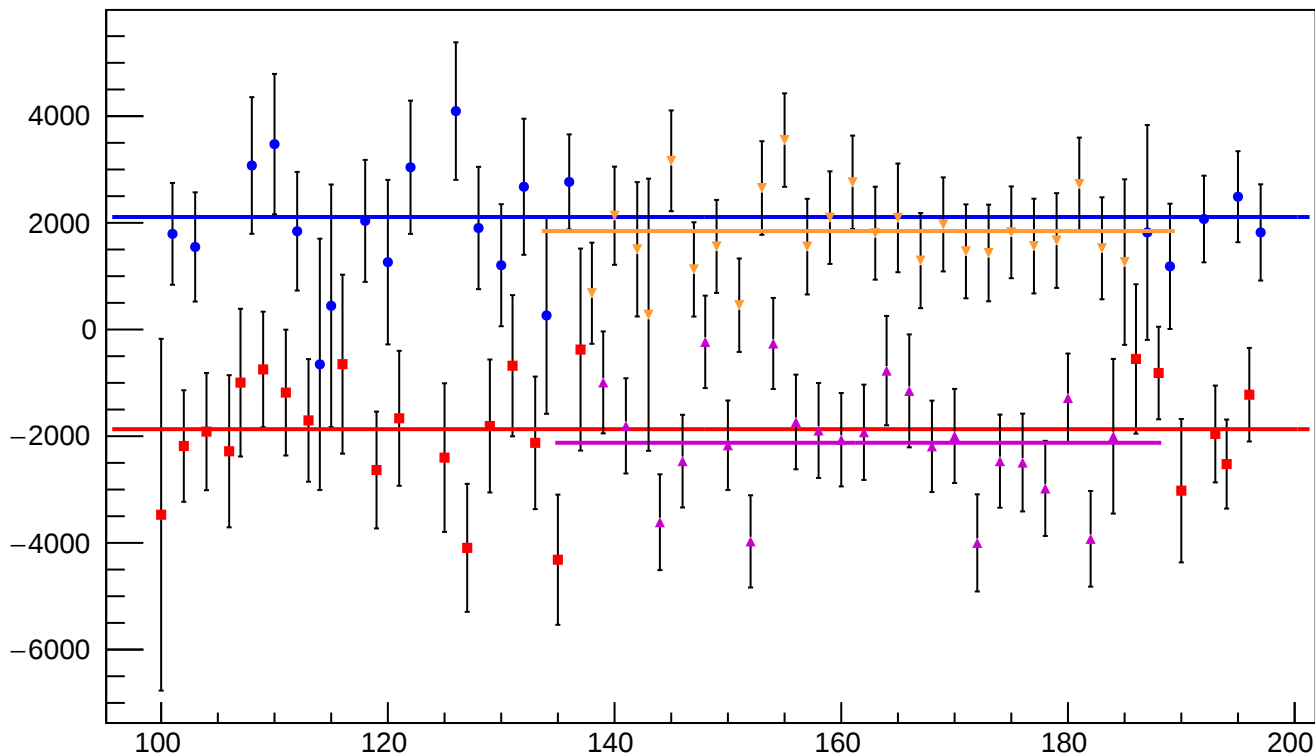


reg_asym_us_avg_mean vs Slug



Right In: 2109.111+/-252.915

Left Out: 1845.799+/-186.902

Right Out: -1868.248+/-240.028

Left In: -2123.138+/-188.684

χ^2 /NDF: 10.6/20

χ^2 /NDF:15.5/24

χ^2 /NDF: 16.6/23

χ^2 /NDF:32.0/22

+ sign 1938.804+/-150.312

All: -69.689+/-105.582

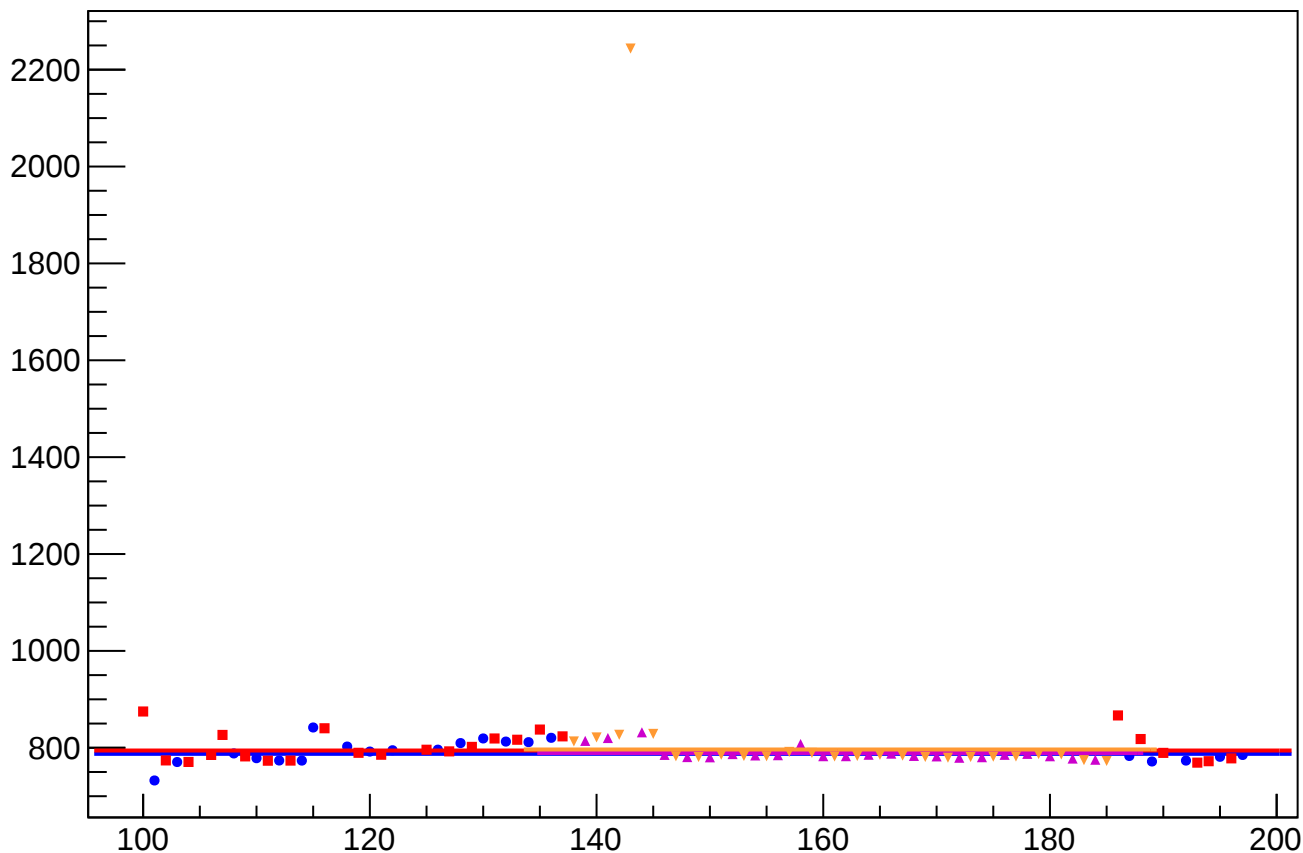
- sign -2025.788+/-148.338

χ^2 /NDF: 26.8/45

χ^2 /NDF: 428.6/92

χ^2 /NDF: 49.3/46

reg_asym_us_avg_rms vs Slug



Right In: 787.471+/-0.179 χ^2/NDF : 16574.6/20

Left Out: 796.441+/-0.132 χ^2/NDF : 658708.8/24

Right Out: 794.340+/-0.170 χ^2/NDF : 22100.5/23

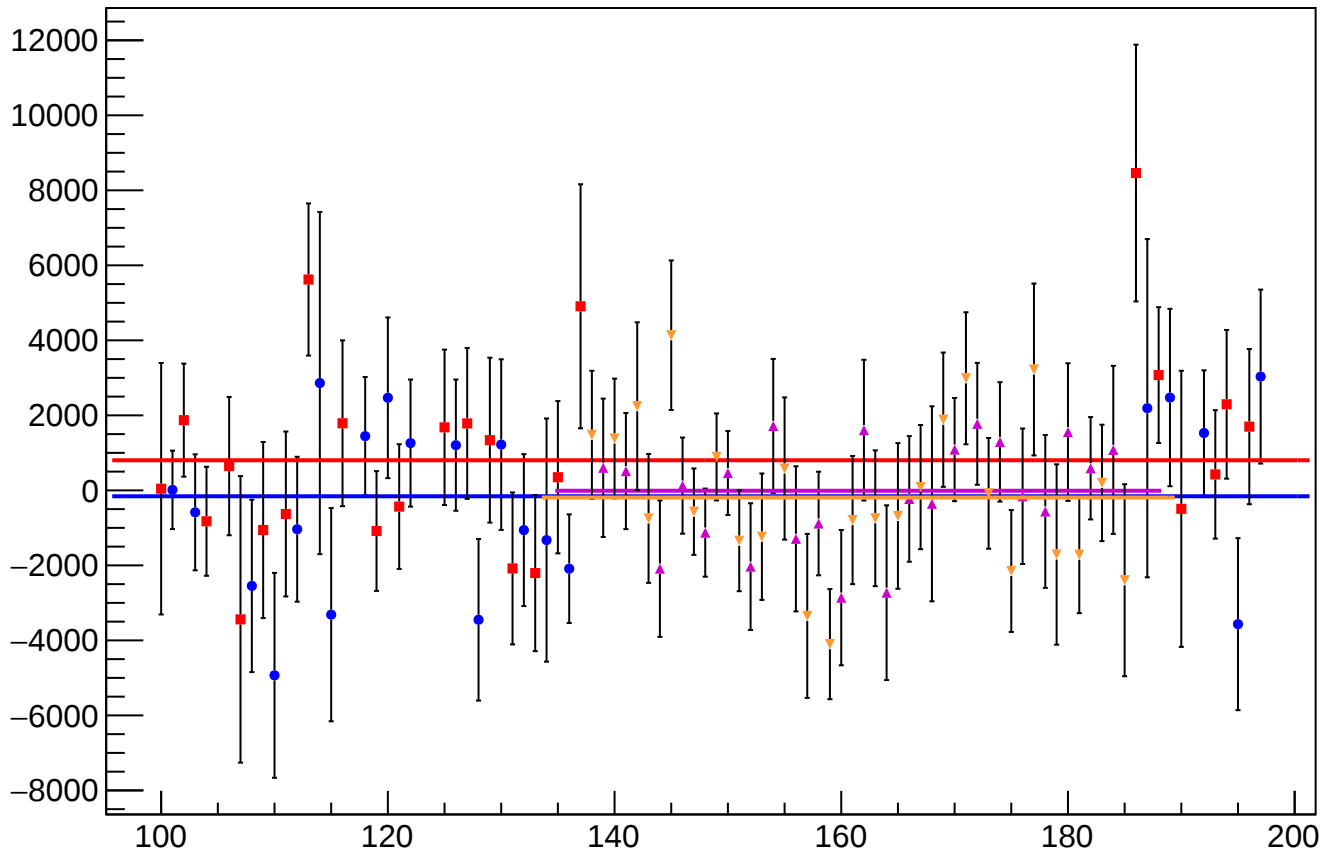
Left In: 789.185+/-0.133 χ^2/NDF : 11343.2/22

+ sign 793.272+/-0.106 χ^2/NDF : 676910.6/45

All: 792.199+/-0.075 χ^2/NDF : 711126.0/92

- sign 791.154+/-0.105 χ^2/NDF : 34014.1/46

asym_us_avg_correction_mean vs Slug



Right In: -157.502+/-423.431 χ^2/NDF : 21.4/20

Left Out: -191.027+/-333.904 χ^2/NDF : 30.1/24

Right Out: 802.755+/-417.128 χ^2/NDF : 25.6/23

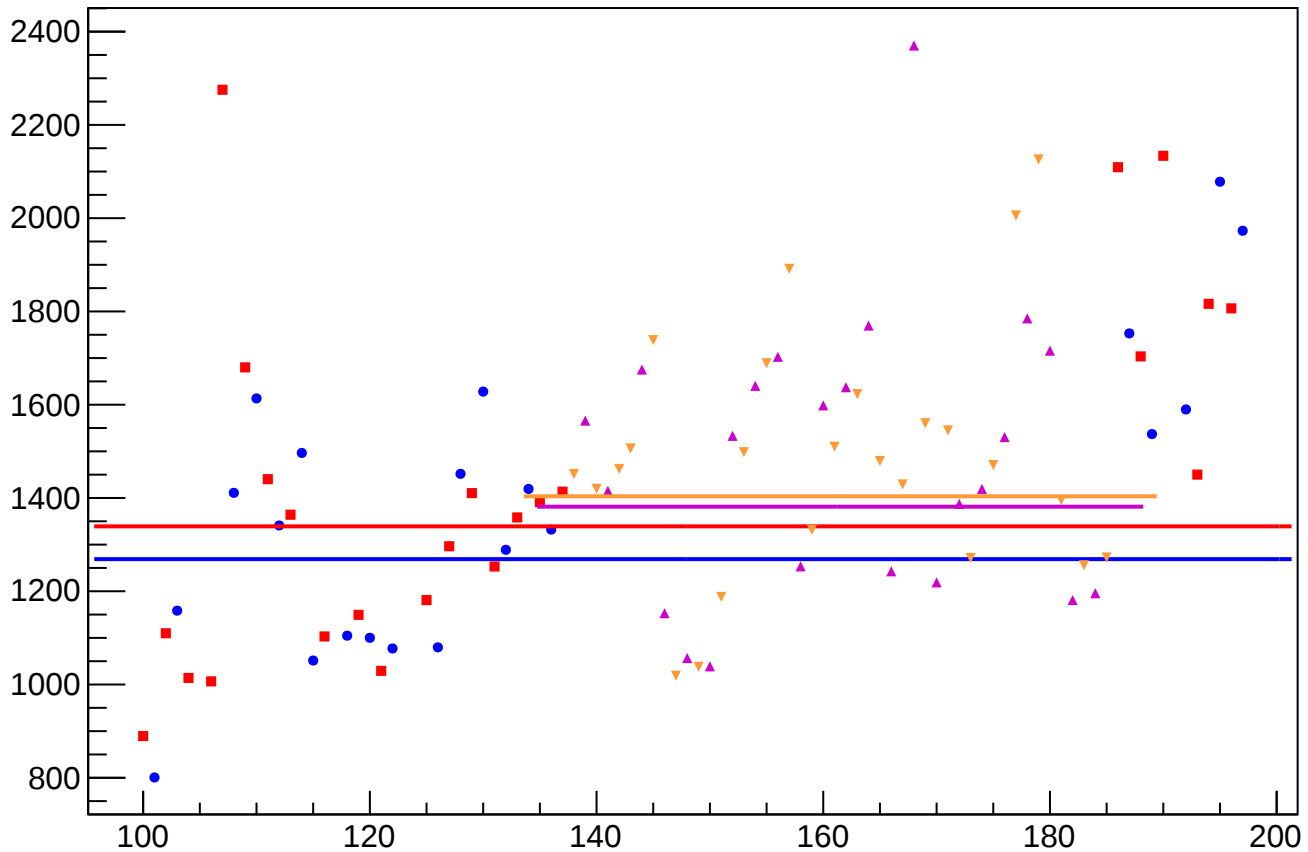
Left In: -10.093+/-337.810 χ^2/NDF : 14.2/22

+ sign -178.173+/-262.191 χ^2/NDF : 51.5/45

All: 66.537+/-185.513 χ^2/NDF : 95.4/92

- sign 311.861+/-262.520 χ^2/NDF : 42.1/46

asym_us_avg_correction_rms vs Slug



Right In: 1268.888 $\pm$ 0.299 χ^2 /NDF: 1181850.7/20

Left Out: 1403.610 $\pm$ 0.236 χ^2 /NDF:1126524.9/24

Right Out: 1339.149 $\pm$ 0.295 χ^2 /NDF: 1057259.7/23

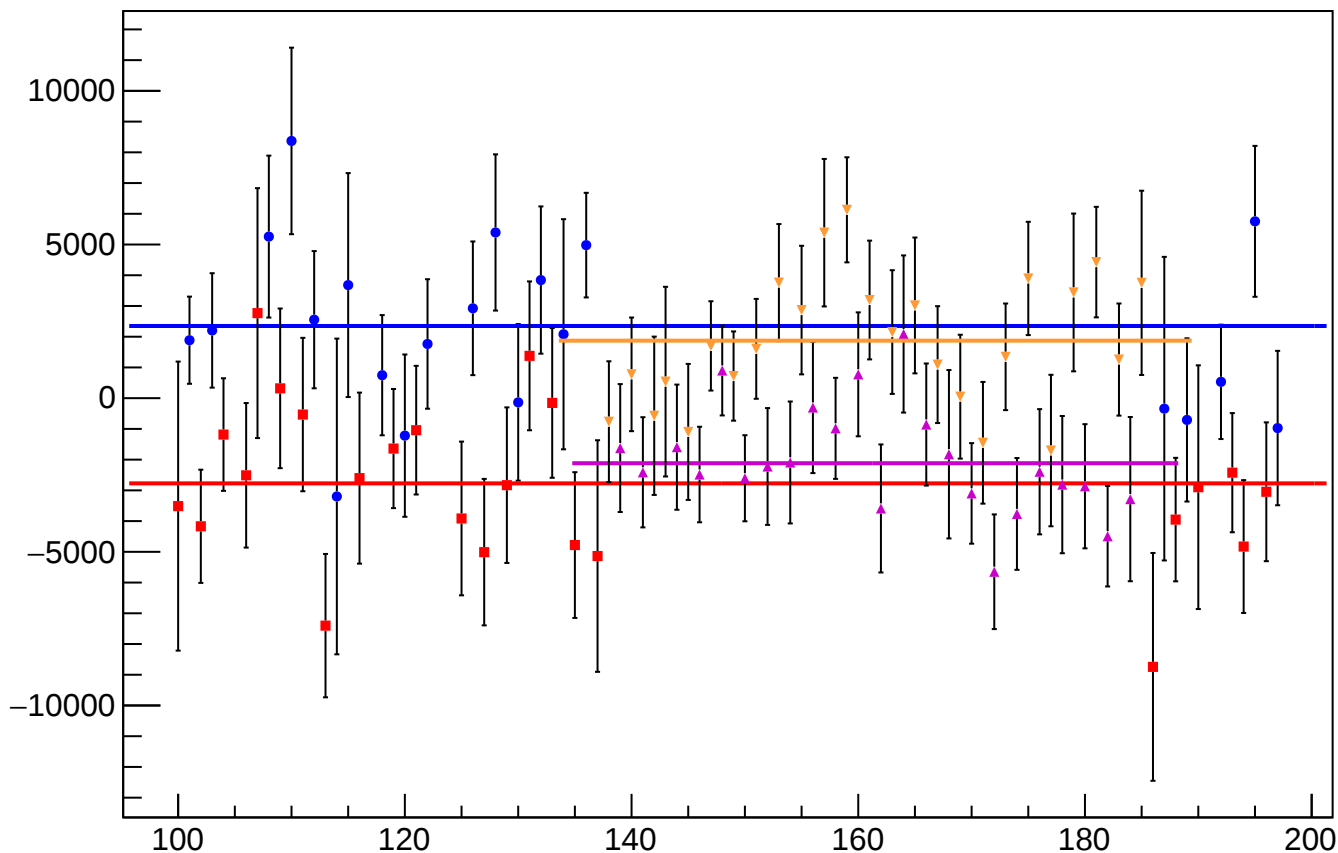
Left In: 1381.359 $\pm$ 0.239 χ^2 /NDF:1276488.2/22

+ sign 1351.955 $\pm$ 0.185 χ^2 /NDF: 2433209.0/45

All: 1358.290 $\pm$ 0.131 χ^2 /NDF: 4781662.4/92

- sign 1364.640 $\pm$ 0.186 χ^2 /NDF: 2346115.6/46

asym_us_avg_mean vs Slug



Right In: 2348.958 $\pm$ 507.089 χ^2 /NDF: 20.6/20

Left Out: 1871.638 $\pm$ 391.684 χ^2 /NDF:26.1/24

Right Out: -2772.332 $\pm$ 491.798 χ^2 /NDF: 20.6/23

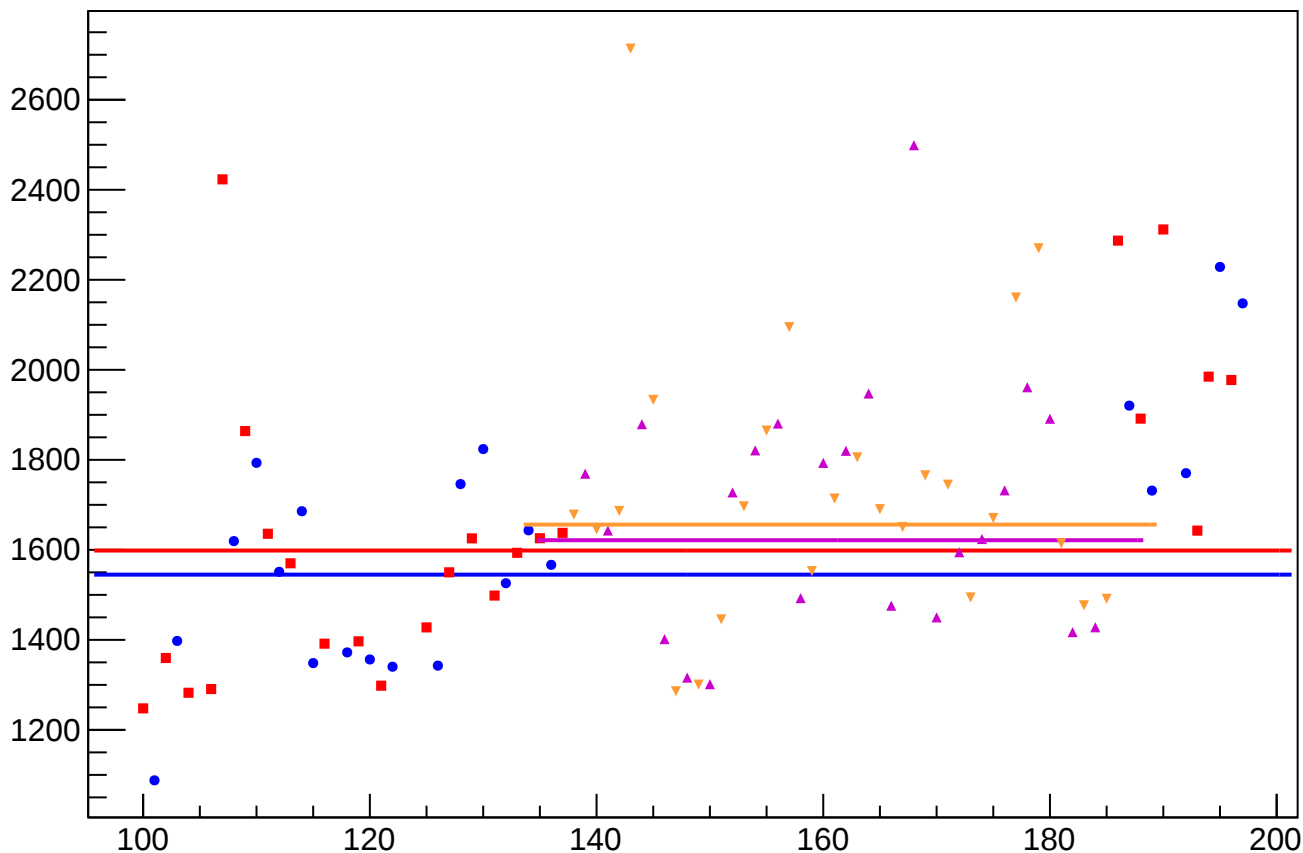
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 2050.003 $\pm$ 309.980 χ^2 /NDF: 47.3/45

All: -182.184 $\pm$ 218.132 χ^2 /NDF: 190.5/92

- sign -2371.848 $\pm$ 307.013 χ^2 /NDF: 40.5/46

asym_us_avg_rms vs Slug



Right In: 1544.934+/-0.359 χ^2/NDF : 663821.1/20

Left Out: 1656.119+/-0.277 χ^2/NDF : 910573.4/24

Right Out: 1598.481+/-0.348 χ^2/NDF : 628046.8/23

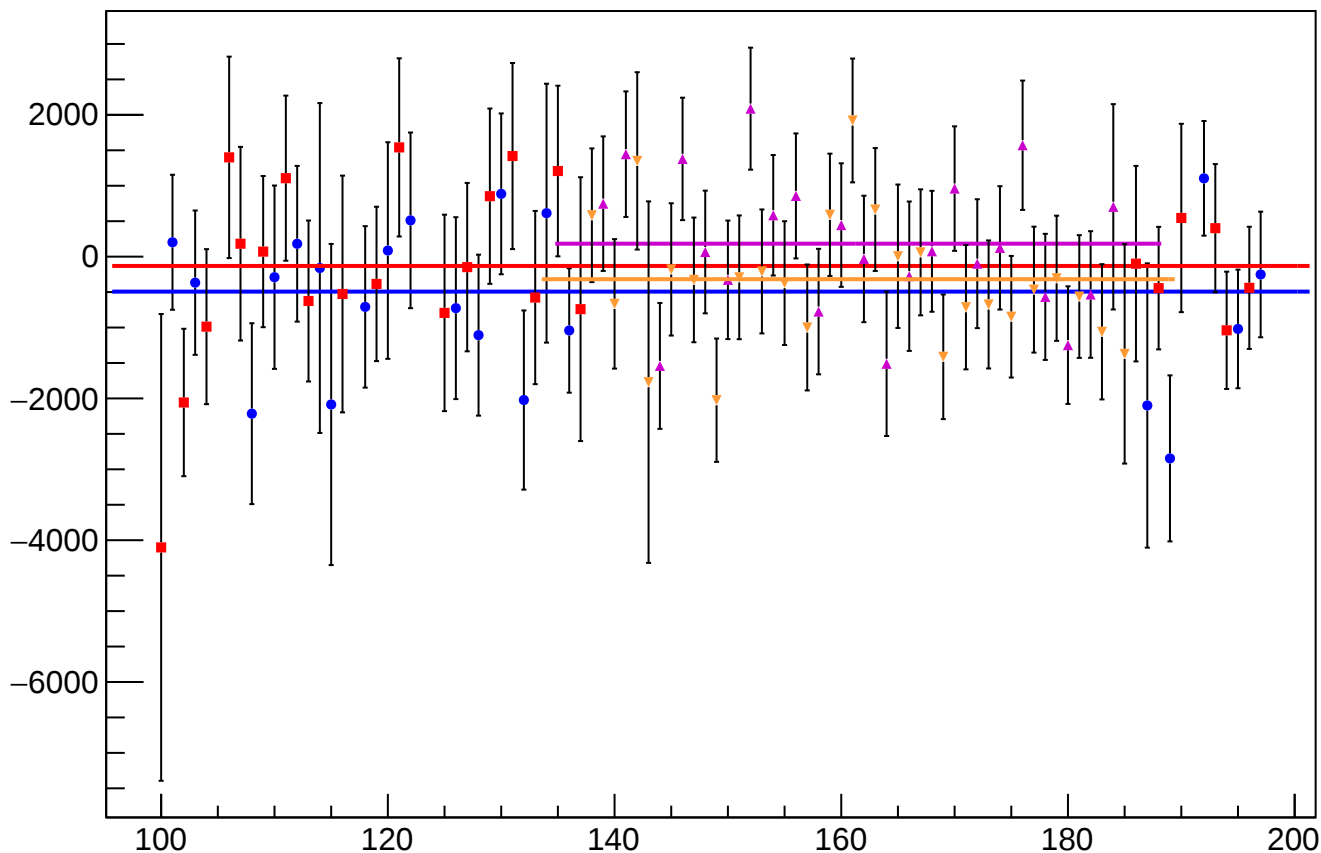
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1614.572+/-0.219 χ^2/NDF : 1634616.0/45

All: 1613.515+/-0.154 χ^2/NDF : 3040673.5/92

- sign 1612.479+/-0.217 χ^2/NDF : 1406011.5/46

reg_asym_us_dd_mean vs Slug



Right In: -493.300 ± 250.502 χ^2/NDF : 17.2/20

Left Out: -318.336 ± 186.041 χ^2/NDF : 20.4/24

Right Out: -131.295 ± 237.769 χ^2/NDF : 15.8/23

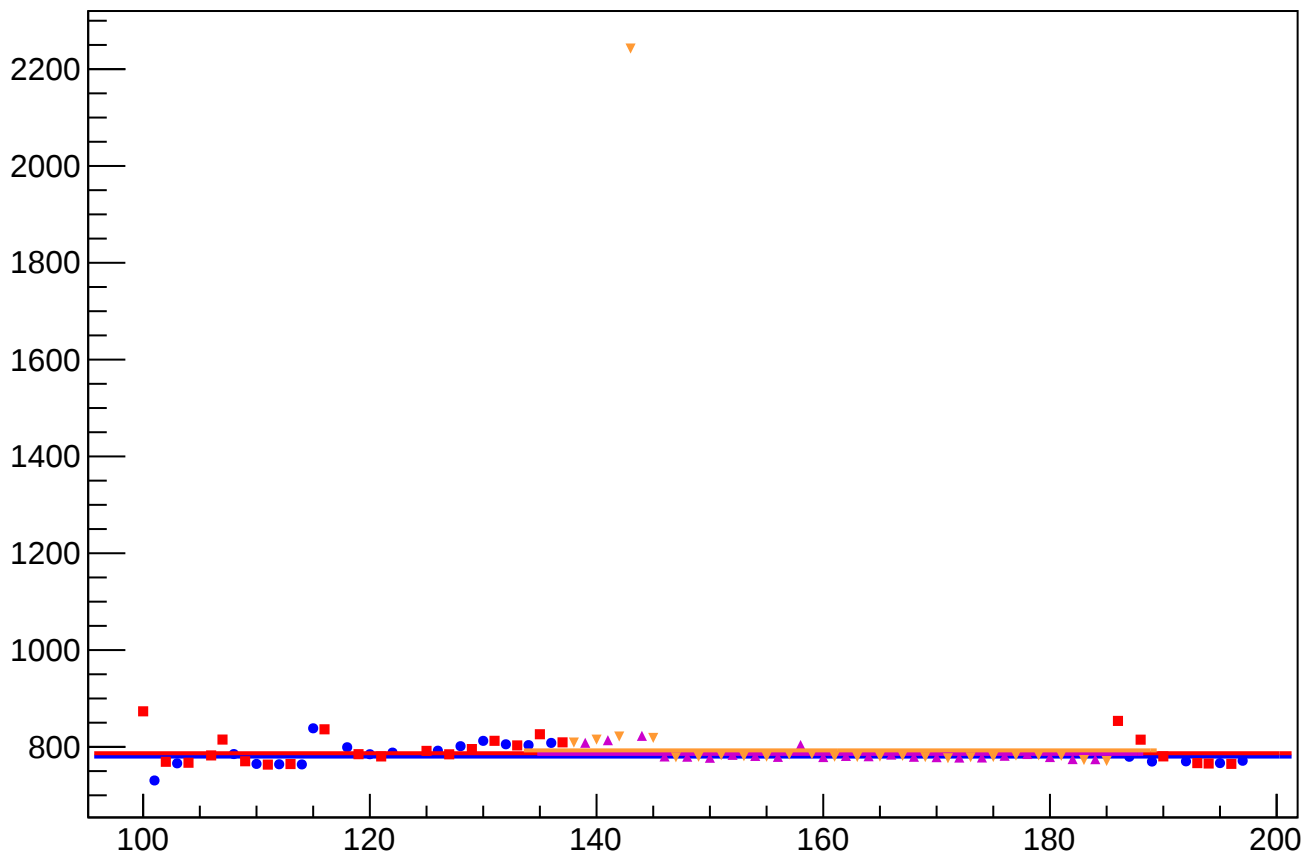
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -380.533 ± 149.356 χ^2/NDF : 37.9/45

All: -156.235 ± 104.906 χ^2/NDF : 85.3/92

- sign 62.176 ± 147.383 χ^2/NDF : 43.0/46

reg_asym_us_dd_rms vs Slug



Right In: 779.999 $\pm$ 0.177 χ^2 /NDF: 15488.4/20

Left Out: 792.791 $\pm$ 0.132 χ^2 /NDF: 659510.7/24

Right Out: 786.916 $\pm$ 0.168 χ^2 /NDF: 21482.1/23

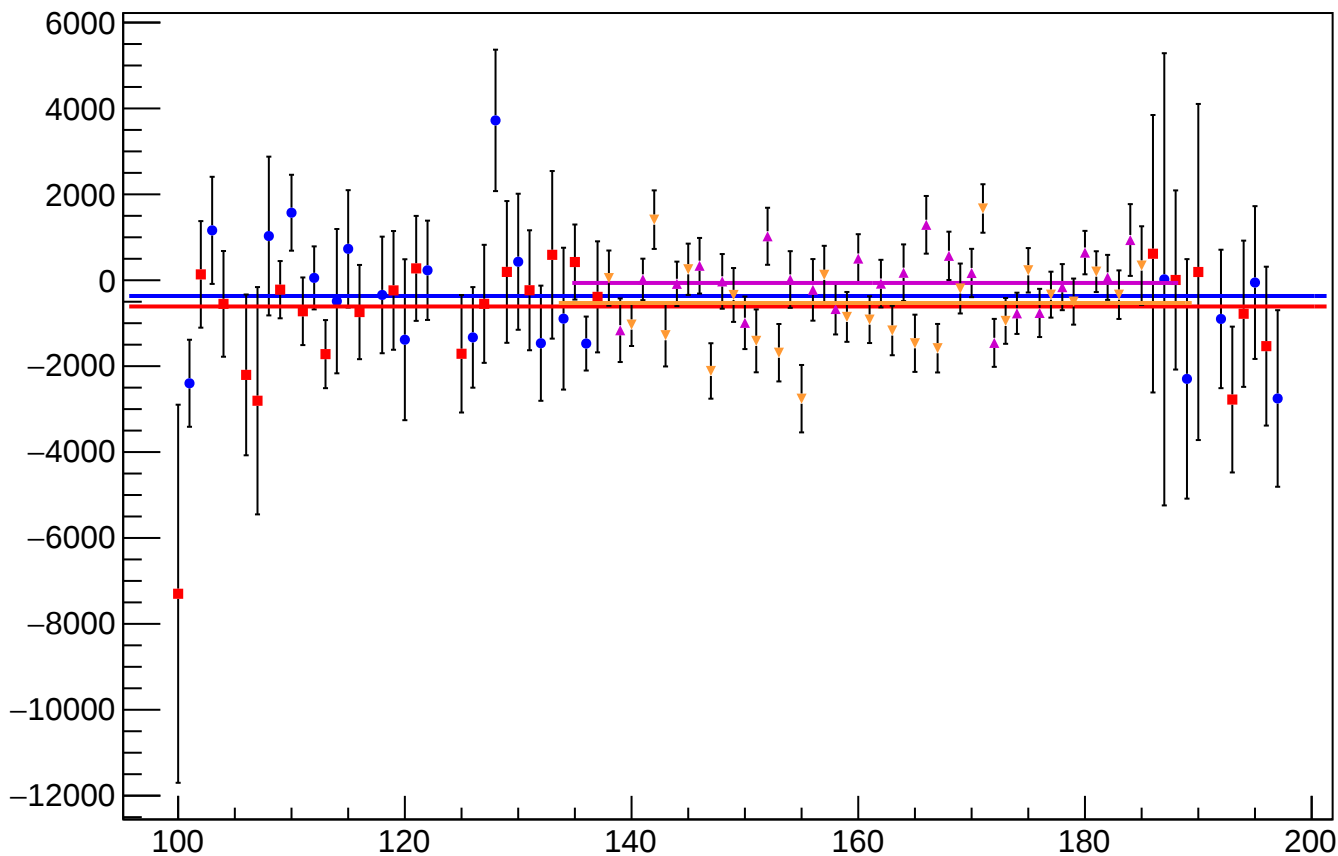
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 788.244 $\pm$ 0.106 χ^2 /NDF: 678360.7/45

All: 787.158 $\pm$ 0.074 χ^2 /NDF: 709463.3/92

- sign 786.101 $\pm$ 0.104 χ^2 /NDF: 30894.0/46

asym_us_dd_correction_mean vs Slug



Right In: -366.418 ± 271.443 χ^2/NDF : 25.4/20

Left Out: -530.101 ± 119.543 χ^2/NDF : 61.6/24

Right Out: -610.590 ± 260.276 χ^2/NDF : 12.0/23

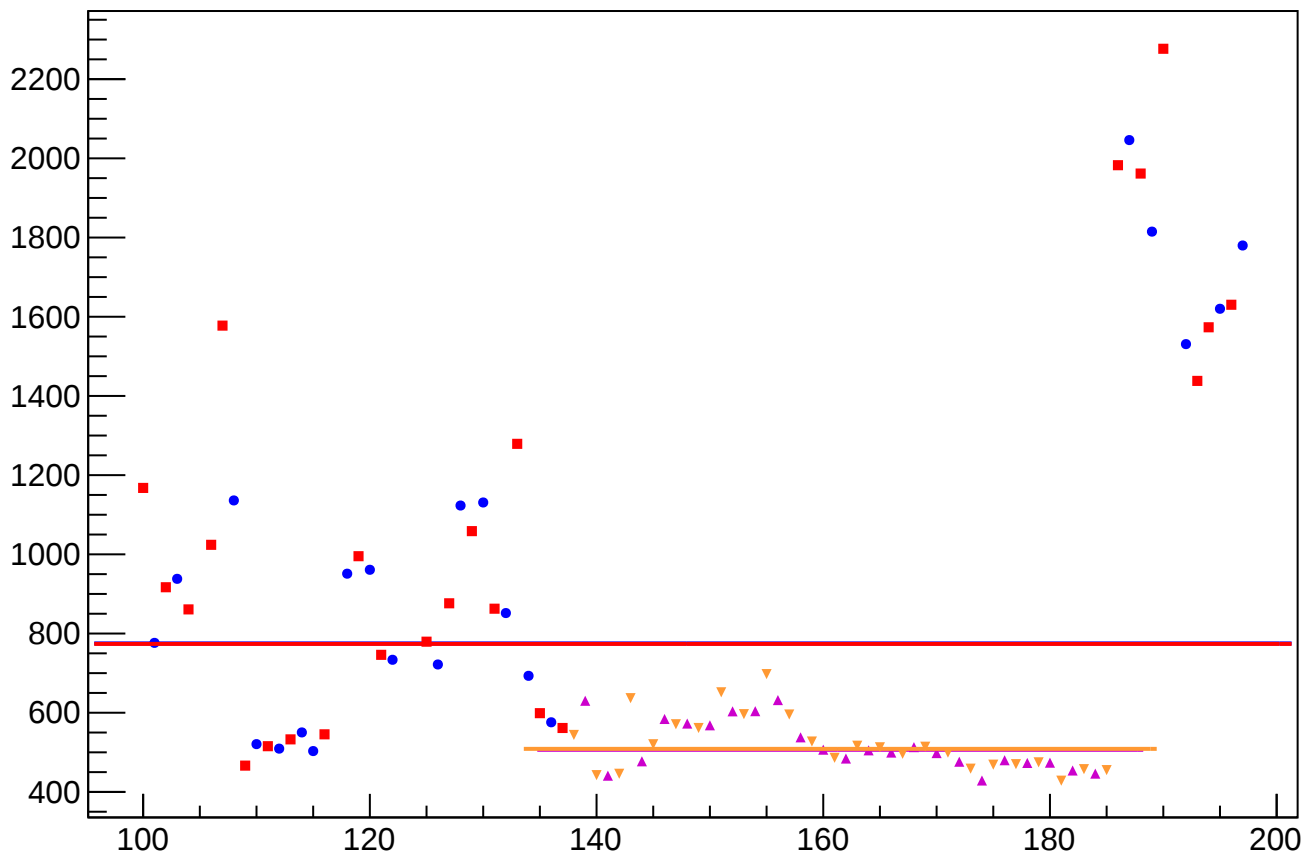
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -503.512 ± 109.403 χ^2/NDF : 87.3/45

All: -334.217 ± 77.745 χ^2/NDF : 136.5/92

- sign -161.509 ± 110.500 χ^2/NDF : 44.4/46

asym_us_dd_correction_rms vs Slug



Right In: 775.049 $\pm$ 0.192 χ^2 /NDF: 2880957.7/20

Left Out: 508.773 $\pm$ 0.085 χ^2 /NDF: 549245.1/24

Right Out: 773.806 $\pm$ 0.184 χ^2 /NDF: 3985040.8/23

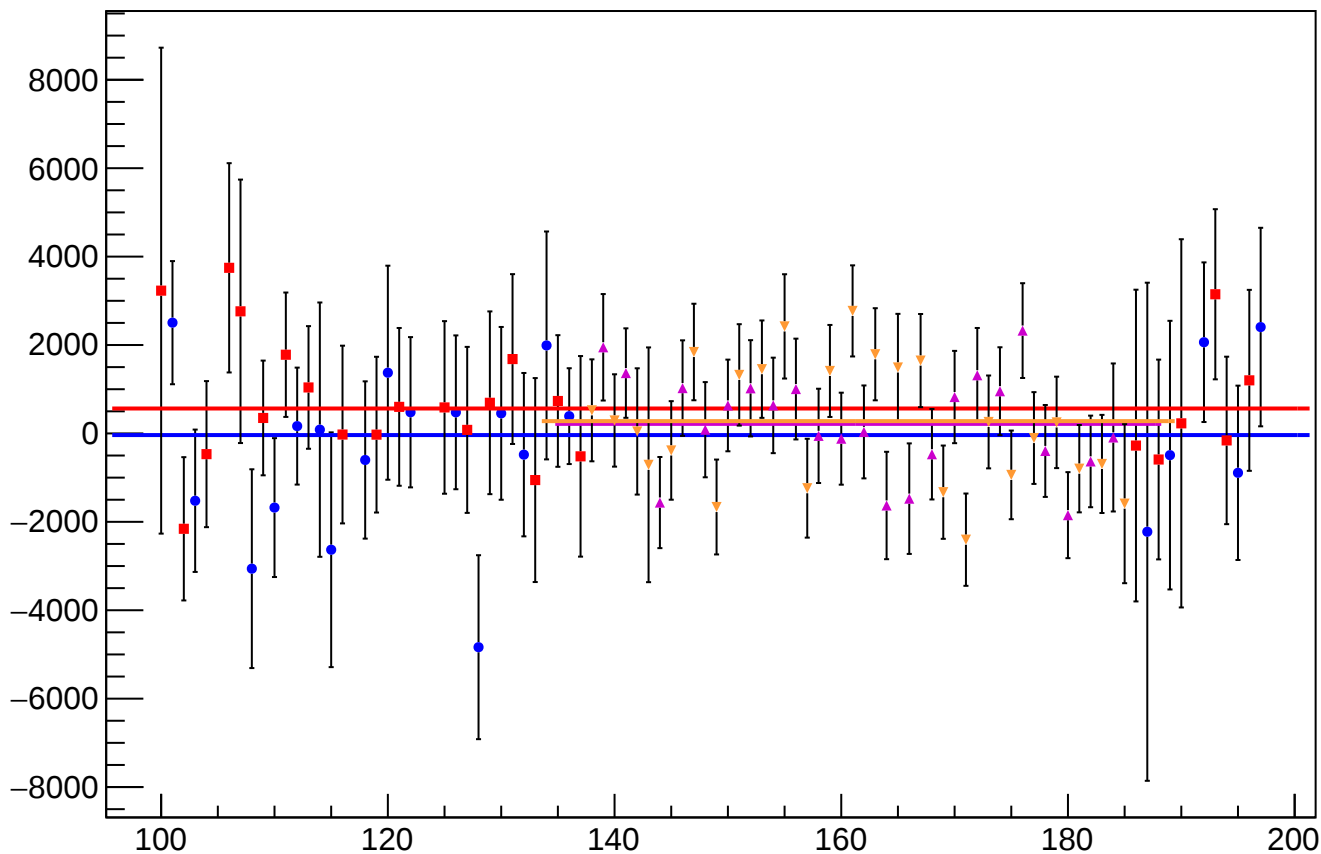
Left In: 506.380 $\pm$ 0.086 χ^2 /NDF: 436294.4/22

+ sign 552.028 $\pm$ 0.077 χ^2 /NDF: 5042150.3/45

All: 553.292 $\pm$ 0.055 χ^2 /NDF: 11194841.6/92

- sign 554.582 $\pm$ 0.078 χ^2 /NDF: 6152151.7/46

asym_us_dd_mean vs Slug



Right In: -37.165 ± 401.926 χ^2/NDF : 17.8/20

Left Out: 278.090 ± 223.581 χ^2/NDF : 38.4/24

Right Out: 563.844 ± 389.866 χ^2/NDF : 10.4/23

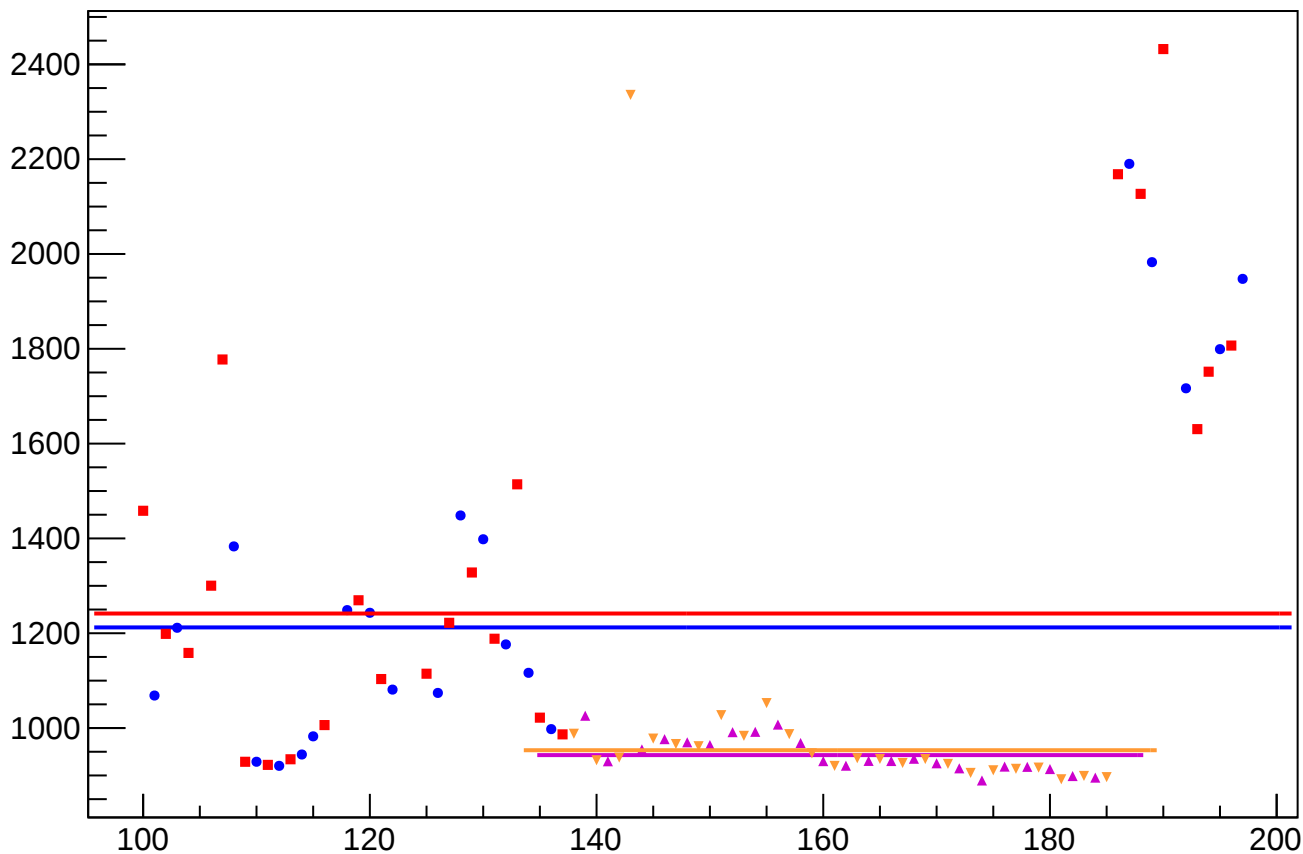
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

+ sign 203.591 ± 195.385 χ^2/NDF : 56.7/45

All: 253.500 ± 138.116 χ^2/NDF : 92.2/92

- sign 303.348 ± 195.265 χ^2/NDF : 35.4/46

asym_us_dd_rms vs Slug



Right In: 1212.289+/-0.284 χ^2/NDF : 1115588.7/20

Left Out: 953.221+/-0.158 χ^2/NDF : 606273.1/24

Right Out: 1241.586+/-0.276 χ^2/NDF : 1530935.1/23

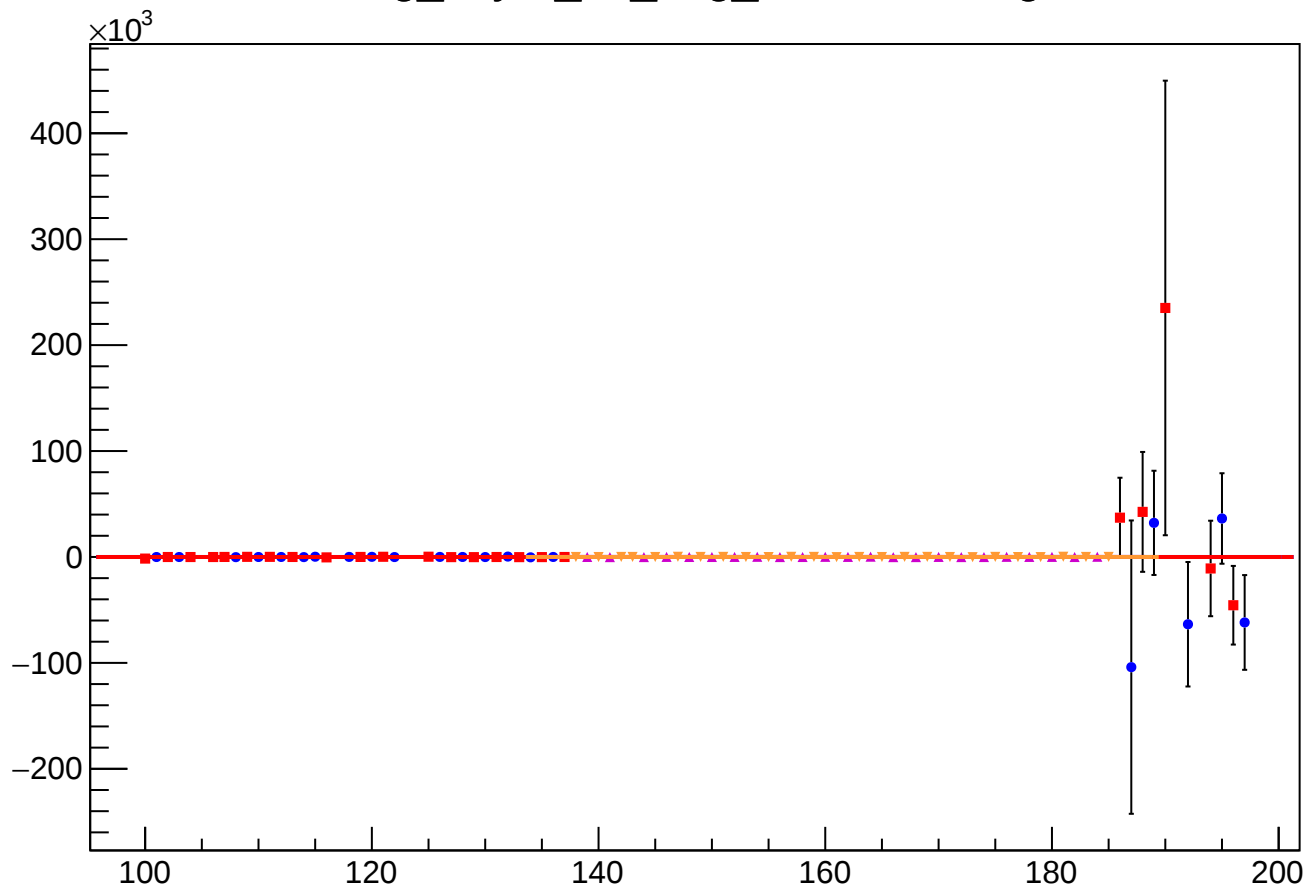
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1014.443+/-0.138 χ^2/NDF : 2356432.2/45

All: 1016.145+/-0.098 χ^2/NDF : 4815340.0/92

- sign 1017.846+/-0.138 χ^2/NDF : 2458604.3/46

reg_asym_ds_avg_mean vs Slug



Right In: -15.571 ± 30.032 χ^2/NDF : 20.7/20

Left Out: 4.556 ± 20.959 χ^2/NDF : 22.5/24

Right Out: -31.749 ± 30.492 χ^2/NDF : 21.1/22

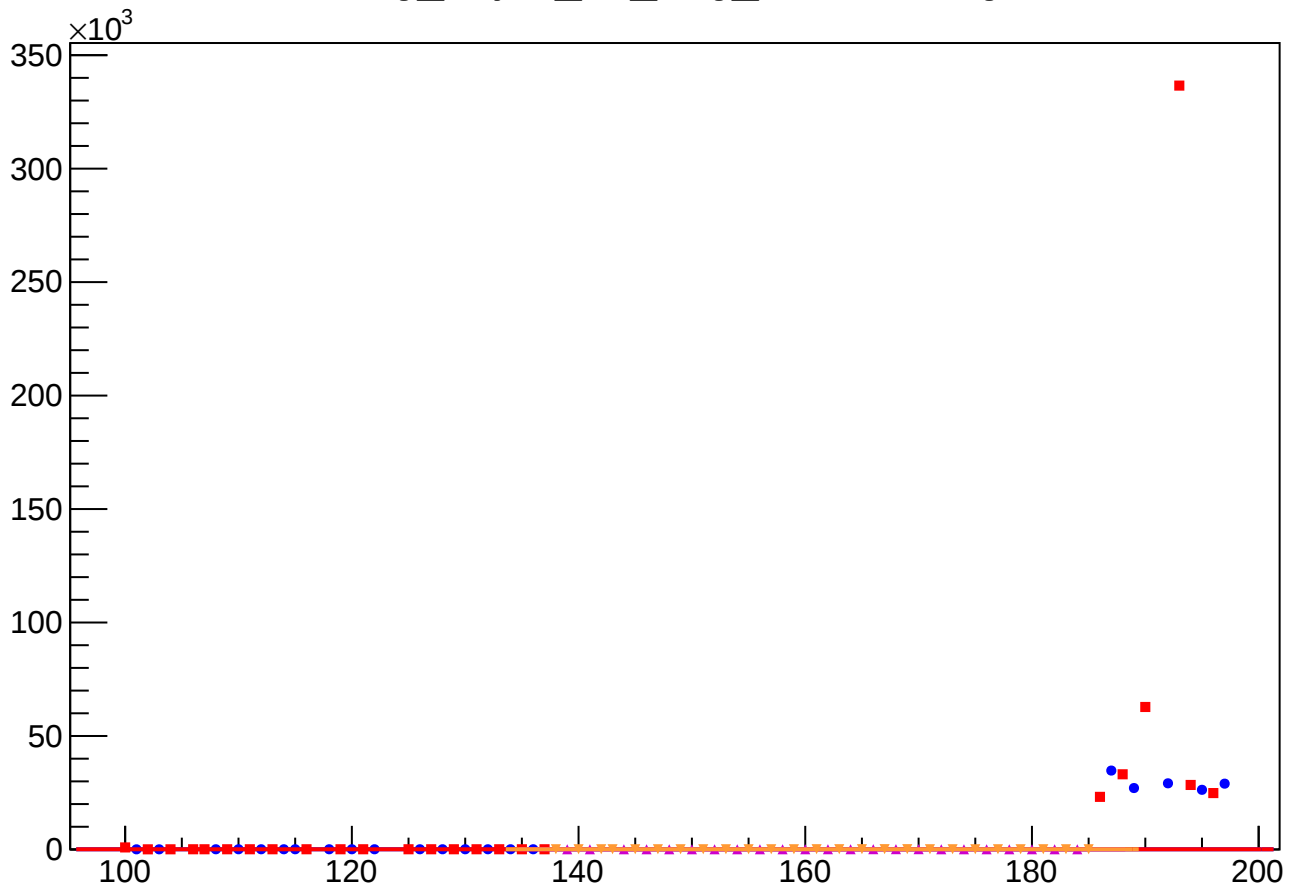
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.036 ± 17.187 χ^2/NDF : 43.5/45

All: 1.238 ± 12.302 χ^2/NDF : 89.3/91

- sign 4.678 ± 17.617 χ^2/NDF : 45.7/45

reg_asym_ds_avg_rms vs Slug



Right In: 76.099 $\pm$ 0.021 χ^2 /NDF: 3238689.2/20

Left Out: 89.483 $\pm$ 0.015 χ^2 /NDF: 470330.2/24

Right Out: 79.427 $\pm$ 0.022 χ^2 /NDF: 3752458.0/23

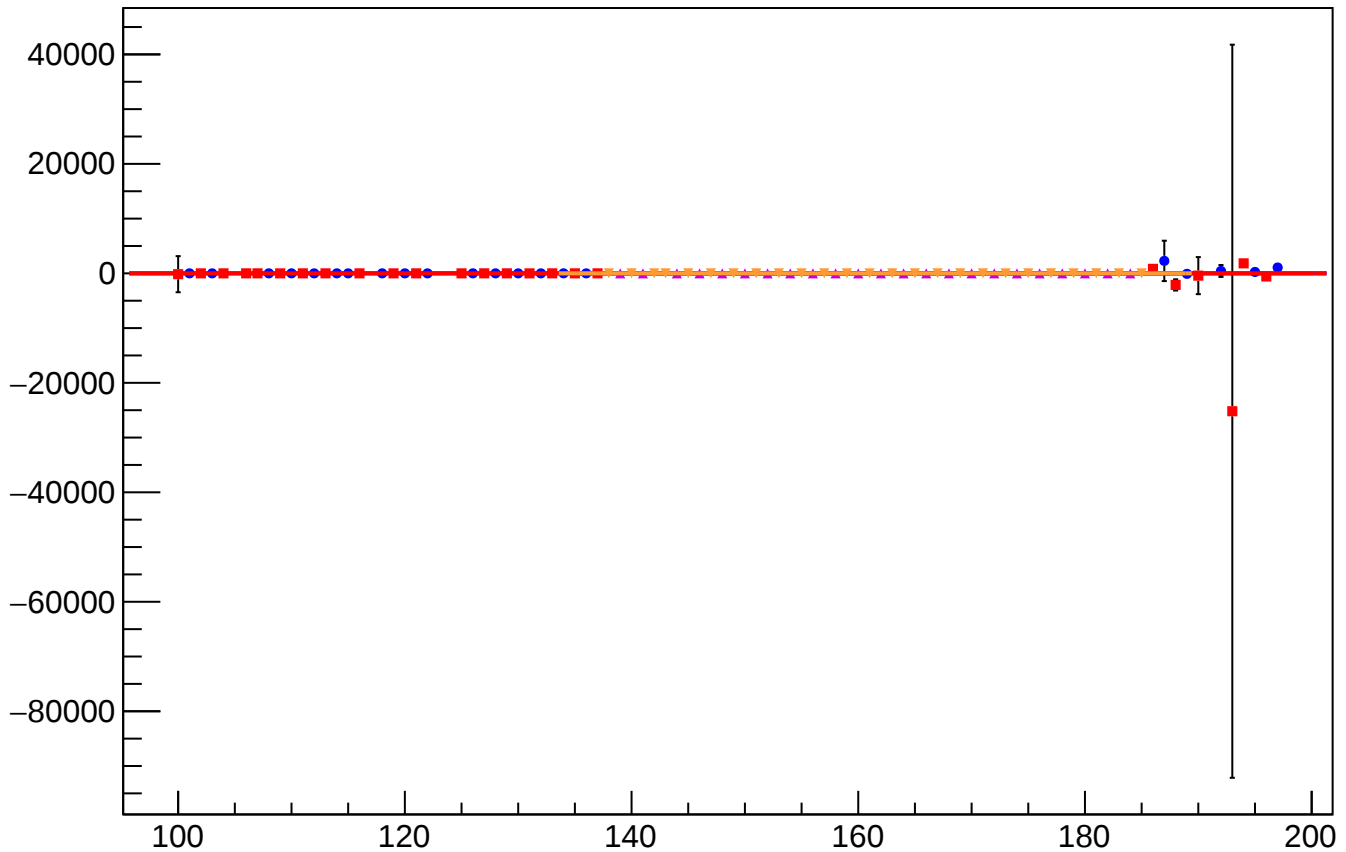
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.100 $\pm$ 0.012 χ^2 /NDF: 3976147.2/45

All: 85.637 $\pm$ 0.009 χ^2 /NDF: 8389291.9/92

- sign 86.201 $\pm$ 0.012 χ^2 /NDF: 4409137.9/46

asym_ds_avg_correction_mean vs Slug



Right In: -0.289 ± 0.502 χ^2/NDF : 22.9/20

Left Out: 0.134 ± 0.367 χ^2/NDF : 21.3/24

Right Out: -0.038 ± 0.525 χ^2/NDF : 20.3/23

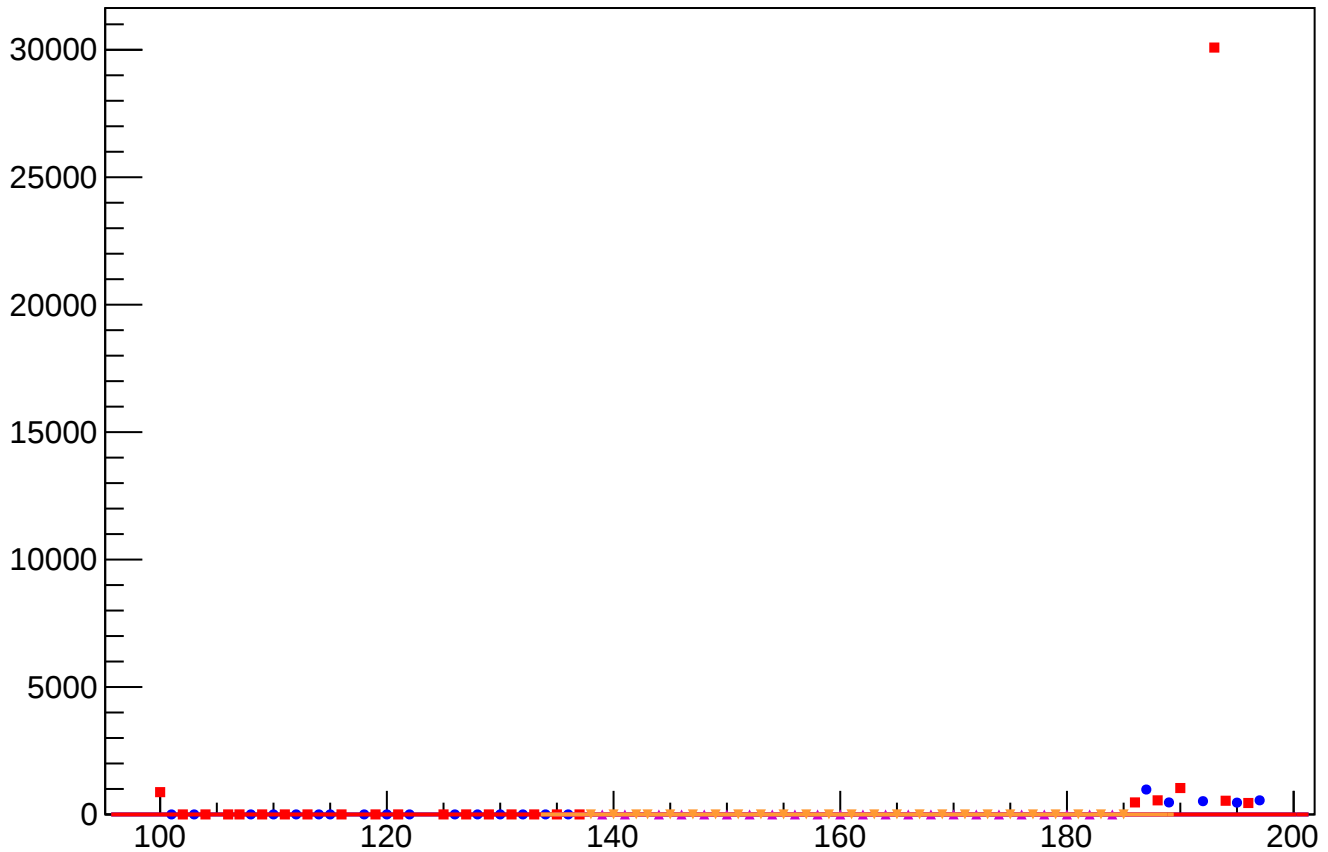
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.014 ± 0.296 χ^2/NDF : 44.8/45

All: 0.146 ± 0.215 χ^2/NDF : 92.7/92

- sign 0.323 ± 0.312 χ^2/NDF : 47.4/46

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 3008195.5/20

Left Out: 1.404+/-0.000 χ^2/NDF : 992478.0/24

Right Out: 1.260+/-0.000 χ^2/NDF : 3864223.9/23

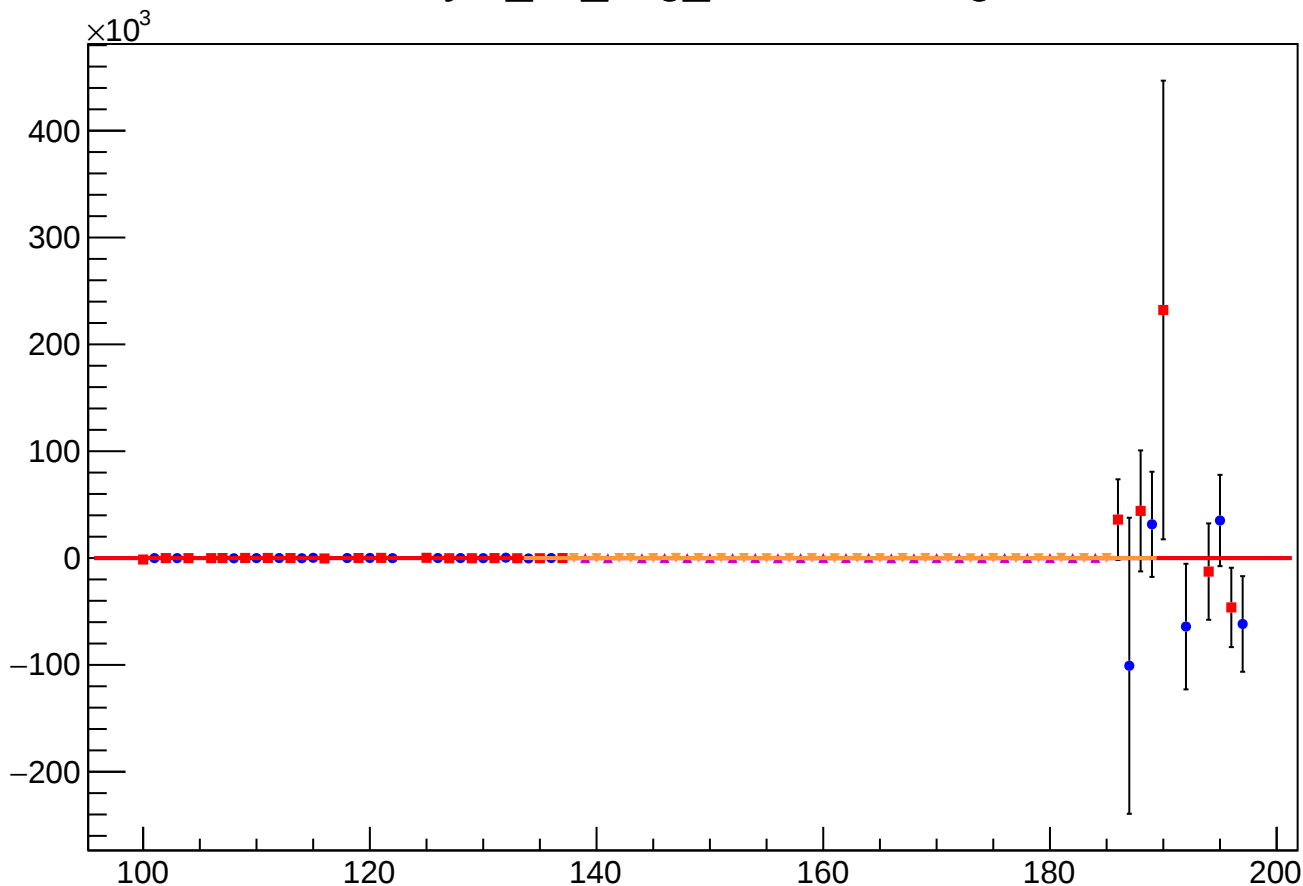
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 4327902.0/45

All: 1.349+/-0.000 χ^2/NDF : 9414818.3/92

- sign 1.385+/-0.000 χ^2/NDF : 5035845.5/46

asym_ds_avg_mean vs Slug



Right In: -14.507 ± 30.040 χ^2/NDF : 20.9/20

Left Out: 4.417 ± 20.966 χ^2/NDF : 22.1/24

Right Out: -32.029 ± 30.500 χ^2/NDF : 21.1/22

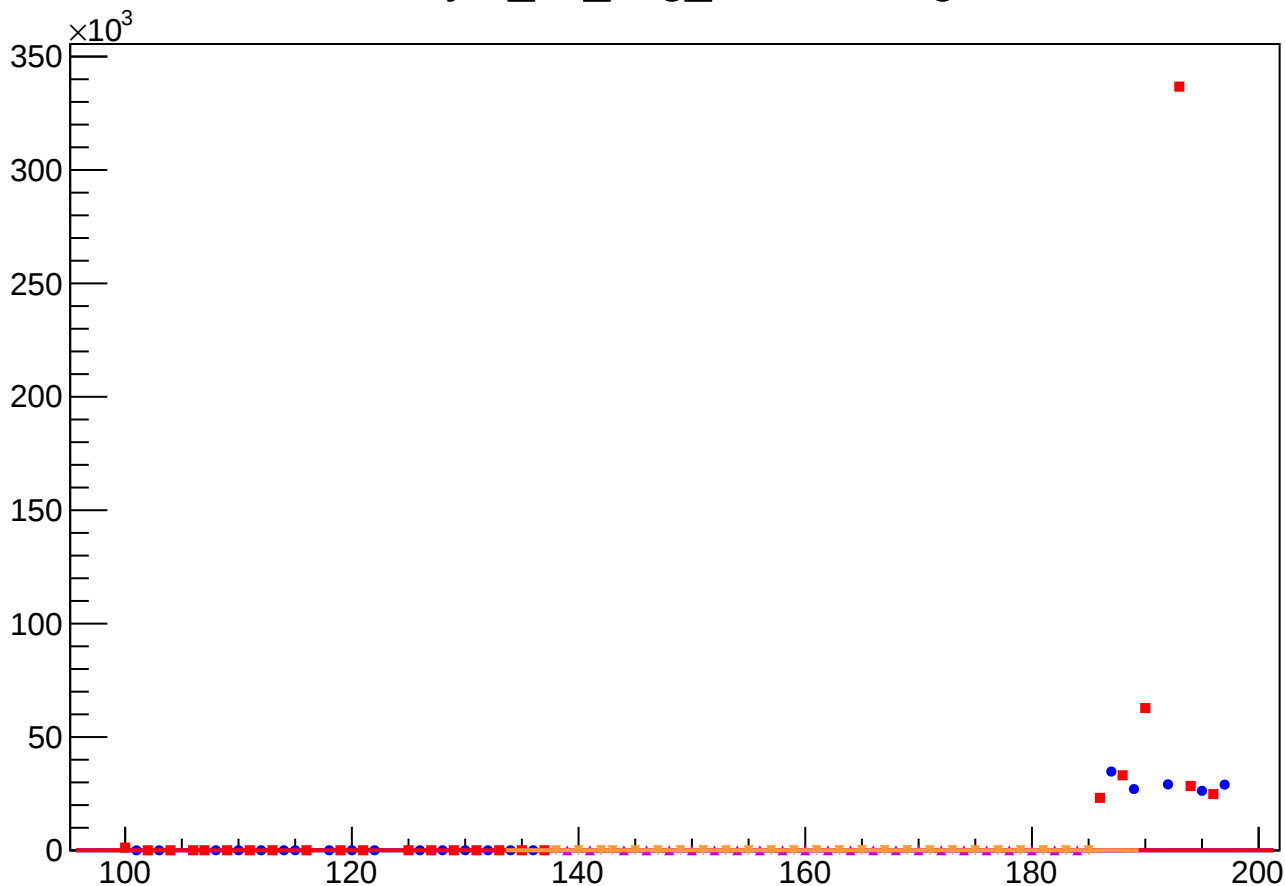
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -1.781 ± 17.192 χ^2/NDF : 43.3/45

All: 1.165 ± 12.306 χ^2/NDF : 89.0/91

- sign 4.260 ± 17.623 χ^2/NDF : 45.6/45

asym_ds_avg_rms vs Slug



Right In: 76.119 ± 0.021 χ^2/NDF : 3238744.1/20

Left Out: 89.510 ± 0.015 χ^2/NDF : 471081.1/24

Right Out: 79.431 ± 0.022 χ^2/NDF : 3759019.8/23

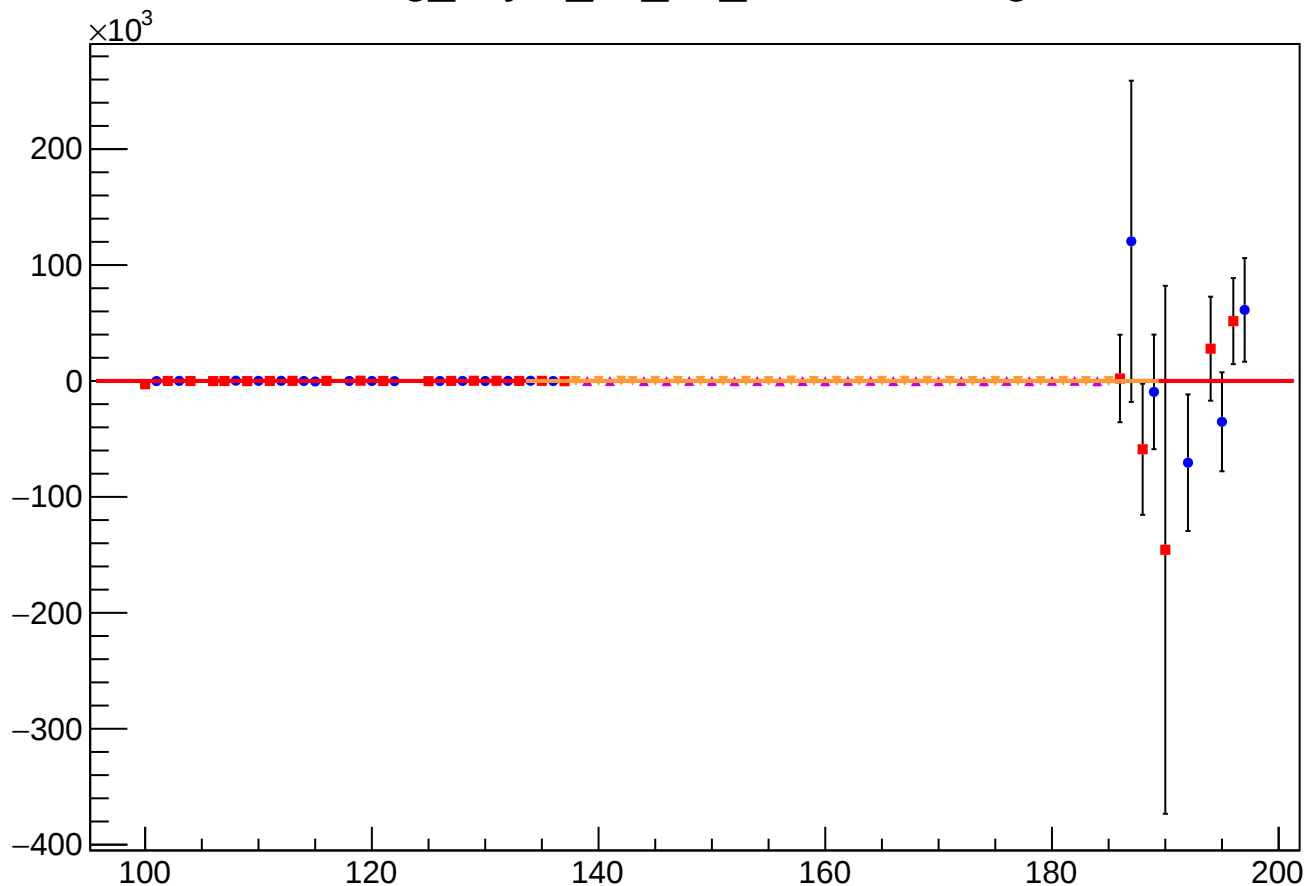
Left In: 89.622 ± 0.015 χ^2/NDF : 509391.8/22

+ sign 85.123 ± 0.012 χ^2/NDF : 3977071.8/45

All: 85.658 ± 0.009 χ^2/NDF : 8398210.6/92

- sign 86.220 ± 0.012 χ^2/NDF : 4417172.5/46

reg_asym_ds_dd_mean vs Slug



Right In: 8.107 ± 30.012 χ^2/NDF : 18.8/20

Left Out: 9.877 ± 20.965 χ^2/NDF : 18.5/24

Right Out: 25.803 ± 30.473 χ^2/NDF : 16.6/22

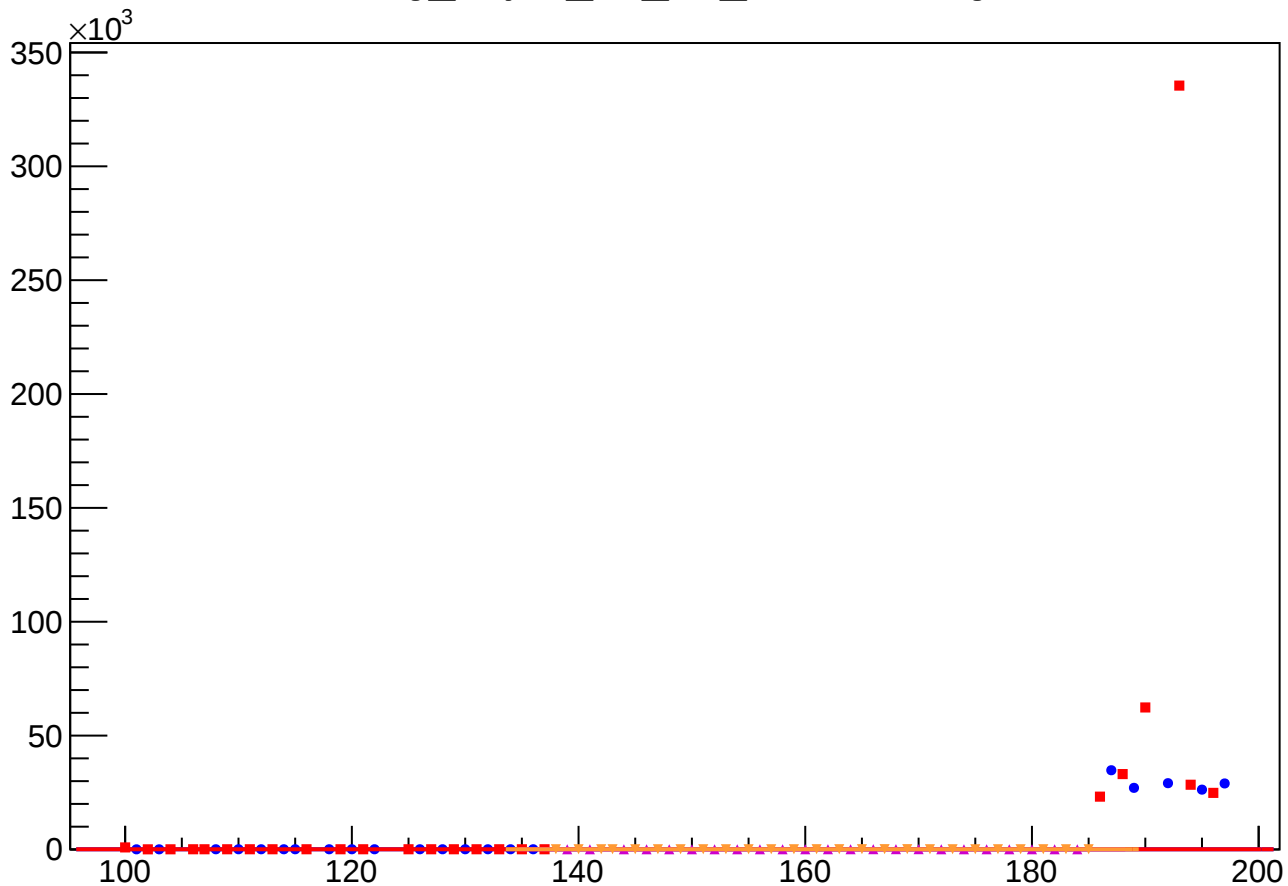
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 9.297 ± 17.187 χ^2/NDF : 37.3/45

All: -5.126 ± 12.303 χ^2/NDF : 90.3/91

- sign -20.283 ± 17.618 χ^2/NDF : 51.5/45

reg_asym_ds_dd_rms vs Slug



Right In: 76.050 $\pm$ 0.021 χ^2 /NDF: 3237834.8/20

Left Out: 89.507 $\pm$ 0.015 χ^2 /NDF: 468988.9/24

Right Out: 79.379 $\pm$ 0.022 χ^2 /NDF: 3751966.4/23

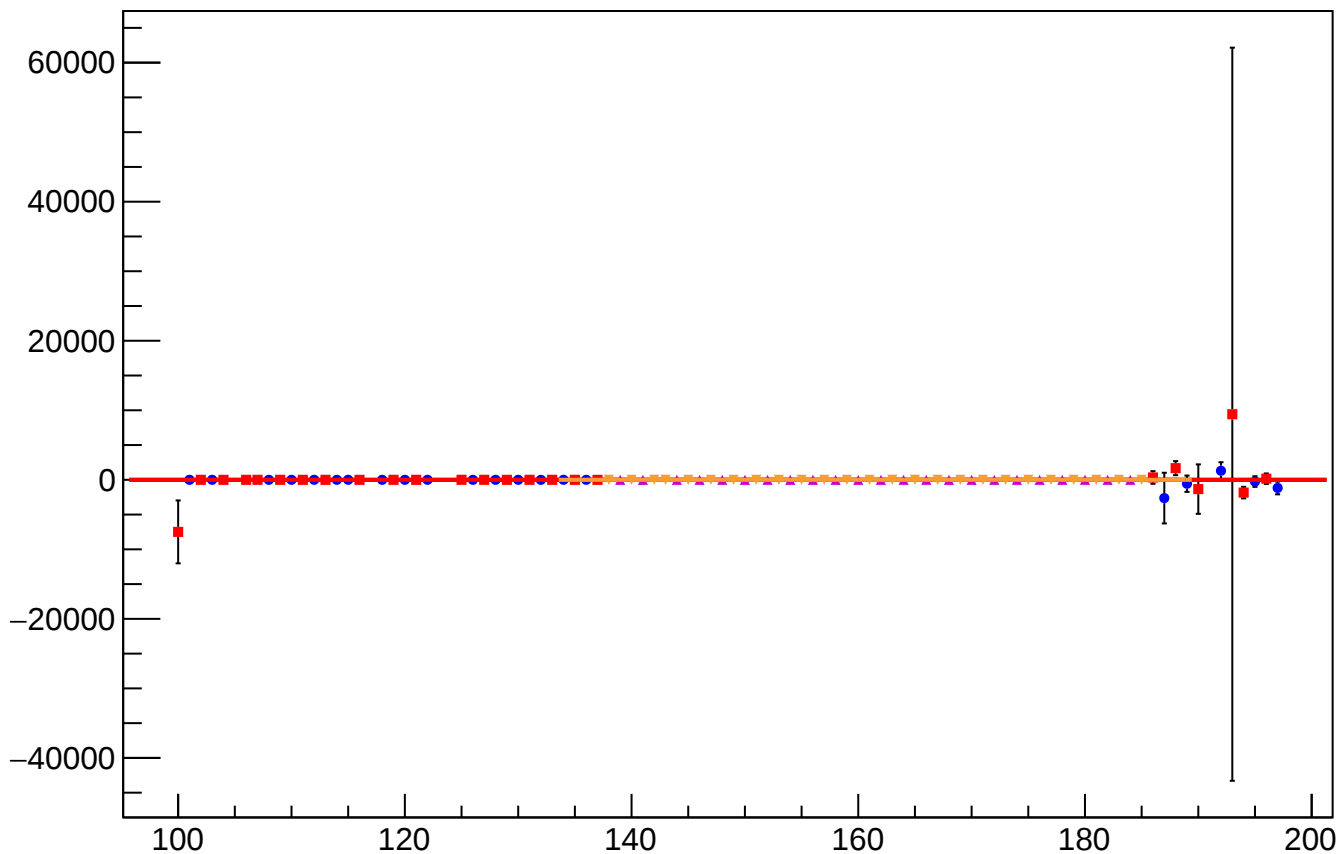
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.094 $\pm$ 0.012 χ^2 /NDF: 3977082.1/45

All: 85.634 $\pm$ 0.009 χ^2 /NDF: 8394754.8/92

- sign 86.202 $\pm$ 0.012 χ^2 /NDF: 4413622.2/46

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 15.5/20

Left Out: -0.517 ± 0.382 χ^2/NDF : 20.7/24

Right Out: -0.348 ± 0.549 χ^2/NDF : 21.5/23

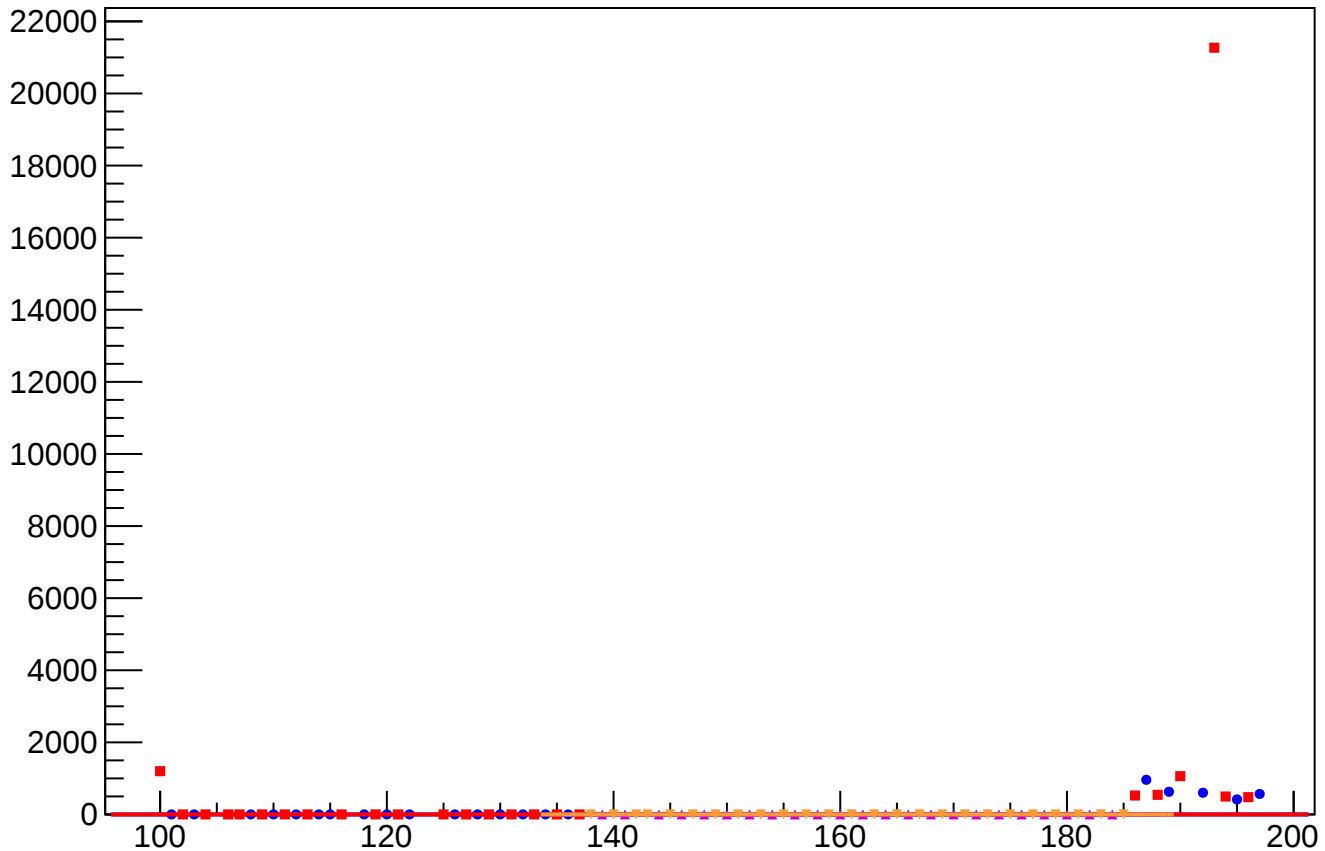
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.037 ± 0.310 χ^2/NDF : 40.9/45

All: -0.053 ± 0.222 χ^2/NDF : 83.1/92

- sign -0.069 ± 0.318 χ^2/NDF : 42.2/46

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 3158675.5/20

Left Out: 1.472+/-0.000 χ^2/NDF : 1156063.1/24

Right Out: 1.316+/-0.000 χ^2/NDF : 3808623.0/23

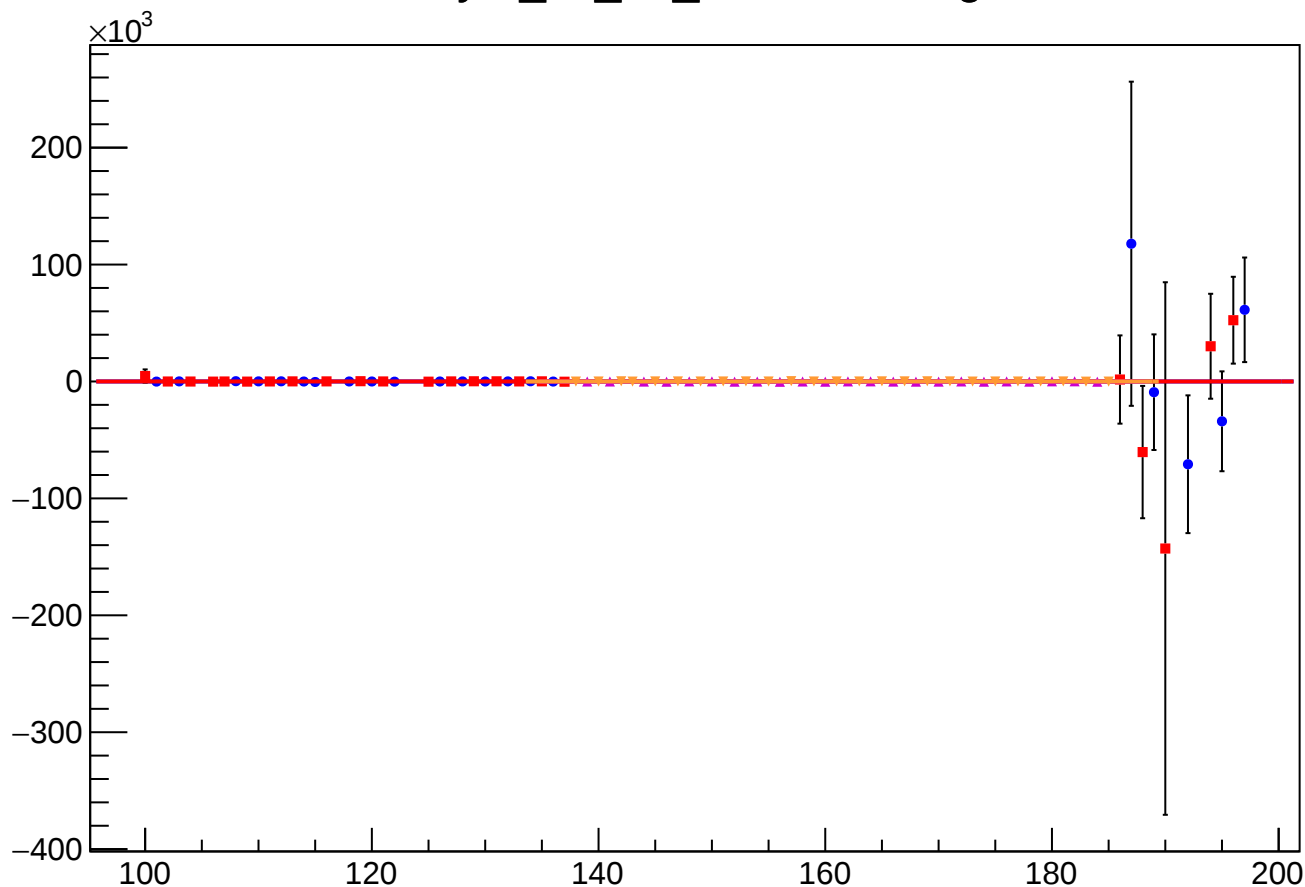
Left In: 1.461+/-0.000 χ^2/NDF : 1048537.6/22

+ sign 1.391+/-0.000 χ^2/NDF : 4580507.3/45

All: 1.401+/-0.000 χ^2/NDF : 9534929.3/92

- sign 1.412+/-0.000 χ^2/NDF : 4949766.5/46

asym_ds_dd_mean vs Slug



Right In: 7.401 ± 30.020 χ^2/NDF : 18.6/20

Left Out: 10.423 ± 20.971 χ^2/NDF : 18.4/24

Right Out: 26.414 ± 30.482 χ^2/NDF : 17.0/22

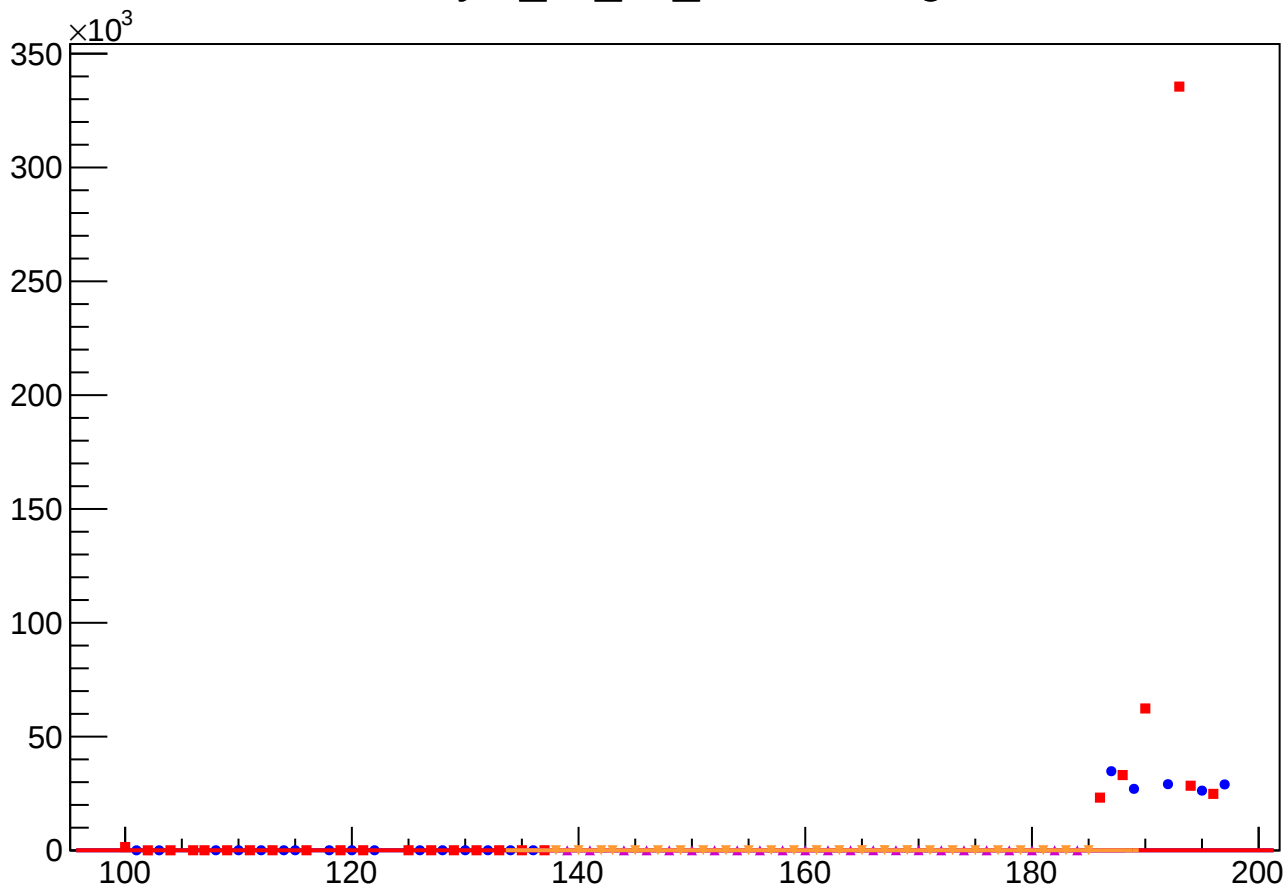
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 9.432 ± 17.192 χ^2/NDF : 37.0/45

All: -5.113 ± 12.306 χ^2/NDF : 90.1/91

- sign -20.398 ± 17.624 χ^2/NDF : 51.6/45

asym_ds_dd_rms vs Slug



Right In: 76.070 $\pm$ 0.021 χ^2/NDF : 3237926.6/20

Left Out: 89.535 $\pm$ 0.015 χ^2/NDF : 469743.0/24

Right Out: 79.375 $\pm$ 0.022 χ^2/NDF : 3761237.9/23

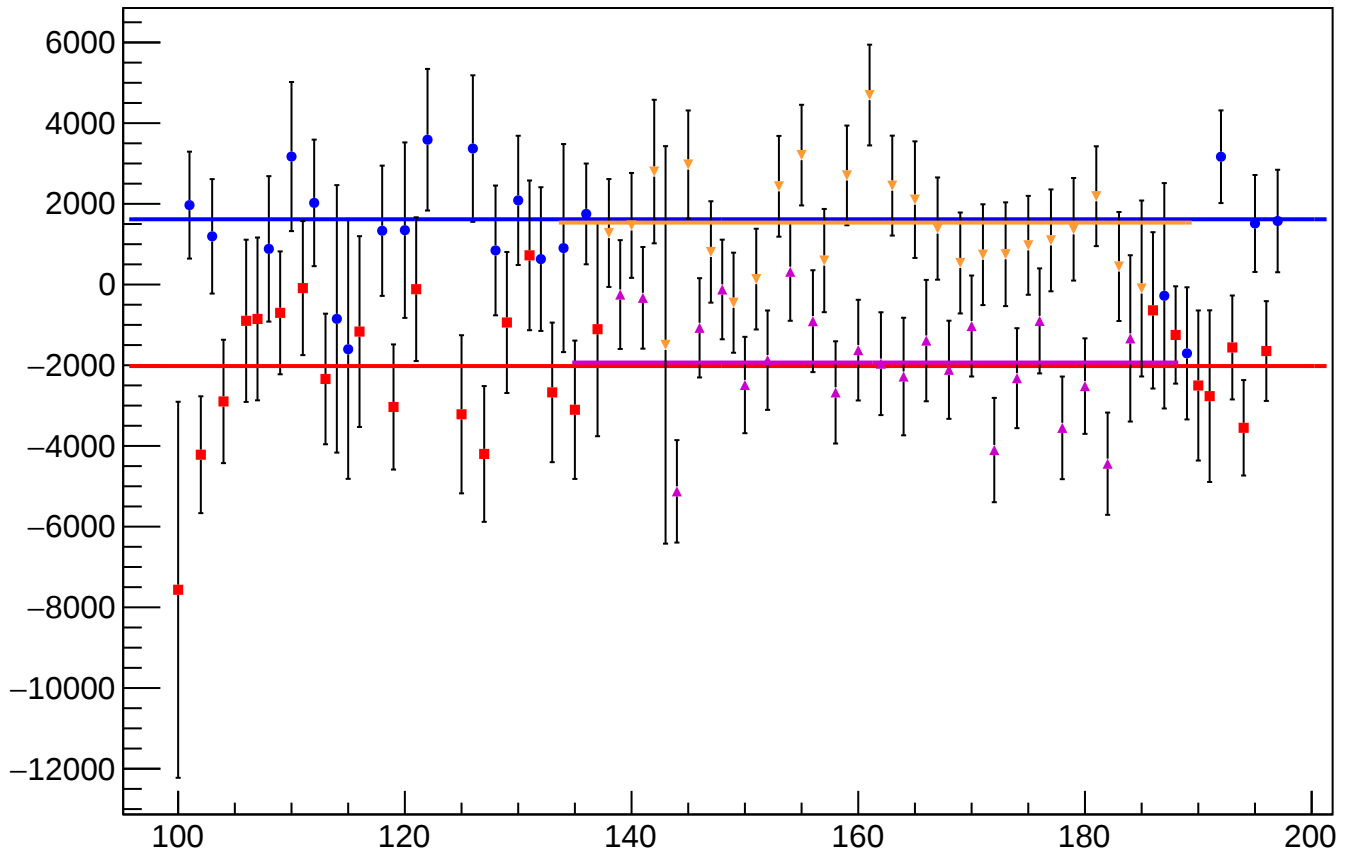
Left In: 89.655 $\pm$ 0.015 χ^2/NDF : 511848.9/22

+ sign 85.119 $\pm$ 0.012 χ^2/NDF : 3978046.4/45

All: 85.655 $\pm$ 0.009 χ^2/NDF : 8406531.4/92

- sign 86.218 $\pm$ 0.012 χ^2/NDF : 4424496.4/46

reg_asym_usl_mean vs Slug



Right In: 1617.354 $\pm$ 354.860 χ^2 /NDF: 12.0/20

Left Out: 1535.246 $\pm$ 265.882 χ^2 /NDF:20.4/24

Right Out: -2020.358 $\pm$ 333.089 χ^2 /NDF: 16.8/24

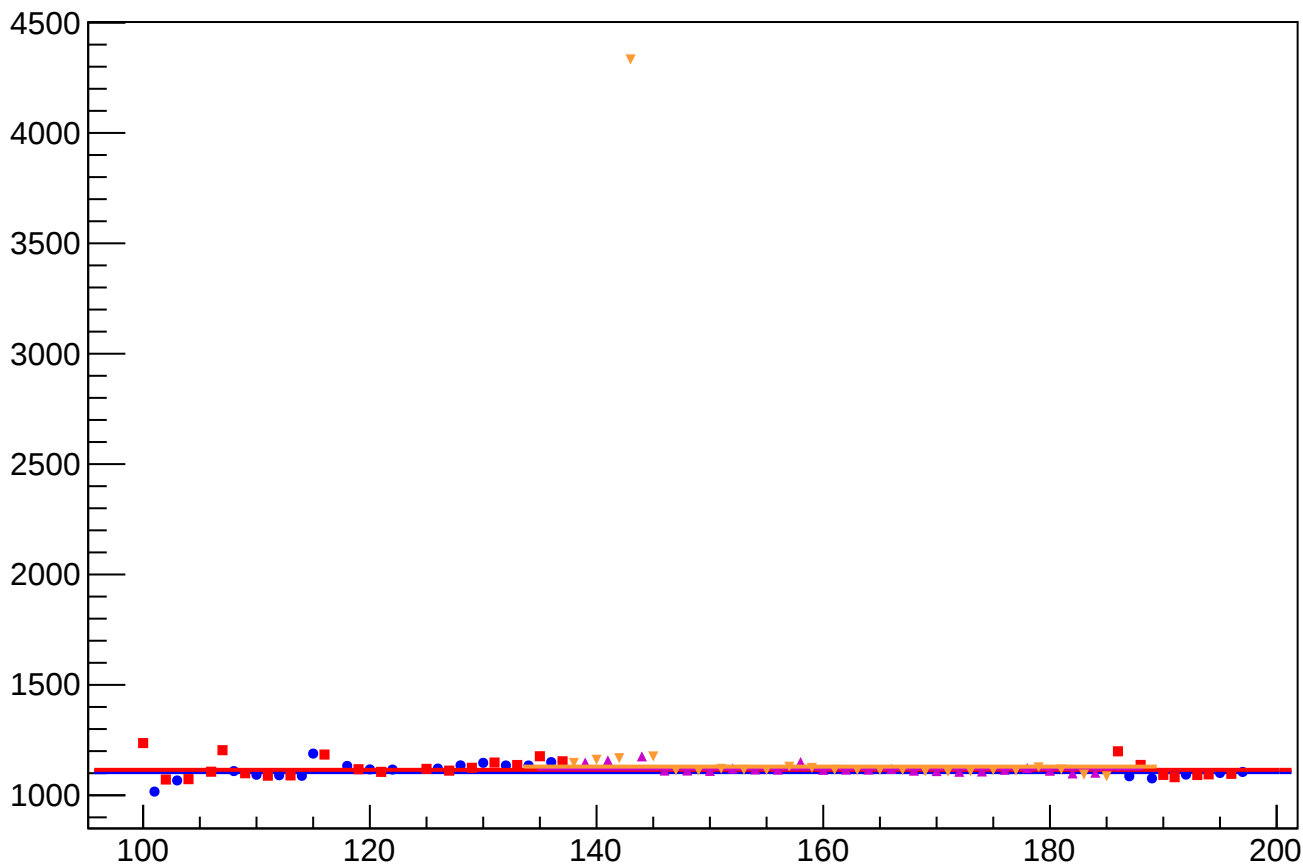
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF:27.0/22

+ sign 1564.767 $\pm$ 212.781 χ^2 /NDF: 32.4/45

All: -234.569 $\pm$ 149.034 χ^2 /NDF: 216.6/93

- sign -1967.330 $\pm$ 208.808 χ^2 /NDF: 43.8/47

reg_asym_usl_rms vs Slug



Right In: 1104.820 $\pm$ 0.251 χ^2 /NDF: 19344.0/20

Left Out: 1129.901 $\pm$ 0.188 χ^2 /NDF: 858259.9/24

Right Out: 1115.288 $\pm$ 0.236 χ^2 /NDF: 22530.7/24

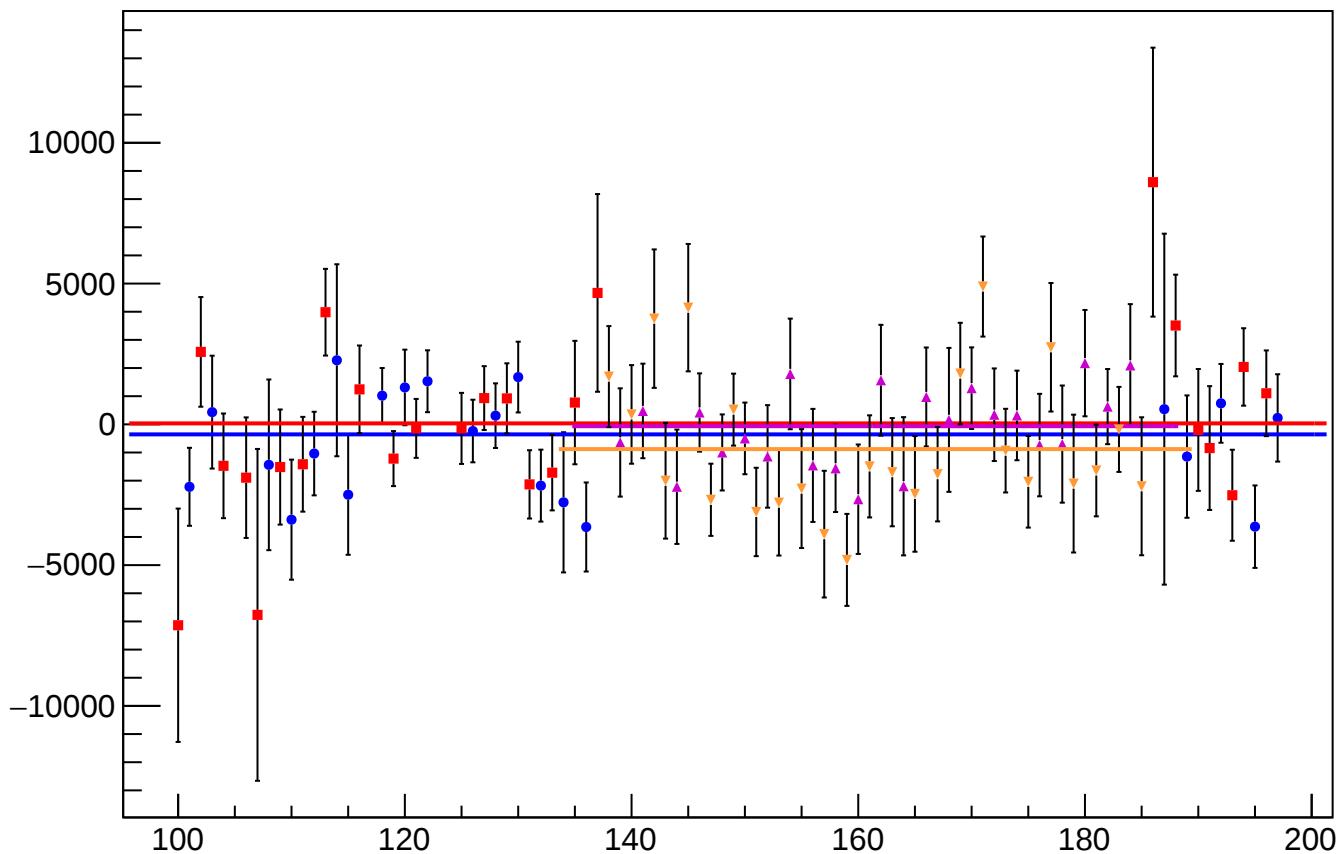
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF: 9641.8/22

+ sign 1120.883 $\pm$ 0.150 χ^2 /NDF: 884002.6/45

All: 1119.797 $\pm$ 0.105 χ^2 /NDF: 916633.4/93

- sign 1118.750 $\pm$ 0.148 χ^2 /NDF: 32528.3/47

asym_usl_correction_mean vs Slug



Right In: -356.175 ± 328.211 χ^2/NDF : 28.6/20

Left Out: -879.685 ± 355.692 χ^2/NDF : 43.5/24

Right Out: 34.458 ± 317.244 χ^2/NDF : 37.8/24

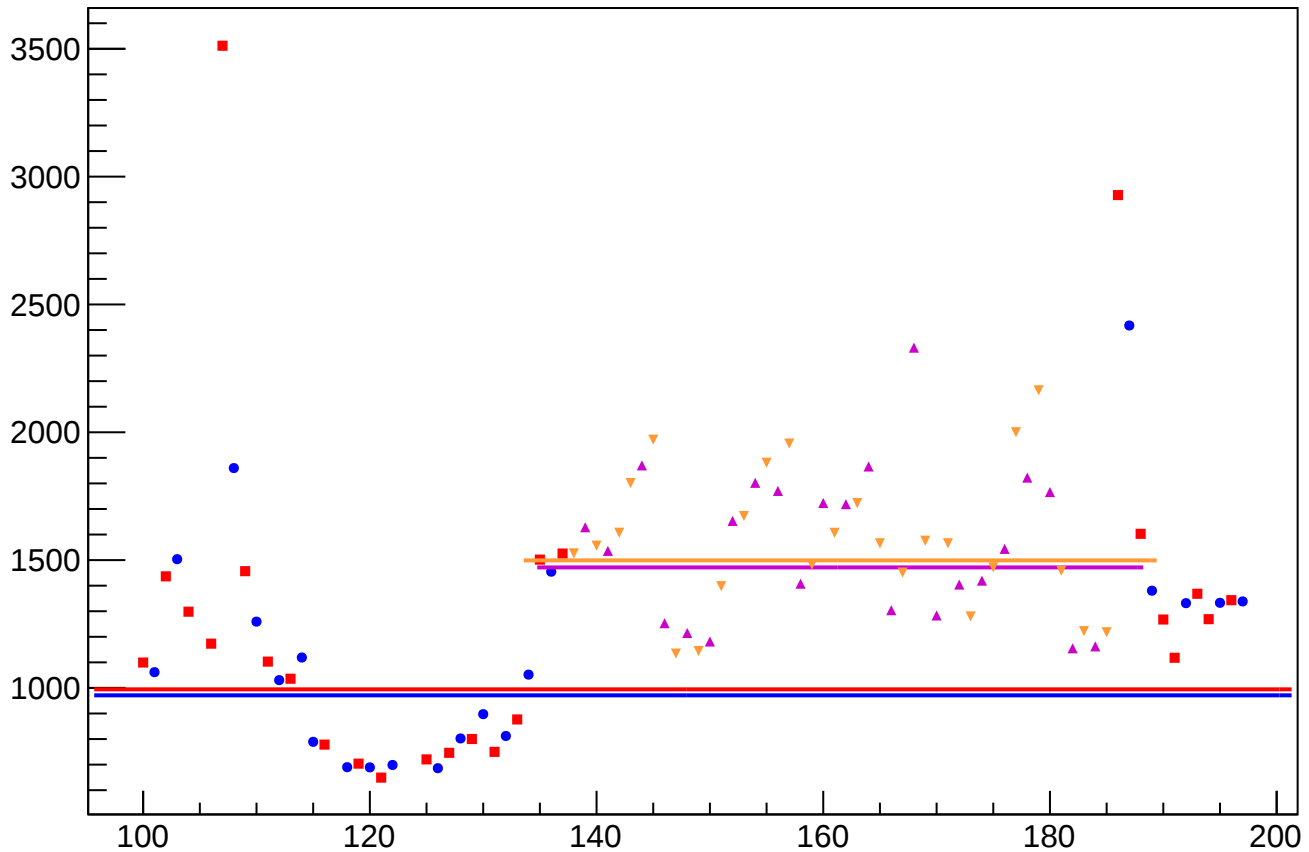
Left In: -65.738 ± 358.785 χ^2/NDF : 12.1/22

+ sign -596.928 ± 241.211 χ^2/NDF : 73.3/45

All: -298.863 ± 169.293 χ^2/NDF : 126.3/93

- sign -9.506 ± 237.662 χ^2/NDF : 50.0/47

asym_usl_correction_rms vs Slug



Right In: 971.068 $\pm$ 0.232 χ^2 /NDF: 1701962.8/20

Left Out: 1498.849 $\pm$ 0.252 χ^2 /NDF:1053906.2/24

Right Out: 994.488 $\pm$ 0.224 χ^2 /NDF: 2455001.3/24

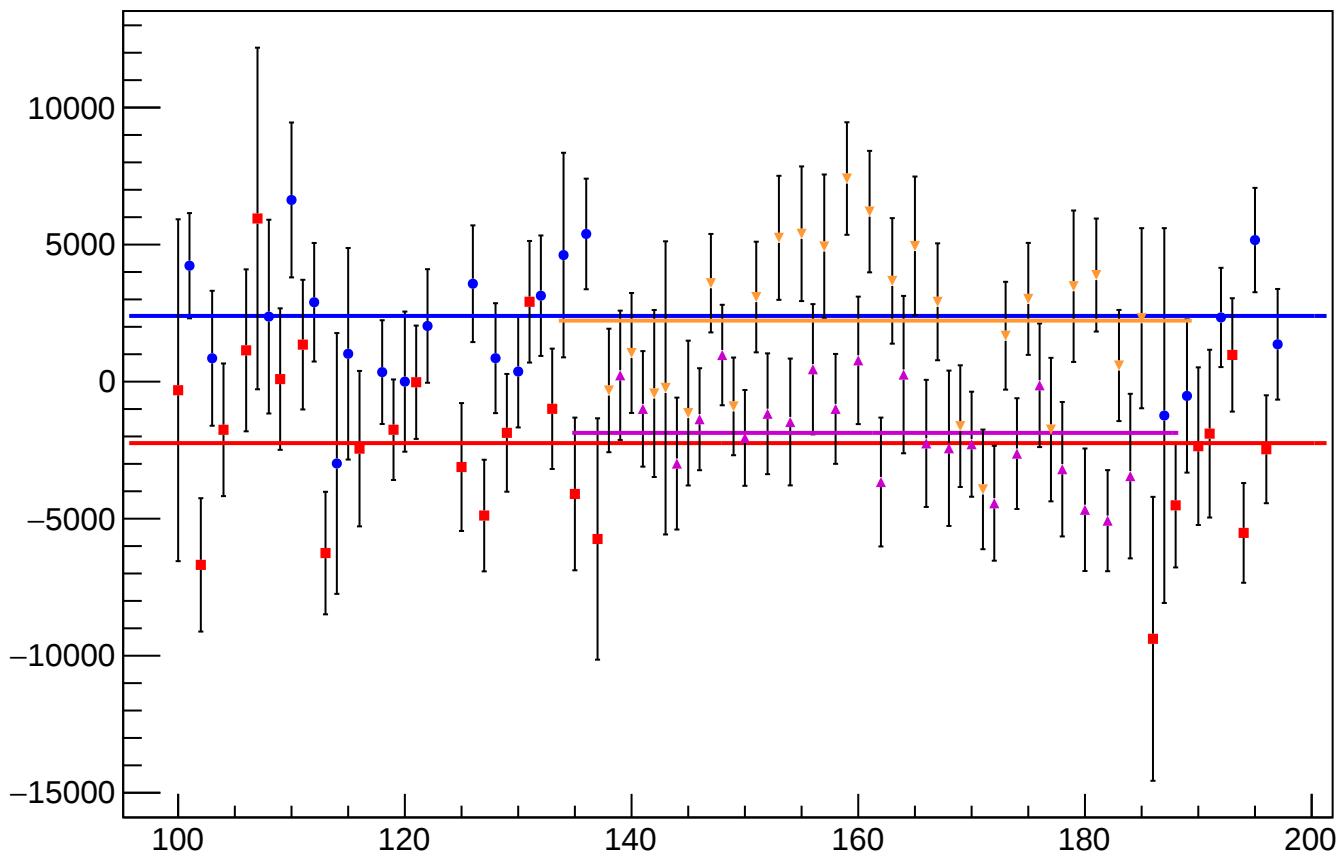
Left In: 1471.394 $\pm$ 0.254 χ^2 /NDF:1105310.5/22

+ sign 1213.785 $\pm$ 0.171 χ^2 /NDF: 5134229.0/45

All: 1208.691 $\pm$ 0.120 χ^2 /NDF: 10679458.2/9

- sign 1203.745 $\pm$ 0.168 χ^2 /NDF: 5543471.2/47

asym_usl_mean vs Slug



Right In: 2397.399 ± 510.245 $\chi^2/\text{NDF}: 15.4/20$

Left Out: 2226.533 ± 454.821 $\chi^2/\text{NDF}: 38.8/24$

Right Out: -2242.625 ± 489.351 $\chi^2/\text{NDF}: 31.3/24$

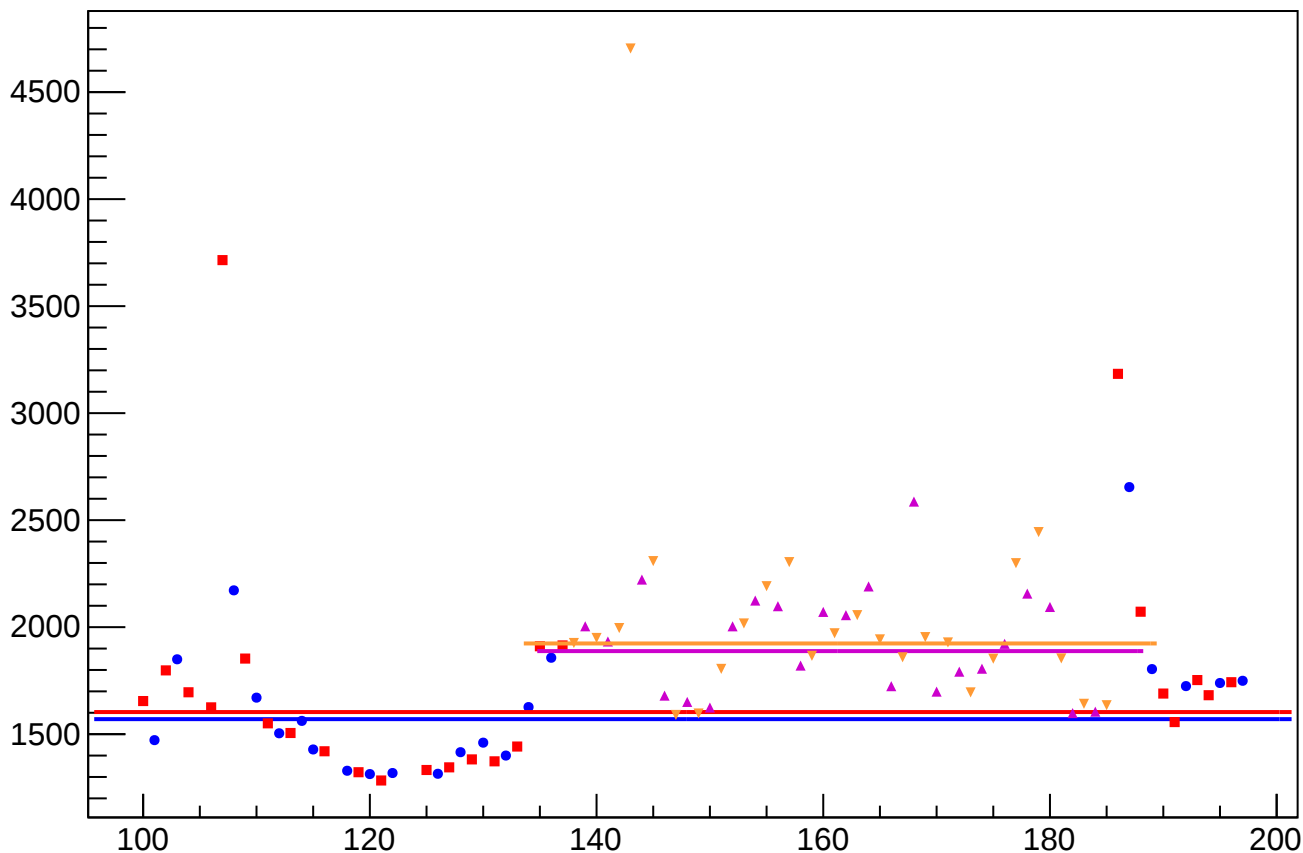
Left In: -1869.792 ± 455.465 $\chi^2/\text{NDF}: 14.9/22$

+ sign 2302.185 ± 339.518 $\chi^2/\text{NDF}: 54.2/45$

All: 90.160 ± 237.882 $\chi^2/\text{NDF}: 184.1/93$

- sign -2042.854 ± 333.399 $\chi^2/\text{NDF}: 46.5/47$

asym_usl_rms vs Slug



Right In: 1570.214 ± 0.361 χ^2/NDF : 387820.1/20

Left Out: 1923.833 ± 0.322 χ^2/NDF : 1006152.2/24

Right Out: 1603.355 ± 0.346 χ^2/NDF : 817643.7/24

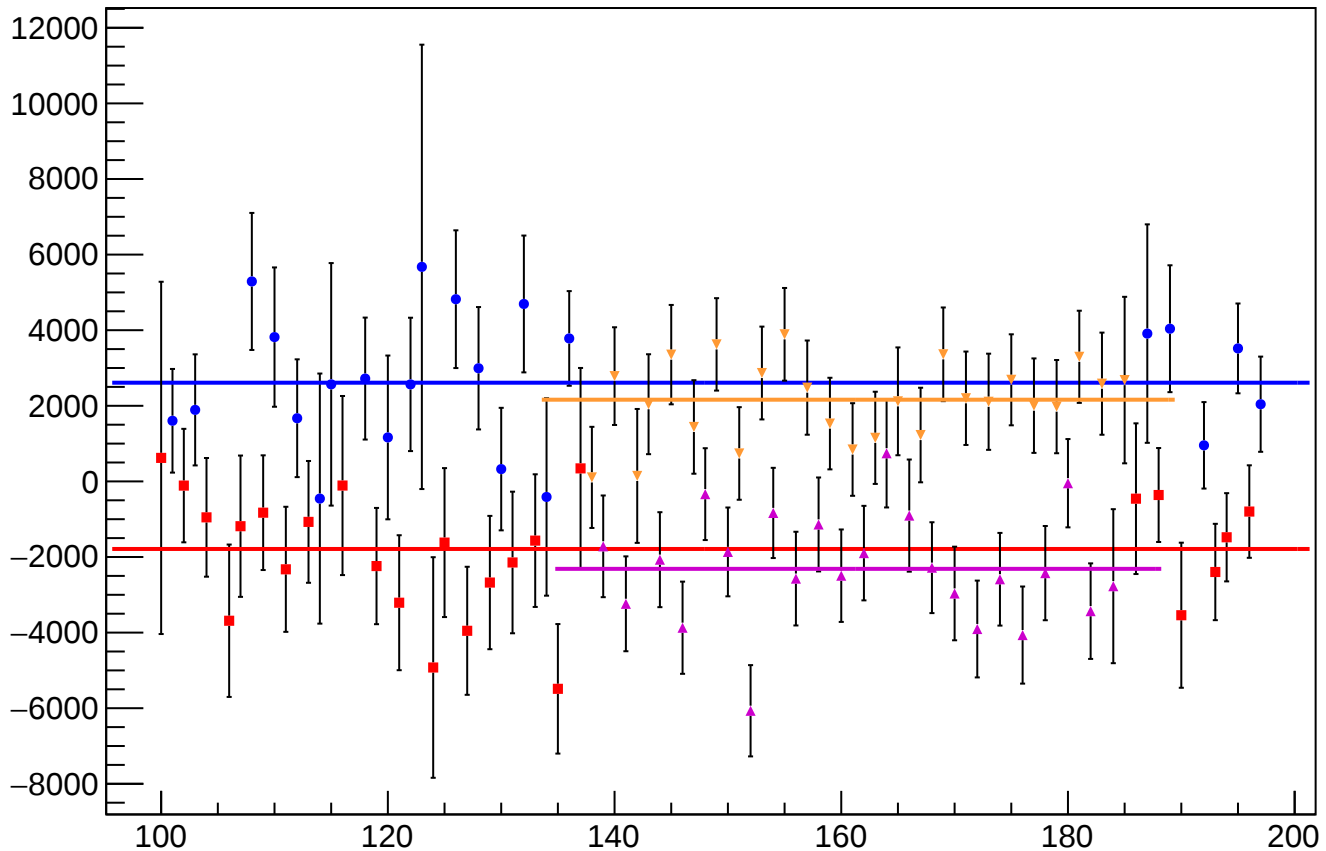
Left In: 1888.121 ± 0.322 χ^2/NDF : 504568.6/22

+ sign 1767.266 ± 0.240 χ^2/NDF : 1929258.3/45

All: 1761.499 ± 0.168 χ^2/NDF : 3615502.7/93

- sign 1755.938 ± 0.236 χ^2/NDF : 1685111.0/47

reg_asym_usr_mean vs Slug



Right In: 2610.935 $\pm$ 356.376 χ^2 /NDF: 16.2/21

Left Out: 2161.427 $\pm$ 257.518 χ^2 /NDF:15.1/24

Right Out: -1787.455 $\pm$ 336.082 χ^2 /NDF: 16.7/24

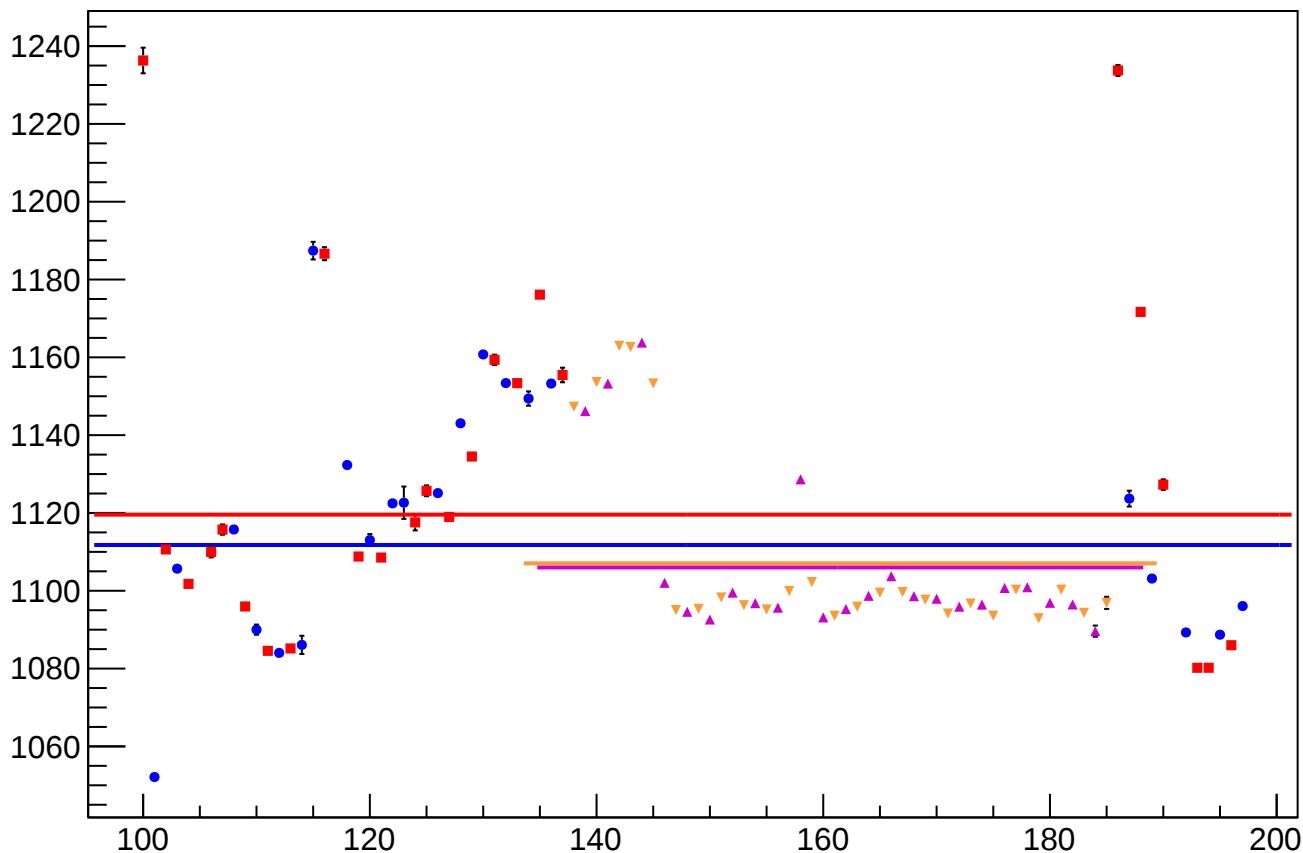
Left In: -2313.505 $\pm$ 264.429 χ^2 /NDF:31.3/22

+ sign 2315.624 $\pm$ 208.727 χ^2 /NDF: 32.3/46

All: 91.944 $\pm$ 147.269 χ^2 /NDF: 307.8/94

- sign -2112.367 $\pm$ 207.816 χ^2 /NDF: 49.5/47

reg_asym_usr_rms vs Slug



Right In: 1111.767 $\pm$ 0.252 χ^2 /NDF: 14653.6/21

Left Out: 1107.057 $\pm$ 0.182 χ^2 /NDF:15175.6/24

Right Out: 1119.568 $\pm$ 0.238 χ^2 /NDF: 25854.2/24

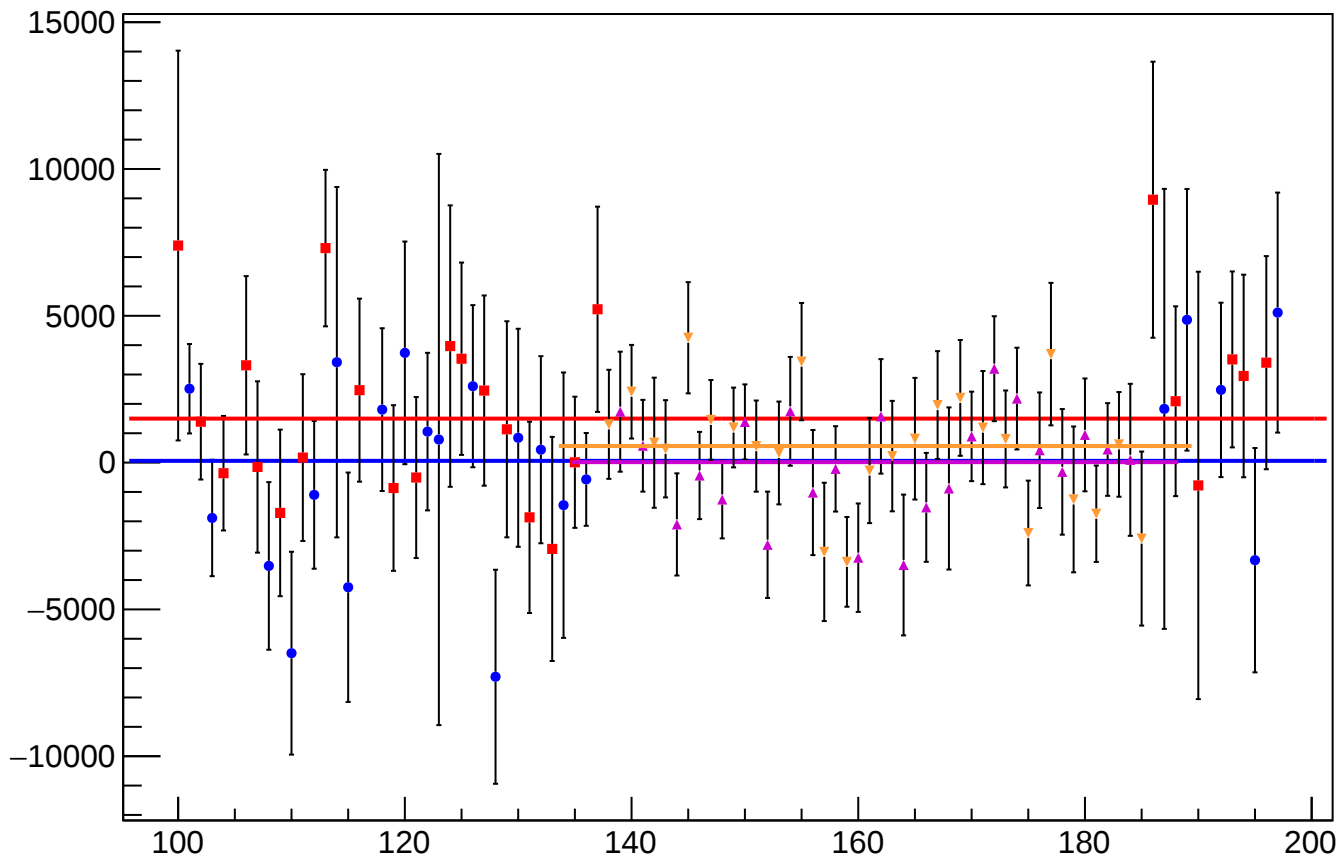
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

+ sign 1108.673 $\pm$ 0.148 χ^2 /NDF: 30058.8/46

All: 1109.935 $\pm$ 0.104 χ^2 /NDF: 69624.4/94

- sign 1111.186 $\pm$ 0.147 χ^2 /NDF: 39420.0/47

asym_usr_correction_mean vs Slug



Right In: 59.186 ± 616.717 χ^2/NDF : 21.4/21

Left Out: 563.282 ± 360.901 χ^2/NDF : 26.8/24

Right Out: 1498.270 ± 608.334 χ^2/NDF : 18.3/24

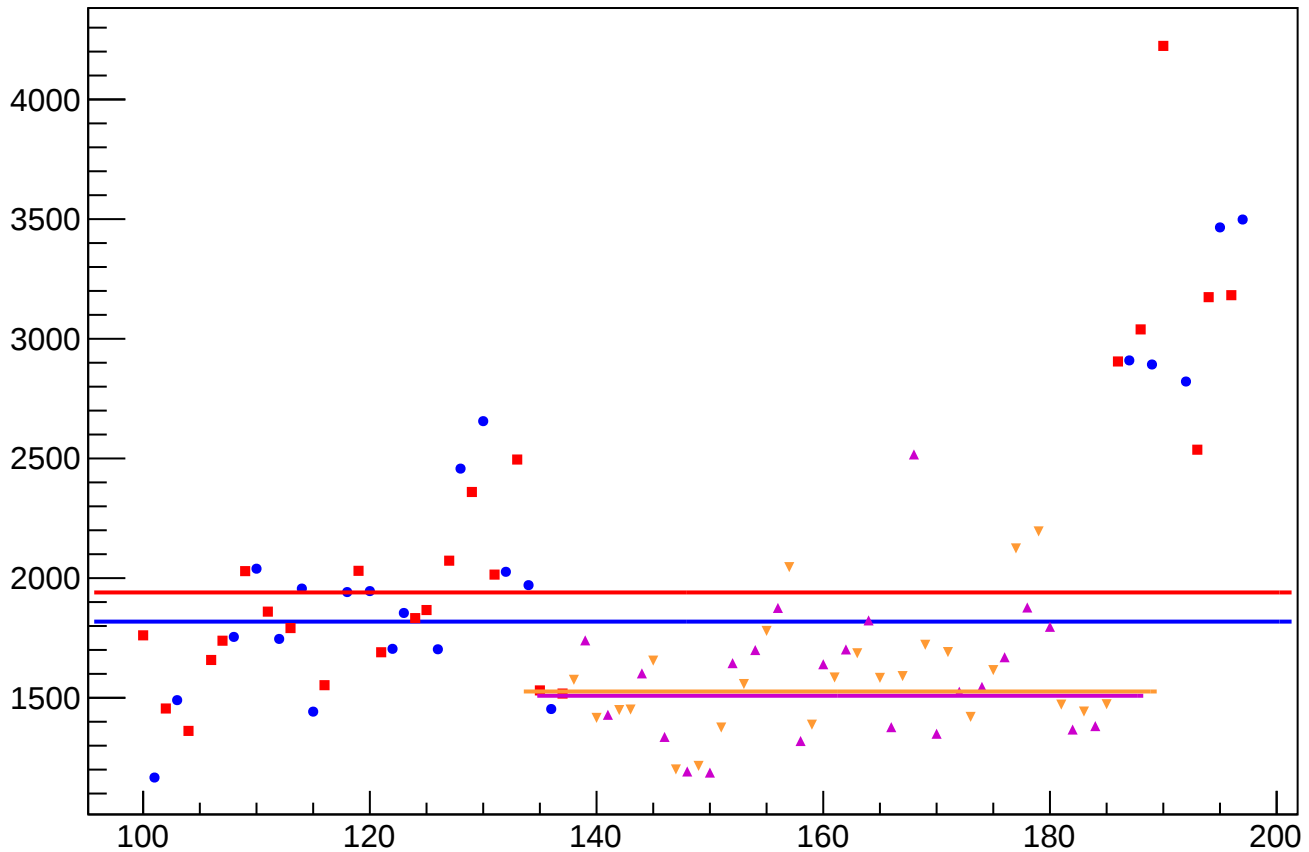
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

+ sign 434.688 ± 311.486 χ^2/NDF : 48.7/46

All: 422.917 ± 221.190 χ^2/NDF : 91.4/94

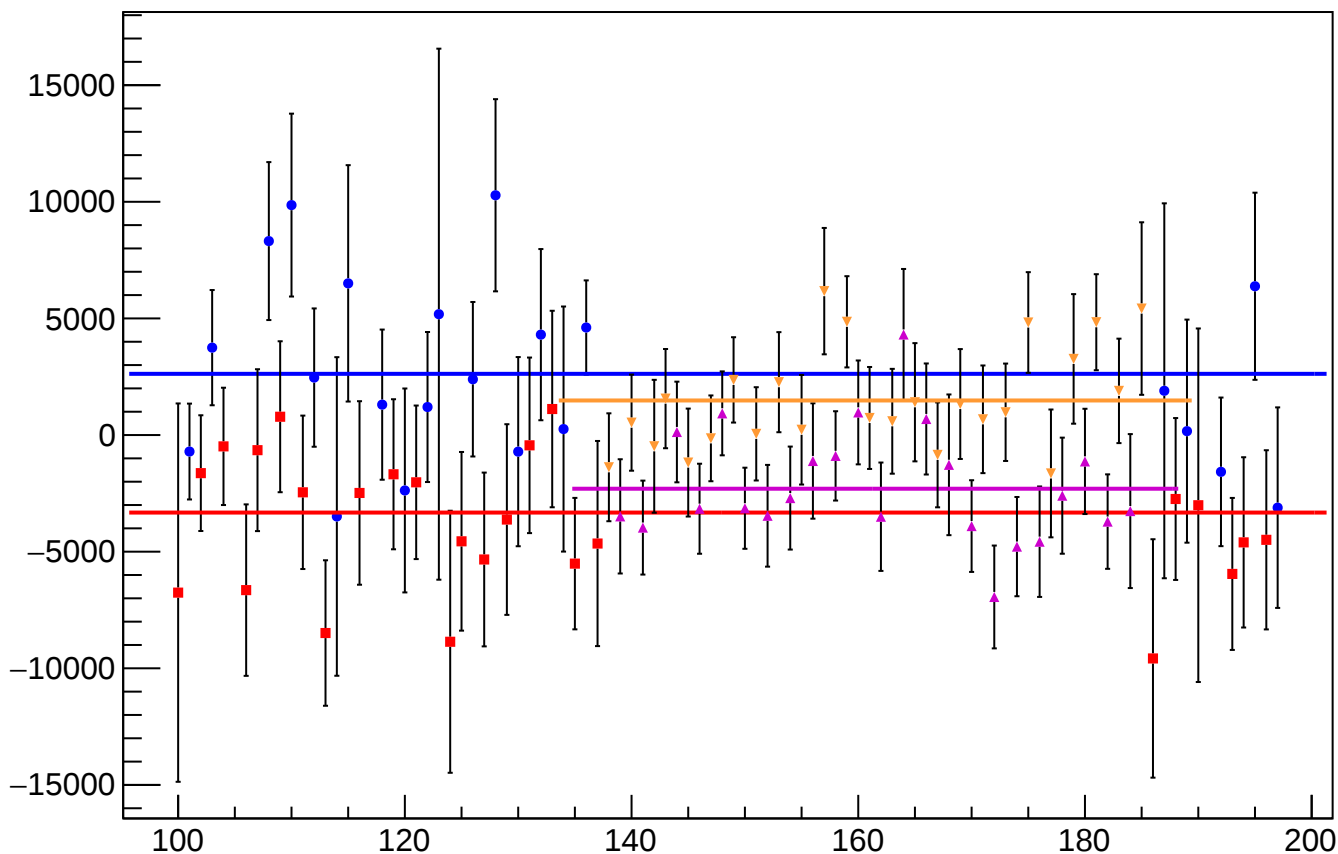
- sign 410.944 ± 314.152 χ^2/NDF : 42.8/47

asym_usr_correction_rms vs Slug



Right In: 1818.348+/-0.436	χ^2/NDF : 1841673.5/21	+ sign 1600.868+/-0.220	χ^2/NDF : 2929271.8/46
Left Out: 1526.391+/-0.255	χ^2/NDF : 753714.4/24	All: 1612.179+/-0.156	χ^2/NDF : 6242141.7/94
Right Out: 1940.191+/-0.430	χ^2/NDF : 1637587.2/24	- sign 1623.684+/-0.222	χ^2/NDF : 3307550.5/47
Left In: 1508.581+/-0.259	χ^2/NDF : 931684.8/22		

asym_usr_mean vs Slug



Right In: 2624.220 ± 741.052 $\chi^2/\text{NDF}: 22.4/21$

Left Out: 1482.365 ± 449.983 $\chi^2/\text{NDF}: 20.9/24$

Right Out: -3323.306 ± 716.213 $\chi^2/\text{NDF}: 14.4/24$

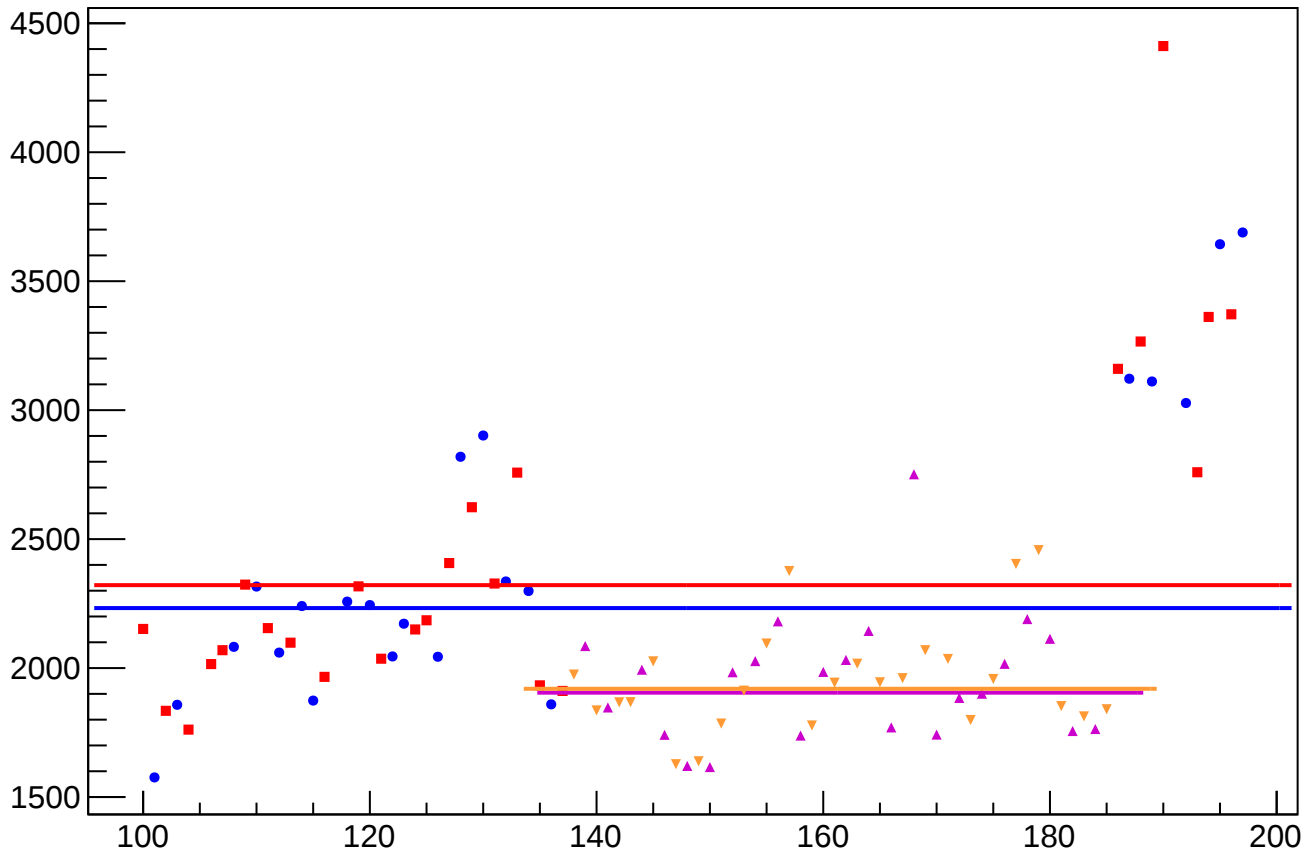
Left In: -2301.247 ± 459.040 $\chi^2/\text{NDF}: 24.8/22$

+ sign 1789.969 ± 384.626 $\chi^2/\text{NDF}: 45.0/46$

All: -393.925 ± 272.623 $\chi^2/\text{NDF}: 150.5/94$

- sign -2598.846 ± 386.474 $\chi^2/\text{NDF}: 40.6/47$

asym_usr_rms vs Slug



Right In: 2232.638+/-0.524 χ^2/NDF : 1144087.7/21

Left Out: 1919.732+/-0.318 χ^2/NDF : 366218.1/24

Right Out: 2321.535+/-0.506 χ^2/NDF : 1043852.6/24

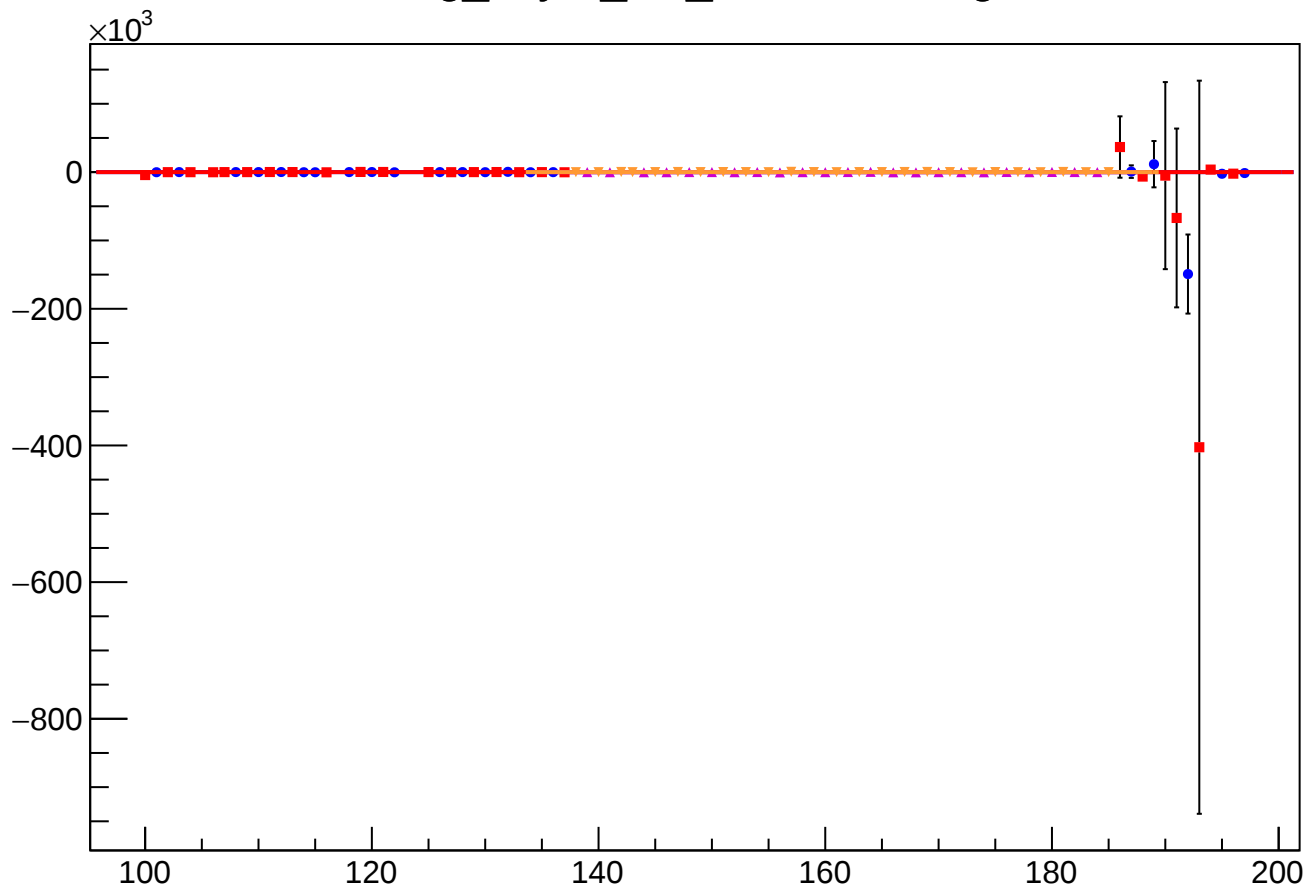
Left In: 1904.629+/-0.325 χ^2/NDF : 447350.7/22

+ sign 2004.025+/-0.272 χ^2/NDF : 1770830.0/46

All: 2014.971+/-0.193 χ^2/NDF : 3745642.4/94

- sign 2026.022+/-0.273 χ^2/NDF : 1971557.6/47

reg_asym_dsl_mean vs Slug



Right In: -1.075 ± 36.768 $\chi^2/\text{NDF}: 23.7/20$

Left Out: 7.608 ± 25.572 $\chi^2/\text{NDF}: 36.5/24$

Right Out: -1.809 ± 36.753 $\chi^2/\text{NDF}: 17.2/24$

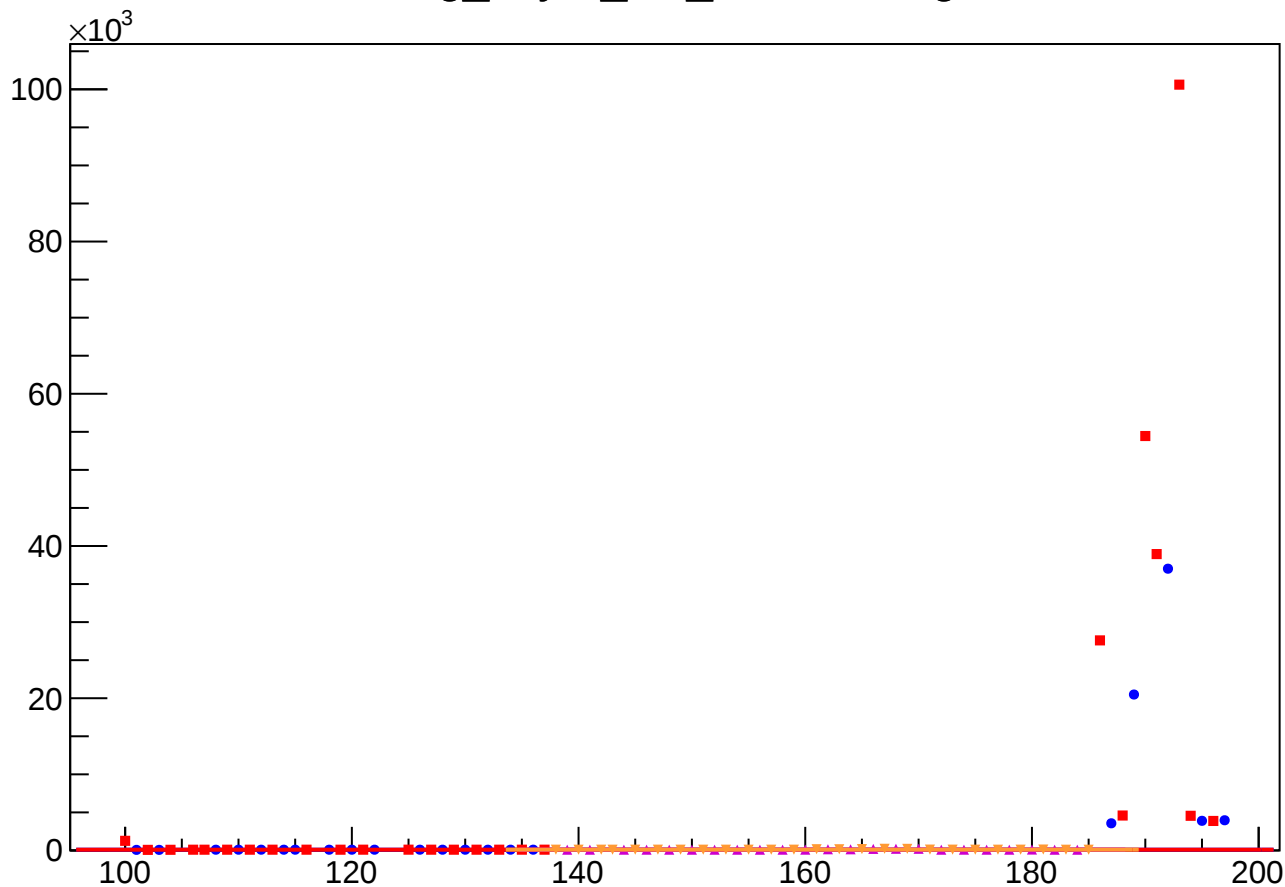
Left In: -24.786 ± 26.343 $\chi^2/\text{NDF}: 36.4/22$

+ sign 4.777 ± 20.994 $\chi^2/\text{NDF}: 60.2/45$

All: -5.891 ± 14.990 $\chi^2/\text{NDF}: 114.7/93$

- sign -16.988 ± 21.411 $\chi^2/\text{NDF}: 53.9/47$

reg_asym_dsl_rms vs Slug



Right In: 94.678 $\pm$ 0.026 χ^2 /NDF: 5028973.6/20

Left Out: 107.590 $\pm$ 0.018 χ^2 /NDF: 1447372.1/24

Right Out: 96.970 $\pm$ 0.026 χ^2 /NDF: 5210441.7/24

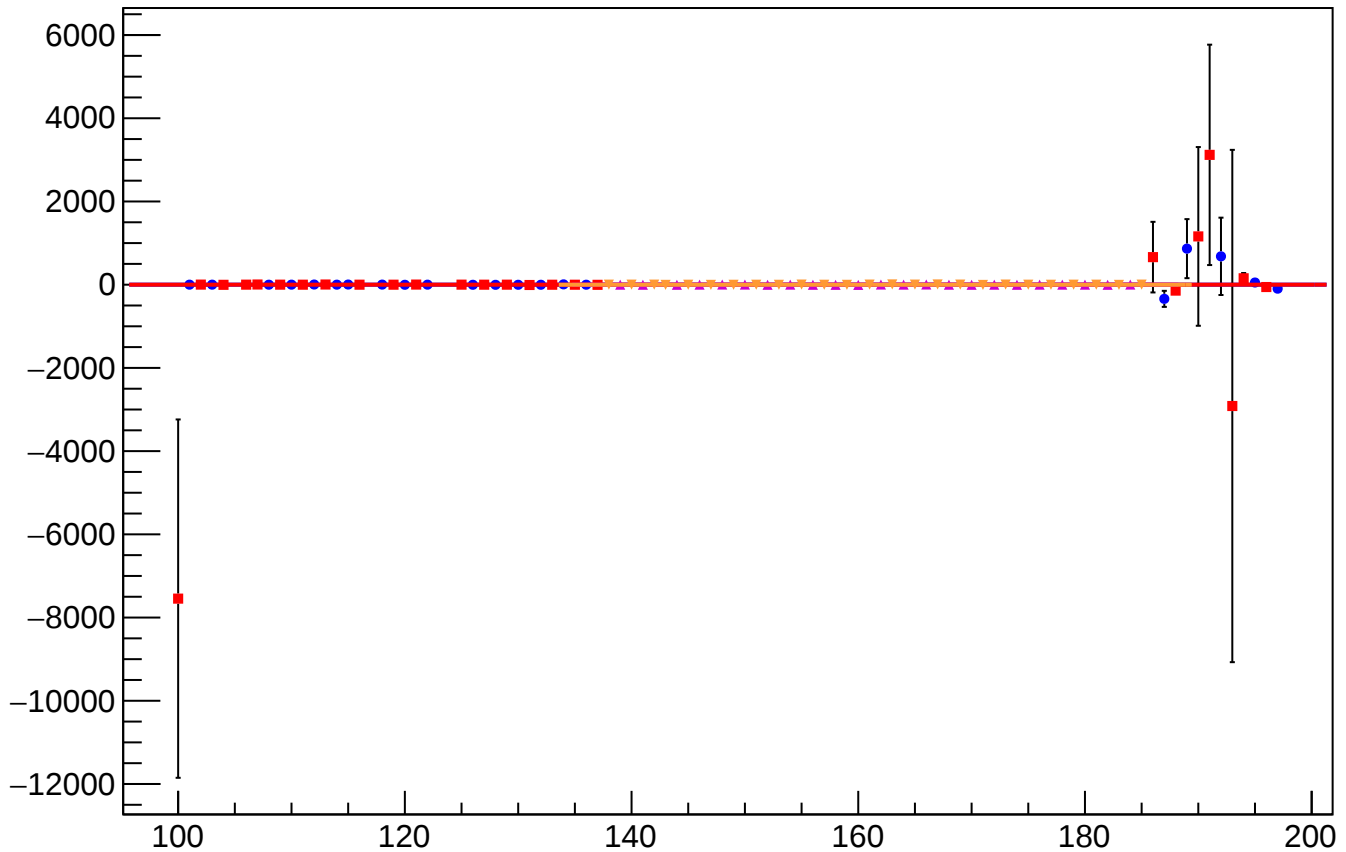
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 103.380 $\pm$ 0.015 χ^2 /NDF: 6642572.6/45

All: 103.704 $\pm$ 0.011 χ^2 /NDF: 13457060.1/93

- sign 104.040 $\pm$ 0.015 χ^2 /NDF: 6813519.1/47

asym_dsl_correction_mean vs Slug



Right In: 0.385 ± 0.617 χ^2/NDF : 17.5/20

Left Out: -0.765 ± 0.459 χ^2/NDF : 34.1/24

Right Out: 0.340 ± 0.644 χ^2/NDF : 27.4/24

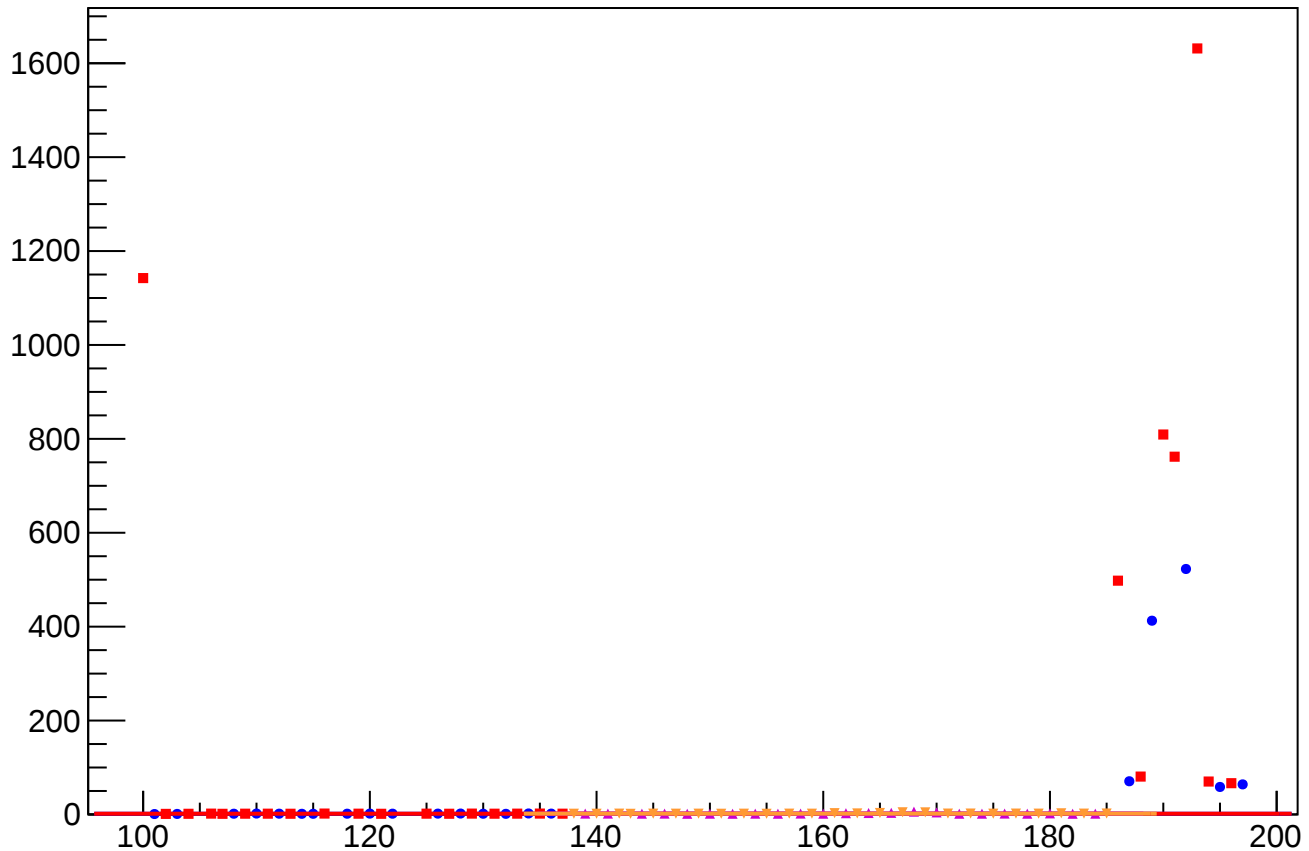
Left In: 0.067 ± 0.485 χ^2/NDF : 25.0/22

+ sign -0.355 ± 0.368 χ^2/NDF : 53.9/45

All: -0.107 ± 0.267 χ^2/NDF : 107.4/93

- sign 0.166 ± 0.387 χ^2/NDF : 52.5/47

asym_dsl_correction_rms vs Slug



Right In: 1.429+/-0.000 χ^2/NDF : 4802596.2/20

Left Out: 1.746+/-0.000 χ^2/NDF : 1683746.5/24

Right Out: 1.564+/-0.000 χ^2/NDF : 4694512.2/24

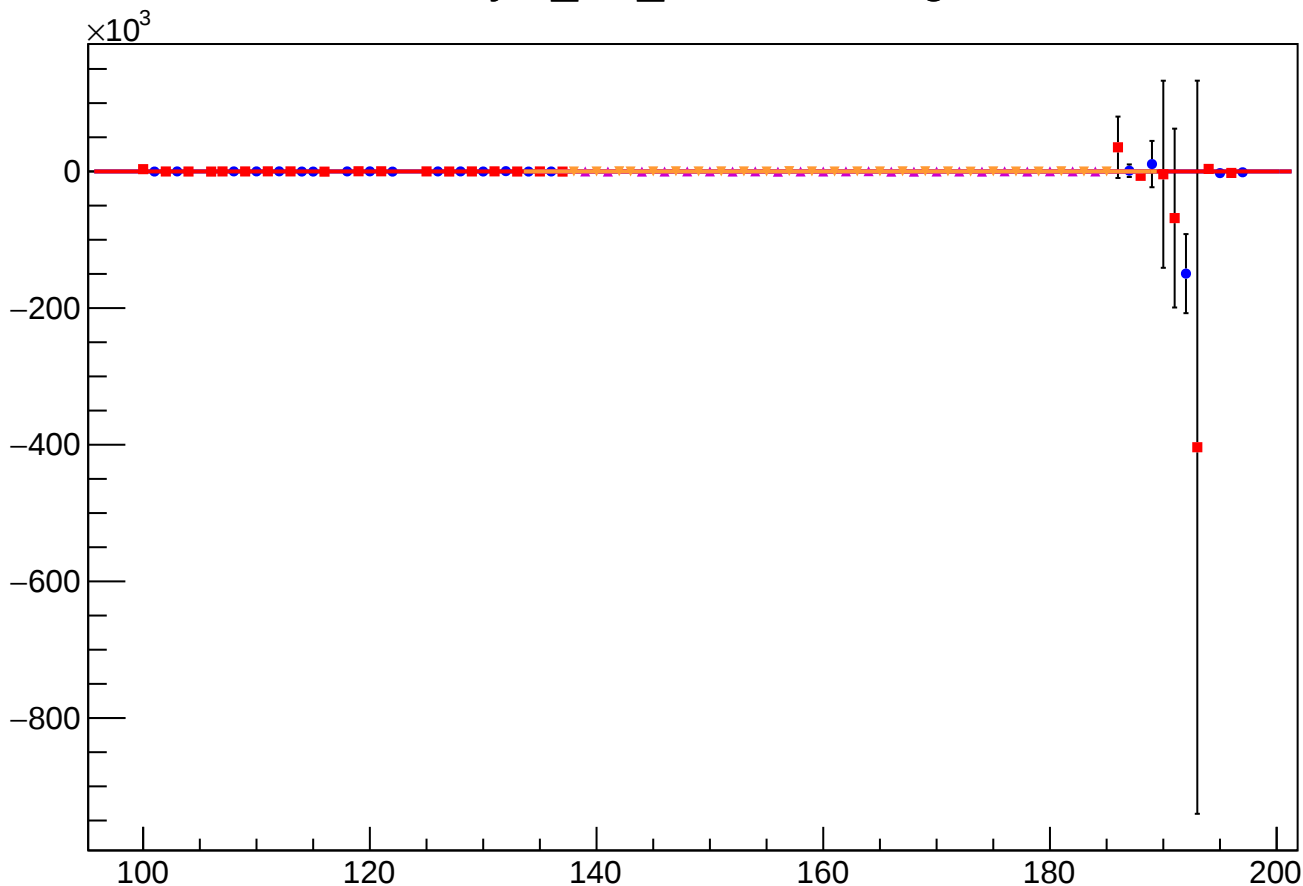
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.633+/-0.000 χ^2/NDF : 6826172.6/45

All: 1.673+/-0.000 χ^2/NDF : 13664751.6/93

- sign 1.716+/-0.000 χ^2/NDF : 6790327.6/47

asym_dsl_mean vs Slug



Right In: -0.767 ± 36.778 χ^2/NDF : 23.9/20

Left Out: 8.411 ± 25.580 χ^2/NDF : 36.3/24

Right Out: -1.565 ± 36.763 χ^2/NDF : 16.7/24

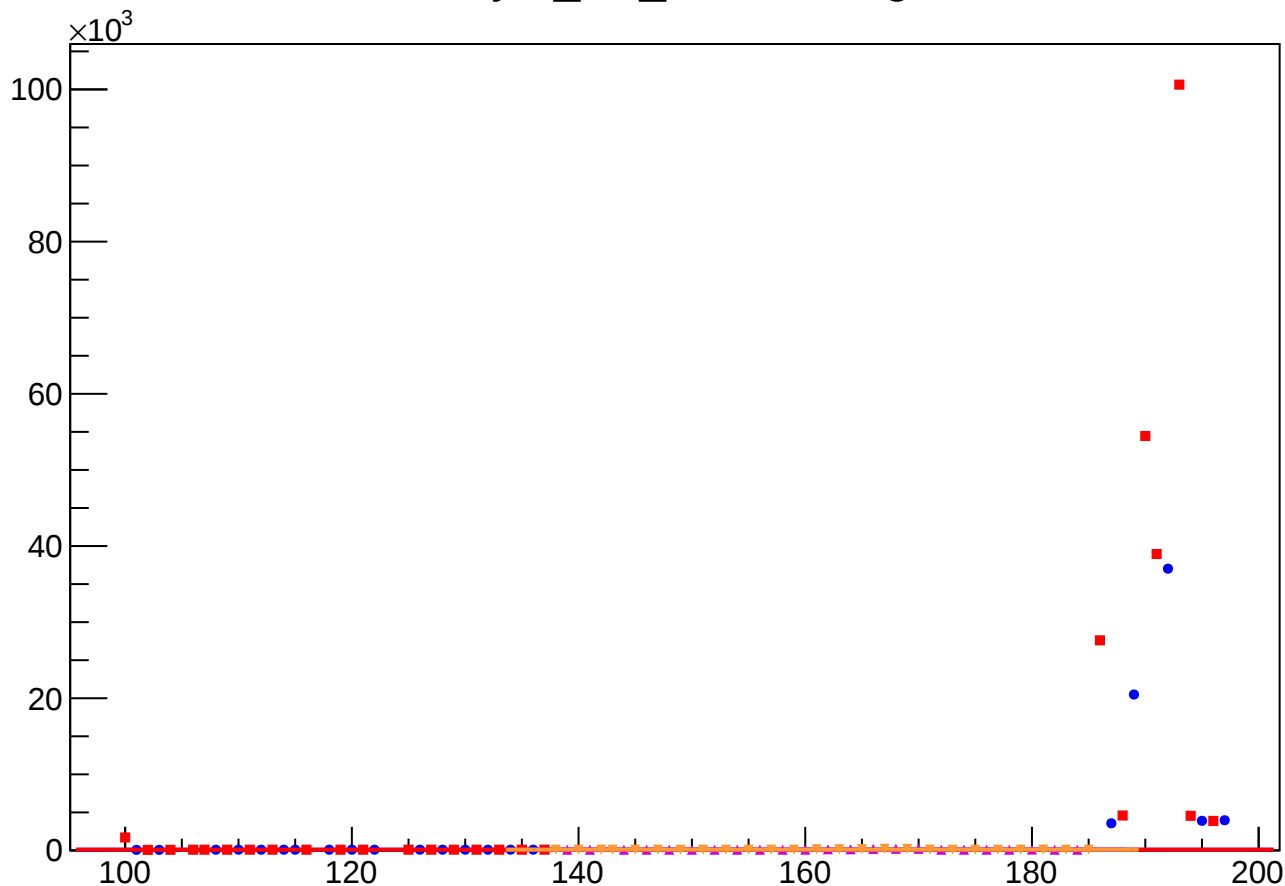
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 5.419 ± 21.000 χ^2/NDF : 60.2/45

All: -5.693 ± 14.995 χ^2/NDF : 113.5/93

- sign -17.252 ± 21.418 χ^2/NDF : 52.7/47

asym_dsl_rms vs Slug



Right In: 94.702 $\pm$ 0.026 χ^2 /NDF: 5028964.3/20

Left Out: 107.620 $\pm$ 0.018 χ^2 /NDF: 1448769.2/24

Right Out: 96.979 $\pm$ 0.026 χ^2 /NDF: 5215638.7/24

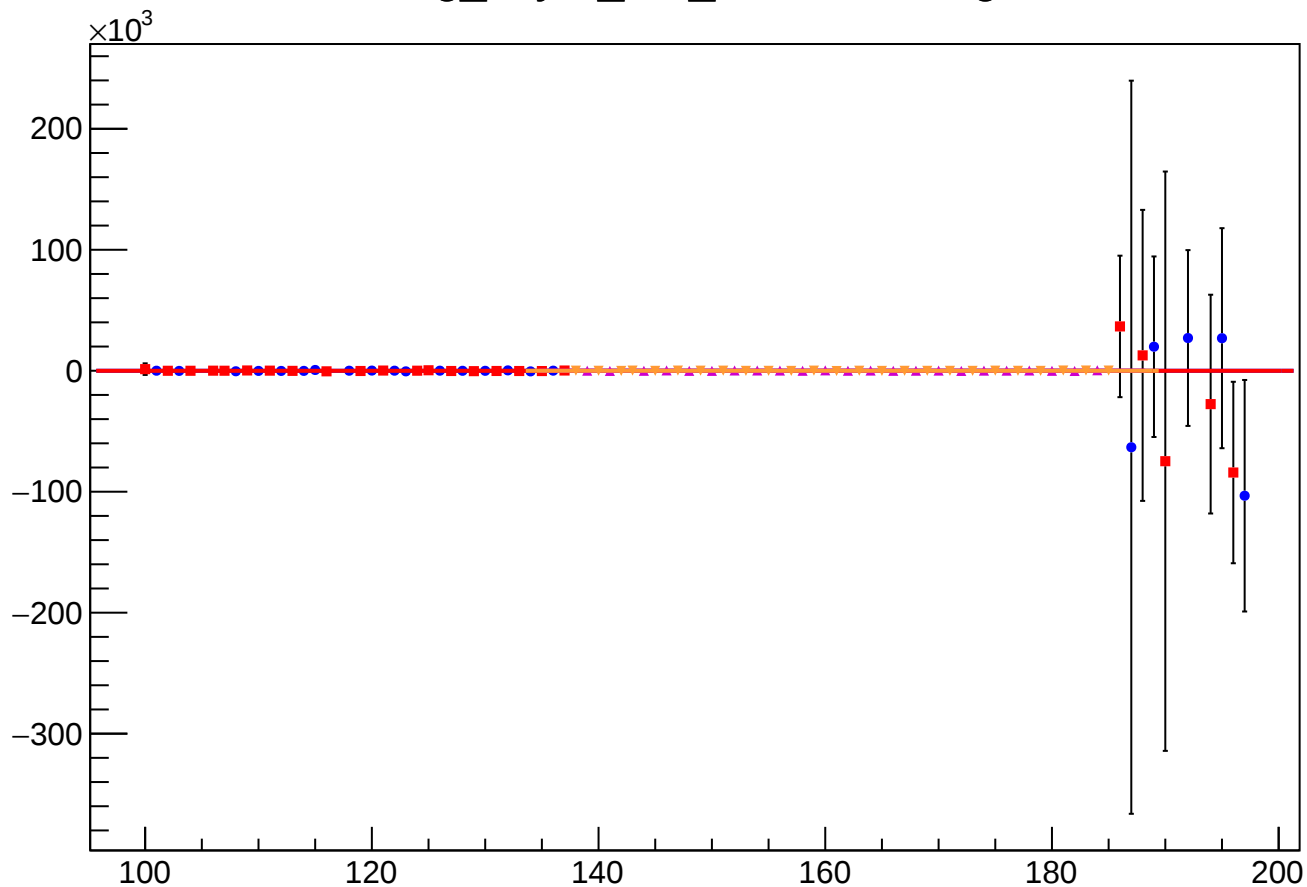
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 103.408 $\pm$ 0.015 χ^2 /NDF: 6644025.9/45

All: 103.729 $\pm$ 0.011 χ^2 /NDF: 13465391.0/93

- sign 104.063 $\pm$ 0.015 χ^2 /NDF: 6820411.9/47

reg_asym_dsr_mean vs Slug



Right In: -26.797 ± 46.841 χ^2/NDF : 15.9/21

Left Out: -12.829 ± 32.063 χ^2/NDF : 12.0/24

Right Out: -53.402 ± 47.775 χ^2/NDF : 17.3/23

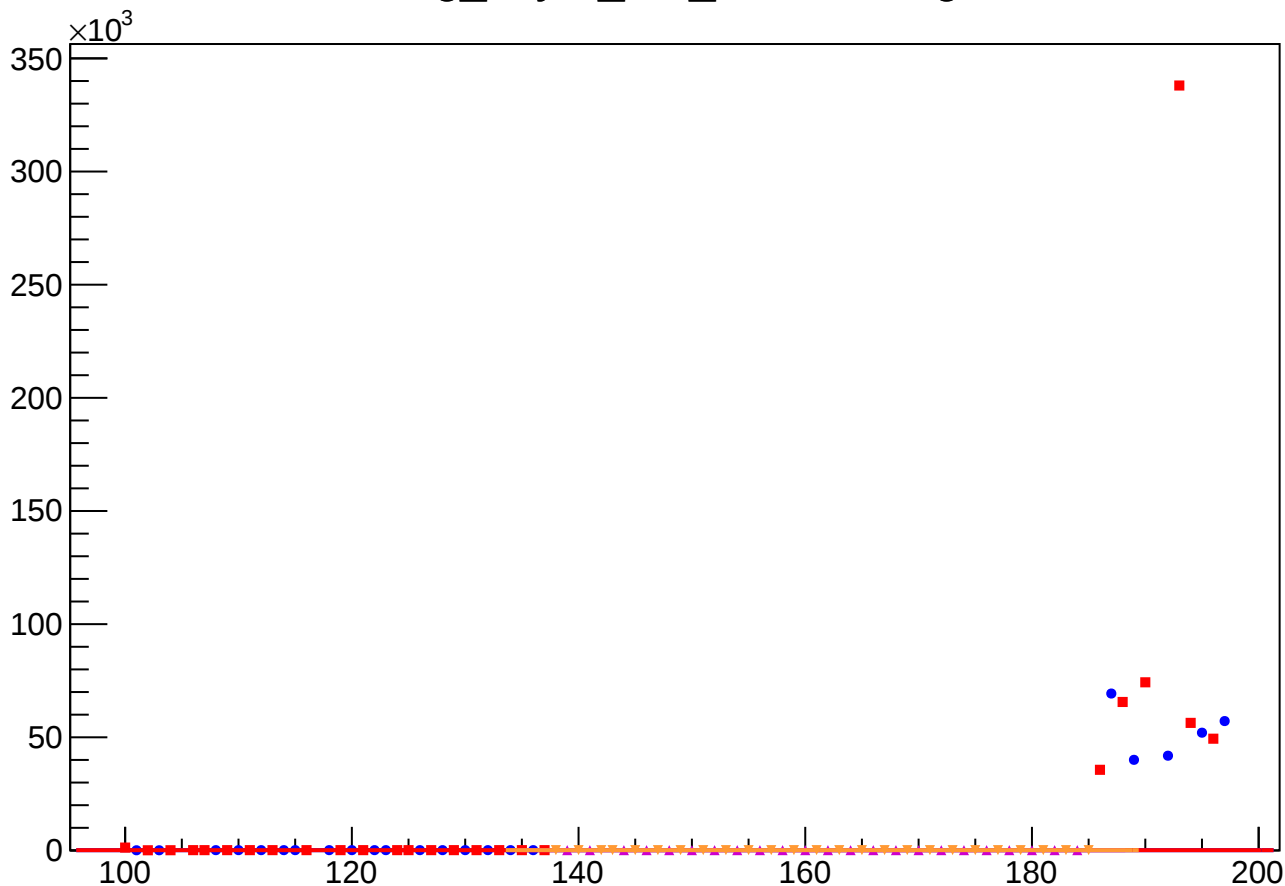
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.286 ± 26.458 χ^2/NDF : 28.0/46

All: 4.344 ± 18.939 χ^2/NDF : 70.1/93

- sign 27.070 ± 27.121 χ^2/NDF : 40.7/46

reg_asym_dsr_rms vs Slug



Right In: 117.830 $\pm$ 0.033 χ^2 /NDF: 3646188.2/21

Left Out: 137.856 $\pm$ 0.023 χ^2 /NDF: 443.5/24

Right Out: 124.802 $\pm$ 0.034 χ^2 /NDF: 4078206.3/24

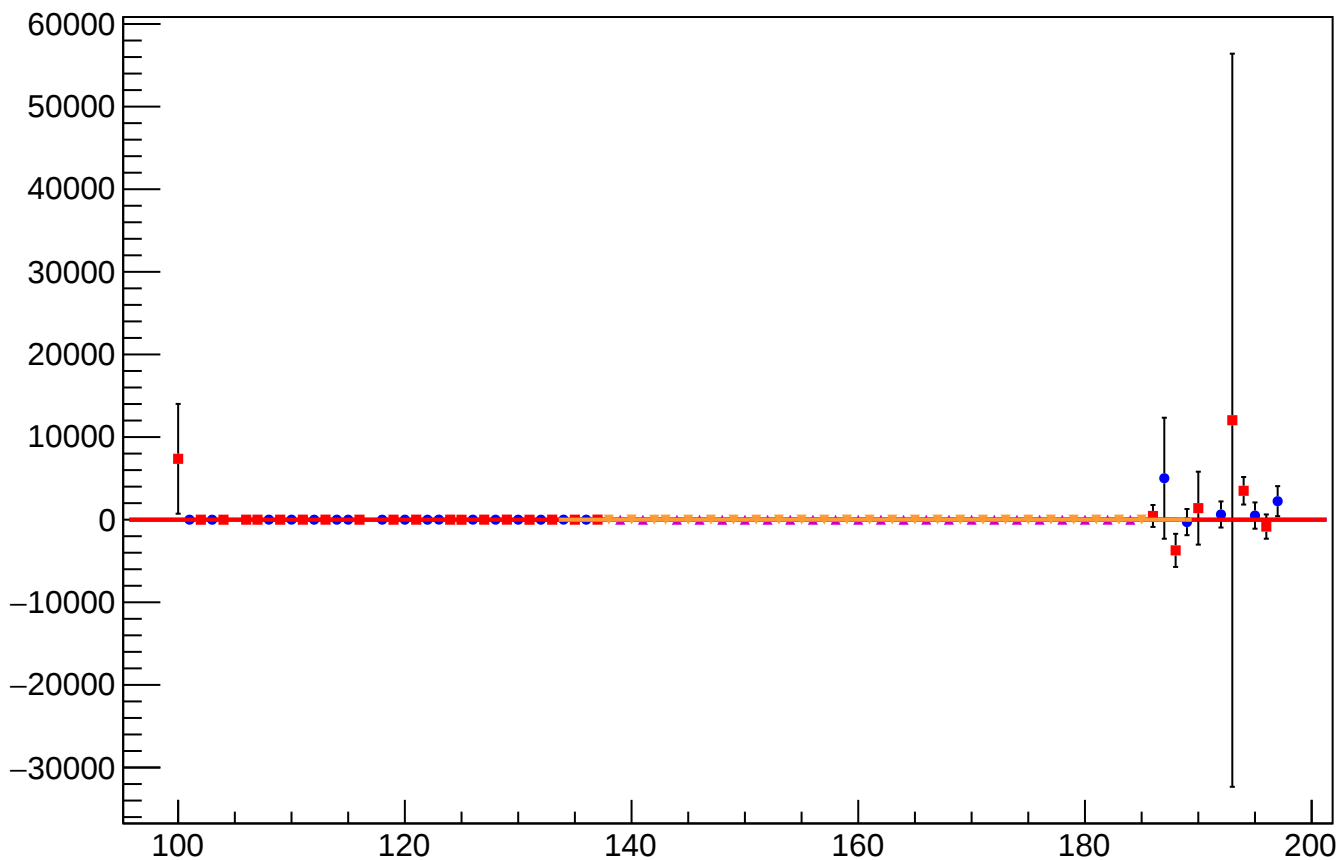
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.467 $\pm$ 0.019 χ^2 /NDF: 3895585.9/46

All: 132.514 $\pm$ 0.013 χ^2 /NDF: 8081073.4/94

- sign 133.614 $\pm$ 0.019 χ^2 /NDF: 4179062.6/47

asym_dsr_correction_mean vs Slug



Right In: -0.718 ± 0.810 χ^2/NDF : 14.5/21

Left Out: 0.490 ± 0.572 χ^2/NDF : 29.0/24

Right Out: 0.638 ± 0.852 χ^2/NDF : 23.2/24

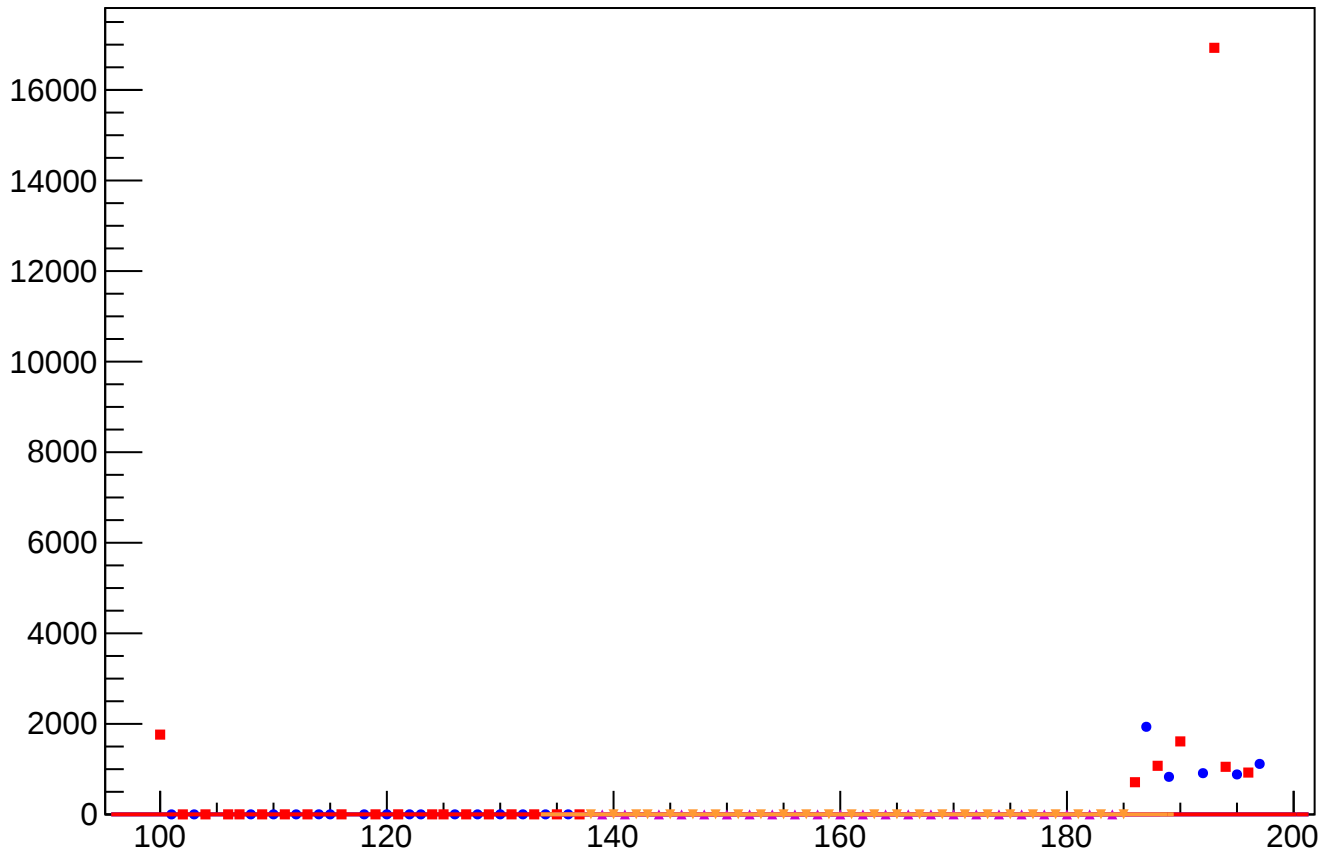
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 44.9/46

All: 0.046 ± 0.334 χ^2/NDF : 89.6/94

- sign 0.003 ± 0.479 χ^2/NDF : 44.6/47

asym_dsr_correction_rms vs Slug



Right In: 1.866 $\pm$ 0.001 χ^2 /NDF: 3202945.0/21

Left Out: 2.262 $\pm$ 0.000 χ^2 /NDF:374973.2/24

Right Out: 2.065 $\pm$ 0.001 χ^2 /NDF: 3813102.4/24

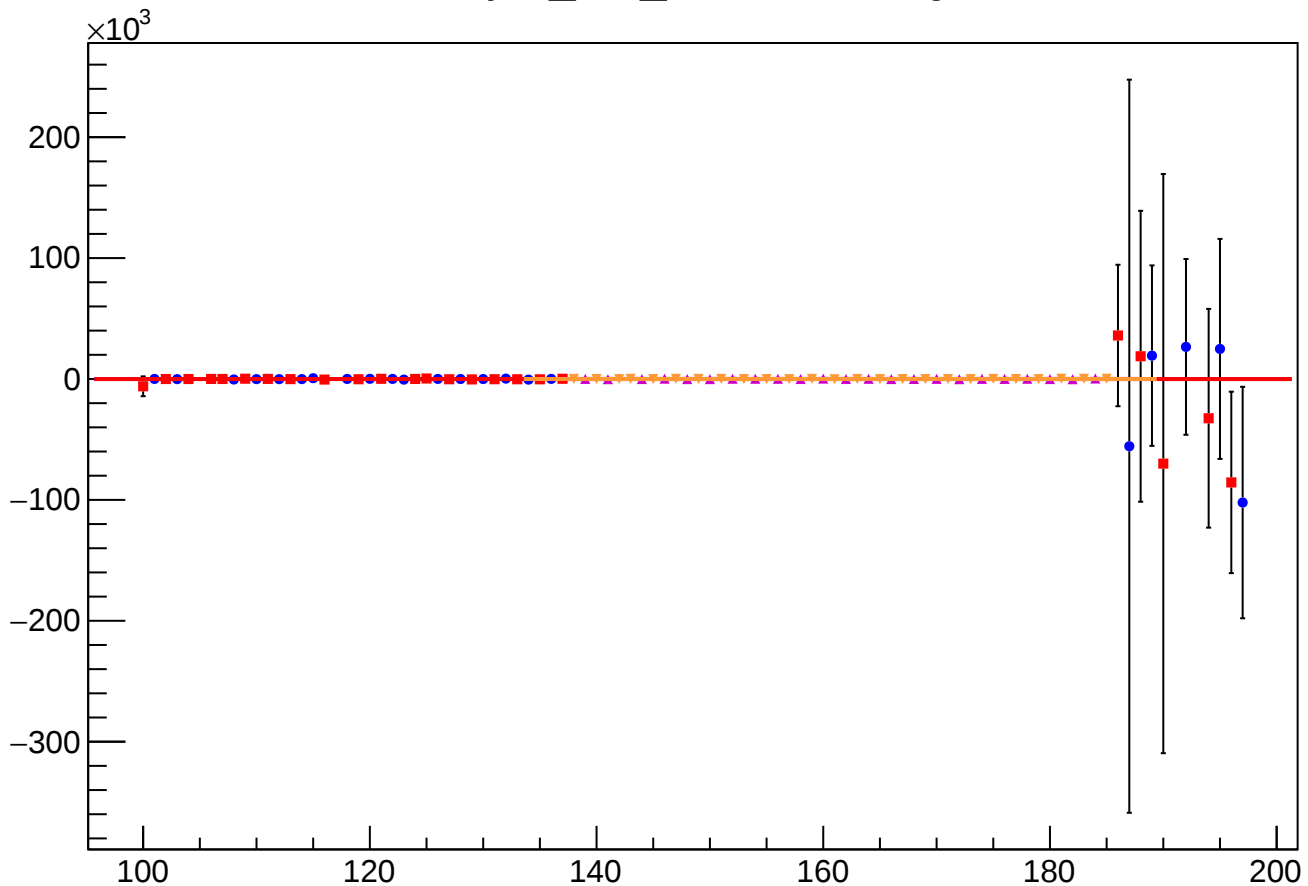
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF:510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 3896333.7/46

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 8253507.7/94

- sign 2.152 $\pm$ 0.000 χ^2 /NDF: 4354954.4/47

asym_dsr_mean vs Slug



Right In: -25.060 ± 46.854 χ^2/NDF : 15.9/21

Left Out: -13.383 ± 32.072 χ^2/NDF : 11.8/24

Right Out: -54.305 ± 47.789 χ^2/NDF : 18.0/23

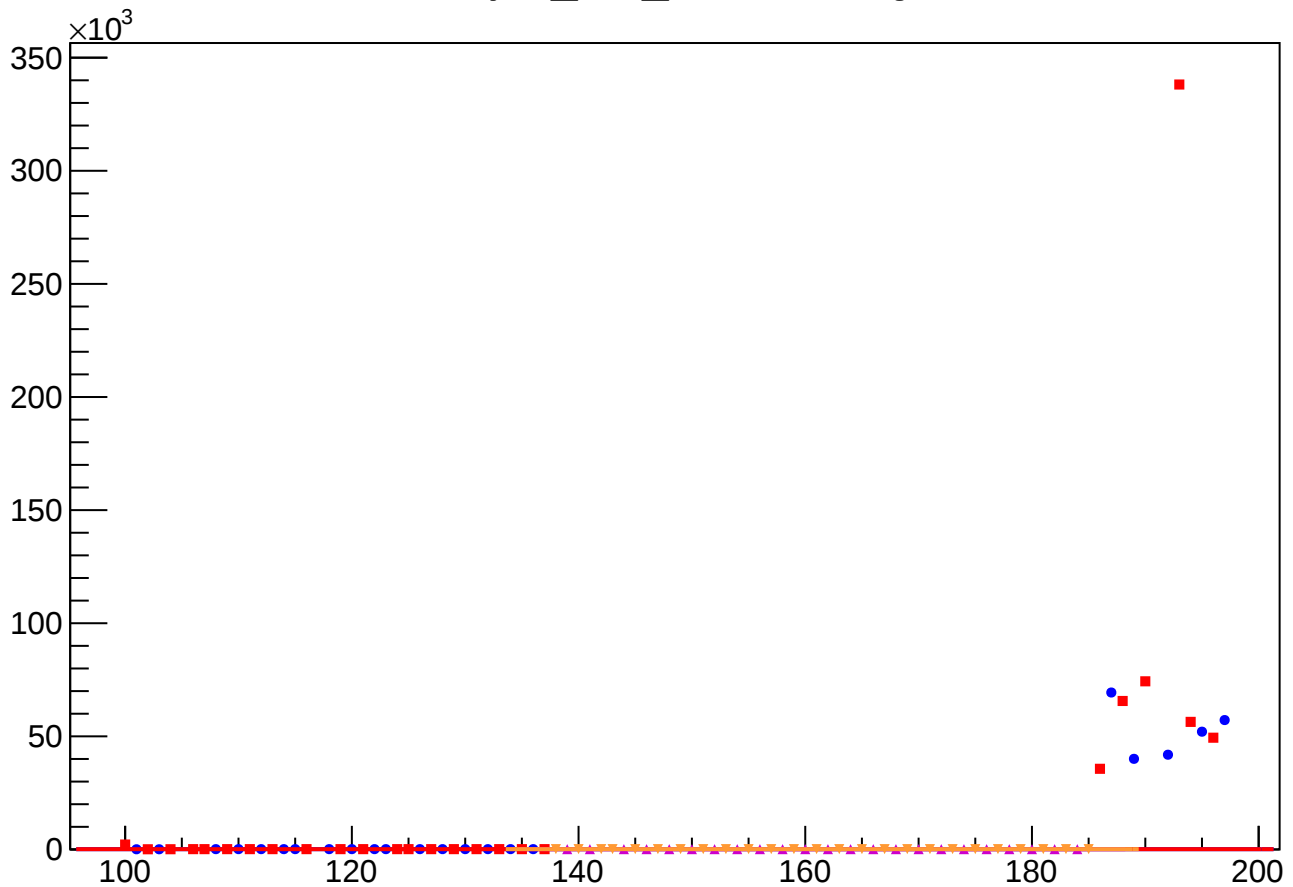
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.109 ± 26.465 χ^2/NDF : 27.8/46

All: 4.258 ± 18.944 χ^2/NDF : 70.7/93

- sign 26.710 ± 27.129 χ^2/NDF : 41.6/46

asym_dsr_rms vs Slug



Right In: 117.861 $\pm$ 0.033 χ^2 /NDF: 3646263.9/21

Left Out: 137.895 $\pm$ 0.023 χ^2 /NDF:440.9/24

Right Out: 124.791 $\pm$ 0.034 χ^2 /NDF: 4088825.1/24

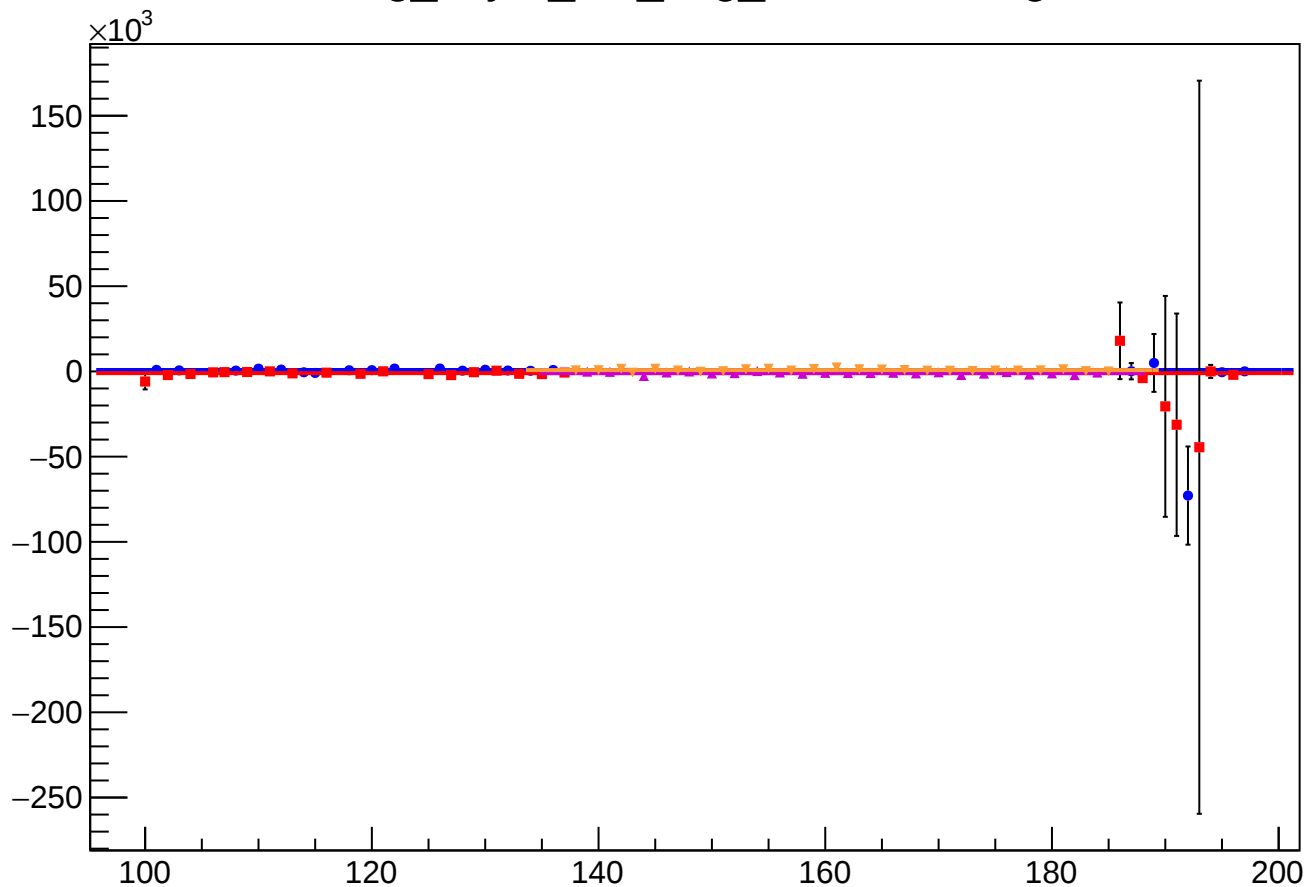
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ sign 131.503 $\pm$ 0.019 χ^2 /NDF: 3895692.9/46

All: 132.544 $\pm$ 0.013 χ^2 /NDF: 8092424.9/94

- sign 133.637 $\pm$ 0.019 χ^2 /NDF: 4190391.3/47

reg_asym_left_avg_mean vs Slug



Right In: 822.991 $\pm$ 214.502 χ^2/NDF : 12.3/20

Left Out: 779.744 $\pm$ 133.856 χ^2/NDF : 19.6/24

Right Out: -1017.881 $\pm$ 211.398 χ^2/NDF : 16.4/24

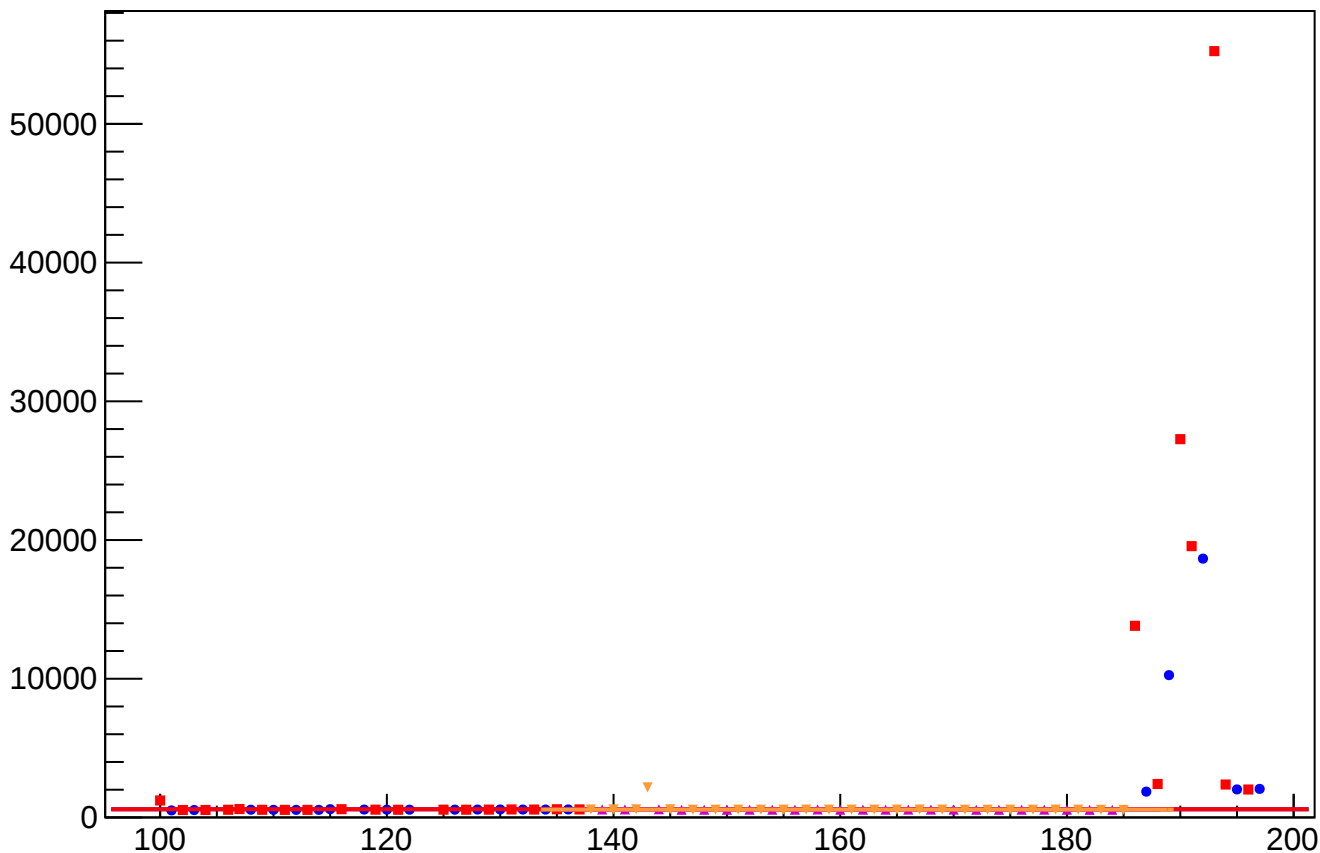
Left In: -974.402 $\pm$ 134.932 χ^2/NDF : 27.4/22

+ sign 791.865 $\pm$ 113.559 χ^2/NDF : 32.0/45

All: -96.162 $\pm$ 80.361 χ^2/NDF : 198.3/93

- sign -986.988 $\pm$ 113.738 χ^2/NDF : 43.9/47

reg_asym_left_avg_rms vs Slug



Right In: 588.221+/-0.152 χ^2/NDF : 3259056.7/20

Left Out: 568.874+/-0.095 χ^2/NDF : 853714.5/24

Right Out: 592.633+/-0.149 χ^2/NDF : 3483495.2/24

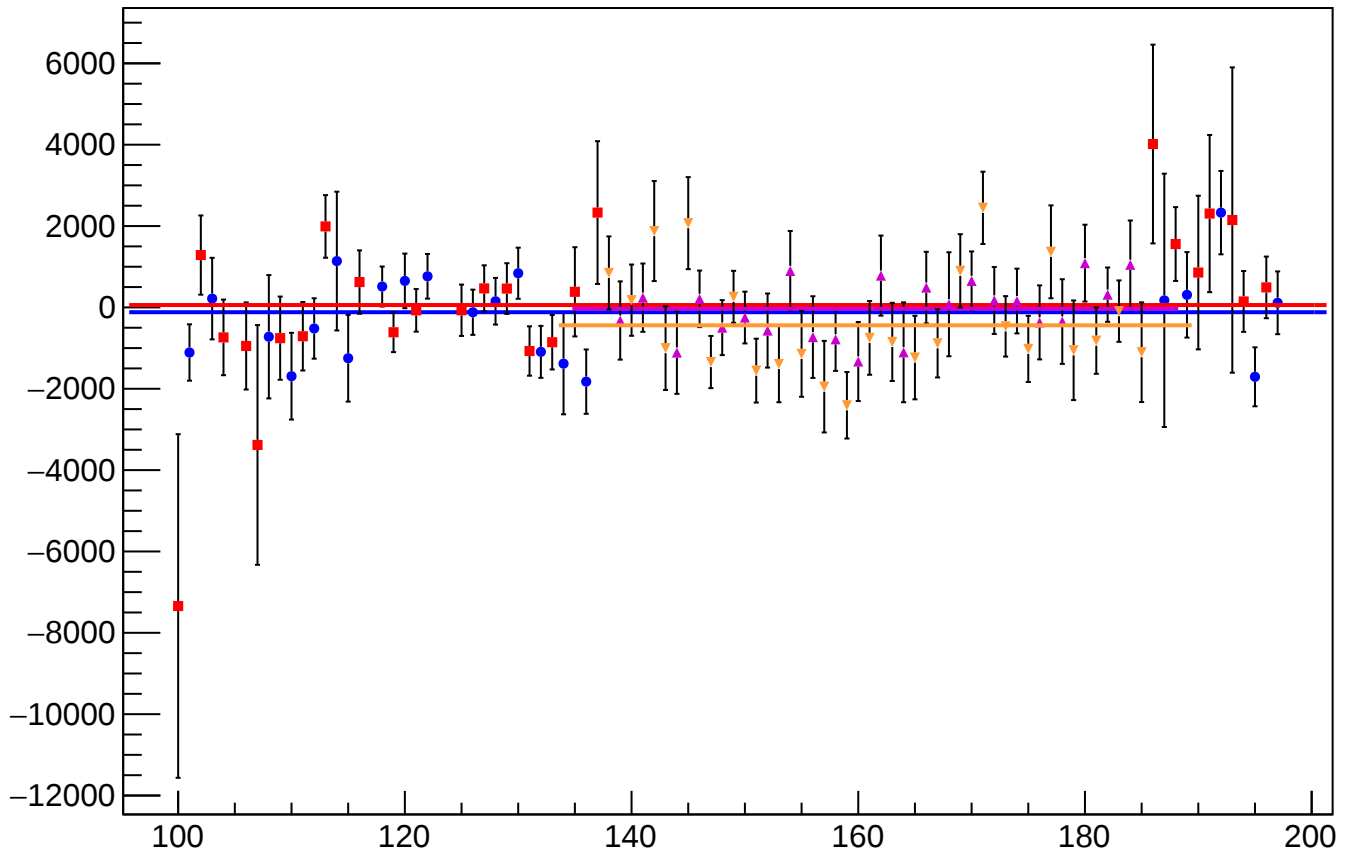
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

+ sign 574.297+/-0.080 χ^2/NDF : 4124480.4/45

All: 573.430+/-0.057 χ^2/NDF : 7642795.7/93

- sign 572.561+/-0.080 χ^2/NDF : 3518081.9/47

asym_left_avg_correction_mean vs Slug



Right In: -118.128 ± 166.341 χ^2/NDF : 33.3/20

Left Out: -440.022 ± 177.884 χ^2/NDF : 43.5/24

Right Out: 58.378 ± 165.233 χ^2/NDF : 33.5/24

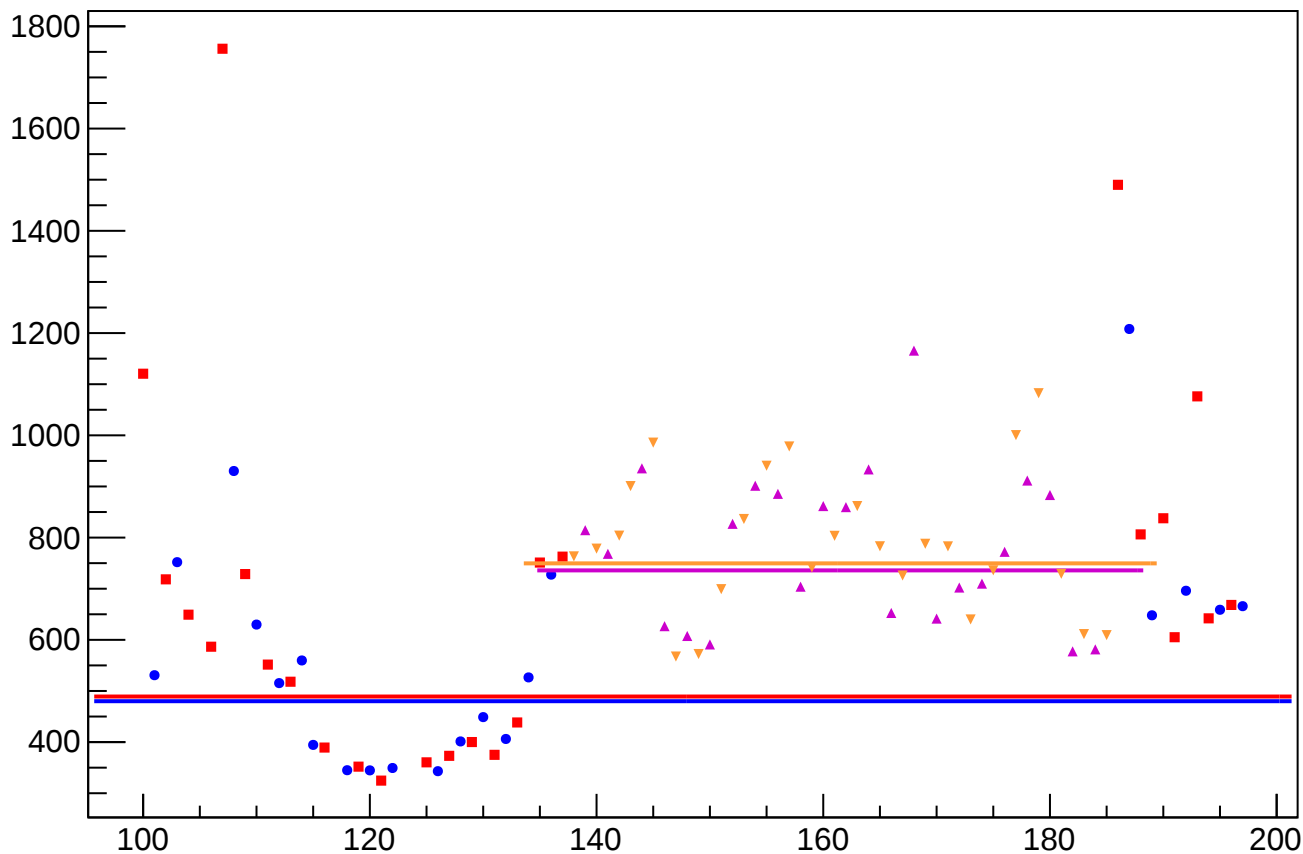
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

+ sign -268.294 ± 121.497 χ^2/NDF : 78.6/45

All: -125.847 ± 85.929 χ^2/NDF : 127.2/93

- sign 16.717 ± 121.547 χ^2/NDF : 45.8/47

asym_left_avg_correction_rms vs Slug



Right In: 479.996 $\pm$ 0.118 χ^2 /NDF: 1616954.5/20

Left Out: 749.578 $\pm$ 0.126 χ^2 /NDF: 1053455.5/24

Right Out: 489.140 $\pm$ 0.117 χ^2 /NDF: 2464956.8/24

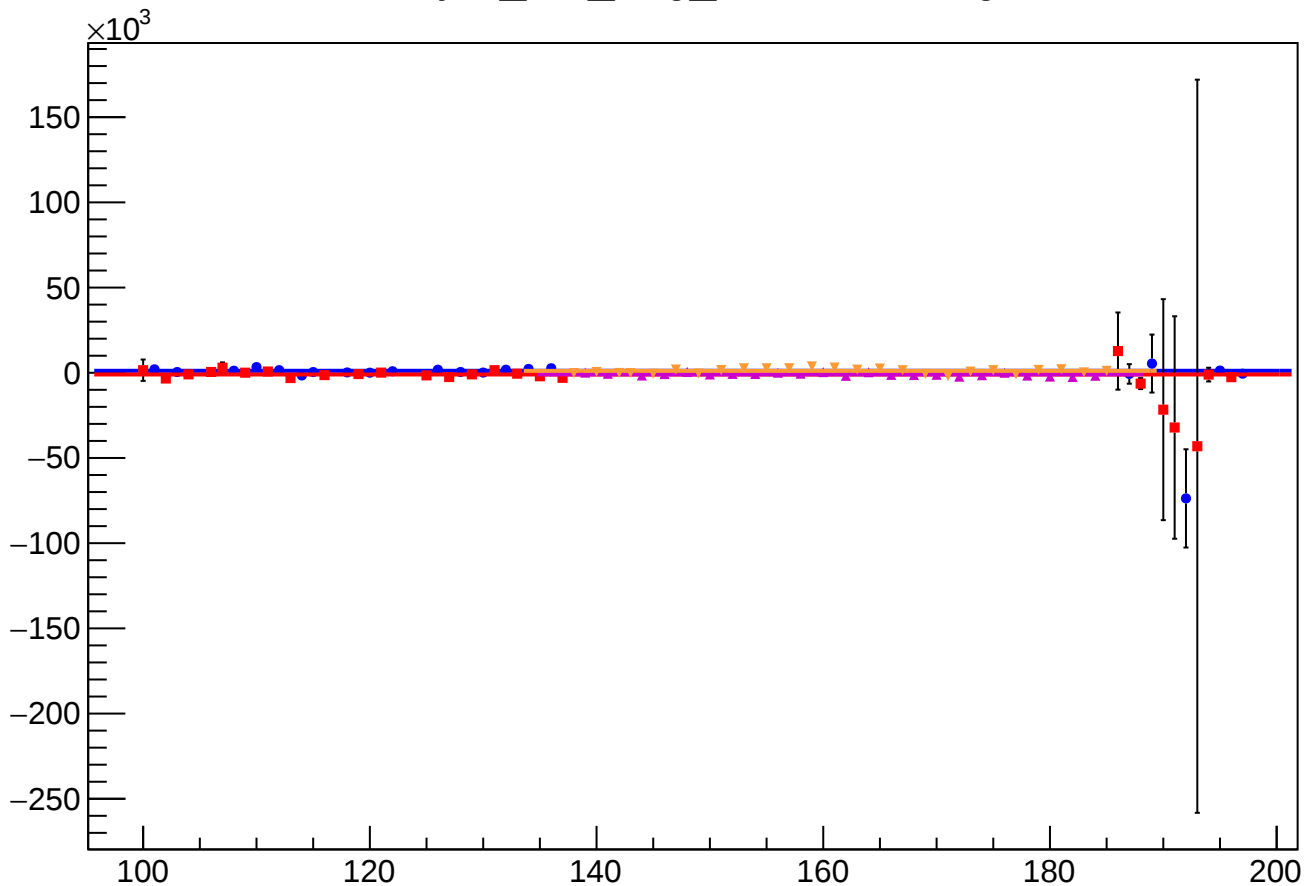
Left In: 735.850 $\pm$ 0.127 χ^2 /NDF: 1105405.5/22

+ sign 605.758 $\pm$ 0.086 χ^2 /NDF: 5120987.9/45

All: 604.055 $\pm$ 0.061 χ^2 /NDF: 10738139.0/93

- sign 602.350 $\pm$ 0.086 χ^2 /NDF: 5616364.8/47

asym_left_avg_mean vs Slug



Right In: 1163.111 $\pm$ 291.301 χ^2 /NDF: 19.1/20

Left Out: 1128.601 $\pm$ 228.001 χ^2 /NDF: 39.1/24

Right Out: -1010.042 $\pm$ 290.068 χ^2 /NDF: 27.1/24

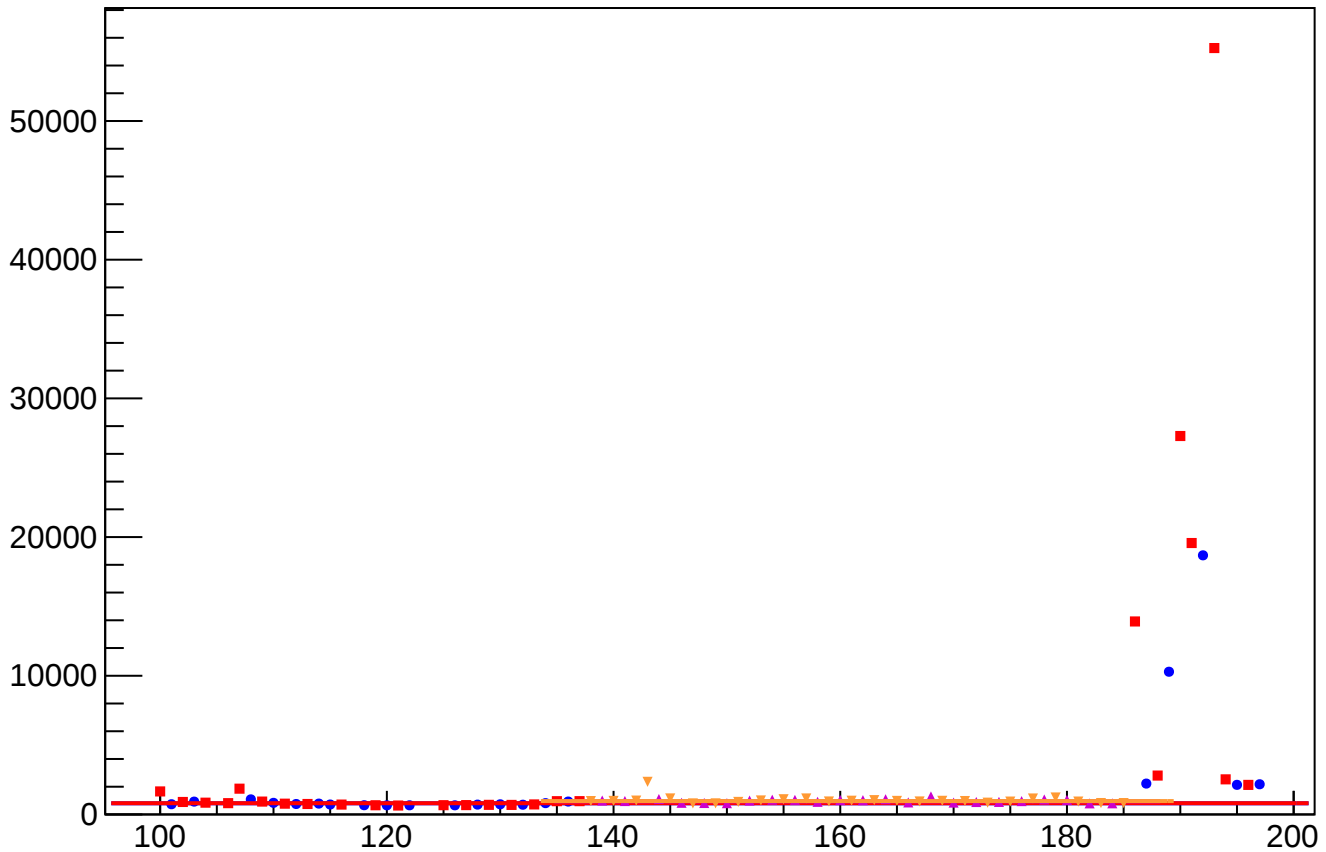
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF: 14.8/22

+ sign 1141.711 $\pm$ 179.544 χ^2 /NDF: 58.2/45

All: 86.149 $\pm$ 126.910 χ^2 /NDF: 169.2/93

- sign -967.846 $\pm$ 179.411 χ^2 /NDF: 41.9/47

asym_left_avg_rms vs Slug



Right In: 803.104 $\pm$ 0.206 χ^2 /NDF: 3080465.9/20

Left Out: 964.493 $\pm$ 0.161 χ^2 /NDF:1002763.0/24

Right Out: 811.116 $\pm$ 0.205 χ^2 /NDF: 3610029.4/24

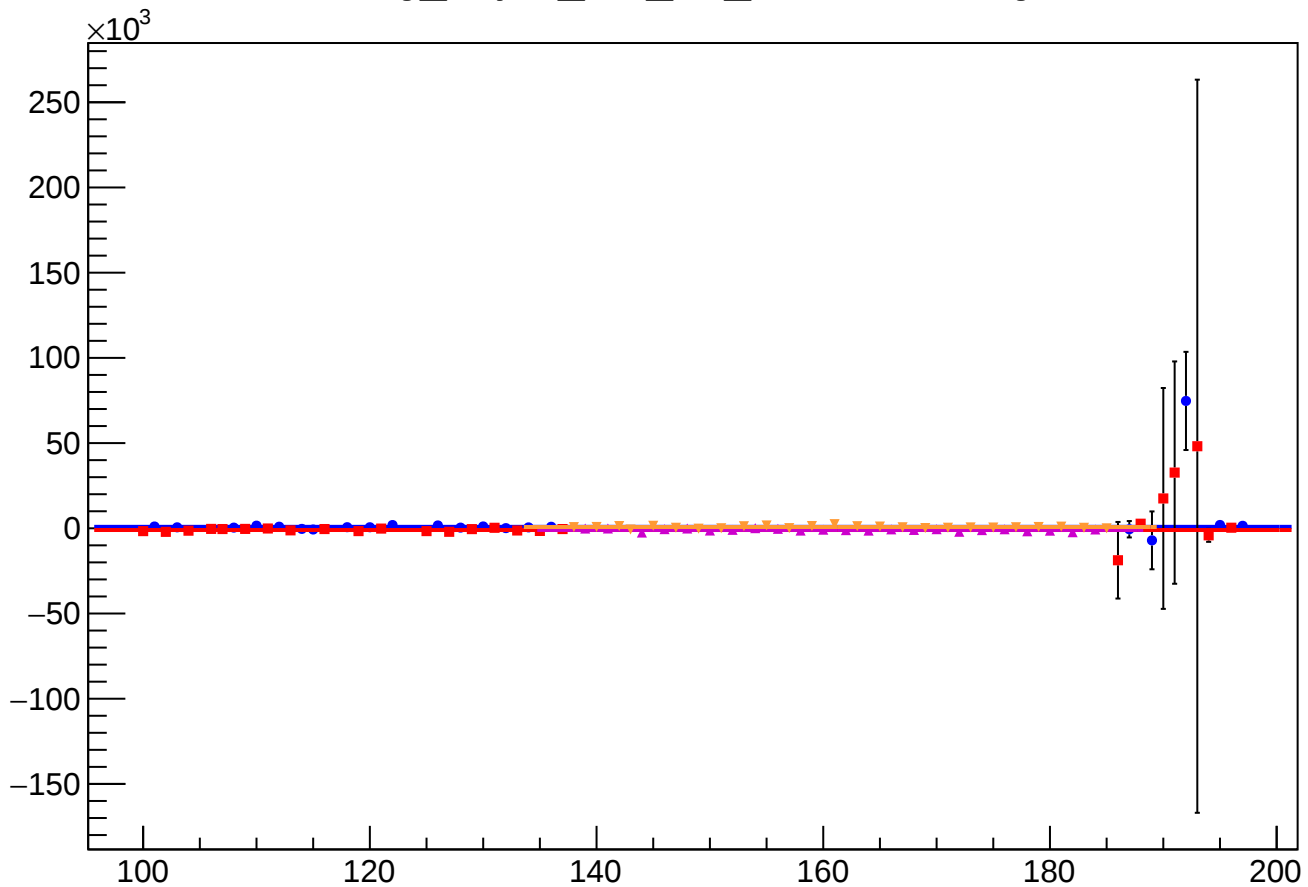
Left In: 946.573 $\pm$ 0.161 χ^2 /NDF:501366.9/22

+ sign 903.183 $\pm$ 0.127 χ^2 /NDF: 4463909.0/45

All: 898.965 $\pm$ 0.090 χ^2 /NDF: 8846804.4/93

- sign 894.753 $\pm$ 0.127 χ^2 /NDF: 4380689.2/47

reg_asym_left_dd_mean vs Slug



Right In: 861.000 $\pm$ 214.347 χ^2 /NDF: 13.3/20

Left Out: 753.308 $\pm$ 133.745 χ^2 /NDF: 21.4/24

Right Out: -1002.003 $\pm$ 206.497 χ^2 /NDF: 16.1/24

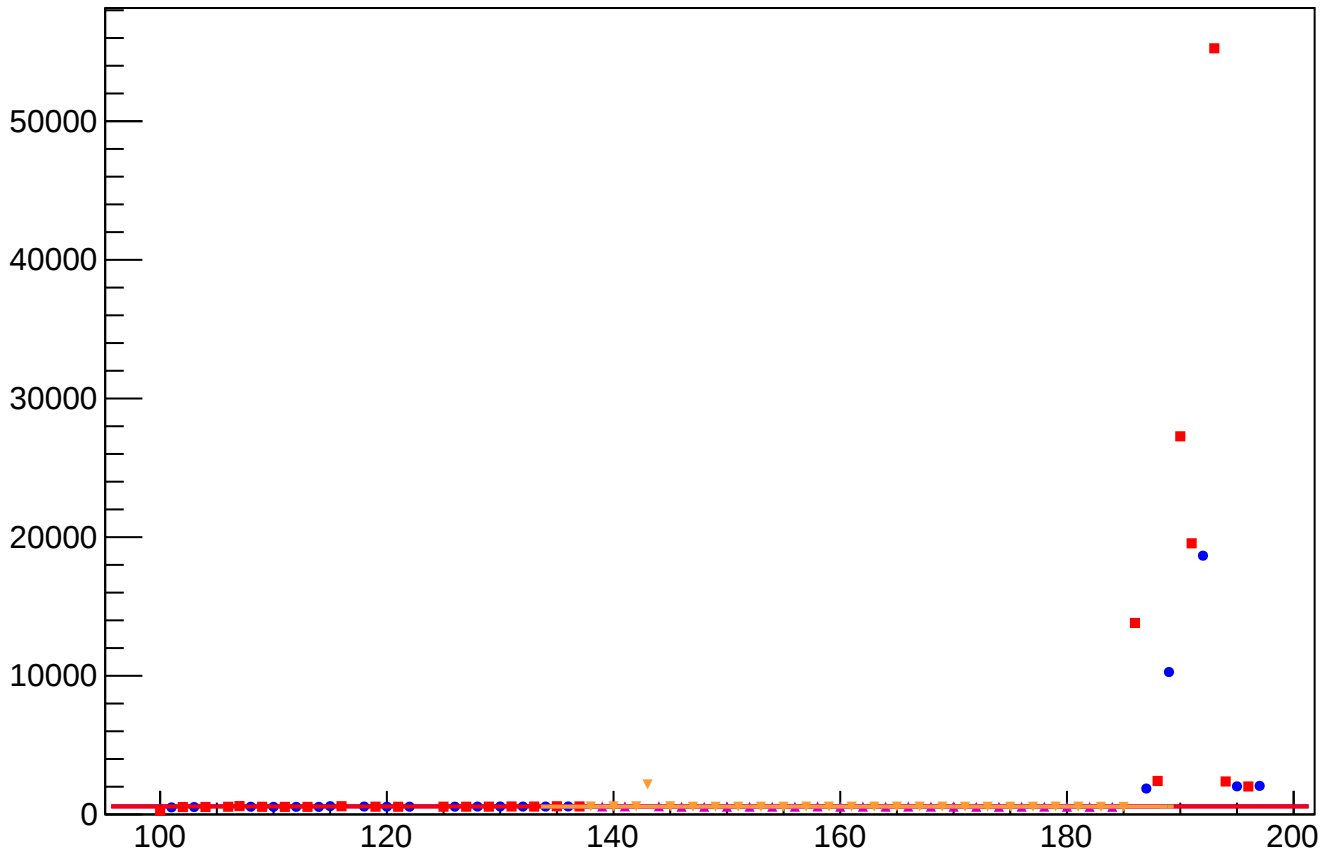
Left In: -958.517 $\pm$ 134.824 χ^2 /NDF: 26.8/22

+ sign 783.487 $\pm$ 113.468 χ^2 /NDF: 34.8/45

All: -98.478 $\pm$ 80.030 χ^2 /NDF: 198.0/93

- sign -971.514 $\pm$ 112.892 χ^2 /NDF: 43.0/47

reg_asym_left_dd_rms vs Slug



Right In: 587.714+/-0.152 χ^2/NDF : 3263743.4/20

Left Out: 568.400+/-0.095 χ^2/NDF : 854012.8/24

Right Out: 575.200+/-0.146 χ^2/NDF : 3684435.3/24

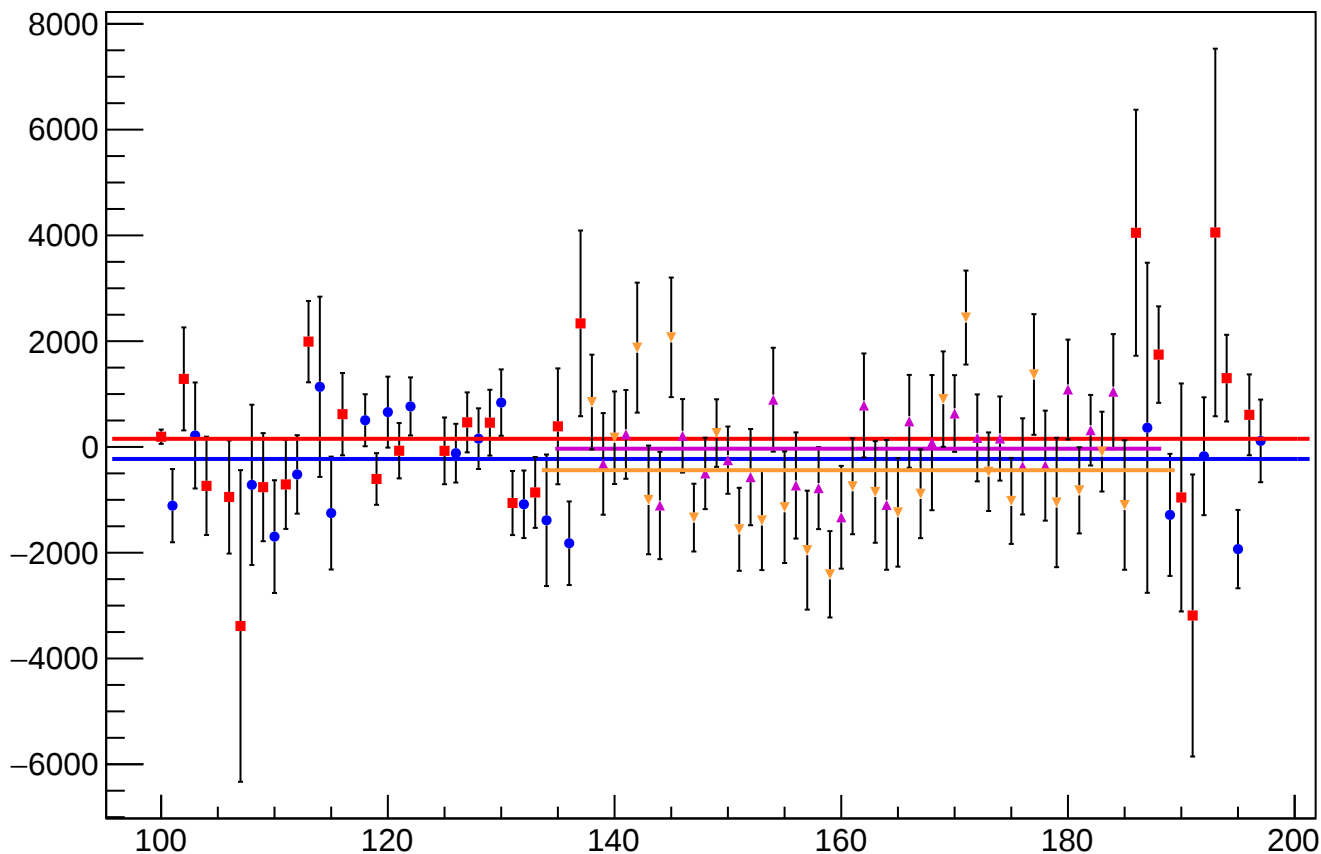
Left In: 563.934+/-0.095 χ^2/NDF : 9204.6/22

+ sign 573.812+/-0.080 χ^2/NDF : 4129444.0/45

All: 570.540+/-0.057 χ^2/NDF : 7830567.2/93

- sign 567.301+/-0.080 χ^2/NDF : 3697813.7/47

asym_left_dd_correction_mean vs Slug



Right In: -226.956+/-167.258 χ^2/NDF : 29.2/20

Left Out: -439.659+/-177.808 χ^2/NDF : 43.6/24

Right Out: 153.828+/-104.832 χ^2/NDF : 35.2/24

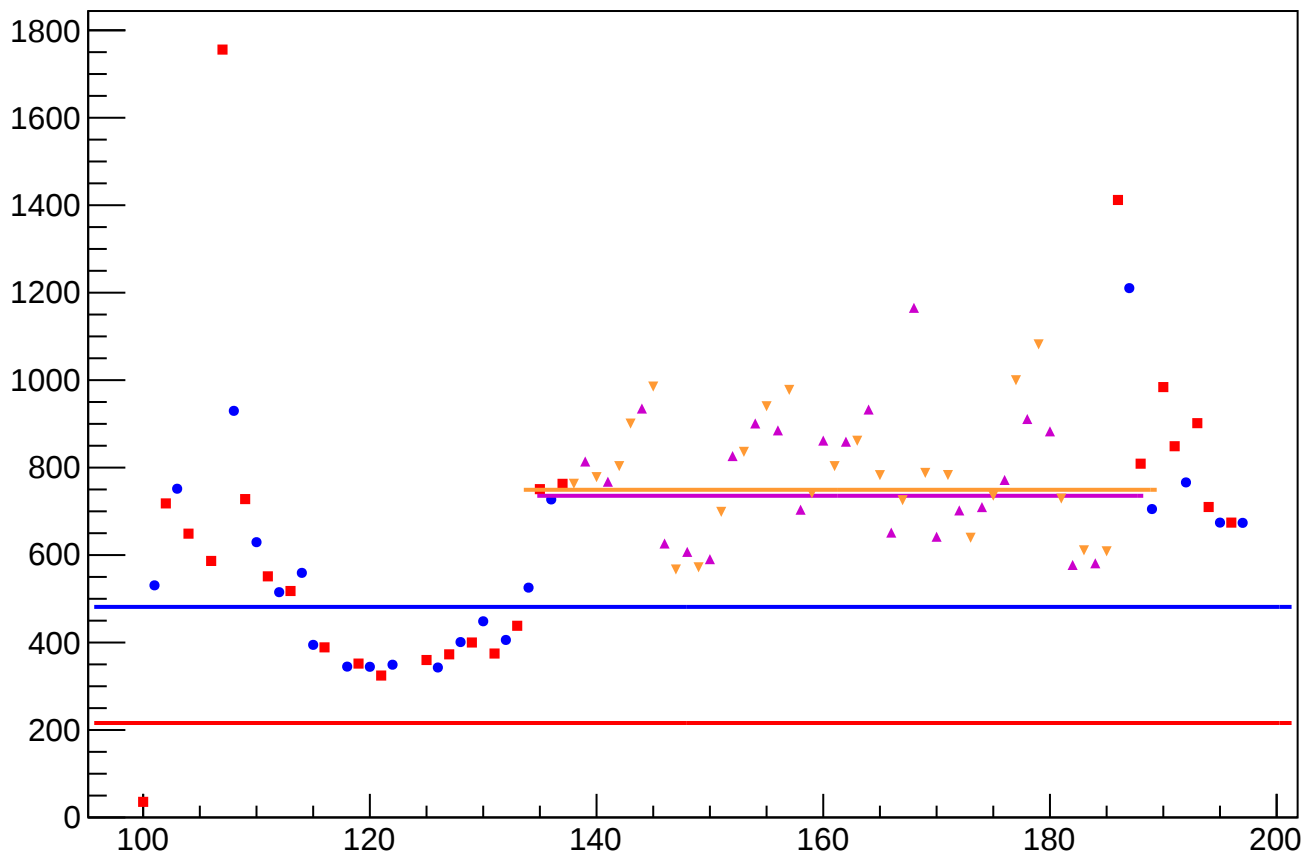
Left In: -33.325+/-179.355 χ^2/NDF : 12.1/22

+ sign -326.811+/-121.829 χ^2/NDF : 73.6/45

All: -47.809+/-72.652 χ^2/NDF : 129.8/93

- sign 106.171+/-90.506 χ^2/NDF : 48.1/47

asym_left_dd_correction_rms vs Slug



Right In: 481.466 $\pm$ 0.118 χ^2 /NDF: 1708448.1/20

Left Out: 749.270 $\pm$ 0.126 χ^2 /NDF: 1054352.9/24

Right Out: 215.985 $\pm$ 0.074 χ^2 /NDF: 11513209.9/24

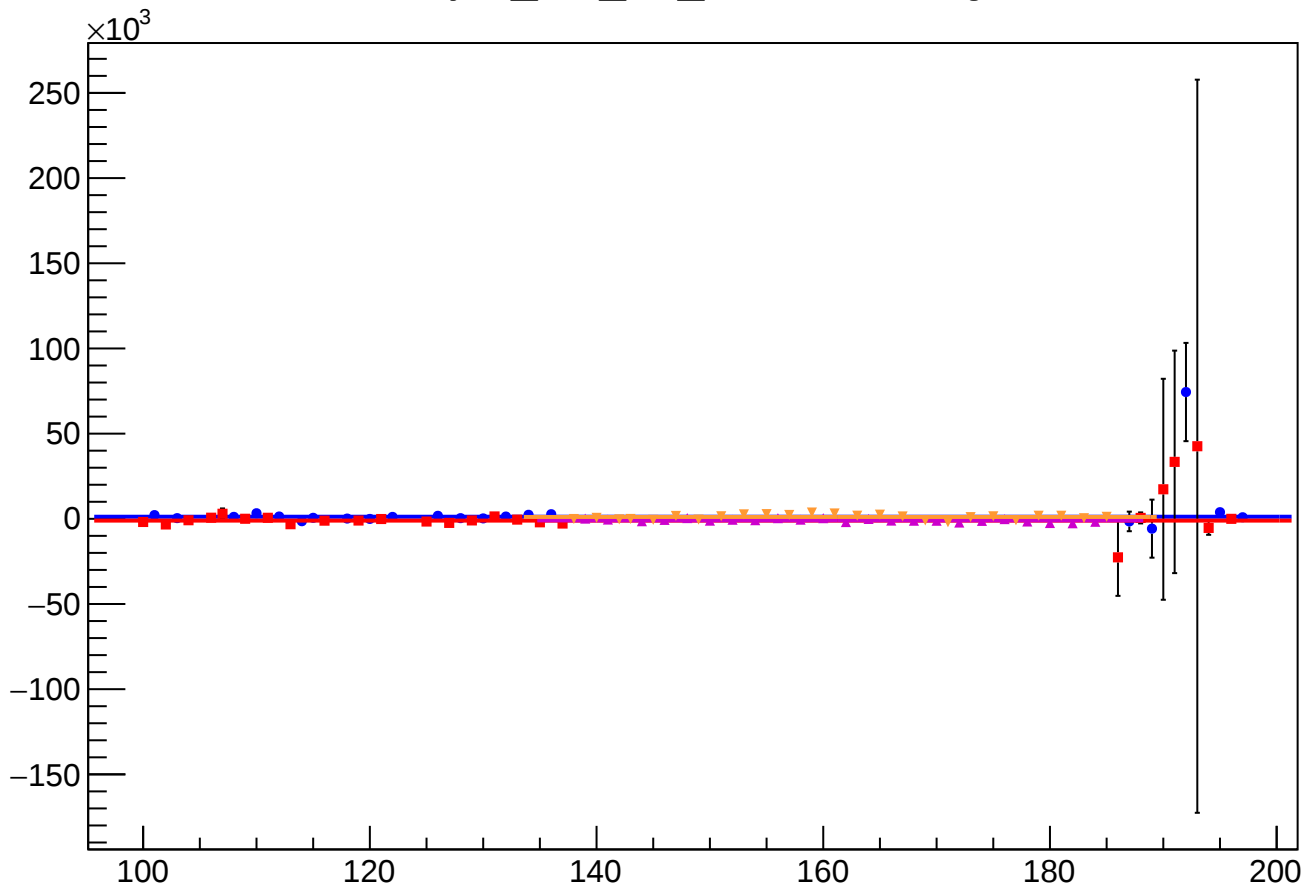
Left In: 735.543 $\pm$ 0.127 χ^2 /NDF: 1105222.3/22

+ sign 607.188 $\pm$ 0.086 χ^2 /NDF: 5169824.0/45

All: 440.359 $\pm$ 0.051 χ^2 /NDF: 36117826.9/93

- sign 348.286 $\pm$ 0.064 χ^2 /NDF: 25127785.8/47

asym_left_dd_mean vs Slug



Right In: 1223.948 $\pm$ 291.141 χ^2 /NDF: 19.8/20

Left Out: 1096.531 $\pm$ 227.868 χ^2 /NDF: 38.4/24

Right Out: -1044.683 $\pm$ 278.006 χ^2 /NDF: 25.3/24

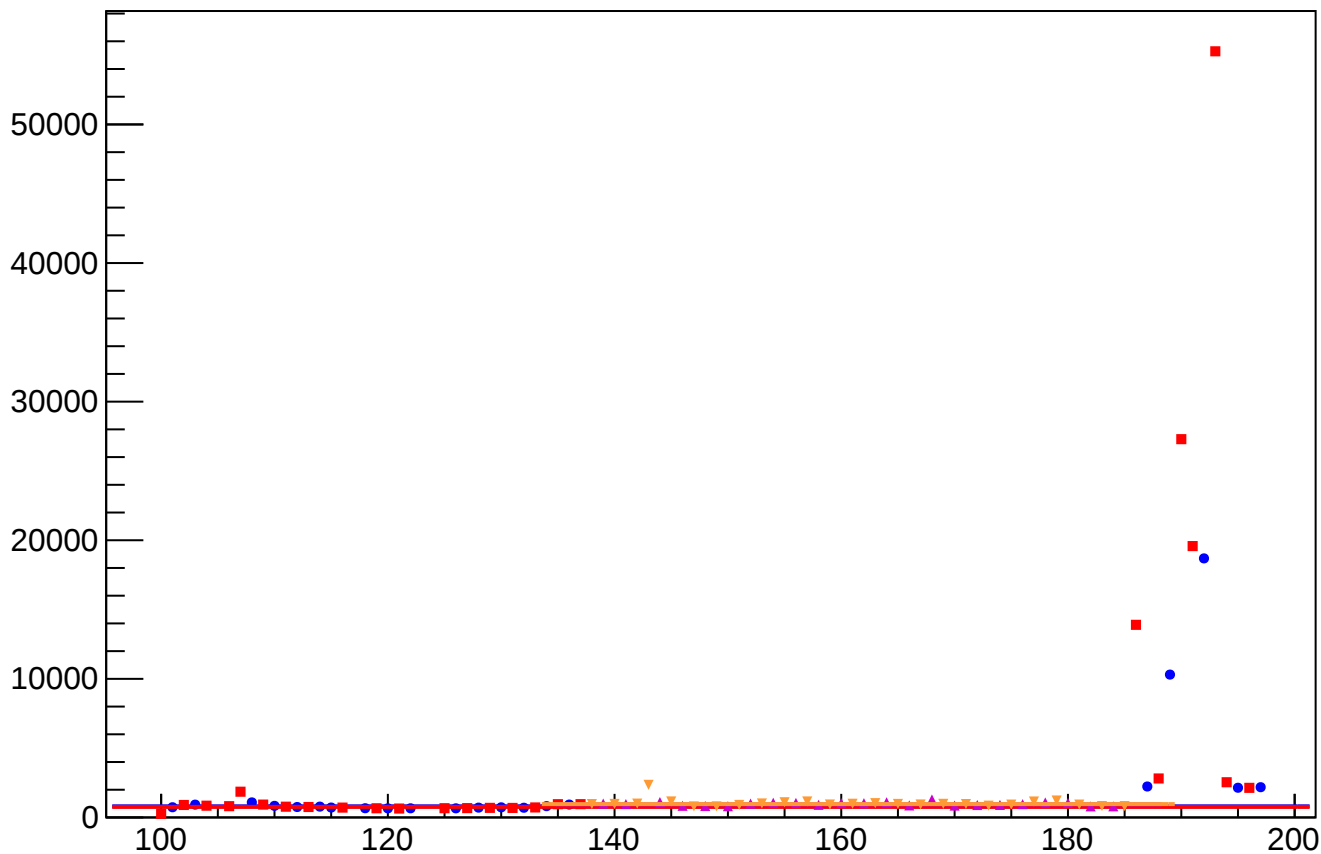
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

+ sign 1144.934 $\pm$ 179.442 χ^2 /NDF: 58.4/45

All: 67.295 $\pm$ 125.790 χ^2 /NDF: 169.8/93

- sign -973.943 $\pm$ 176.385 χ^2 /NDF: 40.5/47

asym_left_dd_rms vs Slug



Right In: 802.477 $\pm$ 0.206 χ^2 /NDF: 3087784.7/20

Left Out: 963.933 $\pm$ 0.161 χ^2 /NDF:1003095.2/24

Right Out: 763.257 $\pm$ 0.197 χ^2 /NDF: 4175058.2/24

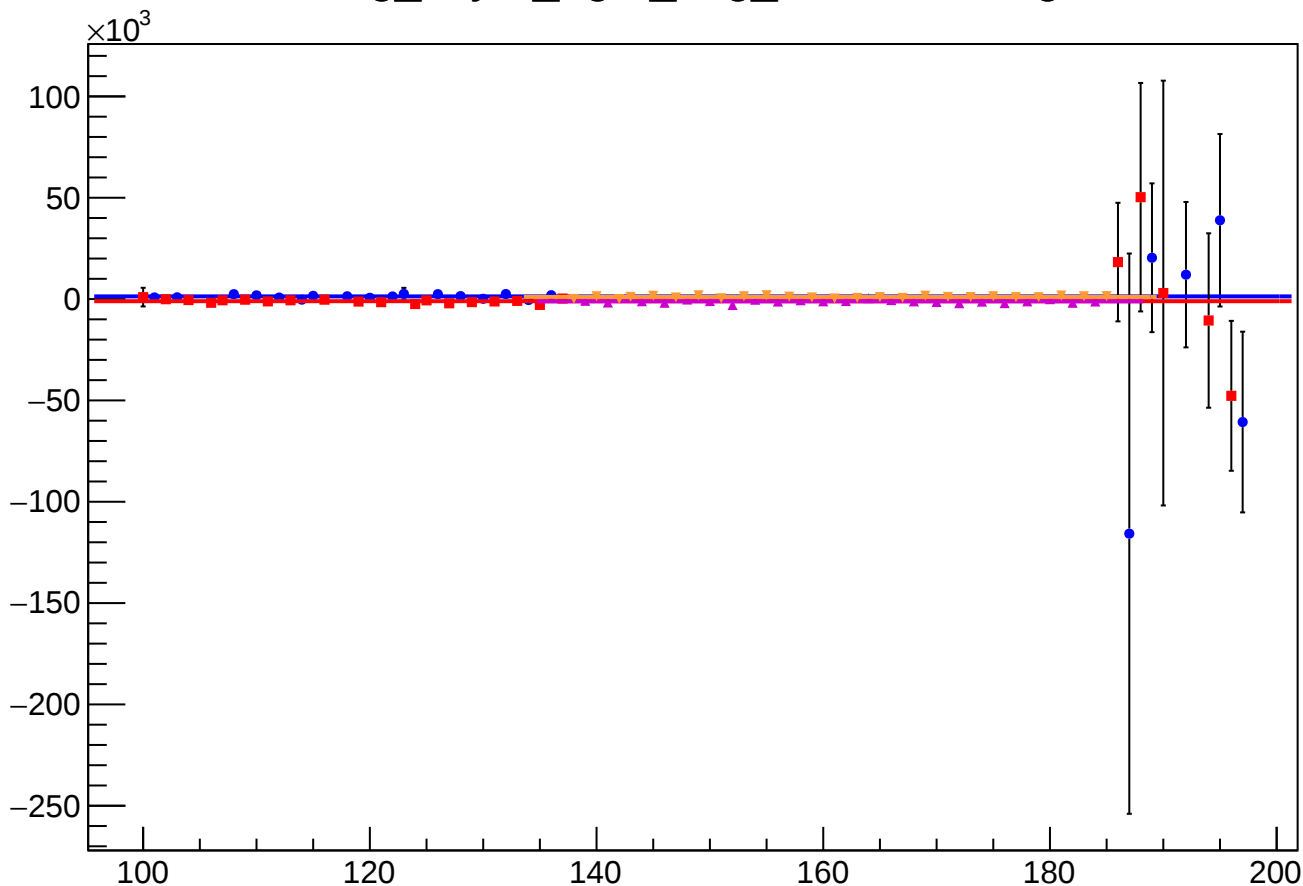
Left In: 946.041 $\pm$ 0.161 χ^2 /NDF:501442.7/22

