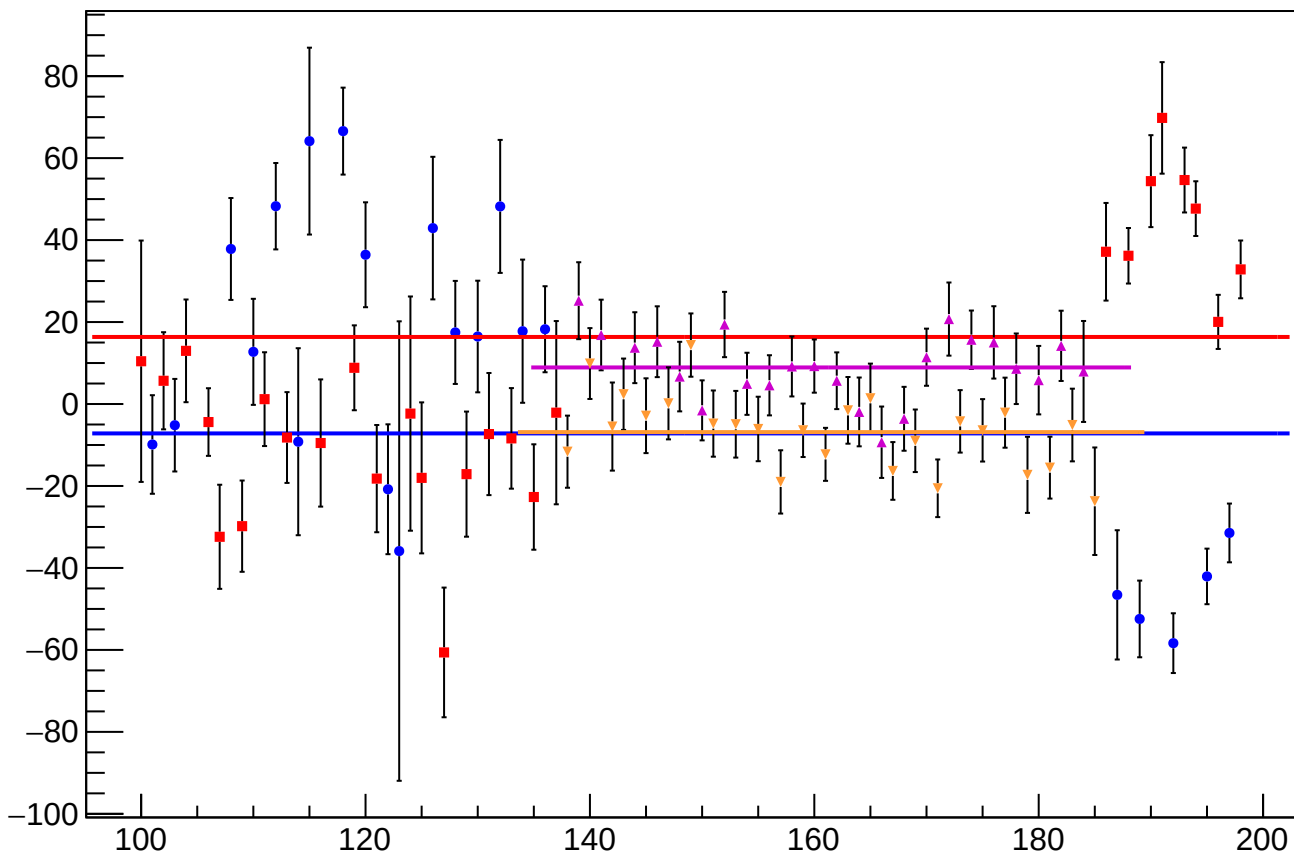
Left In: 1305.541+/-0.225 χ^2/NDF : 760450.8/22

+ sign 1230.431+/-0.170 χ^2/NDF : 3447938.4/46

All: 1233.978+/-0.119 χ^2/NDF : 5956376.0/96

- sign 1237.409+/-0.167 χ^2/NDF : 2507577.7/49

diff_bpm0l10X_mean vs Slug



Right In: -7.175 ± 2.455 χ^2/NDF : 265.5/21

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

Right Out: 16.362 ± 2.067 χ^2/NDF : 194.7/26

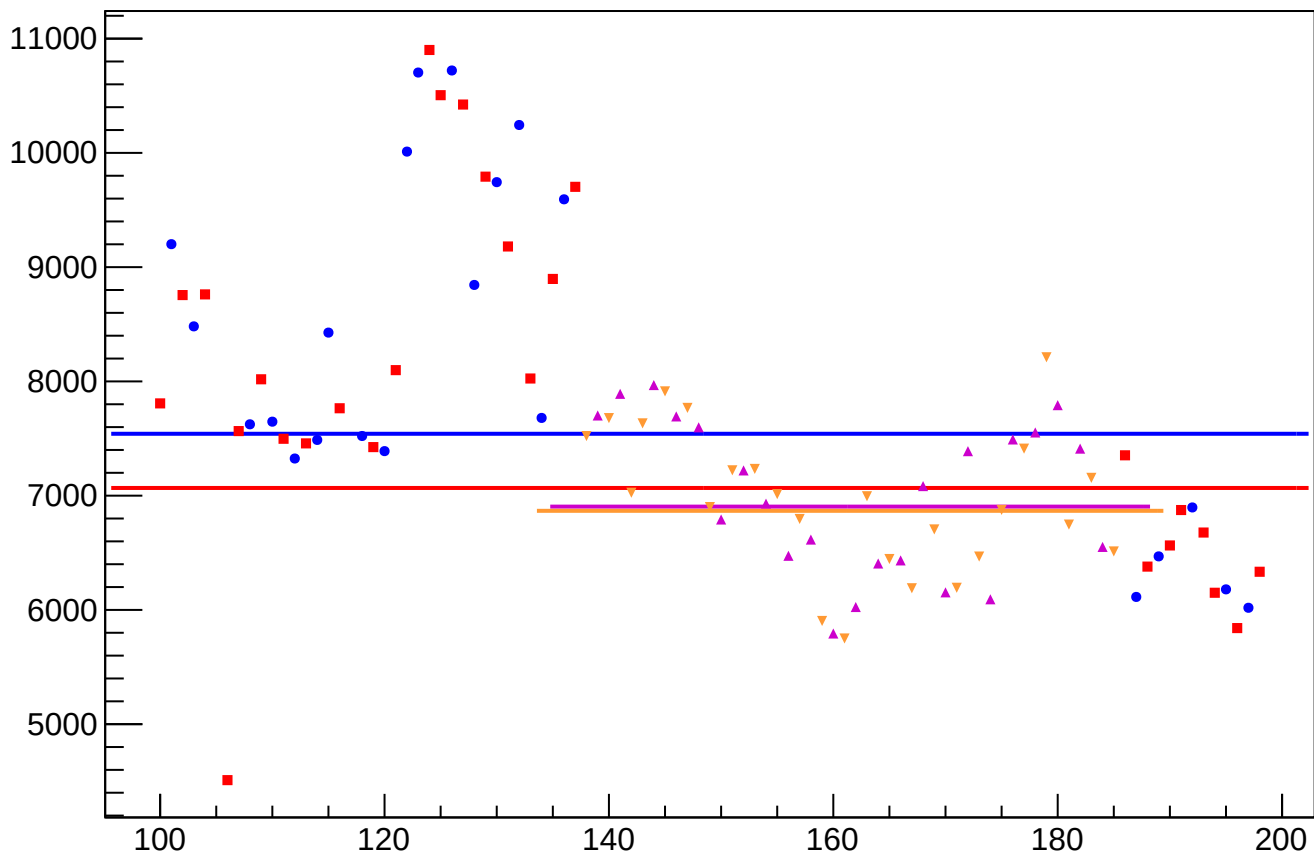
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -6.951 ± 1.349 χ^2/NDF : 294.2/46

All: 2.803 ± 0.937 χ^2/NDF : 619.4/96

- sign 11.870 ± 1.301 χ^2/NDF : 224.4/49

diff_bpm0l10X_rms vs Slug



Right In: 7541.674 $\pm$ 1.736 χ^2/NDF : 613170.4/21

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

Right Out: 7067.377 $\pm$ 1.462 χ^2/NDF : 851810.1/26

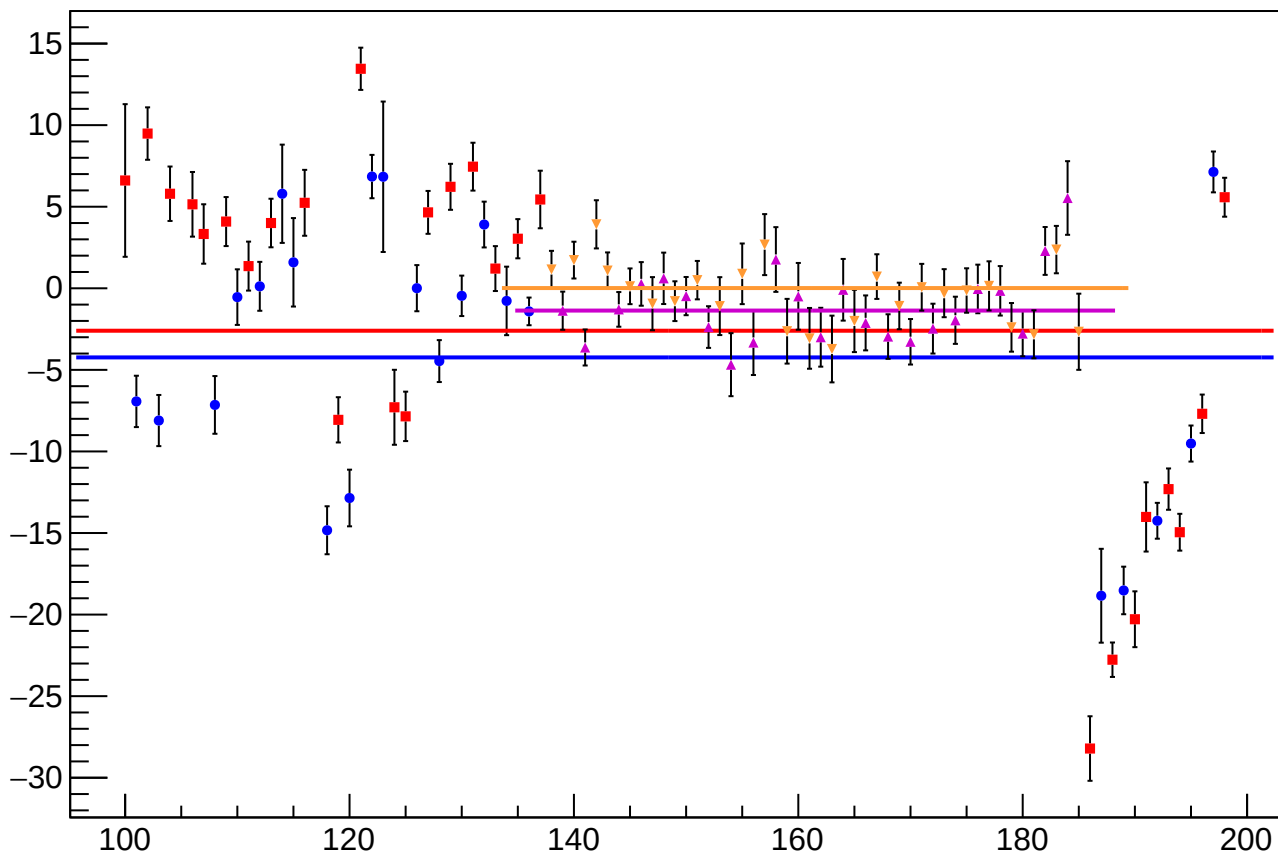
Left In: 6904.117 $\pm$ 1.184 χ^2/NDF : 325912.6/22

+ sign 7071.175 $\pm$ 0.954 χ^2/NDF : 1025374.0/46

All: 7018.113 $\pm$ 0.662 χ^2/NDF : 2216595.8/96

- sign 6968.789 $\pm$ 0.920 χ^2/NDF : 1185255.3/49

diff_bpm0l10Y_mean vs Slug



Right In: -4.237 ± 0.311 $\chi^2/\text{NDF}: 568.4/21$

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

Right Out: -2.601 ± 0.285 $\chi^2/\text{NDF}: 1438.6/26$

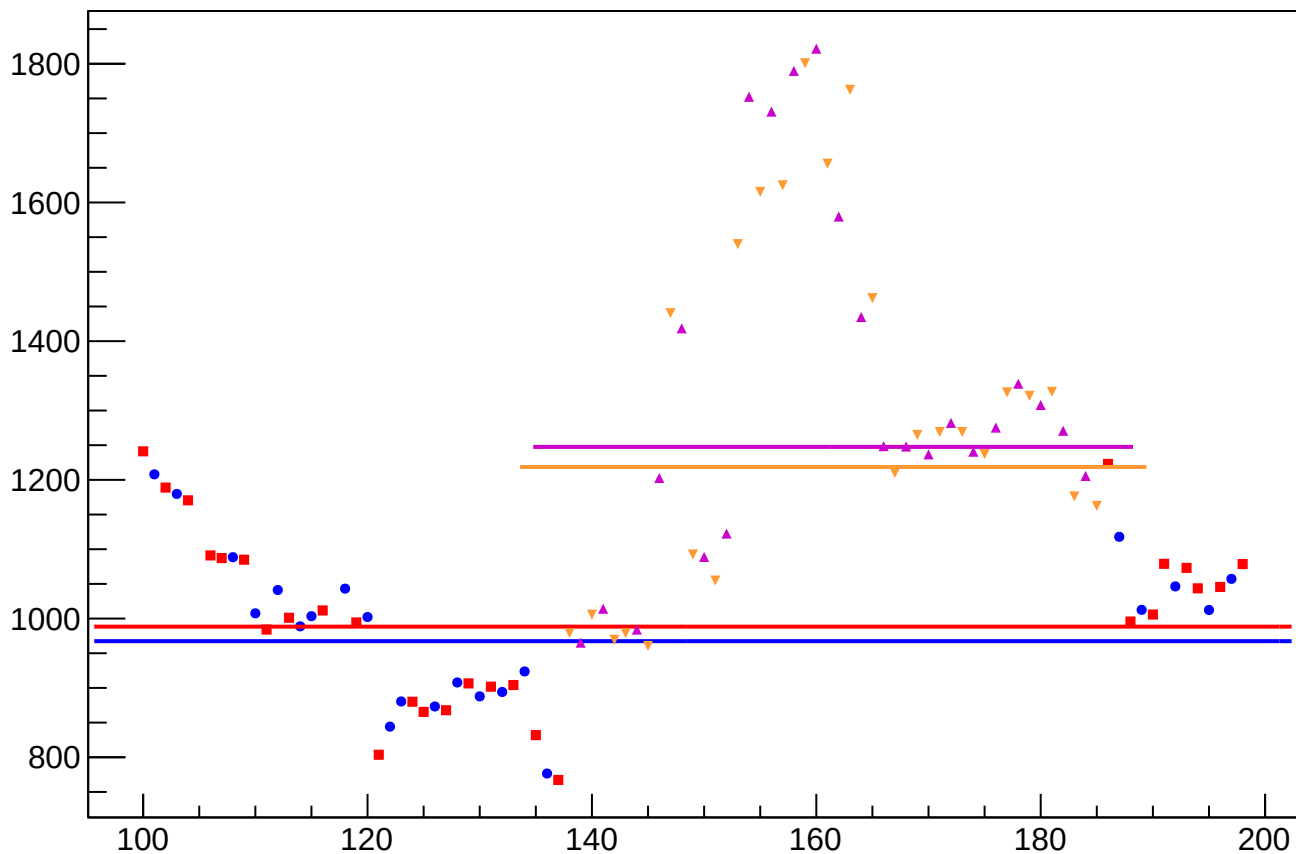
Left In: -1.365 ± 0.306 $\chi^2/\text{NDF}: 38.5/22$

+ sign -1.962 ± 0.212 $\chi^2/\text{NDF}: 703.3/46$

All: -1.995 ± 0.149 $\chi^2/\text{NDF}: 2189.2/96$

- sign -2.026 ± 0.208 $\chi^2/\text{NDF}: 1485.8/49$

diff_bpm0l10Y_rms vs Slug



Right In: 967.408 $\pm$ 0.220 χ^2 /NDF: 283633.2/21

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

Right Out: 988.367 $\pm$ 0.202 χ^2 /NDF: 304511.7/26

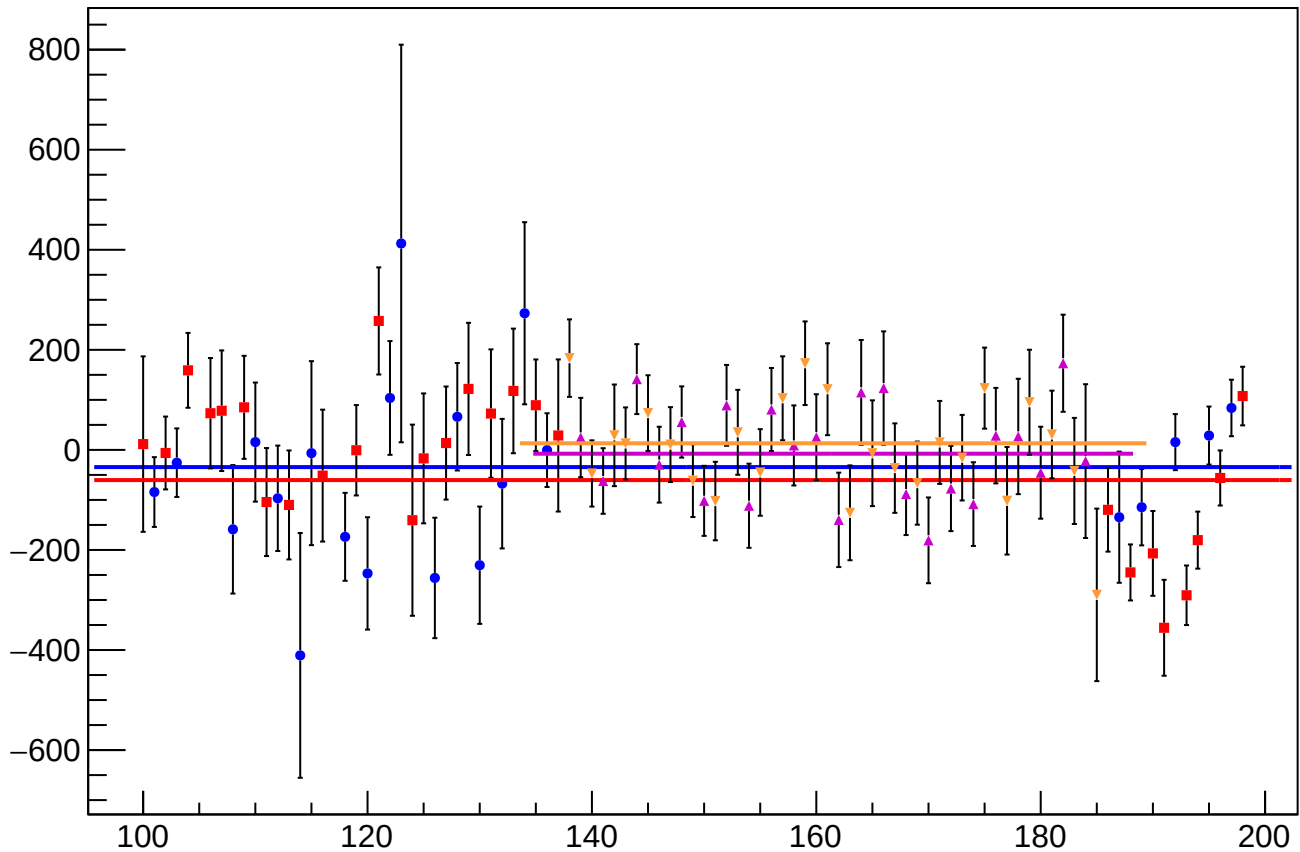
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF: 1073390.3/22

+ sign 1101.814 $\pm$ 0.150 χ^2 /NDF: 2246983.1/46

All: 1105.451 $\pm$ 0.105 χ^2 /NDF: 4395671.5/96

- sign 1108.962 $\pm$ 0.147 χ^2 /NDF: 2147532.4/49

diff_bpm0r03X_mean vs Slug



Right In: -34.380 ± 19.459 χ^2/NDF : 31.5/21

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

Right Out: -60.324 ± 16.868 χ^2/NDF : 84.0/26

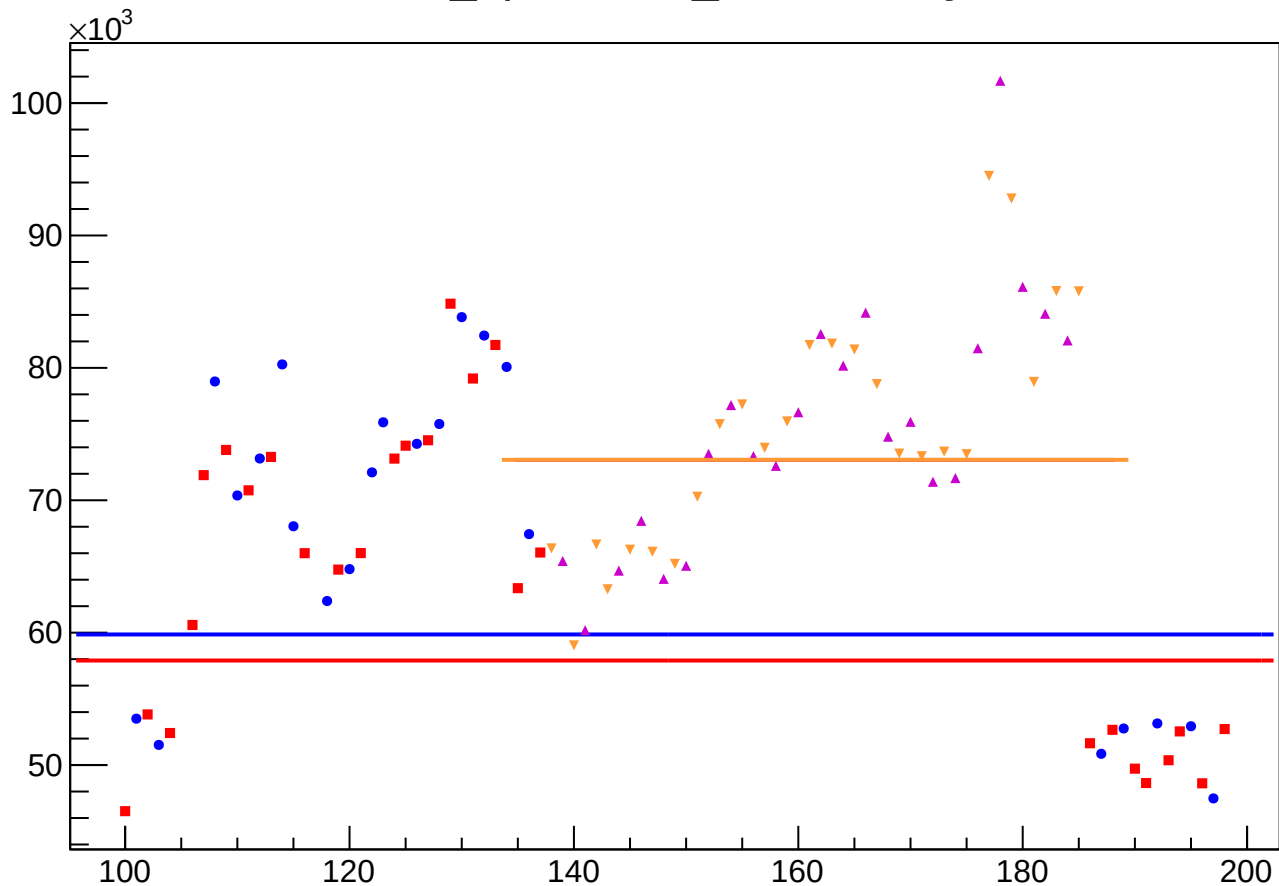
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign -7.592 ± 12.864 χ^2/NDF : 61.6/46

All: -22.123 ± 8.853 χ^2/NDF : 180.8/96

- sign -35.196 ± 12.202 χ^2/NDF : 116.7/49

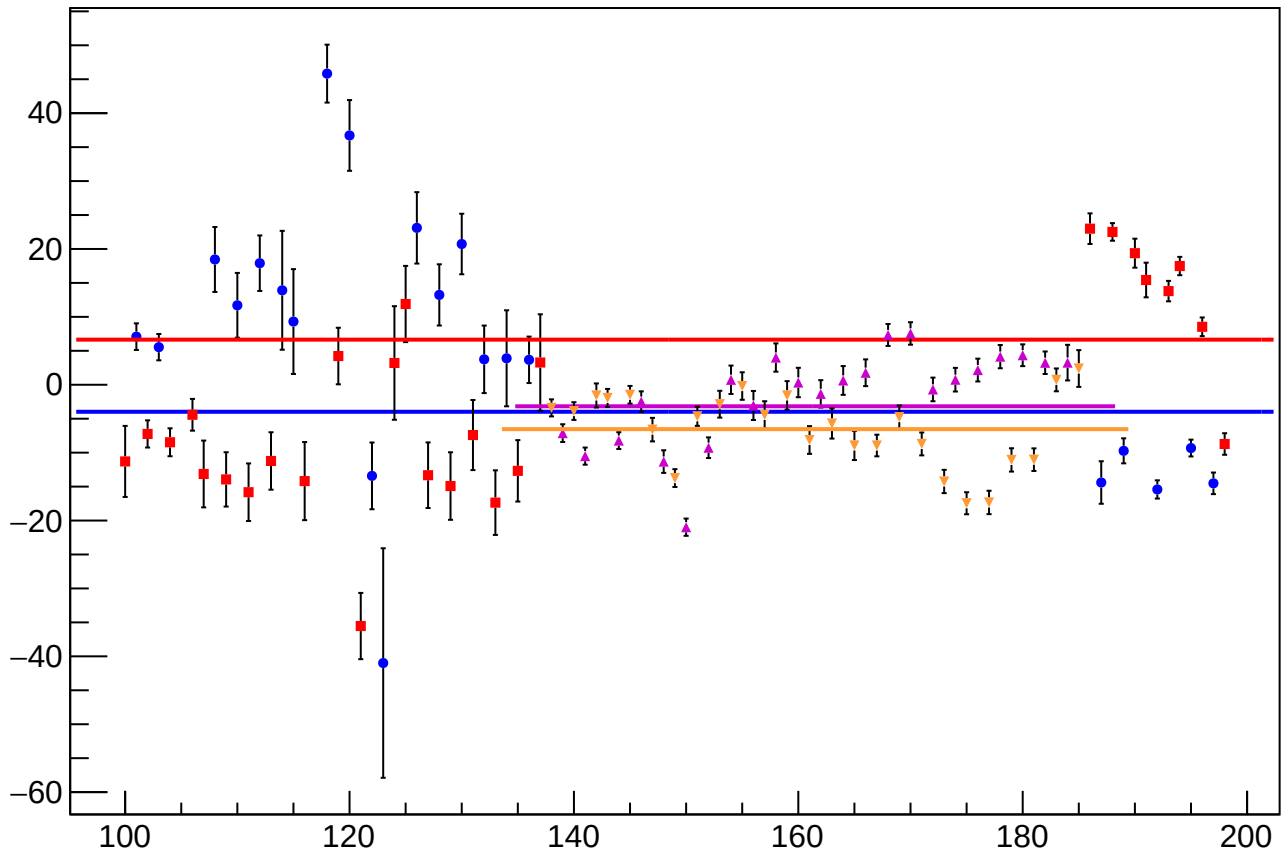
diff_bpm0r03X_rms vs Slug



Right In: 59864.455 ± 13.759 $\chi^2/\text{NDF}: 630820.7/21$
 Left Out: 73054.401 ± 12.124 $\chi^2/\text{NDF}: 473050.9/24$
 Right Out: 57896.431 ± 11.928 $\chi^2/\text{NDF}: 699836.5/26$
 Left In: 73045.500 ± 12.496 $\chi^2/\text{NDF}: 463525.5/22$

+ sign 67289.414 ± 9.097 $\chi^2/\text{NDF}: 1621166.3/46$
 All: 66146.825 ± 6.260 $\chi^2/\text{NDF}: 3583542.2/9$
 - sign 65118.909 ± 8.628 $\chi^2/\text{NDF}: 1932405.3/49$

diff_bpm0r03Y_mean vs Slug



Right In: -3.976 ± 0.566 $\chi^2/\text{NDF}: 566.8/21$

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

Right Out: 6.644 ± 0.476 $\chi^2/\text{NDF}: 834.1/26$

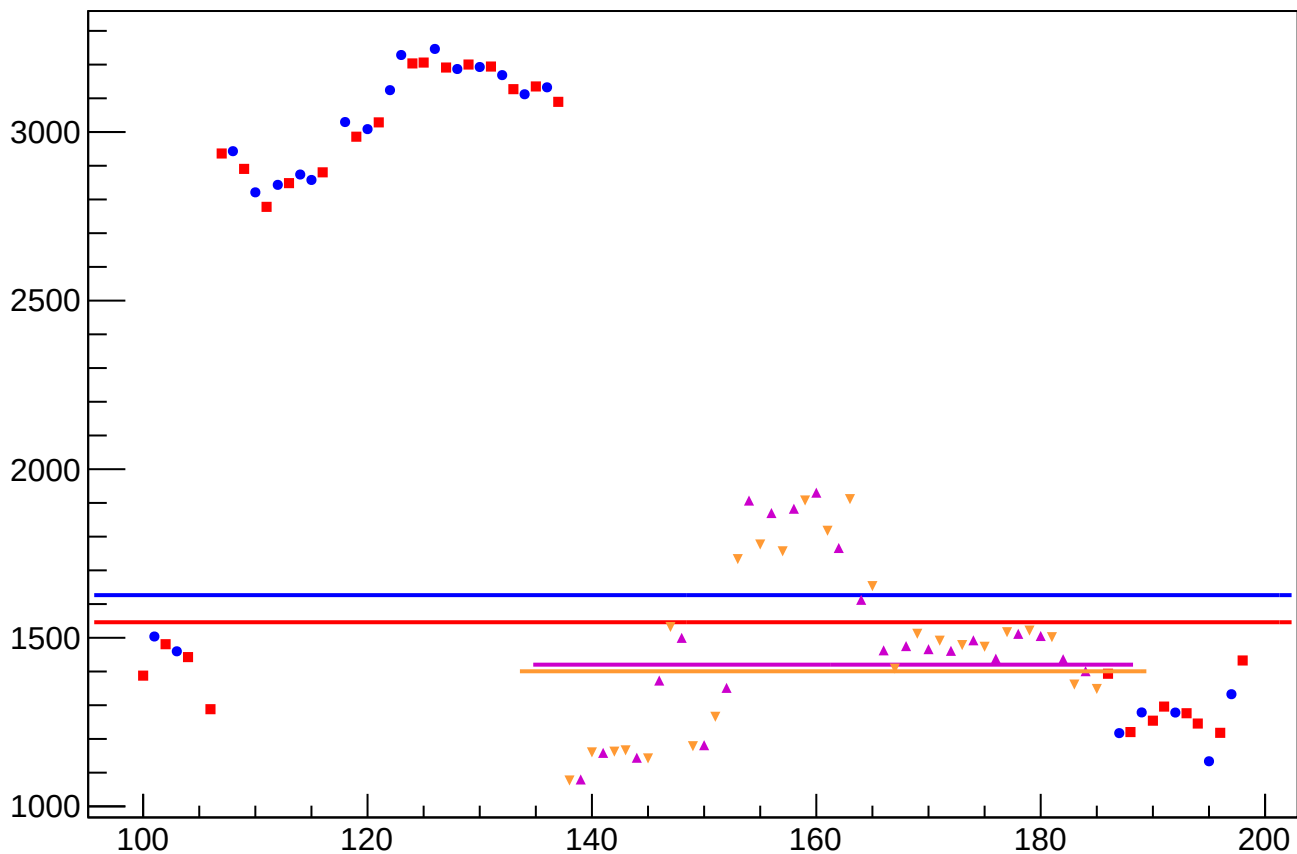
Left In: -3.171 ± 0.346 $\chi^2/\text{NDF}: 487.3/22$

+ sign -5.882 ± 0.286 $\chi^2/\text{NDF}: 834.7/46$

All: -2.762 ± 0.200 $\chi^2/\text{NDF}: 2666.5/96$

- sign 0.226 ± 0.280 $\chi^2/\text{NDF}: 1599.2/49$

diff_bpm0r03Y_rms vs Slug



Right In: 1626.493 $\pm$ 0.400 χ^2 /NDF: 3098921.4/21

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

Right Out: 1546.115 $\pm$ 0.337 χ^2 /NDF: 3260488.2/26

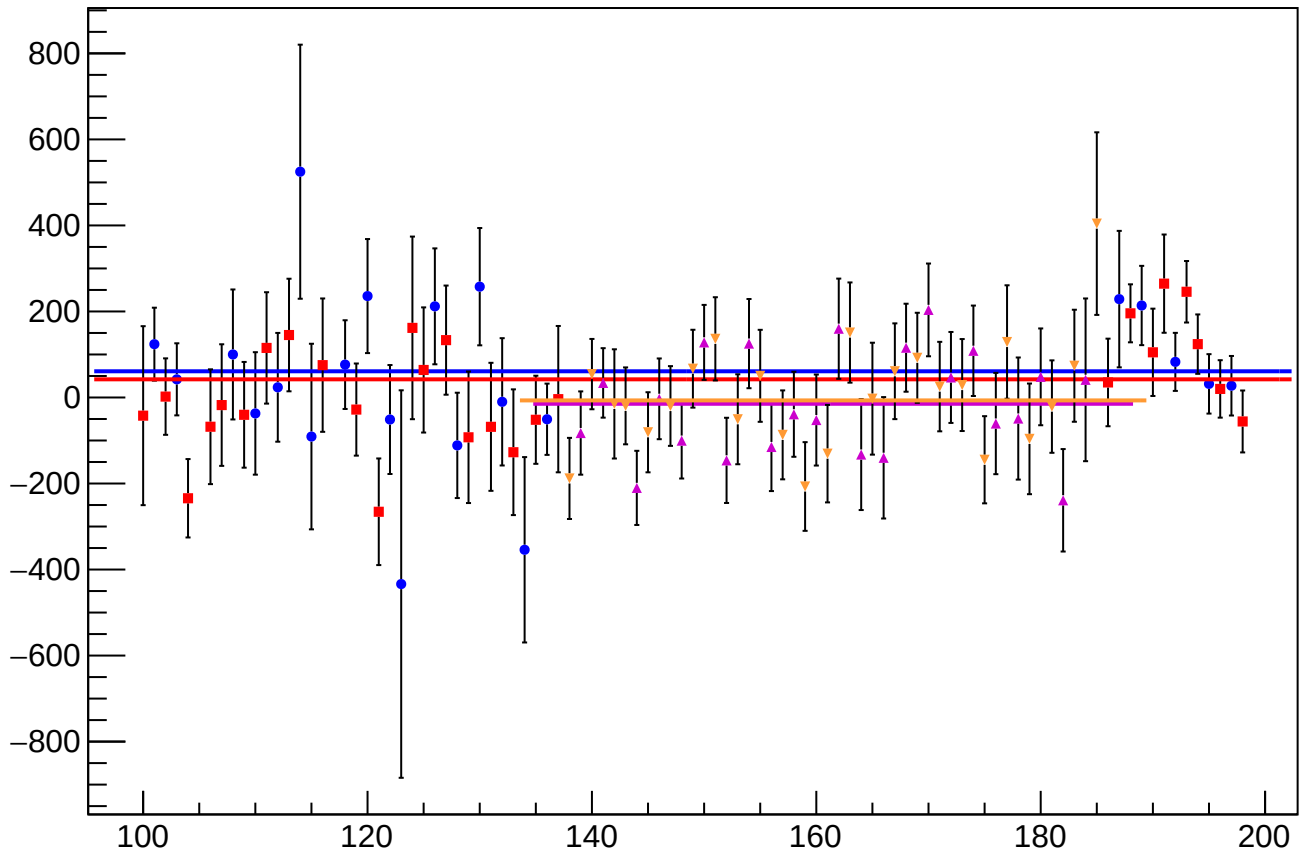
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF: 905186.2/22

+ sign 1458.378 $\pm$ 0.202 χ^2 /NDF: 4373736.9/46

All: 1461.166 $\pm$ 0.142 χ^2 /NDF: 8631093.3/96

- sign 1463.836 $\pm$ 0.198 χ^2 /NDF: 4256985.0/49

diff_bpm0r05X_mean vs Slug



Right In: 60.912 ± 23.112 χ^2/NDF : 23.4/21

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

Right Out: 42.211 ± 20.148 χ^2/NDF : 43.8/26

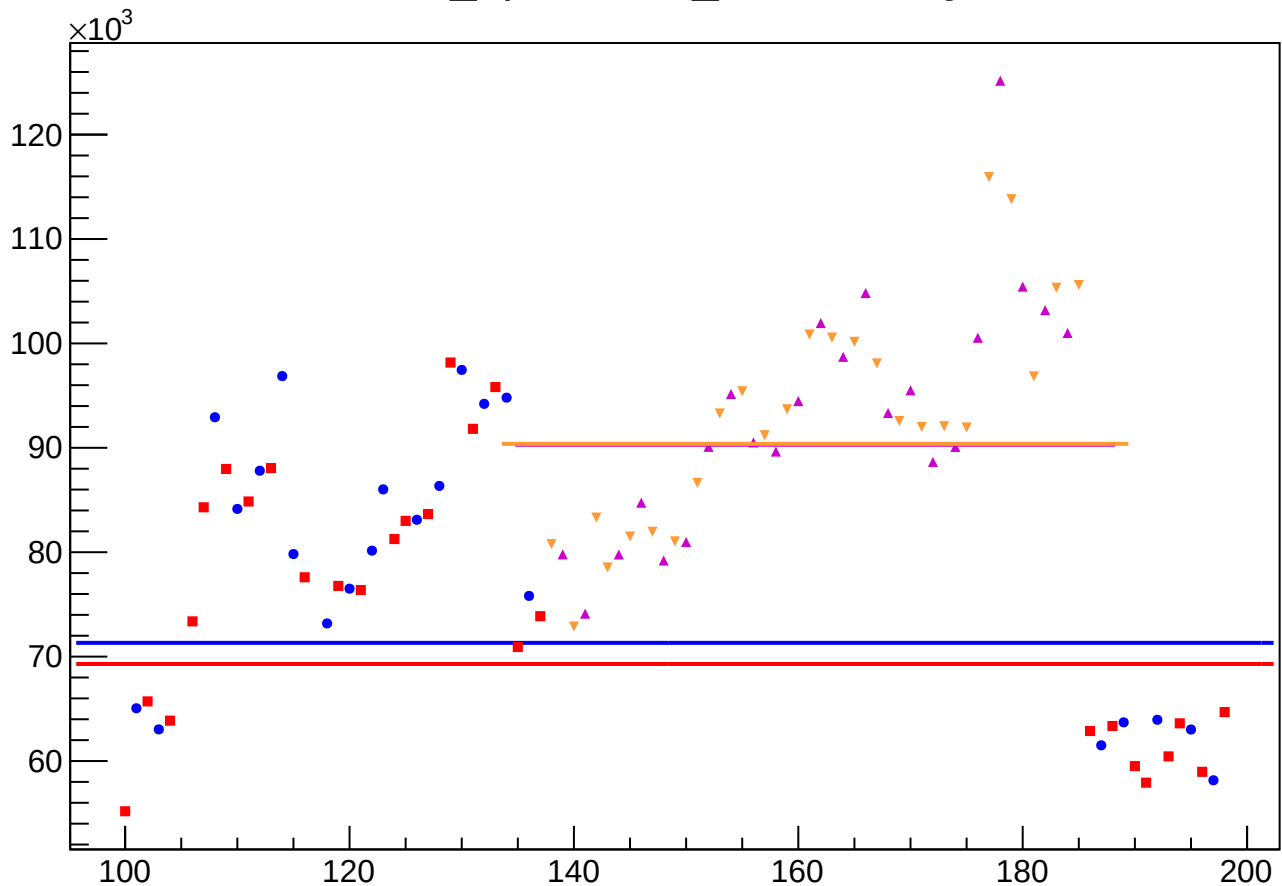
Left In: -14.611 ± 21.846 χ^2/NDF : 29.8/22

+ sign 24.167 ± 15.628 χ^2/NDF : 52.7/46

All: 19.914 ± 10.750 χ^2/NDF : 130.1/96

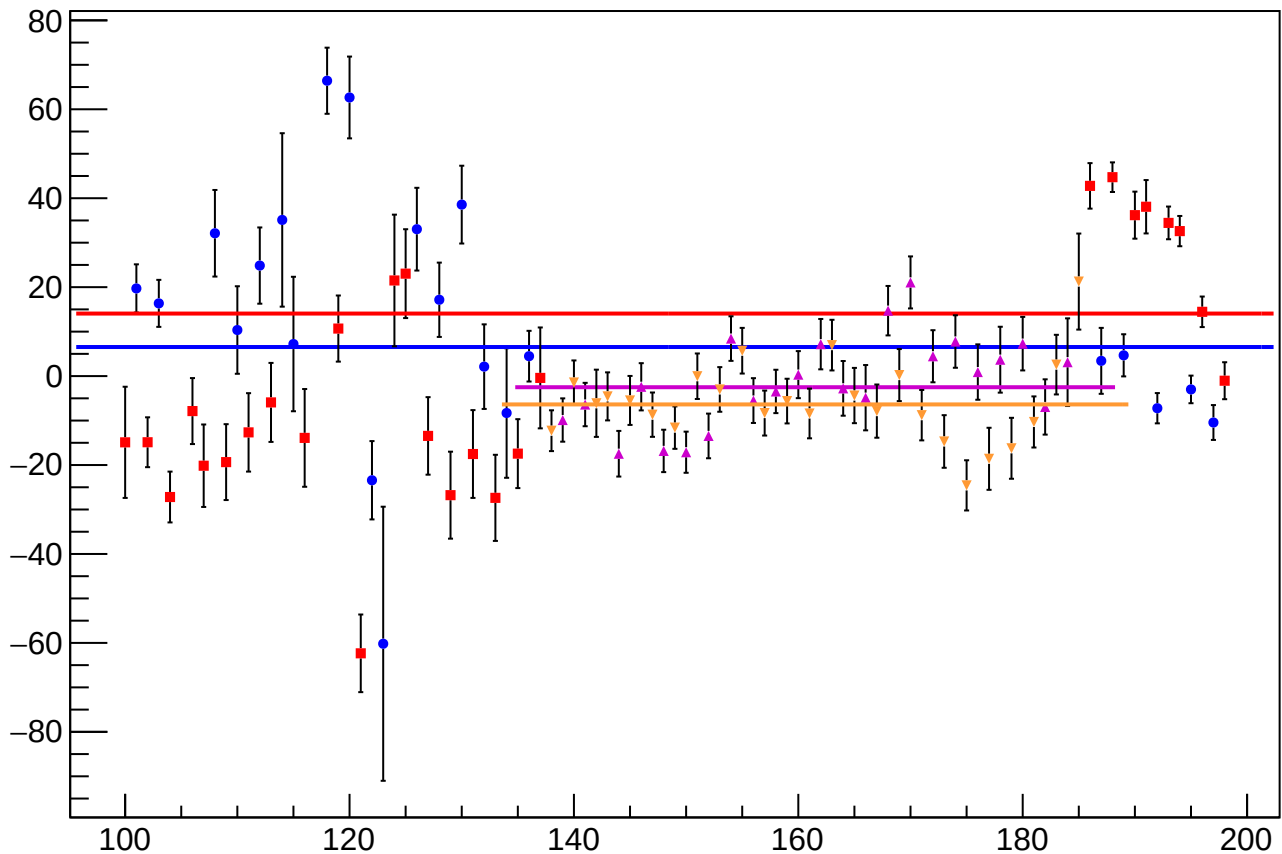
- sign 16.094 ± 14.811 χ^2/NDF : 77.2/49

diff_bpm0r05X_rms vs Slug



Right In: 71319.257 $\pm$ 16.342	χ^2 /NDF: 498137.4/21	+ sign 81667.120 $\pm$ 11.051	χ^2 /NDF: 1698496.4/46
Left Out: 90384.853 $\pm$ 15.000	χ^2 /NDF: 461648.2/24	All: 80233.987 $\pm$ 7.601	χ^2 /NDF: 3769247.6/9
Right Out: 69295.802 $\pm$ 14.247	χ^2 /NDF: 579040.0/26	- sign 78946.845 $\pm$ 10.473	χ^2 /NDF: 2038827.0/49
Left In: 90293.591 $\pm$ 15.448	χ^2 /NDF: 461337.5/22		

diff_bpm0r05Y_mean vs Slug



Right In: 6.538 ± 1.338 χ^2/NDF : 210.8/21

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

Right Out: 14.063 ± 1.150 χ^2/NDF : 517.9/26

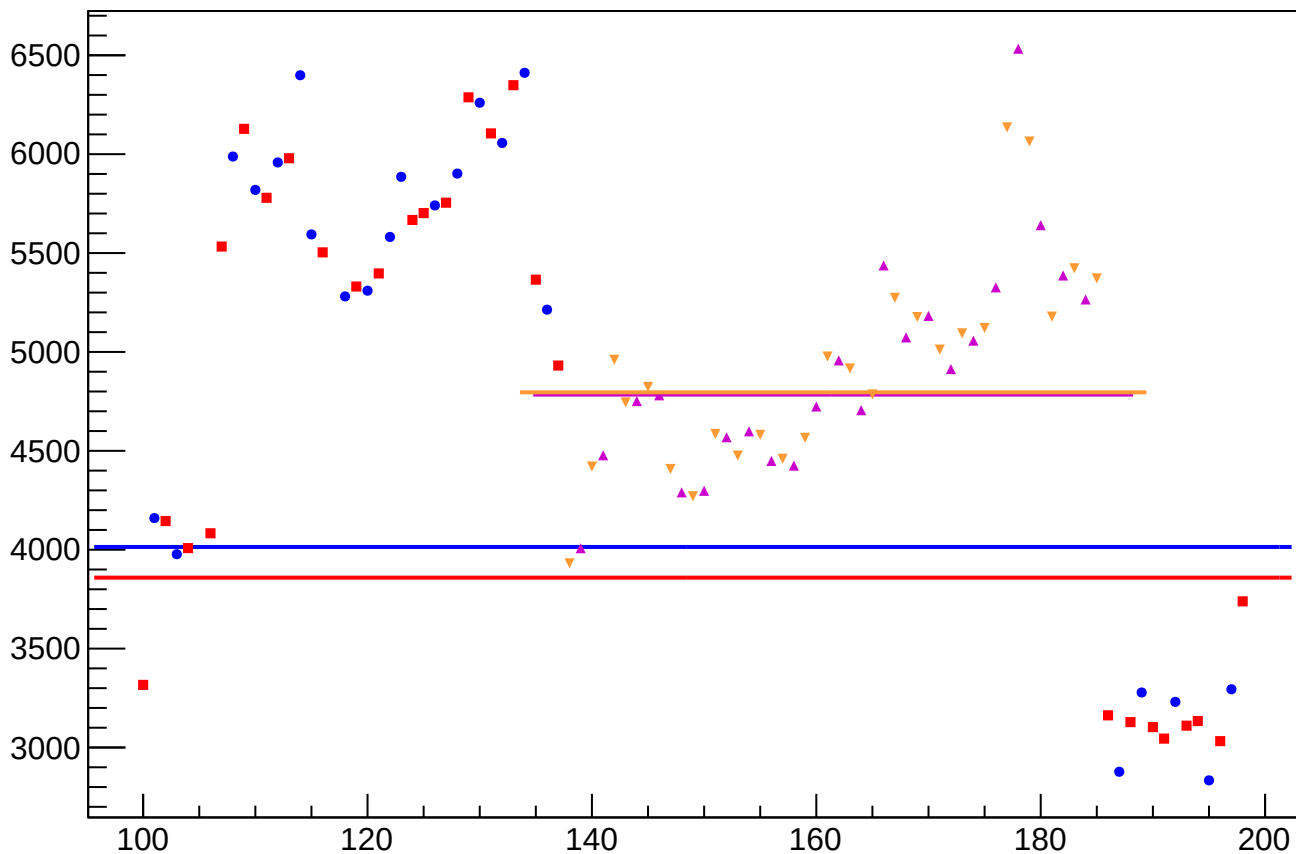
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -1.031 ± 0.861 χ^2/NDF : 310.9/46

All: 2.580 ± 0.592 χ^2/NDF : 1043.8/96

- sign 5.821 ± 0.815 χ^2/NDF : 699.5/49

diff_bpm0r05Y_rms vs Slug



Right In: 4013.999 $\pm$ 0.946 χ^2 /NDF: 1569637.8/21

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

Right Out: 3858.878 $\pm$ 0.813 χ^2 /NDF: 1760057.5/26

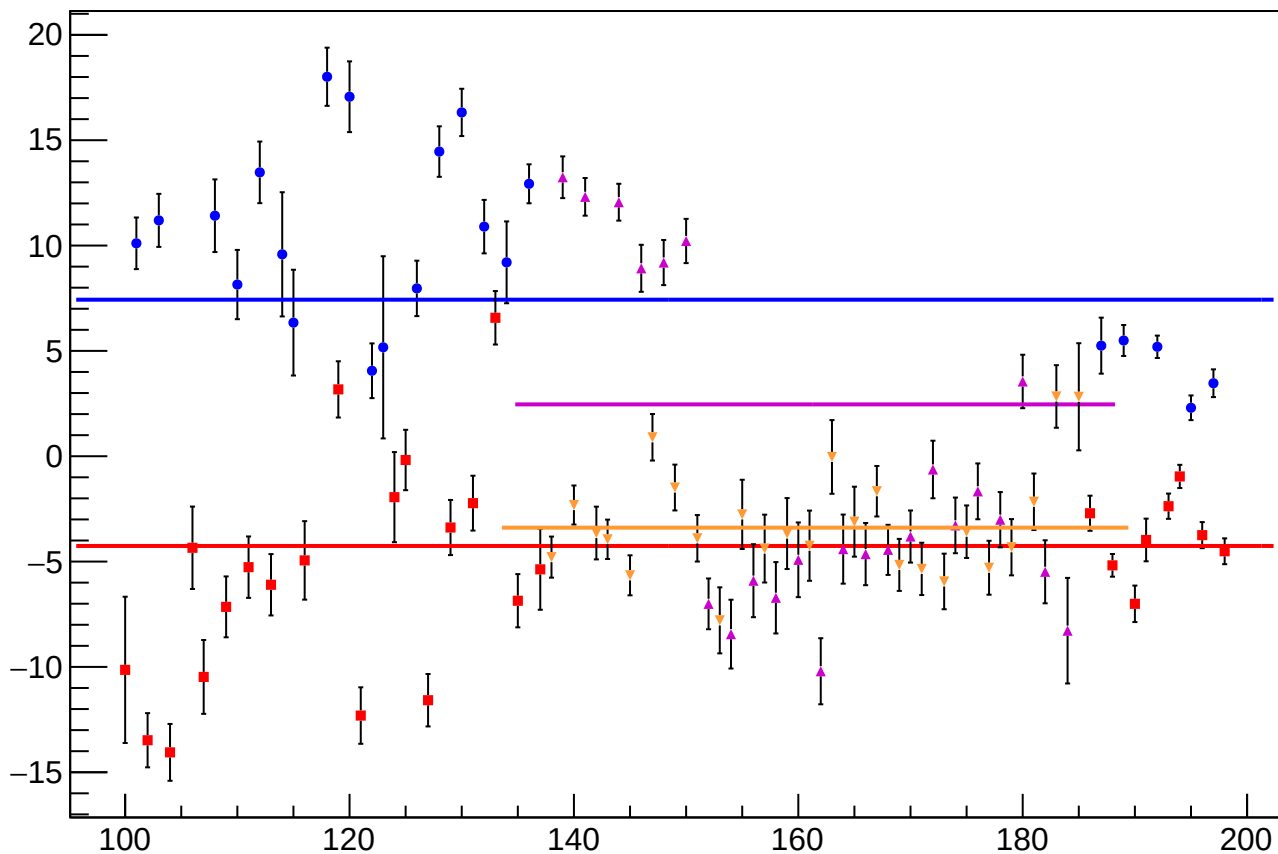
Left In: 4784.434 $\pm$ 0.817 χ^2 /NDF: 357507.2/22

+ sign 4472.452 $\pm$ 0.609 χ^2 /NDF: 2331251.2/46

All: 4391.801 $\pm$ 0.419 χ^2 /NDF: 5126404.0/96

- sign 4319.405 $\pm$ 0.577 χ^2 /NDF: 2761821.0/49

diff_bpm2i01X_mean vs Slug



Right In: 7.431 ± 0.226 χ^2/NDF : 417.0/21

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

Right Out: -4.259 ± 0.192 χ^2/NDF : 380.1/26

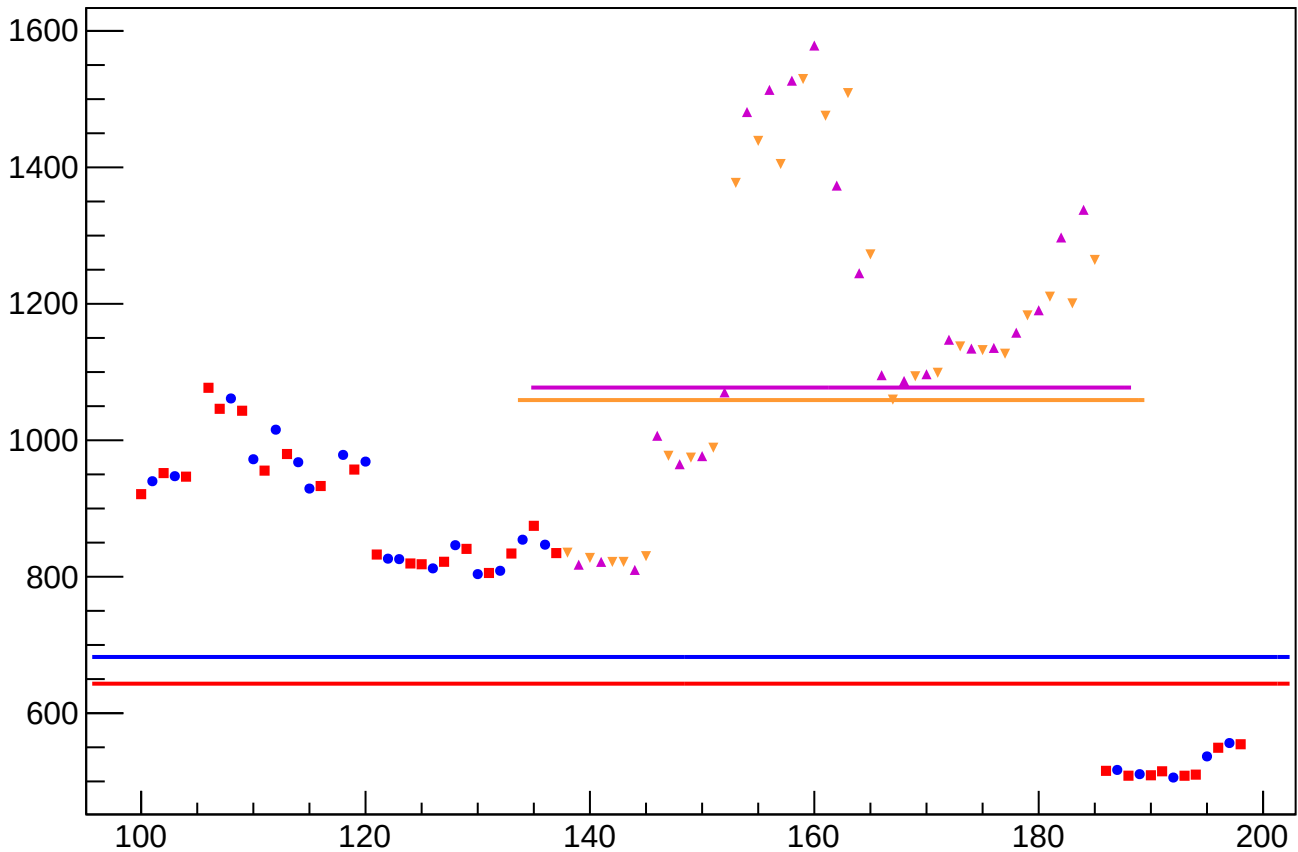
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

+ sign 2.612 ± 0.168 χ^2/NDF : 1515.3/46

All: 0.148 ± 0.114 χ^2/NDF : 3643.1/96

- sign -1.944 ± 0.155 χ^2/NDF : 1731.7/49

diff_bpm2i01X_rms vs Slug



Right In: 682.401 $\pm$ 0.160 χ^2 /NDF: 1392688.8/21

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

Right Out: 643.263 $\pm$ 0.135 χ^2 /NDF: 1836223.8/26

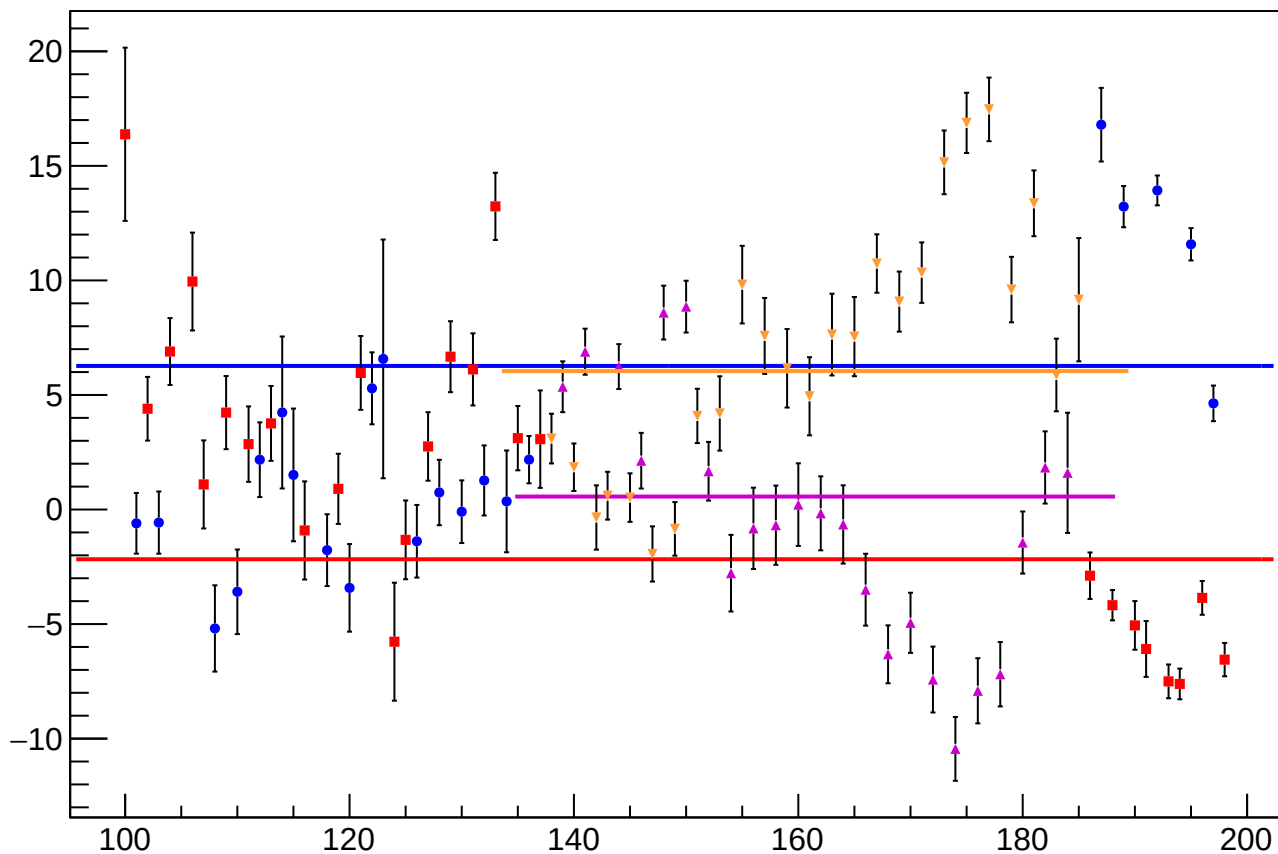
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF: 1280349.9/22

+ sign 850.085 $\pm$ 0.119 χ^2 /NDF: 5267705.8/46

All: 819.088 $\pm$ 0.081 χ^2 /NDF: 12043630.2/96

- sign 792.756 $\pm$ 0.110 χ^2 /NDF: 6650503.4/49

diff_bpm2i01Y_mean vs Slug



Right In: 6.268 ± 0.267 χ^2/NDF : 574.9/21

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

Right Out: -2.172 ± 0.228 χ^2/NDF : 579.6/26

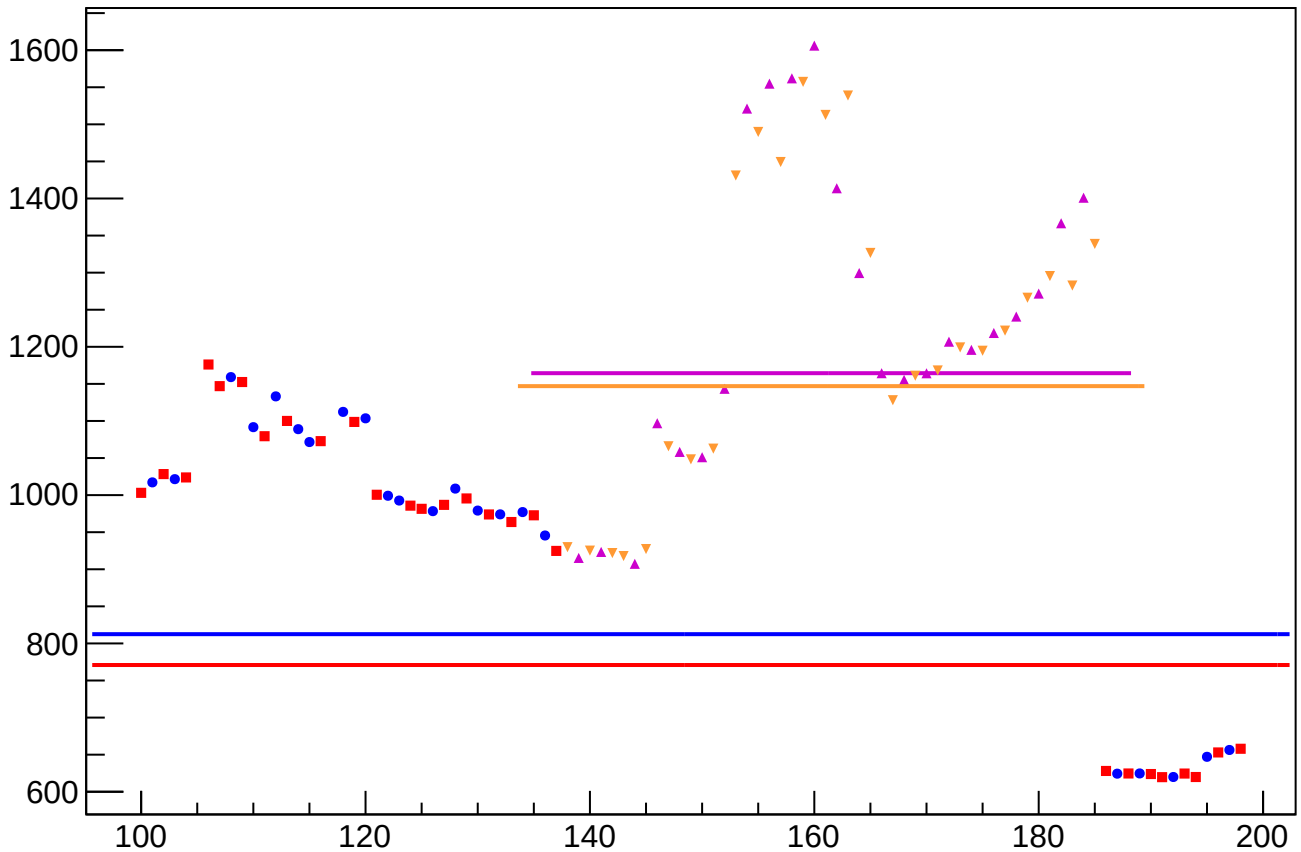
Left In: 0.566 ± 0.284 χ^2/NDF : 417.0/22

+ sign 6.158 ± 0.190 χ^2/NDF : 1006.1/46

All: 2.278 ± 0.130 χ^2/NDF : 2835.8/96

- sign -1.101 ± 0.178 χ^2/NDF : 1053.1/49

diff_bpm2i01Y_rms vs Slug



Right In: 812.490 $\pm$ 0.189 χ^2 /NDF: 1101629.3/21

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

Right Out: 770.899 $\pm$ 0.161 χ^2 /NDF: 1456146.6/26

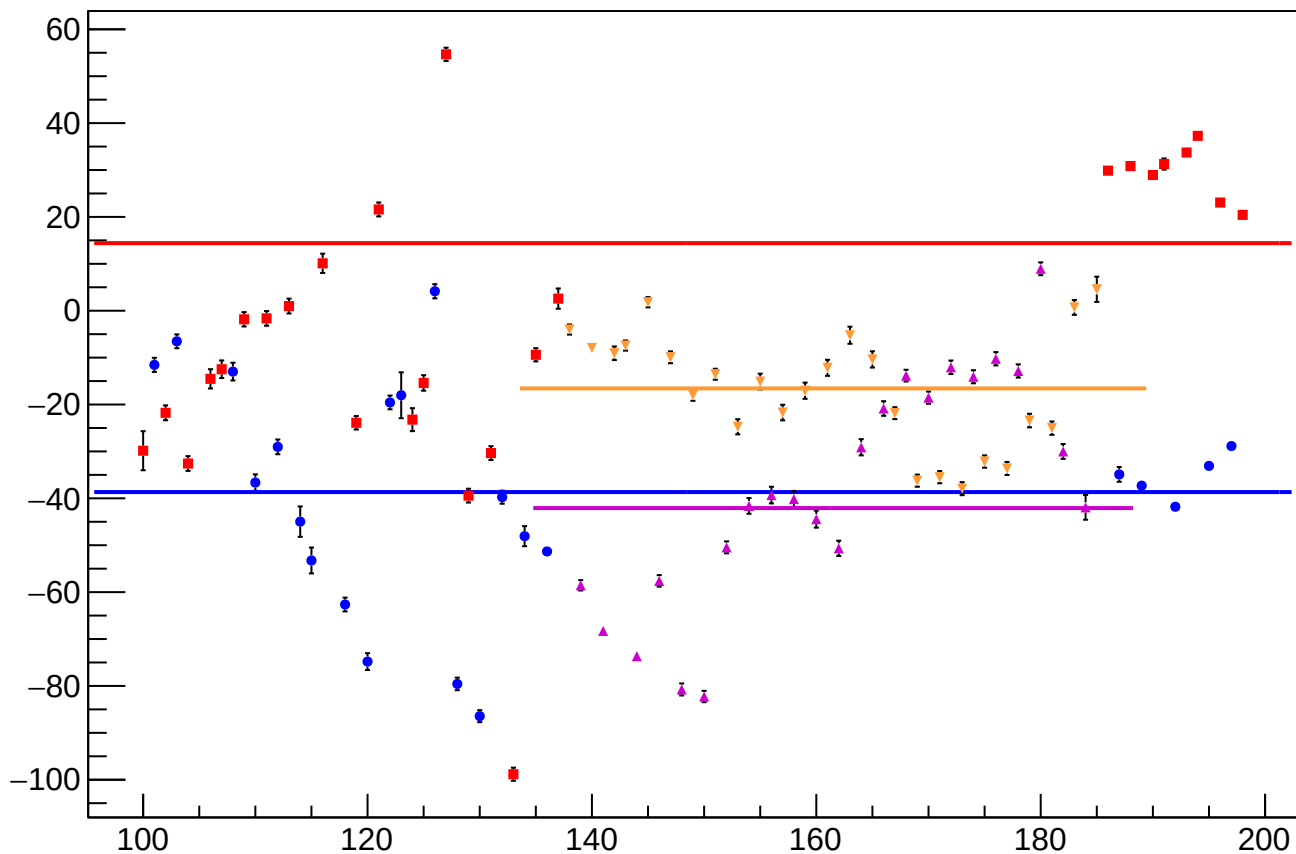
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF: 944112.0/22

+ sign 976.834 $\pm$ 0.135 χ^2 /NDF: 3689332.8/46

All: 949.049 $\pm$ 0.092 χ^2 /NDF: 8505119.2/96

- sign 924.853 $\pm$ 0.126 χ^2 /NDF: 4736133.6/49

diff_bpm2i02X_mean vs Slug



Right In: -38.666 ± 0.262 $\chi^2/\text{NDF}: 5439.8/21$

Left Out: -16.567 ± 0.275 $\chi^2/\text{NDF}: 1931.2/24$

Right Out: 14.411 ± 0.223 $\chi^2/\text{NDF}: 16874.5/26$

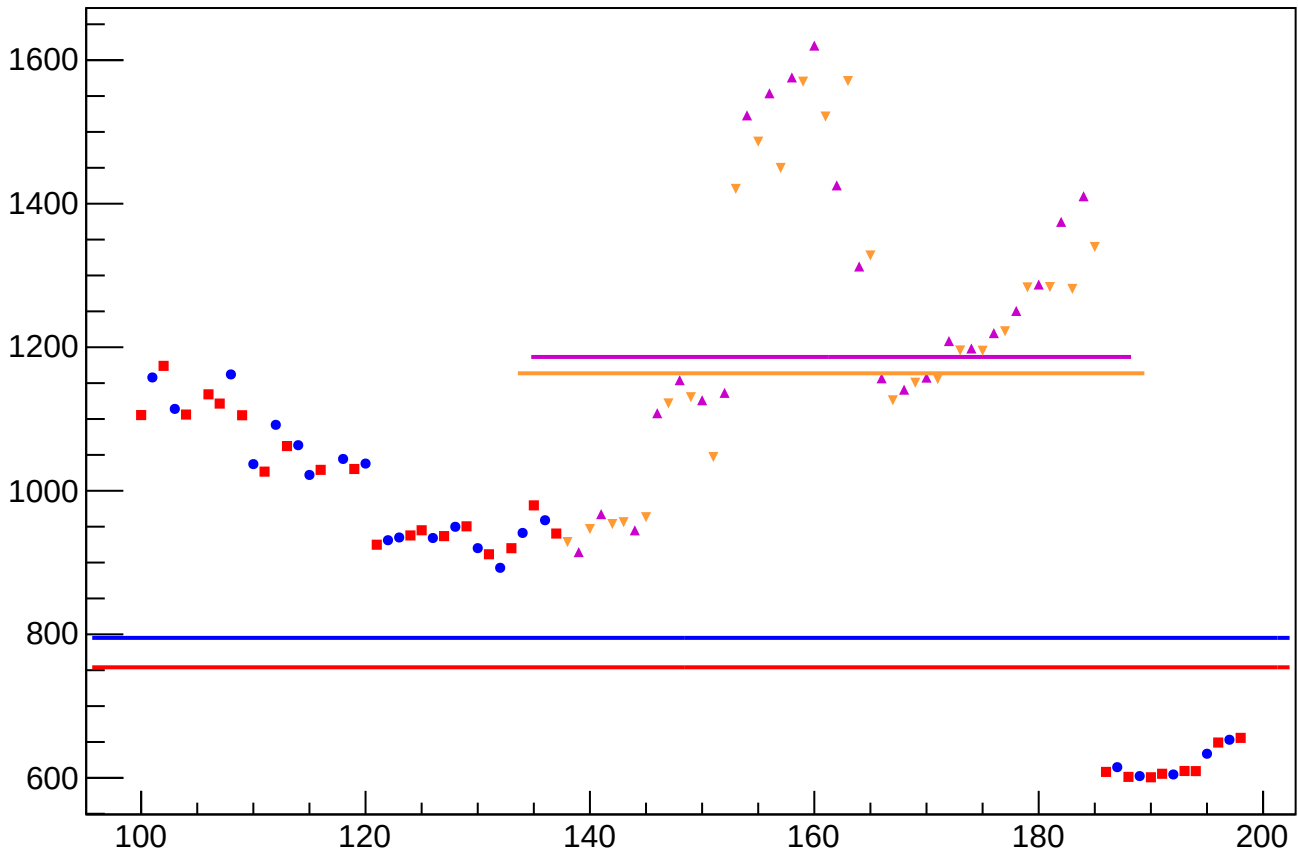
Left In: -42.077 ± 0.289 $\chi^2/\text{NDF}: 8332.3/22$

+ sign -28.180 ± 0.190 $\chi^2/\text{NDF}: 10758.2/46$

All: -16.648 ± 0.129 $\chi^2/\text{NDF}: 66815.3/96$

- sign -6.651 ± 0.177 $\chi^2/\text{NDF}: 49150.7/49$

diff_bpm2i02X_rms vs Slug



Right In: 795.063 $\pm$ 0.185 χ^2 /NDF: 1144435.9/21

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

Right Out: 754.063 $\pm$ 0.158 χ^2 /NDF: 1489857.9/26

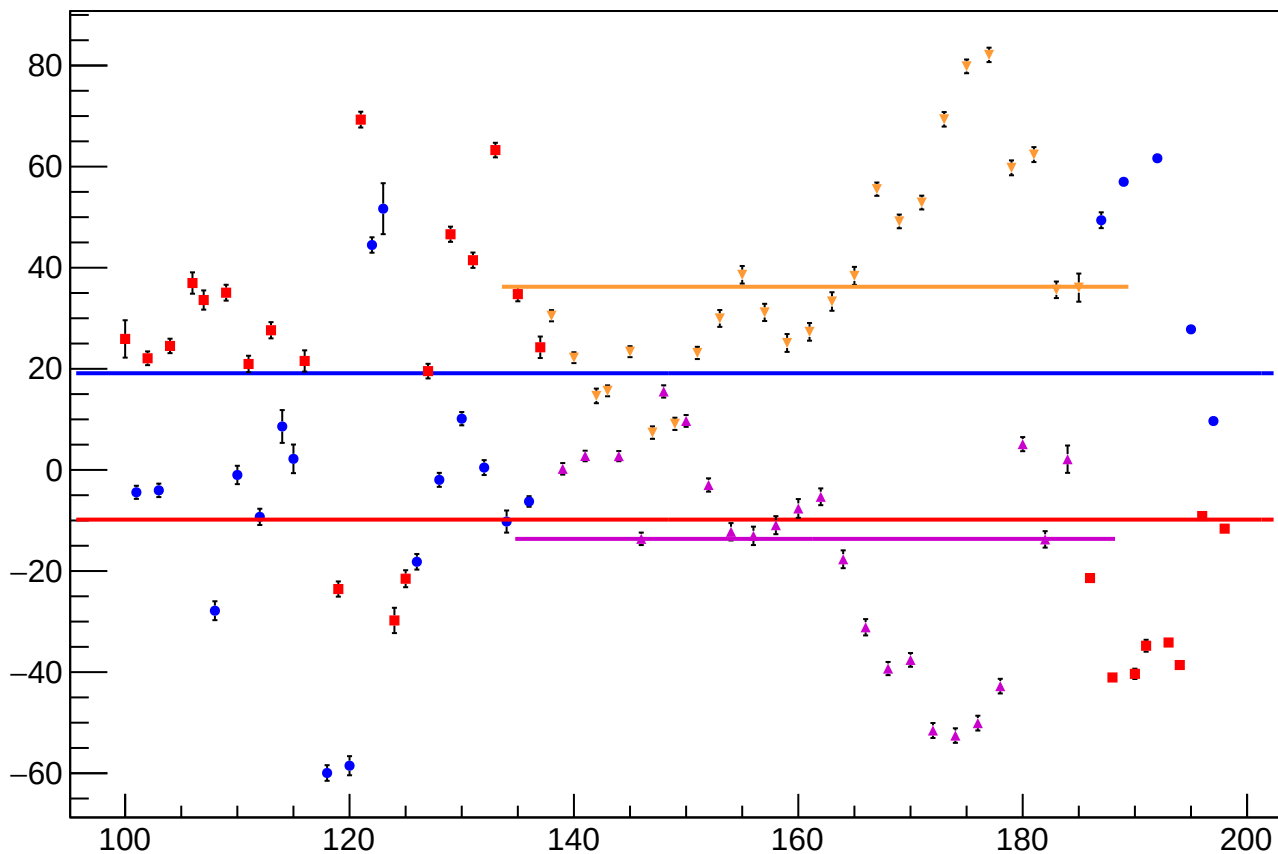
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF:833420.3/22

+ sign 969.970 $\pm$ 0.134 χ^2 /NDF: 3965496.7/46

All: 940.681 $\pm$ 0.091 χ^2 /NDF: 9184055.0/96

- sign 915.294 $\pm$ 0.125 χ^2 /NDF: 5129468.9/49

diff_bpm2i02Y_mean vs Slug



Right In: 19.126 ± 0.260 $\chi^2/\text{NDF}: 15351.5/21$

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

Right Out: -9.829 ± 0.221 $\chi^2/\text{NDF}: 20756.3/26$

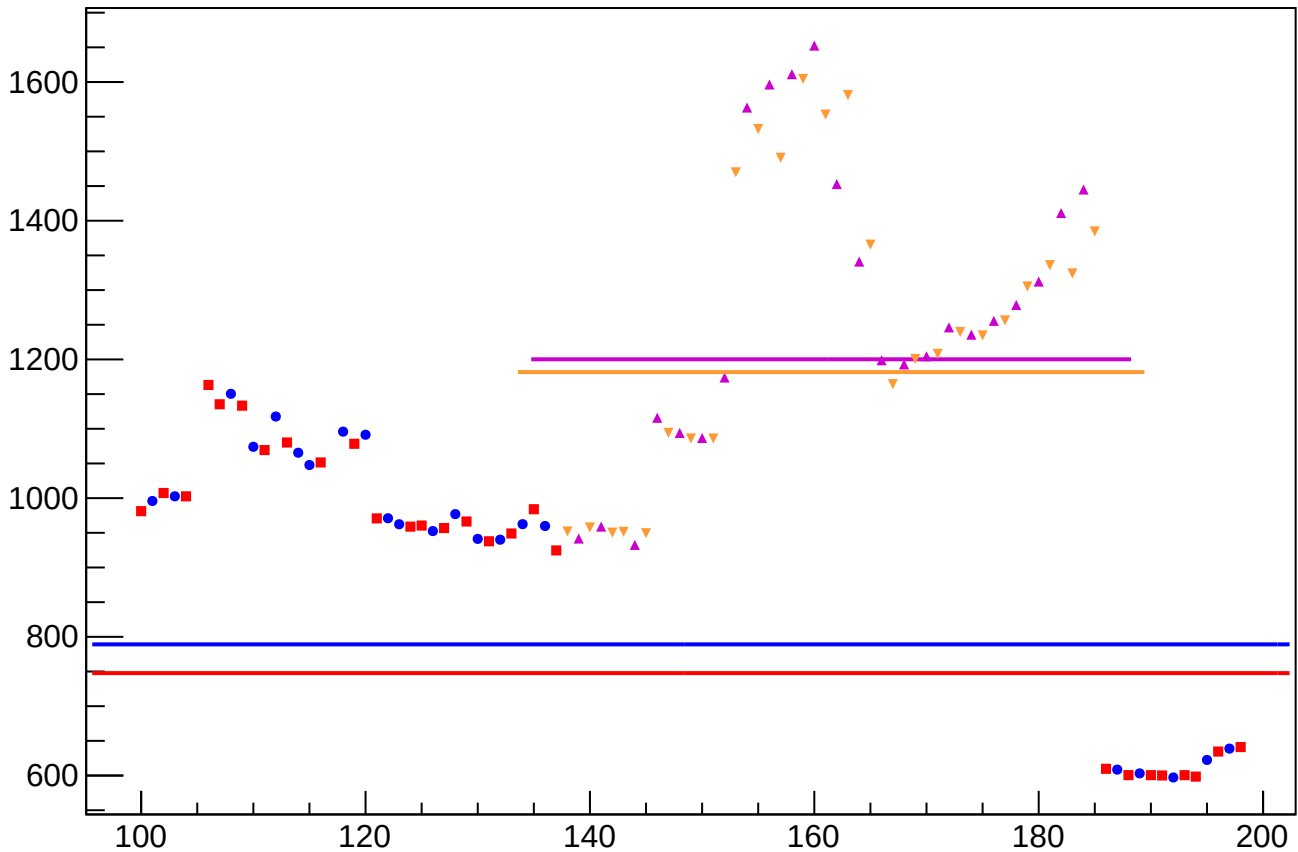
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 27.046 ± 0.190 $\chi^2/\text{NDF}: 23152.6/46$

All: 6.470 ± 0.129 $\chi^2/\text{NDF}: 70904.9/96$

- sign -11.215 ± 0.177 $\chi^2/\text{NDF}: 26042.1/49$

diff_bpm2i02Y_rms vs Slug



Right In: 789.132 $\pm$ 0.184 χ^2 /NDF: 1179081.4/21

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

Right Out: 747.716 $\pm$ 0.156 χ^2 /NDF: 1545200.3/26

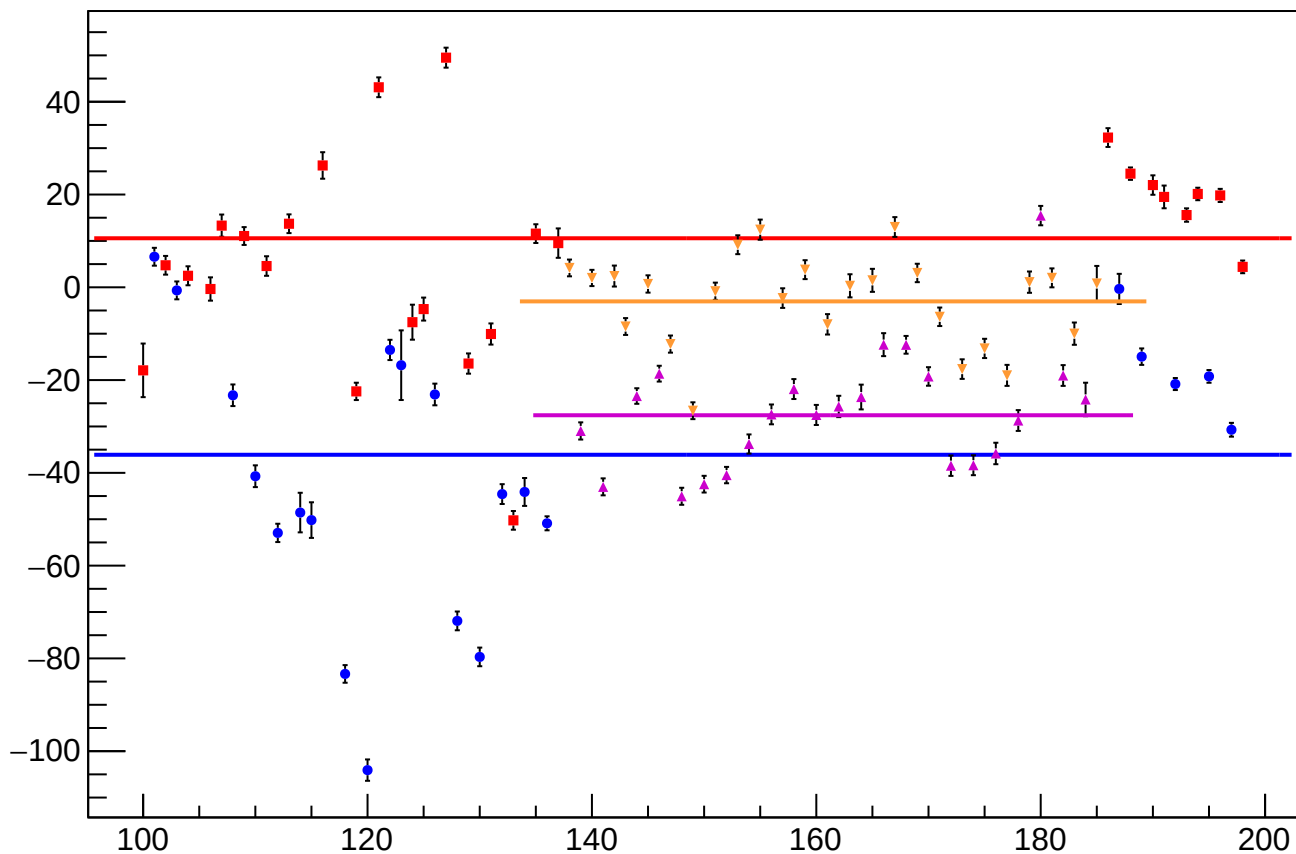
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF:938224.7/22

+ sign 970.877 $\pm$ 0.135 χ^2 /NDF: 4336292.4/46

All: 939.331 $\pm$ 0.092 χ^2 /NDF: 9961794.2/96

- sign 912.216 $\pm$ 0.125 χ^2 /NDF: 5523434.9/49

diff_bpm0i02X_mean vs Slug



Right In: -36.101 ± 0.430 χ^2/NDF : 4063.3/21

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

Right Out: 10.572 ± 0.380 χ^2/NDF : 2580.4/26

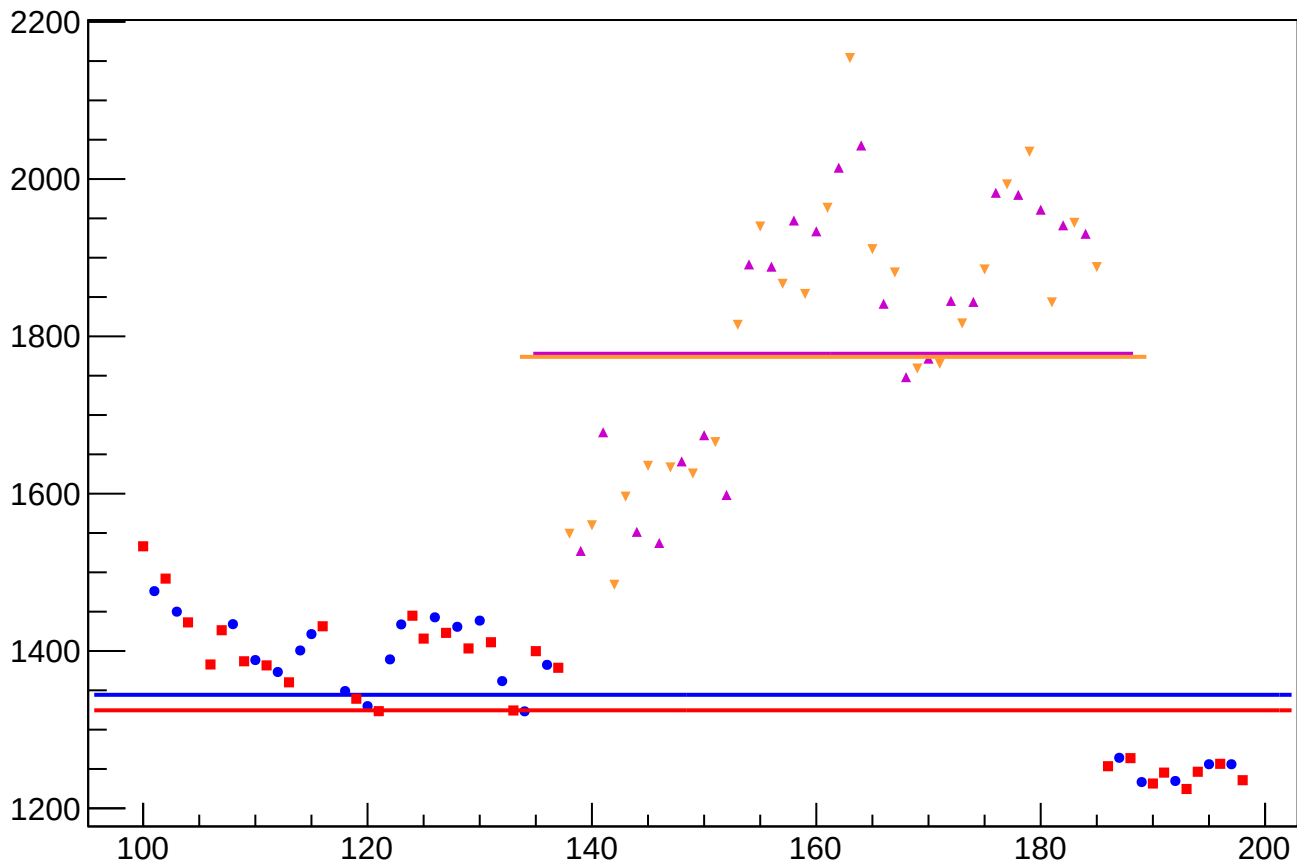
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -18.992 ± 0.299 χ^2/NDF : 7680.8/46

All: -12.290 ± 0.206 χ^2/NDF : 16613.9/96

- sign -6.205 ± 0.284 χ^2/NDF : 7971.9/49

diff_bpm0i02X_rms vs Slug



Right In: 1344.297 ± 0.304 χ^2/NDF : 73662.8/21

Left Out: 1773.965 ± 0.294 χ^2/NDF : 313031.1/24

Right Out: 1324.563 ± 0.269 χ^2/NDF : 93960.1/26

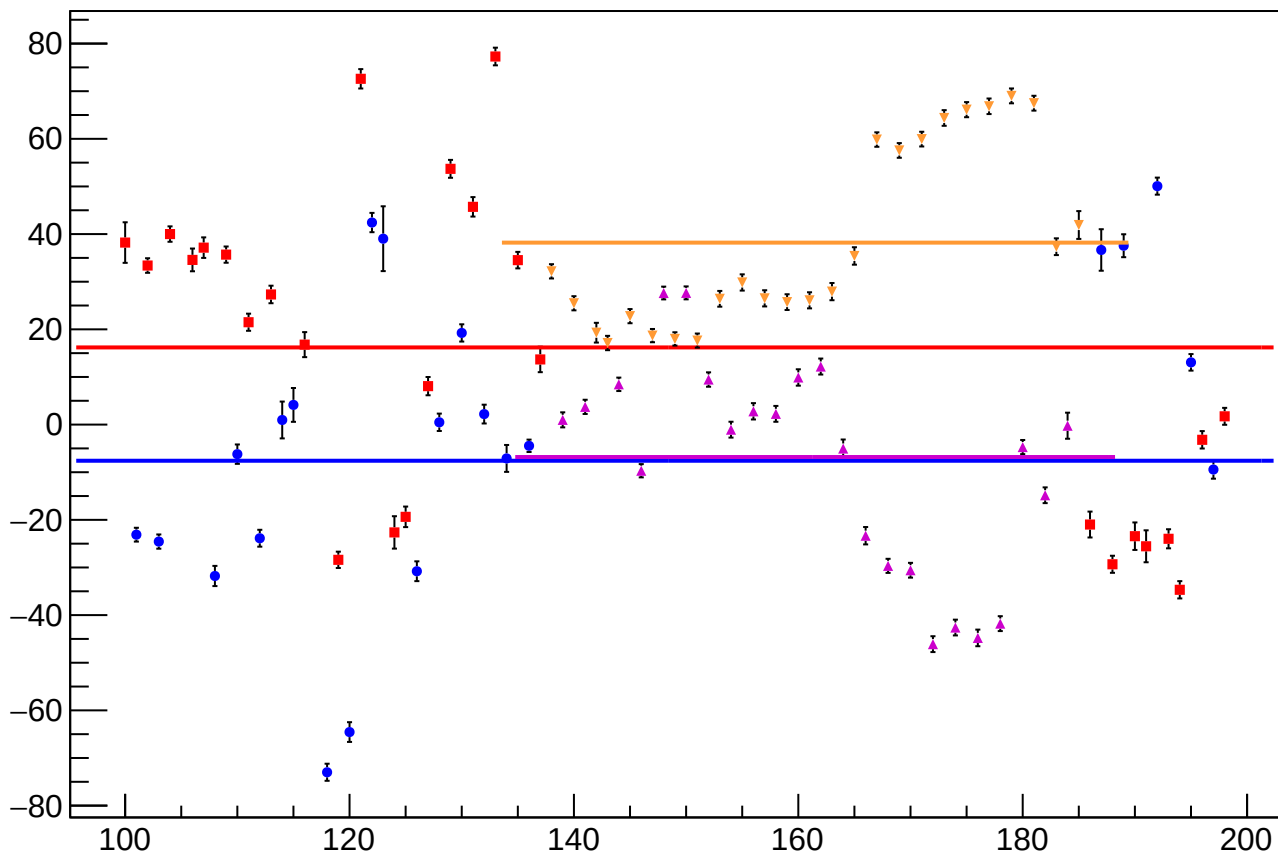
Left In: 1777.884 ± 0.303 χ^2/NDF : 299514.0/22

+ sign 1566.628 ± 0.211 χ^2/NDF : 1420804.1/46

All: 1544.228 ± 0.146 χ^2/NDF : 3086840.8/96

- sign 1523.894 ± 0.201 χ^2/NDF : 1644562.5/49

diff_bpm0i02Y_mean vs Slug



Right In: -7.590 ± 0.422 χ^2/NDF : 5245.3/21

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

Right Out: 16.202 ± 0.389 χ^2/NDF : 6913.1/26

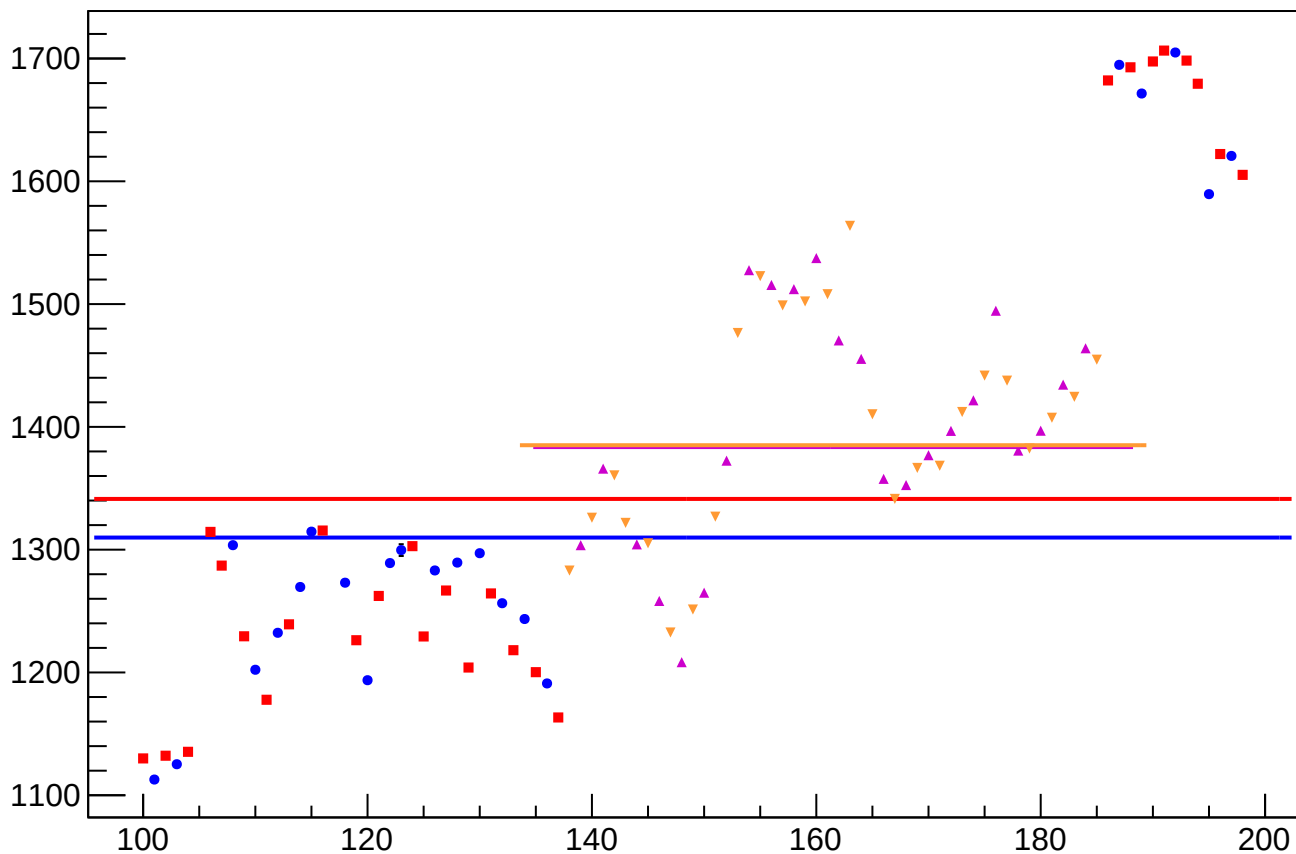
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 21.270 ± 0.257 χ^2/NDF : 16176.6/46

All: 11.962 ± 0.180 χ^2/NDF : 32195.5/96

- sign 2.927 ± 0.253 χ^2/NDF : 13428.0/49

diff_bpm0i02Y_rms vs Slug



Right In: 1309.863 $\pm$ 0.298 χ^2 /NDF: 366790.7/21

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

Right Out: 1341.324 $\pm$ 0.275 χ^2 /NDF: 559706.8/26

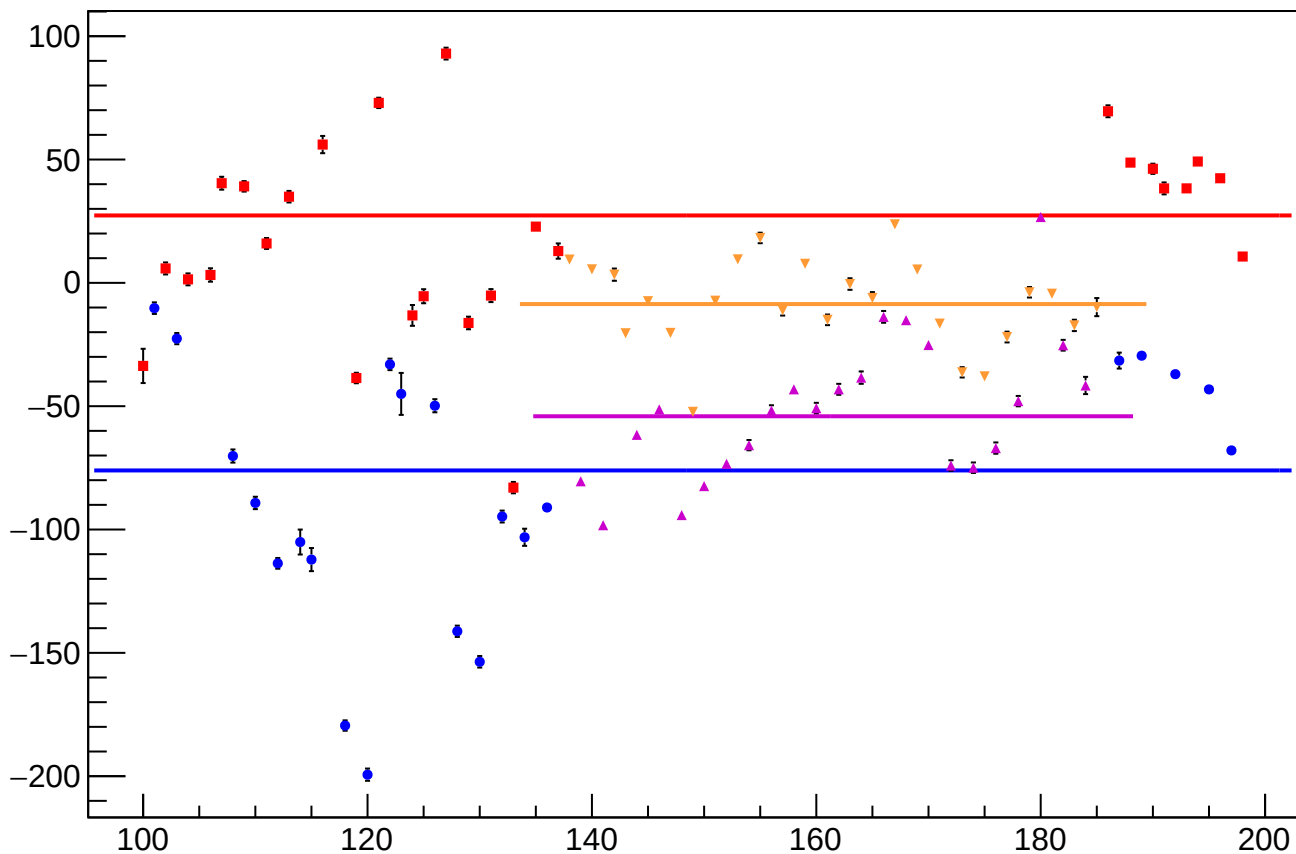
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF:154696.0/22

+ sign 1357.253 $\pm$ 0.182 χ^2 /NDF: 552789.9/46

All: 1361.534 $\pm$ 0.127 χ^2 /NDF: 1281901.5/96

- sign 1365.688 $\pm$ 0.179 χ^2 /NDF: 728015.9/49

diff_bpm0i02aX_mean vs Slug



Right In: -76.050 ± 0.469 $\chi^2/\text{NDF}: 11488.3/21$

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

Right Out: 27.330 ± 0.412 $\chi^2/\text{NDF}: 6830.0/26$

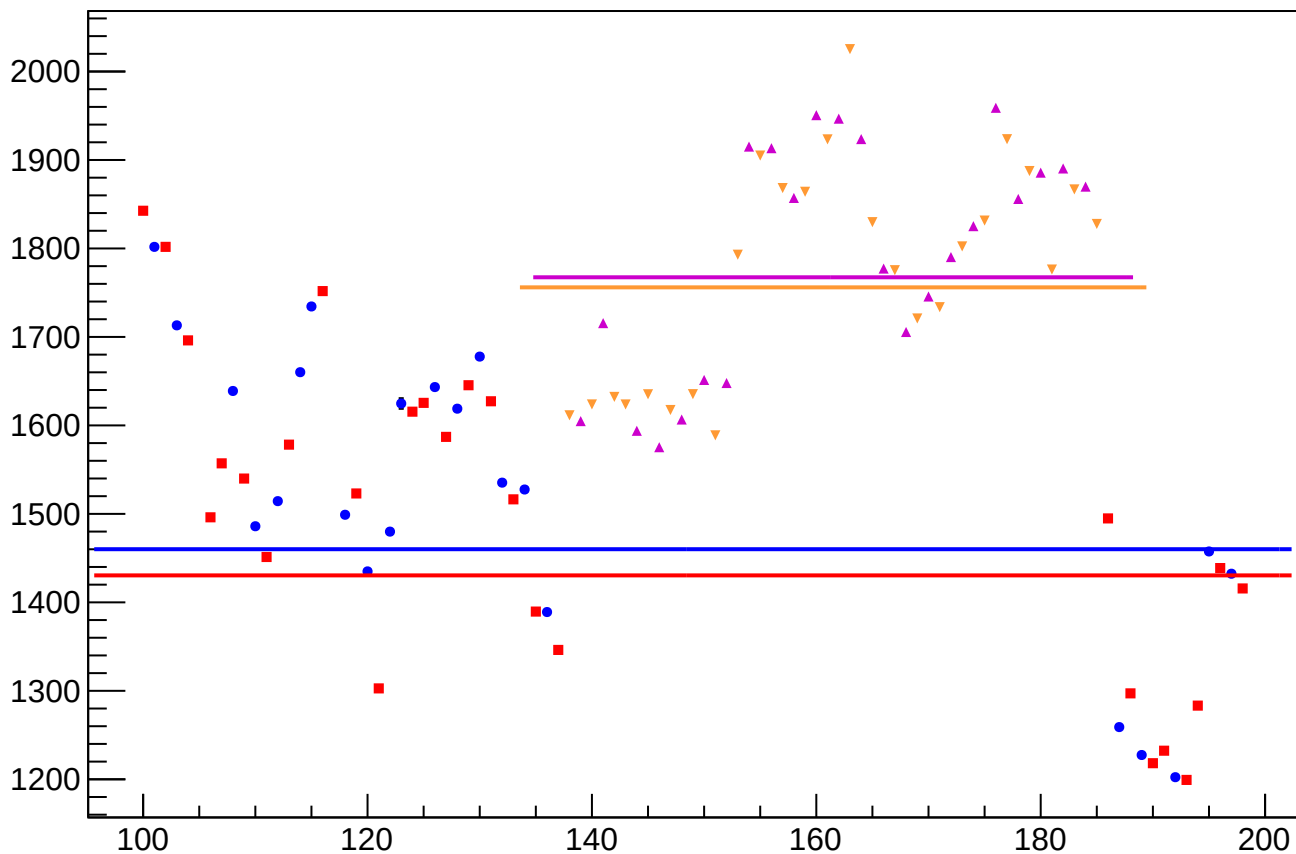
Left In: -54.089 ± 0.426 $\chi^2/\text{NDF}: 4721.6/22$

+ sign -37.825 ± 0.309 $\chi^2/\text{NDF}: 25129.5/46$

All: -24.426 ± 0.214 $\chi^2/\text{NDF}: 59164.9/96$

- sign -12.100 ± 0.296 $\chi^2/\text{NDF}: 30421.6/49$

diff_bpm0i02aX_rms vs Slug



Right In: 1460.073 $\pm$ 0.332 χ^2 /NDF: 258951.4/21

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

Right Out: 1430.478 $\pm$ 0.292 χ^2 /NDF: 307717.2/26

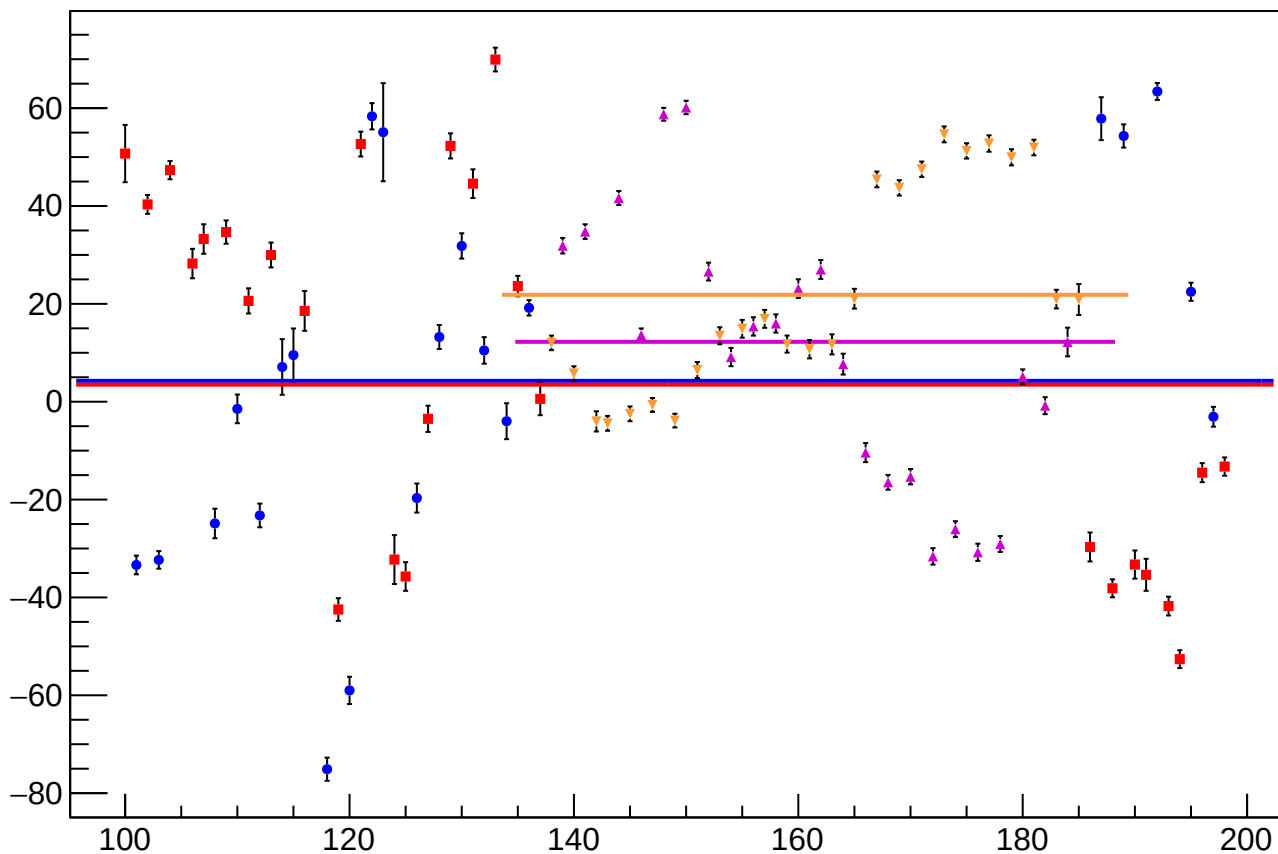
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF: 187958.2/22

+ sign 1627.813 $\pm$ 0.218 χ^2 /NDF: 885727.6/46

All: 1610.020 $\pm$ 0.151 χ^2 /NDF: 2040451.1/96

- sign 1593.652 $\pm$ 0.209 χ^2 /NDF: 1141977.9/49

diff_bpm0i02aY_mean vs Slug



Right In: 4.270 ± 0.524 $\chi^2/\text{NDF}: 5270.0/21$

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

Right Out: 3.492 ± 0.472 $\chi^2/\text{NDF}: 6506.0/26$

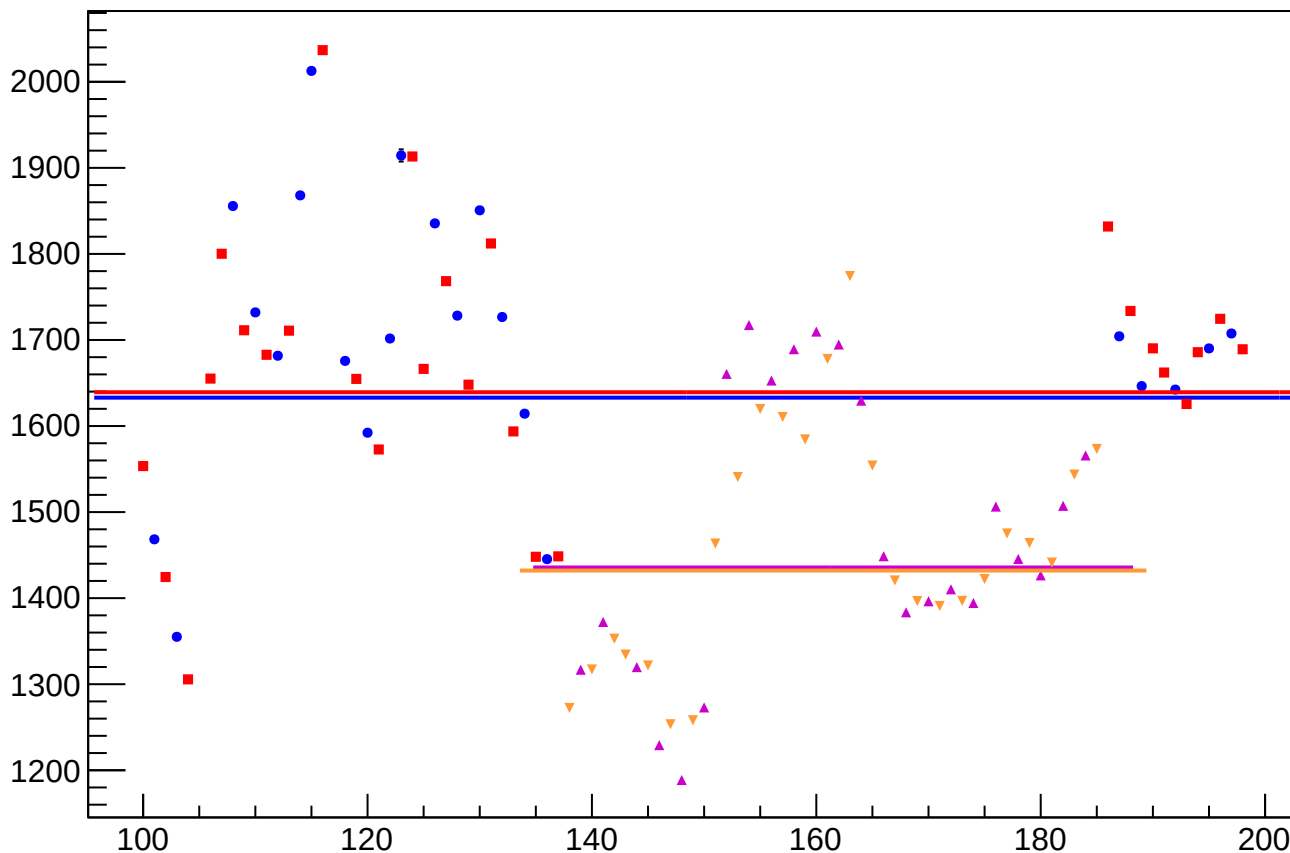
Left In: 12.246 ± 0.347 $\chi^2/\text{NDF}: 6781.6/22$

+ sign 16.747 ± 0.282 $\chi^2/\text{NDF}: 10179.6/46$

All: 12.921 ± 0.199 $\chi^2/\text{NDF}: 24053.8/96$

- sign 9.173 ± 0.280 $\chi^2/\text{NDF}: 13510.9/49$

diff_bpm0i02aY_rms vs Slug



Right In: 1632.990 ± 0.371 $\chi^2/\text{NDF}: 155995.8/21$

Left Out: 1432.060 ± 0.237 $\chi^2/\text{NDF}: 297360.3/24$

Right Out: 1639.257 ± 0.334 $\chi^2/\text{NDF}: 182789.5/26$

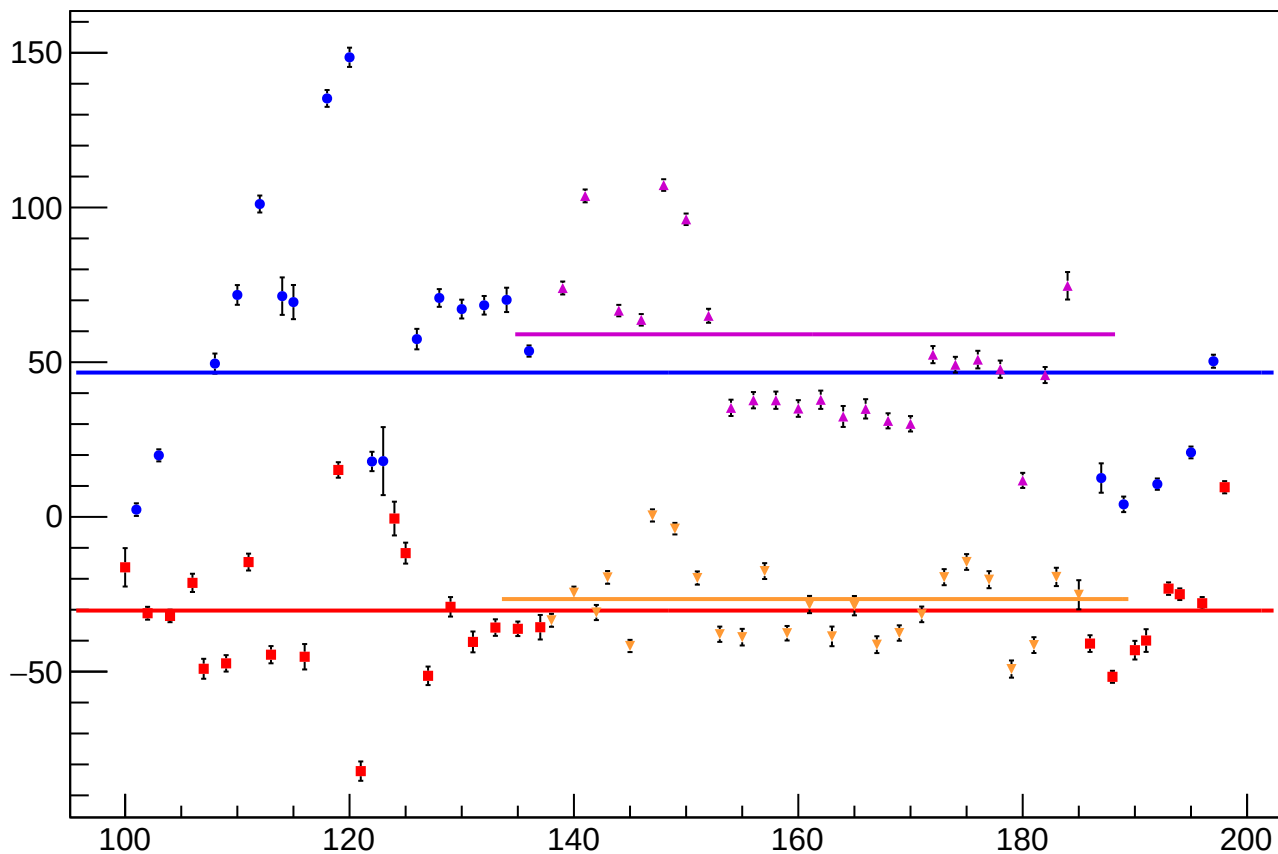
Left In: 1435.645 ± 0.245 $\chi^2/\text{NDF}: 420835.0/22$

+ sign 1490.431 ± 0.200 $\chi^2/\text{NDF}: 661976.6/46$

All: 1498.862 ± 0.140 $\chi^2/\text{NDF}: 1510793.3/96$

- sign 1507.123 ± 0.198 $\chi^2/\text{NDF}: 845288.5/49$

diff_bpm0i05X_mean vs Slug



Right In: 46.652 ± 0.574 $\chi^2/\text{NDF}: 4519.7/21$

Left Out: -26.554 ± 0.488 $\chi^2/\text{NDF}: 717.5/24$

Right Out: -30.268 ± 0.509 $\chi^2/\text{NDF}: 1491.0/26$

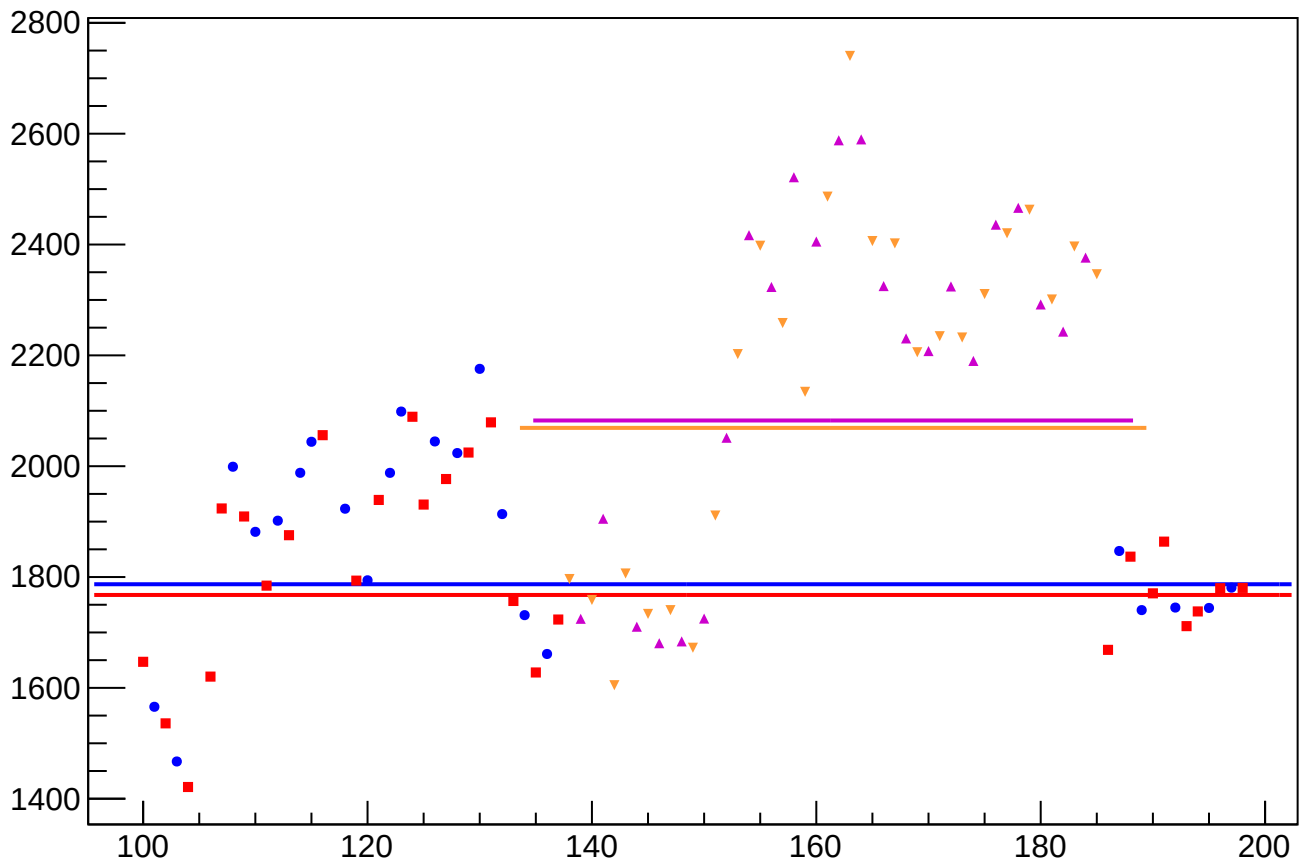
Left In: 59.014 ± 0.506 $\chi^2/\text{NDF}: 2783.8/22$

+ sign 4.168 ± 0.372 $\chi^2/\text{NDF}: 14686.6/46$

All: 9.550 ± 0.258 $\chi^2/\text{NDF}: 34839.4/96$

- sign 14.568 ± 0.359 $\chi^2/\text{NDF}: 19747.6/49$

diff_bpm0i05X_rms vs Slug



Right In: 1786.998 $\pm$ 0.406 χ^2 /NDF: 187550.0/21

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

Right Out: 1767.668 $\pm$ 0.360 χ^2 /NDF: 186636.1/26

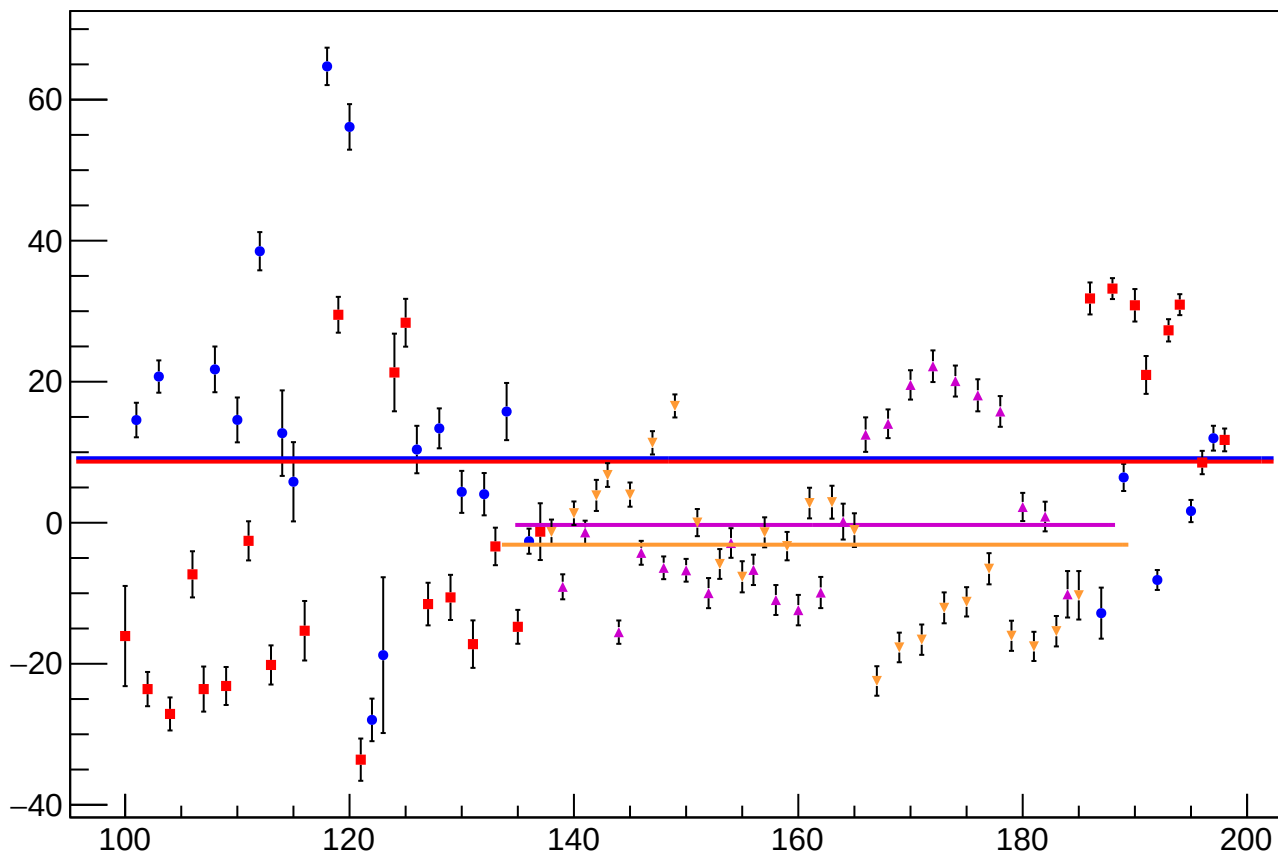
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1950.737 $\pm$ 0.263 χ^2 /NDF: 1267323.4/46

All: 1937.818 $\pm$ 0.183 χ^2 /NDF: 2628722.1/96

- sign 1925.771 $\pm$ 0.254 χ^2 /NDF: 1356728.3/49

diff_bpm0i05Y_mean vs Slug



Right In: 9.146 ± 0.535 $\chi^2/\text{NDF}: 1242.1/21$

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

Right Out: 8.671 ± 0.464 $\chi^2/\text{NDF}: 2267.4/26$

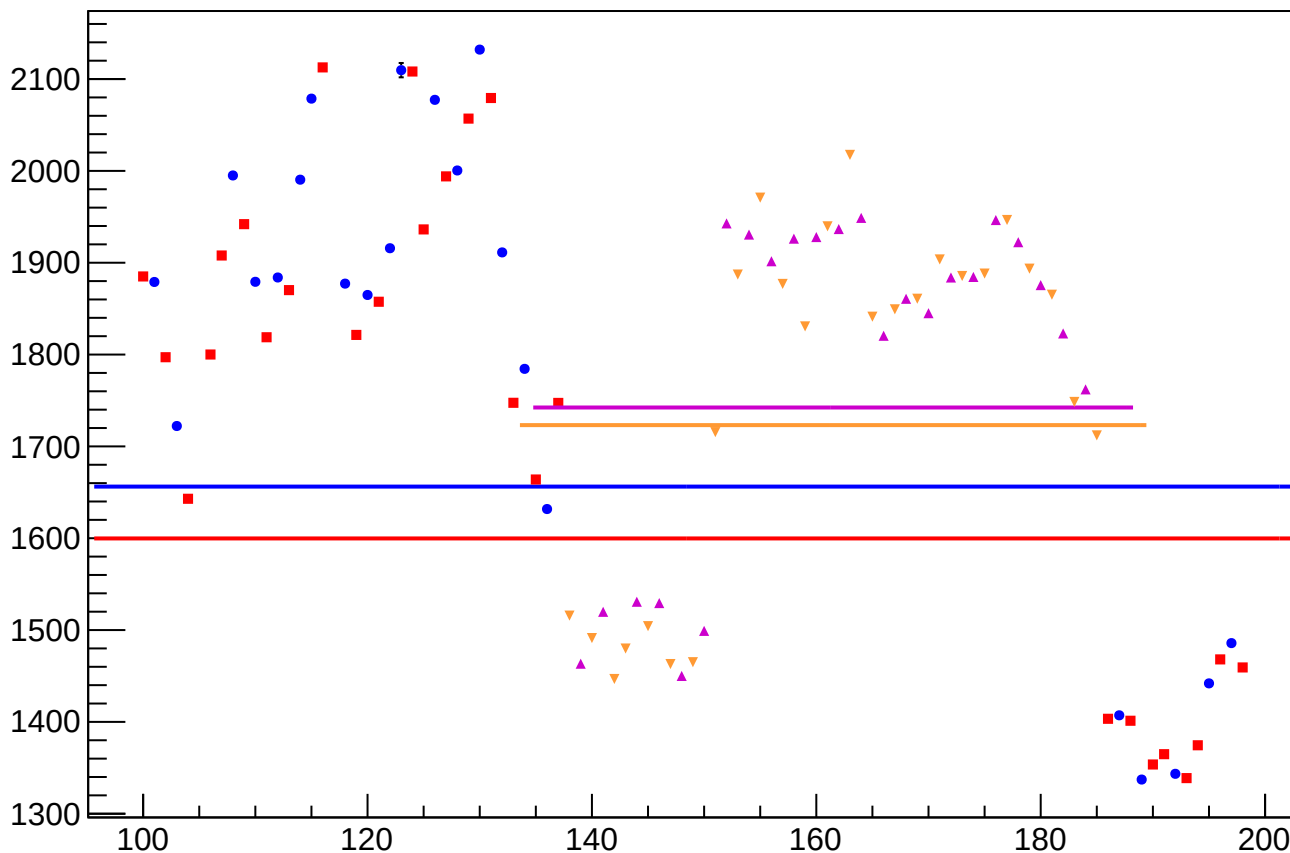
Left In: -0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

+ sign 1.338 ± 0.323 $\chi^2/\text{NDF}: 2219.6/46$

All: 2.584 ± 0.224 $\chi^2/\text{NDF}: 5458.0/96$

- sign 3.747 ± 0.312 $\chi^2/\text{NDF}: 3209.6/49$

diff_bpm0i05Y_rms vs Slug



Right In: 1656.227 $\pm$ 0.379 χ^2 /NDF: 468767.7/21

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

Right Out: 1599.765 $\pm$ 0.328 χ^2 /NDF: 545963.5/26

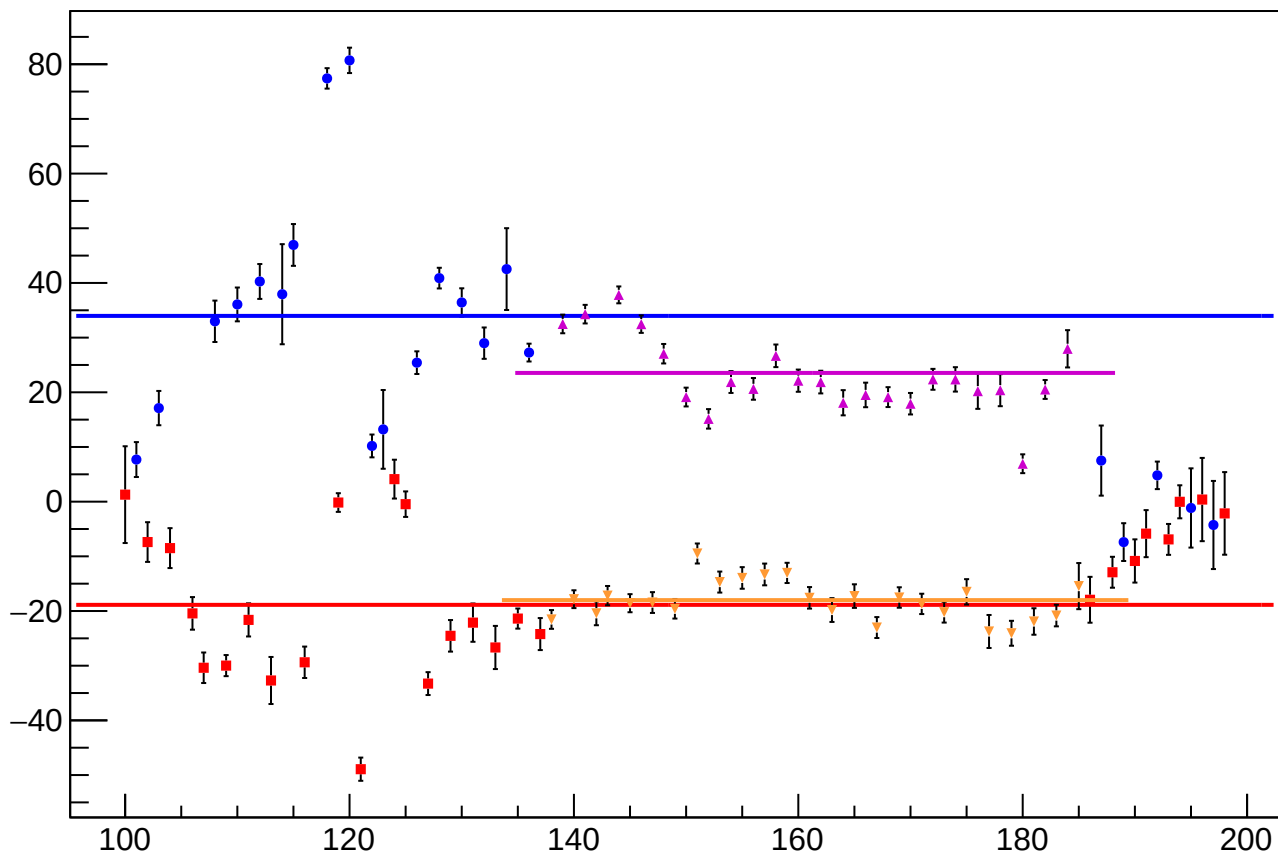
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

+ sign 1698.865 $\pm$ 0.228 χ^2 /NDF: 966120.2/46

All: 1688.034 $\pm$ 0.159 χ^2 /NDF: 2055915.7/96

- sign 1677.921 $\pm$ 0.220 χ^2 /NDF: 1085436.6/49

diff_bpm0i07X_mean vs Slug



Right In: 33.974 $\pm$ 0.603 χ^2 /NDF: 1588.8/21

Left Out: -18.007 $\pm$ 0.397 χ^2 /NDF: 73.8/24

Right Out: -18.872 $\pm$ 0.554 χ^2 /NDF: 670.3/26

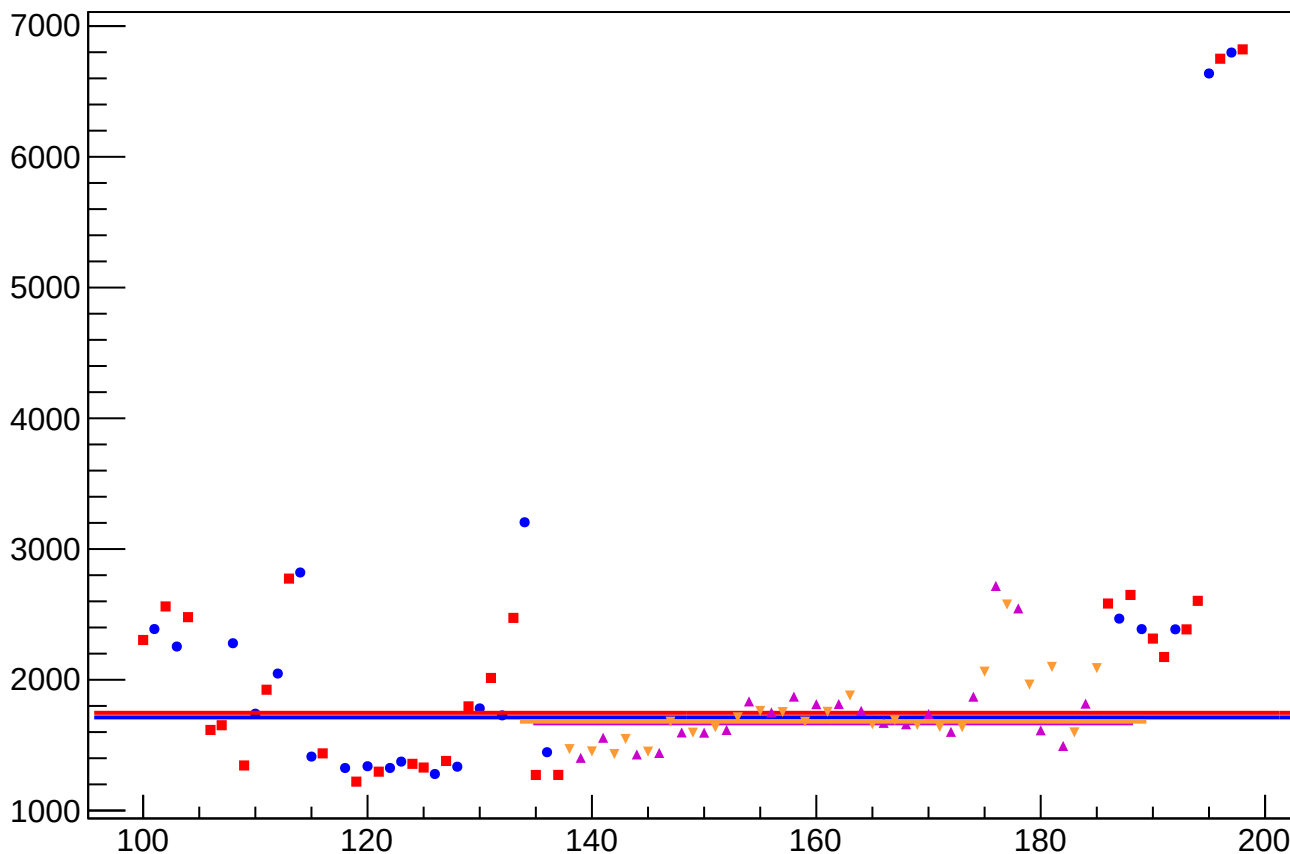
Left In: 23.544 $\pm$ 0.406 χ^2 /NDF: 346.7/22

+ sign -2.302 $\pm$ 0.331 χ^2 /NDF: 6850.4/46

All: 3.284 $\pm$ 0.233 χ^2 /NDF: 12246.8/96

- sign 8.732 $\pm$ 0.327 χ^2 /NDF: 4835.1/49

diff_bpm0i07X_rms vs Slug



Right In: 1712.327 $\pm$ 0.426 χ^2 /NDF: 2737461.0/21

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

Right Out: 1747.487 $\pm$ 0.392 χ^2 /NDF: 3494793.6/26

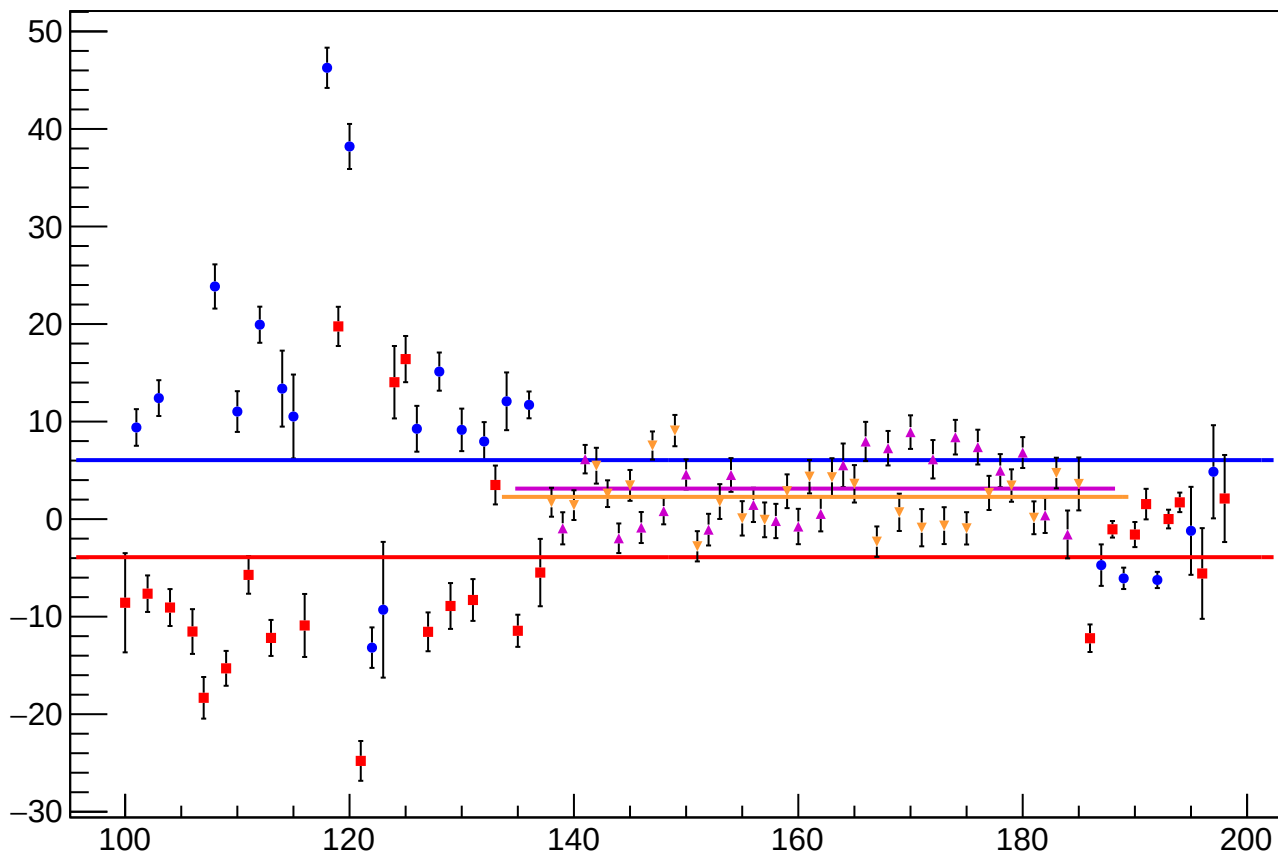
Left In: 1666.819 $\pm$ 0.287 χ^2 /NDF: 650990.8/22

+ sign 1689.637 $\pm$ 0.234 χ^2 /NDF: 3264315.6/46

All: 1692.347 $\pm$ 0.165 χ^2 /NDF: 7437983.1/96

- sign 1694.989 $\pm$ 0.231 χ^2 /NDF: 4173403.4/49

diff_bpm0i07Y_mean vs Slug



Right In: 6.048 ± 0.400 χ^2/NDF : 1224.6/21

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

Right Out: -3.902 ± 0.330 χ^2/NDF : 645.5/26

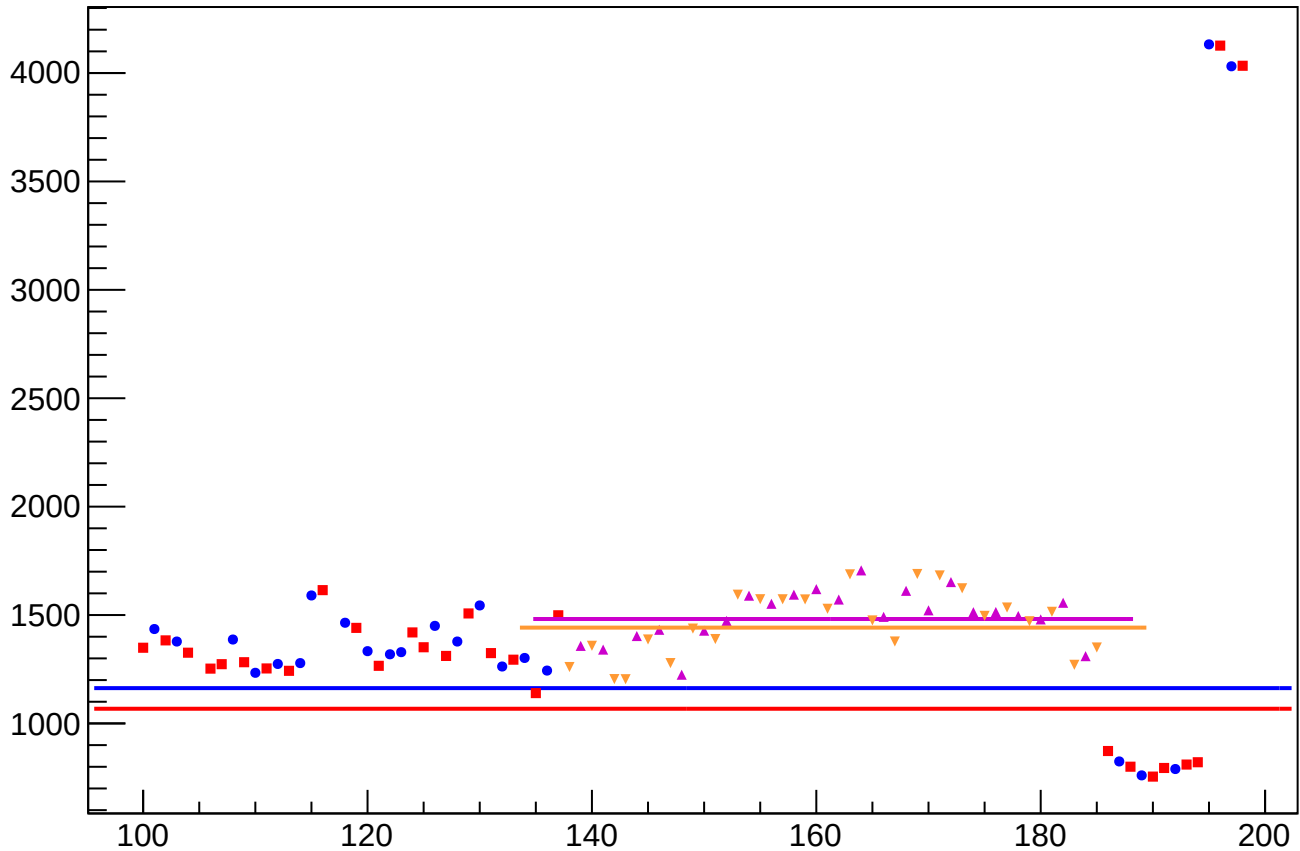
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 3.849 ± 0.258 χ^2/NDF : 1351.9/46

All: 1.450 ± 0.177 χ^2/NDF : 2471.5/96

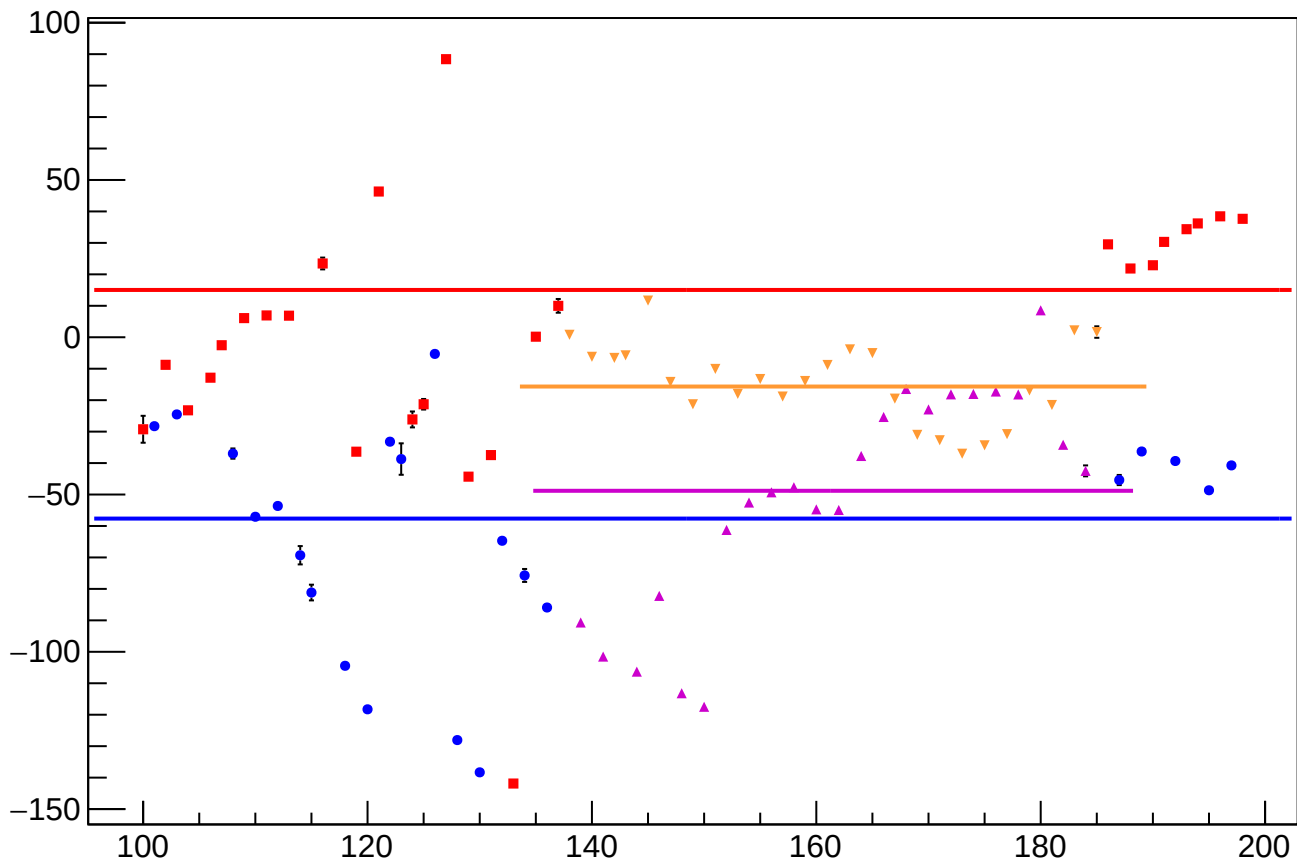
- sign -0.666 ± 0.243 χ^2/NDF : 957.4/49

diff_bpm0i07Y_rms vs Slug



Right In: 1162.856 $\pm$ 0.283	χ^2 /NDF: 2630601.8/21	+ sign 1325.726 $\pm$ 0.183	χ^2 /NDF: 3568270.1/46
Left Out: 1441.951 $\pm$ 0.239	χ^2 /NDF: 370617.4/24	All: 1289.882 $\pm$ 0.125	χ^2 /NDF: 8304977.9/96
Right Out: 1067.719 $\pm$ 0.234	χ^2 /NDF: 3009547.3/26	- sign 1258.273 $\pm$ 0.172	χ^2 /NDF: 4664280.9/49
Left In: 1481.695 $\pm$ 0.253	χ^2 /NDF: 208470.6/22		

diff_bpm1i02X_mean vs Slug



Right In: -57.646 ± 0.259 χ^2/NDF : 15245.8/21

Left Out: -15.666 ± 0.212 χ^2/NDF : 3518.1/24

Right Out: 15.038 ± 0.223 χ^2/NDF : 27391.0/26

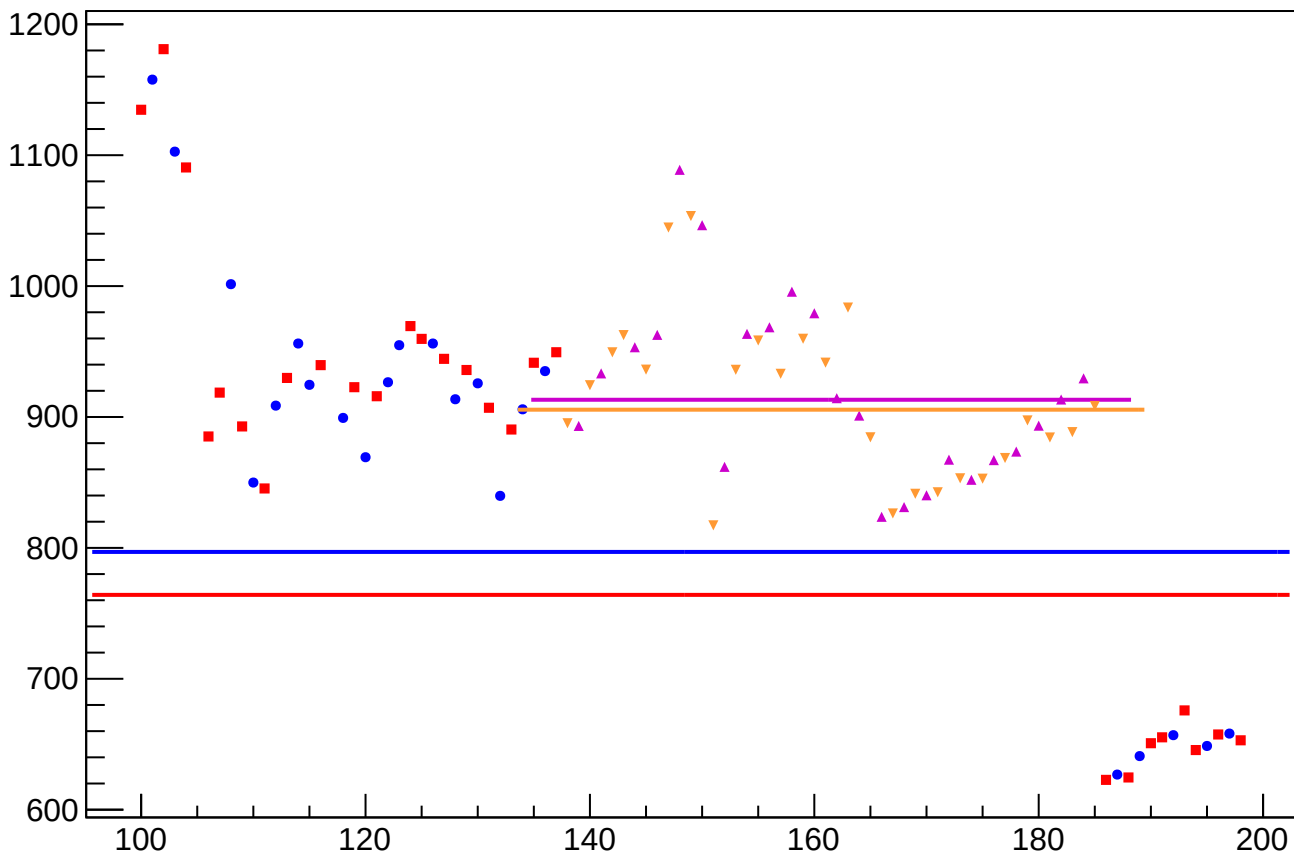
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -32.450 ± 0.164 χ^2/NDF : 34513.5/46

All: -24.562 ± 0.113 χ^2/NDF : 133145.9/96

- sign -17.356 ± 0.157 χ^2/NDF : 94197.7/49

diff_bpm1i02X_rms vs Slug



Right In: 796.920 $\pm$ 0.183 χ^2 /NDF: 711240.3/21

Left Out: 905.578 $\pm$ 0.150 χ^2 /NDF: 162073.5/24

Right Out: 764.106 $\pm$ 0.158 χ^2 /NDF: 917723.3/26

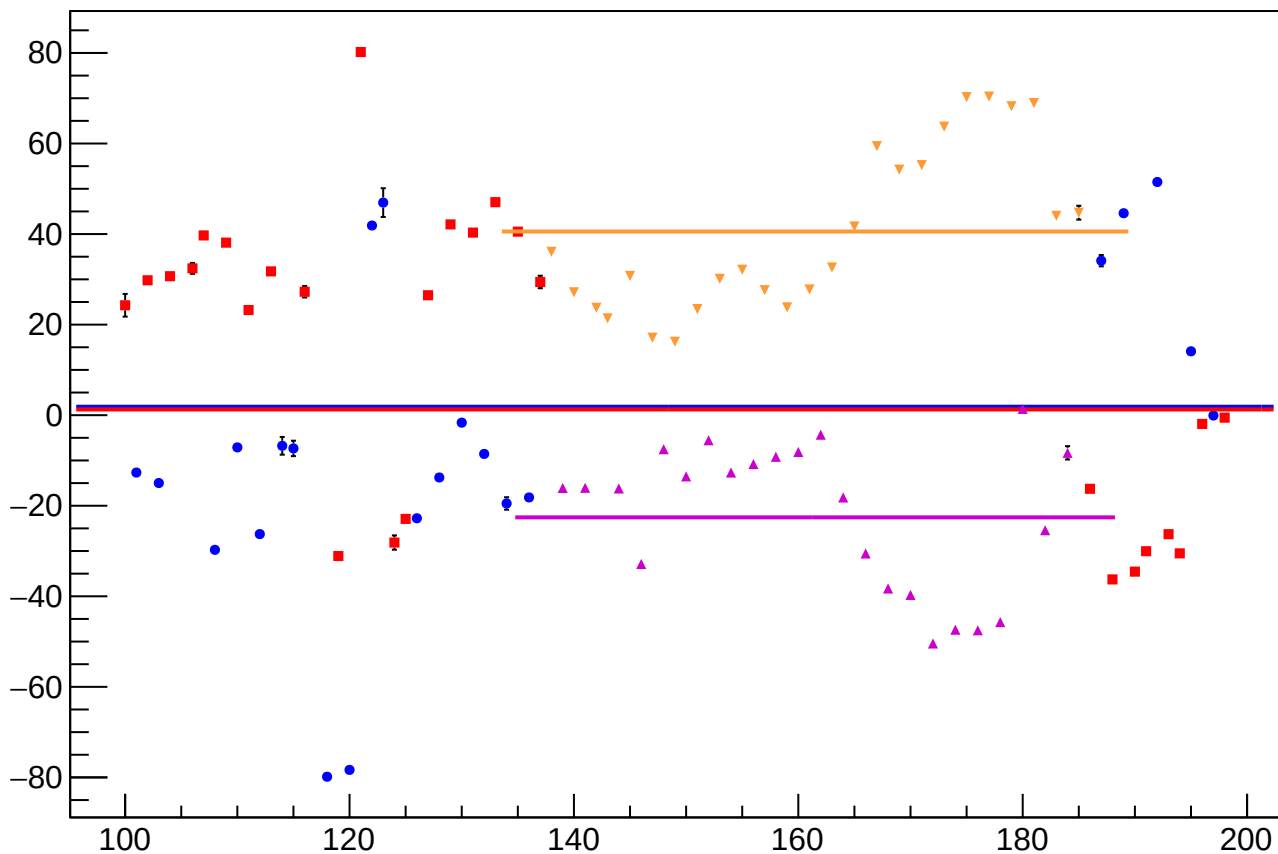
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF: 174438.8/22

+ sign 862.135 $\pm$ 0.116 χ^2 /NDF: 1084342.0/46

All: 850.425 $\pm$ 0.080 χ^2 /NDF: 2648893.3/96

- sign 839.729 $\pm$ 0.111 χ^2 /NDF: 1545009.0/49

diff_bpm1i02Y_mean vs Slug



Right In: 1.865+/-0.182 χ^2/NDF : 35131.8/21

Left Out: 40.573+/-0.168 χ^2/NDF :12079.0/24

Right Out: 1.268+/-0.159 χ^2/NDF : 40925.1/26

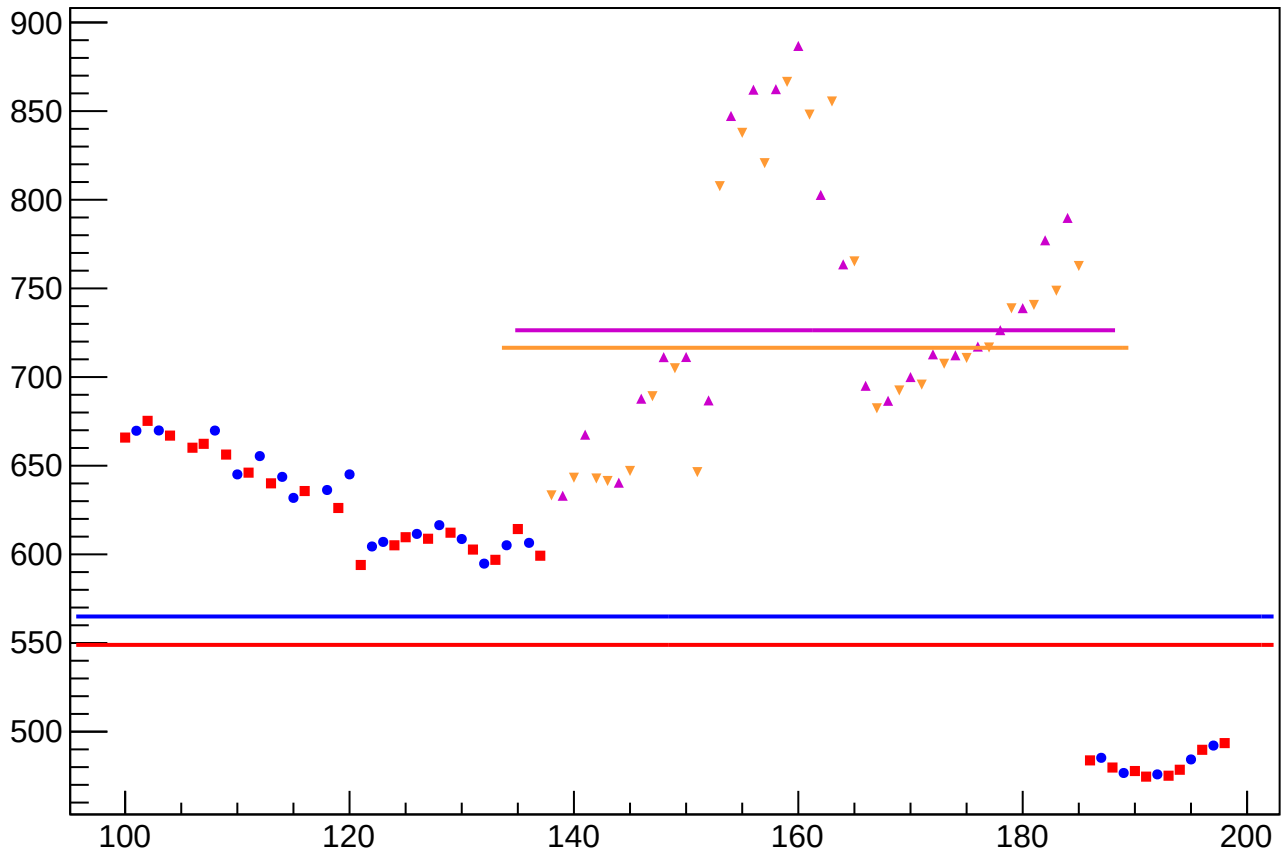
Left In: -22.565+/-0.175 χ^2/NDF :8167.7/22

+ sign 22.775+/-0.123 χ^2/NDF : 71665.9/46

All: 5.889+/-0.085 χ^2/NDF : 166697.3/96

- sign -9.467+/-0.118 χ^2/NDF : 59253.5/49

diff_bpm1i02Y_rms vs Slug



Right In: 564.959 $\pm$ 0.129 χ^2 /NDF: 348297.8/21

Left Out: 716.515 $\pm$ 0.119 χ^2 /NDF:342740.2/24

Right Out: 548.941 $\pm$ 0.112 χ^2 /NDF: 452631.9/26

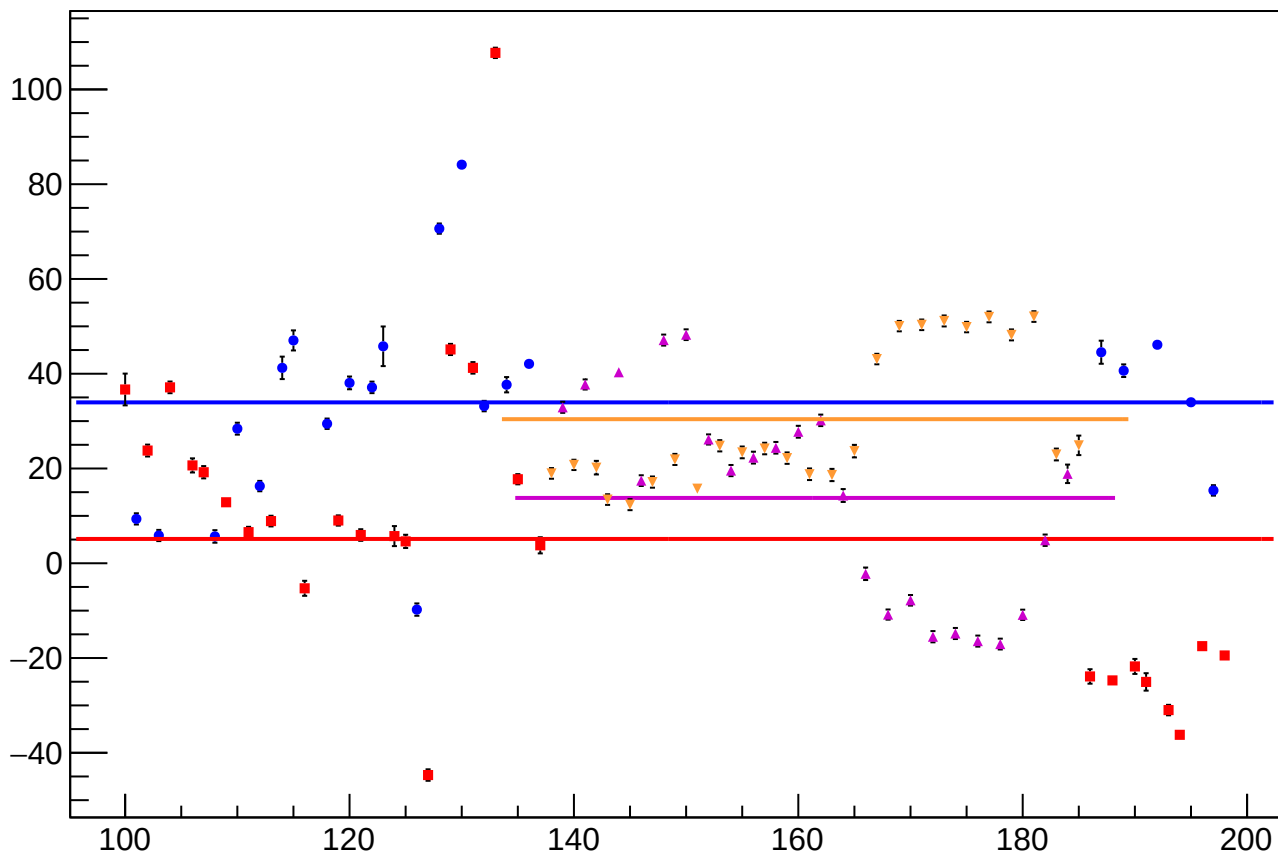
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF:289788.8/22

+ sign 646.831 $\pm$ 0.087 χ^2 /NDF: 1440847.0/46

All: 637.423 $\pm$ 0.060 χ^2 /NDF: 3331982.7/96

- sign 628.867 $\pm$ 0.083 χ^2 /NDF: 1868924.2/49

diff_bpm1i04X_mean vs Slug



Right In: 33.953+/-0.261 χ^2/NDF : 6908.3/21

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

Right Out: 5.131+/-0.239 χ^2/NDF : 19585.0/26

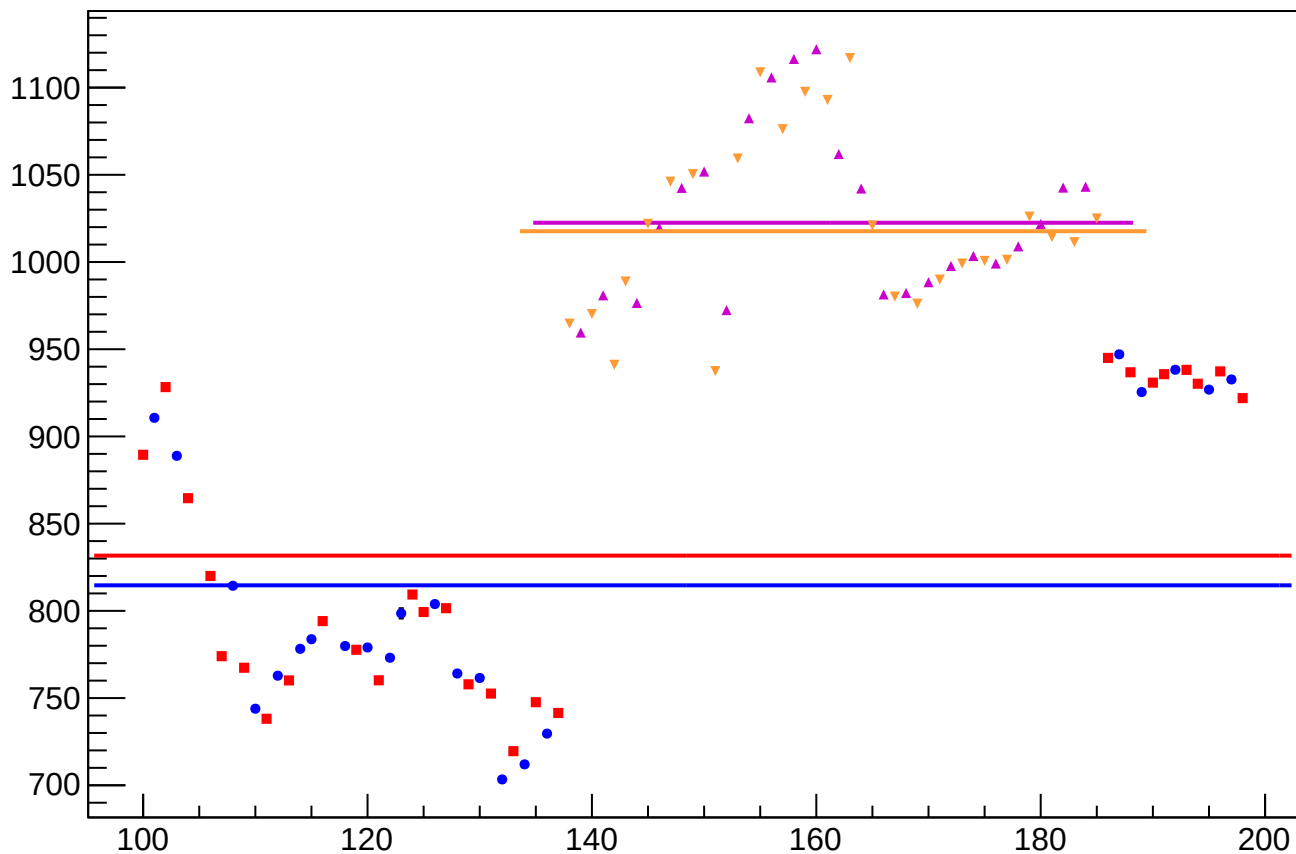
Left In: 13.787+/-0.246 χ^2/NDF : 7979.7/22

+ sign 32.010+/-0.176 χ^2/NDF : 10817.1/46

All: 20.401+/-0.123 χ^2/NDF : 47539.1/96

- sign 9.344+/-0.172 χ^2/NDF : 28201.0/49

diff_bpm1i04X_rms vs Slug



Right In: 814.641 $\pm$ 0.185 χ^2 /NDF: 197726.9/21

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

Right Out: 831.667 $\pm$ 0.169 χ^2 /NDF: 238654.9/26

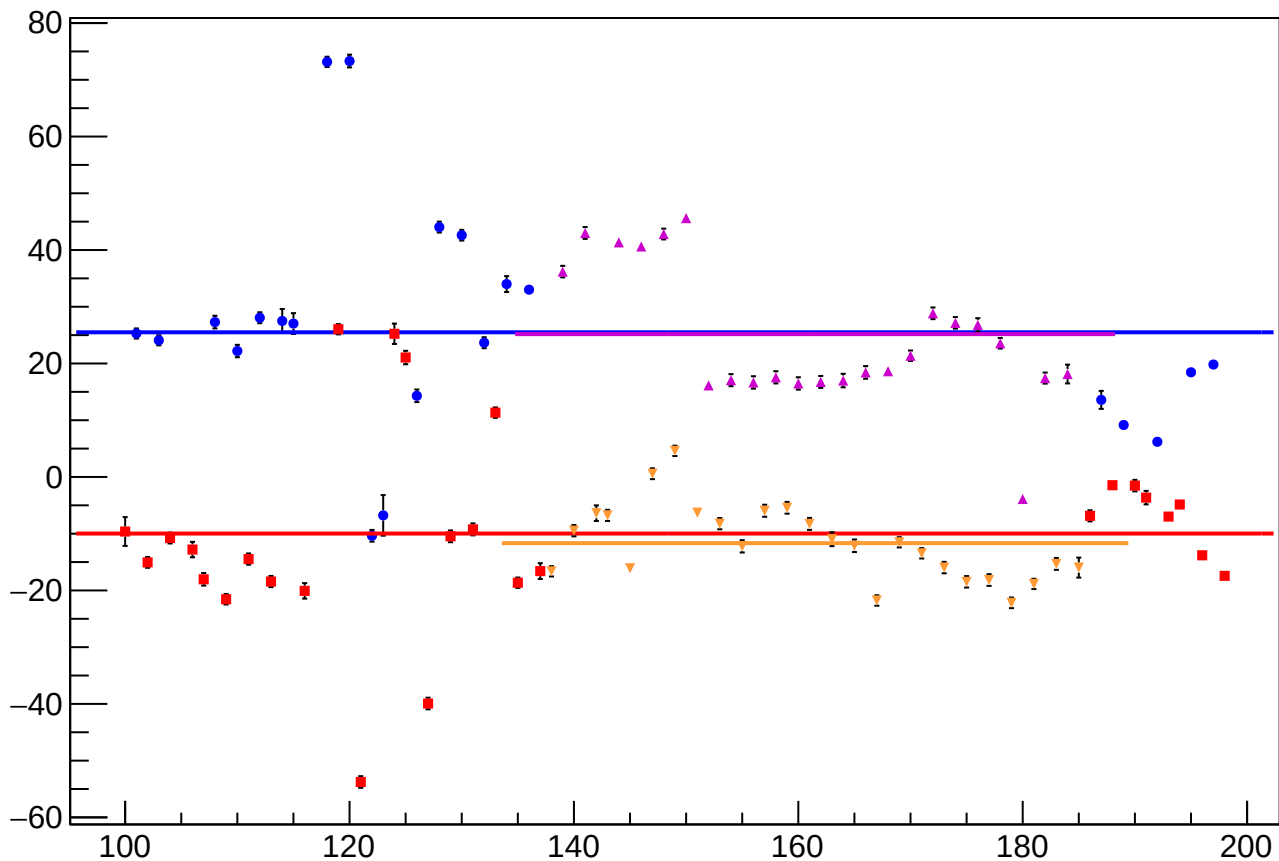
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF: 69635.5/22

+ sign 925.882 $\pm$ 0.124 χ^2 /NDF: 942492.9/46

All: 925.202 $\pm$ 0.087 χ^2 /NDF: 1869537.2/96

- sign 924.555 $\pm$ 0.121 χ^2 /NDF: 926985.9/49

diff_bpm1i04Y_mean vs Slug



Right In: 25.498 $\pm$ 0.201 χ^2 /NDF: 8477.2/21

Left Out: -11.664 $\pm$ 0.200 χ^2 /NDF:1147.4/24

Right Out: -9.972 $\pm$ 0.181 χ^2 /NDF: 6888.6/26

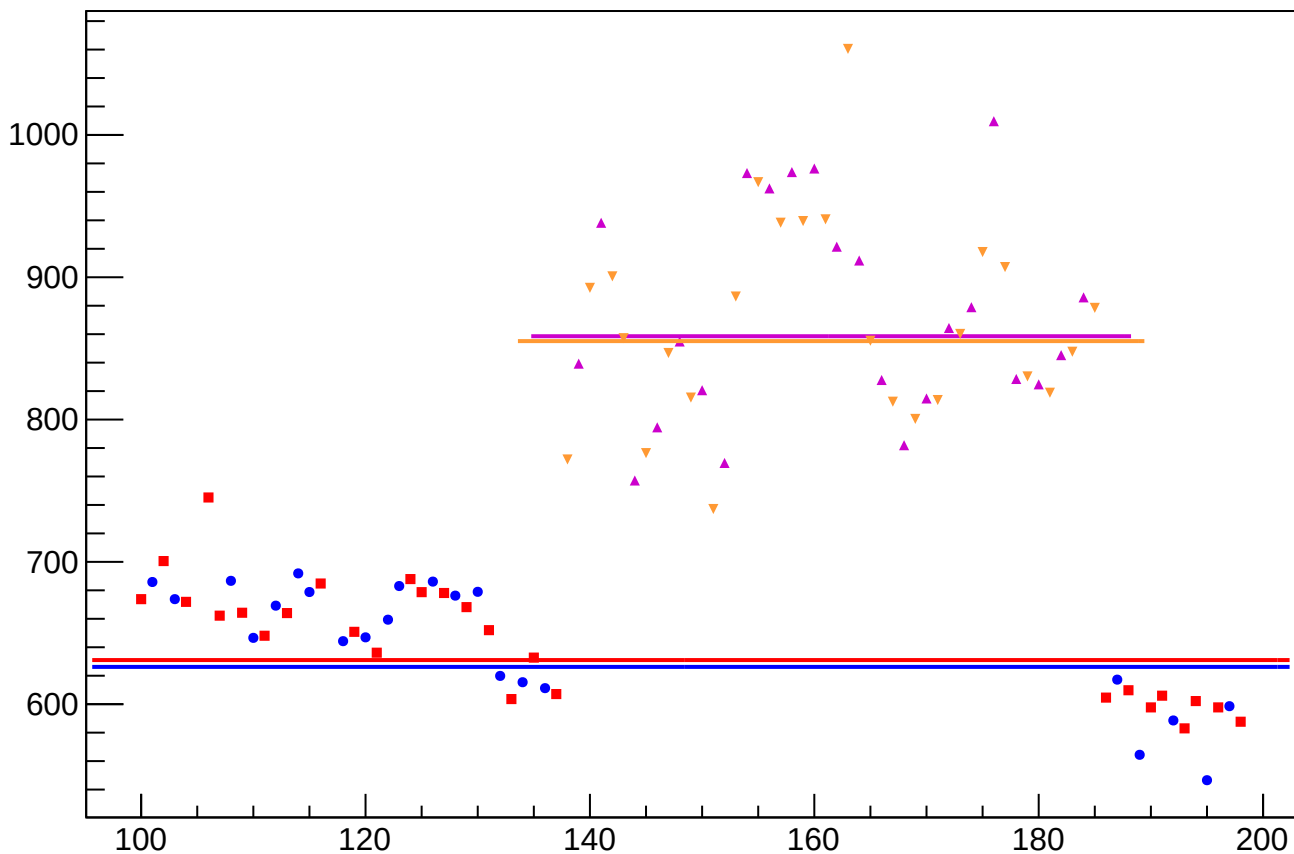
Left In: 25.174 $\pm$ 0.207 χ^2 /NDF:3747.1/22

+ sign 6.869 $\pm$ 0.142 χ^2 /NDF: 26793.9/46

All: 6.027 $\pm$ 0.098 χ^2 /NDF: 53782.9/96

- sign 5.247 $\pm$ 0.136 χ^2 /NDF: 26921.1/49

diff_bpm1i04Y_rms vs Slug



Right In: 626.196 $\pm$ 0.142 χ^2 /NDF: 108060.1/21

Left Out: 855.131 $\pm$ 0.142 χ^2 /NDF: 233746.7/24

Right Out: 630.999 $\pm$ 0.128 χ^2 /NDF: 89344.9/26

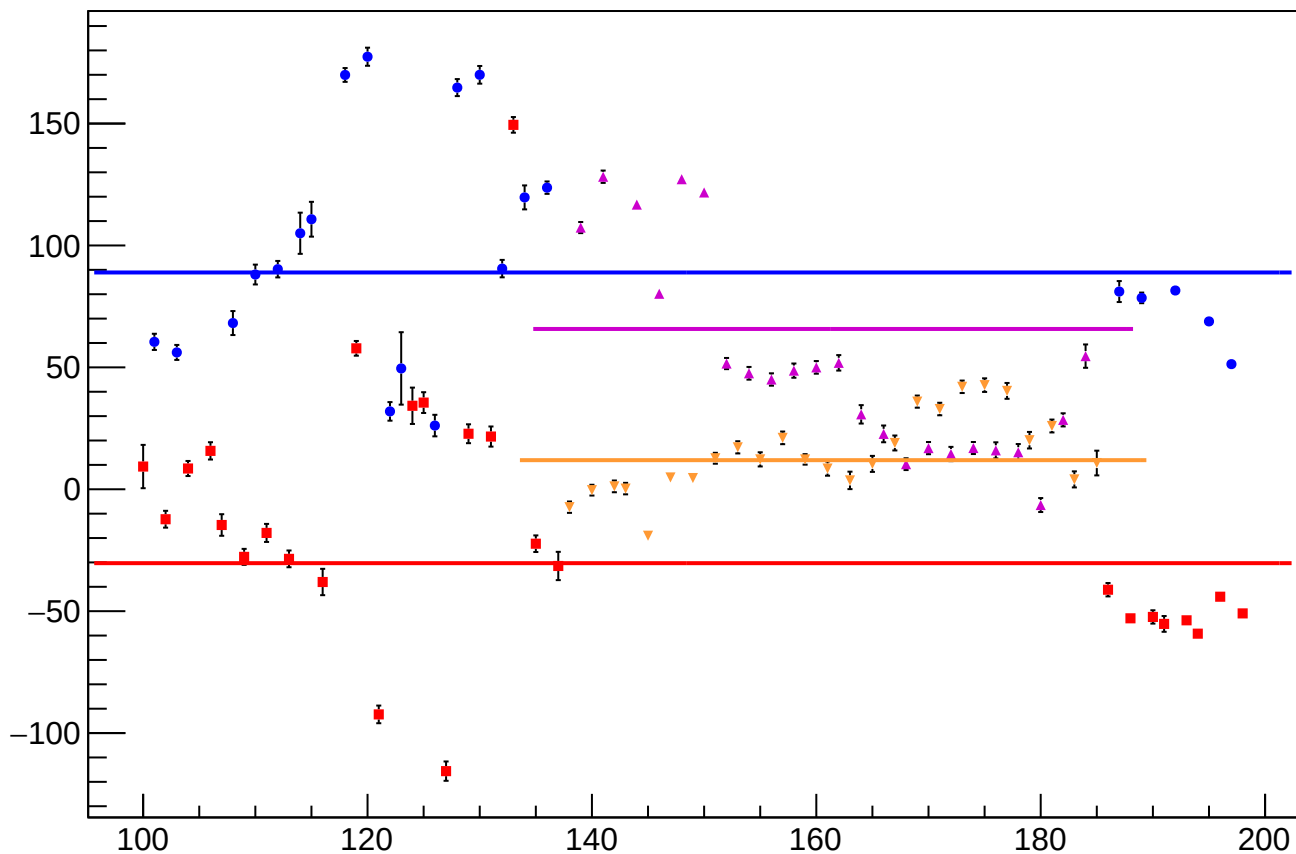
Left In: 858.563 $\pm$ 0.147 χ^2 /NDF: 239019.8/22

+ sign 740.960 $\pm$ 0.100 χ^2 /NDF: 1645005.2/46

All: 735.032 $\pm$ 0.070 χ^2 /NDF: 3345582.4/96

- sign 729.542 $\pm$ 0.096 χ^2 /NDF: 1693845.3/49

diff_bpm1i06X_mean vs Slug



Right In: 88.921+/-0.643 χ^2/NDF : 3789.2/21

Left Out: 11.938+/-0.505 χ^2/NDF : 976.6/24

Right Out: -30.307+/-0.562 χ^2/NDF : 6717.4/26

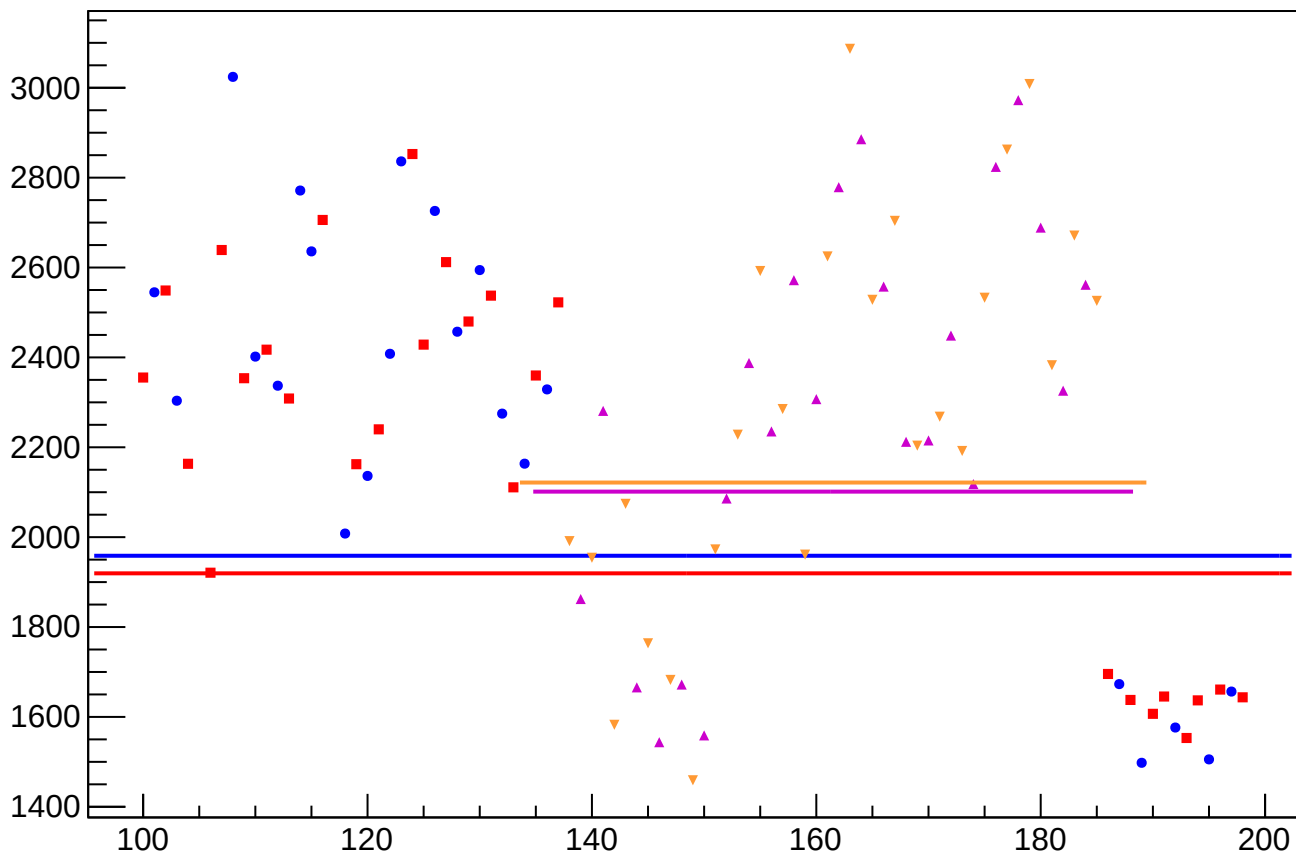
Left In: 65.752+/-0.518 χ^2/NDF : 7335.8/22

+ sign 41.317+/-0.397 χ^2/NDF : 13623.1/46

All: 31.064+/-0.275 χ^2/NDF : 44760.6/96

- sign 21.651+/-0.381 χ^2/NDF : 29860.5/49

diff_bpm1i06X_rms vs Slug



Right In: 1958.616 $\pm$ 0.455 χ^2 /NDF: 929259.8/21

Left Out: 2121.567 $\pm$ 0.357 χ^2 /NDF:1387847.6/24

Right Out: 1919.493 $\pm$ 0.397 χ^2 /NDF: 894063.0/26

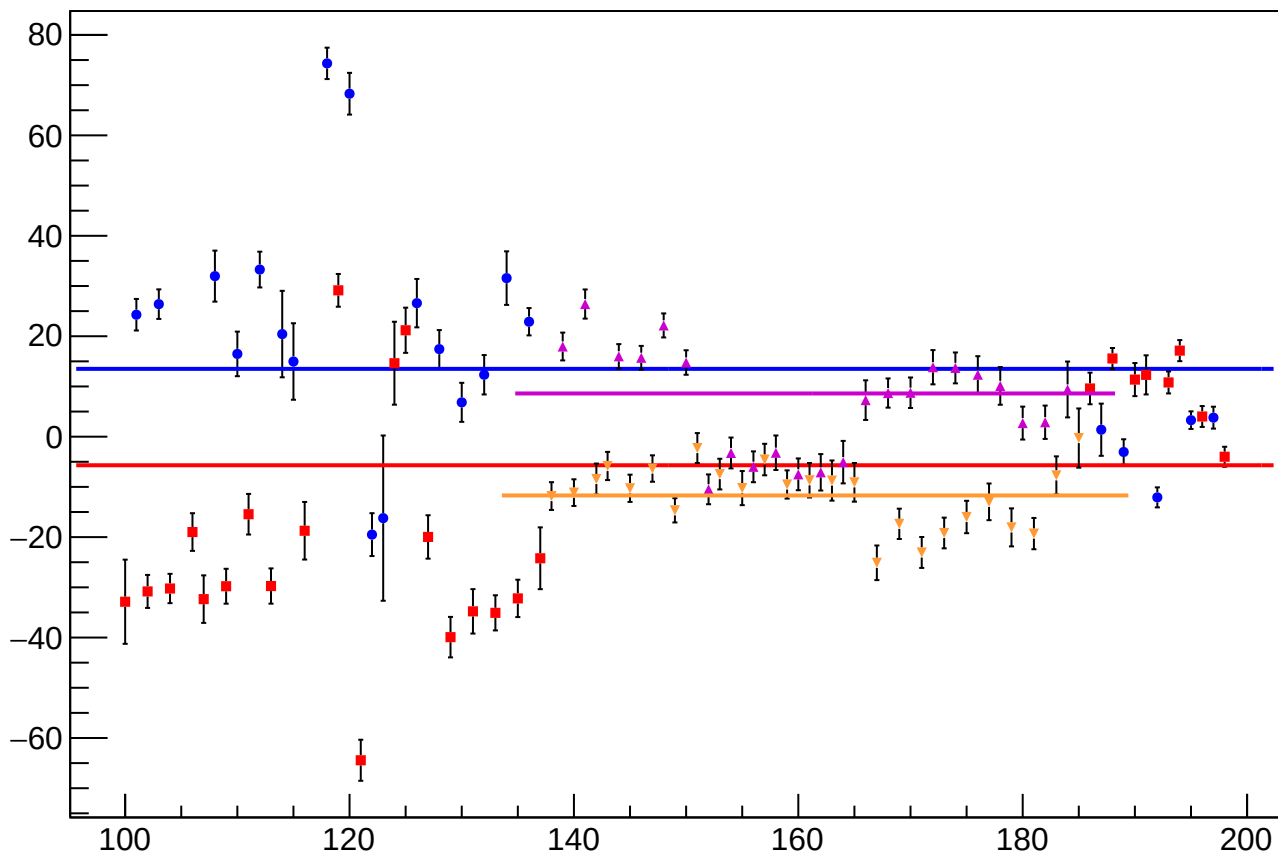
Left In: 2101.325 $\pm$ 0.366 χ^2 /NDF:1360518.3/22