+ sign 902.600 $\pm$ 0.127 χ^2 /NDF: 4472308.8/45

All: 887.272 $\pm$ 0.089 χ^2 /NDF: 9694039.8/93

- sign 872.462 $\pm$ 0.125 χ^2 /NDF: 5193038.3/47

reg_asym_right_avg_mean vs Slug



Right In: 1324.334+/-218.586 χ^2/NDF : 16.6/21

Left Out: 1073.626+/-129.690 χ^2/NDF : 15.1/24

Right Out: -1040.511+/-212.066 χ^2/NDF : 16.4/23

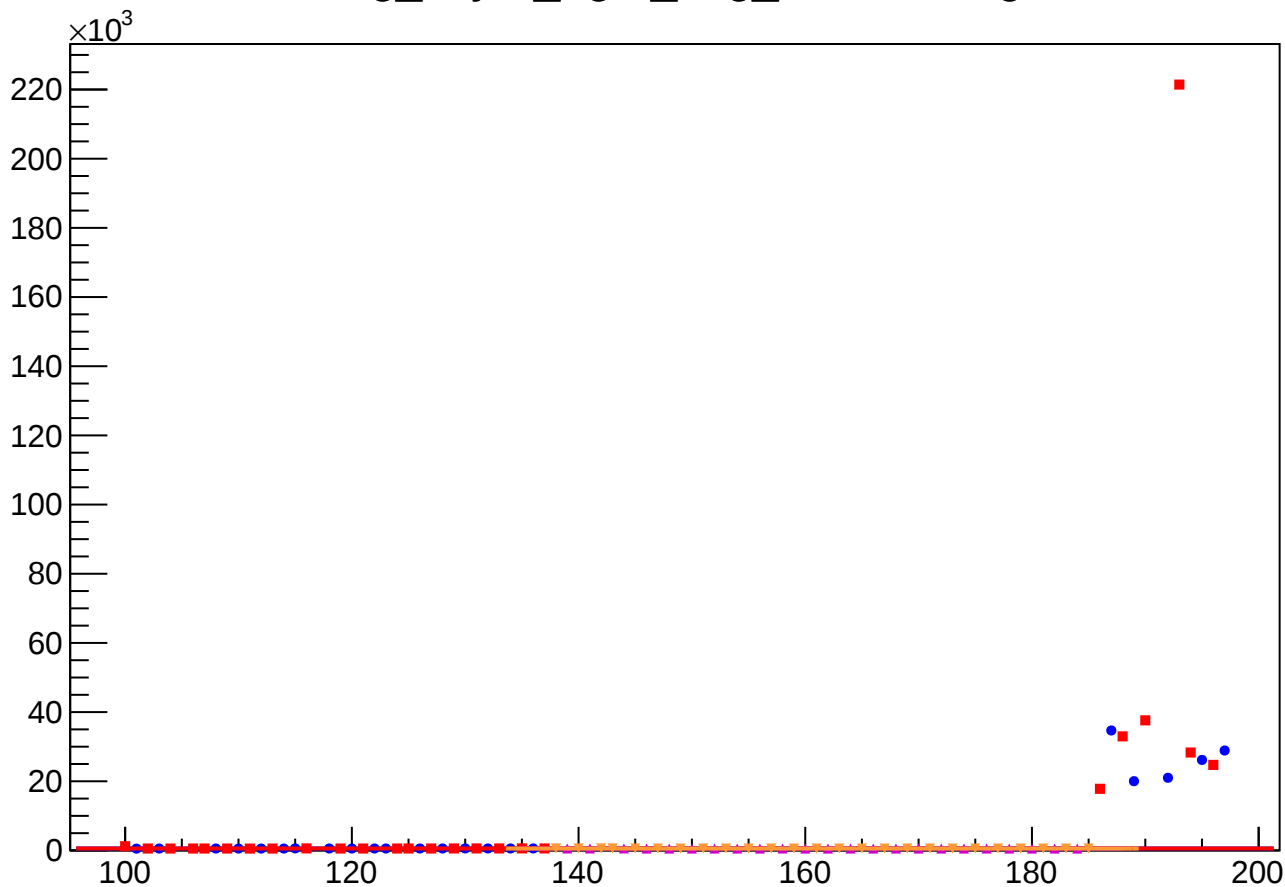
Left In: -1123.857+/-133.163 χ^2/NDF : 30.0/22

+ sign 1138.901+/-111.536 χ^2/NDF : 32.7/46

All: 31.660+/-79.302 χ^2/NDF : 278.5/93

- sign -1100.287+/-112.773 χ^2/NDF : 46.5/46

reg_asym_right_avg_rms vs Slug



Right In: 566.433 $\pm$ 0.155 χ^2 /NDF: 2899931.6/21

Left Out: 557.534 $\pm$ 0.092 χ^2 /NDF: 14752.8/24

Right Out: 568.357 $\pm$ 0.150 χ^2 /NDF: 3500590.8/24

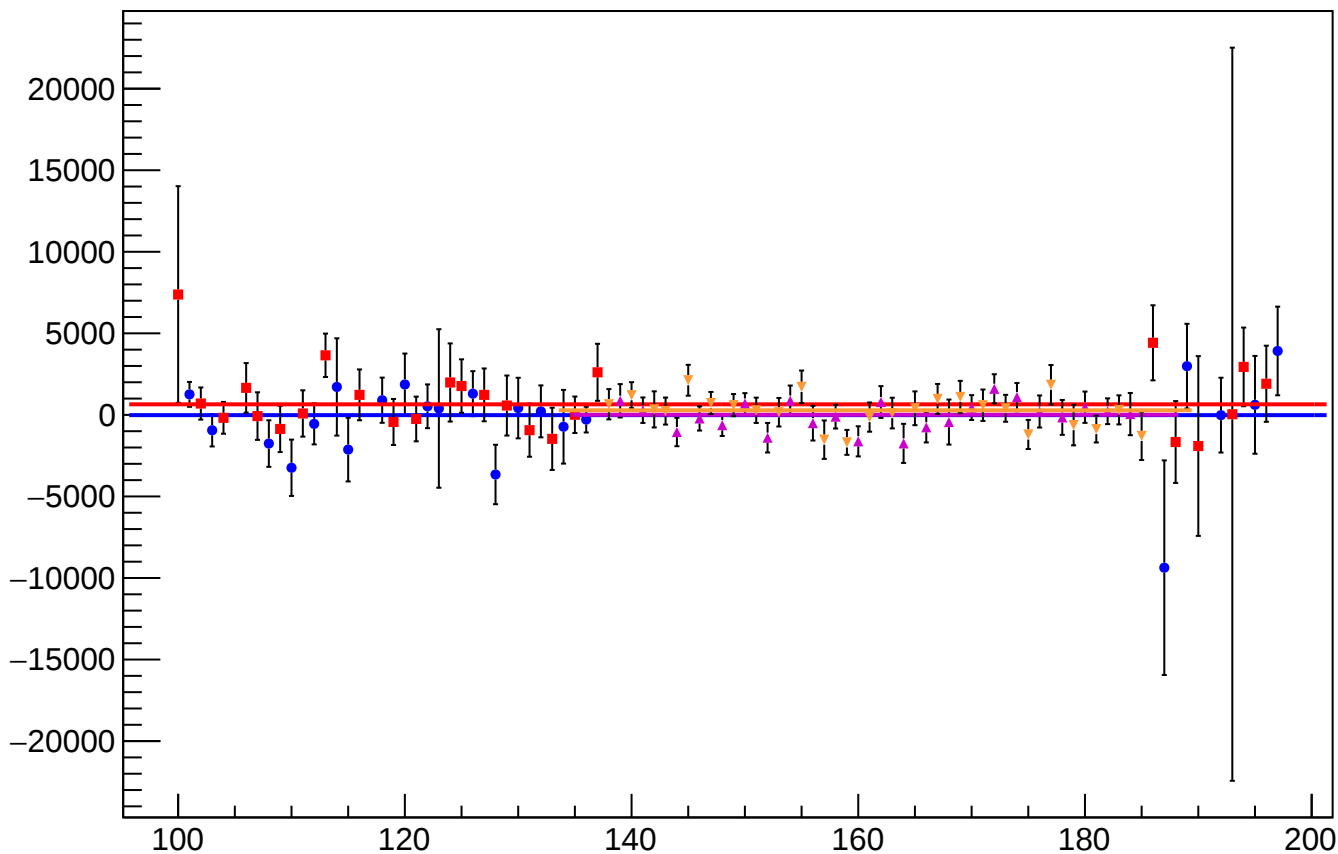
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF: 11209.7/22

+ sign 559.851 $\pm$ 0.079 χ^2 /NDF: 2917135.9/46

All: 560.018 $\pm$ 0.056 χ^2 /NDF: 6433081.6/94

- sign 560.189 $\pm$ 0.080 χ^2 /NDF: 3515936.6/47

asym_right_avg_correction_mean vs Slug



Right In: -15.180 ± 318.013 χ^2/NDF : 22.6/21

Left Out: 281.875 ± 180.423 χ^2/NDF : 26.7/24

Right Out: 647.779 ± 320.133 χ^2/NDF : 19.6/24

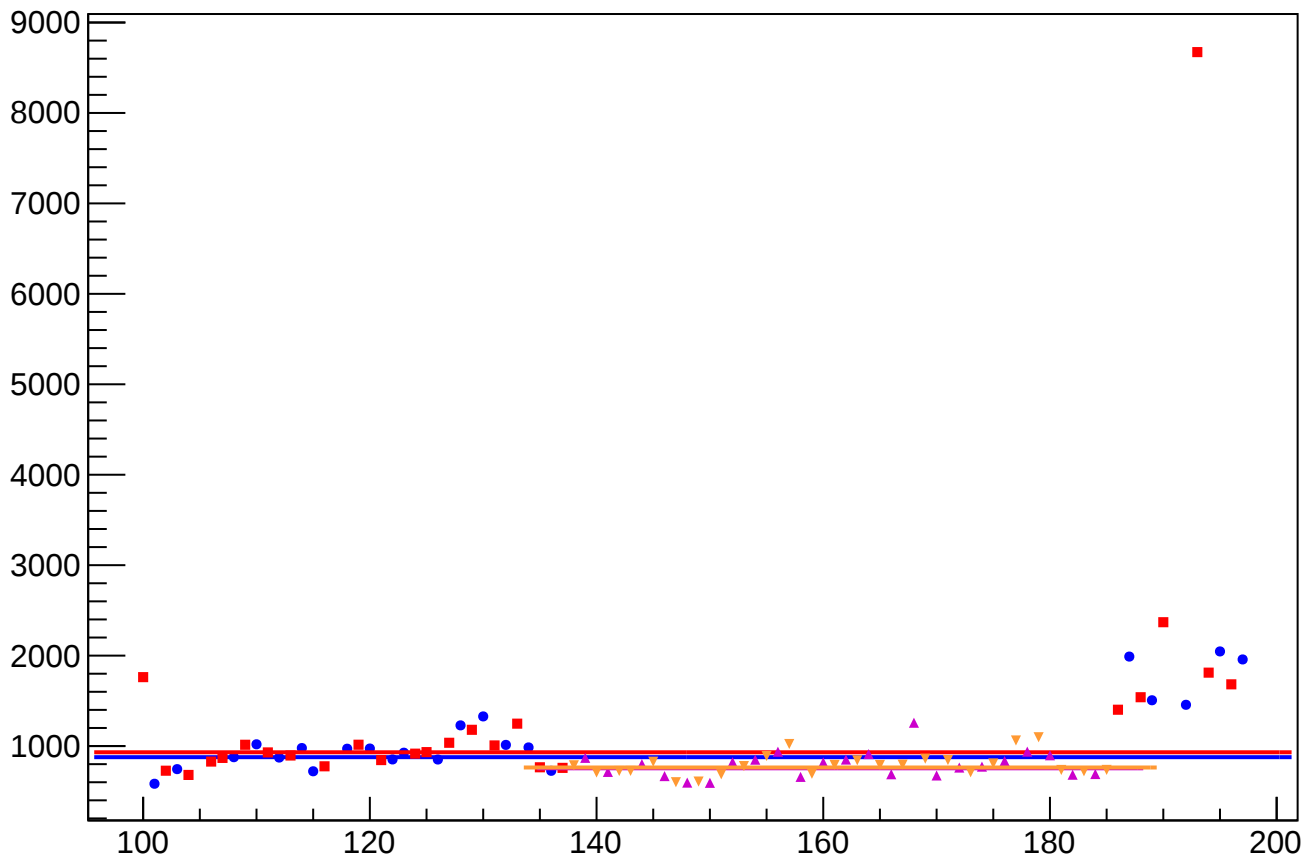
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 209.541 ± 156.927 χ^2/NDF : 50.0/46

All: 188.184 ± 111.733 χ^2/NDF : 92.8/94

- sign 166.225 ± 159.124 χ^2/NDF : 42.8/47

asym_right_avg_correction_rms vs Slug



Right In: 877.131+/-0.225 χ^2/NDF : 1584197.4/21

Left Out: 763.085+/-0.128 χ^2/NDF : 753700.1/24

Right Out: 931.264+/-0.226 χ^2/NDF : 1523774.4/24

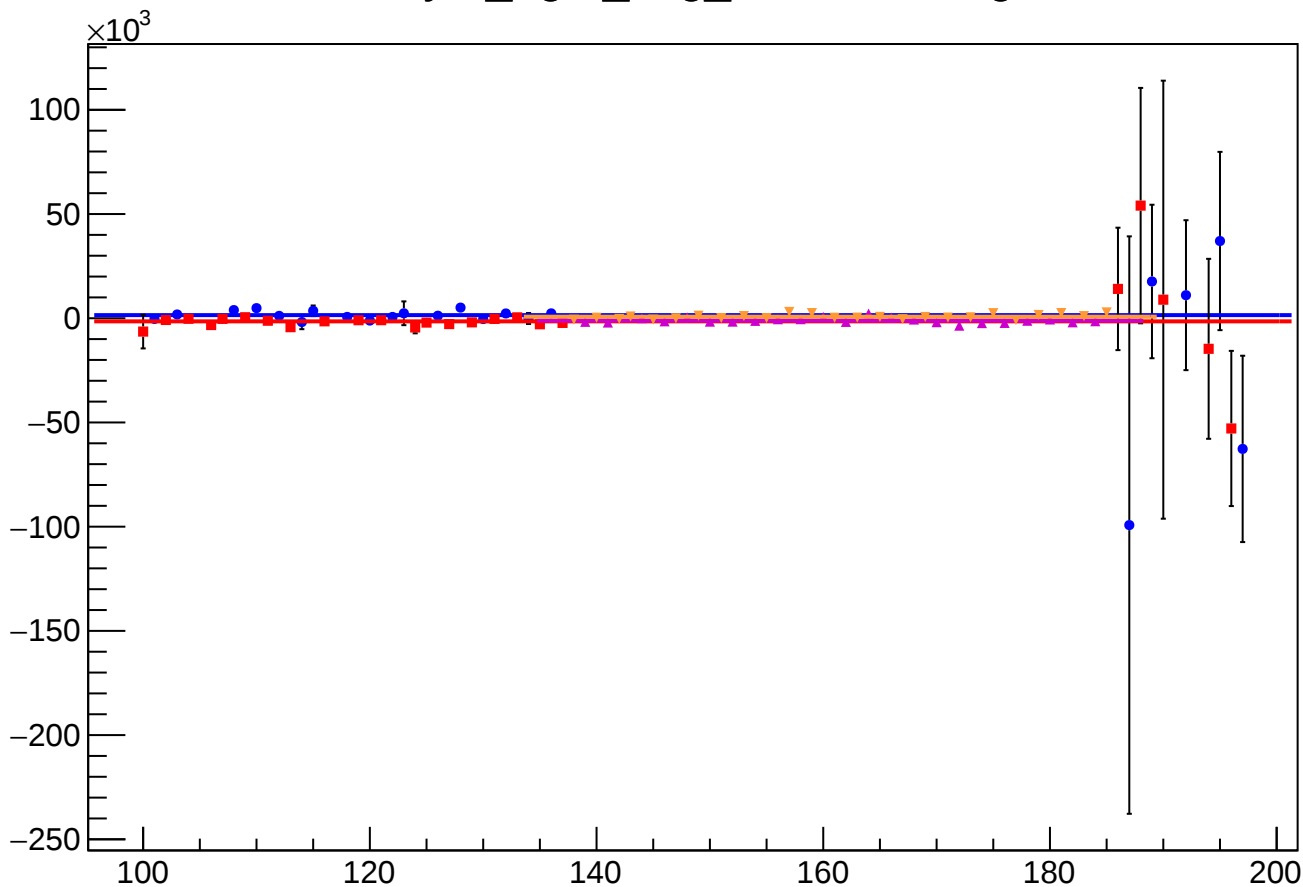
Left In: 754.099+/-0.130 χ^2/NDF : 931829.3/22

+ sign 790.855+/-0.111 χ^2/NDF : 2532483.1/46

All: 794.314+/-0.079 χ^2/NDF : 5451250.5/94

- sign 797.870+/-0.113 χ^2/NDF : 2916797.1/47

asym_right_avg_mean vs Slug



Right In: 1498.191 ± 402.582 χ^2/NDF : 20.7/21

Left Out: 739.641 ± 225.535 χ^2/NDF : 21.5/24

Right Out: -1488.998 ± 400.627 χ^2/NDF : 15.3/23

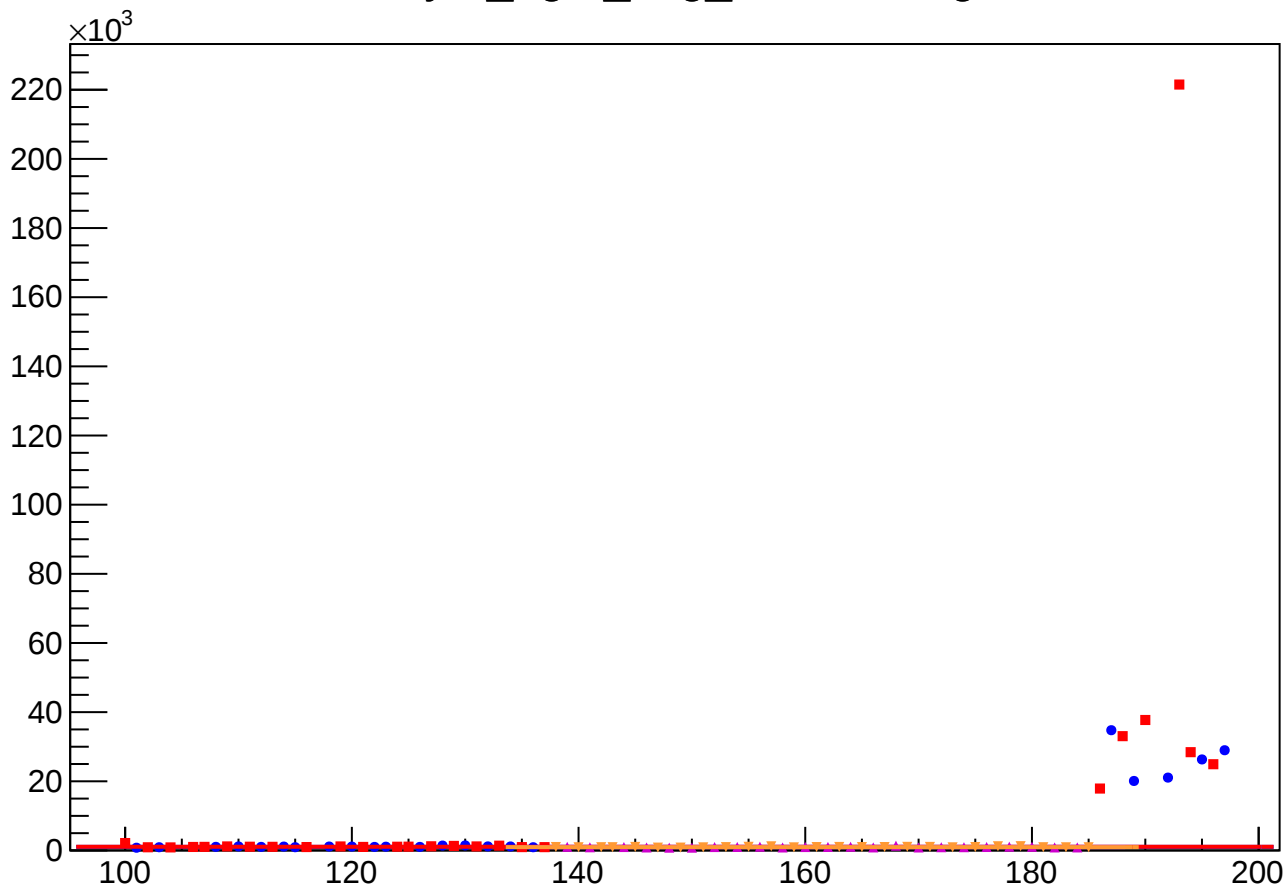
Left In: -1124.587 ± 230.065 χ^2/NDF : 25.4/22

+ sign 920.841 ± 196.762 χ^2/NDF : 44.9/46

All: -132.257 ± 140.093 χ^2/NDF : 144.2/93

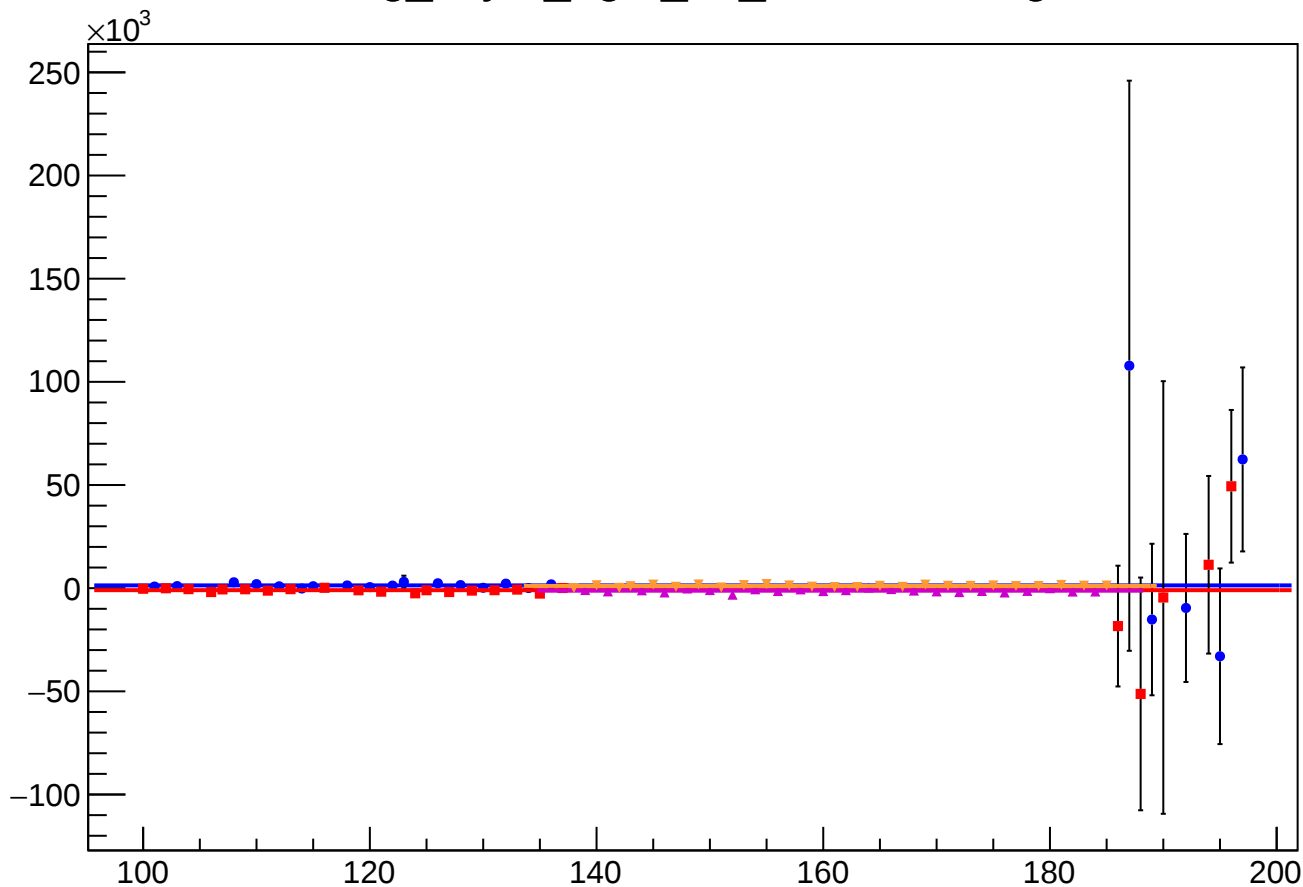
- sign -1214.959 ± 199.508 χ^2/NDF : 41.3/46

asym_right_avg_rms vs Slug



Right In: 1031.661 $\pm$ 0.285 χ^2 /NDF: 3115476.5/21 + sign 978.835 $\pm$ 0.139 χ^2 /NDF: 3523658.3/46
Left Out: 962.256 $\pm$ 0.159 χ^2 /NDF: 362937.6/24 All: 980.823 $\pm$ 0.099 χ^2 /NDF: 7646068.9/94
Right Out: 1068.452 $\pm$ 0.283 χ^2 /NDF: 3557227.6/24 - sign 982.867 $\pm$ 0.141 χ^2 /NDF: 4121996.4/47
Left In: 954.643 $\pm$ 0.163 χ^2 /NDF: 443395.0/22

reg_asym_right_dd_mean vs Slug



Right In: 1345.236 $\pm$ 218.841 χ^2 /NDF: 15.4/21

Left Out: 1087.627 $\pm$ 129.821 χ^2 /NDF:14.9/24

Right Out: -965.135 $\pm$ 208.601 χ^2 /NDF: 15.3/23

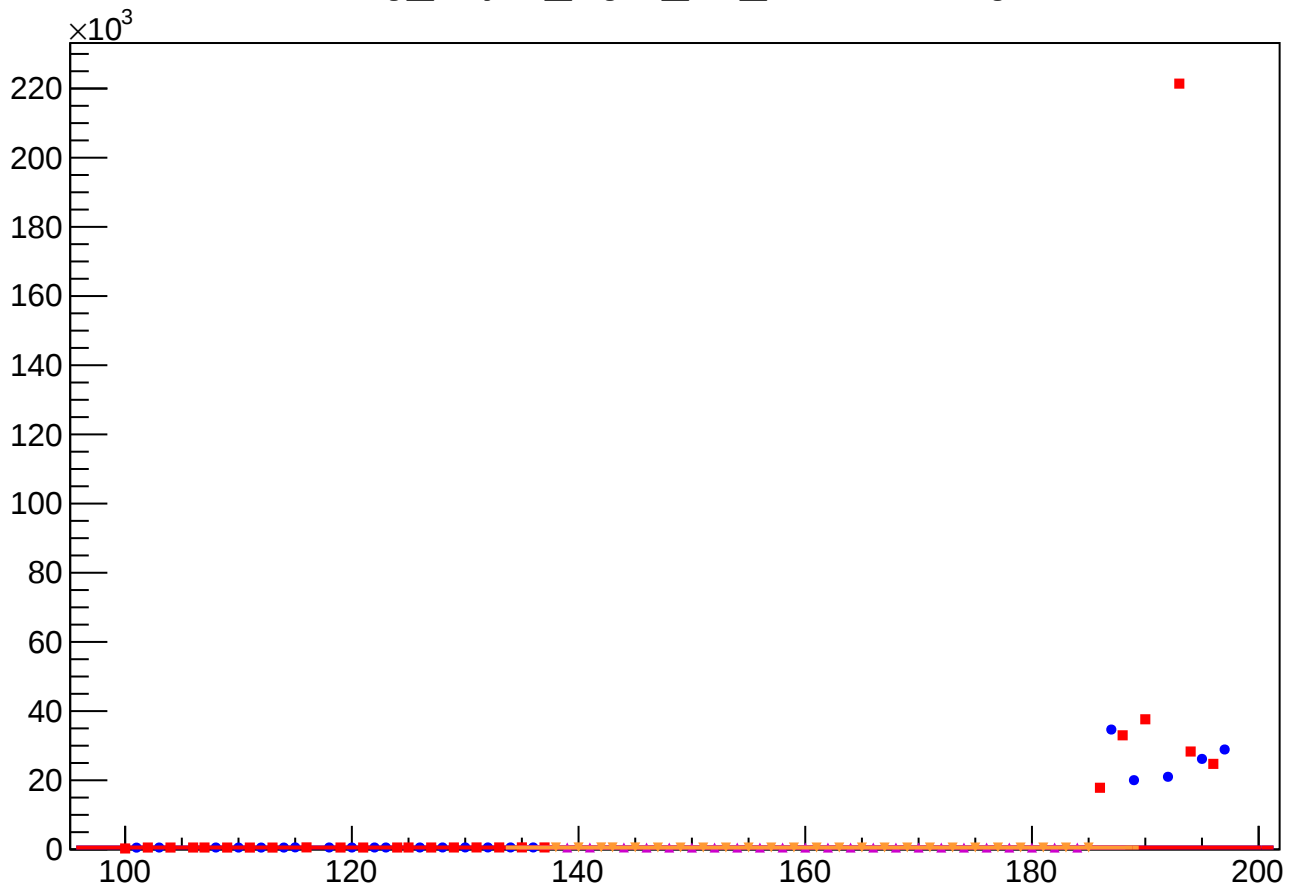
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

+ sign 1154.684 $\pm$ 111.653 χ^2 /NDF: 31.4/46

All: 22.044 $\pm$ 79.190 χ^2 /NDF: 286.7/93

- sign -1124.423 $\pm$ 112.333 χ^2 /NDF: 48.3/46

reg_asym_right_dd_rms vs Slug



Right In: 567.091 $\pm$ 0.155 χ^2 /NDF: 2900003.1/21

Left Out: 558.099 $\pm$ 0.092 χ^2 /NDF:14785.2/24

Right Out: 557.394 $\pm$ 0.148 χ^2 /NDF: 3586808.9/24

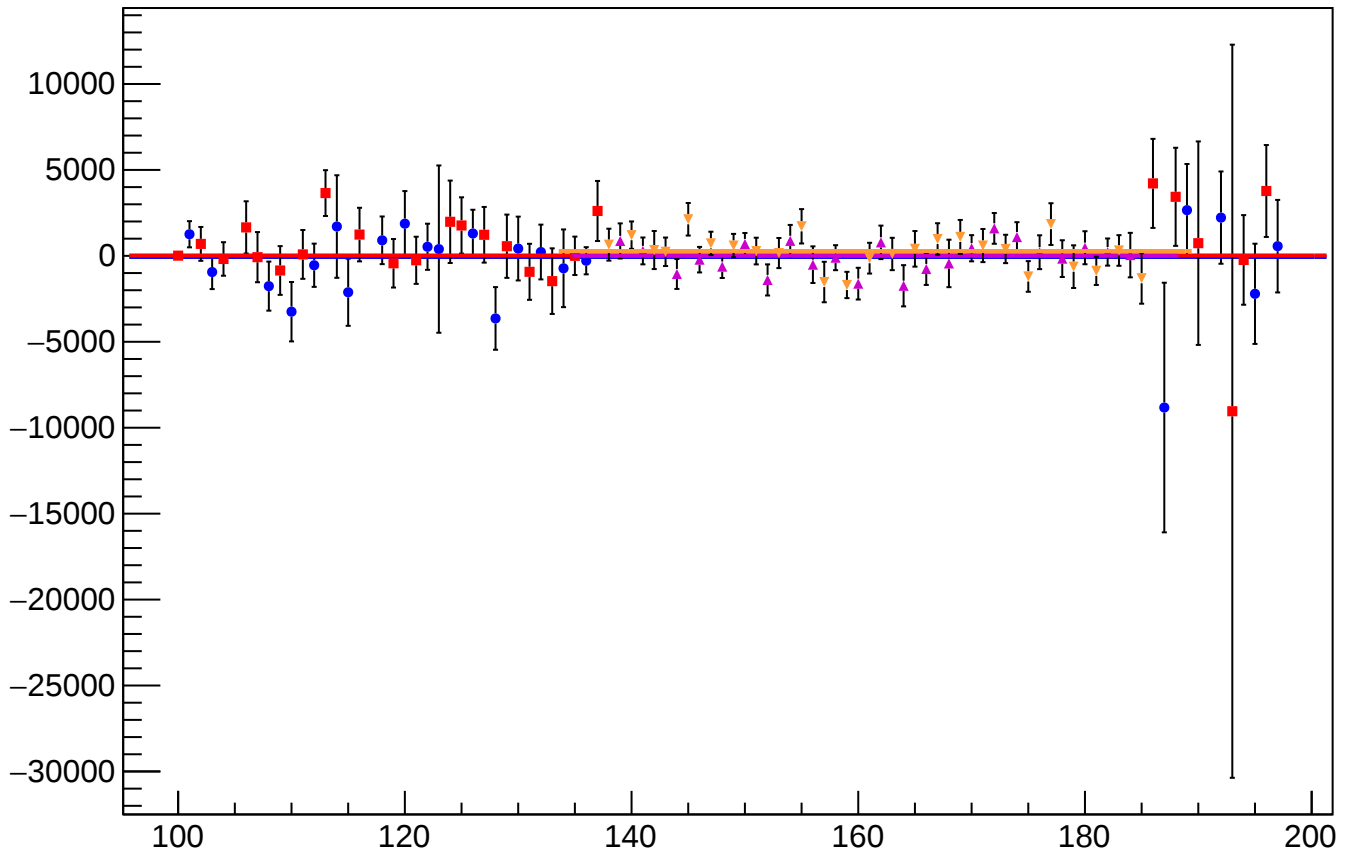
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF:11276.8/22

+ sign 560.440 $\pm$ 0.079 χ^2 /NDF: 2917286.2/46

All: 558.998 $\pm$ 0.056 χ^2 /NDF: 6516044.6/94

- sign 557.538 $\pm$ 0.079 χ^2 /NDF: 3598087.0/47

asym_right_dd_correction_mean vs Slug



Right In: -63.376 ± 319.009 χ^2/NDF : 20.8/21

Left Out: 281.402 ± 180.478 χ^2/NDF : 26.8/24

Right Out: 22.402 ± 38.938 χ^2/NDF : 22.1/24

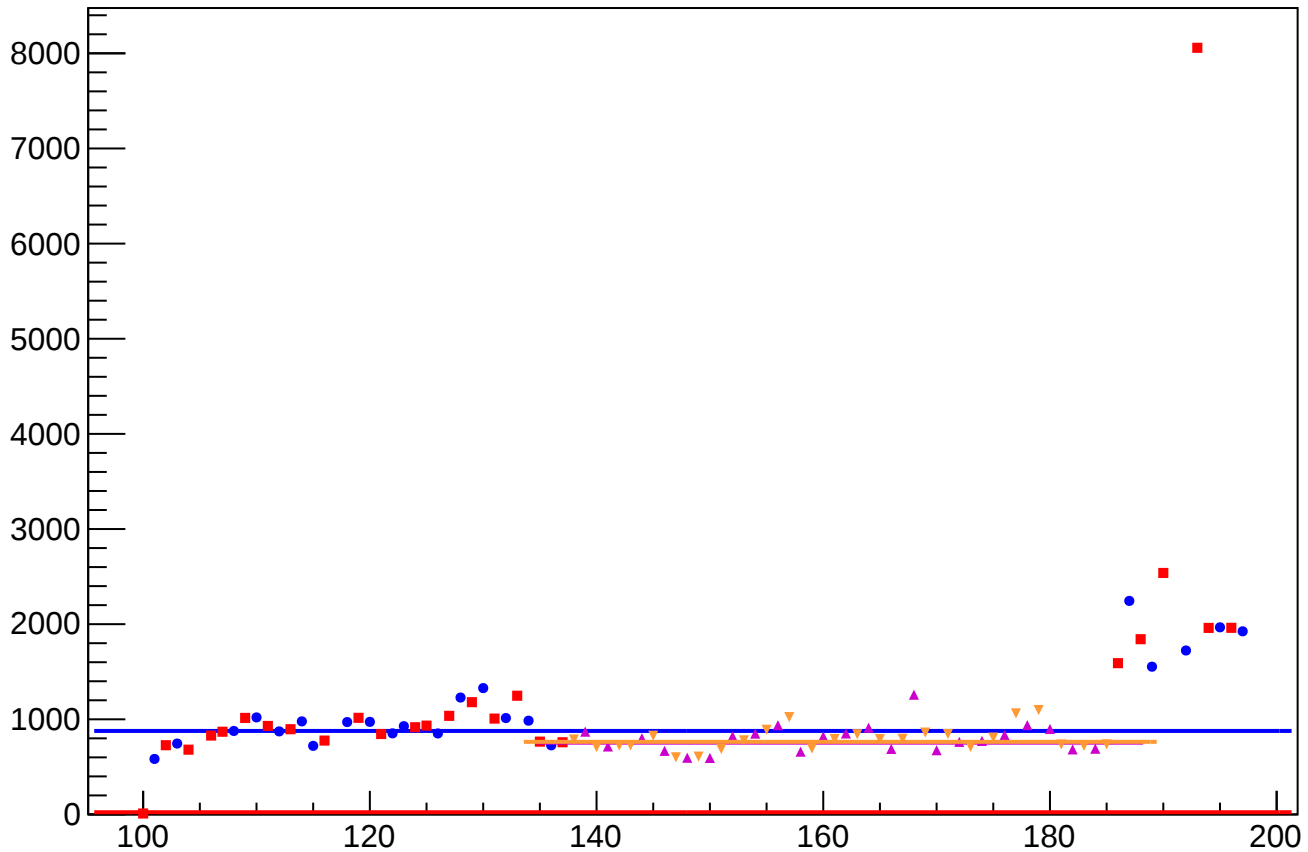
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 197.806 ± 157.082 χ^2/NDF : 48.5/46

All: 31.528 ± 37.017 χ^2/NDF : 92.0/94

- sign 21.752 ± 38.089 χ^2/NDF : 42.2/47

asym_right_dd_correction_rms vs Slug



Right In: 877.847 ± 0.226 χ^2/NDF : 1639895.1/21

Left Out: 763.307 ± 0.128 χ^2/NDF : 753728.9/24

+ sign 791.079 ± 0.111 χ^2/NDF : 2588943.2/46

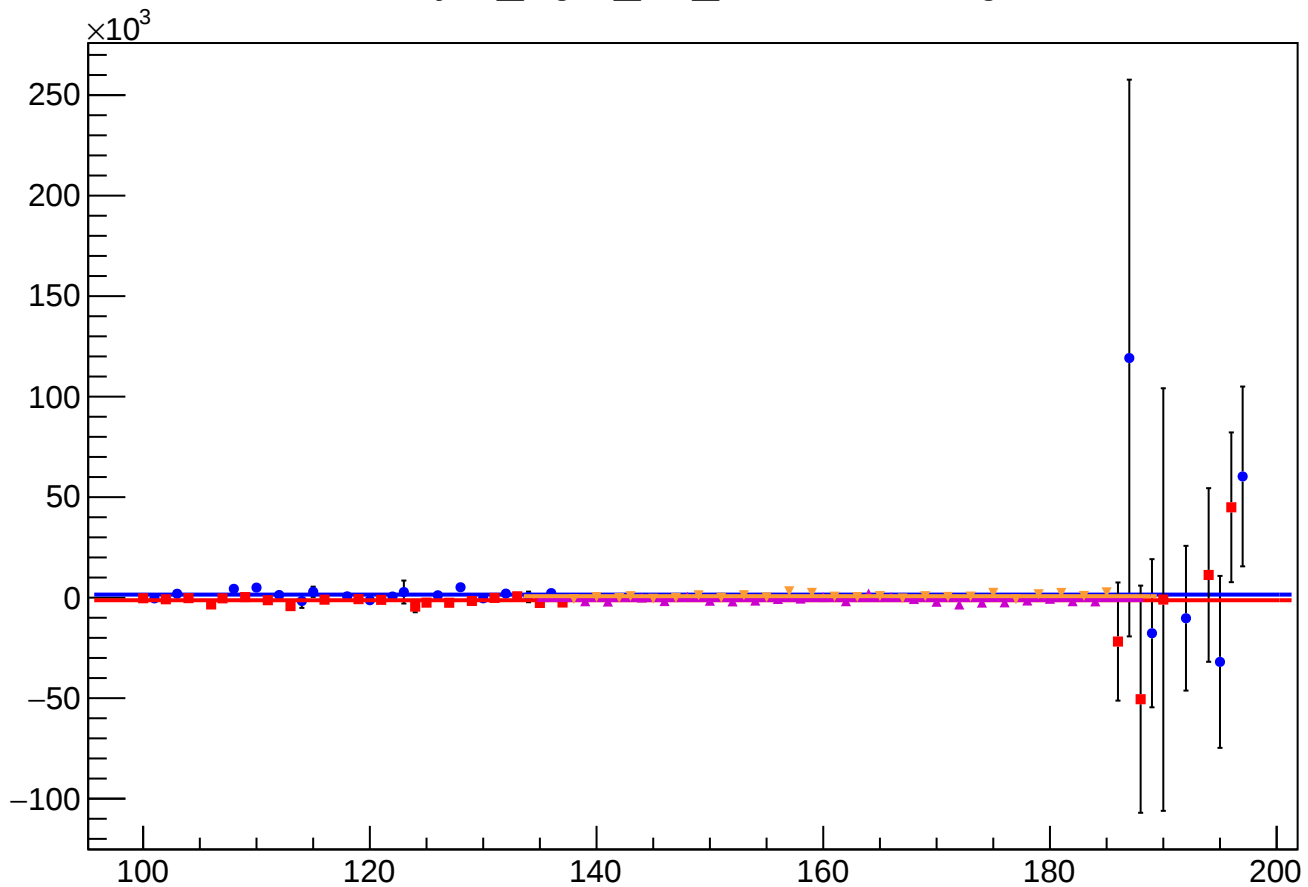
Right Out: 23.444 ± 0.028 χ^2/NDF : 17826966.2/24

All: 95.829 ± 0.026 χ^2/NDF : 93213809.3/94

Left In: 754.483 ± 0.130 χ^2/NDF : 931536.8/22

- sign 54.950 ± 0.027 χ^2/NDF : 49141712.5/47

asym_right_dd_mean vs Slug



Right In: 1518.514 ± 402.805 χ^2/NDF : 21.2/21

Left Out: 742.825 ± 225.658 χ^2/NDF : 20.2/24

Right Out: -1287.409 ± 376.604 χ^2/NDF : 15.2/23

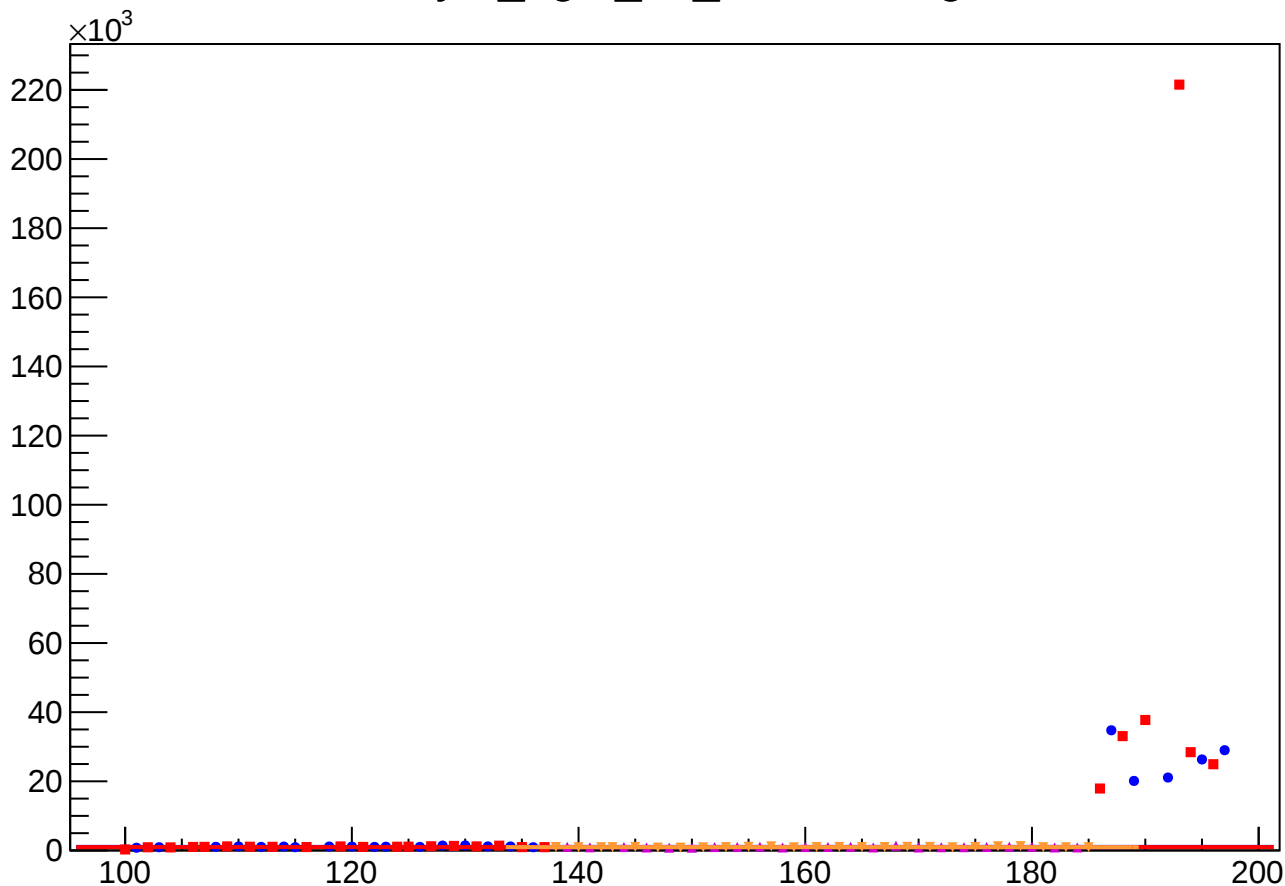
Left In: -1176.288 ± 230.229 χ^2/NDF : 24.2/22

+ sign 928.116 ± 196.870 χ^2/NDF : 44.3/46

All: -141.583 ± 139.053 χ^2/NDF : 142.8/93

- sign -1206.519 ± 196.431 χ^2/NDF : 39.5/46

asym_right_dd_rms vs Slug



Right In: 1032.239 ± 0.285 χ^2/NDF : 3115627.6/21

Left Out: 962.776 ± 0.160 χ^2/NDF : 362837.8/24

Right Out: 973.506 ± 0.266 χ^2/NDF : 4418266.2/24

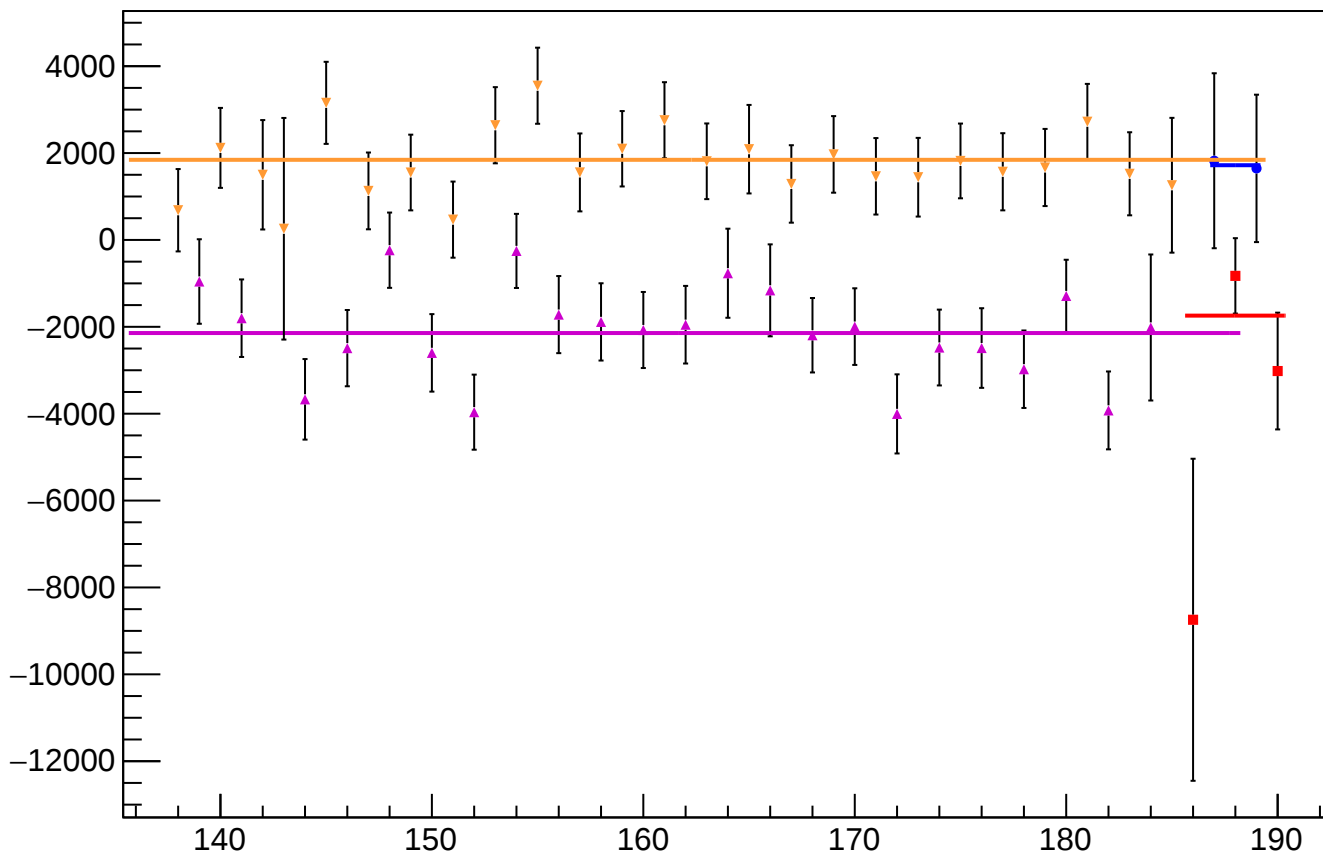
Left In: 955.331 ± 0.163 χ^2/NDF : 443068.5/22

+ sign 979.369 ± 0.139 χ^2/NDF : 3523734.0/46

All: 969.801 ± 0.098 χ^2/NDF : 8397887.5/94

- sign 960.275 ± 0.139 χ^2/NDF : 4864725.9/47

cor_asym_us_avg_mean vs Slug



Right In: 1720.097 ± 1297.686 χ^2/NDF : 0.0/1

Left Out: 1844.361 ± 186.909 χ^2/NDF : 15.4/24

Right Out: -1742.386 ± 715.276 χ^2/NDF : 5.6/2

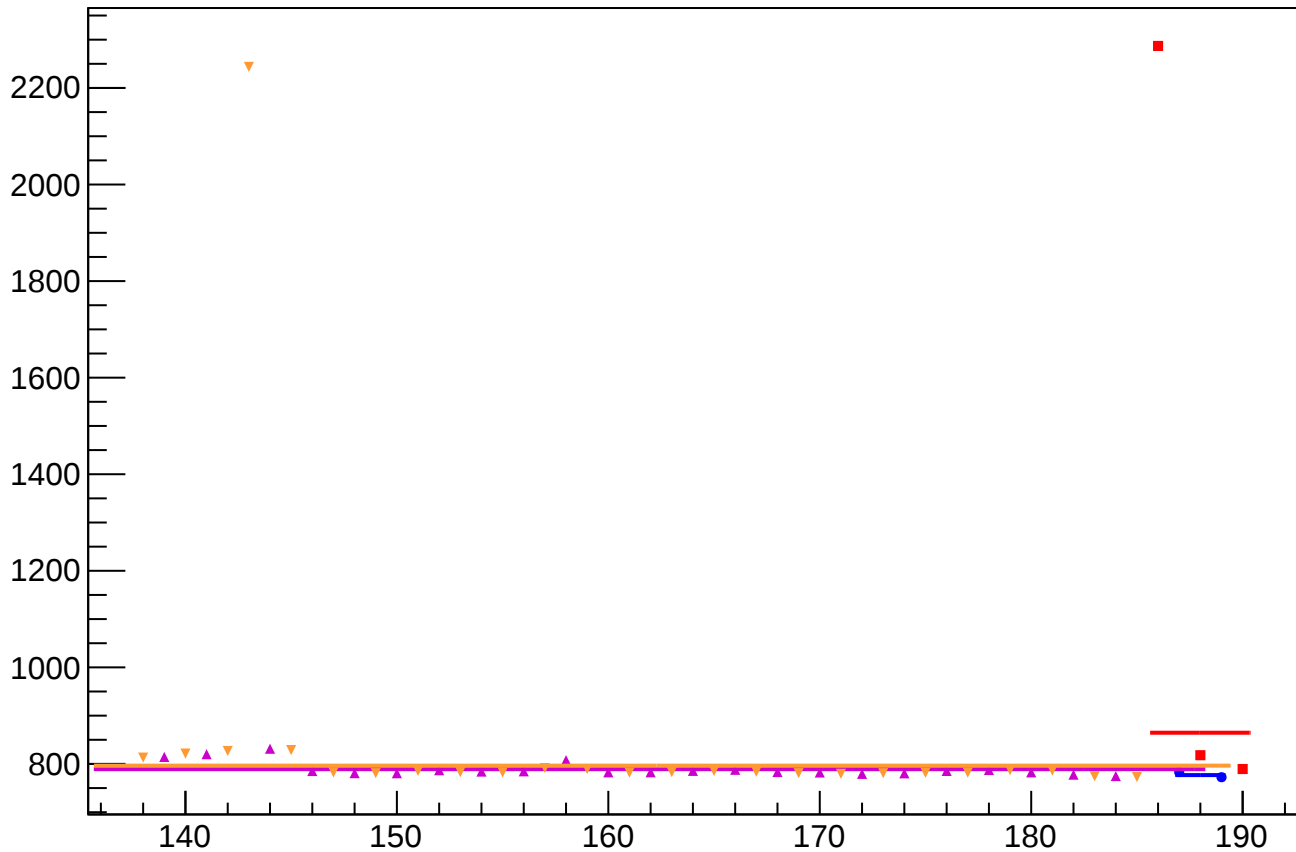
Left In: -2143.254 ± 190.144 χ^2/NDF : 32.4/22

+ sign 1841.835 ± 185.000 χ^2/NDF : 15.4/26

All: -150.766 ± 130.375 χ^2/NDF : 284.1/52

- sign -2116.795 ± 183.762 χ^2/NDF : 38.2/25

cor_asym_us_avg_rms vs Slug



Right In: 776.892 ± 0.918 χ^2/NDF : 32.5/1

Left Out: 796.470 ± 0.132 χ^2/NDF : 658729.4/24

Right Out: 864.658 ± 0.506 χ^2/NDF : 306489.7/2

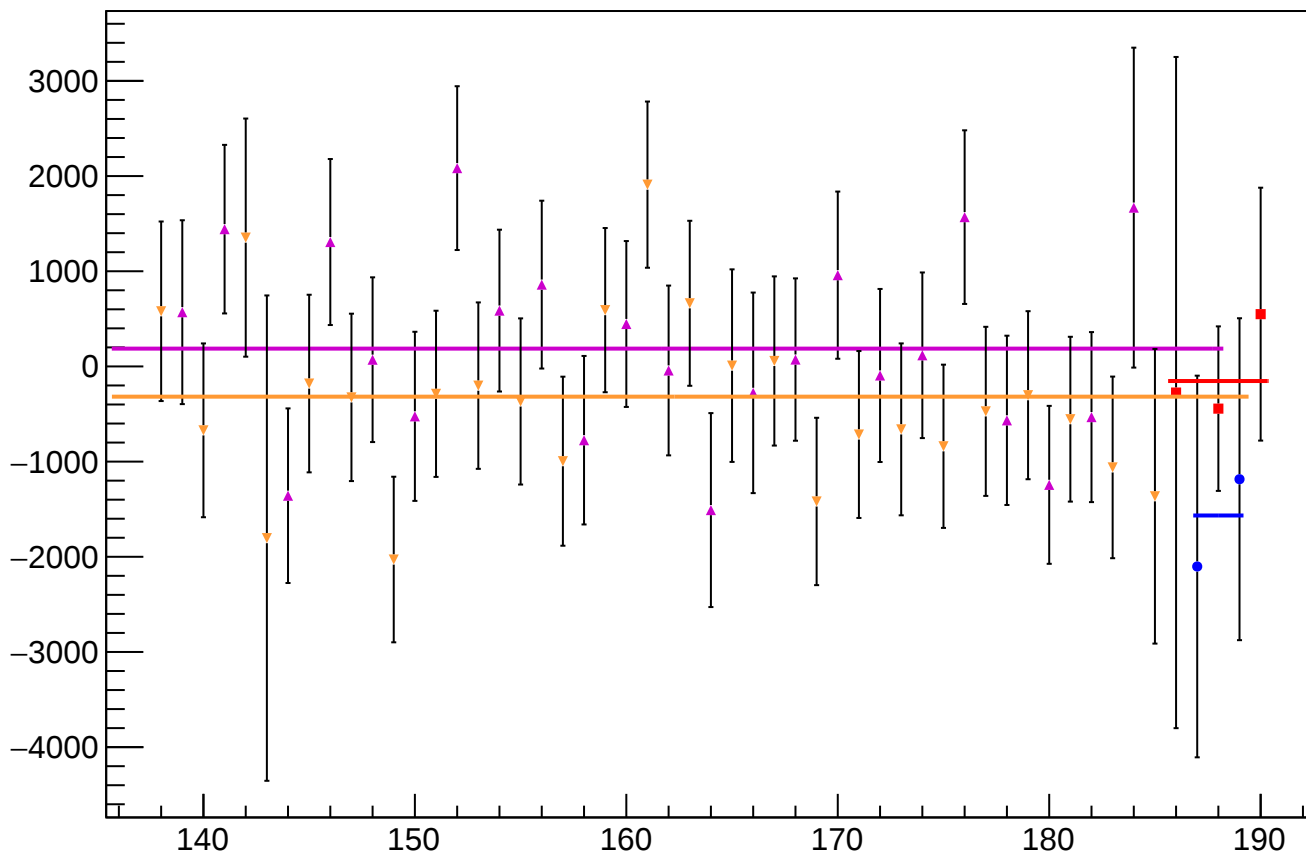
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

+ sign 796.072 ± 0.131 χ^2/NDF : 659207.9/26

All: 795.109 ± 0.092 χ^2/NDF : 997468.1/52

- sign 794.158 ± 0.130 χ^2/NDF : 338152.4/25

cor_asym_us_dd_mean vs Slug



Right In: -1566.105+/-1292.689 χ^2/NDF : 0.1/1

Left Out: -317.611+/-186.045 χ^2/NDF : 20.3/24

Right Out: -153.360+/-709.634 χ^2/NDF : 0.4/2

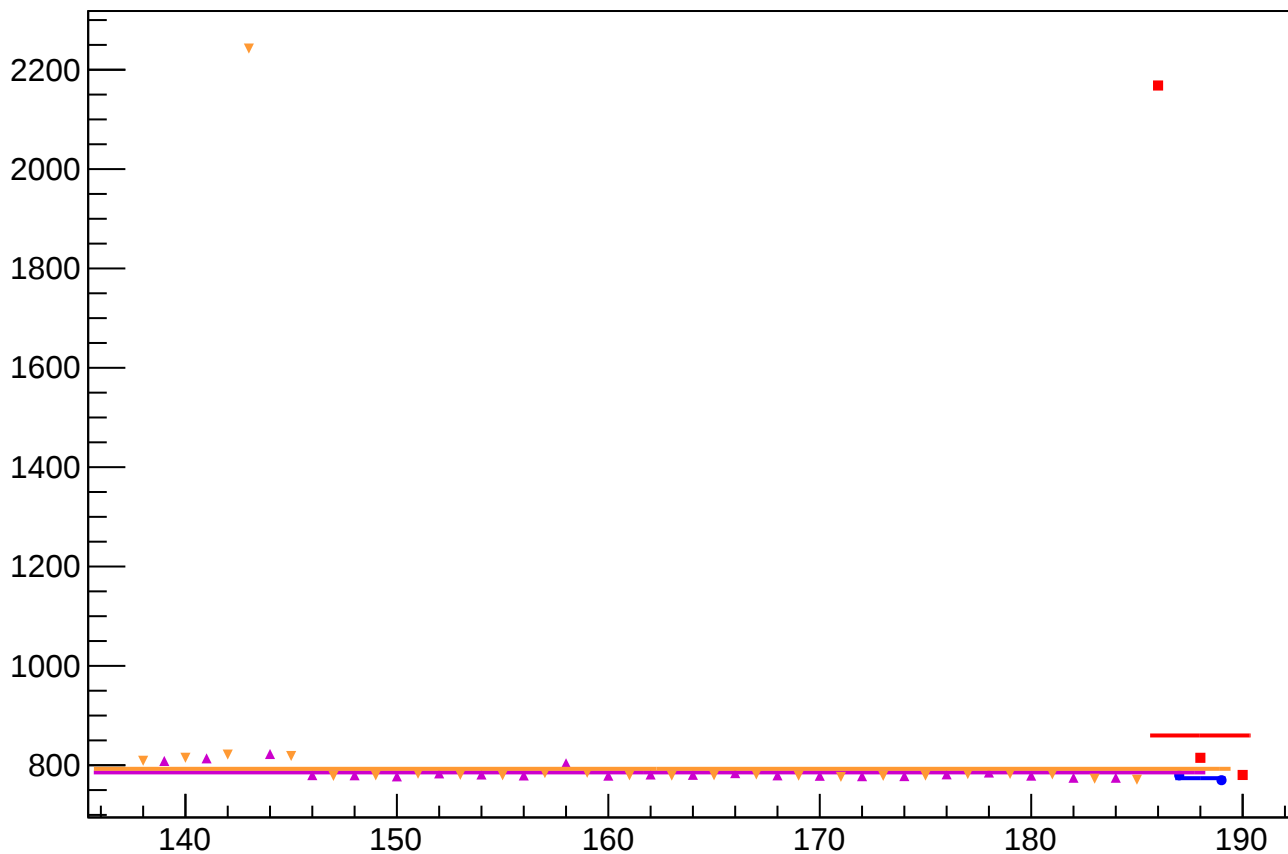
Left In: 187.105+/-189.265 χ^2/NDF : 25.6/22

+ sign -342.947+/-184.148 χ^2/NDF : 21.4/26

All: -87.464+/-129.759 χ^2/NDF : 51.4/52

- sign 164.494+/-182.873 χ^2/NDF : 26.2/25

cor_asym_us_dd_rms vs Slug



Right In: 773.922 $\pm$ 0.914 χ^2 /NDF: 27.7/1

Left Out: 792.811 $\pm$ 0.132 χ^2 /NDF: 659508.7/24

Right Out: 859.900 $\pm$ 0.502 χ^2 /NDF: 287948.2/2

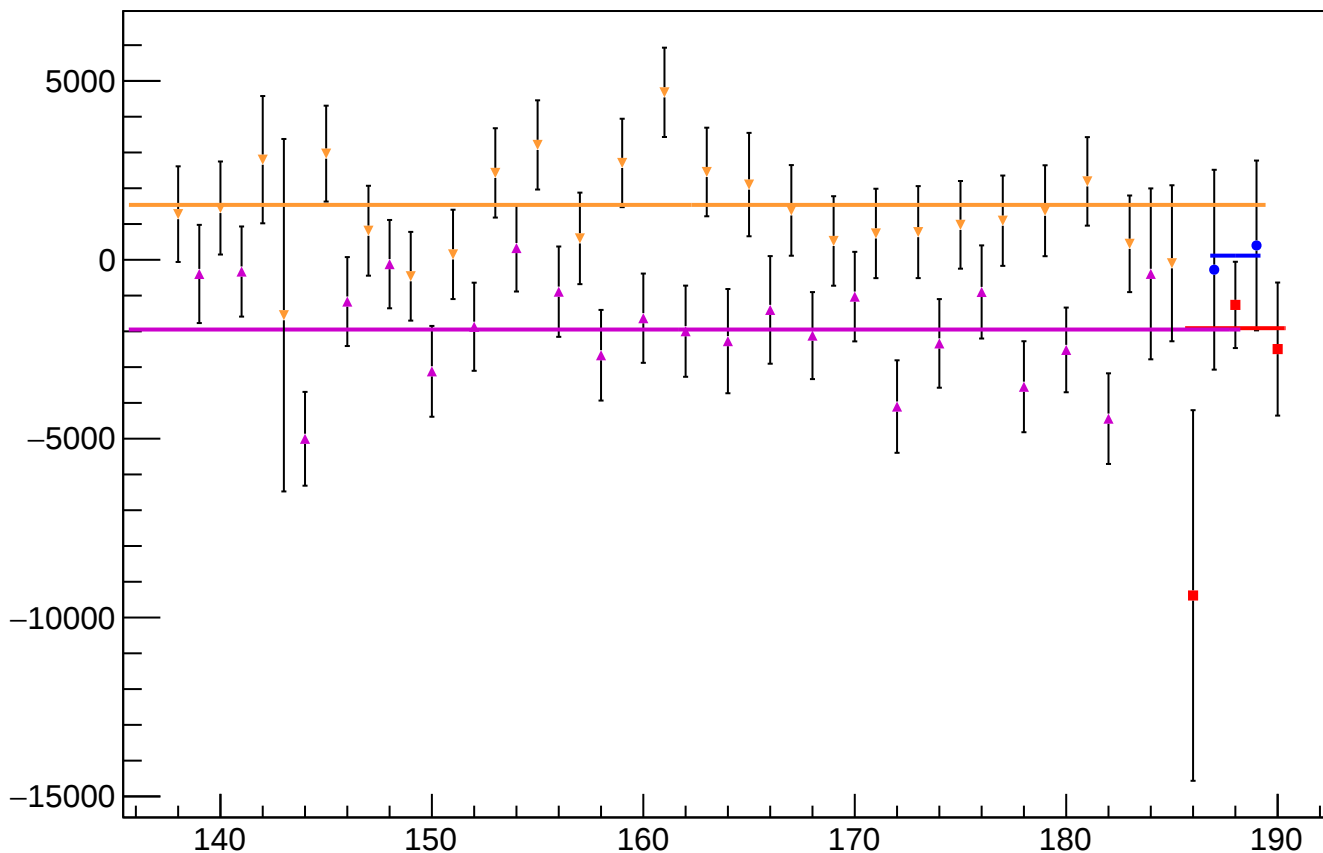
Left In: 785.562 $\pm$ 0.134 χ^2 /NDF: 9033.0/22

+ sign 792.428 $\pm$ 0.130 χ^2 /NDF: 659954.8/26

All: 791.456 $\pm$ 0.092 χ^2 /NDF: 977536.6/52

- sign 790.499 $\pm$ 0.129 χ^2 /NDF: 317471.3/25

cor_asym_usl_mean vs Slug



Right In: 116.401 ± 1808.672 χ^2/NDF : 0.0/1

Left Out: 1534.720 ± 265.890 χ^2/NDF : 20.3/24

Right Out: -1911.693 ± 993.236 χ^2/NDF : 2.5/2

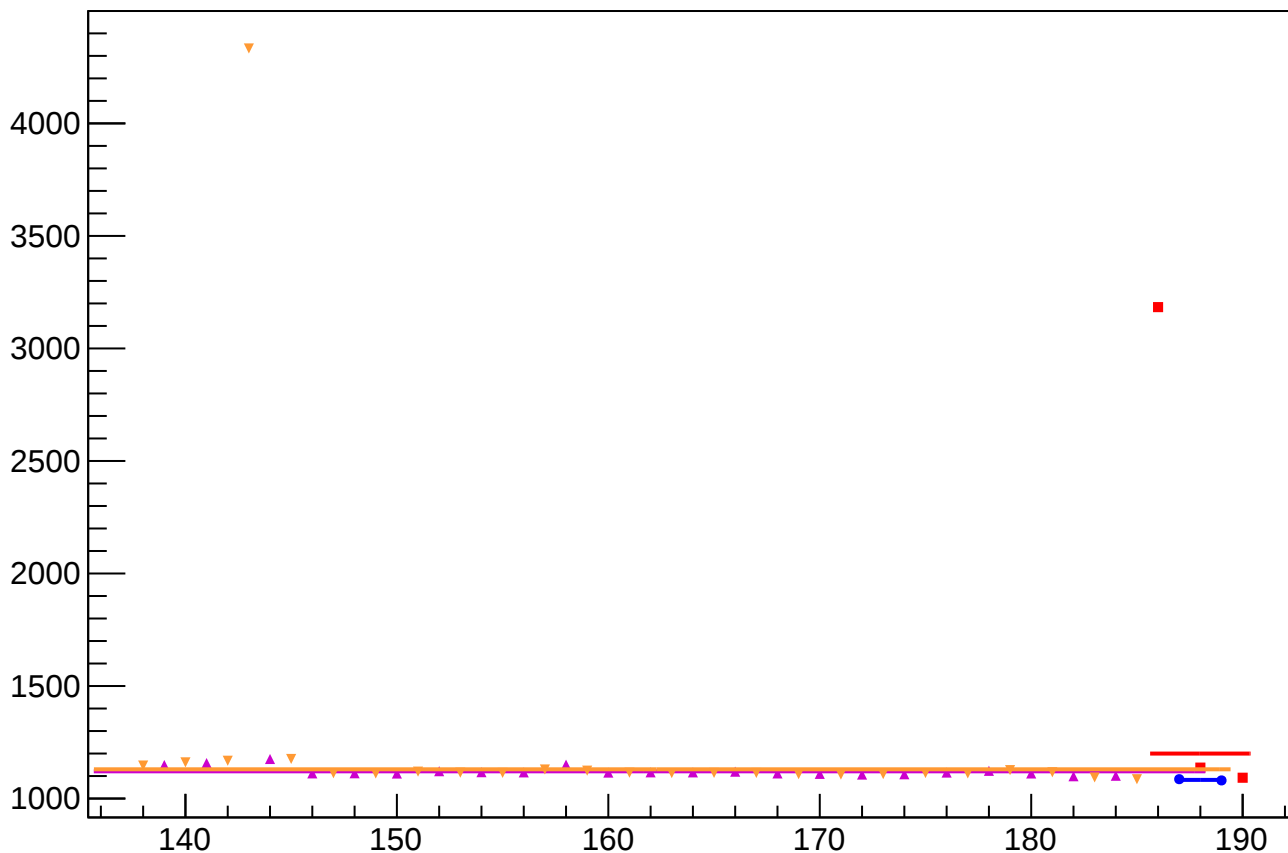
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

+ sign 1504.716 ± 263.063 χ^2/NDF : 20.9/26

All: -237.014 ± 185.143 χ^2/NDF : 137.0/52

- sign -1946.503 ± 260.617 χ^2/NDF : 29.2/25

cor_asym_usl_rms vs Slug



Right In: 1082.866 $\pm$ 1.279 χ^2 /NDF: 4.6/1

Left Out: 1129.937 $\pm$ 0.188 χ^2 /NDF: 858269.9/24

Right Out: 1199.844 $\pm$ 0.702 χ^2 /NDF: 305356.1/2

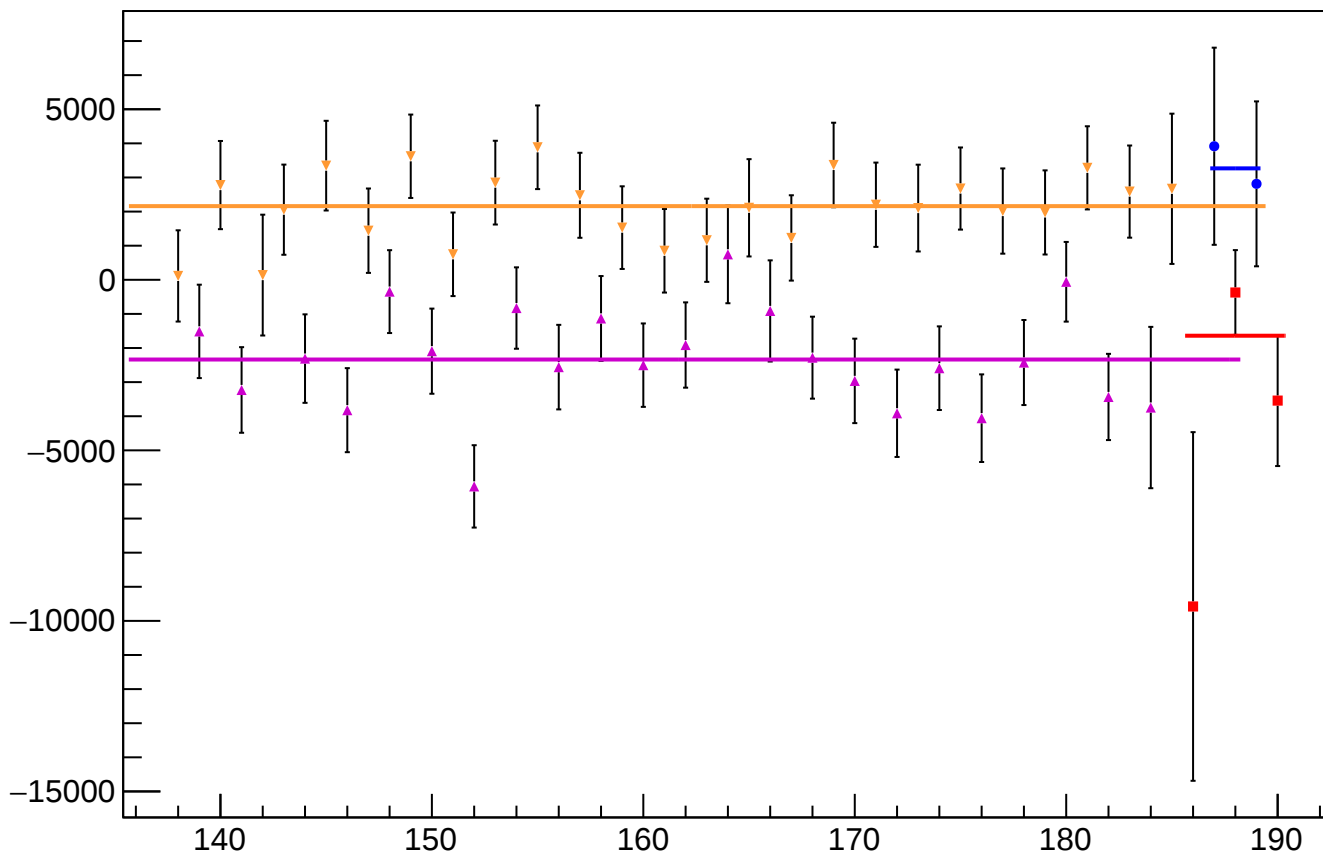
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

+ sign 1128.941 $\pm$ 0.186 χ^2 /NDF: 859600.5/26

All: 1127.662 $\pm$ 0.131 χ^2 /NDF: 1186051.5/52

- sign 1126.407 $\pm$ 0.184 χ^2 /NDF: 326357.4/25

cor_asym_usr_mean vs Slug



Right In: 3266.922 $\pm$ 1854.338 χ^2 /NDF: 0.1/1

Left Out: 2159.879 $\pm$ 257.526 χ^2 /NDF:15.0/24

Right Out: -1639.449 $\pm$ 1022.123 χ^2 /NDF: 4.4/2

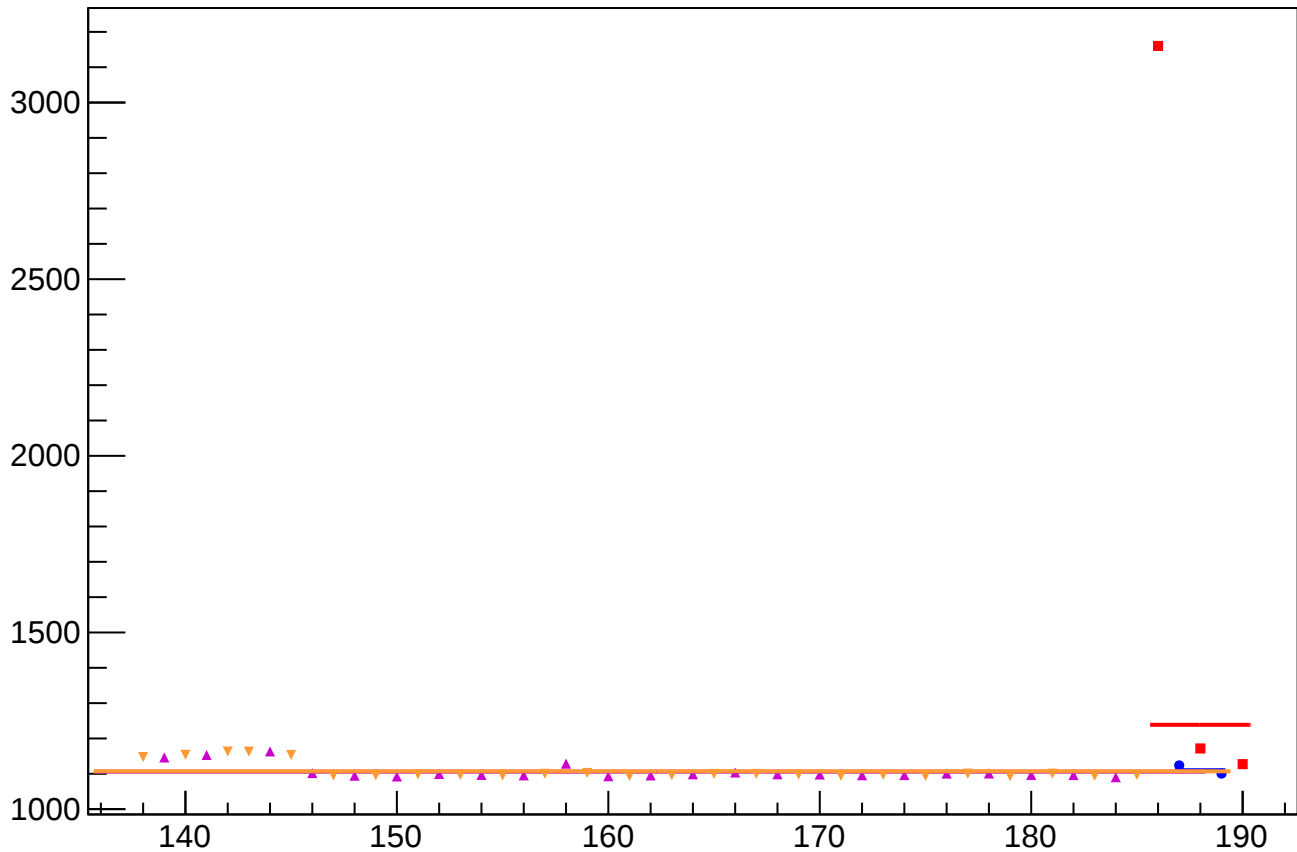
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

+ sign 2180.827 $\pm$ 255.078 χ^2 /NDF: 15.4/26

All: -31.822 $\pm$ 181.339 χ^2 /NDF: 203.7/52

- sign -2292.825 $\pm$ 257.850 χ^2 /NDF: 36.2/25

cor_asym_usr_rms vs Slug



Right In: 1110.109+/-1.311 χ^2 /NDF: 75.3/1

Left Out: 1107.091+/-0.182 χ^2 /NDF: 15185.2/24

Right Out: 1238.637+/-0.723 χ^2 /NDF: 295245.1/2

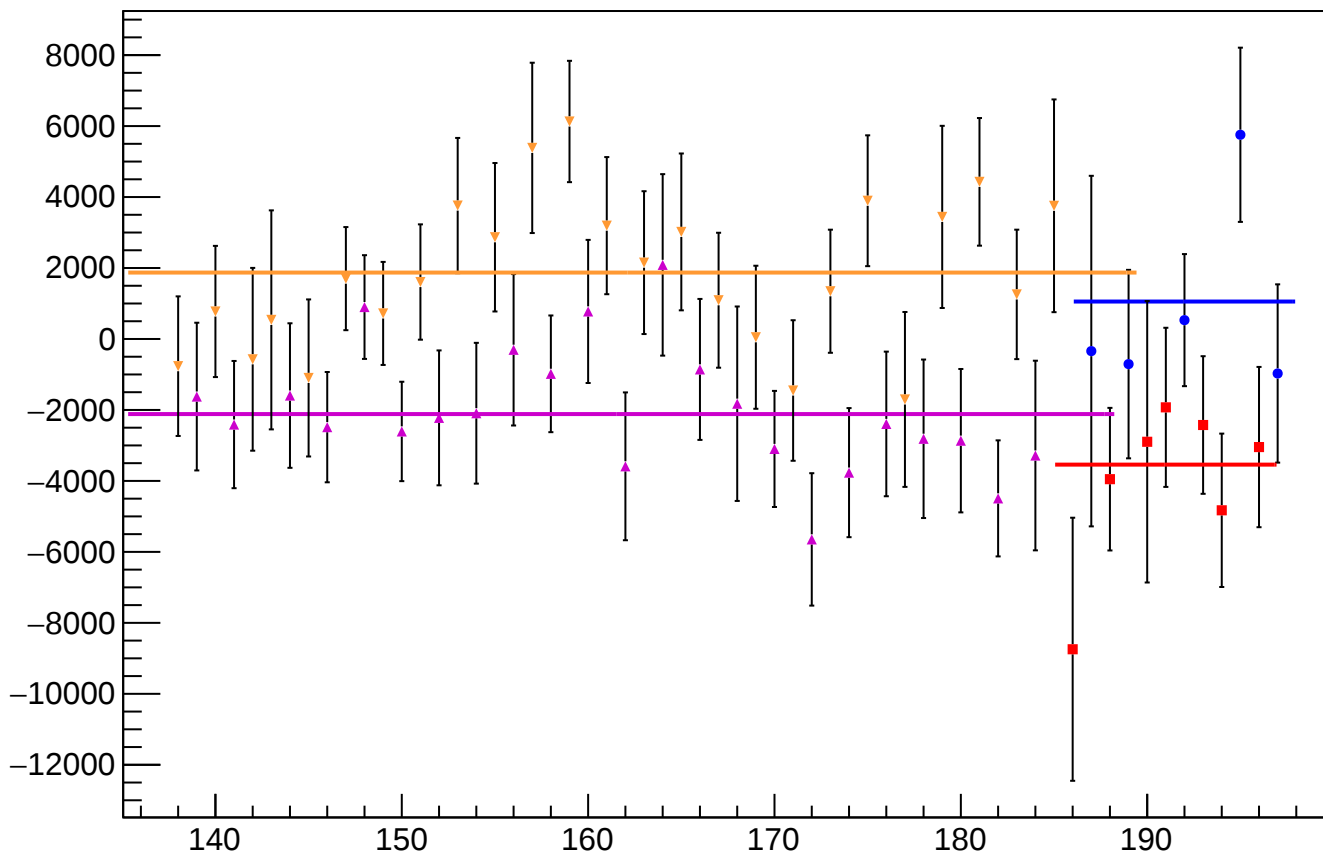
Left In: 1105.955+/-0.188 χ^2 /NDF: 11111.3/22

+ sign 1107.148+/-0.180 χ^2 /NDF: 15265.7/26

All: 1110.735+/-0.128 χ^2 /NDF: 353978.0/52

- sign 1114.399+/-0.182 χ^2 /NDF: 337913.0/25

asym_us_agg_avg_mean vs Slug



Right In: 1055.260 $\pm$ 1120.924 χ^2/NDF : 4.9/4

Left Out: 1871.638 $\pm$ 391.684 χ^2/NDF : 26.1/24

Right Out: -3540.725 $\pm$ 891.204 χ^2/NDF : 3.3/6

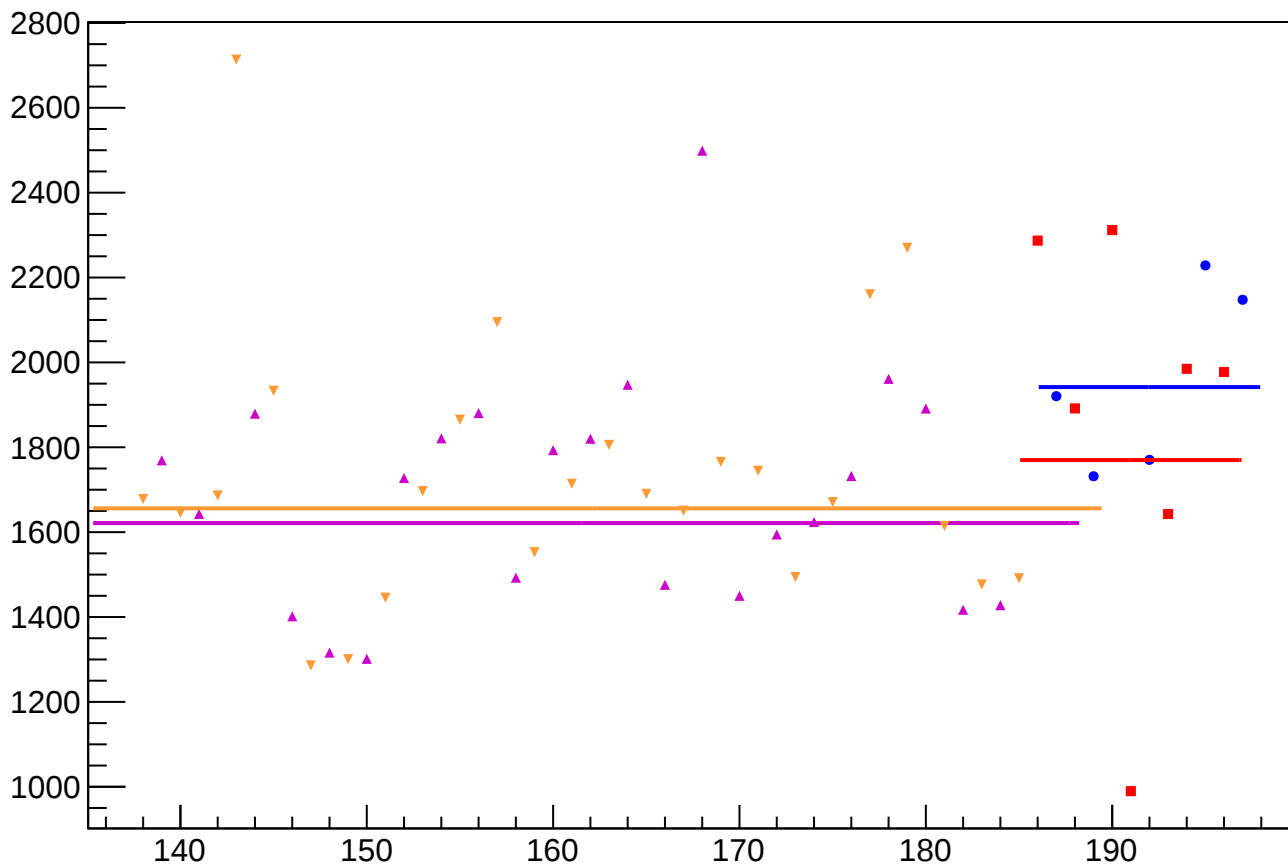
Left In: -2116.114 $\pm$ 392.997 χ^2/NDF : 18.8/22

+ sign 1782.804 $\pm$ 369.760 χ^2/NDF : 31.5/29

All: -340.224 $\pm$ 257.788 χ^2/NDF : 119.9/59

- sign -2348.040 $\pm$ 359.587 χ^2/NDF : 24.2/29

asym_us_agg_avg_rms vs Slug



Right In: 1941.843 ± 0.793 χ^2/NDF : 70247.6/4

Left Out: 1656.119 ± 0.277 χ^2/NDF : 910573.4/24

Right Out: 1769.868 ± 0.630 χ^2/NDF : 370953.6/6

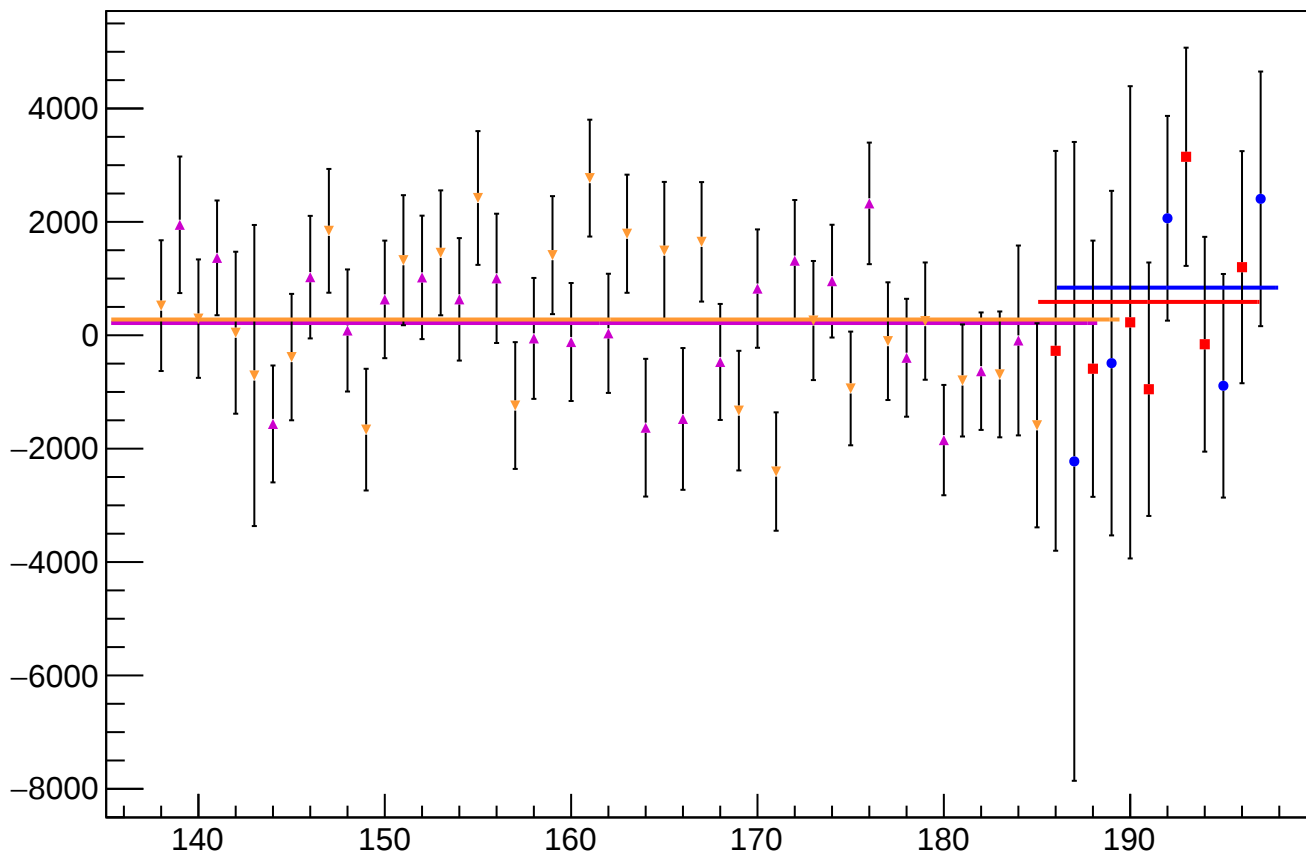
Left In: 1621.417 ± 0.278 χ^2/NDF : 775310.1/22

+ sign 1687.210 ± 0.261 χ^2/NDF : 1096629.1/29

All: 1665.817 ± 0.182 χ^2/NDF : 2302378.5/59

- sign 1645.585 ± 0.254 χ^2/NDF : 1192722.8/29

asym_us_agg_dd_mean vs Slug



Right In: 840.112 $\pm$ 1052.912 χ^2 /NDF: 2.2/4

Left Out: 278.090 $\pm$ 223.581 χ^2 /NDF:38.4/24

Right Out: 588.405 $\pm$ 869.930 χ^2 /NDF: 2.8/6

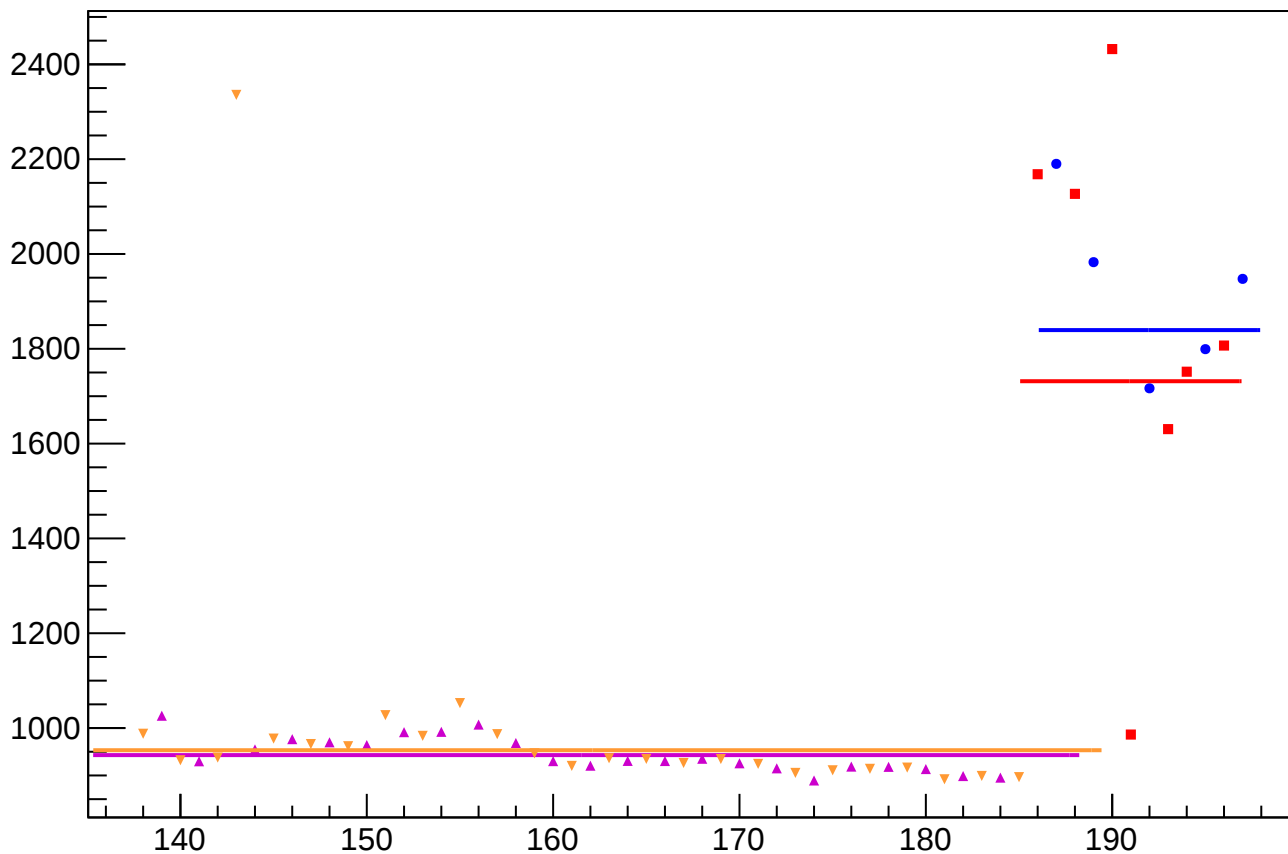
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 302.339 $\pm$ 218.704 χ^2 /NDF: 40.9/29

All: 270.913 $\pm$ 154.531 χ^2 /NDF: 68.3/59

- sign 239.580 $\pm$ 218.377 χ^2 /NDF: 27.4/29

asym_us_agg_dd_rms vs Slug



Right In: 1839.453 ± 0.745 χ^2/NDF : 26907.5/4

Left Out: 953.221 ± 0.158 χ^2/NDF : 606273.1/24

Right Out: 1731.609 ± 0.615 χ^2/NDF : 379249.1/6

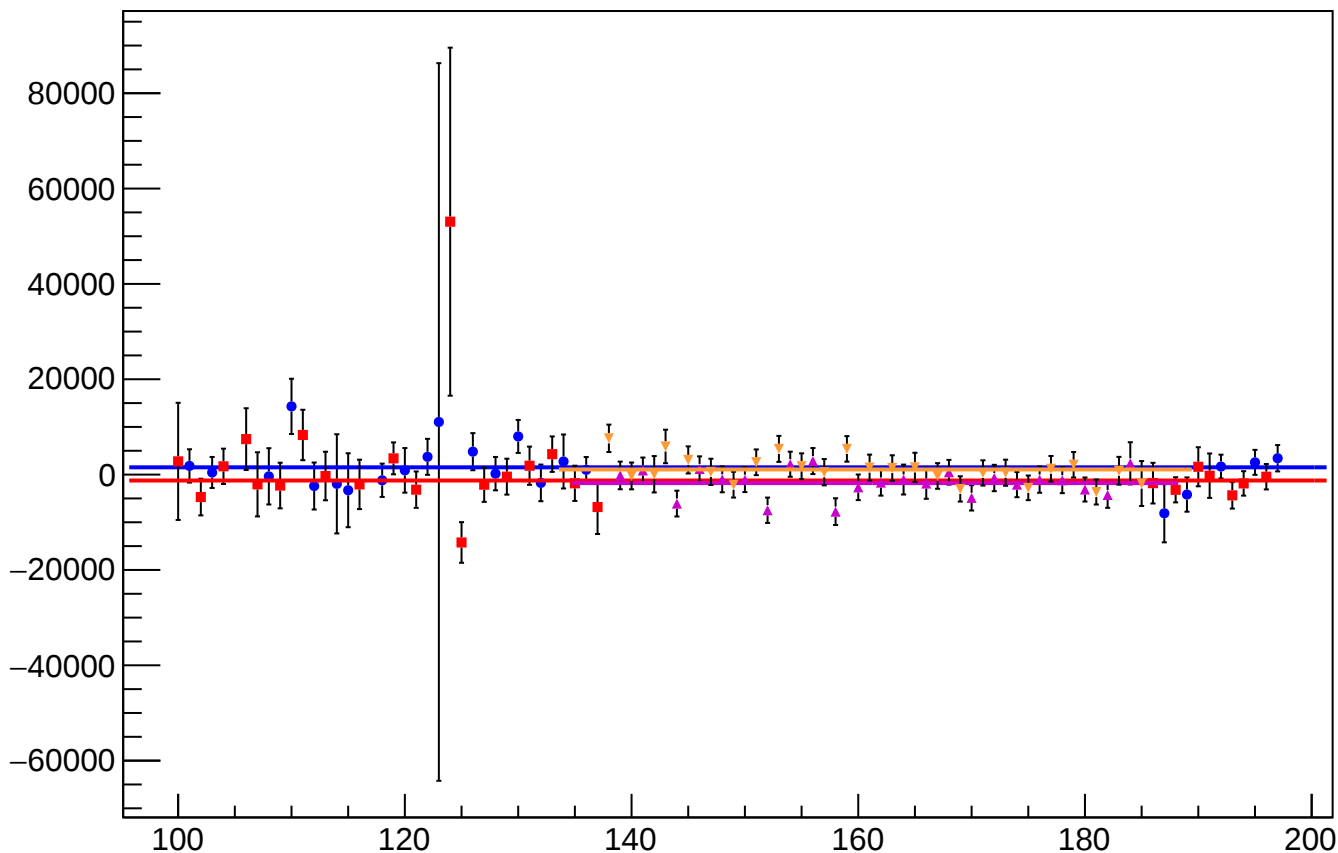
Left In: 942.927 ± 0.160 χ^2/NDF : 48402.9/22

+ sign 991.458 ± 0.155 χ^2/NDF : 1988954.8/29

All: 992.042 ± 0.109 χ^2/NDF : 3956911.9/59

- sign 992.625 ± 0.154 χ^2/NDF : 1967928.6/29

reg_asym_atl1_mean vs Slug



Right In: 1527.072 $\pm$ 813.493 χ^2 /NDF: 18.0/21

Left Out: 1078.054 $\pm$ 564.005 χ^2 /NDF: 23.6/24

Right Out: -1240.211 $\pm$ 772.647 χ^2 /NDF: 26.8/25

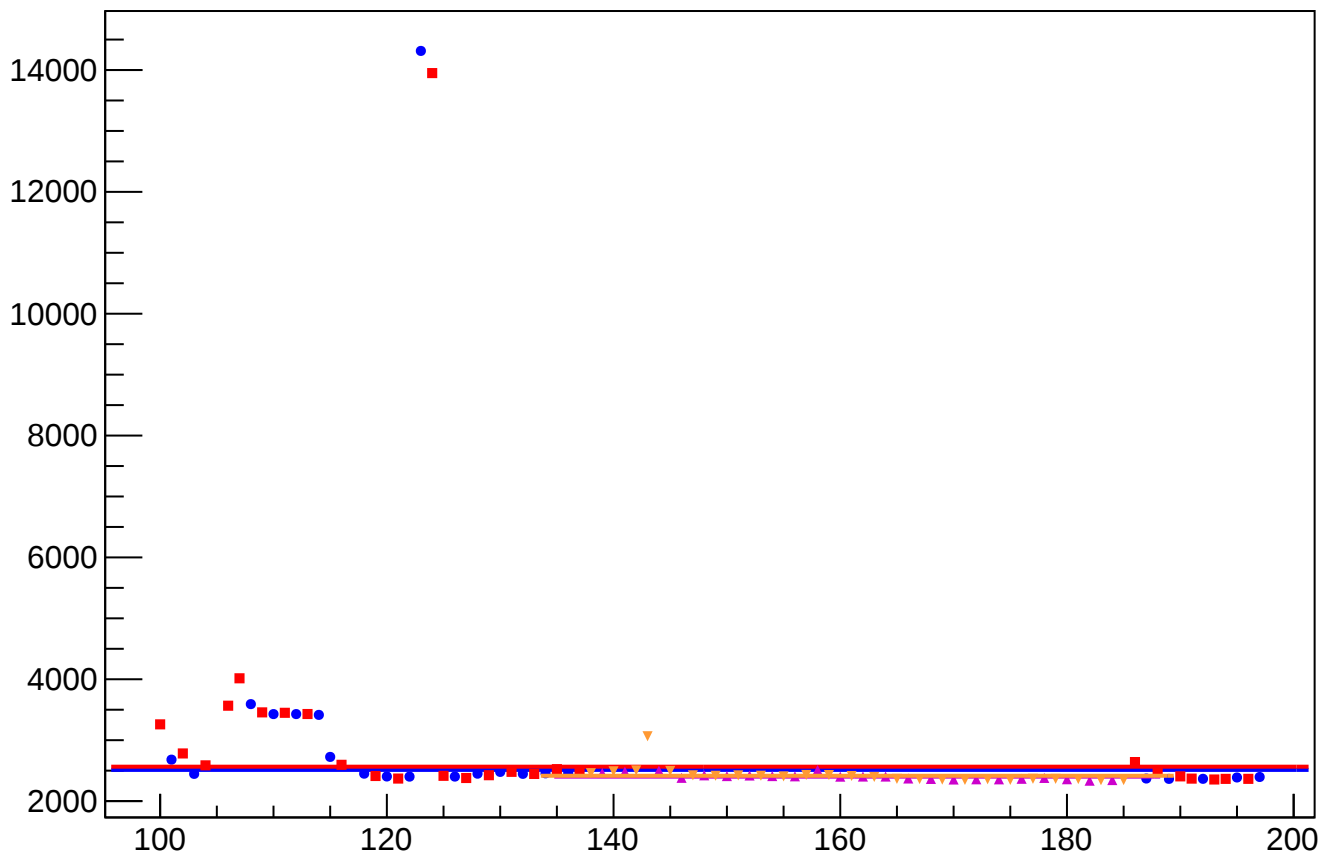
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF: 24.1/22

+ sign 1223.822 $\pm$ 463.502 χ^2 /NDF: 41.8/46

All: -186.106 $\pm$ 327.122 χ^2 /NDF: 111.5/95

- sign -1585.355 $\pm$ 461.744 χ^2 /NDF: 51.2/48

reg_asym_atl1_rms vs Slug



Right In: 2512.071 $\pm$ 0.575 χ^2 /NDF: 283886.3/21

Left Out: 2416.019 $\pm$ 0.399 χ^2 /NDF: 82636.1/24

Right Out: 2565.006 $\pm$ 0.546 χ^2 /NDF: 598682.0/25

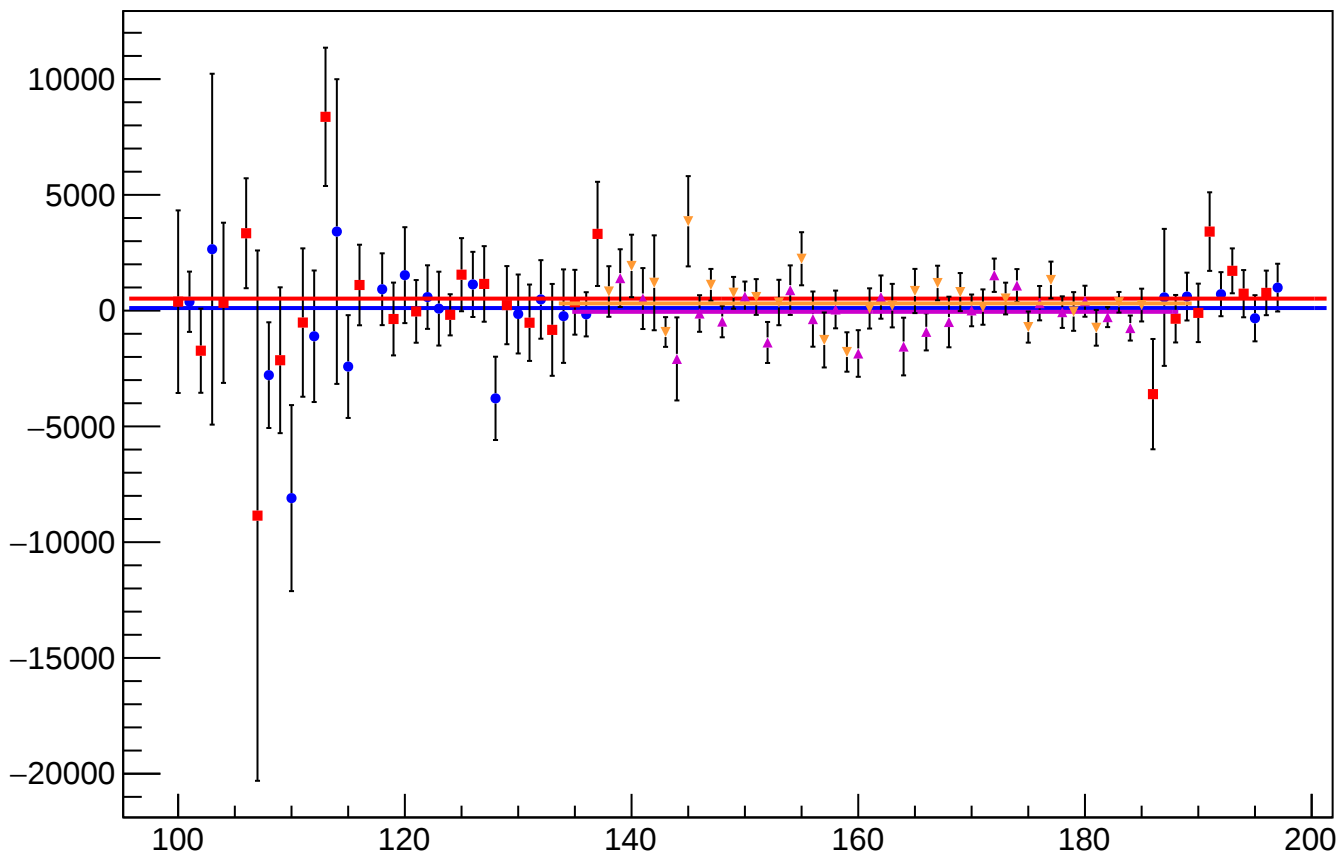
Left In: 2401.422 $\pm$ 0.407 χ^2 /NDF: 13747.6/22

+ sign 2447.201 $\pm$ 0.328 χ^2 /NDF: 385353.1/46

All: 2453.547 $\pm$ 0.231 χ^2 /NDF: 1056161.9/95

- sign 2459.844 $\pm$ 0.327 χ^2 /NDF: 670062.0/48

asym_atl1_correction_mean vs Slug



Right In: 111.264 $\pm$ 320.511 χ^2/NDF : 15.5/21

Left Out: 310.873 $\pm$ 160.650 χ^2/NDF : 29.7/24

Right Out: 519.257 $\pm$ 299.420 χ^2/NDF : 24.1/25

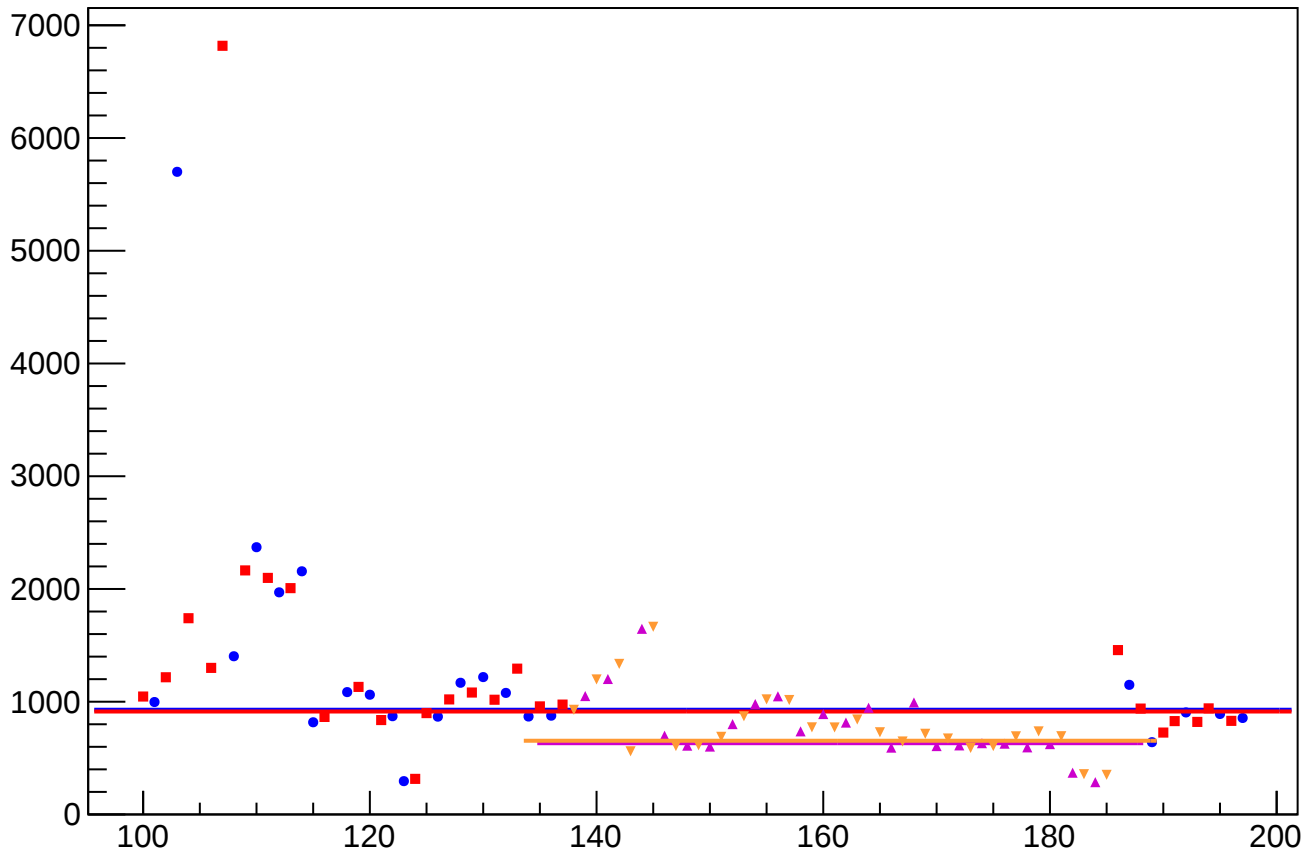
Left In: -51.454 $\pm$ 161.744 χ^2/NDF : 23.8/22

+ sign 270.794 $\pm$ 143.619 χ^2/NDF : 45.6/46

All: 173.243 $\pm$ 101.087 χ^2/NDF : 97.2/95

- sign 77.465 $\pm$ 142.308 χ^2/NDF : 50.7/48

asym_atl1_correction_rms vs Slug



Right In: 928.851 $\pm$ 0.227 χ^2 /NDF: 2134043.6/21

Left Out: 653.803 $\pm$ 0.114 χ^2 /NDF: 3254694.4/24

Right Out: 913.135 $\pm$ 0.212 χ^2 /NDF: 2867419.2/25

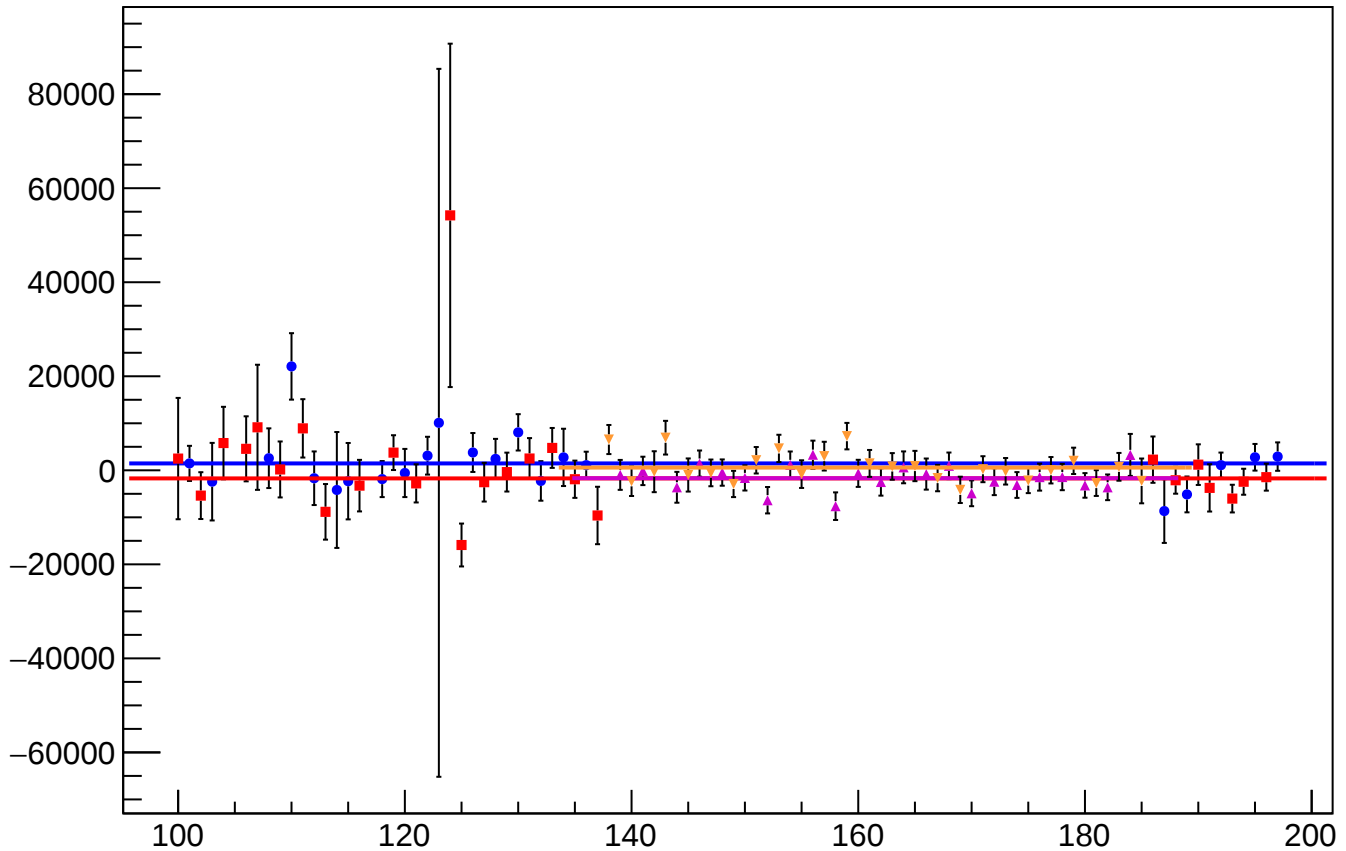
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF: 3942853.4/22

+ sign 709.029 $\pm$ 0.102 χ^2 /NDF: 6565867.7/46

All: 702.226 $\pm$ 0.071 χ^2 /NDF: 14749426.9/95

- sign 695.547 $\pm$ 0.101 χ^2 /NDF: 8174665.7/48

asym_atl1_mean vs Slug



Right In: 1463.449 ± 911.586 χ^2/NDF : 20.4/21

Left Out: 580.879 ± 597.173 χ^2/NDF : 25.3/24

Right Out: -1723.001 ± 867.374 χ^2/NDF : 30.5/25

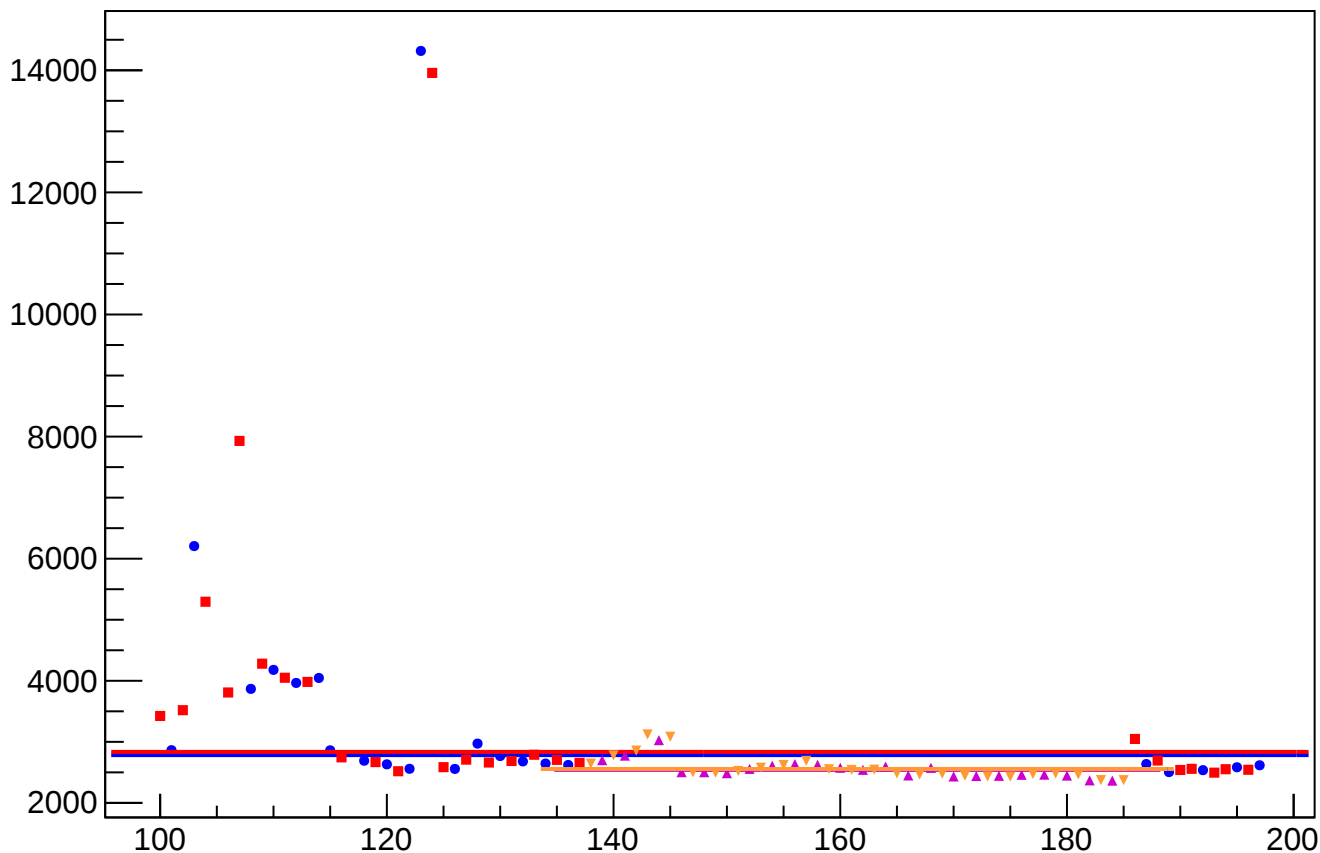
Left In: -1679.572 ± 610.111 χ^2/NDF : 18.2/22

+ sign 845.899 ± 499.530 χ^2/NDF : 46.4/46

All: -425.313 ± 353.042 χ^2/NDF : 108.0/95

- sign -1693.947 ± 499.024 χ^2/NDF : 48.7/48

asym_atl1_rms vs Slug



Right In: 2782.762+/-0.645 χ^2/NDF : 708275.5/21

Left Out: 2555.279+/-0.422 χ^2/NDF : 154743.6/24

Right Out: 2835.479+/-0.613 χ^2/NDF : 1160979.6/25

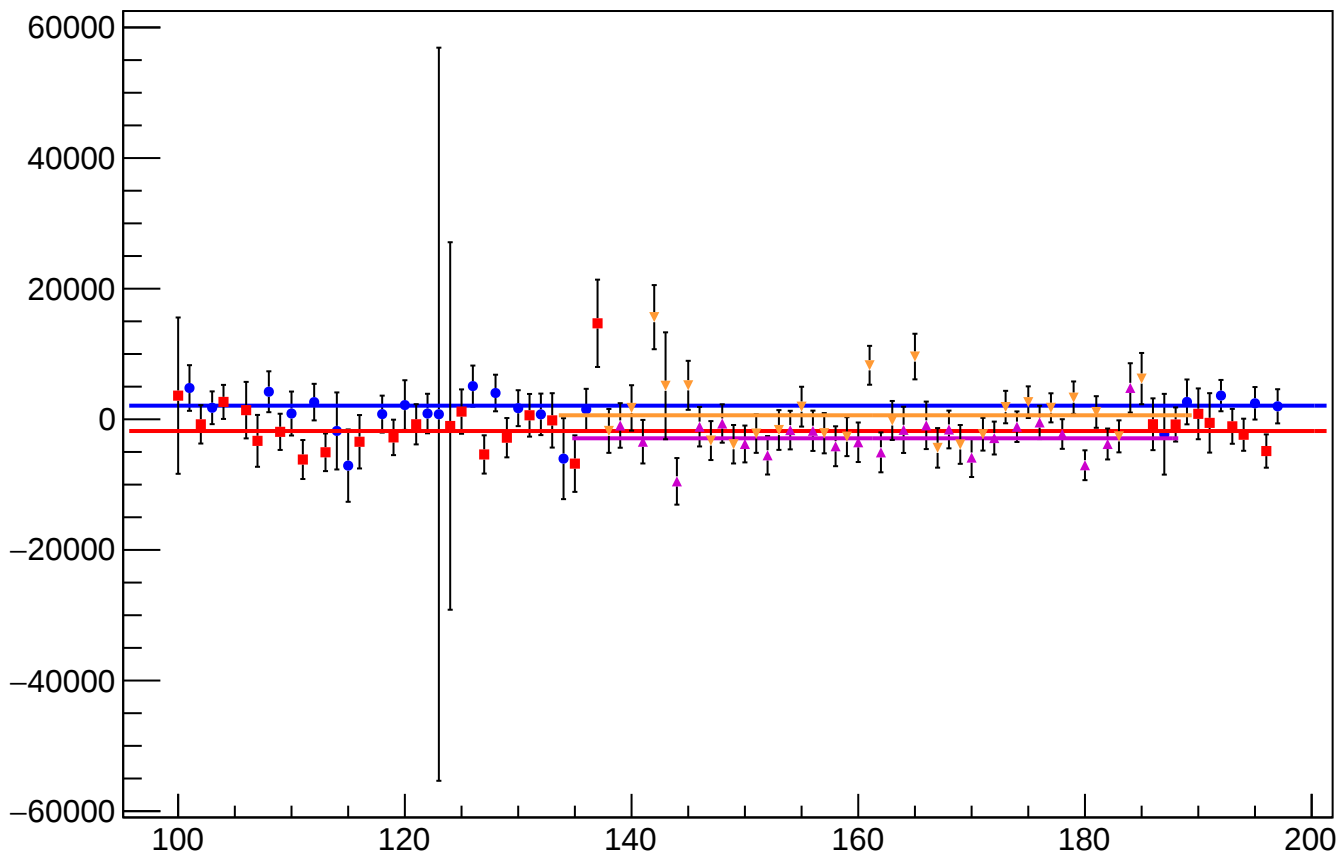
Left In: 2540.988+/-0.431 χ^2/NDF : 94756.7/22

+ sign 2623.588+/-0.353 χ^2/NDF : 950166.4/46

All: 2631.034+/-0.250 χ^2/NDF : 2361026.5/95

- sign 2638.465+/-0.353 χ^2/NDF : 1409972.4/48

reg_asym_atl2_mean vs Slug



Right In: 2087.685 $\pm$ 689.548 χ^2/NDF : 9.1/21

Left Out: 614.867 $\pm$ 591.148 χ^2/NDF : 45.2/24

Right Out: -1794.833 $\pm$ 648.664 χ^2/NDF : 20.6/25

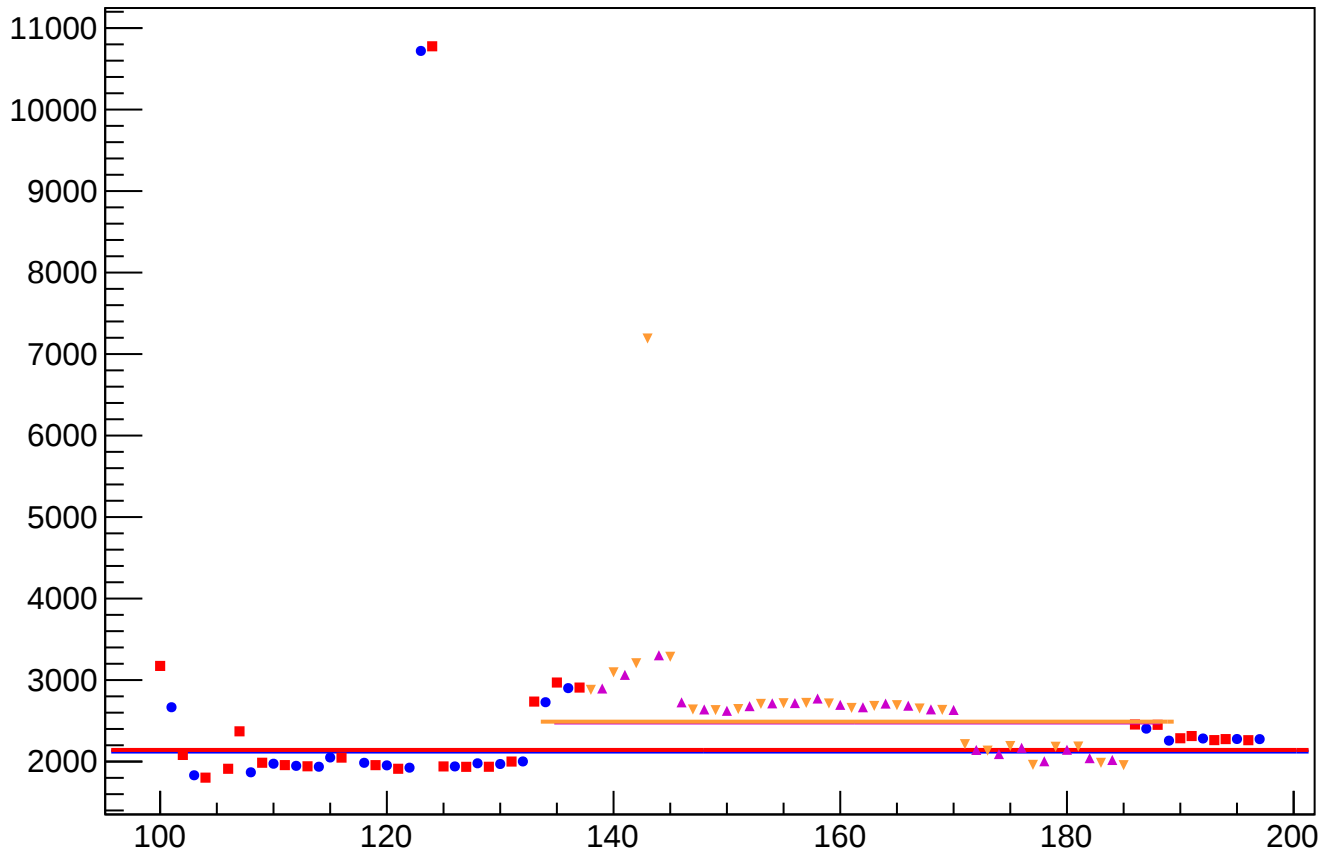
Left In: -2909.108 $\pm$ 599.673 χ^2/NDF : 17.4/22

+ sign 1238.778 $\pm$ 448.799 χ^2/NDF : 56.9/46

All: -613.019 $\pm$ 314.314 χ^2/NDF : 129.8/95

- sign -2395.632 $\pm$ 440.335 χ^2/NDF : 39.5/48

reg_asym_atl2_rms vs Slug



Right In: 2122.779+/-0.488 χ^2/NDF : 359811.9/21

Left Out: 2489.577+/-0.418 χ^2/NDF : 1364203.3/24

Right Out: 2142.602+/-0.459 χ^2/NDF : 526382.8/25

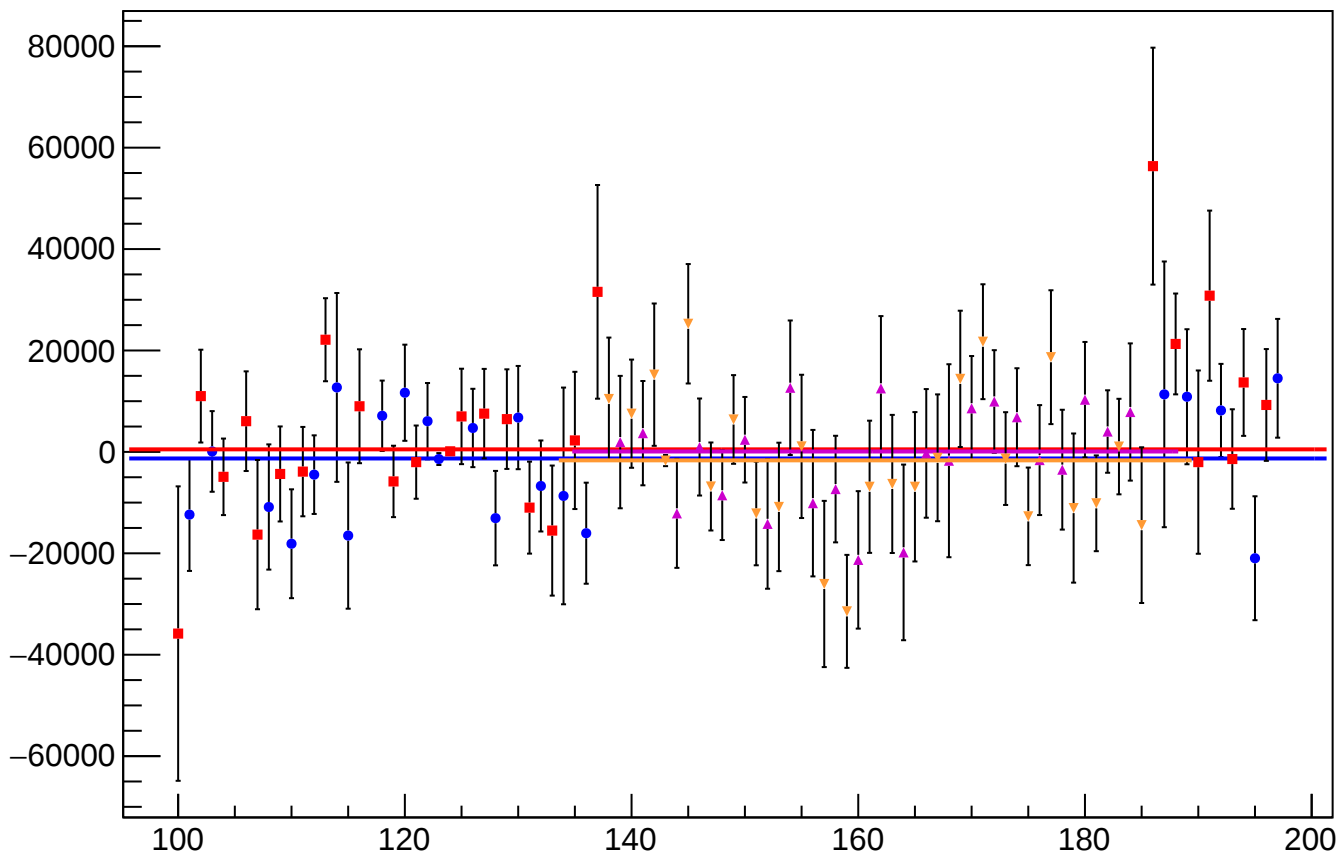
Left In: 2479.348+/-0.424 χ^2/NDF : 668398.2/22

+ sign 2334.195+/-0.317 χ^2/NDF : 2050200.9/46

All: 2329.087+/-0.222 χ^2/NDF : 3536117.5/95

- sign 2324.170+/-0.311 χ^2/NDF : 1485408.2/48

asym_atl2_correction_mean vs Slug



Right In: -1296.580 $\pm$ 1035.851 χ^2 /NDF: 22.3/21

Left Out: -1665.417 $\pm$ 993.060 χ^2 /NDF:32.4/24

Right Out: 502.121 $\pm$ 687.703 χ^2 /NDF: 36.7/25

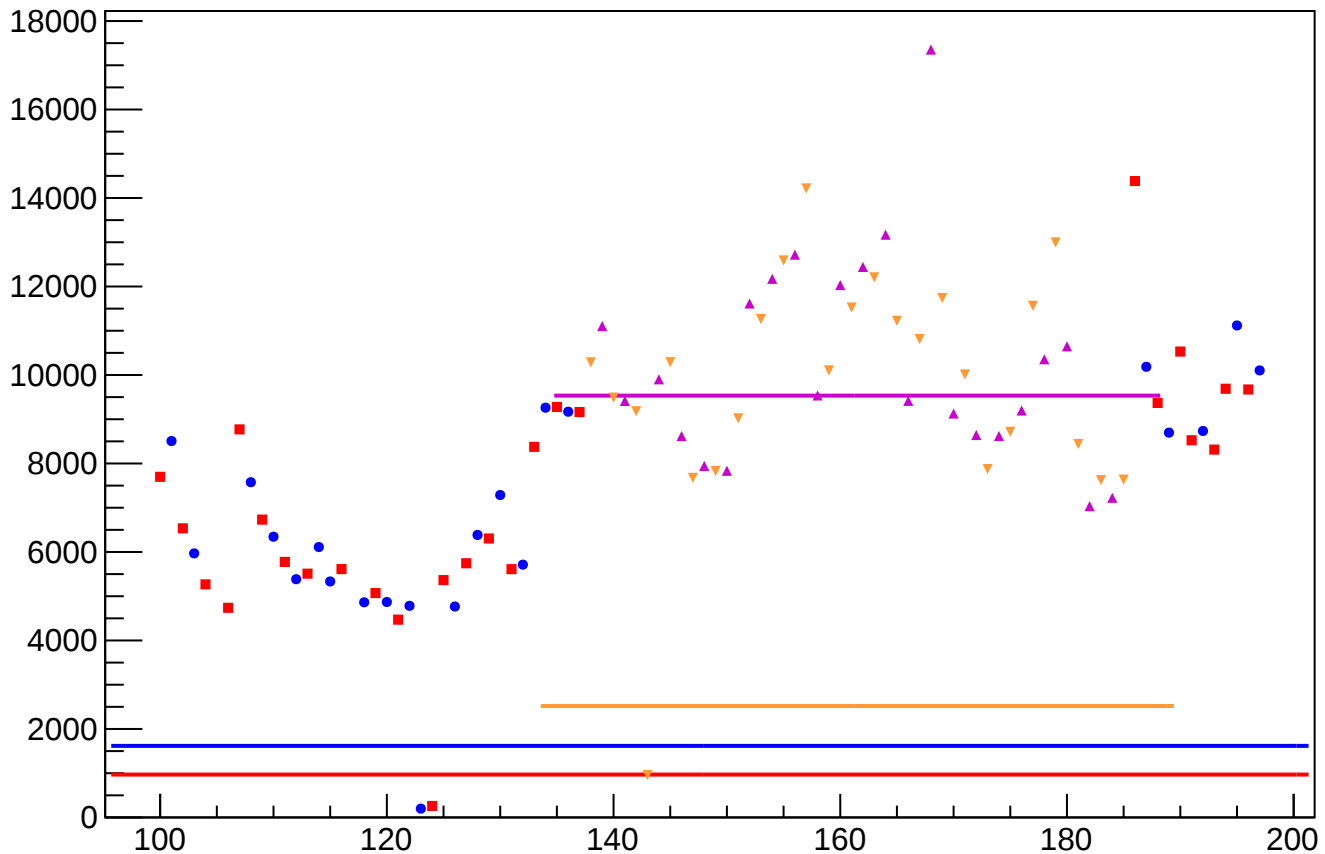
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF:13.8/22

+ sign -1488.774 $\pm$ 716.850 χ^2 /NDF: 54.7/46

All: -428.959 $\pm$ 485.390 χ^2 /NDF: 109.3/95

- sign 468.358 $\pm$ 659.608 χ^2 /NDF: 50.6/48

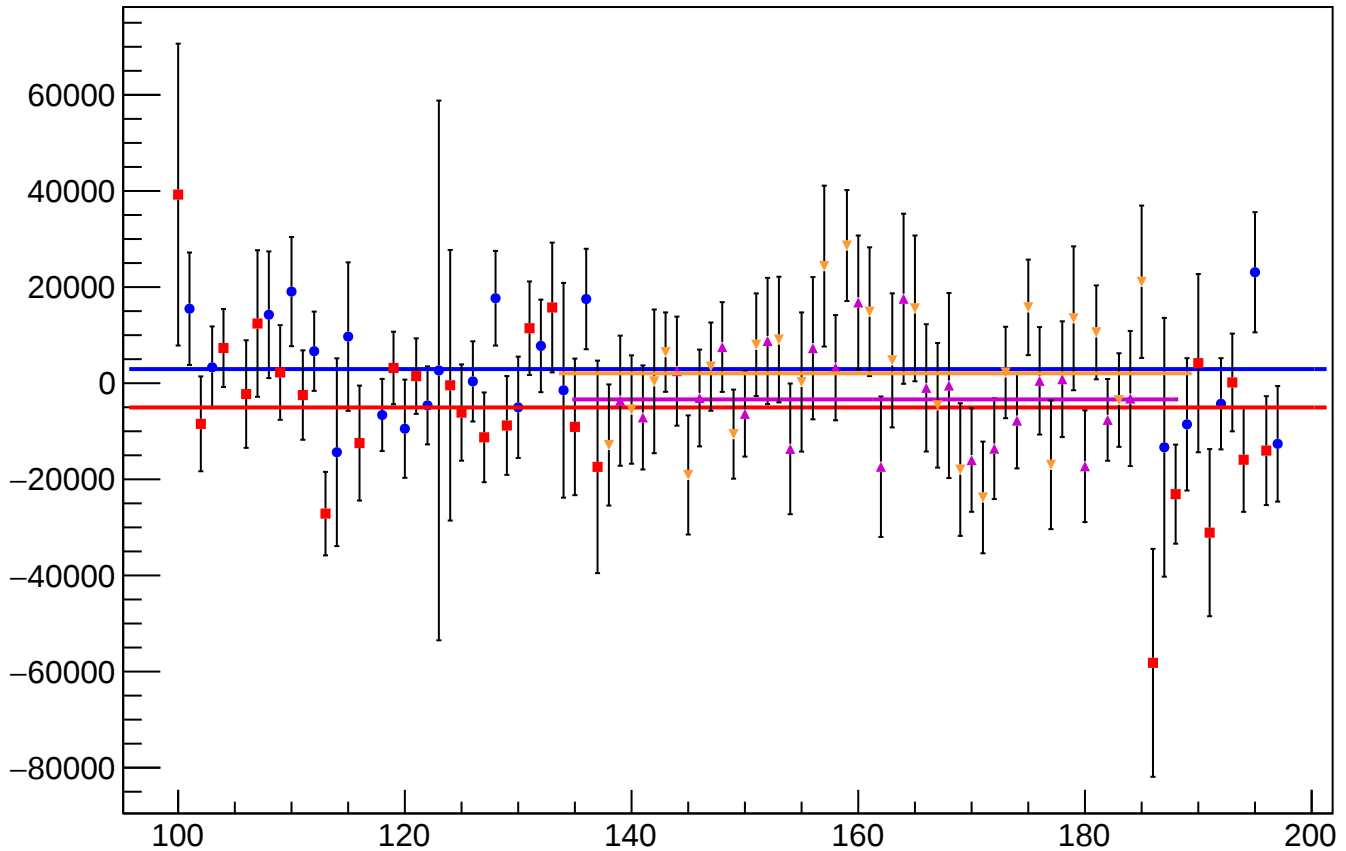
asym_atl2_correction_rms vs Slug



Right In: 1617.864 ± 0.732 χ^2/NDF : 14420741.9/21
 Left Out: 2519.359 ± 0.702 χ^2/NDF : 23642118.3/24
 Right Out: 969.358 ± 0.486 χ^2/NDF : 18342785.7/25
 Left In: 9533.563 ± 1.649 χ^2/NDF : 1316640.0/22

+ sign 2087.616 ± 0.507 χ^2/NDF : 38852206.0/46
 All: 1853.245 ± 0.343 χ^2/NDF : 83731597.9/50
 - sign 1654.809 ± 0.466 χ^2/NDF : 44484595.8/48

asym_atl2_mean vs Slug



Right In: 2939.755 $\pm$ 2320.594 χ^2 /NDF: 20.1/21

Left Out: 2055.950 $\pm$ 2333.494 χ^2 /NDF:30.7/24

Right Out: -5043.325 $\pm$ 2165.949 χ^2 /NDF: 33.9/25

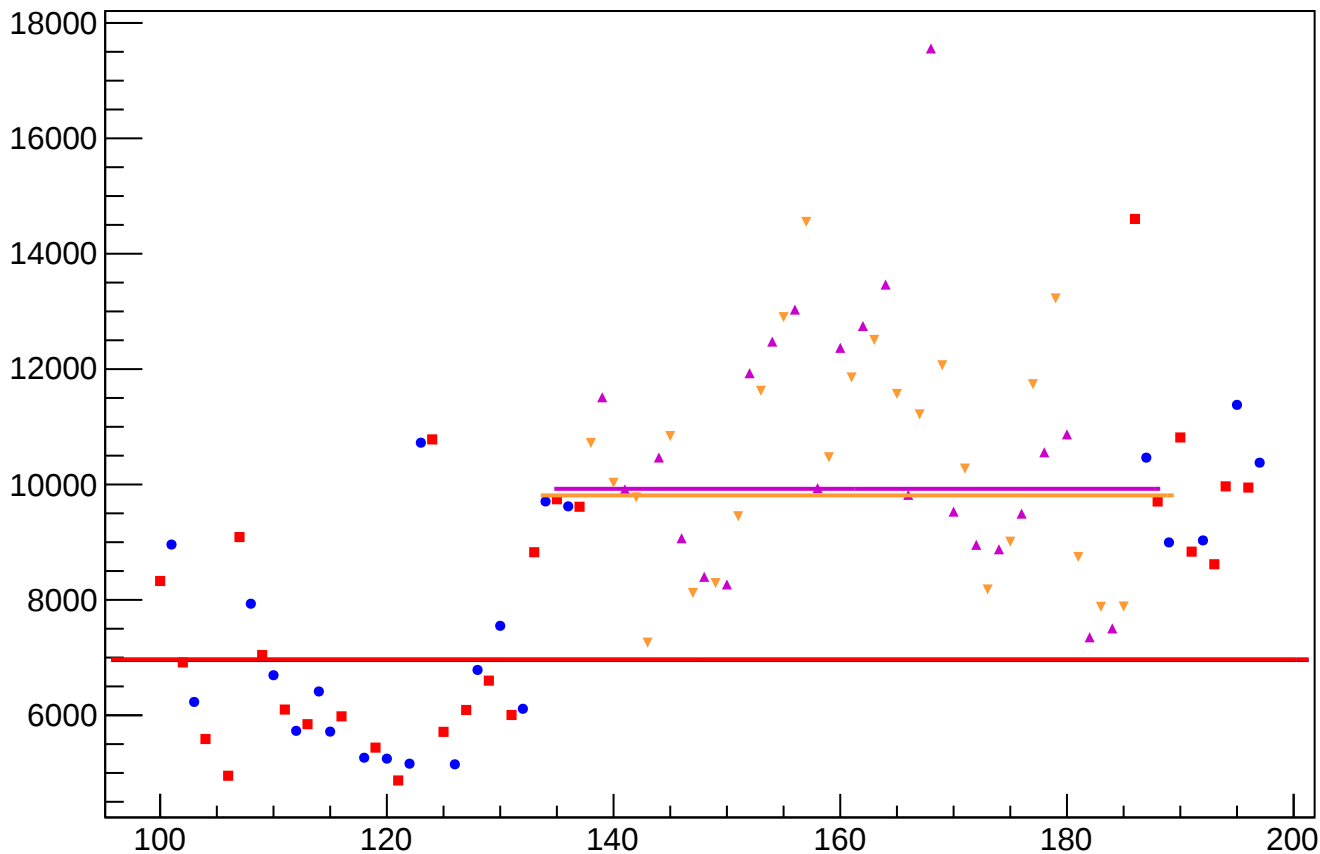
Left In: -3371.931 $\pm$ 2423.242 χ^2 /NDF:13.1/22

+ sign 2500.302 $\pm$ 1645.450 χ^2 /NDF: 50.9/46

All: -964.119 $\pm$ 1152.551 χ^2 /NDF: 106.9/95

- sign -4301.041 $\pm$ 1614.888 χ^2 /NDF: 47.2/48

asym_atl2_rms vs Slug



Right In: 6956.809+/-1.641 χ^2 /NDF: 1270494.8/21

Left Out: 9811.053+/-1.650 χ^2 /NDF:1213831.0/24

Right Out: 6970.164+/-1.532 χ^2 /NDF: 1506902.2/25

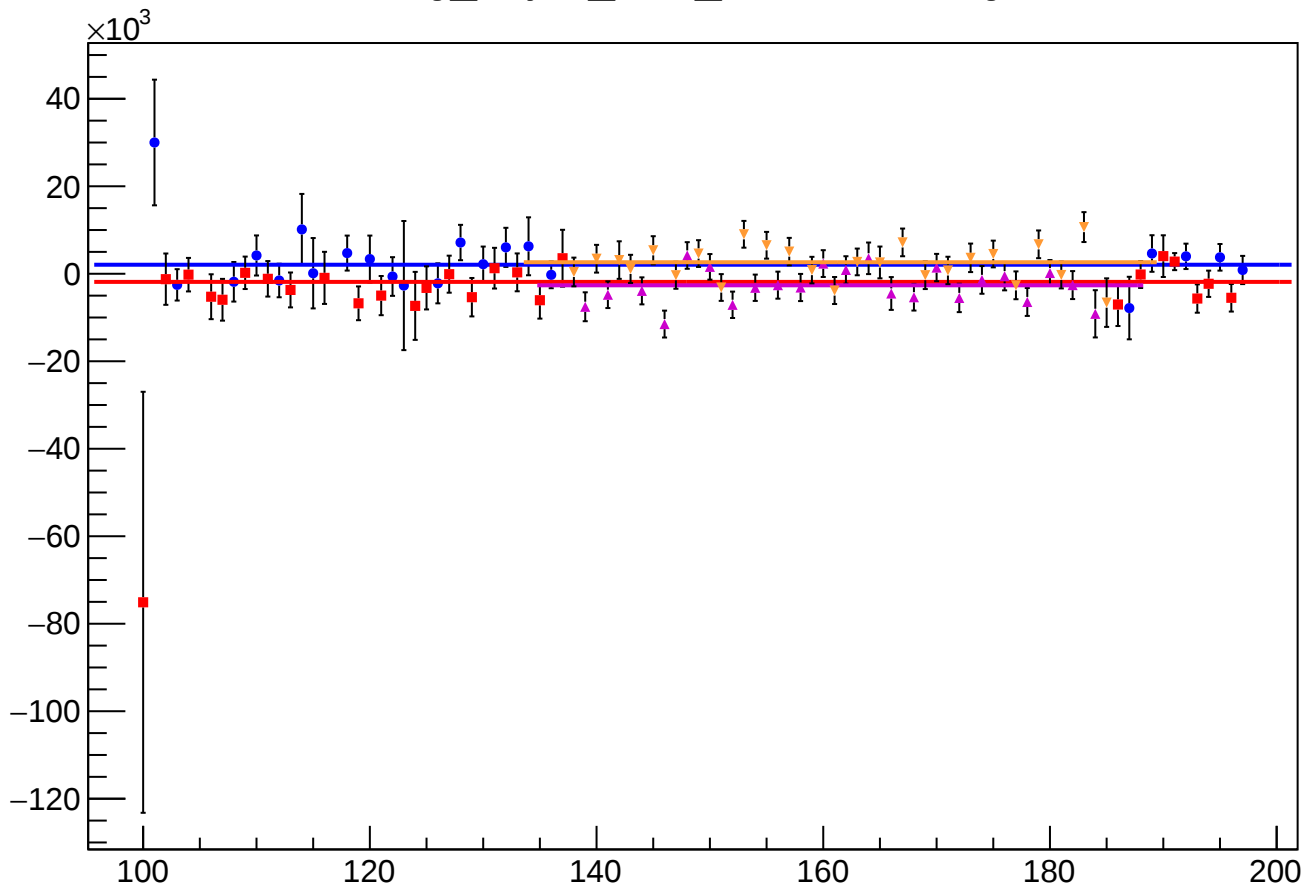
Left In: 9925.337+/-1.713 χ^2 /NDF:1211554.7/22

+ sign 8376.014+/-1.164 χ^2 /NDF: 3988752.6/46

All: 8328.397+/-0.815 χ^2 /NDF: 8363999.6/95

- sign 8282.534+/-1.142 χ^2 /NDF: 4371958.9/48

reg_asym_atr1_mean vs Slug



Right In: 2063.854 ± 920.117 χ^2/NDF : 16.7/21

Left Out: 2635.833 ± 646.121 χ^2/NDF : 35.1/24

Right Out: -1857.671 ± 783.885 χ^2/NDF : 21.5/25

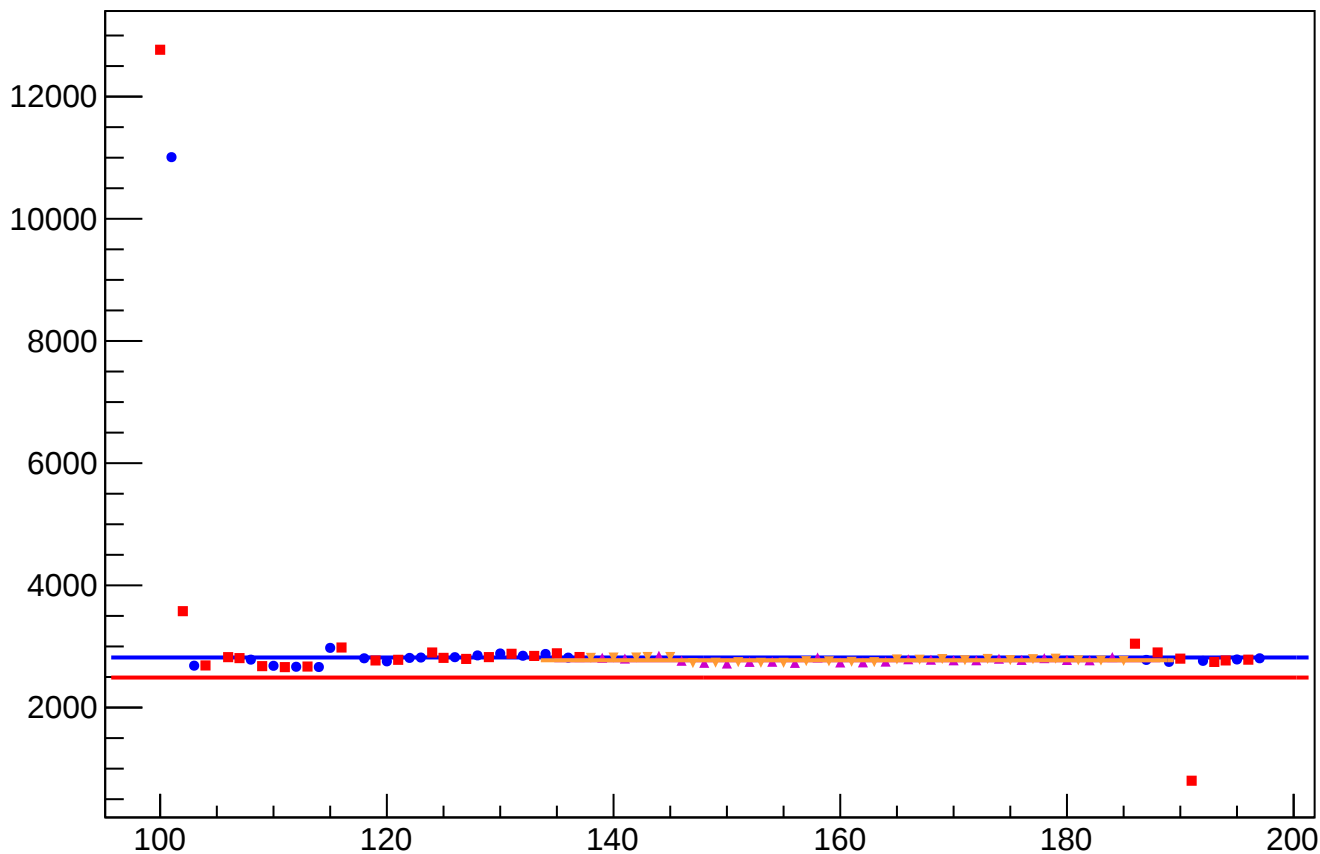
Left In: -2638.607 ± 664.569 χ^2/NDF : 35.2/22

+ sign 2446.934 ± 528.772 χ^2/NDF : 52.0/46

All: -32.942 ± 365.926 χ^2/NDF : 151.5/95

- sign -2312.035 ± 506.914 χ^2/NDF : 57.3/48

reg_asym_atr1_rms vs Slug



Right In: 2819.536 $\pm$ 0.651 χ^2 /NDF: 662448.5/21

Left Out: 2773.713 $\pm$ 0.457 χ^2 /NDF: 4616.5/24

Right Out: 2491.069 $\pm$ 0.554 χ^2 /NDF: 1933721.7/25

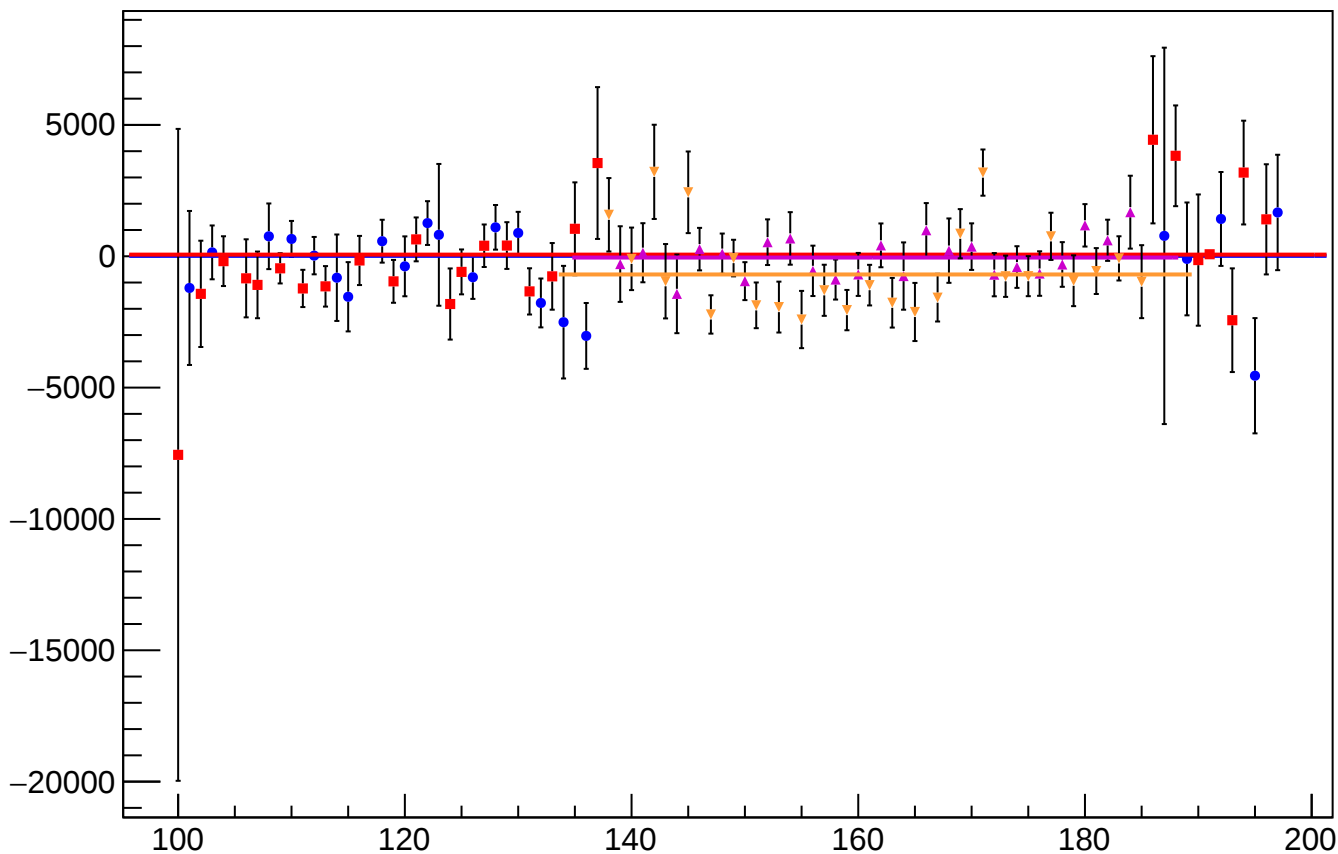
Left In: 2774.036 $\pm$ 0.470 χ^2 /NDF: 4985.3/22

+ sign 2788.847 $\pm$ 0.374 χ^2 /NDF: 670387.1/46

All: 2719.467 $\pm$ 0.259 χ^2 /NDF: 2826800.3/95

- sign 2655.704 $\pm$ 0.358 χ^2 /NDF: 2090337.4/48

asym_atr1_correction_mean vs Slug



Right In: 15.380 $\pm$ 235.863 χ^2 /NDF: 26.3/21

Left Out: -692.808 $\pm$ 187.297 χ^2 /NDF:56.0/24

Right Out: 62.520 $\pm$ 37.905 χ^2 /NDF: 28.8/25

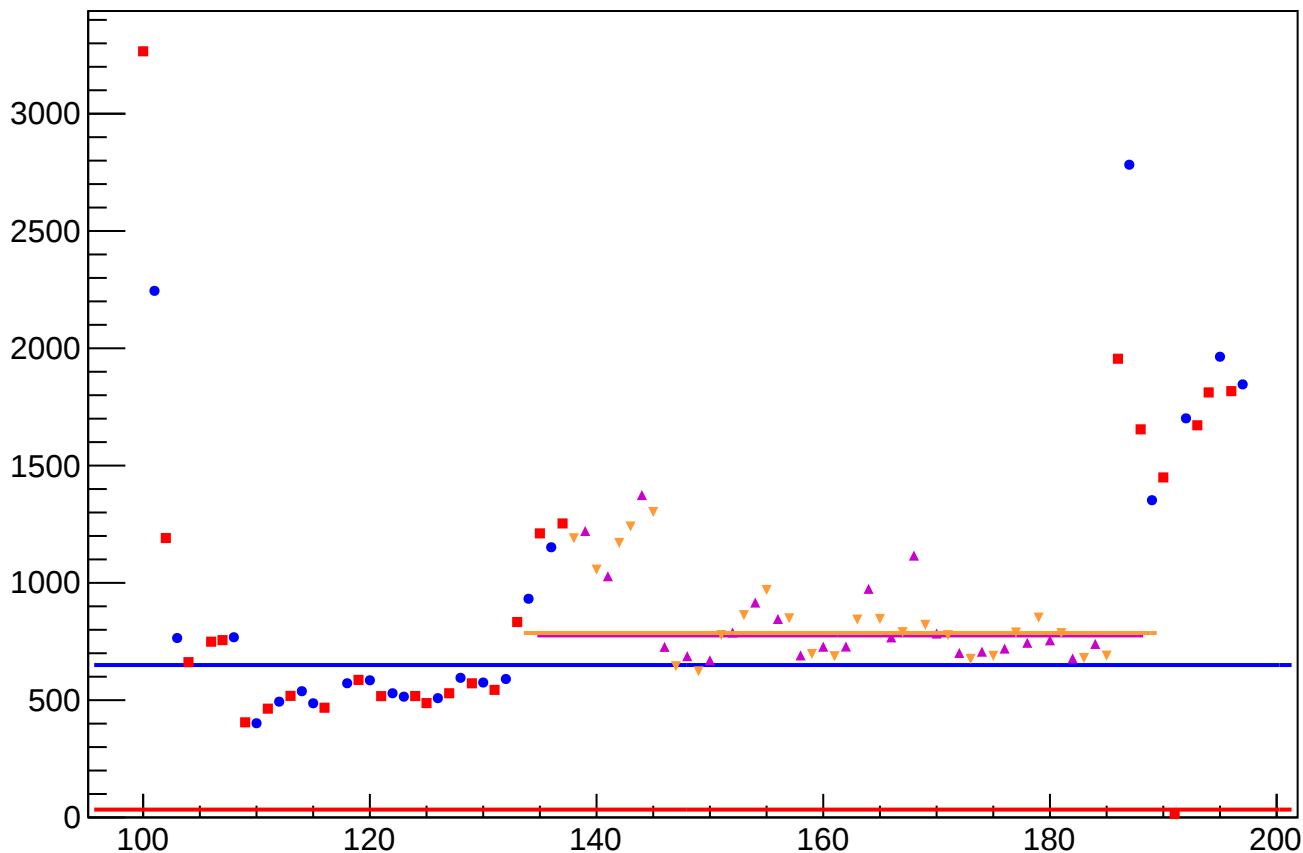
Left In: -49.244 $\pm$ 189.190 χ^2 /NDF:13.6/22

+ sign -418.935 $\pm$ 146.676 χ^2 /NDF: 87.8/46

All: 29.419 $\pm$ 36.028 χ^2 /NDF: 140.5/95

- sign 58.207 $\pm$ 37.167 χ^2 /NDF: 42.8/48

asym_atr1_correction_rms vs Slug



Right In: 649.752 $\pm$ 0.167 χ^2 /NDF: 3946679.9/21

Left Out: 786.173 $\pm$ 0.132 χ^2 /NDF:1249536.1/24

Right Out: 33.538 $\pm$ 0.027 χ^2 /NDF: 19903525.7/25

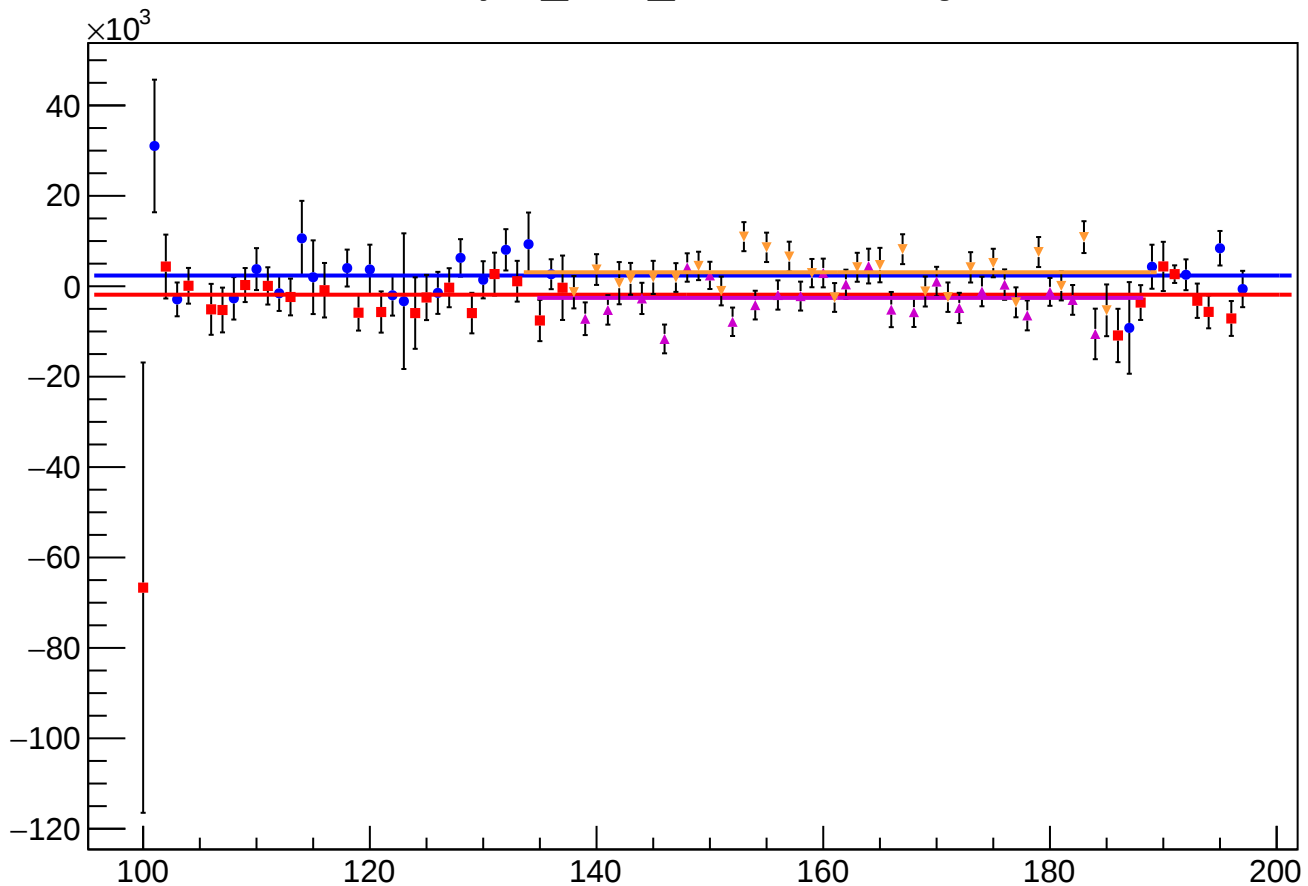
Left In: 775.930 $\pm$ 0.134 χ^2 /NDF:1056766.5/22

+ sign 733.416 $\pm$ 0.104 χ^2 /NDF: 5606546.3/46

All: 102.686 $\pm$ 0.025 χ^2 /NDF: 95531912.2/95

- sign 62.189 $\pm$ 0.026 χ^2 /NDF: 50568295.0/48

asym_atr1_mean vs Slug



Right In: 2373.120 $\pm$ 998.846 χ^2 /NDF: 19.1/21

Left Out: 3094.826 $\pm$ 678.510 χ^2 /NDF:38.7/24

Right Out: -1866.588 $\pm$ 841.316 χ^2 /NDF: 22.4/25

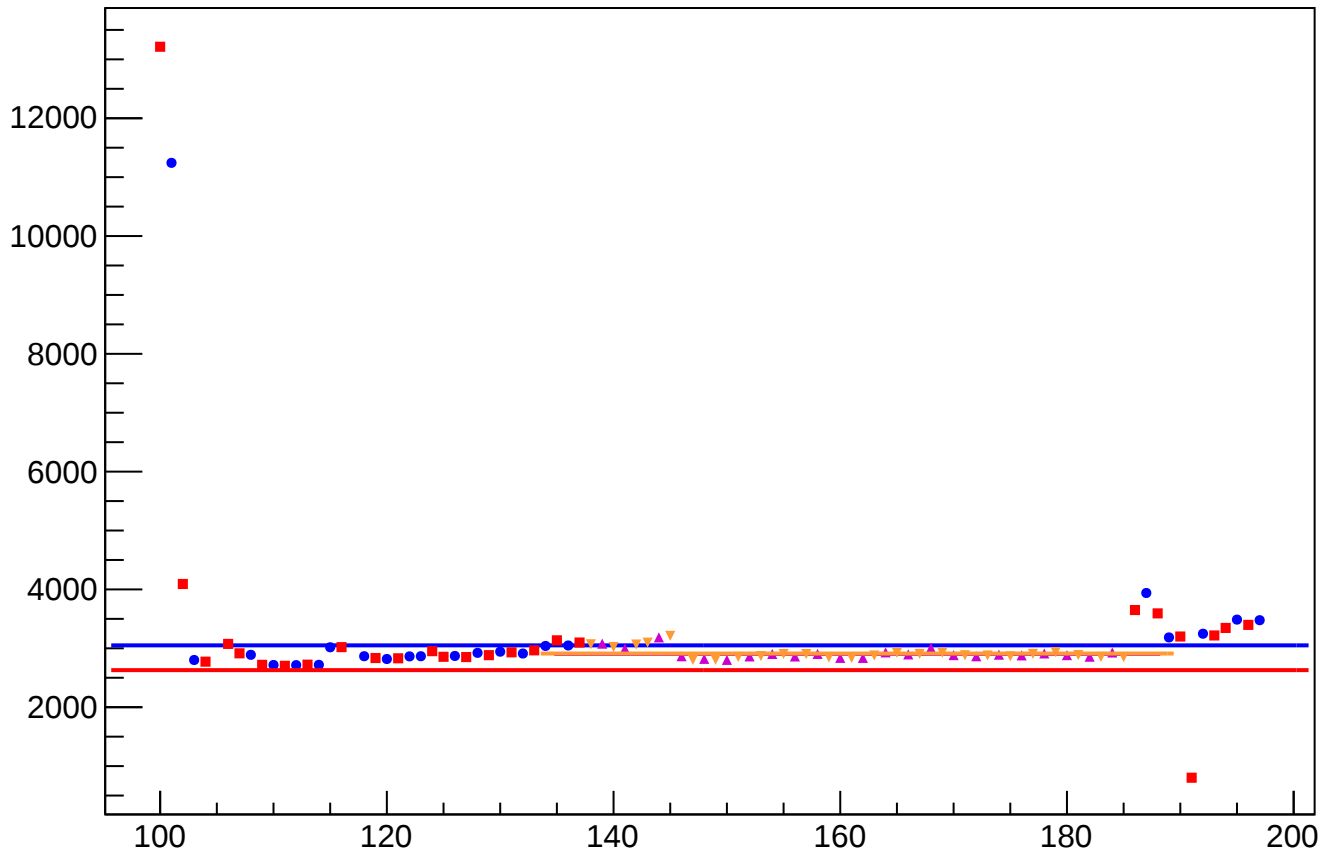
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF:35.7/22

+ sign 2866.952 $\pm$ 561.262 χ^2 /NDF: 58.1/46

All: 172.679 $\pm$ 387.701 χ^2 /NDF: 160.7/95

- sign -2286.186 $\pm$ 536.182 χ^2 /NDF: 58.5/48

asym_atr1_rms vs Slug



Right In: 3050.162+/-0.706 χ^2/NDF : 755578.1/21

Left Out: 2911.226+/-0.480 χ^2/NDF :36644.3/24

Right Out: 2629.413+/-0.595 χ^2/NDF : 2459809.1/25

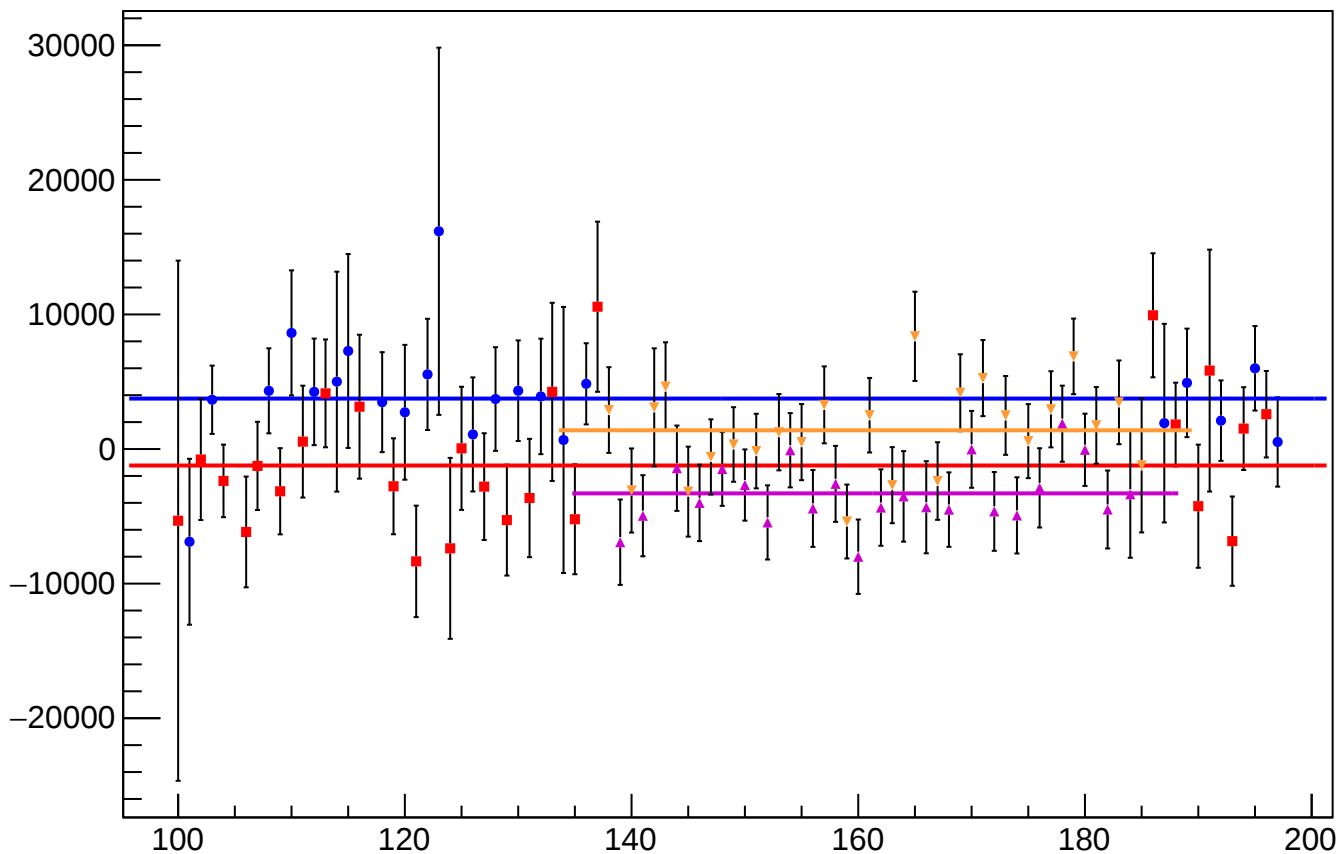
Left In: 2903.411+/-0.492 χ^2/NDF :28838.5/22

+ sign 2955.094+/-0.397 χ^2/NDF : 818700.3/46

All: 2869.885+/-0.274 χ^2/NDF : 3521484.6/95

- sign 2792.121+/-0.379 χ^2/NDF : 2614618.5/48

reg_asym_atr2_mean vs Slug



Right In: 3748.424+/-858.784 χ^2/NDF : 8.0/21

Left Out: 1390.275+/-596.516 χ^2/NDF : 29.2/24

Right Out: -1224.771+/-793.542 χ^2/NDF : 28.2/25

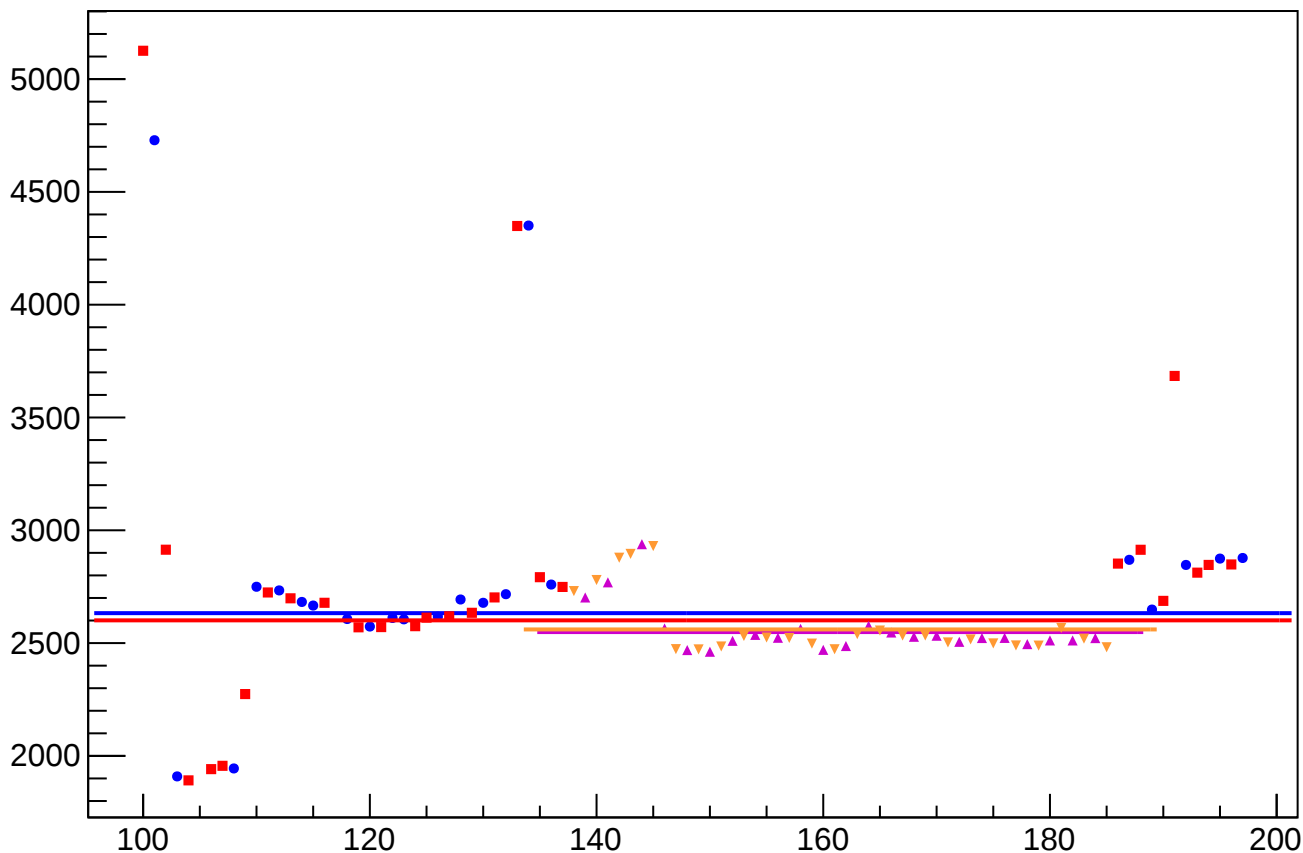
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

+ sign 2157.742+/-489.924 χ^2/NDF : 42.3/46

All: -214.613+/-344.178 χ^2/NDF : 136.0/95

- sign -2526.303+/-483.619 χ^2/NDF : 47.4/48

reg_asym_atr2_rms vs Slug



Right In: 2632.721 $\pm$ 0.607 χ^2 /NDF: 592702.8/21

Left Out: 2560.531 $\pm$ 0.422 χ^2 /NDF: 86771.4/24

Right Out: 2600.798 $\pm$ 0.561 χ^2 /NDF: 570751.8/25

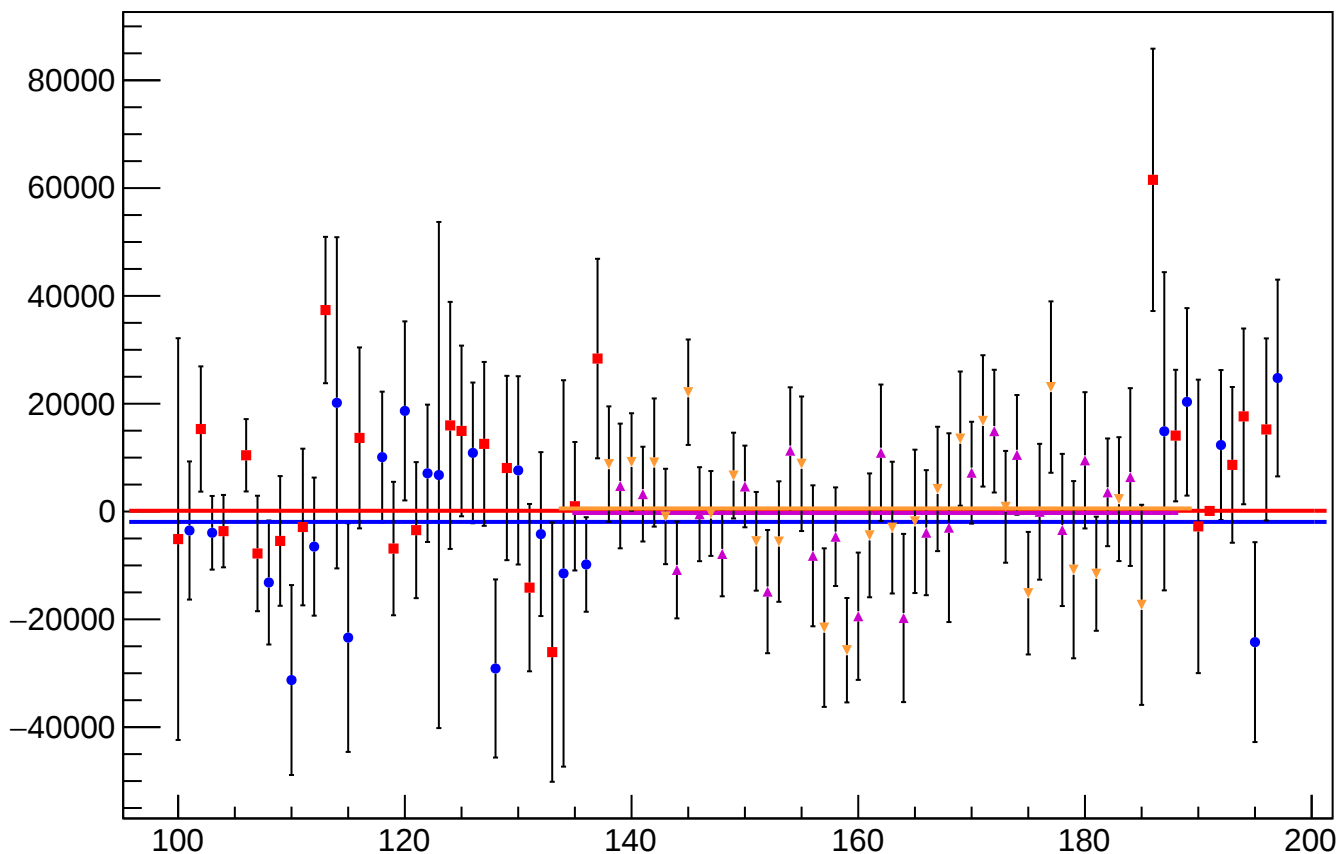
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

+ sign 2584.026 $\pm$ 0.346 χ^2 /NDF: 689007.2/46

All: 2575.989 $\pm$ 0.243 χ^2 /NDF: 1321471.3/95

- sign 2568.157 $\pm$ 0.342 χ^2 /NDF: 631401.4/48

asym_atr2_correction_mean vs Slug



Right In: -1926.862 ± 2999.589 χ^2/NDF : 20.0/21

Left Out: 572.477 ± 2184.376 χ^2/NDF : 28.2/24

Right Out: 138.235 ± 195.014 χ^2/NDF : 30.4/25

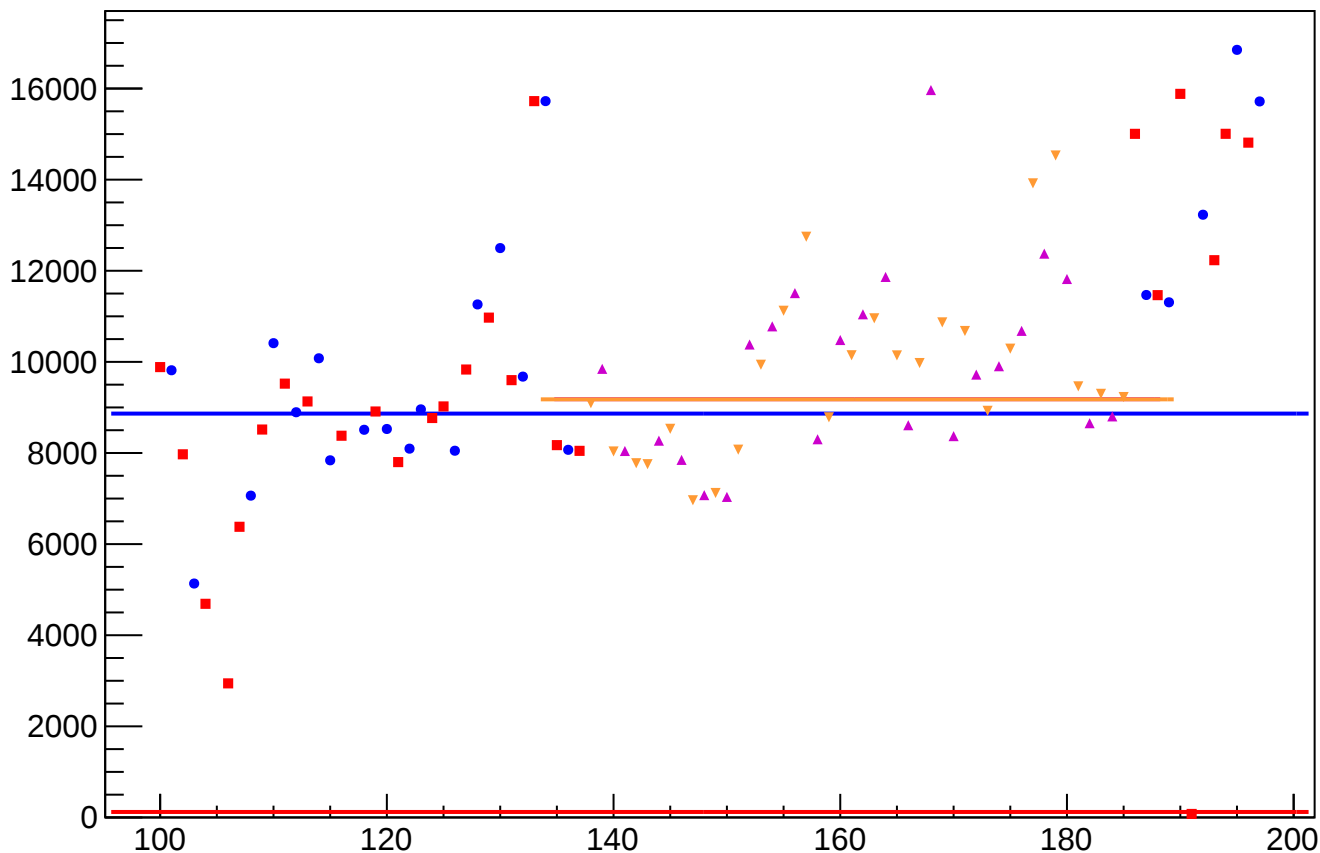
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign -293.640 ± 1765.783 χ^2/NDF : 48.7/46

All: 130.005 ± 193.115 χ^2/NDF : 94.9/95

- sign 135.133 ± 194.281 χ^2/NDF : 46.1/48

asym_atr2_correction_rms vs Slug



Right In: 8864.864+/-2.121 χ^2/NDF : 1825787.6/21

Left Out: 9177.688+/-1.545 χ^2/NDF : 1176195.8/24

Right Out: 120.470+/-0.138 χ^2/NDF : 21177820.5/25

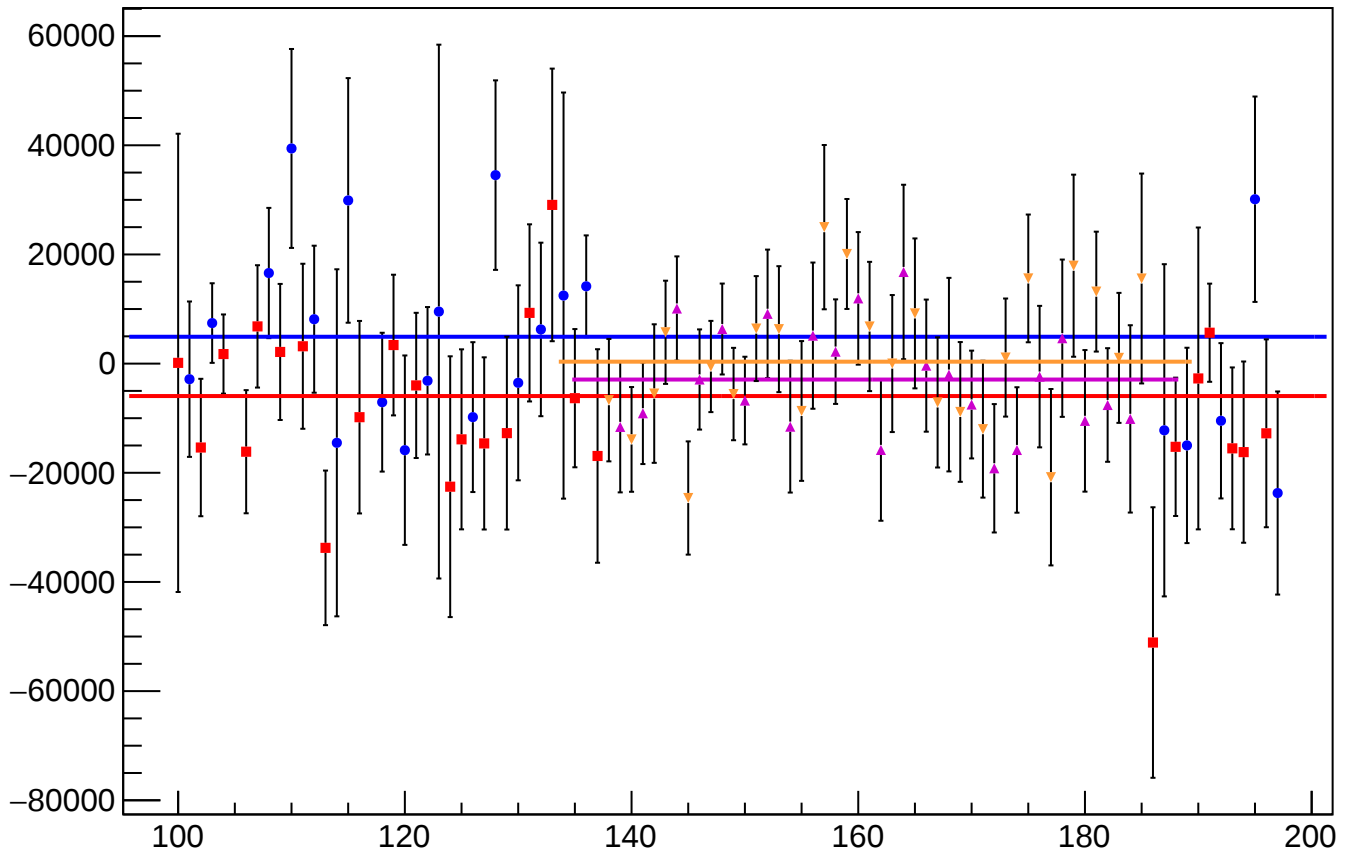
Left In: 9181.254+/-1.586 χ^2/NDF : 1236469.7/22

+ sign 9069.282+/-1.249 χ^2/NDF : 3016197.7/46

All: 294.679+/-0.137 χ^2/NDF : 107811349.7/9

- sign 188.458+/-0.137 χ^2/NDF : 54810590.7/48

asym_atr2_mean vs Slug



Right In: 4921.382 ± 3154.883 χ^2/NDF : 21.5/21

Left Out: 355.717 ± 2281.682 χ^2/NDF : 26.2/24

+ sign 1923.672 ± 1848.834 χ^2/NDF : 49.1/46

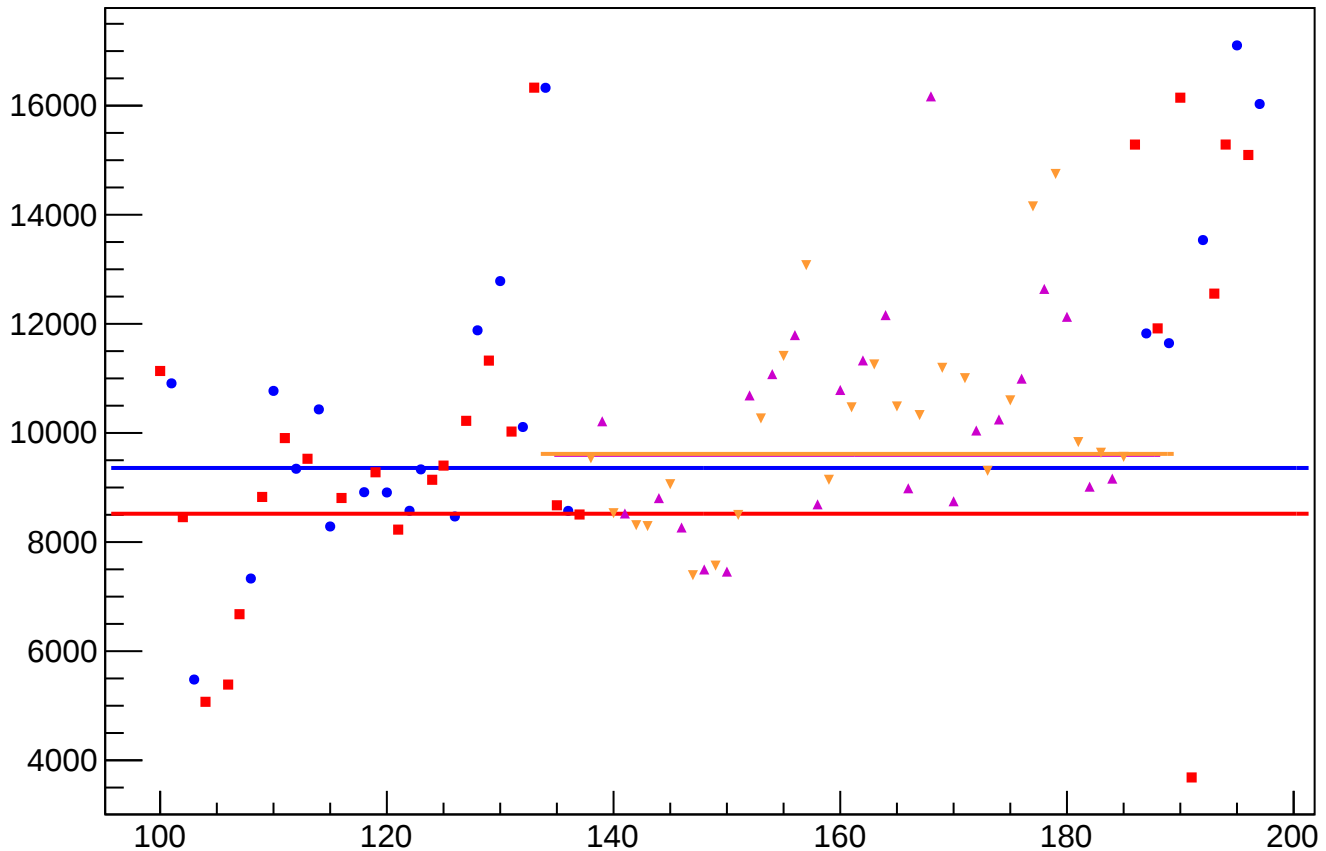
Right Out: -5941.648 ± 2748.310 χ^2/NDF : 19.9/25

All: -1246.332 ± 1282.668 χ^2/NDF : 90.3/95

- sign -4187.982 ± 1780.998 χ^2/NDF : 35.5/48

Left In: -2918.356 ± 2338.461 χ^2/NDF : 14.9/22

asym_atr2_rms vs Slug



Right In: 9358.257 $\pm$ 2.231 χ^2 /NDF: 1704194.7/21

Left Out: 9616.245 $\pm$ 1.613 χ^2 /NDF: 1011665.6/24

Right Out: 8519.420 $\pm$ 1.943 χ^2 /NDF: 2794411.9/25

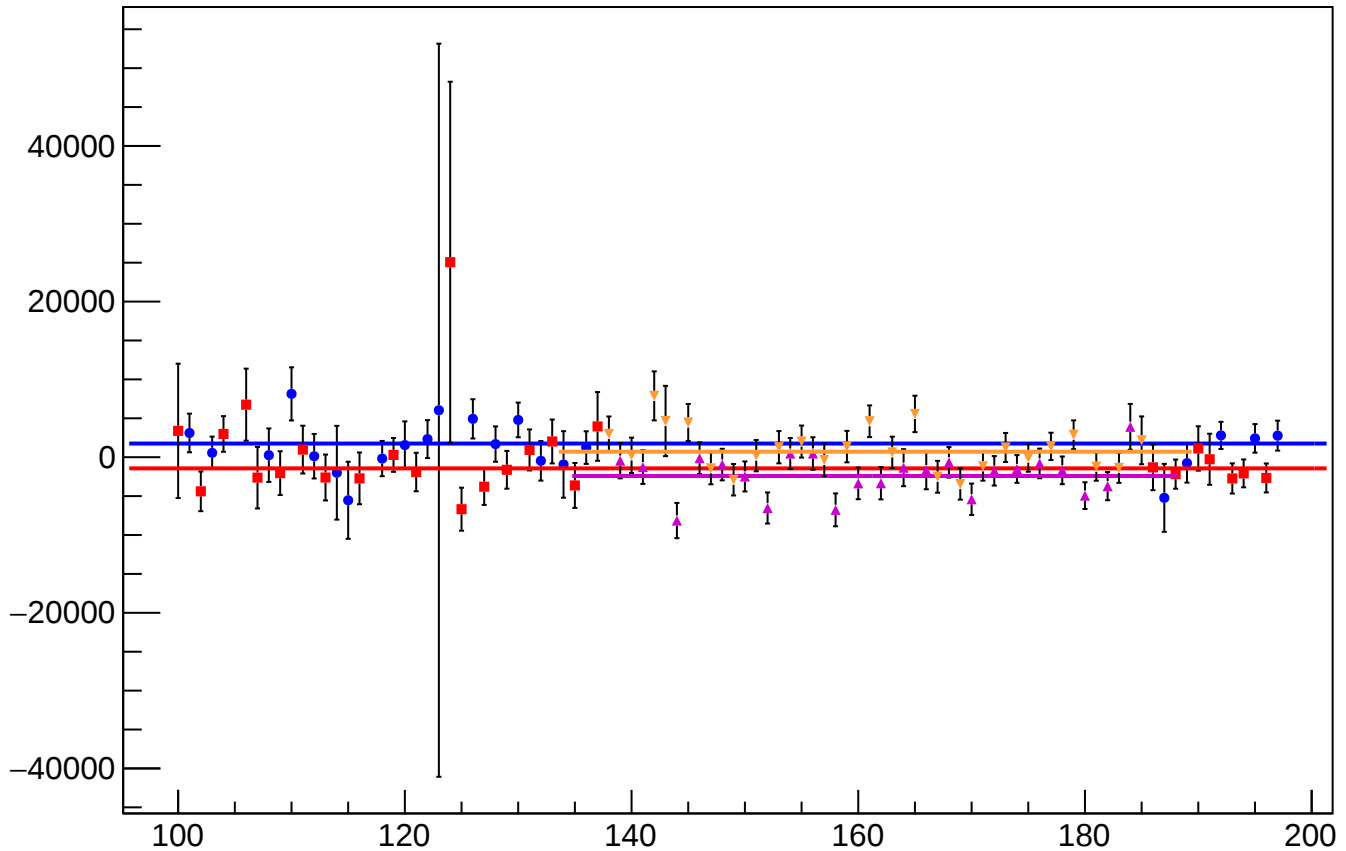
Left In: 9598.531 $\pm$ 1.654 χ^2 /NDF: 1082171.6/22

+ sign 9527.646 $\pm$ 1.307 χ^2 /NDF: 2724641.4/46

All: 9329.349 $\pm$ 0.907 χ^2 /NDF: 6824442.9/95

- sign 9145.341 $\pm$ 1.259 χ^2 /NDF: 4055444.6/48

reg_asym_atl_avg_mean vs Slug



Right In: 1754.767 $\pm$ 548.672 χ^2 /NDF: 17.0/21

Left Out: 709.722 $\pm$ 417.377 χ^2 /NDF:34.8/24

Right Out: -1435.913 $\pm$ 520.572 χ^2 /NDF: 22.6/25

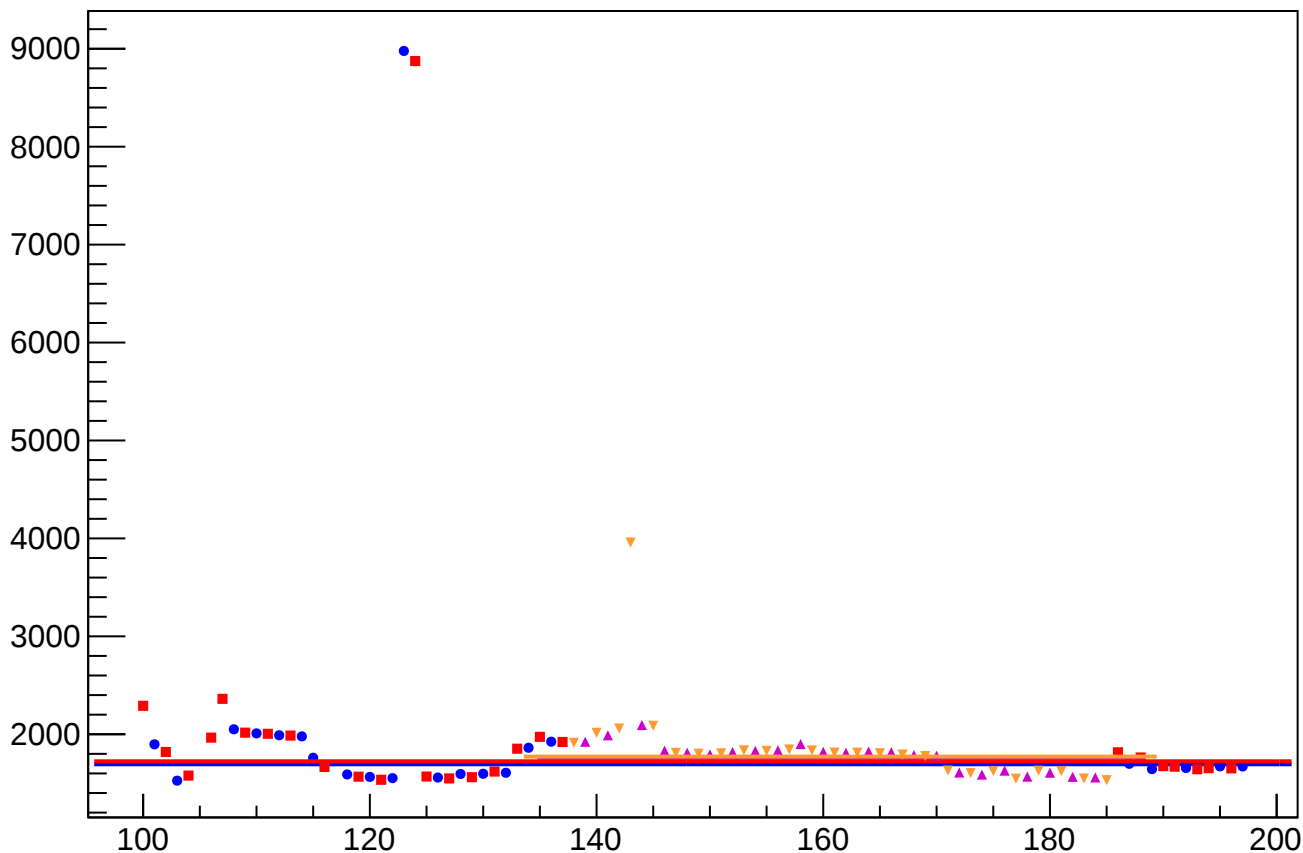
Left In: -2414.749 $\pm$ 423.472 χ^2 /NDF:34.0/22

+ sign 1092.790 $\pm$ 332.187 χ^2 /NDF: 54.1/46

All: -483.455 $\pm$ 233.579 χ^2 /NDF: 157.4/95

- sign -2024.956 $\pm$ 328.506 χ^2 /NDF: 58.8/48

reg_asym_atl_avg_rms vs Slug



Right In: 1693.550+/-0.388 χ^2/NDF : 198984.5/21

Left Out: 1772.046+/-0.295 χ^2/NDF : 702472.4/24

Right Out: 1723.958+/-0.367 χ^2/NDF : 412480.0/25

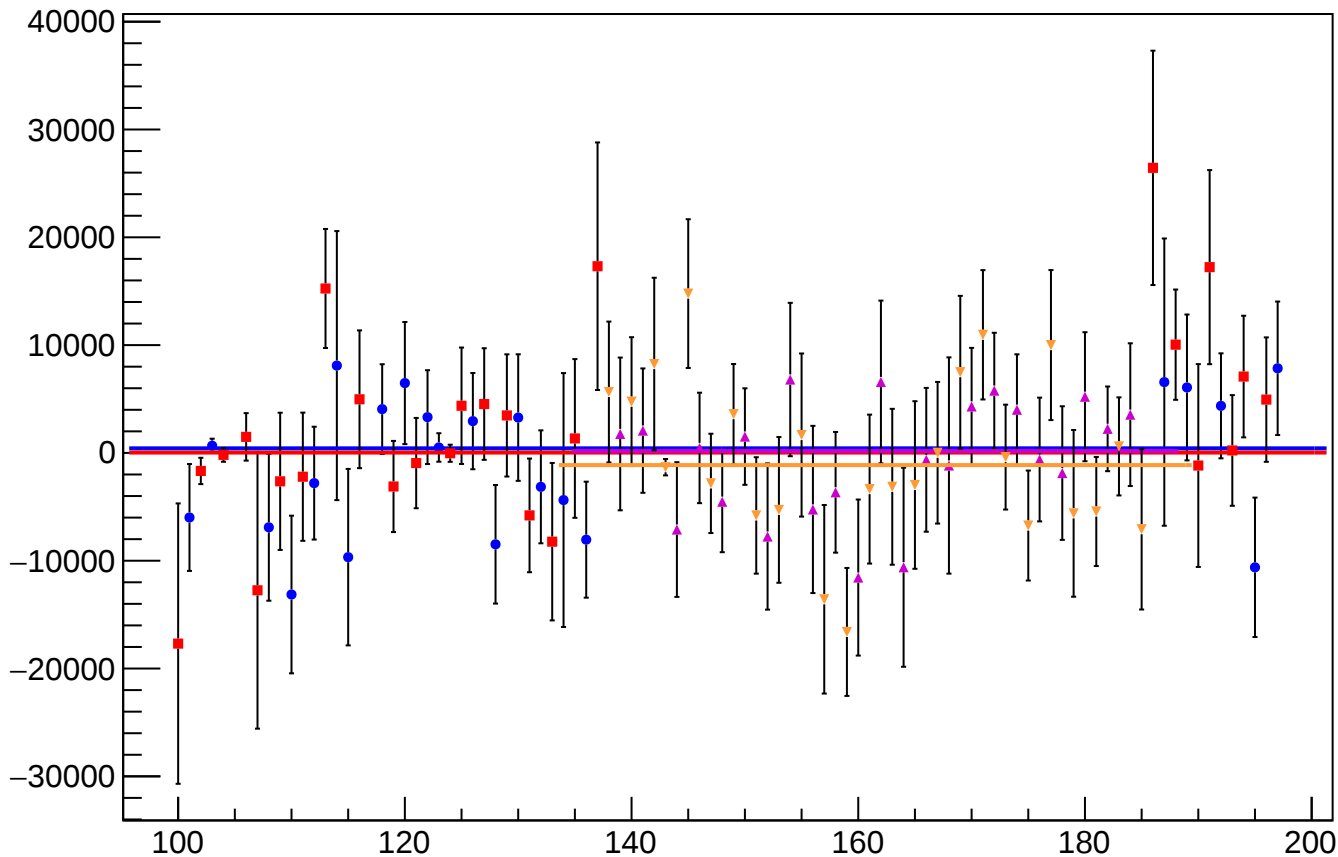
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1743.273+/-0.235 χ^2/NDF : 927387.1/46

All: 1744.329+/-0.165 χ^2/NDF : 1560458.5/95

- sign 1745.360+/-0.232 χ^2/NDF : 633031.4/48

asym_atl_avg_correction_mean vs Slug



Right In: 424.847 $\pm$ 531.451 χ^2 /NDF: 23.2/21

Left Out: -1129.807 $\pm$ 647.600 χ^2 /NDF:31.5/24

Right Out: 33.940 $\pm$ 426.912 χ^2 /NDF: 36.7/25

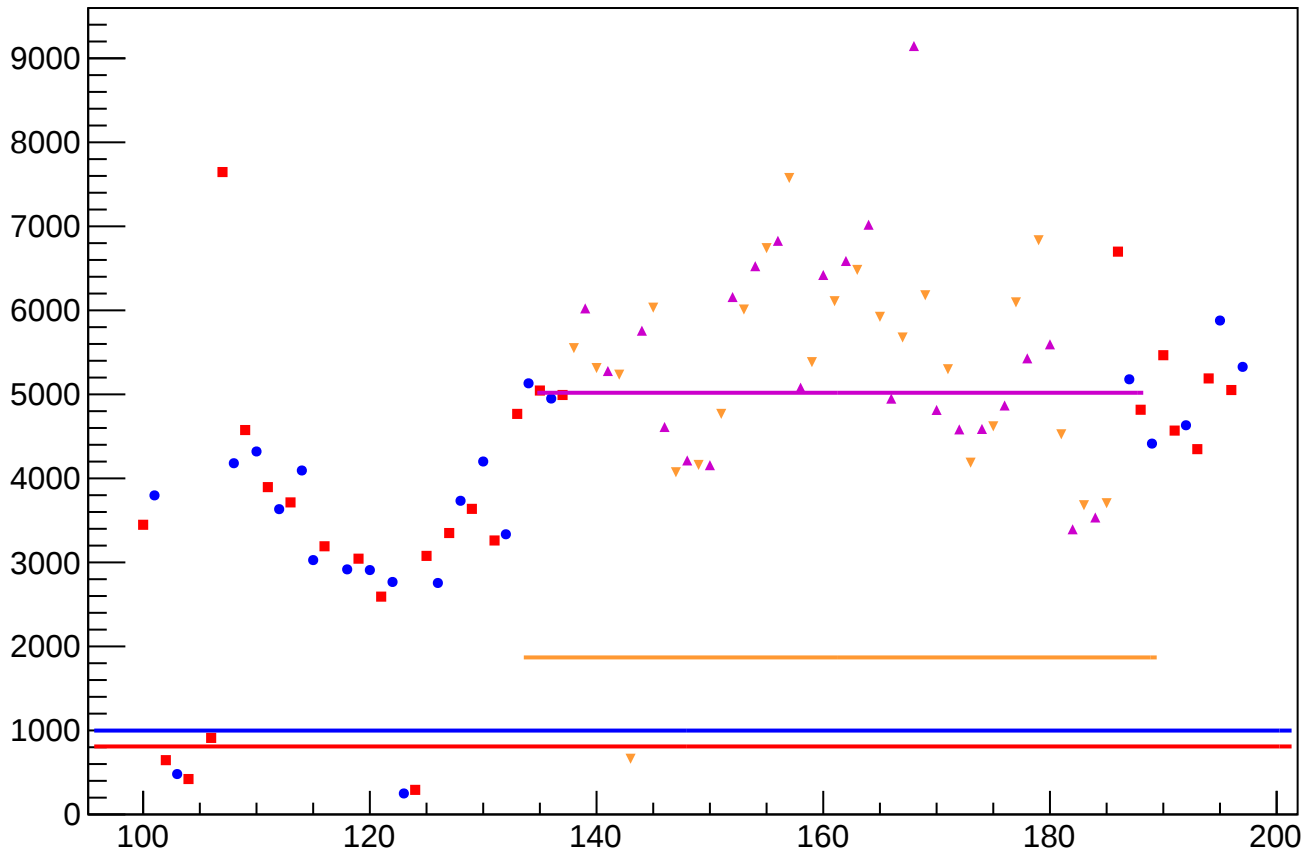
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

+ sign -200.802 $\pm$ 410.823 χ^2 /NDF: 58.2/46

All: -73.967 $\pm$ 287.834 χ^2 /NDF: 109.3/95

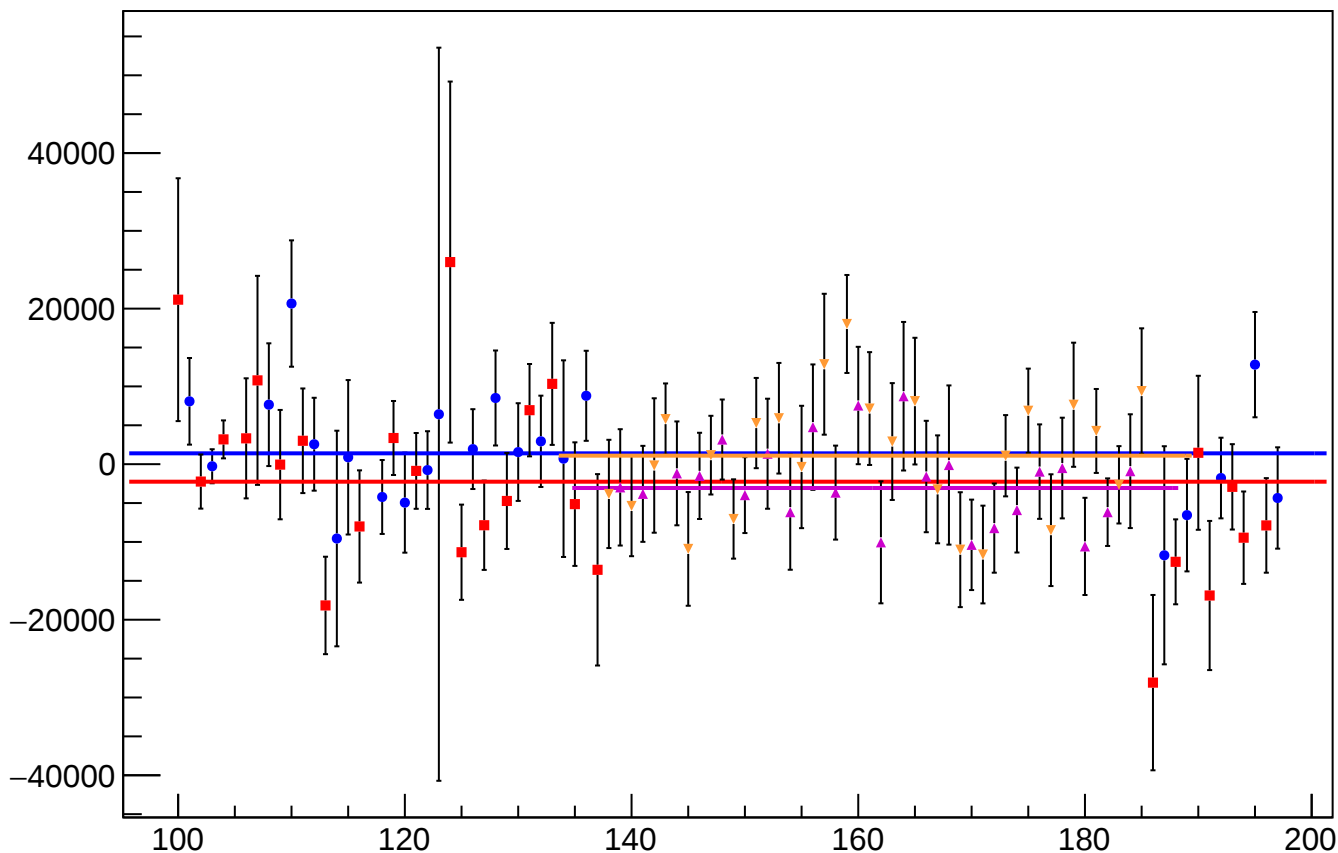
- sign 48.322 $\pm$ 403.394 χ^2 /NDF: 50.9/48

asym_atl_avg_correction_rms vs Slug



Right In: 998.408+/-0.376	χ^2/NDF : 12198997.2/21	+ sign 1348.759+/-0.290	χ^2/NDF : 34211215.5/46
Left Out: 1868.983+/-0.458	χ^2/NDF : 19852416.6/24	All: 1303.740+/-0.204	χ^2/NDF : 71098574.0/9
Right Out: 809.298+/-0.302	χ^2/NDF : 14434469.0/25	- sign 1260.334+/-0.285	χ^2/NDF : 36840186.5/48
Left In: 5019.114+/-0.871	χ^2/NDF : 1569031.9/22		

asym_atl_avg_mean vs Slug



Right In: 1393.498+/-1206.848 χ^2/NDF : 20.6/21

Left Out: 1094.317+/-1273.113 χ^2/NDF : 32.0/24

Right Out: -2252.675+/-1152.047 χ^2/NDF : 42.3/25

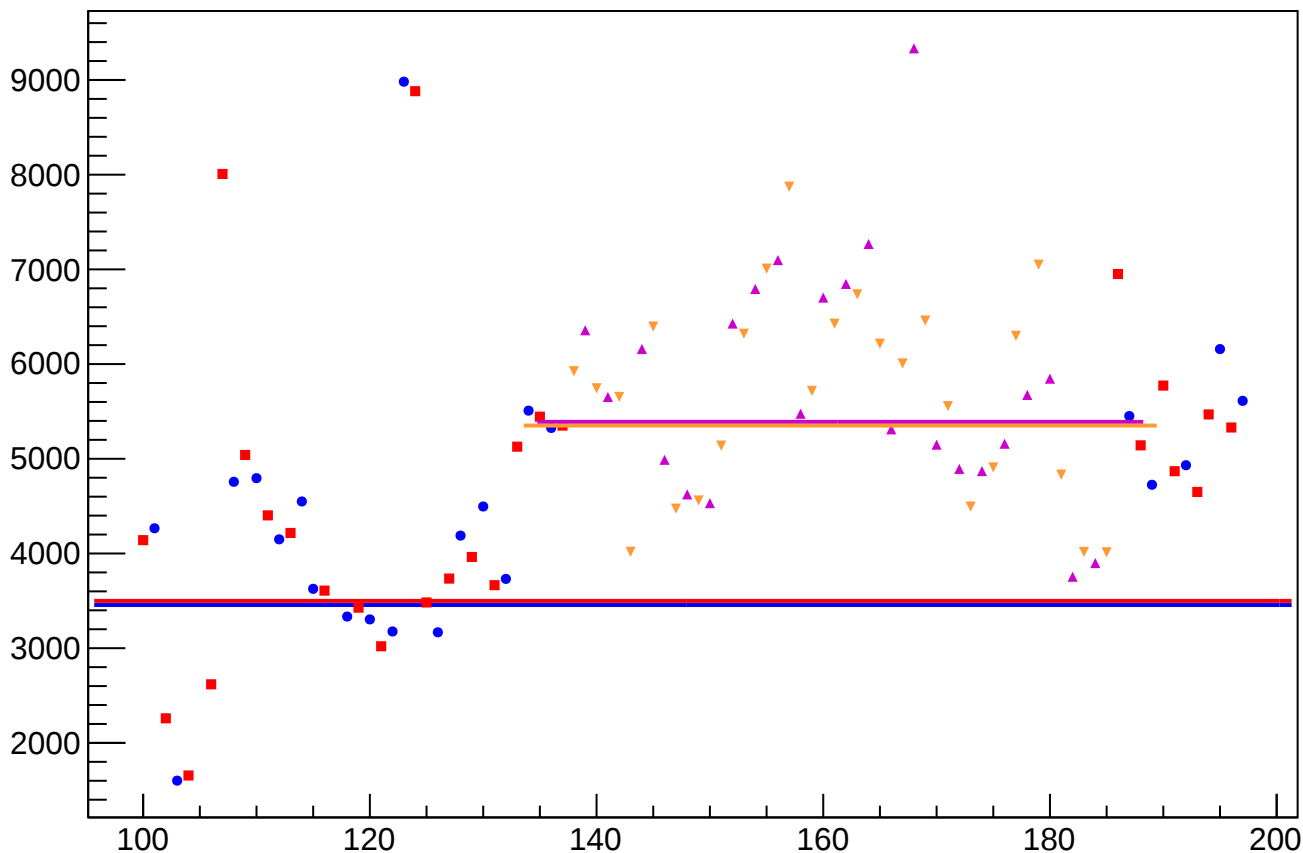
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

+ sign 1251.896+/-875.860 χ^2/NDF : 52.6/46

All: -694.844+/-616.330 χ^2/NDF : 117.5/95

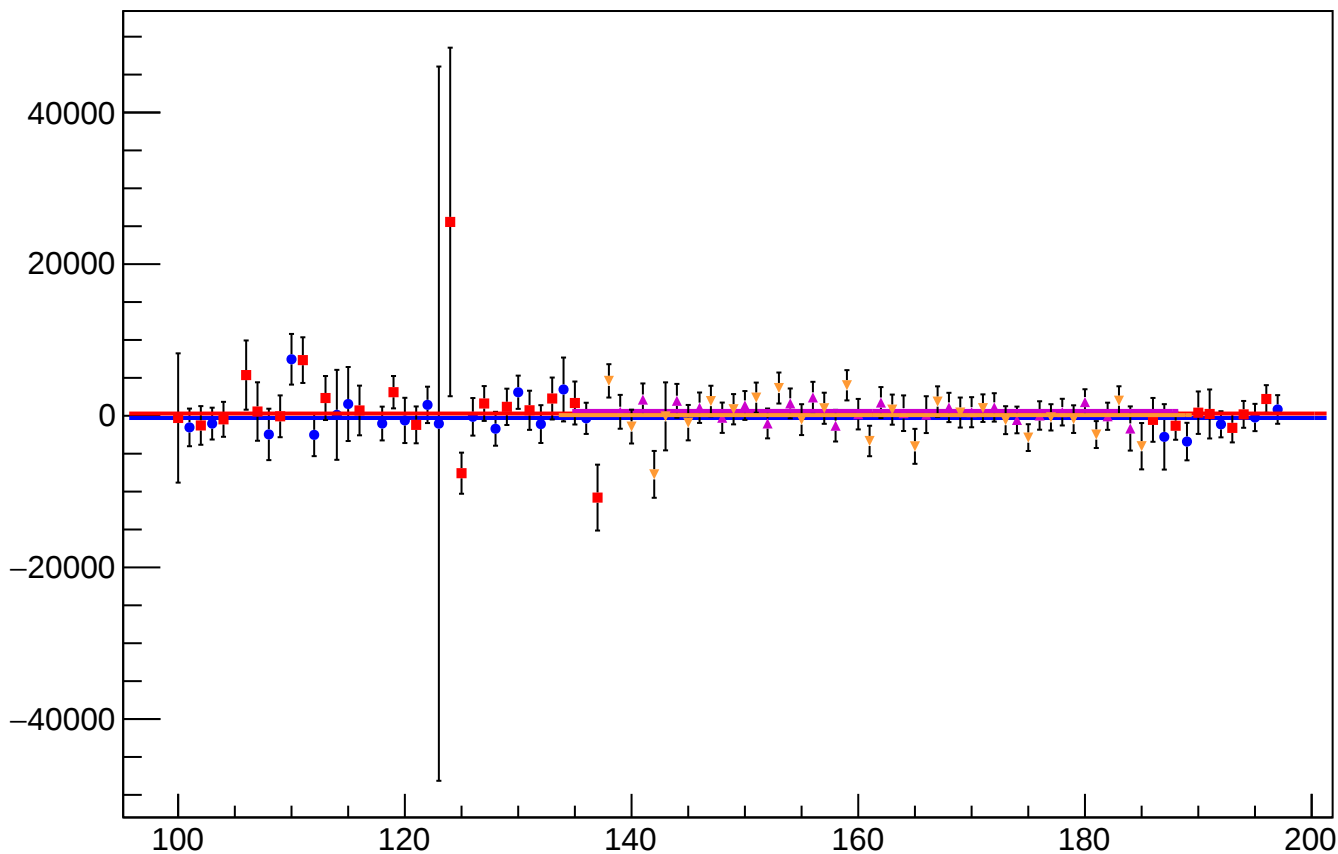
- sign -2604.356+/-867.445 χ^2/NDF : 55.1/48

asym_atl_avg_rms vs Slug



Right In: 3455.937 $\pm$ 0.853	χ^2 /NDF: 2821261.9/21	+ sign 4352.772 $\pm$ 0.619	χ^2 /NDF: 6396322.4/46
Left Out: 5350.804 $\pm$ 0.900	χ^2 /NDF: 1241497.9/24		
Right Out: 3499.658 $\pm$ 0.805	χ^2 /NDF: 3234958.1/25	All: 4329.655 $\pm$ 0.434	χ^2 /NDF: 13298754.2/9
Left In: 5389.724 $\pm$ 0.932	χ^2 /NDF: 1309863.0/22	- sign 4307.281 $\pm$ 0.609	χ^2 /NDF: 6899690.1/48

reg_asym_atl_dd_mean vs Slug



Right In: -294.937 ± 540.753 χ^2/NDF : 13.8/21

Left Out: 86.214 ± 411.530 χ^2/NDF : 36.0/24

Right Out: 294.100 ± 512.988 χ^2/NDF : 30.2/25

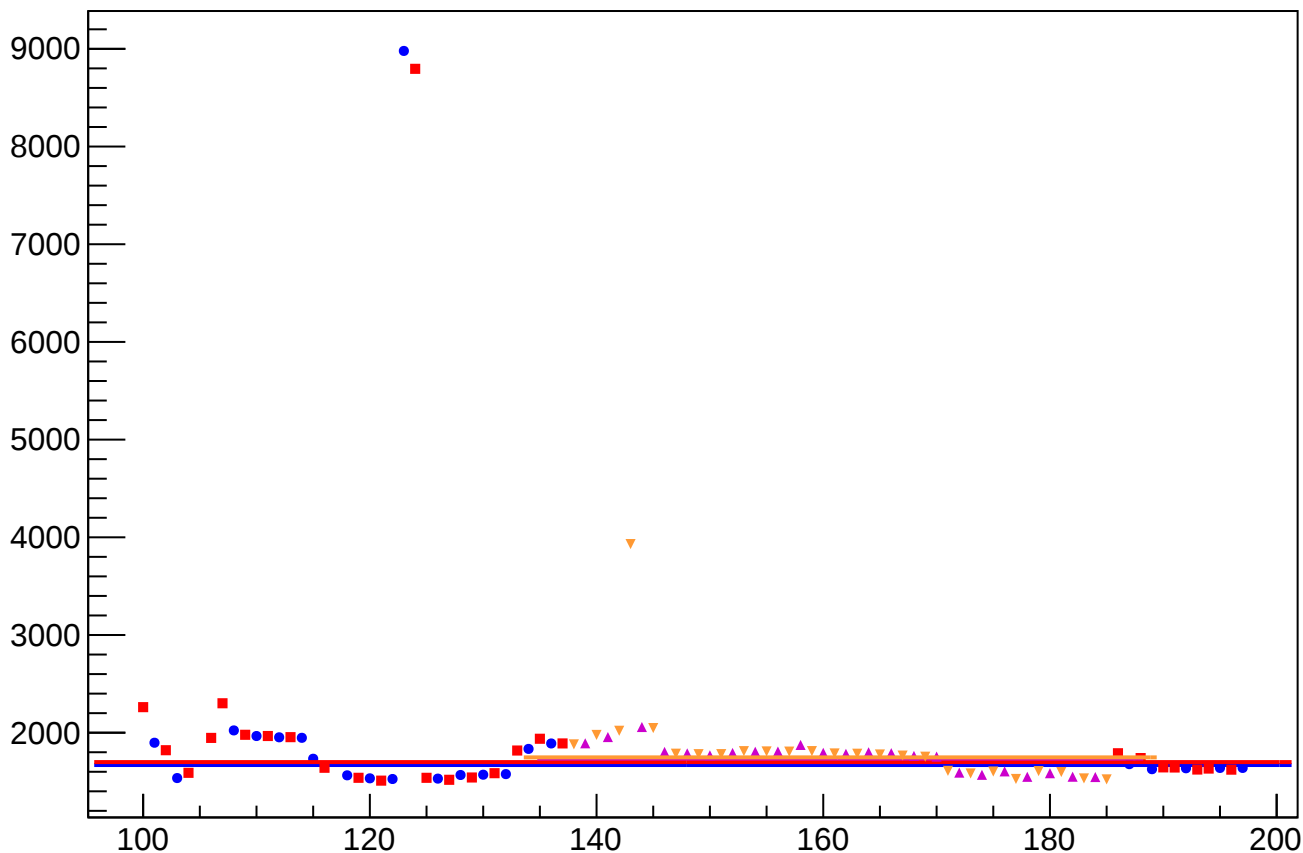
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -53.575 ± 327.482 χ^2/NDF : 50.1/46

All: 227.417 ± 230.281 χ^2/NDF : 88.2/95

- sign 502.260 ± 323.880 χ^2/NDF : 36.6/48

reg_asym_atl_dd_rms vs Slug



Right In: 1669.158+/-0.382 χ^2/NDF : 197514.8/21

Left Out: 1747.320+/-0.291 χ^2/NDF : 698192.3/24

Right Out: 1699.187+/-0.362 χ^2/NDF : 409034.5/25

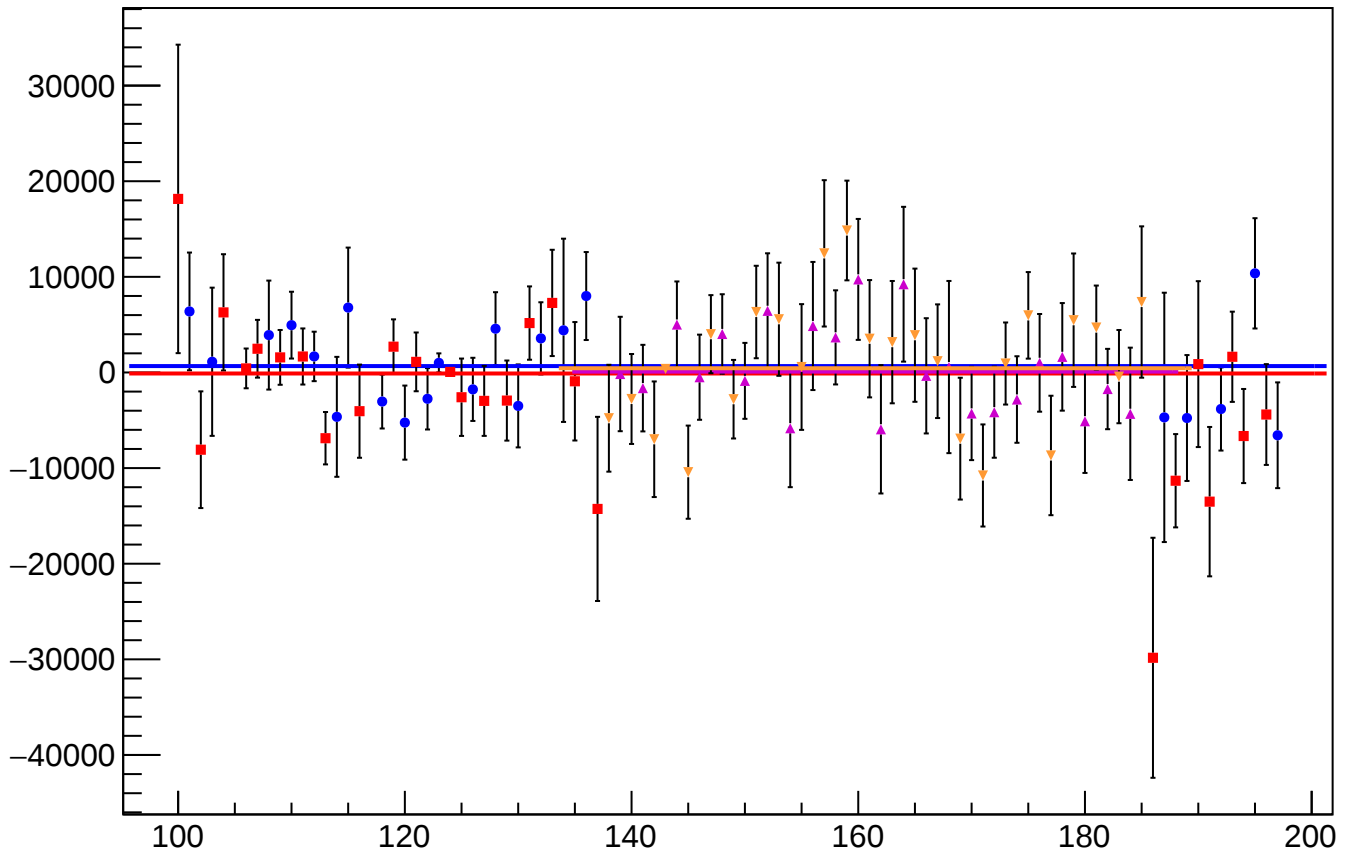
Left In: 1735.540+/-0.295 χ^2/NDF : 206766.6/22

+ sign 1718.654+/-0.232 χ^2/NDF : 922167.9/46

All: 1719.843+/-0.163 χ^2/NDF : 1544080.7/95

- sign 1721.004+/-0.229 χ^2/NDF : 621860.6/48

asym_atl_dd_correction_mean vs Slug



Right In: 668.488 $\pm$ 682.596 χ^2/NDF : 22.1/21

Left Out: 442.187 $\pm$ 440.335 χ^2/NDF : 33.9/24

Right Out: -107.272 $\pm$ 352.825 χ^2/NDF : 37.4/25

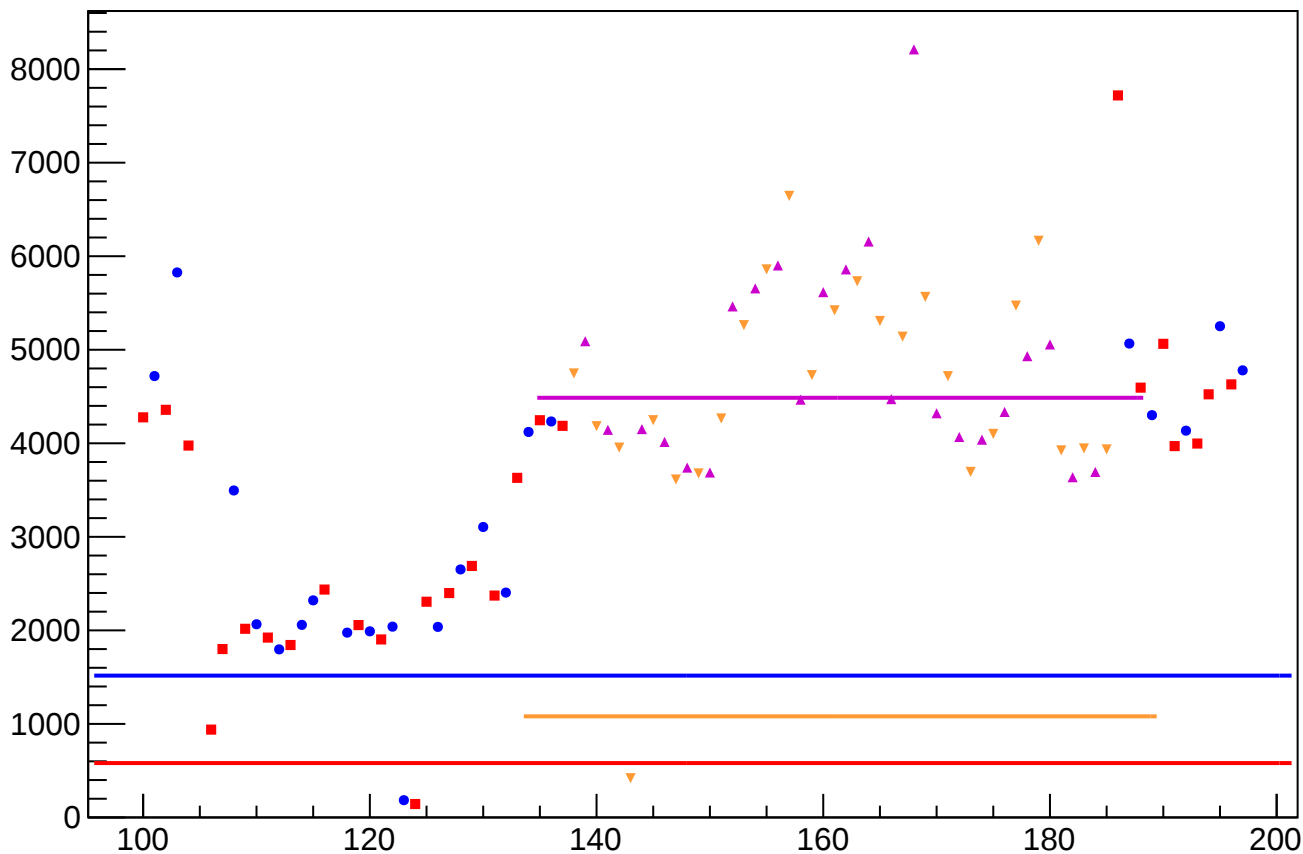
Left In: 88.508 $\pm$ 1094.838 χ^2/NDF : 13.4/22

+ sign 508.687 $\pm$ 370.024 χ^2/NDF : 56.0/46

All: 181.028 $\pm$ 248.675 χ^2/NDF : 108.3/95

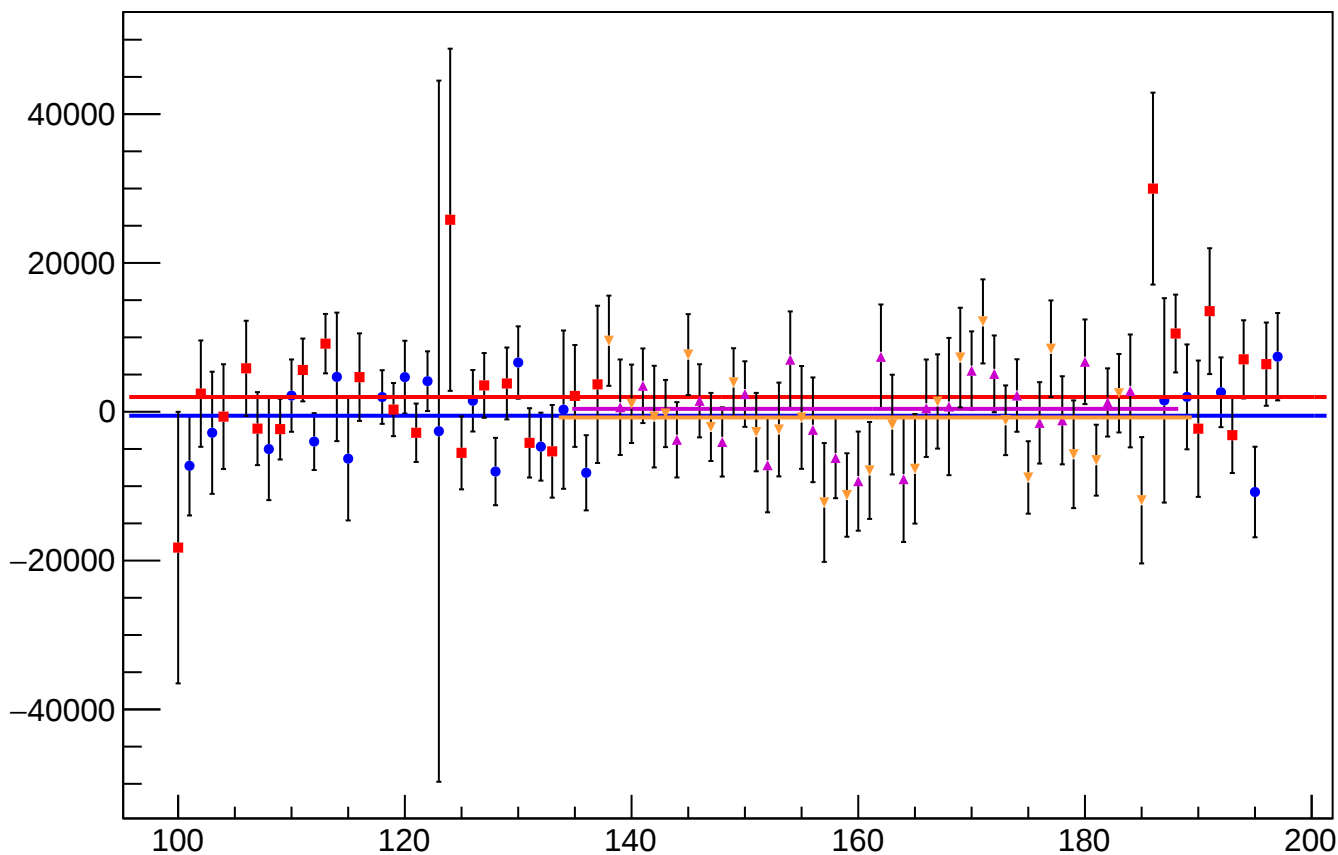
- sign -88.852 $\pm$ 335.818 χ^2/NDF : 50.8/48

asym_atl_dd_correction_rms vs Slug



Right In: 1516.314 $\pm$ 0.483	χ^2 /NDF: 9473347.3/21	+ sign 1208.921 $\pm$ 0.262	χ^2 /NDF: 34503964.3/46
Left Out: 1081.004 $\pm$ 0.311	χ^2 /NDF: 24456244.2/24	All: 1066.285 $\pm$ 0.176	χ^2 /NDF: 75978319.9/9
Right Out: 581.393 $\pm$ 0.249	χ^2 /NDF: 16699232.9/25	- sign 948.802 $\pm$ 0.237	χ^2 /NDF: 40932388.6/48
Left In: 4486.570 $\pm$ 0.774	χ^2 /NDF: 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -532.512 ± 1153.665 χ^2/NDF : 20.0/21

Left Out: -766.008 ± 1147.372 χ^2/NDF : 29.9/24

Right Out: 1981.696 ± 1068.145 χ^2/NDF : 28.4/25

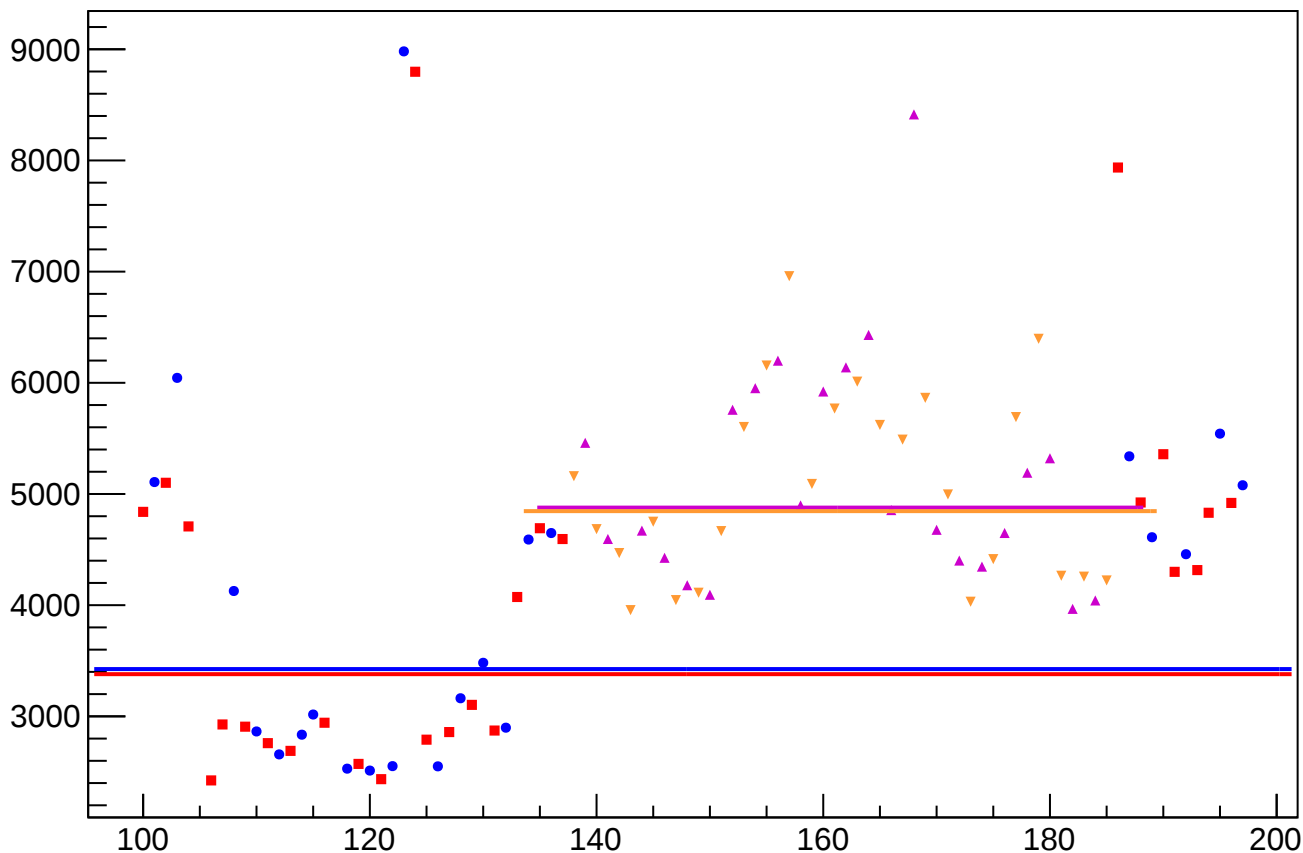
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -649.898 ± 813.530 χ^2/NDF : 50.0/46

All: 332.895 ± 568.144 χ^2/NDF : 96.3/95

- sign 1268.567 ± 793.788 χ^2/NDF : 43.5/48

asym_atl_dd_rms vs Slug



Right In: 3425.290+/-0.816 χ^2/NDF : 1647165.5/21

Left Out: 4845.779+/-0.811 χ^2/NDF : 909173.9/24

Right Out: 3379.468+/-0.748 χ^2/NDF : 1889981.1/25

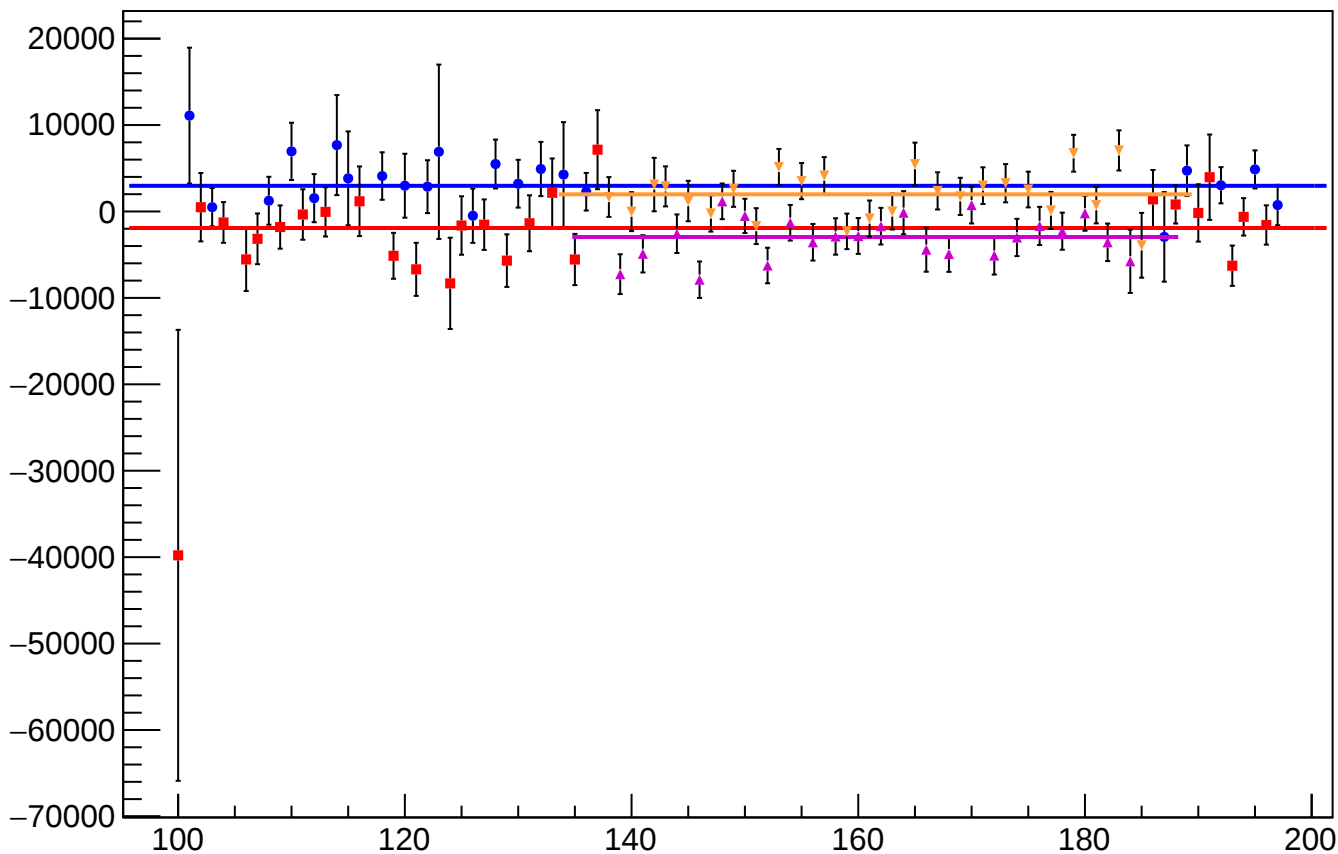
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4139.416+/-0.575 χ^2/NDF : 4080698.4/46

All: 4089.595+/-0.401 χ^2/NDF : 8720968.6/95

- sign 4042.692+/-0.558 χ^2/NDF : 4625707.8/48

reg_asym_atr_avg_mean vs Slug



Right In: 2968.474 ± 642.086 χ^2/NDF : 11.3/21

Left Out: 1985.469 ± 443.190 χ^2/NDF : 32.4/24

Right Out: -1911.576 ± 594.460 χ^2/NDF : 26.5/25

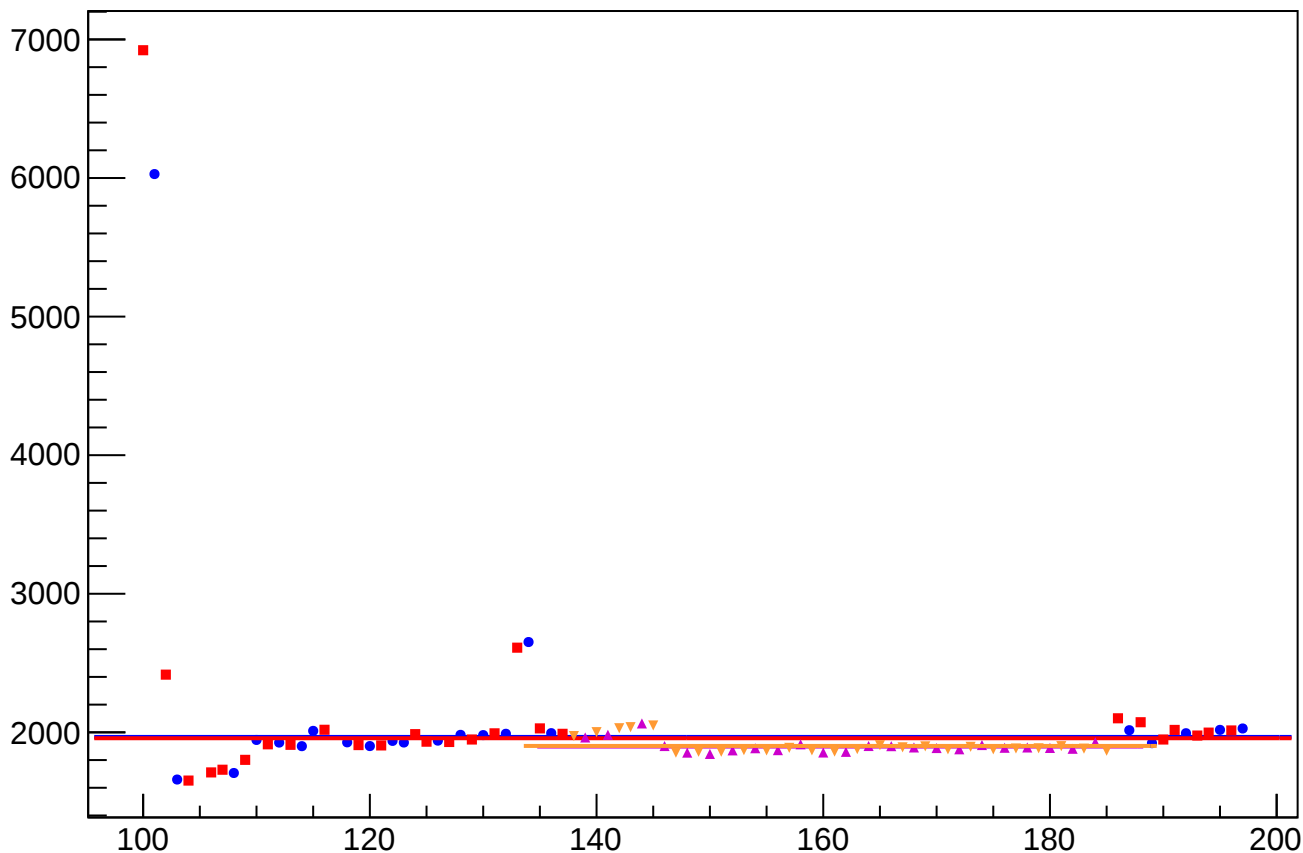
Left In: -2955.900 ± 454.551 χ^2/NDF : 28.4/22

+ sign 2302.672 ± 364.741 χ^2/NDF : 45.3/46

All: -158.491 ± 256.609 χ^2/NDF : 192.4/95

- sign -2570.589 ± 361.087 χ^2/NDF : 56.9/48

reg_asym_atr_avg_rms vs Slug



Right In: 1966.838 $\pm$ 0.454 χ^2 /NDF: 621519.6/21

Left Out: 1901.884 $\pm$ 0.313 χ^2 /NDF: 30446.9/24

Right Out: 1957.431 $\pm$ 0.420 χ^2 /NDF: 233028.6/25

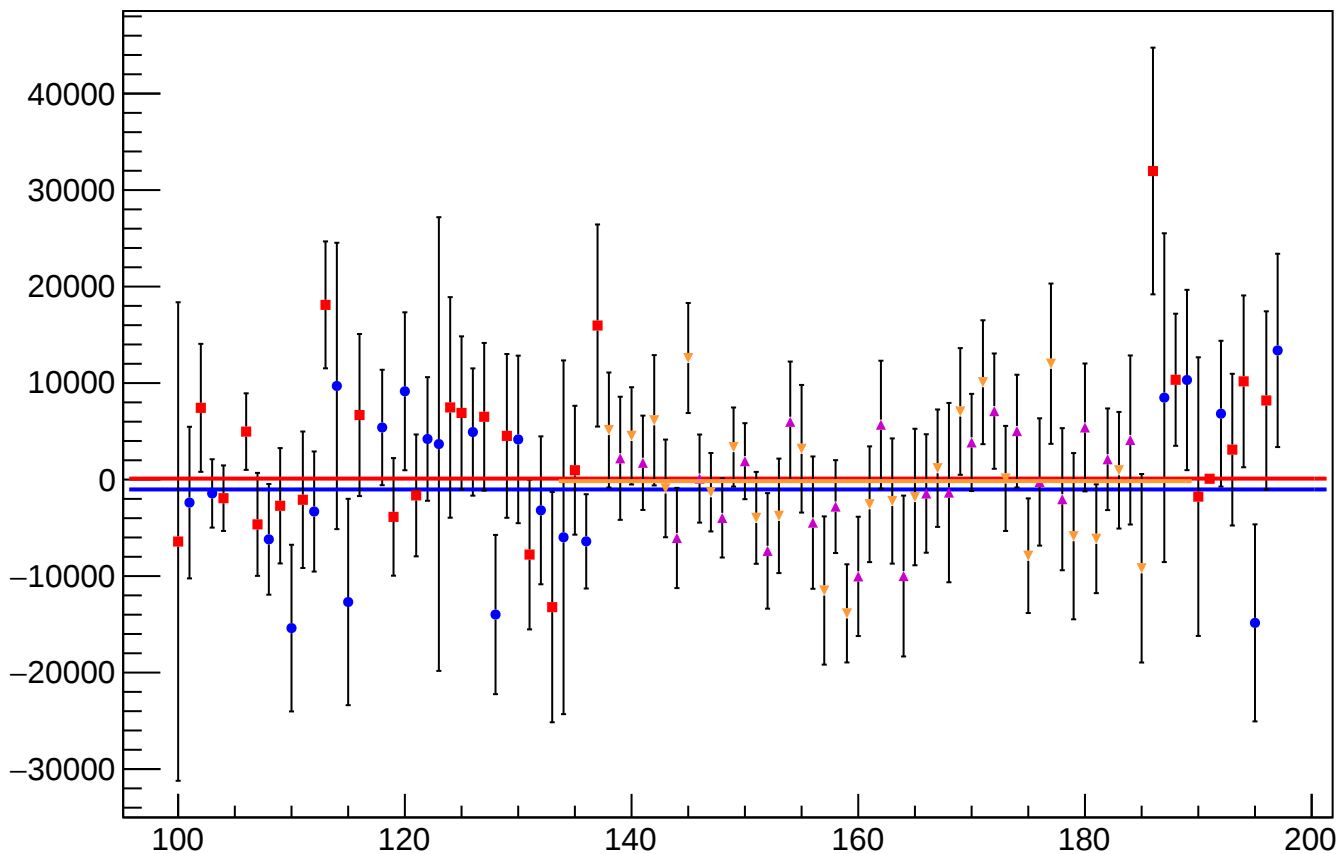
Left In: 1897.456 $\pm$ 0.321 χ^2 /NDF: 21180.1/22

+ sign 1922.844 $\pm$ 0.258 χ^2 /NDF: 665829.3/46

All: 1921.218 $\pm$ 0.181 χ^2 /NDF: 932987.6/95

- sign 1919.626 $\pm$ 0.255 χ^2 /NDF: 267079.6/48

asym_atr_avg_correction_mean vs Slug



Right In: -1022.707 ± 1556.620 χ^2/NDF : 20.6/21

Left Out: -157.539 ± 1165.844 χ^2/NDF : 29.5/24

Right Out: 101.272 ± 109.598 χ^2/NDF : 30.3/25

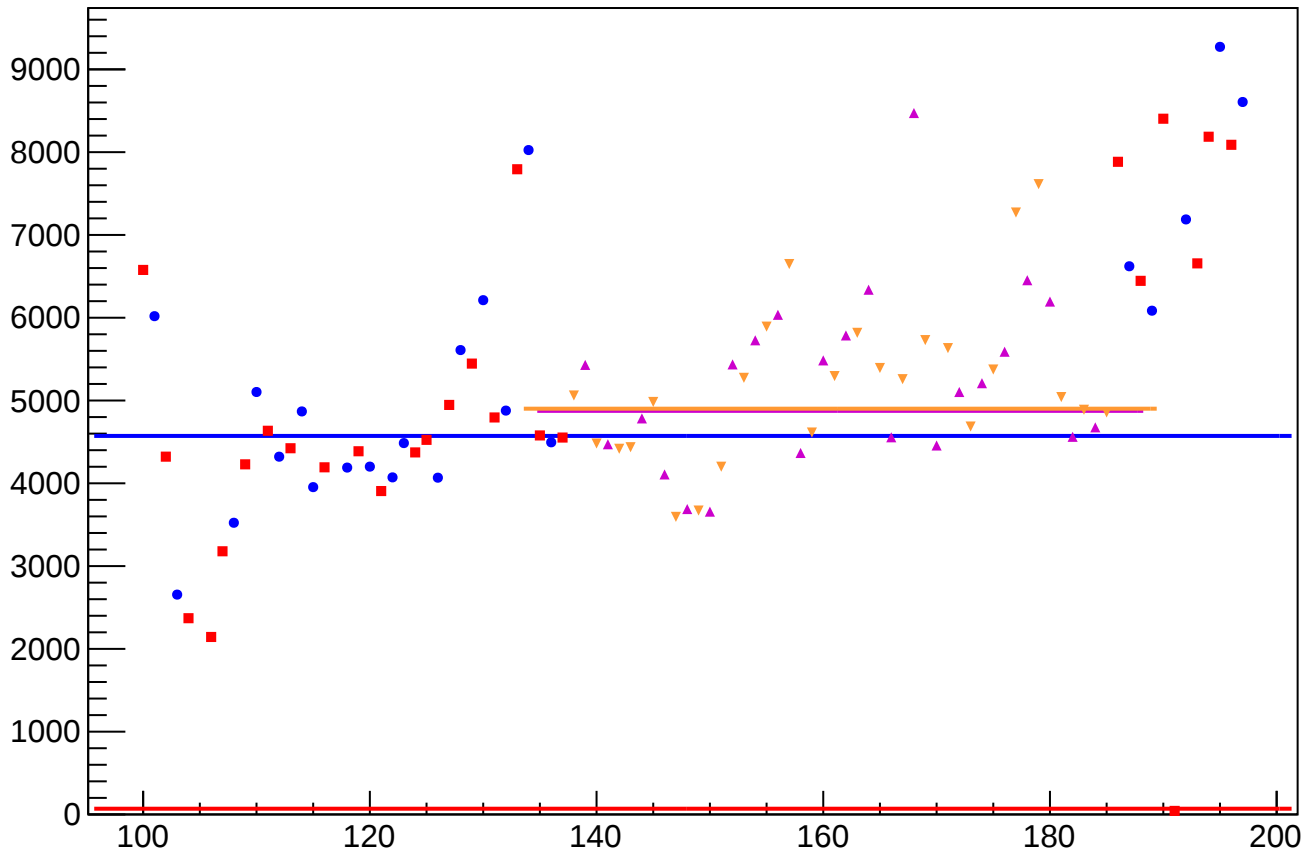
Left In: -139.000 ± 1190.889 χ^2/NDF : 14.7/22

+ sign -468.446 ± 933.142 χ^2/NDF : 50.3/46

All: 91.594 ± 108.398 χ^2/NDF : 95.7/95

- sign 99.254 ± 109.137 χ^2/NDF : 45.0/48

asym_atr_avg_correction_rms vs Slug



Right In: 4572.348 $\pm$ 1.101 χ^2 /NDF: 2021324.6/21

Left Out: 4901.357 $\pm$ 0.824 χ^2 /NDF:1136916.0/24

Right Out: 69.344 $\pm$ 0.077 χ^2 /NDF: 21235945.8/25

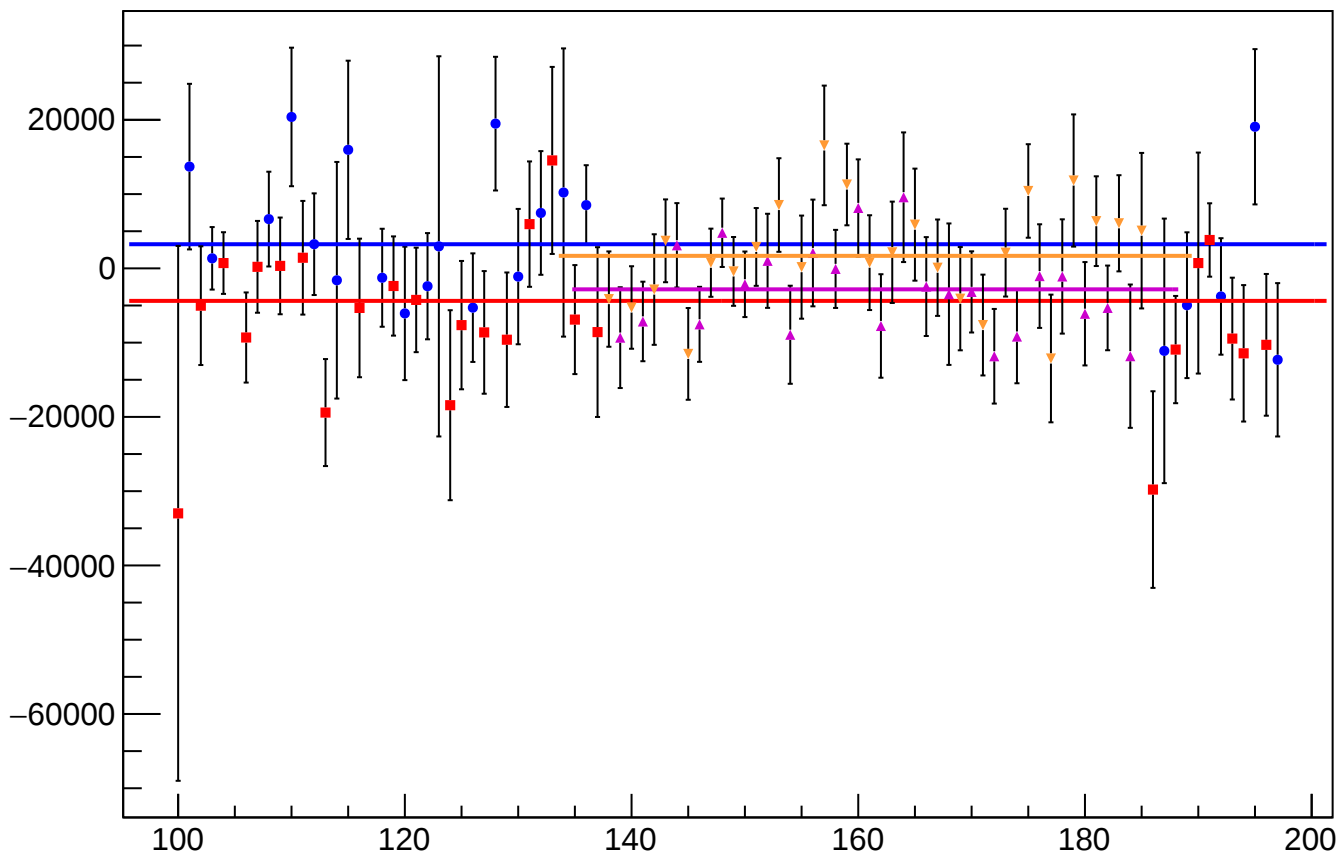
Left In: 4875.112 $\pm$ 0.842 χ^2 /NDF:1229198.0/22

+ sign 4783.124 $\pm$ 0.660 χ^2 /NDF: 3215479.7/46

All: 172.769 $\pm$ 0.077 χ^2 /NDF: 107465186.1/5

- sign 109.705 $\pm$ 0.077 χ^2 /NDF: 54761242.3/48

asym_atr_avg_mean vs Slug



Right In: 3250.049+/-1734.499 χ^2/NDF : 21.0/21

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -4377.411+/-1502.772 χ^2/NDF : 23.6/25

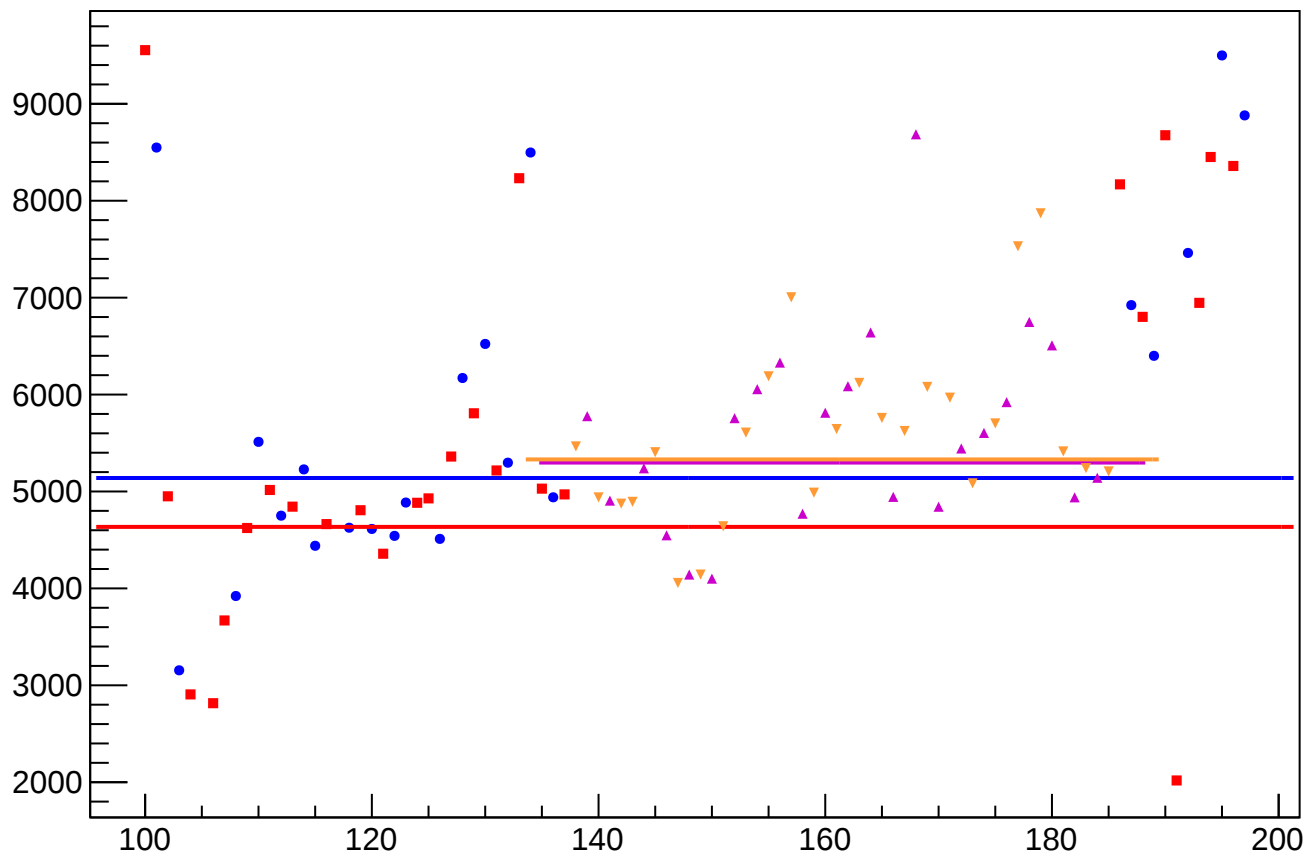
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 2227.534+/-1020.287 χ^2/NDF : 47.0/46

All: -747.694+/-706.077 χ^2/NDF : 105.5/95

- sign -3482.151+/-978.133 χ^2/NDF : 42.2/48

asym_atr_avg_rms vs Slug



Right In: 5139.198 $\pm$ 1.226 χ^2 /NDF: 1743662.7/21

Left Out: 5330.725 $\pm$ 0.892 χ^2 /NDF: 868061.7/24

Right Out: 4634.592 $\pm$ 1.058 χ^2 /NDF: 2724790.5/25

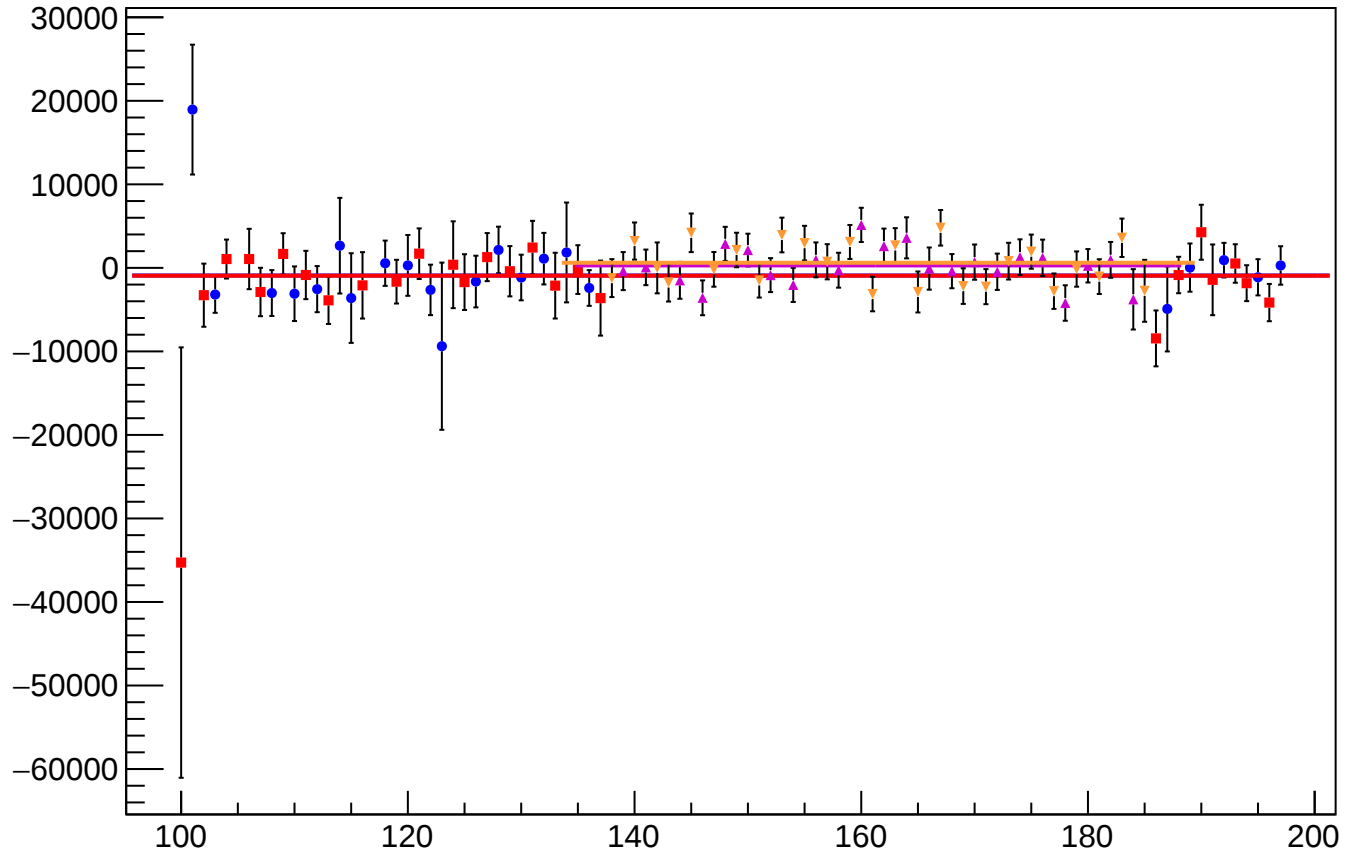
Left In: 5298.329 $\pm$ 0.911 χ^2 /NDF: 956021.6/22

+ sign 5264.453 $\pm$ 0.721 χ^2 /NDF: 2627672.5/46

All: 5134.604 $\pm$ 0.499 χ^2 /NDF: 6596546.3/95

- sign 5015.708 $\pm$ 0.690 χ^2 /NDF: 3906818.4/48

reg_asym_atr_dd_mean vs Slug



Right In: -912.108 ± 633.644 χ^2/NDF : 15.3/21

Left Out: 612.314 ± 438.264 χ^2/NDF : 32.7/24

Right Out: -938.425 ± 585.518 χ^2/NDF : 19.3/25

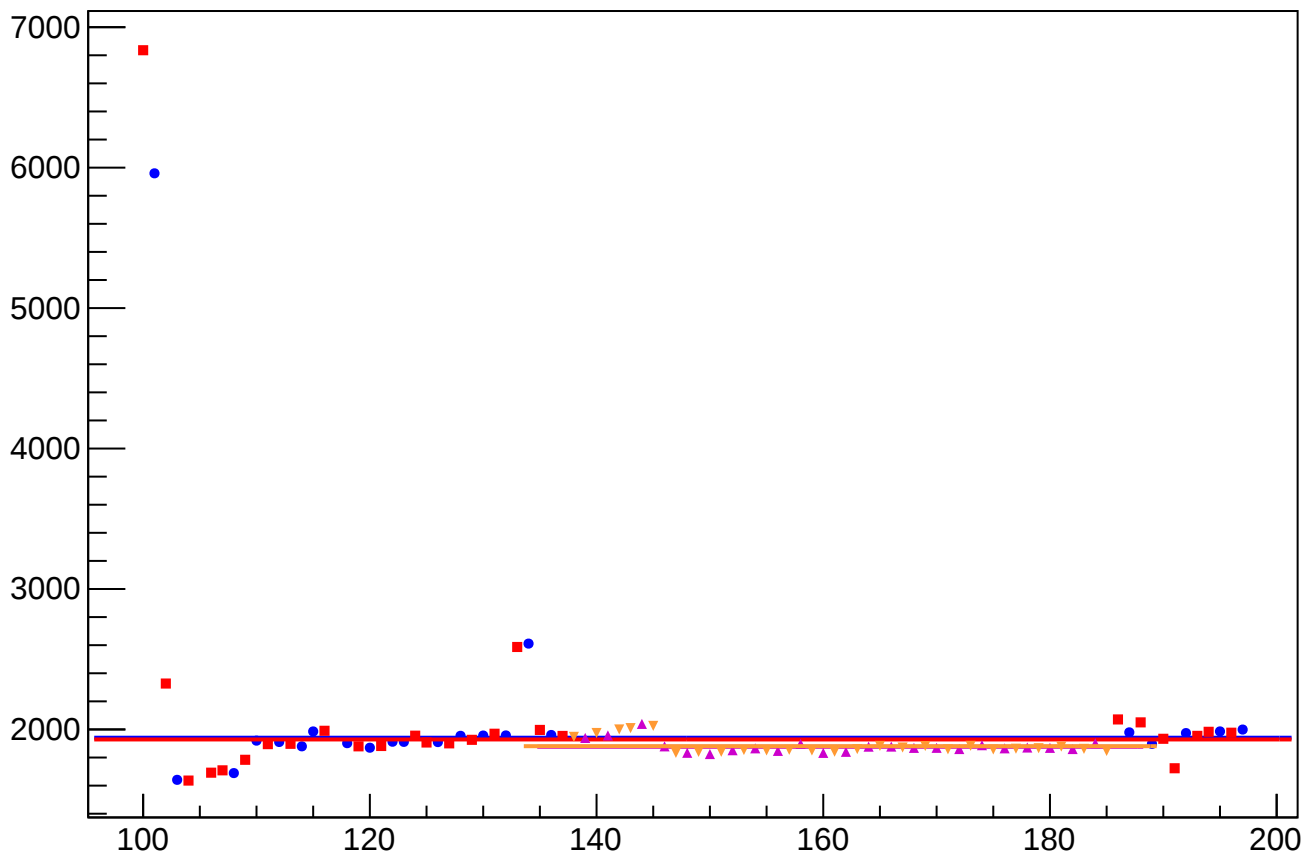
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign 119.029 ± 360.447 χ^2/NDF : 51.9/46

All: -23.869 ± 253.499 χ^2/NDF : 97.9/95

- sign -163.722 ± 356.586 χ^2/NDF : 45.7/48

reg_asym_atr_dd_rms vs Slug



Right In: 1941.080+/-0.448 χ^2/NDF : 619822.3/21

Left Out: 1880.808+/-0.310 χ^2/NDF : 28655.5/24

Right Out: 1928.719+/-0.413 χ^2/NDF : 231044.2/25

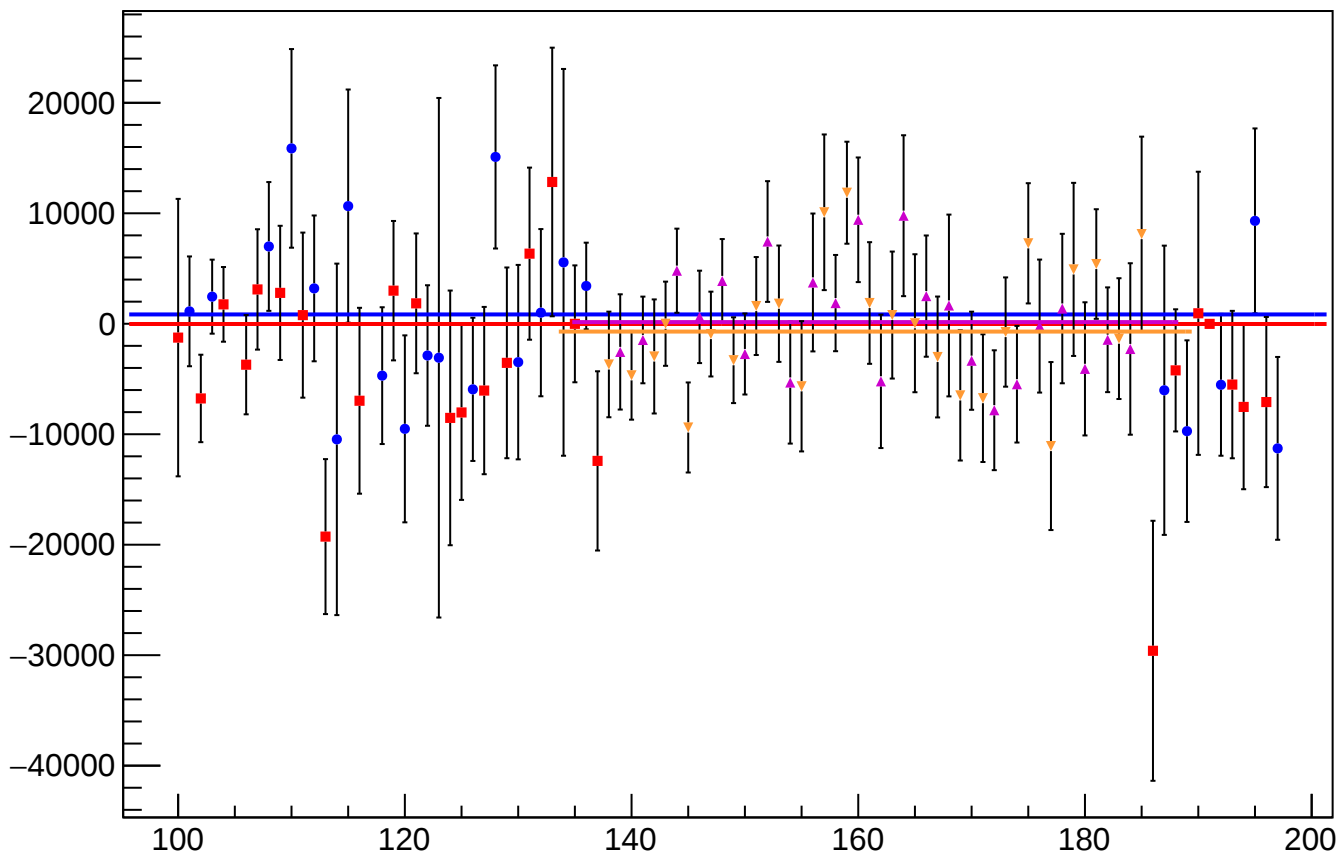
Left In: 1876.685+/-0.318 χ^2/NDF : 20499.7/22

+ sign 1900.311+/-0.255 χ^2/NDF : 660717.7/46

All: 1898.141+/-0.179 χ^2/NDF : 922360.4/95

- sign 1896.020+/-0.252 χ^2/NDF : 261499.3/48

asym_atr_dd_correction_mean vs Slug



Right In: 844.000 ± 1436.331 $\chi^2/\text{NDF}: 19.2/21$

Left Out: -707.785 ± 1017.719 $\chi^2/\text{NDF}: 27.1/24$

Right Out: -21.659 ± 85.823 $\chi^2/\text{NDF}: 28.9/25$

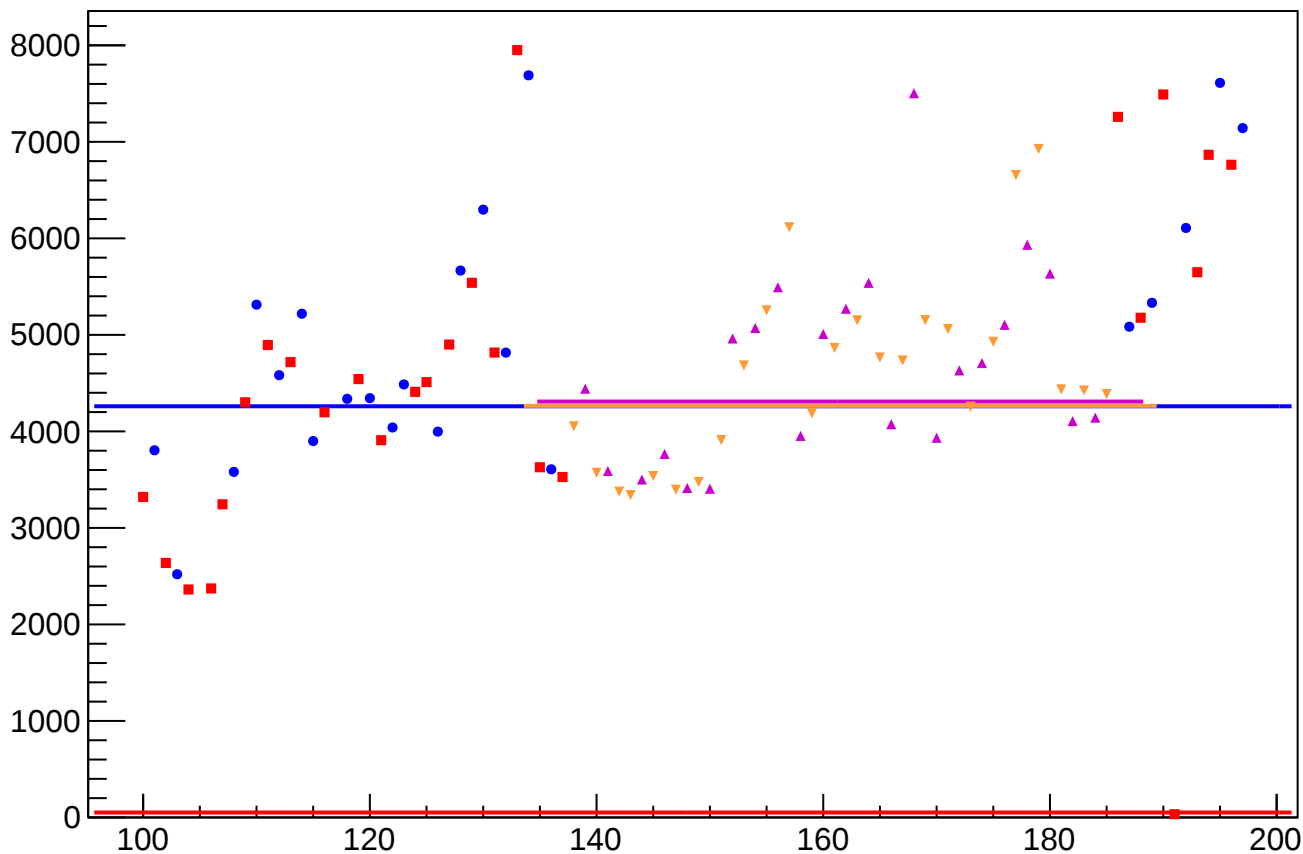
Left In: 150.495 ± 1053.655 $\chi^2/\text{NDF}: 16.9/22$

+ sign -189.112 ± 830.397 $\chi^2/\text{NDF}: 47.1/46$

All: -22.294 ± 85.089 $\chi^2/\text{NDF}: 92.9/95$

- sign -20.524 ± 85.540 $\chi^2/\text{NDF}: 45.8/48$

asym_atr_dd_correction_rms vs Slug



Right In: 4260.199+/-1.016 χ^2/NDF : 1710480.0/21

Left Out: 4264.433+/-0.720 χ^2/NDF : 1354900.8/24

Right Out: 51.305+/-0.061 χ^2/NDF : 21344541.0/25

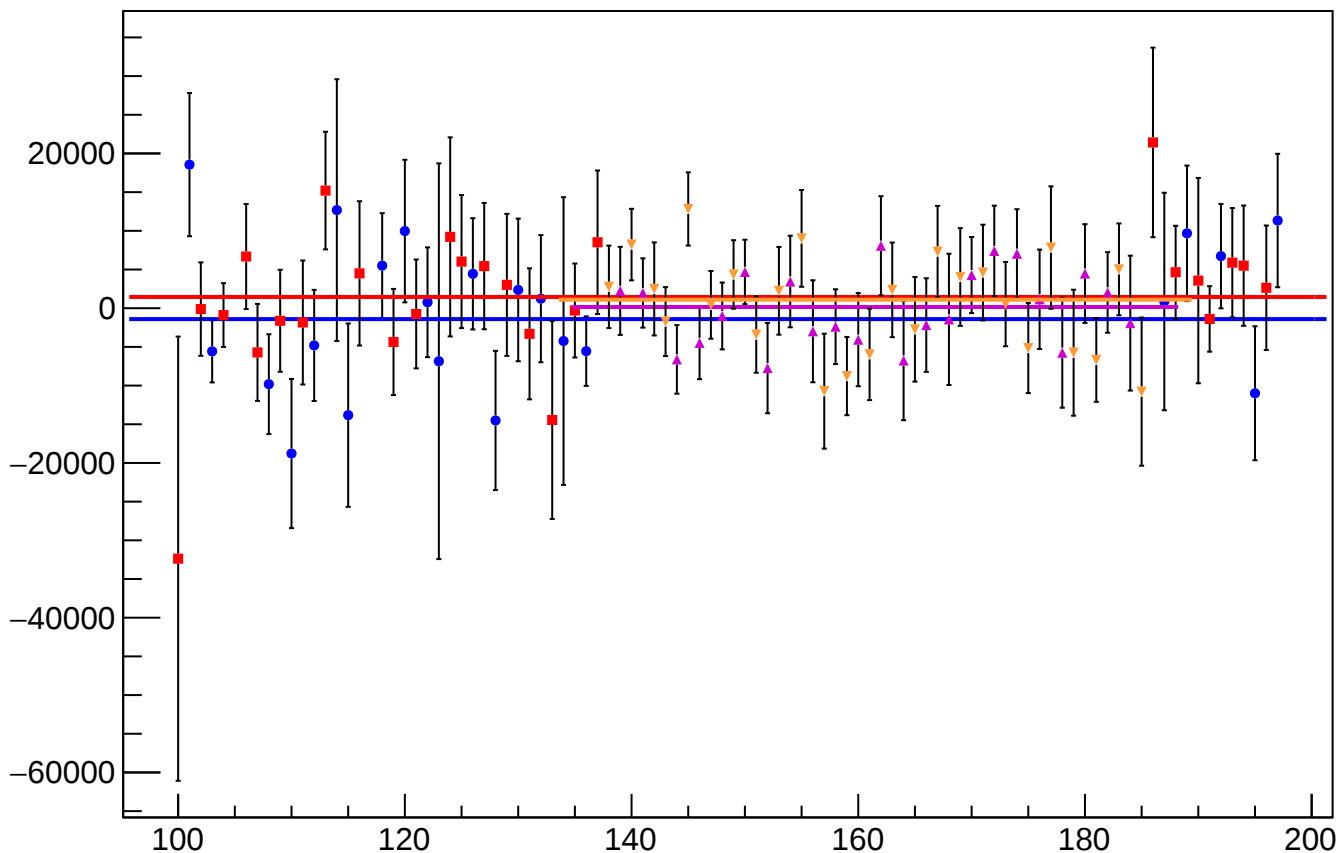
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4263.018+/-0.587 χ^2/NDF : 3065392.4/46

All: 123.294+/-0.060 χ^2/NDF : 108390353.9/9

- sign 79.367+/-0.060 χ^2/NDF : 55092394.1/48

asym_atr_dd_mean vs Slug



Right In: -1407.483 ± 1641.888 χ^2/NDF : 25.8/21

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1454.708 ± 1418.857 χ^2/NDF : 15.8/25

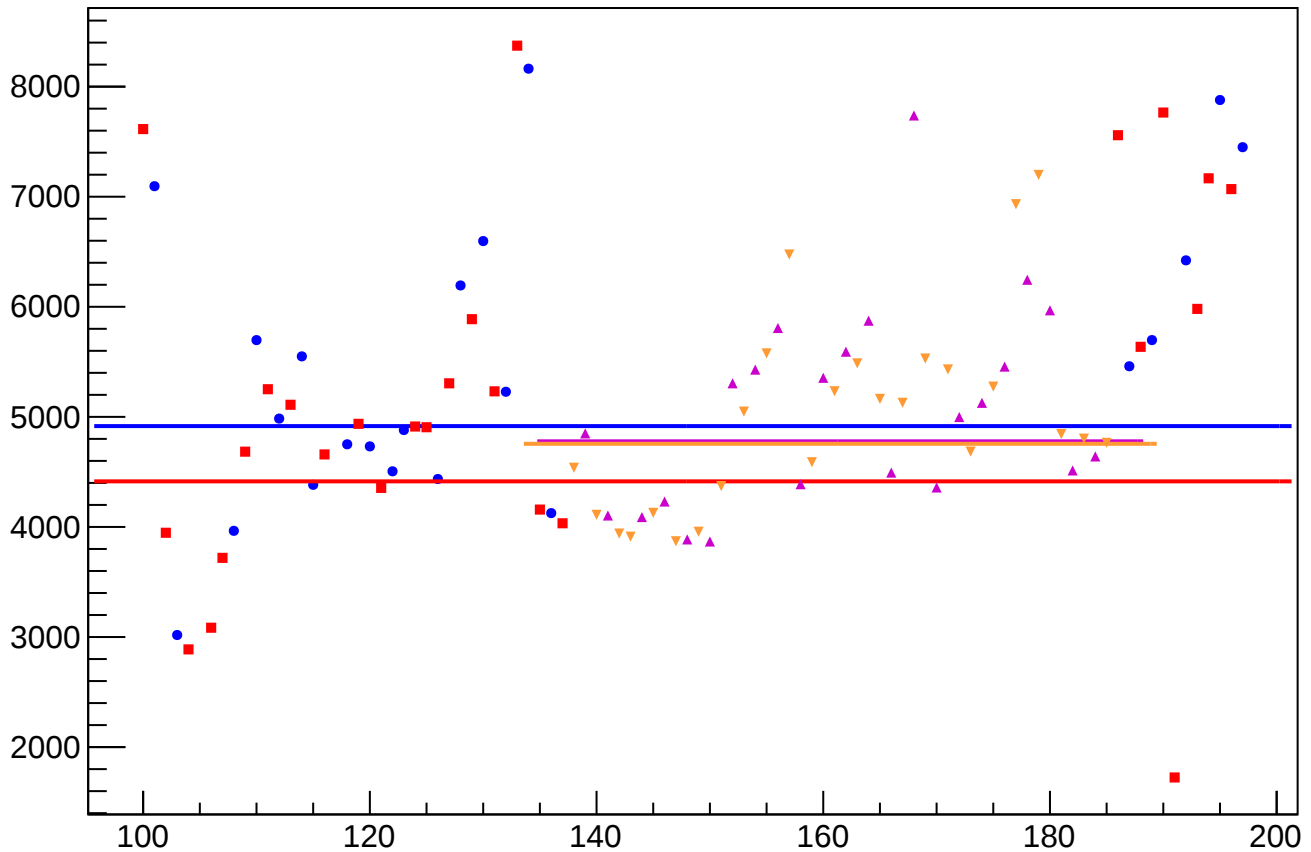
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 298.777 ± 928.981 χ^2/NDF : 56.0/46

All: 495.024 ± 645.940 χ^2/NDF : 87.9/95

- sign 678.711 ± 898.763 χ^2/NDF : 31.8/48

asym_atr_dd_rms vs Slug



Right In: 4916.112 ± 1.161 $\chi^2/\text{NDF}: 1396145.8/21$

Left Out: 4755.383 ± 0.797 $\chi^2/\text{NDF}: 953328.0/24$

+ sign 4806.837 ± 0.657 $\chi^2/\text{NDF}: 2362504.0/46$

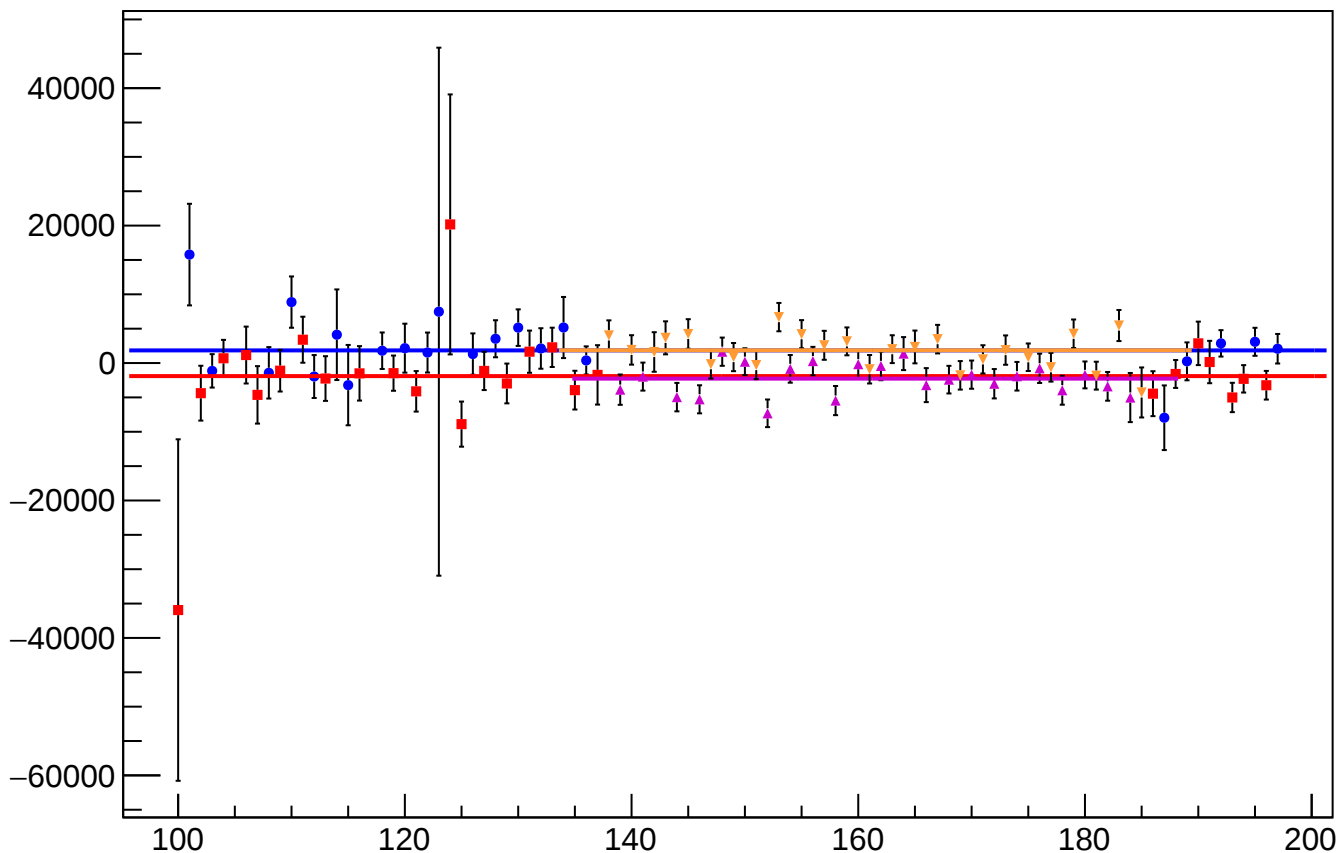
Right Out: 4414.144 ± 0.999 $\chi^2/\text{NDF}: 2500020.8/25$

All: 4715.985 ± 0.456 $\chi^2/\text{NDF}: 5928841.5/95$

- sign 4631.215 ± 0.635 $\chi^2/\text{NDF}: 3529360.6/48$

Left In: 4777.831 ± 0.821 $\chi^2/\text{NDF}: 950291.2/22$

reg_asym_at1_avg_mean vs Slug



Right In: 1838.684 ± 629.462 $\chi^2/\text{NDF}: 20.2/21$

Left Out: 1856.570 ± 430.977 $\chi^2/\text{NDF}: 30.0/24$

Right Out: -1901.046 ± 583.535 $\chi^2/\text{NDF}: 23.4/25$

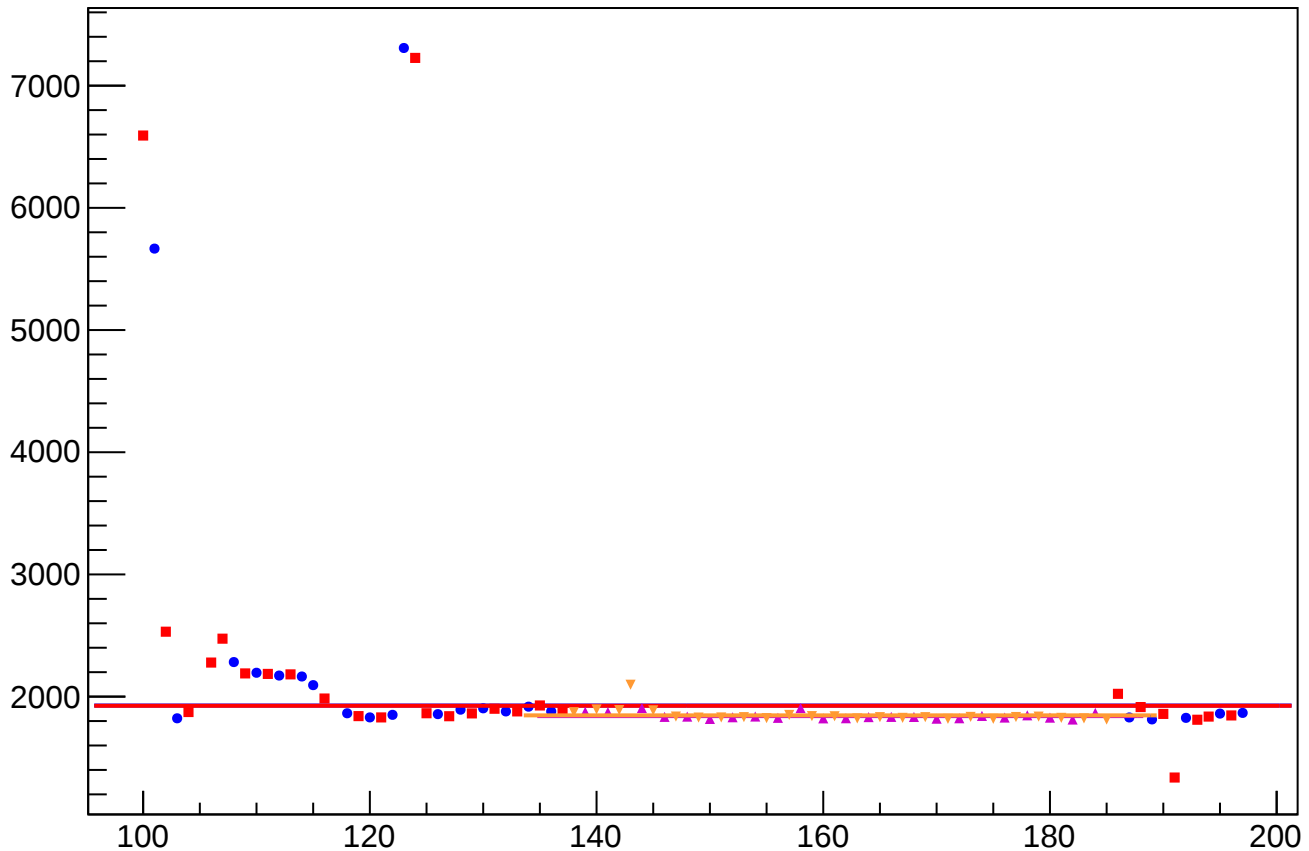
Left In: -2268.464 ± 441.710 $\chi^2/\text{NDF}: 26.9/22$

+ sign 1850.861 ± 355.611 $\chi^2/\text{NDF}: 50.1/46$

All: -161.153 ± 250.236 $\chi^2/\text{NDF}: 164.1/95$

- sign -2134.627 ± 352.189 $\chi^2/\text{NDF}: 50.5/48$

reg_asym_at1_avg_rms vs Slug



Right In: 1927.101+/-0.445 χ^2/NDF : 620395.2/21

Left Out: 1846.602+/-0.305 χ^2/NDF : 27302.8/24

Right Out: 1925.025+/-0.413 χ^2/NDF : 460506.2/25

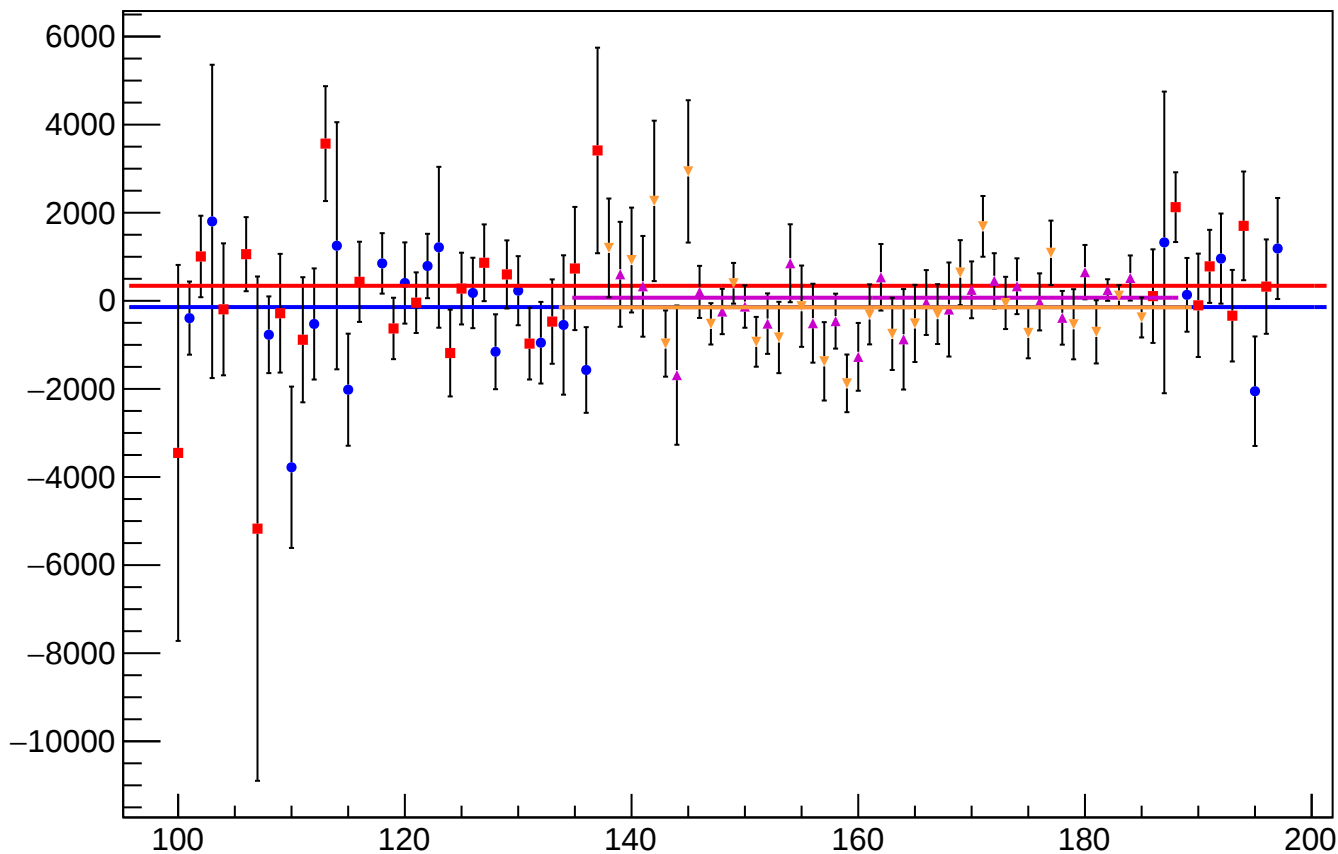
Left In: 1840.541+/-0.312 χ^2/NDF : 6740.2/22

+ sign 1872.294+/-0.251 χ^2/NDF : 669968.0/46

All: 1871.800+/-0.177 χ^2/NDF : 1163872.9/95

- sign 1871.316+/-0.249 χ^2/NDF : 493897.3/48

asym_at1_avg_correction_mean vs Slug



Right In: -142.236 ± 217.893 χ^2/NDF : 21.9/21

Left Out: -146.999 ± 121.984 χ^2/NDF : 37.7/24

Right Out: 341.006 ± 195.900 χ^2/NDF : 27.6/25

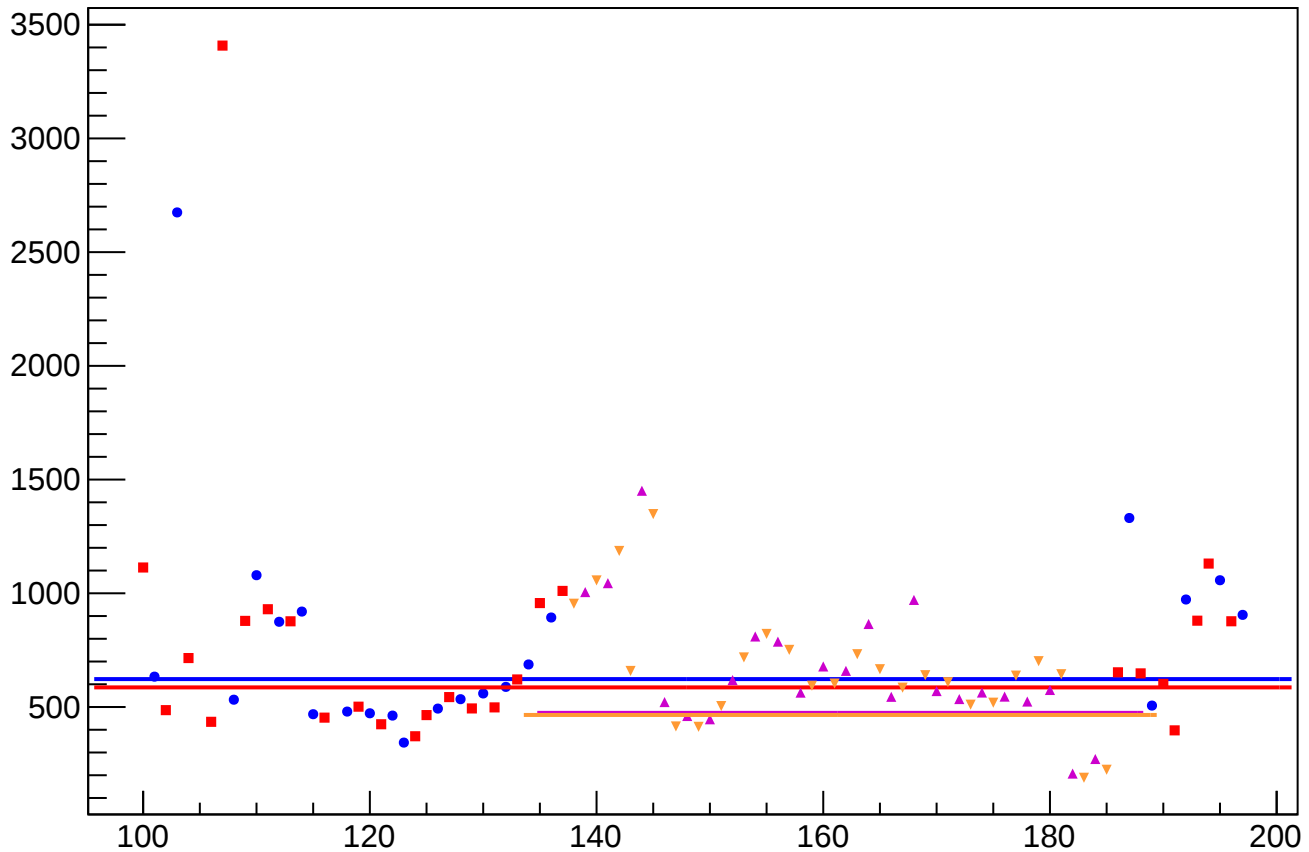
Left In: 70.340 ± 126.373 χ^2/NDF : 12.3/22

+ sign -145.862 ± 106.439 χ^2/NDF : 59.6/46

All: 2.348 ± 75.177 χ^2/NDF : 104.7/95

- sign 149.877 ± 106.194 χ^2/NDF : 41.3/48

asym_at1_avg_correction_rms vs Slug



Right In: 622.752 ± 0.154 χ^2/NDF : 2199148.0/21

Left Out: 465.080 ± 0.086 χ^2/NDF : 7086137.6/24

Right Out: 586.251 ± 0.139 χ^2/NDF : 2339191.9/25

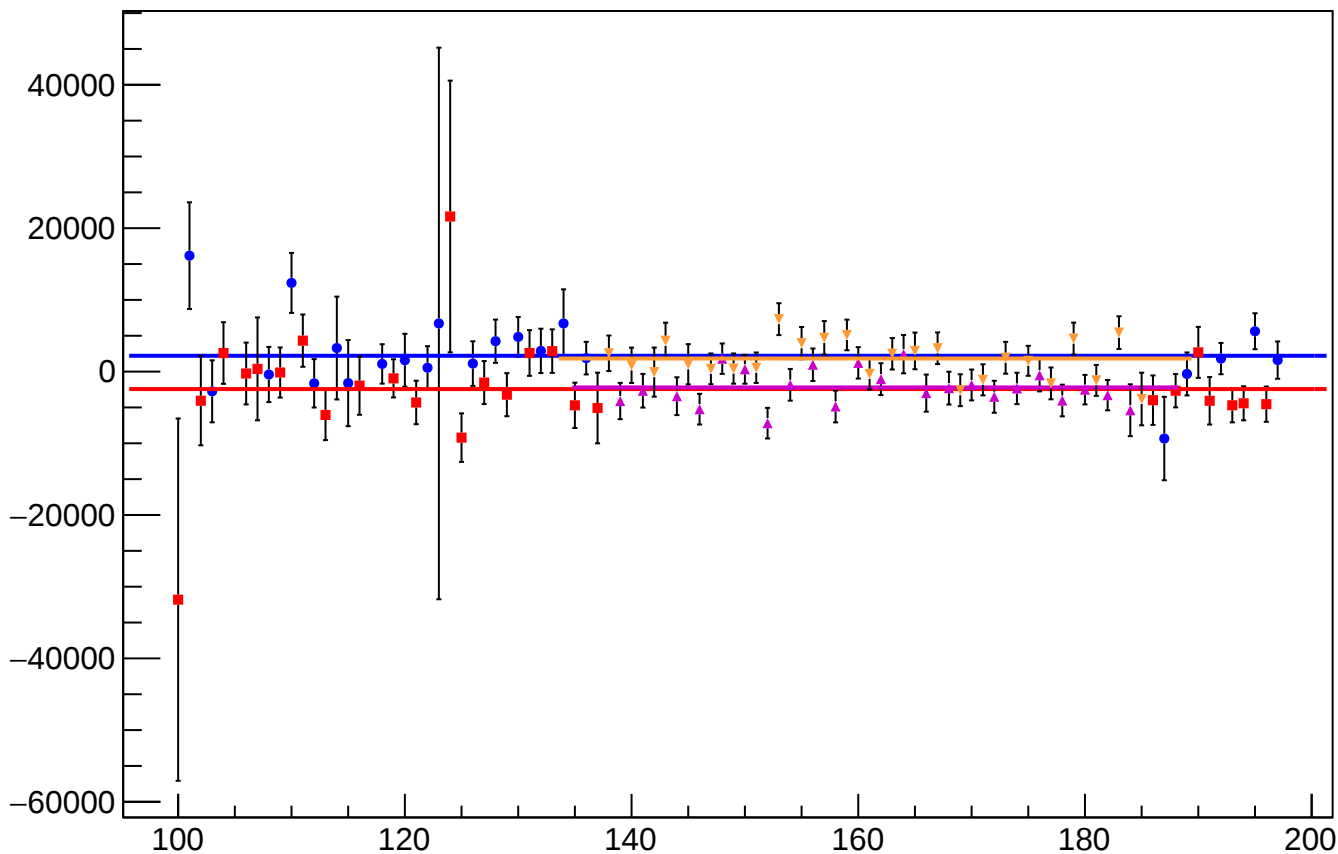
Left In: 474.263 ± 0.089 χ^2/NDF : 6173100.1/22

+ sign 502.705 ± 0.075 χ^2/NDF : 10082632.5/46

All: 504.943 ± 0.053 χ^2/NDF : 19058217.8/95

- sign 507.171 ± 0.075 χ^2/NDF : 8973820.7/48

asym_at1_avg_mean vs Slug



Right In: 2207.104 ± 708.490 χ^2/NDF : 22.5/21

Left Out: 1824.066 ± 462.694 χ^2/NDF : 32.1/24

Right Out: -2436.283 ± 655.953 χ^2/NDF : 25.8/25

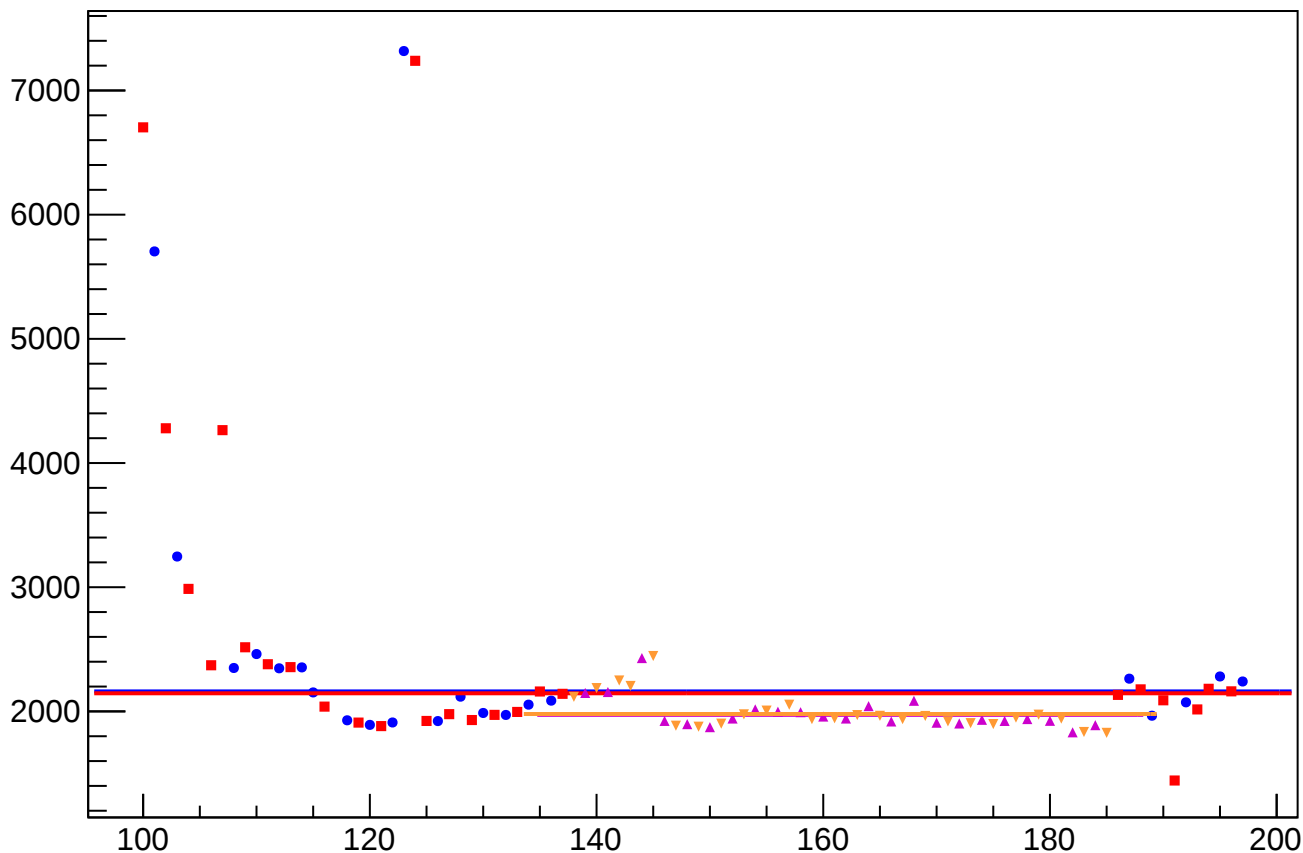
Left In: -2208.114 ± 474.050 χ^2/NDF : 25.3/22

+ sign 1938.588 ± 387.398 χ^2/NDF : 54.8/46

All: -191.320 ± 272.800 χ^2/NDF : 166.0/95

- sign -2286.396 ± 384.217 χ^2/NDF : 51.2/48

asym_at1_avg_rms vs Slug



Right In: 2160.867 ± 0.501 χ^2/NDF : 726764.0/21

Left Out: 1978.997 ± 0.327 χ^2/NDF : 139299.8/24

Right Out: 2145.793 ± 0.464 χ^2/NDF : 905229.6/25

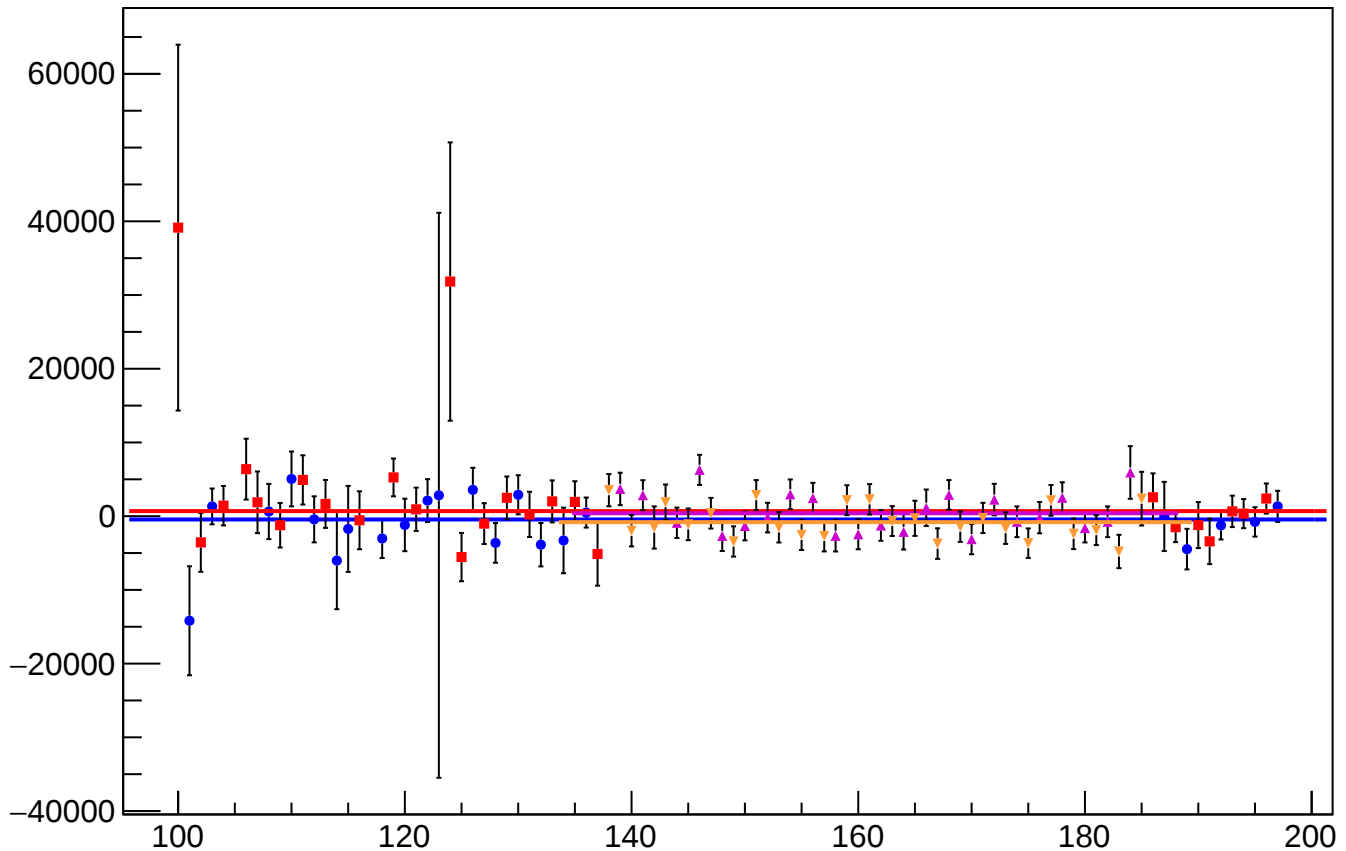
Left In: 1972.166 ± 0.335 χ^2/NDF : 116452.5/22

+ sign 2033.373 ± 0.274 χ^2/NDF : 958451.1/46

All: 2032.548 ± 0.193 χ^2/NDF : 2072201.6/95

- sign 2031.736 ± 0.272 χ^2/NDF : 1113732.4/48

reg_asym_at1_dd_mean vs Slug



Right In: -448.168+/-625.889 χ^2/NDF : 18.6/21

Left Out: -808.436+/-430.304 χ^2/NDF : 27.9/24

Right Out: 686.819+/-580.778 χ^2/NDF : 24.7/25

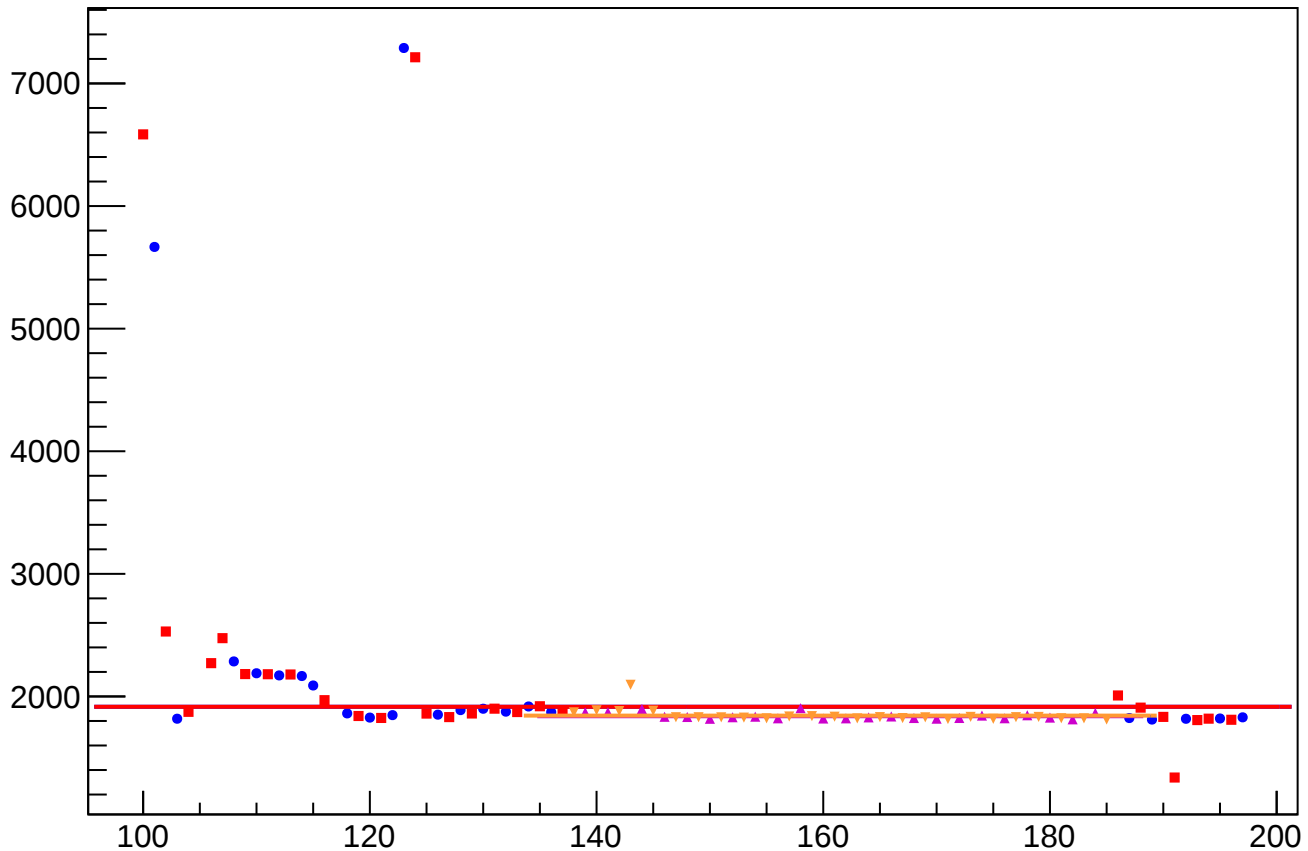
Left In: 398.797+/-441.246 χ^2/NDF : 34.4/22

+ sign -692.804+/-354.587 χ^2/NDF : 46.8/46

All: -88.804+/-249.577 χ^2/NDF : 111.8/95

- sign 504.205+/-351.346 χ^2/NDF : 59.3/48

reg_asym_at1_dd_rms vs Slug



Right In: 1915.766 $\pm$ 0.443 χ^2 /NDF: 628340.2/21

Left Out: 1843.747 $\pm$ 0.304 χ^2 /NDF: 26867.4/24

Right Out: 1915.793 $\pm$ 0.411 χ^2 /NDF: 464471.5/25

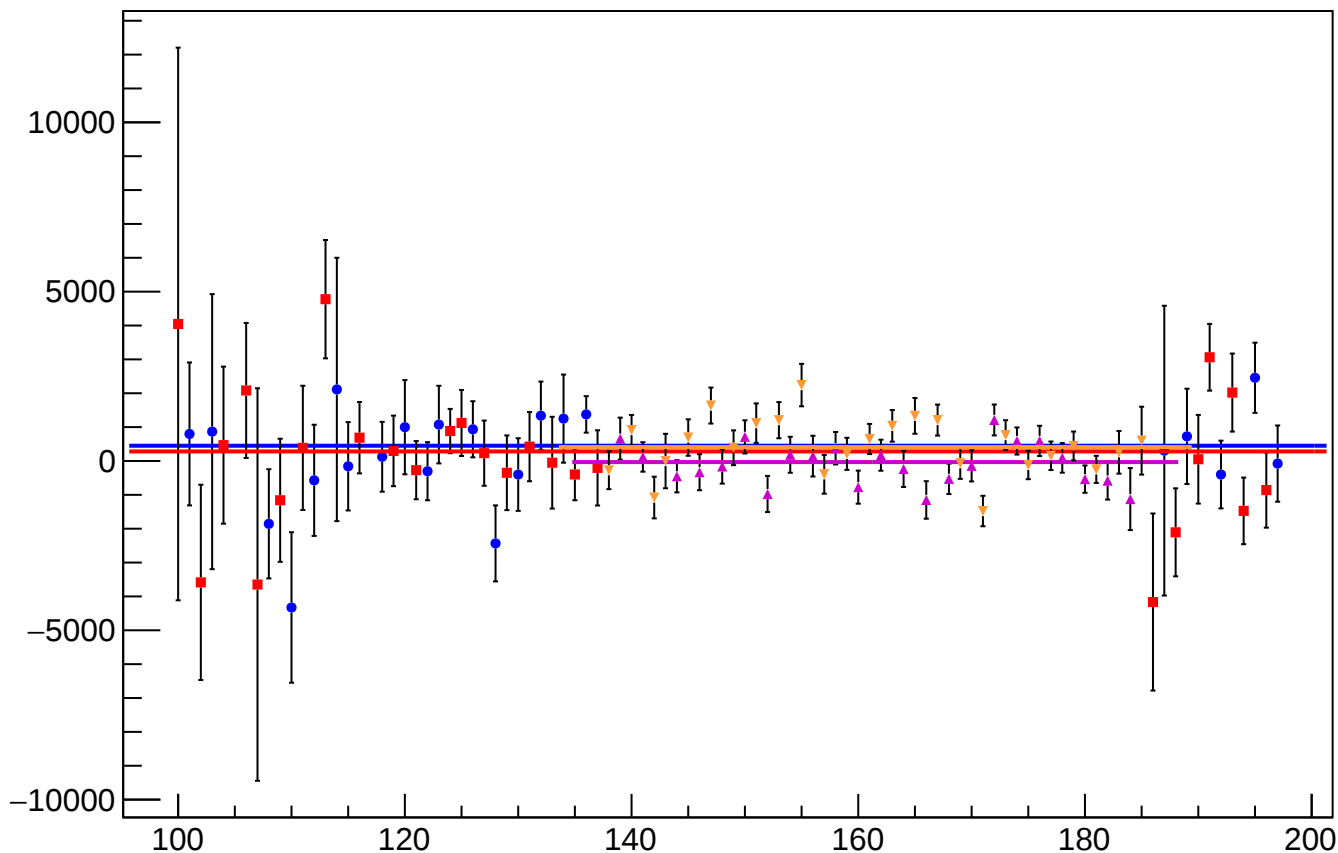
Left In: 1838.611 $\pm$ 0.312 χ^2 /NDF: 6335.1/22

+ sign 1866.862 $\pm$ 0.251 χ^2 /NDF: 673189.1/46

All: 1866.860 $\pm$ 0.176 χ^2 /NDF: 1166390.8/95

- sign 1866.858 $\pm$ 0.248 χ^2 /NDF: 493201.8/48

asym_at1_dd_correction_mean vs Slug



Right In: 450.408 $\pm$ 243.227 χ^2 /NDF: 25.2/21

Left Out: 411.072 $\pm$ 100.456 χ^2 /NDF: 61.2/24

Right Out: 281.594 $\pm$ 229.475 χ^2 /NDF: 34.9/25

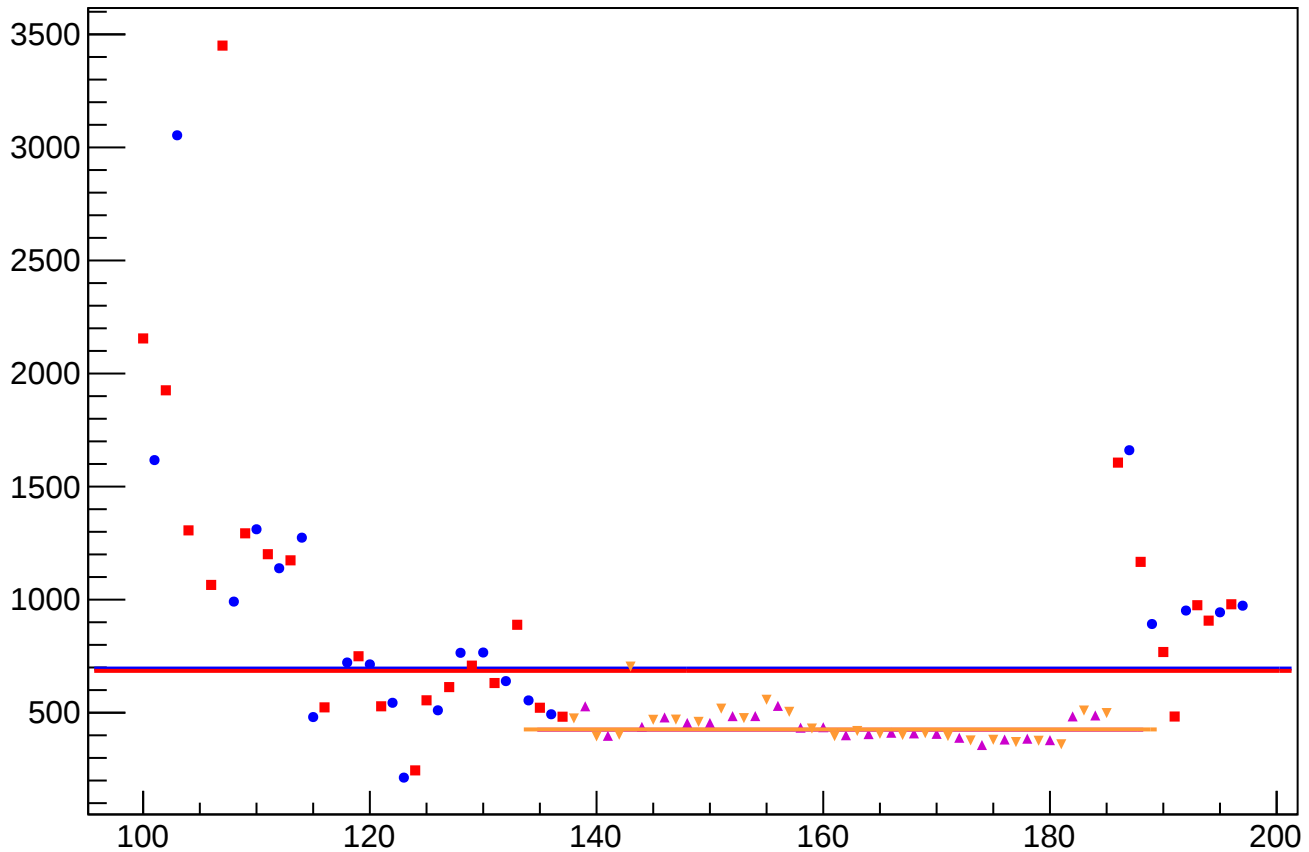
Left In: -32.456 $\pm$ 102.403 χ^2 /NDF: 32.7/22

+ sign 416.804 $\pm$ 92.849 χ^2 /NDF: 86.4/46

All: 219.670 $\pm$ 65.888 χ^2 /NDF: 164.7/95

- sign 19.698 $\pm$ 93.515 χ^2 /NDF: 69.2/48

asym_at1_dd_correction_rms vs Slug



Right In: 695.208 $\pm$ 0.172 χ^2 /NDF: 2877000.0/21

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 685.068 $\pm$ 0.162 χ^2 /NDF: 3915752.2/25

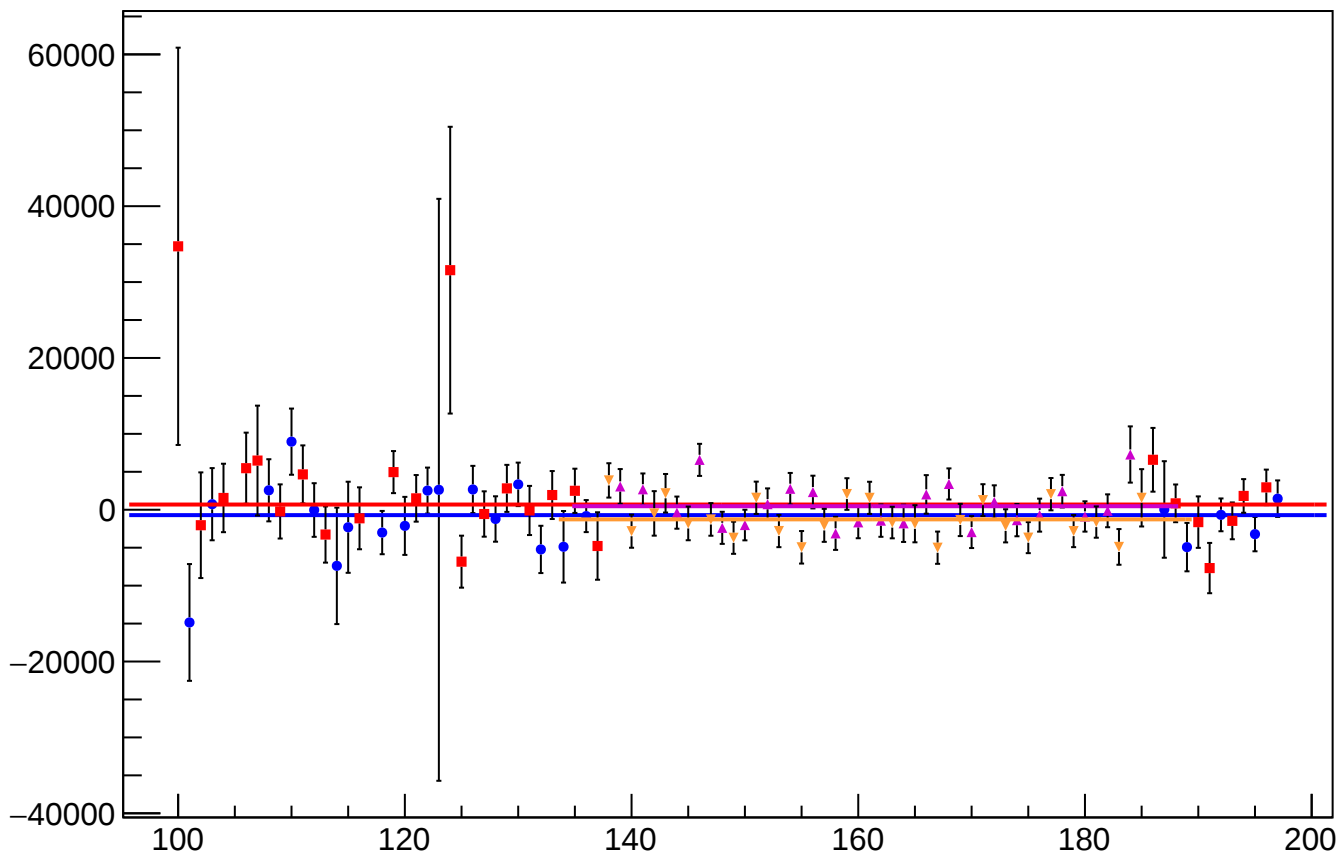
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 465.253 $\pm$ 0.066 χ^2 /NDF: 5702711.7/46

All: 466.561 $\pm$ 0.047 χ^2 /NDF: 12159047.9/95

- sign 467.888 $\pm$ 0.066 χ^2 /NDF: 6455536.9/48

asym_at1_dd_mean vs Slug



Right In: -709.454 ± 704.703 χ^2/NDF : 21.7/21

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 685.916 ± 663.233 χ^2/NDF : 29.6/25

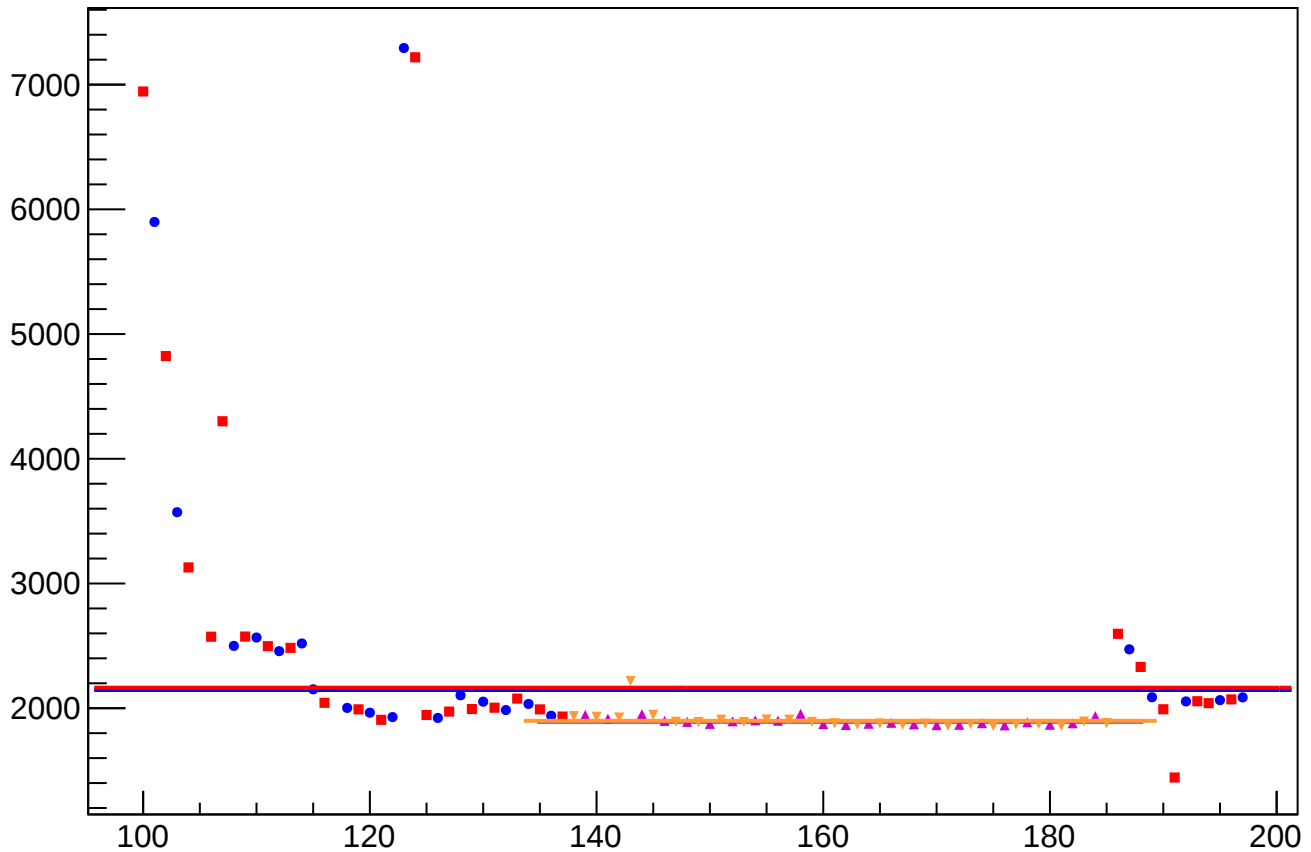
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1109.599 ± 375.182 χ^2/NDF : 53.0/46

All: -286.613 ± 265.089 χ^2/NDF : 124.8/95

- sign 533.841 ± 374.605 χ^2/NDF : 62.2/48

asym_at1_dd_rms vs Slug



Right In: 2146.276 $\pm$ 0.498 χ^2 /NDF: 817057.6/21

Left Out: 1898.962 $\pm$ 0.313 χ^2 /NDF: 38680.4/24

Right Out: 2164.462 $\pm$ 0.469 χ^2 /NDF: 1047491.0/25

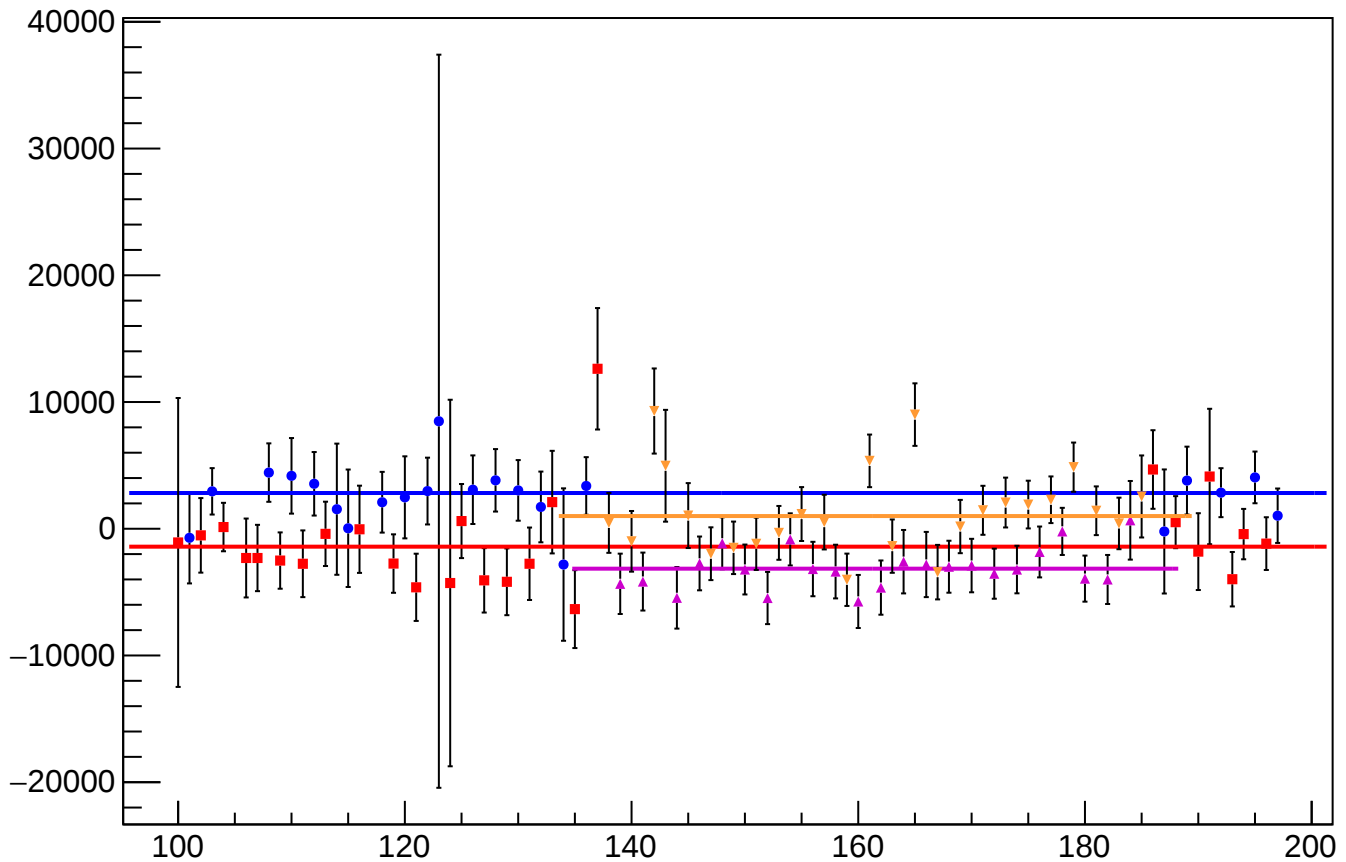
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1969.062 $\pm$ 0.265 χ^2 /NDF: 1032246.4/46

All: 1973.894 $\pm$ 0.187 χ^2 /NDF: 2318189.9/95

- sign 1978.711 $\pm$ 0.265 χ^2 /NDF: 1285281.2/48

reg_asym_at2_avg_mean vs Slug



Right In: 2820.229+/-571.133 χ^2/NDF : 5.2/21

Left Out: 1001.263+/-435.247 χ^2/NDF : 44.6/24

Right Out: -1414.044+/-534.323 χ^2/NDF : 25.9/25

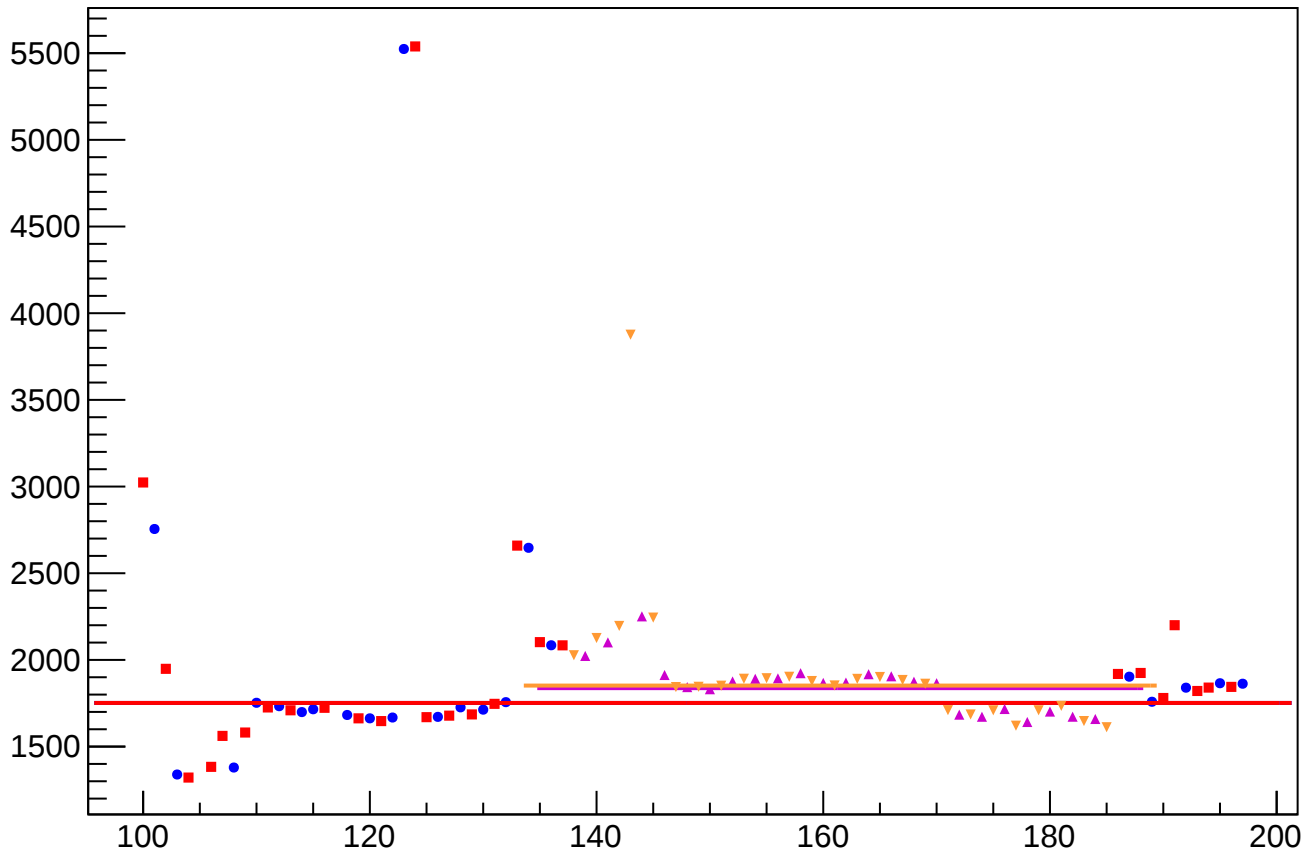
Left In: -3150.437+/-441.145 χ^2/NDF : 11.8/22

+ sign 1669.538+/-346.181 χ^2/NDF : 56.2/46

All: -424.488+/-242.639 χ^2/NDF : 172.2/95

- sign -2446.603+/-340.185 χ^2/NDF : 44.1/48

reg_asym_at2_avg_rms vs Slug



Right In: 1751.686 $\pm$ 0.404 χ^2 /NDF: 456247.3/21

Left Out: 1851.959 $\pm$ 0.308 χ^2 /NDF: 648954.2/24

Right Out: 1751.788 $\pm$ 0.378 χ^2 /NDF: 514880.4/25

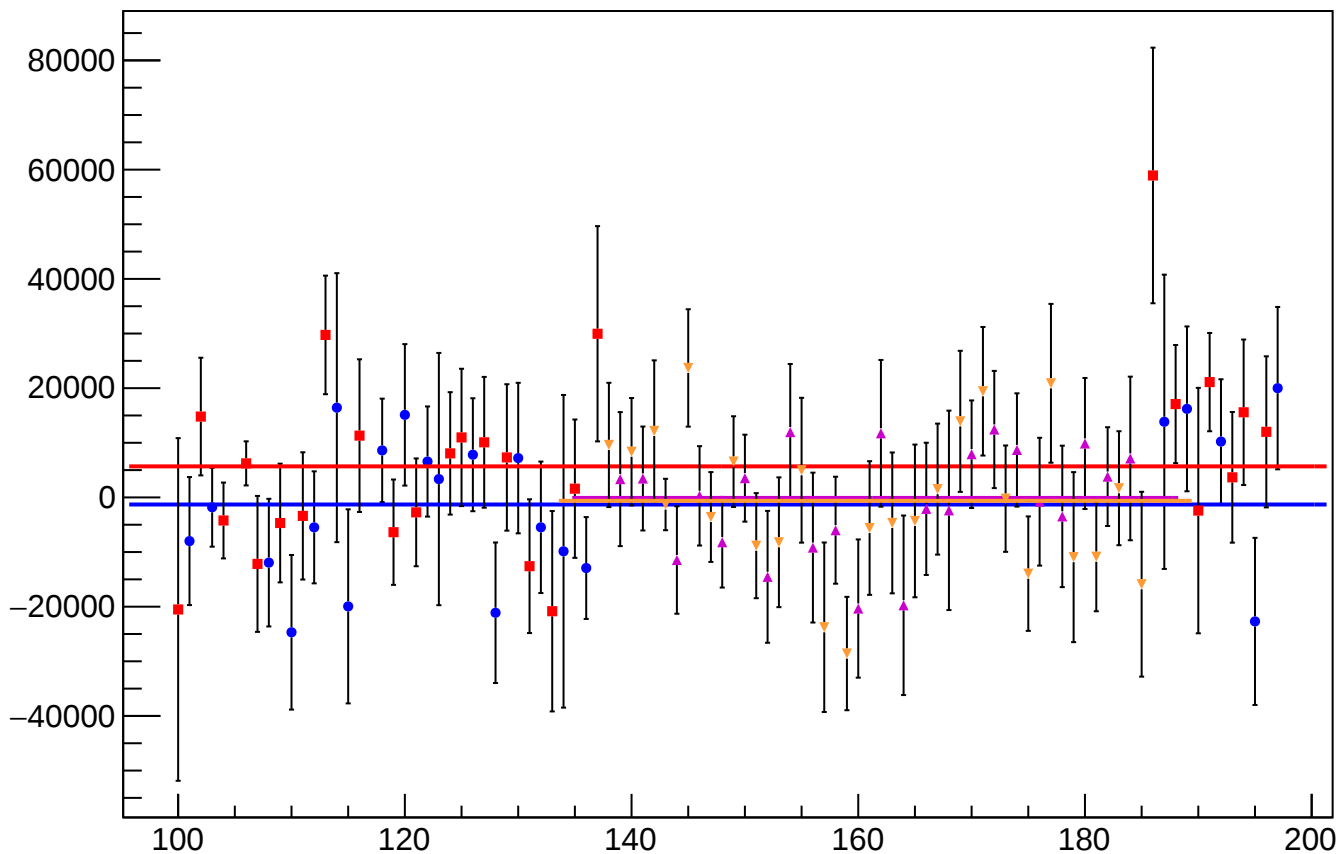
Left In: 1837.151 $\pm$ 0.312 χ^2 /NDF: 200514.0/22

+ sign 1815.119 $\pm$ 0.245 χ^2 /NDF: 1144200.9/46

All: 1808.724 $\pm$ 0.172 χ^2 /NDF: 1891291.7/95

- sign 1802.549 $\pm$ 0.241 χ^2 /NDF: 745749.3/48

asym_at2_avg_correction_mean vs Slug



Right In: -1296.893 ± 2630.410 χ^2/NDF : 21.0/21

Left Out: -619.372 ± 2069.686 χ^2/NDF : 30.1/24

Right Out: 5683.307 ± 2055.554 χ^2/NDF : 30.9/25

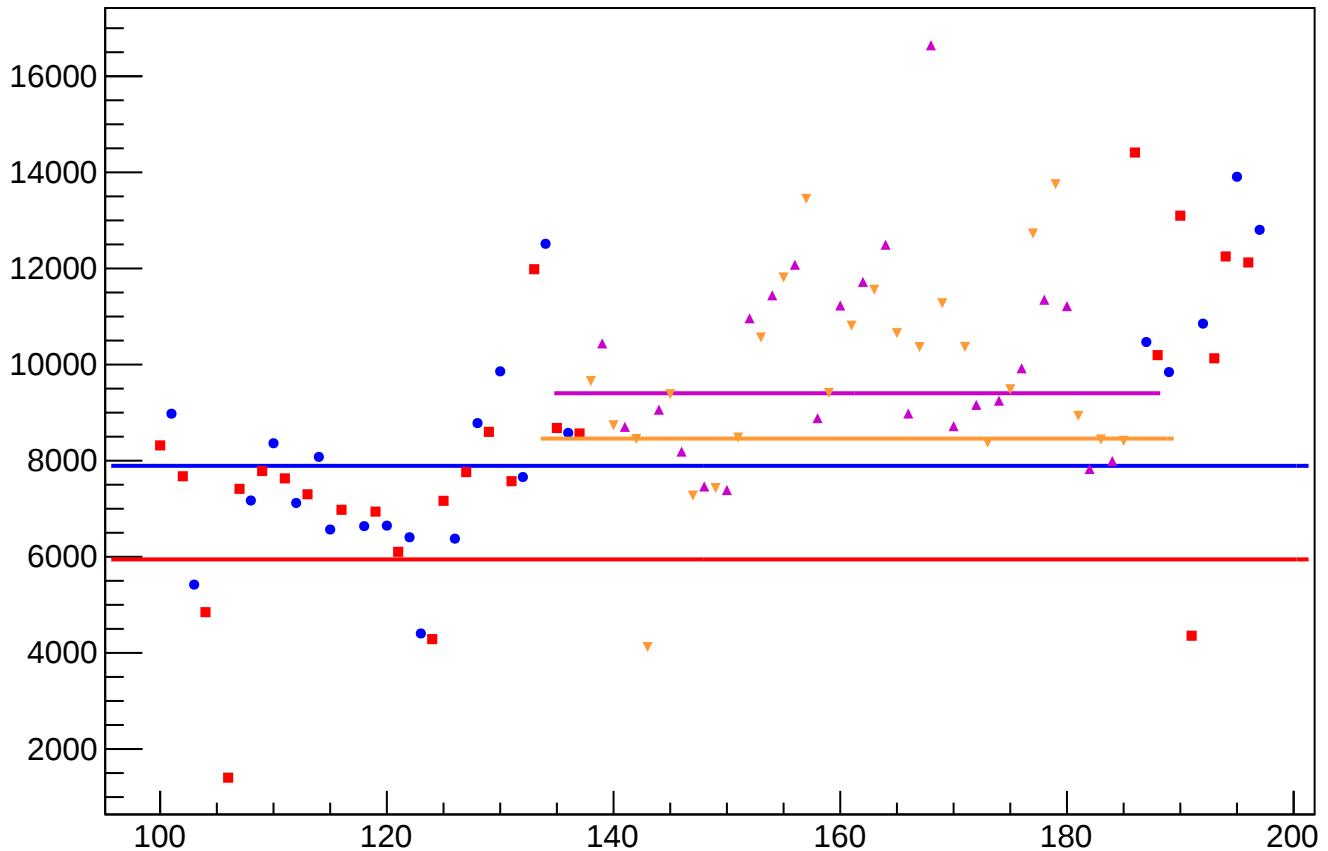
Left In: -93.334 ± 2293.826 χ^2/NDF : 14.6/22

+ sign -878.438 ± 1626.550 χ^2/NDF : 51.2/46

All: 1236.854 ± 1114.763 χ^2/NDF : 103.4/95

- sign 3110.502 ± 1530.827 χ^2/NDF : 49.0/48

asym_at2_avg_correction_rms vs Slug



Right In: 7892.937+/-1.860 χ^2/NDF : 1298056.9/21

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

Right Out: 5946.076+/-1.453 χ^2/NDF : 5336408.6/25

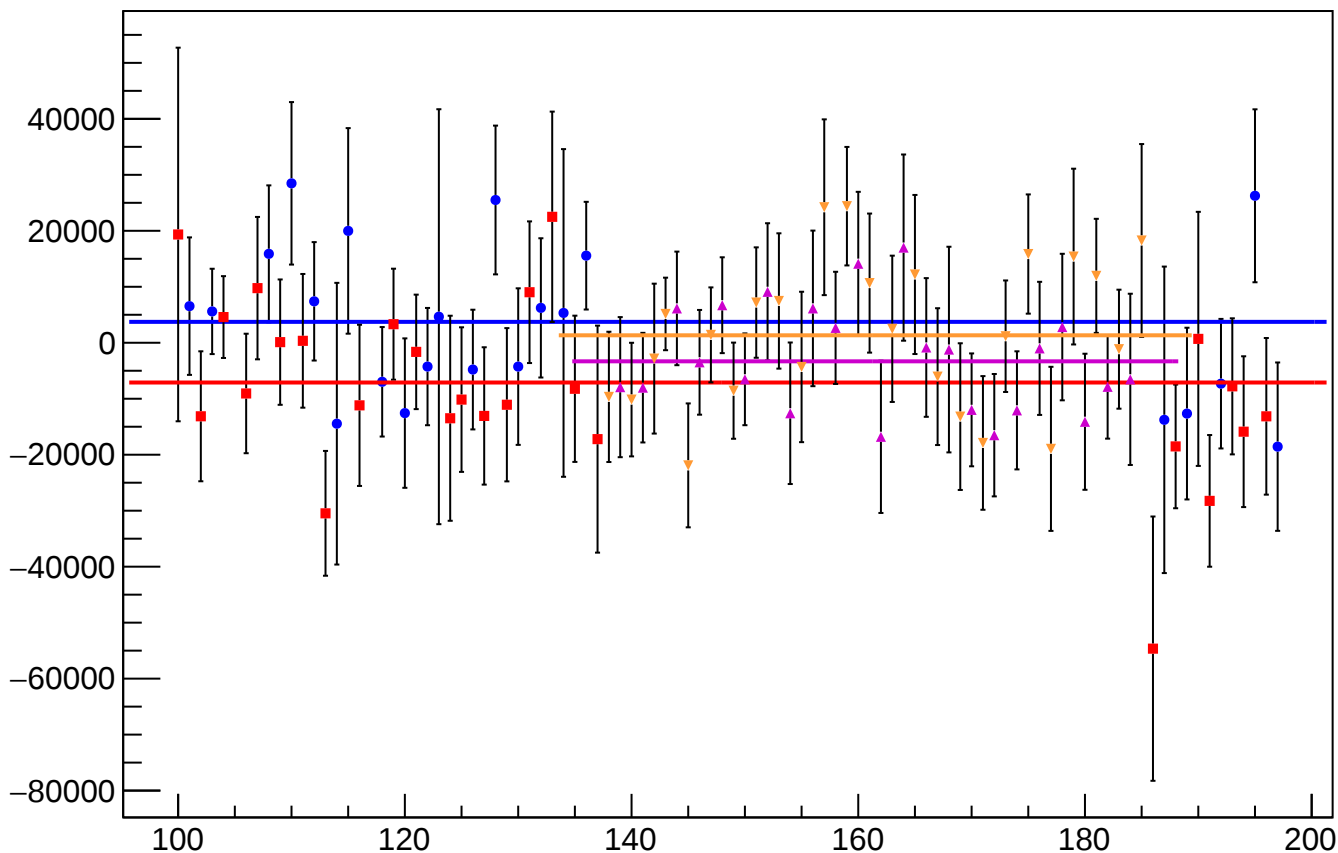
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 8243.145+/-1.150 χ^2/NDF : 4442657.2/46

All: 7841.606+/-0.788 χ^2/NDF : 13671582.5/9

- sign 7485.938+/-1.082 χ^2/NDF : 8999079.0/48

asym_at2_avg_mean vs Slug



Right In: 3734.248+/-2728.683 χ^2/NDF : 20.7/21

Left Out: 1332.828+/-2213.733 χ^2/NDF : 28.0/24

Right Out: -7101.821+/-2465.811 χ^2/NDF : 25.9/25

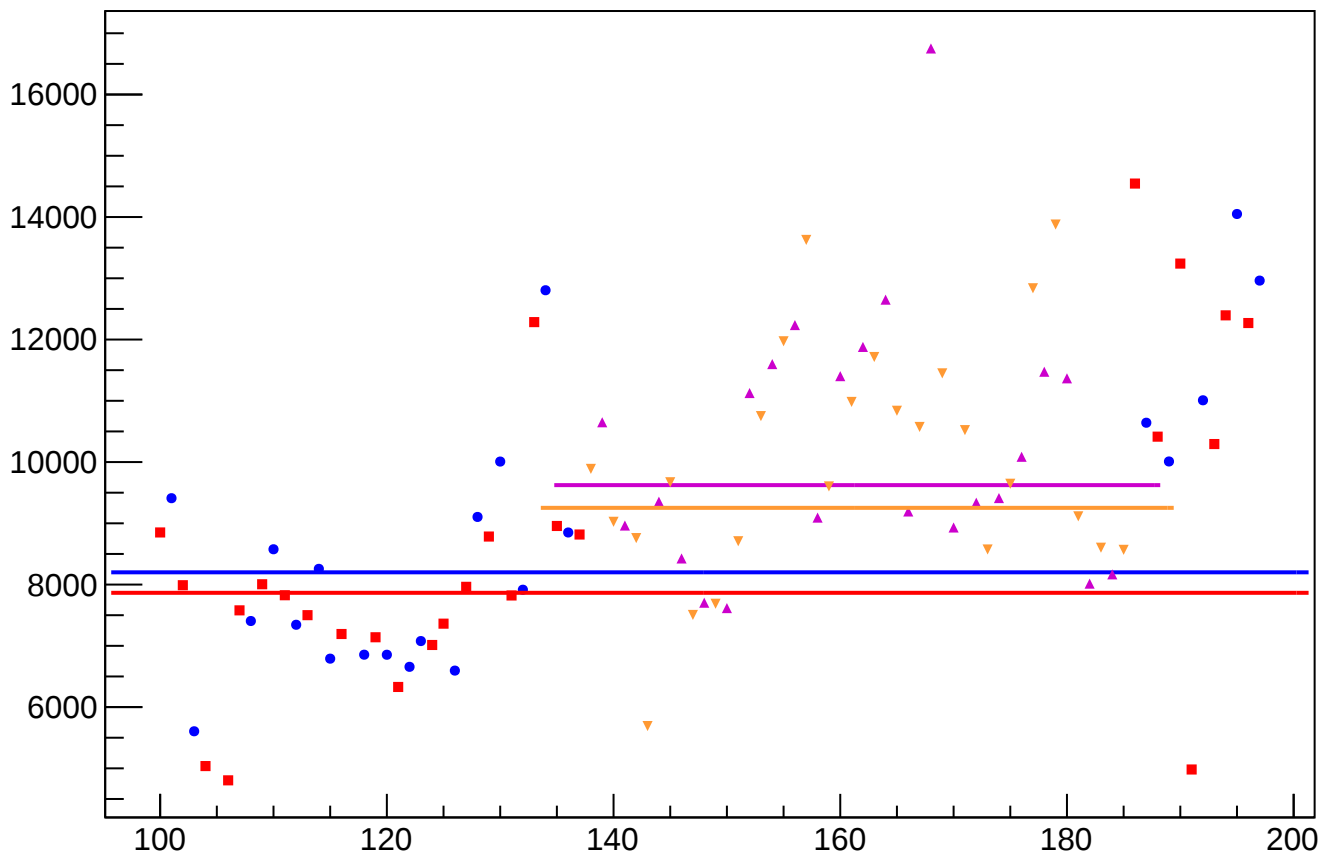
Left In: -3316.909+/-2344.543 χ^2/NDF : 13.7/22

+ sign 2286.021+/-1719.133 χ^2/NDF : 49.2/46

All: -1457.370+/-1208.464 χ^2/NDF : 99.4/95

- sign -5114.009+/-1699.096 χ^2/NDF : 40.8/48

asym_at2_avg_rms vs Slug



Right In: 8200.002 ± 1.929 $\chi^2/\text{NDF}: 1185730.4/21$

Left Out: 9252.712 ± 1.565 $\chi^2/\text{NDF}: 1597668.9/24$

Right Out: 7865.603 ± 1.743 $\chi^2/\text{NDF}: 1679062.2/25$

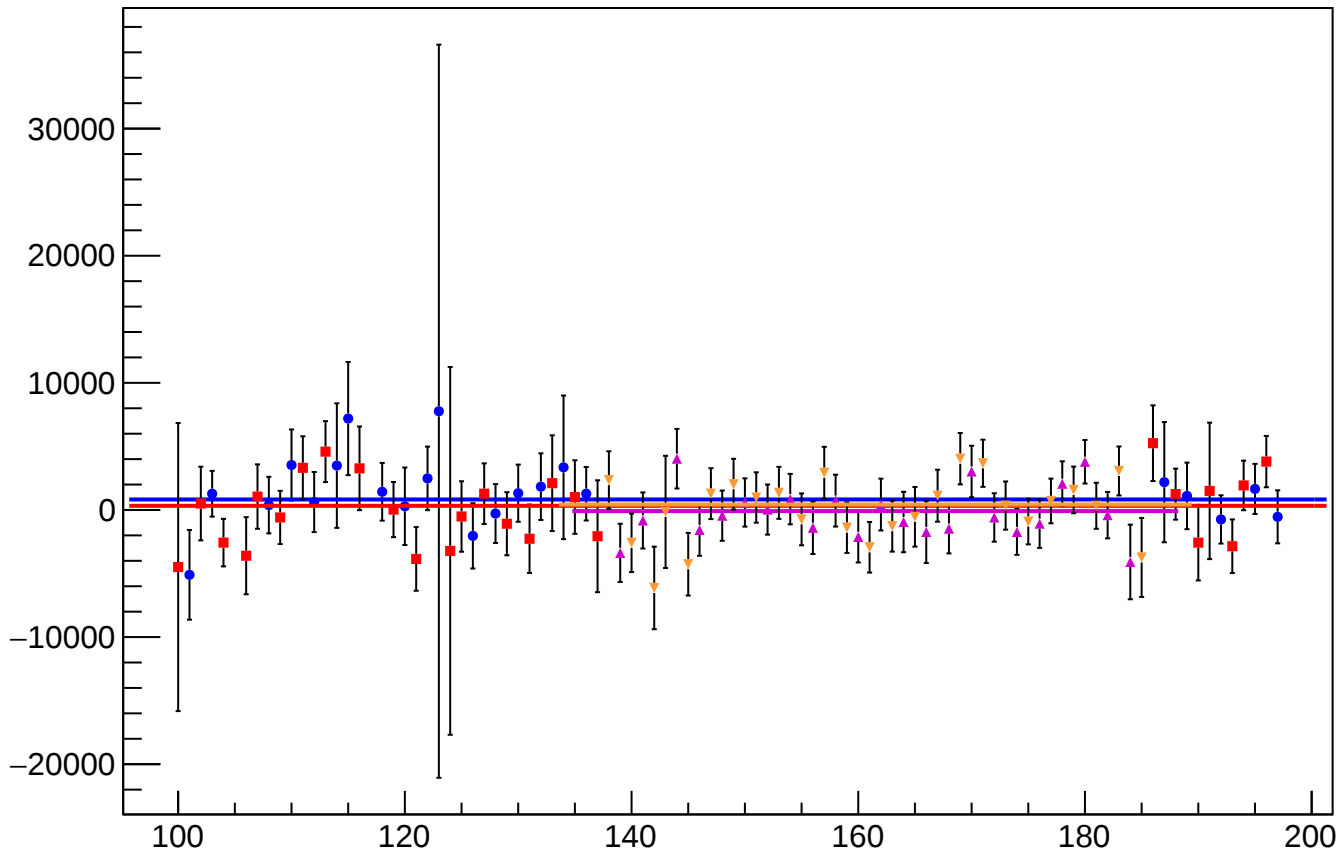
Left In: 9623.485 ± 1.658 $\chi^2/\text{NDF}: 1069924.0/22$

+ sign 8834.850 ± 1.216 $\chi^2/\text{NDF}: 2962922.7/46$

All: 8811.525 ± 0.854 $\chi^2/\text{NDF}: 6246532.0/95$

- sign 8788.743 ± 1.201 $\chi^2/\text{NDF}: 3282881.5/48$

reg_asym_at2_dd_mean vs Slug



Right In: 826.147 ± 546.585 χ^2/NDF : 10.1/21

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 327.717 ± 512.974 χ^2/NDF : 24.8/25

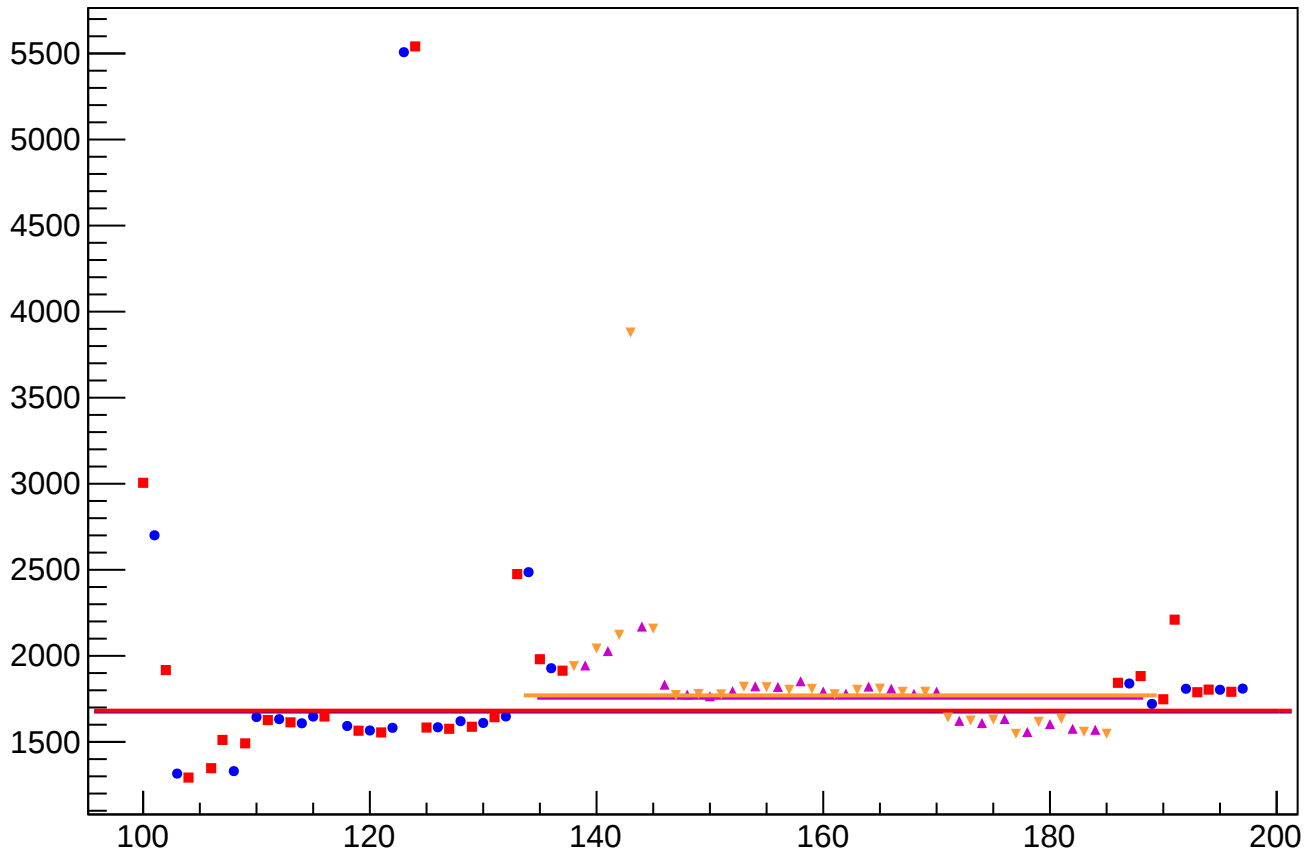
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 575.120 ± 331.220 χ^2/NDF : 39.2/46

All: 323.302 ± 232.295 χ^2/NDF : 86.4/95

- sign 79.546 ± 325.875 χ^2/NDF : 46.1/48

reg_asym_at2_dd_rms vs Slug



Right In: 1676.638 $\pm$ 0.386 χ^2 /NDF: 446503.1/21

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1681.587 $\pm$ 0.363 χ^2 /NDF: 523357.3/25

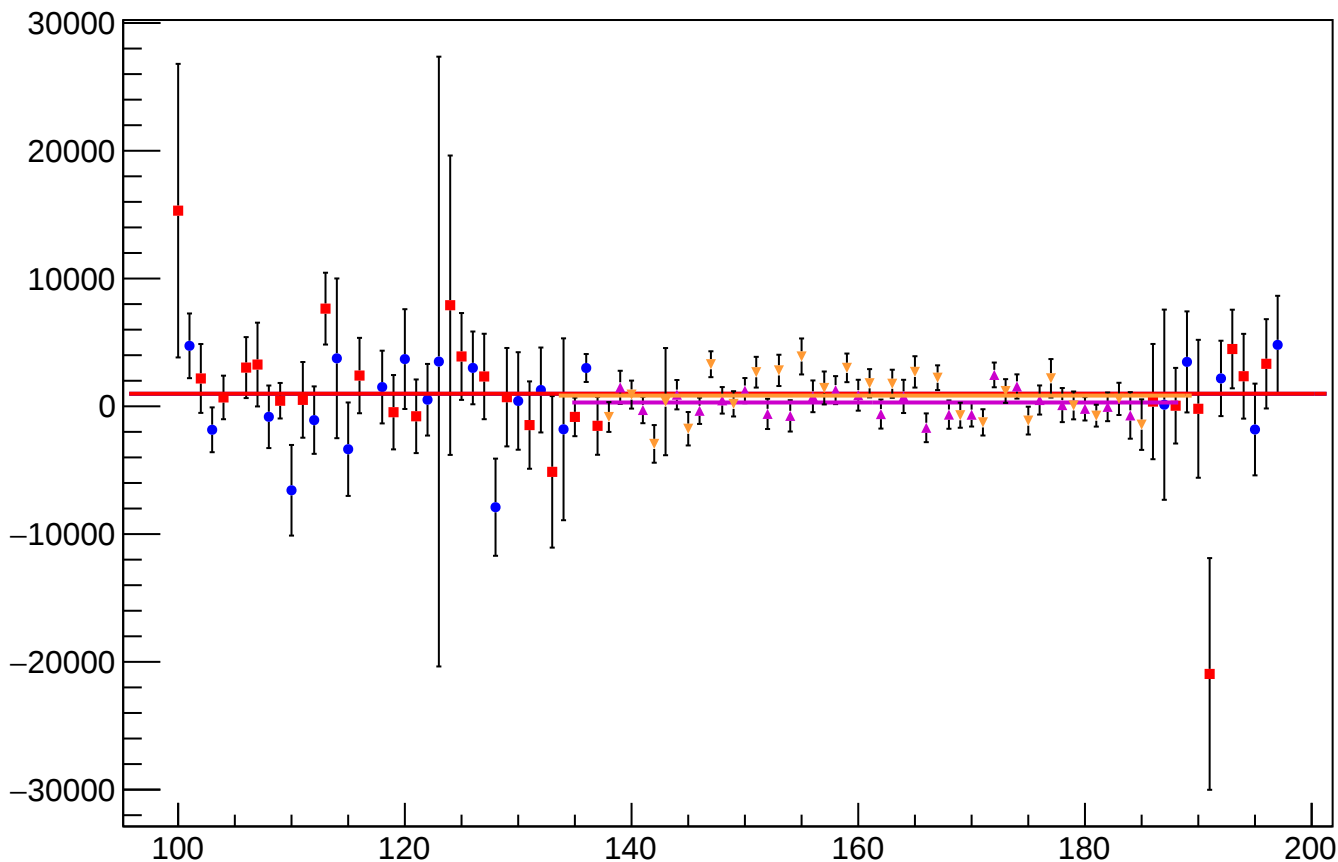
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1735.959 $\pm$ 0.234 χ^2 /NDF: 1183269.0/46

All: 1731.072 $\pm$ 0.164 χ^2 /NDF: 1956084.7/95

- sign 1726.341 $\pm$ 0.230 χ^2 /NDF: 771958.8/48

asym_at2_dd_correction_mean vs Slug



Right In: 976.989 $\pm$ 593.414 χ^2 /NDF: 24.3/21

Left Out: 839.344 $\pm$ 230.465 χ^2 /NDF:54.4/24

Right Out: 986.838 $\pm$ 545.837 χ^2 /NDF: 23.1/25

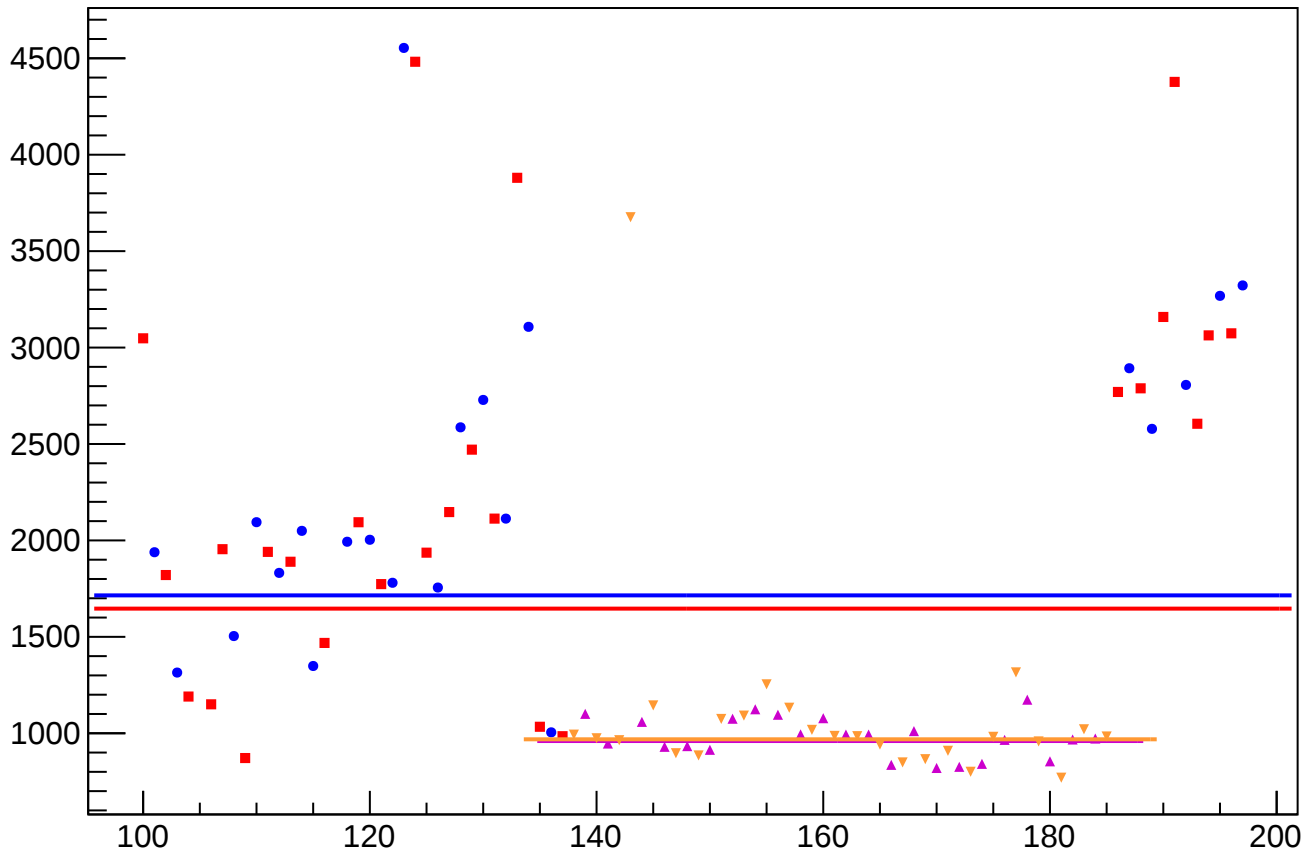
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF:18.3/22

+ sign 857.384 $\pm$ 214.832 χ^2 /NDF: 78.8/46

All: 628.607 $\pm$ 151.274 χ^2 /NDF: 123.8/95

- sign 403.618 $\pm$ 213.046 χ^2 /NDF: 42.8/48

asym_at2_dd_correction_rms vs Slug



Right In: 1715.021+/-0.420 χ^2/NDF : 2586019.0/21

Left Out: 968.712+/-0.163 χ^2/NDF : 1393696.6/24

+ sign 1066.526+/-0.152 χ^2/NDF : 6728494.4/46

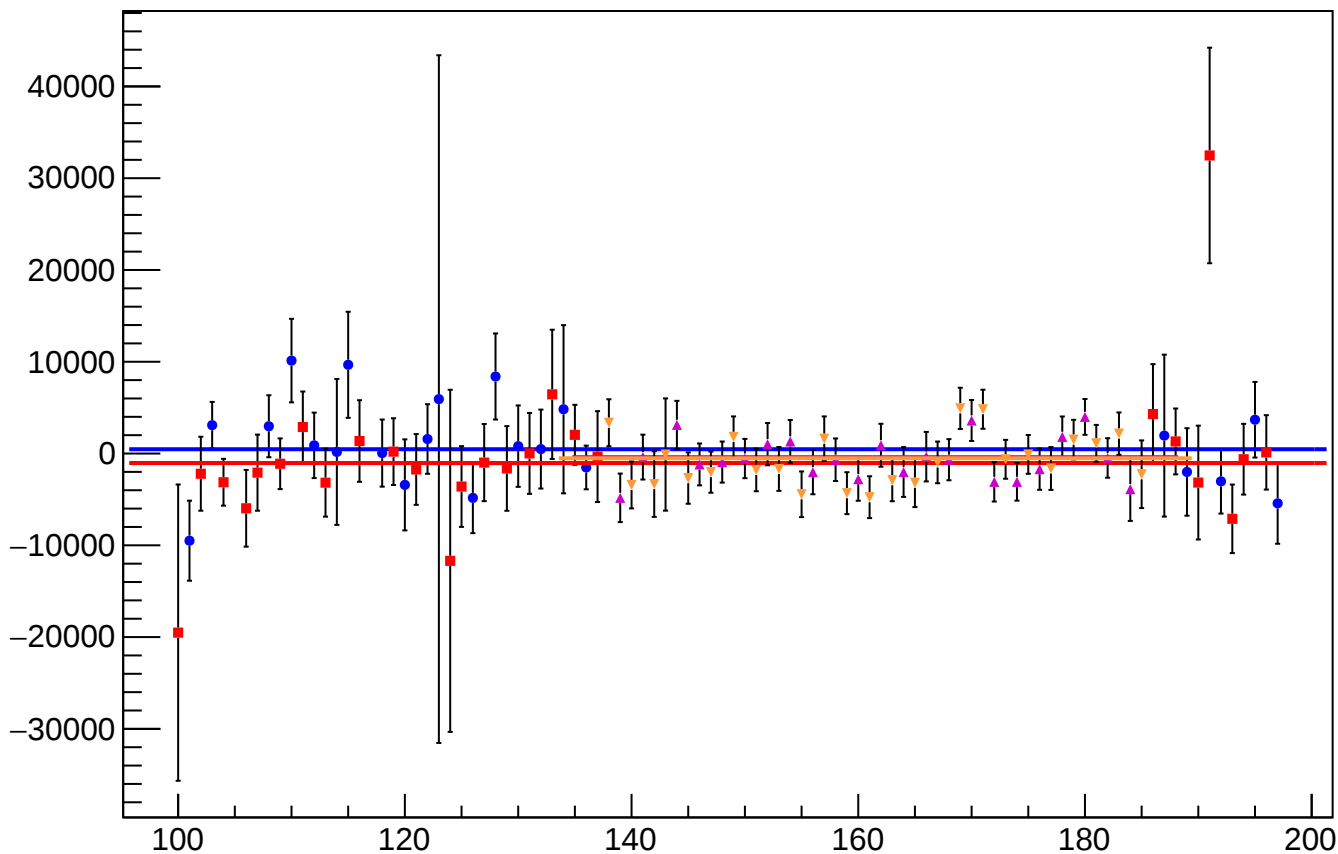
Right Out: 1646.352+/-0.386 χ^2/NDF : 3742552.7/25

All: 1065.451+/-0.107 χ^2/NDF : 13524401.6/9

- sign 1064.395+/-0.151 χ^2/NDF : 6795808.1/48

Left In: 959.805+/-0.164 χ^2/NDF : 371210.5/22

asym_at2_dd_mean vs Slug



Right In: 468.730 ± 873.687 χ^2/NDF : 24.0/21

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -1033.330 ± 814.417 χ^2/NDF : 20.5/25

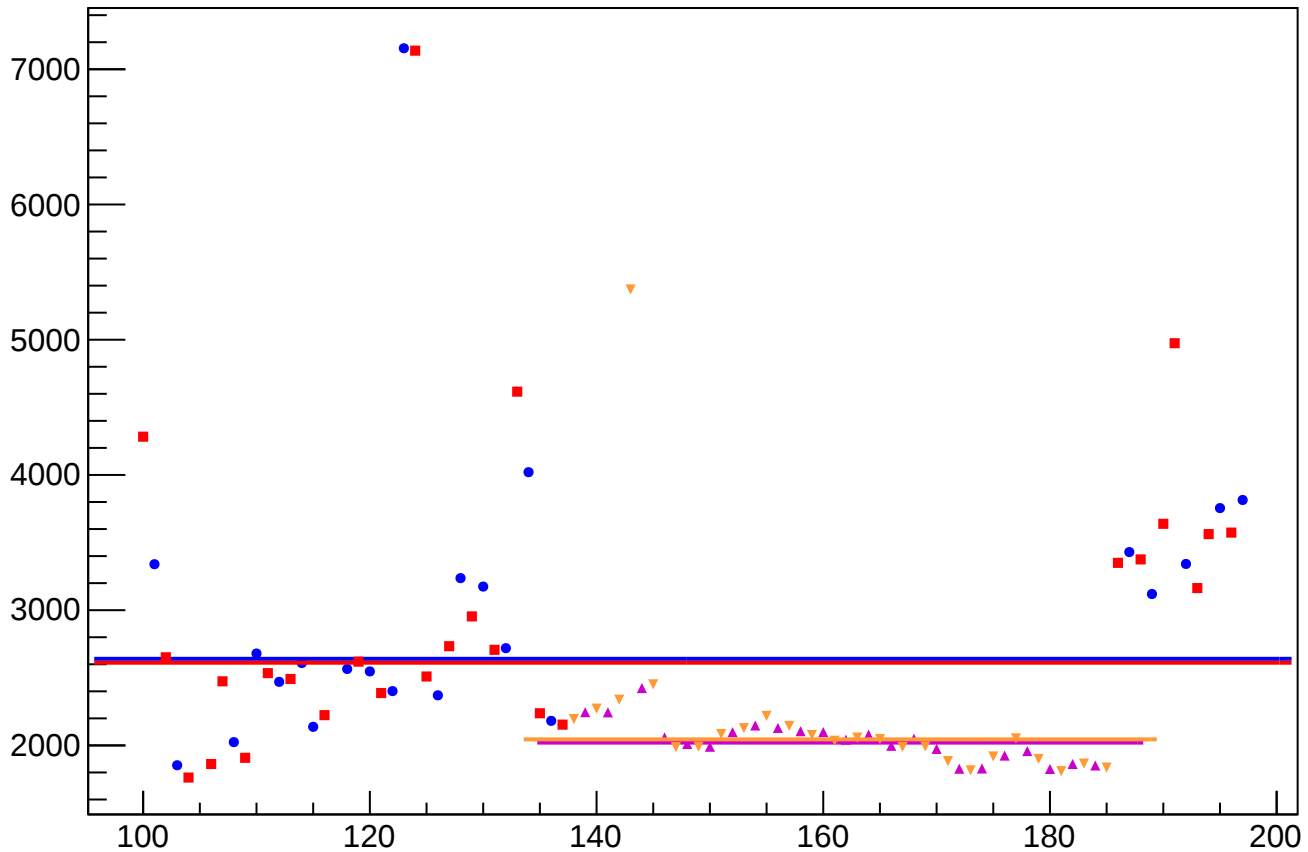
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -287.919 ± 421.690 χ^2/NDF : 59.0/46

All: -427.544 ± 296.413 χ^2/NDF : 102.0/95

- sign -563.908 ± 416.736 χ^2/NDF : 42.8/48

asym_at2_dd_rms vs Slug



Right In: 2640.407 $\pm$ 0.618 χ^2 /NDF: 966232.9/21

Left Out: 2044.722 $\pm$ 0.340 χ^2 /NDF: 788703.5/24

Right Out: 2611.628 $\pm$ 0.576 χ^2 /NDF: 1343577.5/25

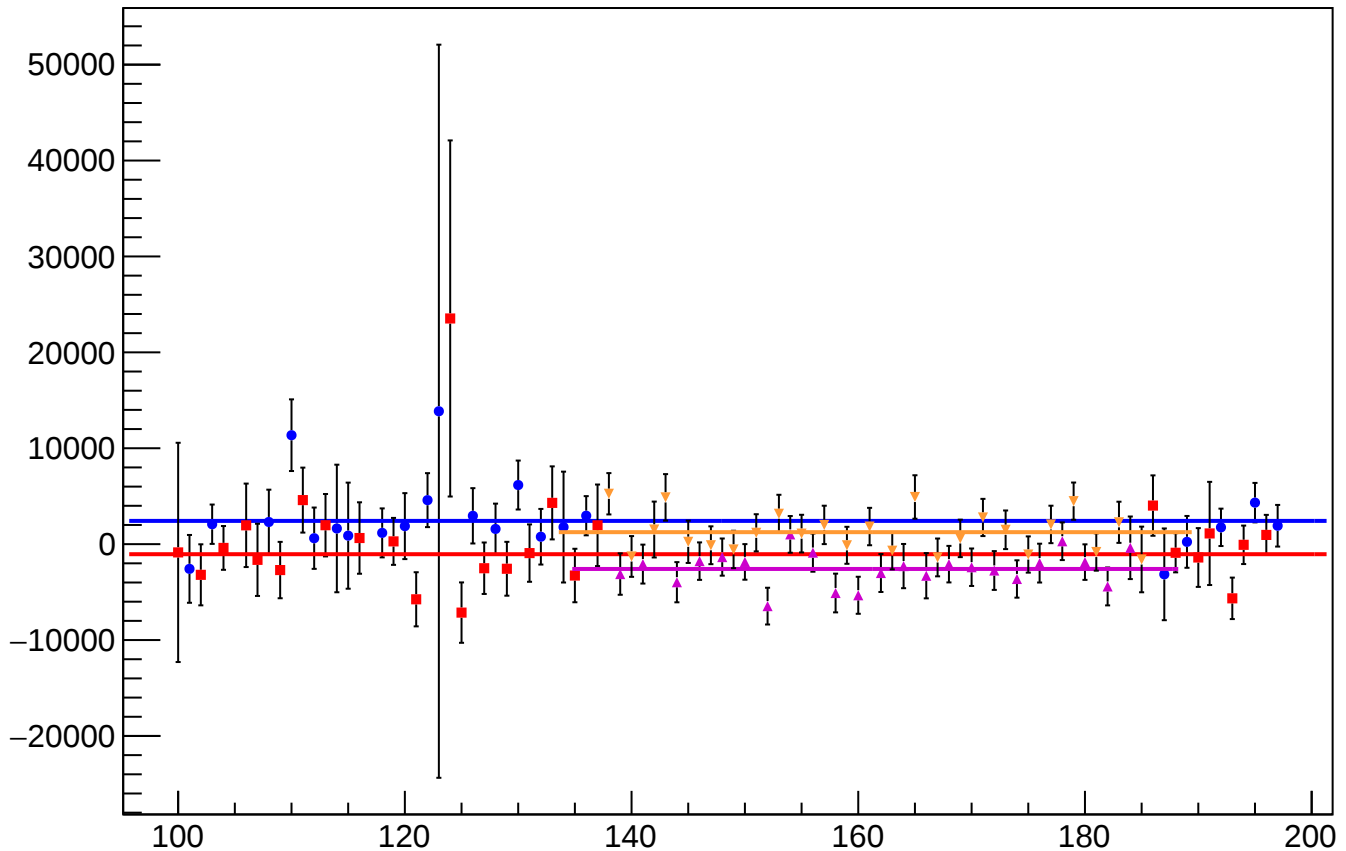
Left In: 2020.802 $\pm$ 0.343 χ^2 /NDF: 173502.0/22

+ sign 2183.492 $\pm$ 0.298 χ^2 /NDF: 2468071.9/46

All: 2179.449 $\pm$ 0.210 χ^2 /NDF: 4762498.8/95

- sign 2175.502 $\pm$ 0.295 χ^2 /NDF: 2294063.7/48

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2424.465 ± 609.342 χ^2/NDF : 14.8/21

Left Out: 1249.917 ± 412.486 χ^2/NDF : 23.0/24

Right Out: -1048.488 ± 578.306 χ^2/NDF : 25.9/25

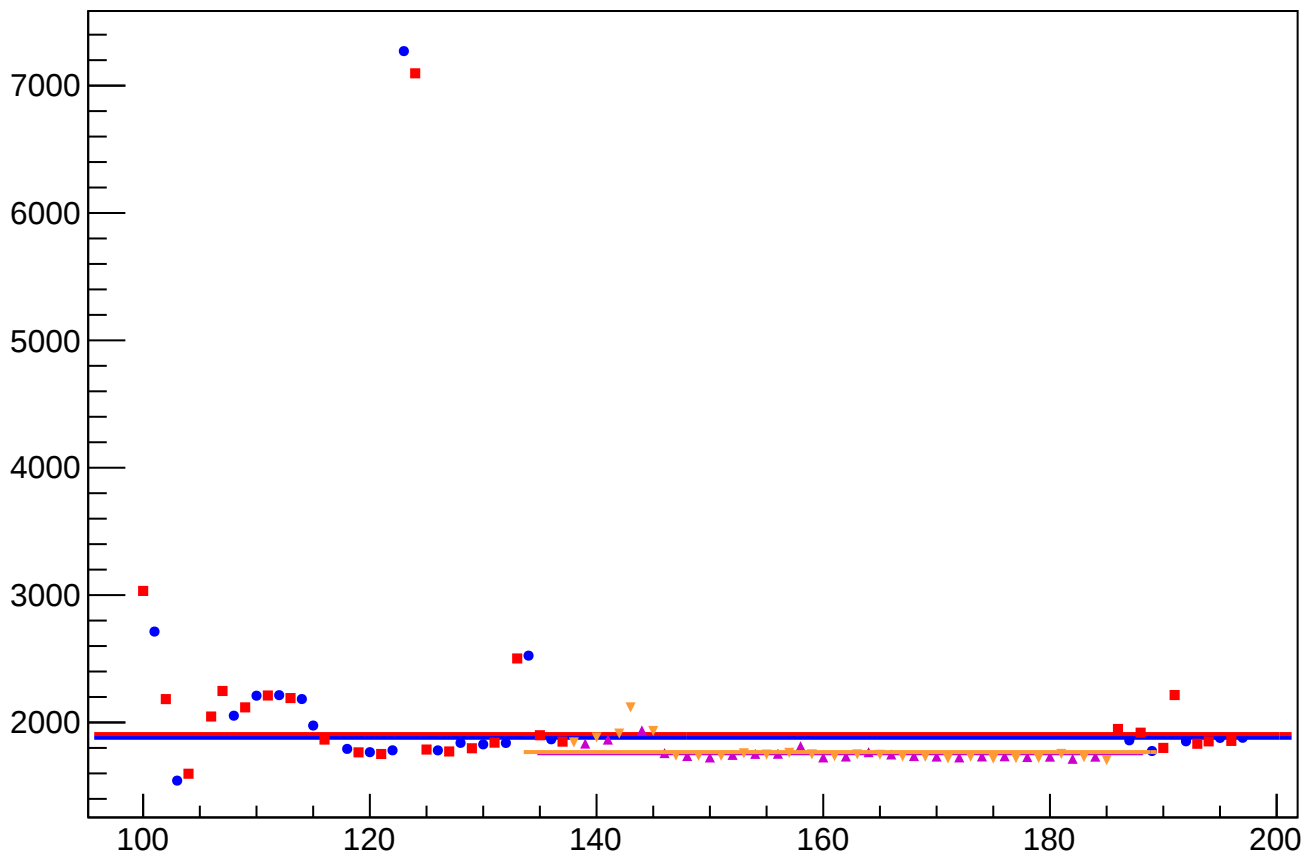
Left In: -2586.937 ± 421.510 χ^2/NDF : 17.5/22

+ sign 1619.010 ± 341.581 χ^2/NDF : 40.4/46

All: -222.202 ± 241.198 χ^2/NDF : 146.4/95

- sign -2053.188 ± 340.631 χ^2/NDF : 48.0/48

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1879.791+/-0.431 χ^2 /NDF: 291696.0/21

Left Out: 1767.517+/-0.292 χ^2 /NDF: 77674.7/24

Right Out: 1908.908+/-0.409 χ^2 /NDF: 376580.3/25

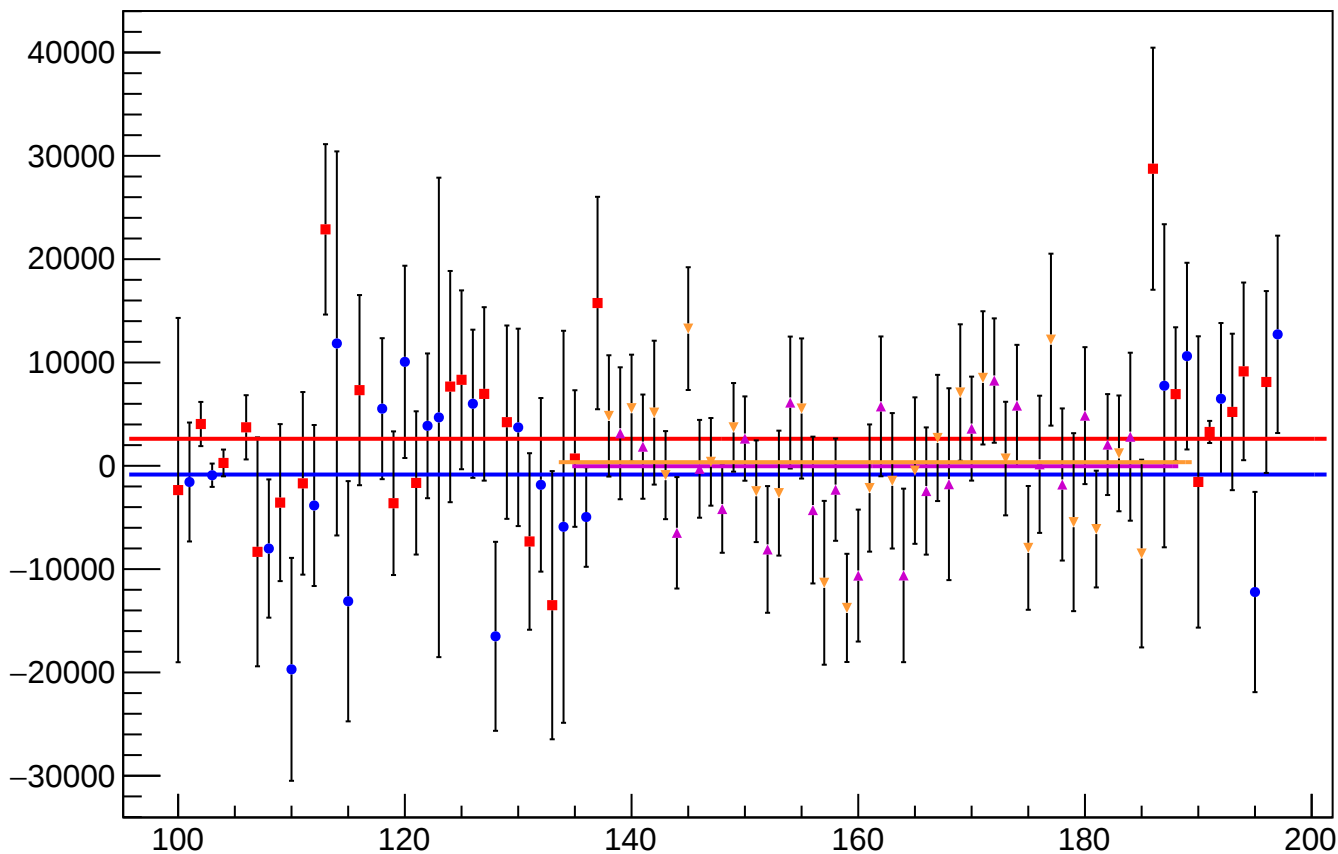
Left In: 1758.076+/-0.298 χ^2 /NDF: 29806.0/22

+ sign 1802.798+/-0.242 χ^2 /NDF: 415933.7/46

All: 1806.647+/-0.171 χ^2 /NDF: 911786.8/95

- sign 1810.471+/-0.241 χ^2 /NDF: 495346.9/48

asym_atl1r2_avg_correction_mean vs Slug



Right In: -845.634 ± 959.279 χ^2/NDF : 19.9/21

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 2614.788 ± 693.334 χ^2/NDF : 25.8/25

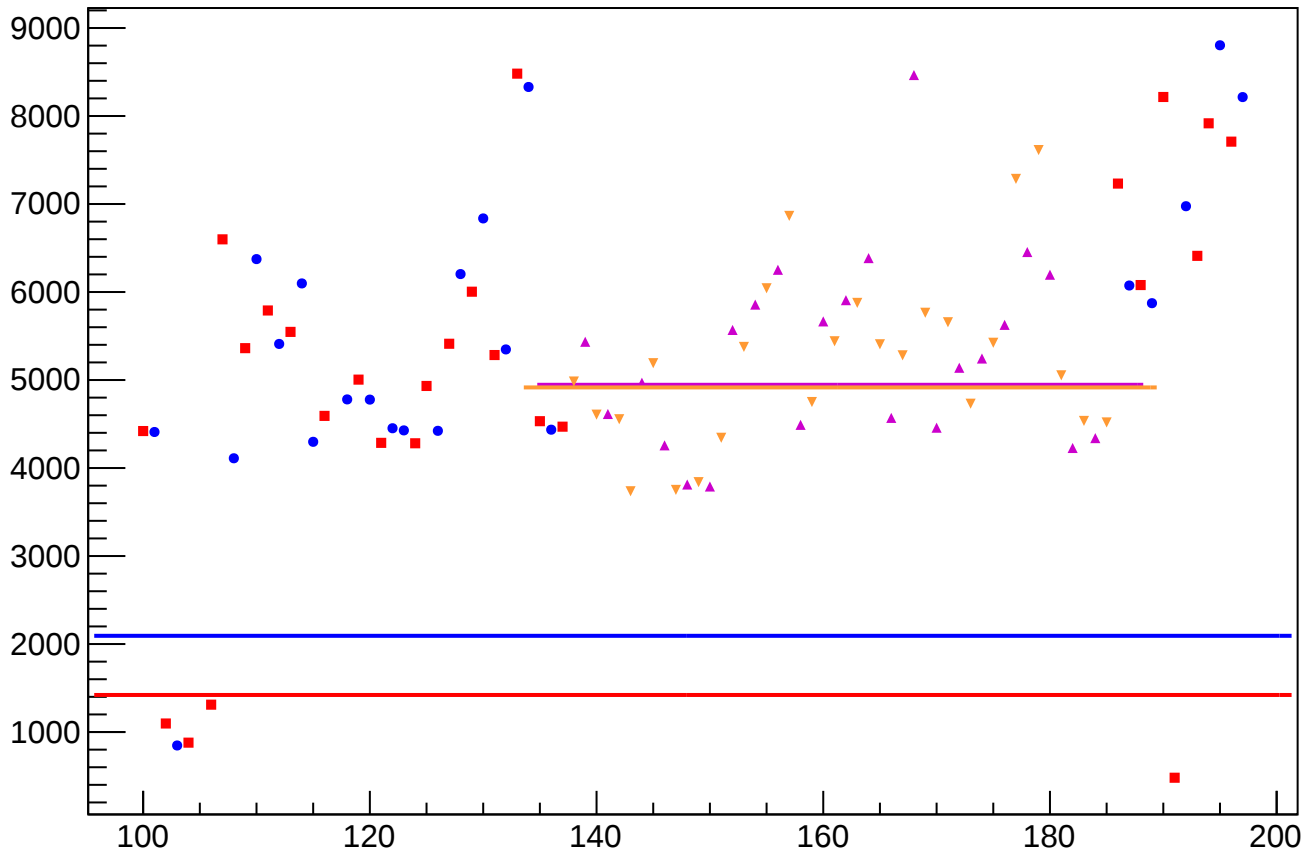
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -364.525 ± 741.830 χ^2/NDF : 48.3/46

All: 1036.196 ± 467.103 χ^2/NDF : 99.7/95

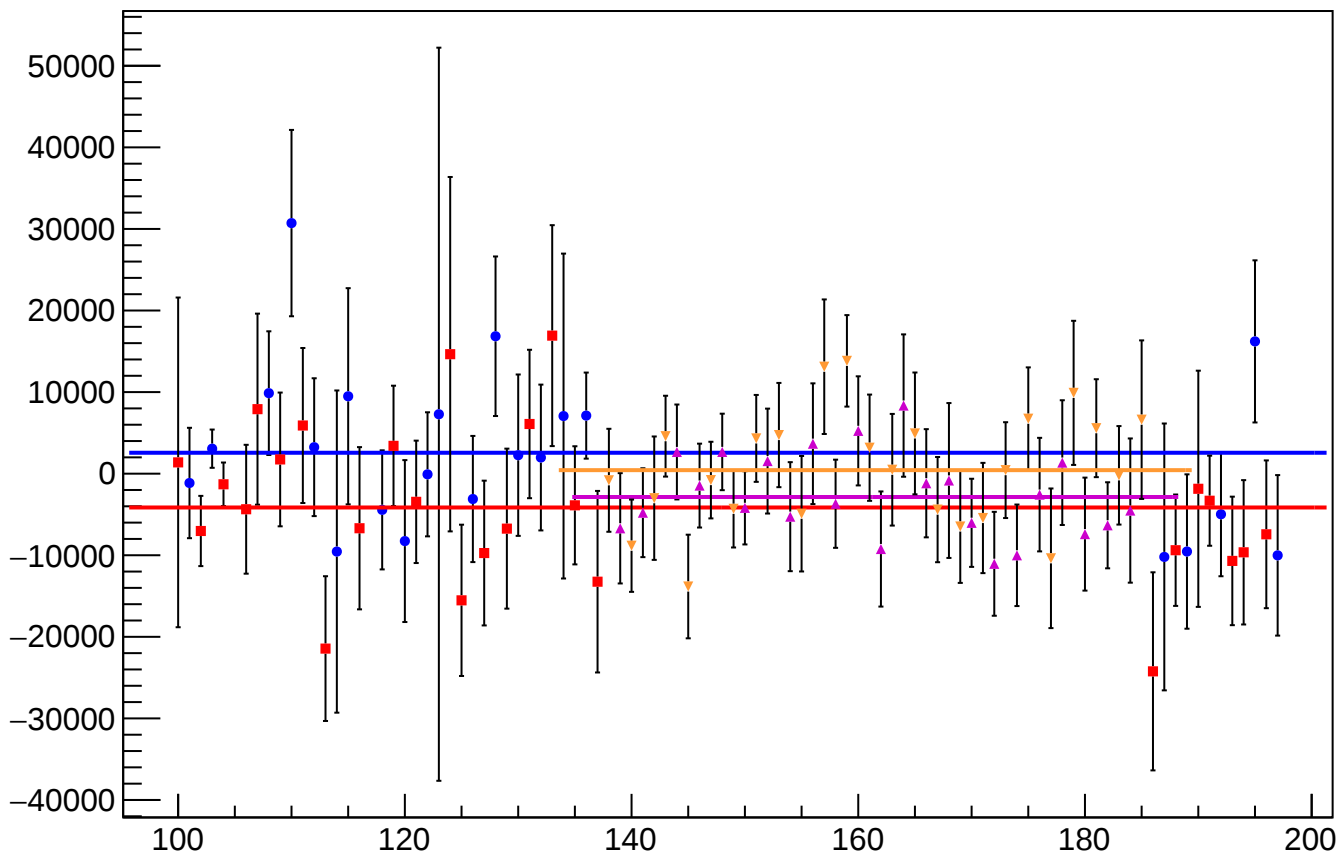
- sign 1956.381 ± 601.265 χ^2/NDF : 45.5/48

asym_atl1r2_avg_correction_rms vs Slug



Right In: 2093.463+/-0.678	χ^2/NDF : 9750381.8/21	+ sign 3227.998+/-0.525	χ^2/NDF : 17896348.0/46
Left Out: 4915.865+/-0.827	χ^2/NDF : 1186479.7/24	All: 2665.001+/-0.330	χ^2/NDF : 46925860.0/9
Right Out: 1421.227+/-0.490	χ^2/NDF : 13117302.6/25	- sign 2295.149+/-0.425	χ^2/NDF : 27120808.0/48
Left In: 4945.817+/-0.854	χ^2/NDF : 1188288.6/22		

asym_atl1r2_avg_mean vs Slug



Right In: 2563.940 $\pm$ 1509.598 χ^2 /NDF: 20.5/21

Left Out: 430.860 $\pm$ 1258.273 χ^2 /NDF:27.1/24

Right Out: -4144.768 $\pm$ 1423.290 χ^2 /NDF: 20.9/25

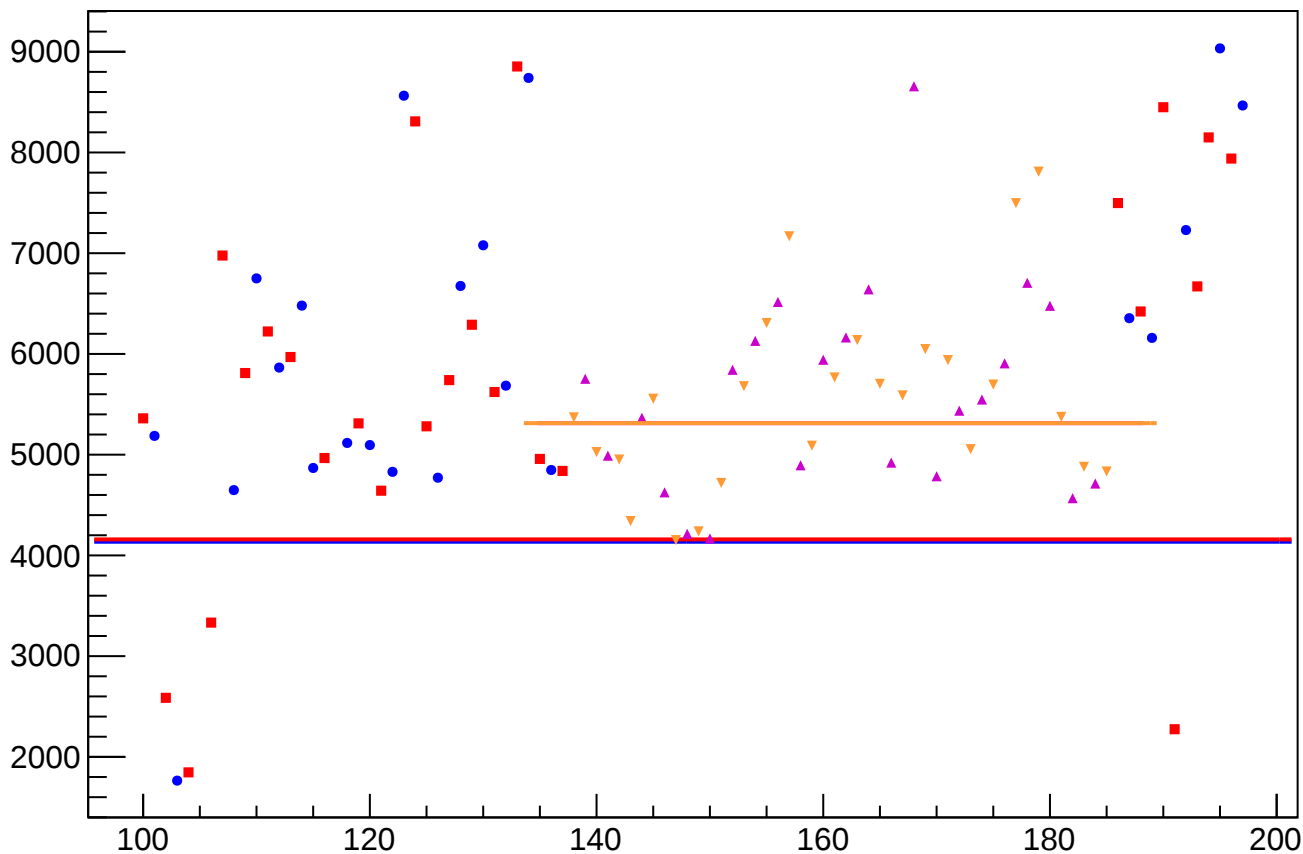
Left In: -2860.252 $\pm$ 1292.328 χ^2 /NDF:12.9/22

+ sign 1305.298 $\pm$ 966.546 χ^2 /NDF: 48.8/46

All: -1091.824 $\pm$ 679.969 χ^2 /NDF: 95.2/95

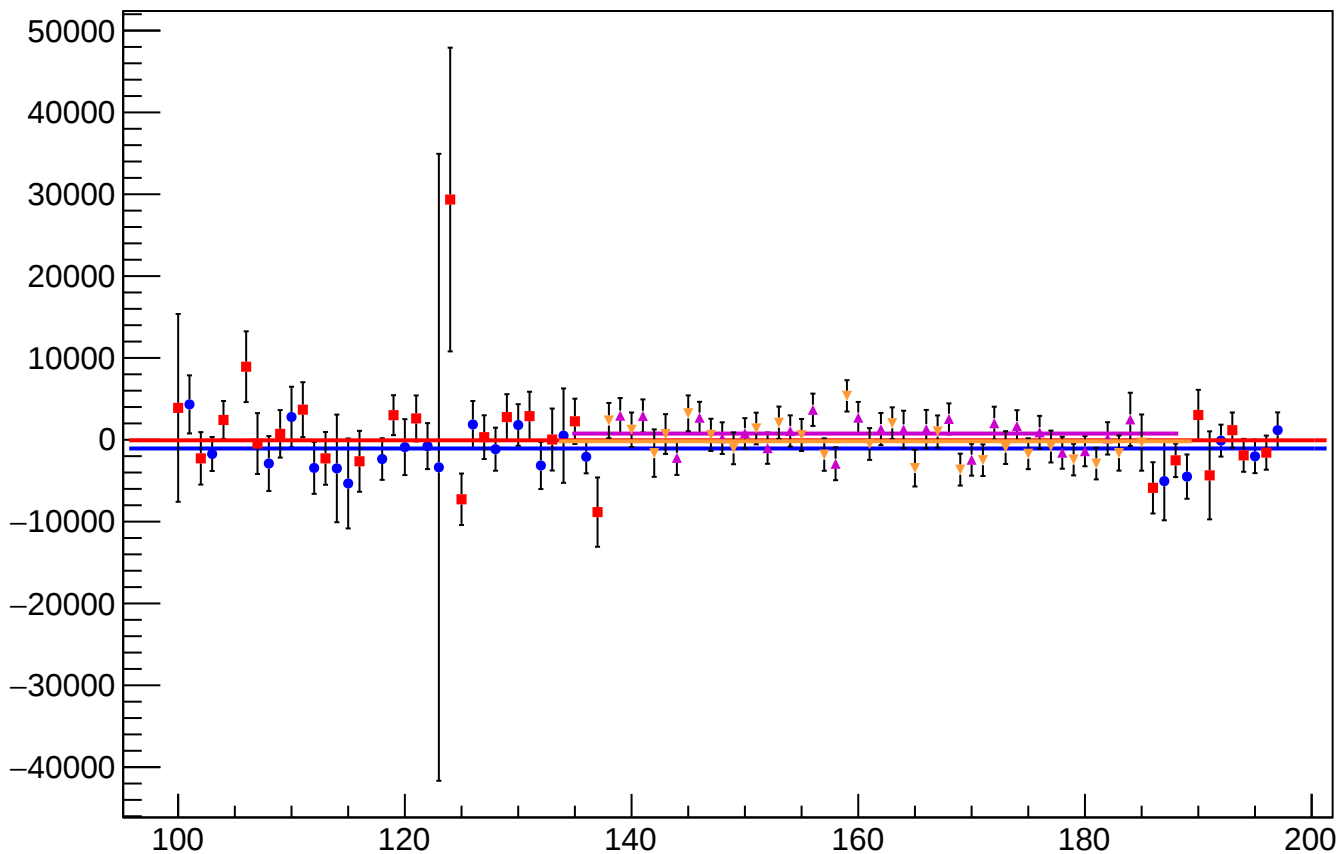
- sign -3440.707 $\pm$ 956.771 χ^2 /NDF: 34.2/48

asym_atl1r2_avg_rms vs Slug



Right In: 4135.805+/-1.067	χ^2/NDF : 4278850.9/21	+ sign 4830.423+/-0.683	χ^2/NDF : 5890858.2/46
Left Out: 5313.008+/-0.890	χ^2/NDF : 894369.8/24		
Right Out: 4158.749+/-1.001	χ^2/NDF : 4573930.7/25	All: 4809.115+/-0.480	χ^2/NDF : 12149045.0/5
Left In: 5312.861+/-0.914	χ^2/NDF : 957400.7/22	- sign 4788.335+/-0.675	χ^2/NDF : 6256266.9/48

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1063.512 ± 608.007 χ^2/NDF : 12.4/21

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: -62.883 ± 577.355 χ^2/NDF : 33.8/25

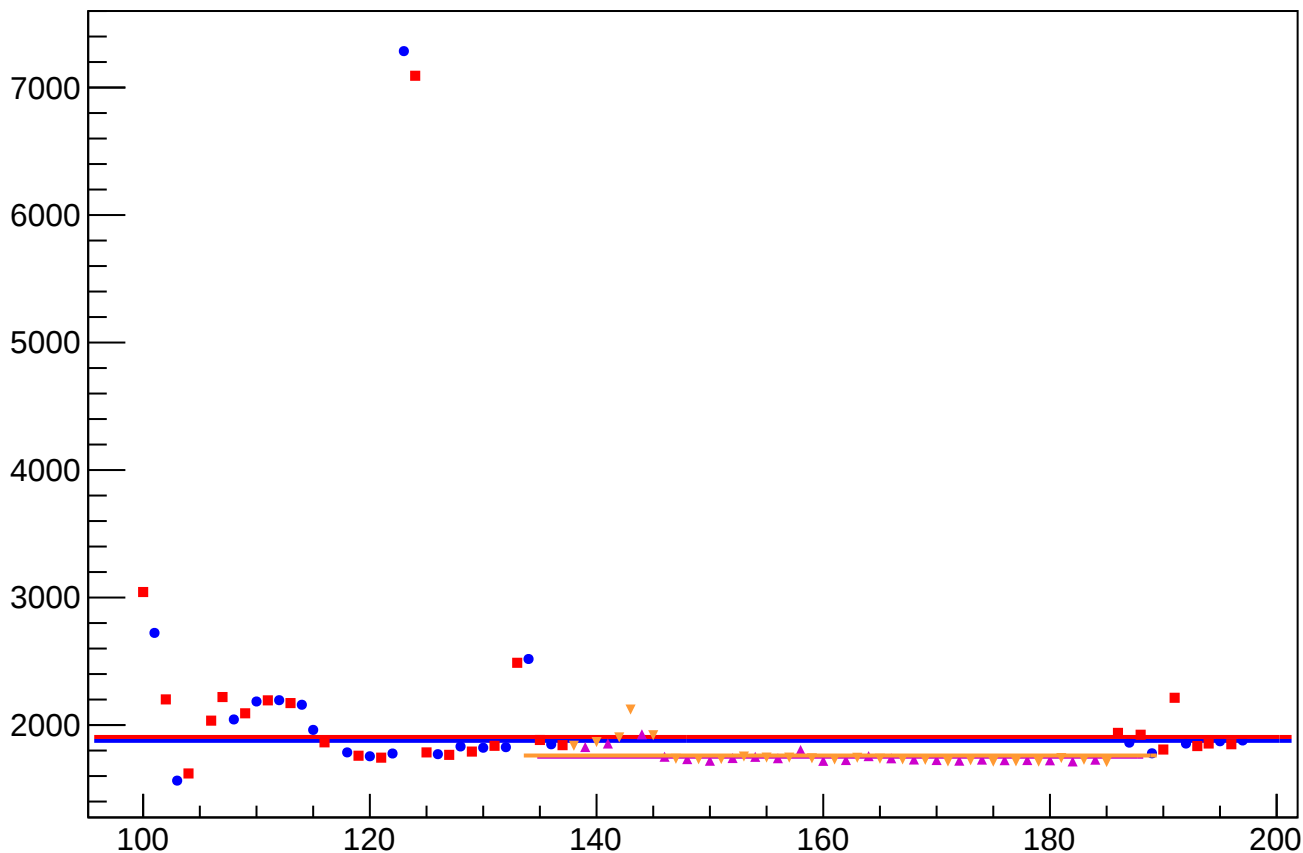
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -456.935 ± 340.489 χ^2/NDF : 43.1/46

All: 10.343 ± 240.443 χ^2/NDF : 102.2/95

- sign 475.156 ± 339.589 χ^2/NDF : 55.4/48

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1876.138+/-0.430 χ^2/NDF : 282469.8/21

Left Out: 1761.091+/-0.291 χ^2/NDF : 77468.5/24

Right Out: 1906.571+/-0.408 χ^2/NDF : 364703.2/25

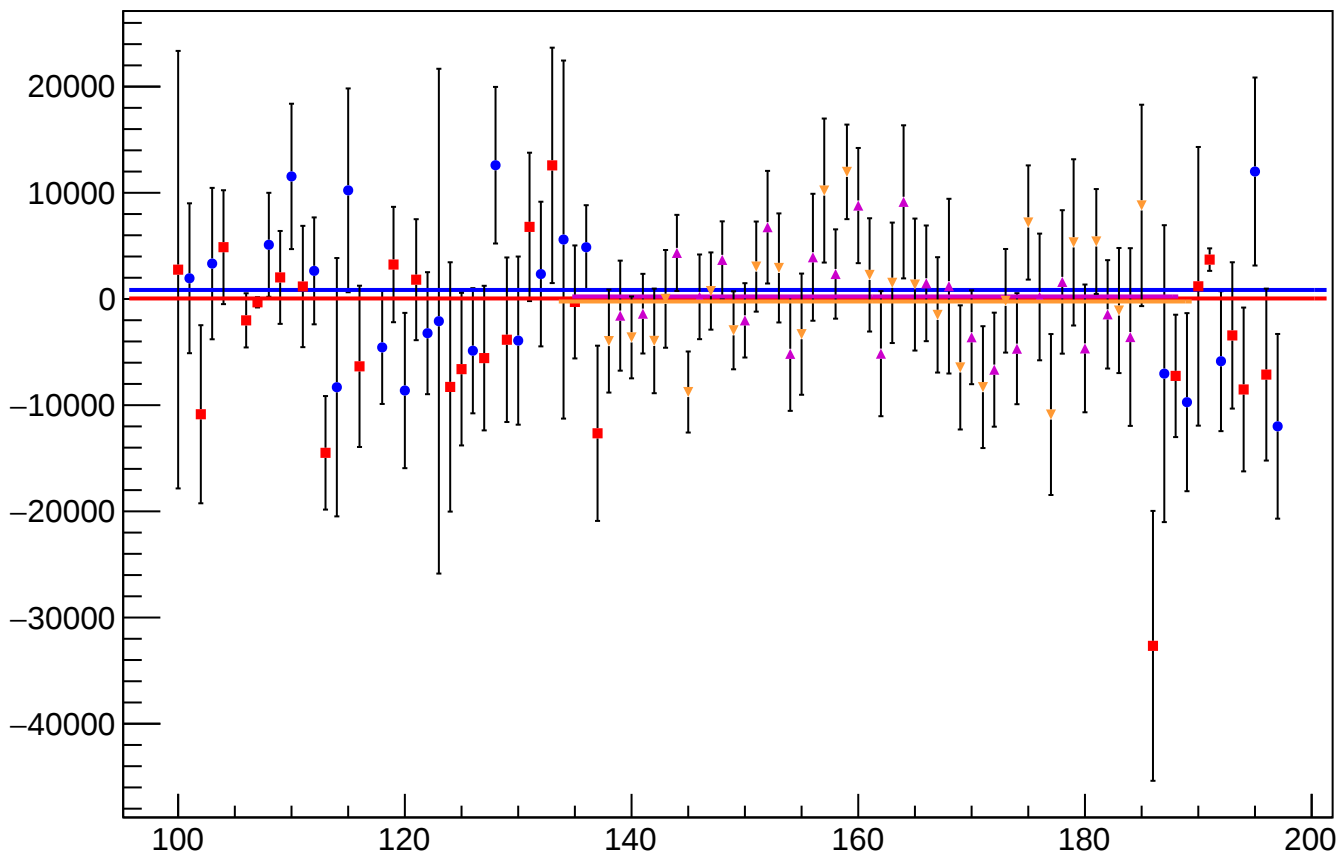
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1797.171+/-0.241 χ^2/NDF : 409090.1/46

All: 1801.178+/-0.170 χ^2/NDF : 897507.9/95

- sign 1805.161+/-0.240 χ^2/NDF : 487865.4/48

asym_atl1r2_dd_correction_mean vs Slug



Right In: 850.523+/-1464.504 χ^2/NDF : 19.9/21

Left Out: -235.806+/-1005.144 χ^2/NDF : 28.9/24

Right Out: 48.515+/-413.721 χ^2/NDF : 41.8/25

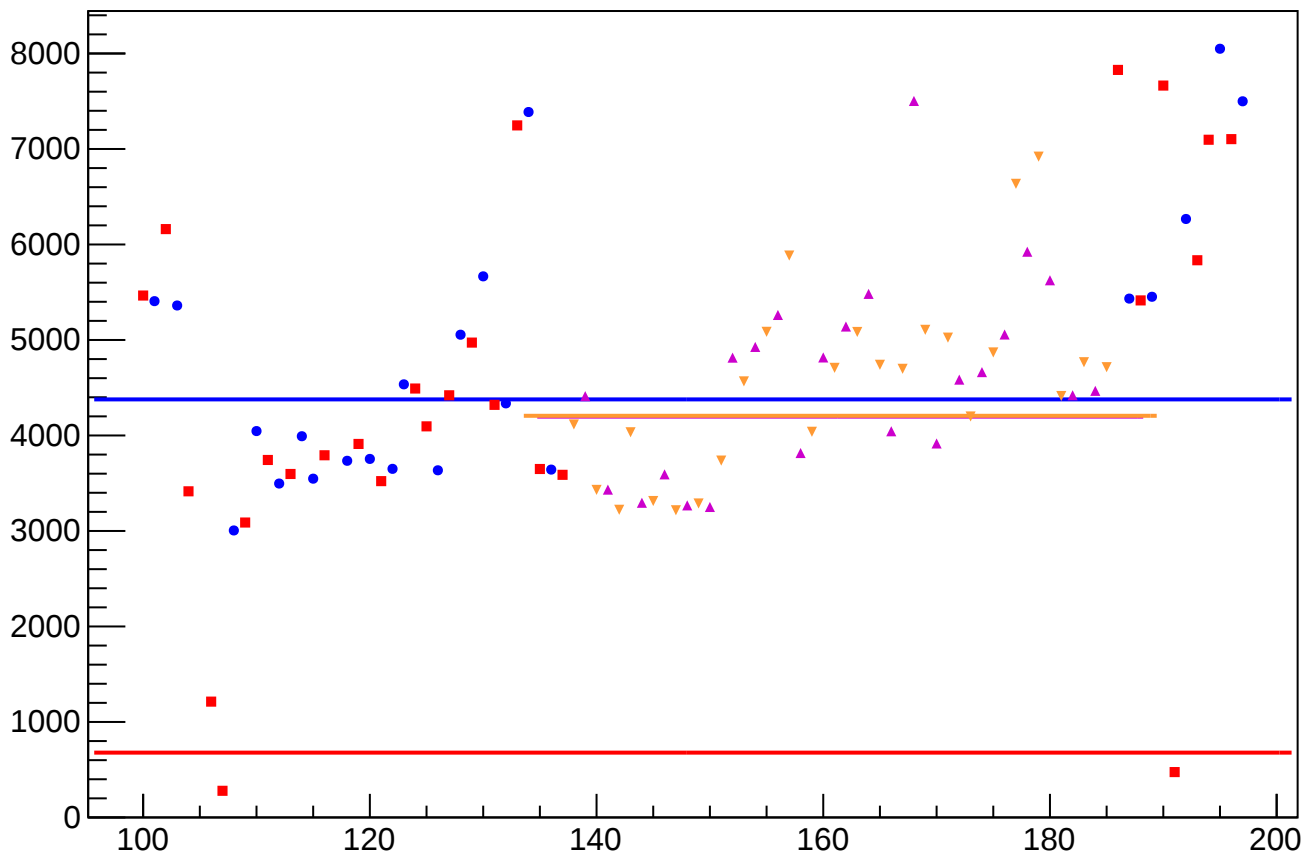
Left In: 239.224+/-1028.883 χ^2/NDF : 15.3/22

+ sign 112.056+/-828.730 χ^2/NDF : 49.2/46

All: 81.594+/-348.303 χ^2/NDF : 106.4/95

- sign 75.059+/-383.851 χ^2/NDF : 57.2/48

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4377.723 ± 1.036 $\chi^2/\text{NDF}: 1441259.0/21$

Left Out: 4206.076 ± 0.711 $\chi^2/\text{NDF}: 1442269.3/24$

Right Out: 678.843 ± 0.293 $\chi^2/\text{NDF}: 16655229.6/25$

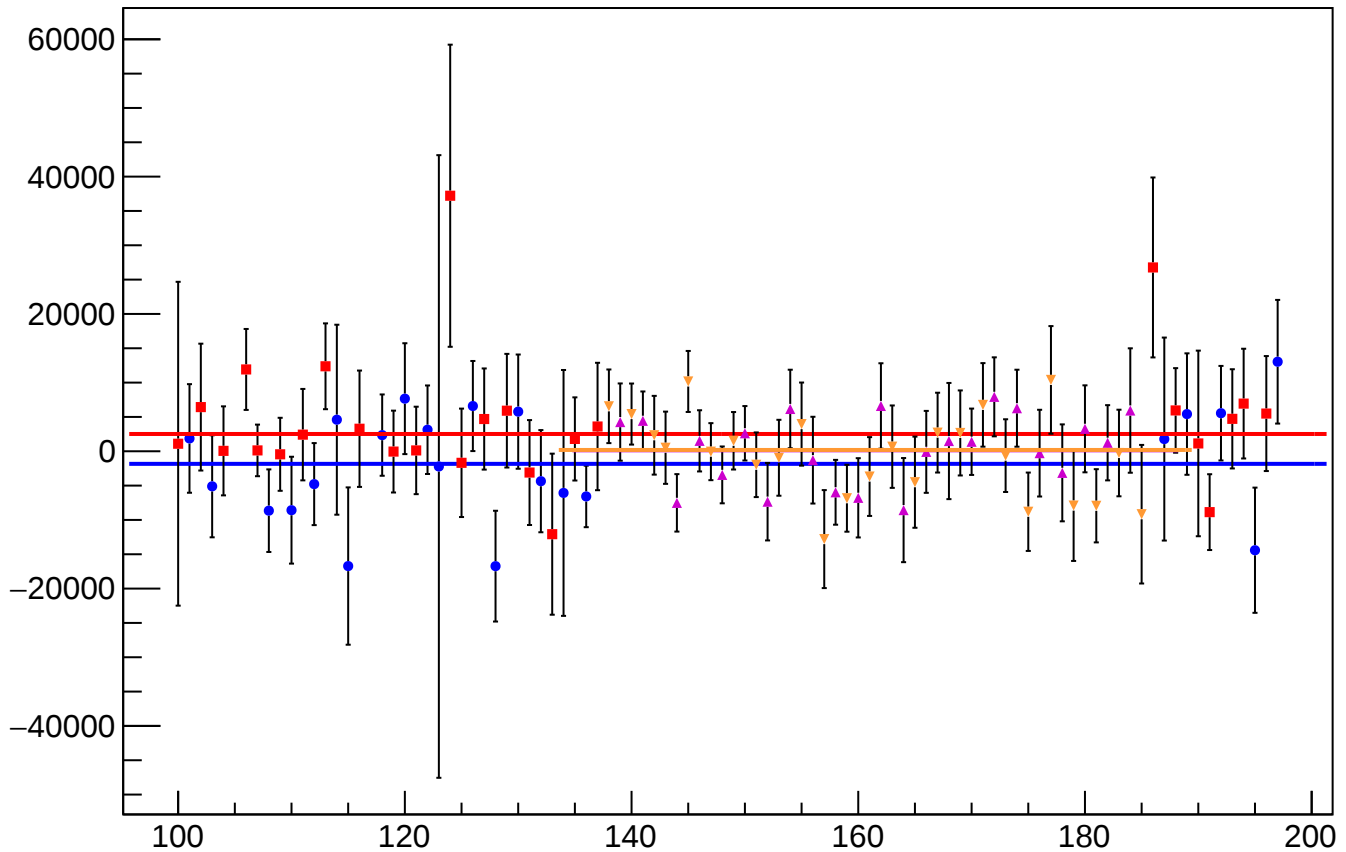
Left In: 4197.267 ± 0.728 $\chi^2/\text{NDF}: 1471012.9/22$

+ sign 4261.040 ± 0.586 $\chi^2/\text{NDF}: 2902204.6/46$

All: 1714.812 ± 0.246 $\chi^2/\text{NDF}: 64091490.9/9$

- sign 1168.556 ± 0.271 $\chi^2/\text{NDF}: 38259037.2/48$

asym_atl1r2_dd_mean vs Slug



Right In: -1832.973 ± 1634.185 χ^2/NDF : 20.8/21

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 2517.258 ± 1385.195 χ^2/NDF : 20.1/25

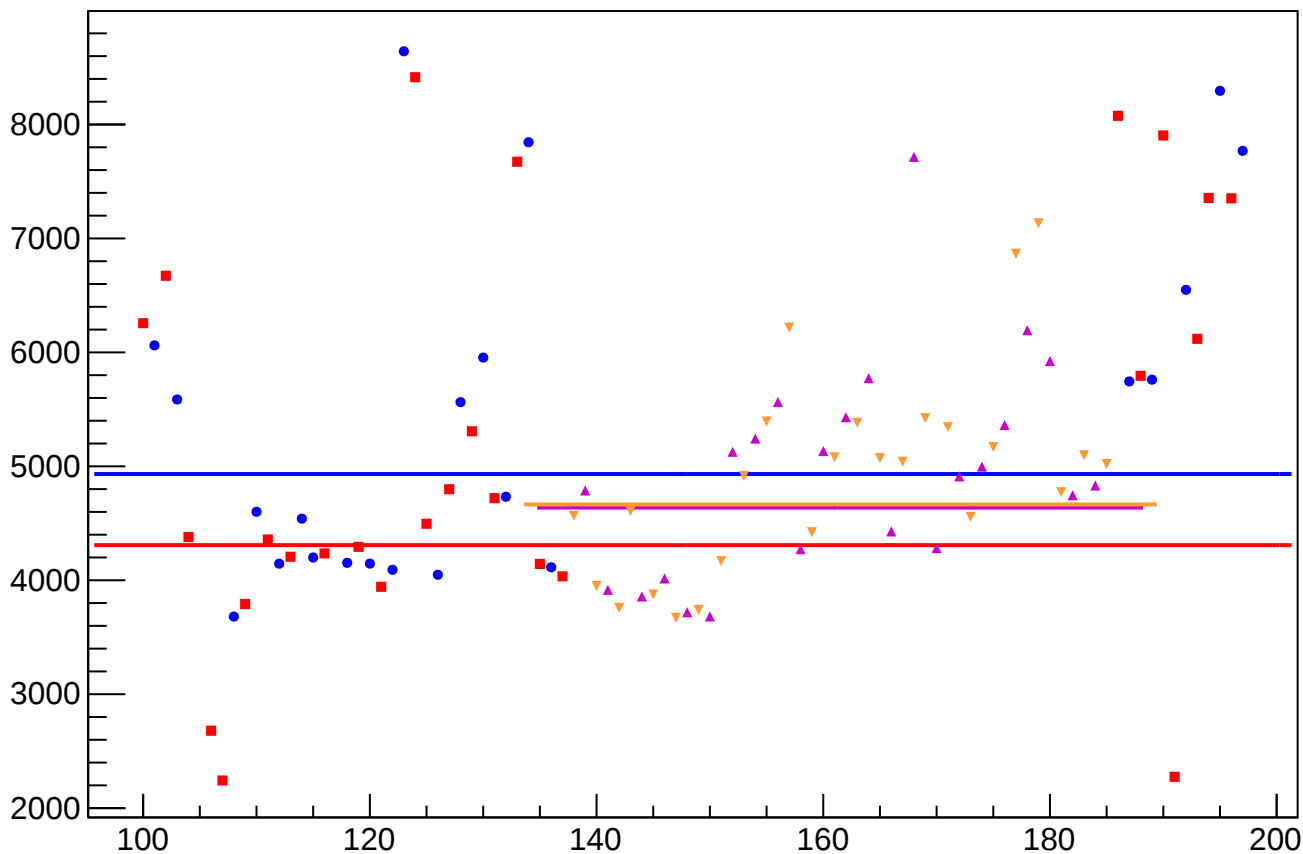
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -446.380 ± 916.429 χ^2/NDF : 46.8/46

All: 355.898 ± 633.026 χ^2/NDF : 88.7/95

- sign 1088.025 ± 875.446 χ^2/NDF : 40.4/48

asym_atl1r2_dd_rms vs Slug



Right In: 4932.223+/-1.156 χ^2/NDF : 1096201.1/21

Left Out: 4665.620+/-0.783 χ^2/NDF : 1017235.0/24

Right Out: 4308.184+/-0.975 χ^2/NDF : 2613643.5/25

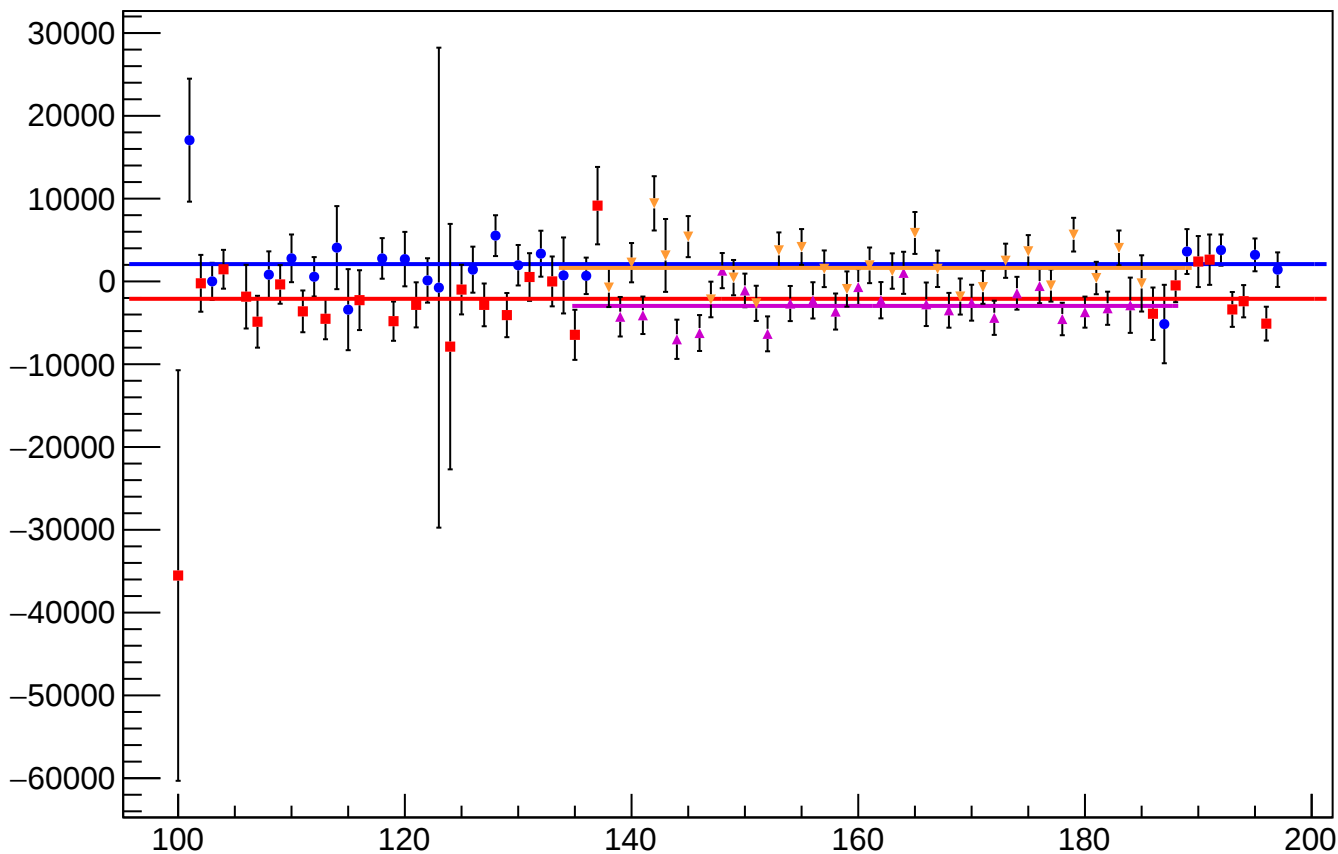
Left In: 4637.777+/-0.799 χ^2/NDF : 1065217.2/22

+ sign 4749.462+/-0.648 χ^2/NDF : 2149926.4/46

All: 4621.580+/-0.447 χ^2/NDF : 5971540.1/95

- sign 4505.343+/-0.618 χ^2/NDF : 3747270.2/48

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2092.315 +/- 586.000 χ^2/NDF : 14.3/21

Left Out: 1630.035 +/- 447.063 χ^2/NDF : 35.4/24

Right Out: -2100.574 +/- 541.567 χ^2/NDF : 26.6/25

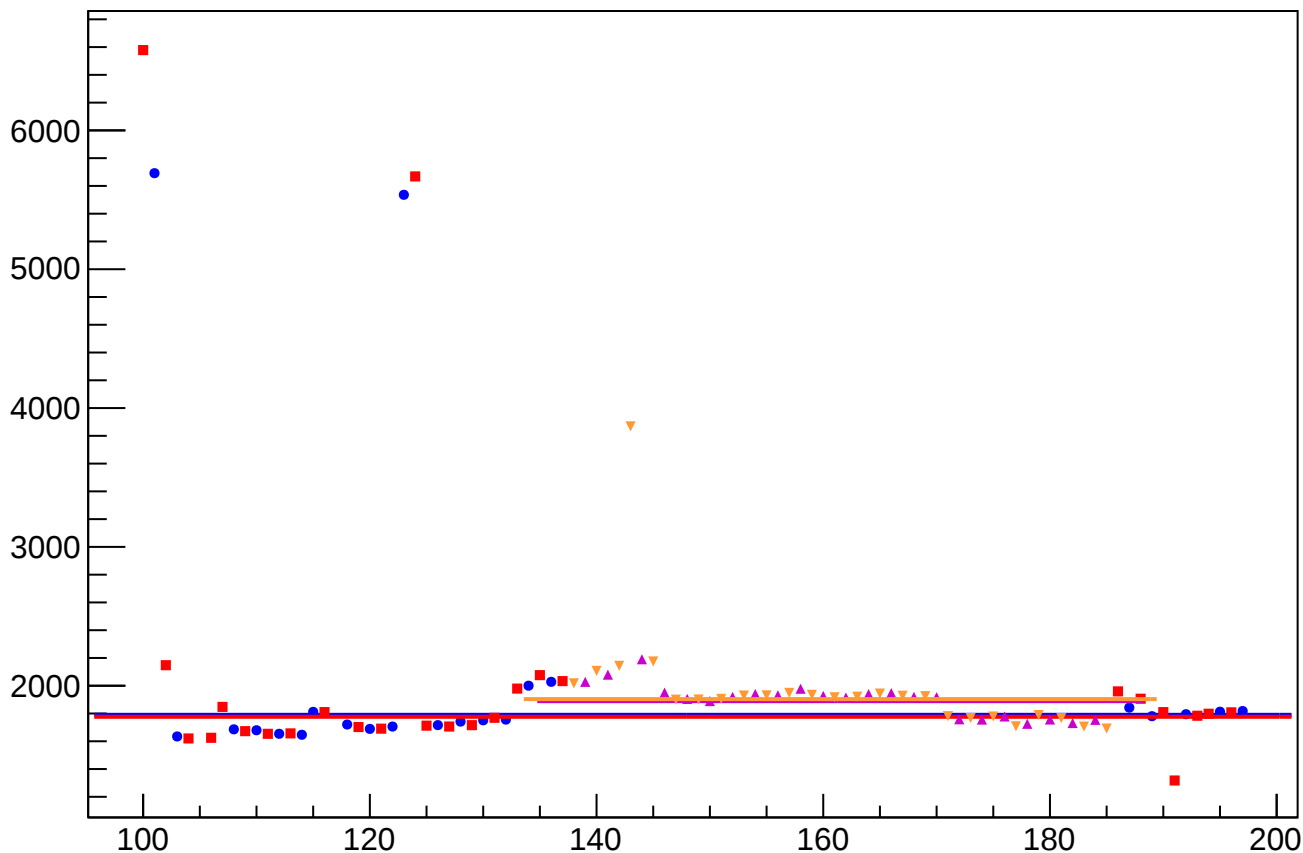
Left In: -2958.620 +/- 453.688 χ^2/NDF : 20.4/22

+ sign 1800.107 +/- 355.437 χ^2/NDF : 50.1/46

All: -450.293 +/- 248.580 χ^2/NDF : 177.1/95

- sign -2604.775 +/- 347.779 χ^2/NDF : 48.5/48

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1790.604 $\pm$ 0.414 χ^2 /NDF: 645685.9/21

Left Out: 1903.618 $\pm$ 0.316 χ^2 /NDF: 541575.7/24

Right Out: 1776.418 $\pm$ 0.381 χ^2 /NDF: 367868.6/25

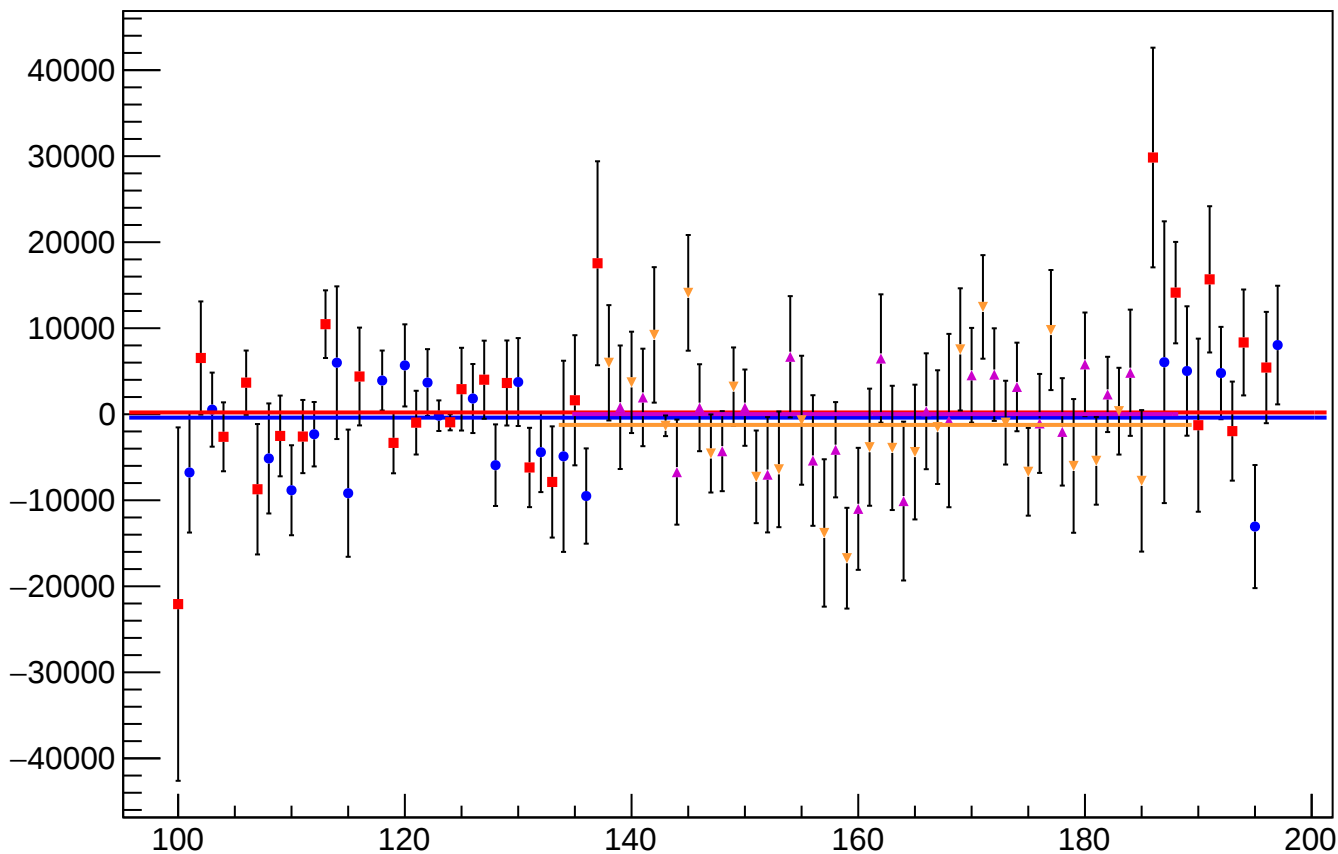
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1862.040 $\pm$ 0.251 χ^2 /NDF: 1234282.5/46

All: 1851.935 $\pm$ 0.176 χ^2 /NDF: 1782706.3/95

- sign 1842.294 $\pm$ 0.245 χ^2 /NDF: 545264.9/48

asym_atr1l2_avg_correction_mean vs Slug



Right In: -393.423 ± 964.454 χ^2/NDF : 22.7/21

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: 208.568 ± 700.660 χ^2/NDF : 39.6/25

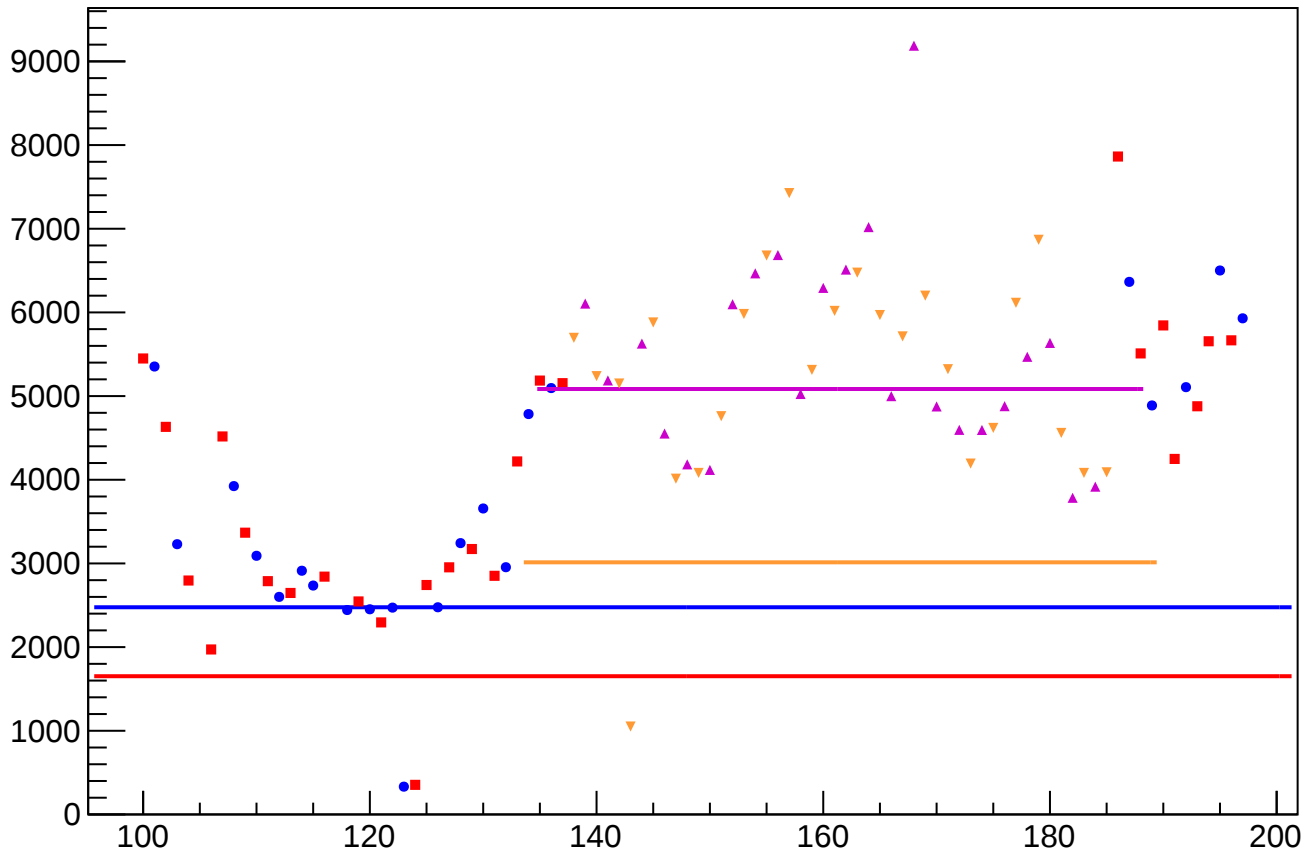
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -862.408 ± 644.030 χ^2/NDF : 57.0/46

All: -322.702 ± 443.033 χ^2/NDF : 111.2/95

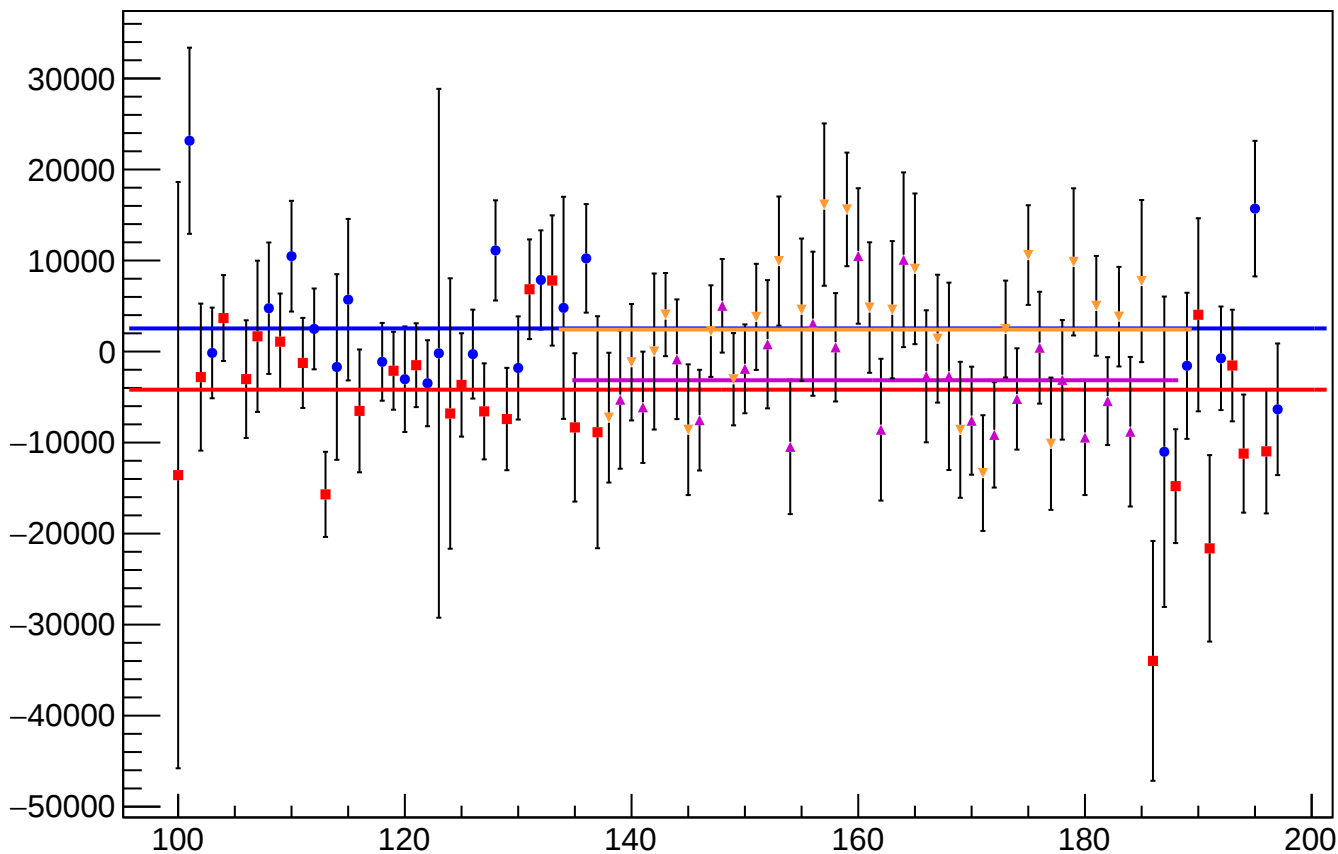
- sign 162.120 ± 610.407 χ^2/NDF : 52.8/48

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2476.229 $\pm$ 0.682	χ^2 /NDF: 6094949.5/21	+ sign 2773.796 $\pm$ 0.455	χ^2 /NDF: 18709306.9/46
Left Out: 3013.268 $\pm$ 0.612	χ^2 /NDF: 12270753.9/24	All: 2618.757 $\pm$ 0.313	χ^2 /NDF: 43038876.4/9
Right Out: 1652.143 $\pm$ 0.495	χ^2 /NDF: 11236551.7/25	- sign 2479.485 $\pm$ 0.432	χ^2 /NDF: 24109549.4/48
Left In: 5084.645 $\pm$ 0.879	χ^2 /NDF: 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2538.415+/-1334.874 χ^2/NDF : 21.6/21

Left Out: 2417.210+/-1286.482 χ^2/NDF : 29.9/24

Right Out: -4190.240+/-1245.601 χ^2/NDF : 33.2/25

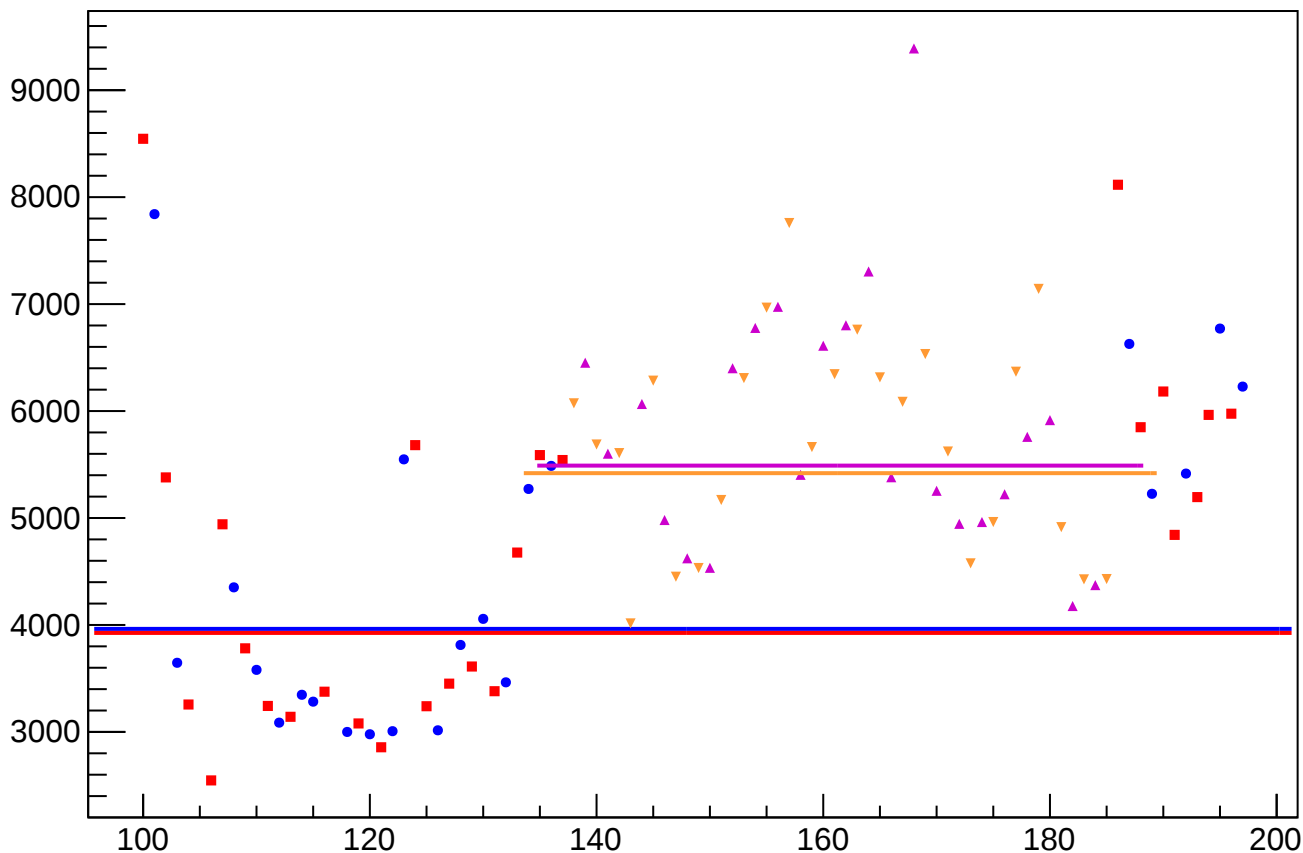
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2475.576+/-926.316 χ^2/NDF : 51.5/46

All: -666.407+/-649.700 χ^2/NDF : 123.2/95

- sign -3708.637+/-911.493 χ^2/NDF : 49.0/48

asym_atr1l2_avg_rms vs Slug



Right In: 3963.374+/-0.944 χ^2/NDF : 1610794.3/21

Left Out: 5419.305+/-0.910 χ^2/NDF : 1109972.1/24

Right Out: 3925.610+/-0.871 χ^2/NDF : 1818213.7/25

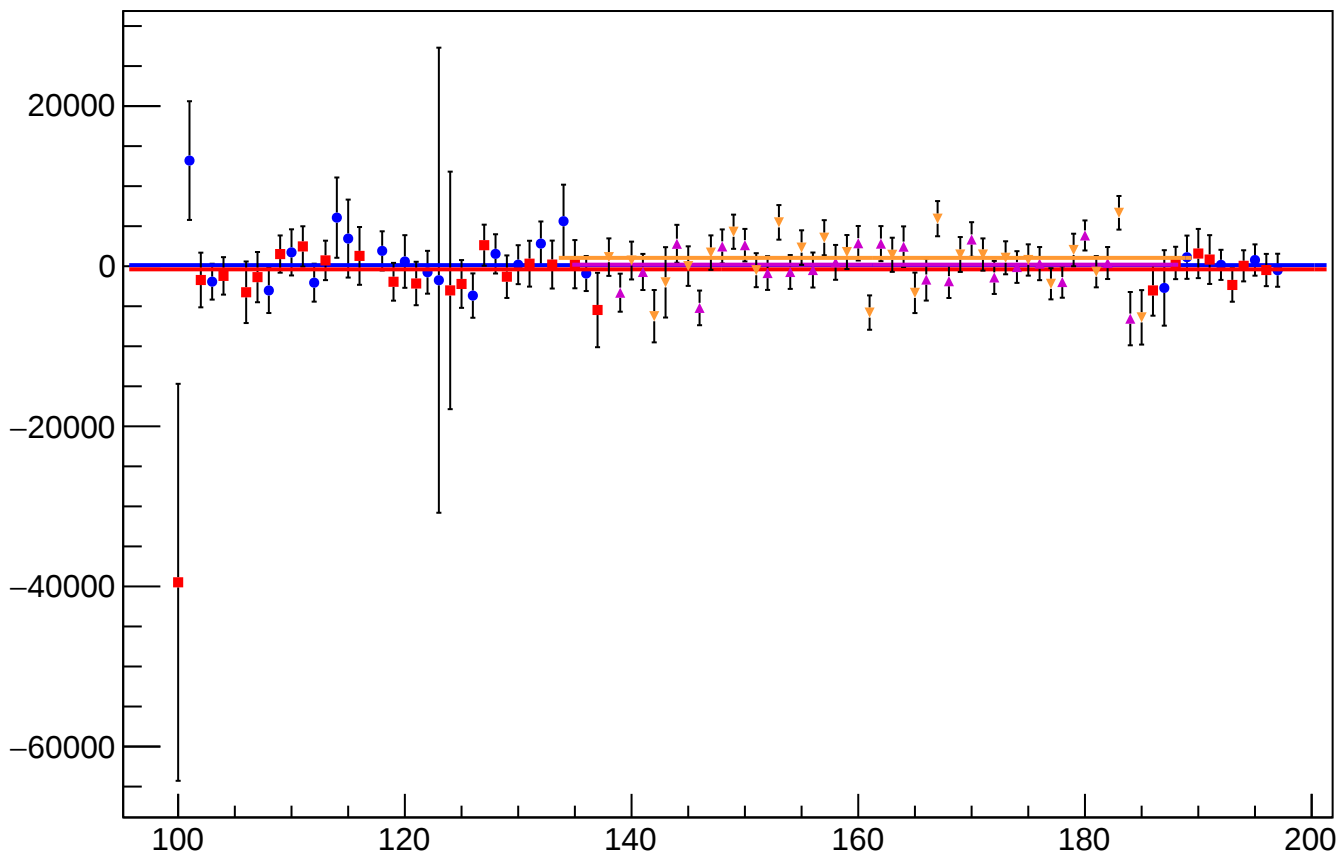
Left In: 5489.885+/-0.946 χ^2/NDF : 1064353.3/22

+ sign 4718.204+/-0.655 χ^2/NDF : 3954280.4/46

All: 4679.936+/-0.458 χ^2/NDF : 8324291.5/95

- sign 4643.337+/-0.641 χ^2/NDF : 4363333.3/48

reg_asym_atr1l2_dd_mean vs Slug



Right In: 133.526 $\pm$ 583.292 χ^2 /NDF: 14.4/21

Left Out: 1041.262 $\pm$ 446.249 χ^2 /NDF: 48.6/24

Right Out: -390.414 $\pm$ 539.390 χ^2 /NDF: 12.3/25

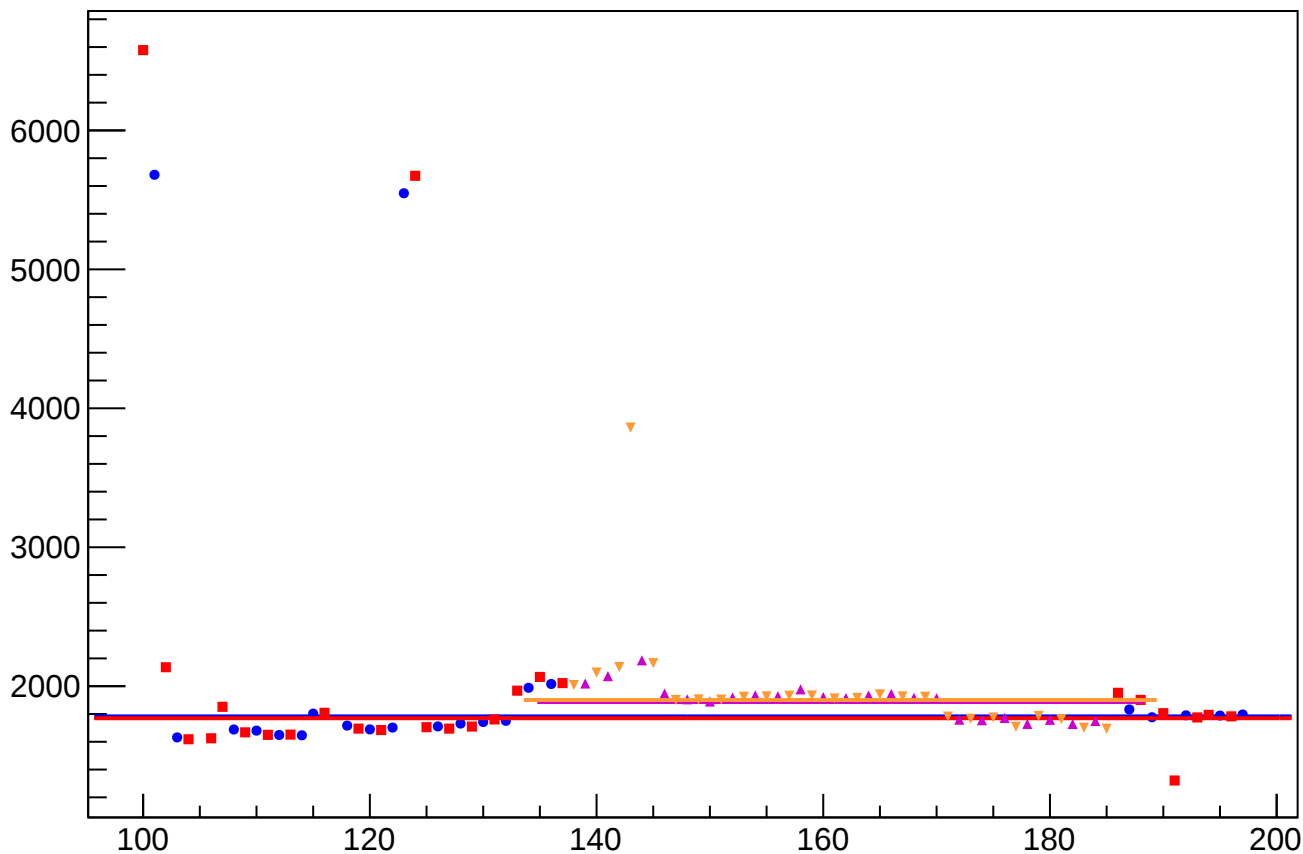
Left In: 191.966 $\pm$ 453.055 χ^2 /NDF: 30.0/22

+ sign 706.120 $\pm$ 354.422 χ^2 /NDF: 64.5/46

All: 320.510 $\pm$ 247.918 χ^2 /NDF: 109.8/95

- sign -48.941 $\pm$ 346.917 χ^2 /NDF: 42.9/48

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1782.463+/-0.412 χ^2/NDF : 643433.3/21

Left Out: 1900.295+/-0.316 χ^2/NDF : 537892.5/24

Right Out: 1769.536+/-0.380 χ^2/NDF : 364790.5/25

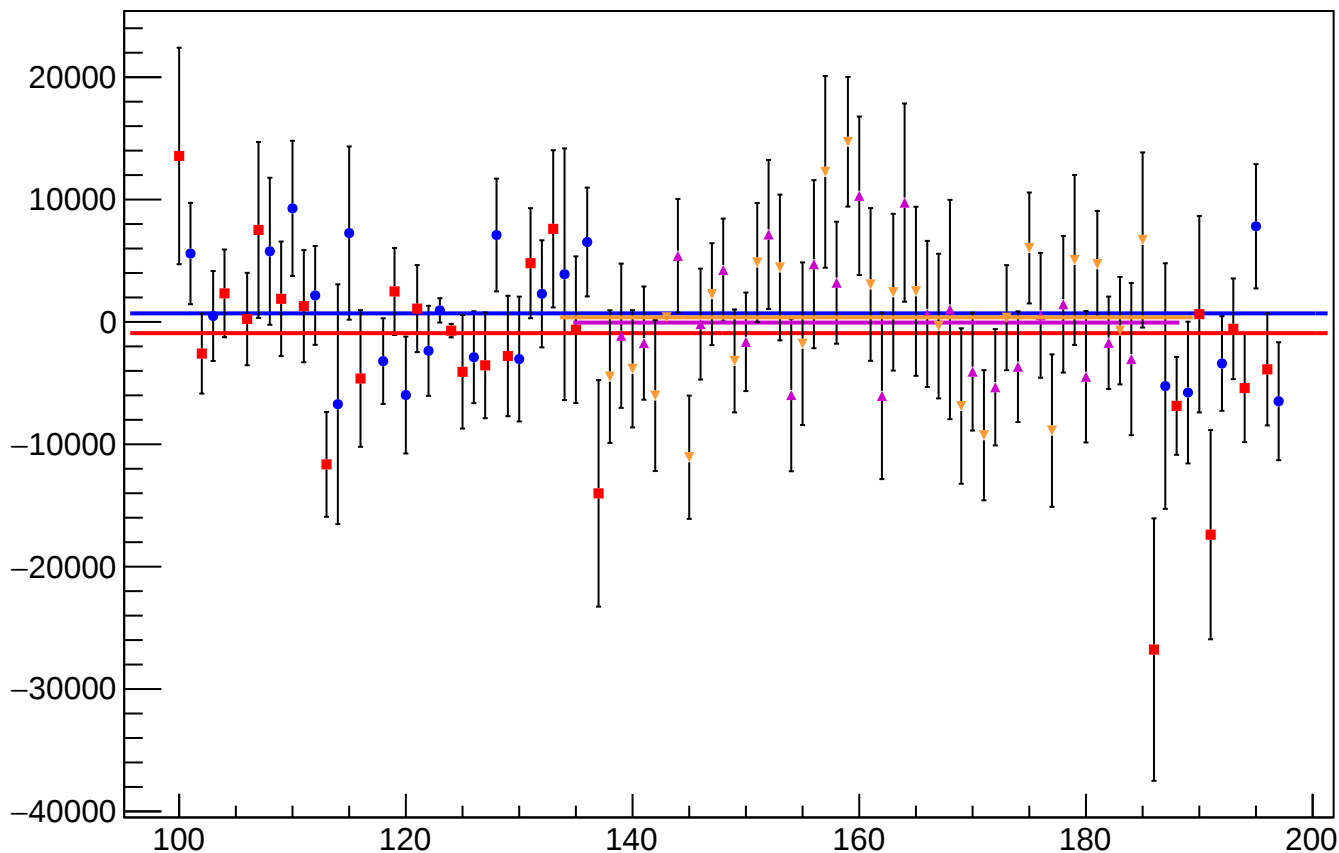
Left In: 1886.378+/-0.320 χ^2/NDF : 123520.6/22

+ sign 1856.791+/-0.251 χ^2/NDF : 1232809.0/46

All: 1847.076+/-0.175 χ^2/NDF : 1779359.1/95

- sign 1837.802+/-0.245 χ^2/NDF : 543613.2/48

asym_atr1l2_dd_correction_mean vs Slug



Right In: 698.397 ± 716.000 χ^2/NDF : 22.3/21

Left Out: 373.277 ± 382.071 χ^2/NDF : 30.8/24

Right Out: -917.212 ± 473.902 χ^2/NDF : 33.5/25

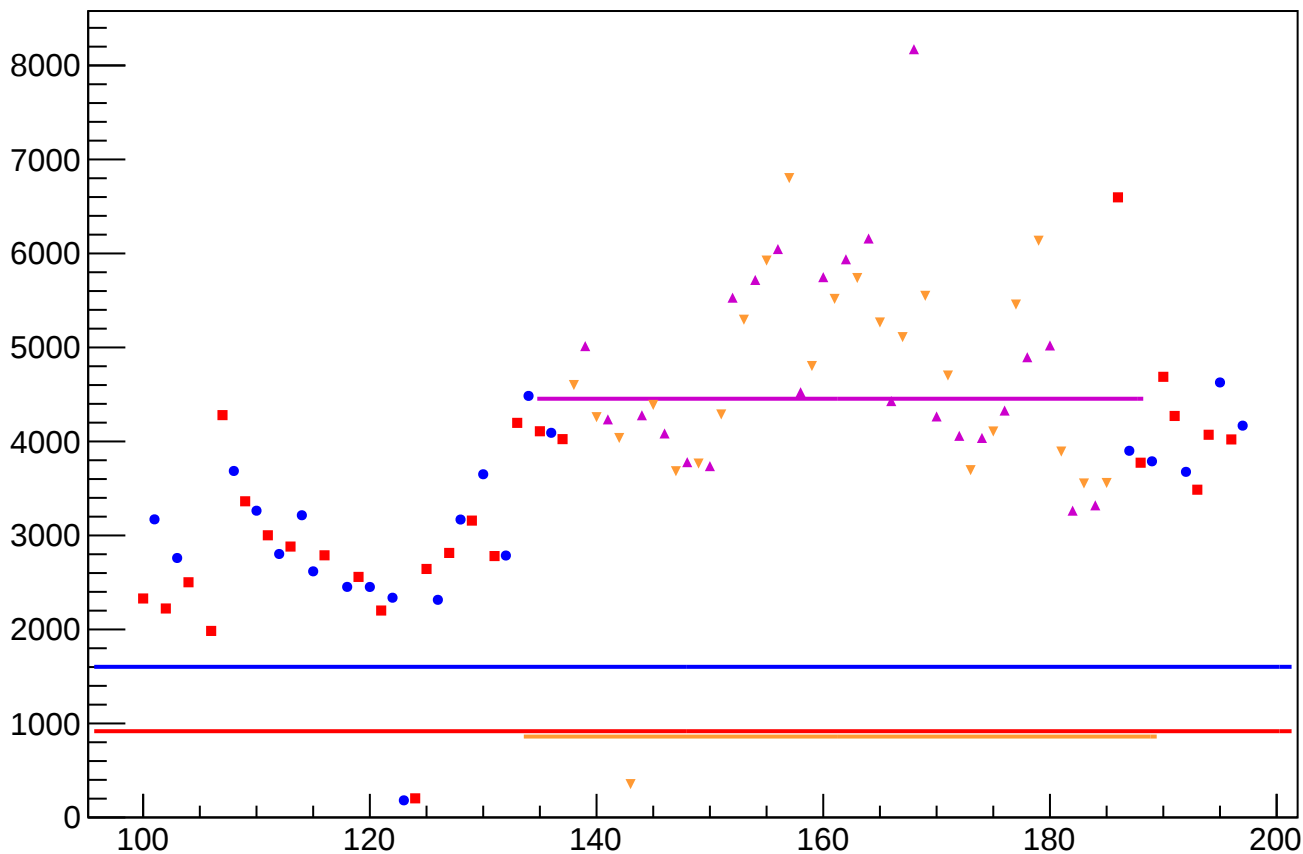
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 445.336 ± 337.082 χ^2/NDF : 53.3/46

All: -14.855 ± 266.354 χ^2/NDF : 106.8/95

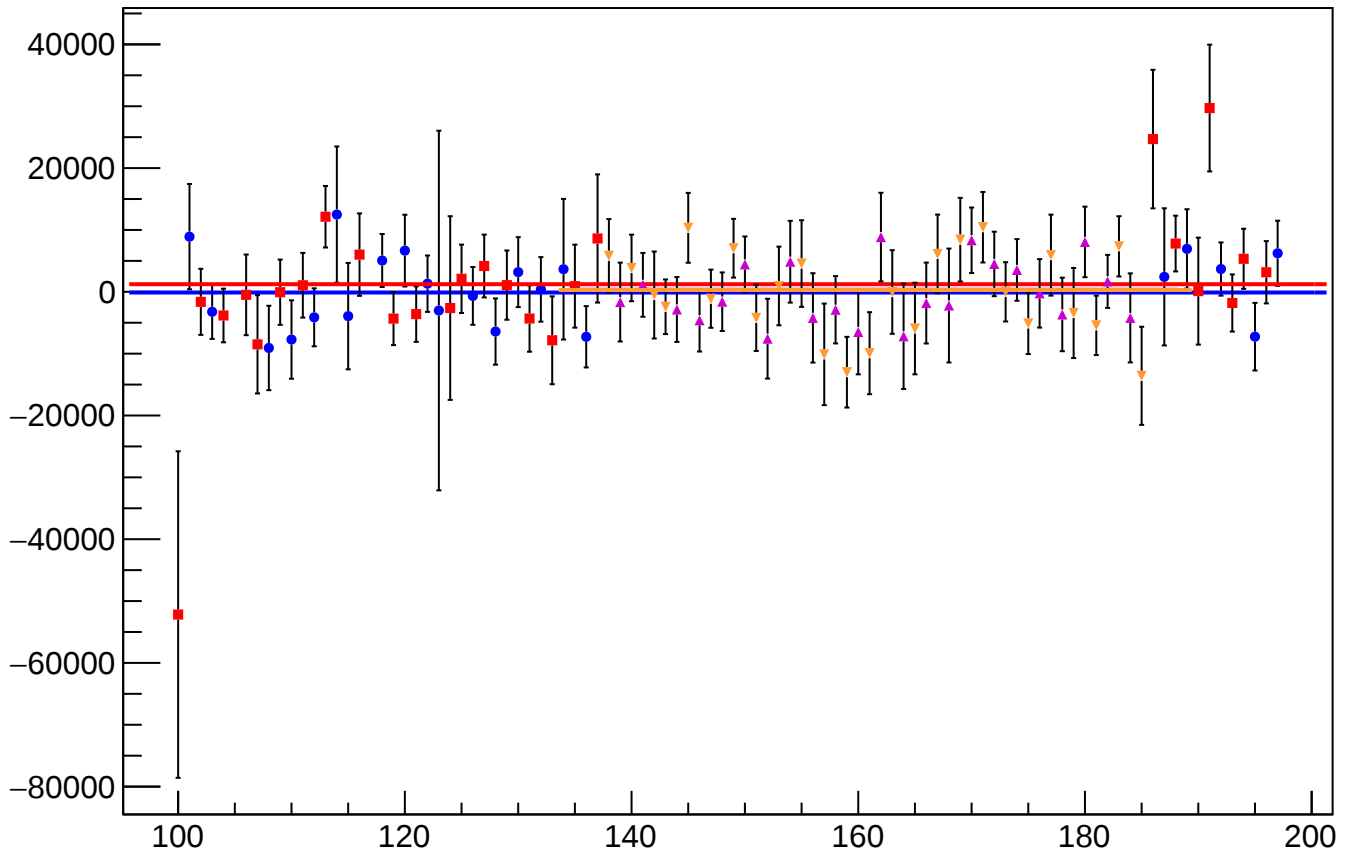
- sign -779.815 ± 434.596 χ^2/NDF : 48.6/48

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1602.437+/-0.506	χ^2/NDF : 9312146.9/21	+ sign 1024.977+/-0.238	χ^2/NDF : 37323596.9/46
Left Out: 860.545+/-0.270	χ^2/NDF : 26340106.5/24	All: 1195.865+/-0.188	χ^2/NDF : 72580719.9/5
Right Out: 917.555+/-0.335	χ^2/NDF : 14825853.9/25	- sign 1479.928+/-0.307	χ^2/NDF : 33888647.3/48
Left In: 4454.402+/-0.771	χ^2/NDF : 1349758.1/22		

asym_atr1l2_dd_mean vs Slug



Right In: -114.331 ± 1225.139 χ^2/NDF : 19.1/21

Left Out: 288.508 ± 1155.419 χ^2/NDF : 32.4/24

Right Out: 1227.287 ± 1138.676 χ^2/NDF : 34.7/25

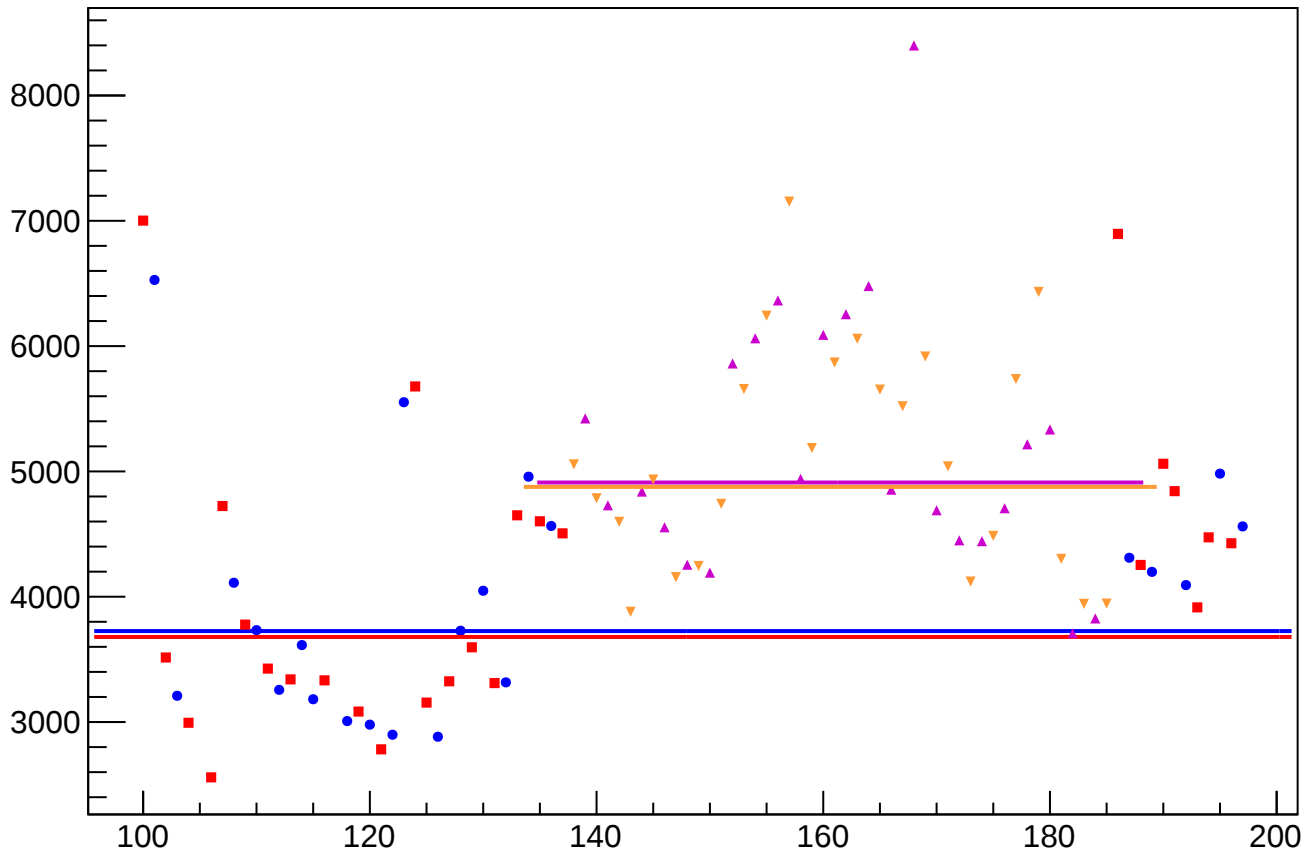
Left In: 332.488 ± 1196.011 χ^2/NDF : 14.7/22

+ sign 98.877 ± 840.572 χ^2/NDF : 51.6/46

All: 457.067 ± 588.679 χ^2/NDF : 101.6/95

- sign 801.849 ± 824.690 χ^2/NDF : 49.7/48

asym_atr1l2_dd_rms vs Slug



Right In: 3725.963+/-0.866 χ^2/NDF : 793723.9/21

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

Right Out: 3678.990+/-0.797 χ^2/NDF : 892044.6/25

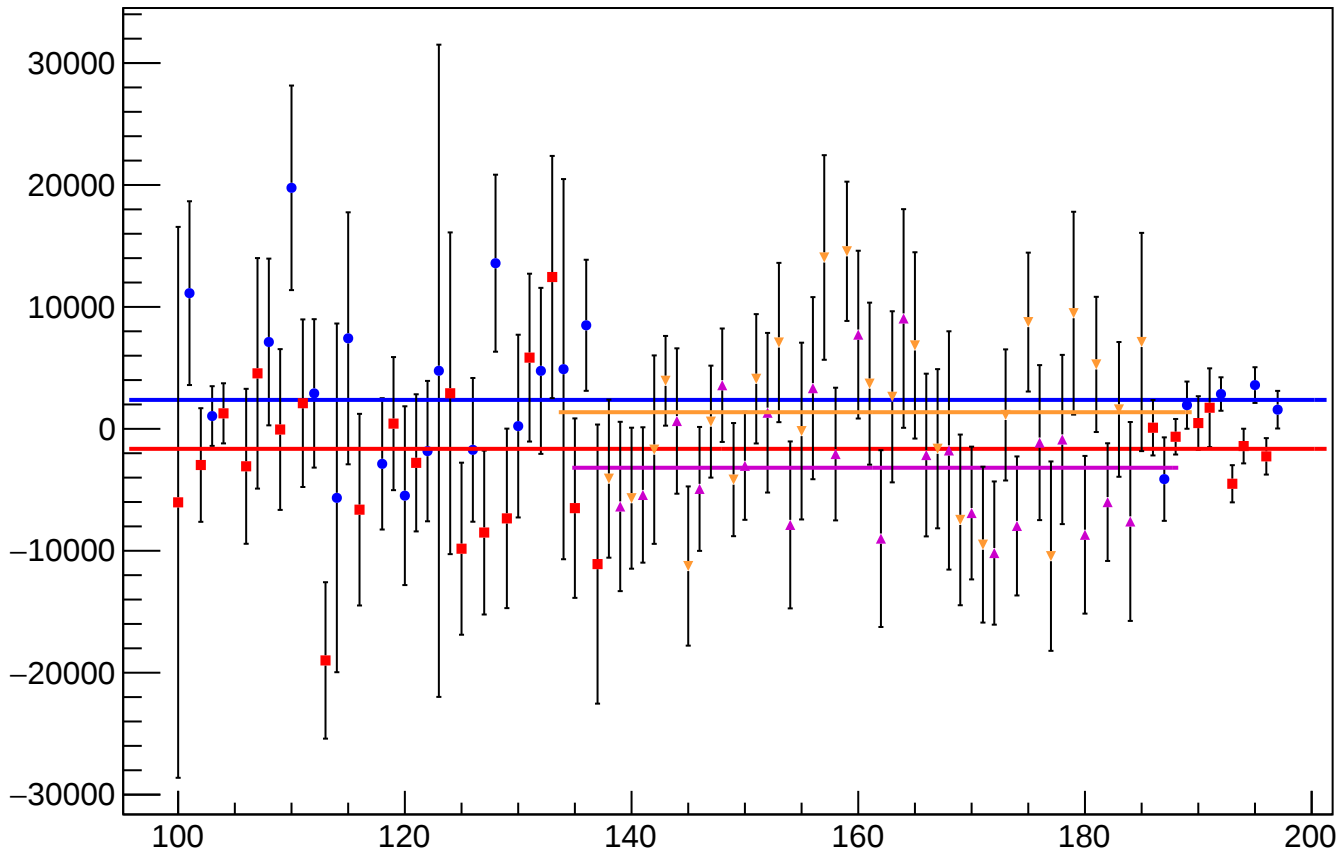
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4334.930+/-0.594 χ^2/NDF : 2699896.1/46