+ sign 2059.380 $\pm$ 0.281 χ^2 /NDF: 2396478.1/46

All: 2037.726 $\pm$ 0.194 χ^2 /NDF: 4775730.9/96

- sign 2017.846 $\pm$ 0.269 χ^2 /NDF: 2367861.0/49

diff_bpm1i06Y_mean vs Slug



Right In: 13.505 ± 0.702 $\chi^2/\text{NDF}: 993.0/21$

Left Out: -11.700 ± 0.625 $\chi^2/\text{NDF}: 85.0/24$

Right Out: -5.690 ± 0.624 $\chi^2/\text{NDF}: 1281.3/26$

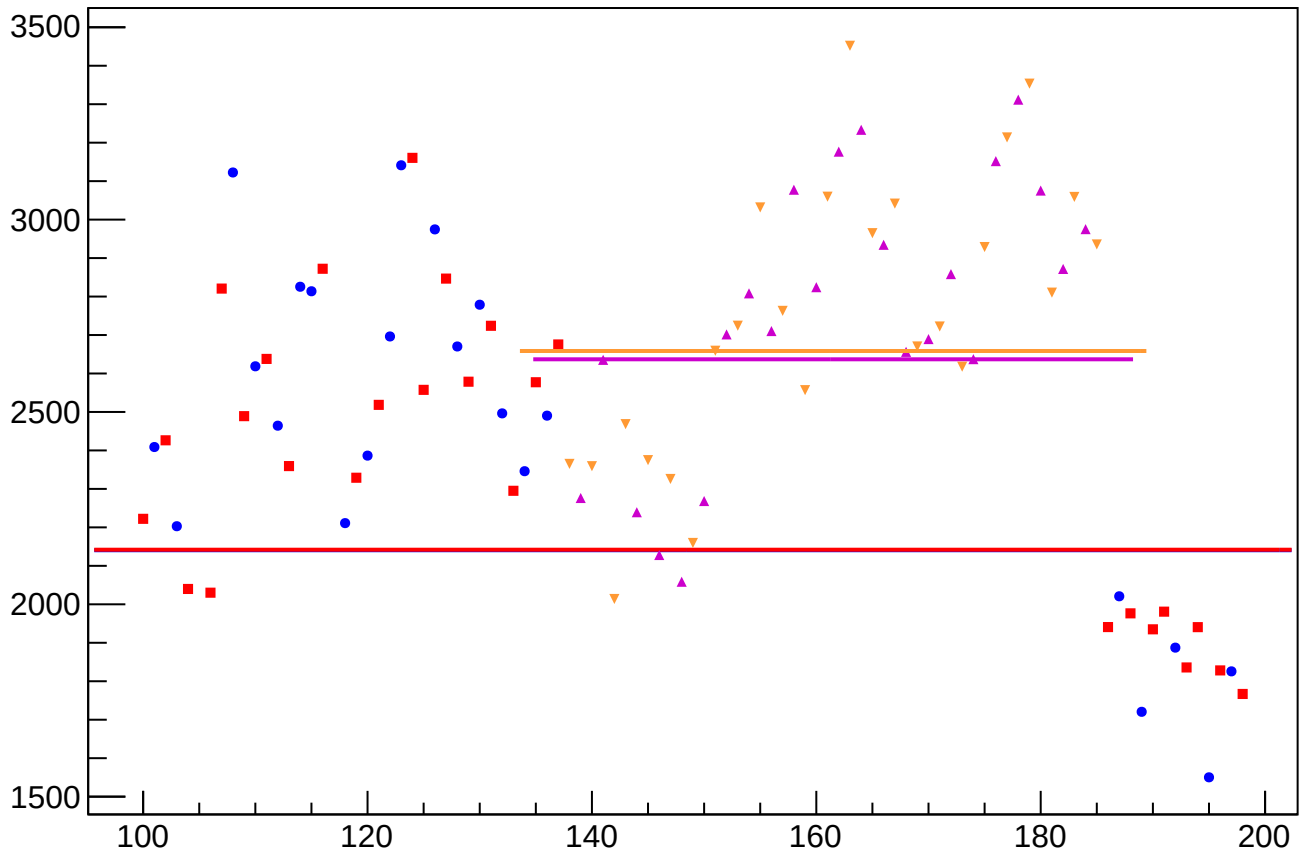
Left In: 8.606 ± 0.642 $\chi^2/\text{NDF}: 264.2/22$

+ sign -0.549 ± 0.467 $\chi^2/\text{NDF}: 1796.5/46$

All: 0.393 ± 0.323 $\chi^2/\text{NDF}: 3604.8/96$

- sign 1.257 ± 0.447 $\chi^2/\text{NDF}: 1800.5/49$

diff_bpm1i06Y_rms vs Slug



Right In: 2140.578 $\pm$ 0.497 χ^2 /NDF: 769483.4/21

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 2141.918 $\pm$ 0.441 χ^2 /NDF: 585322.8/26

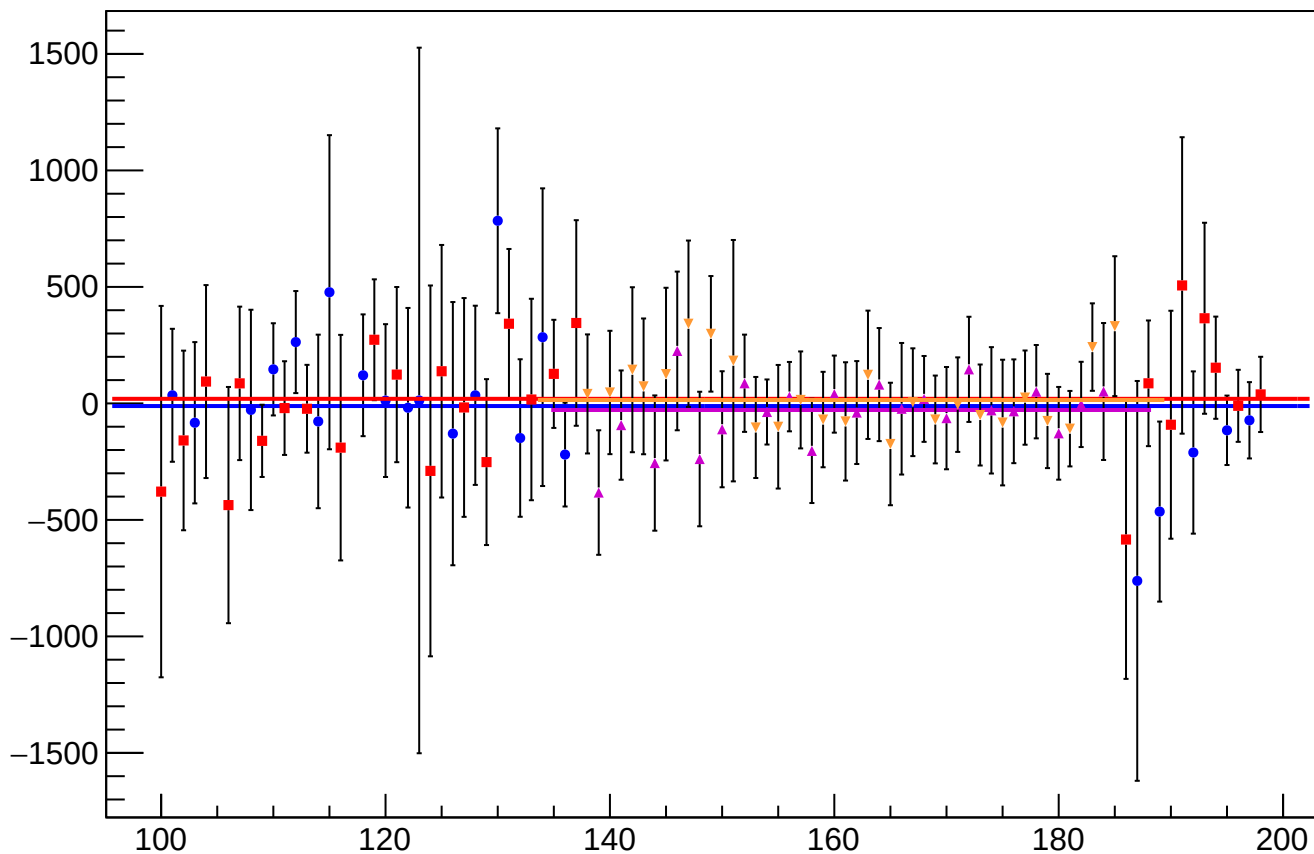
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2429.365 $\pm$ 0.330 χ^2 /NDF: 1994313.6/46

All: 2404.902 $\pm$ 0.228 χ^2 /NDF: 3854309.7/96

- sign 2382.445 $\pm$ 0.316 χ^2 /NDF: 1849471.6/49

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -11.304 ± 62.272 $\chi^2/\text{NDF}: 11.5/21$

Left Out: 14.520 ± 47.528 $\chi^2/\text{NDF}: 7.8/24$

Right Out: 19.697 ± 54.696 $\chi^2/\text{NDF}: 9.4/26$

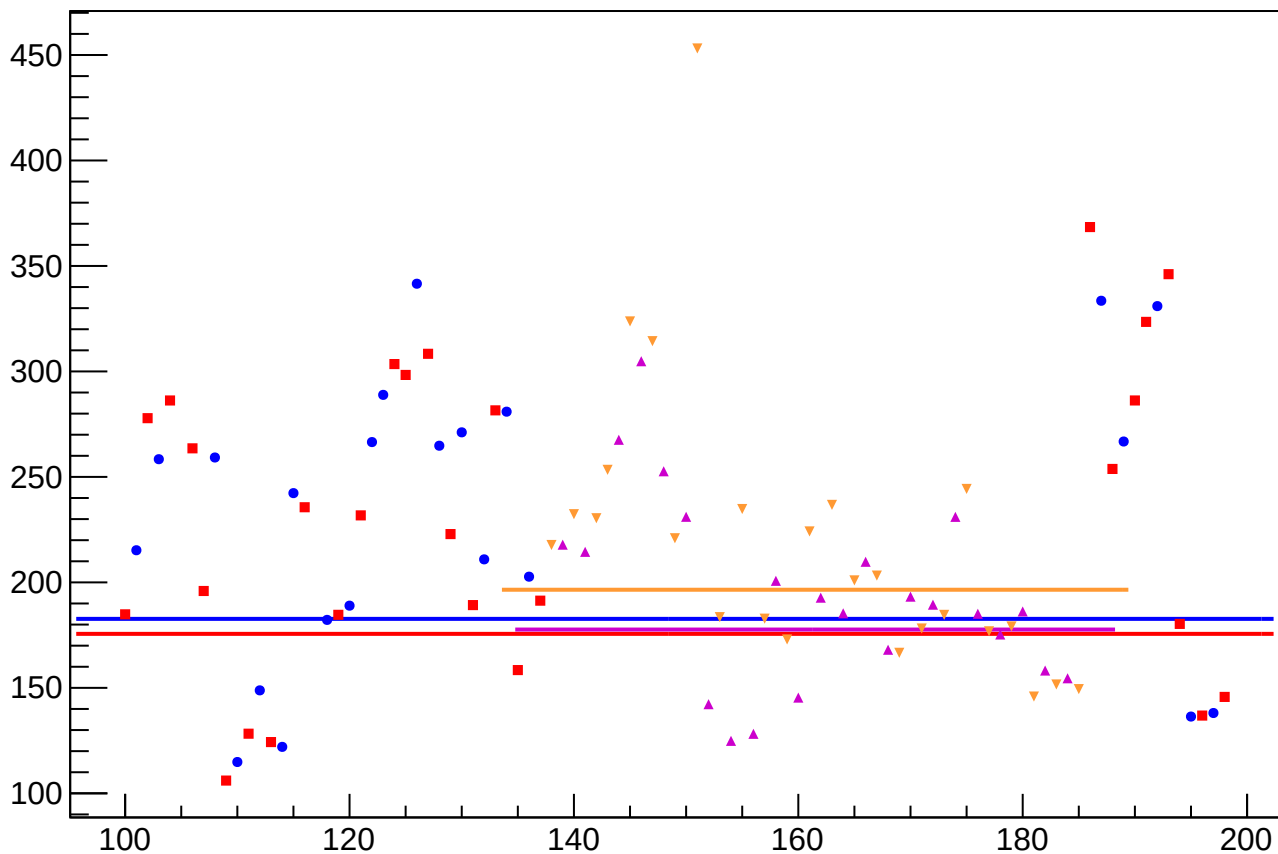
Left In: -28.310 ± 44.638 $\chi^2/\text{NDF}: 6.3/22$

+ sign 5.014 ± 37.781 $\chi^2/\text{NDF}: 19.4/46$

All: -2.675 ± 25.510 $\chi^2/\text{NDF}: 35.6/96$

- sign -9.118 ± 34.583 $\chi^2/\text{NDF}: 16.2/49$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 182.704 $\pm$ 0.044 χ^2/NDF : 1910598.5/21

Left Out: 196.514 $\pm$ 0.034 χ^2/NDF : 1789504.4/24

Right Out: 175.597 $\pm$ 0.039 χ^2/NDF : 2704782.2/26

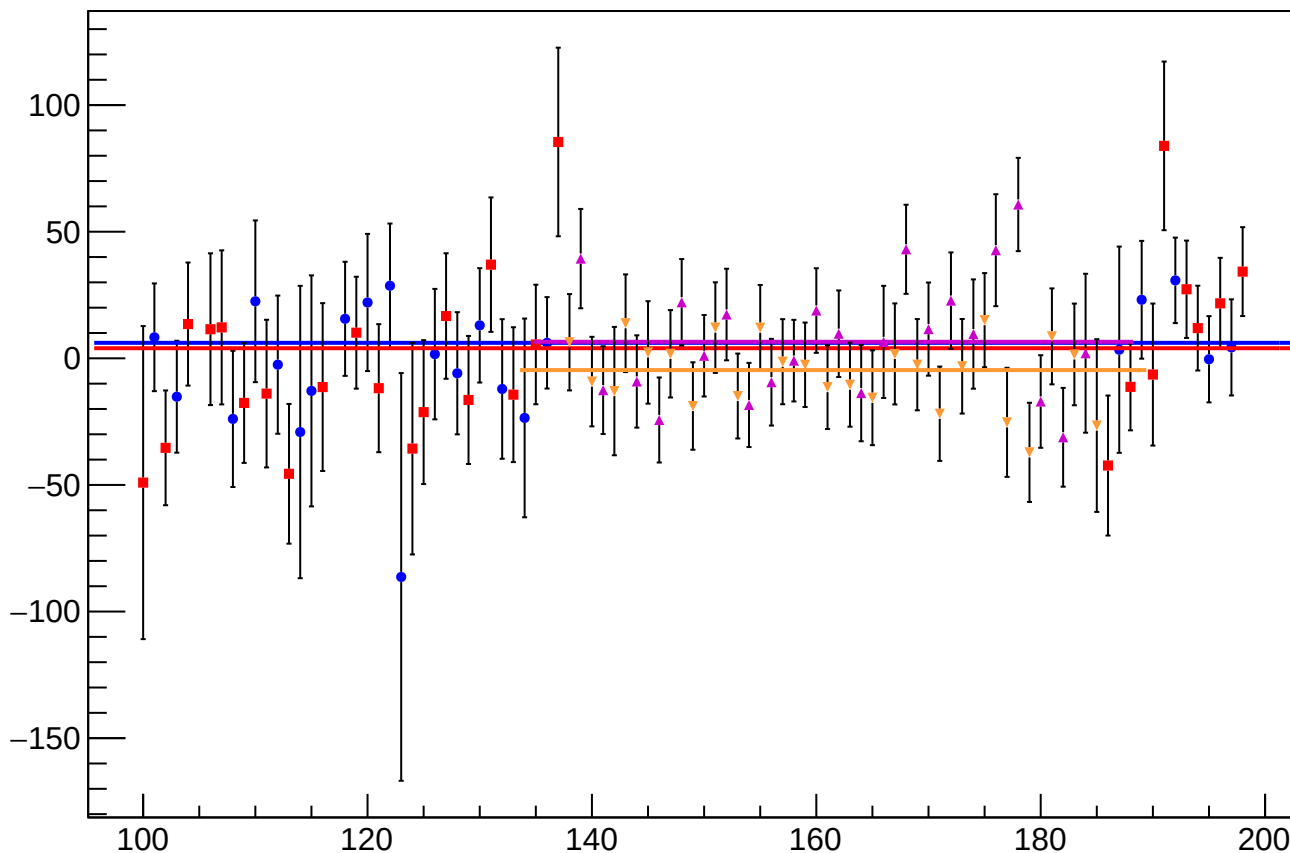
Left In: 177.643 $\pm$ 0.032 χ^2/NDF : 1630664.5/22

+ sign 191.431 $\pm$ 0.027 χ^2/NDF : 3762260.2/46

All: 183.484 $\pm$ 0.018 χ^2/NDF : 8262007.7/96

- sign 176.825 $\pm$ 0.024 χ^2/NDF : 4337126.2/49

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 6.115 $\pm$ 5.249 χ^2 /NDF: 10.0/21

Left Out: -4.646 $\pm$ 3.728 χ^2 /NDF:12.1/24

Right Out: 3.989 $\pm$ 4.728 χ^2 /NDF: 33.7/26

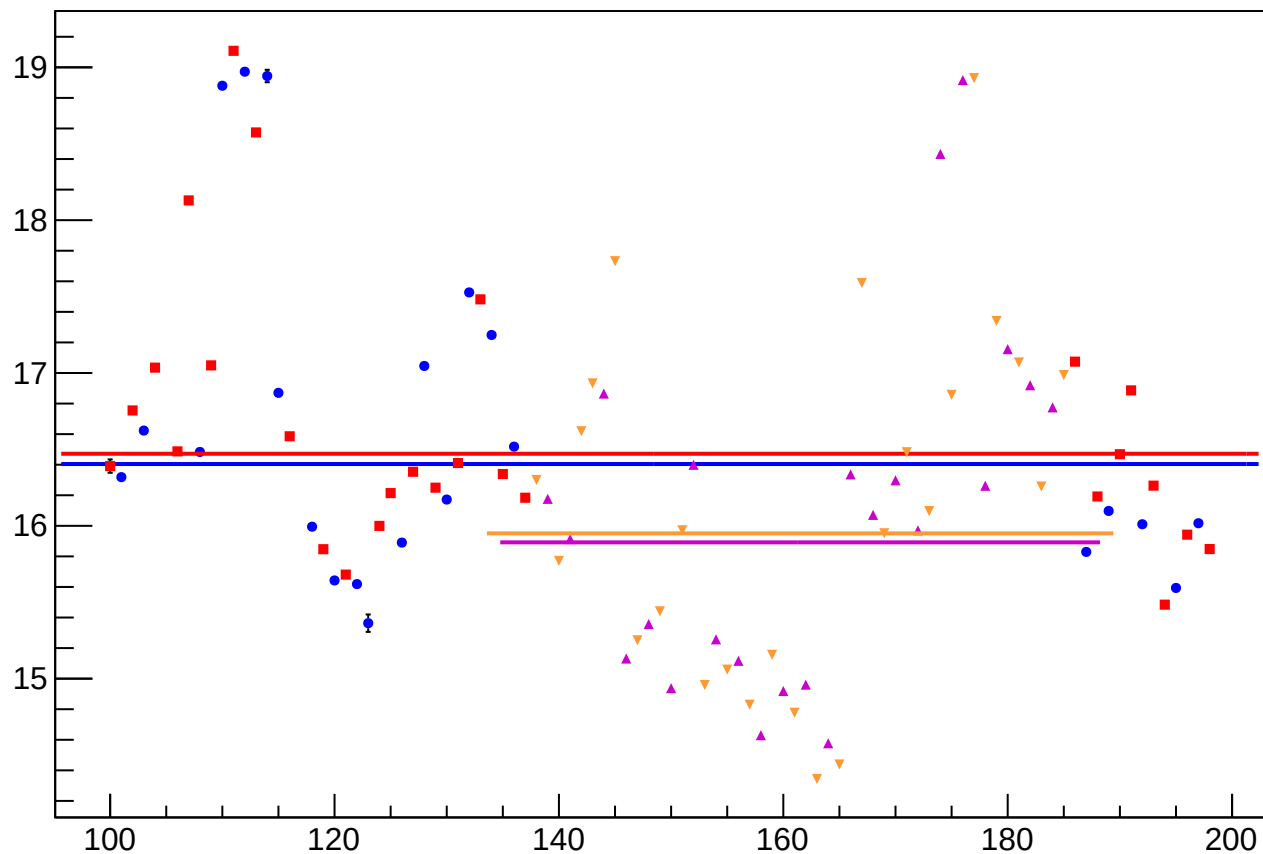
Left In: 6.526 $\pm$ 3.828 χ^2 /NDF:36.4/22

+ sign -1.038 $\pm$ 3.039 χ^2 /NDF: 24.8/46

All: 2.312 $\pm$ 2.126 χ^2 /NDF: 97.5/96

- sign 5.522 $\pm$ 2.975 χ^2 /NDF: 70.3/49

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.404 $\pm$ 0.004 χ^2 /NDF: 52632.8/21

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF: 173458.5/24

Right Out: 16.472 $\pm$ 0.003 χ^2 /NDF: 57011.7/26

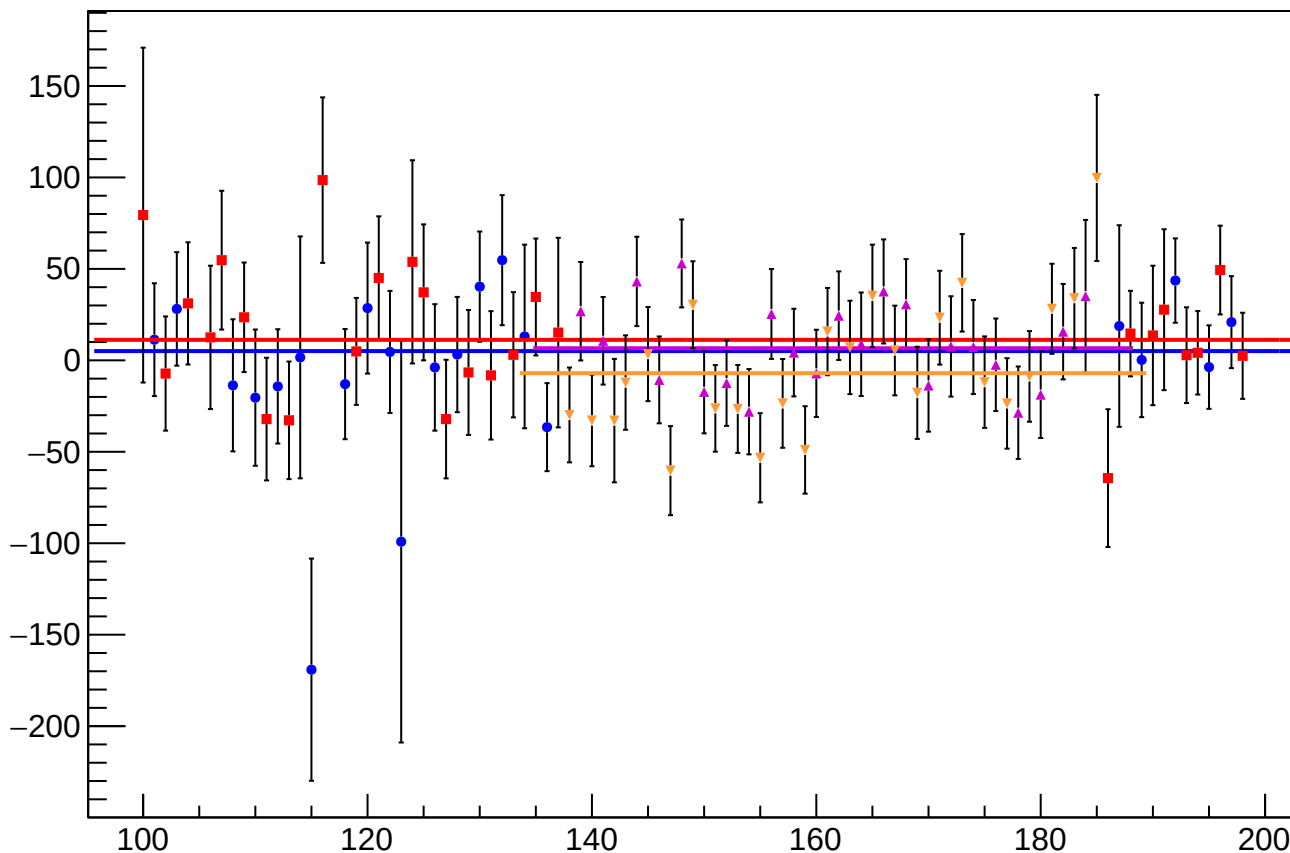
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF: 147093.3/22

+ sign 16.103 $\pm$ 0.002 χ^2 /NDF: 236022.0/46

All: 16.112 $\pm$ 0.002 χ^2 /NDF: 458329.9/96

- sign 16.121 $\pm$ 0.002 χ^2 /NDF: 222269.7/49

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.051 ± 6.975 χ^2/NDF : 21.5/21

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 11.211 ± 6.276 χ^2/NDF : 22.1/26

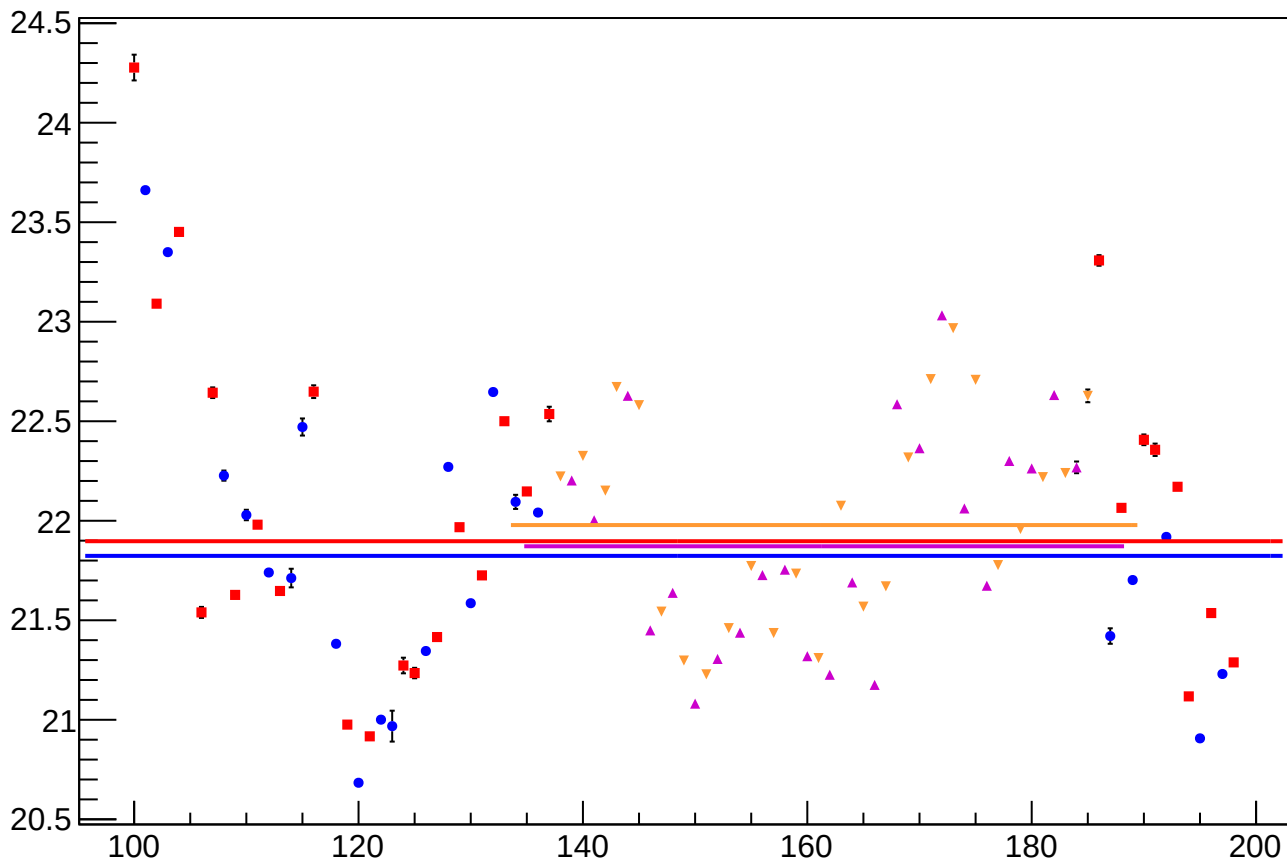
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -2.790 ± 4.128 χ^2/NDF : 60.8/46

All: 2.997 ± 2.883 χ^2/NDF : 106.2/96

- sign 8.505 ± 4.027 χ^2/NDF : 41.6/49

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.824 $\pm$ 0.005 χ^2 /NDF: 23010.5/21

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF:19430.2/24

Right Out: 21.897 $\pm$ 0.004 χ^2 /NDF: 24312.0/26

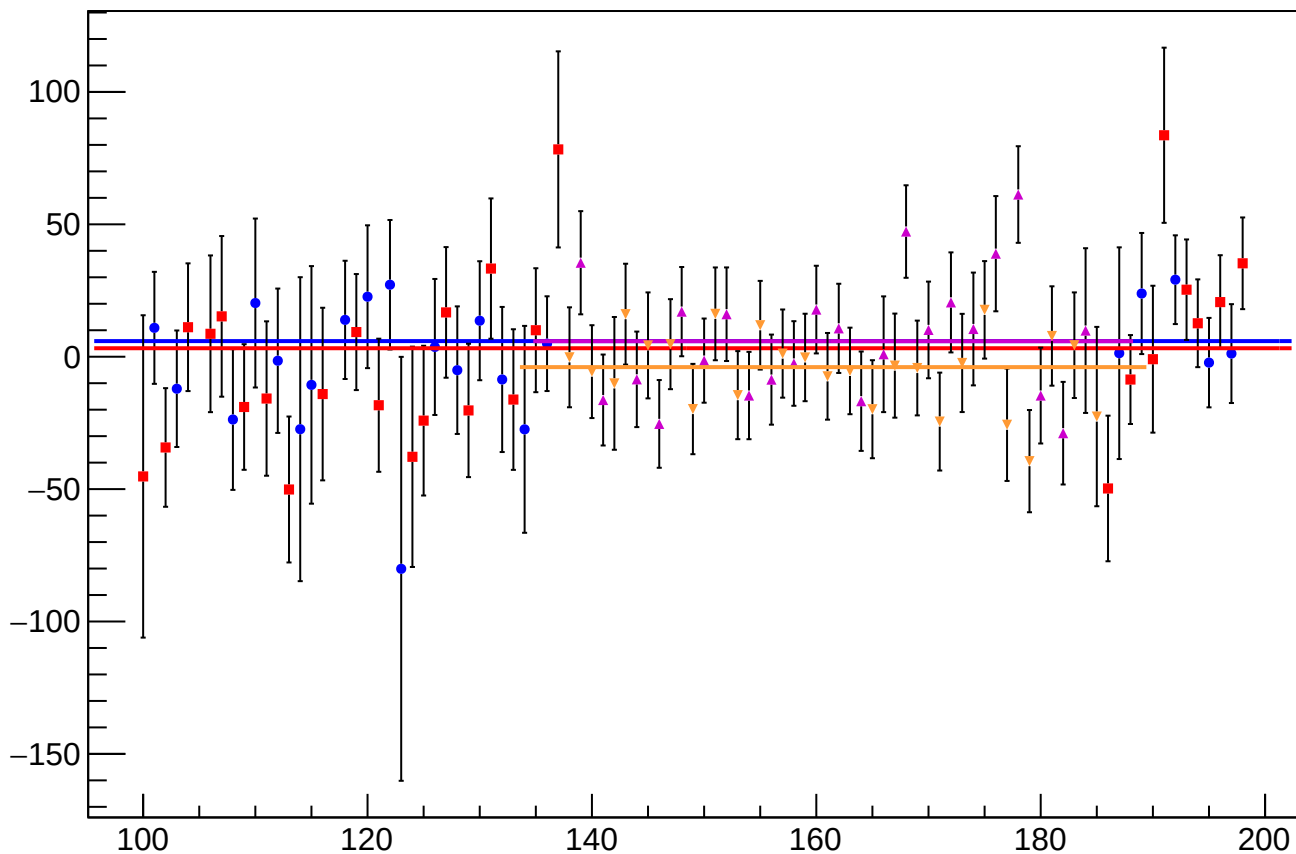
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

+ sign 21.924 $\pm$ 0.003 χ^2 /NDF: 43080.6/46

All: 21.903 $\pm$ 0.002 χ^2 /NDF: 88042.5/96

- sign 21.882 $\pm$ 0.003 χ^2 /NDF: 44856.3/49

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.901 $\pm$ 5.209 χ^2 /NDF: 9.3/21

Left Out: -3.927 $\pm$ 3.688 χ^2 /NDF:14.0/24

Right Out: 3.201 $\pm$ 4.685 χ^2 /NDF: 35.2/26

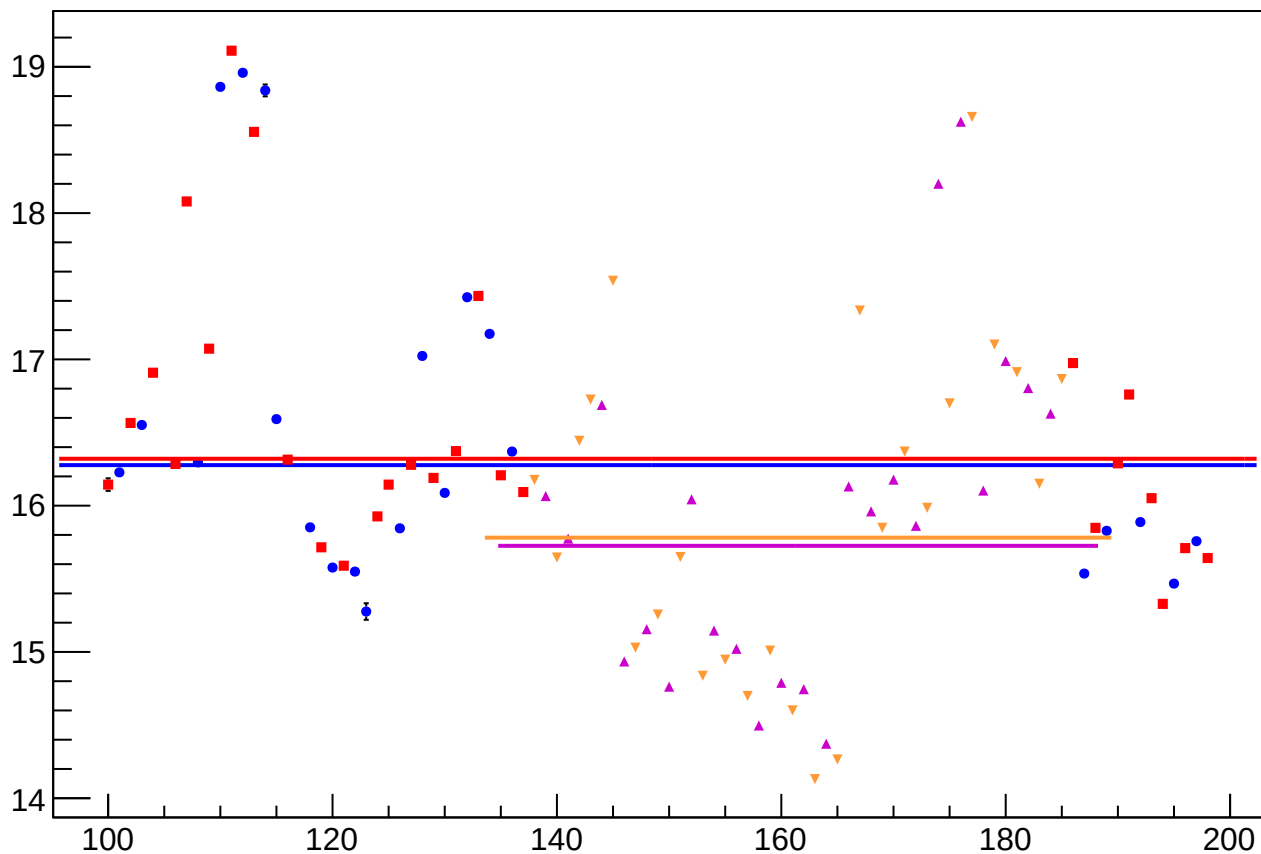
Left In: 5.861 $\pm$ 3.787 χ^2 /NDF:36.2/22

+ sign -0.646 $\pm$ 3.010 χ^2 /NDF: 25.7/46

All: 2.141 $\pm$ 2.105 χ^2 /NDF: 98.9/96

- sign 4.810 $\pm$ 2.945 χ^2 /NDF: 71.6/49

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.277 $\pm$ 0.004 χ^2 /NDF: 56992.6/21

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF: 172894.3/24

Right Out: 16.321 $\pm$ 0.003 χ^2 /NDF: 64910.0/26

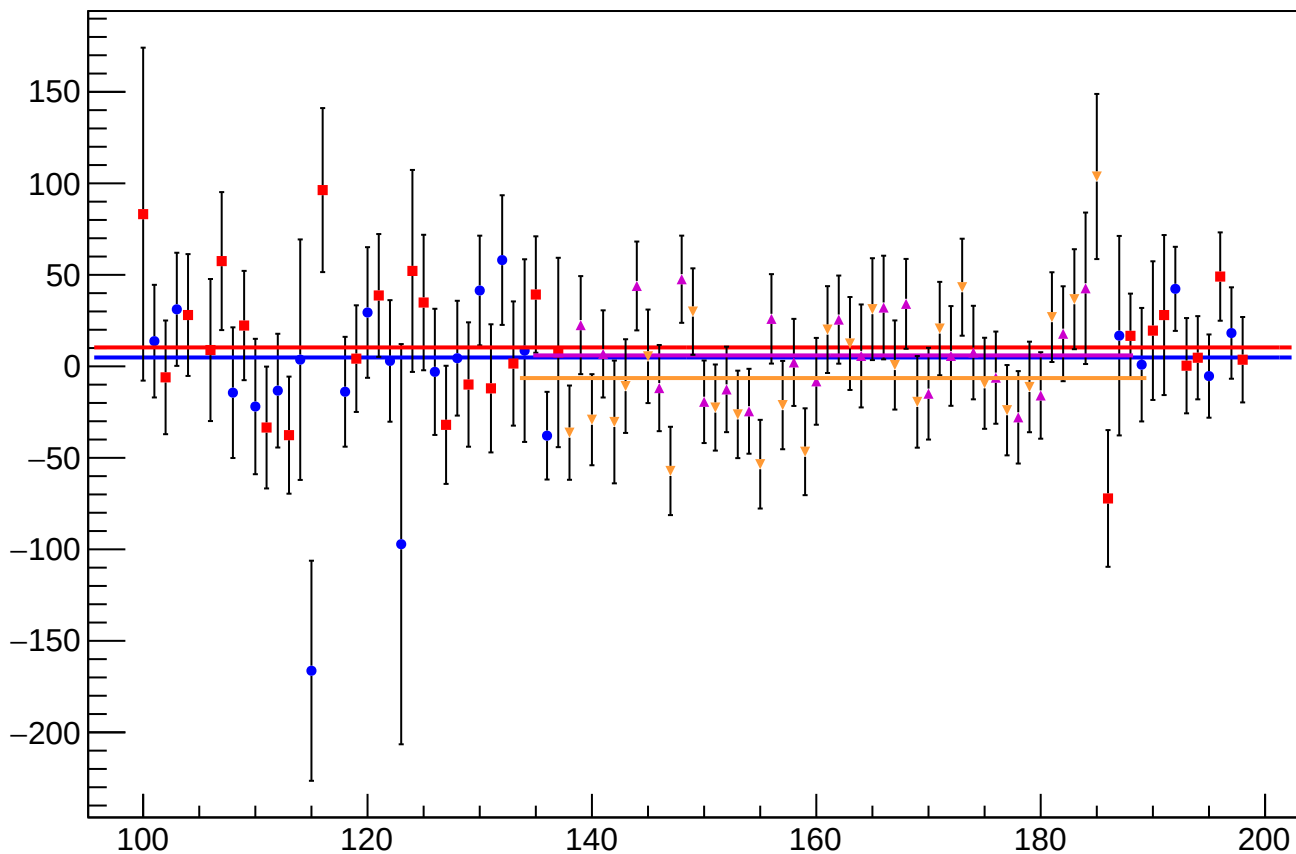
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF: 145830.9/22

+ sign 15.947 $\pm$ 0.002 χ^2 /NDF: 241955.7/46

All: 15.954 $\pm$ 0.001 χ^2 /NDF: 472242.0/96

- sign 15.961 $\pm$ 0.002 χ^2 /NDF: 230265.0/49

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.851 ± 6.940 χ^2/NDF : 22.0/21

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 10.340 ± 6.238 χ^2/NDF : 23.8/26

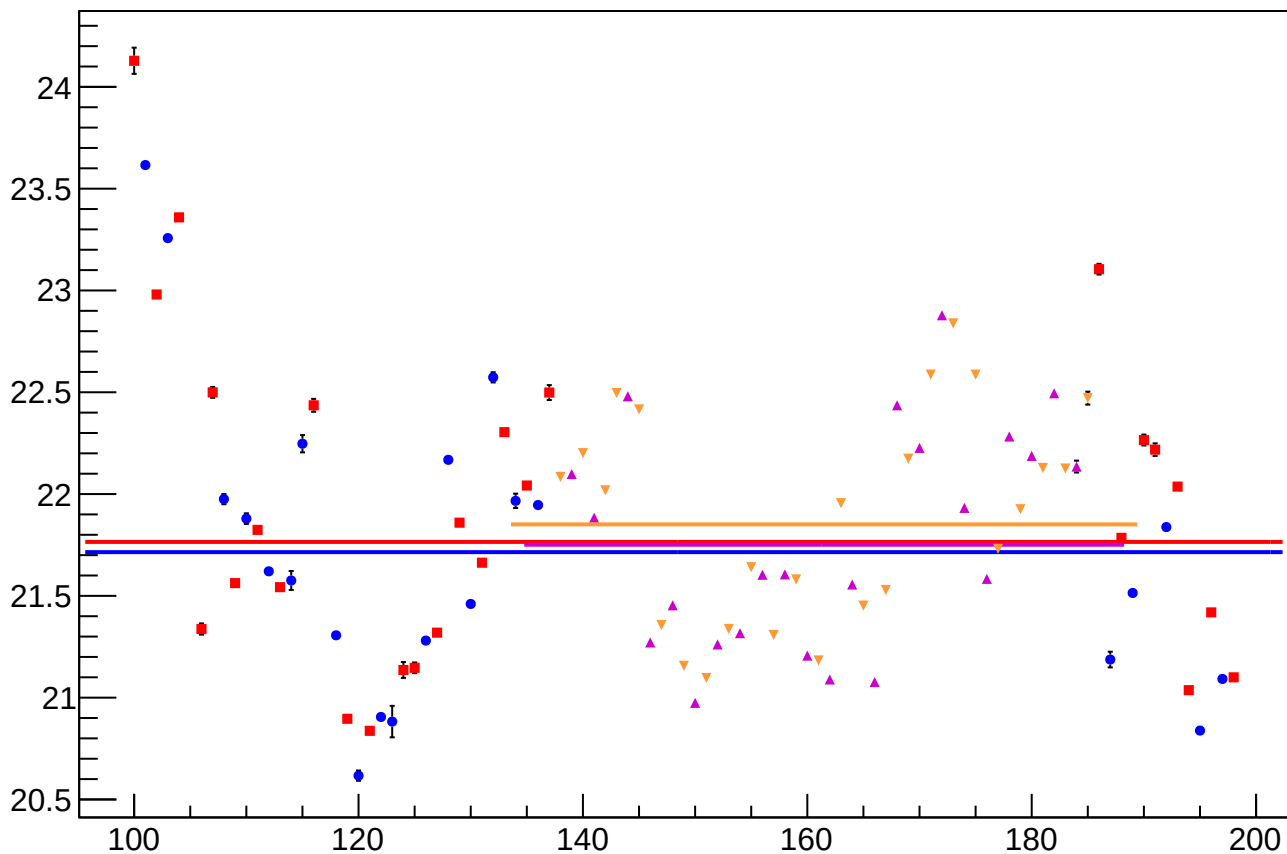
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -2.466 ± 4.105 χ^2/NDF : 61.1/46

All: 2.782 ± 2.866 χ^2/NDF : 106.9/96

- sign 7.775 ± 4.004 χ^2/NDF : 42.6/49

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.715 $\pm$ 0.005 χ^2 /NDF: 23343.8/21

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF: 19631.8/24

Right Out: 21.765 $\pm$ 0.004 χ^2 /NDF: 23680.5/26

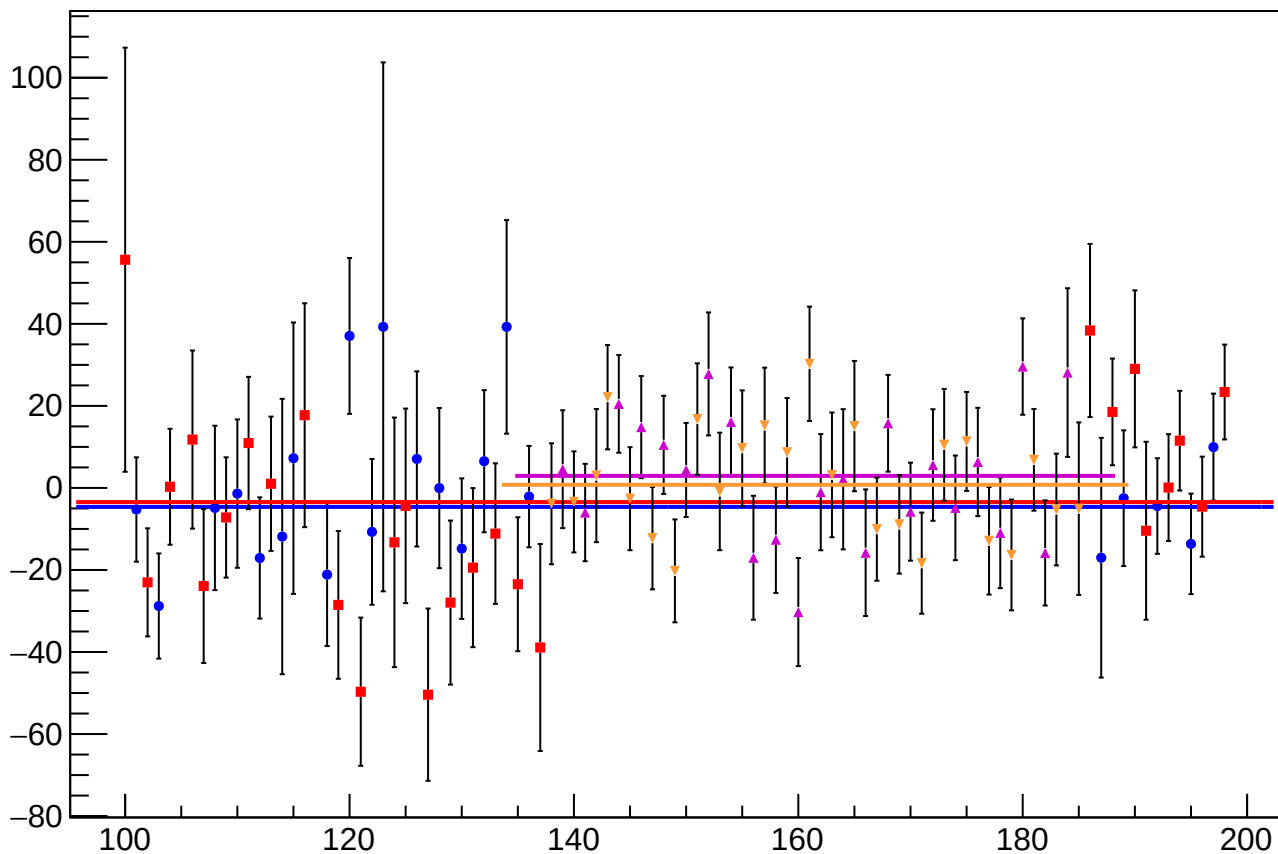
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF: 20516.3/22

+ sign 21.803 $\pm$ 0.003 χ^2 /NDF: 43477.2/46

All: 21.780 $\pm$ 0.002 χ^2 /NDF: 87811.5/96

- sign 21.757 $\pm$ 0.003 χ^2 /NDF: 44202.6/49

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.626 ± 3.581 χ^2/NDF : 16.8/21

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: -3.449 ± 3.249 χ^2/NDF : 43.0/26

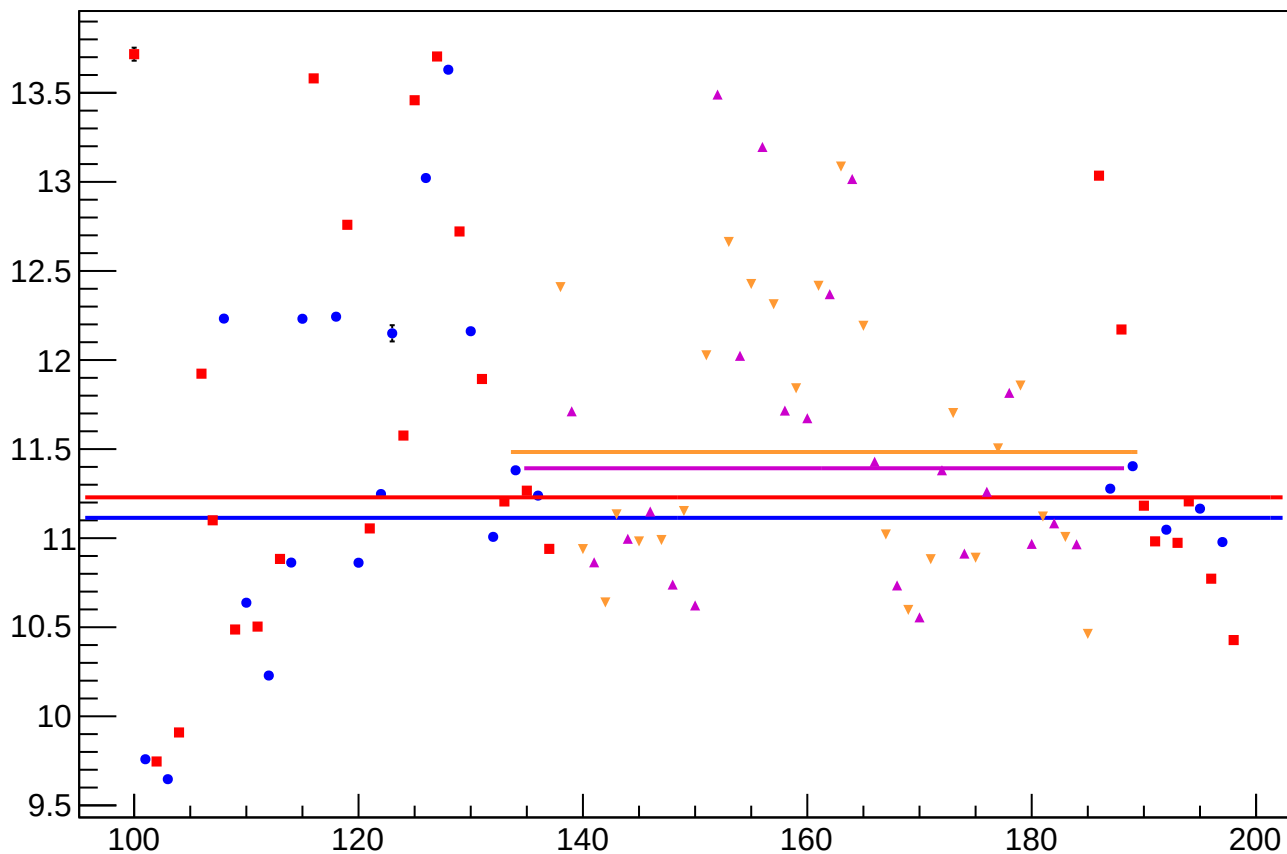
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -1.191 ± 2.155 χ^2/NDF : 42.0/46

All: -0.444 ± 1.505 χ^2/NDF : 118.4/96

- sign 0.267 ± 2.102 χ^2/NDF : 76.2/49

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.114 $\pm$ 0.003 χ^2 /NDF: 133593.3/21

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 11.229 $\pm$ 0.002 χ^2 /NDF: 187160.9/26

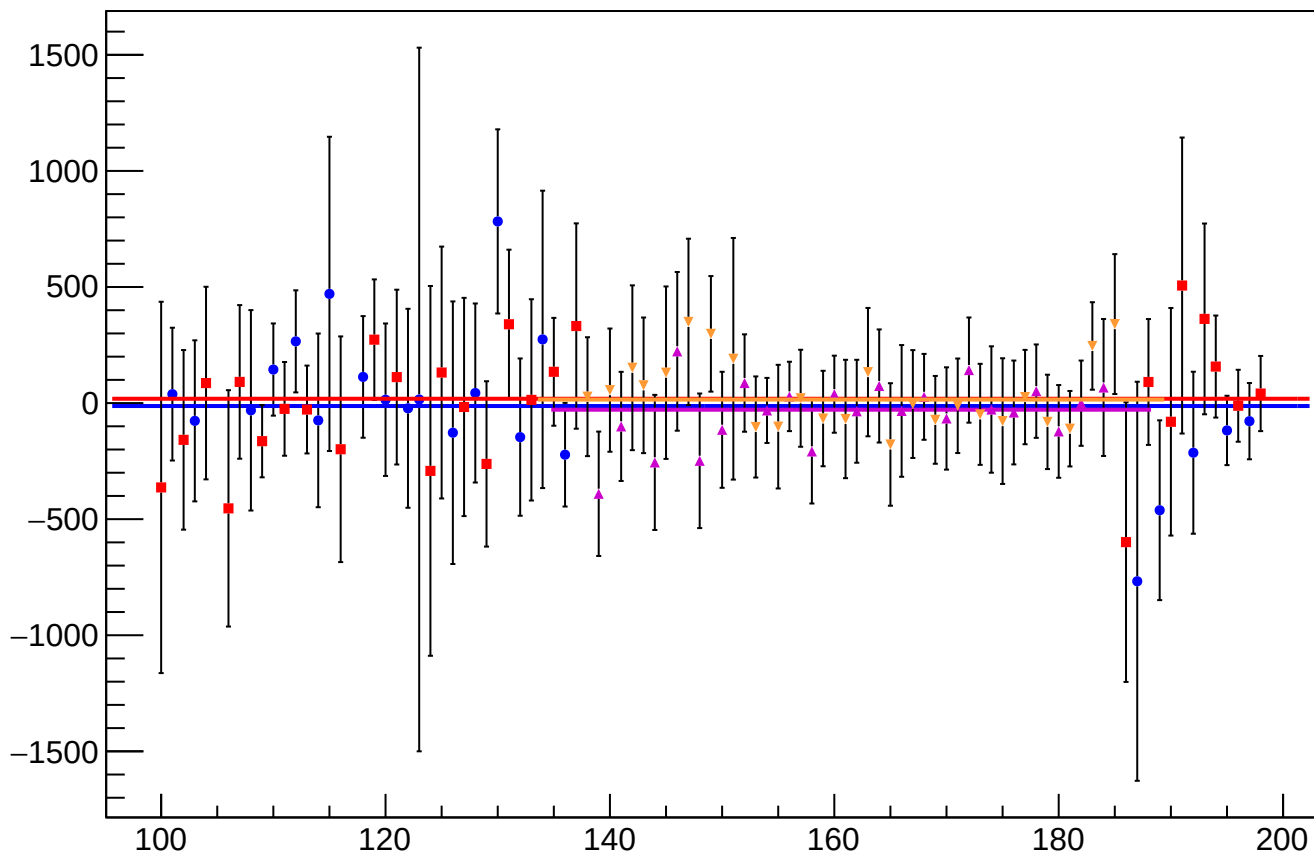
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.350 $\pm$ 0.002 χ^2 /NDF: 276989.1/46

All: 11.337 $\pm$ 0.001 χ^2 /NDF: 617724.7/96

- sign 11.324 $\pm$ 0.001 χ^2 /NDF: 340588.5/49

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -12.680 ± 62.429 $\chi^2/\text{NDF}: 11.5/21$

Left Out: 15.130 ± 47.705 $\chi^2/\text{NDF}: 8.0/24$

Right Out: 18.666 ± 54.852 $\chi^2/\text{NDF}: 9.6/26$

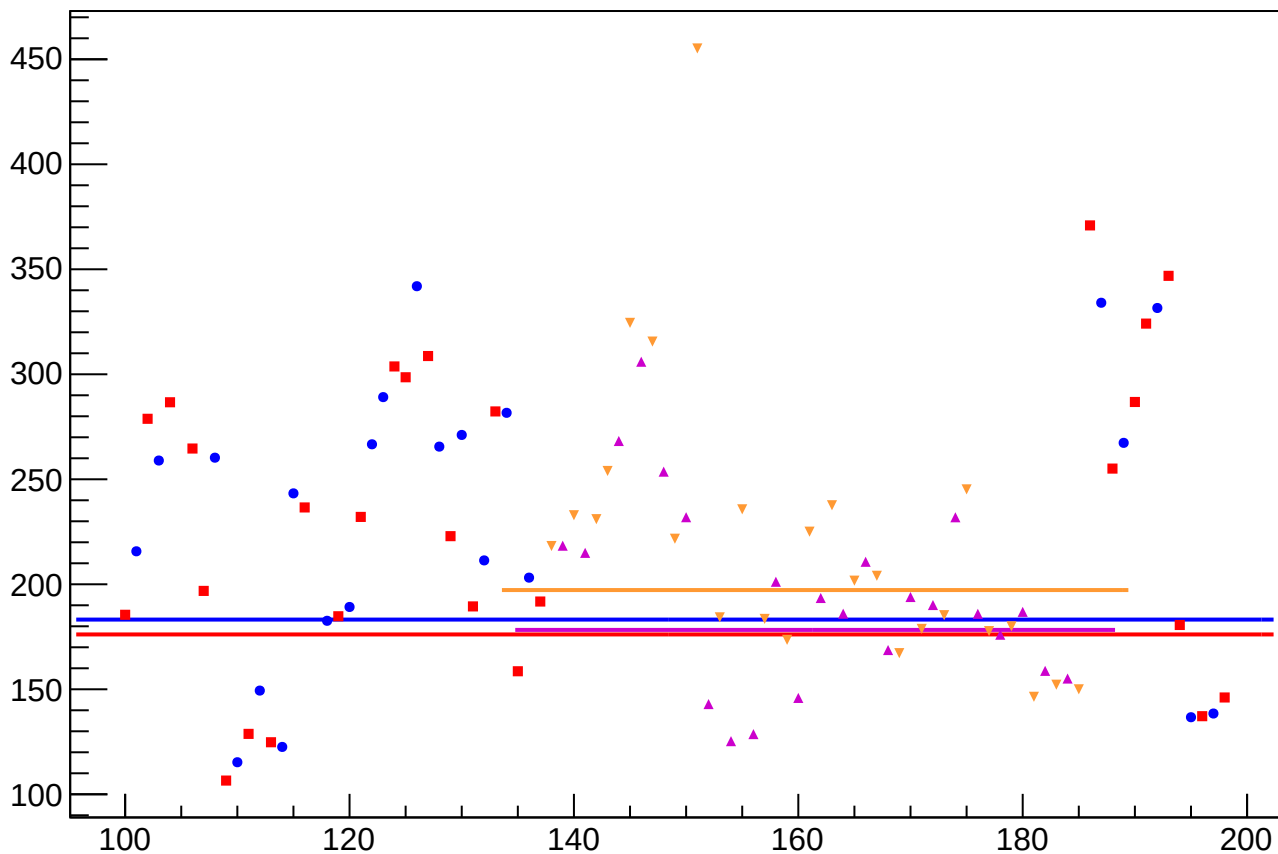
Left In: -28.500 ± 44.797 $\chi^2/\text{NDF}: 6.4/22$

+ sign 4.878 ± 37.905 $\chi^2/\text{NDF}: 19.6/46$

All: -3.015 ± 25.593 $\chi^2/\text{NDF}: 36.1/96$

- sign -9.629 ± 34.696 $\chi^2/\text{NDF}: 16.4/49$

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 183.193 $\pm$ 0.044 χ^2 /NDF: 1905421.7/21

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF:1786808.1/24

Right Out: 176.115 $\pm$ 0.039 χ^2 /NDF: 2700246.1/26

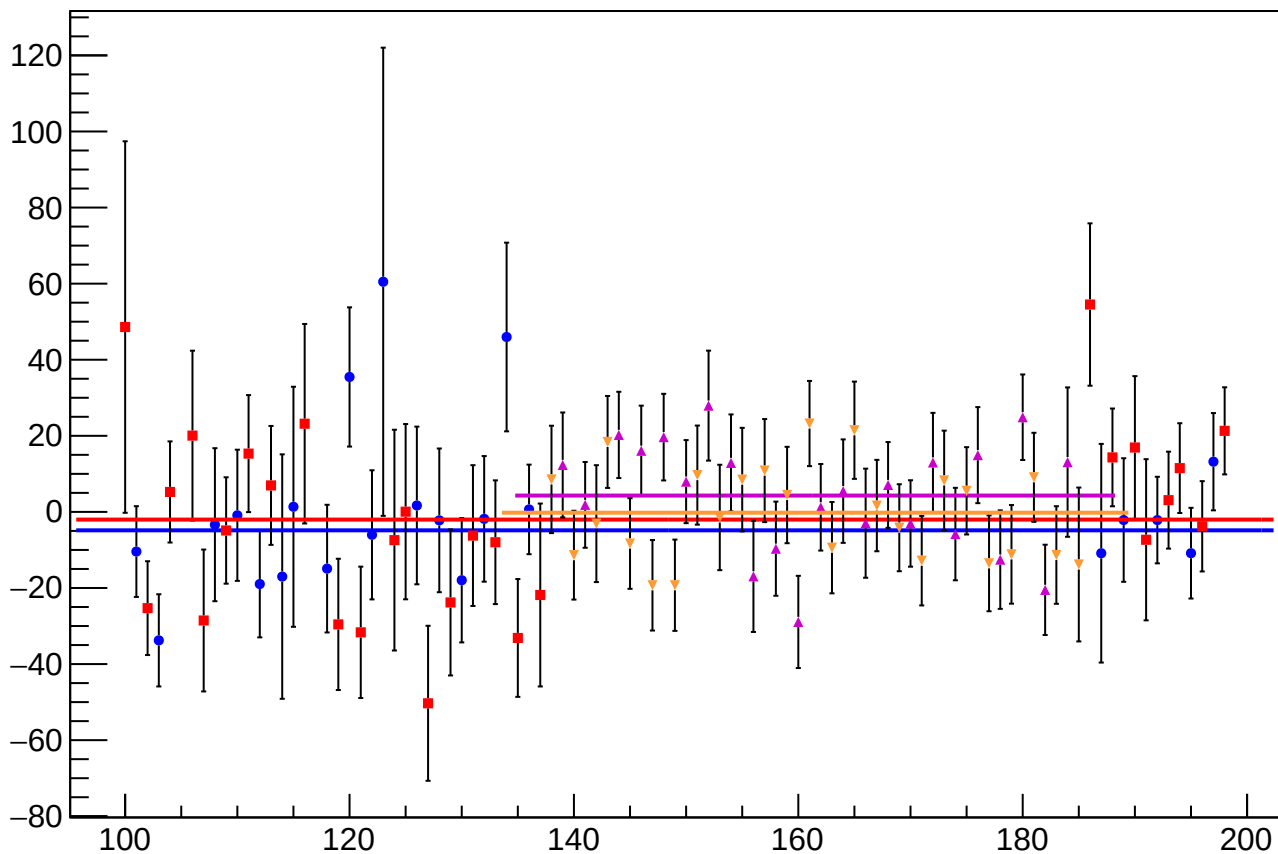
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF:1628916.6/22

+ sign 192.067 $\pm$ 0.027 χ^2 /NDF: 3756242.3/46

All: 184.093 $\pm$ 0.018 χ^2 /NDF: 8249941.3/96

- sign 177.412 $\pm$ 0.025 χ^2 /NDF: 4331026.0/49

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -4.845 ± 3.445 χ^2/NDF : 21.1/21

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -2.021 ± 3.141 χ^2/NDF : 43.2/26

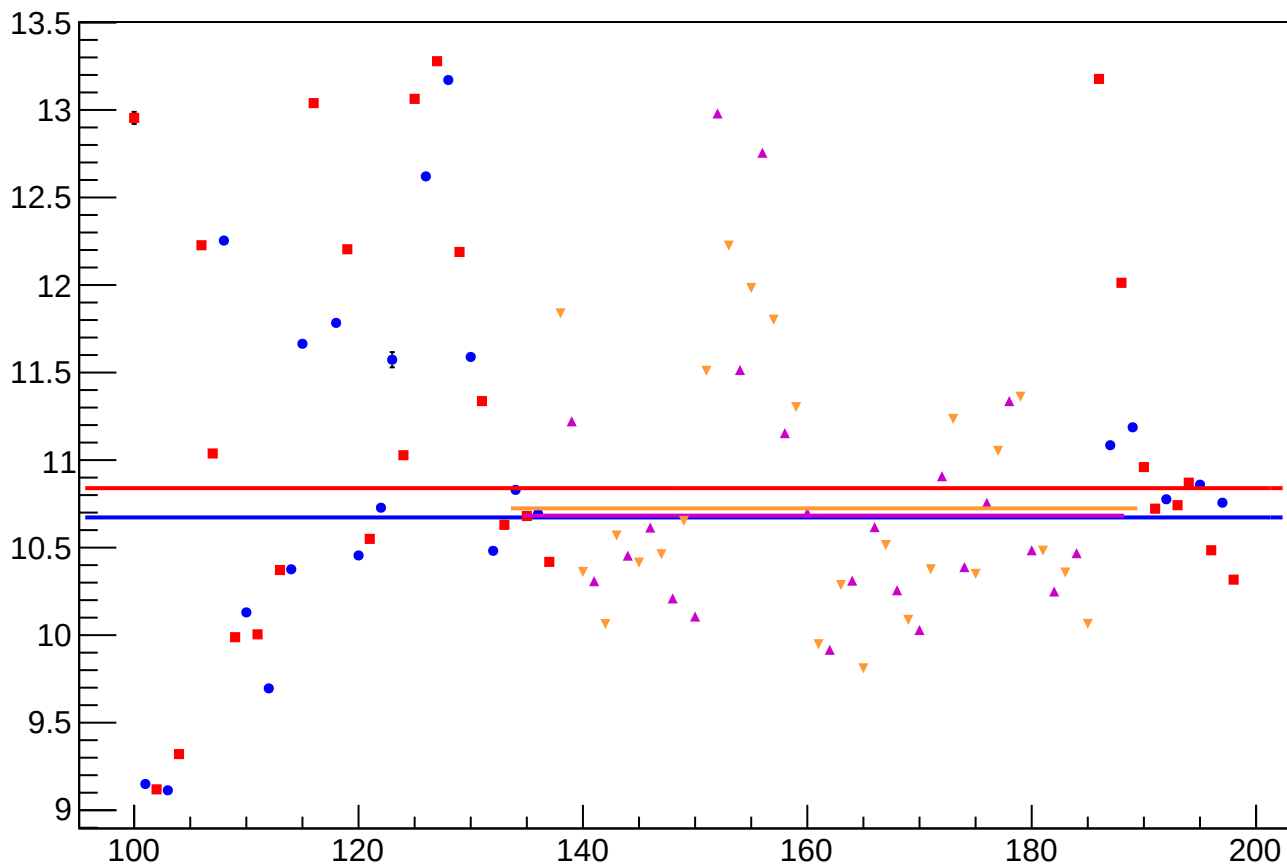
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -1.829 ± 2.036 χ^2/NDF : 46.8/46

All: -0.010 ± 1.426 χ^2/NDF : 125.6/96

- sign 1.742 ± 1.998 χ^2/NDF : 77.2/49

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.672 ± 0.002 χ^2/NDF : 163867.7/21

Left Out: 10.724 ± 0.002 χ^2/NDF : 132558.9/24

Right Out: 10.840 ± 0.002 χ^2/NDF : 225790.1/26

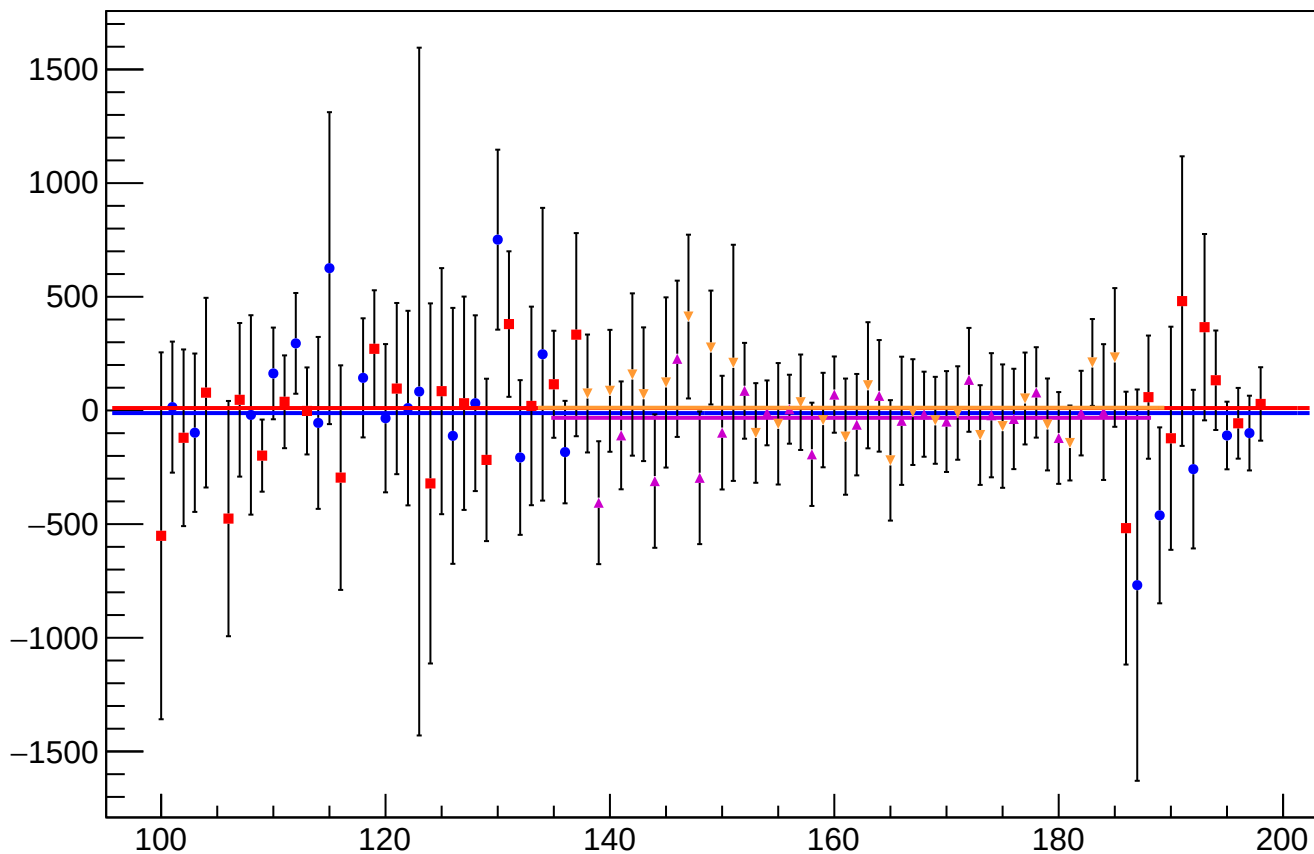
Left In: 10.683 ± 0.002 χ^2/NDF : 147835.6/22

+ sign 10.706 ± 0.001 χ^2/NDF : 296720.8/46

All: 10.726 ± 0.001 χ^2/NDF : 673713.4/96

- sign 10.746 ± 0.001 χ^2/NDF : 376599.1/49

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -11.606 ± 62.643 χ^2/NDF : 12.1/21

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 10.621 ± 55.166 χ^2/NDF : 10.1/26

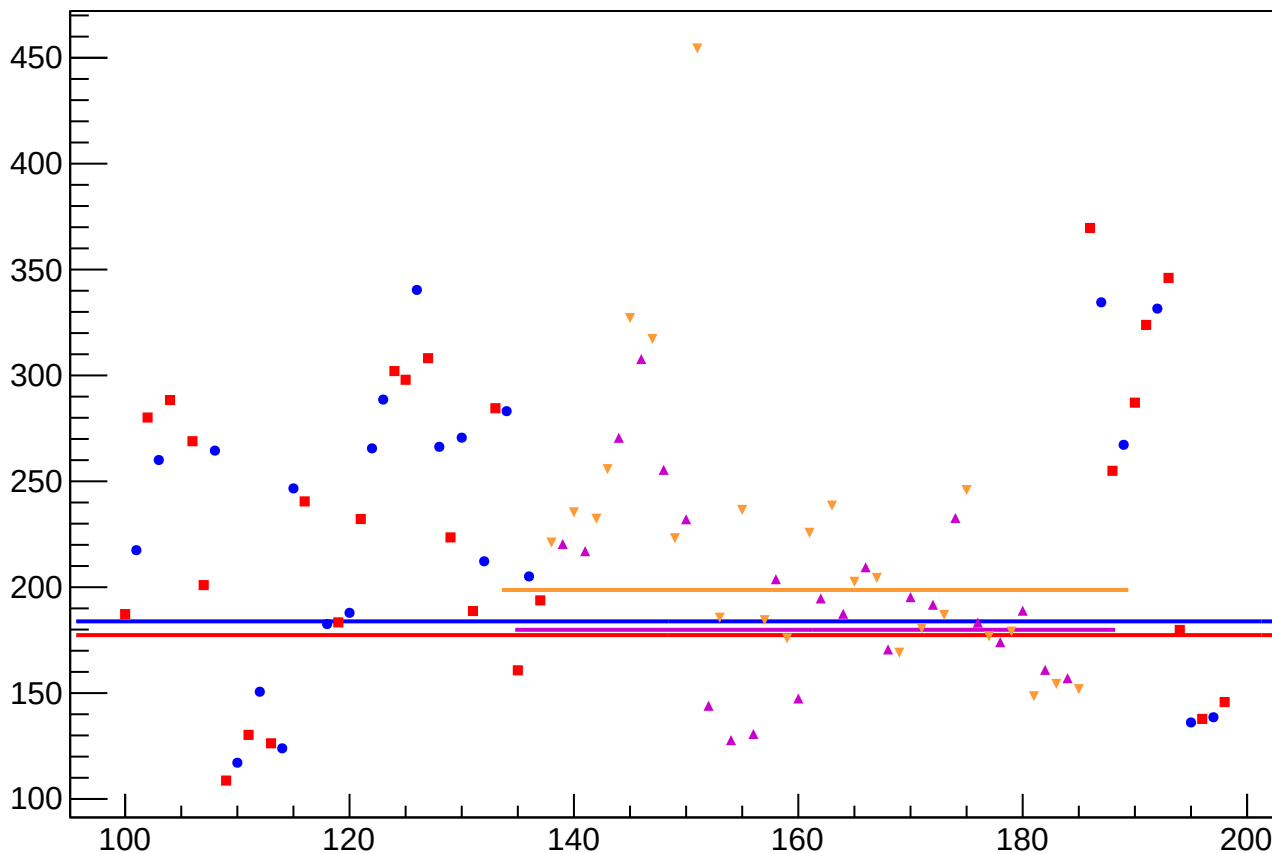
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign 3.193 ± 38.112 χ^2/NDF : 19.9/46

All: -6.772 ± 25.756 χ^2/NDF : 37.4/96

- sign -15.148 ± 34.942 χ^2/NDF : 17.3/49

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 183.869 $\pm$ 0.044 χ^2 /NDF: 1895472.0/21

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF:1759311.9/24

Right Out: 177.381 $\pm$ 0.039 χ^2 /NDF: 2647723.3/26

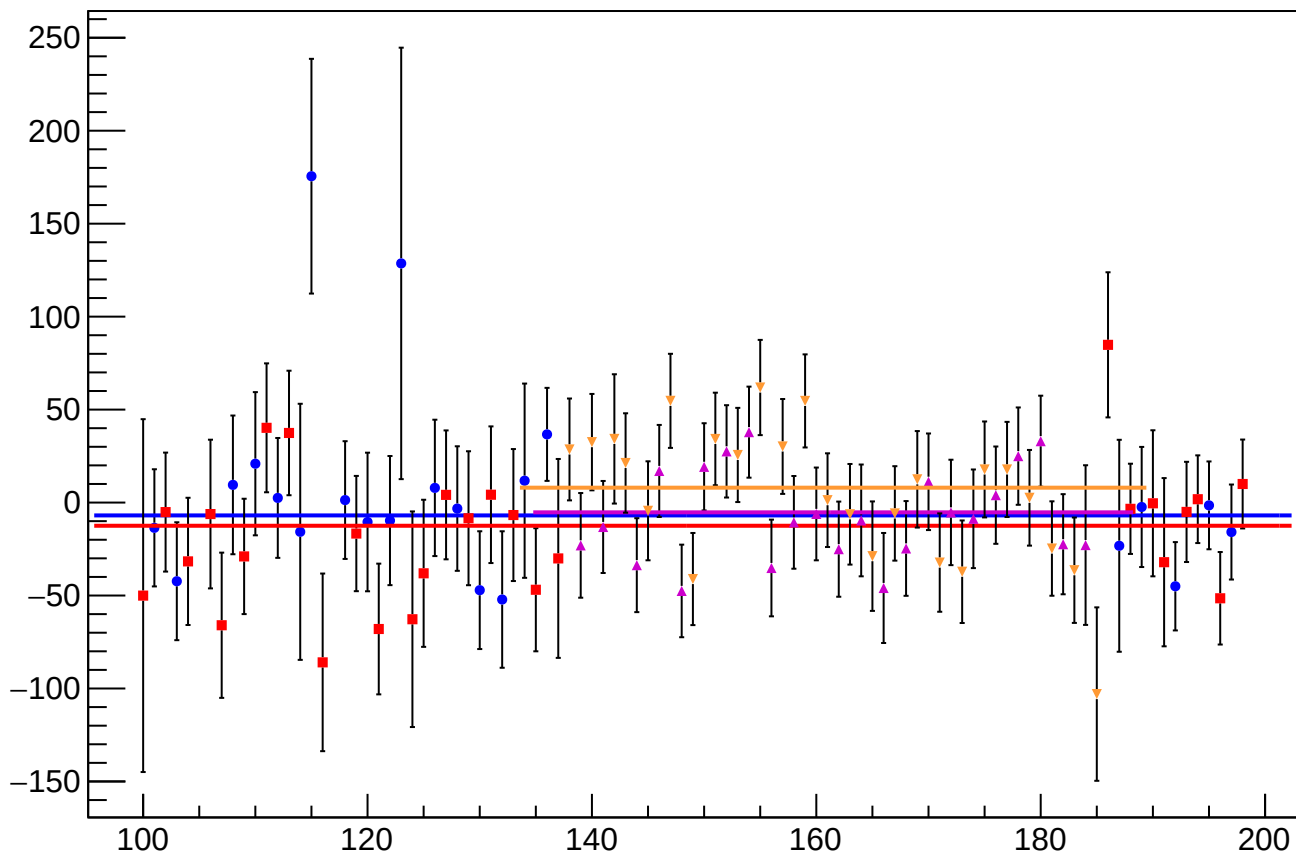
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

+ sign 193.207 $\pm$ 0.027 χ^2 /NDF: 3725342.2/46

All: 185.424 $\pm$ 0.018 χ^2 /NDF: 8109707.4/96

- sign 178.881 $\pm$ 0.025 χ^2 /NDF: 4230829.7/49

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.912 ± 7.228 χ^2/NDF : 21.2/21

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

Right Out: -12.473 ± 6.504 χ^2/NDF : 25.4/26

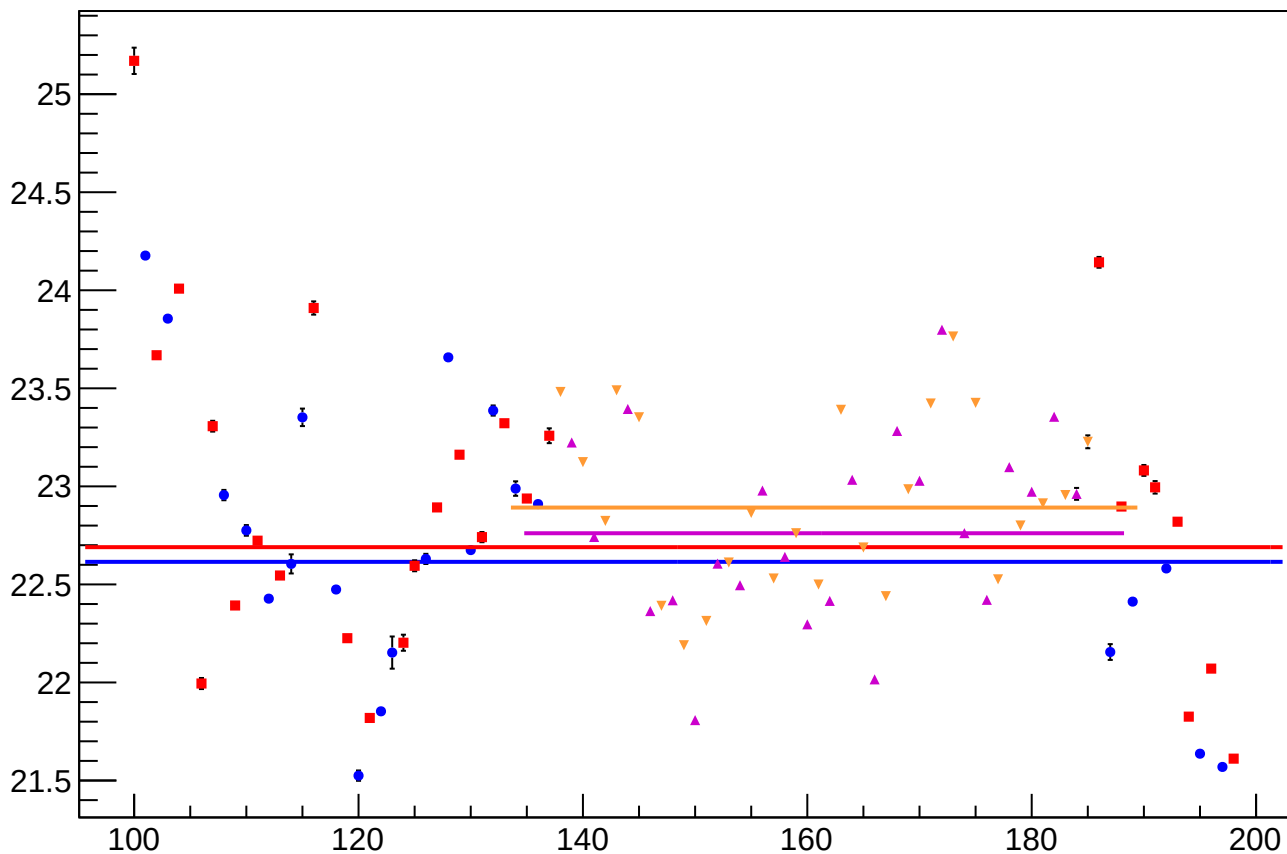
Left In: -5.261 ± 5.465 χ^2/NDF : 20.8/22

+ sign 2.745 ± 4.292 χ^2/NDF : 61.4/46

All: -2.890 ± 2.996 χ^2/NDF : 111.6/96

- sign -8.245 ± 4.184 χ^2/NDF : 46.9/49

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.615 ± 0.005 χ^2/NDF : 21469.5/21

Left Out: 22.892 ± 0.004 χ^2/NDF : 12995.5/24

Right Out: 22.690 ± 0.005 χ^2/NDF : 23301.0/26

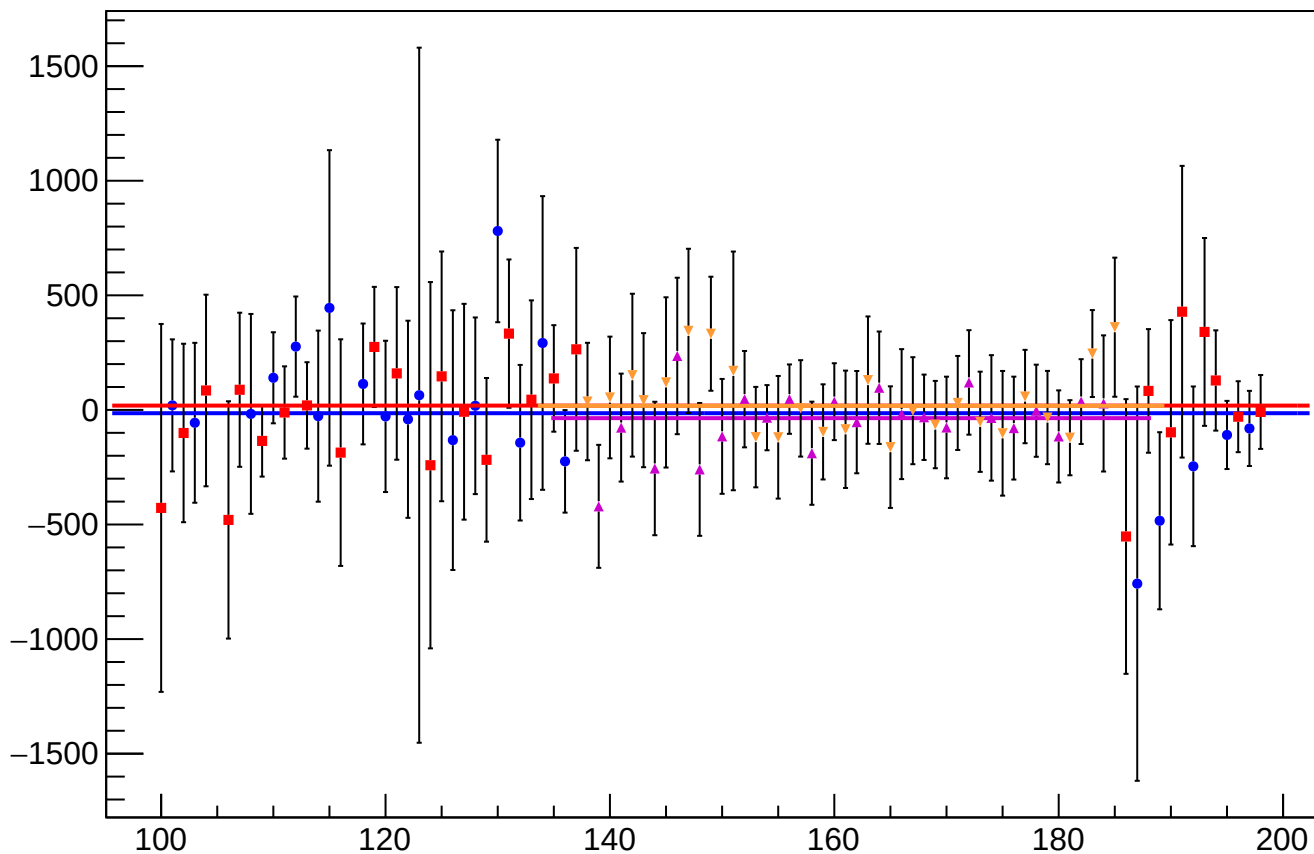
Left In: 22.761 ± 0.004 χ^2/NDF : 14550.0/22

+ sign 22.794 ± 0.003 χ^2/NDF : 36364.2/46

All: 22.762 ± 0.002 χ^2/NDF : 74574.0/96

- sign 22.732 ± 0.003 χ^2/NDF : 37990.6/49

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -14.327 ± 62.450 χ^2/NDF : 11.6/21

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: 18.849 ± 54.866 χ^2/NDF : 8.2/26

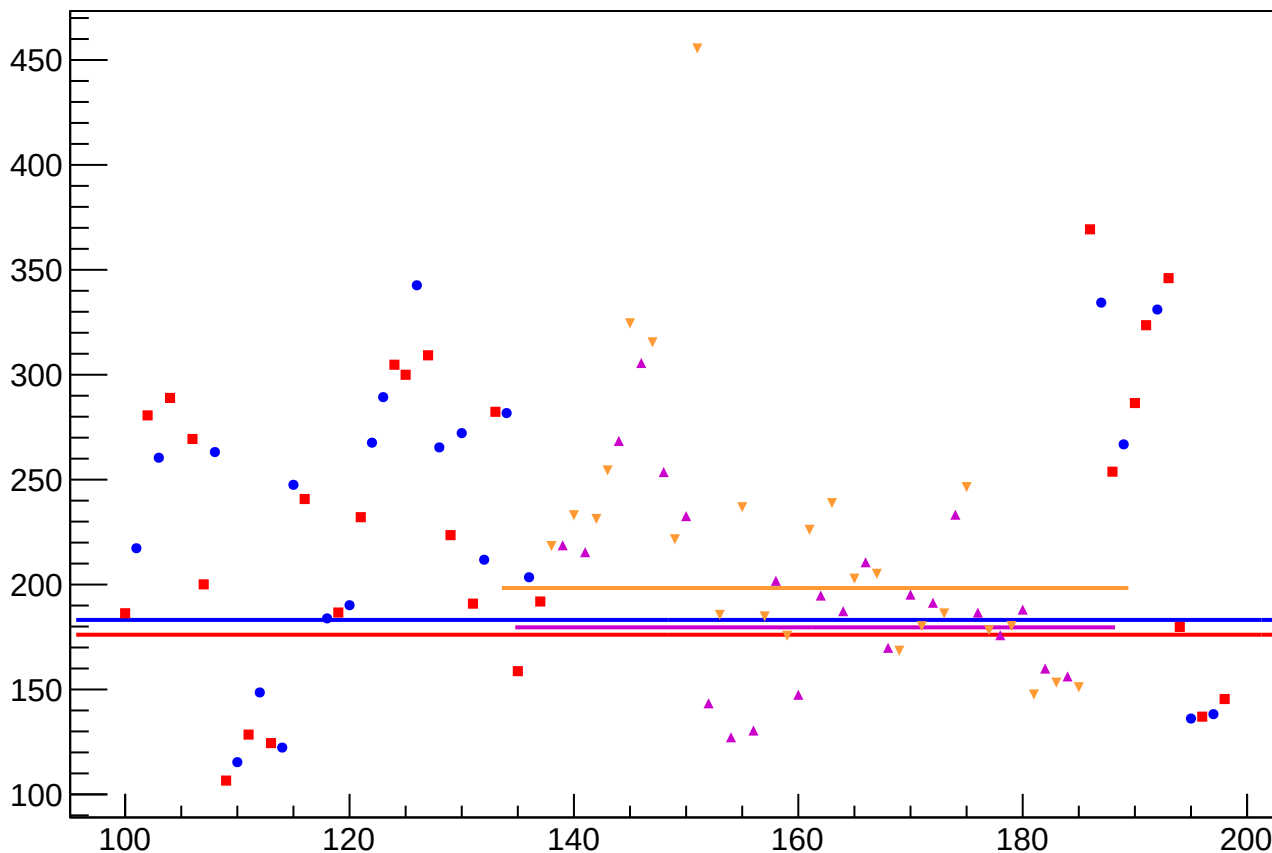
Left In: -35.879 ± 45.087 χ^2/NDF : 6.3/22

+ sign 5.873 ± 38.028 χ^2/NDF : 20.3/46

All: -4.834 ± 25.687 χ^2/NDF : 35.6/96

- sign -13.818 ± 34.834 χ^2/NDF : 15.1/49

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 183.150 $\pm$ 0.044 χ^2 /NDF: 1928457.4/21

Left Out: 198.344 $\pm$ 0.034 χ^2 /NDF: 1757450.6/24

Right Out: 176.090 $\pm$ 0.039 χ^2 /NDF: 2723190.0/26

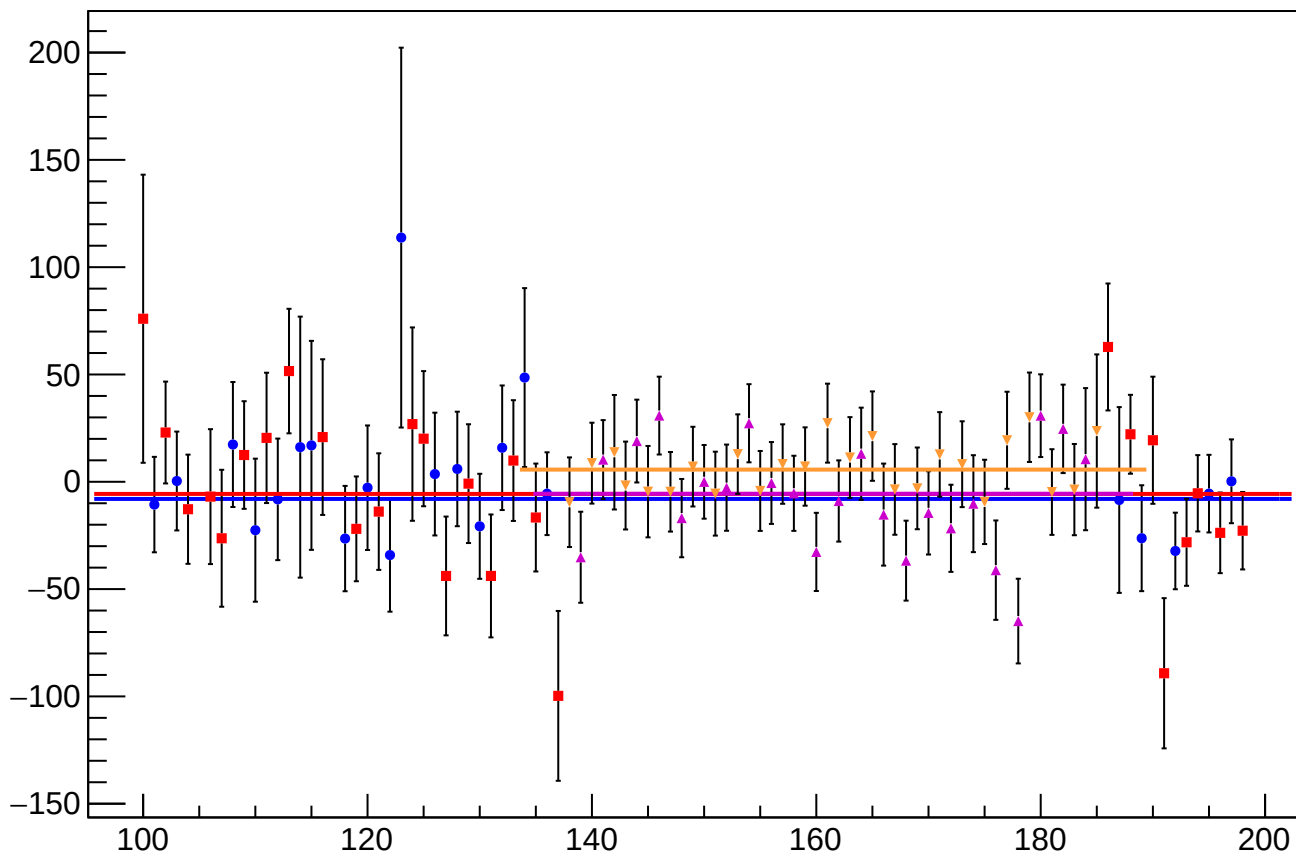
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF: 1575744.0/22

+ sign 192.710 $\pm$ 0.027 χ^2 /NDF: 3760397.8/46

All: 184.814 $\pm$ 0.018 χ^2 /NDF: 8222807.6/96

- sign 178.188 $\pm$ 0.025 χ^2 /NDF: 4303832.8/49

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -7.986 $\pm$ 5.583 χ^2/NDF : 10.8/21

Left Out: 5.680 $\pm$ 4.024 χ^2/NDF : 7.7/24

Right Out: -5.652 $\pm$ 5.027 χ^2/NDF : 37.8/26

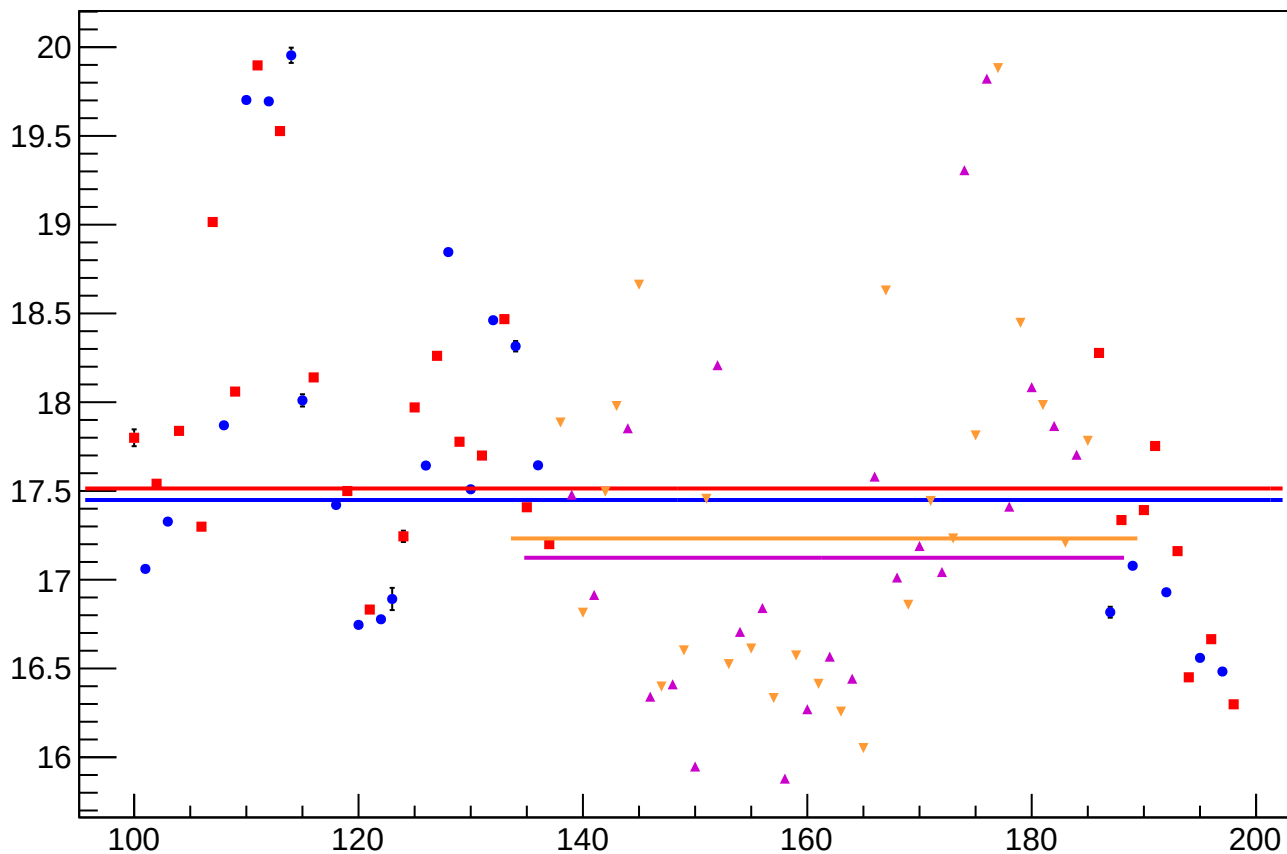
Left In: -5.595 $\pm$ 4.121 χ^2/NDF : 36.4/22

+ sign 1.009 $\pm$ 3.264 χ^2/NDF : 22.5/46

All: -2.384 $\pm$ 2.280 χ^2/NDF : 98.9/96

- sign -5.618 $\pm$ 3.187 χ^2/NDF : 74.2/49

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.449 $\pm$ 0.004 χ^2 /NDF: 50407.8/21

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF:98701.0/24

Right Out: 17.514 $\pm$ 0.004 χ^2 /NDF: 56883.4/26

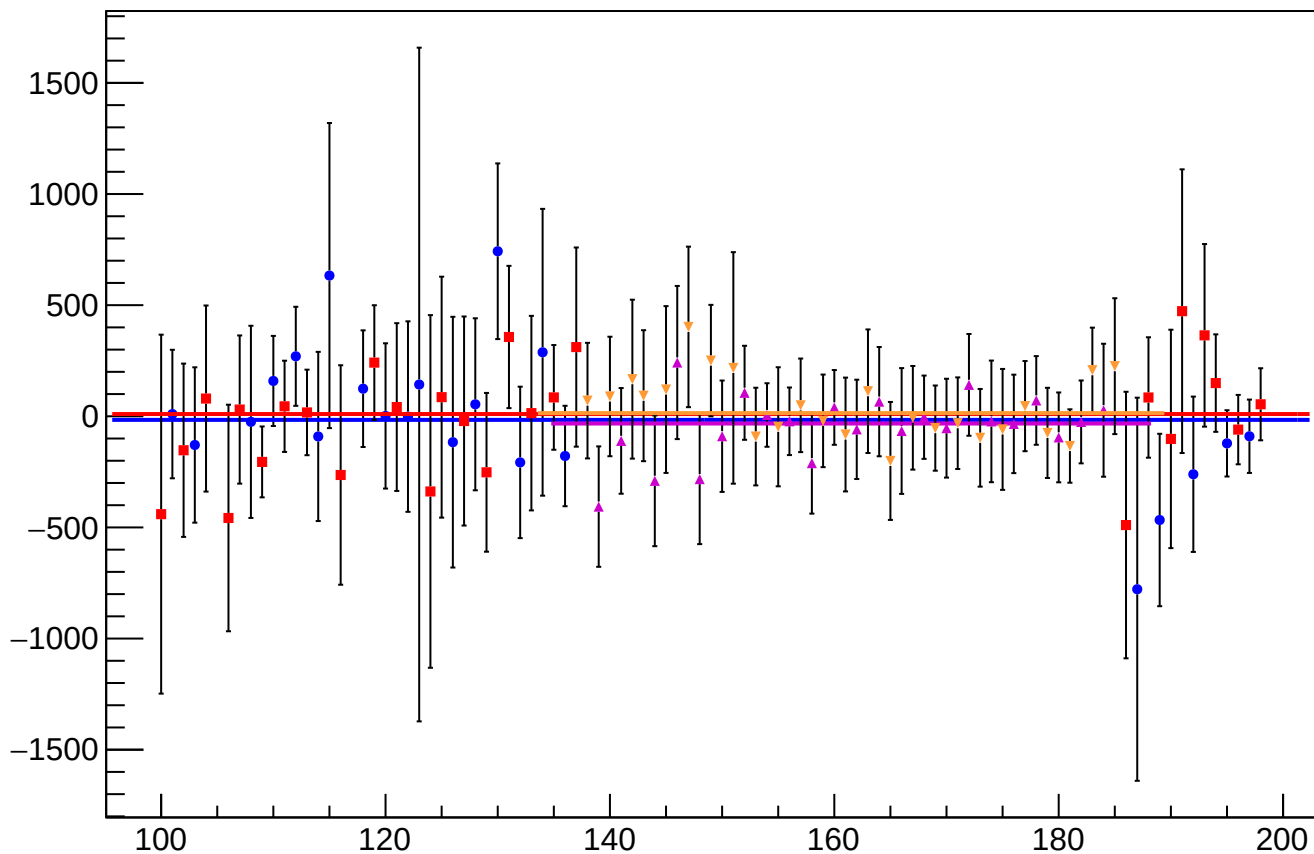
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF:100747.0/22

+ sign 17.307 $\pm$ 0.002 χ^2 /NDF: 151091.3/46

All: 17.293 $\pm$ 0.002 χ^2 /NDF: 315993.6/96

- sign 17.281 $\pm$ 0.002 χ^2 /NDF: 164837.7/49

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -16.082 ± 62.810 χ^2/NDF : 11.9/21

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 10.106 ± 55.298 χ^2/NDF : 9.6/26

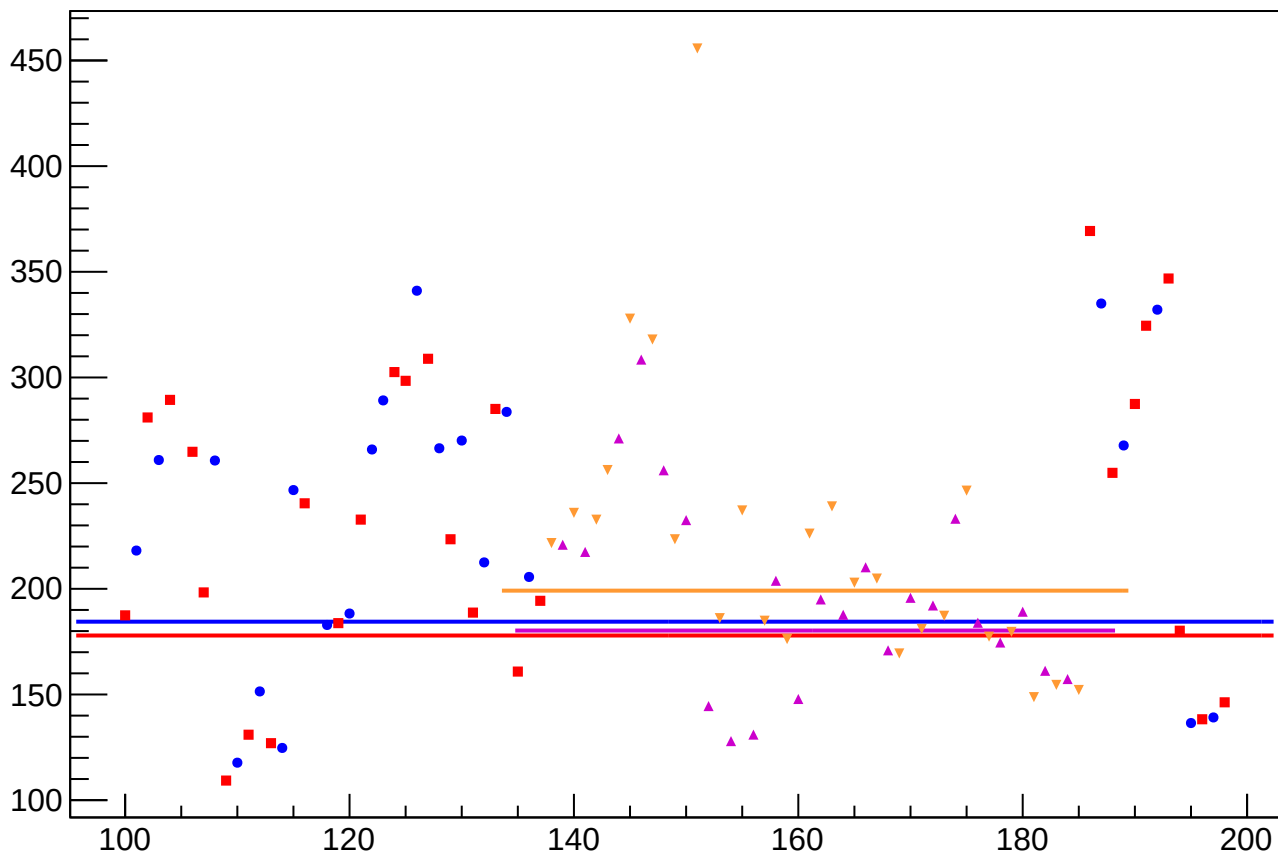
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign 3.099 ± 38.203 χ^2/NDF : 19.0/46

All: -6.984 ± 25.814 χ^2/NDF : 35.7/96

- sign -15.456 ± 35.018 χ^2/NDF : 16.6/49

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 184.447 $\pm$ 0.044 χ^2 /NDF: 1878352.1/21

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF: 1760298.1/24

Right Out: 177.904 $\pm$ 0.039 χ^2 /NDF: 2623500.3/26

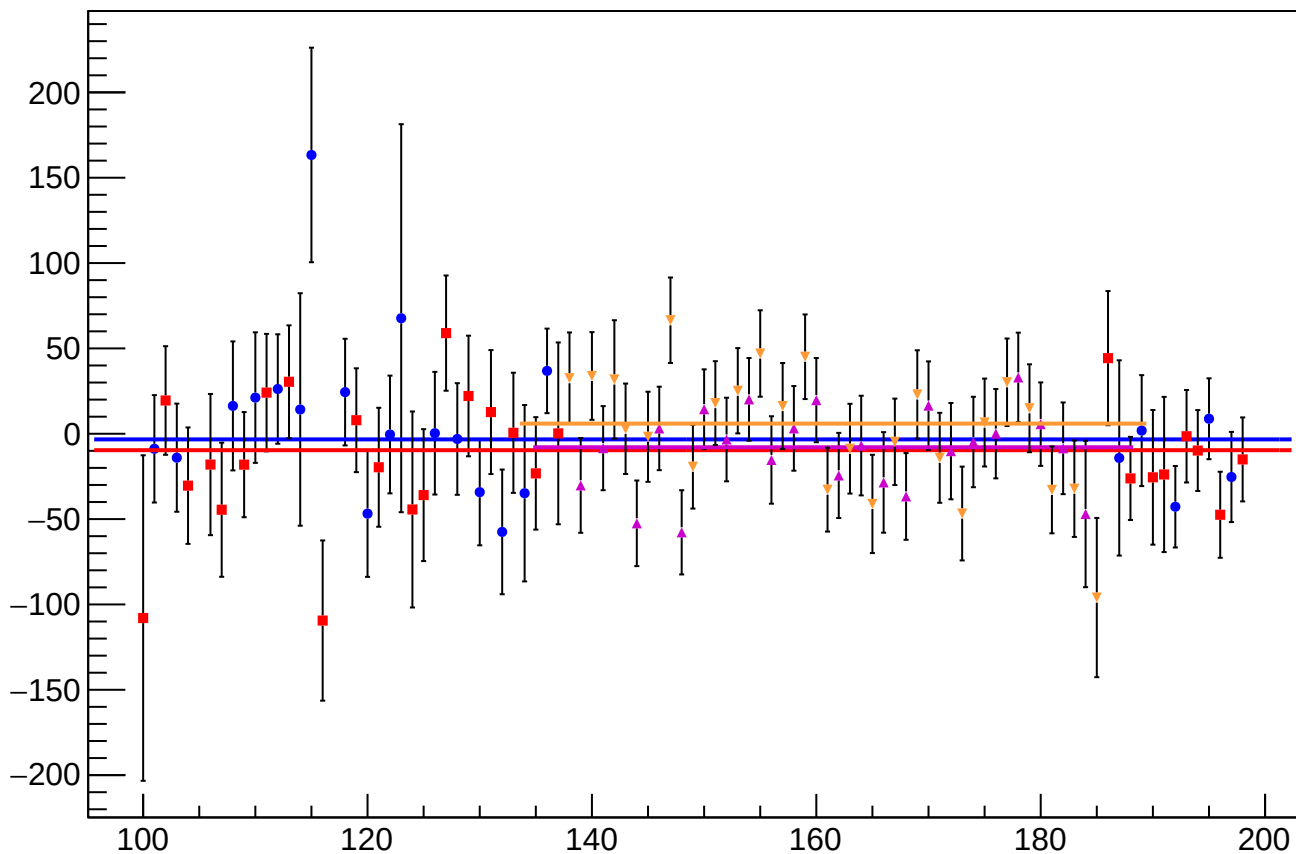
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF: 1580553.5/22

+ sign 193.702 $\pm$ 0.027 χ^2 /NDF: 3707565.4/46

All: 185.883 $\pm$ 0.018 χ^2 /NDF: 8067960.5/96

- sign 179.313 $\pm$ 0.025 χ^2 /NDF: 4206221.8/49

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.304 ± 7.214 χ^2/NDF : 21.3/21

Left Out: 5.937 ± 5.285 χ^2/NDF : 36.1/24

Right Out: -9.629 ± 6.497 χ^2/NDF : 22.0/26

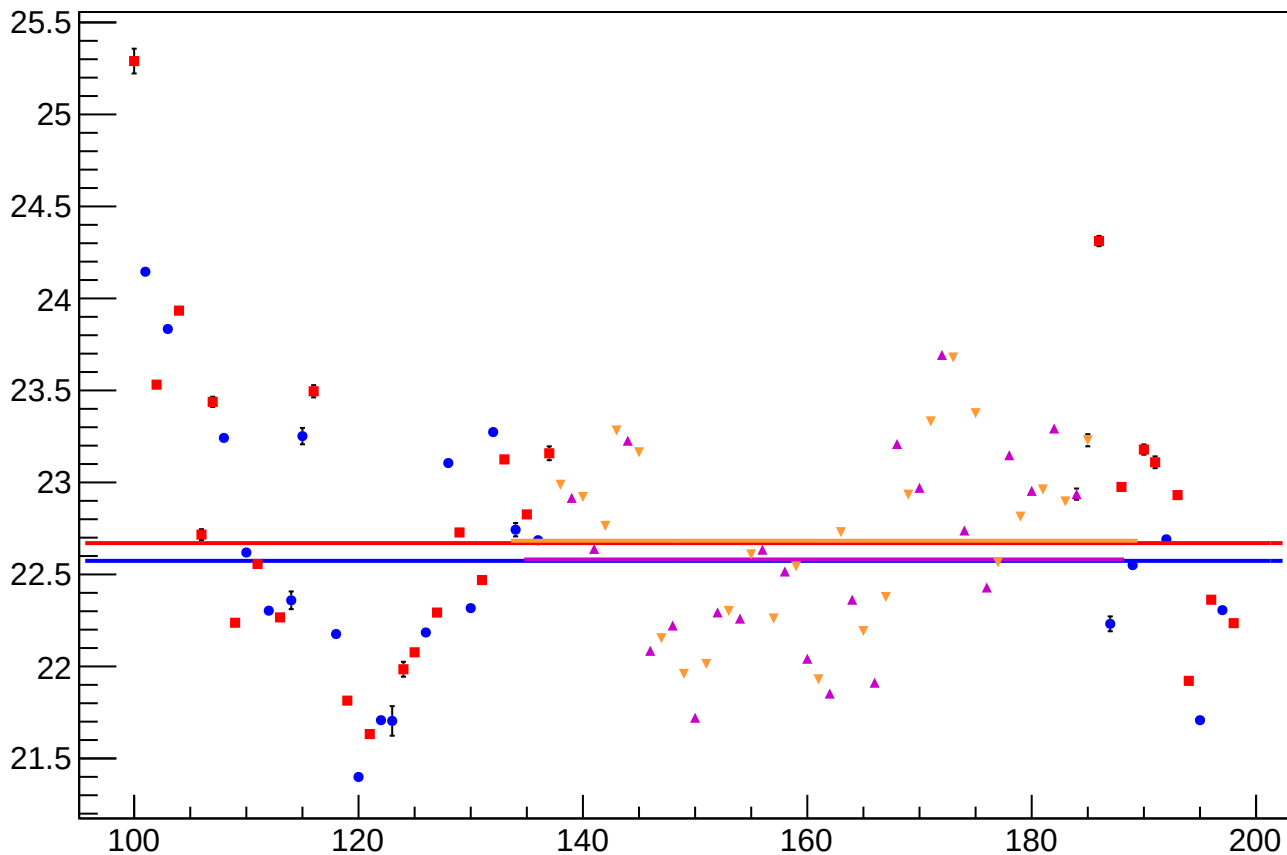
Left In: -7.915 ± 5.422 χ^2/NDF : 18.7/22

+ sign 2.710 ± 4.263 χ^2/NDF : 58.5/46

All: -3.090 ± 2.978 χ^2/NDF : 102.8/96

- sign -8.619 ± 4.163 χ^2/NDF : 40.7/49

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.574 $\pm$ 0.005 χ^2 /NDF: 17580.9/21

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16320.2/24

Right Out: 22.670 $\pm$ 0.005 χ^2 /NDF: 20226.6/26

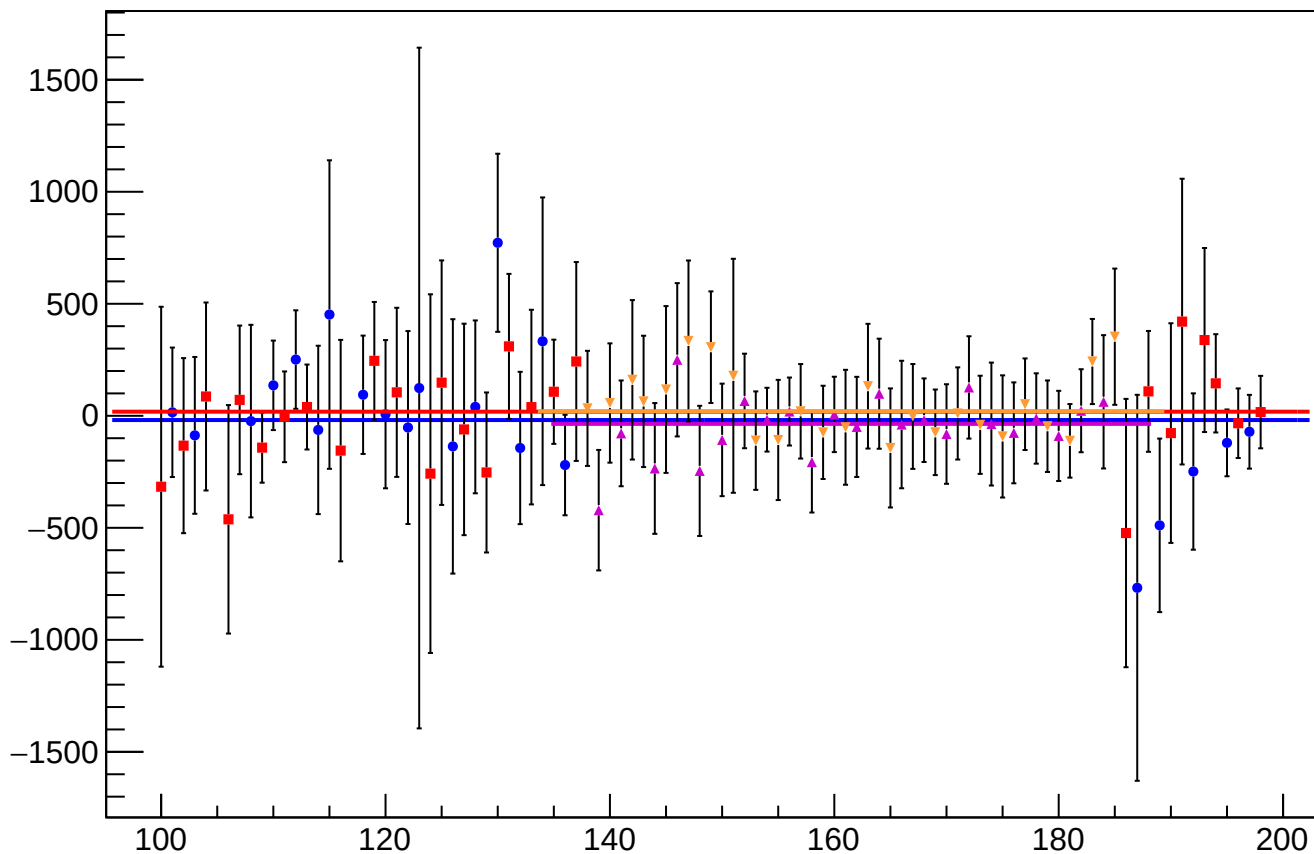
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF: 17904.5/22

+ sign 22.645 $\pm$ 0.003 χ^2 /NDF: 34199.9/46

All: 22.631 $\pm$ 0.002 χ^2 /NDF: 72593.7/96

- sign 22.618 $\pm$ 0.003 χ^2 /NDF: 38352.1/49

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -18.926 ± 62.619 $\chi^2/\text{NDF}: 11.3/21$

Left Out: 20.306 ± 48.049 $\chi^2/\text{NDF}: 7.7/24$

Right Out: 18.414 ± 55.001 $\chi^2/\text{NDF}: 7.7/26$

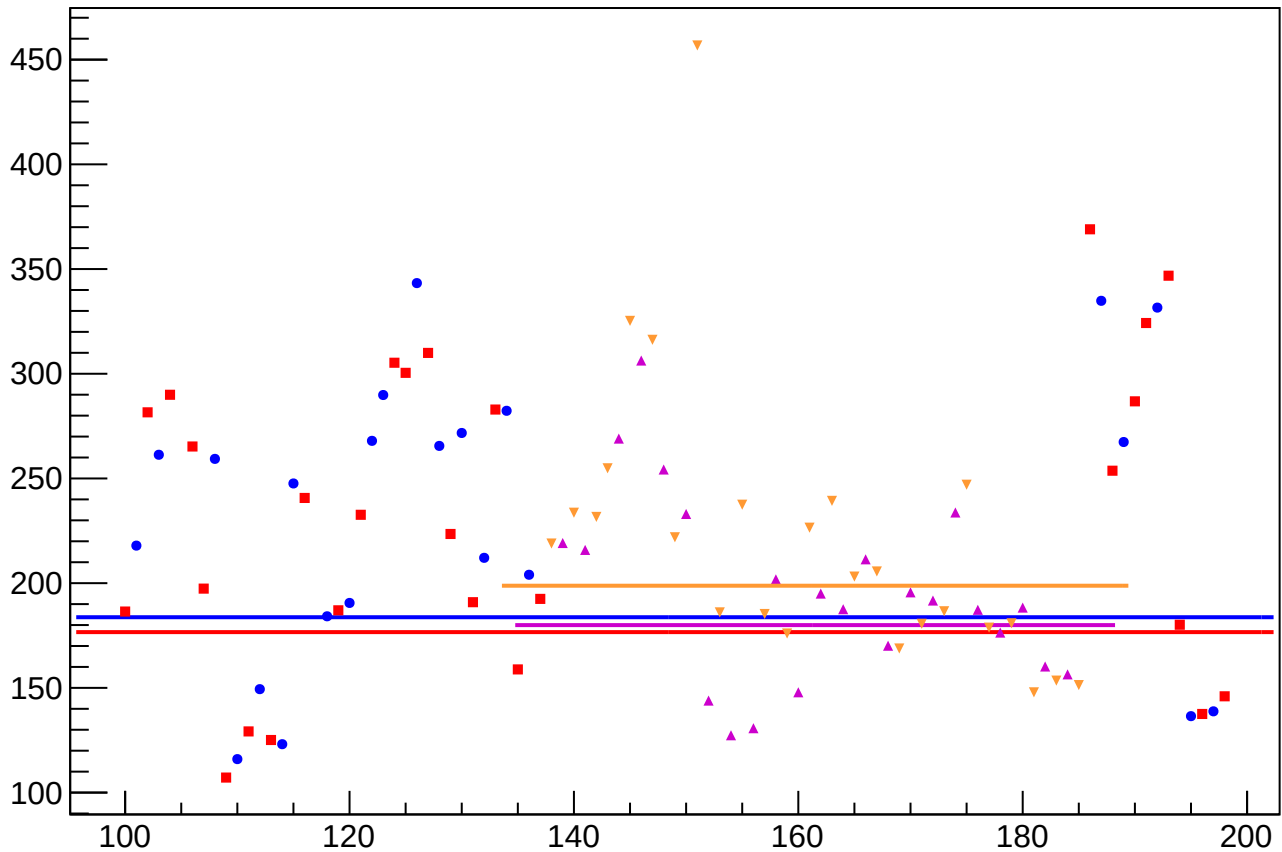
Left In: -35.996 ± 45.180 $\chi^2/\text{NDF}: 6.1/22$

+ sign 5.767 ± 38.120 $\chi^2/\text{NDF}: 19.3/46$

All: -5.023 ± 25.746 $\chi^2/\text{NDF}: 33.8/96$

- sign -14.074 ± 34.911 $\chi^2/\text{NDF}: 14.3/49$

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 183.736 $\pm$ 0.044 χ^2 /NDF: 1910673.6/21

Left Out: 198.784 $\pm$ 0.034 χ^2 /NDF:1758481.8/24

Right Out: 176.625 $\pm$ 0.039 χ^2 /NDF: 2697946.6/26

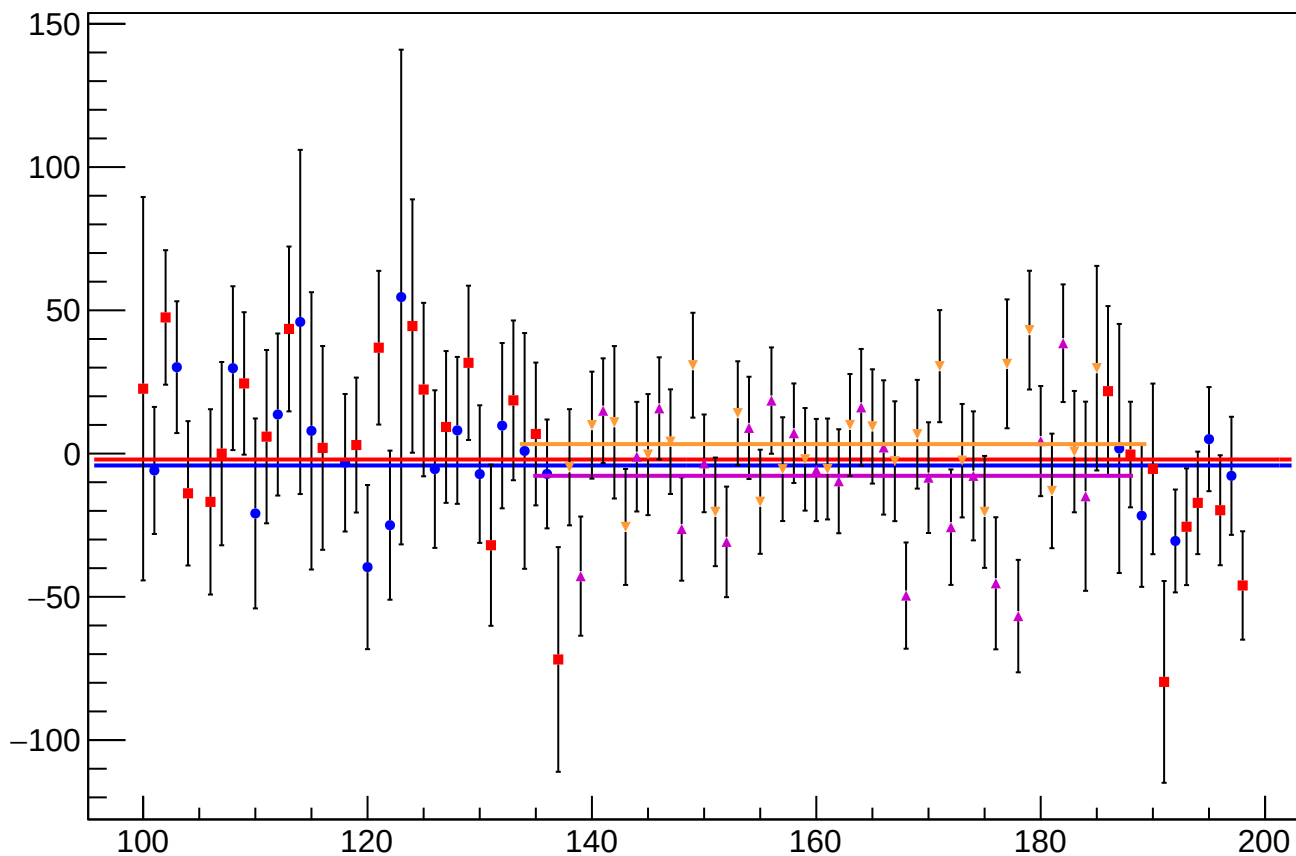
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 193.208 $\pm$ 0.027 χ^2 /NDF: 3741856.0/46

All: 185.276 $\pm$ 0.018 χ^2 /NDF: 8179319.2/96

- sign 178.624 $\pm$ 0.025 χ^2 /NDF: 4278258.6/49

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.152 ± 5.560 $\chi^2/\text{NDF}: 11.2/21$

Left Out: 3.307 ± 3.954 $\chi^2/\text{NDF}: 18.7/24$

Right Out: -2.067 ± 5.018 $\chi^2/\text{NDF}: 33.2/26$

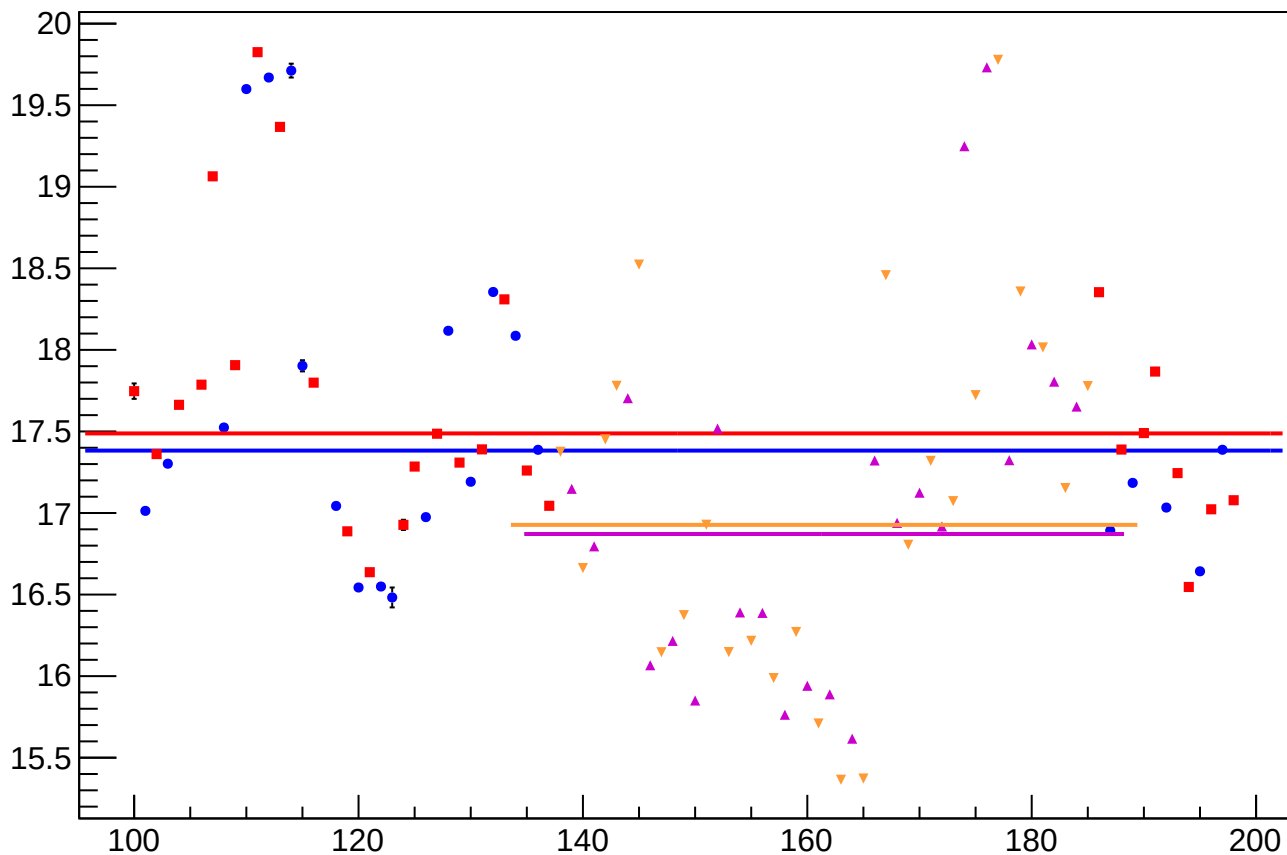
Left In: -7.756 ± 4.061 $\chi^2/\text{NDF}: 34.3/22$

+ sign 0.802 ± 3.222 $\chi^2/\text{NDF}: 31.1/46$

All: -2.416 ± 2.255 $\chi^2/\text{NDF}: 101.3/96$

- sign -5.505 ± 3.157 $\chi^2/\text{NDF}: 68.3/49$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.383+/-0.004 χ^2/NDF : 39788.9/21

Left Out: 16.927+/-0.003 χ^2/NDF :138533.2/24

Right Out: 17.488+/-0.004 χ^2/NDF : 42325.1/26

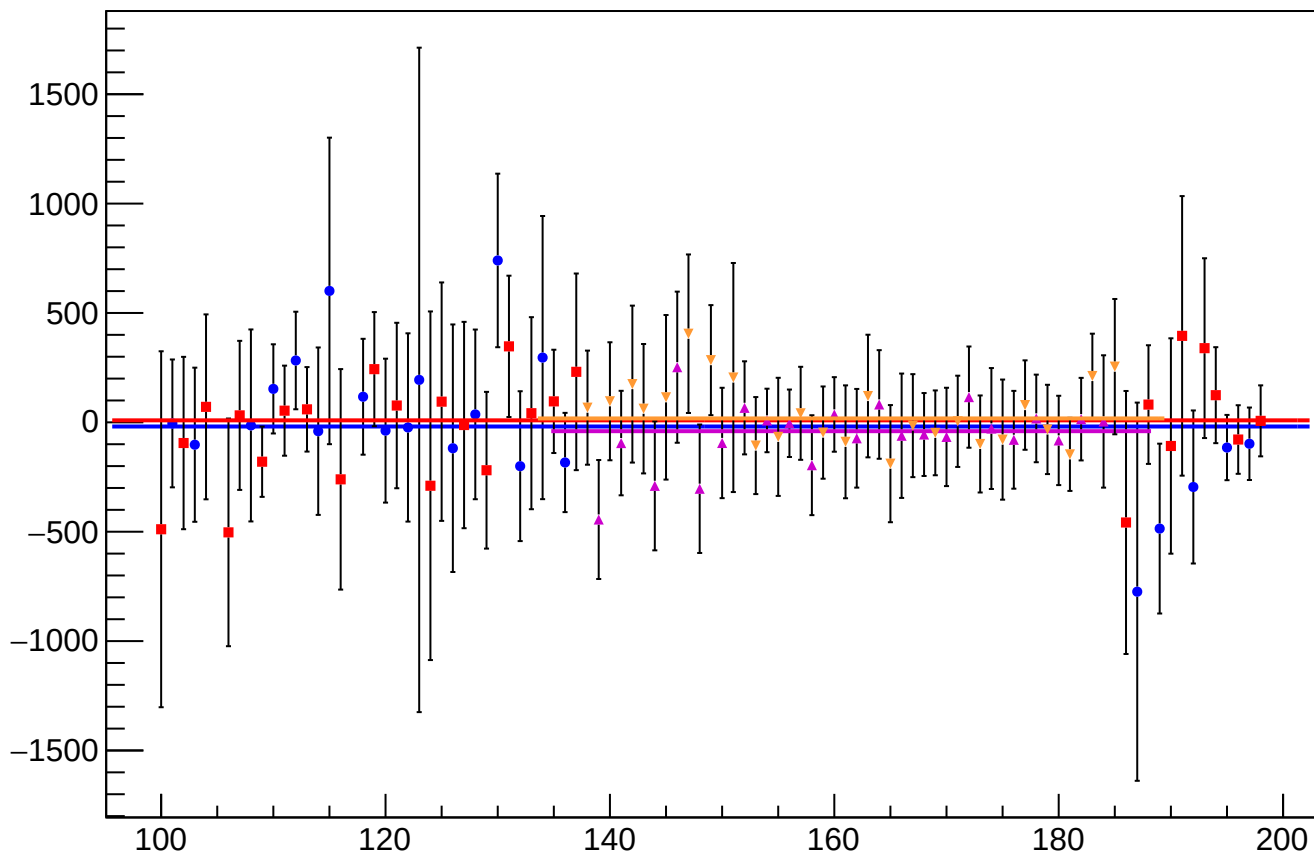
Left In: 16.871+/-0.003 χ^2/NDF :117993.8/22

+ sign 17.080+/-0.002 χ^2/NDF : 187232.0/46

All: 17.098+/-0.002 χ^2/NDF : 365922.5/96

- sign 17.115+/-0.002 χ^2/NDF : 178569.4/49

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -18.999 ± 63.079 χ^2/NDF : 11.9/21

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 9.143 ± 55.573 χ^2/NDF : 8.4/26

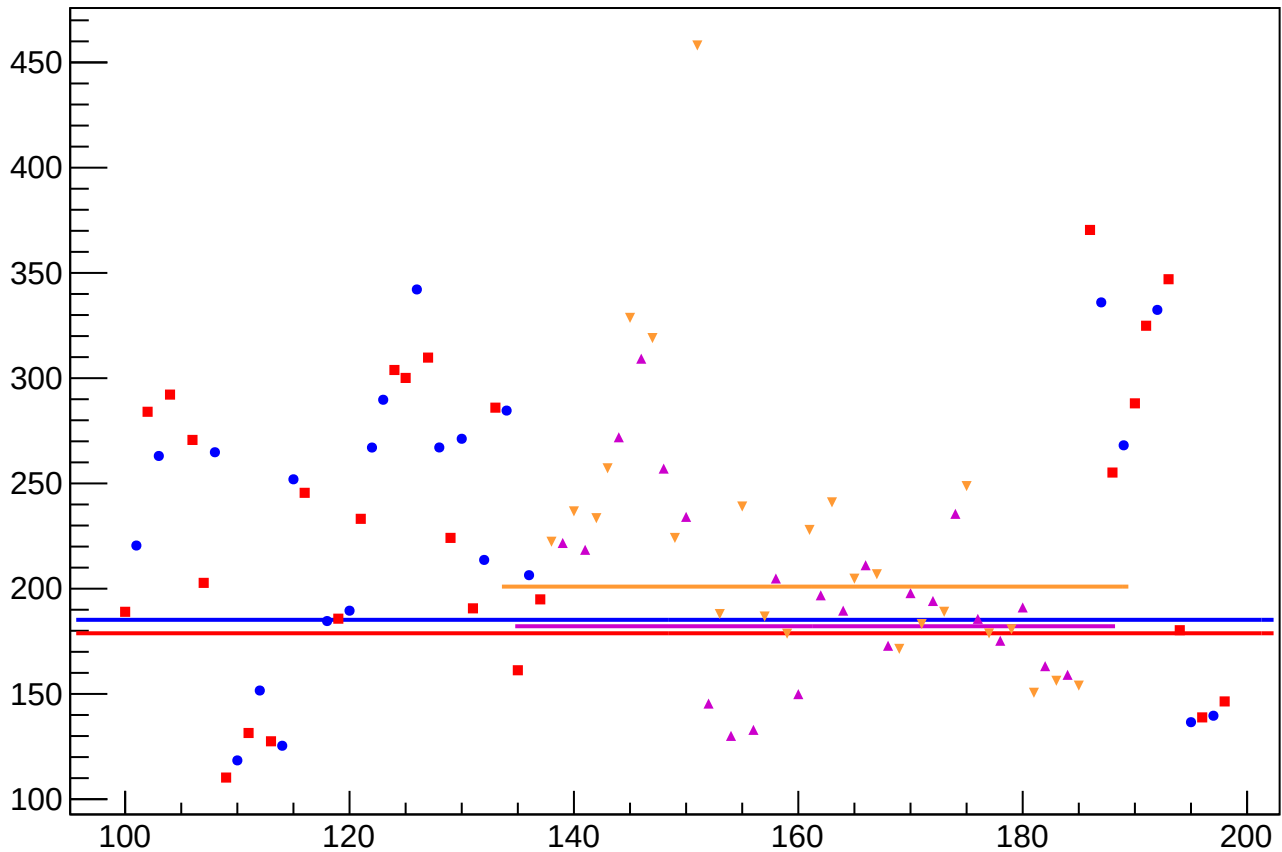
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign 4.129 ± 38.472 χ^2/NDF : 19.6/46

All: -9.186 ± 26.007 χ^2/NDF : 35.3/96

- sign -20.392 ± 35.293 χ^2/NDF : 15.5/49

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 185.208 $\pm$ 0.045 χ^2 /NDF: 1887505.3/21

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF: 1727291.4/24

Right Out: 178.815 $\pm$ 0.039 χ^2 /NDF: 2627194.9/26

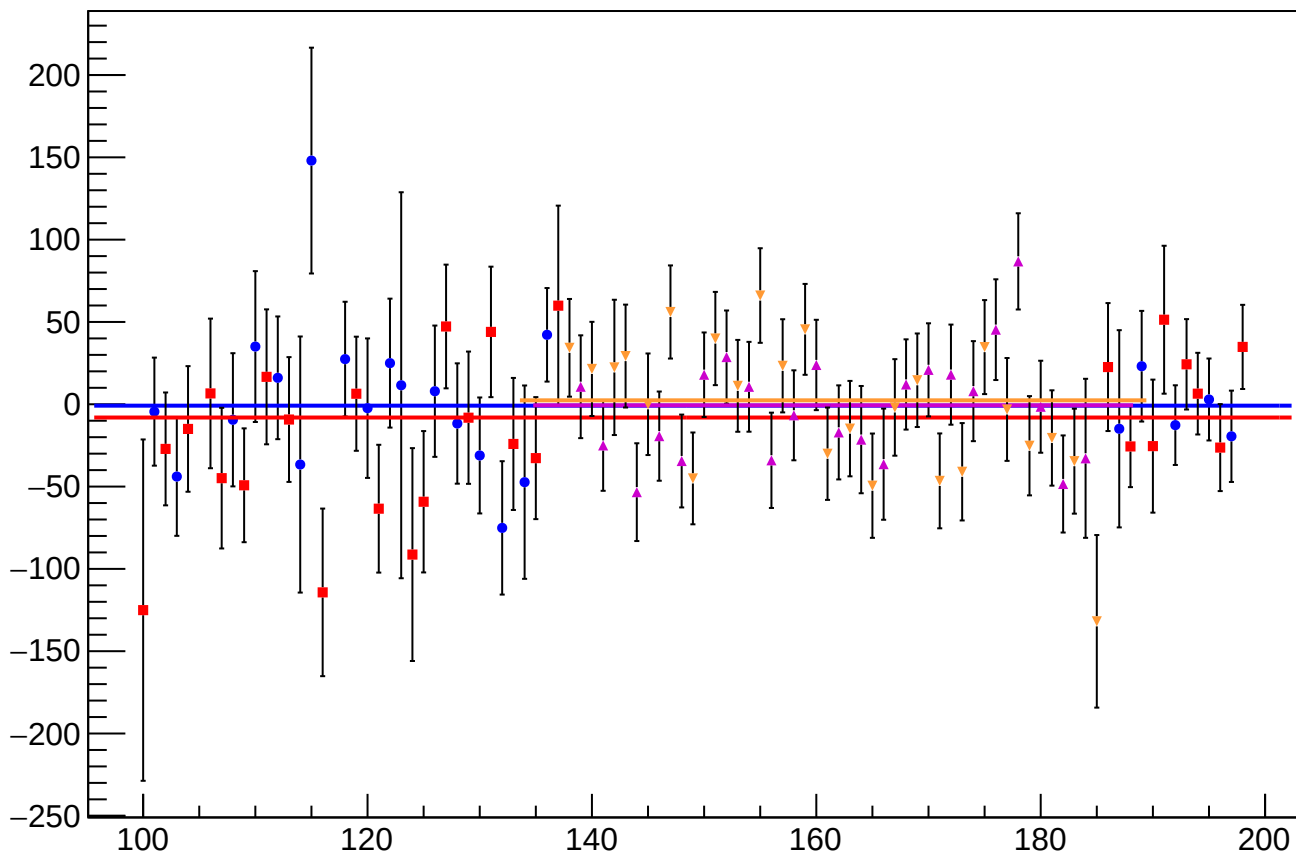
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF: 1535922.8/22

+ sign 195.116 $\pm$ 0.027 χ^2 /NDF: 3693374.6/46

All: 187.348 $\pm$ 0.018 χ^2 /NDF: 8010988.3/96

- sign 180.810 $\pm$ 0.025 χ^2 /NDF: 4167435.8/49

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.848 ± 7.882 χ^2/NDF : 16.8/21

Left Out: 2.390 ± 5.980 χ^2/NDF : 39.1/24

Right Out: -8.052 ± 7.008 χ^2/NDF : 27.7/26

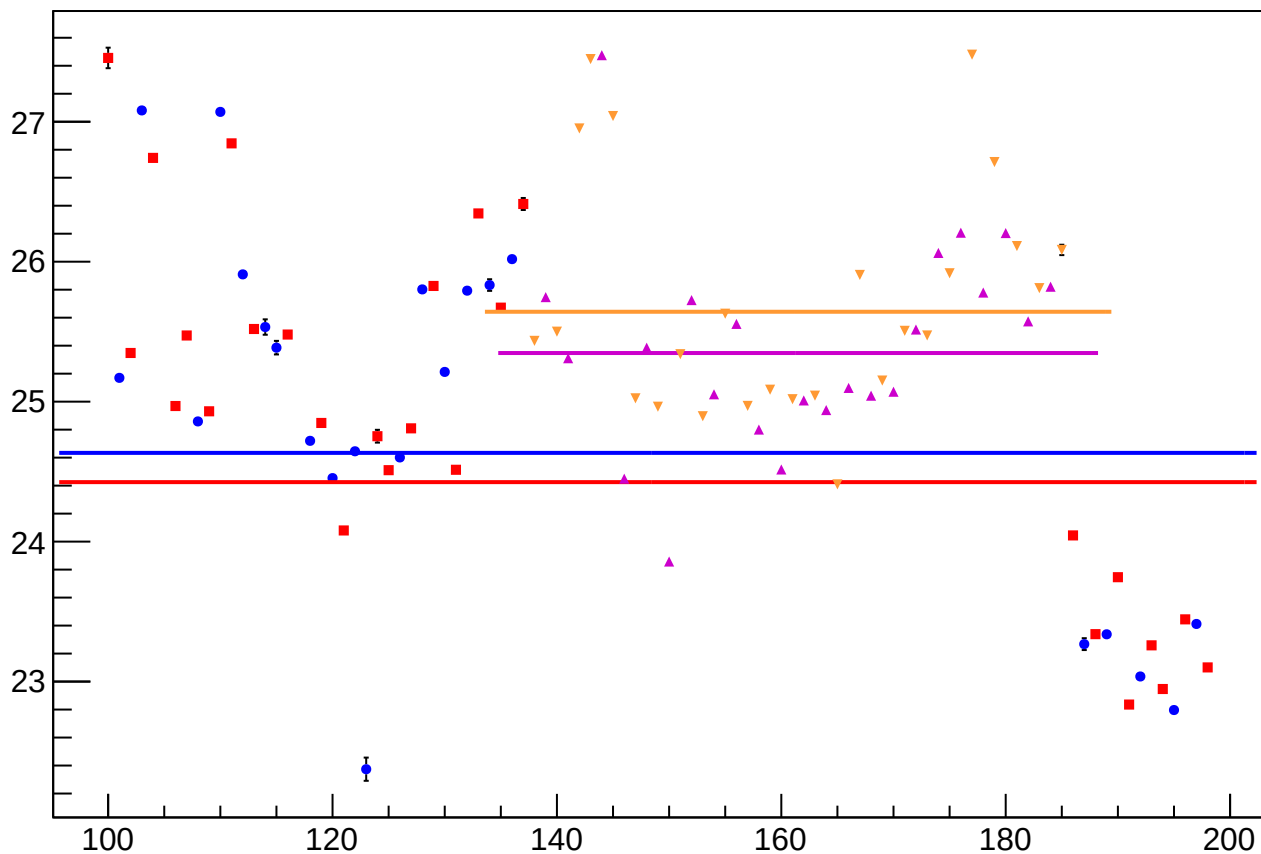
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 1.207 ± 4.764 χ^2/NDF : 56.0/46

All: -1.401 ± 3.308 χ^2/NDF : 112.2/96

- sign -3.830 ± 4.597 χ^2/NDF : 55.7/49

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.634 $\pm$ 0.006 χ^2 /NDF: 56432.8/21

Left Out: 25.642 $\pm$ 0.004 χ^2 /NDF: 34802.2/24

Right Out: 24.425 $\pm$ 0.005 χ^2 /NDF: 60051.2/26

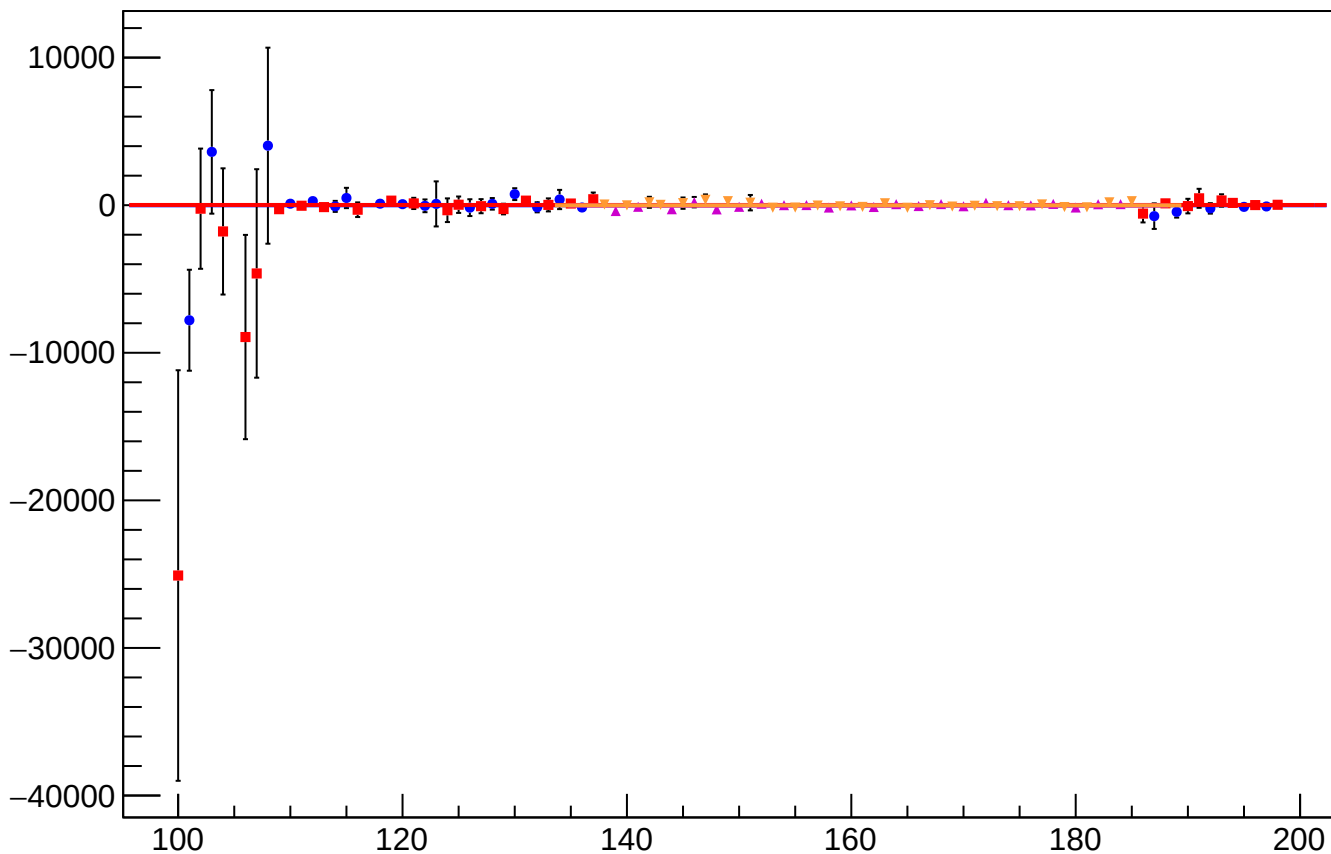
Left In: 25.347 $\pm$ 0.004 χ^2 /NDF: 29389.5/22

+ sign 25.274 $\pm$ 0.003 χ^2 /NDF: 112006.8/46

All: 25.106 $\pm$ 0.002 χ^2 /NDF: 225962.0/96

- sign 24.950 $\pm$ 0.003 χ^2 /NDF: 109179.7/49

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -8.208 ± 67.285 χ^2/NDF : 16.7/21

Left Out: -11.432 ± 48.263 χ^2/NDF : 8.0/24

Right Out: 15.302 ± 60.414 χ^2/NDF : 14.7/26

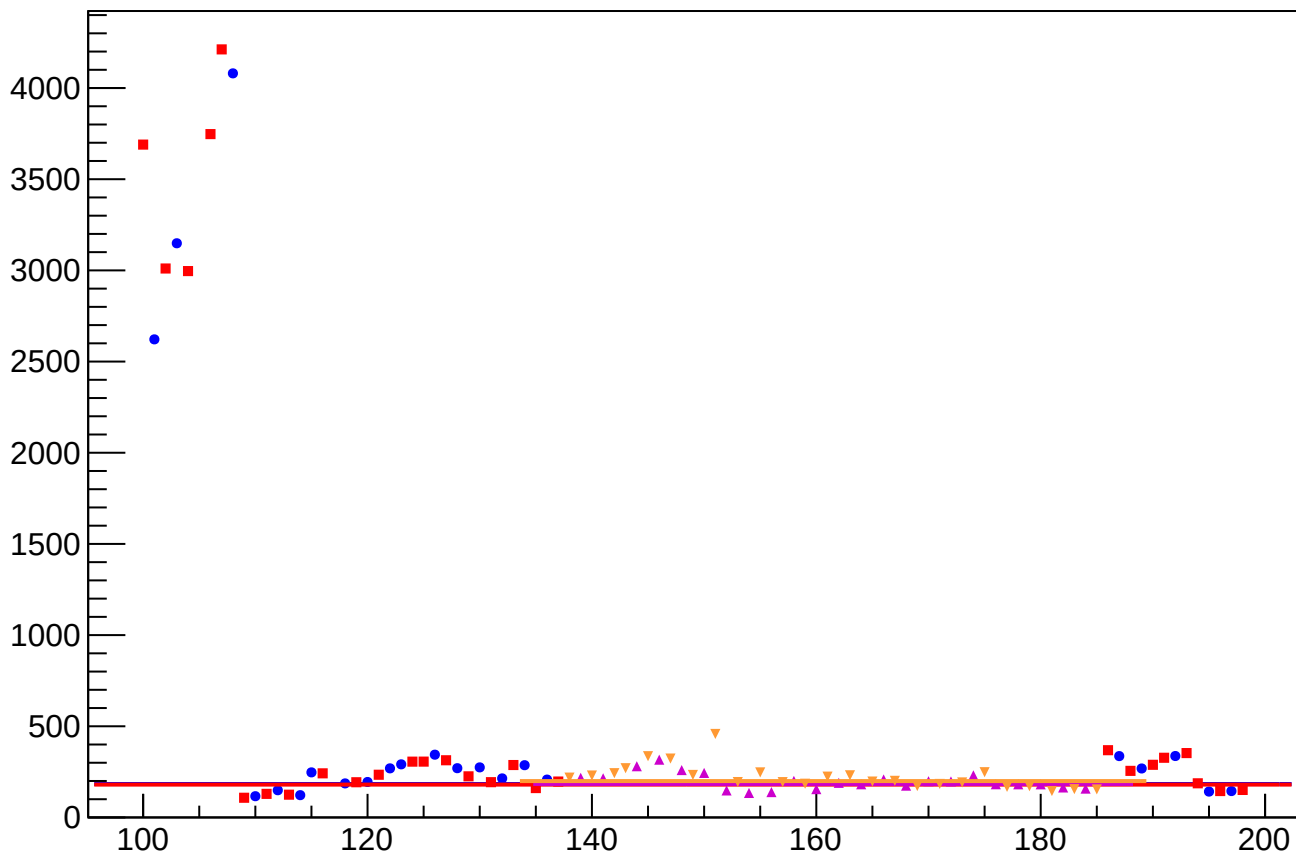
Left In: -27.098 ± 45.999 χ^2/NDF : 7.2/22

+ sign -10.337 ± 39.217 χ^2/NDF : 24.7/46

All: -10.979 ± 26.757 χ^2/NDF : 46.9/96

- sign -11.538 ± 36.598 χ^2/NDF : 22.2/49

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 183.318 $\pm$ 0.048 χ^2 /NDF: 4369437.8/21

Left Out: 199.438 $\pm$ 0.034 χ^2 /NDF: 1877848.7/24

Right Out: 180.227 $\pm$ 0.043 χ^2 /NDF: 5270095.3/26

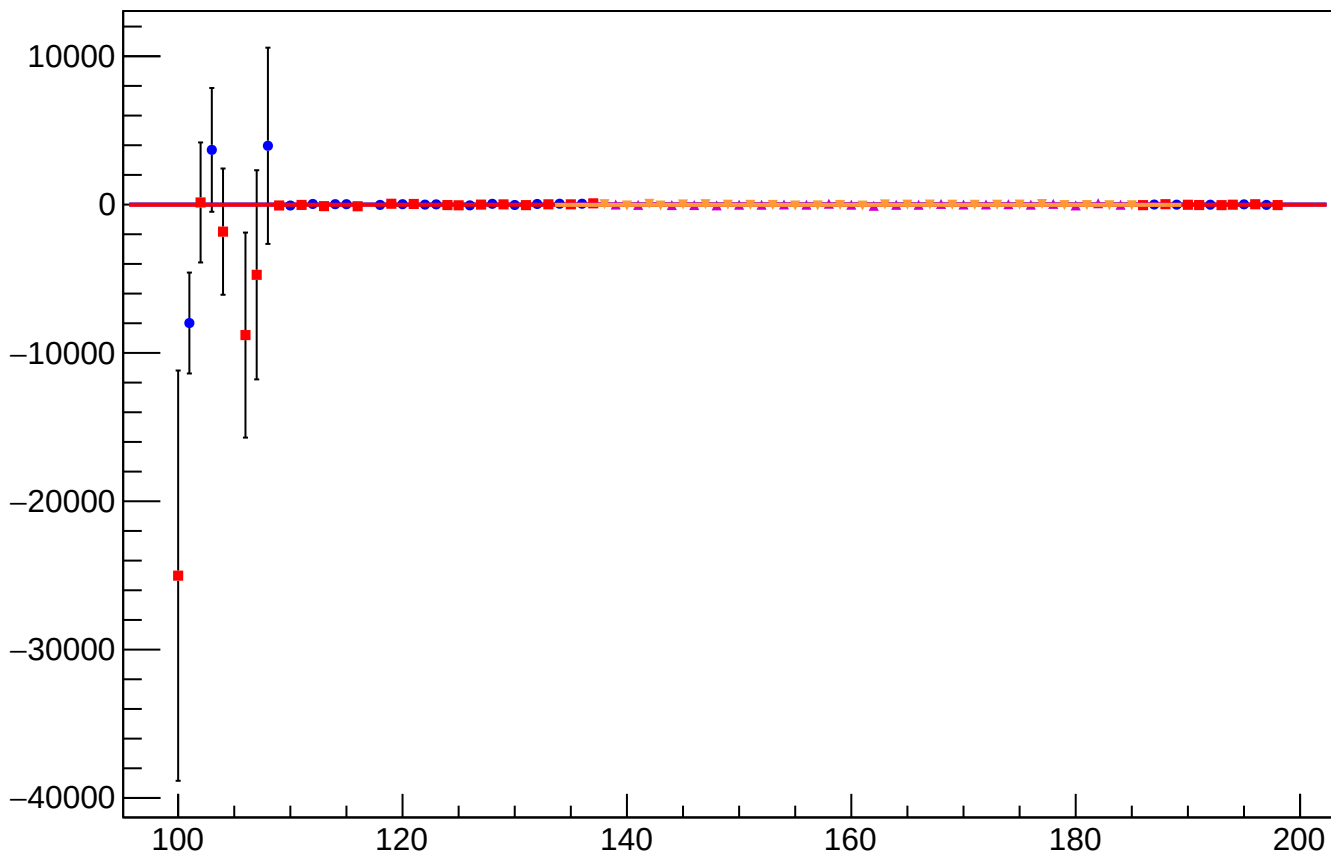
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF: 1412869.6/22

+ sign 193.962 $\pm$ 0.028 χ^2 /NDF: 6323082.6/46

All: 187.831 $\pm$ 0.019 χ^2 /NDF: 13101927.7/96

- sign 182.492 $\pm$ 0.026 χ^2 /NDF: 6687405.2/49

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 5.594 ± 9.605 χ^2/NDF : 19.6/21

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: -10.996 ± 8.720 χ^2/NDF : 28.2/26

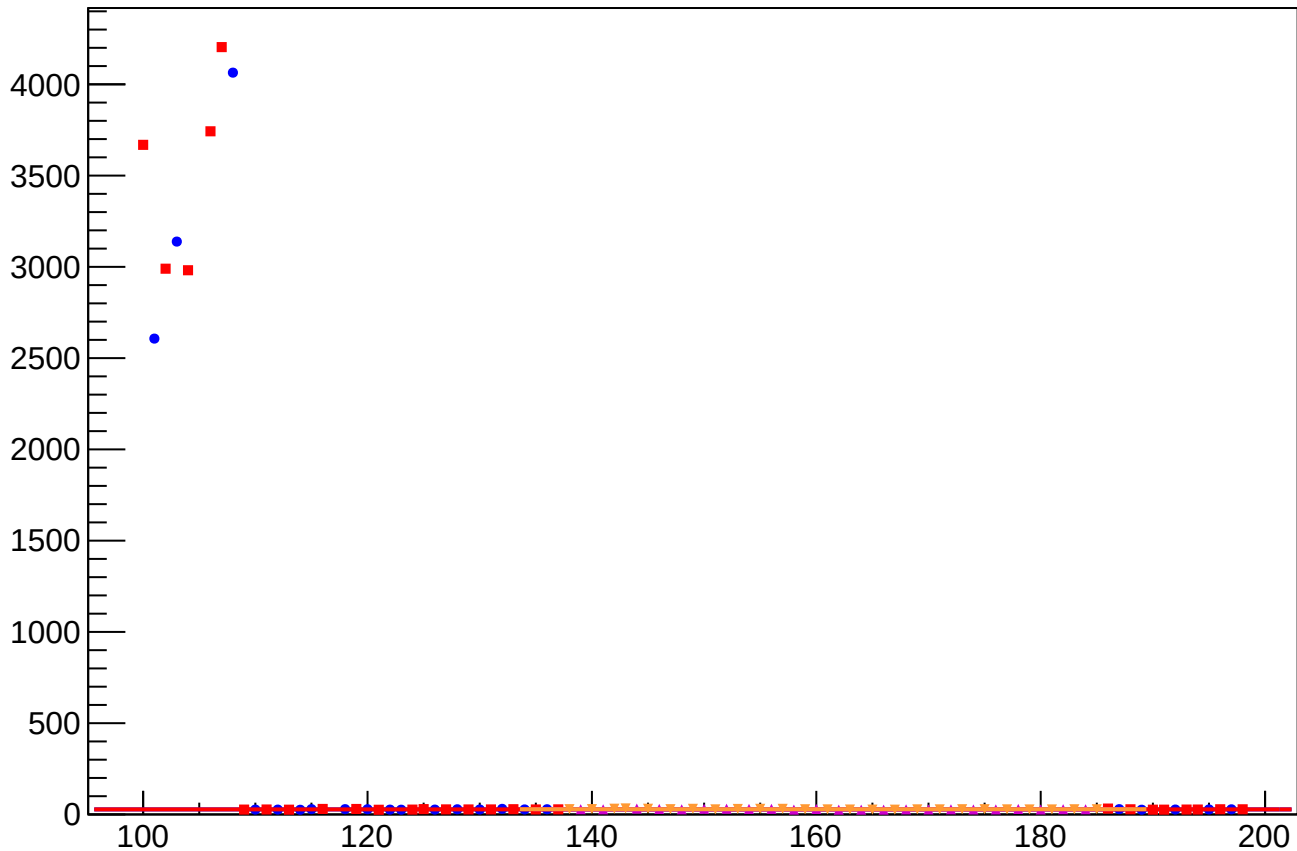
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -10.351 ± 5.497 χ^2/NDF : 45.4/46

All: -7.644 ± 3.858 χ^2/NDF : 106.9/96

- sign -5.019 ± 5.415 χ^2/NDF : 60.9/49

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.629 $\pm$ 0.007 χ^2 /NDF: 3034285.8/21

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.741 $\pm$ 0.006 χ^2 /NDF: 3500643.0/26

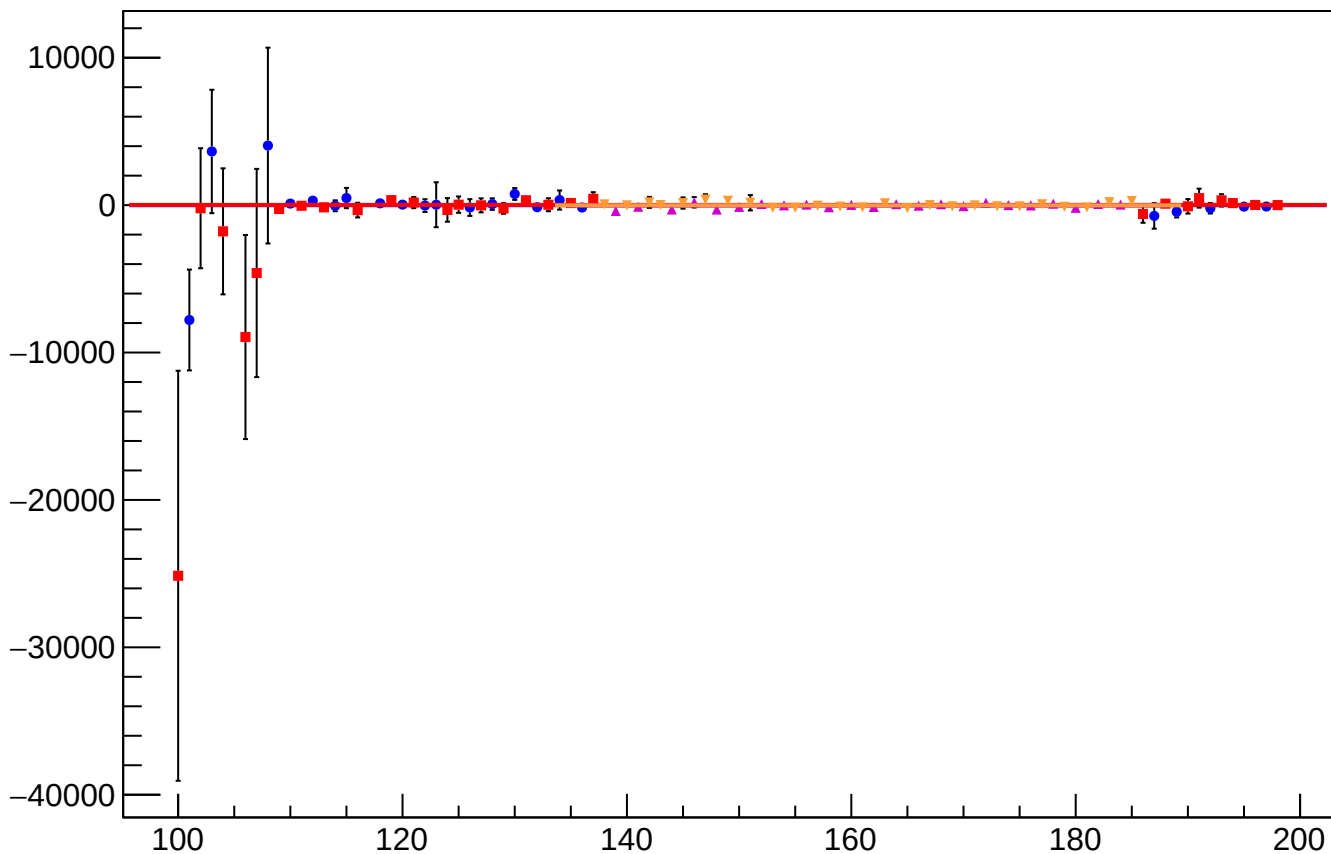
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.345 $\pm$ 0.004 χ^2 /NDF: 3161282.2/46

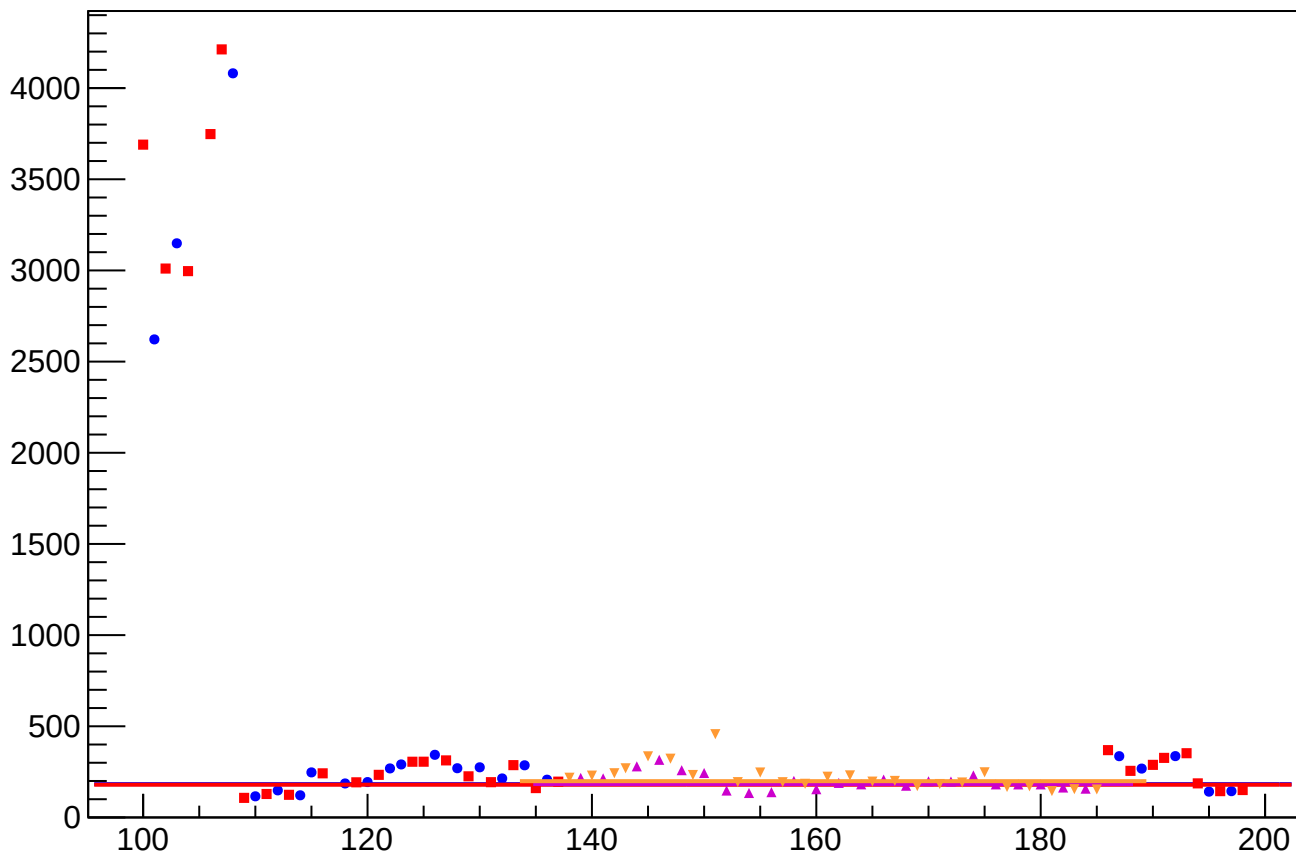
All: 28.330 $\pm$ 0.003 χ^2 /NDF: 6799922.2/96

- sign 28.316 $\pm$ 0.004 χ^2 /NDF: 3638611.7/49

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 182.697 $\pm$ 0.047 χ^2 /NDF: 4382534.5/21

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF:1877636.0/24

Right Out: 179.619 $\pm$ 0.043 χ^2 /NDF: 5288192.1/26

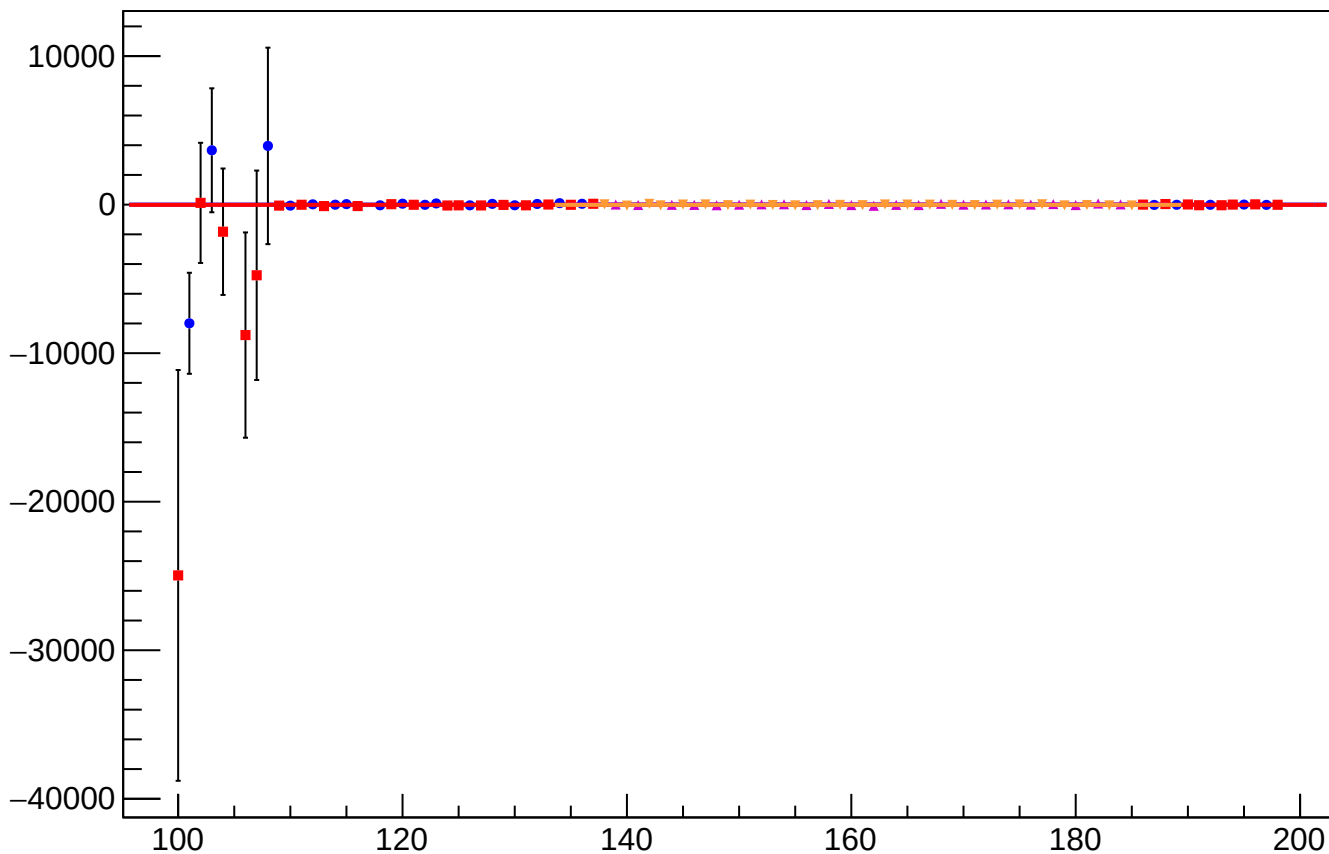
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF:1412341.8/22

+ sign 193.454 $\pm$ 0.028 χ^2 /NDF: 6338086.9/46

All: 187.352 $\pm$ 0.019 χ^2 /NDF: 13134751.9/96

- sign 182.037 $\pm$ 0.026 χ^2 /NDF: 6705629.3/49

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 2.697 $\pm$ 9.626 χ^2 /NDF: 23.6/21

Left Out: -15.829 $\pm$ 6.733 χ^2 /NDF:16.5/24

Right Out: -13.539 $\pm$ 8.734 χ^2 /NDF: 23.5/26

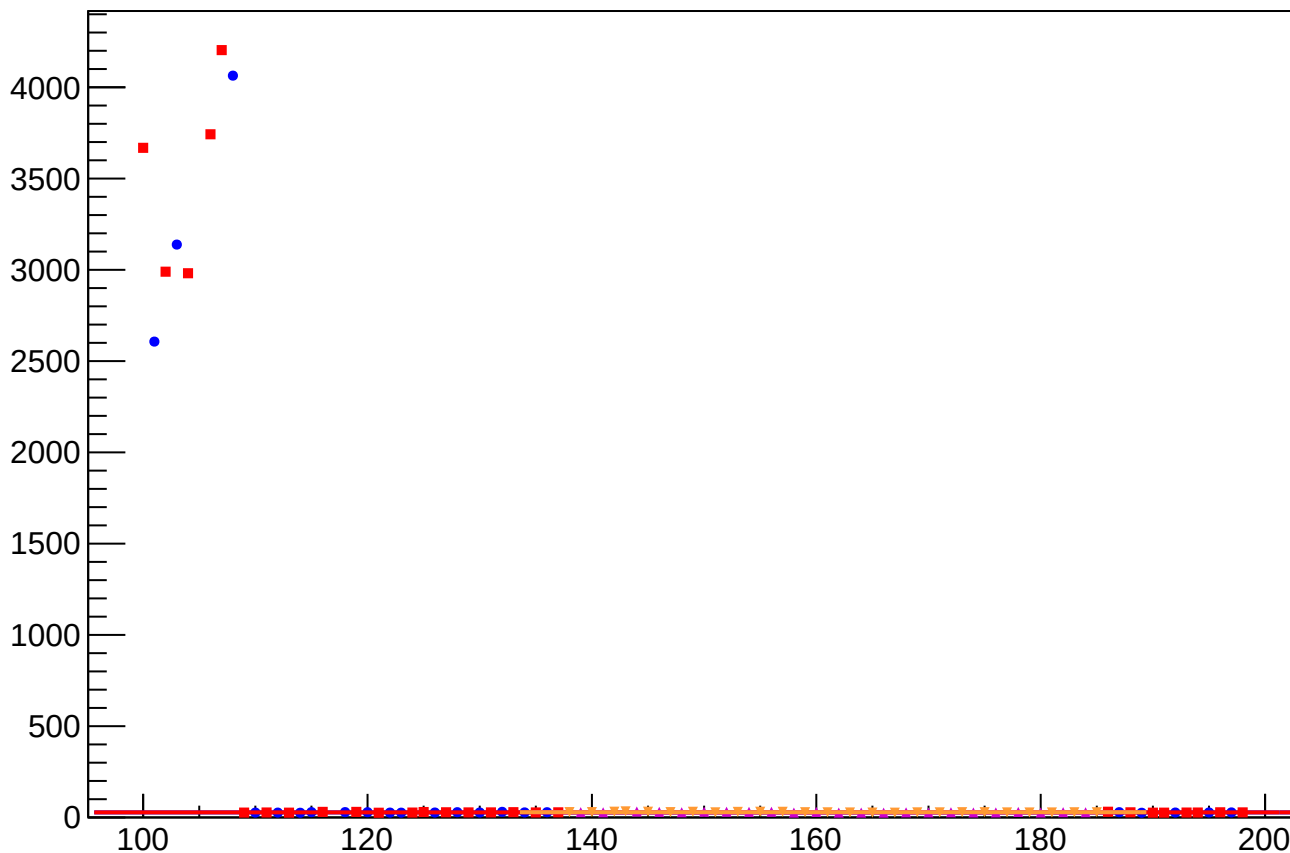
Left In: 0.498 $\pm$ 6.937 χ^2 /NDF:26.1/22

+ sign -9.743 $\pm$ 5.517 χ^2 /NDF: 42.5/46

All: -7.300 $\pm$ 3.871 χ^2 /NDF: 94.1/96

- sign -4.932 $\pm$ 5.432 χ^2 /NDF: 51.2/49

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.685 $\pm$ 0.007 χ^2 /NDF: 3036075.7/21

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.786 $\pm$ 0.006 χ^2 /NDF: 3497672.3/26

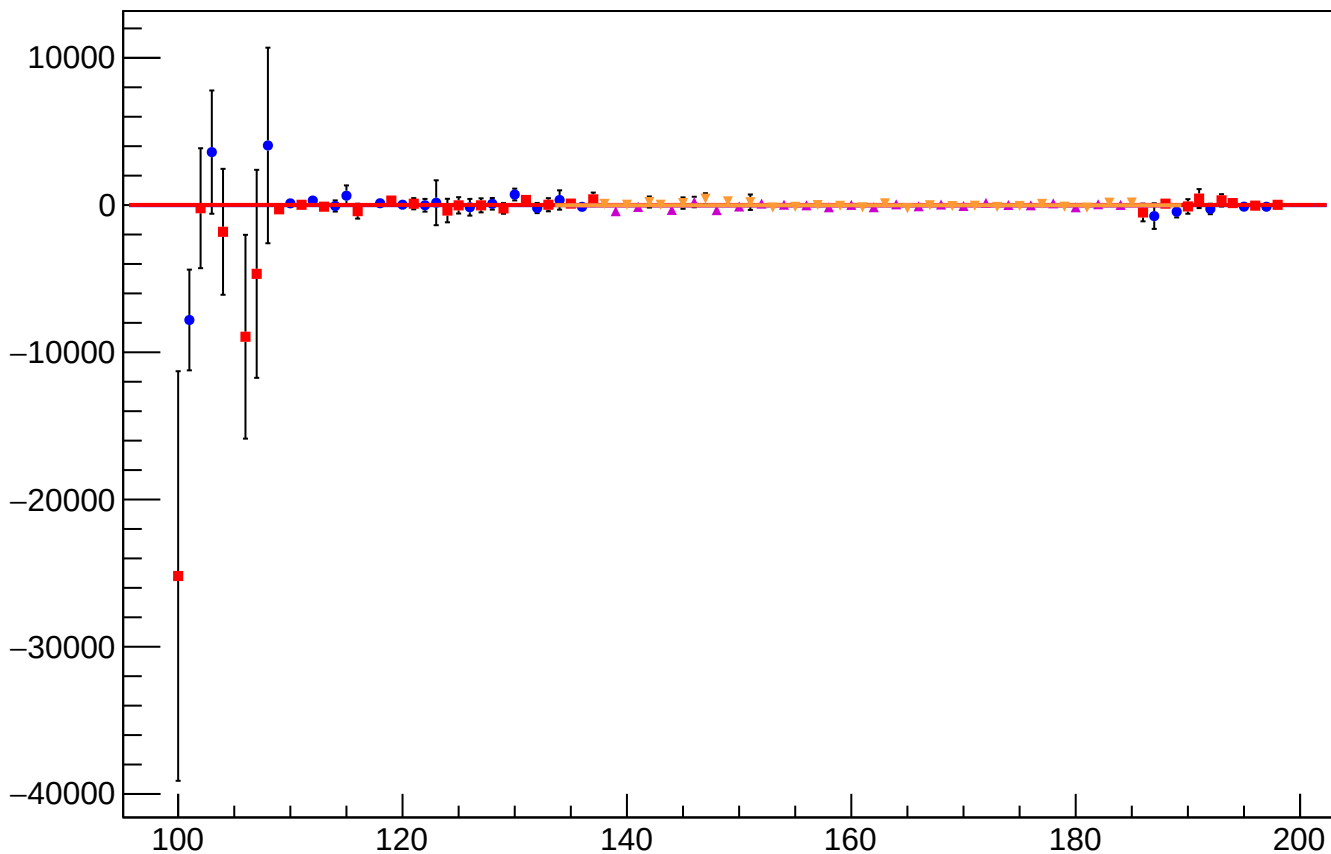
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.443 $\pm$ 0.004 χ^2 /NDF: 3176721.5/46

All: 28.424 $\pm$ 0.003 χ^2 /NDF: 6819165.8/96

- sign 28.406 $\pm$ 0.004 χ^2 /NDF: 3642398.3/49

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -6.495+/-67.642 χ^2/NDF : 17.4/21

Left Out: -13.966+/-48.735 χ^2/NDF : 8.1/24

Right Out: 11.443+/-60.815 χ^2/NDF : 14.6/26

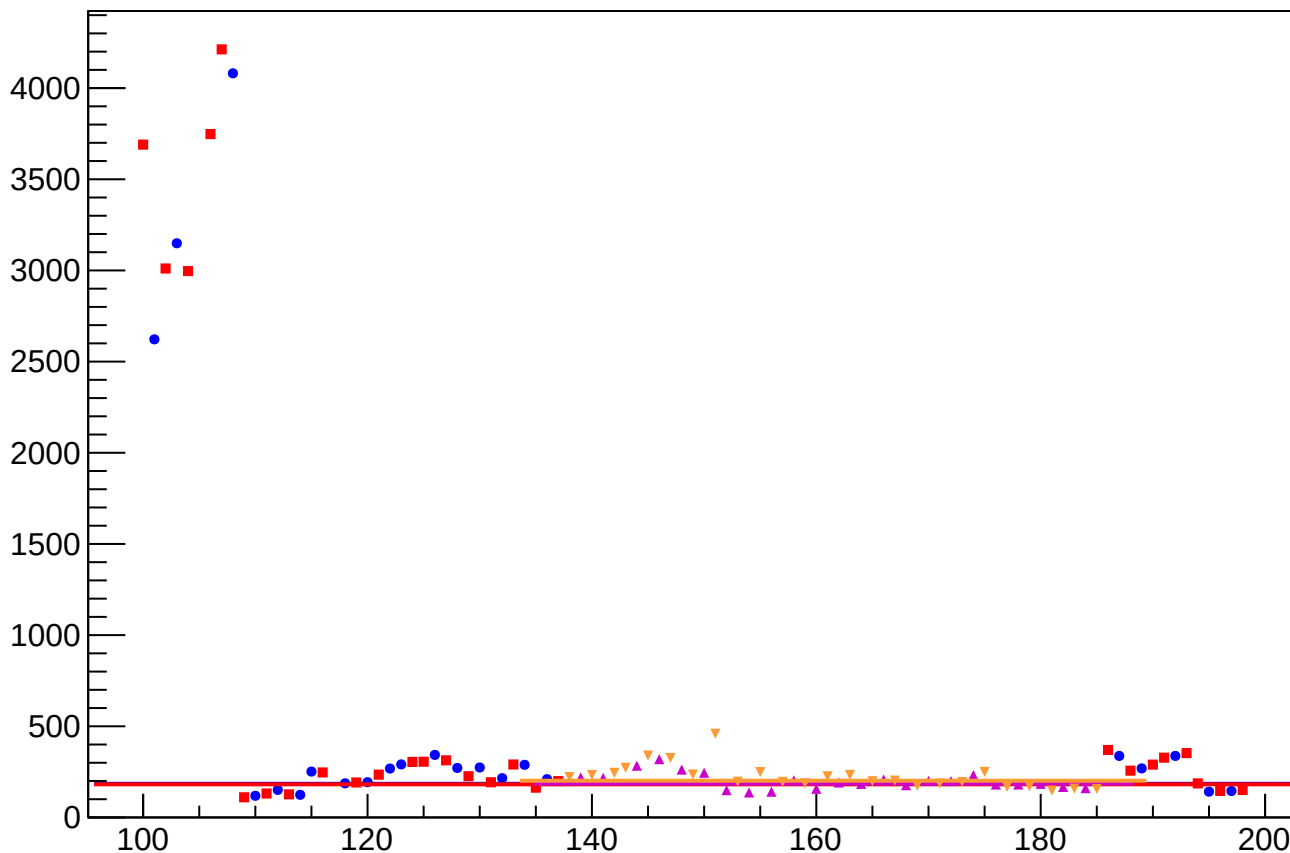
Left In: -31.477+/-46.483 χ^2/NDF : 7.8/22

+ sign -11.413+/-39.541 χ^2/NDF : 25.5/46

All: -13.676+/-26.990 χ^2/NDF : 48.3/96

- sign -15.650+/-36.931 χ^2/NDF : 22.7/49

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 184.435 $\pm$ 0.048 χ^2 /NDF: 4344764.8/21

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF:1854905.1/24

Right Out: 181.709 $\pm$ 0.043 χ^2 /NDF: 5219362.9/26

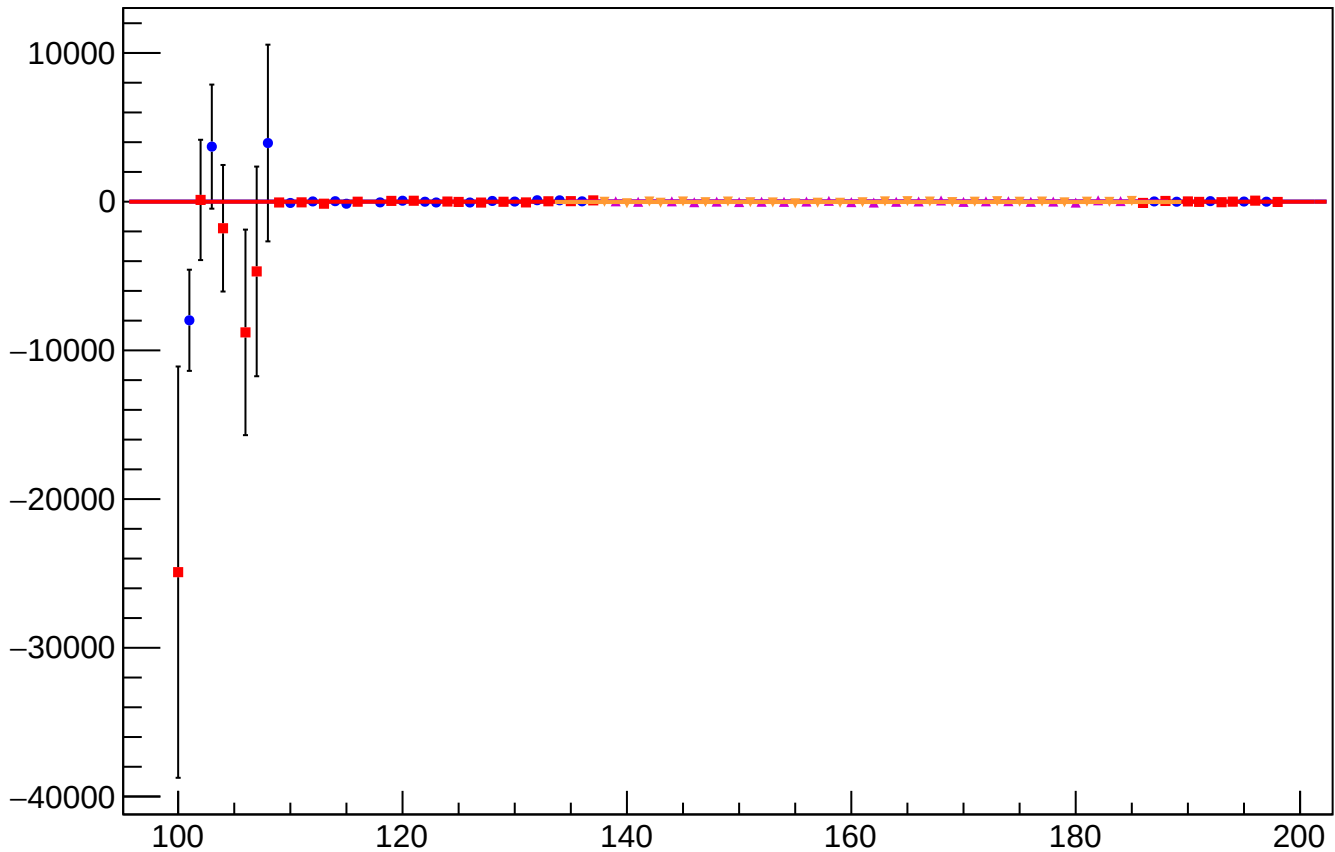
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF:1380877.6/22

+ sign 195.670 $\pm$ 0.028 χ^2 /NDF: 6283498.1/46

All: 189.619 $\pm$ 0.019 χ^2 /NDF: 12977365.3/96

- sign 184.341 $\pm$ 0.026 χ^2 /NDF: 6606174.5/49

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 8.957 ± 11.737 χ^2/NDF : 20.9/21