All: 4296.114+/-0.415 χ^2/NDF : 5767763.7/95

- sign 4259.126+/-0.580 χ^2/NDF : 3059538.8/48

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2374.042 $\pm$ 667.982 χ^2 /NDF: 18.7/21

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -1639.733 $\pm$ 591.185 χ^2 /NDF: 24.5/25

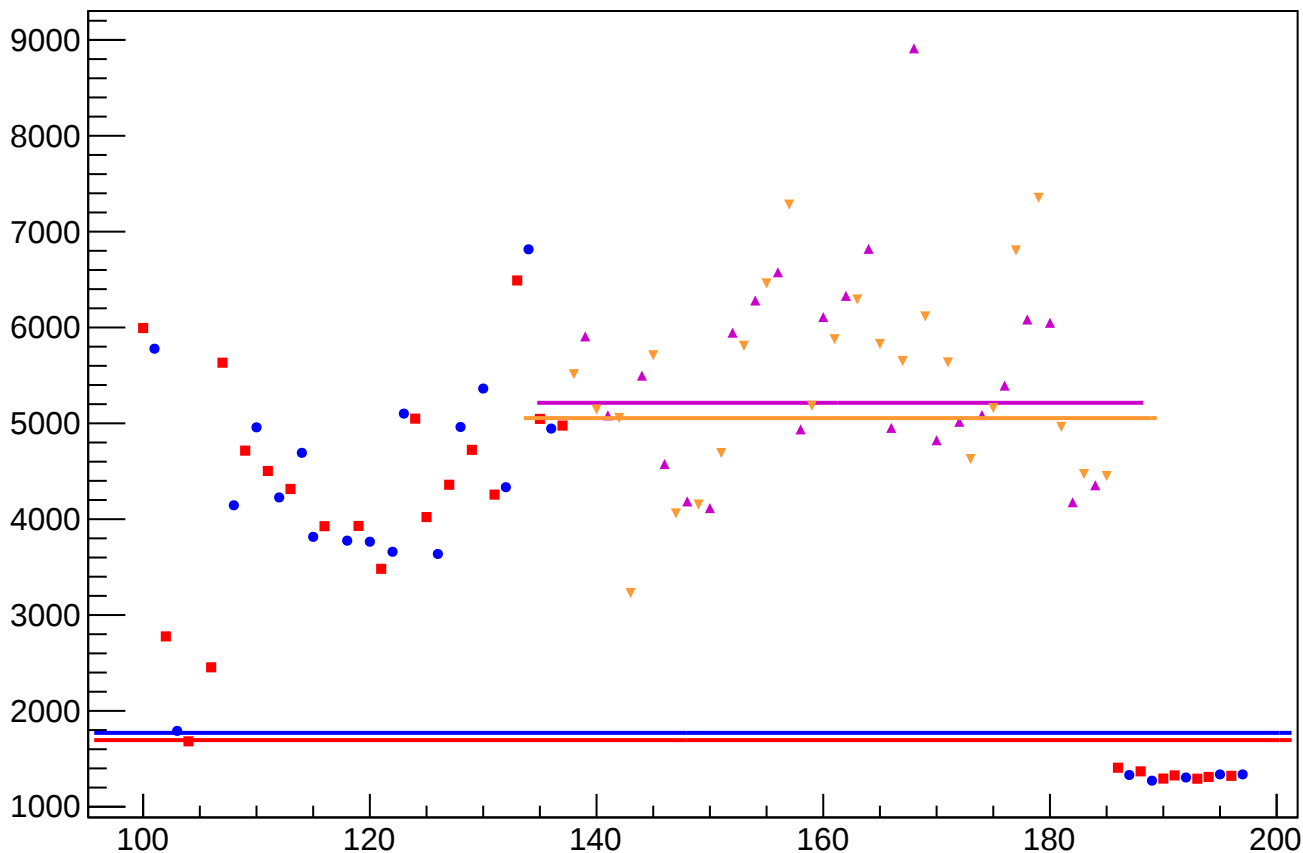
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 2137.256 $\pm$ 584.367 χ^2 /NDF: 47.2/46

All: -64.183 $\pm$ 394.988 χ^2 /NDF: 113.1/95

- sign -1916.032 $\pm$ 535.963 χ^2 /NDF: 39.7/48

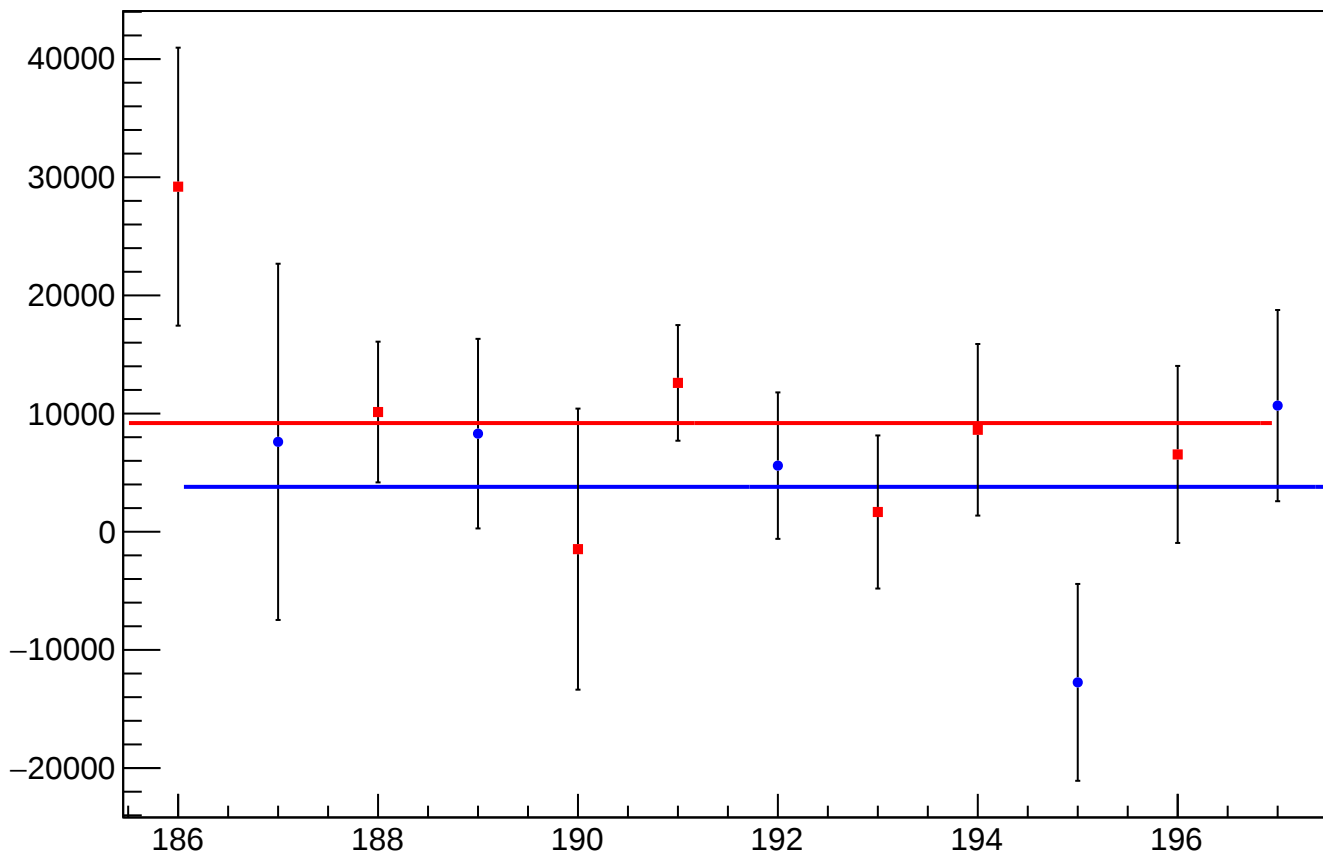
reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1770.775 $\pm$ 0.472 χ^2 /NDF: 5221238.9/21
 Left Out: 5054.711 $\pm$ 0.853 χ^2 /NDF: 1437224.7/24
 Right Out: 1695.076 $\pm$ 0.417 χ^2 /NDF: 5308905.2/25
 Left In: 5214.120 $\pm$ 0.898 χ^2 /NDF: 1052501.5/22

+ sign 2541.456 $\pm$ 0.413 χ^2 /NDF: 18002663.5/46
 All: 2421.053 $\pm$ 0.279 χ^2 /NDF: 37148404.2/9
 - sign 2320.051 $\pm$ 0.378 χ^2 /NDF: 18989610.8/48

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 3799.219+/-3635.351 χ^2/NDF : 5.1/4

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 9196.671+/-2627.266 χ^2/NDF : 5.7/6

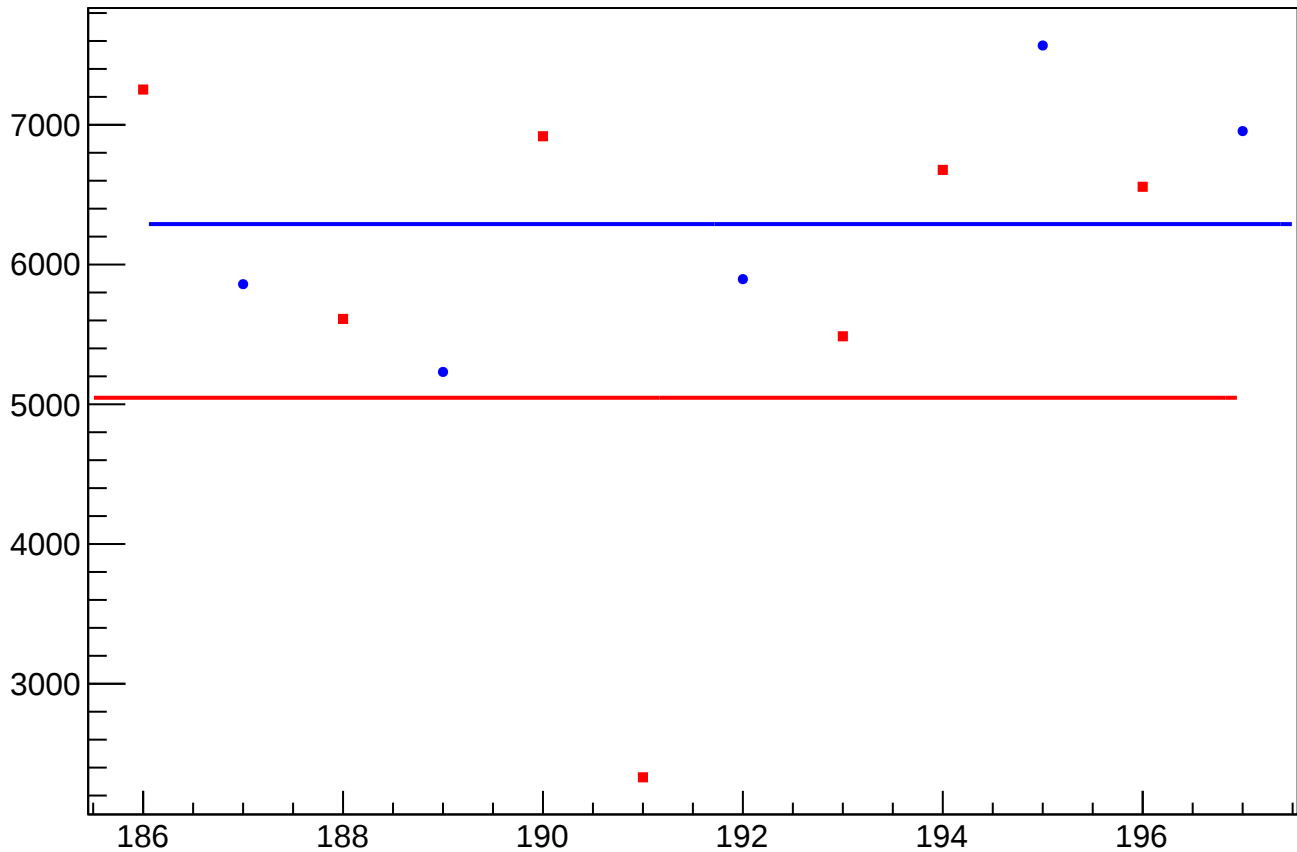
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 7344.822+/-2129.387 χ^2/NDF : 12.3/11

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 6289.592 $\pm$ 2.571 χ^2 /NDF: 105121.3/4

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 5046.749 $\pm$ 1.858 χ^2 /NDF: 945301.3/6

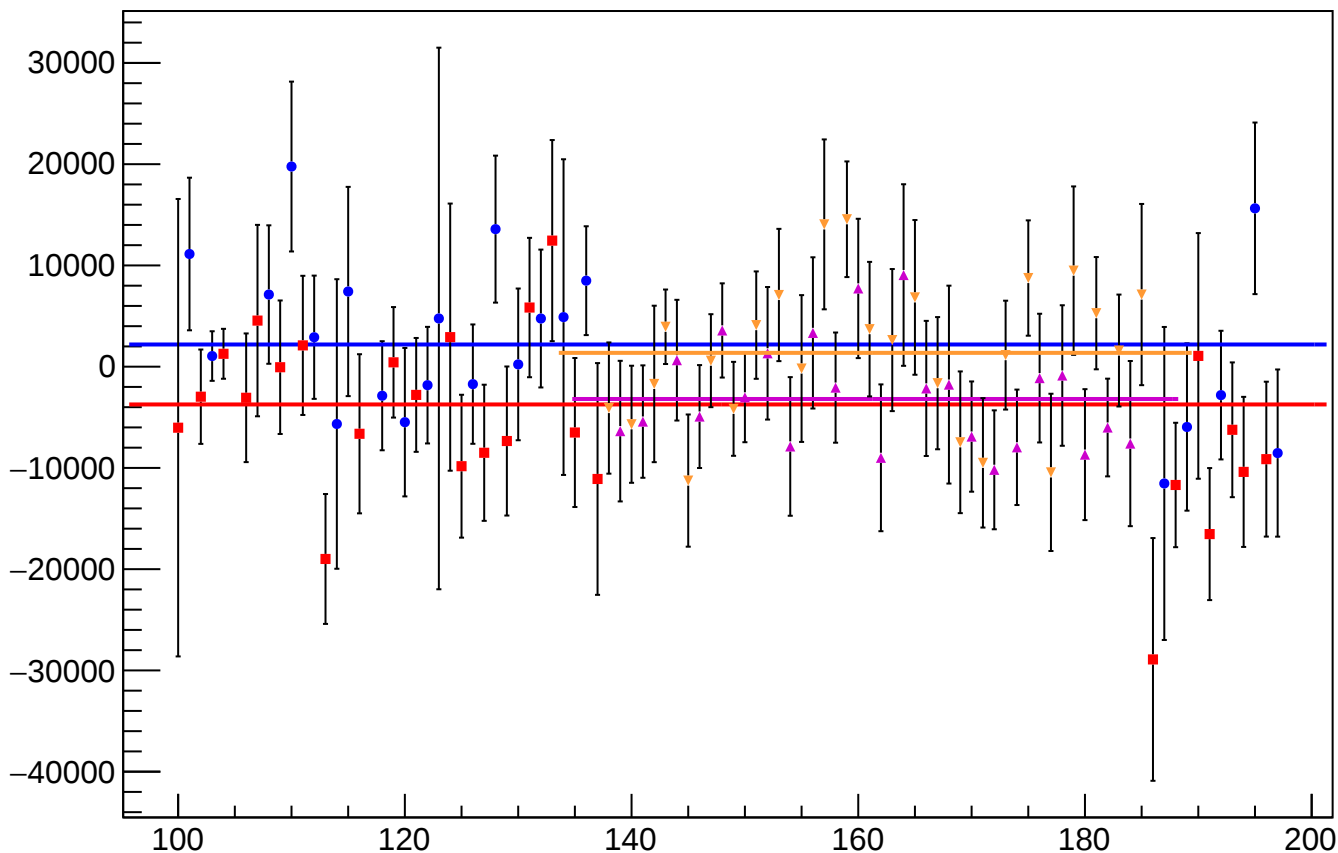
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 5473.164 $\pm$ 1.506 χ^2 /NDF: 1203980.1/11

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2191.173 $\pm$ 1355.877 χ^2 /NDF: 20.7/21

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -3730.677 $\pm$ 1246.357 χ^2 /NDF: 30.8/25

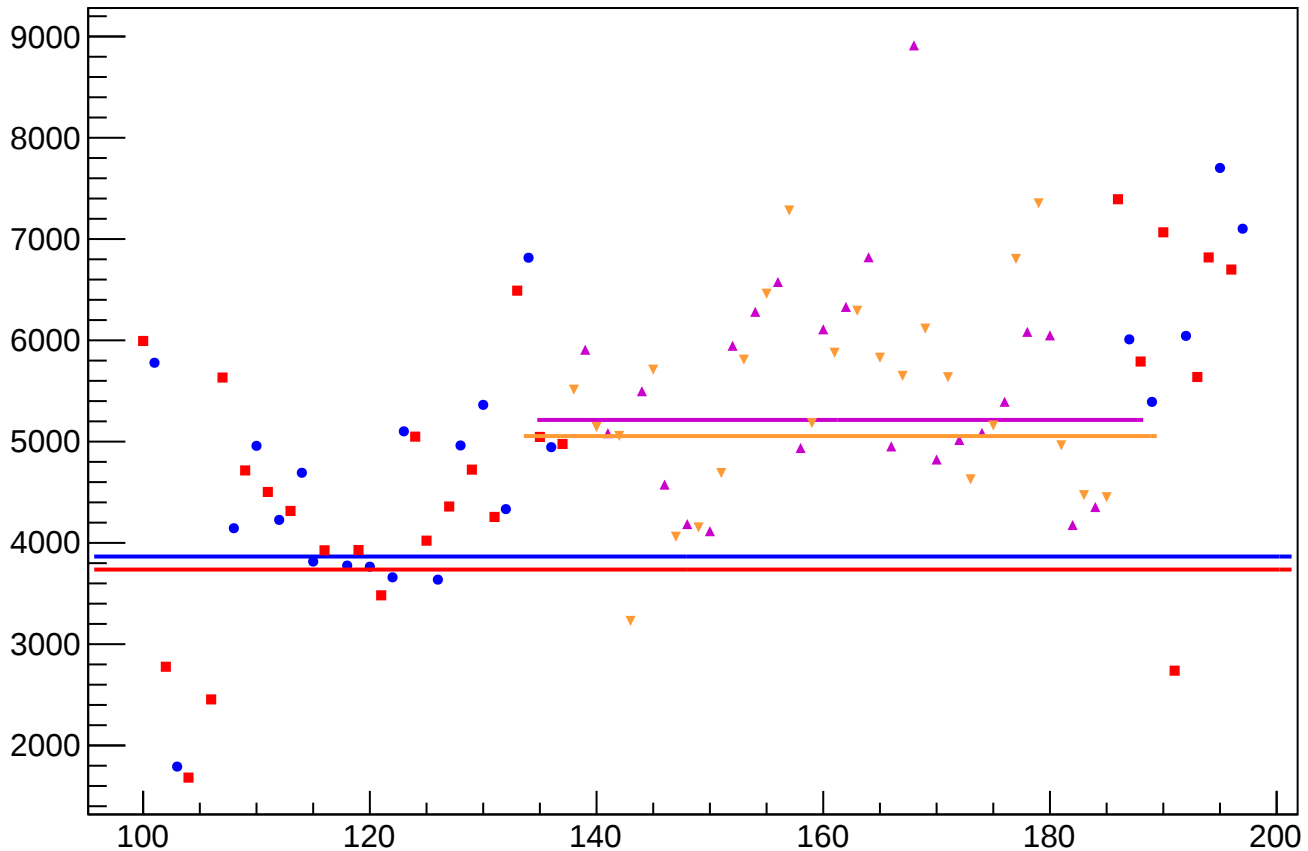
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 1730.054 $\pm$ 901.231 χ^2 /NDF: 48.9/46

All: -901.843 $\pm$ 633.099 χ^2 /NDF: 110.6/95

- sign -3465.991 $\pm$ 889.556 χ^2 /NDF: 44.9/48

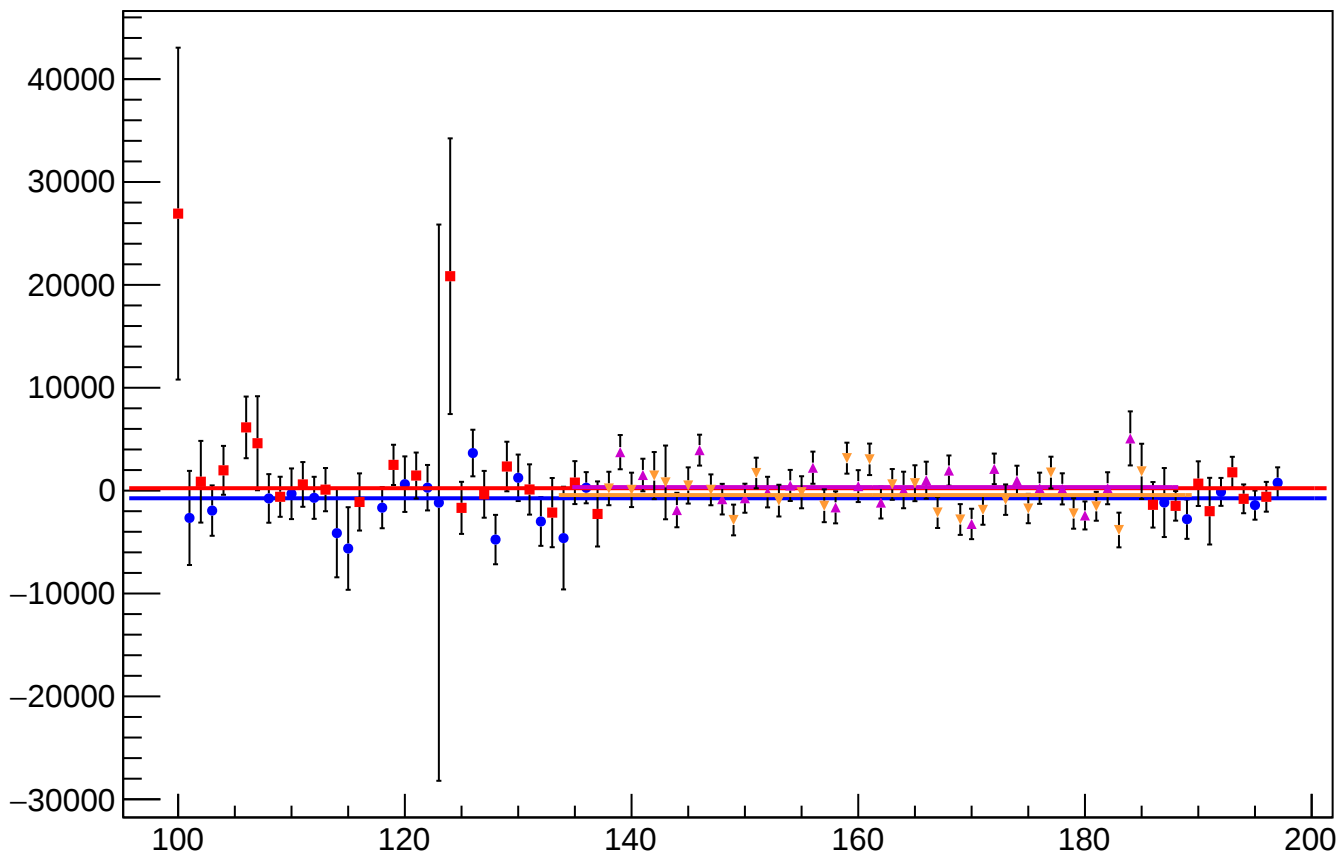
asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3865.404 $\pm$ 0.959 χ^2/NDF : 2972284.5/21
 Left Out: 5054.711 $\pm$ 0.853 χ^2/NDF : 1437224.7/24
 Right Out: 3736.723 $\pm$ 0.875 χ^2/NDF : 3524244.8/25
 Left In: 5214.120 $\pm$ 0.898 χ^2/NDF : 1052501.5/22

+ sign 4529.255 $\pm$ 0.637 χ^2/NDF : 5268469.8/46
 All: 4492.013 $\pm$ 0.447 χ^2/NDF : 11240736.8/9
 - sign 4456.004 $\pm$ 0.627 χ^2/NDF : 5965549.3/48

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -742.939 ± 467.402 χ^2/NDF : 15.1/21

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 235.441 ± 437.224 χ^2/NDF : 19.6/25

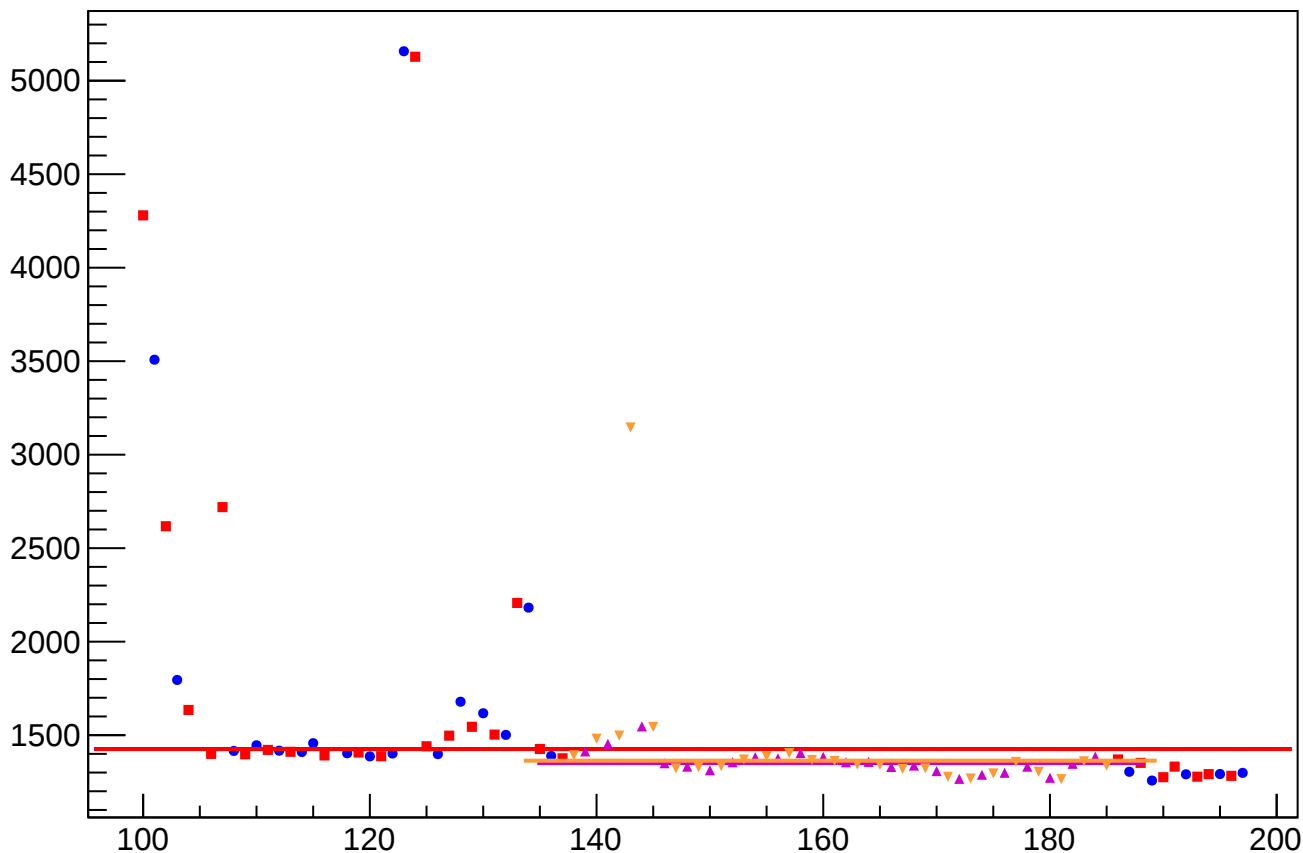
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -531.266 ± 264.349 χ^2/NDF : 48.5/46

All: -106.862 ± 185.550 χ^2/NDF : 106.9/95

- sign 305.292 ± 260.506 χ^2/NDF : 53.4/48

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1425.978 $\pm$ 0.331 χ^2 /NDF: 655507.4/21

Left Out: 1363.561 $\pm$ 0.227 χ^2 /NDF: 575226.6/24

Right Out: 1425.473 $\pm$ 0.309 χ^2 /NDF: 765442.6/25

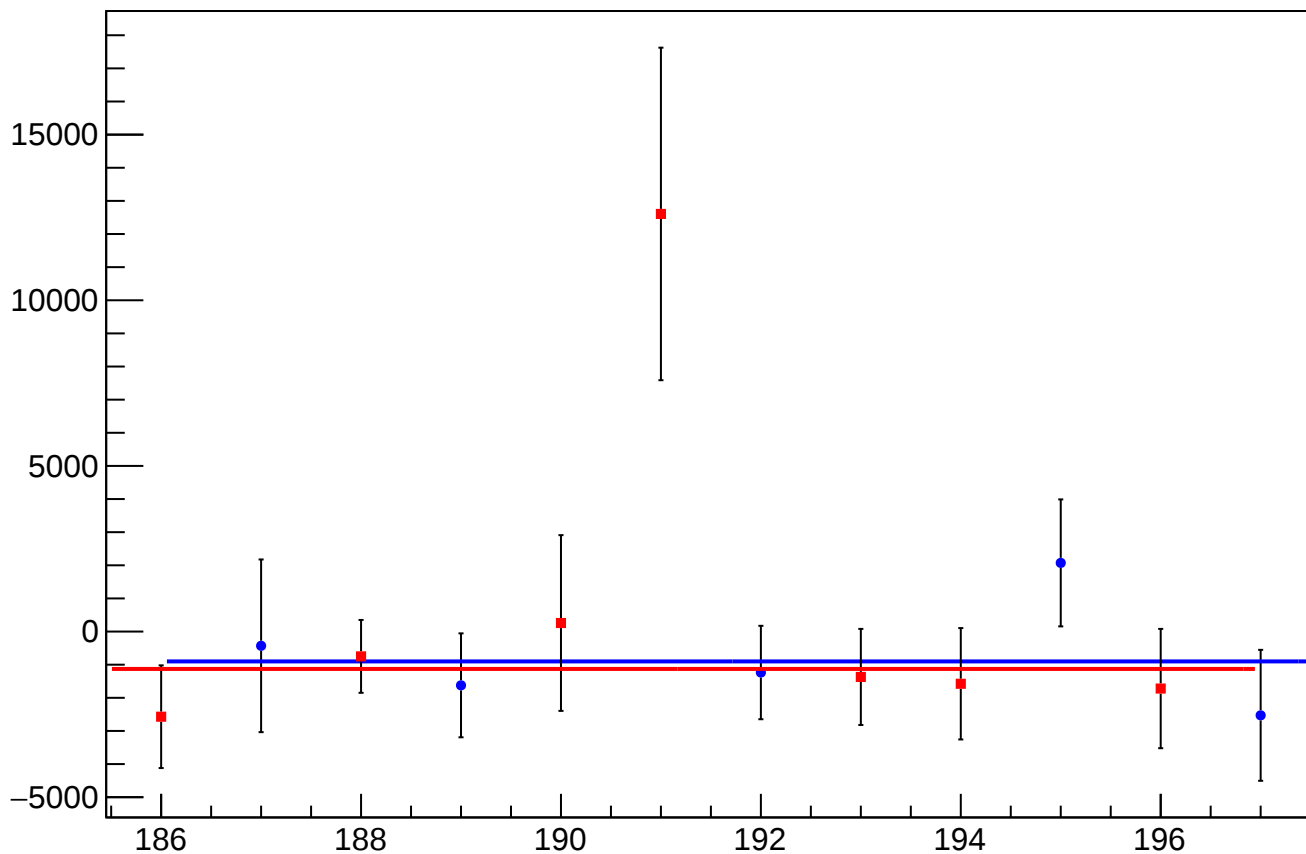
Left In: 1350.909 $\pm$ 0.229 χ^2 /NDF: 67144.5/22

+ sign 1383.527 $\pm$ 0.187 χ^2 /NDF: 1254991.4/46

All: 1380.408 $\pm$ 0.131 χ^2 /NDF: 2125645.2/95

- sign 1377.379 $\pm$ 0.184 χ^2 /NDF: 870105.1/48

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -901.006+/-794.294 χ^2/NDF : 3.4/4

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: -1128.405+/-624.653 χ^2/NDF : 9.0/6

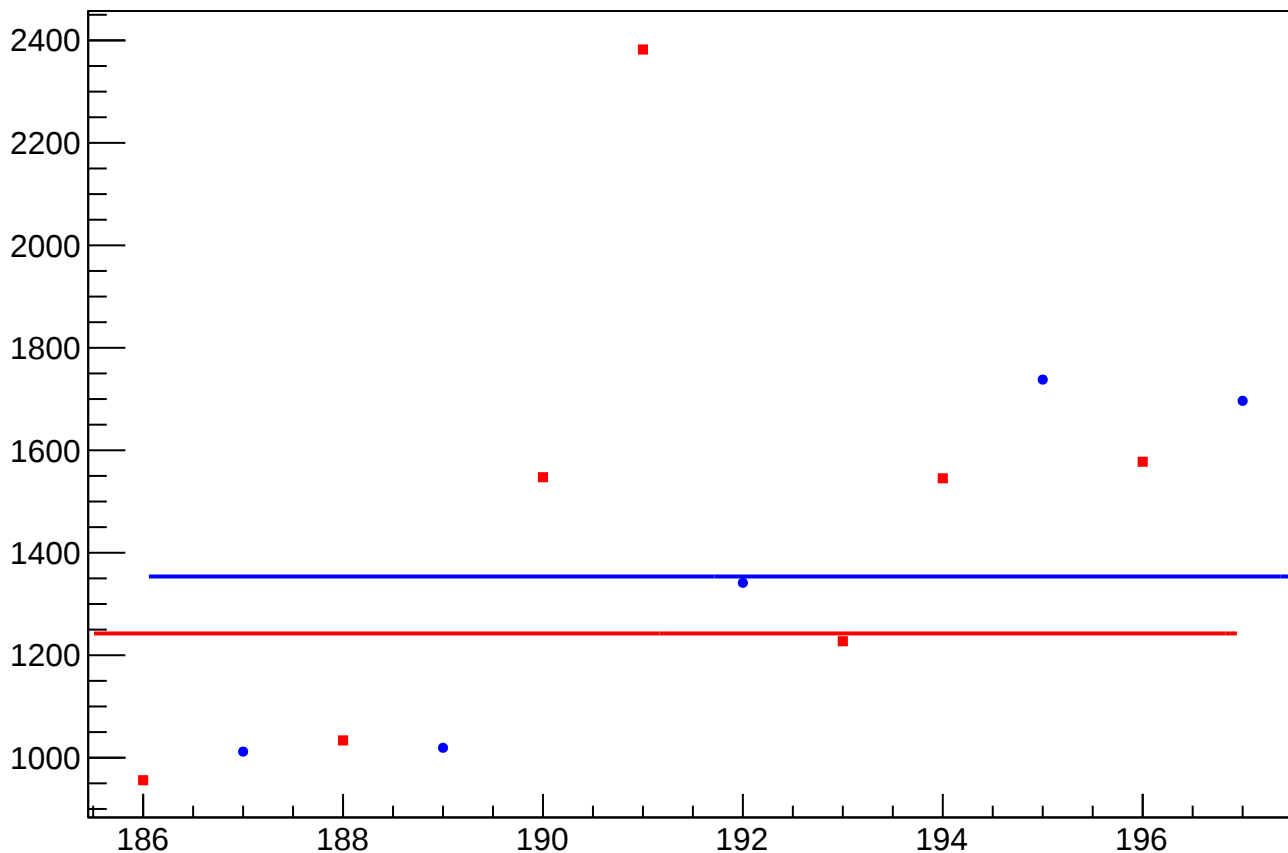
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1041.509+/-491.006 χ^2/NDF : 12.4/11

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1353.703+/-0.562 χ^2/NDF : 266008.2/4

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

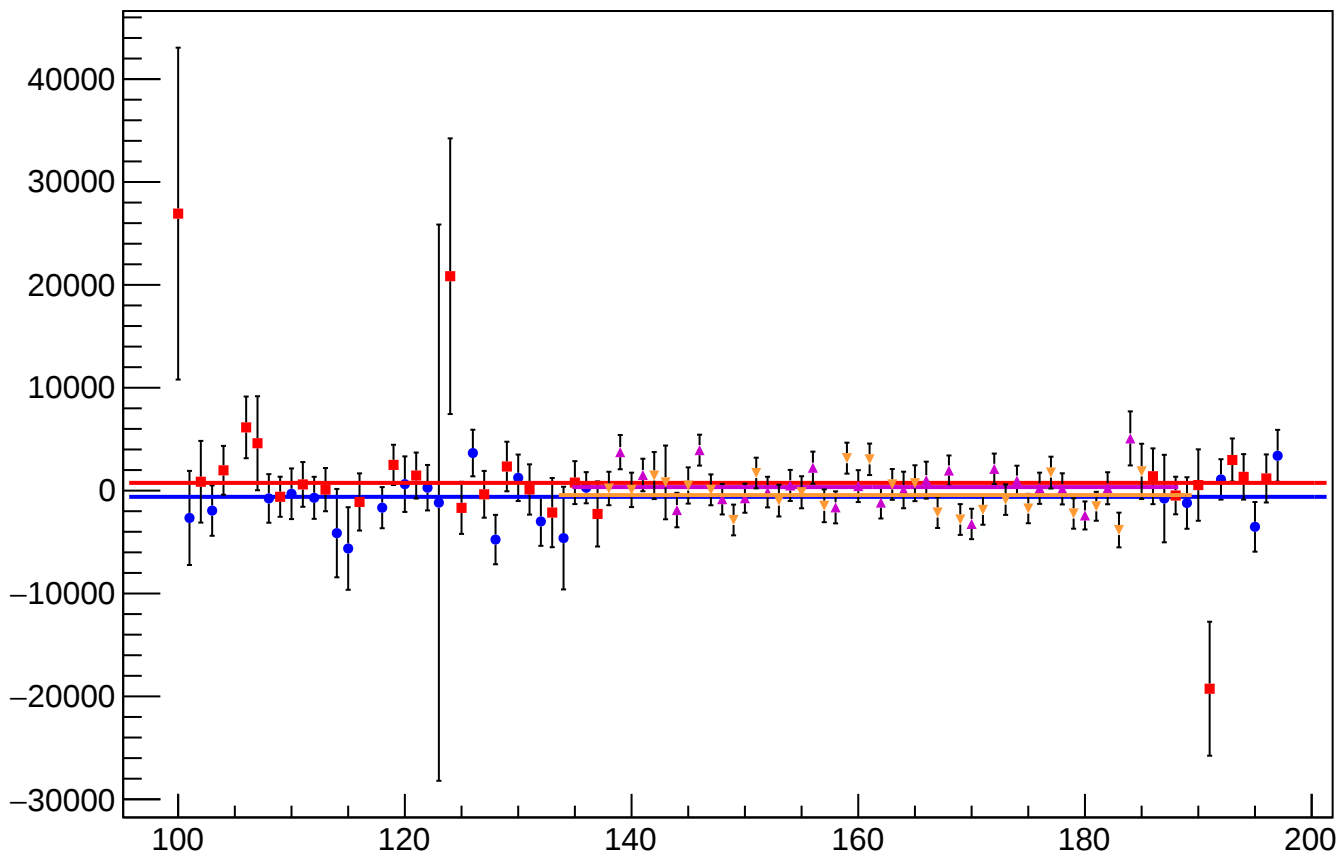
Right Out: 1242.503+/-0.442 χ^2/NDF : 404353.1/6

All: 1284.996+/-0.347 χ^2/NDF : 694581.5/11

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -603.974 ± 532.214 χ^2/NDF : 17.4/21

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 753.398 ± 502.034 χ^2/NDF : 25.5/25

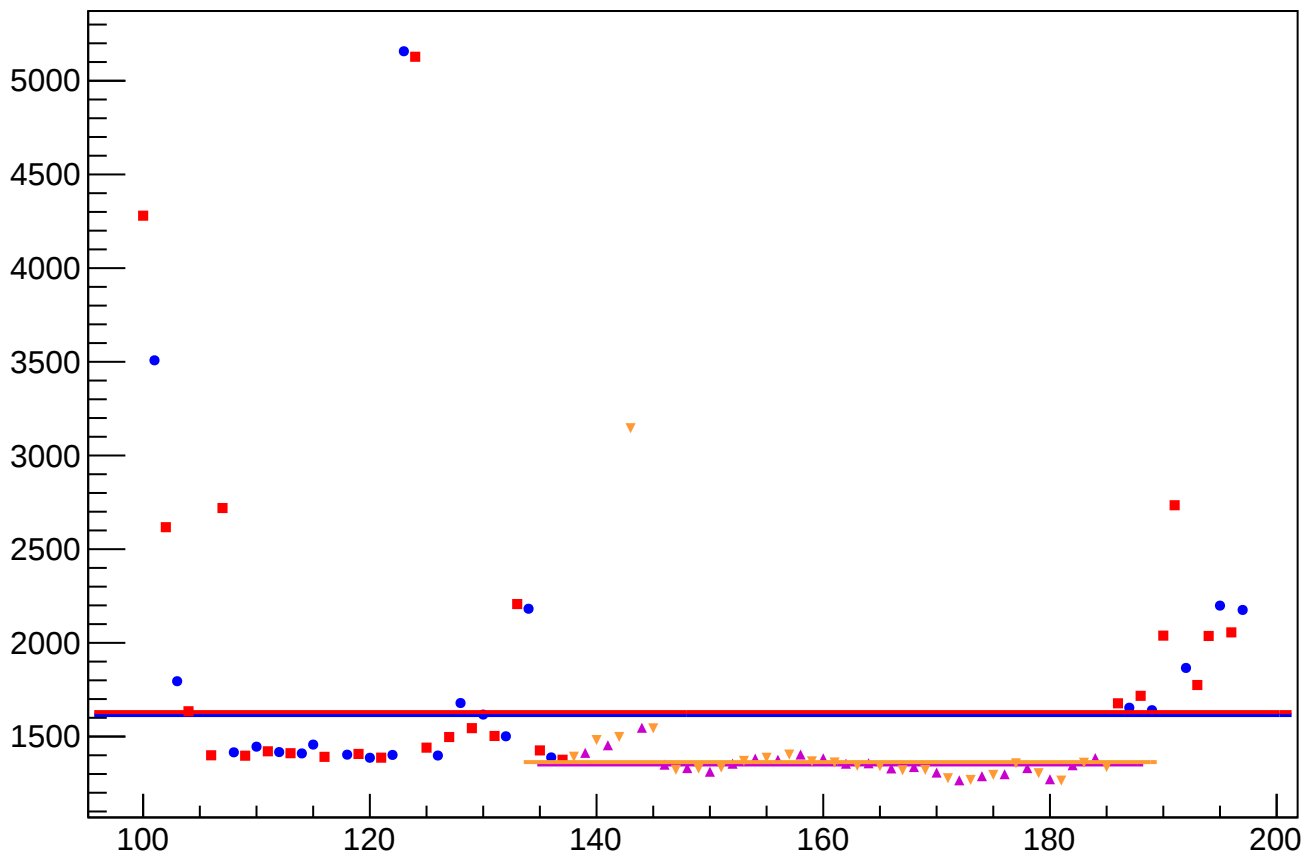
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -477.567 ± 274.585 χ^2/NDF : 50.5/46

All: -2.911 ± 193.401 χ^2/NDF : 116.2/95

- sign 464.387 ± 272.448 χ^2/NDF : 59.8/48

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1614.639+/-0.376 χ^2/NDF : 836935.1/21

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1630.424+/-0.355 χ^2/NDF : 923333.0/25

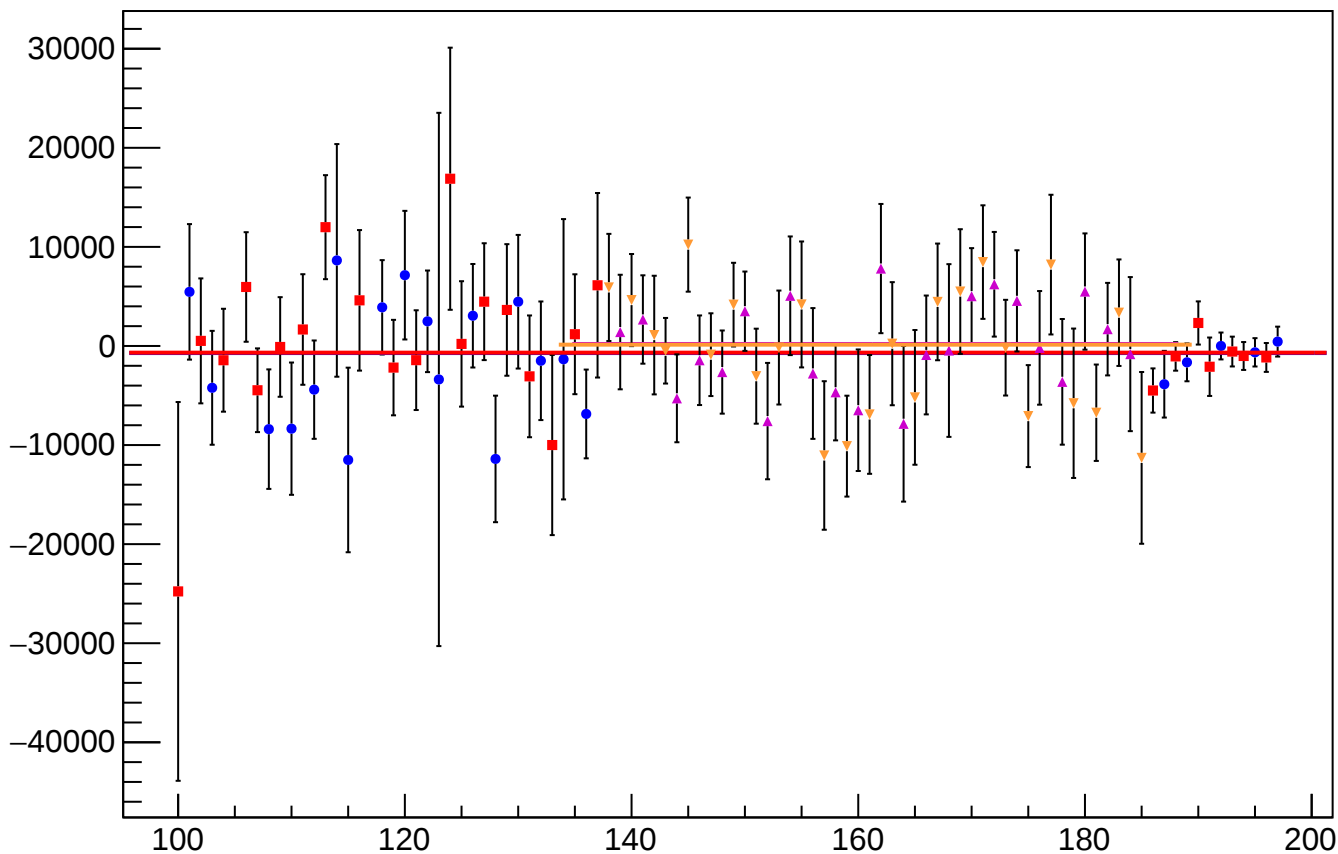
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1430.394+/-0.194 χ^2/NDF : 1738796.7/46

All: 1431.823+/-0.137 χ^2/NDF : 3166772.5/95

- sign 1433.230+/-0.193 χ^2/NDF : 1427868.3/48

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -714.409 ± 664.213 $\chi^2/\text{NDF}: 17.2/21$

Left Out: 132.142 ± 1065.543 $\chi^2/\text{NDF}: 28.1/24$

Right Out: -675.253 ± 582.225 $\chi^2/\text{NDF}: 20.7/25$

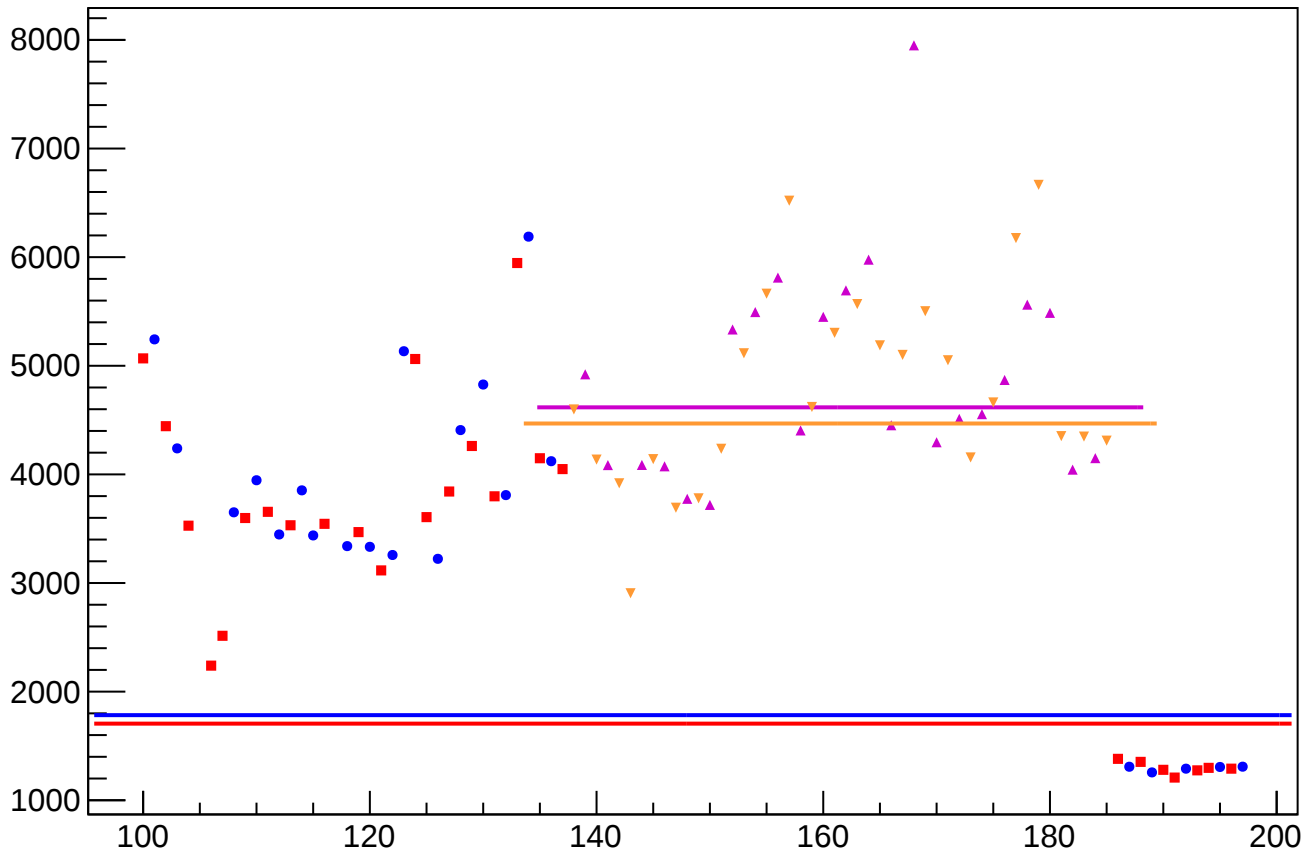
Left In: 200.182 ± 1123.499 $\chi^2/\text{NDF}: 14.7/22$

+ sign -477.513 ± 563.667 $\chi^2/\text{NDF}: 45.8/46$

All: -484.253 ± 380.980 $\chi^2/\text{NDF}: 81.7/95$

- sign -489.921 ± 516.935 $\chi^2/\text{NDF}: 35.9/48$

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1783.490+/-0.470 χ^2/NDF : 4893612.8/21

Left Out: 4468.520+/-0.753 χ^2/NDF : 1380601.0/24

Right Out: 1705.361+/-0.411 χ^2/NDF : 4888301.8/25

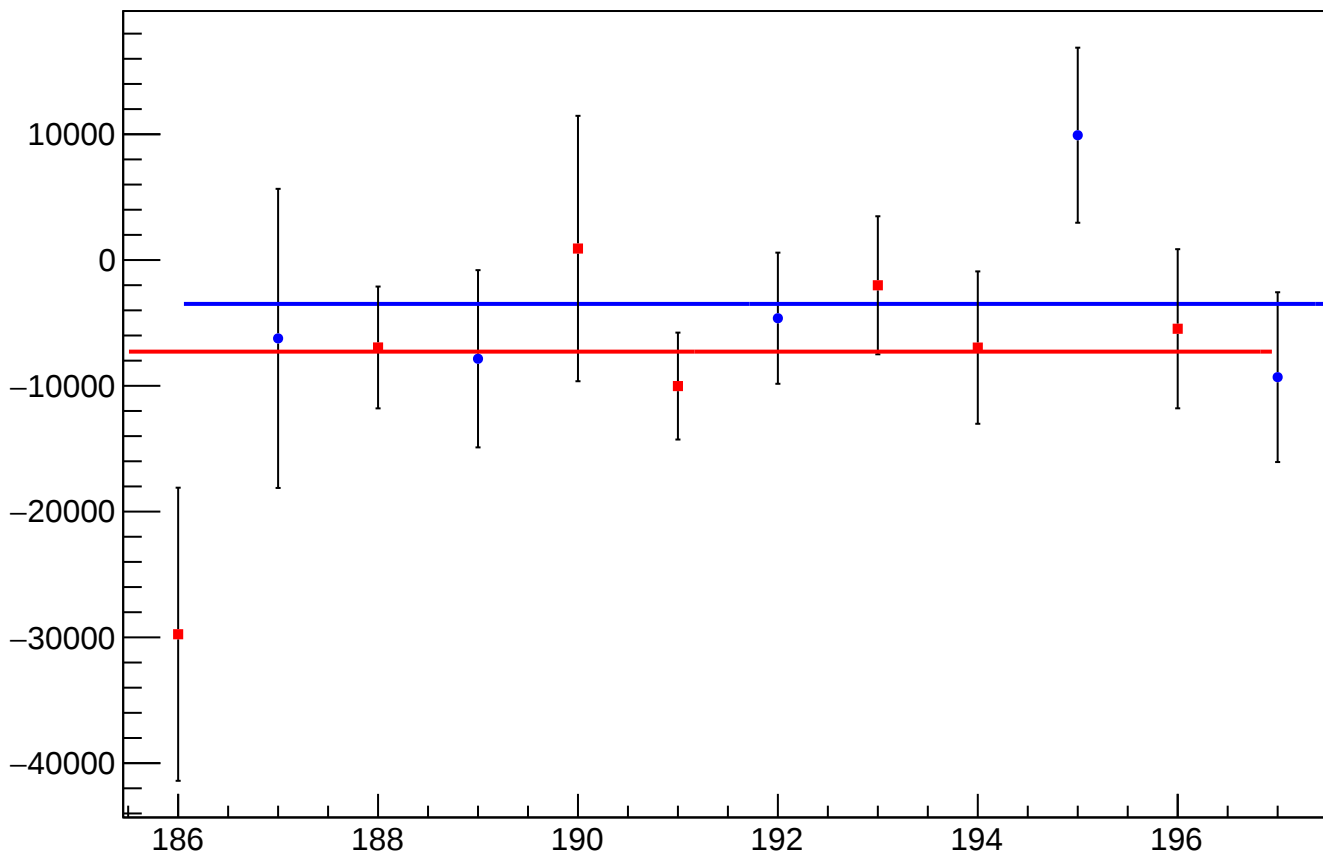
Left In: 4617.293+/-0.794 χ^2/NDF : 999599.8/22

+ sign 2534.853+/-0.399 χ^2/NDF : 15419951.5/46

All: 2418.140+/-0.269 χ^2/NDF : 32063886.2/9

- sign 2320.231+/-0.365 χ^2/NDF : 16486253.0/48

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -3487.993+/-3062.782 χ^2 /NDF: 4.9/4

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

Right Out: -7281.797+/-2237.138 χ^2 /NDF: 5.8/6

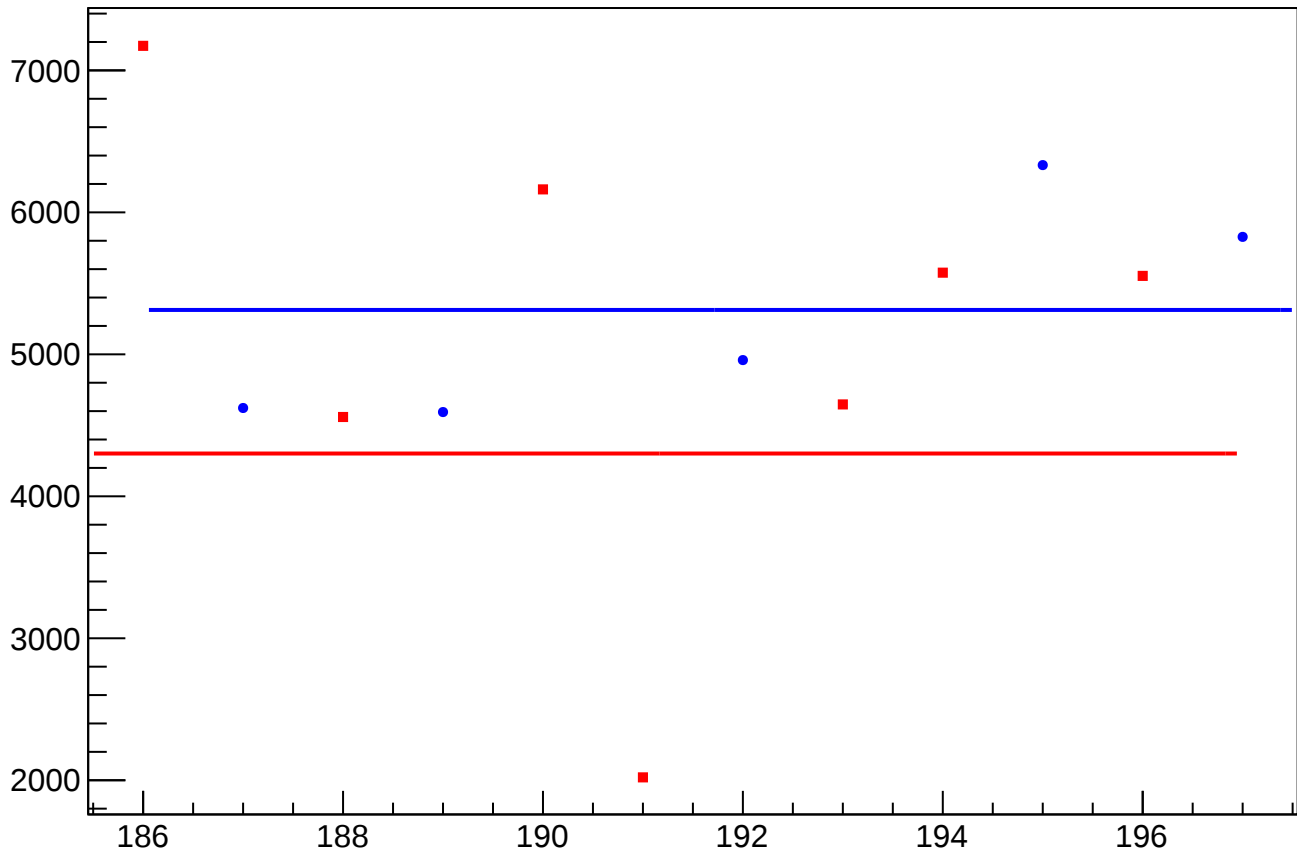
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: -5961.906+/-1806.540 χ^2 /NDF: 11.7/11

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5312.628+/-2.166 χ^2/NDF : 91364.8/4

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 4301.388+/-1.582 χ^2/NDF : 940102.6/6

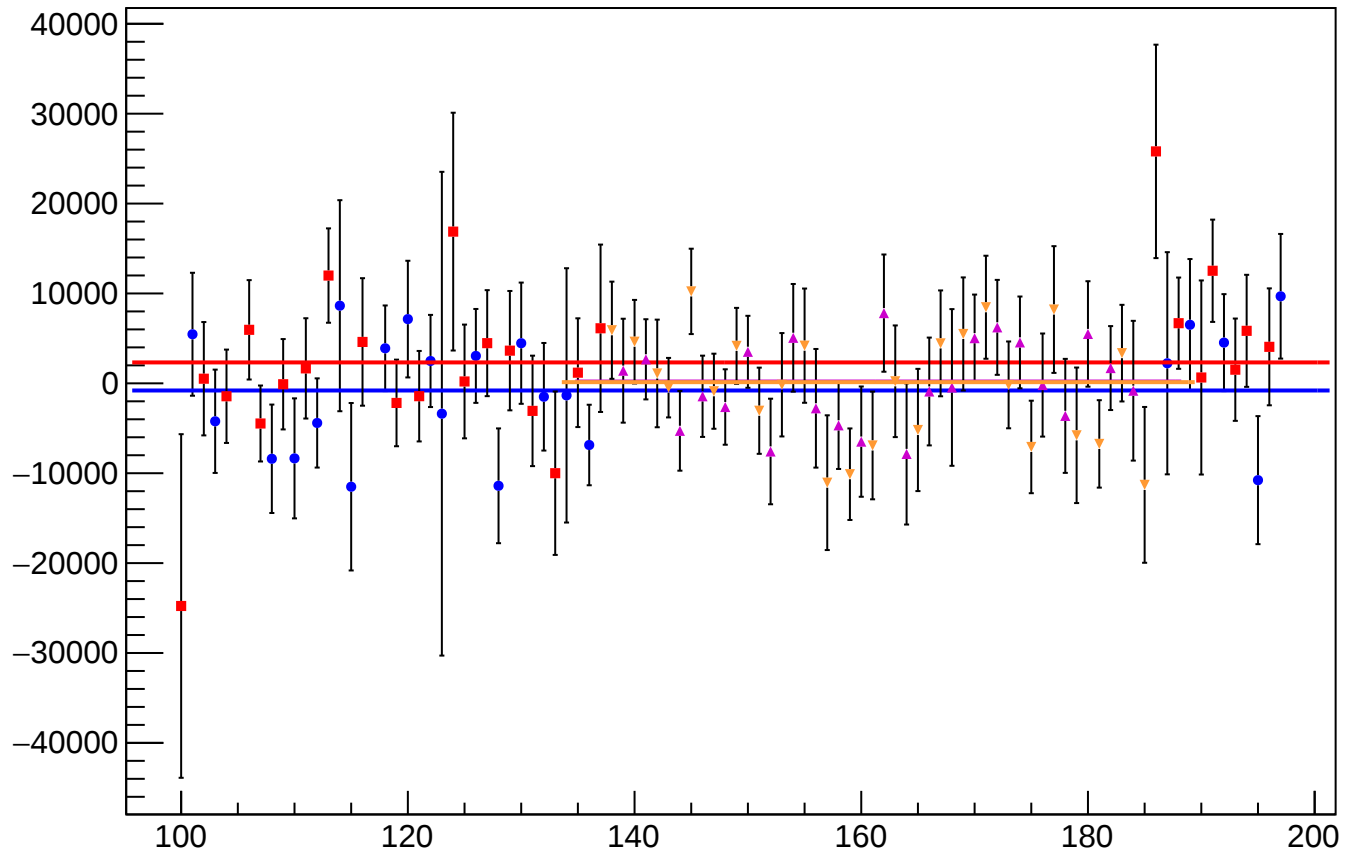
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4653.205+/-1.277 χ^2/NDF : 1173640.0/11

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -795.749 ± 1368.105 χ^2/NDF : 21.5/21

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: 2326.647 ± 1204.465 χ^2/NDF : 23.4/25

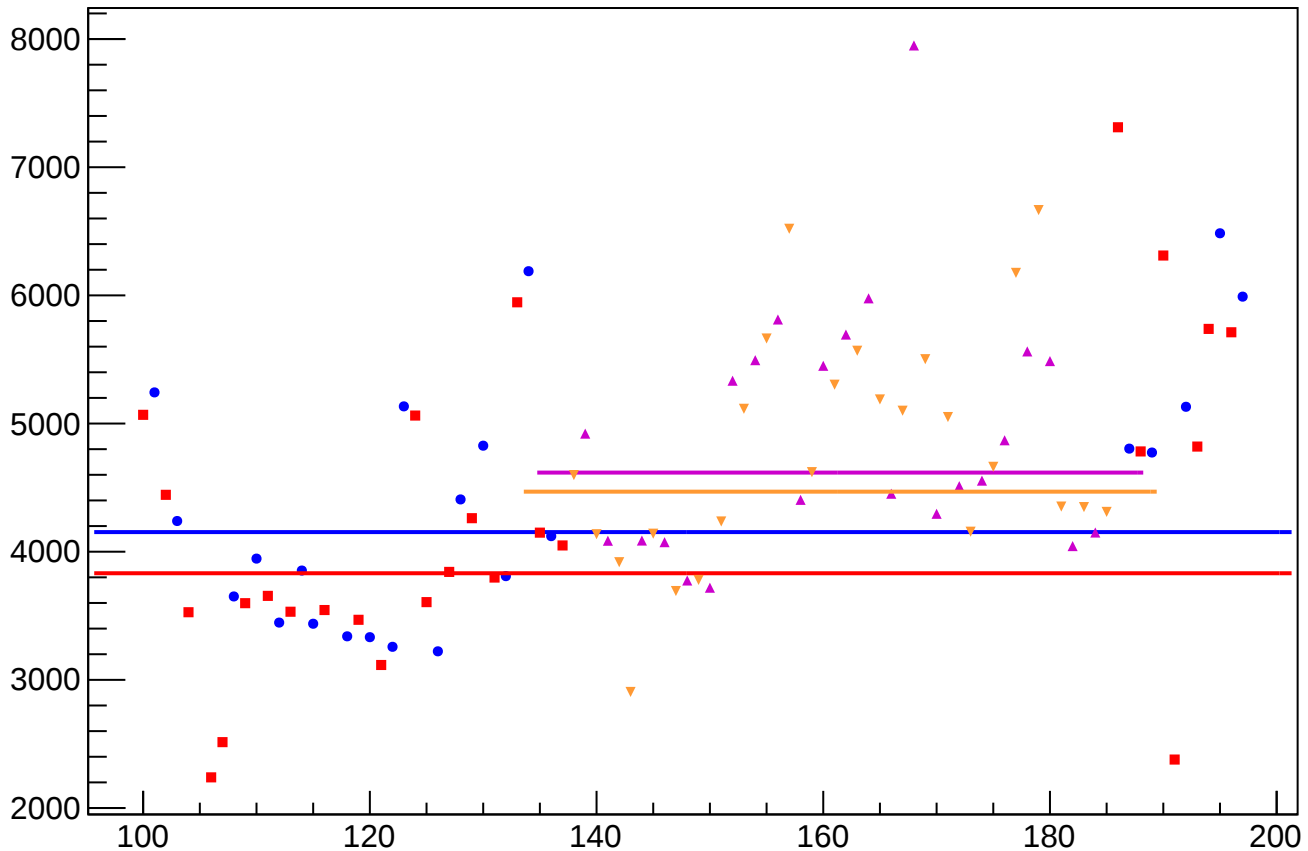
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -218.200 ± 840.653 χ^2/NDF : 49.9/46

All: 501.835 ± 587.567 χ^2/NDF : 91.1/95

- sign 1189.547 ± 821.567 χ^2/NDF : 39.8/48

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4152.999+/-0.967 χ^2/NDF : 849601.2/21

Left Out: 4468.520+/-0.753 χ^2/NDF : 1380601.0/24

Right Out: 3831.882+/-0.846 χ^2/NDF : 1547193.7/25

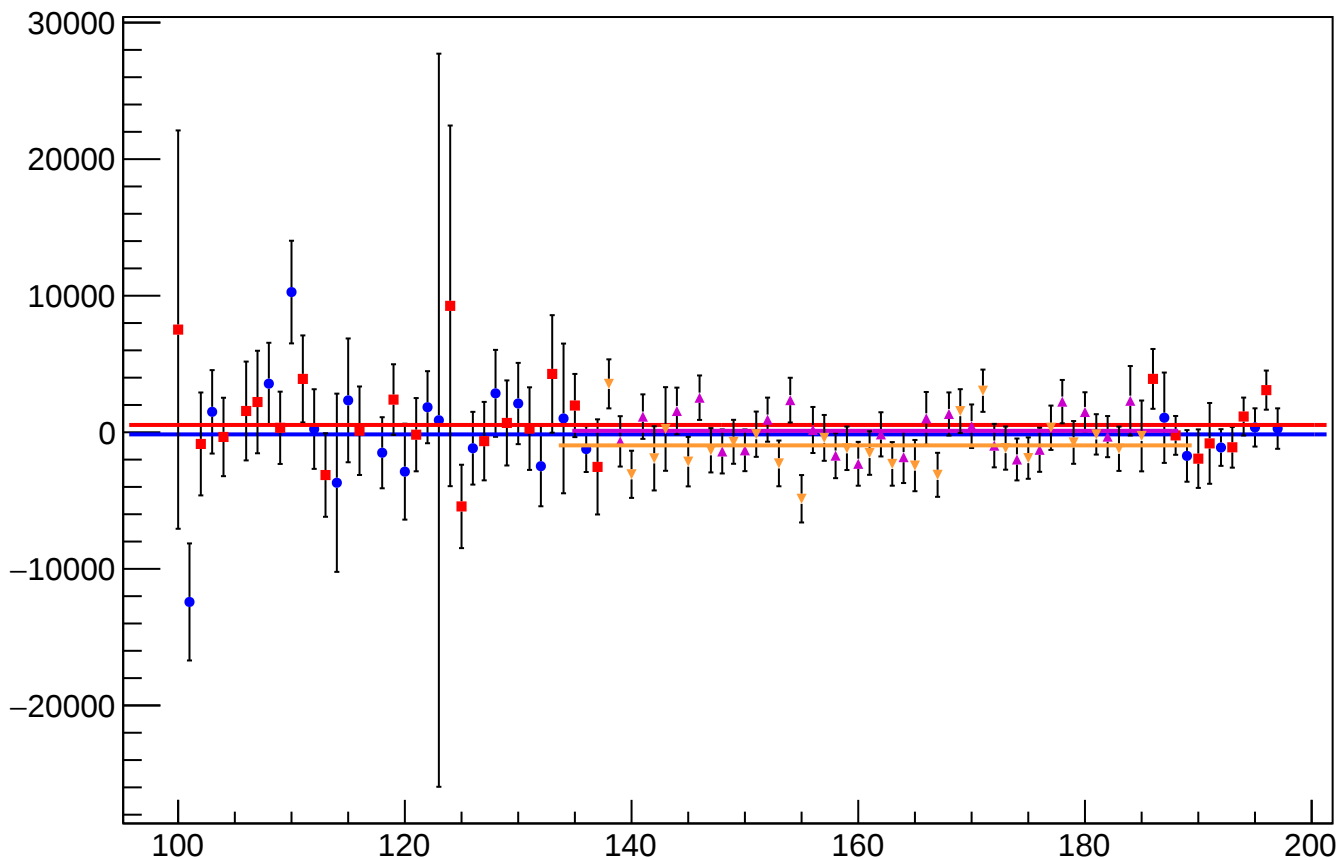
Left In: 4617.293+/-0.794 χ^2/NDF : 999599.8/22

+ sign 4349.386+/-0.594 χ^2/NDF : 2296416.4/46

All: 4297.949+/-0.415 χ^2/NDF : 5315954.4/95

- sign 4249.141+/-0.579 χ^2/NDF : 3004945.3/48

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -153.477+/-523.080 χ^2/NDF : 24.0/21

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 537.504+/-480.165 χ^2/NDF : 19.0/25

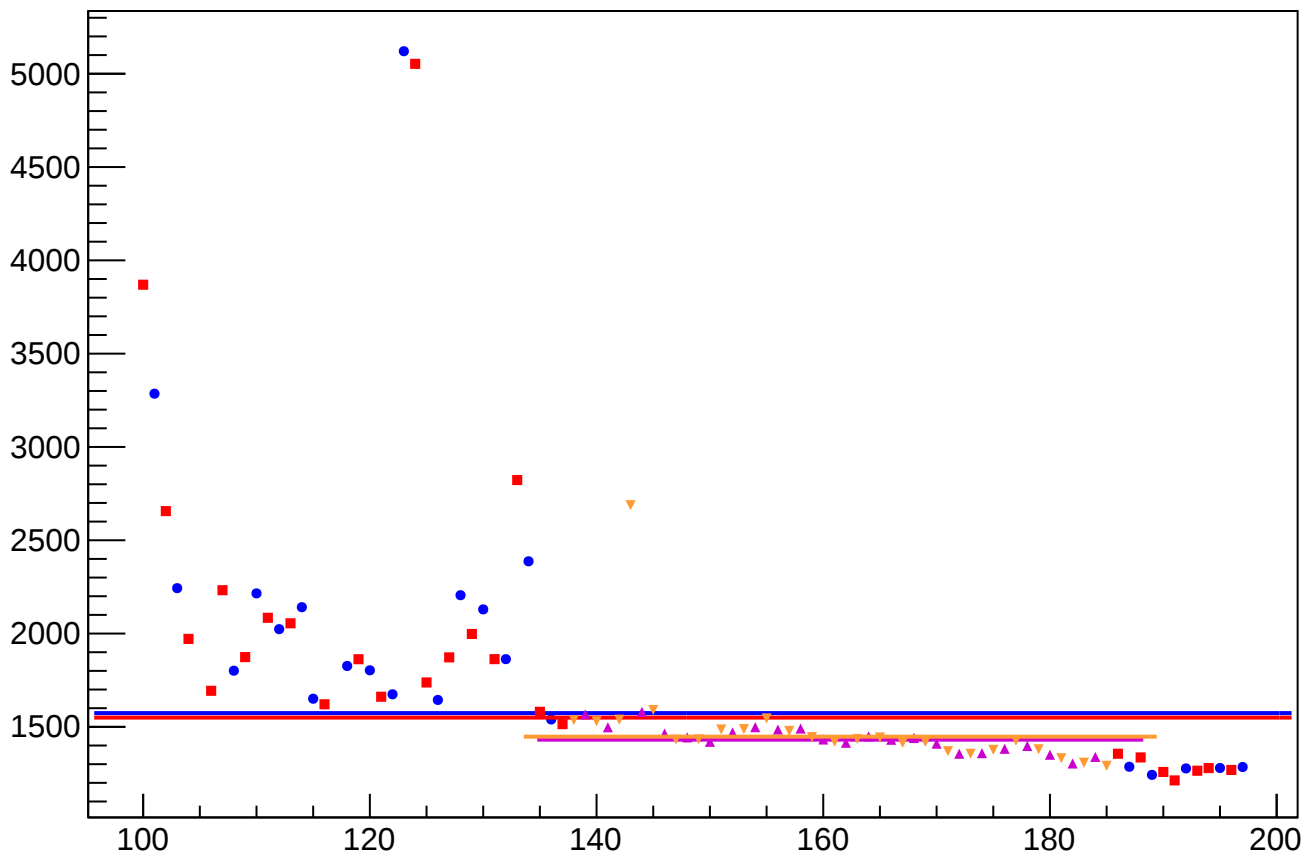
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -719.835+/-284.774 χ^2/NDF : 54.2/46

All: -224.172+/-199.461 χ^2/NDF : 99.2/95

- sign 253.165+/-279.460 χ^2/NDF : 39.0/48

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1573.752 $\pm$ 0.370 χ^2 /NDF: 1165973.4/21

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1549.652 $\pm$ 0.340 χ^2 /NDF: 1271568.8/25

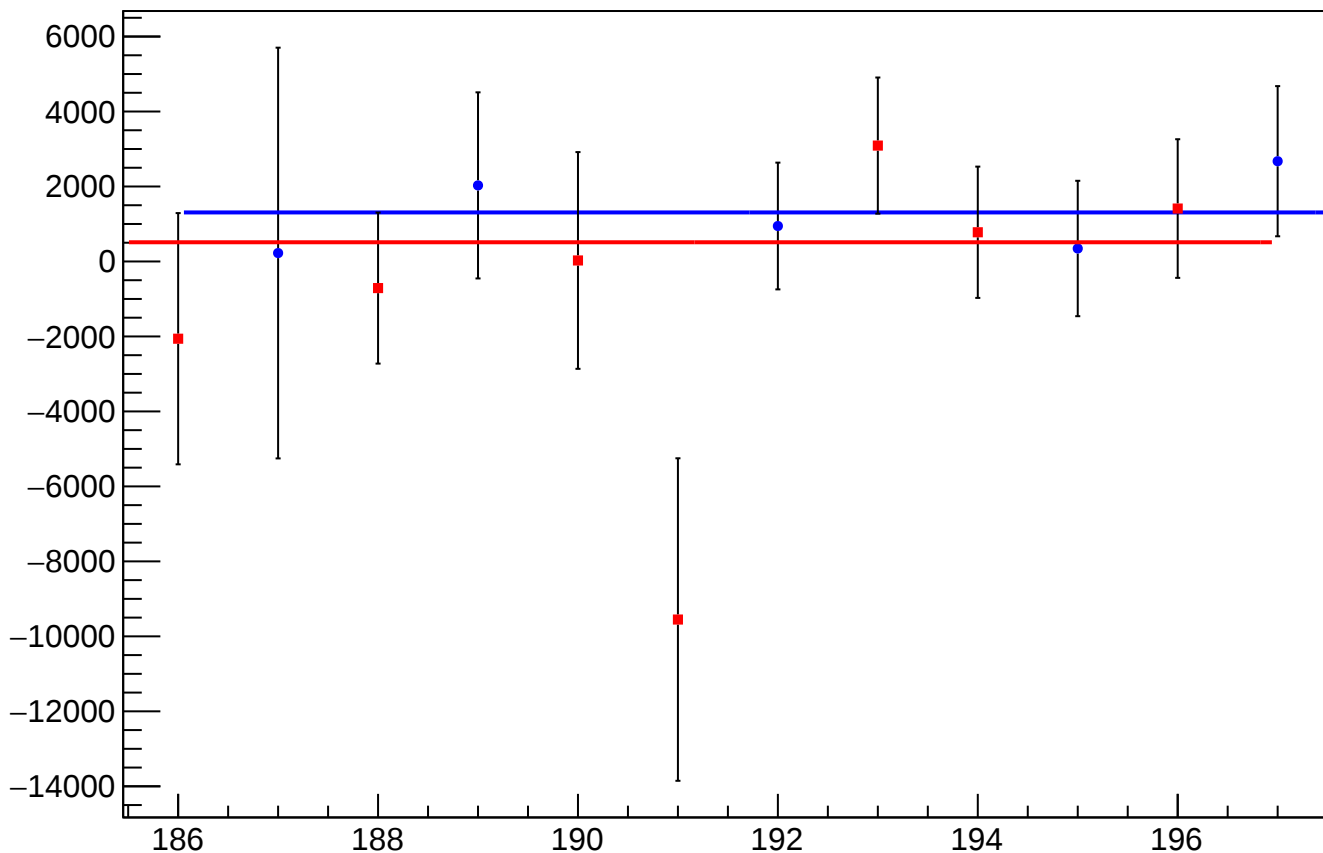
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1484.958 $\pm$ 0.201 χ^2 /NDF: 1667136.0/46

All: 1478.099 $\pm$ 0.141 χ^2 /NDF: 3096251.4/95

- sign 1471.493 $\pm$ 0.198 χ^2 /NDF: 1426837.6/48

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1307.982 $\pm$ 952.831 χ^2 /NDF: 0.9/4

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 512.293 $\pm$ 835.935 χ^2 /NDF: 8.7/6

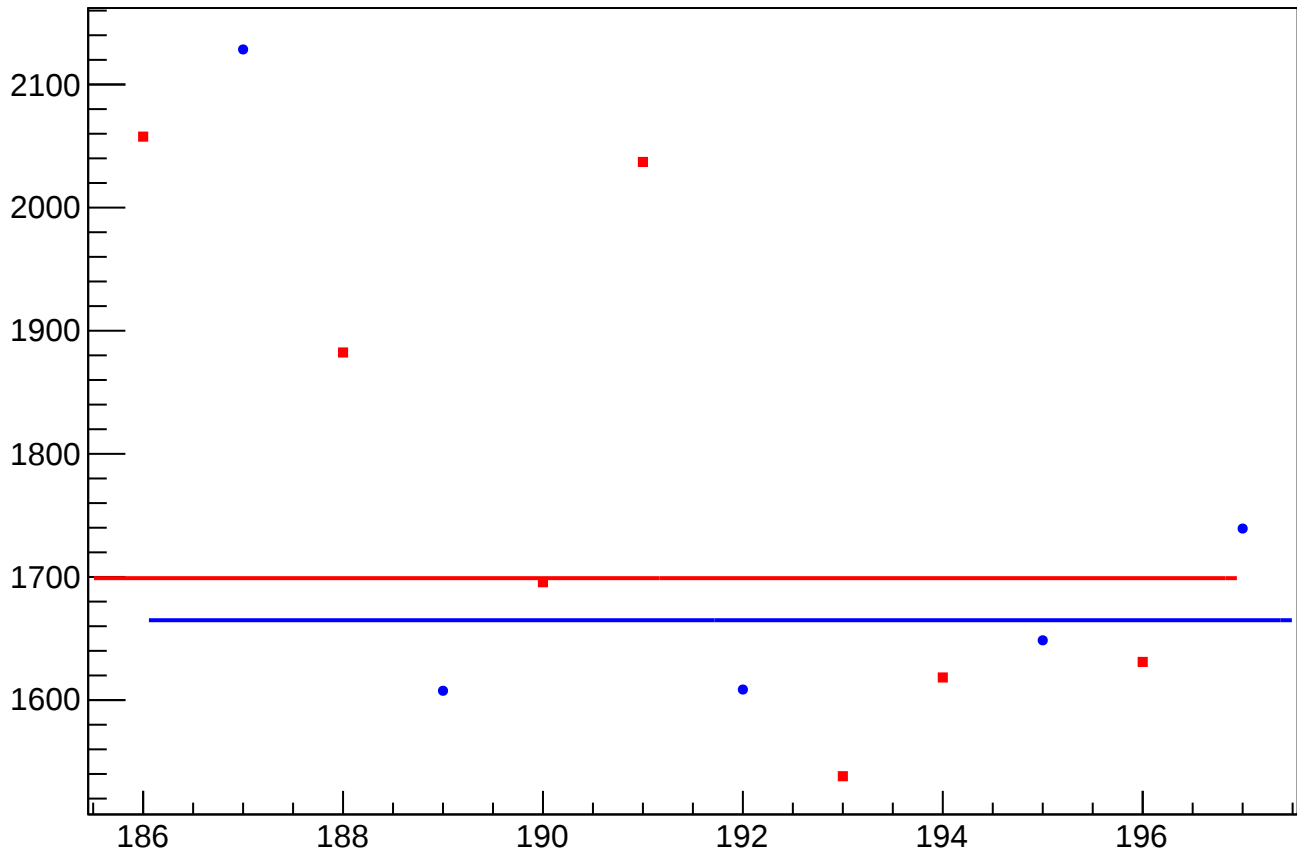
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 858.360 $\pm$ 628.383 χ^2 /NDF: 10.0/11

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1664.877 $\pm$ 0.674 χ^2 /NDF: 20533.1/4

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 1699.028 $\pm$ 0.591 χ^2 /NDF: 74463.5/6

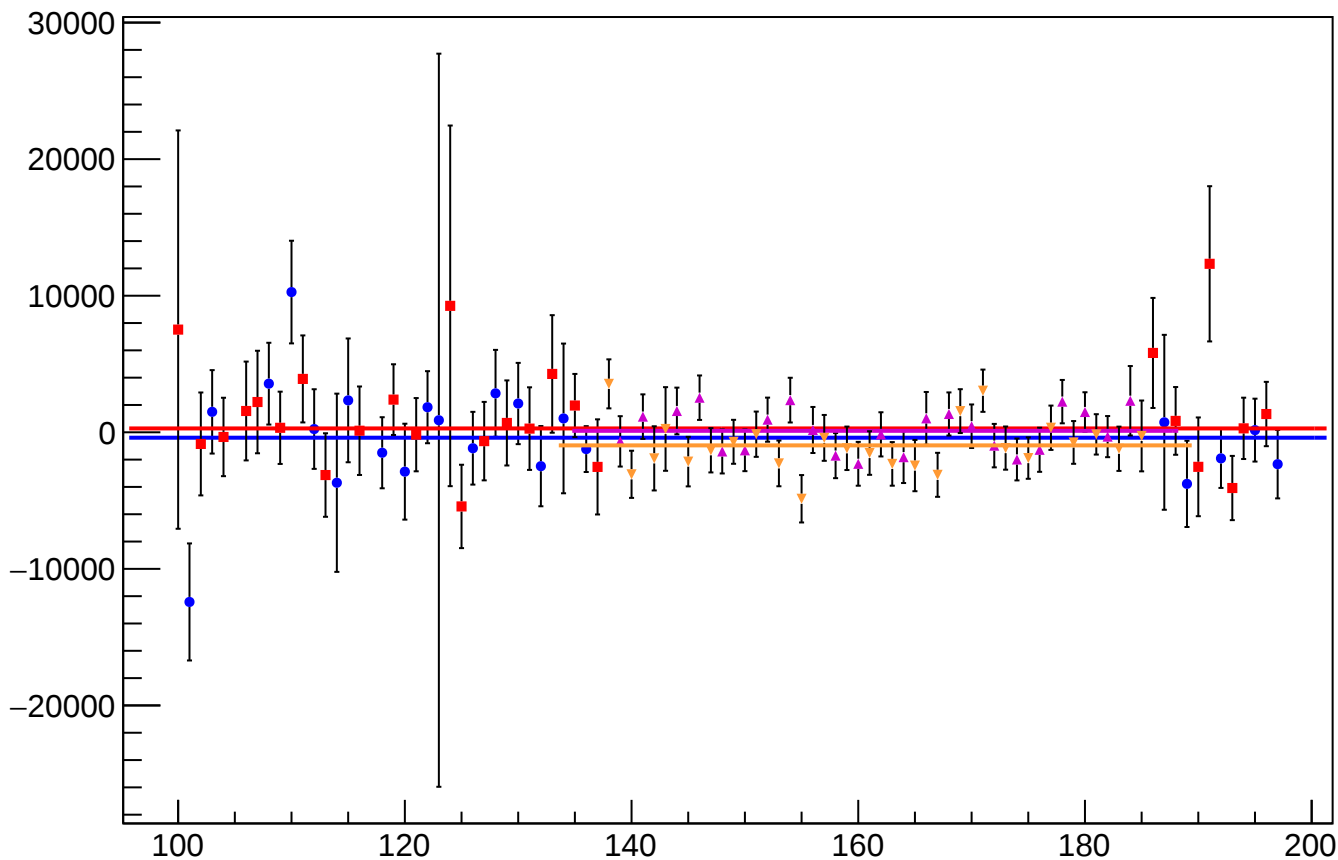
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 1684.175 $\pm$ 0.444 χ^2 /NDF: 96448.4/11

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -396.451 ± 638.852 χ^2/NDF : 25.1/21

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: 282.701 ± 604.477 χ^2/NDF : 20.8/25

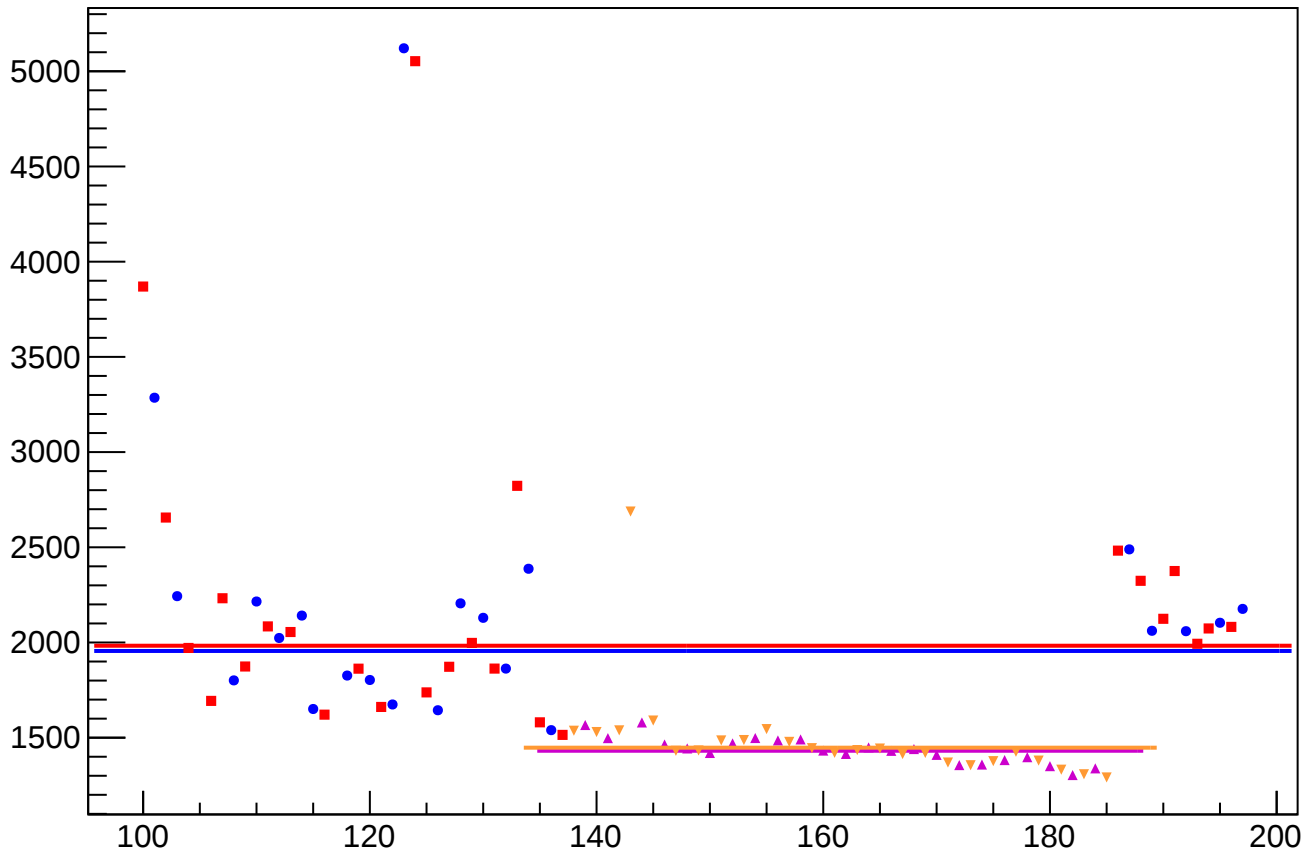
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -834.659 ± 299.794 χ^2/NDF : 54.2/46

All: -340.468 ± 211.618 χ^2/NDF : 100.0/95

- sign 150.306 ± 298.755 χ^2/NDF : 40.3/48

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1955.522+/-0.452 χ^2/NDF : 524450.4/21

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1983.017+/-0.427 χ^2/NDF : 571523.2/25

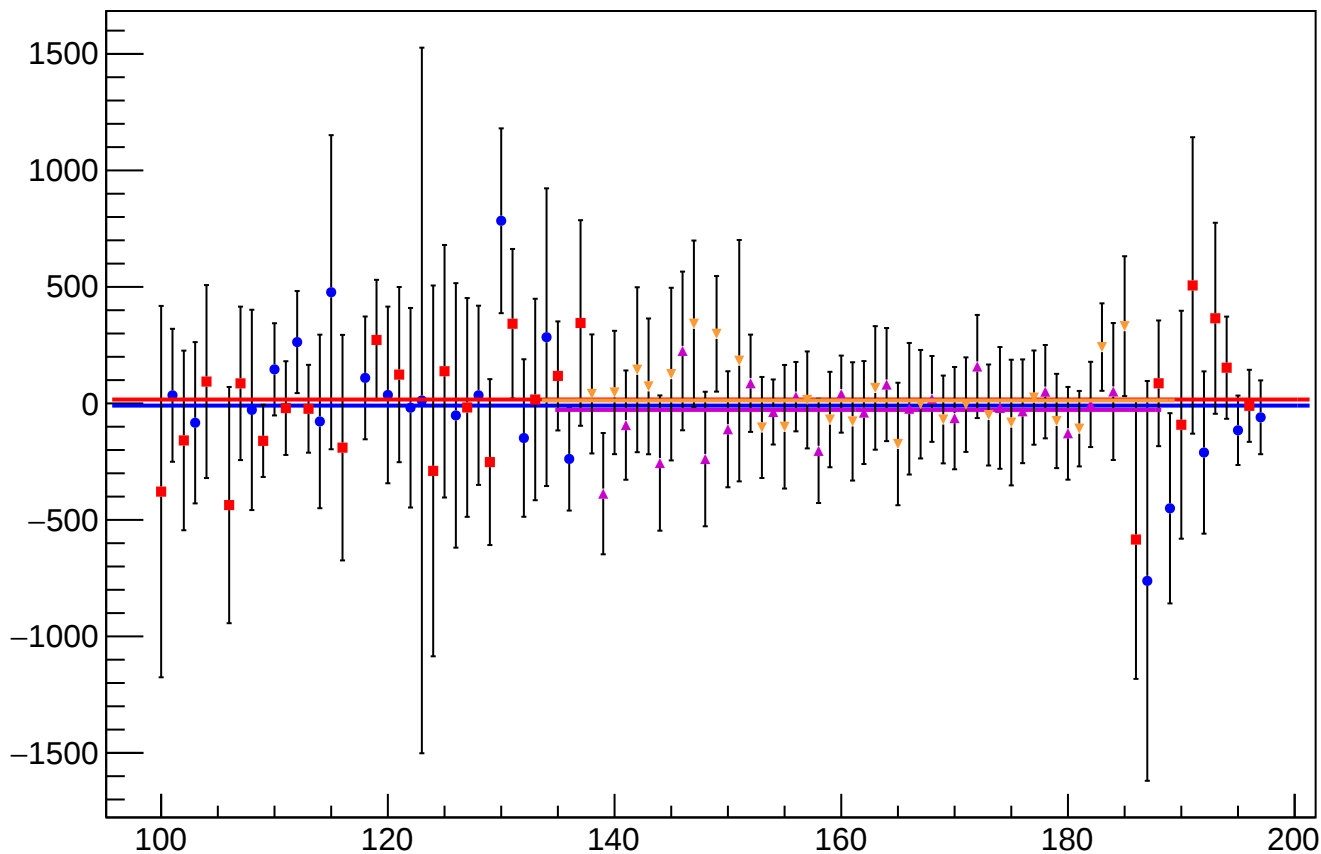
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1559.417+/-0.212 χ^2/NDF : 1929712.0/46

All: 1562.814+/-0.150 χ^2/NDF : 3835313.8/95

- sign 1566.188+/-0.211 χ^2/NDF : 1905089.9/48

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -9.404 ± 62.329 χ^2/NDF : 11.4/21

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 16.663 ± 58.150 χ^2/NDF : 9.4/25

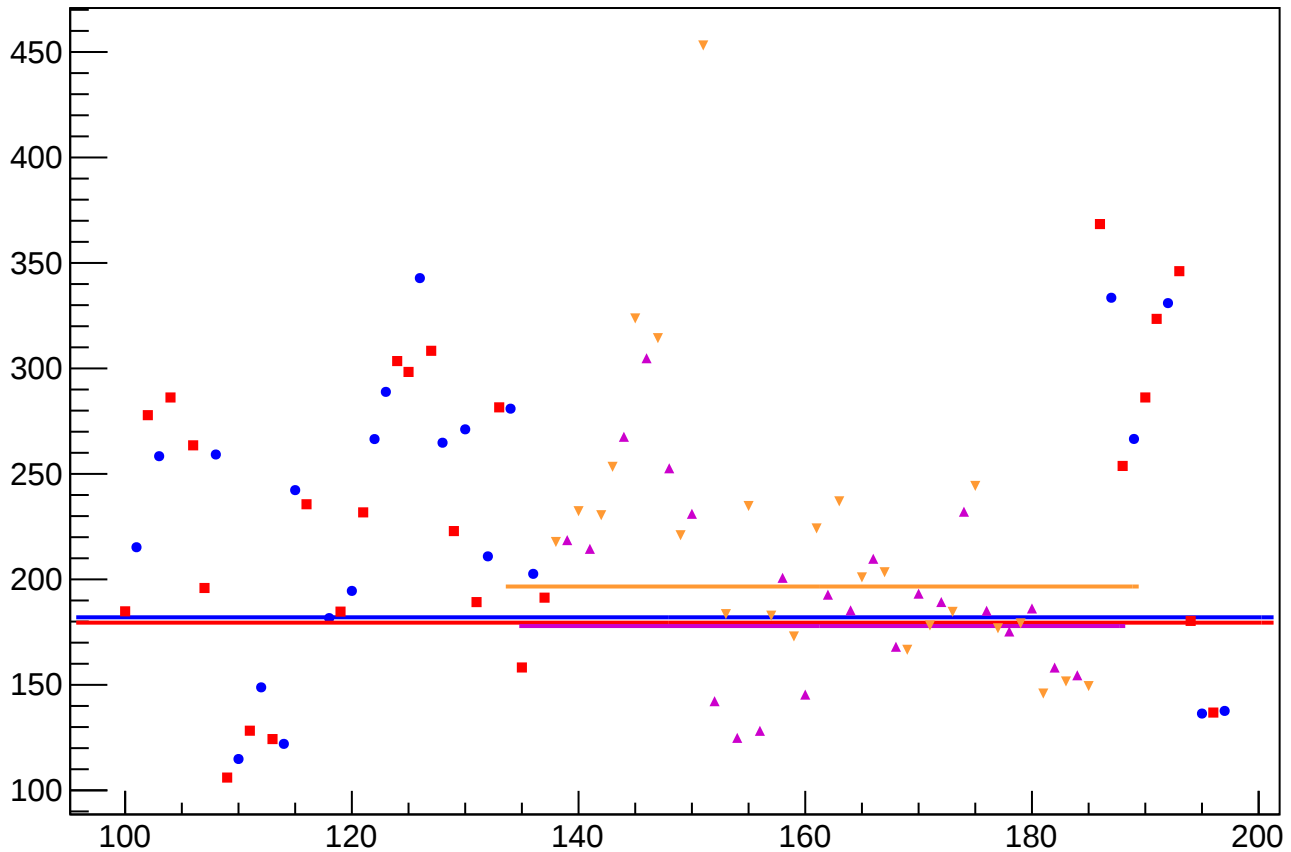
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign 4.530 ± 37.773 χ^2/NDF : 19.1/46

All: -3.985 ± 25.811 χ^2/NDF : 35.5/95

- sign -11.444 ± 35.351 χ^2/NDF : 16.3/48

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 182.025 $\pm$ 0.044 χ^2 /NDF: 1915716.4/21

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF:1793507.9/24

Right Out: 179.489 $\pm$ 0.041 χ^2 /NDF: 2627416.2/25

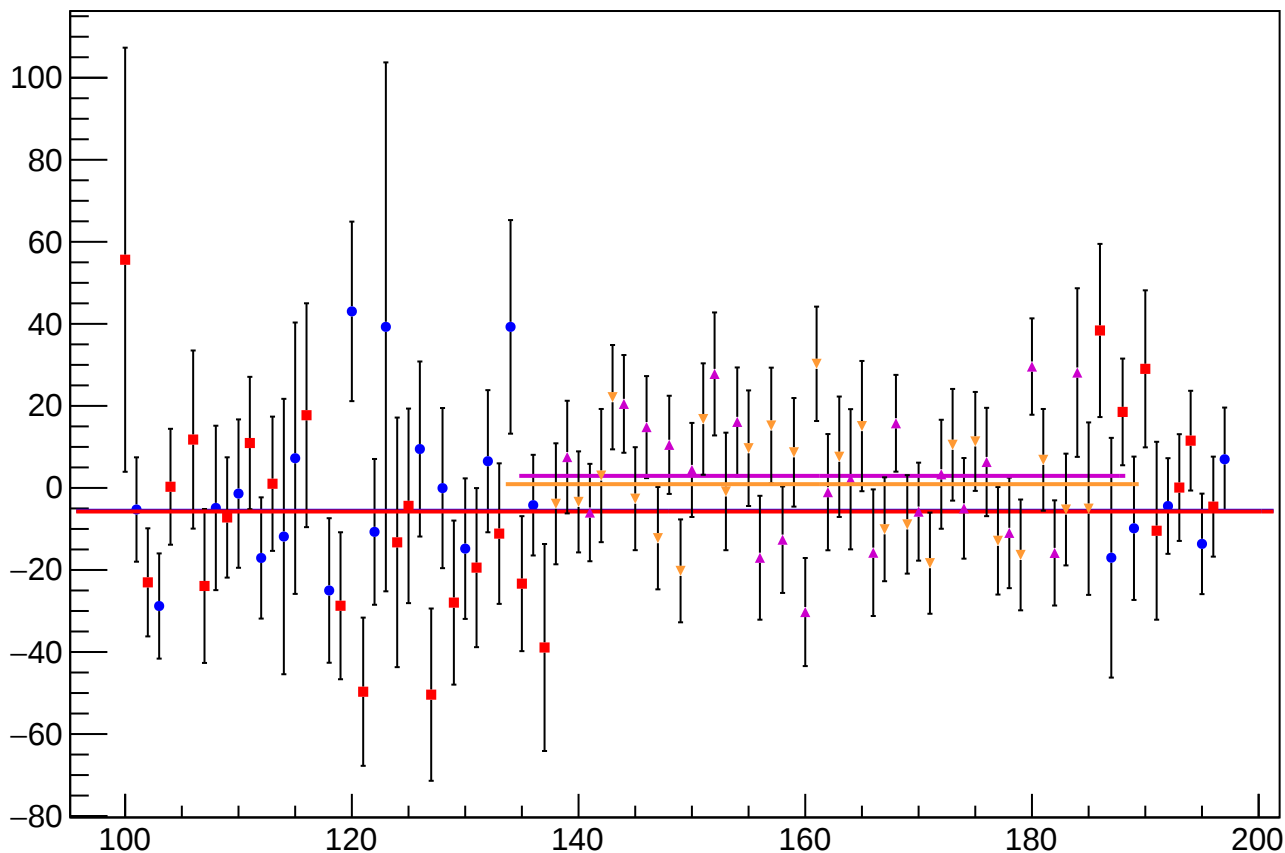
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF:1644086.7/22

+ sign 191.259 $\pm$ 0.027 χ^2 /NDF: 3778611.7/46

All: 184.443 $\pm$ 0.018 χ^2 /NDF: 8173247.8/95

- sign 178.473 $\pm$ 0.025 χ^2 /NDF: 4272471.3/48

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.566 ± 3.596 χ^2/NDF : 16.8/21

Left Out: 0.920 ± 2.696 χ^2/NDF : 24.0/24

Right Out: -5.747 ± 3.386 χ^2/NDF : 37.2/25

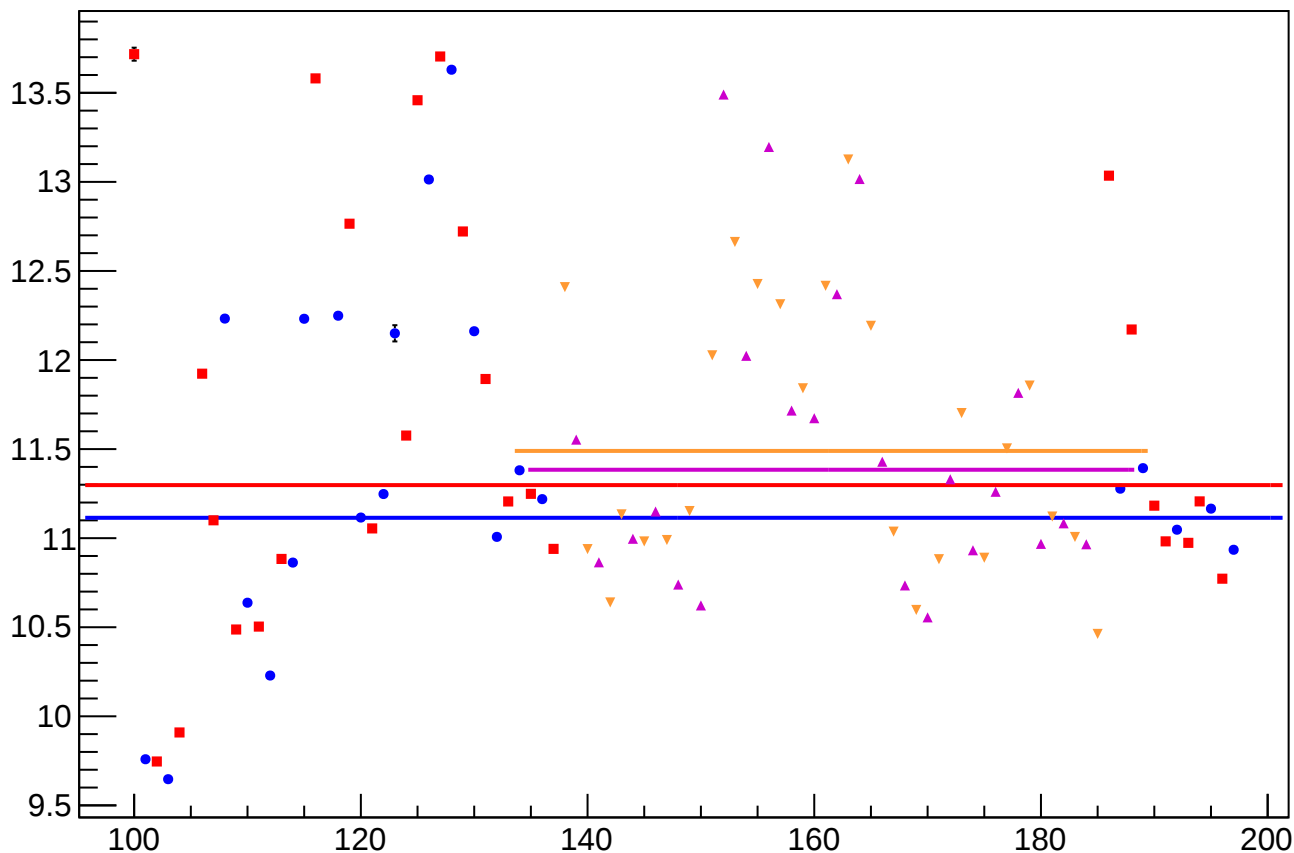
Left In: 2.941 ± 2.745 χ^2/NDF : 31.0/22

+ sign -1.414 ± 2.157 χ^2/NDF : 42.9/46

All: -0.954 ± 1.516 χ^2/NDF : 115.2/95

- sign -0.504 ± 2.132 χ^2/NDF : 72.2/48

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.114 $\pm$ 0.003 χ^2 /NDF: 133030.2/21

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 11.298 $\pm$ 0.002 χ^2 /NDF: 176982.2/25

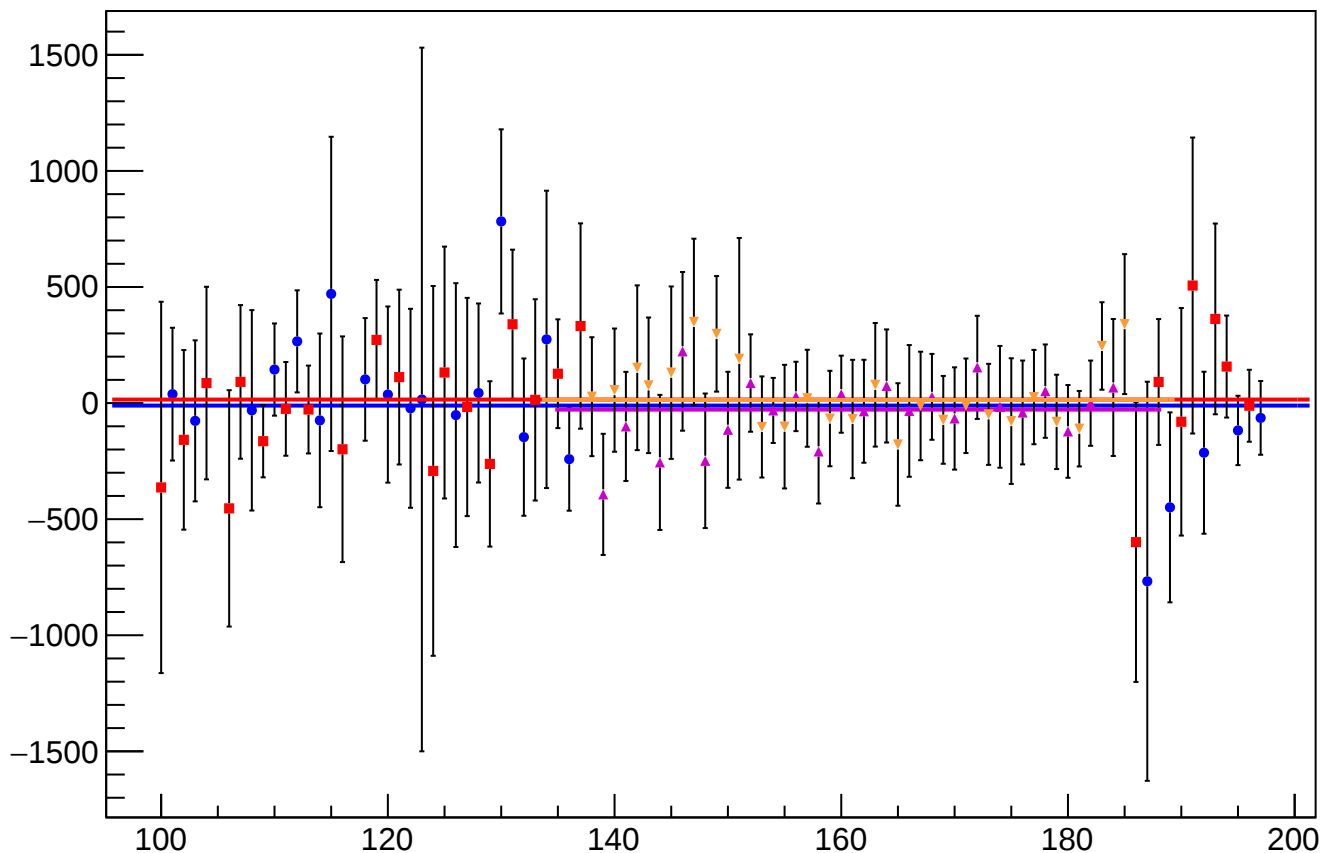
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.355 $\pm$ 0.002 χ^2 /NDF: 279381.8/46

All: 11.352 $\pm$ 0.001 χ^2 /NDF: 606951.3/95

- sign 11.350 $\pm$ 0.002 χ^2 /NDF: 327564.5/48

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -10.803 ± 62.486 χ^2/NDF : 11.3/21

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: 15.185 ± 58.316 χ^2/NDF : 9.5/25

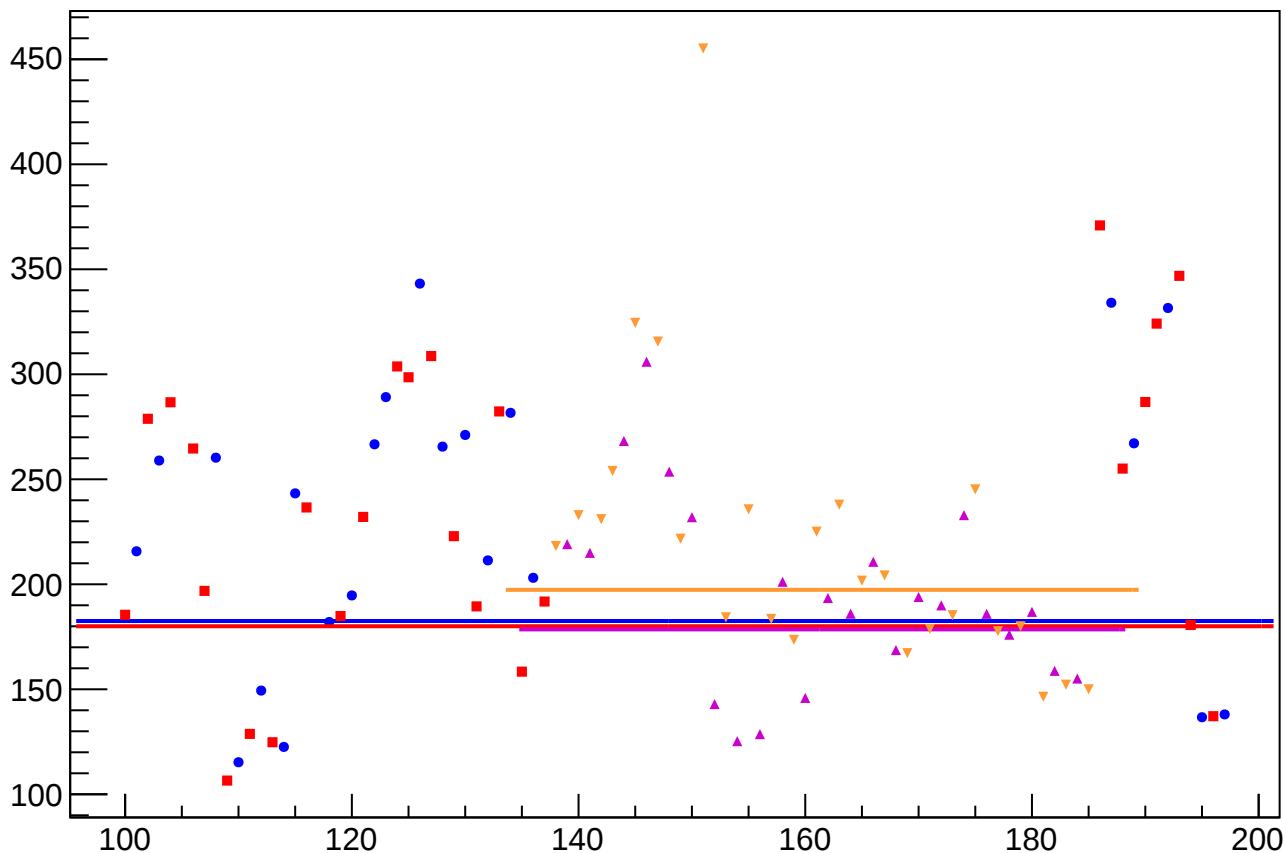
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign 4.449 ± 37.896 χ^2/NDF : 19.3/46

All: -4.350 ± 25.895 χ^2/NDF : 35.9/95

- sign -12.057 ± 35.467 χ^2/NDF : 16.5/48

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 182.512 $\pm$ 0.044 χ^2/NDF : 1910503.3/21

Left Out: 197.355 $\pm$ 0.034 χ^2/NDF : 1790824.5/24

Right Out: 180.025 $\pm$ 0.041 χ^2/NDF : 2622642.0/25

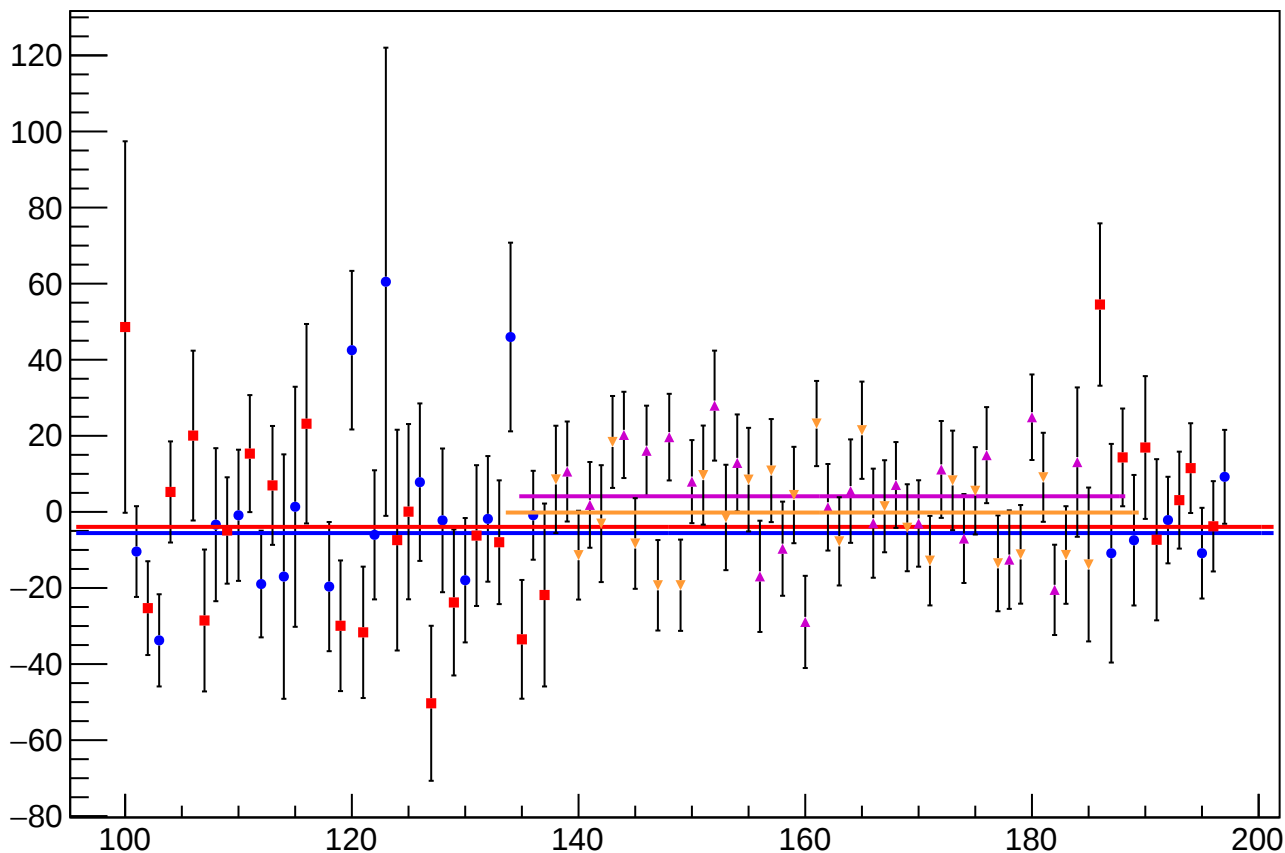
Left In: 178.512 $\pm$ 0.032 χ^2/NDF : 1642304.1/22

+ sign 191.896 $\pm$ 0.027 χ^2/NDF : 3772671.7/46

All: 185.060 $\pm$ 0.018 χ^2/NDF : 8160554.5/95

- sign 179.072 $\pm$ 0.025 χ^2/NDF : 4265794.2/48

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.567+/-3.457 χ^2 /NDF: 21.2/21

Left Out: -0.170+/-2.520 χ^2 /NDF: 24.4/24

Right Out: -3.938+/-3.267 χ^2 /NDF: 38.8/25

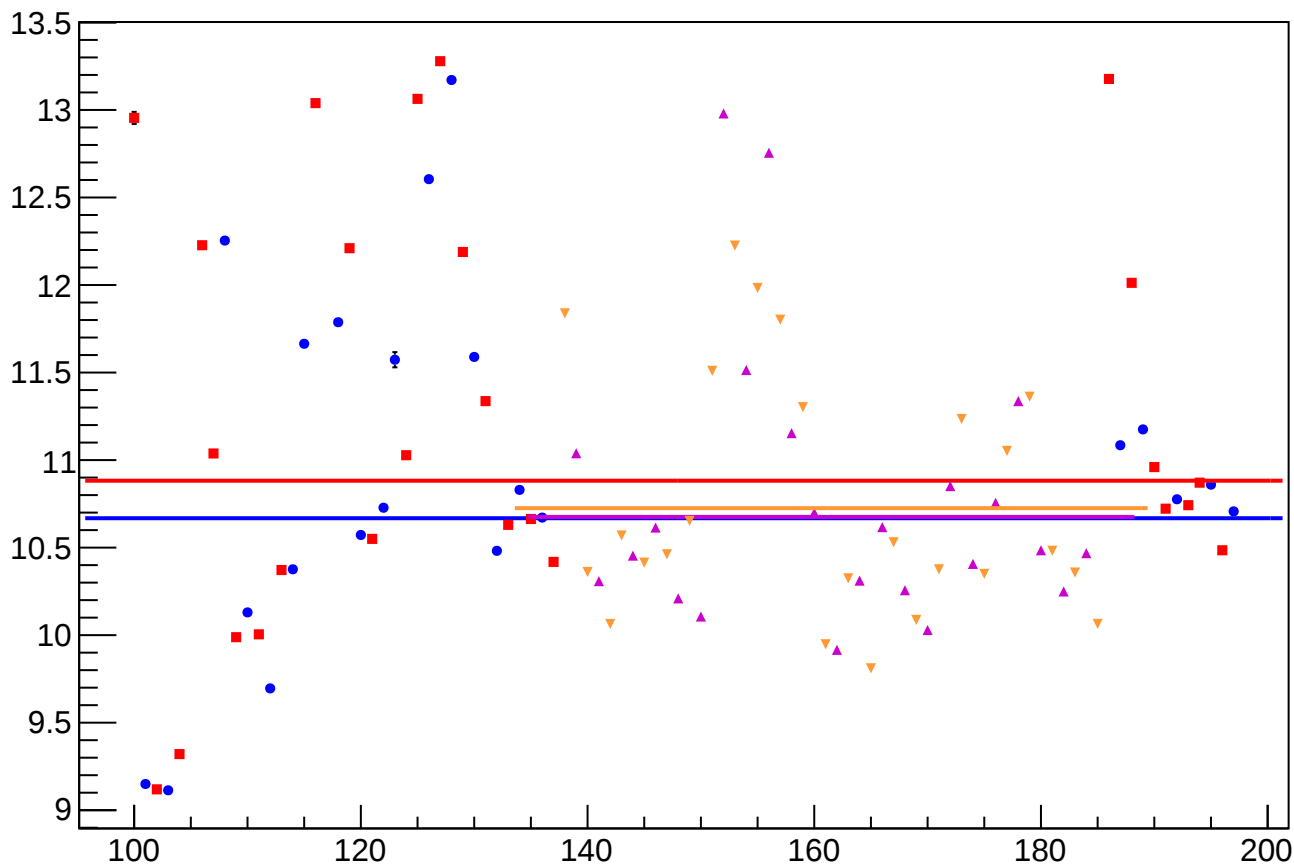
Left In: 4.107+/-2.577 χ^2 /NDF: 31.5/22

+ sign -2.043+/-2.037 χ^2 /NDF: 47.2/46

All: -0.501+/-1.435 χ^2 /NDF: 122.5/95

- sign 1.021+/-2.024 χ^2 /NDF: 74.1/48

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.668 $\pm$ 0.002 χ^2 /NDF: 162865.8/21

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF:132170.8/24

Right Out: 10.882 $\pm$ 0.002 χ^2 /NDF: 221557.8/25

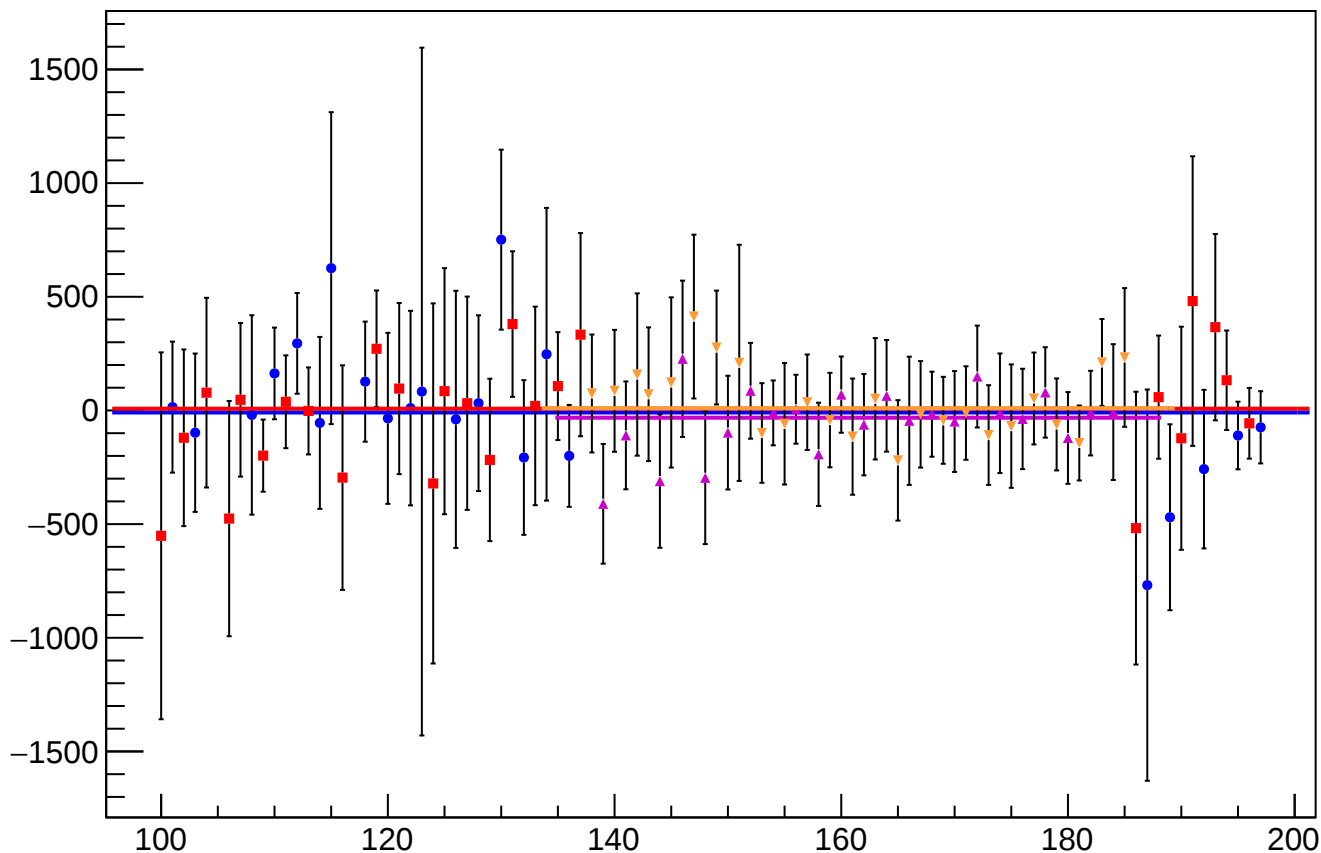
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF:145938.2/22

+ sign 10.705 $\pm$ 0.001 χ^2 /NDF: 295398.5/46

All: 10.730 $\pm$ 0.001 χ^2 /NDF: 668420.4/95

- sign 10.755 $\pm$ 0.001 χ^2 /NDF: 372433.5/48

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -8.968 ± 62.702 χ^2/NDF : 11.9/21

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 7.774 ± 58.710 χ^2/NDF : 10.0/25

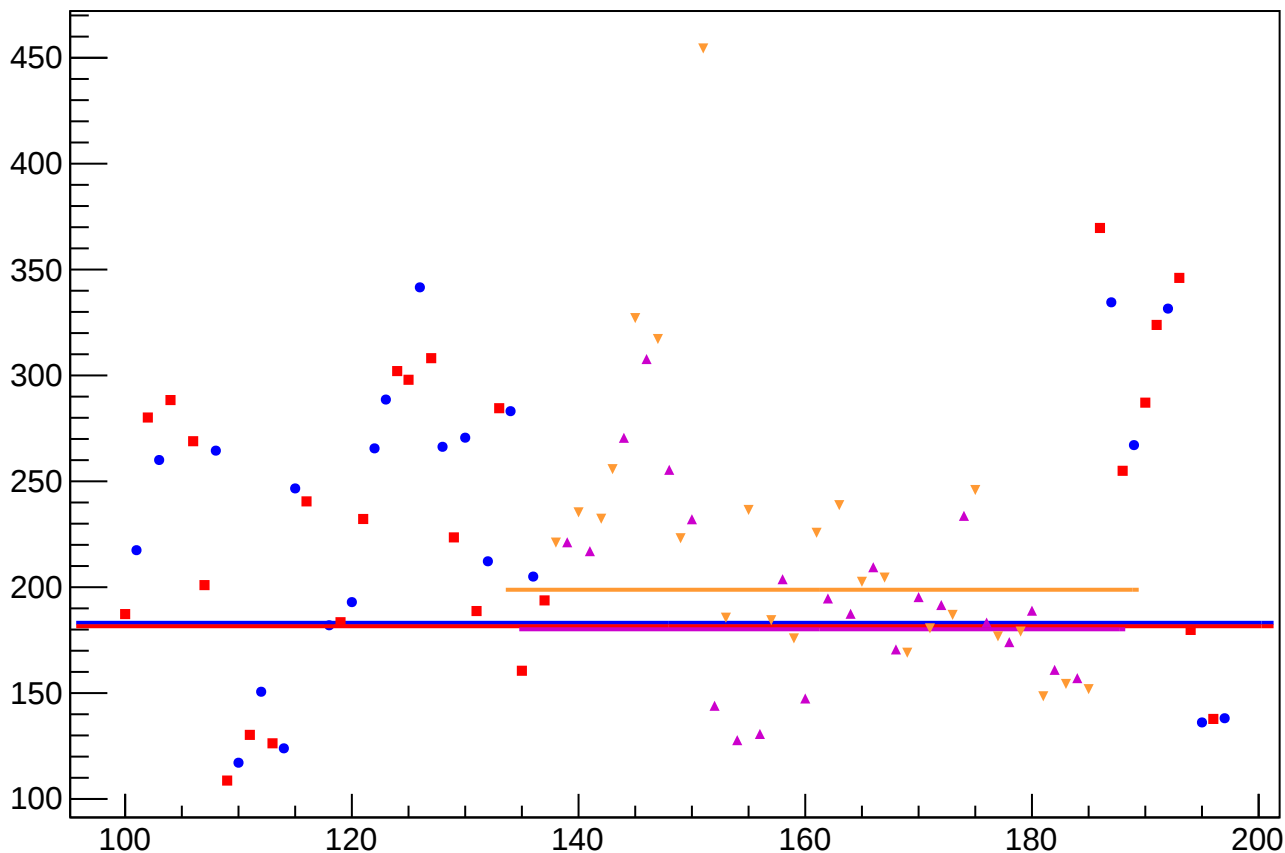
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign 2.870 ± 38.103 χ^2/NDF : 19.5/46

All: -7.839 ± 26.065 χ^2/NDF : 37.2/95

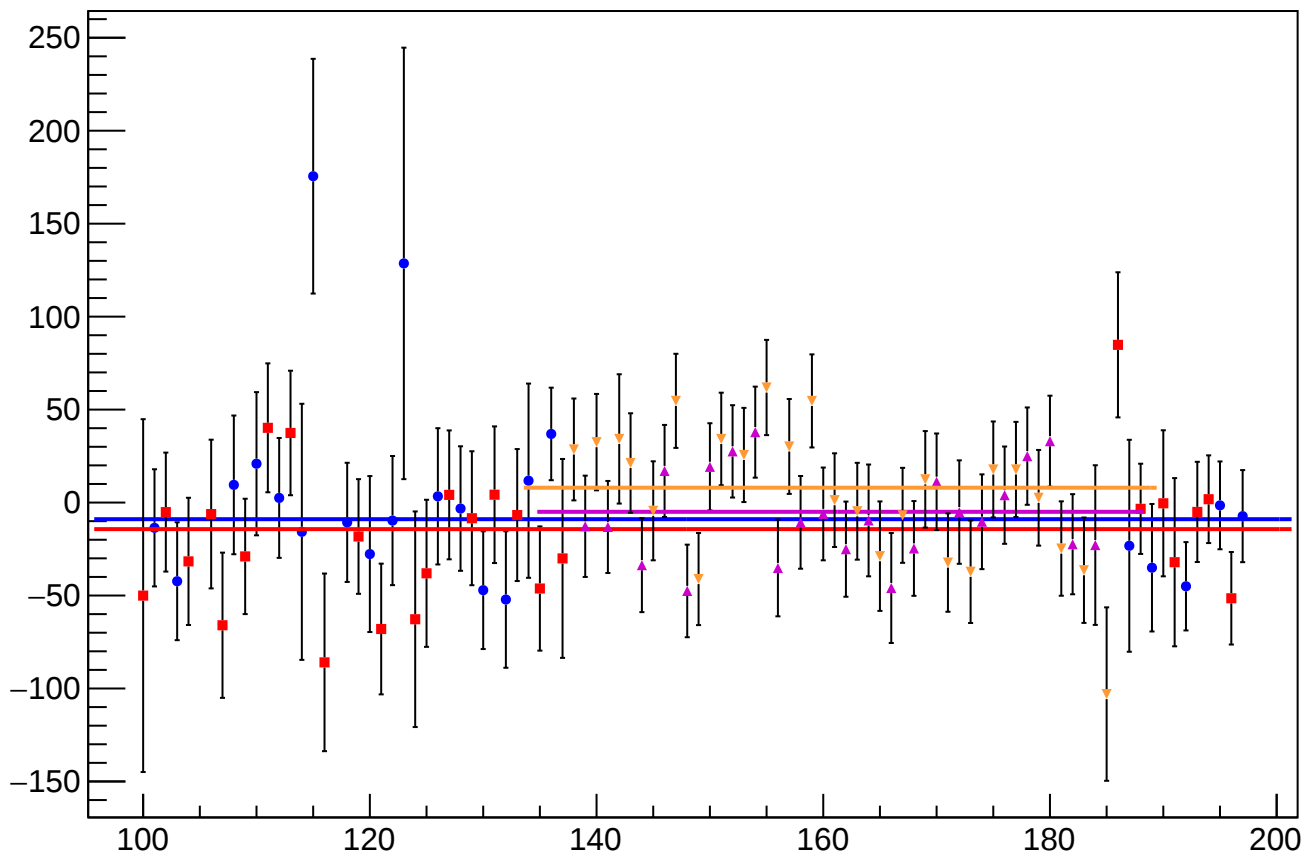
- sign -17.258 ± 35.735 χ^2/NDF : 17.5/48

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 183.187 $\pm$ 0.044	χ^2 /NDF: 1901059.5/21	+ sign 193.034 $\pm$ 0.027	χ^2 /NDF: 3742394.7/46
Left Out: 198.800 $\pm$ 0.034	χ^2 /NDF: 1763119.1/24	All: 186.450 $\pm$ 0.018	χ^2 /NDF: 8010329.3/95
Right Out: 181.569 $\pm$ 0.042	χ^2 /NDF: 2561078.0/25	- sign 180.659 $\pm$ 0.025	χ^2 /NDF: 4155684.2/48
Left In: 180.123 $\pm$ 0.032	χ^2 /NDF: 1593842.6/22		

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -8.946 $\pm$ 7.259 χ^2/NDF : 21.8/21

Left Out: 7.990 $\pm$ 5.327 χ^2/NDF : 37.4/24

Right Out: -14.293 $\pm$ 6.760 χ^2/NDF : 24.4/25

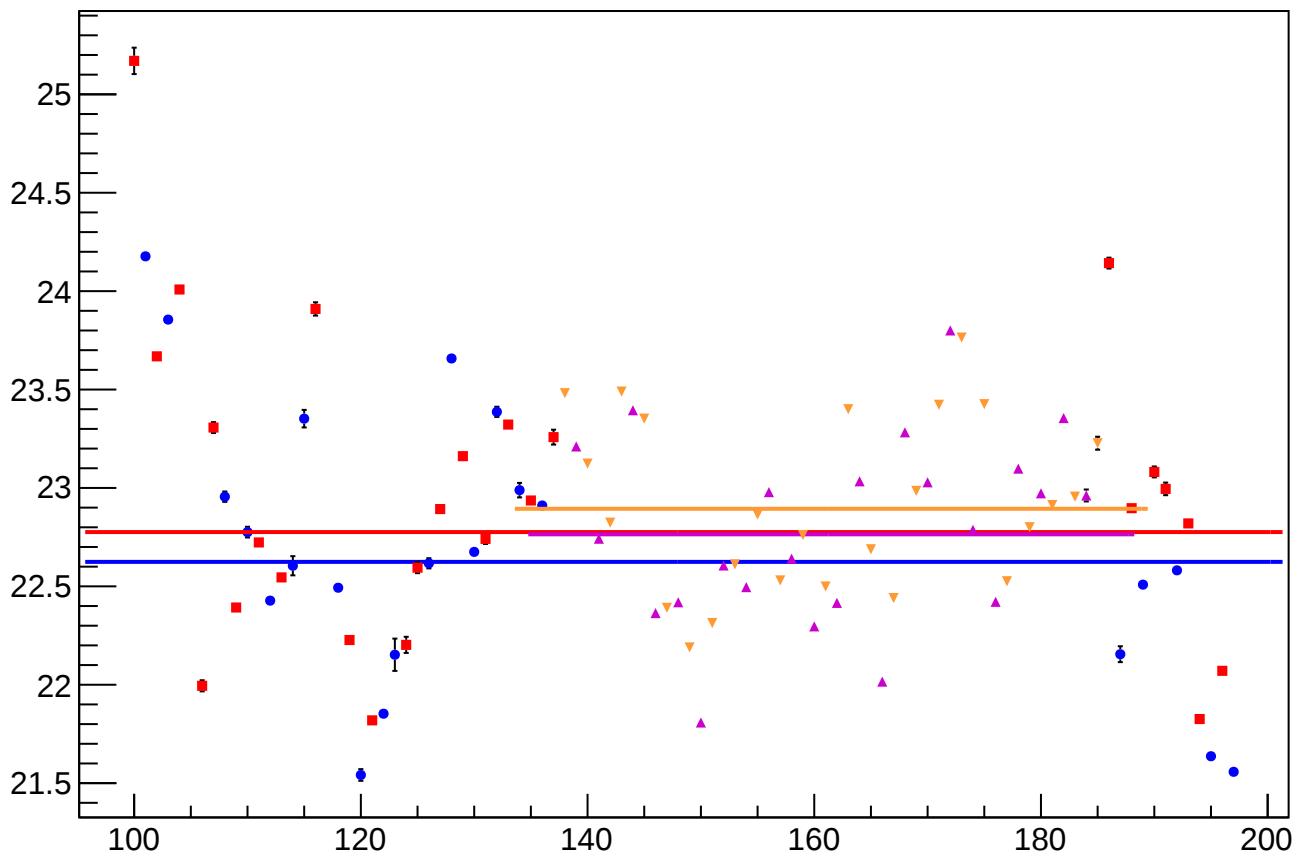
Left In: -4.973 $\pm$ 5.444 χ^2/NDF : 20.5/22

+ sign 2.062 $\pm$ 4.295 χ^2/NDF : 62.8/46

All: -3.358 $\pm$ 3.017 χ^2/NDF : 111.9/95

- sign -8.640 $\pm$ 4.240 χ^2/NDF : 46.0/48

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.624 $\pm$ 0.005 χ^2 /NDF: 21295.7/21

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.776 $\pm$ 0.005 χ^2 /NDF: 18905.5/25

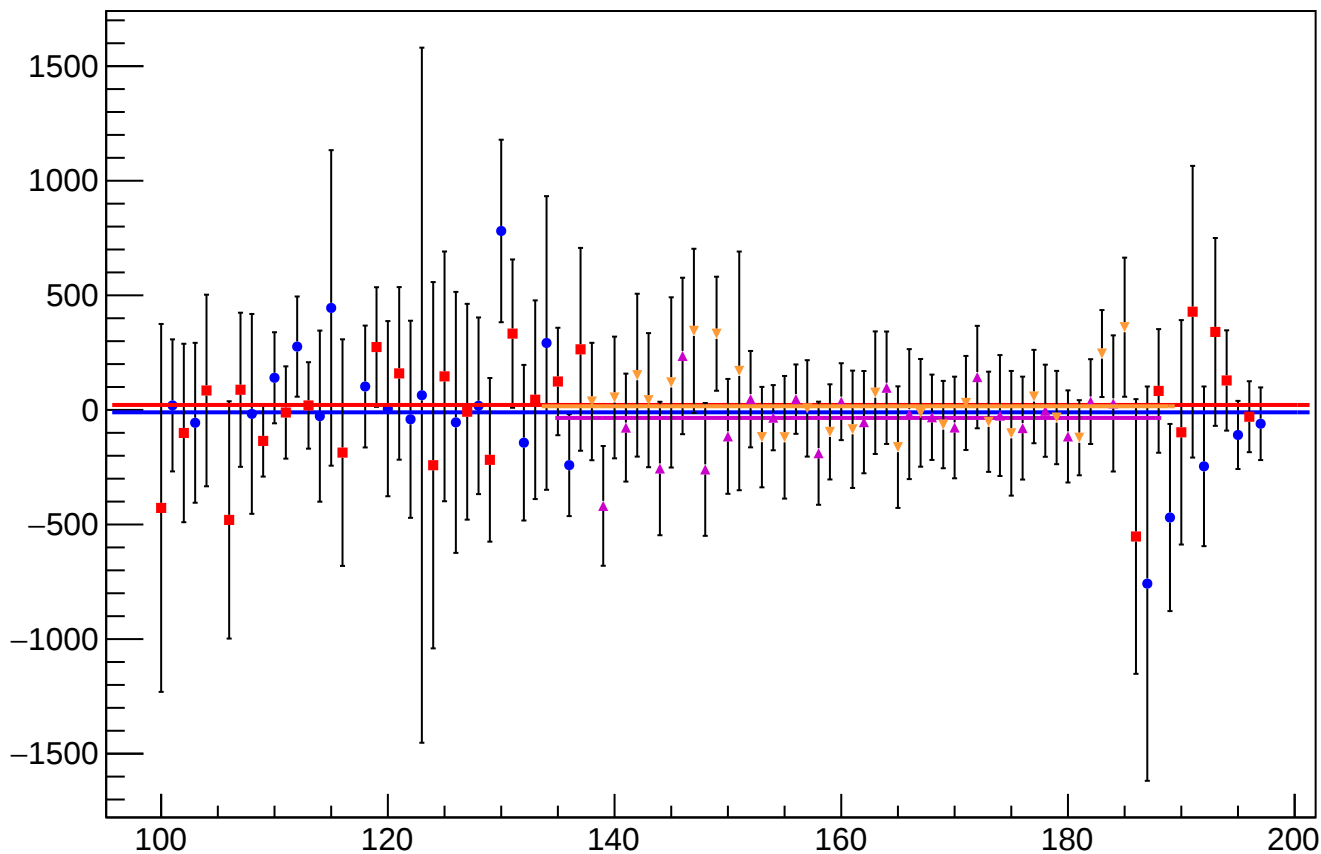
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.800 $\pm$ 0.003 χ^2 /NDF: 36161.8/46

All: 22.784 $\pm$ 0.002 χ^2 /NDF: 69788.8/95

- sign 22.769 $\pm$ 0.003 χ^2 /NDF: 33574.6/48

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -10.458 ± 62.506 χ^2/NDF : 11.4/21

Left Out: 15.904 ± 47.898 χ^2/NDF : 8.4/24

Right Out: 21.635 ± 58.368 χ^2/NDF : 8.1/25

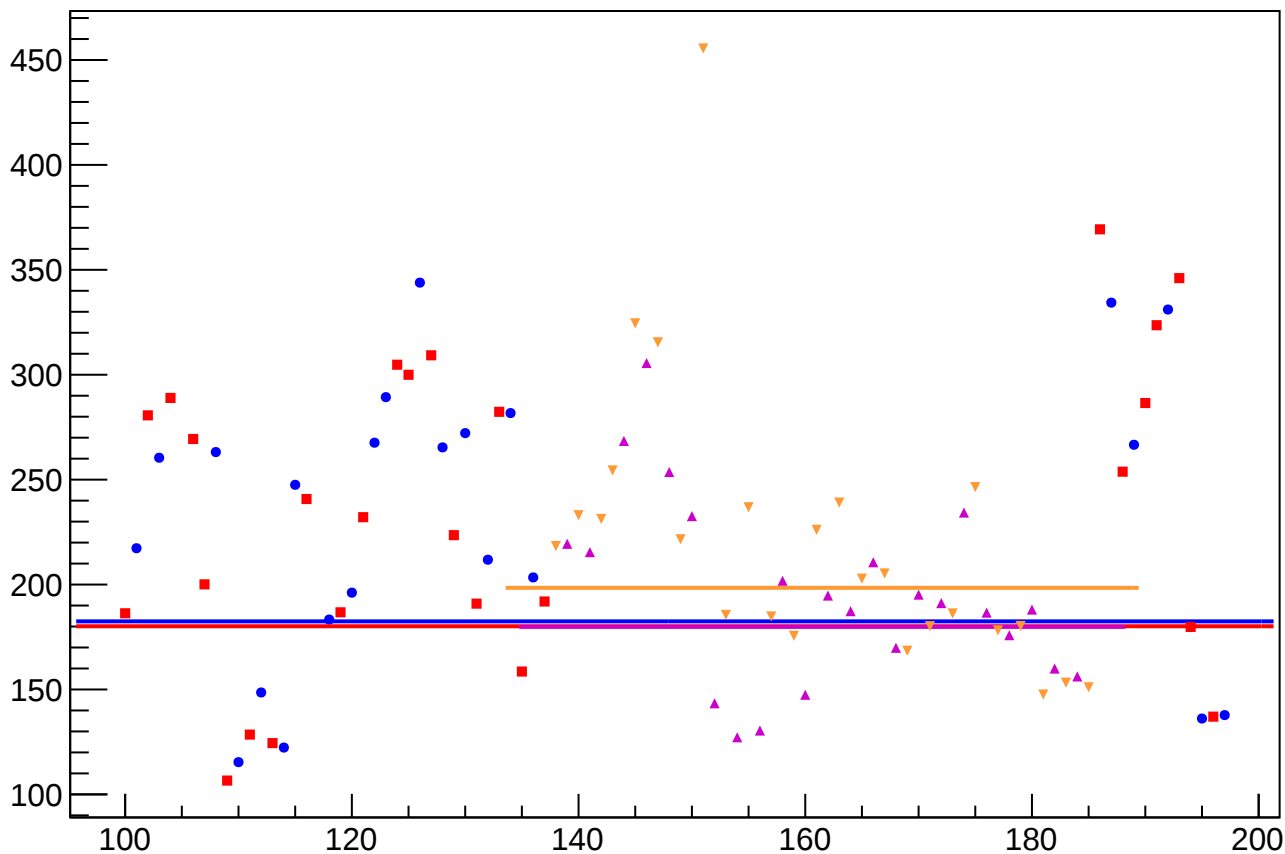
Left In: -34.919 ± 44.971 χ^2/NDF : 6.6/22

+ sign 6.151 ± 38.019 χ^2/NDF : 19.9/46

All: -4.501 ± 25.995 χ^2/NDF : 35.4/95

- sign -13.853 ± 35.624 χ^2/NDF : 15.3/48

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 182.460 $\pm$ 0.044 χ^2/NDF : 1934237.0/21

Left Out: 198.450 $\pm$ 0.034 χ^2/NDF : 1761433.9/24

Right Out: 180.127 $\pm$ 0.041 χ^2/NDF : 2641452.1/25

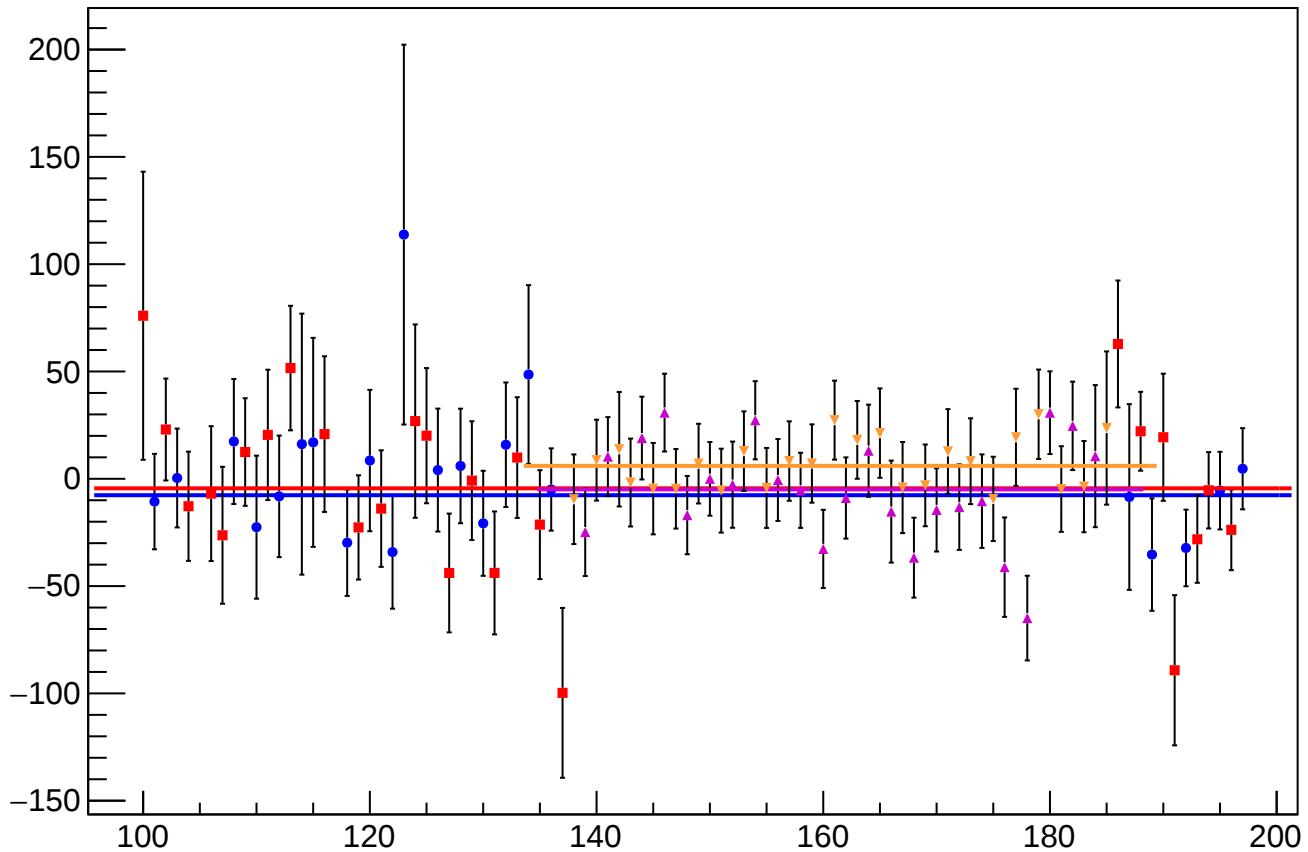
Left In: 179.839 $\pm$ 0.032 χ^2/NDF : 1588834.3/22

+ sign 192.534 $\pm$ 0.027 χ^2/NDF : 3778126.7/46

All: 185.831 $\pm$ 0.018 χ^2/NDF : 8125191.7/95

- sign 179.946 $\pm$ 0.025 χ^2/NDF : 4230316.9/48

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -7.655 ± 5.608 χ^2/NDF : 12.1/21

Left Out: 6.020 ± 4.017 χ^2/NDF : 8.1/24

Right Out: -4.445 ± 5.235 χ^2/NDF : 37.1/25

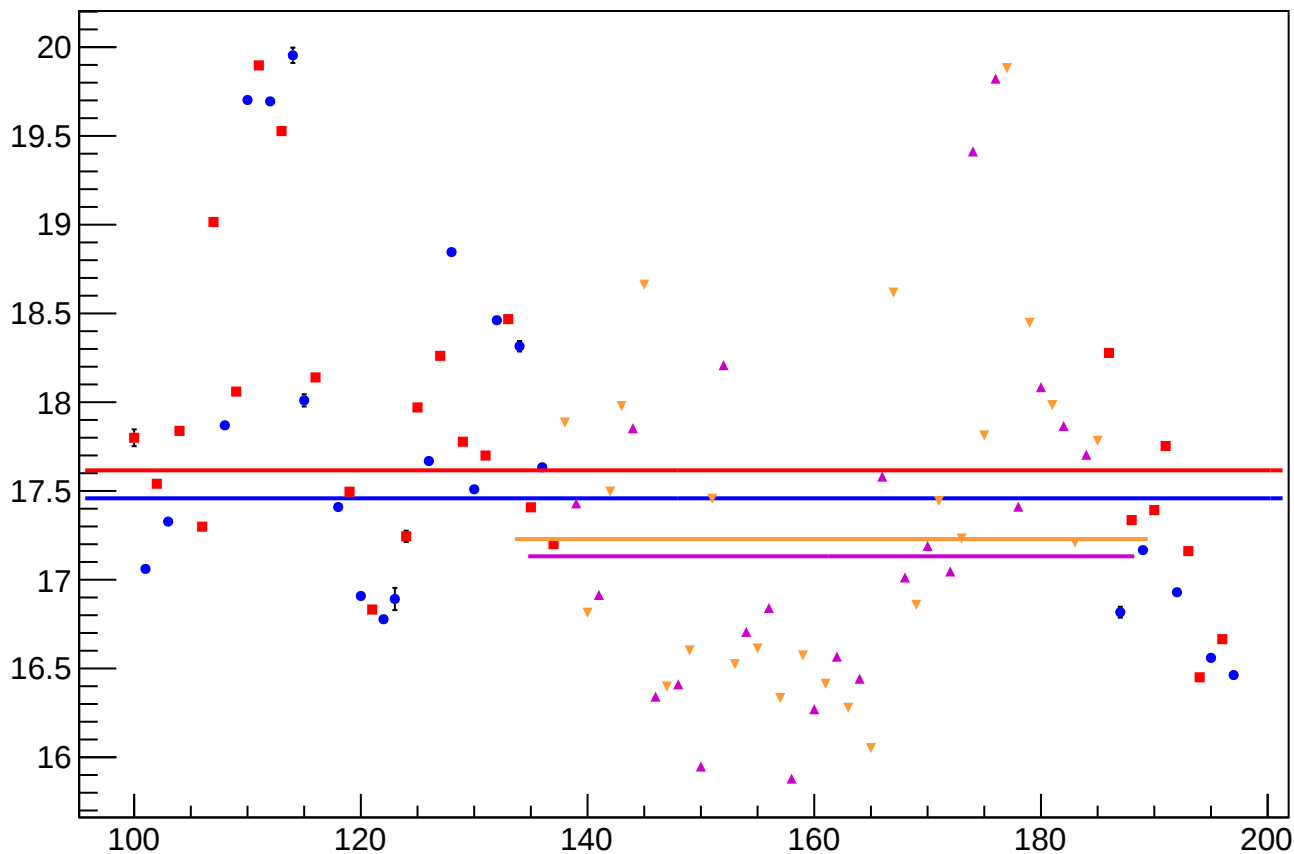
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 1.383 ± 3.266 χ^2/NDF : 24.1/46

All: -1.718 ± 2.297 χ^2/NDF : 97.9/95

- sign -4.753 ± 3.232 χ^2/NDF : 72.0/48

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.459 $\pm$ 0.004 χ^2 /NDF: 50090.1/21

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF: 98624.7/24

Right Out: 17.616 $\pm$ 0.004 χ^2 /NDF: 47047.8/25

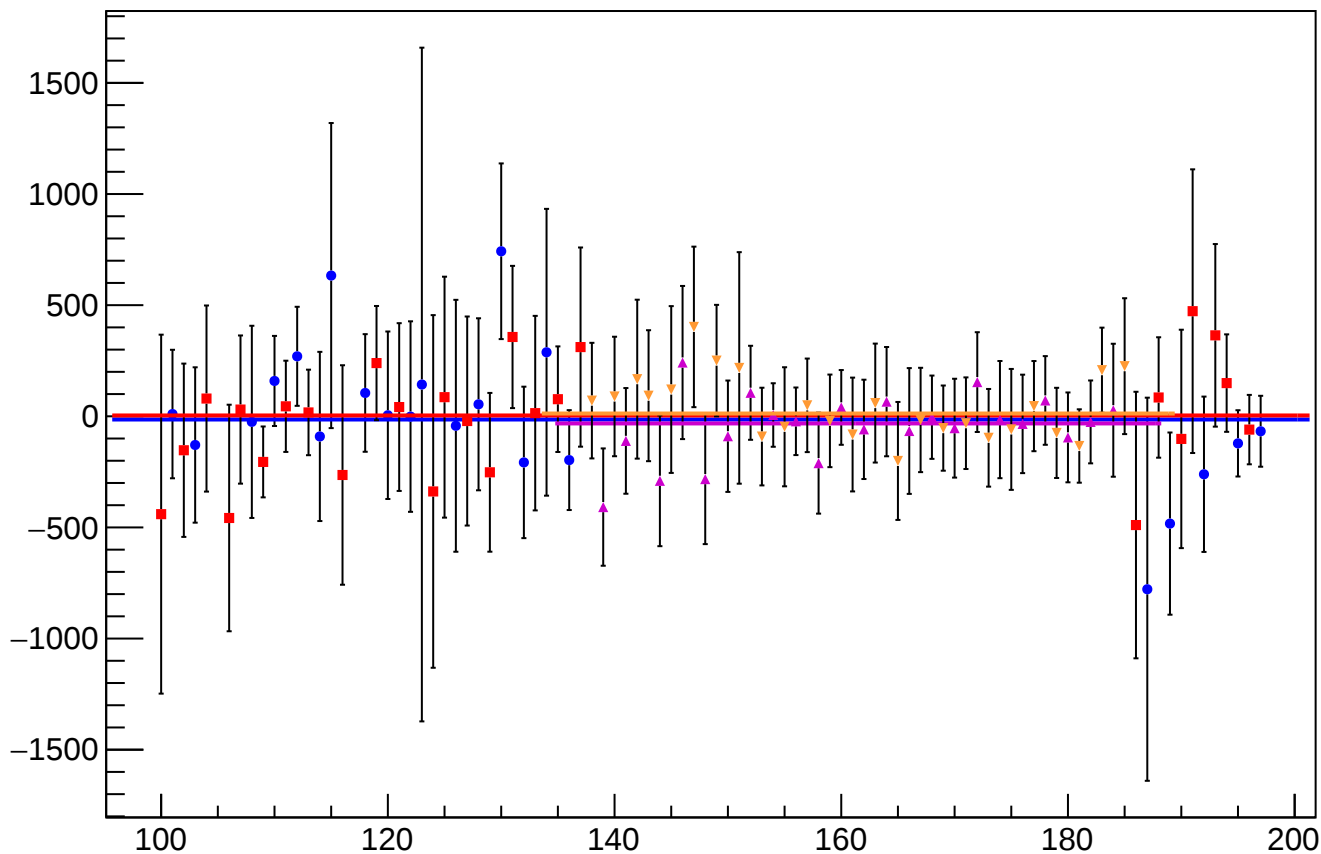
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF: 103997.3/22

+ sign 17.307 $\pm$ 0.002 χ^2 /NDF: 150928.4/46

All: 17.312 $\pm$ 0.002 χ^2 /NDF: 312575.8/95

- sign 17.316 $\pm$ 0.002 χ^2 /NDF: 161639.0/48

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -14.437 ± 62.870 χ^2/NDF : 11.7/21

Left Out: 12.474 ± 48.086 χ^2/NDF : 6.8/24

Right Out: 3.750 ± 58.841 χ^2/NDF : 9.5/25

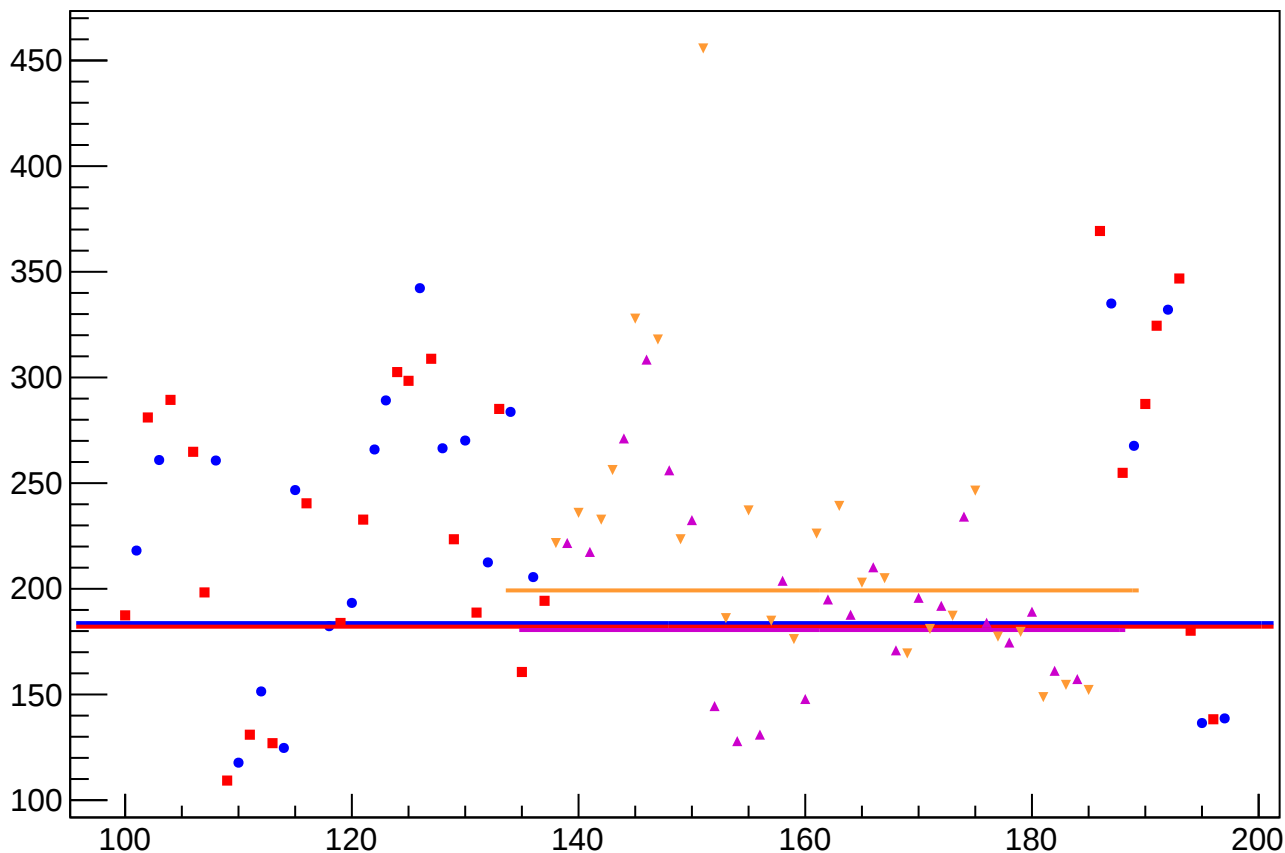
Left In: -32.159 ± 45.131 χ^2/NDF : 6.9/22

+ sign 2.542 ± 38.195 χ^2/NDF : 18.7/46

All: -8.847 ± 26.124 χ^2/NDF : 35.5/95

- sign -18.859 ± 35.811 χ^2/NDF : 16.7/48

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 183.768 $\pm$ 0.044 χ^2 /NDF: 1883784.7/21

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 182.081 $\pm$ 0.042 χ^2 /NDF: 2537499.3/25

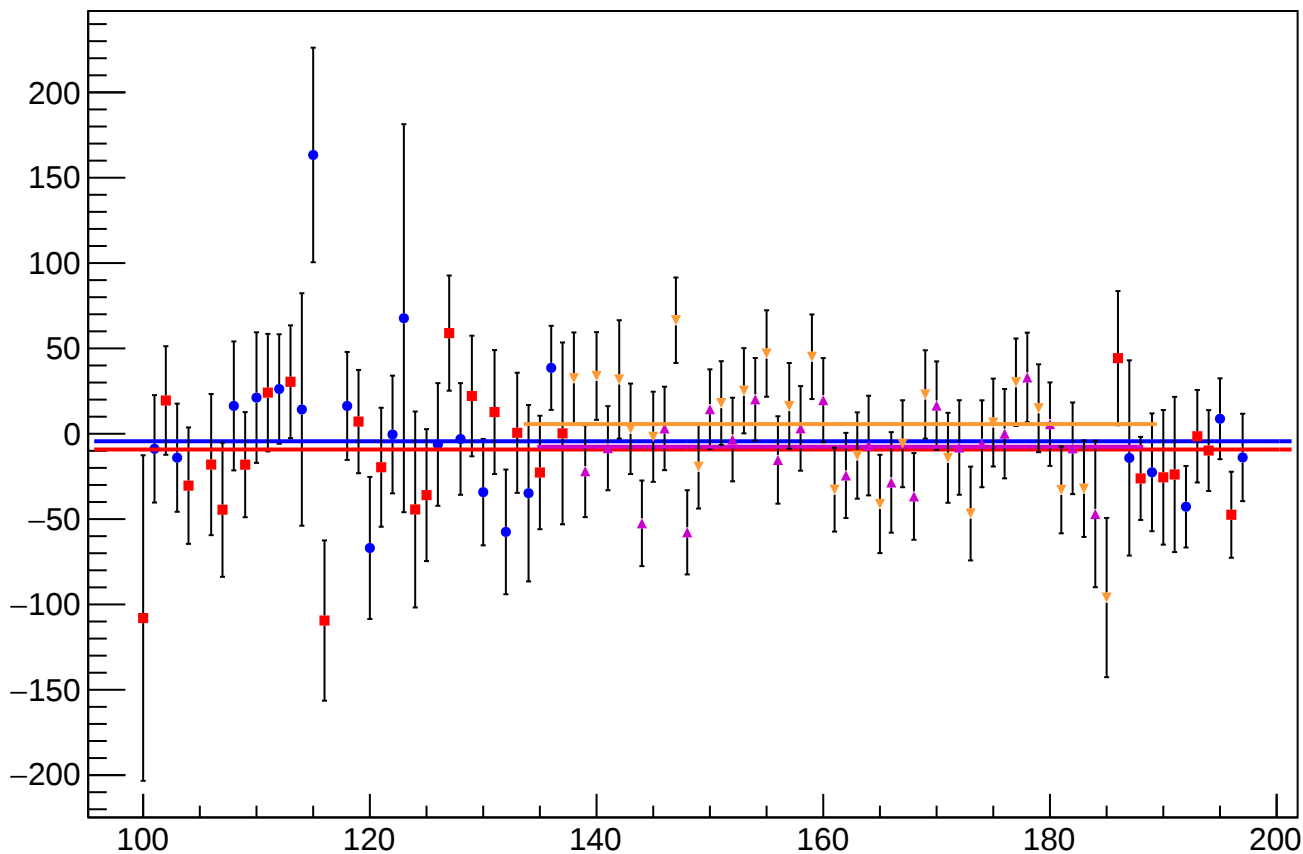
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 193.530 $\pm$ 0.027 χ^2 /NDF: 3724319.8/46

All: 186.905 $\pm$ 0.018 χ^2 /NDF: 7969583.5/95

- sign 181.081 $\pm$ 0.025 χ^2 /NDF: 4132199.3/48

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.406 ± 7.246 χ^2/NDF : 21.8/21

Left Out: 5.673 ± 5.278 χ^2/NDF : 36.4/24

Right Out: -9.223 ± 6.737 χ^2/NDF : 21.9/25

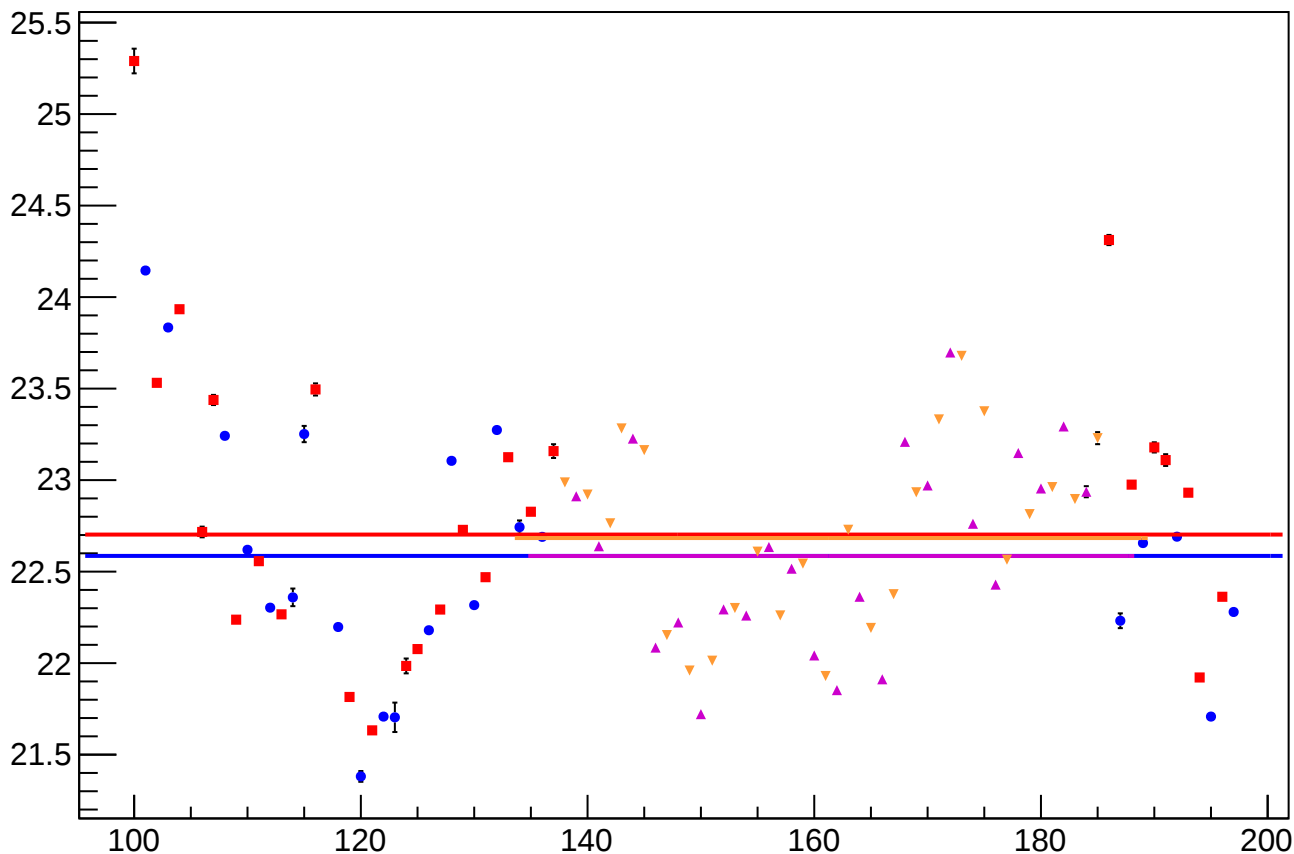
Left In: -7.594 ± 5.402 χ^2/NDF : 18.3/22

+ sign 2.180 ± 4.266 χ^2/NDF : 59.5/46

All: -3.089 ± 2.998 χ^2/NDF : 102.7/95

- sign -8.231 ± 4.214 χ^2/NDF : 40.2/48

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.586 $\pm$ 0.005 χ^2 /NDF: 17246.0/21

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16318.1/24

Right Out: 22.702 $\pm$ 0.005 χ^2 /NDF: 19567.8/25

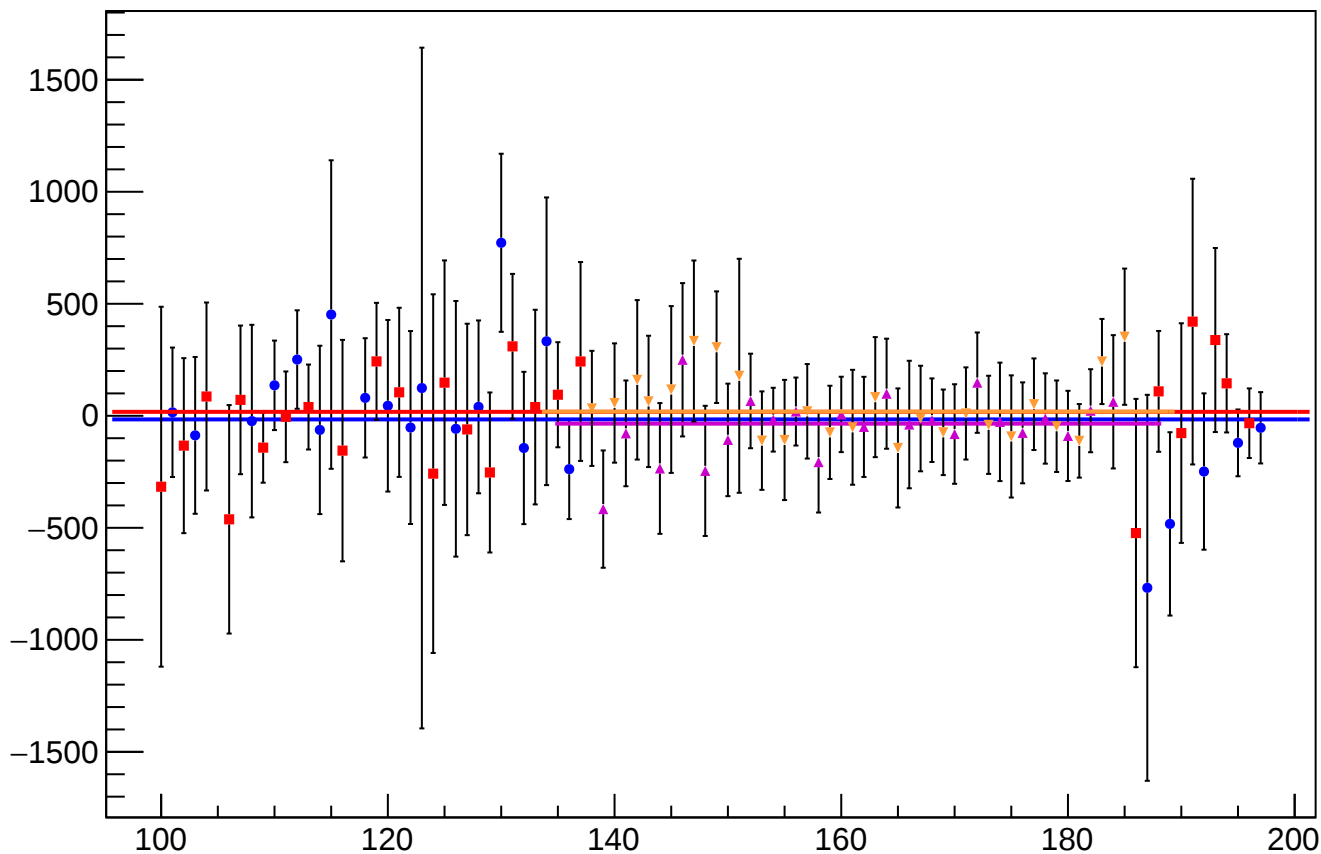
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF: 18087.5/22

+ sign 22.650 $\pm$ 0.003 χ^2 /NDF: 33801.0/46

All: 22.640 $\pm$ 0.002 χ^2 /NDF: 71843.7/95

- sign 22.631 $\pm$ 0.003 χ^2 /NDF: 38023.6/48

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -16.044 ± 62.676 χ^2/NDF : 11.2/21

Left Out: 18.633 ± 48.006 χ^2/NDF : 7.6/24

Right Out: 17.712 ± 58.503 χ^2/NDF : 7.6/25

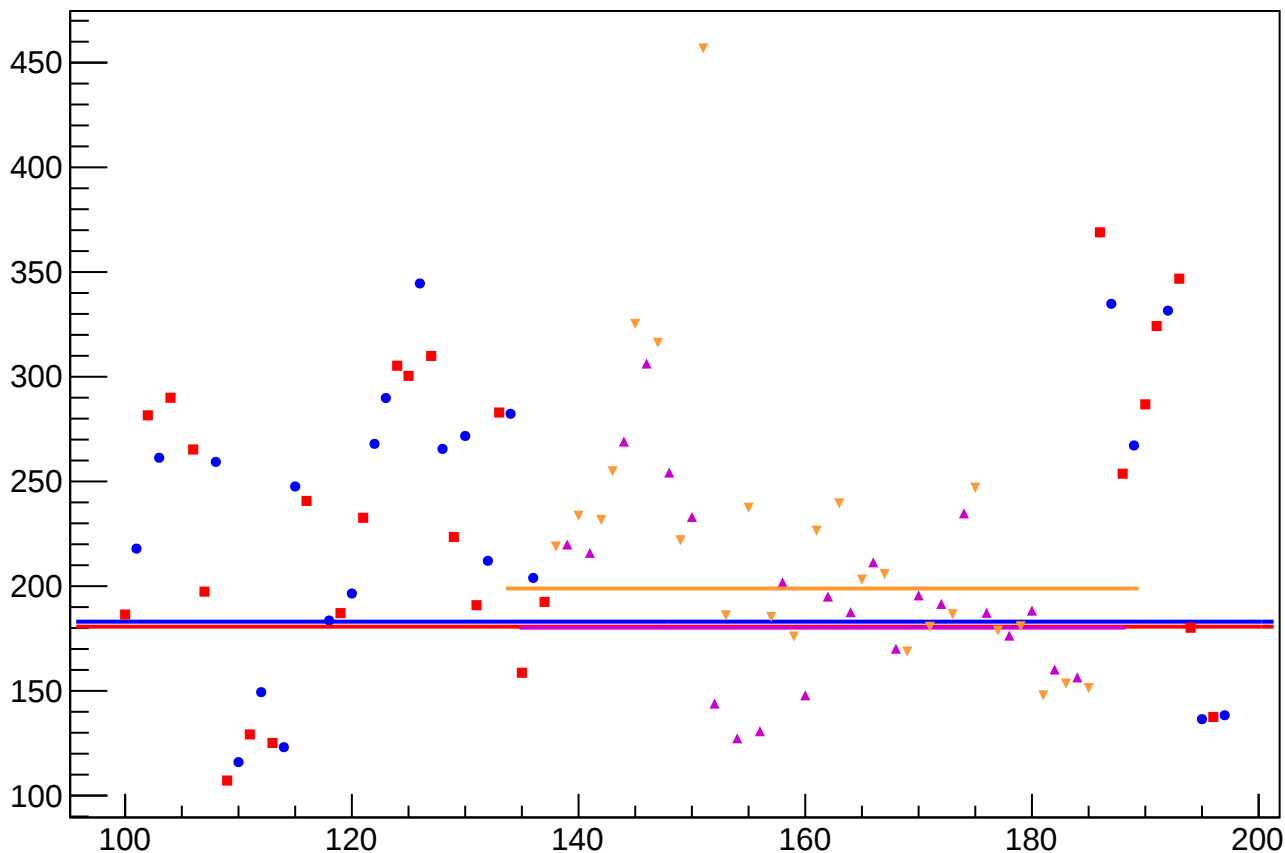
Left In: -35.046 ± 45.063 χ^2/NDF : 6.3/22

+ sign 5.811 ± 38.111 χ^2/NDF : 19.0/46

All: -5.487 ± 26.054 χ^2/NDF : 33.6/95

- sign -15.400 ± 35.700 χ^2/NDF : 14.4/48

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 183.049 $\pm$ 0.044 χ^2 /NDF: 1916302.9/21

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF: 1762454.6/24

Right Out: 180.652 $\pm$ 0.041 χ^2 /NDF: 2616783.5/25

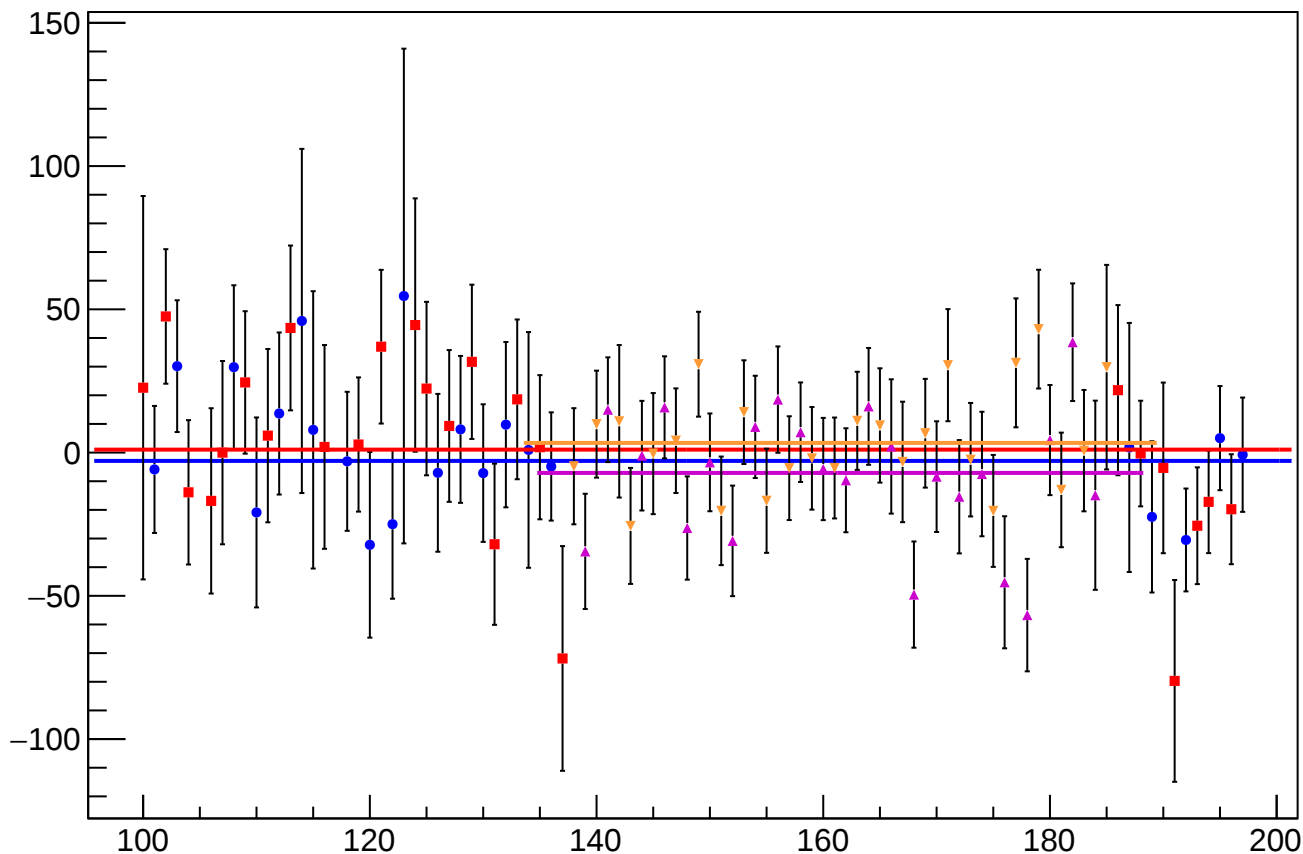
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF: 1589005.4/22

+ sign 193.033 $\pm$ 0.027 χ^2 /NDF: 3759280.8/46

All: 186.290 $\pm$ 0.018 χ^2 /NDF: 8082704.0/95

- sign 180.373 $\pm$ 0.025 χ^2 /NDF: 4205861.3/48

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.903 ± 5.586 χ^2/NDF : 10.3/21

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: 1.036 ± 5.205 χ^2/NDF : 27.4/25

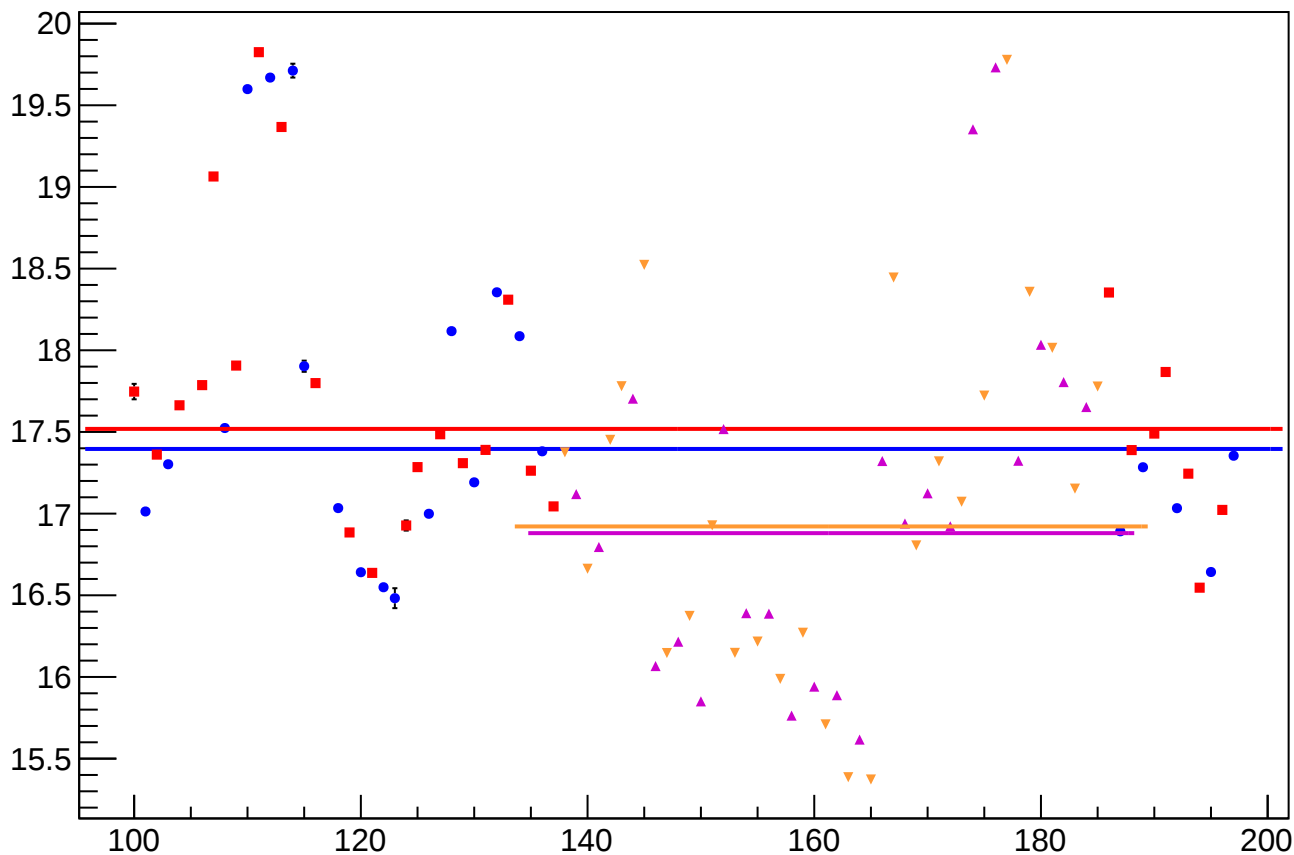
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 1.282 ± 3.223 χ^2/NDF : 29.9/46

All: -1.399 ± 2.269 χ^2/NDF : 92.7/95

- sign -4.034 ± 3.195 χ^2/NDF : 61.4/48

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.396 $\pm$ 0.004 χ^2 /NDF: 38974.8/21

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF: 138990.4/24

Right Out: 17.519 $\pm$ 0.004 χ^2 /NDF: 41338.6/25

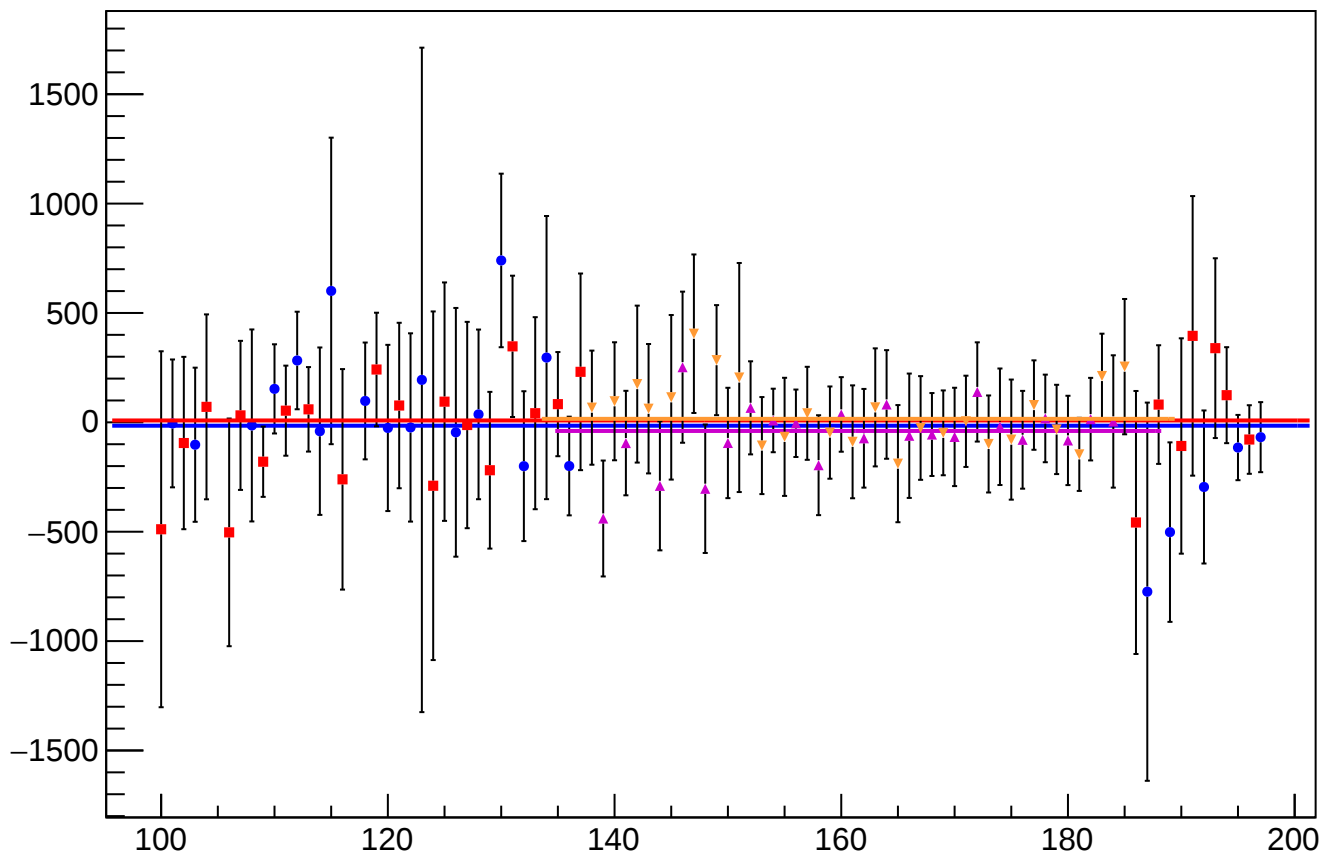
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF: 121736.1/22

+ sign 17.079 $\pm$ 0.002 χ^2 /NDF: 187589.6/46

All: 17.100 $\pm$ 0.002 χ^2 /NDF: 369574.5/95

- sign 17.121 $\pm$ 0.002 χ^2 /NDF: 181817.6/48

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -15.375 ± 63.139 χ^2/NDF : 11.7/21

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 8.613 ± 59.167 χ^2/NDF : 8.4/25

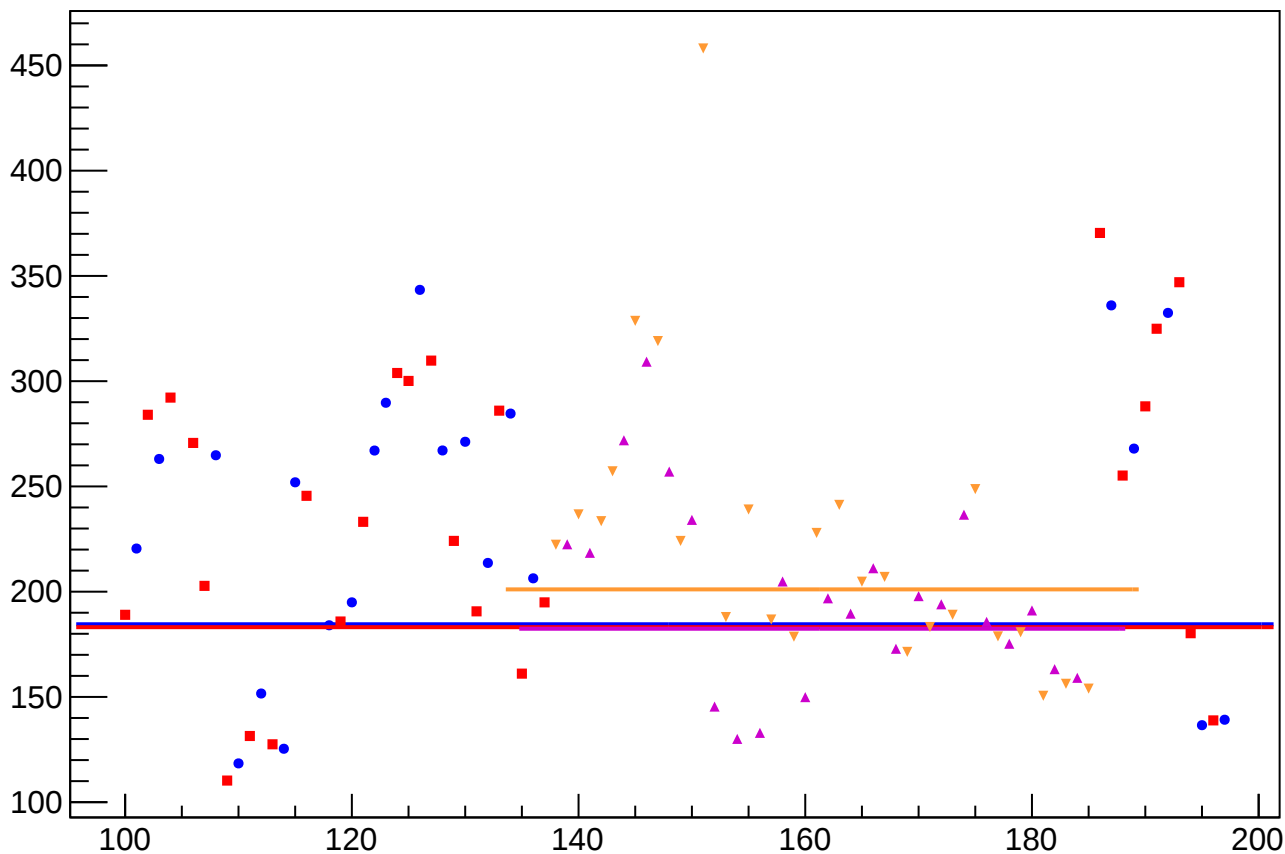
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign 4.337 ± 38.464 χ^2/NDF : 19.2/46

All: -9.403 ± 26.324 χ^2/NDF : 35.2/95

- sign -21.508 ± 36.103 χ^2/NDF : 15.7/48

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 184.522 $\pm$ 0.045 χ^2 /NDF: 1893516.6/21

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF: 1731069.1/24

Right Out: 183.135 $\pm$ 0.042 χ^2 /NDF: 2536997.6/25

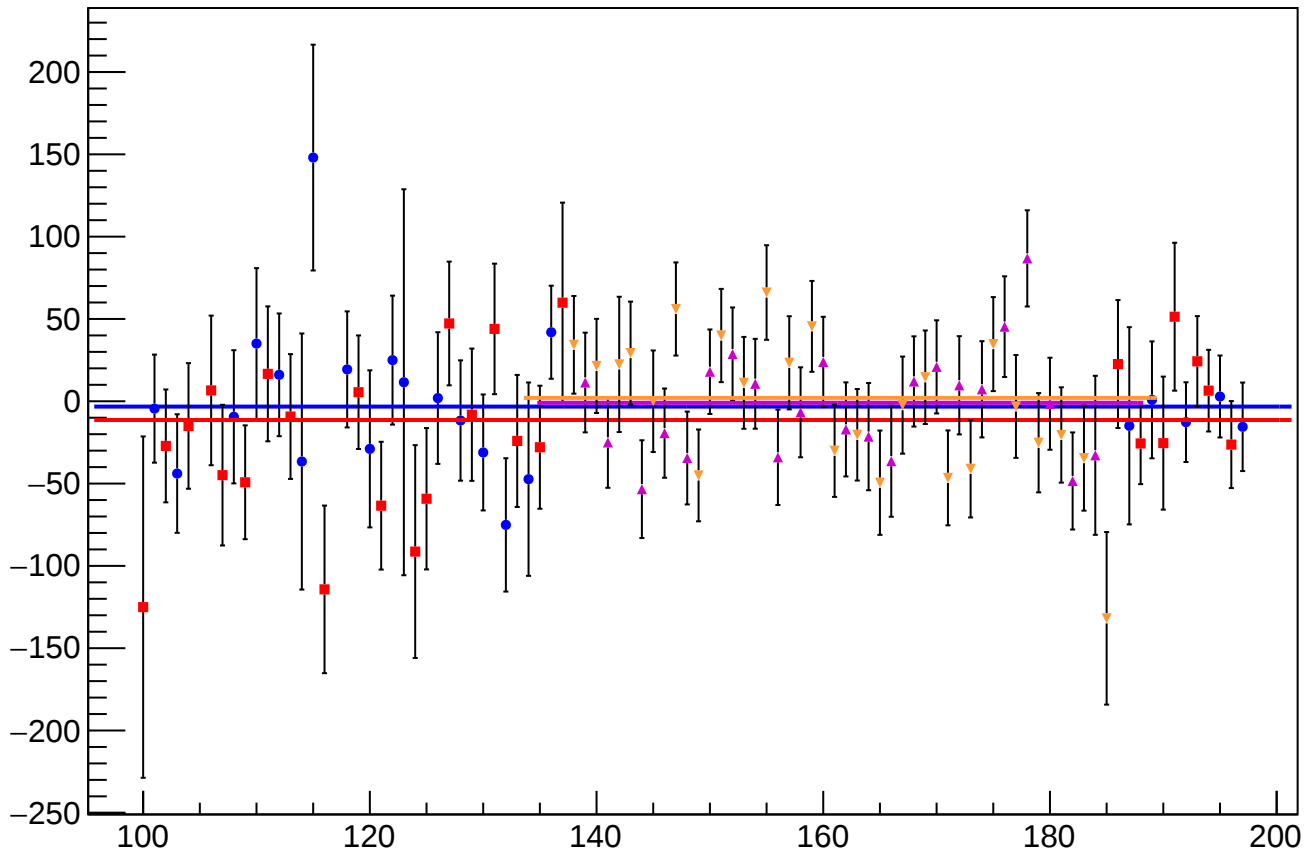
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF: 1548907.7/22

+ sign 194.942 $\pm$ 0.027 χ^2 /NDF: 3711202.5/46

All: 188.419 $\pm$ 0.019 χ^2 /NDF: 7905513.2/95

- sign 182.671 $\pm$ 0.026 χ^2 /NDF: 4086101.3/48

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -3.231 ± 7.916 $\chi^2/\text{NDF}: 16.0/21$

Left Out: 2.054 ± 5.970 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -11.373 ± 7.288 $\chi^2/\text{NDF}: 24.5/25$

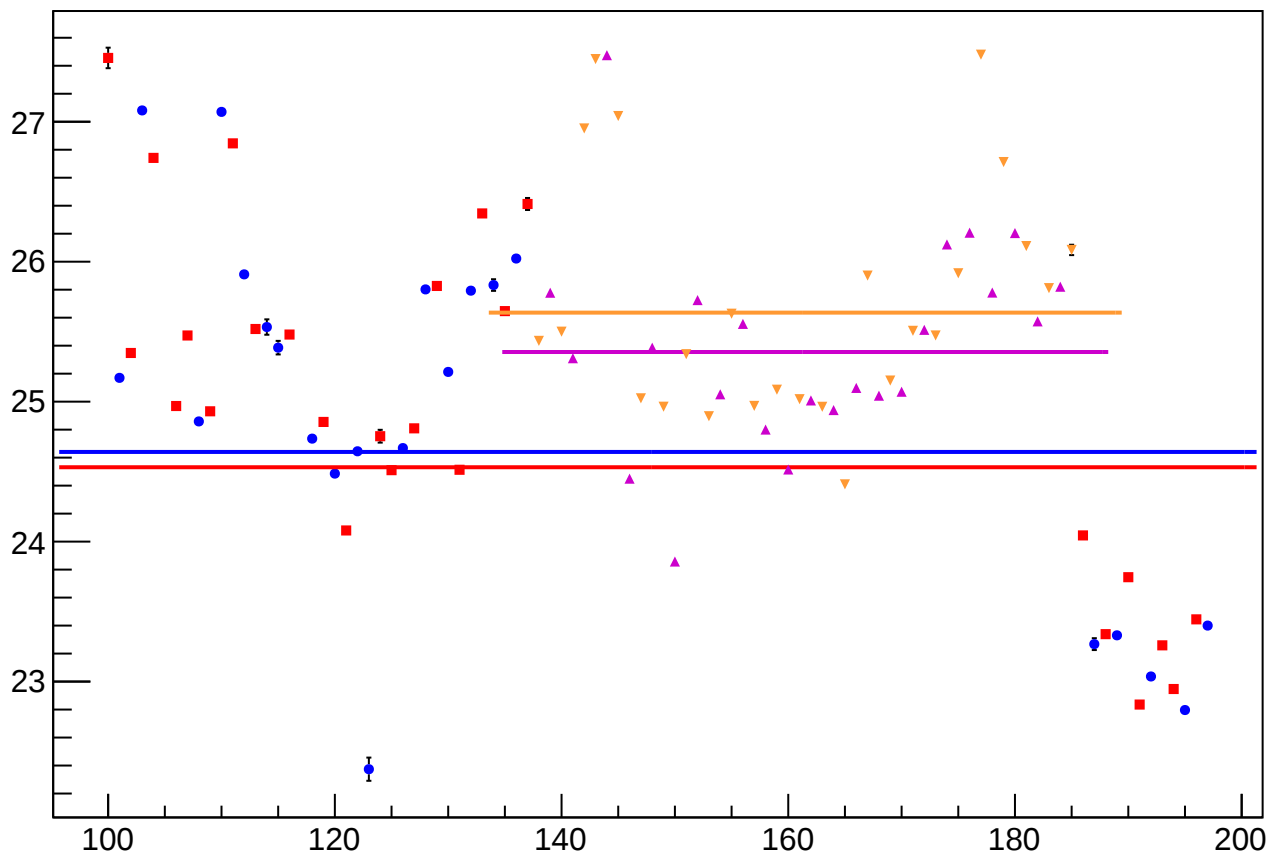
Left In: -0.900 ± 6.069 $\chi^2/\text{NDF}: 27.1/22$

+ sign 0.138 ± 4.766 $\chi^2/\text{NDF}: 55.7/46$

All: -2.584 ± 3.334 $\chi^2/\text{NDF}: 109.1/95$

- sign -5.189 ± 4.664 $\chi^2/\text{NDF}: 52.8/48$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.641 $\pm$ 0.006 χ^2 /NDF: 56546.9/21

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 24.531 $\pm$ 0.005 χ^2 /NDF: 54150.0/25

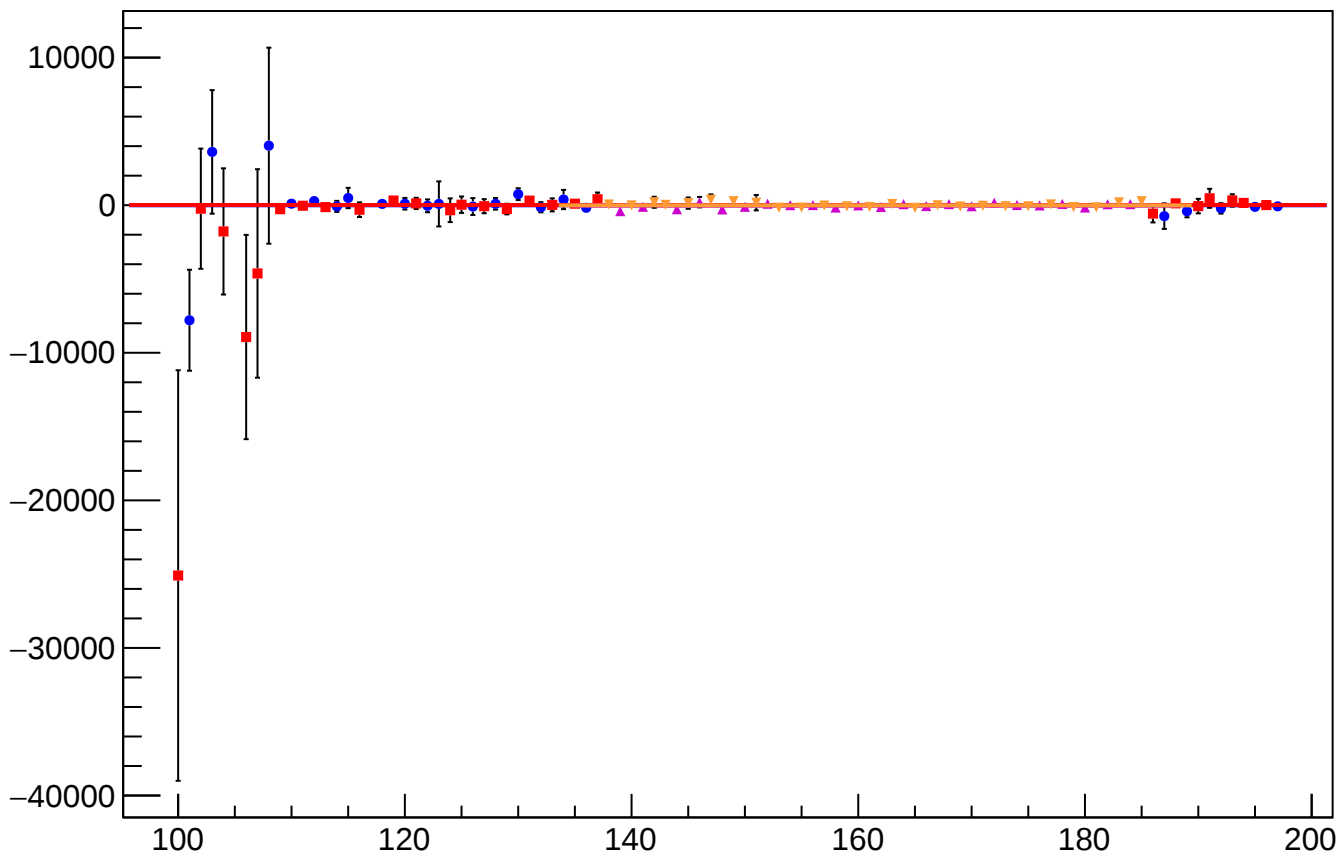
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 25.275 $\pm$ 0.003 χ^2 /NDF: 111836.2/46

All: 25.144 $\pm$ 0.002 χ^2 /NDF: 213811.6/95

- sign 25.018 $\pm$ 0.003 χ^2 /NDF: 98990.2/48

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -6.743+/-67.389 χ^2/NDF : 16.4/21

Left Out: -12.820+/-48.216 χ^2/NDF : 7.9/24

Right Out: 13.035+/-64.819 χ^2/NDF : 14.7/25

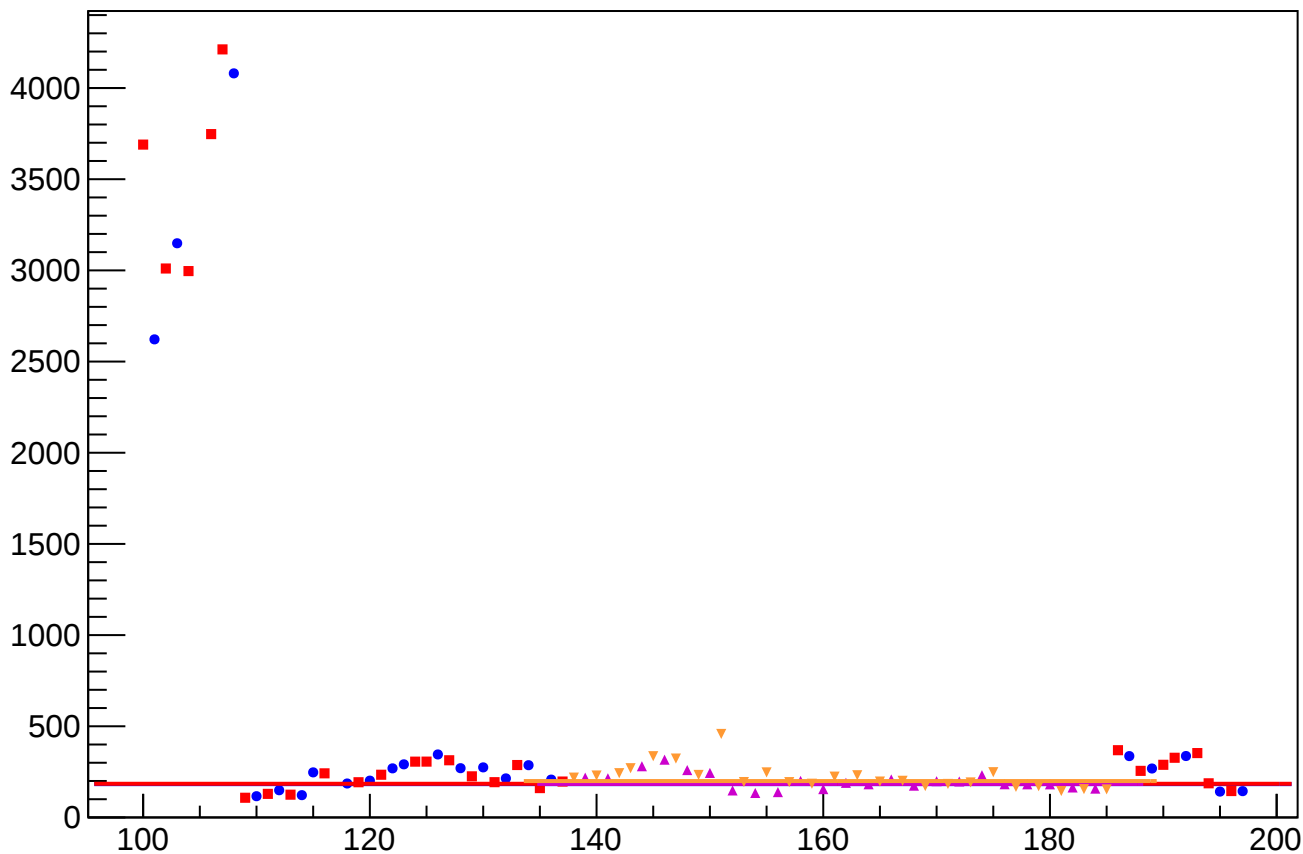
Left In: -26.836+/-45.876 χ^2/NDF : 7.5/22

+ sign -10.763+/-39.213 χ^2/NDF : 24.3/46

All: -12.210+/-27.081 χ^2/NDF : 46.7/95

- sign -13.530+/-37.446 χ^2/NDF : 22.5/48

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 182.640 $\pm$ 0.048 χ^2 /NDF: 4371616.3/21

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF:1880548.8/24

Right Out: 184.670 $\pm$ 0.046 χ^2 /NDF: 5198969.3/25

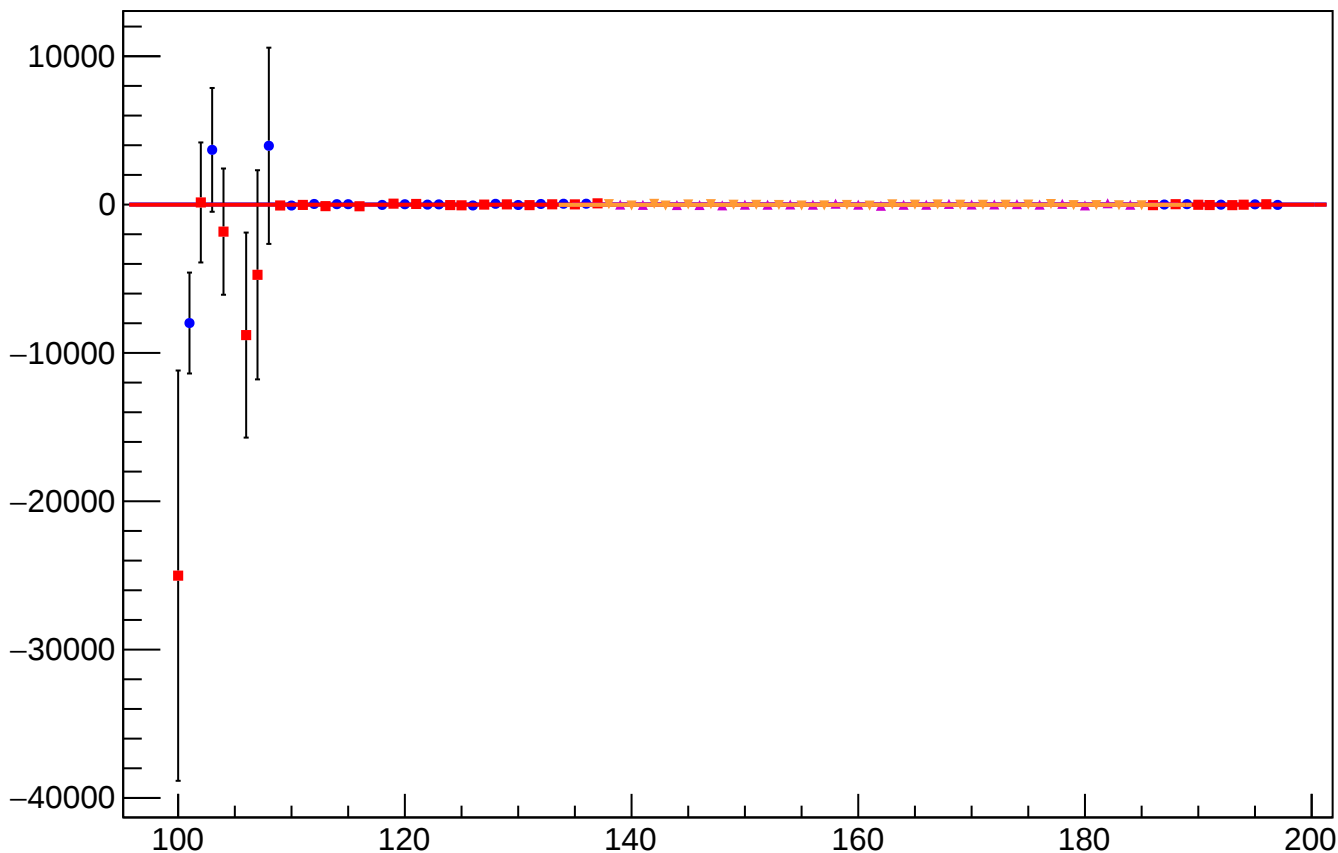
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF:1423454.3/22

+ sign 193.815 $\pm$ 0.028 χ^2 /NDF: 6335316.6/46

All: 188.809 $\pm$ 0.019 χ^2 /NDF: 13020177.1/95

- sign 184.245 $\pm$ 0.026 χ^2 /NDF: 6622553.0/48

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 7.020 $\pm$ 9.658 χ^2 /NDF: 20.4/21

Left Out: -17.580 $\pm$ 6.694 χ^2 /NDF:22.3/24

Right Out: -8.879 $\pm$ 9.083 χ^2 /NDF: 27.9/25

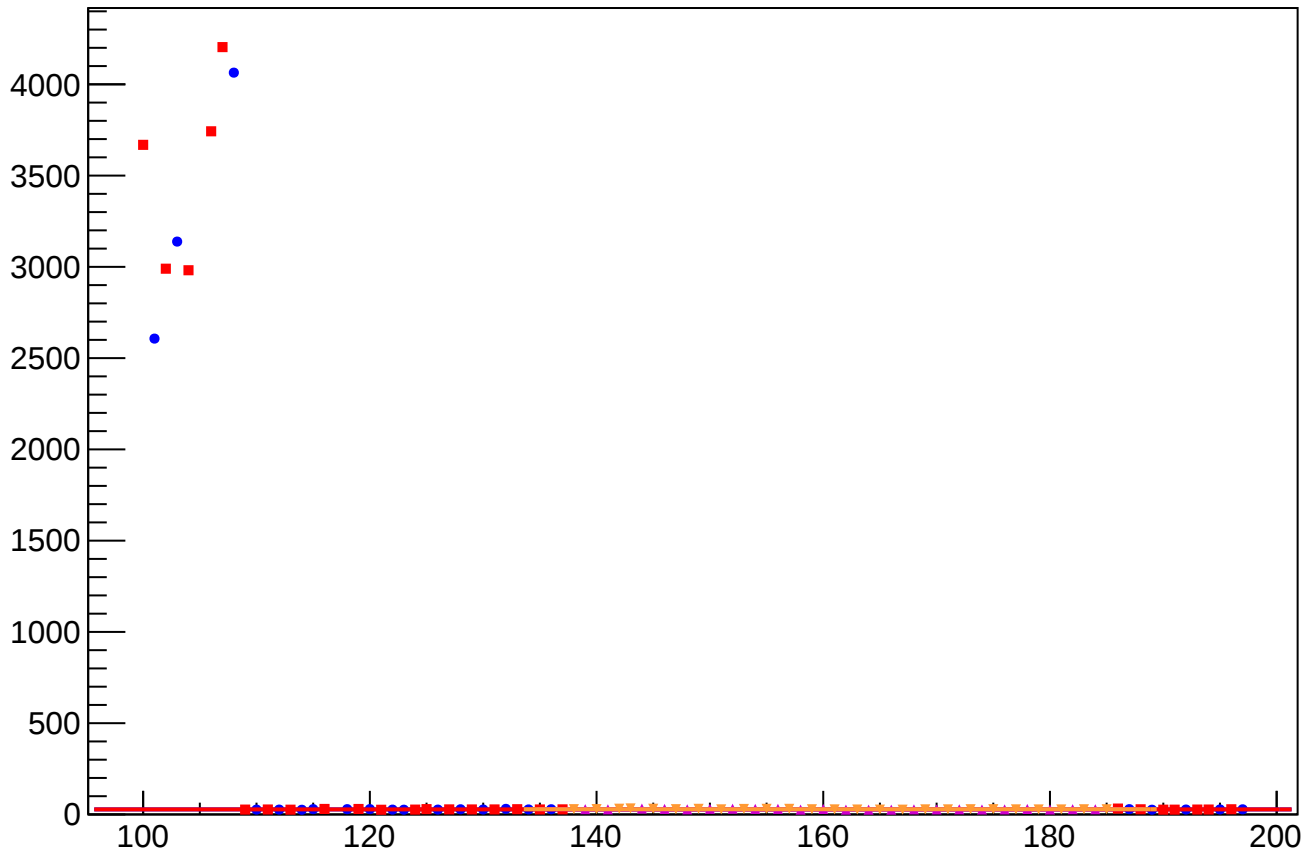
Left In: -1.038 $\pm$ 6.880 χ^2 /NDF:32.4/22

+ sign -9.597 $\pm$ 5.501 χ^2 /NDF: 47.2/46

All: -6.738 $\pm$ 3.884 χ^2 /NDF: 108.5/95

- sign -3.897 $\pm$ 5.484 χ^2 /NDF: 60.8/48

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.651 $\pm$ 0.007 χ^2 /NDF: 3034748.3/21

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.700 $\pm$ 0.006 χ^2 /NDF: 3500156.0/25

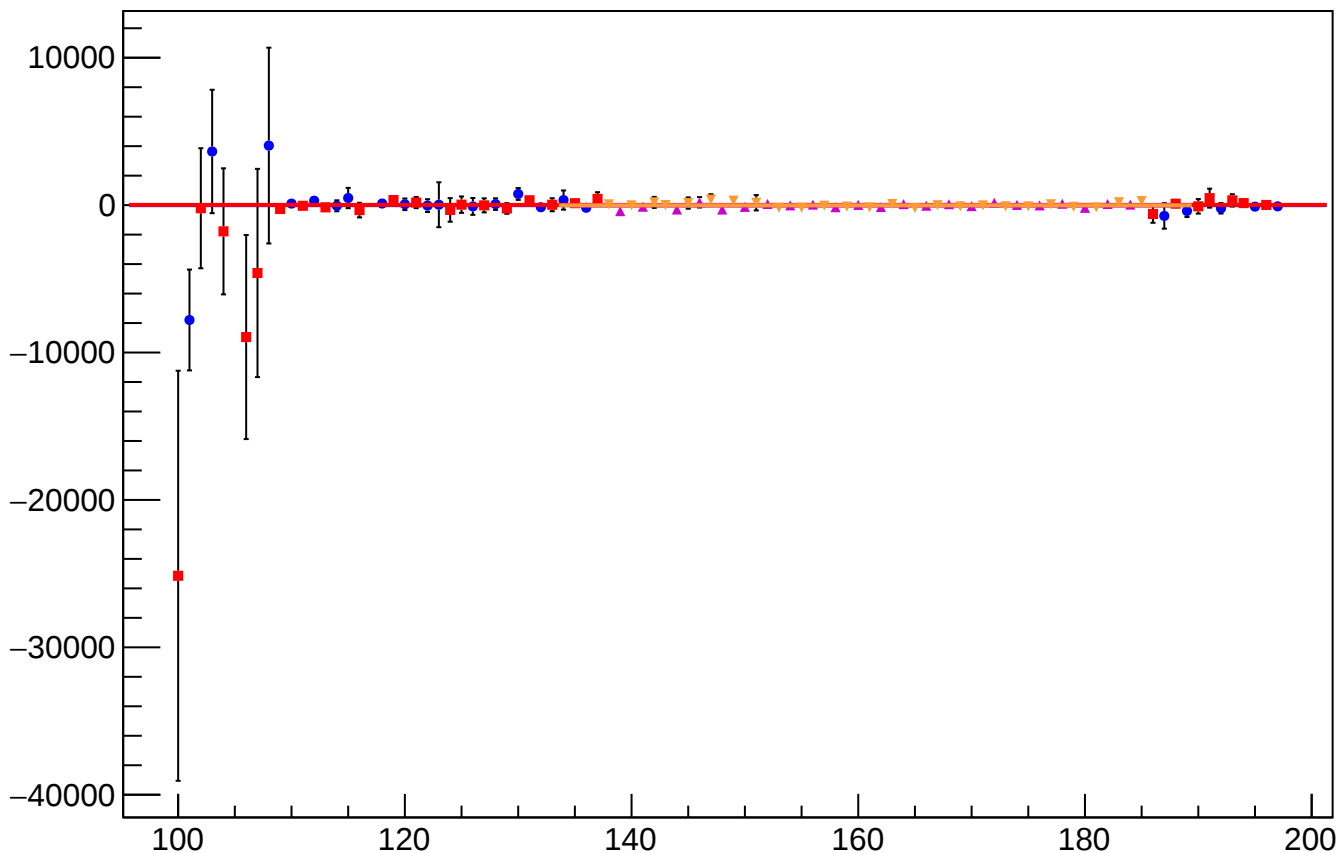
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.353 $\pm$ 0.004 χ^2 /NDF: 3160885.3/46

All: 28.336 $\pm$ 0.003 χ^2 /NDF: 6800417.4/95

- sign 28.318 $\pm$ 0.004 χ^2 /NDF: 3639490.4/48

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -1.713 ± 67.188 χ^2/NDF : 16.6/21

Left Out: -15.483 ± 48.109 χ^2/NDF : 8.7/24

Right Out: 16.570 ± 64.636 χ^2/NDF : 15.4/25

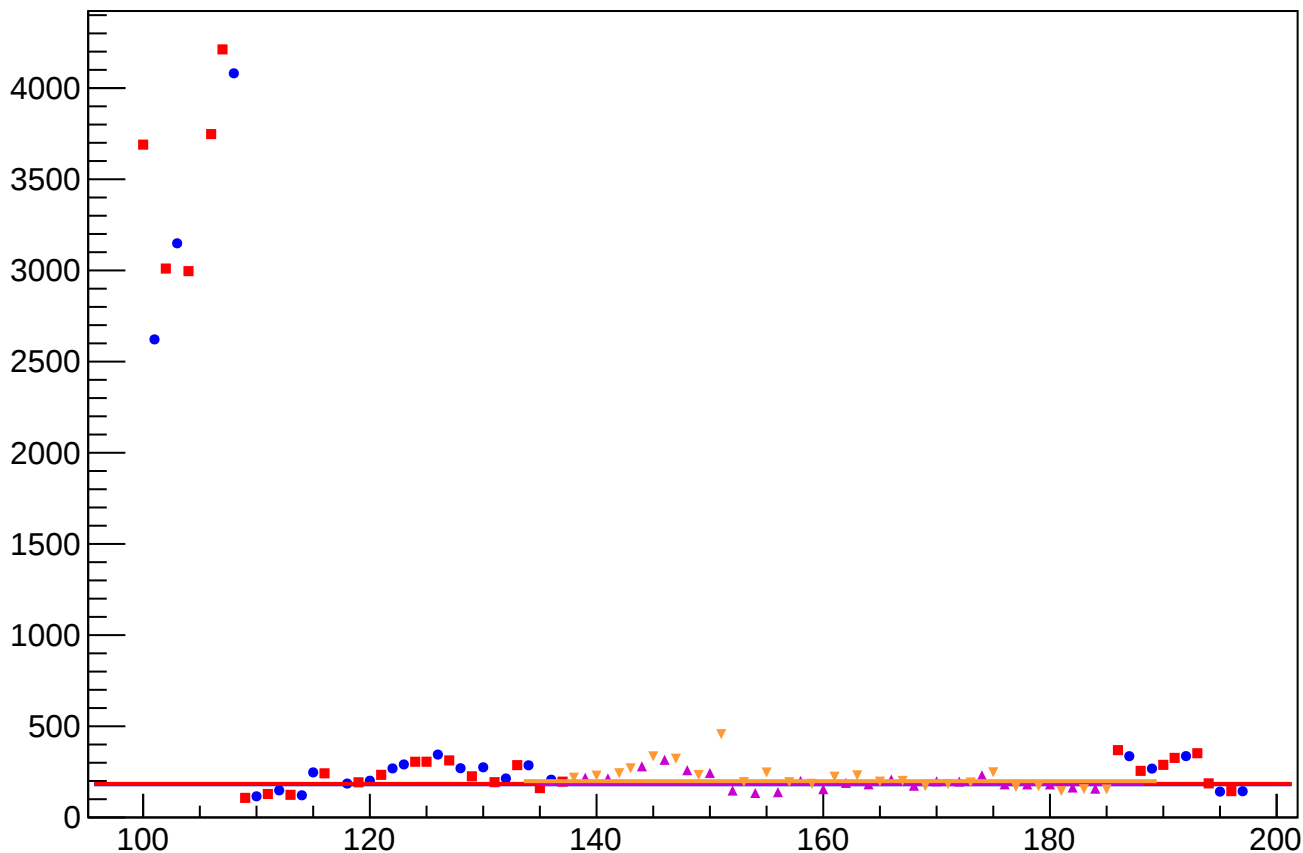
Left In: -27.009 ± 45.785 χ^2/NDF : 7.8/22

+ sign -10.816 ± 39.116 χ^2/NDF : 25.3/46

All: -11.670 ± 27.017 χ^2/NDF : 48.8/95

- sign -12.449 ± 37.361 χ^2/NDF : 23.5/48

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 182.017 $\pm$ 0.048 χ^2 /NDF: 4384795.6/21

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF:1880343.4/24

Right Out: 184.053 $\pm$ 0.046 χ^2 /NDF: 5217026.0/25

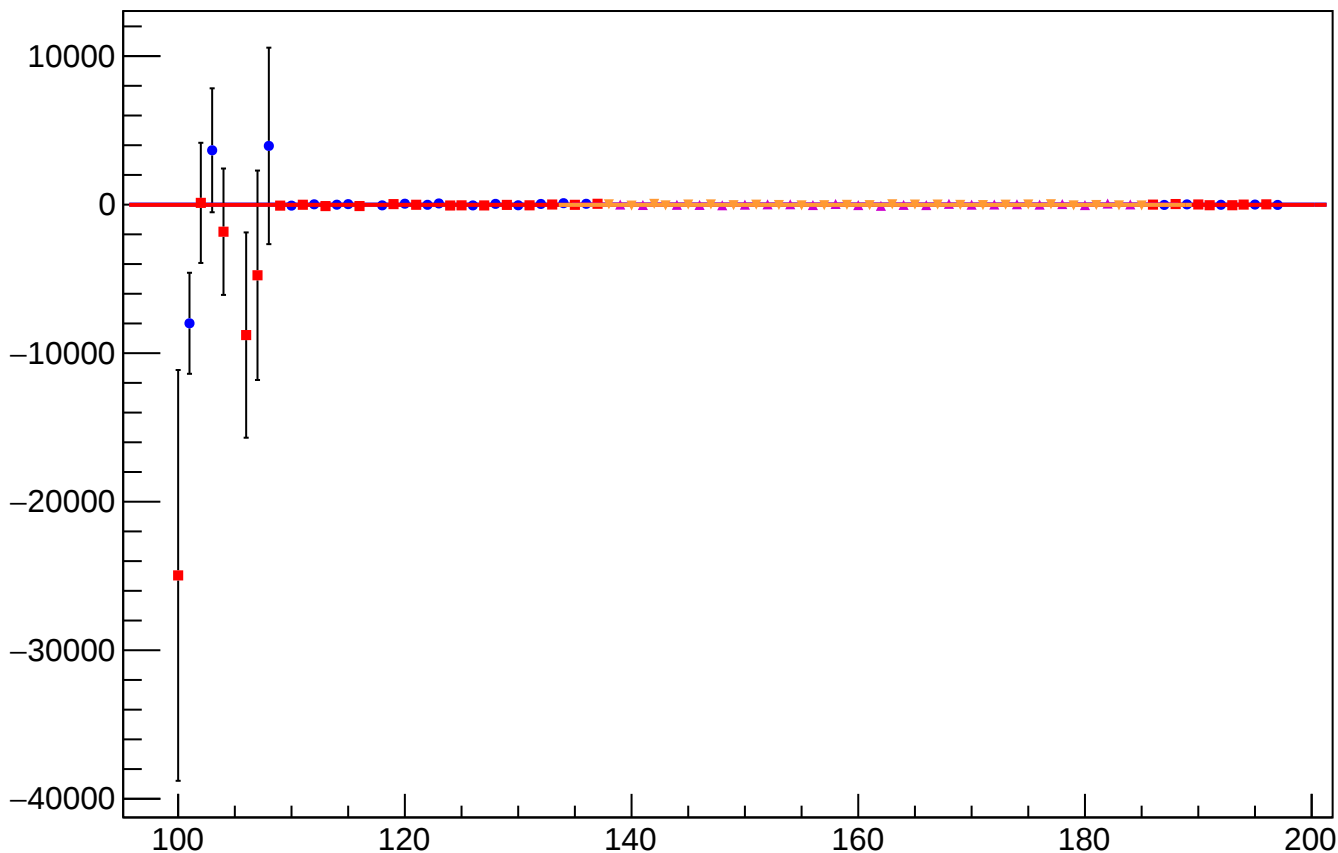
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 193.306 $\pm$ 0.028 χ^2 /NDF: 6350550.4/46

All: 188.333 $\pm$ 0.019 χ^2 /NDF: 13052339.1/95

- sign 183.796 $\pm$ 0.026 χ^2 /NDF: 6639969.1/48

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 3.040 $\pm$ 9.678 χ^2 /NDF: 23.9/21

Left Out: -15.006 $\pm$ 6.723 χ^2 /NDF:17.5/24

Right Out: -13.815 $\pm$ 9.111 χ^2 /NDF: 23.8/25

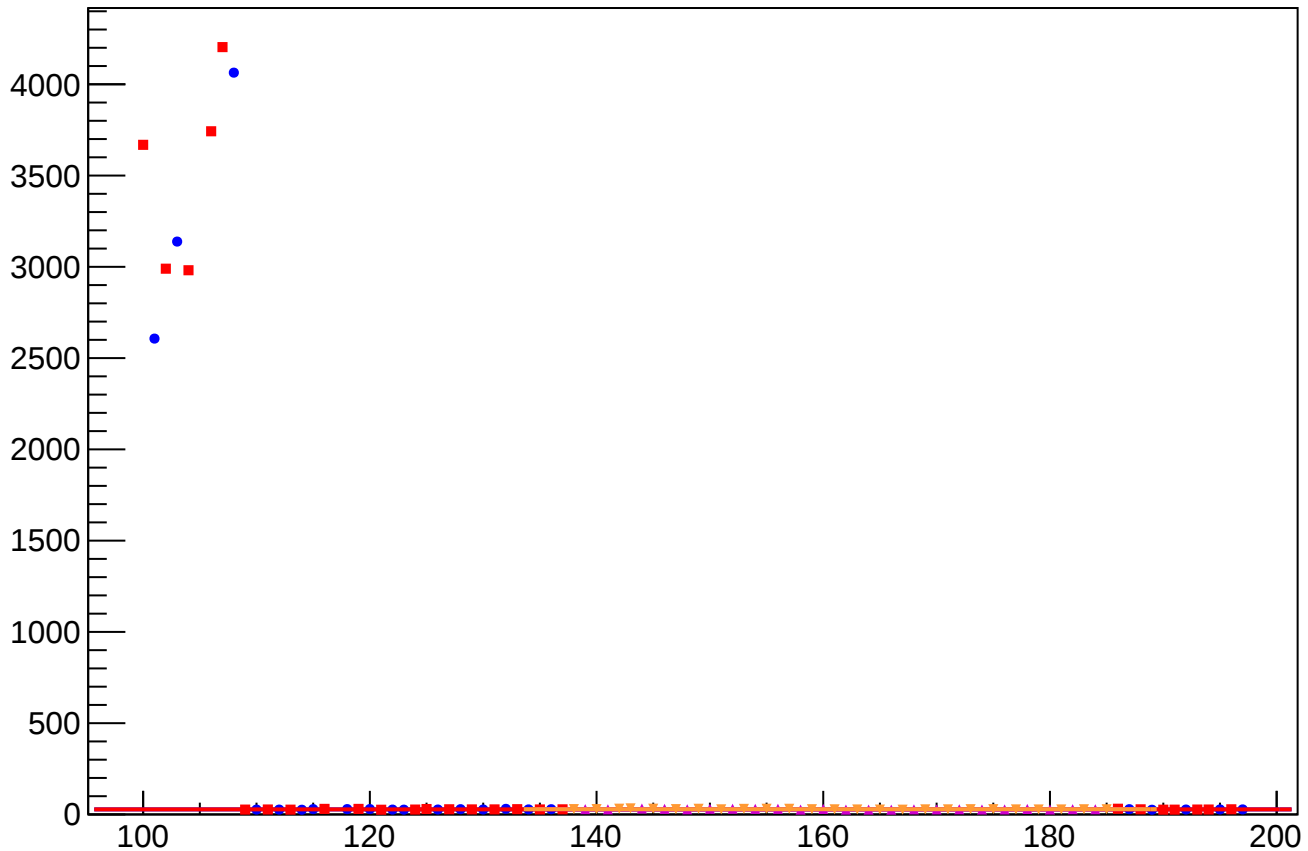
Left In: 0.702 $\pm$ 6.909 χ^2 /NDF:26.4/22

+ sign -9.132 $\pm$ 5.522 χ^2 /NDF: 43.7/46

All: -6.858 $\pm$ 3.899 χ^2 /NDF: 95.8/95

- sign -4.598 $\pm$ 5.505 χ^2 /NDF: 51.7/48

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.705 $\pm$ 0.007 χ^2 /NDF: 3036634.3/21

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.785 $\pm$ 0.006 χ^2 /NDF: 3497755.1/25

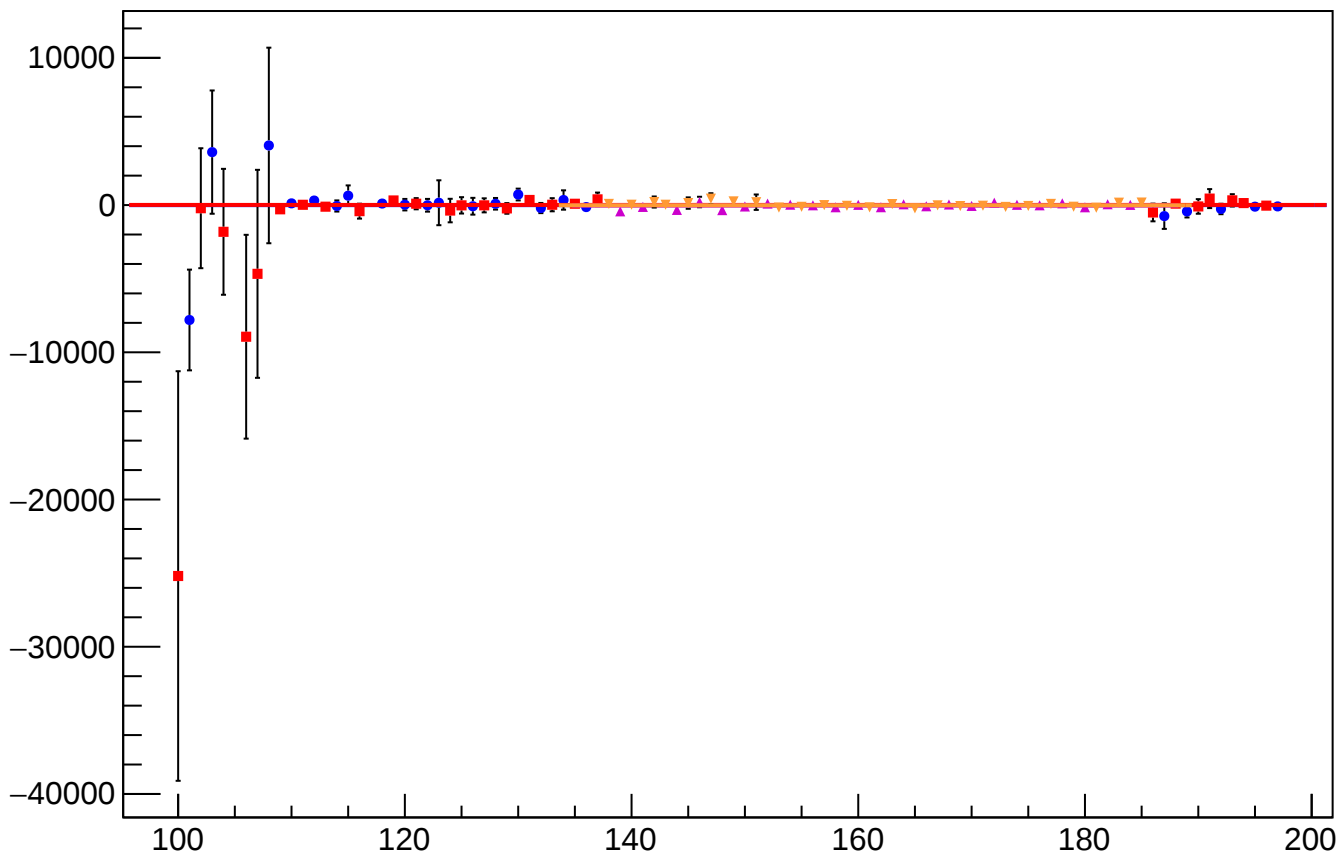
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.452 $\pm$ 0.004 χ^2 /NDF: 3176263.9/46

All: 28.438 $\pm$ 0.003 χ^2 /NDF: 6818952.9/95

- sign 28.425 $\pm$ 0.004 χ^2 /NDF: 3642664.1/48

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -4.367 ± 67.748 χ^2/NDF : 17.0/21

Left Out: -15.548 ± 48.688 χ^2/NDF : 8.0/24

Right Out: 10.161 ± 65.308 χ^2/NDF : 14.6/25

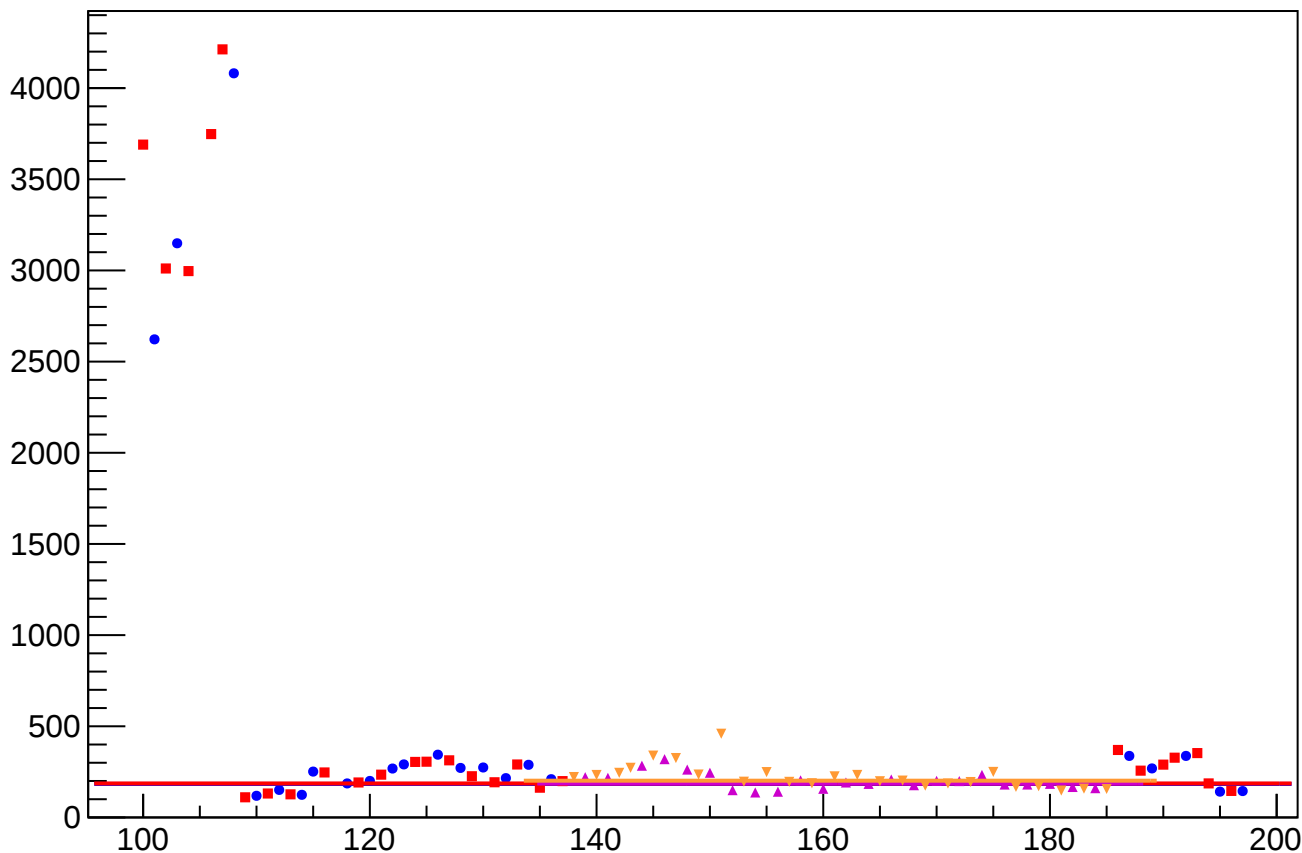
Left In: -31.170 ± 46.359 χ^2/NDF : 8.2/22

+ sign -11.740 ± 39.537 χ^2/NDF : 25.0/46

All: -14.656 ± 27.323 χ^2/NDF : 48.1/95

- sign -17.322 ± 37.803 χ^2/NDF : 23.1/48

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 183.753 $\pm$ 0.048 χ^2 /NDF: 4347233.3/21

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF:1857453.2/24

Right Out: 186.423 $\pm$ 0.046 χ^2 /NDF: 5141281.5/25

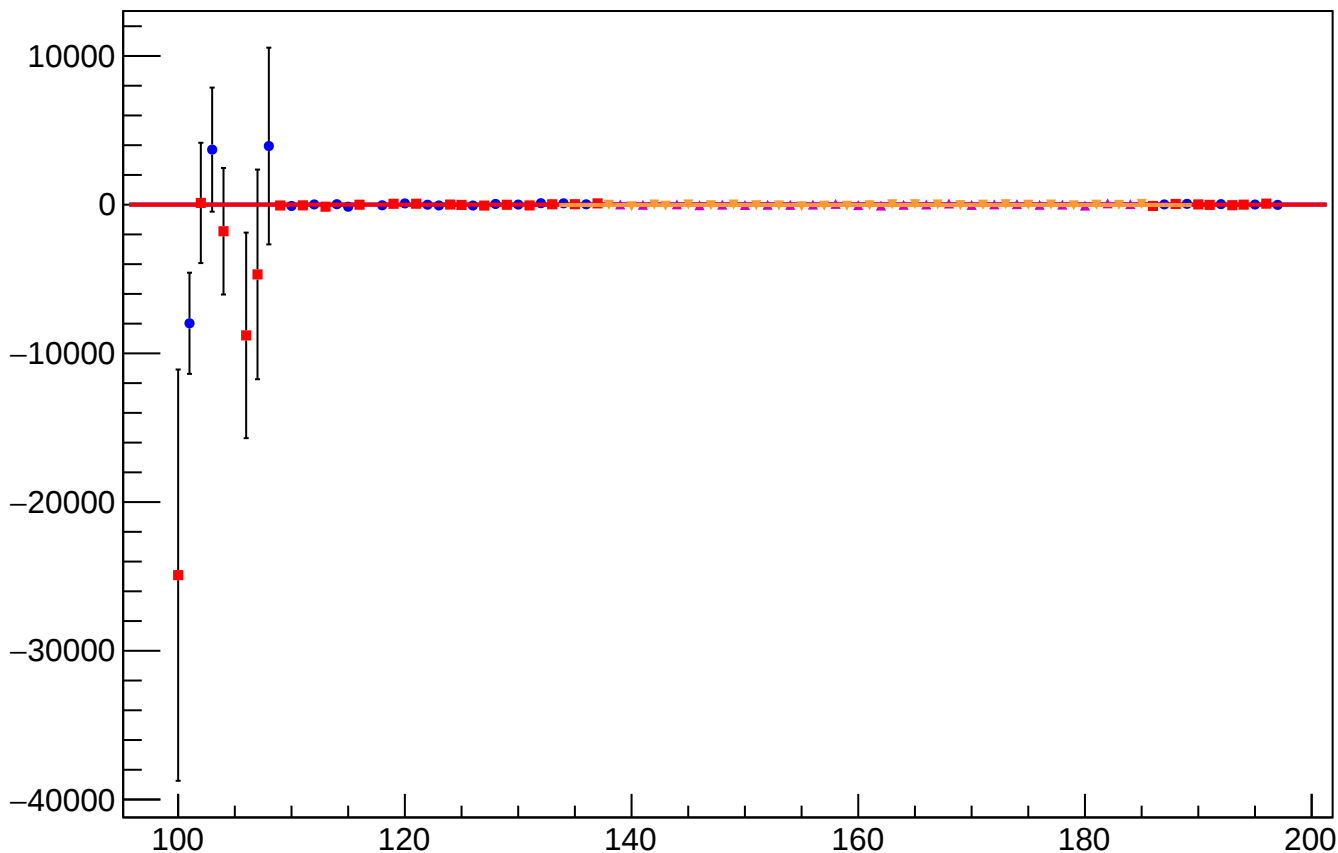
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF:1391327.2/22

+ sign 195.522 $\pm$ 0.028 χ^2 /NDF: 6296214.9/46

All: 190.659 $\pm$ 0.019 χ^2 /NDF: 12886775.2/95

- sign 186.213 $\pm$ 0.027 χ^2 /NDF: 6532639.8/48

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 11.830+/-11.802 χ^2/NDF : 22.0/21

Left Out: -23.360+/-8.064 χ^2/NDF : 25.8/24

Right Out: -1.373+/-11.092 χ^2/NDF : 29.8/25

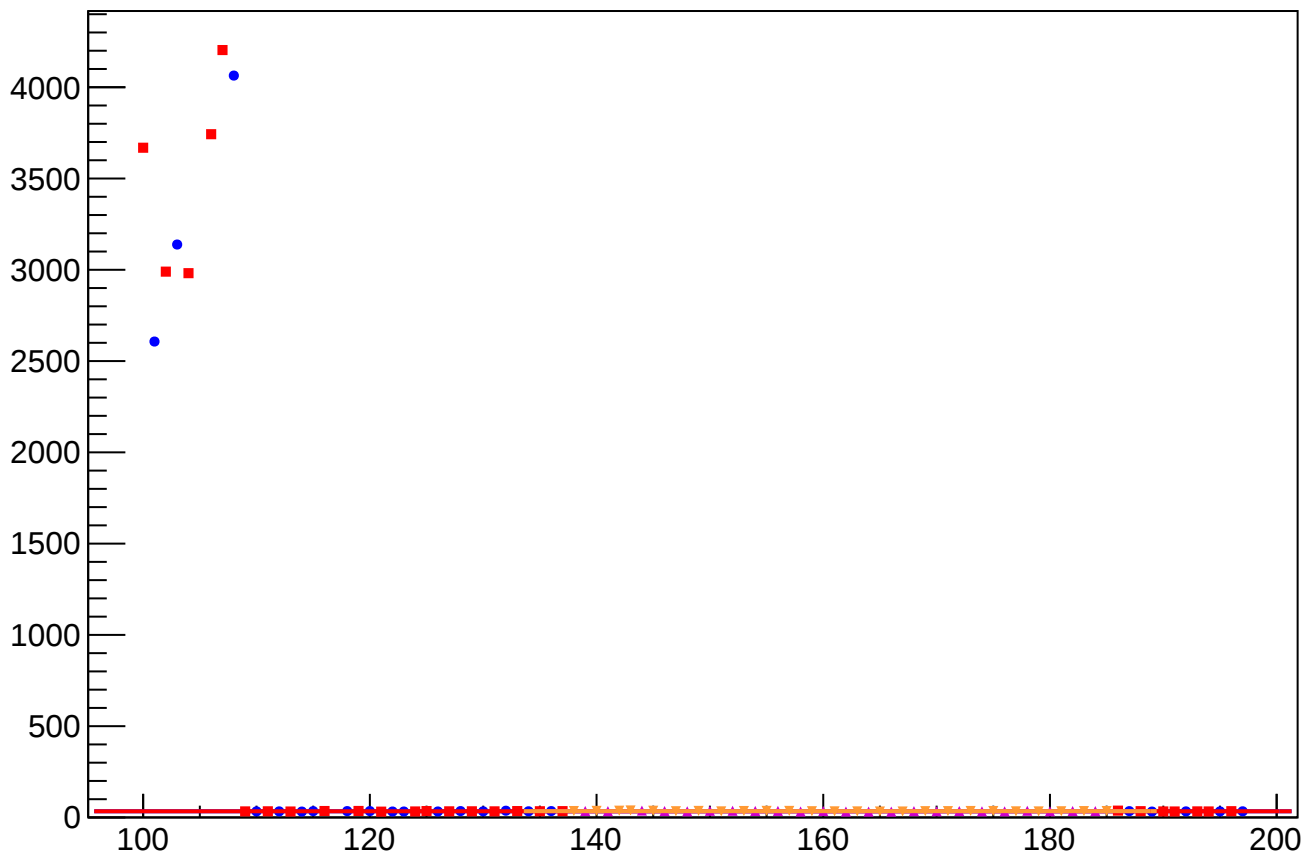
Left In: 6.001+/-8.309 χ^2/NDF : 21.1/22

+ sign -12.160+/-6.658 χ^2/NDF : 53.8/46

All: -4.395+/-4.705 χ^2/NDF : 107.8/95

- sign 3.351+/-6.650 χ^2/NDF : 51.3/48

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.817 $\pm$ 0.008 χ^2 /NDF: 3011090.8/21

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.889 $\pm$ 0.008 χ^2 /NDF: 3462384.1/25

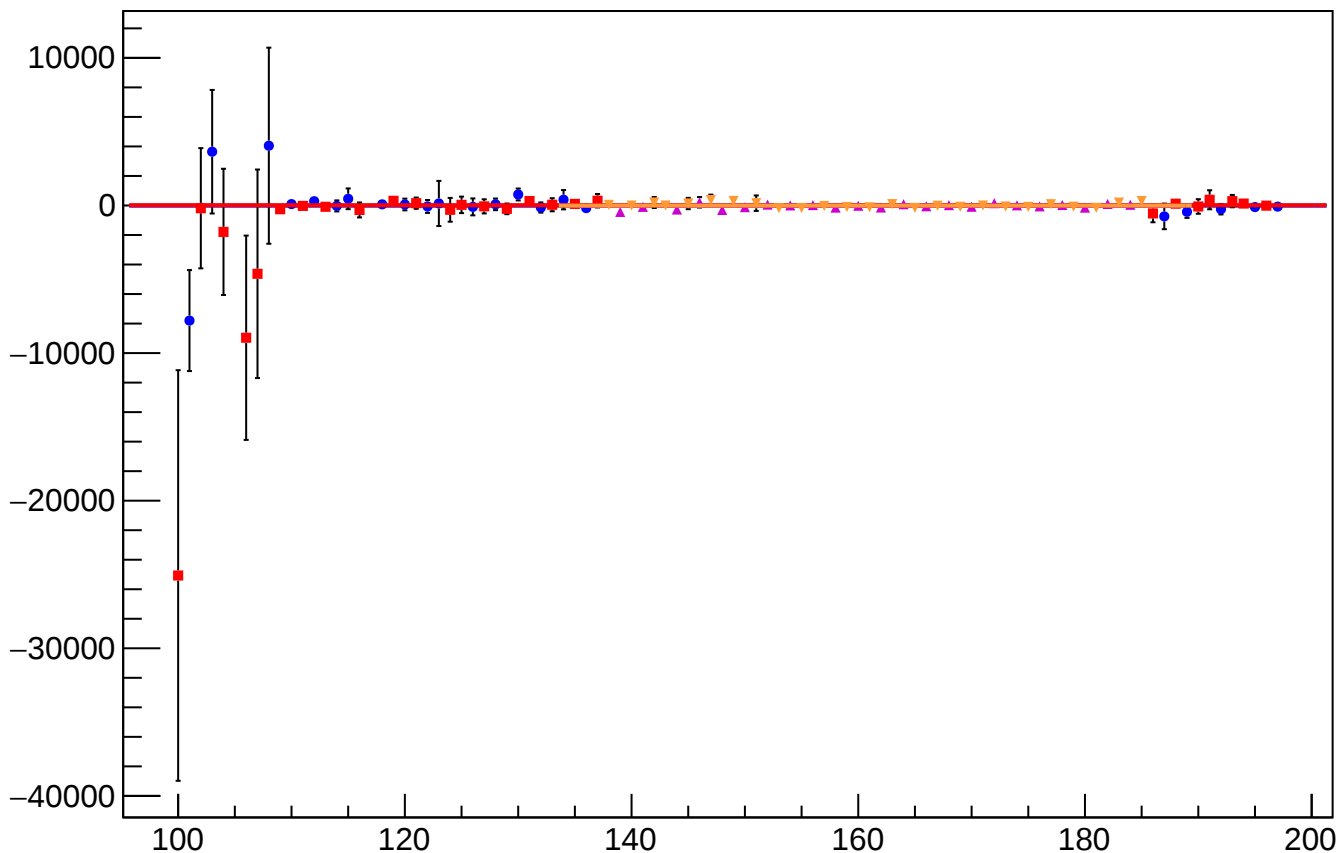
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.361 $\pm$ 0.005 χ^2 /NDF: 3075258.1/46

All: 34.380 $\pm$ 0.003 χ^2 /NDF: 6604584.7/95

- sign 34.399 $\pm$ 0.005 χ^2 /NDF: 3529293.3/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -8.493+/-67.518 χ^2/NDF : 16.5/21

Left Out: -8.916+/-48.615 χ^2/NDF : 8.6/24

Right Out: 16.165+/-64.977 χ^2/NDF : 13.3/25

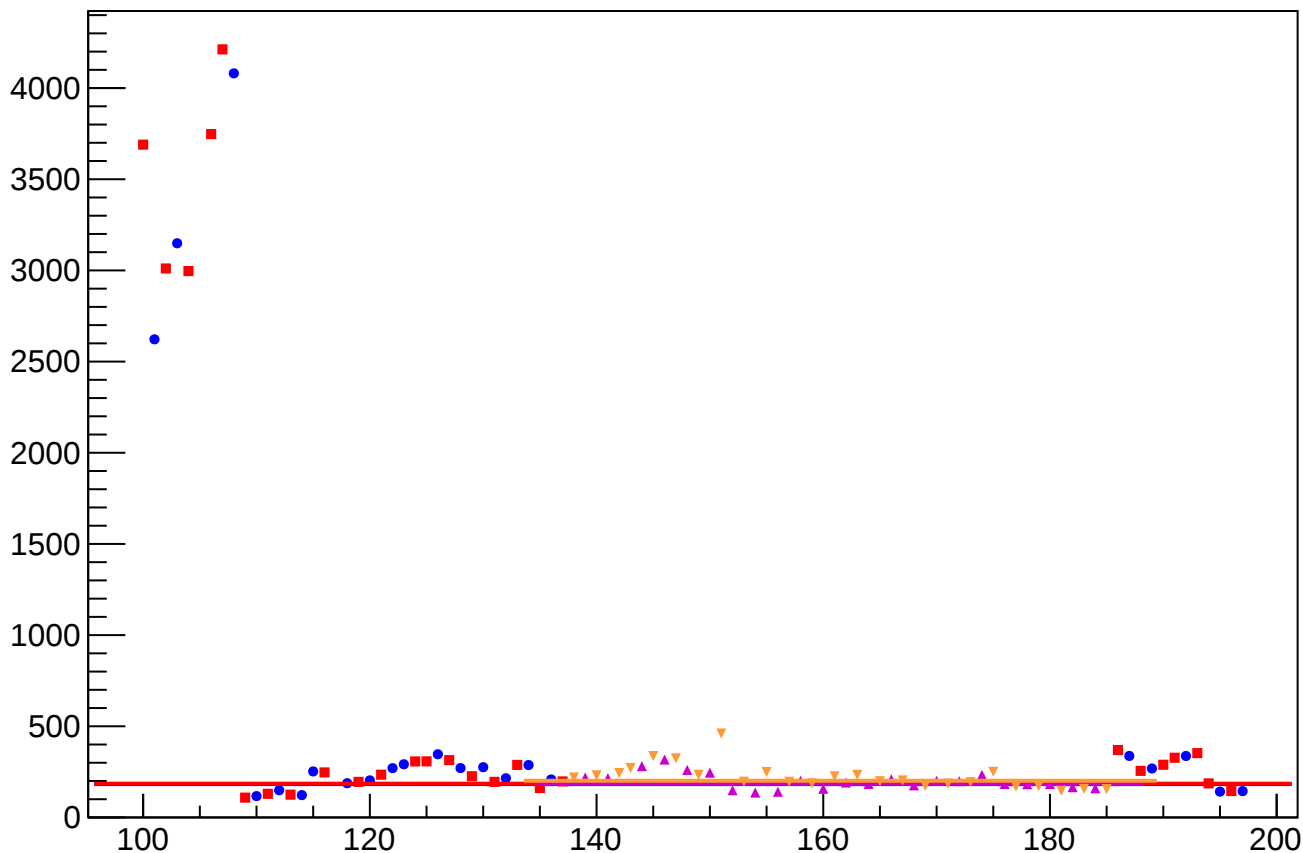
Left In: -34.127+/-46.296 χ^2/NDF : 7.4/22

+ sign -8.772+/-39.452 χ^2/NDF : 25.1/46

All: -13.173+/-27.258 χ^2/NDF : 46.2/95

- sign -17.193+/-37.705 χ^2/NDF : 21.1/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 182.953 $\pm$ 0.048 χ^2 /NDF: 4379203.2/21

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF:1851134.1/24

Right Out: 185.145 $\pm$ 0.046 χ^2 /NDF: 5198427.5/25

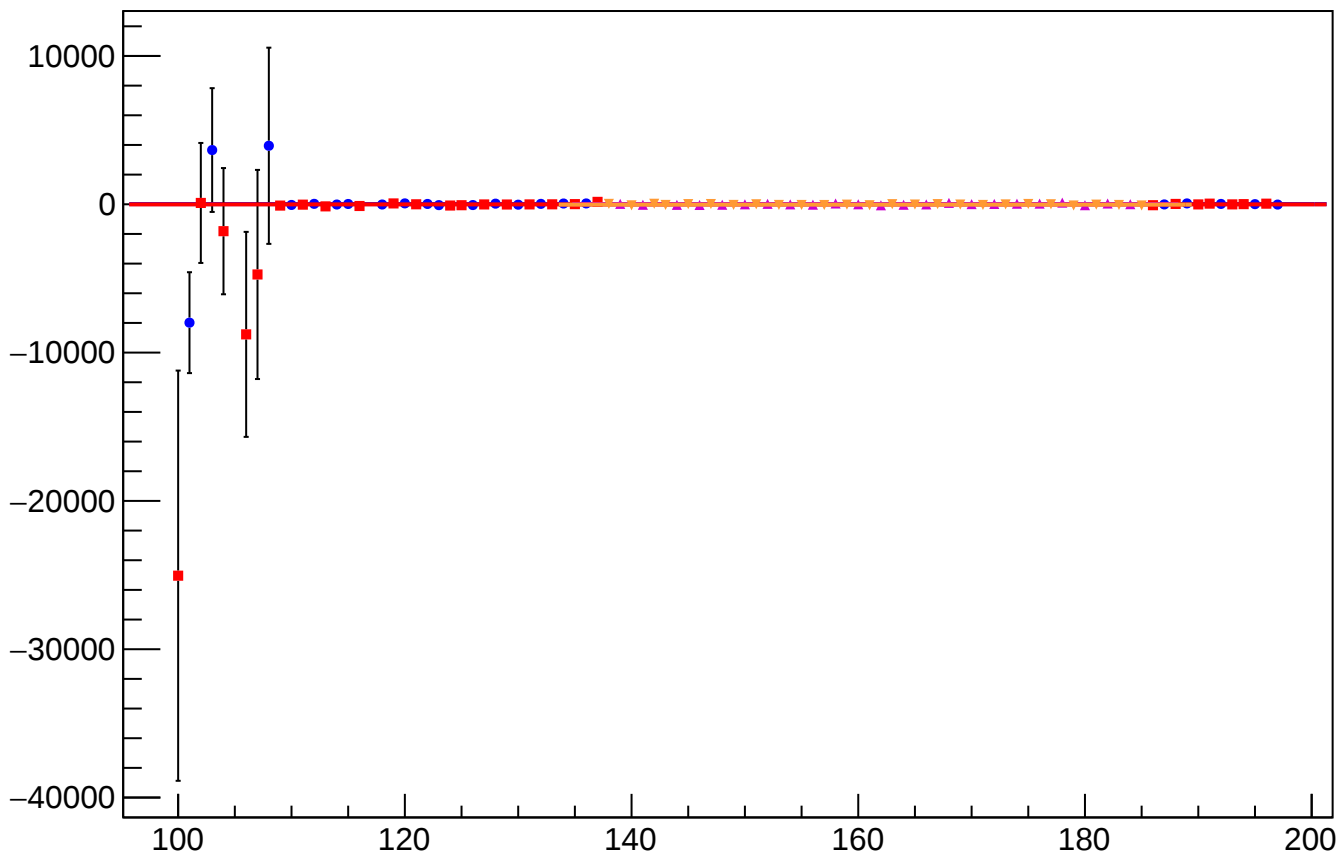
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF:1381771.9/22

+ sign 195.033 $\pm$ 0.028 χ^2 /NDF: 6327557.6/46

All: 190.111 $\pm$ 0.019 χ^2 /NDF: 12967484.6/95

- sign 185.615 $\pm$ 0.027 χ^2 /NDF: 6580357.4/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.545+/-10.718 χ^2/NDF : 16.7/21

Left Out: -22.879+/-7.340 χ^2/NDF :18.8/24

Right Out: -6.924+/-10.067 χ^2/NDF : 33.9/25

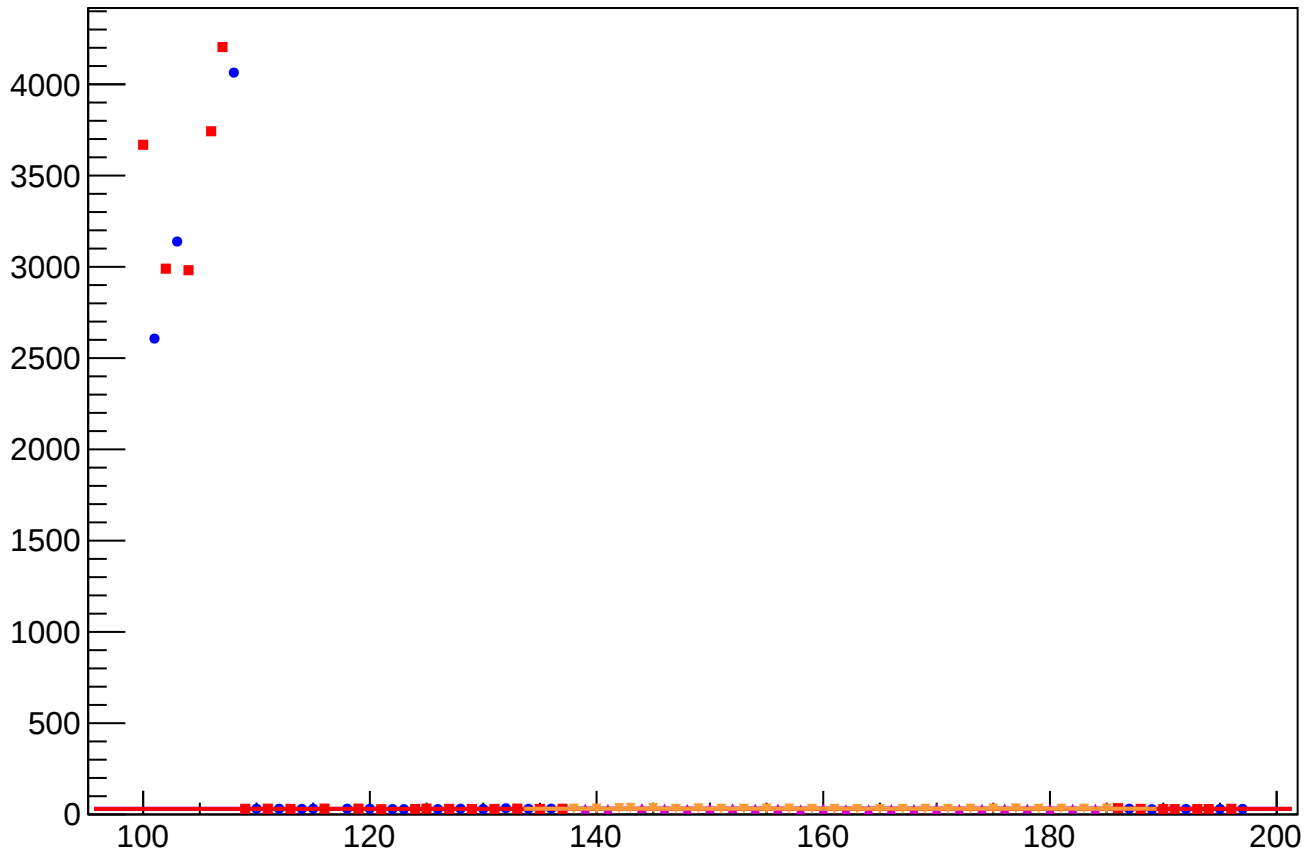
Left In: 5.943+/-7.550 χ^2/NDF :38.3/22

+ sign -11.568+/-6.056 χ^2/NDF : 42.9/46

All: -5.111+/-4.277 χ^2/NDF : 118.4/95

- sign 1.312+/-6.040 χ^2/NDF : 73.2/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.701 $\pm$ 0.008 χ^2 /NDF: 3023814.4/21

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.729 $\pm$ 0.007 χ^2 /NDF: 3475769.3/25

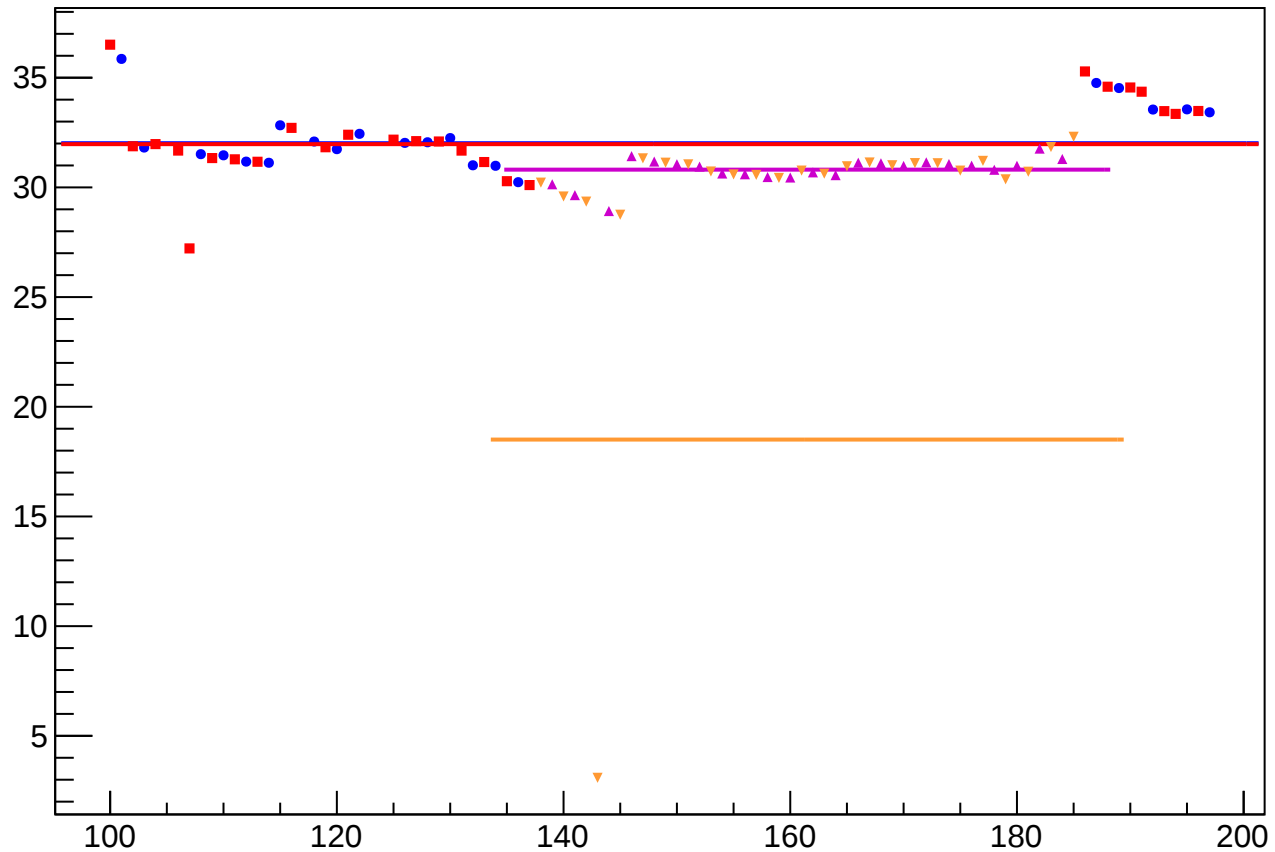
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 31.233 $\pm$ 0.004 χ^2 /NDF: 3113468.2/46

All: 31.223 $\pm$ 0.003 χ^2 /NDF: 6684431.0/95

- sign 31.213 $\pm$ 0.004 χ^2 /NDF: 3570952.0/48

yield_usl_mean vs Slug



Right In: 32.014+/-0.000 χ^2 /NDF: 2025035730.1/20

Left Out: 18.505+/-0.000 χ^2 /NDF:940607632746.3/24

Right Out: 31.971+/-0.000 χ^2 /NDF: 1886622865.3/24

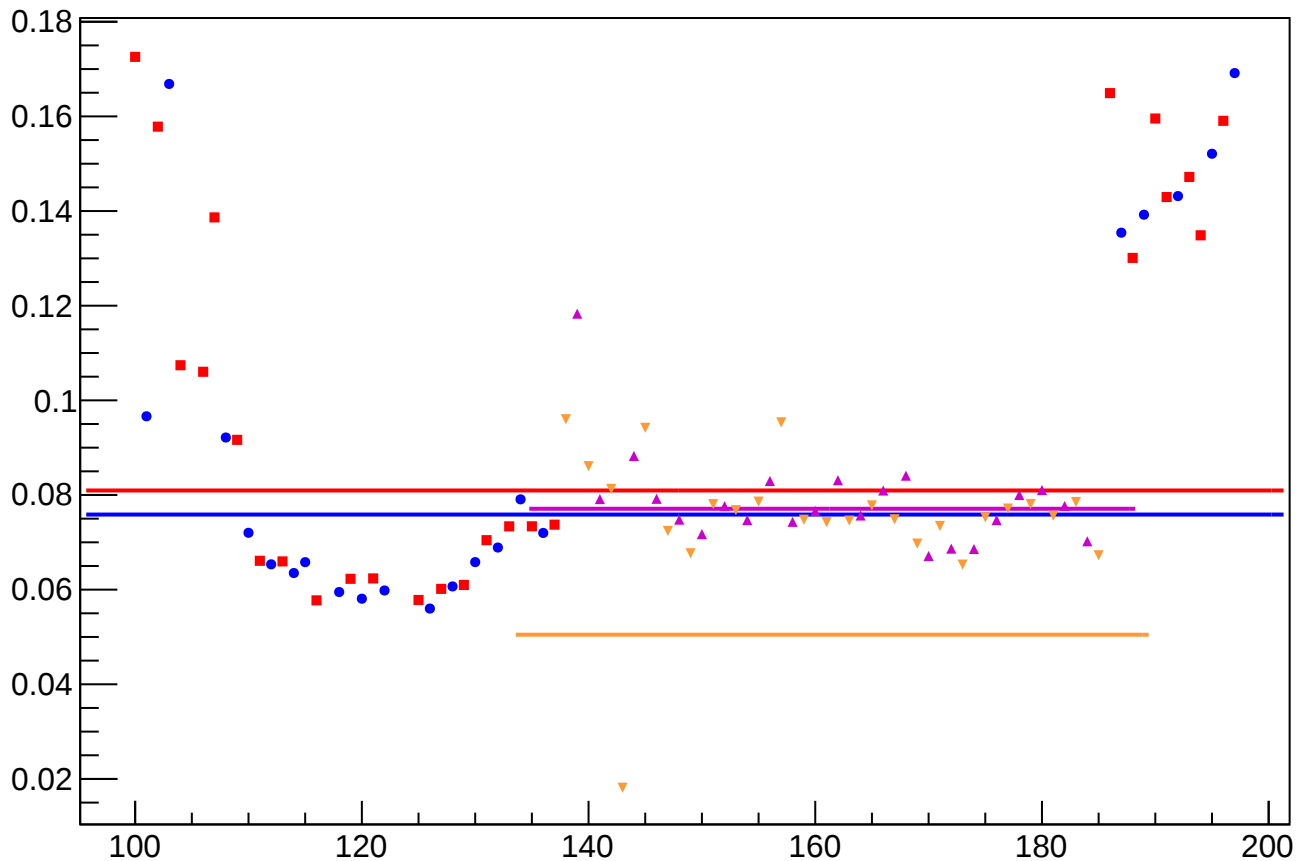
Left In: 30.809+/-0.000 χ^2 /NDF:821961762.3/22

+ sign 21.439+/-0.000 χ^2 /NDF: 1139253188370.7/4

All: 25.248+/-0.000 χ^2 /NDF: 1378889776377

- sign 31.206+/-0.000 χ^2 /NDF: 3938234899.3/47

yield_usl_rms vs Slug



Right In: 0.076 $\pm$ 0.000 χ^2 /NDF: 2246677.1/20

Left Out: 0.050 $\pm$ 0.000 χ^2 /NDF:8543648.6/24

Right Out: 0.081 $\pm$ 0.000 χ^2 /NDF: 2706203.3/24

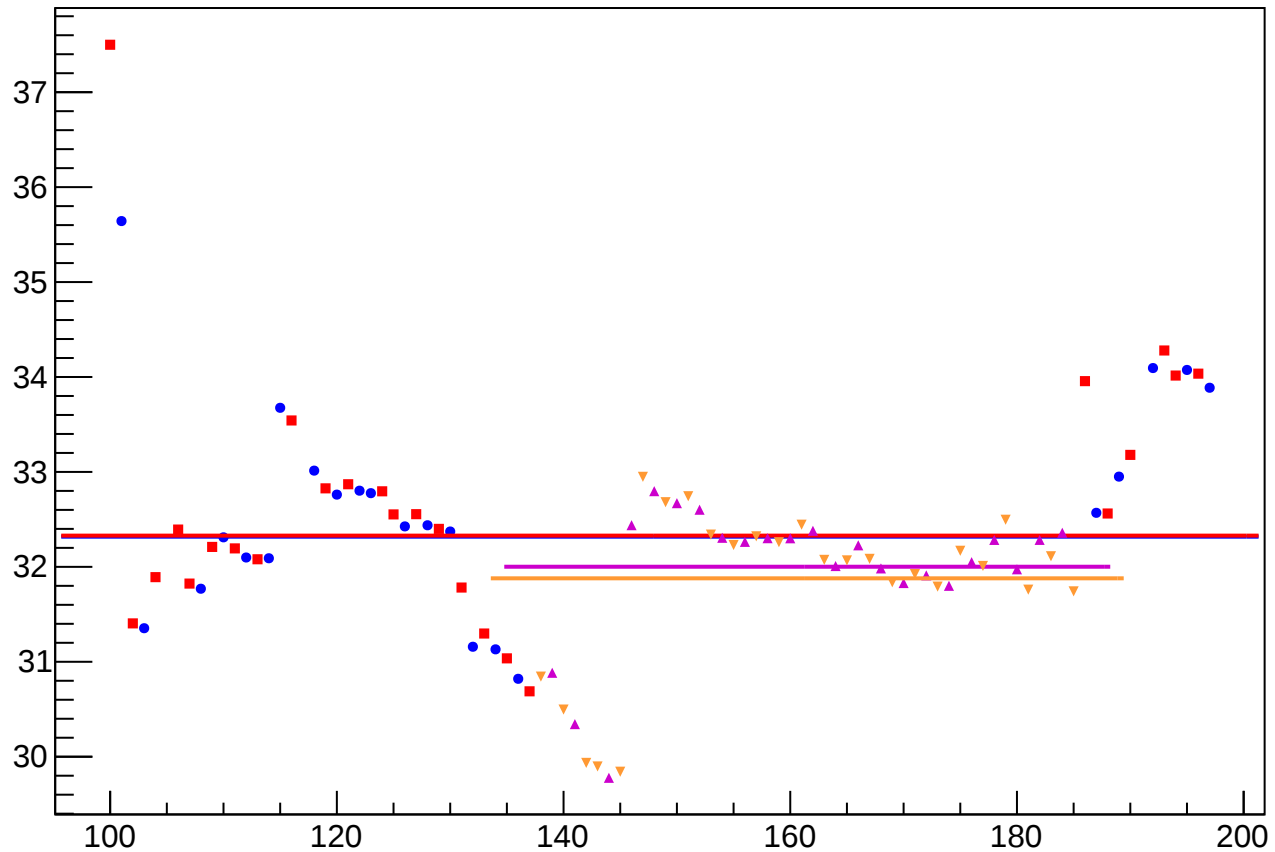
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.056 $\pm$ 0.000 χ^2 /NDF: 12179371.8/45

All: 0.065 $\pm$ 0.000 χ^2 /NDF: 17722361.0/93

- sign 0.078 $\pm$ 0.000 χ^2 /NDF: 3059277.4/47

yield_usr_mean vs Slug



Right In: 32.318+/-0.000 χ^2/NDF : 1167260775.4/21

Left Out: 31.879+/-0.000 χ^2/NDF : 1976281391.1/24

Right Out: 32.329+/-0.000 χ^2/NDF : 684735088.6/24

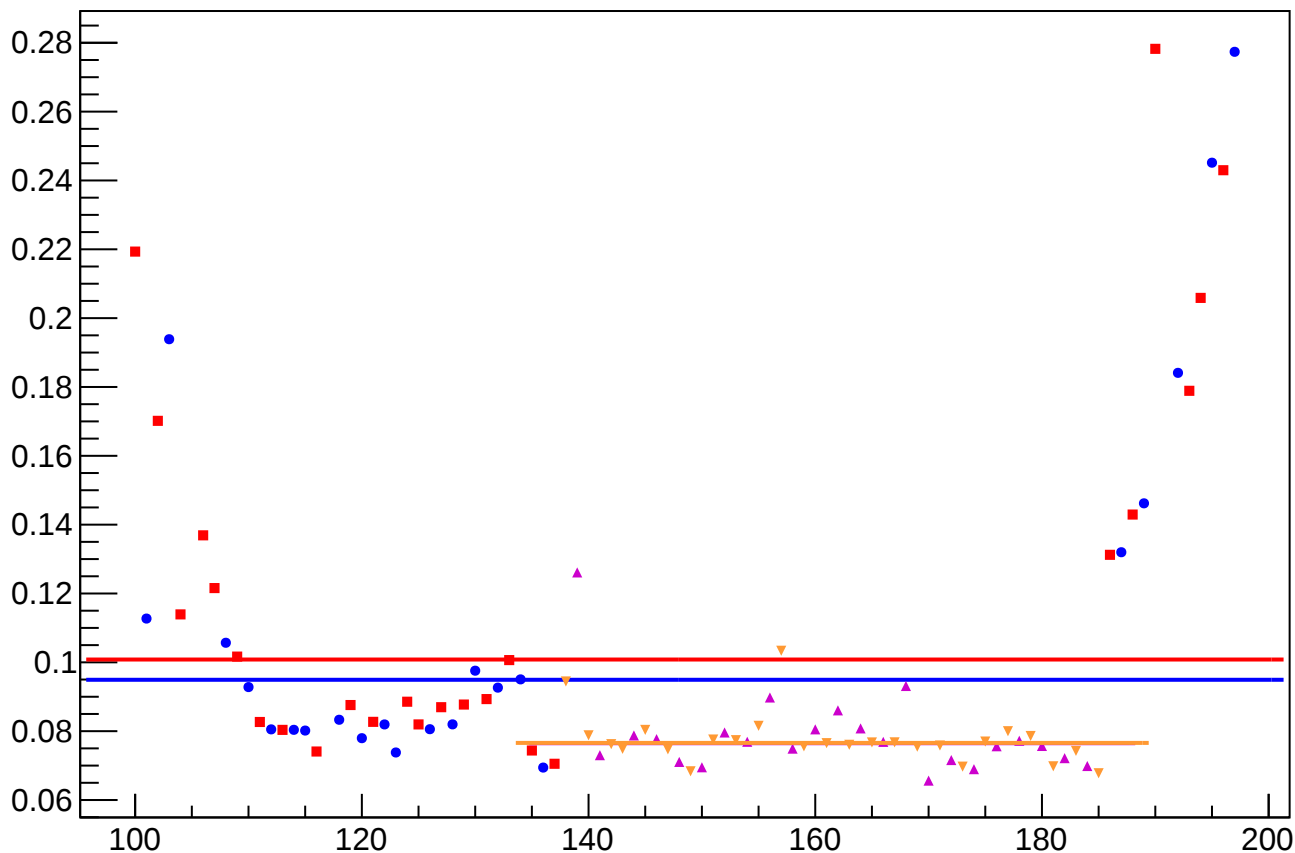
Left In: 32.001+/-0.000 χ^2/NDF : 1411110671.9/22

+ sign 31.980+/-0.000 χ^2/NDF : 3270923555.8/46

All: 32.030+/-0.000 χ^2/NDF : 5457321006.9/95

- sign 32.081+/-0.000 χ^2/NDF : 2167605634.7/47

yield_usr_rms vs Slug



Right In: 0.095+/-0.000 χ^2/NDF : 2416773.9/21

Left Out: 0.077+/-0.000 χ^2/NDF :209648.5/24

Right Out: 0.101+/-0.000 χ^2/NDF : 2390437.7/24

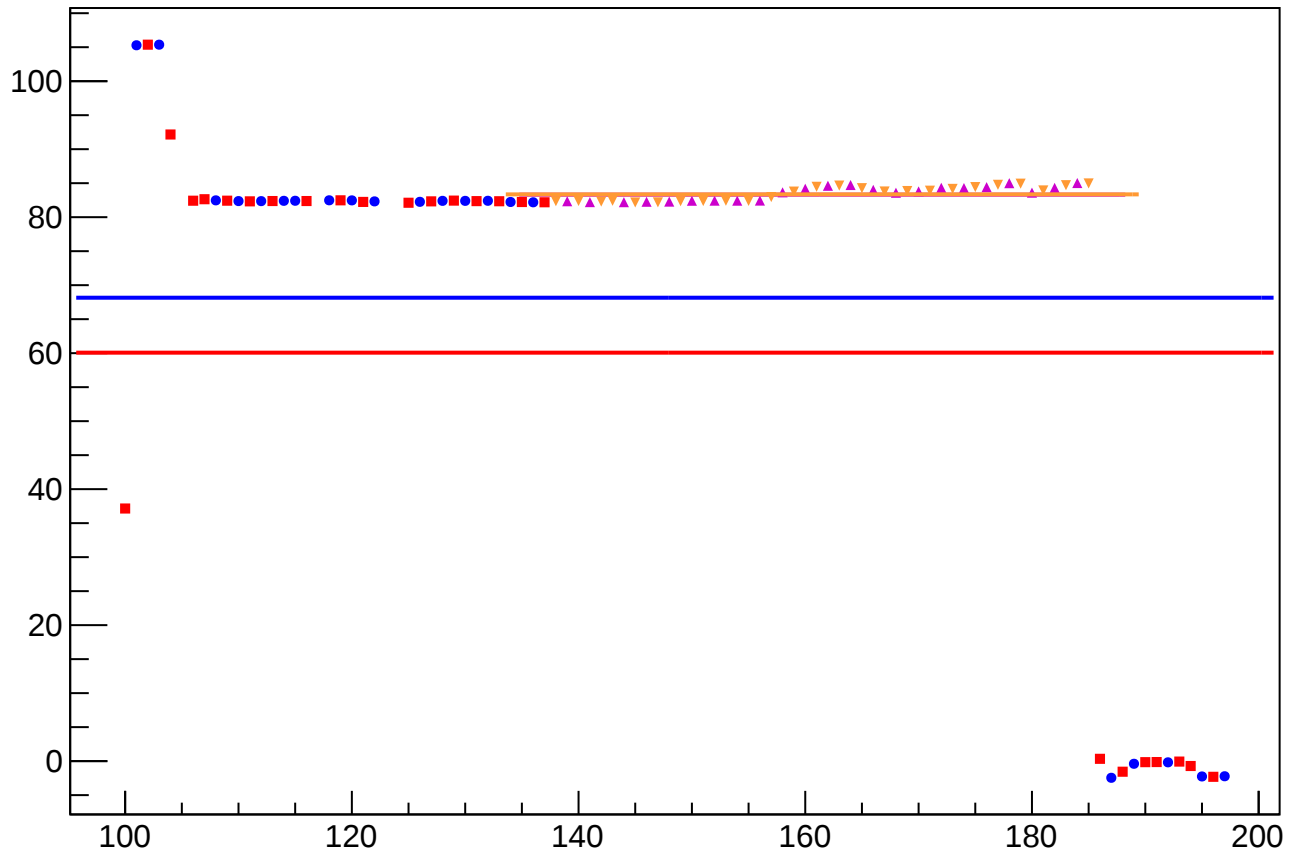
Left In: 0.076+/-0.000 χ^2/NDF :432563.3/22

+ sign 0.081+/-0.000 χ^2/NDF : 3071203.0/46

All: 0.082+/-0.000 χ^2/NDF : 6694303.6/94

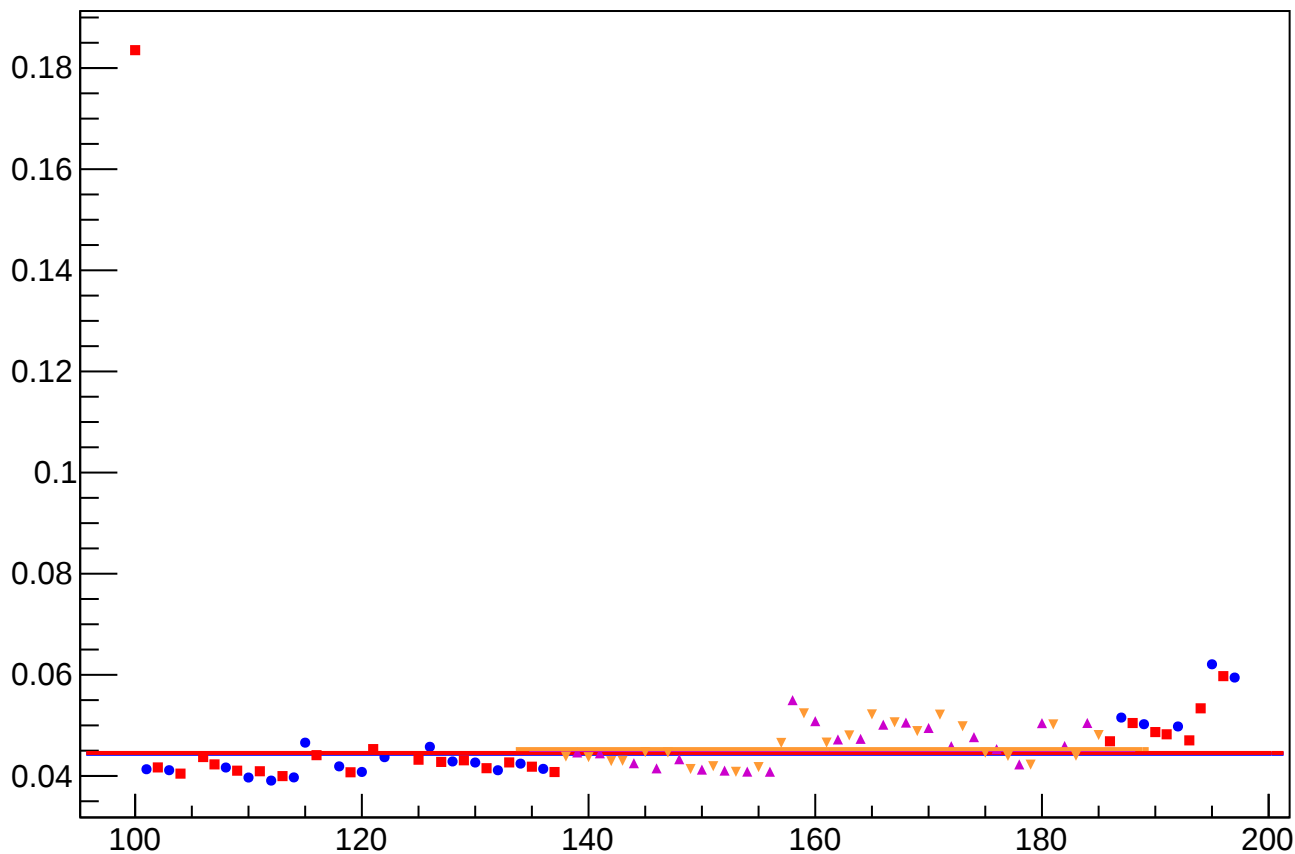
- sign 0.082+/-0.000 χ^2/NDF : 3613560.1/47

yield_dsl_mean vs Slug



Right In: 68.156+/-0.000 χ^2/NDF : 6325914552134.7/20
 Left Out: 83.355+/-0.000 χ^2/NDF : 9142393022.8/24
 Right Out: 60.074+/-0.000 χ^2/NDF : 8463683326301.2/24
 Left In: 83.309+/-0.000 χ^2/NDF : 8421247810.9/22
 + sign 77.987+/-0.000 χ^2/NDF : 7044952569838.6/4
 All: 76.008+/-0.000 χ^2/NDF : 1740488208180
 - sign 74.080+/-0.000 χ^2/NDF : 10255945242444.9/4

yield_dsl_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF : 333217.0/20

Left Out: 0.045+/-0.000 χ^2/NDF : 211358.2/24

Right Out: 0.045+/-0.000 χ^2/NDF : 329194.9/24

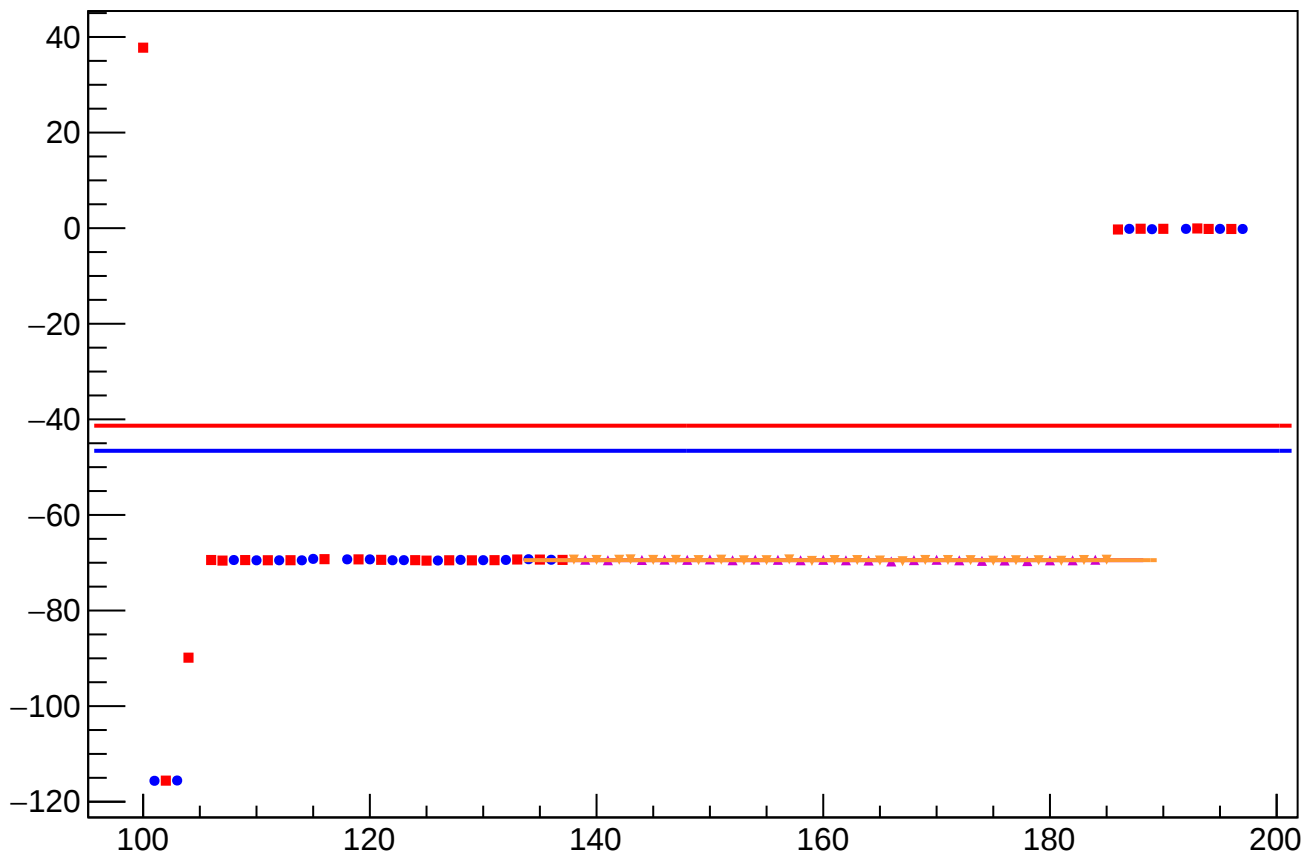
Left In: 0.045+/-0.000 χ^2/NDF : 242885.4/22

+ sign 0.045+/-0.000 χ^2/NDF : 549923.4/45

All: 0.045+/-0.000 χ^2/NDF : 1124379.6/93

- sign 0.045+/-0.000 χ^2/NDF : 574376.5/47

yield_dsr_mean vs Slug



Right In: -46.579+/-0.000 χ^2/NDF : 5046530675164.5/21

Left Out: -69.461+/-0.000 χ^2/NDF : 49572401.9/24

Right Out: -41.327+/-0.000 χ^2/NDF : 5415765425222.4/24

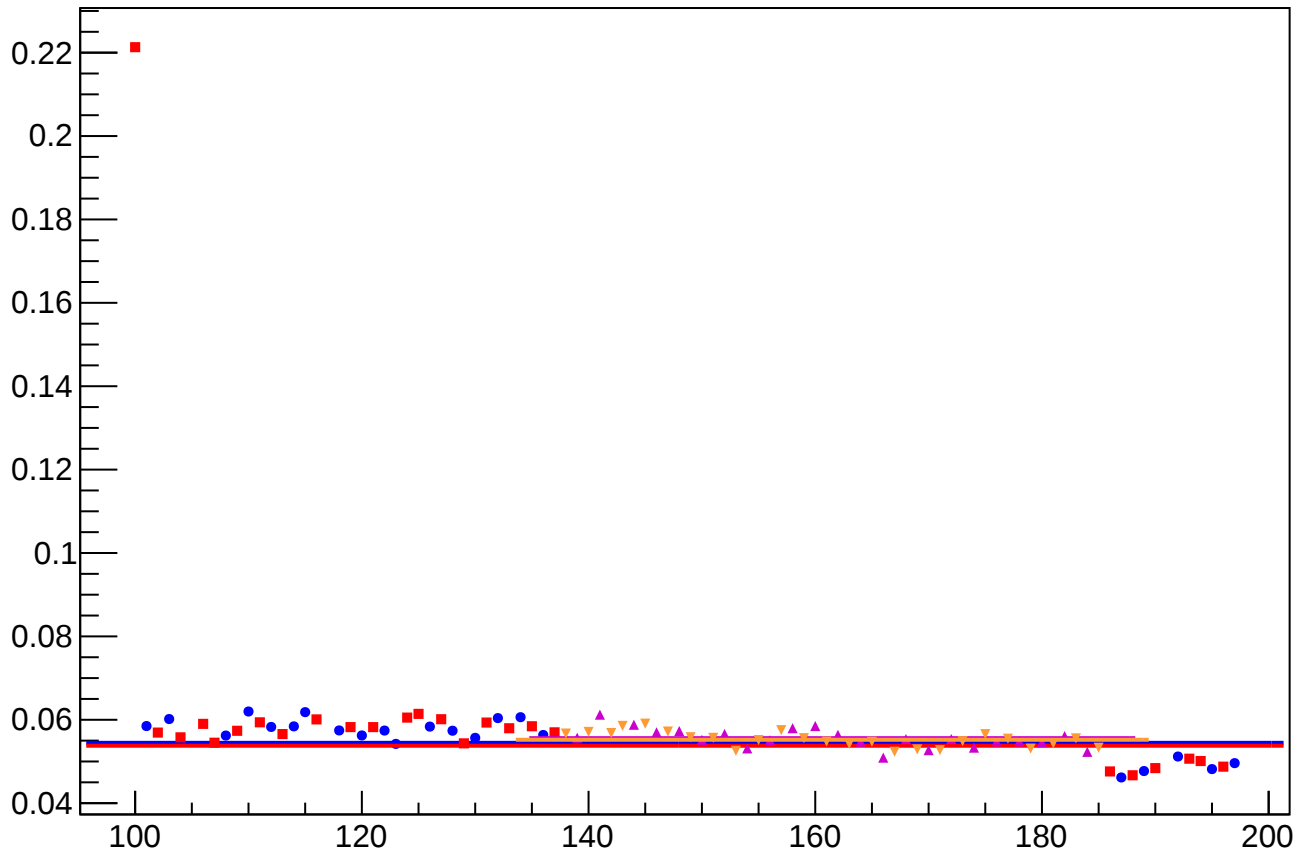
Left In: -69.458+/-0.000 χ^2/NDF : 52798704.3/22

+ sign -61.413+/-0.000 χ^2/NDF : 6120244266469.1/21

All: -59.748+/-0.000 χ^2/NDF : 133257393761.9/24

- sign -58.108+/-0.000 χ^2/NDF : 7155976645823.9/24

yield_dsr_rms vs Slug



Right In: 0.054 $\pm$ 0.000 χ^2 /NDF: 135703.5/21

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.054 $\pm$ 0.000 χ^2 /NDF: 248173.4/24

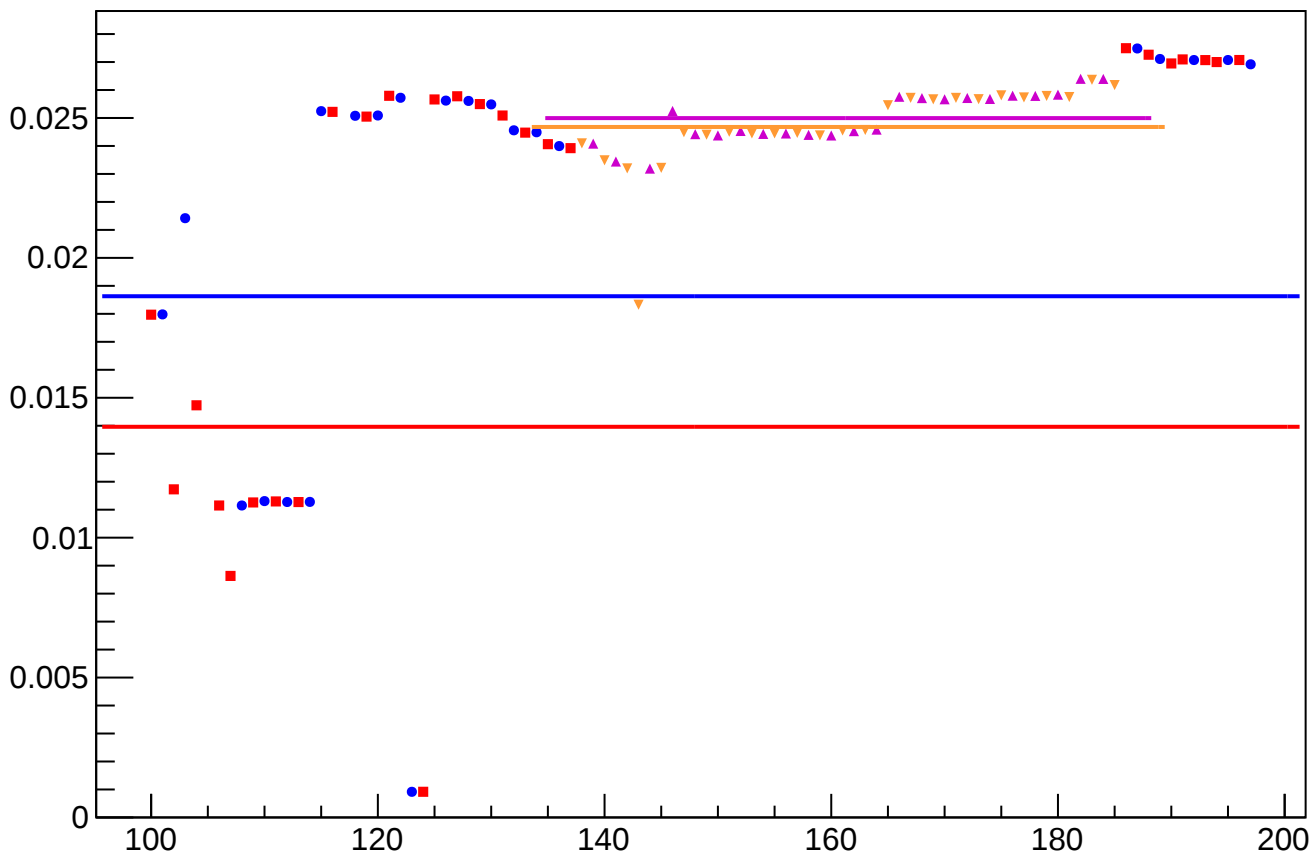
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.055 $\pm$ 0.000 χ^2 /NDF: 176673.2/46

All: 0.055 $\pm$ 0.000 χ^2 /NDF: 491594.6/94

- sign 0.055 $\pm$ 0.000 χ^2 /NDF: 314848.3/47

yield_atl1_mean vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 155378972704.0/21

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 334373982158.2/25

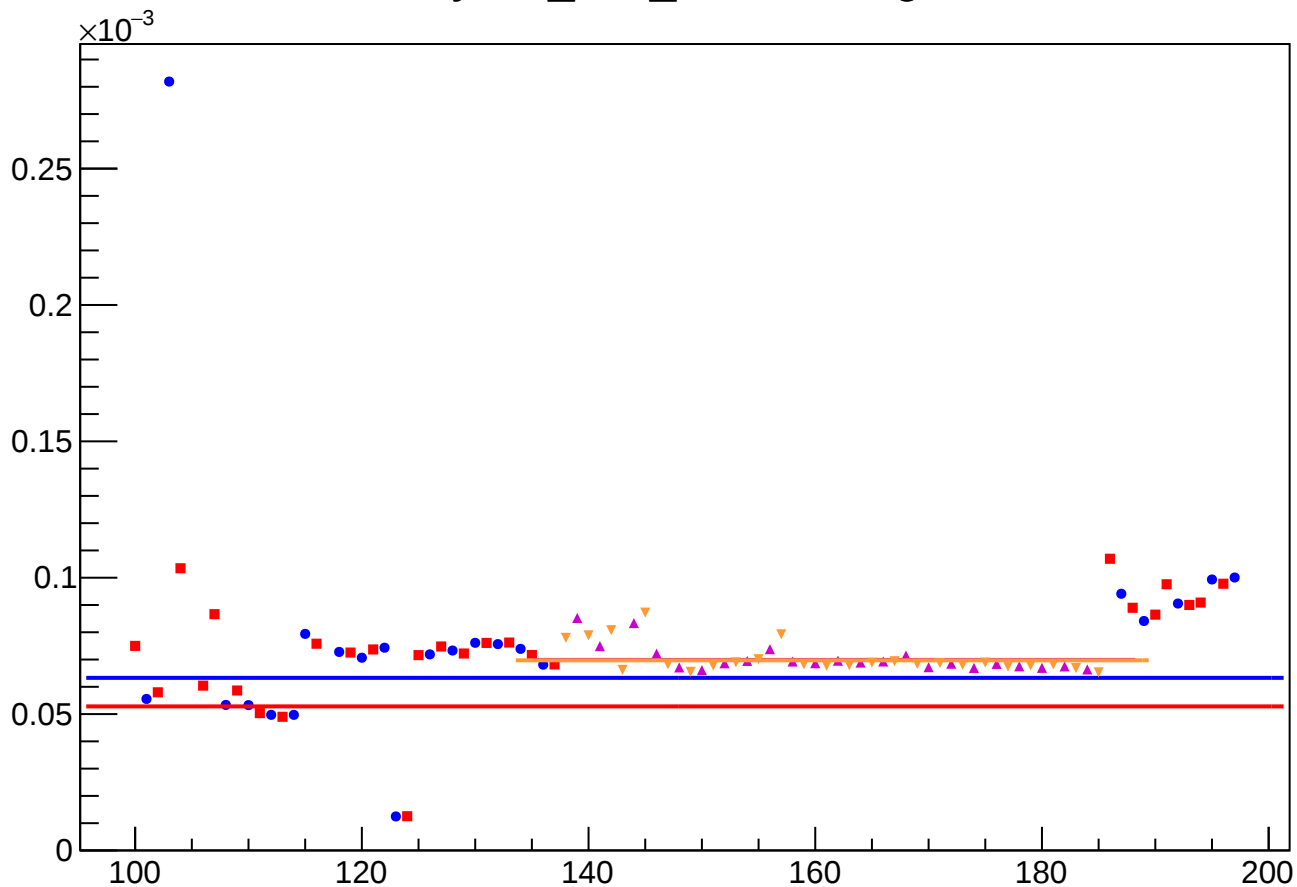
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 212904794879.4/46

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 761639243957.5

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 529580489853.8/48

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2788994.8/21

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5447444.8/25

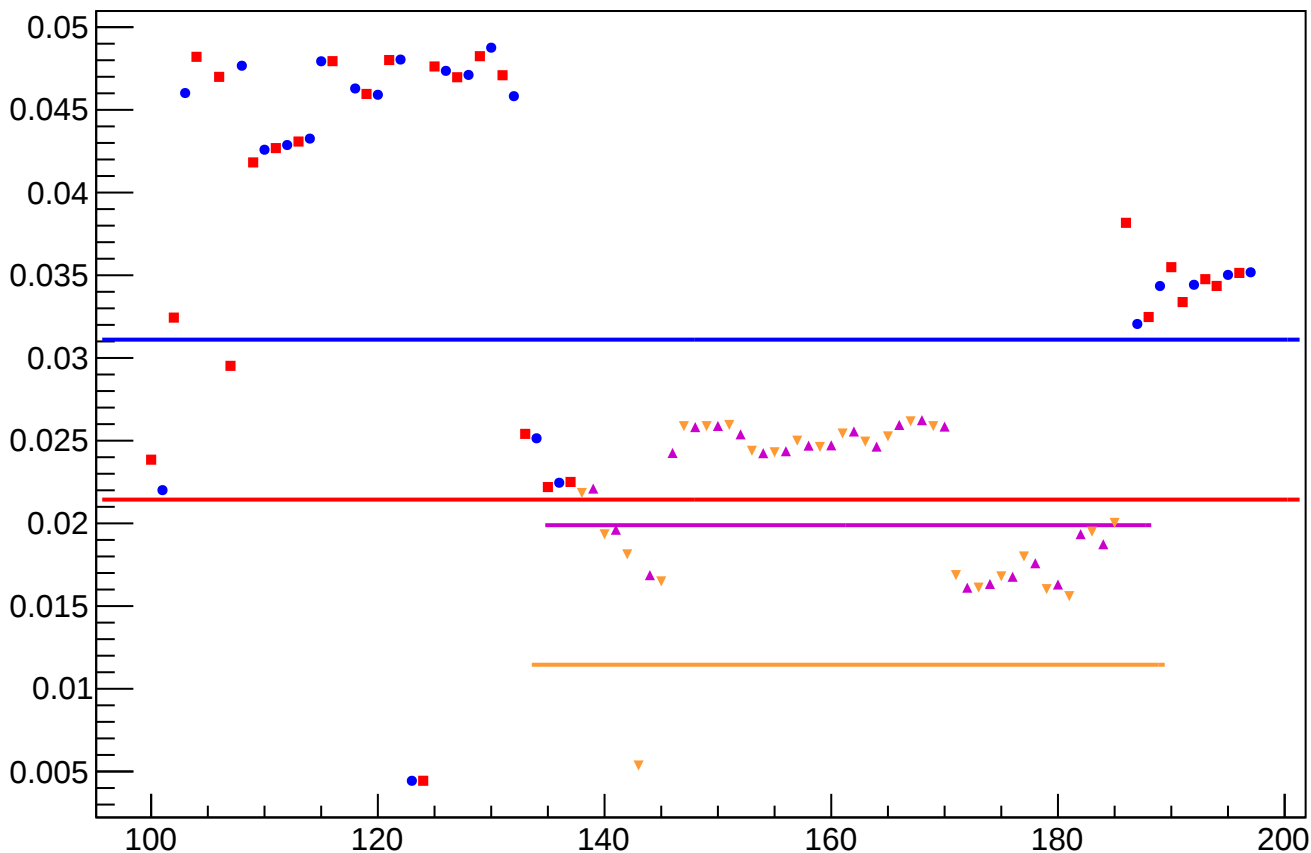
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 3055214.4/46

All: 0.000+/-0.000 χ^2/NDF : 9718132.2/95

- sign 0.000+/-0.000 χ^2/NDF : 6495717.0/48

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21189714048.5/21

Left Out: 0.011+/-0.000 χ^2/NDF : 40294472965.0/24

+ sign 0.013+/-0.000 χ^2/NDF : 89042829319.7/46

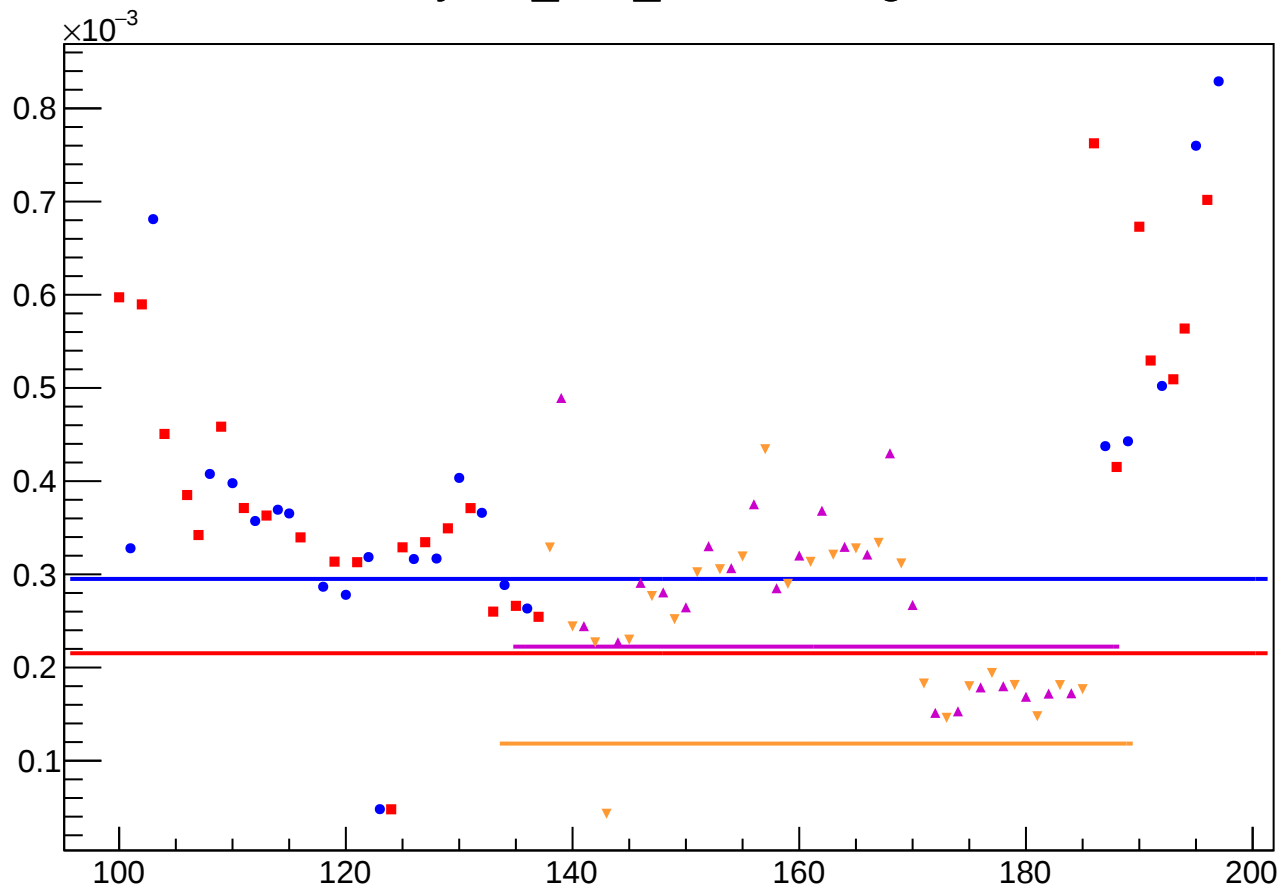
Right Out: 0.021+/-0.000 χ^2/NDF : 42237317686.5/25

All: 0.016+/-0.000 χ^2/NDF : 149320326724.8

- sign 0.020+/-0.000 χ^2/NDF : 46912383859.4/48

Left In: 0.020+/-0.000 χ^2/NDF : 4458790813.3/22

yield_atl2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4100569.7/21

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:13563132.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8673075.6/25

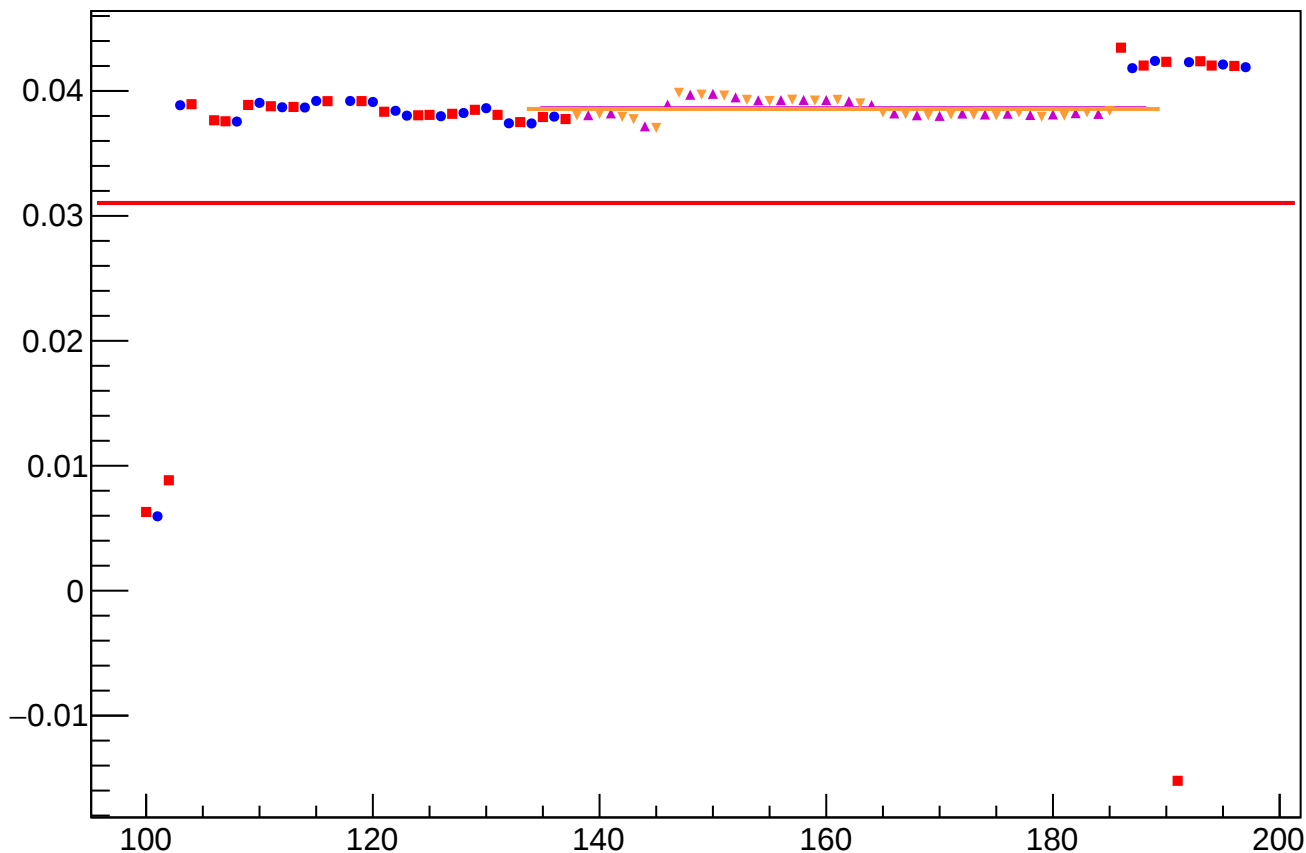
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:3281119.0/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 22117790.5/46

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 37999348.2/95

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11963310.7/48

yield_atr1_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 104257788634.2/21

Left Out: 0.039+/-0.000 χ^2/NDF : 539468437.3/24

+ sign 0.036+/-0.000 χ^2/NDF : 124788044475.6/46

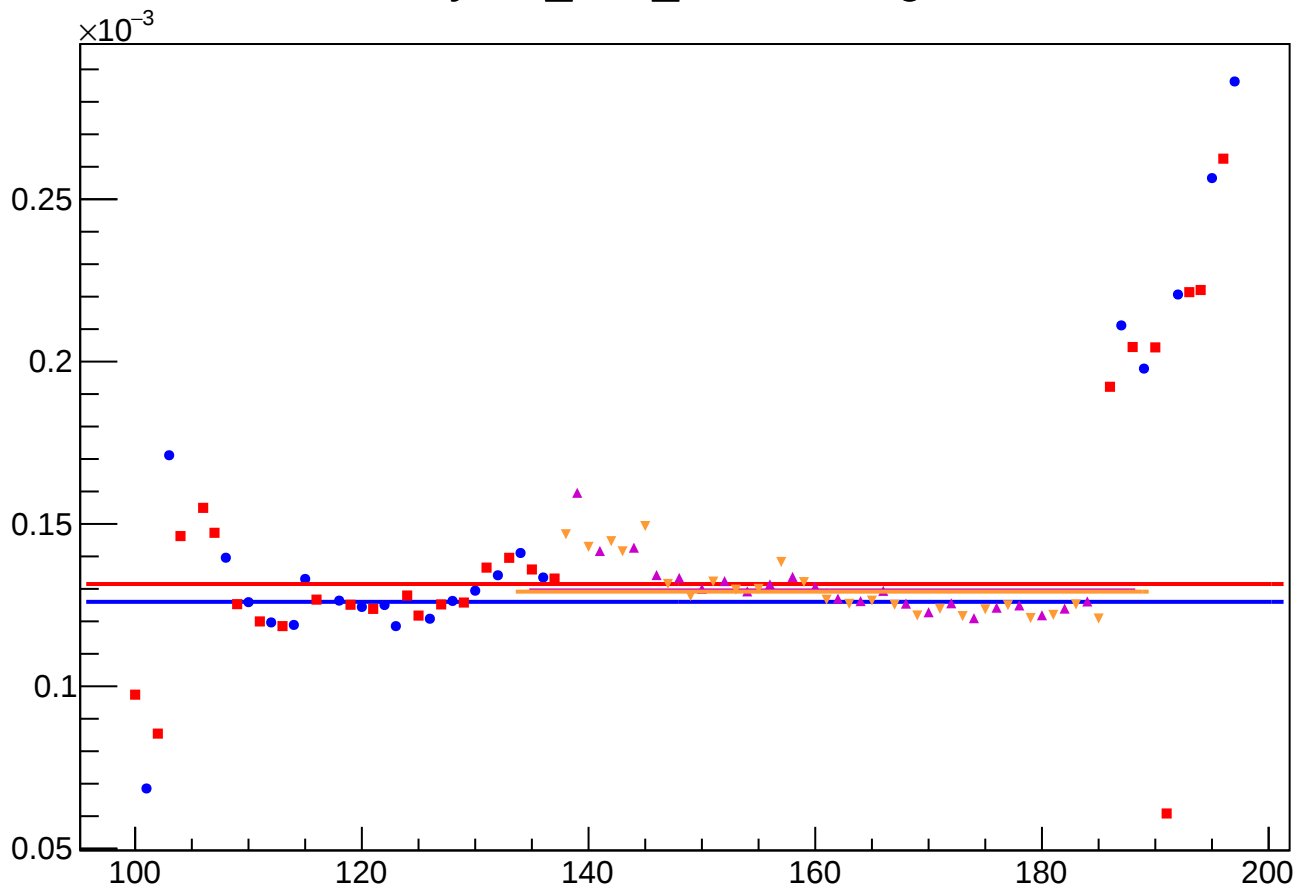
Right Out: 0.031+/-0.000 χ^2/NDF : 171551909305.0/25

All: 0.036+/-0.000 χ^2/NDF : 317728106094.3

Left In: 0.039+/-0.000 χ^2/NDF : 465745982.6/22

- sign 0.036+/-0.000 χ^2/NDF : 192911751258.3/48

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2263172.4/21

Left Out: 0.000+/-0.000 χ^2/NDF :130321.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 2074427.1/25

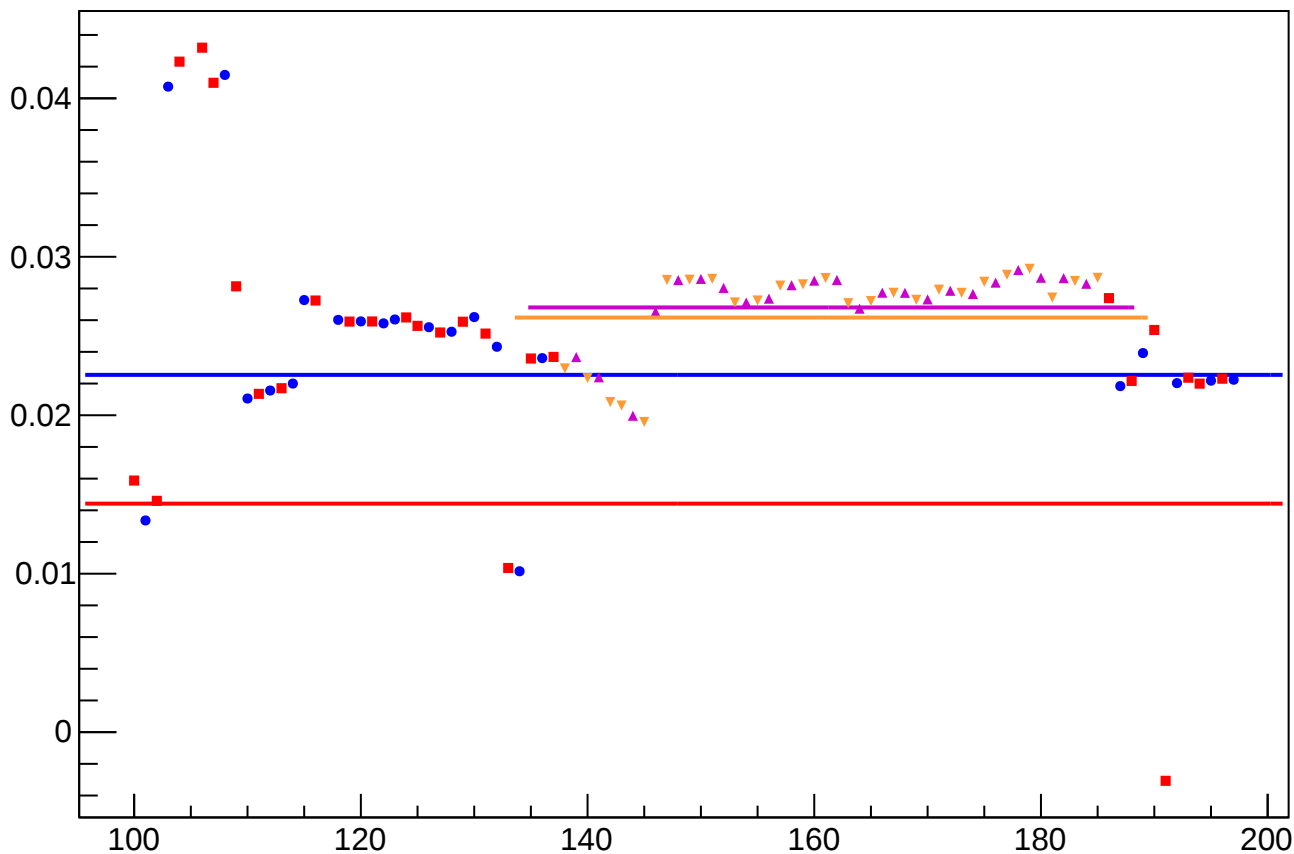
Left In: 0.000+/-0.000 χ^2/NDF :114763.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 2400451.2/46

All: 0.000+/-0.000 χ^2/NDF : 4599543.0/95

- sign 0.000+/-0.000 χ^2/NDF : 2192009.6/48

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4244138447.1/21

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.014+/-0.000 χ^2/NDF : 30632224952.1/25

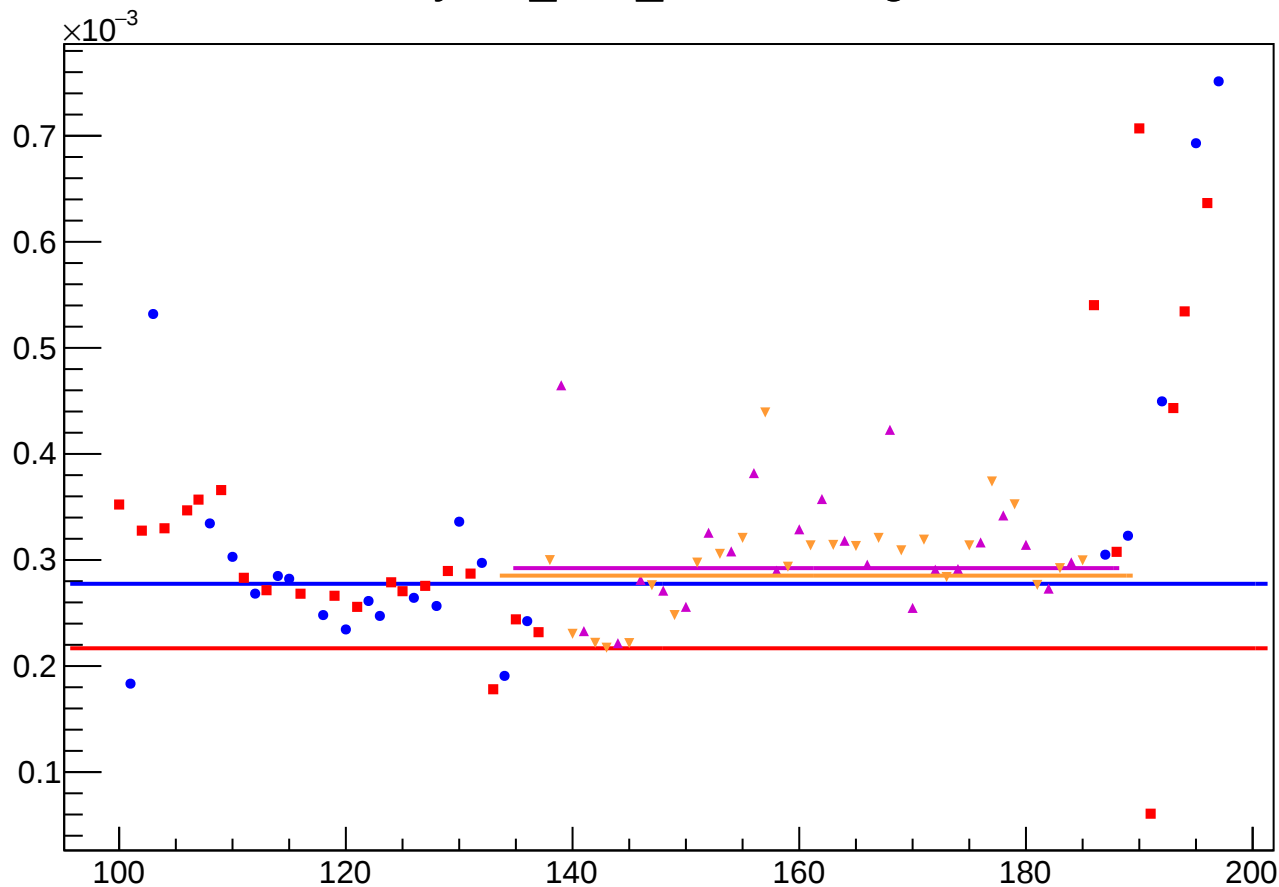
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7185409128.9/46

All: 0.023+/-0.000 χ^2/NDF : 54525497612.1/9

- sign 0.021+/-0.000 χ^2/NDF : 44975004981.5/48

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2113716.8/21

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 5797654.2/25

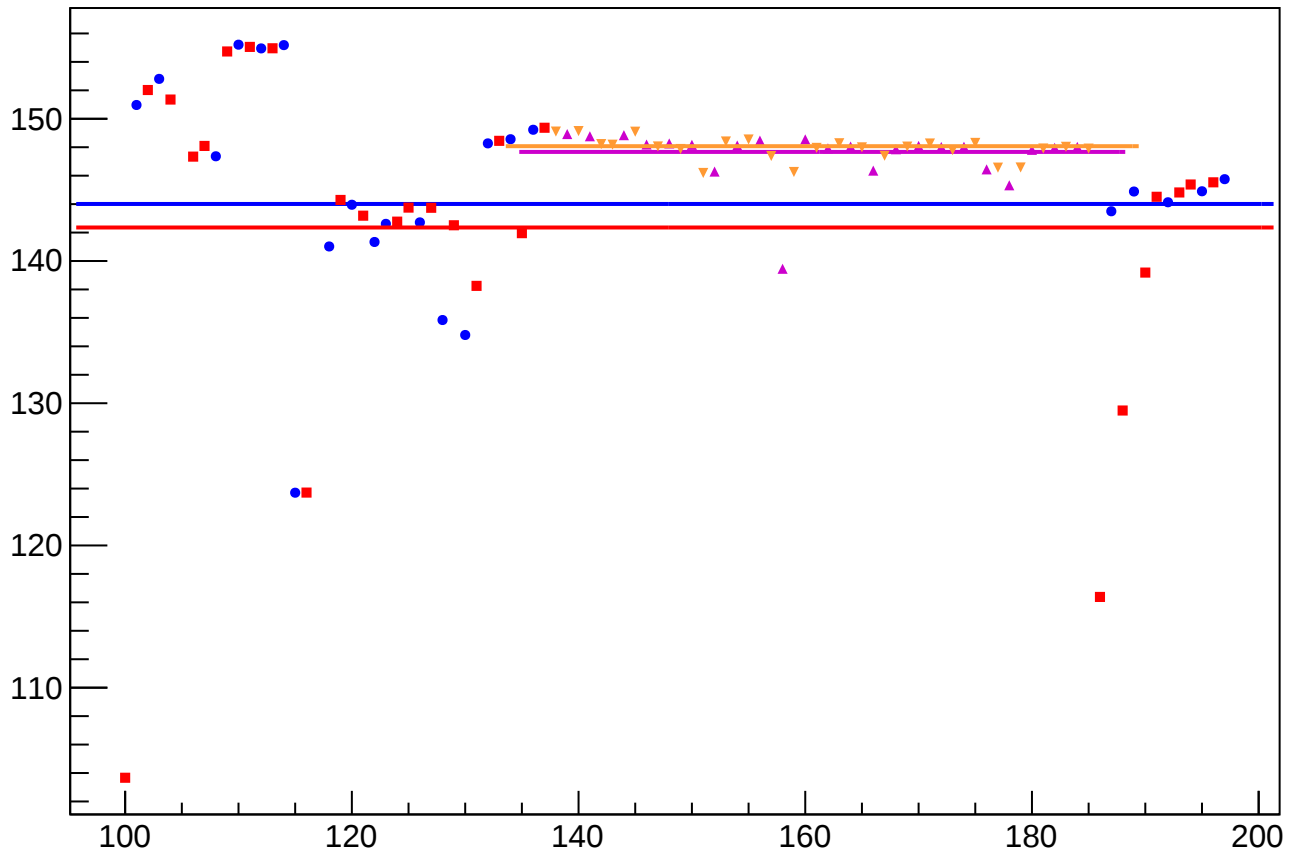
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 2935226.0/46

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 10803498.2/95

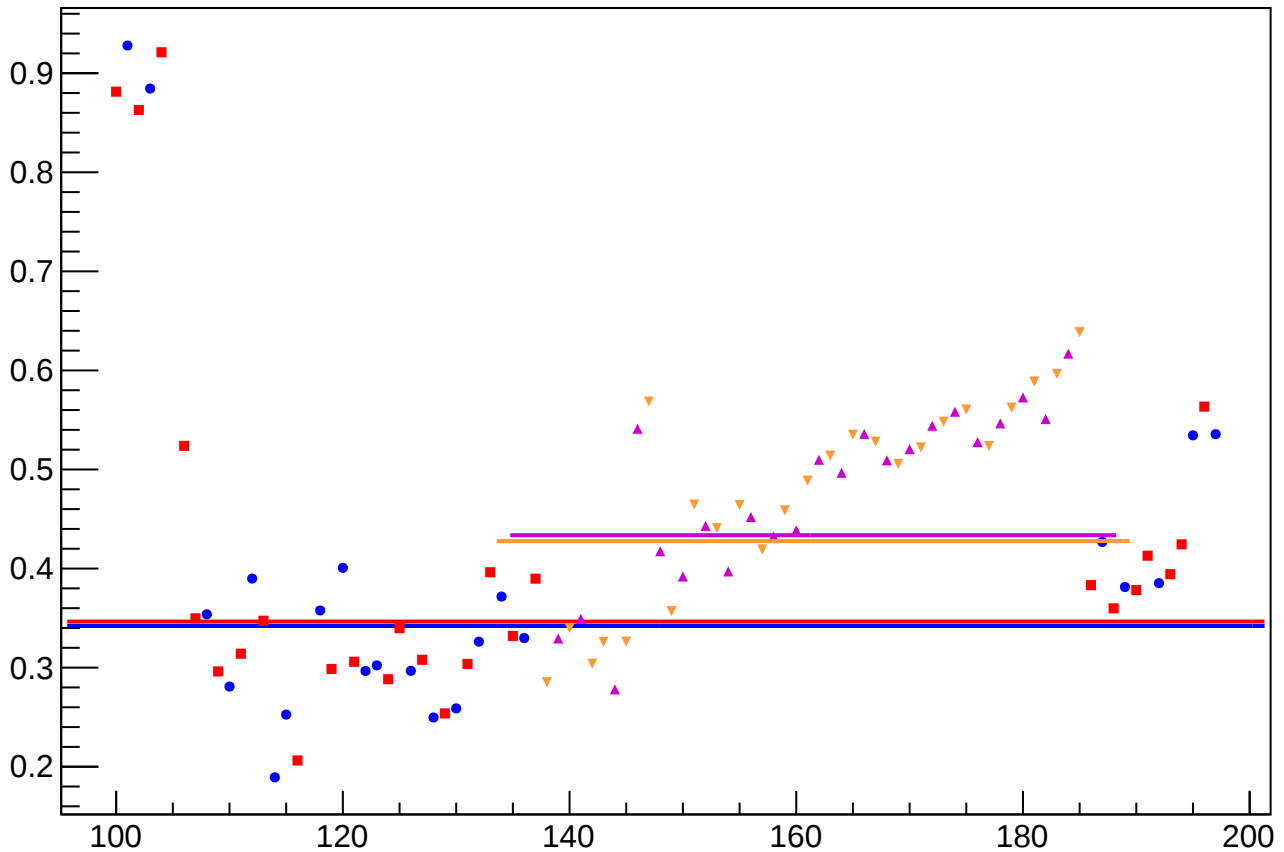
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7666300.9/48

yield_bcm_an_ds_mean vs Slug



Right In: 144.011 $\pm$ 0.000	χ^2 /NDF: 3463233358.7/21	+ sign 146.331 $\pm$ 0.000	χ^2 /NDF: 4185288125.1/46
Left Out: 148.073 $\pm$ 0.000	χ^2 /NDF: 65614067.4/24	All: 145.709 $\pm$ 0.000	χ^2 /NDF: 13164555193.
Right Out: 142.356 $\pm$ 0.000	χ^2 /NDF: 7331078034.2/25	- sign 145.104 $\pm$ 0.000	χ^2 /NDF: 8855239782.1/48
Left In: 147.670 $\pm$ 0.000	χ^2 /NDF: 345222604.4/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.342 ± 0.000 χ^2/NDF : 1744273.7/21

Left Out: 0.428 ± 0.000 χ^2/NDF : 1896808.7/24

Right Out: 0.346 ± 0.000 χ^2/NDF : 1603233.6/25

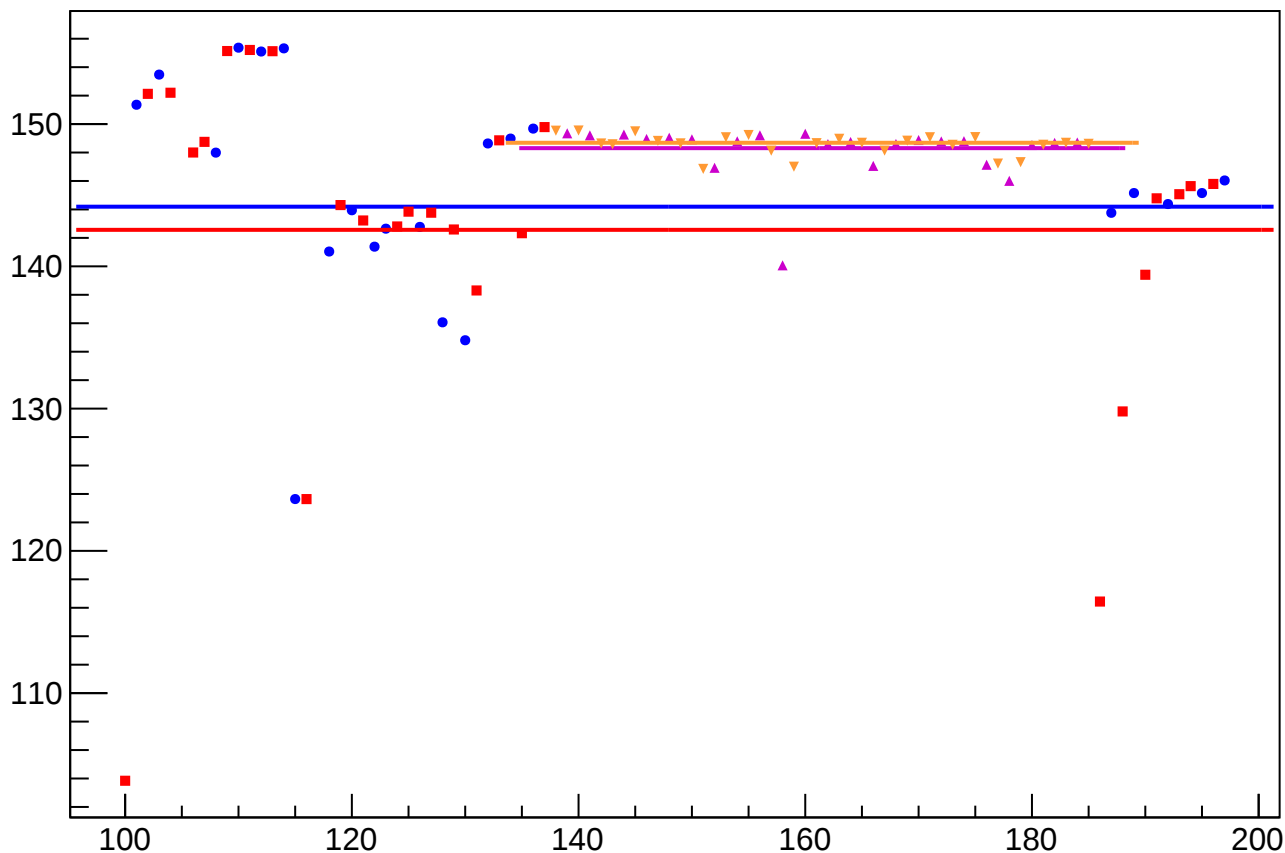
Left In: 0.434 ± 0.000 χ^2/NDF : 1496343.5/22

+ sign 0.391 ± 0.000 χ^2/NDF : 4225402.2/46

All: 0.391 ± 0.000 χ^2/NDF : 7959717.6/95

- sign 0.392 ± 0.000 χ^2/NDF : 3734259.8/48

yield_bcm_an_ds3_mean vs Slug



Right In: 144.193 $\pm$ 0.000 χ^2 /NDF: 3509449826.8/21

Left Out: 148.686 $\pm$ 0.000 χ^2 /NDF: 52218185.1/24

Right Out: 142.566 $\pm$ 0.000 χ^2 /NDF: 7276360810.9/25

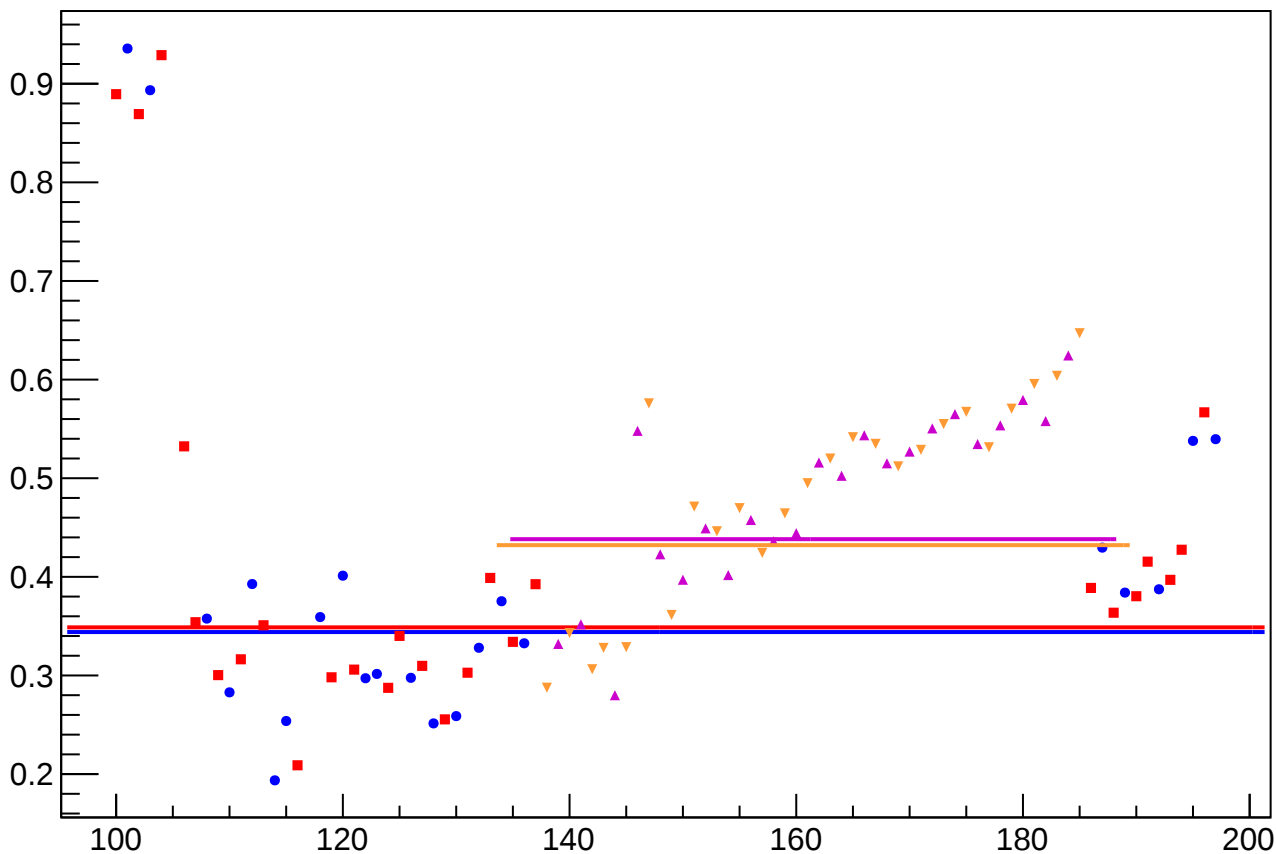
Left In: 148.307 $\pm$ 0.000 χ^2 /NDF: 333585558.2/22

+ sign 146.749 $\pm$ 0.000 χ^2 /NDF: 4352013928.5/46

All: 146.128 $\pm$ 0.000 χ^2 /NDF: 13436083401.0

- sign 145.523 $\pm$ 0.000 χ^2 /NDF: 8962370326.4/48

yield_bcm_an_ds3_rms vs Slug



Right In: 0.344 ± 0.000 χ^2/NDF : 1747544.6/21

Left Out: 0.432 ± 0.000 χ^2/NDF : 1929031.5/24

Right Out: 0.349 ± 0.000 χ^2/NDF : 1607928.3/25

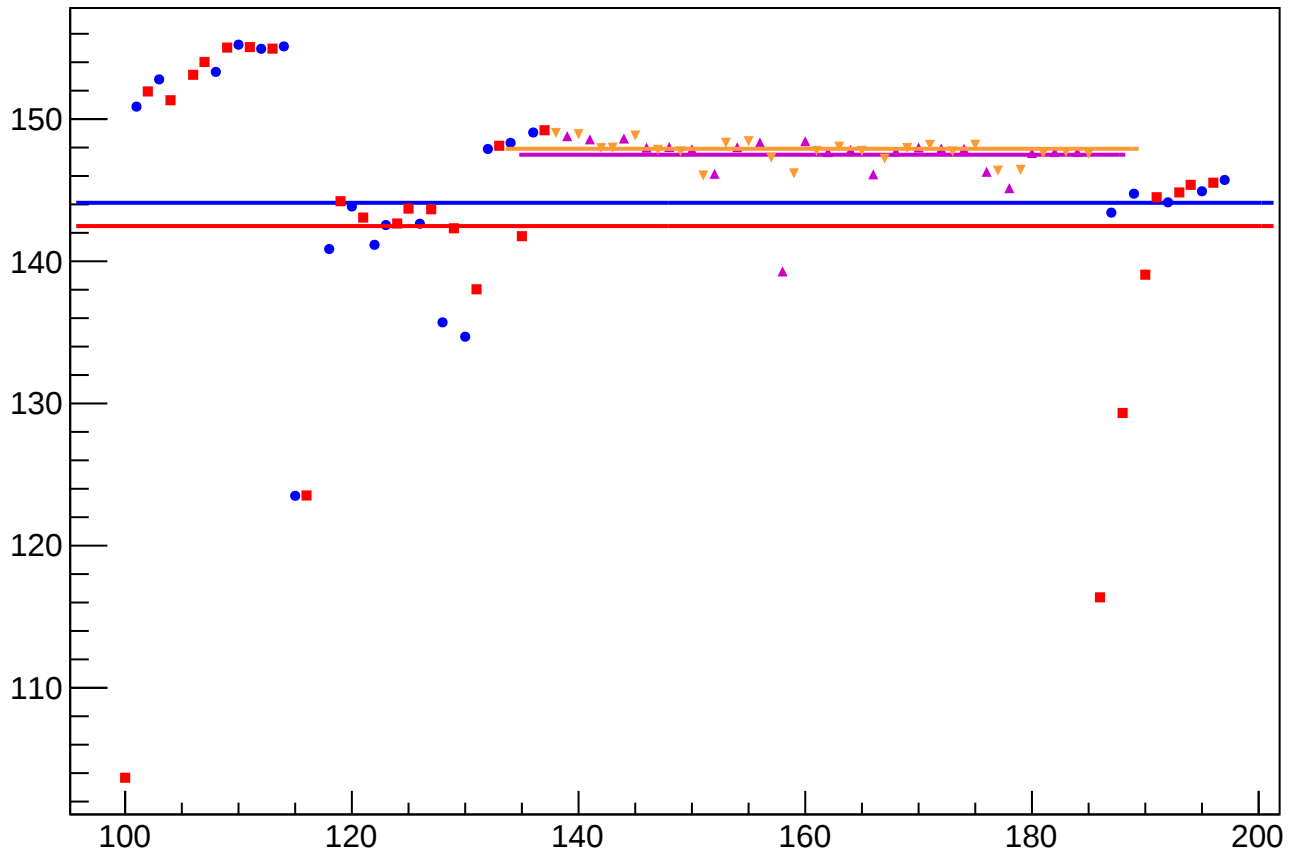
Left In: 0.438 ± 0.000 χ^2/NDF : 1521893.6/22

+ sign 0.394 ± 0.000 χ^2/NDF : 4284433.8/46

All: 0.395 ± 0.000 χ^2/NDF : 8070395.2/95

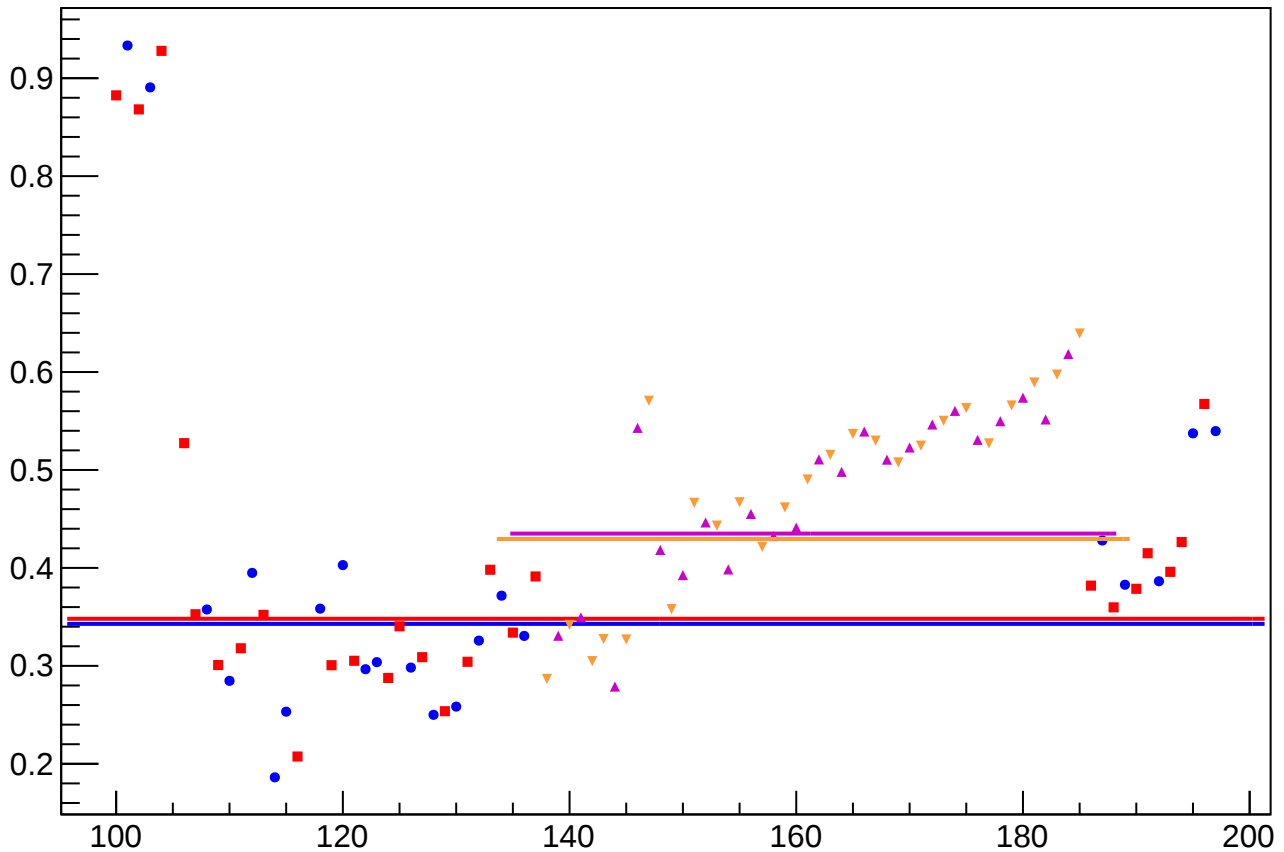
- sign 0.395 ± 0.000 χ^2/NDF : 3785881.0/48

yield_bcm_an_us_mean vs Slug



Right In: 144.113+/-0.000	χ^2/NDF : 3674002637.4/21	+ sign 146.281+/-0.000	χ^2/NDF : 4307959341.8/46
Left Out: 147.911+/-0.000	χ^2/NDF : 64412407.9/24	All: 145.669+/-0.000	χ^2/NDF : 13531777997.
Right Out: 142.476+/-0.000	χ^2/NDF : 7717789864.6/25	- sign 145.074+/-0.000	χ^2/NDF : 9104597954.2/48
Left In: 147.493+/-0.000	χ^2/NDF : 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.343 ± 0.000 χ^2/NDF : 1764950.8/21

Left Out: 0.430 ± 0.000 χ^2/NDF : 1895701.4/24

Right Out: 0.348 ± 0.000 χ^2/NDF : 1605884.0/25

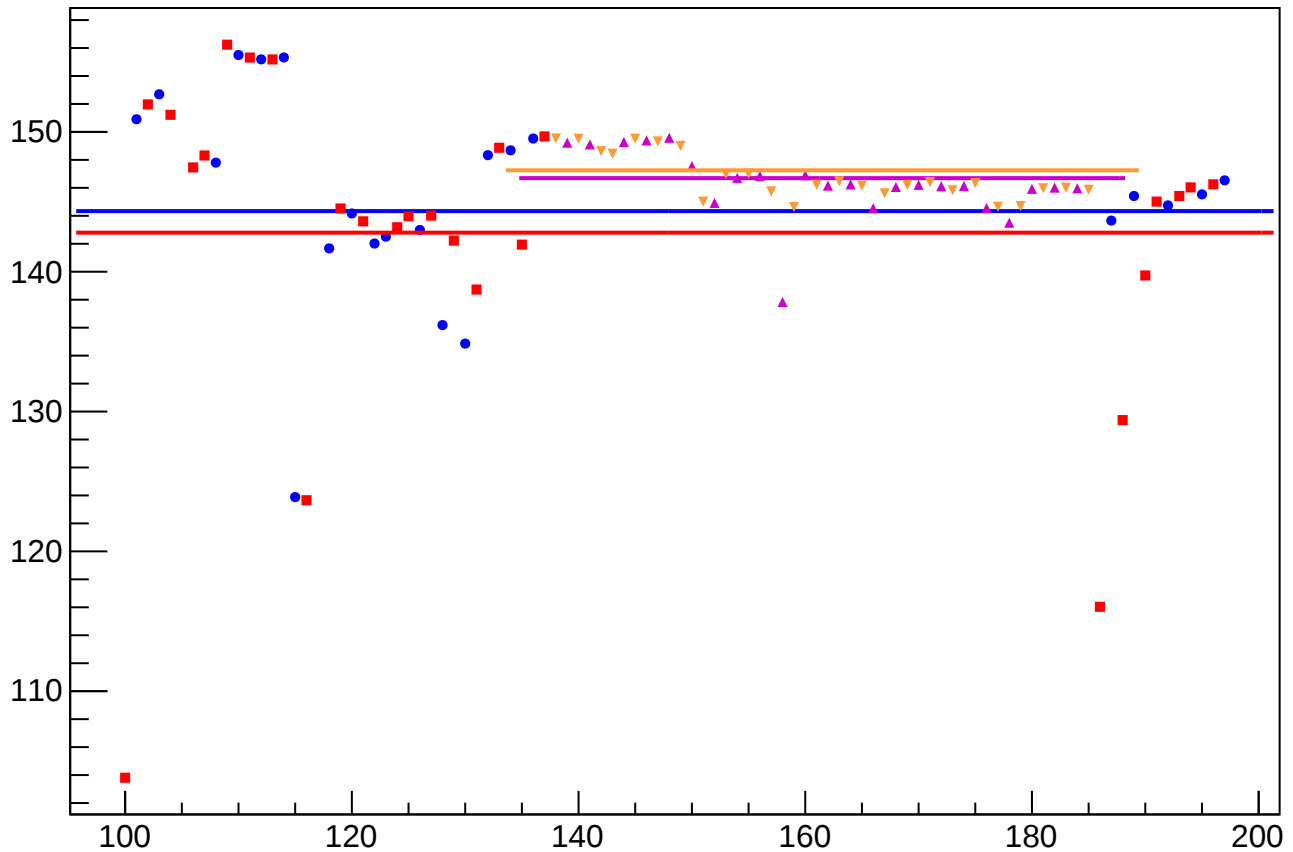
Left In: 0.435 ± 0.000 χ^2/NDF : 1502712.5/22

+ sign 0.392 ± 0.000 χ^2/NDF : 4253437.1/46

All: 0.393 ± 0.000 χ^2/NDF : 7988945.0/95

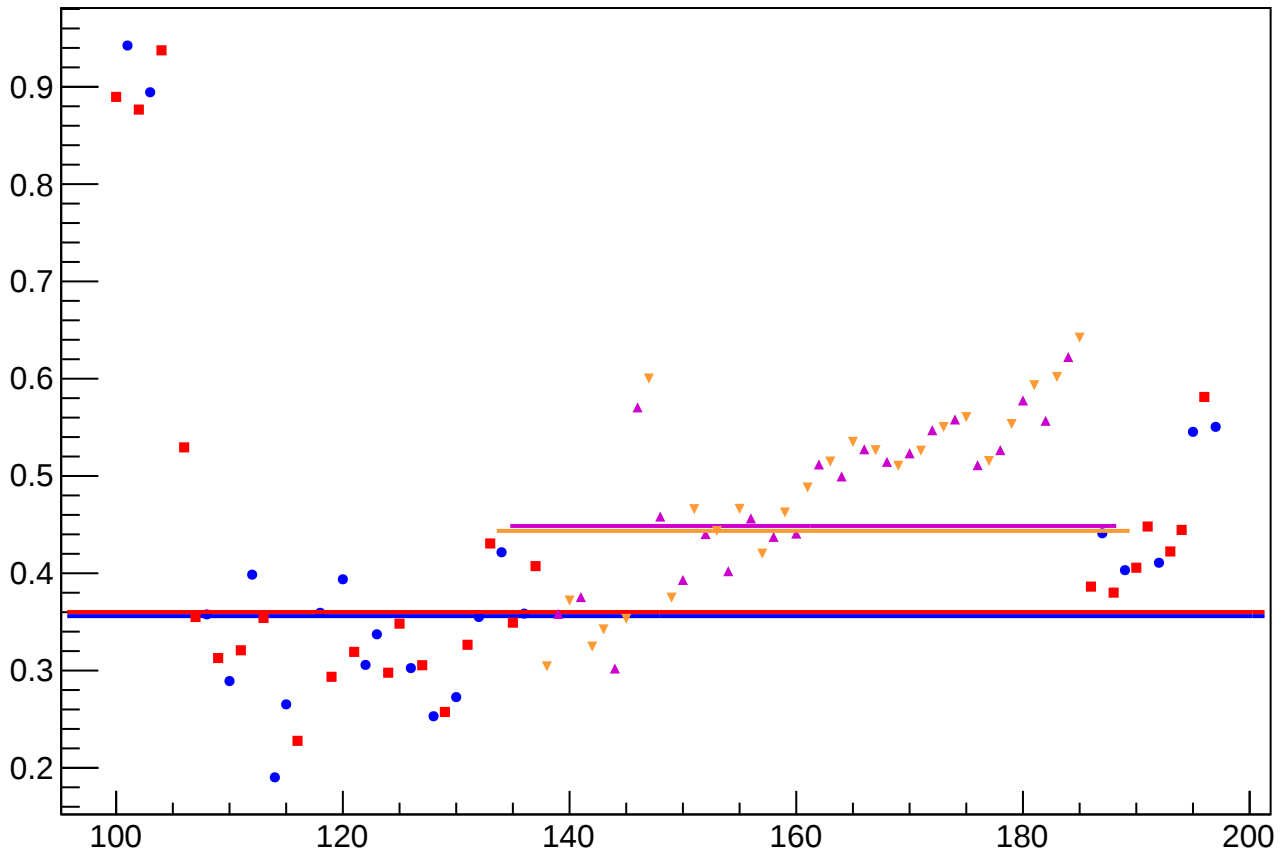
- sign 0.393 ± 0.000 χ^2/NDF : 3735411.4/48

yield_bcm_dg_us_mean vs Slug



Right In: 144.336 $\pm$ 0.000	χ^2 /NDF: 3183595940.3/21	+ sign 146.018 $\pm$ 0.000	χ^2 /NDF: 3760224211.9/46
Left Out: 147.255 $\pm$ 0.000	χ^2 /NDF: 262138049.8/24	All: 145.417 $\pm$ 0.000	χ^2 /NDF: 12050241477.
Right Out: 142.797 $\pm$ 0.000	χ^2 /NDF: 7033249692.6/25	- sign 144.836 $\pm$ 0.000	χ^2 /NDF: 8182773520.3/48
Left In: 146.695 $\pm$ 0.000	χ^2 /NDF: 557896803.1/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.356 $\pm$ 0.000 χ^2 /NDF: 1735861.7/21

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1483434.7/24

Right Out: 0.360 $\pm$ 0.000 χ^2 /NDF: 1593196.3/25

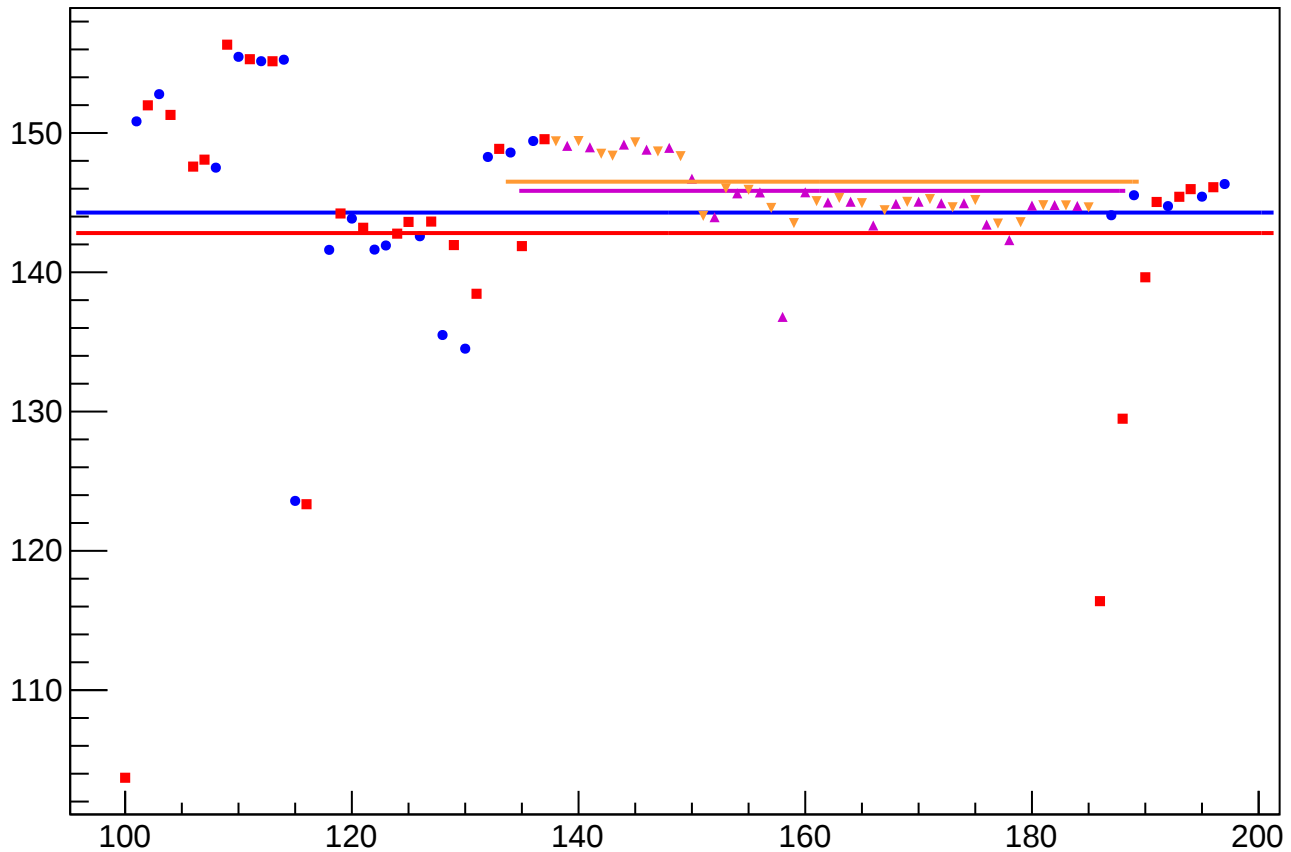
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1132620.8/22

+ sign 0.406 $\pm$ 0.000 χ^2 /NDF: 3786586.8/46

All: 0.406 $\pm$ 0.000 χ^2 /NDF: 7121573.6/95

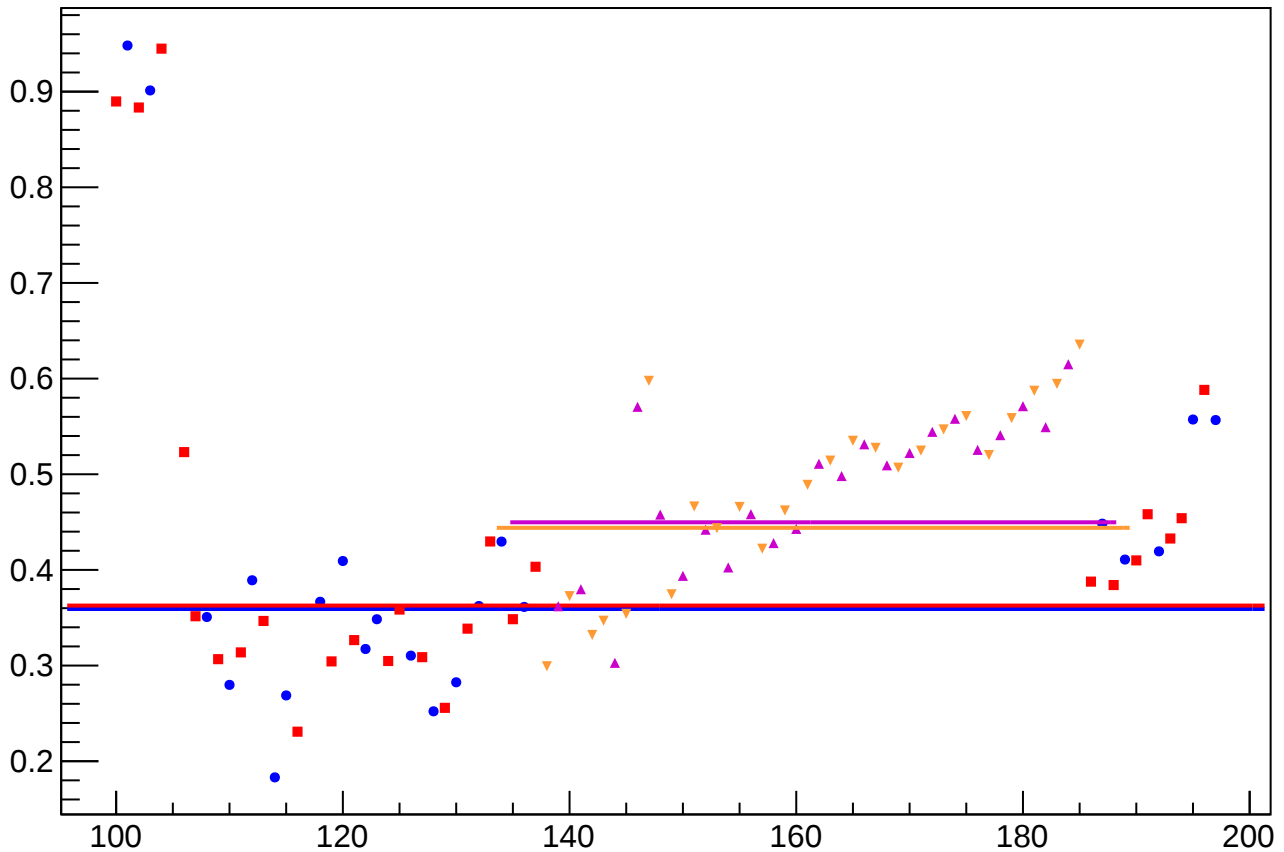
- sign 0.406 $\pm$ 0.000 χ^2 /NDF: 3334986.8/48

yield_bcm_dg_ds_mean vs Slug



Right In: 144.287+/-0.000	χ^2/NDF : 3301996764.1/21	+ sign 145.576+/-0.000	χ^2/NDF : 3882764952.9/46
Left Out: 146.505+/-0.000	χ^2/NDF : 401688176.3/24	All: 144.984+/-0.000	χ^2/NDF : 12039124198.
Right Out: 142.816+/-0.000	χ^2/NDF : 7005021209.1/25	- sign 144.410+/-0.000	χ^2/NDF : 8053194779.0/48
Left In: 145.847+/-0.000	χ^2/NDF : 694764545.6/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.359 $\pm$ 0.000 χ^2 /NDF: 1772368.0/21

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1463293.5/24

Right Out: 0.363 $\pm$ 0.000 χ^2 /NDF: 1605956.7/25

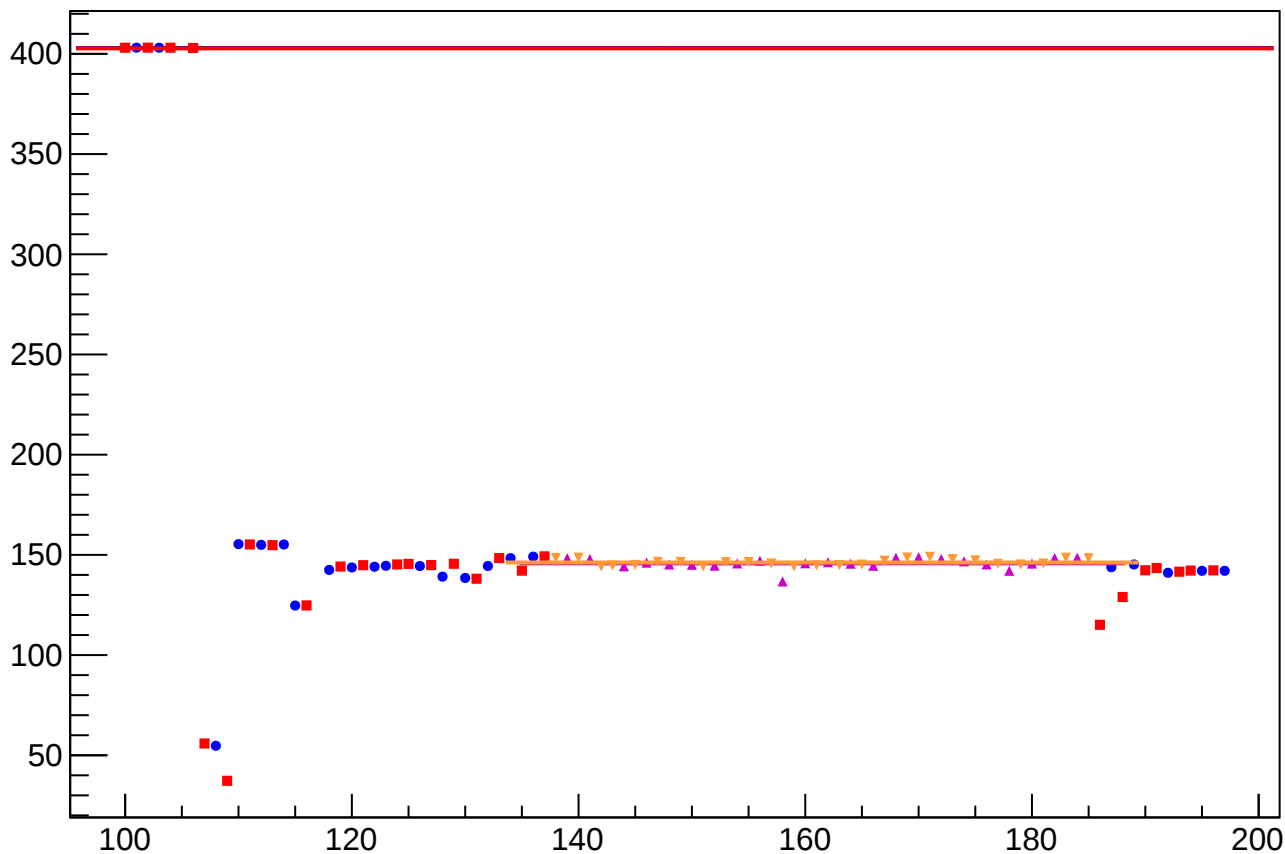
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1105405.0/22

+ sign 0.408 $\pm$ 0.000 χ^2 /NDF: 3759845.7/46

All: 0.408 $\pm$ 0.000 χ^2 /NDF: 7054129.5/95

- sign 0.409 $\pm$ 0.000 χ^2 /NDF: 3294283.4/48

yield_cav4bQ_mean vs Slug



Right In: 402.927 $\pm$ 0.000 χ^2 /NDF: 1345640349346.5/21

Left Out: 146.205 $\pm$ 0.000 χ^2 /NDF: 86658381.3/24

Right Out: 402.745 $\pm$ 0.000 χ^2 /NDF: 3610301012002.9/25

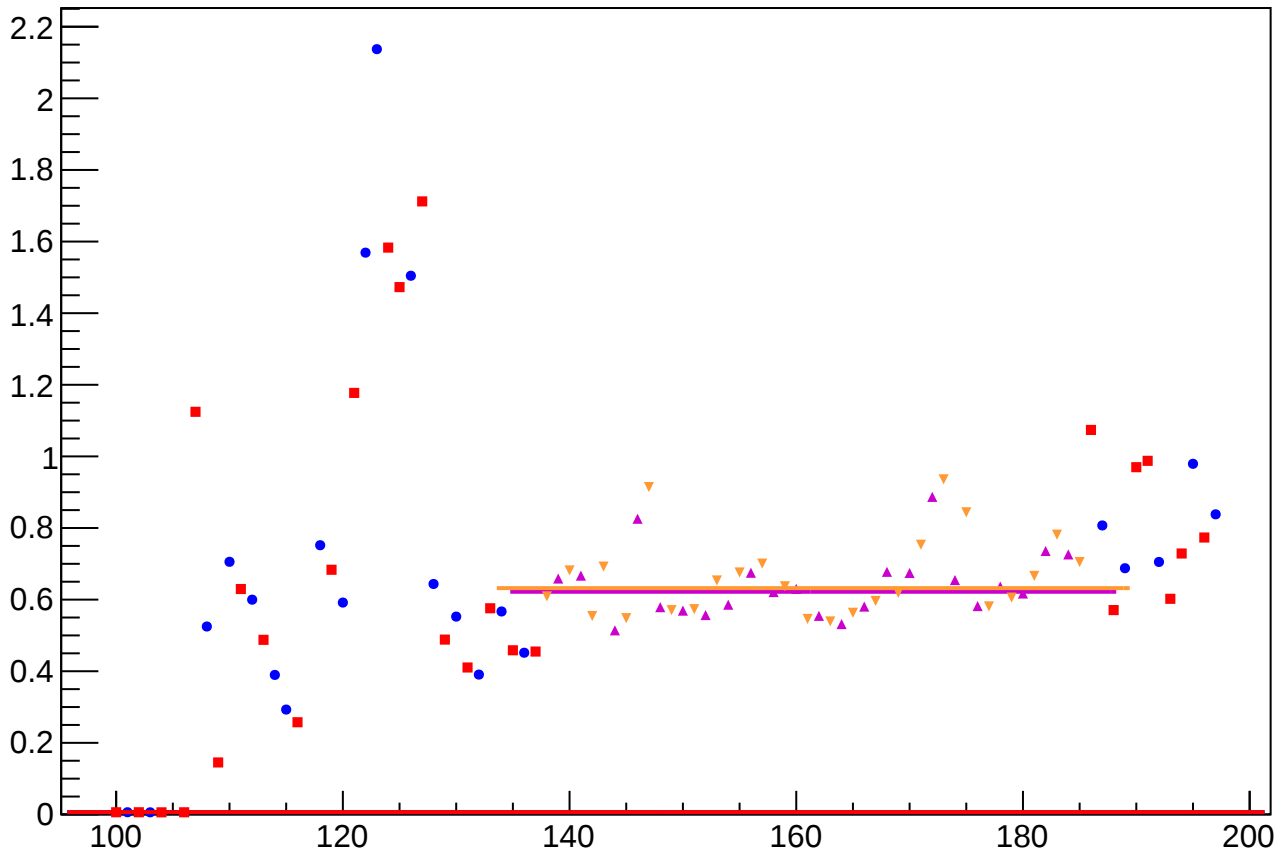
Left In: 145.773 $\pm$ 0.000 χ^2 /NDF: 207332354.9/22

+ sign 402.630 $\pm$ 0.000 χ^2 /NDF: 3717064194704.3

All: 402.553 $\pm$ 0.000 χ^2 /NDF: 967416628532

- sign 402.486 $\pm$ 0.000 χ^2 /NDF: 5956756985851.3

yield_cav4bQ_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 13637601.6/21

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:614155.9/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 15968605.8/25

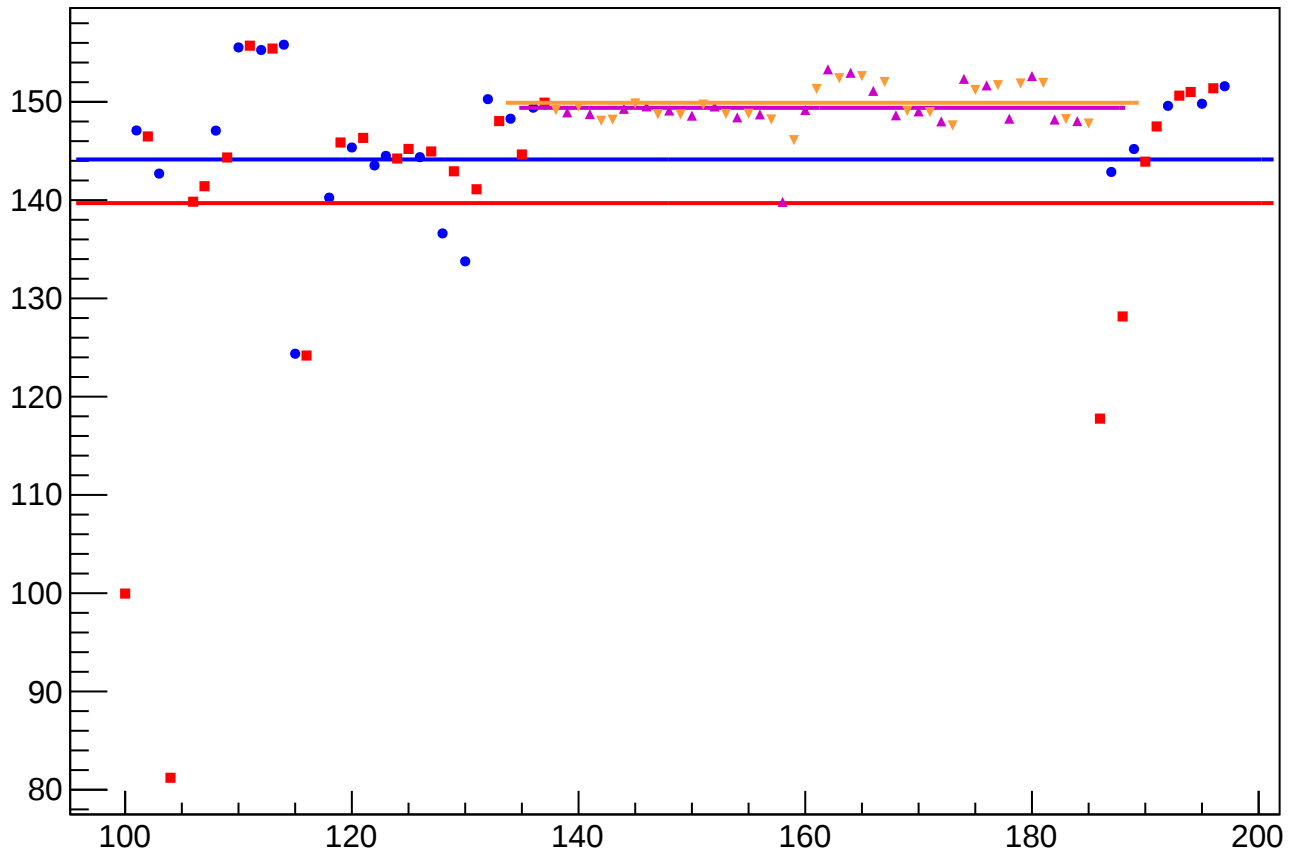
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:404479.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 42422977.4/46

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 85714859.3/95

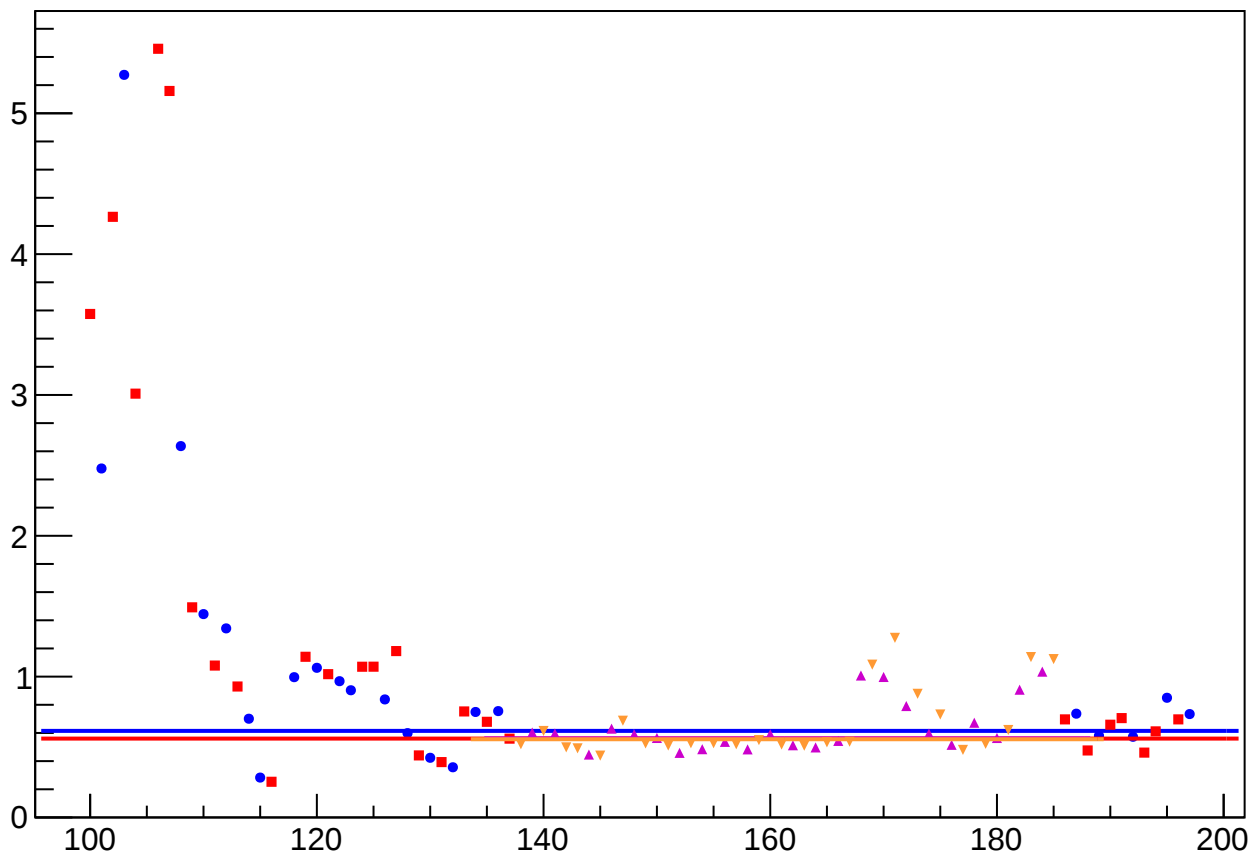
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 43291728.8/48

yield_cav4cQ_mean vs Slug



Right In: 144.139 $\pm$ 0.000	χ^2 /NDF: 1192625380.6/21	+ sign 148.565 $\pm$ 0.000	χ^2 /NDF: 1749762790.5/46
Left Out: 149.906 $\pm$ 0.000	χ^2 /NDF: 163261802.4/24	All: 147.445 $\pm$ 0.000	χ^2 /NDF: 6663758519.8
Right Out: 139.697 $\pm$ 0.000	χ^2 /NDF: 2920287817.3/25	- sign 146.370 $\pm$ 0.000	χ^2 /NDF: 4750909395.7/48
Left In: 149.391 $\pm$ 0.000	χ^2 /NDF: 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.615 ± 0.000 χ^2/NDF : 3643057.6/21

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.560 ± 0.000 χ^2/NDF : 4866011.9/25

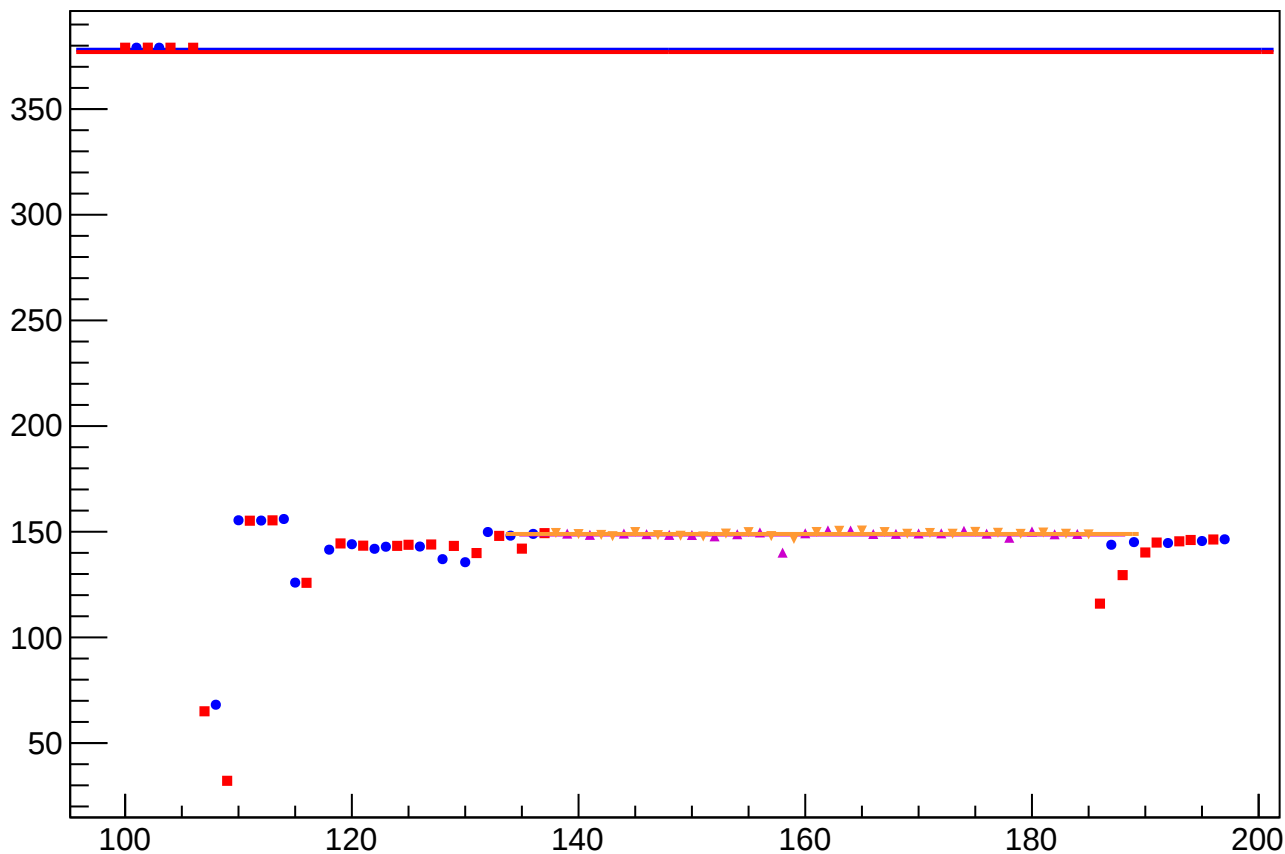
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.569 ± 0.000 χ^2/NDF : 5499744.4/46

All: 0.565 ± 0.000 χ^2/NDF : 11681037.5/95

- sign 0.561 ± 0.000 χ^2/NDF : 6177213.3/48

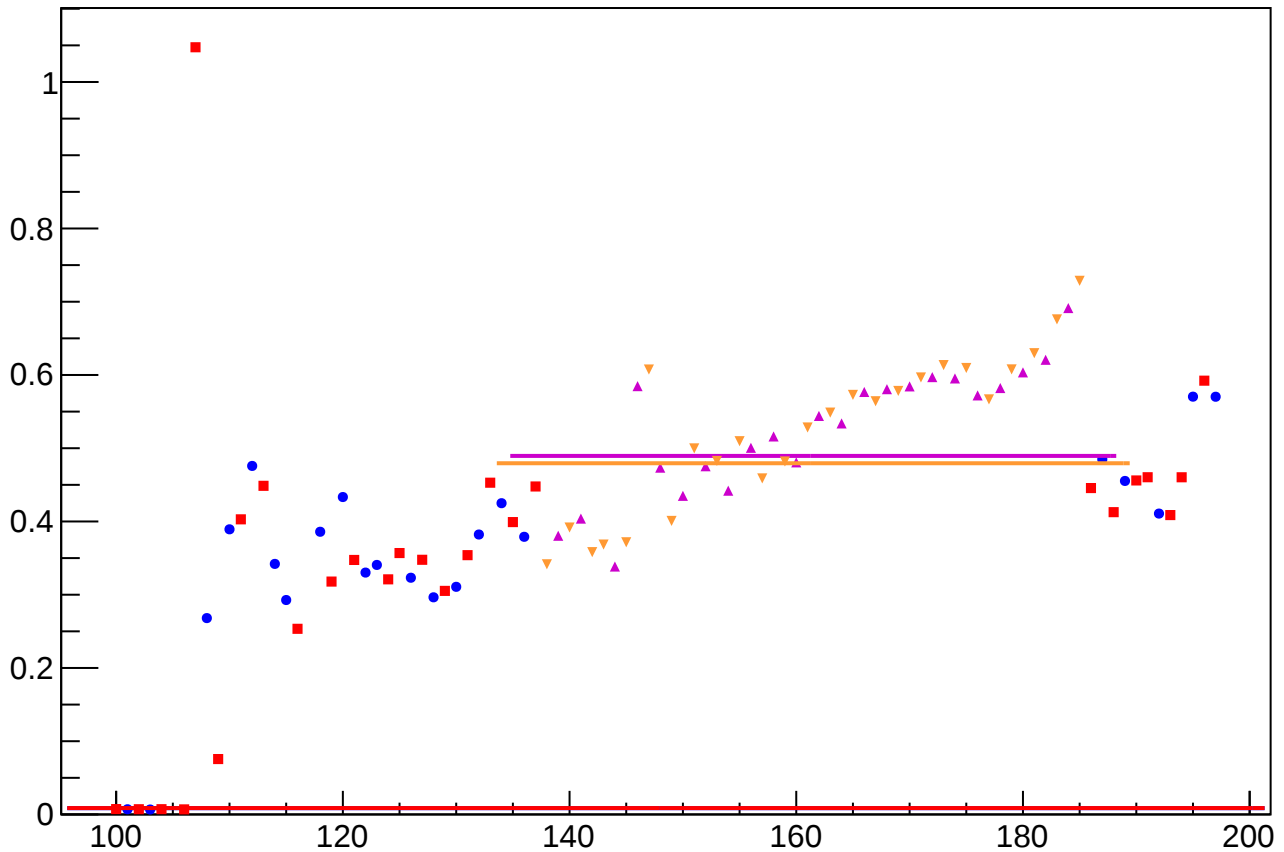
yield_cav4dQ_mean vs Slug



Right In: 378.077 $\pm$ 0.000 χ^2 /NDF: 3144582403891.1/21
 Left Out: 148.946 $\pm$ 0.000 χ^2 /NDF: 63974844.7/24
 Right Out: 376.978 $\pm$ 0.000 χ^2 /NDF: 9408286848603.2/25
 Left In: 148.683 $\pm$ 0.000 χ^2 /NDF: 253848207.3/22

+ sign 376.798 $\pm$ 0.000 χ^2 /NDF: 7052929118939.2
 All: 376.345 $\pm$ 0.000 χ^2 /NDF: 20041856275
 - sign 375.948 $\pm$ 0.000 χ^2 /NDF: 12983777419448.6

yield_cav4dQ_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 15267032.4/21

Left Out: 0.479+/-0.000 χ^2/NDF : 1518765.9/24

Right Out: 0.009+/-0.000 χ^2/NDF : 17248358.9/25

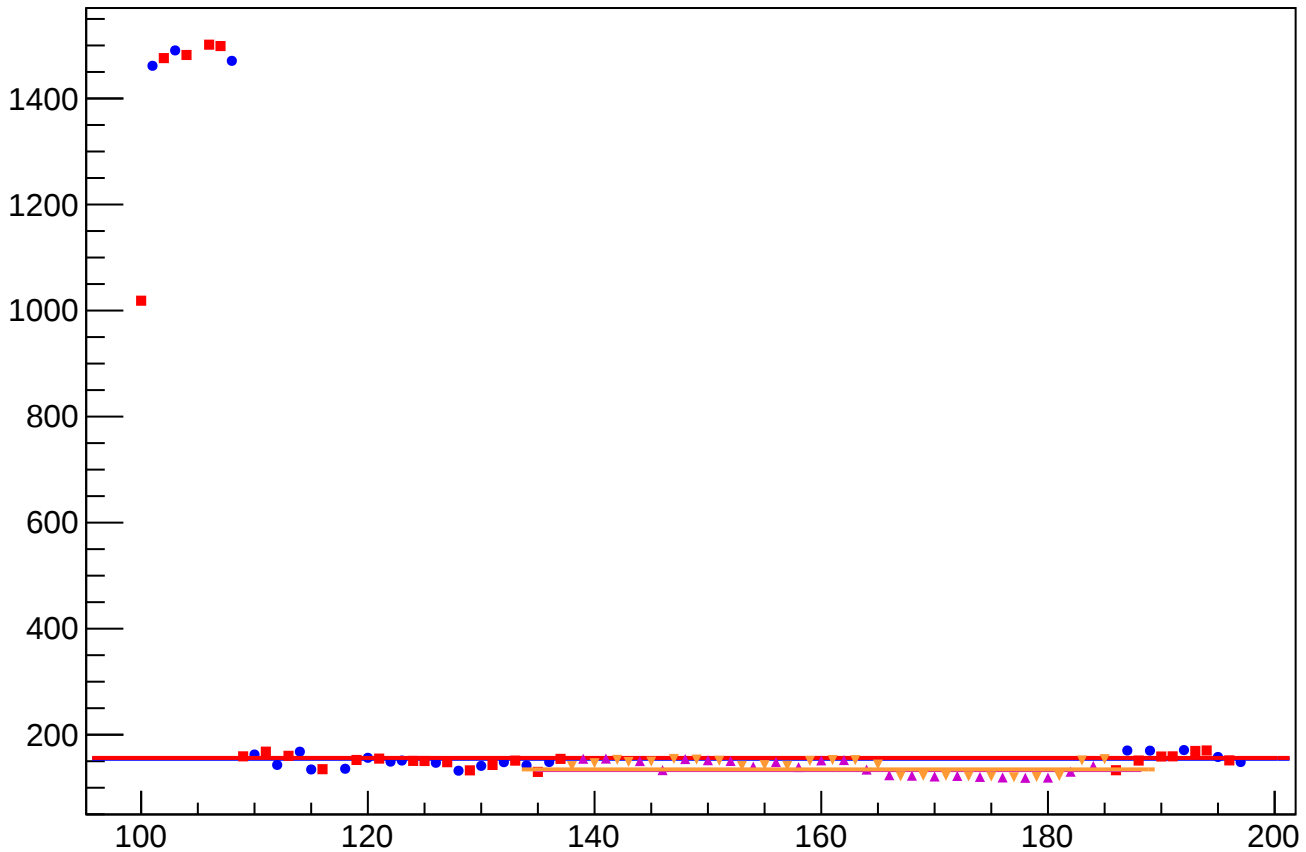
Left In: 0.490+/-0.000 χ^2/NDF : 1090532.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 49807023.6/46

All: 0.011+/-0.000 χ^2/NDF : 99862696.4/95

- sign 0.011+/-0.000 χ^2/NDF : 50054481.7/48

yield_bcm0l02_mean vs Slug



Right In: 154.601 $\pm$ 0.000 χ^2 /NDF: 25430268571.6/21

Left Out: 134.585 $\pm$ 0.000 χ^2 /NDF: 4387324151.1/24

Right Out: 156.239 $\pm$ 0.000 χ^2 /NDF: 34646312537.6/25

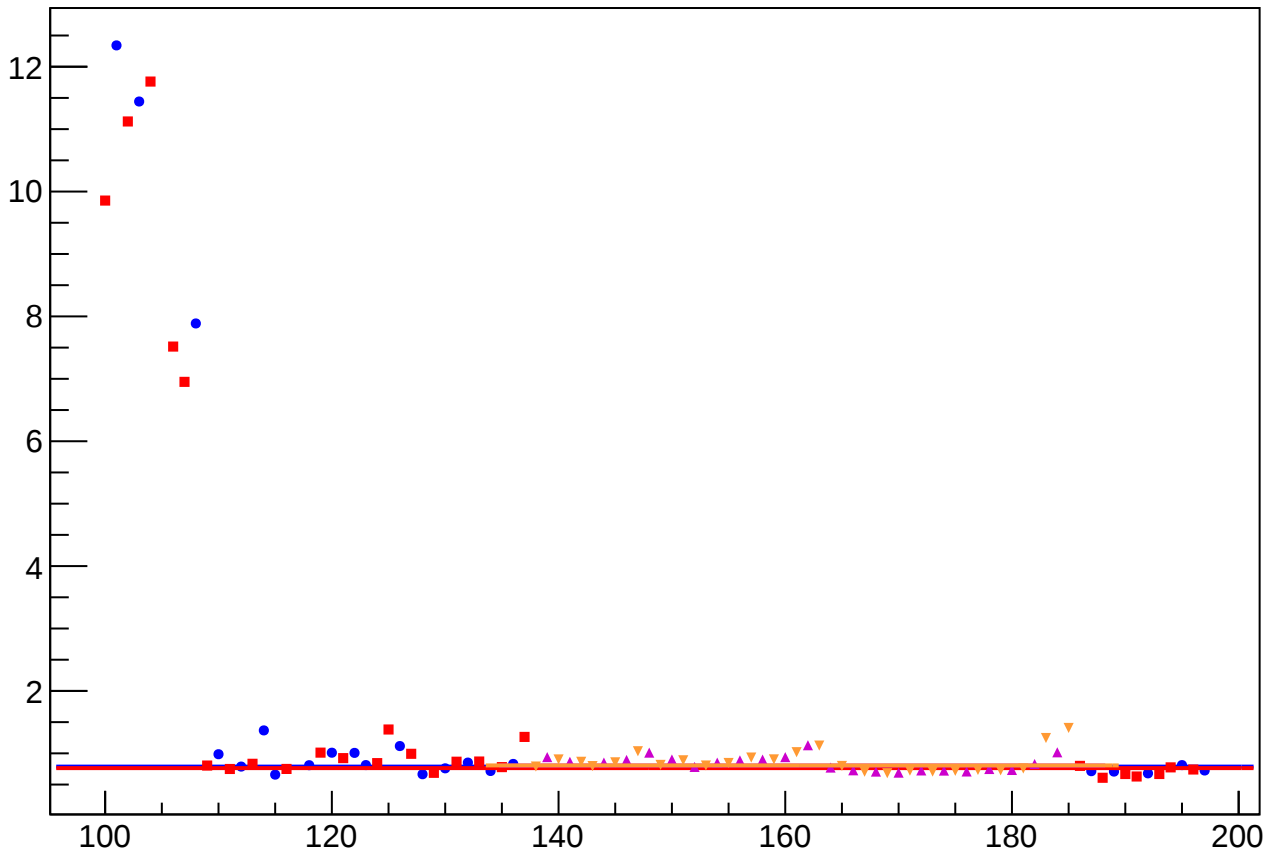
Left In: 133.309 $\pm$ 0.000 χ^2 /NDF: 4353039408.6/22

+ sign 140.608 $\pm$ 0.000 χ^2 /NDF: 32680038587.1/46

All: 141.132 $\pm$ 0.000 χ^2 /NDF: 76073318446.0/47

- sign 141.625 $\pm$ 0.000 χ^2 /NDF: 43375201986.0/48

yield_bcm0l02_rms vs Slug



Right In: 0.787 ± 0.000 χ^2/NDF : 2767508.2/21

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.763 ± 0.000 χ^2/NDF : 3124626.4/25

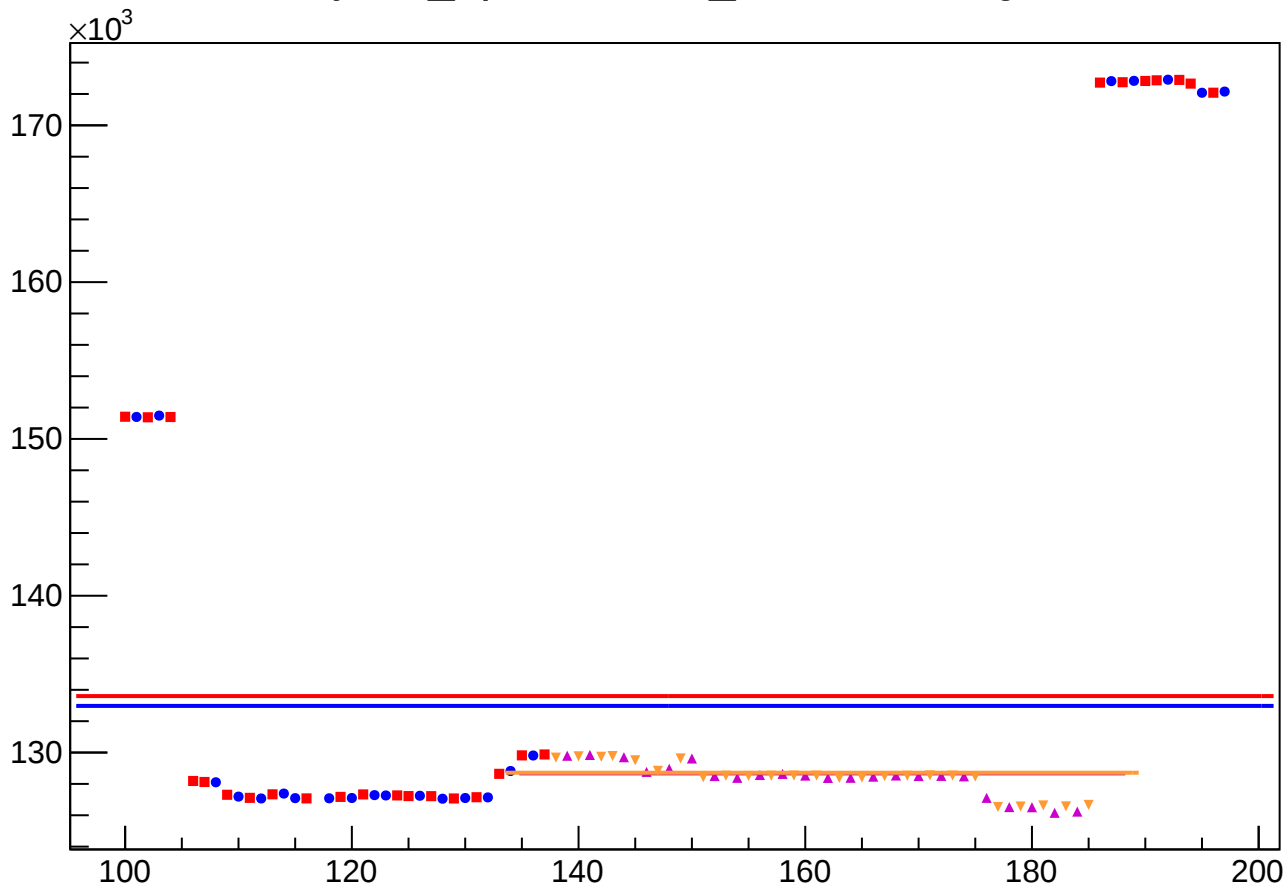
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.801 ± 0.000 χ^2/NDF : 3476956.0/46

All: 0.795 ± 0.000 χ^2/NDF : 7113847.7/95

- sign 0.790 ± 0.000 χ^2/NDF : 3632454.4/48

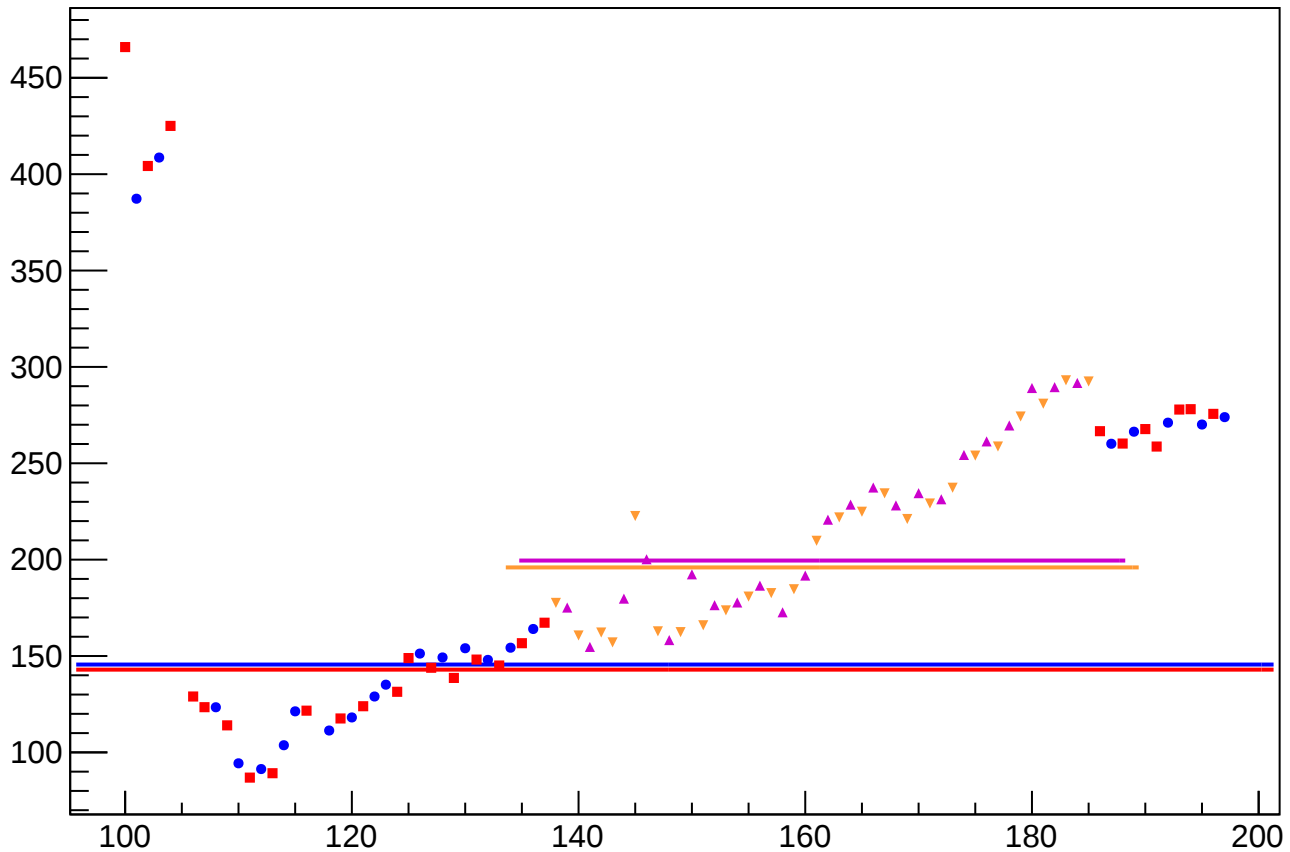
yield_bpm2i01WS_mean vs Slug



Right In: 132974.261+/-0.052 χ^2/NDF : 78032297581.3/21
 Left Out: 128713.791+/-0.047 χ^2/NDF : 348293942.5/24
 Right Out: 133600.728+/-0.047 χ^2/NDF : 103717642471.0/25
 Left In: 128670.094+/-0.049 χ^2/NDF : 334875494.0/22

+ sign 130633.961+/-0.035 χ^2/NDF : 82139509065.
 All: 130935.642+/-0.024 χ^2/NDF : 191624900
 - sign 131225.534+/-0.034 χ^2/NDF : 109336109738

yield_bpm2i01WS_rms vs Slug



Right In: 145.569 $\pm$ 0.036 χ^2 /NDF: 2952674.3/21

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF:1316091.7/24

Right Out: 142.928 $\pm$ 0.033 χ^2 /NDF: 3660460.7/25

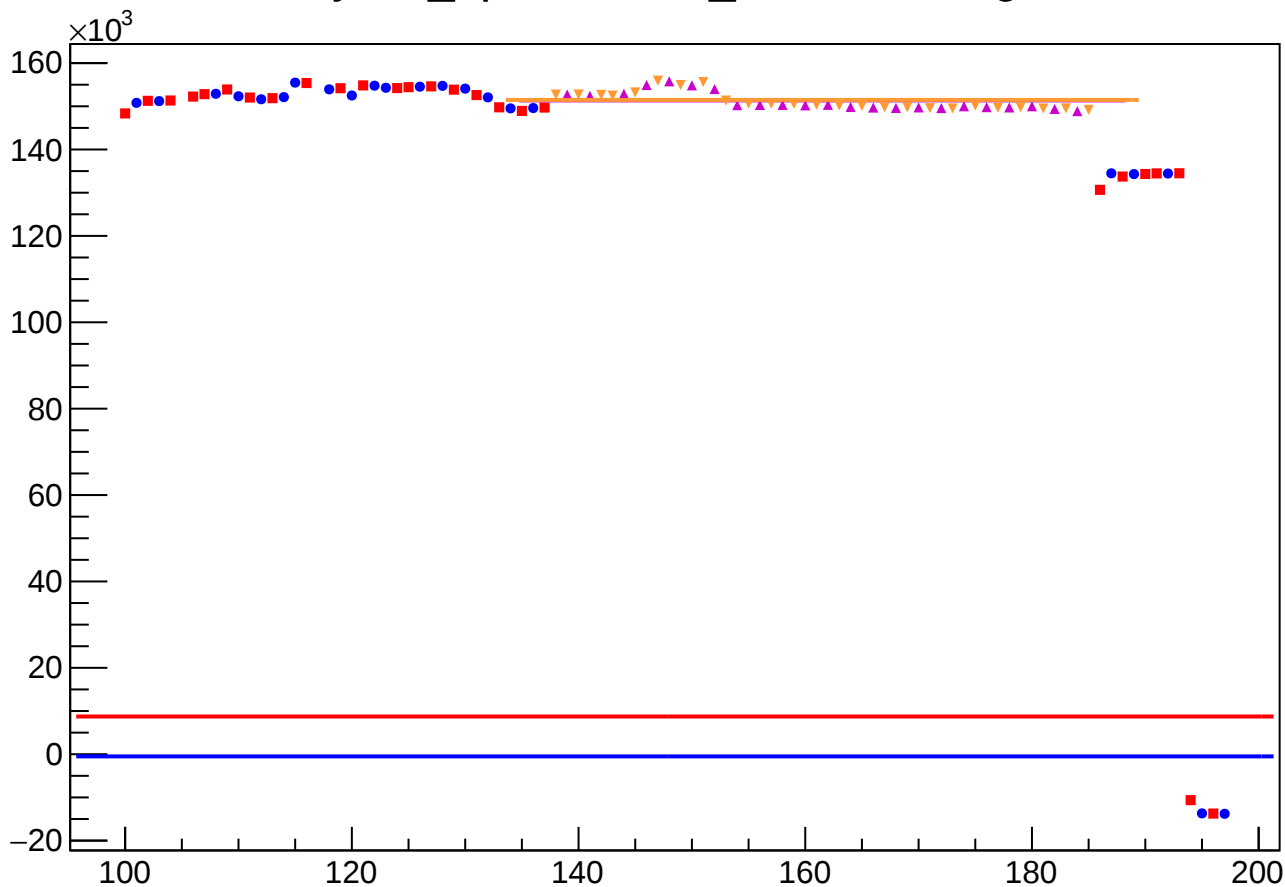
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 173.251 $\pm$ 0.024 χ^2 /NDF: 5320621.3/46

All: 171.693 $\pm$ 0.017 χ^2 /NDF: 11557008.7/95

- sign 170.195 $\pm$ 0.024 χ^2 /NDF: 6228420.1/48

yield_bpm0i07WS_mean vs Slug



Right In: -500.768 $\pm$ 0.019 χ^2 /NDF: 5488867509372.1/21

Left Out: 151480.339 $\pm$ 0.049 χ^2 /NDF: 1483692735.3/24

Right Out: 8736.579 $\pm$ 0.022 χ^2 /NDF: 6343896202639.8/25

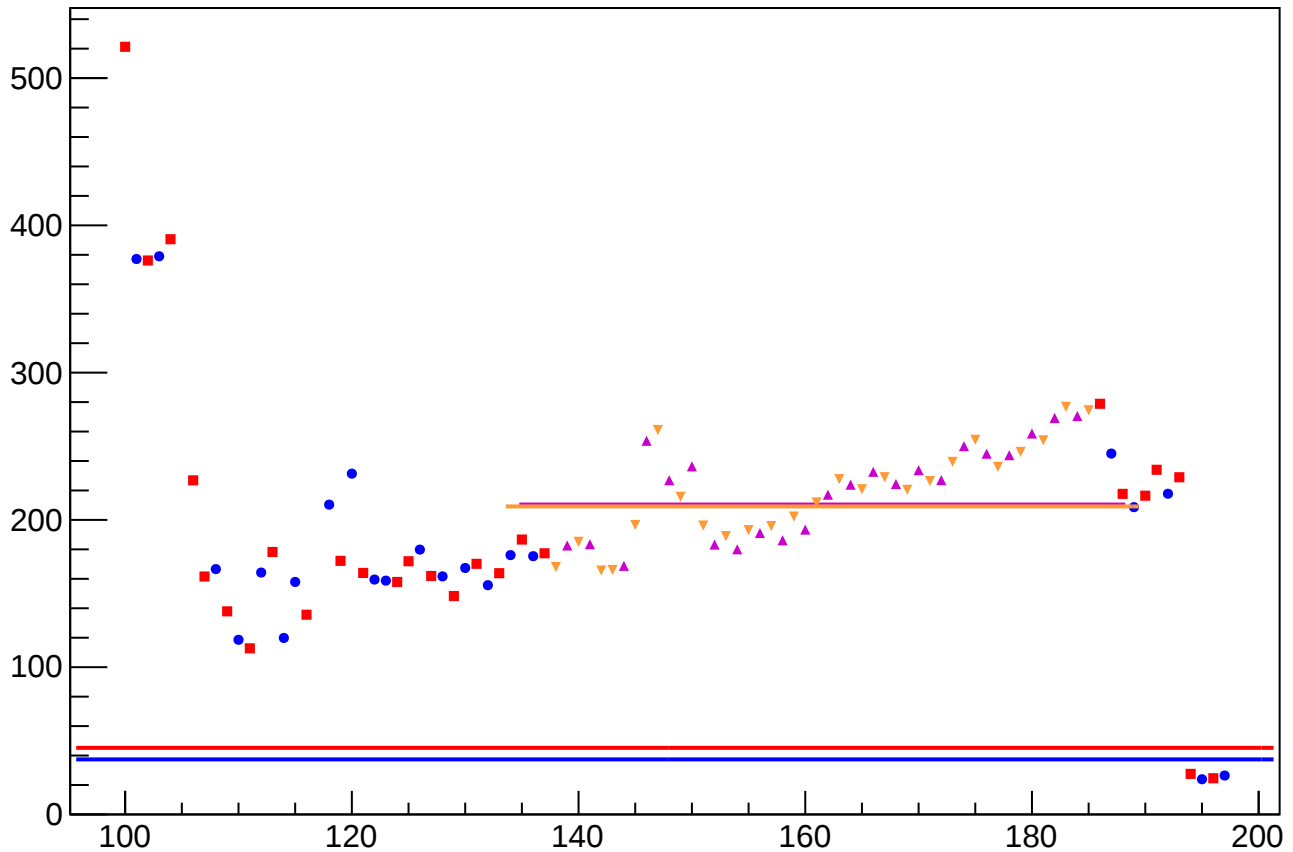
Left In: 151362.440 $\pm$ 0.051 χ^2 /NDF: 1426782789.9/22

+ sign 19158.619 $\pm$ 0.018 χ^2 /NDF: 1370716719873

All: 24260.543 $\pm$ 0.013 χ^2 /NDF: 2679352487

- sign 30802.253 $\pm$ 0.020 χ^2 /NDF: 1289871786049

yield_bpm0i07WS_rms vs Slug



Right In: 37.382 ± 0.013 $\chi^2/\text{NDF}: 10684564.0/21$

Left Out: 209.156 ± 0.035 $\chi^2/\text{NDF}: 710094.9/24$

Right Out: 45.239 ± 0.015 $\chi^2/\text{NDF}: 12054465.1/25$

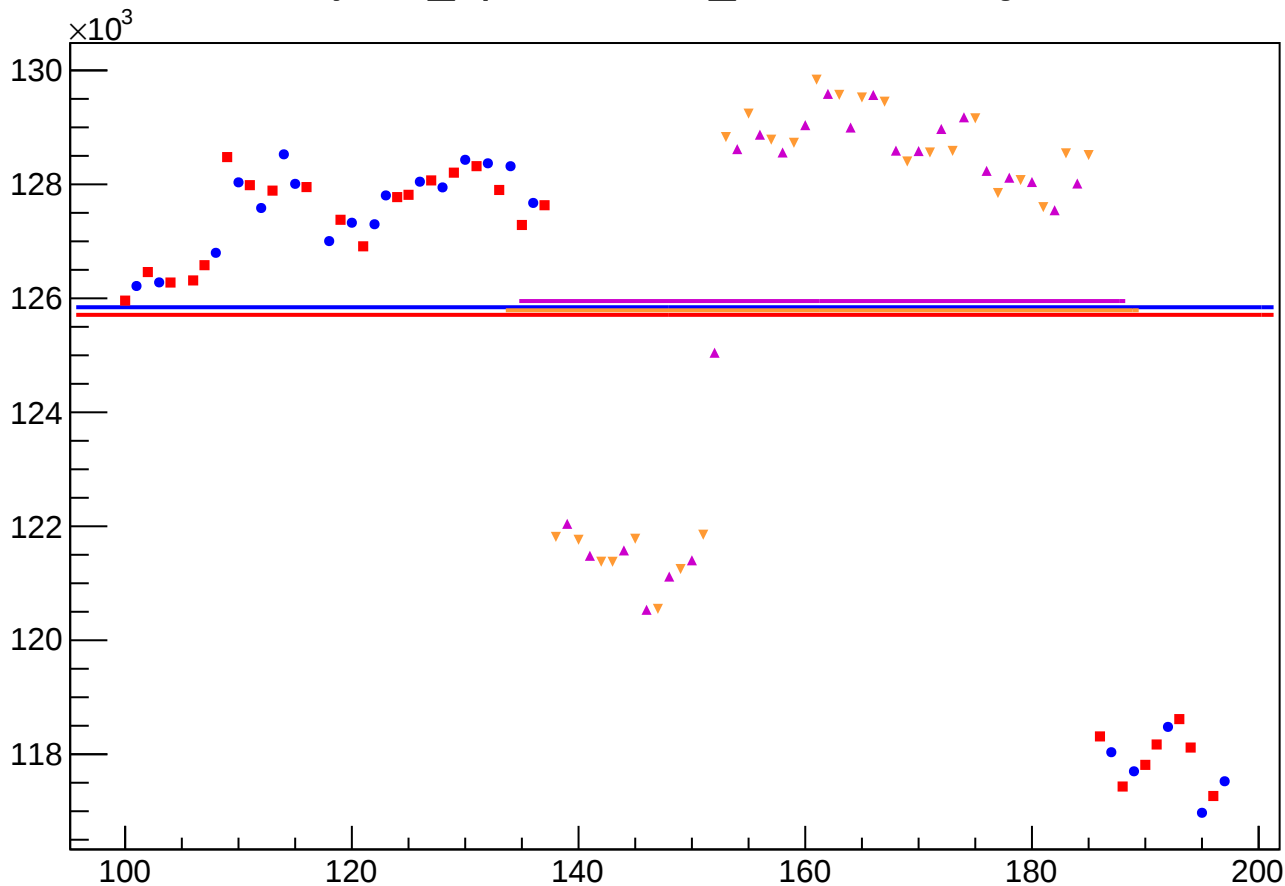
Left In: 210.431 ± 0.036 $\chi^2/\text{NDF}: 684015.0/22$

+ sign 59.602 ± 0.013 $\chi^2/\text{NDF}: 32387255.4/46$

All: 64.507 ± 0.009 $\chi^2/\text{NDF}: 63054923.8/95$

- sign 70.796 ± 0.014 $\chi^2/\text{NDF}: 30320823.3/48$

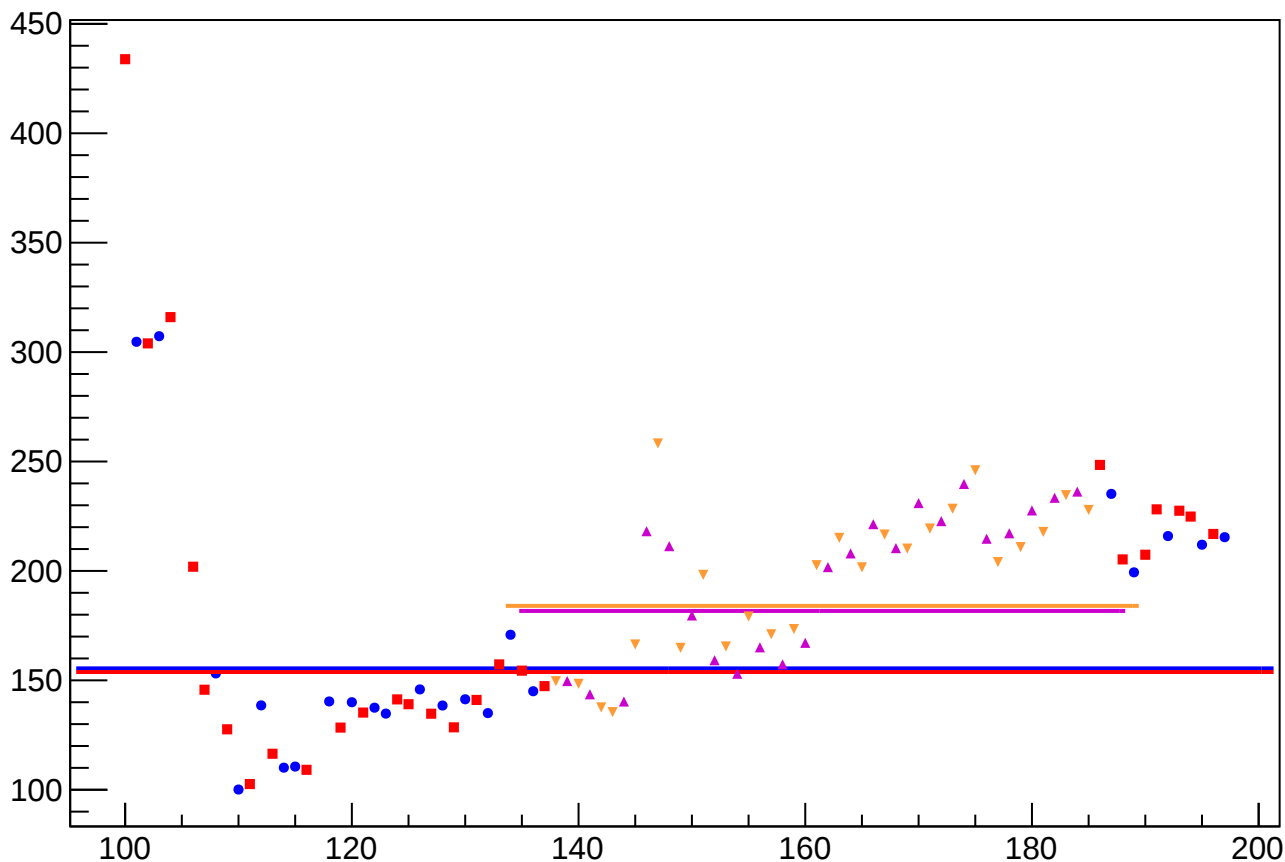
yield_bpm0l01WS_mean vs Slug



Right In: 125843.756 $\pm$ 0.053 χ^2 /NDF: 5615560553.1/21
 Left Out: 125790.126 $\pm$ 0.044 χ^2 /NDF: 6744310079.8/24
 Right Out: 125710.249 $\pm$ 0.049 χ^2 /NDF: 6810374488.7/25
 Left In: 125952.447 $\pm$ 0.045 χ^2 /NDF: 5841800367.5/22

+ sign 125812.147 $\pm$ 0.034 χ^2 /NDF: 12360481726.
 All: 125827.297 $\pm$ 0.024 χ^2 /NDF: 250264965
 - sign 125841.697 $\pm$ 0.033 χ^2 /NDF: 12665621839.5

yield_bpm0l01WS_rms vs Slug



Right In: 155.463 $\pm$ 0.037 χ^2 /NDF: 1388557.8/21

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF: 1126592.5/24

Right Out: 153.805 $\pm$ 0.034 χ^2 /NDF: 1912249.2/25

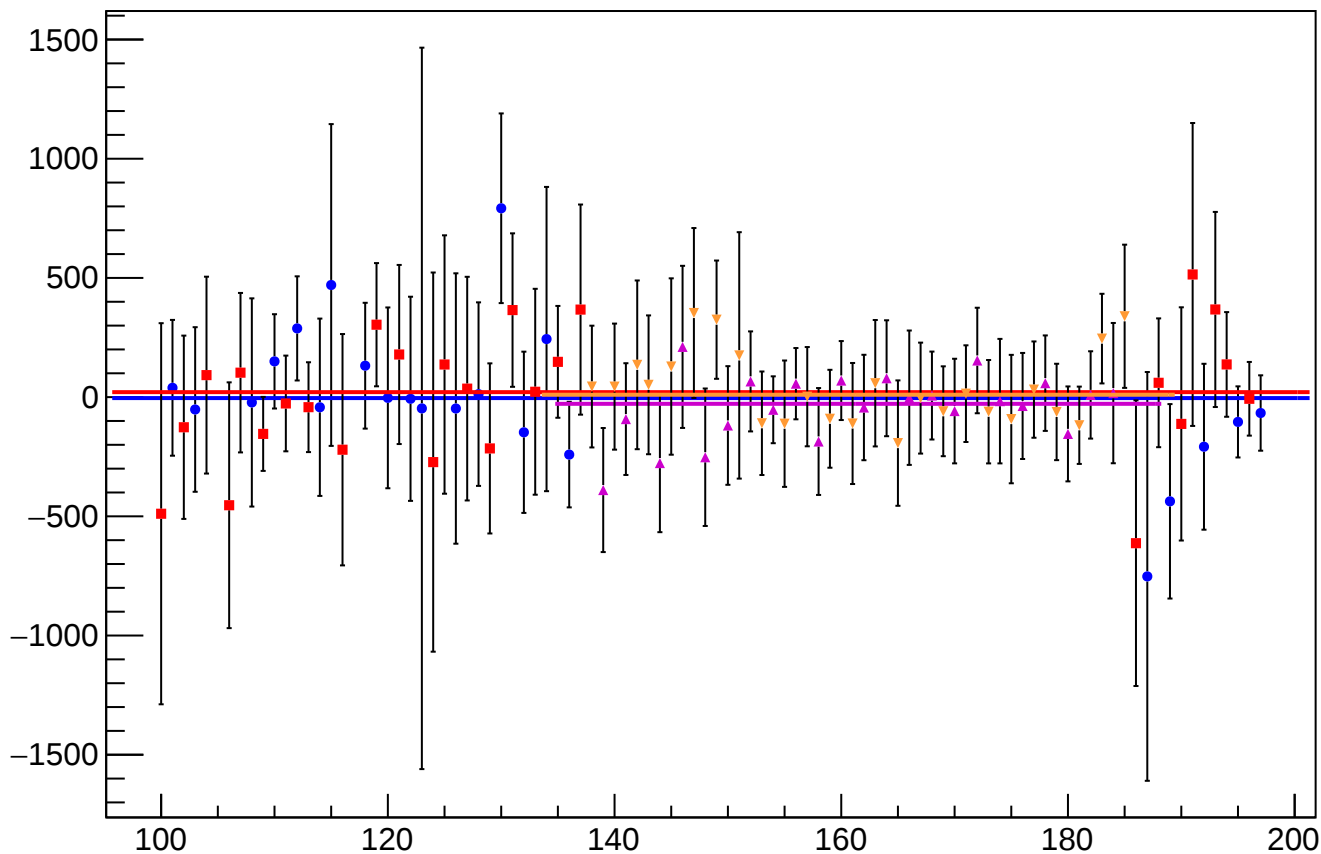
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

+ sign 172.300 $\pm$ 0.024 χ^2 /NDF: 2861911.9/46

All: 170.583 $\pm$ 0.017 χ^2 /NDF: 6257506.0/95

- sign 168.952 $\pm$ 0.023 χ^2 /NDF: 3385504.5/48

asym_bcm_an_ds_mean vs Slug



Right In: -4.010 ± 62.316 χ^2/NDF : 11.5/21

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 20.878 ± 58.204 χ^2/NDF : 10.1/25

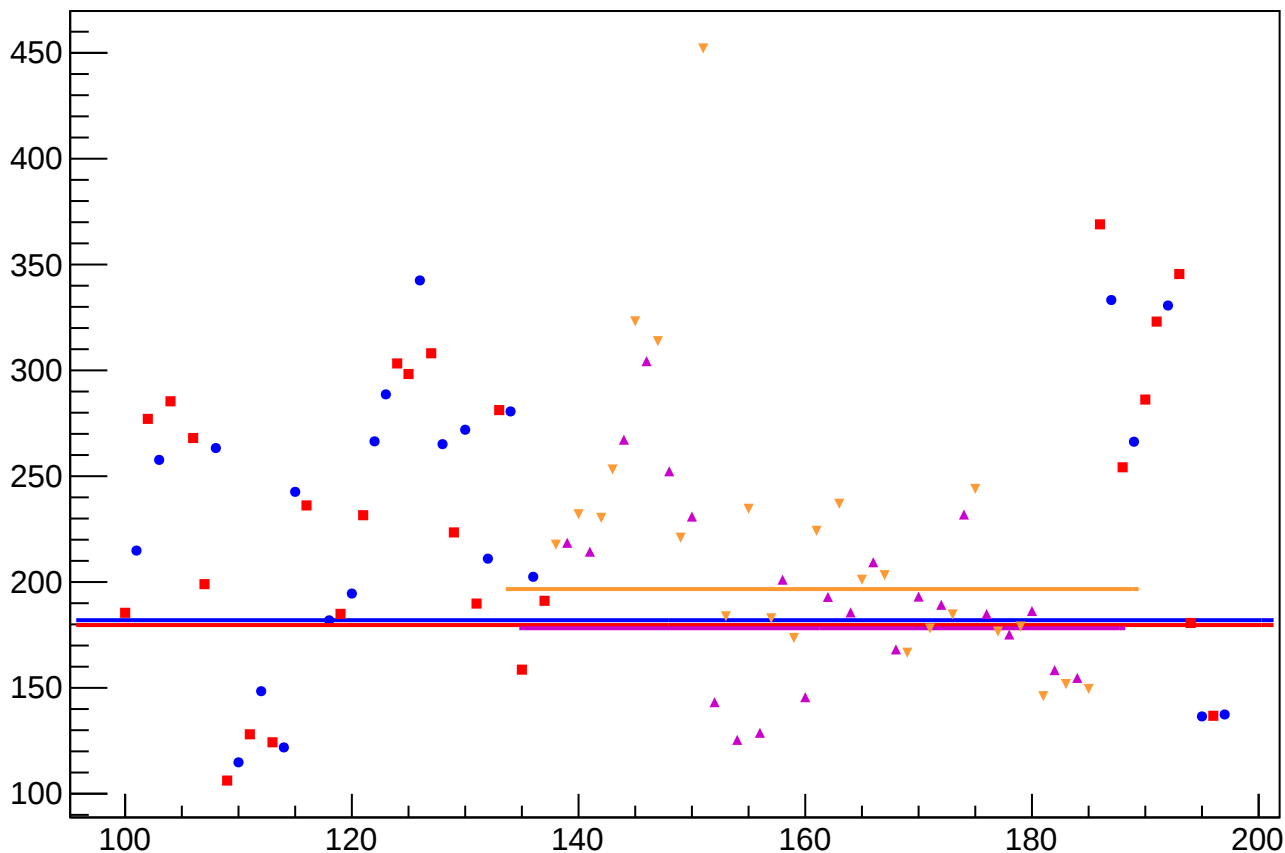
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign 4.902 ± 37.771 χ^2/NDF : 20.0/46

All: -3.014 ± 25.824 χ^2/NDF : 37.6/95

- sign -9.963 ± 35.388 χ^2/NDF : 17.5/48

asym_bcm_an_ds_rms vs Slug



Right In: 181.972 $\pm$ 0.044 χ^2 /NDF: 1921573.5/21

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF: 1782715.7/24

Right Out: 179.676 $\pm$ 0.041 χ^2 /NDF: 2629777.6/25

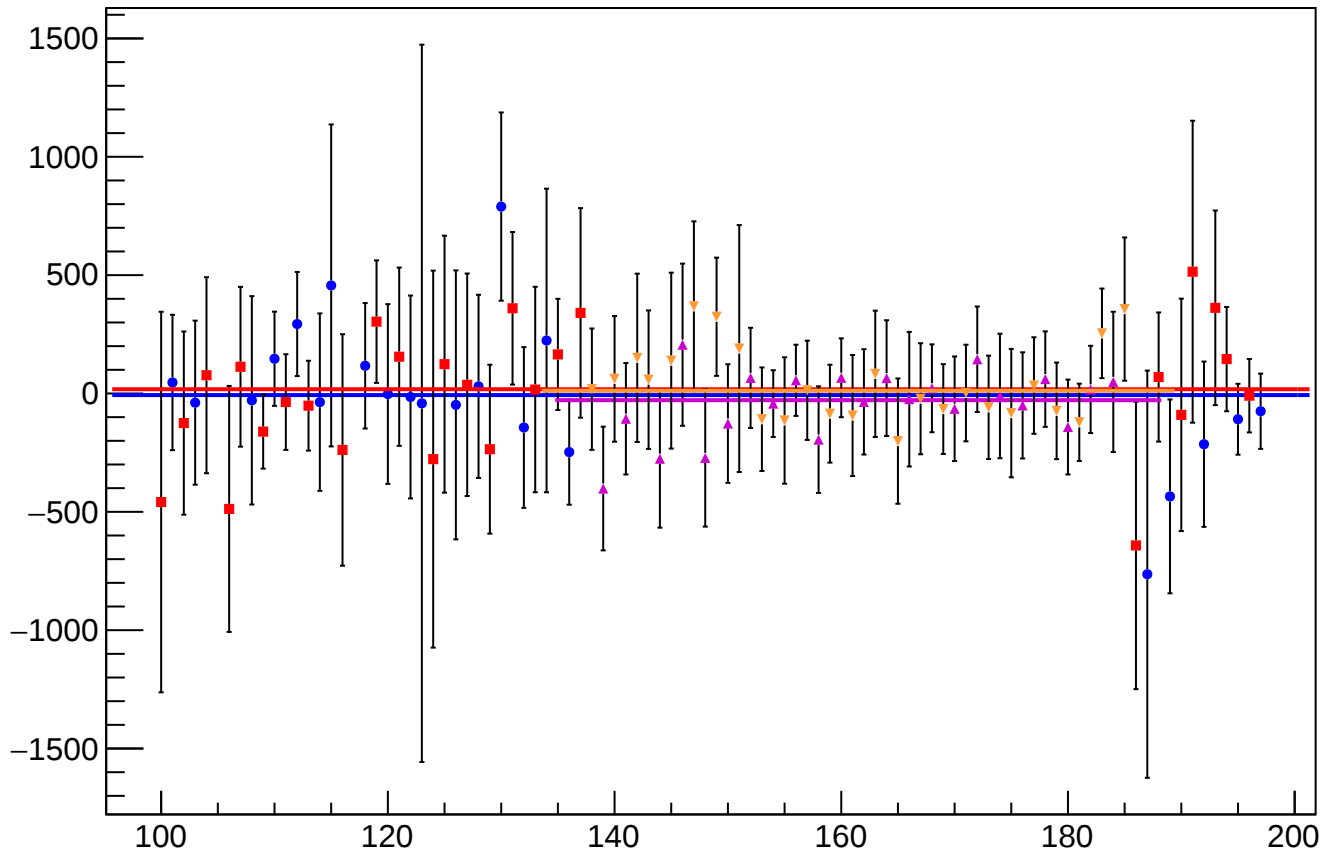
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF: 1618967.9/22

+ sign 191.278 $\pm$ 0.027 χ^2 /NDF: 3774787.5/46

All: 184.592 $\pm$ 0.018 χ^2 /NDF: 8142034.2/95

- sign 178.724 $\pm$ 0.025 χ^2 /NDF: 4249594.8/48

asym_bcm_an_ds3_mean vs Slug



Right In: -6.761 ± 62.611 χ^2/NDF : 11.6/21

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 17.942 ± 58.509 χ^2/NDF : 10.3/25

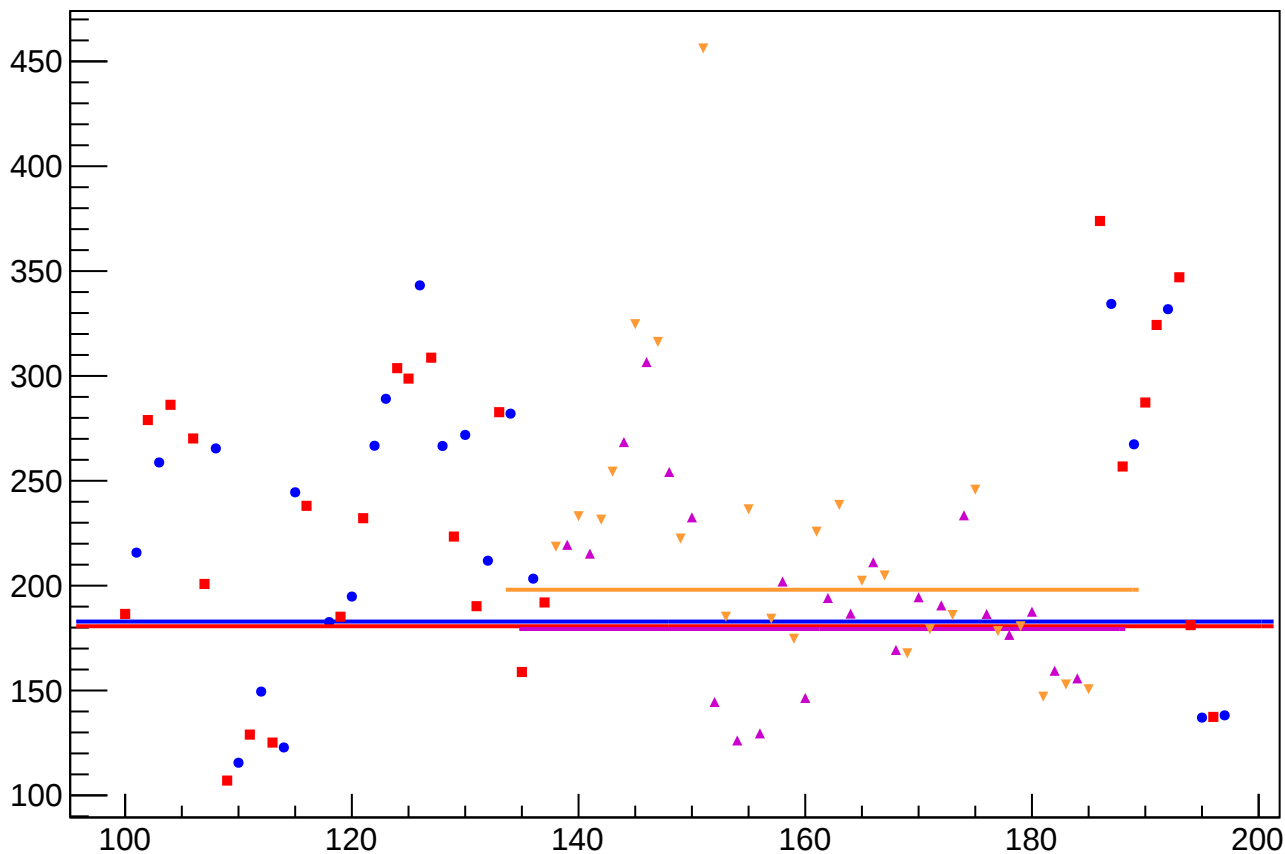
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign 4.759 ± 38.003 χ^2/NDF : 20.4/46

All: -3.723 ± 25.982 χ^2/NDF : 38.4/95

- sign -11.166 ± 35.602 χ^2/NDF : 17.8/48

asym_bcm_an_ds3_rms vs Slug



Right In: 182.874 $\pm$ 0.044 χ^2 /NDF: 1912659.2/21

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF:1778526.5/24

Right Out: 180.646 $\pm$ 0.041 χ^2 /NDF: 2623569.8/25

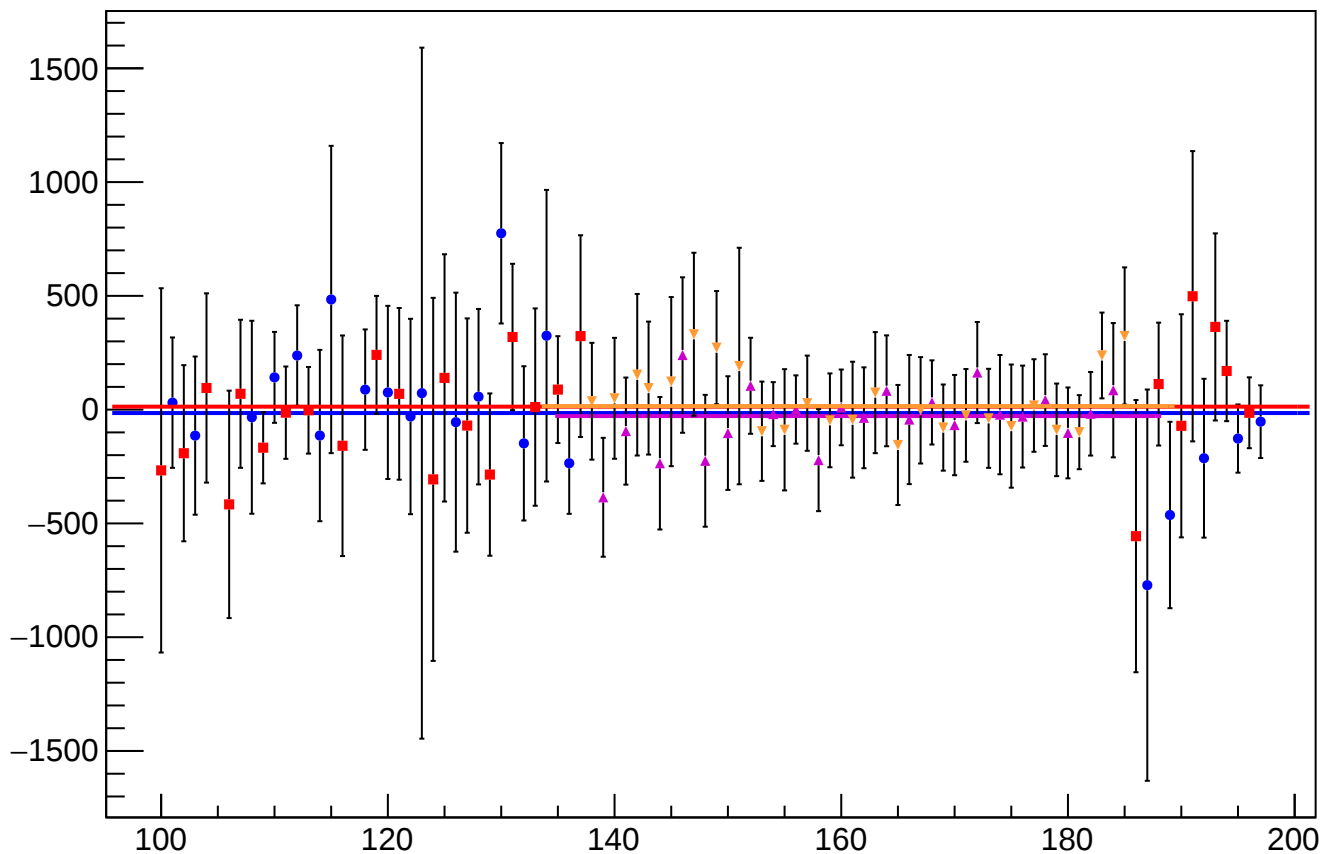
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 192.465 $\pm$ 0.027 χ^2 /NDF: 3765481.8/46

All: 185.727 $\pm$ 0.018 χ^2 /NDF: 8126010.7/95

- sign 179.813 $\pm$ 0.025 χ^2 /NDF: 4242478.8/48

asym_bcm_an_us_mean vs Slug



Right In: -14.970 ± 62.663 χ^2/NDF : 11.2/21

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: 13.118 ± 58.458 χ^2/NDF : 8.8/25

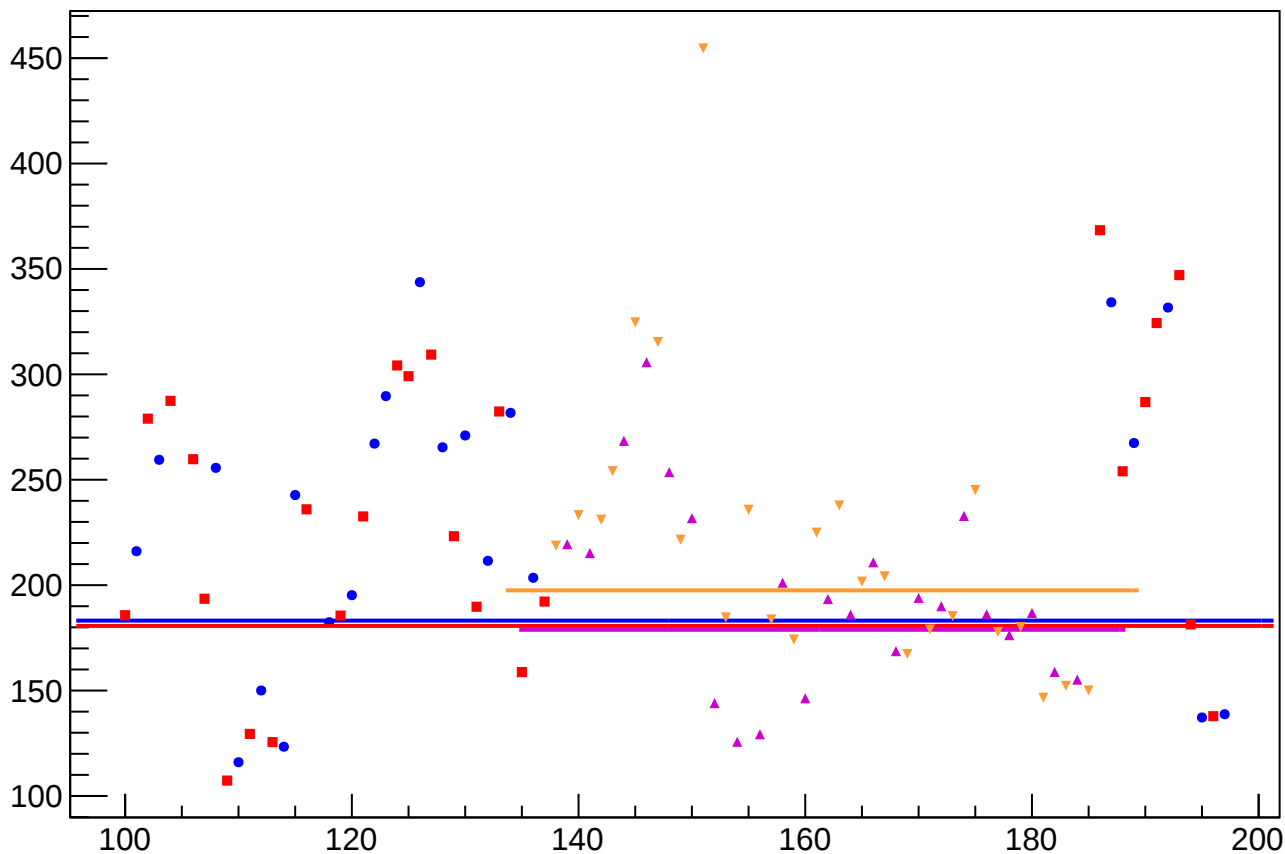
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign 4.284 ± 37.952 χ^2/NDF : 18.3/46

All: -4.919 ± 25.938 χ^2/NDF : 33.9/95

- sign -12.985 ± 35.530 χ^2/NDF : 15.5/48

asym_bcm_an_us_rms vs Slug



Right In: 183.179 $\pm$ 0.044 χ^2 /NDF: 1883974.9/21

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF: 1784225.5/24

Right Out: 180.671 $\pm$ 0.041 χ^2 /NDF: 2582354.4/25

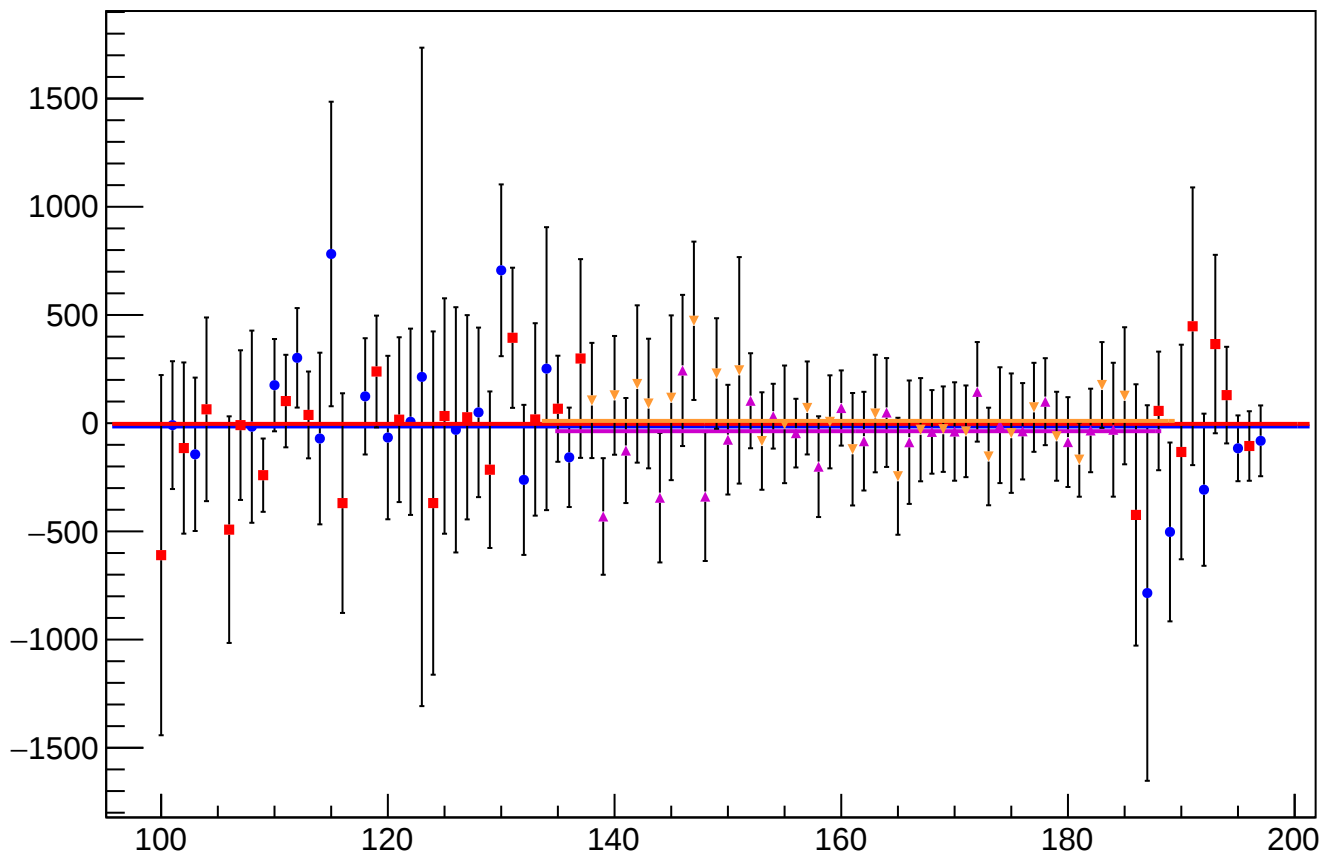
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF: 1622266.9/22

+ sign 192.264 $\pm$ 0.027 χ^2 /NDF: 3734594.7/46

All: 185.469 $\pm$ 0.018 χ^2 /NDF: 8060763.8/95

- sign 179.514 $\pm$ 0.025 χ^2 /NDF: 4205864.2/48

asym_bcm_dg_us_mean vs Slug



Right In: -15.106 ± 64.284 χ^2/NDF : 12.3/21

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: -3.212 ± 60.512 χ^2/NDF : 10.4/25

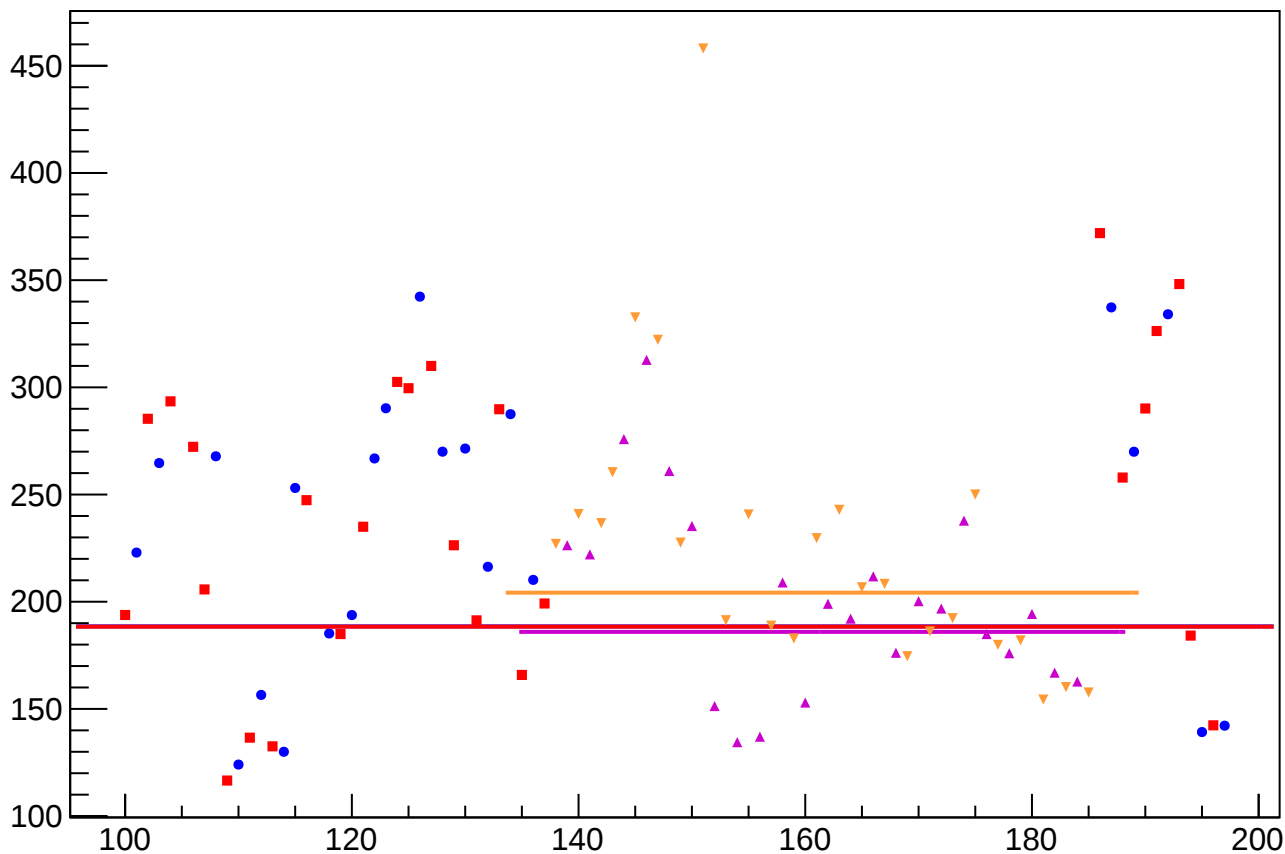
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign 1.064 ± 39.069 χ^2/NDF : 19.9/46

All: -12.484 ± 26.788 χ^2/NDF : 38.6/95

- sign -24.504 ± 36.800 χ^2/NDF : 18.5/48

asym_bcm_dg_us_rms vs Slug



Right In: 188.490 $\pm$ 0.045 χ^2 /NDF: 1789194.1/21

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 188.374 $\pm$ 0.043 χ^2 /NDF: 2345955.3/25

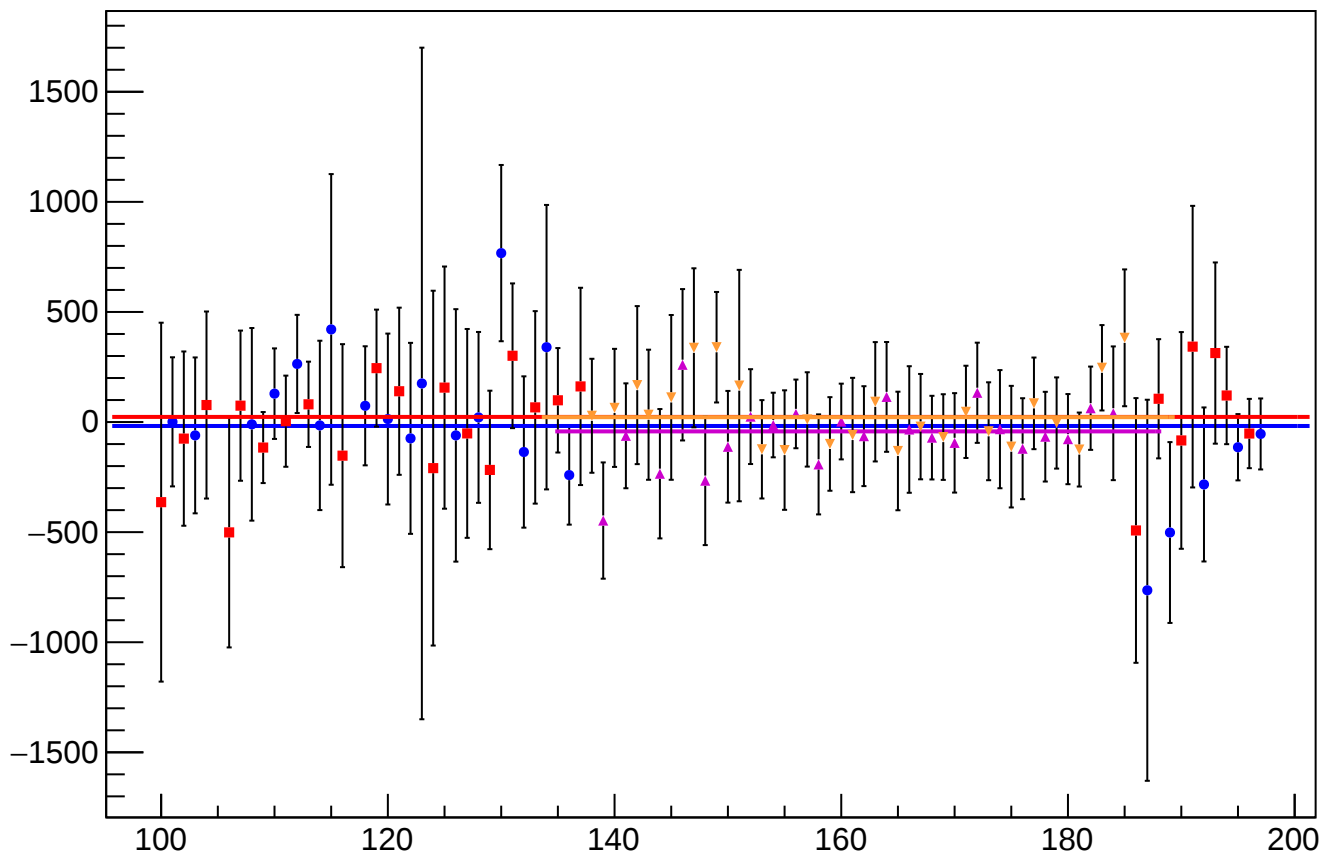
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 198.420 $\pm$ 0.028 χ^2 /NDF: 3540532.1/46

All: 192.281 $\pm$ 0.019 χ^2 /NDF: 7441792.5/95

- sign 186.835 $\pm$ 0.026 χ^2 /NDF: 3808074.3/48

asym_bcm_dg_ds_mean vs Slug



Right In: -17.849 ± 63.497 χ^2/NDF : 11.1/21

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 23.331 ± 59.434 χ^2/NDF : 6.7/25

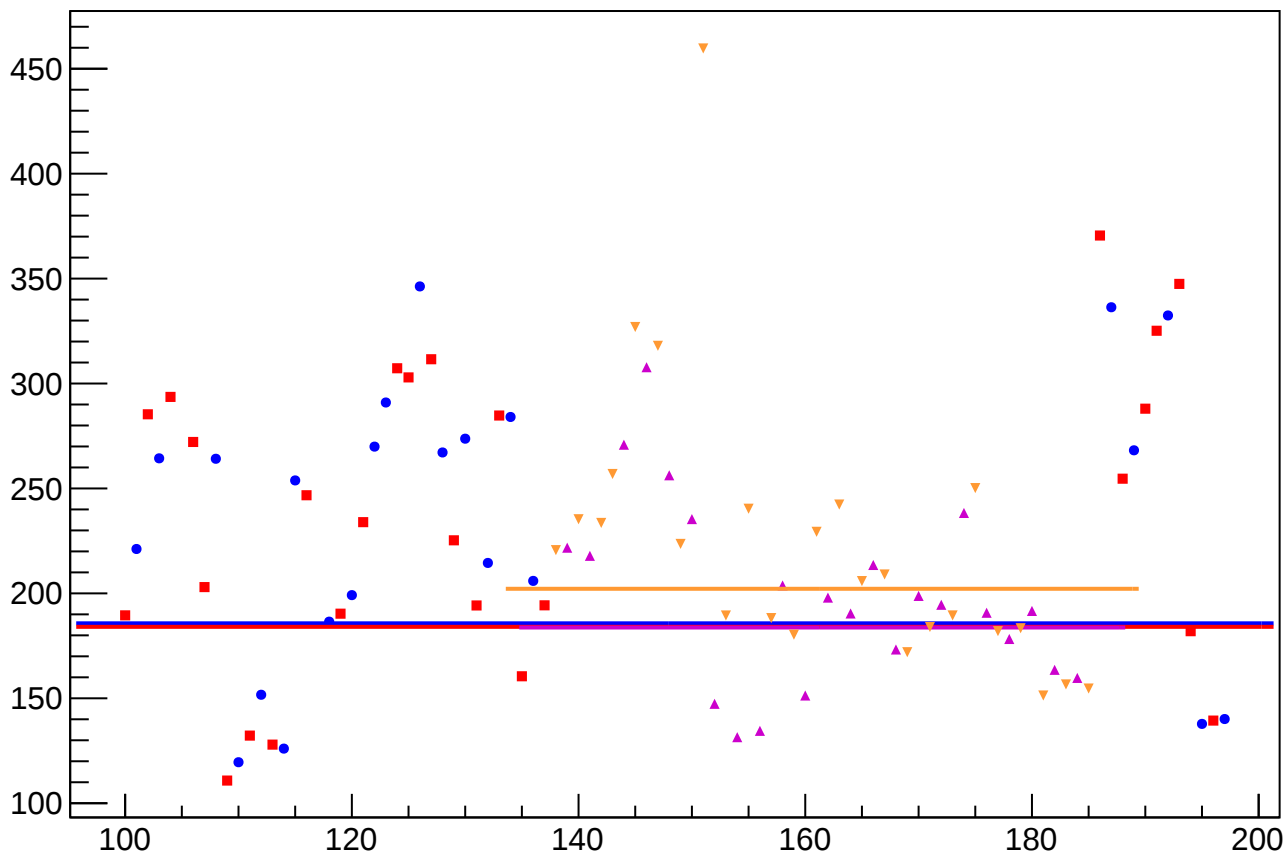
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign 7.345 ± 38.662 χ^2/NDF : 19.7/46

All: -6.068 ± 26.467 χ^2/NDF : 34.1/95

- sign -17.898 ± 36.308 χ^2/NDF : 14.2/48

asym_bcm_dg_ds_rms vs Slug



Right In: 185.731 ± 0.045 χ^2/NDF : 1873945.5/21

Left Out: 202.186 ± 0.034 χ^2/NDF : 1696571.9/24

Right Out: 184.058 ± 0.042 χ^2/NDF : 2530763.6/25

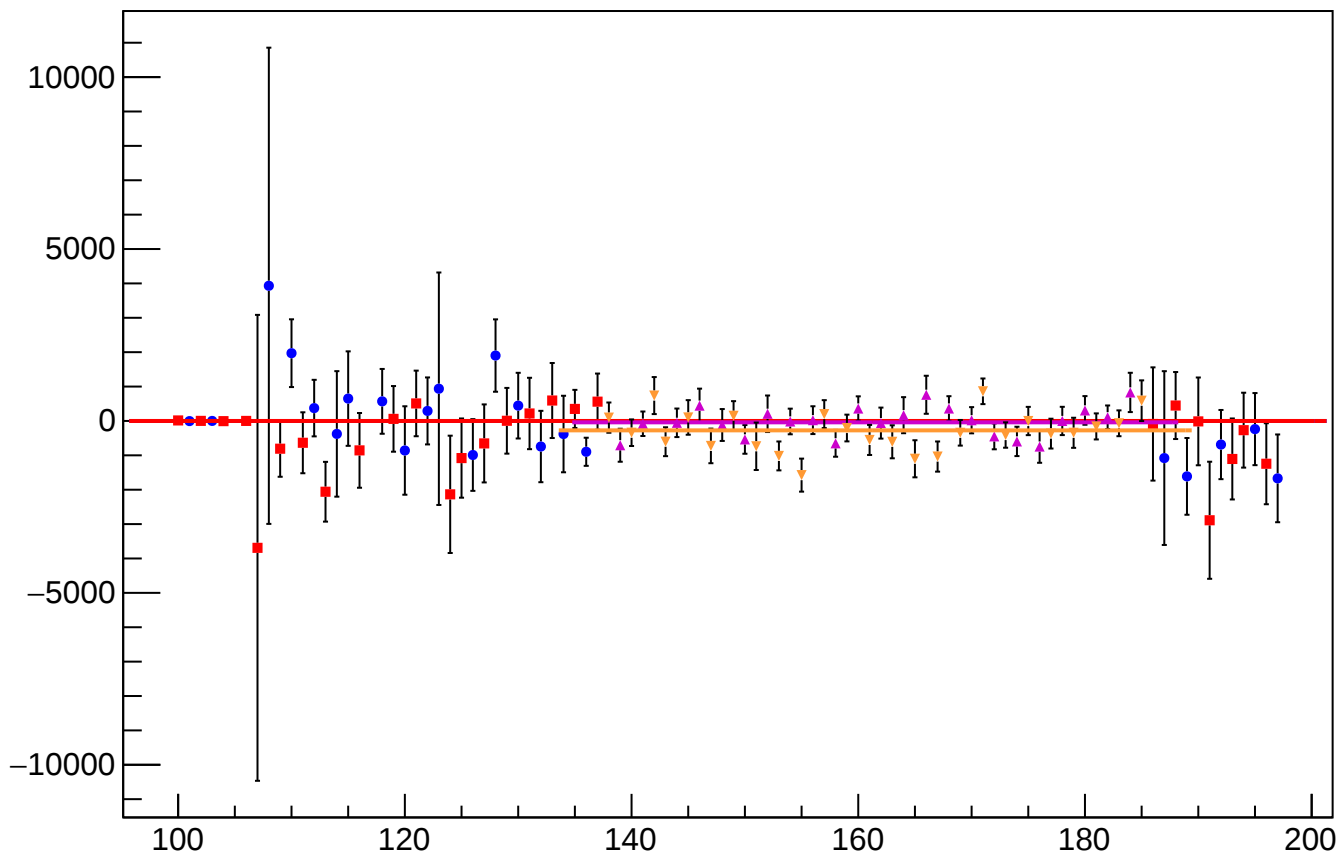
Left In: 183.732 ± 0.032 χ^2/NDF : 1495930.4/22

+ sign 196.085 ± 0.027 χ^2/NDF : 3655040.2/46

All: 189.586 ± 0.019 χ^2/NDF : 7788147.1/95

- sign 183.854 ± 0.026 χ^2/NDF : 4026731.6/48

asym_cav4bQ_mean vs Slug



Right In: -1.546 ± 2.251 χ^2/NDF : 21.4/21

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.742 ± 2.111 χ^2/NDF : 23.4/25

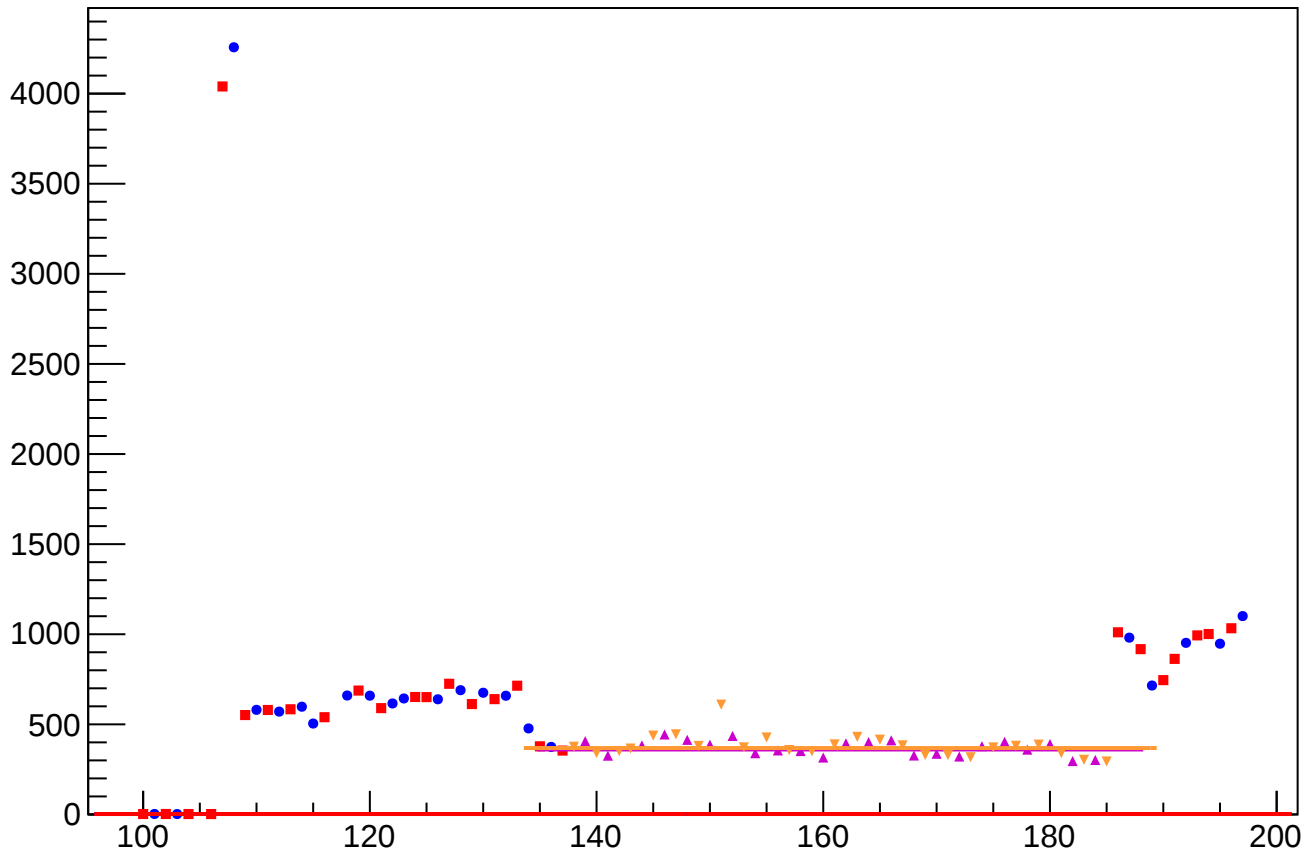
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.728 ± 2.251 χ^2/NDF : 69.5/46

All: -1.216 ± 1.540 χ^2/NDF : 113.4/95

- sign -0.765 ± 2.110 χ^2/NDF : 43.7/48

asym_cav4bQ_rms vs Slug



Right In: 2.472 $\pm$ 0.002 χ^2 /NDF: 16671839.2/21

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF:623011.6/24

Right Out: 2.456 $\pm$ 0.001 χ^2 /NDF: 19426963.2/25

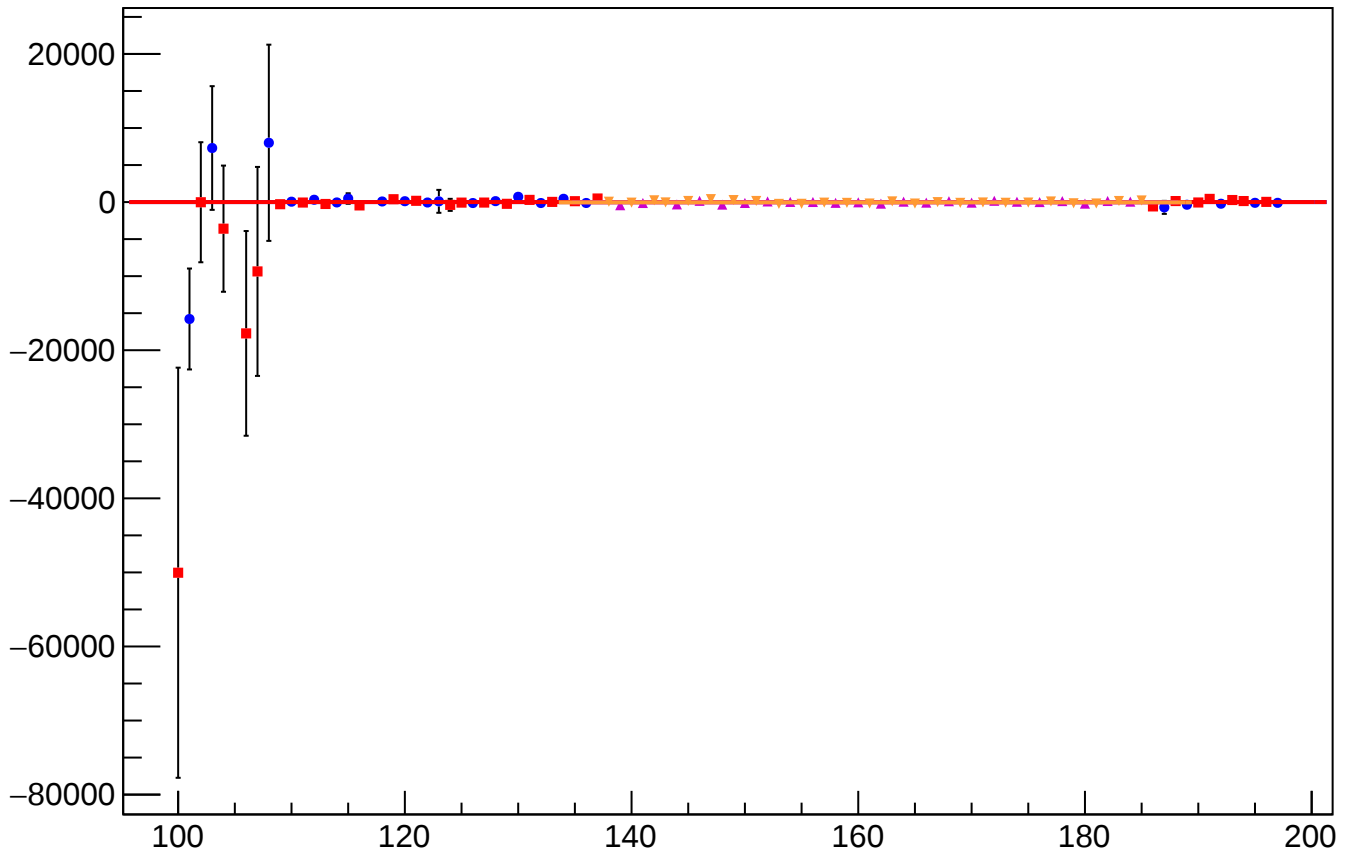
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF:421995.5/22

+ sign 2.718 $\pm$ 0.002 χ^2 /NDF: 52779000.5/46

All: 2.689 $\pm$ 0.001 χ^2 /NDF: 106133205.5/95

- sign 2.665 $\pm$ 0.001 χ^2 /NDF: 53353609.4/48

asym_cav4cQ_mean vs Slug



Right In: 1.591+/-70.539 χ^2 /NDF: 15.6/21

Left Out: -39.036+/-49.576 χ^2 /NDF: 9.1/24

Right Out: 2.510+/-67.908 χ^2 /NDF: 16.8/25

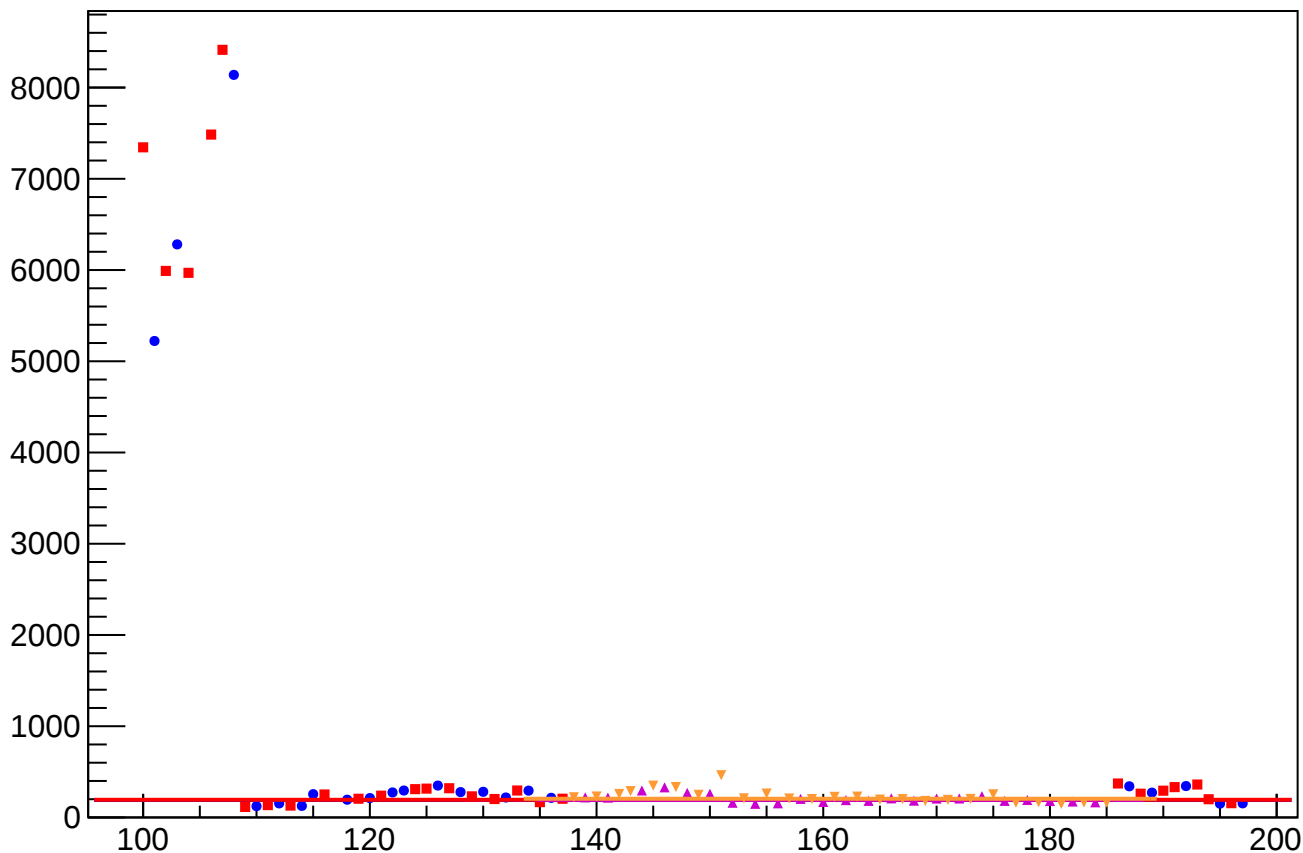
Left In: -28.062+/-48.032 χ^2 /NDF: 9.6/22

+ sign -25.603+/-40.560 χ^2 /NDF: 25.0/46

All: -21.605+/-28.192 χ^2 /NDF: 51.5/95

- sign -17.867+/-39.214 χ^2 /NDF: 26.5/48

asym_cav4cQ_rms vs Slug



Right In: 191.074 $\pm$ 0.050 χ^2 /NDF: 4401330.6/21

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF: 1957484.4/24

Right Out: 193.546 $\pm$ 0.048 χ^2 /NDF: 5226091.0/25

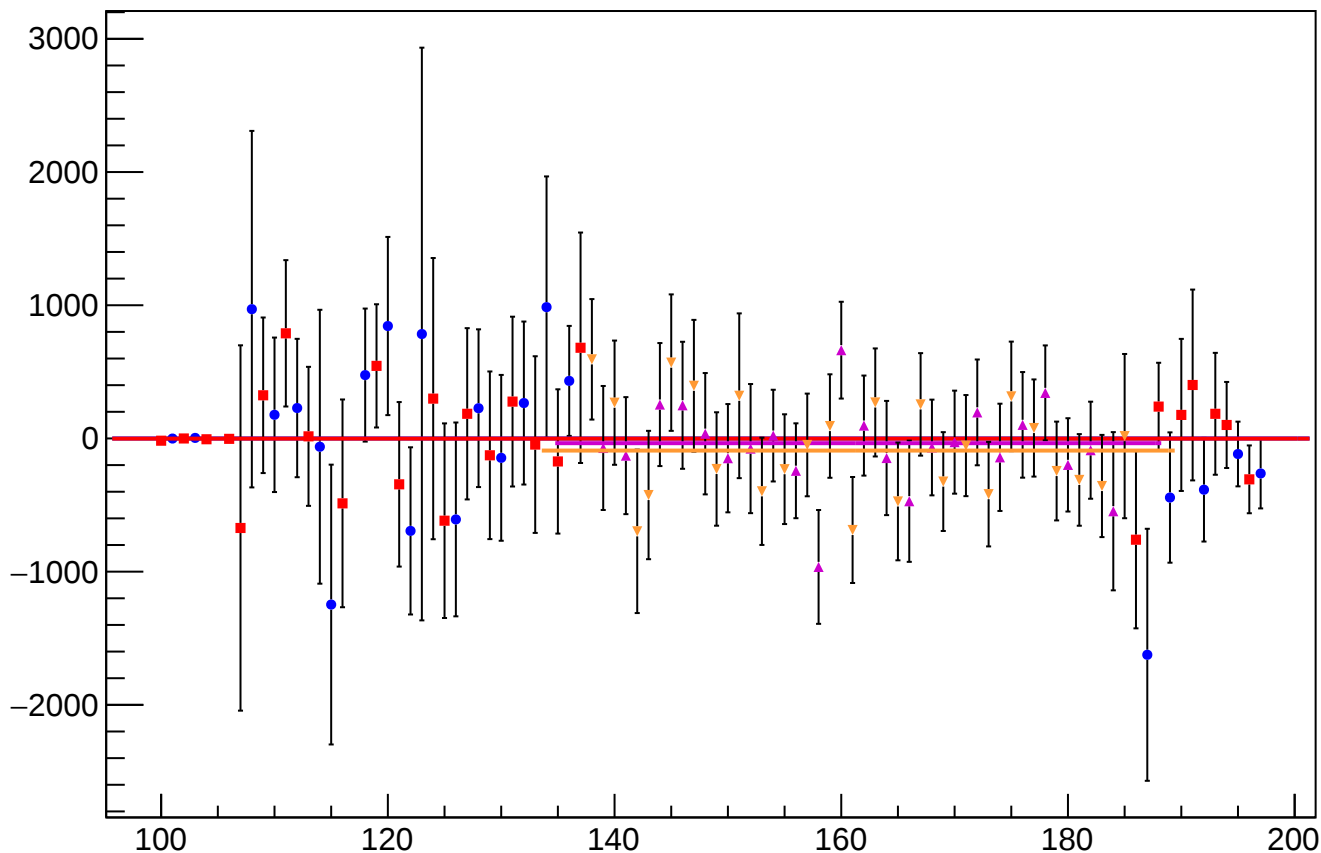
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF: 1179471.1/22

+ sign 200.472 $\pm$ 0.029 χ^2 /NDF: 6411850.5/46

All: 196.916 $\pm$ 0.020 χ^2 /NDF: 12847146.7/95

- sign 193.593 $\pm$ 0.028 χ^2 /NDF: 6405563.5/48

asym_cav4dQ_mean vs Slug



Right In: -0.177 ± 1.736 χ^2/NDF : 16.1/21

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.325 ± 1.622 χ^2/NDF : 13.2/25

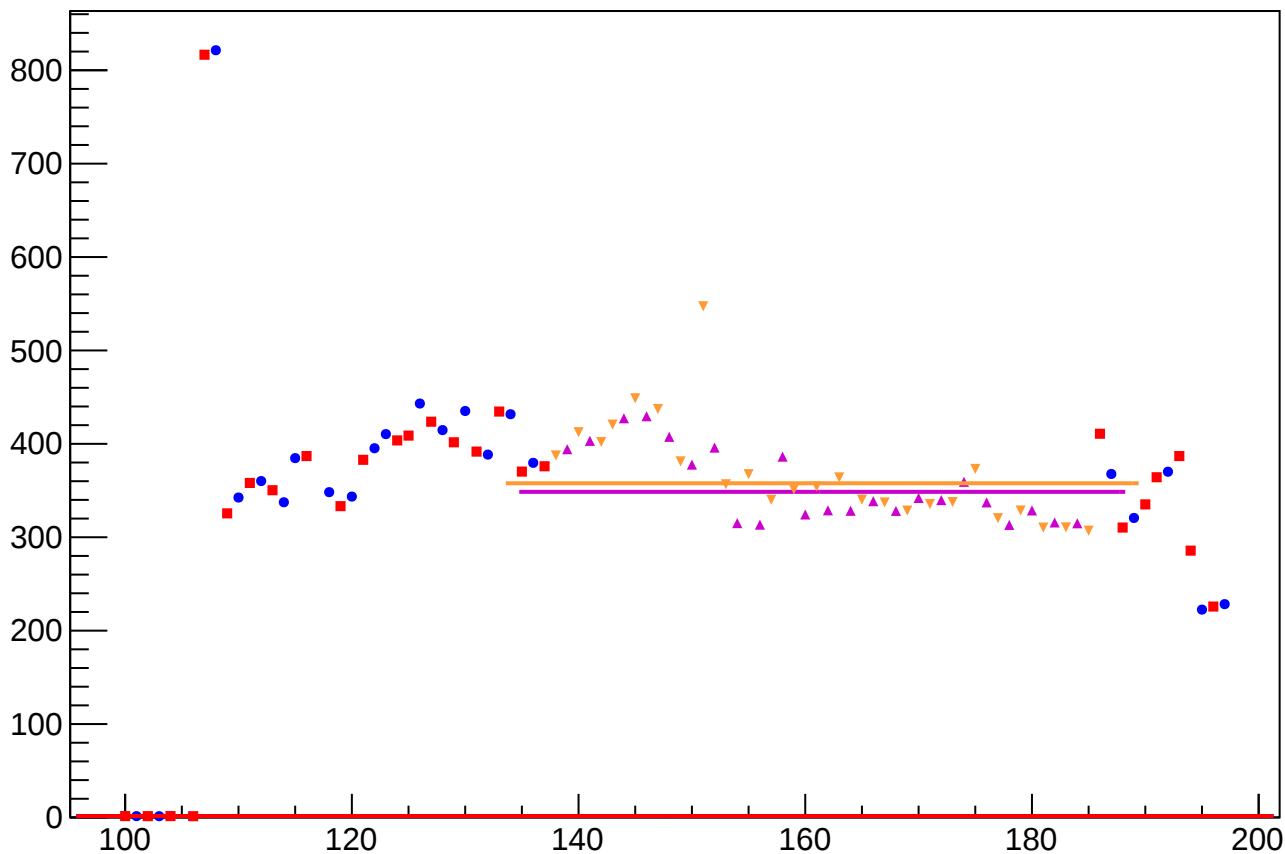
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.216 ± 1.736 χ^2/NDF : 33.7/46

All: -0.815 ± 1.185 χ^2/NDF : 60.7/95

- sign -1.338 ± 1.622 χ^2/NDF : 26.8/48

asym_cav4dQ_rms vs Slug



Right In: 1.486 ± 0.001 χ^2/NDF : 16870769.3/21

Left Out: 357.804 ± 0.059 χ^2/NDF : 547036.5/24

Right Out: 1.487 ± 0.001 χ^2/NDF : 19069902.6/25

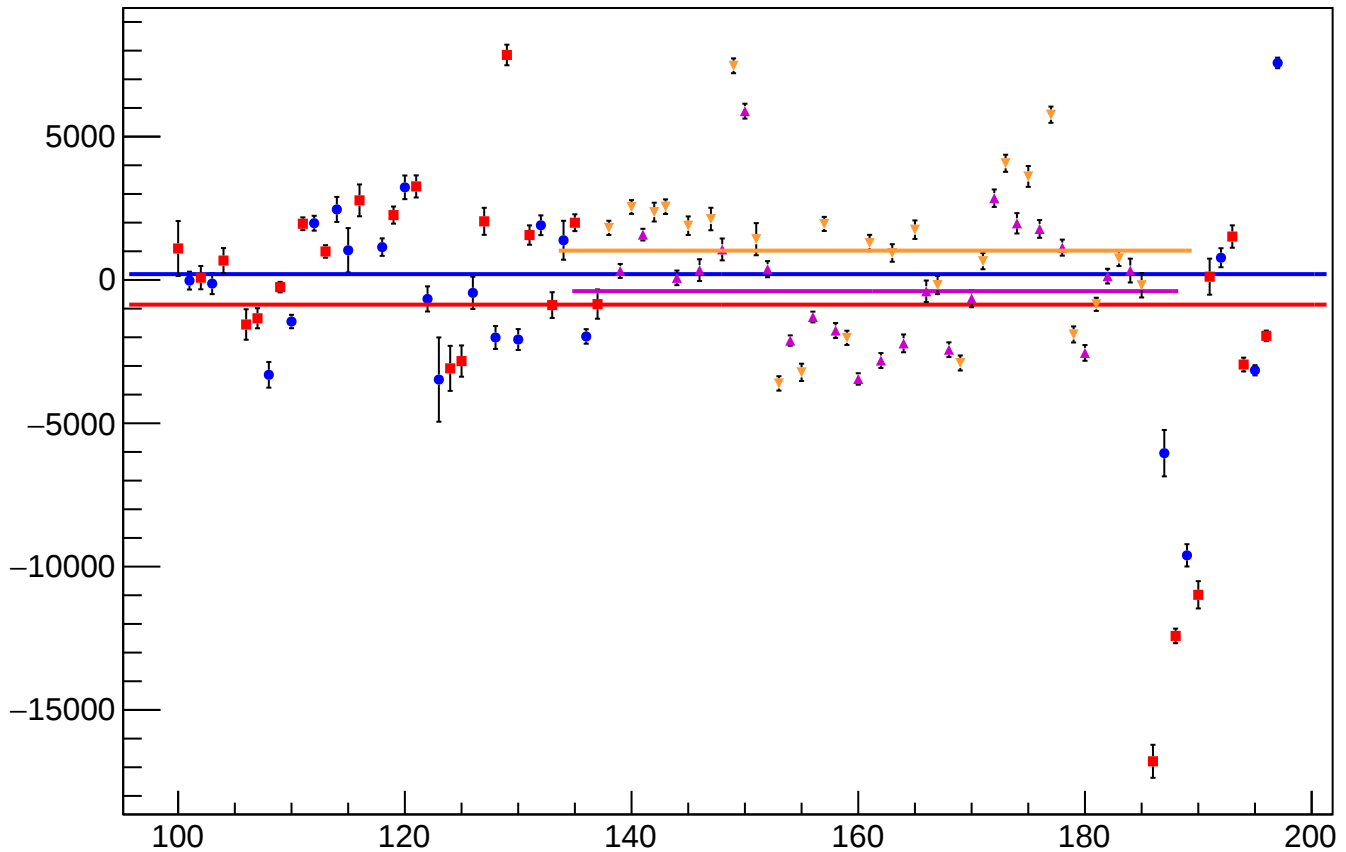
Left In: 348.611 ± 0.060 χ^2/NDF : 362511.2/22

+ sign 1.638 ± 0.001 χ^2/NDF : 53322448.4/46

All: 1.626 ± 0.001 χ^2/NDF : 106587751.0/95

- sign 1.615 ± 0.001 χ^2/NDF : 53265116.4/48

asym_bcm0l02_mean vs Slug



Right In: 203.052 $\pm$ 69.594 χ^2 /NDF: 3084.0/21

Left Out: 1023.439 $\pm$ 57.338 χ^2 /NDF: 2309.4/24

Right Out: -860.962 $\pm$ 64.296 χ^2 /NDF: 4768.4/25

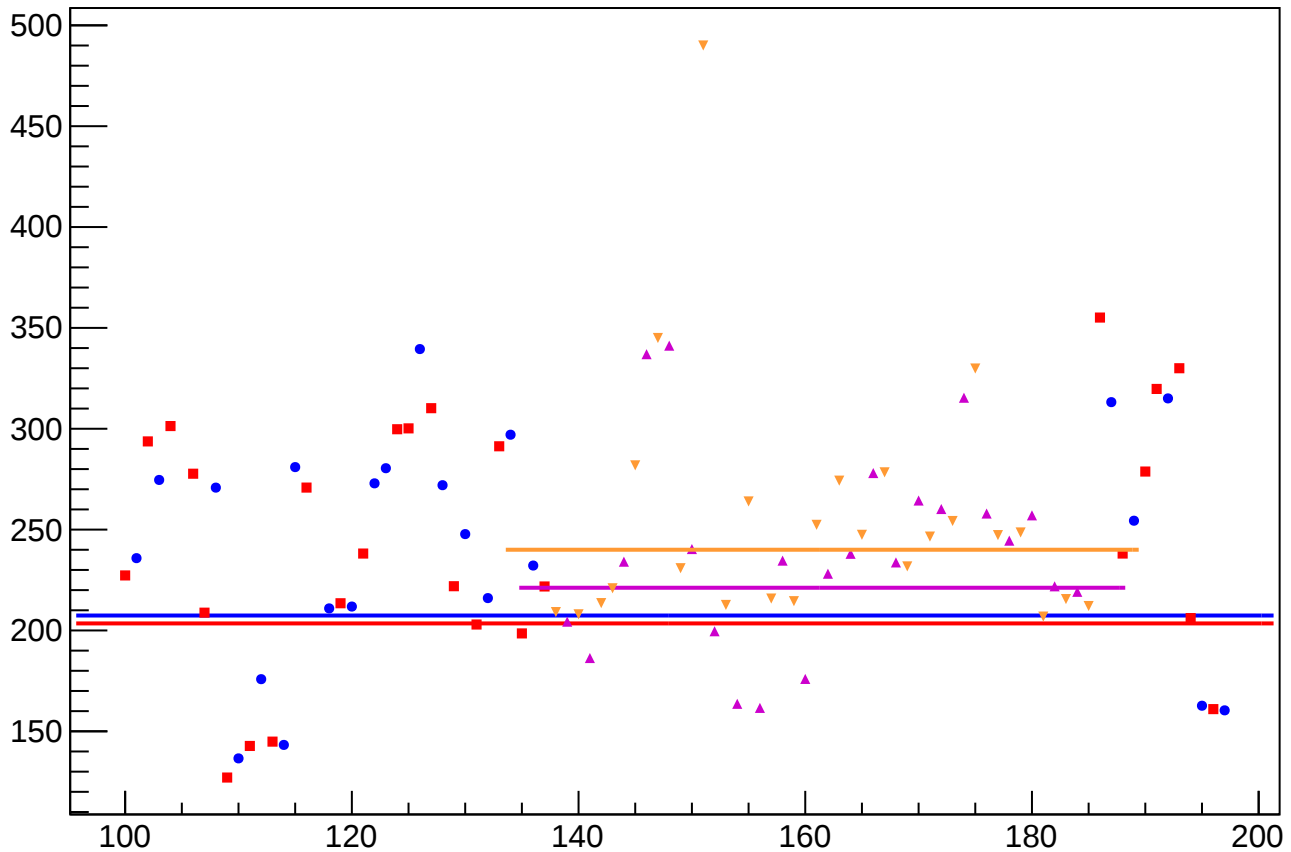
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF: 1584.9/22