Left Out: -24.144 ± 8.076 χ^2/NDF : 24.9/24

Right Out: -2.911 ± 10.632 χ^2/NDF : 29.8/26

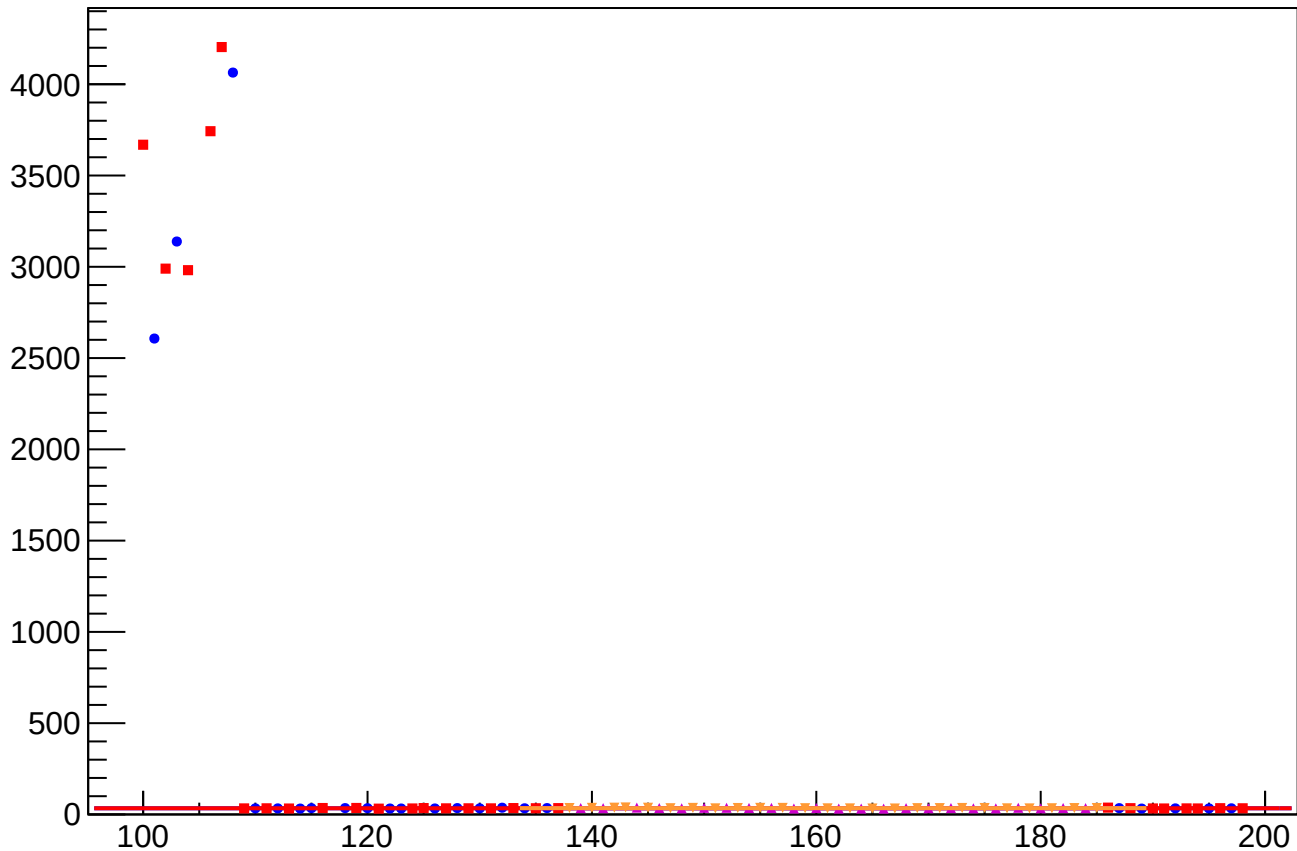
Left In: 5.924 ± 8.340 χ^2/NDF : 21.0/22

+ sign -13.507 ± 6.653 χ^2/NDF : 51.2/46

All: -5.363 ± 4.672 χ^2/NDF : 105.3/96

- sign 2.559 ± 6.562 χ^2/NDF : 51.2/49

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.788 $\pm$ 0.008 χ^2 /NDF: 3011075.0/21

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.883 $\pm$ 0.008 χ^2 /NDF: 3462368.3/26

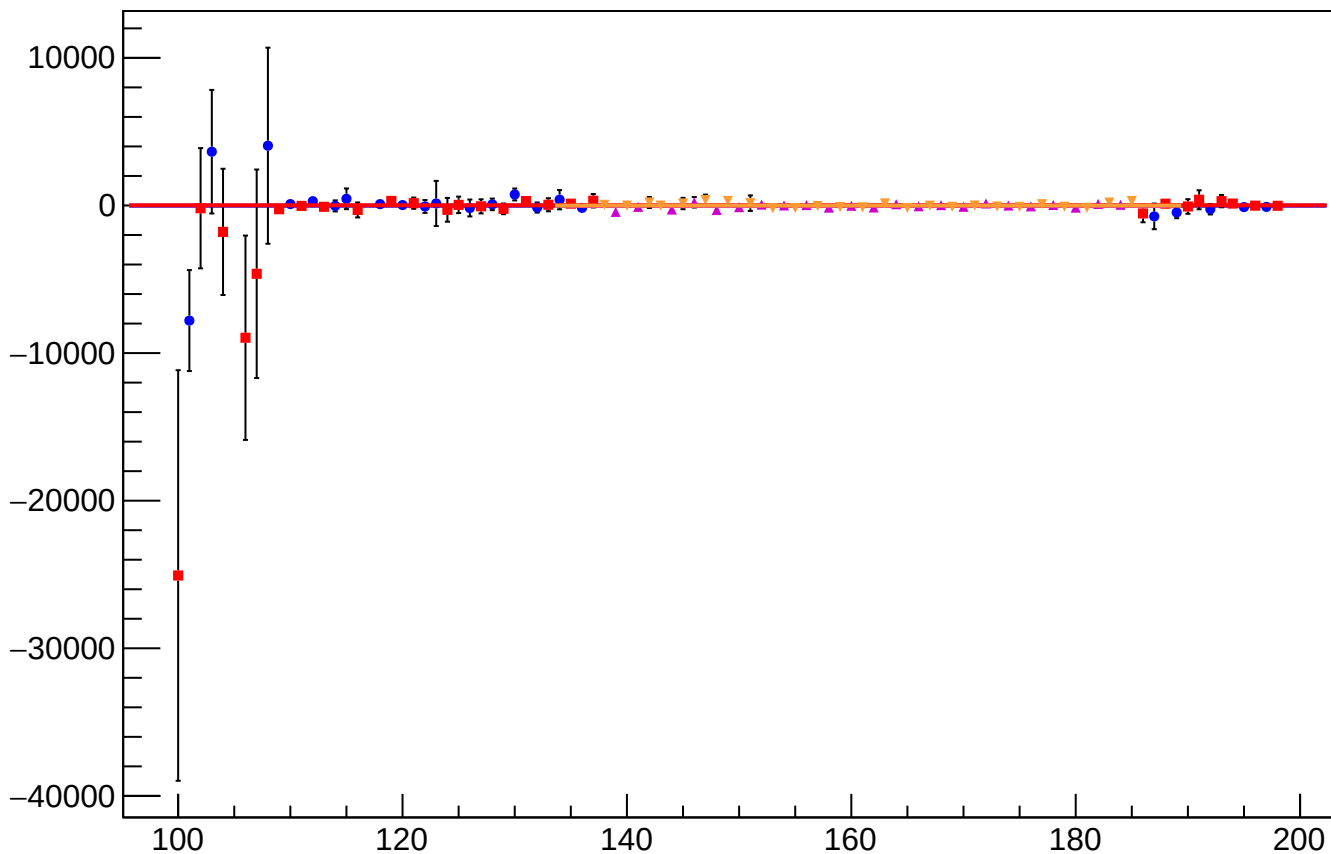
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.351 $\pm$ 0.005 χ^2 /NDF: 3075725.5/46

All: 34.364 $\pm$ 0.003 χ^2 /NDF: 6604940.0/96

- sign 34.377 $\pm$ 0.005 χ^2 /NDF: 3529198.4/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -12.091 ± 67.415 χ^2/NDF : 16.9/21

Left Out: -7.558 ± 48.662 χ^2/NDF : 8.8/24

Right Out: 12.087 ± 60.529 χ^2/NDF : 13.3/26

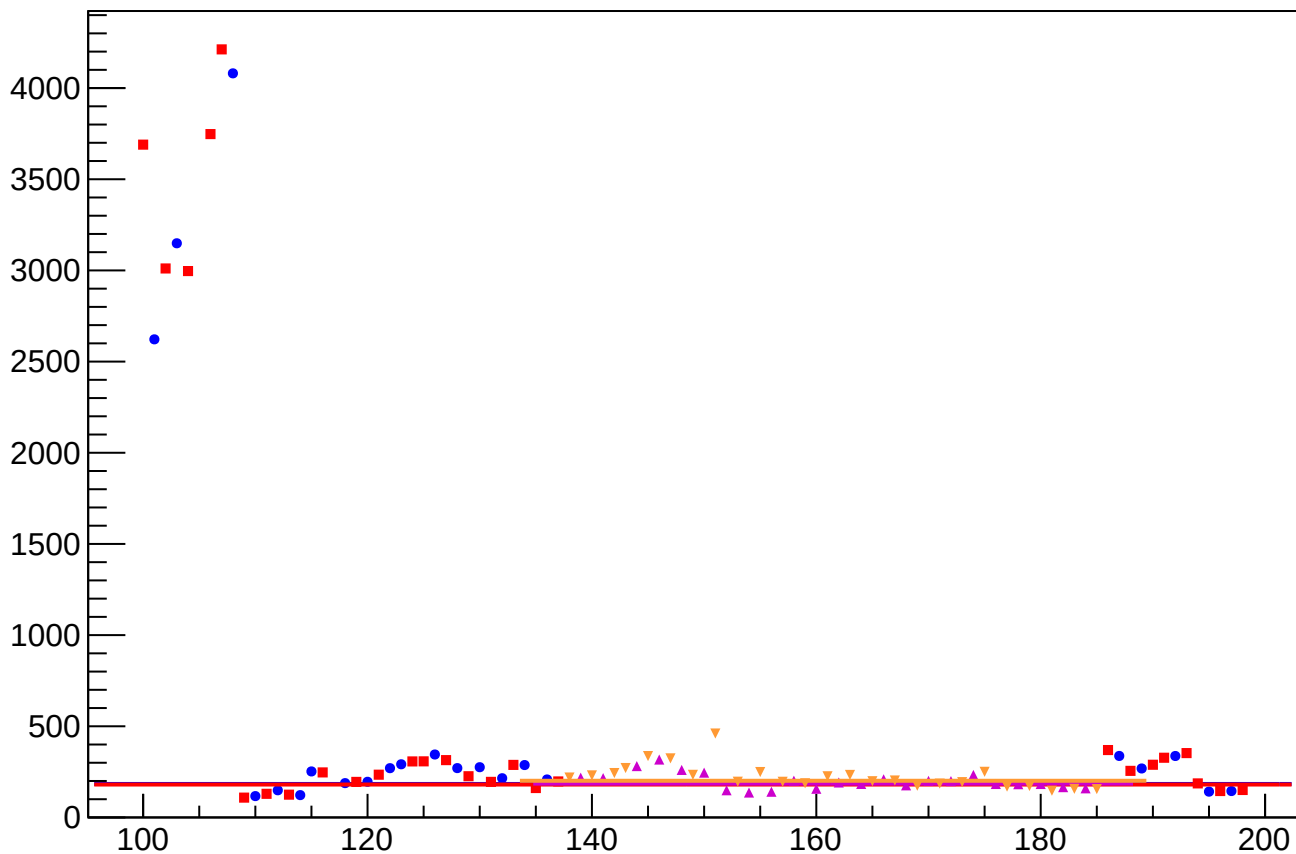
Left In: -34.977 ± 46.421 χ^2/NDF : 7.1/22

+ sign -9.111 ± 39.457 χ^2/NDF : 25.6/46

All: -13.619 ± 26.926 χ^2/NDF : 46.5/96

- sign -17.548 ± 36.835 χ^2/NDF : 20.8/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 183.639 $\pm$ 0.048 χ^2 /NDF: 4376497.1/21

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF: 1848437.4/24

Right Out: 180.574 $\pm$ 0.043 χ^2 /NDF: 5272778.7/26

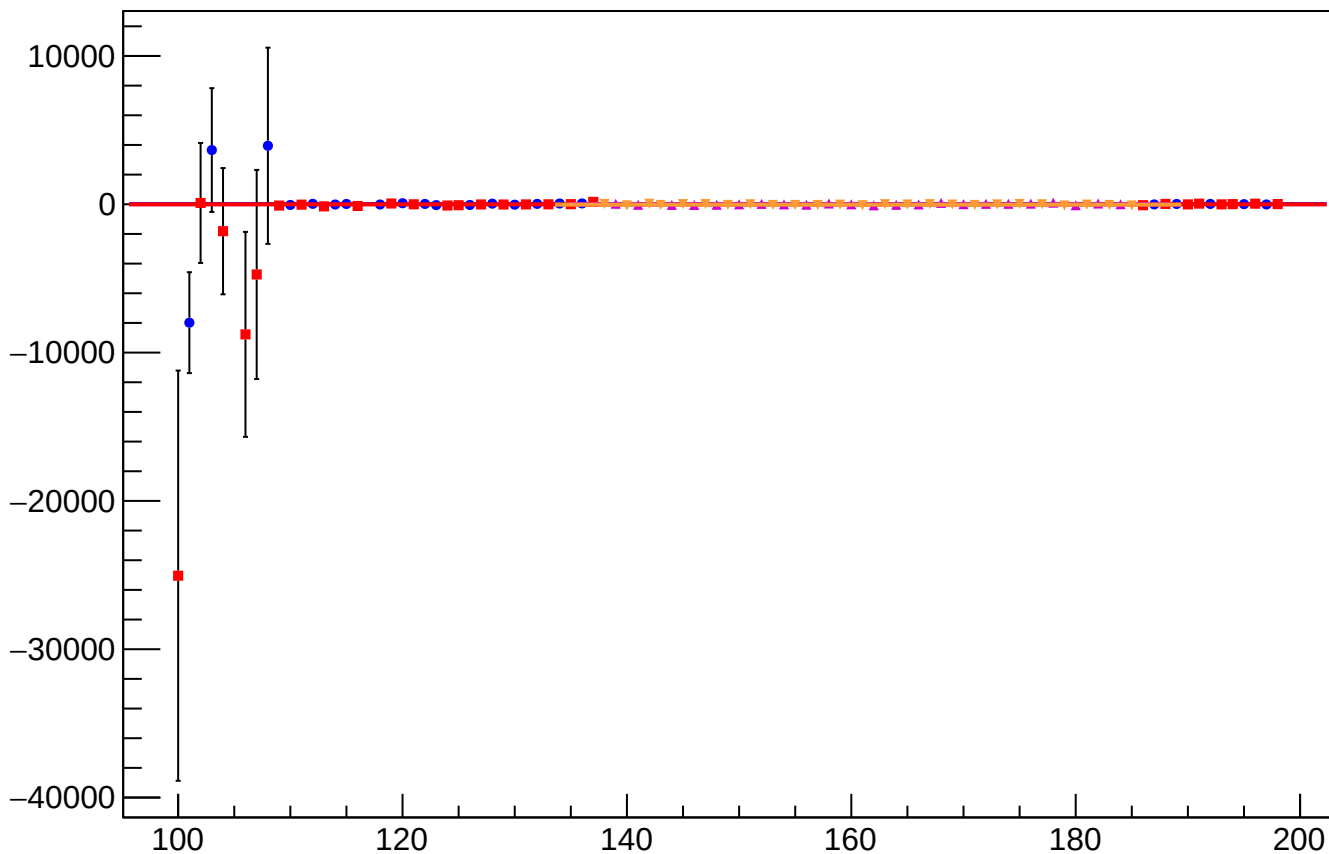
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF: 1371411.2/22

+ sign 195.183 $\pm$ 0.028 χ^2 /NDF: 6314141.0/46

All: 189.077 $\pm$ 0.019 χ^2 /NDF: 13056747.6/96

- sign 183.756 $\pm$ 0.026 χ^2 /NDF: 6652968.6/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.363+/-10.658 χ^2/NDF : 15.6/21

Left Out: -23.320+/-7.352 χ^2/NDF : 18.3/24

Right Out: -5.620+/-9.652 χ^2/NDF : 33.8/26

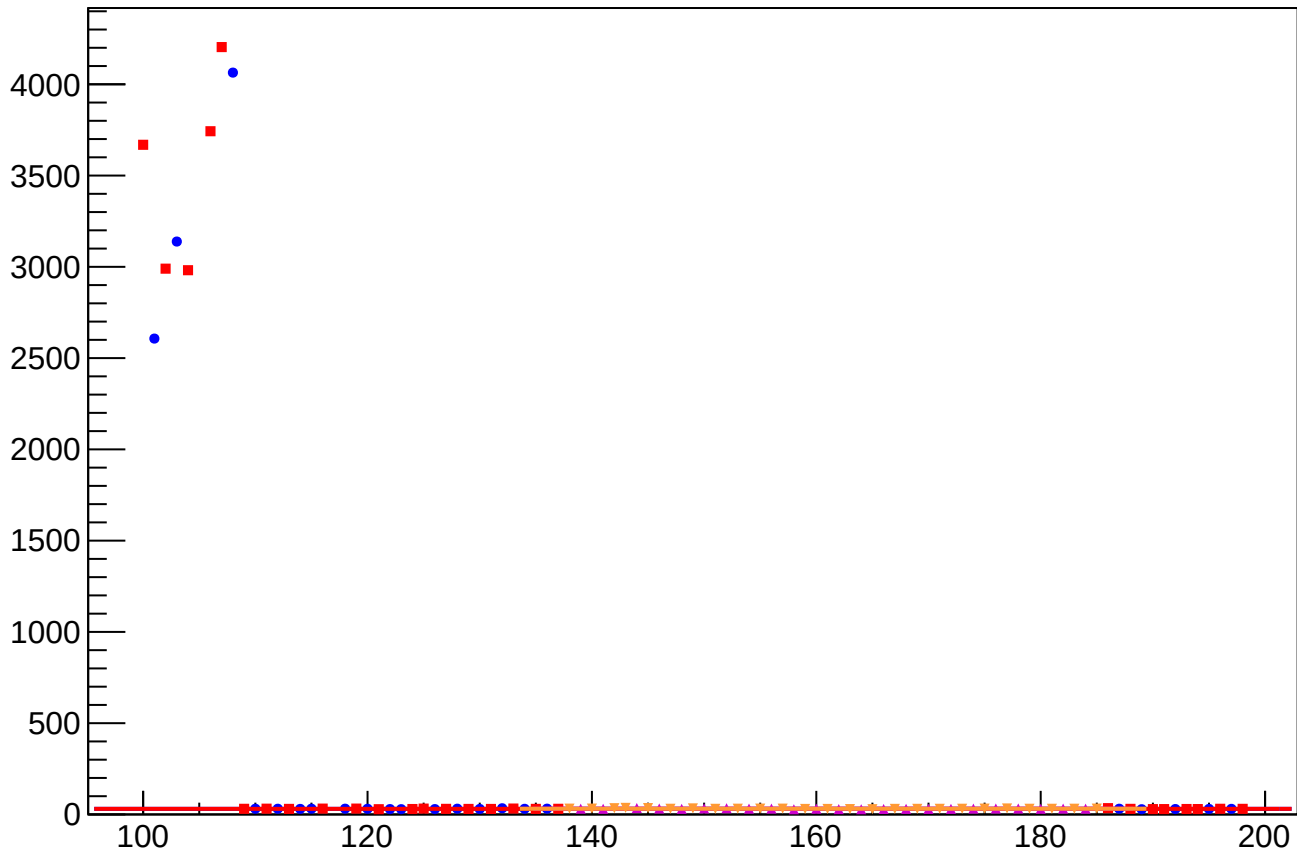
Left In: 6.386+/-7.577 χ^2/NDF : 38.7/22

+ sign -11.815+/-6.052 χ^2/NDF : 41.5/46

All: -4.899+/-4.246 χ^2/NDF : 117.5/96

- sign 1.808+/-5.960 χ^2/NDF : 73.5/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.672 $\pm$ 0.008 χ^2 /NDF: 3024323.0/21

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.731 $\pm$ 0.007 χ^2 /NDF: 3475793.8/26

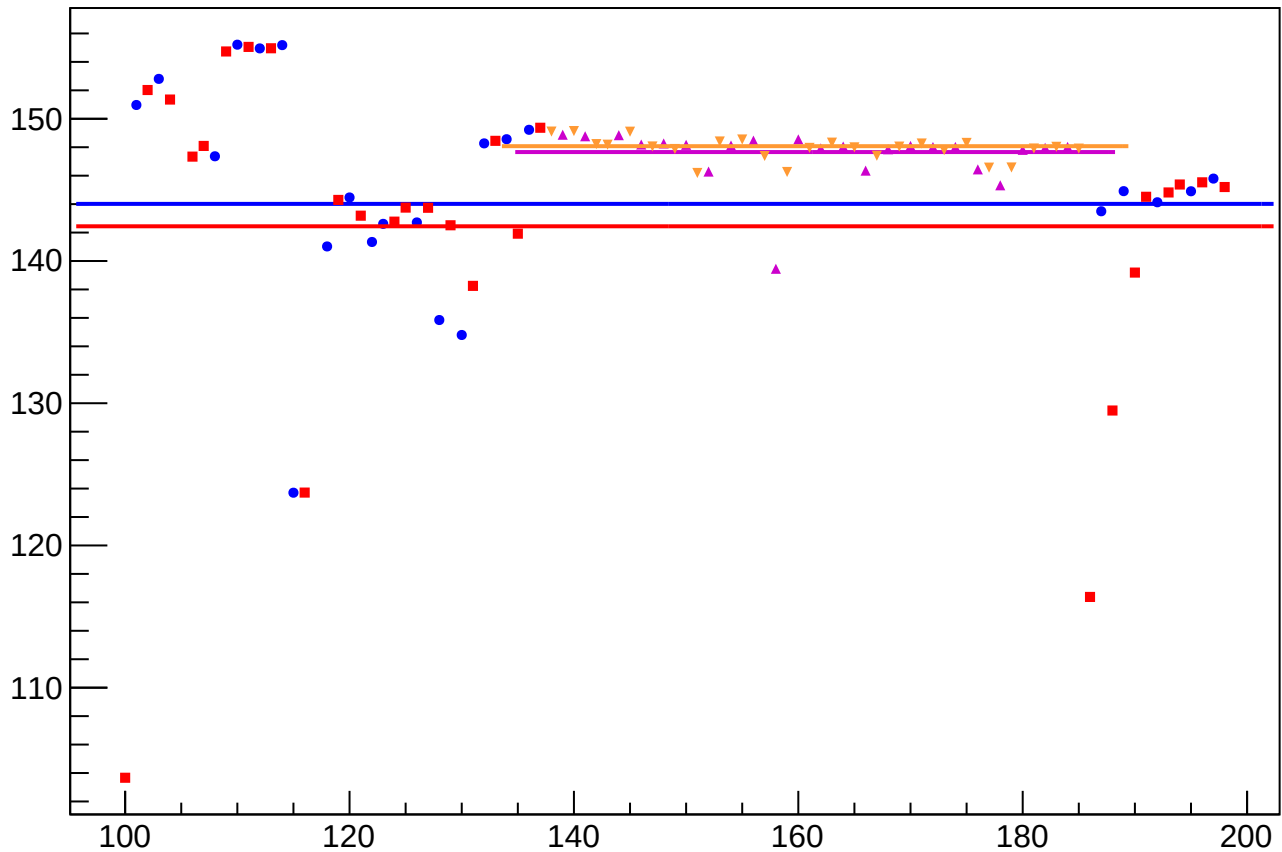
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.225 $\pm$ 0.004 χ^2 /NDF: 3114214.0/46

All: 31.208 $\pm$ 0.003 χ^2 /NDF: 6685191.9/96

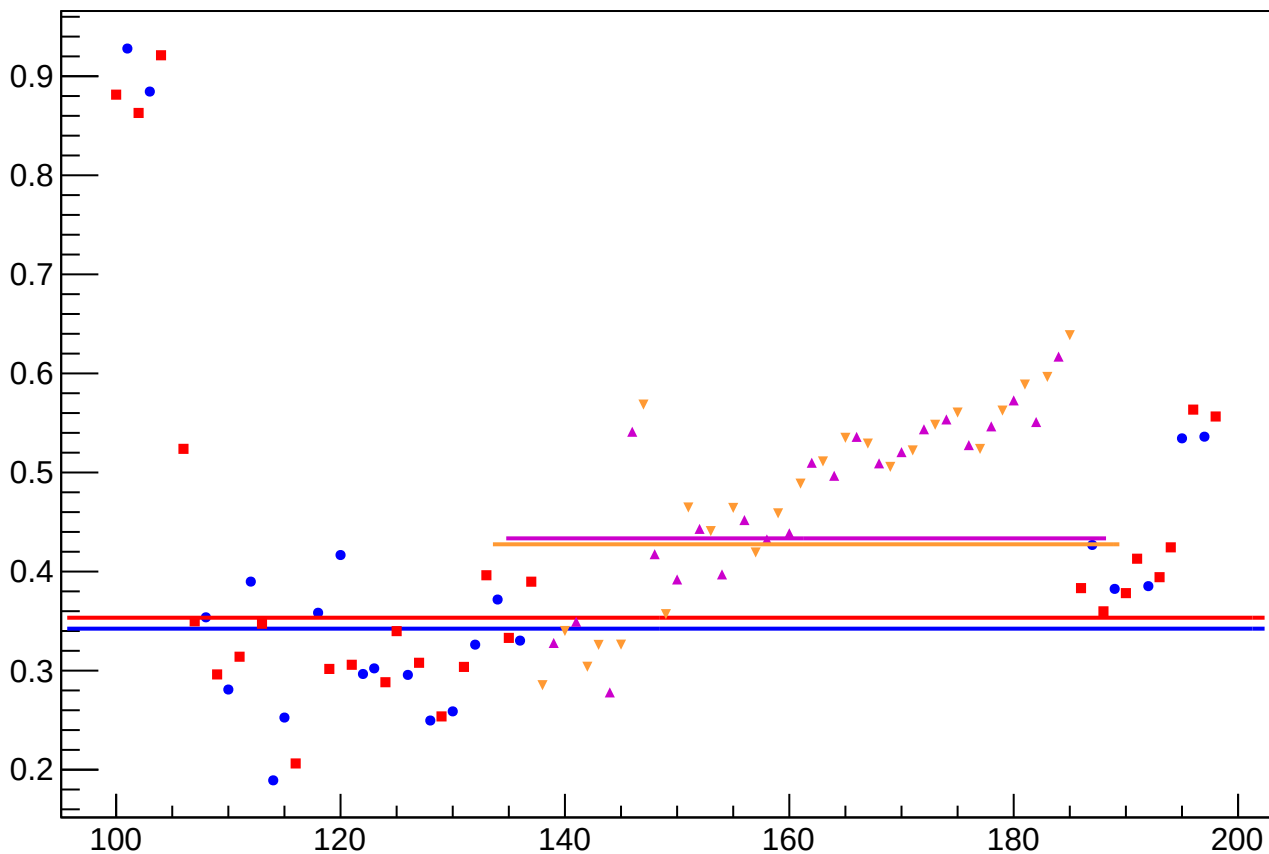
- sign 31.192 $\pm$ 0.004 χ^2 /NDF: 3570946.7/49

yield_bcm_an_ds_mean vs Slug



Right In: 144.017 $\pm$ 0.000	χ^2 /NDF: 3460826086.9/21	+ sign 146.329 $\pm$ 0.000	χ^2 /NDF: 4182080345.1/46
Left Out: 148.074 $\pm$ 0.000	χ^2 /NDF: 65673678.9/24	All: 145.697 $\pm$ 0.000	χ^2 /NDF: 13156022694.
Right Out: 142.441 $\pm$ 0.000	χ^2 /NDF: 7351330614.0/26	- sign 145.091 $\pm$ 0.000	χ^2 /NDF: 8846882644.3/49
Left In: 147.660 $\pm$ 0.000	χ^2 /NDF: 343892338.9/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.342 ± 0.000 χ^2/NDF : 1743748.6/21

Left Out: 0.428 ± 0.000 χ^2/NDF : 1892802.8/24

Right Out: 0.353 ± 0.000 χ^2/NDF : 1822879.5/26

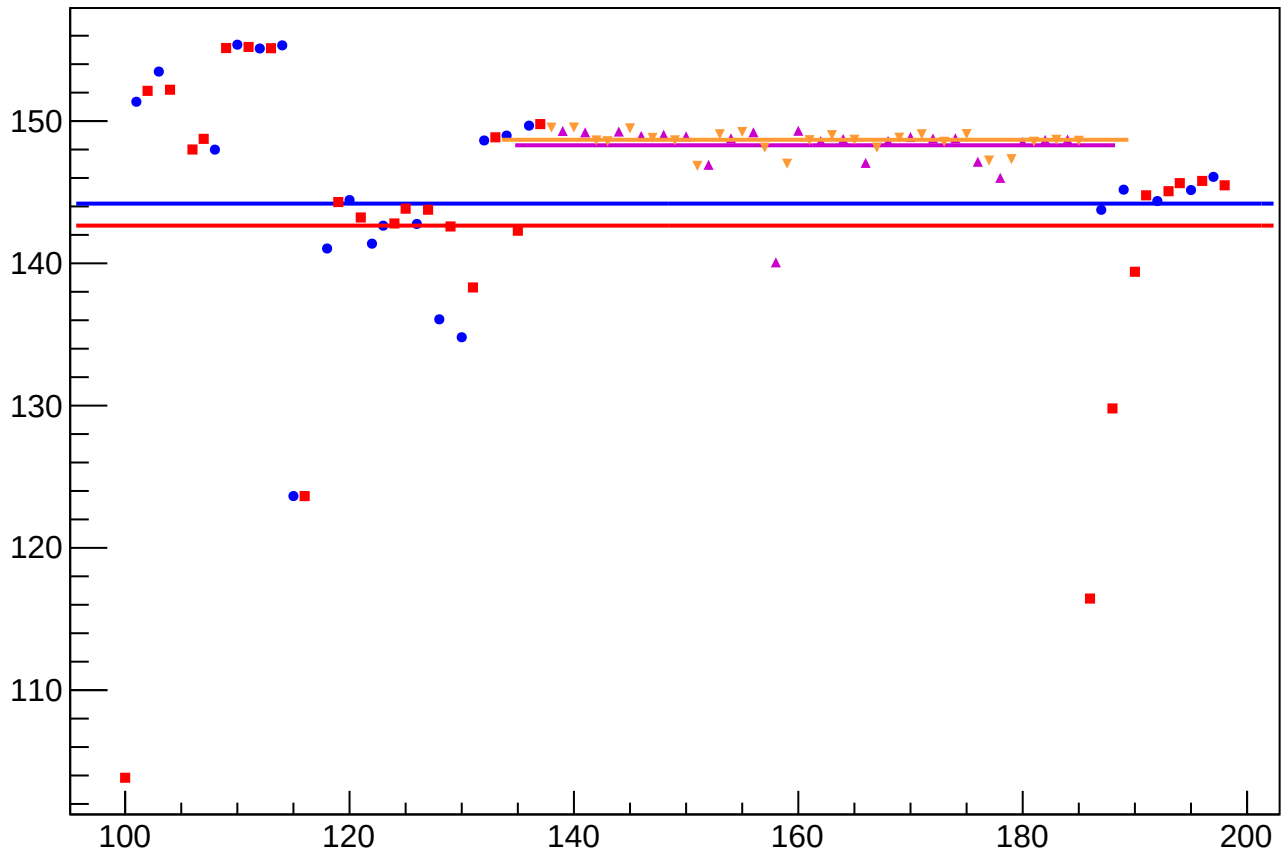
Left In: 0.434 ± 0.000 χ^2/NDF : 1479367.0/22

+ sign 0.391 ± 0.000 χ^2/NDF : 4214215.7/46

All: 0.393 ± 0.000 χ^2/NDF : 8060518.6/96

- sign 0.394 ± 0.000 χ^2/NDF : 3844628.0/49

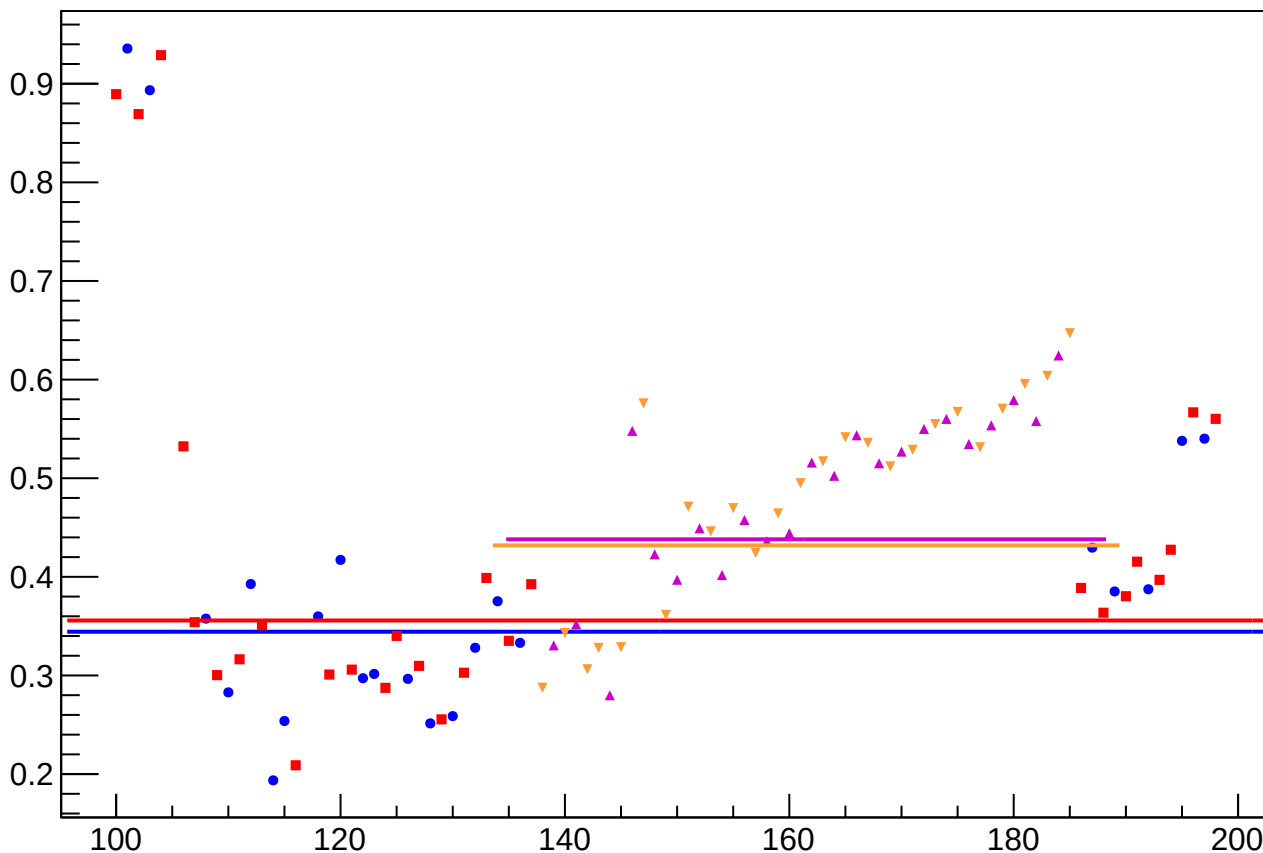
yield_bcm_an_ds3_mean vs Slug



Right In: 144.198 $\pm$ 0.000 χ^2 /NDF: 3506506632.6/21
 Left Out: 148.687 $\pm$ 0.000 χ^2 /NDF: 52285197.5/24
 Right Out: 142.653 $\pm$ 0.000 χ^2 /NDF: 7297489534.7/26
 Left In: 148.298 $\pm$ 0.000 χ^2 /NDF: 332527463.6/22

+ sign 146.746 $\pm$ 0.000 χ^2 /NDF: 4348518218.0/46
 All: 146.114 $\pm$ 0.000 χ^2 /NDF: 13426942947.
 - sign 145.507 $\pm$ 0.000 χ^2 /NDF: 8953466081.9/49

yield_bcm_an_ds3_rms vs Slug



Right In: 0.344 $\pm$ 0.000 χ^2 /NDF: 1746771.8/21

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1924979.0/24

Right Out: 0.356 $\pm$ 0.000 χ^2 /NDF: 1827588.4/26

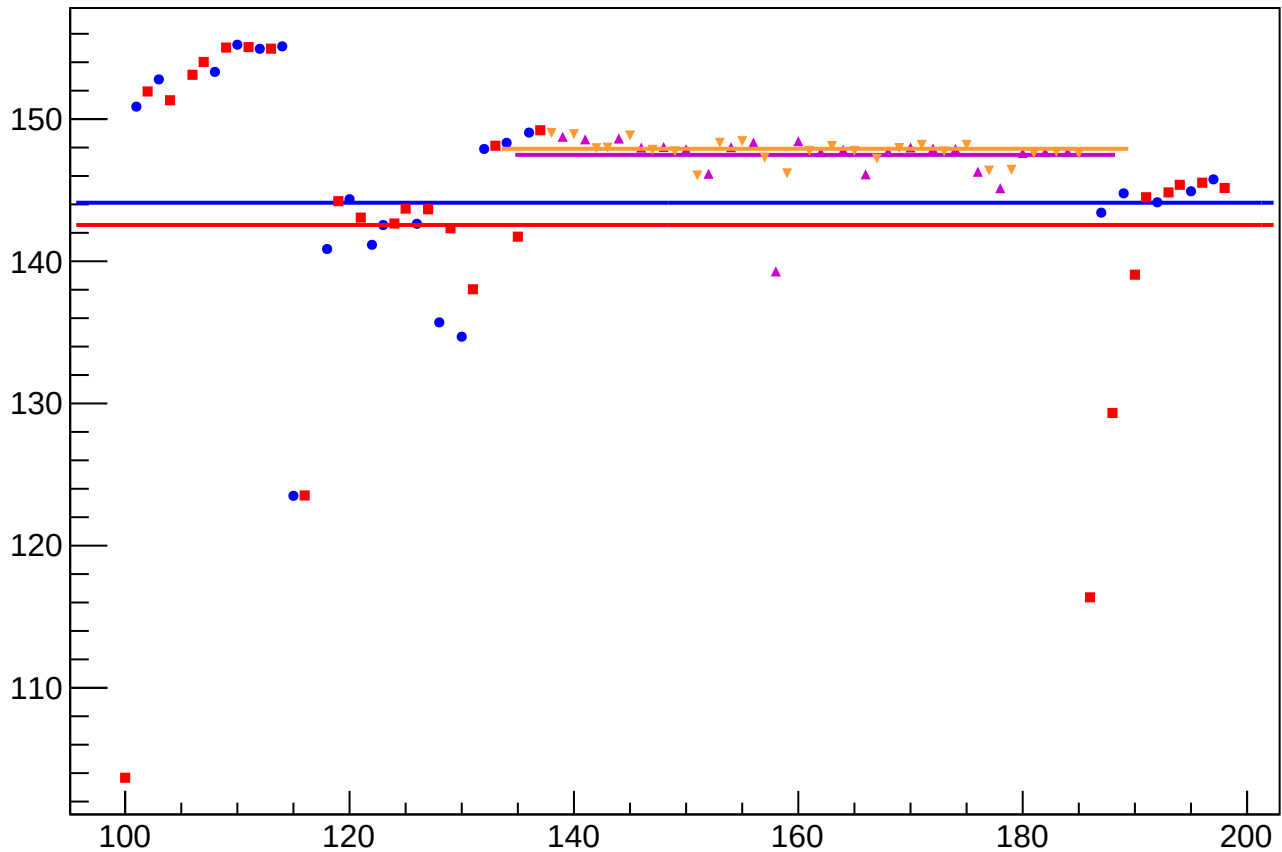
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

+ sign 0.394 $\pm$ 0.000 χ^2 /NDF: 4272761.6/46

All: 0.396 $\pm$ 0.000 χ^2 /NDF: 8169517.6/96

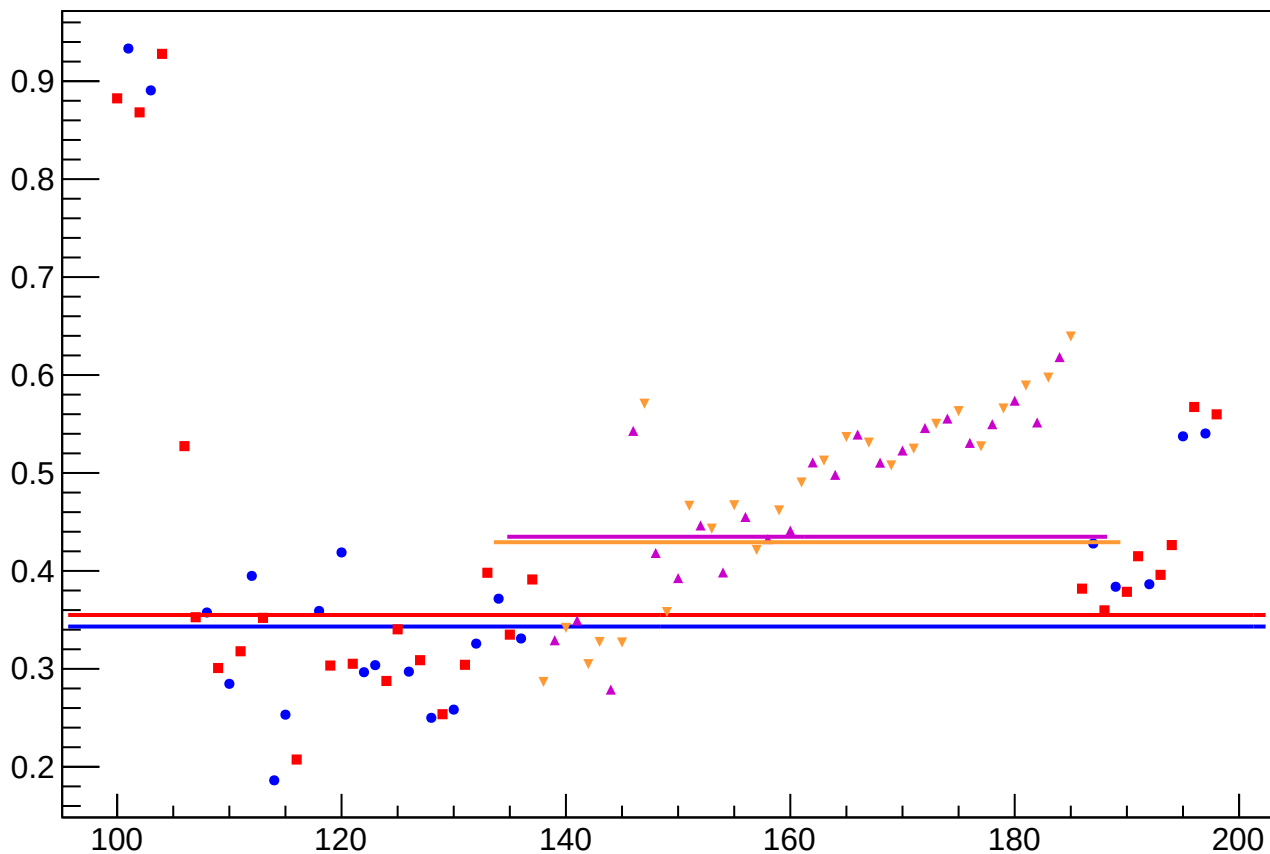
- sign 0.397 $\pm$ 0.000 χ^2 /NDF: 3894967.9/49

yield_bcm_an_us_mean vs Slug



Right In: 144.118 $\pm$ 0.000	χ^2 /NDF: 3671315963.7/21	+ sign 146.279 $\pm$ 0.000	χ^2 /NDF: 4304874449.3/46
Left Out: 147.912 $\pm$ 0.000	χ^2 /NDF: 64463426.1/24	All: 145.657 $\pm$ 0.000	χ^2 /NDF: 13524094337.
Right Out: 142.555 $\pm$ 0.000	χ^2 /NDF: 7735741415.7/26	- sign 145.060 $\pm$ 0.000	χ^2 /NDF: 9097137482.3/49
Left In: 147.483 $\pm$ 0.000	χ^2 /NDF: 342674720.4/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.343 ± 0.000 χ^2/NDF : 1764417.2/21

Left Out: 0.429 ± 0.000 χ^2/NDF : 1891709.3/24

Right Out: 0.355 ± 0.000 χ^2/NDF : 1827162.9/26

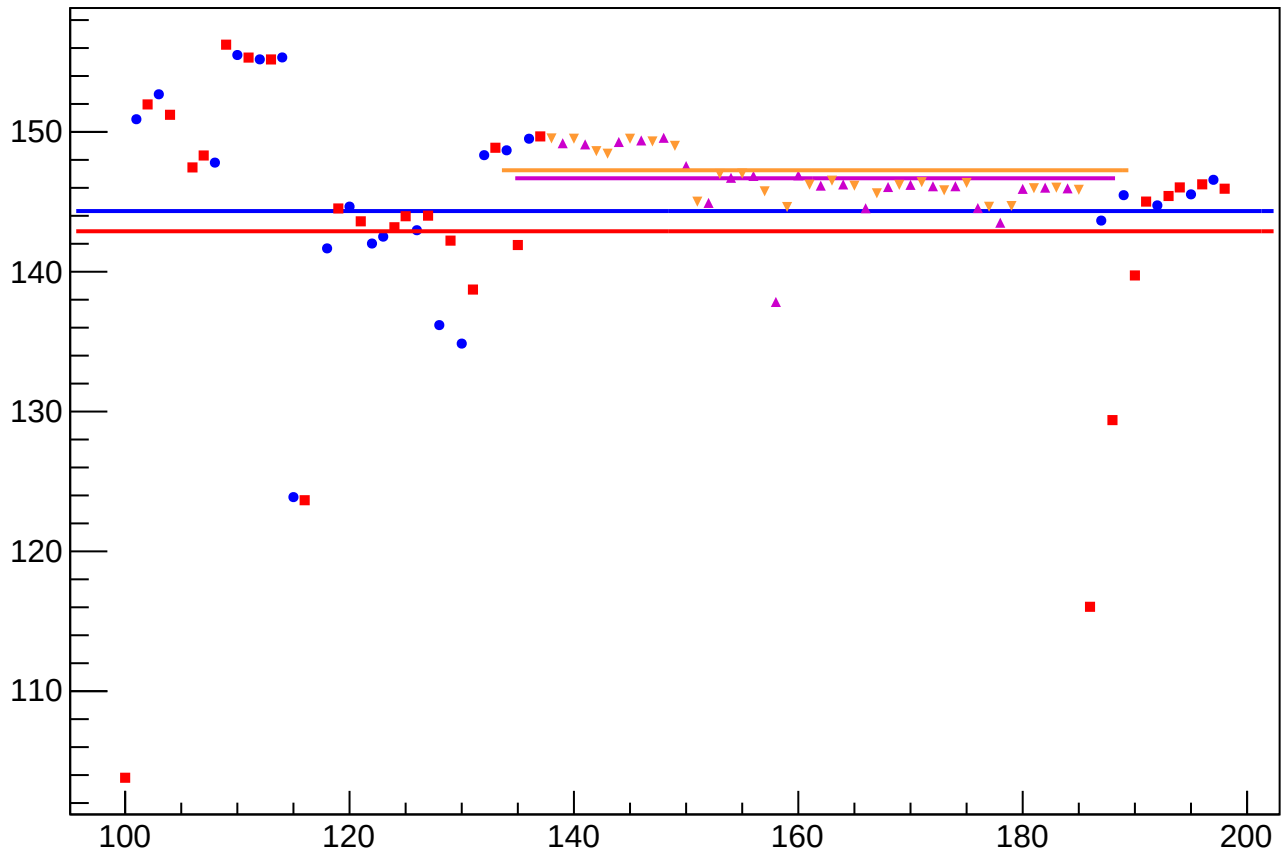
Left In: 0.435 ± 0.000 χ^2/NDF : 1485915.1/22

+ sign 0.392 ± 0.000 χ^2/NDF : 4242269.9/46

All: 0.394 ± 0.000 χ^2/NDF : 8092468.8/96

- sign 0.396 ± 0.000 χ^2/NDF : 3848338.0/49

yield_bcm_dg_us_mean vs Slug



Right In: 144.340 $\pm$ 0.000 χ^2 /NDF: 3180815205.9/21

Left Out: 147.257 $\pm$ 0.000 χ^2 /NDF: 261906278.3/24

Right Out: 142.895 $\pm$ 0.000 χ^2 /NDF: 7057247684.9/26

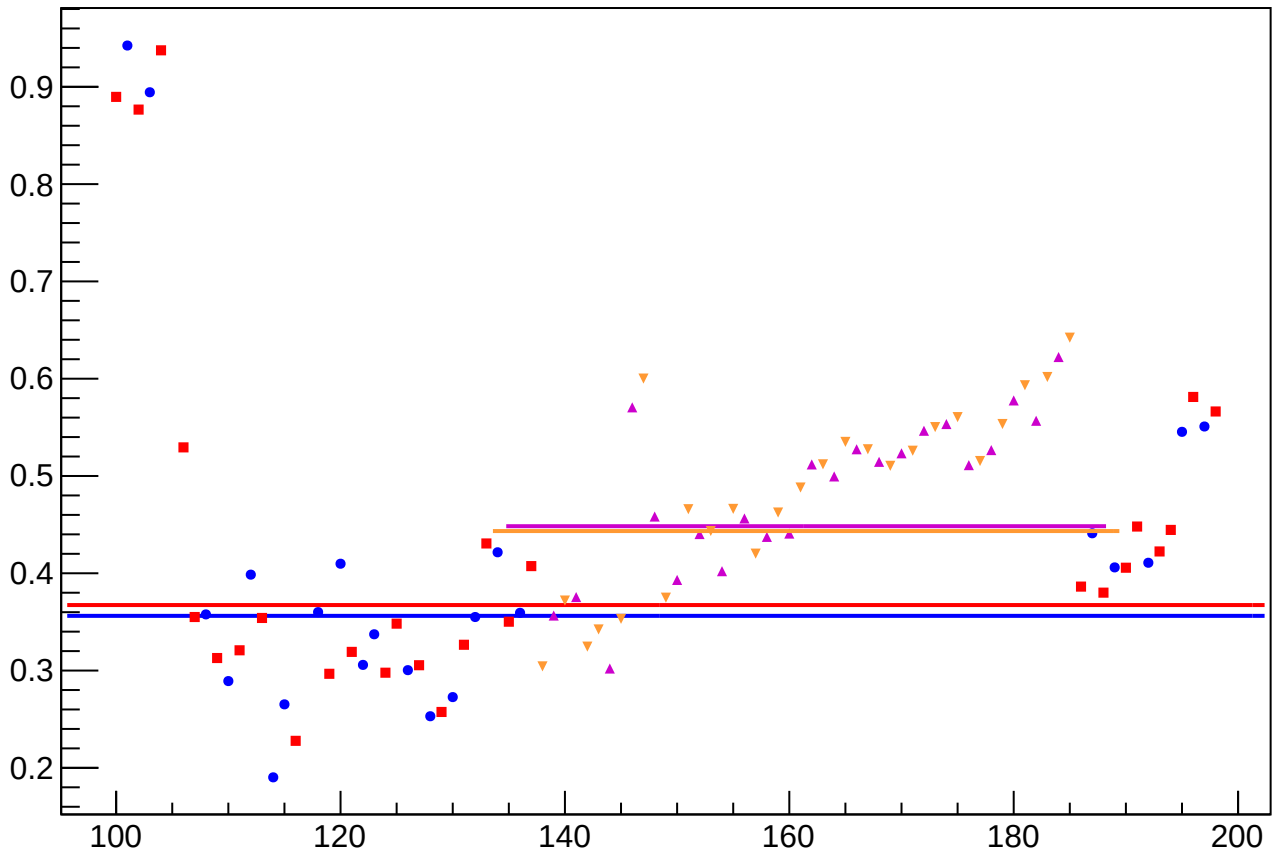
Left In: 146.685 $\pm$ 0.000 χ^2 /NDF: 554922388.0/22

+ sign 146.017 $\pm$ 0.000 χ^2 /NDF: 3757305195.8/46

All: 145.416 $\pm$ 0.000 χ^2 /NDF: 12043067569.

- sign 144.840 $\pm$ 0.000 χ^2 /NDF: 8178845307.3/49

yield_bcm_dg_us_rms vs Slug



Right In: 0.356 ± 0.000 χ^2/NDF : 1735527.4/21

Left Out: 0.443 ± 0.000 χ^2/NDF : 1480479.3/24

Right Out: 0.367 ± 0.000 χ^2/NDF : 1794502.1/26

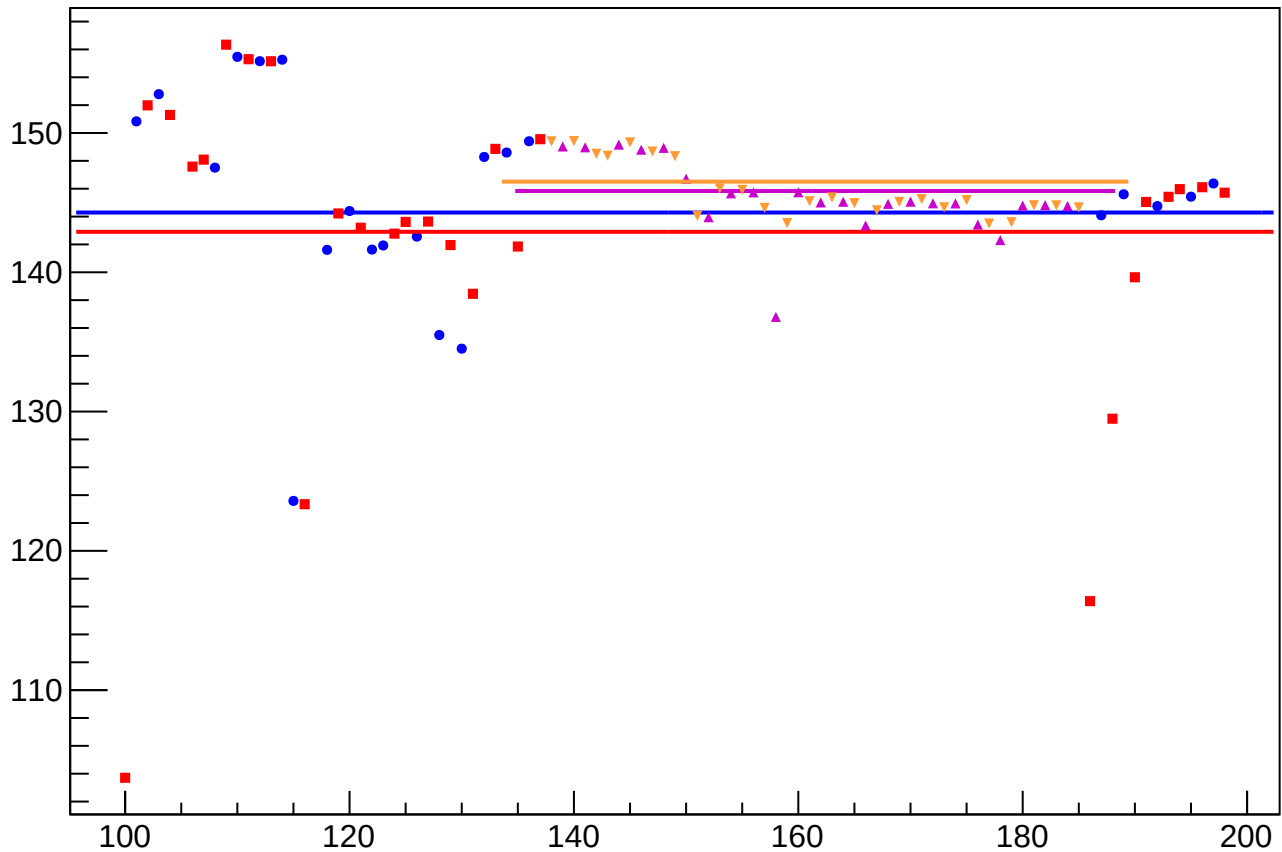
Left In: 0.448 ± 0.000 χ^2/NDF : 1120261.8/22

+ sign 0.406 ± 0.000 χ^2/NDF : 3777450.6/46

All: 0.408 ± 0.000 χ^2/NDF : 7211601.4/96

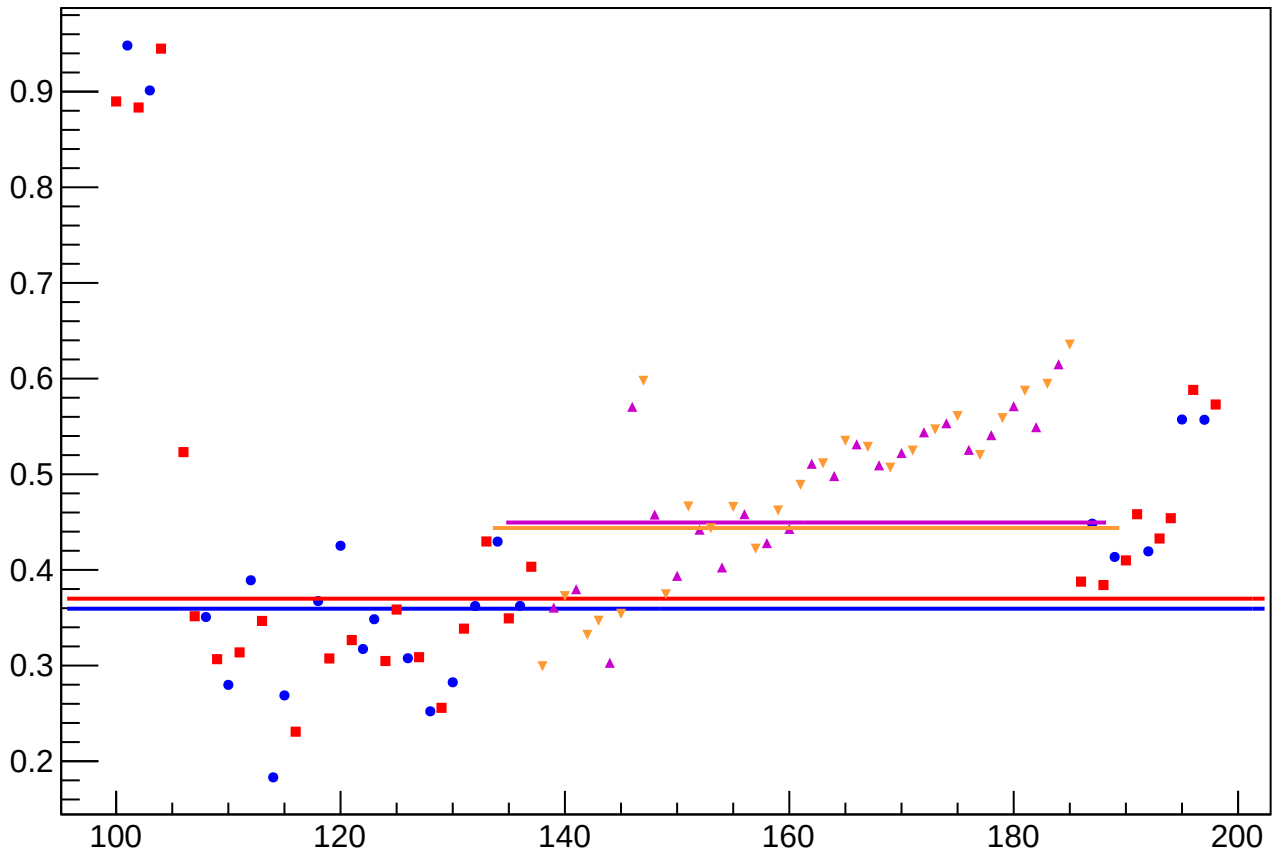
- sign 0.409 ± 0.000 χ^2/NDF : 3433096.5/49

yield_bcm_dg_ds_mean vs Slug



Right In: 144.290 $\pm$ 0.000 χ^2/NDF : 3299111763.3/21
 Left Out: 146.508 $\pm$ 0.000 χ^2/NDF : 401248837.9/24
 Right Out: 142.906 $\pm$ 0.000 χ^2/NDF : 7025129032.4/26
 Left In: 145.834 $\pm$ 0.000 χ^2/NDF : 690172810.0/22
 All: 144.985 $\pm$ 0.000 χ^2/NDF : 12031846230.0
 + sign 145.576 $\pm$ 0.000 χ^2/NDF : 3879674962.2/46
 - sign 144.418 $\pm$ 0.000 χ^2/NDF : 8049719663.7/49

yield_bcm_dg_ds_rms vs Slug



Right In: 0.359 ± 0.000 $\chi^2/\text{NDF}: 1773588.6/21$

Left Out: 0.444 ± 0.000 $\chi^2/\text{NDF}: 1460383.7/24$

Right Out: 0.370 ± 0.000 $\chi^2/\text{NDF}: 1811600.7/26$

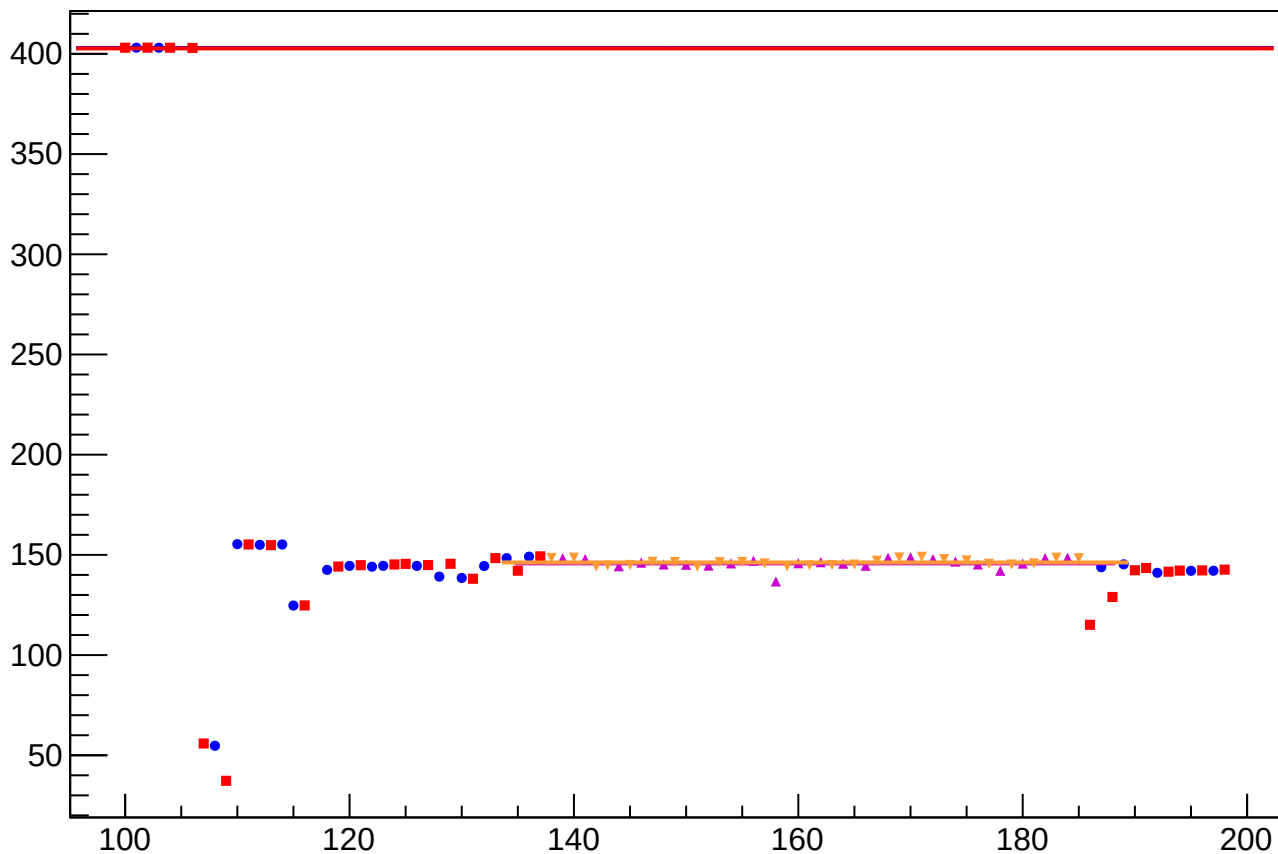
Left In: 0.450 ± 0.000 $\chi^2/\text{NDF}: 1092776.5/22$

+ sign 0.408 ± 0.000 $\chi^2/\text{NDF}: 3752678.6/46$

All: 0.410 ± 0.000 $\chi^2/\text{NDF}: 7152423.7/96$

- sign 0.411 ± 0.000 $\chi^2/\text{NDF}: 3398645.8/49$

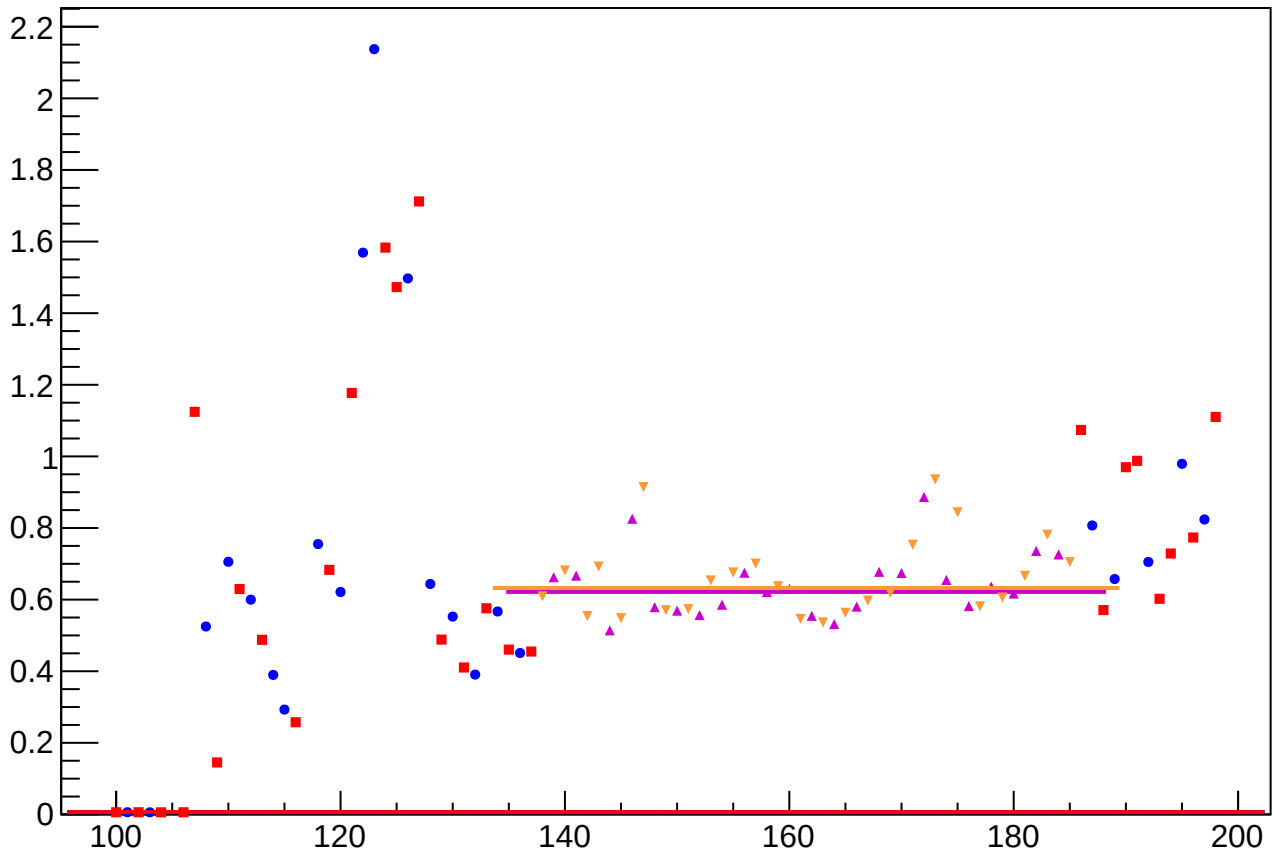
yield_cav4bQ_mean vs Slug



Right In: 402.925+/-0.000 χ^2/NDF : 1357436513583.2/21
 Left Out: 146.216+/-0.000 χ^2/NDF : 86042286.3/24
 Right Out: 402.740+/-0.000 χ^2/NDF : 3648541800756.2/26
 Left In: 145.755+/-0.000 χ^2/NDF : 206171532.0/22

+ sign 402.630+/-0.000 χ^2/NDF : 3718139937780.9
 All: 402.552+/-0.000 χ^2/NDF : 969568461120
 - sign 402.484+/-0.000 χ^2/NDF : 5977189811902.8/

yield_cav4bQ_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 13738240.5/21

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 17298144.2/26

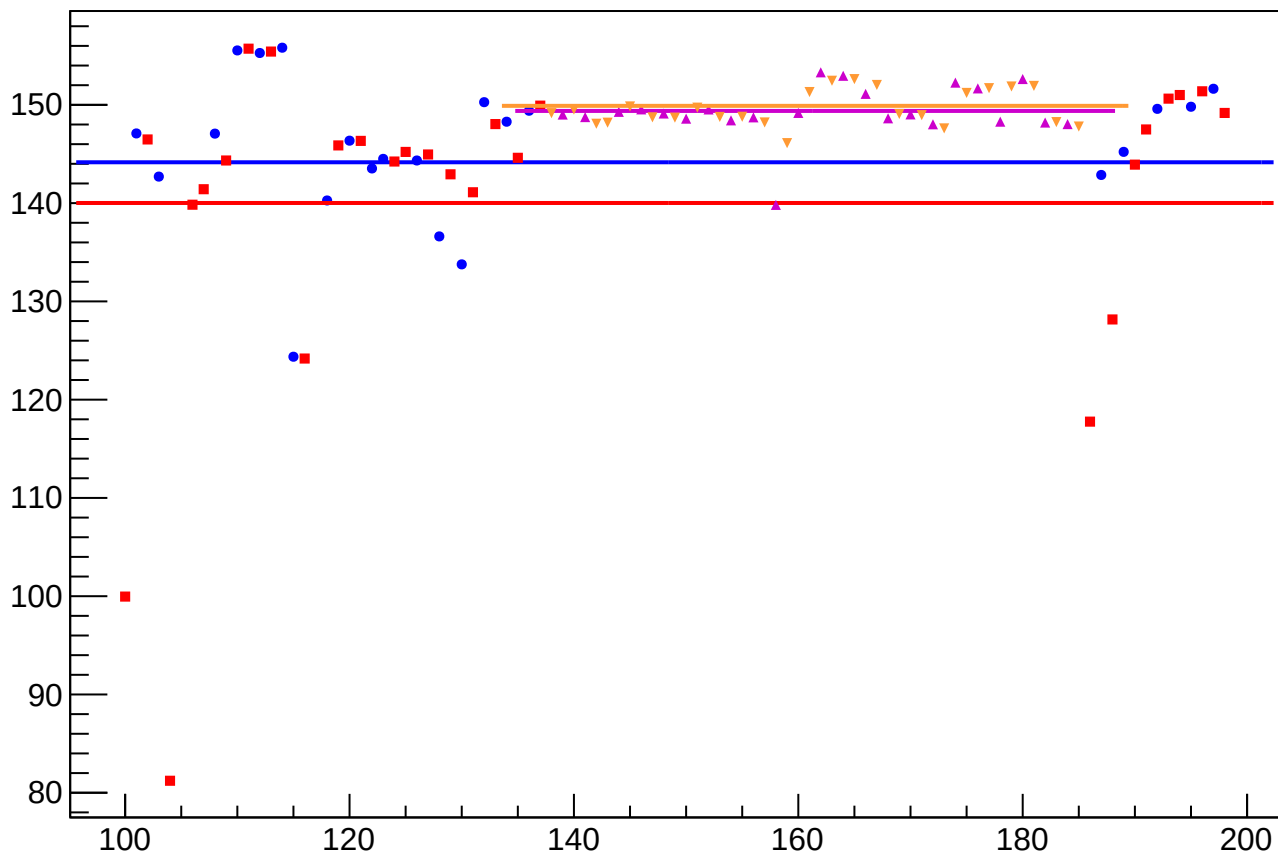
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 42424730.4/46

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 86803899.8/96

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 44379064.4/49

yield_cav4cQ_mean vs Slug



Right In: 144.157+/-0.000 χ^2/NDF : 1192512146.1/21

Left Out: 149.900+/-0.000 χ^2/NDF : 162845622.6/24

Right Out: 140.015+/-0.000 χ^2/NDF : 2985105628.7/26

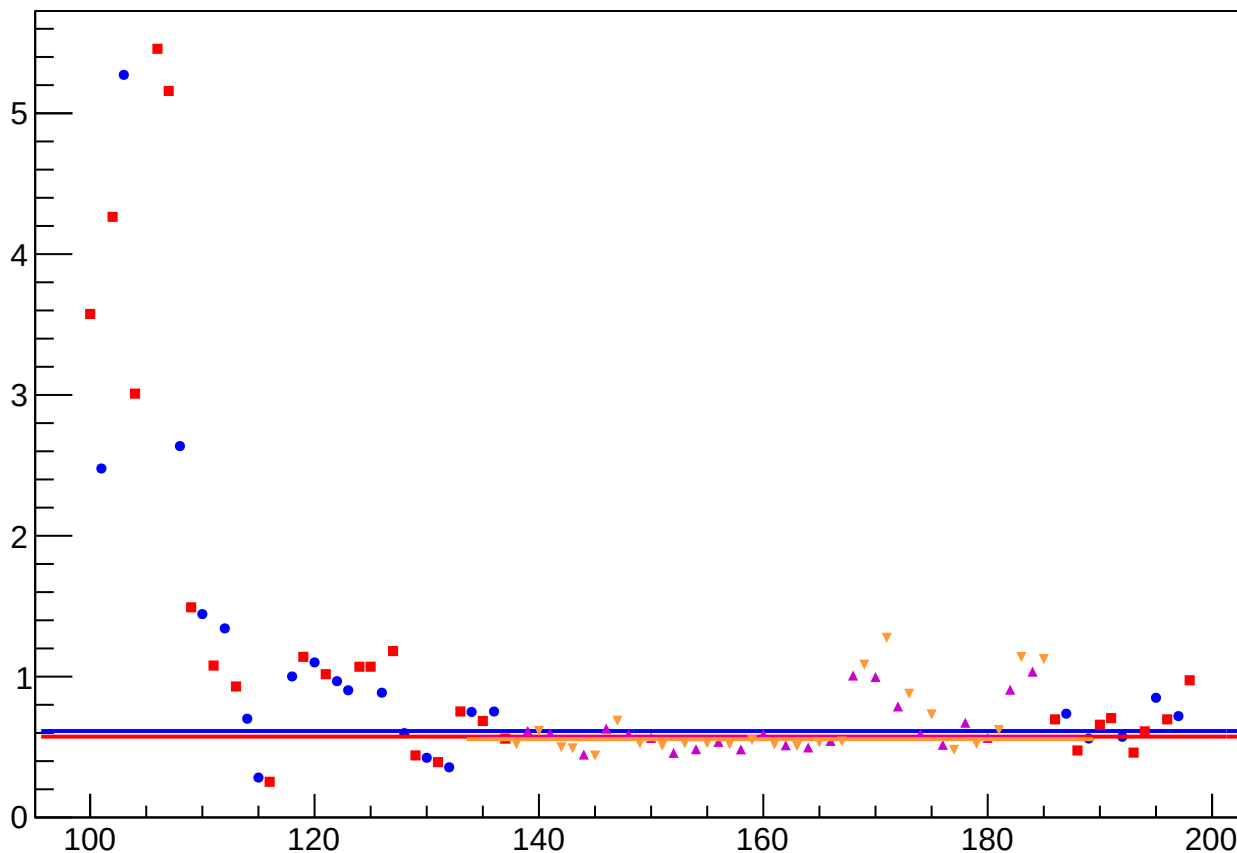
Left In: 149.382+/-0.000 χ^2/NDF : 434657827.5/22

+ sign 148.549+/-0.000 χ^2/NDF : 1749004750.9/46

All: 147.439+/-0.000 χ^2/NDF : 6657743386.9

- sign 146.380+/-0.000 χ^2/NDF : 4748983015.3/49

yield_cav4cQ_rms vs Slug



Right In: 0.614 $\pm$ 0.000 χ^2 /NDF: 3683965.1/21

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773688.1/24

Right Out: 0.574 $\pm$ 0.000 χ^2 /NDF: 5112745.7/26

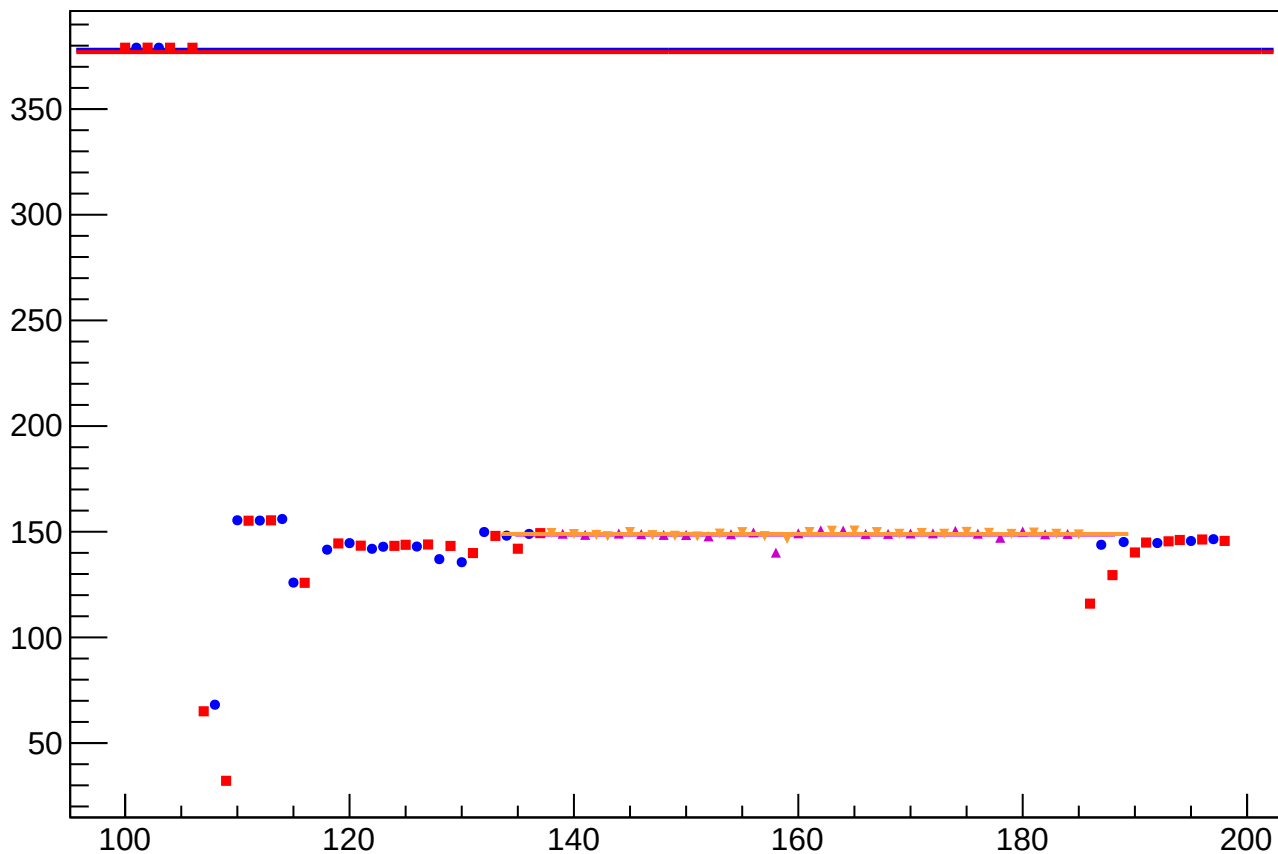
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1305573.4/22

+ sign 0.569 $\pm$ 0.000 χ^2 /NDF: 5538038.3/46

All: 0.567 $\pm$ 0.000 χ^2 /NDF: 11961681.5/96

- sign 0.566 $\pm$ 0.000 χ^2 /NDF: 6422832.4/49

yield_cav4dQ_mean vs Slug



Right In: 378.073+/-0.000 χ^2/NDF : 3157974702136.3/21

Left Out: 148.944+/-0.000 χ^2/NDF : 63976941.3/24

Right Out: 376.946+/-0.000 χ^2/NDF : 9521016592574.0/26

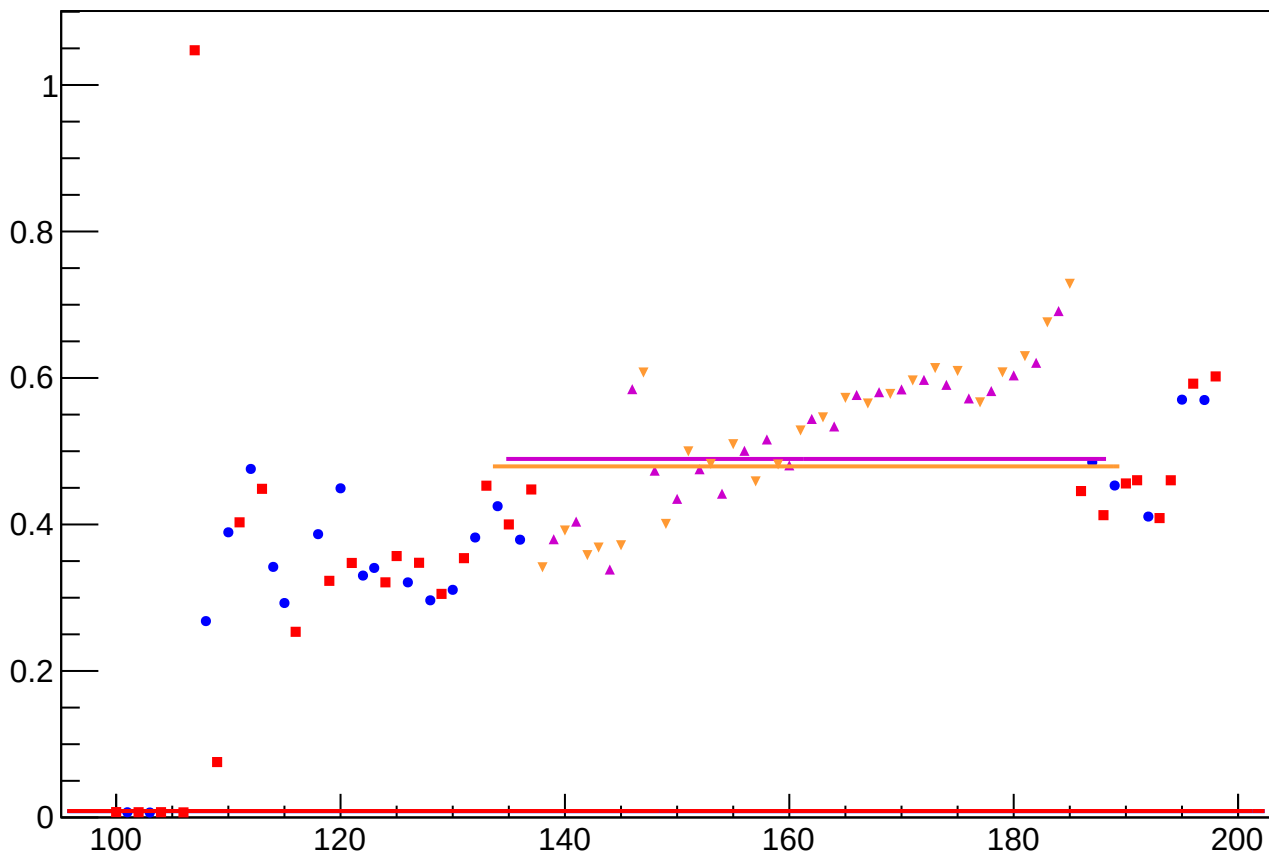
Left In: 148.672+/-0.000 χ^2/NDF : 252846428.3/22

+ sign 376.796+/-0.000 χ^2/NDF : 7058058843751.4

All: 376.332+/-0.000 χ^2/NDF : 20132859338

- sign 375.924+/-0.000 χ^2/NDF : 13069373347894.9

yield_cav4dQ_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 15353961.3/21

Left Out: 0.479+/-0.000 χ^2/NDF :1516566.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 18834408.9/26

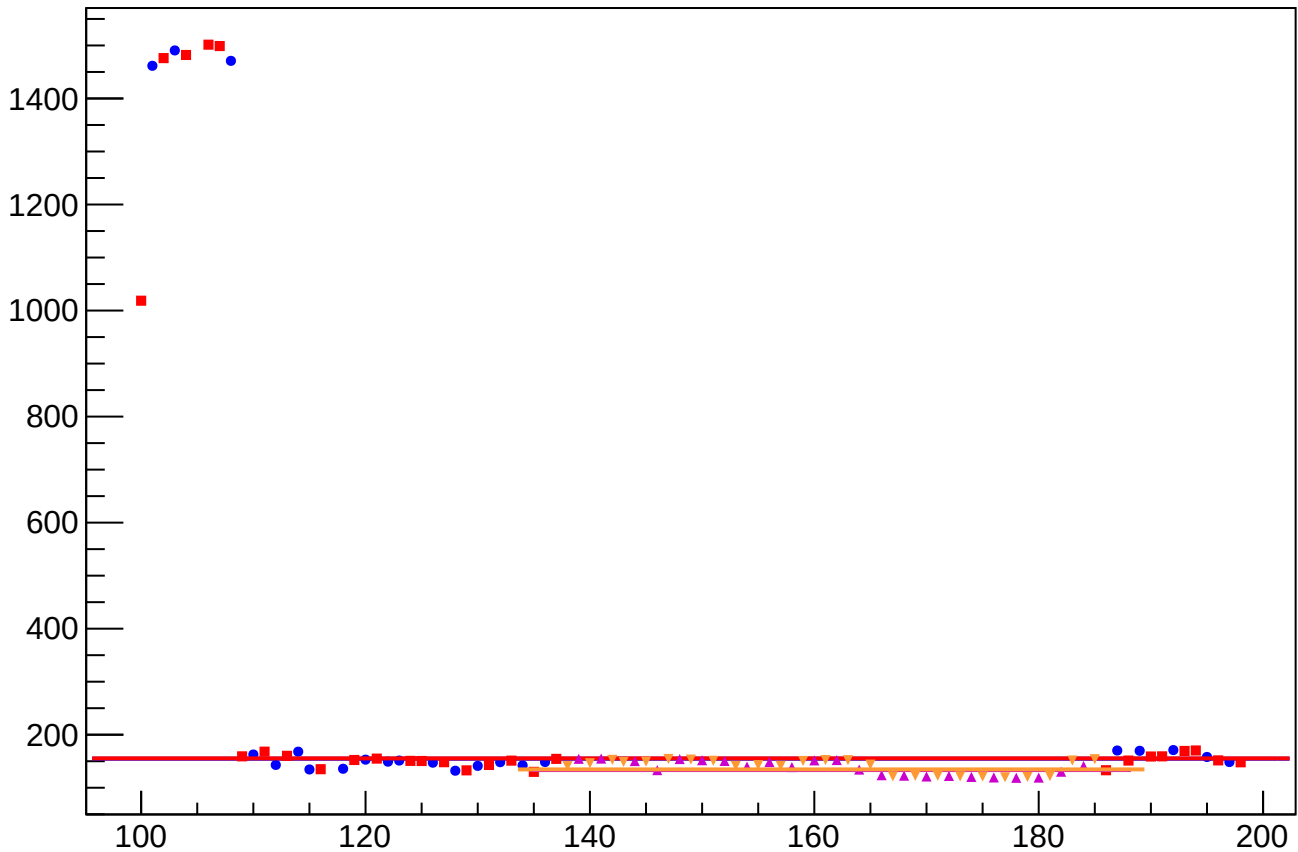
Left In: 0.489+/-0.000 χ^2/NDF :1076134.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 49795246.5/46

All: 0.011+/-0.000 χ^2/NDF : 101169190.7/96

- sign 0.011+/-0.000 χ^2/NDF : 51373249.5/49

yield_bcm0l02_mean vs Slug



Right In: 154.727 $\pm$ 0.000 χ^2 /NDF: 25452281513.3/21

Left Out: 134.554 $\pm$ 0.000 χ^2 /NDF: 4376966869.3/24

Right Out: 155.350 $\pm$ 0.000 χ^2 /NDF: 34742469932.2/26

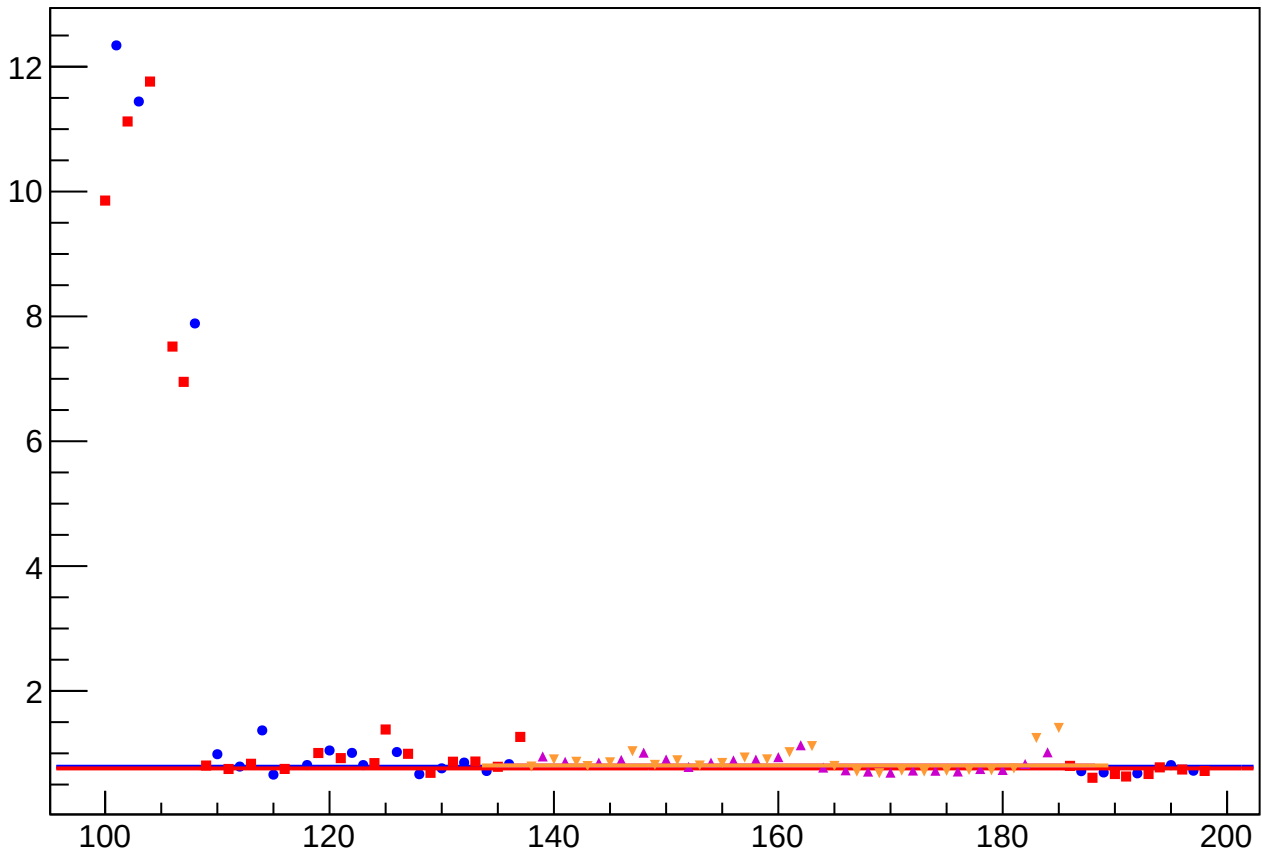
Left In: 133.337 $\pm$ 0.000 χ^2 /NDF: 4303812119.2/22

+ sign 140.679 $\pm$ 0.000 χ^2 /NDF: 32759540611.4/46

All: 141.346 $\pm$ 0.000 χ^2 /NDF: 76147570101.4/49

- sign 141.953 $\pm$ 0.000 χ^2 /NDF: 43359130493.4/49

yield_bcm0l02_rms vs Slug



Right In: 0.785 $\pm$ 0.000 χ^2 /NDF: 2763611.7/21

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF: 690578.5/24

Right Out: 0.759 $\pm$ 0.000 χ^2 /NDF: 3128366.7/26

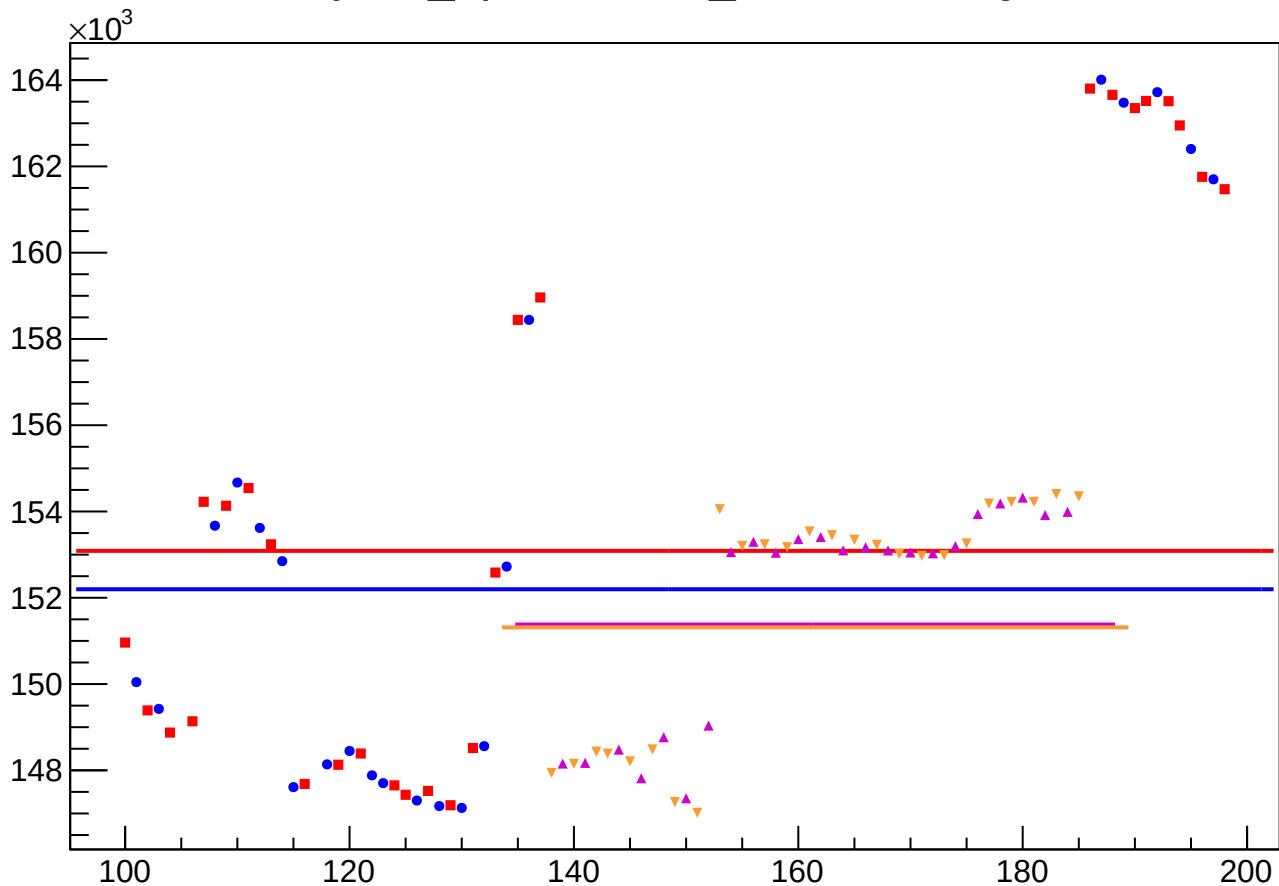
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF: 480510.8/22

+ sign 0.800 $\pm$ 0.000 χ^2 /NDF: 3460312.0/46

All: 0.793 $\pm$ 0.000 χ^2 /NDF: 7113250.8/96

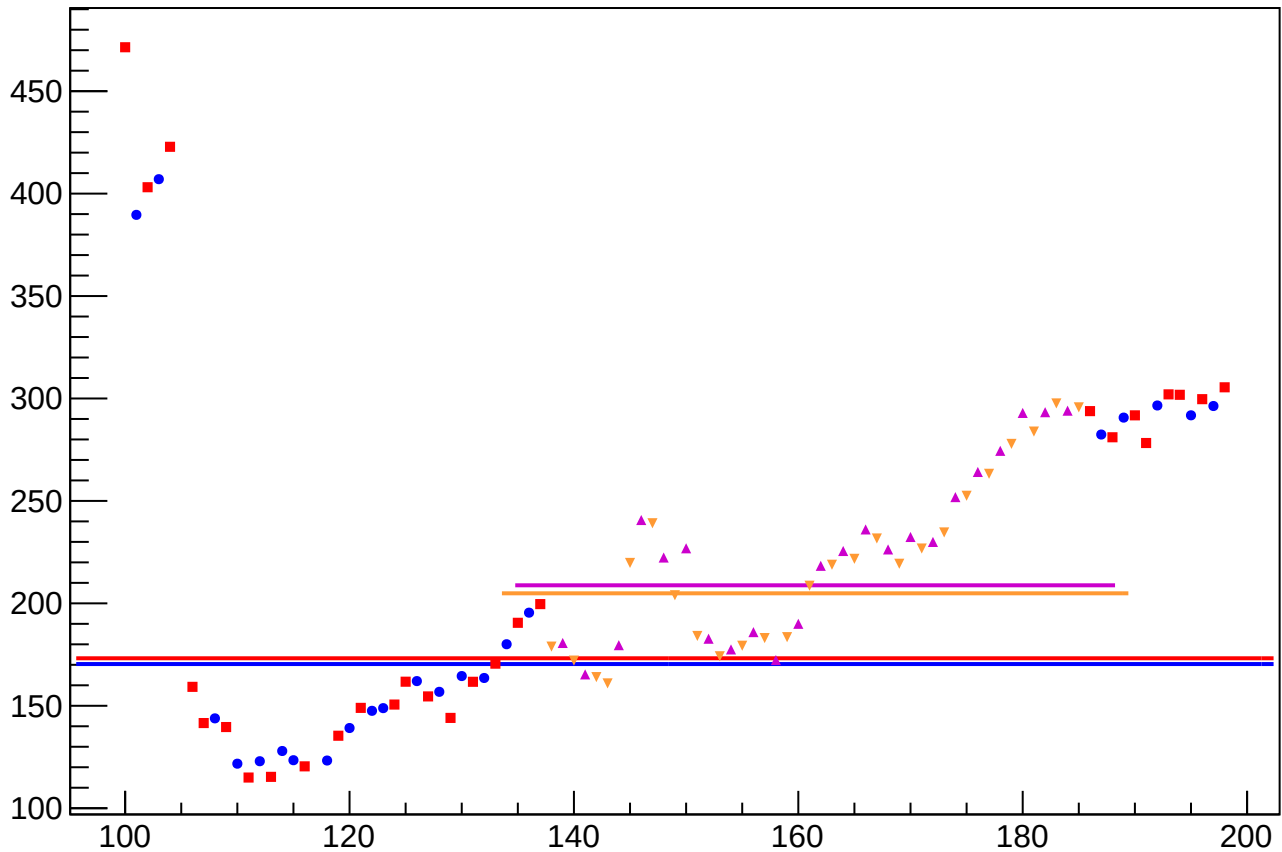
- sign 0.787 $\pm$ 0.000 χ^2 /NDF: 3646780.4/49

yield_bpm0i01WS_mean vs Slug



Right In: 152197.455 $\pm$ 0.059 χ^2 /NDF: 7963160478.1/21
 Left Out: 151313.284 $\pm$ 0.049 χ^2 /NDF: 3153768134.8/24
 Right Out: 153087.207 $\pm$ 0.054 χ^2 /NDF: 9964397250.7/26
 Left In: 151380.236 $\pm$ 0.051 χ^2 /NDF: 2363895785.3/22

yield_bpm0i01WS_rms vs Slug



Right In: 170.373+/-0.042 χ^2/NDF : 2388514.7/21

Left Out: 204.900+/-0.034 χ^2/NDF : 1056380.8/24

Right Out: 173.189+/-0.038 χ^2/NDF : 3257536.4/26

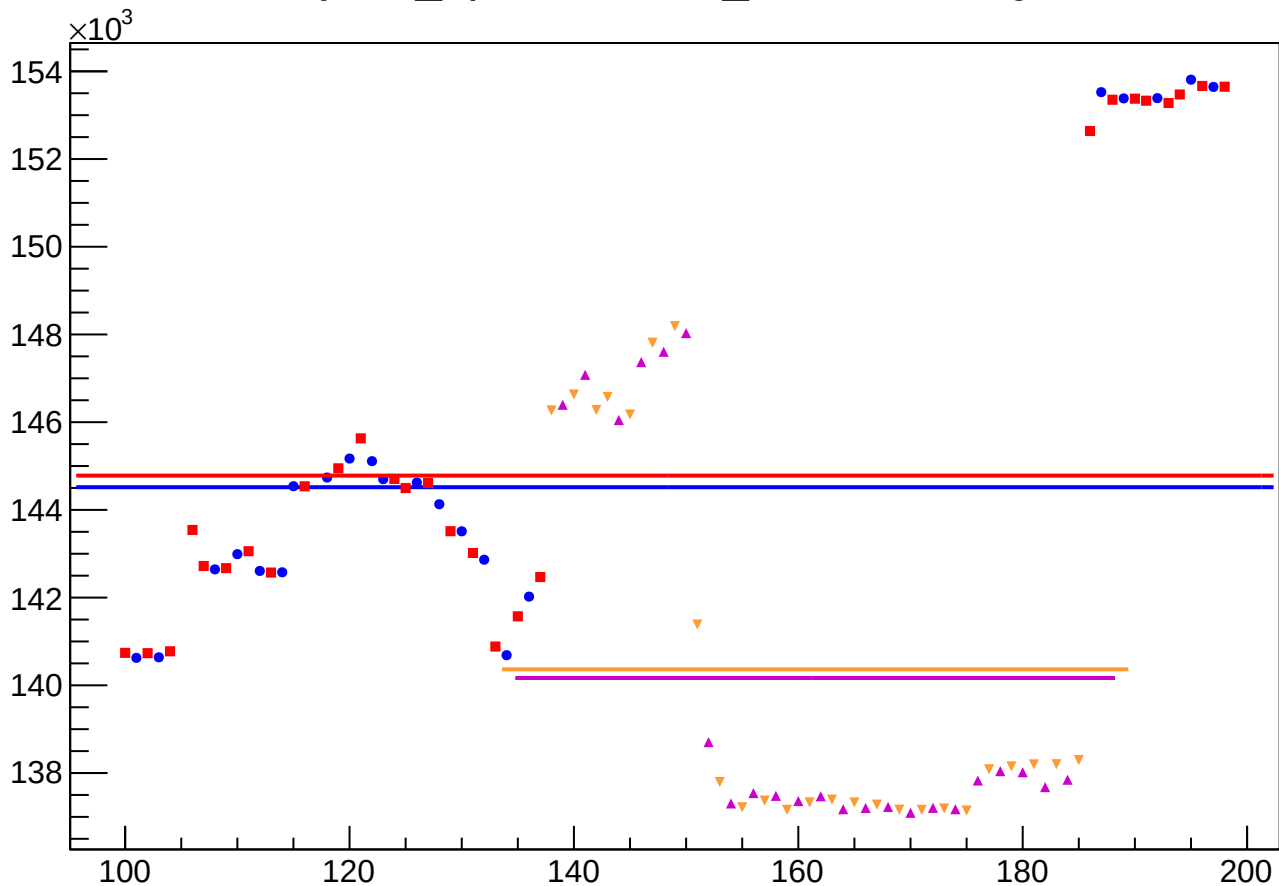
Left In: 208.813+/-0.036 χ^2/NDF : 1001936.6/22

+ sign 190.927+/-0.027 χ^2/NDF : 3851969.4/46

All: 191.512+/-0.019 χ^2/NDF : 8567148.6/96

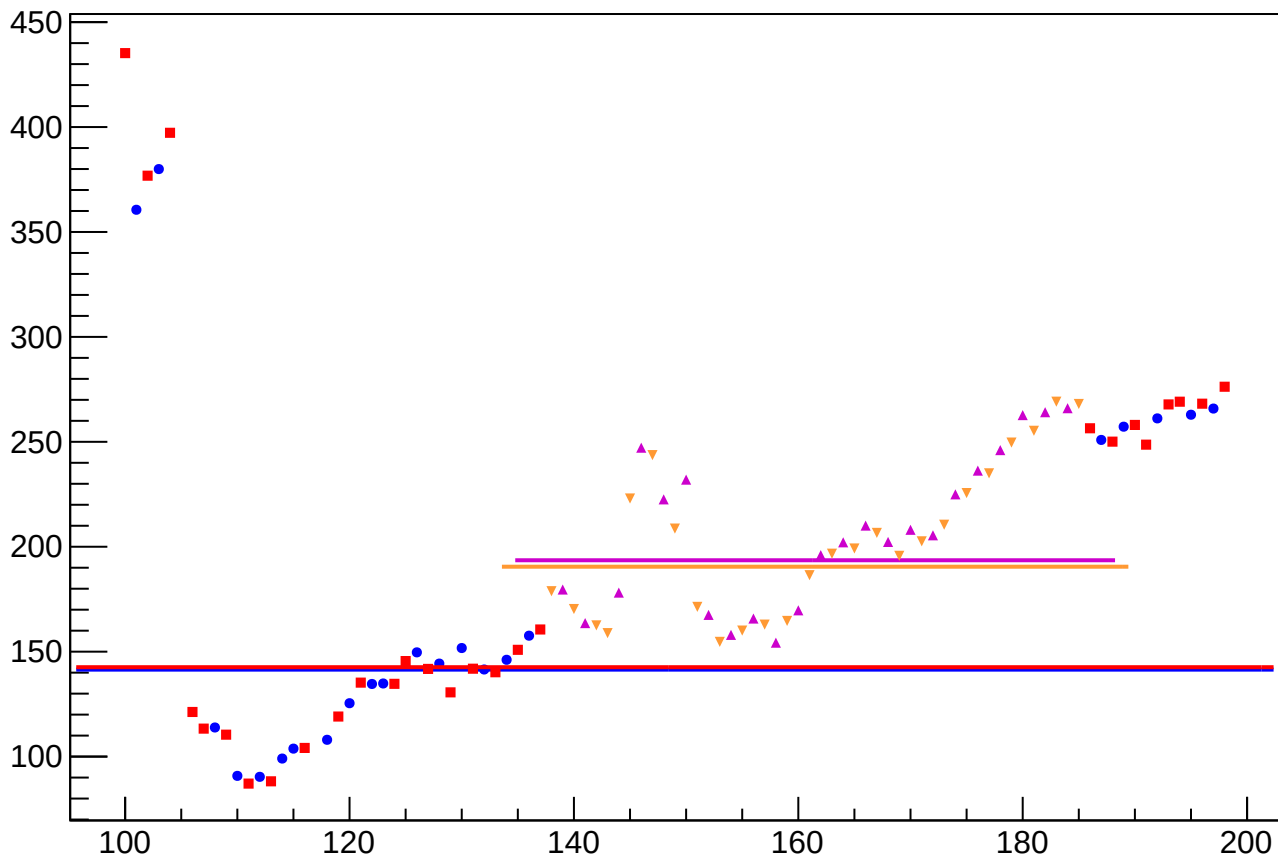
- sign 192.088+/-0.026 χ^2/NDF : 4714217.1/49

yield_bpm0i01aWS_mean vs Slug



Right In: 144517.231 $\pm$ 0.050 χ^2 /NDF: 4653661193.3/21
 Left Out: 140364.444 $\pm$ 0.045 χ^2 /NDF: 8677078677.7/24
 Right Out: 144781.830 $\pm$ 0.045 χ^2 /NDF: 6891244310.8/26
 Left In: 140166.971 $\pm$ 0.047 χ^2 /NDF: 8028464654.6/22
 All: 142414.534 $\pm$ 0.023 χ^2 /NDF: 370618627
 + sign 142242.166 $\pm$ 0.033 χ^2 /NDF: 17144451329.
 - sign 142579.844 $\pm$ 0.033 χ^2 /NDF: 19865449766.0

yield_bpm0i01aWS_rms vs Slug



Right In: 141.442 $\pm$ 0.035 χ^2 /NDF: 2898618.8/21

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF: 950233.2/24

Right Out: 142.594 $\pm$ 0.032 χ^2 /NDF: 3931994.7/26

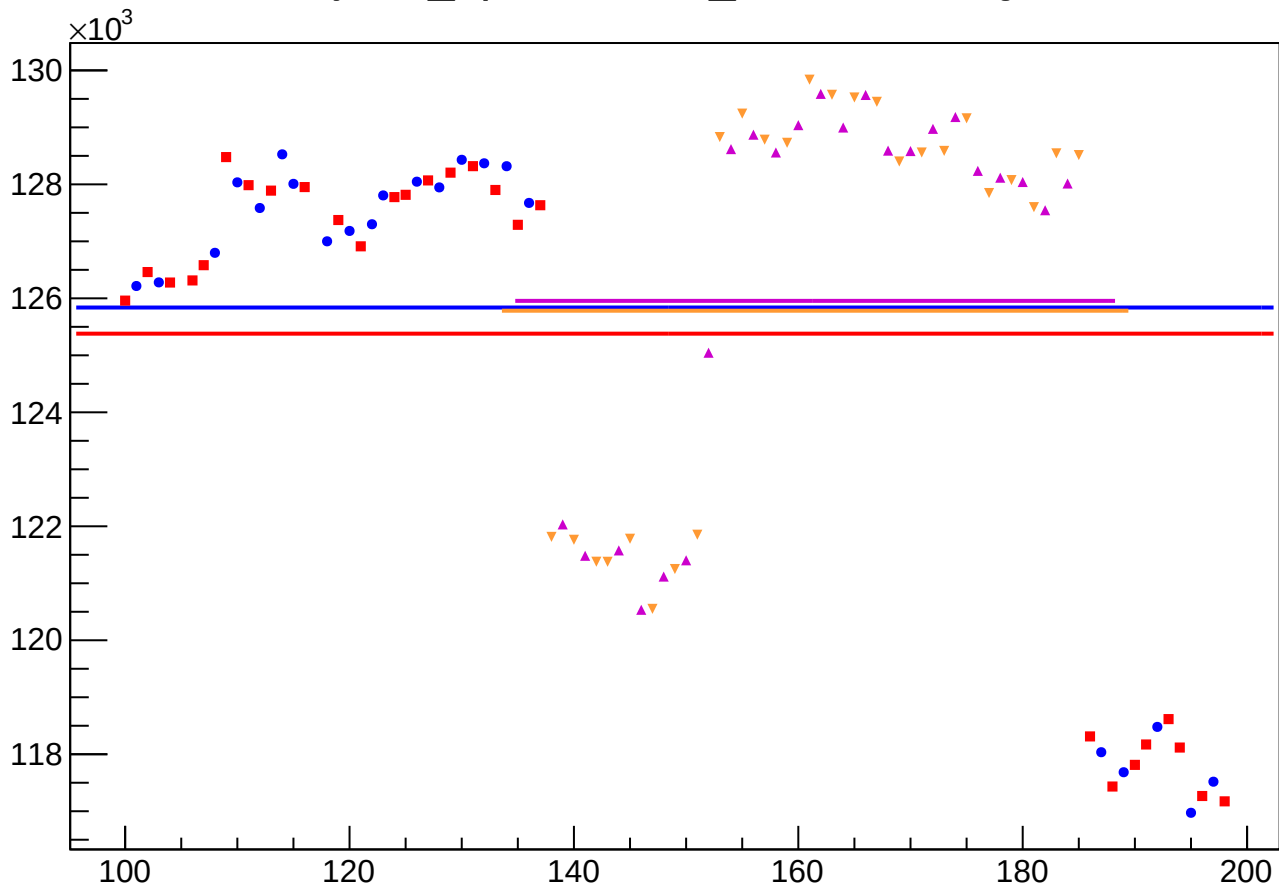
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

+ sign 168.310 $\pm$ 0.024 χ^2 /NDF: 4912687.0/46

All: 167.596 $\pm$ 0.017 χ^2 /NDF: 11016484.9/96

- sign 166.912 $\pm$ 0.023 χ^2 /NDF: 6102015.7/49

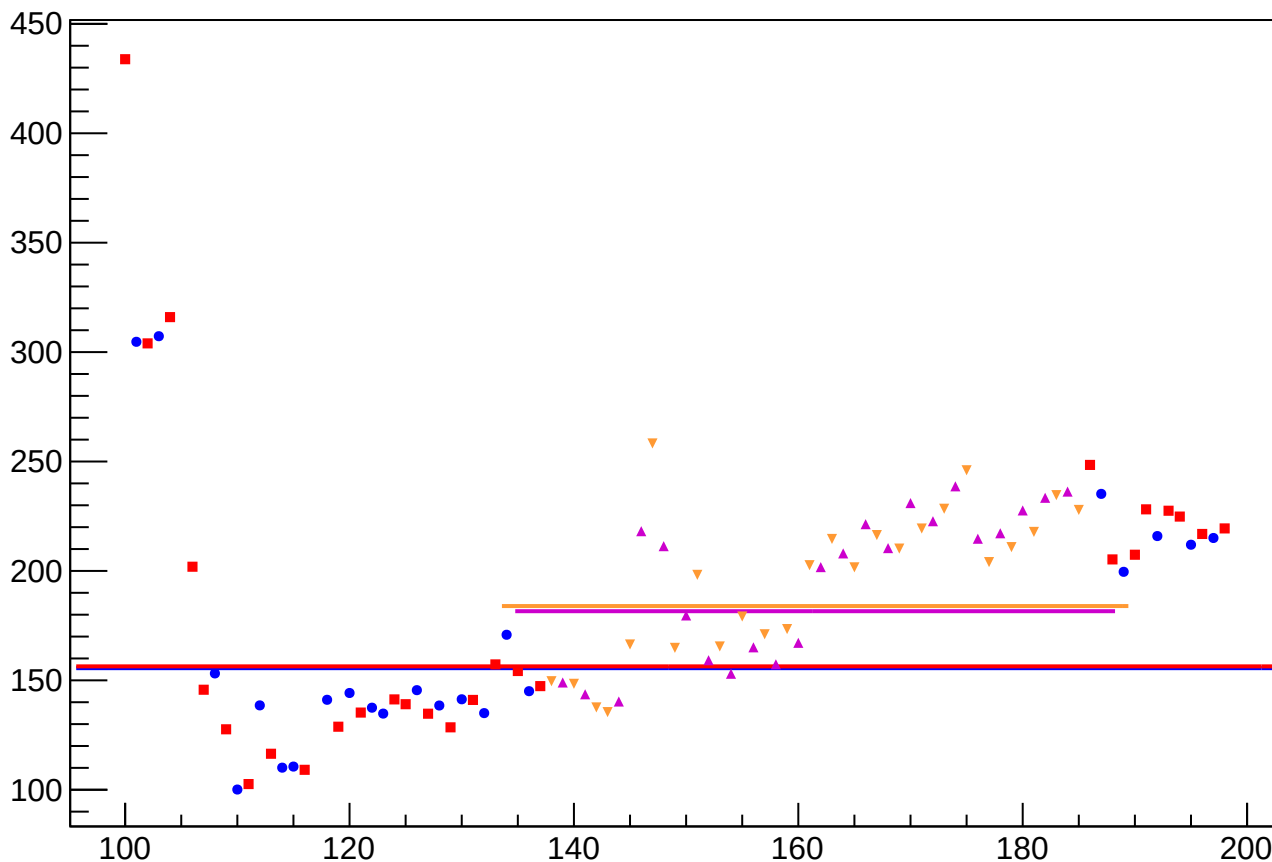
yield_bpm0l01WS_mean vs Slug



Right In: 125838.865 $\pm$ 0.052 χ^2 /NDF: 5637518961.1/21
 Left Out: 125782.764 $\pm$ 0.044 χ^2 /NDF: 6729761889.8/24
 Right Out: 125380.130 $\pm$ 0.048 χ^2 /NDF: 7998067879.3/26
 Left In: 125955.637 $\pm$ 0.045 χ^2 /NDF: 5804088930.1/22

+ sign 125805.927 $\pm$ 0.034 χ^2 /NDF: 12367951935.
 All: 125744.029 $\pm$ 0.023 χ^2 /NDF: 26253953.
 - sign 125685.947 $\pm$ 0.033 χ^2 /NDF: 13879469390.6

yield_bpm0l01WS_rms vs Slug



Right In: 155.565 $\pm$ 0.037 χ^2 /NDF: 1382747.3/21

Left Out: 183.947 $\pm$ 0.031 χ^2 /NDF:1123194.0/24

Right Out: 156.387 $\pm$ 0.034 χ^2 /NDF: 2050682.5/26

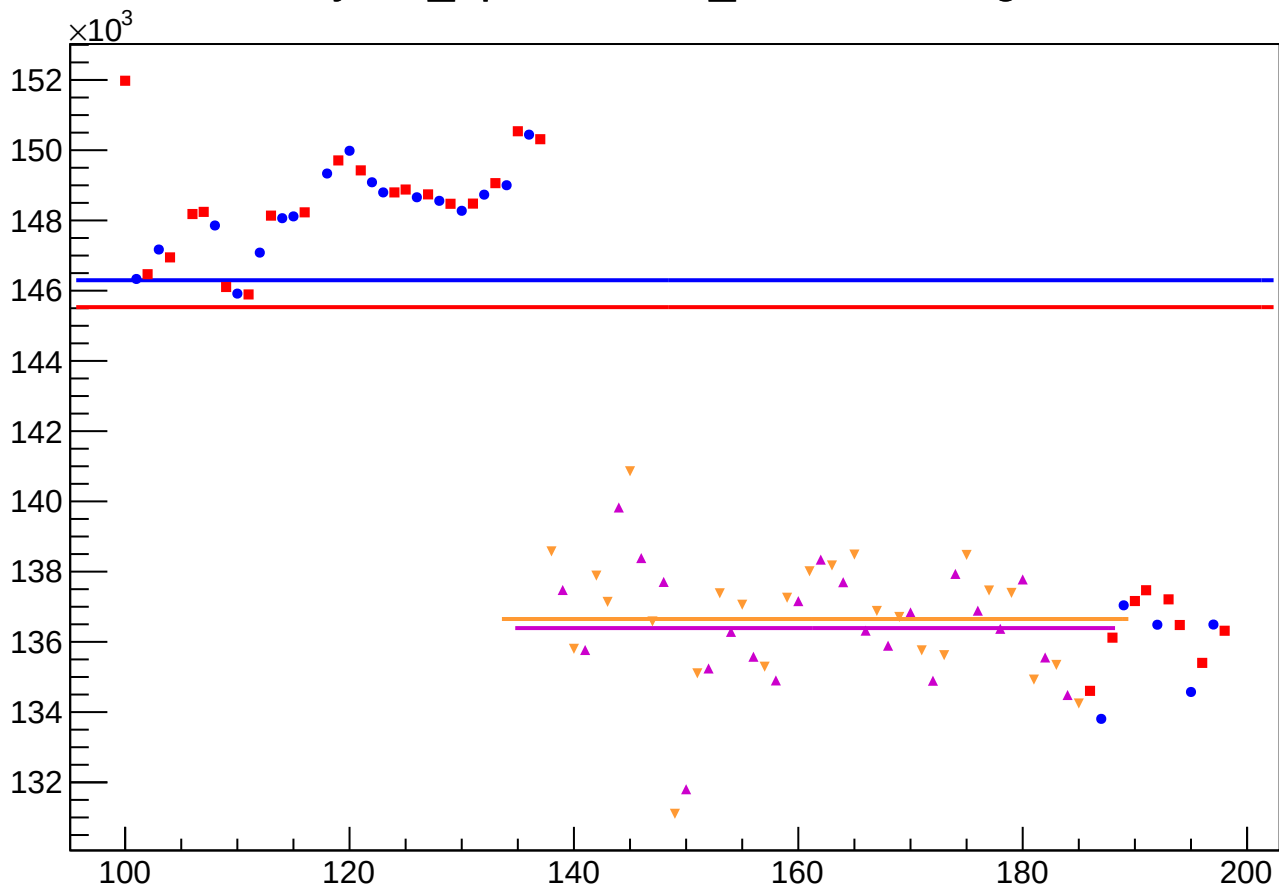
Left In: 181.596 $\pm$ 0.032 χ^2 /NDF:1103524.3/22

+ sign 172.229 $\pm$ 0.024 χ^2 /NDF: 2849453.2/46

All: 170.967 $\pm$ 0.017 χ^2 /NDF: 6305759.8/96

- sign 169.783 $\pm$ 0.023 χ^2 /NDF: 3450875.8/49

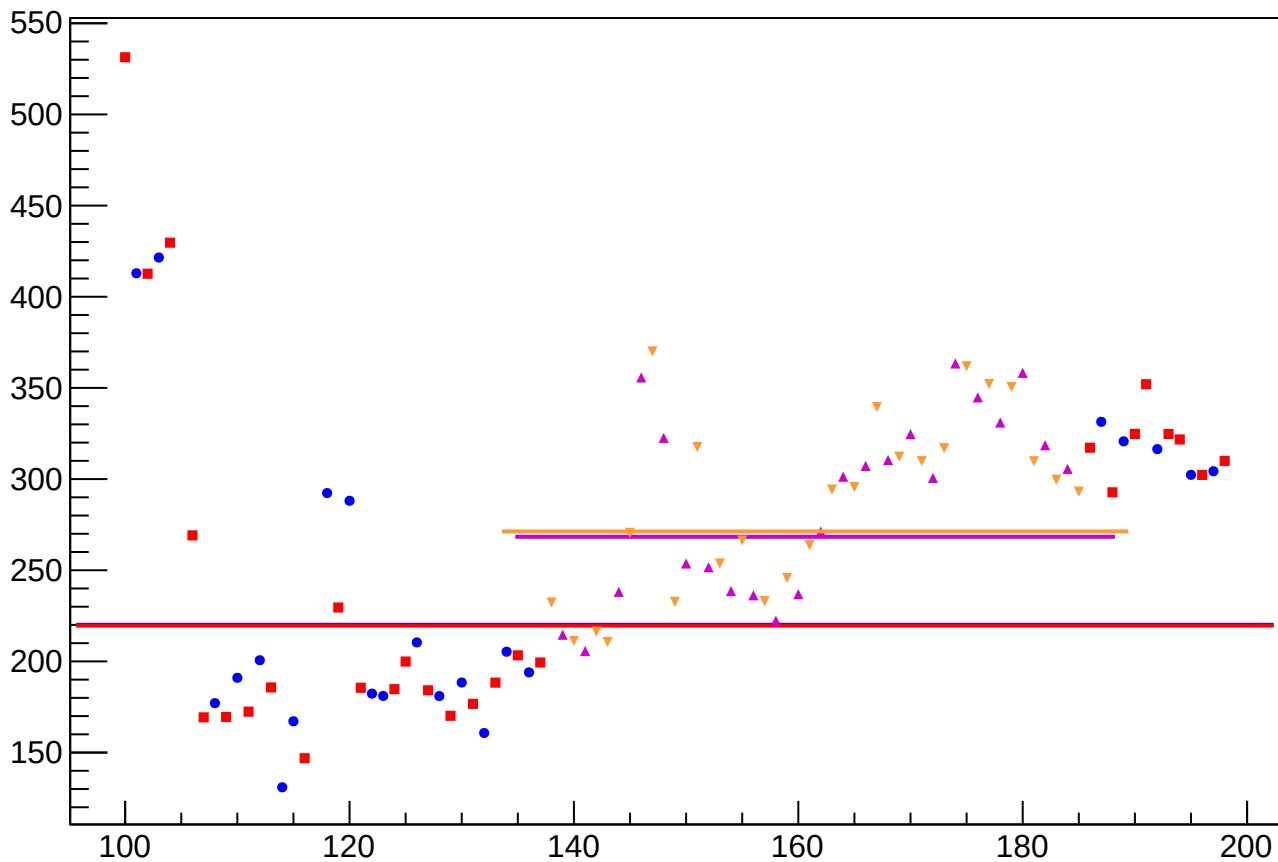
yield_bpm0l02WS_mean vs Slug



Right In: 146297.407 ± 0.075 $\chi^2/\text{NDF}: 4405693847.8/21$
 Left Out: 136650.935 ± 0.065 $\chi^2/\text{NDF}: 930649595.5/24$
 Right Out: 145531.057 ± 0.067 $\chi^2/\text{NDF}: 6024955608.8/26$
 Left In: 136392.188 ± 0.066 $\chi^2/\text{NDF}: 701986841.4/22$

+ sign 140784.143 ± 0.049 $\chi^2/\text{NDF}: 14882822012.2$
 All: 140836.038 ± 0.034 $\chi^2/\text{NDF}: 310454723.1$
 - sign 140884.145 ± 0.047 $\chi^2/\text{NDF}: 16160476034.9$

yield_bpm0l02WS_rms vs Slug



Right In: 220.074 $\pm$ 0.053 χ^2 /NDF: 1574493.2/21

Left Out: 271.295 $\pm$ 0.046 χ^2 /NDF:1064485.7/24

Right Out: 219.642 $\pm$ 0.047 χ^2 /NDF: 2001361.9/26

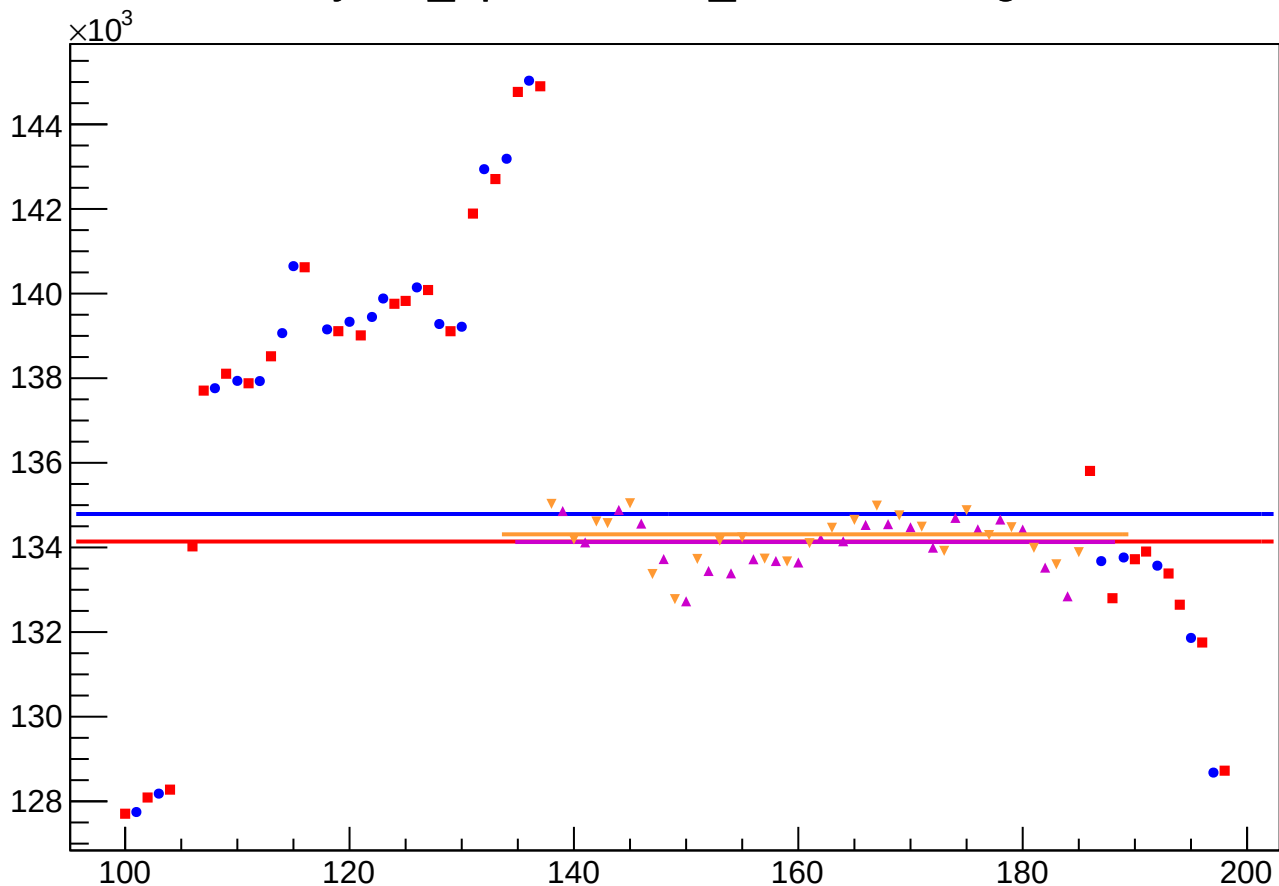
Left In: 268.344 $\pm$ 0.047 χ^2 /NDF:1077364.0/22

+ sign 249.348 $\pm$ 0.035 χ^2 /NDF: 3177294.3/46

All: 246.783 $\pm$ 0.024 χ^2 /NDF: 6802450.9/96

- sign 244.406 $\pm$ 0.033 χ^2 /NDF: 3614533.0/49

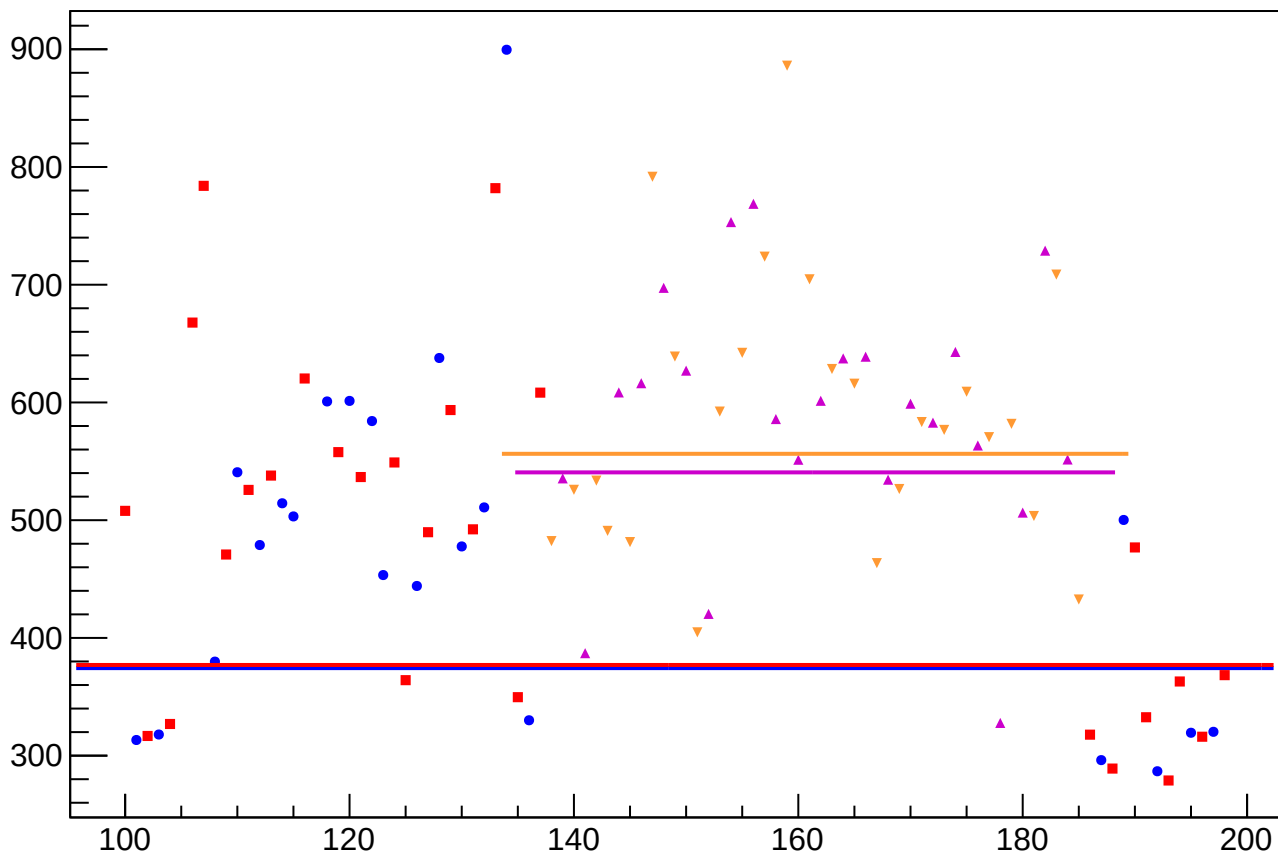
yield_bpm0l03WS_mean vs Slug



Right In: 134790.400 ± 0.134 $\chi^2/\text{NDF}: 1856397199.6/21$
 Left Out: 134310.250 ± 0.139 $\chi^2/\text{NDF}: 15518632.9/24$
 Right Out: 134140.172 ± 0.124 $\chi^2/\text{NDF}: 1368929493.8/26$
 Left In: 134128.172 ± 0.142 $\chi^2/\text{NDF}: 15533736.2/22$

+ sign 134557.887 ± 0.096 $\chi^2/\text{NDF}: 1878109393.5$
 All: 134339.421 ± 0.067 $\chi^2/\text{NDF}: 327251446$
 - sign 134134.994 ± 0.093 $\chi^2/\text{NDF}: 1384467290.8$

yield_bpm0l03WS_rms vs Slug



Right In: 374.357 ± 0.095 χ^2/NDF : 1155091.9/21

Left Out: 556.381 ± 0.098 χ^2/NDF : 1002064.0/24

Right Out: 377.029 ± 0.087 χ^2/NDF : 1540778.0/26

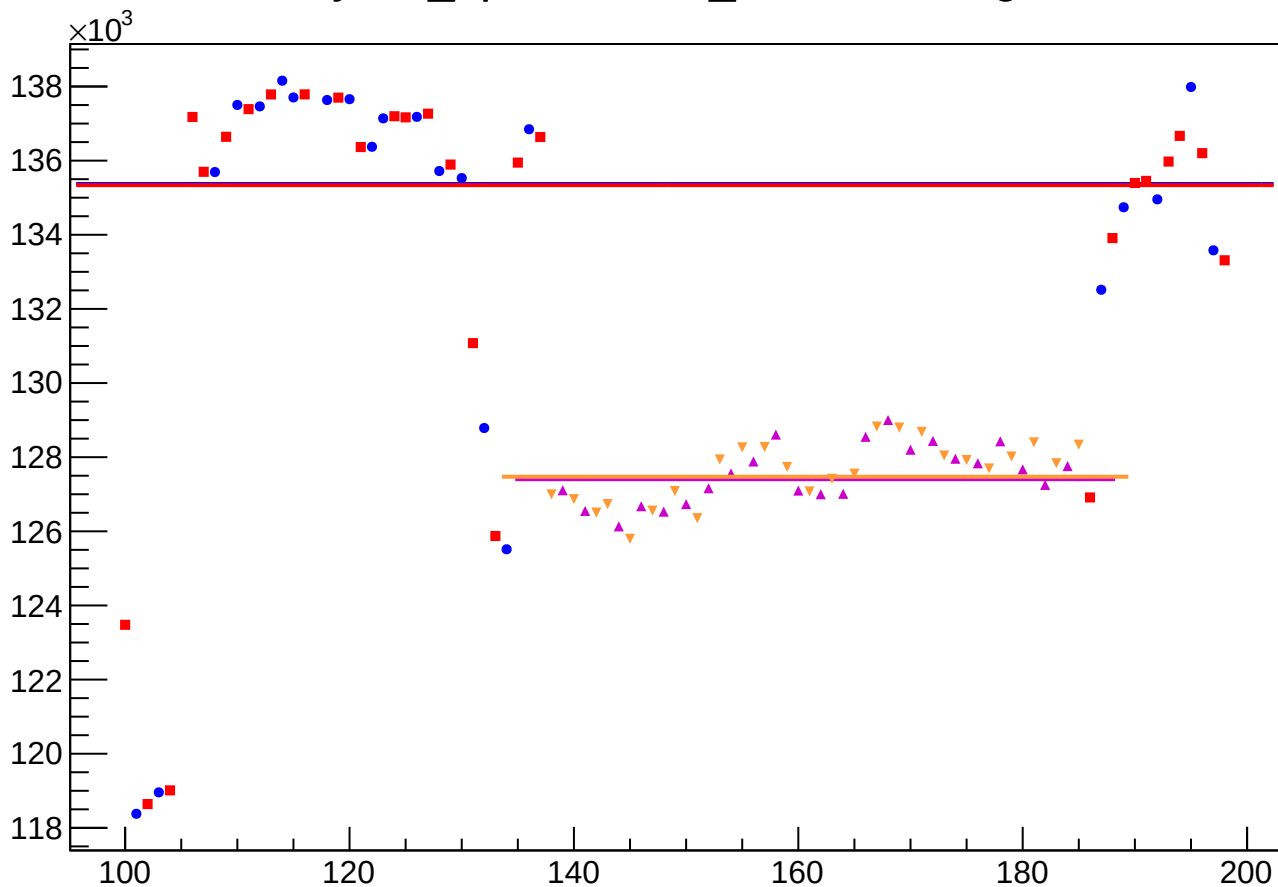
Left In: 540.607 ± 0.100 χ^2/NDF : 1409015.2/22

+ sign 462.502 ± 0.068 χ^2/NDF : 3937390.3/46

All: 454.810 ± 0.047 χ^2/NDF : 8420901.3/96

- sign 447.612 ± 0.066 χ^2/NDF : 4458870.0/49

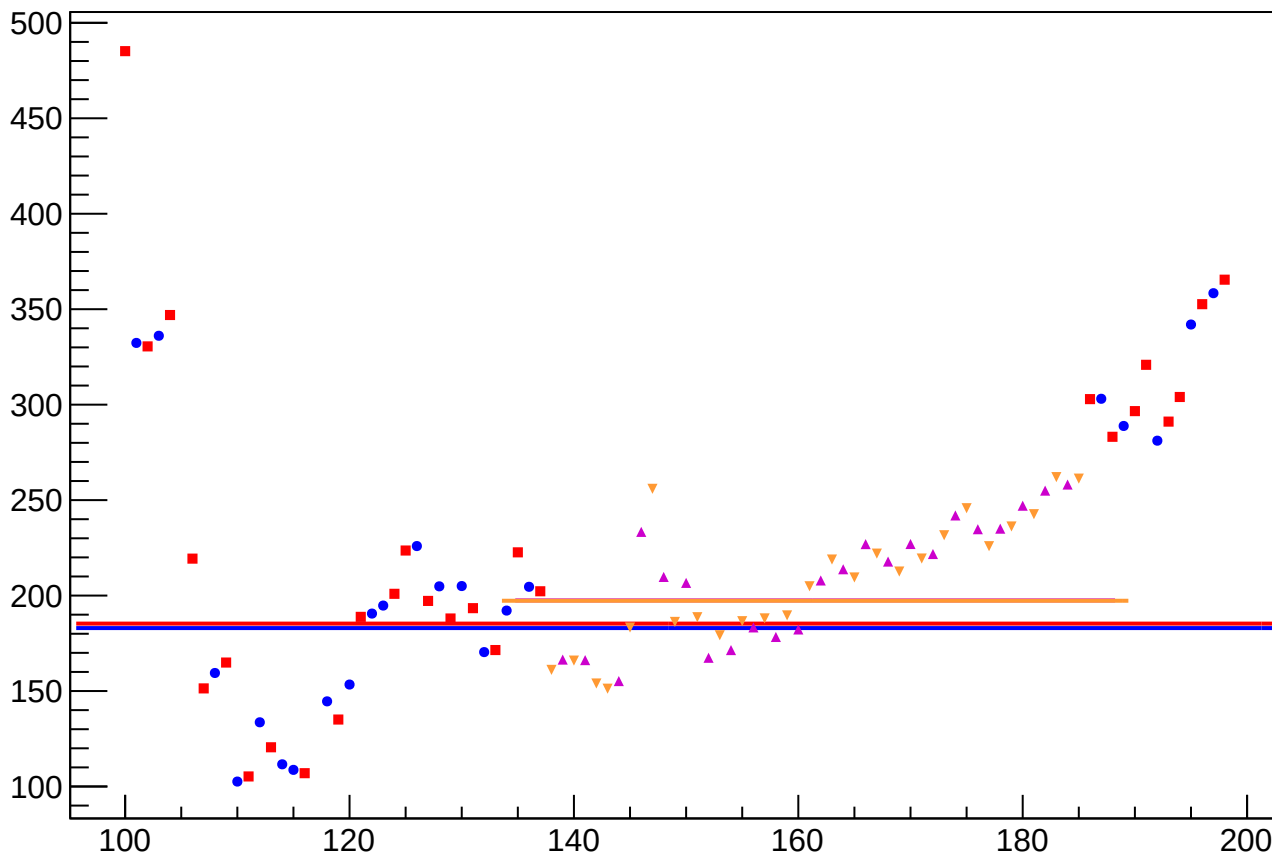
yield_bpm0l04WS_mean vs Slug



Right In: 135369.281 ± 0.064 $\chi^2/\text{NDF}: 4661407538.0/21$
 Left Out: 127472.525 ± 0.047 $\chi^2/\text{NDF}: 303609315.6/24$
 Right Out: 135338.800 ± 0.059 $\chi^2/\text{NDF}: 5100902122.2/26$
 Left In: 127406.911 ± 0.048 $\chi^2/\text{NDF}: 269927988.0/22$

+ sign 130236.766 ± 0.038 $\chi^2/\text{NDF}: 14907582524.0/24$
 - sign 130626.177 ± 0.037 $\chi^2/\text{NDF}: 16287813888.0/24$
 All: 130434.048 ± 0.027 $\chi^2/\text{NDF}: 312492340.0/48$

yield_bpm0l04WS_rms vs Slug



Right In: 182.976 $\pm$ 0.045 χ^2 /NDF: 2469031.9/21

Left Out: 197.289 $\pm$ 0.033 χ^2 /NDF: 852024.1/24

Right Out: 185.321 $\pm$ 0.041 χ^2 /NDF: 3407085.3/26

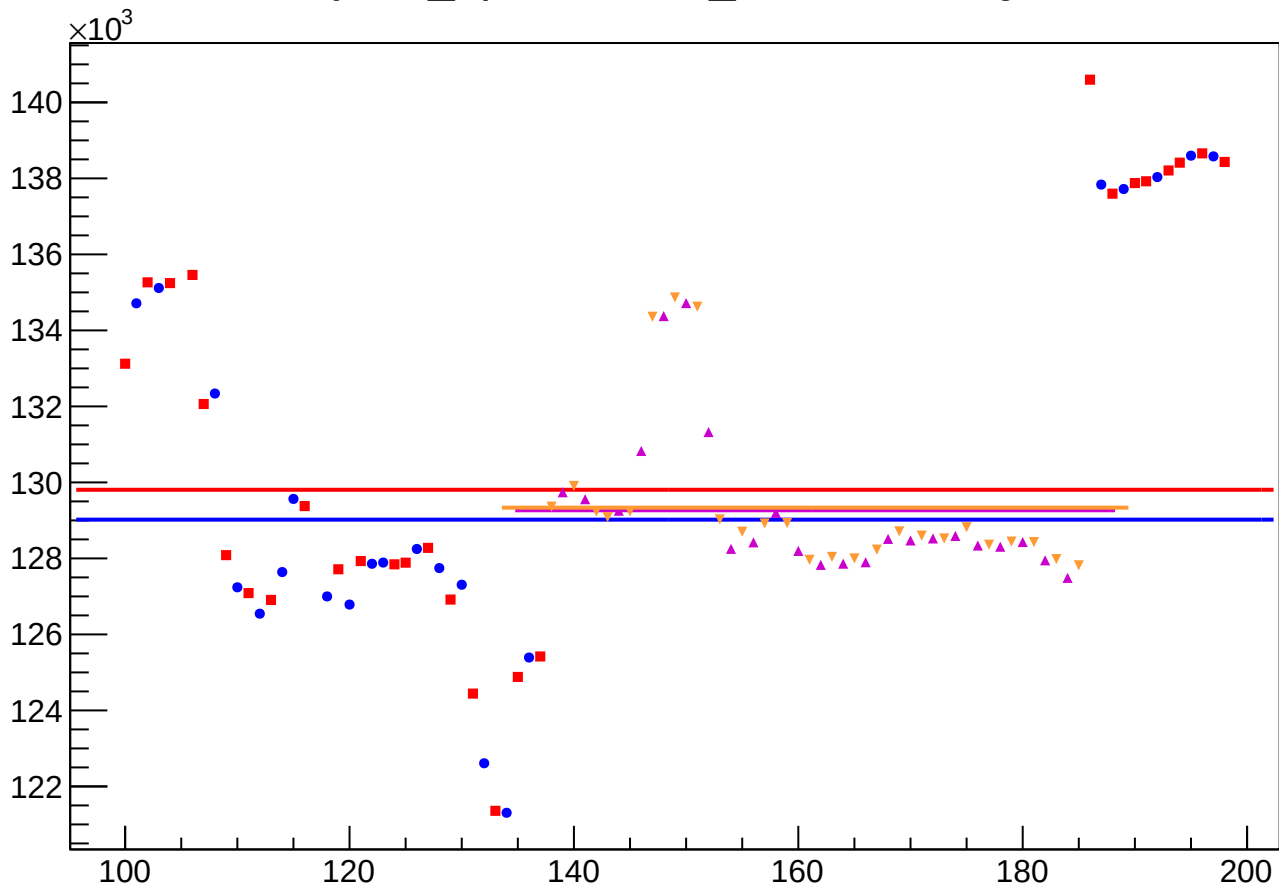
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 192.279 $\pm$ 0.027 χ^2 /NDF: 3386384.6/46

All: 192.411 $\pm$ 0.019 χ^2 /NDF: 7636330.1/96

- sign 192.540 $\pm$ 0.026 χ^2 /NDF: 4249897.3/49

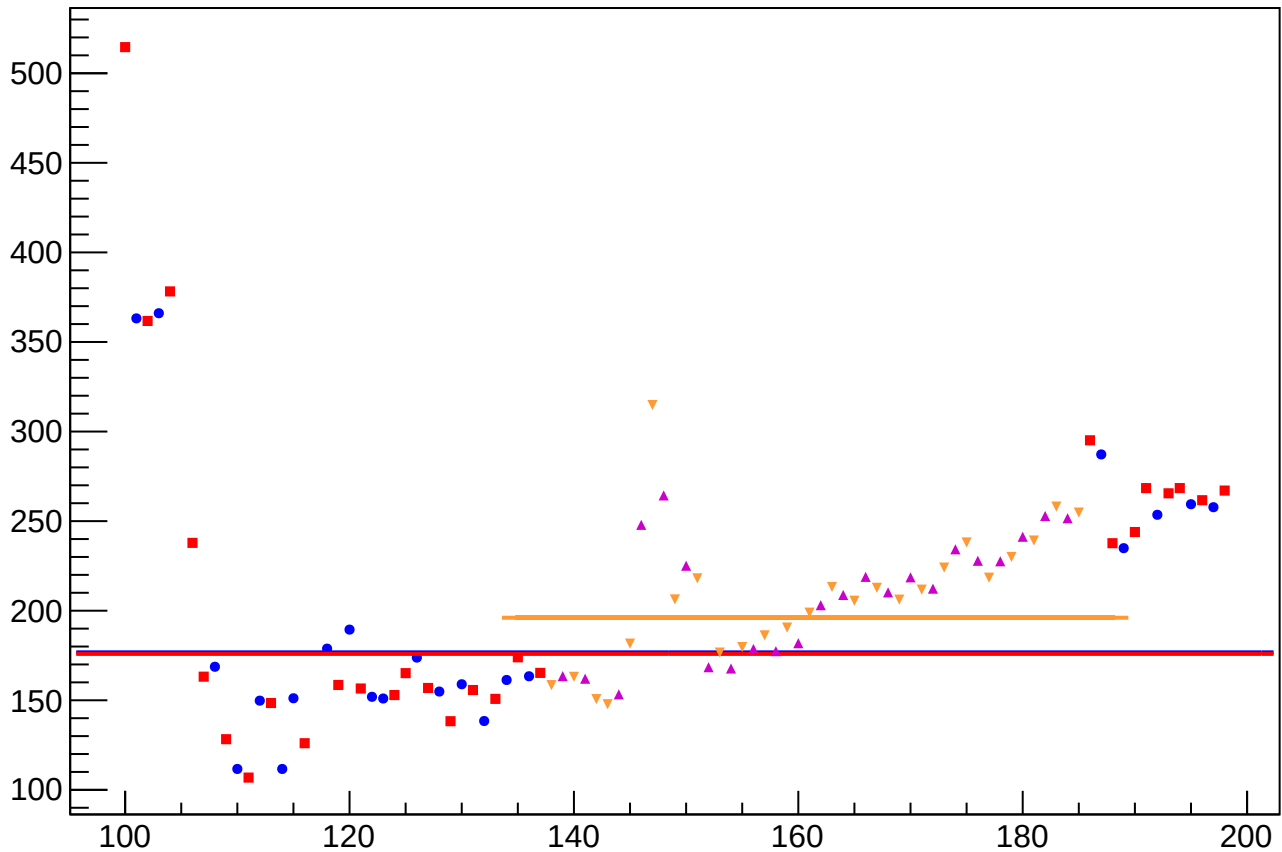
yield_bpm0l05WS_mean vs Slug



Right In: 129020.004 ± 0.060 χ^2/NDF : 6602364454.8/21
 Left Out: 129335.946 ± 0.047 χ^2/NDF : 1450933621.0/24
 Right Out: 129806.144 ± 0.054 χ^2/NDF : 8928006000.7/26
 Left In: 129266.909 ± 0.048 χ^2/NDF : 1213762773.1/22

+ sign 129217.674 ± 0.037 χ^2/NDF : 8070412213.0/24
 All: 129364.104 ± 0.026 χ^2/NDF : 182978622.0/24
 - sign 129503.575 ± 0.036 χ^2/NDF : 10196803825.9/24

yield_bpm0l05WS_rms vs Slug



Right In: 176.745 $\pm$ 0.043 χ^2 /NDF: 1636417.5/21

Left Out: 196.077 $\pm$ 0.033 χ^2 /NDF: 975710.9/24

+ sign 188.840 $\pm$ 0.026 χ^2 /NDF: 2740279.2/46

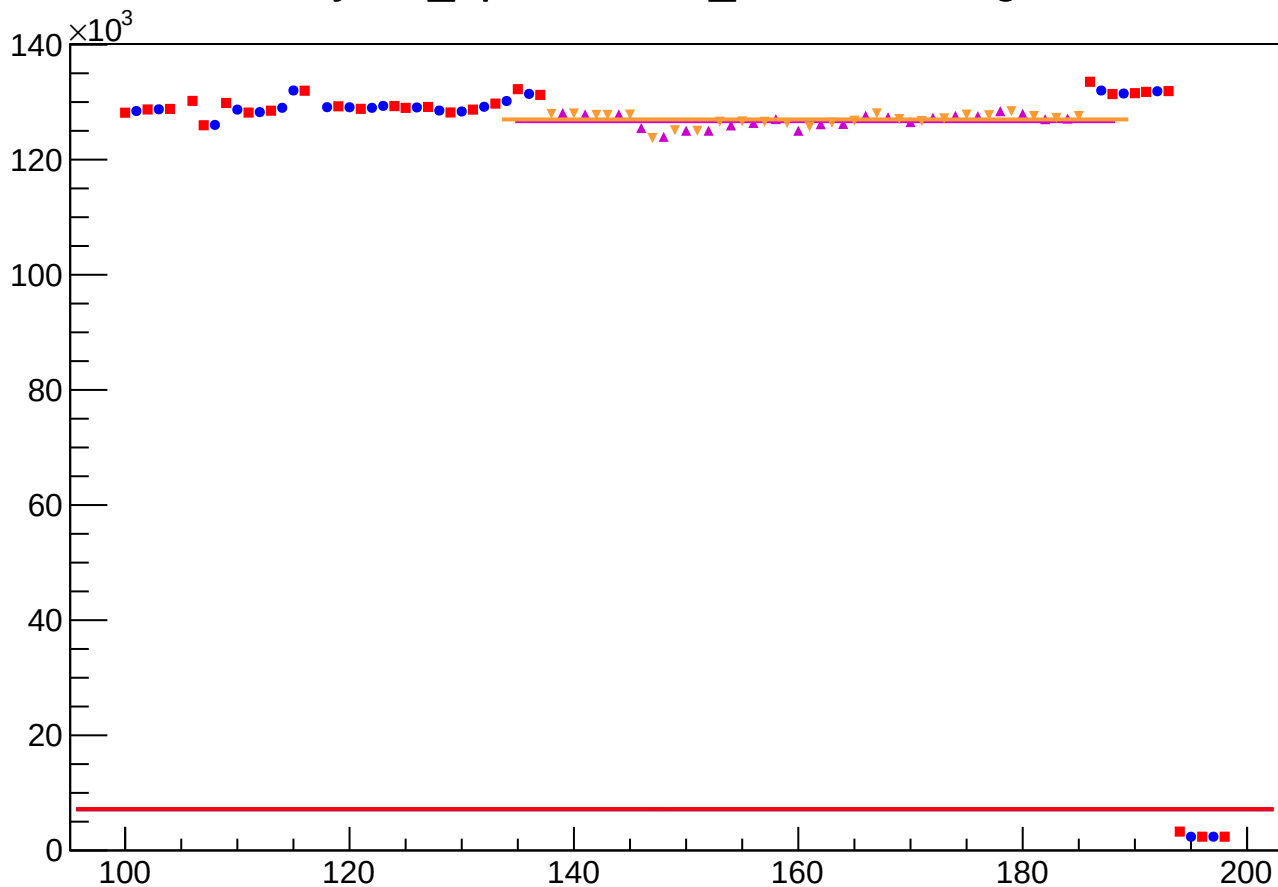
Right Out: 175.895 $\pm$ 0.039 χ^2 /NDF: 2448086.6/26

All: 188.041 $\pm$ 0.018 χ^2 /NDF: 6244103.6/96

Left In: 196.186 $\pm$ 0.034 χ^2 /NDF: 898058.0/22

- sign 187.280 $\pm$ 0.026 χ^2 /NDF: 3501999.7/49

yield_bpm0l06WS_mean vs Slug



Right In: 7140.778 $\pm$ 0.011 χ^2 /NDF: 4747147281849.2/21

Left Out: 126981.724 $\pm$ 0.046 χ^2 /NDF: 530573115.8/24

Right Out: 7175.570 $\pm$ 0.010 χ^2 /NDF: 5660965086616.1/26

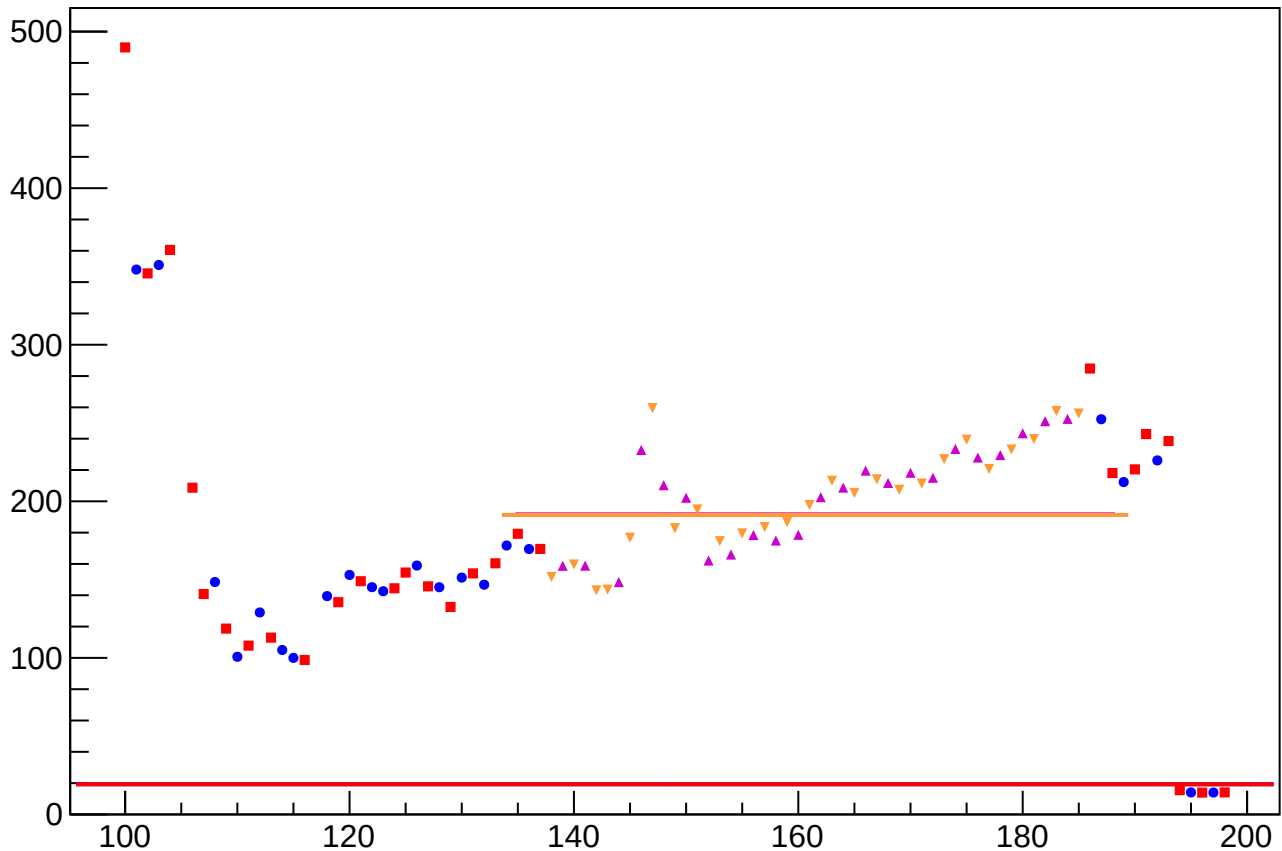
Left In: 126682.659 $\pm$ 0.047 χ^2 /NDF: 660415880.0/22

+ sign 13824.284 $\pm$ 0.011 χ^2 /NDF: 1129153595890

All: 13037.193 $\pm$ 0.007 χ^2 /NDF: 2314855709

- sign 12381.985 $\pm$ 0.010 χ^2 /NDF: 1184719853529

yield_bpm0l06WS_rms vs Slug



Right In: 19.285 ± 0.008 $\chi^2/\text{NDF}: 12957193.2/21$

Left Out: 191.263 ± 0.032 $\chi^2/\text{NDF}: 992566.2/24$

+ sign 28.876 ± 0.008 $\chi^2/\text{NDF}: 40902213.0/46$

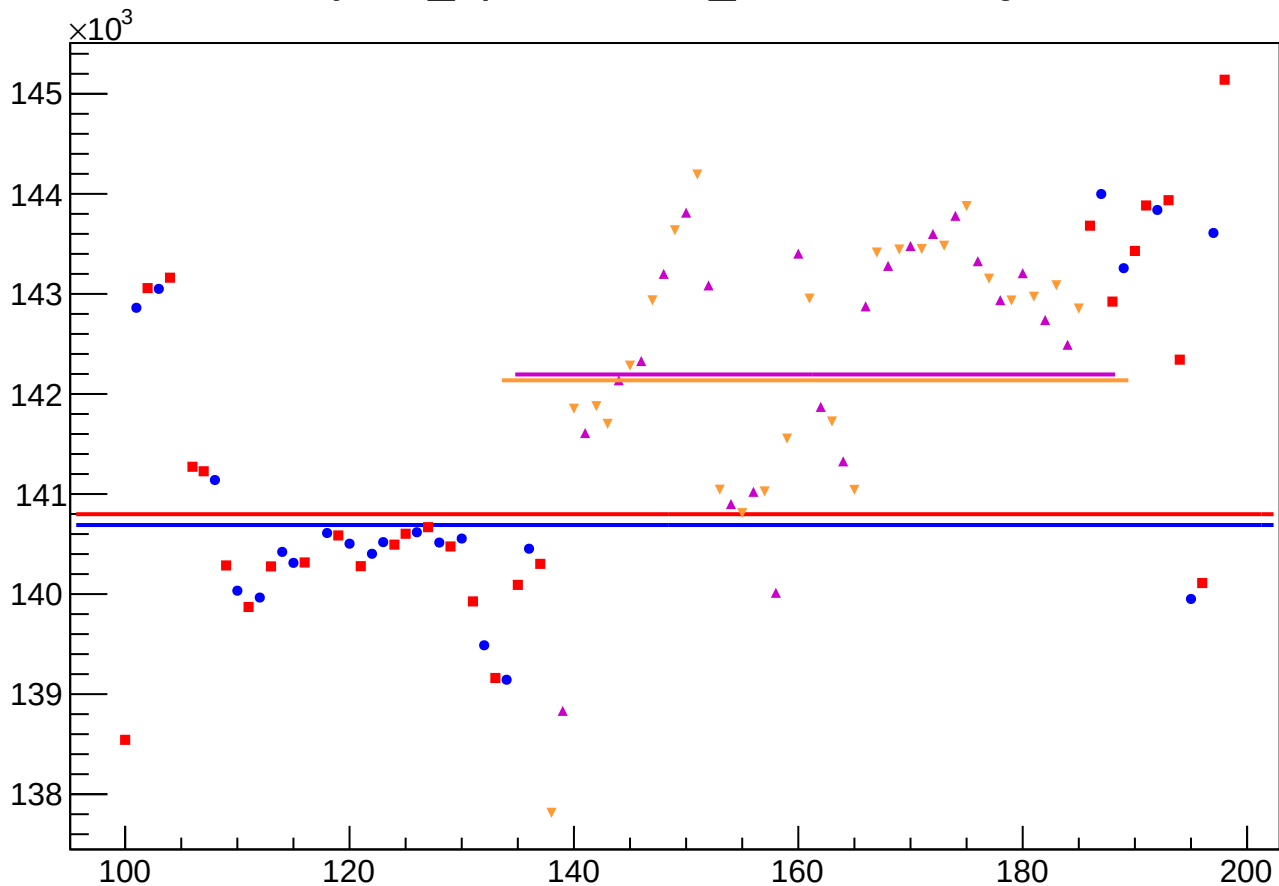
Right Out: 19.292 ± 0.007 $\chi^2/\text{NDF}: 15212619.4/26$

All: 27.745 ± 0.005 $\chi^2/\text{NDF}: 82762195.8/96$

Left In: 191.683 ± 0.033 $\chi^2/\text{NDF}: 864384.9/22$

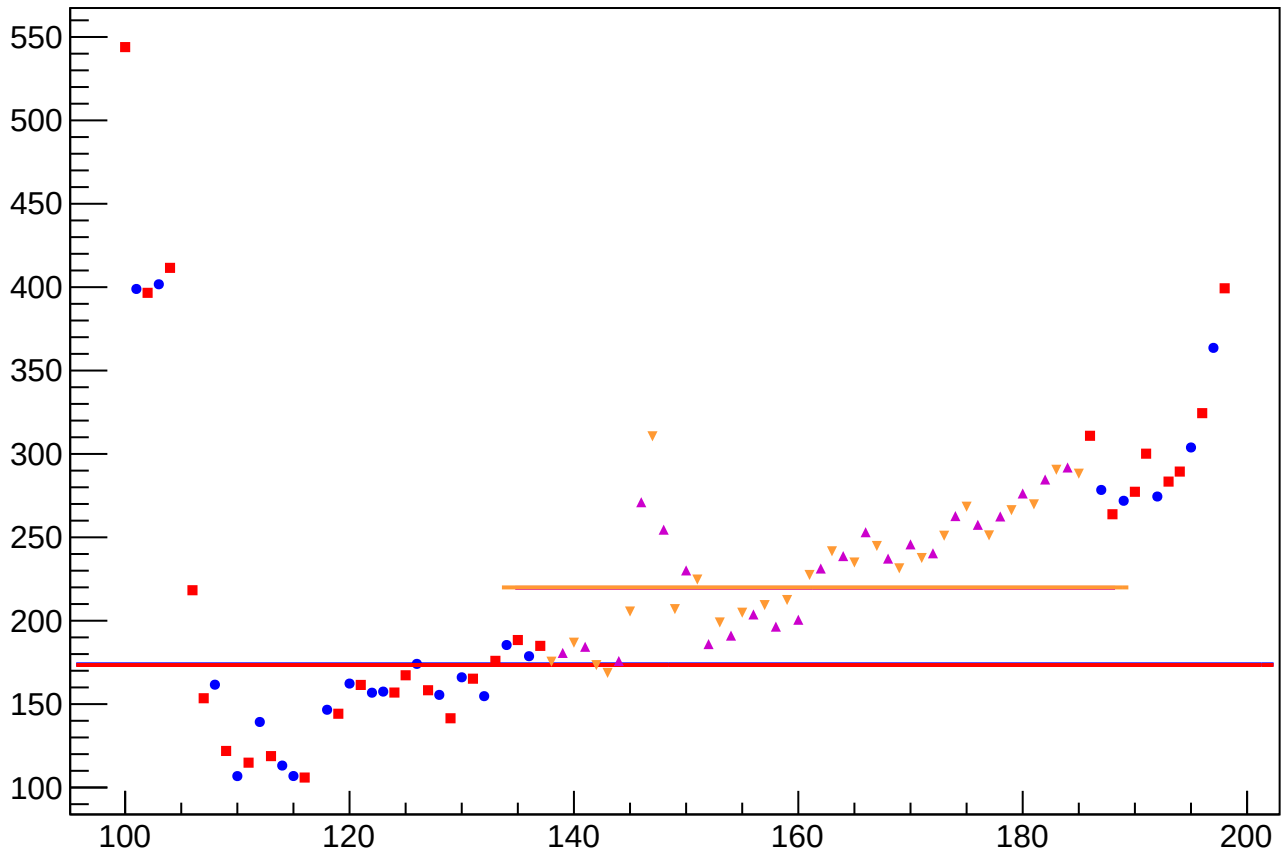
- sign 26.803 ± 0.007 $\chi^2/\text{NDF}: 41819365.8/49$

yield_bpm0l07WS_mean vs Slug



Right In: 140690.414 $\pm$ 0.060 χ^2 /NDF: 340420142.0/21
 Left Out: 142136.579 $\pm$ 0.052 χ^2 /NDF: 815573343.0/24
 Right Out: 140798.383 $\pm$ 0.055 χ^2 /NDF: 507225218.5/26
 Left In: 142195.020 $\pm$ 0.054 χ^2 /NDF: 644030906.9/22
 + sign 141515.108 $\pm$ 0.040 χ^2 /NDF: 1484250581.7
 All: 141511.417 $\pm$ 0.028 χ^2 /NDF: 296629232
 - sign 141507.932 $\pm$ 0.038 χ^2 /NDF: 1482024773.4

yield_bpm0l07WS_rms vs Slug



Right In: 173.843+/-0.043 χ^2/NDF : 2391910.8/21

Left Out: 219.969+/-0.037 χ^2/NDF : 866616.3/24

+ sign 200.147+/-0.028 χ^2/NDF : 3926402.9/46

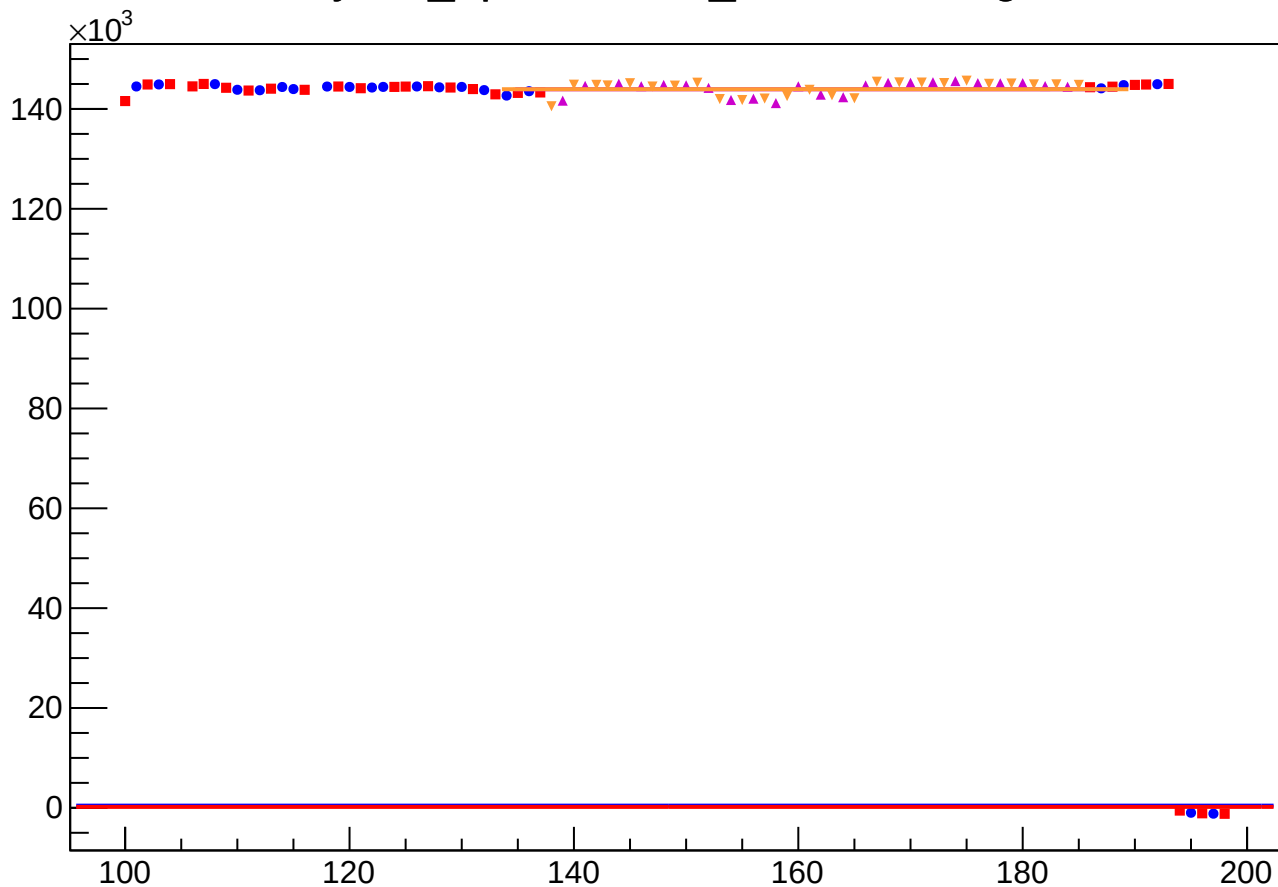
Right Out: 173.451+/-0.039 χ^2/NDF : 3518395.1/26

All: 198.497+/-0.019 χ^2/NDF : 8989261.4/96

Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

- sign 196.940+/-0.027 χ^2/NDF : 5056078.9/49

yield_bpm0l08WS_mean vs Slug



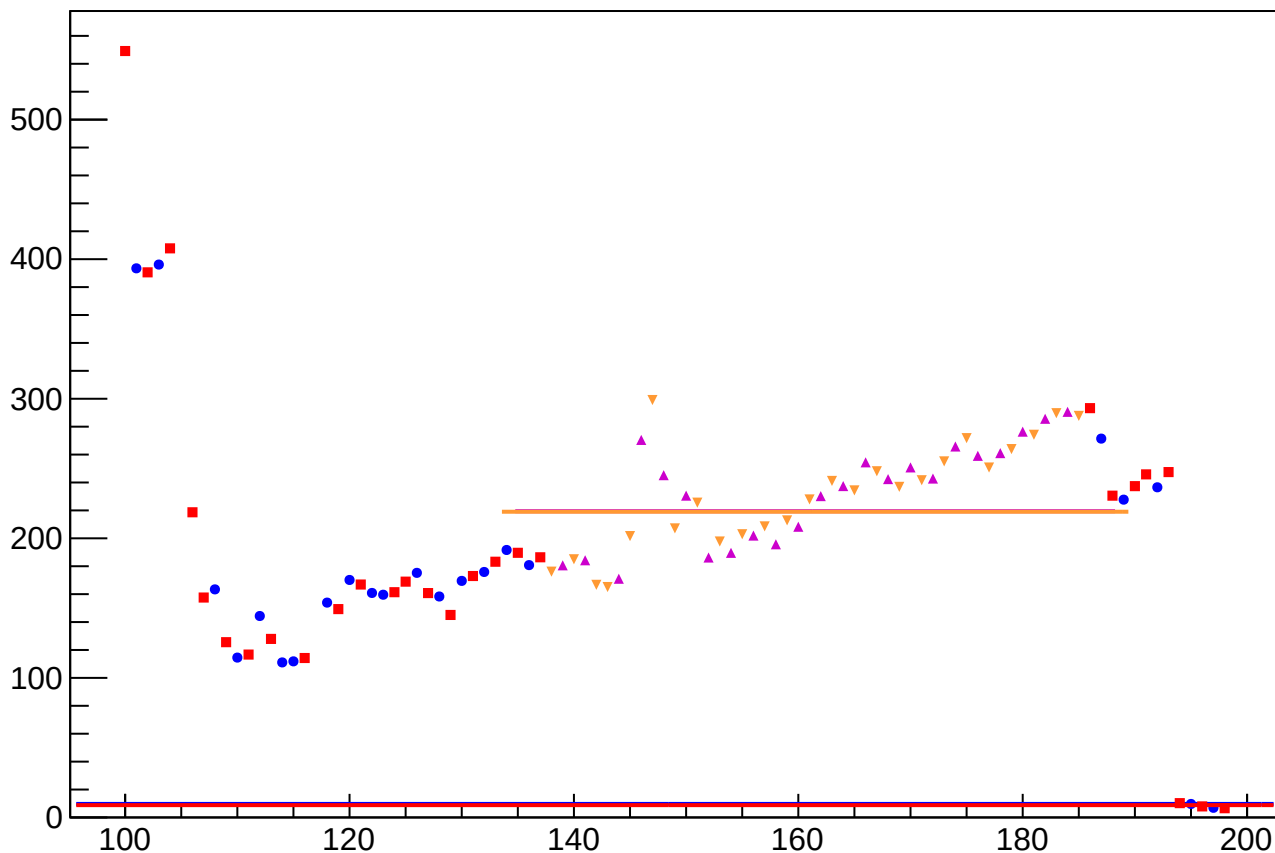
Right In: 438.940 $\pm$ 0.006 χ^2 /NDF: 5245040575259.5/21

Left Out: 143951.284 $\pm$ 0.052 χ^2 /NDF: 864679545.2/24 + sign 2630.316 $\pm$ 0.006 χ^2 /NDF: 12707399869534

Right Out: 189.938 $\pm$ 0.005 χ^2 /NDF: 6353512287847.1/26 All: 2038.768 $\pm$ 0.004 χ^2 /NDF: 26132875994

Left In: 143938.288 $\pm$ 0.054 χ^2 /NDF: 719814685.6/22 - sign 1626.011 $\pm$ 0.005 χ^2 /NDF: 13411162238965

yield_bpm0l08WS_rms vs Slug



Right In: 9.692+/-0.005 χ^2/NDF : 14572626.3/21

Left Out: 219.050+/-0.037 χ^2/NDF : 934417.6/24

Right Out: 8.827+/-0.004 χ^2/NDF : 17232625.1/26

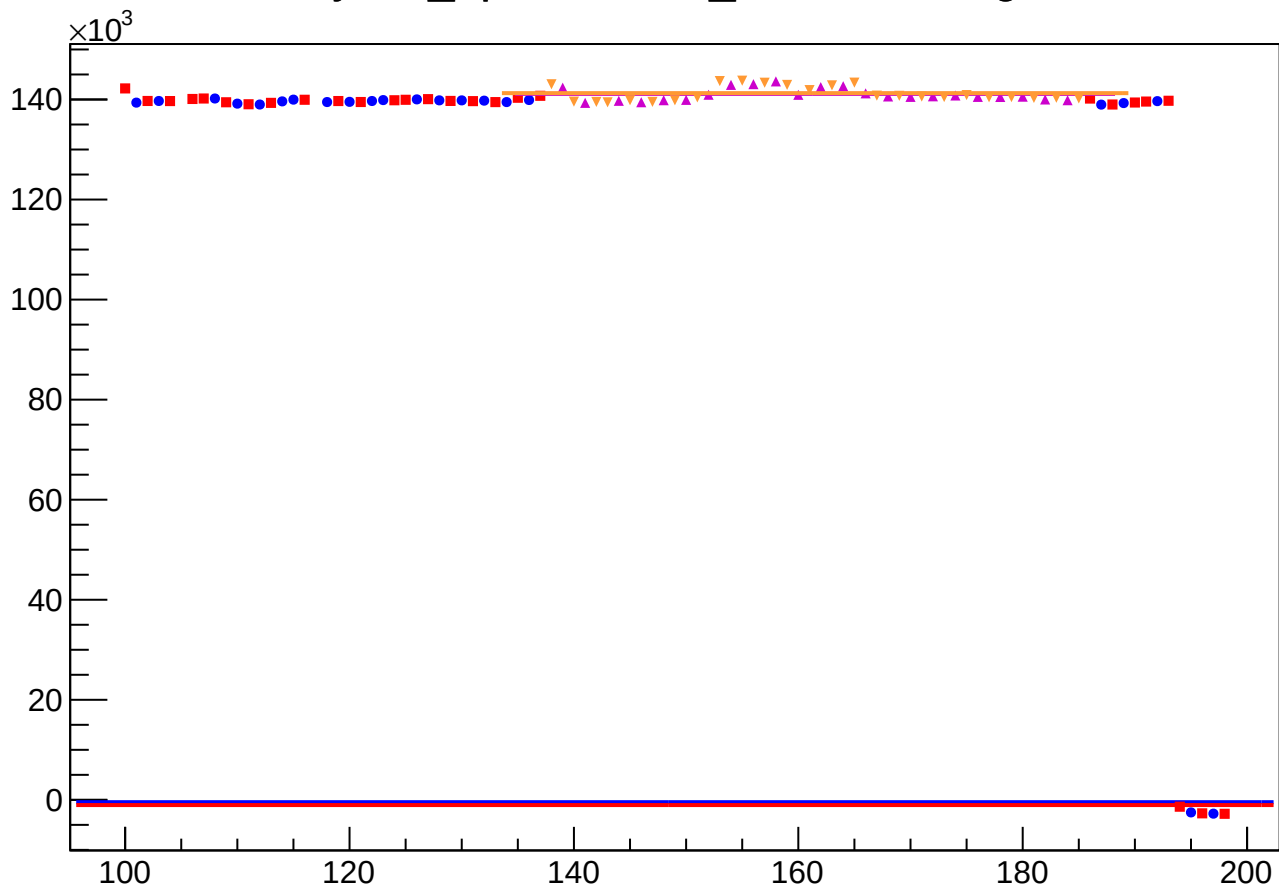
Left In: 219.426+/-0.038 χ^2/NDF : 850089.5/22

+ sign 12.889+/-0.005 χ^2/NDF : 47265066.7/46

All: 11.736+/-0.003 χ^2/NDF : 95750387.3/96

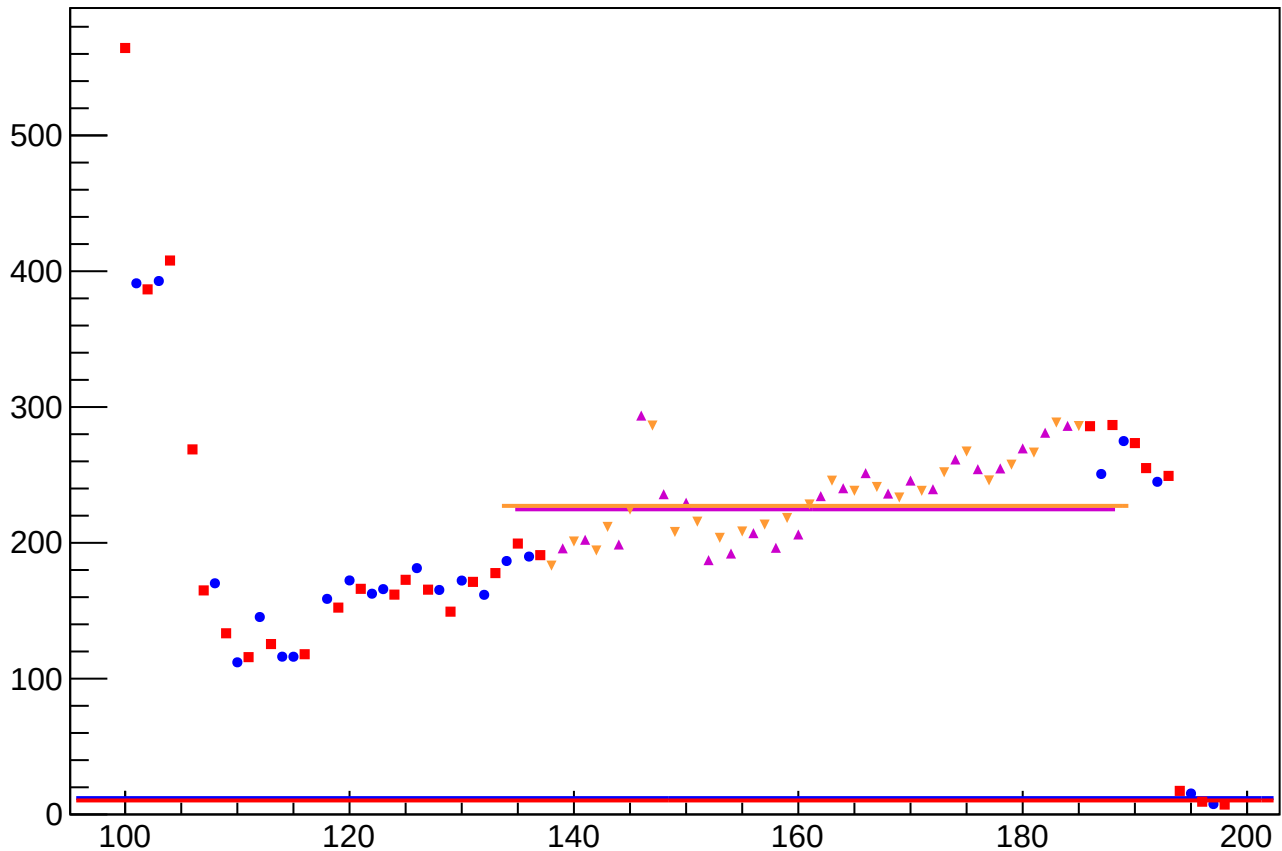
- sign 10.931+/-0.004 χ^2/NDF : 48376446.1/49

yield_bpm0l09WS_mean vs Slug



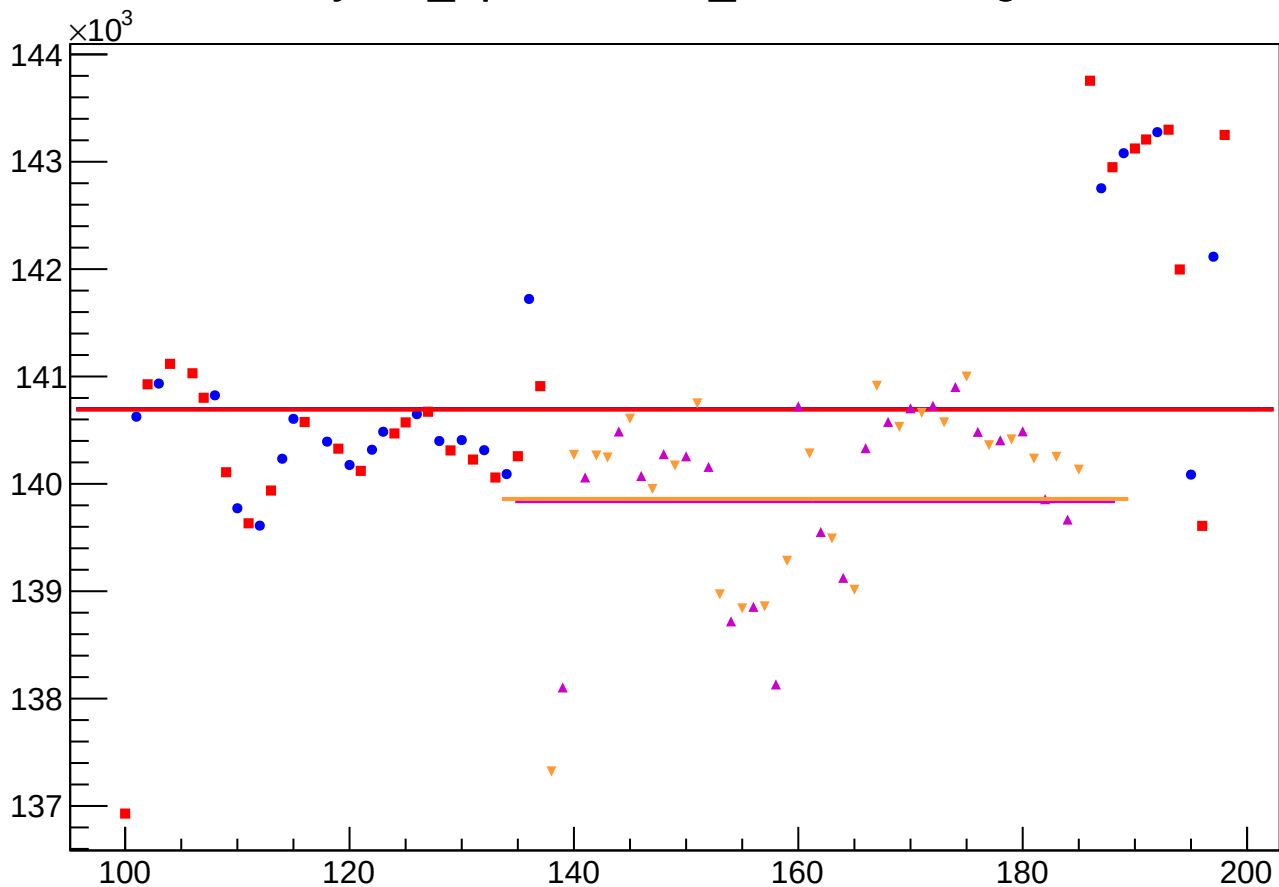
Right In: -464.937 ± 0.008 $\chi^2/\text{NDF}: 4795616762760.6/21$
 Left Out: 141268.791 ± 0.054 $\chi^2/\text{NDF}: 795989244.2/24$ + sign 2673.682 ± 0.008 $\chi^2/\text{NDF}: 11608639114794$
 Right Out: -1041.700 ± 0.006 $\chi^2/\text{NDF}: 5733972477920.4/26$ All: 1545.458 ± 0.005 $\chi^2/\text{NDF}: 23988490284$
 Left In: 141119.484 ± 0.055 $\chi^2/\text{NDF}: 565312728.1/22$ - sign 840.144 ± 0.006 $\chi^2/\text{NDF}: 12347455442226.3$

yield_bpm0l09WS_rms vs Slug



Right In: 12.037 $\pm$ 0.006 χ^2 /NDF: 14507638.5/21 + sign 16.802 $\pm$ 0.006 χ^2 /NDF: 46398037.4/46
 Left Out: 227.224 $\pm$ 0.038 χ^2 /NDF: 484955.3/24 All: 14.558 $\pm$ 0.004 χ^2 /NDF: 94480787.2/96
 Right Out: 10.317 $\pm$ 0.004 χ^2 /NDF: 17174409.6/26 - sign 13.155 $\pm$ 0.004 χ^2 /NDF: 47826380.9/49
 Left In: 224.686 $\pm$ 0.039 χ^2 /NDF: 578366.0/22

yield_bpm0l10WS_mean vs Slug



Right In: 140696.009 $\pm$ 0.063 χ^2 /NDF: 247434173.5/21

Left Out: 139859.696 $\pm$ 0.051 χ^2 /NDF: 330118281.5/24

Right Out: 140691.554 $\pm$ 0.057 χ^2 /NDF: 371070993.7/26

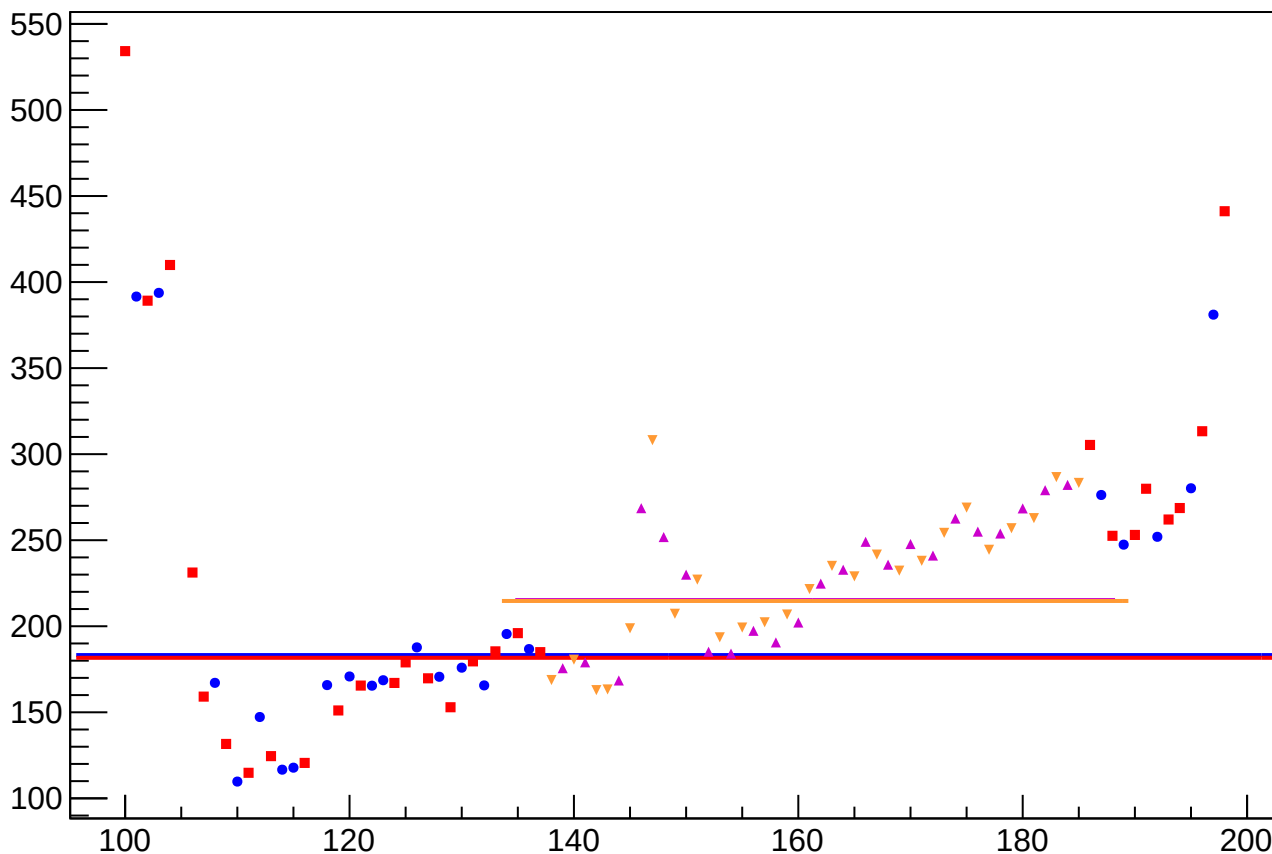
Left In: 139838.724 $\pm$ 0.053 χ^2 /NDF: 279573689.3/22