+ sign 691.726 $\pm$ 44.253 χ^2 /NDF: 5476.1/46

All: 14.418 $\pm$ 30.374 χ^2 /NDF: 12303.3/95

- sign -588.854 $\pm$ 41.764 χ^2 /NDF: 6384.3/48

asym_bcm0l02_rms vs Slug



Right In: 207.406 $\pm$ 0.049 χ^2 /NDF: 1220860.8/21

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 203.487 $\pm$ 0.045 χ^2 /NDF: 1821045.0/25

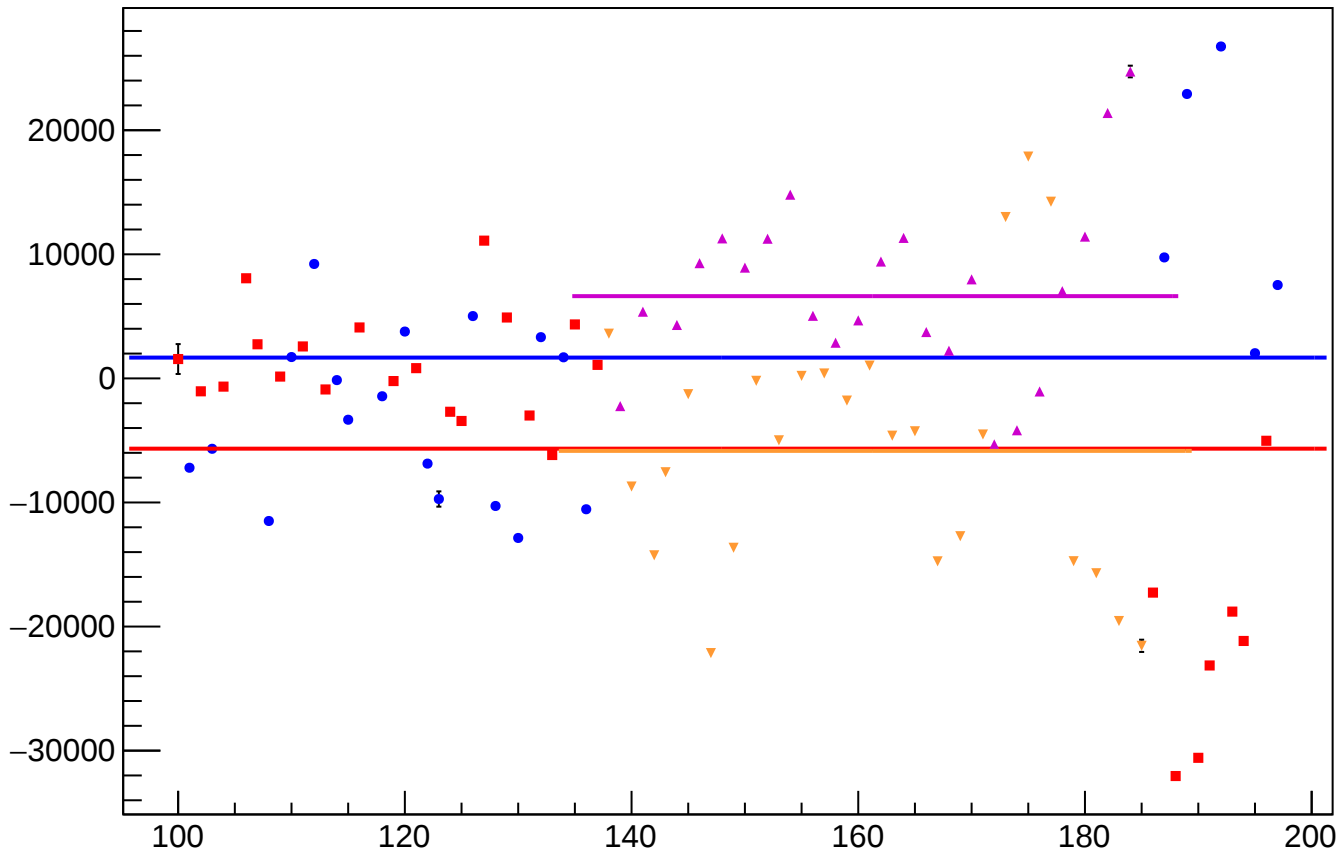
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 226.832 $\pm$ 0.031 χ^2 /NDF: 2484908.0/46

All: 219.892 $\pm$ 0.021 χ^2 /NDF: 5828949.5/95

- sign 213.711 $\pm$ 0.030 χ^2 /NDF: 3251034.7/48

asym_bpm2i01WS_mean vs Slug



Right In: 1676.735 ± 41.579 χ^2/NDF : 71256.2/21

Left Out: -5841.615 ± 35.848 χ^2/NDF : 63397.3/24

Right Out: -5663.286 ± 38.297 χ^2/NDF : 99806.6/25

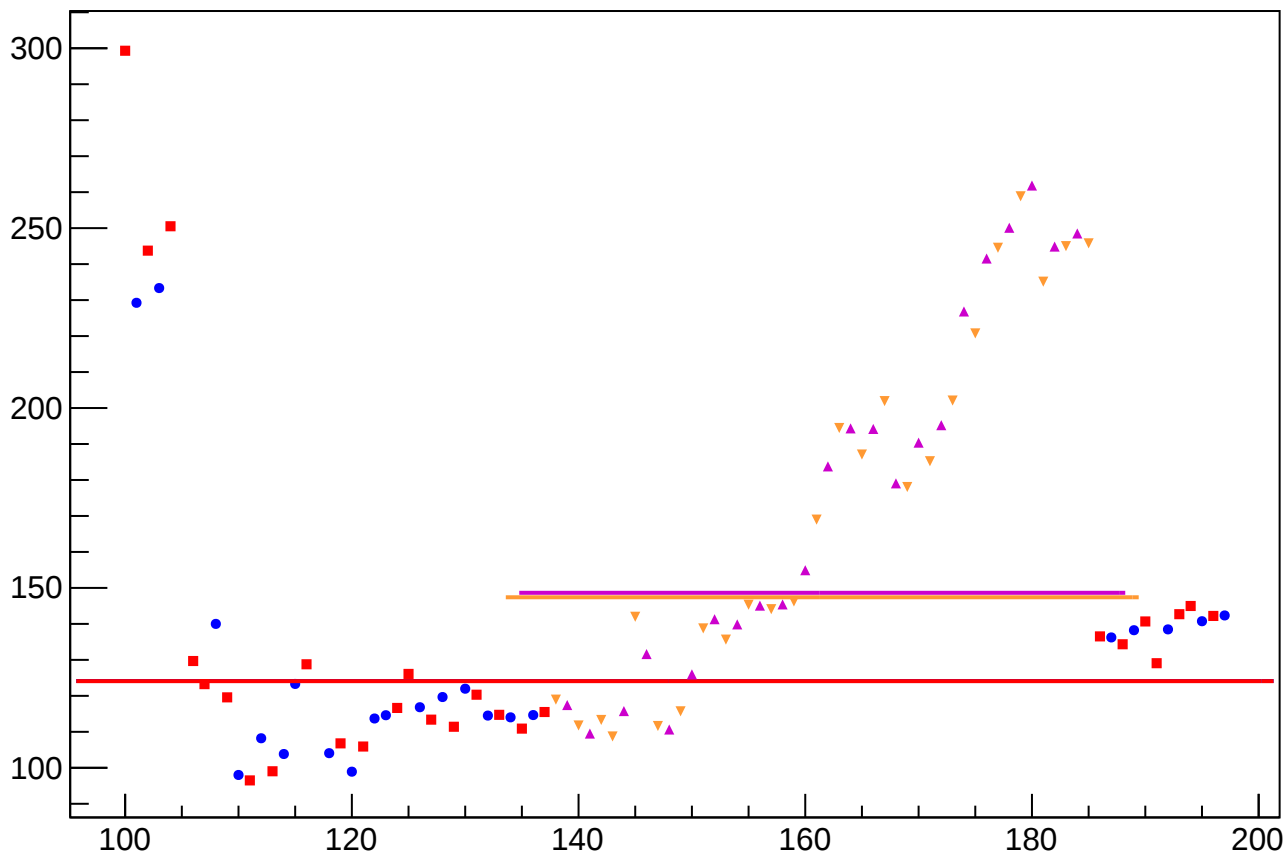
Left In: 6628.388 ± 37.160 χ^2/NDF : 21738.0/22

+ sign -2635.979 ± 27.150 χ^2/NDF : 153408.4/46

All: -954.577 ± 19.026 χ^2/NDF : 335546.5/95

- sign 667.760 ± 26.669 χ^2/NDF : 174602.3/48

asym_bpm2i01WS_rms vs Slug



Right In: 124.126+/-0.029 χ^2/NDF : 744506.7/21

Left Out: 147.396+/-0.025 χ^2/NDF : 2517097.1/24

Right Out: 124.088+/-0.027 χ^2/NDF : 849446.3/25

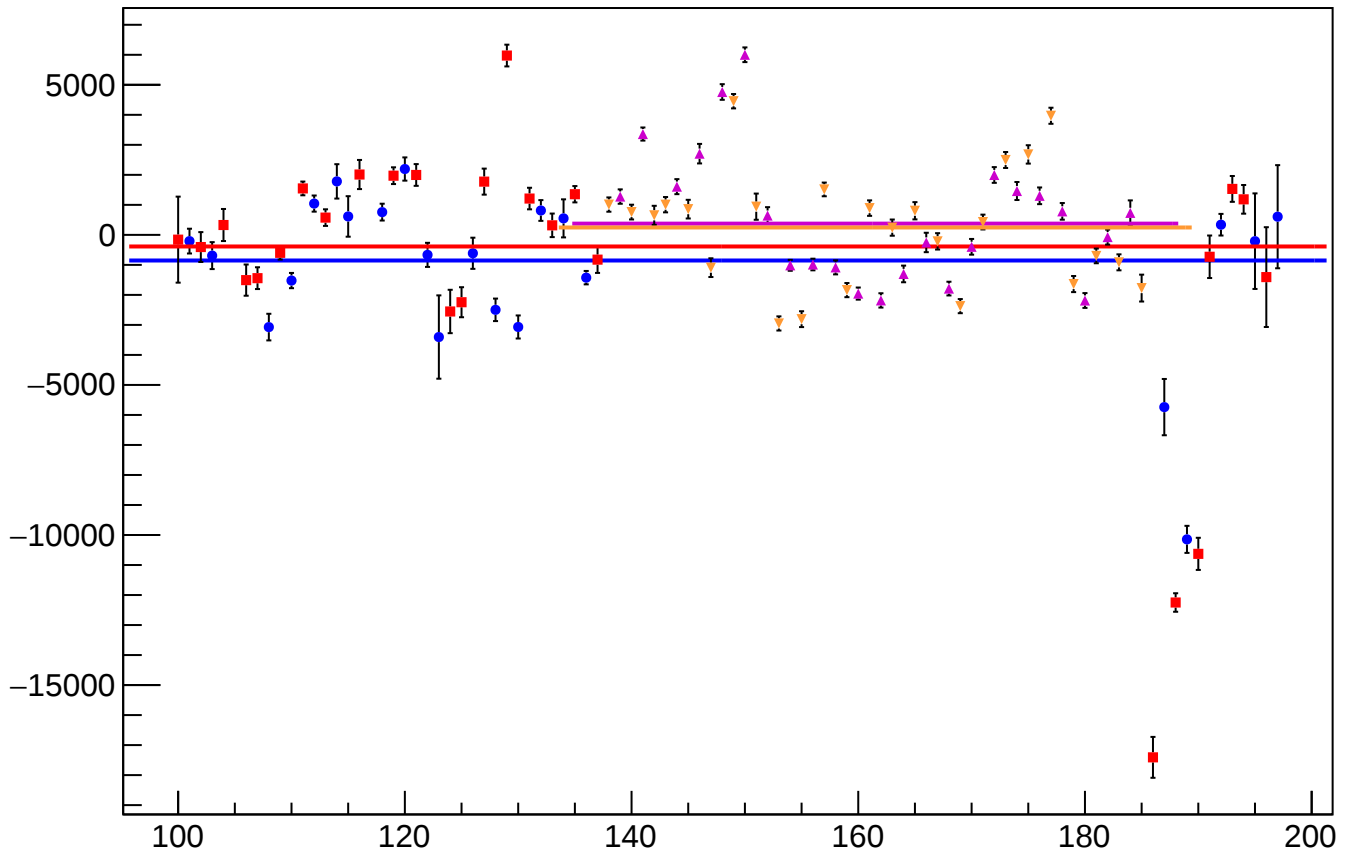
Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

+ sign 137.474+/-0.019 χ^2/NDF : 3620943.9/46

All: 137.098+/-0.013 χ^2/NDF : 7310127.7/95

- sign 136.735+/-0.019 χ^2/NDF : 3688429.2/48

asym_bpm0i07WS_mean vs Slug



Right In: -853.736 ± 84.634 χ^2/NDF : 760.3/21

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -386.606 ± 75.363 χ^2/NDF : 3160.5/25

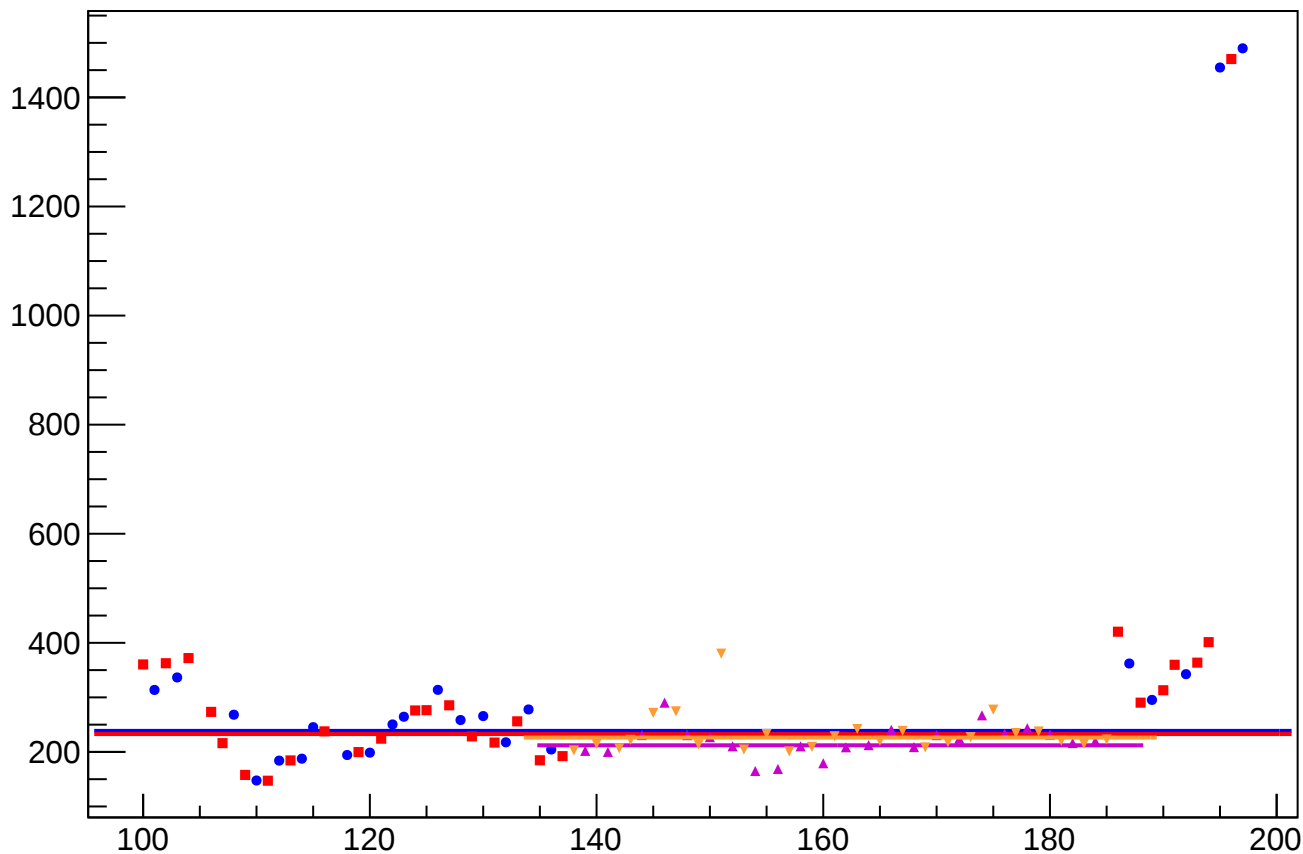
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -67.826 ± 45.217 χ^2/NDF : 2235.8/46

All: 36.485 ± 31.061 χ^2/NDF : 7273.8/95

- sign 129.680 ± 42.740 χ^2/NDF : 5027.9/48

asym_bpm0i07WS_rms vs Slug



Right In: 238.566 $\pm$ 0.060 χ^2 /NDF: 3179718.3/21

Left Out: 226.376 $\pm$ 0.038 χ^2 /NDF: 521770.1/24

Right Out: 232.710 $\pm$ 0.053 χ^2 /NDF: 2912878.7/25

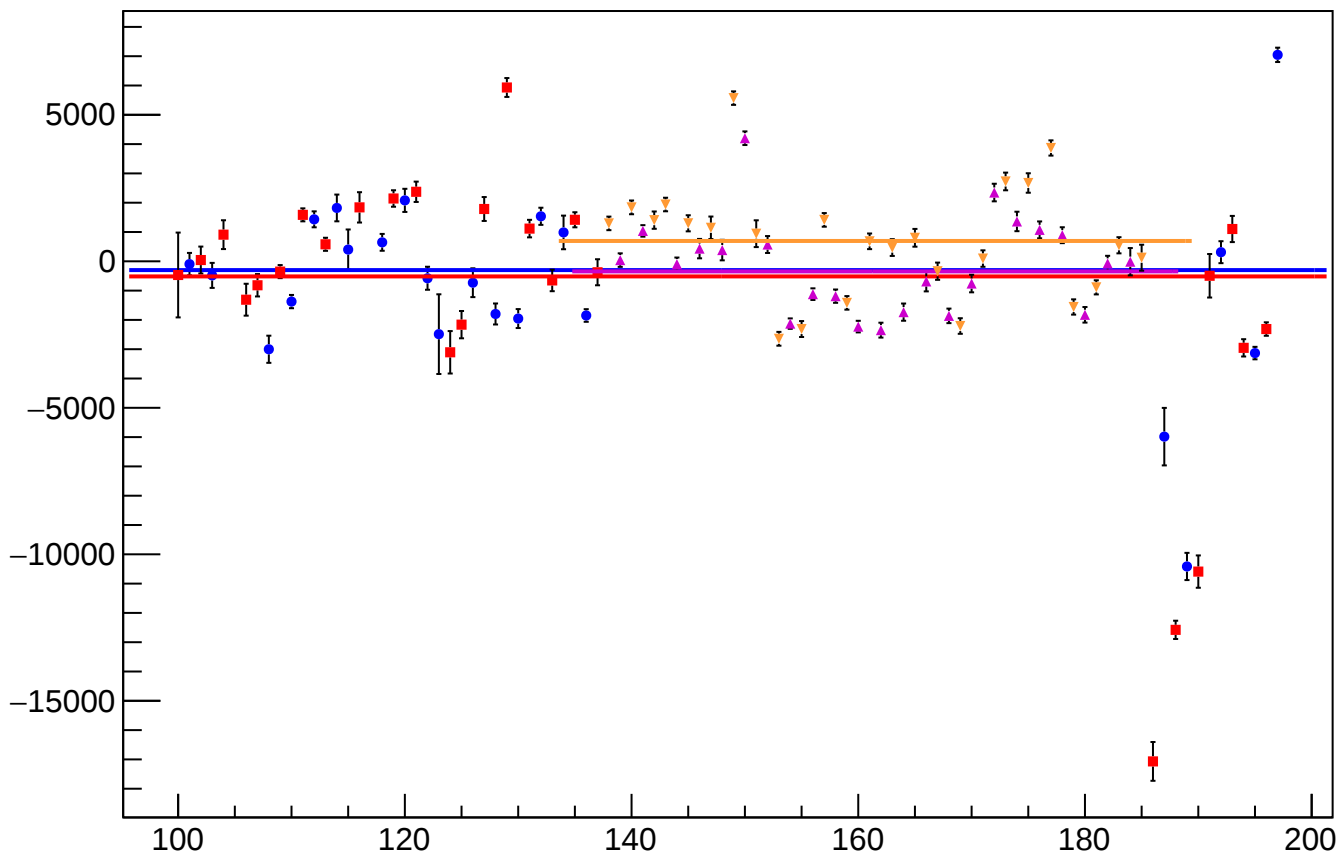
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 229.855 $\pm$ 0.032 χ^2 /NDF: 3731138.4/46

All: 223.995 $\pm$ 0.022 χ^2 /NDF: 7400352.6/95

- sign 218.759 $\pm$ 0.030 χ^2 /NDF: 3605609.2/48

asym_bpm0l01WS_mean vs Slug



Right In: -299.855 ± 72.233 χ^2/NDF : 1897.9/21

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: -515.790 ± 67.609 χ^2/NDF : 3449.1/25

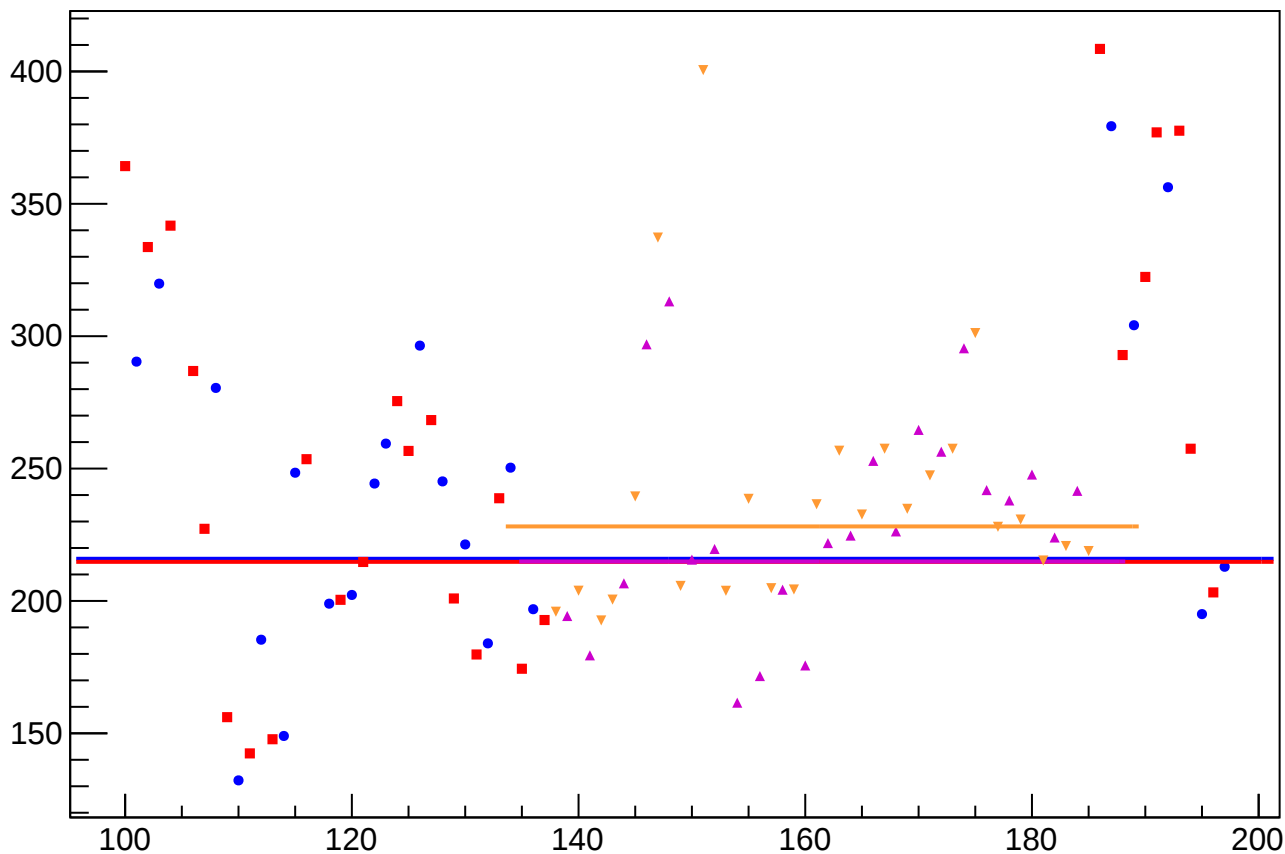
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 335.815 ± 43.377 χ^2/NDF : 3441.1/46

All: -51.714 ± 30.057 χ^2/NDF : 8032.8/95

- sign -409.675 ± 41.689 χ^2/NDF : 4438.1/48

asym_bpm0l01WS_rms vs Slug



Right In: 215.923+/-0.051 χ^2/NDF : 1142736.8/21

Left Out: 228.144+/-0.038 χ^2/NDF : 828399.3/24

Right Out: 214.772+/-0.048 χ^2/NDF : 1813286.9/25

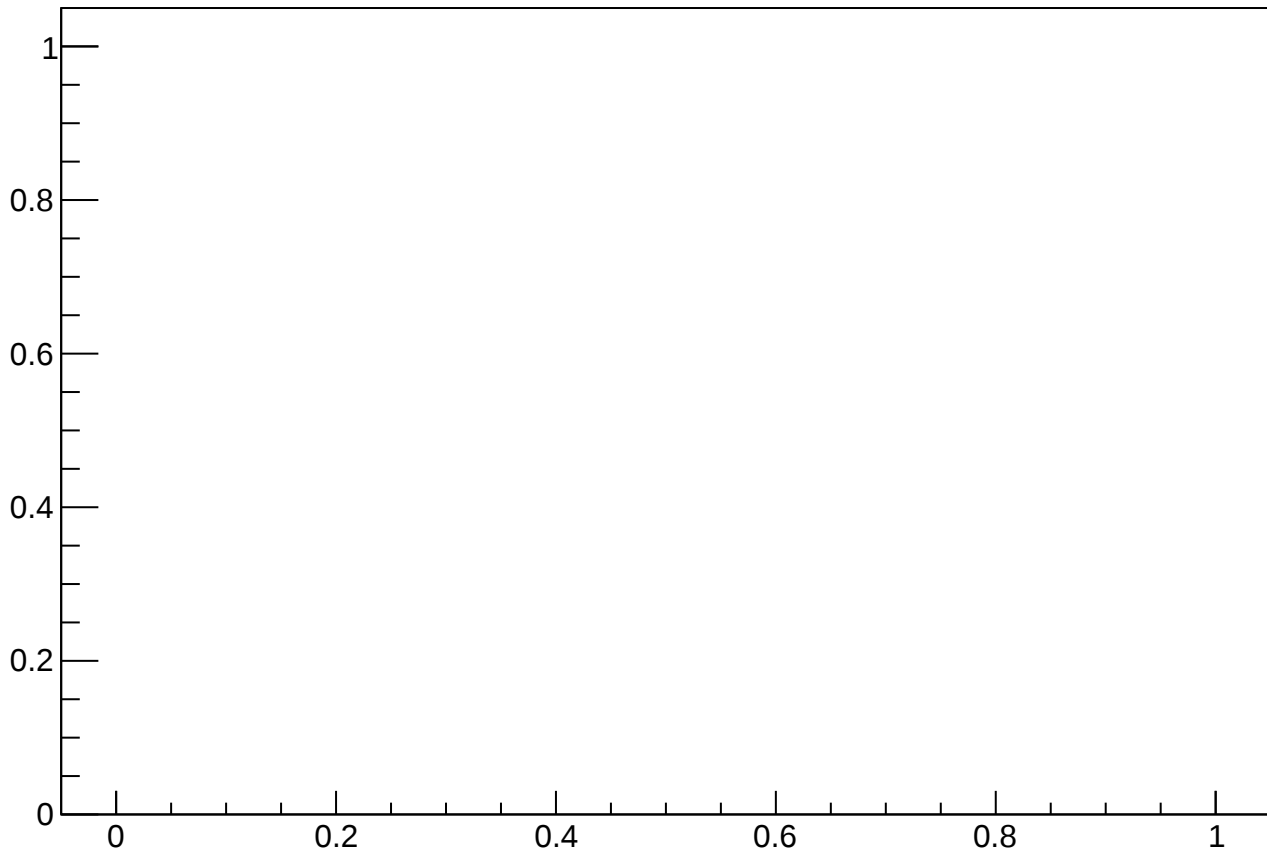
Left In: 214.878+/-0.037 χ^2/NDF : 1037509.6/22

+ sign 223.737+/-0.031 χ^2/NDF : 2007738.6/46

All: 219.111+/-0.021 χ^2/NDF : 4902298.8/95

- sign 214.838+/-0.029 χ^2/NDF : 2850799.6/48

bcm_an_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

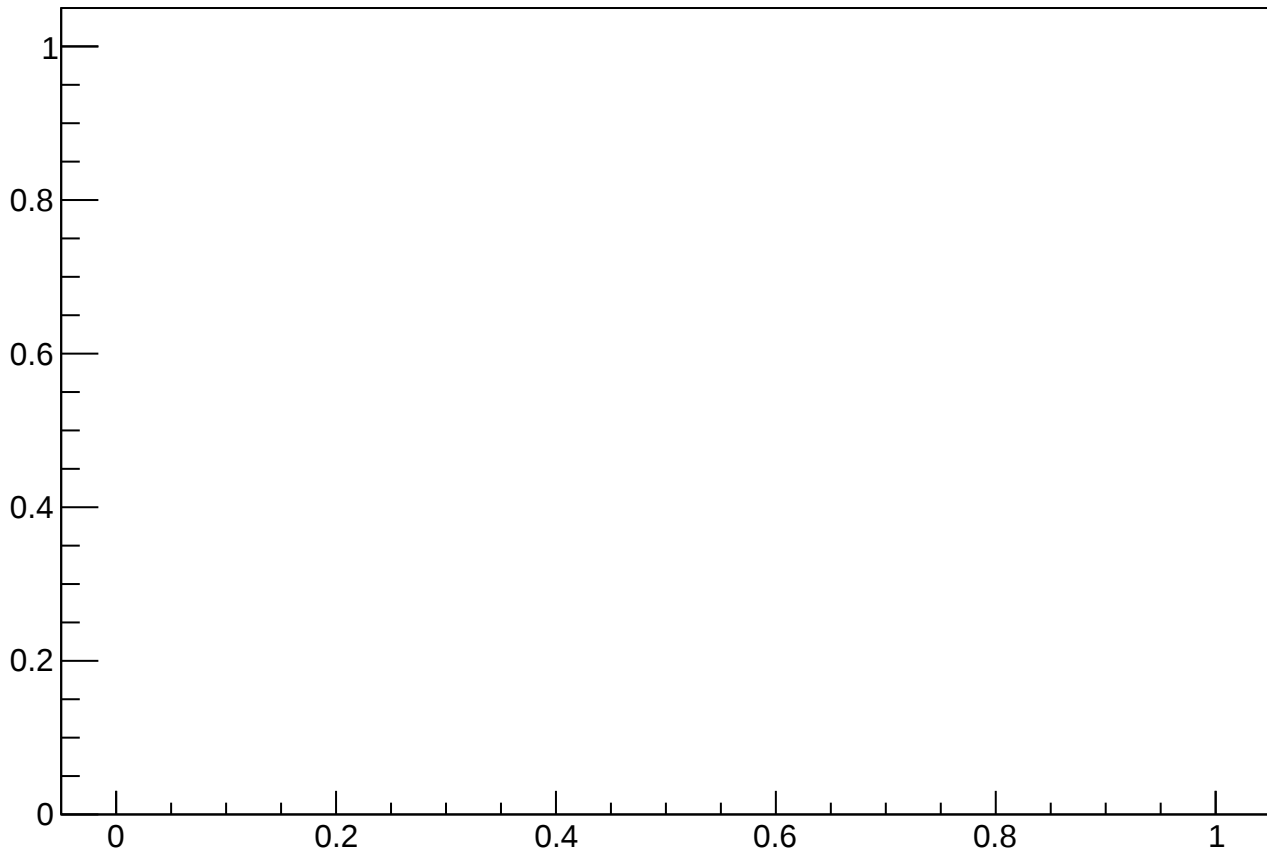
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_an_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

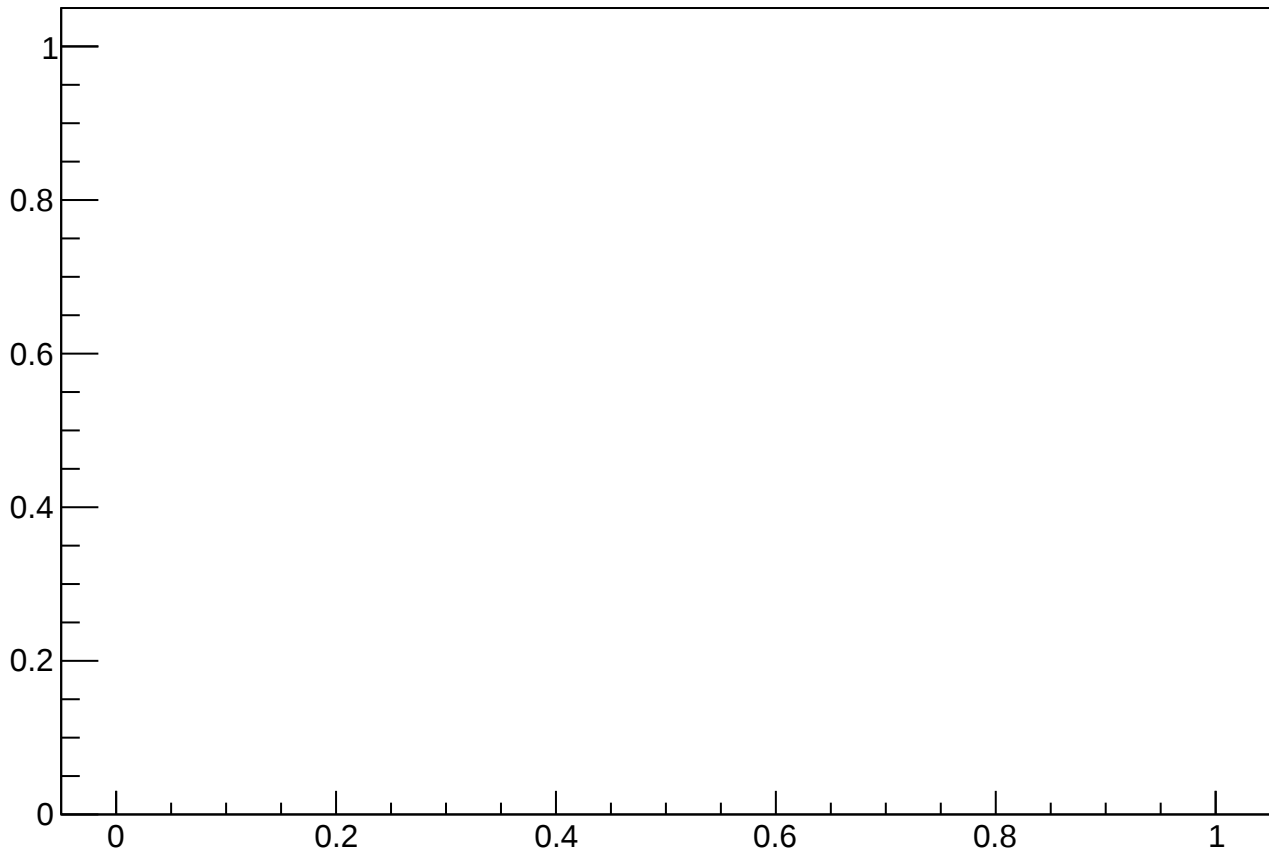
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

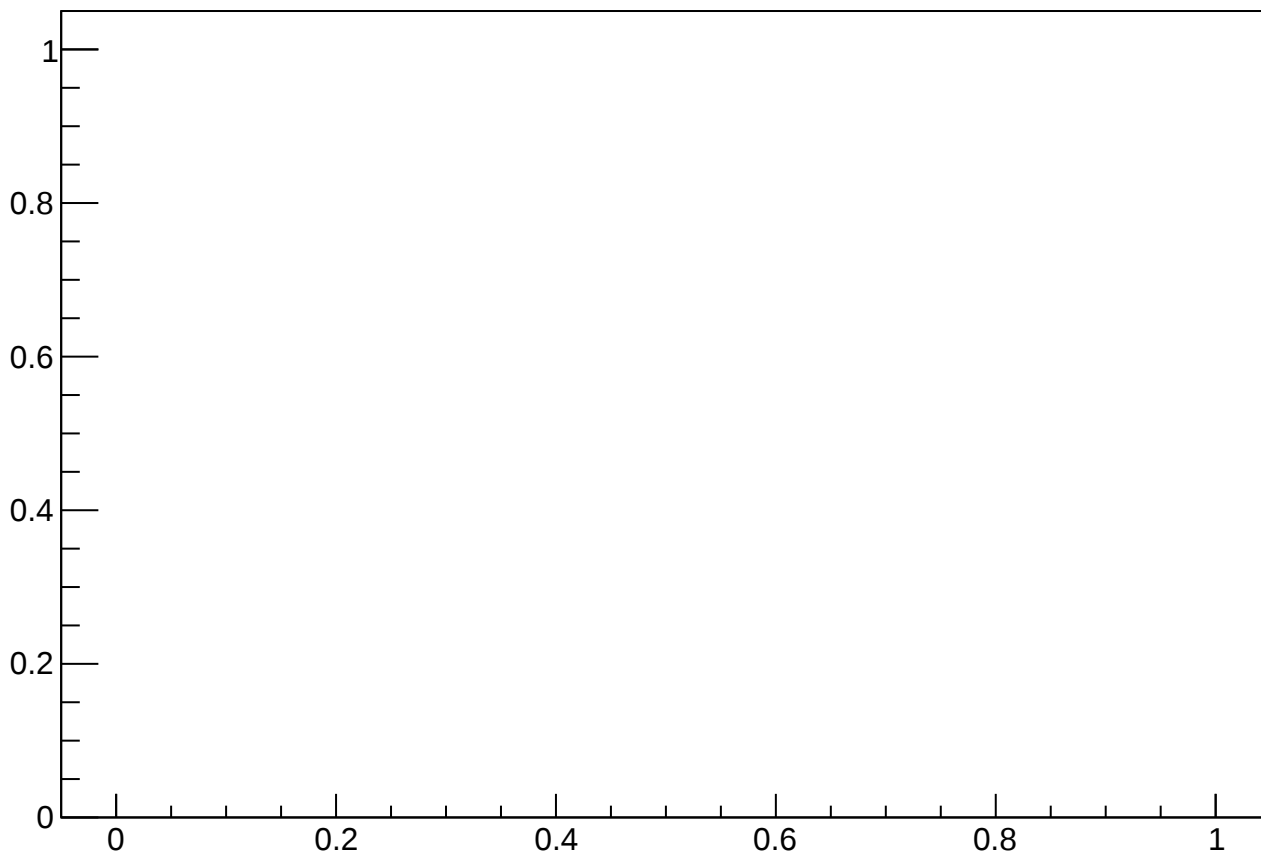
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

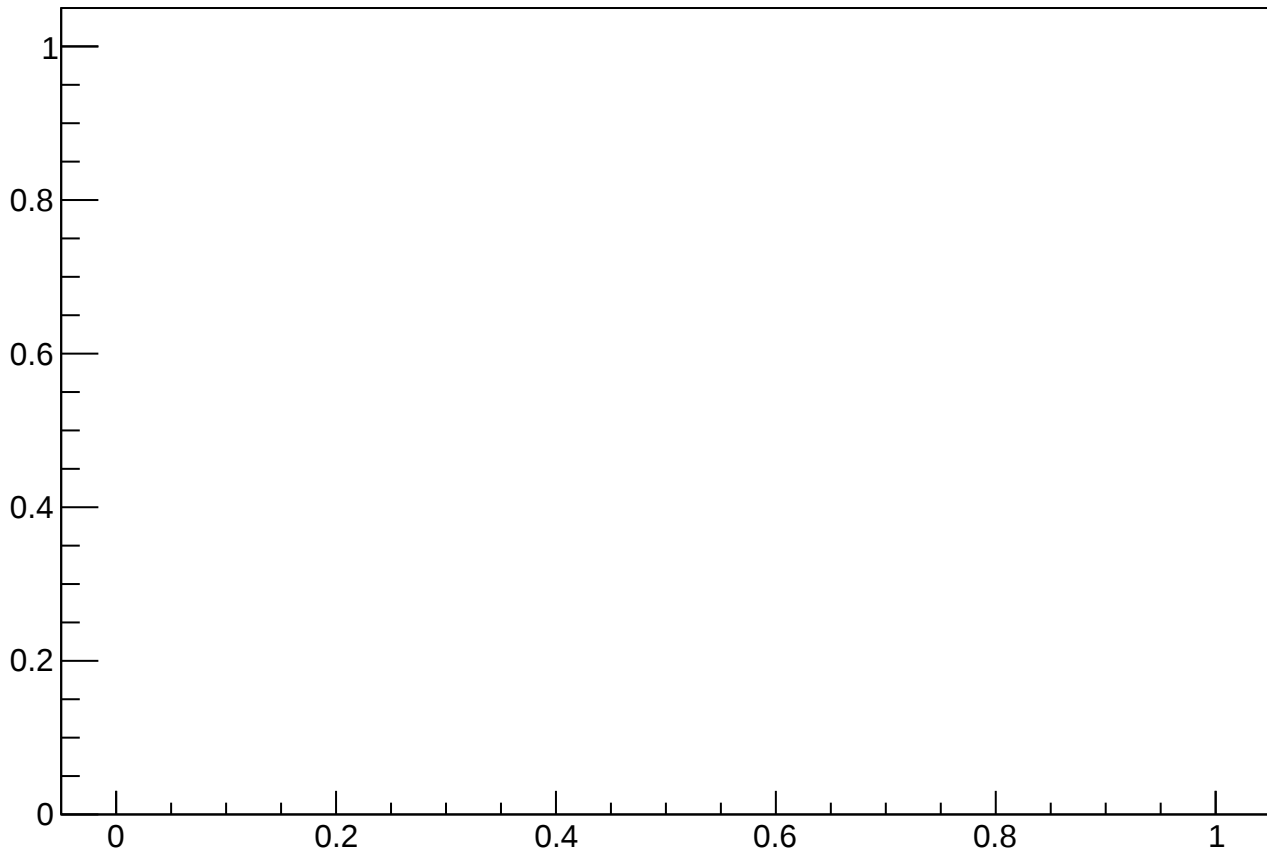
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

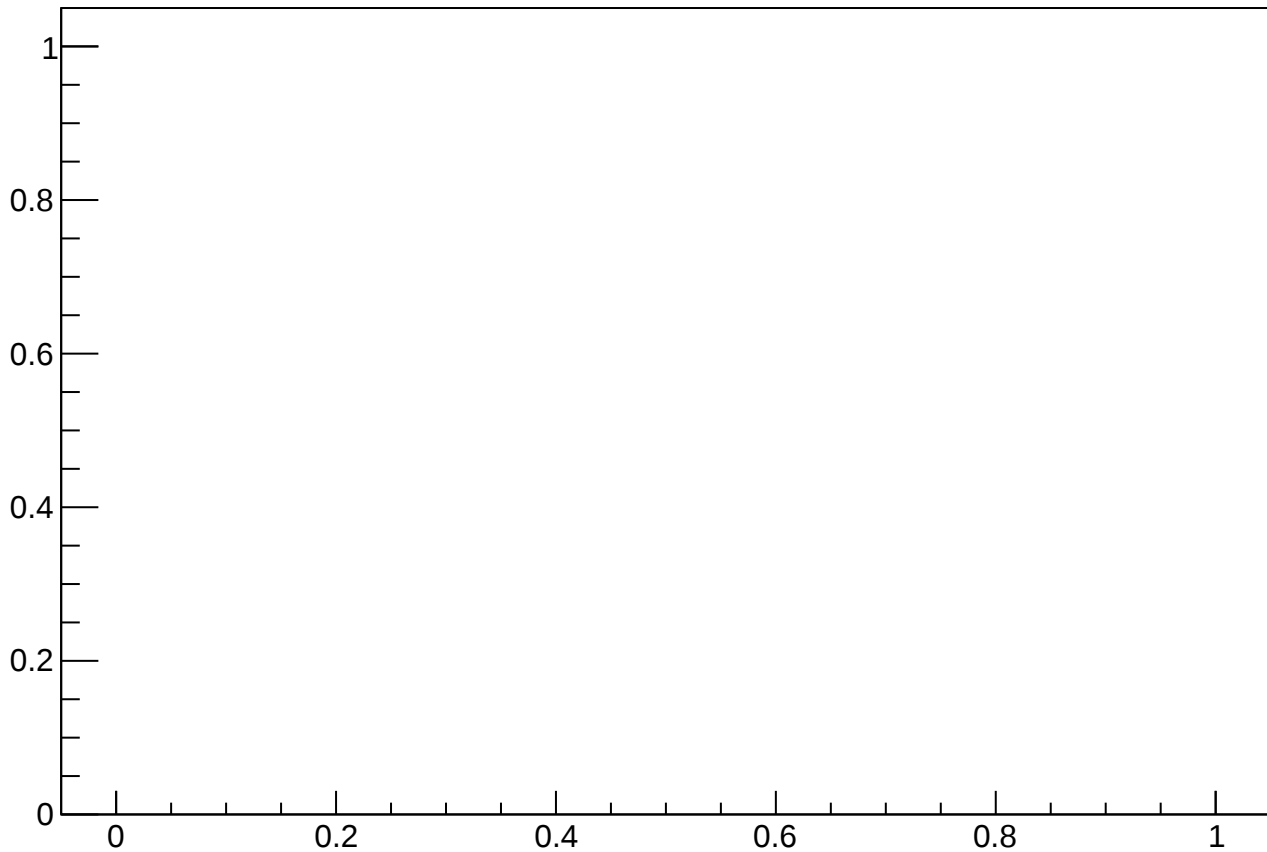
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

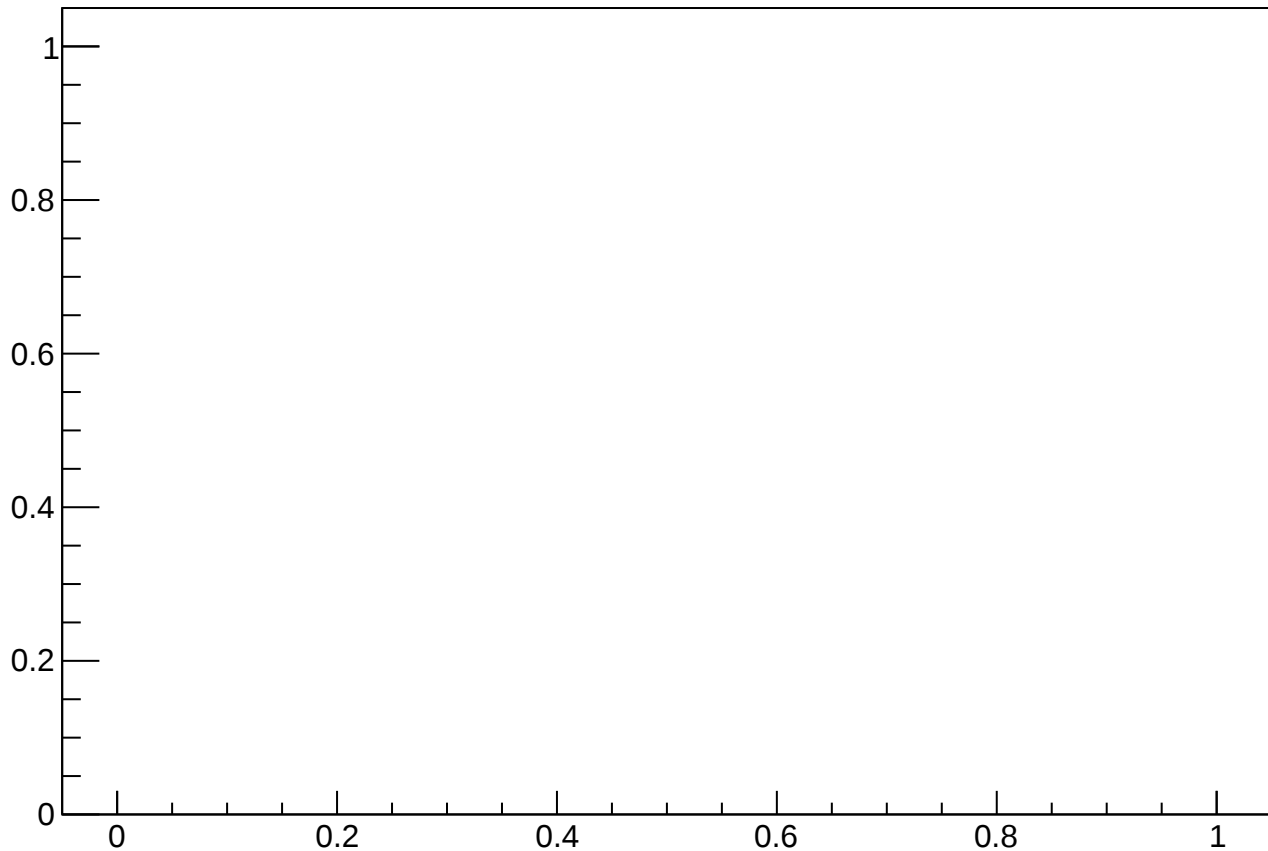
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

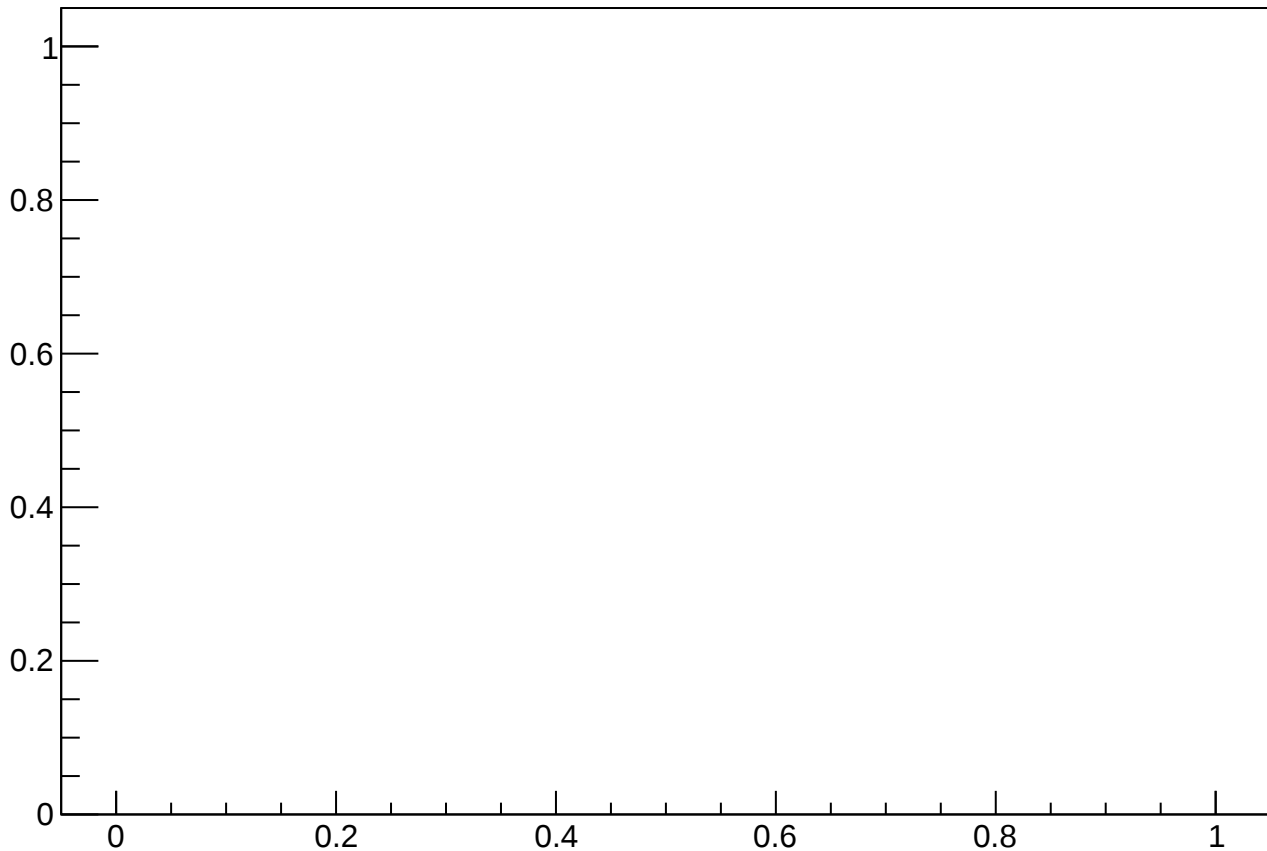
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

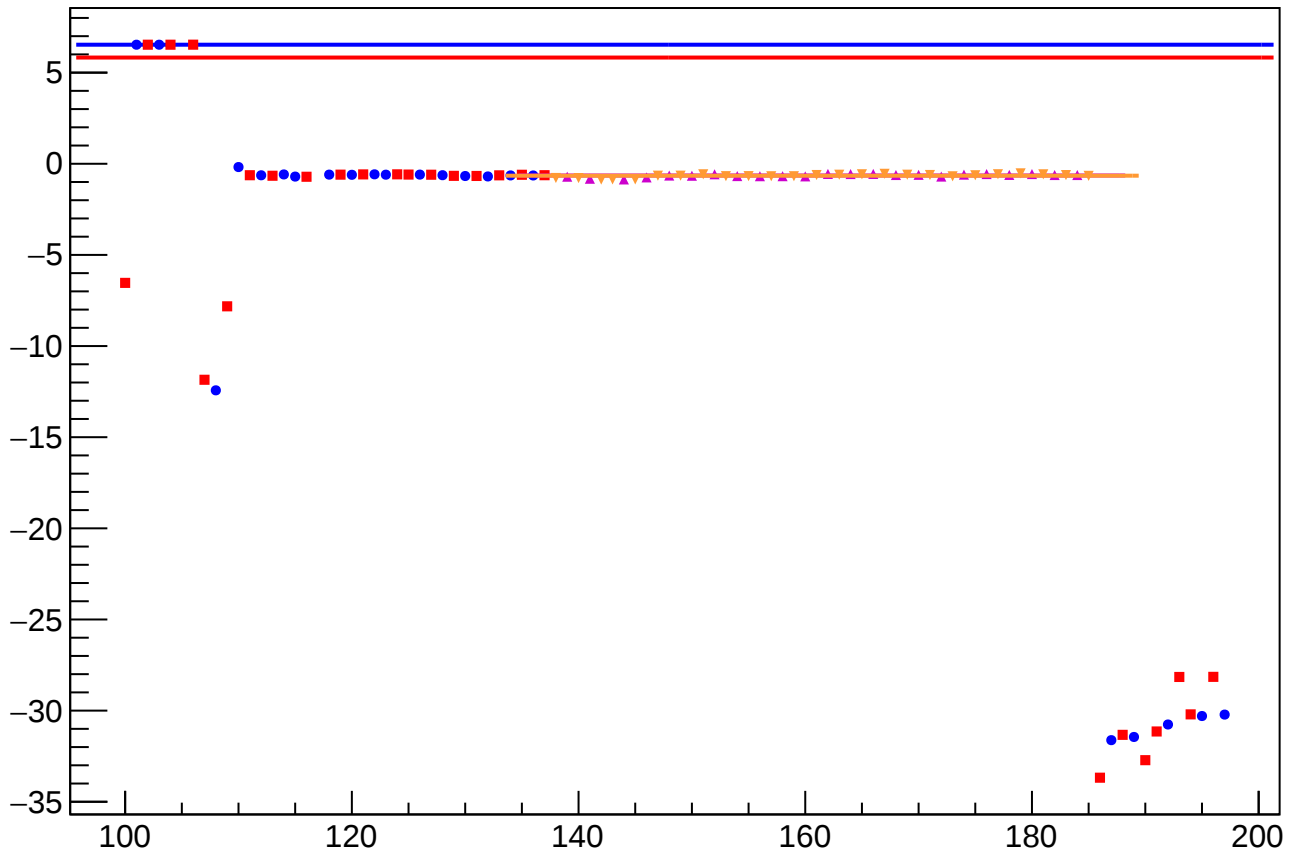
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127804653317.5/21

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755962209881674.5/25

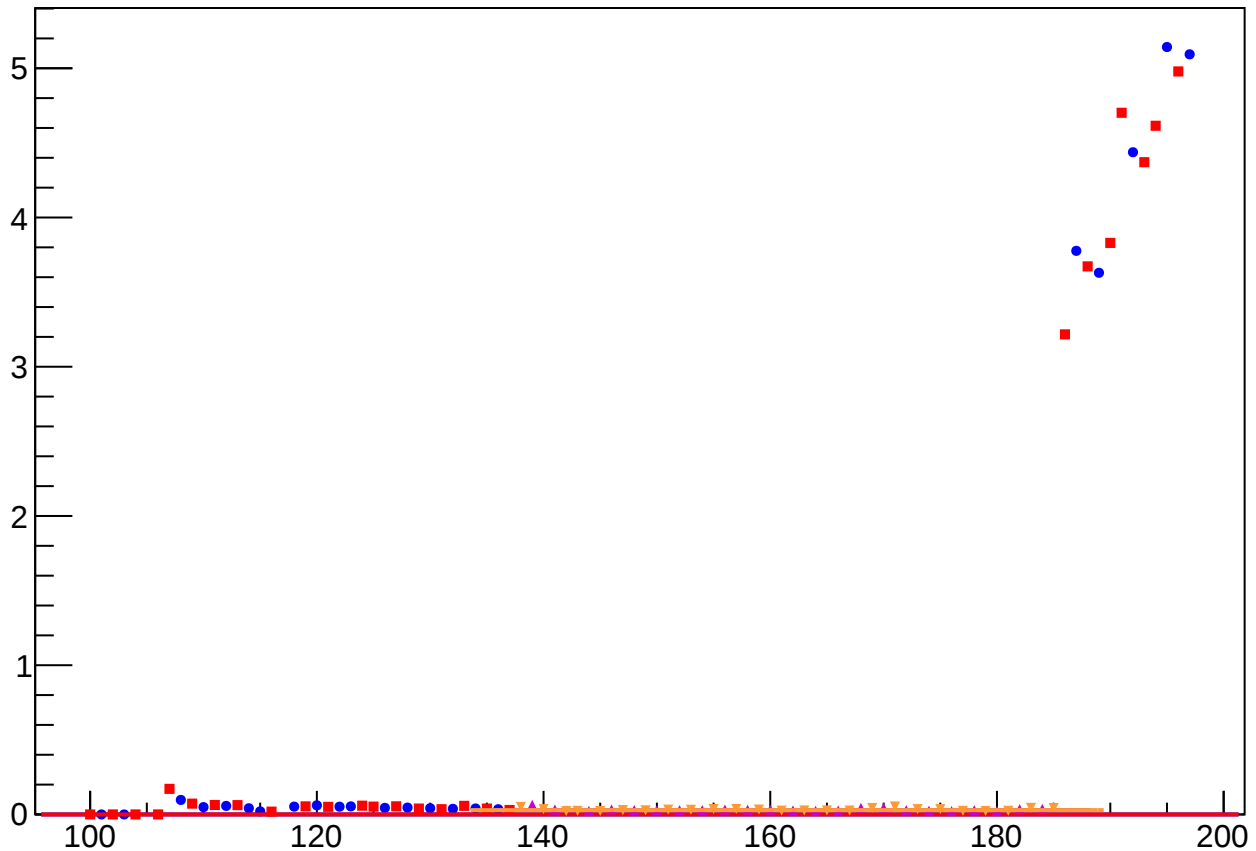
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001644160329.3/46

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762741089197

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756640673022396.6/25

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14849261.4/21

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 17504045.1/25

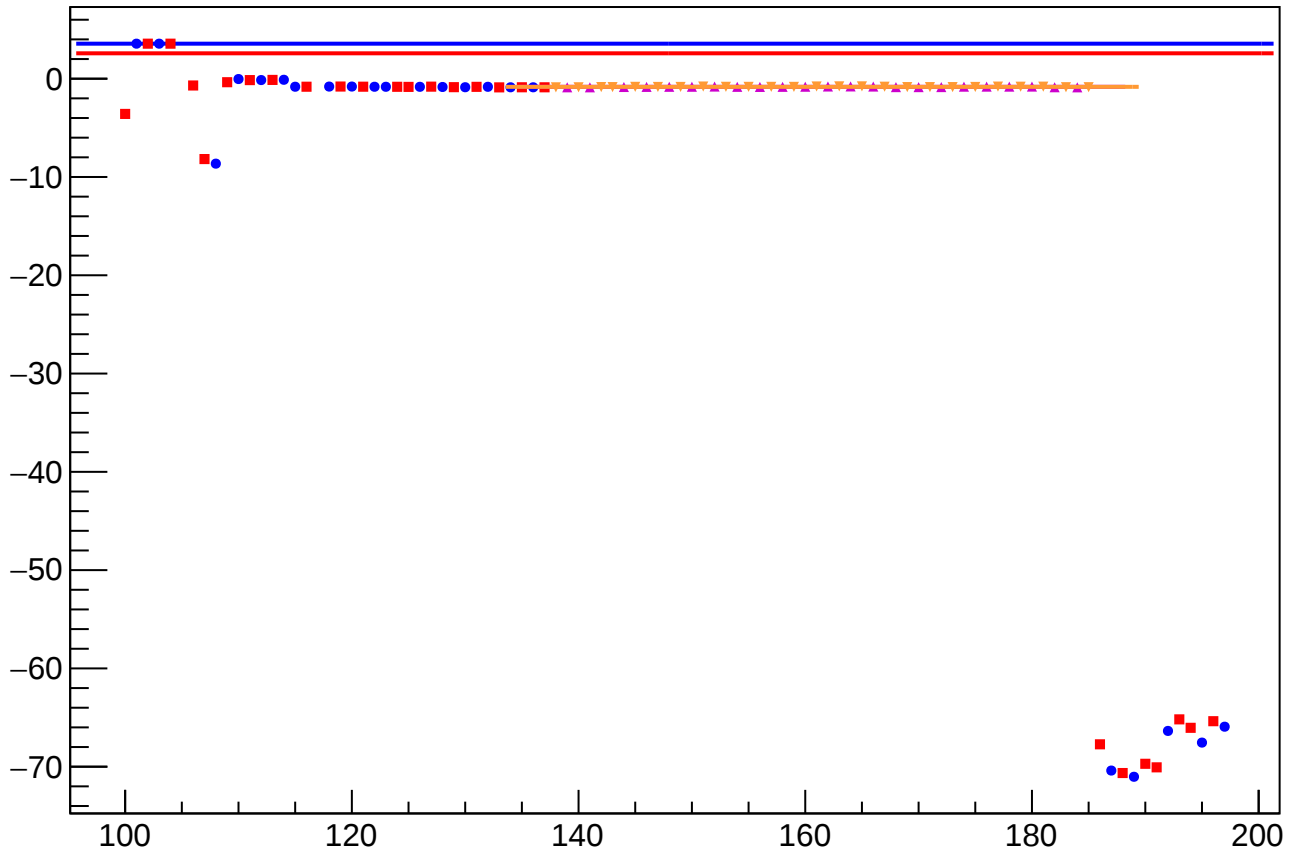
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 44813025.3/46

All: 0.000+/-0.000 χ^2/NDF : 90499584.7/95

- sign 0.000+/-0.000 χ^2/NDF : 45685891.4/48

yield_cav4bY_mean vs Slug



Right In: 3.563 $\pm$ 0.000 χ^2 /NDF: 491500868358.9/21

Left Out: -0.827 $\pm$ 0.000 χ^2 /NDF: 170052639.9/24

Right Out: 2.583 $\pm$ 0.000 χ^2 /NDF: 1253516857880364.0/25

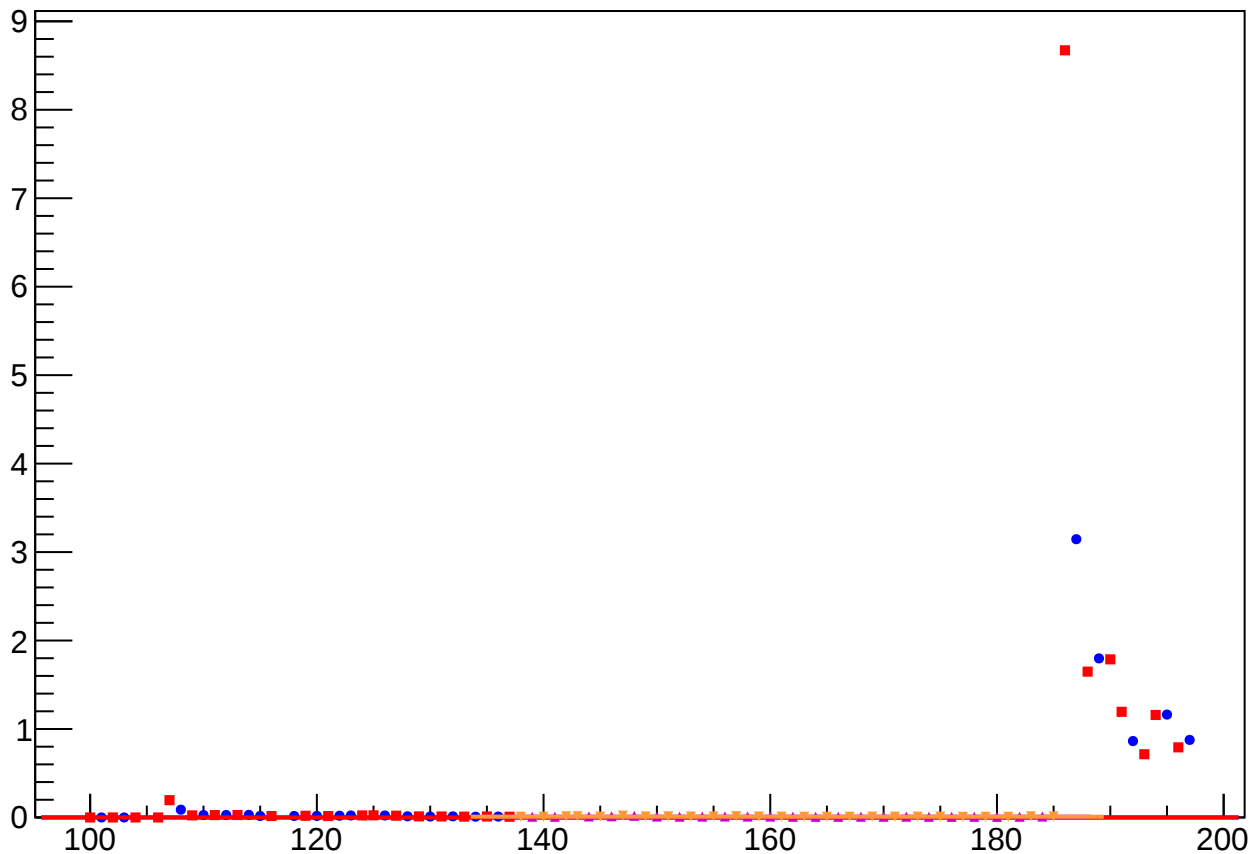
Left In: -0.827 $\pm$ 0.000 χ^2 /NDF: 174130375.4/22

+ sign 3.560 $\pm$ 0.000 χ^2 /NDF: 4187948953978.7/46

All: 3.038 $\pm$ 0.000 χ^2 /NDF: 1388004061522.3

- sign 2.581 $\pm$ 0.000 χ^2 /NDF: 1255737952150929.5

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14604806.5/21

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 16990618.9/25

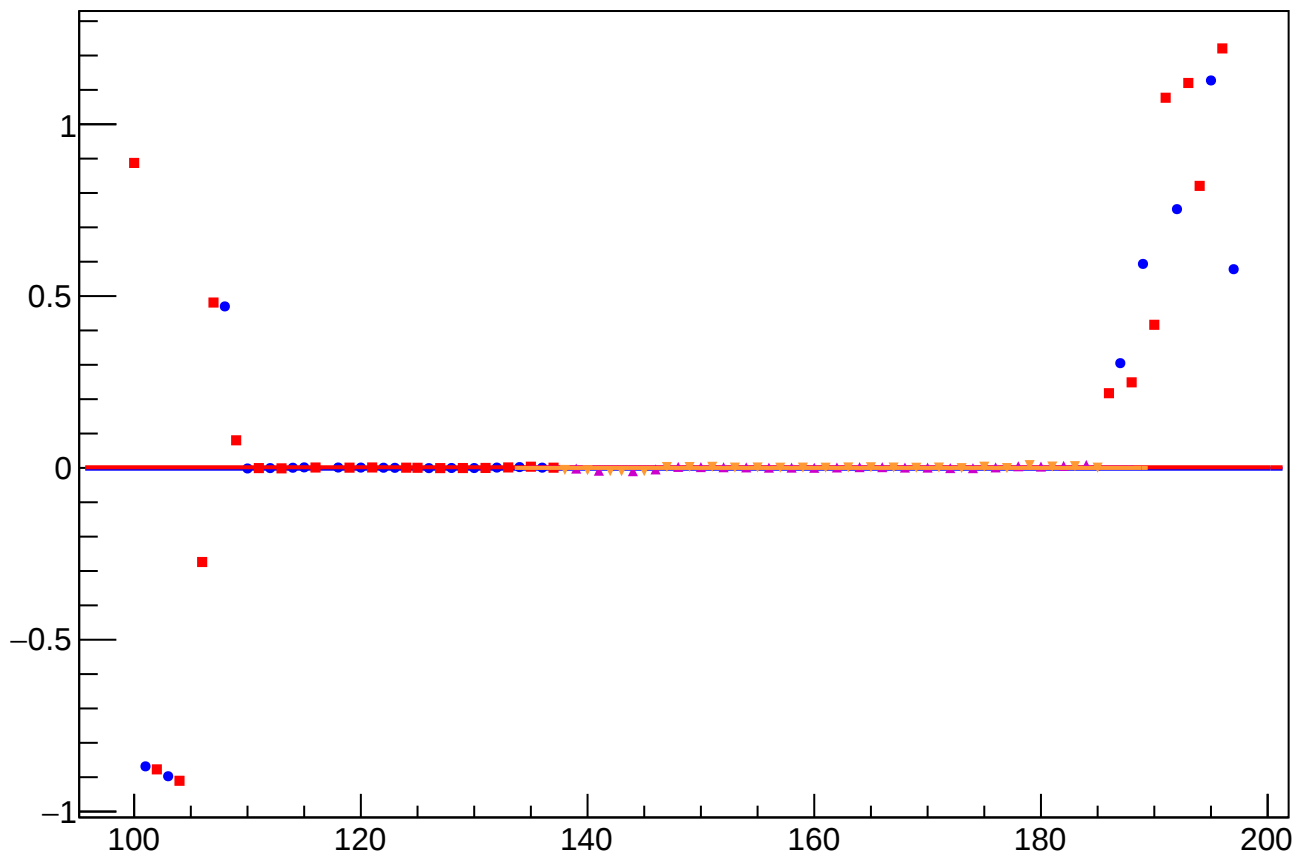
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 46113200.8/46

All: 0.000+/-0.000 χ^2/NDF : 92911553.3/95

- sign 0.000+/-0.000 χ^2/NDF : 46797275.3/48

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9795517234.9/21

Left Out: -0.000 ± 0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3042317036.4/25

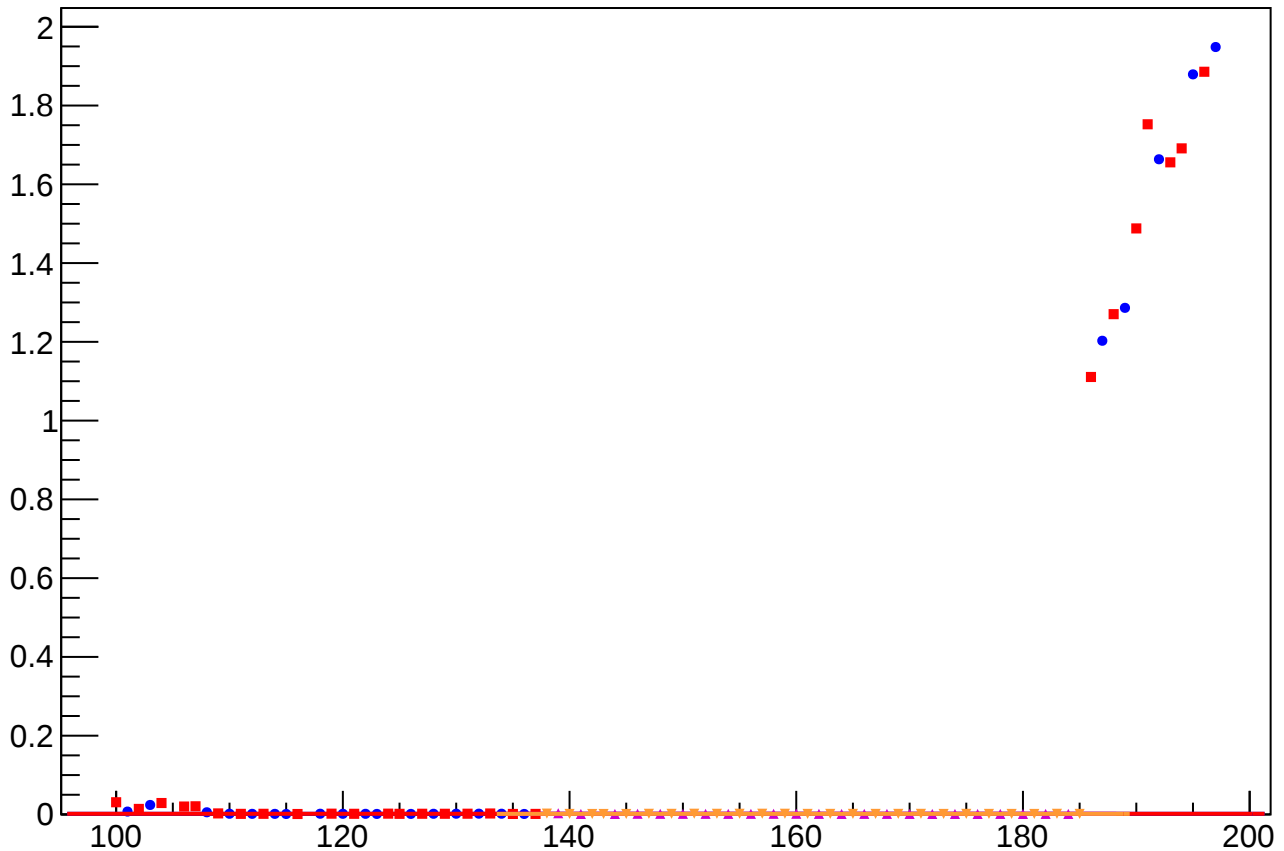
Left In: 0.001 ± 0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9954039216.5/46

All: 0.000 ± 0.000 χ^2/NDF : 13107352453.0/9

- sign 0.001 ± 0.000 χ^2/NDF : 3145761912.3/48

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 7885385.7/21

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:539040.4/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 11179322.2/25

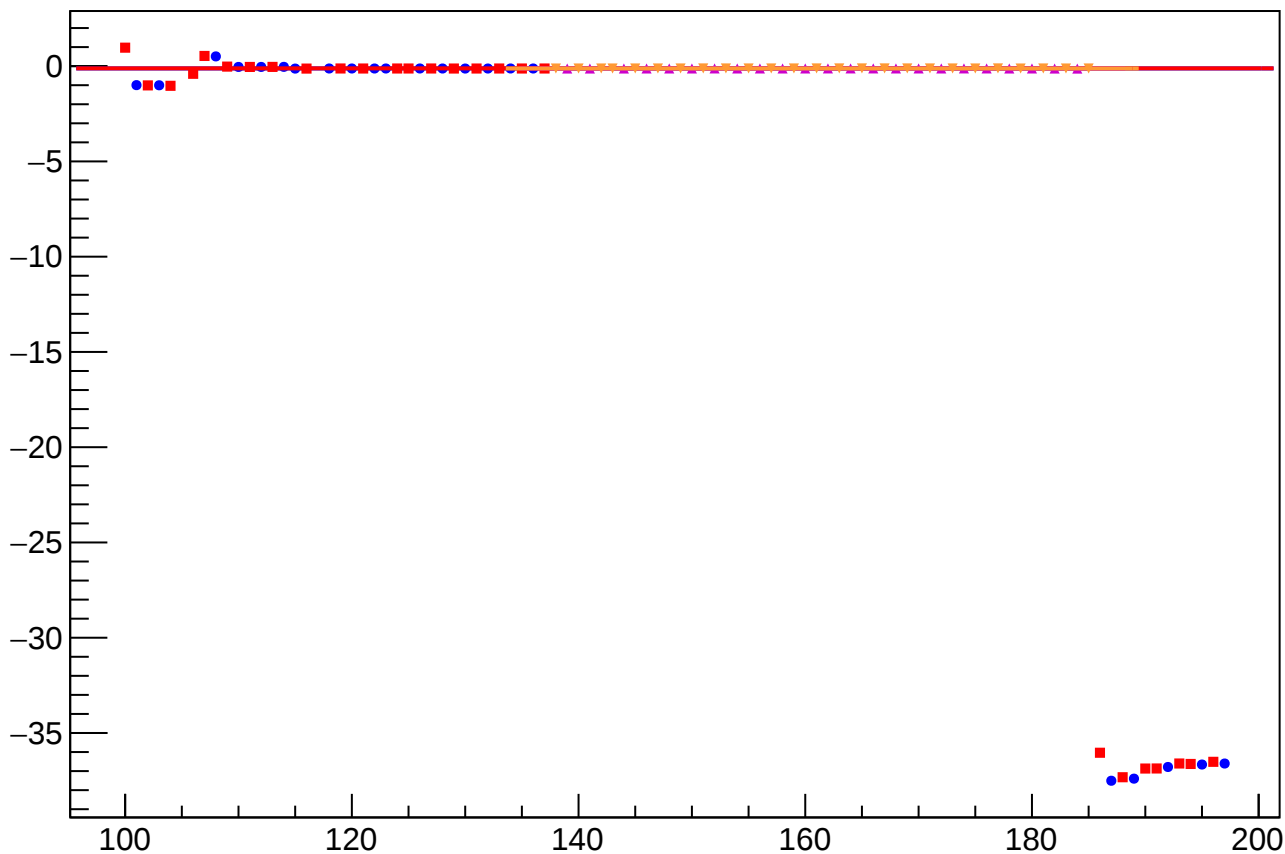
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:659543.3/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 8494702.5/46

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 20450631.0/95

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 11948023.9/48

yield_cav4cY_mean vs Slug



Right In: -0.121+/-0.000 χ^2/NDF : 29207211365.9/21

Left Out: -0.121+/-0.000 χ^2/NDF : 58329026.8/24

Right Out: -0.116+/-0.000 χ^2/NDF : 36885431058.2/25

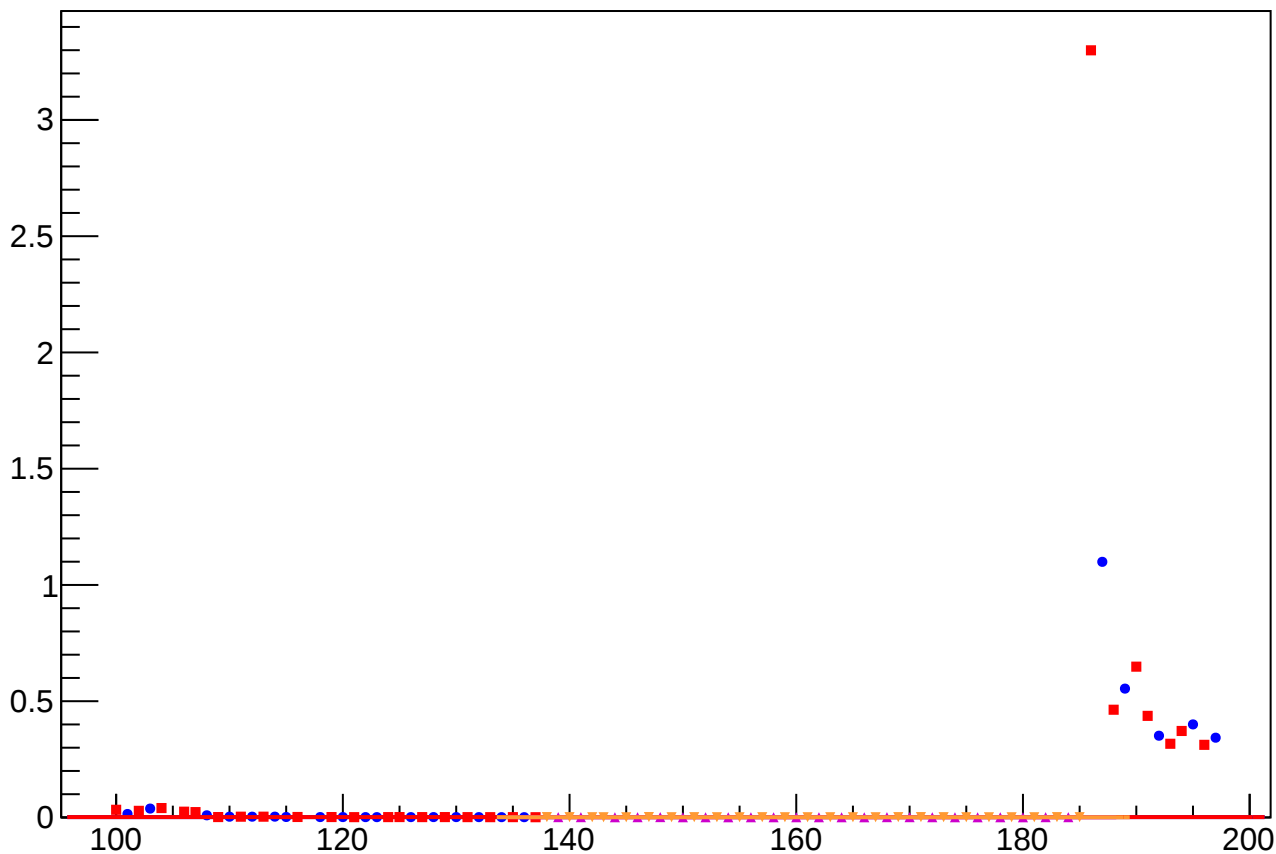
Left In: -0.121+/-0.000 χ^2/NDF : 53134323.3/22

+ sign -0.121+/-0.000 χ^2/NDF : 29265815591.9/46

All: -0.121+/-0.000 χ^2/NDF : 66251175719.9/47

- sign -0.120+/-0.000 χ^2/NDF : 36981454516.3/48

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 8522395.9/21

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 11336174.9/25

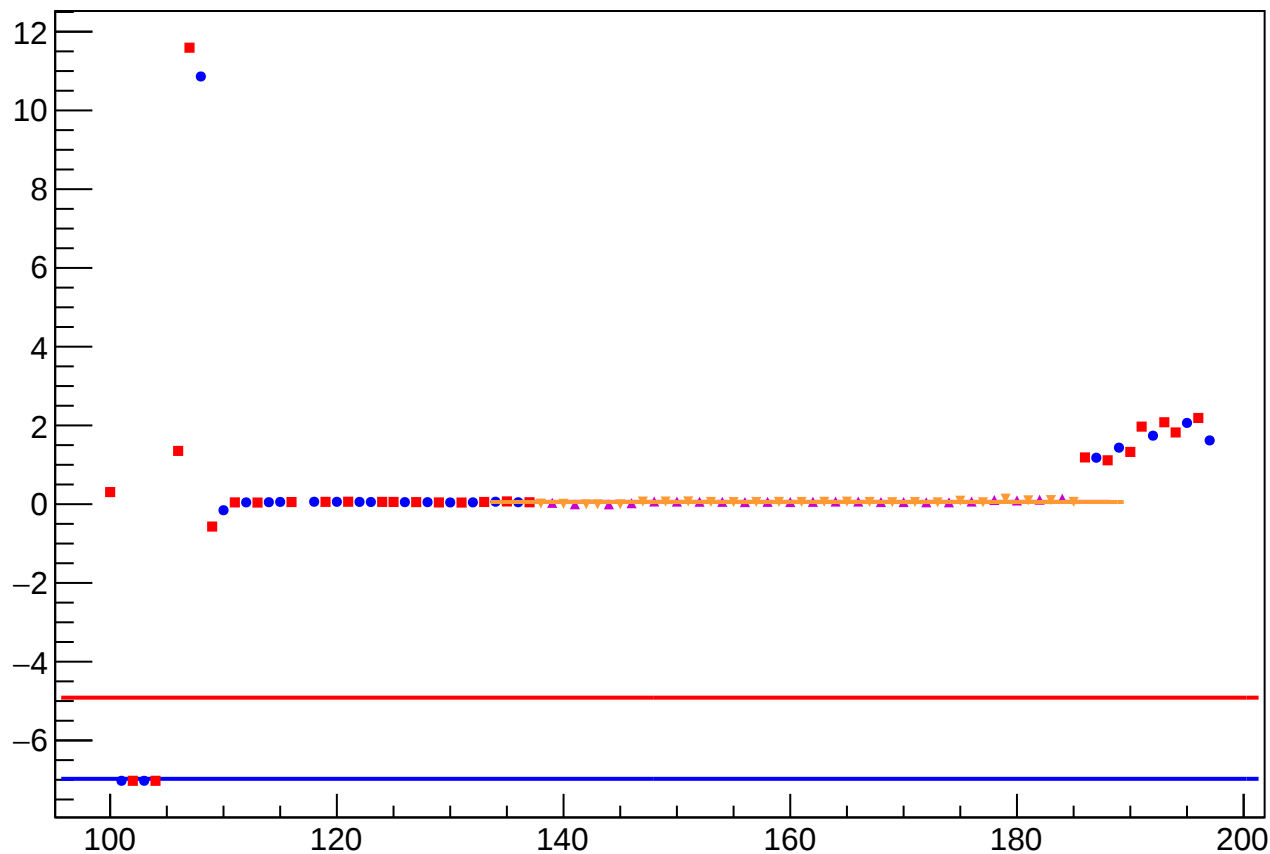
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 11055797.9/46

All: 0.001+/-0.000 χ^2/NDF : 24489456.8/95

- sign 0.001+/-0.000 χ^2/NDF : 13431616.0/48

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762551938146.4/21

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348629261044.4/25

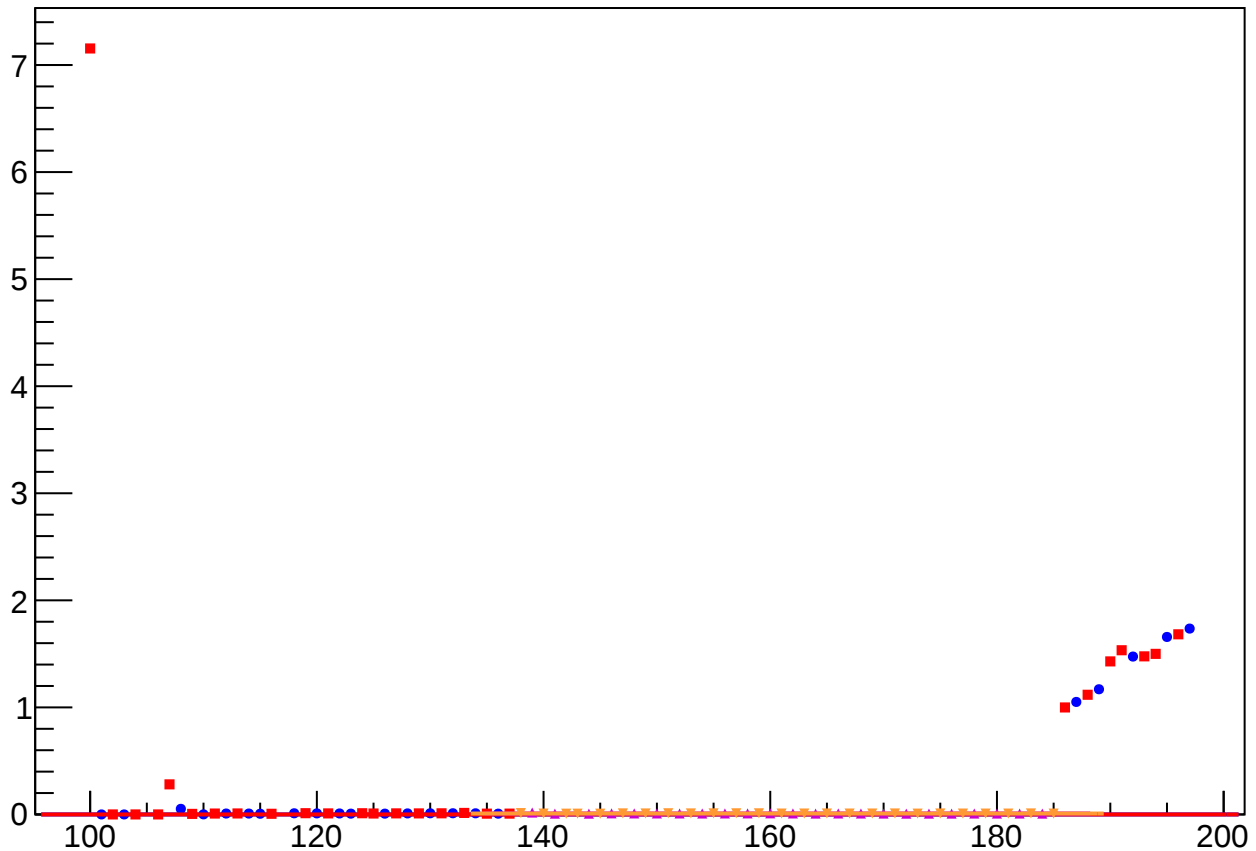
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417541402968.7/21

All: -5.858 ± 0.000 χ^2/NDF : 4435813616447.4/25

- sign -4.882 ± 0.000 χ^2/NDF : 369770920443581.3/25

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 14204233.4/21

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 16929305.9/25

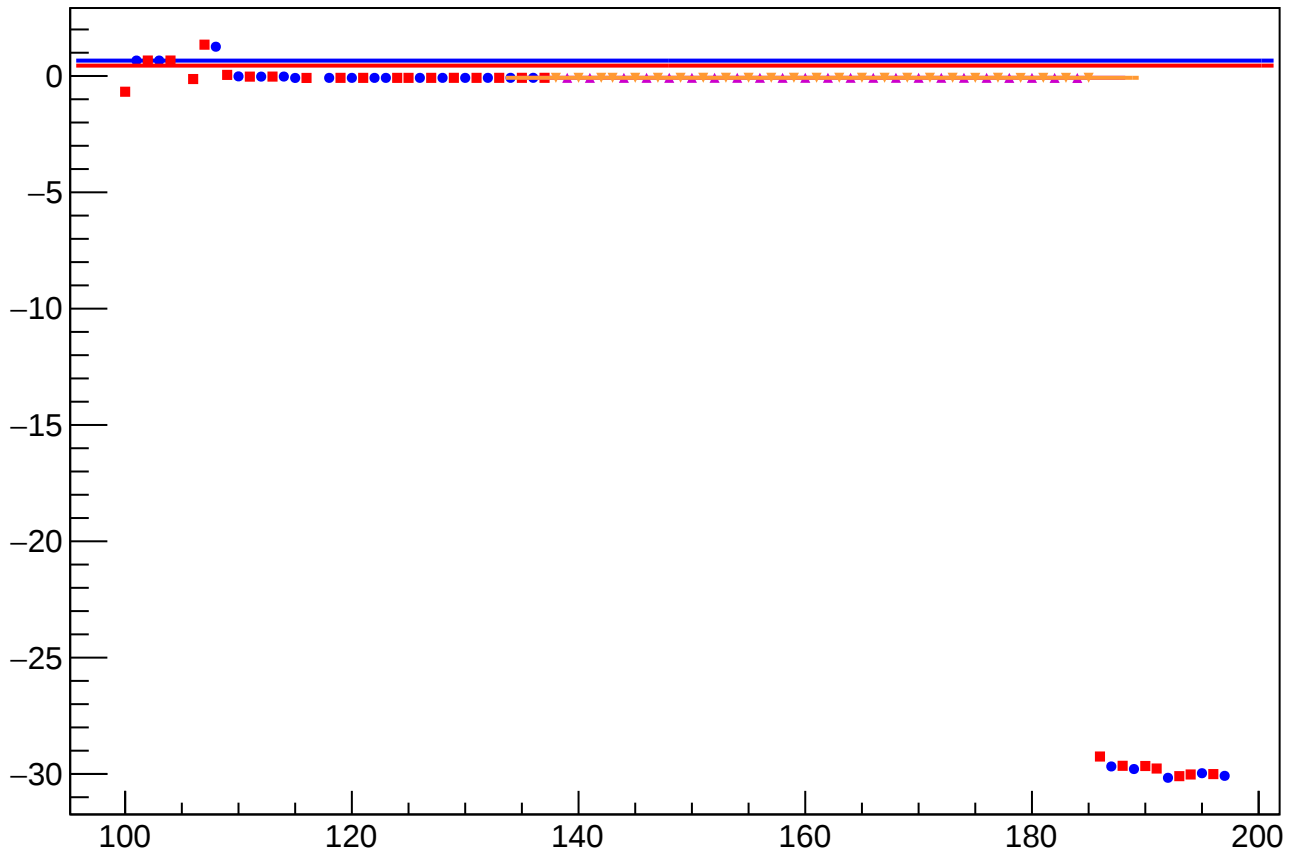
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 43191811.1/46

All: 0.000+/-0.000 χ^2/NDF : 87799555.6/95

- sign 0.000+/-0.000 χ^2/NDF : 44603293.3/48

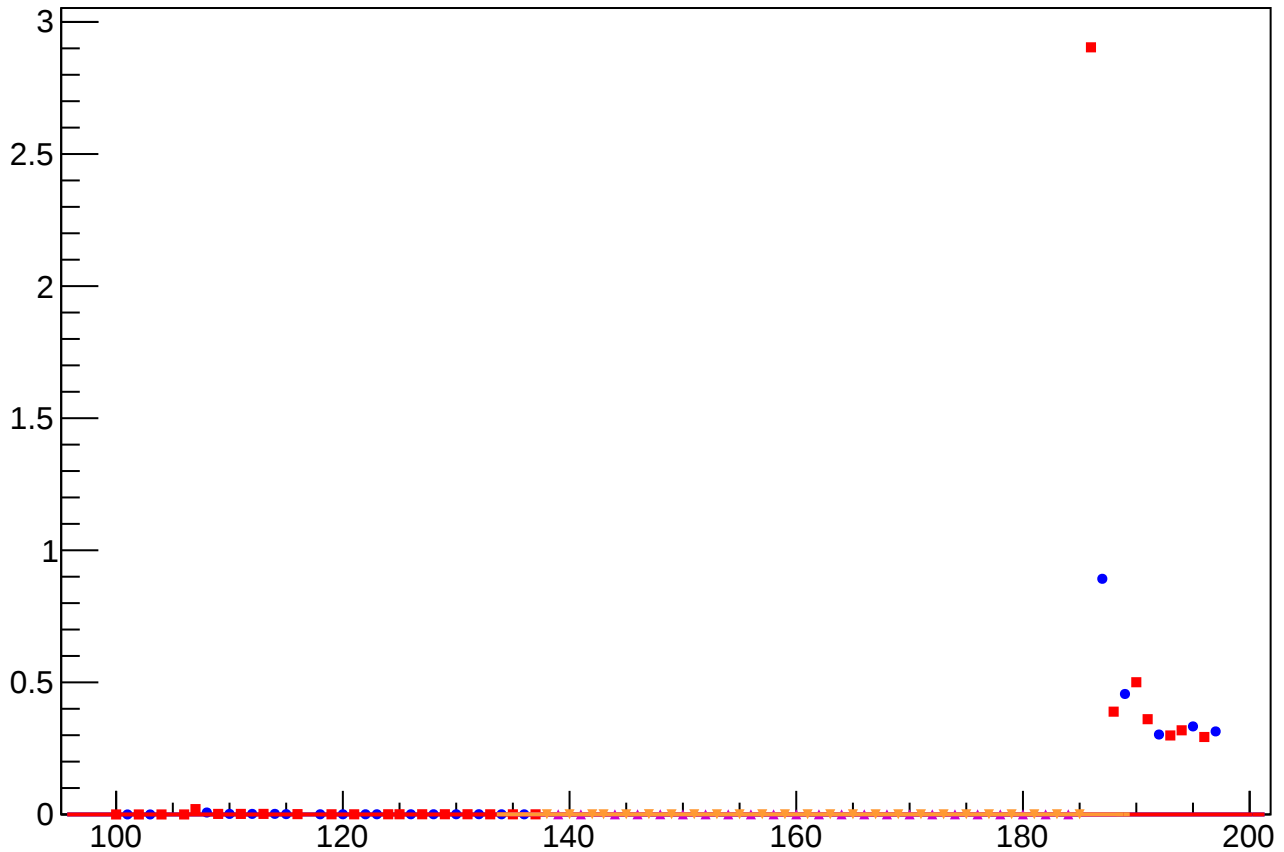
yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5609725464248.7/21
 Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156525648.0/24
 Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405447314917613.9/25
 Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 111221084.5/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35777215181657.1/4
 All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51603629388637
 - sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419678848663177.1/4

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 15684972.9/21

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 17459778.3/25

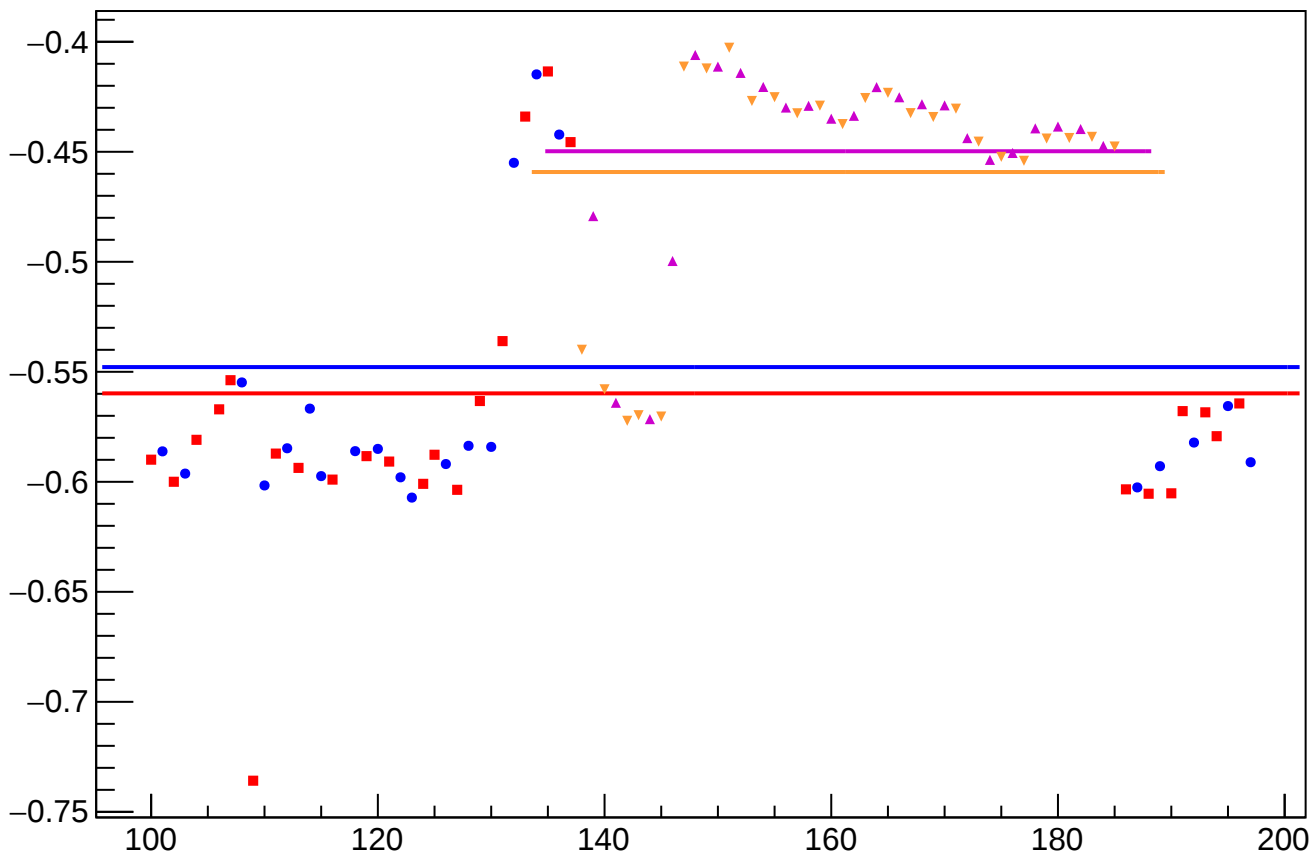
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 48334247.6/46

All: 0.000+/-0.000 χ^2/NDF : 96837961.7/95

- sign 0.000+/-0.000 χ^2/NDF : 48496570.9/48

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 47440203.1/21

Left Out: -0.459+/-0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.560+/-0.000 χ^2/NDF : 65245004.8/25

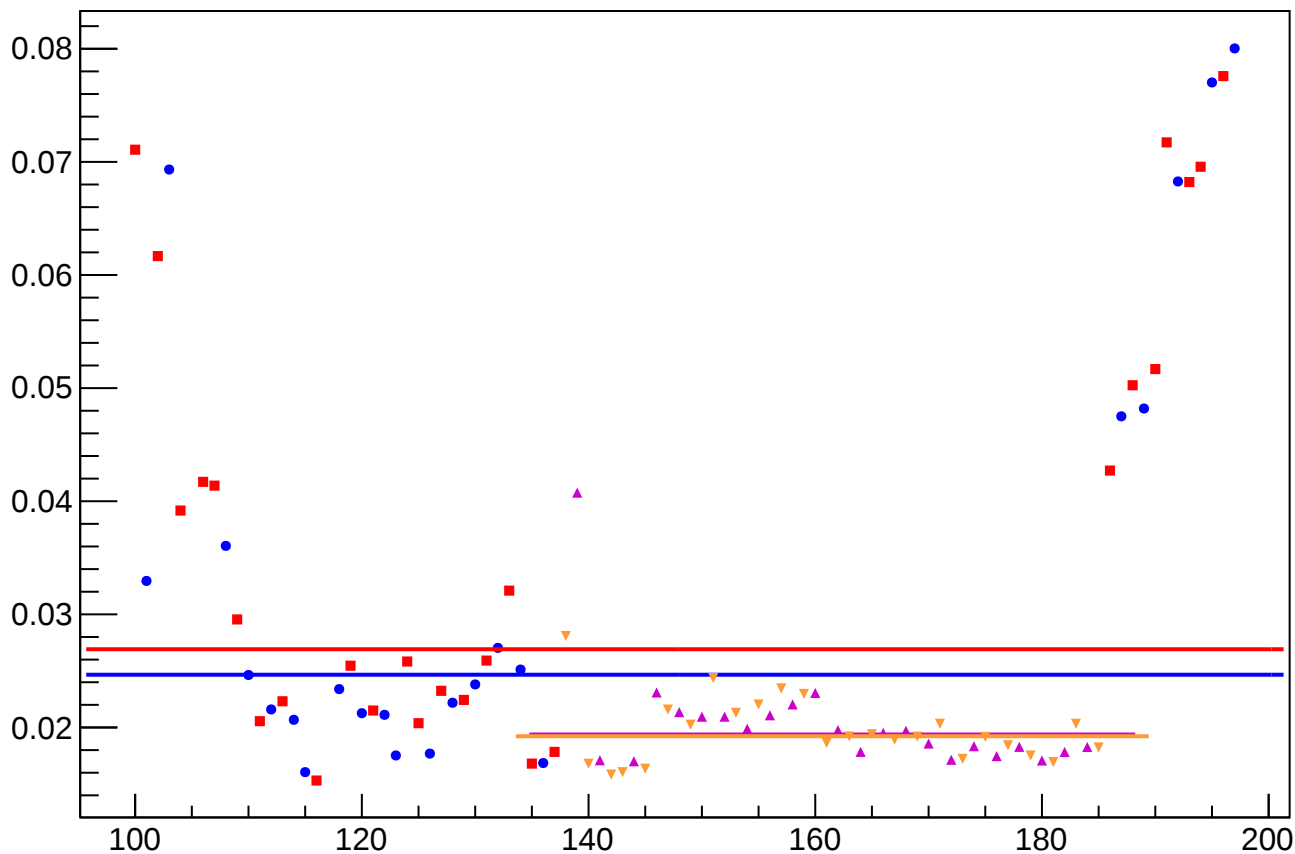
Left In: -0.450+/-0.000 χ^2/NDF : 76151485.7/22

+ sign -0.478+/-0.000 χ^2/NDF : 229444350.1/46

All: -0.477+/-0.000 χ^2/NDF : 473943992.5/95

- sign -0.475+/-0.000 χ^2/NDF : 244179543.4/48

yield_bpm4aX_rms vs Slug



Right In: 0.025 ± 0.000 χ^2/NDF : 3542421.2/21

Left Out: 0.019 ± 0.000 χ^2/NDF : 501253.7/24

Right Out: 0.027 ± 0.000 χ^2/NDF : 4019166.3/25

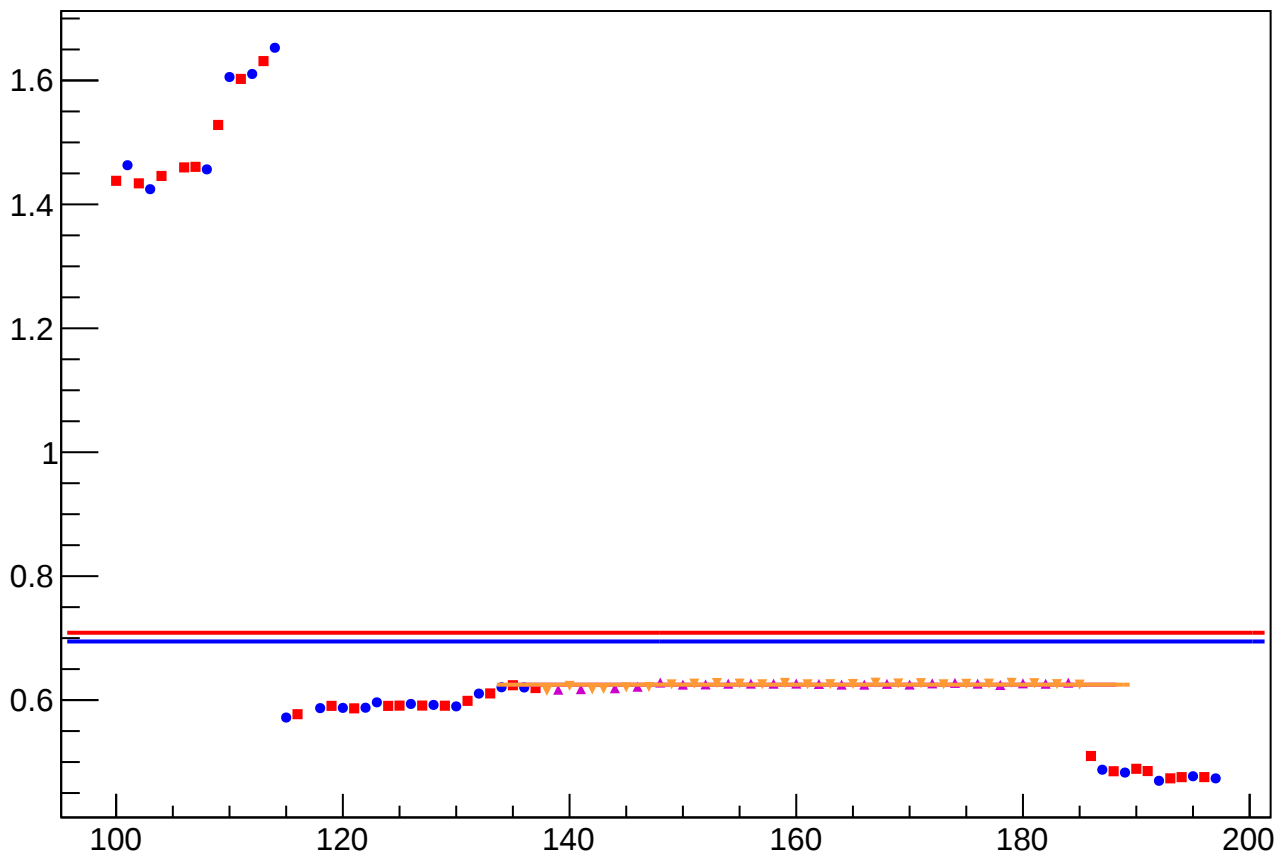
Left In: 0.019 ± 0.000 χ^2/NDF : 656155.9/22

+ sign 0.020 ± 0.000 χ^2/NDF : 4556631.2/46

All: 0.021 ± 0.000 χ^2/NDF : 10220133.3/95

- sign 0.021 ± 0.000 χ^2/NDF : 5639822.2/48

yield_bpm4aY_mean vs Slug



Right In: 0.695 $\pm$ 0.000 χ^2 /NDF: 4422352210.2/21

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442225.6/24

Right Out: 0.709 $\pm$ 0.000 χ^2 /NDF: 5398336108.5/25

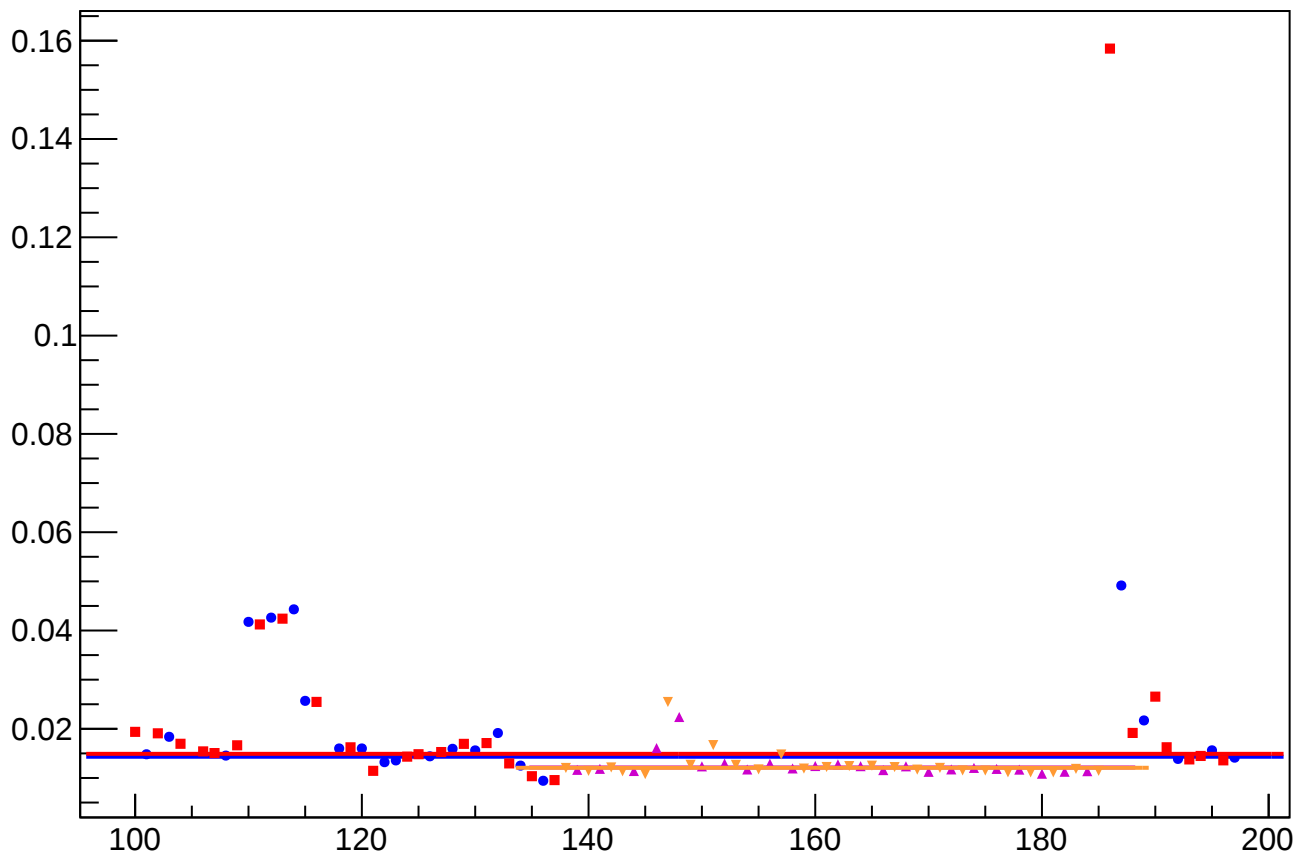
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.642 $\pm$ 0.000 χ^2 /NDF: 4572045213.1/46

All: 0.645 $\pm$ 0.000 χ^2 /NDF: 10193339708.8/9

- sign 0.648 $\pm$ 0.000 χ^2 /NDF: 5619040845.0/48

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1639514.2/21

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2066856.8/25

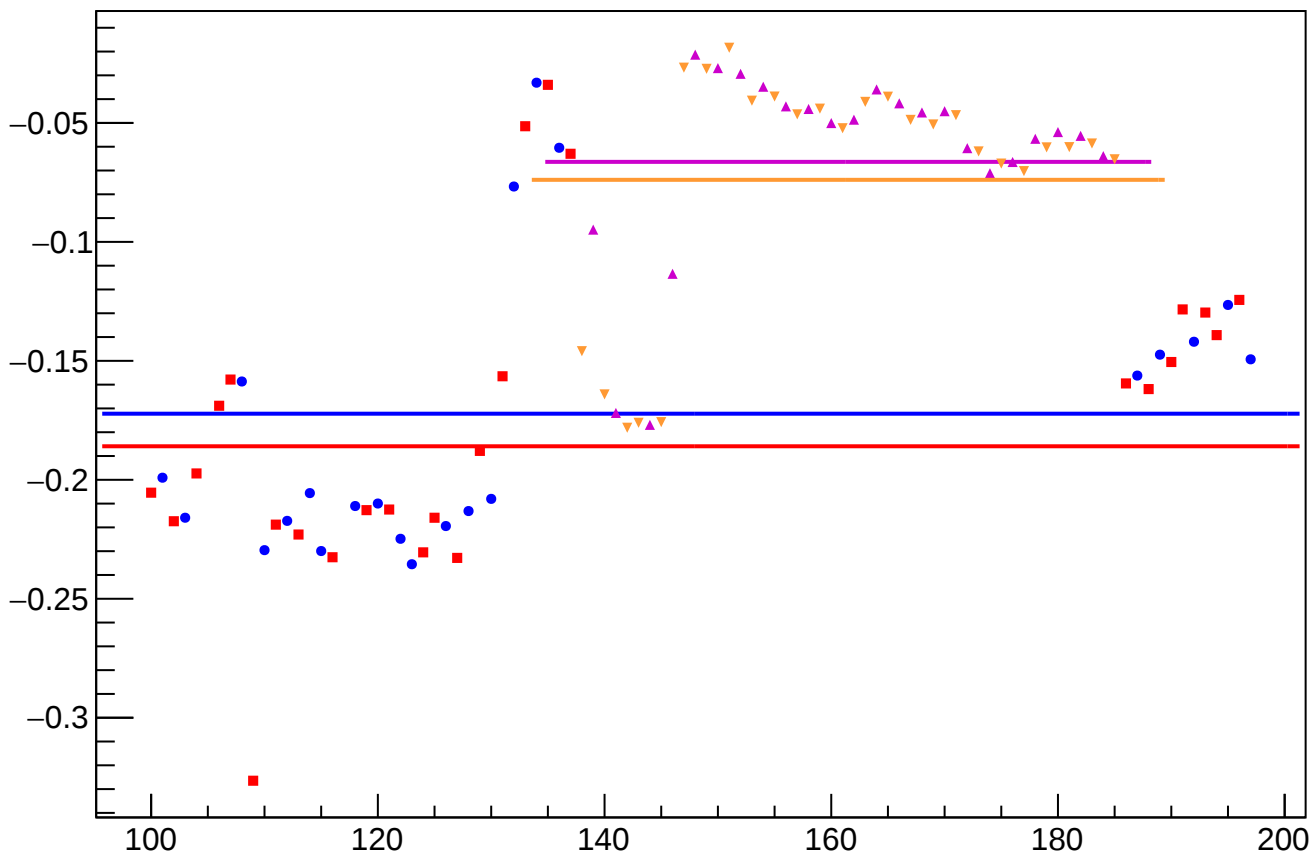
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2605798.8/46

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5651948.9/95

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3035771.0/48

yield_bpm4eX_mean vs Slug



Right In: -0.172 ± 0.000 χ^2/NDF : 67532160.0/21

Left Out: -0.074 ± 0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.186 ± 0.000 χ^2/NDF : 83605921.7/25

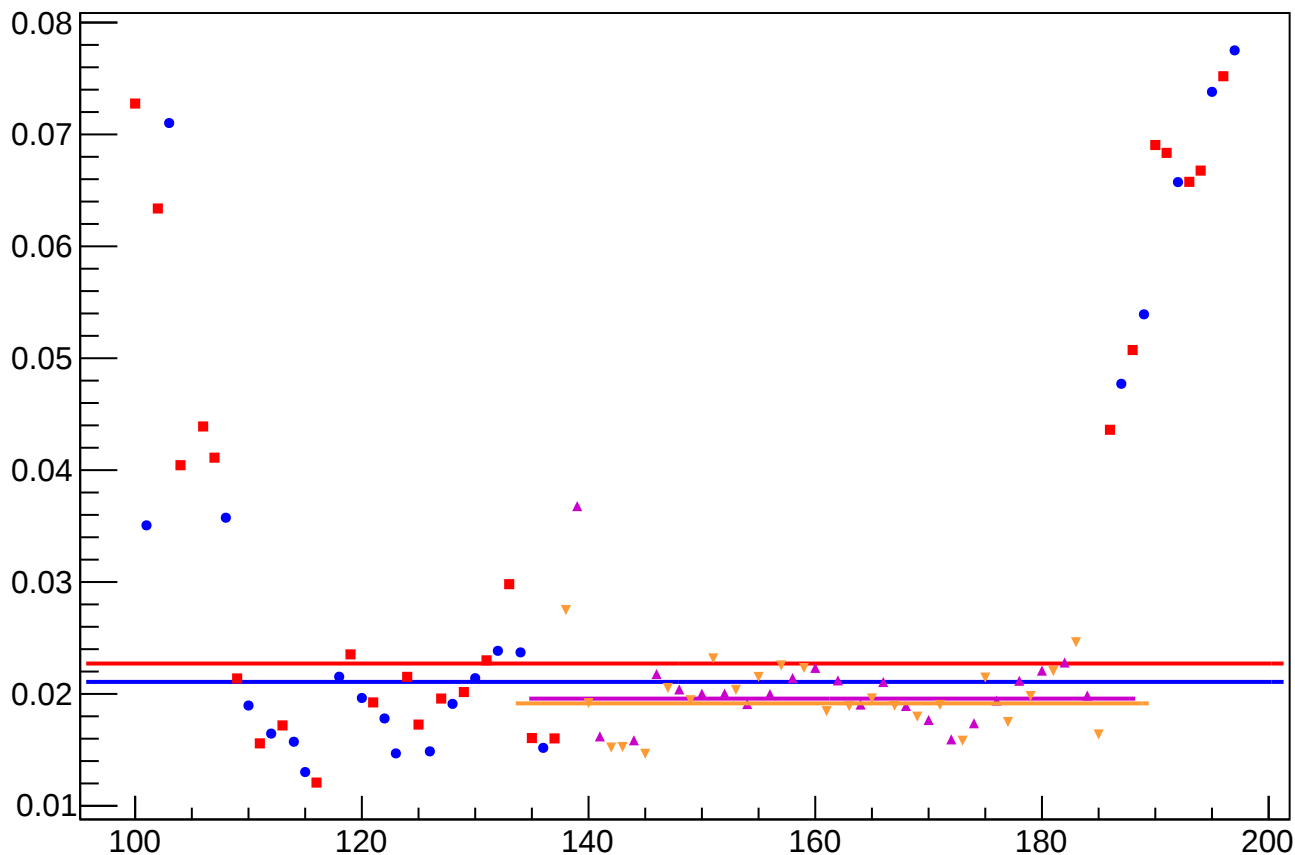
Left In: -0.066 ± 0.000 χ^2/NDF : 76283954.4/22

+ sign -0.100 ± 0.000 χ^2/NDF : 279100747.6/46

All: -0.100 ± 0.000 χ^2/NDF : 588542899.4/95

- sign -0.100 ± 0.000 χ^2/NDF : 309440489.5/48

yield_bpm4eX_rms vs Slug



Right In: 0.021 $\pm$ 0.000 χ^2 /NDF: 4168615.9/21

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641027.3/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 4986220.6/25

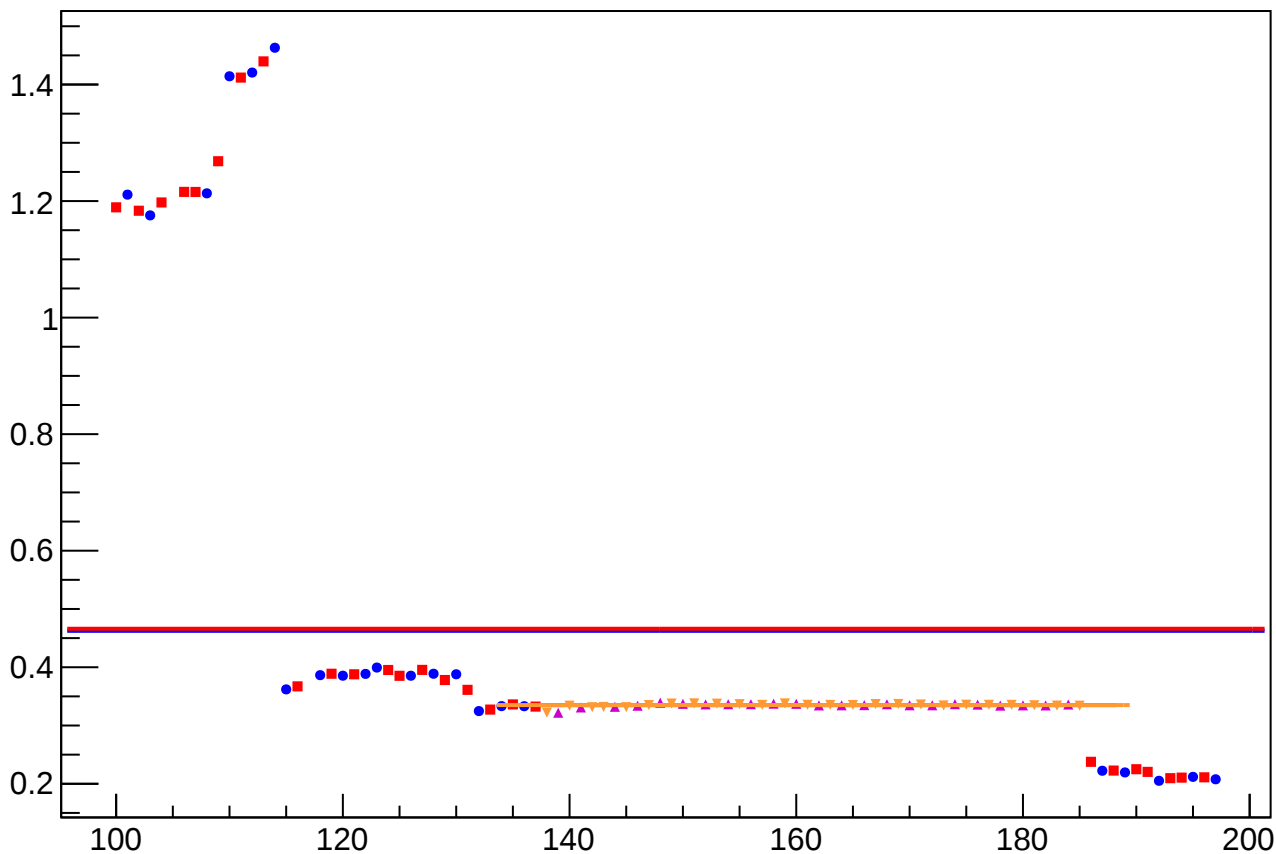
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:651328.7/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 4888794.8/46

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 10766800.2/95

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 5843437.7/48

yield_bpm4eY_mean vs Slug



Right In: 0.463+/-0.000 χ^2/NDF : 6430393792.6/21

Left Out: 0.335+/-0.000 χ^2/NDF :1153956.7/24

+ sign 0.370+/-0.000 χ^2/NDF : 7060090927.1/46

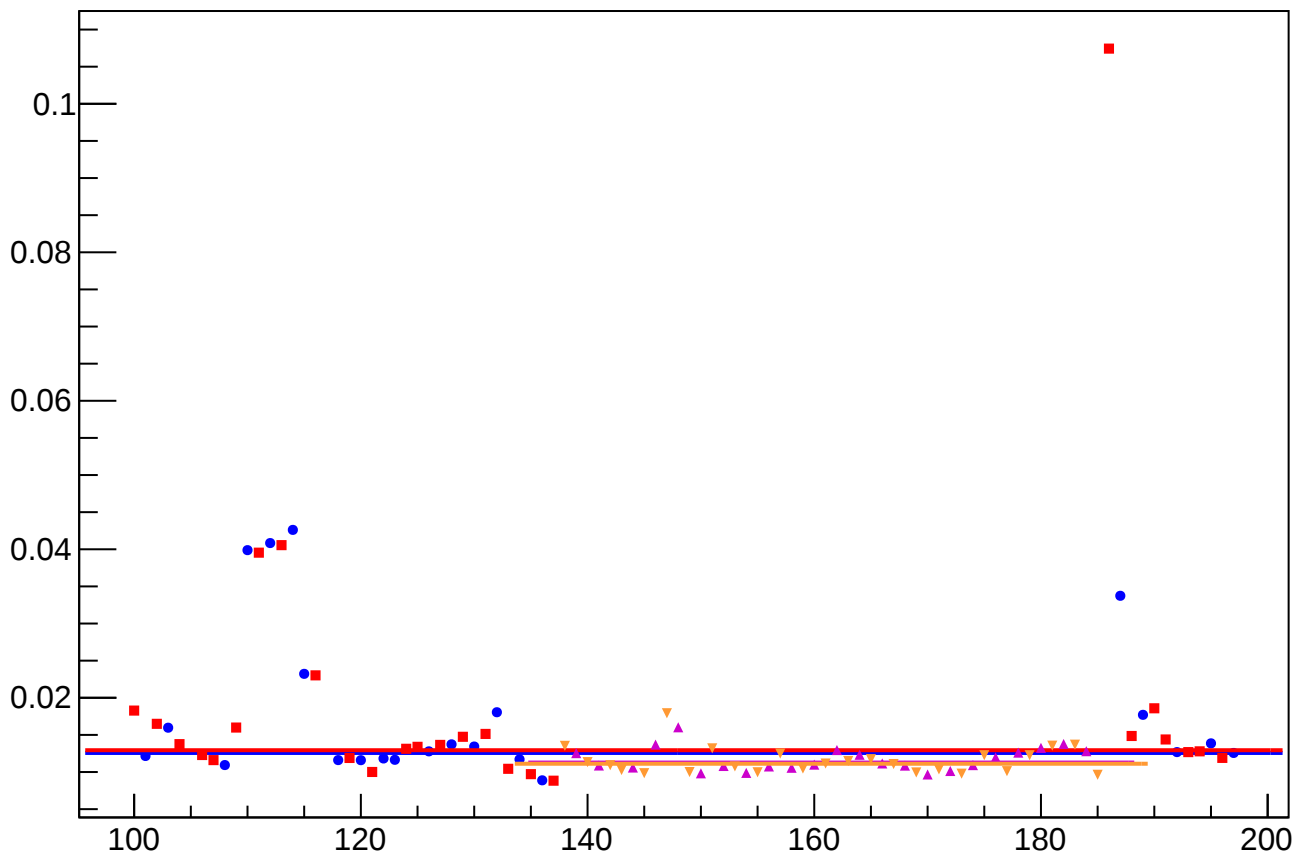
Right Out: 0.466+/-0.000 χ^2/NDF : 7542422719.5/25

All: 0.372+/-0.000 χ^2/NDF : 15288096398.9/95

- sign 0.375+/-0.000 χ^2/NDF : 8225712364.2/48

Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1508768.1/21

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:608235.7/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1927898.5/25

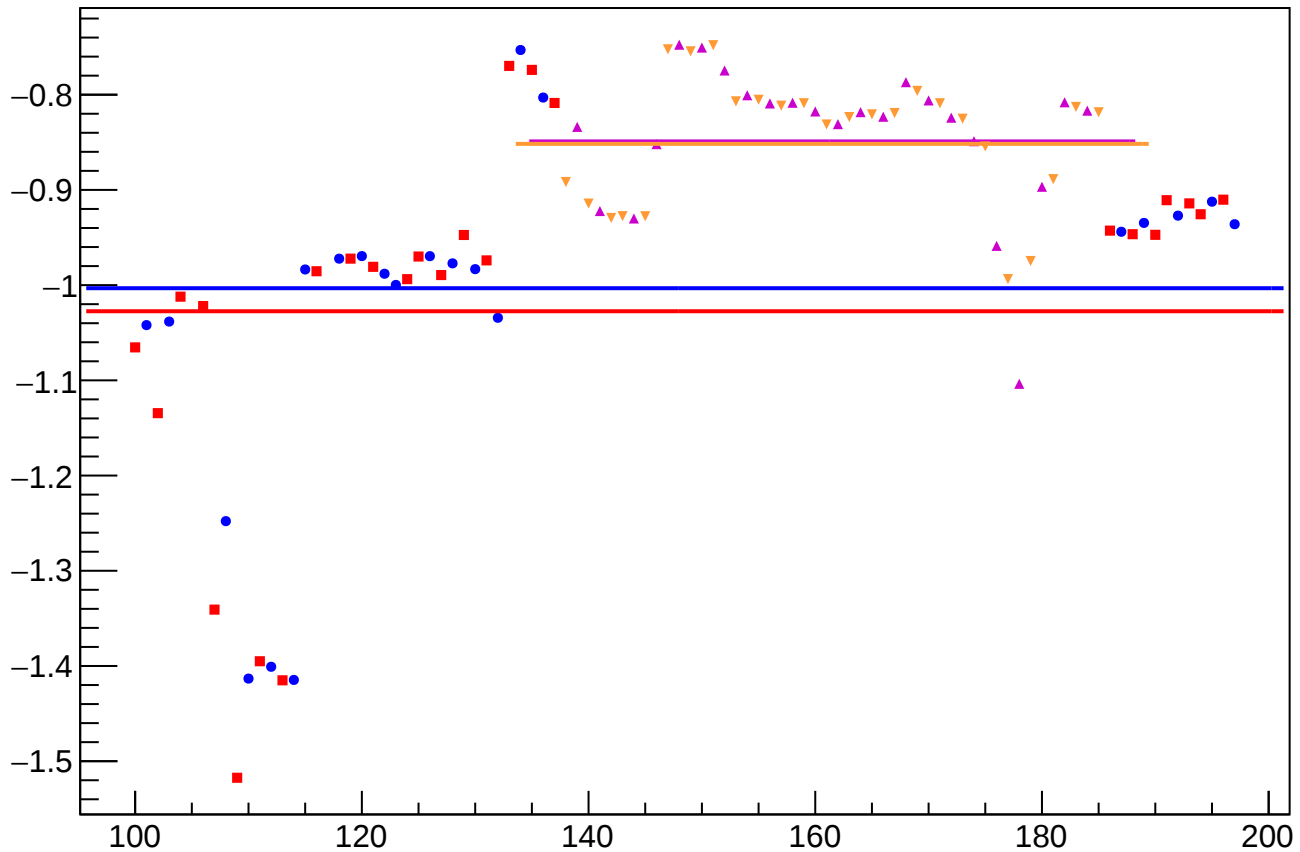
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502226.7/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2280346.6/46

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4943519.9/95

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2649630.4/48

yield_bpm4acX_mean vs Slug



Right In: -1.003+/-0.000 χ^2/NDF : 397347767.5/21

Left Out: -0.852+/-0.000 χ^2/NDF : 189276591.7/24

Right Out: -1.027+/-0.000 χ^2/NDF : 546829773.8/25

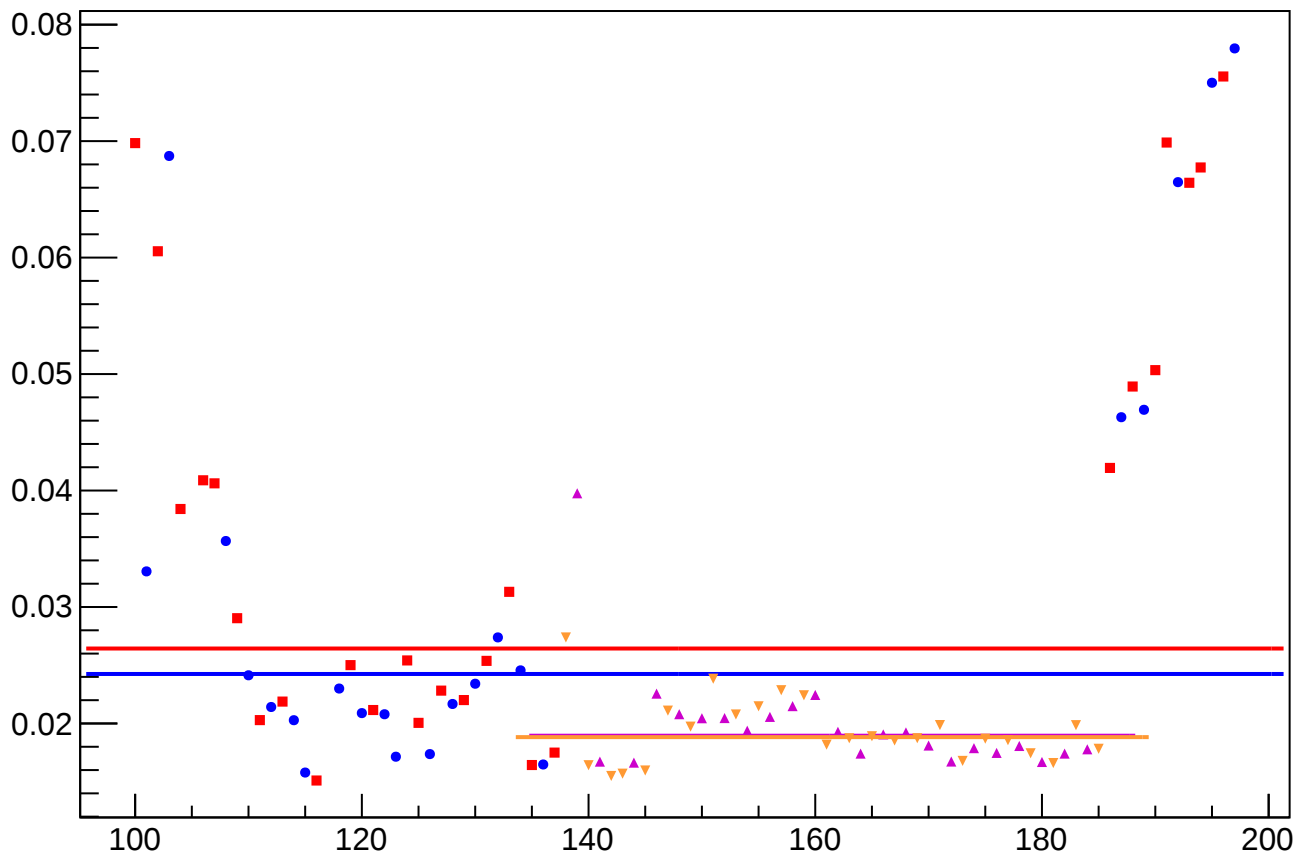
Left In: -0.849+/-0.000 χ^2/NDF : 256438306.8/22

+ sign -0.884+/-0.000 χ^2/NDF : 793218002.3/46

All: -0.887+/-0.000 χ^2/NDF : 1877723929.0/9

- sign -0.889+/-0.000 χ^2/NDF : 1083828728.8/48

yield_bpm4acX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 3542796.0/21

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490084.5/24

Right Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 3985621.4/25

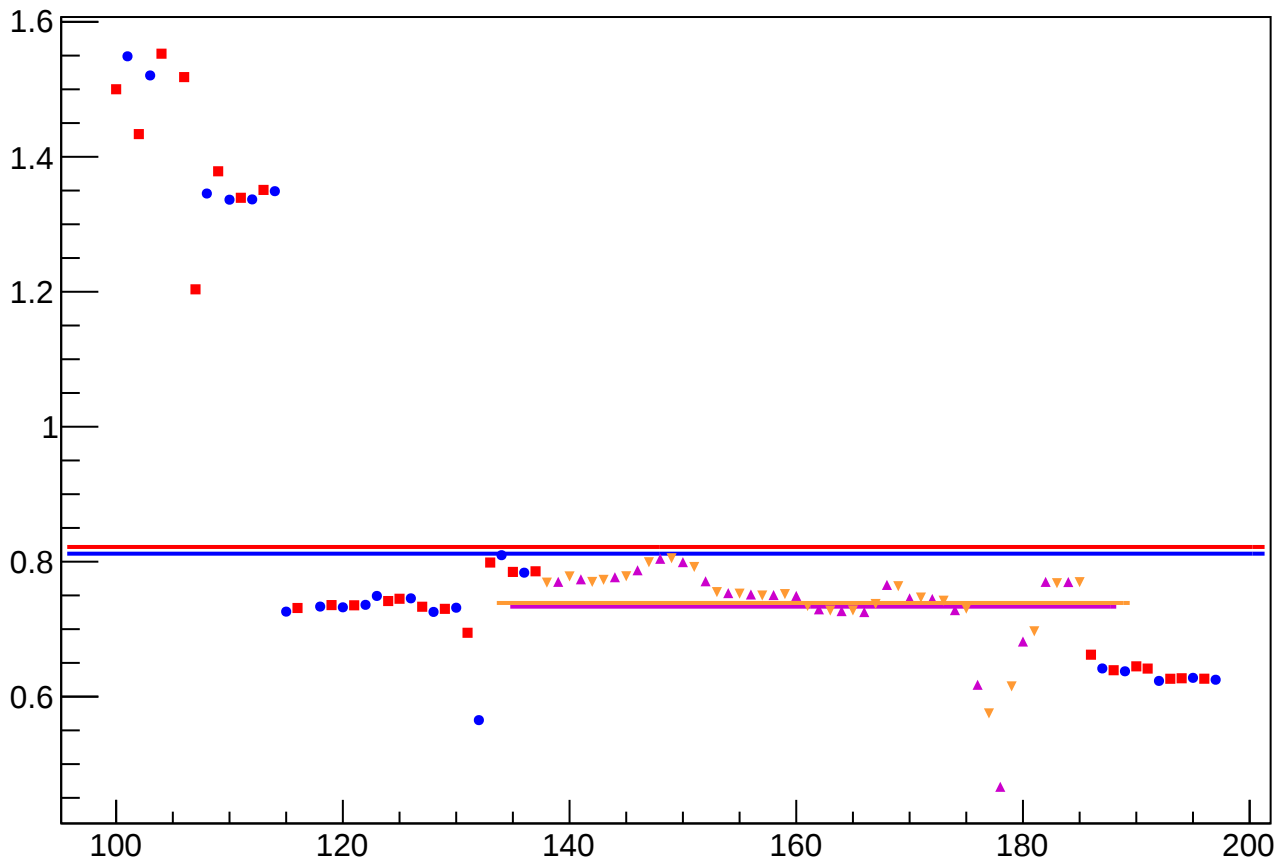
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 645048.1/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 4561452.7/46

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 10202145.8/95

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 5619012.9/48

yield_bpm4acY_mean vs Slug



Right In: 0.812 $\pm$ 0.000 χ^2/NDF : 3012704904.8/21

Left Out: 0.739 $\pm$ 0.000 χ^2/NDF :333086309.0/24

Right Out: 0.822 $\pm$ 0.000 χ^2/NDF : 3301996814.3/25

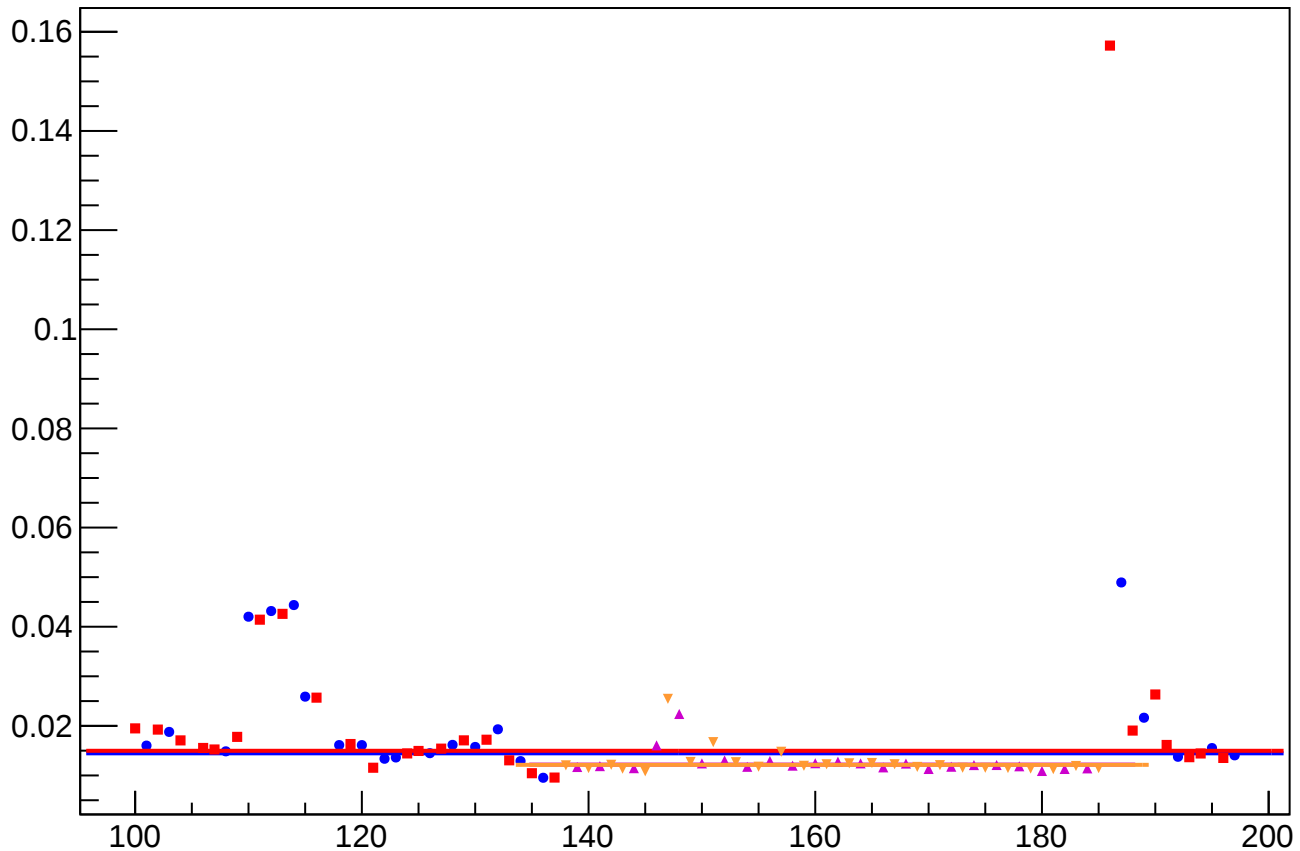
Left In: 0.733 $\pm$ 0.000 χ^2/NDF :570264411.7/22

+ sign 0.757 $\pm$ 0.000 χ^2/NDF : 3505420619.0/46

All: 0.757 $\pm$ 0.000 χ^2/NDF : 7619511446.0/95

- sign 0.757 $\pm$ 0.000 χ^2/NDF : 4114076664.9/48

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1640978.7/21

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2070377.4/25

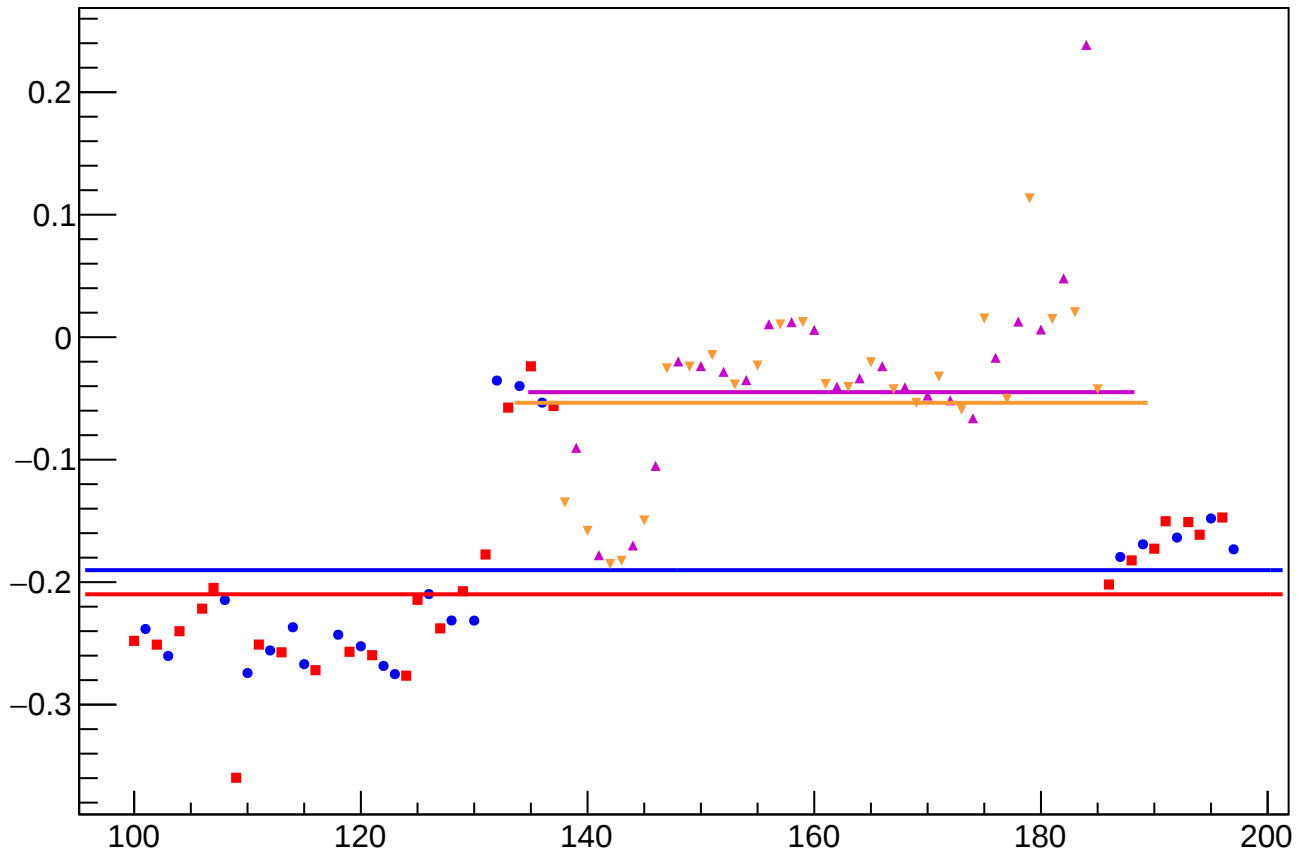
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2601607.7/46

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5641255.7/95

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3031335.2/48

yield_bpm4ecX_mean vs Slug



Right In: -0.190+/-0.000 χ^2/NDF : 106480942.4/21

Left Out: -0.054+/-0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.210+/-0.000 χ^2/NDF : 111791156.2/25

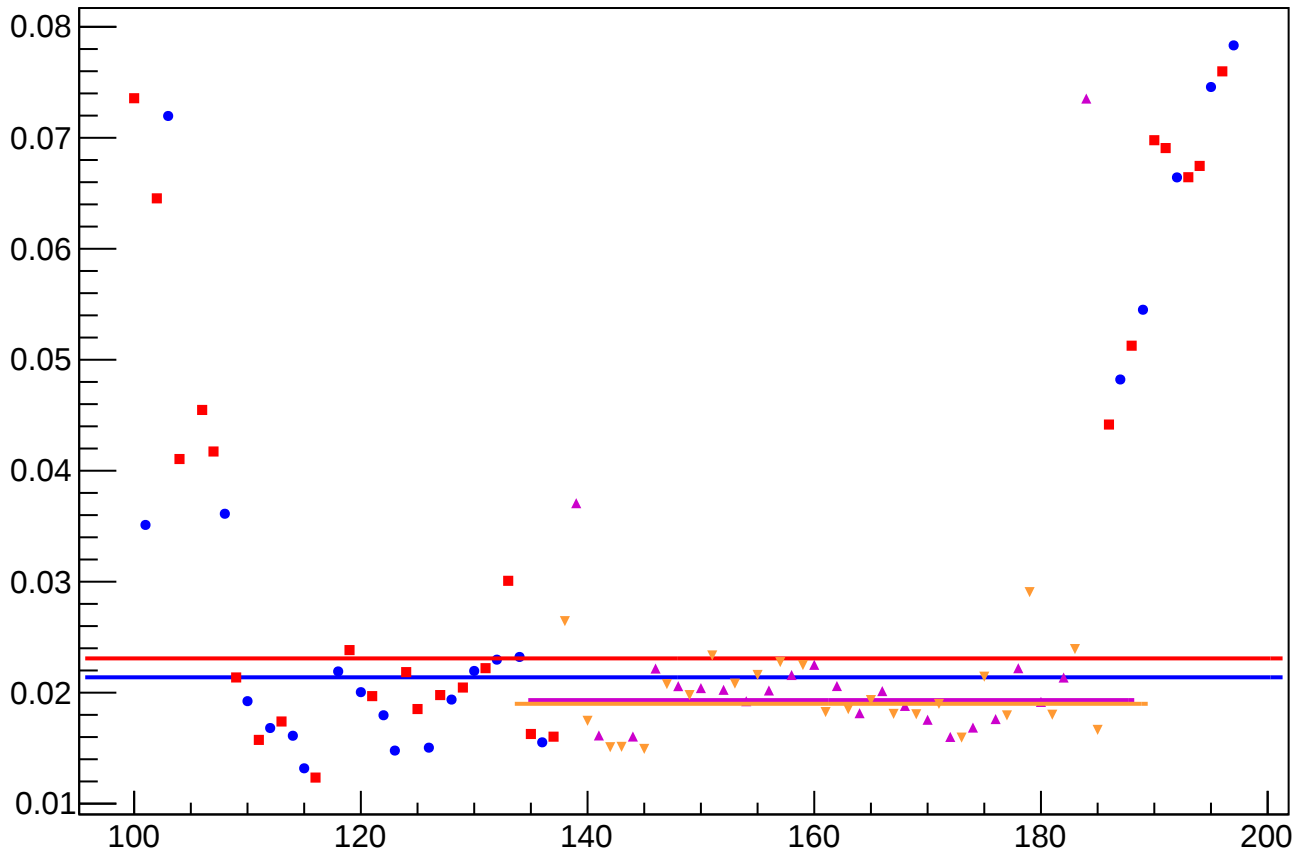
Left In: -0.045+/-0.000 χ^2/NDF : 127324000.1/22

+ sign -0.089+/-0.000 χ^2/NDF : 469943181.1/46

All: -0.089+/-0.000 χ^2/NDF : 987253147.5/95

- sign -0.090+/-0.000 χ^2/NDF : 517272712.9/48

yield_bpm4ecX_rms vs Slug



Right In: 0.021 ± 0.000 χ^2/NDF : 4129741.2/21

Left Out: 0.019 ± 0.000 χ^2/NDF : 699267.5/24

Right Out: 0.023 ± 0.000 χ^2/NDF : 4957618.8/25

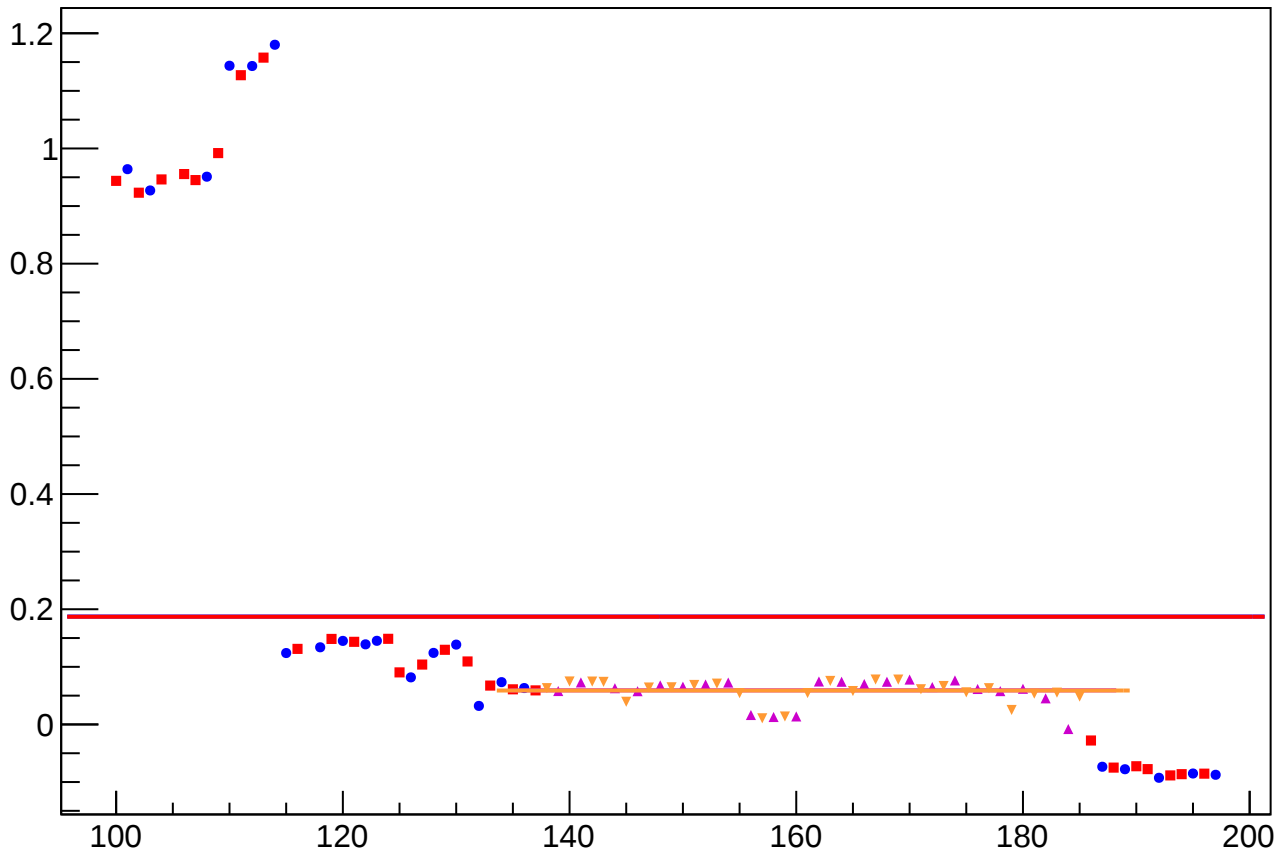
Left In: 0.019 ± 0.000 χ^2/NDF : 892810.7/22

+ sign 0.020 ± 0.000 χ^2/NDF : 4948436.4/46

All: 0.020 ± 0.000 χ^2/NDF : 11116747.0/95

- sign 0.020 ± 0.000 χ^2/NDF : 6138848.9/48

yield_bpm4ecY_mean vs Slug



Right In: 0.187+/-0.000 χ^2/NDF : 685553534.0/21

Left Out: 0.059+/-0.000 χ^2/NDF : 46902918.4/24

Right Out: 0.187+/-0.000 χ^2/NDF : 7864786863.0/25

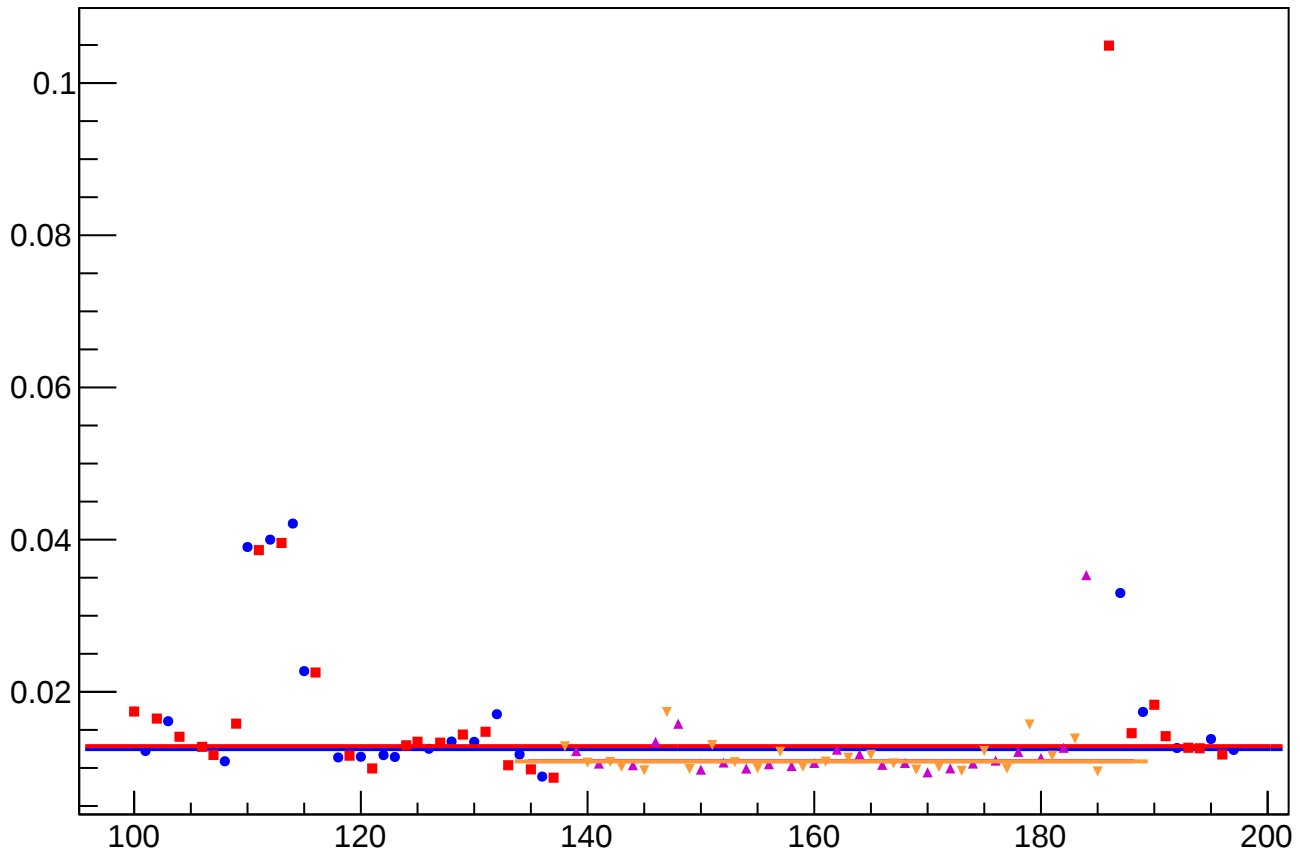
Left In: 0.059+/-0.000 χ^2/NDF : 58640898.5/22

+ sign 0.094+/-0.000 χ^2/NDF : 7551712062.9/46

All: 0.095+/-0.000 χ^2/NDF : 16138777509.1/9

- sign 0.097+/-0.000 χ^2/NDF : 8586107969.5/48

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1475907.7/21

Left Out: 0.011+/-0.000 χ^2/NDF : 605519.3/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1885915.7/25

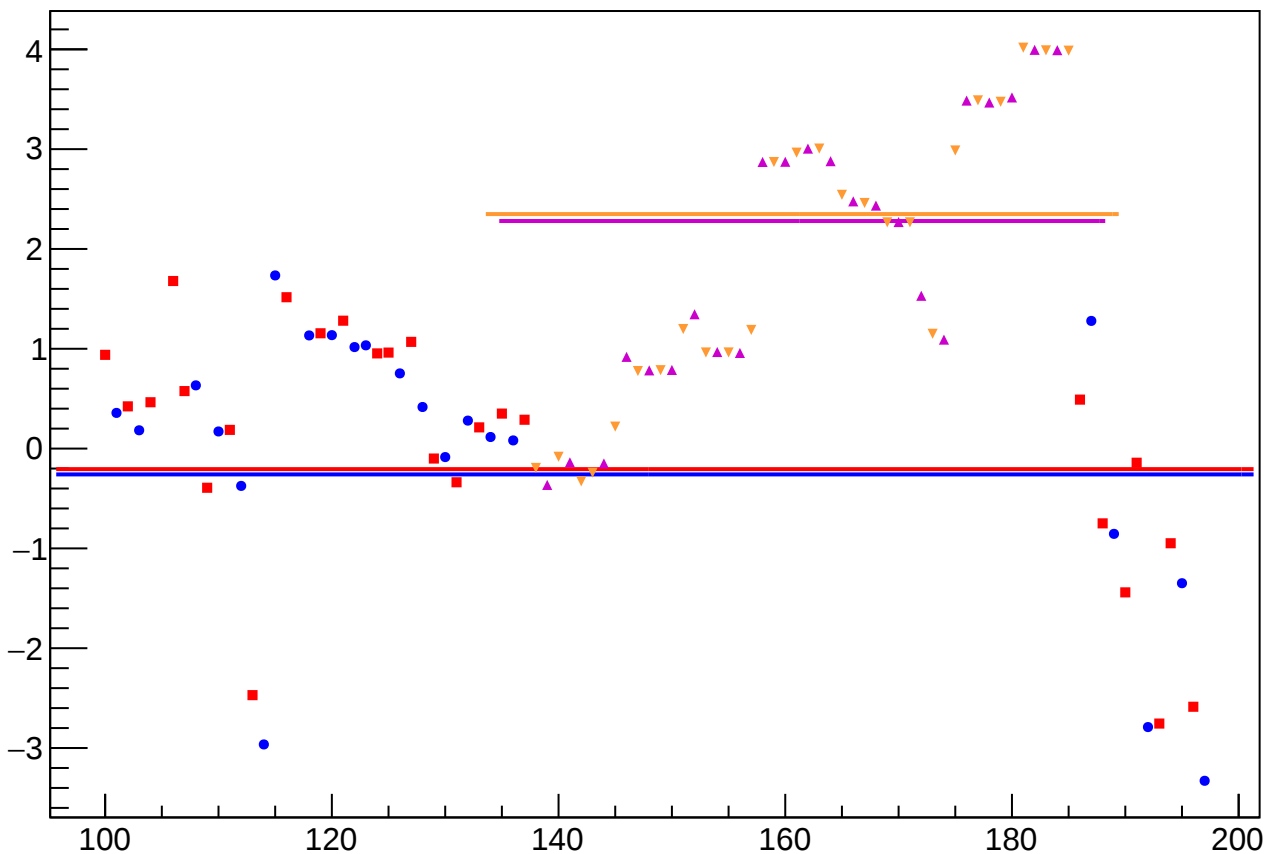
Left In: 0.011+/-0.000 χ^2/NDF : 529867.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 2285667.9/46

All: 0.011+/-0.000 χ^2/NDF : 5023776.4/95

- sign 0.011+/-0.000 χ^2/NDF : 2732218.2/48

yield_bpm1X_mean vs Slug



Right In: -0.259 ± 0.000 $\chi^2/\text{NDF}: 4047968749.3/21$

Left Out: 2.349 ± 0.000 $\chi^2/\text{NDF}: 63600066268.3/24$

Right Out: -0.206 ± 0.000 $\chi^2/\text{NDF}: 4160253661.8/25$

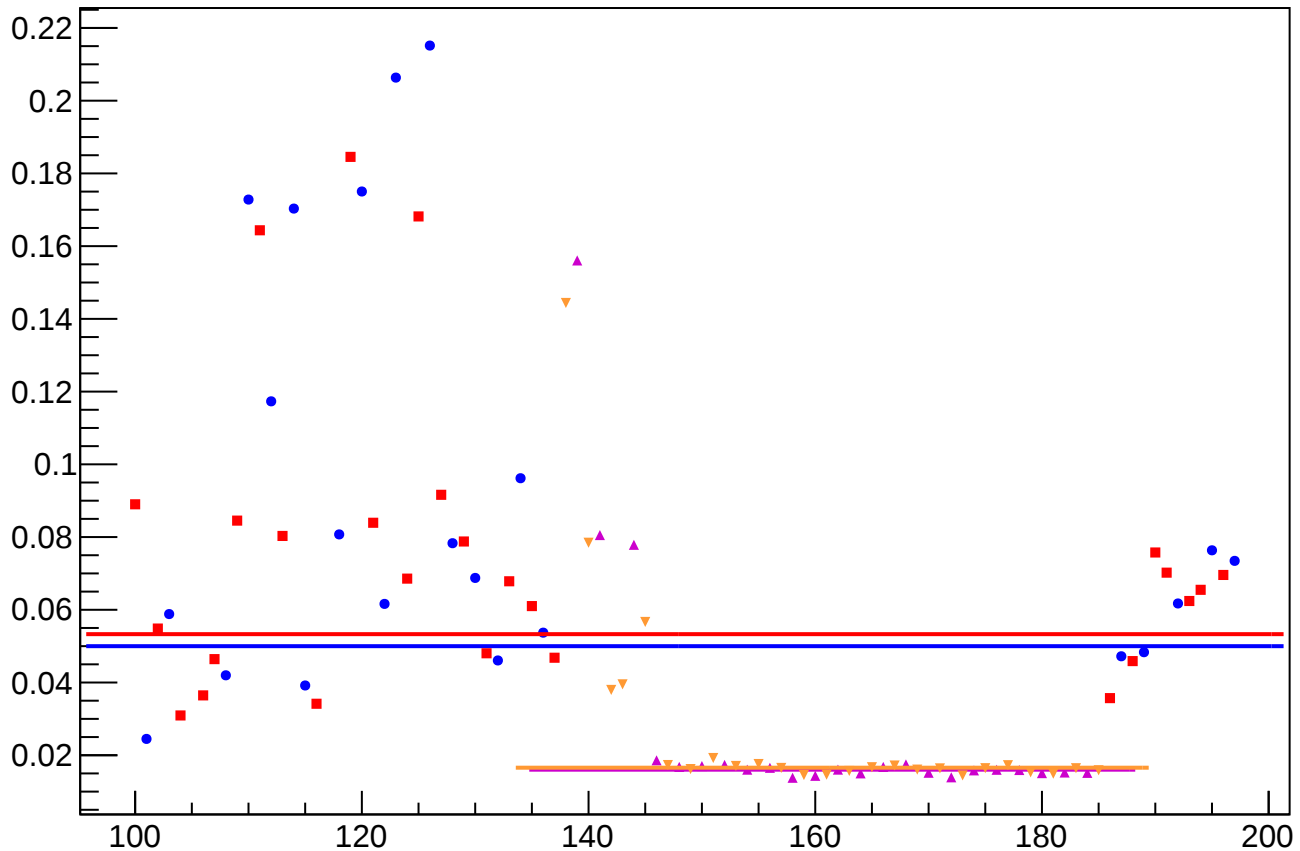
Left In: 2.280 ± 0.000 $\chi^2/\text{NDF}: 61444254541.3/22$

+ sign 2.229 ± 0.000 $\chi^2/\text{NDF}: 83641696725.1/46$

All: 2.192 ± 0.000 $\chi^2/\text{NDF}: 165593055160.4$

- sign 2.155 ± 0.000 $\chi^2/\text{NDF}: 81801794802.8/48$

yield_bpm1X_rms vs Slug



Right In: 0.050+/-0.000 χ^2/NDF : 3263692.6/21

Left Out: 0.017+/-0.000 χ^2/NDF : 2623615.6/24

Right Out: 0.053+/-0.000 χ^2/NDF : 2634886.8/25

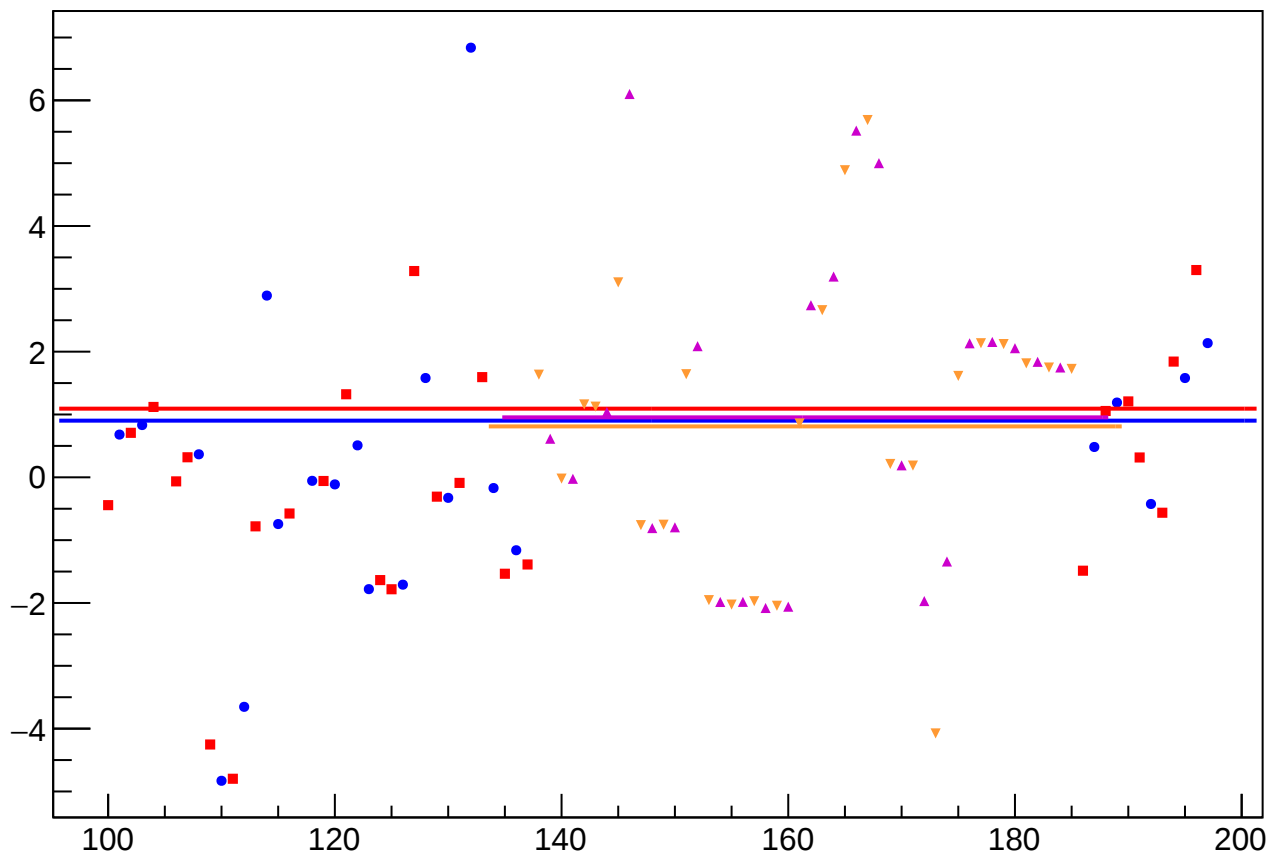
Left In: 0.016+/-0.000 χ^2/NDF : 2463853.3/22

+ sign 0.018+/-0.000 χ^2/NDF : 11138264.8/46

All: 0.018+/-0.000 χ^2/NDF : 23520336.7/95

- sign 0.018+/-0.000 χ^2/NDF : 12379650.1/48

yield_bpm1Y_mean vs Slug



Right In: 0.902 $\pm$ 0.000 χ^2 /NDF: 18495792499.2/21

Left Out: 0.810 $\pm$ 0.000 χ^2 /NDF: 507583198570.2/24

Right Out: 1.093 $\pm$ 0.000 χ^2 /NDF: 22462606691.4/25

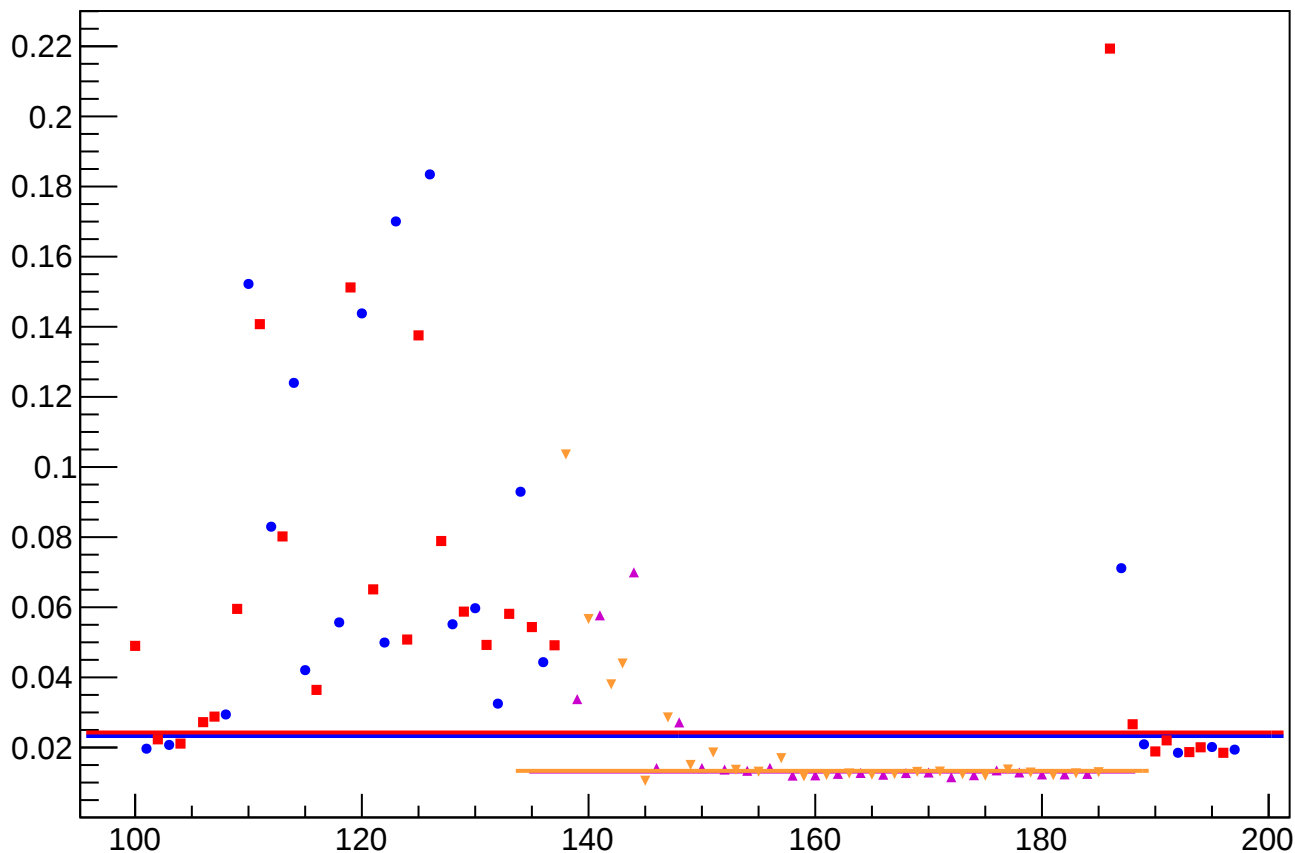
Left In: 0.954 $\pm$ 0.000 χ^2 /NDF: 574792794608.3/22

+ sign 0.820 $\pm$ 0.000 χ^2 /NDF: 526157564090.1/46

All: 0.896 $\pm$ 0.000 χ^2 /NDF: 1124690728453.

- sign 0.970 $\pm$ 0.000 χ^2 /NDF: 597448168882.8/48

yield_bpm1Y_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 3581931.9/21

Left Out: 0.013+/-0.000 χ^2/NDF : 2829070.5/24

Right Out: 0.024+/-0.000 χ^2/NDF : 4552370.1/25

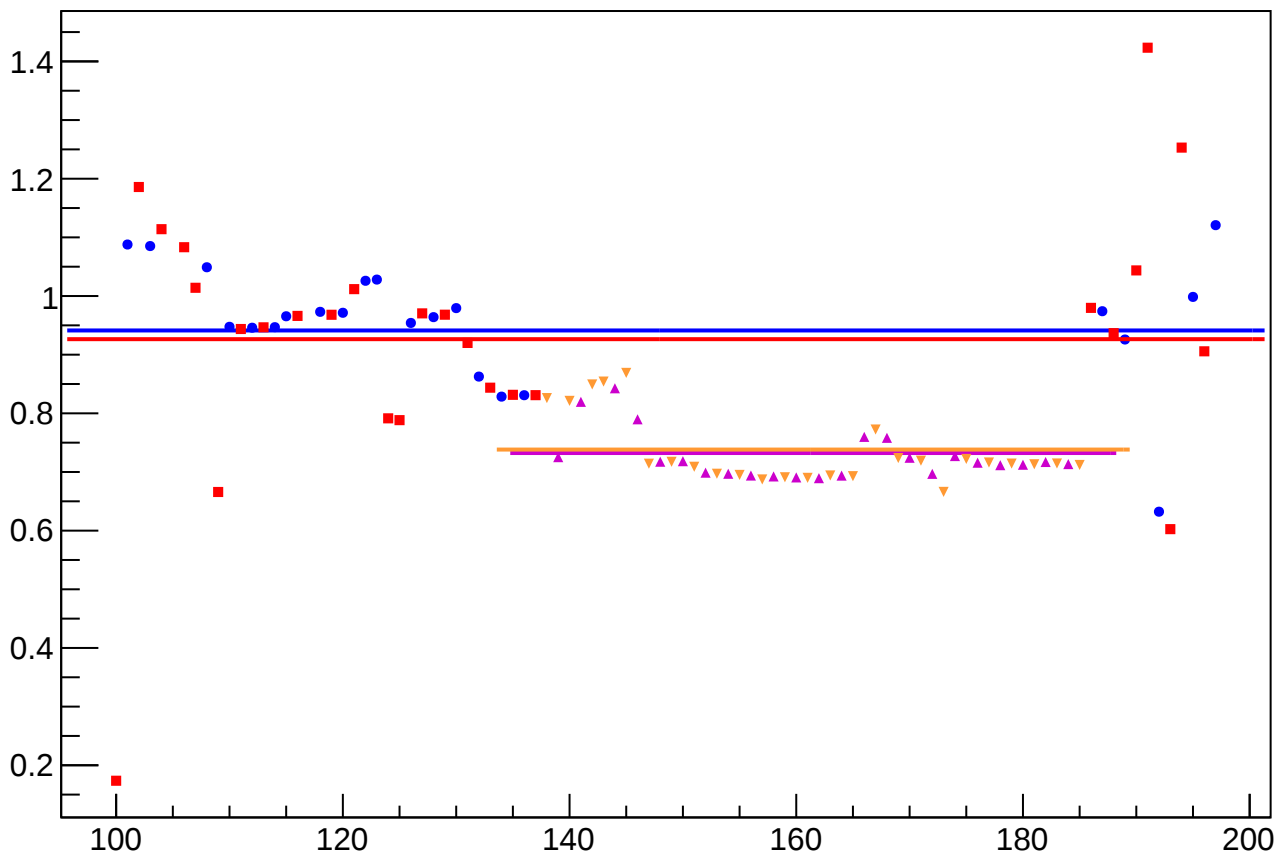
Left In: 0.013+/-0.000 χ^2/NDF : 1968206.9/22

+ sign 0.014+/-0.000 χ^2/NDF : 8258982.3/46

All: 0.014+/-0.000 χ^2/NDF : 17276493.6/95

- sign 0.014+/-0.000 χ^2/NDF : 9017503.4/48

yield_bpm11X_mean vs Slug



Right In: 0.941 $\pm$ 0.000 χ^2 /NDF: 312988195.1/21

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310610047.7/24

Right Out: 0.926 $\pm$ 0.000 χ^2 /NDF: 660752471.2/25

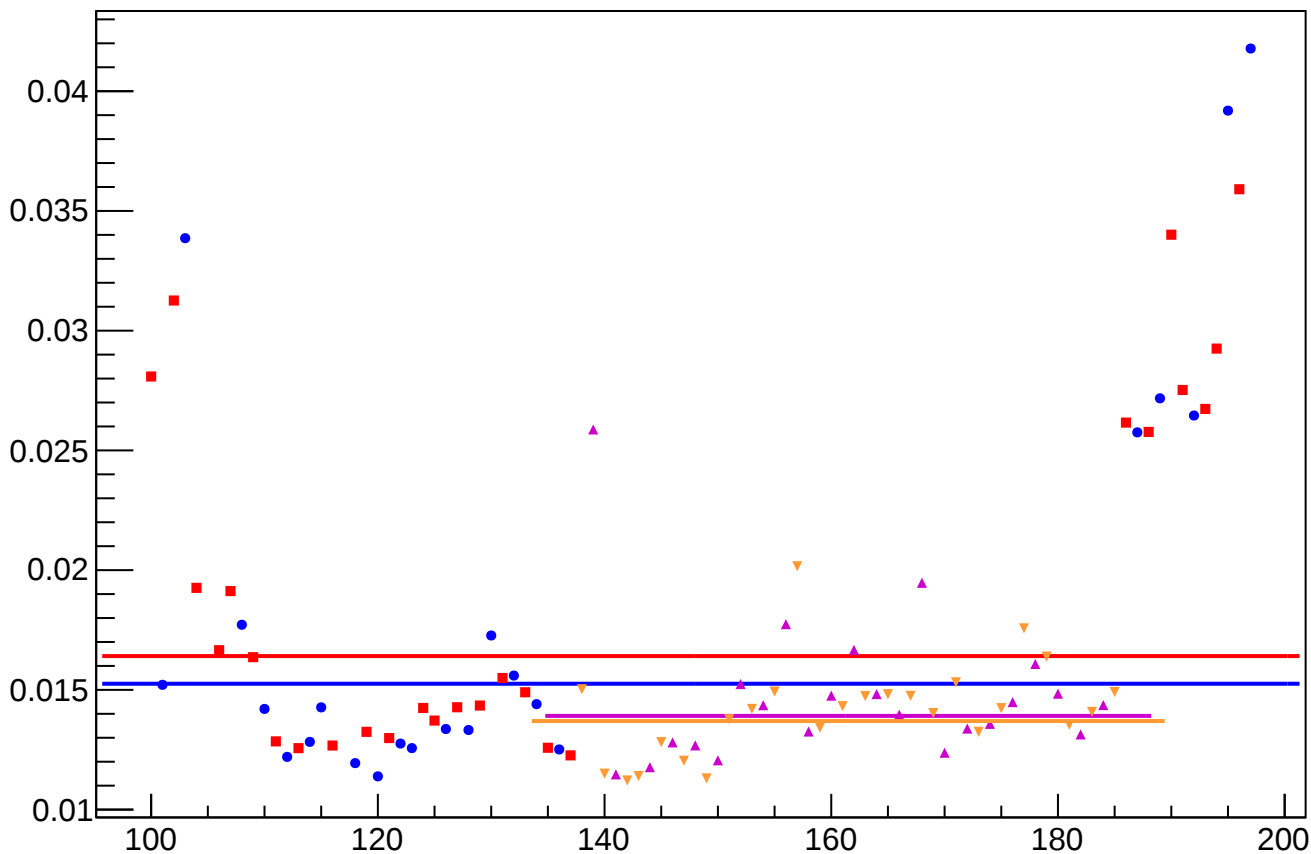
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF: 170806298.1/22

+ sign 0.795 $\pm$ 0.000 χ^2 /NDF: 1613055519.6/46

All: 0.792 $\pm$ 0.000 χ^2 /NDF: 3348690496.7/95

- sign 0.790 $\pm$ 0.000 χ^2 /NDF: 1734517041.6/48

yield_bpm11X_rms vs Slug



Right In: 0.015 ± 0.000 χ^2/NDF : 2314745.0/21

Left Out: 0.014 ± 0.000 χ^2/NDF : 530851.9/24

Right Out: 0.016 ± 0.000 χ^2/NDF : 2265351.9/25

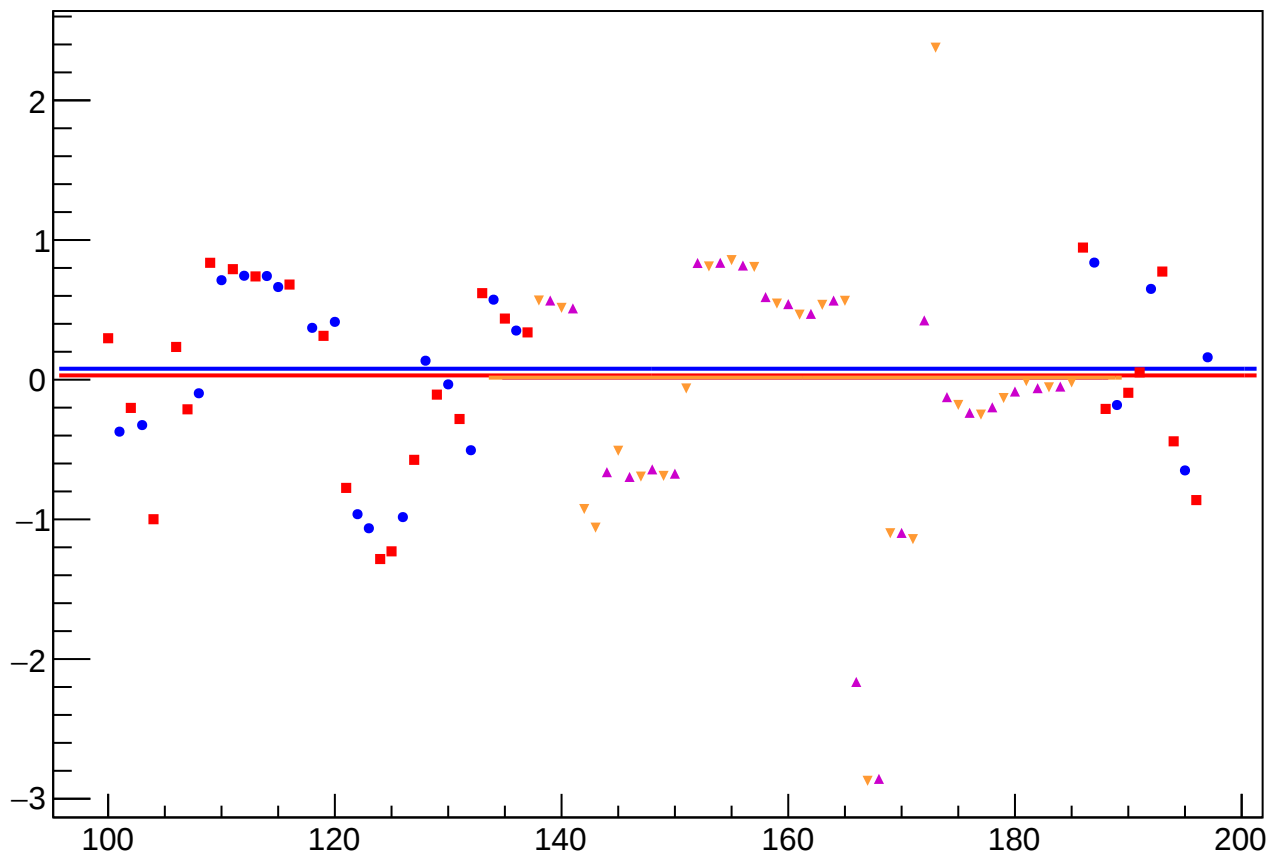
Left In: 0.014 ± 0.000 χ^2/NDF : 794558.0/22

+ sign 0.014 ± 0.000 χ^2/NDF : 2962045.1/46

All: 0.014 ± 0.000 χ^2/NDF : 6353722.9/95

- sign 0.015 ± 0.000 χ^2/NDF : 3359107.8/48

yield_bpm11Y_mean vs Slug



Right In: 0.079+/-0.000 χ^2/NDF : 12218790175.0/21

Left Out: 0.015+/-0.000 χ^2/NDF : 96087835995.8/24

Right Out: 0.031+/-0.000 χ^2/NDF : 22609521795.3/25

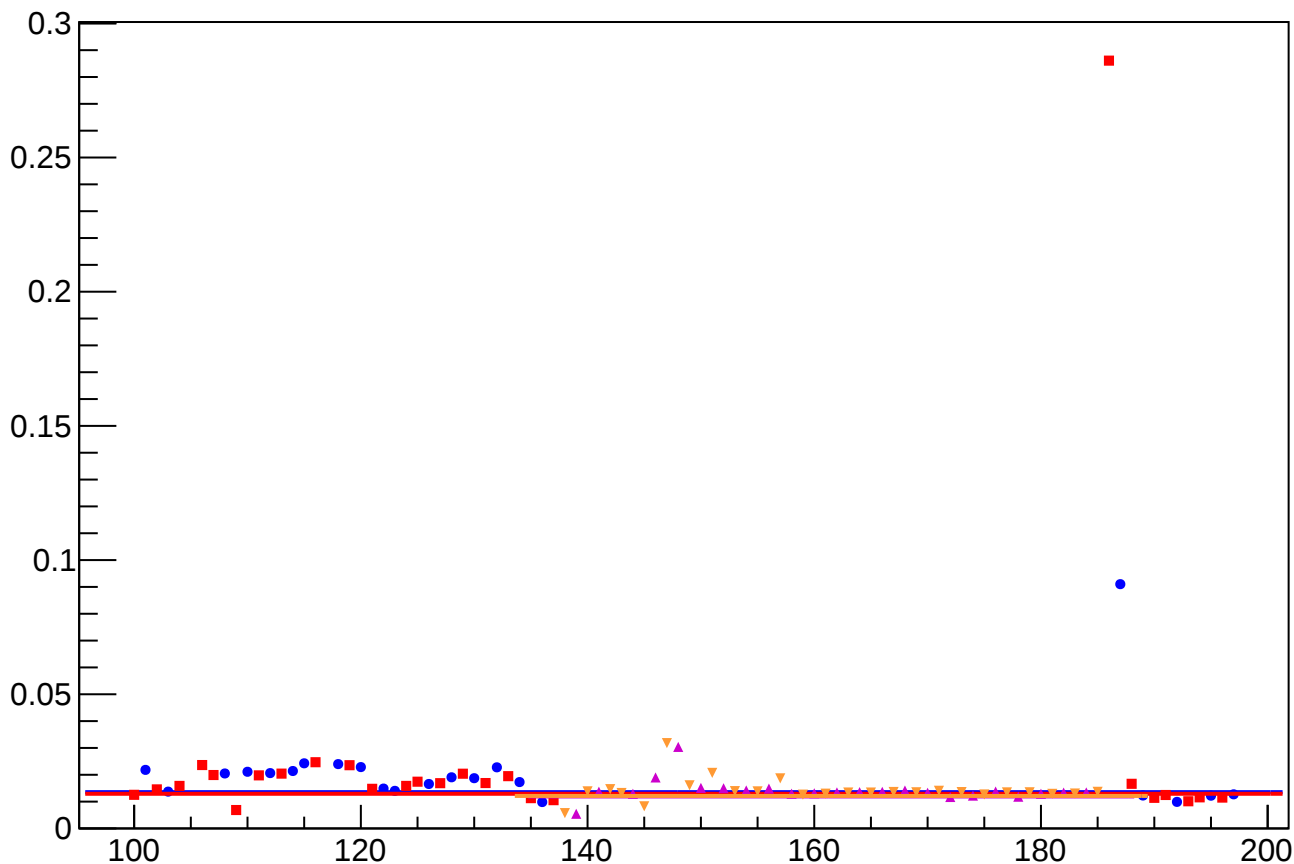
Left In: 0.013+/-0.000 χ^2/NDF : 79445696658.6/22

+ sign 0.033+/-0.000 χ^2/NDF : 108433527205.6/46

All: 0.026+/-0.000 χ^2/NDF : 210515056436.6

- sign 0.019+/-0.000 χ^2/NDF : 102066125012.1/48

yield_bpm11Y_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1776797.4/21

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2481275.8/25

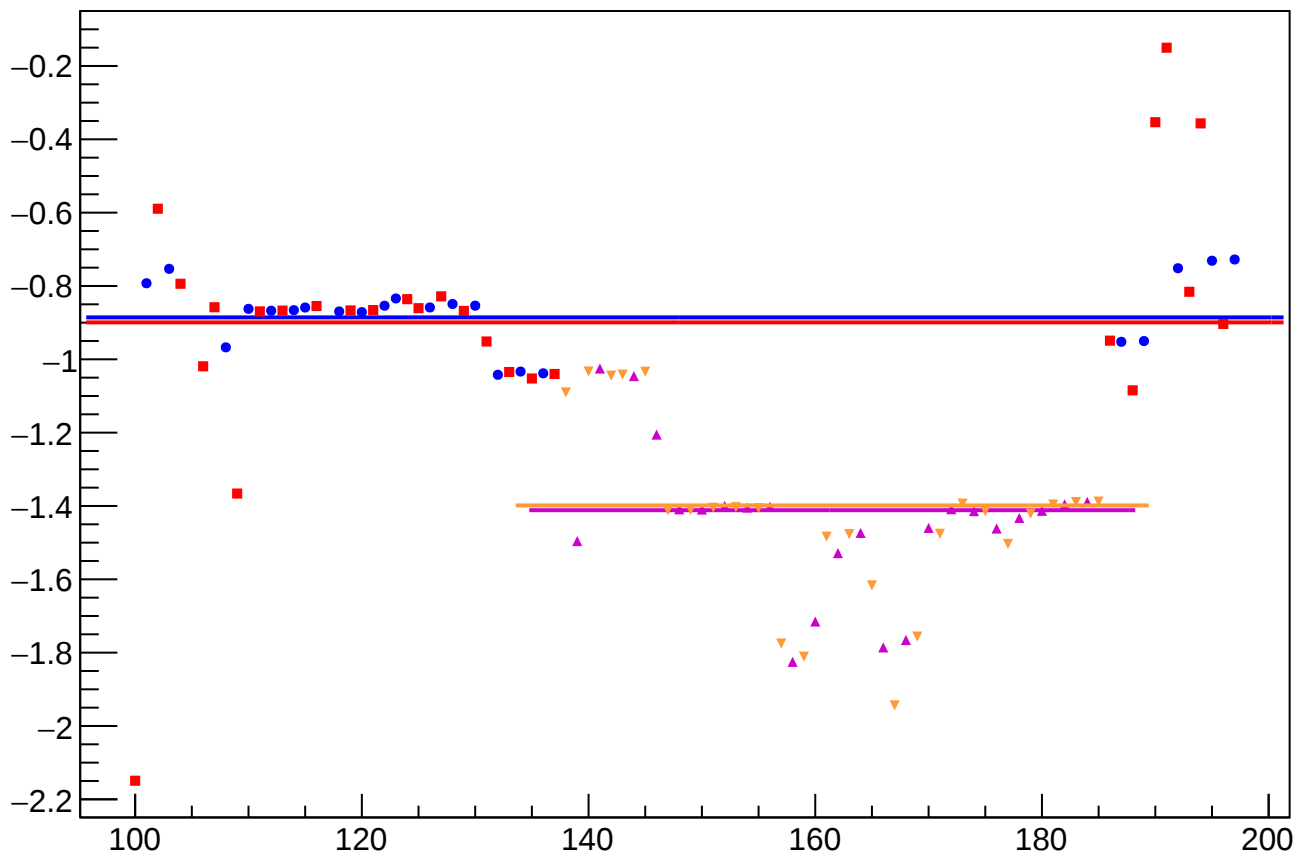
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 5009164.7/46

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10677258.9/95

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5657590.8/48

yield_bpm12X_mean vs Slug



Right In: -0.886+/-0.000 χ^2/NDF : 47872135.0/21

Left Out: -1.398+/-0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.899+/-0.000 χ^2/NDF : 242332932.1/25

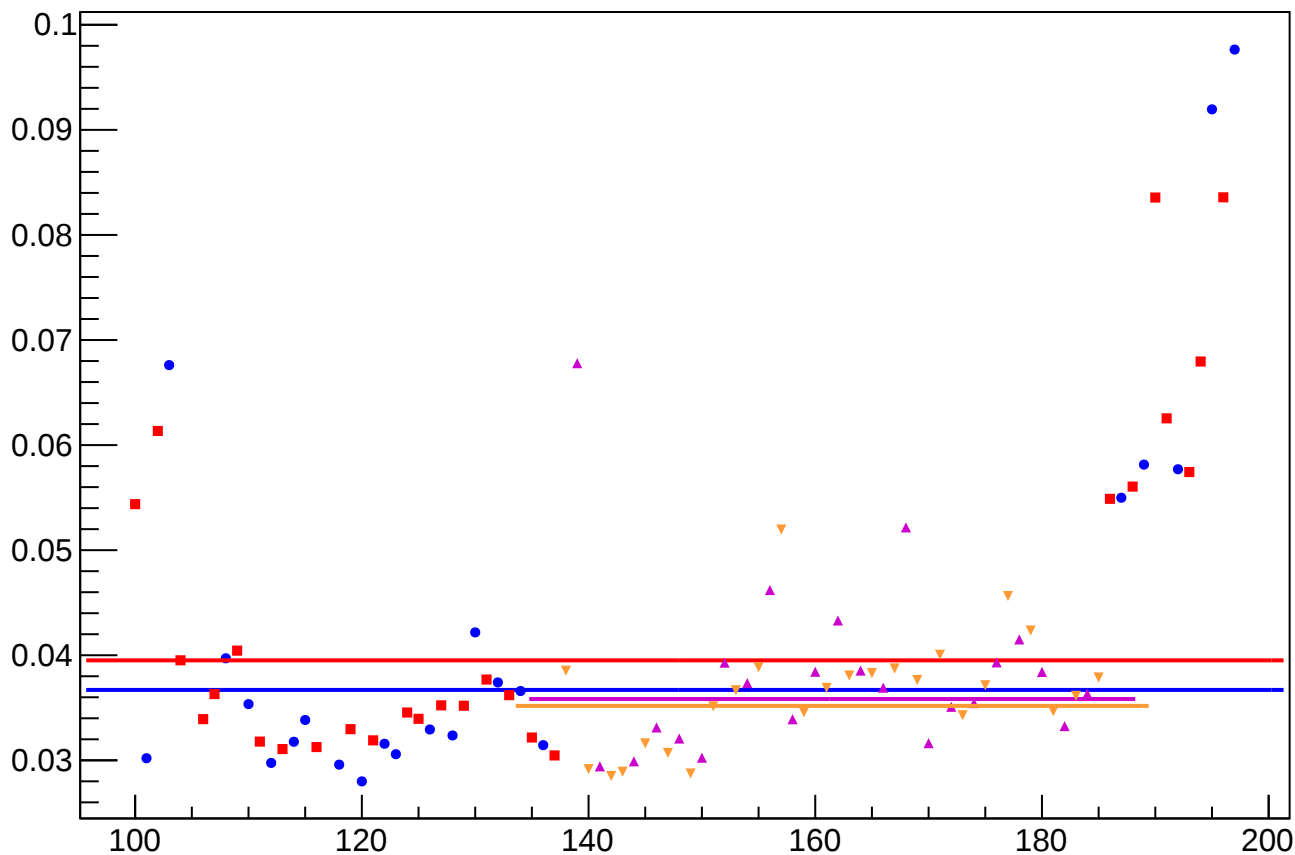
Left In: -1.412+/-0.000 χ^2/NDF : 512629872.4/22

+ sign -1.239+/-0.000 χ^2/NDF : 1842987006.4/46

All: -1.240+/-0.000 χ^2/NDF : 3649636435.3/9

- sign -1.240+/-0.000 χ^2/NDF : 1806642169.1/48

yield_bpm12X_rms vs Slug



Right In: 0.037 $\pm$ 0.000 χ^2 /NDF: 1989953.6/21

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.040 $\pm$ 0.000 χ^2 /NDF: 1764425.2/25

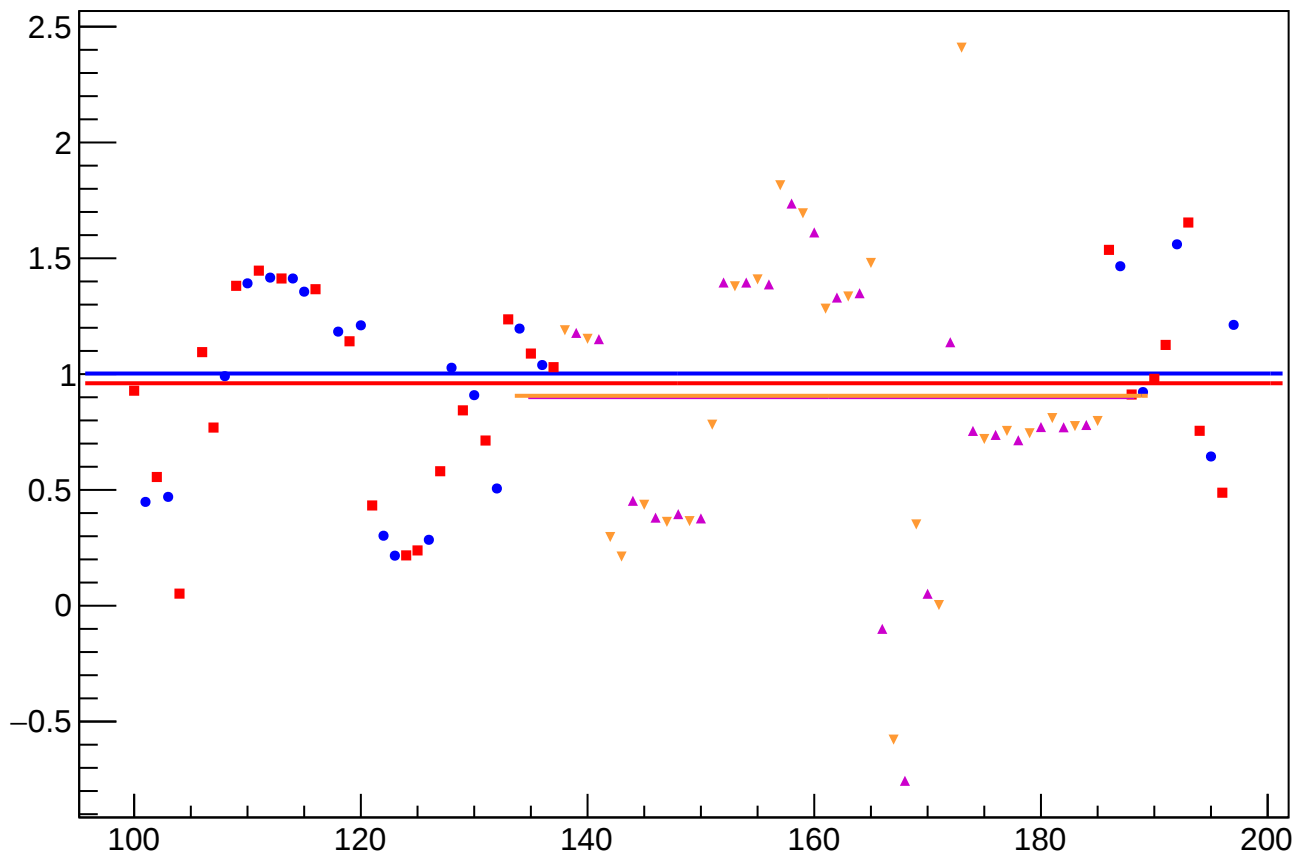
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 2606451.9/46

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 5407050.4/95

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 2763733.0/48

yield_bpm12Y_mean vs Slug



Right In: 1.003 $\pm$ 0.000 χ^2 /NDF: 14324928270.7/21

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 0.960 $\pm$ 0.000 χ^2 /NDF: 19188862603.9/25

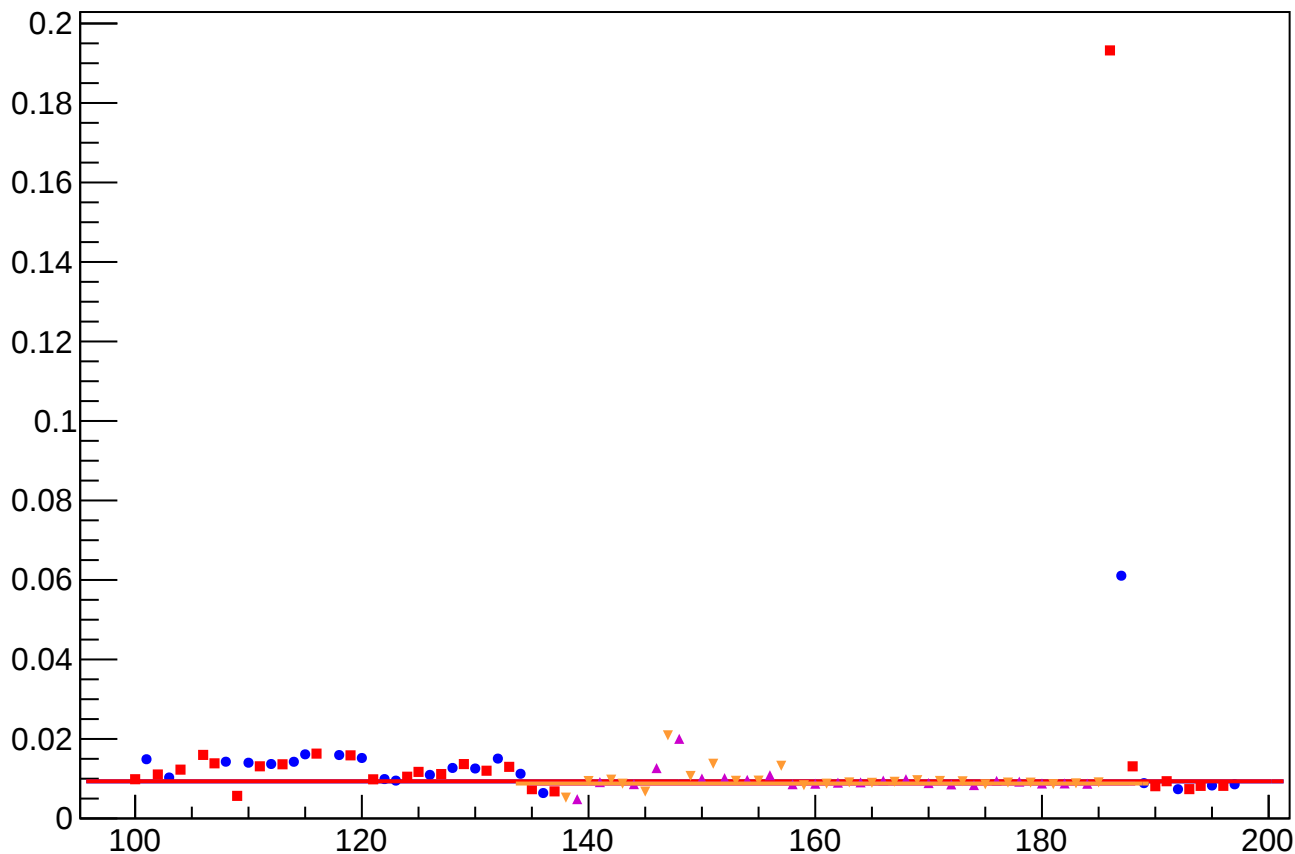
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 0.935 $\pm$ 0.000 χ^2 /NDF: 99038558028.9/46

All: 0.928 $\pm$ 0.000 χ^2 /NDF: 185441764413.0

- sign 0.921 $\pm$ 0.000 χ^2 /NDF: 86370247576.7/48

yield_bpm12Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1665955.4/21

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1698526.2/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2154978.4/25

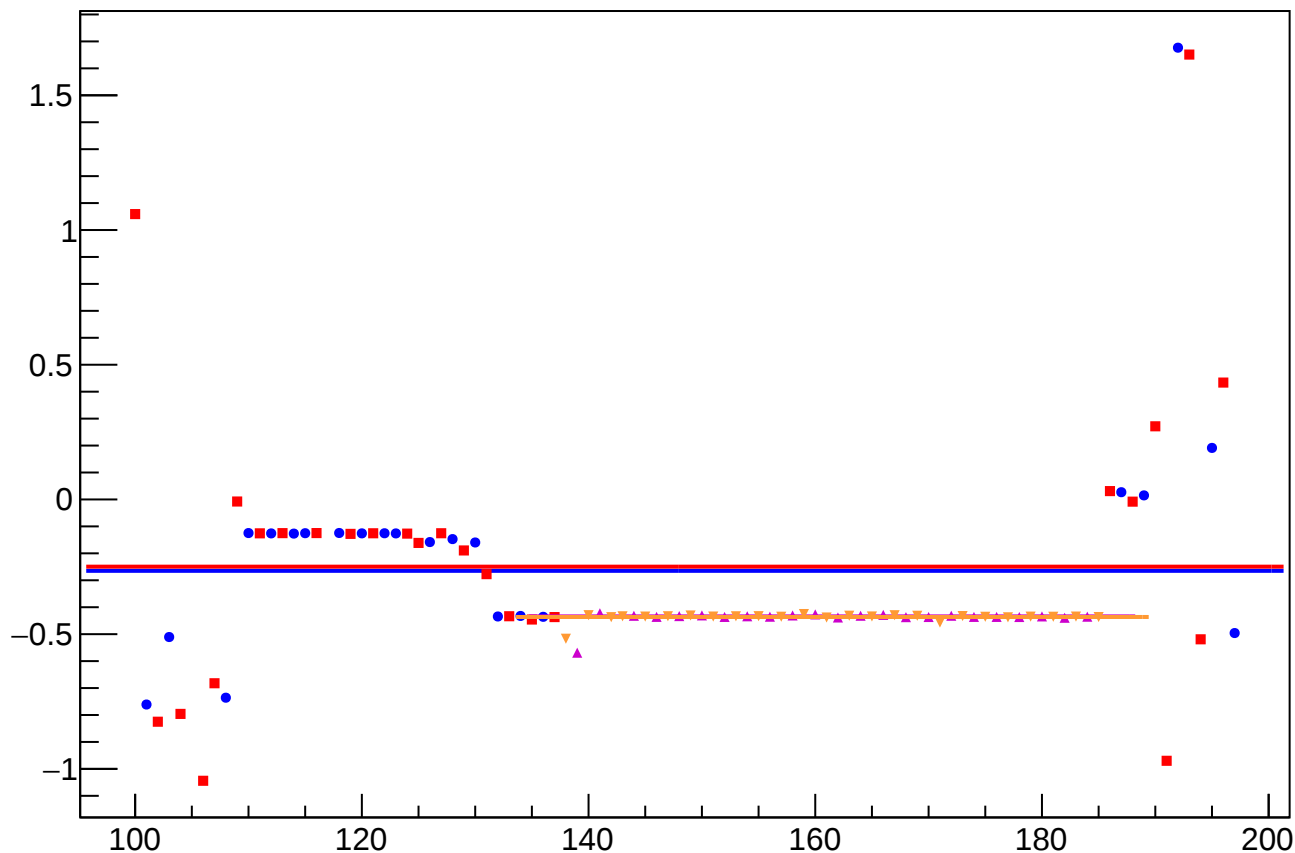
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669983.7/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3402024.4/46

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 7280158.8/95

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3878133.5/48

yield_bpm16X_mean vs Slug



Right In: -0.265 ± 0.000 $\chi^2/\text{NDF}: 1890691099.8/21$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28776503.9/24$

Right Out: -0.249 ± 0.000 $\chi^2/\text{NDF}: 1833080272.2/25$

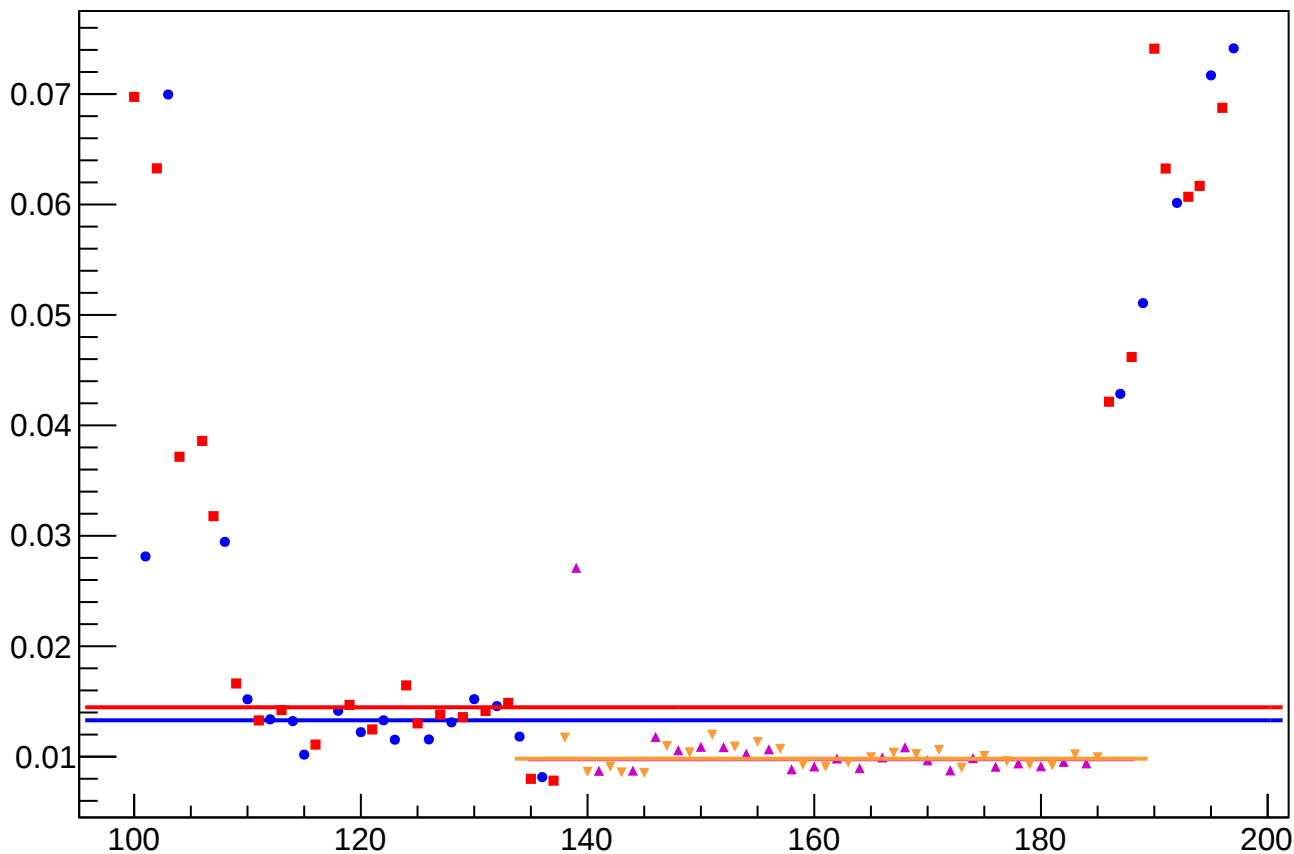
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 20164730.3/22$

+ sign -0.408 ± 0.000 $\chi^2/\text{NDF}: 2709110484.3/46$

All: -0.405 ± 0.000 $\chi^2/\text{NDF}: 5443604757.2/9$

- sign -0.403 ± 0.000 $\chi^2/\text{NDF}: 2732226561.3/48$

yield_bpm16X_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 5458411.4/21

Left Out: 0.010 ± 0.000 χ^2/NDF : 271172.3/24

Right Out: 0.014 ± 0.000 χ^2/NDF : 6657151.4/25

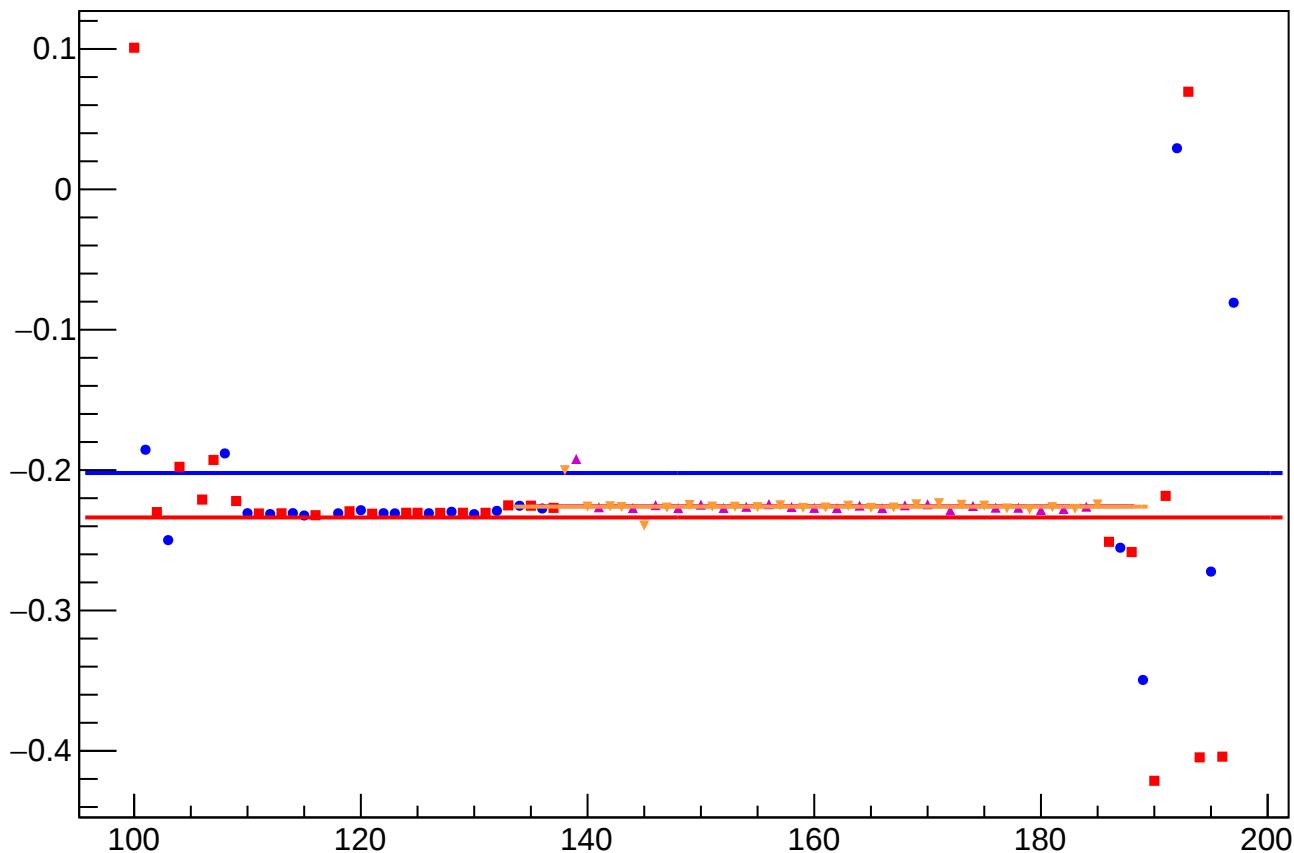
Left In: 0.010 ± 0.000 χ^2/NDF : 786577.8/22

+ sign 0.010 ± 0.000 χ^2/NDF : 6381432.3/46

All: 0.010 ± 0.000 χ^2/NDF : 14971320.5/95

- sign 0.011 ± 0.000 χ^2/NDF : 8584266.0/48

yield_bpm16Y_mean vs Slug



Right In: -0.202+/-0.000 χ^2/NDF : 2259141895.0/21

Left Out: -0.226+/-0.000 χ^2/NDF : 21207366.3/24

Right Out: -0.234+/-0.000 χ^2/NDF : 3882913070.5/25

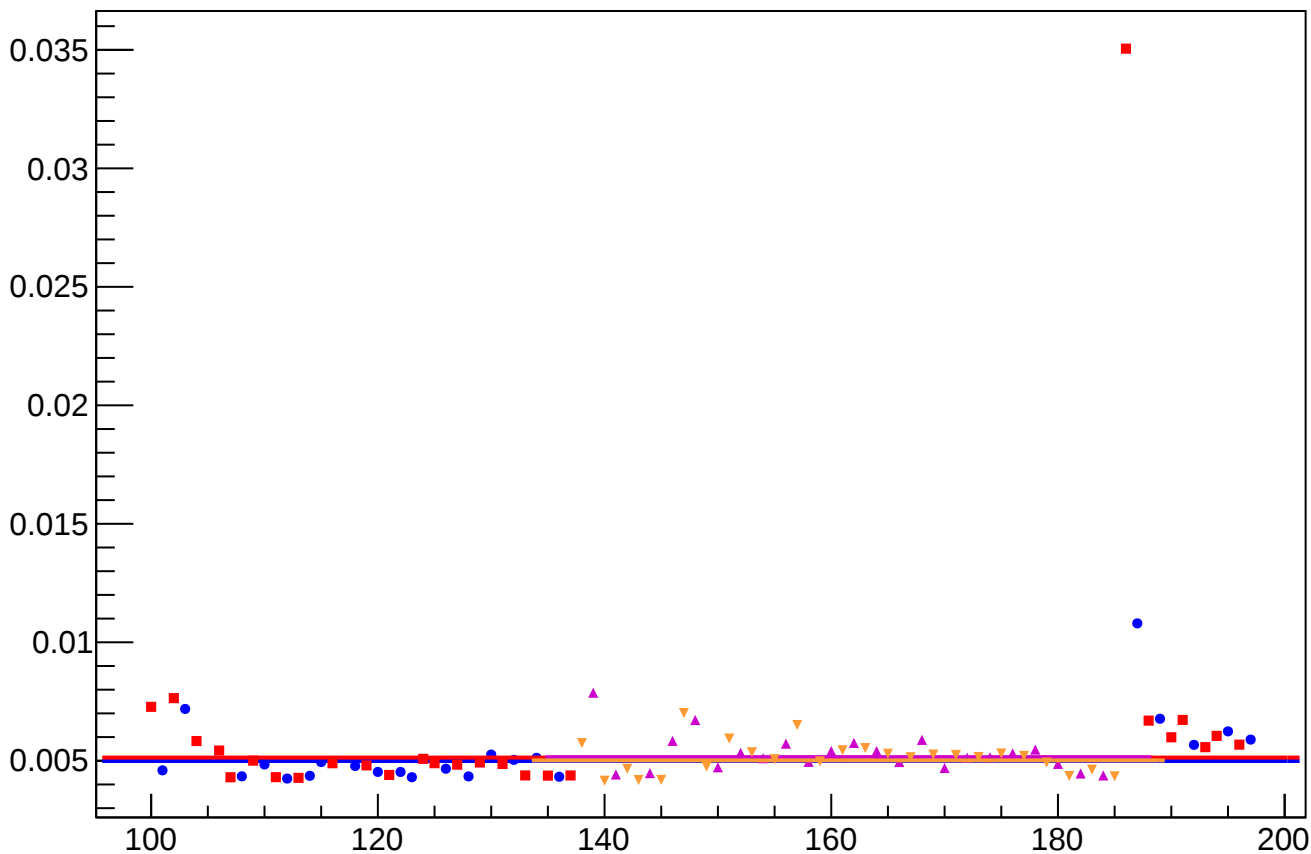
Left In: -0.226+/-0.000 χ^2/NDF : 13717302.5/22

+ sign -0.218+/-0.000 χ^2/NDF : 2413186400.1/46

All: -0.223+/-0.000 χ^2/NDF : 6384320929.5/9

- sign -0.229+/-0.000 χ^2/NDF : 3911591046.0/48

yield_bpm16Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 490177.8/21

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:532623.0/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1023662.6/25

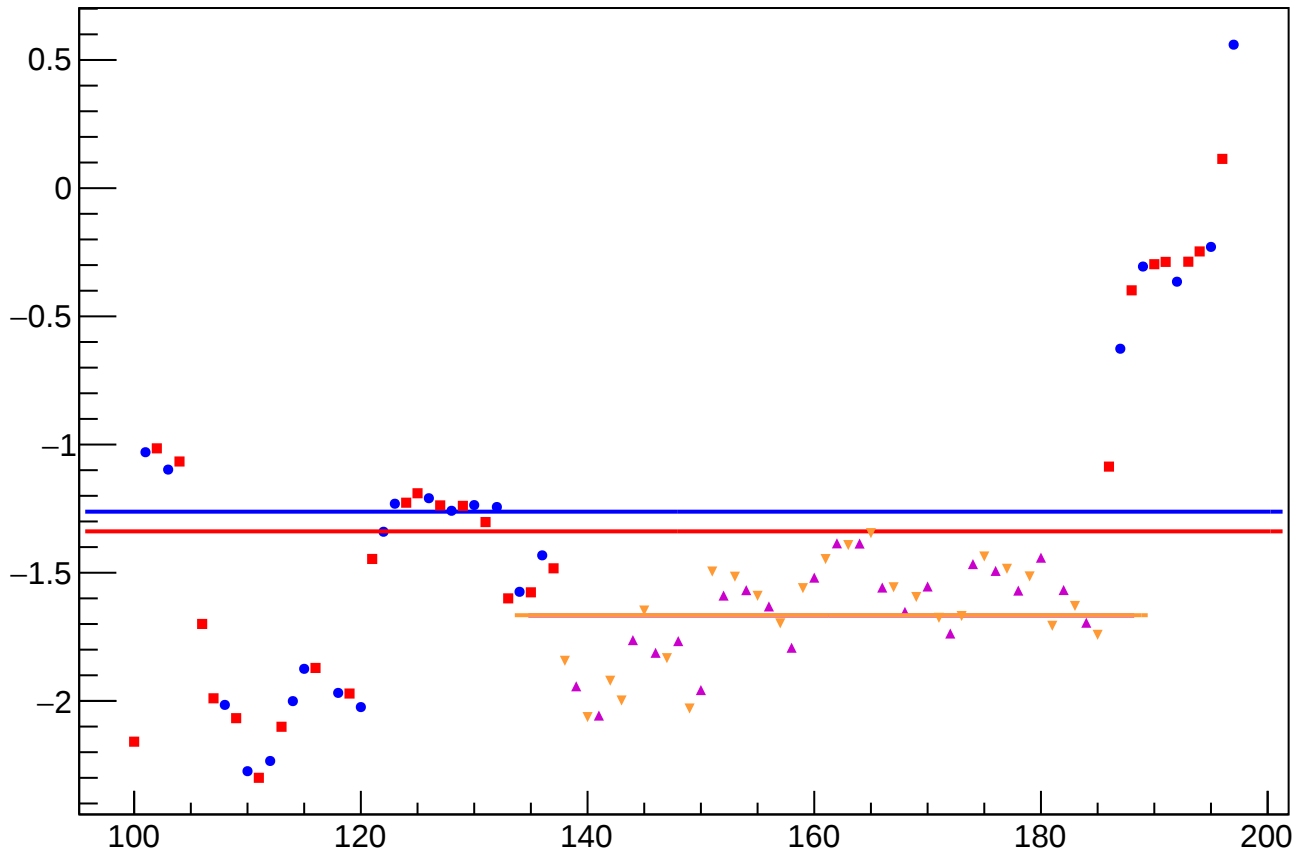
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:504040.6/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1023101.9/46

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 2569822.7/95

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1527807.8/48

yield_bpm0l01X_mean vs Slug



Right In: -1.262+/-0.000 χ^2/NDF : 70653127885.2/21

Left Out: -1.666+/-0.000 χ^2/NDF : 18368038680.8/24

Right Out: -1.339+/-0.000 χ^2/NDF : 89304131721.2/25

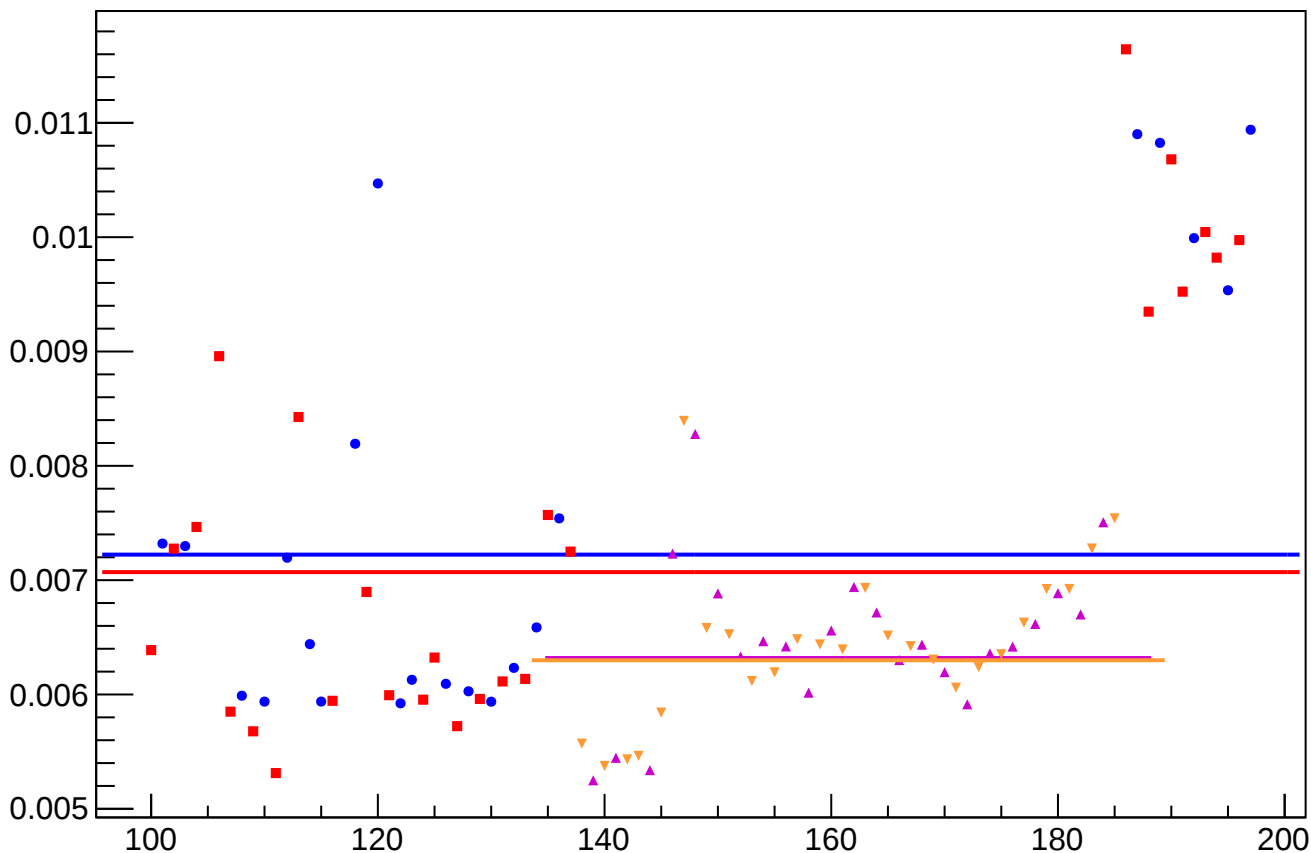
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.555+/-0.000 χ^2/NDF : 108758804192.4/46

All: -1.557+/-0.000 χ^2/NDF : 227441506548.4

- sign -1.558+/-0.000 χ^2/NDF : 118679486292.6/48

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 823580.4/21

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:312811.2/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 1102915.4/25

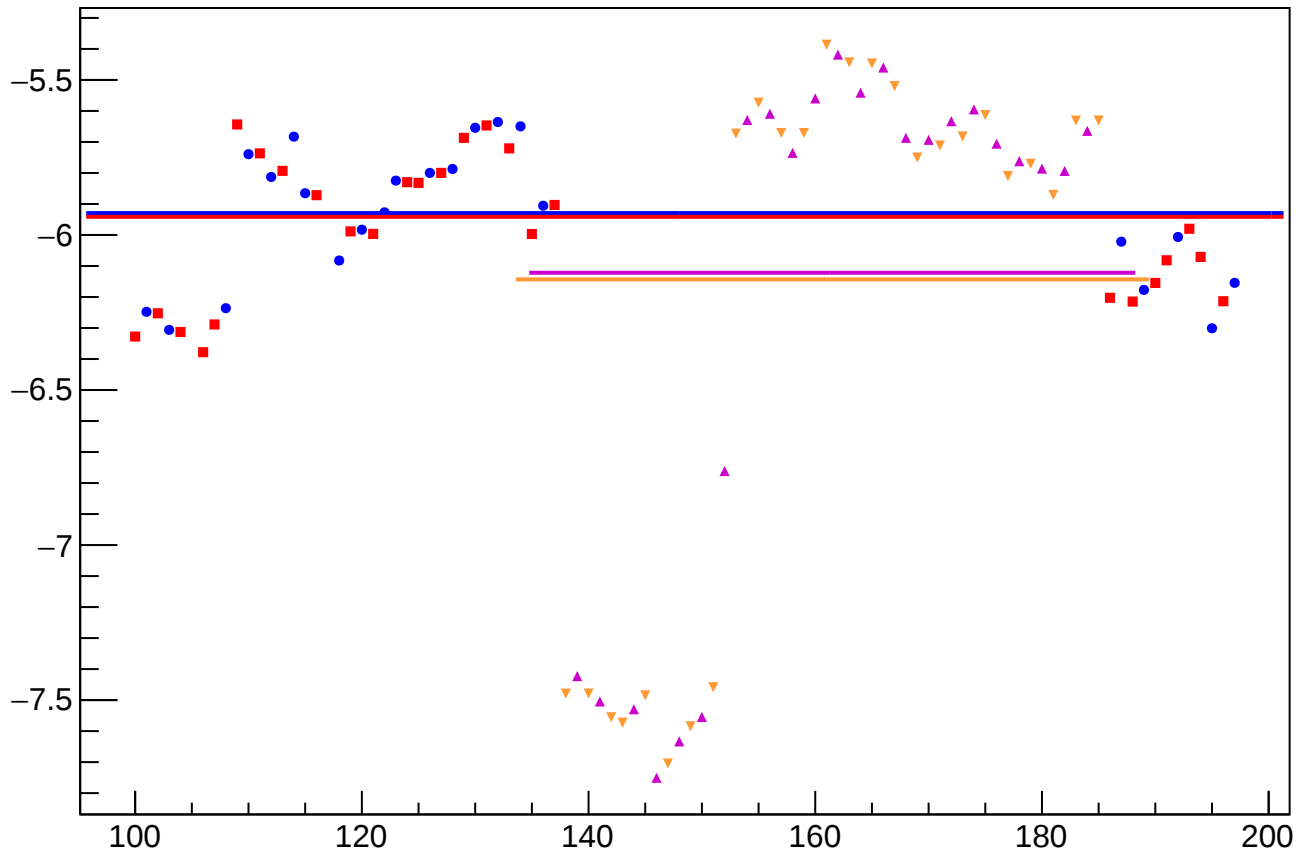
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:334332.4/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1342992.2/46

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 2935157.6/95

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1592027.7/48

yield_bpm0l01Y_mean vs Slug



Right In: -5.929+/-0.000 χ^2/NDF : 12278669346.8/21

Left Out: -6.143+/-0.000 χ^2/NDF : 185721259239.3/24

Right Out: -5.941+/-0.000 χ^2/NDF : 14043358792.1/25

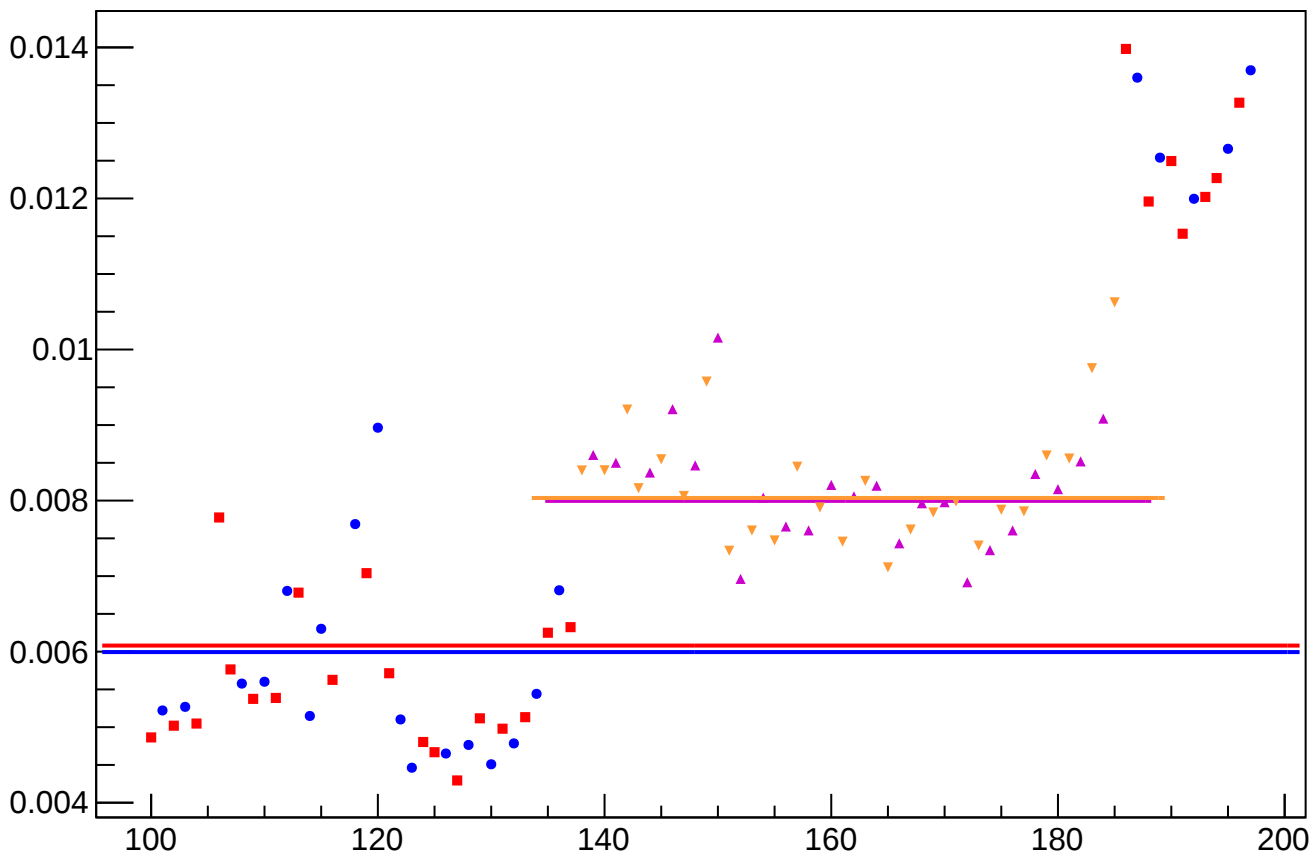
Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.045+/-0.000 χ^2/NDF : 203420927745.6/46

All: -6.038+/-0.000 χ^2/NDF : 381469104034.9

- sign -6.032+/-0.000 χ^2/NDF : 178004637285.5/48

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2146469.0/21

Left Out: 0.008+/-0.000 χ^2/NDF : 205976.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 2608394.2/25

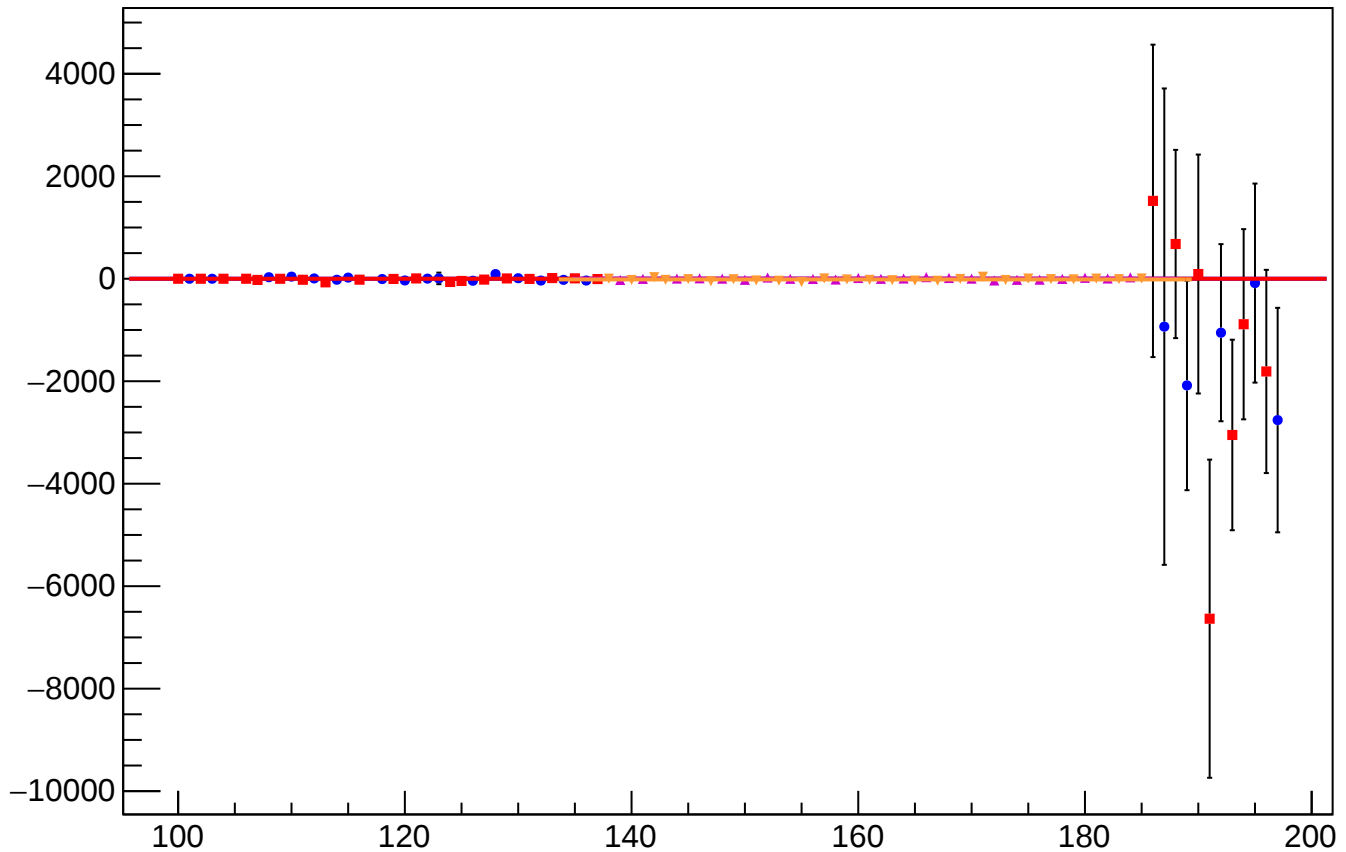
Left In: 0.008+/-0.000 χ^2/NDF : 220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 3339589.8/46

All: 0.007+/-0.000 χ^2/NDF : 7083714.2/95

- sign 0.007+/-0.000 χ^2/NDF : 3742478.0/48

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 19.3/21

Left Out: -13.472+/-2.796 χ^2/NDF : 58.5/24

Right Out: 0.003+/-0.016 χ^2/NDF : 23.6/25

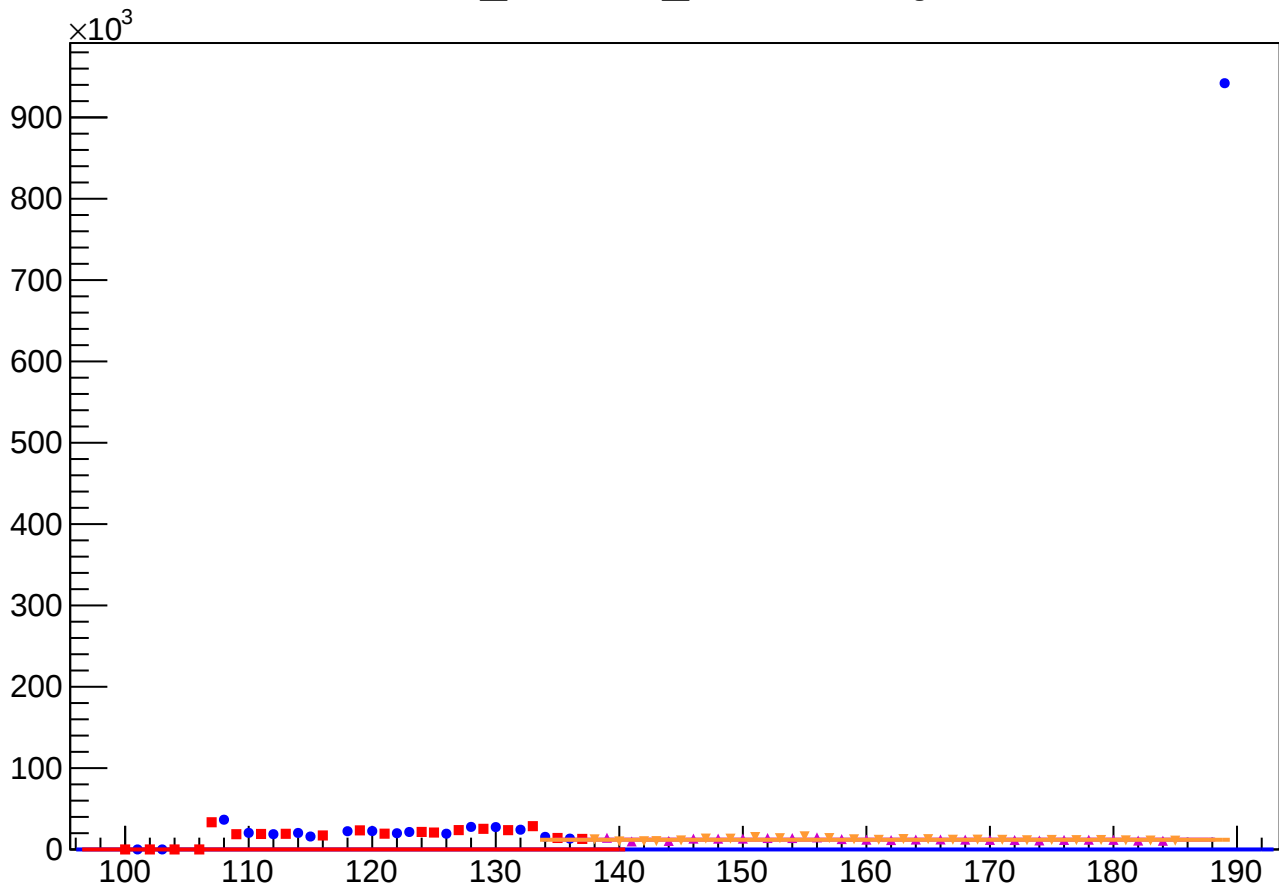
Left In: -0.489+/-2.905 χ^2/NDF : 28.7/22

+ sign 0.013+/-0.017 χ^2/NDF : 101.1/46

All: 0.008+/-0.012 χ^2/NDF : 153.6/95

- sign 0.003+/-0.016 χ^2/NDF : 52.4/48

diff_cav4bX_rms vs Slug



Right In: 18.640 $\pm$ 0.012 χ^2 /NDF: 10982766.4/17

Left Out: 11909.835 $\pm$ 1.977 χ^2 /NDF: 475310.2/24

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11056055.0/18

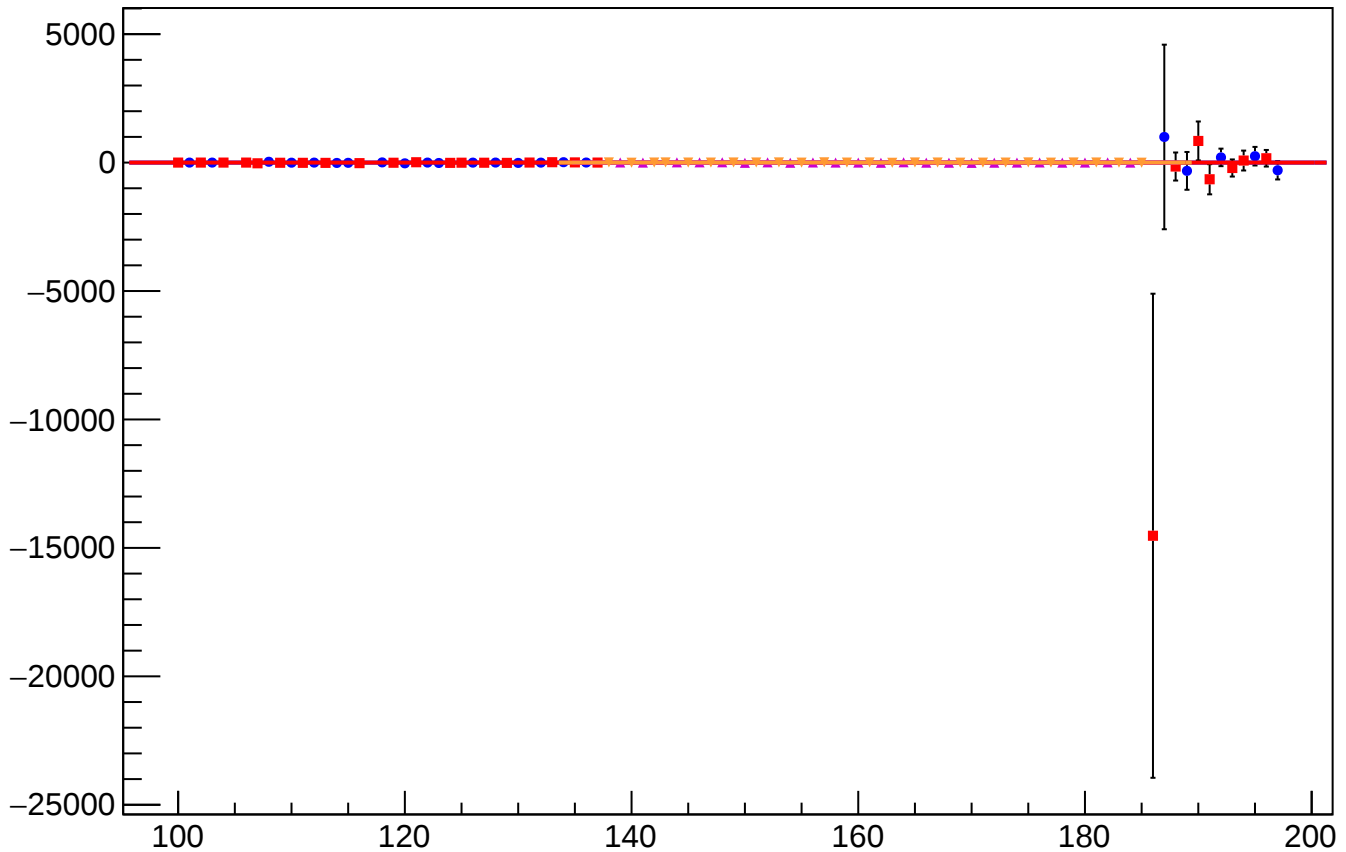
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ sign 19.097 $\pm$ 0.012 χ^2 /NDF: 47623008.9/42

All: 18.873 $\pm$ 0.008 χ^2 /NDF: 93432232.0/84

- sign 18.680 $\pm$ 0.011 χ^2 /NDF: 45808598.7/41

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 16.4/21

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.2/25

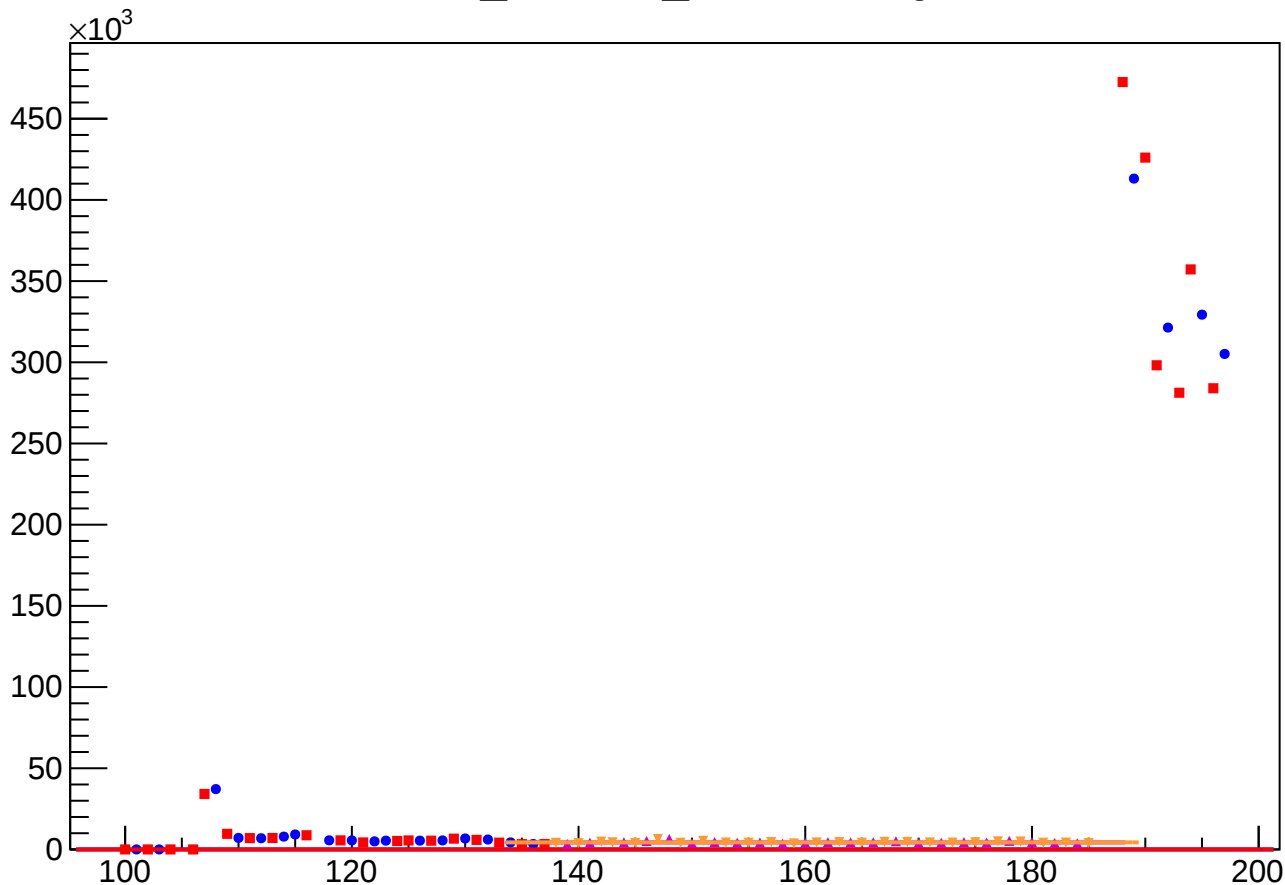
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 37.0/46

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 98.7/95

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 60.5/48

diff_cav4bY_rms vs Slug



Right In: 9.938 ± 0.007 χ^2/NDF : 16427657.8/20

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.855 ± 0.006 χ^2/NDF : 18400719.5/24

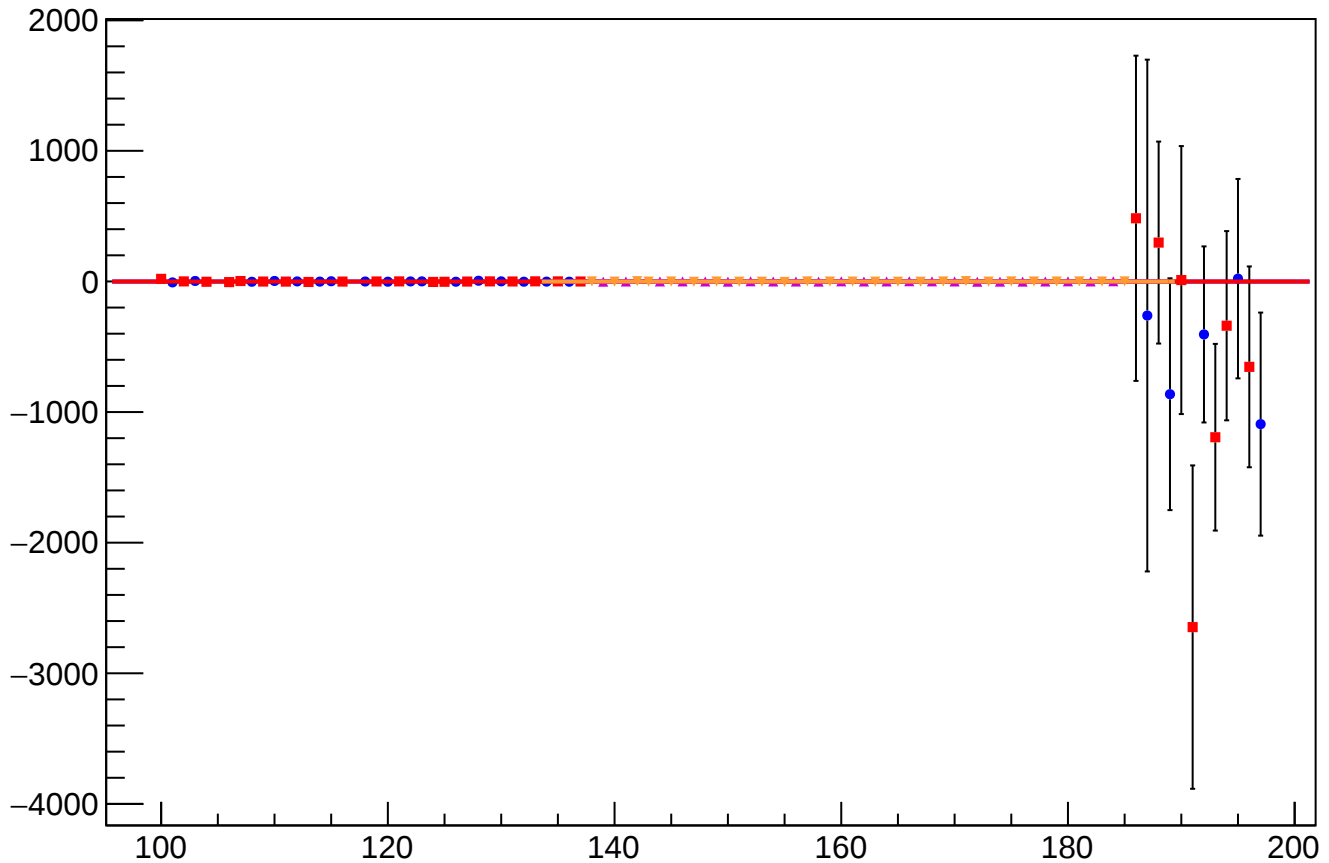
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.291 ± 0.007 χ^2/NDF : 52955643.2/45

All: 10.216 ± 0.004 χ^2/NDF : 105954262.0/93

- sign 10.151 ± 0.006 χ^2/NDF : 52998372.7/47

diff_cav4cX_mean vs Slug



Right In: -0.703 ± 0.485 χ^2/NDF : 25.5/21

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.762 ± 0.502 χ^2/NDF : 20.4/25

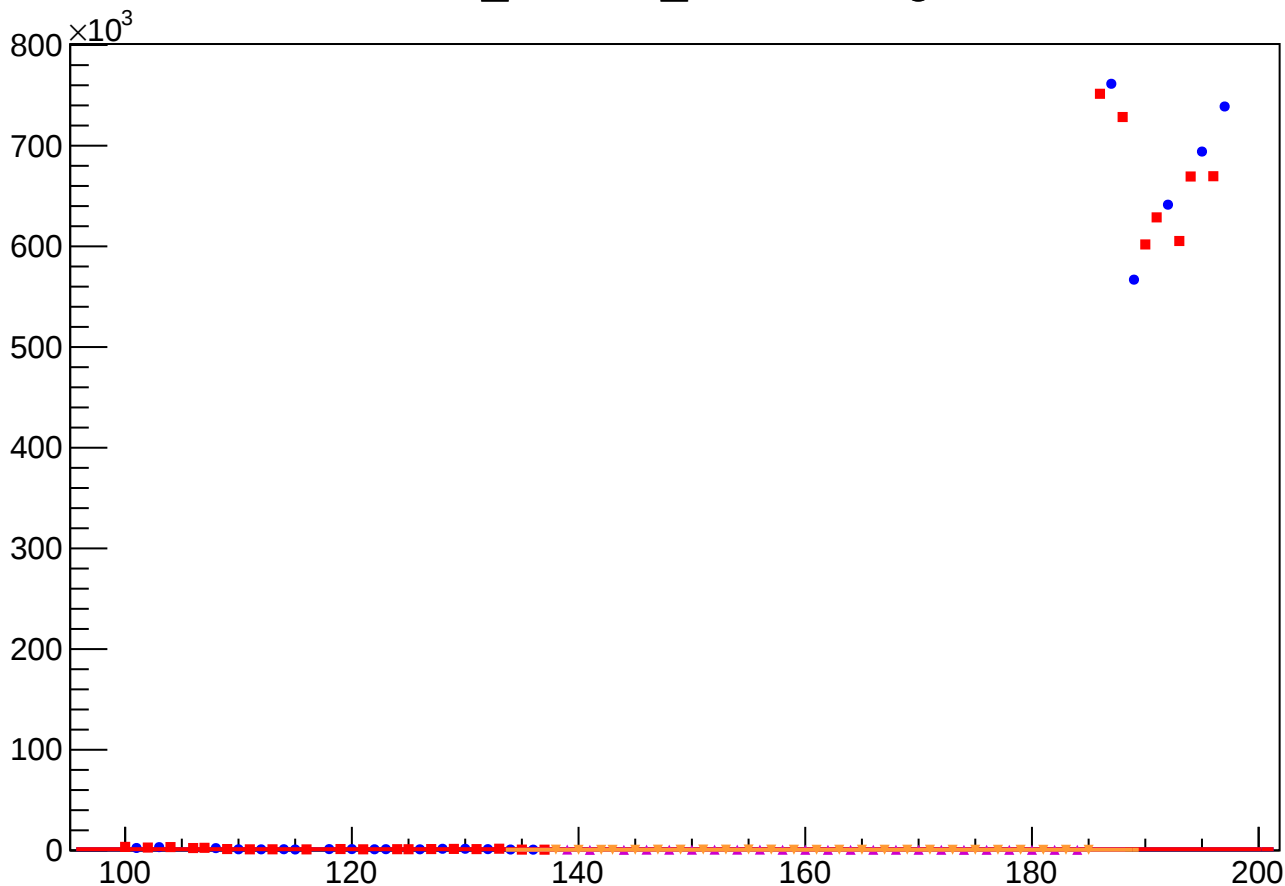
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 83.8/46

All: -0.444 ± 0.112 χ^2/NDF : 144.3/95

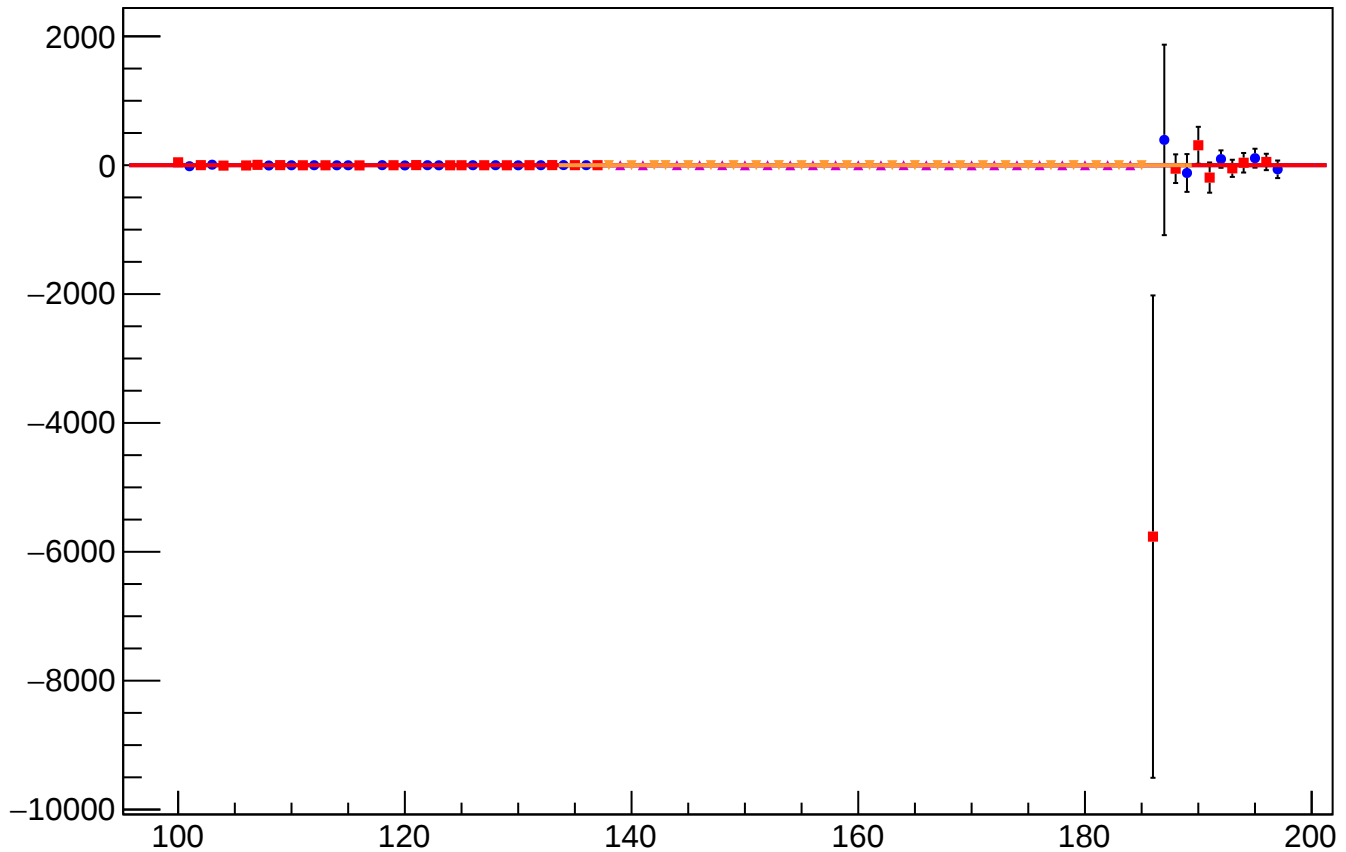
- sign -0.097 ± 0.161 χ^2/NDF : 51.5/48

diff_cav4cX_rms vs Slug



Right In: 1165.275+/-0.343 χ^2/NDF : 7638308.2/21 + sign 748.612+/-0.110 χ^2/NDF : 9676238.0/46
 Left Out: 700.797+/-0.116 χ^2/NDF : 392521.4/24 All: 755.536+/-0.079 χ^2/NDF : 22062075.8/95
 Right Out: 1250.844+/-0.355 χ^2/NDF : 9934265.2/25 - sign 762.960+/-0.114 χ^2/NDF : 12377631.4/48
 Left In: 706.950+/-0.120 χ^2/NDF : 338177.1/22

diff_cav4cY_mean vs Slug



Right In: -0.059 ± 0.271 χ^2/NDF : 22.4/21

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.245 ± 0.265 χ^2/NDF : 25.3/25

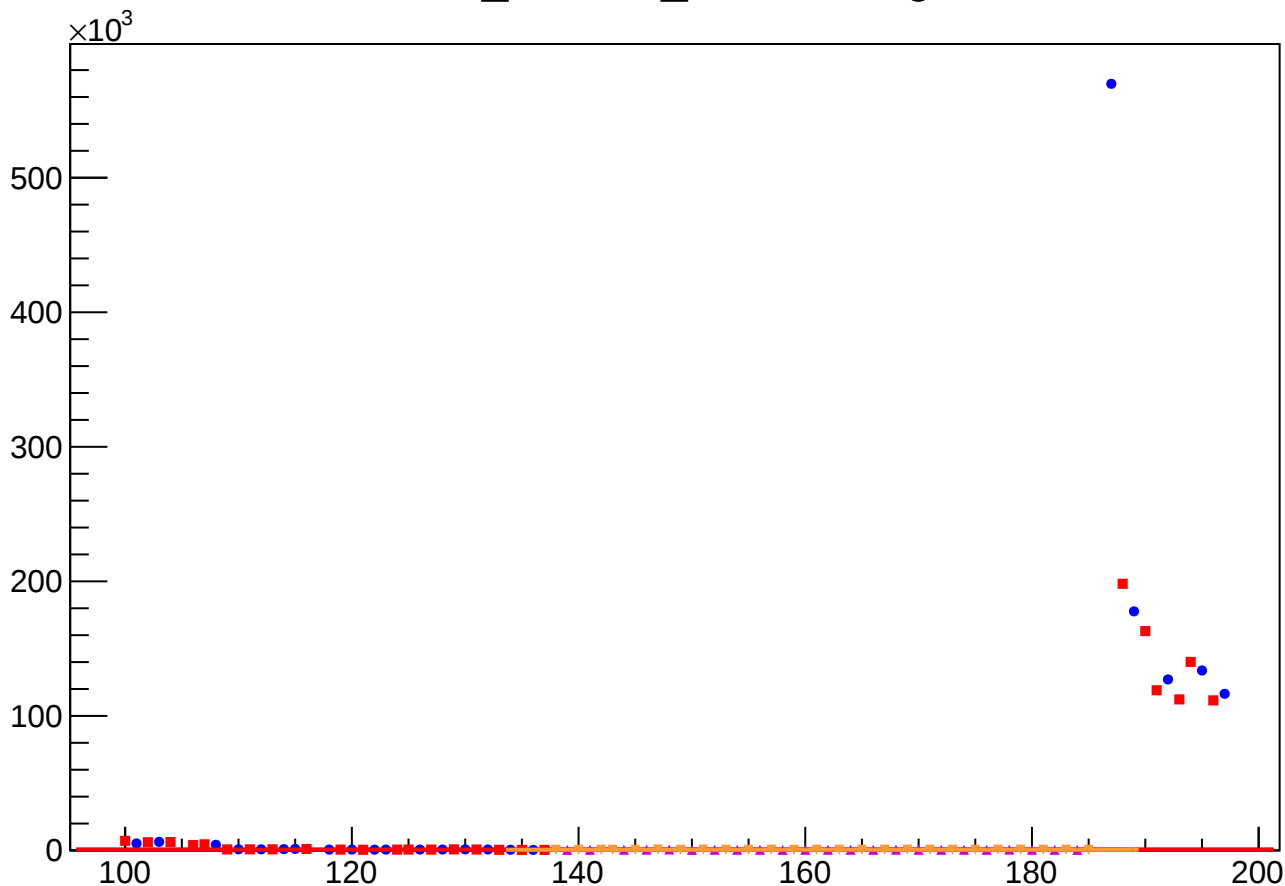
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.186 ± 0.112 χ^2/NDF : 41.0/46

All: 0.163 ± 0.080 χ^2/NDF : 101.6/95

- sign 0.139 ± 0.113 χ^2/NDF : 60.5/48

diff_cav4cY_rms vs Slug



Right In: 610.176 $\pm$ 0.191 χ^2 /NDF: 9008177.5/21

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 601.635 $\pm$ 0.187 χ^2 /NDF: 10902382.3/24

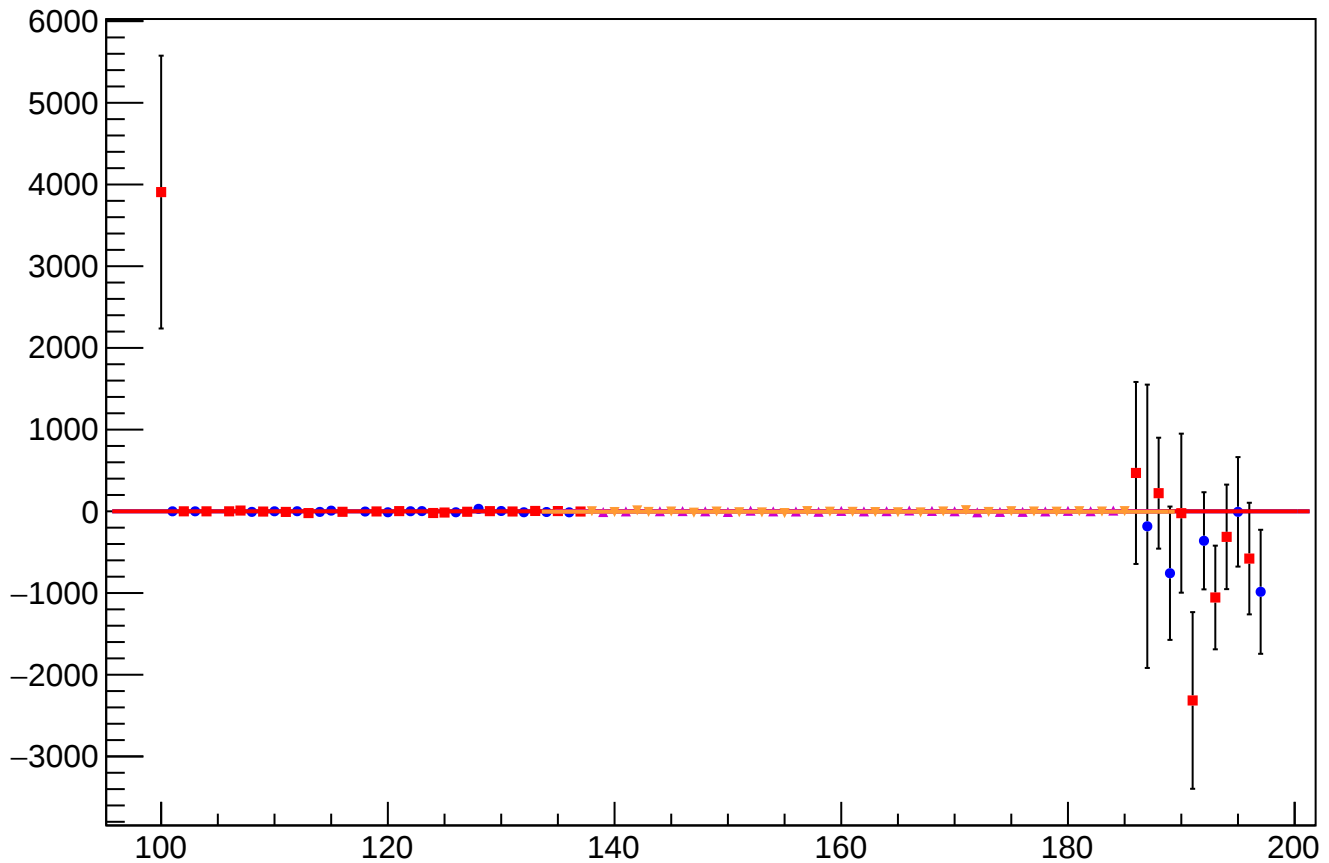
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 537.342 $\pm$ 0.079 χ^2 /NDF: 9514379.6/46

All: 536.138 $\pm$ 0.056 χ^2 /NDF: 21017504.1/94

- sign 534.894 $\pm$ 0.080 χ^2 /NDF: 11502650.9/47

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 18.6/21

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 25.4/25

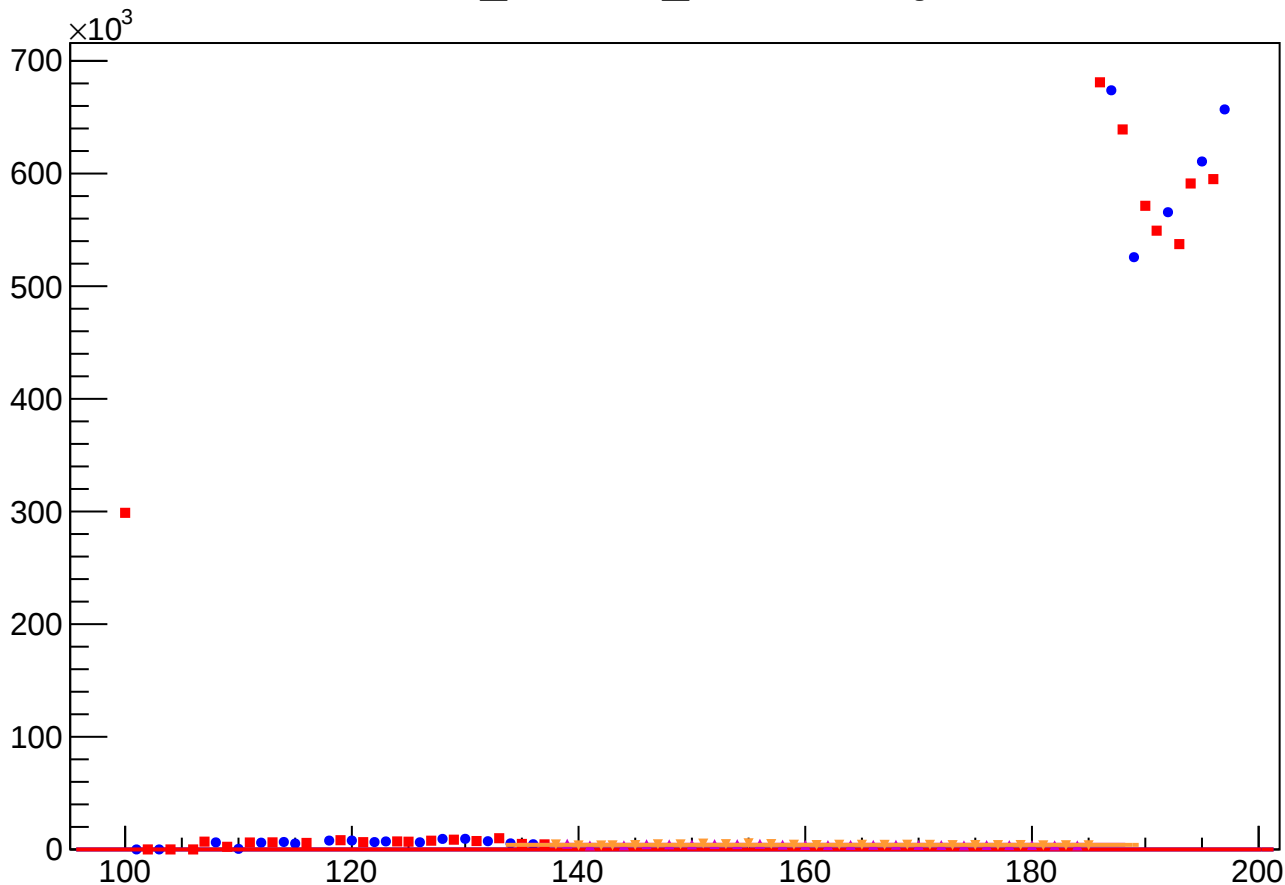
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 98.5/46

All: -0.025 ± 0.014 χ^2/NDF : 153.2/95

- sign -0.027 ± 0.020 χ^2/NDF : 54.7/48

diff_cav4dX_rms vs Slug



Right In: 17.338 $\pm$ 0.015 χ^2 /NDF: 16418112.9/21

Left Out: 4074.257 $\pm$ 0.676 χ^2 /NDF:416916.0/24

Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 19124082.2/25

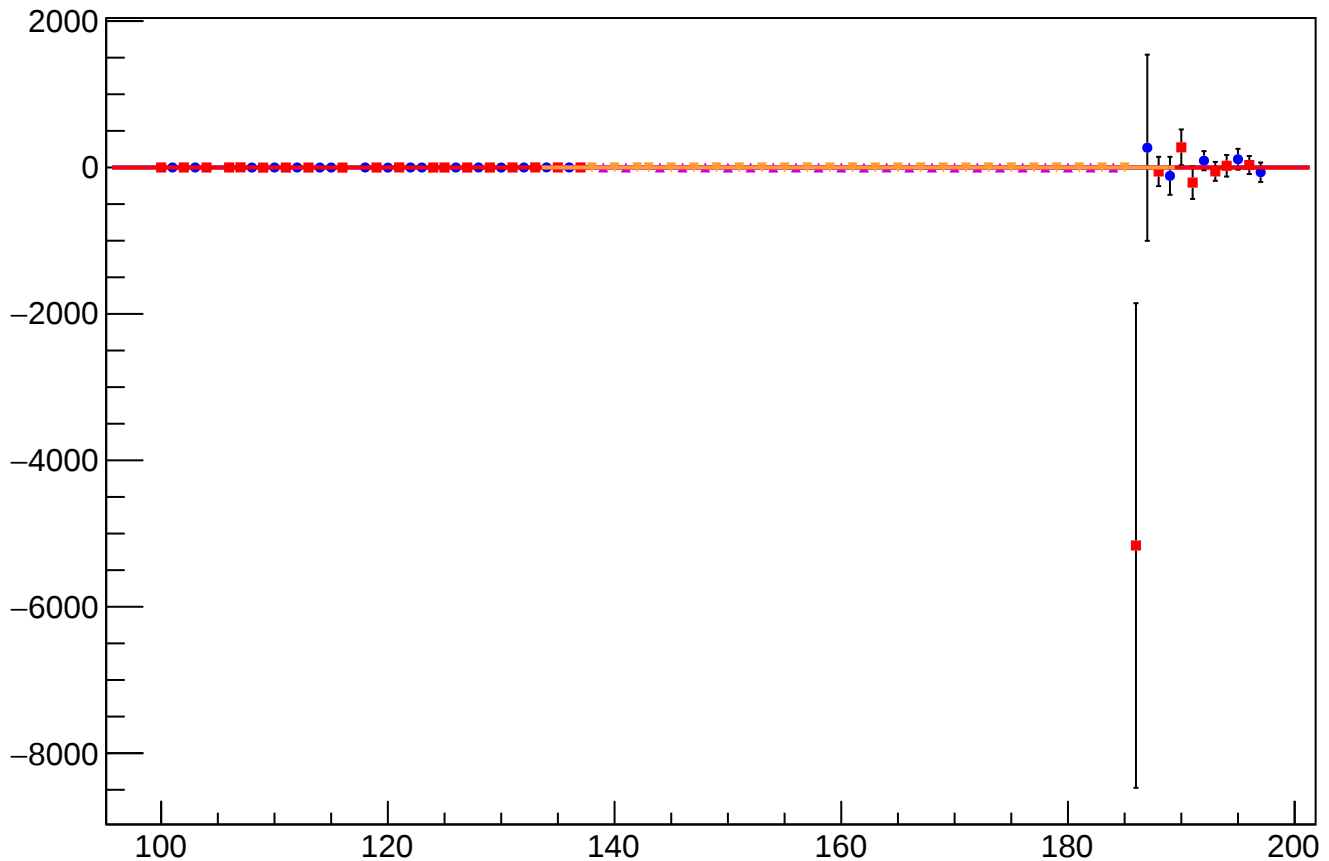
Left In: 4113.744 $\pm$ 0.700 χ^2 /NDF:354965.8/22

+ sign 19.258 $\pm$ 0.015 χ^2 /NDF: 52868225.5/46

All: 19.072 $\pm$ 0.010 χ^2 /NDF: 106564398.6/95

- sign 18.903 $\pm$ 0.014 χ^2 /NDF: 53695867.4/48

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 16.9/21

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.0/25

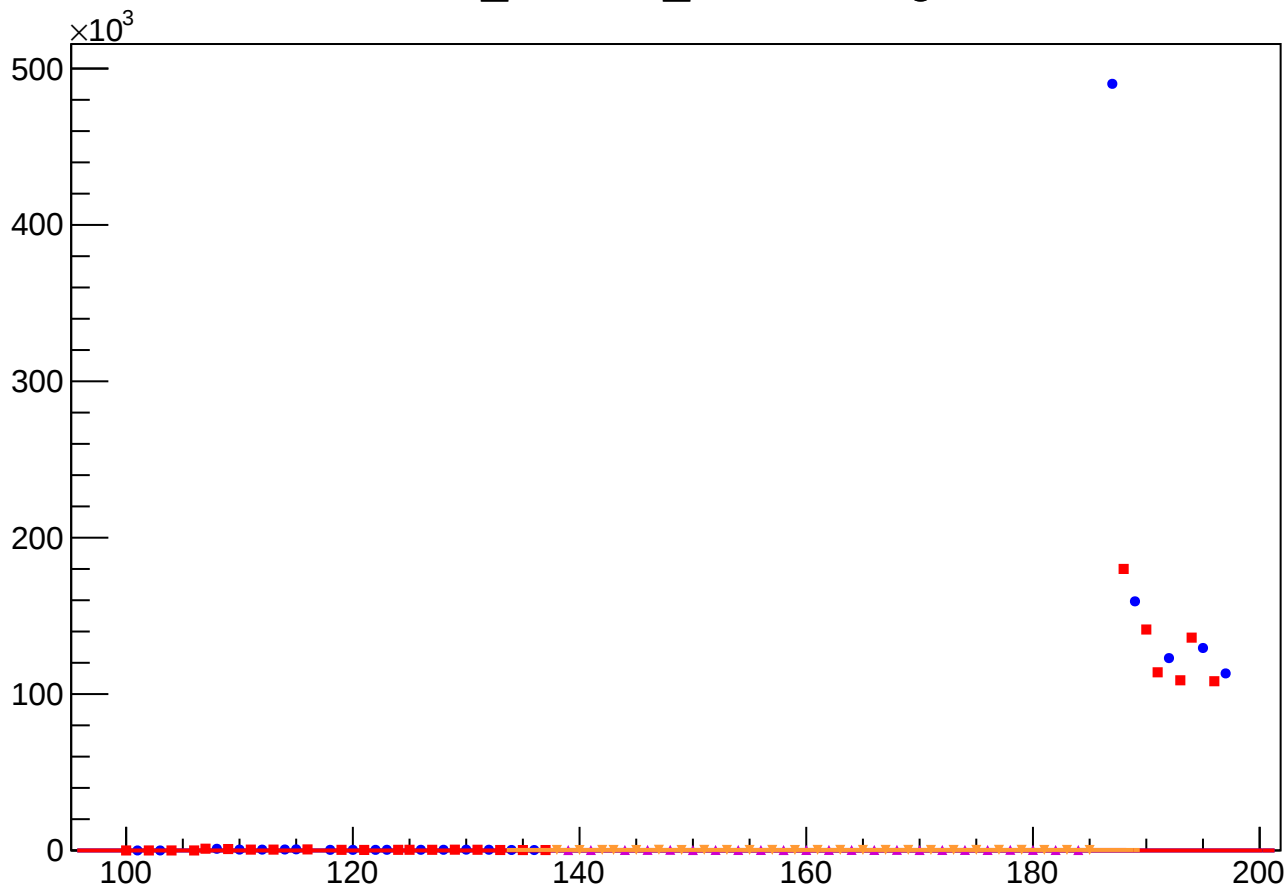
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 37.6/46

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 96.3/95

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 58.7/48

diff_cav4dY_rms vs Slug



Right In: 1.698 ± 0.001 χ^2/NDF : 16814894.7/21

Left Out: 325.469 ± 0.054 χ^2/NDF : 350046.8/24

Right Out: 1.728 ± 0.001 χ^2/NDF : 18169859.5/24

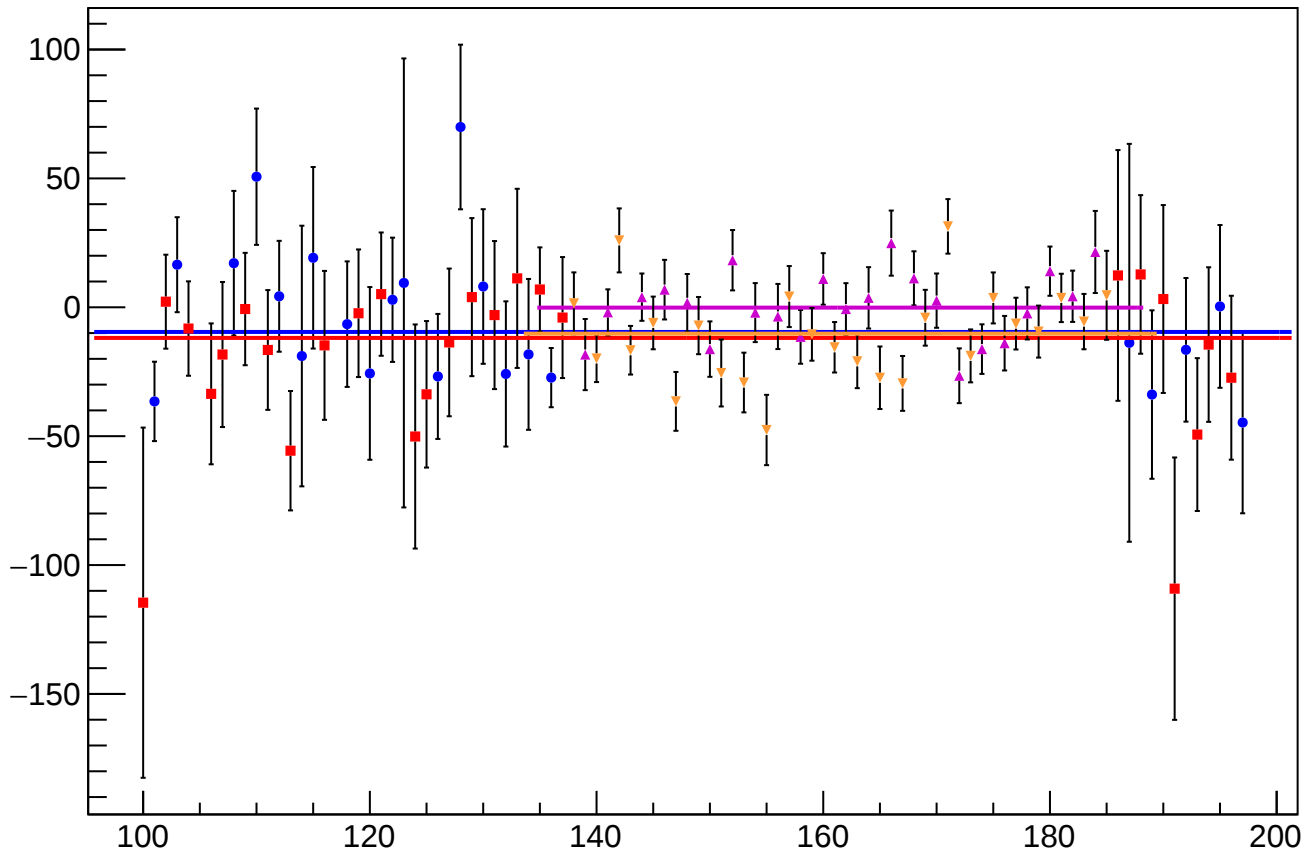
Left In: 325.201 ± 0.055 χ^2/NDF : 428069.7/22

+ sign 1.926 ± 0.001 χ^2/NDF : 53127251.4/46

All: 1.926 ± 0.001 χ^2/NDF : 105696168.0/94

- sign 1.926 ± 0.001 χ^2/NDF : 52568916.6/47

diff_bpm4aX_mean vs Slug



Right In: -9.567 ± 5.296 χ^2/NDF : 24.4/21

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -11.877 ± 5.219 χ^2/NDF : 18.3/25

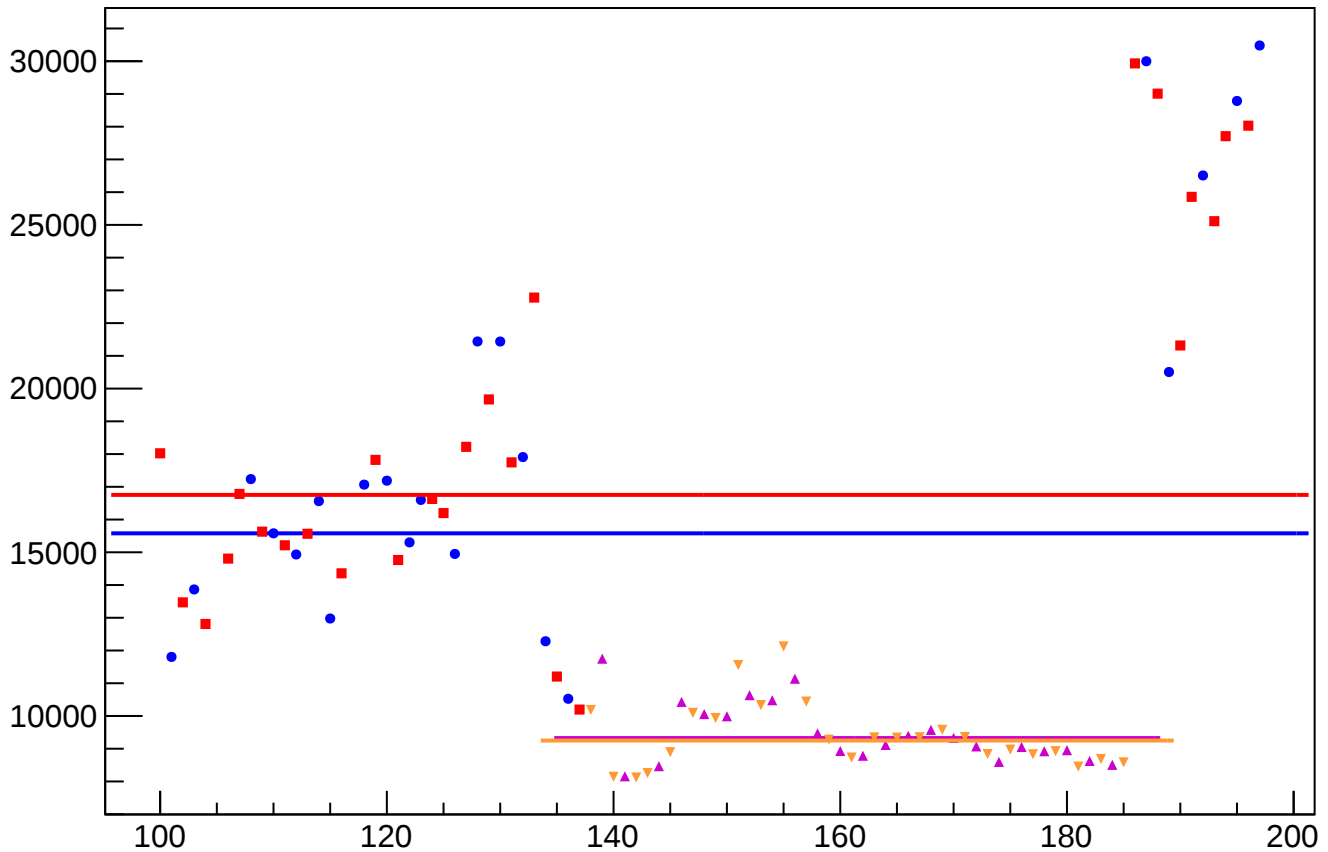
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -10.139 ± 2.005 χ^2/NDF : 82.4/46

All: -6.160 ± 1.437 χ^2/NDF : 142.9/95

- sign -1.961 ± 2.060 χ^2/NDF : 52.4/48

diff_bpm4aX_rms vs Slug



Right In: 15578.876+/-3.745 χ^2/NDF : 1872850.6/21

Left Out: 9249.358+/-1.532 χ^2/NDF :332003.4/24

Right Out: 16753.302+/-3.690 χ^2/NDF : 1929751.4/25

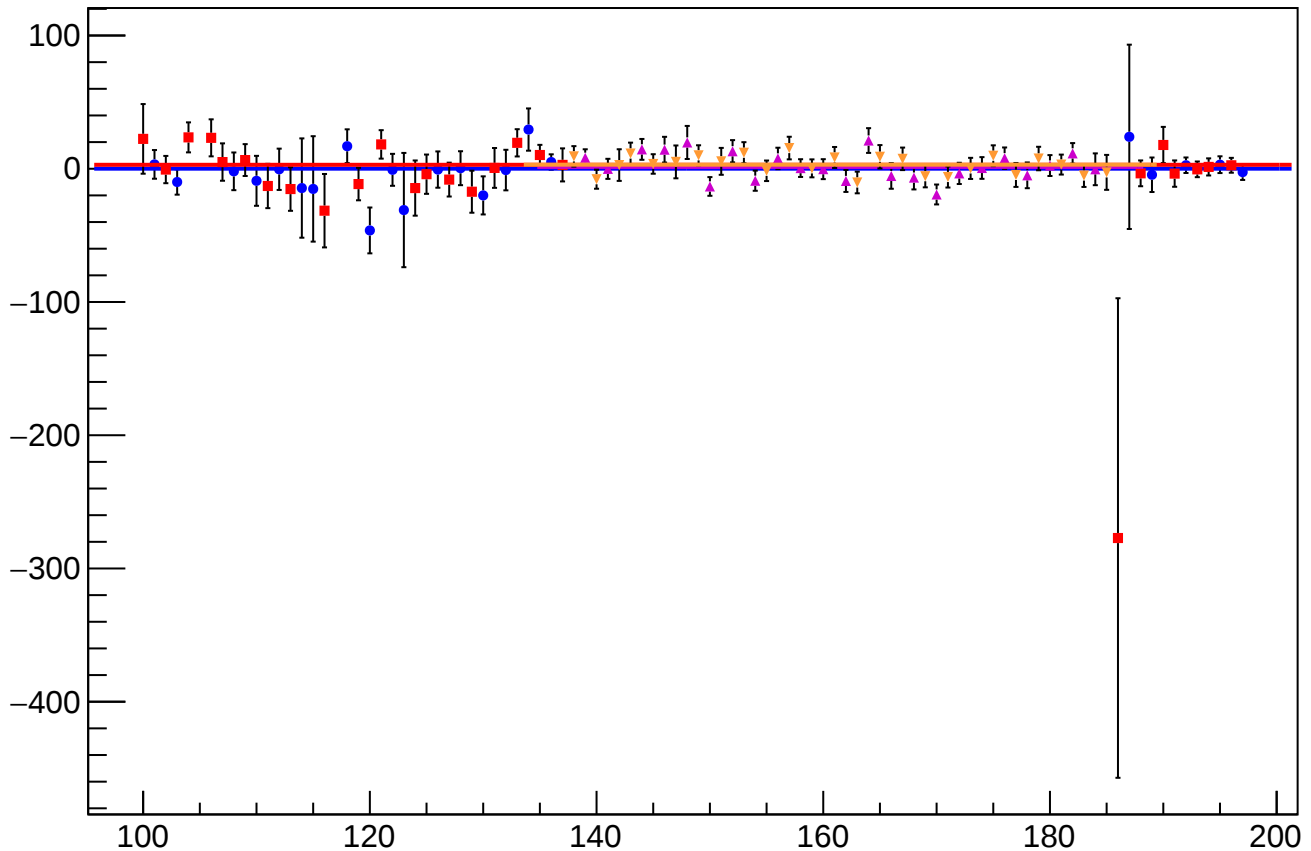
Left In: 9325.112+/-1.585 χ^2/NDF :280927.7/22

+ sign 10156.860+/-1.418 χ^2/NDF : 4652075.4/46

All: 10315.379+/-1.016 χ^2/NDF : 10309082.6

- sign 10482.679+/-1.457 χ^2/NDF : 5631319.5/48

diff_bpm4aY_mean vs Slug



Right In: 0.062 ± 2.266 χ^2/NDF : 18.3/21

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 2.967 ± 2.100 χ^2/NDF : 25.2/25

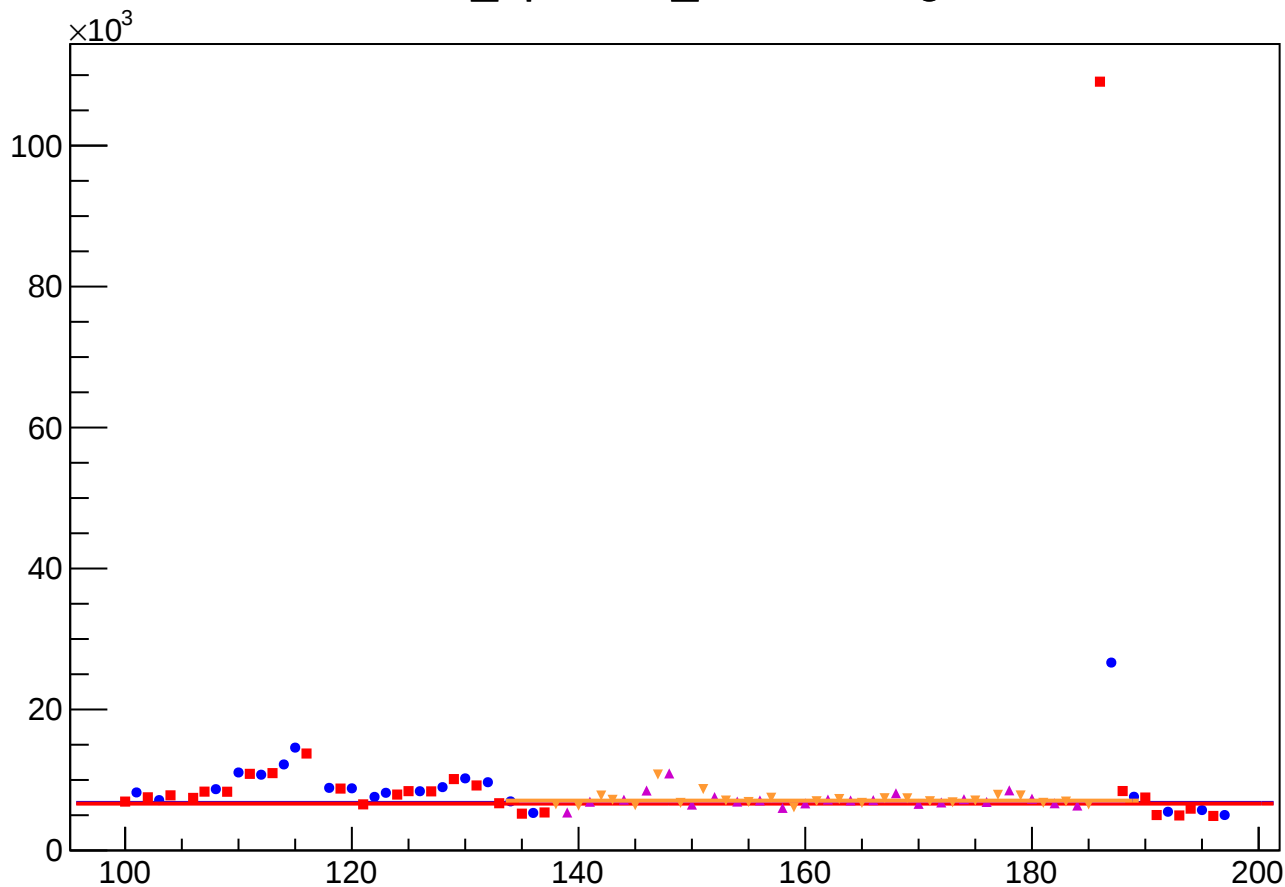
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.015 ± 1.339 χ^2/NDF : 37.7/46

All: 2.015 ± 0.939 χ^2/NDF : 98.7/95

- sign 2.014 ± 1.318 χ^2/NDF : 60.9/48

diff_bpm4aY_rms vs Slug



Right In: 6744.304 $\pm$ 1.603 χ^2/NDF : 1435172.9/21

Left Out: 7066.826 $\pm$ 1.173 χ^2/NDF : 387449.8/24

Right Out: 6647.671 $\pm$ 1.485 χ^2/NDF : 2060389.5/25

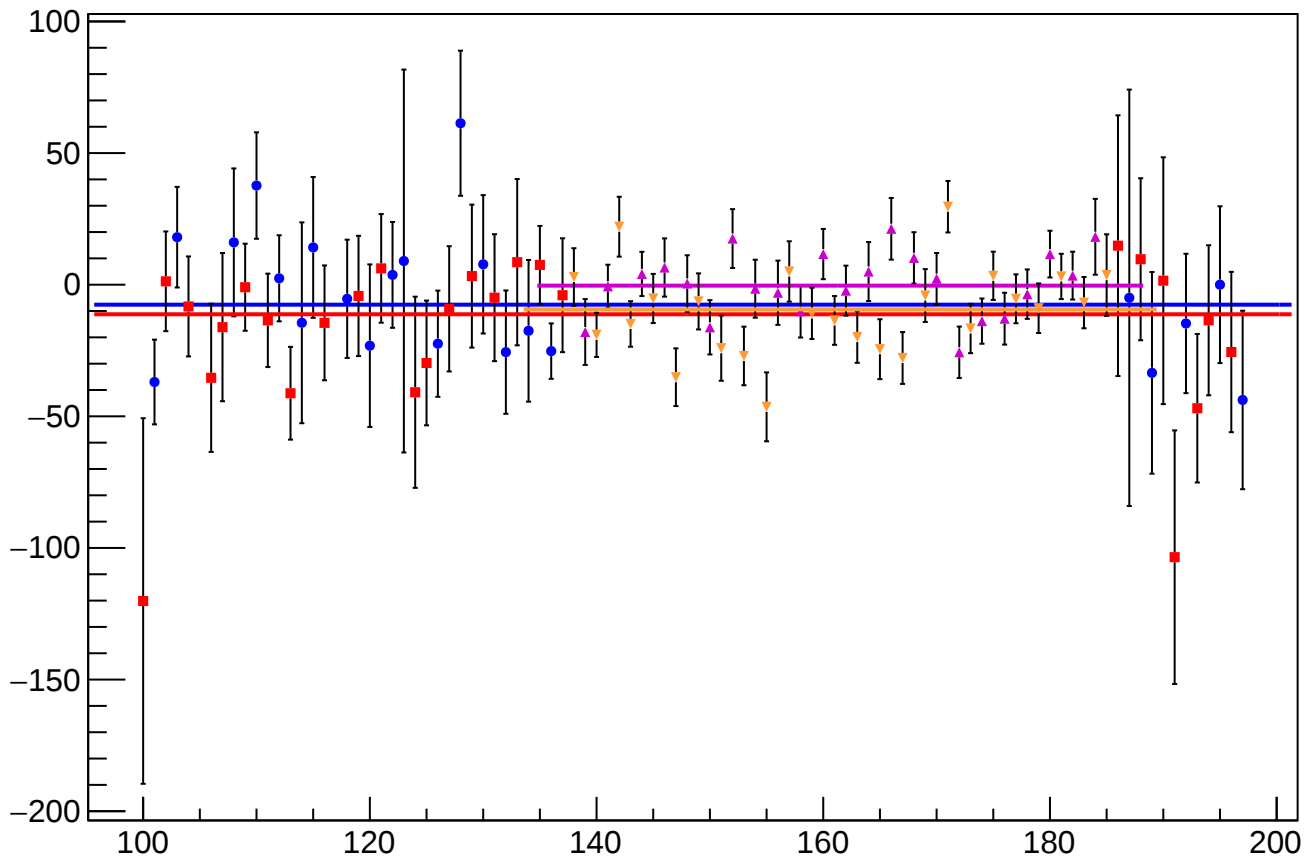
Left In: 7000.532 $\pm$ 1.197 χ^2/NDF : 550029.3/22

+ sign 6954.321 $\pm$ 0.947 χ^2/NDF : 1848995.3/46

All: 6907.180 $\pm$ 0.664 χ^2/NDF : 4498528.8/95

- sign 6861.479 $\pm$ 0.932 χ^2/NDF : 2644648.5/48

diff_bpm4eX_mean vs Slug



Right In: -7.584 ± 4.792 χ^2/NDF : 25.0/21

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -11.232 ± 4.677 χ^2/NDF : 17.9/25

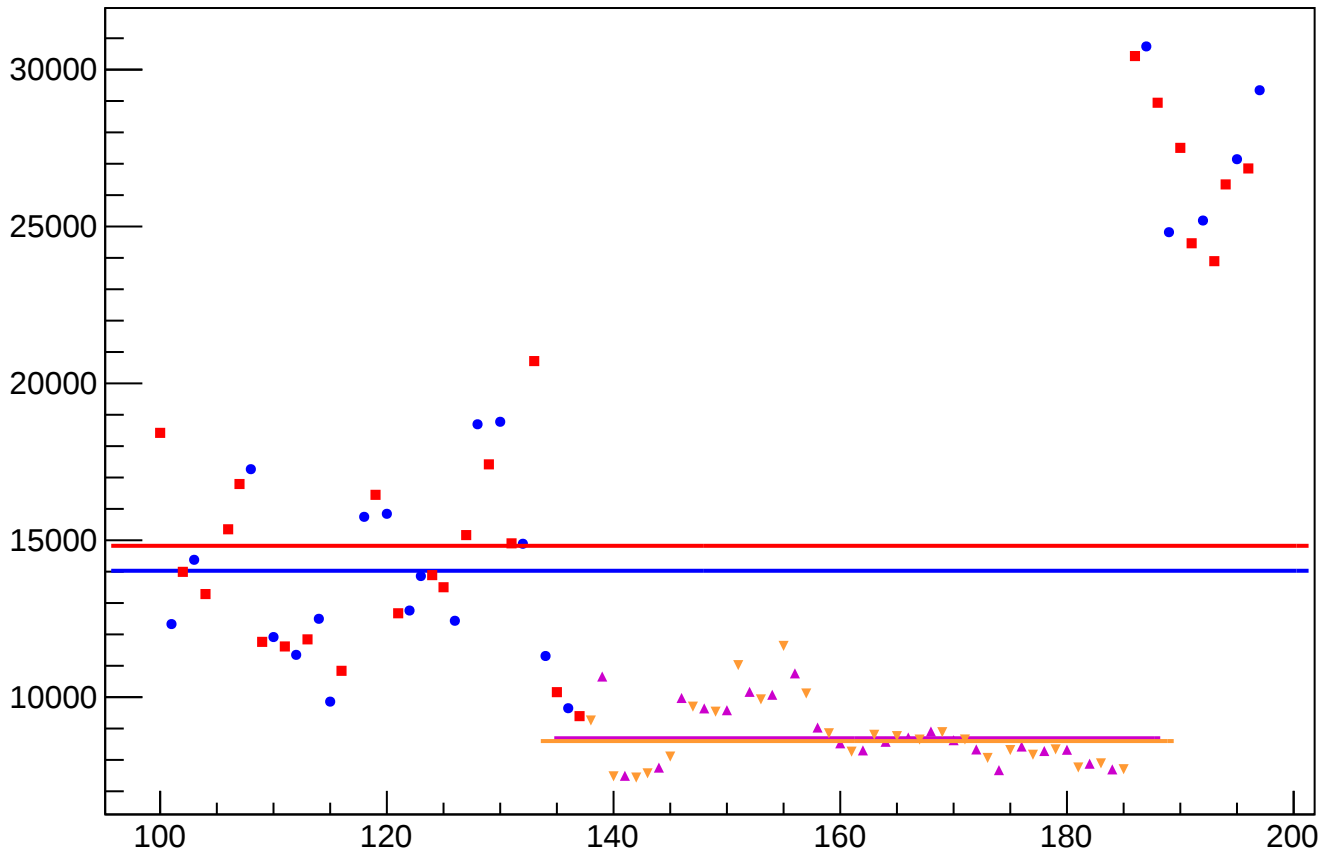
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -9.106 ± 1.860 χ^2/NDF : 83.5/46

All: -5.729 ± 1.332 χ^2/NDF : 142.3/95

- sign -2.167 ± 1.910 χ^2/NDF : 52.0/48

diff_bpm4eX_rms vs Slug



Right In: 14028.094+/-3.388 χ^2/NDF : 2107610.9/21

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

Right Out: 14823.558+/-3.307 χ^2/NDF : 2434269.5/25

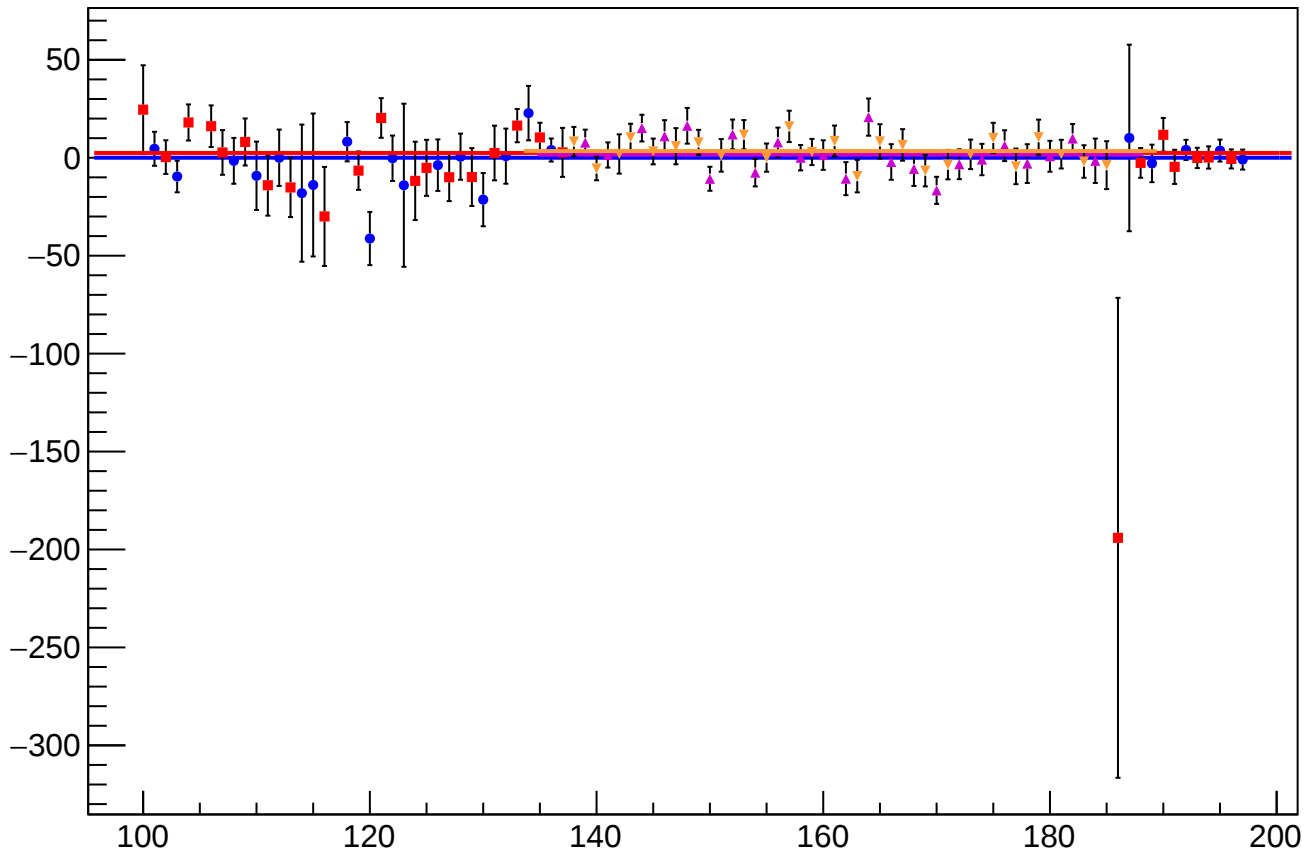
Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

+ sign 9417.904+/-1.315 χ^2/NDF : 4725380.4/46

All: 9561.417+/-0.942 χ^2/NDF : 10420530.8/9

- sign 9712.791+/-1.350 χ^2/NDF : 5670674.9/48

diff_bpm4eY_mean vs Slug



Right In: 0.013 ± 2.017 χ^2/NDF : 19.3/21

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 2.462 ± 1.835 χ^2/NDF : 25.8/25

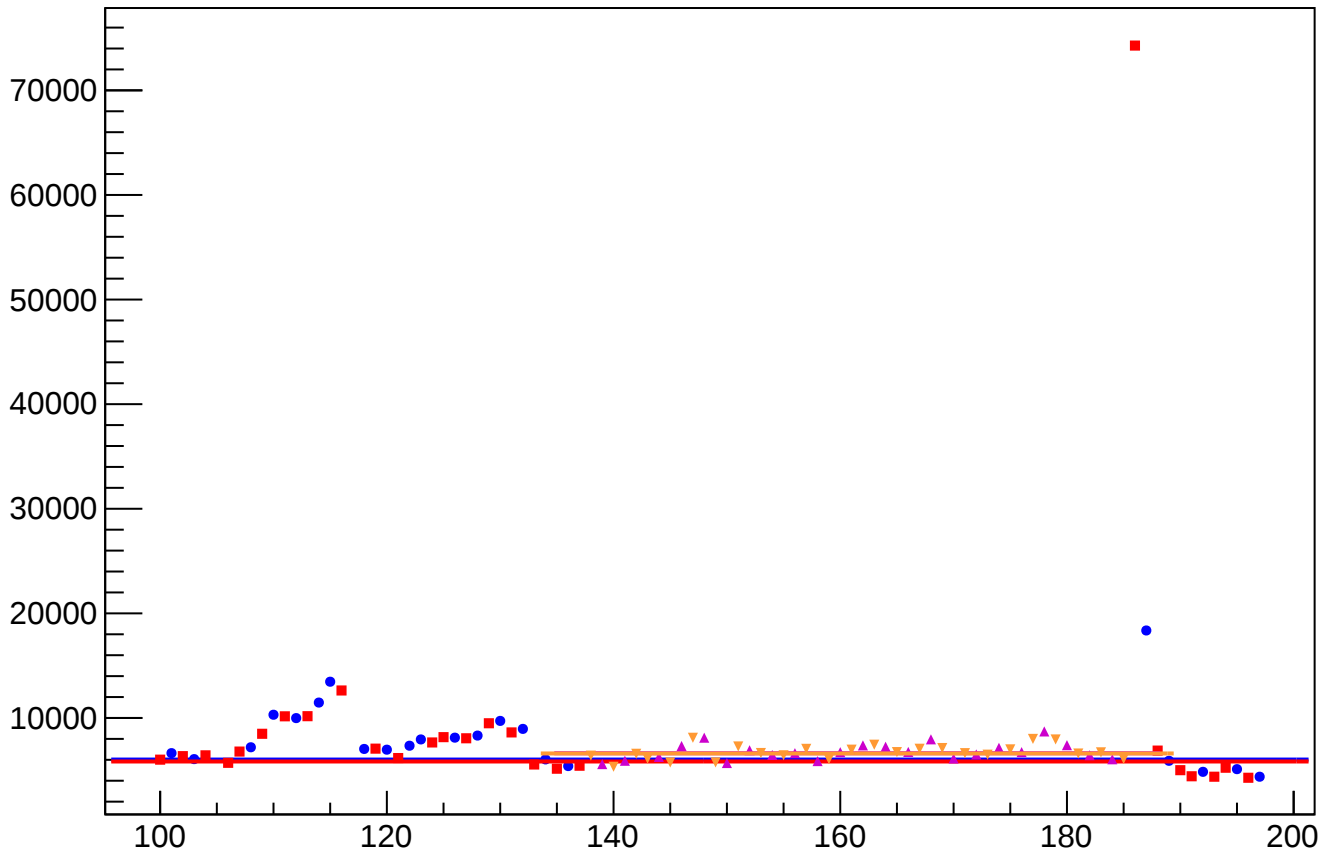
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.145 ± 1.229 χ^2/NDF : 37.9/46

All: 2.065 ± 0.861 χ^2/NDF : 97.3/95

- sign 1.987 ± 1.206 χ^2/NDF : 59.4/48

diff_bpm4eY_rms vs Slug



Right In: 6024.705 ± 1.426 $\chi^2/\text{NDF}: 1376593.1/21$

Left Out: 6607.100 ± 1.096 $\chi^2/\text{NDF}: 398416.1/24$

Right Out: 5839.283 ± 1.298 $\chi^2/\text{NDF}: 2097304.0/25$

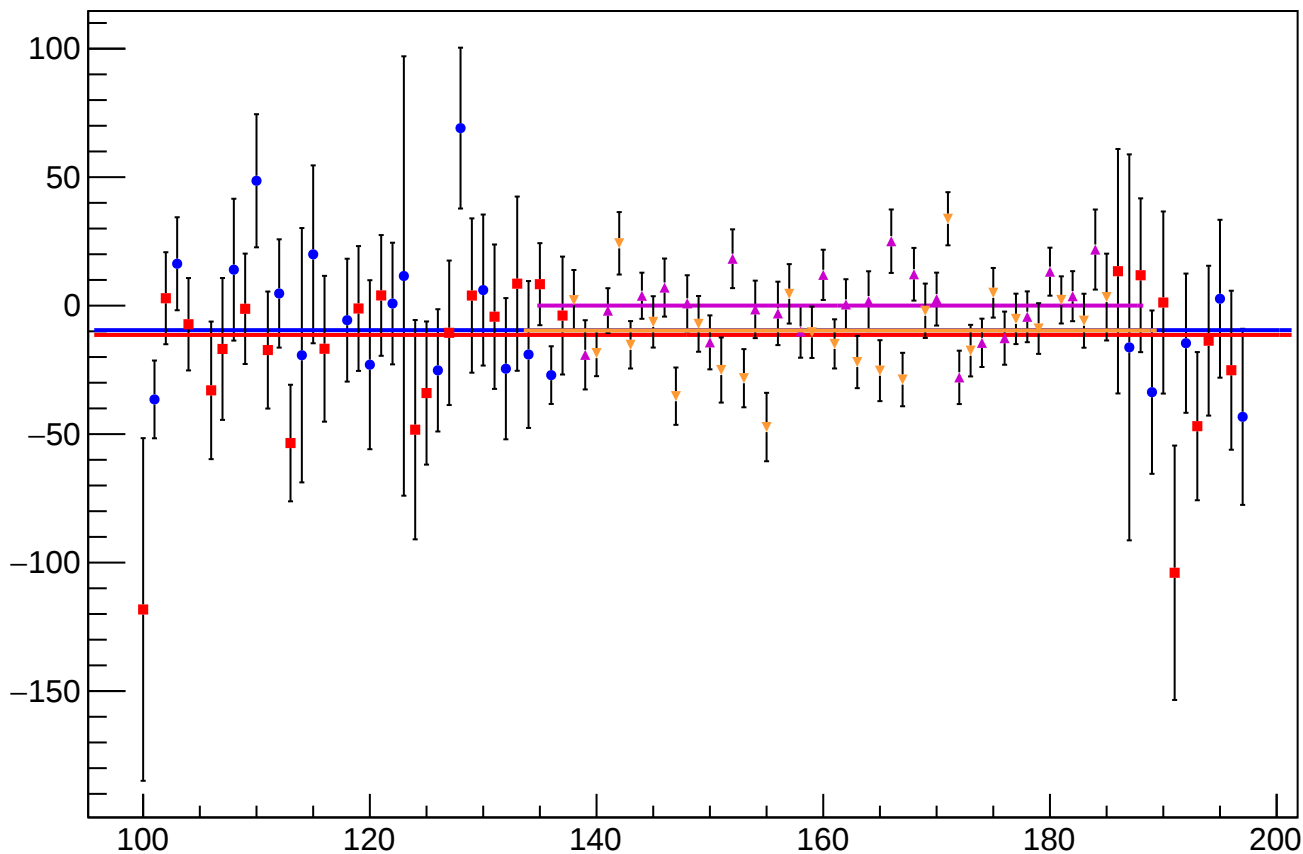
Left In: 6628.653 ± 1.131 $\chi^2/\text{NDF}: 430282.2/22$

+ sign 6390.735 ± 0.869 $\chi^2/\text{NDF}: 1879848.4/46$

All: 6338.334 ± 0.609 $\chi^2/\text{NDF}: 4624926.3/95$

- sign 6287.926 ± 0.852 $\chi^2/\text{NDF}: 2737946.3/48$

diff_bpm4acX_mean vs Slug



Right In: -9.543 ± 5.186 χ^2/NDF : 24.3/21

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -11.401 ± 5.110 χ^2/NDF : 18.3/25

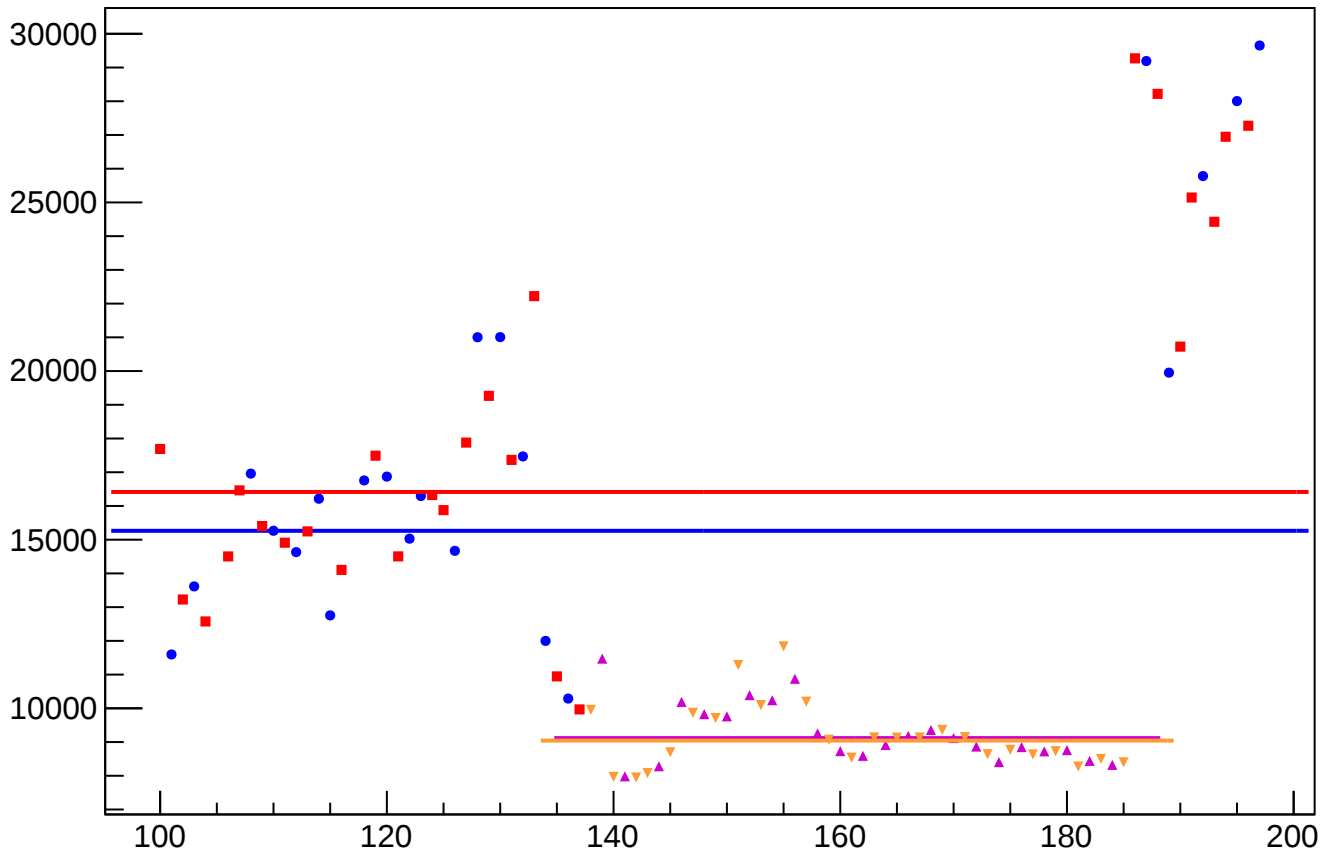
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.634 ± 1.961 χ^2/NDF : 84.1/46

All: -5.801 ± 1.405 χ^2/NDF : 145.0/95

- sign -1.755 ± 2.014 χ^2/NDF : 53.1/48

diff_bpm4acX_rms vs Slug



Right In: 15263.520+/-3.667 χ^2/NDF : 1854708.1/21

Left Out: 9043.485+/-1.498 χ^2/NDF : 328192.2/24

Right Out: 16415.559+/-3.613 χ^2/NDF : 1902986.4/25

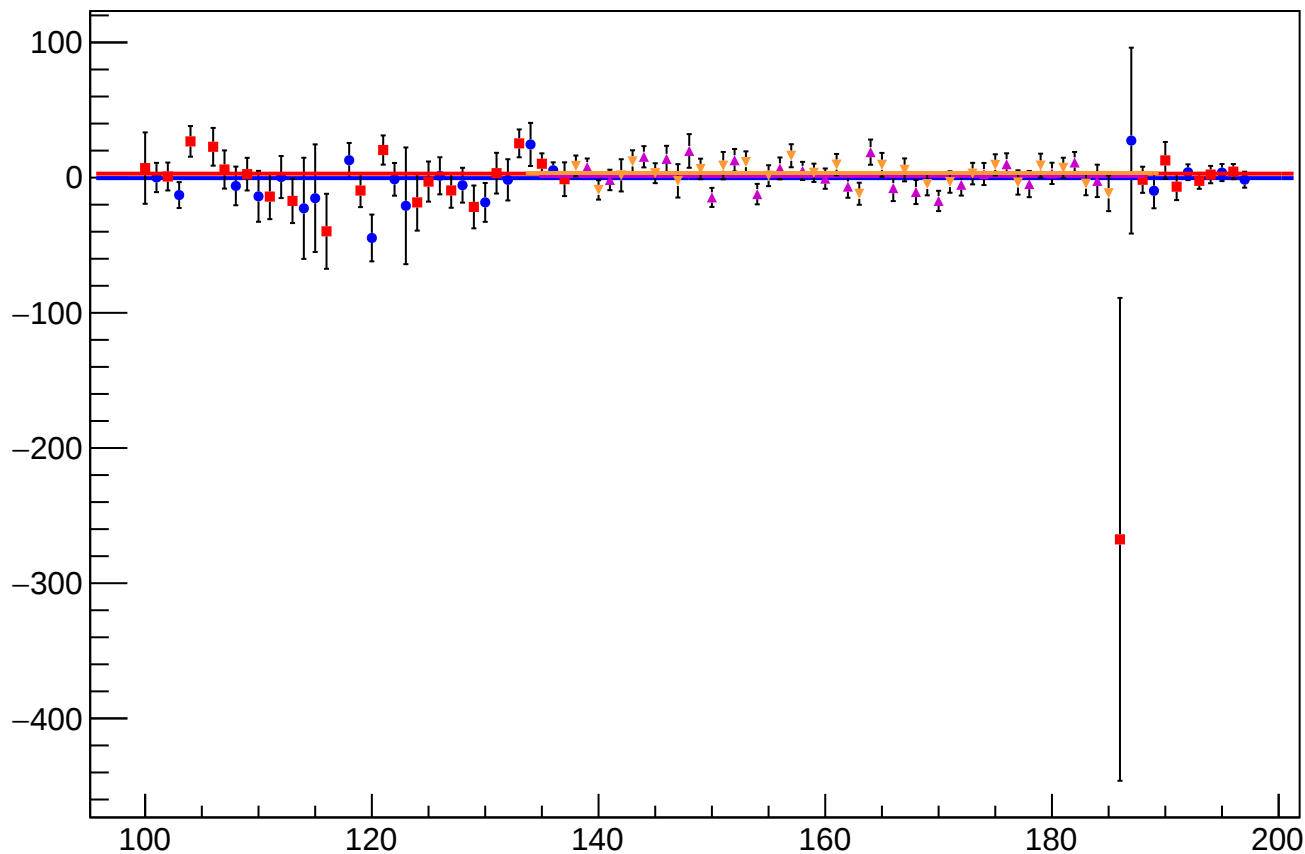
Left In: 9116.921+/-1.550 χ^2/NDF : 277594.8/22

+ sign 9932.812+/-1.387 χ^2/NDF : 4648589.3/46

All: 10087.704+/-0.994 χ^2/NDF : 10300697.8

- sign 10251.167+/-1.424 χ^2/NDF : 5626461.6/48

diff_bpm4acY_mean vs Slug



Right In: -0.365 ± 2.278 χ^2/NDF : 17.6/21

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 2.950 ± 2.111 χ^2/NDF : 30.3/25

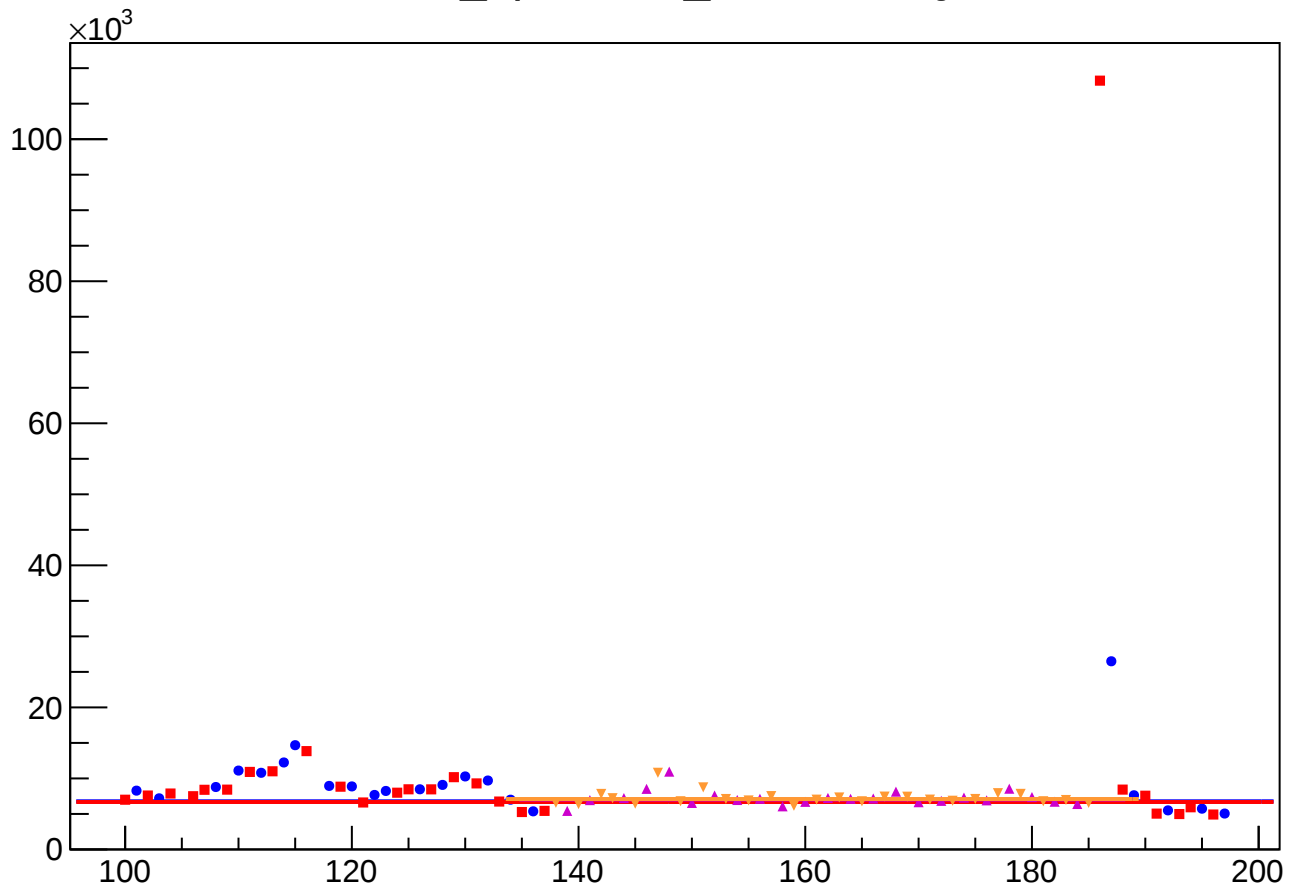
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.114 ± 1.345 χ^2/NDF : 38.4/46

All: 2.028 ± 0.944 χ^2/NDF : 105.6/95

- sign 1.944 ± 1.324 χ^2/NDF : 67.2/48

diff_bpm4acY_rms vs Slug



Right In: 6779.727 $\pm$ 1.611 χ^2/NDF : 1440523.4/21

Left Out: 7098.726 $\pm$ 1.178 χ^2/NDF : 382550.4/24

Right Out: 6684.270 $\pm$ 1.493 χ^2/NDF : 2063901.7/25

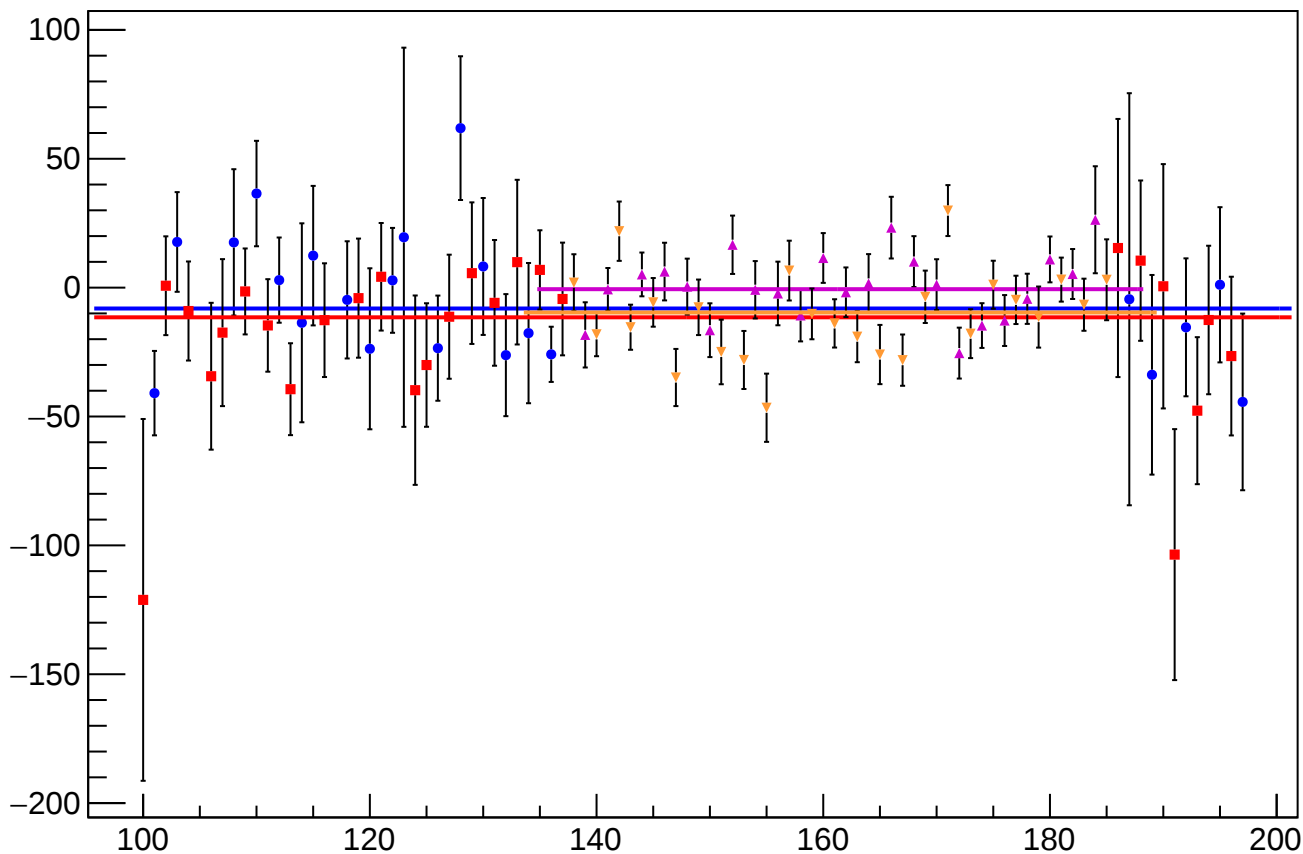
Left In: 7033.702 $\pm$ 1.203 χ^2/NDF : 541035.5/22

+ sign 6987.576 $\pm$ 0.951 χ^2/NDF : 1848620.6/46

All: 6941.154 $\pm$ 0.667 χ^2/NDF : 4491484.4/95

- sign 6896.133 $\pm$ 0.936 χ^2/NDF : 2638169.7/48

diff_bpm4ecX_mean vs Slug



Right In: -8.097 ± 4.855 χ^2/NDF : 25.6/21

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -11.516 ± 4.742 χ^2/NDF : 17.0/25

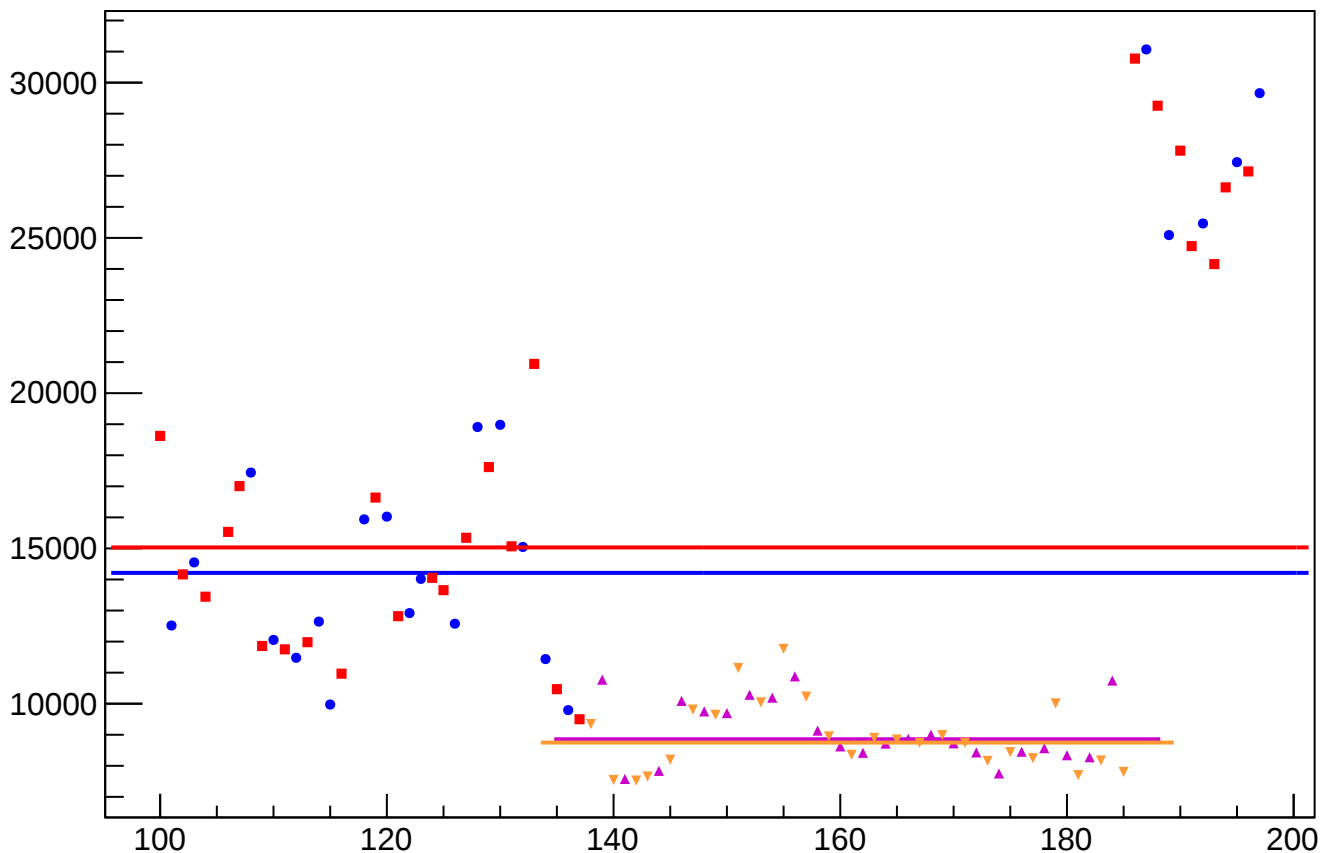
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.405 ± 1.894 χ^2/NDF : 83.3/46

All: -6.018 ± 1.358 χ^2/NDF : 140.9/95

- sign -2.439 ± 1.947 χ^2/NDF : 51.0/48

diff_bpm4ecX_rms vs Slug



Right In: 14213.097+/-3.433 χ^2/NDF : 2094340.0/21

Left Out: 8748.407+/-1.455 χ^2/NDF : 463394.1/24

Right Out: 15032.878+/-3.353 χ^2/NDF : 2408733.8/25

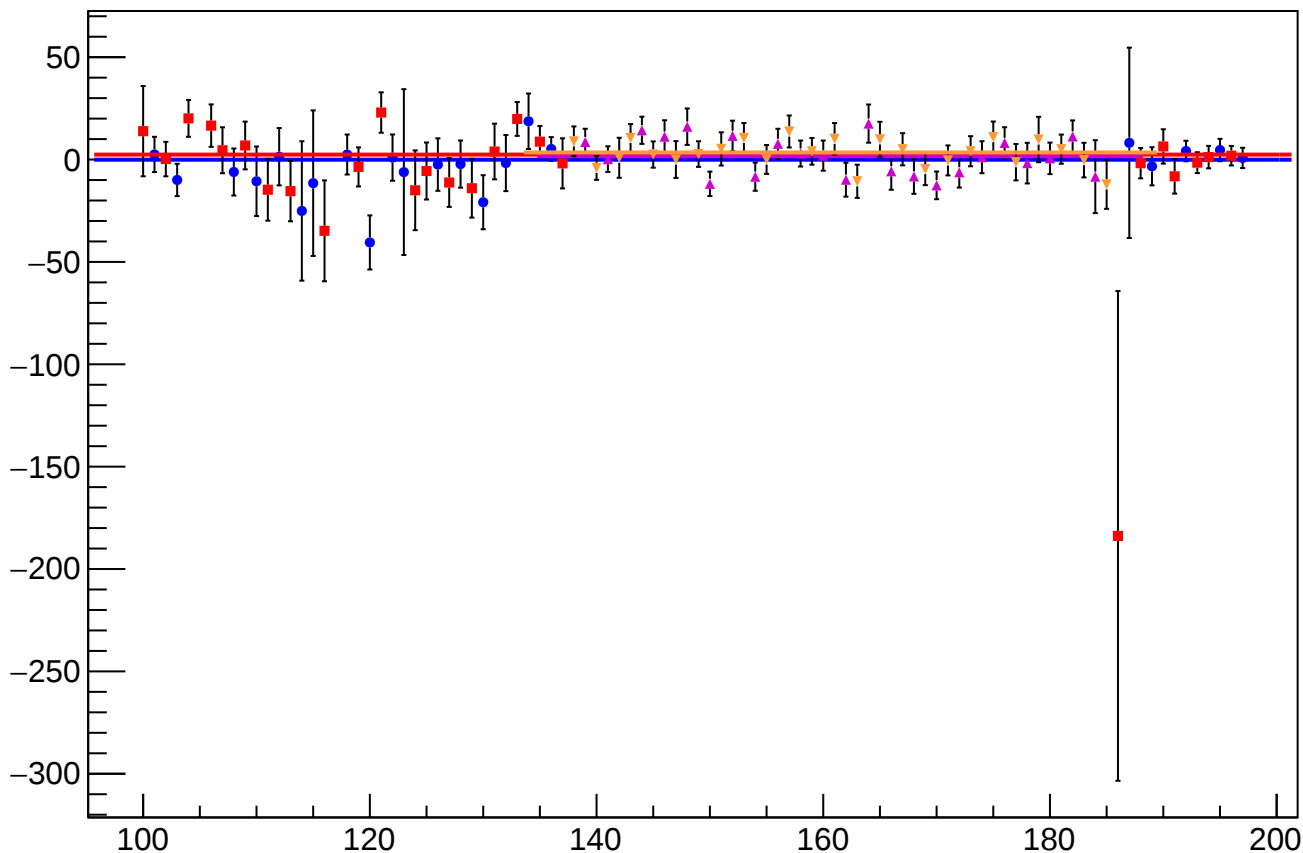
Left In: 8855.591+/-1.510 χ^2/NDF : 367542.7/22

+ sign 9580.278+/-1.339 χ^2/NDF : 4705920.8/46

All: 9734.197+/-0.960 χ^2/NDF : 10331301.8/9

- sign 9896.782+/-1.377 χ^2/NDF : 5598226.3/48

diff_bpm4ecY_mean vs Slug



Right In: -0.067 ± 1.967 $\chi^2/\text{NDF}: 19.4/21$

Left Out: 3.473 ± 1.524 $\chi^2/\text{NDF}: 15.8/24$

Right Out: 2.419 ± 1.793 $\chi^2/\text{NDF}: 30.2/25$

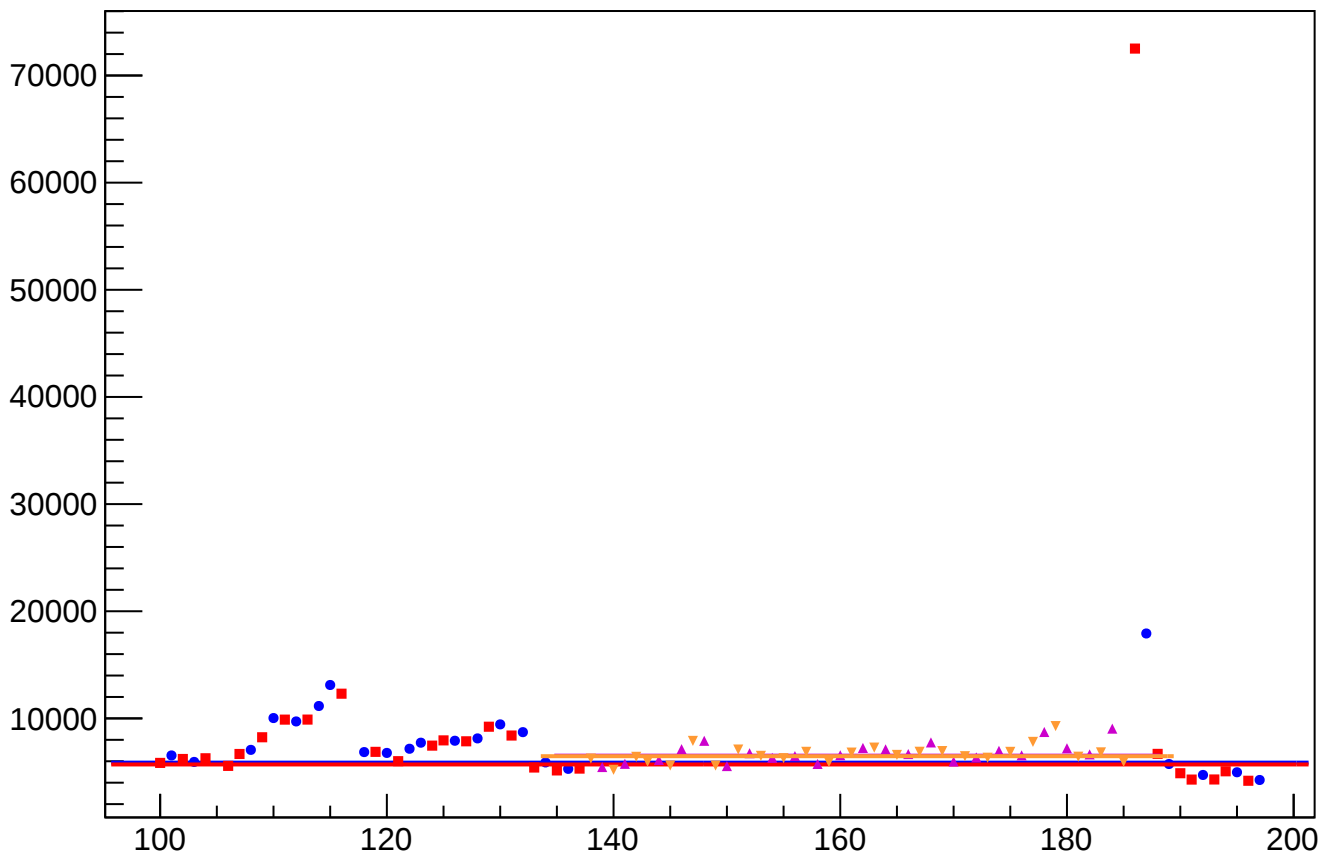
Left In: 1.638 ± 1.578 $\chi^2/\text{NDF}: 33.7/22$

+ sign 2.145 ± 1.205 $\chi^2/\text{NDF}: 37.2/46$

All: 2.061 ± 0.845 $\chi^2/\text{NDF}: 101.3/95$

- sign 1.979 ± 1.184 $\chi^2/\text{NDF}: 64.1/48$

diff_bpm4ecY_rms vs Slug



Right In: 5871.991 ± 1.391 $\chi^2/\text{NDF}: 1385315.6/21$

Left Out: 6471.976 ± 1.078 $\chi^2/\text{NDF}: 490282.9/24$

Right Out: 5701.429 ± 1.268 $\chi^2/\text{NDF}: 2083790.1/25$

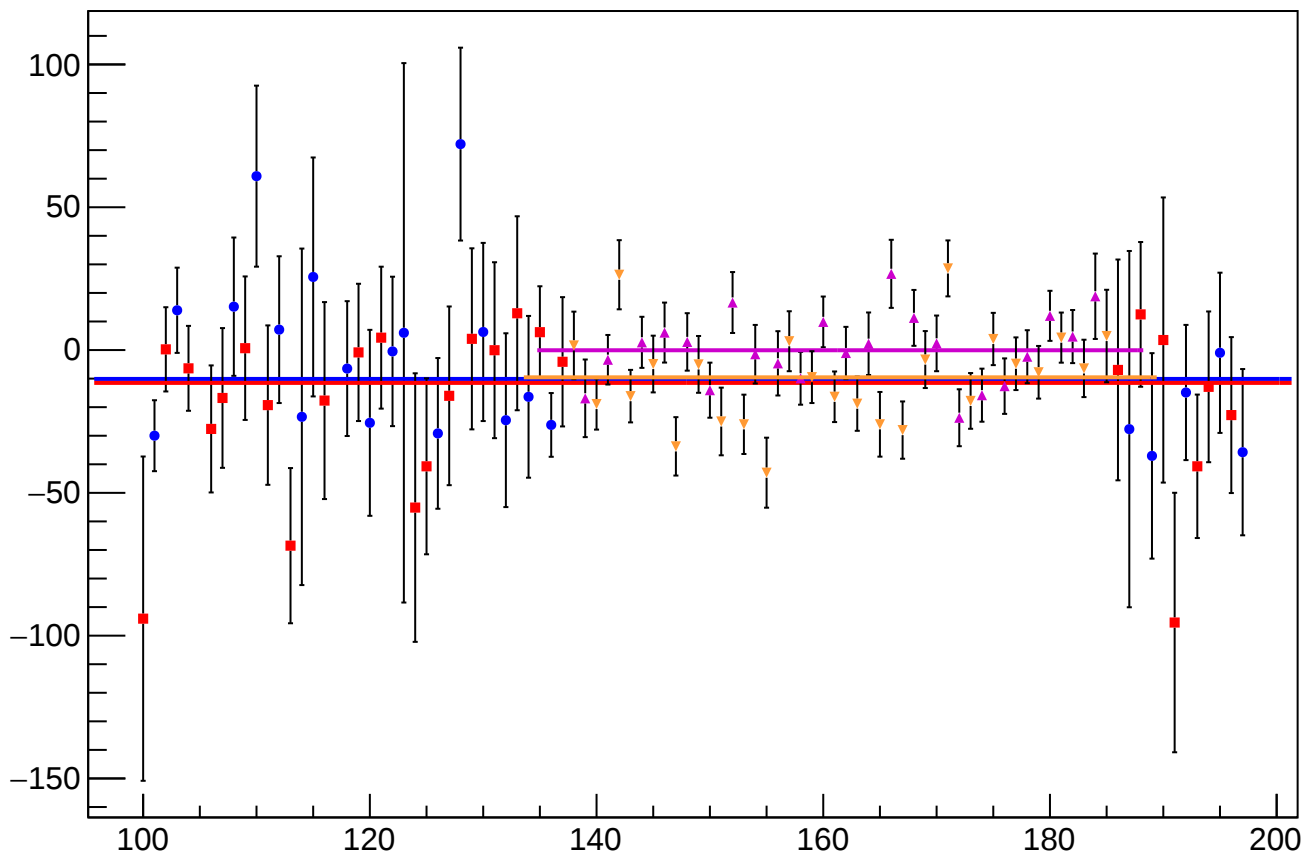
Left In: 6521.975 ± 1.116 $\chi^2/\text{NDF}: 480034.7/22$

+ sign 6246.900 ± 0.852 $\chi^2/\text{NDF}: 1991839.3/46$

All: 6204.617 ± 0.597 $\chi^2/\text{NDF}: 4796622.6/95$

- sign 6163.763 ± 0.838 $\chi^2/\text{NDF}: 2799940.9/48$

diff_bpm1X_mean vs Slug



Right In: -10.112 $\pm$ 5.043 χ^2/NDF : 23.6/21

Left Out: -9.554 $\pm$ 2.012 χ^2/NDF : 59.5/24

Right Out: -11.499 $\pm$ 4.982 χ^2/NDF : 18.7/25

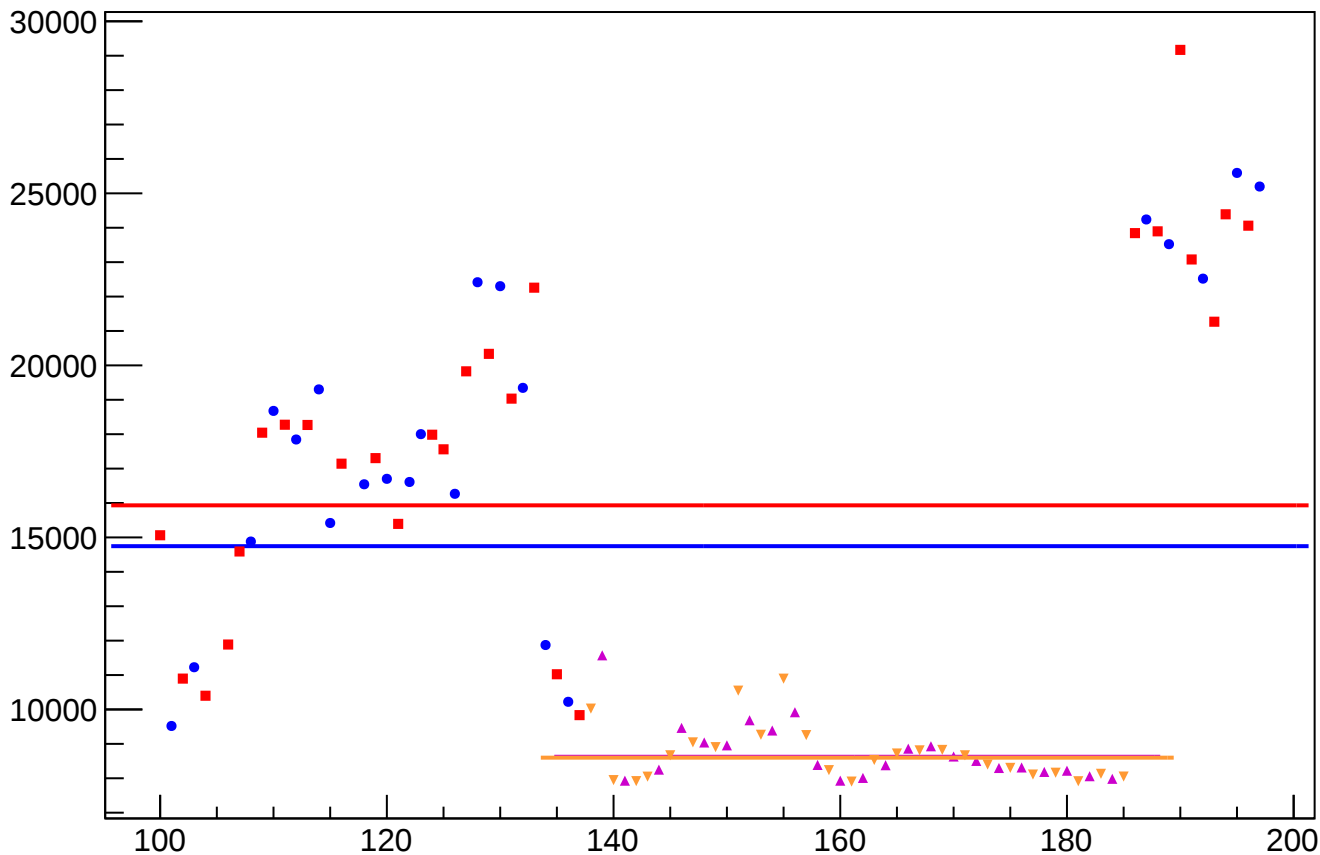
Left In: -0.072 $\pm$ 2.073 χ^2/NDF : 29.8/22

+ sign -9.631 $\pm$ 1.869 χ^2/NDF : 83.1/46

All: -5.788 $\pm$ 1.337 χ^2/NDF : 144.8/95

- sign -1.758 $\pm$ 1.914 χ^2/NDF : 53.0/48

diff_bpm1X_rms vs Slug



Right In: 14745.752+/-3.566 χ^2/NDF : 2129389.3/21

Left Out: 8598.983+/-1.423 χ^2/NDF :249070.5/24

Right Out: 15932.243+/-3.523 χ^2/NDF : 2080722.9/25

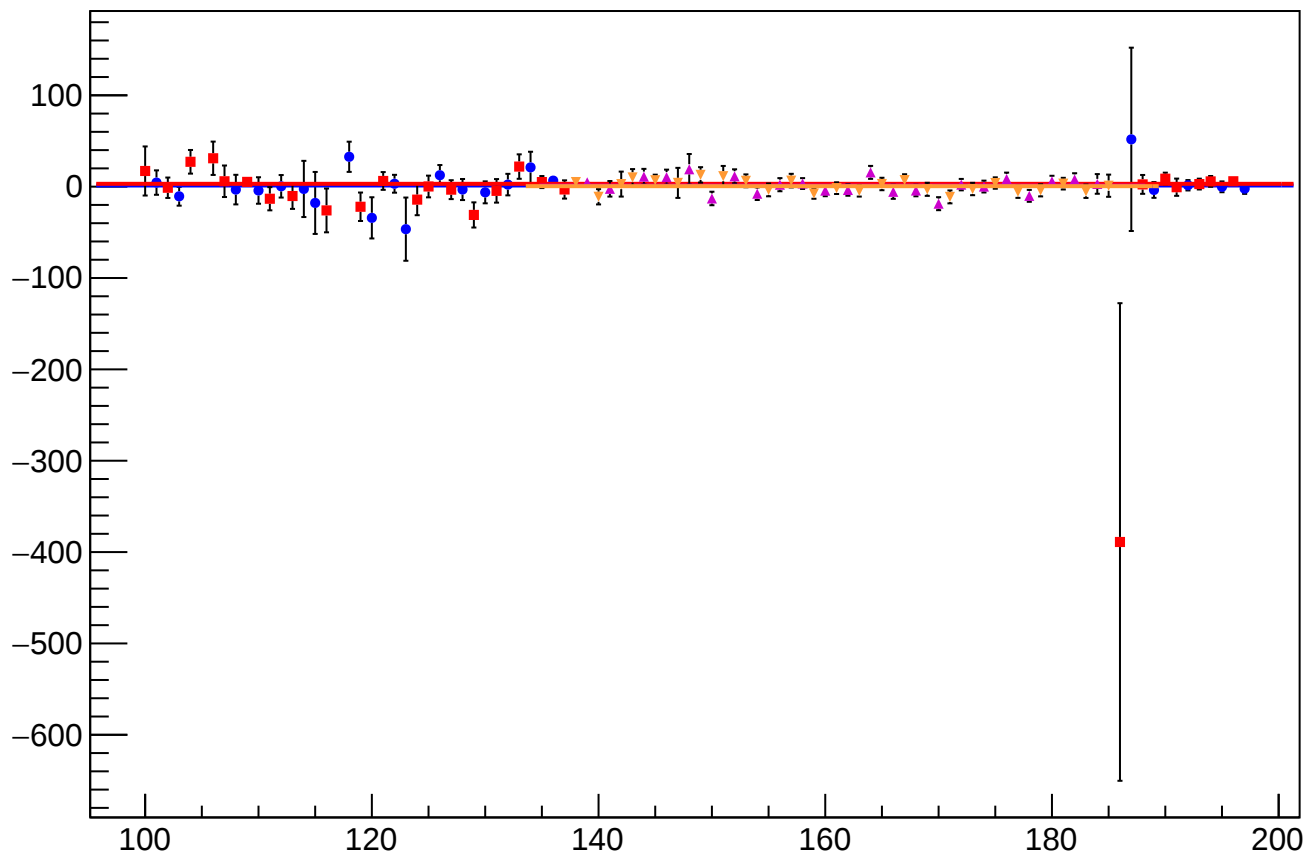
Left In: 8625.233+/-1.466 χ^2/NDF :237310.9/22

+ sign 9442.921+/-1.321 χ^2/NDF : 4941968.7/46

All: 9569.977+/-0.945 χ^2/NDF : 10945936.4/9

- sign 9703.251+/-1.353 χ^2/NDF : 5985020.8/48

diff_bpm1Y_mean vs Slug



Right In: 1.280 $\pm$ 2.064 χ^2 /NDF: 15.3/21

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 3.097 $\pm$ 1.818 χ^2 /NDF: 27.2/25

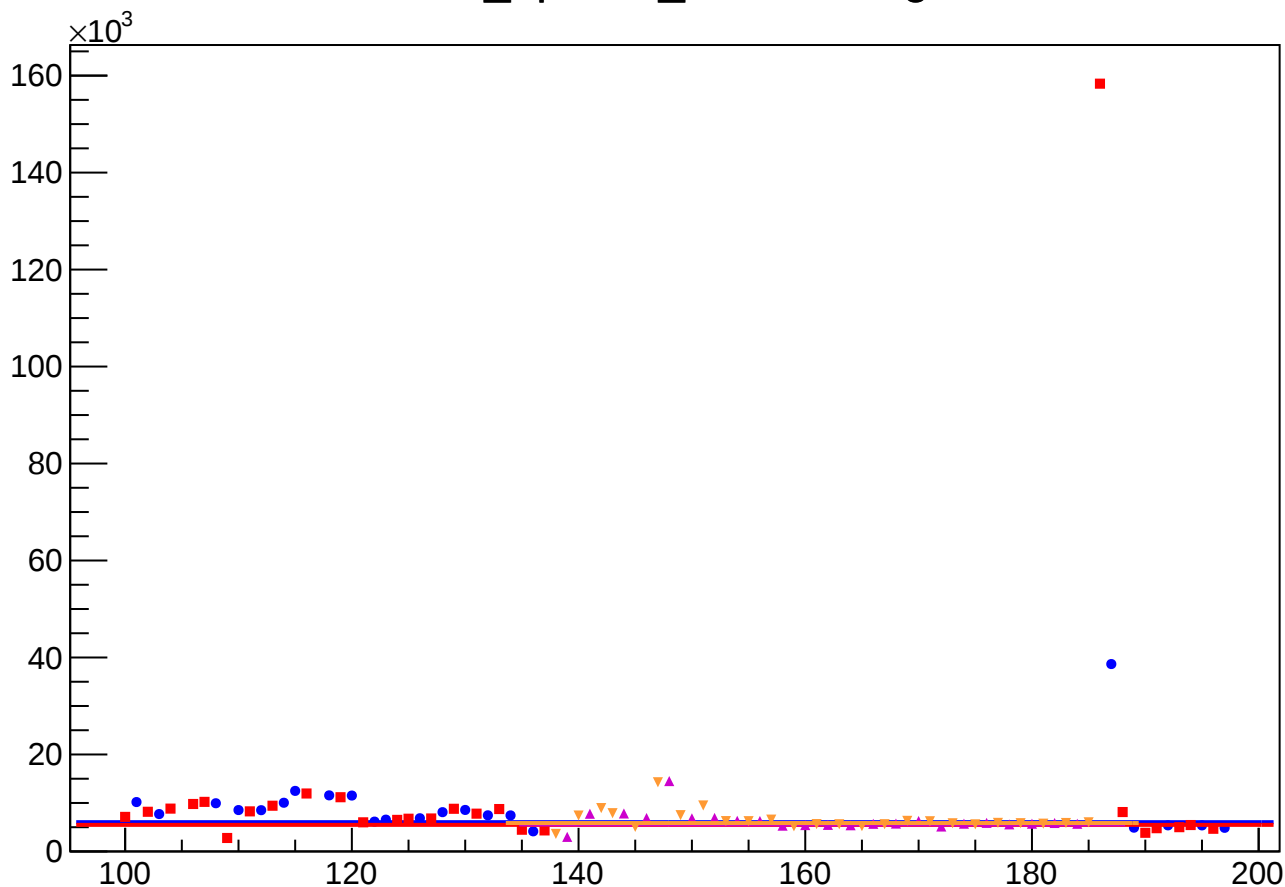
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 0.769 $\pm$ 1.169 χ^2 /NDF: 34.9/46

All: 1.317 $\pm$ 0.804 χ^2 /NDF: 95.8/95

- sign 1.809 $\pm$ 1.107 χ^2 /NDF: 60.6/48

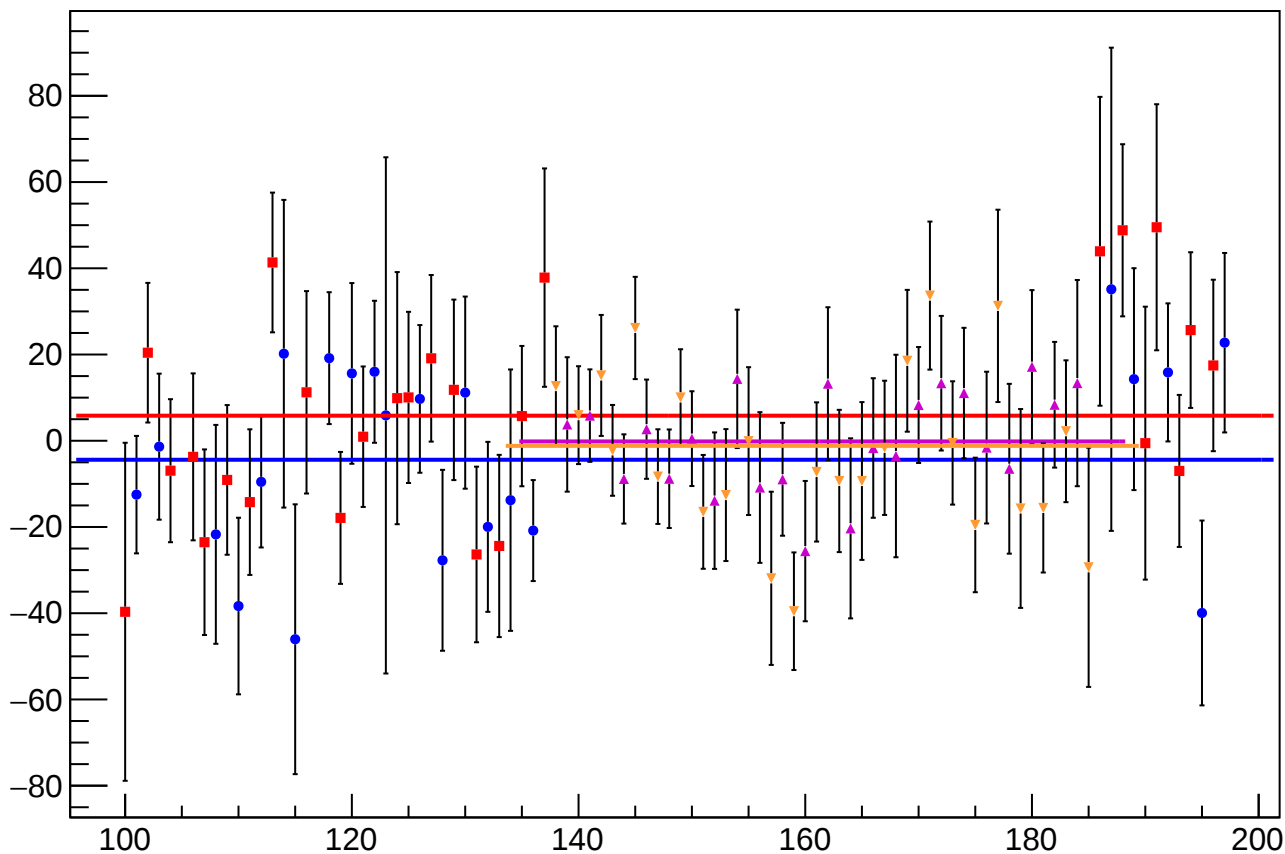
diff_bpm1Y_rms vs Slug



Right In: 6038.382 ± 1.460 χ^2/NDF : 1886272.8/21
 Left Out: 5860.605 ± 1.002 χ^2/NDF : 1690049.2/24
 Right Out: 5484.598 ± 1.286 χ^2/NDF : 3332422.6/25
 Left In: 5571.330 ± 0.987 χ^2/NDF : 2162788.3/22

+ sign 5917.579 ± 0.826 χ^2/NDF : 3586402.0/46
 All: 5718.141 ± 0.568 χ^2/NDF : 9195005.9/95
 - sign 5539.171 ± 0.783 χ^2/NDF : 5498075.1/48

diff_bpm11X_mean vs Slug



Right In: -4.406 ± 4.141 χ^2/NDF : 23.0/21

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 5.815 ± 3.881 χ^2/NDF : 31.4/25

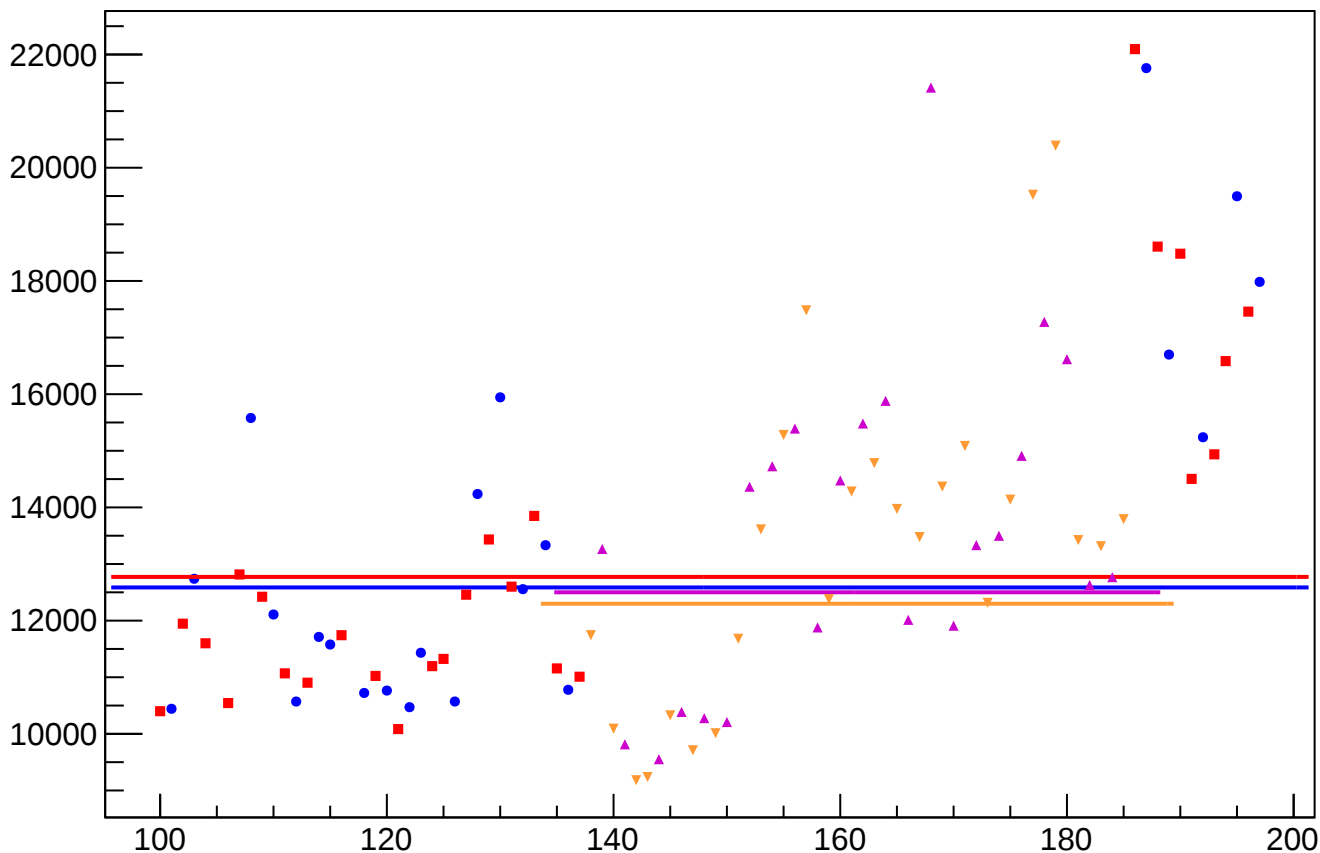
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.262 ± 2.397 χ^2/NDF : 57.1/46

All: -0.070 ± 1.697 χ^2/NDF : 103.1/95

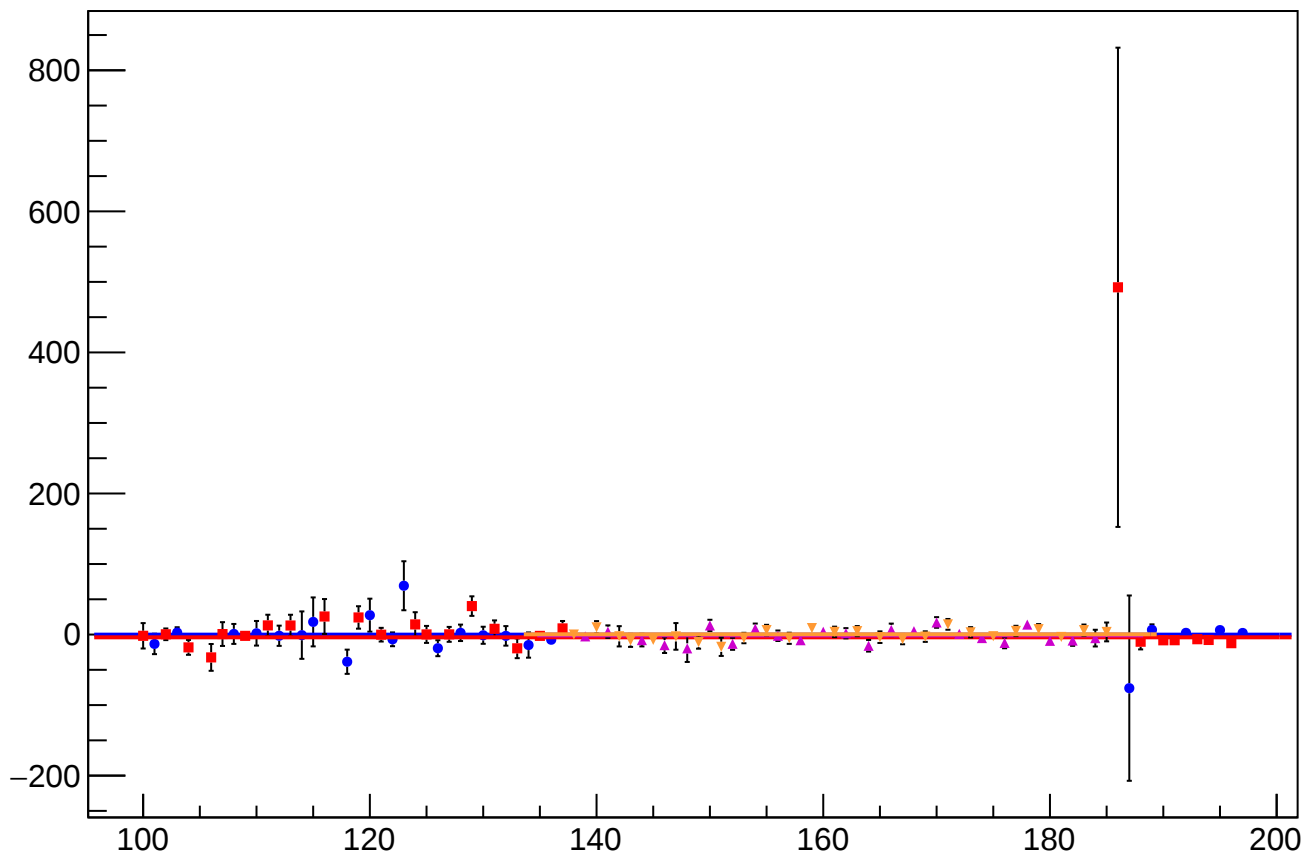
- sign 2.131 ± 2.402 χ^2/NDF : 44.3/48

diff_bpm11X_rms vs Slug



Right In: 12586.397+/-2.928	χ^2/NDF : 831798.4/21	+ sign 12395.055+/-1.695	χ^2/NDF : 2344246.6/46
Left Out: 12298.676+/-2.078	χ^2/NDF : 1506026.8/24	All: 12499.747+/-1.200	χ^2/NDF : 4559971.8/9
Right Out: 12772.574+/-2.744	χ^2/NDF : 844134.7/25	- sign 12604.905+/-1.698	χ^2/NDF : 2208075.2/48
Left In: 12500.795+/-2.162	χ^2/NDF : 1357889.1/22		

diff_bpm11Y_mean vs Slug



Right In: -0.146 ± 1.902 χ^2/NDF : 21.4/21

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: -3.921 ± 1.696 χ^2/NDF : 34.0/25

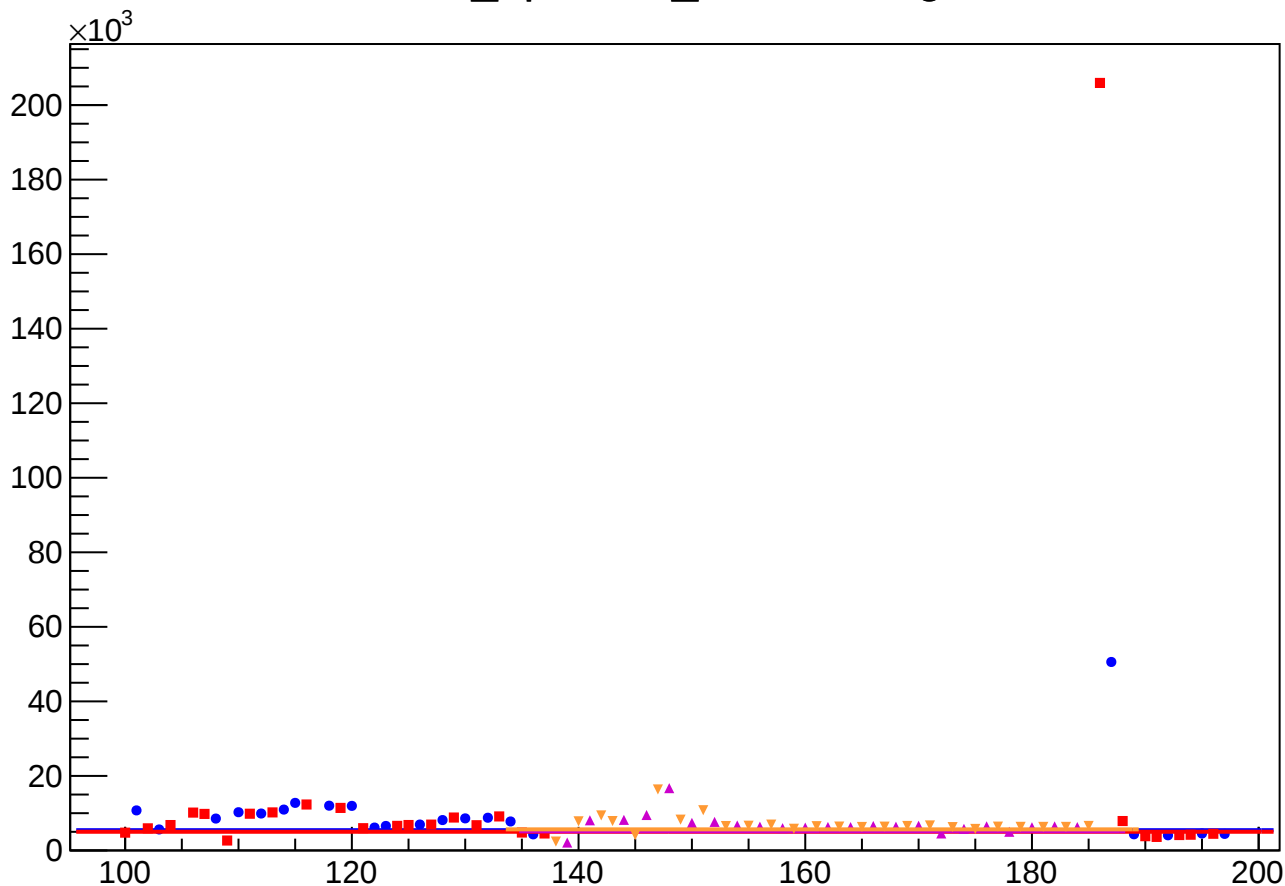
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 0.172 ± 1.145 χ^2/NDF : 40.6/46

All: -1.127 ± 0.780 χ^2/NDF : 112.2/95

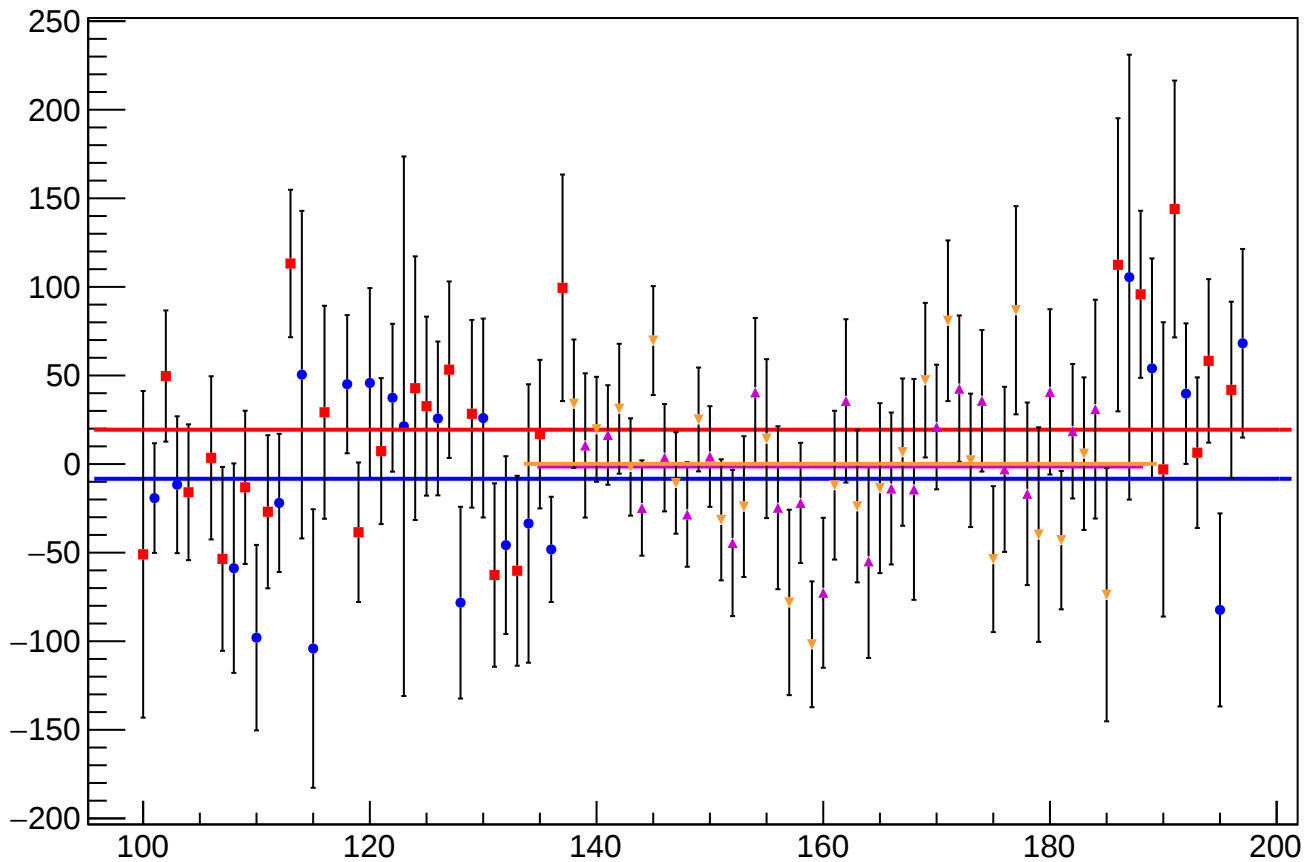
- sign -2.254 ± 1.066 χ^2/NDF : 69.2/48

diff_bpm11Y_rms vs Slug



Right In: 5444.313 ± 1.345 χ^2/NDF : 2480124.1/21 + sign 5581.525 ± 0.809 χ^2/NDF : 6625023.9/46
 Left Out: 5659.441 ± 1.014 χ^2/NDF : 4128583.6/24 All: 5318.328 ± 0.552 χ^2/NDF : 15799476.6/9
 Right Out: 5016.726 ± 1.199 χ^2/NDF : 3475215.9/25 - sign 5089.922 ± 0.754 χ^2/NDF : 8976985.0/48
 Left In: 5137.772 ± 0.970 χ^2/NDF : 5495609.7/22

diff_bpm12X_mean vs Slug



Right In: -8.300 ± 10.284 χ^2/NDF : 22.3/21

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 19.413 ± 9.643 χ^2/NDF : 28.1/25

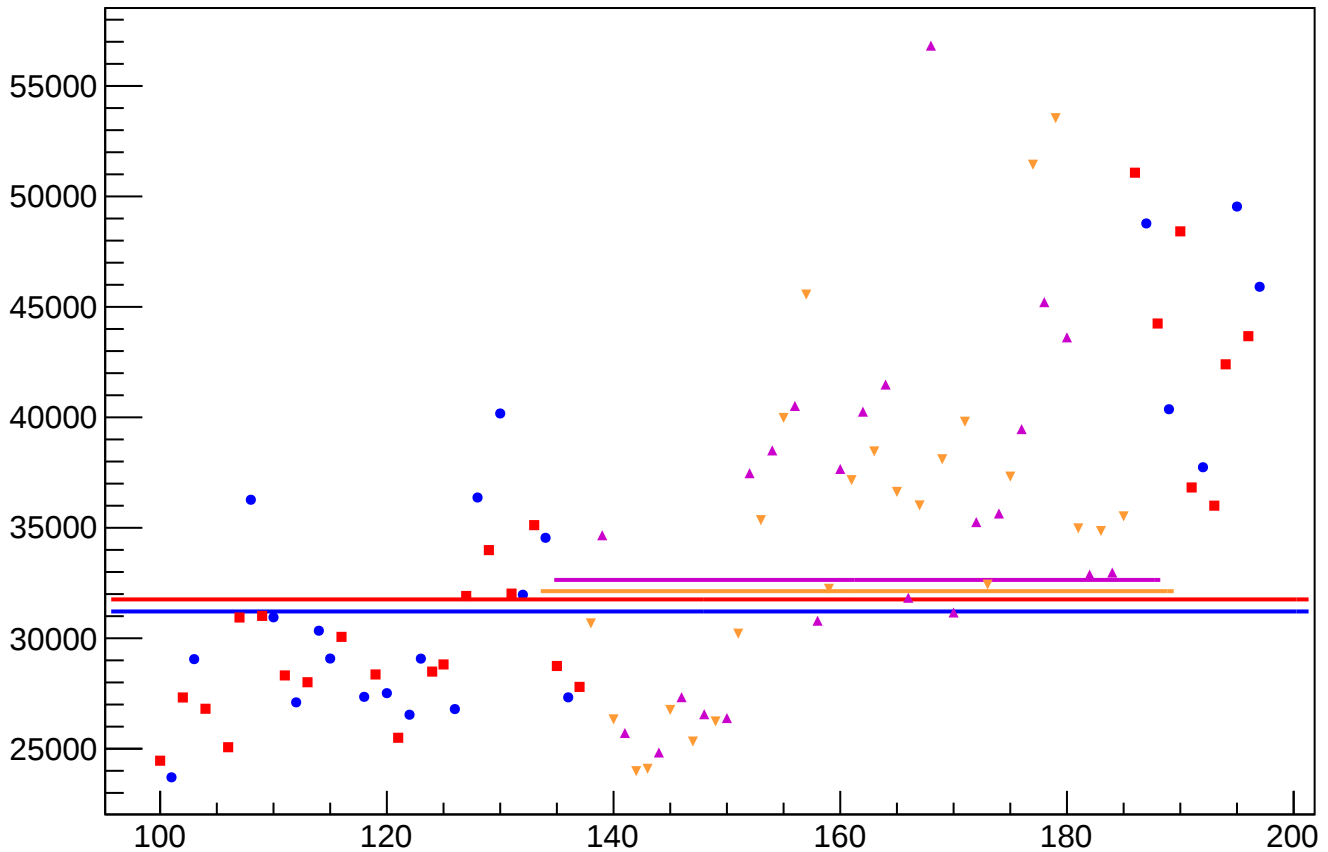
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -2.882 ± 6.155 χ^2/NDF : 54.0/46

All: 2.105 ± 4.351 χ^2/NDF : 99.5/95

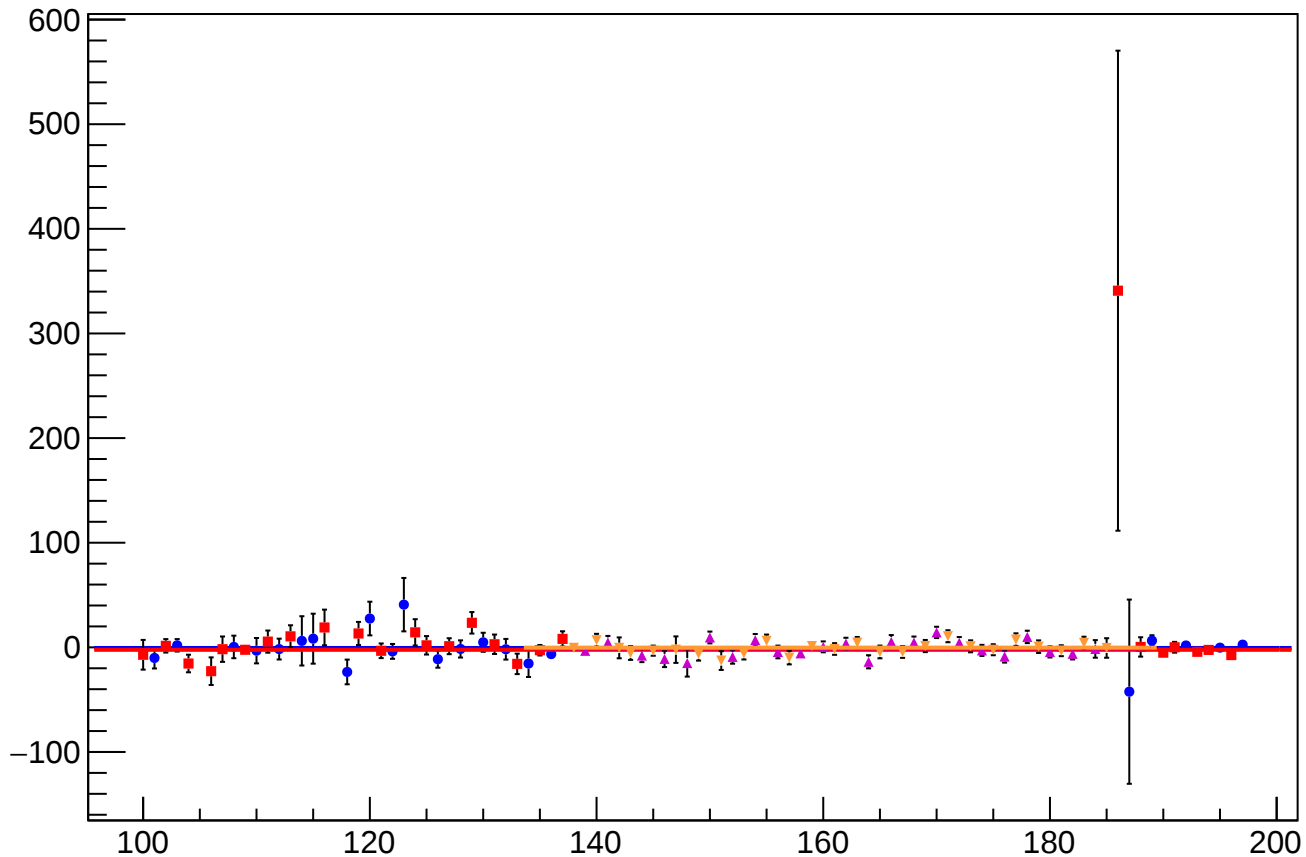
- sign 7.088 ± 6.153 χ^2/NDF : 44.2/48

diff_bpm12X_rms vs Slug



Right In: 31213.098+/-7.272	χ^2/NDF : 861105.8/21	+ sign 31803.010+/-4.352	χ^2/NDF : 2411440.6/46
Left Out: 32132.314+/-5.433	χ^2/NDF : 1540079.4/24	All: 32042.472+/-3.077	χ^2/NDF : 4659770.7/5
Right Out: 31758.242+/-6.819	χ^2/NDF : 830174.8/25	- sign 32281.748+/-4.351	χ^2/NDF : 2242278.0/48
Left In: 32641.162+/-5.650	χ^2/NDF : 1402162.4/22		

diff_bpm12Y_mean vs Slug



Right In: -0.593 ± 1.321 χ^2/NDF : 21.1/21

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: -2.352 ± 1.225 χ^2/NDF : 29.5/25

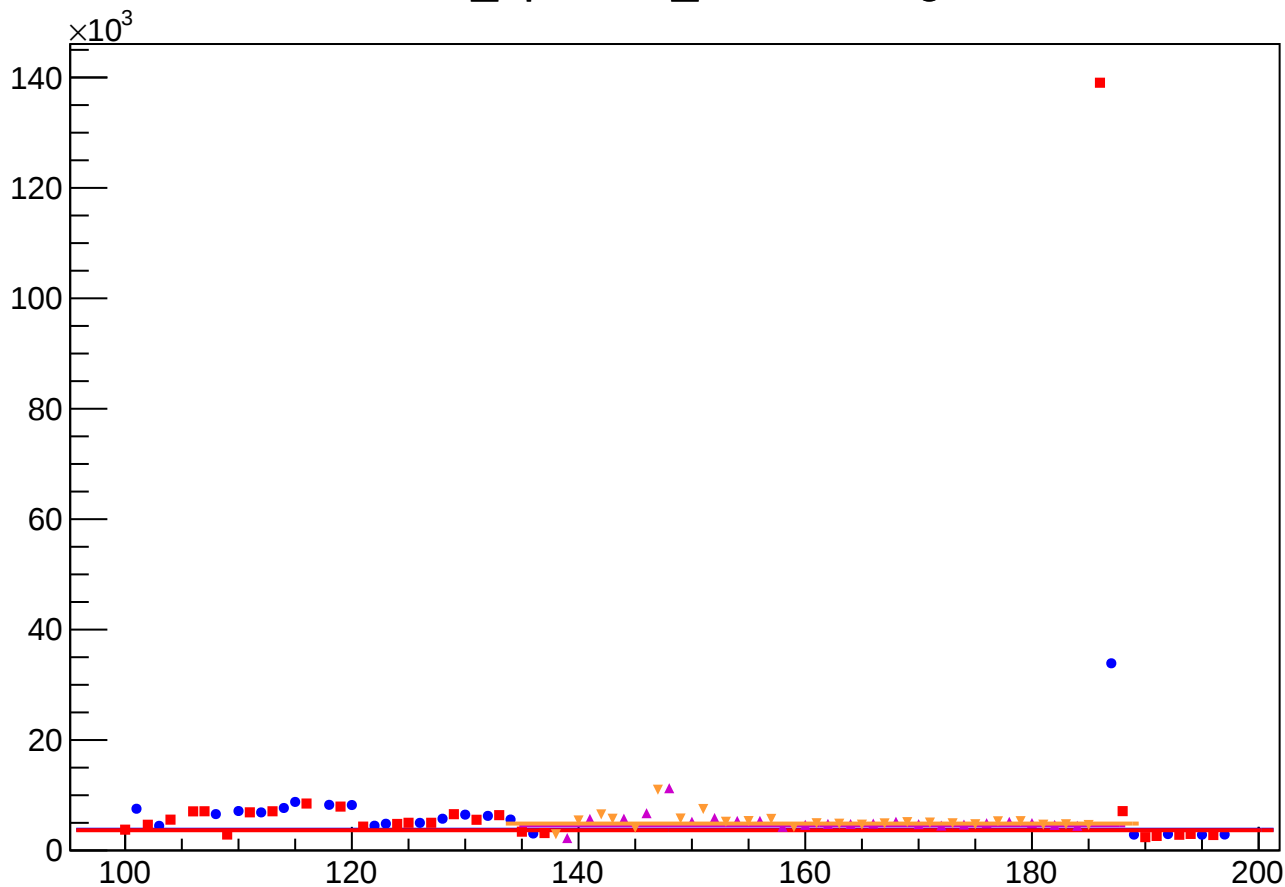
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign -0.436 ± 0.876 χ^2/NDF : 38.7/46

All: -1.035 ± 0.605 χ^2/NDF : 106.0/95

- sign -1.580 ± 0.835 χ^2/NDF : 66.4/48

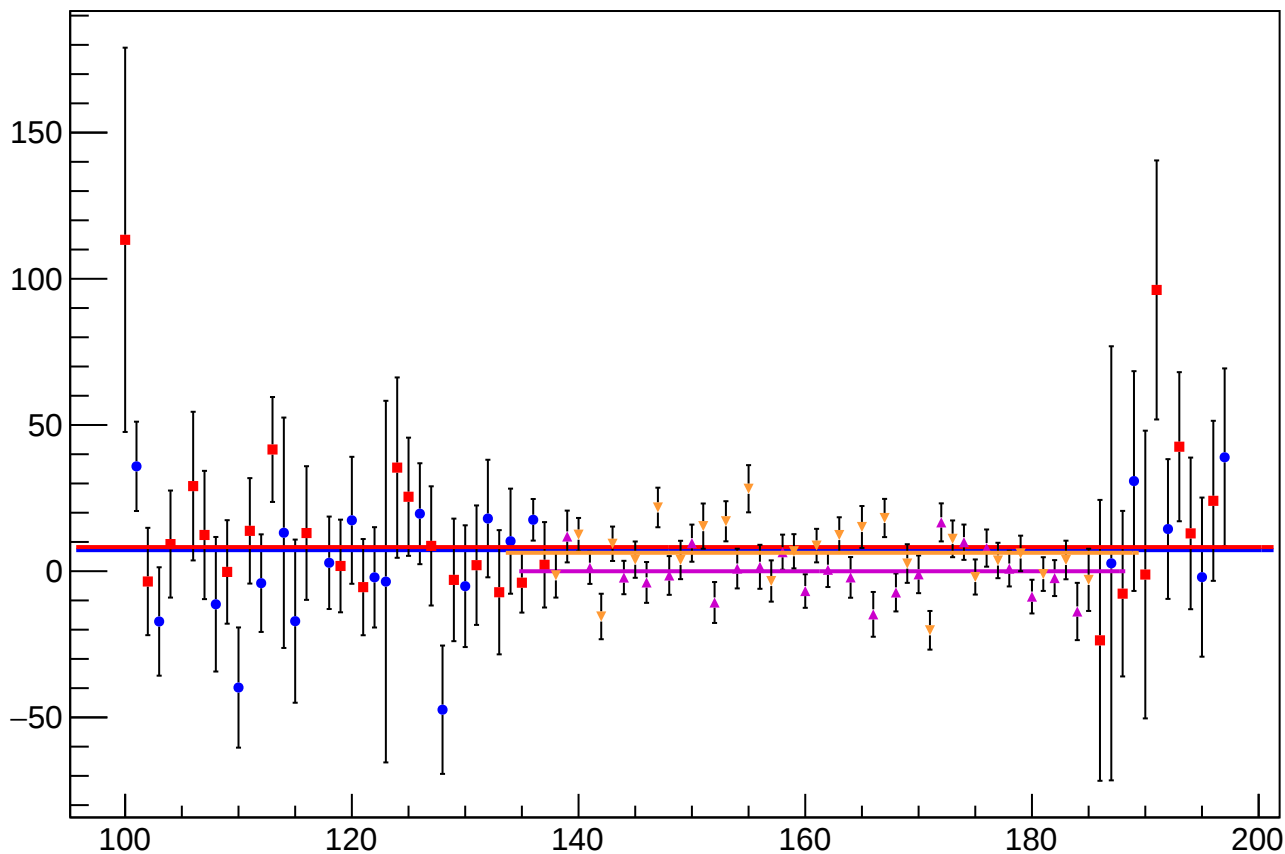
diff_bpm12Y_rms vs Slug



Right In: 3755.082 ± 0.934 χ^2/NDF : 2733807.4/21
 Left Out: 4868.567 ± 0.829 χ^2/NDF : 1511151.0/24
 Right Out: 3662.740 ± 0.866 χ^2/NDF : 3505717.5/25
 Left In: 4544.337 ± 0.808 χ^2/NDF : 2634314.4/22

+ sign 4378.114 ± 0.620 χ^2/NDF : 5040558.1/46
 All: 4250.282 ± 0.428 χ^2/NDF : 11816114.5/9
 - sign 4134.182 ± 0.591 χ^2/NDF : 6694367.9/48

diff_bpm16X_mean vs Slug



Right In: 7.193 ± 3.925 χ^2/NDF : 24.2/21

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 8.247 ± 3.991 χ^2/NDF : 19.3/25

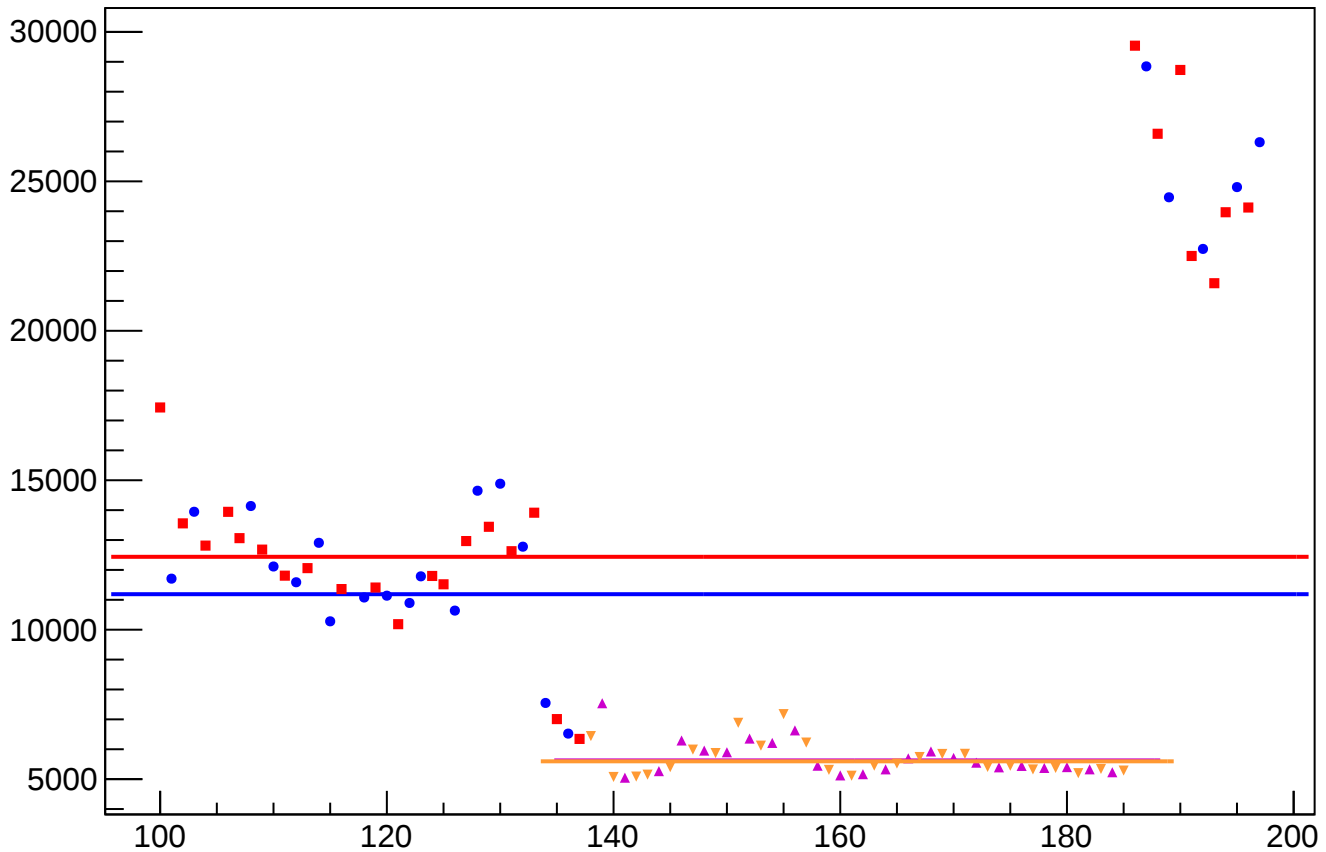
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 6.386 ± 1.243 χ^2/NDF : 80.7/46

All: 3.694 ± 0.892 χ^2/NDF : 143.5/95

- sign 0.832 ± 1.281 χ^2/NDF : 53.1/48

diff_bpm16X_rms vs Slug



Right In: 11187.712 $\pm$ 2.776 χ^2 /NDF: 2986867.1/21

Left Out: 5596.370 $\pm$ 0.926 χ^2 /NDF: 283998.1/24

Right Out: 12438.505 $\pm$ 2.822 χ^2 /NDF: 3109356.7/25

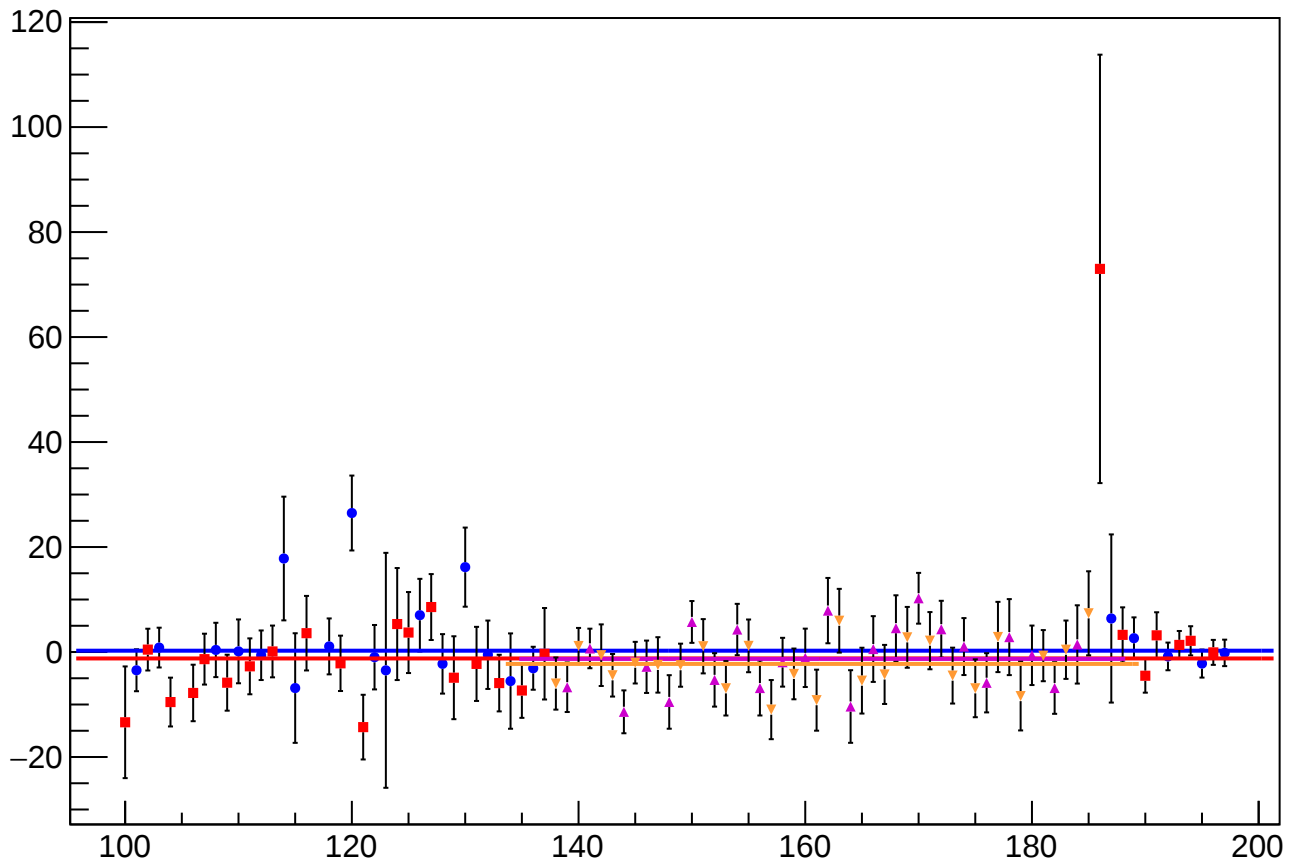
Left In: 5627.283 $\pm$ 0.957 χ^2 /NDF: 279318.7/22

+ sign 6156.820 $\pm$ 0.879 χ^2 /NDF: 6921922.6/46

All: 6240.556 $\pm$ 0.631 χ^2 /NDF: 15554830.3/9

- sign 6329.581 $\pm$ 0.906 χ^2 /NDF: 8614175.0/48

diff_bpm16Y_mean vs Slug



Right In: 0.251 ± 0.992 χ^2/NDF : 25.5/21

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -1.227 ± 0.915 χ^2/NDF : 26.4/25

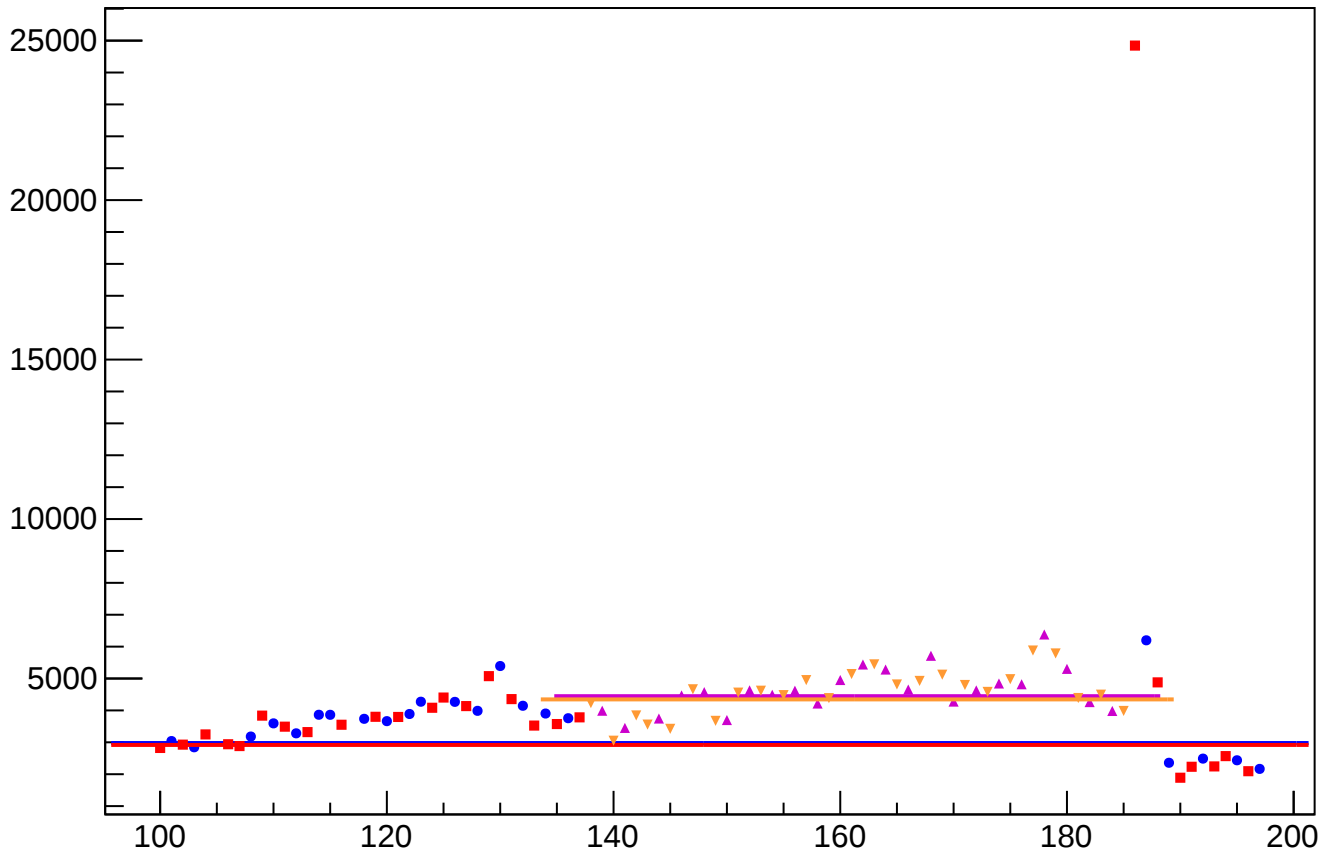
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -0.962 ± 0.714 χ^2/NDF : 43.9/46

All: -1.114 ± 0.499 χ^2/NDF : 101.2/95

- sign -1.260 ± 0.698 χ^2/NDF : 57.2/48

diff_bpm16Y_rms vs Slug



Right In: 2976.972 ± 0.702 $\chi^2/\text{NDF}: 1153393.0/21$

Left Out: 4345.381 ± 0.728 $\chi^2/\text{NDF}: 1000636.1/24$

Right Out: 2917.918 ± 0.647 $\chi^2/\text{NDF}: 2209741.8/25$

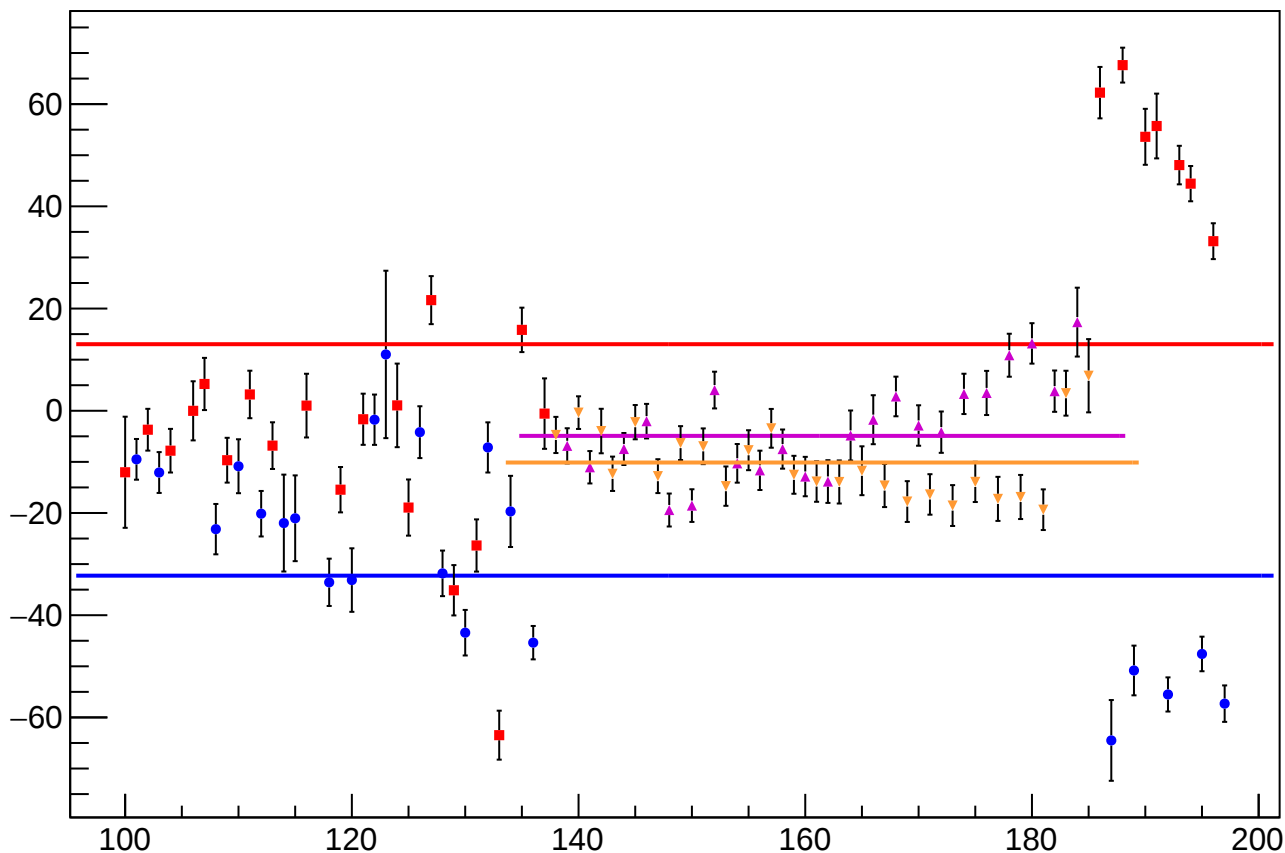
Left In: 4446.181 ± 0.762 $\chi^2/\text{NDF}: 702797.6/22$

+ sign 3636.062 ± 0.505 $\chi^2/\text{NDF}: 3985870.0/46$

All: 3596.549 ± 0.353 $\chi^2/\text{NDF}: 9248237.6/95$

- sign 3558.885 ± 0.493 $\chi^2/\text{NDF}: 5250418.4/48$

diff_bpm0l01X_mean vs Slug



Right In: -32.263 ± 0.997 χ^2/NDF : 365.7/21

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 13.026 ± 0.927 χ^2/NDF : 1264.8/25

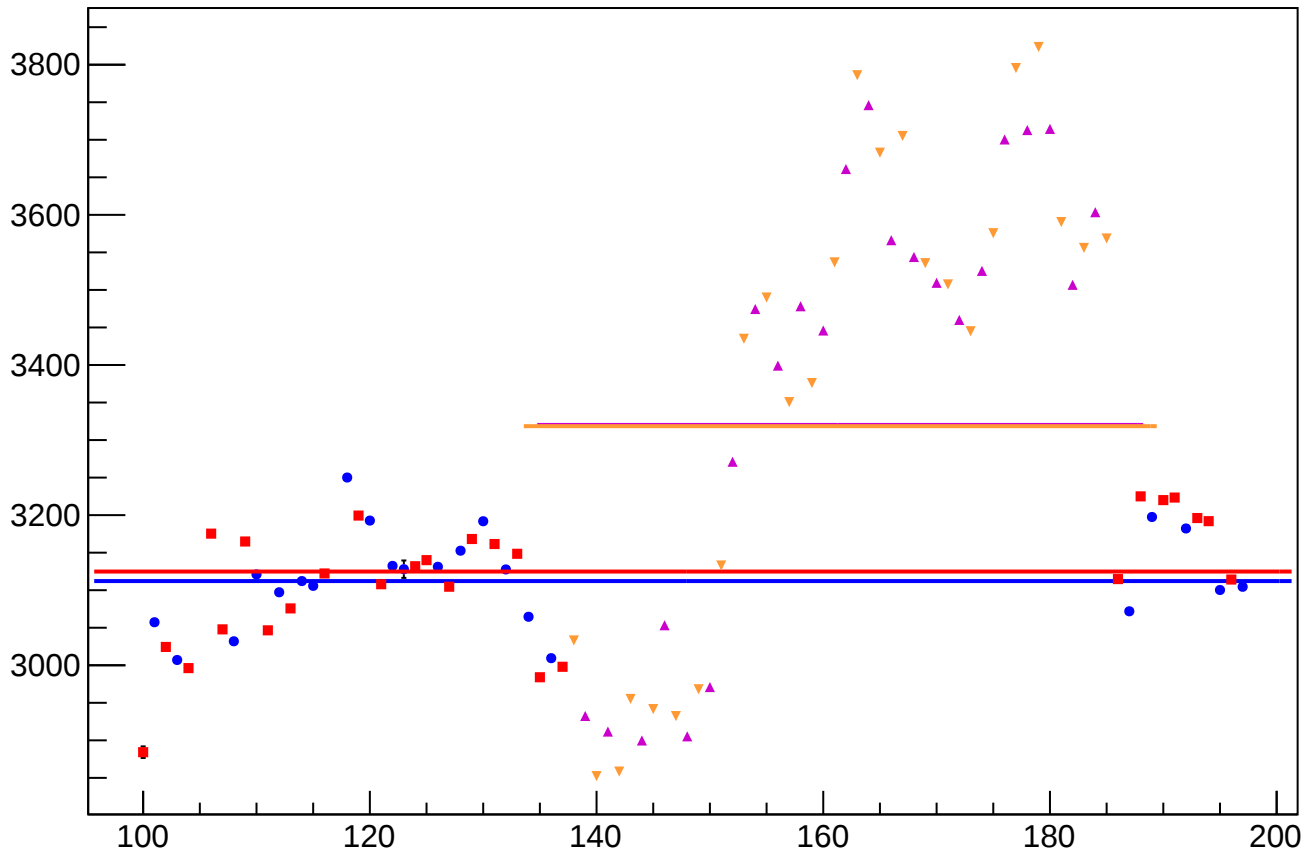
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -18.466 ± 0.612 χ^2/NDF : 740.7/46

All: -7.740 ± 0.430 χ^2/NDF : 2954.8/95

- sign 2.714 ± 0.604 χ^2/NDF : 1607.9/48

diff_bpm0l01X_rms vs Slug



Right In: 3112.156+/-0.705 χ^2/NDF : 8974.4/21

Left Out: 3318.506+/-0.548 χ^2/NDF : 337694.2/24

Right Out: 3124.861+/-0.655 χ^2/NDF : 13608.5/25

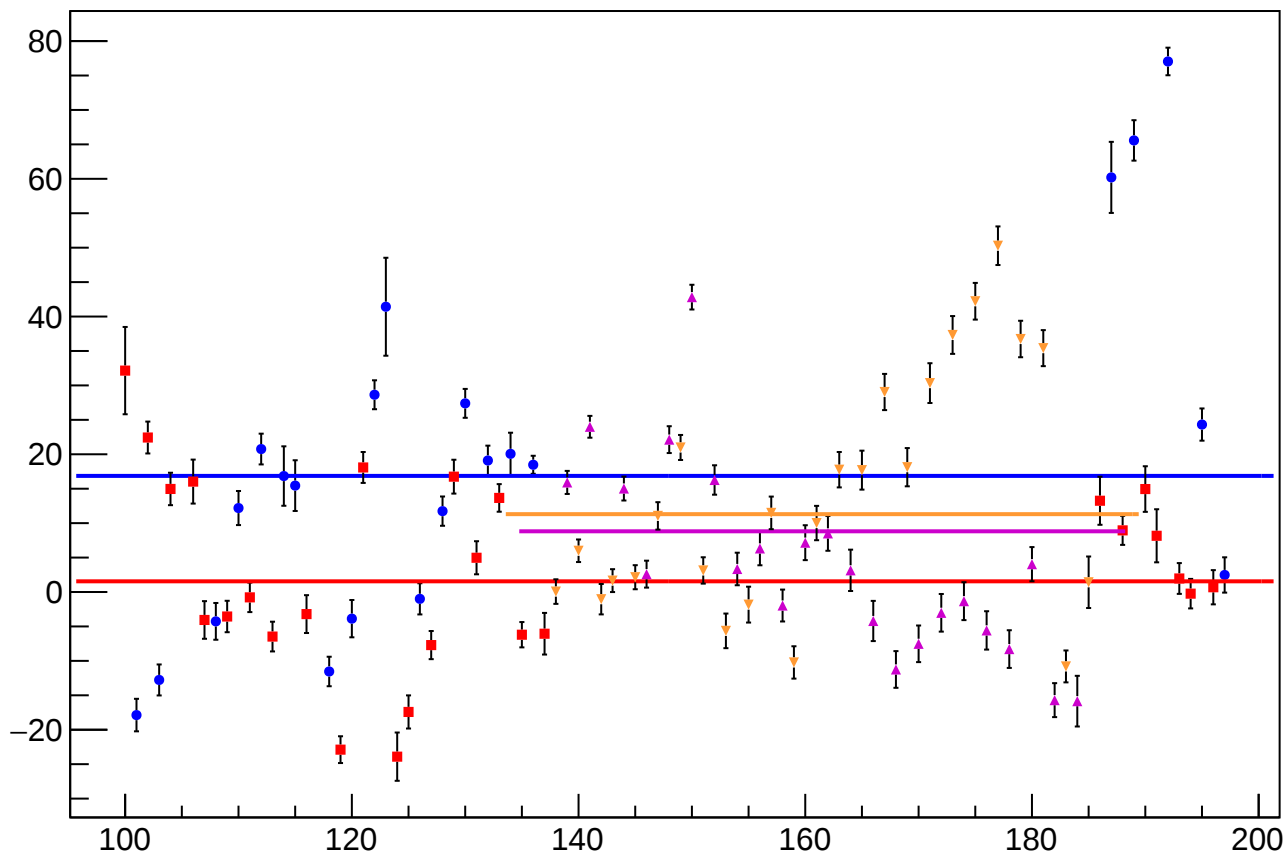
Left In: 3320.170+/-0.564 χ^2/NDF : 287634.9/22

+ sign 3240.761+/-0.433 χ^2/NDF : 400025.3/46

All: 3238.928+/-0.304 χ^2/NDF : 752345.6/95

- sign 3237.141+/-0.427 χ^2/NDF : 352284.9/48

diff_bpm0l01Y_mean vs Slug



Right In: 16.861 $\pm$ 0.507 χ^2 /NDF: 2123.7/21

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF:1144.3/24

Right Out: 1.552 $\pm$ 0.478 χ^2 /NDF: 677.2/25

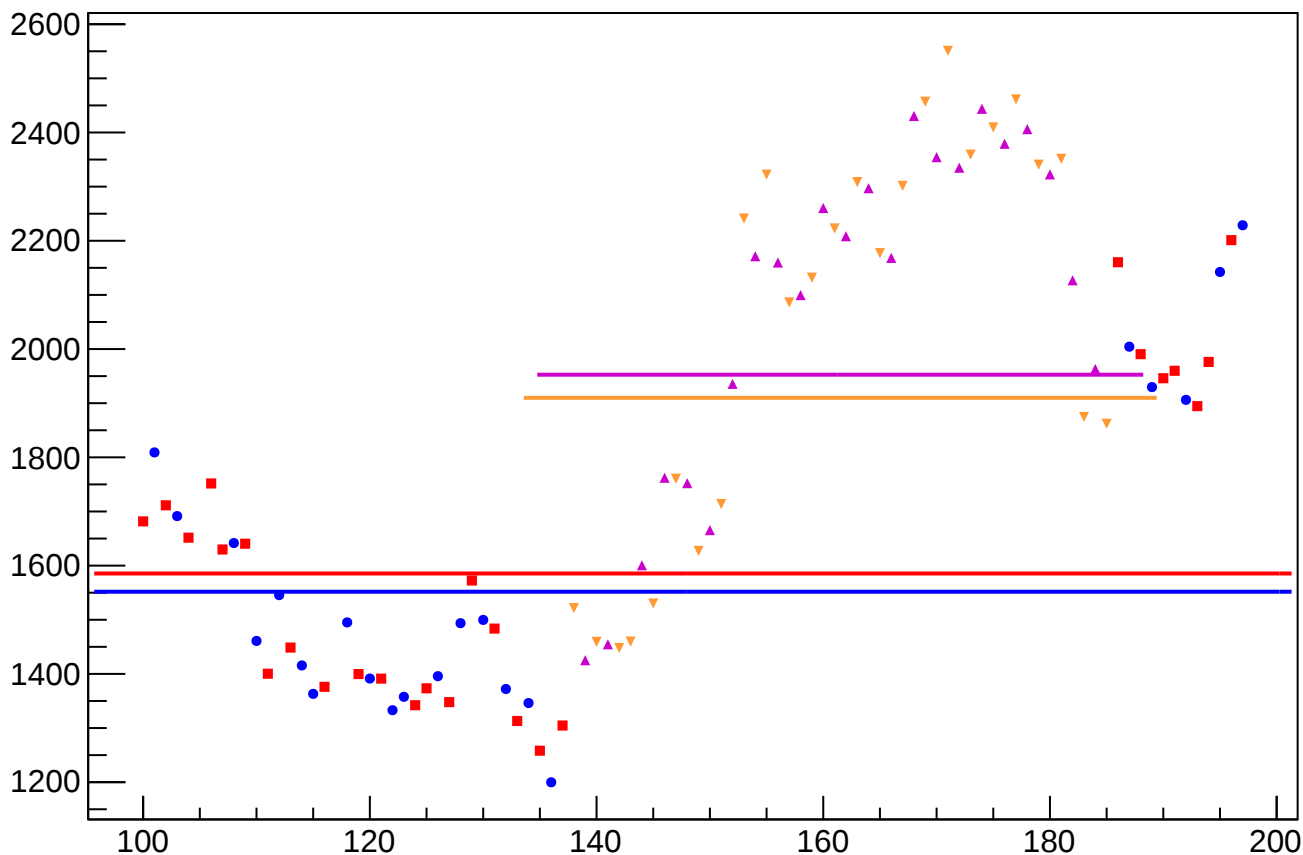
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF:942.2/22

+ sign 13.779 $\pm$ 0.338 χ^2 /NDF: 3334.7/46

All: 9.479 $\pm$ 0.239 χ^2 /NDF: 5392.8/95

- sign 5.204 $\pm$ 0.337 χ^2 /NDF: 1735.4/48

diff_bpm0l01Y_rms vs Slug



Right In: 1551.793 $\pm$ 0.358 χ^2 /NDF: 633306.2/21

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1585.461 $\pm$ 0.338 χ^2 /NDF: 654451.5/25

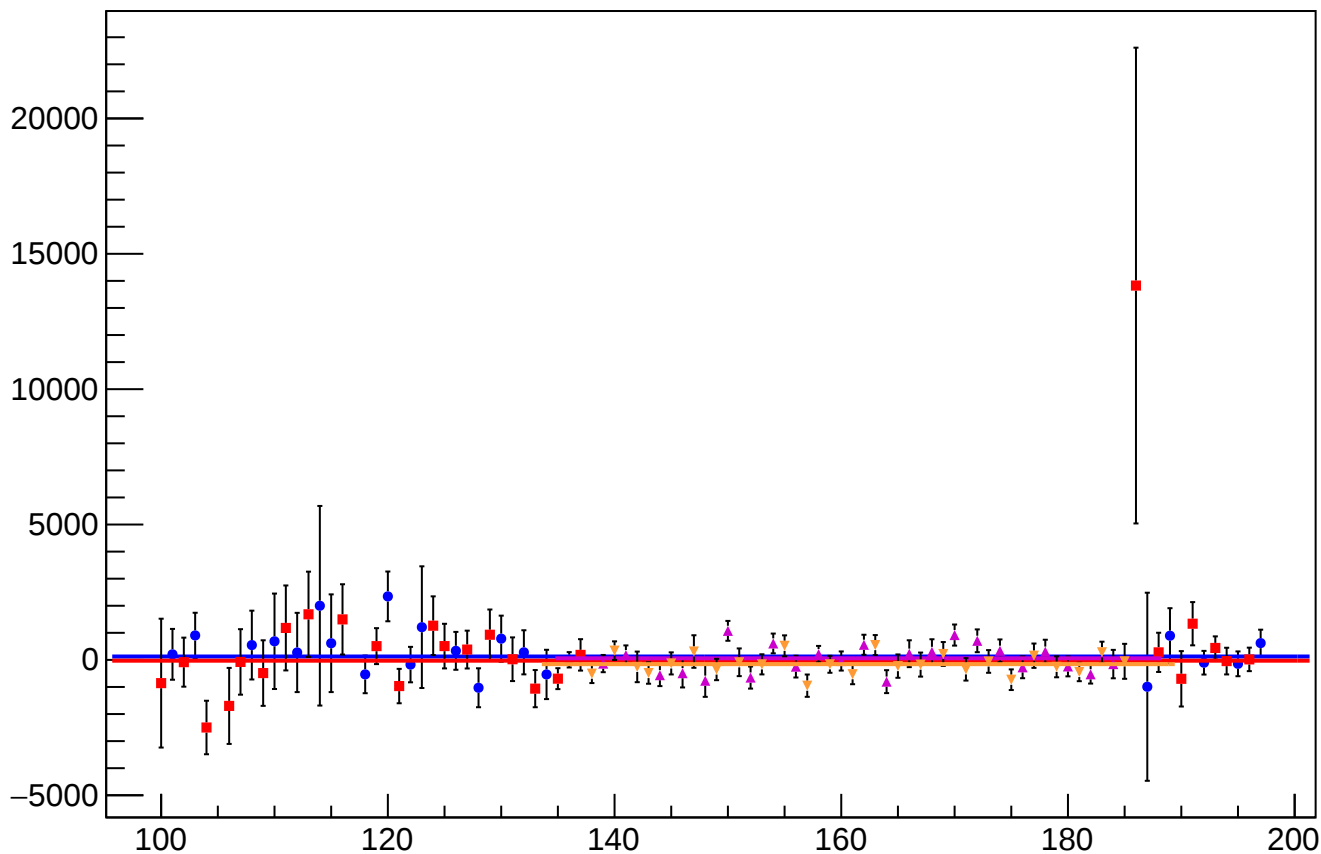
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1750.495 $\pm$ 0.239 χ^2 /NDF: 2587360.6/46

All: 1760.315 $\pm$ 0.169 χ^2 /NDF: 4903772.3/95

- sign 1770.079 $\pm$ 0.238 χ^2 /NDF: 2313045.7/48

asym_sam1_mean vs Slug



Right In: 125.220 ± 147.804 χ^2/NDF : 14.9/21

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -29.032 ± 143.413 χ^2/NDF : 29.8/25

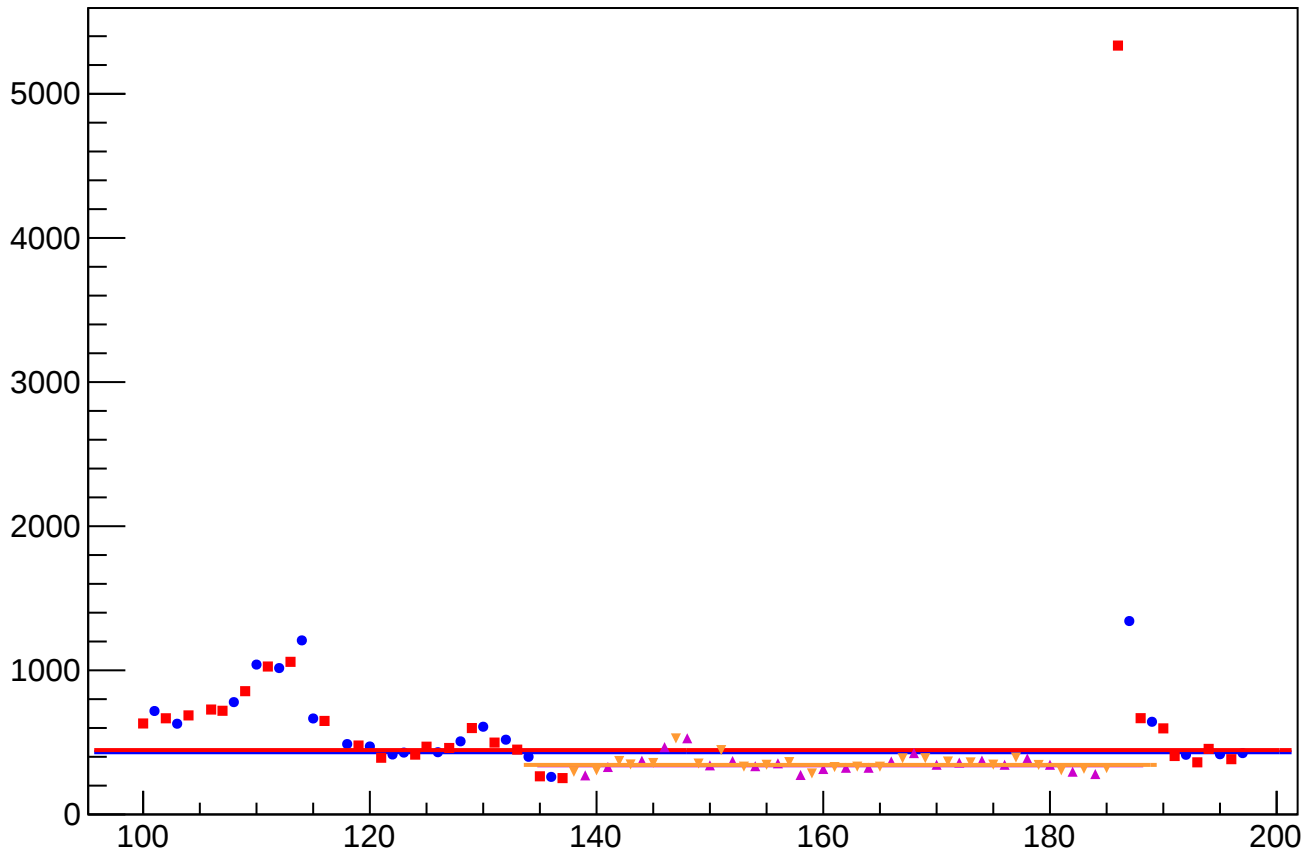
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -92.256 ± 70.895 χ^2/NDF : 39.8/46

All: -28.224 ± 50.366 χ^2/NDF : 110.0/95

- sign 37.028 ± 71.567 χ^2/NDF : 68.6/48

asym_sam1_rms vs Slug



Right In: 431.607 $\pm$ 0.105 χ^2 /NDF: 2236779.6/21

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 446.691 $\pm$ 0.101 χ^2 /NDF: 3011350.0/25

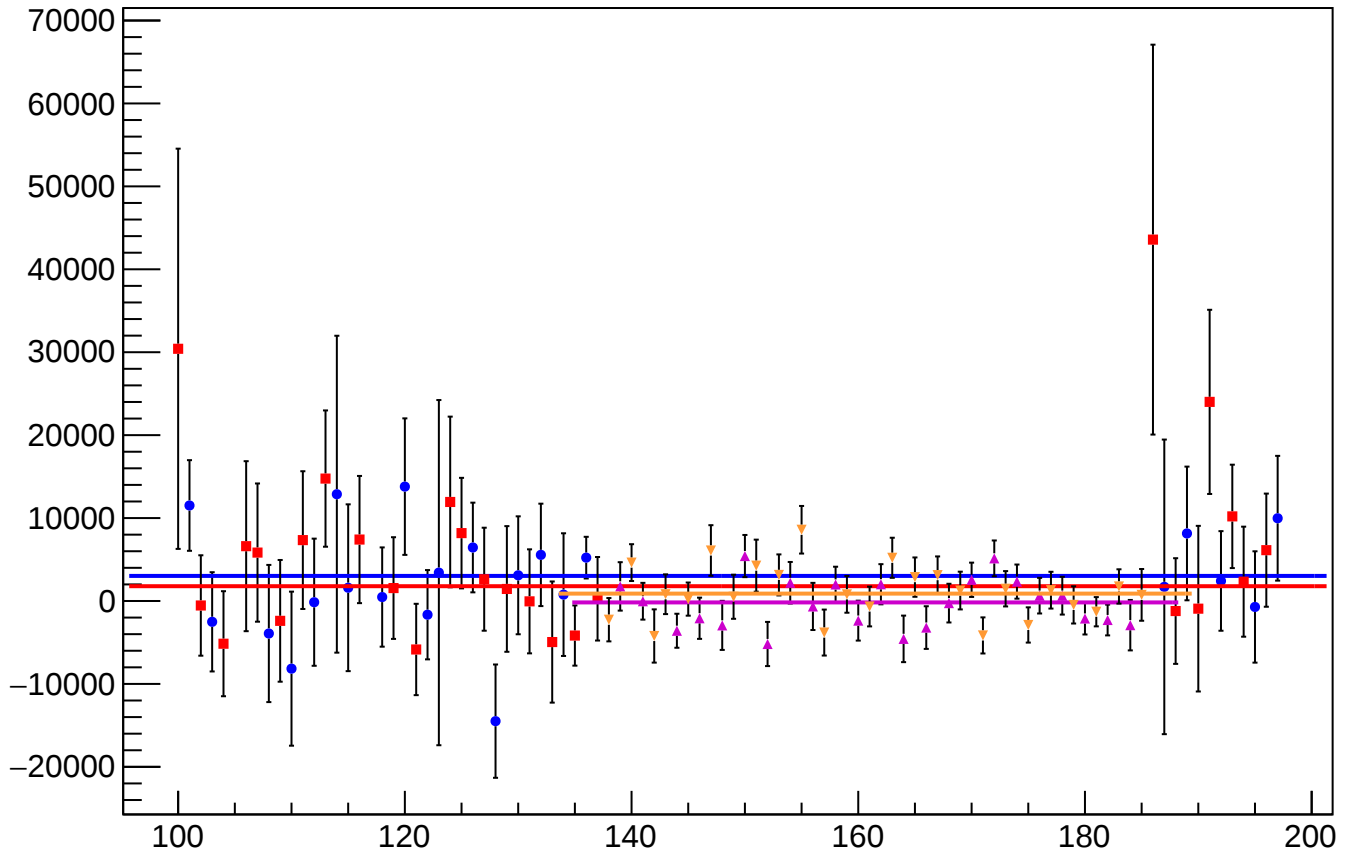
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 364.007 $\pm$ 0.050 χ^2 /NDF: 3319586.0/46

All: 365.602 $\pm$ 0.036 χ^2 /NDF: 7875309.2/95

- sign 367.227 $\pm$ 0.051 χ^2 /NDF: 4553679.6/48

asym_sam2_mean vs Slug



Right In: 3025.017 $\pm$ 1334.811 χ^2 /NDF: 18.1/21

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF: 38.0/24

Right Out: 1783.788 $\pm$ 1346.481 χ^2 /NDF: 24.3/25

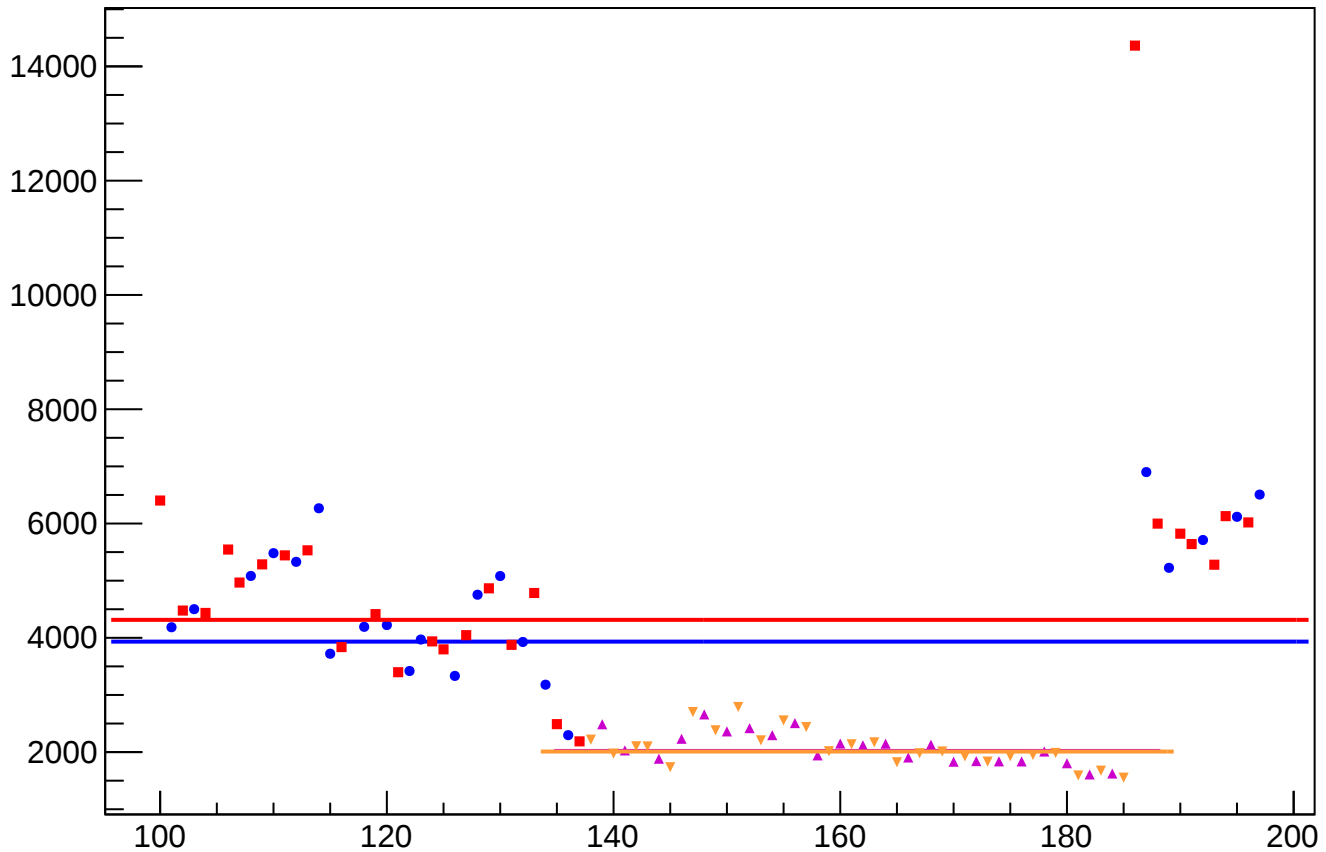
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF: 33.2/22

+ sign 1128.769 $\pm$ 446.055 χ^2 /NDF: 58.3/46

All: 606.961 $\pm$ 319.837 χ^2 /NDF: 120.5/95

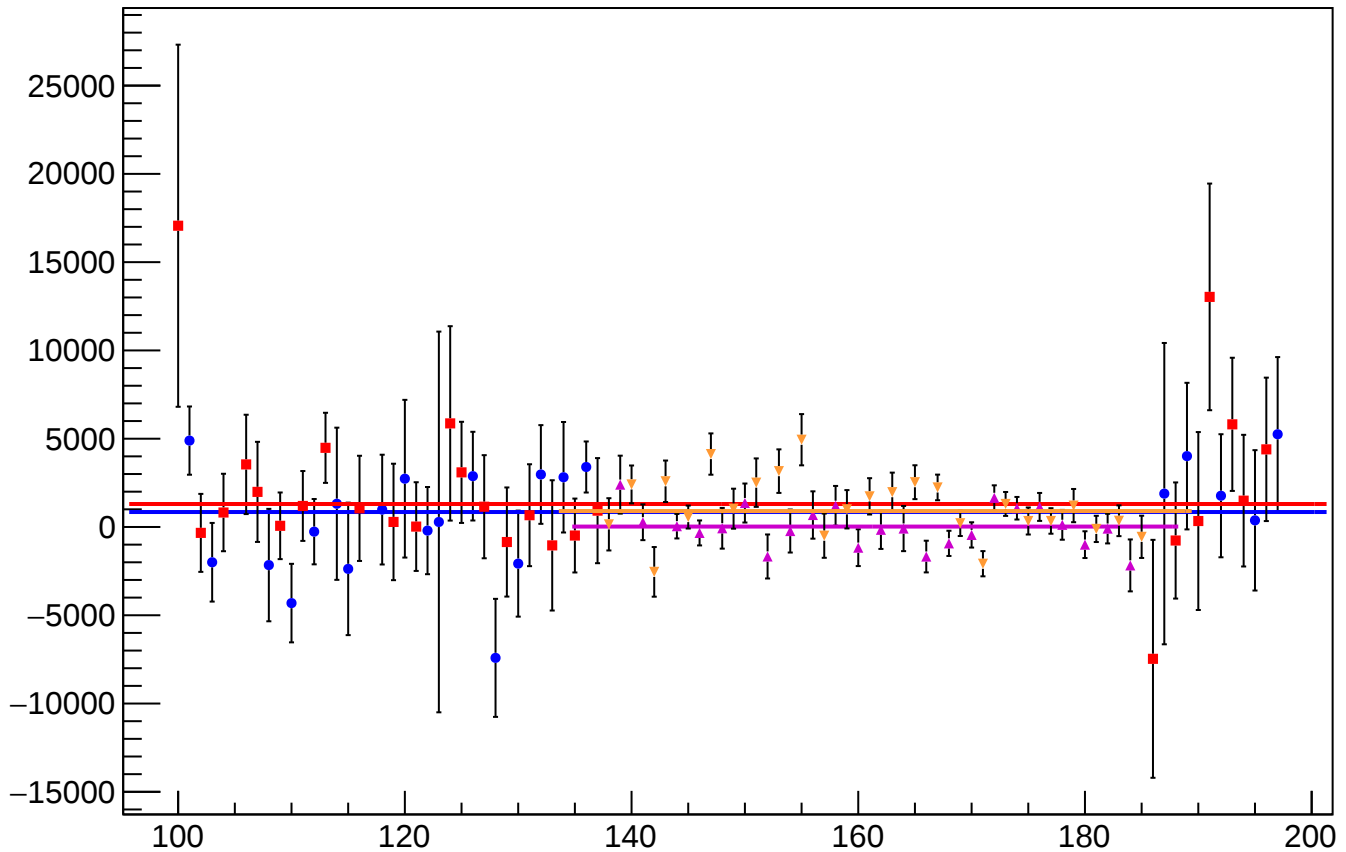
- sign 54.781 $\pm$ 458.853 χ^2 /NDF: 59.3/48

asym_sam2_rms vs Slug



Right In: 3933.338+/-0.944	χ^2/NDF : 1941545.3/21	+ sign 2224.452+/-0.315	χ^2/NDF : 6341659.8/46
Left Out: 2009.631+/-0.335	χ^2/NDF : 709977.6/24	All: 2254.731+/-0.226	χ^2/NDF : 14113705.1/9
Right Out: 4314.400+/-0.952	χ^2/NDF : 2048411.7/25	- sign 2286.773+/-0.324	χ^2/NDF : 7753076.9/48
Left In: 2020.365+/-0.345	χ^2/NDF : 573483.0/22		

asym_sam3_mean vs Slug



Right In: 847.393 ± 592.325 $\chi^2/\text{NDF}: 27.2/21$

Left Out: 902.091 ± 185.850 $\chi^2/\text{NDF}: 63.5/24$

Right Out: 1301.567 ± 566.238 $\chi^2/\text{NDF}: 17.3/25$

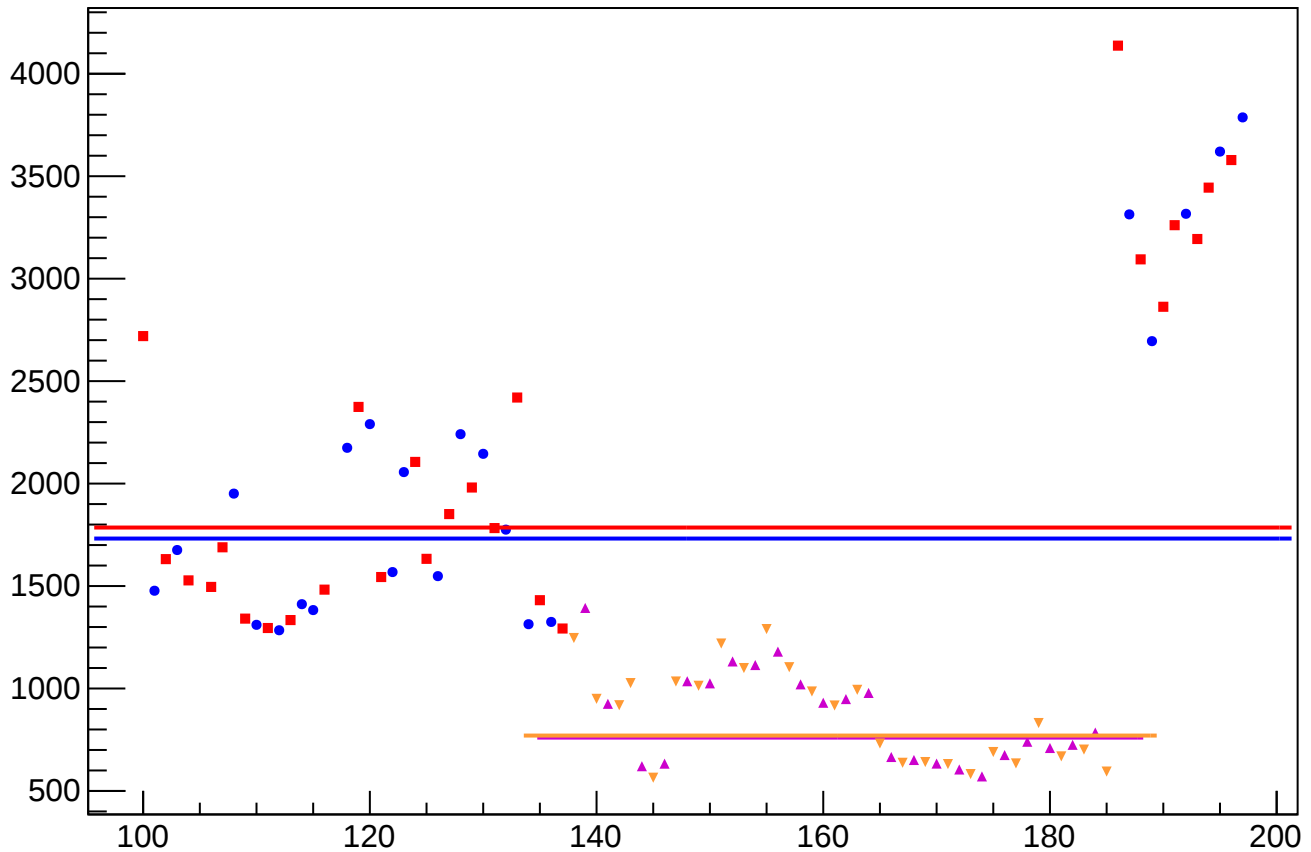
Left In: 23.529 ± 188.137 $\chi^2/\text{NDF}: 28.2/22$

+ sign 897.189 ± 177.326 $\chi^2/\text{NDF}: 90.8/46$

All: 526.436 ± 125.815 $\chi^2/\text{NDF}: 149.7/95$

- sign 150.591 ± 178.540 $\chi^2/\text{NDF}: 50.1/48$

asym_sam3_rms vs Slug



Right In: 1731.754 $\pm$ 0.419 χ^2 /NDF: 2118193.3/21

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF: 2287655.1/24

Right Out: 1785.486 $\pm$ 0.400 χ^2 /NDF: 2532471.7/25

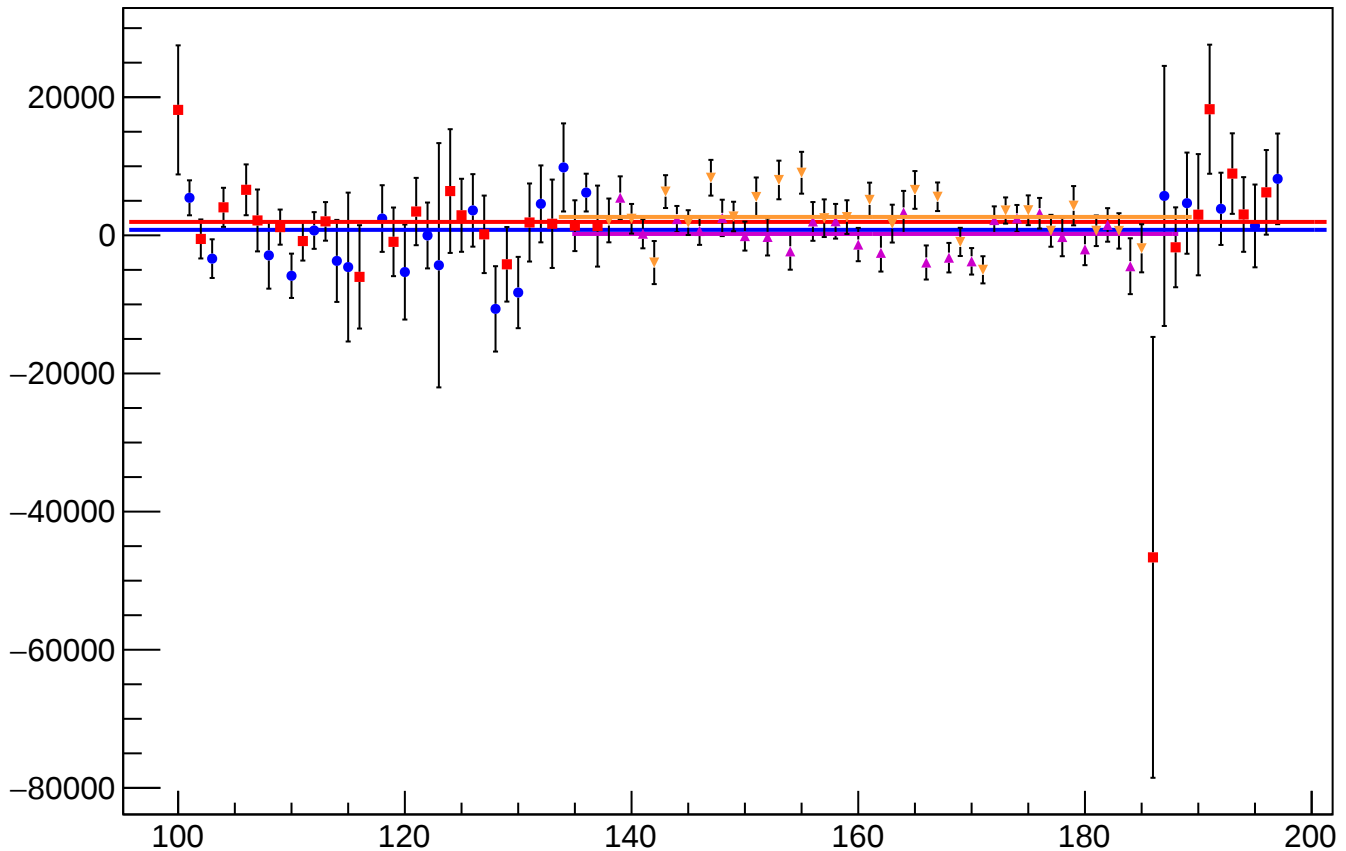
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 856.488 $\pm$ 0.125 χ^2 /NDF: 9202842.6/46

All: 859.359 $\pm$ 0.089 χ^2 /NDF: 19626711.7/95

- sign 862.270 $\pm$ 0.126 χ^2 /NDF: 10422813.0/48

asym_sam4_mean vs Slug



Right In: 794.113 $\pm$ 947.877 χ^2 /NDF: 27.4/21

Left Out: 2665.587 $\pm$ 479.773 χ^2 /NDF: 49.2/24

Right Out: 1943.509 $\pm$ 872.917 χ^2 /NDF: 18.0/25

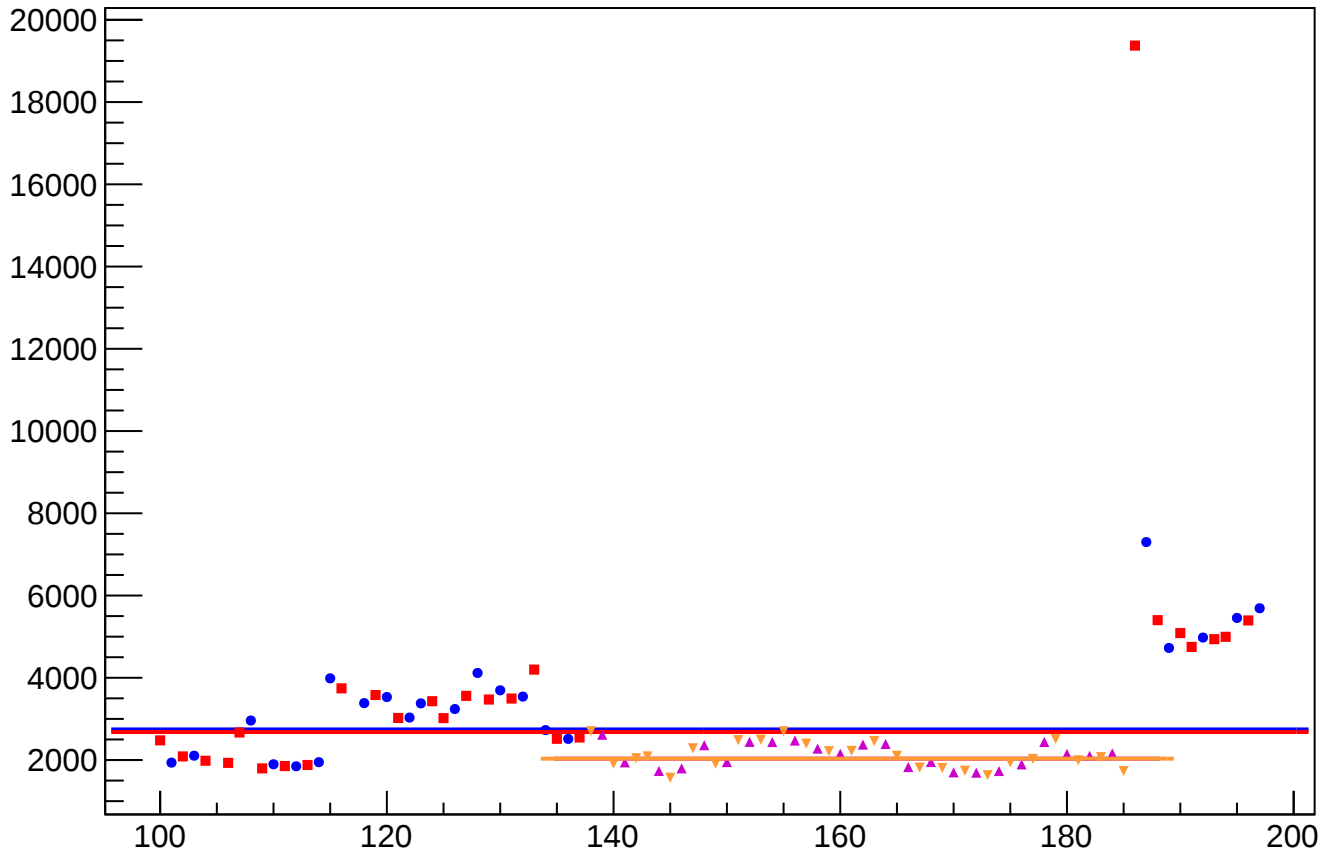
Left In: 199.371 $\pm$ 492.082 χ^2 /NDF: 25.8/22

+ sign 2283.911 $\pm$ 428.063 χ^2 /NDF: 79.7/46

All: 1453.104 $\pm$ 302.898 χ^2 /NDF: 134.1/95

- sign 619.968 $\pm$ 428.663 χ^2 /NDF: 46.8/48

asym_sam4_rms vs Slug



Right In: 2743.602 $\pm$ 0.670 χ^2 /NDF: 2493004.5/21

Left Out: 2033.337 $\pm$ 0.339 χ^2 /NDF: 824062.2/24

Right Out: 2681.429 $\pm$ 0.617 χ^2 /NDF: 3558279.6/25

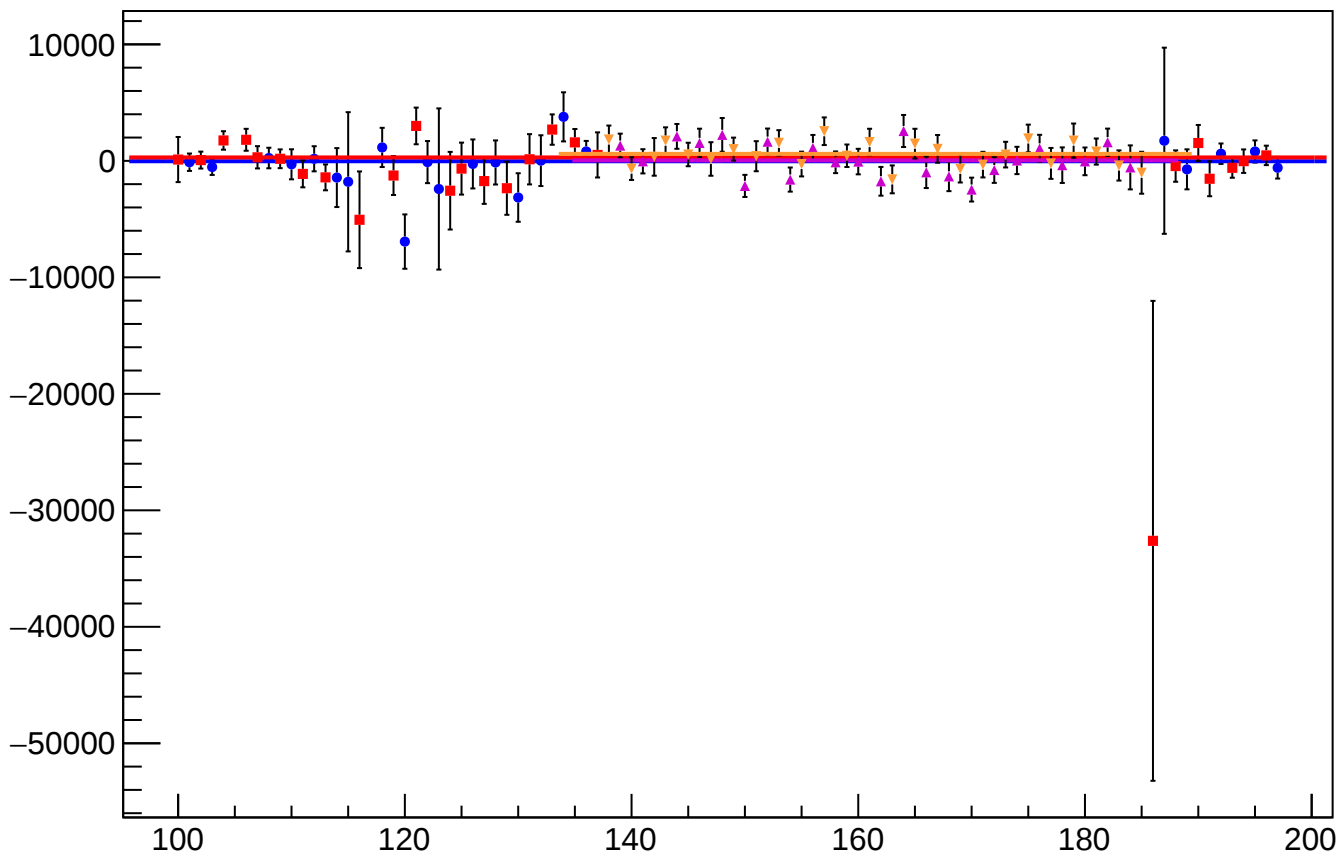
Left In: 2032.655 $\pm$ 0.348 χ^2 /NDF: 652763.7/22

+ sign 2178.191 $\pm$ 0.303 χ^2 /NDF: 4211010.5/46

All: 2183.641 $\pm$ 0.214 χ^2 /NDF: 9261058.3/95

- sign 2189.106 $\pm$ 0.303 χ^2 /NDF: 5049398.6/48

asym_sam5_mean vs Slug



Right In: -34.112 ± 266.522 χ^2/NDF : 18.8/21

Left Out: 600.005 ± 234.968 χ^2/NDF : 18.5/24

Right Out: 294.379 ± 237.805 χ^2/NDF : 29.7/25

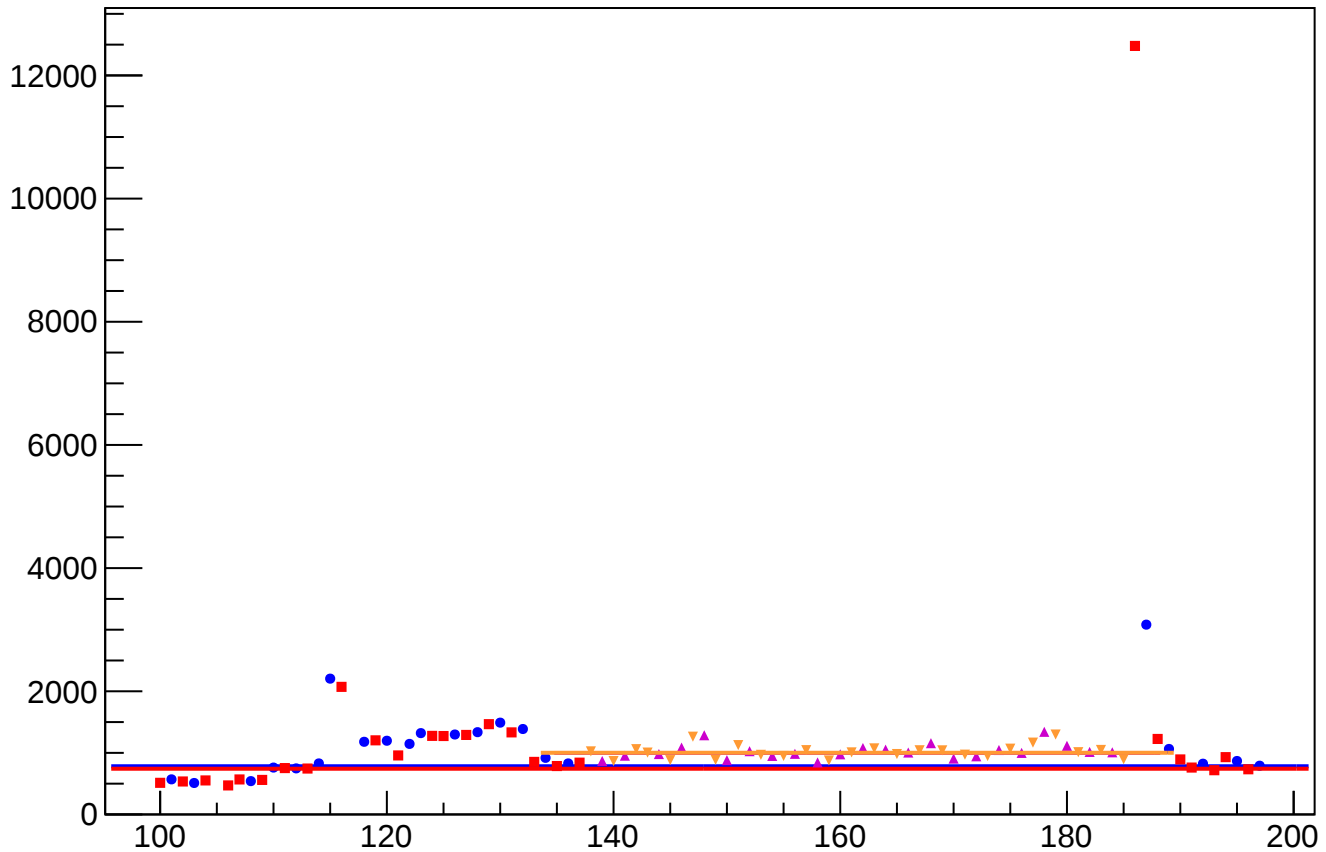
Left In: 41.559 ± 240.807 χ^2/NDF : 36.4/22

+ sign 322.689 ± 176.253 χ^2/NDF : 40.4/46

All: 242.999 ± 122.062 χ^2/NDF : 107.4/95

- sign 169.555 ± 169.205 χ^2/NDF : 66.6/48

asym_sam5_rms vs Slug



Right In: 782.726+/-0.188 χ^2/NDF : 1945475.0/21

Left Out: 1001.472+/-0.166 χ^2/NDF : 370299.3/24

Right Out: 742.468+/-0.168 χ^2/NDF : 2727065.7/25

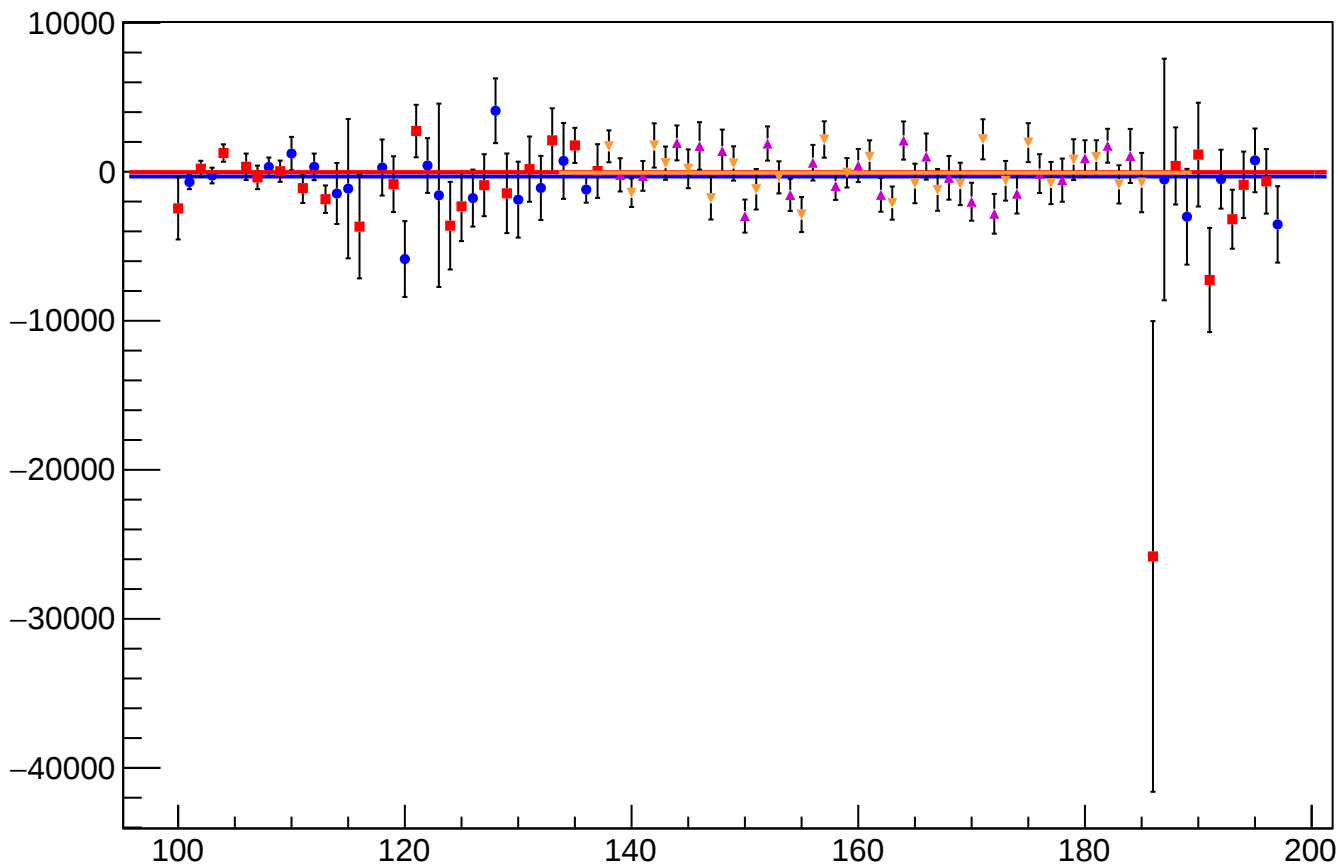
Left In: 998.050+/-0.170 χ^2/NDF : 404656.2/22

+ sign 905.809+/-0.125 χ^2/NDF : 3073820.2/46

All: 886.474+/-0.086 χ^2/NDF : 7392398.9/95

- sign 868.655+/-0.120 χ^2/NDF : 4272332.4/48

asym_sam6_mean vs Slug



Right In: -318.534 ± 245.059 χ^2/NDF : 18.4/21

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -22.410 ± 239.156 χ^2/NDF : 31.6/25

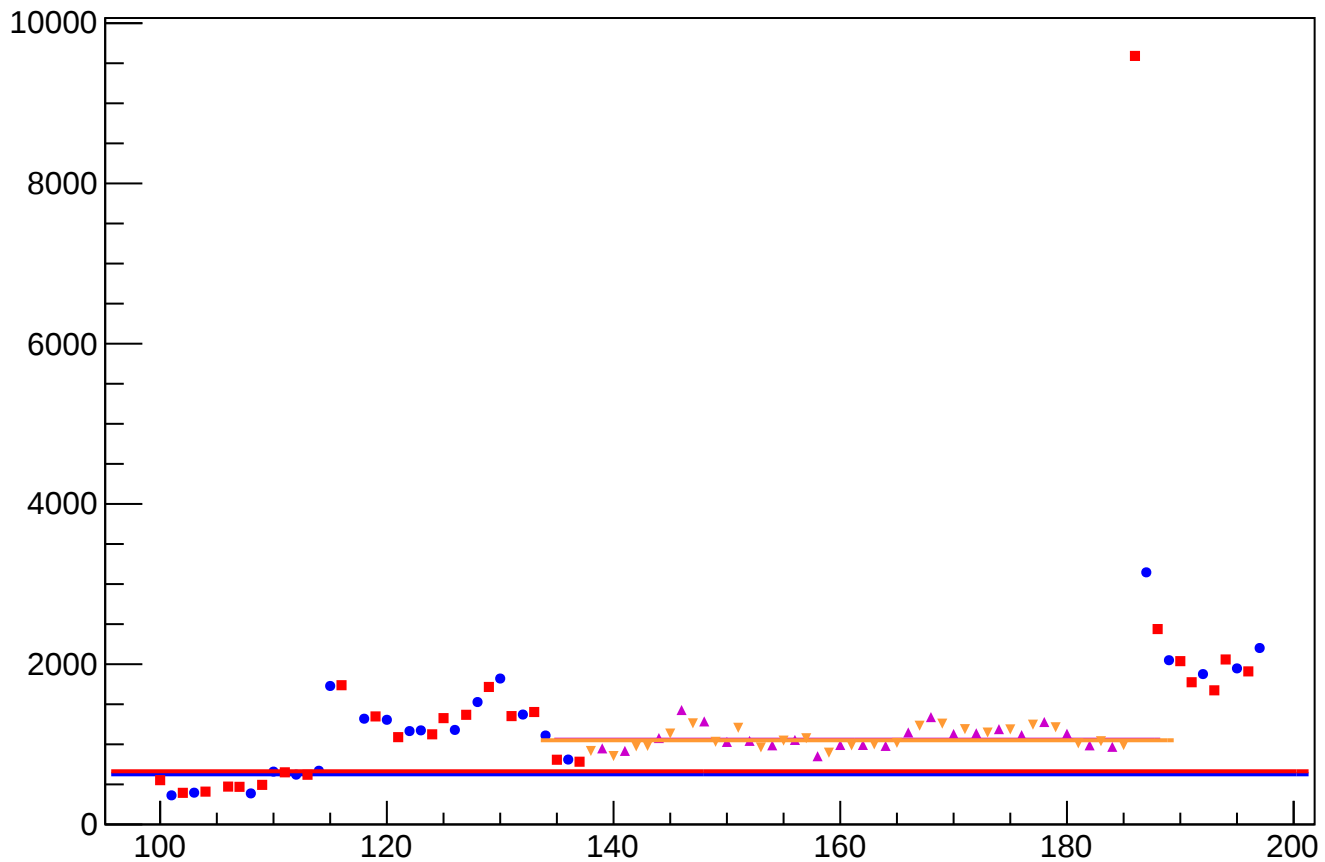
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -189.941 ± 173.791 χ^2/NDF : 49.9/46

All: -127.477 ± 123.164 χ^2/NDF : 116.7/95

- sign -64.450 ± 174.572 χ^2/NDF : 66.5/48

asym_sam6_rms vs Slug



Right In: 625.753+/-0.173 χ^2/NDF : 6251066.4/21

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 663.733+/-0.169 χ^2/NDF : 7082062.7/25

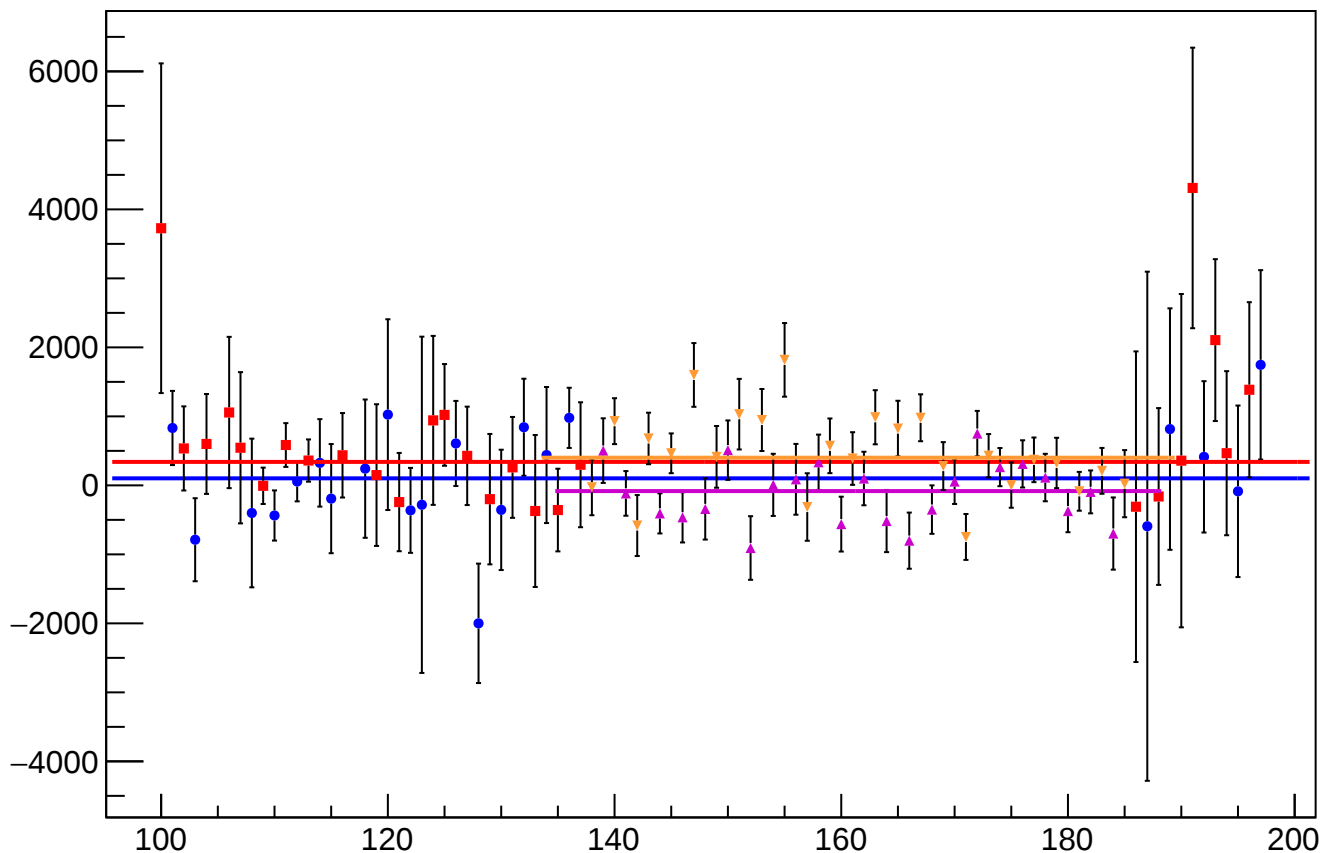
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 836.953+/-0.123 χ^2/NDF : 9722790.3/46

All: 842.436+/-0.087 χ^2/NDF : 19878042.4/95

- sign 847.969+/-0.123 χ^2/NDF : 10151252.3/48

asym_sam7_mean vs Slug



Right In: 101.899 ± 139.853 χ^2/NDF : 21.6/21

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 340.193 ± 126.374 χ^2/NDF : 16.0/25

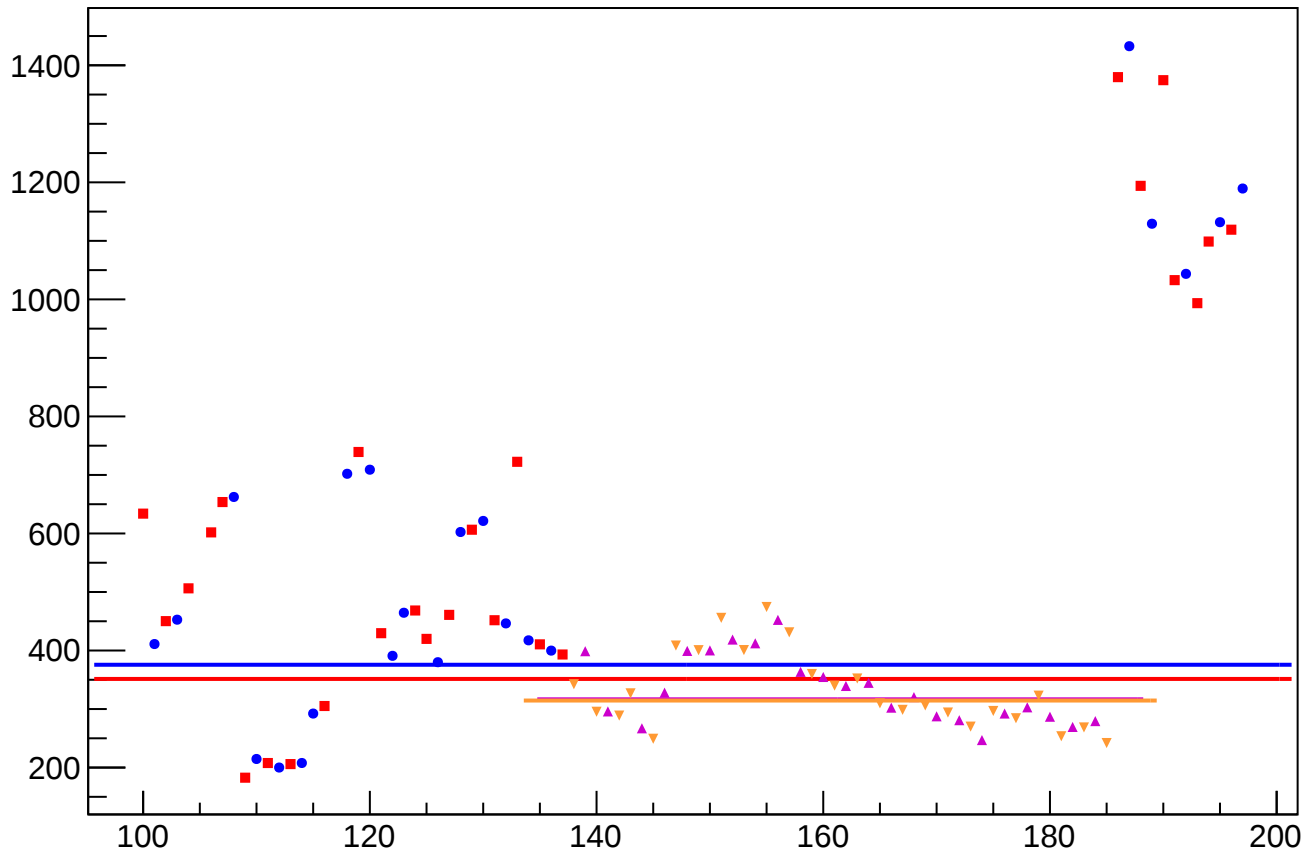
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 334.811 ± 65.784 χ^2/NDF : 77.3/46

All: 182.924 ± 46.485 χ^2/NDF : 141.1/95

- sign 31.446 ± 65.696 χ^2/NDF : 53.2/48

asym_sam7_rms vs Slug



Right In: 375.667+/-0.099 χ^2/NDF : 4861283.7/21

Left Out: 314.538+/-0.053 χ^2/NDF :1112445.6/24

Right Out: 351.436+/-0.089 χ^2/NDF : 6934845.4/25

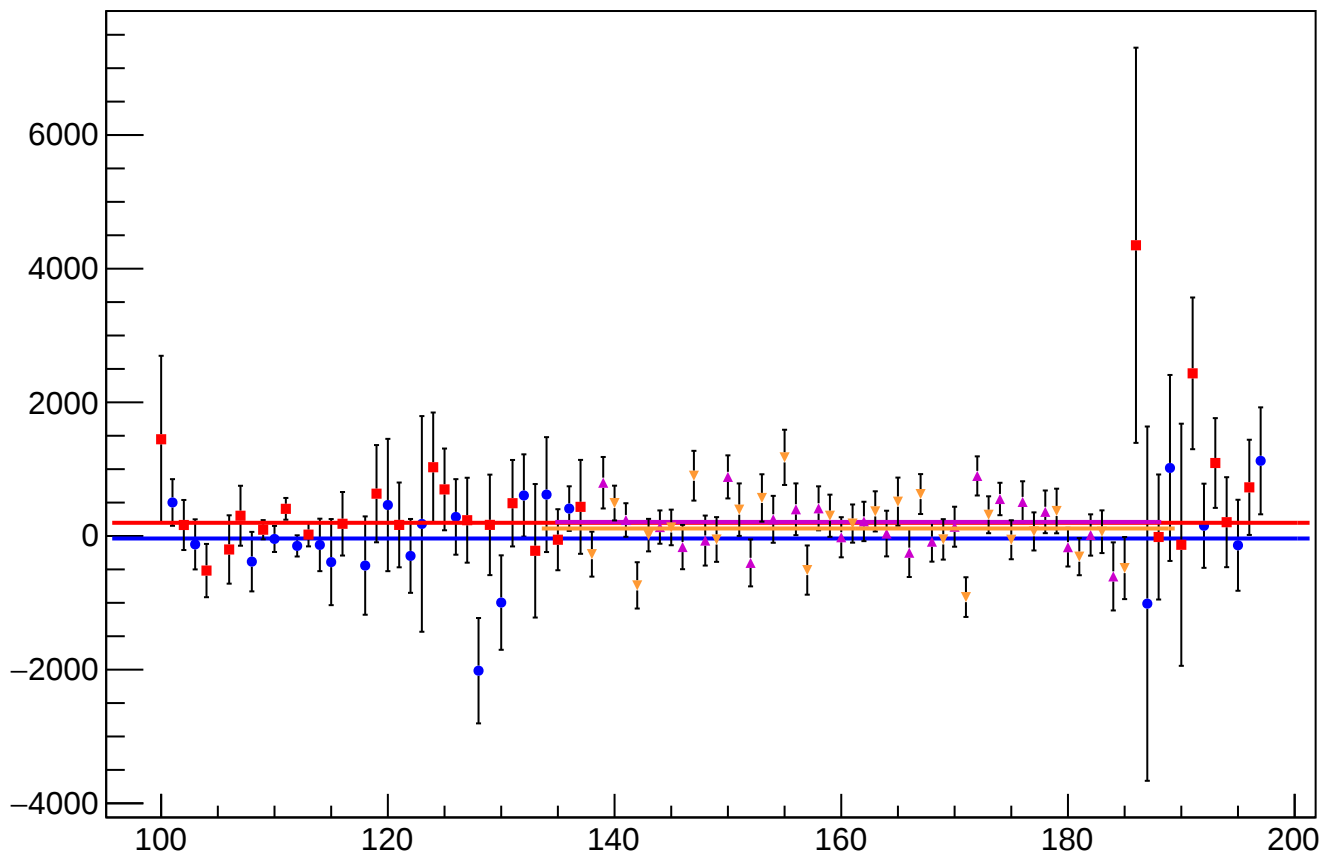
Left In: 316.647+/-0.054 χ^2/NDF :920874.0/22

+ sign 328.064+/-0.047 χ^2/NDF : 6271289.1/46

All: 327.055+/-0.033 χ^2/NDF : 14238557.8/99

- sign 326.049+/-0.046 χ^2/NDF : 7966329.1/48

asym_sam8_mean vs Slug



Right In: -37.423 ± 88.225 $\chi^2/\text{NDF}: 19.6/21$

Left Out: 112.242 ± 62.643 $\chi^2/\text{NDF}: 49.1/24$

Right Out: 197.457 ± 75.051 $\chi^2/\text{NDF}: 19.2/25$

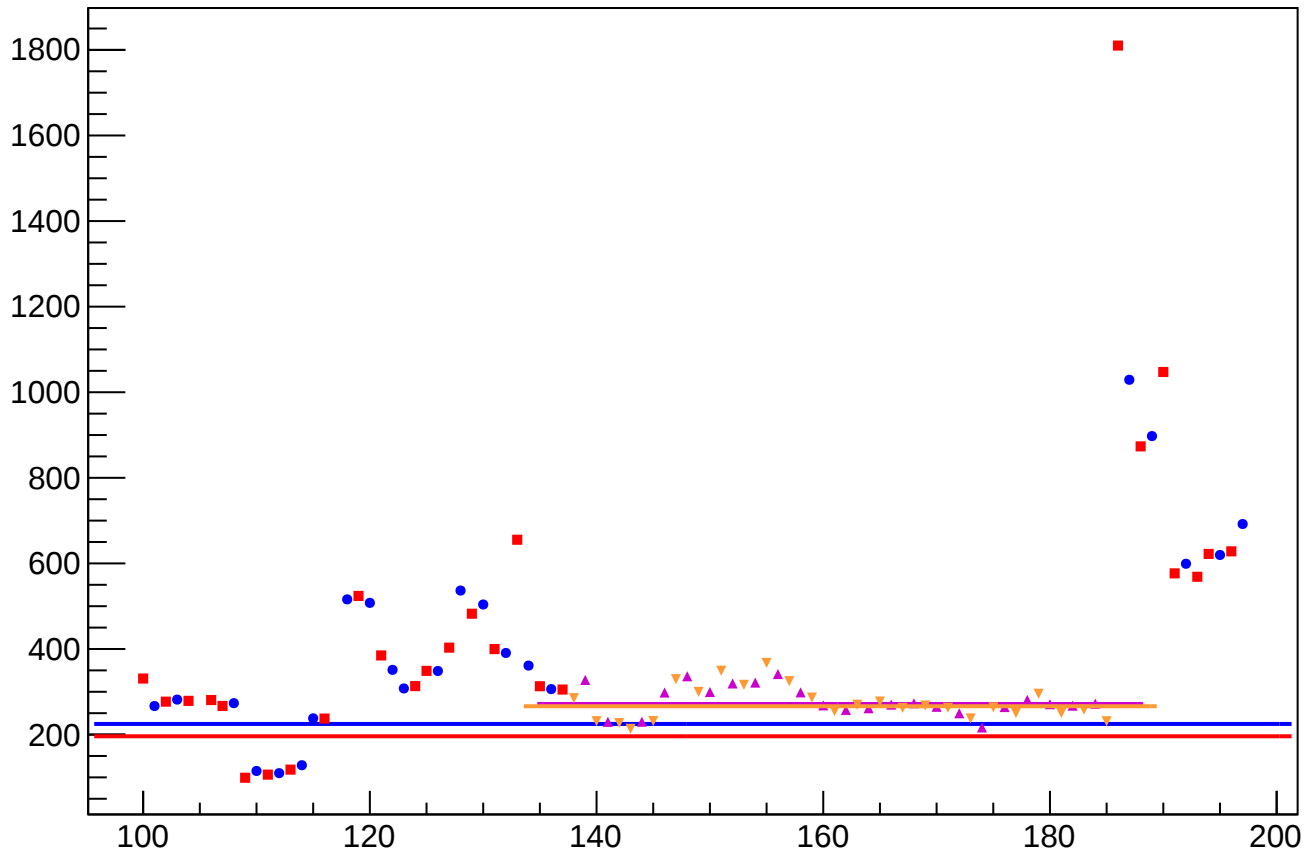
Left In: 210.453 ± 65.510 $\chi^2/\text{NDF}: 29.2/22$