+ sign 140191.798 $\pm$ 0.040 χ^2 /NDF: 683929886.0/4

All: 140213.725 $\pm$ 0.028 χ^2 /NDF: 145625900

- sign 140234.535 $\pm$ 0.039 χ^2 /NDF: 771733786.9/4

yield_bpm0l10WS_rms vs Slug



Right In: 183.254 $\pm$ 0.045 χ^2 /NDF: 1999461.6/21

Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF: 981105.5/24

Right Out: 181.664 $\pm$ 0.040 χ^2 /NDF: 3040188.0/26

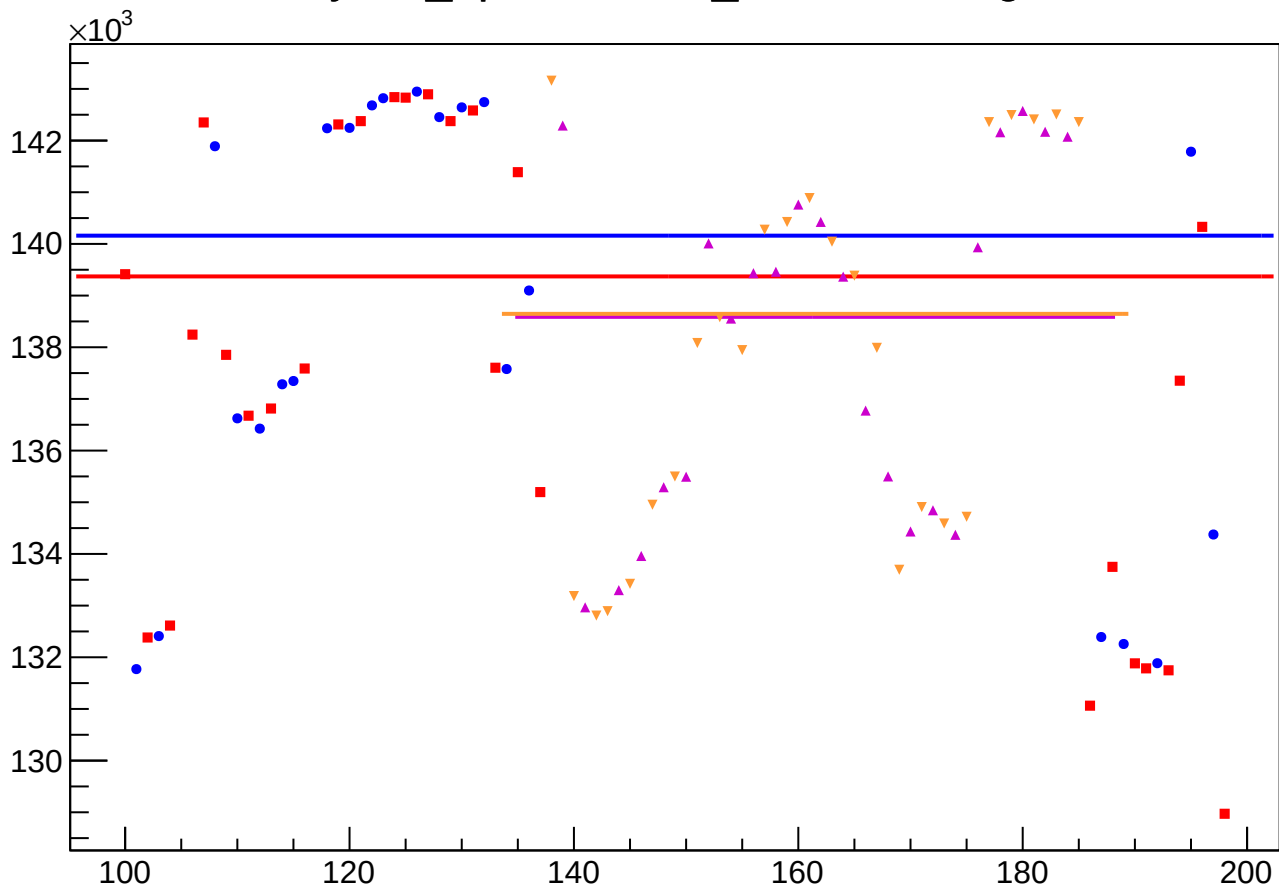
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 202.208 $\pm$ 0.028 χ^2 /NDF: 3281220.4/46

All: 200.894 $\pm$ 0.020 χ^2 /NDF: 7582599.3/96

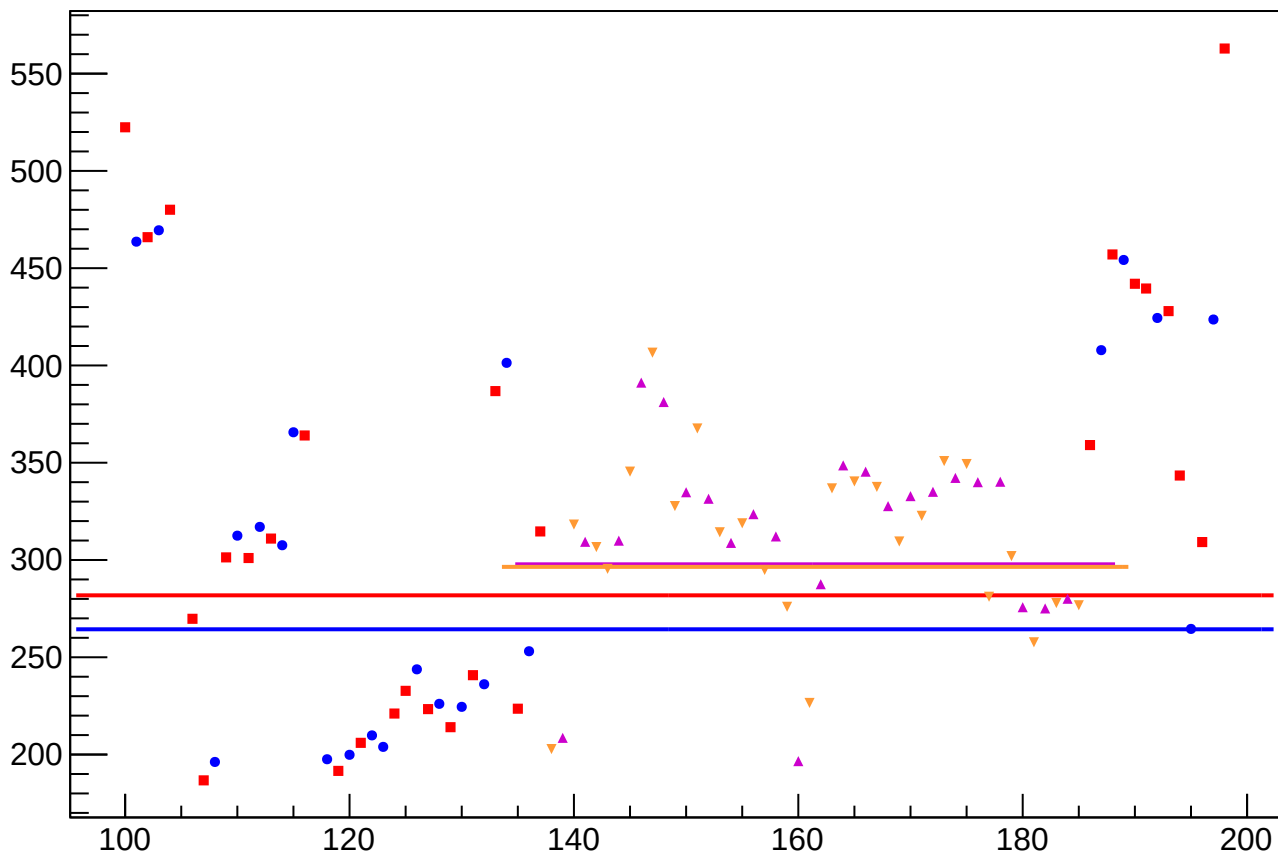
- sign 199.647 $\pm$ 0.027 χ^2 /NDF: 4297102.4/49

yield_bpm0r03WS_mean vs Slug



Right In: 140159.701+/-0.090	χ^2/NDF : 1552984148.8/21	+ sign 139224.132+/-0.056	χ^2/NDF : 4275803926.6
Left Out: 138646.366+/-0.071	χ^2/NDF : 2548637600.4/24	All: 139071.284+/-0.040	χ^2/NDF : 83396995
Right Out: 139370.813+/-0.087	χ^2/NDF : 2053498886.5/26	- sign 138915.800+/-0.056	χ^2/NDF : 4048709335.6
Left In: 138588.711+/-0.074	χ^2/NDF : 1948065195.1/22		

yield_bpm0r03WS_rms vs Slug



Right In: 264.380 ± 0.064 $\chi^2/\text{NDF}: 1576648.4/21$

Left Out: 296.464 ± 0.050 $\chi^2/\text{NDF}: 893579.7/24$

+ sign 284.215 ± 0.039 $\chi^2/\text{NDF}: 2626810.7/46$

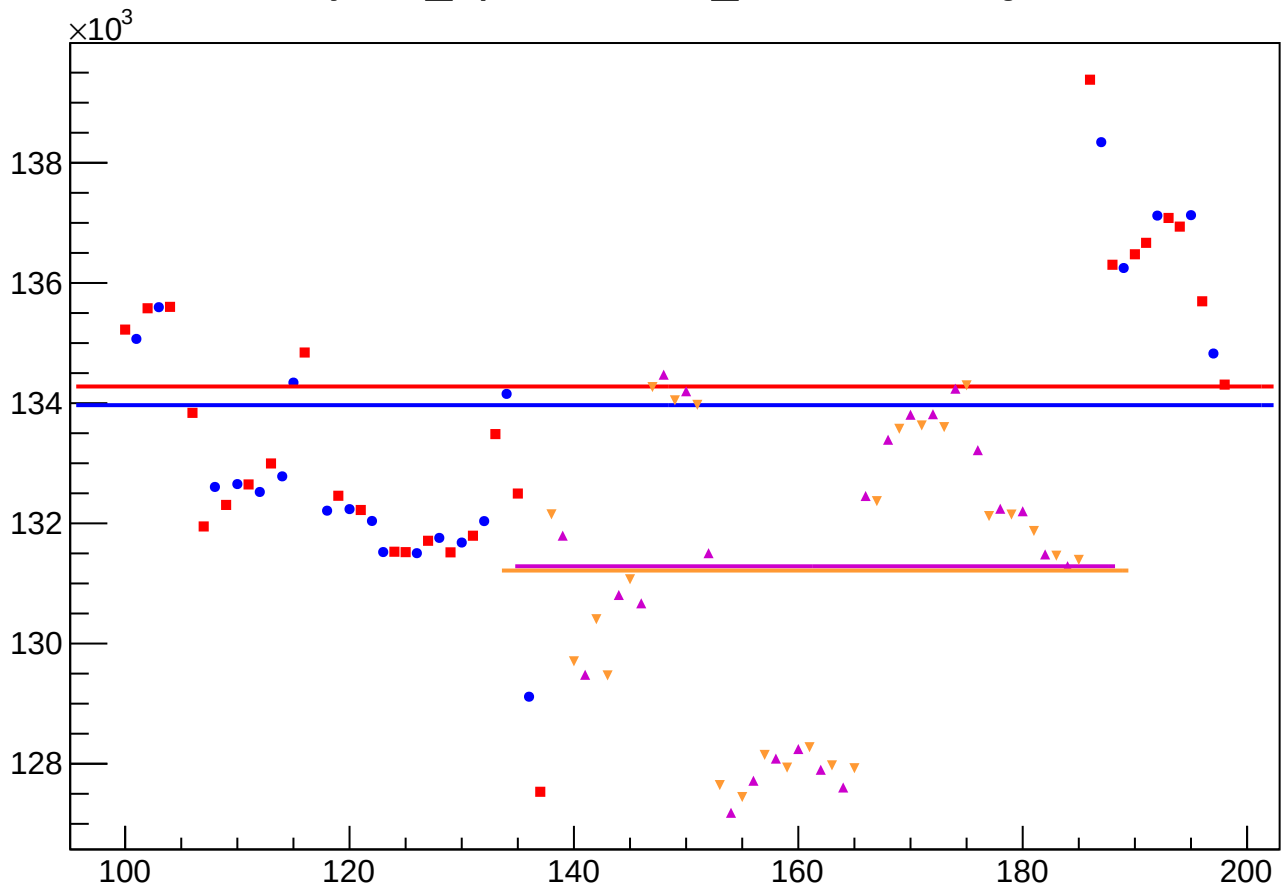
Right Out: 281.834 ± 0.061 $\chi^2/\text{NDF}: 2308617.1/26$

All: 287.632 ± 0.028 $\chi^2/\text{NDF}: 6051264.5/96$

- sign 291.108 ± 0.040 $\chi^2/\text{NDF}: 3409277.1/49$

Left In: 297.774 ± 0.052 $\chi^2/\text{NDF}: 1061489.5/22$

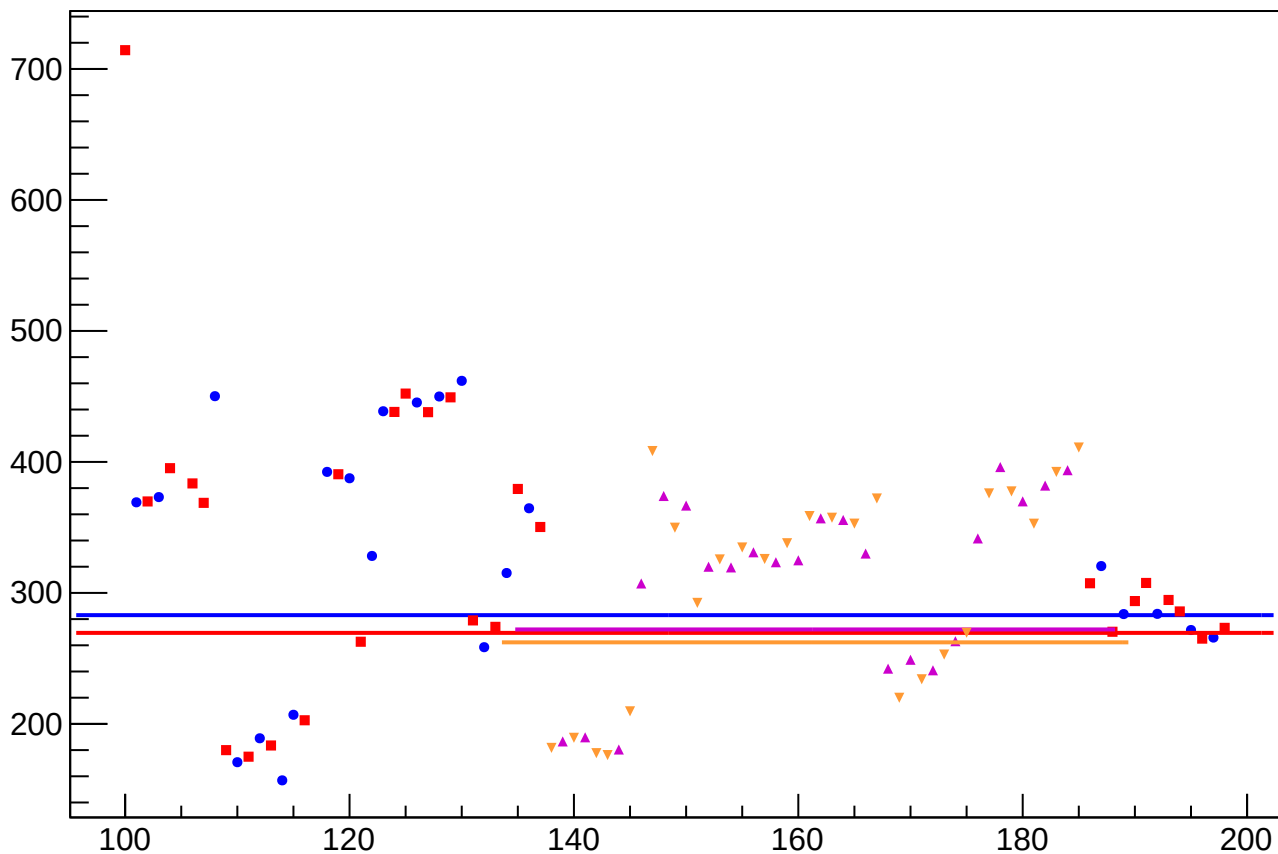
yield_bpm0r05WS_mean vs Slug



Right In: 133966.945 ± 0.095 $\chi^2/\text{NDF}: 589836569.8/21$
 Left Out: 131214.985 ± 0.064 $\chi^2/\text{NDF}: 1173424494.6/24$
 Right Out: 134277.653 ± 0.082 $\chi^2/\text{NDF}: 676498267.3/26$
 Left In: 131285.623 ± 0.068 $\chi^2/\text{NDF}: 1056232192.1/22$

+ sign 132073.771 ± 0.053 $\chi^2/\text{NDF}: 2334595294.8$
 All: 132299.867 ± 0.037 $\chi^2/\text{NDF}: 489228849$
 - sign 132518.060 ± 0.052 $\chi^2/\text{NDF}: 2522393462.3/27$

yield_bpm0r05WS_rms vs Slug



Right In: 283.027 ± 0.068 $\chi^2/\text{NDF}: 1528327.2/21$

Left Out: 262.260 ± 0.045 $\chi^2/\text{NDF}: 2818169.1/24$

Right Out: 269.483 ± 0.058 $\chi^2/\text{NDF}: 1666909.9/26$

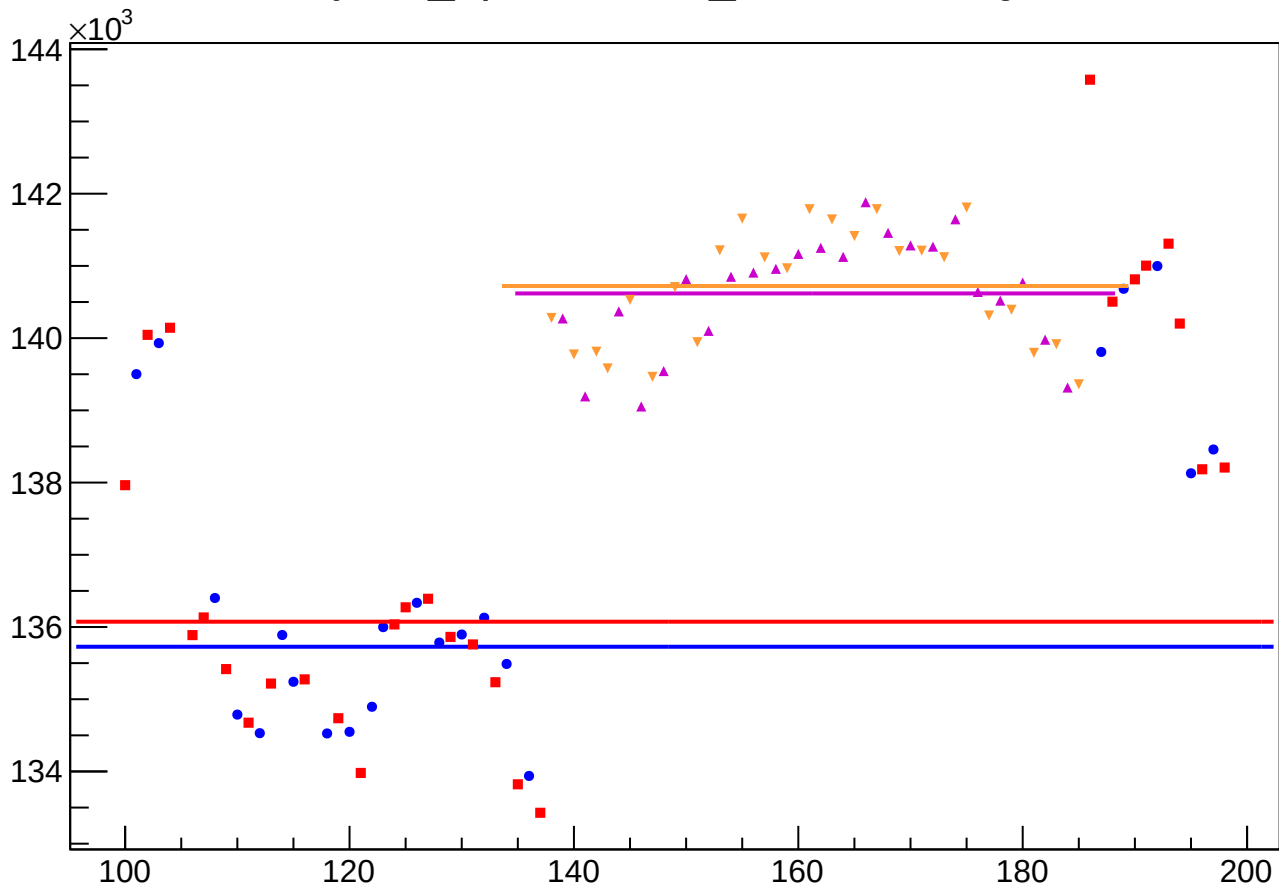
Left In: 272.115 ± 0.048 $\chi^2/\text{NDF}: 2221925.0/22$

+ sign 268.740 ± 0.038 $\chi^2/\text{NDF}: 4411566.9/46$

All: 269.906 ± 0.026 $\chi^2/\text{NDF}: 8303499.9/96$

- sign 271.031 ± 0.037 $\chi^2/\text{NDF}: 3890056.6/49$

yield_bpm0i02WS_mean vs Slug



Right In: 135726.872 ± 0.051 $\chi^2/\text{NDF}: 1186514974.2/21$

Left Out: 140721.823 ± 0.048 $\chi^2/\text{NDF}: 247257762.8/24$

Right Out: 136073.630 ± 0.047 $\chi^2/\text{NDF}: 1948661081.1/26$

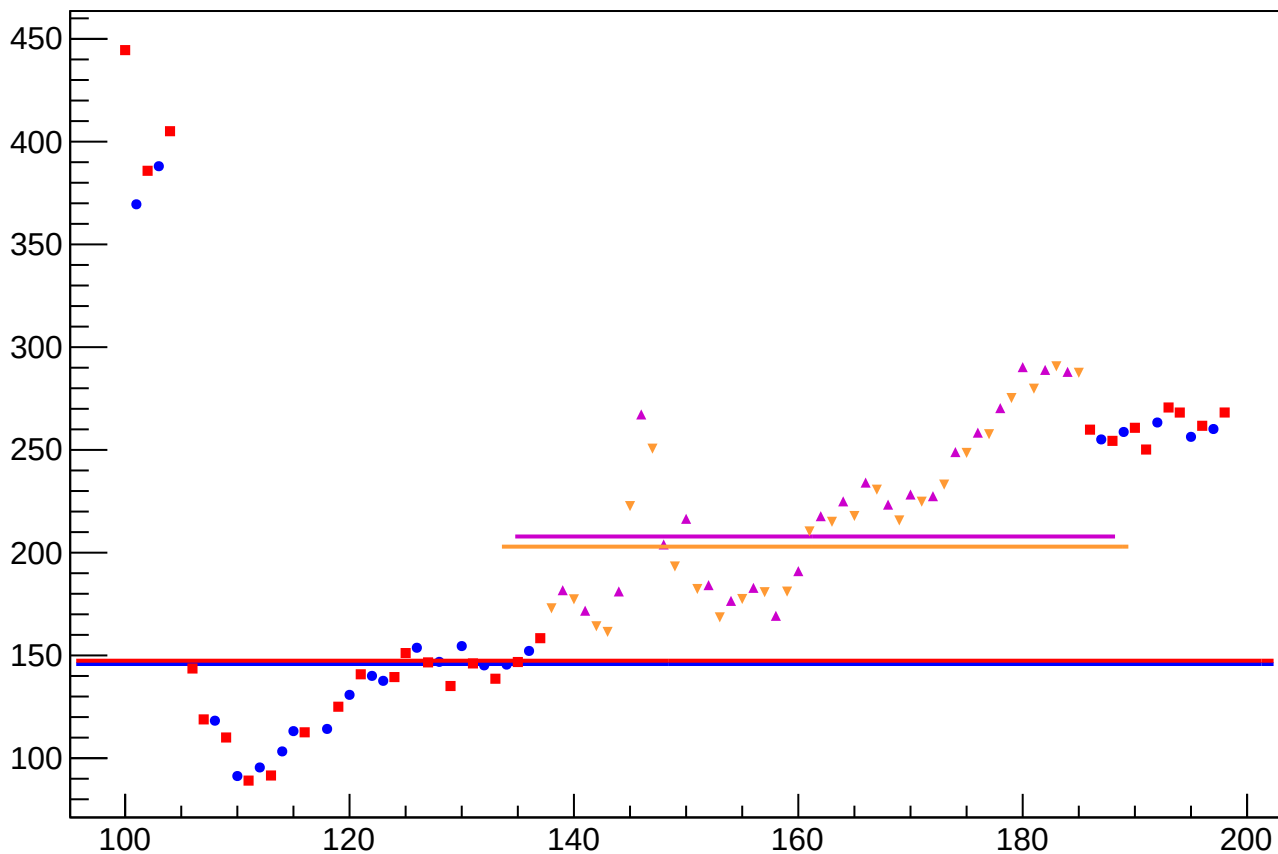
Left In: 140619.038 ± 0.051 $\chi^2/\text{NDF}: 200370178.0/22$

+ sign 138359.110 ± 0.035 $\chi^2/\text{NDF}: 6470331444.5/21$

All: 138254.267 ± 0.025 $\chi^2/\text{NDF}: 129321800.0/21$

- sign 138152.906 ± 0.035 $\chi^2/\text{NDF}: 6444340756.6/21$

yield_bpm0i02WS_rms vs Slug



Right In: 145.826+/-0.036 χ^2/NDF : 2710917.6/21

Left Out: 202.934+/-0.034 χ^2/NDF : 1052283.6/24

Right Out: 147.431+/-0.033 χ^2/NDF : 3729963.8/26

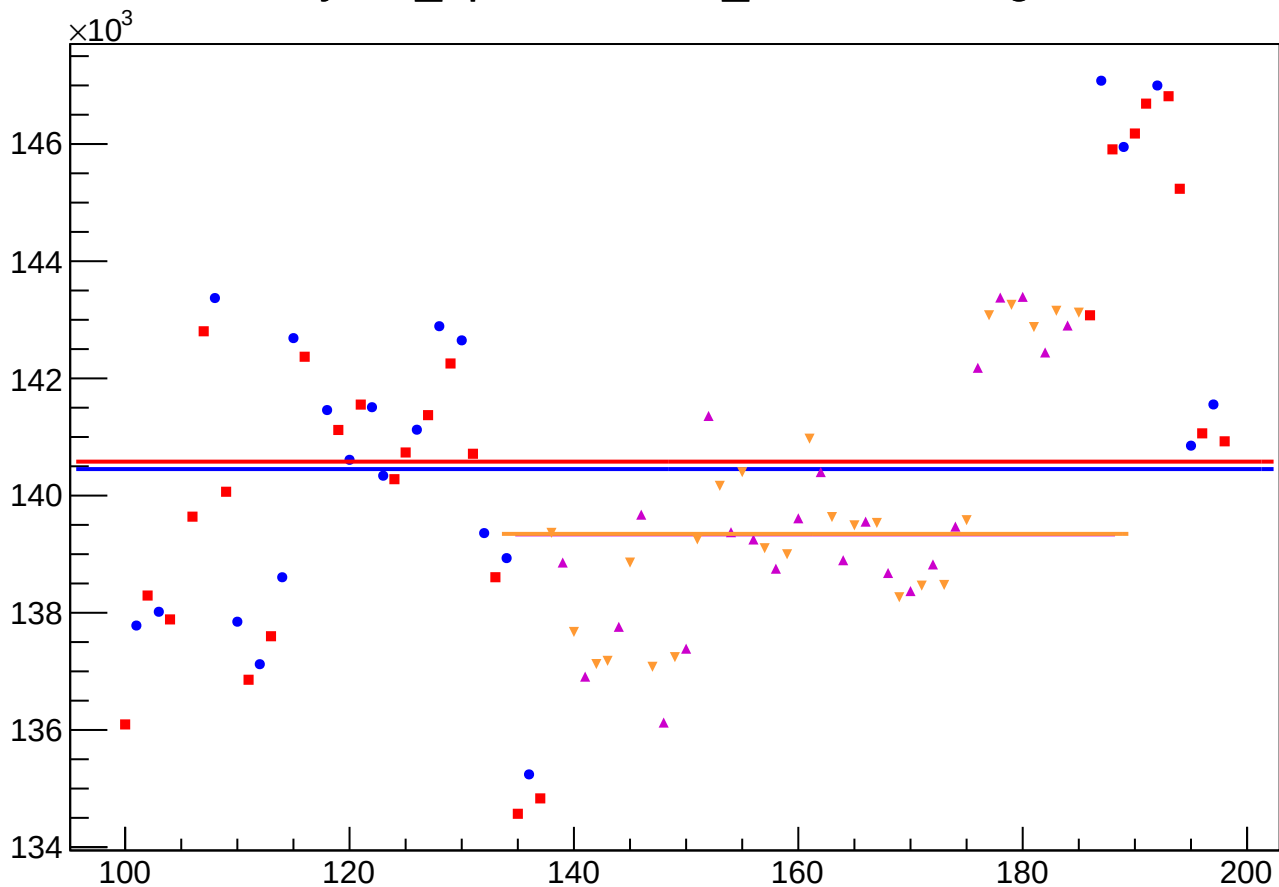
Left In: 207.872+/-0.036 χ^2/NDF : 949200.3/22

+ sign 175.921+/-0.025 χ^2/NDF : 5079949.7/46

All: 175.493+/-0.017 χ^2/NDF : 11278630.3/96

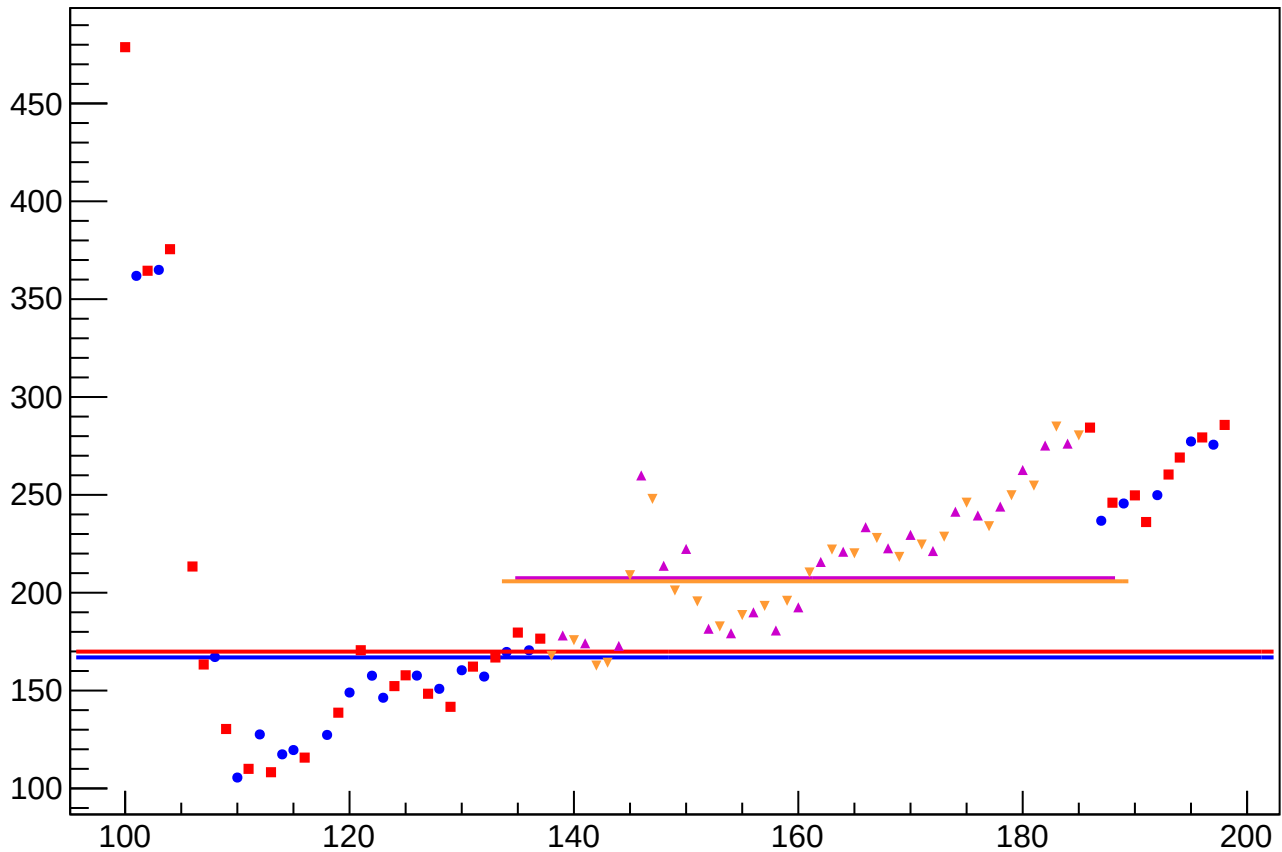
- sign 175.079+/-0.024 χ^2/NDF : 6198098.0/49

yield_bpm0i02aWS_mean vs Slug



Right In: 140452.390+/-0.057 χ^2/NDF : 2767206293.0/21
 Left Out: 139346.604+/-0.049 χ^2/NDF : 1271172976.7/24
 Right Out: 140579.517+/-0.053 χ^2/NDF : 3211032799.6/26
 Left In: 139337.874+/-0.051 χ^2/NDF : 1293003954.9/22
 All: 139874.824+/-0.026 χ^2/NDF : 904962192
 + sign 139813.426+/-0.037 χ^2/NDF : 4253681452.9
 - sign 139934.341+/-0.037 χ^2/NDF : 4790581862.4

yield_bpm0i02aWS_rms vs Slug



Right In: 166.945 $\pm$ 0.041 χ^2 /NDF: 1989707.0/21

Left Out: 205.833 $\pm$ 0.035 χ^2 /NDF: 738666.4/24

Right Out: 169.907 $\pm$ 0.037 χ^2 /NDF: 2815287.0/26

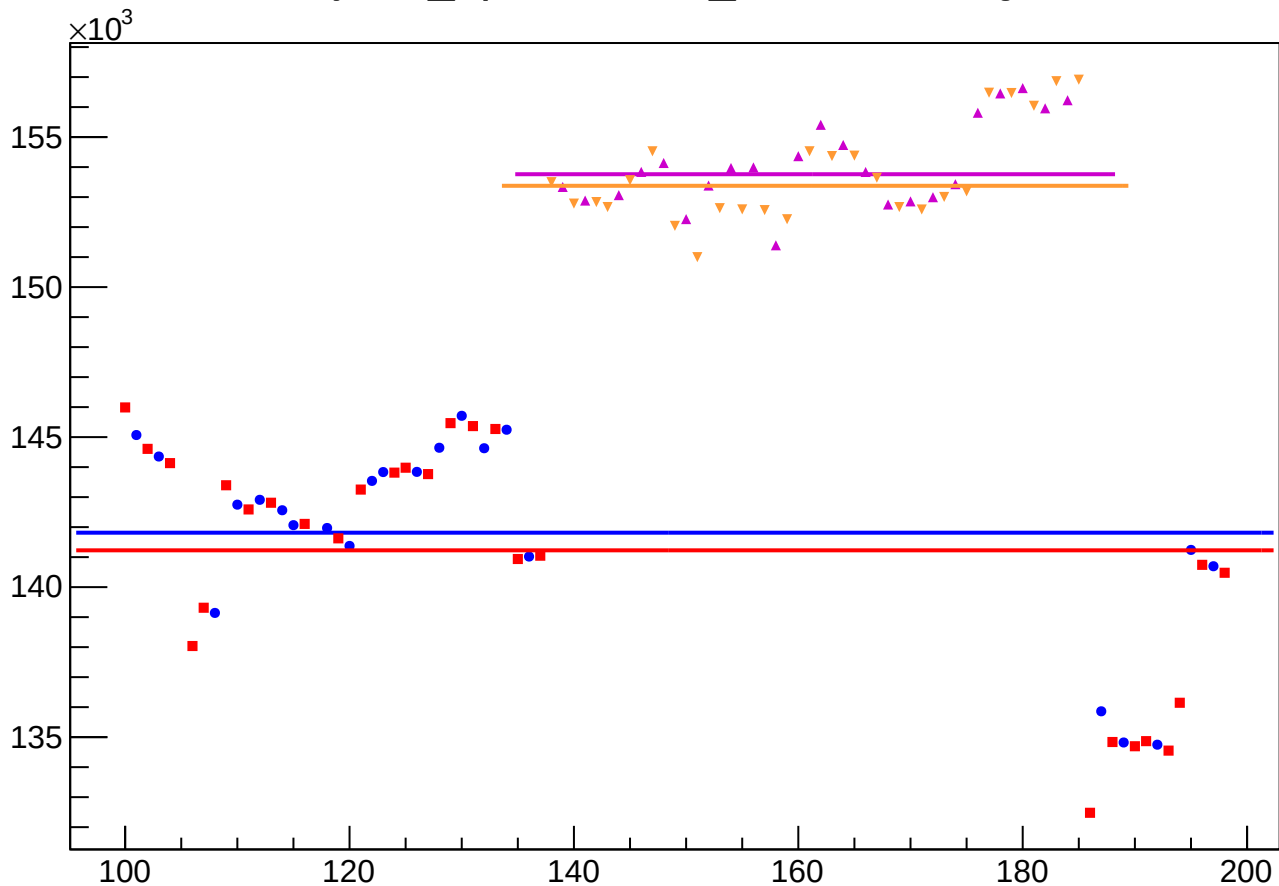
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 189.416 $\pm$ 0.026 χ^2 /NDF: 3260916.4/46

All: 189.406 $\pm$ 0.018 χ^2 /NDF: 7301164.5/96

- sign 189.397 $\pm$ 0.026 χ^2 /NDF: 4040247.8/49

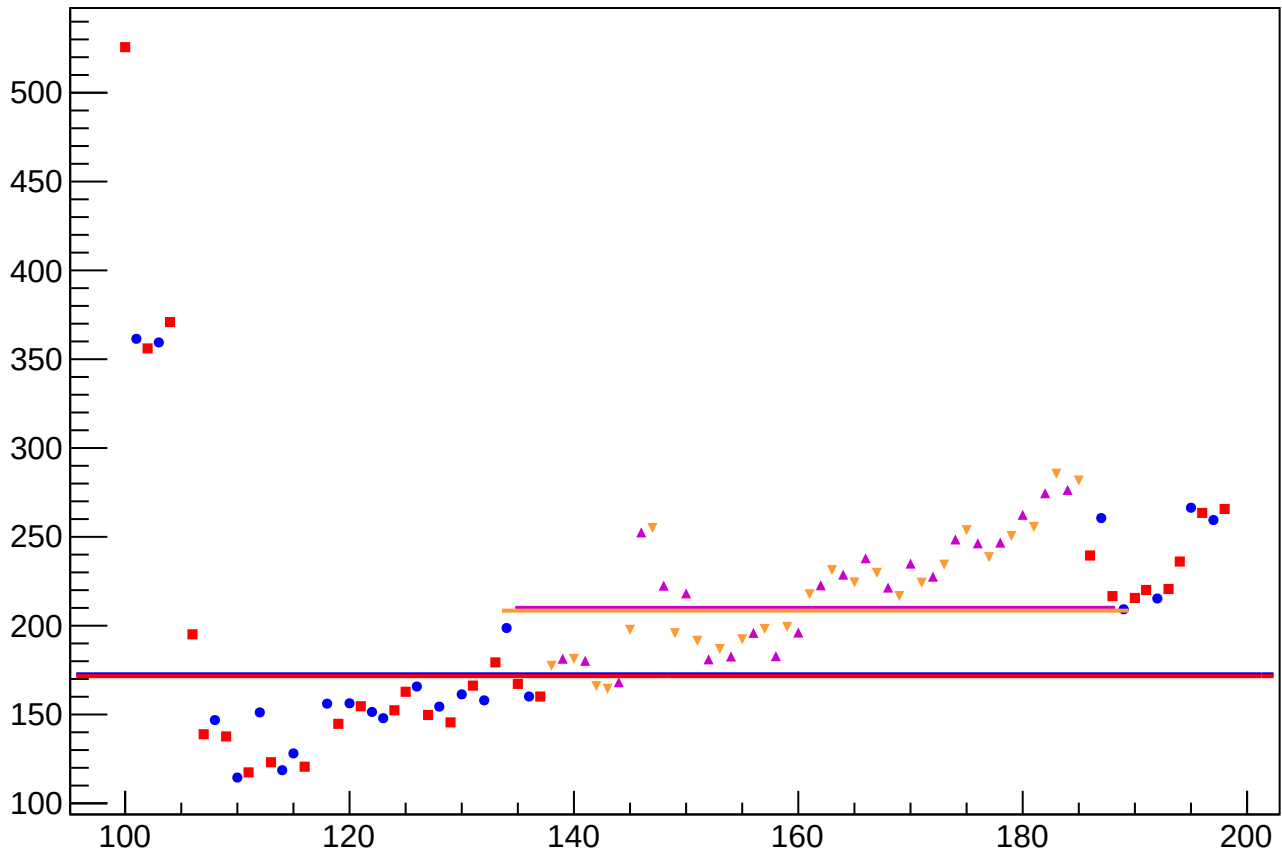
yield_bpm0i05WS_mean vs Slug



Right In: 141814.484 $\pm$ 0.058 χ^2 /NDF: 2593841629.1/21
 Left Out: 153376.698 $\pm$ 0.050 χ^2 /NDF: 803848095.1/24
 Right Out: 141226.584 $\pm$ 0.052 χ^2 /NDF: 4397171073.3/26
 Left In: 153762.419 $\pm$ 0.051 χ^2 /NDF: 635075685.0/22

+ sign 148539.941 $\pm$ 0.038 χ^2 /NDF: 26188365019.
 All: 148063.336 $\pm$ 0.026 χ^2 /NDF: 606553947.
 - sign 147613.079 $\pm$ 0.037 χ^2 /NDF: 34157534086.0

yield_bpm0i05WS_rms vs Slug



Right In: 172.635 $\pm$ 0.041 χ^2 /NDF: 1479982.2/21

Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24

Right Out: 171.584 $\pm$ 0.037 χ^2 /NDF: 2007292.7/26

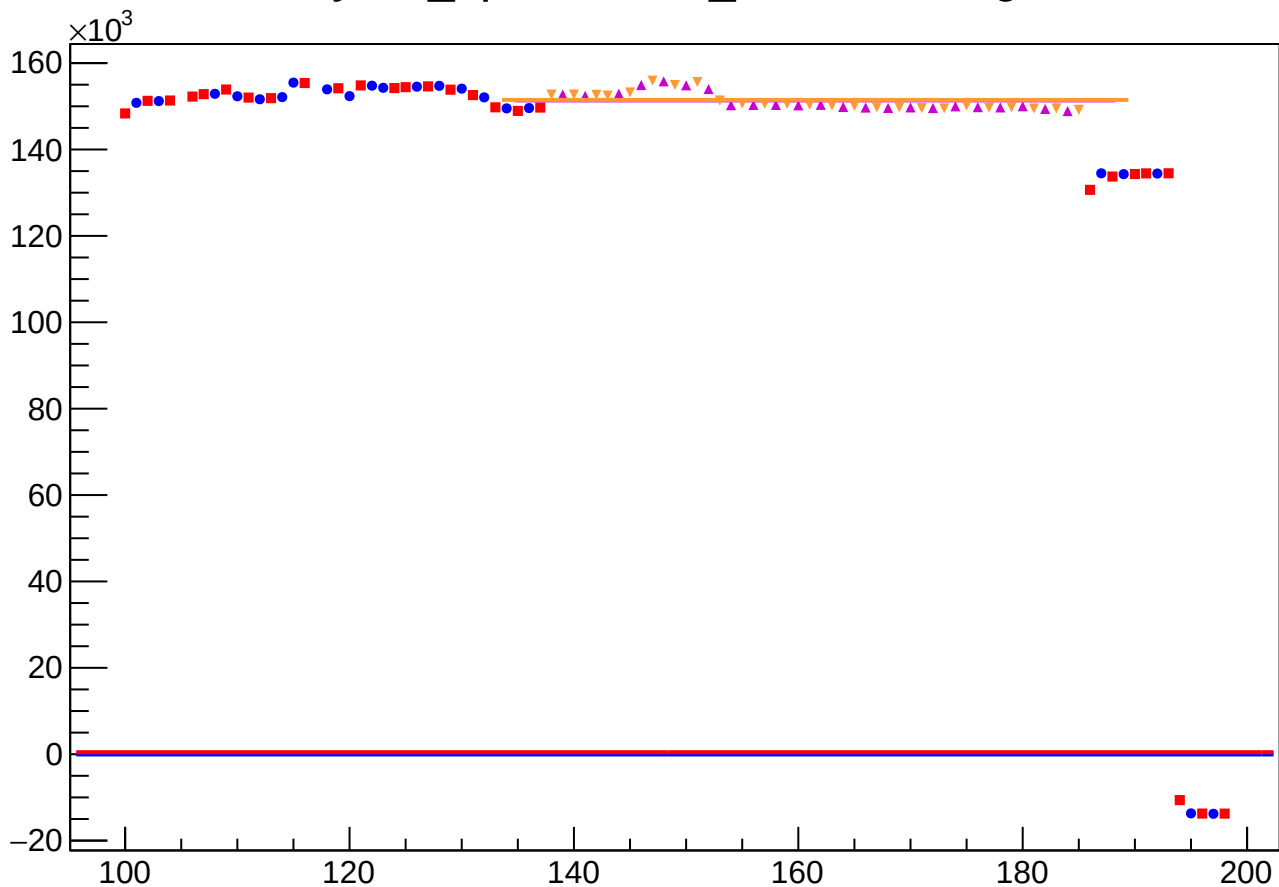
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 193.477 $\pm$ 0.027 χ^2 /NDF: 2638623.7/46

All: 192.293 $\pm$ 0.019 χ^2 /NDF: 5900226.1/96

- sign 191.175 $\pm$ 0.026 χ^2 /NDF: 3257783.0/49

yield_bpm0i07WS_mean vs Slug



Right In: -58.063 ± 0.019 χ^2/NDF : 5510254475404.6/21

Left Out: 151483.385 ± 0.050 χ^2/NDF : 1481910066.9/24

Right Out: 472.483 ± 0.017 χ^2/NDF : 6726889354911.2/26

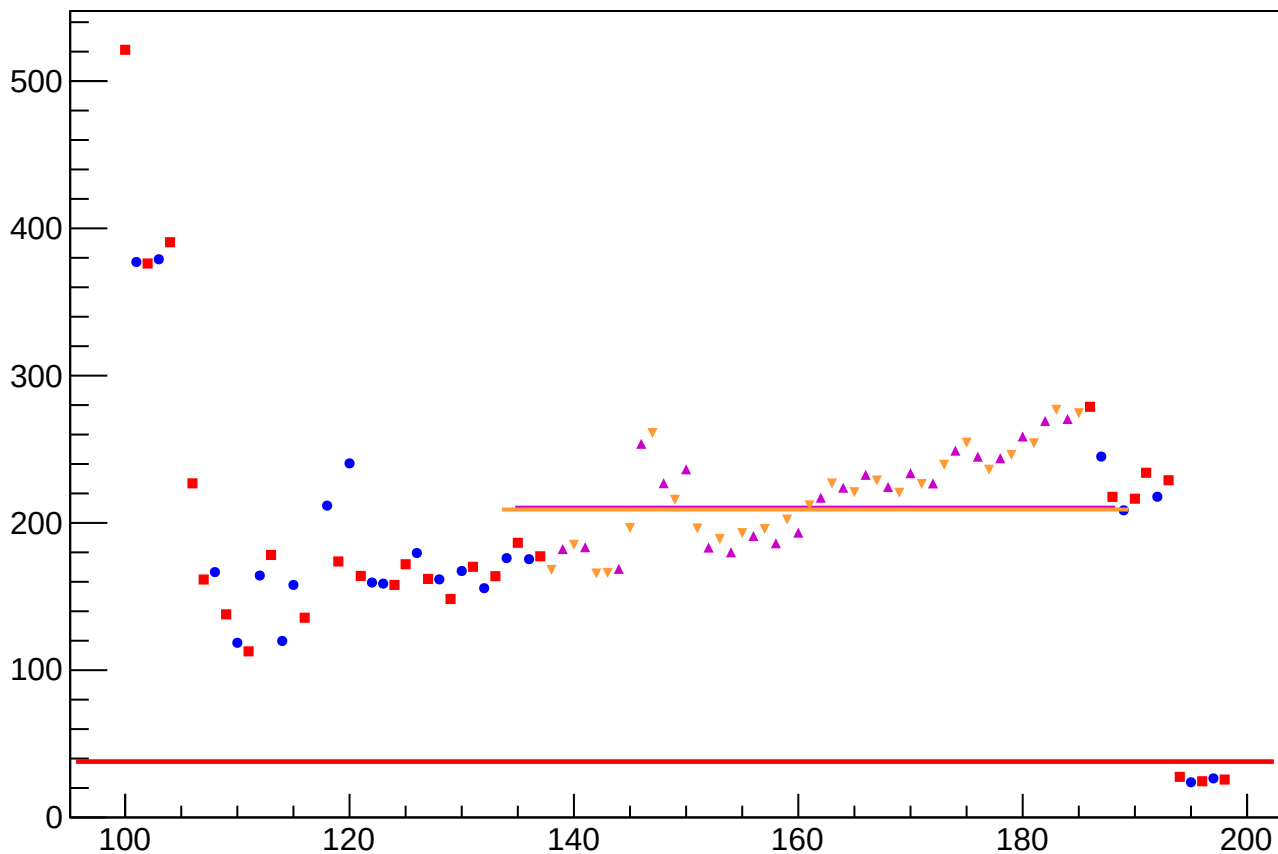
Left In: 151363.165 ± 0.051 χ^2/NDF : 1421662089.0/22

+ sign 19948.913 ± 0.018 χ^2/NDF : 1363942511723

All: 17826.157 ± 0.012 χ^2/NDF : 2812183568

- sign 16039.161 ± 0.017 χ^2/NDF : 1445677781209

yield_bpm0i07WS_rms vs Slug



Right In: 37.849 $\pm$ 0.014 χ^2 /NDF: 10828263.1/21

Left Out: 209.076 $\pm$ 0.035 χ^2 /NDF: 708260.3/24

Right Out: 38.077 $\pm$ 0.012 χ^2 /NDF: 12645750.6/26

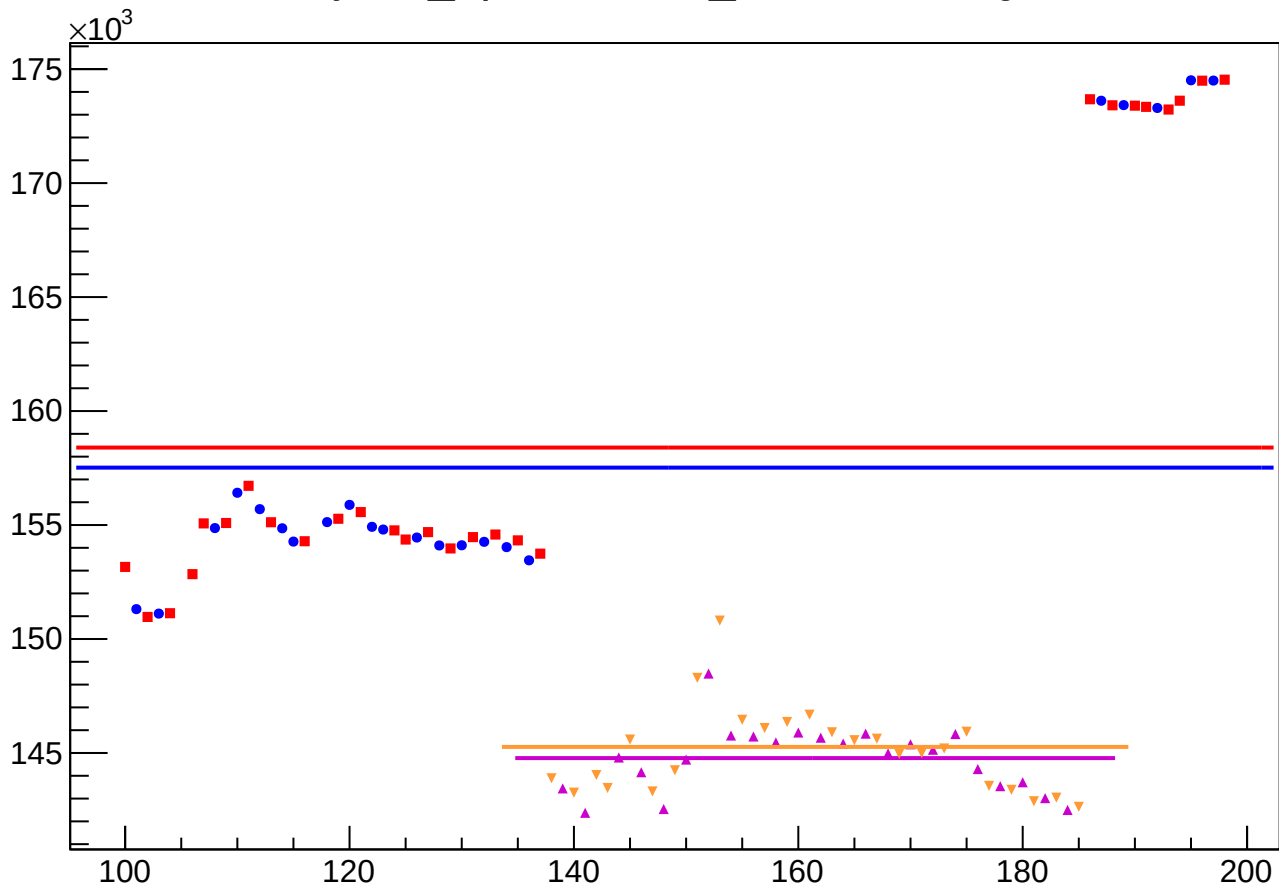
Left In: 210.345 $\pm$ 0.036 χ^2 /NDF: 677747.7/22

+ sign 60.455 $\pm$ 0.013 χ^2 /NDF: 32289300.3/46

All: 57.955 $\pm$ 0.009 χ^2 /NDF: 65830686.8/96

- sign 55.849 $\pm$ 0.012 χ^2 /NDF: 33470240.3/49

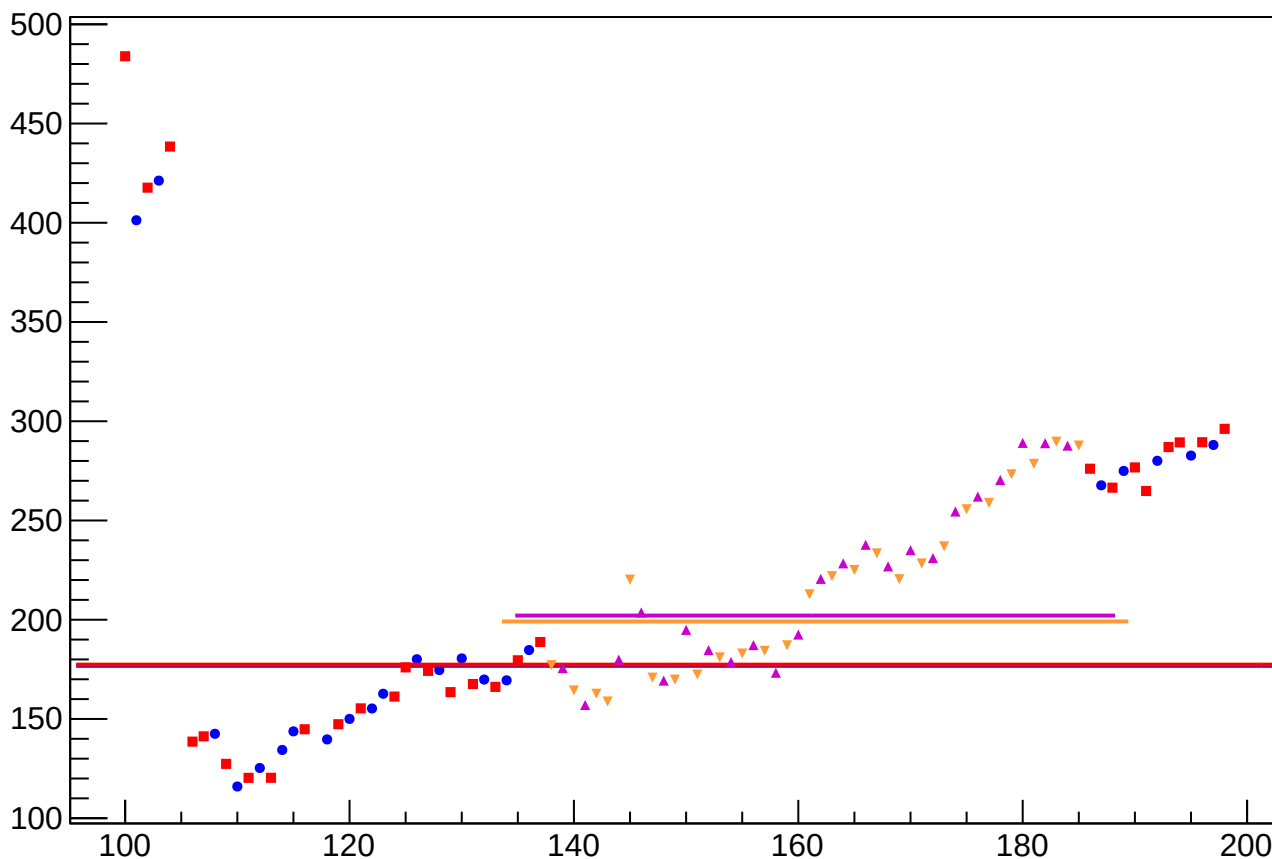
yield_bpm1i02WS_mean vs Slug



Right In: 157518.219 ± 0.061 $\chi^2/\text{NDF}: 12479693919.9/21$
 Left Out: 145266.717 ± 0.047 $\chi^2/\text{NDF}: 1717707352.7/24$
 Right Out: 158398.137 ± 0.055 $\chi^2/\text{NDF}: 18566526431.5/26$
 Left In: 144776.016 ± 0.050 $\chi^2/\text{NDF}: 918120275.4/22$

+ sign 149914.659 ± 0.037 $\chi^2/\text{NDF}: 39549209286.$
 All: 150414.132 ± 0.026 $\chi^2/\text{NDF}: 93342905.$
 - sign 150898.628 ± 0.037 $\chi^2/\text{NDF}: 53441143109.5$

yield_bpm1i02WS_rms vs Slug



Right In: 176.824 $\pm$ 0.043 χ^2 /NDF: 2118710.7/21

Left Out: 199.118 $\pm$ 0.034 χ^2 /NDF:1152231.0/24

Right Out: 177.359 $\pm$ 0.039 χ^2 /NDF: 2884634.7/26

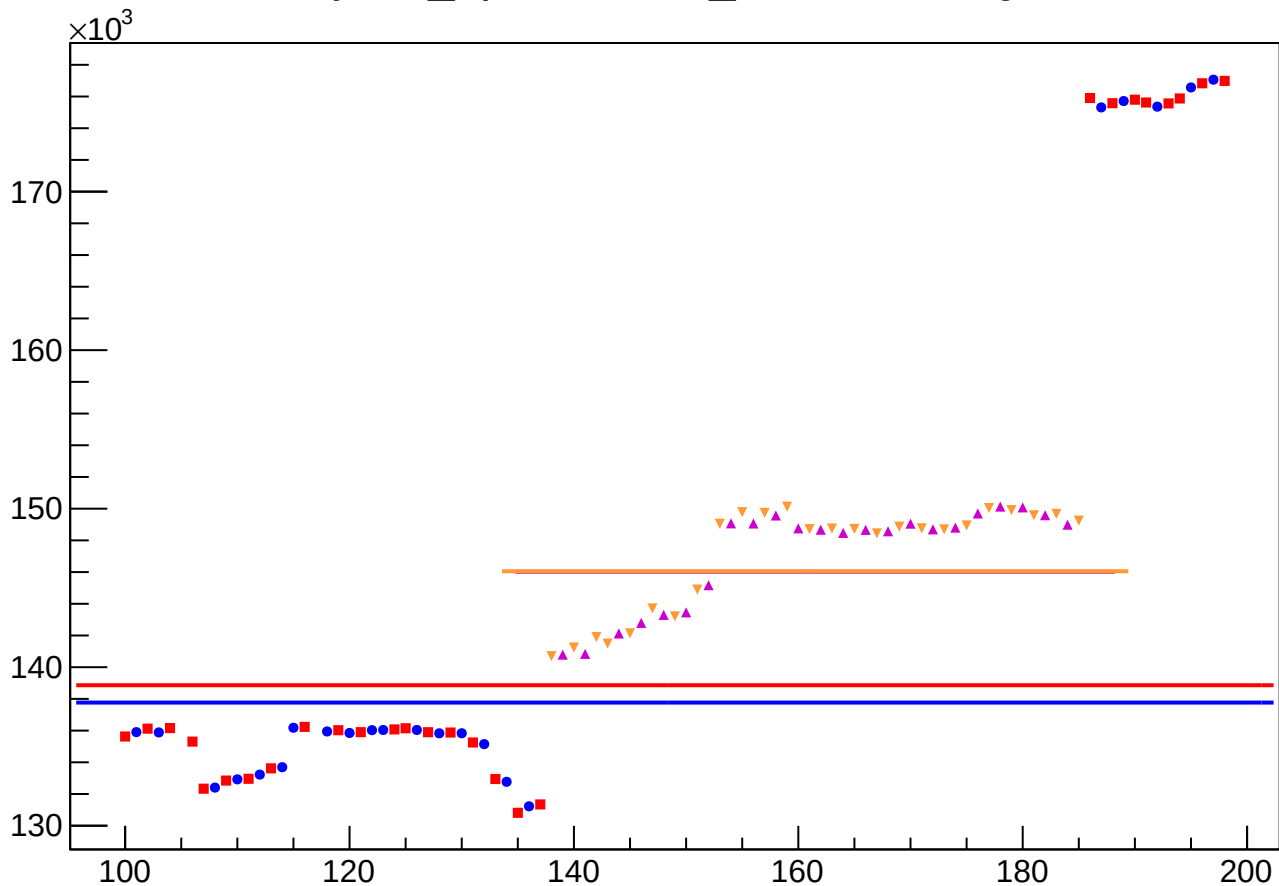
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 190.660 $\pm$ 0.026 χ^2 /NDF: 3438836.4/46

All: 190.820 $\pm$ 0.019 χ^2 /NDF: 7605227.3/96

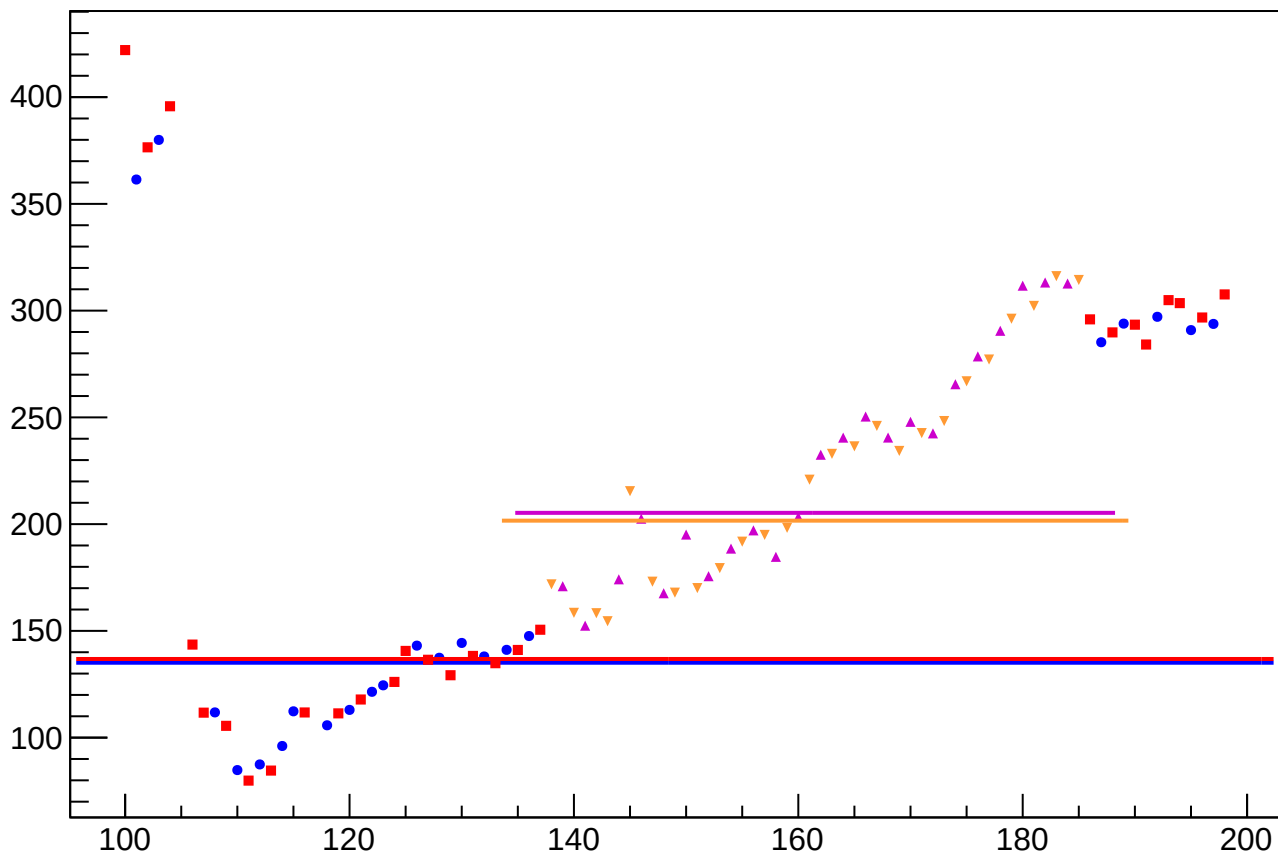
- sign 190.974 $\pm$ 0.026 χ^2 /NDF: 4166318.9/49

yield_bpm1i04WS_mean vs Slug



Right In: 137768.249 $\pm$ 0.048 χ^2 /NDF: 58348360656.8/21
 Left Out: 146051.733 $\pm$ 0.048 χ^2 /NDF: 5403300123.1/24
 Right Out: 138862.202 $\pm$ 0.045 χ^2 /NDF: 88853575748.1/26
 Left In: 146020.015 $\pm$ 0.051 χ^2 /NDF: 4591425371.4/22
 + sign 141906.348 $\pm$ 0.034 χ^2 /NDF: 78468276790.
 All: 141950.719 $\pm$ 0.024 χ^2 /NDF: 183149990.
 - sign 141993.444 $\pm$ 0.034 χ^2 /NDF: 104678398436

yield_bpm1i04WS_rms vs Slug



Right In: 135.086 $\pm$ 0.034 χ^2 /NDF: 3415902.0/21

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 136.838 $\pm$ 0.032 χ^2 /NDF: 4841694.9/26

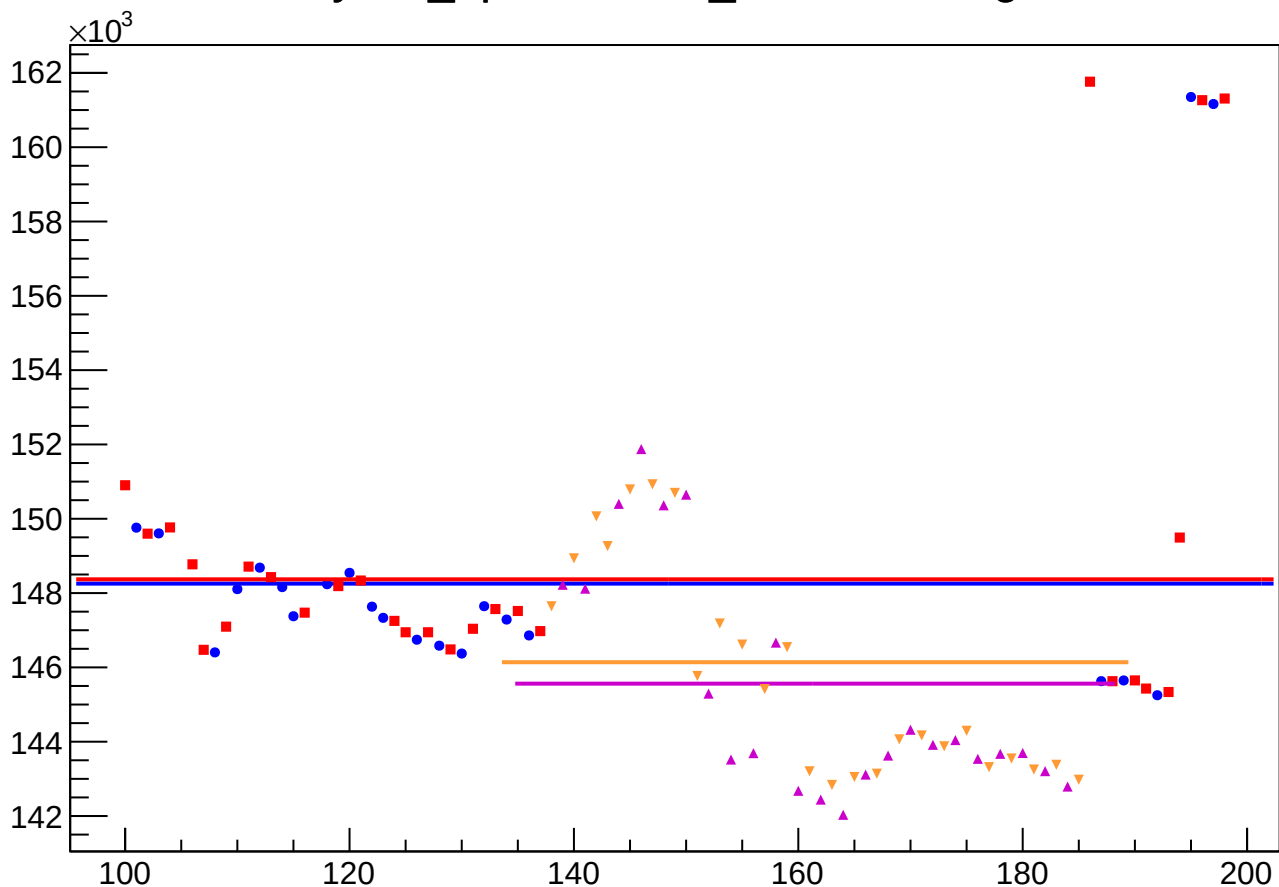
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 168.329 $\pm$ 0.024 χ^2 /NDF: 6905037.9/46

All: 167.541 $\pm$ 0.017 χ^2 /NDF: 15228590.4/96

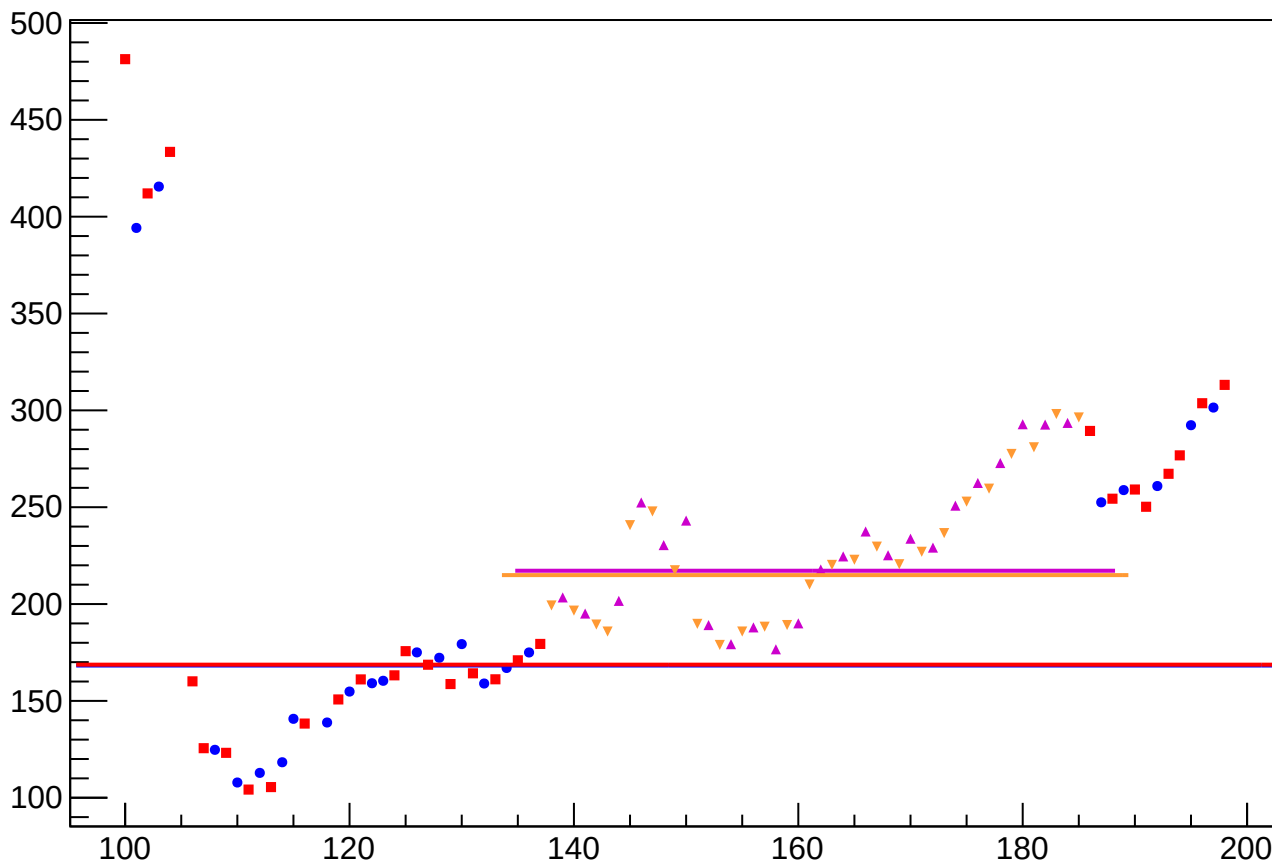
- sign 166.781 $\pm$ 0.024 χ^2 /NDF: 8321458.3/49

yield_bpm1i06WS_mean vs Slug



Right In: 148254.393 $\pm$ 0.058 χ^2 /NDF: 3441935652.9/21
 Left Out: 146139.326 $\pm$ 0.051 χ^2 /NDF: 2699546907.6/24
 Right Out: 148370.060 $\pm$ 0.053 χ^2 /NDF: 4189400170.4/26
 Left In: 145562.386 $\pm$ 0.053 χ^2 /NDF: 3054641996.0/22
 All: 147014.061 $\pm$ 0.027 χ^2 /NDF: 155434059.3/27
 - sign: 146973.404 $\pm$ 0.037 χ^2 /NDF: 8650790689.3/27

yield_bpm1i06WS_rms vs Slug



Right In: 168.261+/-0.041 χ^2/NDF : 2358670.4/21

Left Out: 214.945+/-0.036 χ^2/NDF : 728515.5/24

Right Out: 168.709+/-0.037 χ^2/NDF : 3275295.7/26

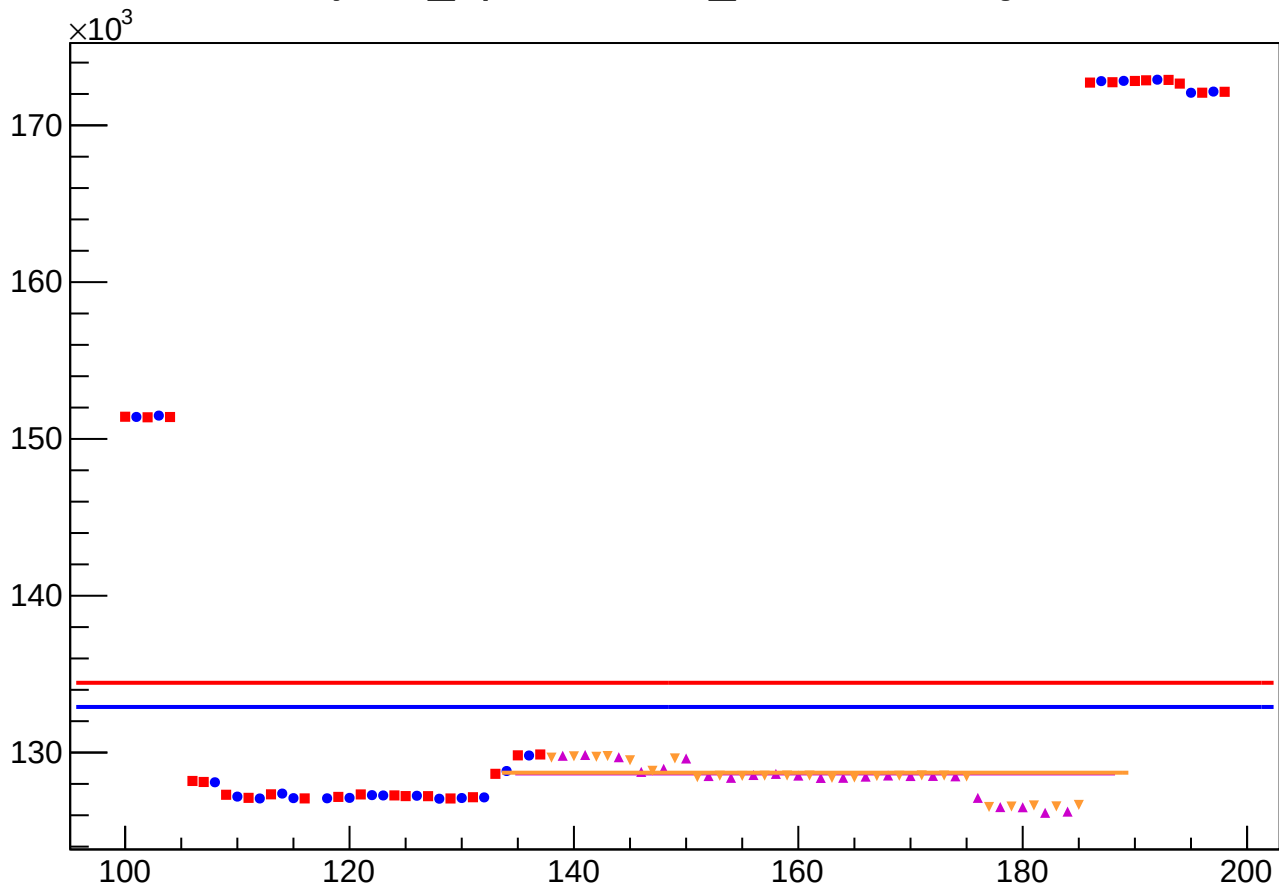
Left In: 217.203+/-0.038 χ^2/NDF : 764798.3/22

+ sign 194.698+/-0.027 χ^2/NDF : 3816709.6/46

All: 193.743+/-0.019 χ^2/NDF : 8698566.5/96

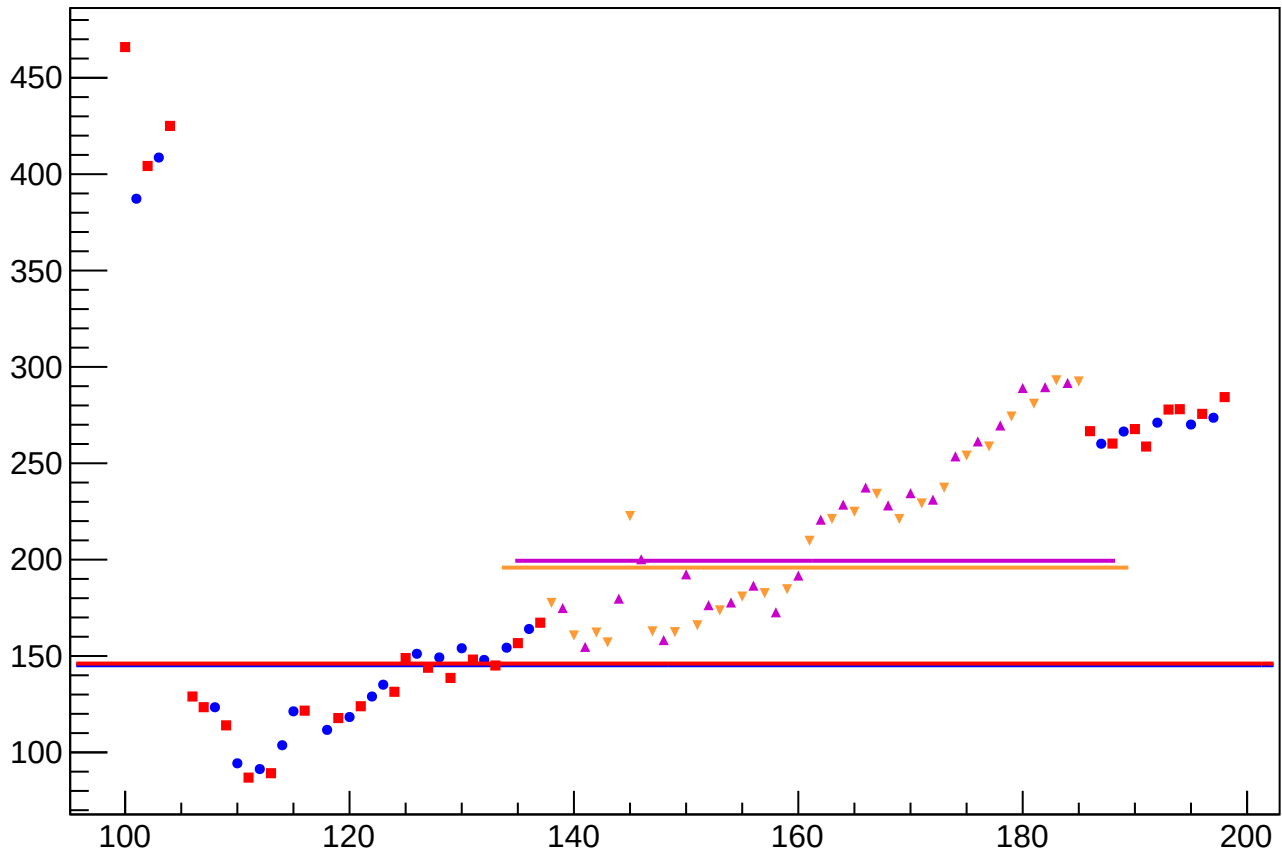
- sign 192.832+/-0.026 χ^2/NDF : 4879430.3/49

yield_bpm2i01WS_mean vs Slug



Right In: 132906.928 $\pm$ 0.051 χ^2 /NDF: 78449848808.9/21
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 134448.942 $\pm$ 0.047 χ^2 /NDF: 118376007426.0/26
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22
 + sign 130620.628 $\pm$ 0.034 χ^2 /NDF: 82462550137.
 All: 131174.232 $\pm$ 0.024 χ^2 /NDF: 208993325.
 - sign 131704.579 $\pm$ 0.034 χ^2 /NDF: 126026180099.

yield_bpm2i01WS_rms vs Slug



Right In: 145.213 $\pm$ 0.036 χ^2 /NDF: 2959085.3/21

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF: 1313361.5/24

Right Out: 146.081 $\pm$ 0.033 χ^2 /NDF: 4054124.9/26

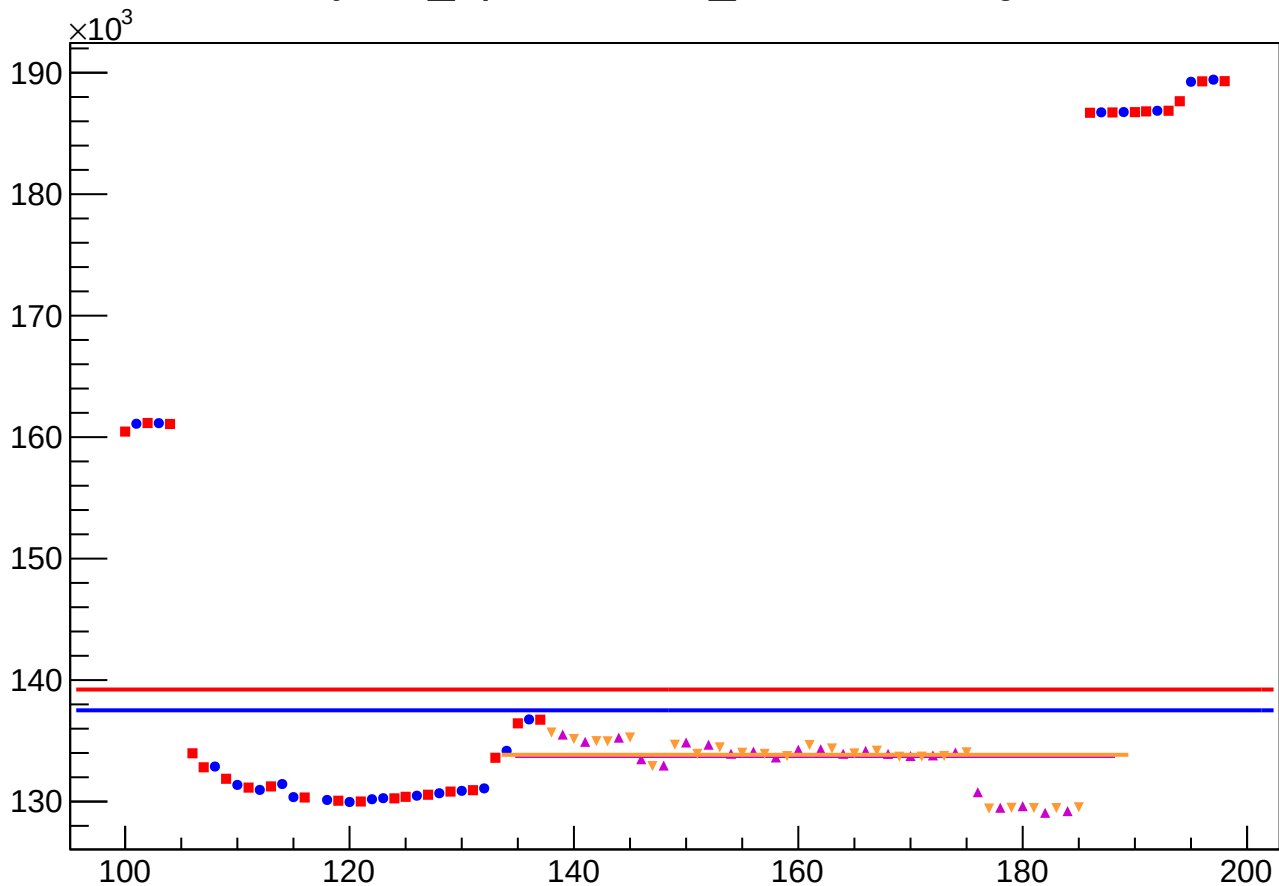
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF: 1165698.7/22

+ sign 172.845 $\pm$ 0.024 χ^2 /NDF: 5343026.8/46

All: 172.105 $\pm$ 0.017 χ^2 /NDF: 11809747.2/96

- sign 171.395 $\pm$ 0.024 χ^2 /NDF: 6464914.5/49

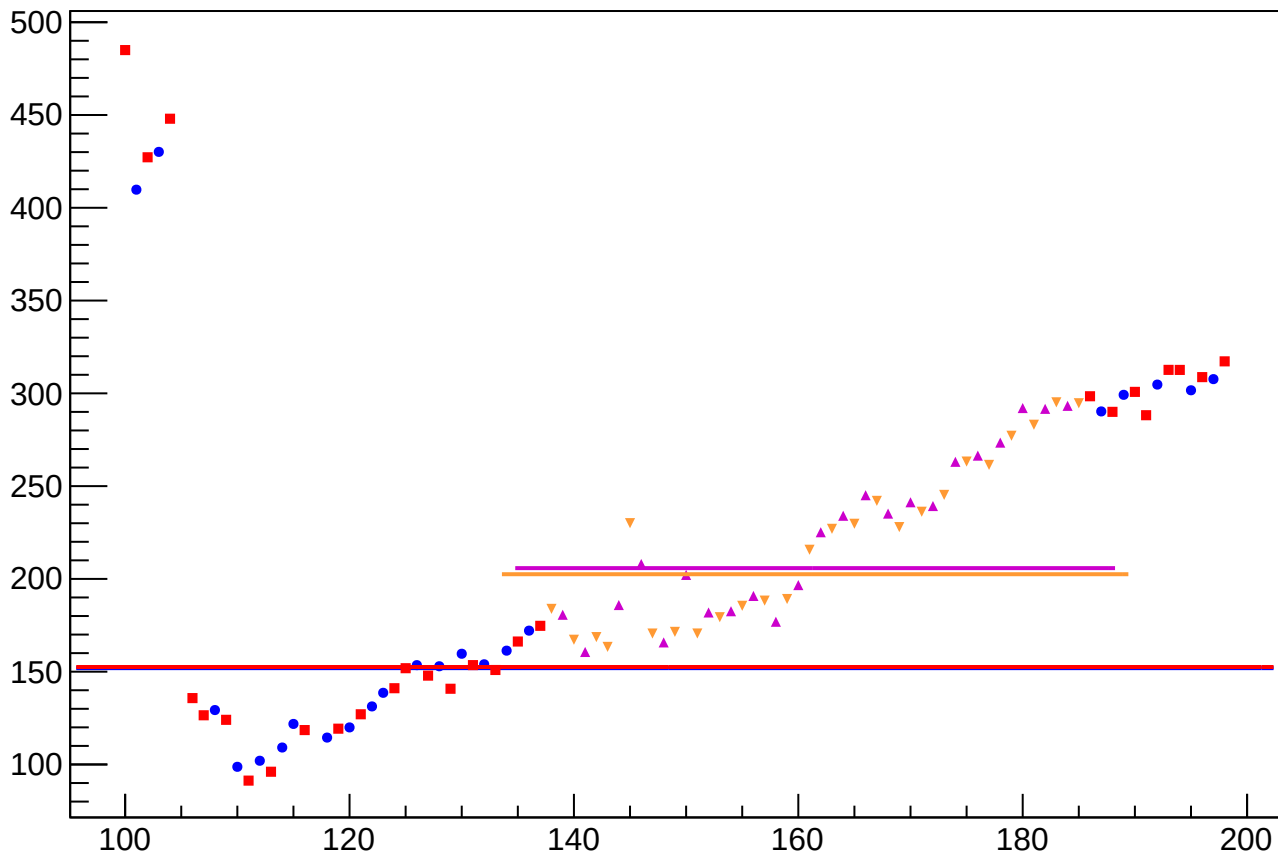
yield_bpm2i02WS_mean vs Slug



Right In: 137510.875 $\pm$ 0.054 χ^2 /NDF: 101466090495.5/21
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 139223.012 $\pm$ 0.049 χ^2 /NDF: 150764498453.2/26
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22

+ sign 135481.180 $\pm$ 0.036 χ^2 /NDF: 105112994004
 All: 136035.697 $\pm$ 0.025 χ^2 /NDF: 263344388
 - sign 136568.010 $\pm$ 0.035 χ^2 /NDF: 157763992745

yield_bpm2i02WS_rms vs Slug



Right In: 151.919 ± 0.038 $\chi^2/\text{NDF}: 3132630.4/21$

Left Out: 202.527 ± 0.034 $\chi^2/\text{NDF}: 1211991.5/24$

Right Out: 152.523 ± 0.035 $\chi^2/\text{NDF}: 4378476.8/26$

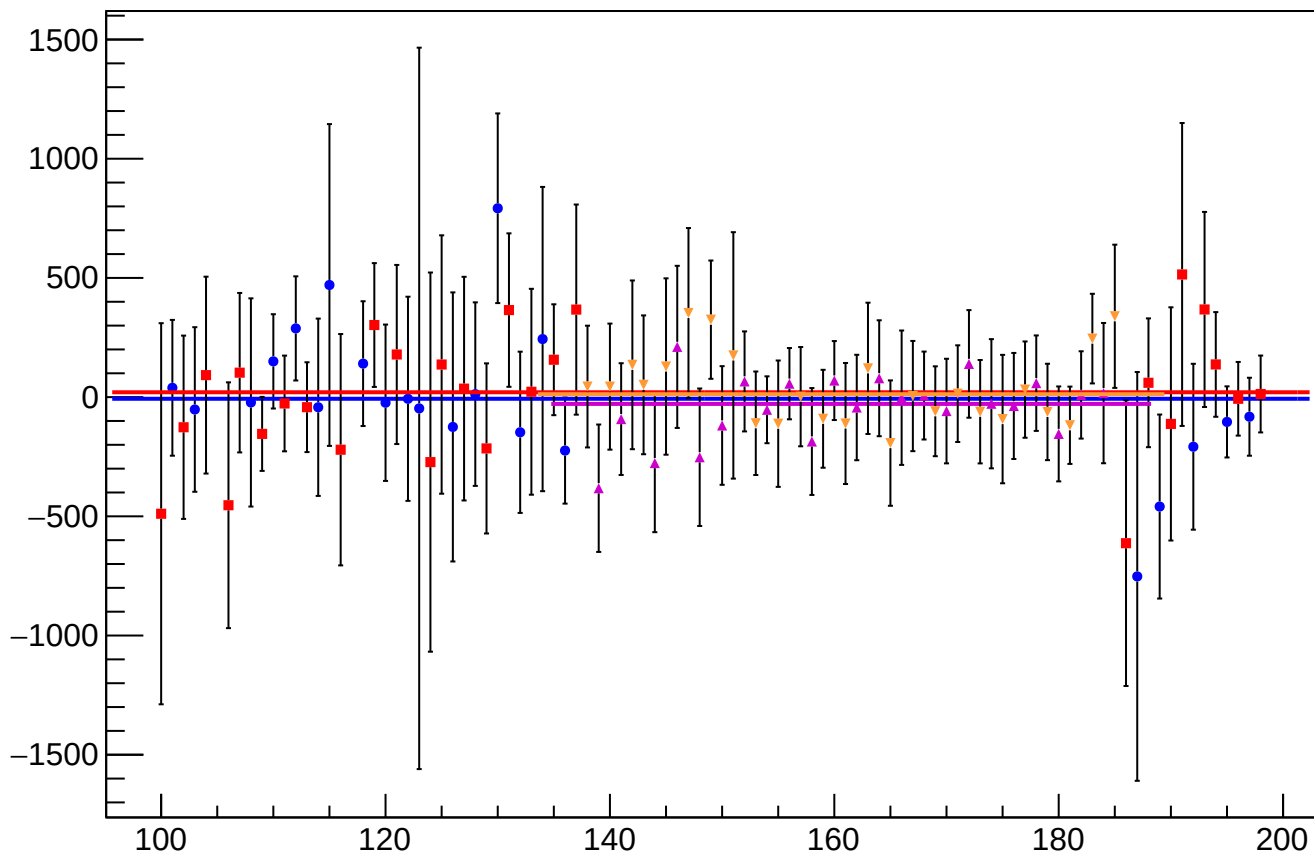
Left In: 205.808 ± 0.036 $\chi^2/\text{NDF}: 1094330.7/22$

+ sign 179.982 ± 0.025 $\chi^2/\text{NDF}: 5325989.8/46$

All: 179.160 ± 0.018 $\chi^2/\text{NDF}: 11946791.9/96$

- sign 178.370 ± 0.025 $\chi^2/\text{NDF}: 6618744.9/49$

asym_bcm_an_ds_mean vs Slug



Right In: -6.899 ± 62.260 χ^2/NDF : 11.8/21

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 20.417 ± 54.731 χ^2/NDF : 10.1/26

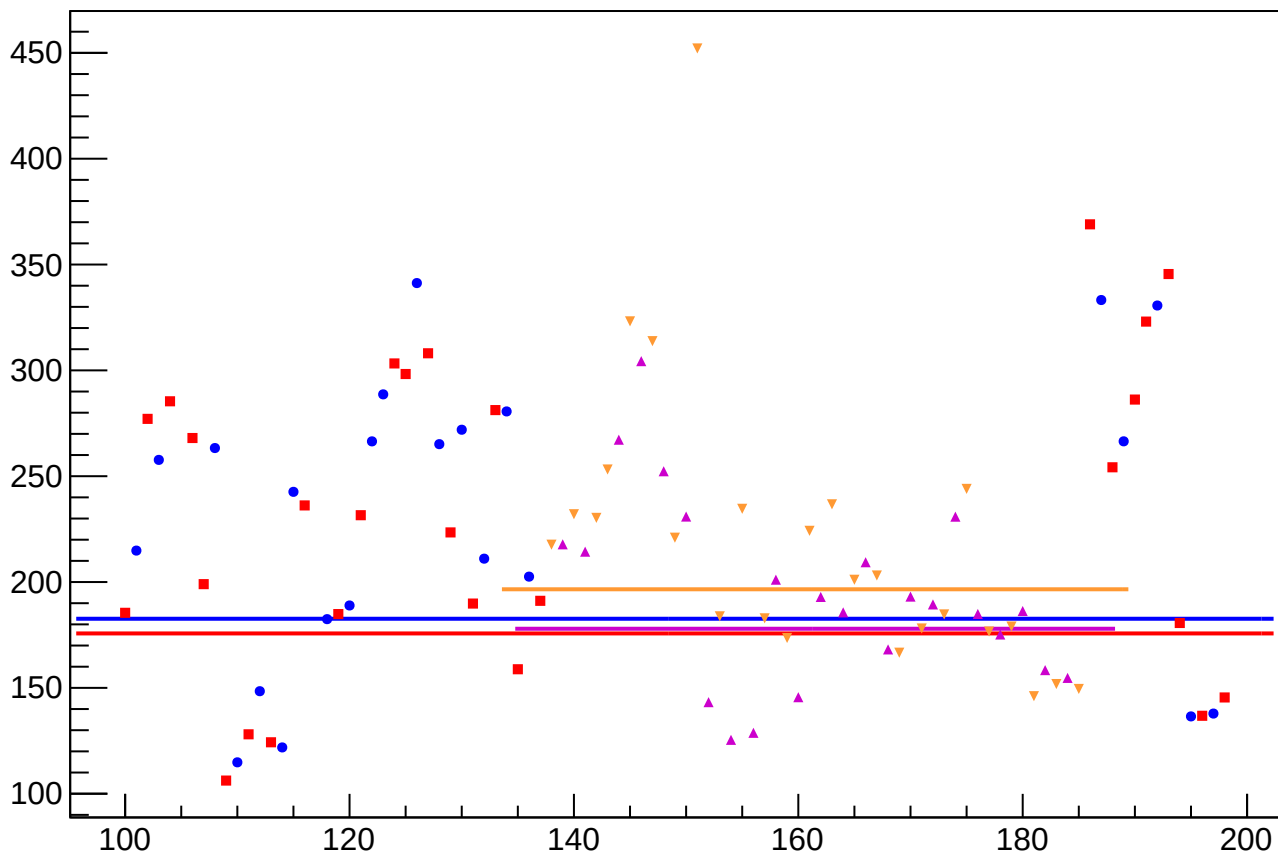
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign 5.155 ± 37.780 χ^2/NDF : 20.4/46

All: -2.488 ± 25.522 χ^2/NDF : 37.7/96

- sign -8.904 ± 34.615 χ^2/NDF : 17.2/49

asym_bcm_an_ds_rms vs Slug



Right In: 182.654 $\pm$ 0.044 χ^2 /NDF: 1916185.5/21

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF: 1778719.0/24

Right Out: 175.718 $\pm$ 0.039 χ^2 /NDF: 2709295.4/26

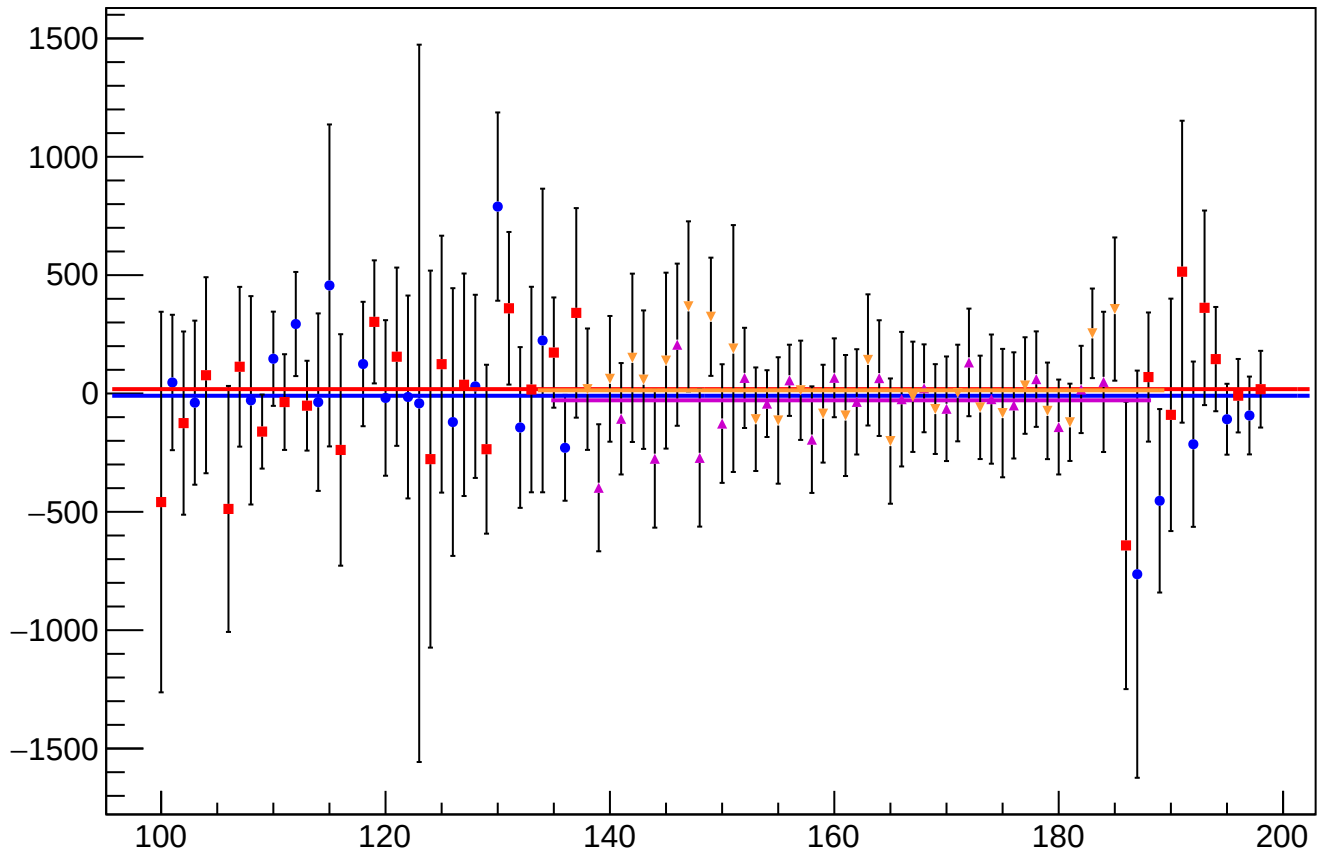
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF: 1605780.8/22

+ sign 191.450 $\pm$ 0.027 χ^2 /NDF: 3758085.3/46

All: 183.620 $\pm$ 0.018 χ^2 /NDF: 8233144.2/96

- sign 177.047 $\pm$ 0.024 χ^2 /NDF: 4317040.9/49

asym_bcm_an_ds3_mean vs Slug



Right In: -9.604 ± 62.554 χ^2/NDF : 11.8/21

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 18.370 ± 55.019 χ^2/NDF : 10.4/26

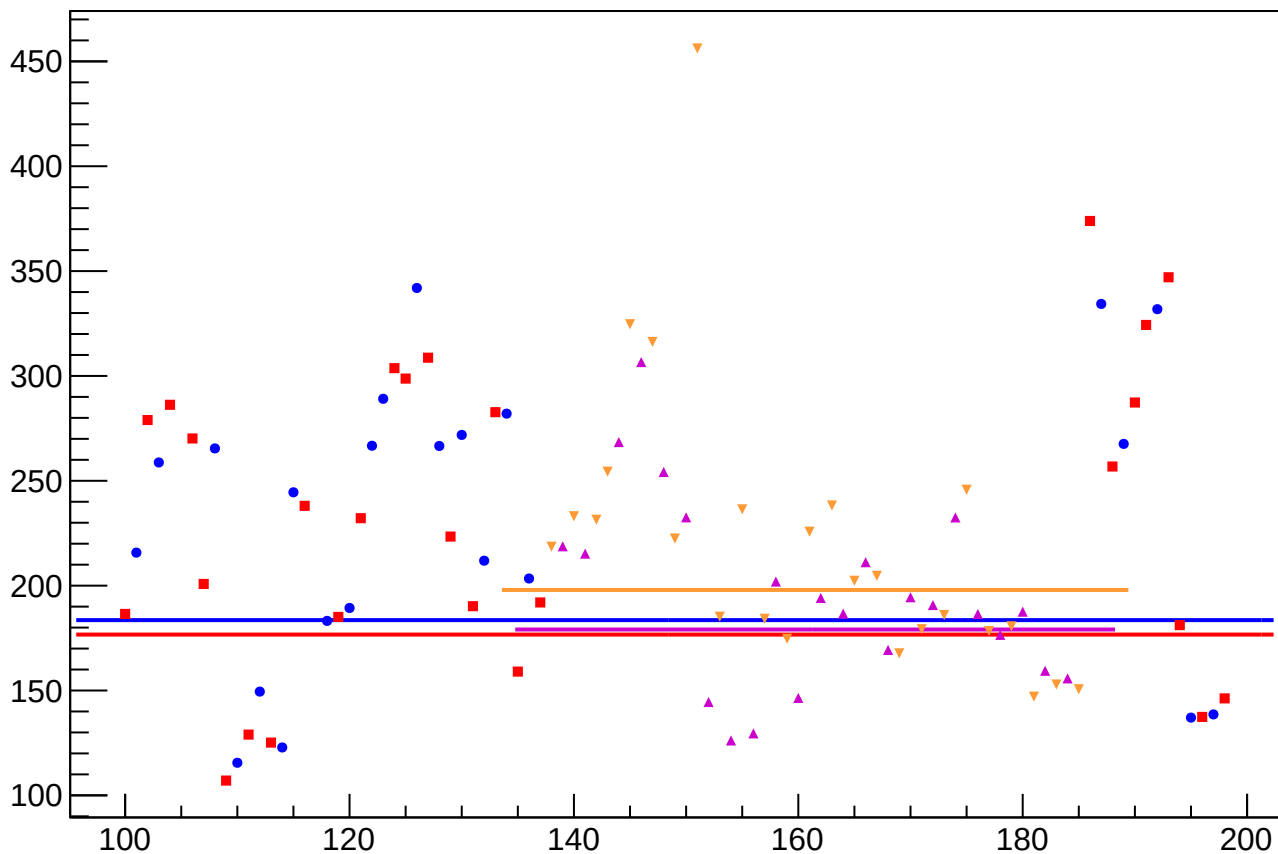
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign 4.902 ± 38.012 χ^2/NDF : 20.8/46

All: -3.149 ± 25.677 χ^2/NDF : 38.6/96

- sign -9.907 ± 34.823 χ^2/NDF : 17.7/49

asym_bcm_an_ds3_rms vs Slug



Right In: 183.560 $\pm$ 0.044 χ^2 /NDF: 1907367.7/21

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 176.665 $\pm$ 0.039 χ^2 /NDF: 2703153.2/26

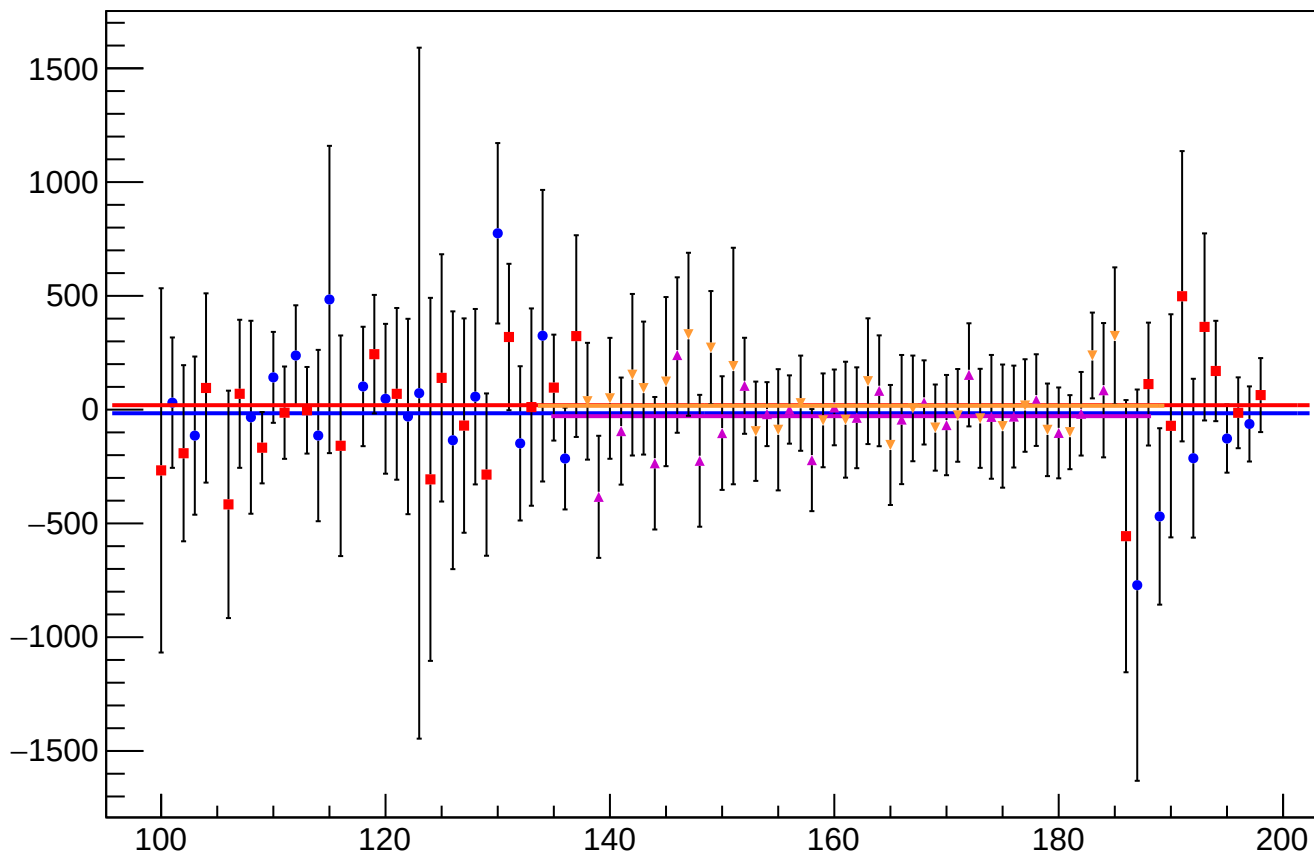
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 192.638 $\pm$ 0.027 χ^2 /NDF: 3748671.0/46

All: 184.744 $\pm$ 0.018 χ^2 /NDF: 8217922.0/96

- sign 178.119 $\pm$ 0.025 χ^2 /NDF: 4310594.0/49

asym_bcm_an_us_mean vs Slug



Right In: -15.887 ± 62.603 χ^2/NDF : 11.3/21

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 19.537 ± 54.996 χ^2/NDF : 9.0/26

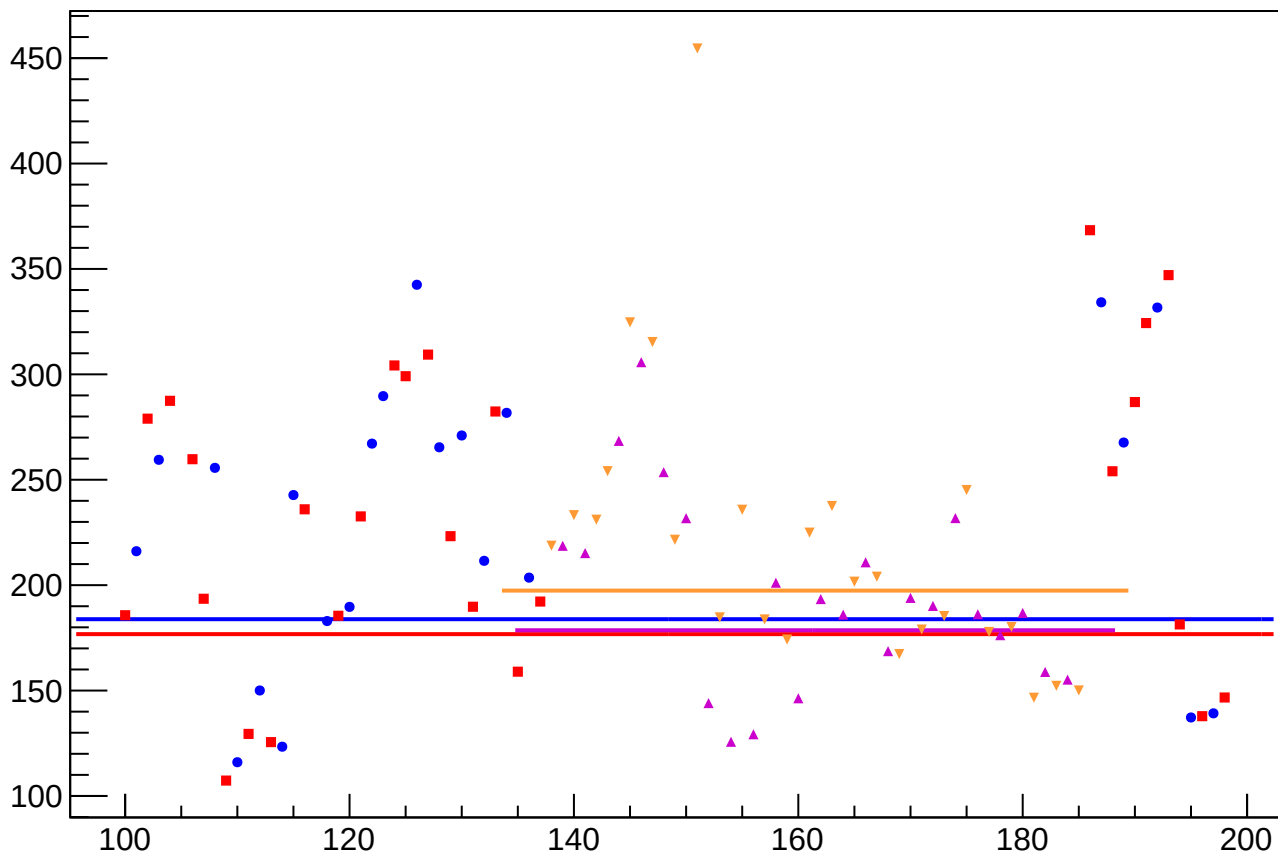
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign 4.998 ± 37.960 χ^2/NDF : 18.5/46

All: -2.834 ± 25.637 χ^2/NDF : 34.2/96

- sign -9.402 ± 34.762 χ^2/NDF : 15.6/49

asym_bcm_an_us_rms vs Slug



Right In: 183.853 $\pm$ 0.044 χ^2 /NDF: 1878992.3/21

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF: 1780261.9/24

Right Out: 176.769 $\pm$ 0.039 χ^2 /NDF: 2659498.1/26

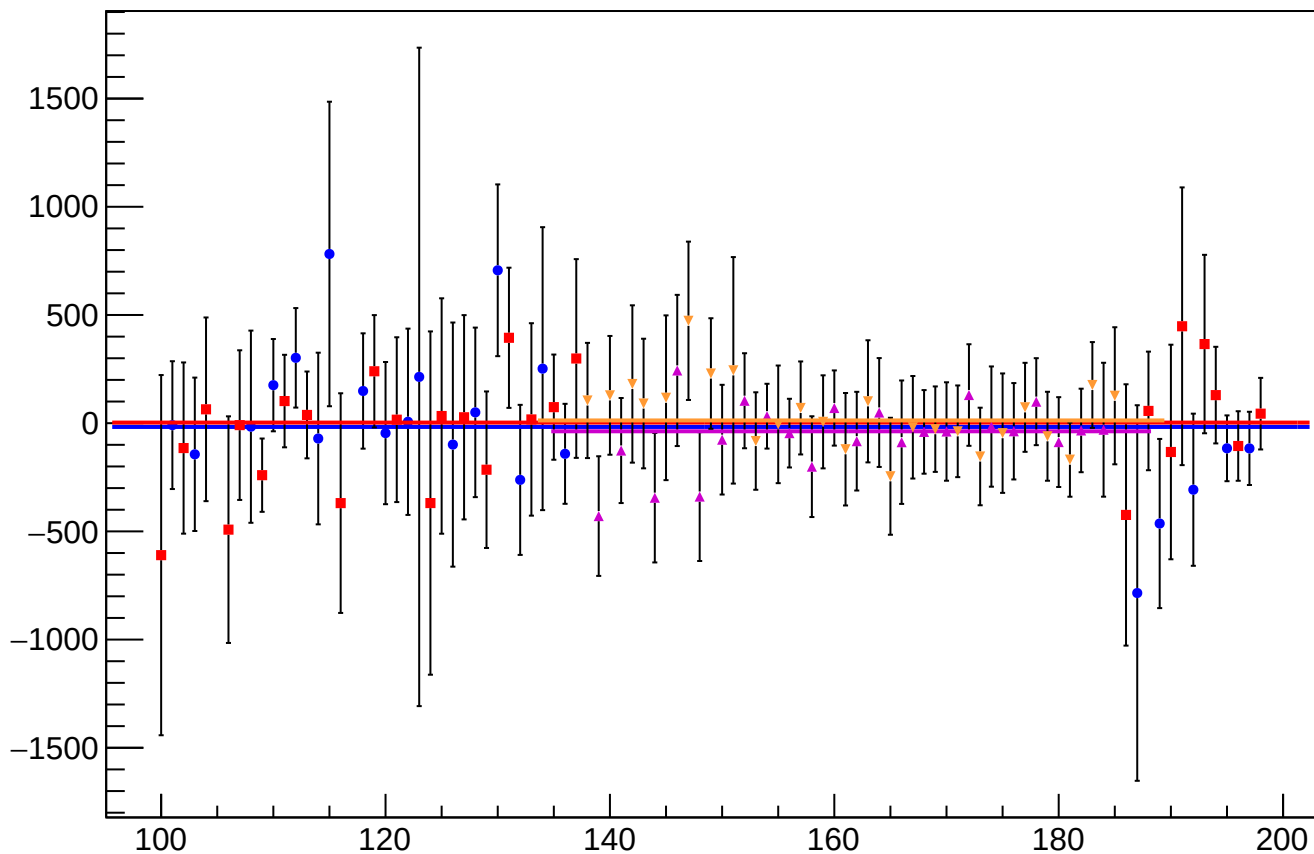
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF: 1608998.1/22

+ sign 192.433 $\pm$ 0.027 χ^2 /NDF: 3718665.5/46

All: 184.512 $\pm$ 0.018 χ^2 /NDF: 8148602.2/96

- sign 177.869 $\pm$ 0.025 χ^2 /NDF: 4269829.0/49

asym_bcm_dg_us_mean vs Slug



Right In: -17.429 ± 64.213 χ^2/NDF : 12.5/21

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: 2.767 ± 56.816 χ^2/NDF : 10.5/26

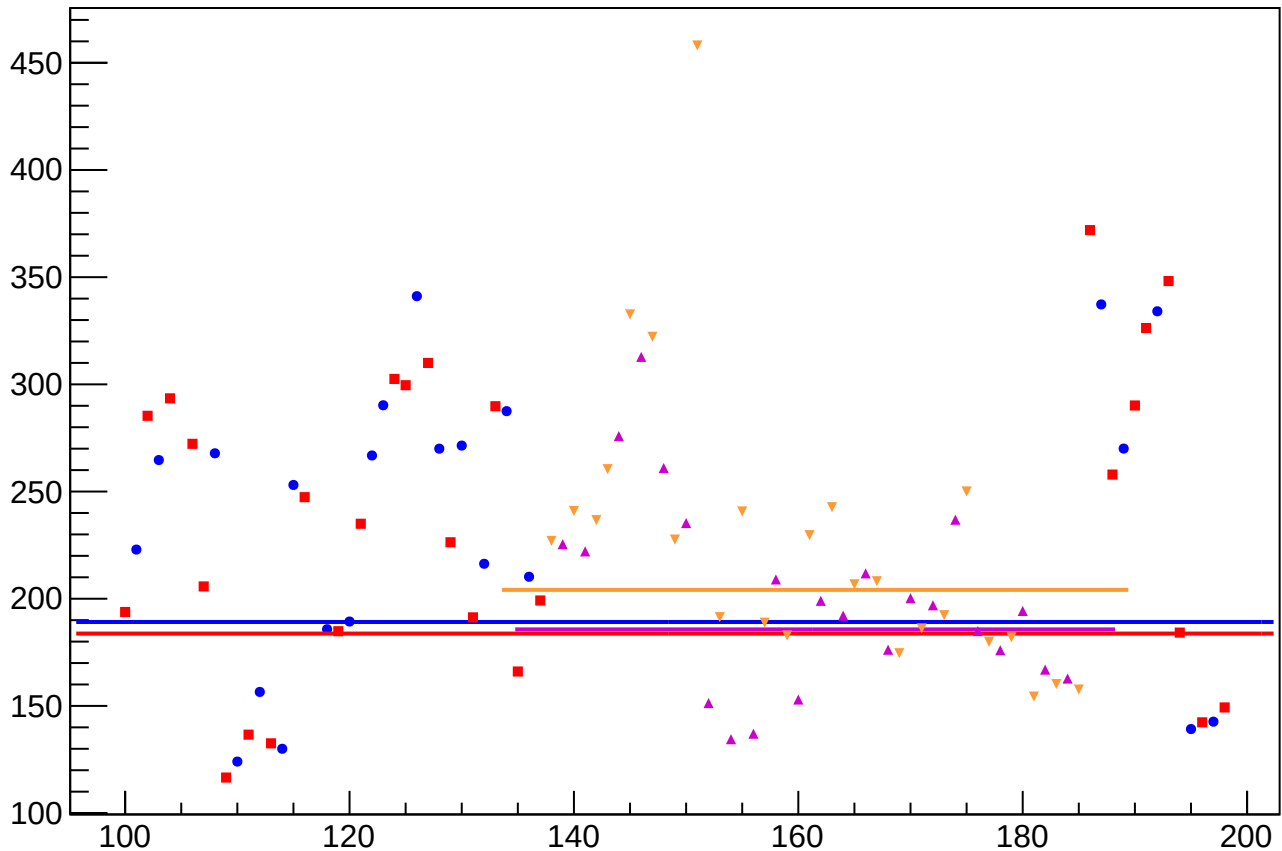
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign 1.501 ± 39.075 χ^2/NDF : 20.1/46

All: -10.858 ± 26.466 χ^2/NDF : 38.8/96

- sign -21.332 ± 35.975 χ^2/NDF : 18.4/49

asym_bcm_dg_us_rms vs Slug



Right In: 189.157 $\pm$ 0.045 χ^2 /NDF: 1783259.4/21

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 183.751 $\pm$ 0.040 χ^2 /NDF: 2444385.0/26

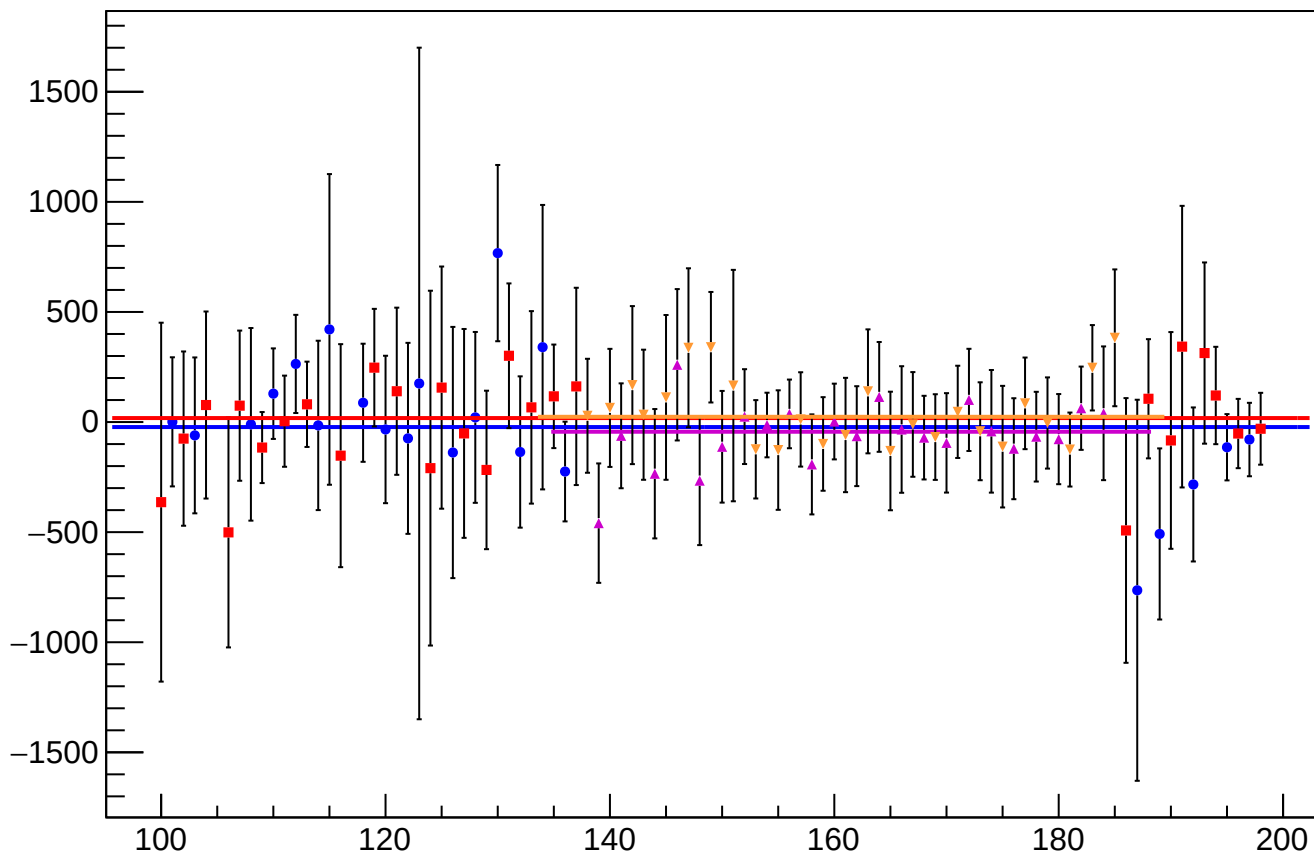
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 198.587 $\pm$ 0.028 χ^2 /NDF: 3524037.4/46

All: 191.187 $\pm$ 0.019 χ^2 /NDF: 7550103.0/96

- sign 184.915 $\pm$ 0.025 χ^2 /NDF: 3893552.1/49

asym_bcm_dg_ds_mean vs Slug



Right In: -22.732 ± 63.436 χ^2/NDF : 11.3/21

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 18.129 ± 55.830 χ^2/NDF : 6.8/26

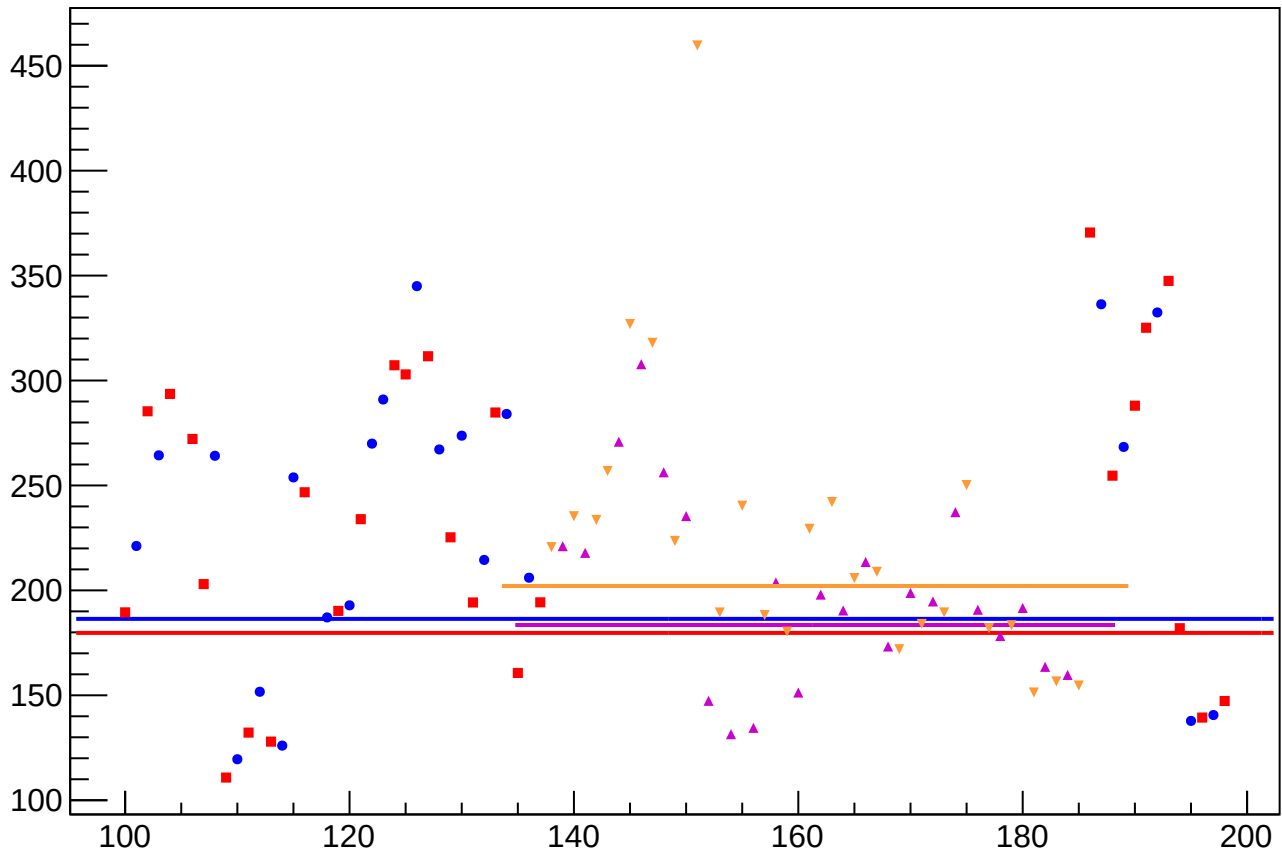
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign 6.535 ± 38.671 χ^2/NDF : 20.1/46

All: -7.258 ± 26.149 χ^2/NDF : 34.5/96

- sign -18.878 ± 35.493 χ^2/NDF : 14.1/49

asym_bcm_dg_ds_rms vs Slug



Right In: 186.420 $\pm$ 0.045 χ^2 /NDF: 1867390.1/21

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 179.733 $\pm$ 0.039 χ^2 /NDF: 2620329.4/26

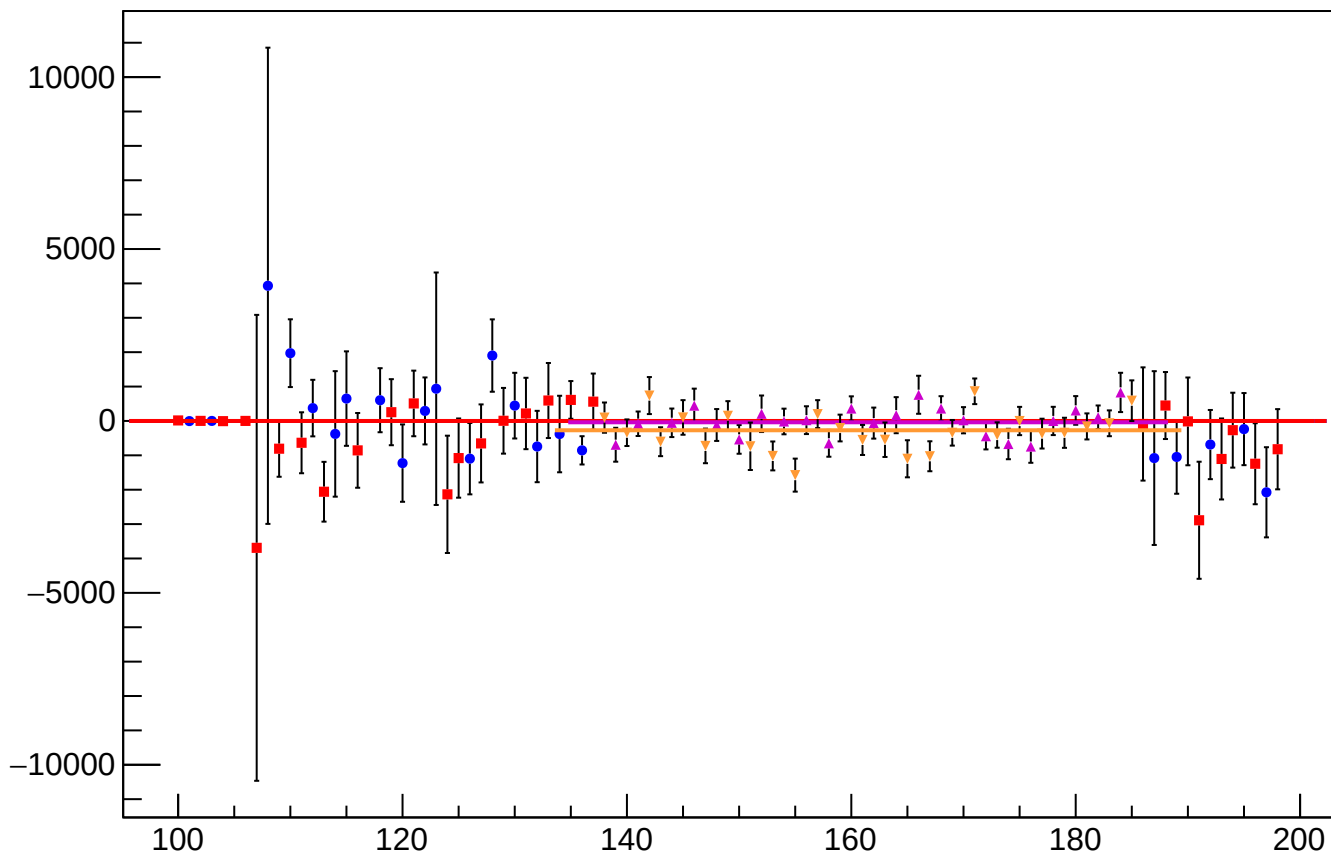
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 196.261 $\pm$ 0.027 χ^2 /NDF: 3636772.9/46

All: 188.508 $\pm$ 0.018 χ^2 /NDF: 7894022.6/96

- sign 181.977 $\pm$ 0.025 χ^2 /NDF: 4109132.0/49

asym_cav4bQ_mean vs Slug



Right In: -1.546 ± 2.251 χ^2/NDF : 21.6/21

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.740 ± 2.111 χ^2/NDF : 24.8/26

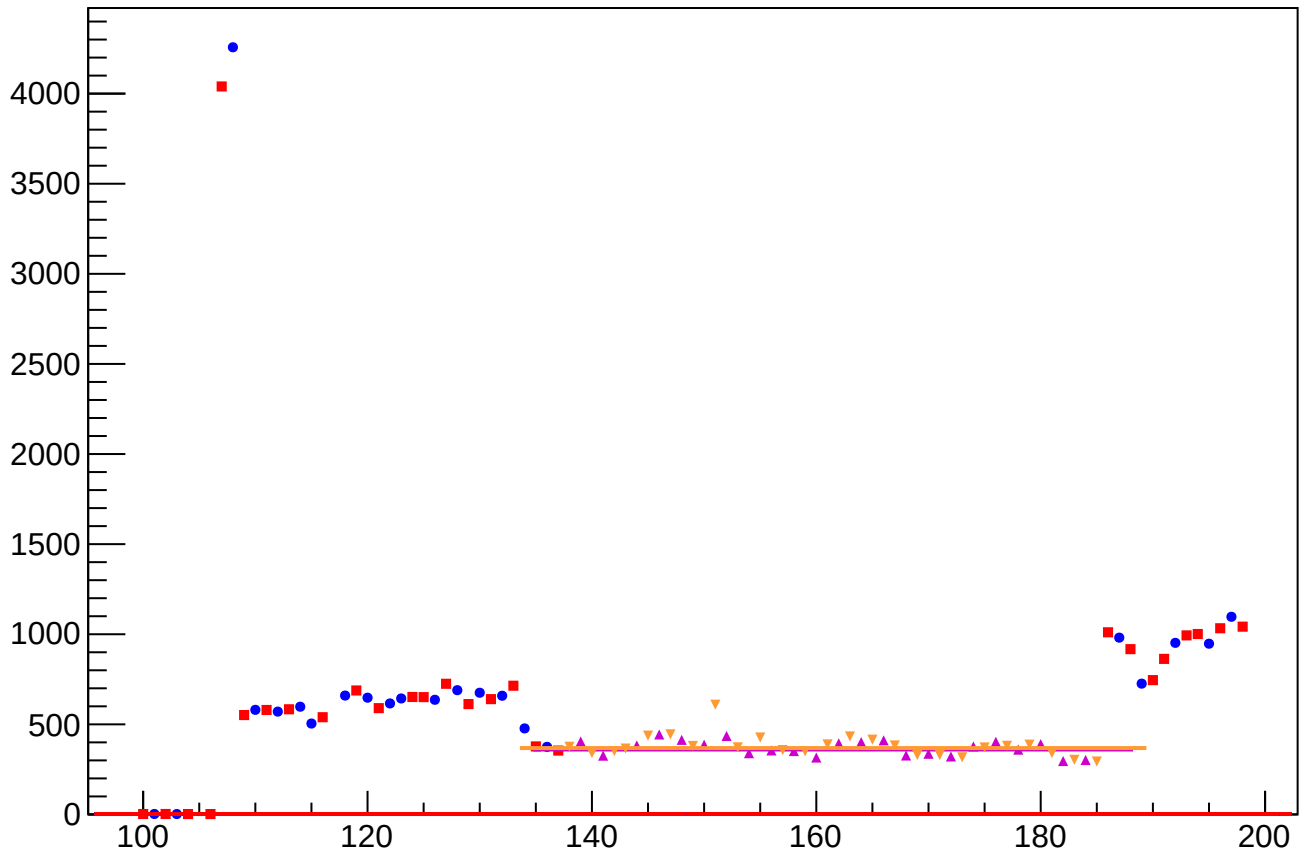
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.726 ± 2.251 χ^2/NDF : 69.3/46

All: -1.213 ± 1.540 χ^2/NDF : 114.6/96

- sign -0.762 ± 2.110 χ^2/NDF : 45.2/49

asym_cav4bQ_rms vs Slug



Right In: 2.473+/-0.002 χ^2/NDF : 16823865.9/21

Left Out: 368.397+/-0.061 χ^2/NDF : 622466.1/24

Right Out: 2.460+/-0.001 χ^2/NDF : 21022762.3/26

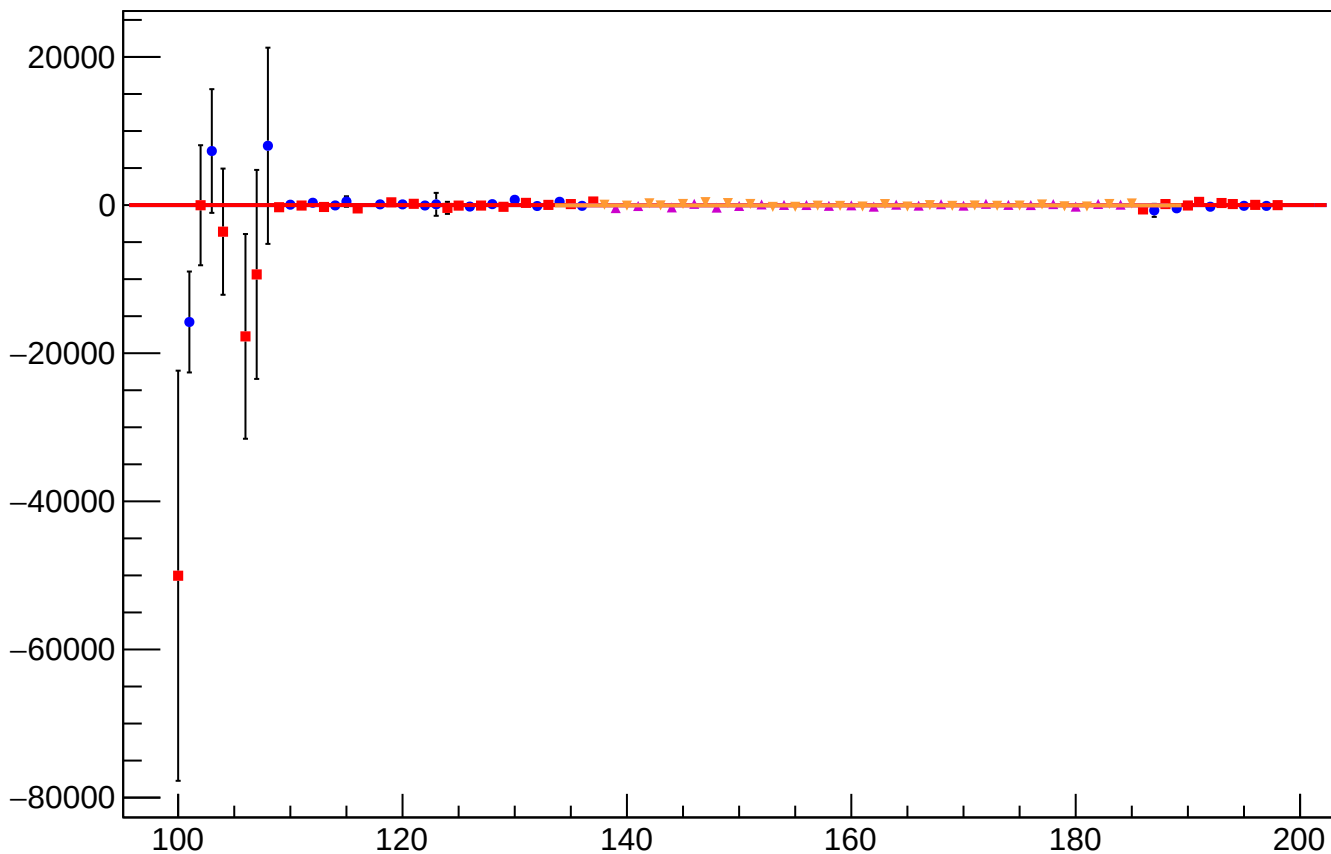
Left In: 360.408+/-0.062 χ^2/NDF : 417739.4/22

+ sign 2.718+/-0.002 χ^2/NDF : 52830533.4/46

All: 2.690+/-0.001 χ^2/NDF : 107517135.5/96

- sign 2.666+/-0.001 χ^2/NDF : 54686048.9/49

asym_cav4cQ_mean vs Slug



Right In: -0.426 ± 70.382 χ^2/NDF : 16.2/21

Left Out: -38.013 ± 49.628 χ^2/NDF : 9.3/24

Right Out: 1.313 ± 63.389 χ^2/NDF : 16.7/26

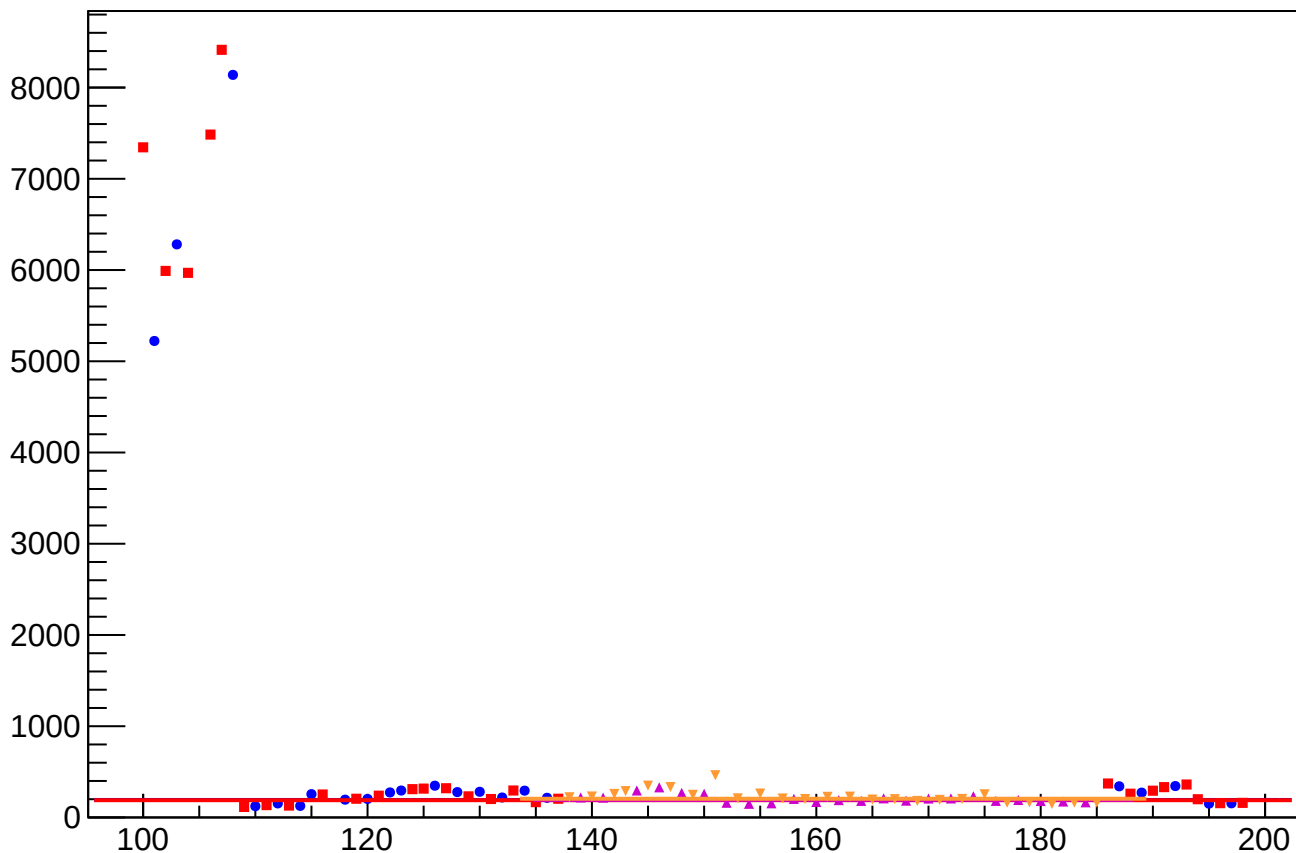
Left In: -28.205 ± 48.167 χ^2/NDF : 9.2/22

+ sign -25.531 ± 40.559 χ^2/NDF : 25.7/46

All: -21.238 ± 27.866 χ^2/NDF : 51.7/96

- sign -17.400 ± 38.351 χ^2/NDF : 26.0/49

asym_cav4cQ_rms vs Slug



Right In: 191.652 $\pm$ 0.050 χ^2 /NDF: 4398923.7/21

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 189.216 $\pm$ 0.045 χ^2 /NDF: 5288839.2/26

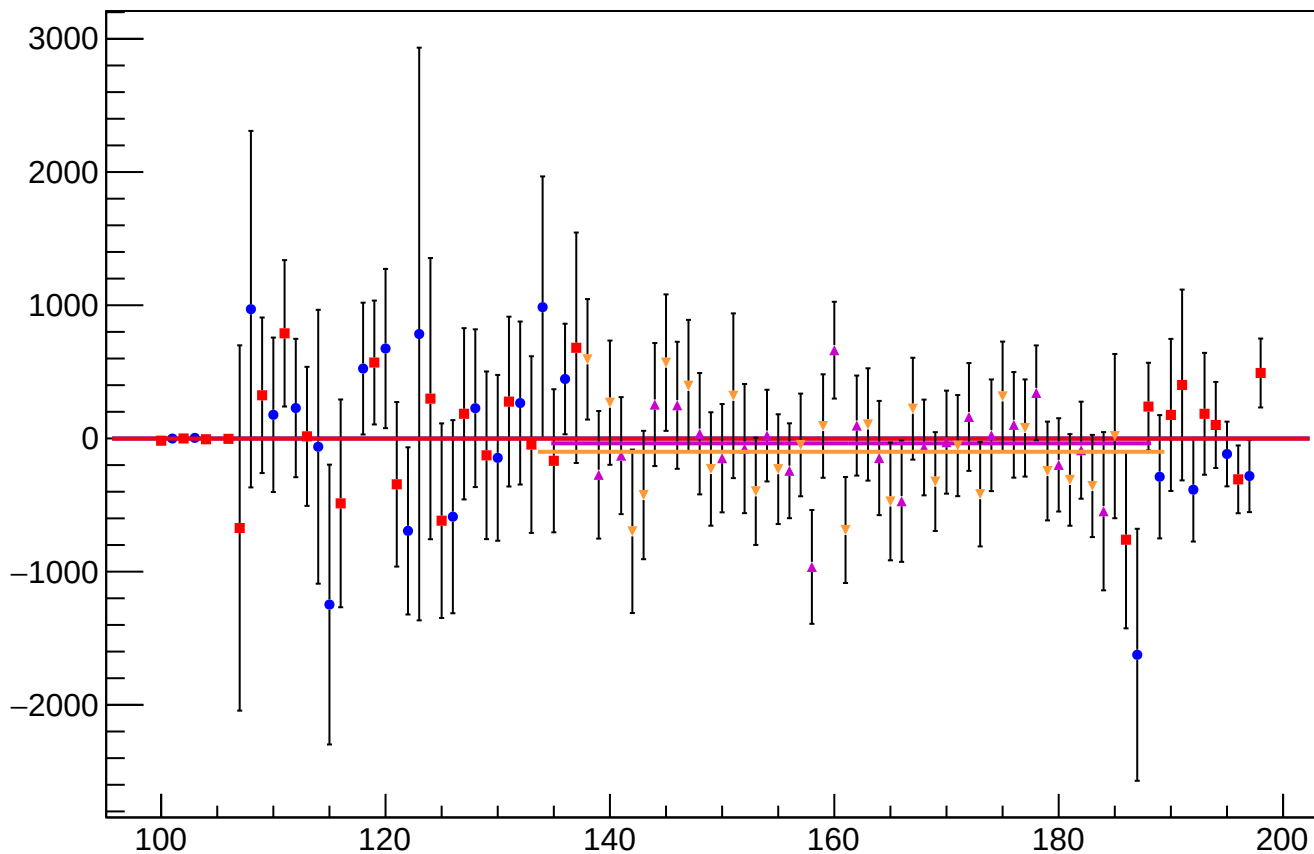
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 200.585 $\pm$ 0.029 χ^2 /NDF: 6403211.2/46

All: 195.985 $\pm$ 0.020 χ^2 /NDF: 12918495.6/96

- sign 191.871 $\pm$ 0.027 χ^2 /NDF: 6466545.9/49

asym_cav4dQ_mean vs Slug



Right In: -0.174 ± 1.736 χ^2/NDF : 15.7/21

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.306 ± 1.622 χ^2/NDF : 17.0/26

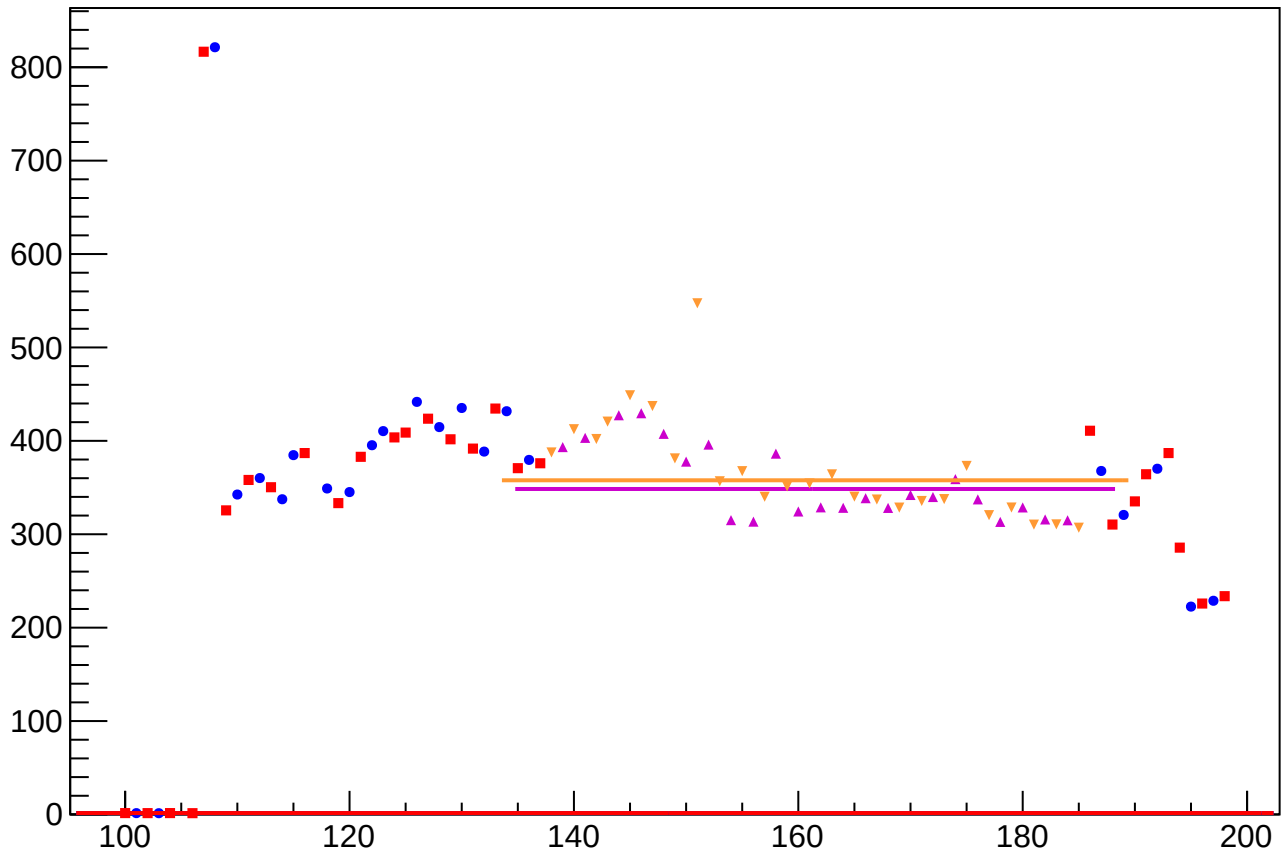
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.217 ± 1.736 χ^2/NDF : 32.8/46

All: -0.805 ± 1.185 χ^2/NDF : 63.7/96

- sign -1.319 ± 1.622 χ^2/NDF : 30.7/49

asym_cav4dQ_rms vs Slug



Right In: 1.486+/-0.001 χ^2/NDF : 17024820.9/21

Left Out: 357.771+/-0.060 χ^2/NDF : 547124.8/24

Right Out: 1.496+/-0.001 χ^2/NDF : 20689710.8/26

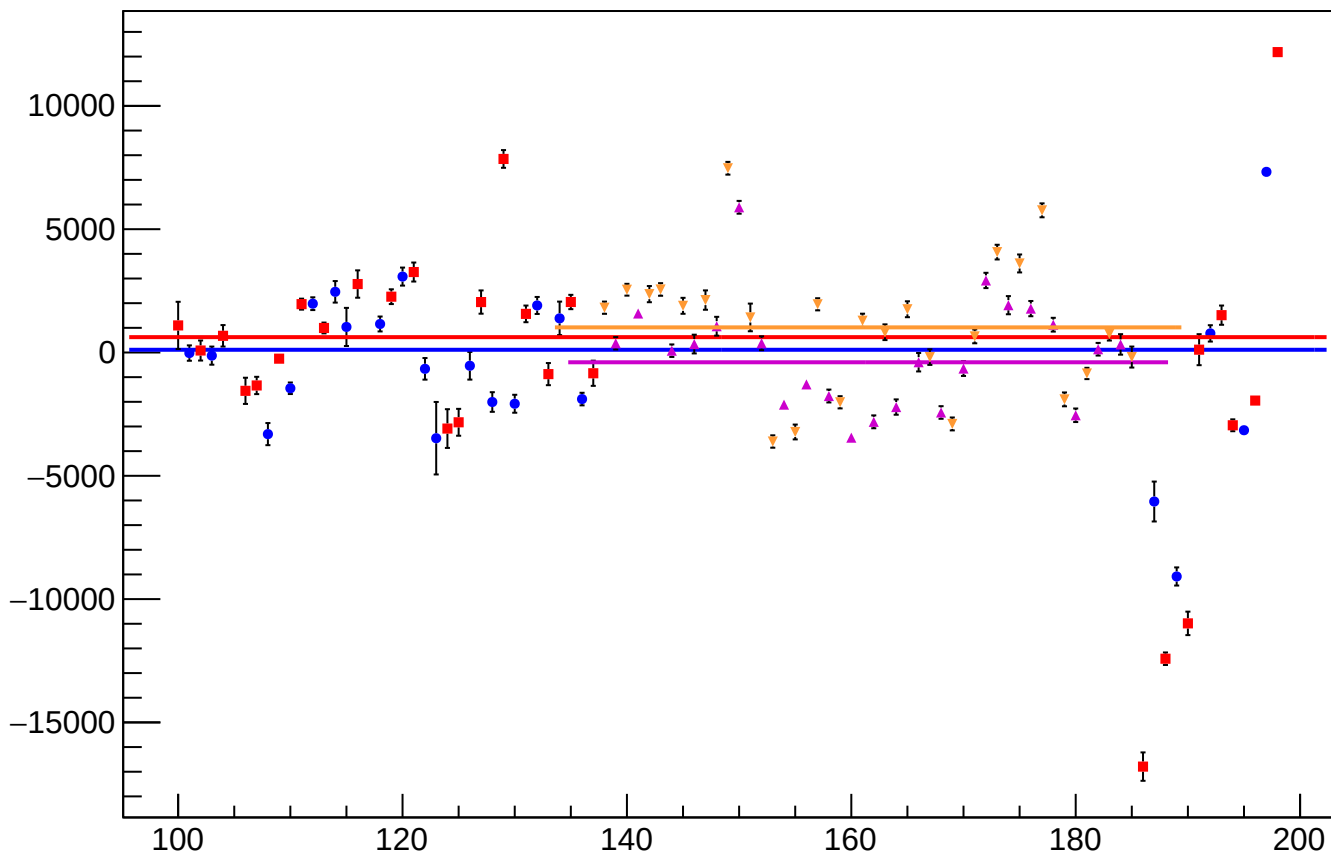
Left In: 348.464+/-0.060 χ^2/NDF : 360425.7/22

+ sign 1.638+/-0.001 χ^2/NDF : 53375106.7/46

All: 1.630+/-0.001 χ^2/NDF : 107994211.9/96

- sign 1.623+/-0.001 χ^2/NDF : 54619027.7/49

asym_bcm0l02_mean vs Slug



Right In: 110.427 $\pm$ 69.510 χ^2 /NDF: 2884.2/21

Left Out: 1018.965 $\pm$ 57.402 χ^2 /NDF: 2310.1/24

Right Out: 622.896 $\pm$ 60.523 χ^2 /NDF: 9443.1/26

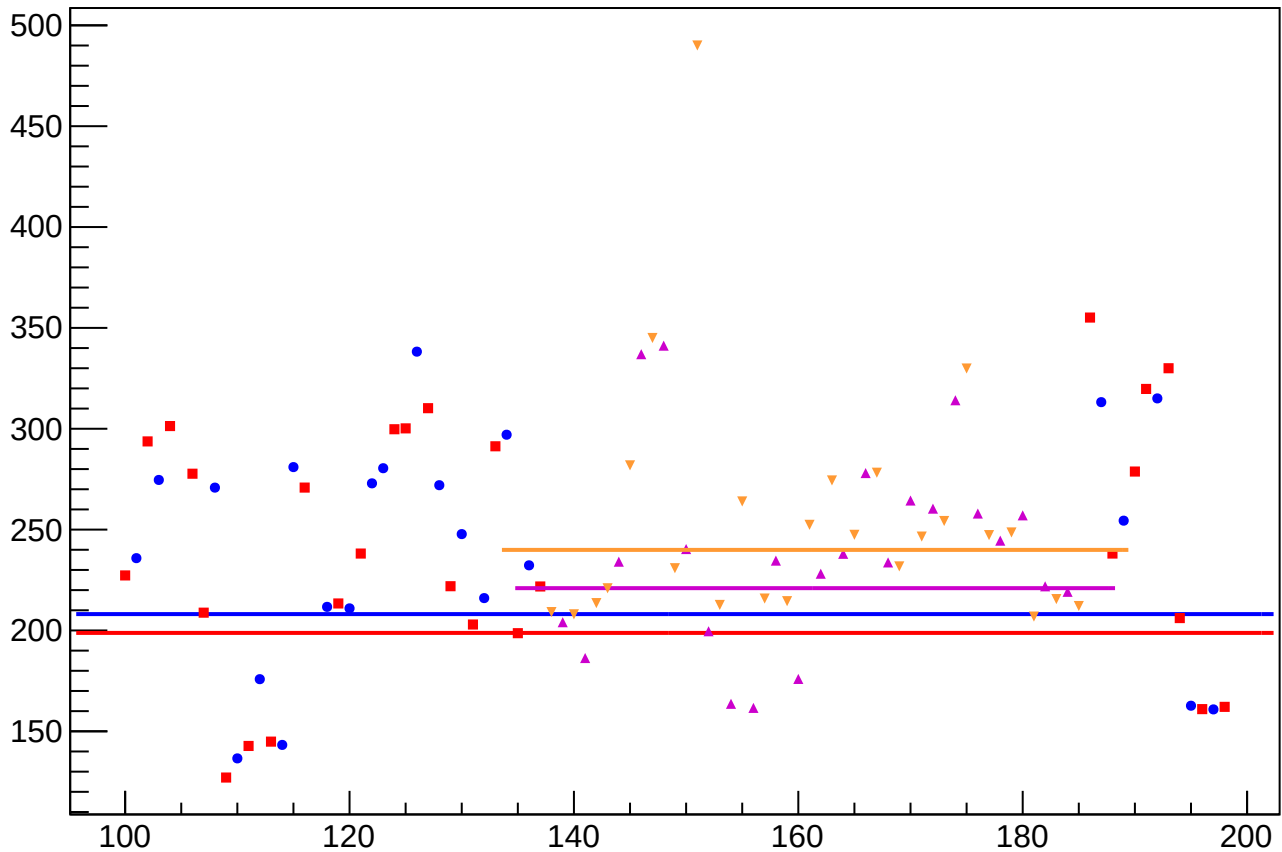
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF: 1581.0/22

+ sign 650.596 $\pm$ 44.261 χ^2 /NDF: 5295.9/46

All: 333.769 $\pm$ 29.975 χ^2 /NDF: 16569.9/96

- sign 65.342 $\pm$ 40.740 χ^2 /NDF: 11179.3/49

asym_bcm0l02_rms vs Slug



Right In: 208.110 $\pm$ 0.049 χ^2 /NDF: 1212247.2/21

Left Out: 239.942 $\pm$ 0.041 χ^2 /NDF:1000770.0/24

Right Out: 198.785 $\pm$ 0.043 χ^2 /NDF: 1914938.5/26

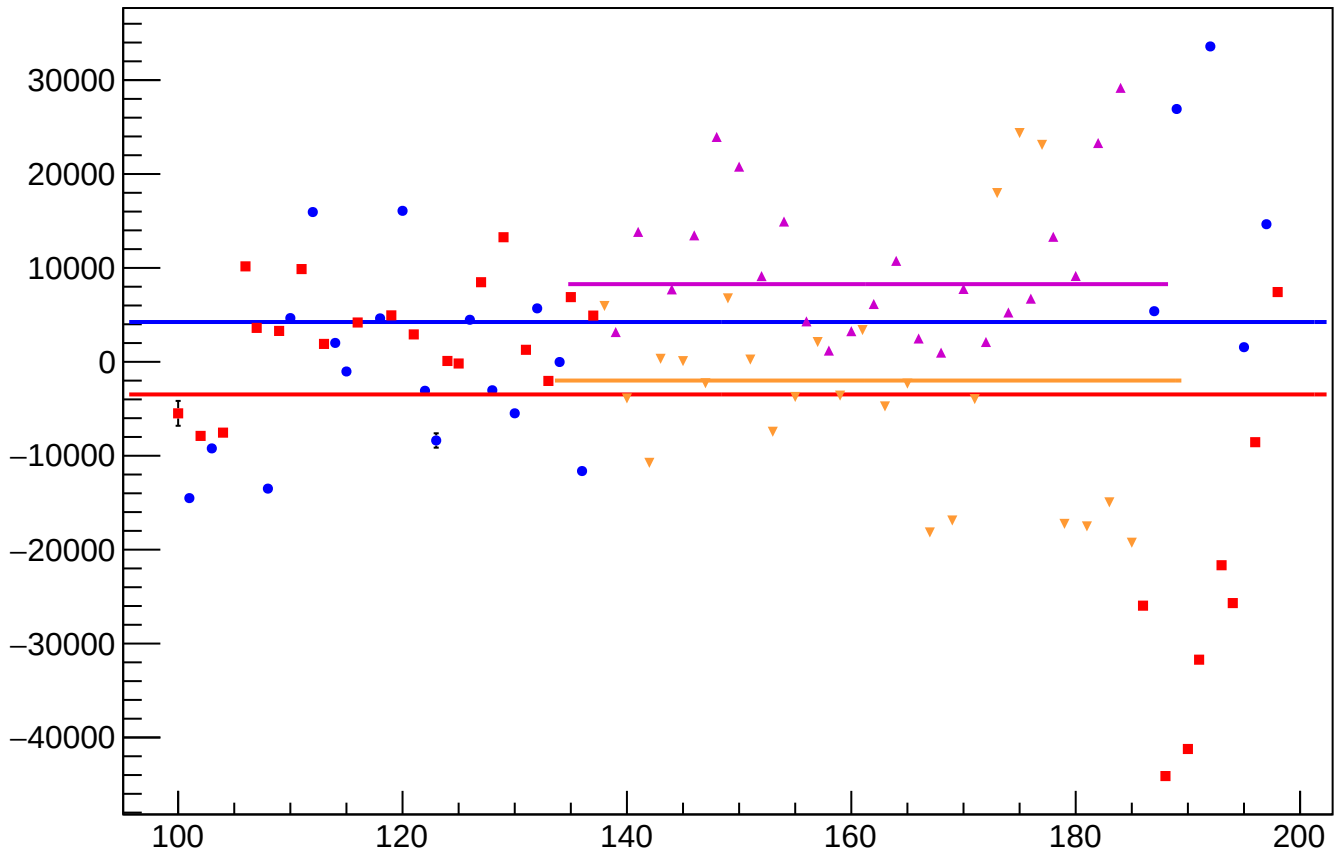
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 227.035 $\pm$ 0.031 χ^2 /NDF: 2462387.3/46

All: 218.310 $\pm$ 0.021 χ^2 /NDF: 5995555.0/96

- sign 210.918 $\pm$ 0.029 χ^2 /NDF: 3389606.9/49

asym_bpm0i02WS_mean vs Slug



Right In: 4240.789+/-48.060 χ^2/NDF : 70934.3/21

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

+ sign 737.960+/-31.806 χ^2/NDF : 144152.6/46

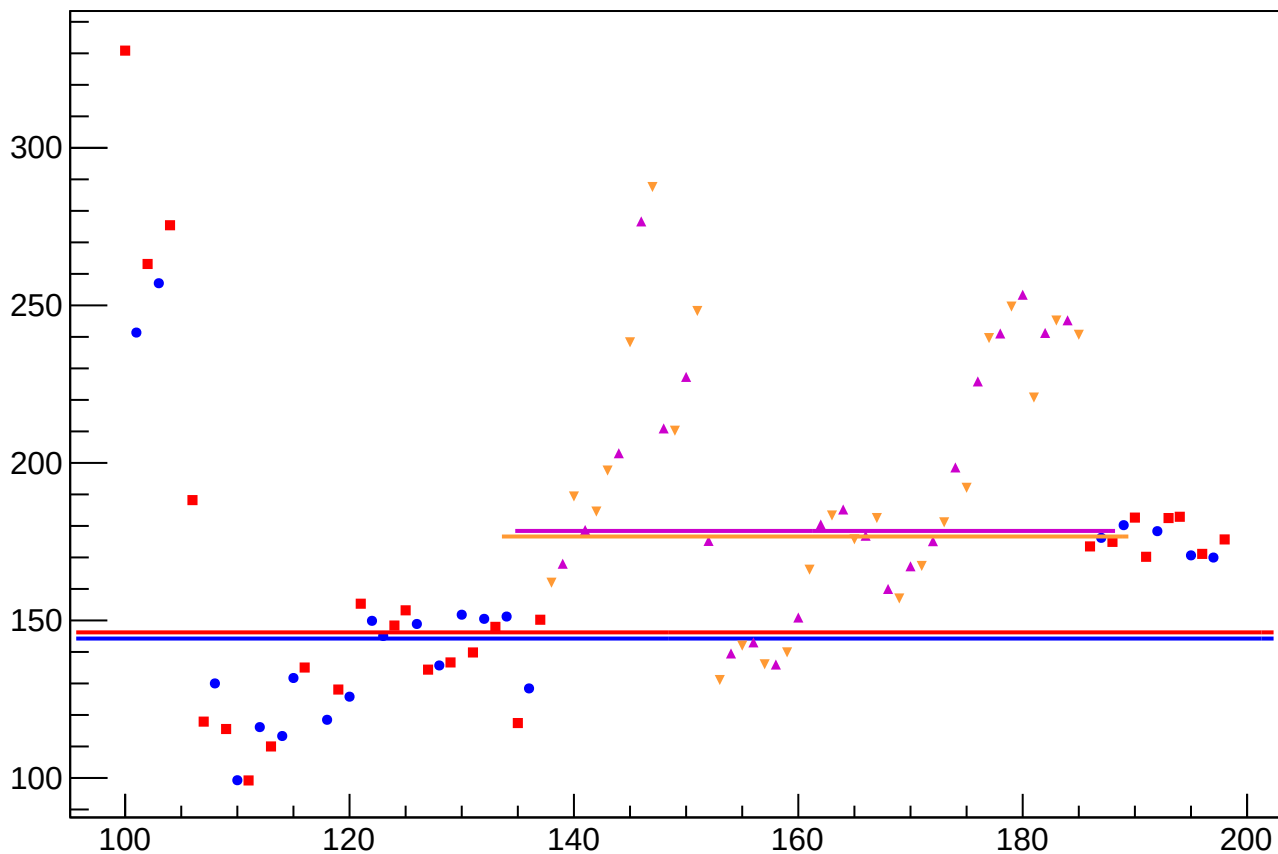
Right Out: -3471.578+/-43.661 χ^2/NDF : 130291.2/26

All: 1544.438+/-22.235 χ^2/NDF : 334225.5/96

- sign 2315.330+/-31.097 χ^2/NDF : 188815.4/49

Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

asym_bpm0i02WS_rms vs Slug



Right In: 144.251+/-0.034 χ^2/NDF : 899396.0/21

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 146.215+/-0.031 χ^2/NDF : 1270197.5/26

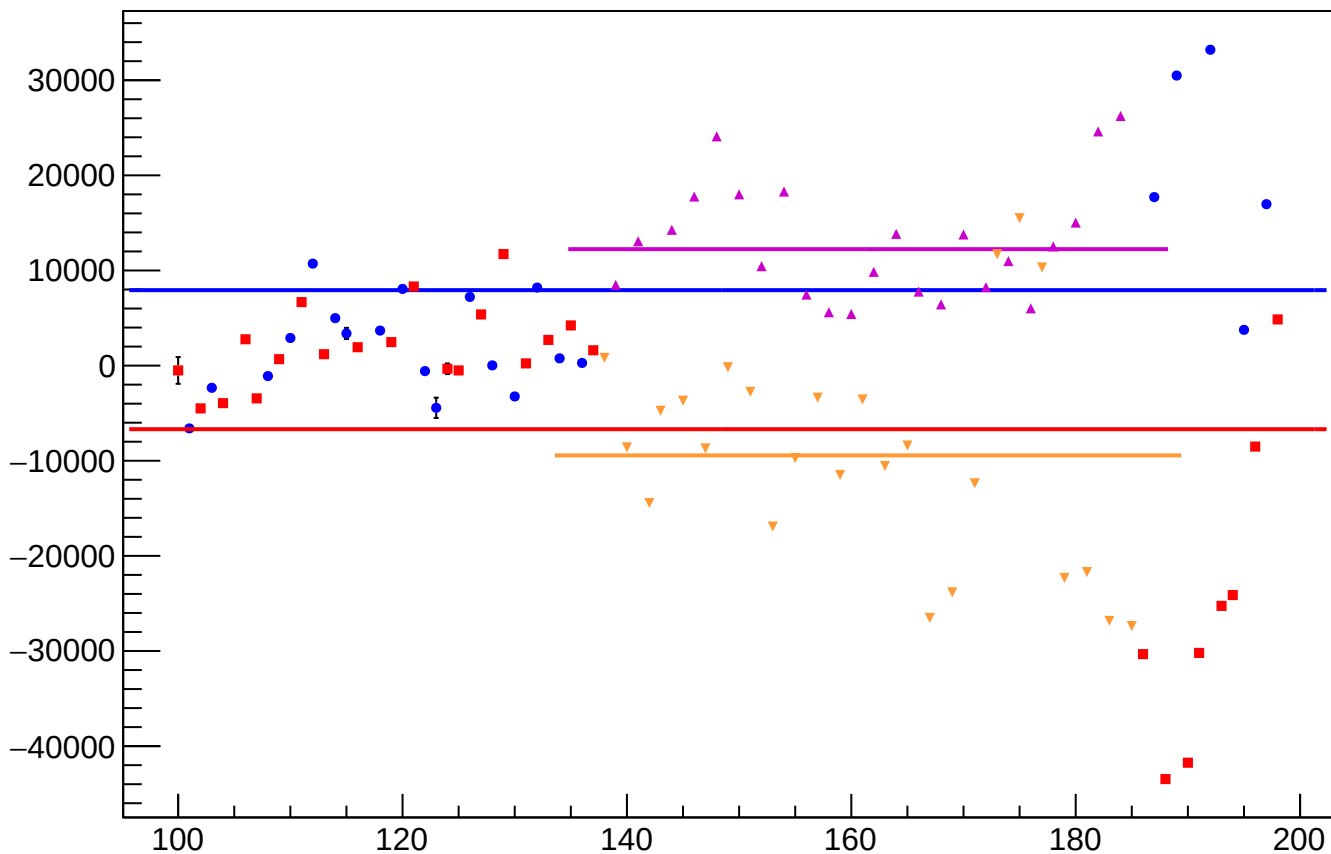
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 162.455+/-0.022 χ^2/NDF : 2960964.7/46

All: 162.263+/-0.016 χ^2/NDF : 6060976.7/96

- sign 162.080+/-0.022 χ^2/NDF : 3099869.8/49

asym_bpm0i02aWS_mean vs Slug



Right In: 7932.653+/-58.102 χ^2/NDF : 33338.7/21

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

+ sign -2828.336+/-35.840 χ^2/NDF : 150927.7/46

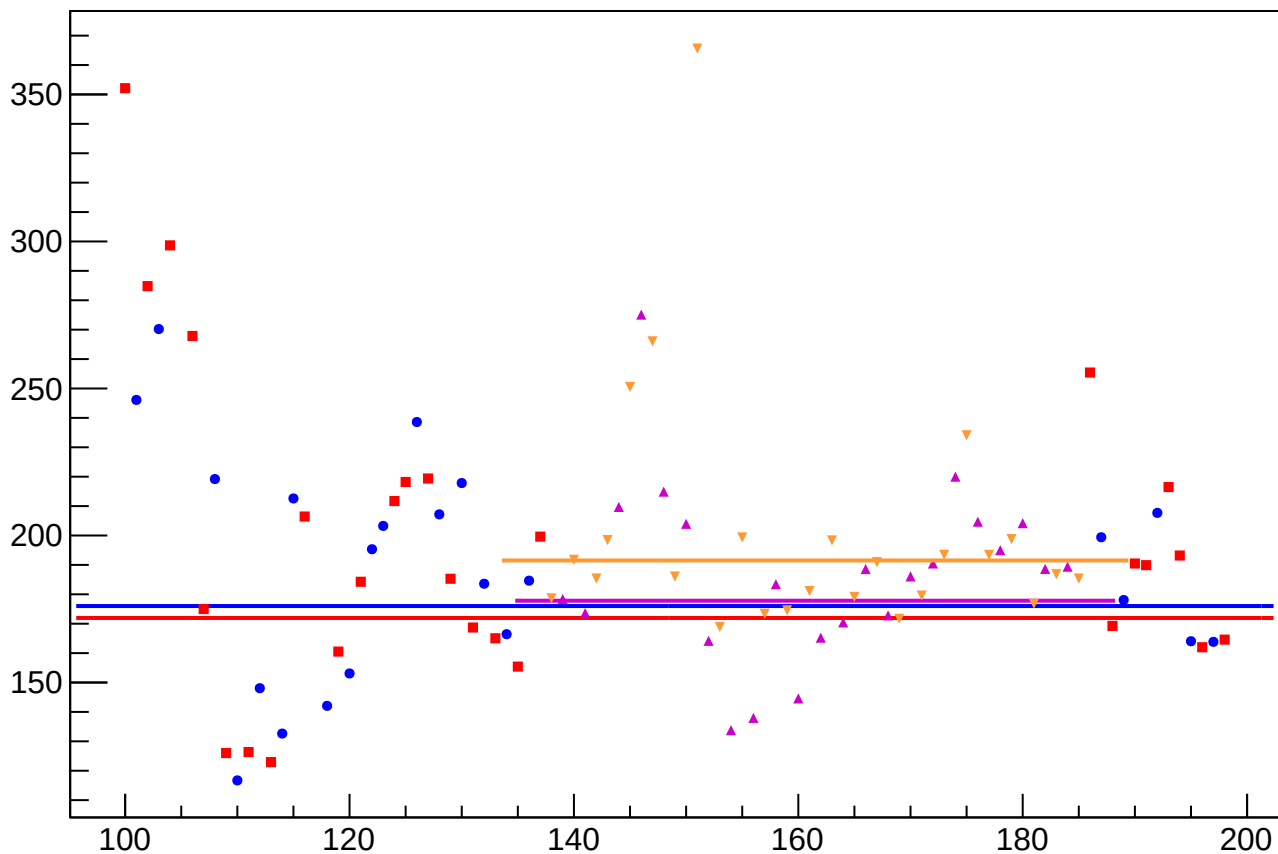
Right Out: -6682.746+/-51.116 χ^2/NDF : 100329.4/26

All: 940.930+/-24.404 χ^2/NDF : 367315.3/96

- sign 4199.416+/-33.323 χ^2/NDF : 195765.0/49

Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

asym_bpm0i02aWS_rms vs Slug



Right In: 176.010+/-0.041 χ^2/NDF : 750925.5/21

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 171.955+/-0.036 χ^2/NDF : 1123366.7/26

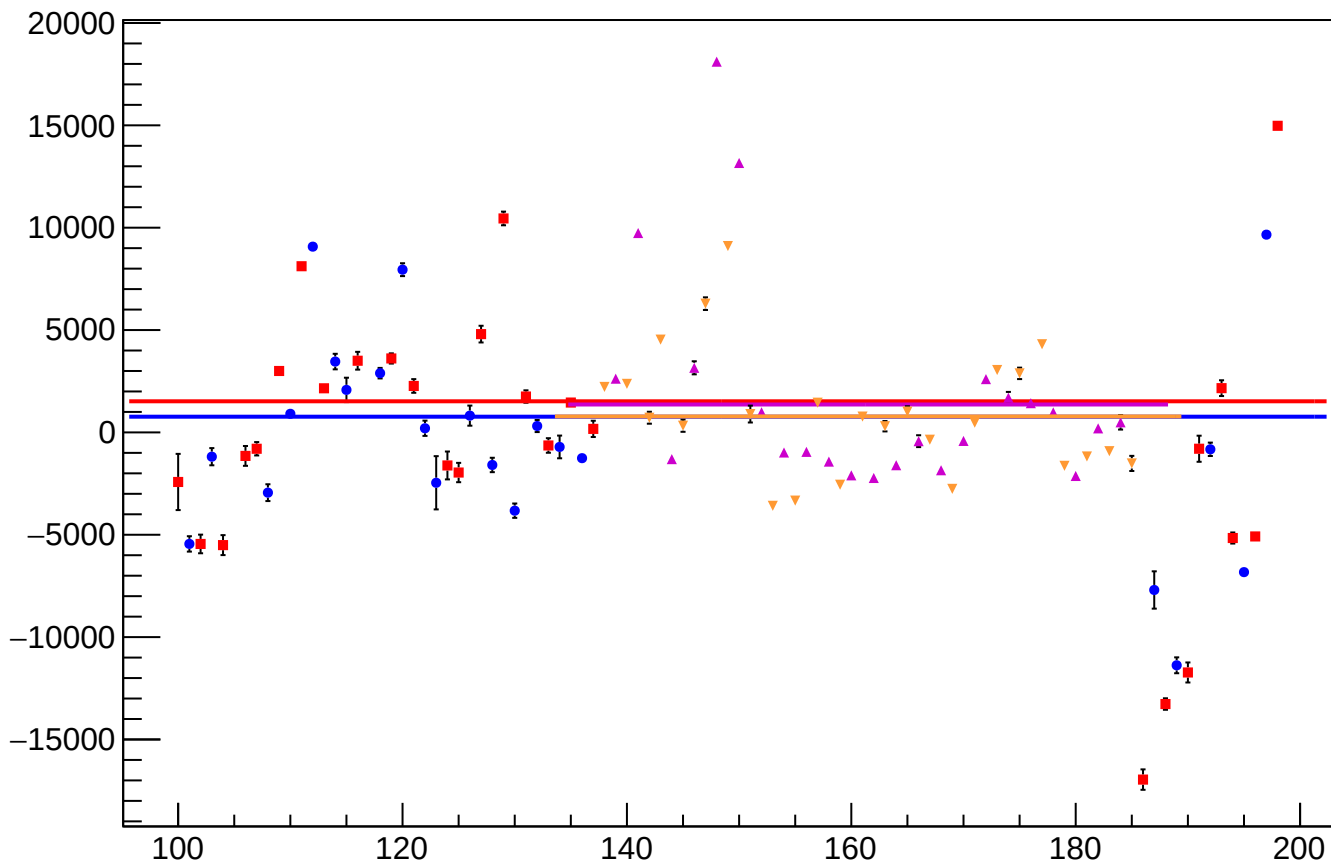
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 185.611+/-0.025 χ^2/NDF : 1566313.2/46

All: 180.096+/-0.017 χ^2/NDF : 3655612.7/96

- sign 175.328+/-0.024 χ^2/NDF : 2001008.3/49

asym_bpm0i05WS_mean vs Slug



Right In: 767.204 $\pm$ 65.545 χ^2 /NDF: 7071.7/21

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF: 4260.8/24

Right Out: 1519.582 $\pm$ 57.980 χ^2 /NDF: 13834.7/26

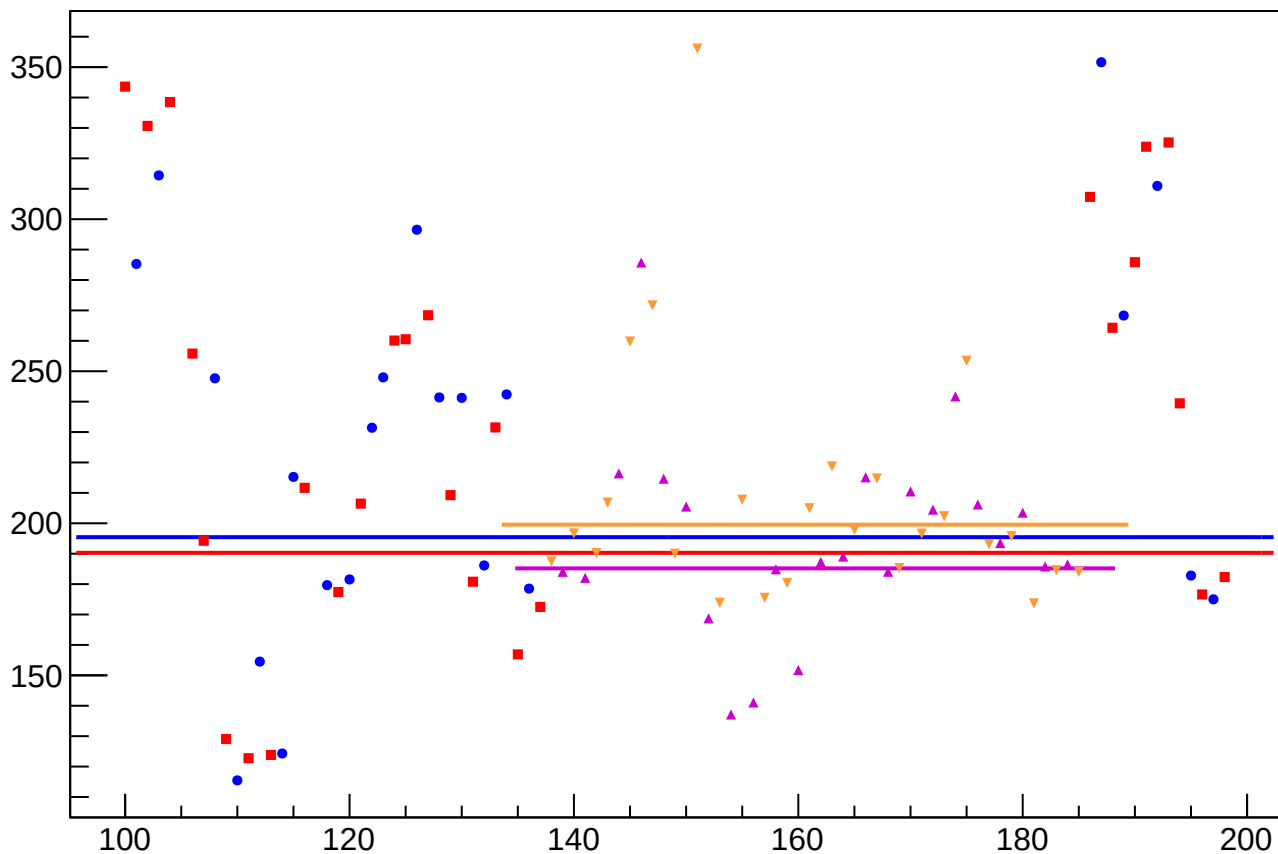
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF: 11632.9/22

+ sign 775.588 $\pm$ 38.439 χ^2 /NDF: 11332.5/46

All: 1121.106 $\pm$ 26.254 χ^2 /NDF: 36956.1/96

- sign 1423.200 $\pm$ 35.943 χ^2 /NDF: 25472.1/49

asym_bpm0i05WS_rms vs Slug



Right In: 195.435 $\pm$ 0.046 χ^2 /NDF: 1394457.9/21

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 190.288 $\pm$ 0.041 χ^2 /NDF: 2127451.8/26

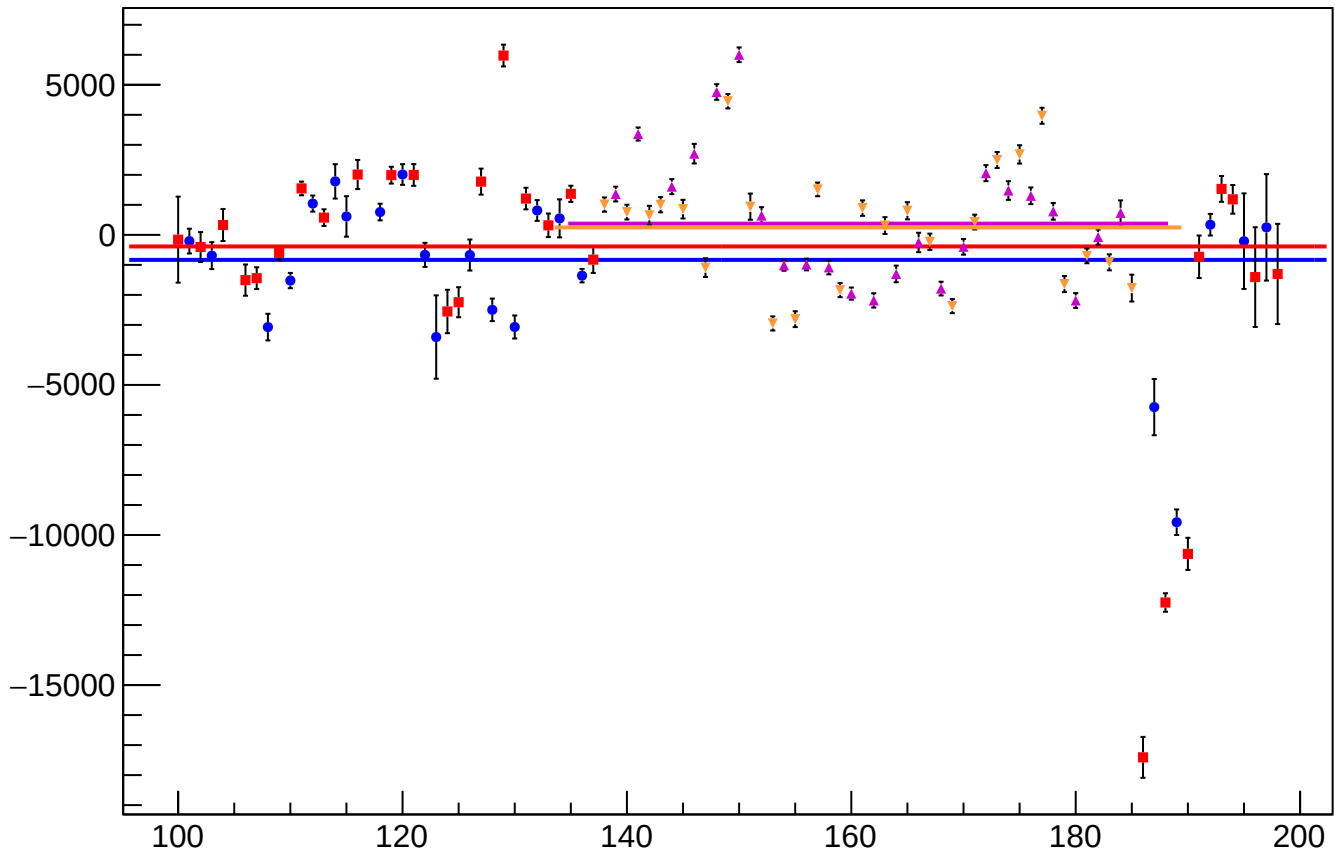
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 198.133 $\pm$ 0.027 χ^2 /NDF: 2128978.1/46

All: 192.266 $\pm$ 0.019 χ^2 /NDF: 5236082.7/96

- sign 187.137 $\pm$ 0.025 χ^2 /NDF: 3019796.2/49

asym_bpm0i07WS_mean vs Slug



Right In: -832.754+/-83.944 χ^2/NDF : 760.0/21

Left Out: 247.844+/-53.555 χ^2/NDF :1355.1/24

Right Out: -385.536+/-75.263 χ^2/NDF : 3162.5/26

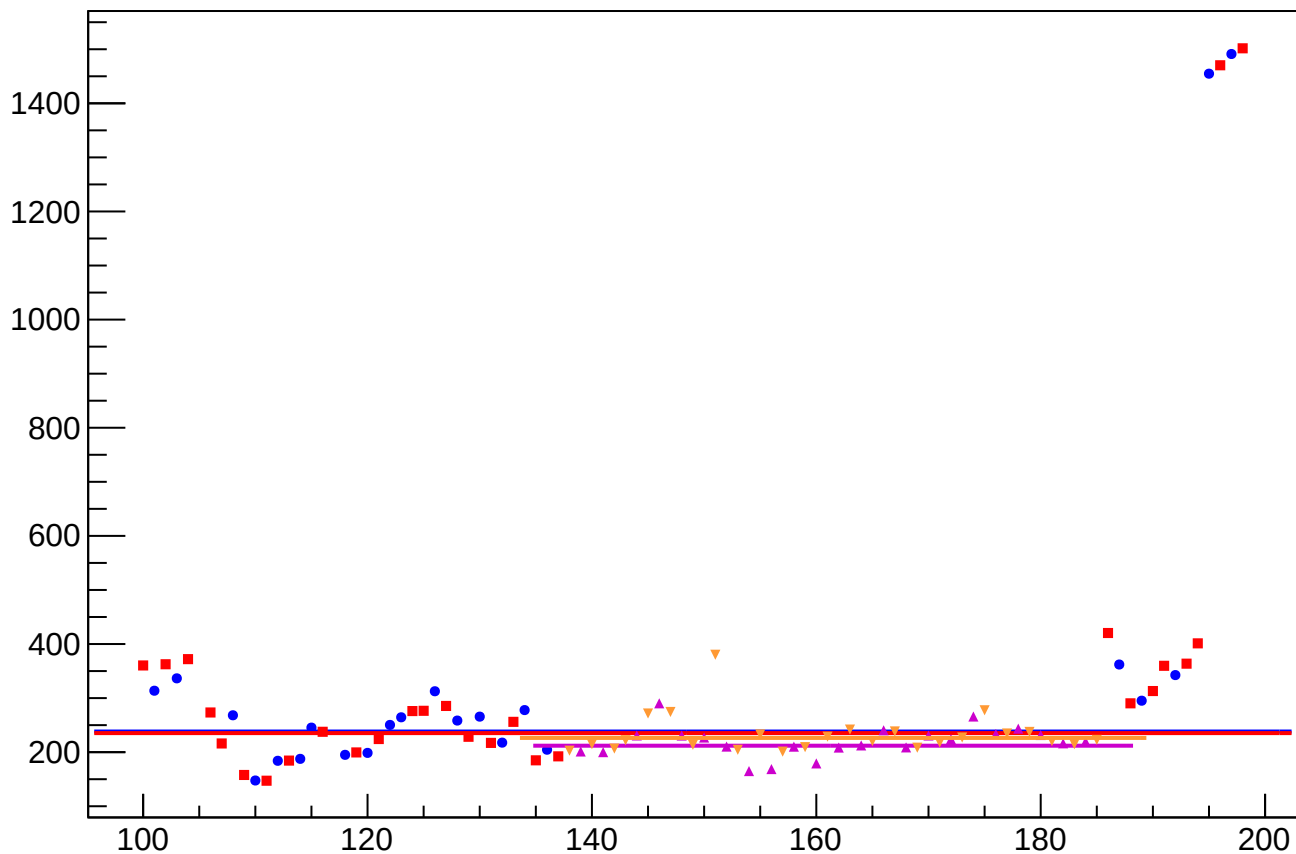
Left In: 374.122+/-52.049 χ^2/NDF :1801.0/22

+ sign -64.750+/-45.149 χ^2/NDF : 2232.8/46

All: 36.934+/-31.065 χ^2/NDF : 7274.9/96

- sign 128.351+/-42.809 χ^2/NDF : 5032.4/49

asym_bpm0i07WS_rms vs Slug



Right In: 238.192 $\pm$ 0.059 χ^2 /NDF: 3123082.0/21

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 235.260 $\pm$ 0.053 χ^2 /NDF: 4067046.2/26

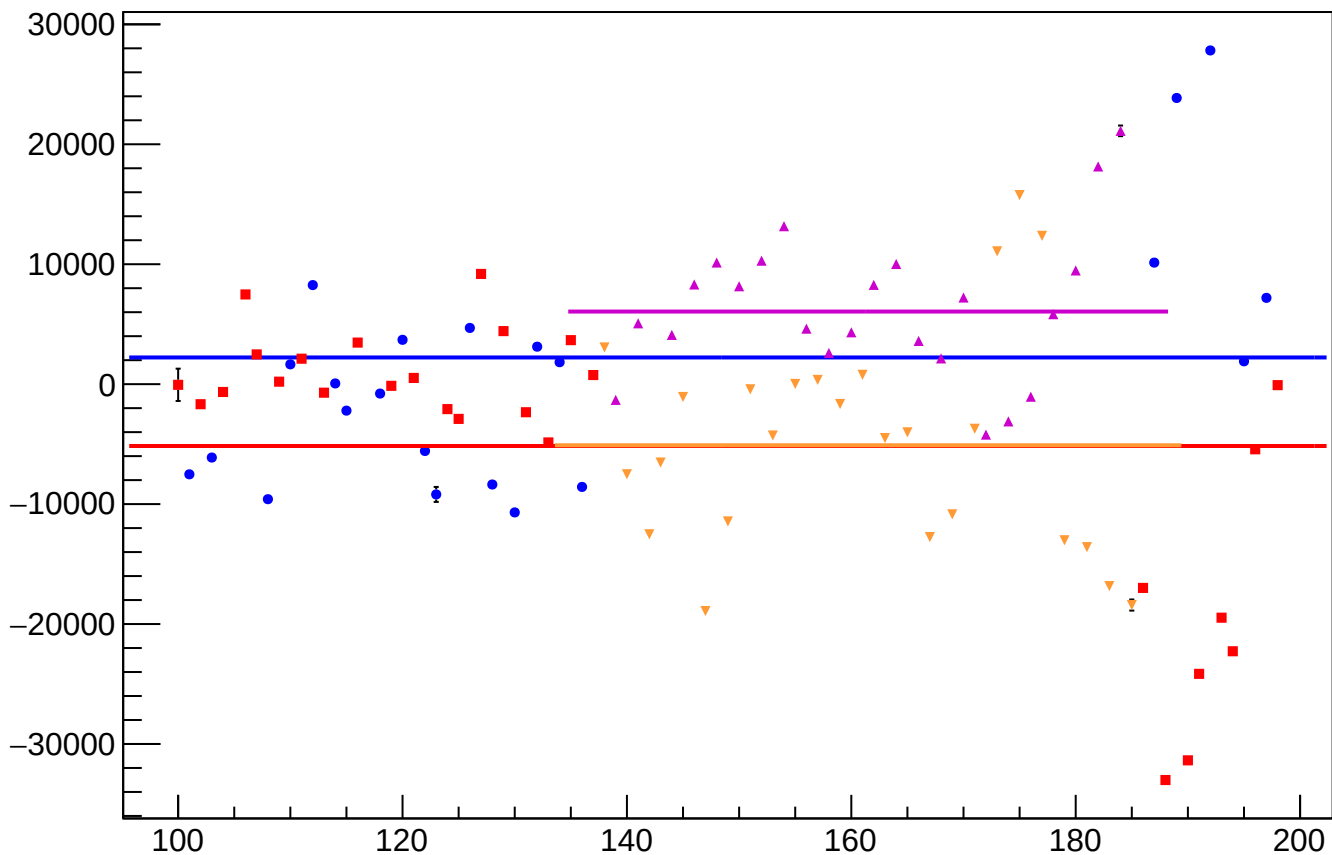
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 229.756 $\pm$ 0.032 χ^2 /NDF: 3672545.8/46

All: 224.358 $\pm$ 0.022 χ^2 /NDF: 8507777.3/96

- sign 219.505 $\pm$ 0.030 χ^2 /NDF: 4780946.7/49

asym_bpm1i02WS_mean vs Slug



Right In: 2226.329+/-40.889 χ^2/NDF : 67216.7/21

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5155.853+/-36.799 χ^2/NDF : 100652.6/26

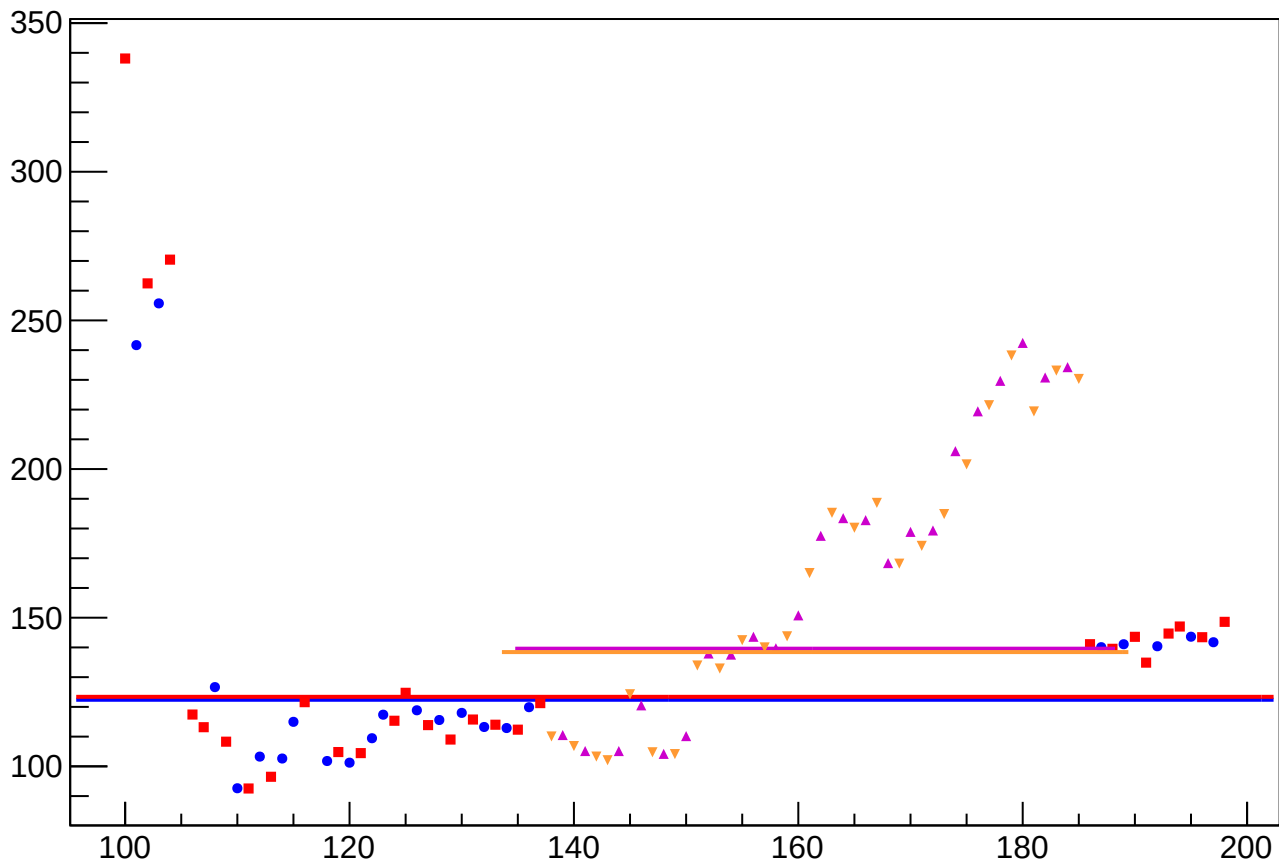
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -2133.339+/-26.007 χ^2/NDF : 140703.5/46

All: -665.683+/-18.157 χ^2/NDF : 313879.7/96

- sign 729.819+/-25.360 χ^2/NDF : 166963.5/49

asym_bpm1i02WS_rms vs Slug



Right In: 122.395+/-0.029 χ^2/NDF : 896815.7/21

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 123.385+/-0.026 χ^2/NDF : 1099476.3/26

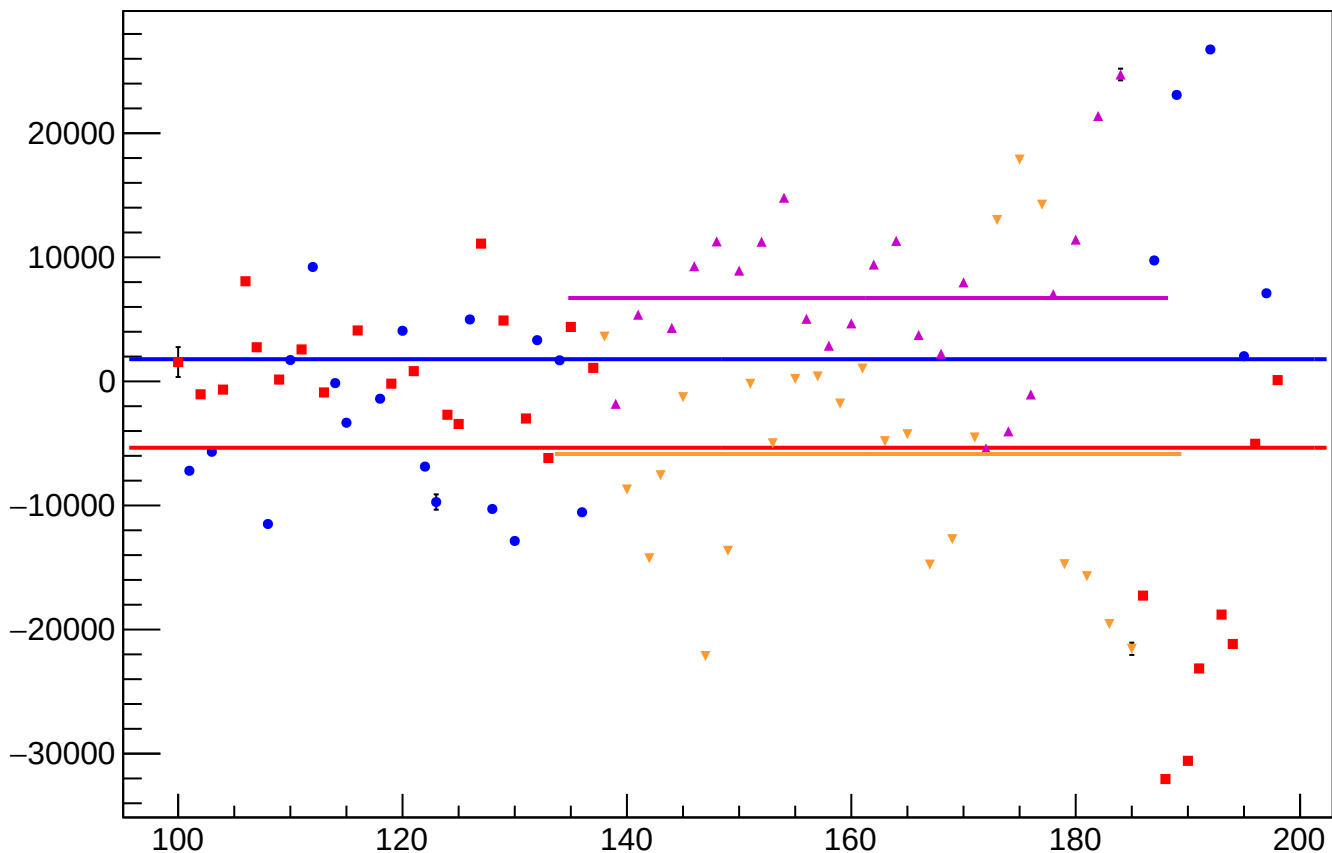
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 131.946+/-0.018 χ^2/NDF : 3629520.6/46

All: 131.916+/-0.013 χ^2/NDF : 7346002.6/96

- sign 131.887+/-0.018 χ^2/NDF : 3716476.7/49

asym_bpm2i01WS_mean vs Slug



Right In: 1787.948 $\pm$ 41.346 χ^2 /NDF: 72353.3/21

Left Out: -5852.544 $\pm$ 35.880 χ^2 /NDF:63411.4/24

Right Out: -5347.935 $\pm$ 37.263 χ^2 /NDF: 101102.3/26

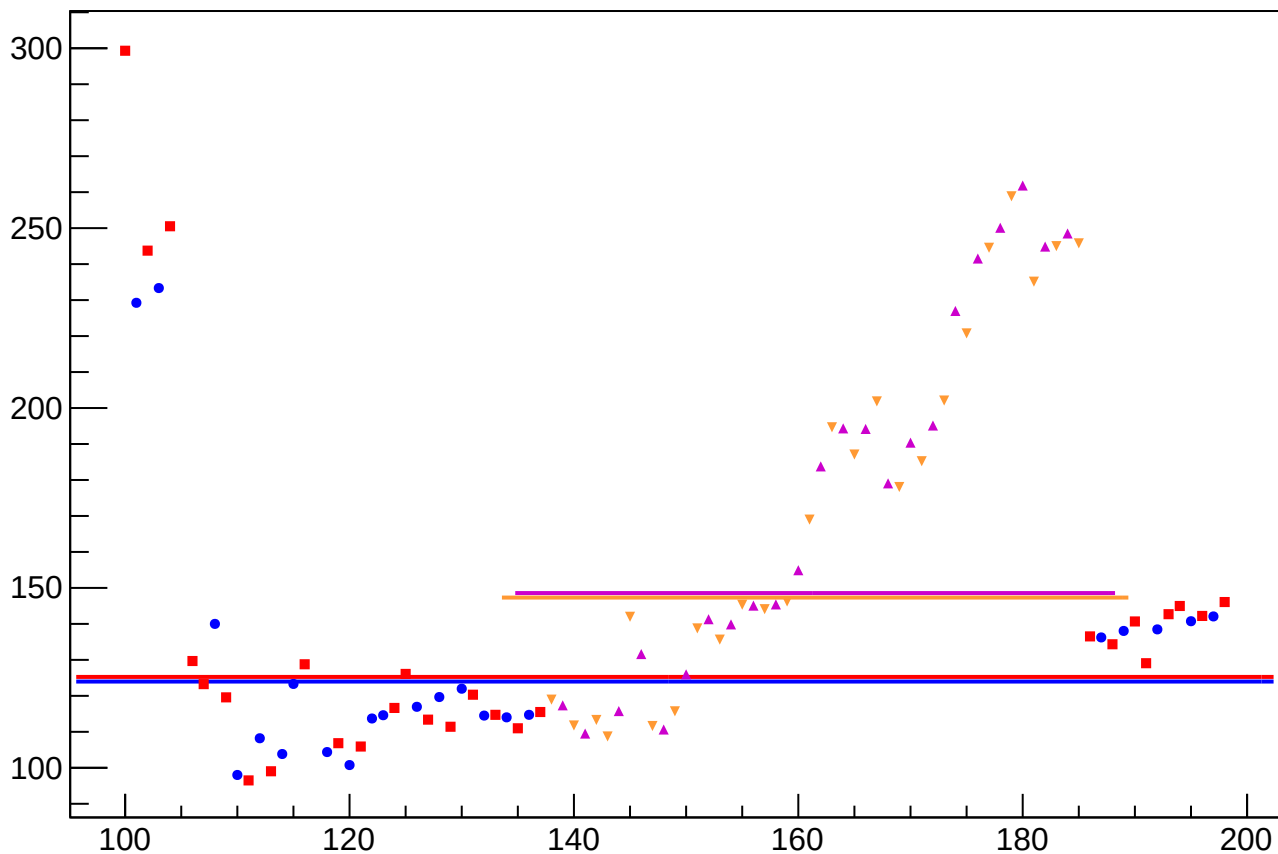
Left In: 6718.475 $\pm$ 37.276 χ^2 /NDF:20934.3/22

+ sign -2570.441 $\pm$ 27.099 χ^2 /NDF: 155244.1/46

All: -898.225 $\pm$ 18.893 χ^2 /NDF: 337100.8/96

- sign 683.248 $\pm$ 26.353 χ^2 /NDF: 174447.6/49

asym_bpm2i01WS_rms vs Slug



Right In: 123.976+/-0.029 χ^2/NDF : 743847.3/21

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 125.261+/-0.026 χ^2/NDF : 883999.2/26

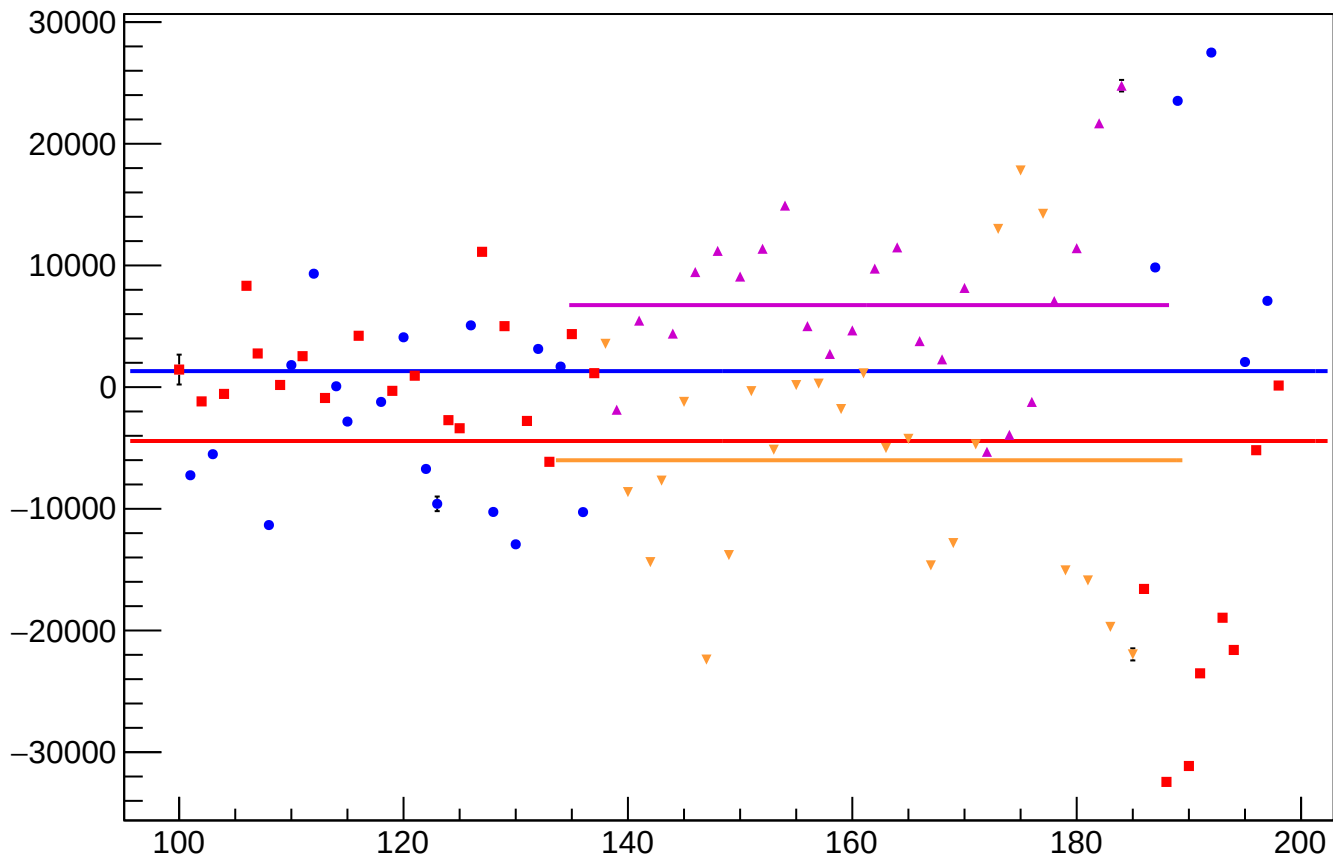
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 137.290+/-0.019 χ^2/NDF : 3619122.8/46

All: 137.095+/-0.013 χ^2/NDF : 7287597.2/96

- sign 136.911+/-0.019 χ^2/NDF : 3668272.9/49

asym_bpm2i02WS_mean vs Slug



Right In: 1316.465+/-40.484 χ^2/NDF : 71130.5/21

Left Out: -6009.913+/-35.082 χ^2/NDF : 67852.2/24

Right Out: -4427.035+/-36.808 χ^2/NDF : 95764.9/26

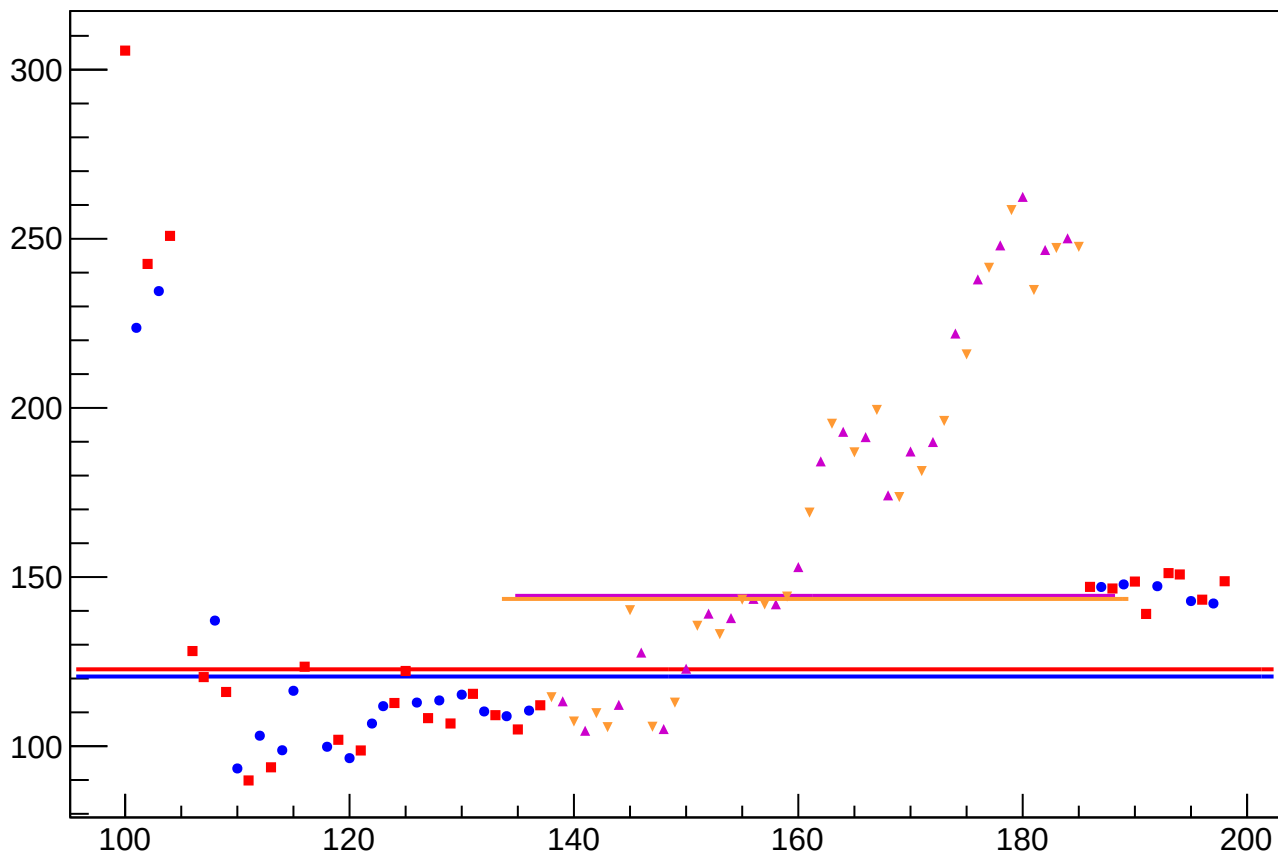
Left In: 6740.666+/-36.379 χ^2/NDF : 22071.8/22

+ sign -2867.743+/-26.512 χ^2/NDF : 157687.1/46

All: -772.941+/-18.517 χ^2/NDF : 334278.6/96

- sign 1222.232+/-25.874 χ^2/NDF : 164402.7/49

asym_bpm2i02WS_rms vs Slug



Right In: 120.595+/-0.029 χ^2/NDF : 909166.6/21

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 122.724+/-0.026 χ^2/NDF : 1180747.8/26

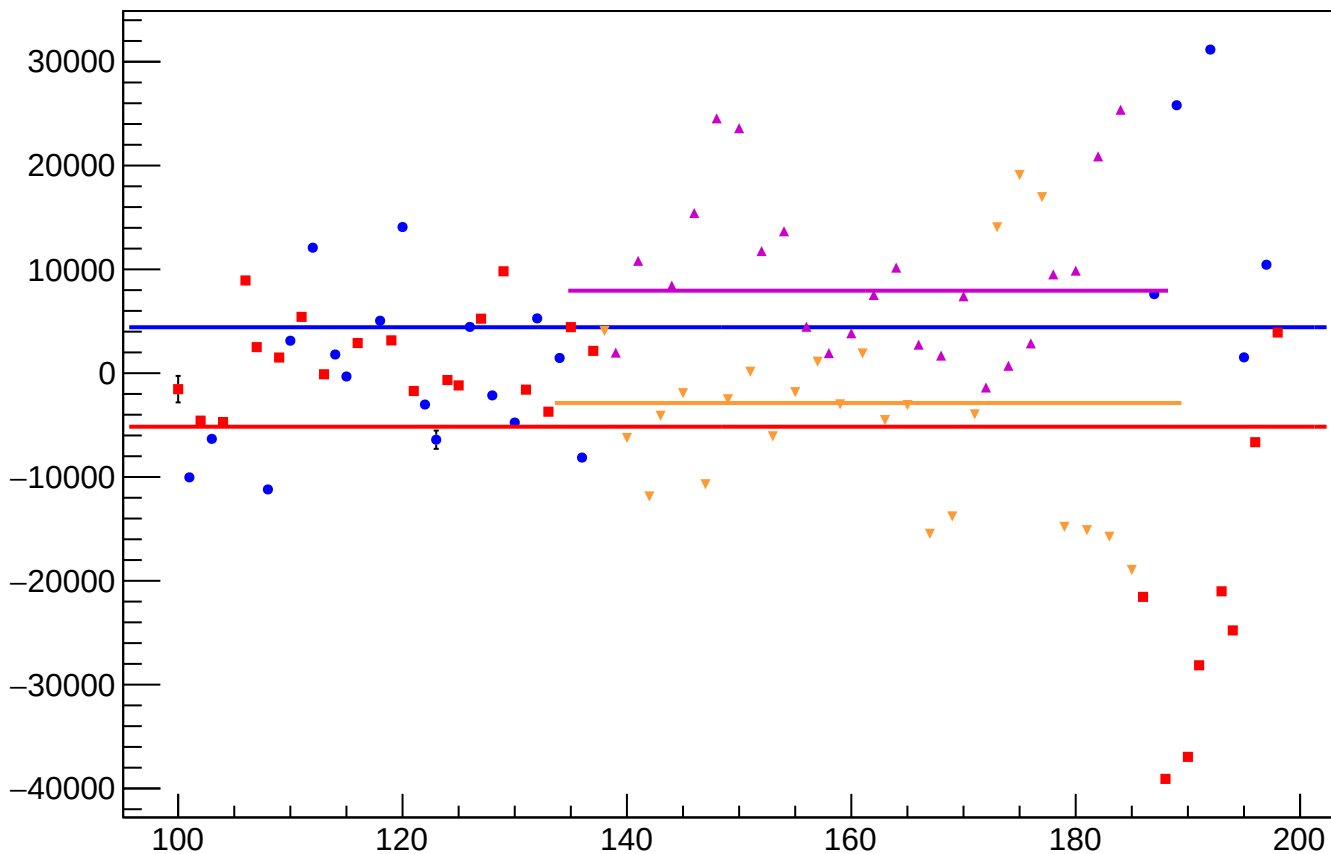
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 133.694+/-0.019 χ^2/NDF : 3980575.5/46

All: 133.702+/-0.013 χ^2/NDF : 8100393.5/96

- sign 133.709+/-0.018 χ^2/NDF : 4119817.7/49

asym_bpm0i01WS_mean vs Slug



Right In: 4425.301+/-48.956 χ^2/NDF : 52490.4/21

Left Out: -2870.473+/-39.482 χ^2/NDF : 46420.3/24

Right Out: -5155.266+/-44.498 χ^2/NDF : 94406.3/26

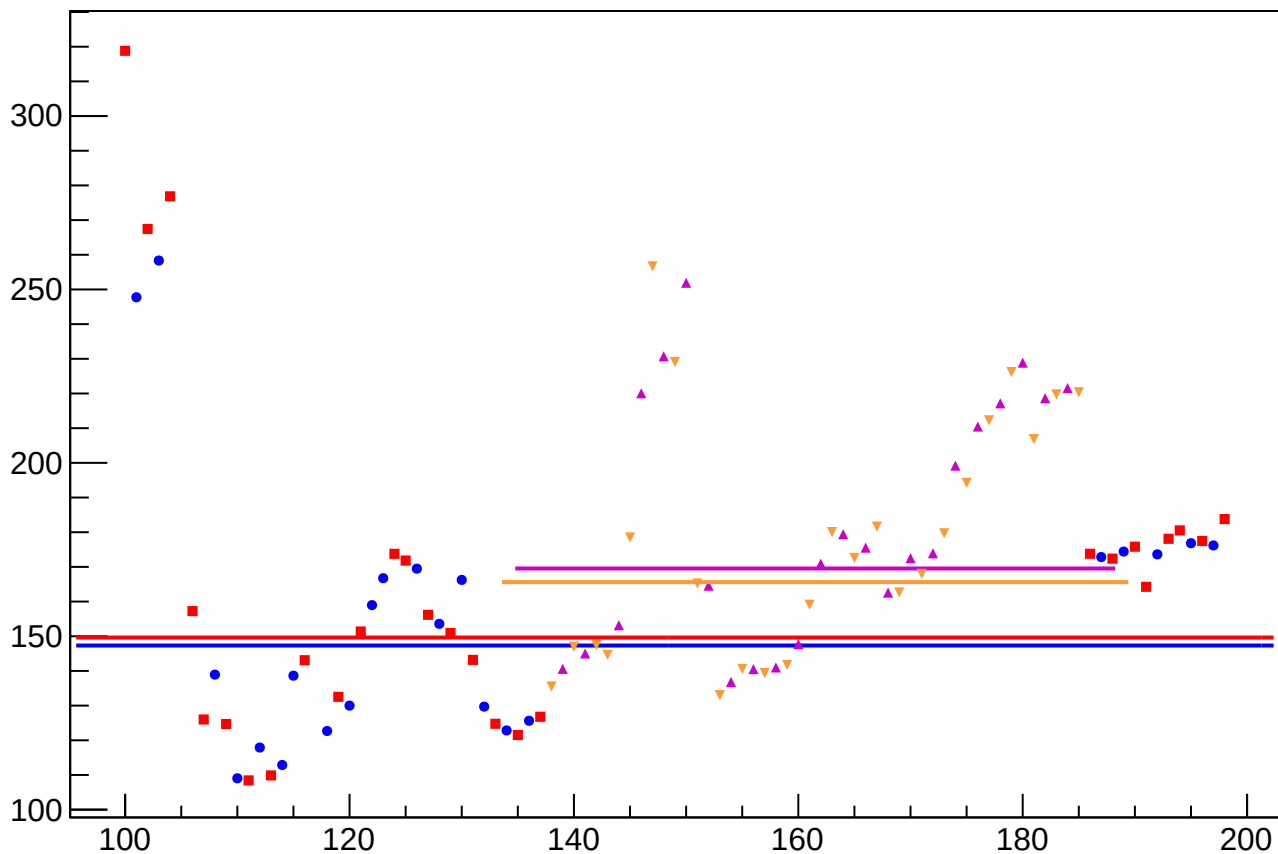
Left In: 7947.160+/-41.726 χ^2/NDF : 23874.5/22

+ sign 4.703+/-30.733 χ^2/NDF : 112367.3/46

All: 919.478+/-21.626 χ^2/NDF : 278538.5/96

- sign 1816.733+/-30.437 χ^2/NDF : 164416.3/49

asym_bpm0i01WS_rms vs Slug



Right In: 147.331 $\pm$ 0.035 χ^2 /NDF: 871940.3/21

Left Out: 165.616 $\pm$ 0.028 χ^2 /NDF: 1144779.3/24

Right Out: 149.629 $\pm$ 0.031 χ^2 /NDF: 1109401.8/26

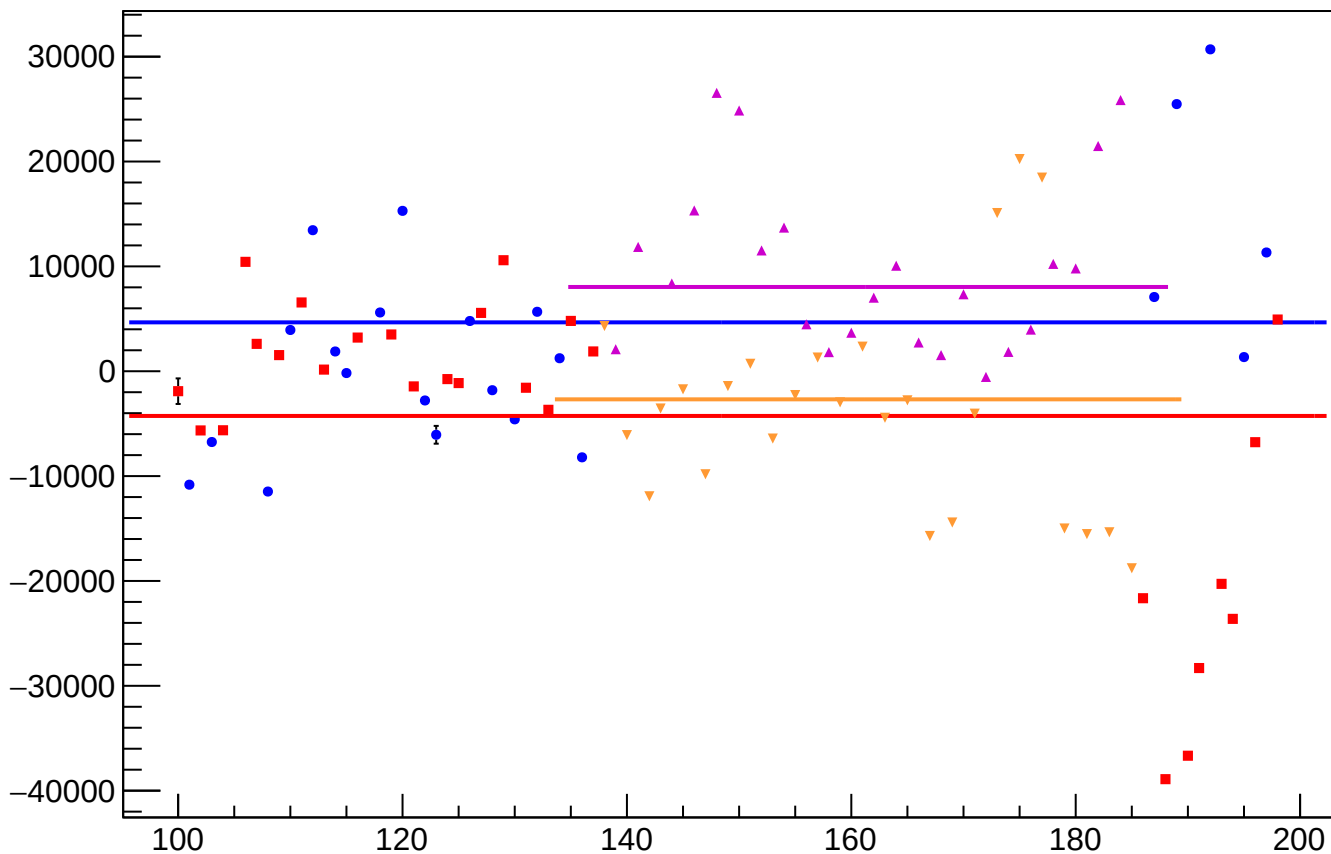
Left In: 169.542 $\pm$ 0.030 χ^2 /NDF: 1159241.9/22

+ sign 158.410 $\pm$ 0.022 χ^2 /NDF: 2185778.6/46

All: 159.326 $\pm$ 0.015 χ^2 /NDF: 4671066.6/96

- sign 160.225 $\pm$ 0.022 χ^2 /NDF: 2481768.8/49

asym_bpm0i01aWS_mean vs Slug



Right In: 4661.918+/-41.070 χ^2/NDF : 73240.1/21

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -4263.063+/-37.125 χ^2/NDF : 131083.1/26

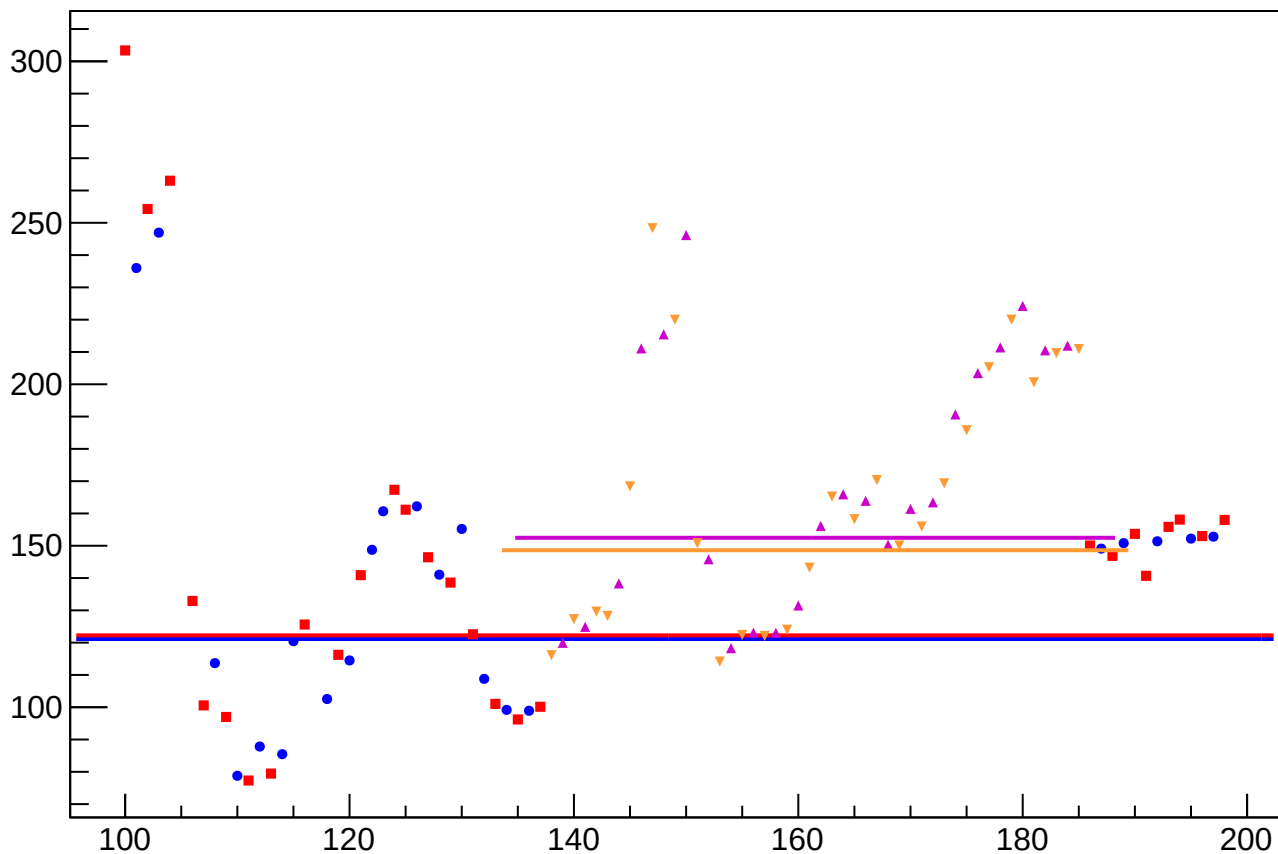
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 486.336+/-26.971 χ^2/NDF : 148236.0/46

All: 1131.580+/-18.913 χ^2/NDF : 363421.0/96

- sign 1755.877+/-26.529 χ^2/NDF : 214059.0/49

asym_bpm0i01aWS_rms vs Slug



Right In: 121.123+/-0.029 χ^2/NDF : 1445923.4/21

Left Out: 148.611+/-0.025 χ^2/NDF :1685424.1/24

Right Out: 122.252+/-0.026 χ^2/NDF : 1847160.0/26

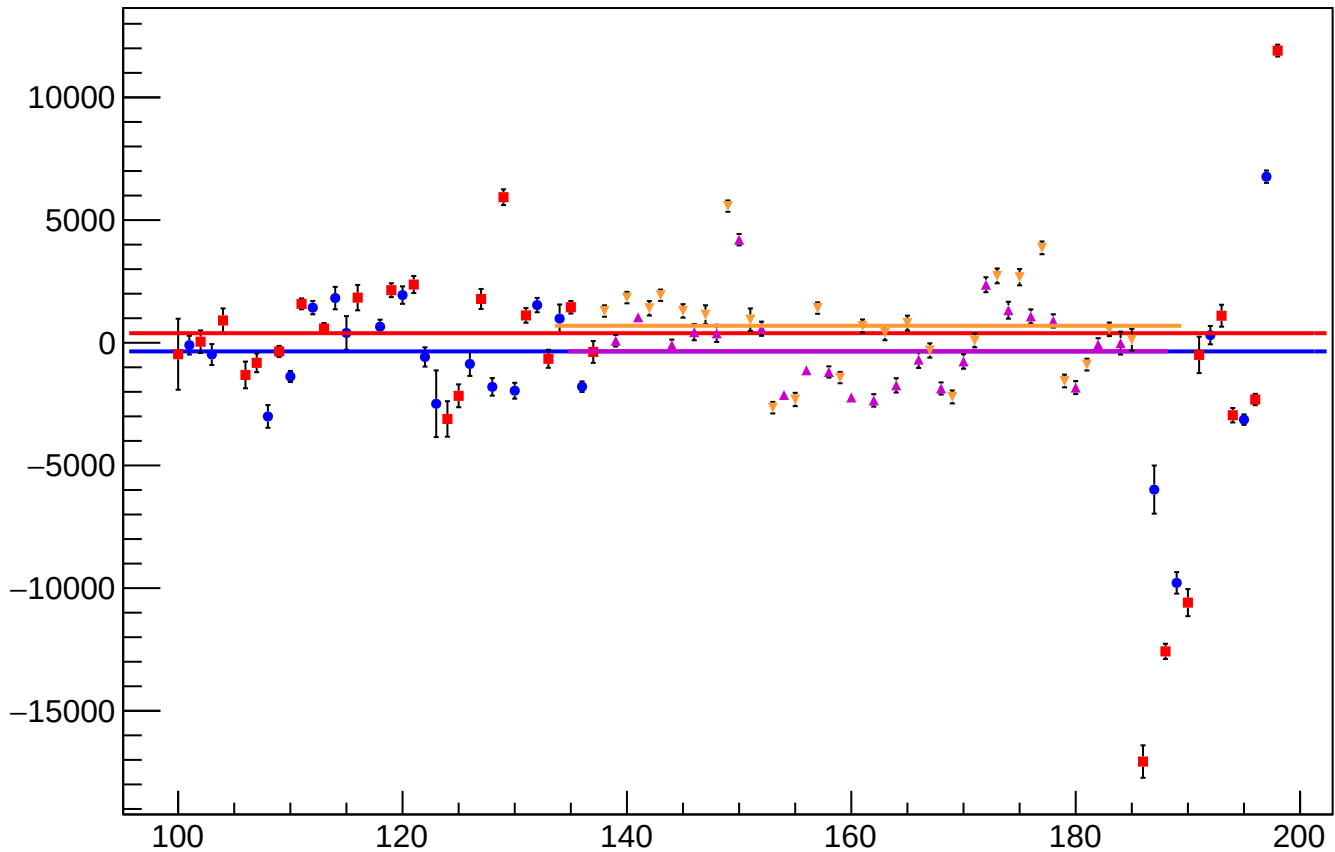
Left In: 152.463+/-0.027 χ^2/NDF :1691517.7/22

+ sign 136.756+/-0.019 χ^2/NDF : 3640889.3/46

All: 136.898+/-0.013 χ^2/NDF : 7827781.1/96

- sign 137.036+/-0.019 χ^2/NDF : 4186782.1/49

asym_bpm0l01WS_mean vs Slug



Right In: -351.744 ± 72.030 χ^2/NDF : 1774.5/21

Left Out: 692.998 ± 54.303 χ^2/NDF : 1422.0/24

Right Out: 390.327 ± 65.079 χ^2/NDF : 5906.4/26

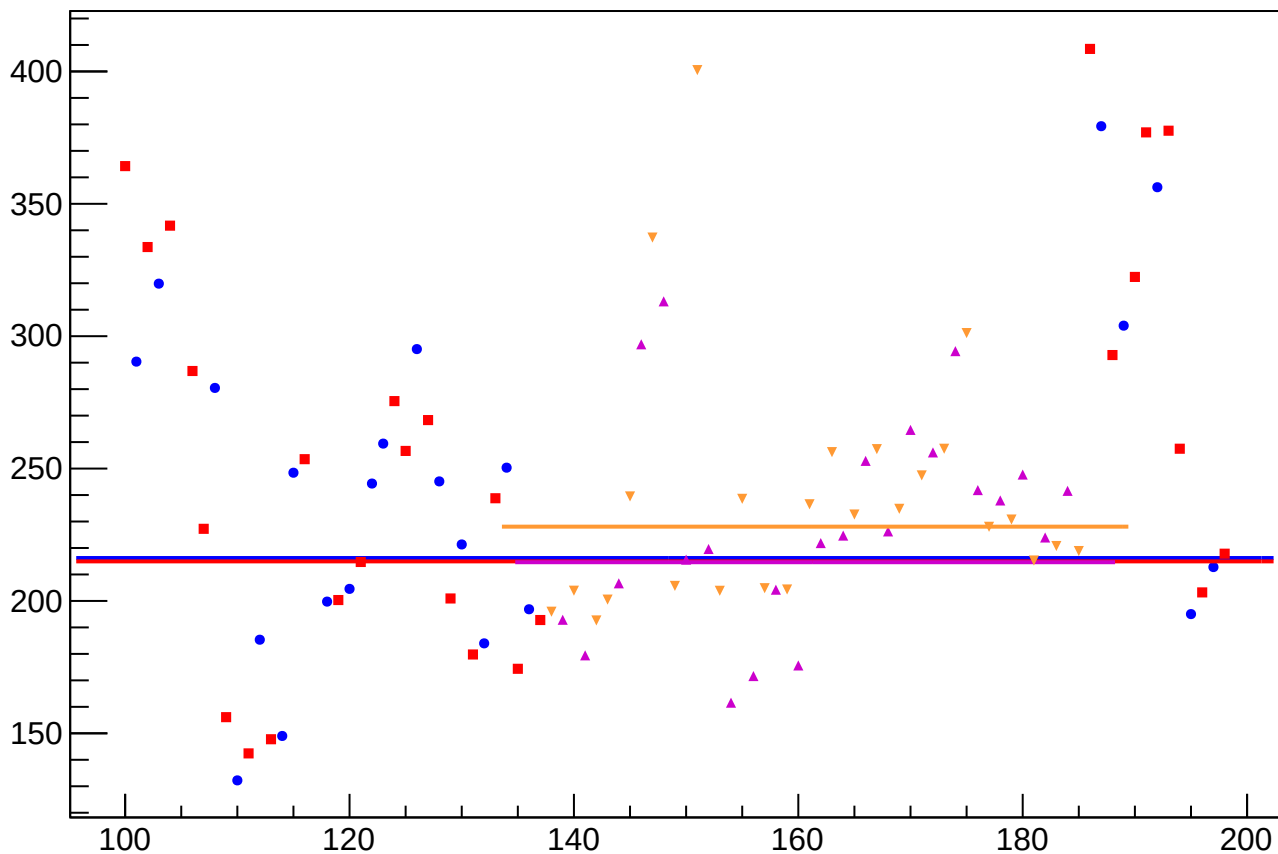
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 314.390 ± 43.361 χ^2/NDF : 3330.7/46

All: 120.553 ± 29.845 χ^2/NDF : 10333.7/96

- sign -53.931 ± 41.140 χ^2/NDF : 6965.0/49

asym_bpm0l01WS_rms vs Slug



Right In: 216.209 $\pm$ 0.051 χ^2 /NDF: 1148815.1/21

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF:826343.8/24

Right Out: 214.946 $\pm$ 0.046 χ^2 /NDF: 1814629.8/26

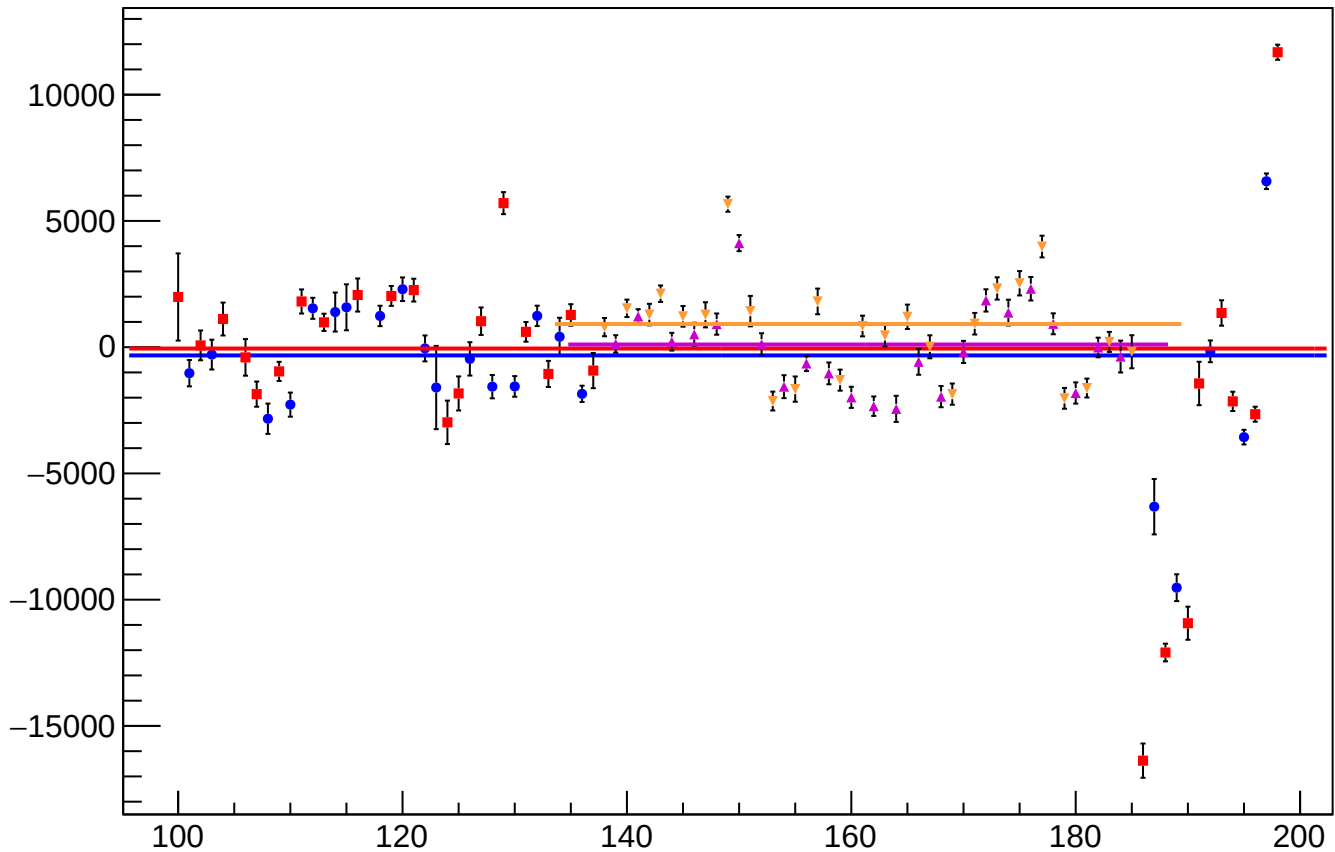
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF:1025683.3/22

+ sign 223.766 $\pm$ 0.031 χ^2 /NDF: 2009682.3/46

All: 219.023 $\pm$ 0.021 χ^2 /NDF: 4895483.6/96

- sign 214.754 $\pm$ 0.029 χ^2 /NDF: 2840341.9/49

asym_bpm0l02WS_mean vs Slug



Right In: -326.449 ± 100.115 $\chi^2/\text{NDF}: 1120.2/21$

Left Out: 915.968 ± 83.398 $\chi^2/\text{NDF}: 618.3/24$

Right Out: -54.066 ± 90.387 $\chi^2/\text{NDF}: 4010.7/26$

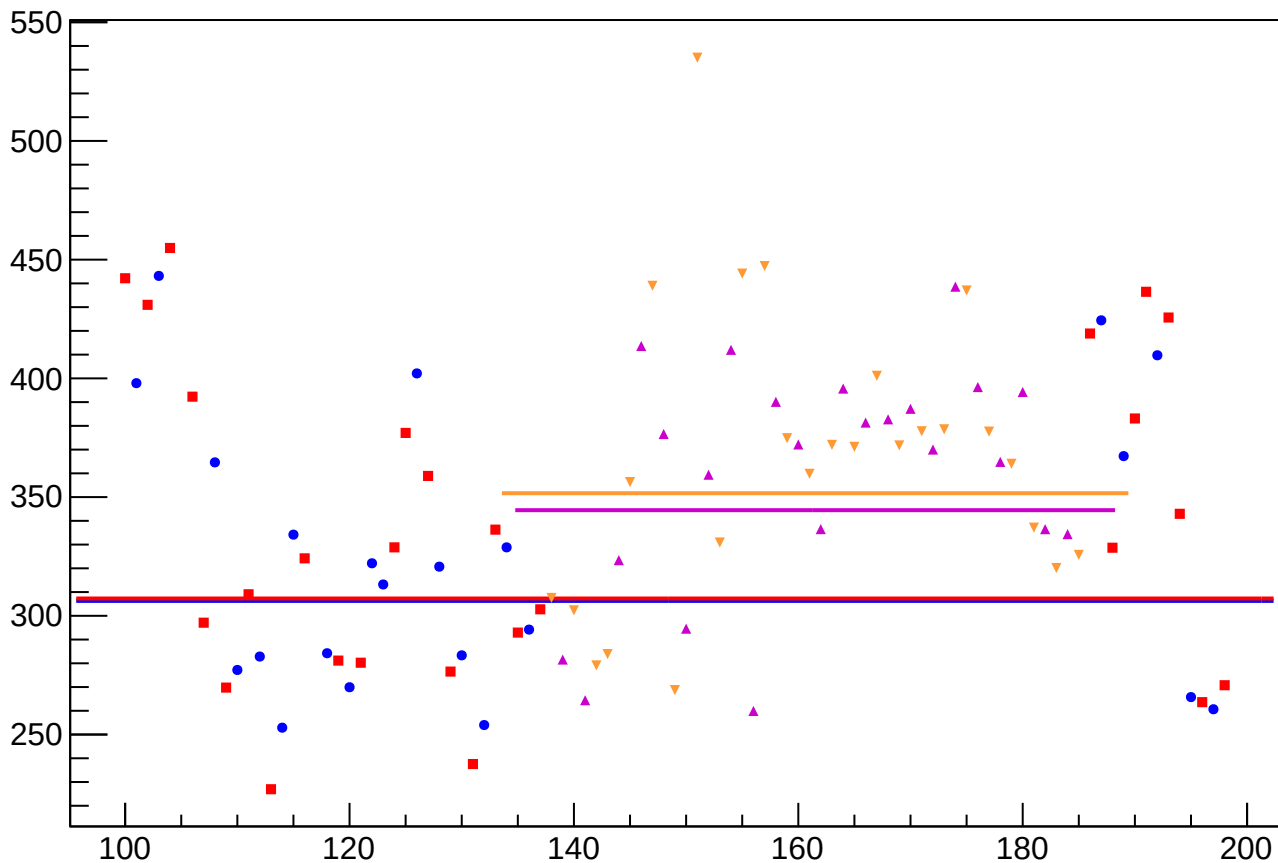
Left In: 106.116 ± 84.393 $\chi^2/\text{NDF}: 390.3/22$

+ sign 407.002 ± 64.078 $\chi^2/\text{NDF}: 1829.4/46$

All: 212.115 ± 44.440 $\chi^2/\text{NDF}: 6249.9/96$

- sign 31.512 ± 61.685 $\chi^2/\text{NDF}: 4402.7/49$

asym_bpm0l02WS_rms vs Slug



Right In: 306.289 $\pm$ 0.071 χ^2 /NDF: 569183.1/21

Left Out: 351.633 $\pm$ 0.059 χ^2 /NDF: 907849.3/24

Right Out: 307.287 $\pm$ 0.064 χ^2 /NDF: 836611.8/26

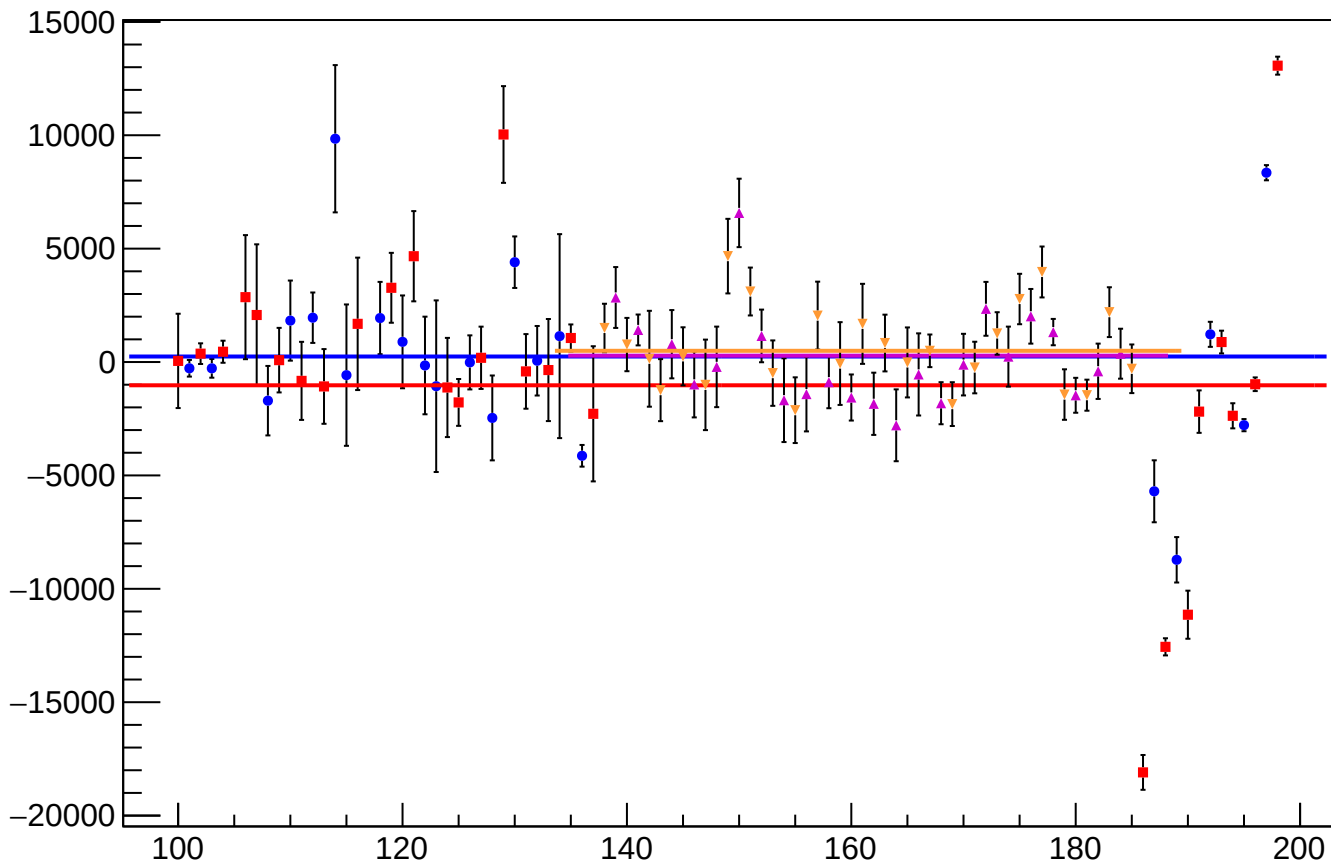
Left In: 344.491 $\pm$ 0.060 χ^2 /NDF: 768885.4/22

+ sign 333.057 $\pm$ 0.045 χ^2 /NDF: 1719234.9/46

All: 329.998 $\pm$ 0.031 χ^2 /NDF: 3514538.1/96

- sign 327.163 $\pm$ 0.044 χ^2 /NDF: 1786520.7/49

asym_bpm0l03WS_mean vs Slug



Right In: 243.287 $\pm$ 141.172 χ^2 /NDF: 932.6/21

Left Out: 495.014 $\pm$ 231.058 χ^2 /NDF: 56.2/24

Right Out: -1025.738 $\pm$ 138.398 χ^2 /NDF: 2881.7/26

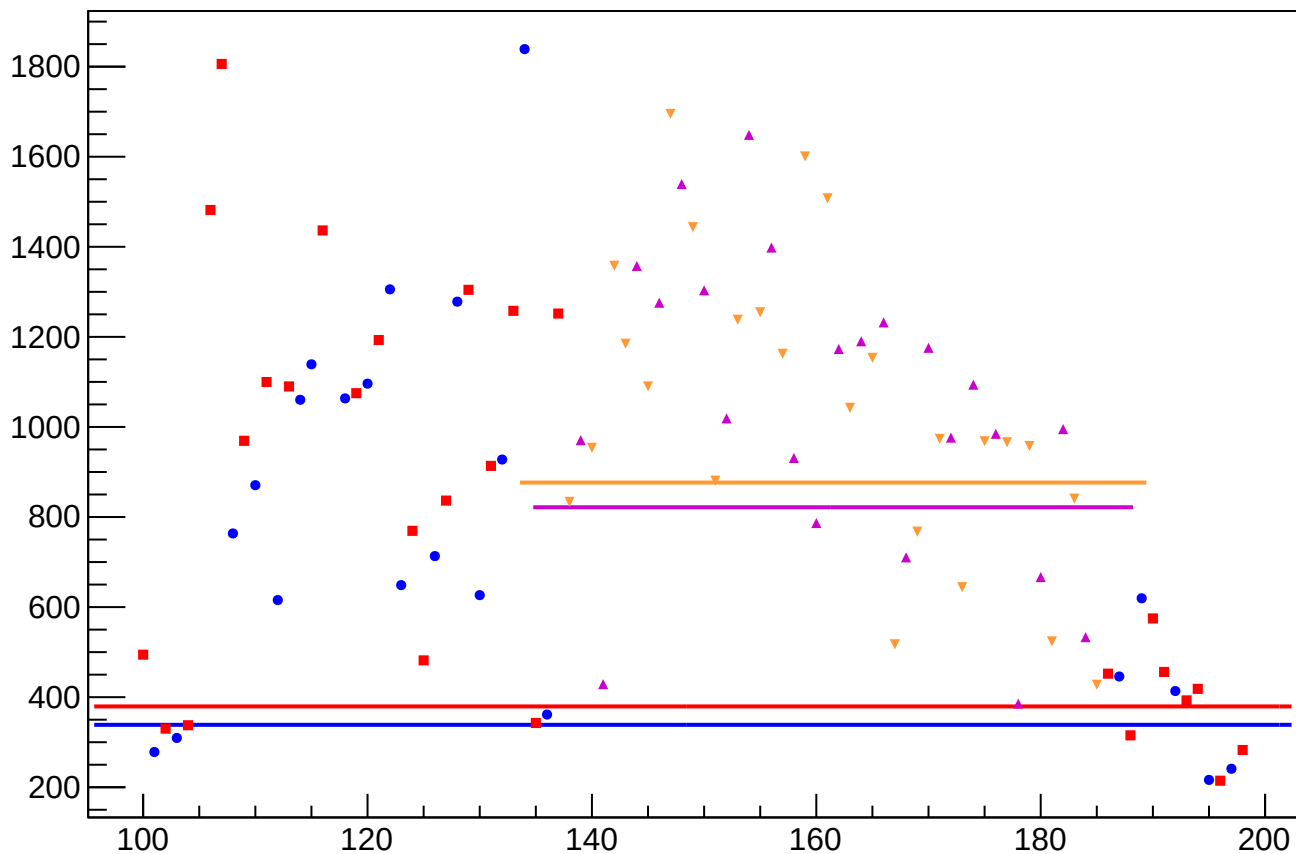
Left In: 280.692 $\pm$ 232.048 χ^2 /NDF: 57.2/22

+ sign 311.712 $\pm$ 120.466 χ^2 /NDF: 989.7/46

All: -192.284 $\pm$ 84.610 χ^2 /NDF: 3986.5/96

- sign -682.952 $\pm$ 118.863 χ^2 /NDF: 2962.2/49

asym_bpm0l03WS_rms vs Slug



Right In: 338.620 ± 0.100 χ^2/NDF : 4003425.5/21

Left Out: 876.560 ± 0.163 χ^2/NDF : 3434698.7/24

Right Out: 379.451 ± 0.098 χ^2/NDF : 5119150.6/26

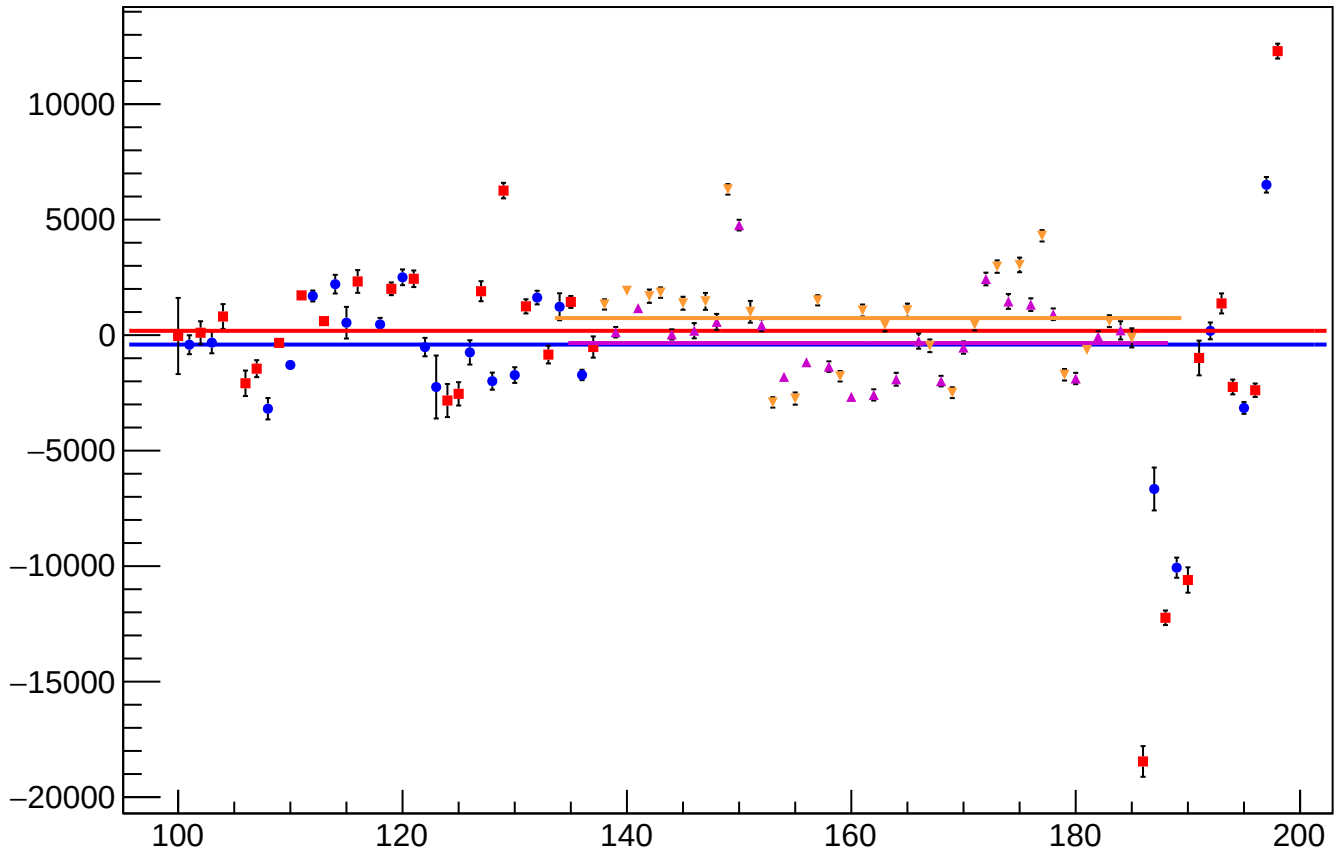
Left In: 821.657 ± 0.164 χ^2/NDF : 4443094.2/22

+ sign 484.845 ± 0.085 χ^2/NDF : 15332033.0/46

All: 490.233 ± 0.060 χ^2/NDF : 30259604.7/96

- sign 495.479 ± 0.084 χ^2/NDF : 14919675.4/49

asym_bpm0l04WS_mean vs Slug



Right In: -408.109 ± 73.565 χ^2/NDF : 1455.4/21

Left Out: 738.847 ± 51.649 χ^2/NDF : 1935.2/24

Right Out: 186.601 ± 65.791 χ^2/NDF : 4921.0/26

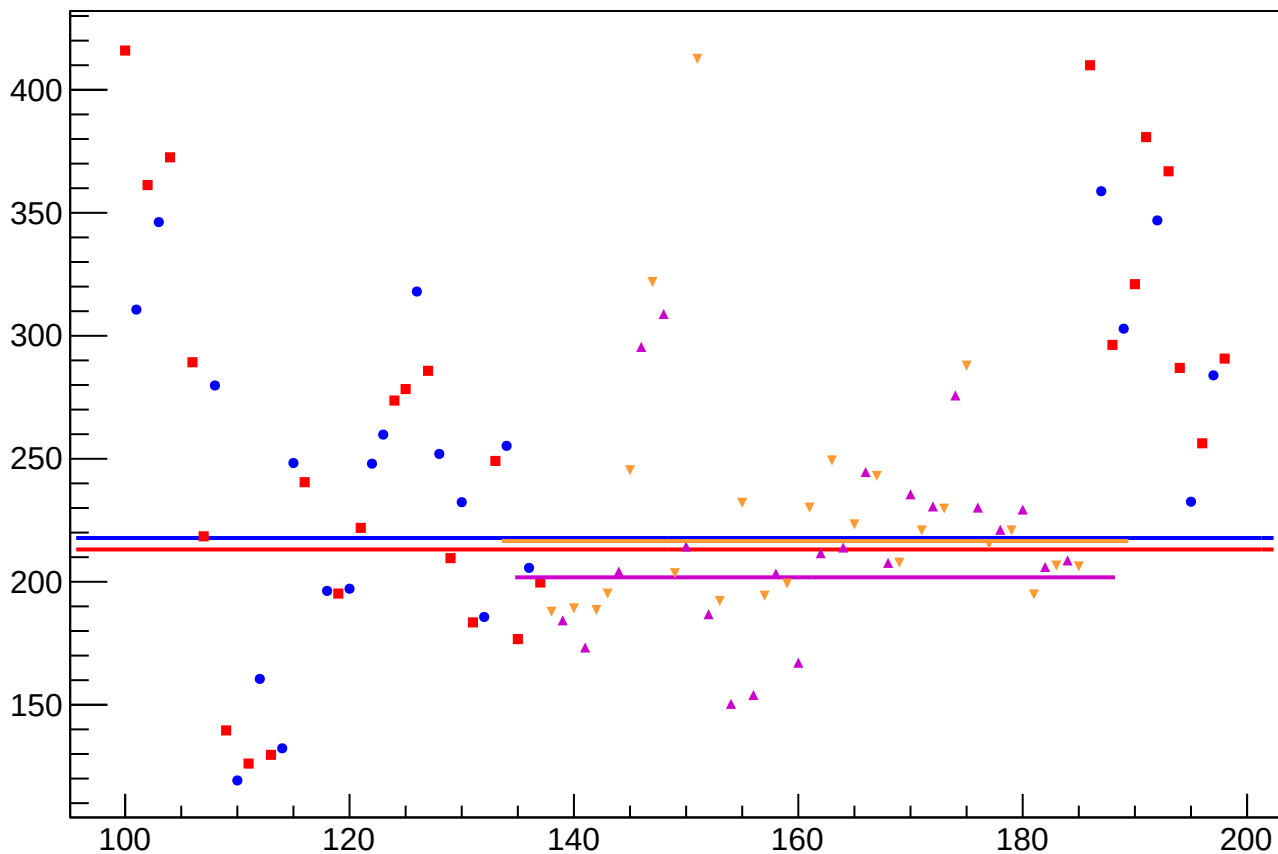
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 360.151 ± 42.271 χ^2/NDF : 3553.4/46

All: 90.695 ± 28.989 χ^2/NDF : 9847.0/96

- sign -148.548 ± 39.831 χ^2/NDF : 6216.9/49

asym_bpm0l04WS_rms vs Slug



Right In: 217.812 ± 0.052 χ^2/NDF : 1585026.6/21

Left Out: 216.574 ± 0.037 χ^2/NDF : 886214.1/24

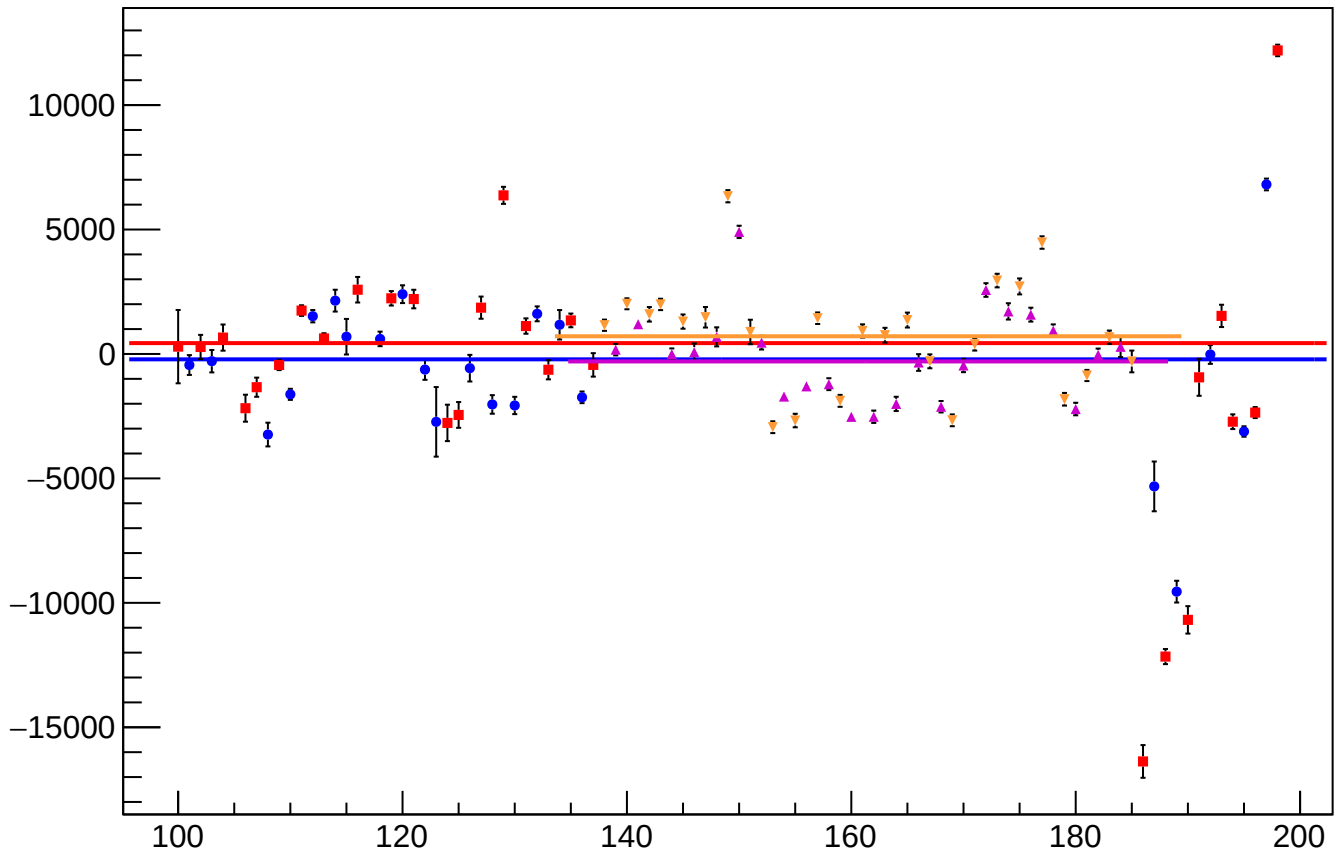
Right Out: 213.137 ± 0.047 χ^2/NDF : 2646449.5/26

Left In: 201.805 ± 0.035 χ^2/NDF : 1087243.4/22

+ sign 216.983 ± 0.030 χ^2/NDF : 2471620.1/46

All: 211.143 ± 0.020 χ^2/NDF : 6314953.0/96

- sign 205.959 ± 0.028 χ^2/NDF : 3771277.8/49



Right In: -216.055 ± 72.489 χ^2/NDF : 1922.3/21

Left Out: 711.174 ± 53.245 χ^2/NDF : 1835.3/24

Right Out: 436.093 ± 65.036 χ^2/NDF : 6211.3/26

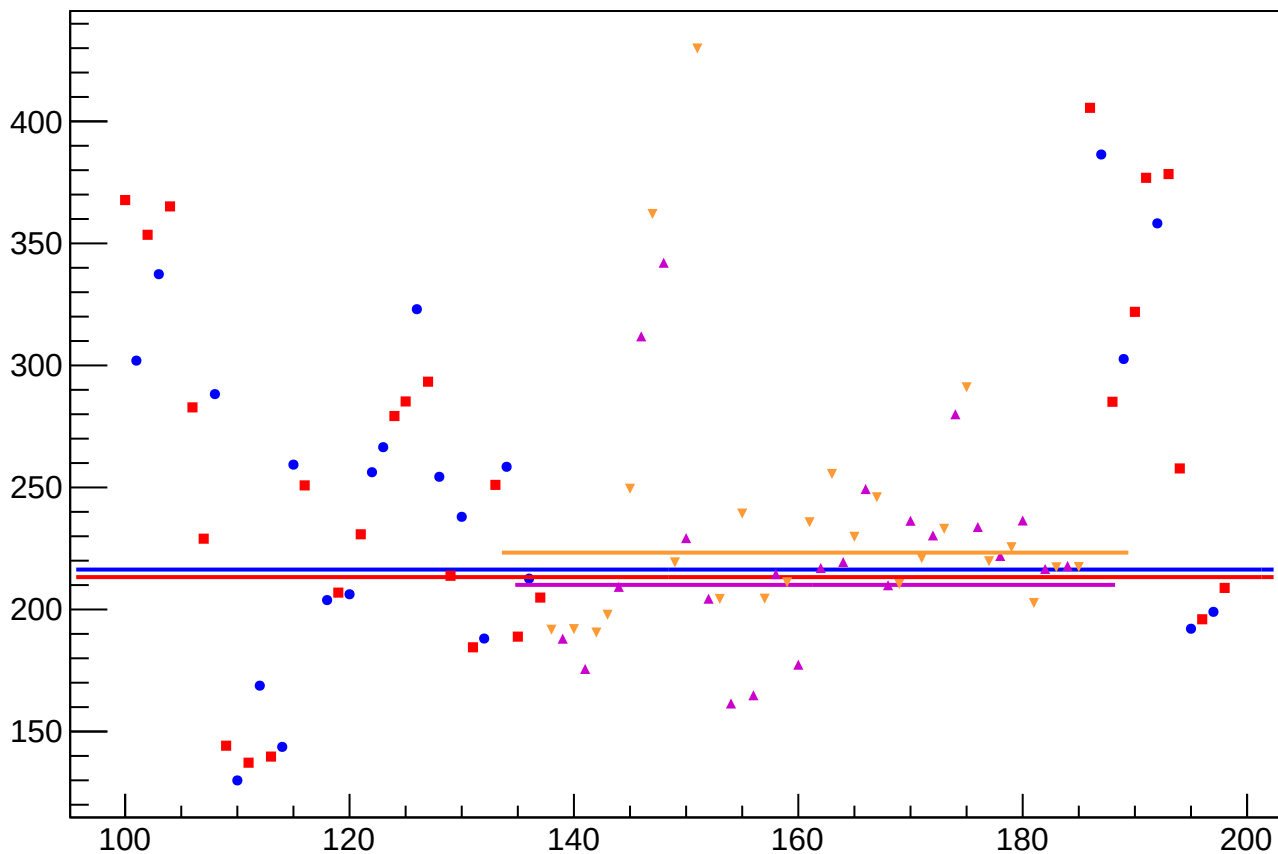
Left In: -300.516 ± 51.984 χ^2/NDF : 1208.6/22

+ sign 386.226 ± 42.913 χ^2/NDF : 3863.9/46

All: 175.406 ± 29.495 χ^2/NDF : 11407.8/96

- sign -13.361 ± 40.606 χ^2/NDF : 7498.2/49

asym_bpm0l05WS_rms vs Slug



Right In: 216.357 $\pm$ 0.051 χ^2 /NDF: 1338184.5/21

Left Out: 223.296 $\pm$ 0.038 χ^2 /NDF: 922768.4/24

Right Out: 213.270 $\pm$ 0.046 χ^2 /NDF: 2084195.7/26

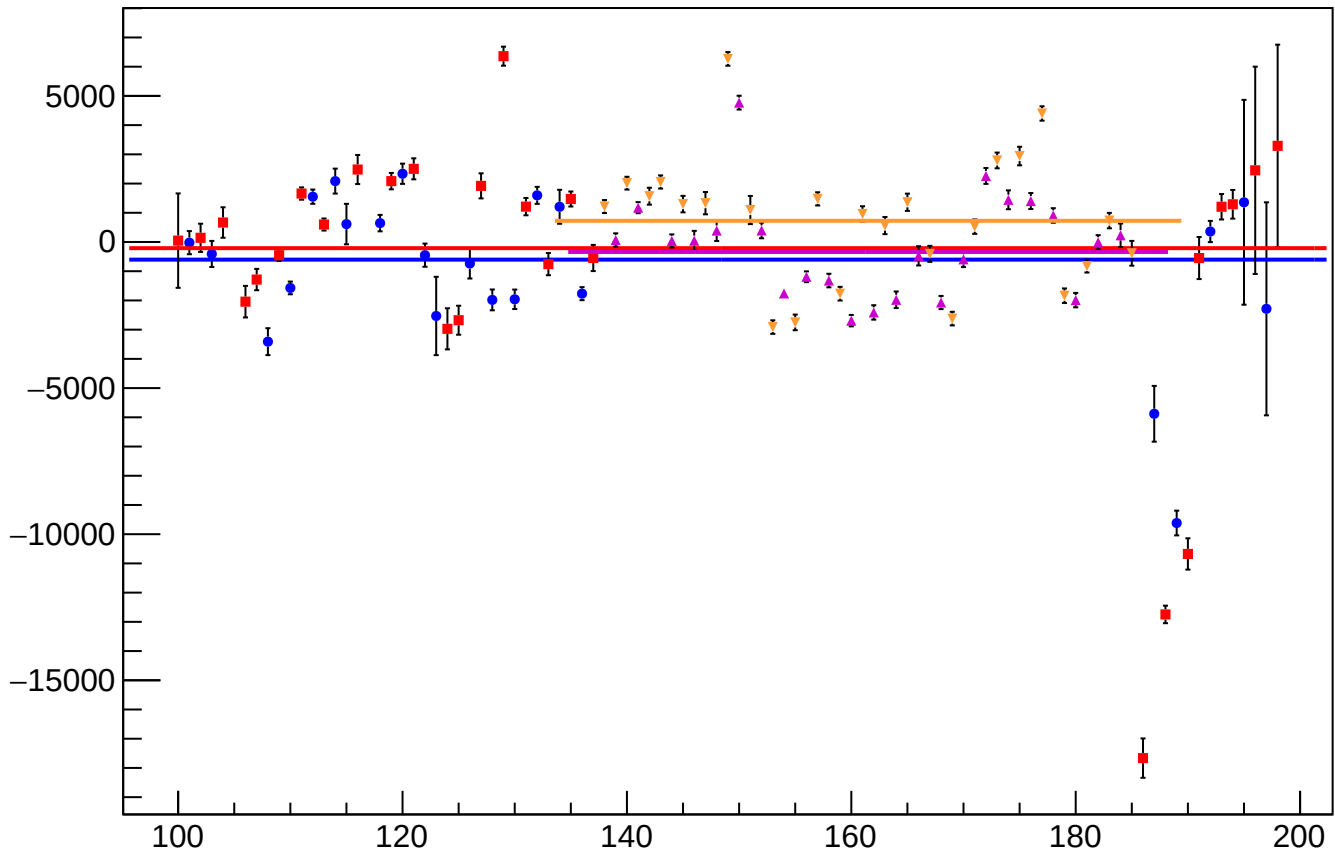
Left In: 210.080 $\pm$ 0.037 χ^2 /NDF: 1015274.5/22

+ sign 220.864 $\pm$ 0.030 χ^2 /NDF: 2272859.1/46

All: 215.831 $\pm$ 0.021 χ^2 /NDF: 5427423.5/96

- sign 211.324 $\pm$ 0.029 χ^2 /NDF: 3102407.2/49

asym_bpm0l06WS_mean vs Slug



Right In: -603.203 ± 79.160 $\chi^2/\text{NDF}: 892.1/21$

Left Out: 725.866 ± 52.158 $\chi^2/\text{NDF}: 1912.7/24$

Right Out: -211.007 ± 70.032 $\chi^2/\text{NDF}: 3633.2/26$

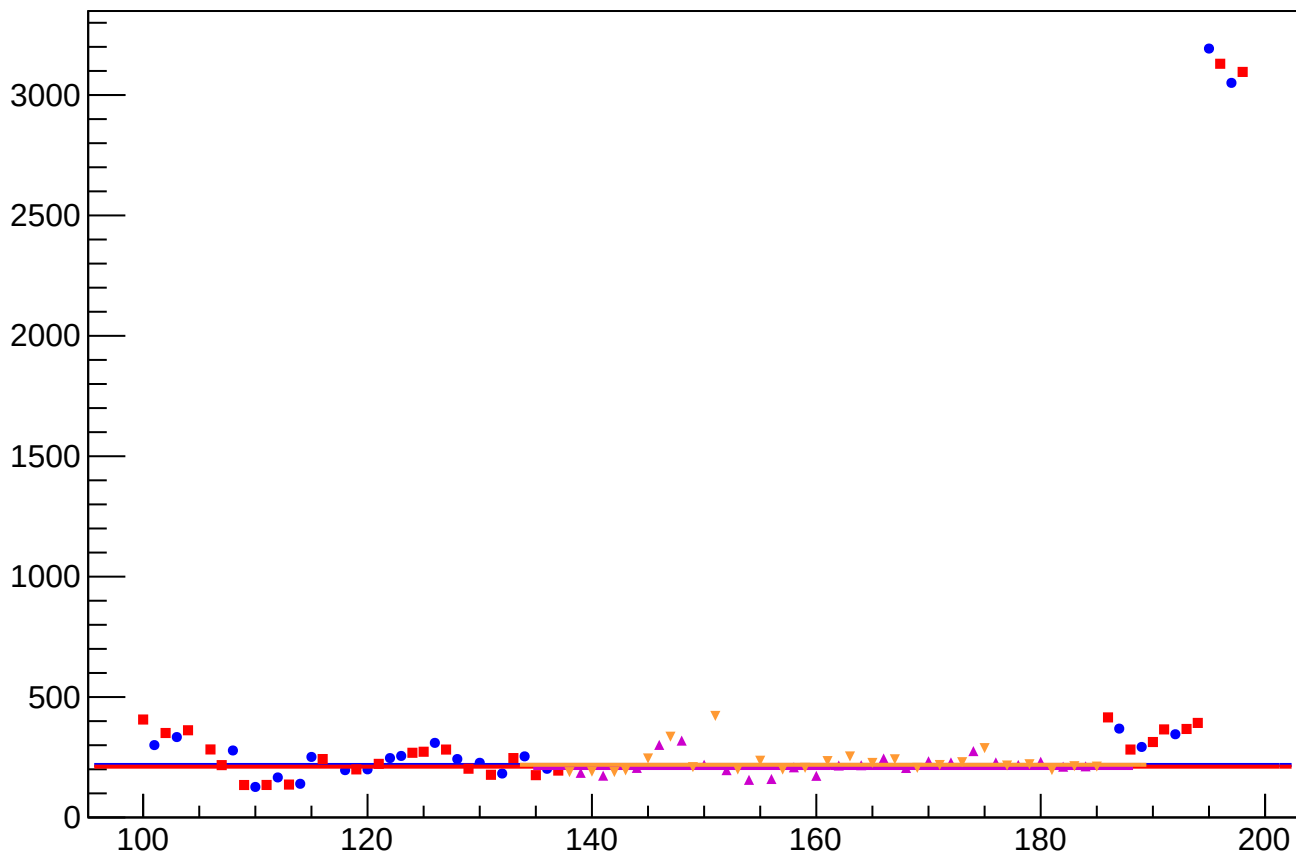
Left In: -340.502 ± 50.802 $\chi^2/\text{NDF}: 1201.8/22$

+ sign 323.531 ± 43.554 $\chi^2/\text{NDF}: 3001.4/46$

All: -3.936 ± 29.900 $\chi^2/\text{NDF}: 7945.6/96$

- sign -295.853 ± 41.122 $\chi^2/\text{NDF}: 4837.3/49$

asym_bpm0l06WS_rms vs Slug



Right In: 218.016 $\pm$ 0.056 χ^2 /NDF: 3928106.9/21

Left Out: 218.768 $\pm$ 0.037 χ^2 /NDF: 896914.5/24

Right Out: 210.885 $\pm$ 0.050 χ^2 /NDF: 5163724.4/26

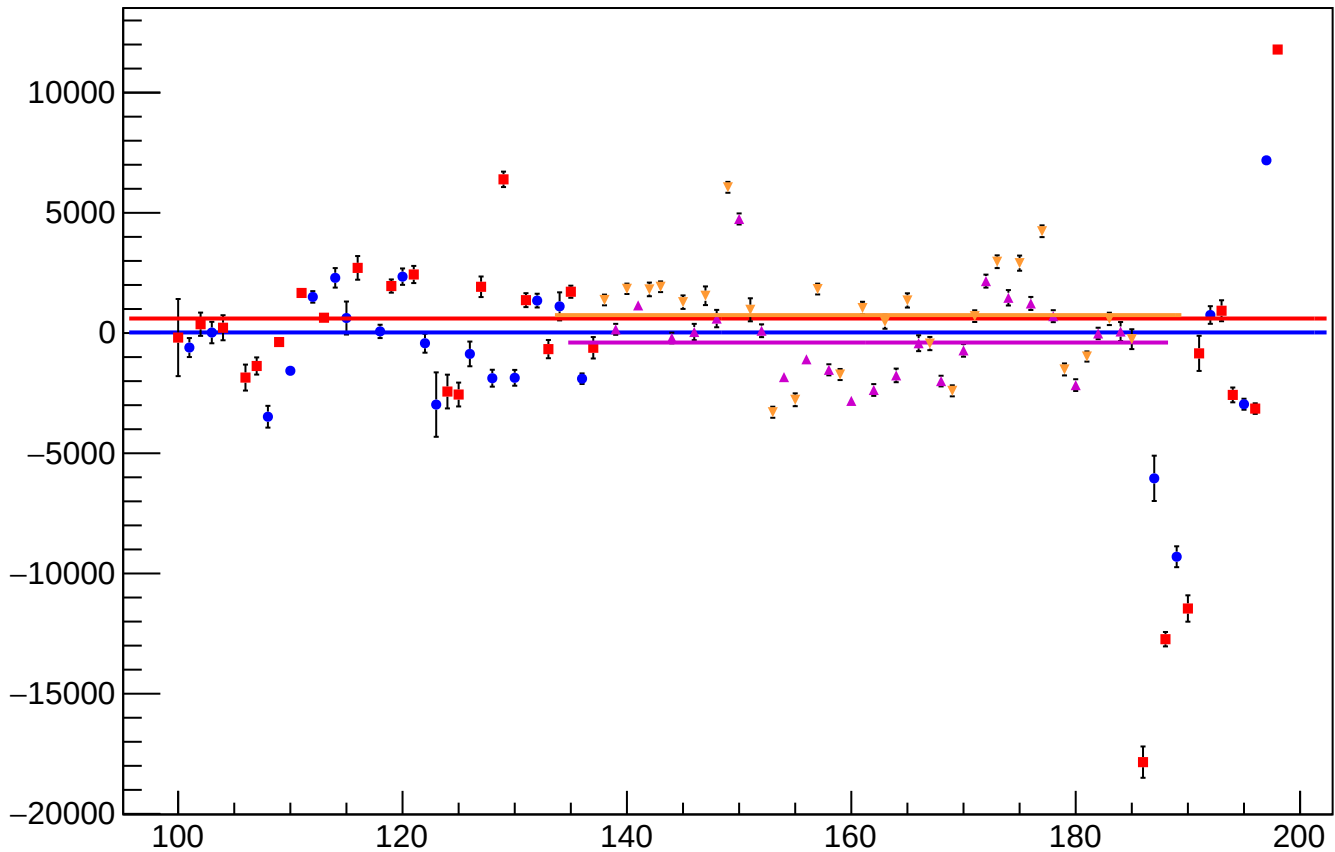
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 218.541 $\pm$ 0.031 χ^2 /NDF: 4825147.3/46

All: 212.541 $\pm$ 0.021 χ^2 /NDF: 11066317.6/96

- sign 207.192 $\pm$ 0.029 χ^2 /NDF: 6169379.3/49

asym_bpm0l07WS_mean vs Slug



Right In: 25.461+/-69.582 χ^2/NDF : 2271.7/21

Left Out: 746.405+/-51.592 χ^2/NDF :1942.1/24

Right Out: 604.791+/-61.673 χ^2/NDF : 7345.1/26

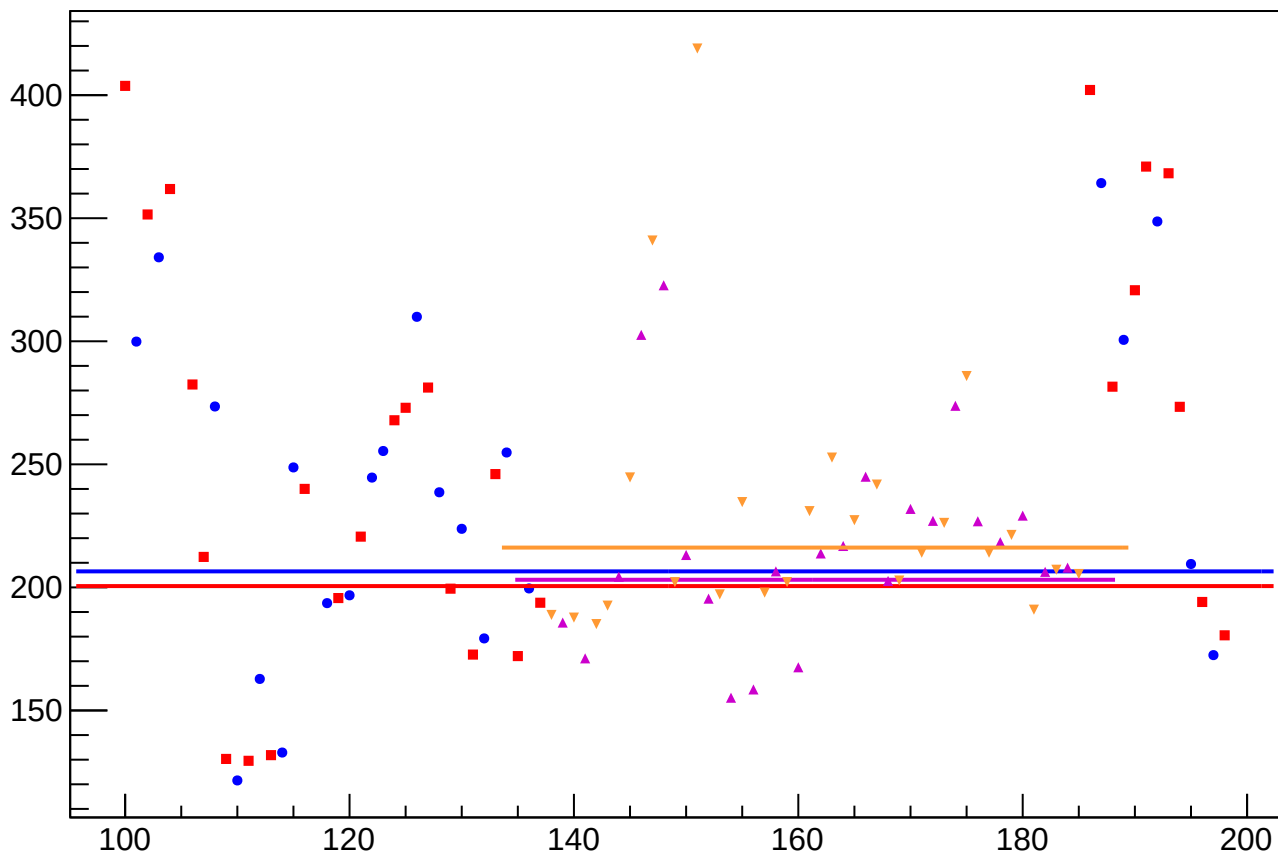
Left In: -394.379+/-50.311 χ^2/NDF :1236.4/22

+ sign 490.661+/-41.443 χ^2/NDF : 4283.0/46

All: 232.930+/-28.396 χ^2/NDF : 13095.1/96

- sign 4.866+/-38.985 χ^2/NDF : 8739.1/49

asym_bpm0l07WS_rms vs Slug



Right In: 206.513+/-0.049 χ^2/NDF : 1458283.0/21

Left Out: 216.178+/-0.036 χ^2/NDF : 946050.8/24

Right Out: 200.533+/-0.044 χ^2/NDF : 2423519.6/26

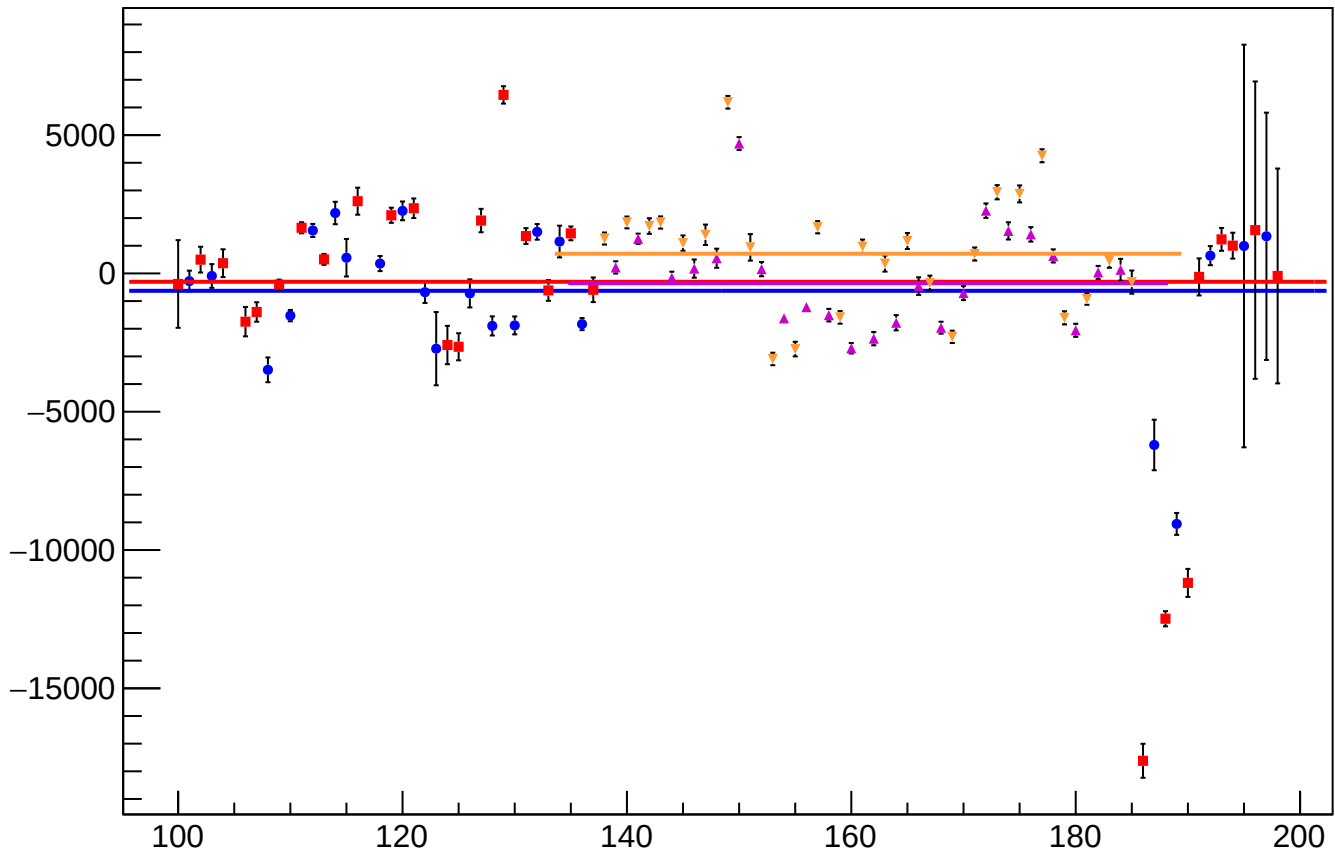
Left In: 203.101+/-0.036 χ^2/NDF : 1038013.0/22

+ sign 212.749+/-0.029 χ^2/NDF : 2429232.0/46

All: 207.086+/-0.020 χ^2/NDF : 5963246.1/96

- sign 202.075+/-0.028 χ^2/NDF : 3463615.1/49

asym_bpm0l08WS_mean vs Slug



Right In: -629.141 ± 76.504 χ^2/NDF : 914.9/21

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: -302.407 ± 67.157 χ^2/NDF : 4161.3/26

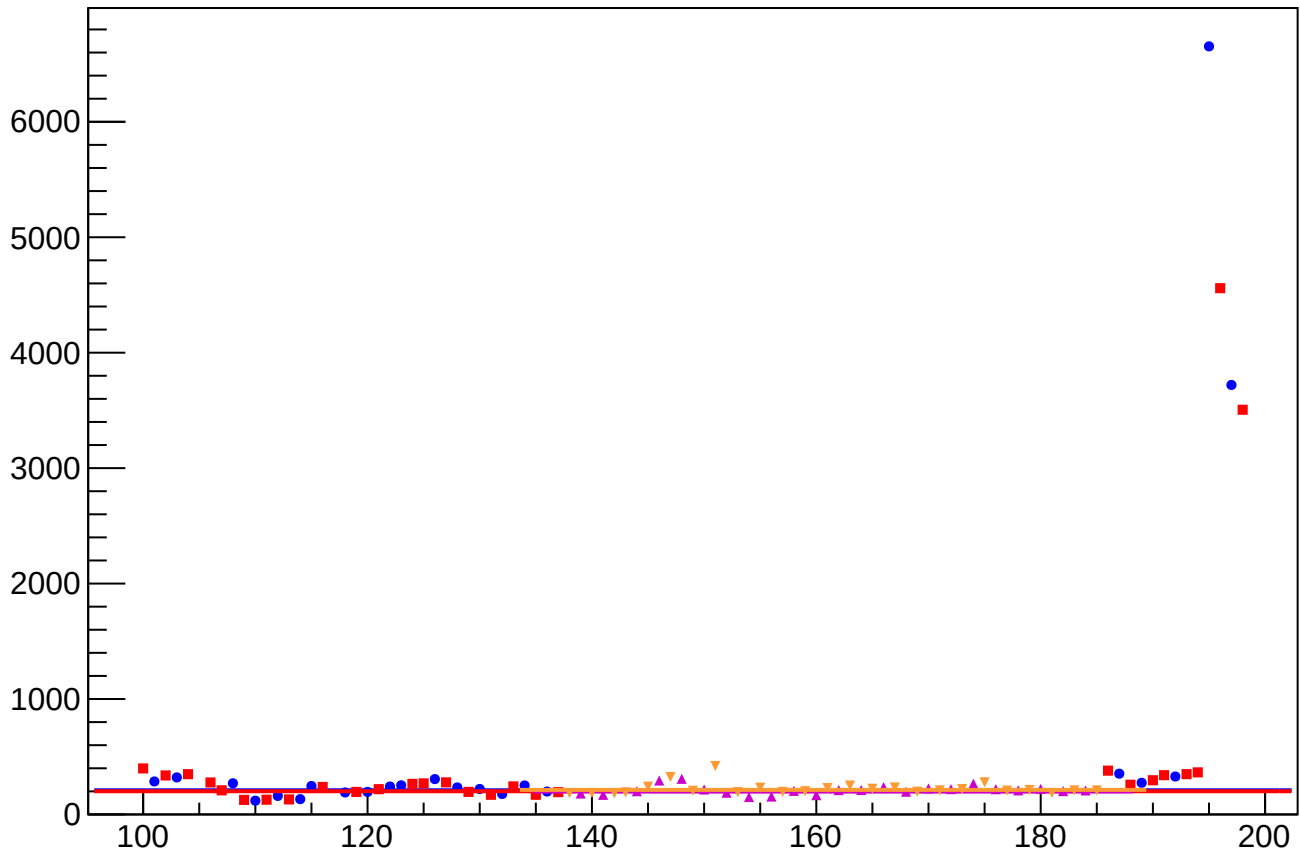
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 300.947 ± 42.291 χ^2/NDF : 3060.0/46

All: -36.659 ± 28.964 χ^2/NDF : 8574.8/96

- sign -334.907 ± 39.750 χ^2/NDF : 5394.7/49

asym_bpm0l08WS_rms vs Slug



Right In: 209.332 $\pm$ 0.054 χ^2 /NDF: 4099122.8/21

Left Out: 212.718 $\pm$ 0.036 χ^2 /NDF: 916225.9/24

Right Out: 201.152 $\pm$ 0.047 χ^2 /NDF: 5171812.6/26

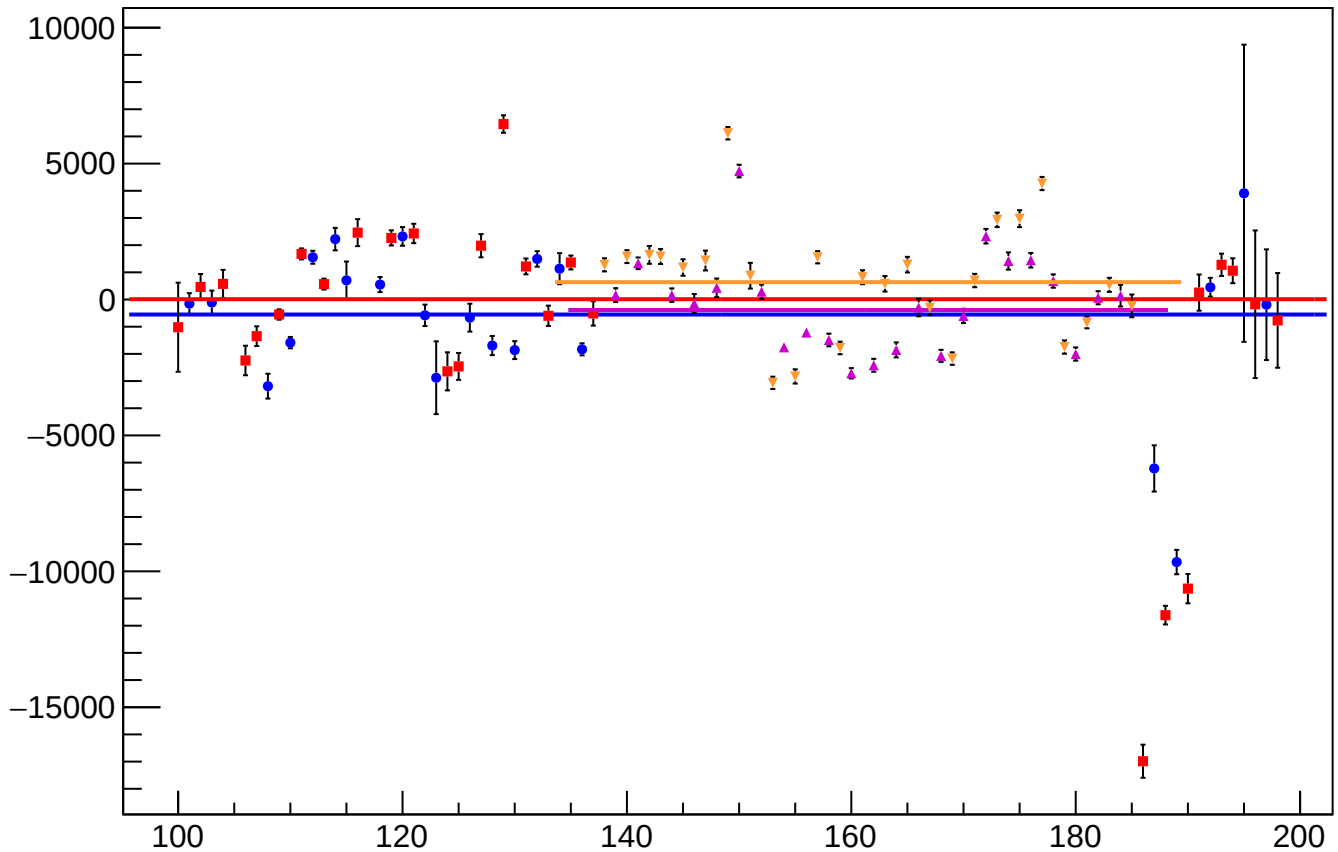
Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

+ sign 211.684 $\pm$ 0.030 χ^2 /NDF: 5018069.8/46

All: 205.399 $\pm$ 0.020 χ^2 /NDF: 11260173.5/96

- sign 199.846 $\pm$ 0.028 χ^2 /NDF: 6158908.8/49

asym_bpm0l09WS_mean vs Slug



Right In: -551.934 ± 77.809 χ^2/NDF : 859.7/21

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: 11.340 ± 69.031 χ^2/NDF : 3096.1/26

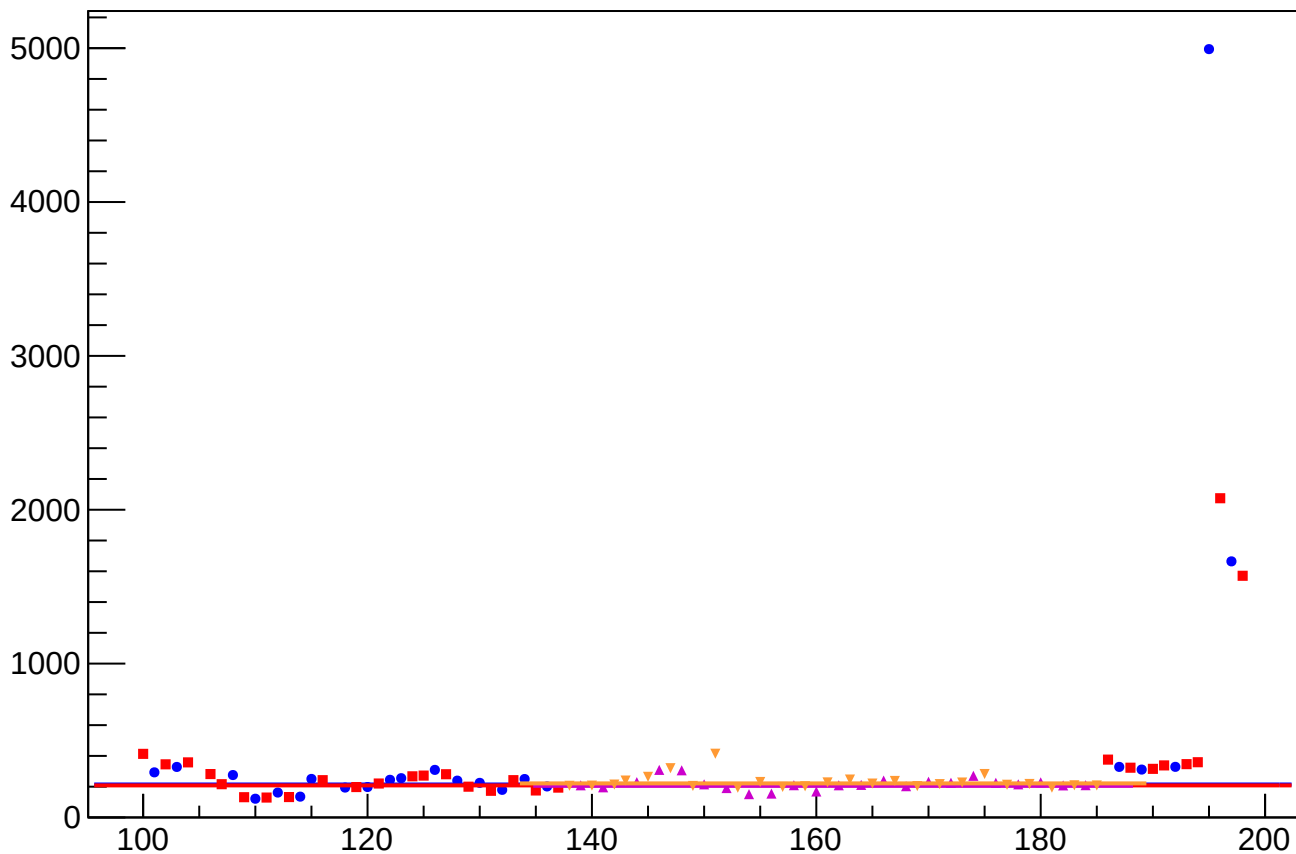
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 265.084 ± 43.639 χ^2/NDF : 2879.8/46

All: -6.213 ± 29.887 χ^2/NDF : 7308.2/96

- sign -245.883 ± 41.016 χ^2/NDF : 4355.6/49

asym_bpm0l09WS_rms vs Slug



Right In: 214.277 $\pm$ 0.055 χ^2 /NDF: 3866461.3/21

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

Right Out: 208.351 $\pm$ 0.049 χ^2 /NDF: 4665171.1/26

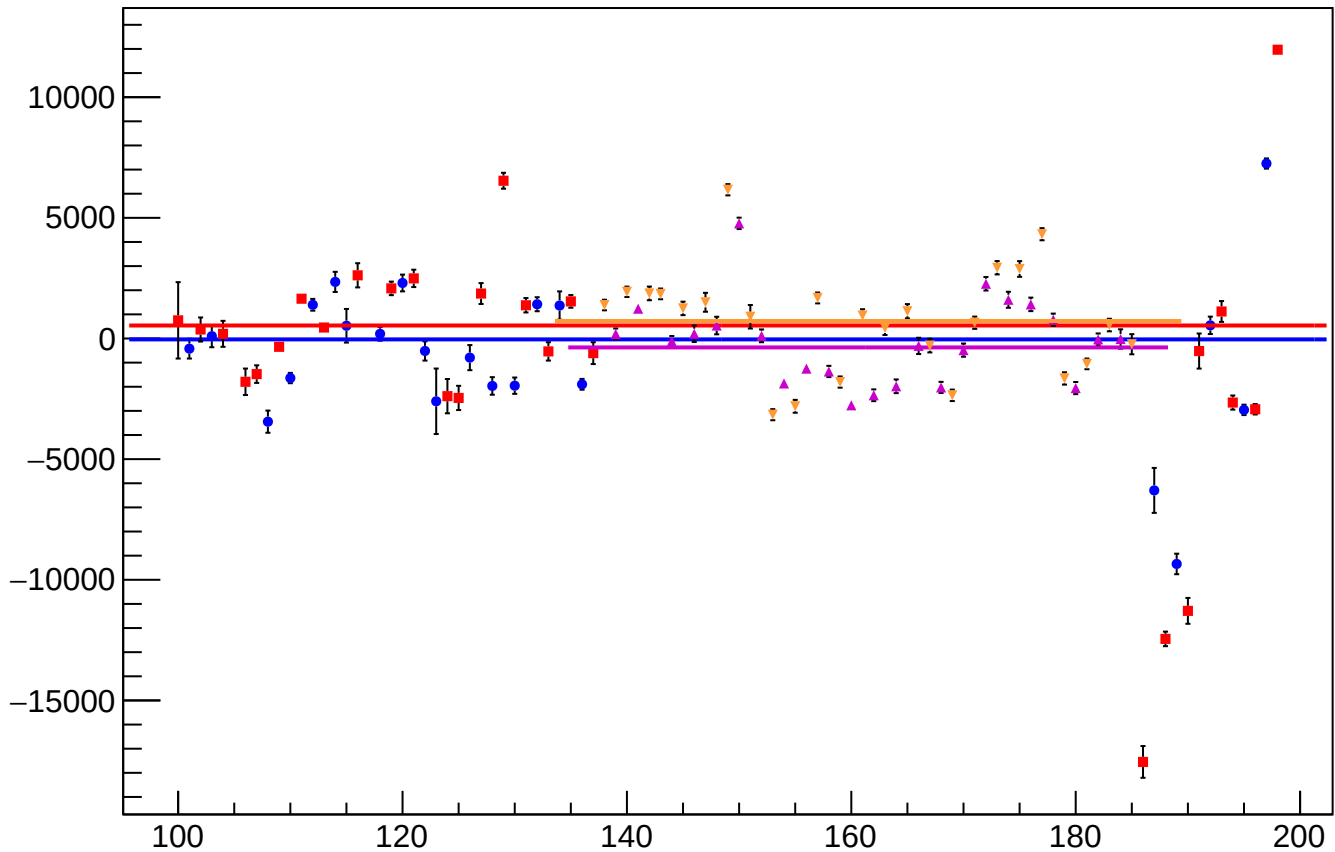
Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 219.158 $\pm$ 0.031 χ^2 /NDF: 4655778.8/46

All: 212.545 $\pm$ 0.021 χ^2 /NDF: 10404123.1/96

- sign 206.703 $\pm$ 0.029 χ^2 /NDF: 5661836.9/49

asym_bpm0l10WS_mean vs Slug



Right In: -37.198 ± 70.303 χ^2/NDF : 2291.3/21

Left Out: 725.250 ± 52.307 χ^2/NDF : 1883.1/24

Right Out: 539.143 ± 62.672 χ^2/NDF : 7074.7/26

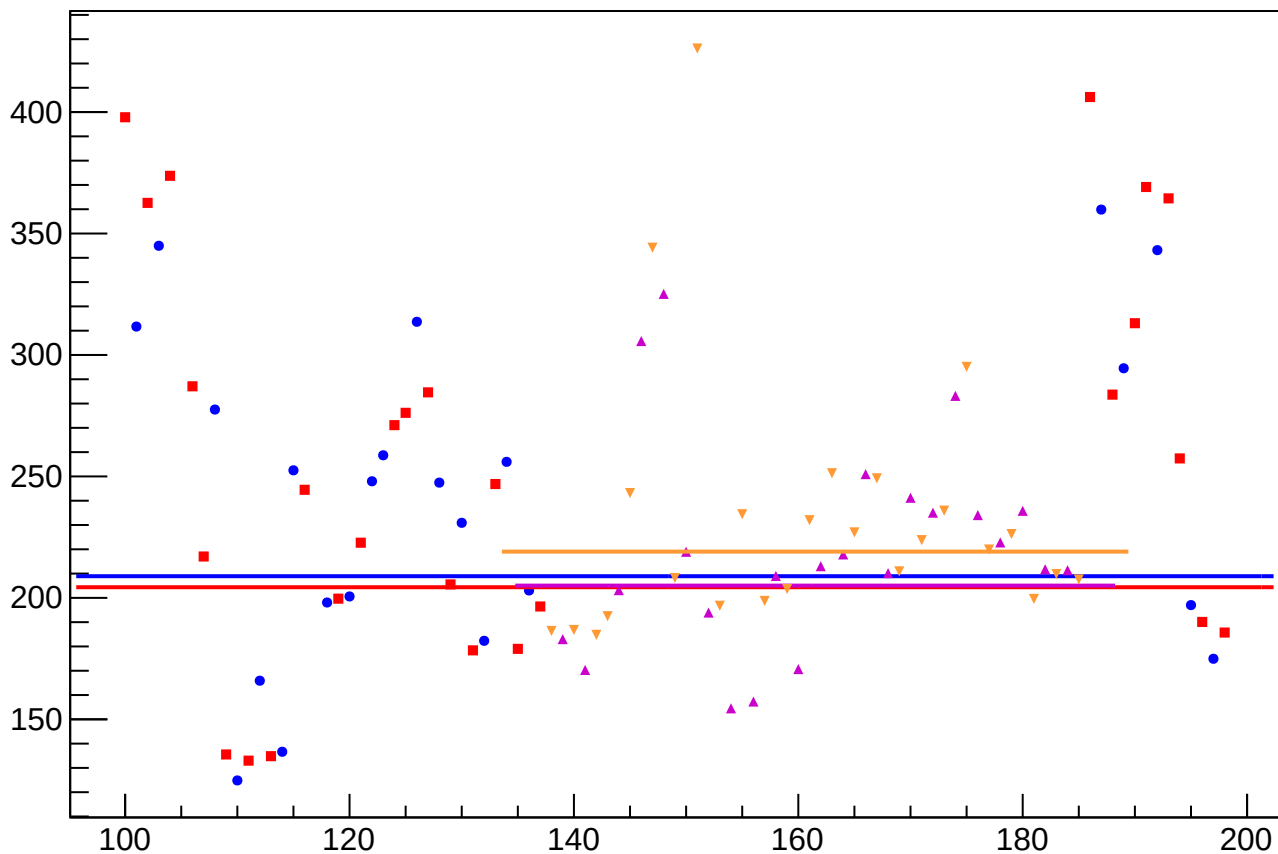
Left In: -370.408 ± 50.884 χ^2/NDF : 1223.2/22

+ sign 453.571 ± 41.966 χ^2/NDF : 4250.2/46

All: 208.297 ± 28.764 χ^2/NDF : 12739.4/96

- sign -9.040 ± 39.503 χ^2/NDF : 8424.8/49

asym_bpm0l10WS_rms vs Slug



Right In: 208.920 $\pm$ 0.050 χ^2 /NDF: 1418657.3/21

Left Out: 219.049 $\pm$ 0.037 χ^2 /NDF:975564.4/24

Right Out: 204.381 $\pm$ 0.044 χ^2 /NDF: 2275104.2/26

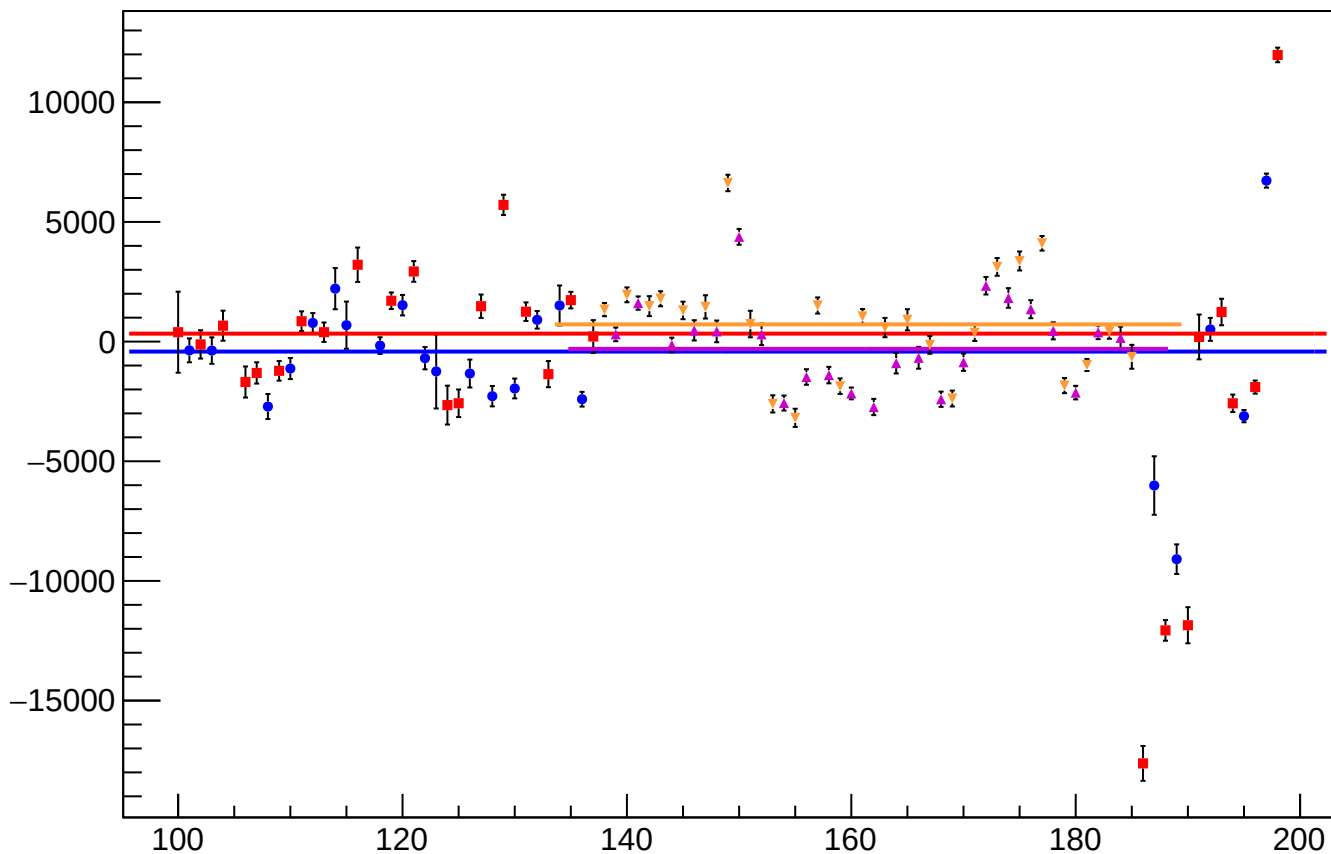
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF:1144197.1/22

+ sign 215.440 $\pm$ 0.030 χ^2 /NDF: 2420941.3/46

All: 209.789 $\pm$ 0.020 χ^2 /NDF: 5908769.2/96

- sign 204.782 $\pm$ 0.028 χ^2 /NDF: 3419437.3/49

asym_bpm0r03WS_mean vs Slug



Right In: -417.331 ± 94.917 χ^2/NDF : 1078.3/21

Left Out: 718.705 ± 69.601 χ^2/NDF : 1018.5/24

Right Out: 332.630 ± 88.952 χ^2/NDF : 3640.2/26

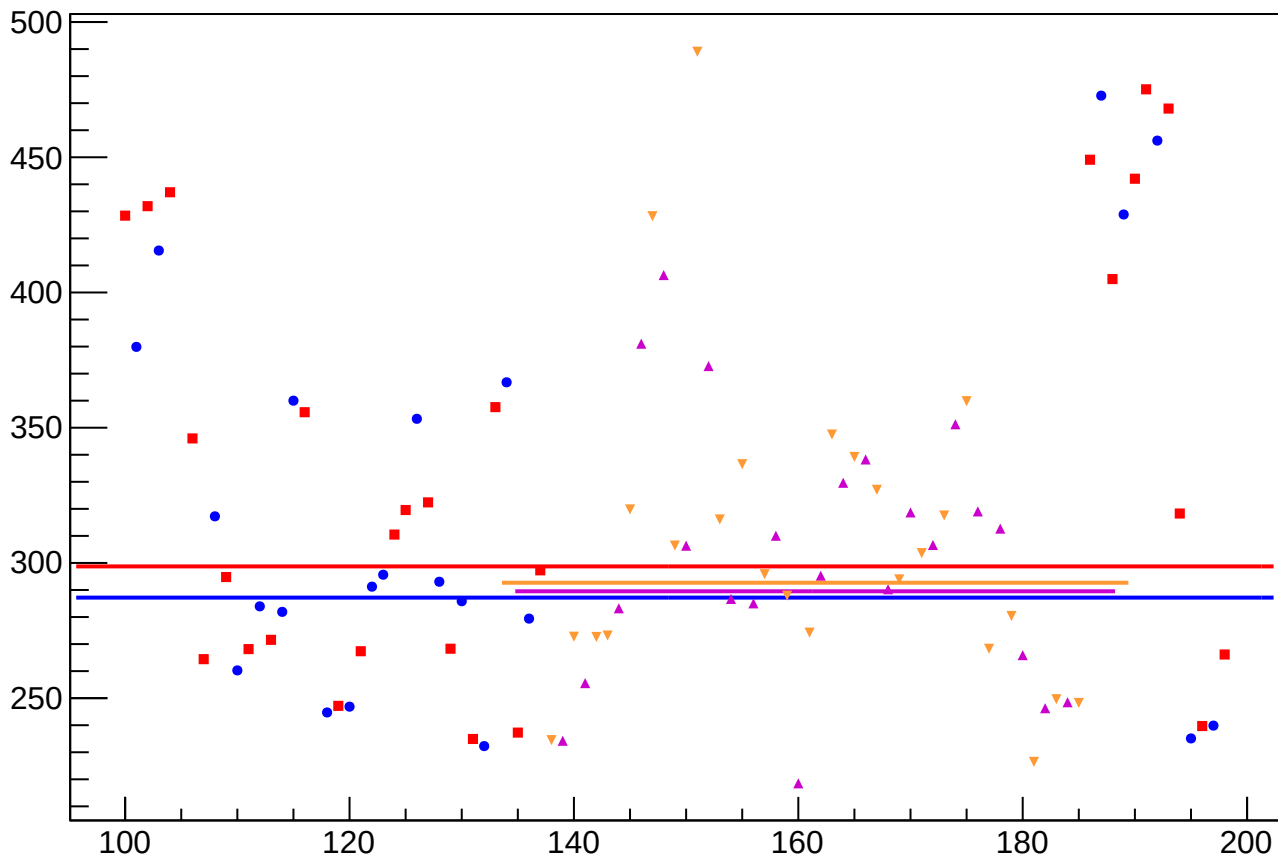
Left In: -304.161 ± 70.958 χ^2/NDF : 643.5/22

+ sign 321.458 ± 56.128 χ^2/NDF : 2190.0/46

All: 130.240 ± 39.454 χ^2/NDF : 6528.0/96

- sign -56.528 ± 55.471 χ^2/NDF : 4315.0/49

asym_bpm0r03WS_rms vs Slug



Right In: 287.183 ± 0.067 χ^2/NDF : 871751.7/21

Left Out: 292.686 ± 0.049 χ^2/NDF : 925193.6/24

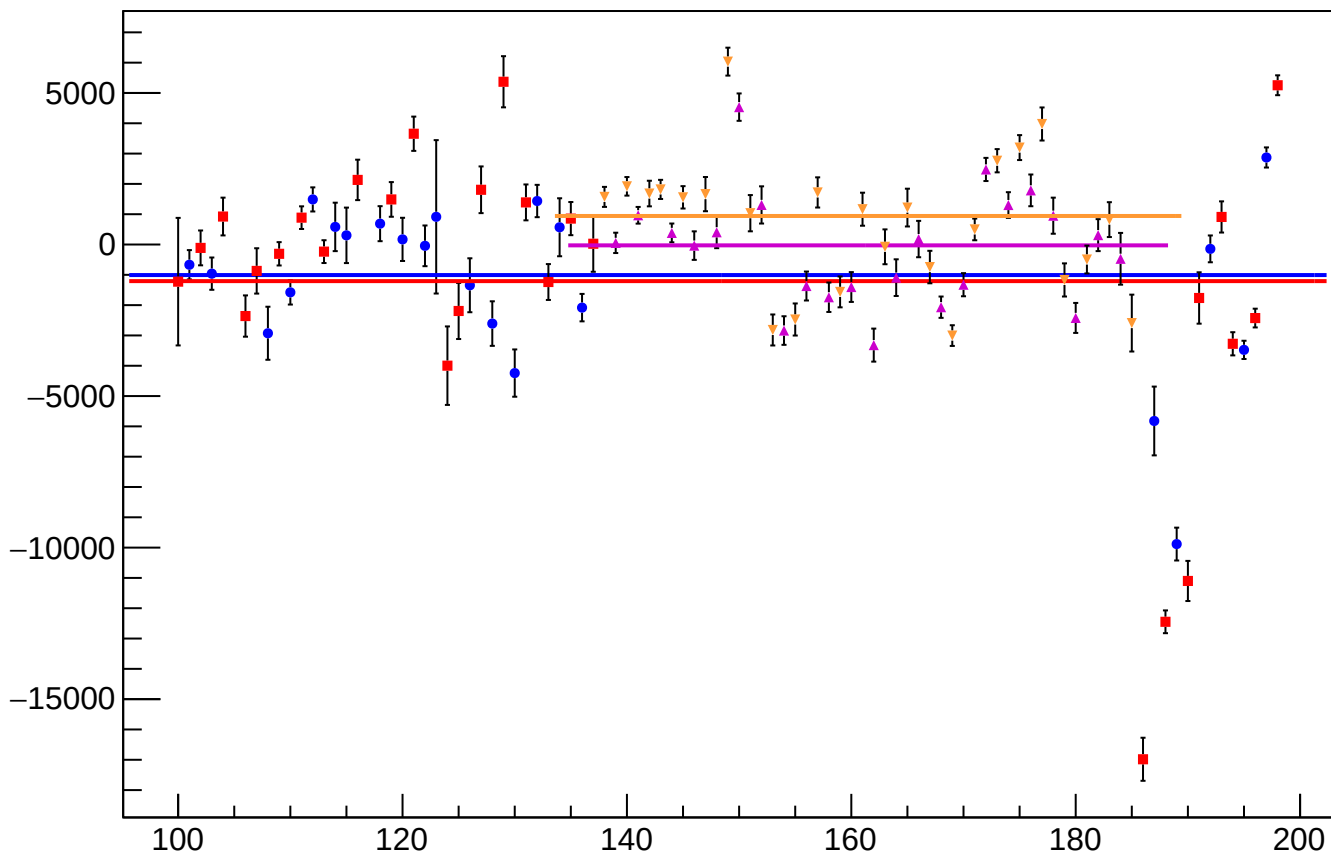
Right Out: 298.720 ± 0.063 χ^2/NDF : 1136962.5/26

Left In: 289.522 ± 0.050 χ^2/NDF : 777901.0/22

+ sign 290.762 ± 0.040 χ^2/NDF : 1801317.2/46

All: 291.944 ± 0.028 χ^2/NDF : 3731006.0/96

- sign 293.099 ± 0.039 χ^2/NDF : 1927934.4/49



Right In: -1007.785 ± 115.205 χ^2/NDF : 612.1/21

Left Out: 941.598 ± 89.119 χ^2/NDF : 544.6/24

Right Out: -1207.701 ± 101.343 χ^2/NDF : 2362.3/26

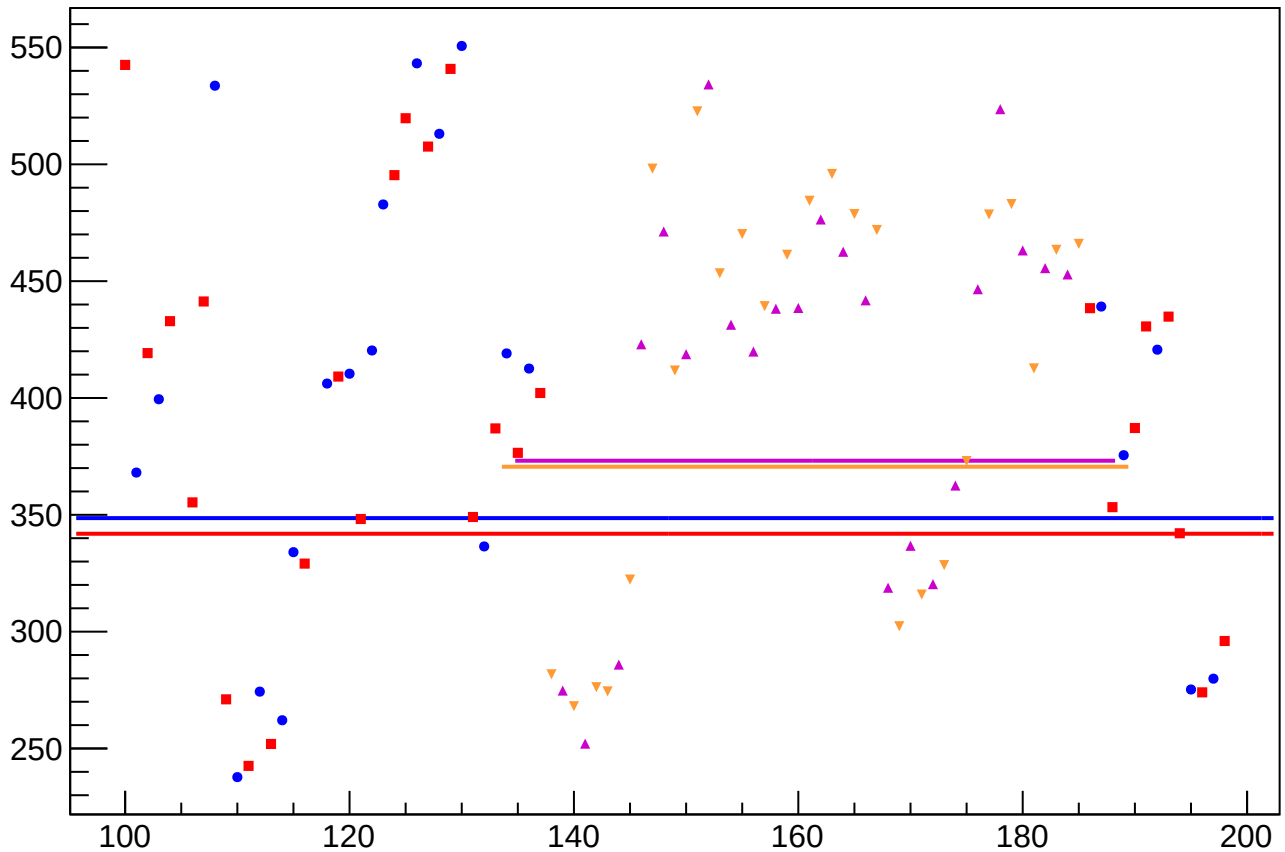
Left In: -27.763 ± 92.331 χ^2/NDF : 362.5/22

+ sign 211.791 ± 70.490 χ^2/NDF : 1335.8/46

All: -188.068 ± 49.034 χ^2/NDF : 4197.1/96

- sign -562.944 ± 68.252 χ^2/NDF : 2798.9/49

asym_bpm0r05WS_rms vs Slug



Right In: 348.595 $\pm$ 0.081 χ^2 /NDF: 1076480.6/21

Left Out: 370.580 $\pm$ 0.063 χ^2 /NDF:1878118.9/24

Right Out: 341.904 $\pm$ 0.072 χ^2 /NDF: 1090131.3/26

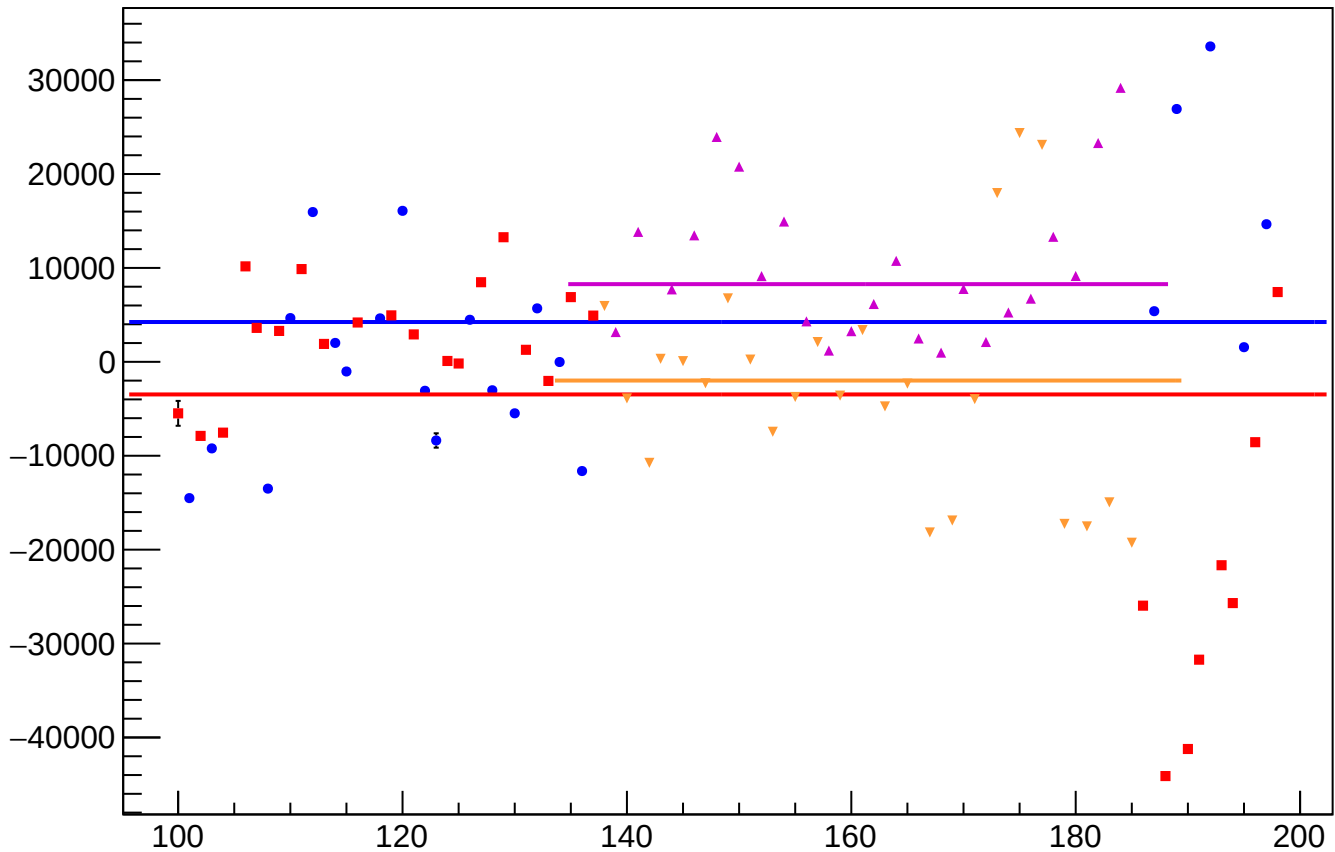
Left In: 373.161 $\pm$ 0.065 χ^2 /NDF:1636244.2/22

+ sign 362.349 $\pm$ 0.050 χ^2 /NDF: 3000166.7/46

All: 360.612 $\pm$ 0.035 χ^2 /NDF: 5832853.2/96

- sign 358.984 $\pm$ 0.048 χ^2 /NDF: 2830333.9/49

asym_bpm0i02WS_mean vs Slug



Right In: 4240.789+/-48.060 χ^2/NDF : 70934.3/21

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

+ sign 737.960+/-31.806 χ^2/NDF : 144152.6/46

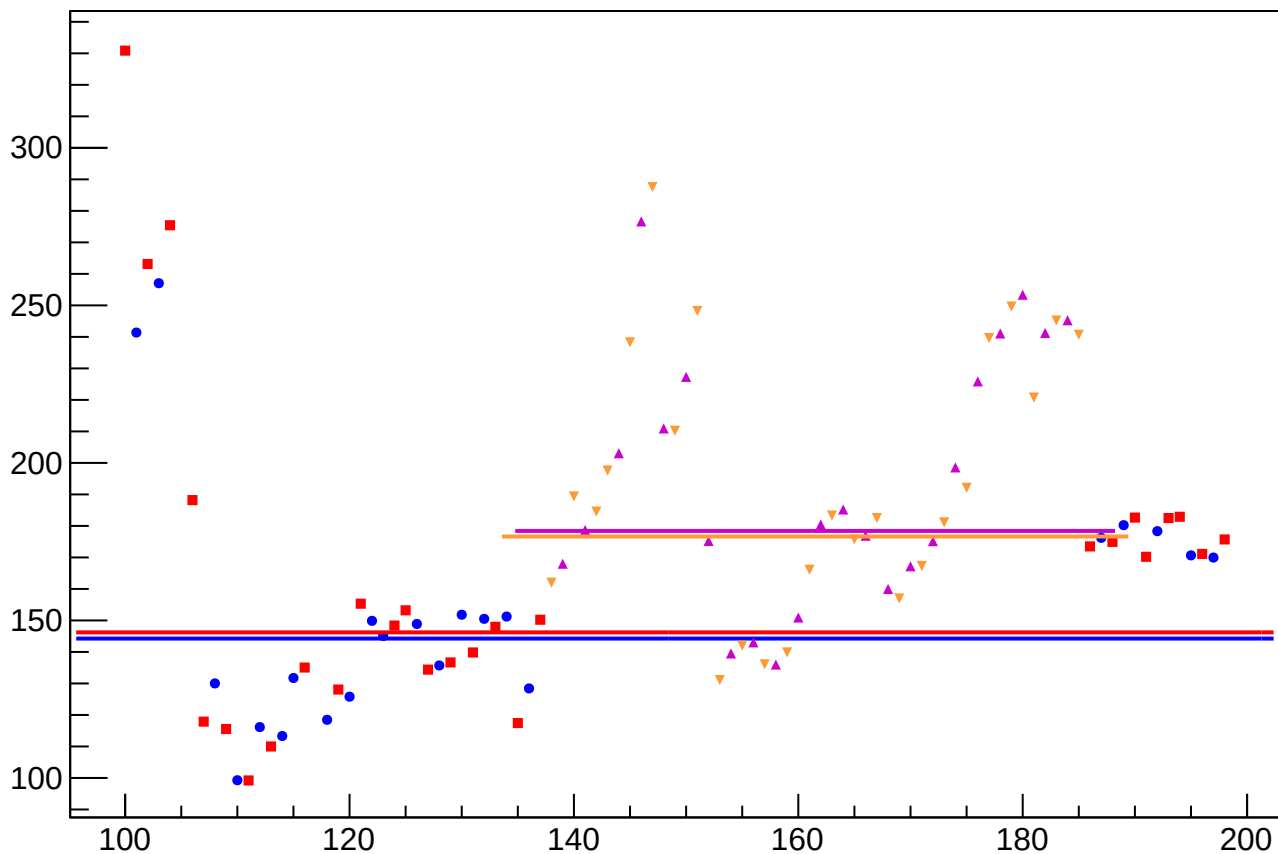
Right Out: -3471.578+/-43.661 χ^2/NDF : 130291.2/26

All: 1544.438+/-22.235 χ^2/NDF : 334225.5/96

- sign 2315.330+/-31.097 χ^2/NDF : 188815.4/49

Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

asym_bpm0i02WS_rms vs Slug



Right In: 144.251+/-0.034 χ^2/NDF : 899396.0/21

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 146.215+/-0.031 χ^2/NDF : 1270197.5/26

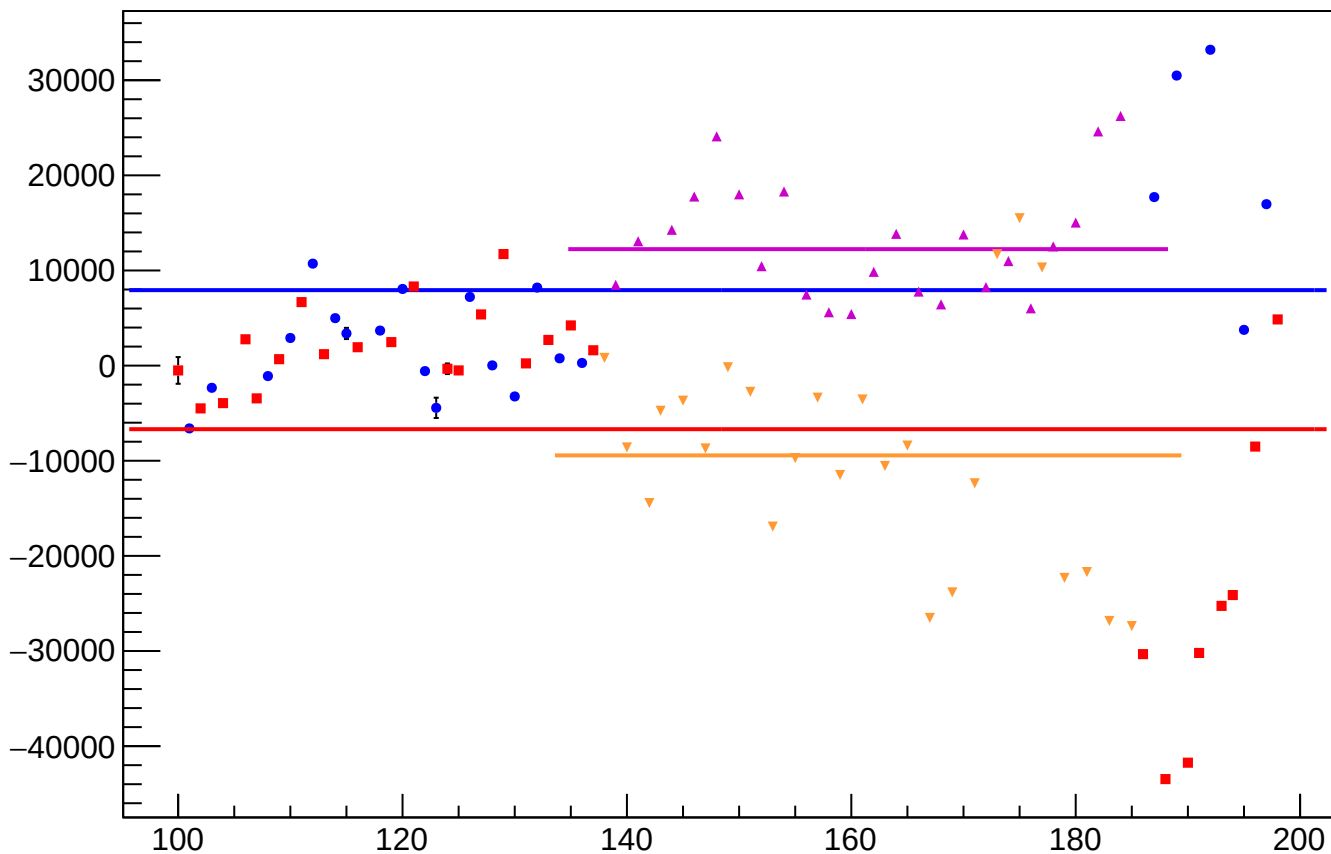
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 162.455+/-0.022 χ^2/NDF : 2960964.7/46

All: 162.263+/-0.016 χ^2/NDF : 6060976.7/96

- sign 162.080+/-0.022 χ^2/NDF : 3099869.8/49

asym_bpm0i02aWS_mean vs Slug



Right In: 7932.653+/-58.102 χ^2/NDF : 33338.7/21

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

+ sign -2828.336+/-35.840 χ^2/NDF : 150927.7/46

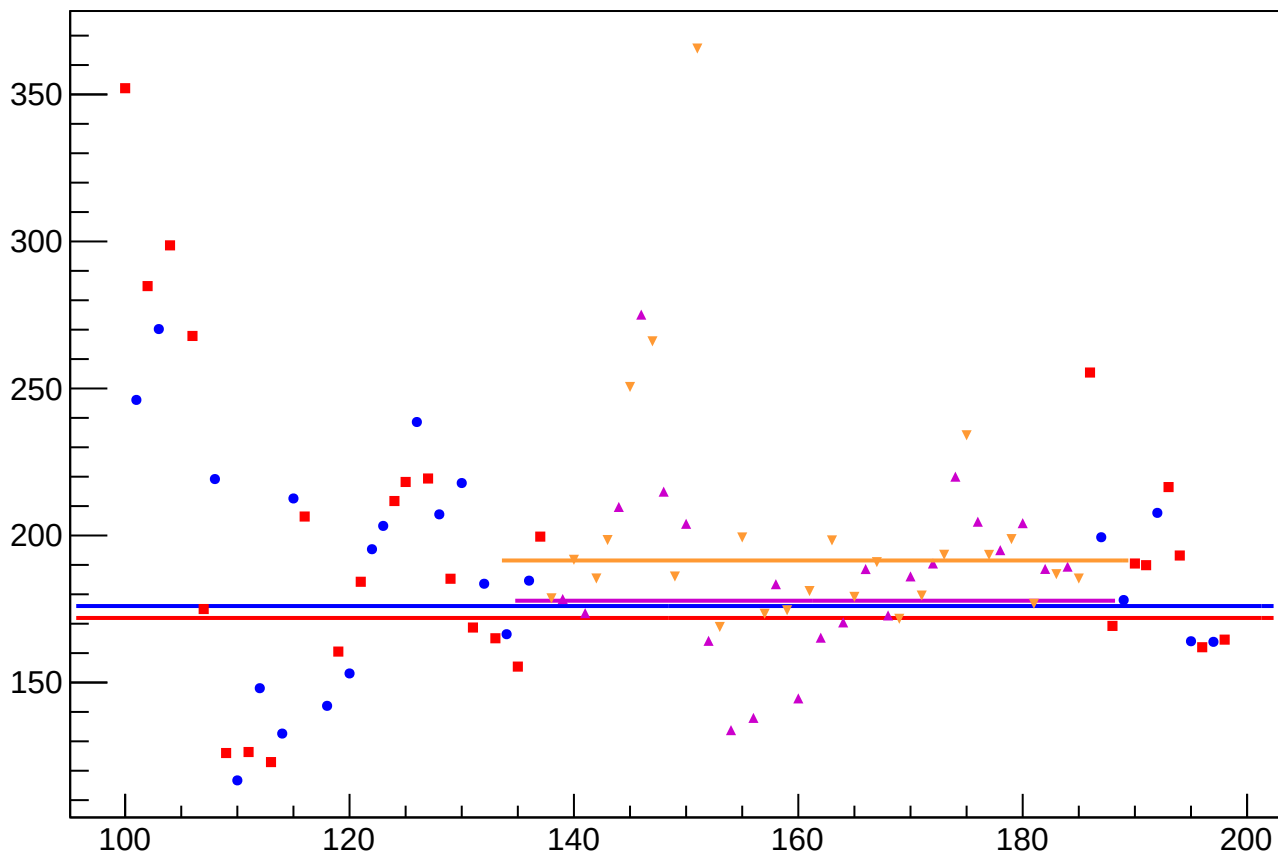
Right Out: -6682.746+/-51.116 χ^2/NDF : 100329.4/26

All: 940.930+/-24.404 χ^2/NDF : 367315.3/96

- sign 4199.416+/-33.323 χ^2/NDF : 195765.0/49

Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

asym_bpm0i02aWS_rms vs Slug



Right In: 176.010+/-0.041 χ^2/NDF : 750925.5/21

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 171.955+/-0.036 χ^2/NDF : 1123366.7/26

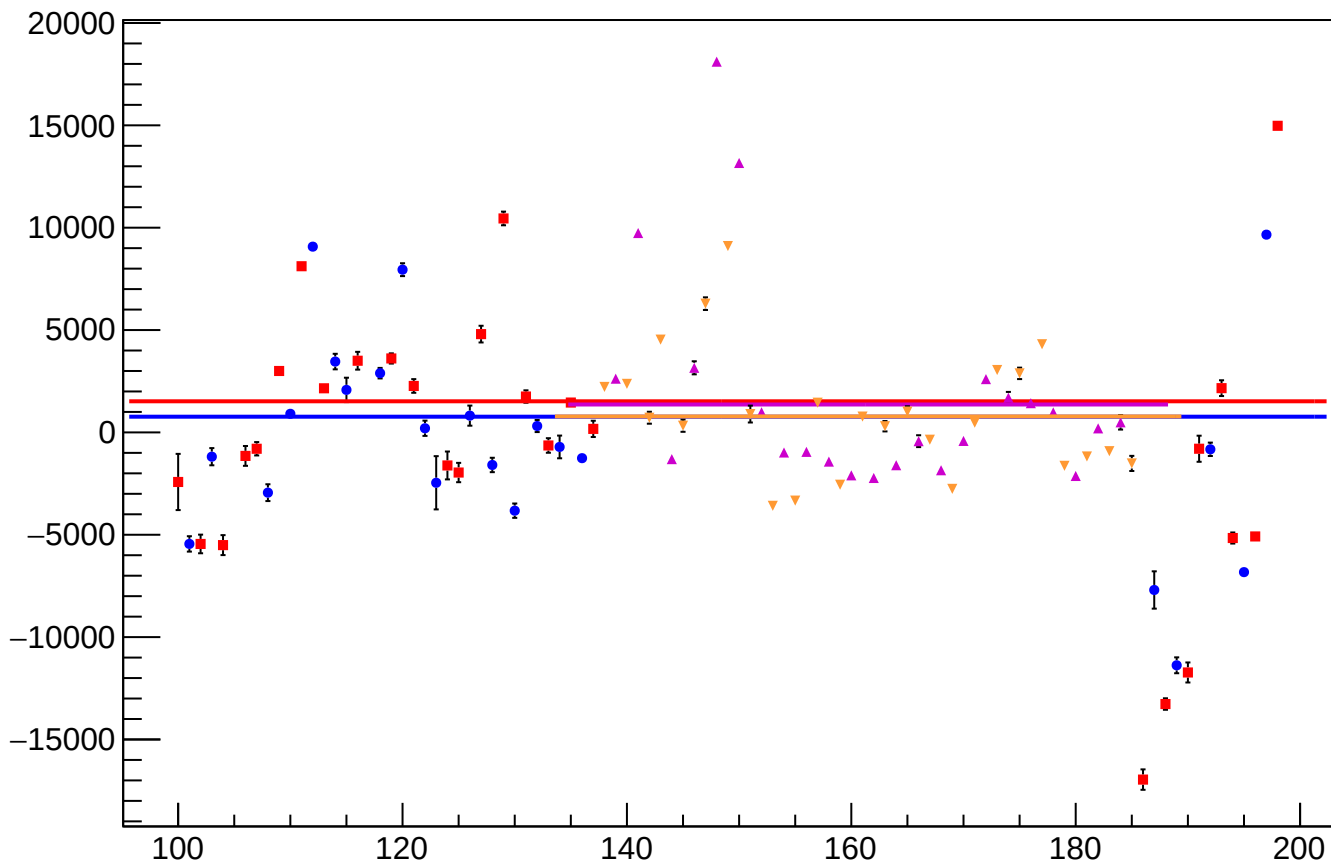
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 185.611+/-0.025 χ^2/NDF : 1566313.2/46

All: 180.096+/-0.017 χ^2/NDF : 3655612.7/96

- sign 175.328+/-0.024 χ^2/NDF : 2001008.3/49

asym_bpm0i05WS_mean vs Slug



Right In: 767.204 $\pm$ 65.545 χ^2 /NDF: 7071.7/21

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: 1519.582 $\pm$ 57.980 χ^2 /NDF: 13834.7/26

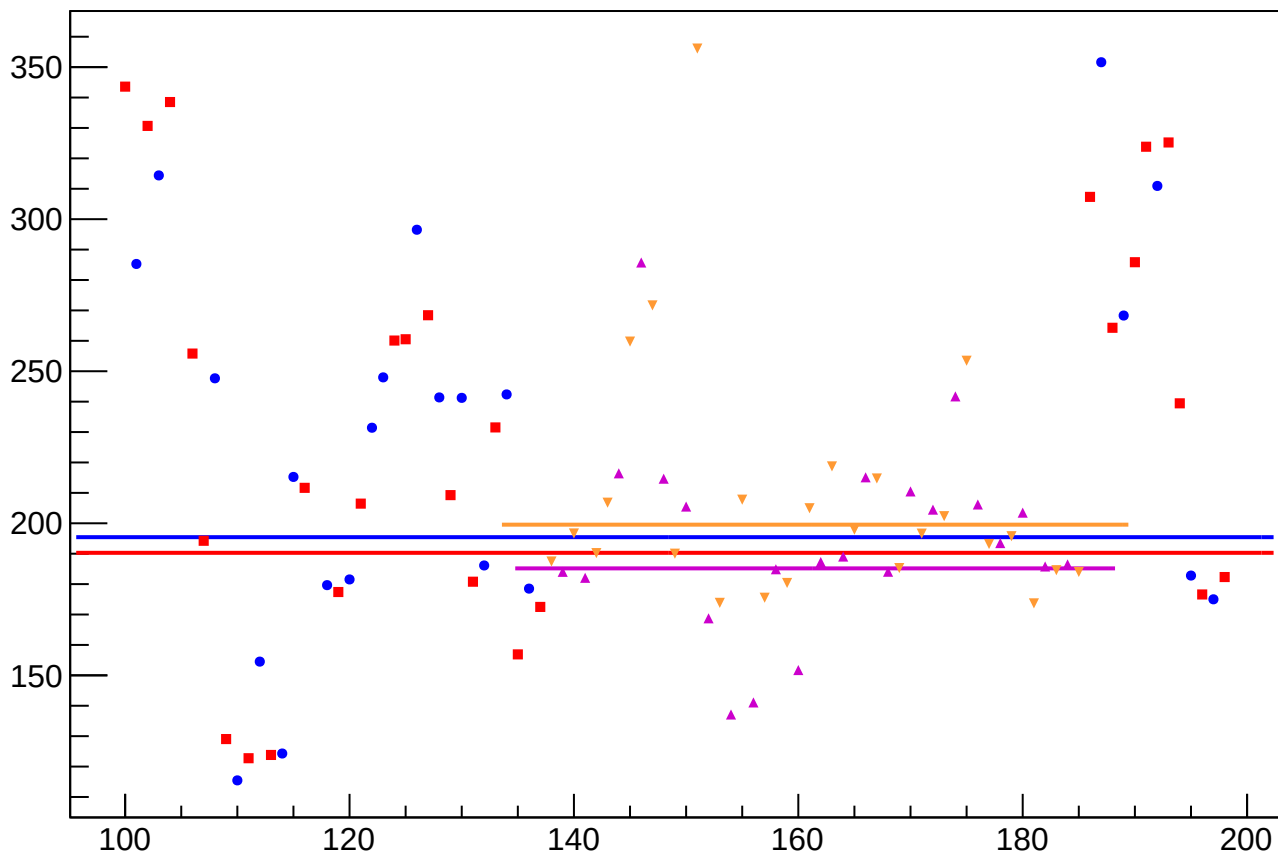
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

+ sign 775.588 $\pm$ 38.439 χ^2 /NDF: 11332.5/46

All: 1121.106 $\pm$ 26.254 χ^2 /NDF: 36956.1/96

- sign 1423.200 $\pm$ 35.943 χ^2 /NDF: 25472.1/49

asym_bpm0i05WS_rms vs Slug



Right In: 195.435 $\pm$ 0.046 χ^2 /NDF: 1394457.9/21

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 190.288 $\pm$ 0.041 χ^2 /NDF: 2127451.8/26

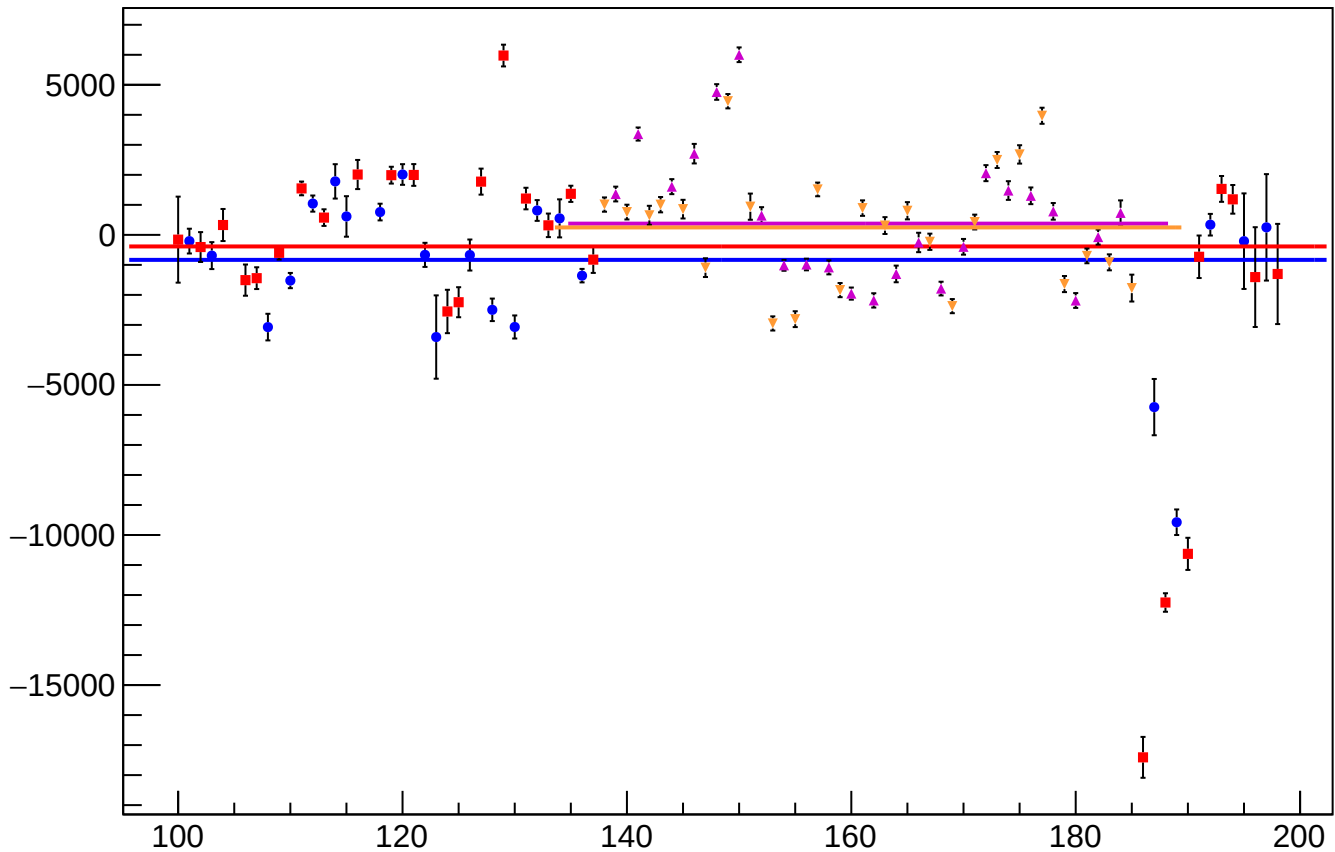
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 198.133 $\pm$ 0.027 χ^2 /NDF: 2128978.1/46

All: 192.266 $\pm$ 0.019 χ^2 /NDF: 5236082.7/96

- sign 187.137 $\pm$ 0.025 χ^2 /NDF: 3019796.2/49

asym_bpm0i07WS_mean vs Slug



Right In: -832.754 ± 83.944 χ^2/NDF : 760.0/21

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -385.536 ± 75.263 χ^2/NDF : 3162.5/26

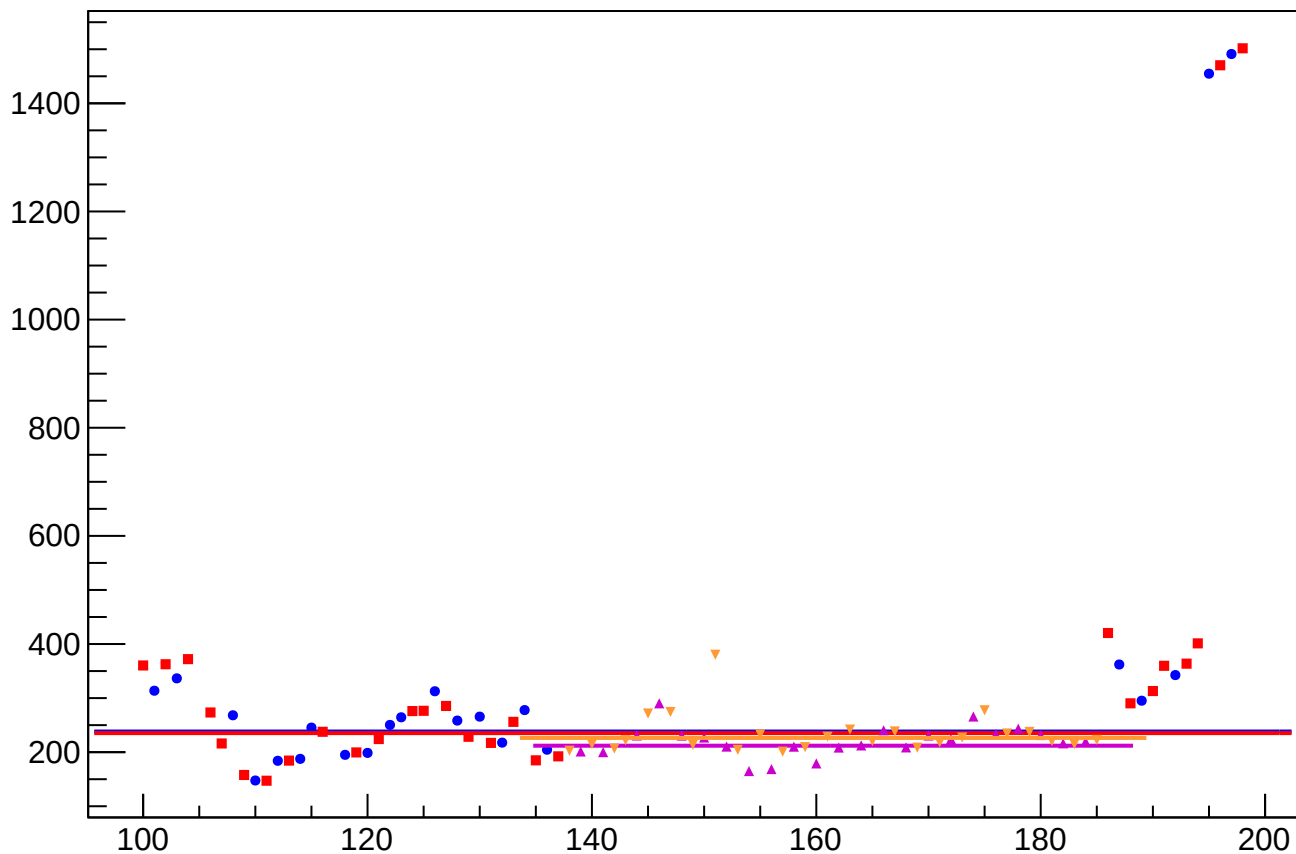
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -64.750 ± 45.149 χ^2/NDF : 2232.8/46

All: 36.934 ± 31.065 χ^2/NDF : 7274.9/96

- sign 128.351 ± 42.809 χ^2/NDF : 5032.4/49

asym_bpm0i07WS_rms vs Slug



Right In: 238.192 $\pm$ 0.059 χ^2 /NDF: 3123082.0/21

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 235.260 $\pm$ 0.053 χ^2 /NDF: 4067046.2/26

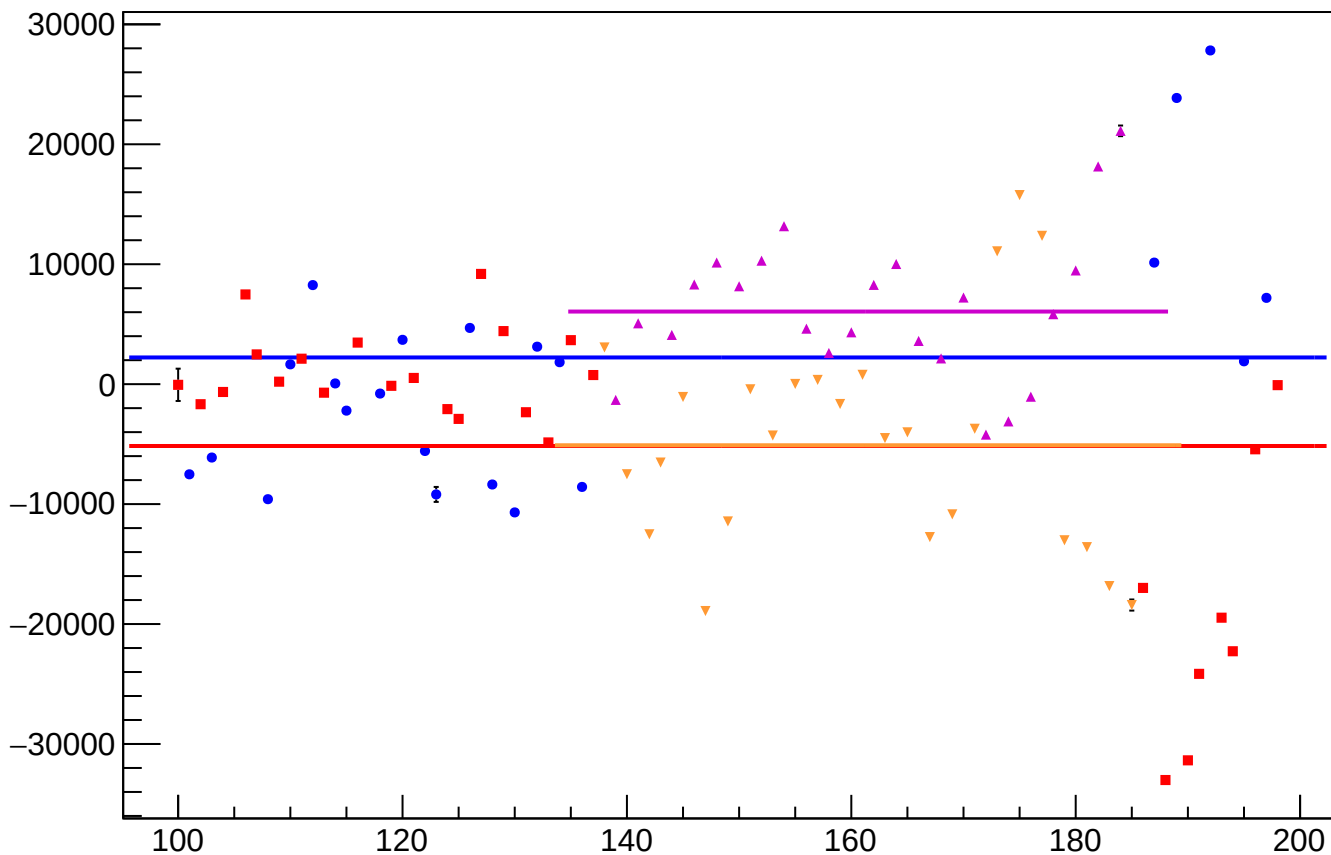
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 229.756 $\pm$ 0.032 χ^2 /NDF: 3672545.8/46

All: 224.358 $\pm$ 0.022 χ^2 /NDF: 8507777.3/96

- sign 219.505 $\pm$ 0.030 χ^2 /NDF: 4780946.7/49

asym_bpm1i02WS_mean vs Slug



Right In: 2226.329+/-40.889 χ^2/NDF : 67216.7/21

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

+ sign -2133.339+/-26.007 χ^2/NDF : 140703.5/46

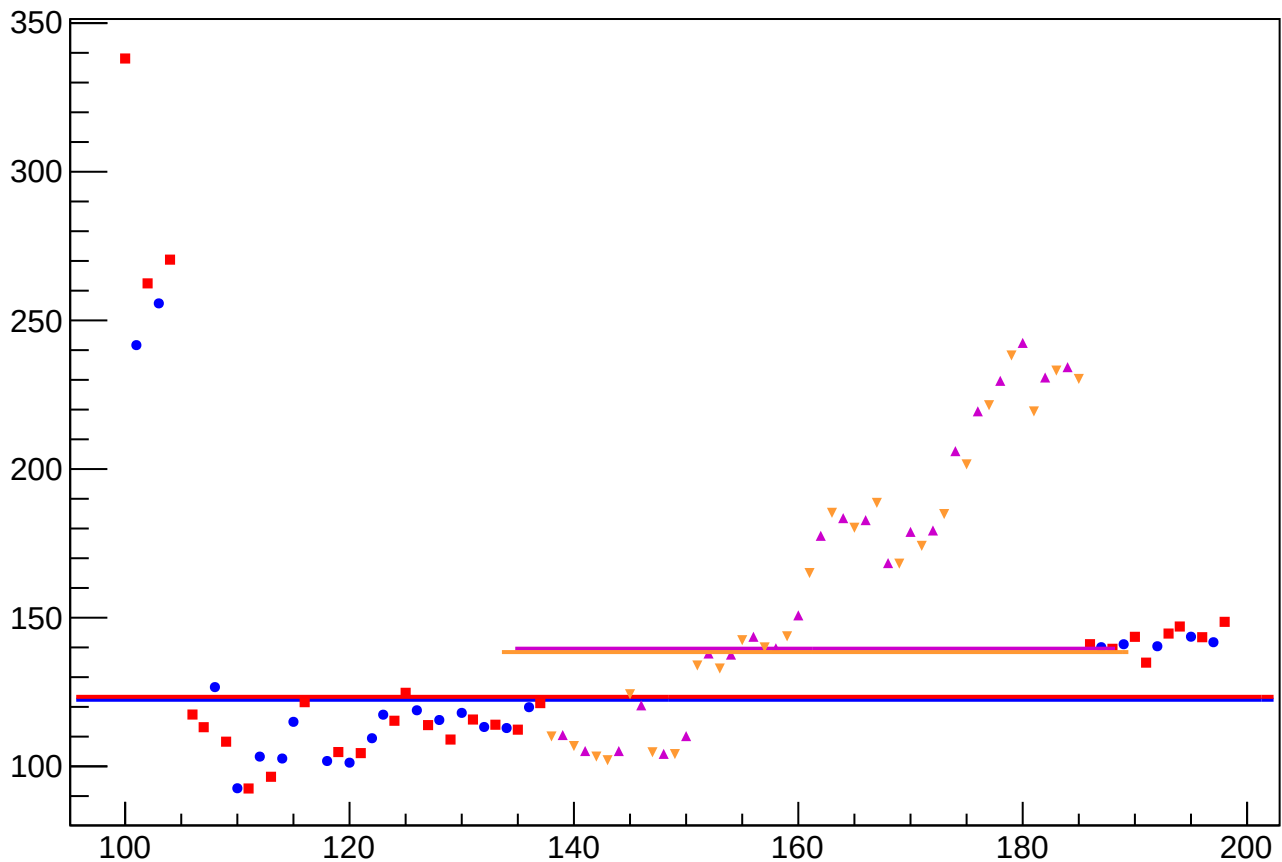
Right Out: -5155.853+/-36.799 χ^2/NDF : 100652.6/26

All: -665.683+/-18.157 χ^2/NDF : 313879.7/96

- sign 729.819+/-25.360 χ^2/NDF : 166963.5/49

Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

asym_bpm1i02WS_rms vs Slug



Right In: 122.395+/-0.029 χ^2/NDF : 896815.7/21

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 123.385+/-0.026 χ^2/NDF : 1099476.3/26

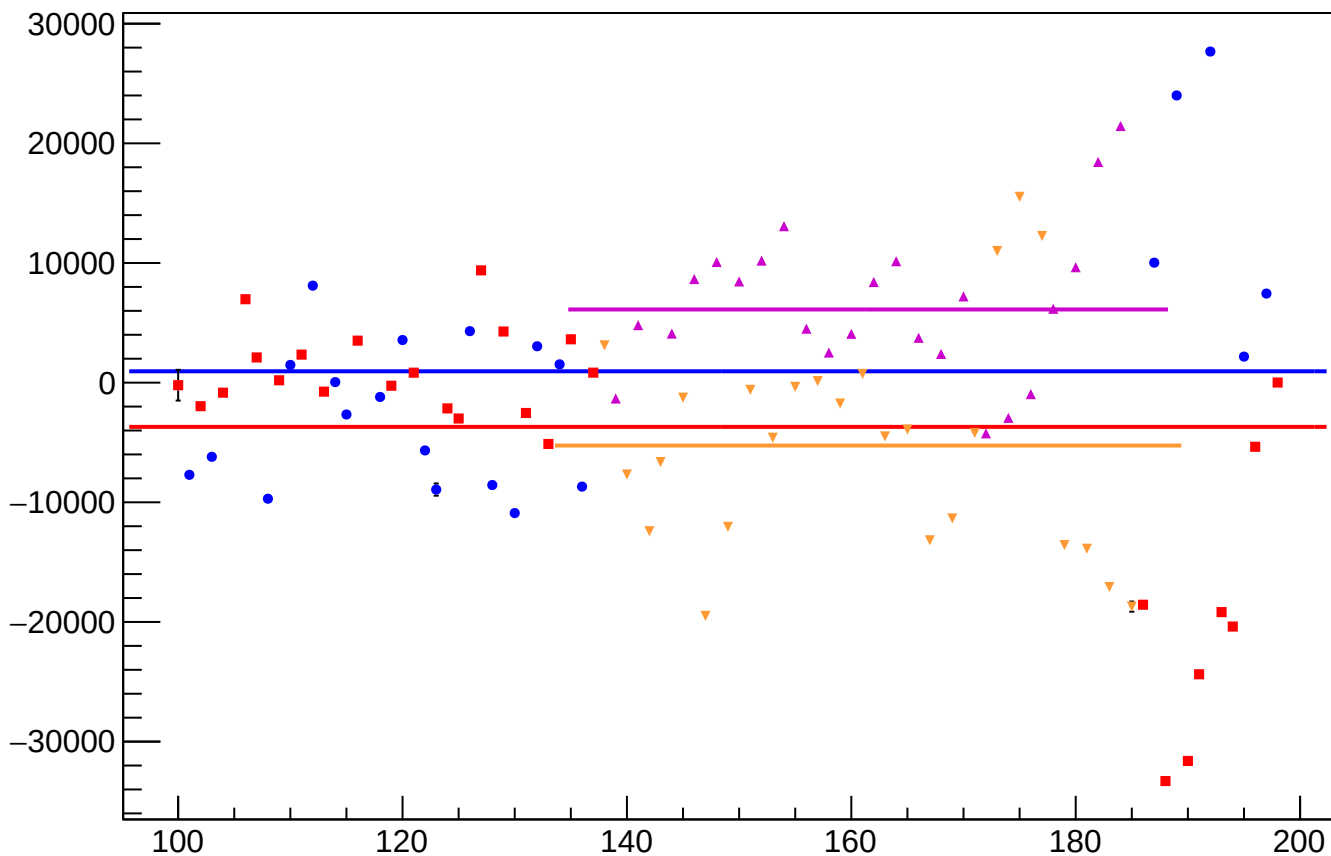
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 131.946+/-0.018 χ^2/NDF : 3629520.6/46

All: 131.916+/-0.013 χ^2/NDF : 7346002.6/96

- sign 131.887+/-0.018 χ^2/NDF : 3716476.7/49

asym_bpm1i04WS_mean vs Slug



Right In: 949.476+/-35.939 χ^2/NDF : 72413.0/21

Left Out: -5255.652+/-30.622 χ^2/NDF : 64324.6/24

Right Out: -3696.838+/-32.735 χ^2/NDF : 107617.7/26

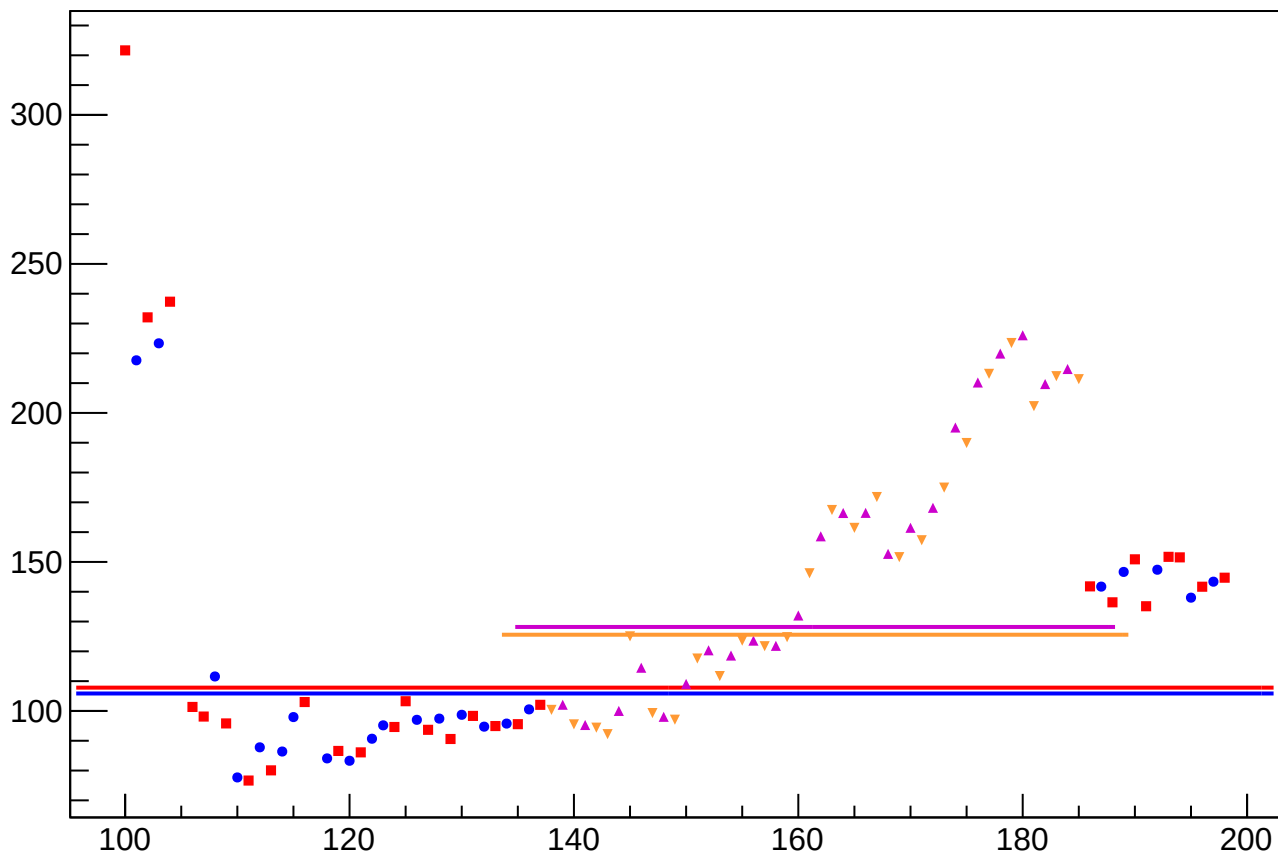
Left In: 6114.901+/-32.126 χ^2/NDF : 21260.9/22

+ sign -2645.656+/-23.309 χ^2/NDF : 154008.9/46

All: -639.810+/-16.346 χ^2/NDF : 343223.4/96

- sign 1301.176+/-22.929 χ^2/NDF : 174642.6/49

asym_bpm1i04WS_rms vs Slug



Right In: 105.859+/-0.025 χ^2/NDF : 1341244.0/21

Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24

Right Out: 107.822+/-0.023 χ^2/NDF : 1736163.7/26

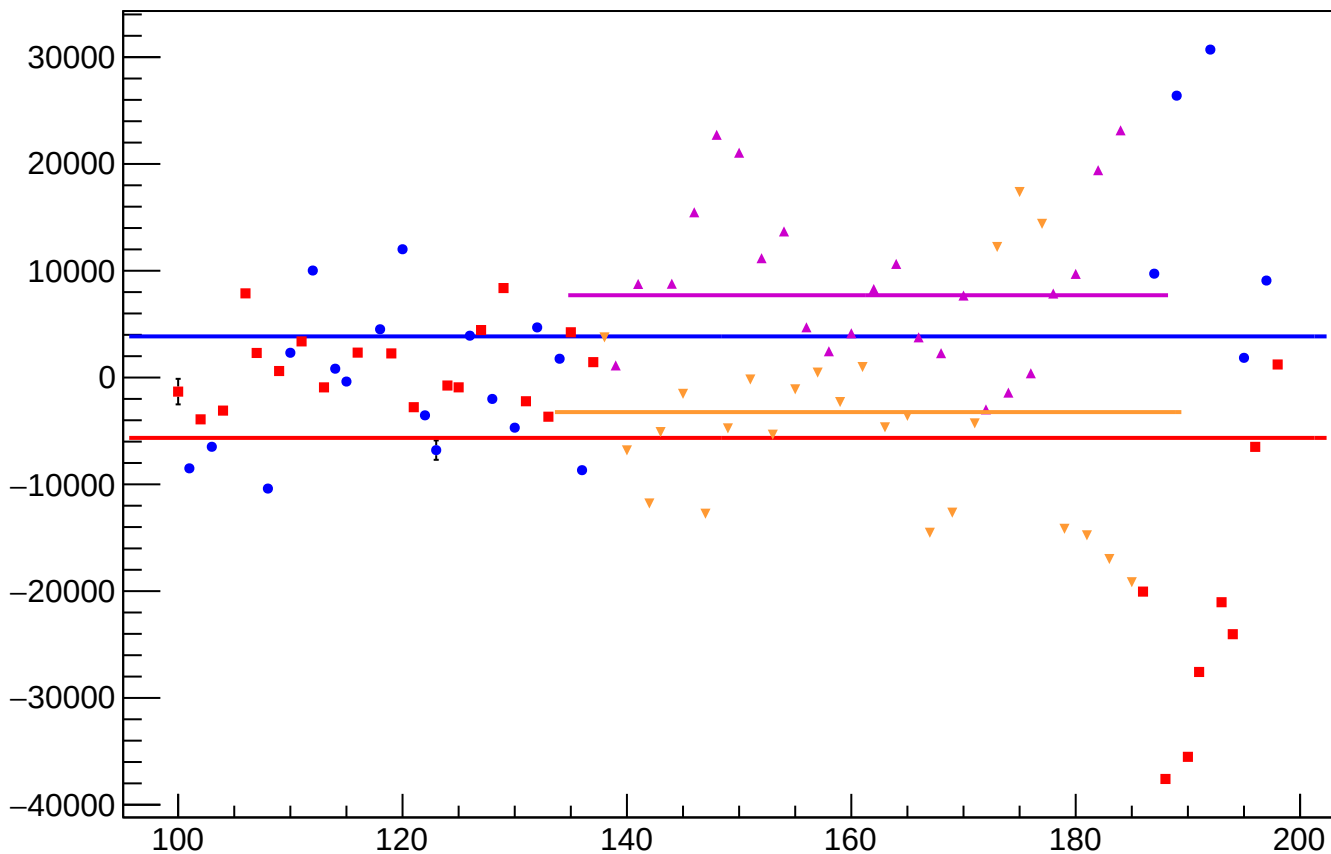
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 117.283+/-0.016 χ^2/NDF : 4285820.0/46

All: 117.746+/-0.012 χ^2/NDF : 8750676.0/96

- sign 118.194+/-0.016 χ^2/NDF : 4463303.4/49

asym_bpm1i06WS_mean vs Slug



Right In: 3852.978 ± 47.923 $\chi^2/\text{NDF}: 53039.4/21$

Left Out: -3234.922 ± 40.583 $\chi^2/\text{NDF}: 36739.9/24$

Right Out: -5650.659 ± 43.415 $\chi^2/\text{NDF}: 89910.4/26$

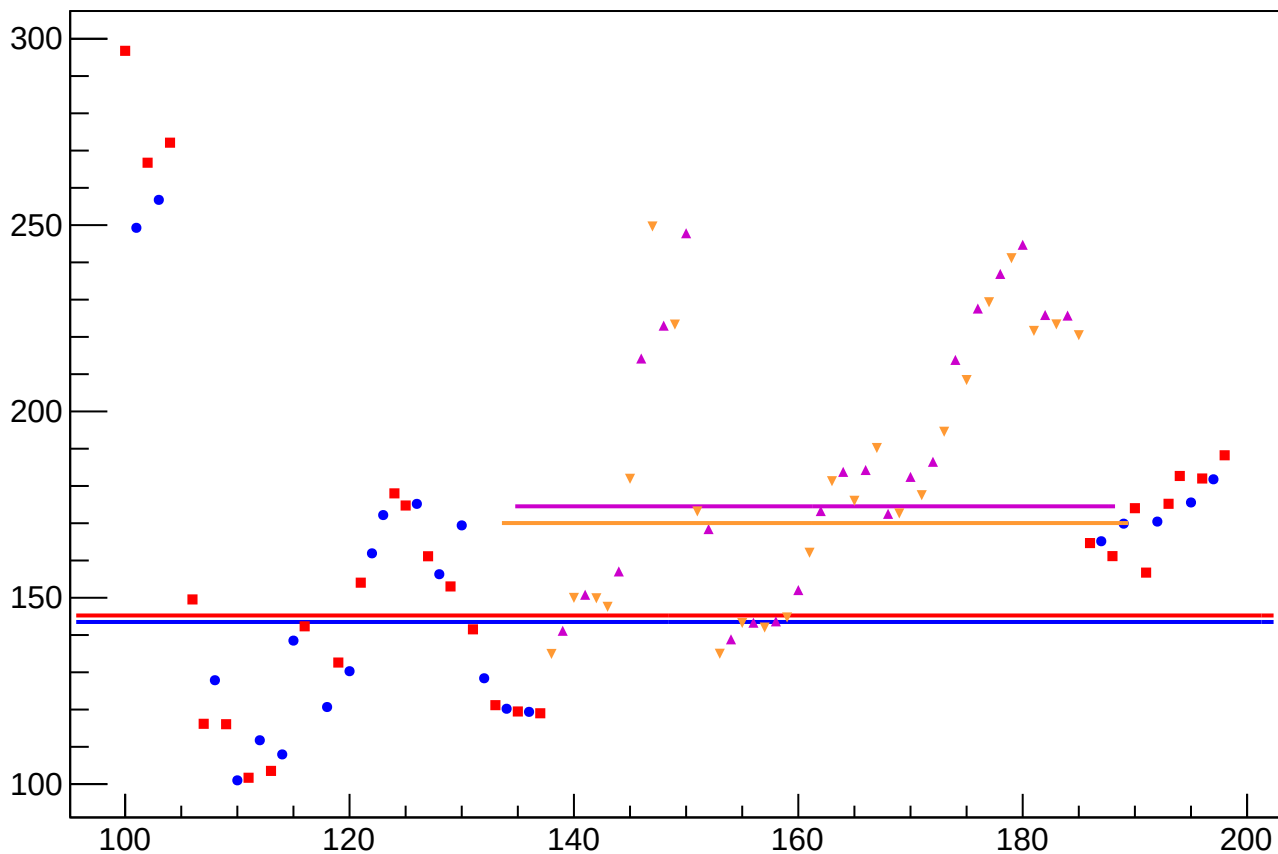
Left In: 7707.068 ± 42.990 $\chi^2/\text{NDF}: 21268.3/22$

+ sign -274.824 ± 30.970 $\chi^2/\text{NDF}: 102518.6/46$

All: 418.952 ± 21.748 $\chi^2/\text{NDF}: 262485.0/96$

- sign 1093.936 ± 30.548 $\chi^2/\text{NDF}: 158976.4/49$

asym_bpm1i06WS_rms vs Slug



Right In: 143.503 ± 0.034 χ^2/NDF : 1035955.5/21

Left Out: 170.050 ± 0.029 χ^2/NDF : 1240866.9/24

Right Out: 145.246 ± 0.031 χ^2/NDF : 1302148.8/26

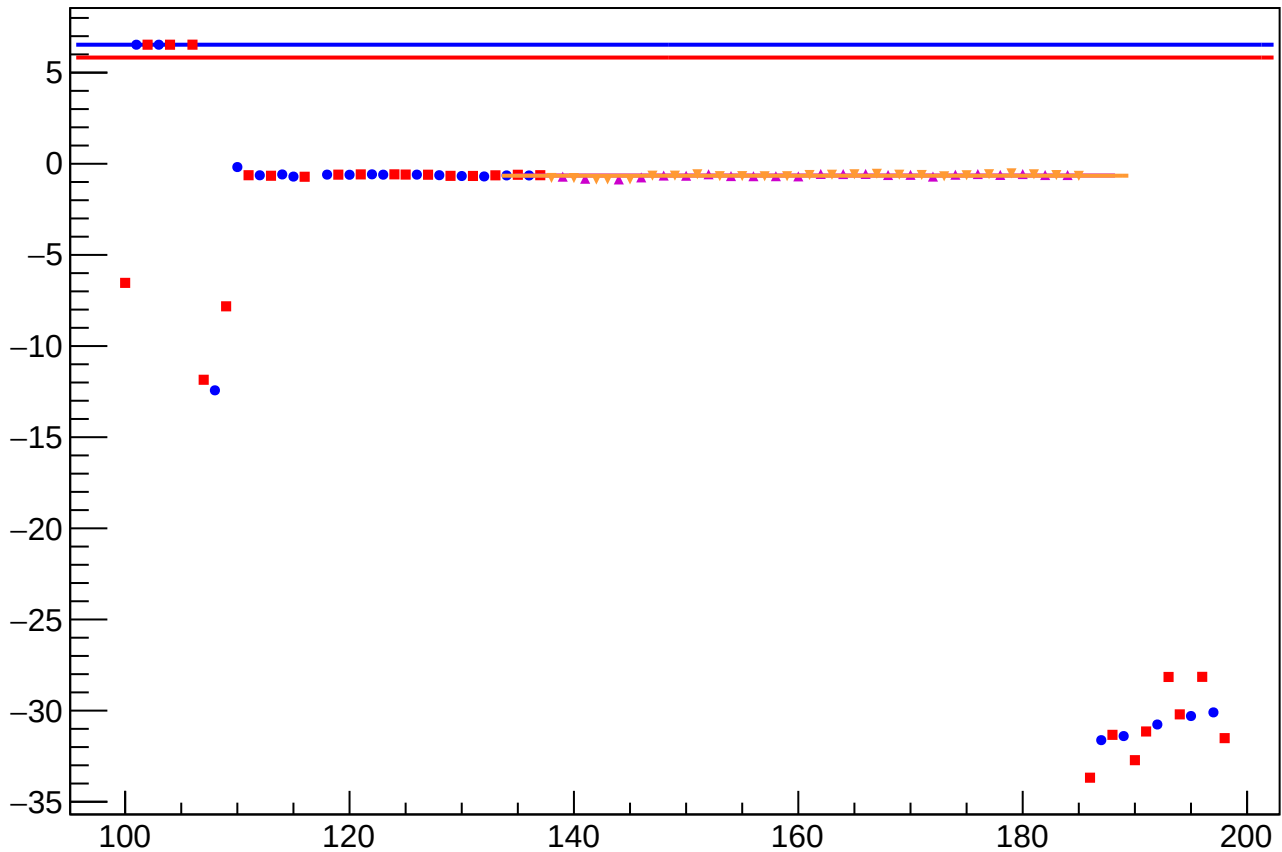
Left In: 174.539 ± 0.030 χ^2/NDF : 1210071.2/22

+ sign 158.963 ± 0.022 χ^2/NDF : 2634220.3/46

All: 159.507 ± 0.015 χ^2/NDF : 5607398.0/96

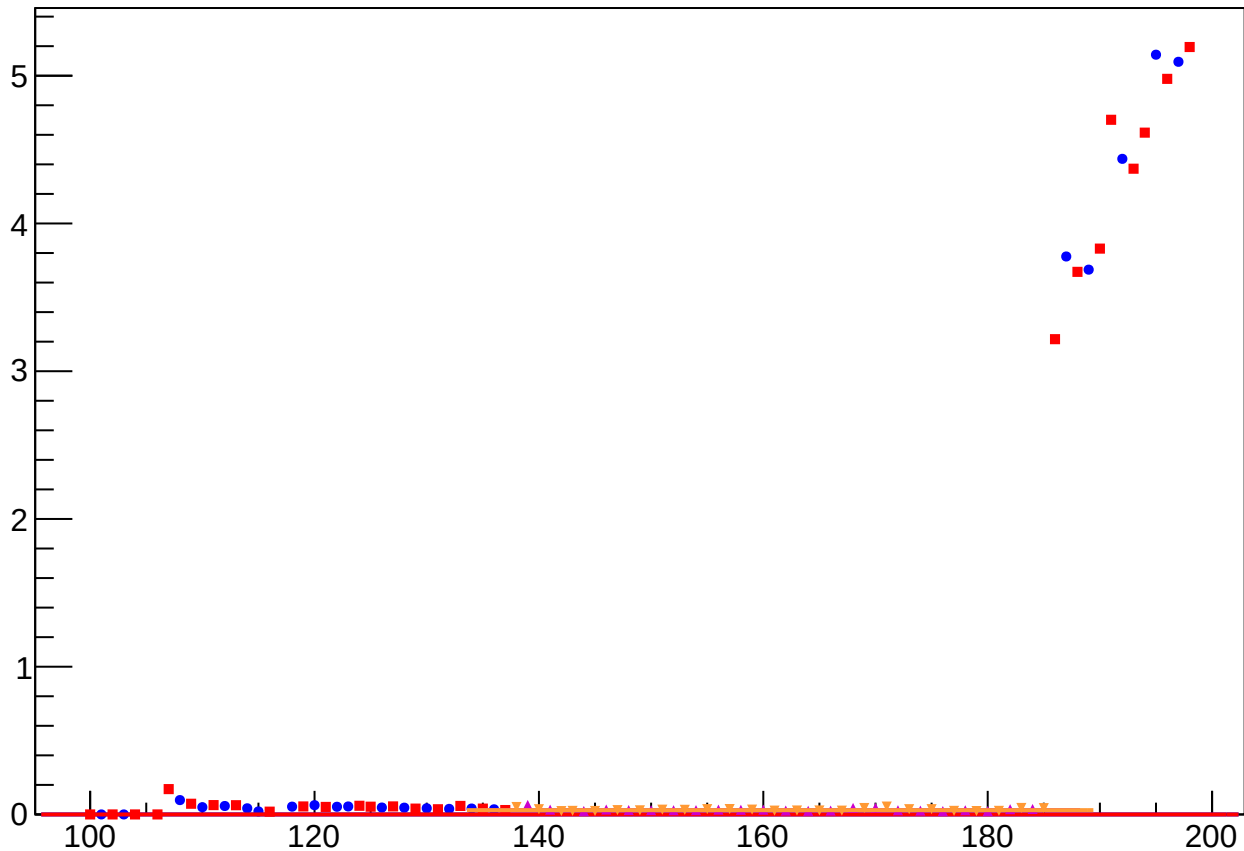
- sign 160.037 ± 0.022 χ^2/NDF : 2971959.6/49

yield_cav4bX_mean vs Slug



Right In: 6.532+/-0.000	χ^2/NDF : 127769063985.6/21	+ sign 6.530+/-0.000	χ^2/NDF : 999158354170.1/46
Left Out: -0.654+/-0.000	χ^2/NDF : 179109810.4/24	All: 6.153+/-0.000	χ^2/NDF : 77760198863724
Right Out: 5.827+/-0.000	χ^2/NDF : 755947680056508.2/26	- sign 5.826+/-0.000	χ^2/NDF : 756619024663950.4/
Left In: -0.644+/-0.000	χ^2/NDF : 122913584.0/22		

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15017135.1/21

Left Out: 0.029+/-0.000 χ^2/NDF : 1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 19144901.5/26

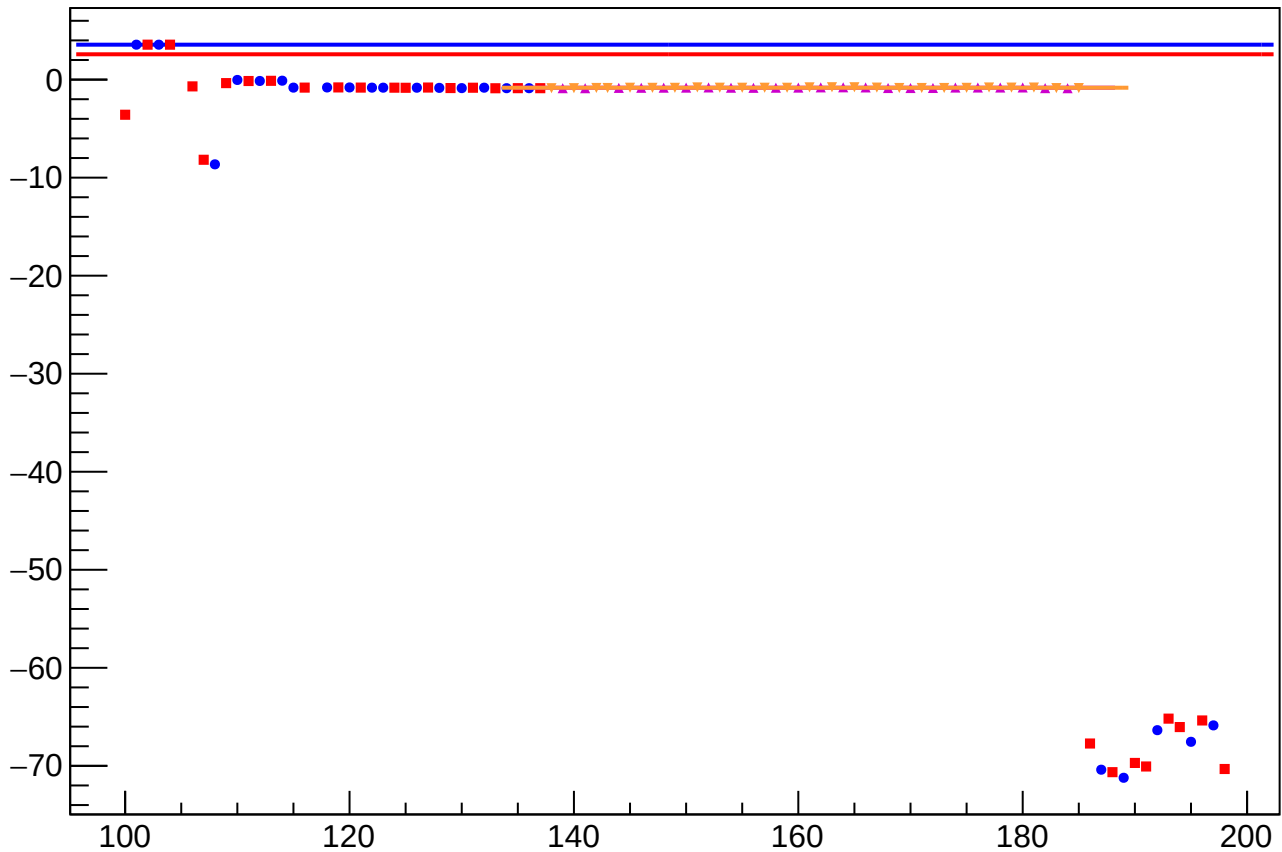
Left In: 0.029+/-0.000 χ^2/NDF : 1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 44888537.3/46

All: 0.000+/-0.000 χ^2/NDF : 91999817.4/96

- sign 0.000+/-0.000 χ^2/NDF : 47110597.4/49

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 496487965653.5/21

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253522282387404.2/26

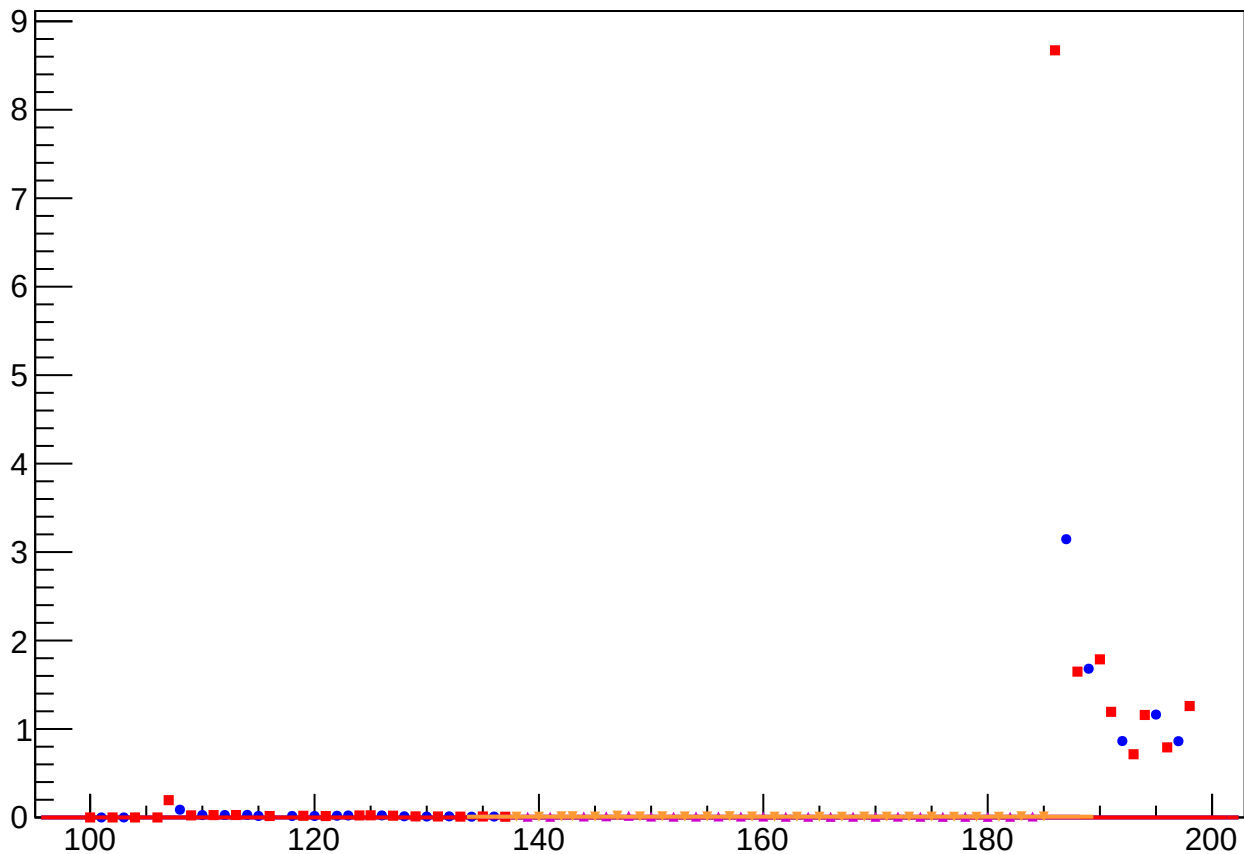
Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560+/-0.000 χ^2/NDF : 4178644295224.6/46

All: 3.038+/-0.000 χ^2/NDF : 13879764955373

- sign 2.581+/-0.000 χ^2/NDF : 1255722334719842.5

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14752089.1/21

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 18304994.0/26

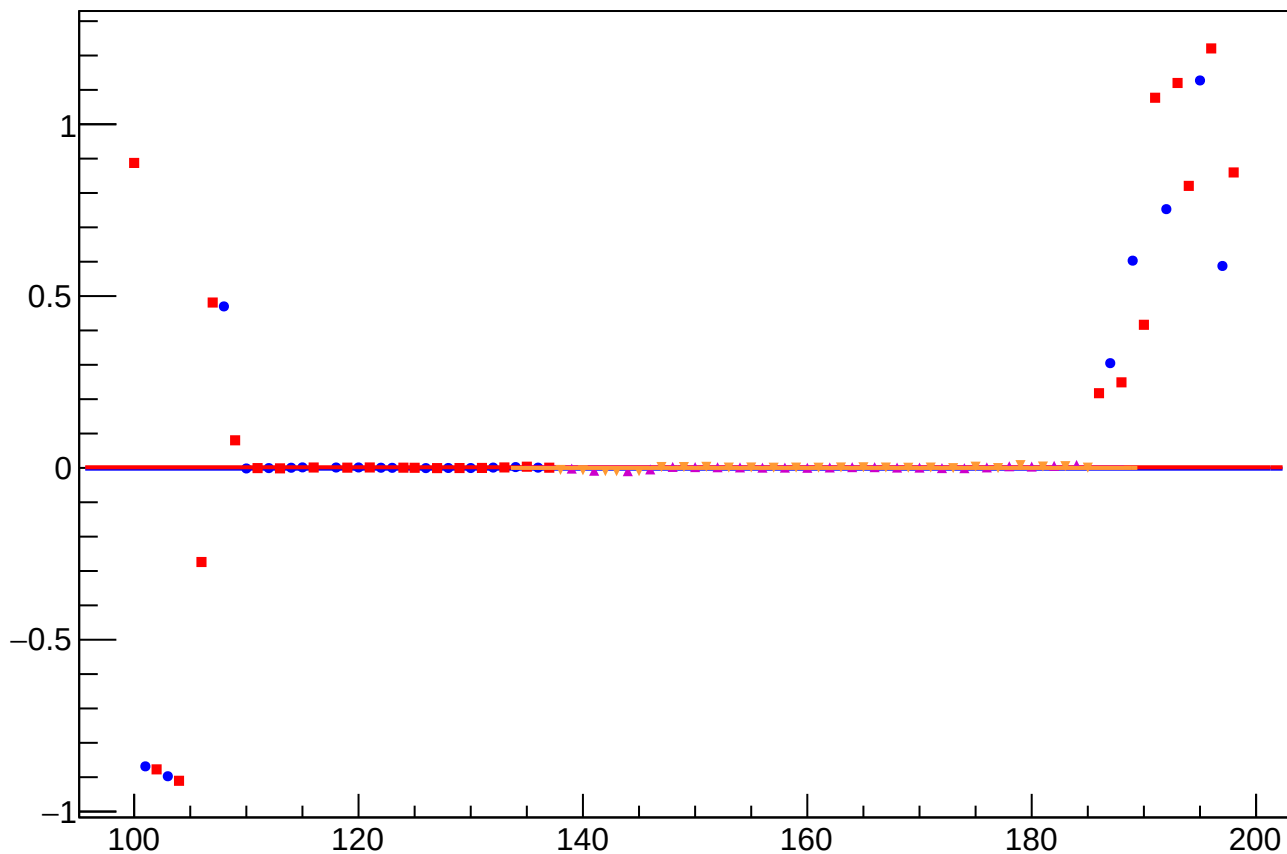
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 46160916.3/46

All: 0.000+/-0.000 χ^2/NDF : 94012559.2/96

- sign 0.000+/-0.000 χ^2/NDF : 47850522.7/49

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9796097590.1/21$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 151482851.1/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3042481402.7/26$

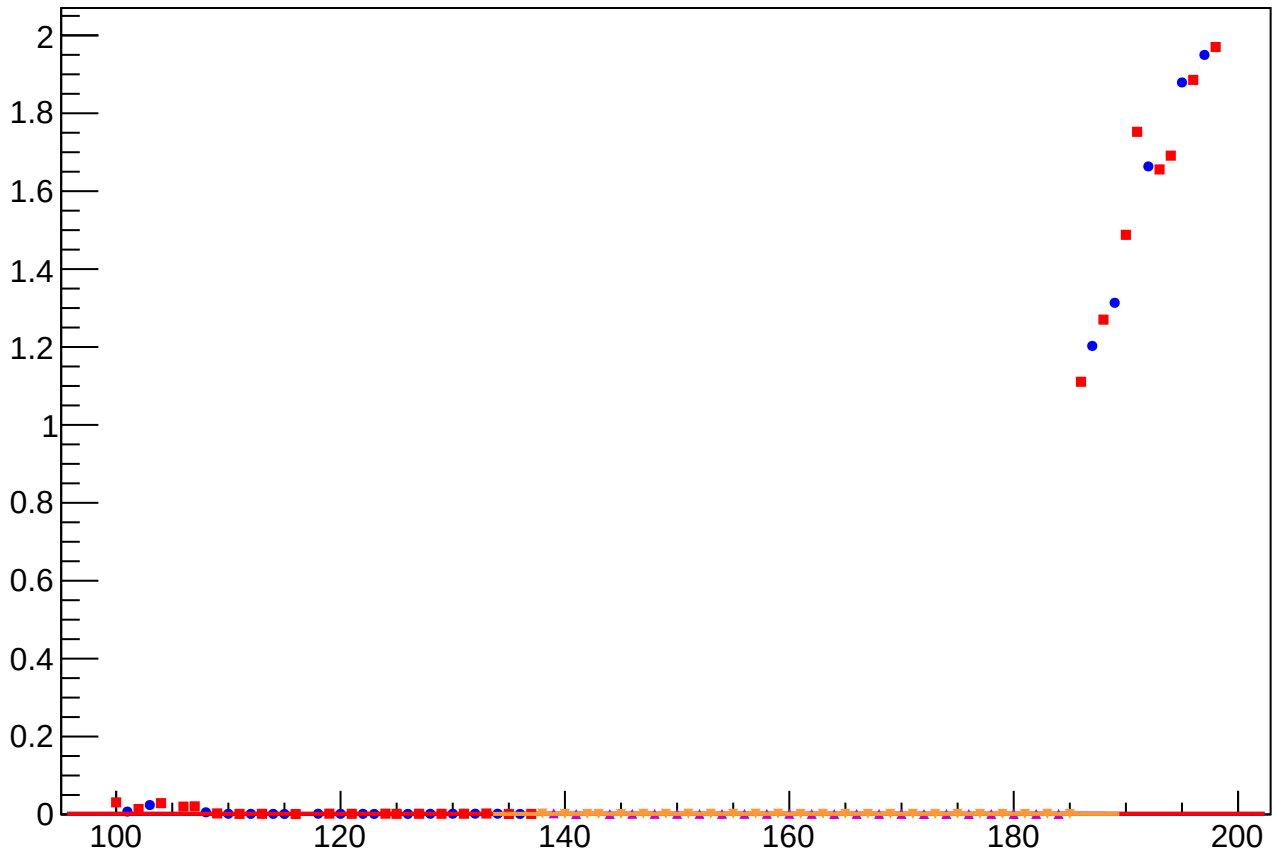
Left In: 0.001 ± 0.000 $\chi^2/\text{NDF}: 101439617.3/22$

+ sign -0.001 ± 0.000 $\chi^2/\text{NDF}: 9954116601.2/46$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13107585195.8/9$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 3145887199.2/49$

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 7891574.1/21

Left Out: 0.001+/-0.000 χ^2/NDF : 539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 12794072.9/26

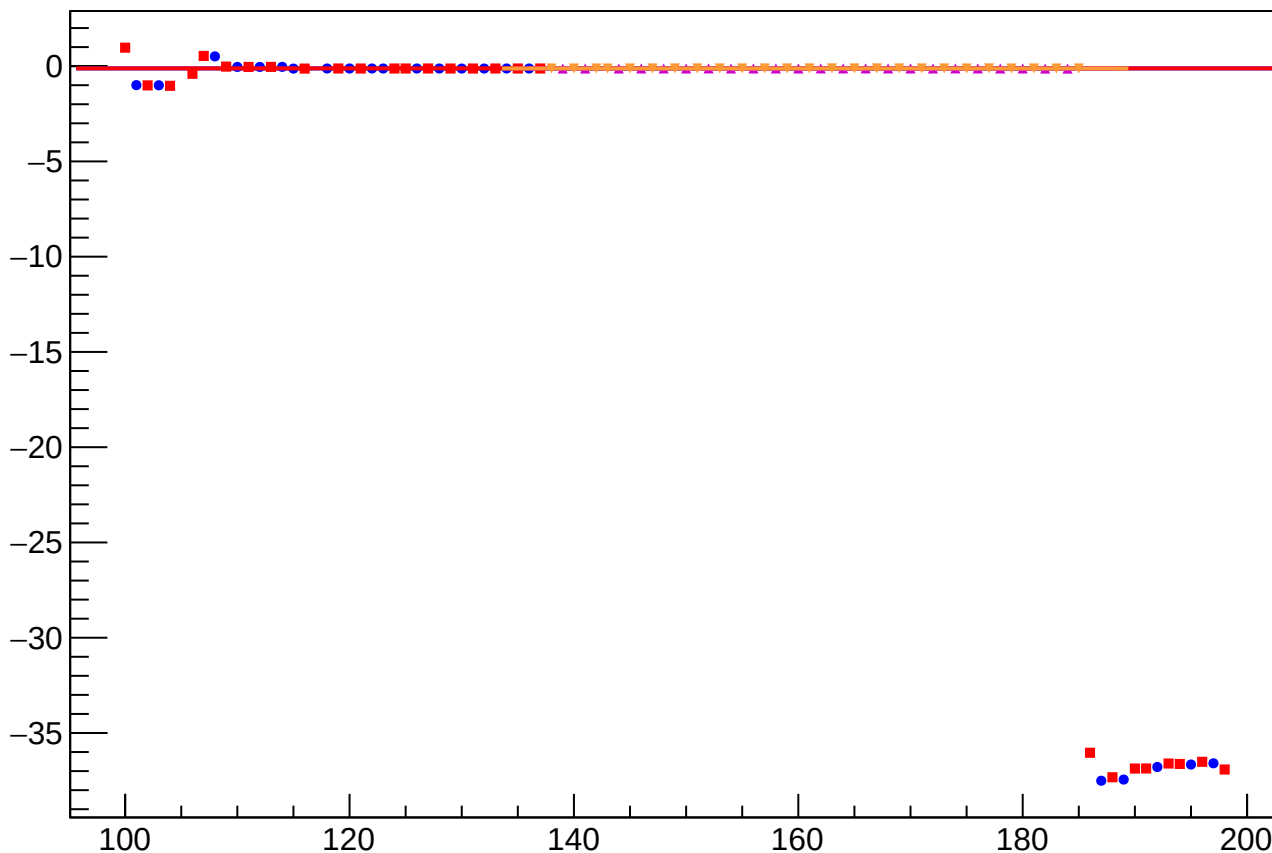
Left In: 0.001+/-0.000 χ^2/NDF : 626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 8502499.5/46

All: 0.002+/-0.000 χ^2/NDF : 22040868.2/96

- sign 0.002+/-0.000 χ^2/NDF : 13529377.5/49

yield_cav4cY_mean vs Slug



Right In: -0.121+/-0.000 χ^2/NDF : 29312456526.5/21

Left Out: -0.121+/-0.000 χ^2/NDF : 58120109.3/24

Right Out: -0.116+/-0.000 χ^2/NDF : 43295364286.1/26

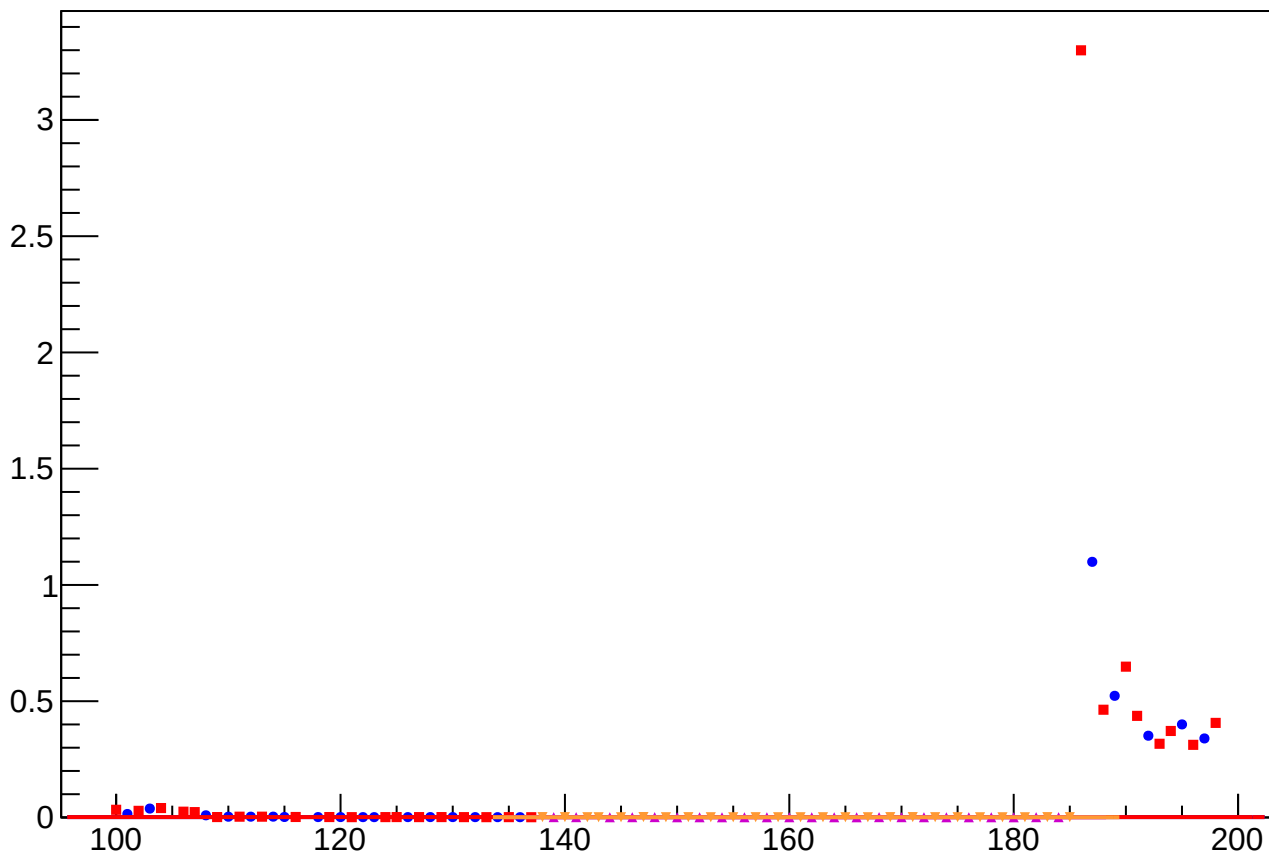
Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121+/-0.000 χ^2/NDF : 29370823901.2/46

All: -0.121+/-0.000 χ^2/NDF : 72763352081.0/49

- sign -0.120+/-0.000 χ^2/NDF : 43388657749.5/49

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 8527732.9/21

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 12889062.9/26

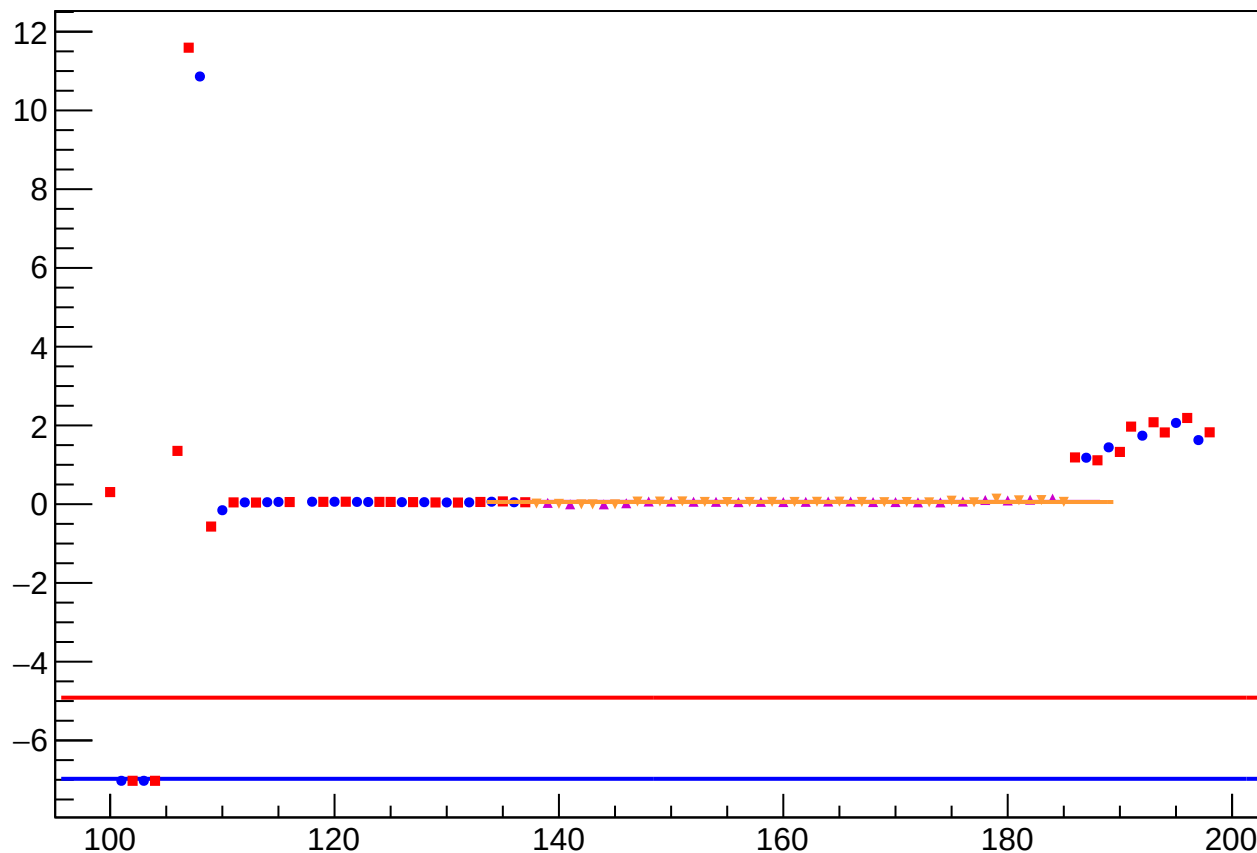
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 11085356.2/46

All: 0.001+/-0.000 χ^2/NDF : 26075334.5/96

- sign 0.001+/-0.000 χ^2/NDF : 14988089.1/49

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8797461431086.6/21$

Left Out: 0.055 ± 0.000 $\chi^2/\text{NDF}: 243682351.4/24$

Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365352764057705.6/26$

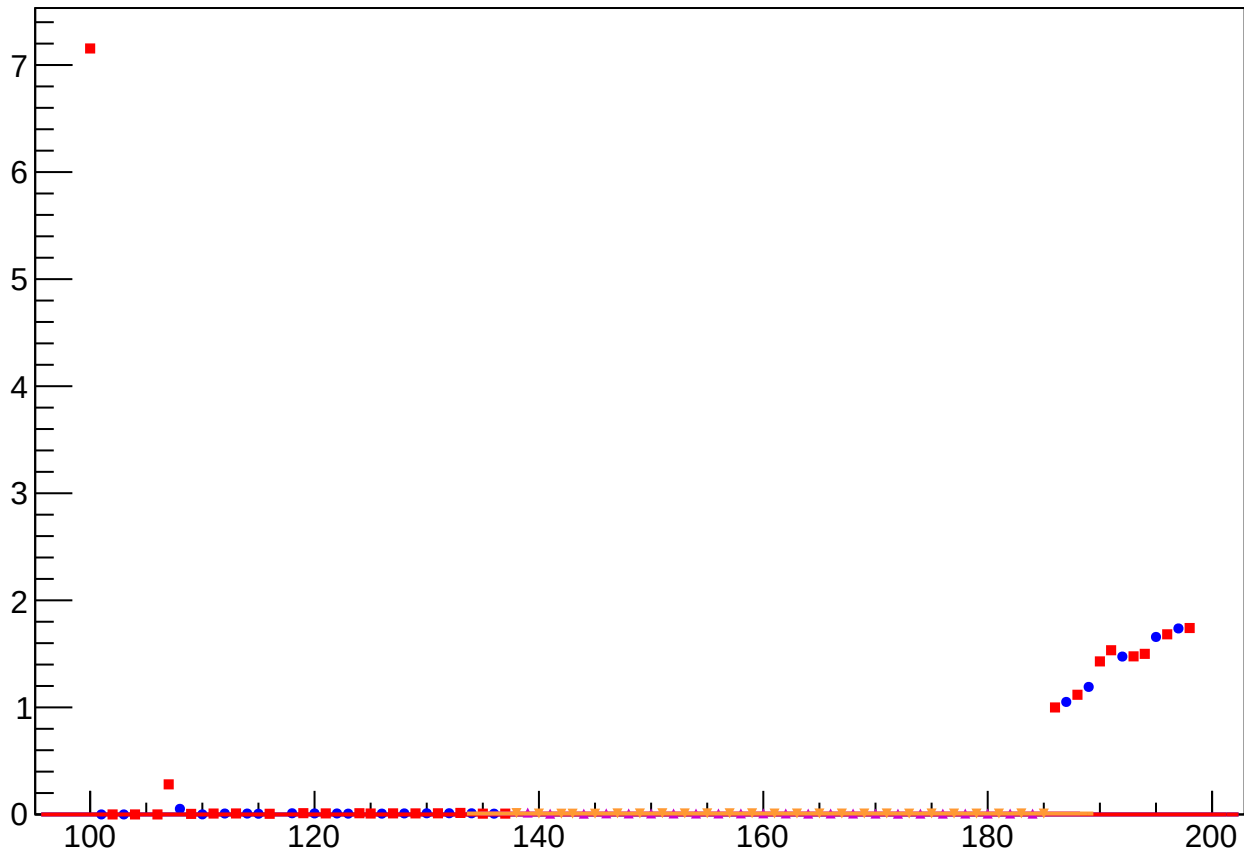
Left In: 0.059 ± 0.000 $\chi^2/\text{NDF}: 178541521.9/22$

+ sign -6.921 ± 0.000 $\chi^2/\text{NDF}: 18423775469892.1/21$

All: -5.858 ± 0.000 $\chi^2/\text{NDF}: 4435287804963.6/21$

- sign -4.882 ± 0.000 $\chi^2/\text{NDF}: 369731784423580.4/21$

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14333970.8/21

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 18571741.8/26

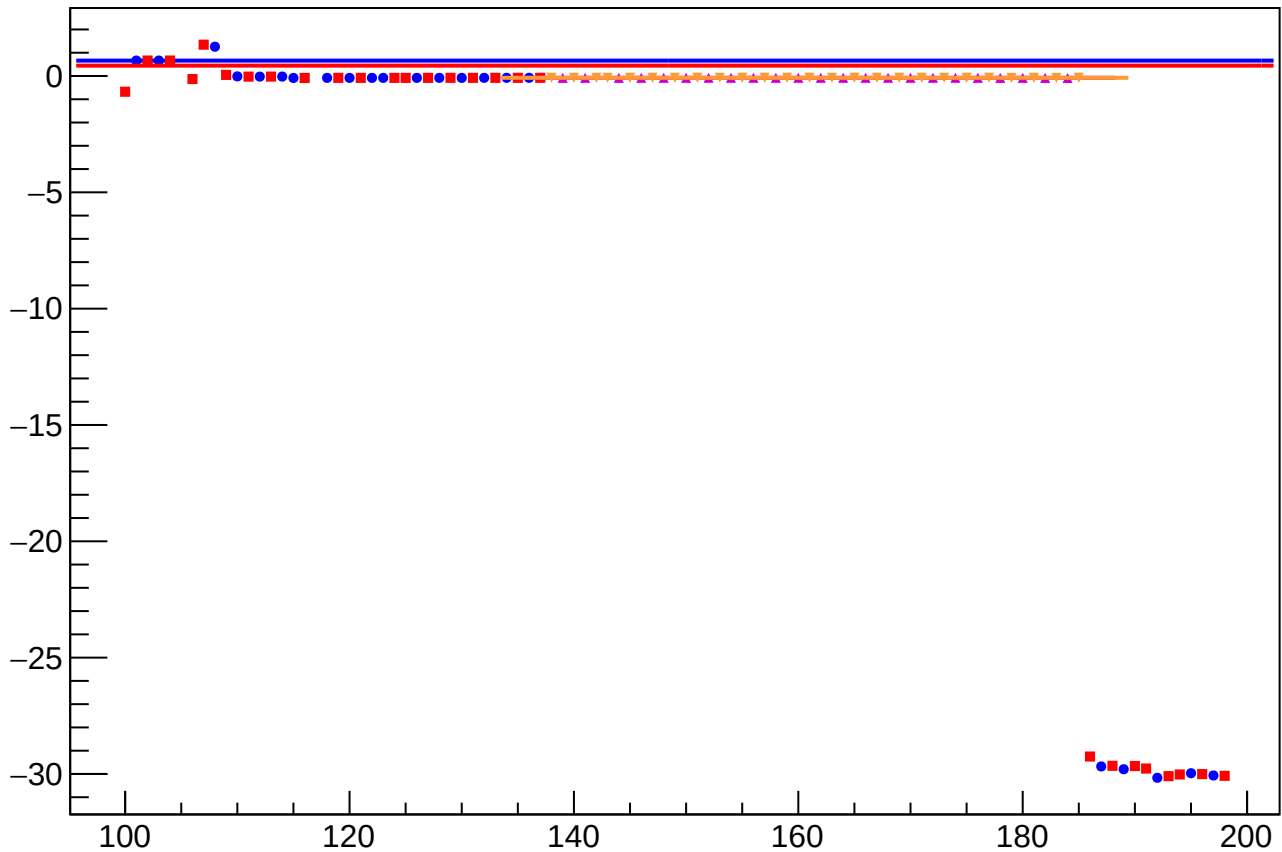
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 43236398.0/46

All: 0.000+/-0.000 χ^2/NDF : 89269130.0/96

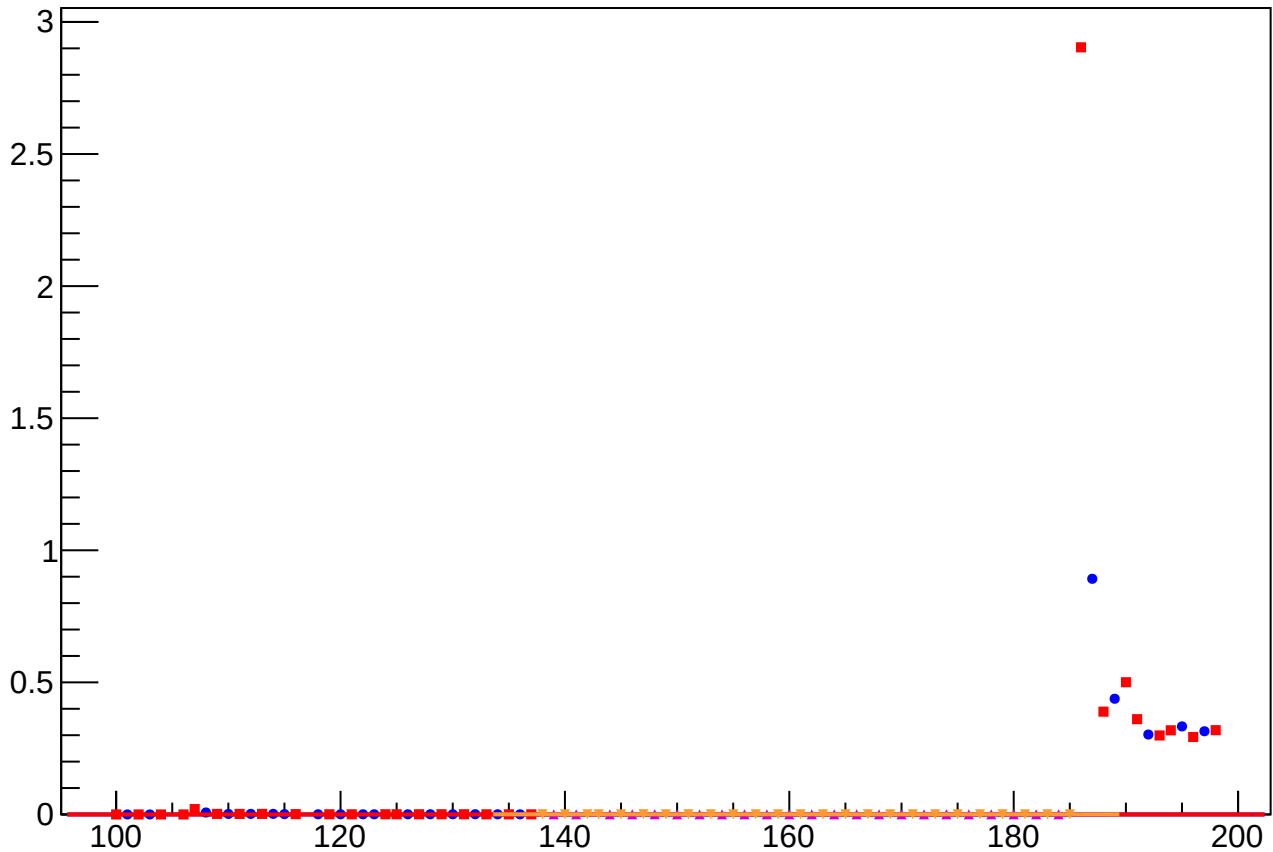
- sign 0.000+/-0.000 χ^2/NDF : 46027942.2/49

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000	χ^2/NDF : 5683162520159.8/21	+ sign 0.646+/-0.000	χ^2/NDF : 35781965357025.1/4
Left Out: -0.078+/-0.000	χ^2/NDF : 156404795.7/24	All: 0.537+/-0.000	χ^2/NDF : 51590736459742
Right Out: 0.446+/-0.000	χ^2/NDF : 405466403234044.5/26	- sign 0.437+/-0.000	χ^2/NDF : 419588438503533.3/
Left In: -0.077+/-0.000	χ^2/NDF : 110762924.1/22		

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15811408.8/21

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 19097374.9/26

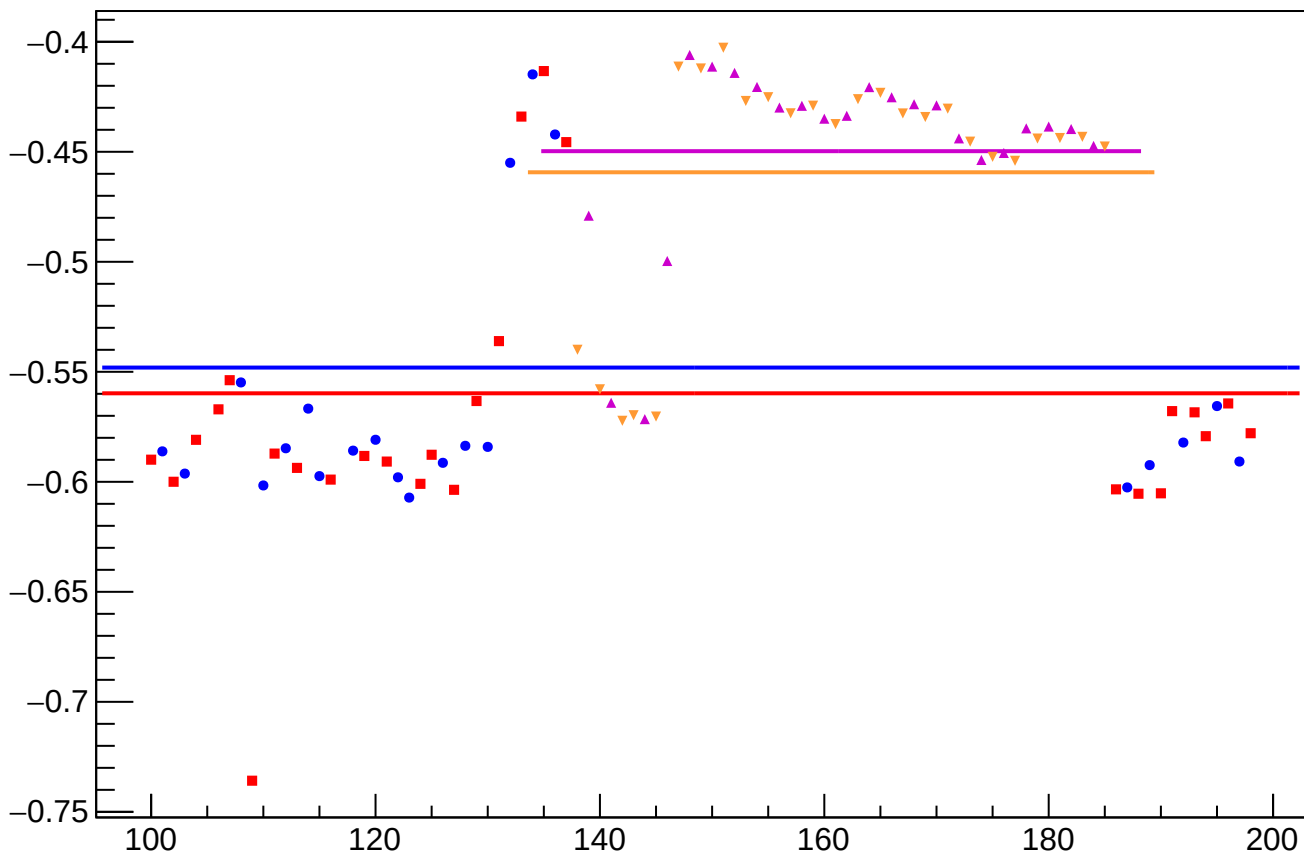
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 48365204.2/46

All: 0.000+/-0.000 χ^2/NDF : 98263353.1/96

- sign 0.000+/-0.000 χ^2/NDF : 49890333.0/49

yield_bpm4aX_mean vs Slug



Right In: -0.548 $\pm$ 0.000 χ^2 /NDF: 47403308.2/21

Left Out: -0.459 $\pm$ 0.000 χ^2 /NDF: 113602161.0/24

Right Out: -0.560 $\pm$ 0.000 χ^2 /NDF: 65642680.9/26

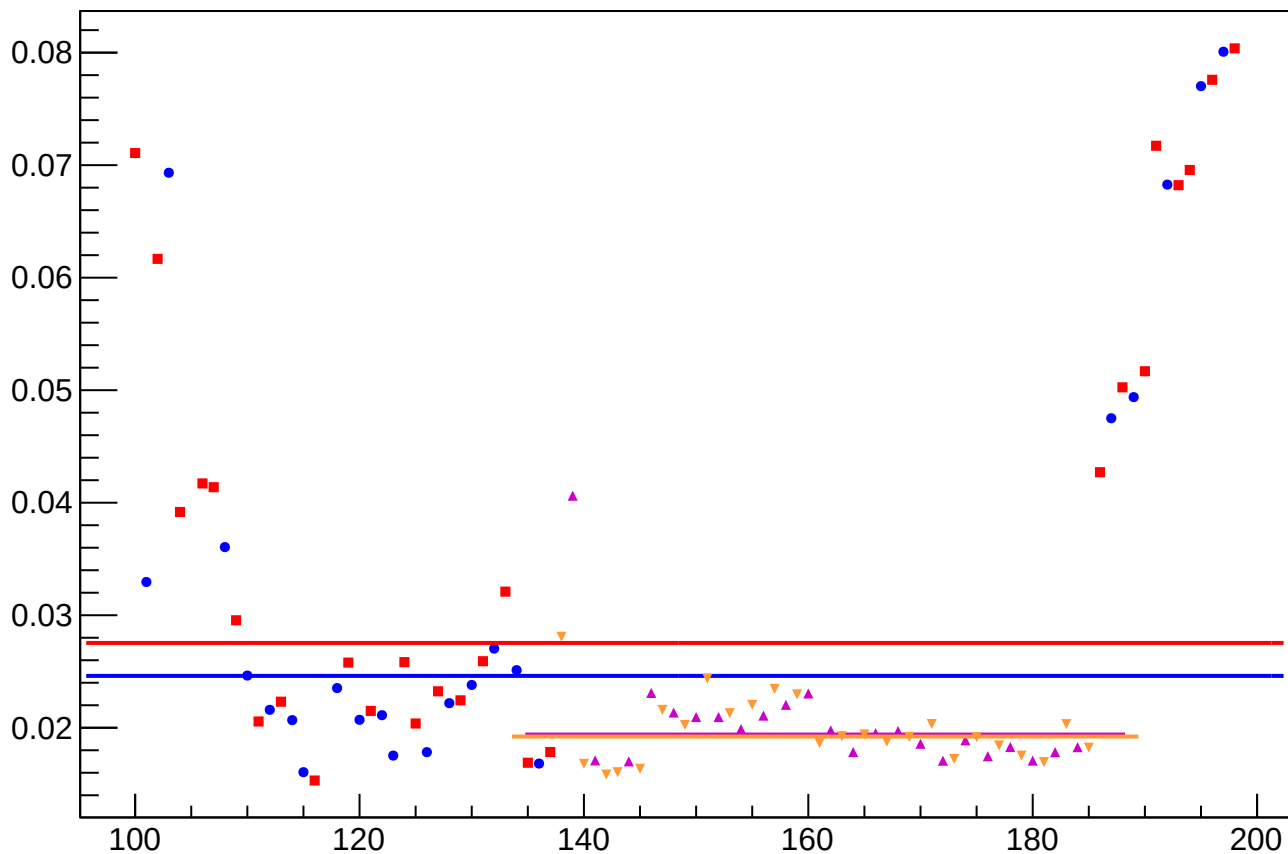
Left In: -0.450 $\pm$ 0.000 χ^2 /NDF: 76117957.8/22

+ sign -0.479 $\pm$ 0.000 χ^2 /NDF: 230088418.6/46

All: -0.477 $\pm$ 0.000 χ^2 /NDF: 475676791.7/96

- sign -0.475 $\pm$ 0.000 χ^2 /NDF: 245264501.3/49

yield_bpm4aX_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2 /NDF: 3539105.0/21

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 501711.6/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 4722568.9/26

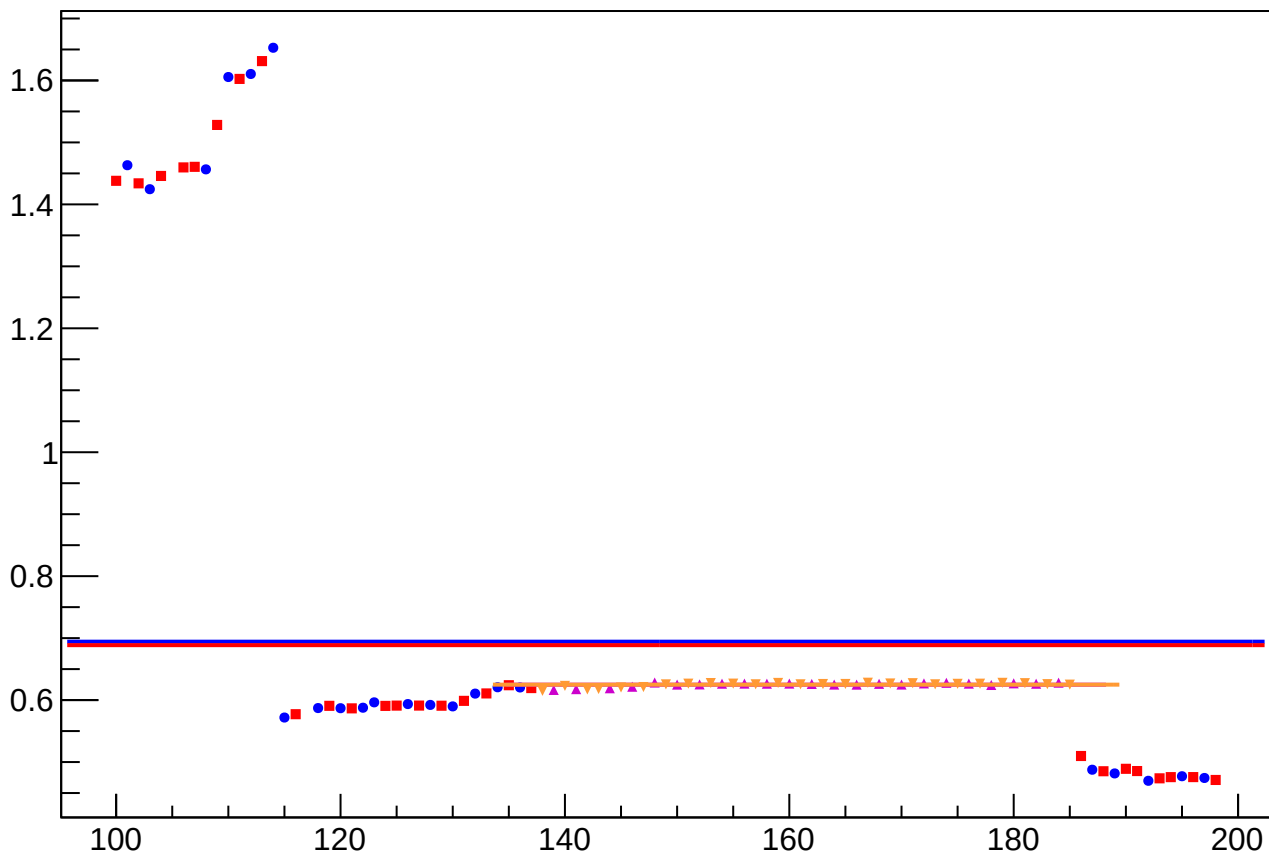
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 626443.5/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 4550303.4/46

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 11070946.4/96

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 6482607.5/49

yield_bpm4aY_mean vs Slug



Right In: 0.694 $\pm$ 0.000 χ^2 /NDF: 4421992475.7/21

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 5601895304.5/26

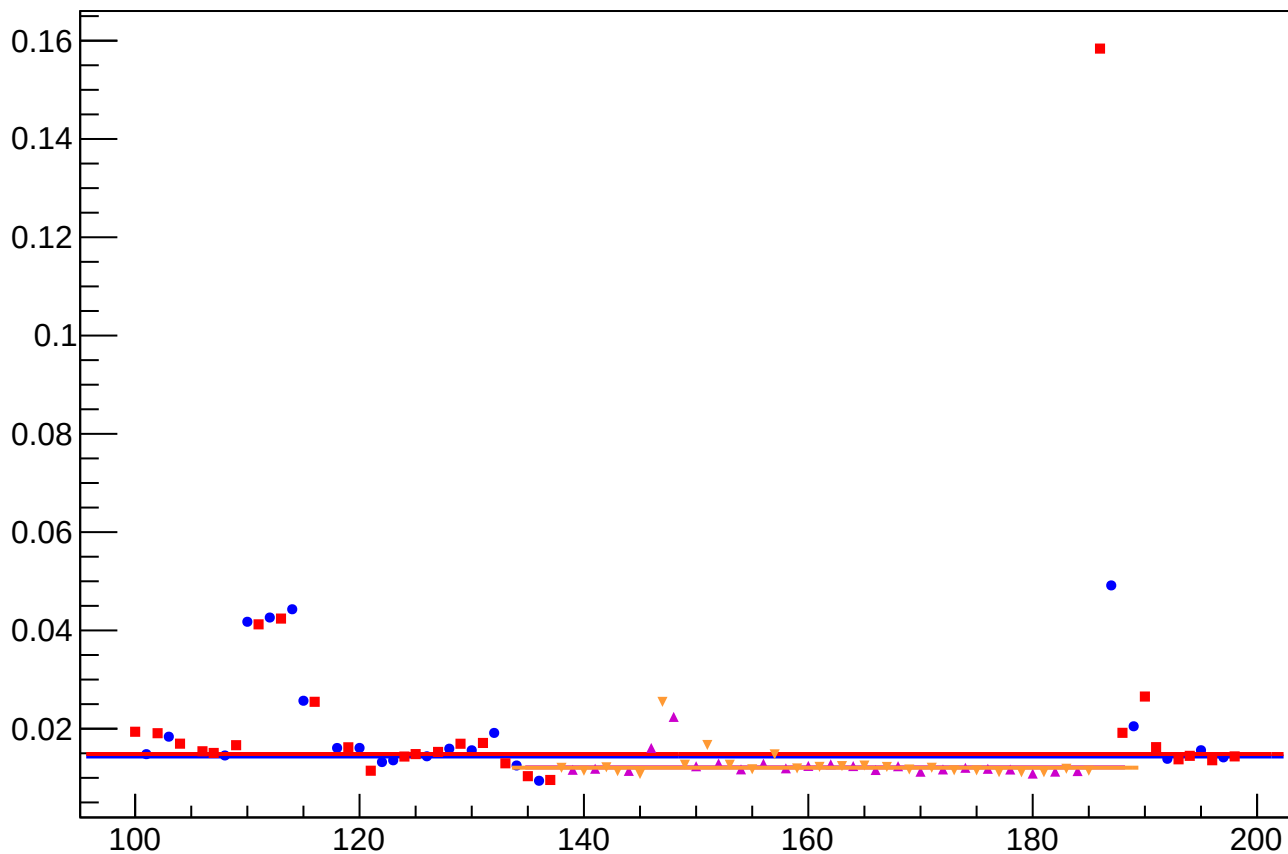
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.642 $\pm$ 0.000 χ^2 /NDF: 4570677234.4/46

All: 0.643 $\pm$ 0.000 χ^2 /NDF: 10309114533.8/9

- sign 0.644 $\pm$ 0.000 χ^2 /NDF: 5738342685.4/49

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1634799.5/21

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2074313.5/26

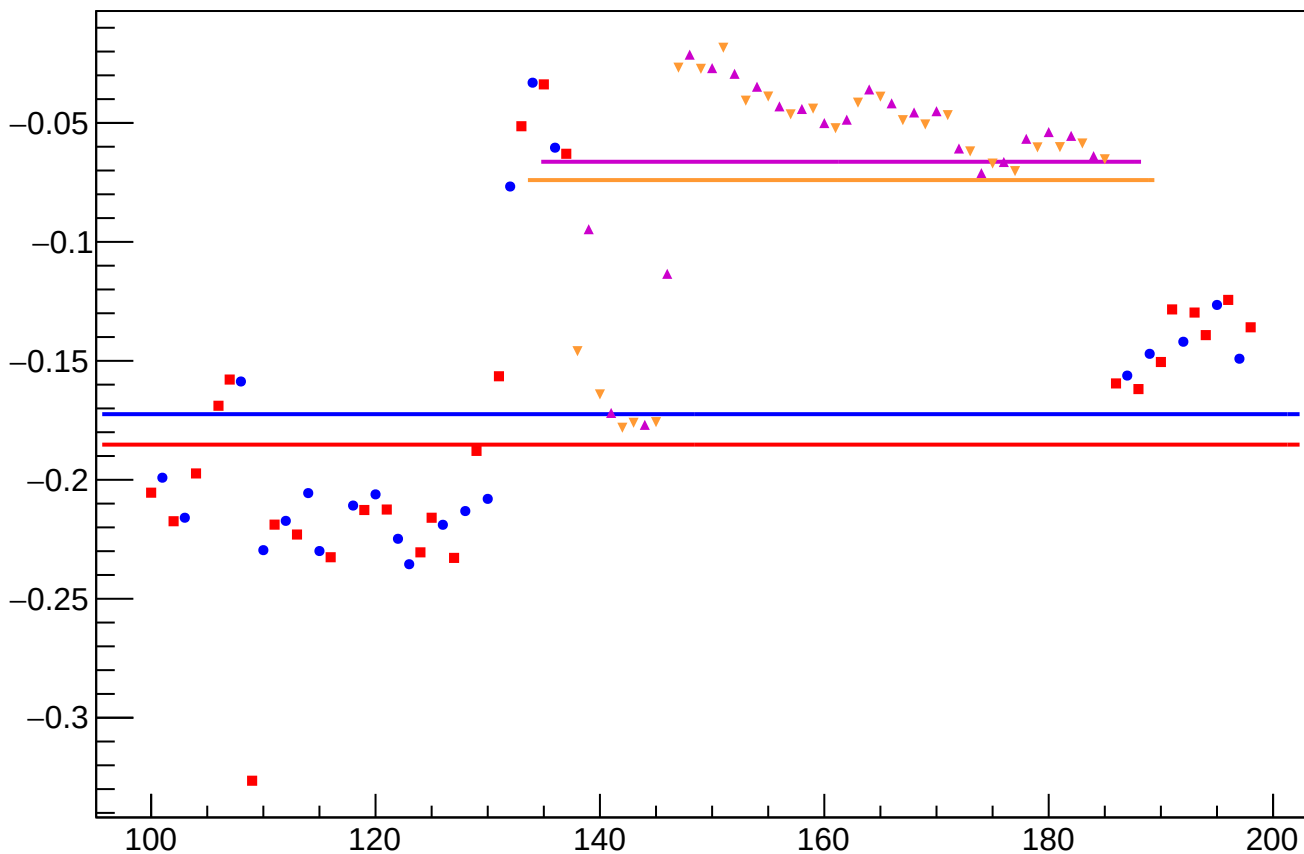
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2609435.4/46

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5675491.8/96

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3052905.6/49

yield_bpm4eX_mean vs Slug



Right In: -0.172 ± 0.000 χ^2/NDF : 67486200.2/21

Left Out: -0.074 ± 0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.185 ± 0.000 χ^2/NDF : 84446407.7/26

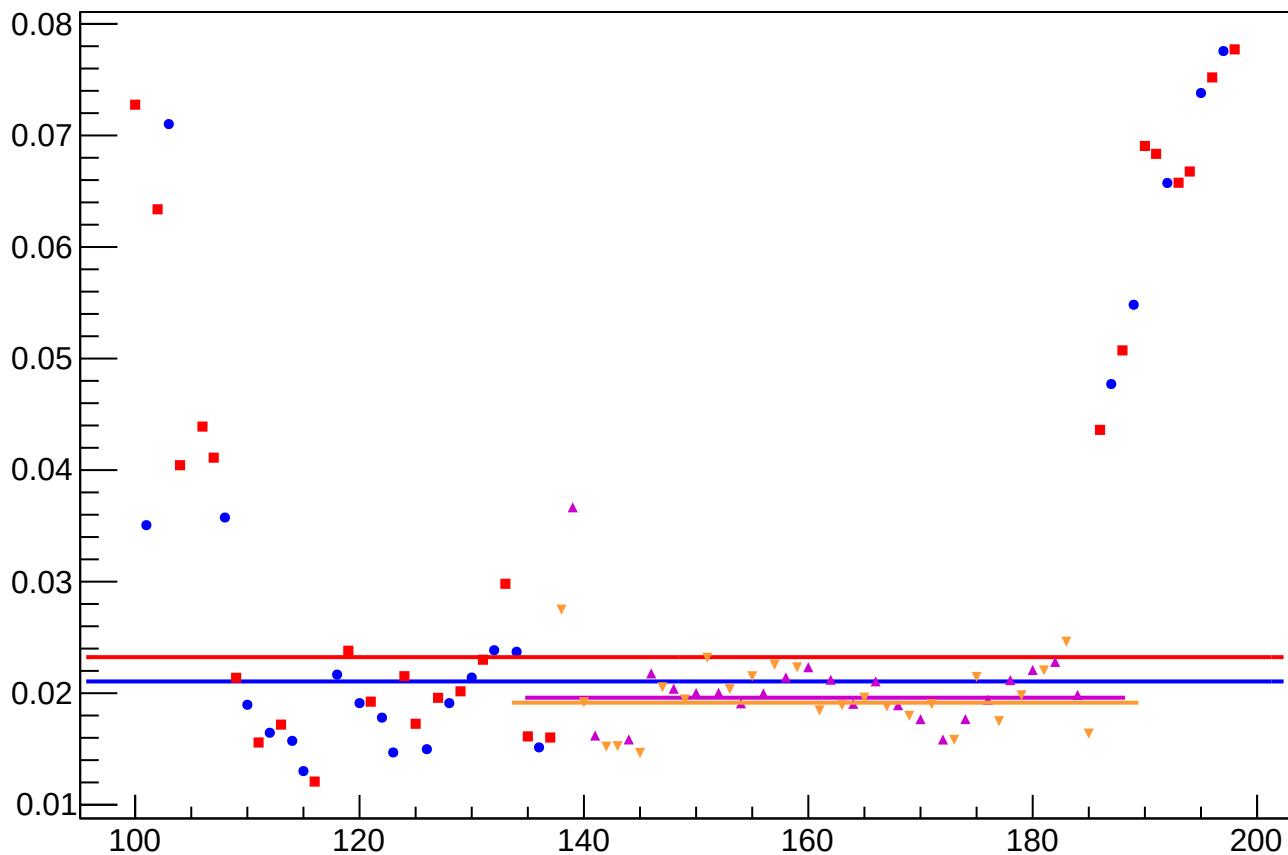
Left In: -0.066 ± 0.000 χ^2/NDF : 76243051.8/22

+ sign -0.100 ± 0.000 χ^2/NDF : 279960545.2/46

All: -0.100 ± 0.000 χ^2/NDF : 589235837.9/96

- sign -0.100 ± 0.000 χ^2/NDF : 309275200.6/49

yield_bpm4eX_rms vs Slug



Right In: 0.021 ± 0.000 χ^2/NDF : 4166131.4/21

Left Out: 0.019 ± 0.000 χ^2/NDF : 641277.0/24

Right Out: 0.023 ± 0.000 χ^2/NDF : 5787637.7/26

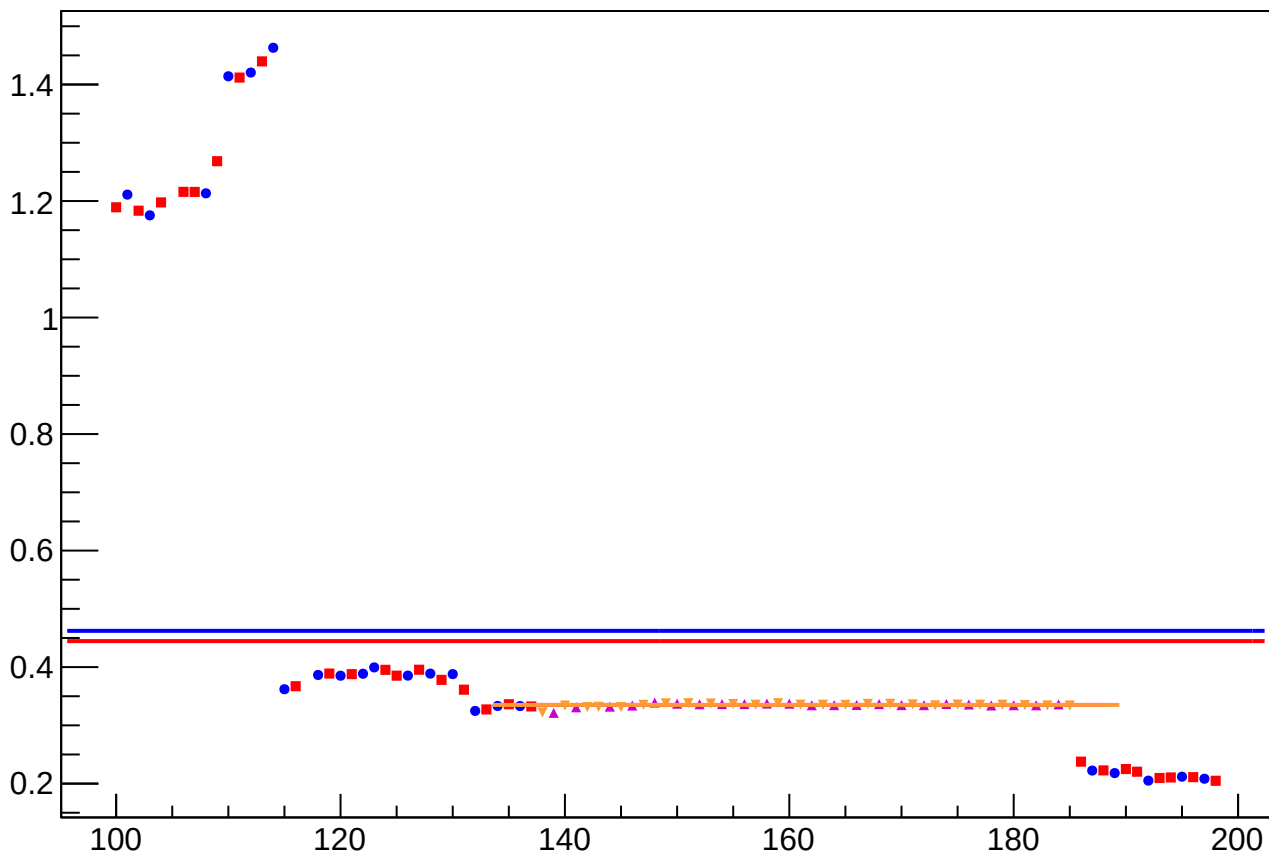
Left In: 0.020 ± 0.000 χ^2/NDF : 623148.2/22

+ sign 0.020 ± 0.000 χ^2/NDF : 4885954.2/46

All: 0.020 ± 0.000 χ^2/NDF : 11625650.9/96

- sign 0.021 ± 0.000 χ^2/NDF : 6688583.1/49

yield_bpm4eY_mean vs Slug



Right In: 0.462+/-0.000 χ^2/NDF : 6427688624.6/21

Left Out: 0.335+/-0.000 χ^2/NDF :1154310.3/24

Right Out: 0.445+/-0.000 χ^2/NDF : 7860048627.8/26

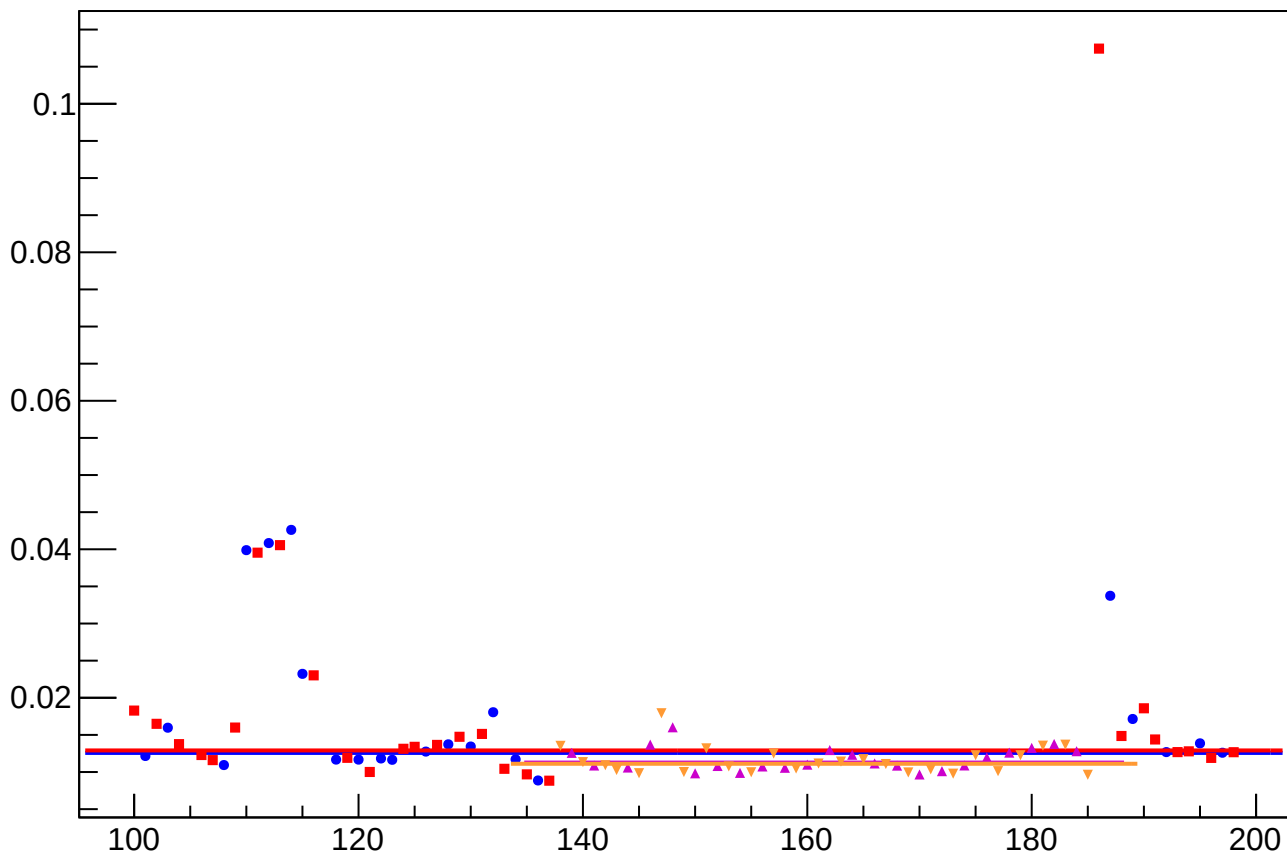
Left In: 0.335+/-0.000 χ^2/NDF :1202194.8/22

+ sign 0.370+/-0.000 χ^2/NDF : 7057220286.0/46

All: 0.370+/-0.000 χ^2/NDF : 15423594940.8/9

- sign 0.371+/-0.000 χ^2/NDF : 8366353015.0/49

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1507150.5/21

Left Out: 0.011+/-0.000 χ^2/NDF : 607532.0/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1932459.5/26

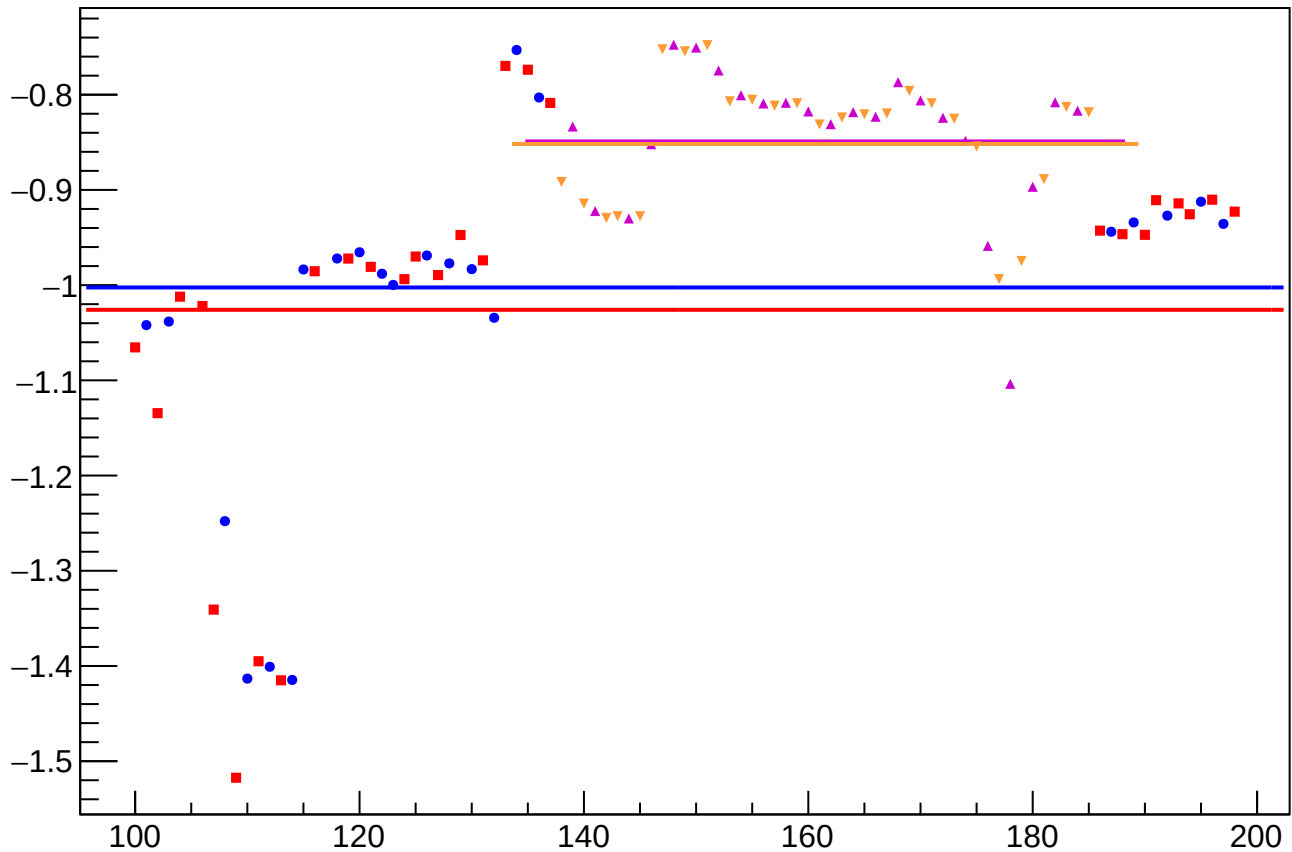
Left In: 0.011+/-0.000 χ^2/NDF : 502455.5/22

+ sign 0.012+/-0.000 χ^2/NDF : 2280900.5/46

All: 0.012+/-0.000 χ^2/NDF : 4956747.7/96

- sign 0.012+/-0.000 χ^2/NDF : 2659788.1/49

yield_bpm4acX_mean vs Slug



Right In: -1.002 ± 0.000 χ^2/NDF : 397790482.9/21

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.026 ± 0.000 χ^2/NDF : 549290183.7/26

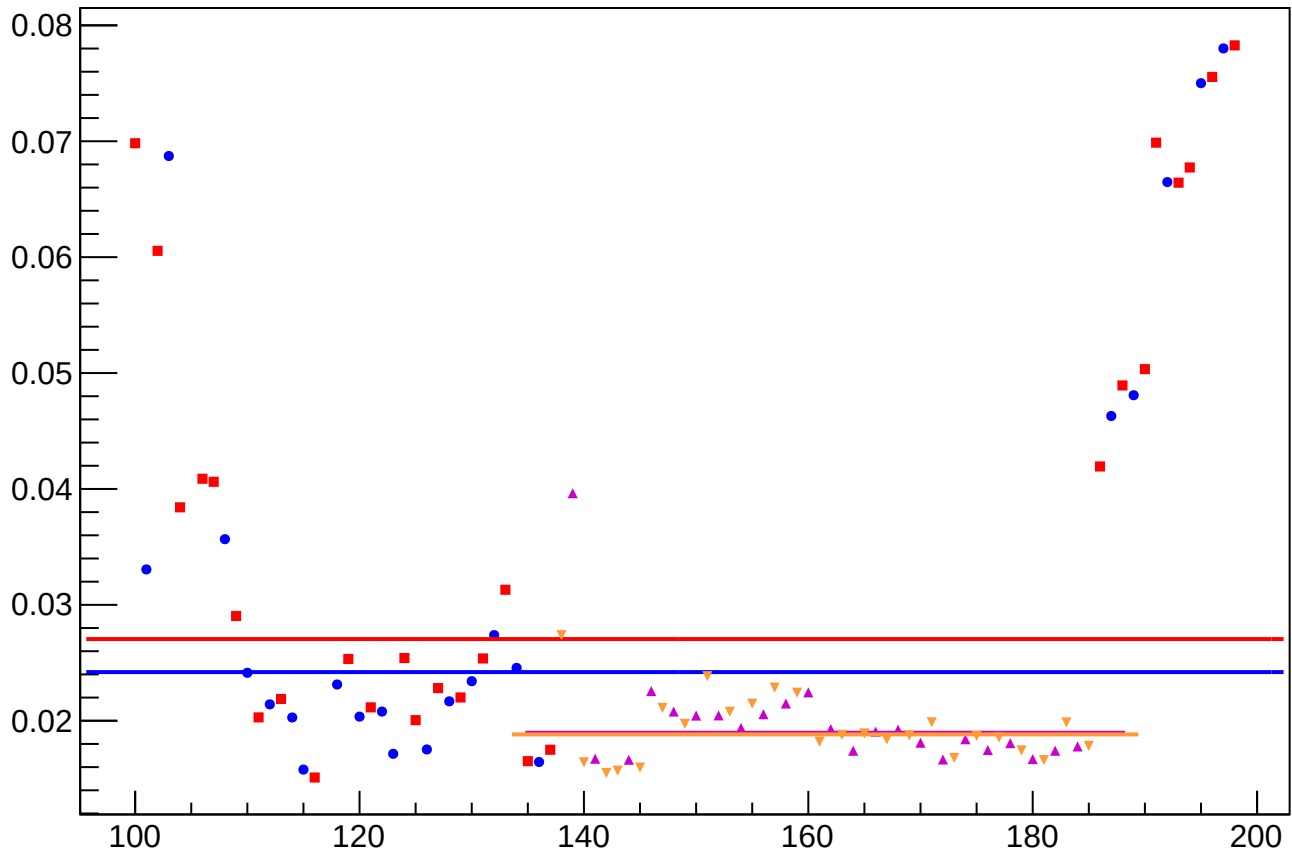
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.884 ± 0.000 χ^2/NDF : 793230742.2/46

All: -0.887 ± 0.000 χ^2/NDF : 1877322882.7/9

- sign -0.890 ± 0.000 χ^2/NDF : 1083416611.3/49

yield_bpm4acX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 3538958.8/21

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490509.4/24

Right Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 4682944.1/26

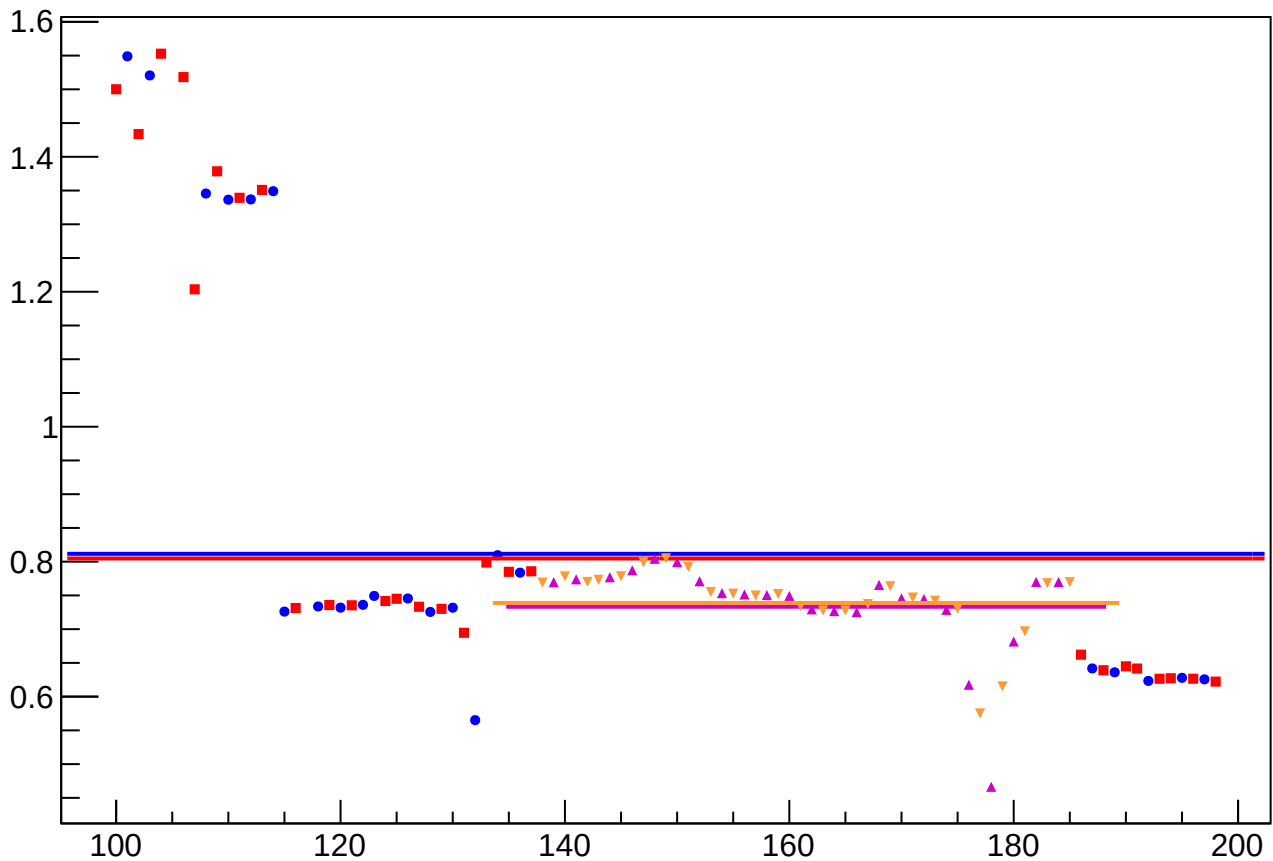
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 615173.8/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 4554760.7/46

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 11048544.1/96

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 6458349.6/49

yield_bpm4acY_mean vs Slug



Right In: 0.812 $\pm$ 0.000 χ^2 /NDF: 3011744875.0/21

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

+ sign 0.757 $\pm$ 0.000 χ^2 /NDF: 3503720534.1/46

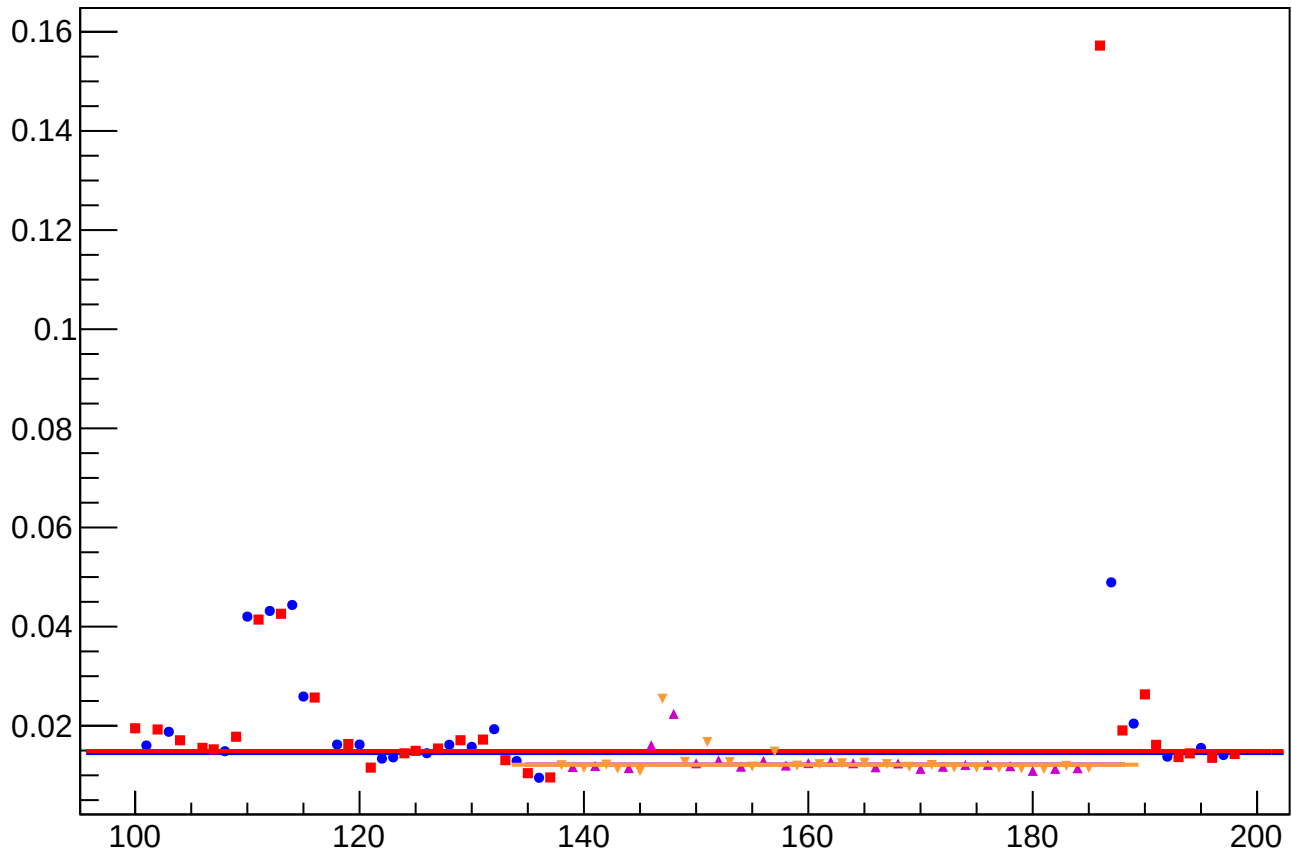
Right Out: 0.805 $\pm$ 0.000 χ^2 /NDF: 3446325960.8/26

All: 0.756 $\pm$ 0.000 χ^2 /NDF: 7688693923.9/96

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

- sign 0.754 $\pm$ 0.000 χ^2 /NDF: 4184288062.5/49

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1635830.6/21

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:637986.2/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2078451.1/26

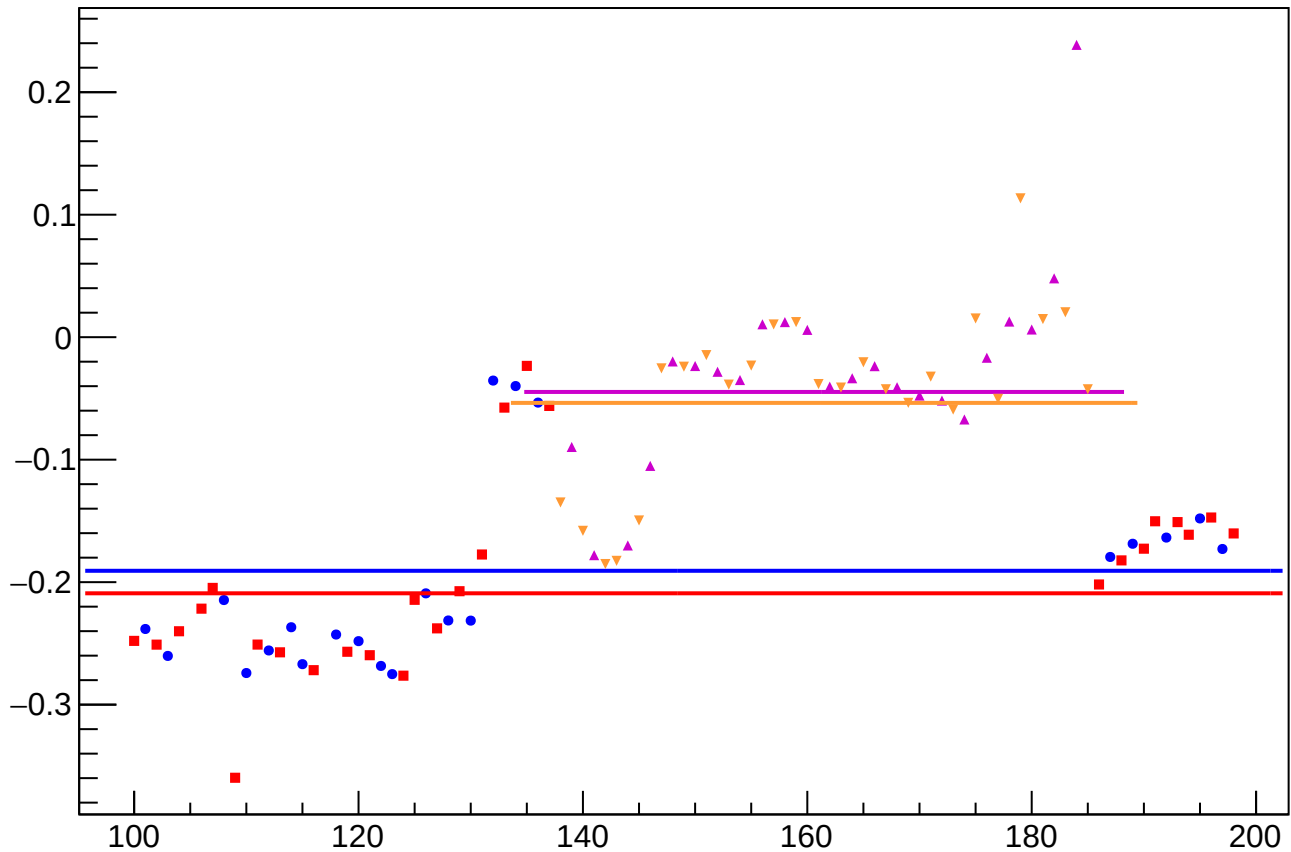
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2605187.6/46

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5661708.4/96

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3045923.2/49

yield_bpm4ecX_mean vs Slug



Right In: -0.191 ± 0.000 $\chi^2/\text{NDF}: 106750231.5/21$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167834173.6/24$

Right Out: -0.209 ± 0.000 $\chi^2/\text{NDF}: 112992675.2/26$

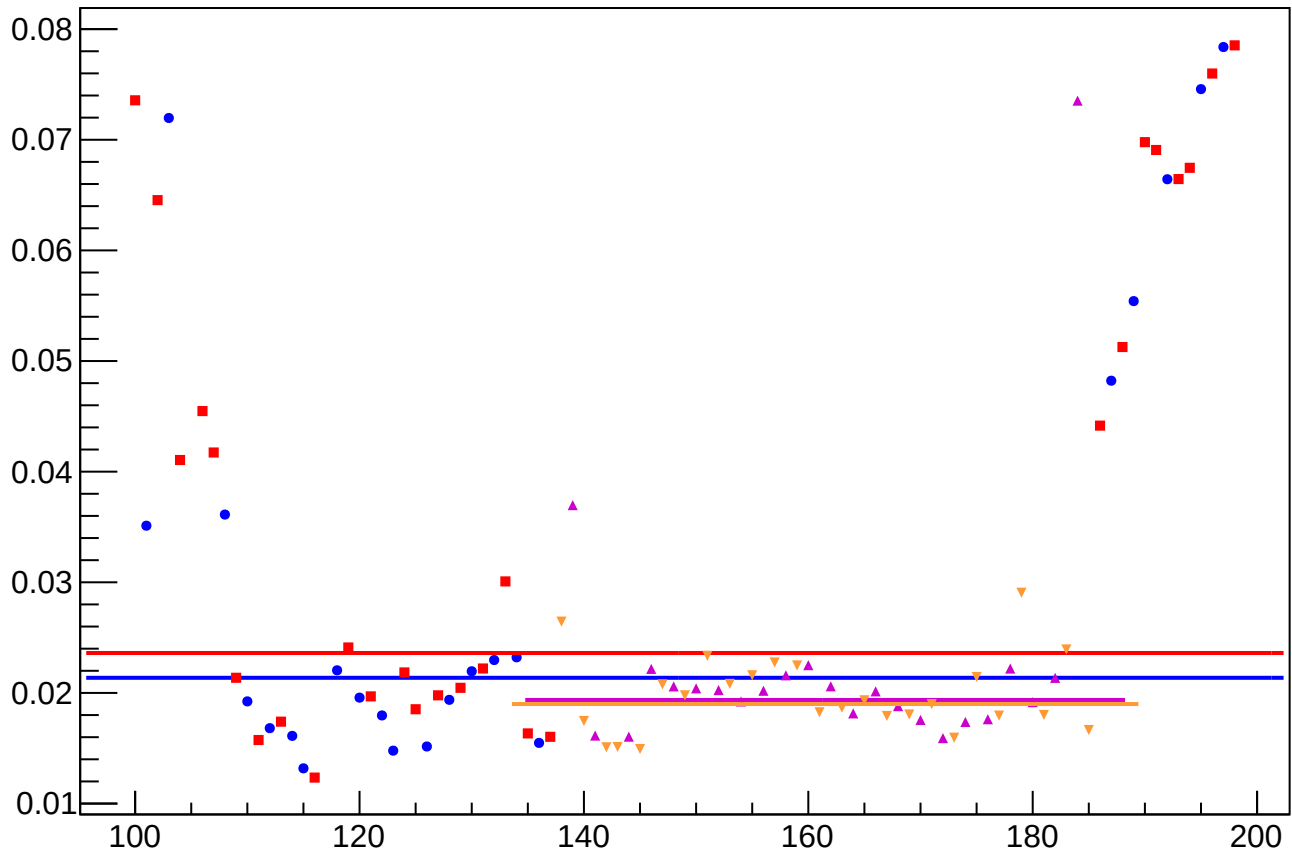
Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127192425.2/22$

+ sign -0.089 ± 0.000 $\chi^2/\text{NDF}: 473084469.1/46$

All: -0.090 ± 0.000 $\chi^2/\text{NDF}: 990507941.2/96$

- sign -0.090 ± 0.000 $\chi^2/\text{NDF}: 517399594.0/49$

yield_bpm4ecX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 4126580.8/21

Left Out: 0.019+/-0.000 χ^2/NDF : 700229.7/24

Right Out: 0.024+/-0.000 χ^2/NDF : 5755805.0/26

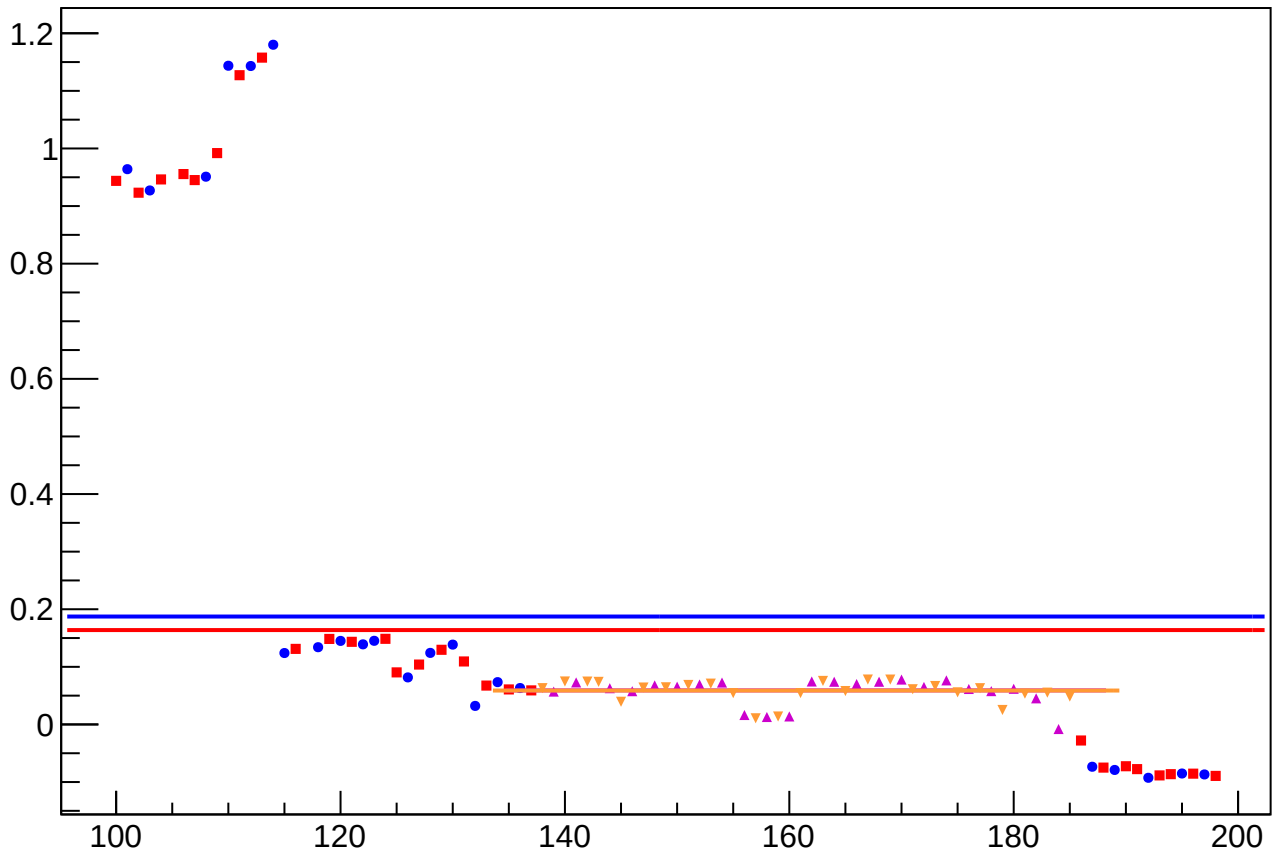
Left In: 0.019+/-0.000 χ^2/NDF : 858216.8/22

+ sign 0.020+/-0.000 χ^2/NDF : 4945742.7/46

All: 0.020+/-0.000 χ^2/NDF : 11975295.8/96

- sign 0.021+/-0.000 χ^2/NDF : 6983915.7/49

yield_bpm4ecY_mean vs Slug



Right In: 0.187+/-0.000 χ^2/NDF : 6850301976.0/21

Left Out: 0.059+/-0.000 χ^2/NDF : 46821236.8/24

Right Out: 0.164+/-0.000 χ^2/NDF : 8231790925.4/26

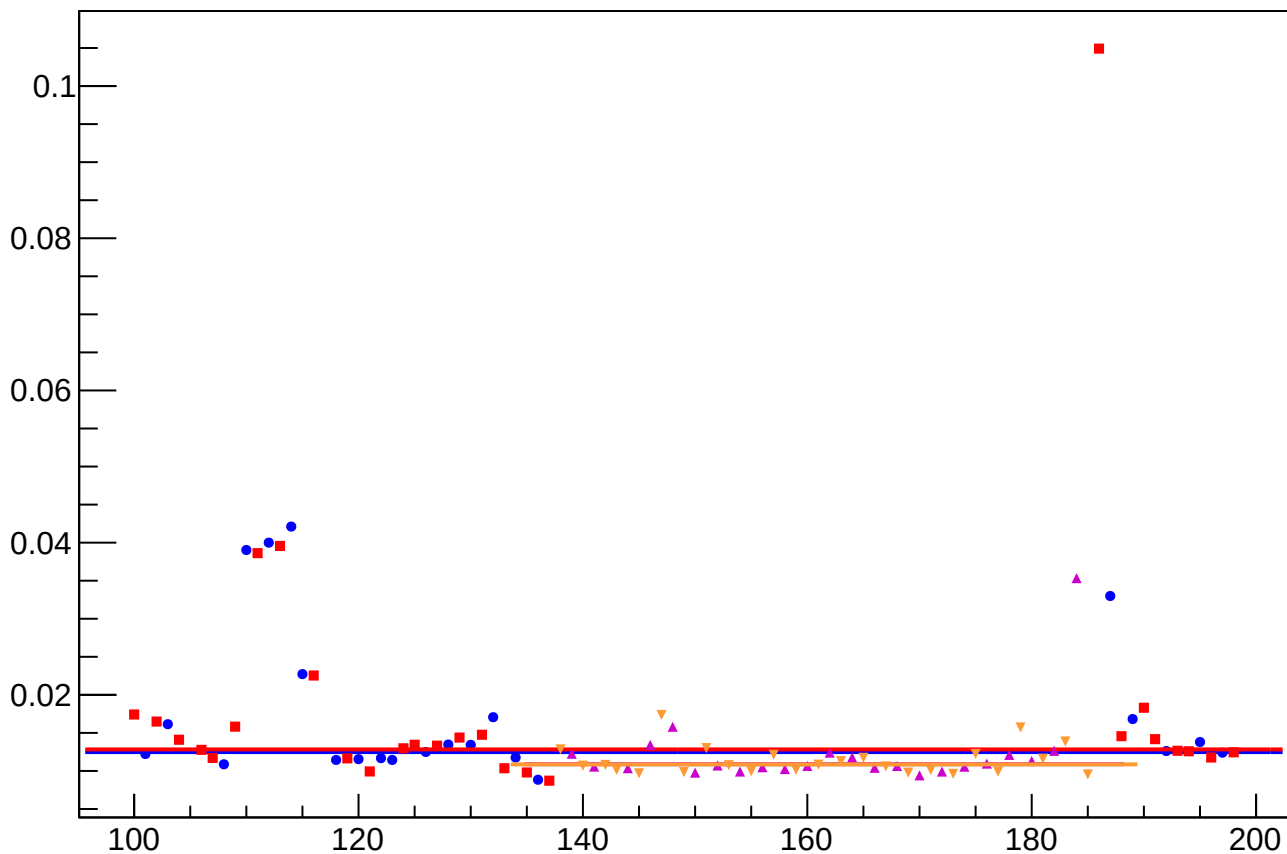
Left In: 0.059+/-0.000 χ^2/NDF : 58518655.0/22

+ sign 0.094+/-0.000 χ^2/NDF : 7549802951.0/46

All: 0.093+/-0.000 χ^2/NDF : 16312626564.7/9

- sign 0.092+/-0.000 χ^2/NDF : 8762474696.5/49

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1474014.4/21

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:604787.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1889341.1/26

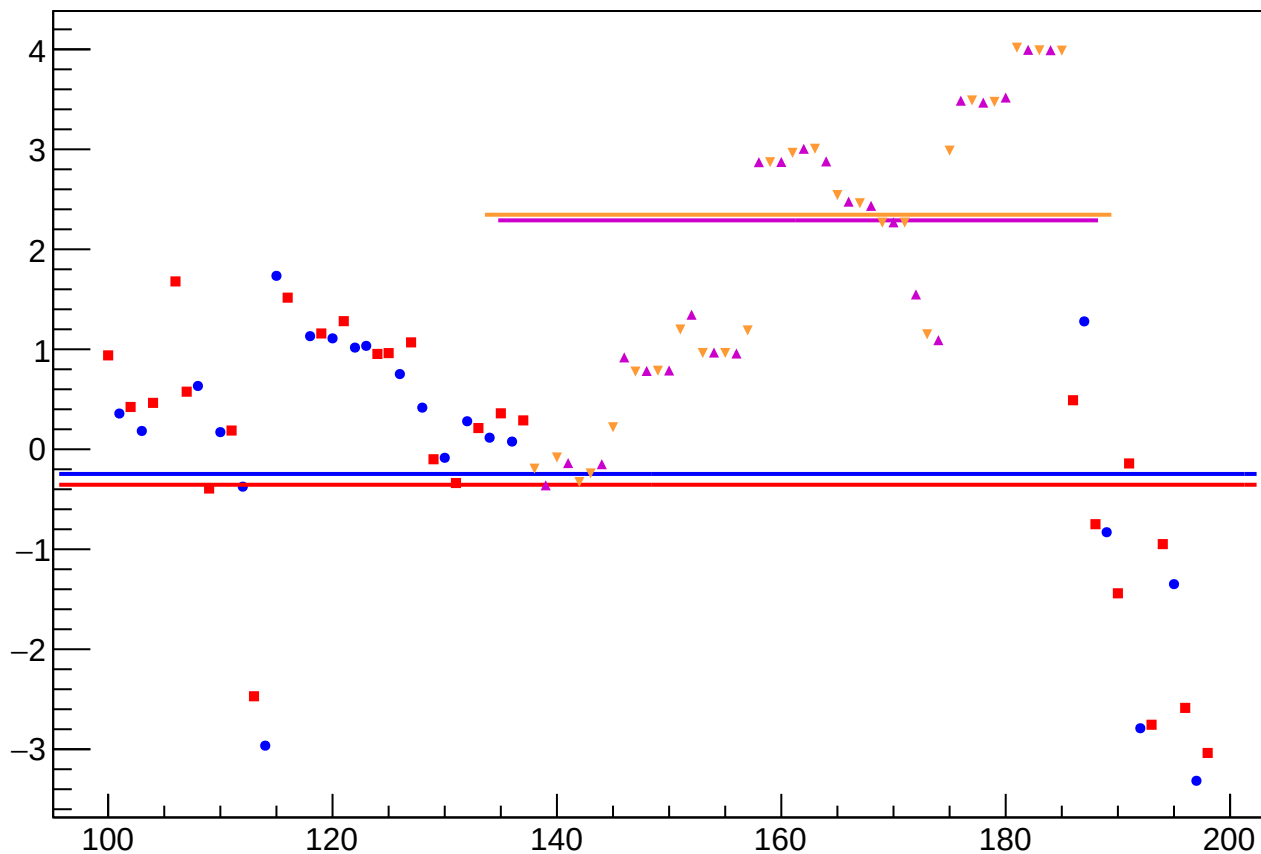
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:530077.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2286379.1/46

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5036836.6/96

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2742574.4/49

yield_bpm1X_mean vs Slug



Right In: -0.247 ± 0.000 χ^2/NDF : 3956714095.5/21

Left Out: 2.346 ± 0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.355 ± 0.000 χ^2/NDF : 5337465479.1/26

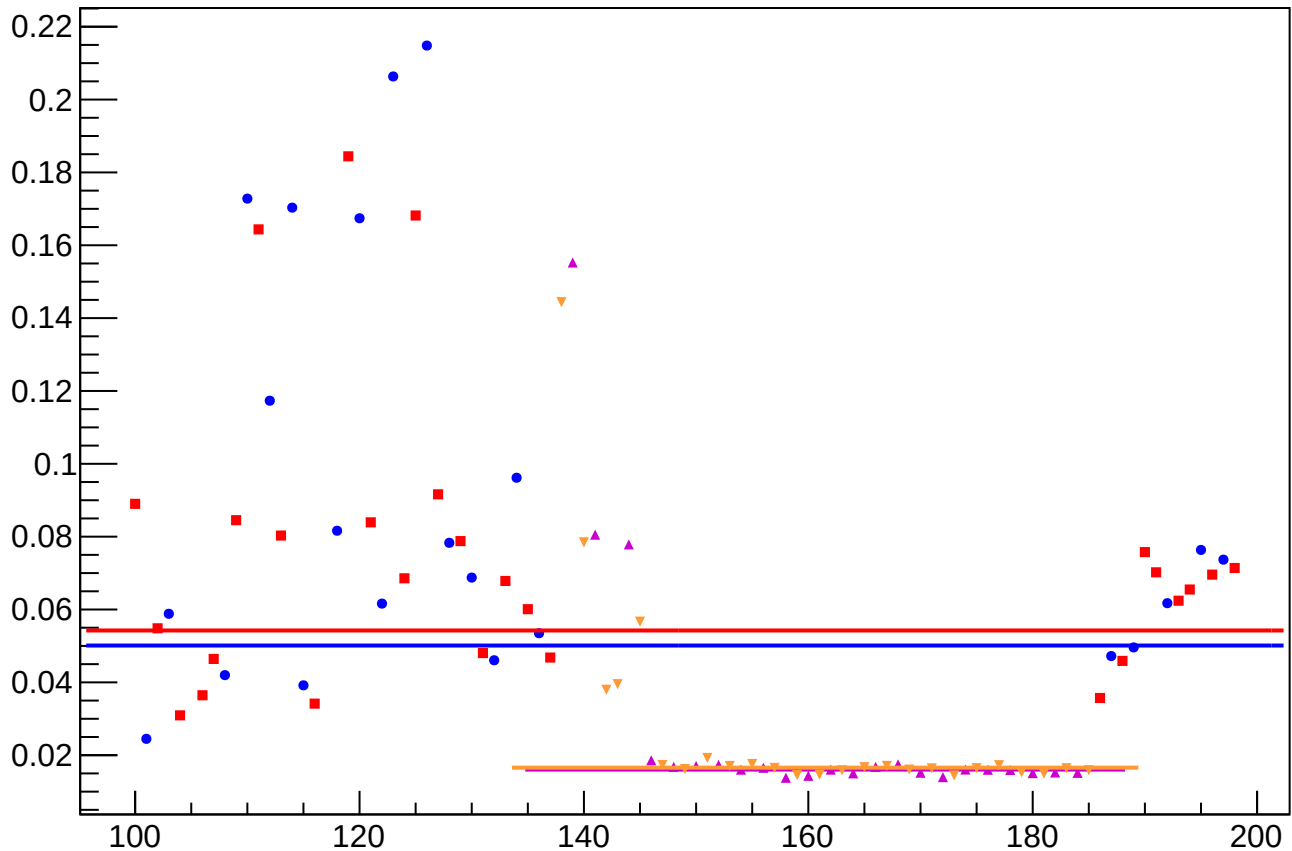
Left In: 2.290 ± 0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.226 ± 0.000 χ^2/NDF : 83261584365.0/46

All: 2.187 ± 0.000 χ^2/NDF : 168957375690.9

- sign 2.149 ± 0.000 χ^2/NDF : 85533084013.8/49

yield_bpm1X_rms vs Slug



Right In: 0.050+/-0.000 χ^2/NDF : 3307498.2/21

Left Out: 0.017+/-0.000 χ^2/NDF : 2621162.1/24

Right Out: 0.054+/-0.000 χ^2/NDF : 2729846.9/26

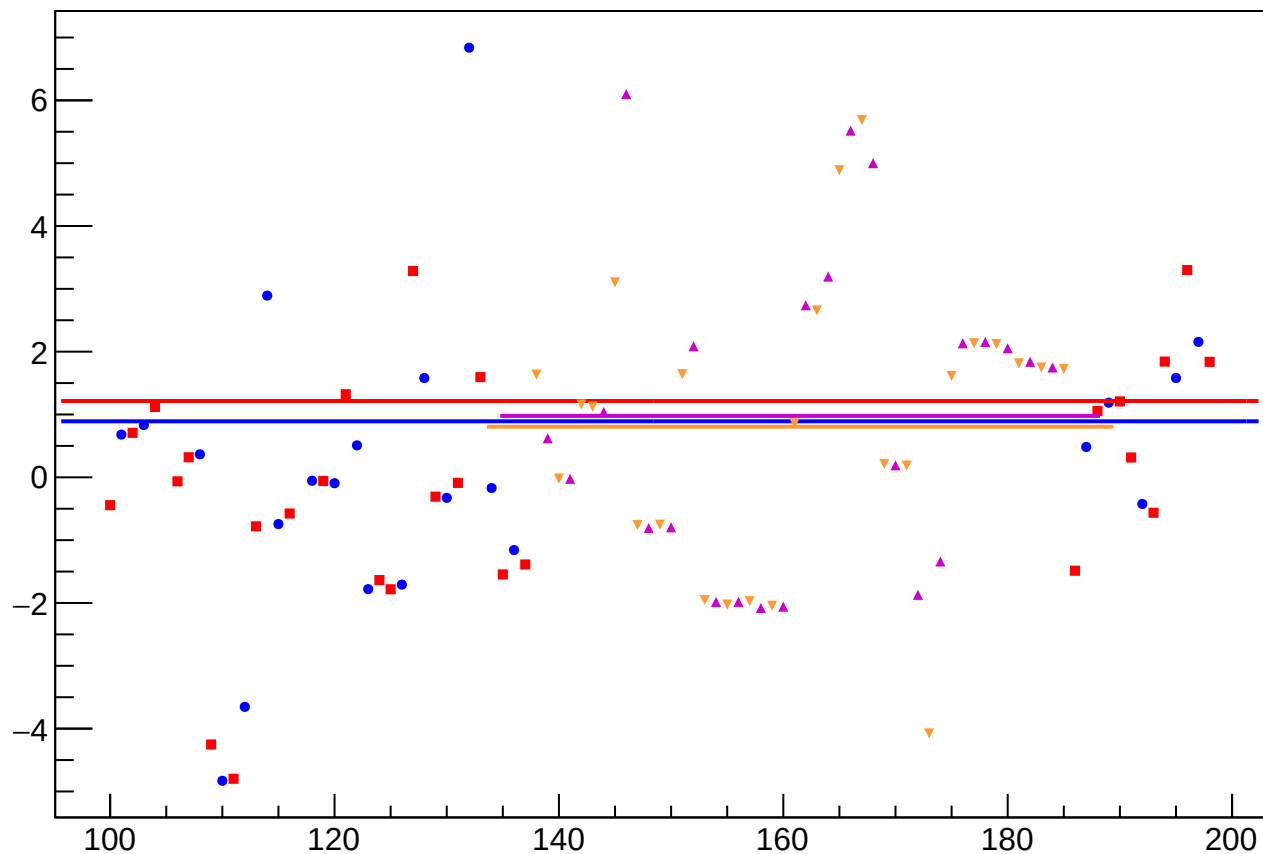
Left In: 0.016+/-0.000 χ^2/NDF : 2394376.5/22

+ sign 0.018+/-0.000 χ^2/NDF : 11219684.8/46

All: 0.018+/-0.000 χ^2/NDF : 24407840.0/96

- sign 0.018+/-0.000 χ^2/NDF : 13188013.6/49

yield_bpm1Y_mean vs Slug



Right In: 0.891+/-0.000 χ^2/NDF : 18369626144.8/21

Left Out: 0.806+/-0.000 χ^2/NDF : 507578952196.2/24

Right Out: 1.215+/-0.000 χ^2/NDF : 23557664616.0/26

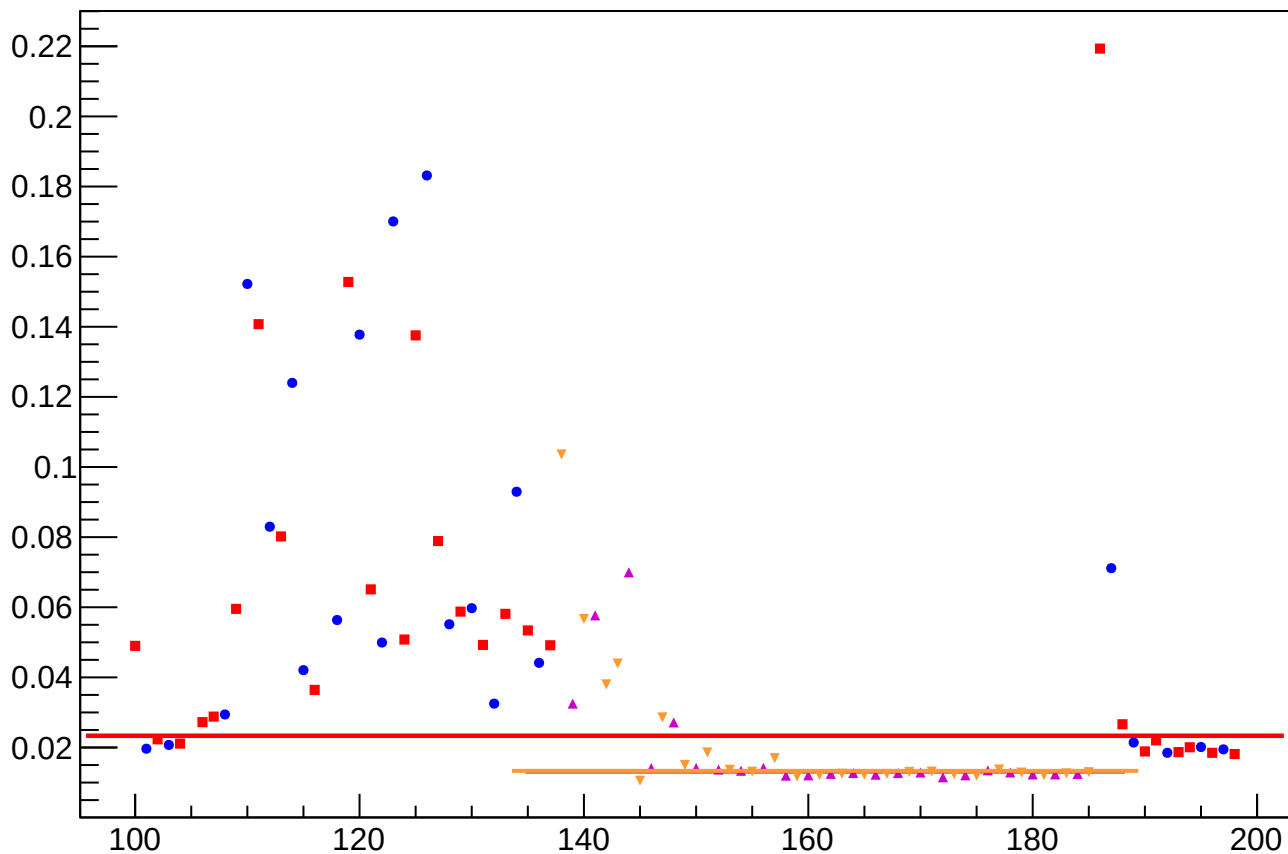
Left In: 0.977+/-0.000 χ^2/NDF : 568209676597.4/22

+ sign 0.815+/-0.000 χ^2/NDF : 526016568175.2/46

All: 0.914+/-0.000 χ^2/NDF : 1120286652134.

- sign 1.010+/-0.000 χ^2/NDF : 592429715401.2/49

yield_bpm1Y_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 3648425.0/21

Left Out: 0.013+/-0.000 χ^2/NDF : 2829753.9/24

Right Out: 0.023+/-0.000 χ^2/NDF : 4693077.4/26

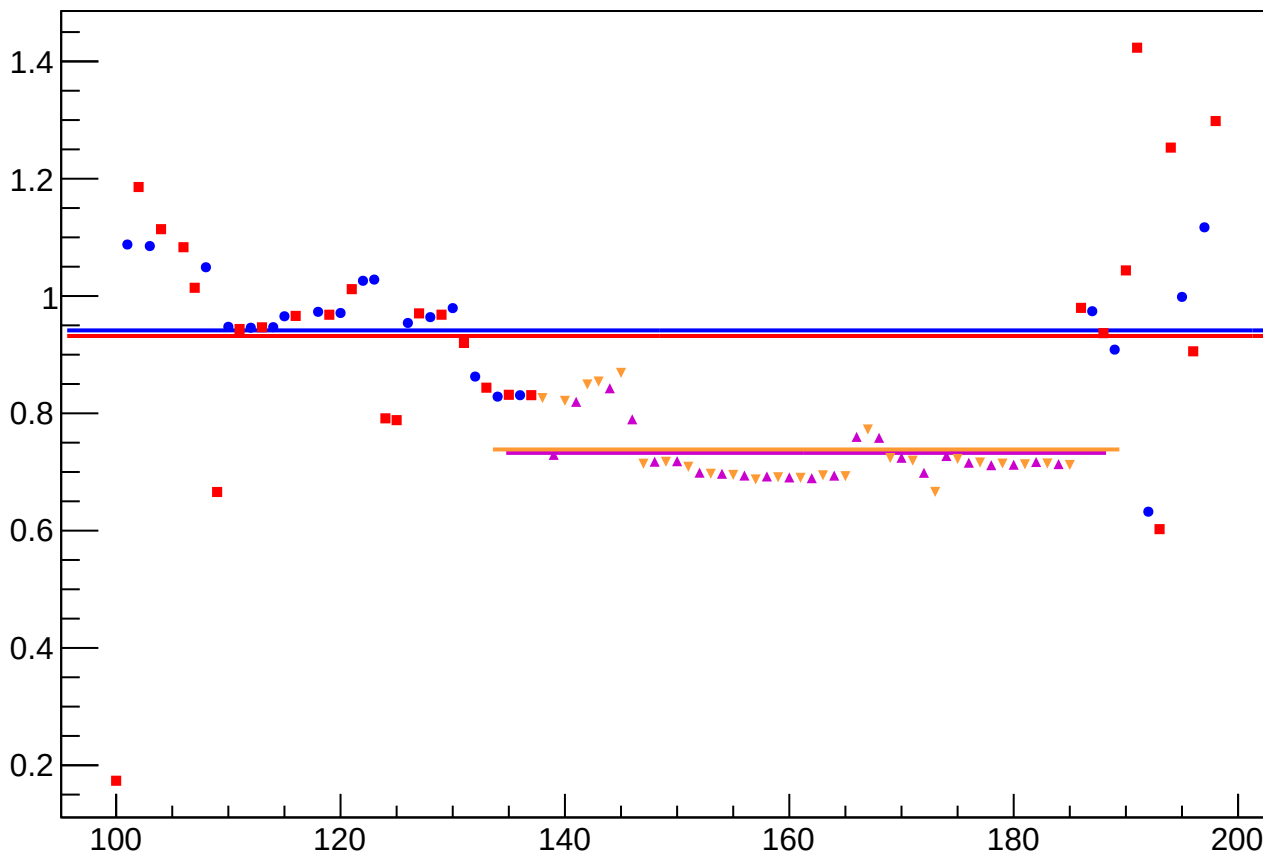
Left In: 0.013+/-0.000 χ^2/NDF : 1946693.6/22

+ sign 0.014+/-0.000 χ^2/NDF : 8360935.8/46

All: 0.014+/-0.000 χ^2/NDF : 17416128.4/96

- sign 0.015+/-0.000 χ^2/NDF : 9054306.2/49

yield_bpm11X_mean vs Slug



Right In: 0.941 $\pm$ 0.000 χ^2 /NDF: 312416196.5/21

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310195180.4/24

Right Out: 0.932 $\pm$ 0.000 χ^2 /NDF: 729908355.0/26

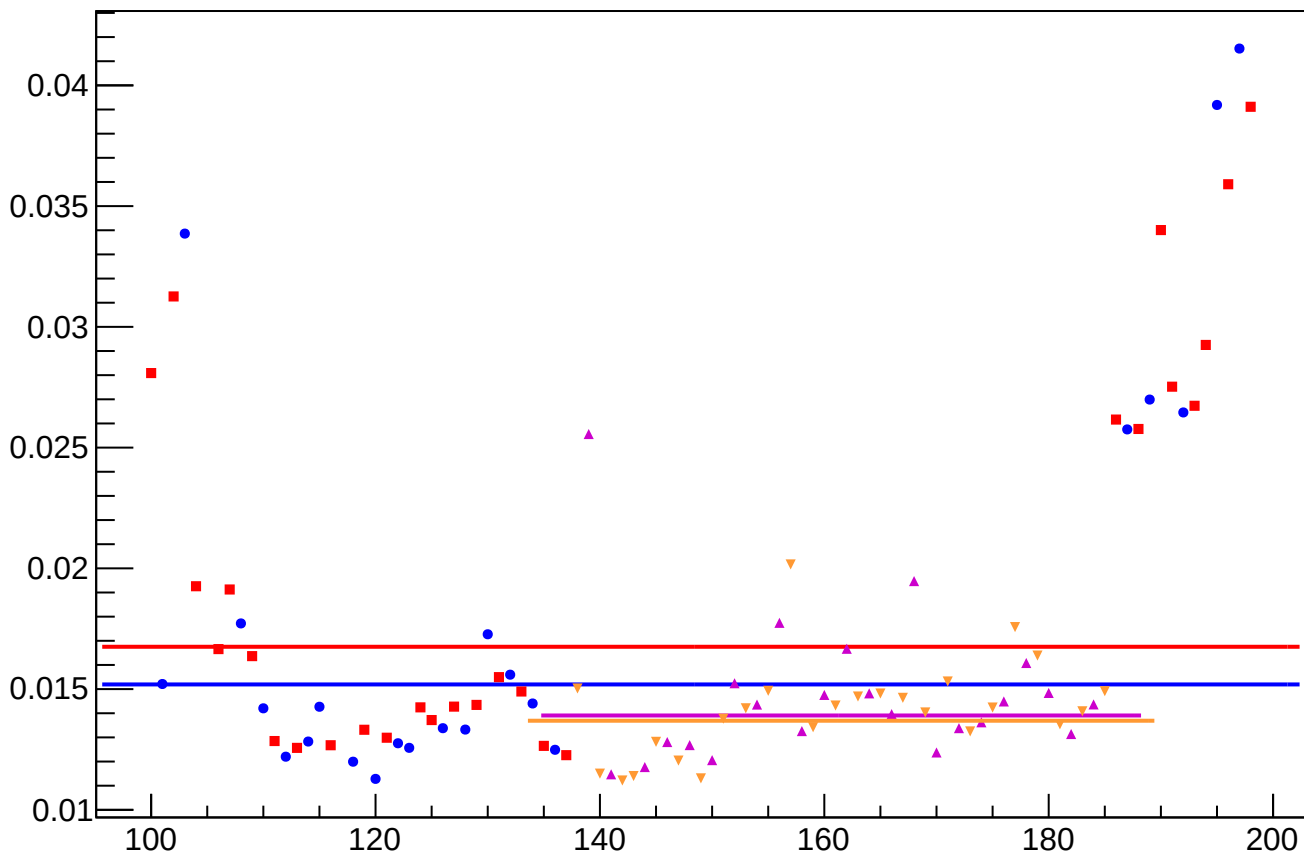
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF: 170102394.7/22

+ sign 0.796 $\pm$ 0.000 χ^2 /NDF: 1623566223.7/46

All: 0.794 $\pm$ 0.000 χ^2 /NDF: 3483855634.2/96

- sign 0.793 $\pm$ 0.000 χ^2 /NDF: 1859883240.0/49

yield_bpm11X_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 2310656.6/21

Left Out: 0.014 $\pm$ 0.000 χ^2/NDF : 528480.6/24

Right Out: 0.017 $\pm$ 0.000 χ^2/NDF : 2774793.9/26

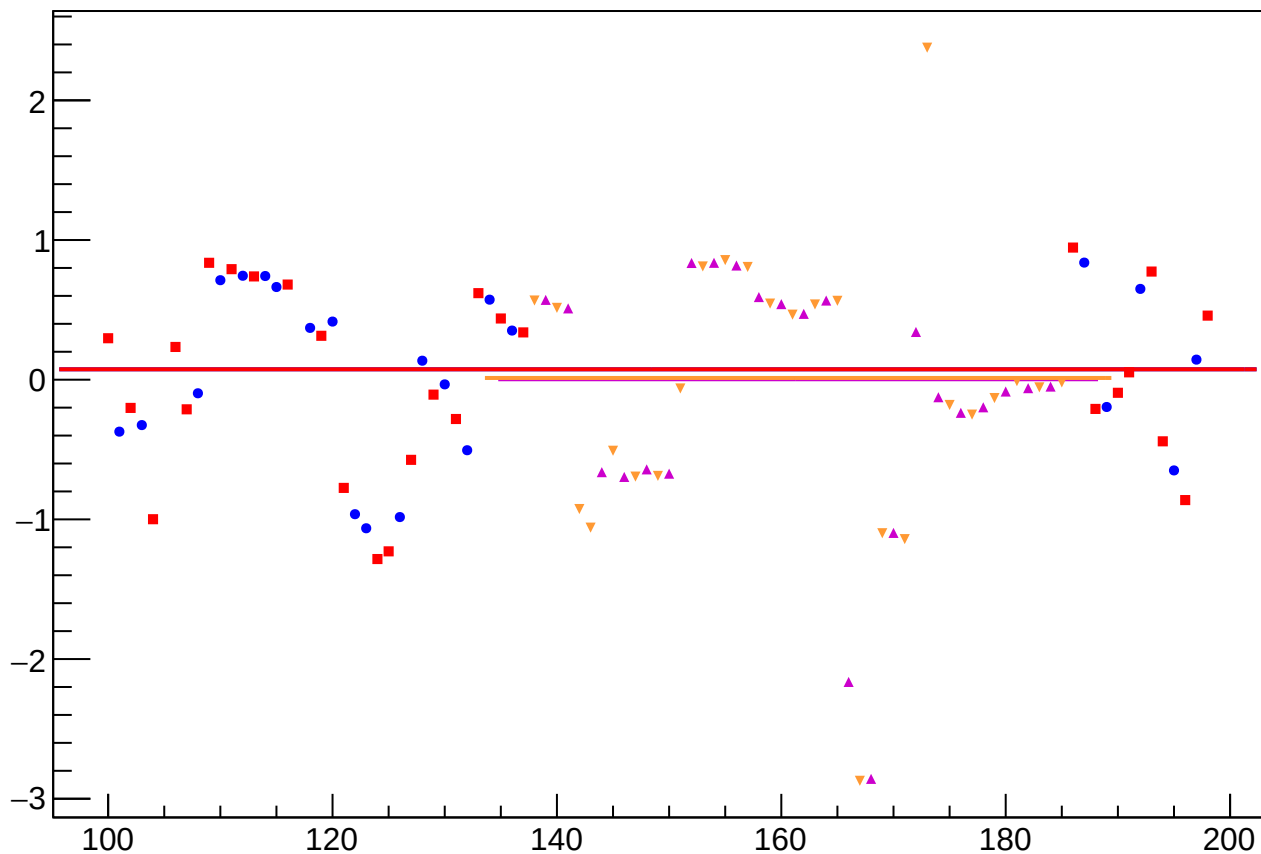
Left In: 0.014 $\pm$ 0.000 χ^2/NDF : 768161.9/22

+ sign 0.014 $\pm$ 0.000 χ^2/NDF : 2948850.6/46

All: 0.014 $\pm$ 0.000 χ^2/NDF : 6933603.2/96

- sign 0.015 $\pm$ 0.000 χ^2/NDF : 3934364.6/49

yield_bpm11Y_mean vs Slug



Right In: 0.074 $\pm$ 0.000 χ^2 /NDF: 12272454730.4/21

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 96383858927.1/24

Right Out: 0.074 $\pm$ 0.000 χ^2 /NDF: 23603857719.3/26

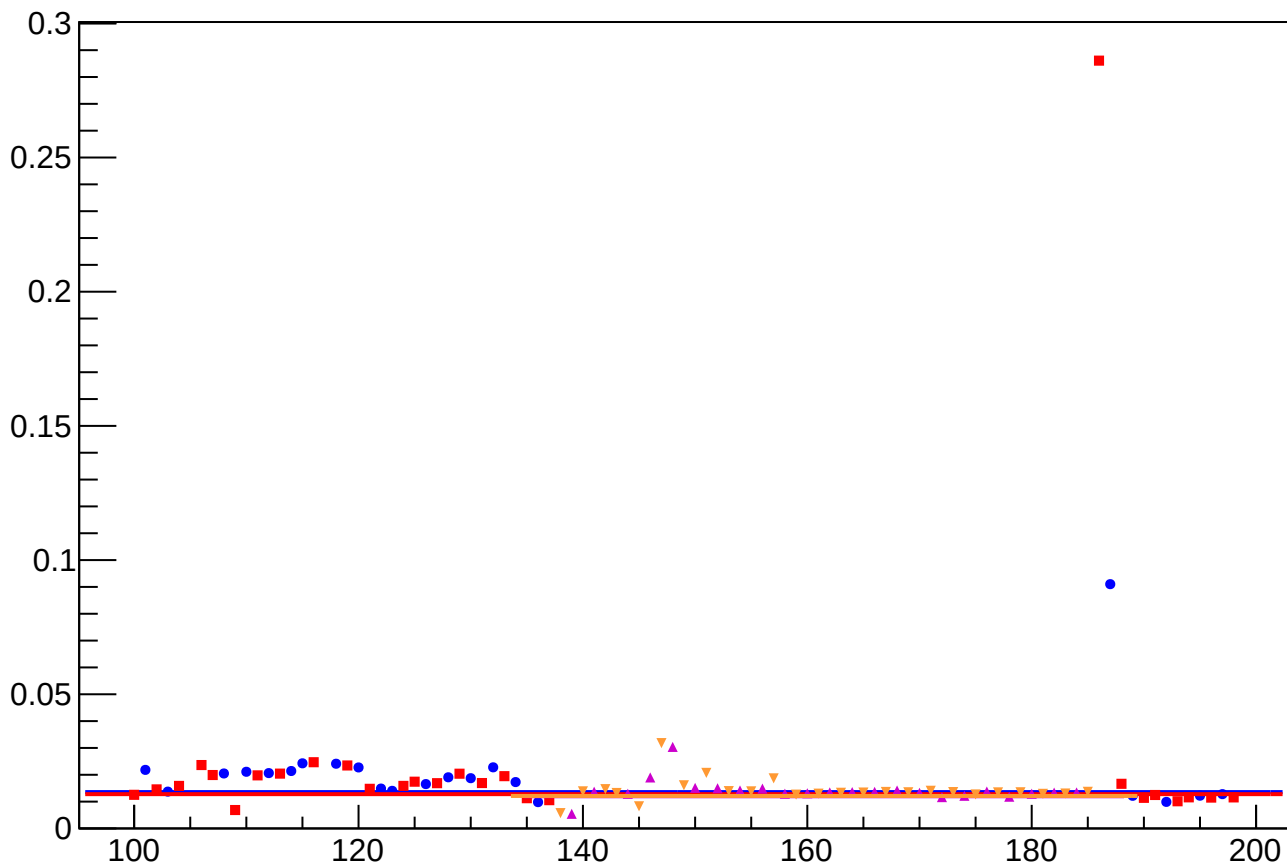
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 78826489573.0/22

+ sign 0.030 $\pm$ 0.000 χ^2 /NDF: 108776551050.9/46

All: 0.029 $\pm$ 0.000 χ^2 /NDF: 211398716317.9

- sign 0.029 $\pm$ 0.000 χ^2 /NDF: 102622039133.9/49

yield_bpm11Y_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1805928.0/21

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 3105238.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2498865.8/26

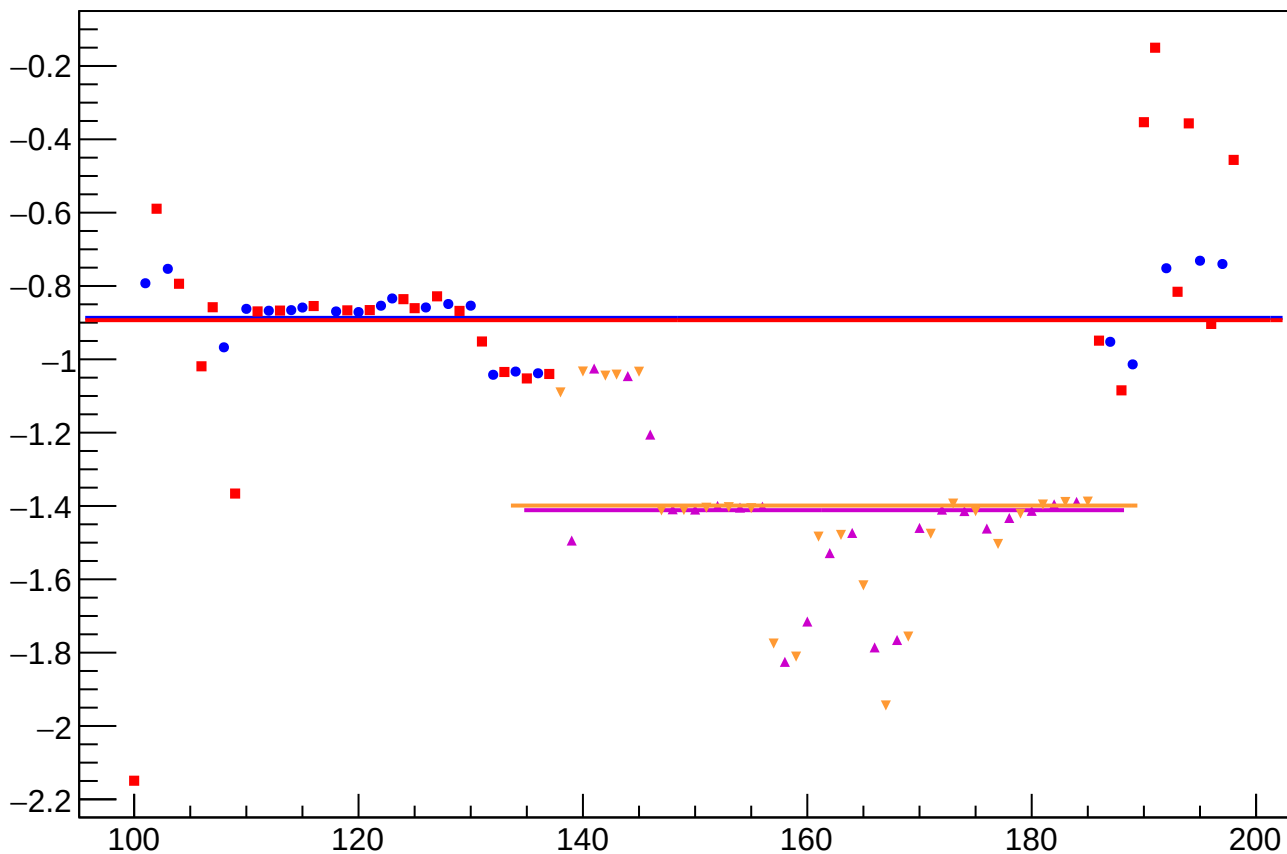
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 3003502.9/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 5040777.6/46

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10598470.4/96

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5548705.4/49

yield_bpm12X_mean vs Slug



Right In: -0.887 ± 0.000 χ^2/NDF : 48941004.4/21

Left Out: -1.399 ± 0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.893 ± 0.000 χ^2/NDF : 258608949.9/26

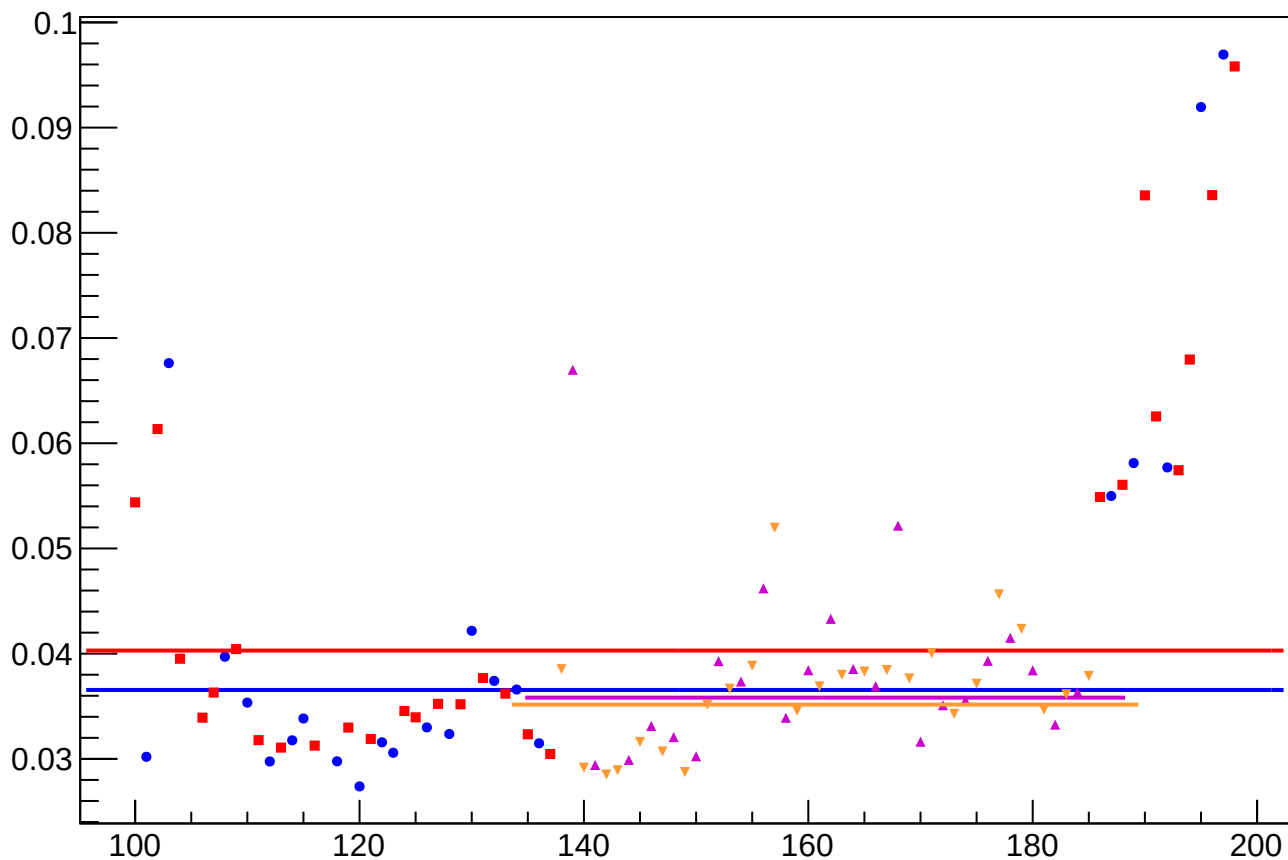
Left In: -1.411 ± 0.000 χ^2/NDF : 512547995.0/22

+ sign -1.238 ± 0.000 χ^2/NDF : 1855923861.0/46

All: -1.237 ± 0.000 χ^2/NDF : 3711440751.4/9

- sign -1.236 ± 0.000 χ^2/NDF : 1855476534.2/49

yield_bpm12X_rms vs Slug



Right In: 0.037 ± 0.000 χ^2/NDF : 1984841.8/21

Left Out: 0.035 ± 0.000 χ^2/NDF : 595219.5/24

Right Out: 0.040 ± 0.000 χ^2/NDF : 2286732.5/26

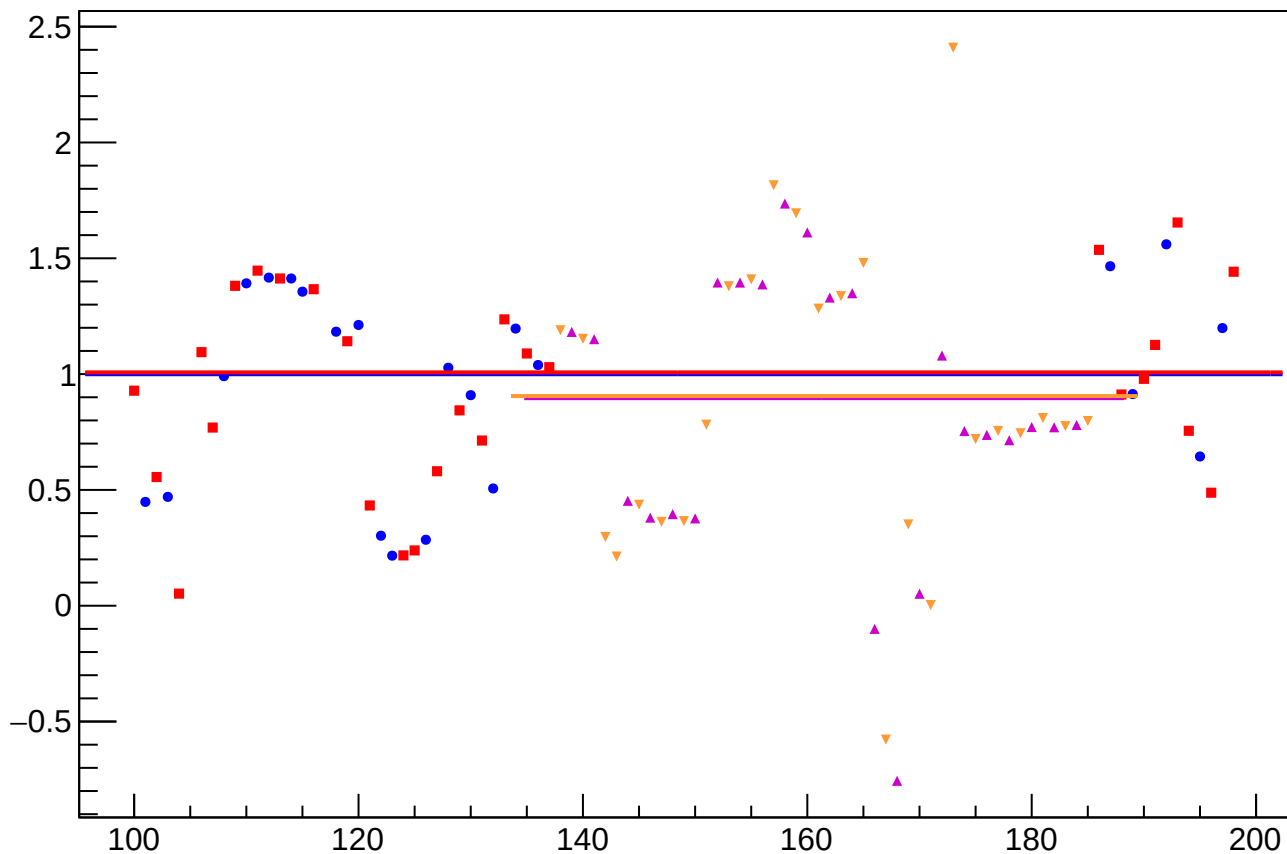
Left In: 0.036 ± 0.000 χ^2/NDF : 864147.6/22

+ sign 0.036 ± 0.000 χ^2/NDF : 2595820.9/46

All: 0.036 ± 0.000 χ^2/NDF : 5964293.7/96

- sign 0.037 ± 0.000 χ^2/NDF : 3312630.7/49

yield_bpm12Y_mean vs Slug



Right In: 0.999 $\pm$ 0.000 χ^2 /NDF: 14278678737.9/21

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 1.007 $\pm$ 0.000 χ^2 /NDF: 21542165889.0/26

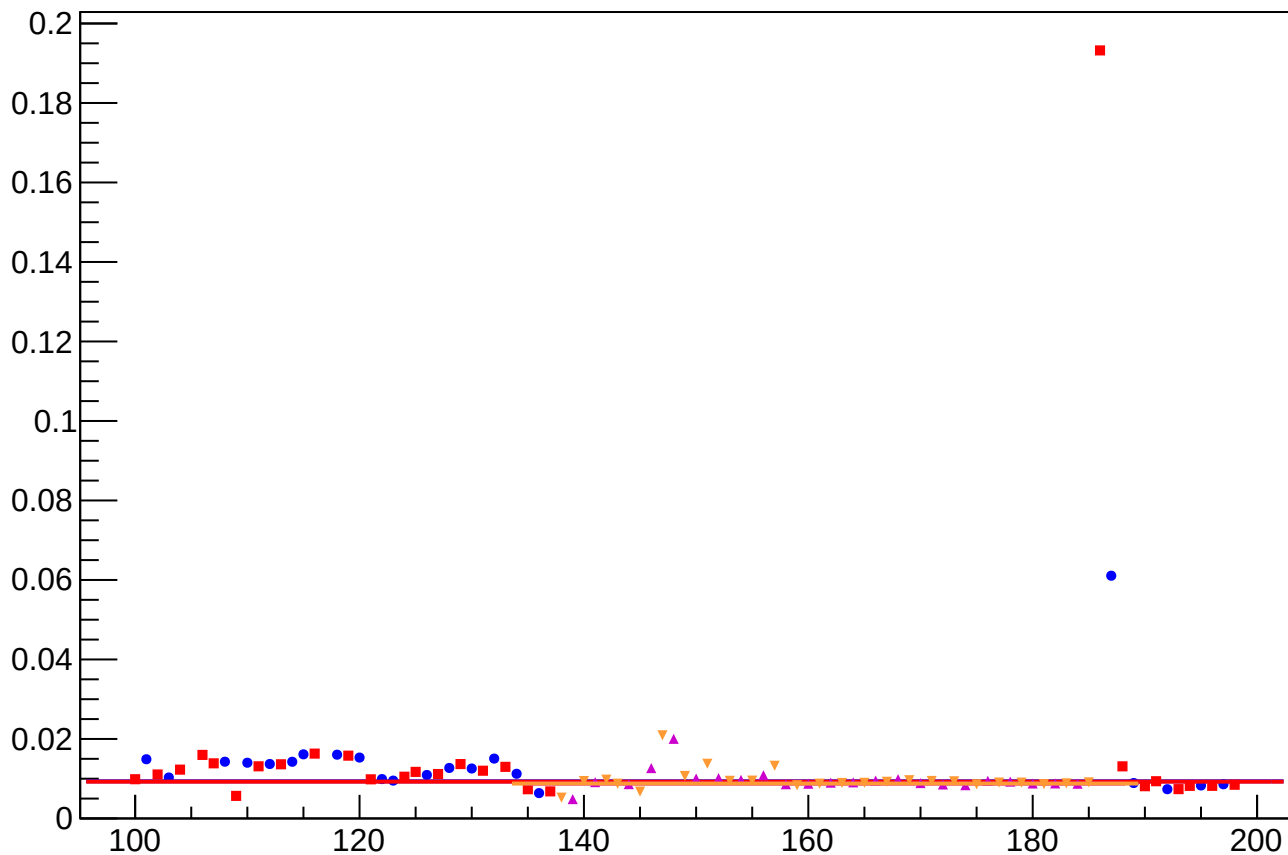
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 0.933 $\pm$ 0.000 χ^2 /NDF: 99125828083.7/46

All: 0.935 $\pm$ 0.000 χ^2 /NDF: 188179650410.6

- sign 0.936 $\pm$ 0.000 χ^2 /NDF: 89052477712.0/49

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1694404.9/21

Left Out: 0.009+/-0.000 χ^2/NDF : 1697568.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2169854.7/26

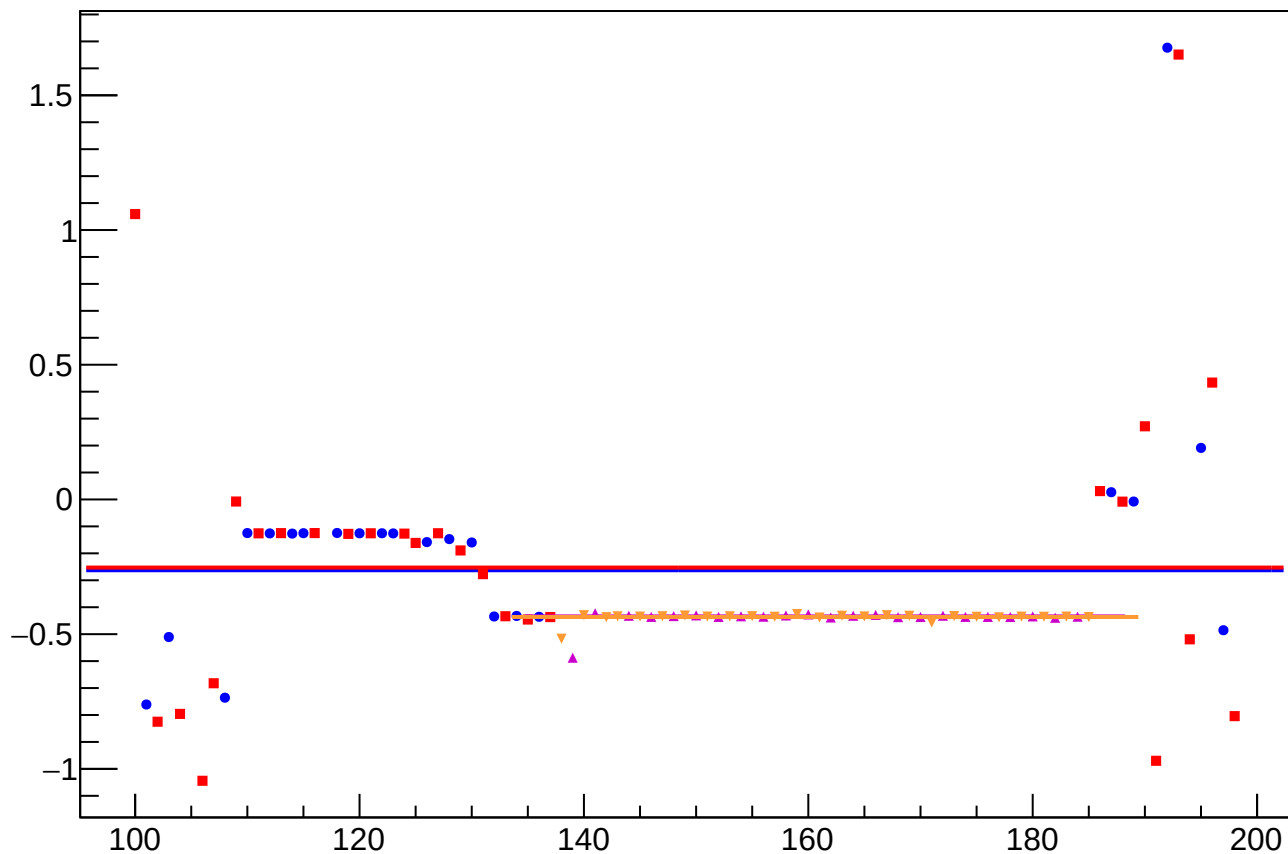
Left In: 0.009+/-0.000 χ^2/NDF : 1607939.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 3433642.1/46

All: 0.009+/-0.000 χ^2/NDF : 7247069.5/96

- sign 0.009+/-0.000 χ^2/NDF : 3813425.3/49

yield_bpm16X_mean vs Slug



Right In: -0.263+/-0.000 χ^2/NDF : 1897822852.1/21

Left Out: -0.436+/-0.000 χ^2/NDF : 28774660.0/24

Right Out: -0.253+/-0.000 χ^2/NDF : 1883117475.8/26

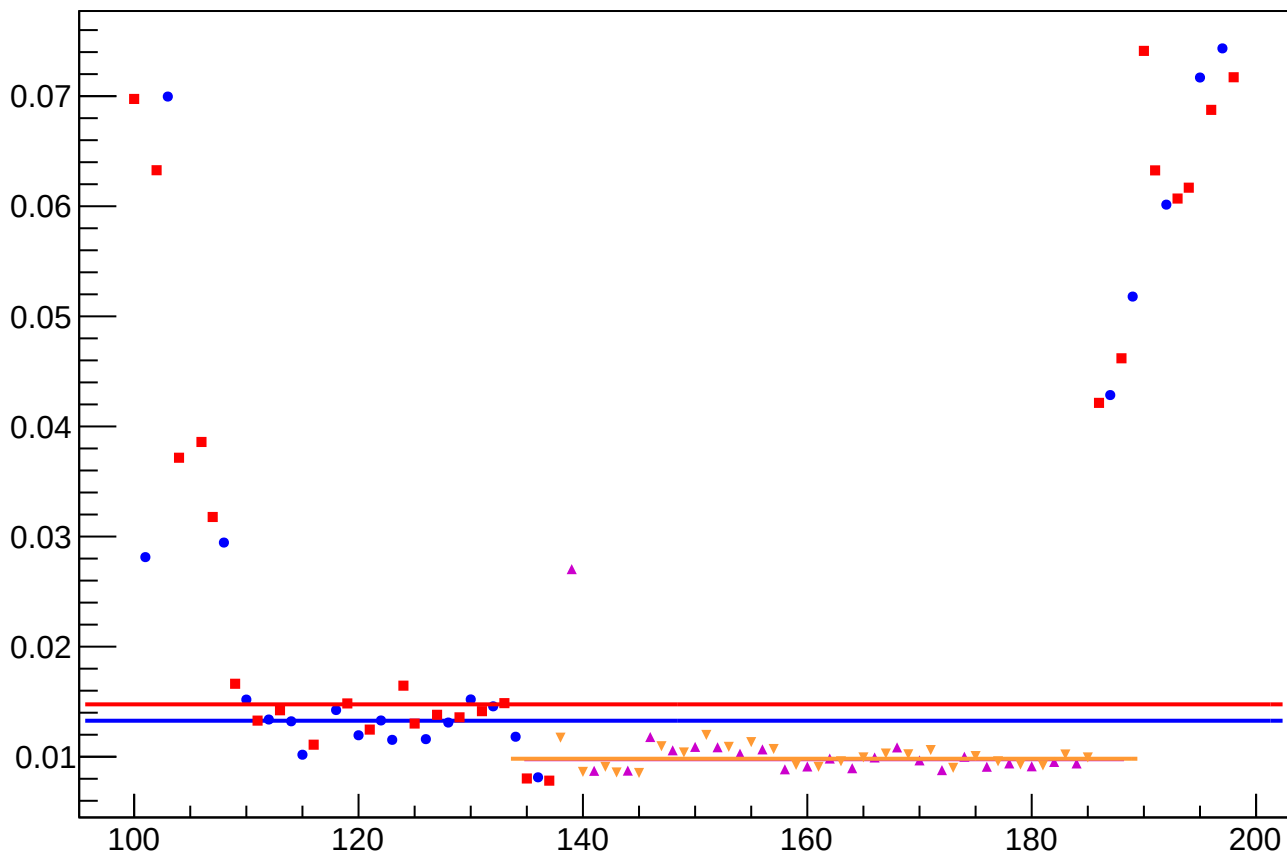
Left In: -0.434+/-0.000 χ^2/NDF : 23984173.0/22

+ sign -0.407+/-0.000 χ^2/NDF : 2746116043.5/46

All: -0.405+/-0.000 χ^2/NDF : 5505952119.1/9

- sign -0.403+/-0.000 χ^2/NDF : 2758444485.6/49

yield_bpm16X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 5465274.0/21

Left Out: 0.010+/-0.000 χ^2/NDF : 269242.6/24

Right Out: 0.015+/-0.000 χ^2/NDF : 7670348.3/26

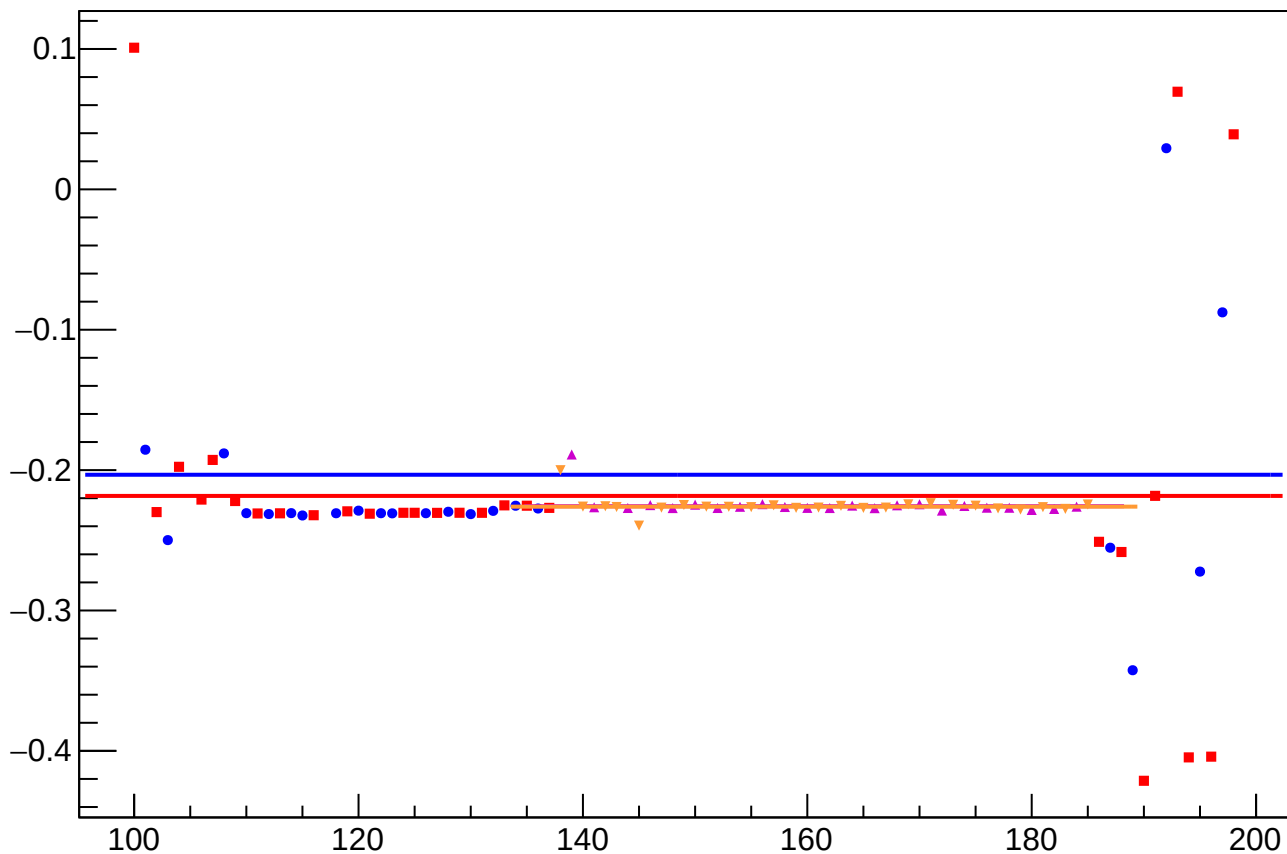
Left In: 0.010+/-0.000 χ^2/NDF : 747550.0/22

+ sign 0.010+/-0.000 χ^2/NDF : 6383525.2/46

All: 0.011+/-0.000 χ^2/NDF : 16098741.4/96

- sign 0.011+/-0.000 χ^2/NDF : 9705829.8/49

yield_bpm16Y_mean vs Slug



Right In: -0.203 ± 0.000 $\chi^2/\text{NDF}: 2211958581.9/21$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21205667.4/24$

Right Out: -0.218 ± 0.000 $\chi^2/\text{NDF}: 5464319689.5/26$

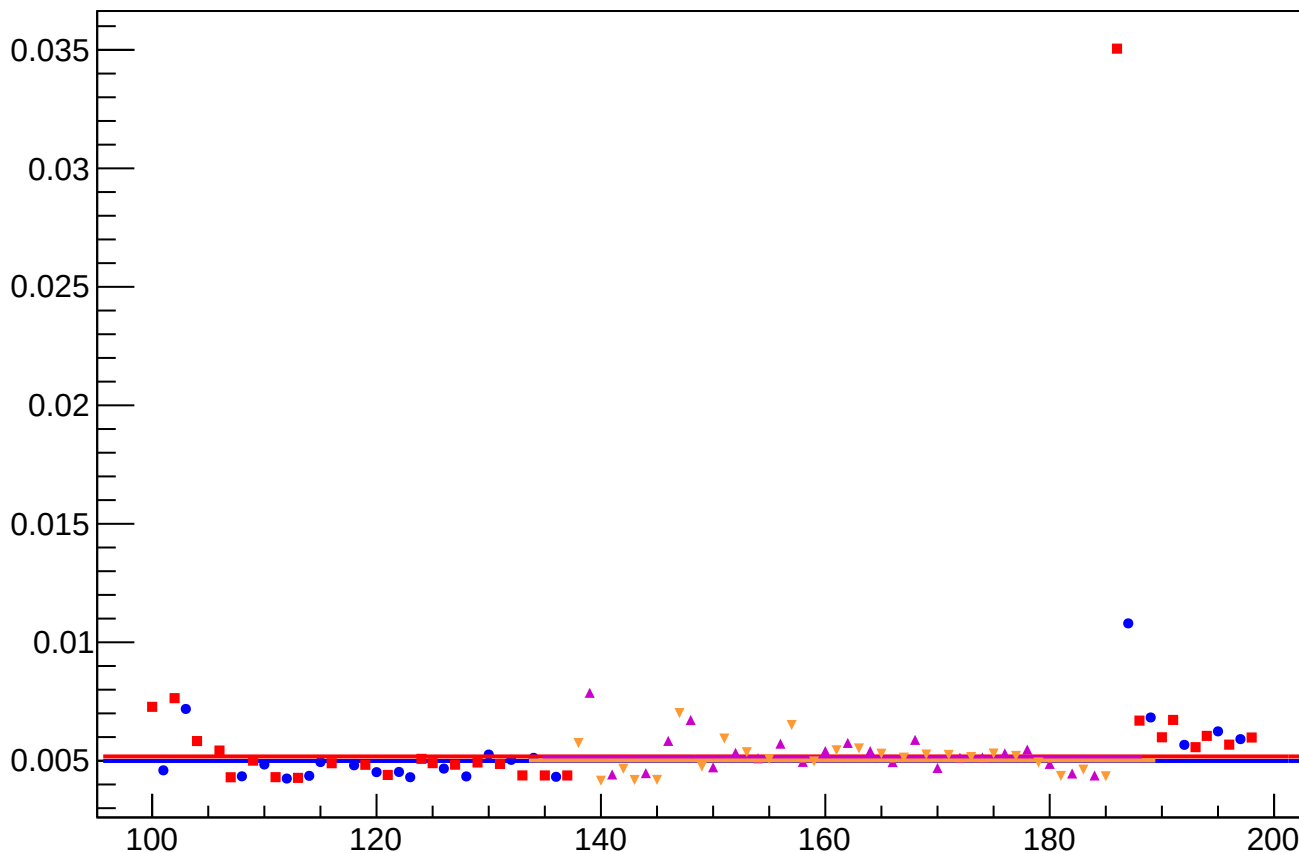
Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 15245251.1/22$

+ sign -0.218 ± 0.000 $\chi^2/\text{NDF}: 2353059555.1/46$

All: -0.221 ± 0.000 $\chi^2/\text{NDF}: 7856109365.0/9$

- sign -0.223 ± 0.000 $\chi^2/\text{NDF}: 5492613235.1/49$

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 499816.3/21

Left Out: 0.005+/-0.000 χ^2/NDF : 530632.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1053289.9/26

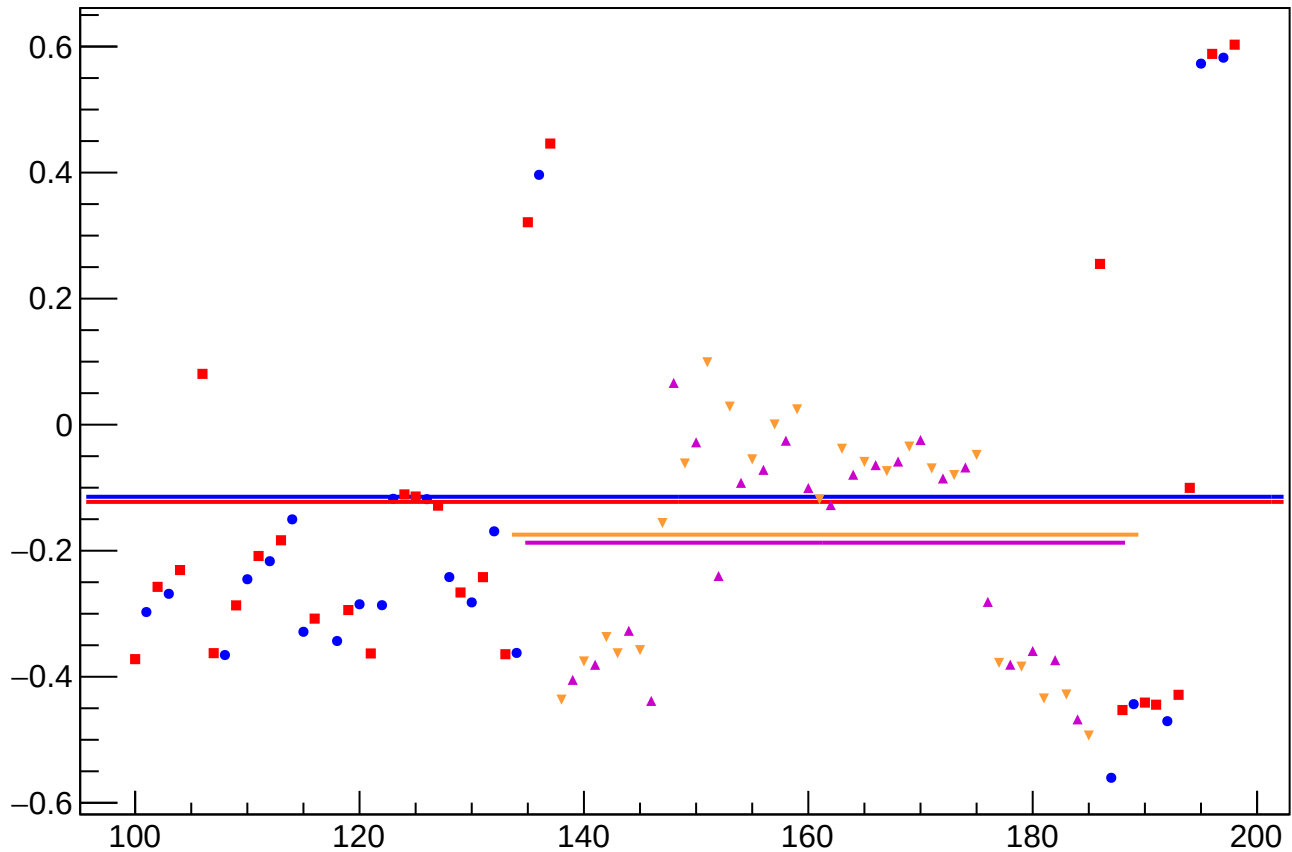
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 1030661.7/46

All: 0.005+/-0.000 χ^2/NDF : 2602255.2/96

- sign 0.005+/-0.000 χ^2/NDF : 1547063.4/49

yield_bpm0i02X_mean vs Slug



Right In: -0.114+/-0.000 χ^2/NDF : 27627894957.0/21

Left Out: -0.174+/-0.000 χ^2/NDF : 18025533236.1/24

Right Out: -0.123+/-0.000 χ^2/NDF : 30123438349.4/26

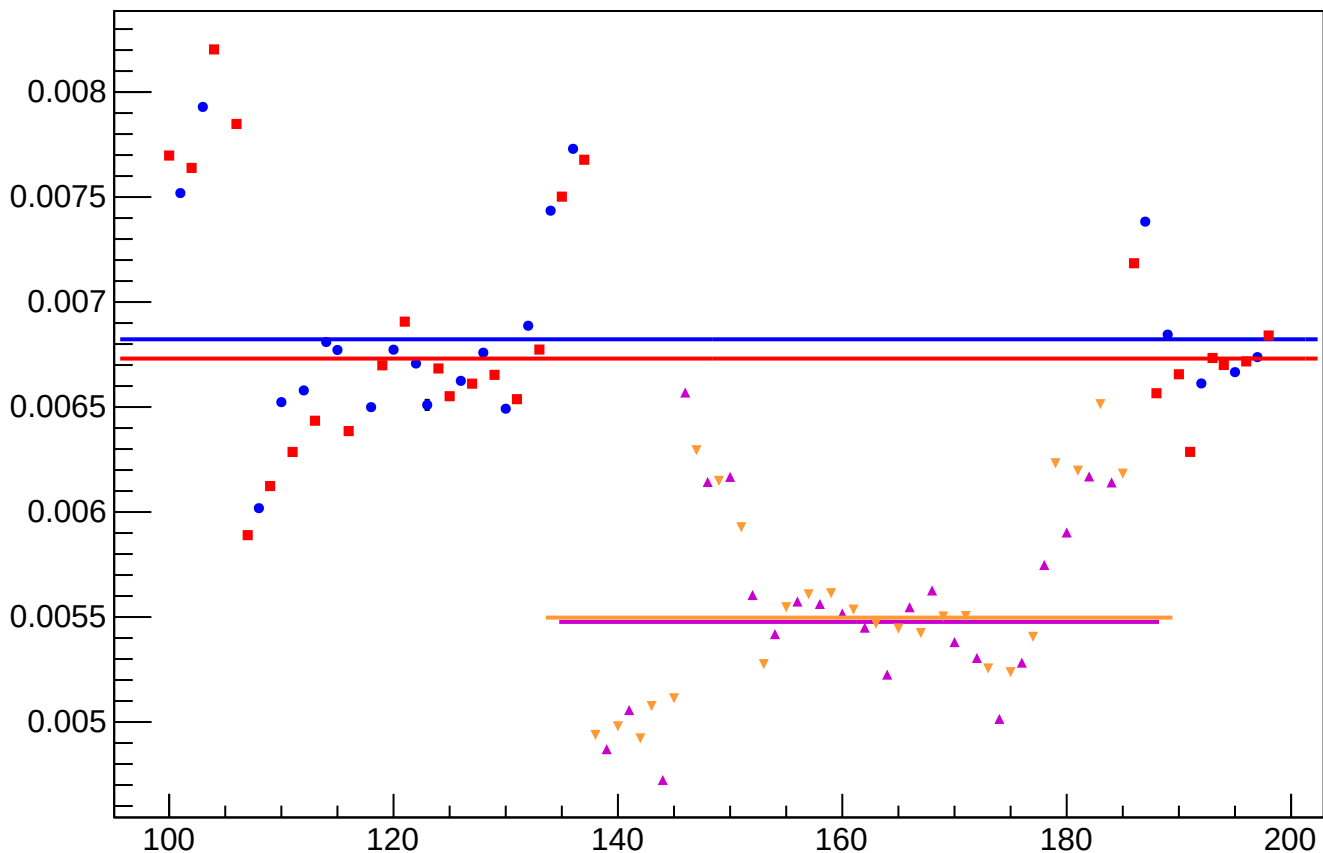
Left In: -0.187+/-0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.159+/-0.000 χ^2/NDF : 46201964034.0/46

All: -0.163+/-0.000 χ^2/NDF : 89907648201.5/100

- sign -0.166+/-0.000 χ^2/NDF : 43682421555.2/49

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 84031.1/21

Left Out: 0.005+/-0.000 χ^2/NDF : 198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 112713.1/26

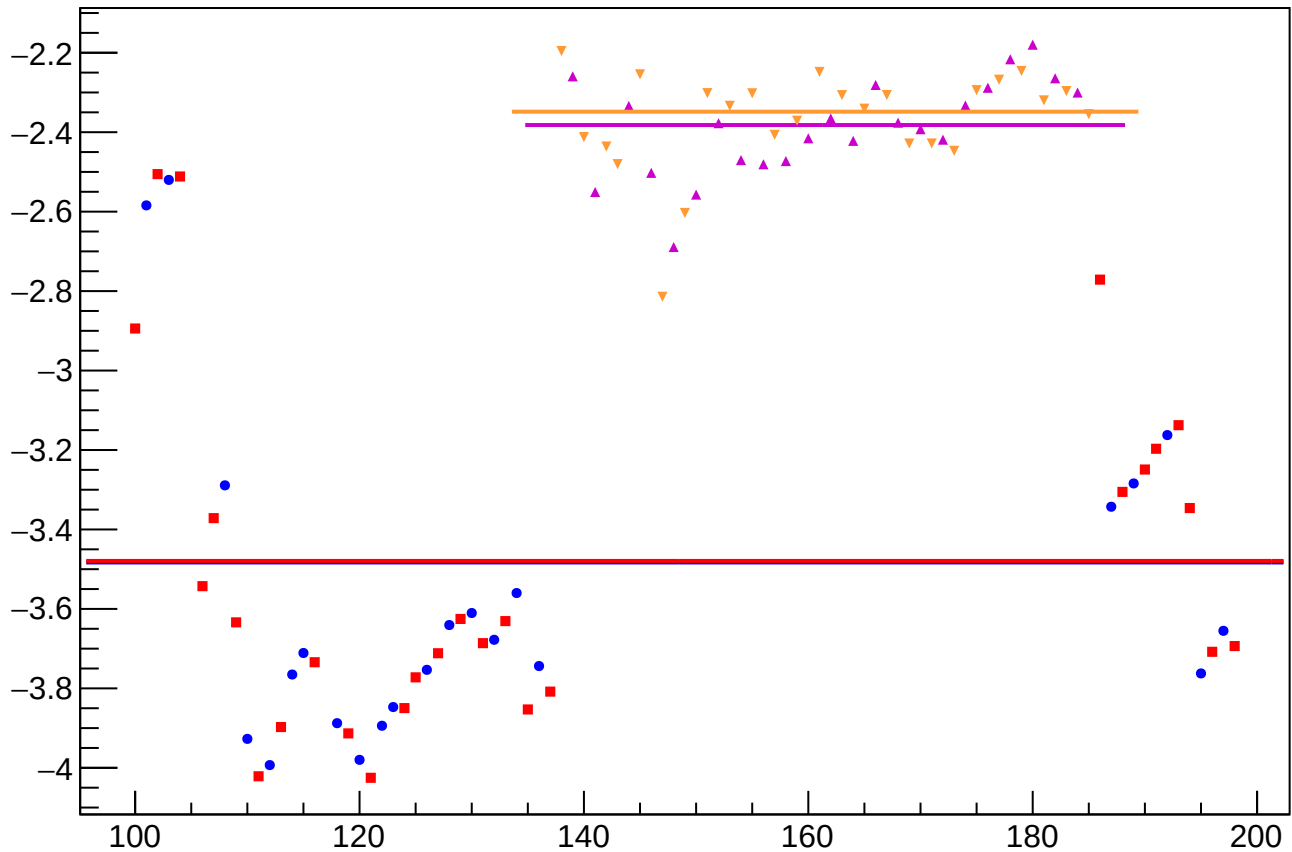
Left In: 0.005+/-0.000 χ^2/NDF : 202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 816728.9/46

All: 0.006+/-0.000 χ^2/NDF : 1689608.8/96

- sign 0.006+/-0.000 χ^2/NDF : 871811.4/49

yield_bpm0i02Y_mean vs Slug



Right In: -3.483+/-0.000 χ^2/NDF : 28631439479.5/21

Left Out: -2.348+/-0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.479+/-0.000 χ^2/NDF : 29776200579.9/26

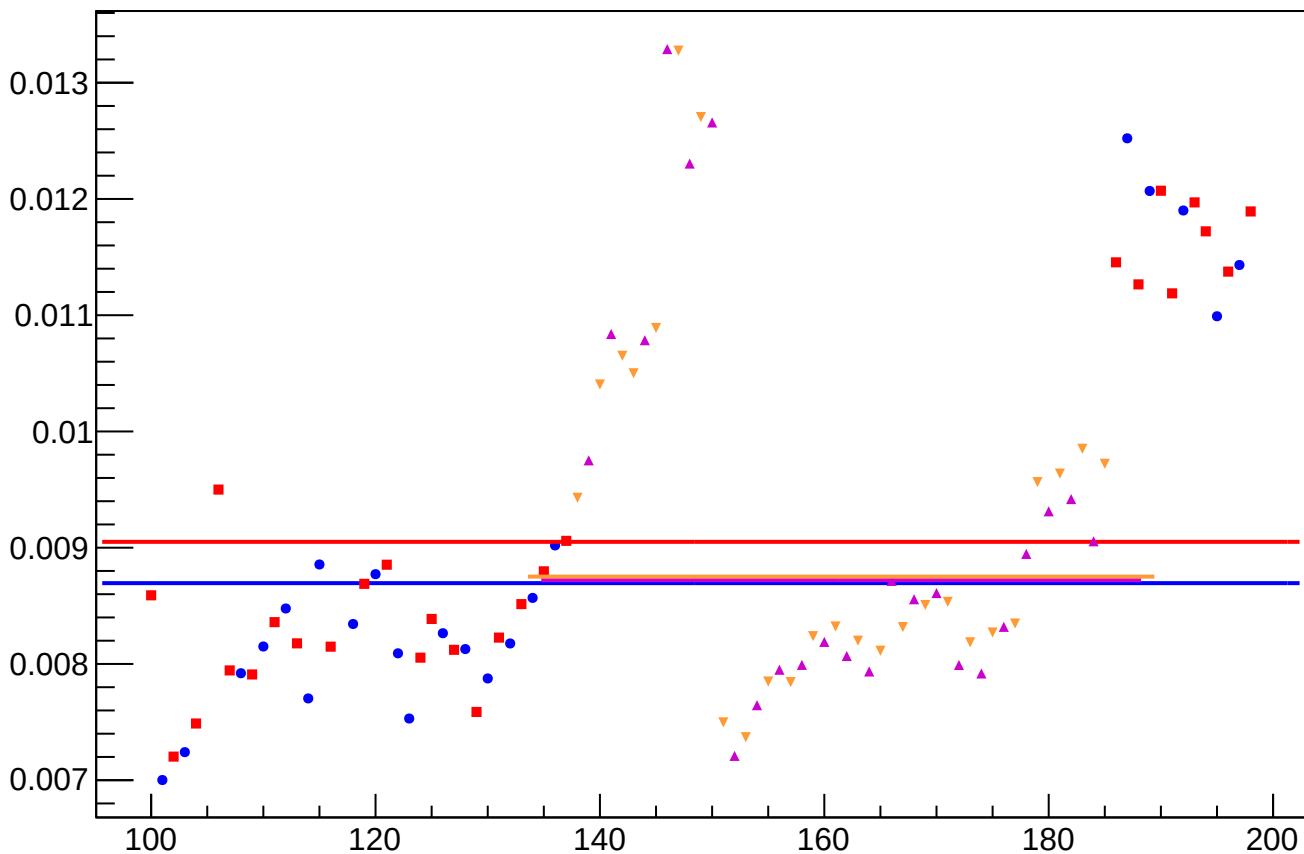
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.749+/-0.000 χ^2/NDF : 132948318064.4/46

All: -2.782+/-0.000 χ^2/NDF : 267096405329.5

- sign -2.815+/-0.000 χ^2/NDF : 133385935660.9/49

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 537078.7/21

Left Out: 0.009+/-0.000 χ^2/NDF : 663672.8/24

Right Out: 0.009+/-0.000 χ^2/NDF : 719645.1/26

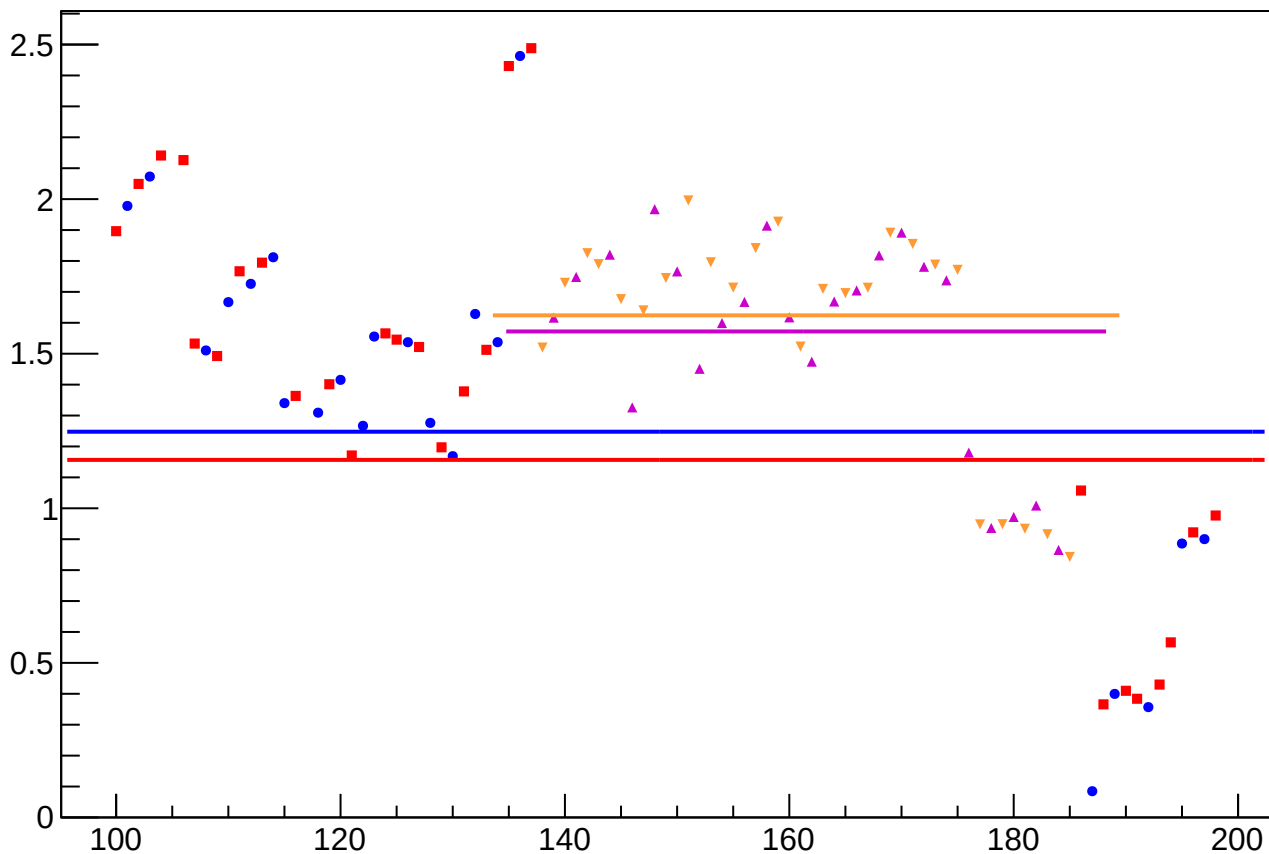
Left In: 0.009+/-0.000 χ^2/NDF : 747867.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 1201253.4/46

All: 0.009+/-0.000 χ^2/NDF : 2692047.6/96

- sign 0.009+/-0.000 χ^2/NDF : 1485835.0/49

yield_bpm0i02aX_mean vs Slug



Right In: 1.248 ± 0.000 χ^2/NDF : 26144635654.0/21

Left Out: 1.624 ± 0.000 χ^2/NDF : 16631112386.4/24

Right Out: 1.157 ± 0.000 χ^2/NDF : 32233576101.3/26

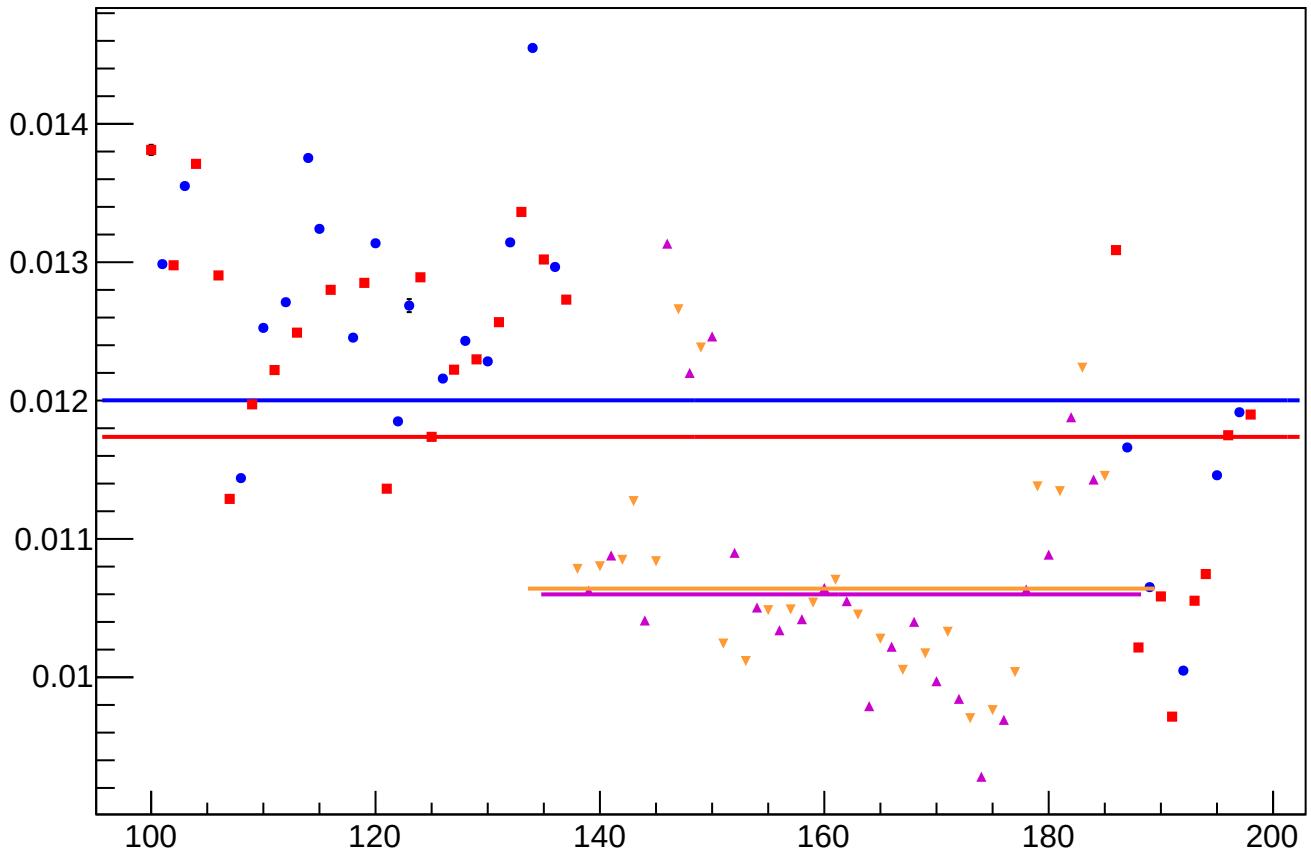
Left In: 1.572 ± 0.000 χ^2/NDF : 14230484809.4/22

+ sign 1.512 ± 0.000 χ^2/NDF : 49353497060.6/46

All: 1.465 ± 0.000 χ^2/NDF : 106115095951.2

- sign 1.420 ± 0.000 χ^2/NDF : 55795269331.8/49

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 154913.1/21

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 195582.7/26

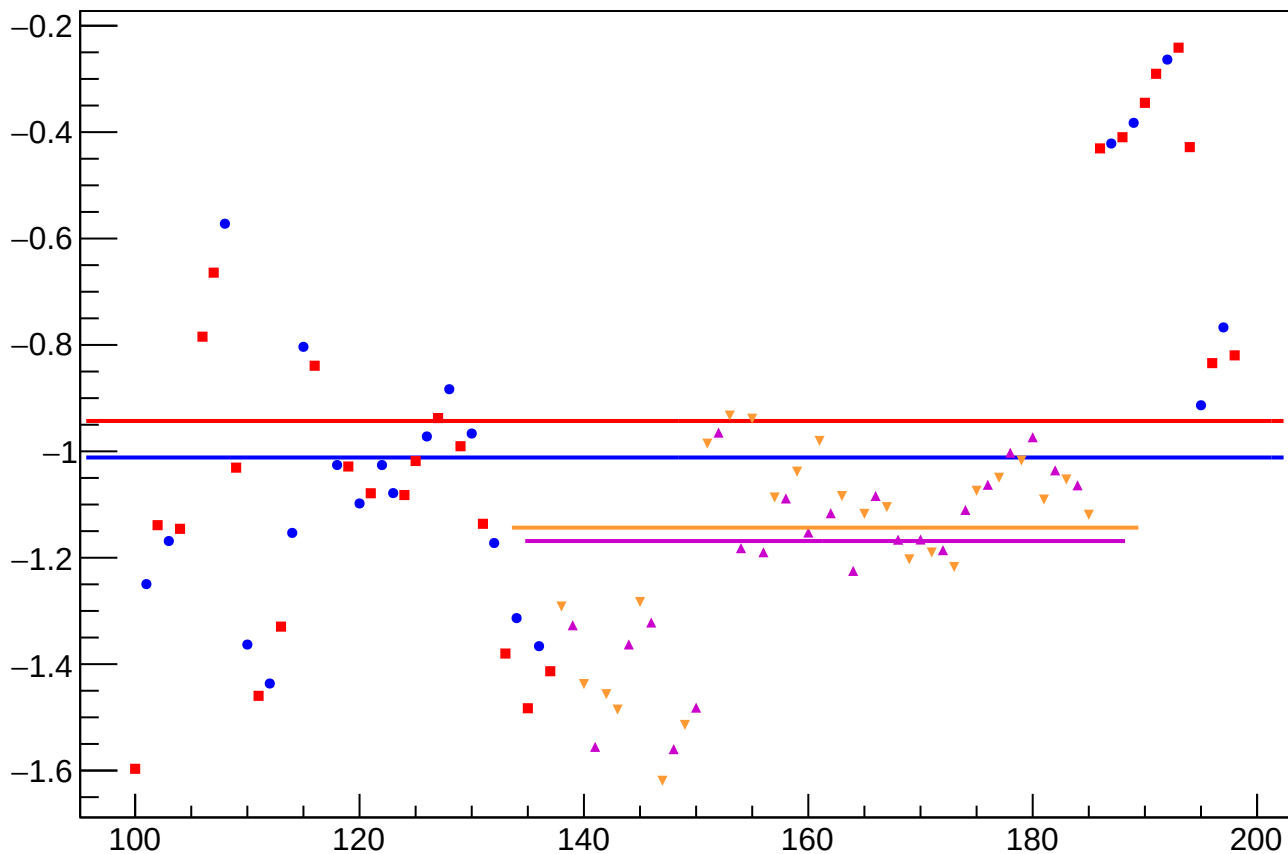
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 486607.6/46

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1027085.3/96

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 540274.0/49

yield_bpm0i02aY_mean vs Slug



Right In: -1.012 ± 0.000 $\chi^2/\text{NDF}: 10440864490.5/21$

Left Out: -1.143 ± 0.000 $\chi^2/\text{NDF}: 7976364534.0/24$

Right Out: -0.943 ± 0.000 $\chi^2/\text{NDF}: 15704390039.3/26$

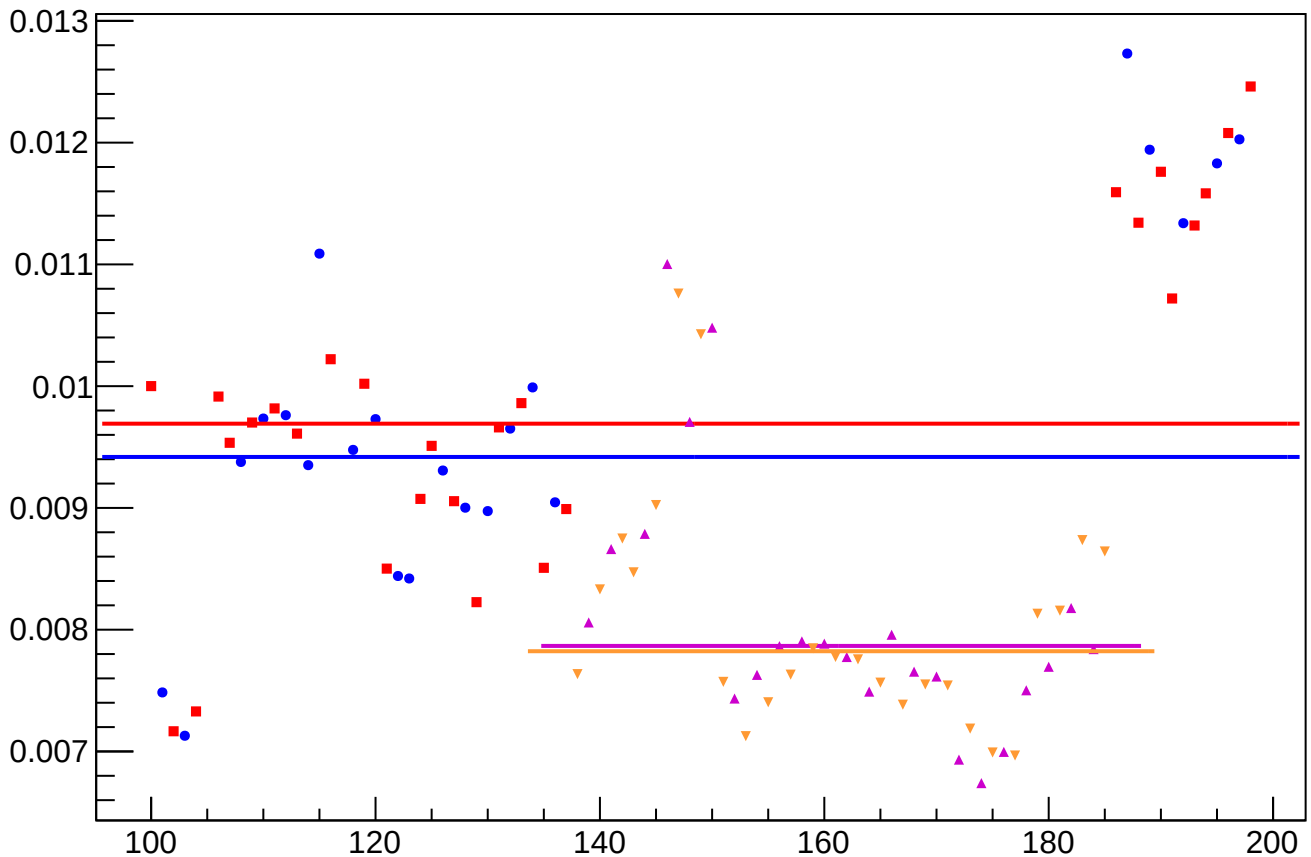
Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

+ sign -1.108 ± 0.000 $\chi^2/\text{NDF}: 19731717187.8/46$

All: -1.103 ± 0.000 $\chi^2/\text{NDF}: 46021532128.2/100$

- sign -1.098 ± 0.000 $\chi^2/\text{NDF}: 26269715703.1/49$

yield_bpm0i02aY_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 458700.7/21

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 336387.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 587833.9/26

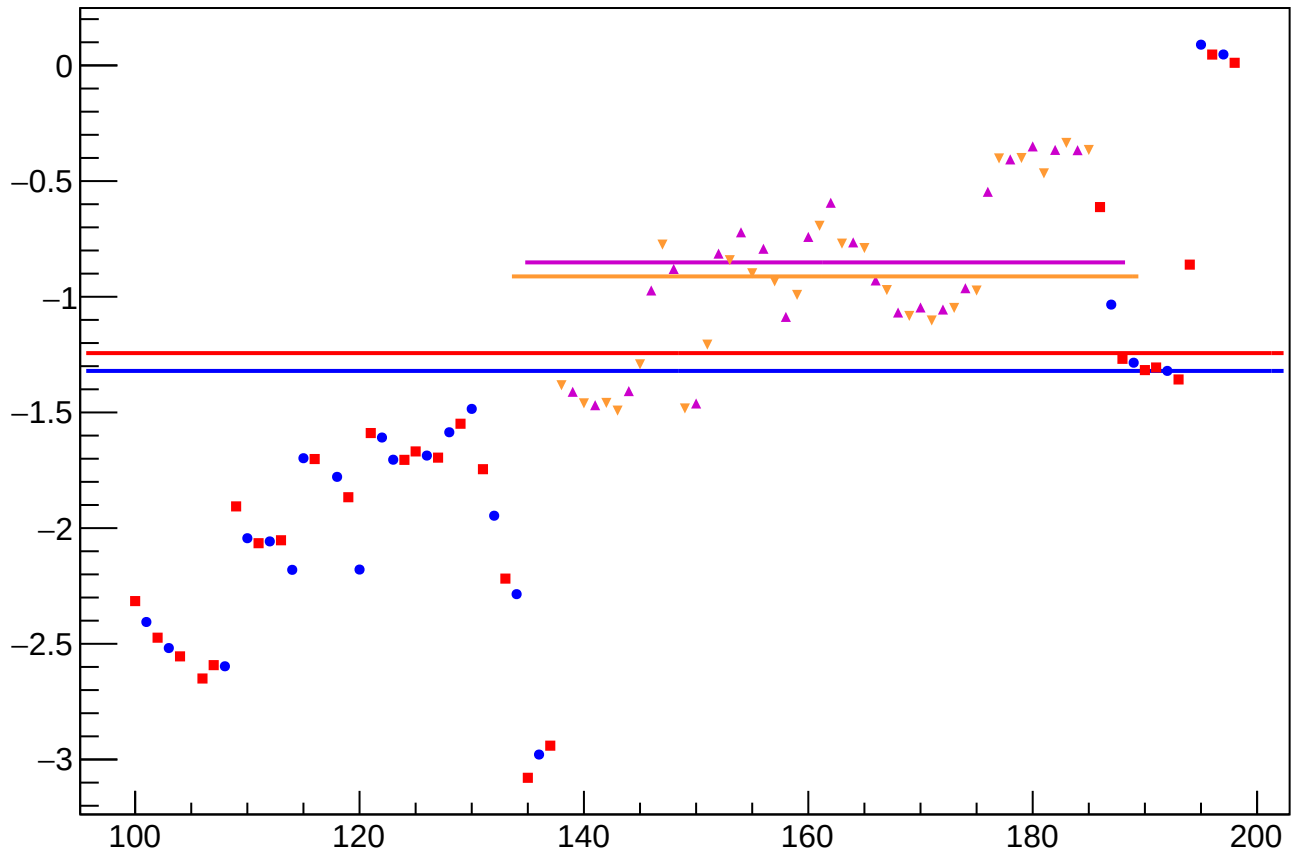
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 379901.3/22

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 1180090.4/46

All: 0.008 $\pm$ 0.000 χ^2/NDF : 2710958.7/96

- sign 0.008 $\pm$ 0.000 χ^2/NDF : 1517430.9/49

yield_bpm0i05X_mean vs Slug



Right In: -1.321 ± 0.000 $\chi^2/\text{NDF}: 211743562483.4/21$

Left Out: -0.912 ± 0.000 $\chi^2/\text{NDF}: 49039425818.1/24$

Right Out: -1.244 ± 0.000 $\chi^2/\text{NDF}: 244724246979.5/26$

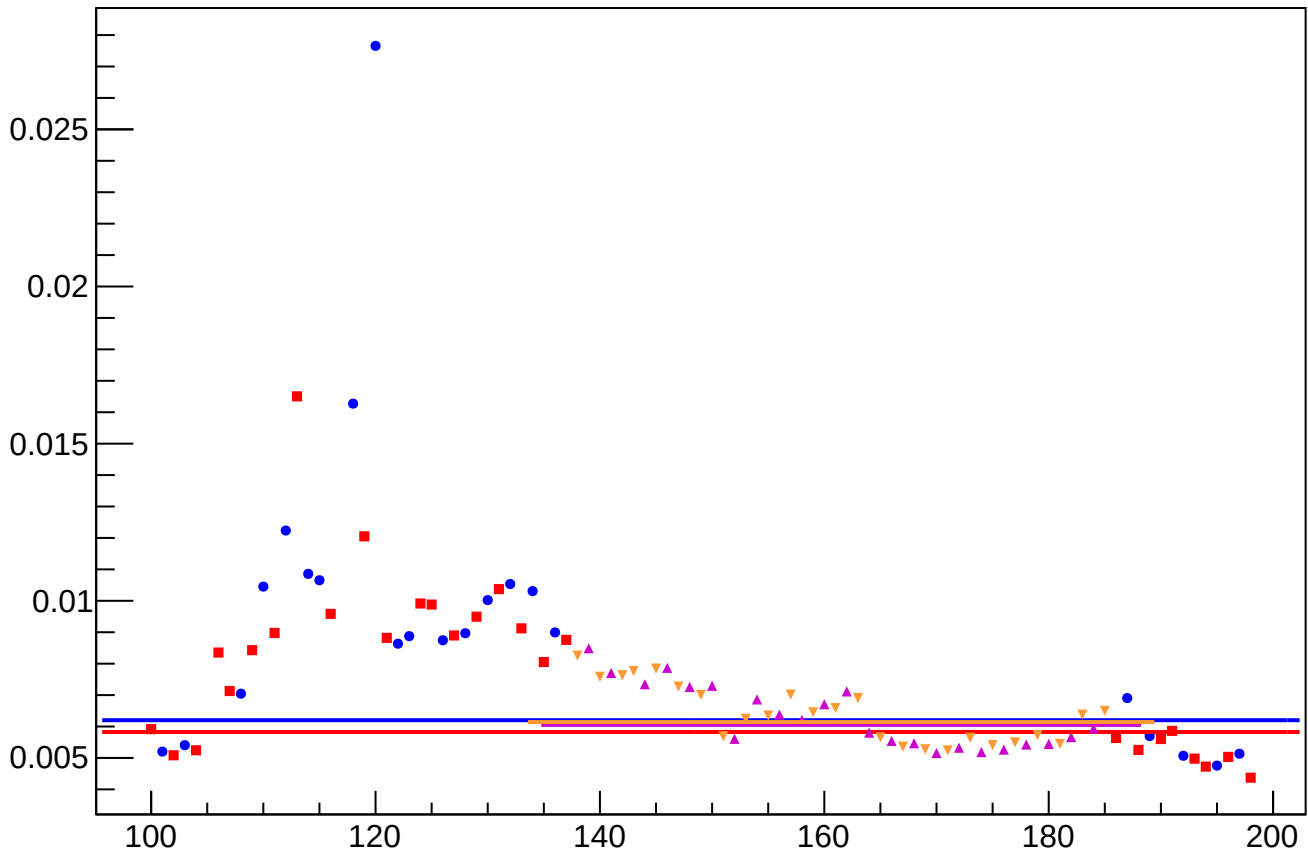
Left In: -0.851 ± 0.000 $\chi^2/\text{NDF}: 46438446008.2/22$

+ sign -1.037 ± 0.000 $\chi^2/\text{NDF}: 283570187881.5/46$

All: -1.022 ± 0.000 $\chi^2/\text{NDF}: 601806981534.6$

- sign -1.009 ± 0.000 $\chi^2/\text{NDF}: 317953887292.3/49$

yield_bpm0i05X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1829279.3/21

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:637765.4/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1833068.5/26

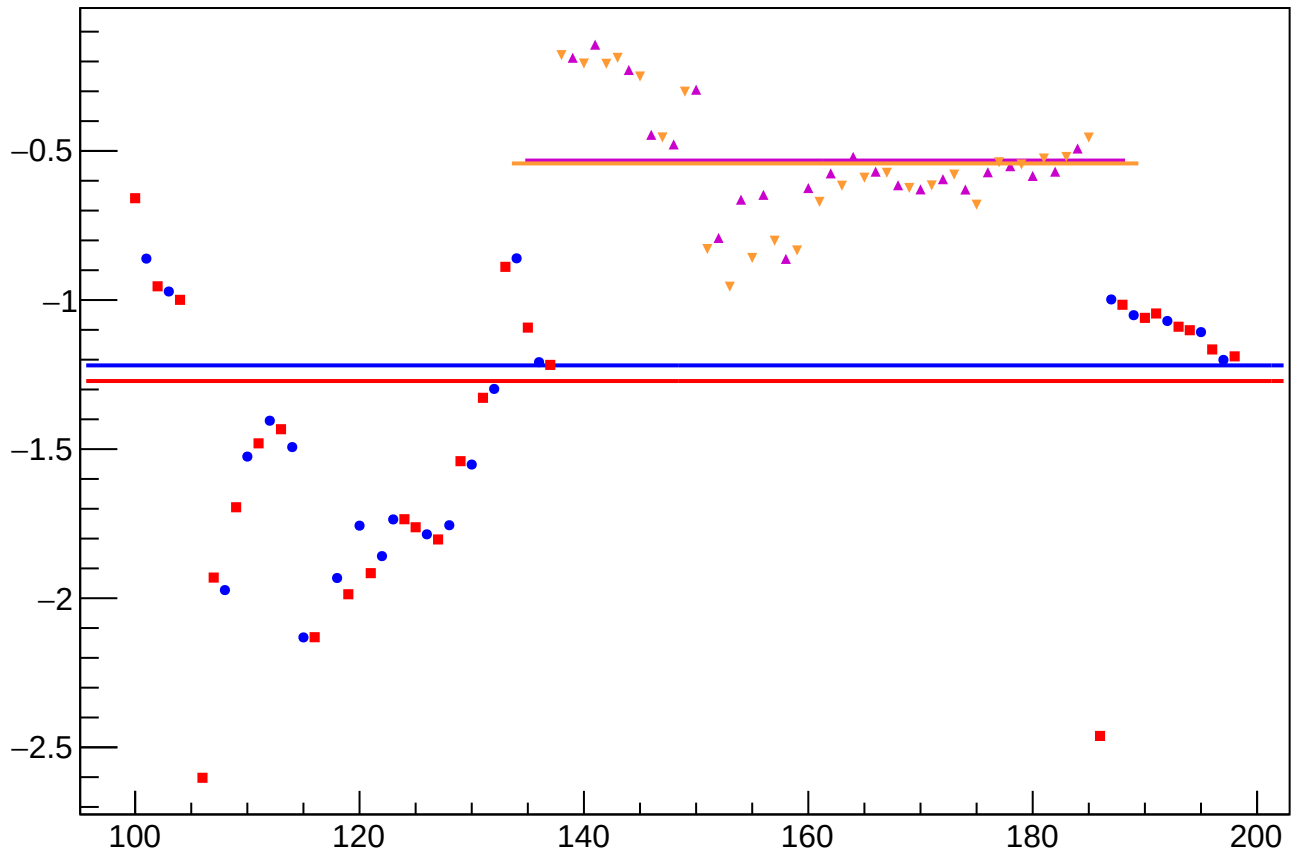
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:697577.8/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2467984.9/46

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 5043367.0/96

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2548563.3/49

yield_bpm0i05Y_mean vs Slug



Right In: -1.219+/-0.000 χ^2/NDF : 26161033181.6/21

Left Out: -0.542+/-0.000 χ^2/NDF : 47268284910.3/24

Right Out: -1.272+/-0.000 χ^2/NDF : 77949403733.1/26

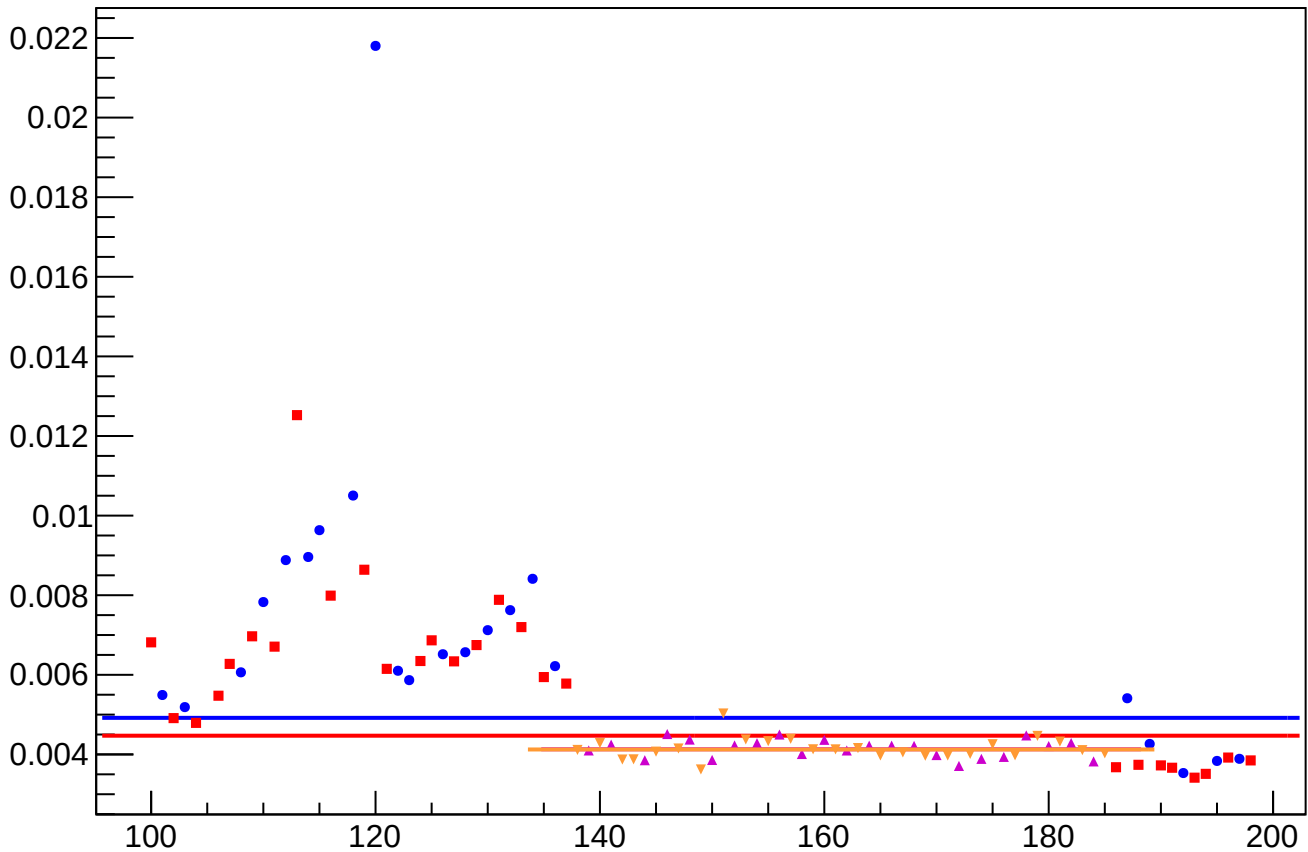
Left In: -0.532+/-0.000 χ^2/NDF : 30715235426.8/22

+ sign -0.705+/-0.000 χ^2/NDF : 182940204667.9/46

All: -0.747+/-0.000 χ^2/NDF : 471043913721.4

- sign -0.785+/-0.000 χ^2/NDF : 283733440350.8/49

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1675324.9/21

Left Out: 0.004+/-0.000 χ^2/NDF :113033.9/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1781598.2/26

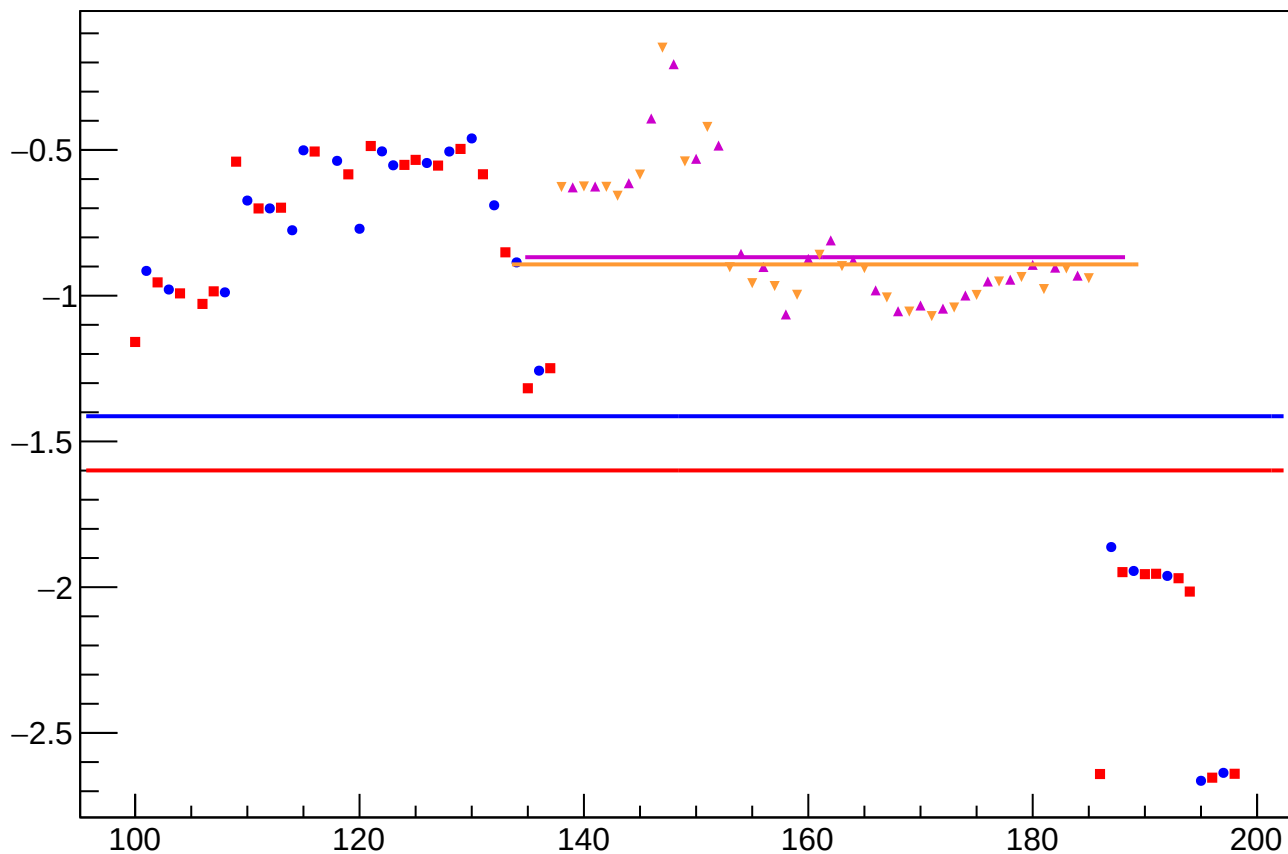
Left In: 0.004+/-0.000 χ^2/NDF :93111.2/22

+ sign 0.004+/-0.000 χ^2/NDF : 2089786.7/46

All: 0.004+/-0.000 χ^2/NDF : 4045445.4/96

- sign 0.004+/-0.000 χ^2/NDF : 1949093.4/49

yield_bpm0i07X_mean vs Slug



Right In: -1.414+/-0.000 χ^2 /NDF: 167850601871.6/21

Left Out: -0.893+/-0.000 χ^2 /NDF: 40787012603.8/24

Right Out: -1.599+/-0.000 χ^2 /NDF: 259729070064.1/26

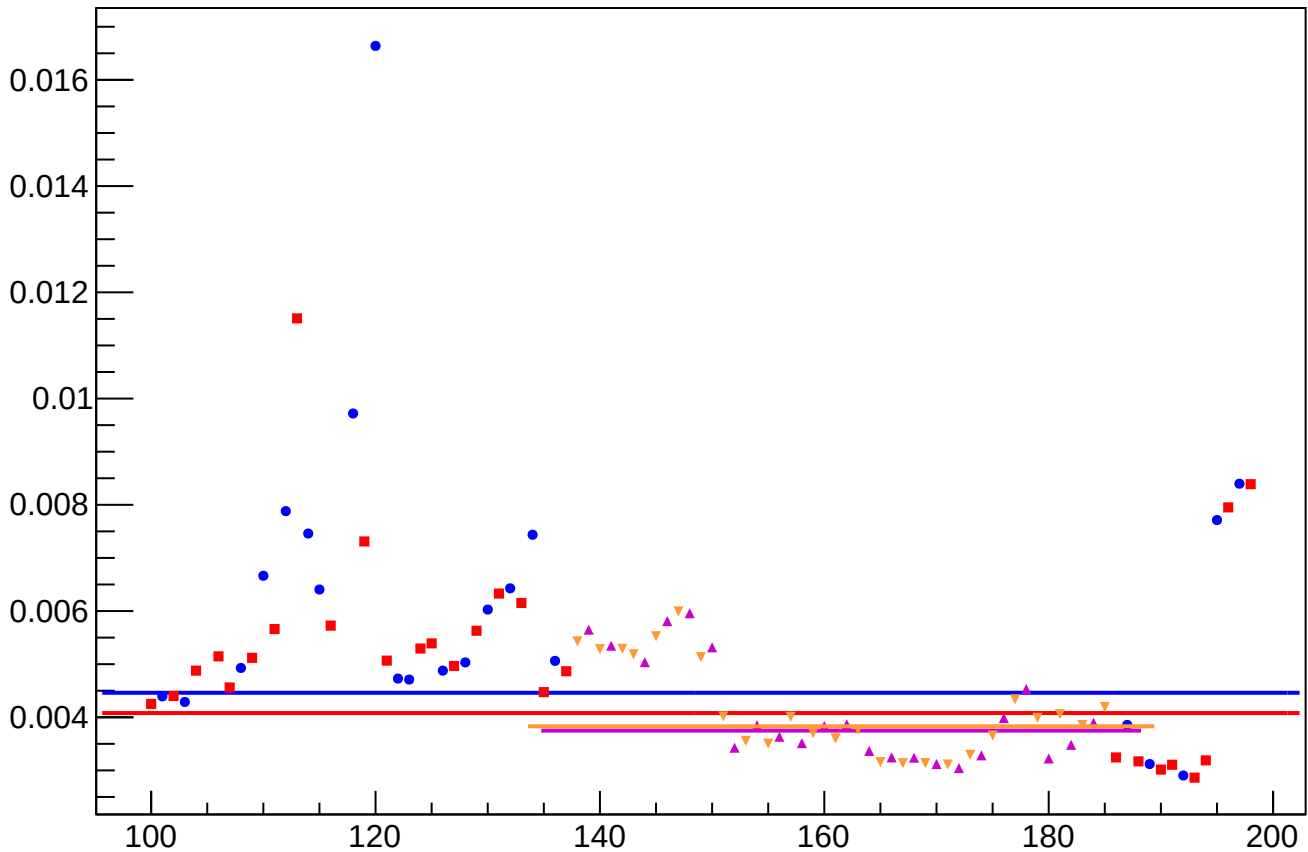
Left In: -0.868+/-0.000 χ^2 /NDF: 43853190177.2/22

+ sign -1.025+/-0.000 χ^2 /NDF: 286025870043.4/46

All: -1.075+/-0.000 χ^2 /NDF: 802530656149.9

- sign -1.120+/-0.000 χ^2 /NDF: 509248507002.2/49

yield_bpm0i07X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 2182166.3/21

Left Out: 0.004+/-0.000 χ^2/NDF : 1179801.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 2379448.8/26

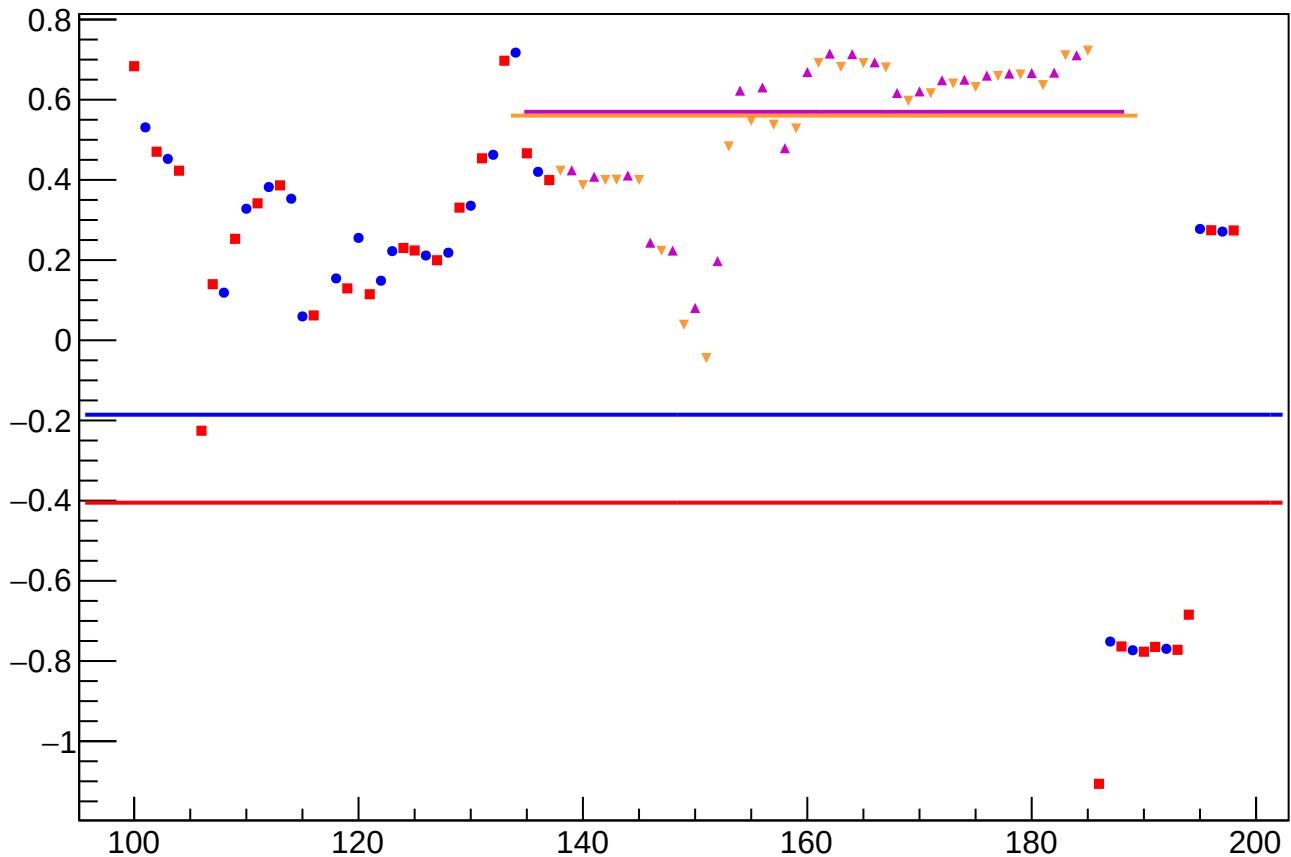
Left In: 0.004+/-0.000 χ^2/NDF : 1288490.4/22

+ sign 0.004+/-0.000 χ^2/NDF : 3588790.1/46

All: 0.004+/-0.000 χ^2/NDF : 7366915.6/96

- sign 0.004+/-0.000 χ^2/NDF : 3752065.9/49

yield_bpm0i07Y_mean vs Slug



Right In: -0.186 ± 0.000 $\chi^2/\text{NDF}: 250807183097.3/21$

Left Out: 0.560 ± 0.000 $\chi^2/\text{NDF}: 45205806387.2/24$

+ sign 0.315 ± 0.000 $\chi^2/\text{NDF}: 592772551793.5/46$

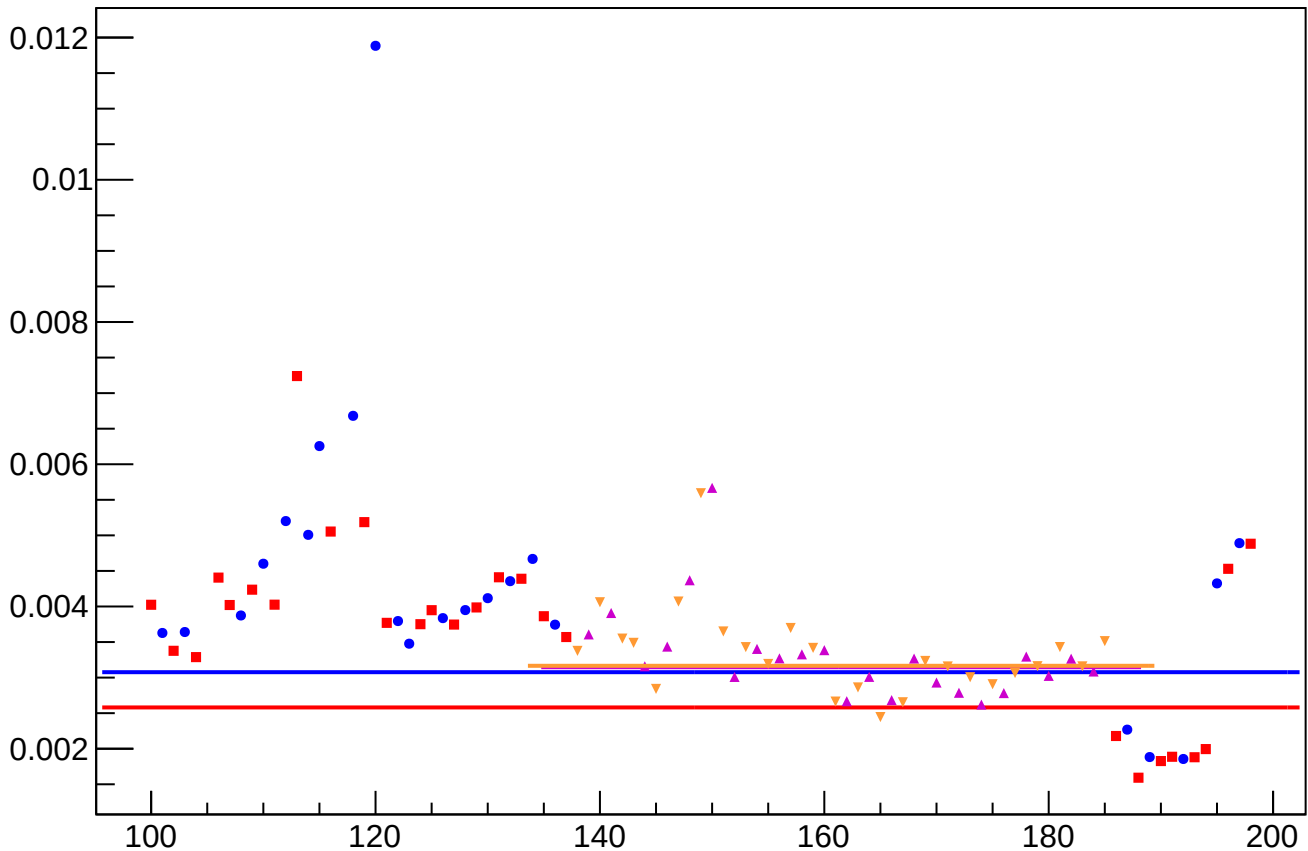
Right Out: -0.405 ± 0.000 $\chi^2/\text{NDF}: 393755847220.2/26$

All: 0.205 ± 0.000 $\chi^2/\text{NDF}: 1773886603164.$

Left In: 0.570 ± 0.000 $\chi^2/\text{NDF}: 42104067973.0/22$

- sign 0.114 ± 0.000 $\chi^2/\text{NDF}: 1127852134636.4/49$

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 2510919.1/21

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 3460227.3/26

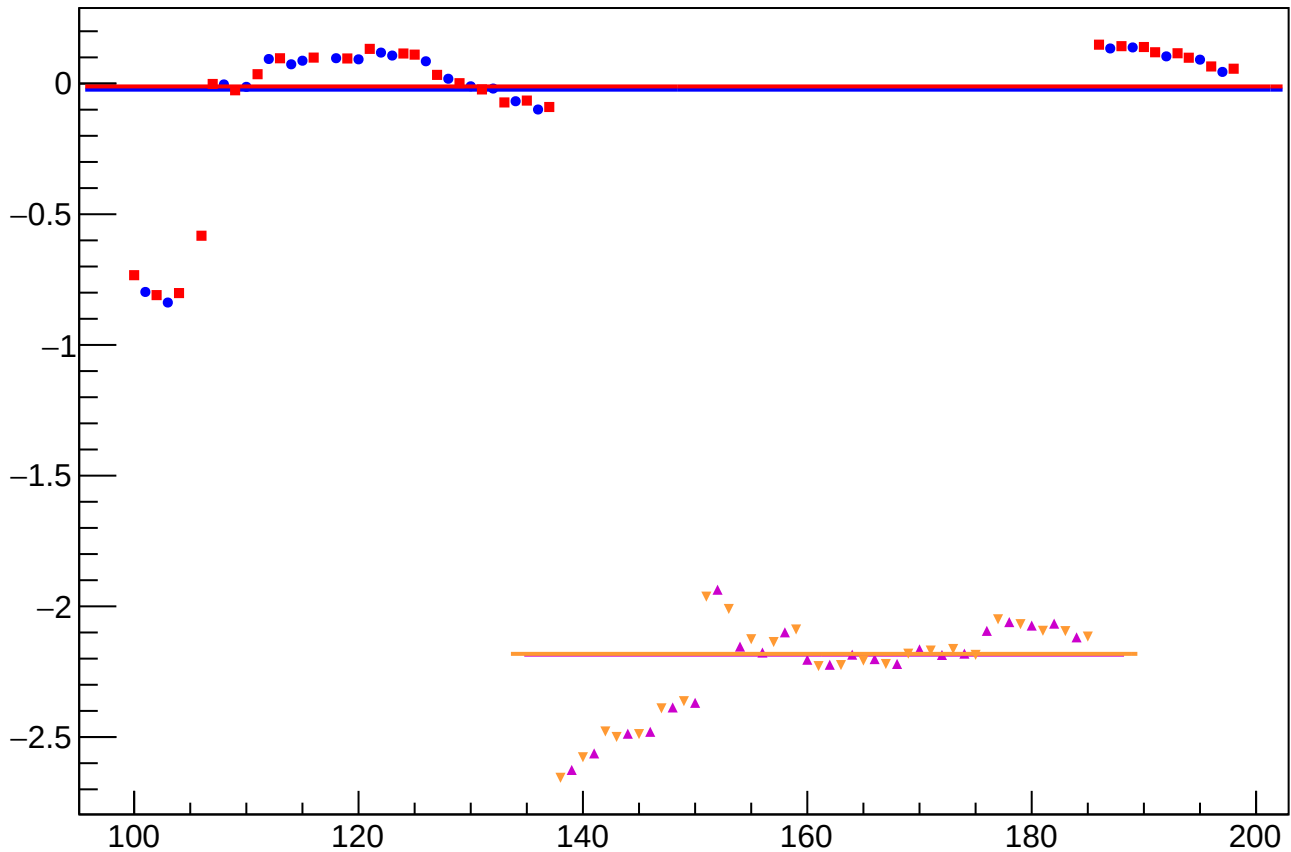
Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 3264423.0/46

All: 0.003+/-0.000 χ^2/NDF : 8079170.5/96

- sign 0.003+/-0.000 χ^2/NDF : 4643177.9/49

yield_bpm1i02X_mean vs Slug



Right In: -0.023+/-0.000 χ^2/NDF : 5659327024.7/21

Left Out: -2.182+/-0.000 χ^2/NDF : 4008829567.0/24

Right Out: -0.011+/-0.000 χ^2/NDF : 6816660618.7/26

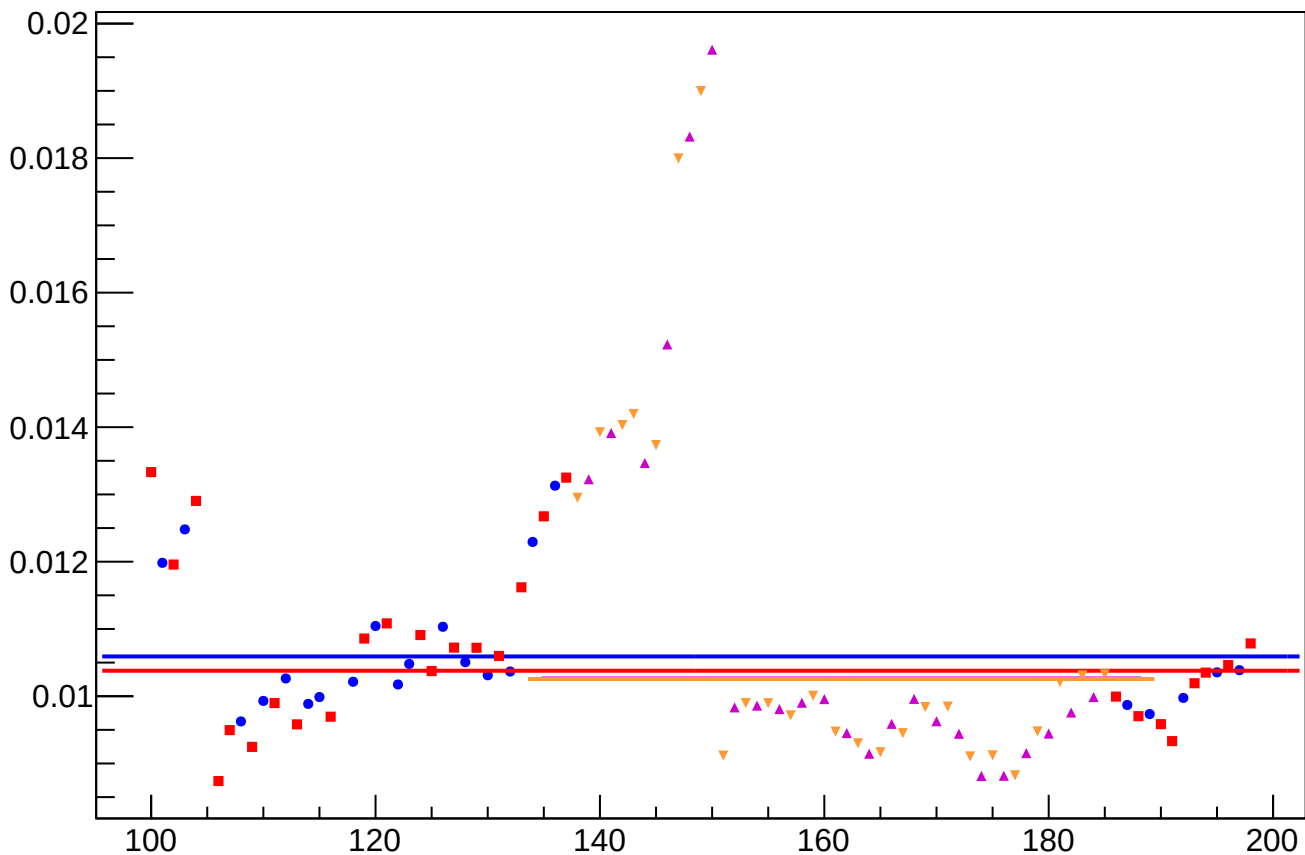
Left In: -2.185+/-0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.449+/-0.000 χ^2/NDF : 274937177567.5/46

All: -1.364+/-0.000 χ^2/NDF : 597043951413.5

- sign -1.284+/-0.000 χ^2/NDF : 318525068962.3/49

yield_bpm1i02X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 148701.2/21

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1270617.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 207157.6/26

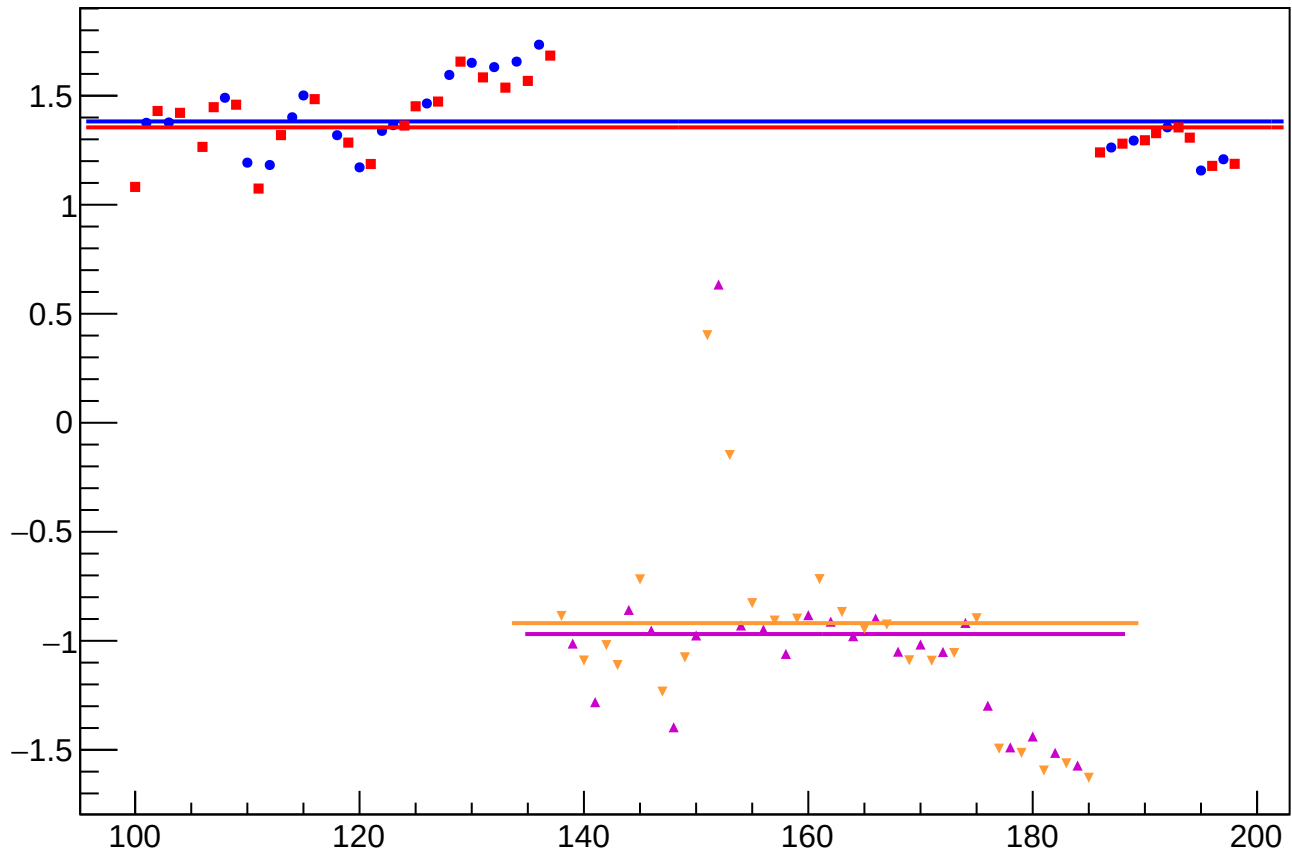
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 1340264.2/22

+ sign 0.010 $\pm$ 0.000 χ^2/NDF : 1432110.5/46

All: 0.010 $\pm$ 0.000 χ^2/NDF : 2982120.1/96

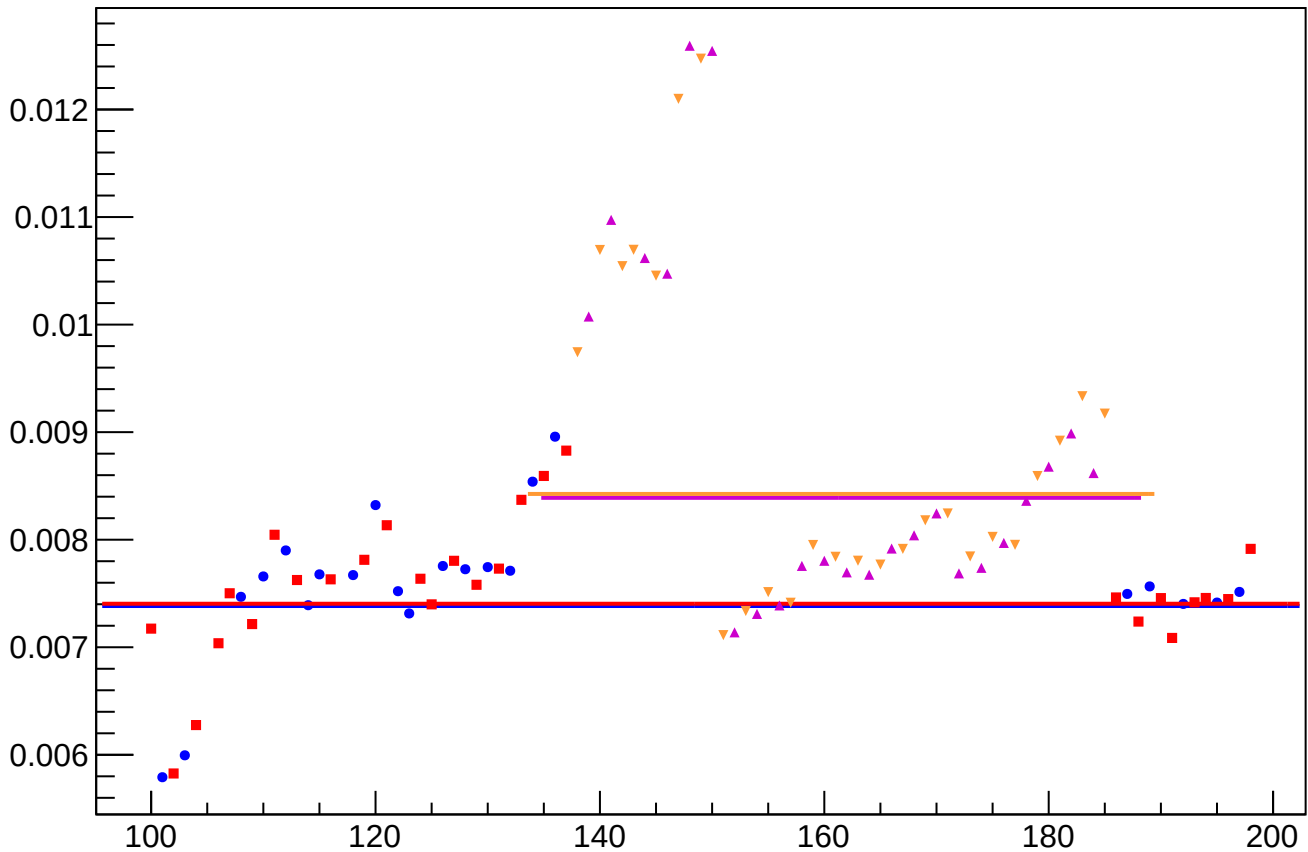
- sign 0.010 $\pm$ 0.000 χ^2/NDF : 1549134.2/49

yield_bpm1i02Y_mean vs Slug



Right In: 1.382+/-0.000 χ^2/NDF : 5091101717.2/21 + sign 0.028+/-0.000 χ^2/NDF : 609989588745.1/46
 Left Out: -0.919+/-0.000 χ^2/NDF : 55622252895.8/24 All: 0.087+/-0.000 χ^2/NDF : 1289706164378.0
 Right Out: 1.355+/-0.000 χ^2/NDF : 4206190040.0/26 - sign 0.141+/-0.000 χ^2/NDF : 676873859481.4/49
 Left In: -0.969+/-0.000 χ^2/NDF : 54895002535.8/22

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 230052.1/21

Left Out: 0.008+/-0.000 χ^2/NDF : 792337.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 181694.2/26

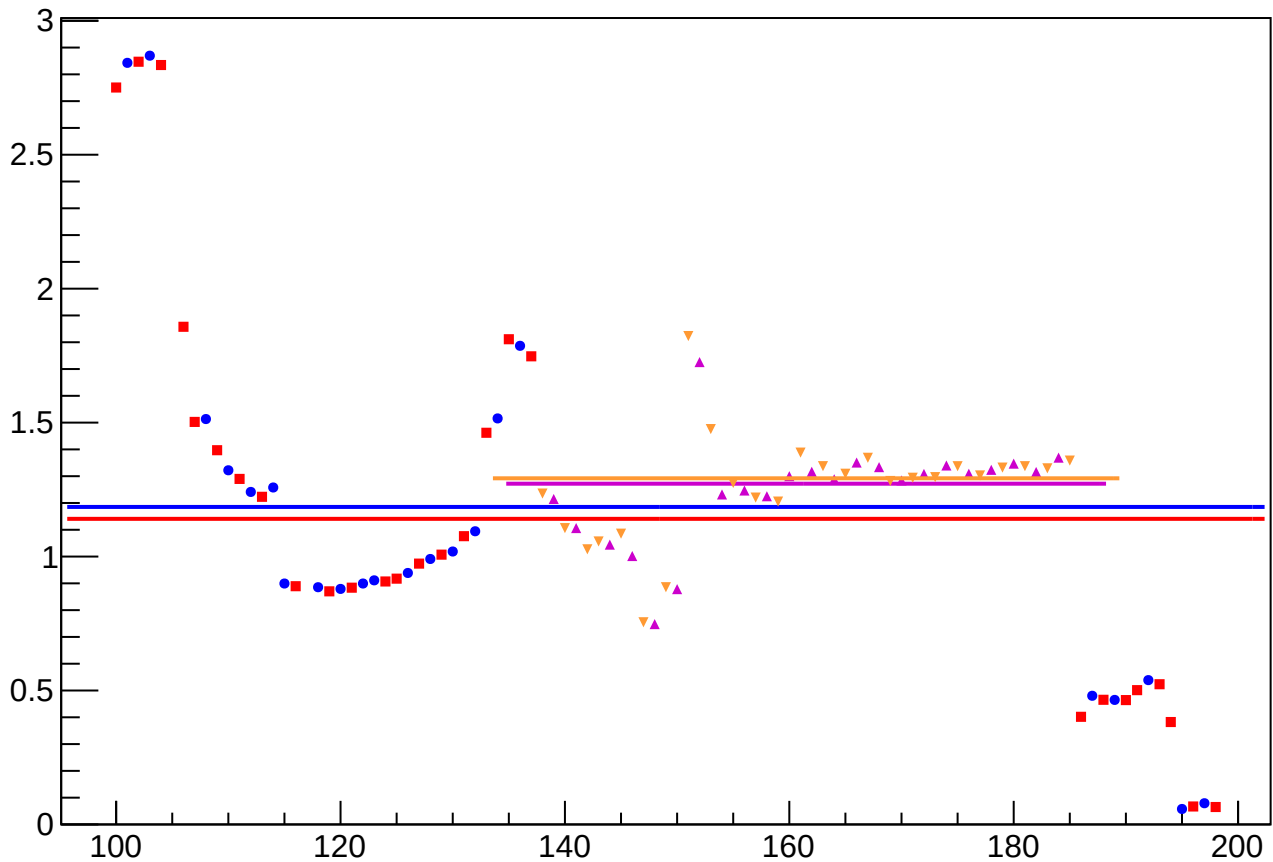
Left In: 0.008+/-0.000 χ^2/NDF : 839880.4/22

+ sign 0.008+/-0.000 χ^2/NDF : 1247689.6/46

All: 0.008+/-0.000 χ^2/NDF : 2493899.8/96

- sign 0.008+/-0.000 χ^2/NDF : 1243529.0/49

yield_bpm1i04X_mean vs Slug



Right In: 1.185 $\pm$ 0.000 χ^2 /NDF: 84348067609.4/21

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

Right Out: 1.141 $\pm$ 0.000 χ^2 /NDF: 91719826337.3/26

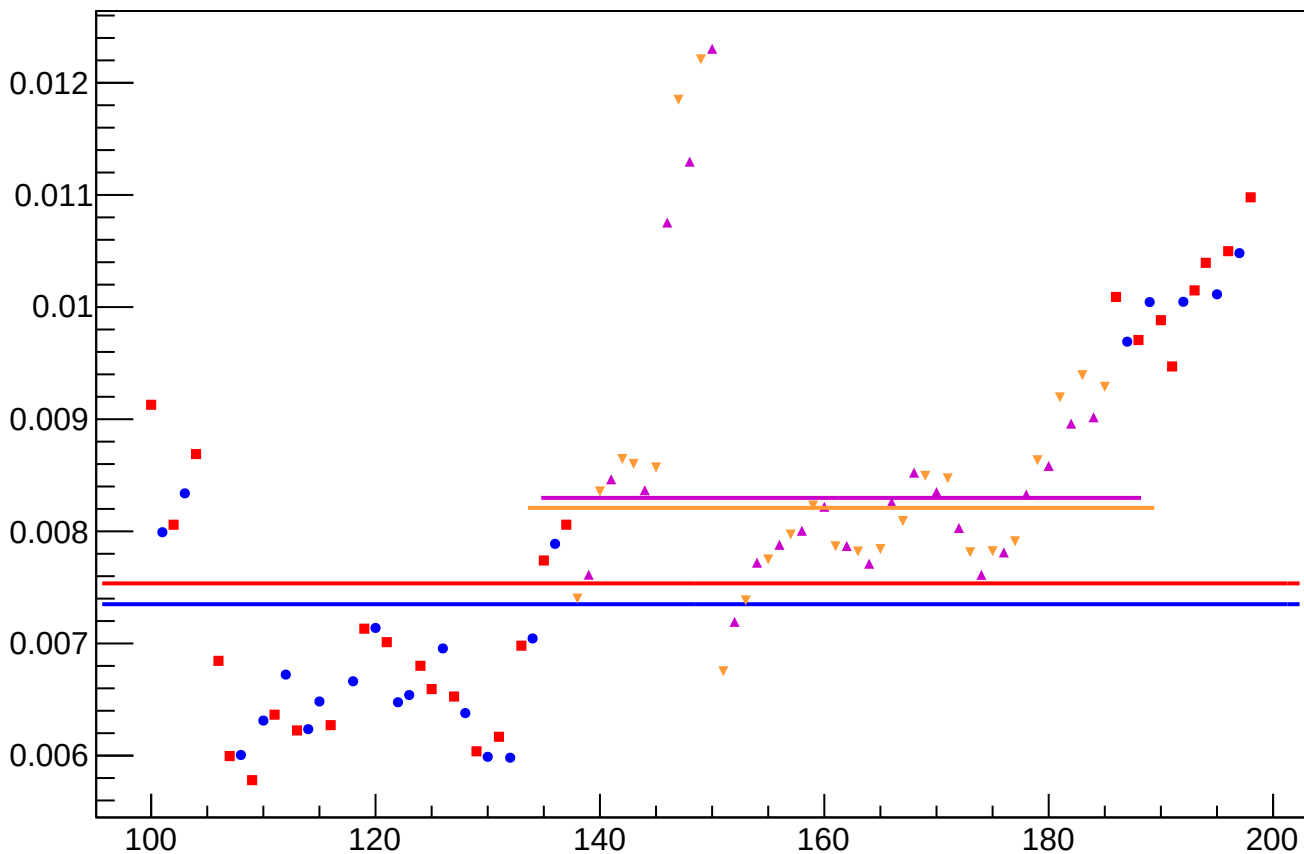
Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

+ sign 1.250 $\pm$ 0.000 χ^2 /NDF: 94847726046.3/46

All: 1.231 $\pm$ 0.000 χ^2 /NDF: 196357452336.0

- sign 1.212 $\pm$ 0.000 χ^2 /NDF: 101202324595.4/49

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 723757.6/21

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:478864.9/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1109870.9/26

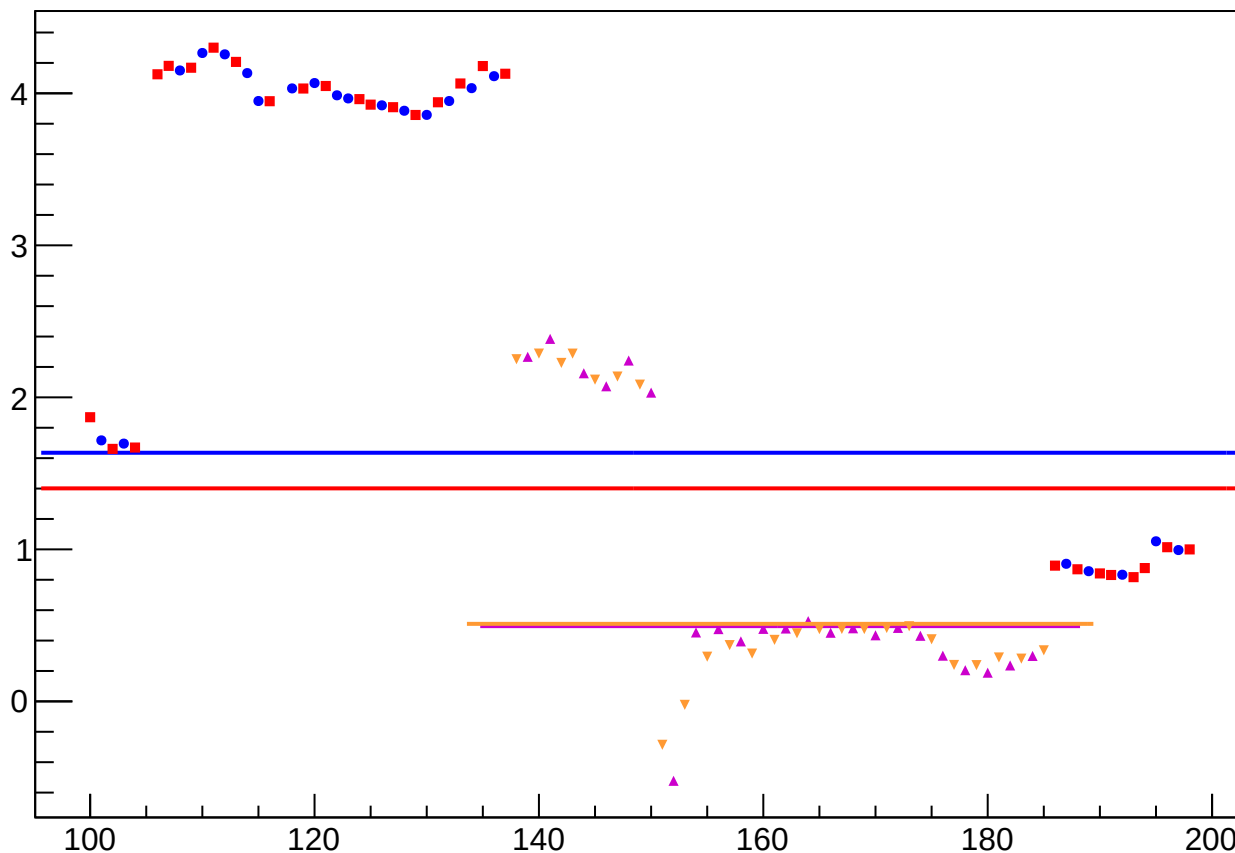
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1357078.5/46

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 3060962.0/96

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1700796.9/49

yield_bpm1i04Y_mean vs Slug



Right In: 1.636 $\pm$ 0.000 χ^2 /NDF: 1317118803217.6/21

Left Out: 0.510 $\pm$ 0.000 χ^2 /NDF: 274818814912.4/24

Right Out: 1.401 $\pm$ 0.000 χ^2 /NDF: 1622722049243.0/26

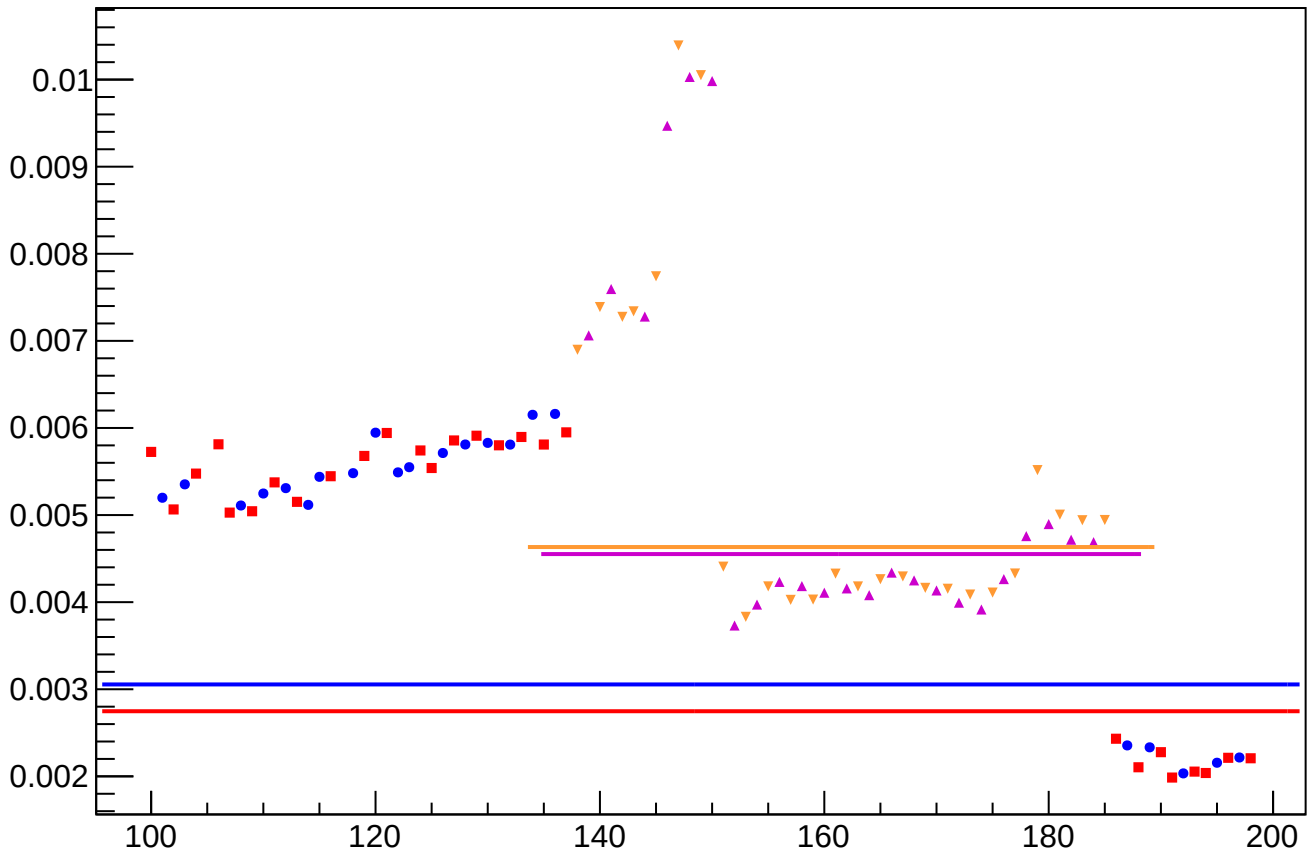
Left In: 0.495 $\pm$ 0.000 χ^2 /NDF: 268863202792.4/22

+ sign 1.087 $\pm$ 0.000 χ^2 /NDF: 2096671427844.2/46

All: 1.073 $\pm$ 0.000 χ^2 /NDF: 4377551200928.0/48

- sign 1.061 $\pm$ 0.000 χ^2 /NDF: 2280259388865.9/49

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 3737807.9/21

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4330361.2/26

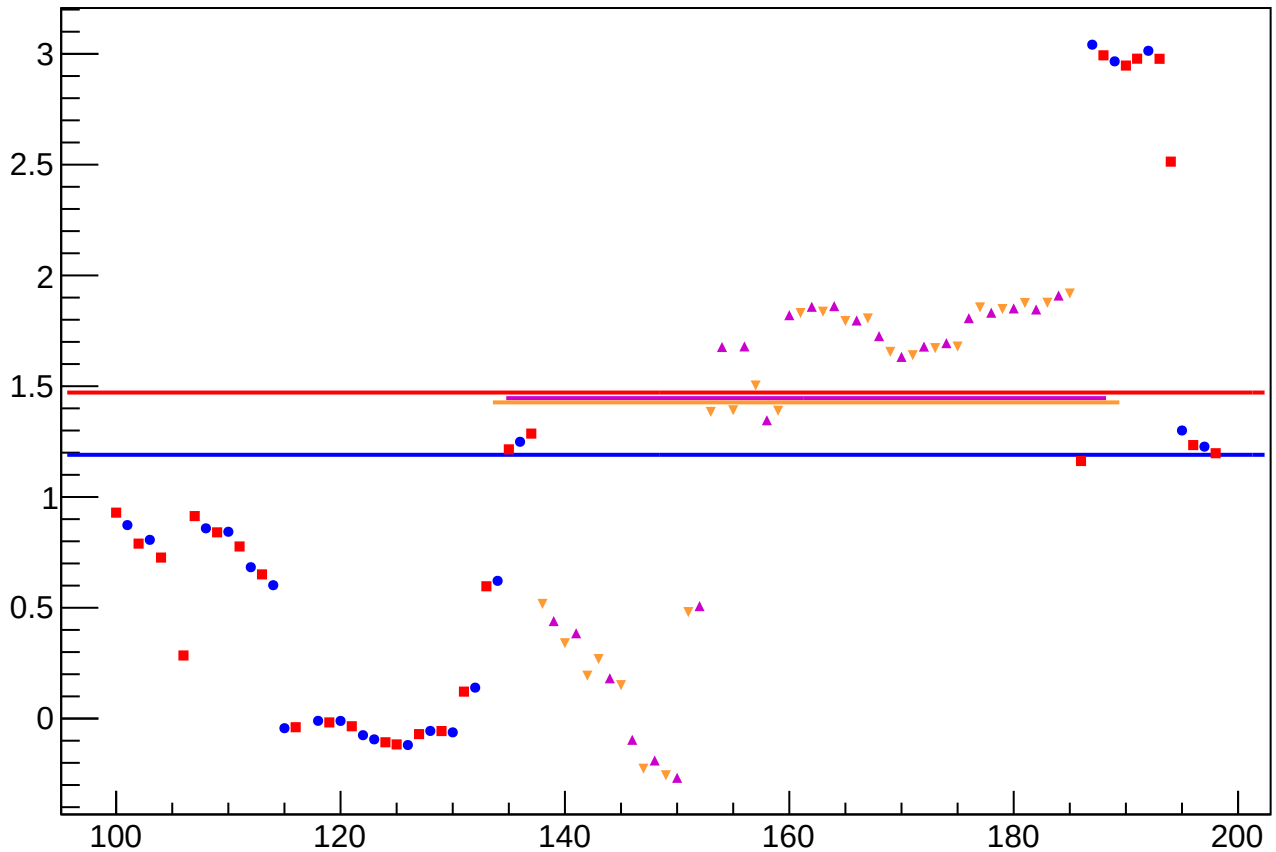
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.004+/-0.000 χ^2/NDF : 7834949.2/46

All: 0.004+/-0.000 χ^2/NDF : 17768417.3/96

- sign 0.003+/-0.000 χ^2/NDF : 9650496.7/49

yield_bpm1i06X_mean vs Slug



Right In: 1.190 $\pm$ 0.000 χ^2 /NDF: 72596848191.6/21

Left Out: 1.427 $\pm$ 0.000 χ^2 /NDF: 49990787038.3/24

Right Out: 1.471 $\pm$ 0.000 χ^2 /NDF: 98093493316.6/26

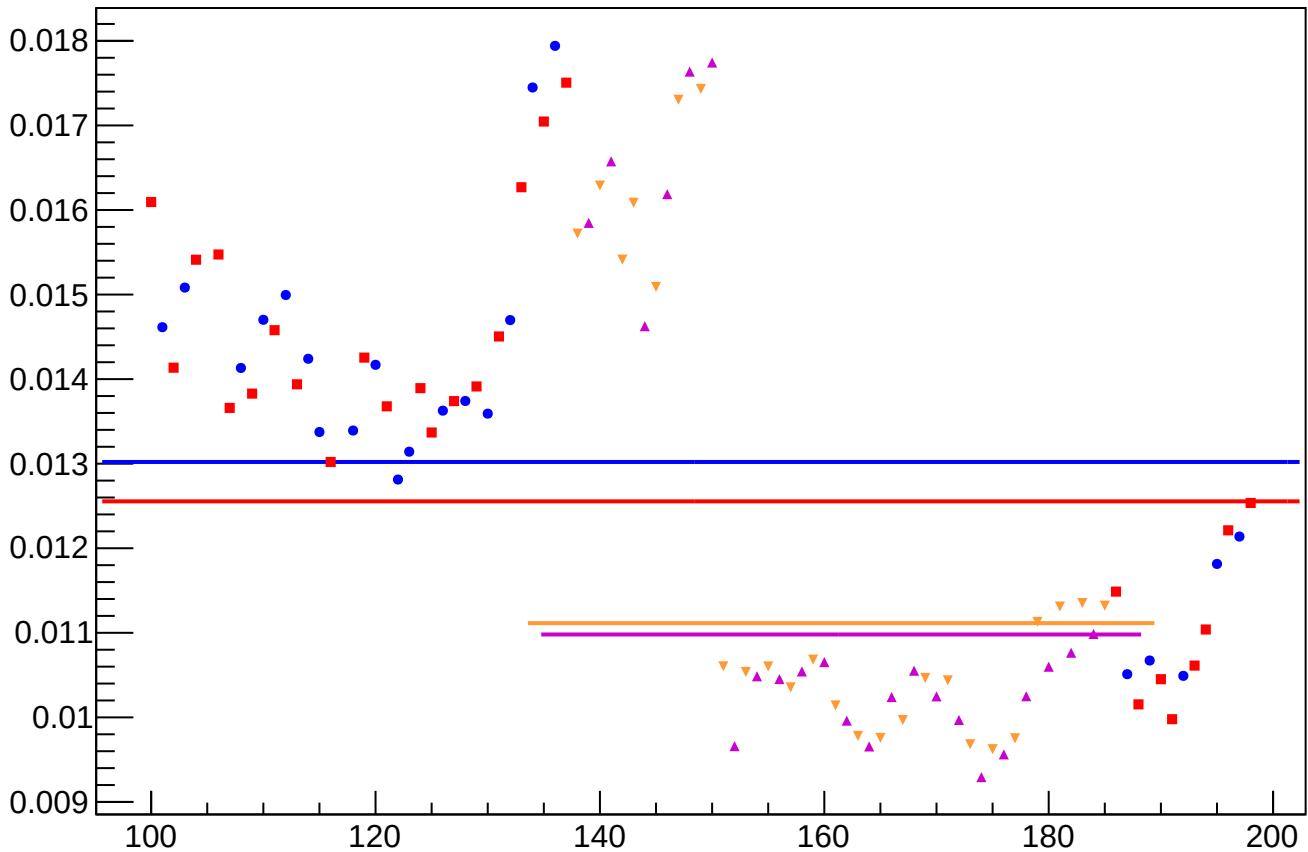
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.360 $\pm$ 0.000 χ^2 /NDF: 124834659032.0/46

All: 1.409 $\pm$ 0.000 χ^2 /NDF: 277630553208.6

- sign 1.455 $\pm$ 0.000 χ^2 /NDF: 151876787635.8/49

yield_bpm1i06X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 428923.0/21

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 548131.0/26

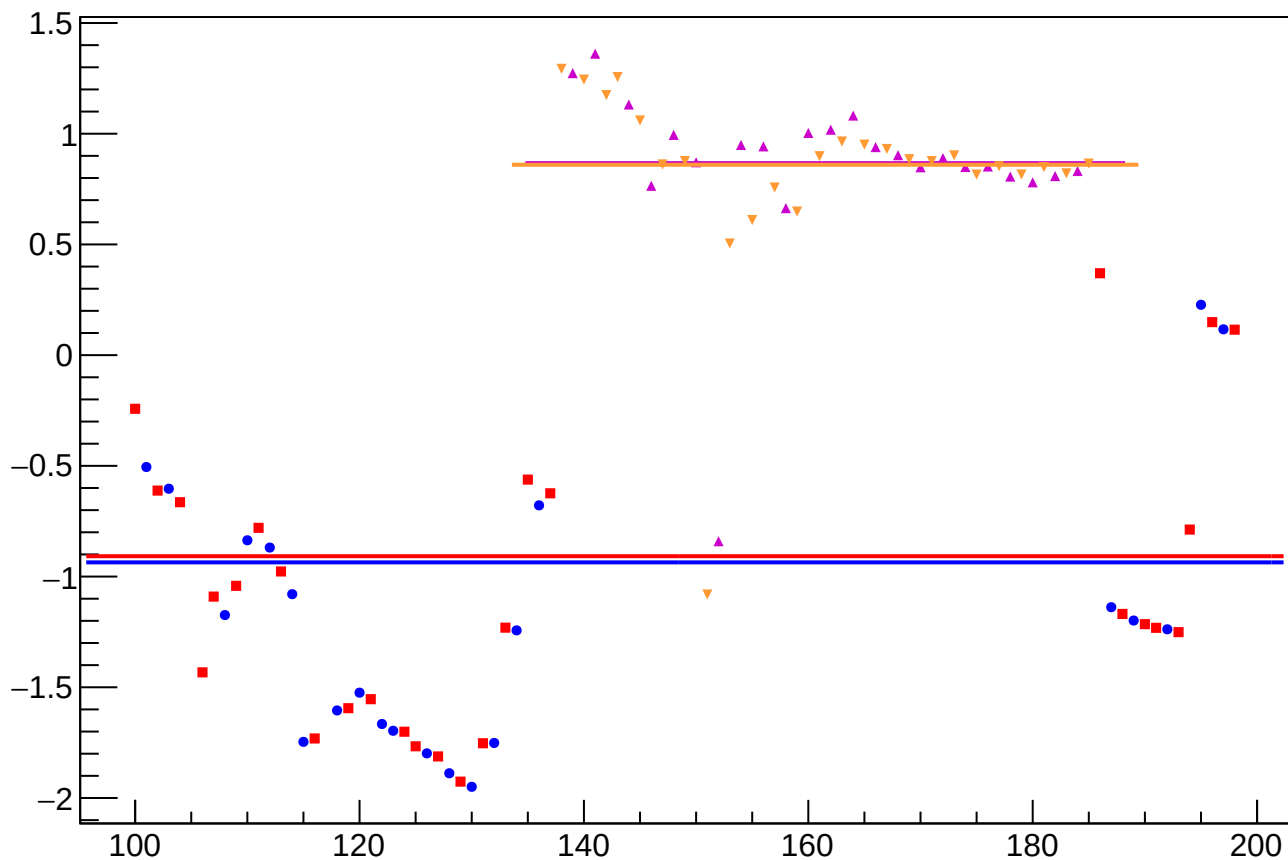
Left In: 0.011 $\pm$ 0.000 χ^2/NDF :1264827.0/22

+ sign 0.012 $\pm$ 0.000 χ^2/NDF : 1947990.7/46

All: 0.012 $\pm$ 0.000 χ^2/NDF : 4002532.1/96

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 2051557.9/49

yield_bpm1i06Y_mean vs Slug



Right In: -0.936 ± 0.000 $\chi^2/\text{NDF}: 106179876271.1/21$

Left Out: 0.860 ± 0.000 $\chi^2/\text{NDF}: 126335891175.4/24$

Right Out: -0.908 ± 0.000 $\chi^2/\text{NDF}: 107013994586.2/26$

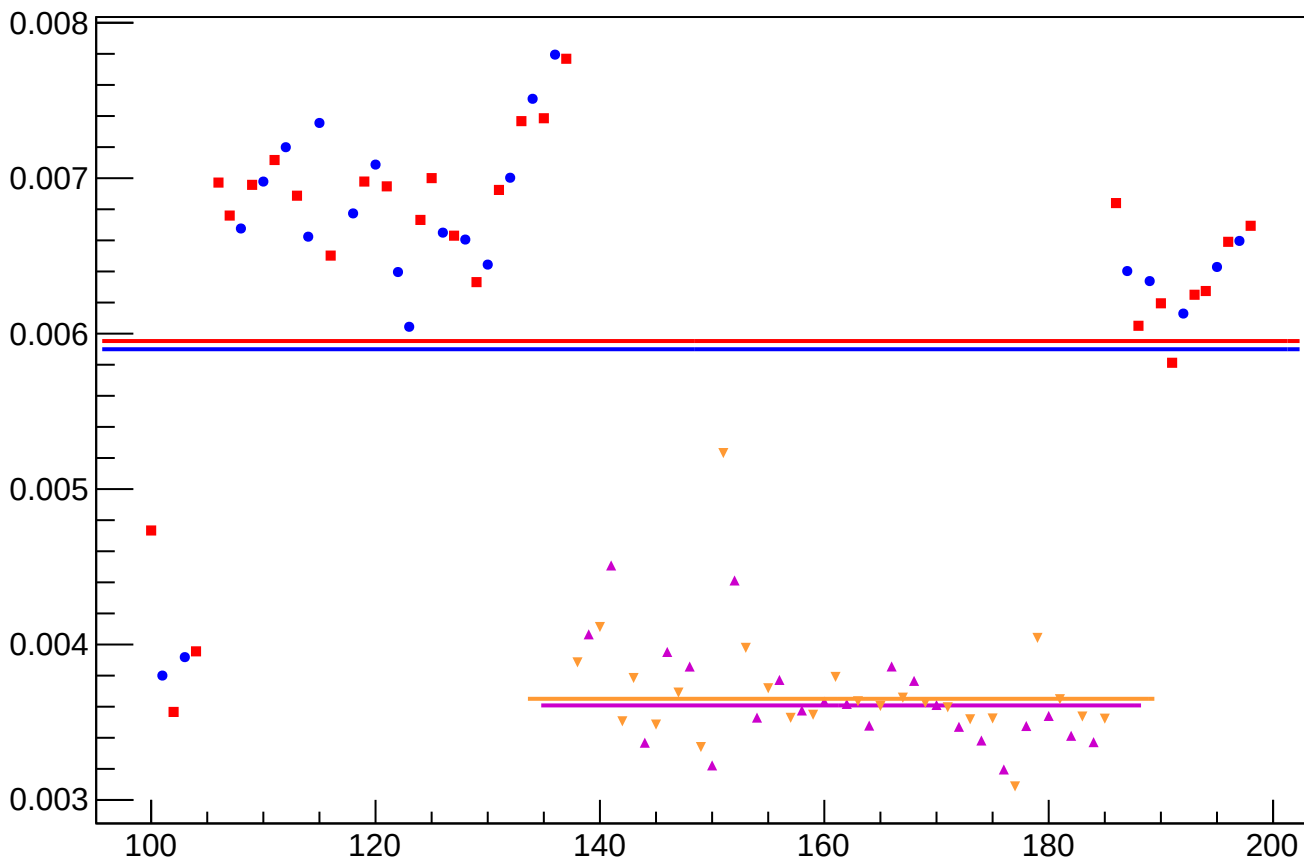
Left In: 0.867 ± 0.000 $\chi^2/\text{NDF}: 147039402944.6/22$

+ sign 0.557 ± 0.000 $\chi^2/\text{NDF}: 913410840707.8/46$

All: 0.531 ± 0.000 $\chi^2/\text{NDF}: 1946176004717.$

- sign 0.505 ± 0.000 $\chi^2/\text{NDF}: 1030671421027.2/49$

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 884699.8/21

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 998137.0/26

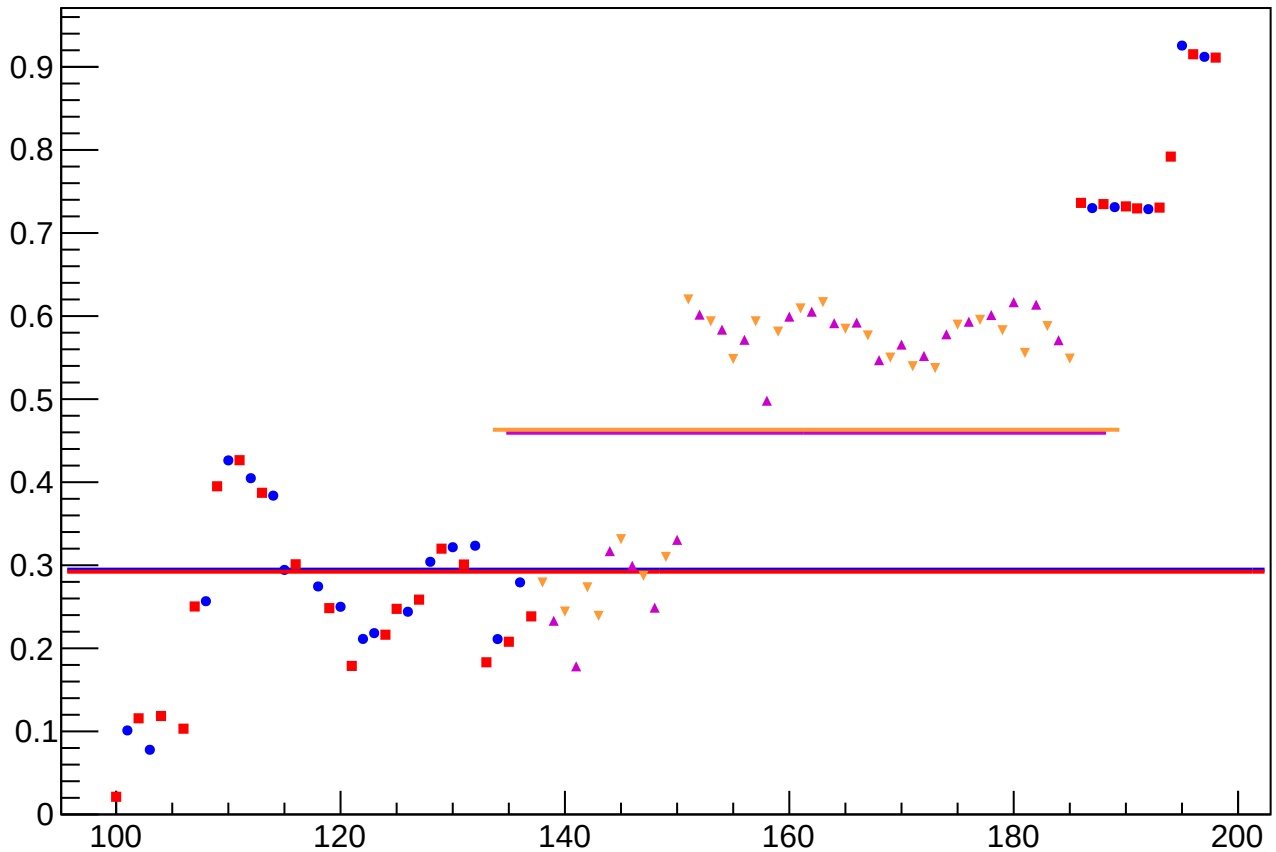
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3257515.1/46

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 7196889.2/96

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3934443.1/49

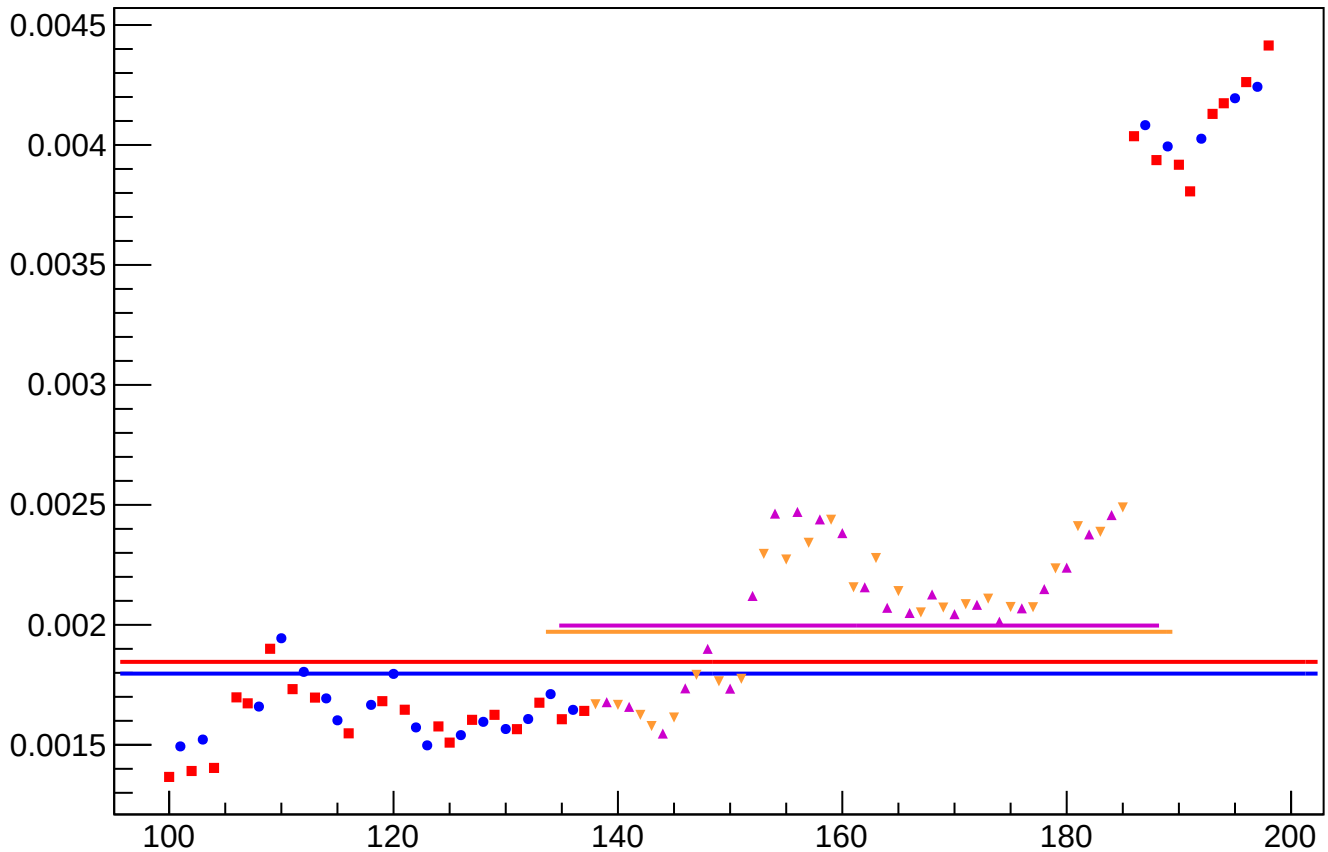
yield_bpm2i01X_mean vs Slug



Right In: 0.295 $\pm$ 0.000 χ^2 /NDF: 76890536080.9/21
 Left Out: 0.463 $\pm$ 0.000 χ^2 /NDF:102506270538.7/24
 Right Out: 0.292 $\pm$ 0.000 χ^2 /NDF: 110758132062.3/26
 Left In: 0.460 $\pm$ 0.000 χ^2 /NDF:104559088628.4/22

+ sign 0.402 $\pm$ 0.000 χ^2 /NDF: 226694631155.8/46
 All: 0.396 $\pm$ 0.000 χ^2 /NDF: 491671740758.1
 - sign 0.390 $\pm$ 0.000 χ^2 /NDF: 264429240554.0/49

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2152985.1/21

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3499001.3/26

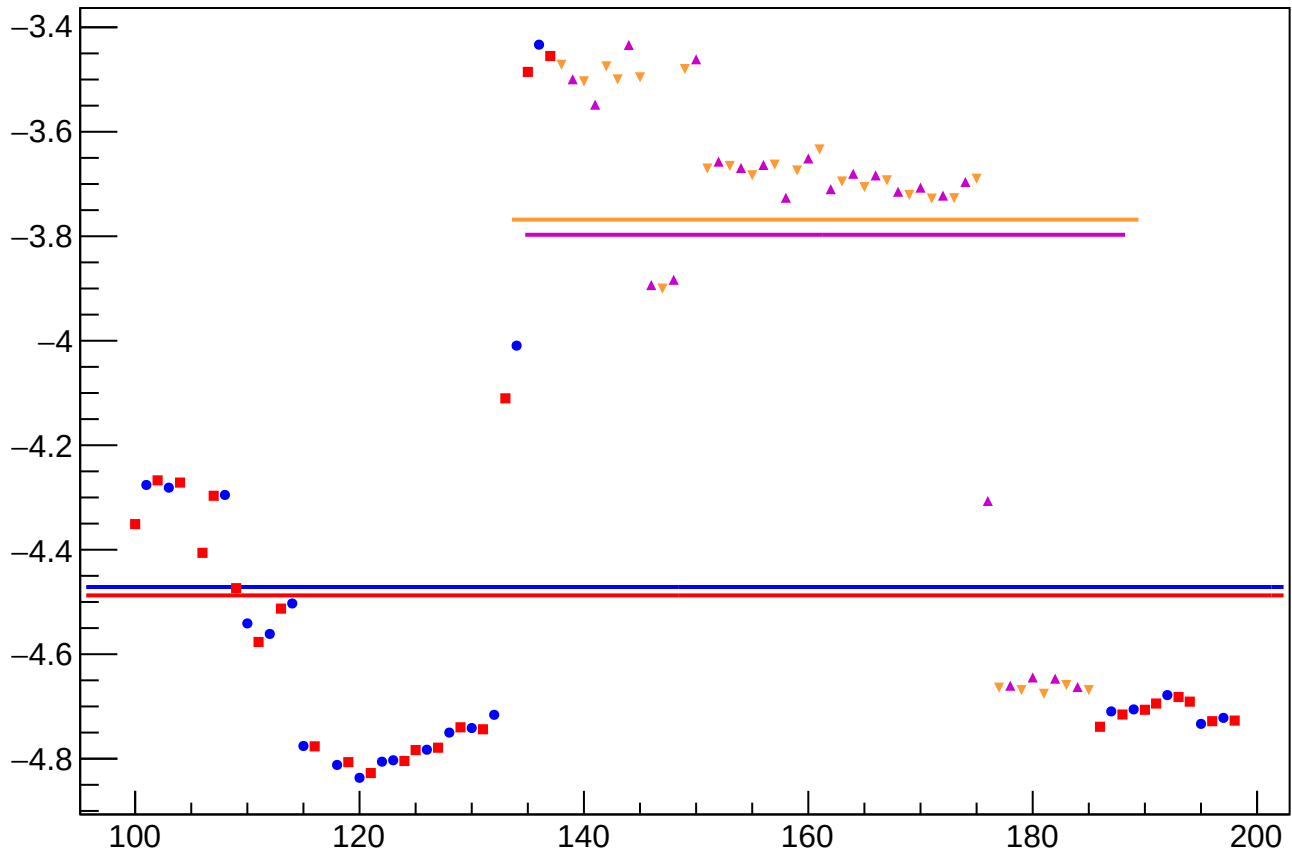
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 2984492.6/46

All: 0.002+/-0.000 χ^2/NDF : 7235185.5/96

- sign 0.002+/-0.000 χ^2/NDF : 4245795.4/49

yield_bpm2i01Y_mean vs Slug



Right In: -4.471+/-0.000 χ^2/NDF : 411678094049.1/21

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.487+/-0.000 χ^2/NDF : 355139977345.0/26

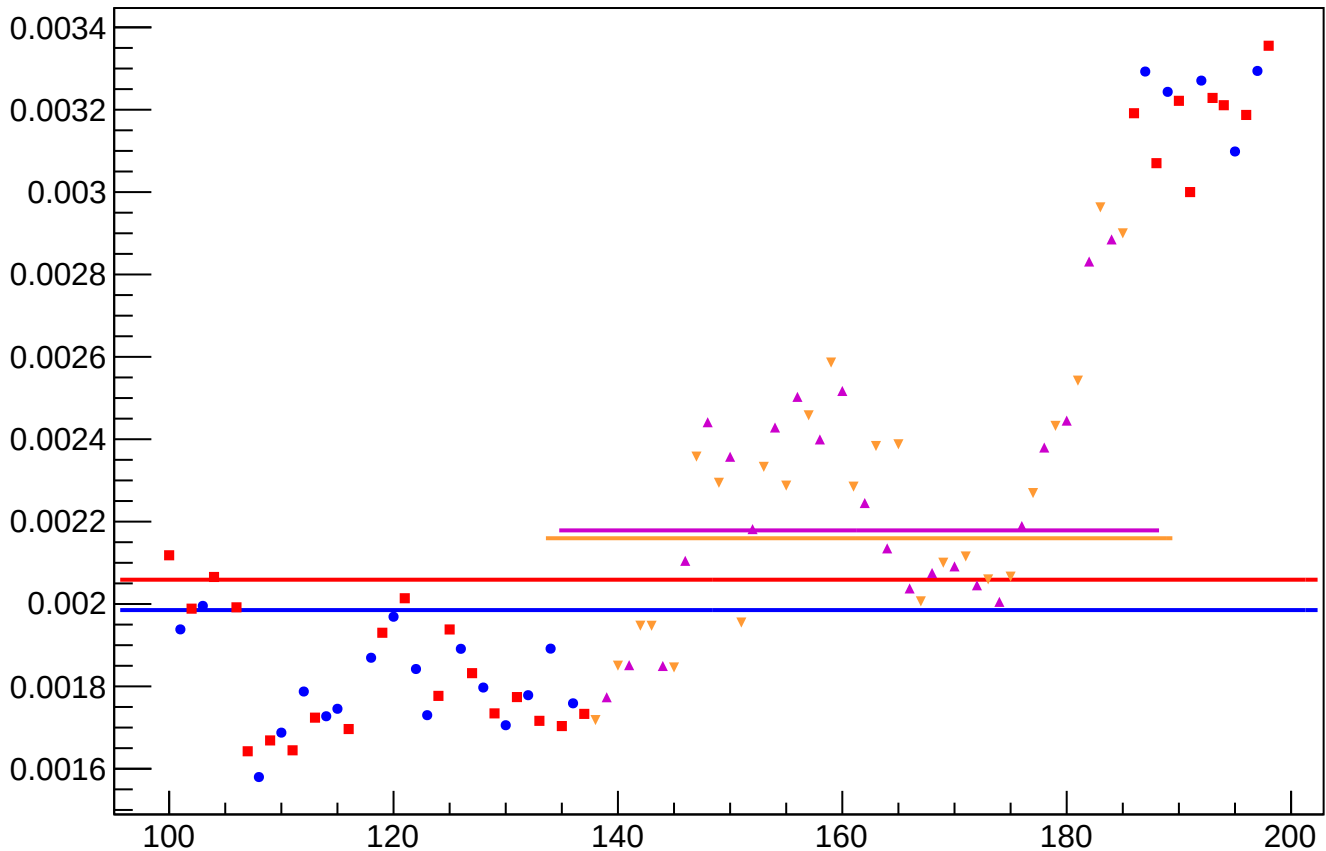
Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.032+/-0.000 χ^2/NDF : 1634750420993.2/4

All: -4.061+/-0.000 χ^2/NDF : 3162157655916

- sign -4.090+/-0.000 χ^2/NDF : 1517065886276.8/49

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1076074.6/21

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:547831.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 1638019.8/26

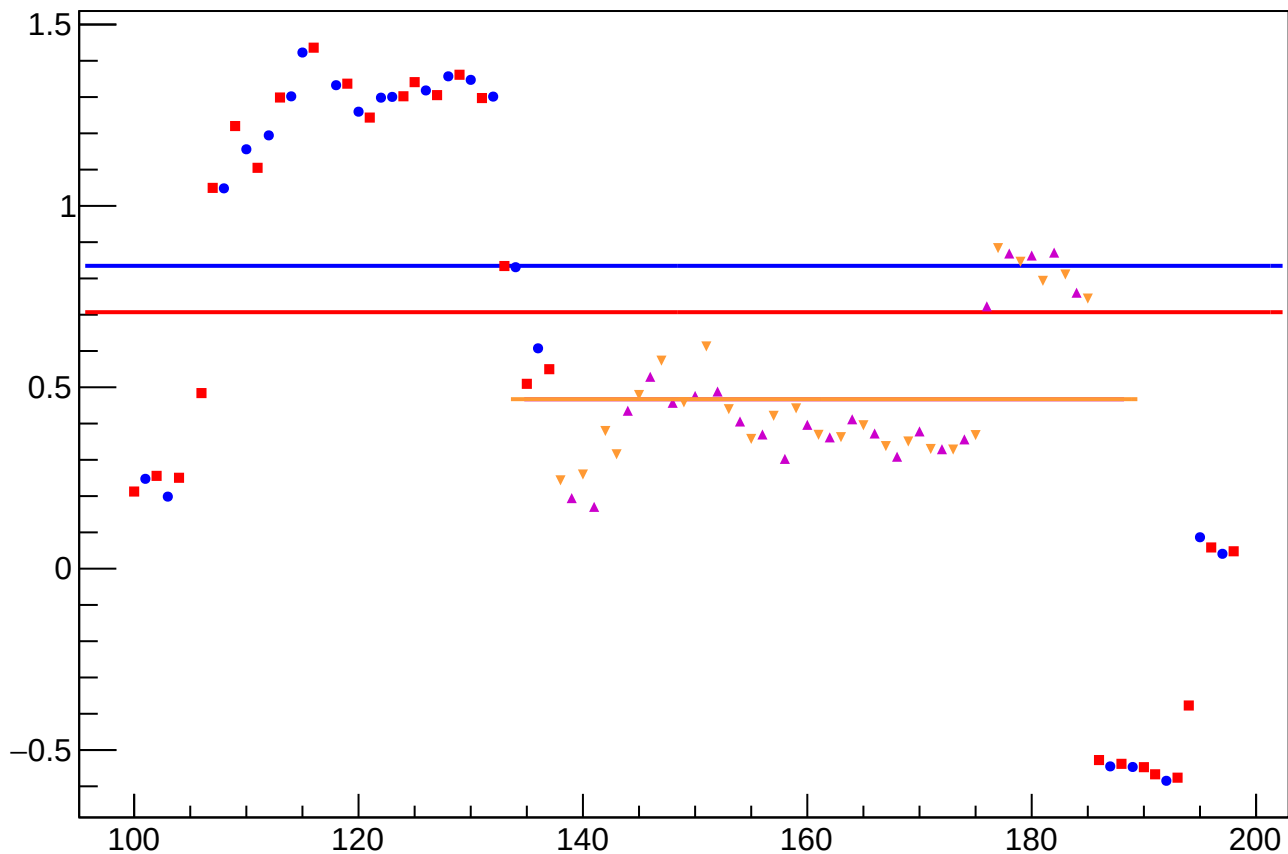
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:463279.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1710800.4/46

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 3862192.9/96

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2144443.1/49

yield_bpm2i02X_mean vs Slug



Right In: 0.835 $\pm$ 0.000 χ^2 /NDF: 60367032445.5/21

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

Right Out: 0.707 $\pm$ 0.000 χ^2 /NDF: 87910855625.9/26

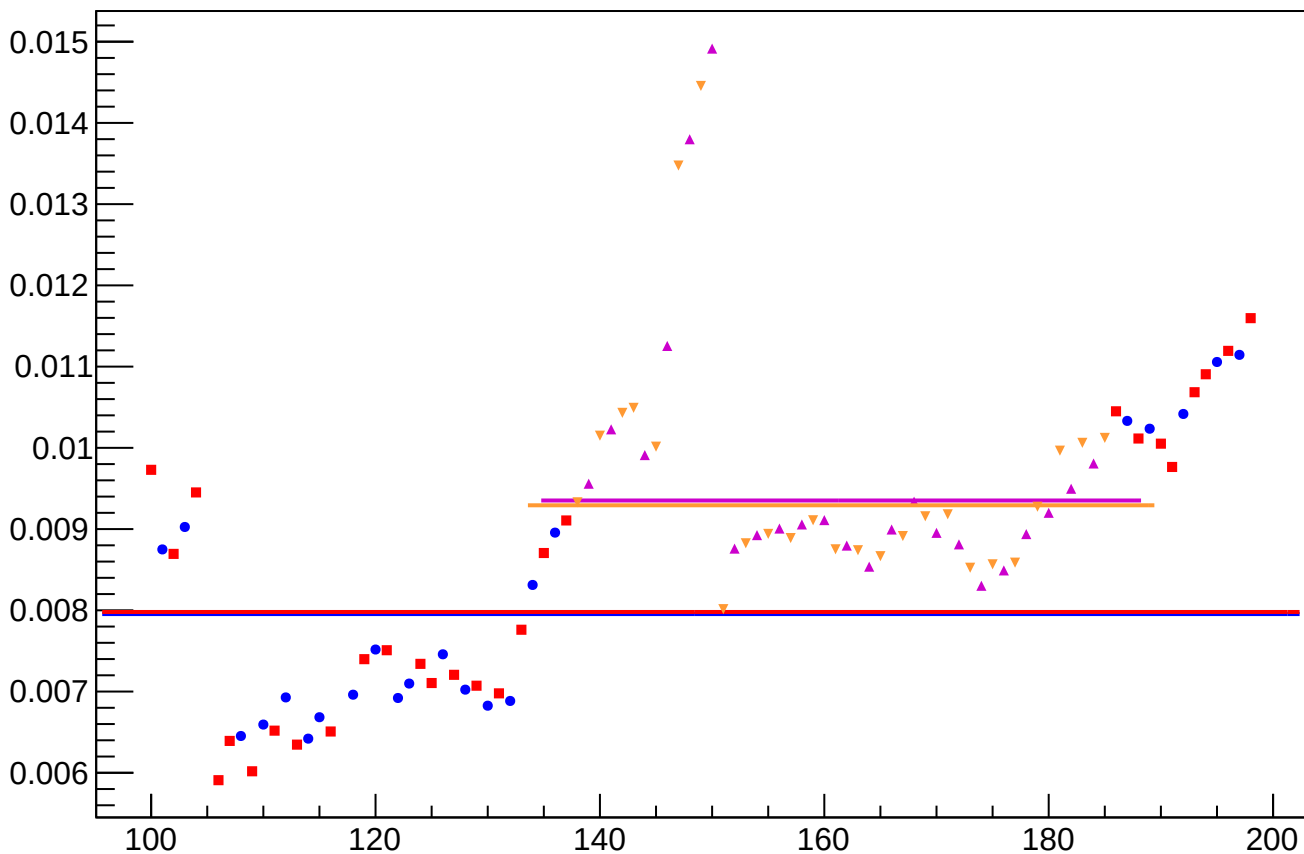
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

+ sign 0.620 $\pm$ 0.000 χ^2 /NDF: 79465834349.2/46

All: 0.601 $\pm$ 0.000 χ^2 /NDF: 181078763998.6

- sign 0.583 $\pm$ 0.000 χ^2 /NDF: 101358435303.6/49

yield_bpm2i02X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 682314.4/21

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:528279.5/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1134981.8/26

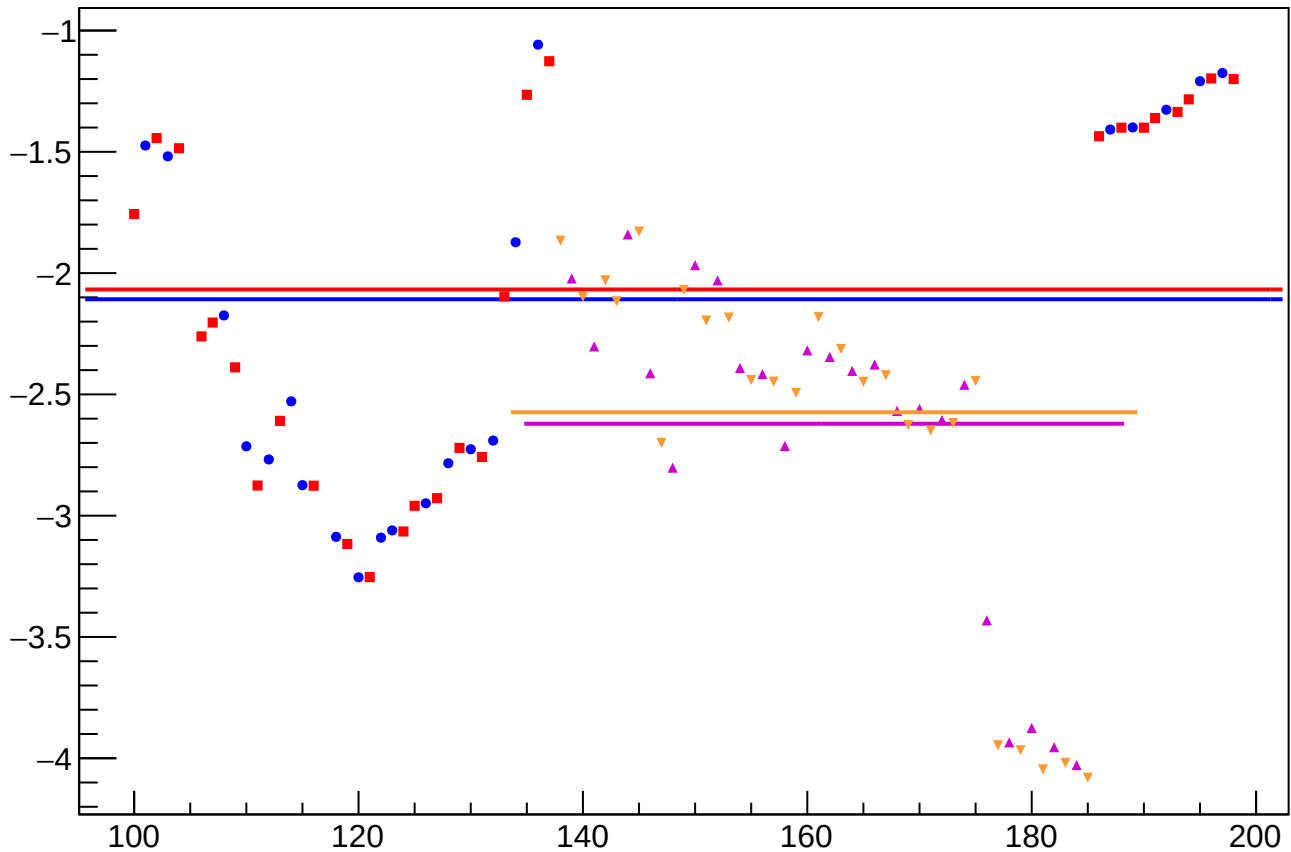
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:557555.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1522150.6/46

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 3568781.4/96

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2045832.0/49

yield_bpm2i02Y_mean vs Slug



Right In: -2.108 ± 0.000 $\chi^2/\text{NDF}: 102199000762.6/21$

Left Out: -2.574 ± 0.000 $\chi^2/\text{NDF}: 99176112704.9/24$

Right Out: -2.067 ± 0.000 $\chi^2/\text{NDF}: 106501598536.0/26$

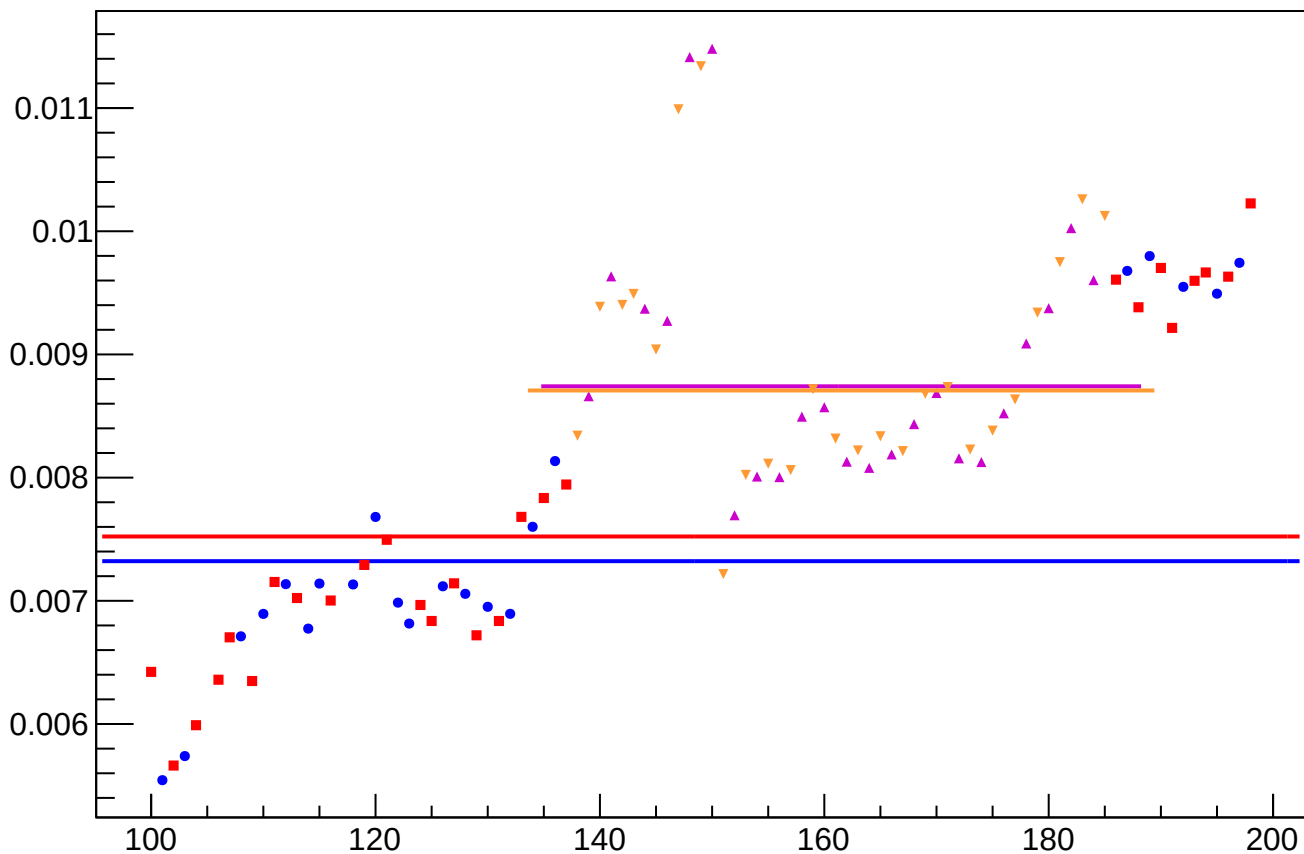
Left In: -2.621 ± 0.000 $\chi^2/\text{NDF}: 80862402796.4/22$

+ sign -2.376 ± 0.000 $\chi^2/\text{NDF}: 223437818039.8/46$

All: -2.365 ± 0.000 $\chi^2/\text{NDF}: 443902854044.8$

- sign -2.355 ± 0.000 $\chi^2/\text{NDF}: 220370886944.4/49$

yield_bpm2i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 598024.1/21

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:369376.5/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 793219.3/26

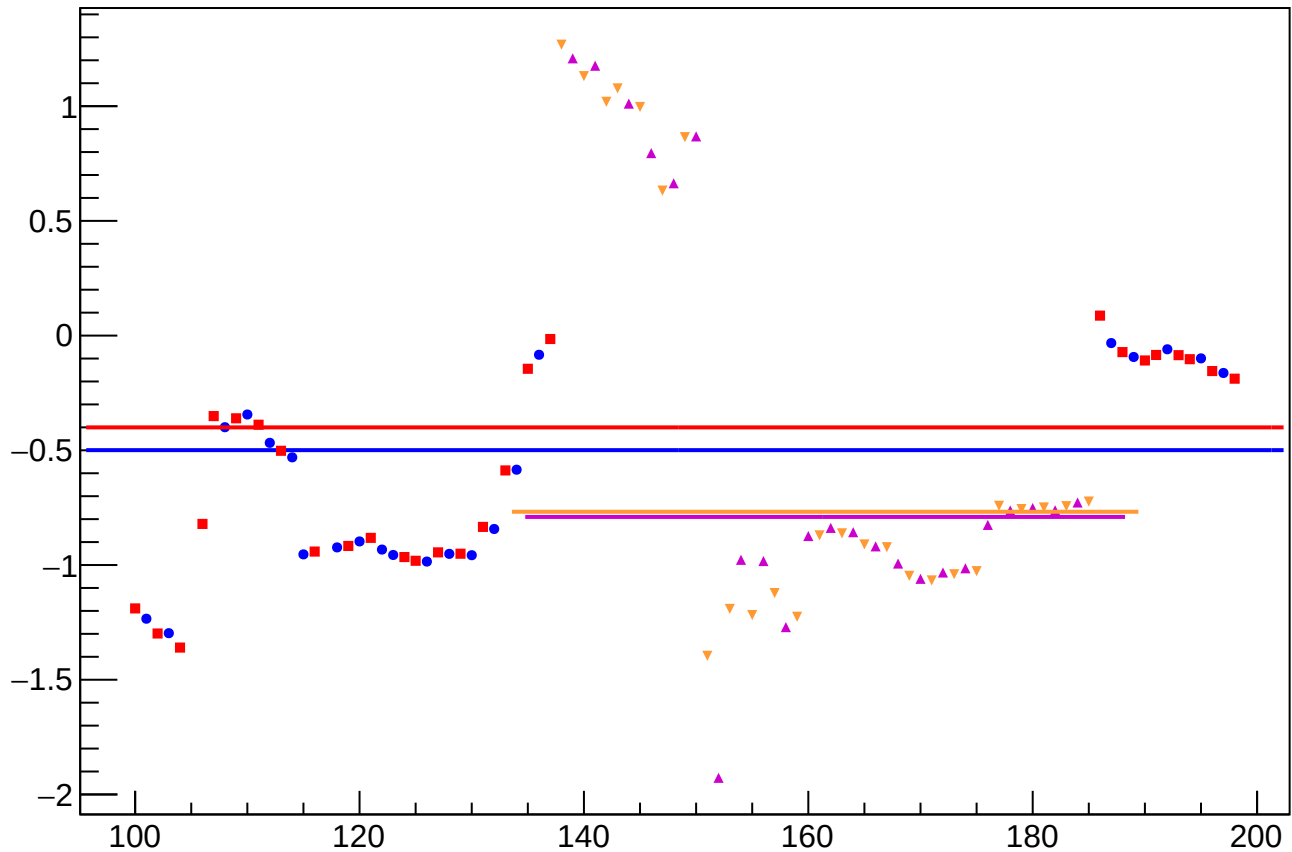
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:353750.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1357743.6/46

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2825466.1/96

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1467172.1/49

yield_bpm0i01X_mean vs Slug



Right In: -0.499+/-0.000 χ^2/NDF : 20453792442.4/21

Left Out: -0.768+/-0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.400+/-0.000 χ^2/NDF : 24556969916.0/26

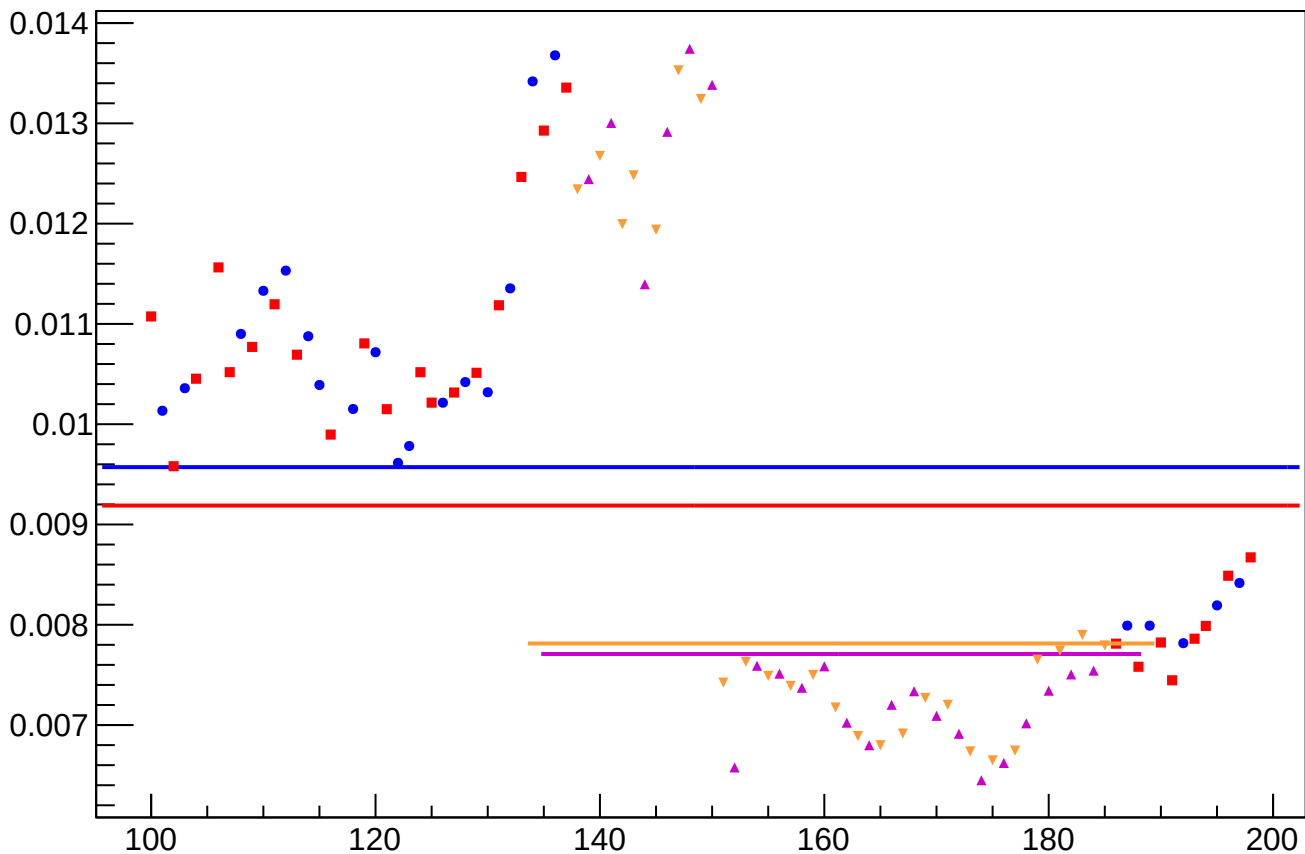
Left In: -0.790+/-0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.696+/-0.000 χ^2/NDF : 146641928510.0/46

All: -0.677+/-0.000 χ^2/NDF : 308808078666.9

- sign -0.660+/-0.000 χ^2/NDF : 161899590553.0/49

yield_bpm0i01X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 504267.7/21

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1705997.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 625130.6/26

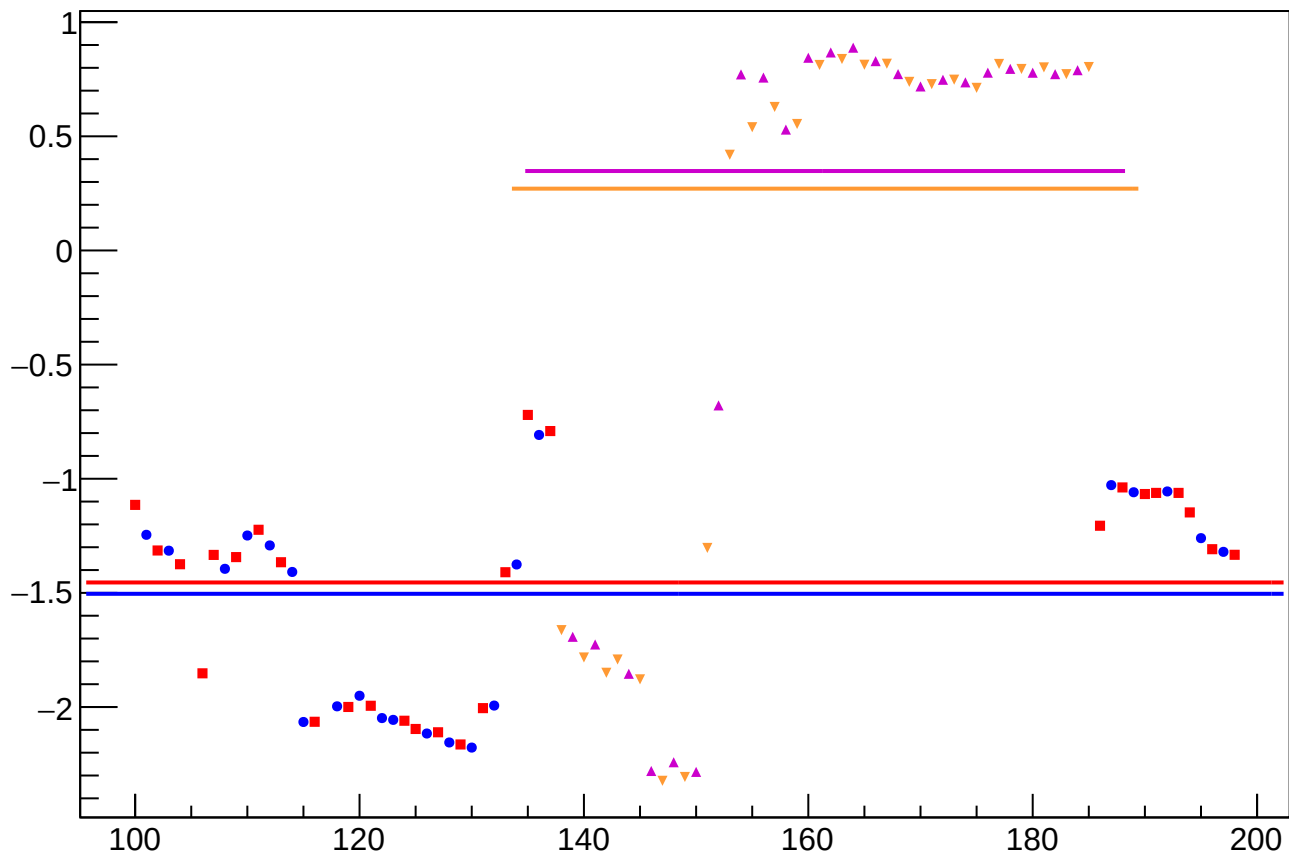
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1746653.6/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2674671.2/46

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5448429.9/96

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2771395.3/49

yield_bpm0i01Y_mean vs Slug



Right In: -1.504+/-0.000 χ^2 /NDF: 171781916920.5/21

Left Out: 0.271+/-0.000 χ^2 /NDF: 2583233987355.9/24

Right Out: -1.454+/-0.000 χ^2 /NDF: 163414049684.4/26

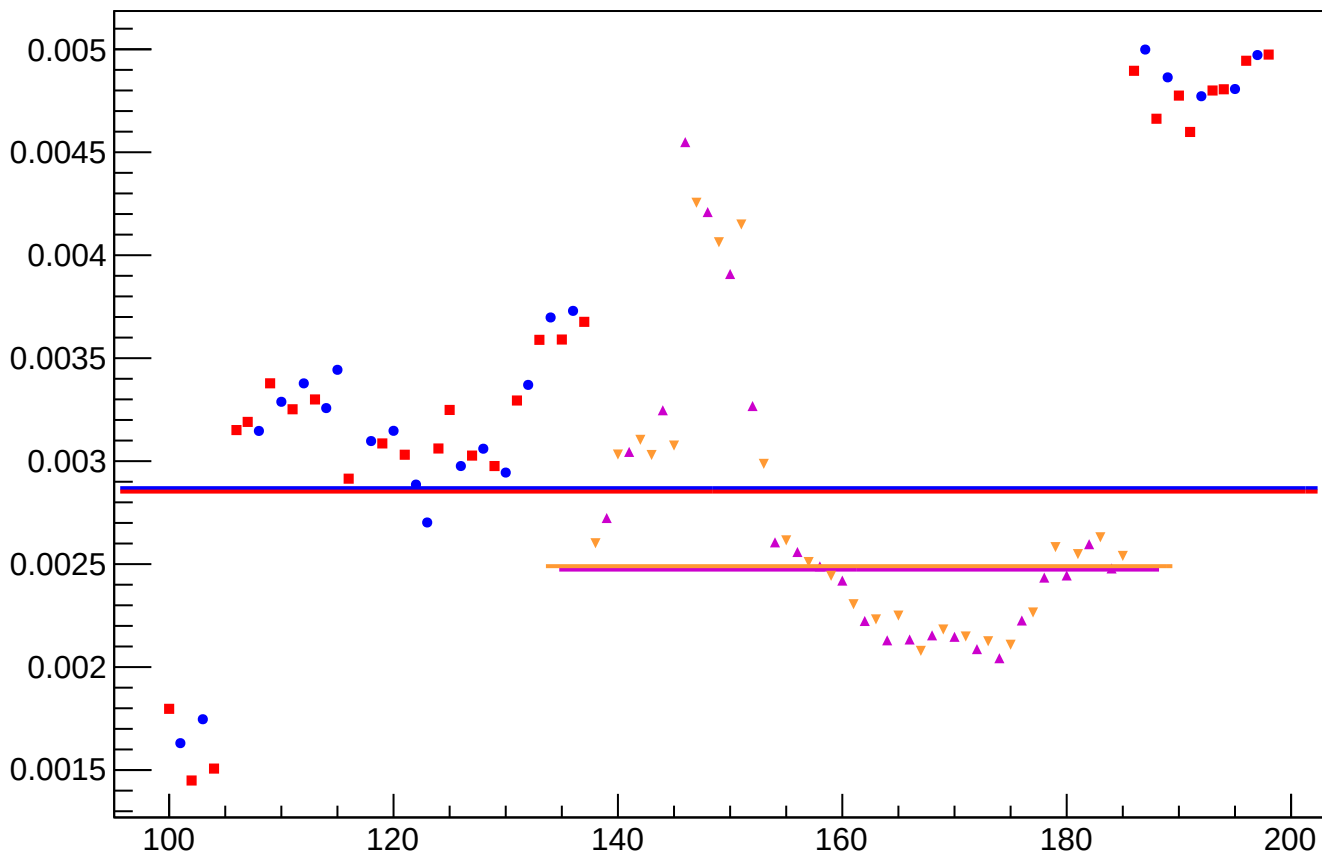
Left In: 0.348+/-0.000 χ^2 /NDF: 2274004426513.8/22

+ sign -0.211+/-0.000 χ^2 /NDF: 4995478014897.6/4

All: -0.221+/-0.000 χ^2 /NDF: 1002695153293

- sign -0.232+/-0.000 χ^2 /NDF: 5030679907244.7/4

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 2154173.6/21

Left Out: 0.002+/-0.000 χ^2/NDF :1070282.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 3484911.7/26

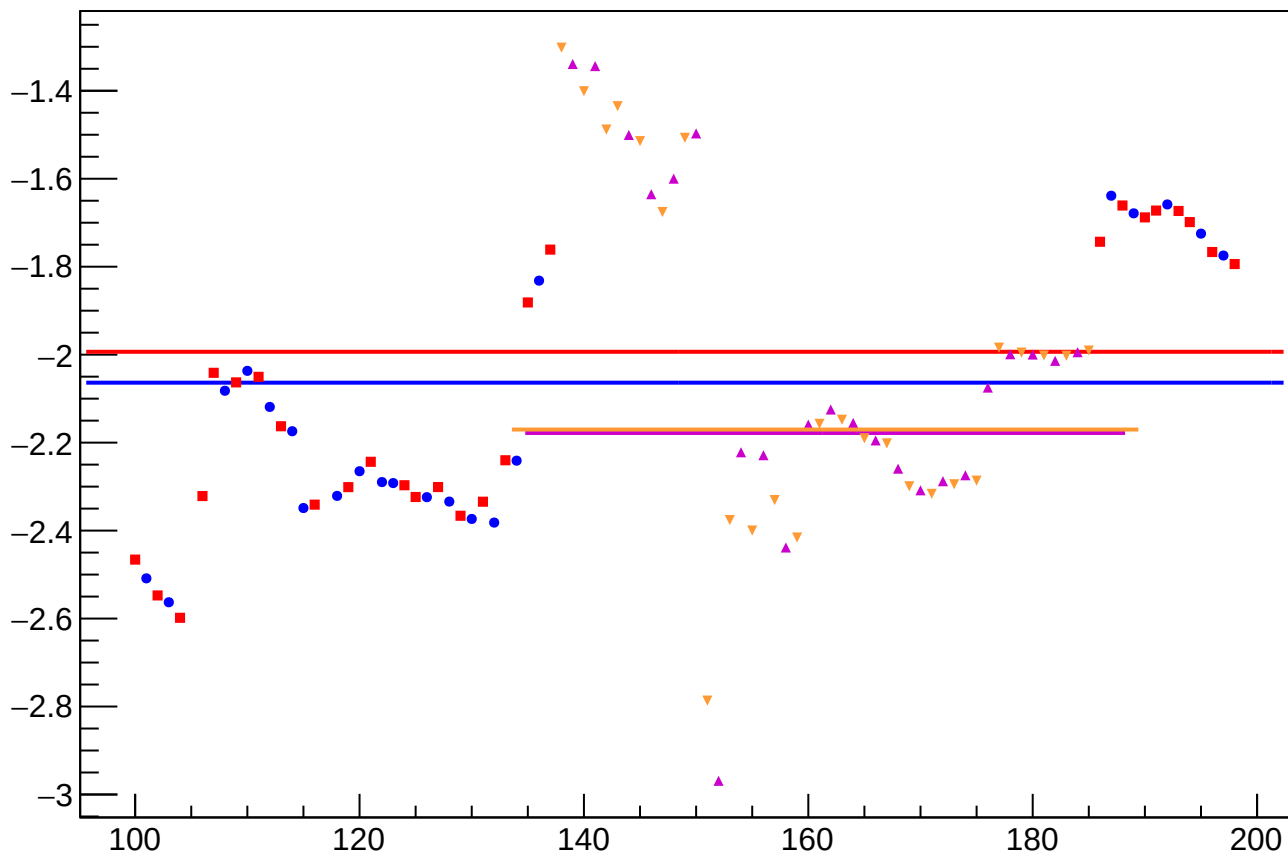
Left In: 0.002+/-0.000 χ^2/NDF :1135279.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 3428584.2/46

All: 0.003+/-0.000 χ^2/NDF : 8277870.8/96

- sign 0.003+/-0.000 χ^2/NDF : 4849265.2/49

yield_bpm0i01aX_mean vs Slug



Right In: -2.064+/-0.000 χ^2/NDF : 26809091014.1/21

Left Out: -2.170+/-0.000 χ^2/NDF : 59967315241.9/24

Right Out: -1.993+/-0.000 χ^2/NDF : 33474051794.5/26

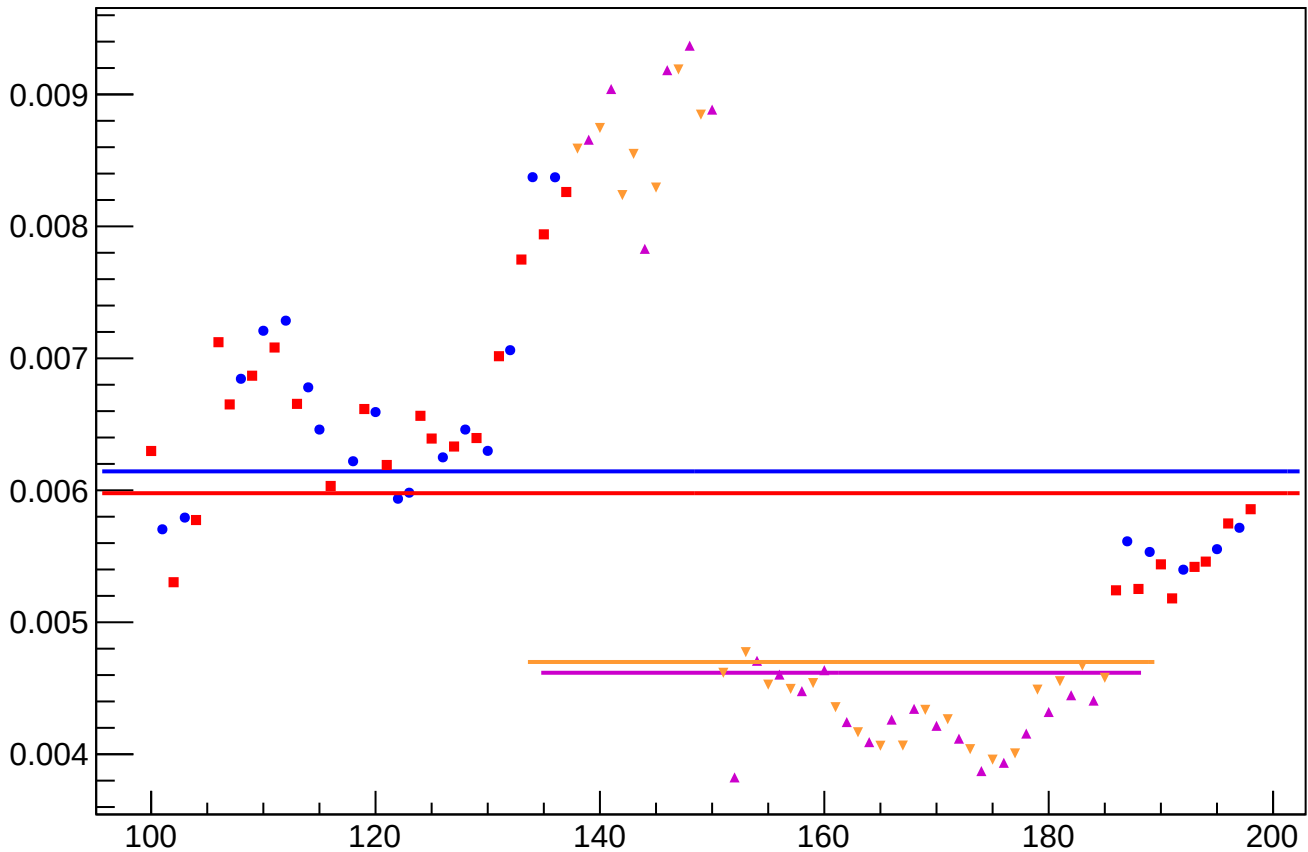
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.144+/-0.000 χ^2/NDF : 88899475401.3/46

All: -2.132+/-0.000 χ^2/NDF : 203708662325.2

- sign -2.121+/-0.000 χ^2/NDF : 114547122034.6/49

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 294868.2/21

Left Out: 0.005+/-0.000 χ^2/NDF : 2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 349617.7/26

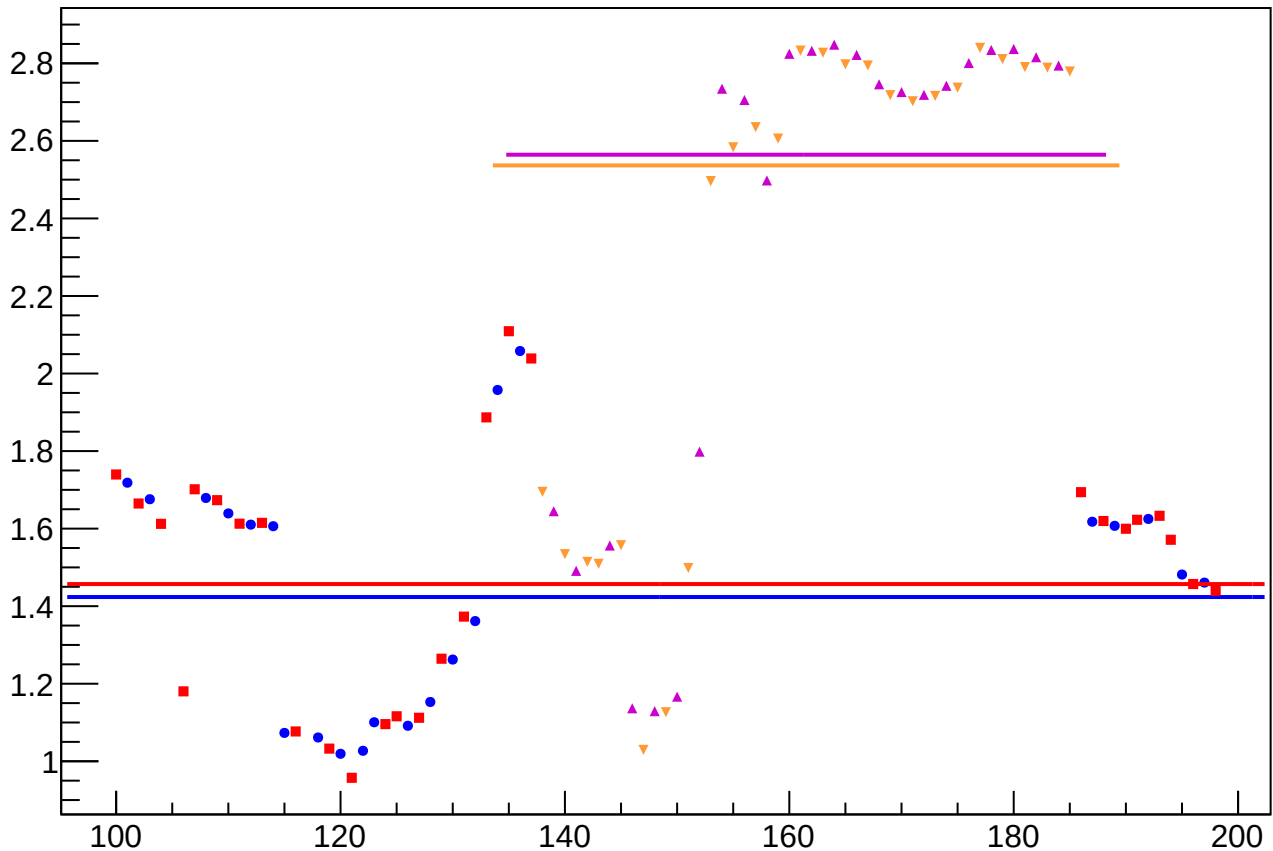
Left In: 0.005+/-0.000 χ^2/NDF : 2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3394627.4/46

All: 0.005+/-0.000 χ^2/NDF : 6945799.0/96

- sign 0.005+/-0.000 χ^2/NDF : 3550717.6/49

yield_bpm0i01aY_mean vs Slug



Right In: 1.424+/-0.000 χ^2/NDF : 174087393162.2/21

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.457+/-0.000 χ^2/NDF : 176661707479.4/26

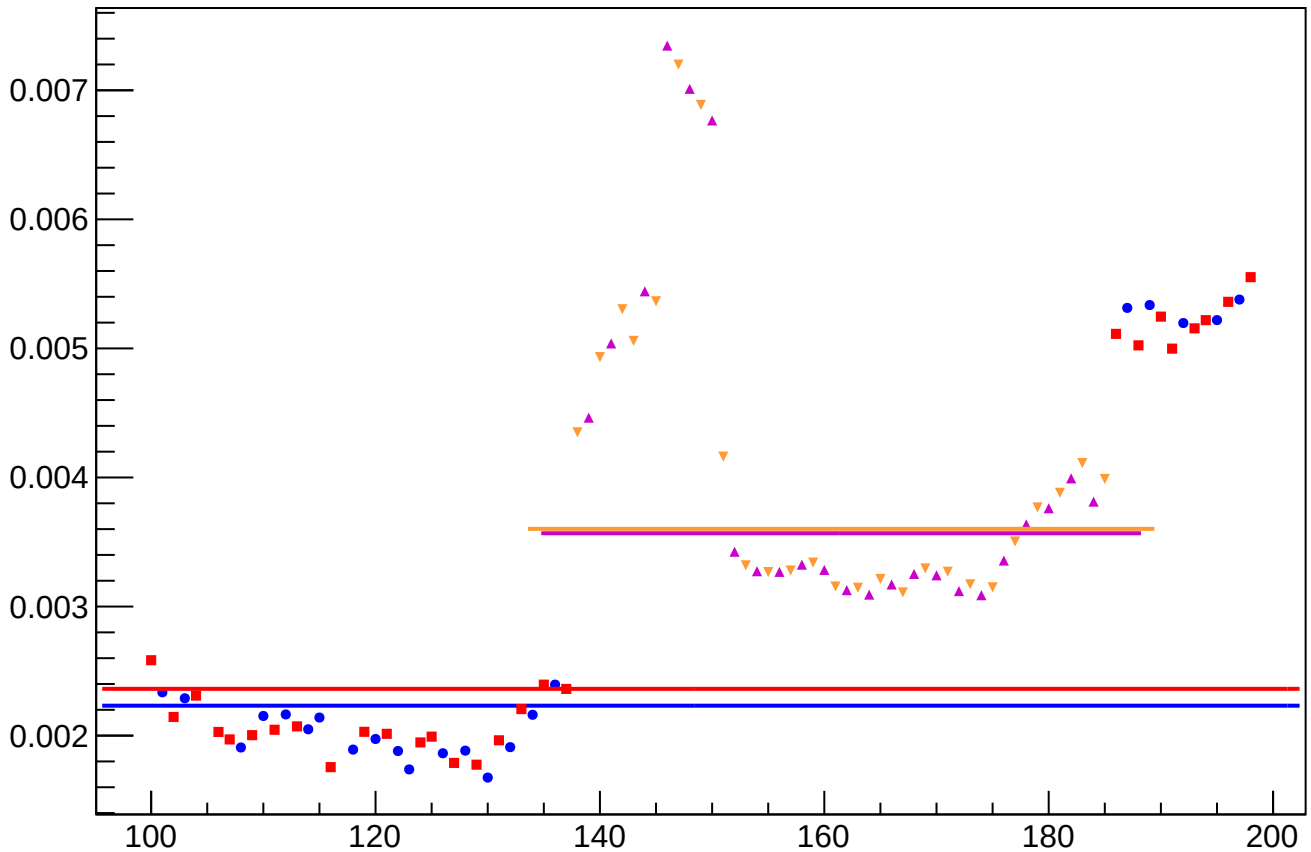
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.916+/-0.000 χ^2/NDF : 1334456309970.9/46

All: 1.914+/-0.000 χ^2/NDF : 265663506222.2

- sign 1.912+/-0.000 χ^2/NDF : 1322163331324.7/49

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2317357.5/21

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3471178.7/26

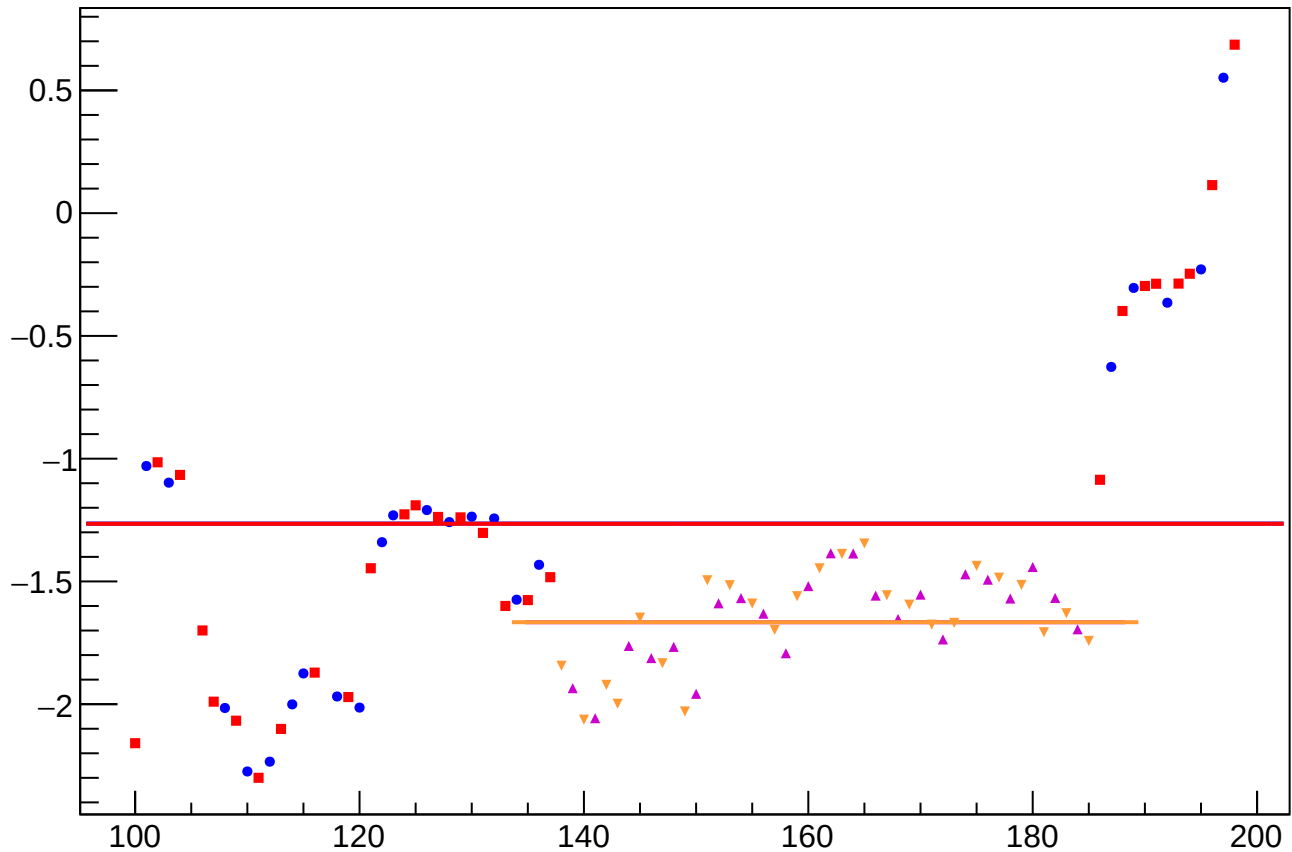
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 6428011.3/46

All: 0.003+/-0.000 χ^2/NDF : 13561574.3/96

- sign 0.003+/-0.000 χ^2/NDF : 7132305.7/49

yield_bpm0l01X_mean vs Slug



Right In: -1.264+/-0.000 χ^2/NDF : 69693904744.5/21

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -1.265+/-0.000 χ^2/NDF : 119639822007.3/26

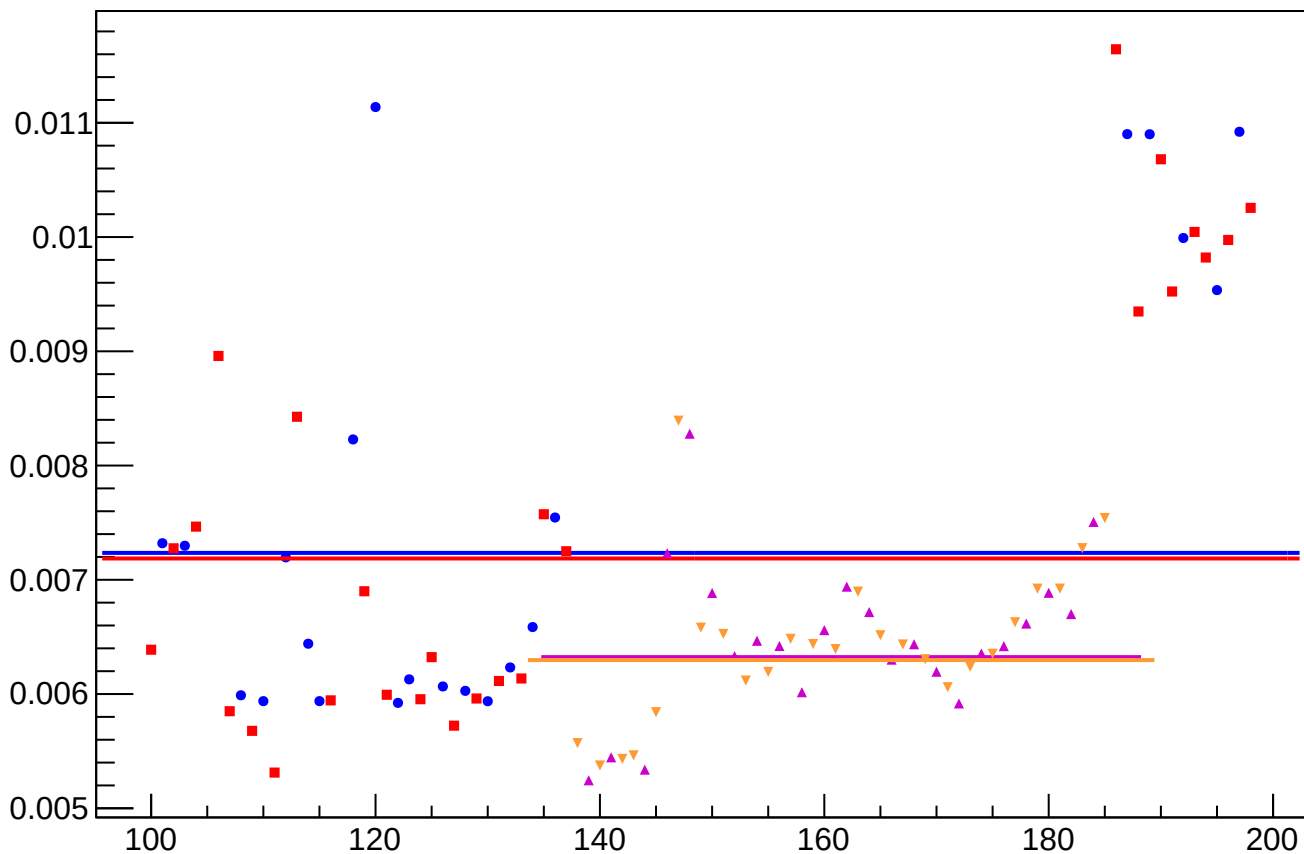
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.556+/-0.000 χ^2/NDF : 107557621081.8/46

All: -1.542+/-0.000 χ^2/NDF : 264205637201.3

- sign -1.529+/-0.000 χ^2/NDF : 156431132488.1/49

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 852946.7/21

Left Out: 0.006+/-0.000 χ^2/NDF : 310757.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 1253296.5/26

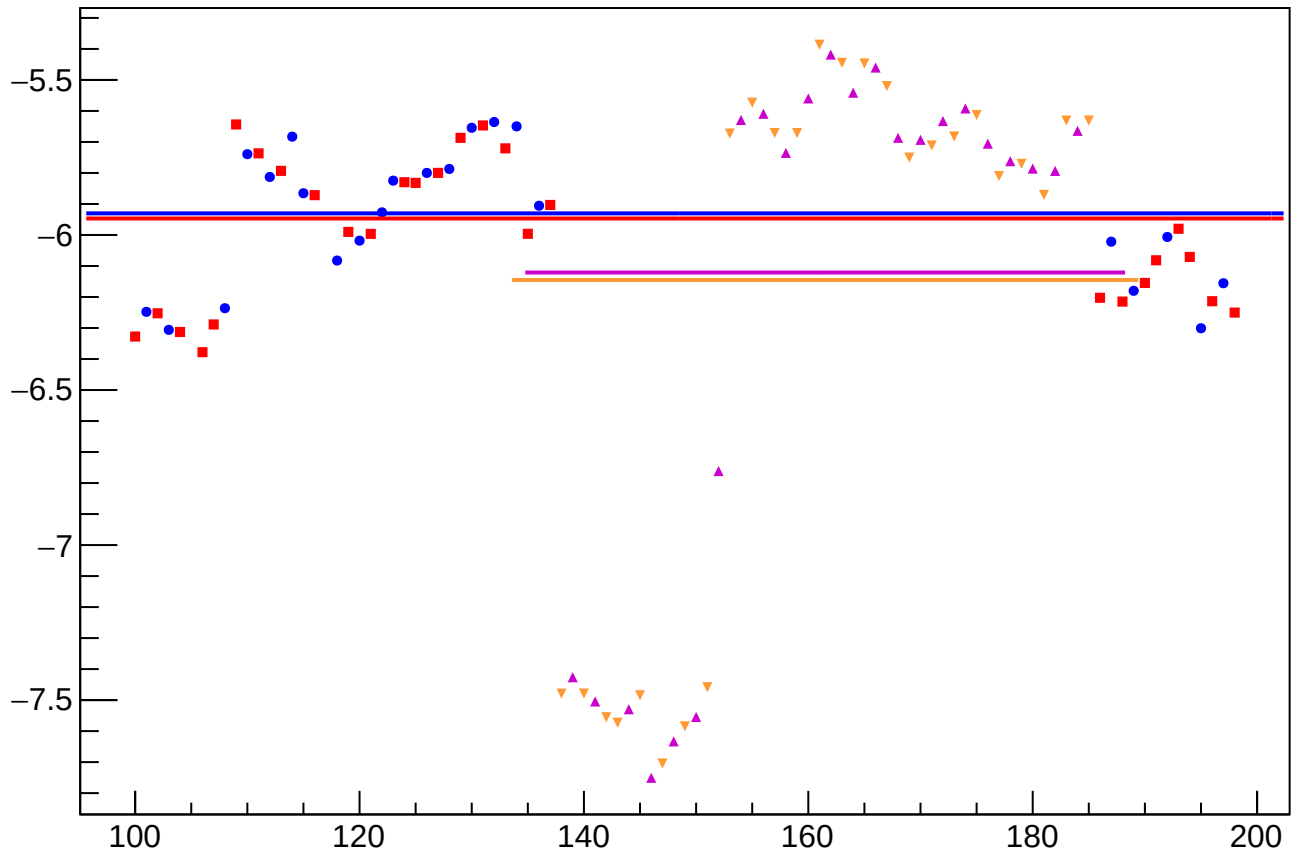
Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 1376720.6/46

All: 0.007+/-0.000 χ^2/NDF : 3171898.8/96

- sign 0.007+/-0.000 χ^2/NDF : 1792734.4/49

yield_bpm0l01Y_mean vs Slug



Right In: -5.930 ± 0.000 $\chi^2/\text{NDF}: 12309525071.5/21$

Left Out: -6.145 ± 0.000 $\chi^2/\text{NDF}: 185364150237.7/24$

Right Out: -5.947 ± 0.000 $\chi^2/\text{NDF}: 14459643462.6/26$

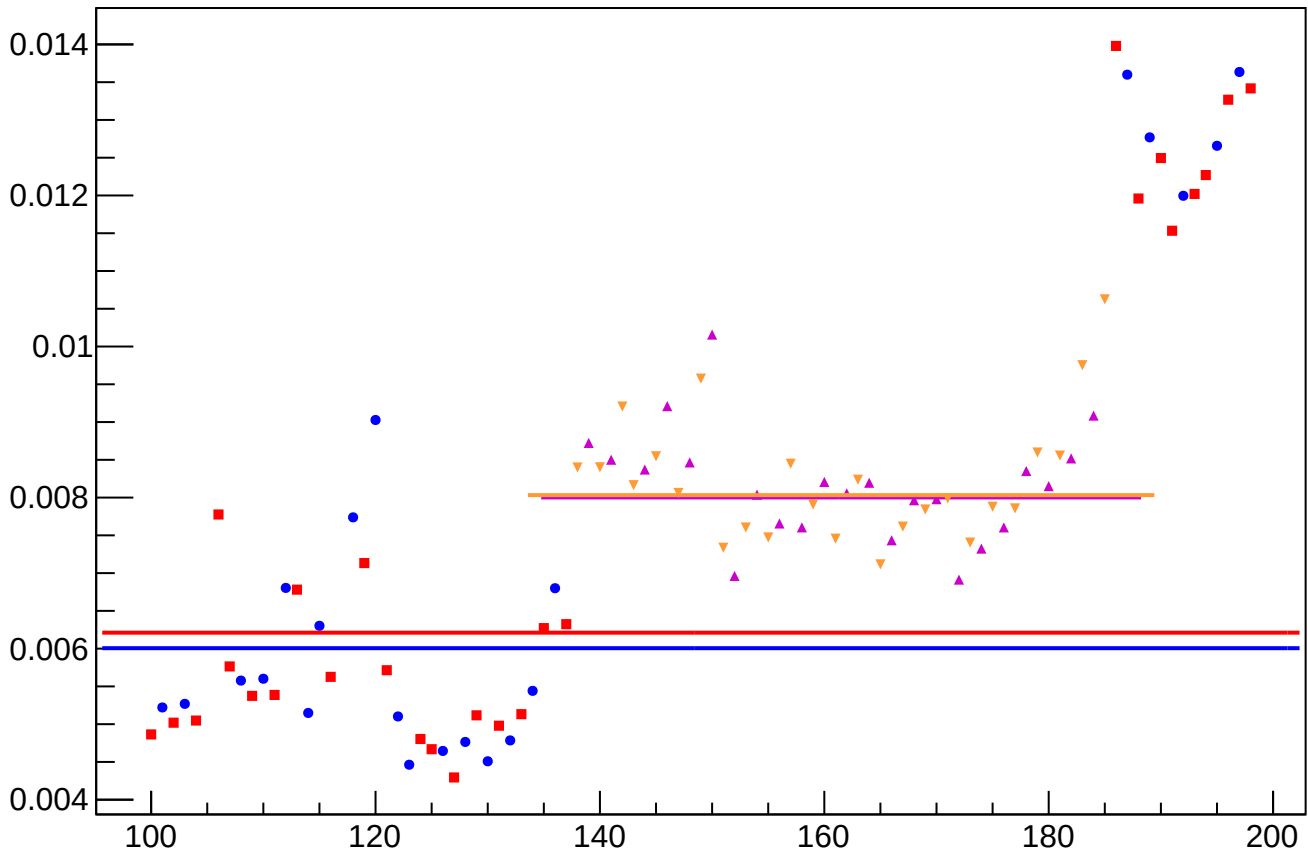
Left In: -6.121 ± 0.000 $\chi^2/\text{NDF}: 158315913062.3/22$

+ sign -6.046 ± 0.000 $\chi^2/\text{NDF}: 203147534960.8/46$

All: -6.039 ± 0.000 $\chi^2/\text{NDF}: 379761693660.4$

- sign -6.033 ± 0.000 $\chi^2/\text{NDF}: 176571022042.4/49$

yield_bpm0l01Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 2168763.4/21

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205762.2/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 3080168.9/26

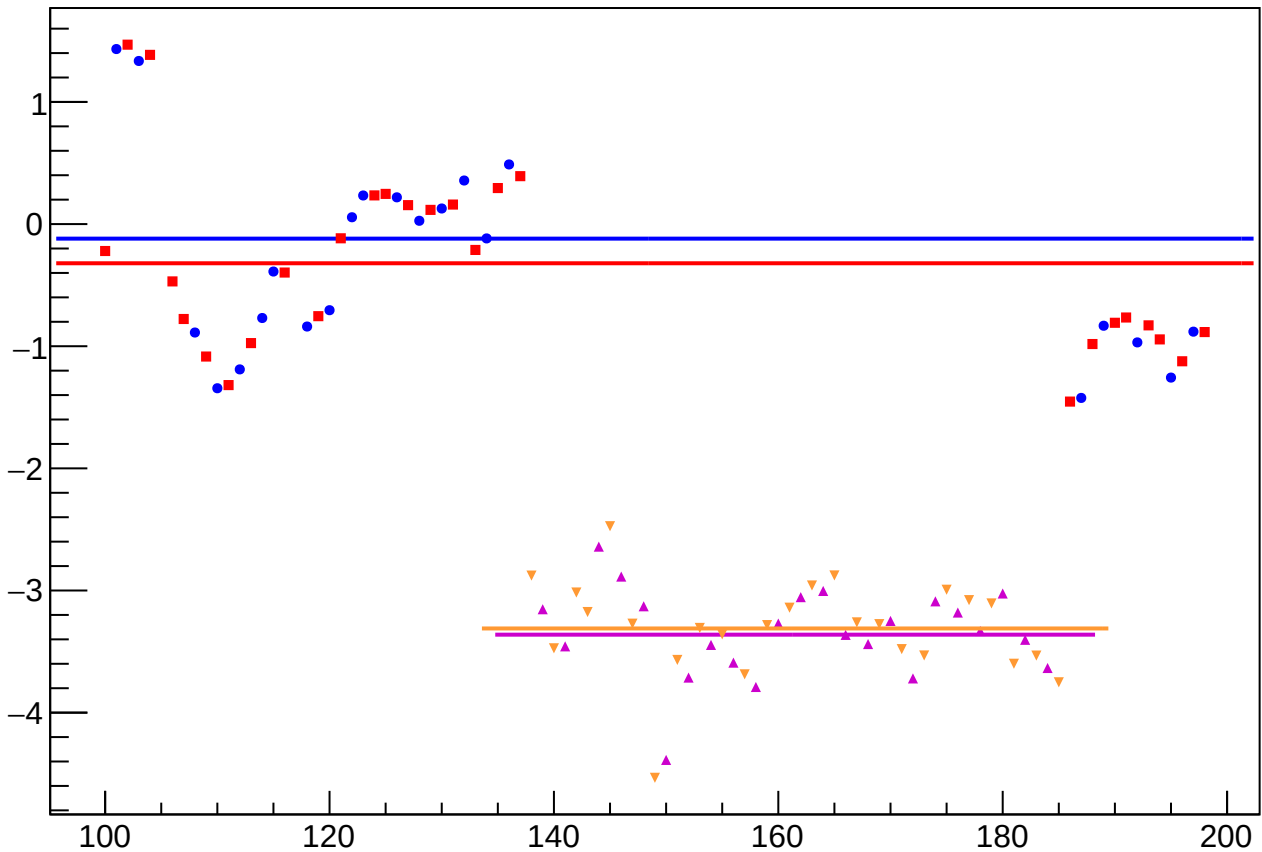
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220756.1/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3349030.2/46

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7450682.1/96

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4101647.2/49

yield_bpm0l02X_mean vs Slug



Right In: -0.119+/-0.000 χ^2/NDF : 27383818490.4/21

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.321+/-0.000 χ^2/NDF : 30749688363.3/26

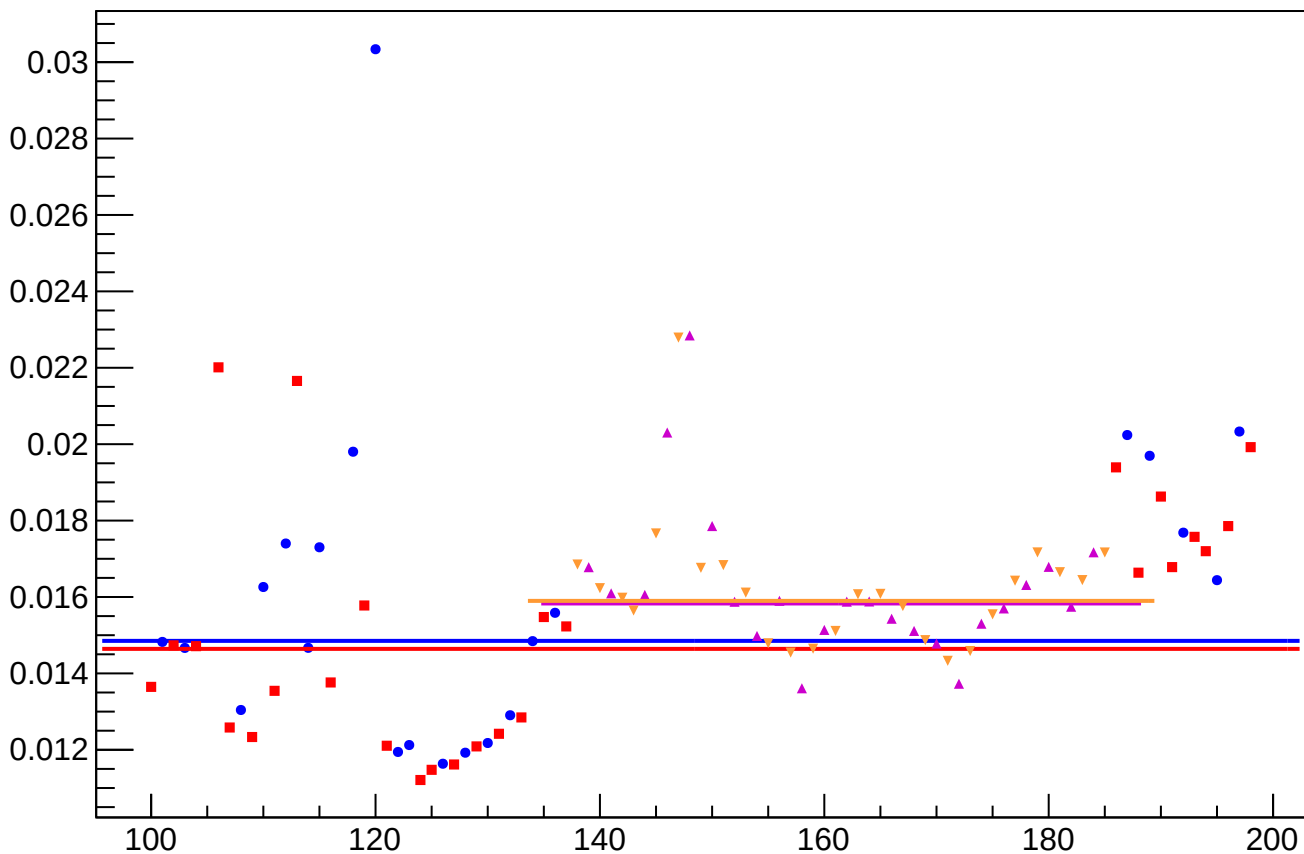
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.157+/-0.000 χ^2/NDF : 294297945825.2/46

All: -2.090+/-0.000 χ^2/NDF : 602889150790.7

- sign -2.028+/-0.000 χ^2/NDF : 307644950853.6/49

yield_bpm0l02X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 691961.6/21

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF : 767537.9/26

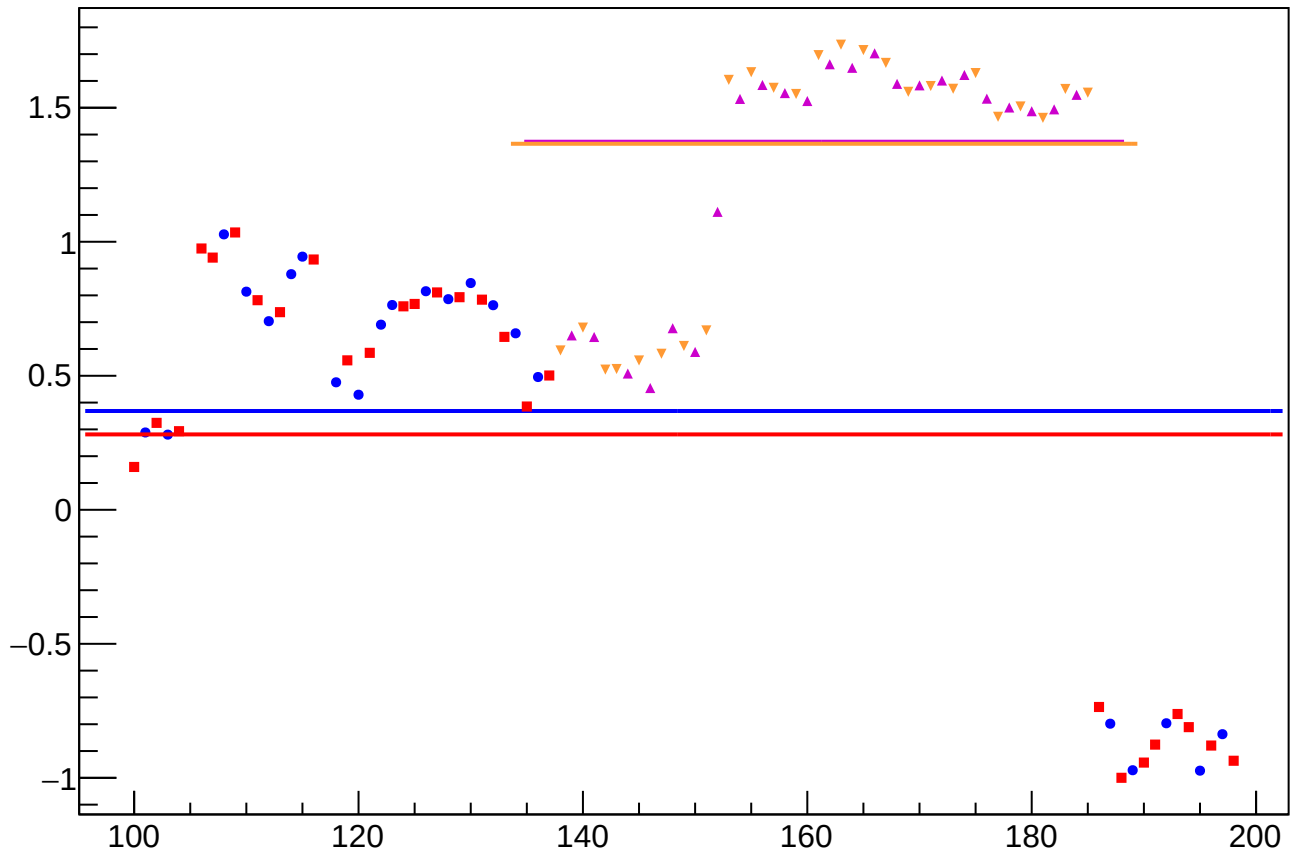
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 999291.1/46

All: 0.015+/-0.000 χ^2/NDF : 2193509.6/96

- sign 0.015+/-0.000 χ^2/NDF : 1189183.1/49

yield_bpm0l02Y_mean vs Slug



Right In: 0.369 $\pm$ 0.000 χ^2 /NDF: 40951821267.8/21

Left Out: 1.366 $\pm$ 0.000 χ^2 /NDF: 74741956067.9/24

Right Out: 0.281 $\pm$ 0.000 χ^2 /NDF: 62922040085.6/26

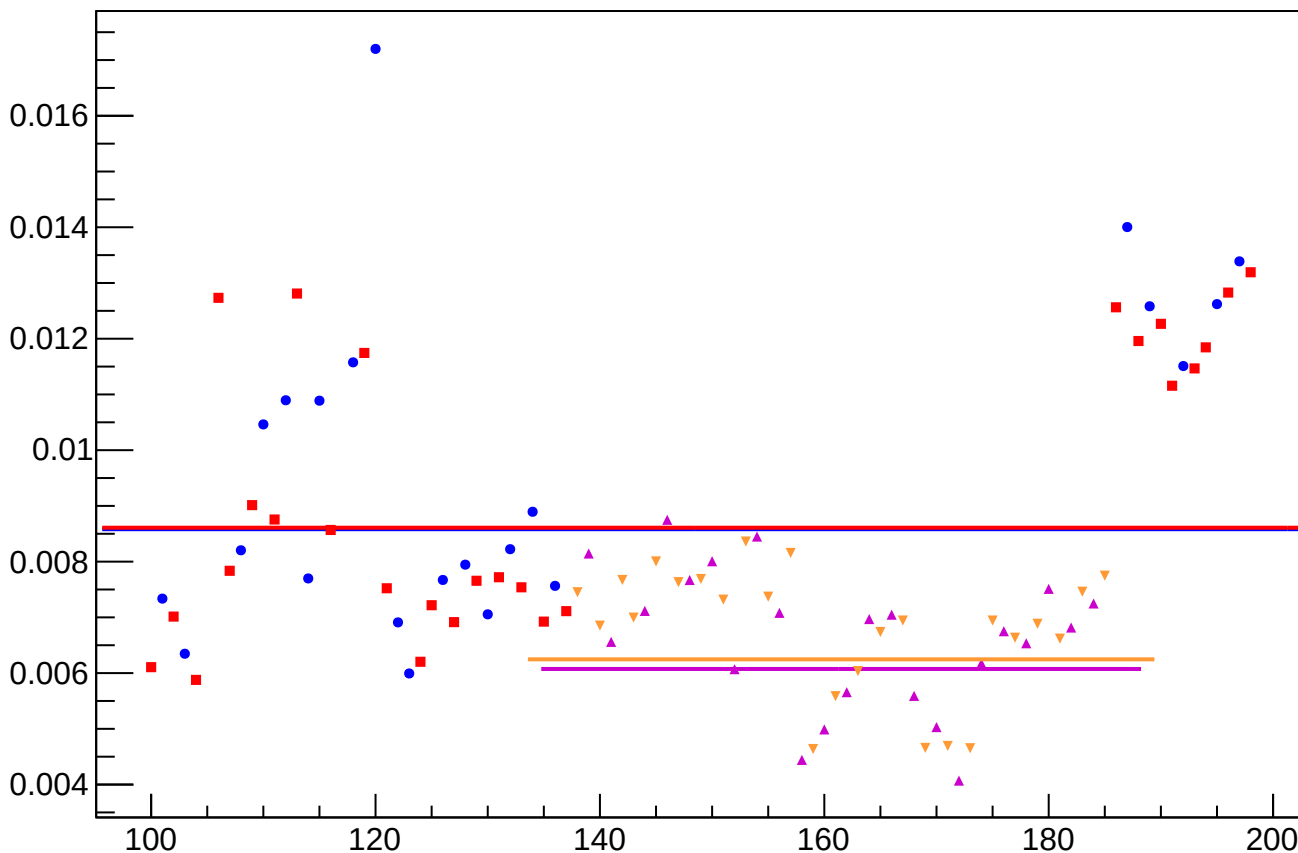
Left In: 1.373 $\pm$ 0.000 χ^2 /NDF: 63413151416.3/22

+ sign 1.155 $\pm$ 0.000 χ^2 /NDF: 205065784147.5/46

All: 1.128 $\pm$ 0.000 χ^2 /NDF: 458680809691.4

- sign 1.102 $\pm$ 0.000 χ^2 /NDF: 252836156241.6/49

yield_bpm0l02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1167003.7/21

Left Out: 0.006+/-0.000 χ^2/NDF : 1330867.5/24

Right Out: 0.009+/-0.000 χ^2/NDF : 1540468.4/26

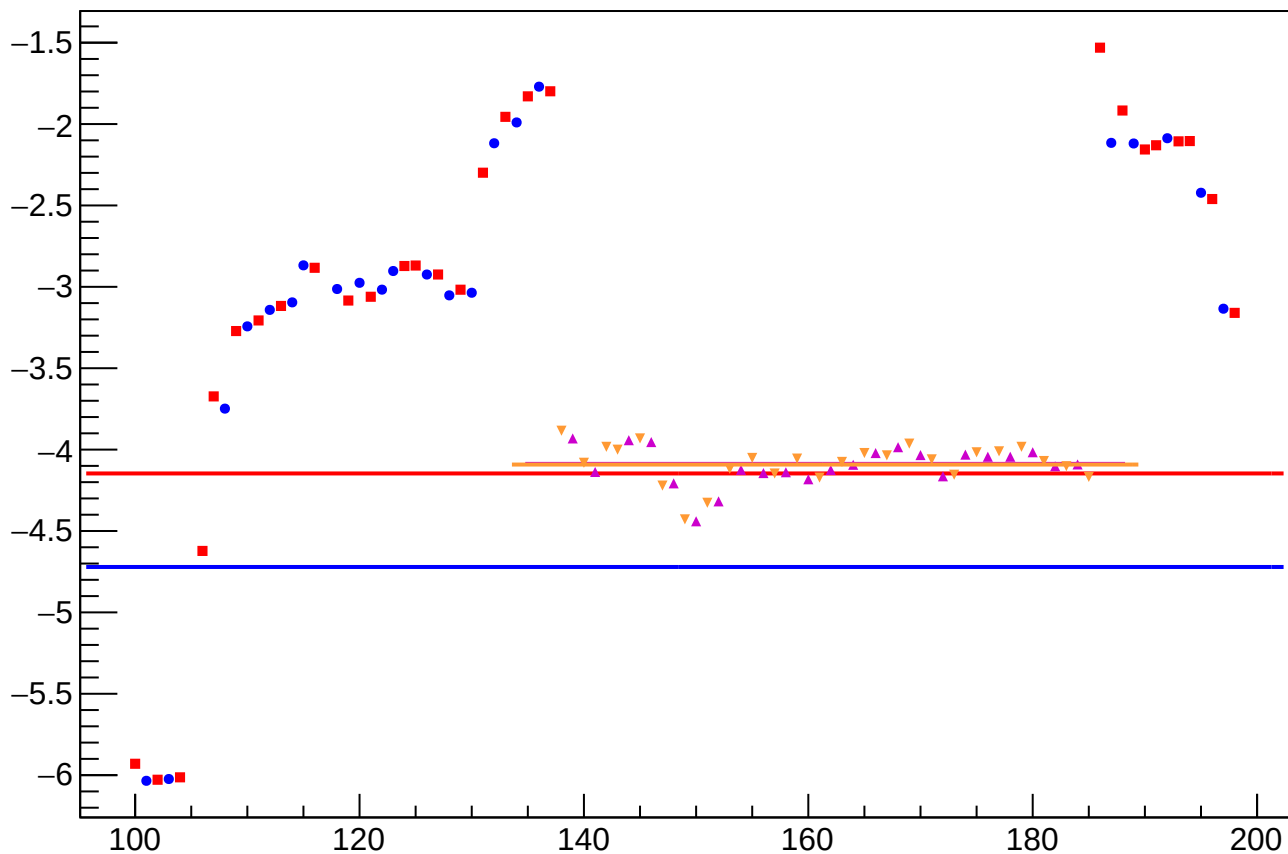
Left In: 0.006+/-0.000 χ^2/NDF : 1431986.5/22

+ sign 0.007+/-0.000 χ^2/NDF : 3478345.3/46

All: 0.007+/-0.000 χ^2/NDF : 7814925.2/96

- sign 0.007+/-0.000 χ^2/NDF : 4335840.9/49

yield_bpm0l03X_mean vs Slug



Right In: -4.721+/-0.000 χ^2/NDF : 217781892198.6/21

Left Out: -4.092+/-0.000 χ^2/NDF : 39806766.7/24

Right Out: -4.146+/-0.000 χ^2/NDF : 264551900412.2/26

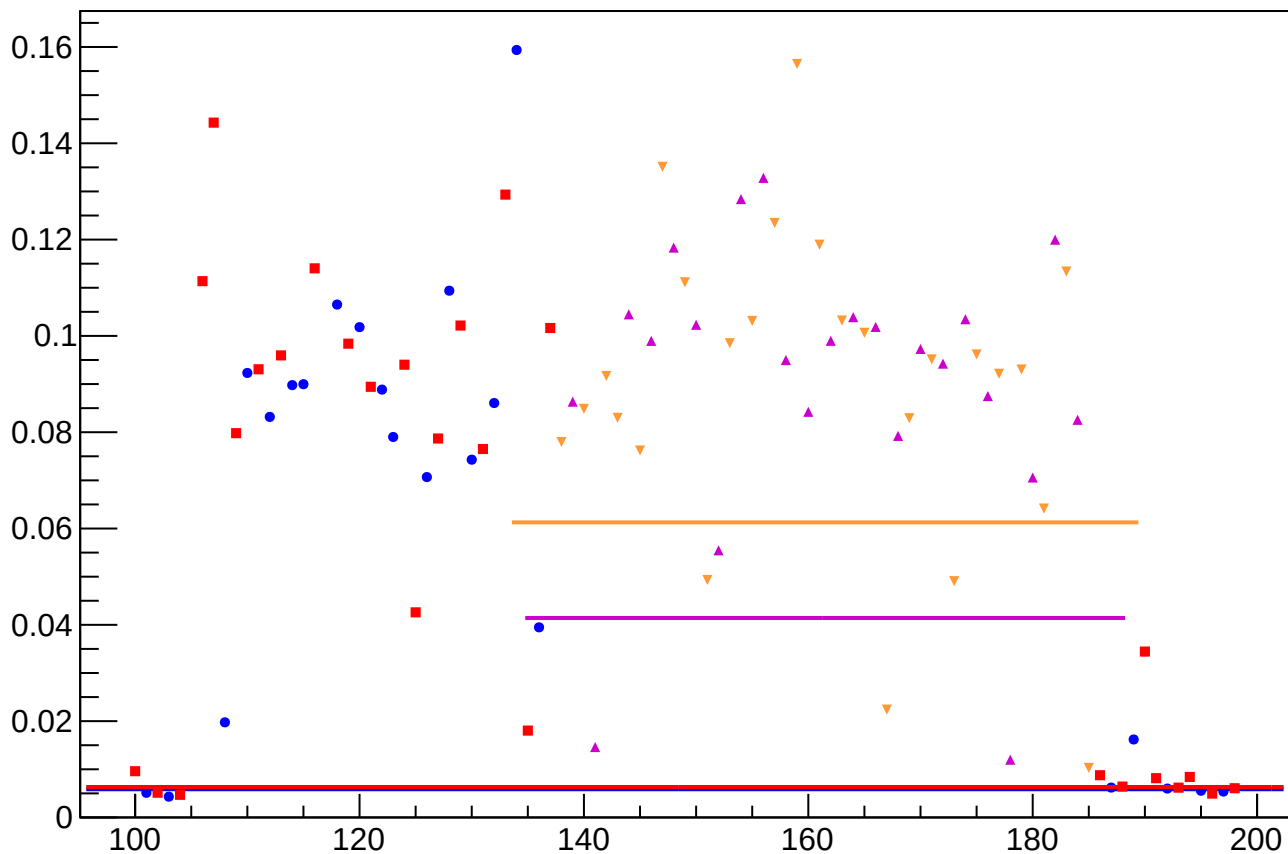
Left In: -4.088+/-0.000 χ^2/NDF : 34412880.7/22

+ sign -4.697+/-0.000 χ^2/NDF : 218945717349.7/46

All: -4.416+/-0.000 χ^2/NDF : 495444905470.8

- sign -4.143+/-0.000 χ^2/NDF : 264600246127.4/49

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7995976.6/21

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8745660.0/26

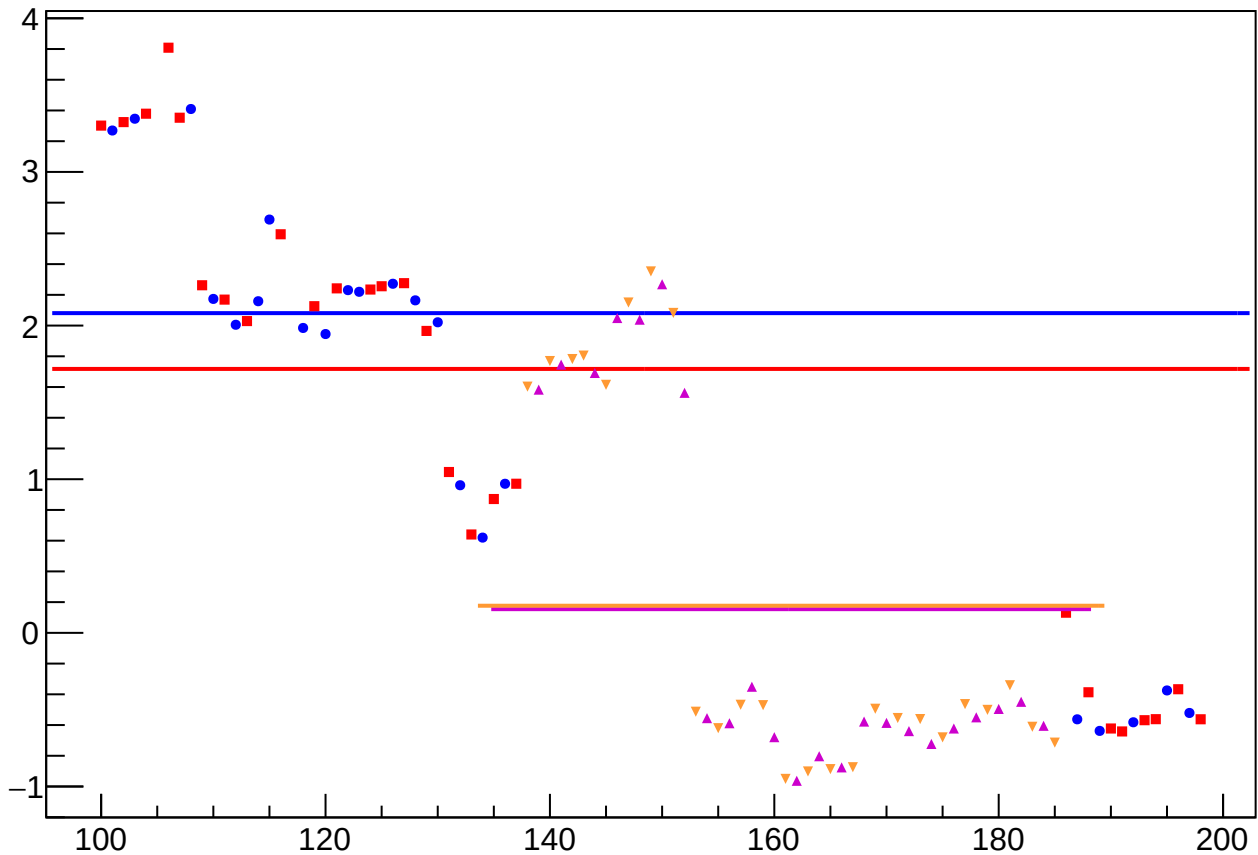
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33788015.9/46

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 65600582.2/96

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 31808539.1/49

yield_bpm0l03Y_mean vs Slug



Right In: 2.081 ± 0.000 χ^2/NDF : 130493786448.7/21

Left Out: 0.177 ± 0.000 χ^2/NDF : 3275313367.7/24

Right Out: 1.718 ± 0.000 χ^2/NDF : 159269401104.0/26

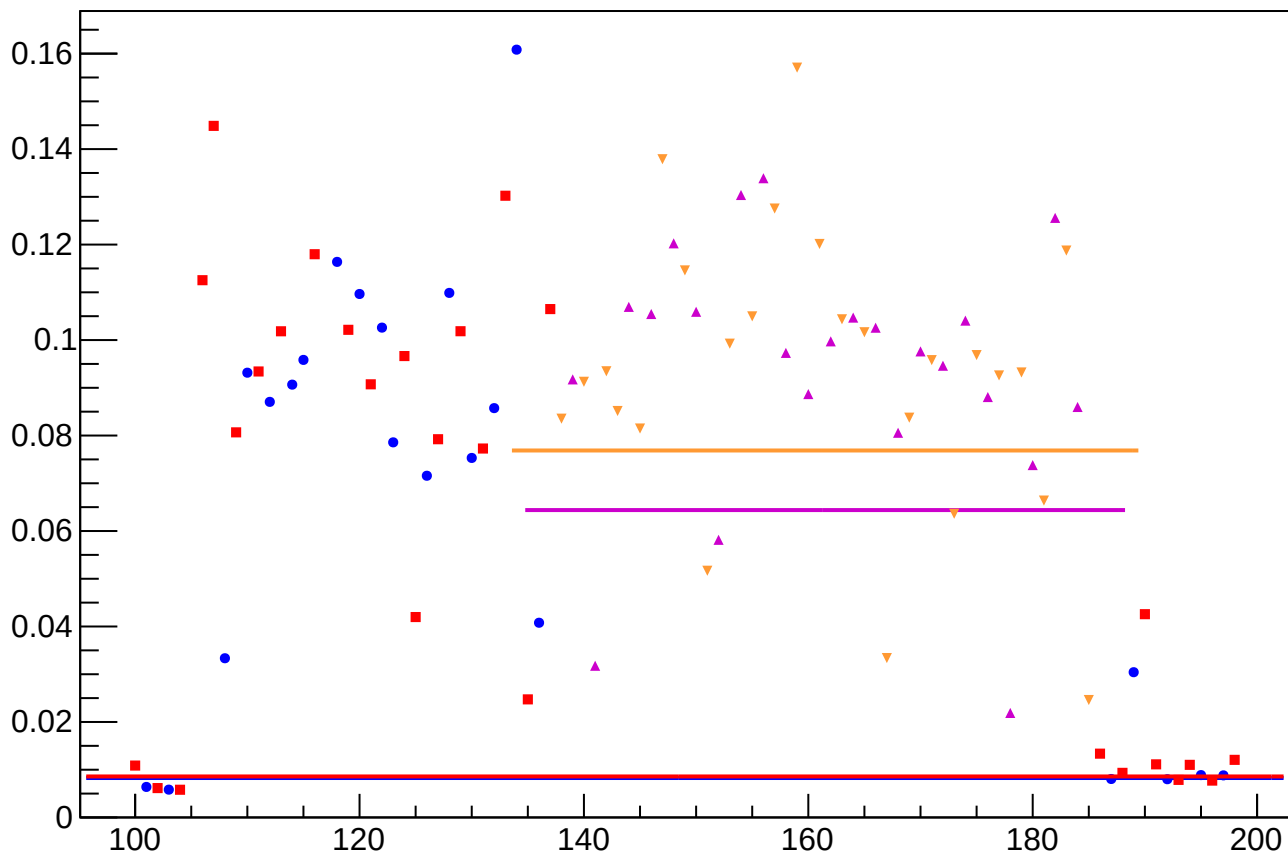
Left In: 0.154 ± 0.000 χ^2/NDF : 3163553595.0/22

+ sign 1.983 ± 0.000 χ^2/NDF : 141569500894.3/46

All: 1.801 ± 0.000 χ^2/NDF : 312780174538.0

- sign 1.634 ± 0.000 χ^2/NDF : 168401871583.6/49

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7897734.0/21

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:4217954.3/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 8629590.4/26

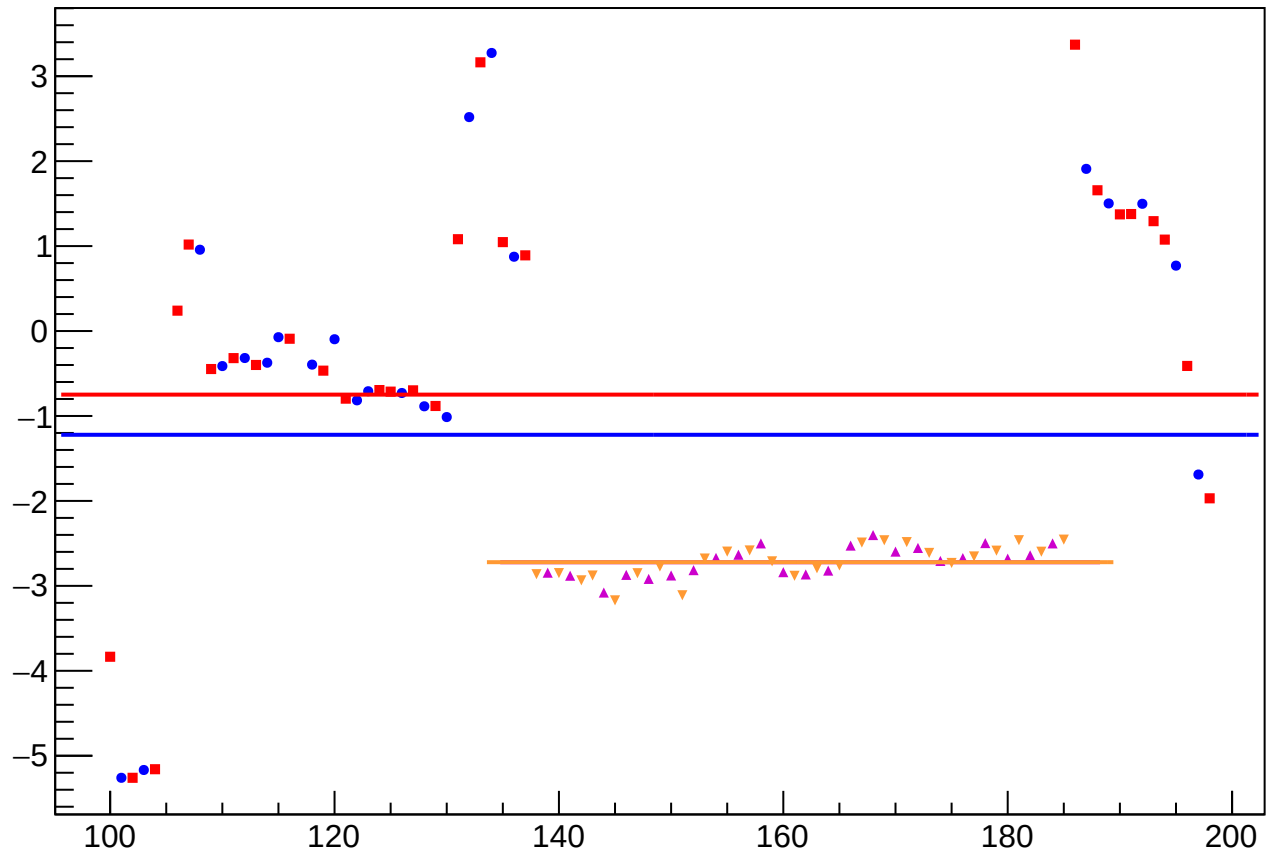
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32361938.8/46

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 63188145.2/96

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 30824052.2/49

yield_bpm0l04X_mean vs Slug



Right In: -1.222 ± 0.000 χ^2/NDF : 201426452993.2/21

Left Out: -2.721 ± 0.000 χ^2/NDF : 10397156971.6/24

Right Out: -0.749 ± 0.000 χ^2/NDF : 228203923105.0/26

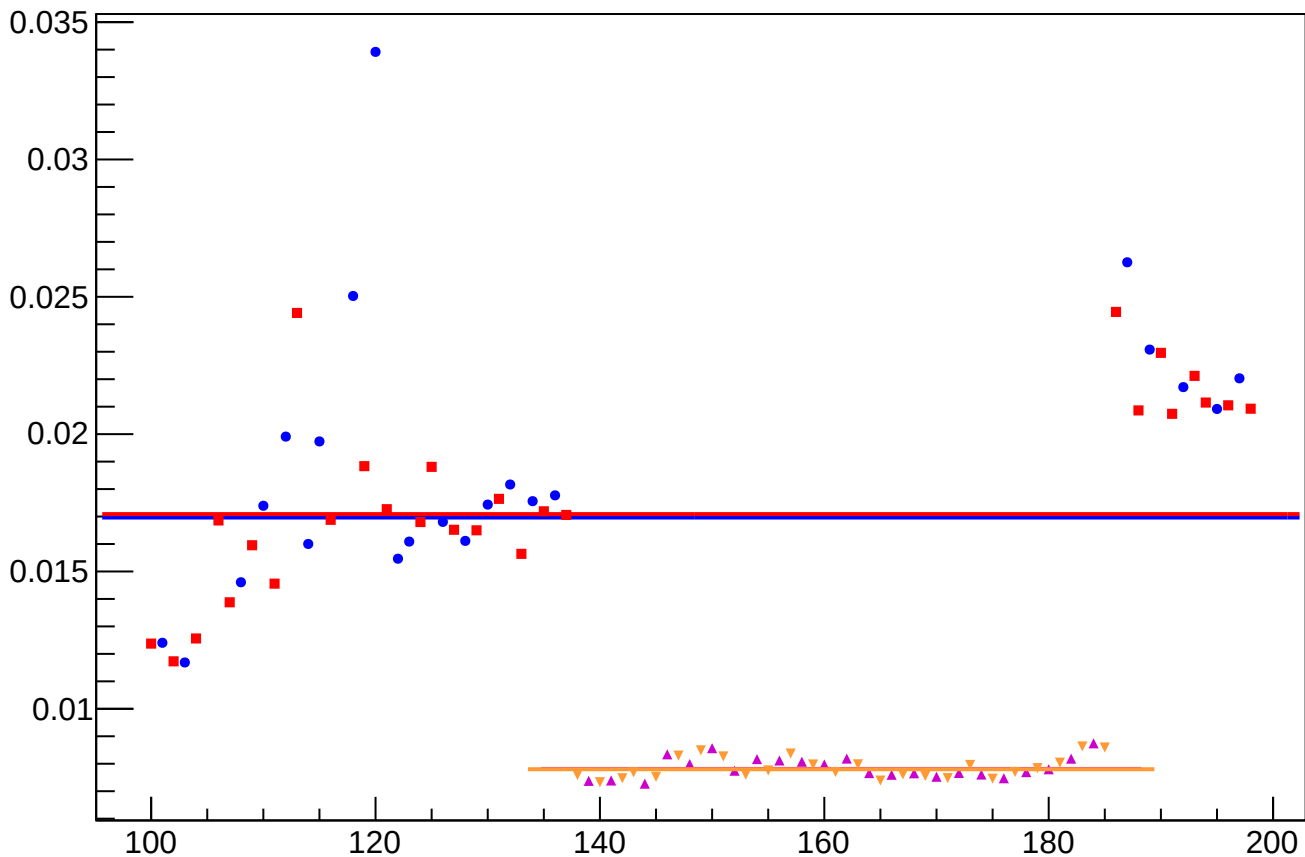
Left In: -2.722 ± 0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.585 ± 0.000 χ^2/NDF : 271376510724.2/46

All: -2.537 ± 0.000 χ^2/NDF : 636165948734.5

- sign -2.487 ± 0.000 χ^2/NDF : 363281064295.8/49

yield_bpm0l04X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 972867.0/21

Left Out: 0.008+/-0.000 χ^2/NDF : 71164.4/24

Right Out: 0.017+/-0.000 χ^2/NDF : 933662.1/26

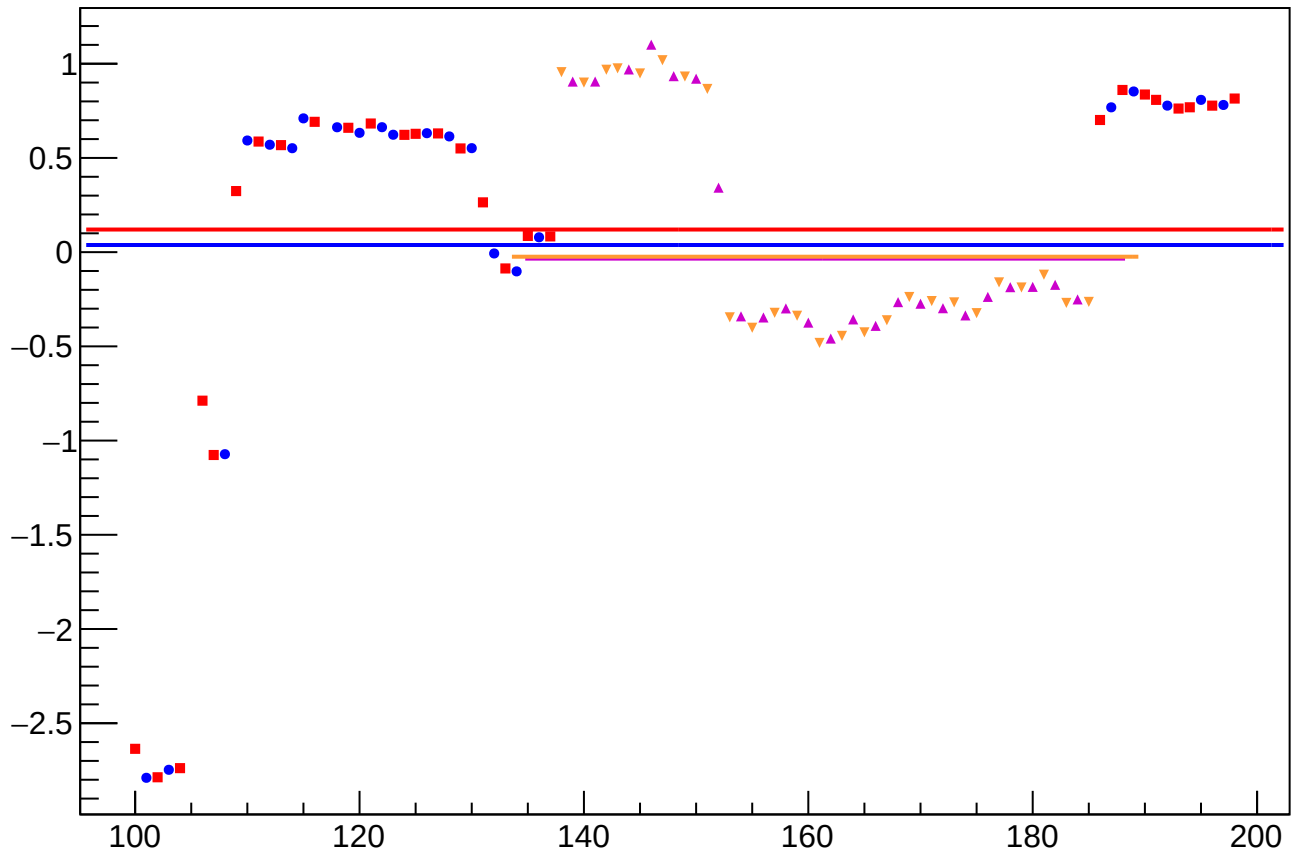
Left In: 0.008+/-0.000 χ^2/NDF : 67610.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 5491274.5/46

All: 0.009+/-0.000 χ^2/NDF : 12129729.5/96

- sign 0.009+/-0.000 χ^2/NDF : 6613516.8/49

yield_bpm0l04Y_mean vs Slug



Right In: 0.038 $\pm$ 0.000 χ^2 /NDF: 800158603881.9/21

Left Out: -0.024 $\pm$ 0.000 χ^2 /NDF: 135451649275.0/24

Right Out: 0.120 $\pm$ 0.000 χ^2 /NDF: 888325996402.9/26

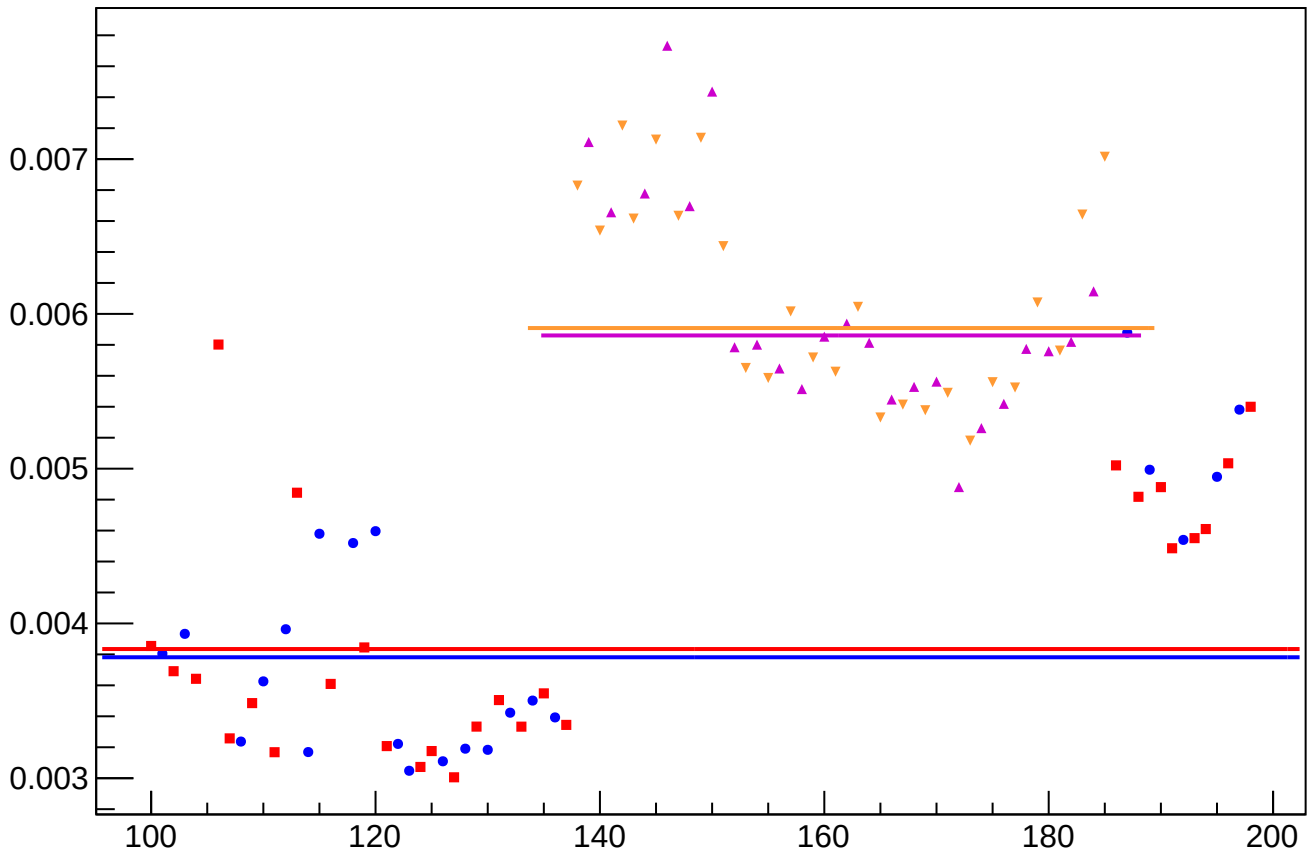
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF: 113929060918.1/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 936665798375.7/46

All: 0.038 $\pm$ 0.000 χ^2 /NDF: 1947305713557.

- sign 0.062 $\pm$ 0.000 χ^2 /NDF: 1009148980218.5/49

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 595167.4/21

Left Out: 0.006+/-0.000 χ^2/NDF : 314309.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 820917.9/26

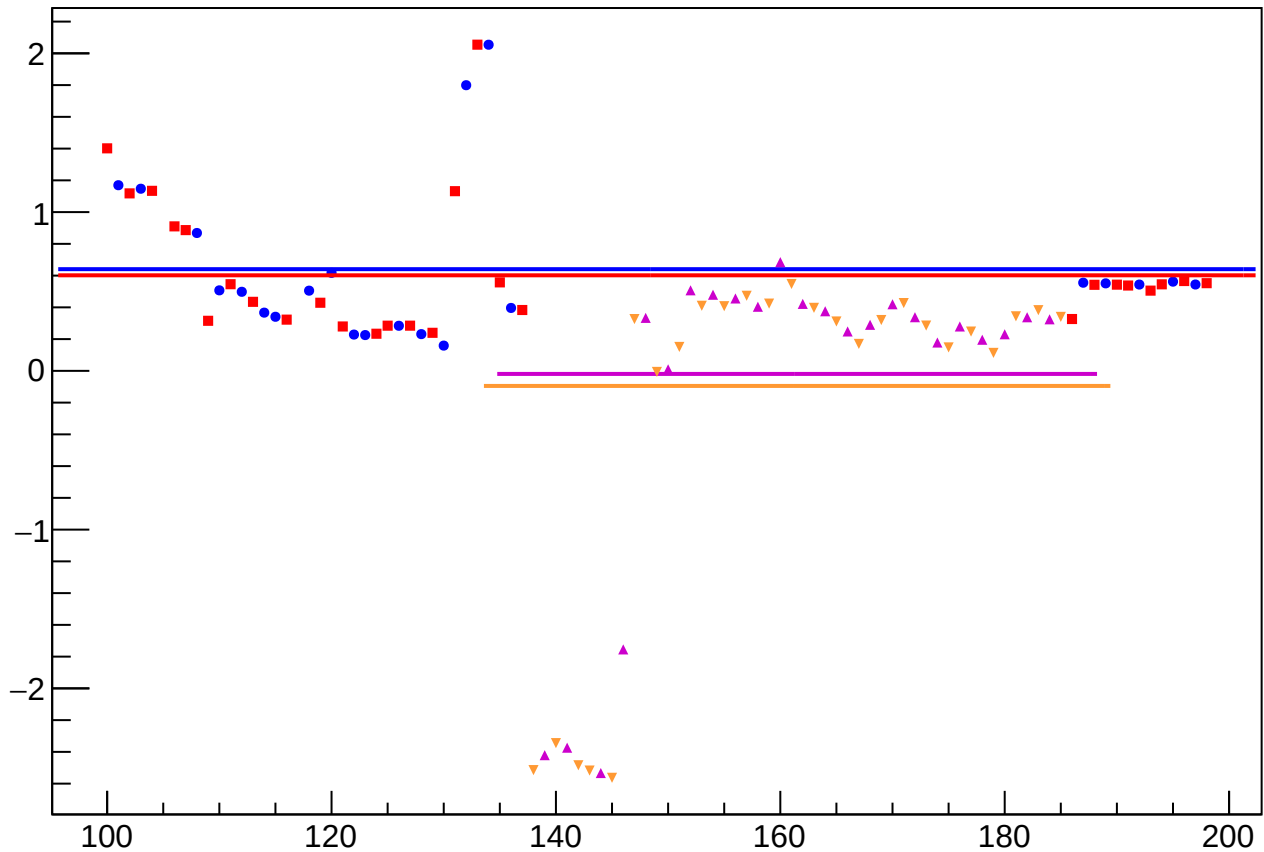
Left In: 0.006+/-0.000 χ^2/NDF : 364512.1/22

+ sign 0.005+/-0.000 χ^2/NDF : 3385178.1/46

All: 0.005+/-0.000 χ^2/NDF : 6957022.3/96

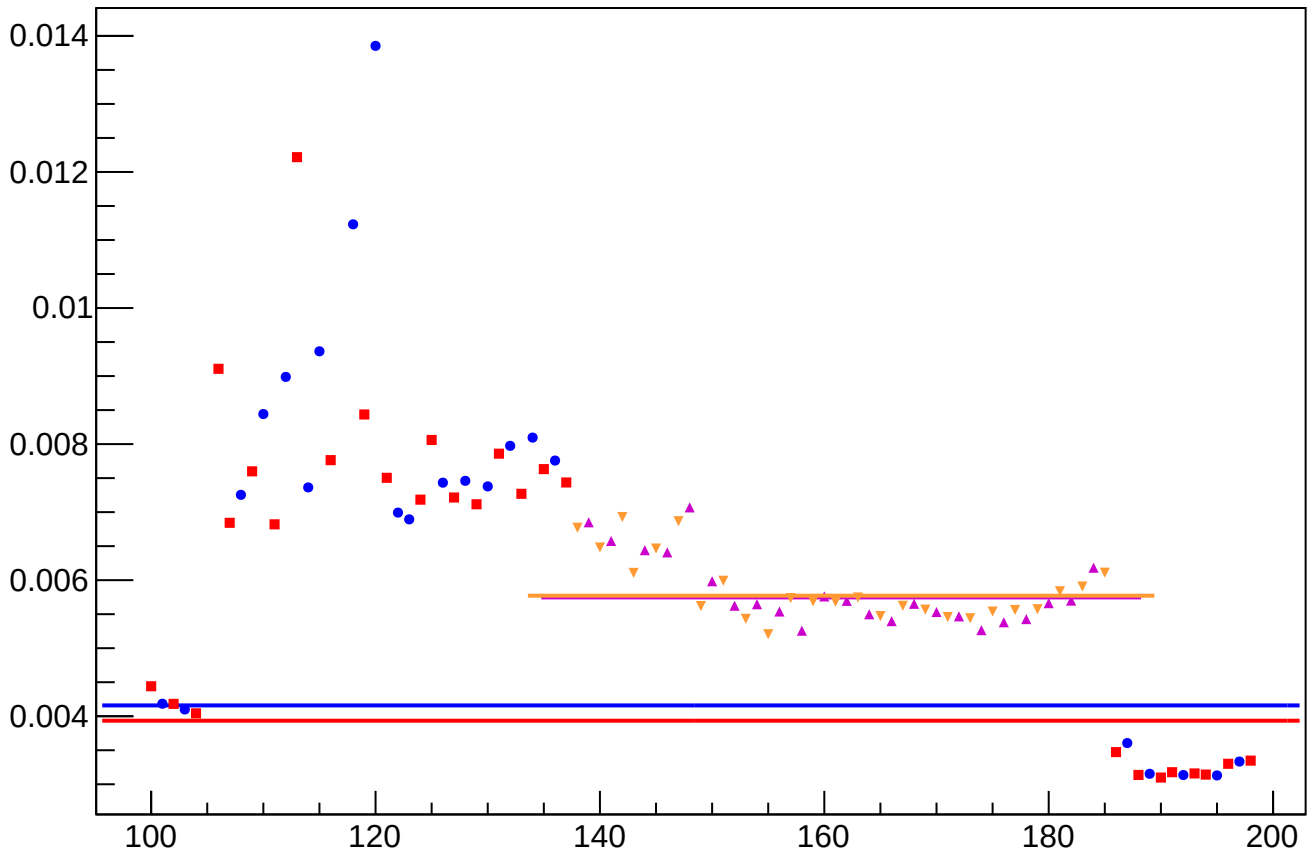
- sign 0.005+/-0.000 χ^2/NDF : 3559948.0/49

yield_bpm0l05X_mean vs Slug



Right In: 0.641 $\pm$ 0.000	χ^2 /NDF: 38983423990.3/21	+ sign 0.240 $\pm$ 0.000	χ^2 /NDF: 671459097380.5/46
Left Out: -0.095 $\pm$ 0.000	χ^2 /NDF: 505606573631.9/24	All: 0.288 $\pm$ 0.000	χ^2 /NDF: 1244552220080.
Right Out: 0.602 $\pm$ 0.000	χ^2 /NDF: 45390867299.2/26	- sign 0.328 $\pm$ 0.000	χ^2 /NDF: 569069140249.6/49
Left In: -0.019 $\pm$ 0.000	χ^2 /NDF: 417104863944.5/22		

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2900051.3/21

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:177680.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3048821.7/26

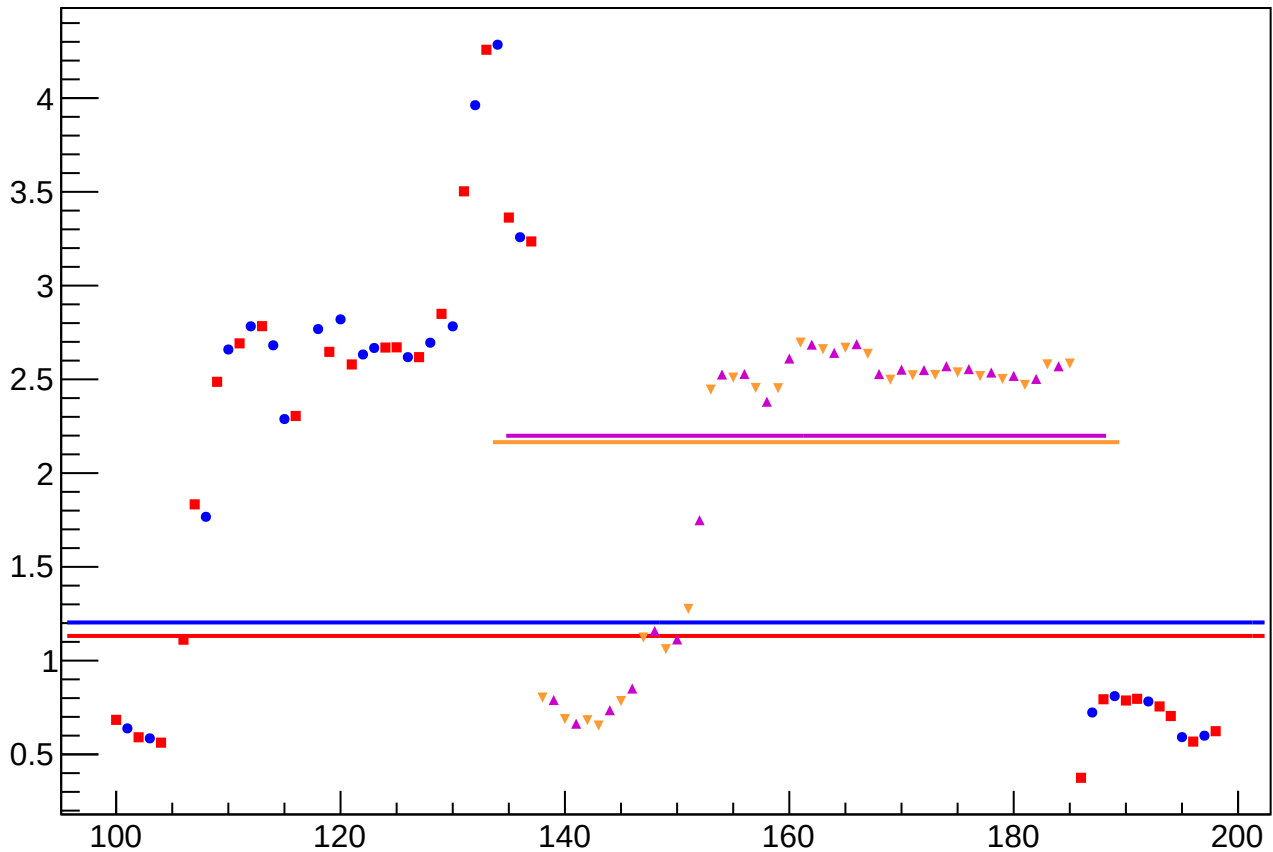
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4298086.9/46

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 9461048.7/96

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5067050.2/49

yield_bpm0l05Y_mean vs Slug



Right In: 1.204 $\pm$ 0.000 χ^2 /NDF: 257812457650.3/21

Left Out: 2.165 $\pm$ 0.000 χ^2 /NDF: 292800056899.6/24

Right Out: 1.132 $\pm$ 0.000 χ^2 /NDF: 317423769203.6/26

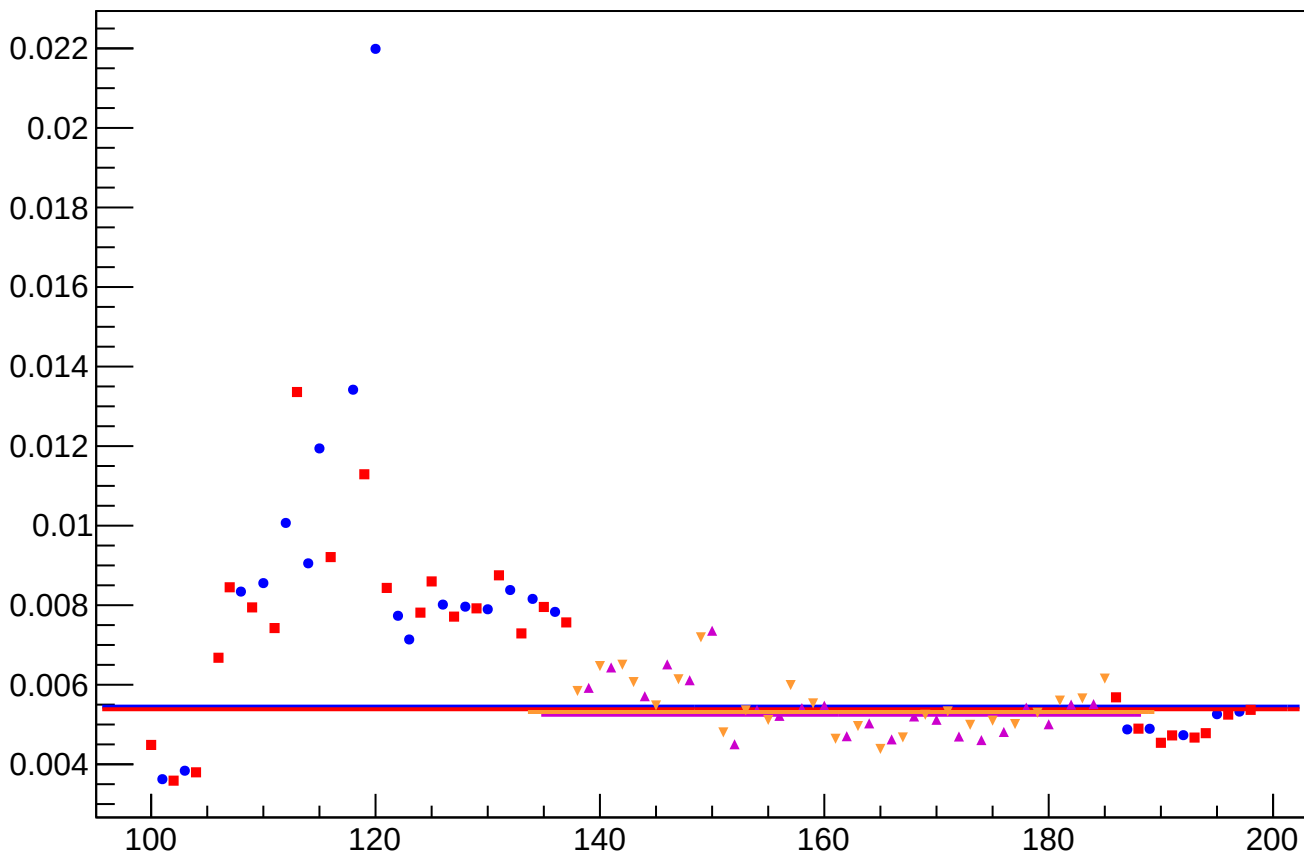
Left In: 2.199 $\pm$ 0.000 χ^2 /NDF: 253166239065.4/22

+ sign 1.870 $\pm$ 0.000 χ^2 /NDF: 717116851843.0/46

All: 1.831 $\pm$ 0.000 χ^2 /NDF: 1537012164361.0/46

- sign 1.795 $\pm$ 0.000 χ^2 /NDF: 817410200110.7/49

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2004301.1/21

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1875945.6/26

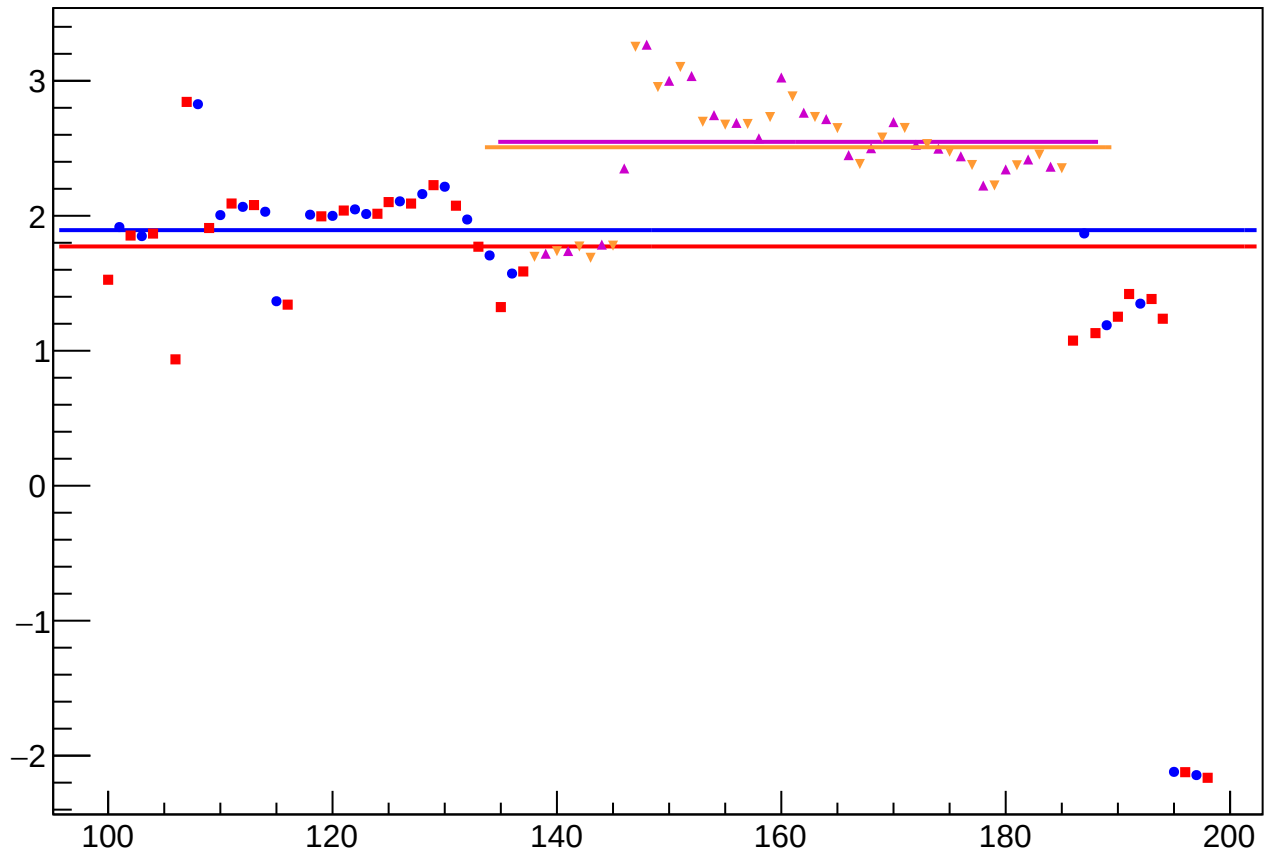
Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2409623.3/46

All: 0.005+/-0.000 χ^2/NDF : 4722756.4/96

- sign 0.005+/-0.000 χ^2/NDF : 2310101.4/49

yield_bpm0l06X_mean vs Slug



Right In: 1.894 $\pm$ 0.000 χ^2 /NDF: 51810397557.4/21

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.773 $\pm$ 0.000 χ^2 /NDF: 67283306752.3/26

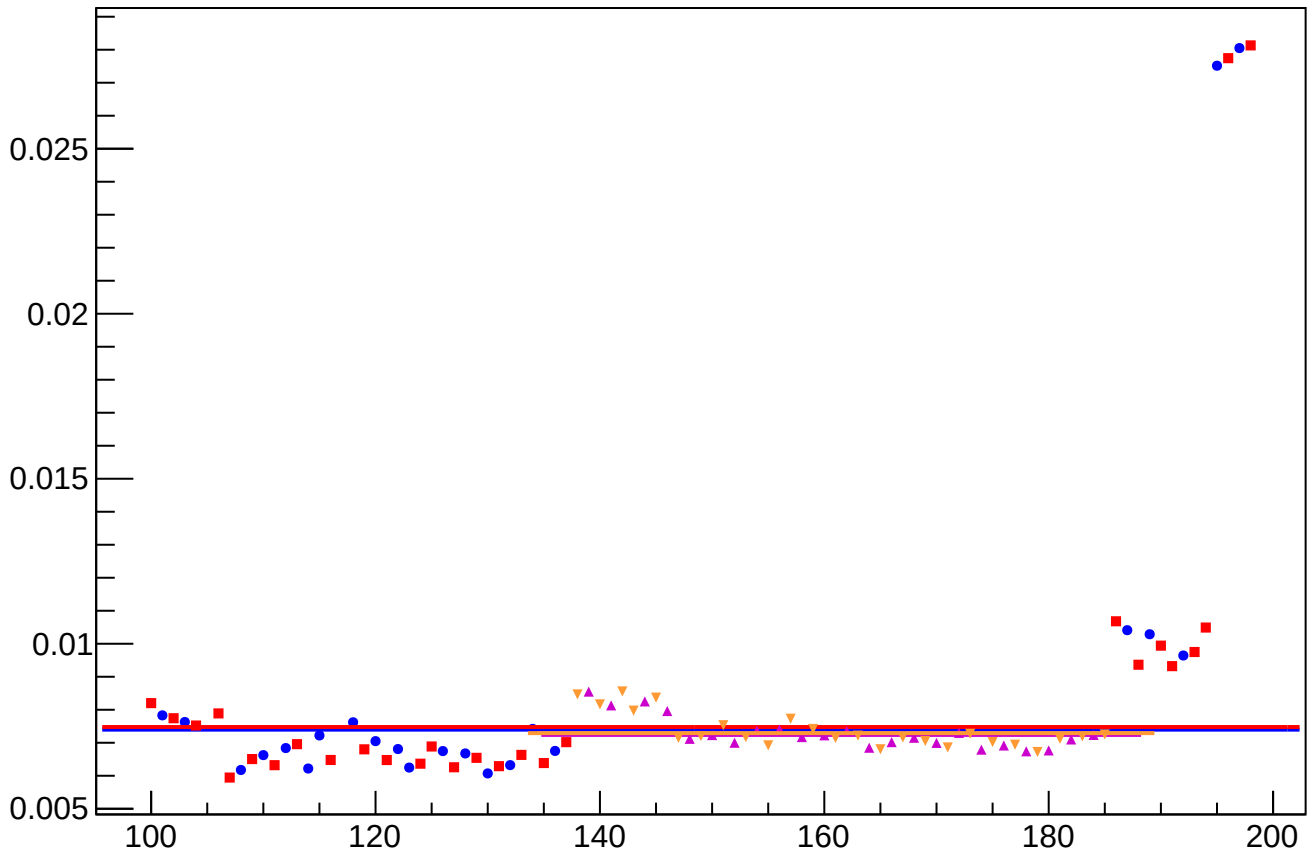
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.312 $\pm$ 0.000 χ^2 /NDF: 143625750103.6/46

All: 2.285 $\pm$ 0.000 χ^2 /NDF: 327676270038.6

- sign 2.260 $\pm$ 0.000 χ^2 /NDF: 183373880730.0/49

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 2029951.9/21

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:140788.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 2387544.2/26

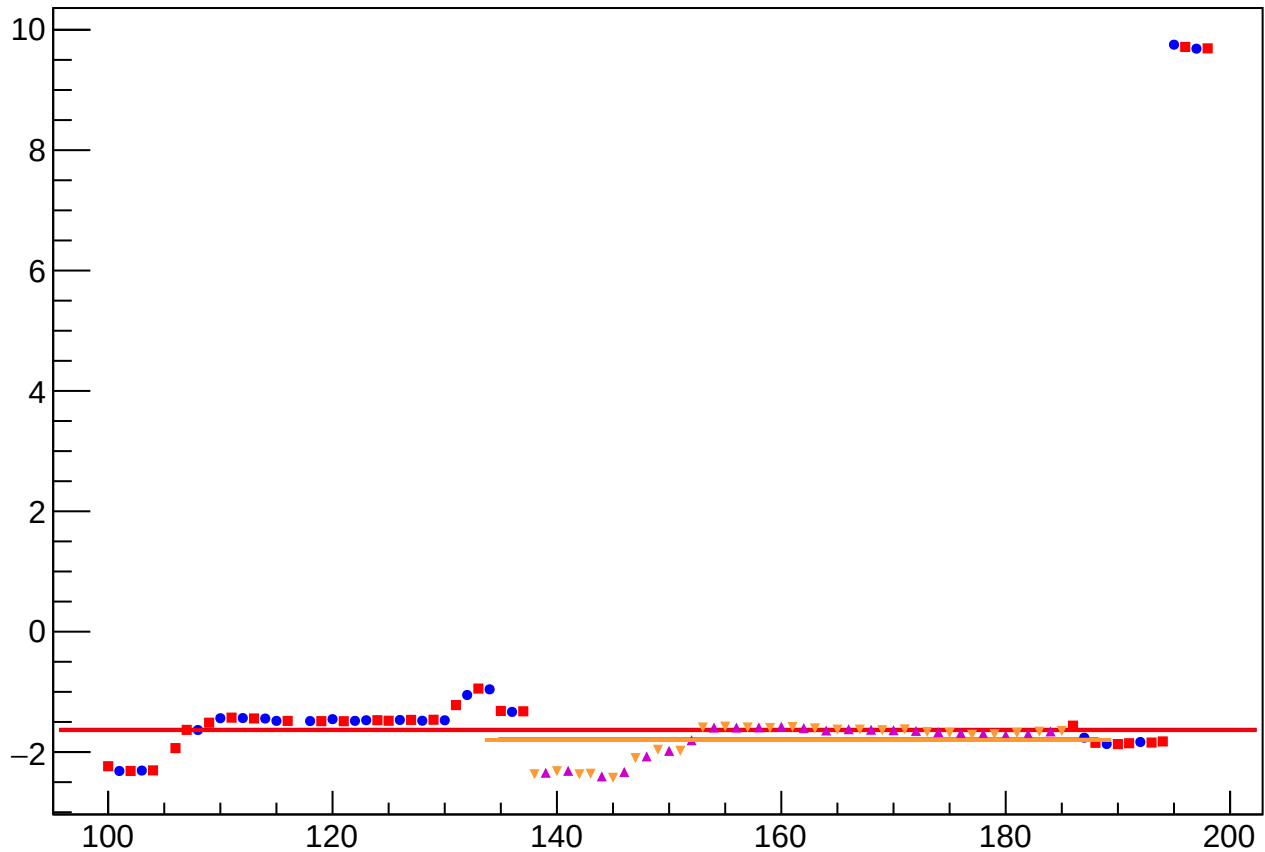
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:125233.2/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2173099.5/46

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 4699229.6/96

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2526129.5/49

yield_bpm0l06Y_mean vs Slug



Right In: -1.630+/-0.000 χ^2/NDF : 200266475207.5/21

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.635+/-0.000 χ^2/NDF : 213293182194.8/26

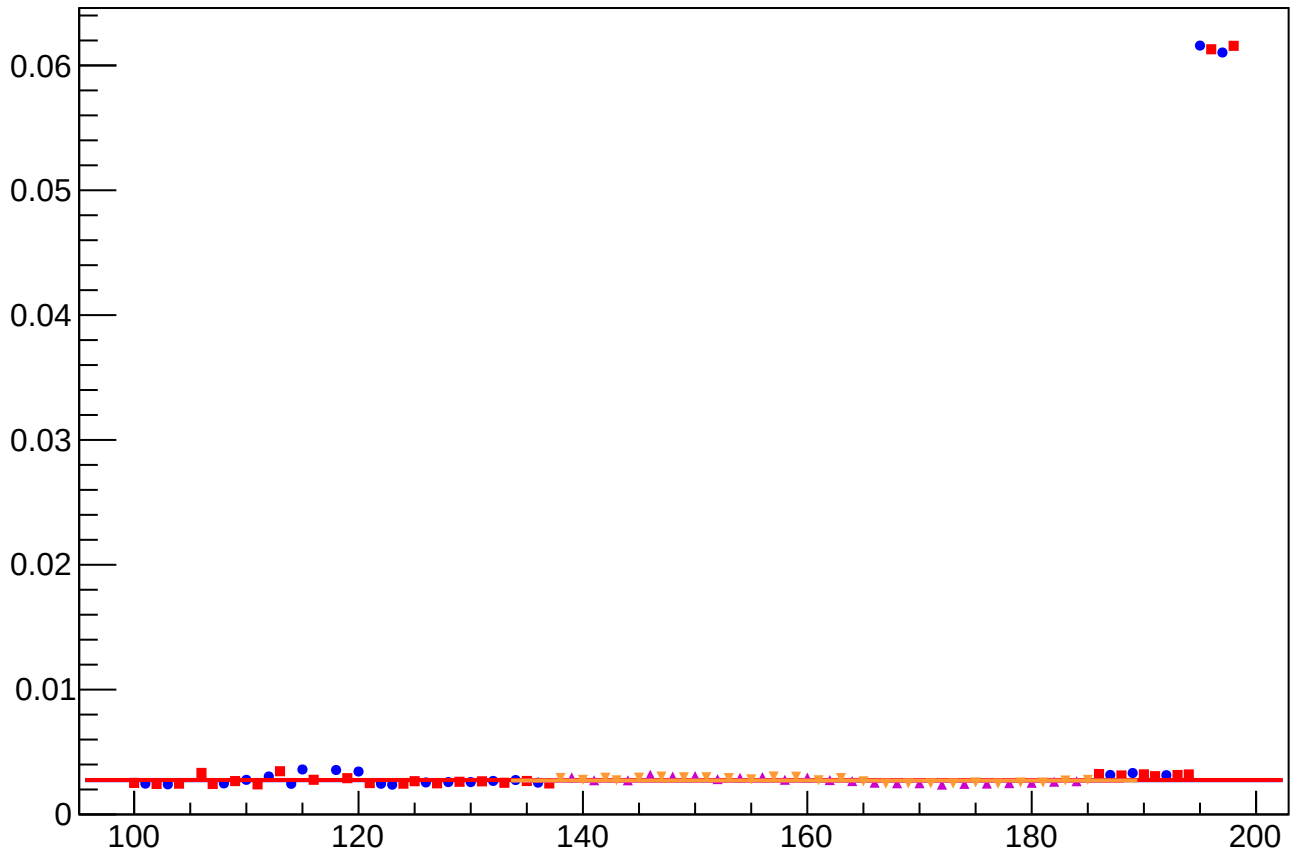
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.747+/-0.000 χ^2/NDF : 406215835755.9/46

All: -1.741+/-0.000 χ^2/NDF : 799193086488.4

- sign -1.734+/-0.000 χ^2/NDF : 392671701984.4/49

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 3063397.6/21

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 3177845.8/26

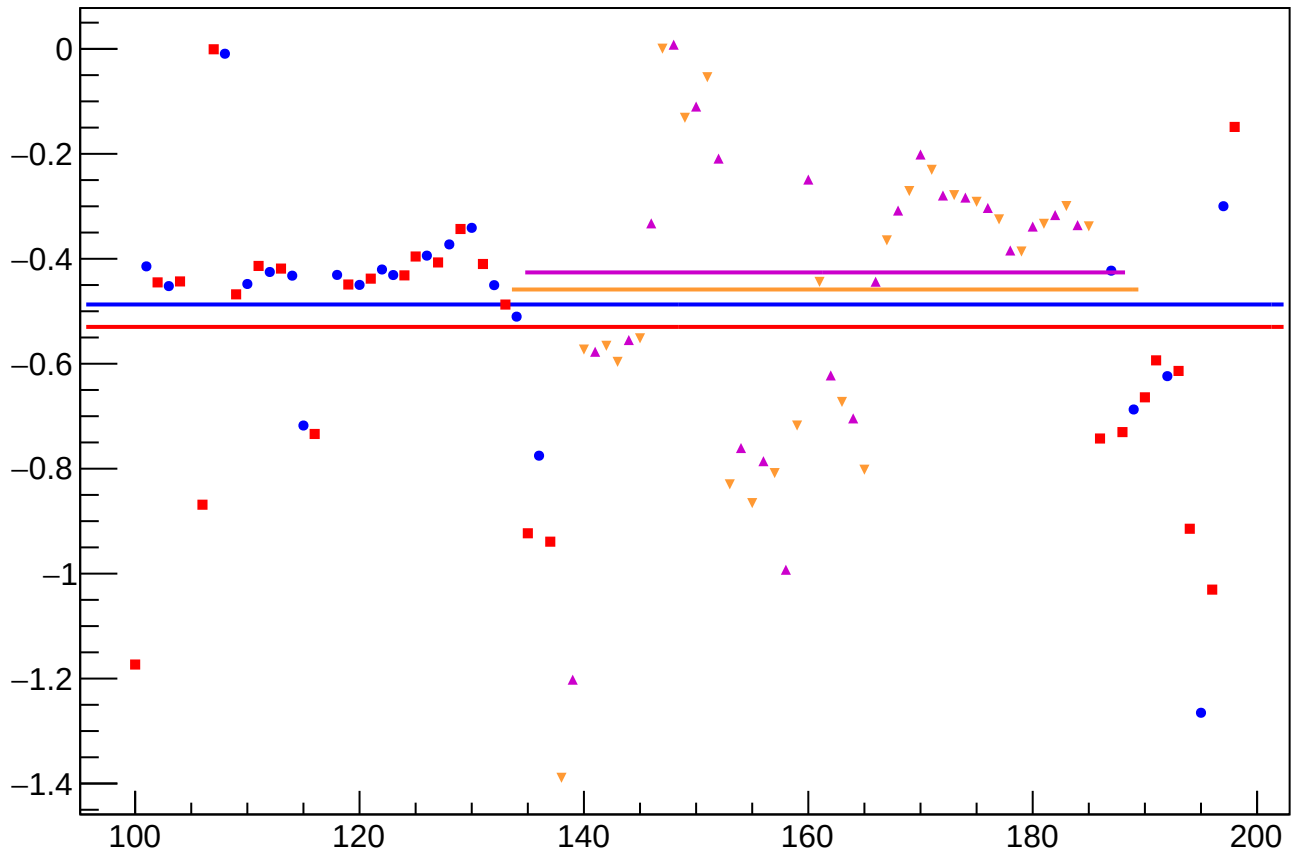
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 3263988.8/46

All: 0.003+/-0.000 χ^2/NDF : 6668618.7/96

- sign 0.003+/-0.000 χ^2/NDF : 3404612.3/49

yield_bpm0l07X_mean vs Slug



Right In: -0.487+/-0.000 χ^2/NDF : 3448362454.2/21

Left Out: -0.459+/-0.000 χ^2/NDF : 9916462814.9/24

Right Out: -0.530+/-0.000 χ^2/NDF : 4551909082.1/26

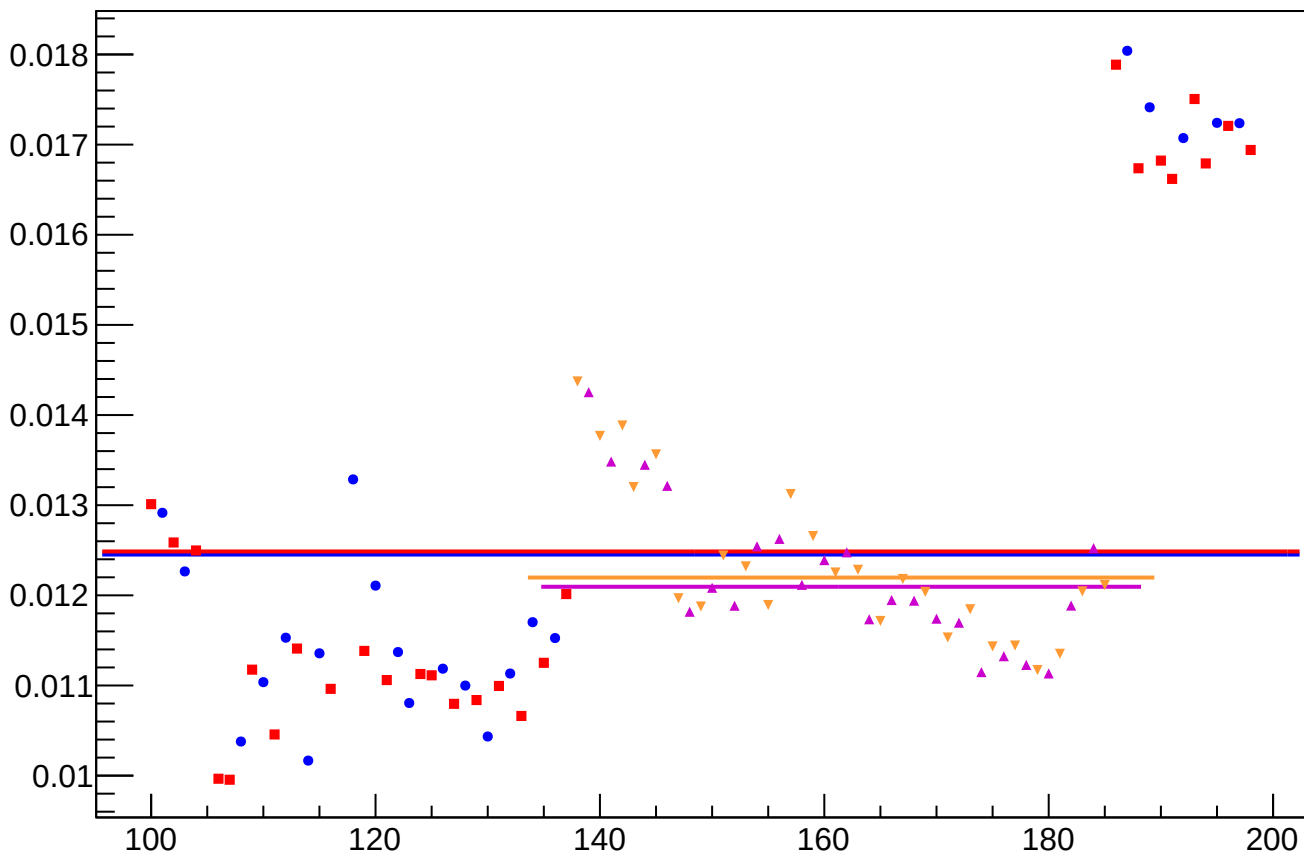
Left In: -0.426+/-0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.468+/-0.000 χ^2/NDF : 13397023462.9/46

All: -0.467+/-0.000 χ^2/NDF : 26853169469.8/46

- sign -0.467+/-0.000 χ^2/NDF : 13455982952.7/49

yield_bpm0l07X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 629986.6/21

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:141850.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 983038.1/26

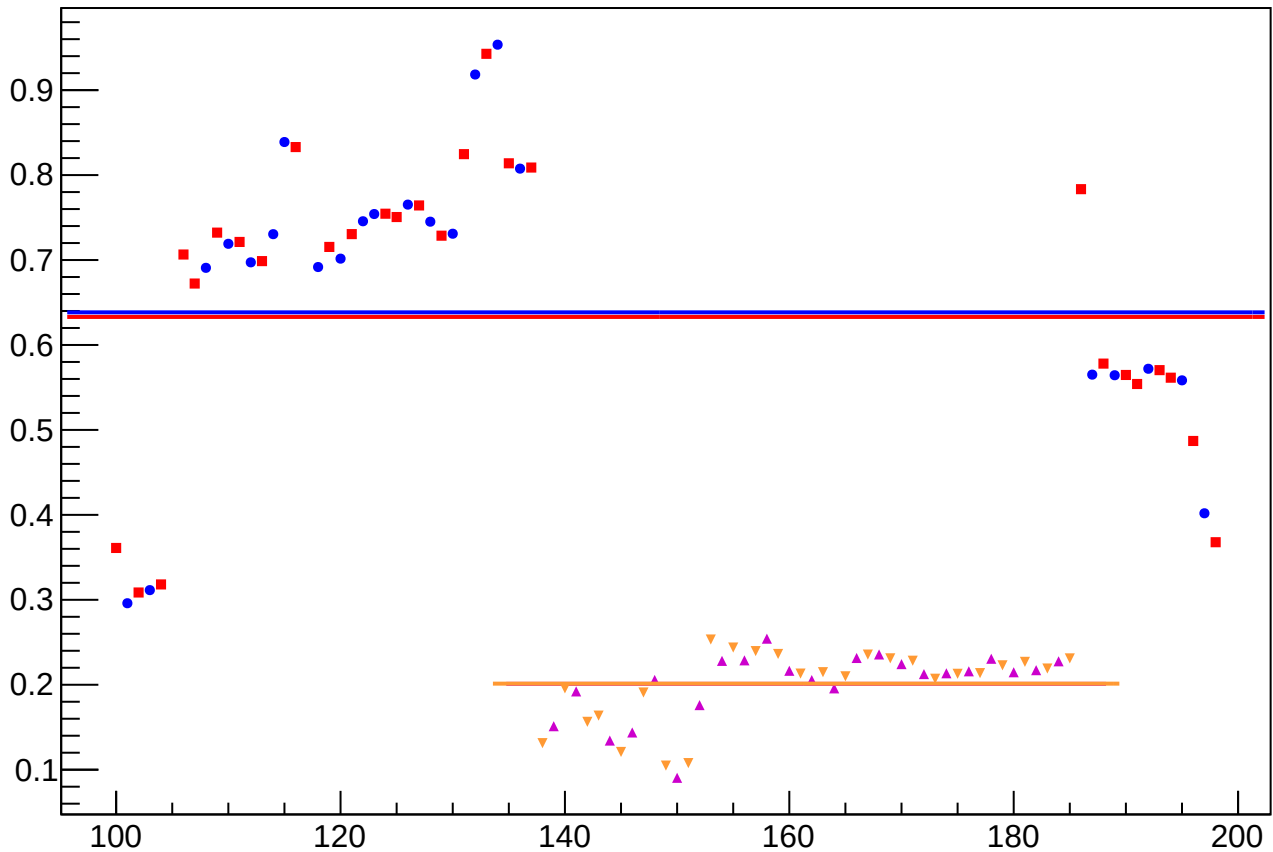
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:127308.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 776980.7/46

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 1901182.5/96

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1123993.2/49

yield_bpm0l07Y_mean vs Slug



Right In: 0.638 $\pm$ 0.000 χ^2 /NDF: 46079215134.9/21

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.633 $\pm$ 0.000 χ^2 /NDF: 49805597433.8/26

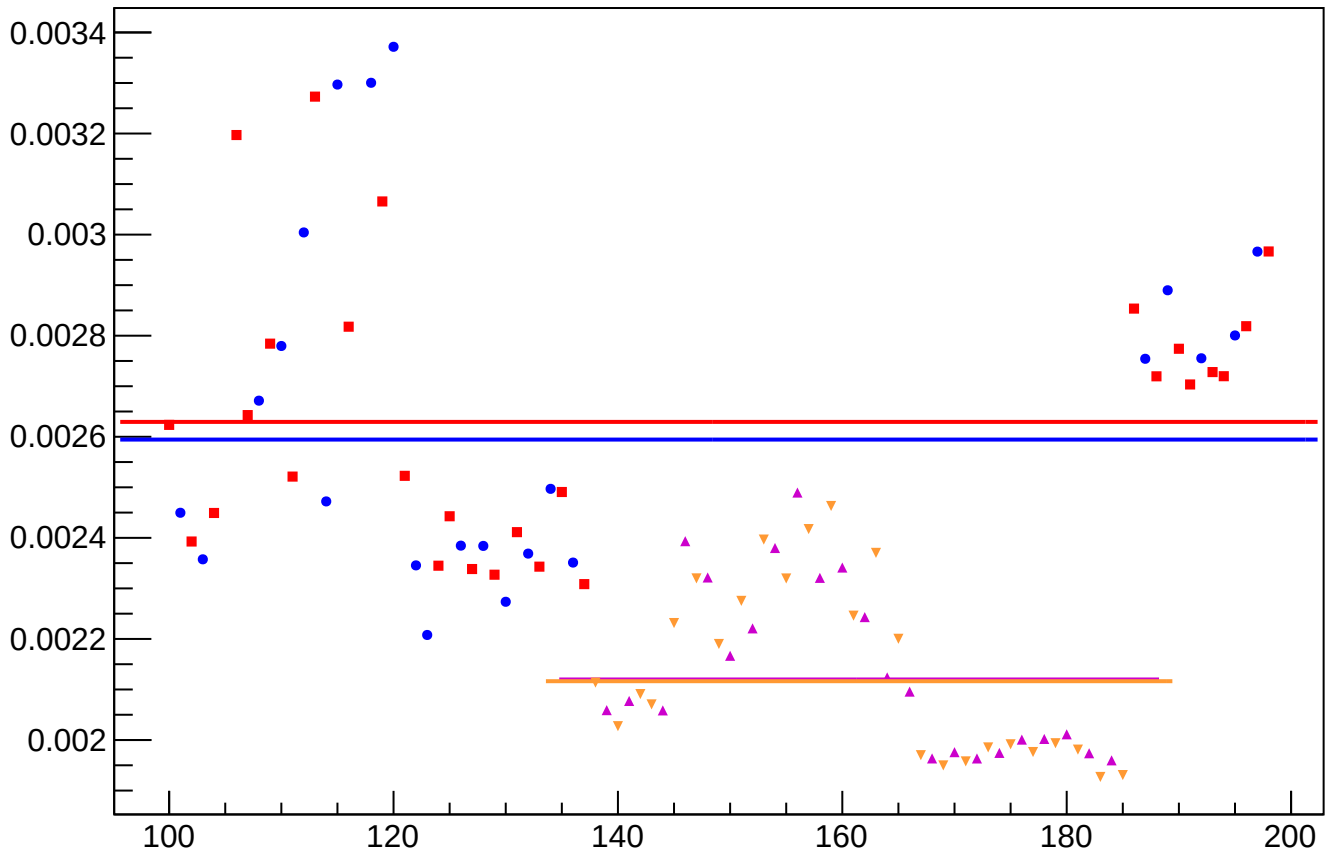
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.313 $\pm$ 0.000 χ^2 /NDF: 250109417869.6/46

All: 0.323 $\pm$ 0.000 χ^2 /NDF: 523854206736.5

- sign 0.333 $\pm$ 0.000 χ^2 /NDF: 272614364902.9/49

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 237351.2/21

Left Out: 0.002+/-0.000 χ^2/NDF :224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 190557.4/26

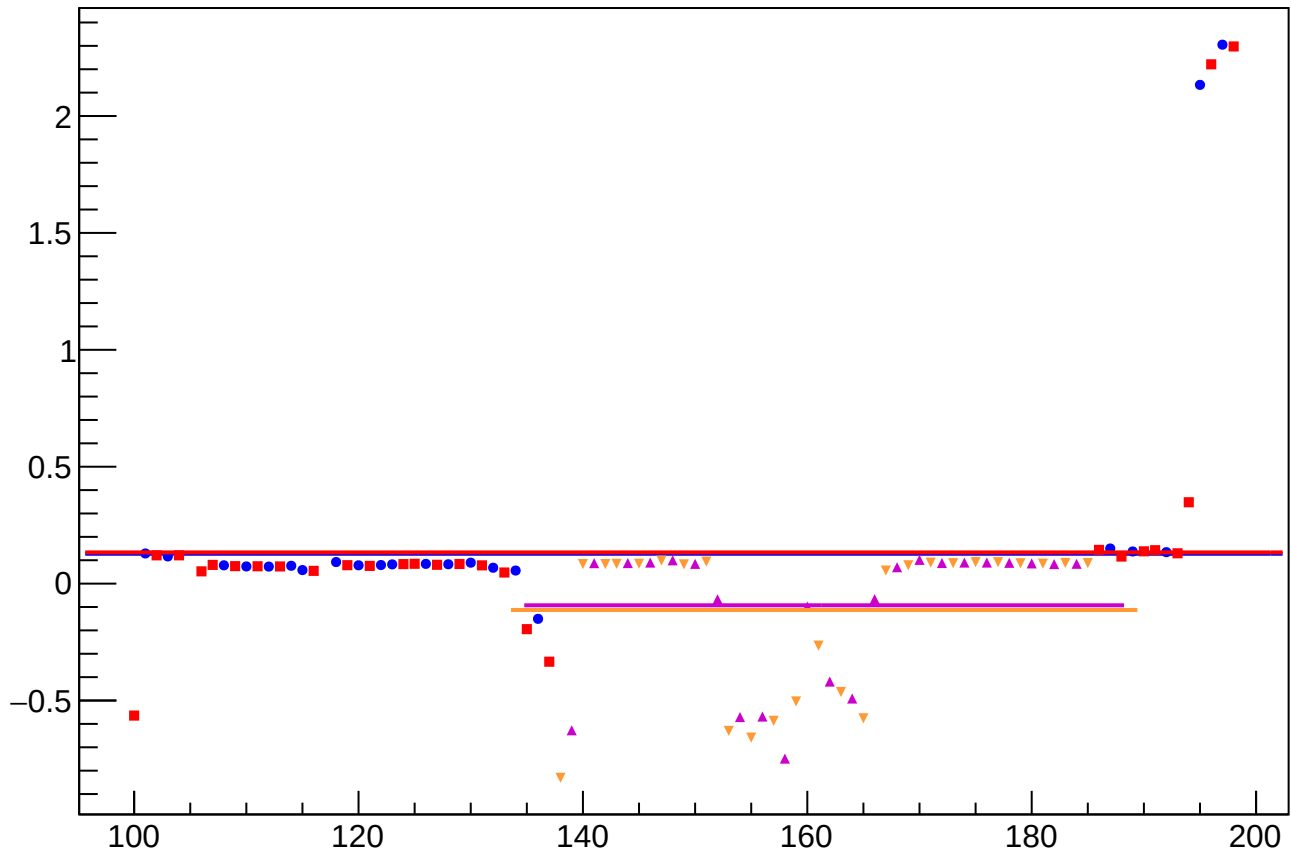
Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 933037.2/46

All: 0.002+/-0.000 χ^2/NDF : 1924944.2/96

- sign 0.002+/-0.000 χ^2/NDF : 984308.5/49

yield_bpm0l08X_mean vs Slug



Right In: 0.128+/-0.000 χ^2/NDF : 10891127330.2/21

Left Out: -0.113+/-0.000 χ^2/NDF : 13667354077.1/24

Right Out: 0.134+/-0.000 χ^2/NDF : 14564284448.9/26

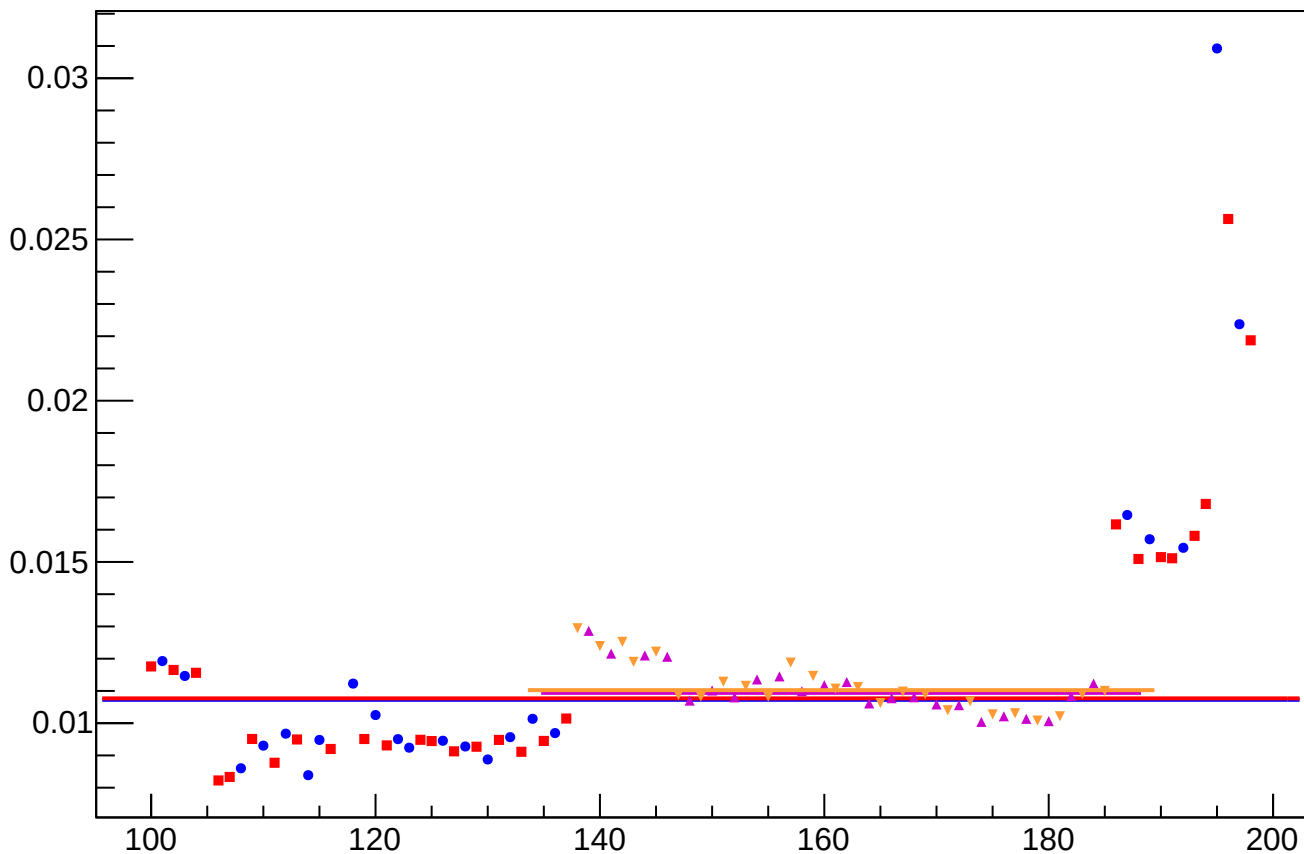
Left In: -0.093+/-0.000 χ^2/NDF : 11051944893.7/22

+ sign -0.030+/-0.000 χ^2/NDF : 27431881865.4/46

All: -0.016+/-0.000 χ^2/NDF : 55997951122.2/49

- sign -0.002+/-0.000 χ^2/NDF : 28473344850.3/49

yield_bpm0l08X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 1627115.1/21

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:141501.7/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 1984063.5/26

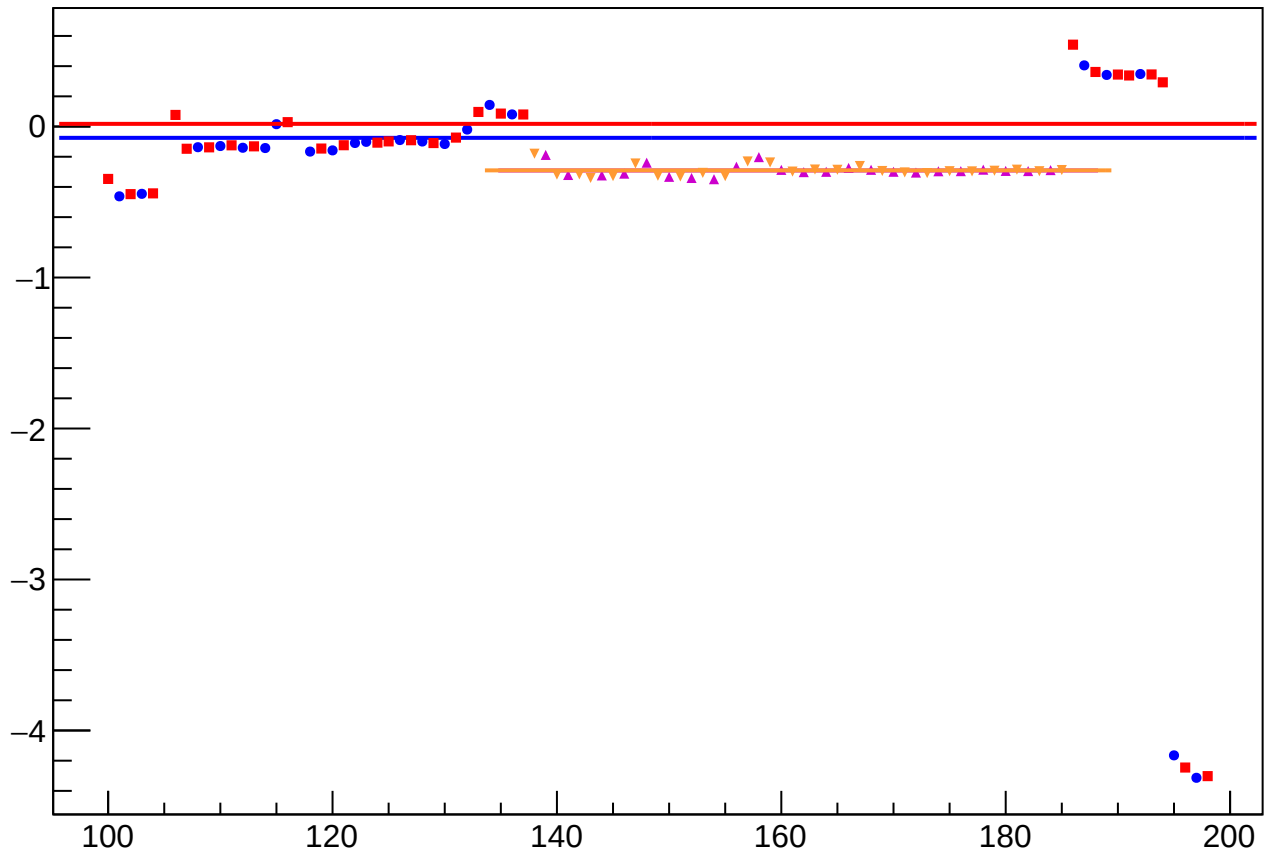
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:128914.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1777509.8/46

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3894335.9/96

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2116265.9/49

yield_bpm0l08Y_mean vs Slug



Right In: -0.075+/-0.000 χ^2/NDF : 90518623233.2/21

Left Out: -0.290+/-0.000 χ^2/NDF : 2877519093.0/24

Right Out: 0.018+/-0.000 χ^2/NDF : 123260312406.1/26

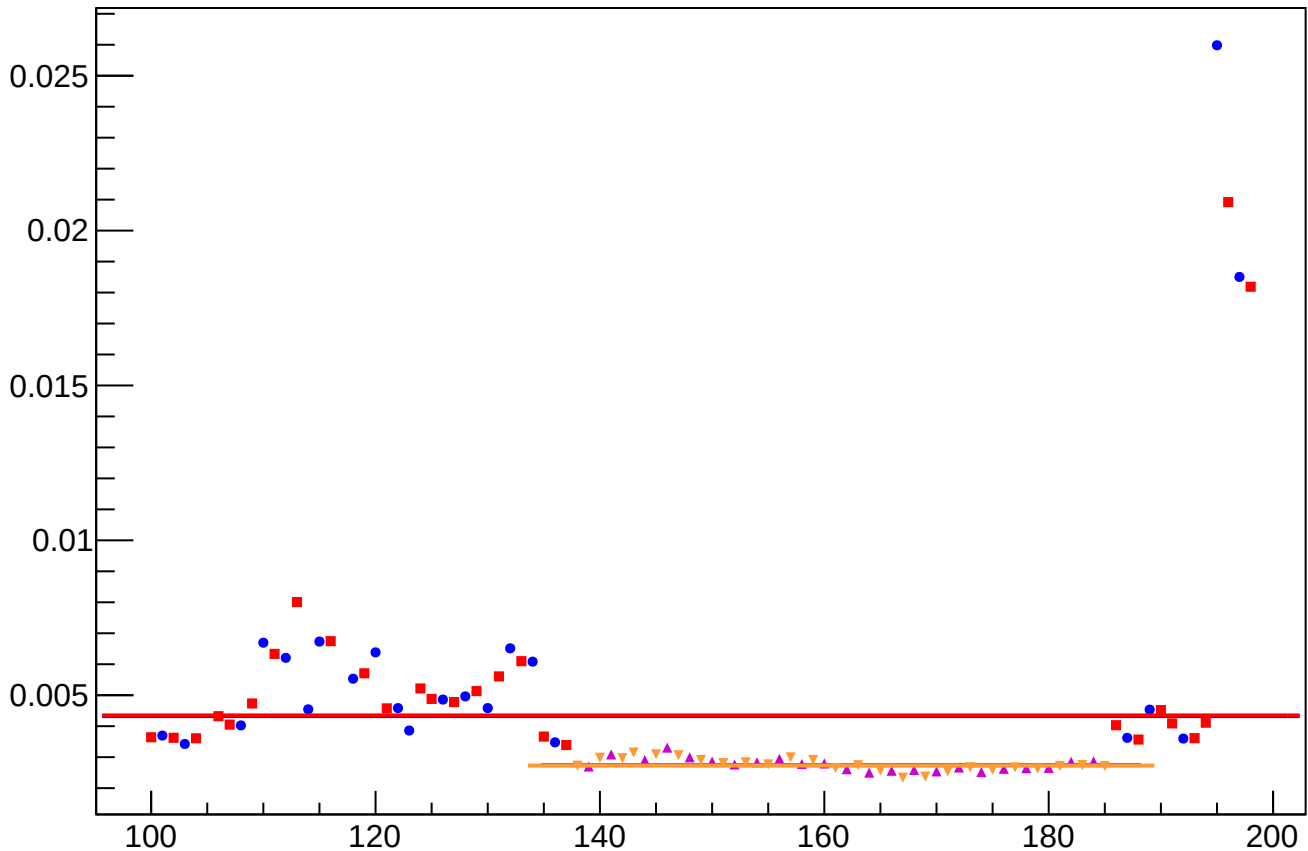
Left In: -0.291+/-0.000 χ^2/NDF : 3125402243.3/22

+ sign -0.258+/-0.000 χ^2/NDF : 109750993801.5/46

All: -0.245+/-0.000 χ^2/NDF : 277258043769.4

- sign -0.232+/-0.000 χ^2/NDF : 166563622345.8/49

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2682715.6/21

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2692896.8/26

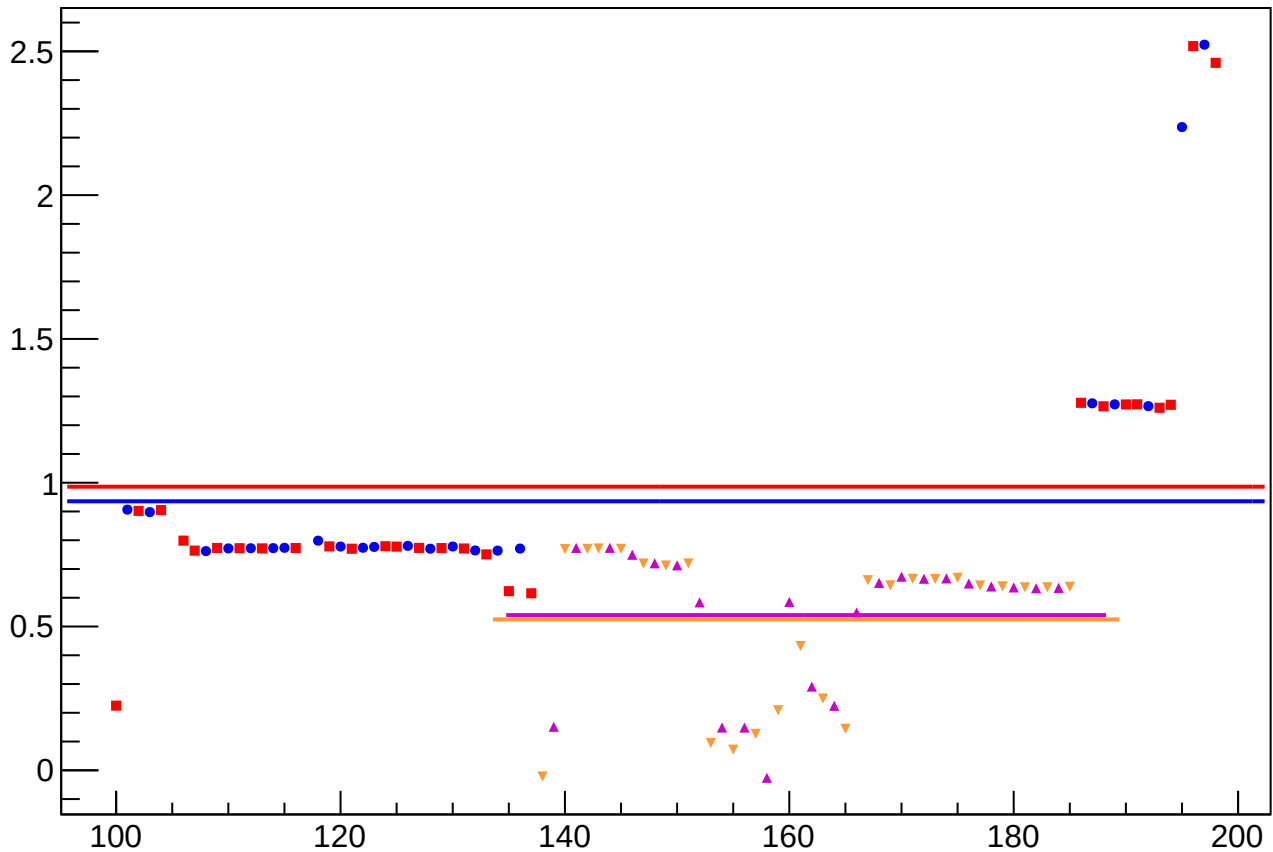
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4689451.2/46

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 9721563.0/96

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5013327.5/49

yield_bpm0l09X_mean vs Slug



Right In: 0.935+/-0.000 χ^2/NDF : 10674819401.3/21

Left Out: 0.525+/-0.000 χ^2/NDF :9623503169.9/24

Right Out: 0.986+/-0.000 χ^2/NDF : 18459987699.0/26

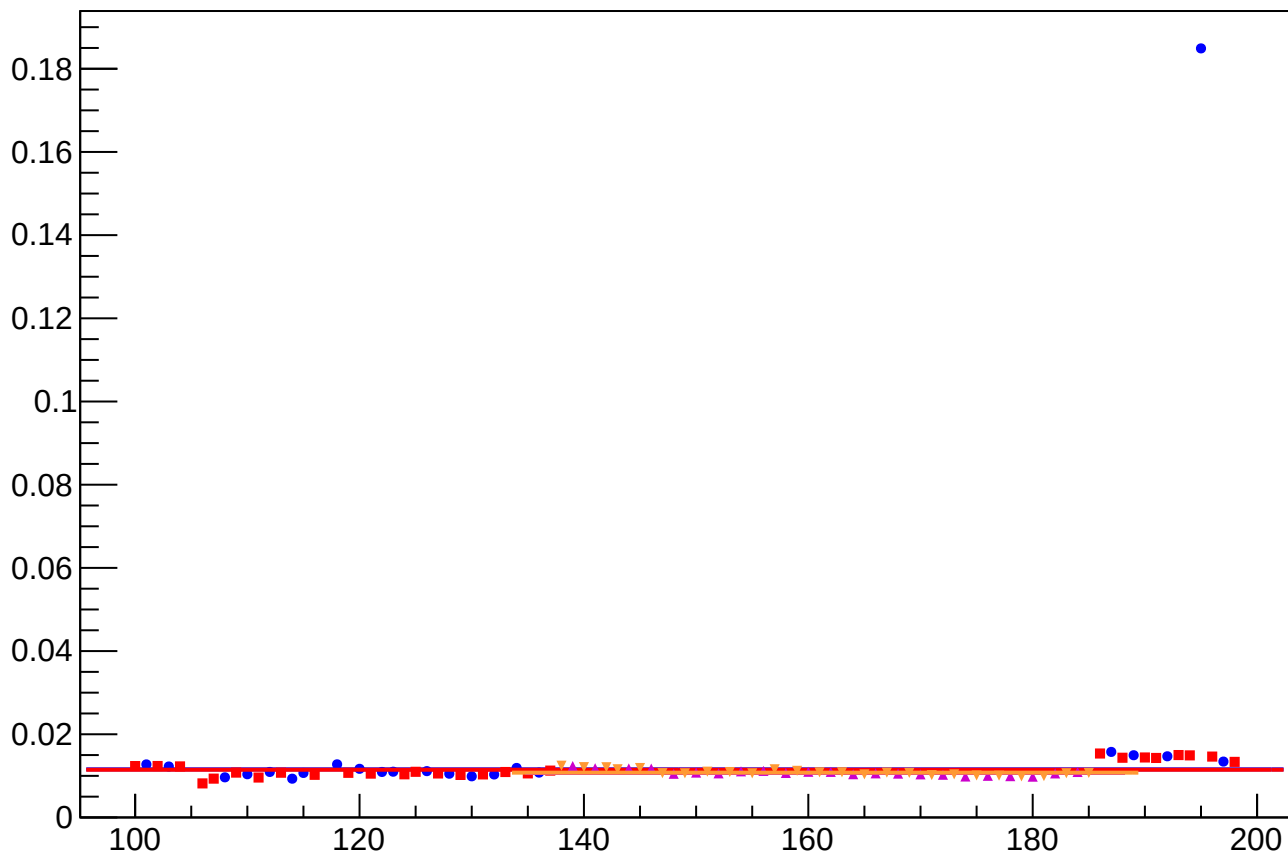
Left In: 0.540+/-0.000 χ^2/NDF :7860539135.5/22

+ sign 0.646+/-0.000 χ^2/NDF : 27892625574.9/46

All: 0.675+/-0.000 χ^2/NDF : 65142434107.8/9

- sign 0.702+/-0.000 χ^2/NDF : 36900094540.2/49

yield_bpm0l09X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1788236.2/21

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 616839.0/26

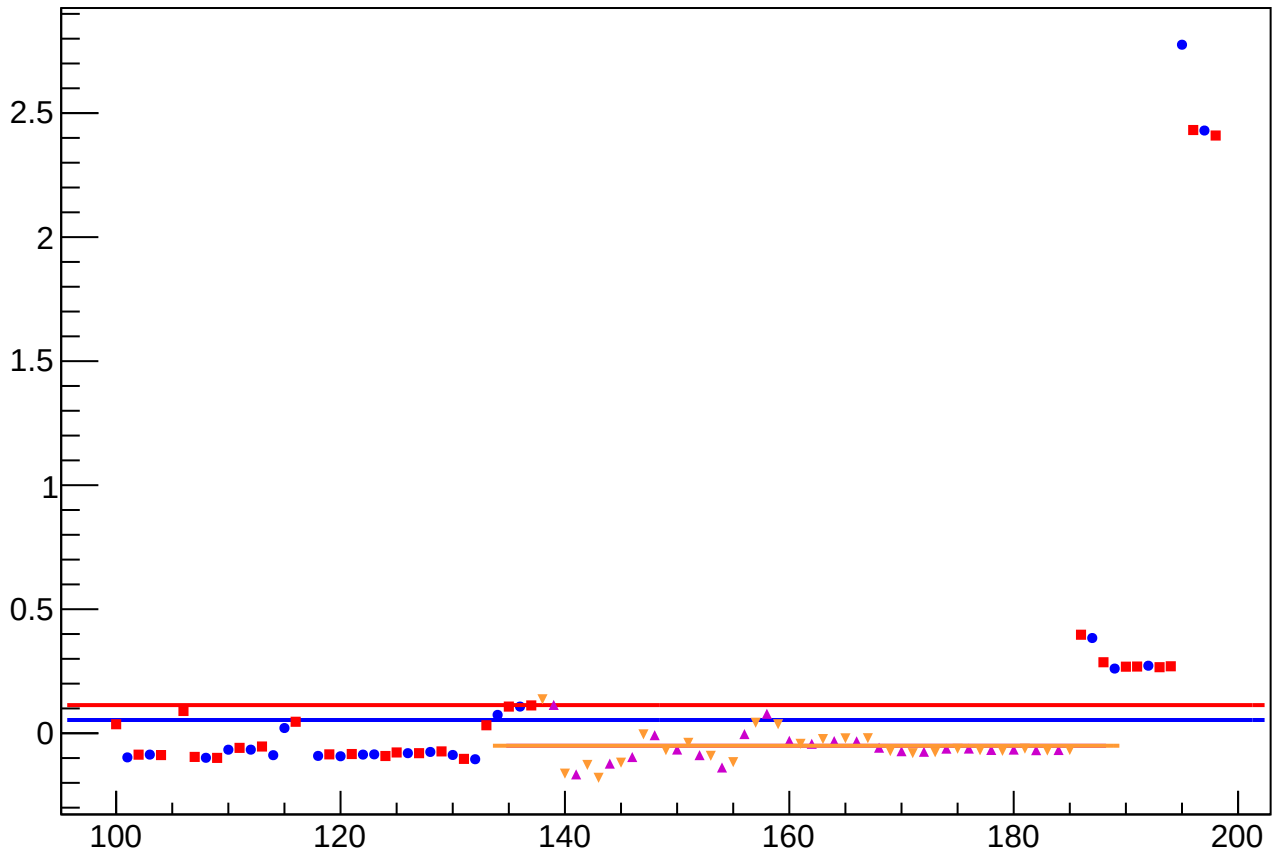
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1976872.7/46

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 2777228.1/96

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 800154.0/49

yield_bpm0l09Y_mean vs Slug



Right In: 0.053 ± 0.000 χ^2/NDF : 29634672054.4/21

Left Out: -0.050 ± 0.000 χ^2/NDF : 7271496478.6/24

Right Out: 0.113 ± 0.000 χ^2/NDF : 48557624108.5/26

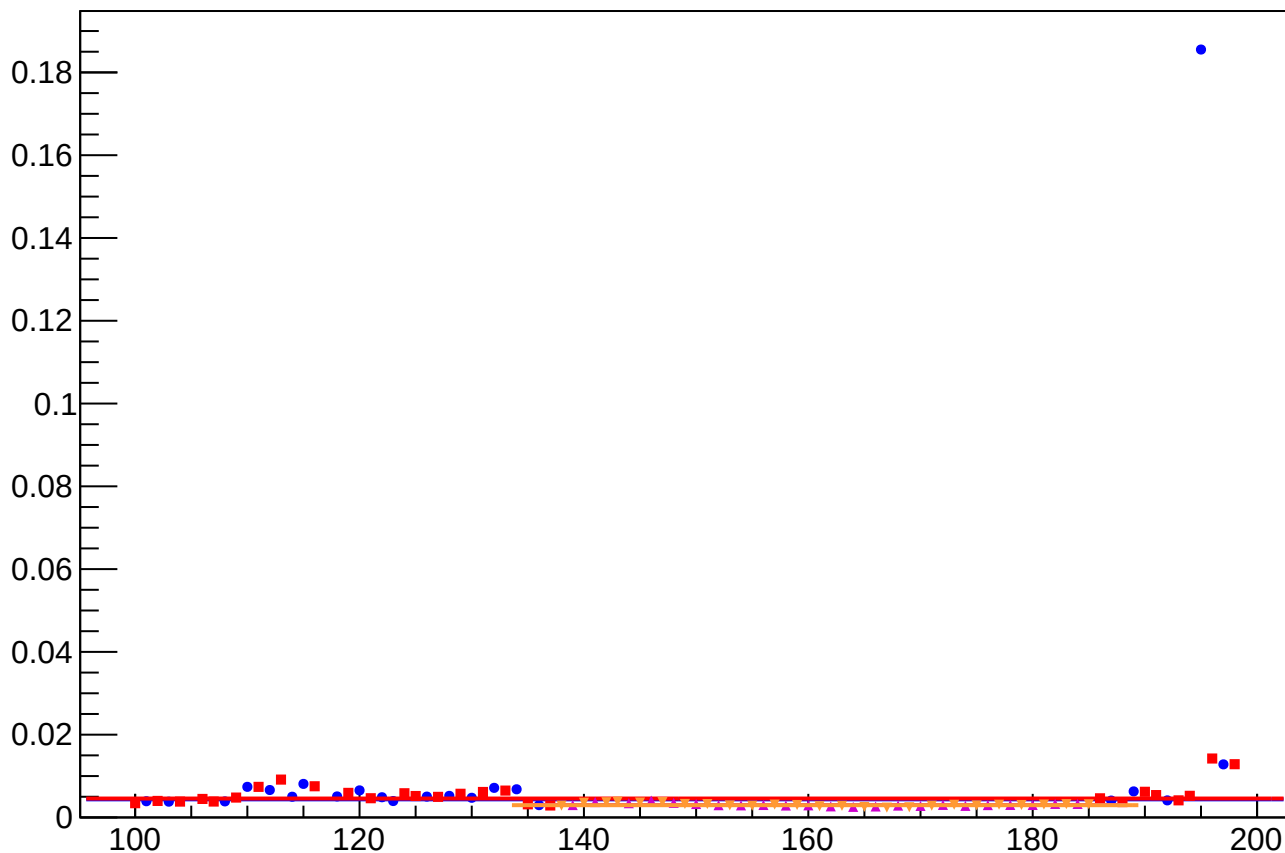
Left In: -0.051 ± 0.000 χ^2/NDF : 6128769990.8/22

+ sign -0.033 ± 0.000 χ^2/NDF : 40309632943.4/46

All: -0.026 ± 0.000 χ^2/NDF : 104898757054.0

- sign -0.018 ± 0.000 χ^2/NDF : 64306633332.6/49

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3118321.4/21

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:499039.1/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 2164346.2/26

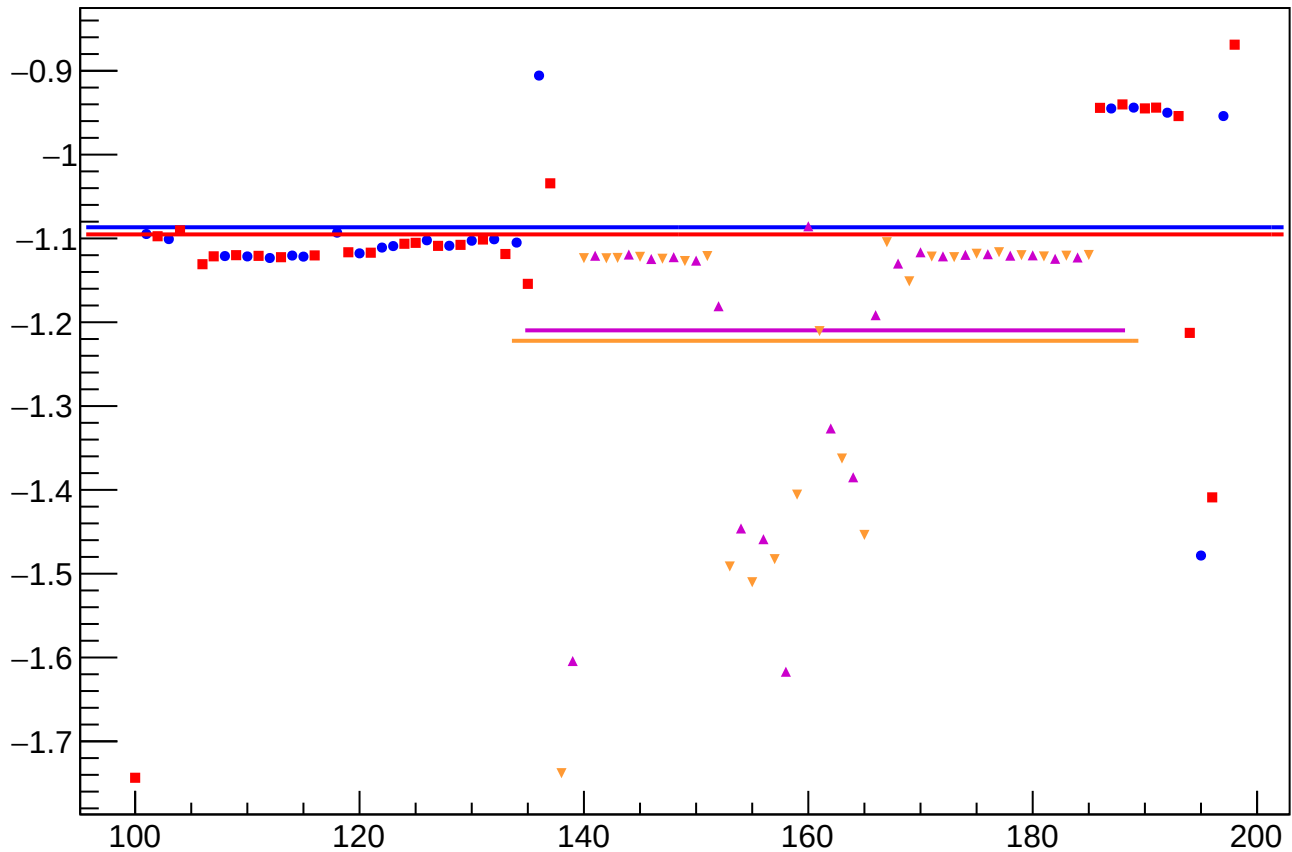
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:329068.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4870710.5/46

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 9147946.2/96

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4241980.4/49

yield_bpm0l10X_mean vs Slug



Right In: -1.087 ± 0.000 $\chi^2/\text{NDF}: 1208293123.5/21$

Left Out: -1.222 ± 0.000 $\chi^2/\text{NDF}: 5279548861.3/24$

Right Out: -1.095 ± 0.000 $\chi^2/\text{NDF}: 1394087870.6/26$

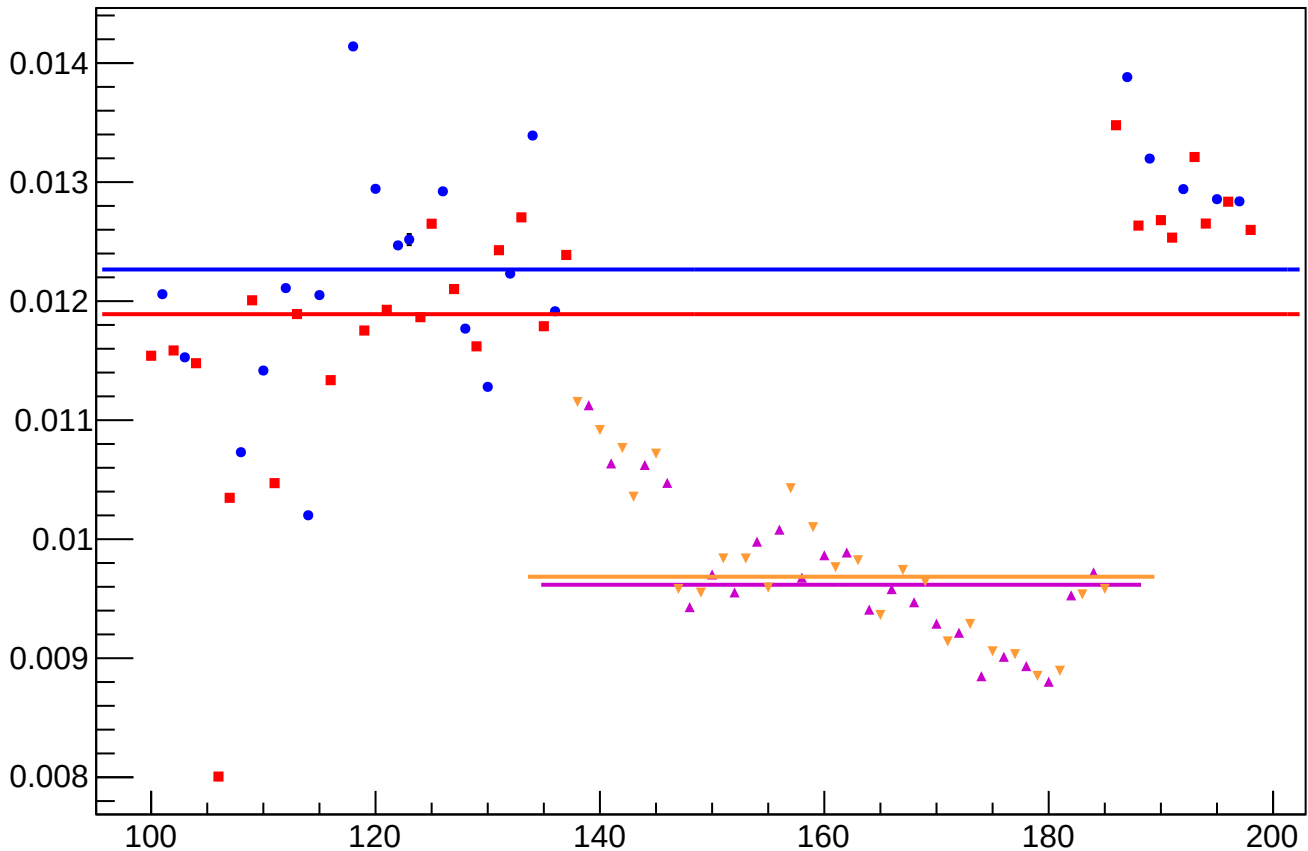
Left In: -1.210 ± 0.000 $\chi^2/\text{NDF}: 4502367902.8/22$

+ sign -1.188 ± 0.000 $\chi^2/\text{NDF}: 7351625448.5/46$

All: -1.181 ± 0.000 $\chi^2/\text{NDF}: 14023182847.7$

- sign -1.174 ± 0.000 $\chi^2/\text{NDF}: 6643414105.5/49$

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 85525.4/21

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:134863.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 234973.8/26

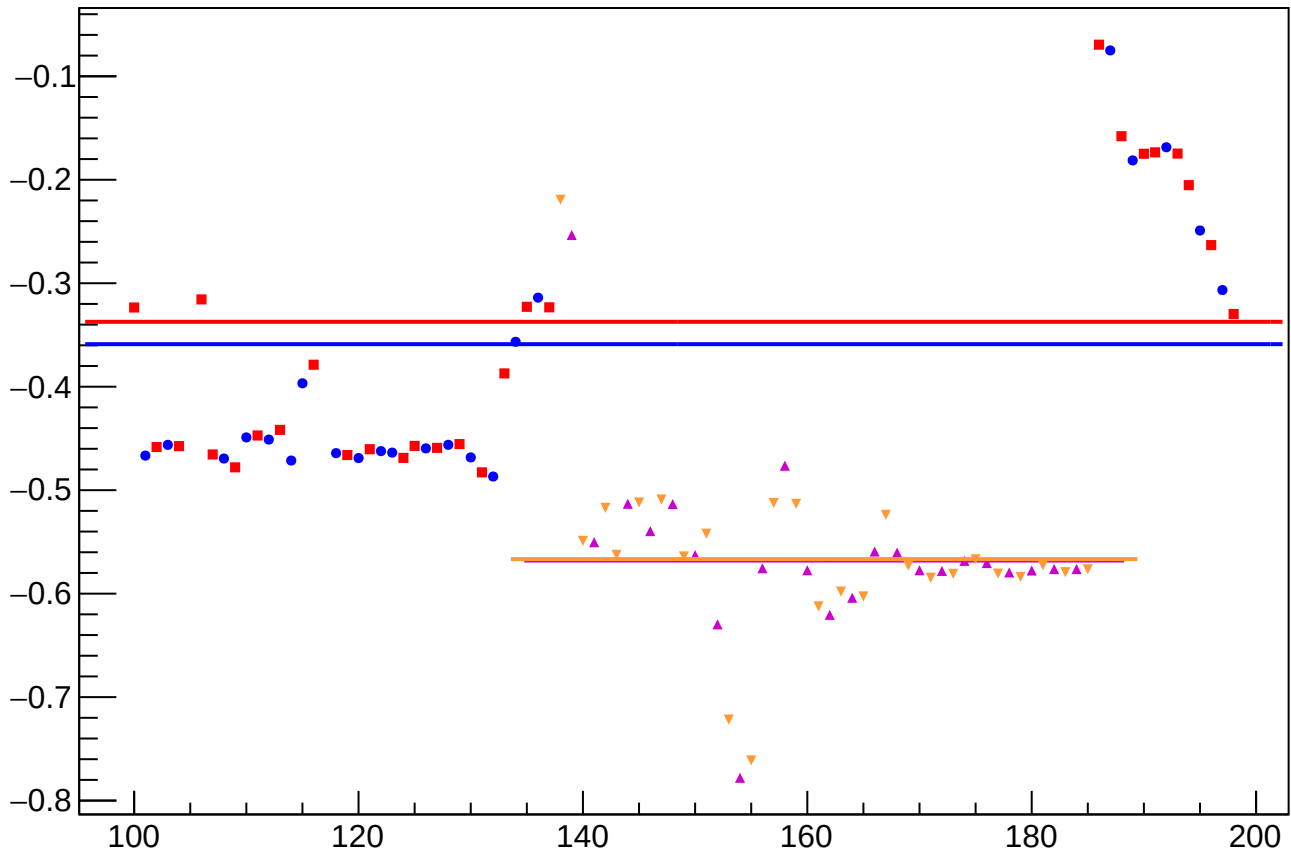
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 847801.7/46

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 1791683.4/96

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 943873.7/49

yield_bpm0l10Y_mean vs Slug



Right In: -0.359+/-0.000 χ^2/NDF : 7501788579.4/21

Left Out: -0.567+/-0.000 χ^2/NDF : 13368458519.3/24

Right Out: -0.337+/-0.000 χ^2/NDF : 10321135563.8/26

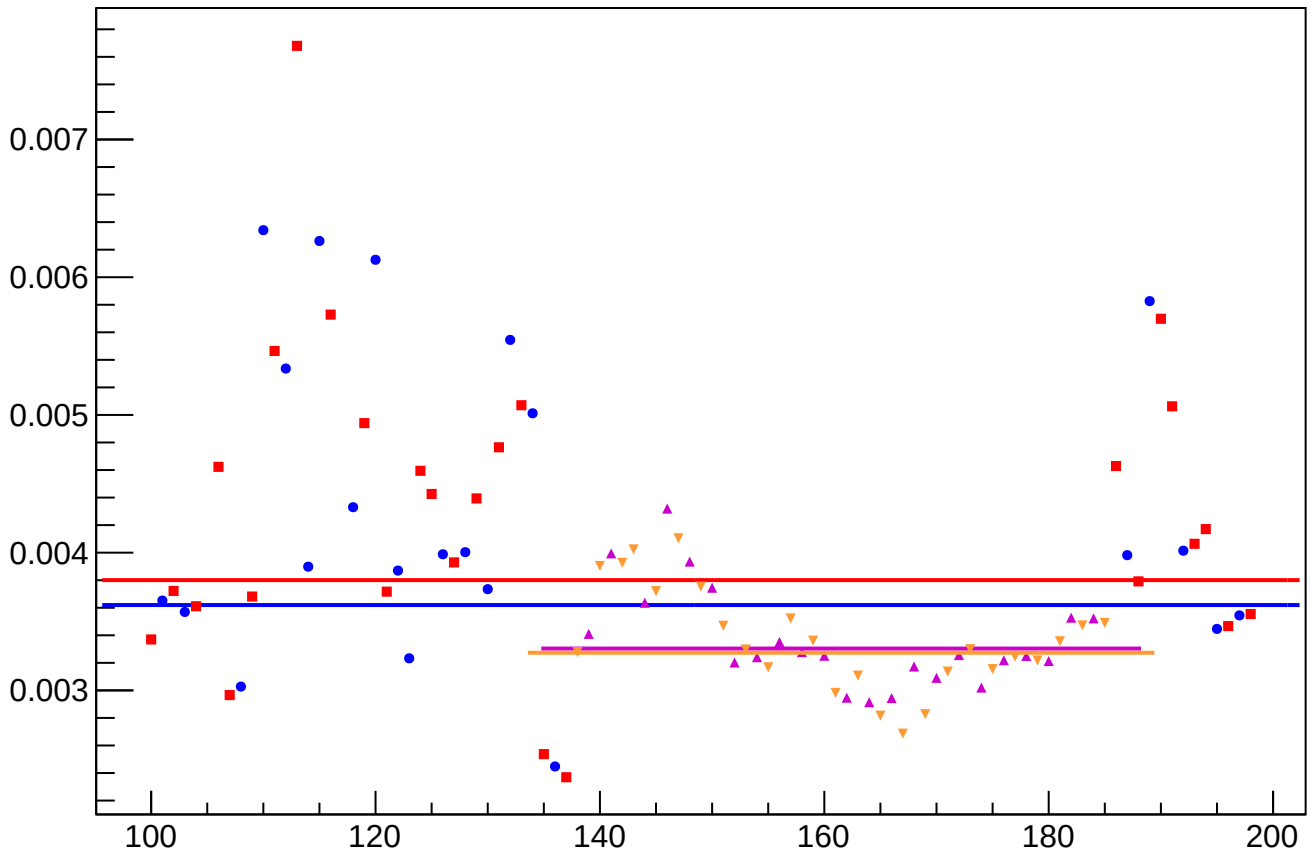
Left In: -0.568+/-0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.508+/-0.000 χ^2/NDF : 40440474634.7/46

All: -0.500+/-0.000 χ^2/NDF : 87489059737.4/47

- sign -0.492+/-0.000 χ^2/NDF : 46766992635.4/49

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 ± 0.000 $\chi^2/\text{NDF}: 991805.7/21$

Left Out: 0.003 ± 0.000 $\chi^2/\text{NDF}: 394865.4/24$

Right Out: 0.004 ± 0.000 $\chi^2/\text{NDF}: 1054418.2/26$

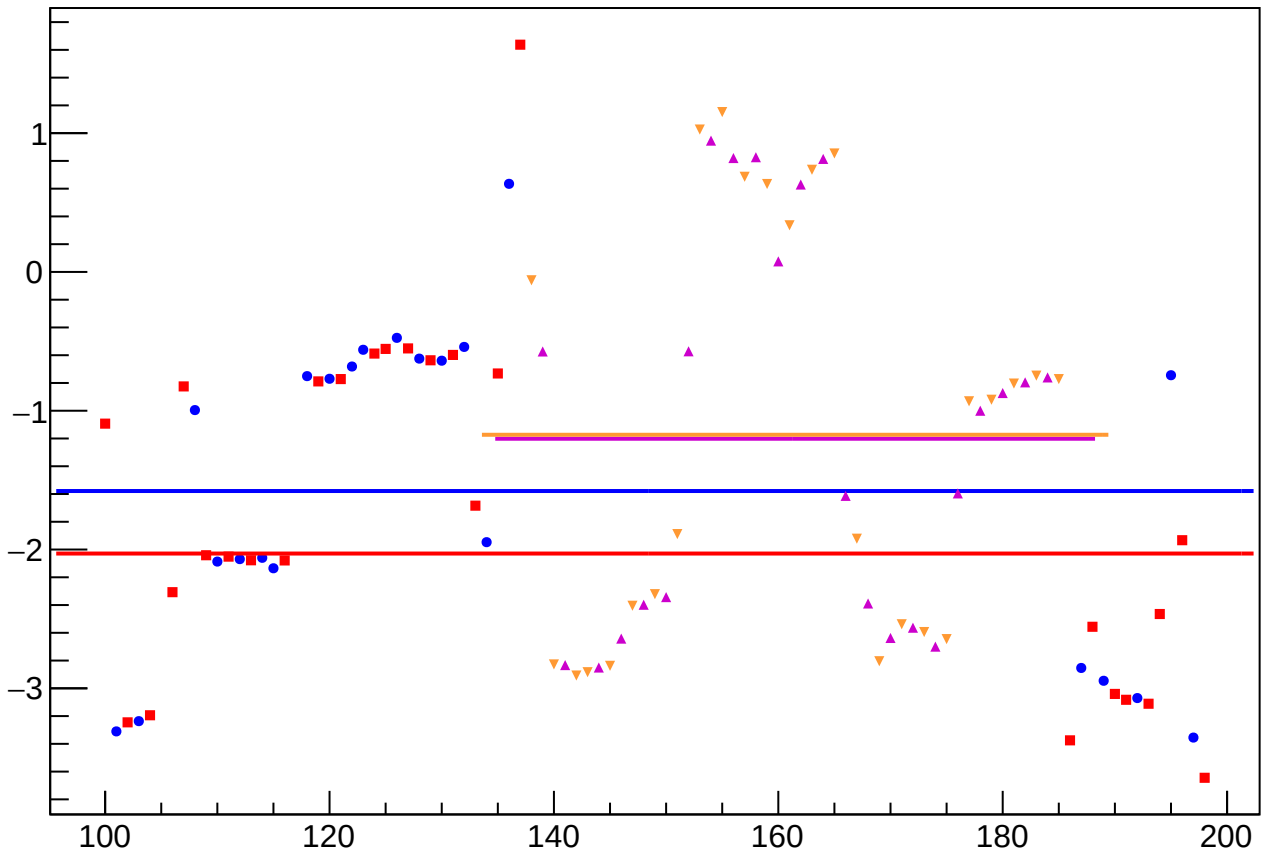
Left In: 0.003 ± 0.000 $\chi^2/\text{NDF}: 286064.1/22$

+ sign 0.003 ± 0.000 $\chi^2/\text{NDF}: 1495407.1/46$

All: 0.003 ± 0.000 $\chi^2/\text{NDF}: 3097503.3/96$

- sign 0.003 ± 0.000 $\chi^2/\text{NDF}: 1581508.6/49$

yield_bpm0r03X_mean vs Slug



Right In: -1.578+/-0.000 χ^2/NDF : 3184393241.0/21

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -2.029+/-0.000 χ^2/NDF : 2838020600.7/26

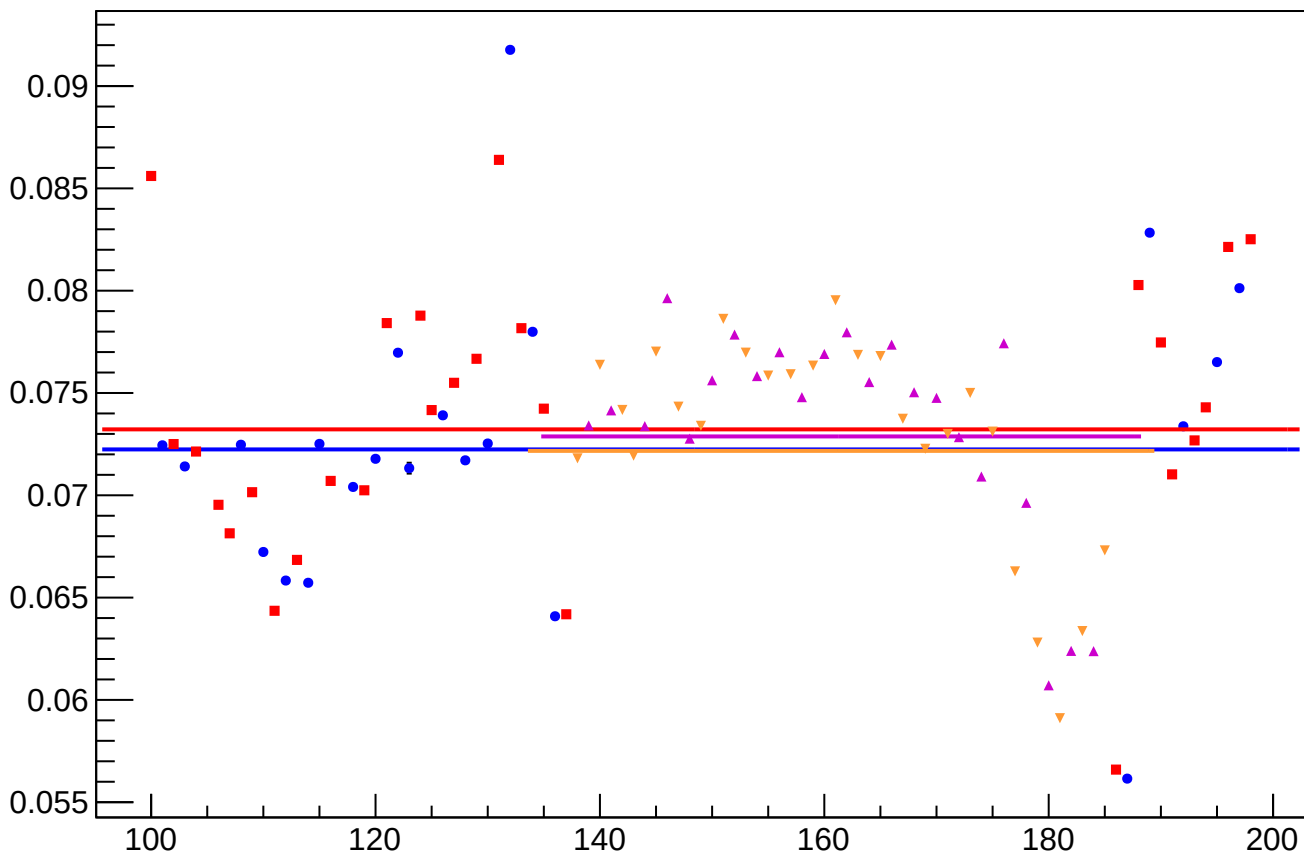
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.314+/-0.000 χ^2/NDF : 10263984787.6/46

All: -1.428+/-0.000 χ^2/NDF : 19741583071.0/49

- sign -1.541+/-0.000 χ^2/NDF : 9339609340.0/49

yield_bpm0r03X_rms vs Slug



Right In: 0.072 $\pm$ 0.000 χ^2 /NDF: 139010.6/21

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:222263.8/24

Right Out: 0.073 $\pm$ 0.000 χ^2 /NDF: 191171.8/26

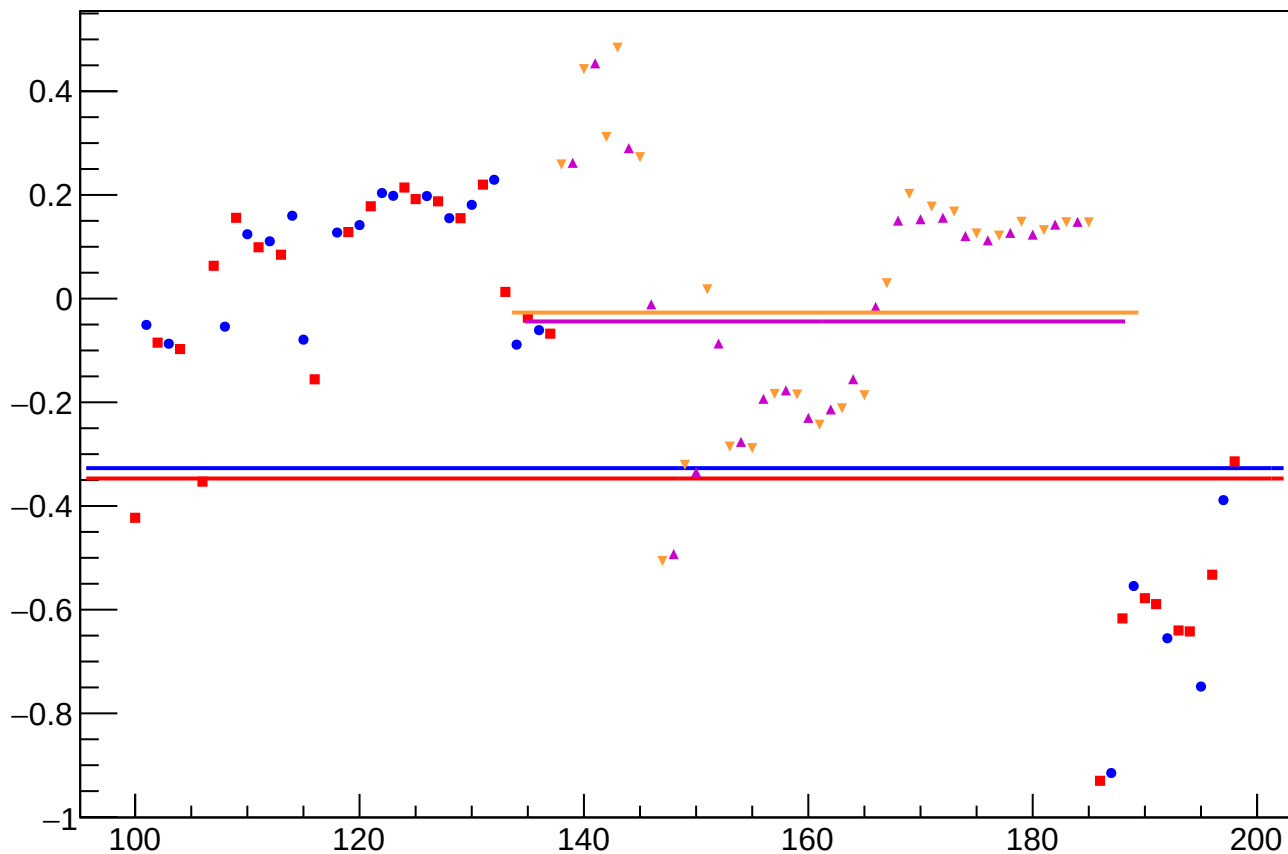
Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:183503.0/22

+ sign 0.072 $\pm$ 0.000 χ^2 /NDF: 361286.6/46

All: 0.073 $\pm$ 0.000 χ^2 /NDF: 739896.3/96

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 374986.2/49

yield_bpm0r03Y_mean vs Slug



Right In: -0.327+/-0.000 χ^2/NDF : 11991644534.5/21

Left Out: -0.027+/-0.000 χ^2/NDF : 20376761328.6/24

Right Out: -0.347+/-0.000 χ^2/NDF : 10917282278.8/26

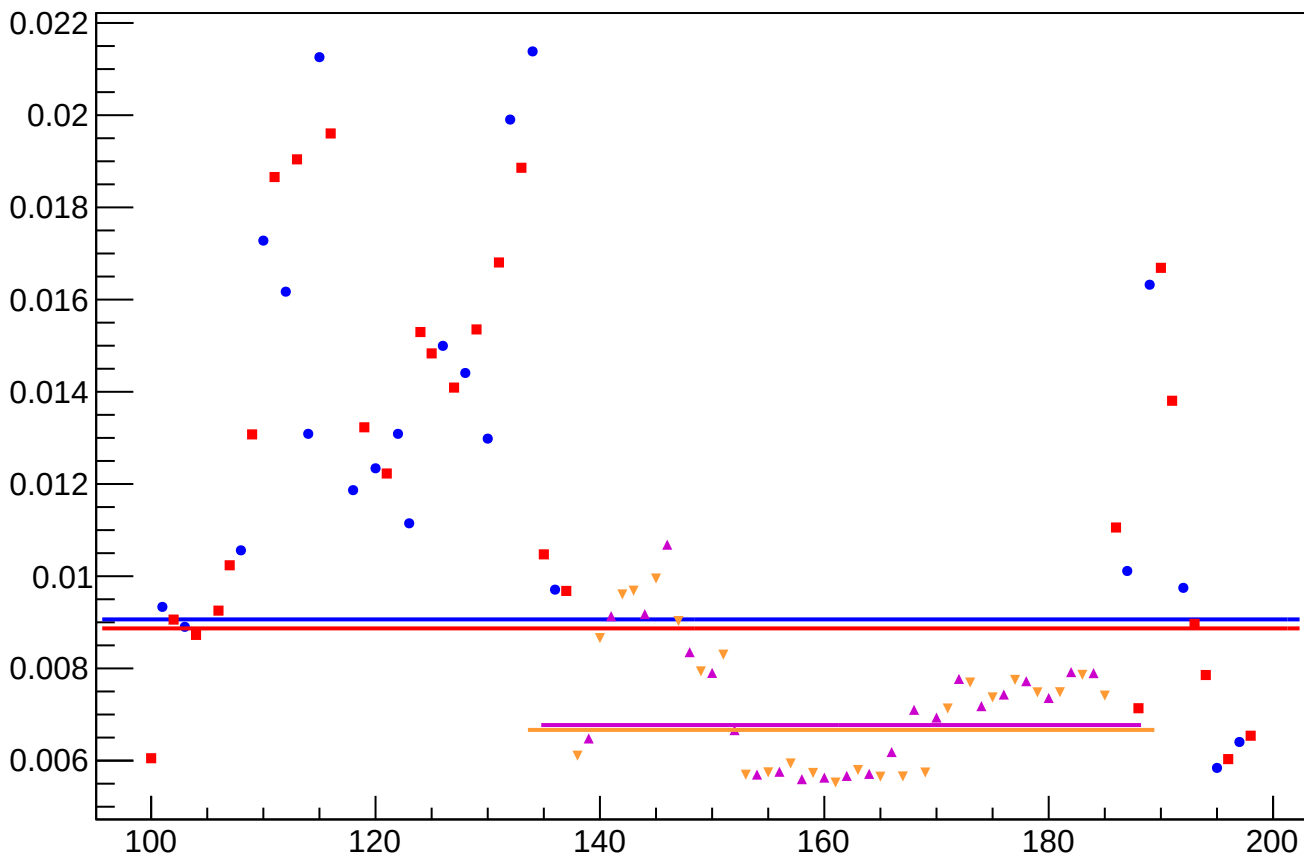
Left In: -0.044+/-0.000 χ^2/NDF : 15718556282.1/22

+ sign -0.088+/-0.000 χ^2/NDF : 39343056954.3/46

All: -0.106+/-0.000 χ^2/NDF : 74633478940.7/47

- sign -0.124+/-0.000 χ^2/NDF : 34991476524.6/49

yield_bpm0r03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 2103745.0/21

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1143768.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2504297.2/26

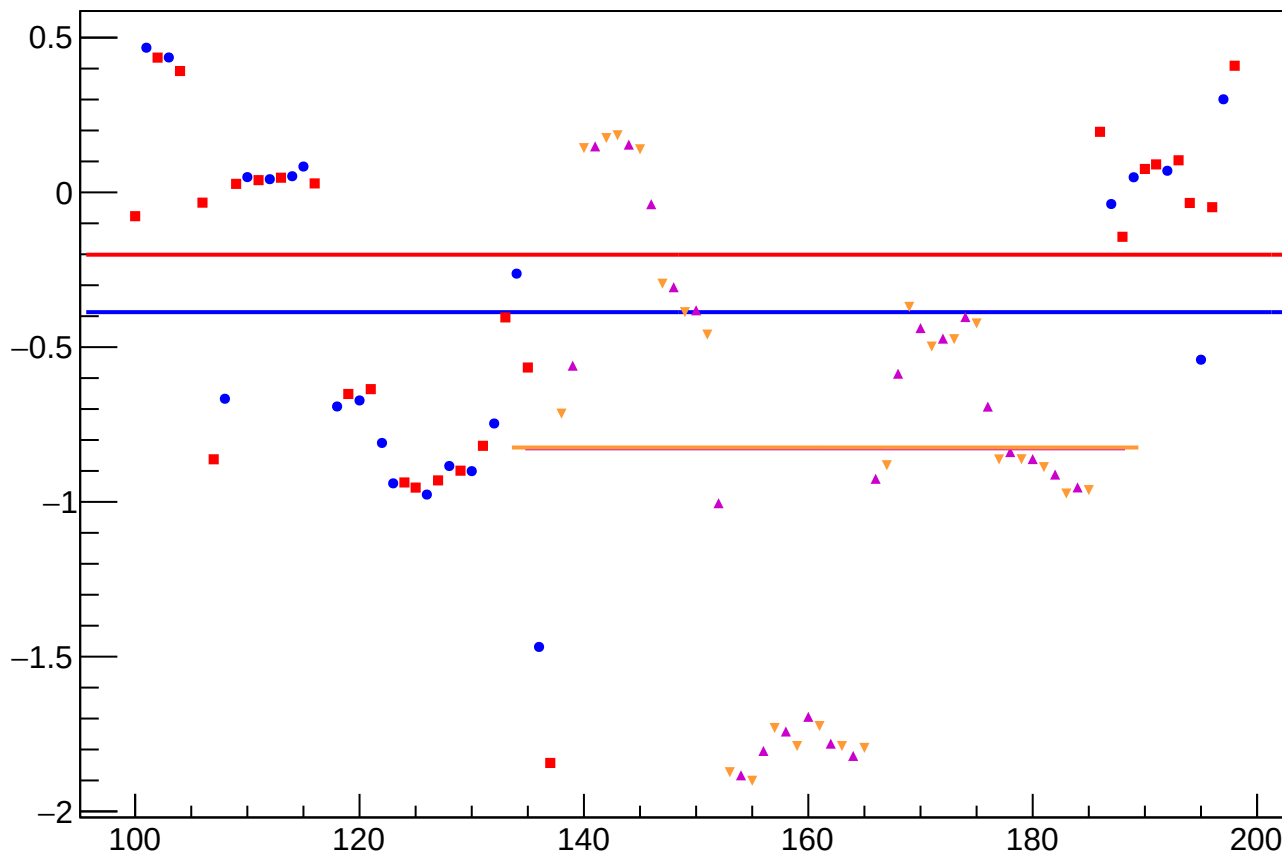
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4137728.3/46

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8389522.9/96

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4238569.0/49

yield_bpm0r05X_mean vs Slug



Right In: -0.387 ± 0.000 $\chi^2/\text{NDF}: 423622308.8/21$

Left Out: -0.824 ± 0.000 $\chi^2/\text{NDF}: 1103610806.5/24$

Right Out: -0.201 ± 0.000 $\chi^2/\text{NDF}: 355592567.1/26$

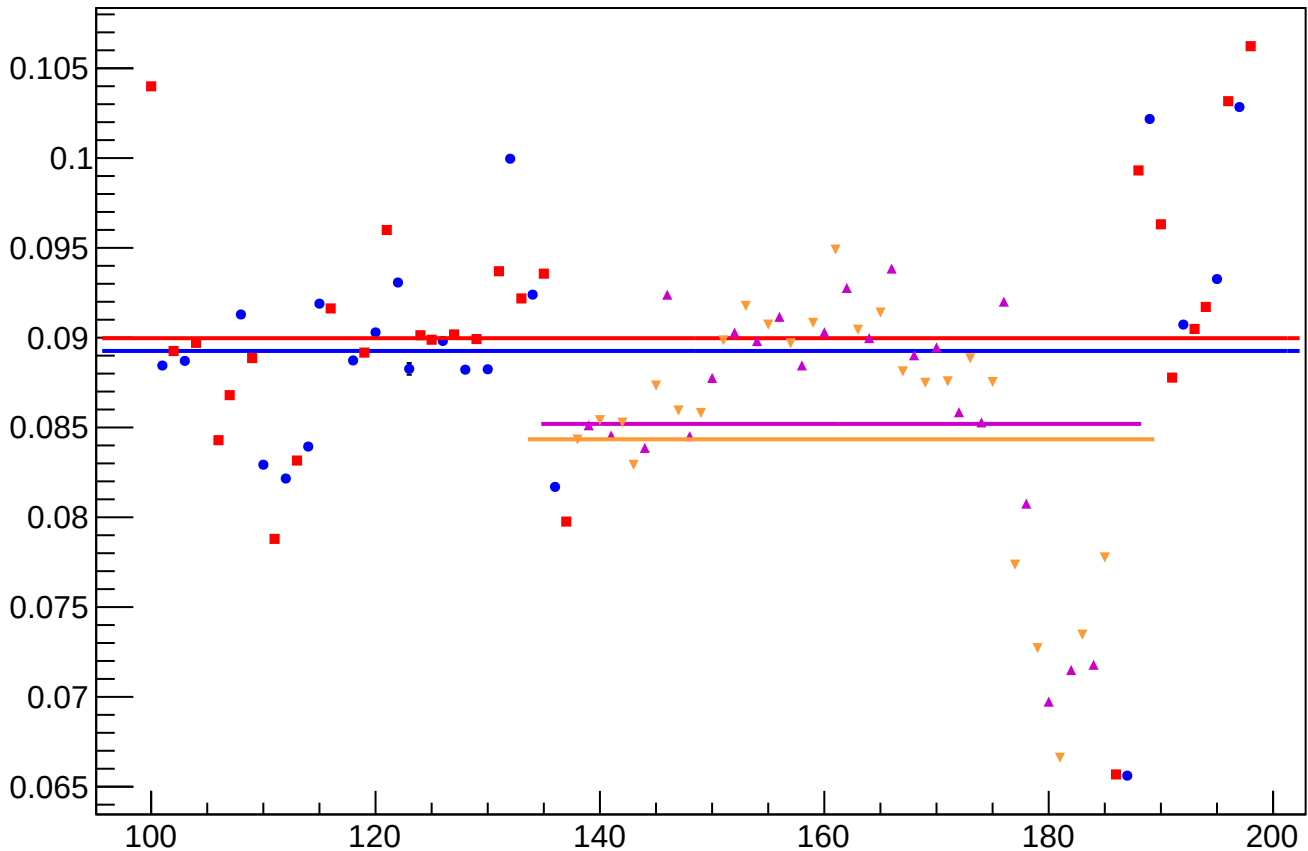
Left In: -0.827 ± 0.000 $\chi^2/\text{NDF}: 921651117.3/22$

+ sign -0.683 ± 0.000 $\chi^2/\text{NDF}: 1684895261.8/46$

All: -0.634 ± 0.000 $\chi^2/\text{NDF}: 3336745196.8/9$

- sign -0.585 ± 0.000 $\chi^2/\text{NDF}: 1633653366.3/49$

yield_bpm0r05X_rms vs Slug



Right In: 0.089 $\pm$ 0.000 χ^2 /NDF: 120807.4/21

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF: 288312.6/24

Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 229890.1/26

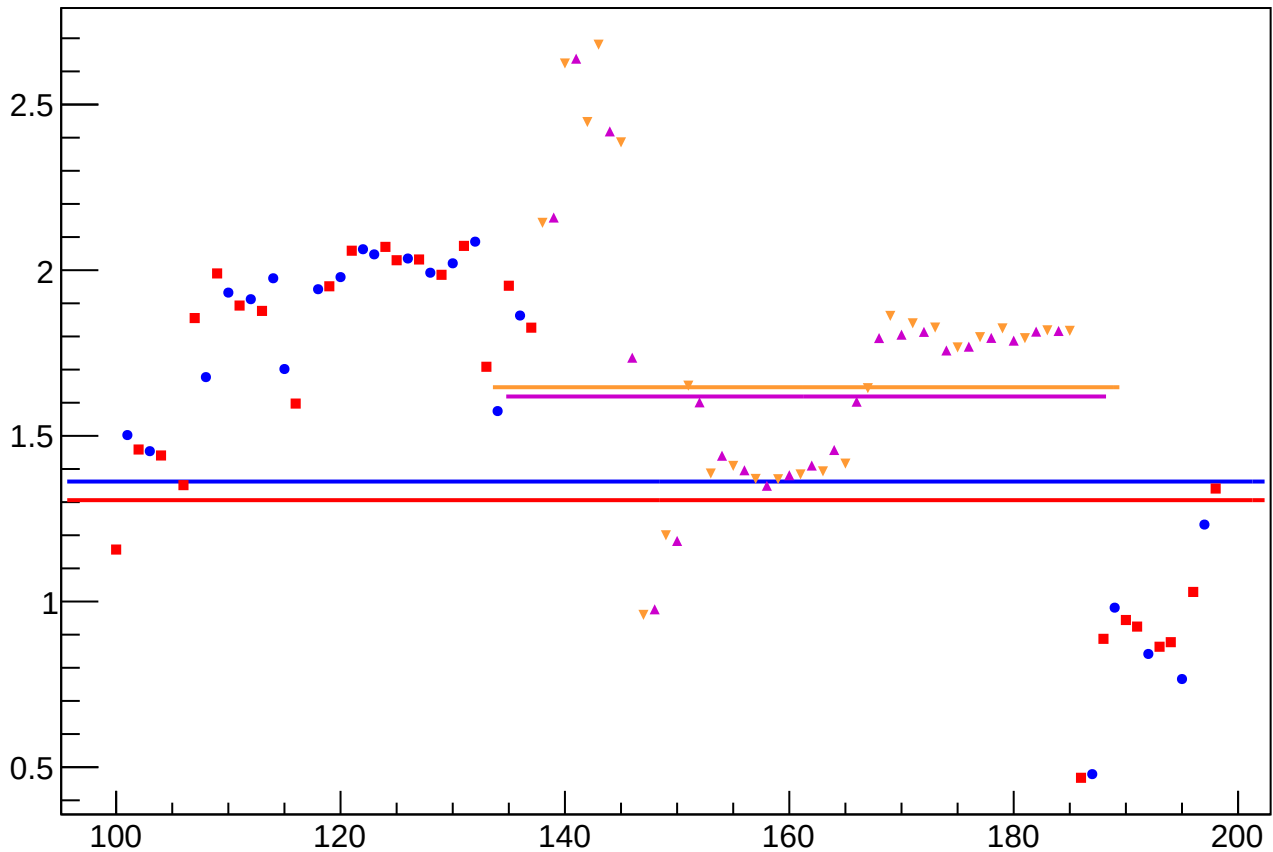
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF: 238313.9/22

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 449018.8/46

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 963391.3/96

- sign 0.087 $\pm$ 0.000 χ^2 /NDF: 509667.3/49

yield_bpm0r05Y_mean vs Slug



Right In: 1.362 $\pm$ 0.000 χ^2 /NDF: 12495810229.3/21

Left Out: 1.647 $\pm$ 0.000 χ^2 /NDF: 26535241545.7/24

Right Out: 1.306 $\pm$ 0.000 χ^2 /NDF: 11980446905.6/26

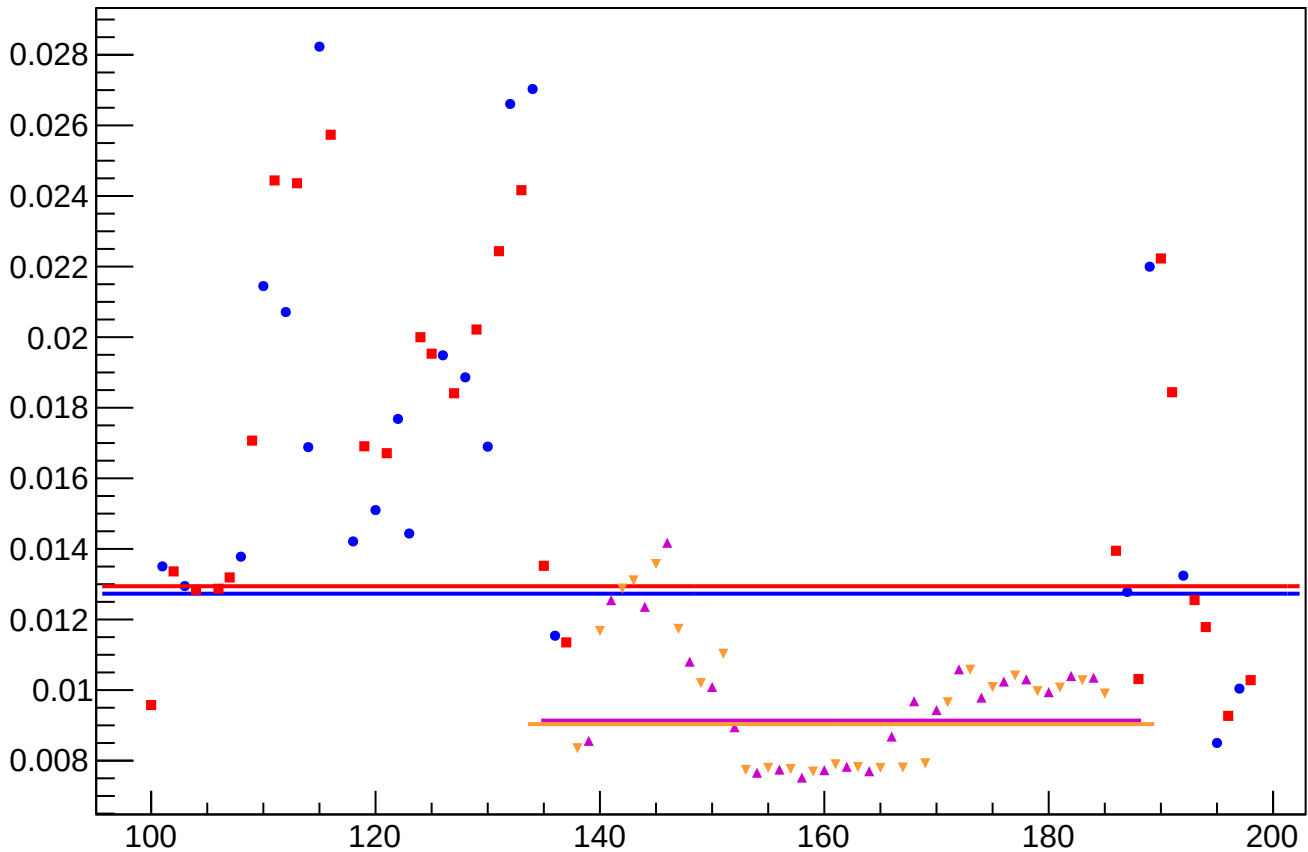
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.591 $\pm$ 0.000 χ^2 /NDF: 42347716248.6/46

All: 1.568 $\pm$ 0.000 χ^2 /NDF: 79730837070.0/9

- sign 1.544 $\pm$ 0.000 χ^2 /NDF: 37099574491.6/49

yield_bpm0r05Y_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1557214.4/21

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1042871.8/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1773649.1/26

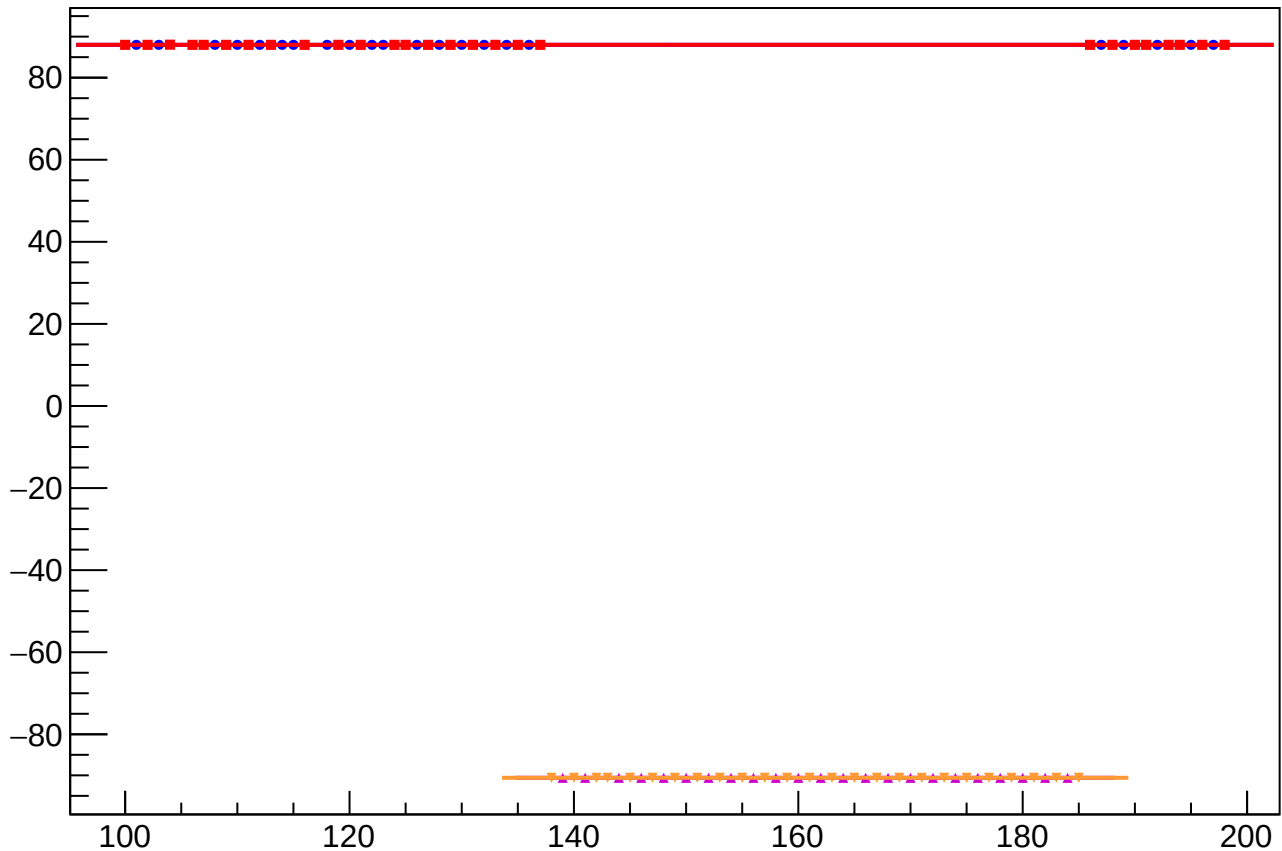
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:878356.2/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3718171.0/46

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 7724478.6/96

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3985318.6/49

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 2186899.1/21

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.002 $\pm$ 0.000 χ^2 /NDF: 80021825320771164734989795328.0/26

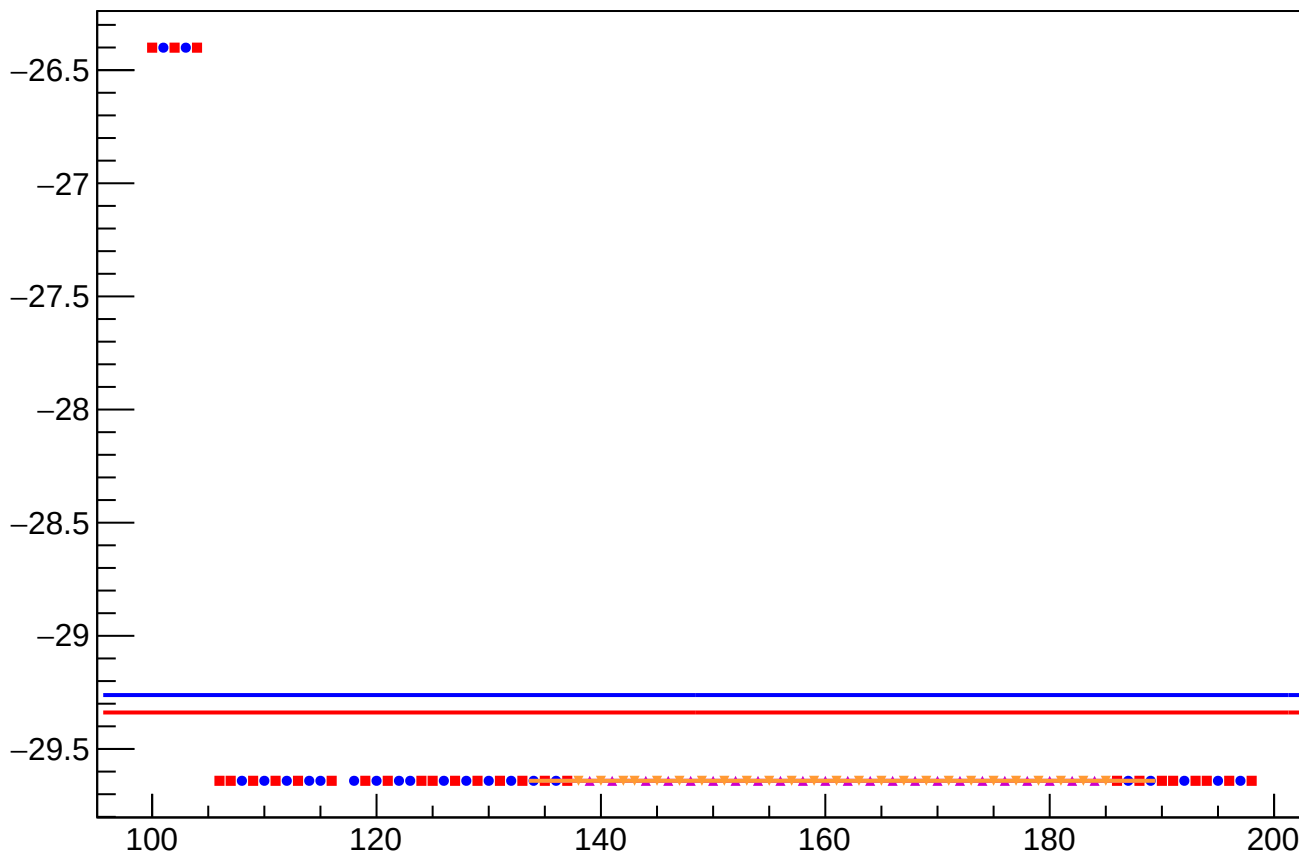
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -28.757 $\pm$ 0.000 χ^2 /NDF: 210406672354838

All: -22.998 $\pm$ 0.000 χ^2 /NDF: 446846737885

- sign -17.479 $\pm$ 0.000 χ^2 /NDF: 2345471889643254

epics_HWienAngles_mean vs Slug



Right In: -29.262+/-0.000 χ^2/NDF : 1093852000792868215142386474418176.0/21

Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24

Right Out: -29.339+/-0.000 χ^2/NDF : 1104263201927704281663099610595328.0/26

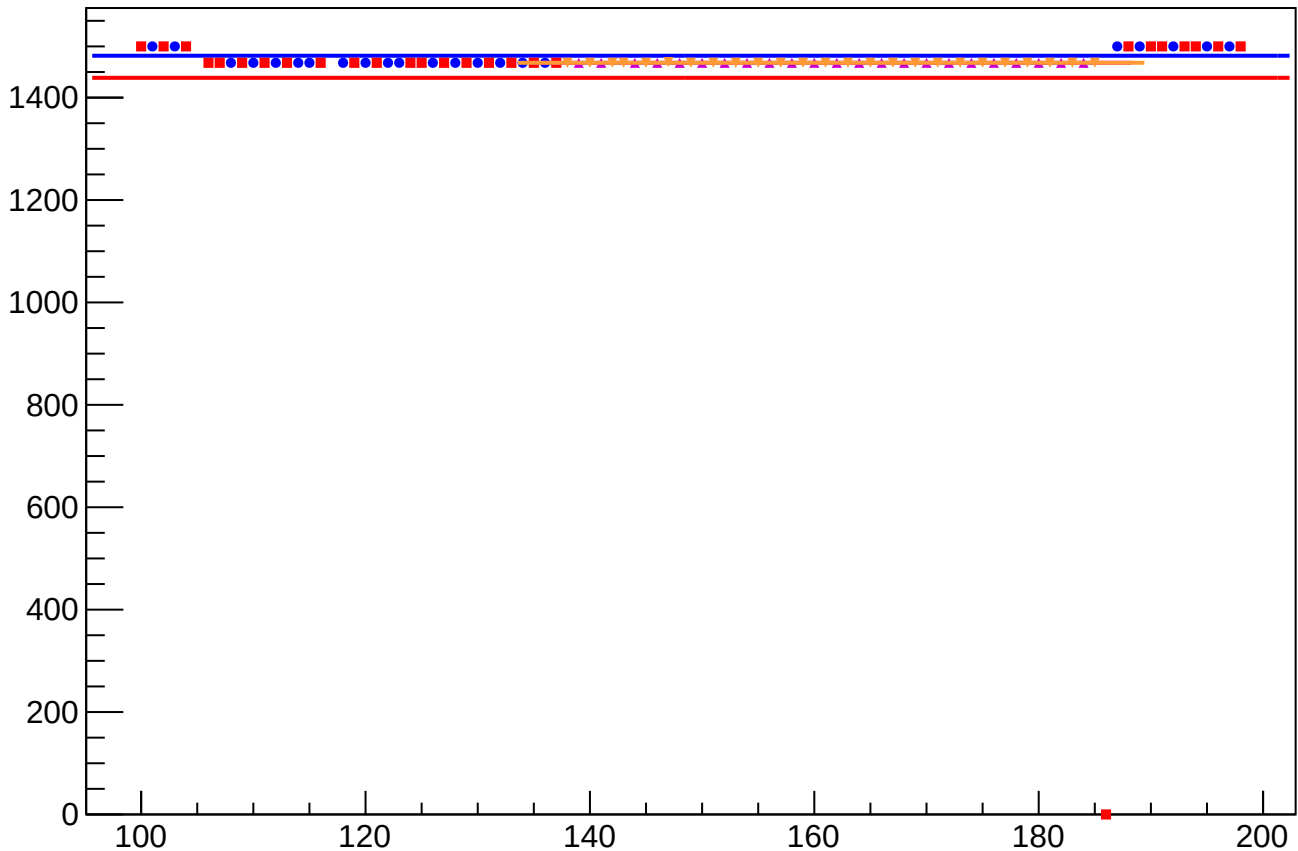
Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22

+ sign -29.510+/-0.000 χ^2/NDF : 118855599615647

All: -29.513+/-0.000 χ^2/NDF : 235991336463

- sign -29.517+/-0.000 χ^2/NDF : 1171271187109478

epics_psub_pl_poss_mean vs Slug



Right In: 1481.816+/-0.000 χ^2/NDF : 253881318967309036095263453330014208.0/21

Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24

Right Out: 1438.683+/-0.000 χ^2/NDF : 81437301282741478379576783010866921472.0/26

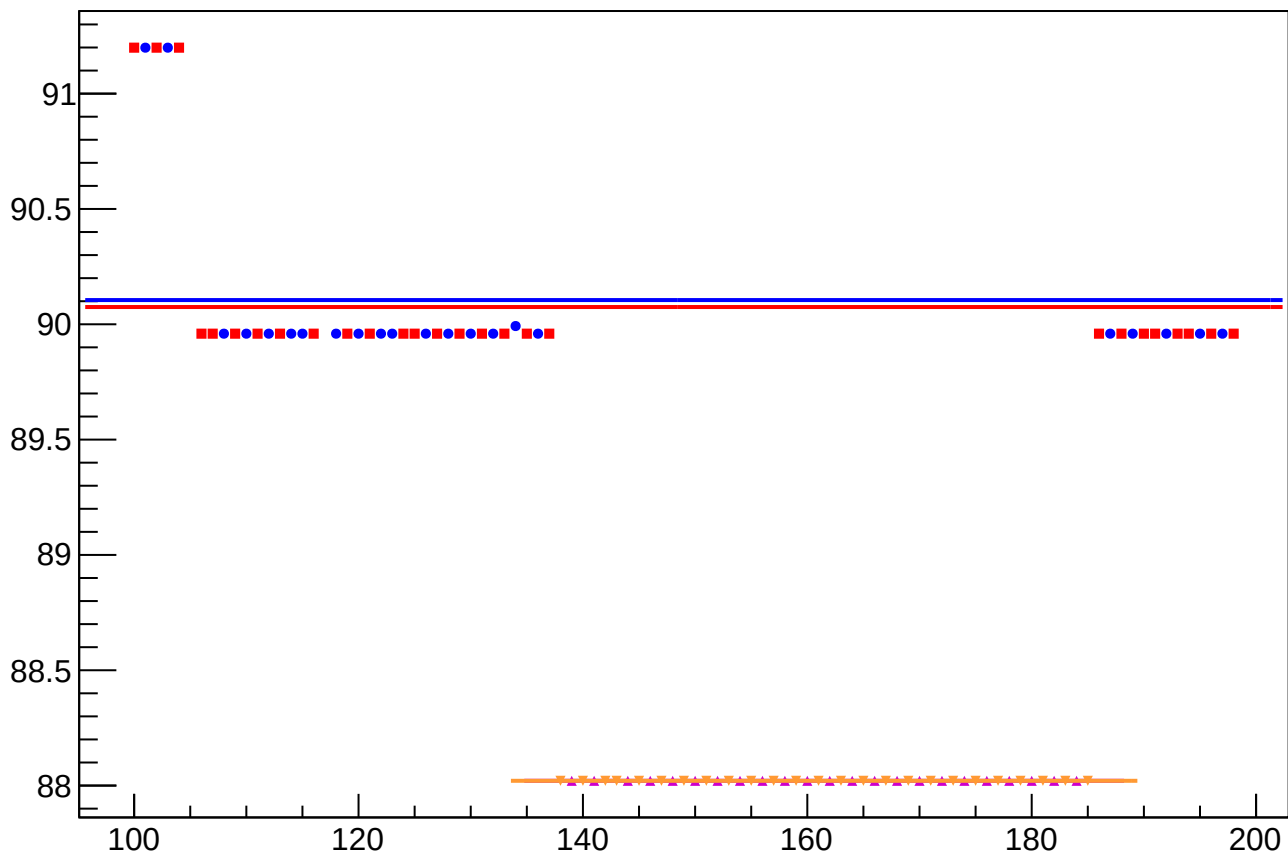
Left In: 1467.994+/-0.000 χ^2/NDF : 14449772795444989723550941184.0/22

+ sign 1472.815+/-0.000 χ^2/NDF : 37904977377141

All: 1464.225+/-0.000 χ^2/NDF : 82869125529

- sign 1455.994+/-0.000 χ^2/NDF : 82069005369725

epics_Phi_FGs_mean vs Slug



Right In: 90.105 $\pm$ 0.000 χ^2/NDF : 160039395003156667996047191048192.0/21

Left Out: 88.021 $\pm$ 0.000 χ^2/NDF : 5679798.5/24

Right Out: 90.075 $\pm$ 0.000 χ^2/NDF : 161743169799235022468024595644416.0/26

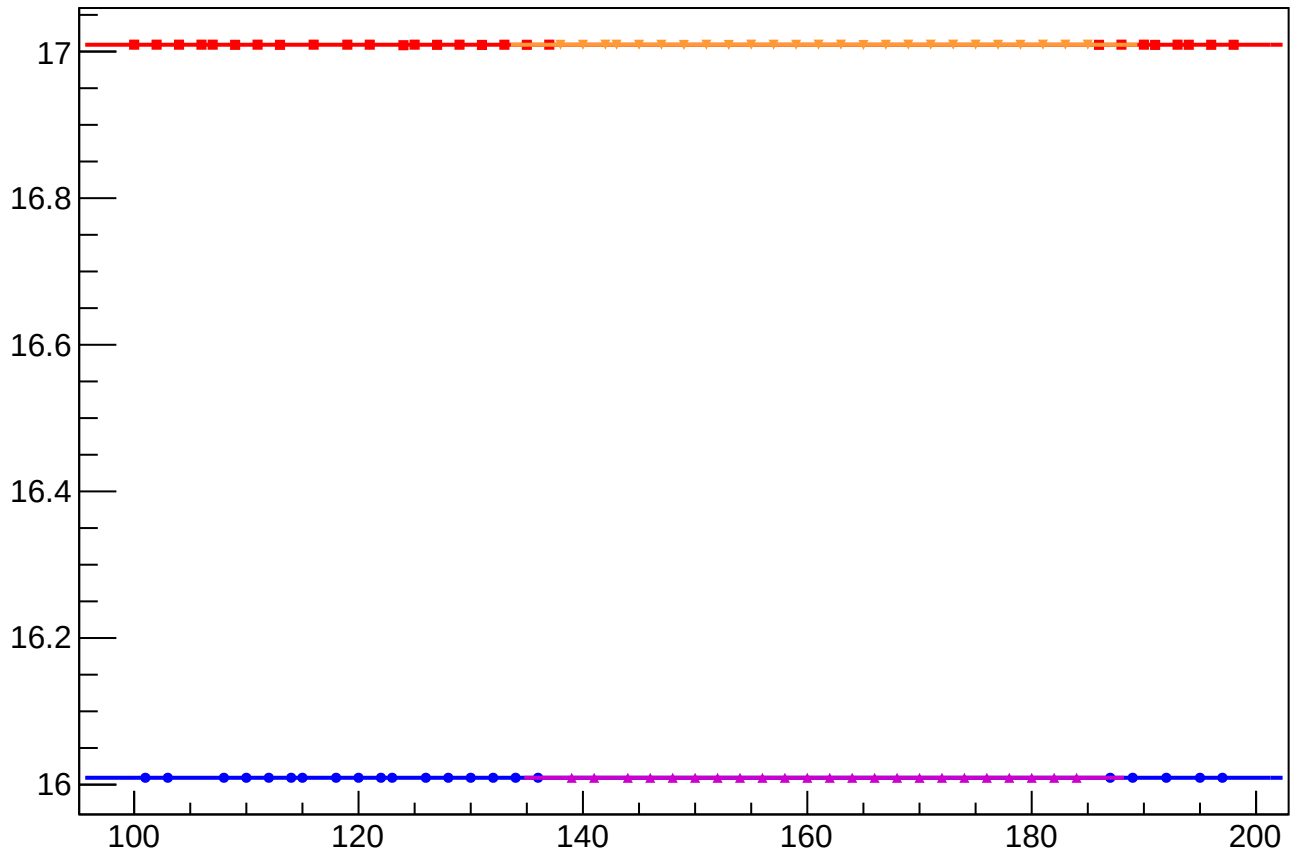
Left In: 88.021 $\pm$ 0.000 χ^2/NDF : 6257169.0/22

+ sign 88.742 $\pm$ 0.000 χ^2/NDF : 3025639464217941

All: 88.803 $\pm$ 0.000 χ^2/NDF : 6311065667560

- sign 88.862 $\pm$ 0.000 χ^2/NDF : 3264260533078804

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF : 149050.5/21

Left Out: 17.009+/-0.000

+ sign 16.654+/-0.000 χ^2/NDF : 6293816910003895

χ^2/NDF : 26194929080144976634970112.0/24

Right Out: 17.009+/-0.000

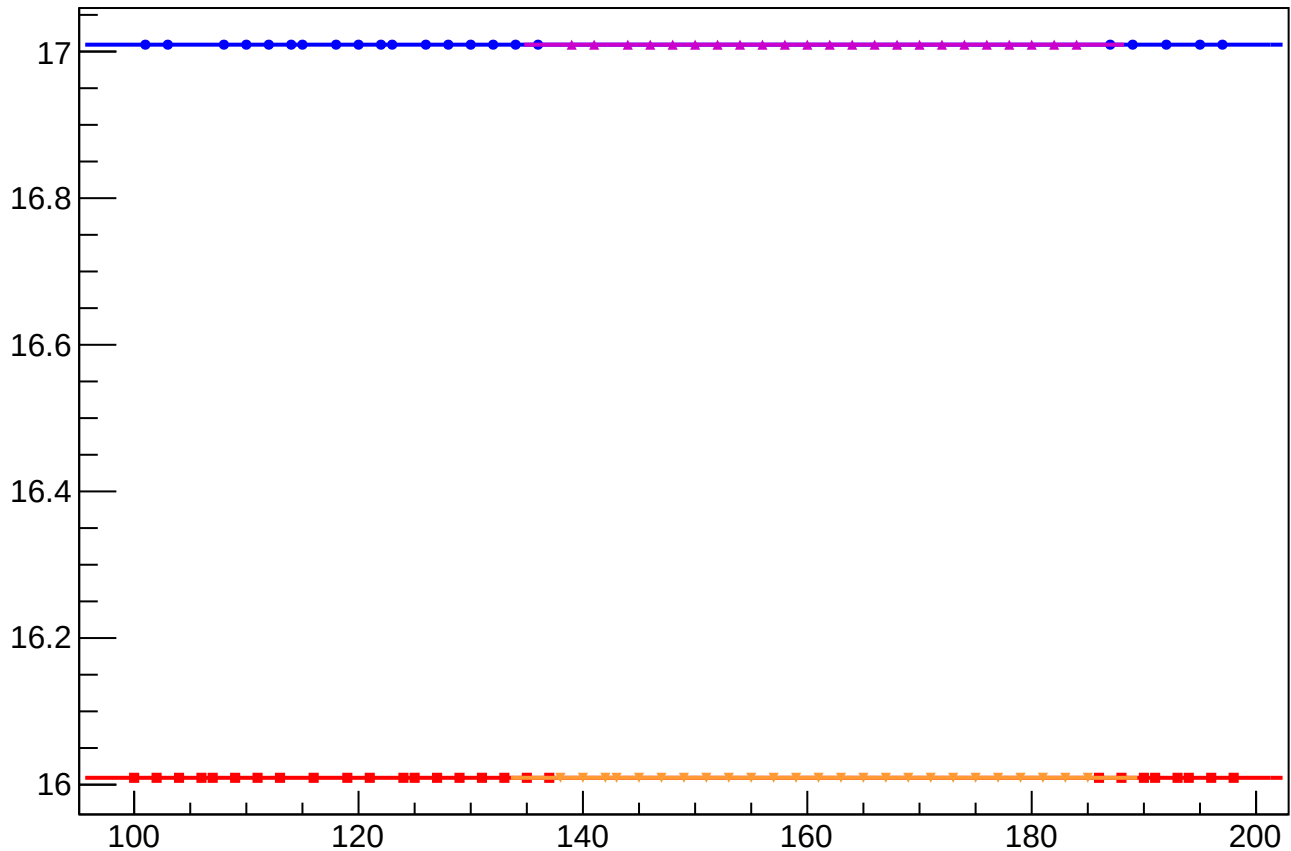
All: 16.536+/-0.000 χ^2/NDF : 1393861424990

- sign 16.423+/-0.000 χ^2/NDF : 6902815667830907

Left In: 16.009+/-0.000

χ^2/NDF : 127920993667935400624128.0/22

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 219921.8/21

Left Out: 16.009+/-0.000 χ^2/NDF : 61253.5/24

Right Out: 16.009+/-0.000 χ^2/NDF : 264779.6/26

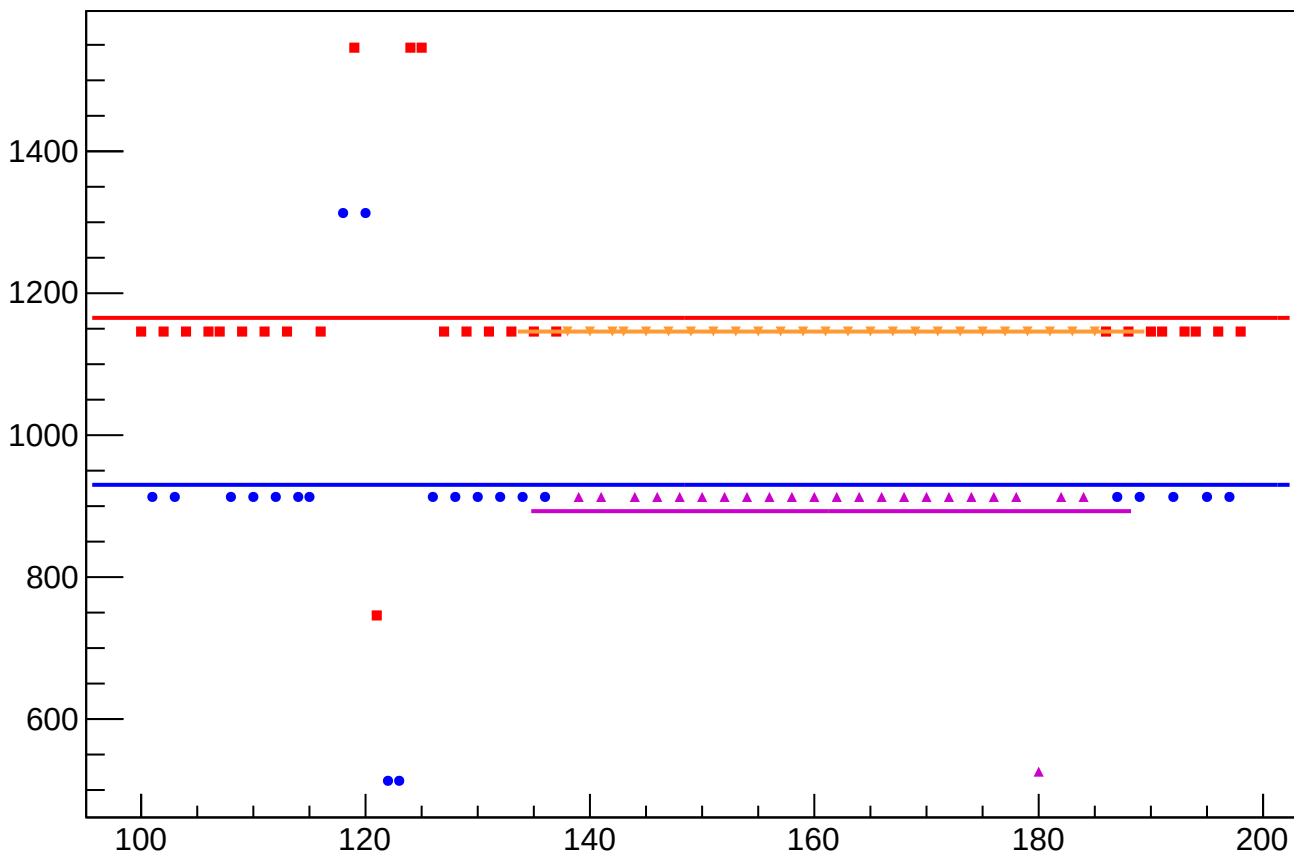
Left In: 17.009+/-0.000 χ^2/NDF : 114986101427233622065152.0/22

+ sign 16.351+/-0.000 χ^2/NDF : 6430150454863398

All: 16.476+/-0.000 χ^2/NDF : 1455209937907

- sign 16.595+/-0.000 χ^2/NDF : 7252359527769997

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 930.042 $\pm$ 0.000 χ^2/NDF : 20988135599359619715797098285257195520.0/21

Left Out: 1146.011 $\pm$ 0.000 χ^2/NDF : 8056834670270133849999540224.0/24

Right Out: 1165.287 $\pm$ 0.000 χ^2/NDF : 21618065084013468391252921642425253888.0/26

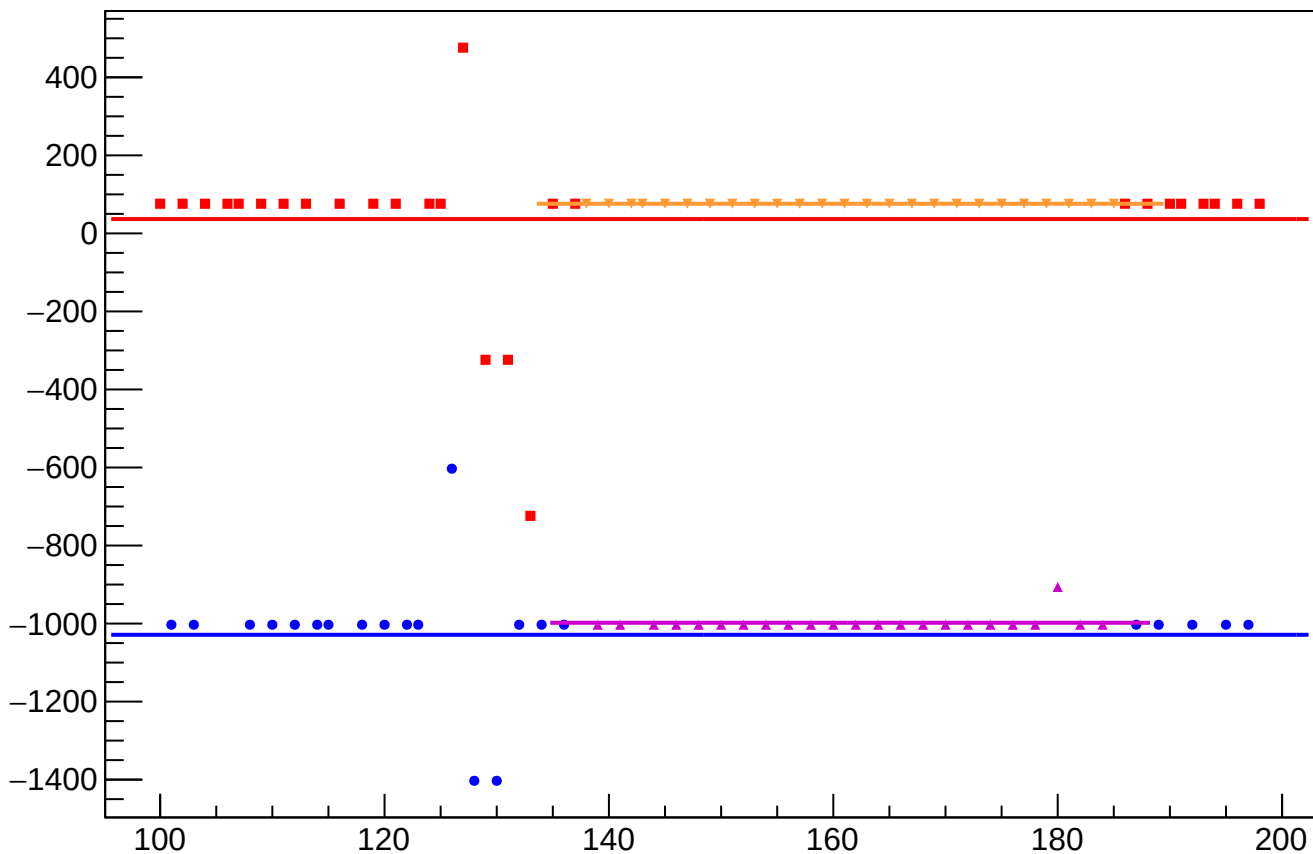
Left In: 892.950 $\pm$ 0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

All: 1037.126 $\pm$ 0.000 χ^2/NDF : 14775810321

+ sign 1071.230 $\pm$ 0.000 χ^2/NDF : 51754831788297

- sign 1004.446 $\pm$ 0.000 χ^2/NDF : 89366445300088

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1028.758 $\pm$ 0.000 χ^2 /NDF: 22529676945638889668390032433194467328.0/21

Left Out: 76.011 $\pm$ 0.000 χ^2 /NDF: 11479003589933272170007363584.0/24

Right Out: 36.813 $\pm$ 0.000 χ^2 /NDF: 45126896423442663250284951167110742016.0/26

Left In: -997.979 $\pm$ 0.000 χ^2 /NDF: 825858066518991041870194619245920256.0/22

All: -443.283 $\pm$ 0.000 χ^2 /NDF: 17676315918

+ sign -306.526 $\pm$ 0.000 χ^2 /NDF: 82761003248245

- sign -574.330 $\pm$ 0.000 χ^2 /NDF: 833298222404905