+ sign 62.078 ± 51.077 $\chi^2/\text{NDF}: 70.6/46$

All: 135.905 ± 35.492 $\chi^2/\text{NDF}: 123.0/95$

- sign 204.833 ± 49.353 $\chi^2/\text{NDF}: 48.4/48$

asym_sam8_rms vs Slug



Right In: 224.855 $\pm$ 0.062 χ^2 /NDF: 6241162.0/21

Left Out: 266.207 $\pm$ 0.044 χ^2 /NDF: 649629.9/24

Right Out: 196.028 $\pm$ 0.053 χ^2 /NDF: 8751114.4/25

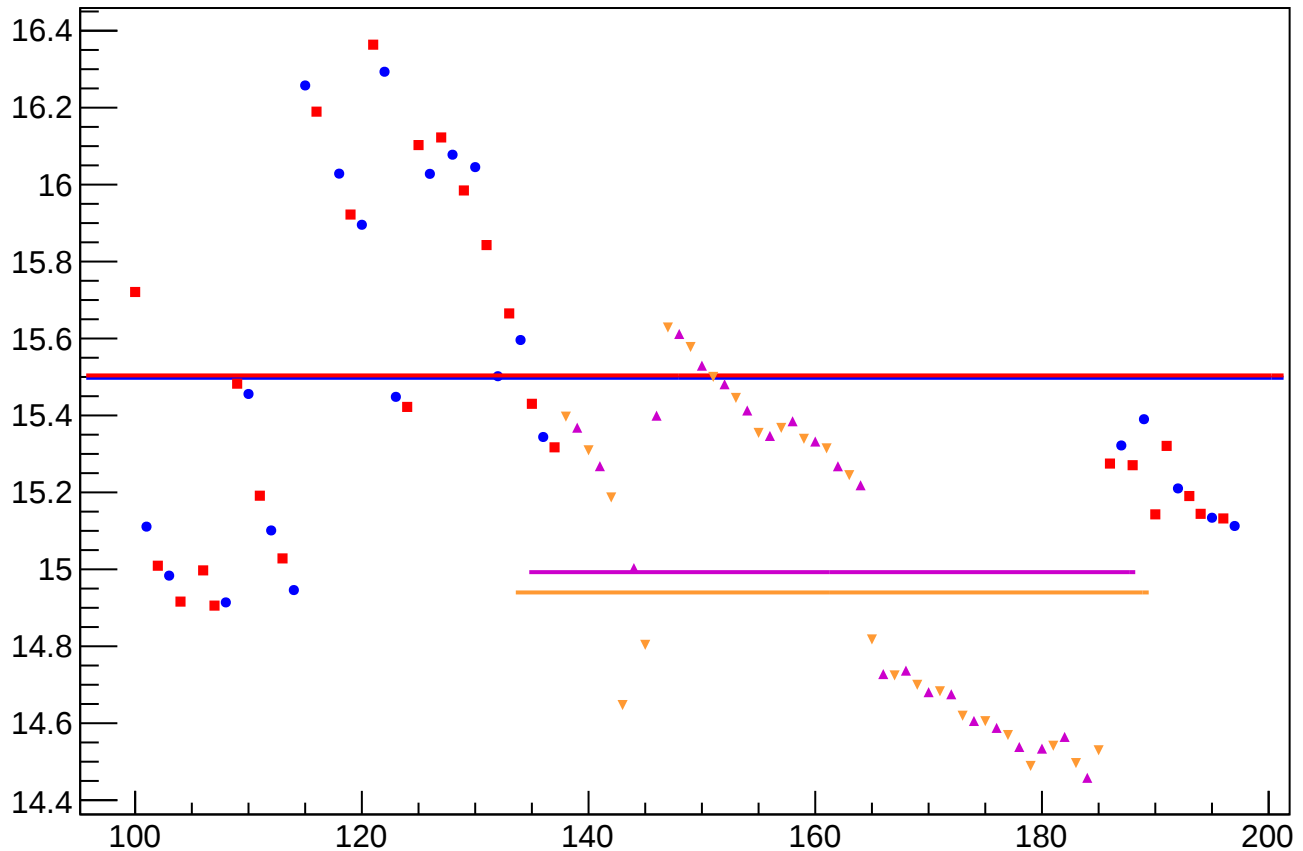
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF: 521877.7/22

+ sign 252.347 $\pm$ 0.036 χ^2 /NDF: 7182903.7/46

All: 245.349 $\pm$ 0.025 χ^2 /NDF: 17673822.0/95

- sign 238.815 $\pm$ 0.035 χ^2 /NDF: 10418316.6/48

yield_sam1_mean vs Slug



Right In: 15.498+/-0.000 χ^2/NDF : 7859258201.5/21

Left Out: 14.940+/-0.000 χ^2/NDF : 24199653913.9/24

Right Out: 15.504+/-0.000 χ^2/NDF : 8146573112.1/25

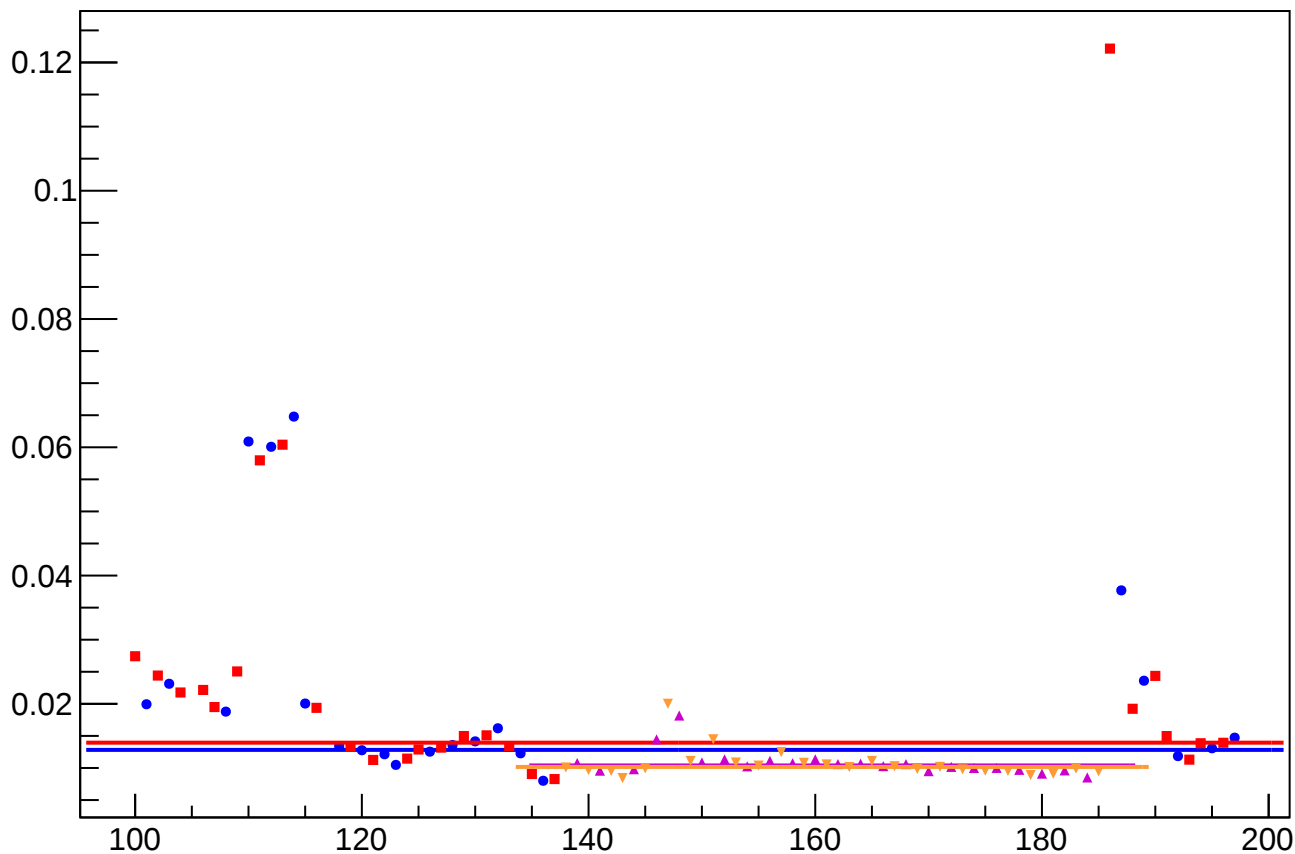
Left In: 14.993+/-0.000 χ^2/NDF : 22023159634.7/22

+ sign 15.065+/-0.000 χ^2/NDF : 43754099122.6/46

All: 15.088+/-0.000 χ^2/NDF : 83486470367.9

- sign 15.113+/-0.000 χ^2/NDF : 39499911912.4/48

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 2483916.5/21

Left Out: 0.010+/-0.000 χ^2/NDF : 717351.4/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2973264.7/25

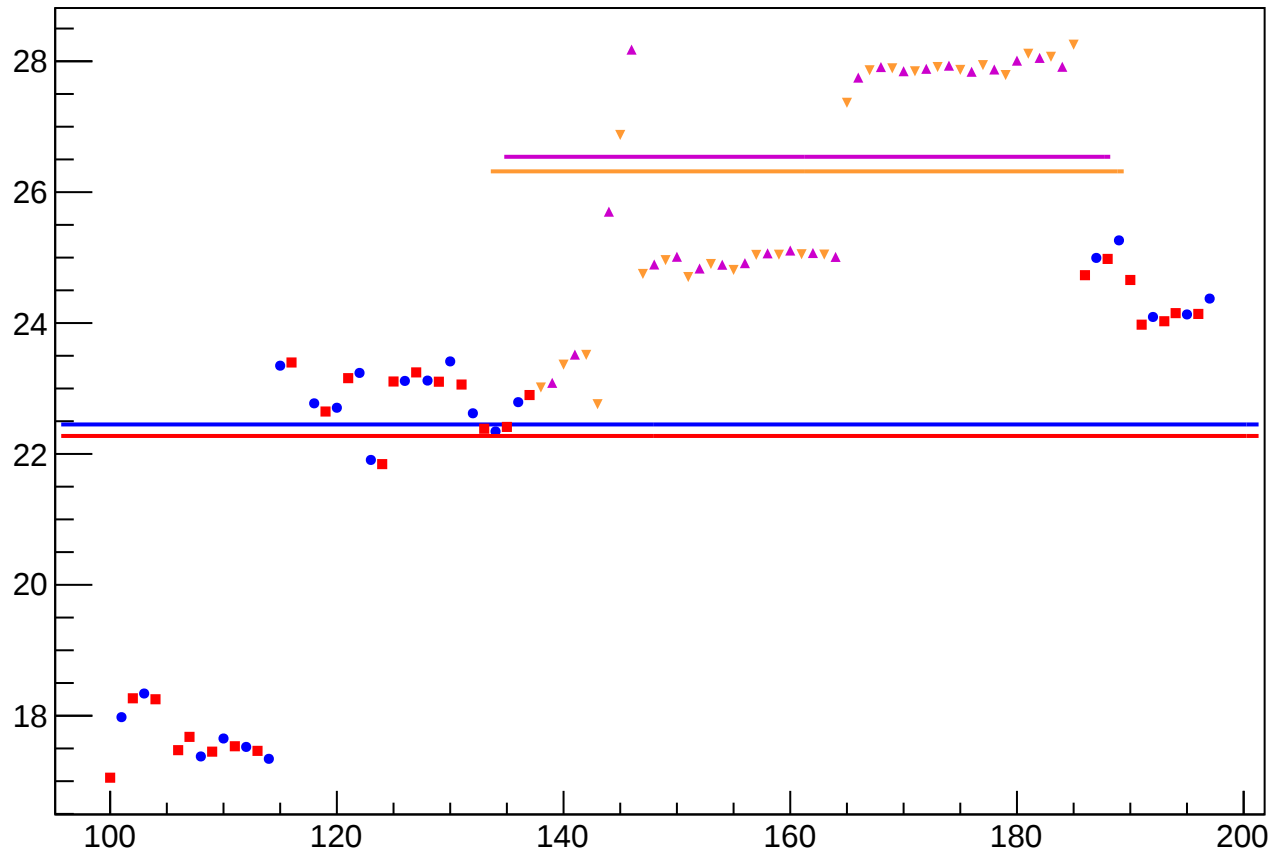
Left In: 0.010+/-0.000 χ^2/NDF : 544268.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 3731958.1/46

All: 0.011+/-0.000 χ^2/NDF : 8194273.9/95

- sign 0.011+/-0.000 χ^2/NDF : 4416697.1/48

yield_sam2_mean vs Slug



Right In: 22.451+/-0.000 χ^2 /NDF: 1046781262.8/21

Left Out: 26.318+/-0.000 χ^2 /NDF: 4715403741.0/24

Right Out: 22.275+/-0.000 χ^2 /NDF: 1261376126.8/25

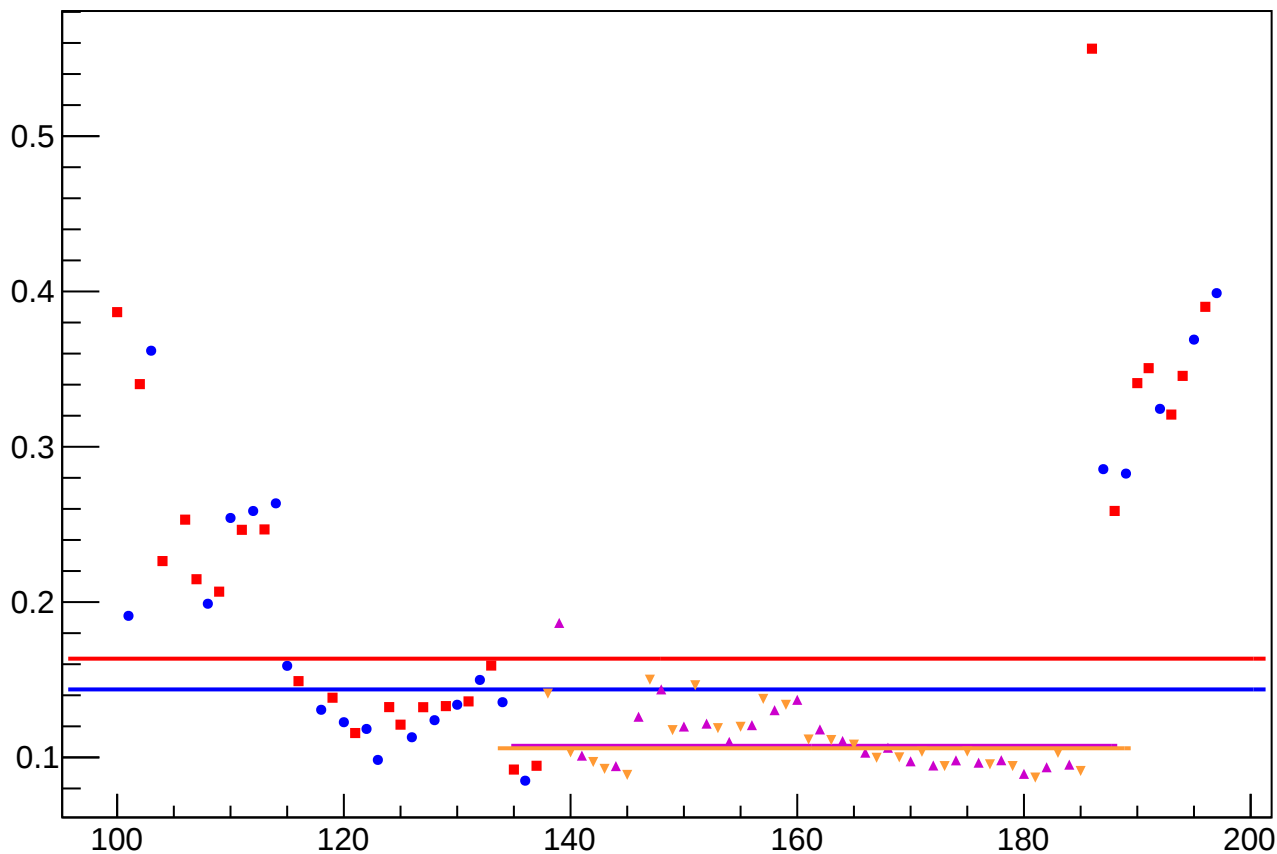
Left In: 26.540+/-0.000 χ^2 /NDF: 3309392772.6/22

+ sign 25.573+/-0.000 χ^2 /NDF: 9824582756.1/46

All: 25.639+/-0.000 χ^2 /NDF: 18991837107.1

- sign 25.711+/-0.000 χ^2 /NDF: 9151165395.0/48

yield_sam2_rms vs Slug



Right In: 0.144 $\pm$ 0.000 χ^2 /NDF: 3693022.2/21

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF: 732883.8/24

Right Out: 0.164 $\pm$ 0.000 χ^2 /NDF: 3963738.0/25

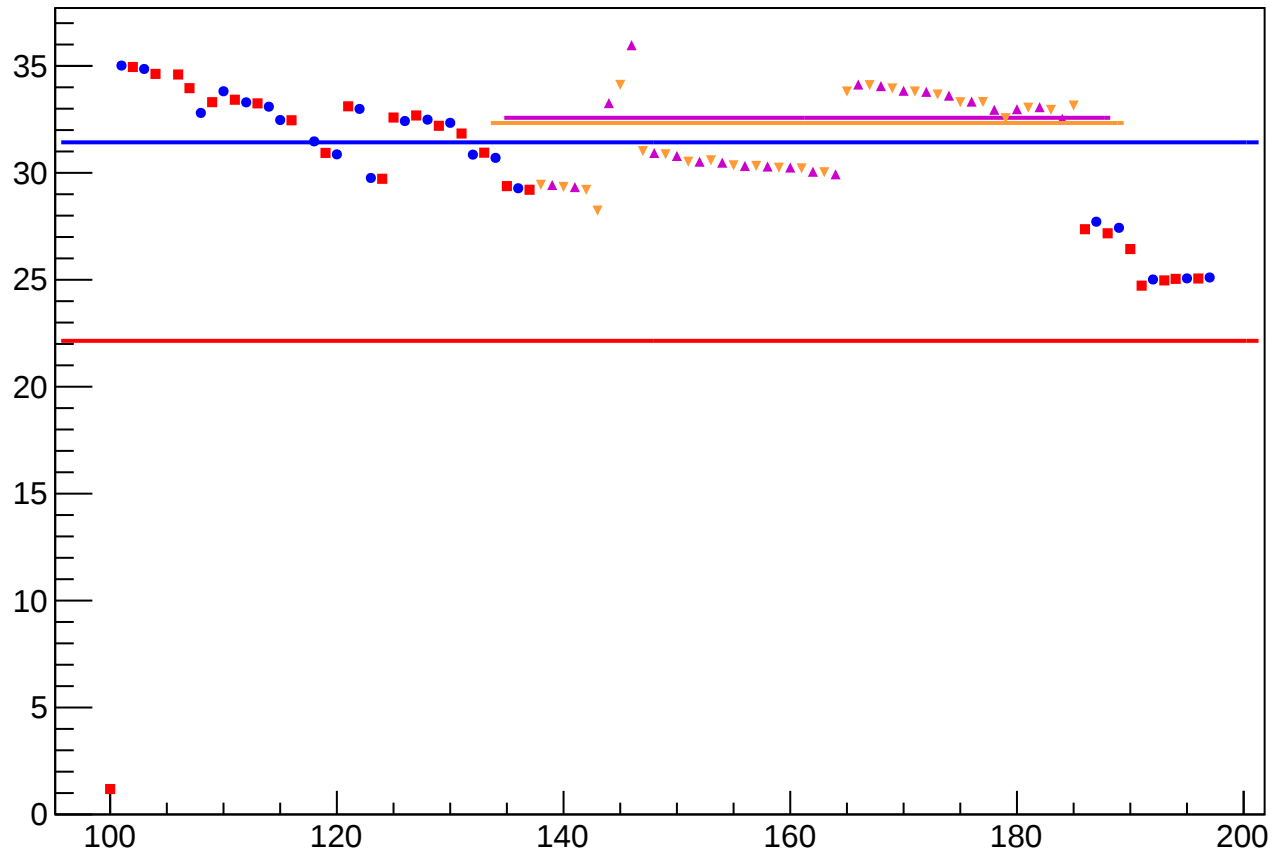
Left In: 0.107 $\pm$ 0.000 χ^2 /NDF: 771132.0/22

+ sign 0.113 $\pm$ 0.000 χ^2 /NDF: 5205857.2/46

All: 0.116 $\pm$ 0.000 χ^2 /NDF: 11570726.7/95

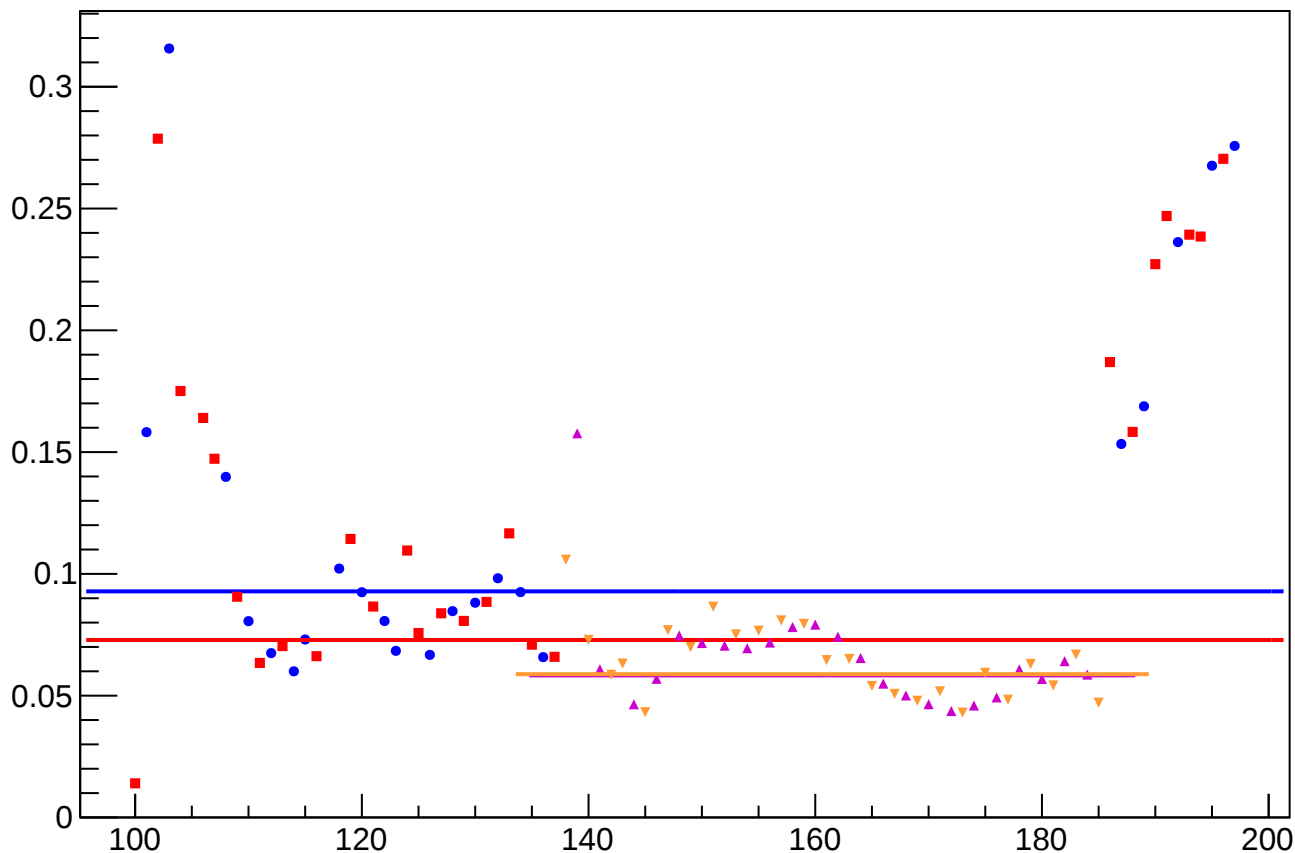
- sign 0.118 $\pm$ 0.000 χ^2 /NDF: 6319746.0/48

yield_sam3_mean vs Slug



Right In: 31.427+/-0.000	χ^2/NDF : 3839729769.0/21	+ sign 32.187+/-0.000	χ^2/NDF : 17222971069.0/46
Left Out: 32.331+/-0.000	χ^2/NDF : 12850475096.2/24	All: 31.176+/-0.000	χ^2/NDF : 366288432293.
Right Out: 22.145+/-0.000	χ^2/NDF : 230663519453.7/25	- sign 30.205+/-0.000	χ^2/NDF : 339301583828.9/48
Left In: 32.574+/-0.000	χ^2/NDF : 11797772603.7/22		

yield_sam3_rms vs Slug



Right In: 0.093 $\pm$ 0.000 χ^2 /NDF: 3530290.3/21

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.073 $\pm$ 0.000 χ^2 /NDF: 7496531.5/25

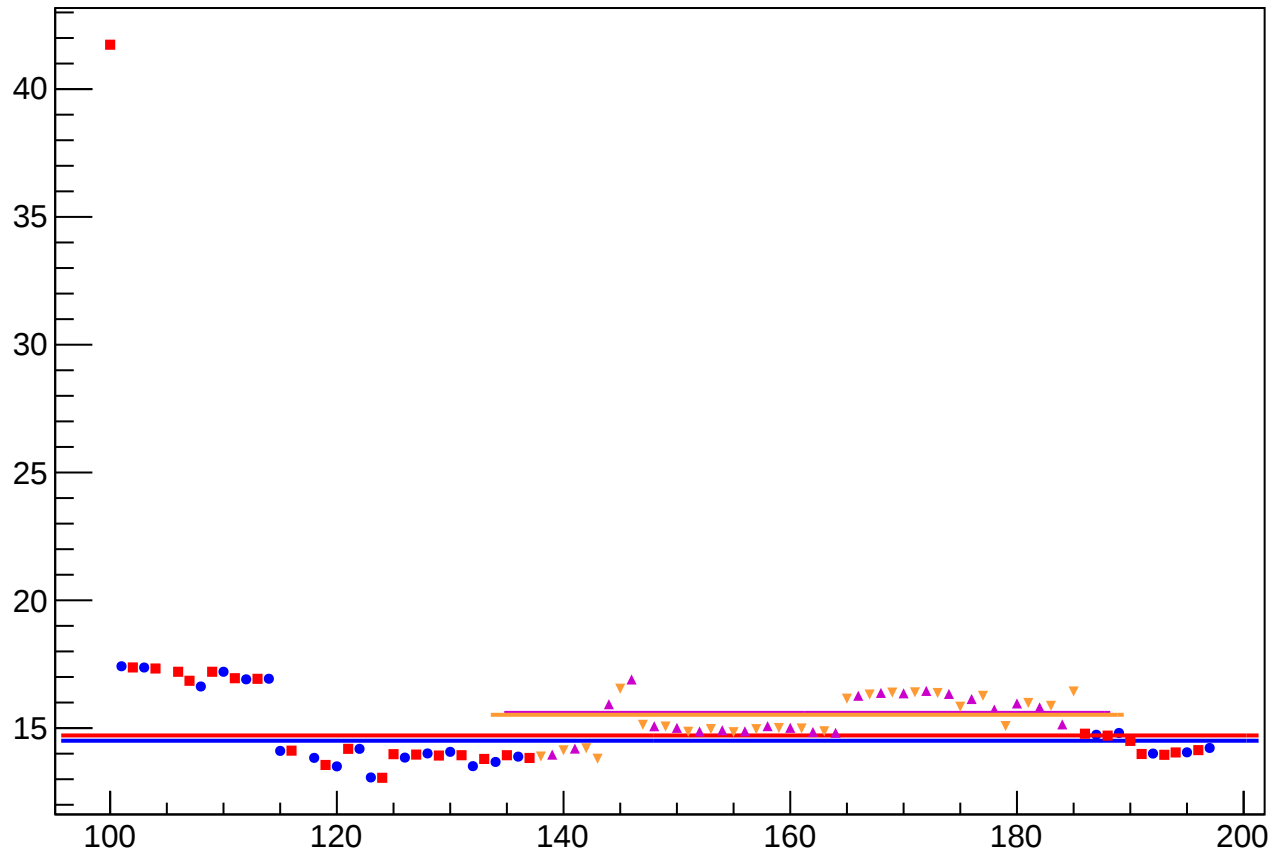
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.064 $\pm$ 0.000 χ^2 /NDF: 6438847.3/46

All: 0.063 $\pm$ 0.000 χ^2 /NDF: 15871646.1/95

- sign 0.062 $\pm$ 0.000 χ^2 /NDF: 9398763.5/48

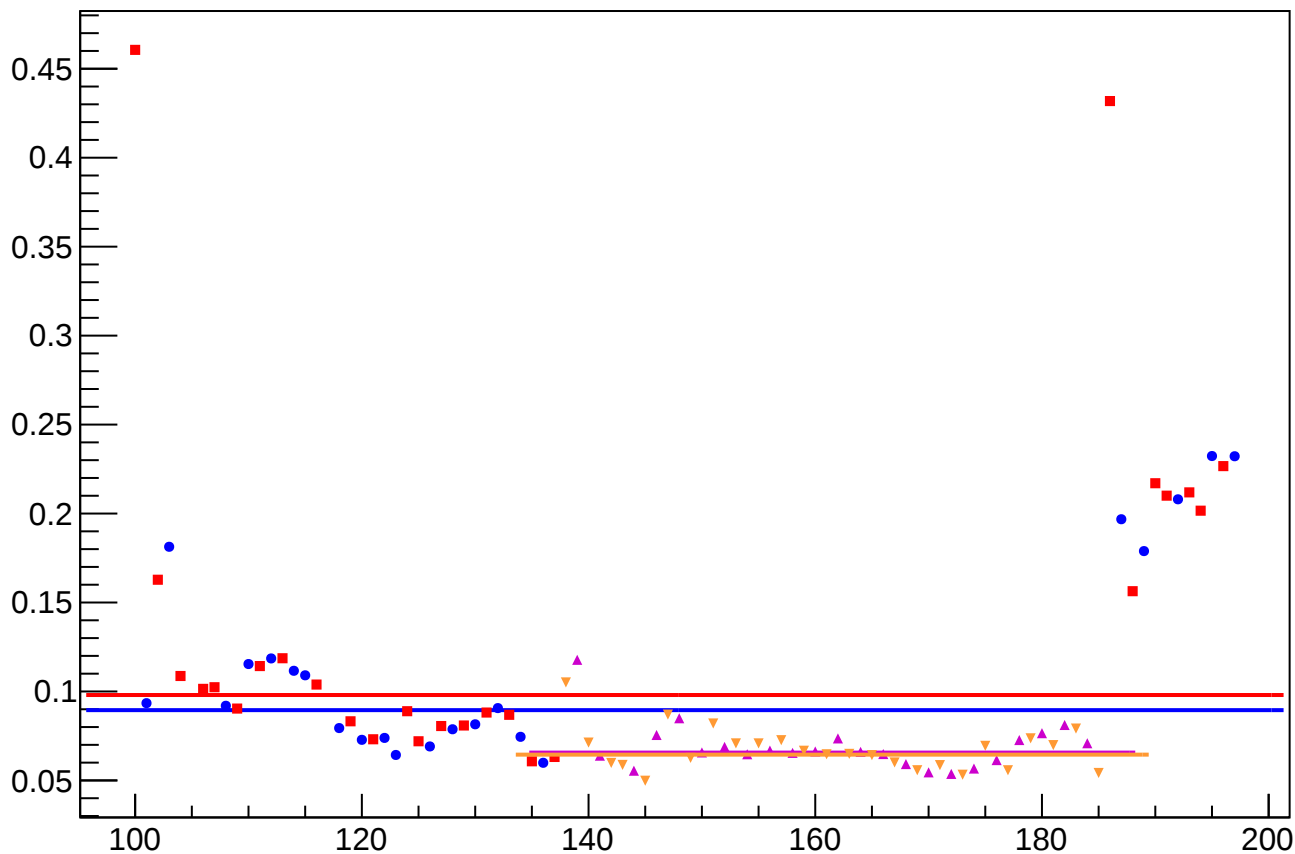
yield_sam4_mean vs Slug



Right In: 14.506 ± 0.000 χ^2/NDF : 1496545067.4/21
 Left Out: 15.521 ± 0.000 χ^2/NDF : 2591377740.5/24
 Right Out: 14.712 ± 0.000 χ^2/NDF : 1931213244.8/25
 Left In: 15.595 ± 0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.320 ± 0.000 χ^2/NDF : 4852497594.3/46
 All: 15.364 ± 0.000 χ^2/NDF : 9268006403.4/9
 - sign 15.412 ± 0.000 χ^2/NDF : 4396592558.2/48

yield_sam4_rms vs Slug



Right In: 0.090 $\pm$ 0.000 χ^2 /NDF: 2957608.5/21

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.098 $\pm$ 0.000 χ^2 /NDF: 3331519.6/25

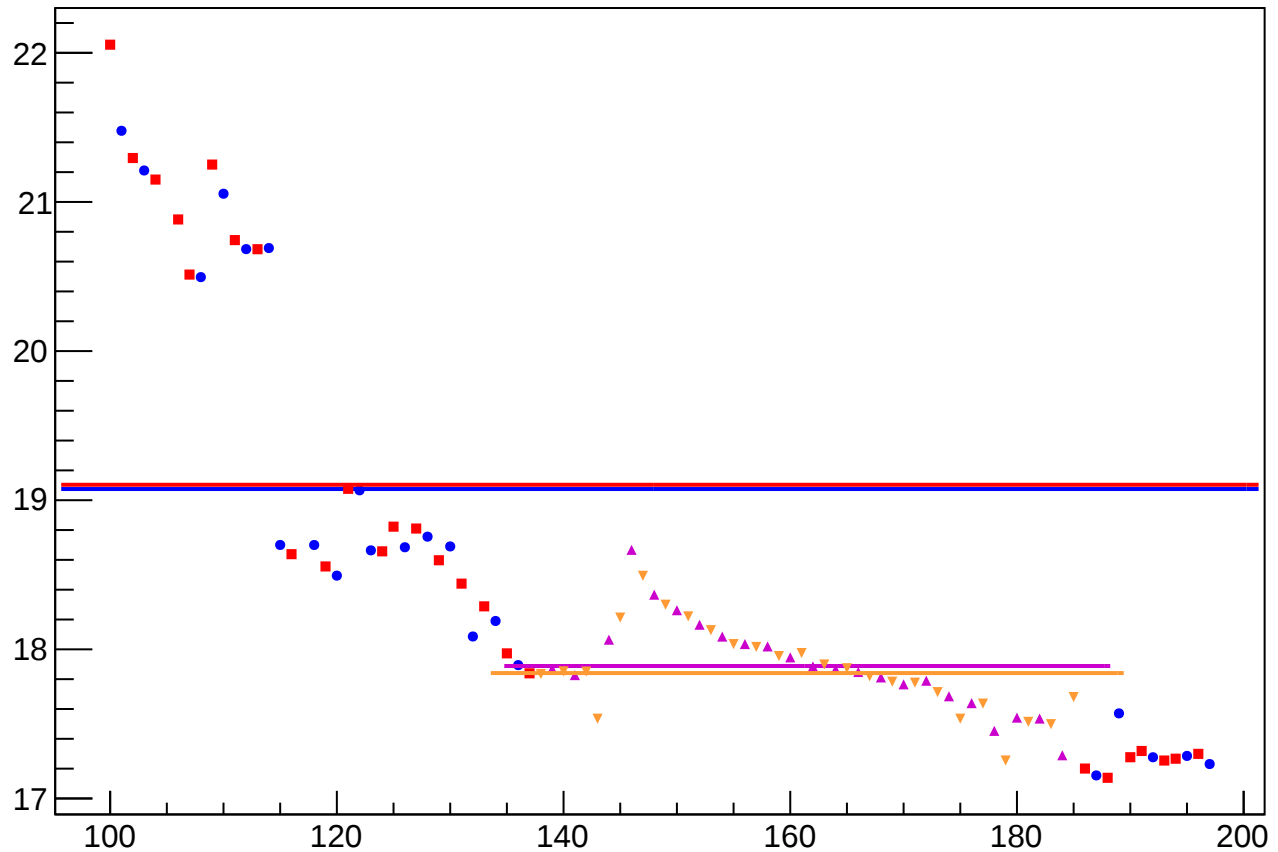
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.069 $\pm$ 0.000 χ^2 /NDF: 4646831.0/46

All: 0.071 $\pm$ 0.000 χ^2 /NDF: 10226826.5/95

- sign 0.072 $\pm$ 0.000 χ^2 /NDF: 5541477.2/48

yield_sam5_mean vs Slug



Right In: 19.075+/-0.000 χ^2/NDF : 21128760545.5/21

Left Out: 17.841+/-0.000 χ^2/NDF : 1283287989.7/24

Right Out: 19.104+/-0.000 χ^2/NDF : 23977220585.3/25

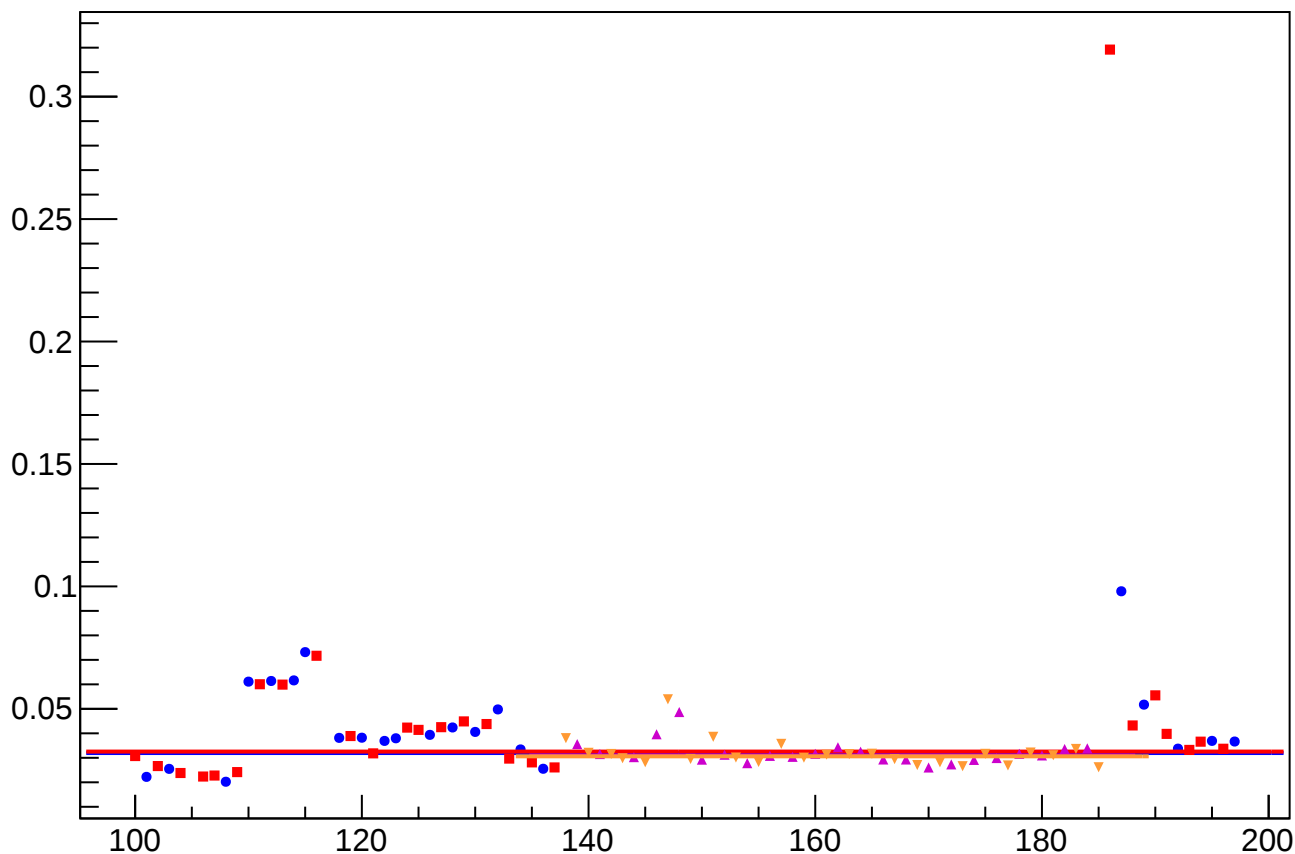
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.217+/-0.000 χ^2/NDF : 31051936904.4/46

All: 18.258+/-0.000 χ^2/NDF : 65028922257.8

- sign 18.301+/-0.000 χ^2/NDF : 33883293446.1/48

yield_sam5_rms vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 1659053.5/21

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 2056309.5/25

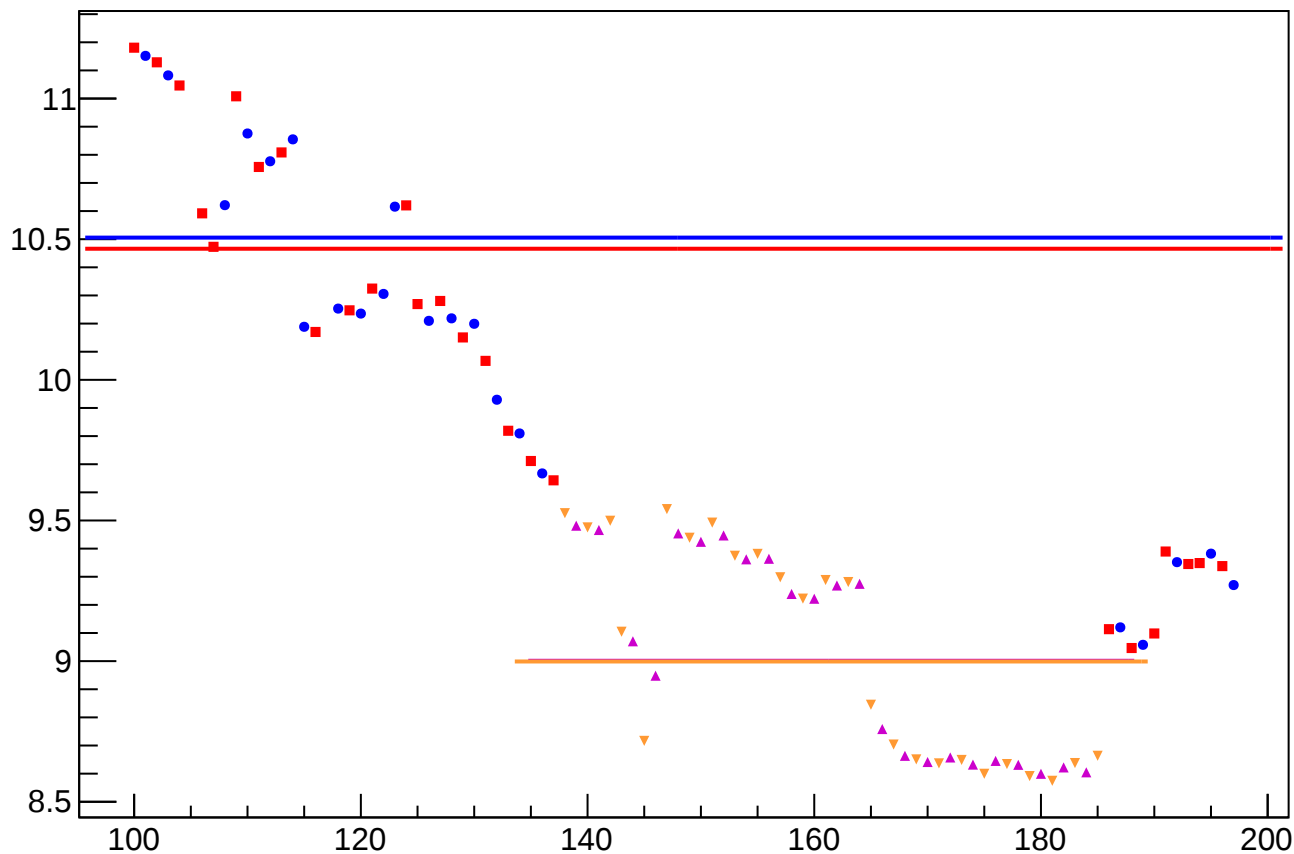
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2270169.3/46

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 4817301.3/95

- sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2541916.5/48

yield_sam6_mean vs Slug



Right In: 10.506 $\pm$ 0.000 χ^2 /NDF: 10068109361.1/21

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.466 $\pm$ 0.000 χ^2 /NDF: 9573377957.8/25

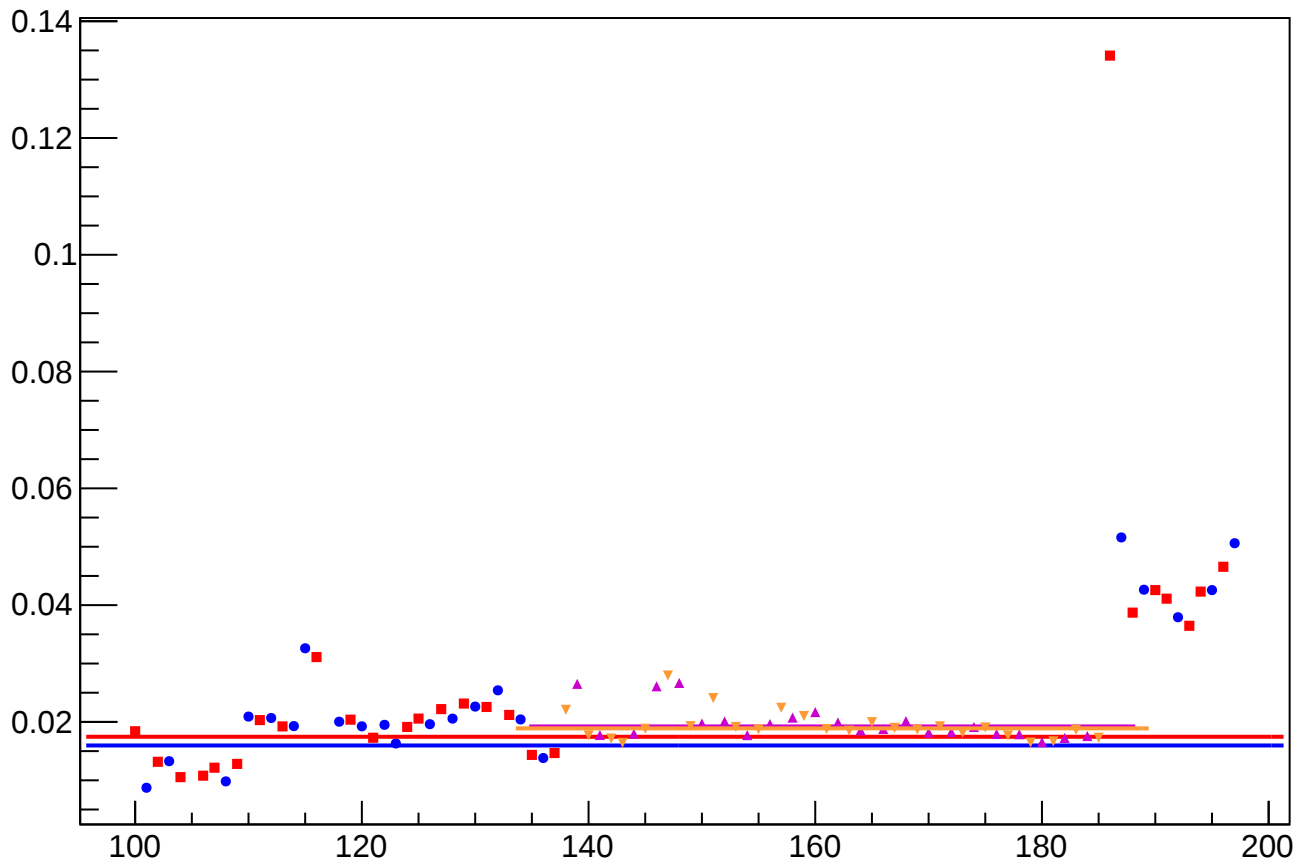
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.557 $\pm$ 0.000 χ^2 /NDF: 56005397987.7/46

All: 9.566 $\pm$ 0.000 χ^2 /NDF: 106855306516.3

- sign 9.575 $\pm$ 0.000 χ^2 /NDF: 50839129333.5/48

yield_sam6_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 3938999.1/21

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.017+/-0.000 χ^2/NDF : 4267427.4/25

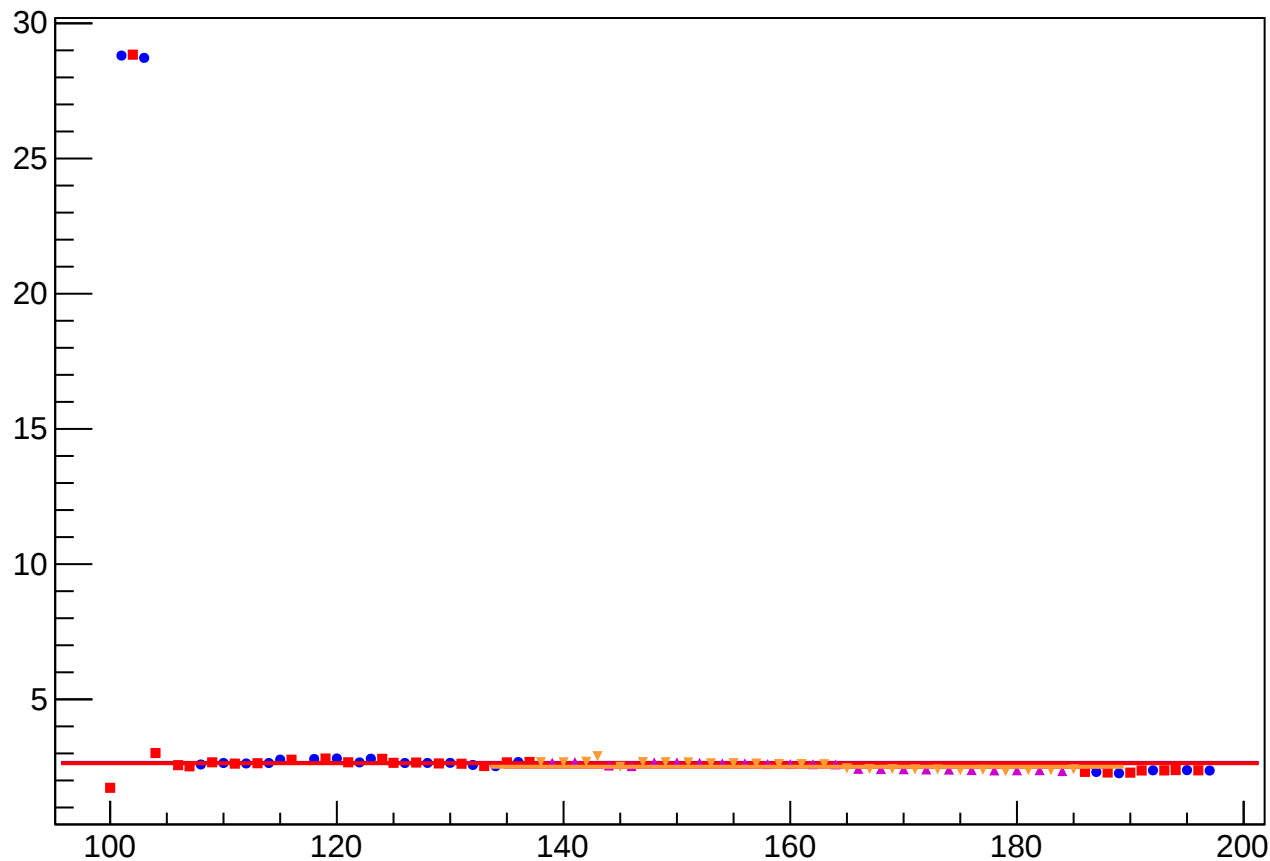
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.018+/-0.000 χ^2/NDF : 4666558.7/46

All: 0.018+/-0.000 χ^2/NDF : 9558485.4/95

- sign 0.019+/-0.000 χ^2/NDF : 4854207.6/48

yield_sam7_mean vs Slug



Right In: 2.649 $\pm$ 0.000 χ^2 /NDF: 169533446806.5/21

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.638 $\pm$ 0.000 χ^2 /NDF: 80851518128.2/25

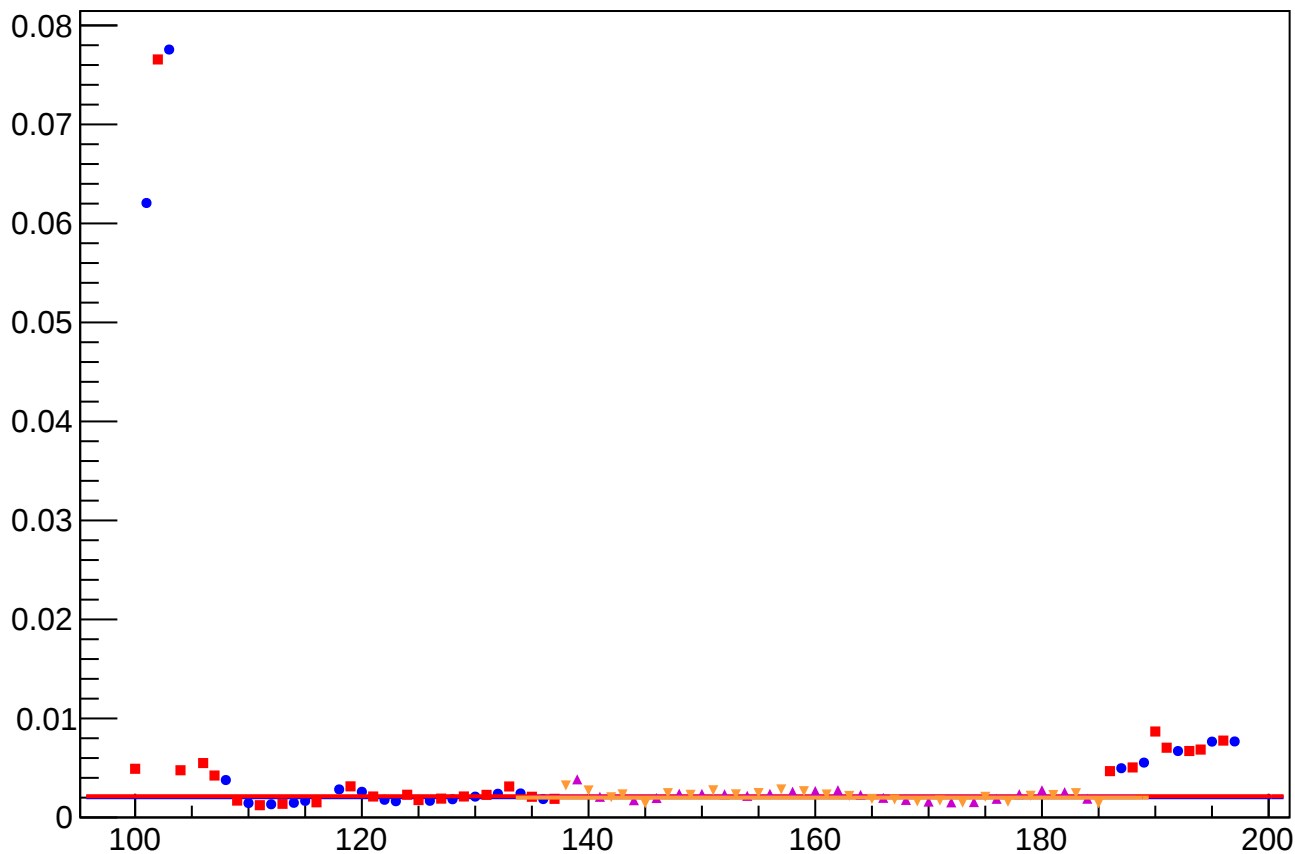
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.546 $\pm$ 0.000 χ^2 /NDF: 254505561566.3/46

All: 2.547 $\pm$ 0.000 χ^2 /NDF: 396635439195.6

- sign 2.547 $\pm$ 0.000 χ^2 /NDF: 142128307234.7/48

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 5748335.1/21

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 6201275.9/25

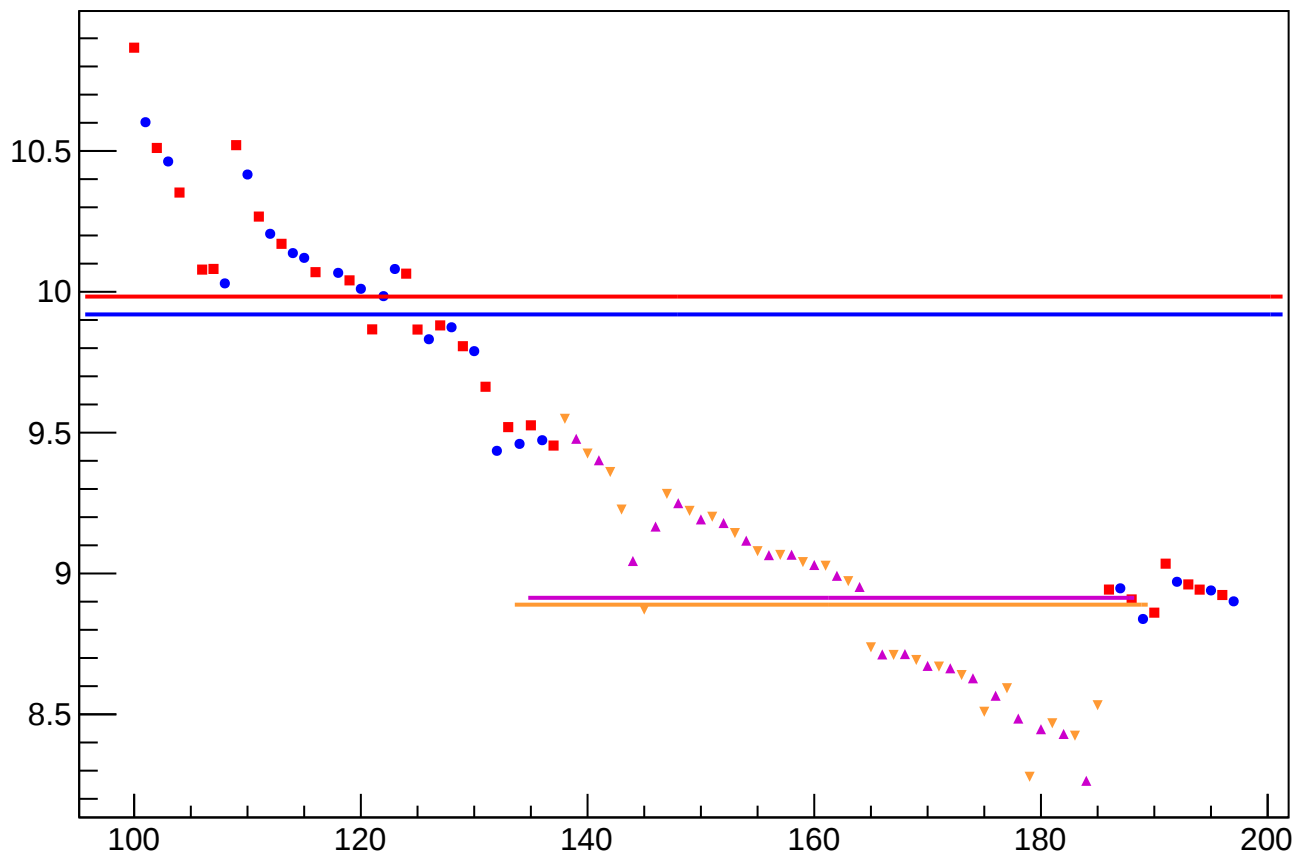
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 7220118.7/46

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 14763283.5/95

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 7519579.0/48

yield_sam8_mean vs Slug



Right In: 9.920 $\pm$ 0.000 χ^2 /NDF: 32228981536.3/21

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

Right Out: 9.983 $\pm$ 0.000 χ^2 /NDF: 36226998175.9/25

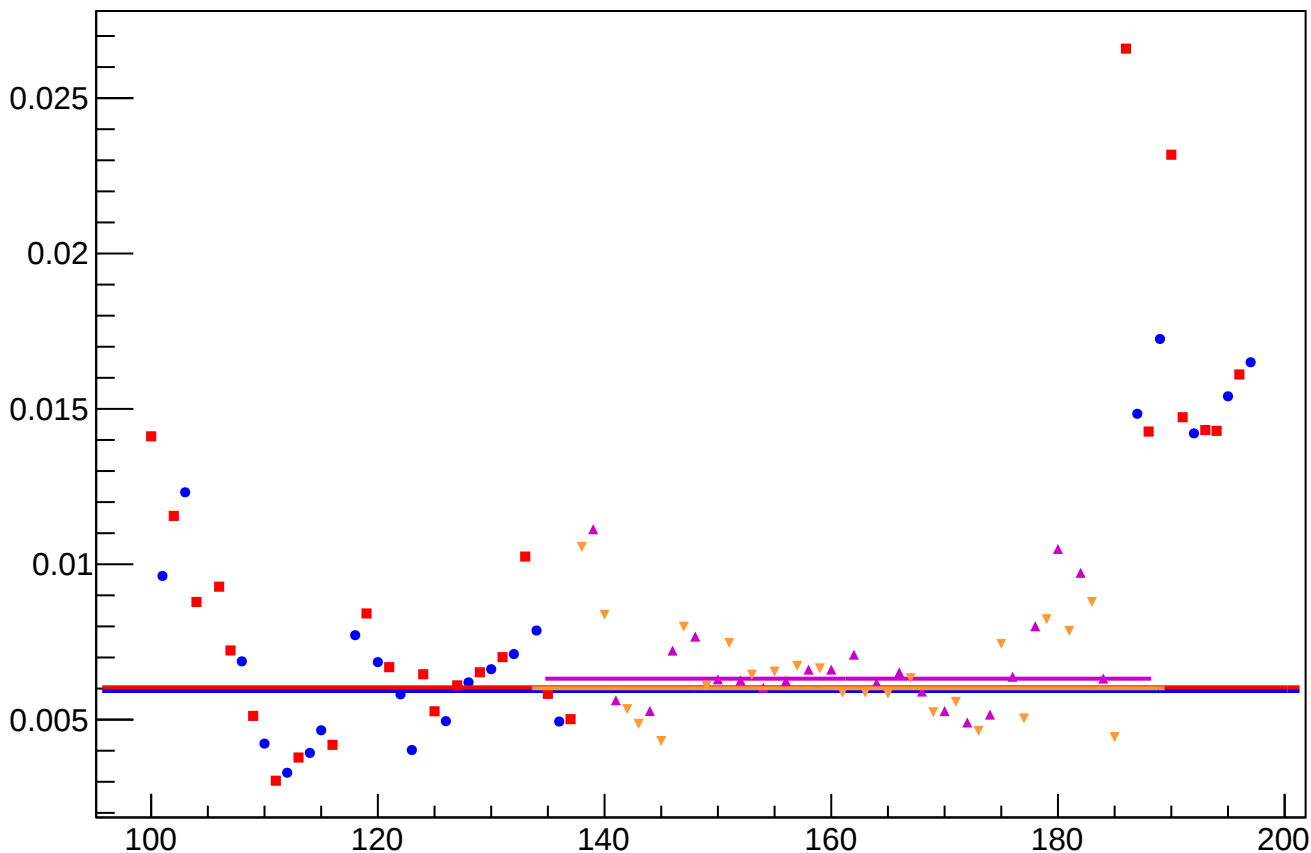
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.224 $\pm$ 0.000 χ^2 /NDF: 205801181355.6/46

All: 9.268 $\pm$ 0.000 χ^2 /NDF: 422061793722.8

- sign 9.314 $\pm$ 0.000 χ^2 /NDF: 213914313943.3/48

yield_sam8_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 3693758.3/21

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1312525.9/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 5098275.3/25

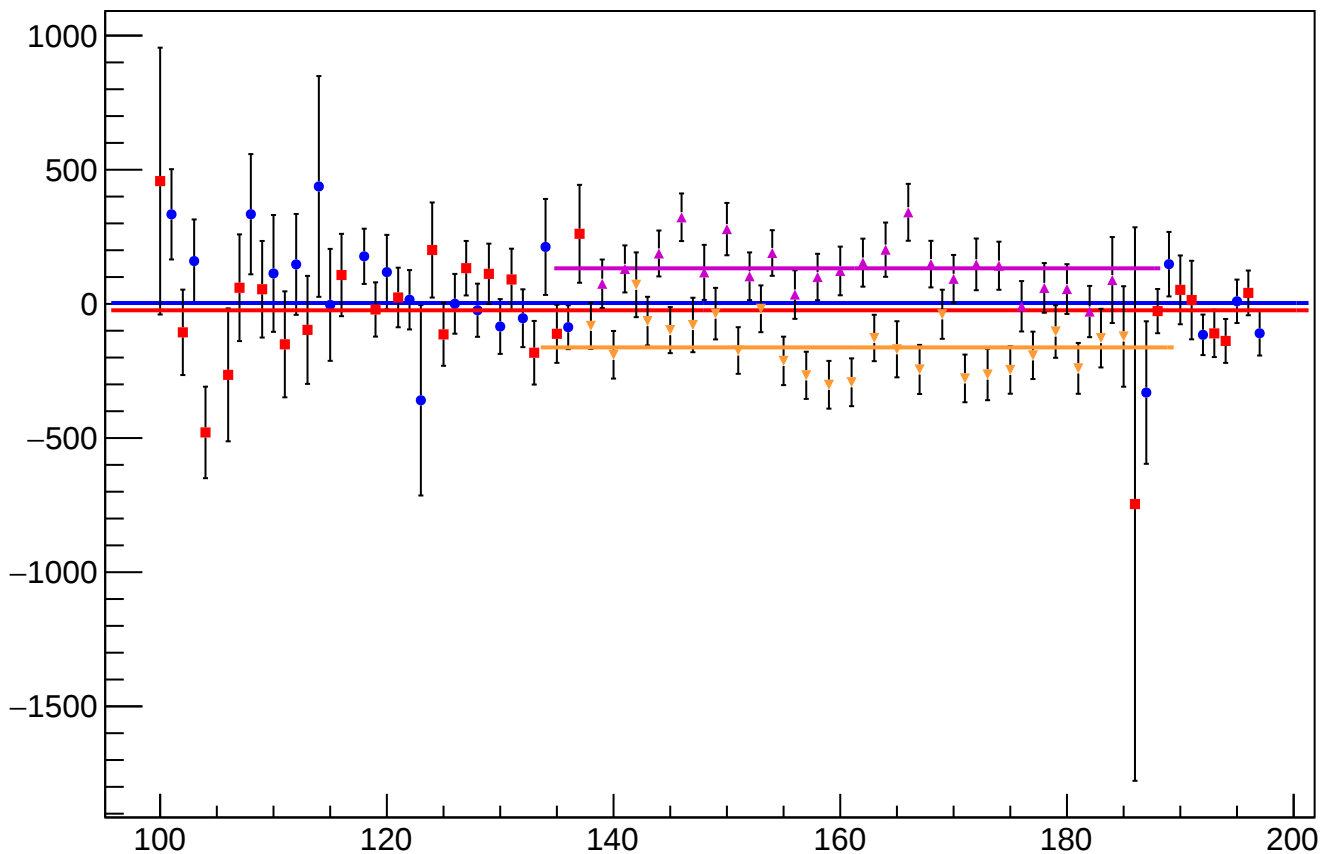
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 5008260.9/46

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 11245032.9/95

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 6205526.1/48

reg_asym_sam1_mean vs Slug



Right In: 3.264 ± 25.710 $\chi^2/\text{NDF}: 24.6/21$

Left Out: -162.161 ± 18.745 $\chi^2/\text{NDF}: 25.7/24$

Right Out: -23.870 ± 24.675 $\chi^2/\text{NDF}: 27.4/25$

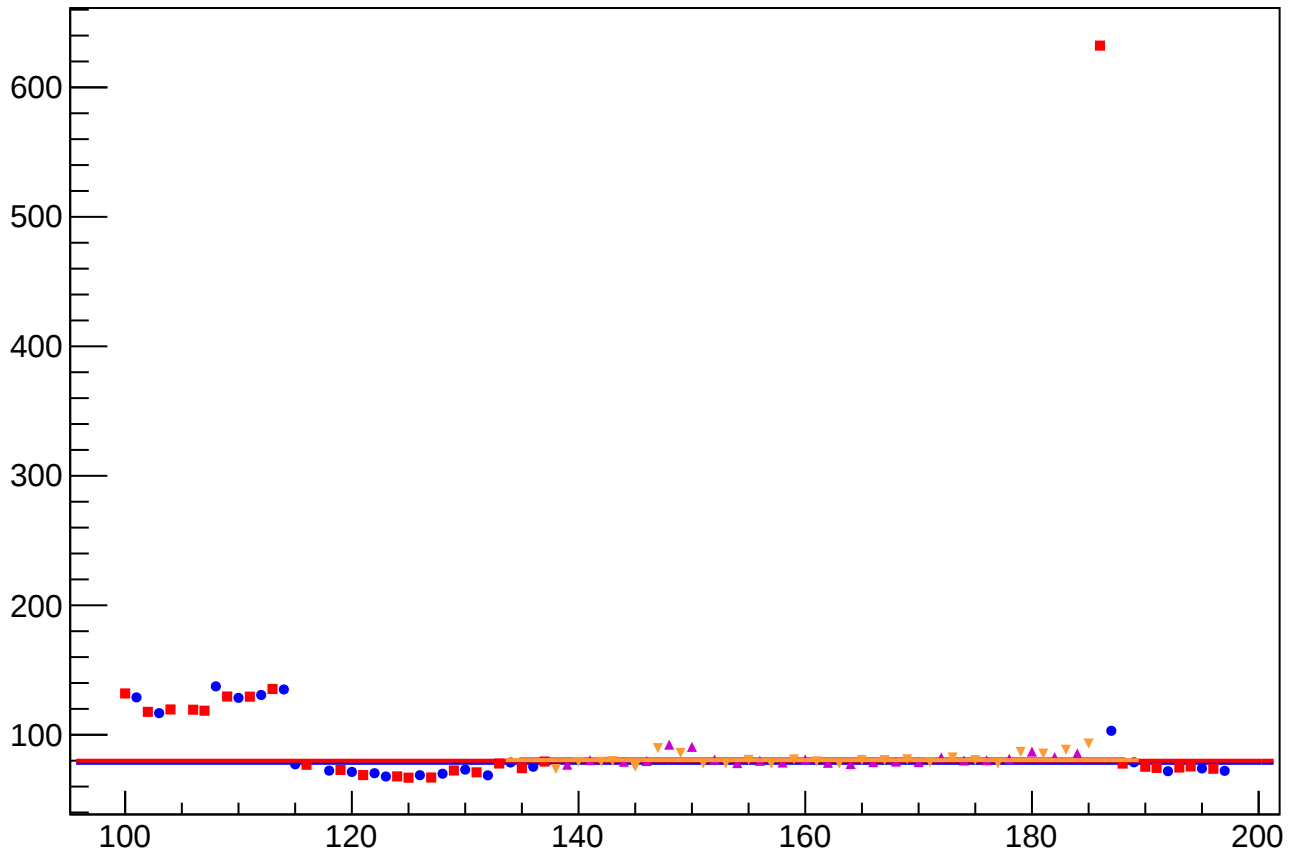
Left In: 132.557 ± 19.403 $\chi^2/\text{NDF}: 20.7/22$

+ sign -104.748 ± 15.147 $\chi^2/\text{NDF}: 77.3/46$

All: -16.598 ± 10.747 $\chi^2/\text{NDF}: 218.6/95$

- sign 72.788 ± 15.252 $\chi^2/\text{NDF}: 73.0/48$

reg_asym_sam1_rms vs Slug



Right In: 78.355+/-0.018 χ^2/NDF : 867961.5/21

Left Out: 80.459+/-0.013 χ^2/NDF : 89942.2/24

Right Out: 79.979+/-0.017 χ^2/NDF : 1526359.7/25

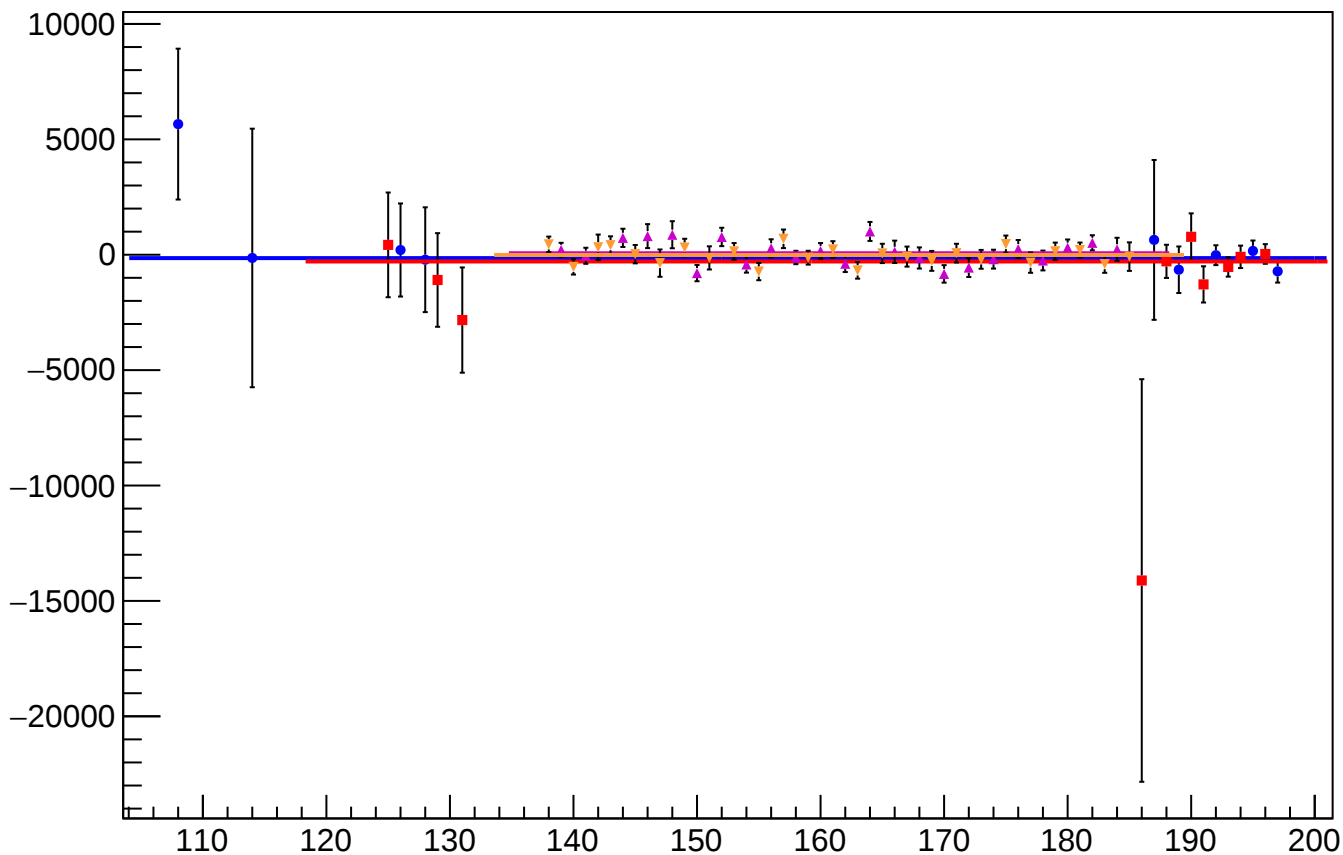
Left In: 81.014+/-0.014 χ^2/NDF : 72250.2/22

+ sign 79.728+/-0.011 χ^2/NDF : 966649.9/46

All: 80.170+/-0.008 χ^2/NDF : 2570862.5/95

- sign 80.618+/-0.011 χ^2/NDF : 1600785.1/48

asym_sam1_correction_mean vs Slug



Right In: -145.943+/-248.784 χ^2 /NDF: 5.4/8

Left Out: -10.486+/-78.391 χ^2 /NDF: 22.5/24

Right Out: -292.027+/-220.061 χ^2 /NDF: 7.8/9

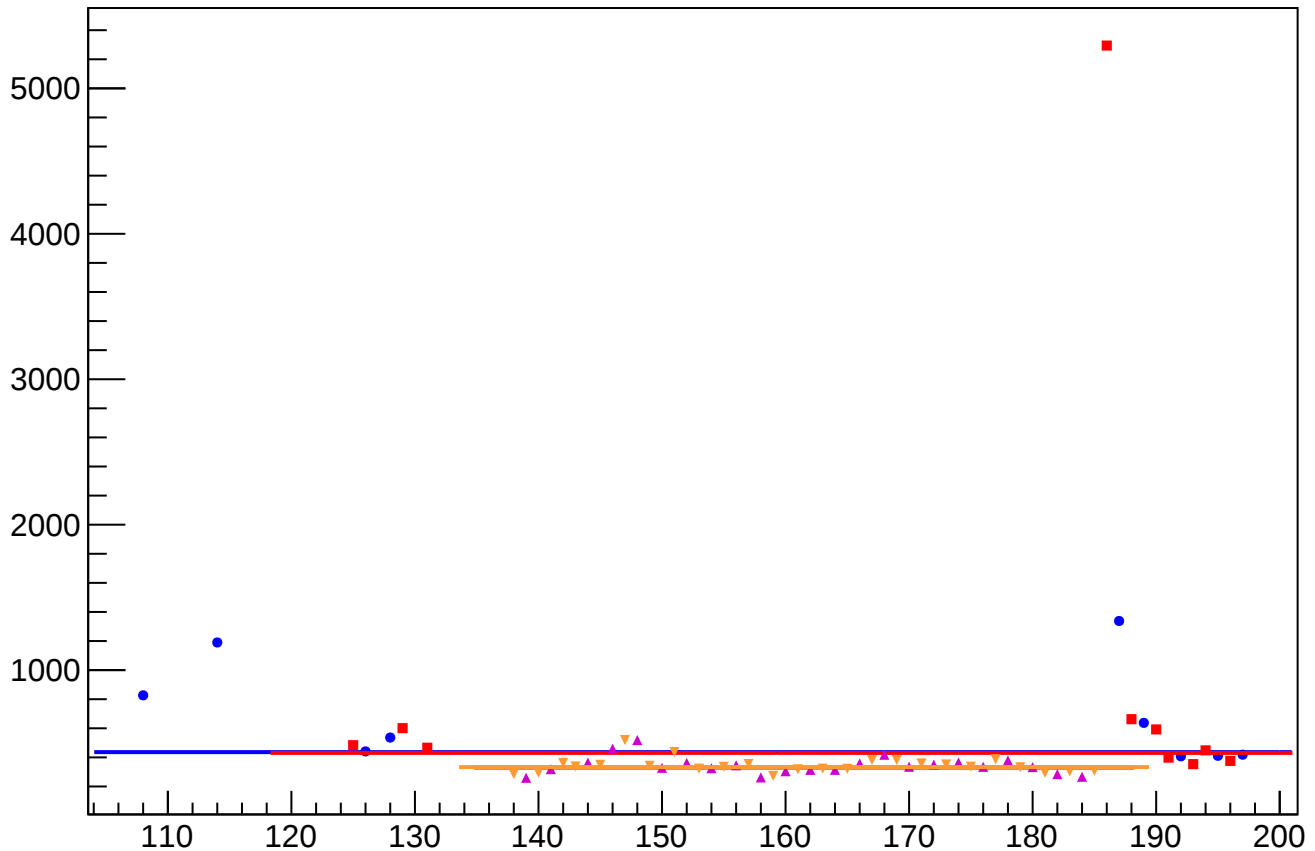
Left In: 64.591+/-80.047 χ^2 /NDF: 37.4/22

+ sign -22.720+/-74.767 χ^2 /NDF: 28.2/33

All: -0.039+/-53.029 χ^2 /NDF: 76.0/66

- sign 22.920+/-75.225 χ^2 /NDF: 47.5/32

asym_sam1_correction_rms vs Slug



Right In: 436.192+/-0.176 χ^2/NDF : 301708.6/8

Left Out: 333.233+/-0.055 χ^2/NDF : 592122.2/24

Right Out: 431.074+/-0.156 χ^2/NDF : 1003571.9/9

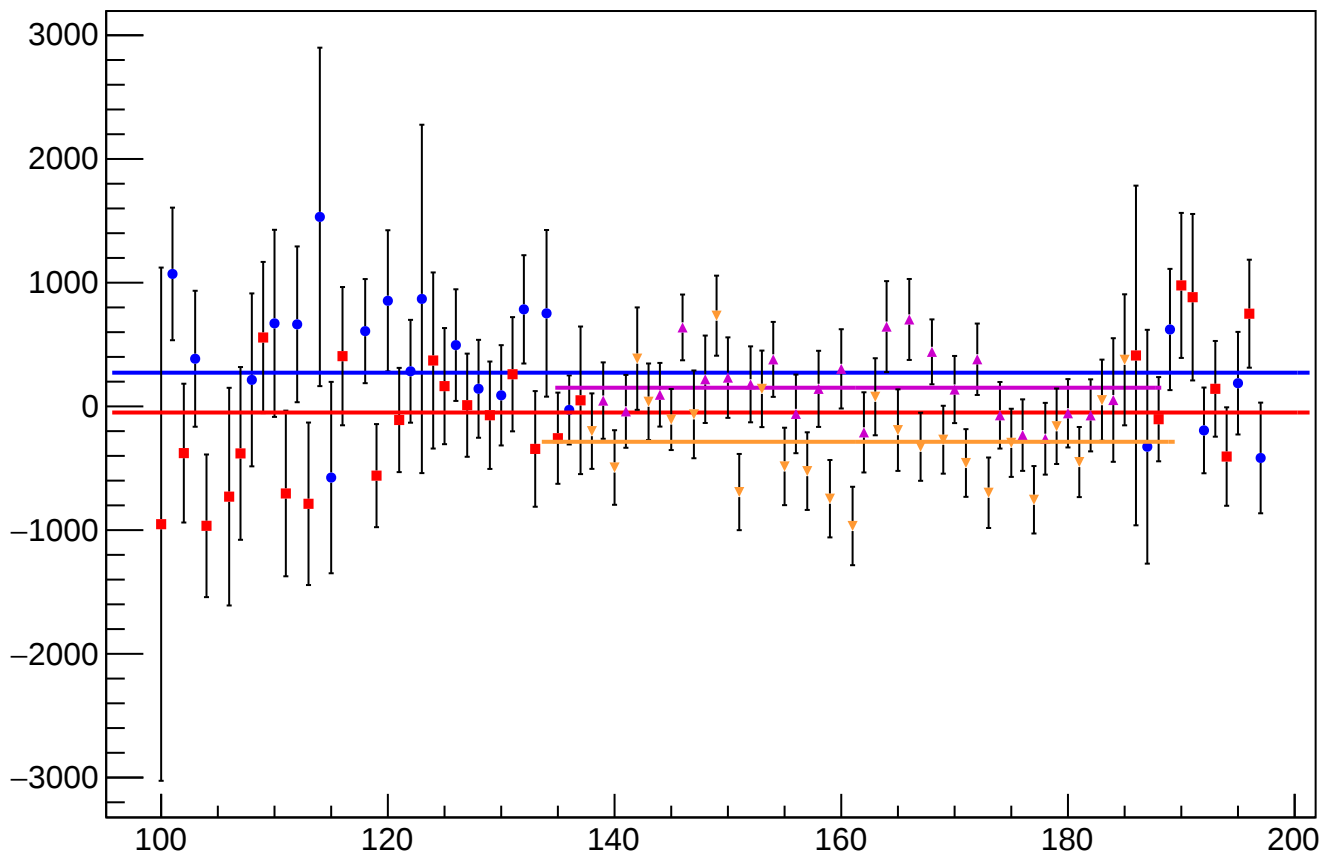
Left In: 329.985+/-0.057 χ^2/NDF : 795969.0/22

+ sign 342.532+/-0.053 χ^2/NDF : 1205432.0/33

All: 342.167+/-0.037 χ^2/NDF : 3377788.6/66

- sign 341.798+/-0.053 χ^2/NDF : 2172260.7/32

reg_asym_sam2_mean vs Slug



Right In: 272.496 $\pm$ 104.029 χ^2 /NDF: 15.6/21

Left Out: -286.030 $\pm$ 61.095 χ^2 /NDF:36.6/24

Right Out: -49.455 $\pm$ 99.438 χ^2 /NDF: 20.6/25

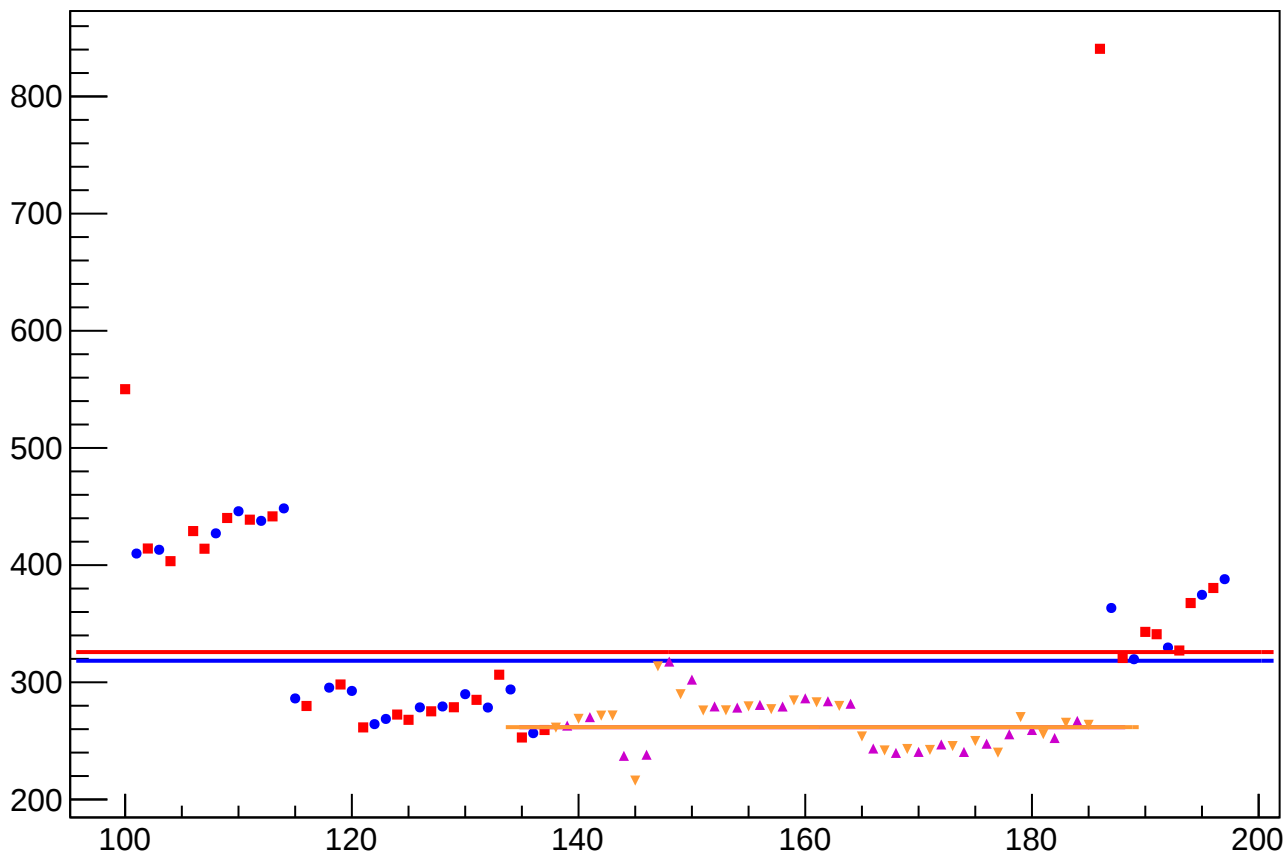
Left In: 150.920 $\pm$ 62.818 χ^2 /NDF:18.7/22

+ sign -142.796 $\pm$ 52.681 χ^2 /NDF: 73.6/46

All: -25.470 $\pm$ 37.401 χ^2 /NDF: 125.7/95

- sign 93.764 $\pm$ 53.108 χ^2 /NDF: 42.2/48

reg_asym_sam2_rms vs Slug



Right In: 318.381+/-0.074 χ^2/NDF : 617094.0/21

Left Out: 261.722+/-0.043 χ^2/NDF : 233222.6/24

Right Out: 325.800+/-0.070 χ^2/NDF : 981840.2/25

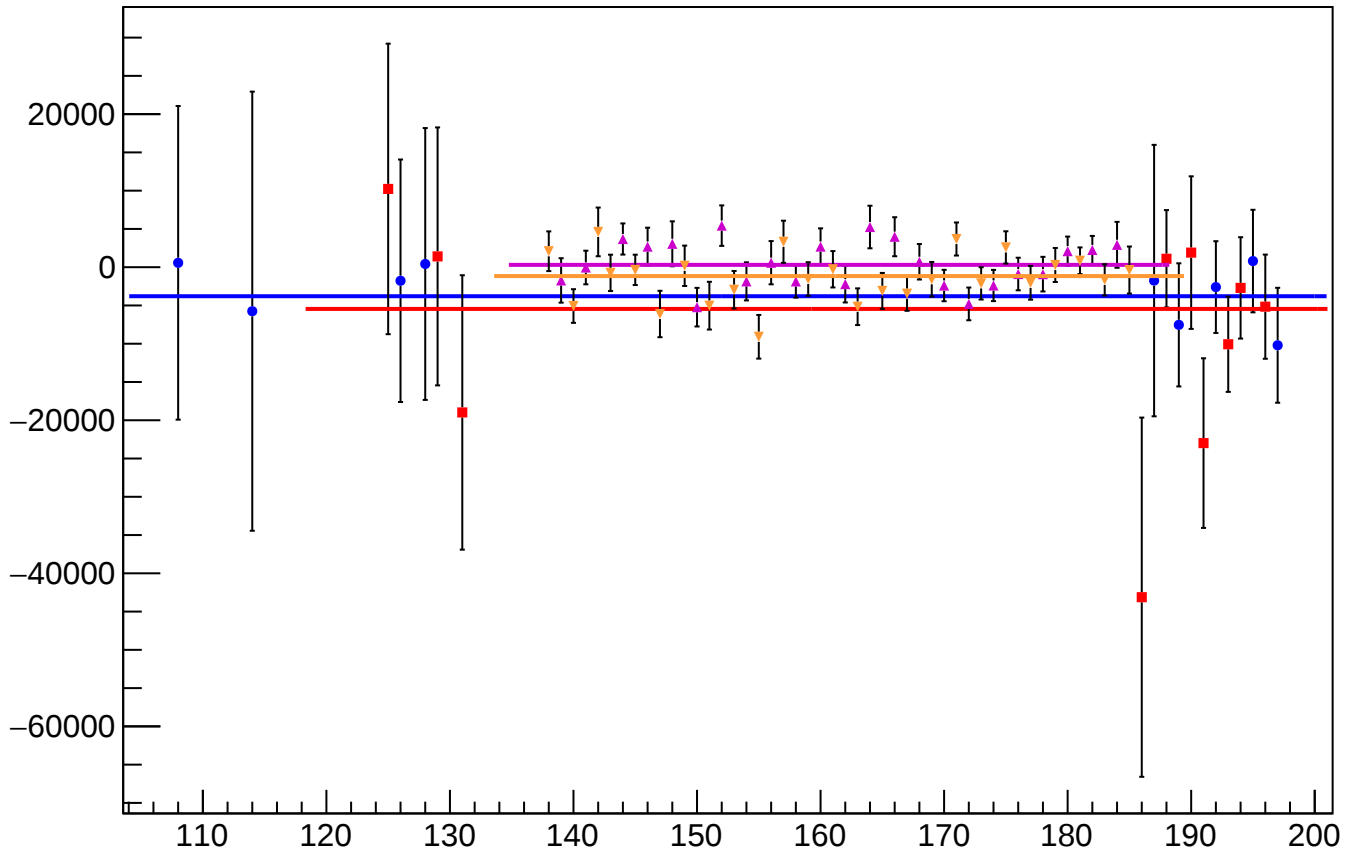
Left In: 261.637+/-0.044 χ^2/NDF : 228241.3/22

+ sign 276.252+/-0.037 χ^2/NDF : 1291455.8/46

All: 278.080+/-0.026 χ^2/NDF : 3101590.4/95

- sign 279.939+/-0.038 χ^2/NDF : 1805276.5/48

asym_sam2_correction_mean vs Slug



Right In: -3793.426 ± 3207.249 χ^2/NDF : 1.6/8

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -5452.094 ± 2835.785 χ^2/NDF : 8.8/9

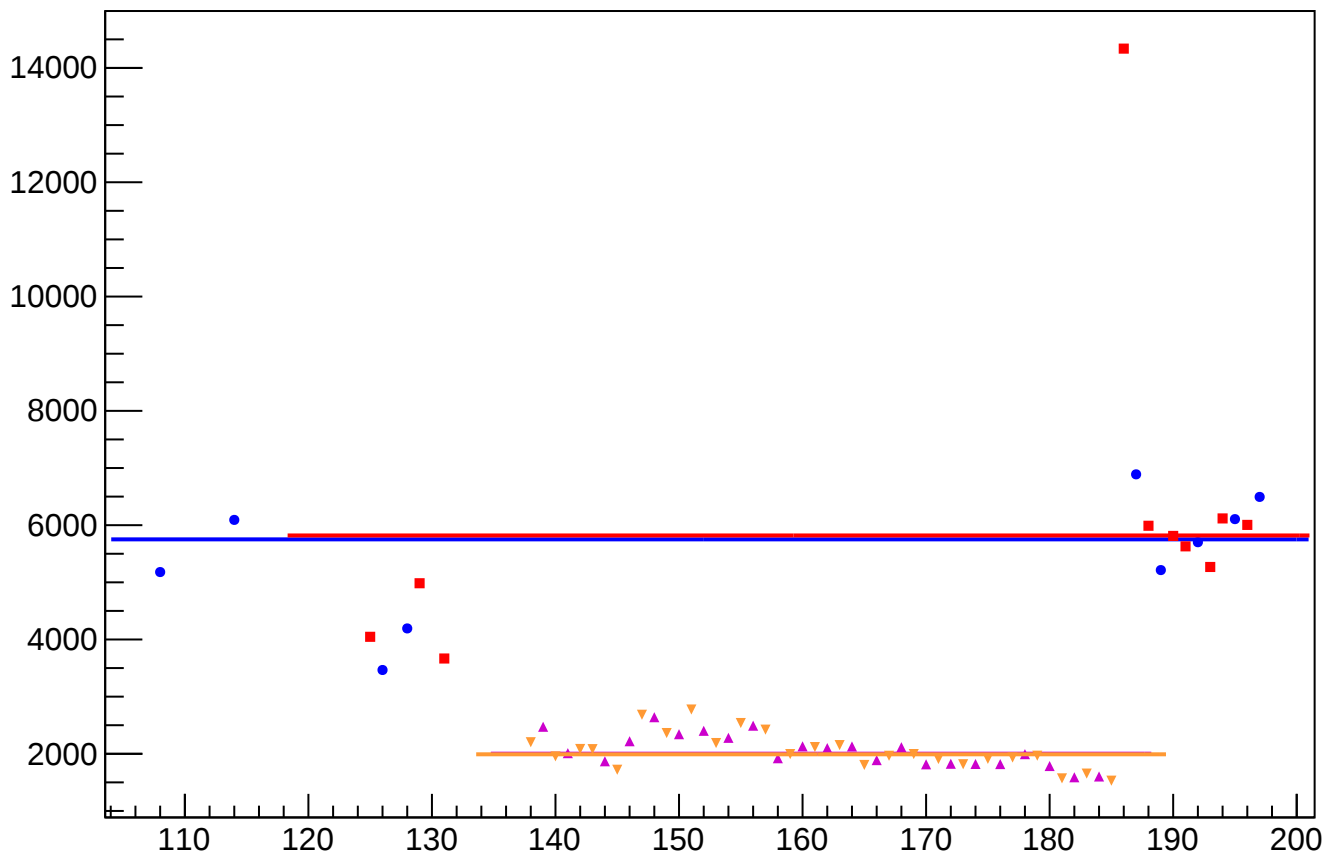
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1216.554 ± 464.100 χ^2/NDF : 41.0/33

All: -555.946 ± 332.597 χ^2/NDF : 93.4/66

- sign 141.570 ± 476.889 χ^2/NDF : 48.2/32

asym_sam2_correction_rms vs Slug



Right In: 5751.806+/-2.268 $\chi^2/\text{NDF}: 101292.7/8$

Left Out: 1991.105+/-0.332 $\chi^2/\text{NDF}: 726310.6/24$

Right Out: 5820.148+/-2.005 $\chi^2/\text{NDF}: 337934.8/9$

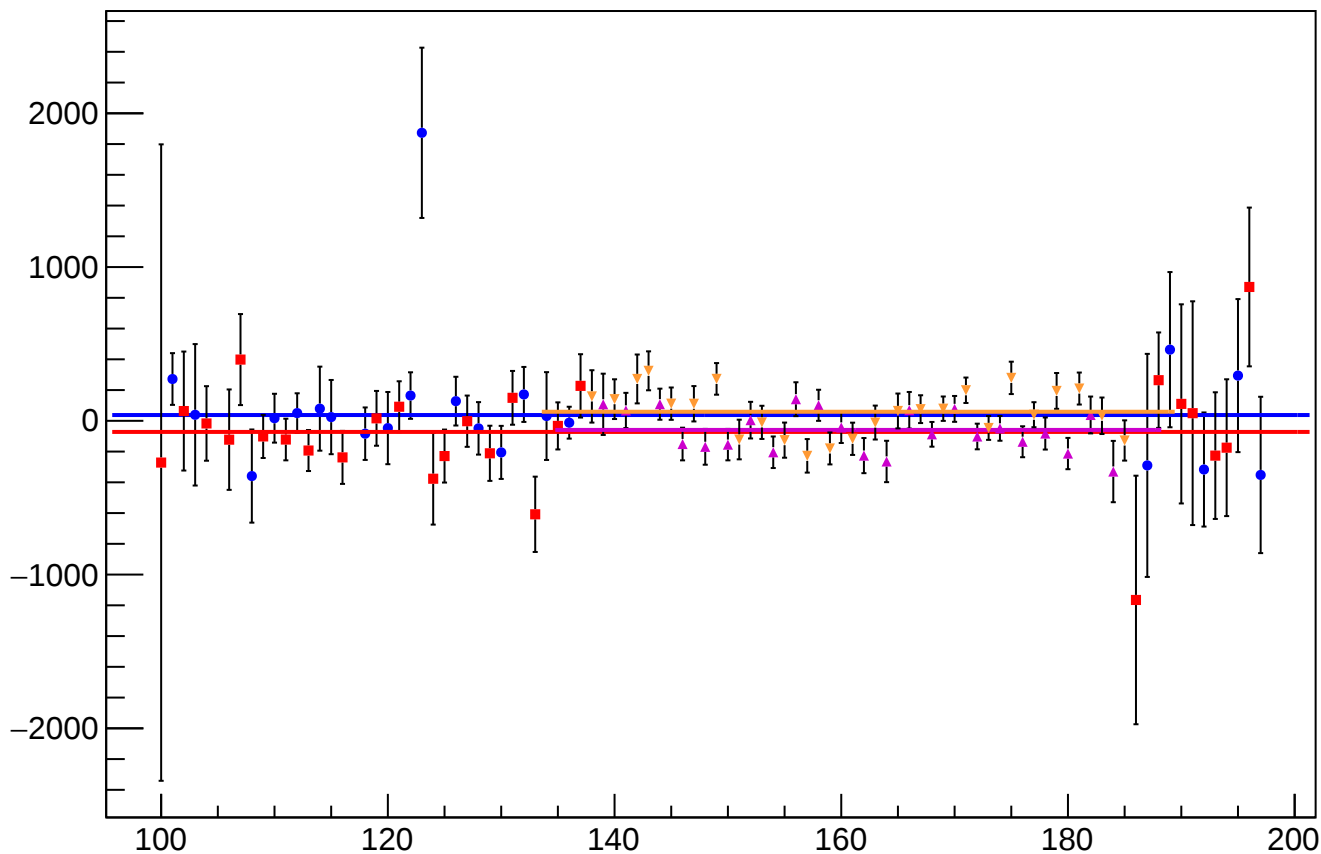
Left In: 2002.154+/-0.342 $\chi^2/\text{NDF}: 585947.4/22$

+ sign 2069.850+/-0.328 $\chi^2/\text{NDF}: 3519833.0/33$

All: 2089.442+/-0.235 $\chi^2/\text{NDF}: 7973898.2/60$

- sign 2110.129+/-0.337 $\chi^2/\text{NDF}: 4446737.8/32$

reg_asym_sam3_mean vs Slug



Right In: 37.637 ± 42.786 χ^2/NDF : 22.1/21

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -72.223 ± 42.018 χ^2/NDF : 23.7/25

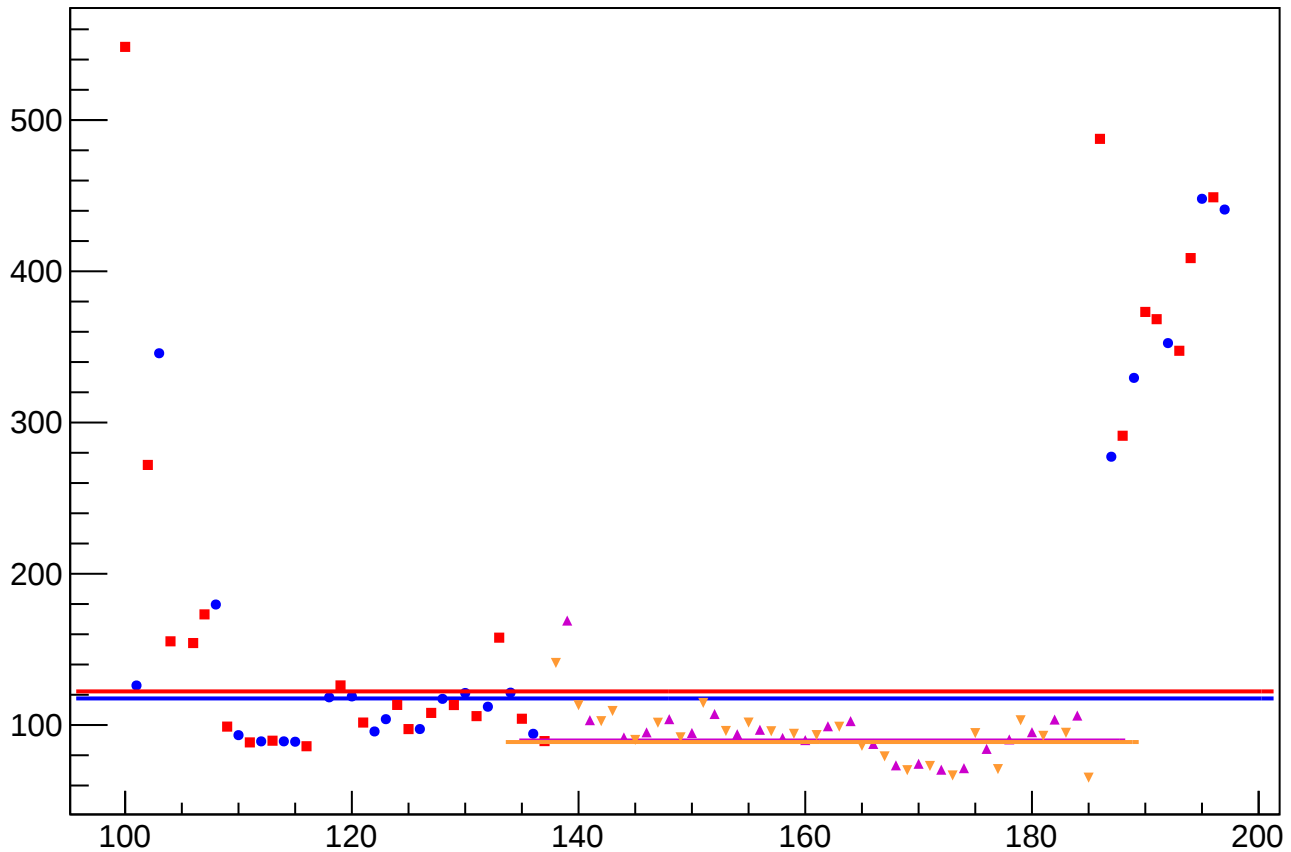
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 54.795 ± 18.951 χ^2/NDF : 69.2/46

All: -2.136 ± 13.568 χ^2/NDF : 140.9/95

- sign -62.013 ± 19.435 χ^2/NDF : 53.2/48

reg_asym_sam3_rms vs Slug



Right In: 117.563 ± 0.030 $\chi^2/\text{NDF}: 3897347.6/21$

Left Out: 88.748 ± 0.015 $\chi^2/\text{NDF}: 1079338.8/24$

Right Out: 122.224 ± 0.030 $\chi^2/\text{NDF}: 4880200.2/25$

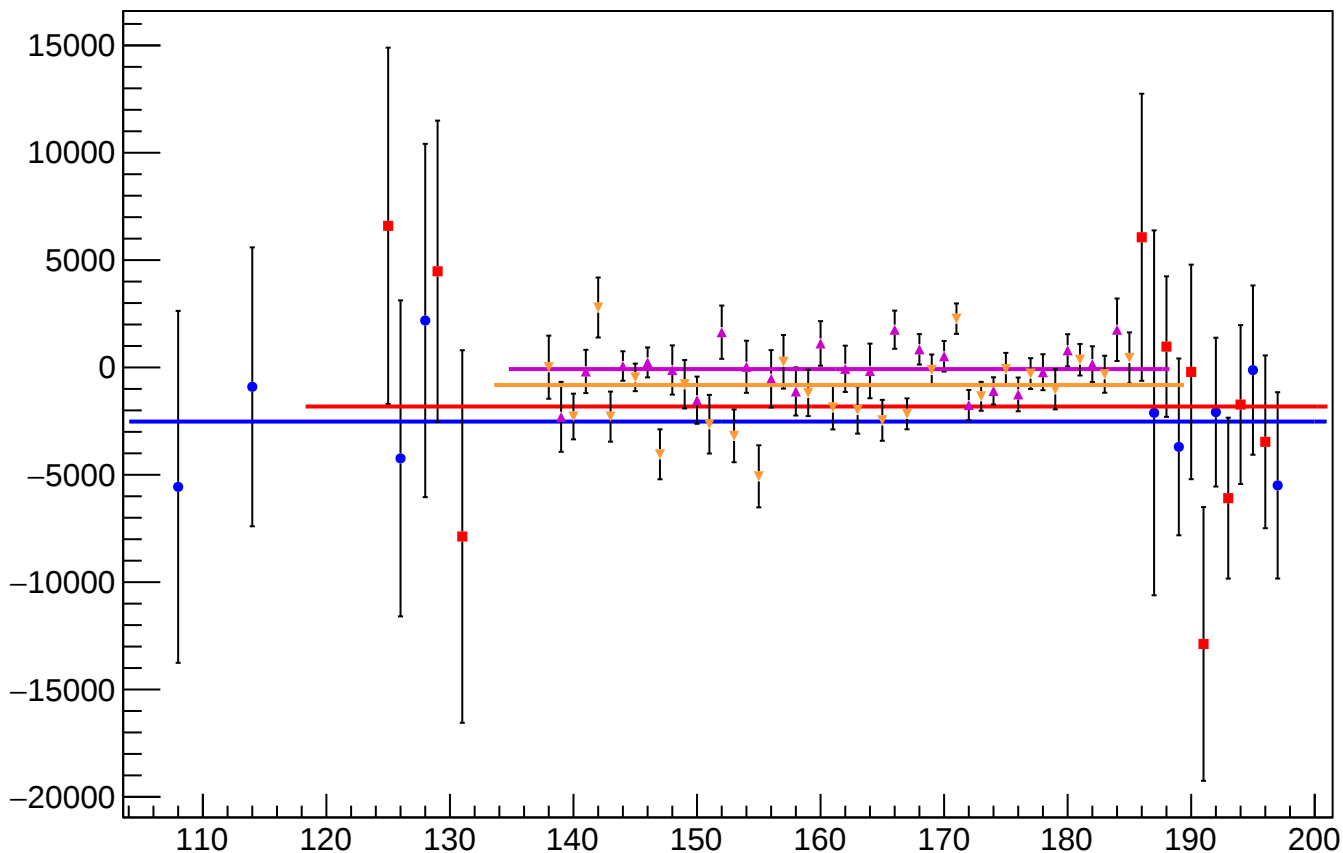
Left In: 89.766 ± 0.016 $\chi^2/\text{NDF}: 885818.0/22$

+ sign 94.401 ± 0.013 $\chi^2/\text{NDF}: 5705826.5/46$

All: 95.526 ± 0.010 $\chi^2/\text{NDF}: 12424435.1/95$

- sign 96.710 ± 0.014 $\chi^2/\text{NDF}: 6704137.3/48$

asym_sam3_correction_mean vs Slug



Right In: -2520.100 ± 1701.557 $\chi^2/\text{NDF}: 1.5/8$

Left Out: -818.877 ± 184.464 $\chi^2/\text{NDF}: 68.2/24$

Right Out: -1818.968 ± 1517.086 $\chi^2/\text{NDF}: 9.0/9$

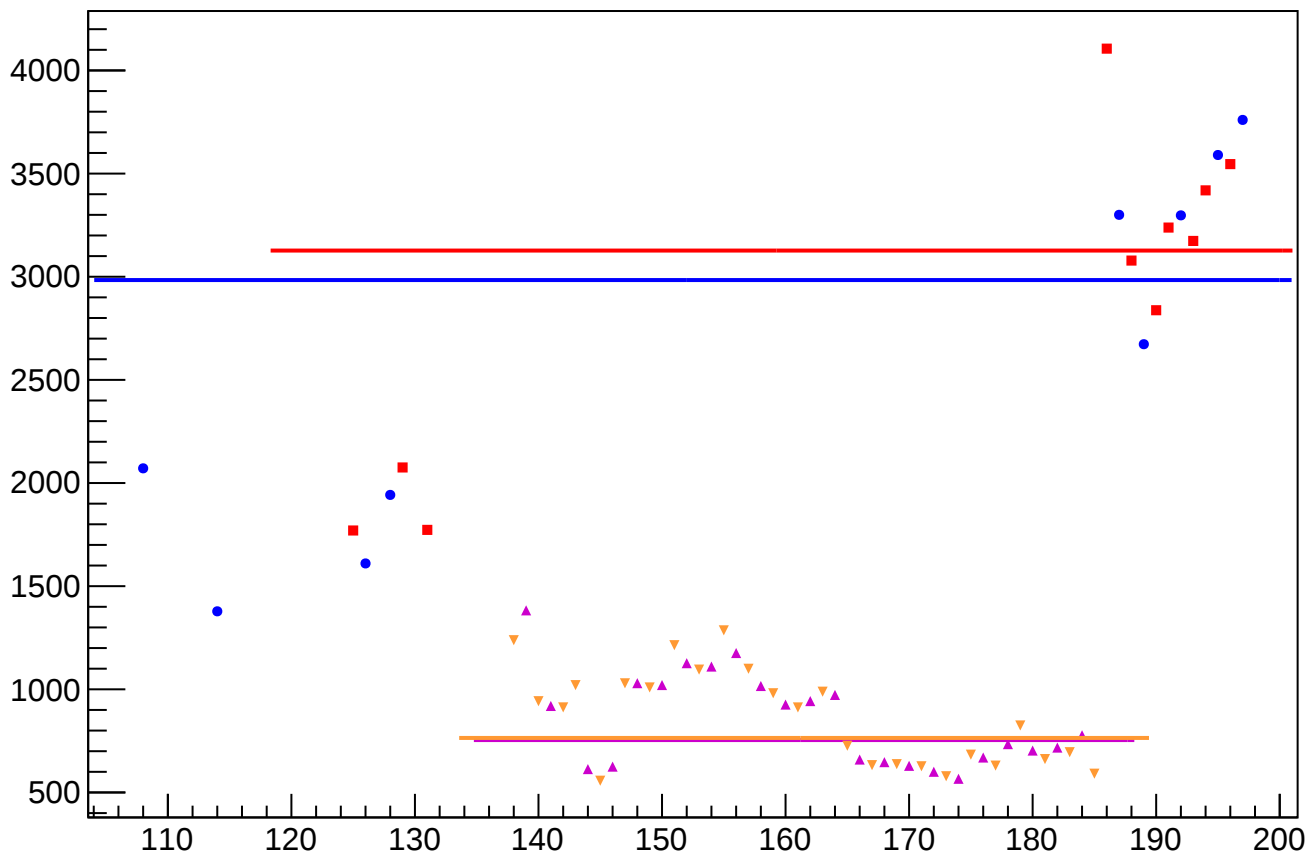
Left In: -76.204 ± 186.651 $\chi^2/\text{NDF}: 28.3/22$

+ sign -838.638 ± 183.389 $\chi^2/\text{NDF}: 70.7/33$

All: -474.139 ± 130.330 $\chi^2/\text{NDF}: 117.3/66$

- sign -102.191 ± 185.254 $\chi^2/\text{NDF}: 38.6/32$

asym_sam3_correction_rms vs Slug



Right In: 2983.906 $\pm$ 1.203 χ^2 /NDF: 390668.5/8

Left Out: 764.280 $\pm$ 0.130 χ^2 /NDF: 2315985.8/24

Right Out: 3126.904 $\pm$ 1.073 χ^2 /NDF: 232141.1/9

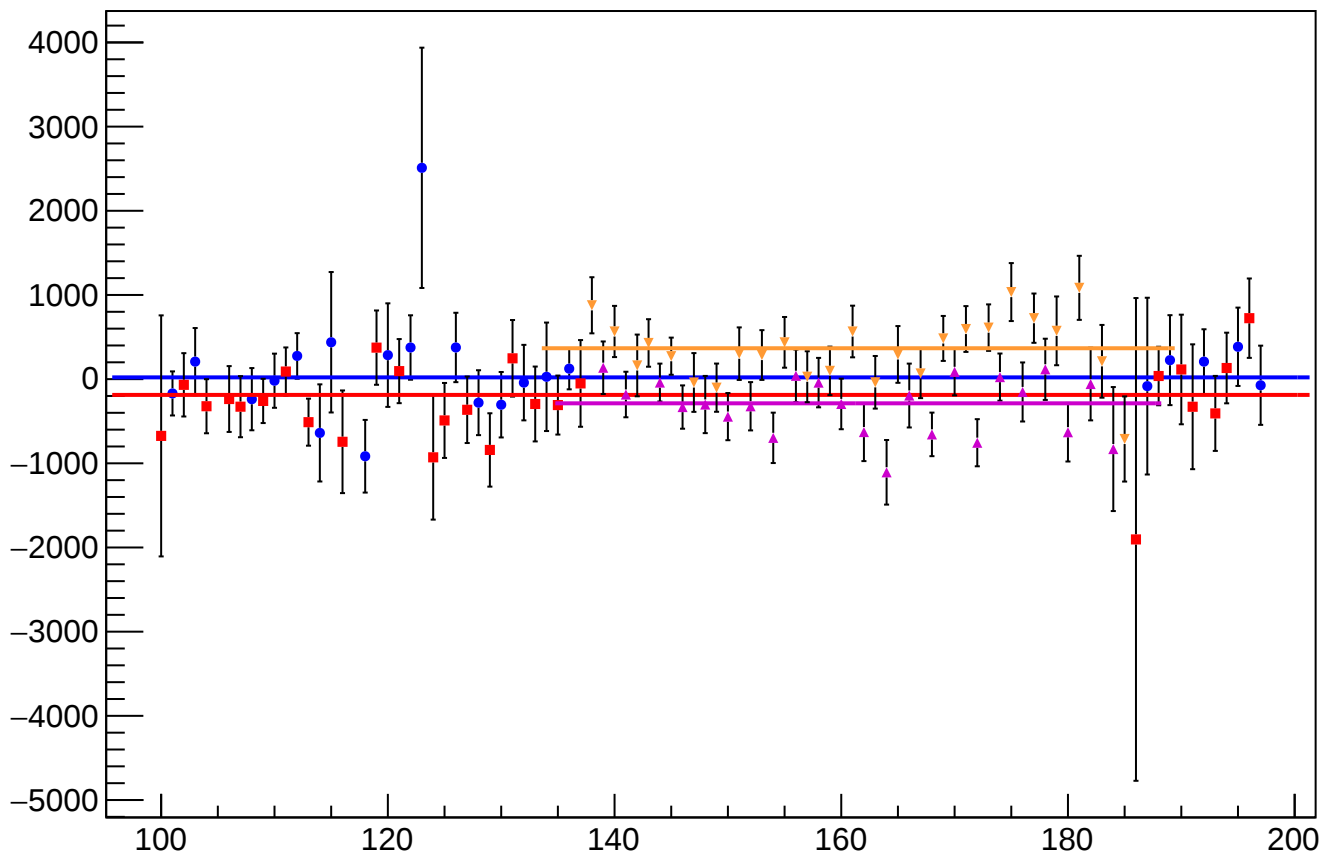
Left In: 754.027 $\pm$ 0.132 χ^2 /NDF: 2013386.7/22

+ sign 790.063 $\pm$ 0.130 χ^2 /NDF: 6070395.0/33

All: 789.739 $\pm$ 0.092 χ^2 /NDF: 13135808.2/60

- sign 789.409 $\pm$ 0.131 χ^2 /NDF: 7065400.7/32

reg_asym_sam4_mean vs Slug



Right In: 20.962 ± 86.132 χ^2/NDF : 15.8/21

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: -187.356 ± 80.655 χ^2/NDF : 16.6/25

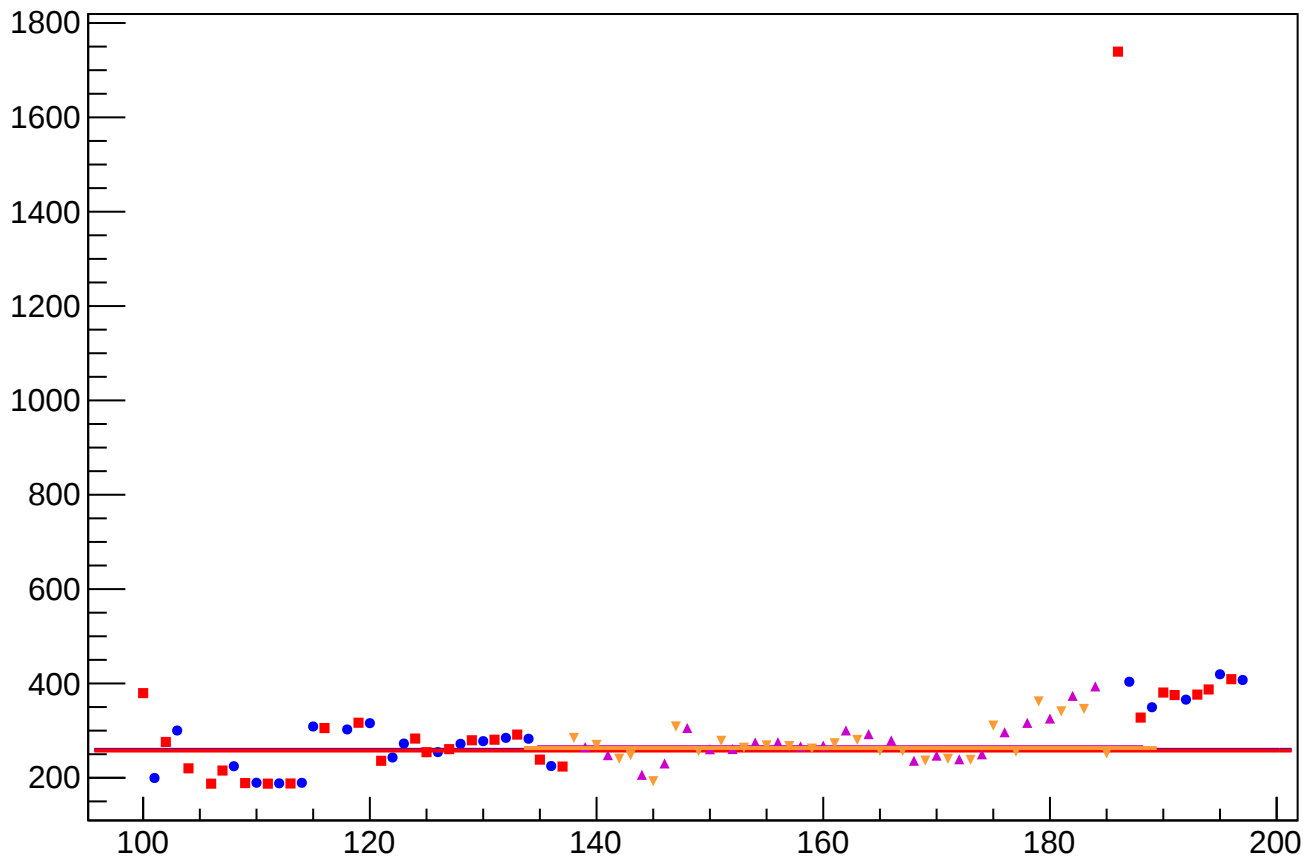
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 249.057 ± 50.289 χ^2/NDF : 54.7/46

All: -0.178 ± 35.529 χ^2/NDF : 145.1/95

- sign -248.548 ± 50.202 χ^2/NDF : 41.4/48

reg_asym_sam4_rms vs Slug



Right In: 259.258 $\pm$ 0.061 χ^2 /NDF: 1189676.1/21

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 257.841 $\pm$ 0.057 χ^2 /NDF: 1888598.2/25

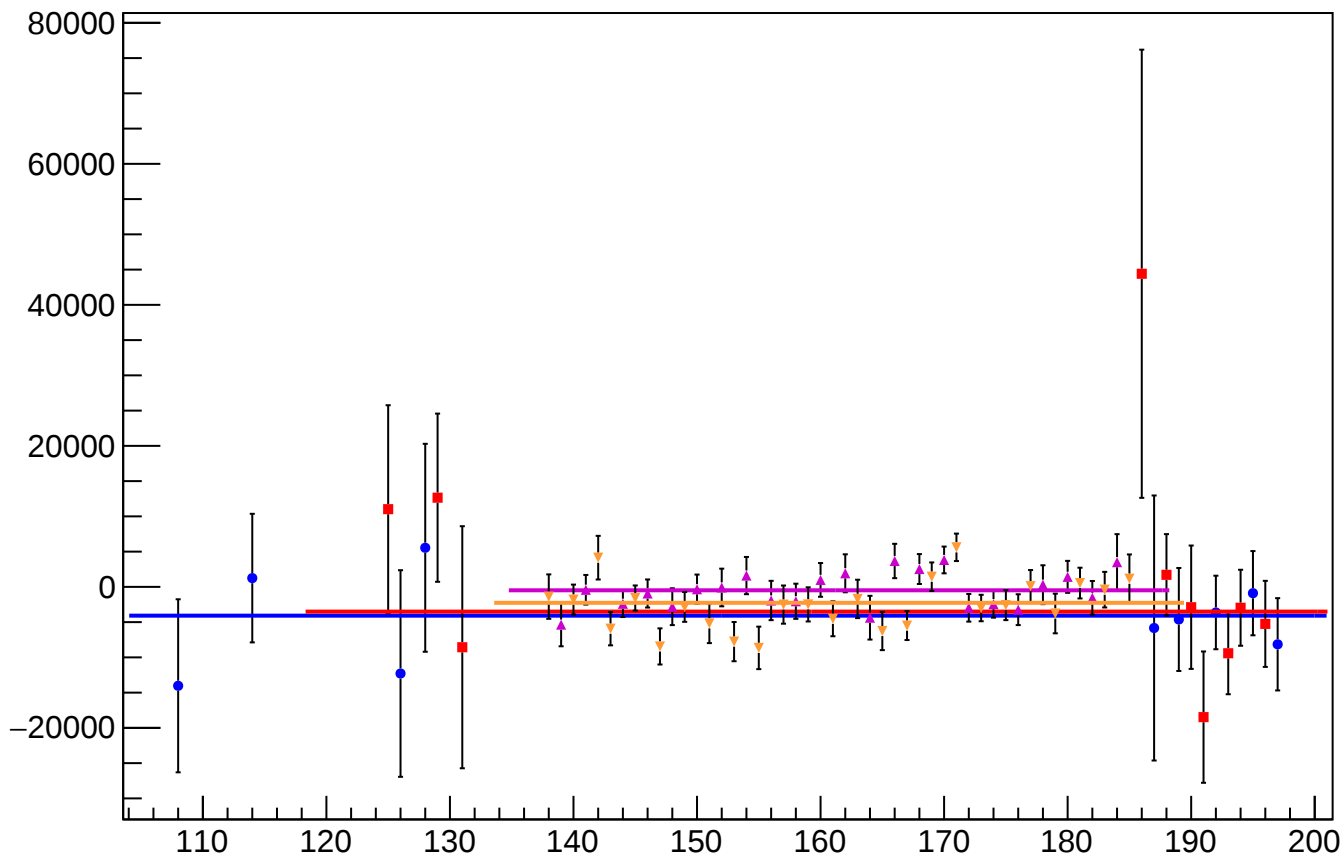
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 261.792 $\pm$ 0.036 χ^2 /NDF: 1834528.2/46

All: 261.986 $\pm$ 0.025 χ^2 /NDF: 4341655.3/95

- sign 262.180 $\pm$ 0.035 χ^2 /NDF: 2507067.7/48

asym_sam4_correction_mean vs Slug



Right In: -4082.054 ± 2695.485 χ^2/NDF : 2.4/8

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -3506.804 ± 2488.534 χ^2/NDF : 9.7/9

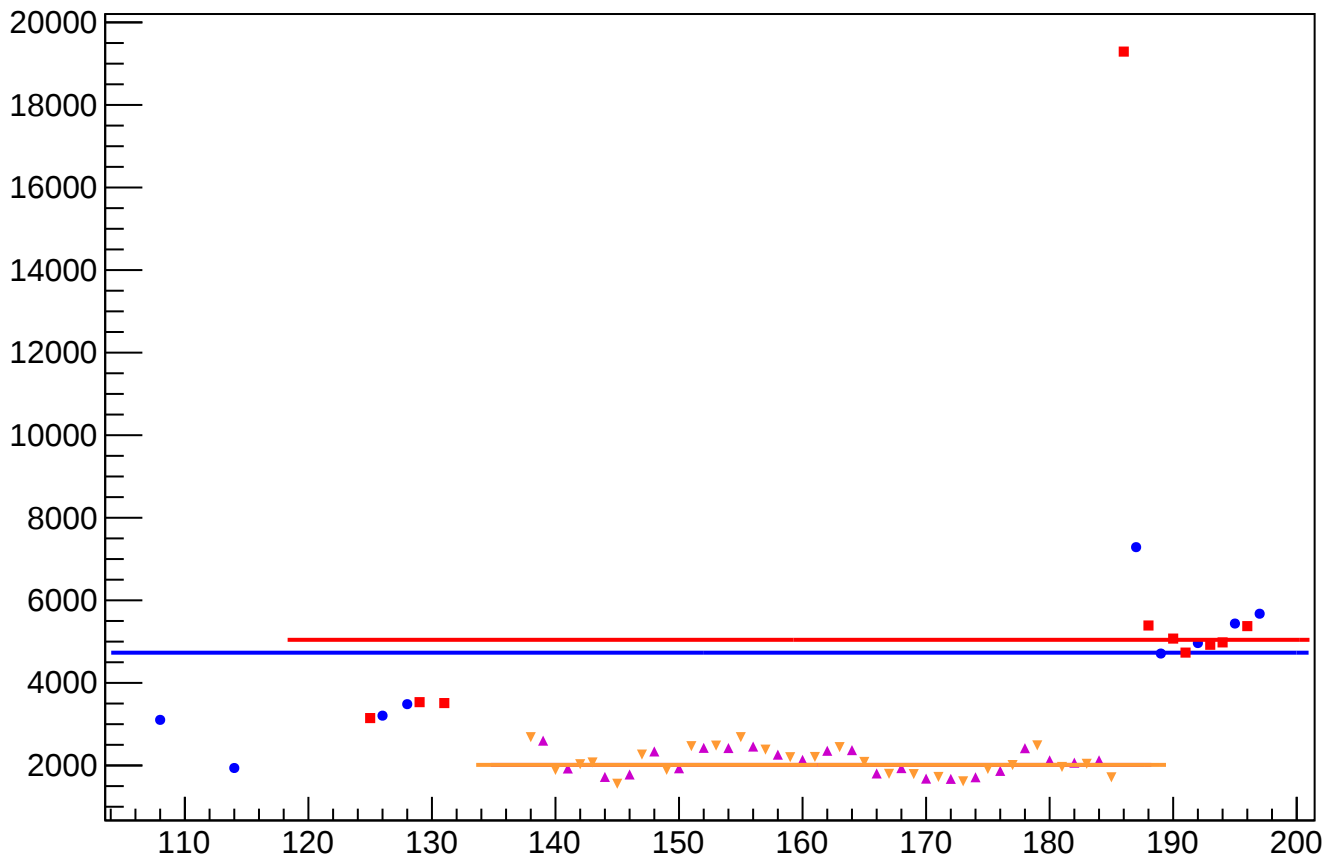
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2315.143 ± 468.113 χ^2/NDF : 55.2/33

All: -1474.810 ± 334.575 χ^2/NDF : 97.7/66

- sign -597.232 ± 478.374 χ^2/NDF : 35.9/32

asym_sam4_correction_rms vs Slug



Right In: 4731.790+/-1.906 χ^2/NDF : 369309.7/8

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 5043.562+/-1.760 χ^2/NDF : 499480.6/9

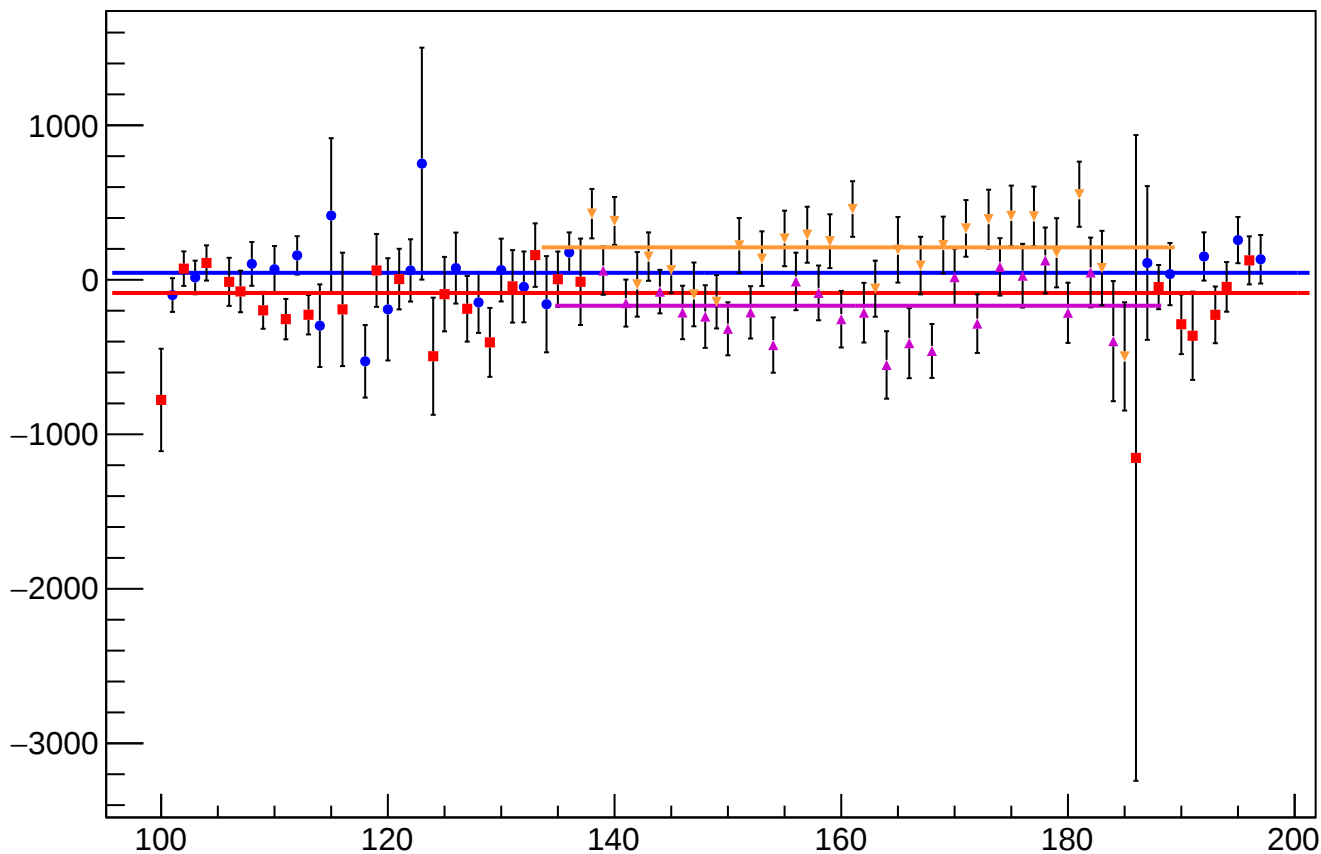
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2096.070+/-0.331 χ^2/NDF : 3176727.3/33

All: 2110.331+/-0.237 χ^2/NDF : 7198135.0/60

- sign 2125.224+/-0.338 χ^2/NDF : 4017613.1/32

reg_asym_sam5_mean vs Slug



Right In: 45.119+/-37.473 χ^2/NDF : 17.8/21

Left Out: 210.086+/-37.093 χ^2/NDF : 27.5/24

Right Out: -85.344+/-34.216 χ^2/NDF : 24.0/25

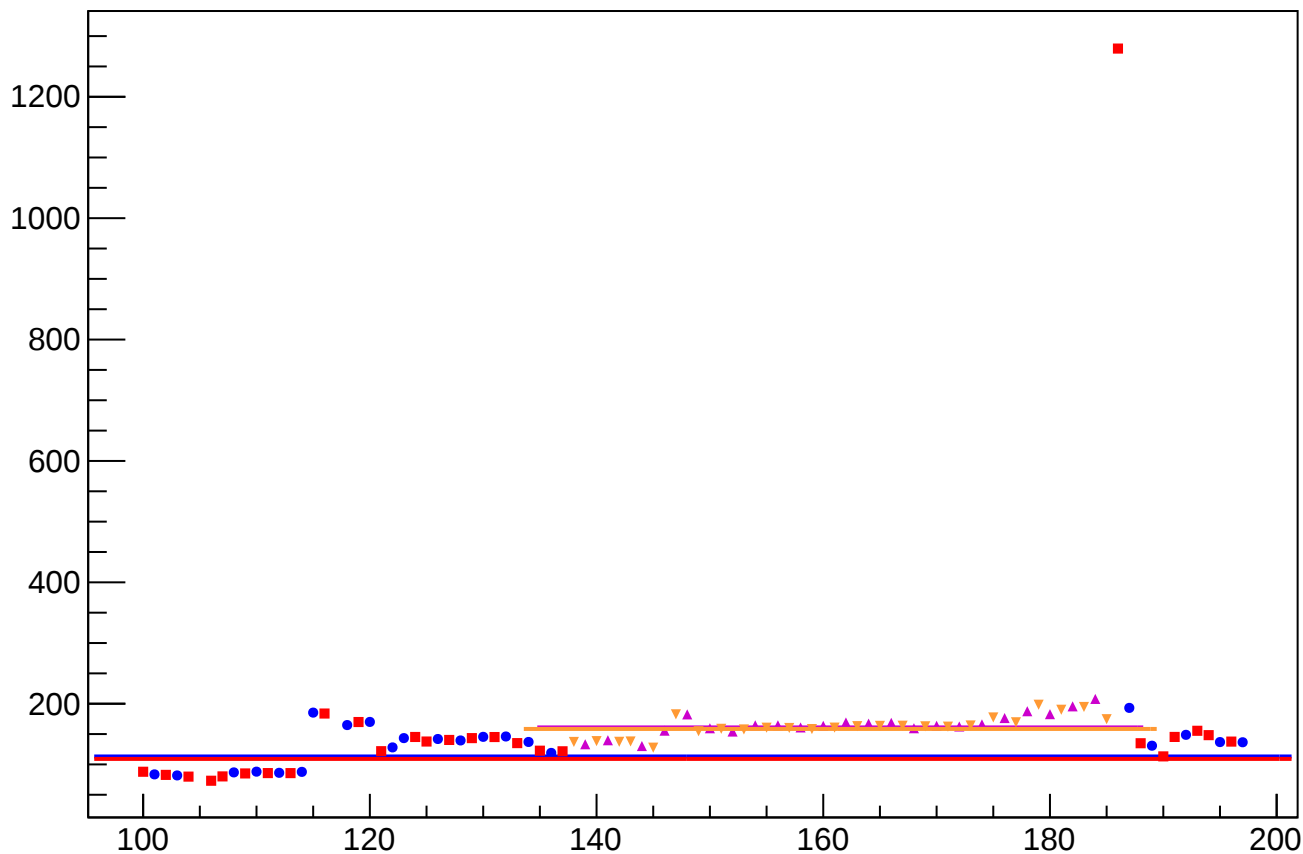
Left In: -167.822+/-38.718 χ^2/NDF : 21.1/22

+ sign 128.441+/-26.362 χ^2/NDF : 55.1/46

All: -0.011+/-18.380 χ^2/NDF : 149.0/95

- sign -121.511+/-25.639 χ^2/NDF : 47.7/48

reg_asym_sam5_rms vs Slug



Right In: 113.070 $\pm$ 0.026 χ^2 /NDF: 1201182.0/21

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 109.075 $\pm$ 0.024 χ^2 /NDF: 2155013.9/25

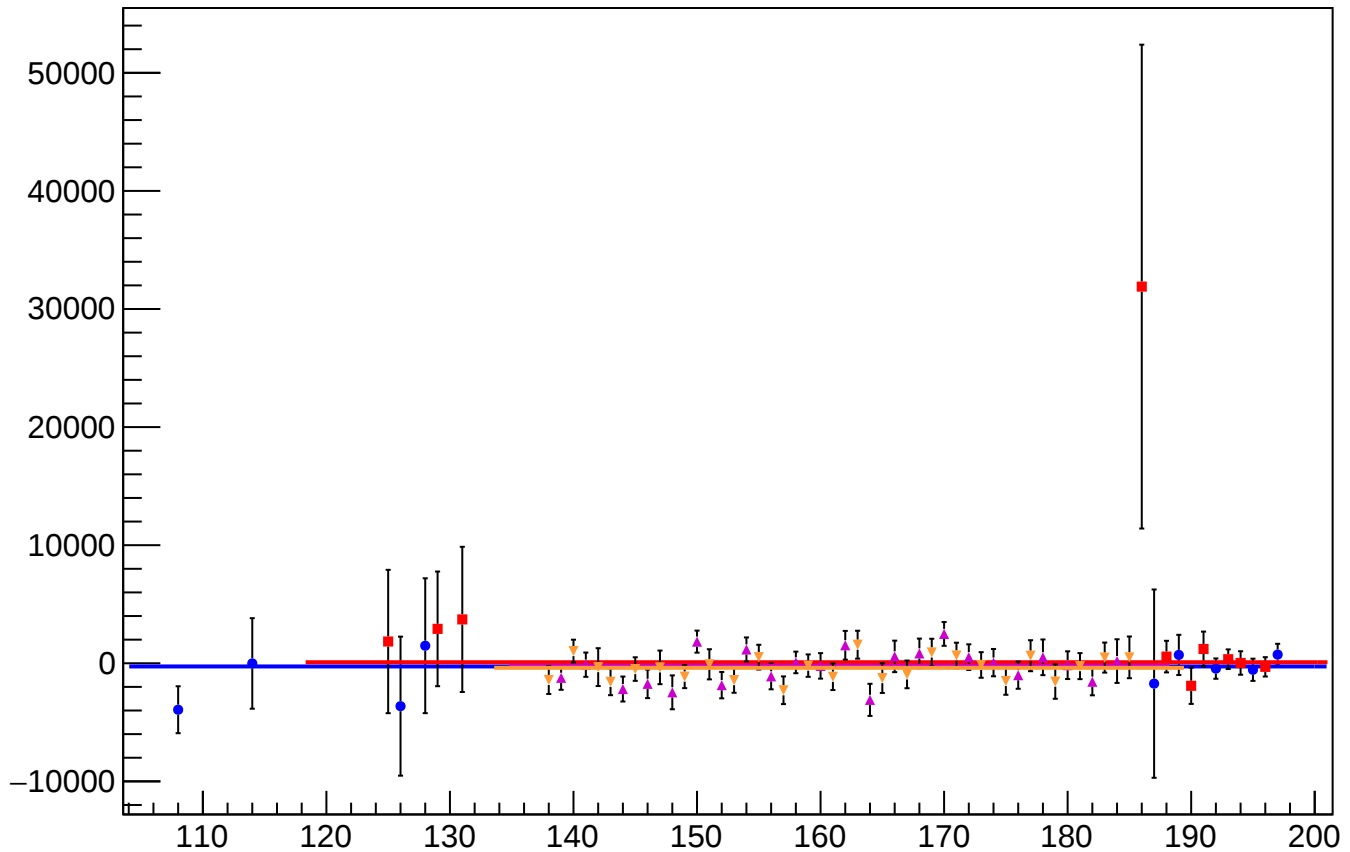
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.986 $\pm$ 0.019 χ^2 /NDF: 3116325.5/46

All: 133.846 $\pm$ 0.013 χ^2 /NDF: 7692414.3/95

- sign 131.821 $\pm$ 0.018 χ^2 /NDF: 4550436.2/48

asym_sam5_correction_mean vs Slug



Right In: -269.224+/-475.585 χ^2/NDF : 5.5/8

Left Out: -385.018+/-231.833 χ^2/NDF : 18.1/24

Right Out: 88.435+/-426.657 χ^2/NDF : 5.9/9

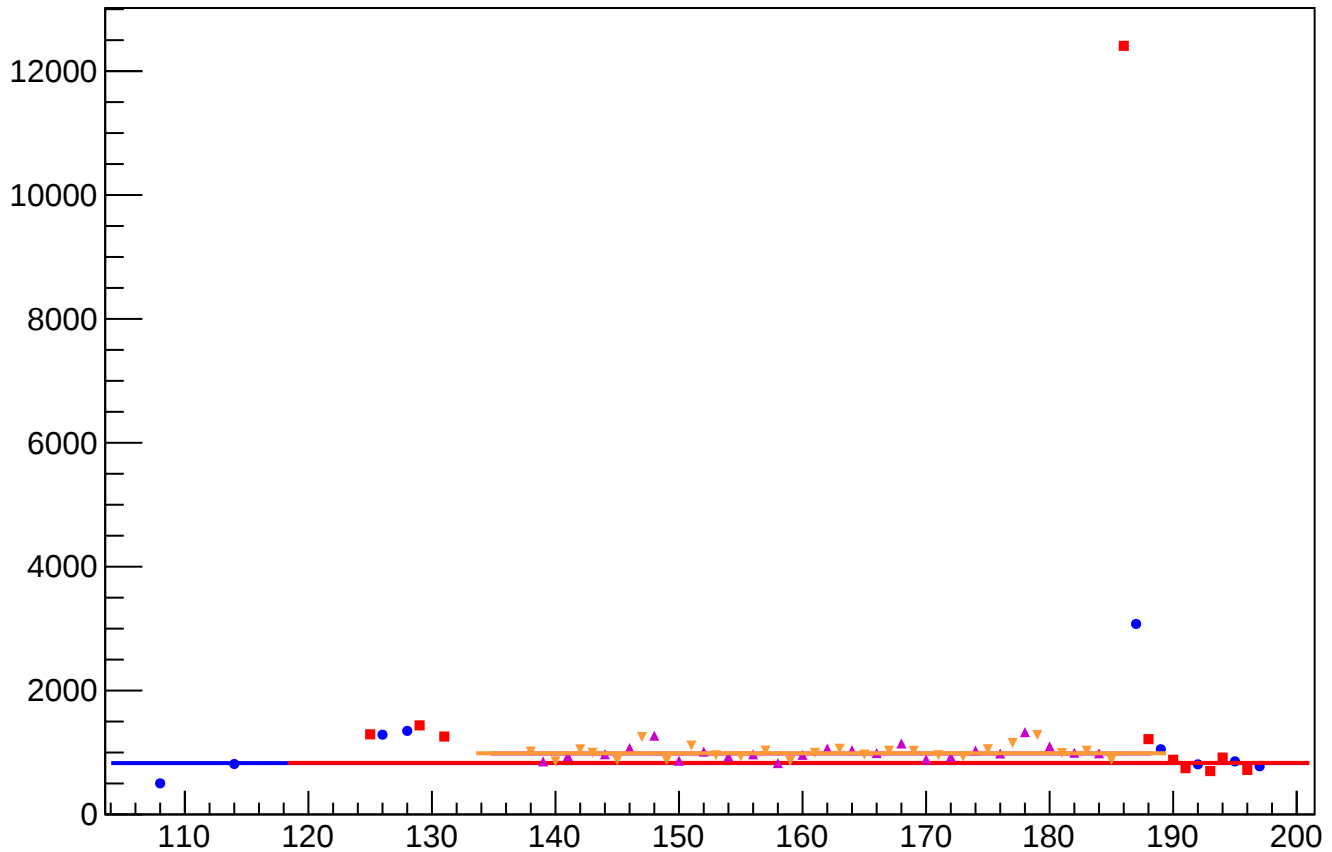
Left In: -202.234+/-237.460 χ^2/NDF : 35.5/22

+ sign -362.786+/-208.392 χ^2/NDF : 23.6/33

All: -247.640+/-147.035 χ^2/NDF : 66.0/66

- sign -133.491+/-207.489 χ^2/NDF : 41.7/32

asym_sam5_correction_rms vs Slug



Right In: 829.160+/-0.336 χ^2/NDF : 285558.6/8

Left Out: 987.869+/-0.164 χ^2/NDF : 376958.5/24

Right Out: 832.265+/-0.302 χ^2/NDF : 968095.5/9

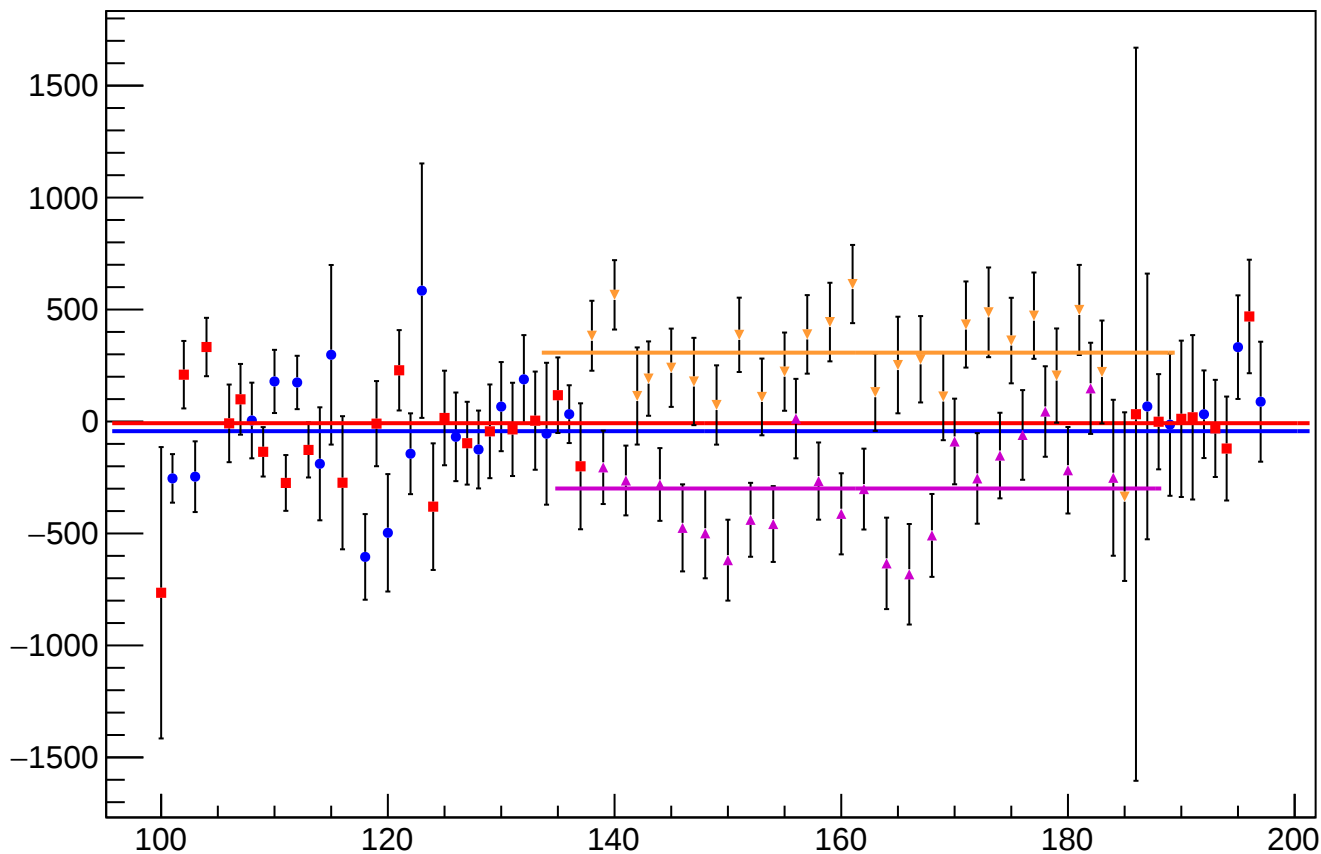
Left In: 983.893+/-0.168 χ^2/NDF : 416265.7/22

+ sign 957.396+/-0.147 χ^2/NDF : 842481.8/33

All: 952.694+/-0.104 χ^2/NDF : 2421730.9/66

- sign 948.033+/-0.147 χ^2/NDF : 1577221.5/32

reg_asym_sam6_mean vs Slug



Right In: -43.161 ± 39.860 χ^2/NDF : 30.9/21

Left Out: 307.487 ± 37.278 χ^2/NDF : 20.7/24

Right Out: -7.523 ± 36.926 χ^2/NDF : 26.9/25

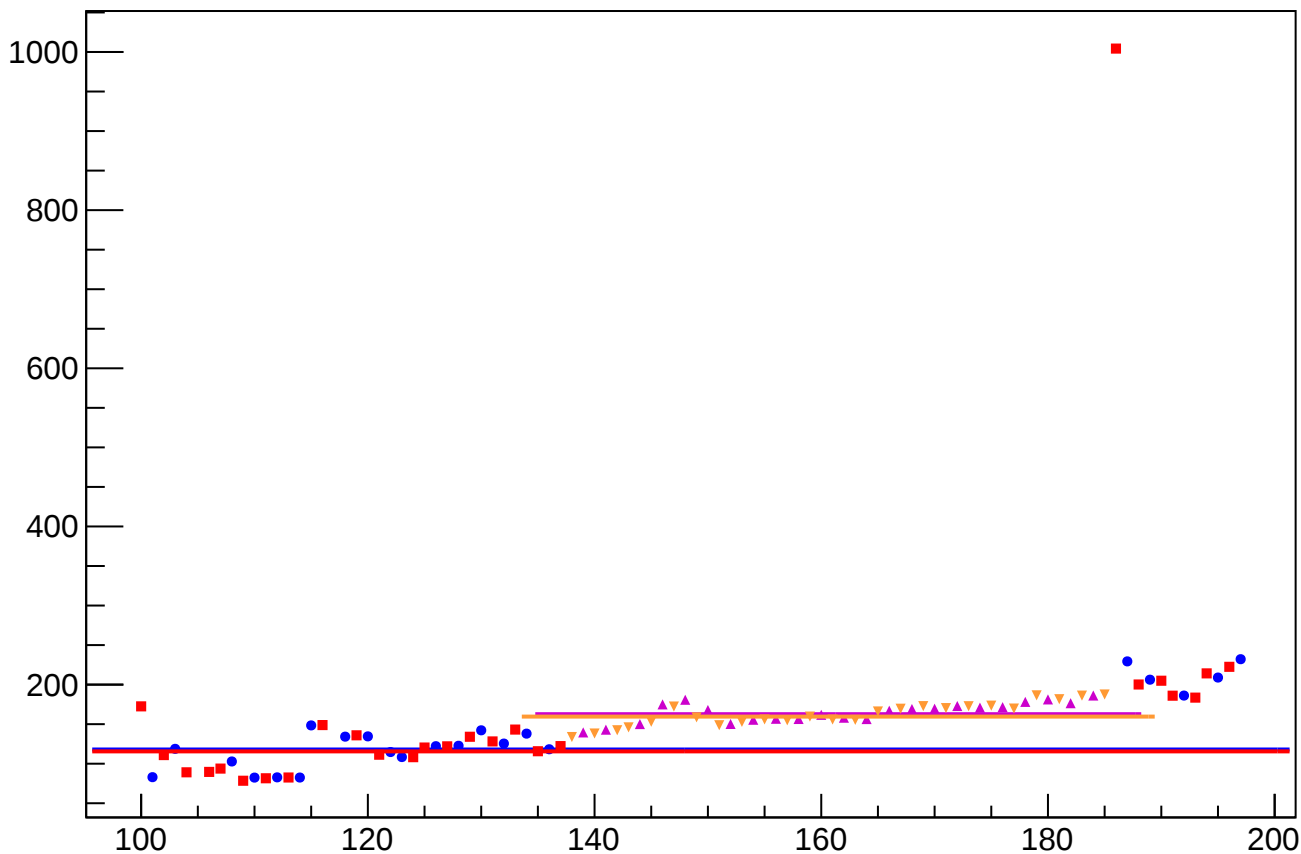
Left In: -299.192 ± 39.009 χ^2/NDF : 28.5/22

+ sign 143.887 ± 27.226 χ^2/NDF : 92.8/46

All: -2.930 ± 19.105 χ^2/NDF : 235.1/95

- sign -145.363 ± 26.817 χ^2/NDF : 85.0/48

reg_asym_sam6_rms vs Slug



Right In: 117.959 $\pm$ 0.028 χ^2 /NDF: 1784225.8/21

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF: 287744.2/24

Right Out: 115.576 $\pm$ 0.026 χ^2 /NDF: 2835613.2/25

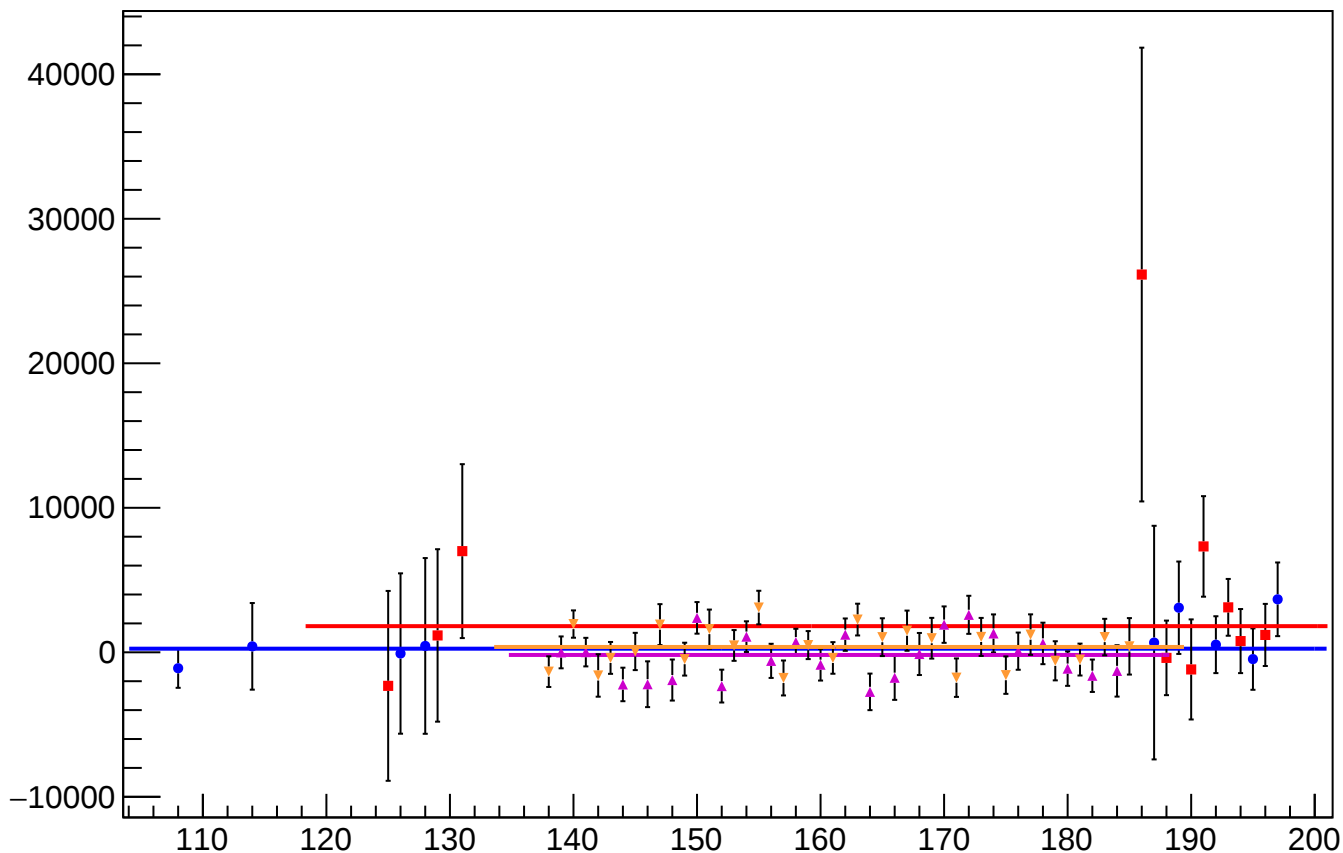
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF: 199542.3/22

+ sign 140.155 $\pm$ 0.019 χ^2 /NDF: 3234592.6/46

All: 138.961 $\pm$ 0.014 χ^2 /NDF: 7810537.6/95

- sign 137.802 $\pm$ 0.019 χ^2 /NDF: 4568365.9/48

asym_sam6_correction_mean vs Slug



Right In: 250.691 $\pm$ 827.290 χ^2 /NDF: 3.7/8

Left Out: 370.001 $\pm$ 243.521 χ^2 /NDF:30.5/24

Right Out: 1809.876 $\pm$ 963.141 χ^2 /NDF: 8.3/9

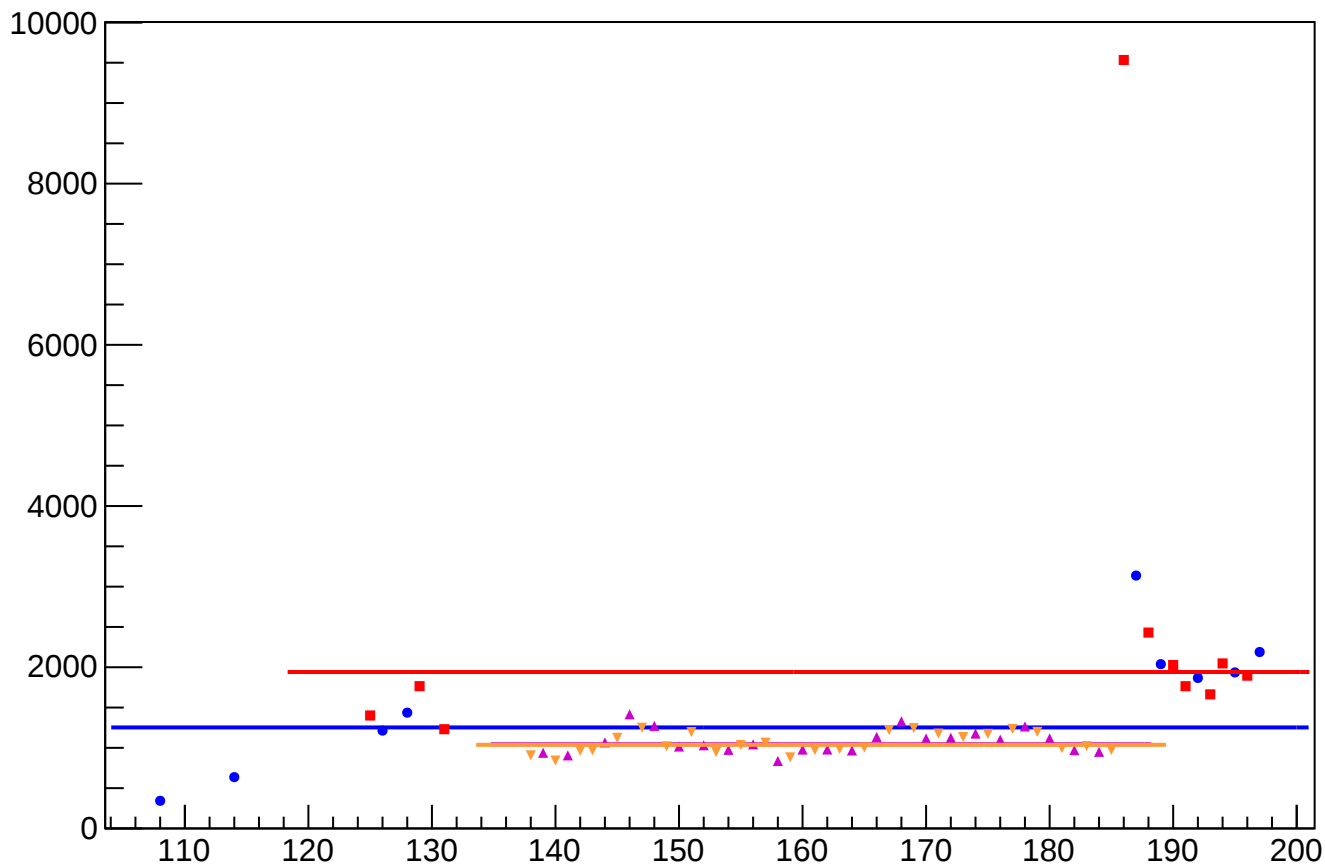
Left In: -183.107 $\pm$ 252.258 χ^2 /NDF:36.5/22

+ sign 360.487 $\pm$ 233.610 χ^2 /NDF: 34.2/33

All: 161.720 $\pm$ 168.750 χ^2 /NDF: 84.5/66

- sign -55.169 $\pm$ 244.027 χ^2 /NDF: 48.8/32

asym_sam6_correction_rms vs Slug



Right In: 1253.300+/-0.585 χ^2/NDF : 1887084.4/8

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1940.911+/-0.681 χ^2/NDF : 634428.8/9

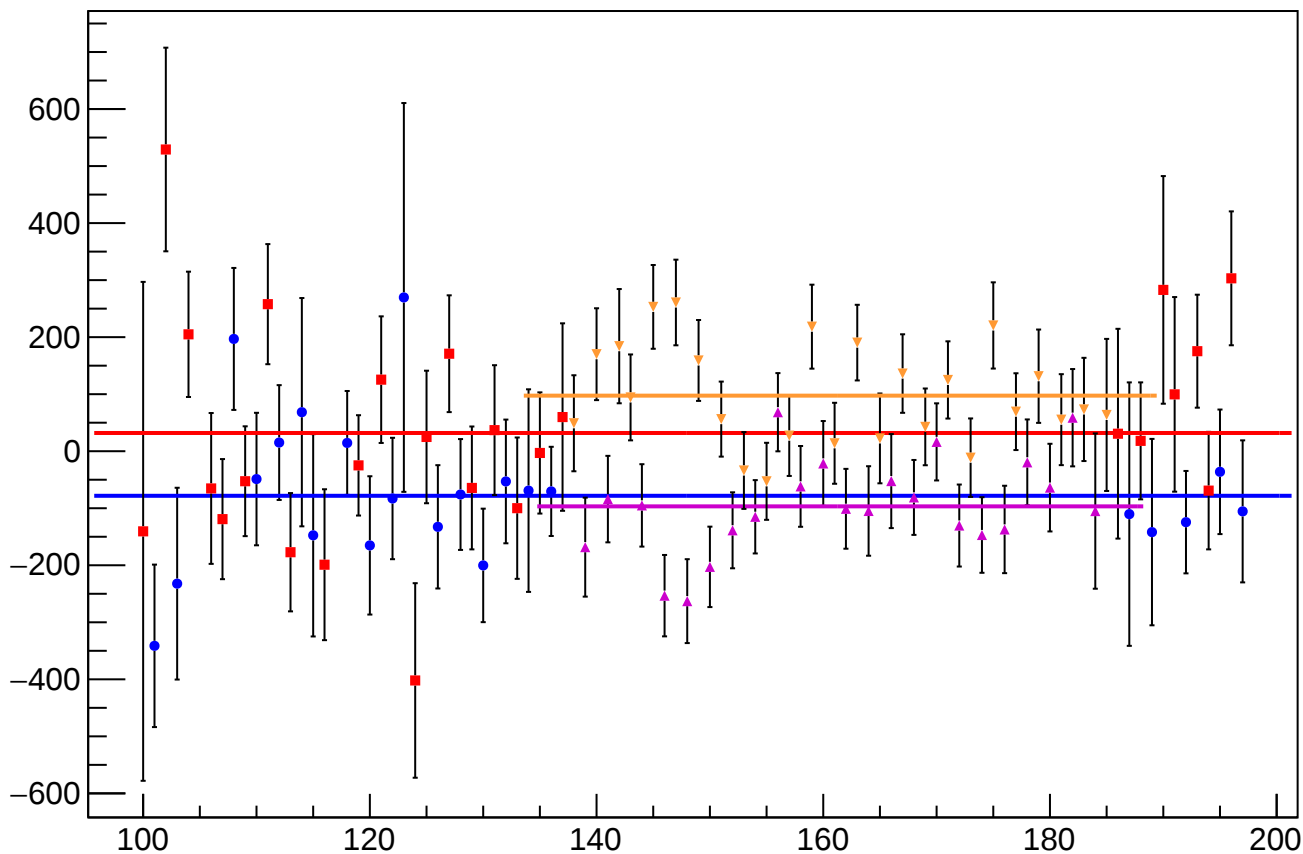
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1054.882+/-0.165 χ^2/NDF : 2507082.3/33

All: 1077.545+/-0.119 χ^2/NDF : 5344550.5/60

- sign 1102.274+/-0.173 χ^2/NDF : 2798106.0/32

reg_asym_sam7_mean vs Slug



Right In: -78.172 ± 25.275 χ^2/NDF : 15.8/21

Left Out: 97.445 ± 14.880 χ^2/NDF : 36.0/24

Right Out: 31.964 ± 23.339 χ^2/NDF : 47.1/25

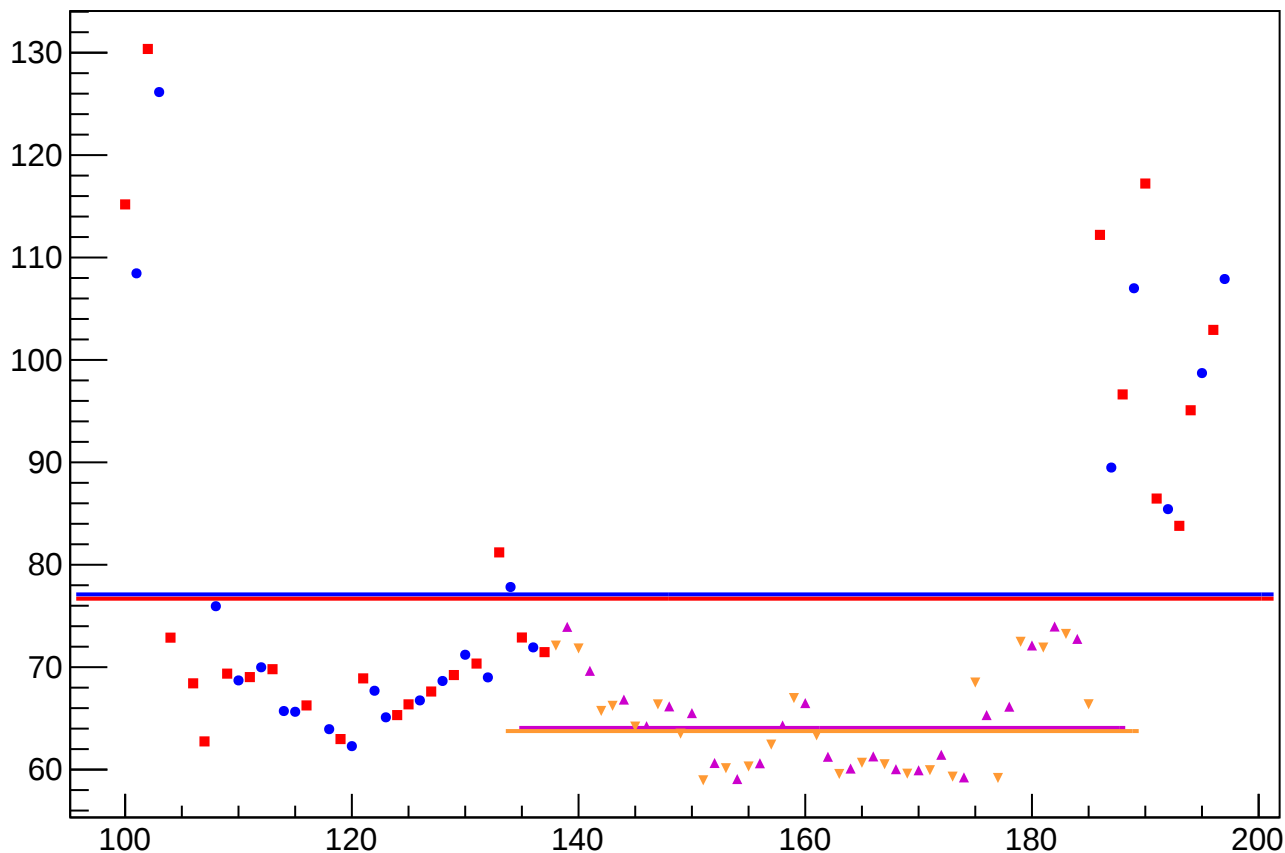
Left In: -96.704 ± 15.369 χ^2/NDF : 29.2/22

+ sign 52.244 ± 12.823 χ^2/NDF : 87.7/46

All: -2.713 ± 9.072 χ^2/NDF : 222.0/95

- sign -57.785 ± 12.836 χ^2/NDF : 97.6/48

reg_asym_sam7_rms vs Slug



Right In: 77.105 $\pm$ 0.018 χ^2 /NDF: 743110.2/21

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF:192803.8/24

Right Out: 76.687 $\pm$ 0.017 χ^2 /NDF: 819885.0/25

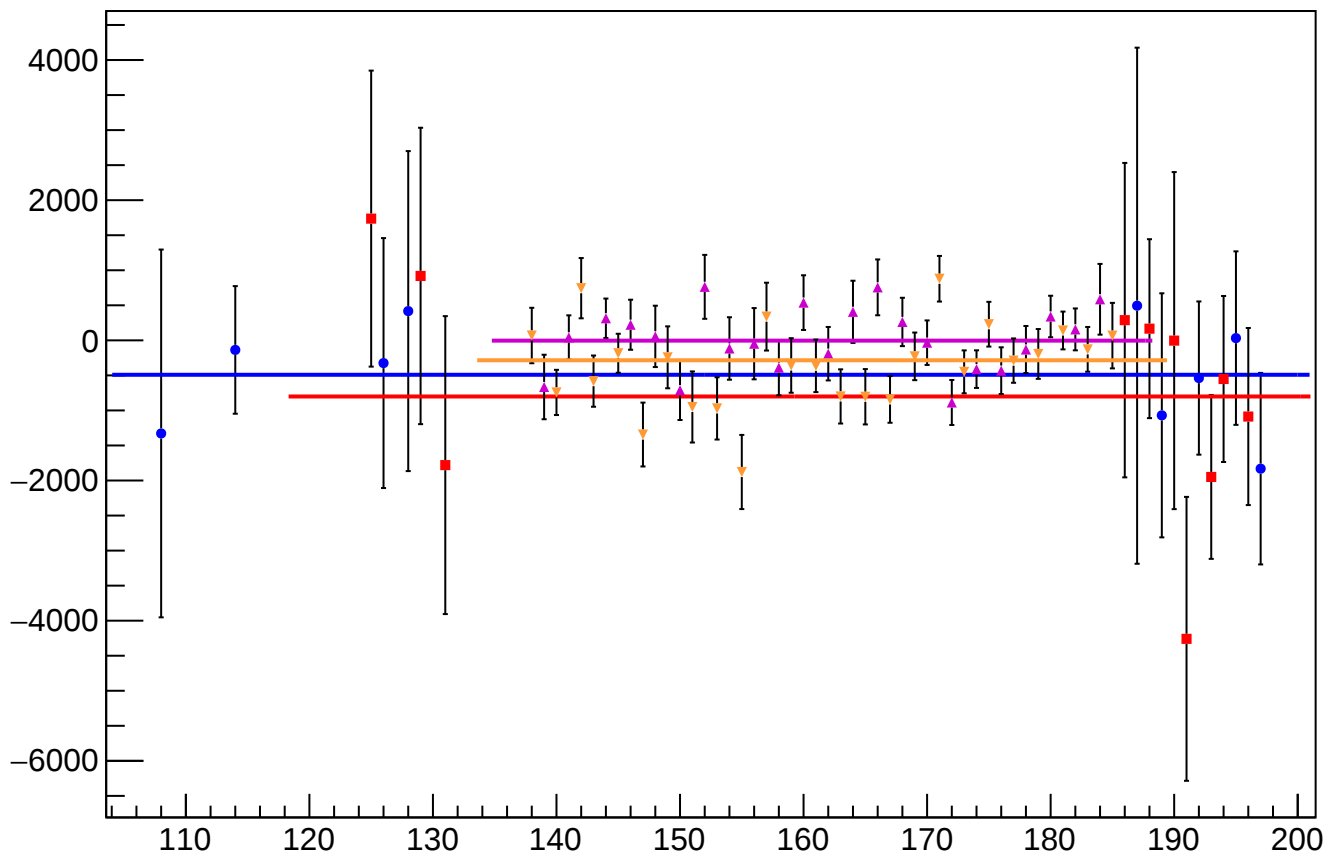
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF:164660.4/22

+ sign 67.196 $\pm$ 0.009 χ^2 /NDF: 1349884.9/46

All: 67.540 $\pm$ 0.006 χ^2 /NDF: 2745122.1/95

- sign 67.885 $\pm$ 0.009 χ^2 /NDF: 1392345.7/48

asym_sam7_correction_mean vs Slug



Right In: -491.252 ± 482.997 $\chi^2/\text{NDF}: 1.7/8$

Left Out: -284.304 ± 72.732 $\chi^2/\text{NDF}: 55.1/24$

Right Out: -800.952 ± 501.908 $\chi^2/\text{NDF}: 7.2/9$

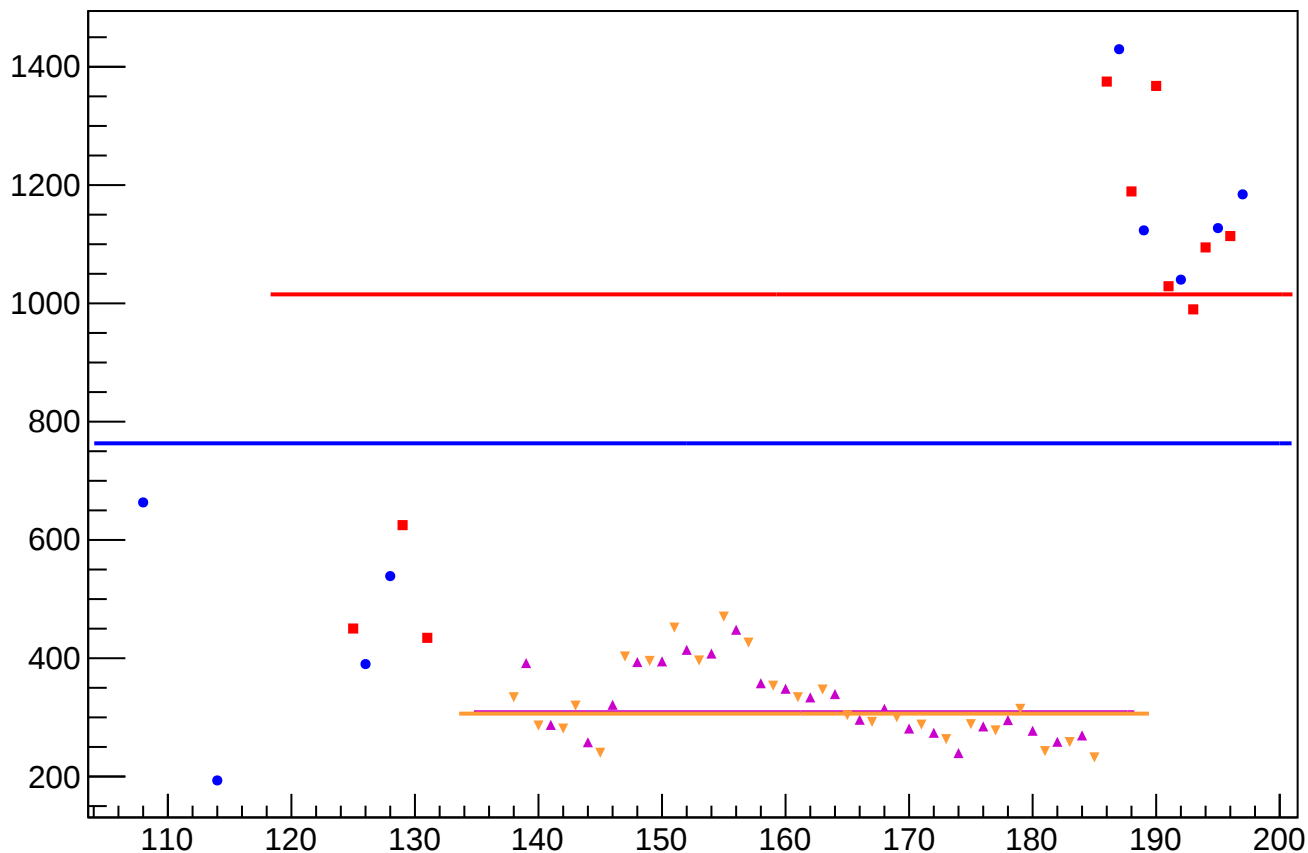
Left In: -4.037 ± 75.084 $\chi^2/\text{NDF}: 32.4/22$

+ sign -288.892 ± 71.922 $\chi^2/\text{NDF}: 57.0/33$

All: -159.460 ± 51.662 $\chi^2/\text{NDF}: 105.7/66$

- sign -21.481 ± 74.258 $\chi^2/\text{NDF}: 42.0/32$

asym_sam7_correction_rms vs Slug



Right In: 763.378+/-0.342 χ^2/NDF : 1535410.9/8

Left Out: 306.363+/-0.051 χ^2/NDF :1215669.9/24

Right Out: 1015.215+/-0.355 χ^2/NDF : 514286.6/9

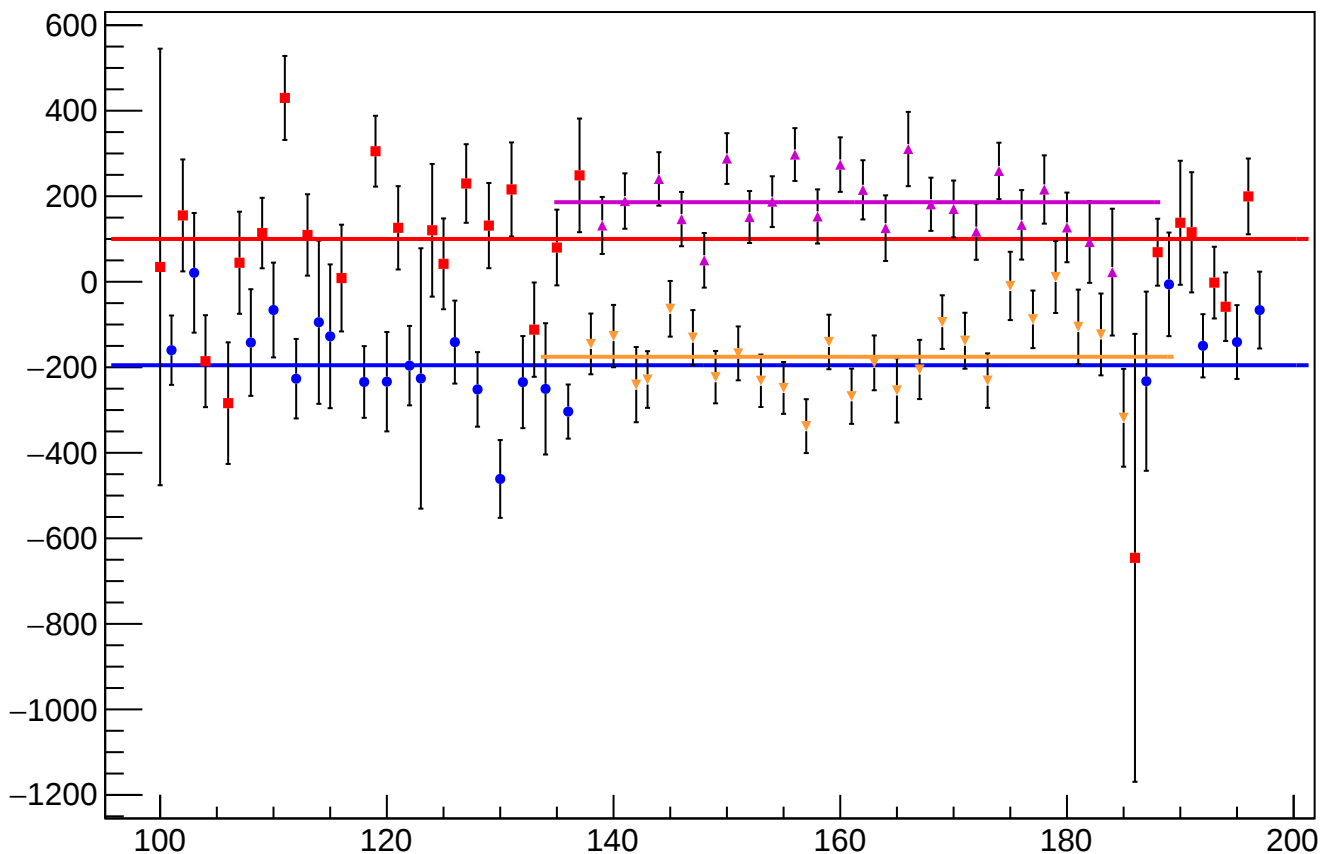
Left In: 308.727+/-0.053 χ^2/NDF :1002947.4/22

+ sign 316.496+/-0.051 χ^2/NDF : 4501994.9/33

All: 320.221+/-0.037 χ^2/NDF : 9906269.2/66

- sign 324.191+/-0.053 χ^2/NDF : 5393193.0/32

reg_asym_sam8_mean vs Slug



Right In: -195.204 ± 21.617 χ^2/NDF : 22.8/21

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 100.036 ± 20.699 χ^2/NDF : 50.3/25

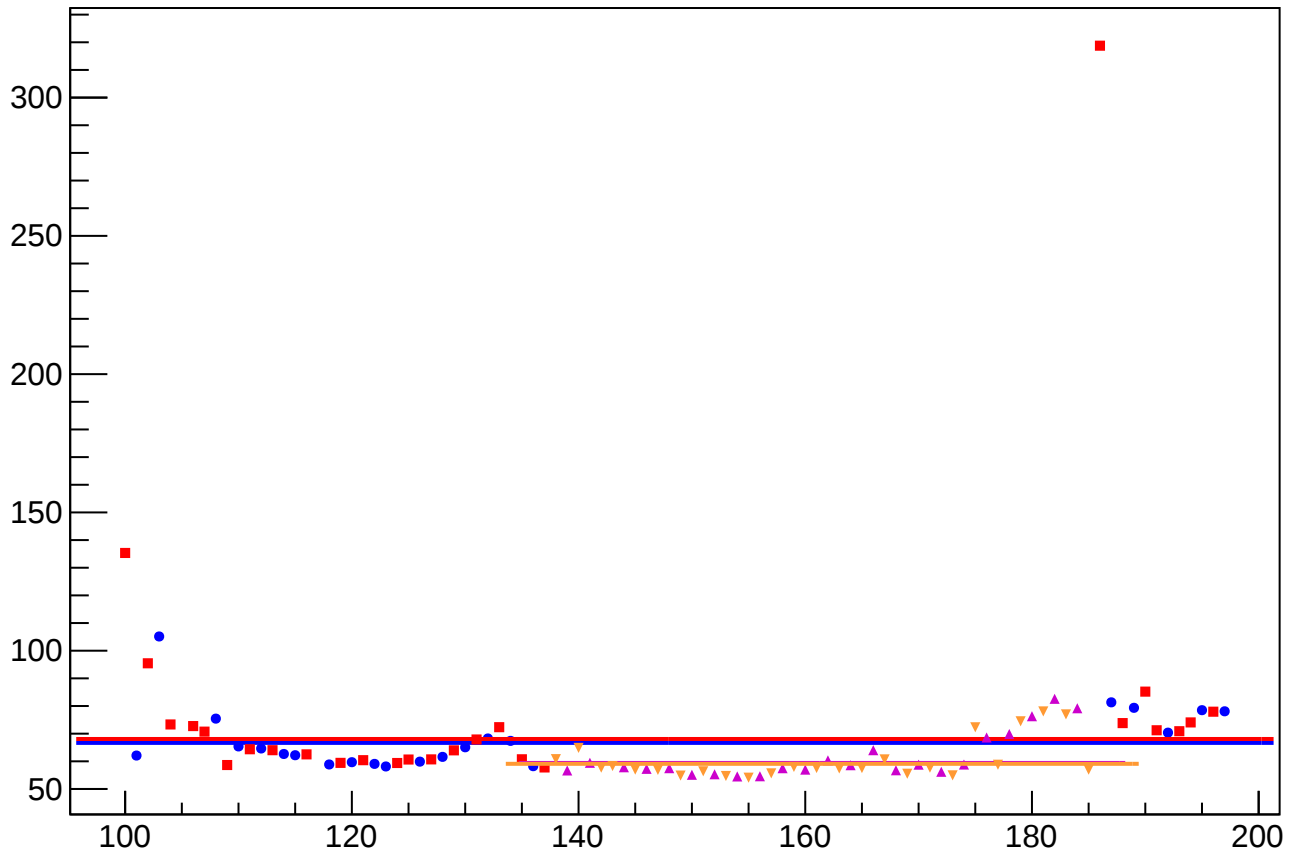
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -181.211 ± 11.659 χ^2/NDF : 58.0/46

All: -13.158 ± 8.285 χ^2/NDF : 563.1/95

- sign 158.219 ± 11.774 χ^2/NDF : 85.5/48

reg_asym_sam8_rms vs Slug



Right In: 66.665 ± 0.015 χ^2/NDF : 370249.6/21

Left Out: 59.099 ± 0.010 χ^2/NDF : 369788.6/24

Right Out: 68.080 ± 0.015 χ^2/NDF : 798084.9/25

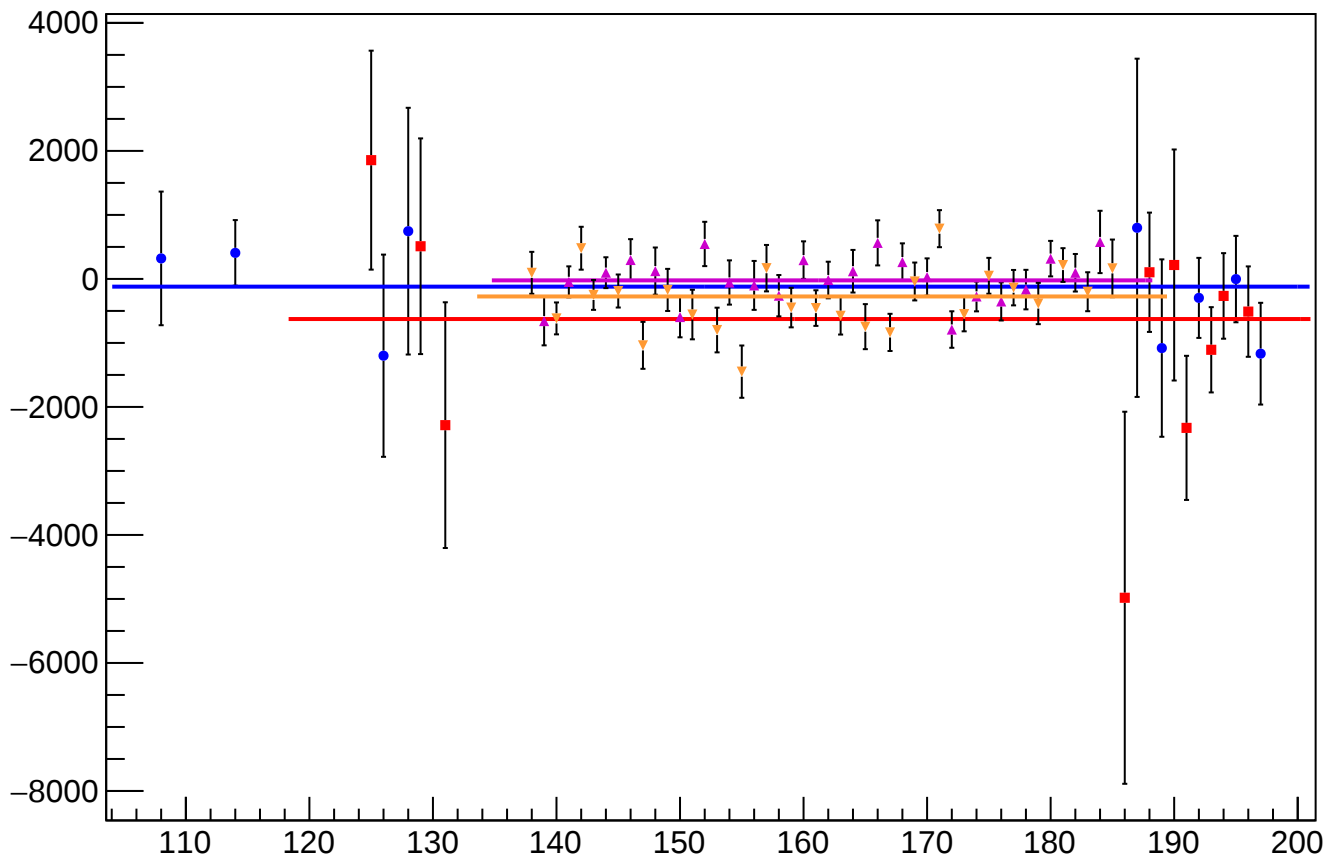
Left In: 59.410 ± 0.010 χ^2/NDF : 373052.7/22

+ sign 61.300 ± 0.008 χ^2/NDF : 913773.9/46

All: 61.753 ± 0.006 χ^2/NDF : 2328359.9/95

- sign 62.215 ± 0.008 χ^2/NDF : 1408485.5/48

asym_sam8_correction_mean vs Slug



Right In: -120.683+/-284.032 χ^2/NDF : 4.4/8

Left Out: -274.091+/-60.799 χ^2/NDF : 53.9/24

Right Out: -626.715+/-318.965 χ^2/NDF : 9.5/9

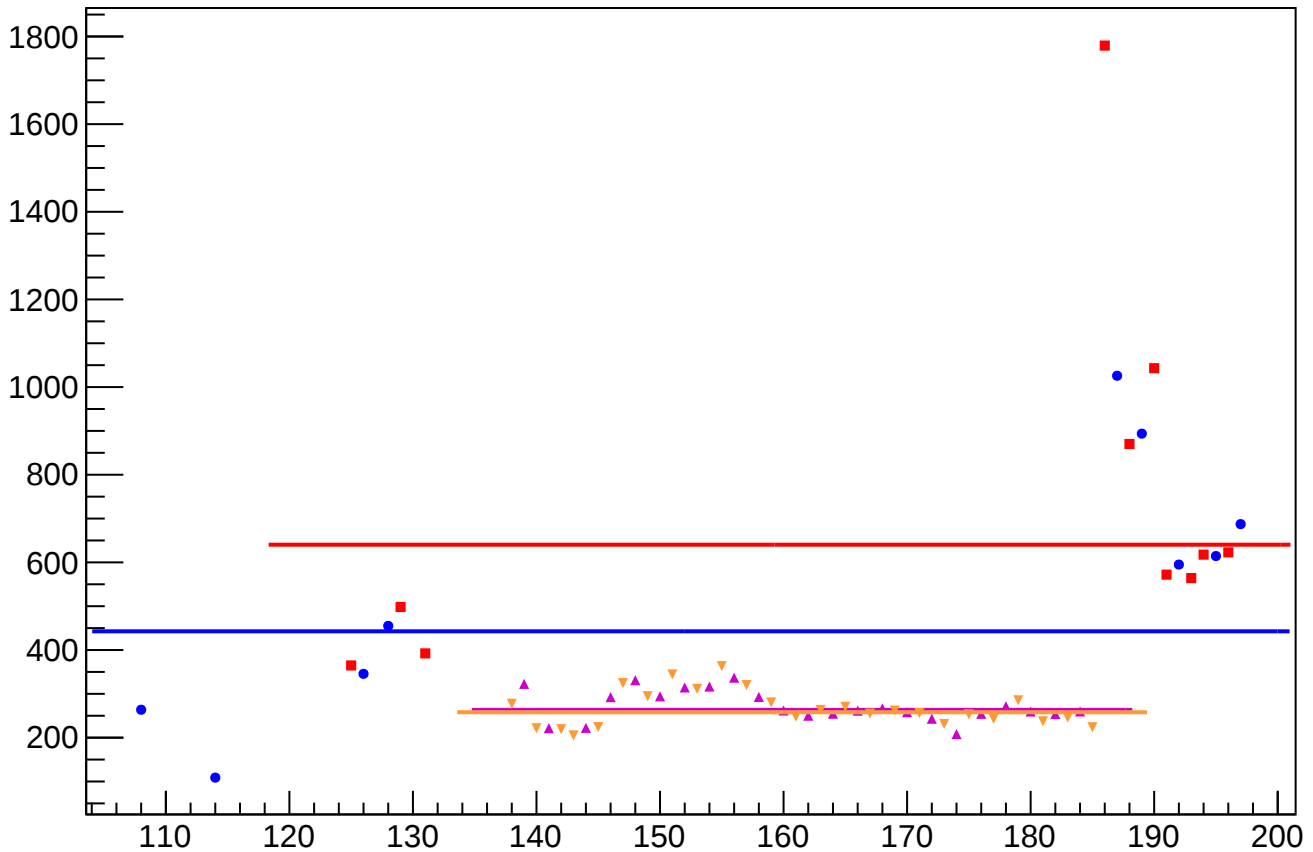
Left In: -22.631+/-63.643 χ^2/NDF : 28.9/22

+ sign -267.370+/-59.452 χ^2/NDF : 58.5/33

All: -161.945+/-43.048 χ^2/NDF : 107.0/66

- sign -45.760+/-62.413 χ^2/NDF : 41.9/32

asym_sam8_correction_rms vs Slug



Right In: 442.683 $\pm$ 0.201 χ^2 /NDF: 1662709.3/8

Left Out: 258.040 $\pm$ 0.043 χ^2 /NDF: 724823.3/24

Right Out: 640.326 $\pm$ 0.226 χ^2 /NDF: 664862.3/9

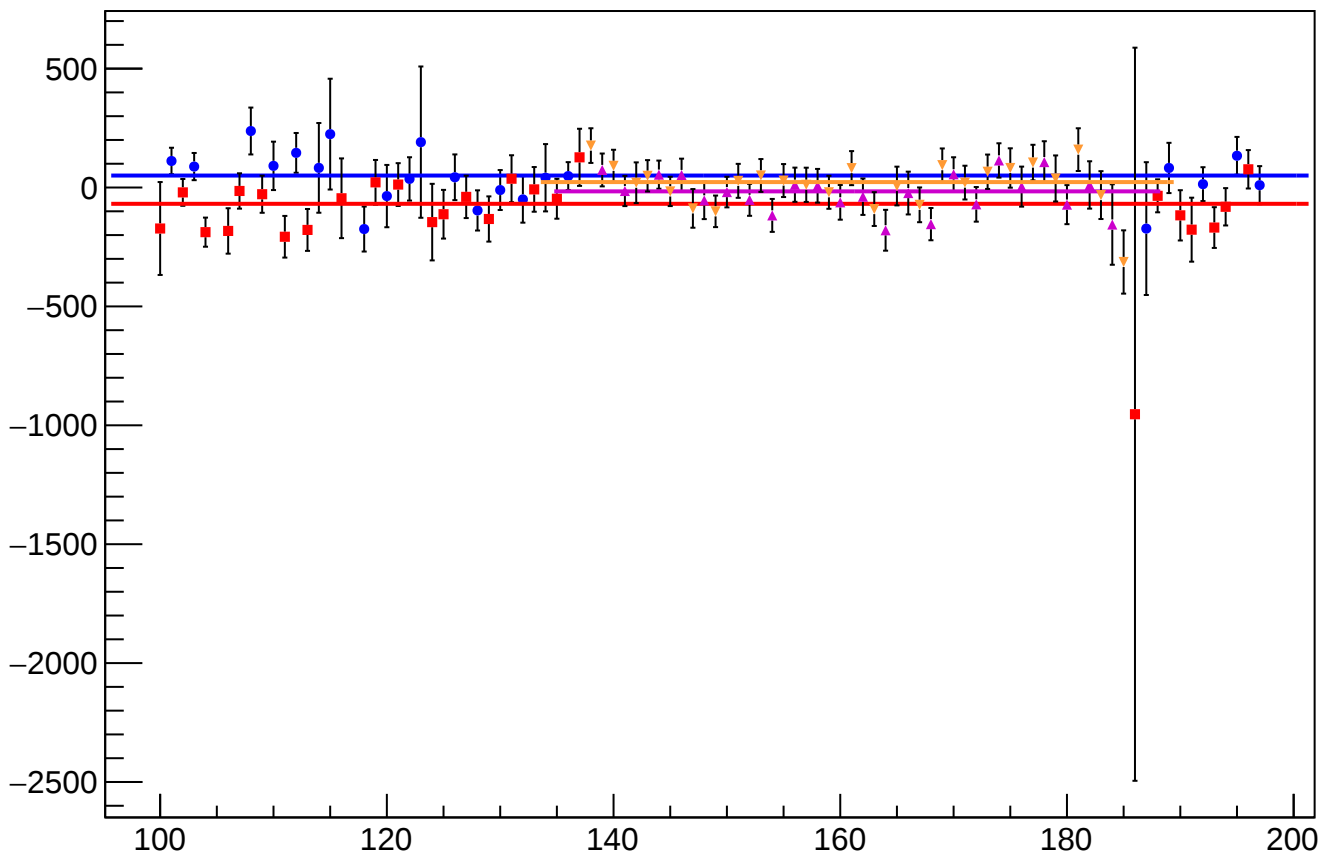
Left In: 263.397 $\pm$ 0.045 χ^2 /NDF: 585600.2/22

+ sign 266.130 $\pm$ 0.042 χ^2 /NDF: 3195703.2/33

All: 271.695 $\pm$ 0.030 χ^2 /NDF: 7169026.0/66

- sign 277.828 $\pm$ 0.044 χ^2 /NDF: 3936483.6/32

reg_asym_sam_15_avg_mean vs Slug



Right In: 50.356 ± 19.006 χ^2/NDF : 20.6/21

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -68.534 ± 17.687 χ^2/NDF : 24.1/25

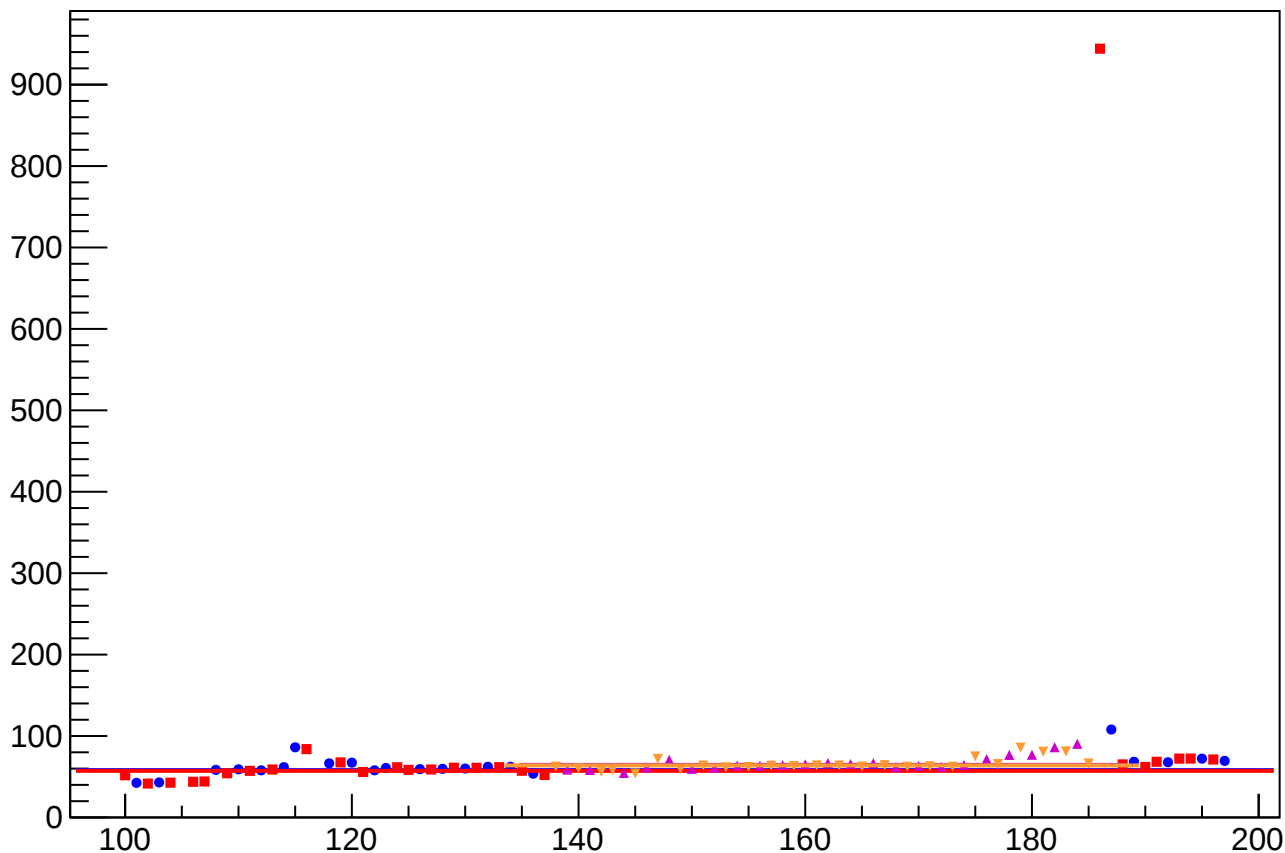
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 33.392 ± 11.759 χ^2/NDF : 50.8/46

All: -3.069 ± 8.283 χ^2/NDF : 122.3/95

- sign -38.982 ± 11.670 χ^2/NDF : 52.4/48

reg_asym_sam_15_avg_rms vs Slug



Right In: 58.116 $\pm$ 0.013 χ^2 /NDF: 594422.9/21

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 57.265 $\pm$ 0.013 χ^2 /NDF: 1366302.9/25

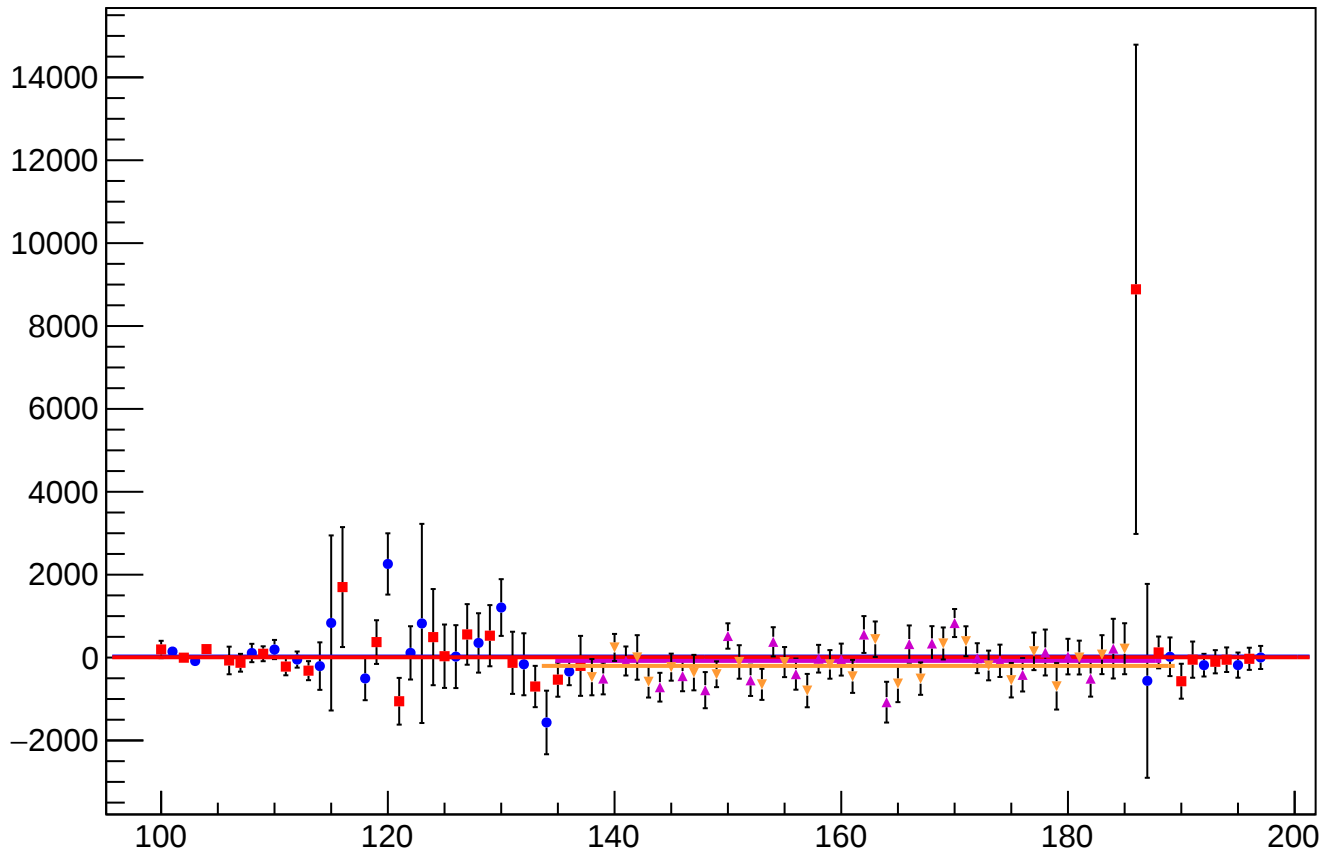
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.698 $\pm$ 0.008 χ^2 /NDF: 1104928.9/46

All: 61.526 $\pm$ 0.006 χ^2 /NDF: 3032136.3/95

- sign 61.356 $\pm$ 0.008 χ^2 /NDF: 1926354.5/48

asym_sam_15_avg_correction_mean vs Slug



Right In: 24.560 $\pm$ 48.910 χ^2 /NDF: 25.0/21

Left Out: -201.082 $\pm$ 79.549 χ^2 /NDF: 19.7/24

Right Out: 7.020 $\pm$ 49.508 χ^2 /NDF: 23.3/25

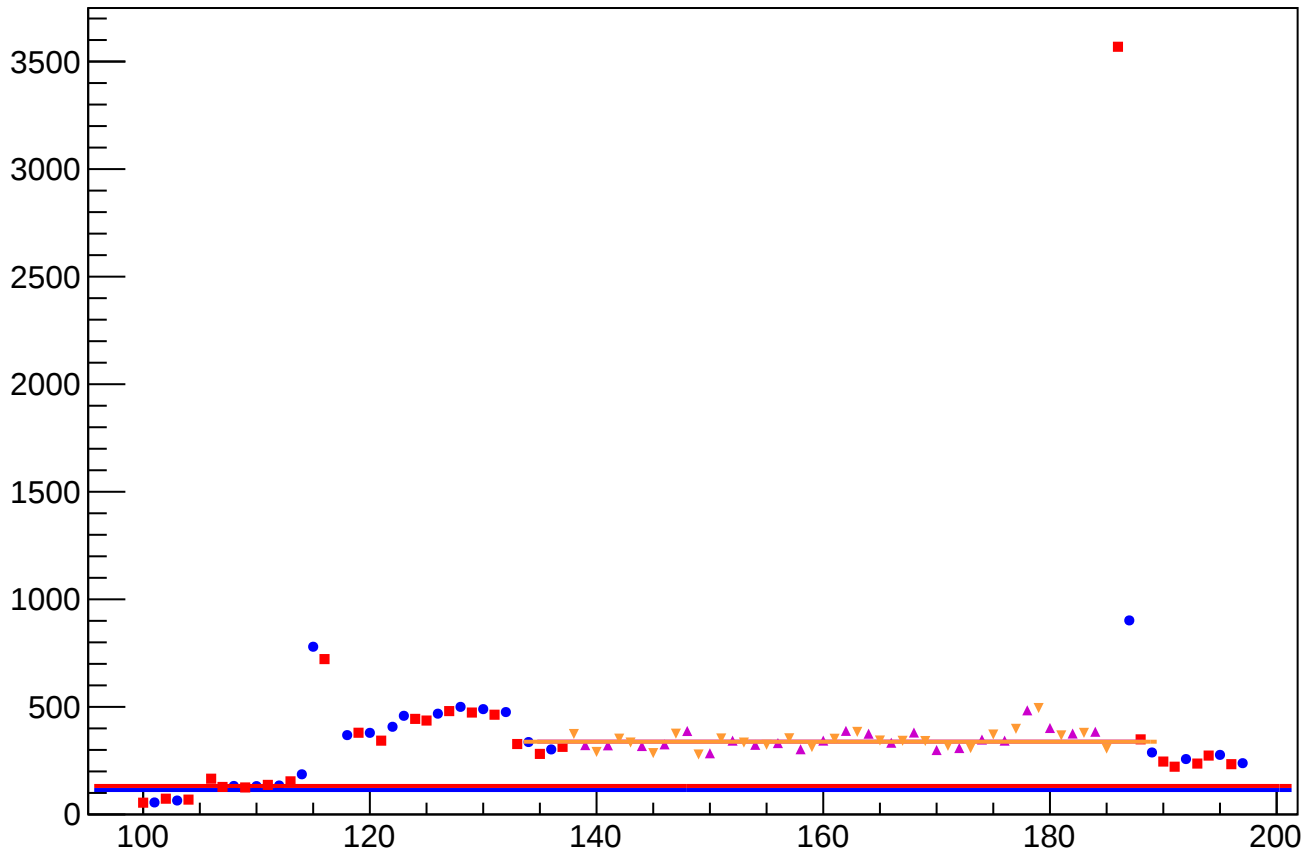
Left In: -79.985 $\pm$ 81.781 χ^2 /NDF: 33.4/22

+ sign -37.340 $\pm$ 41.664 χ^2 /NDF: 50.5/46

All: -26.998 $\pm$ 29.701 χ^2 /NDF: 108.2/95

- sign -16.313 $\pm$ 42.352 χ^2 /NDF: 57.6/48

asym_sam_15_avg_correction_rms vs Slug



Right In: 113.526 $\pm$ 0.035 χ^2 /NDF: 8051460.9/21

Left Out: 338.130 $\pm$ 0.056 χ^2 /NDF: 498601.7/24

Right Out: 132.484 $\pm$ 0.035 χ^2 /NDF: 7857711.5/25

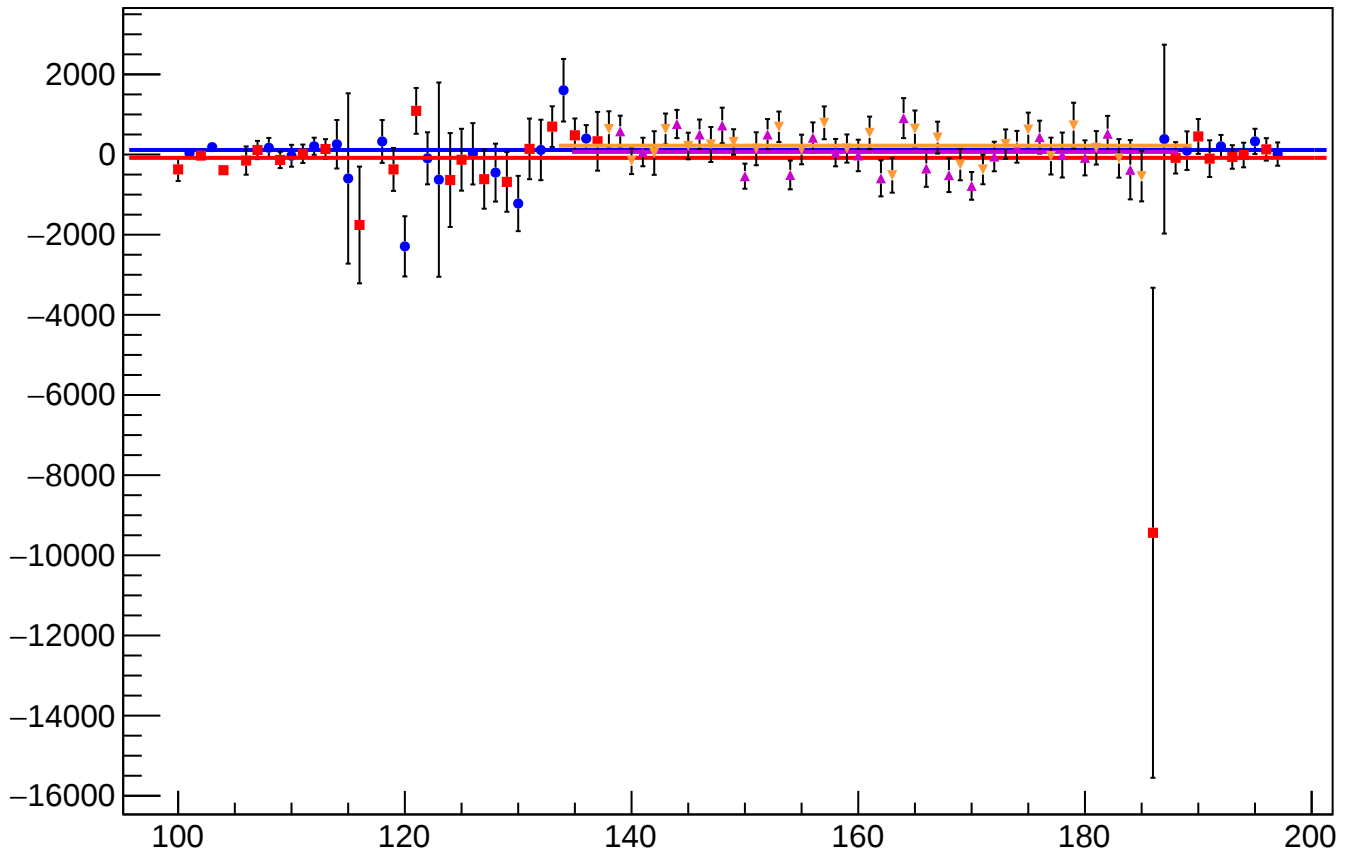
Left In: 338.564 $\pm$ 0.058 χ^2 /NDF: 437243.0/22

+ sign 175.141 $\pm$ 0.029 χ^2 /NDF: 20120226.2/46

All: 181.343 $\pm$ 0.021 χ^2 /NDF: 37799164.1/95

- sign 187.752 $\pm$ 0.030 χ^2 /NDF: 17588815.5/48

asym_sam_15_avg_mean vs Slug



Right In: 113.951 $\pm$ 58.788 χ^2 /NDF: 21.7/21

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: -82.749 $\pm$ 55.783 χ^2 /NDF: 25.9/25

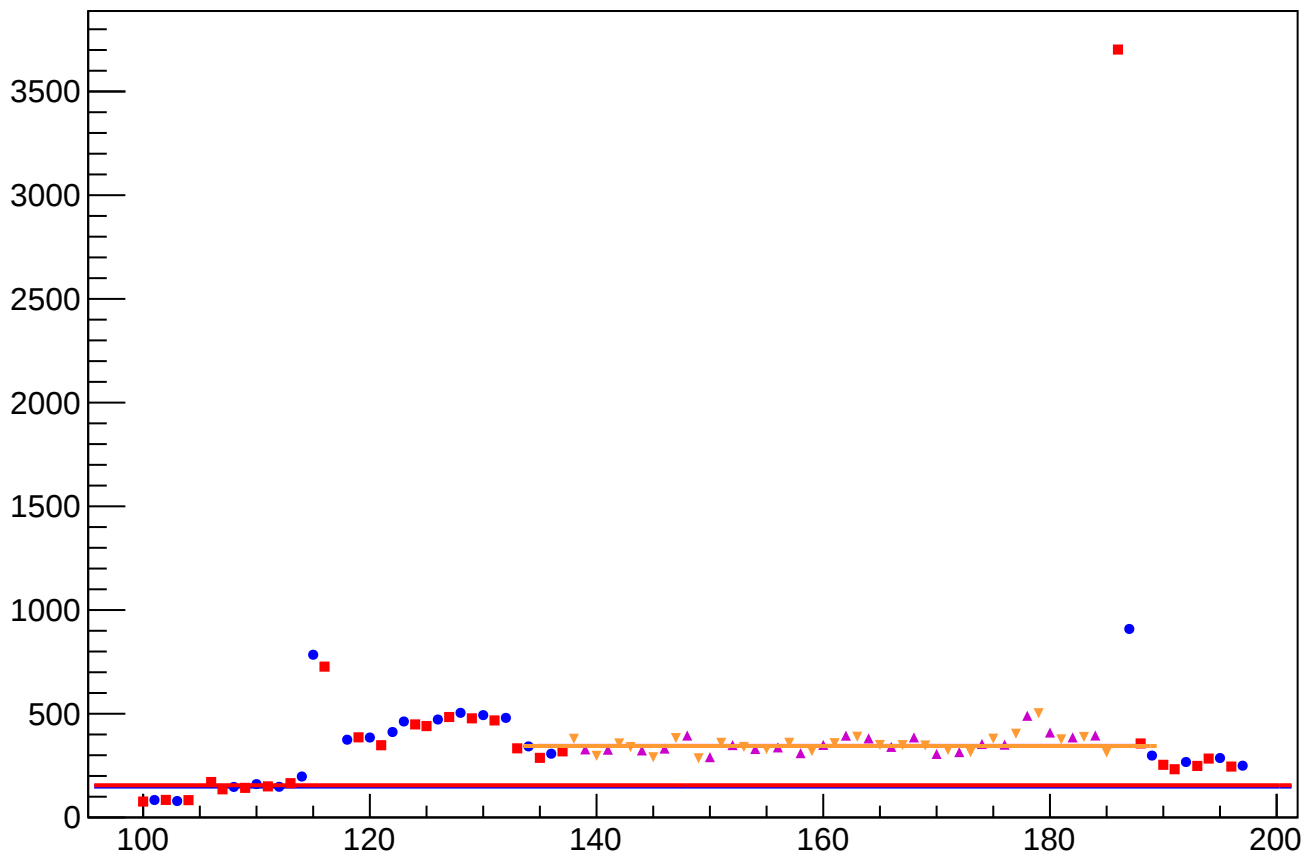
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 150.902 $\pm$ 47.582 χ^2 /NDF: 42.6/46

All: 54.565 $\pm$ 33.202 χ^2 /NDF: 112.6/95

- sign -36.861 $\pm$ 46.353 χ^2 /NDF: 62.0/48

asym_sam_15_avg_rms vs Slug



Right In: 148.719 $\pm$ 0.042 χ^2 /NDF: 6321898.0/21

Left Out: 344.506 $\pm$ 0.057 χ^2 /NDF: 488323.4/24

Right Out: 155.260 $\pm$ 0.039 χ^2 /NDF: 6727497.4/25

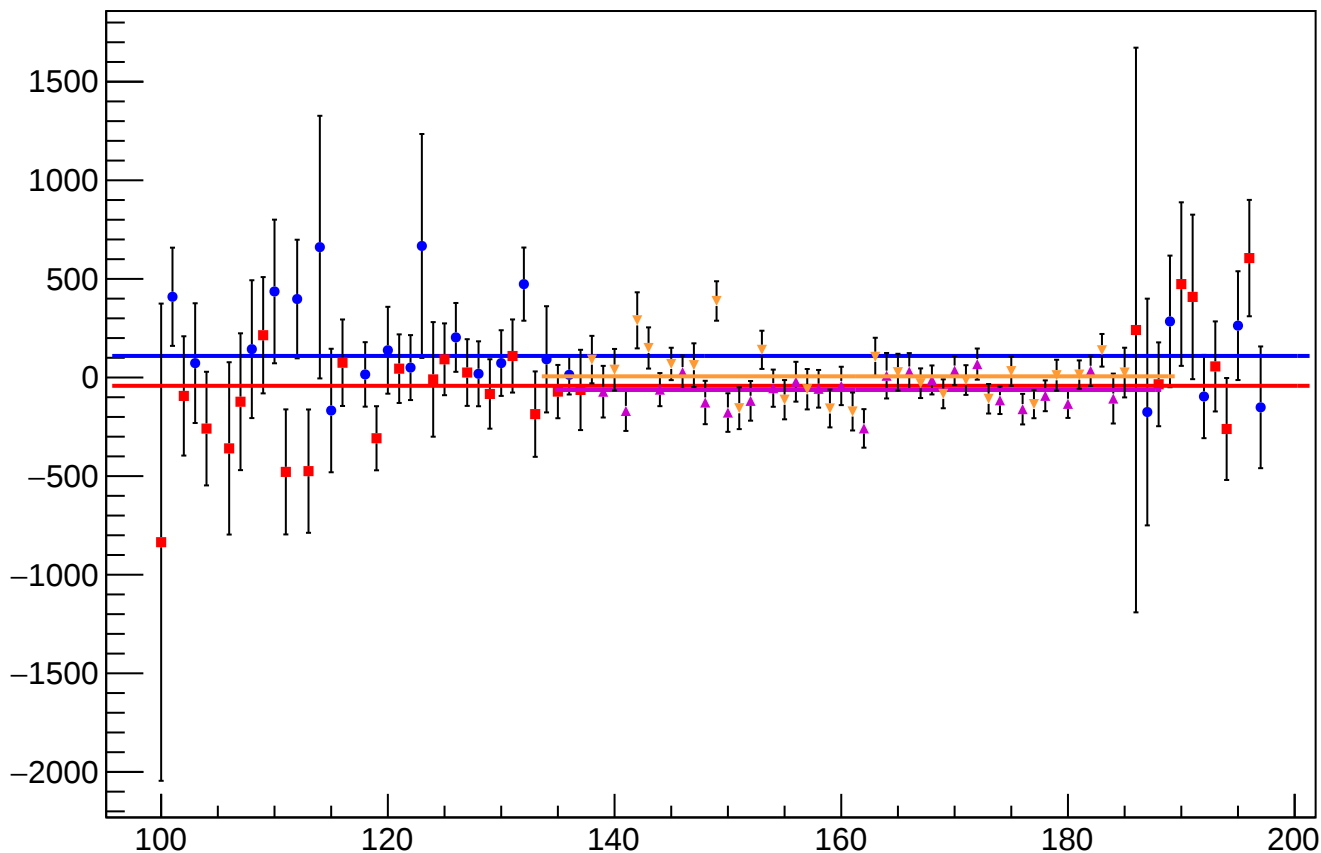
Left In: 345.039 $\pm$ 0.059 χ^2 /NDF: 427381.3/22

+ sign 216.249 $\pm$ 0.034 χ^2 /NDF: 14461338.0/46

All: 215.094 $\pm$ 0.023 χ^2 /NDF: 28783190.8/95

- sign 213.999 $\pm$ 0.033 χ^2 /NDF: 14319557.4/48

reg_asym_sam_26_avg_mean vs Slug



Right In: 109.396 $\pm$ 46.068 χ^2 /NDF: 14.0/21

Left Out: 6.020 $\pm$ 17.910 χ^2 /NDF:46.0/24

Right Out: -42.104 $\pm$ 45.691 χ^2 /NDF: 19.8/25

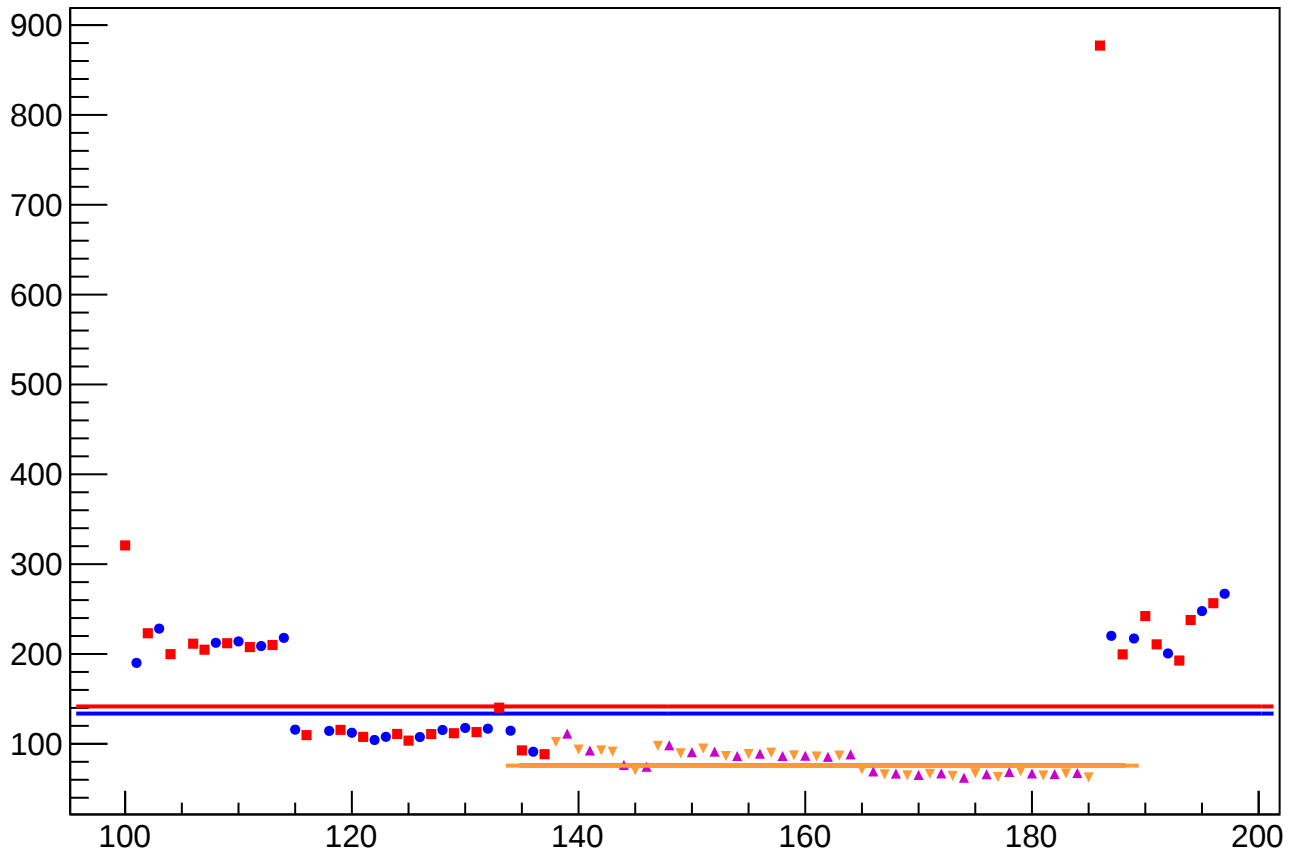
Left In: -63.279 $\pm$ 18.447 χ^2 /NDF:19.8/22

+ sign 19.593 $\pm$ 16.693 χ^2 /NDF: 64.4/46

All: -19.385 $\pm$ 11.947 χ^2 /NDF: 115.4/95

- sign -60.311 $\pm$ 17.105 χ^2 /NDF: 39.8/48

reg_asym_sam_26_avg_rms vs Slug



Right In: 133.681 ± 0.033 χ^2/NDF : 2336529.7/21

Left Out: 75.743 ± 0.013 χ^2/NDF : 937821.8/24

Right Out: 141.610 ± 0.032 χ^2/NDF : 3062692.4/25

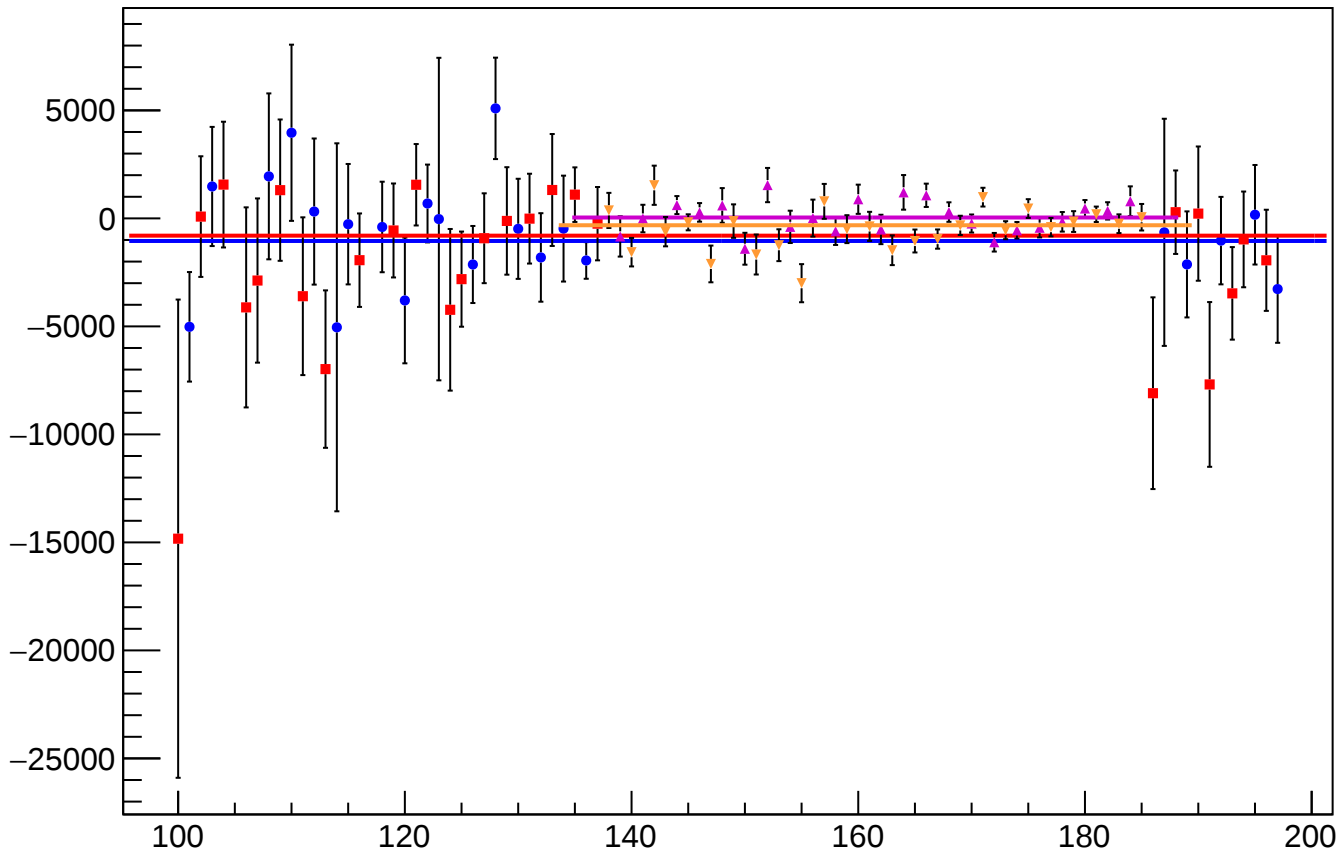
Left In: 75.909 ± 0.013 χ^2/NDF : 831366.4/22

+ sign 83.350 ± 0.012 χ^2/NDF : 6022450.3/46

All: 84.212 ± 0.008 χ^2/NDF : 13483214.5/95

- sign 85.117 ± 0.012 χ^2/NDF : 7449826.5/48

asym_sam_26_avg_correction_mean vs Slug



Right In: -1045.677 ± 466.782 χ^2/NDF : 17.7/21

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -799.706 ± 474.599 χ^2/NDF : 22.0/25

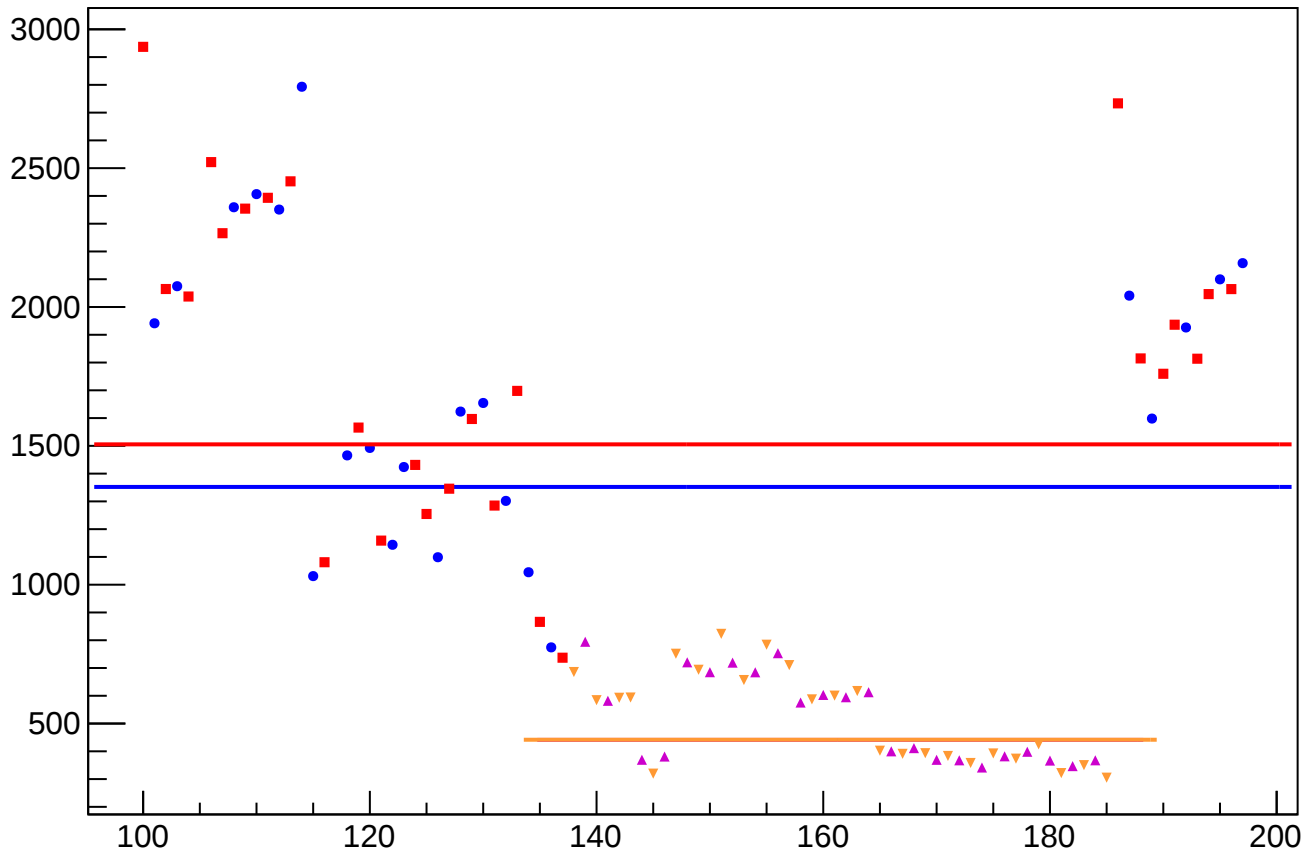
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -355.045 ± 105.233 χ^2/NDF : 70.0/46

All: -182.376 ± 75.163 χ^2/NDF : 135.2/95

- sign -2.547 ± 107.393 χ^2/NDF : 59.7/48

asym_sam_26_avg_correction_rms vs Slug



Right In: 1352.066+/-0.330 χ^2/NDF : 2509628.8/21

Left Out: 441.685+/-0.076 χ^2/NDF : 3169140.9/24

Right Out: 1505.378+/-0.336 χ^2/NDF : 2405763.9/25

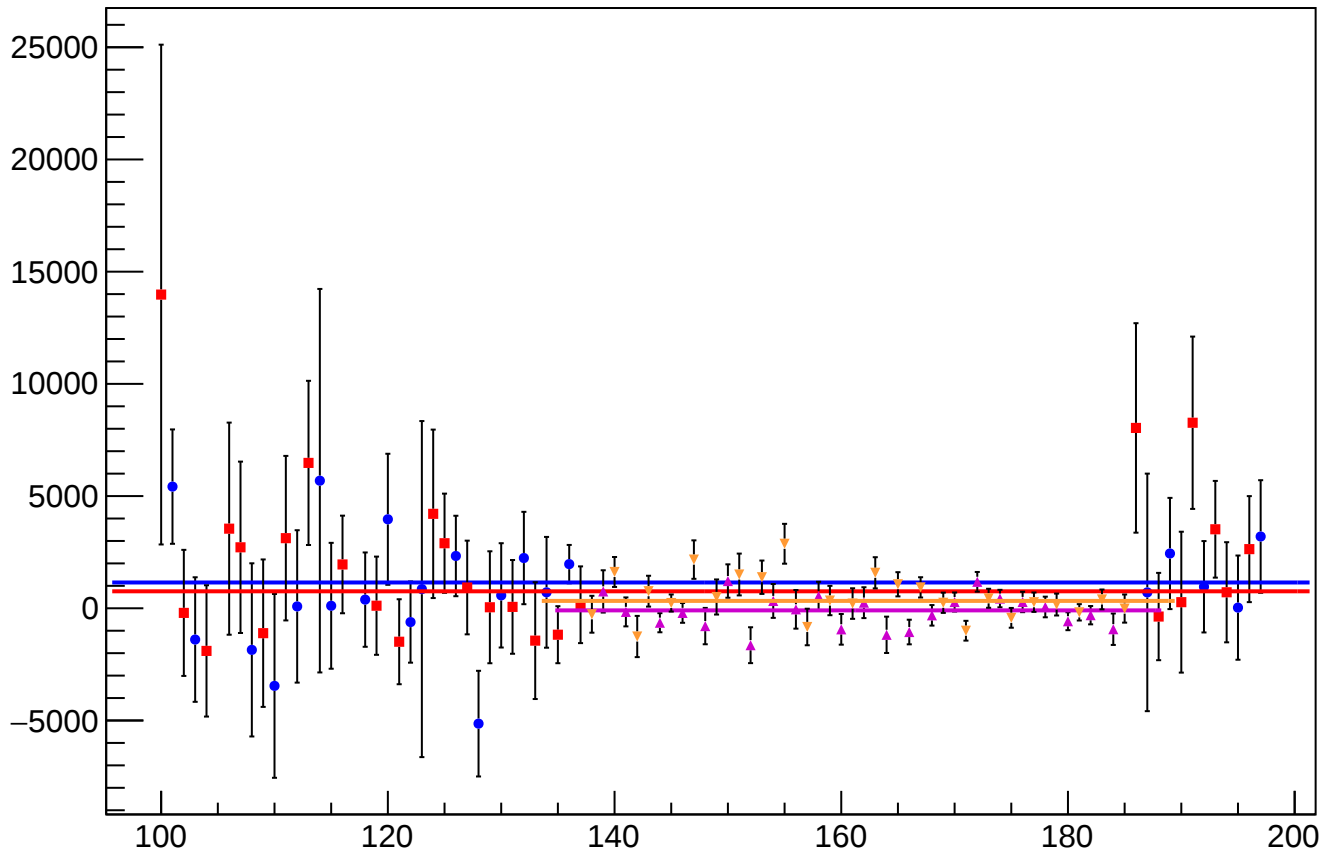
Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

+ sign 487.954+/-0.074 χ^2/NDF : 12899716.8/46

All: 491.654+/-0.053 χ^2/NDF : 27451621.9/95

- sign 495.507+/-0.076 χ^2/NDF : 14546858.1/48

asym_sam_26_avg_mean vs Slug



Right In: 1149.857 ± 469.585 χ^2/NDF : 18.1/21

Left Out: 328.599 ± 109.668 χ^2/NDF : 47.7/24

Right Out: 756.352 ± 477.537 χ^2/NDF : 22.0/25

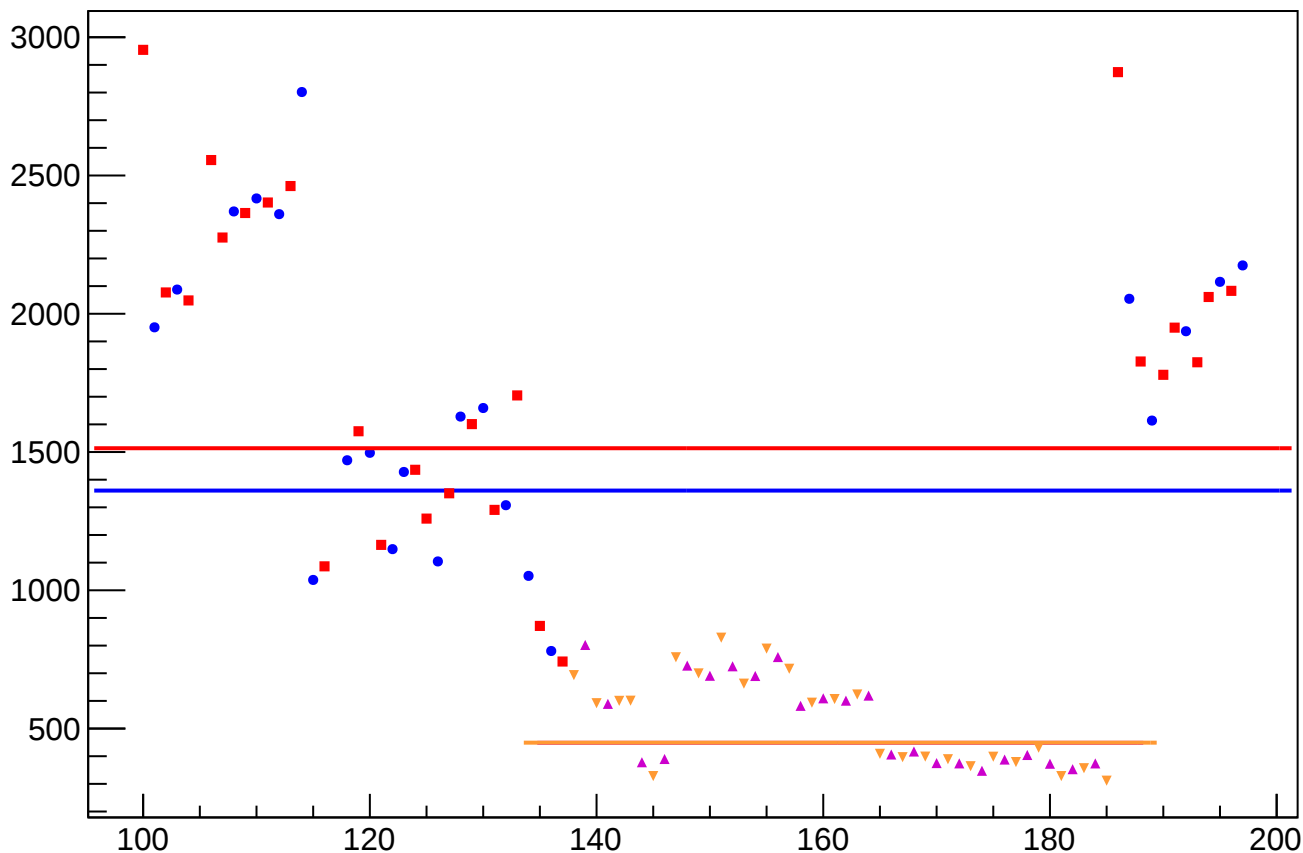
Left In: -93.310 ± 111.960 χ^2/NDF : 33.3/22

+ sign 371.075 ± 106.794 χ^2/NDF : 68.7/46

All: 165.319 ± 76.284 χ^2/NDF : 134.6/95

- sign -49.040 ± 109.004 χ^2/NDF : 58.3/48

asym_sam_26_avg_rms vs Slug



Right In: 1360.614+/-0.332 χ^2/NDF : 2499474.8/21

Left Out: 449.016+/-0.078 χ^2/NDF : 3090476.2/24

Right Out: 1513.734+/-0.338 χ^2/NDF : 2424381.7/25

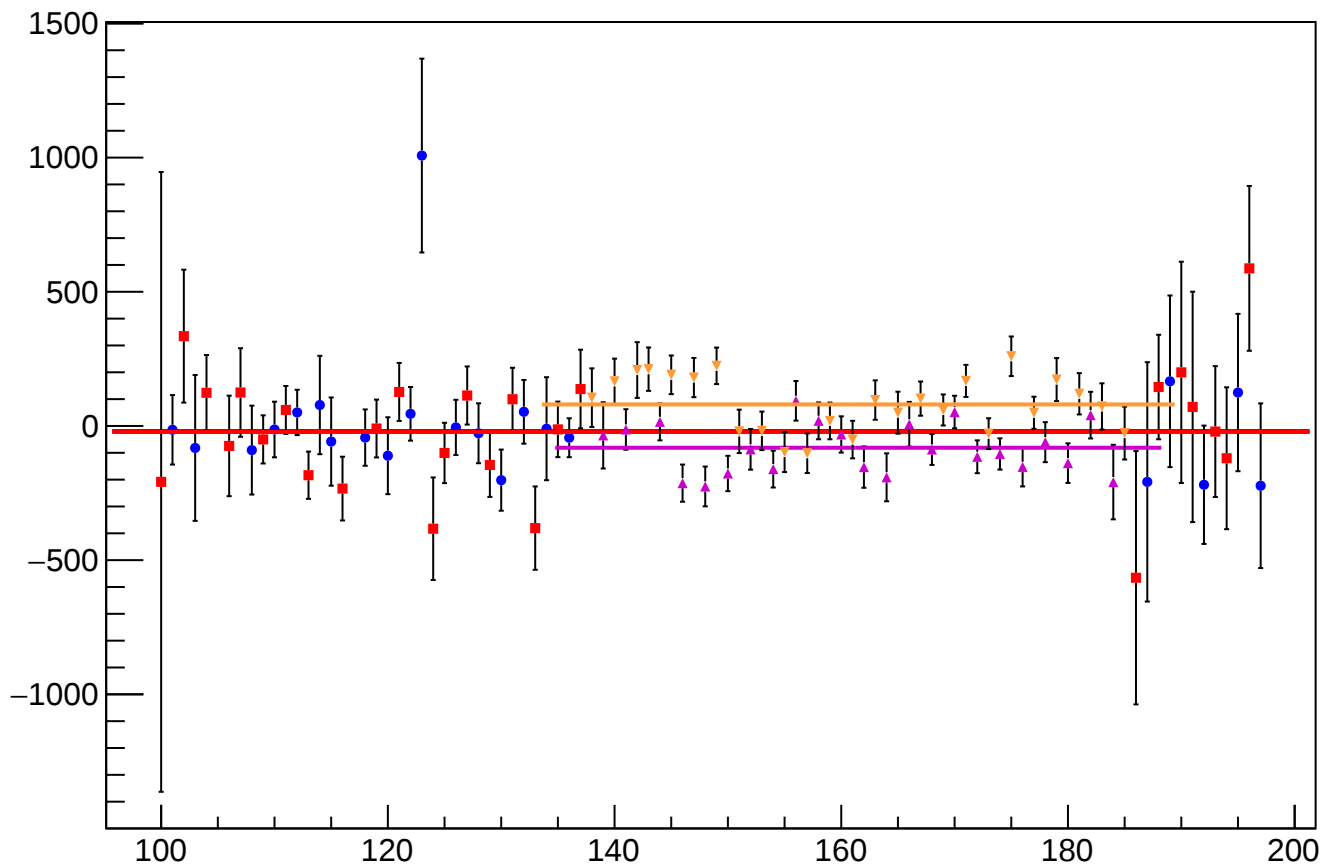
Left In: 448.307+/-0.079 χ^2/NDF : 2537376.0/22

+ sign 496.165+/-0.076 χ^2/NDF : 12737280.4/46

All: 499.914+/-0.054 χ^2/NDF : 27140880.1/95

- sign 503.820+/-0.077 χ^2/NDF : 14398567.4/48

reg_asym_sam_37_avg_mean vs Slug



Right In: -19.321 ± 28.234 $\chi^2/\text{NDF}: 15.3/21$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -22.295 ± 27.167 $\chi^2/\text{NDF}: 34.2/25$

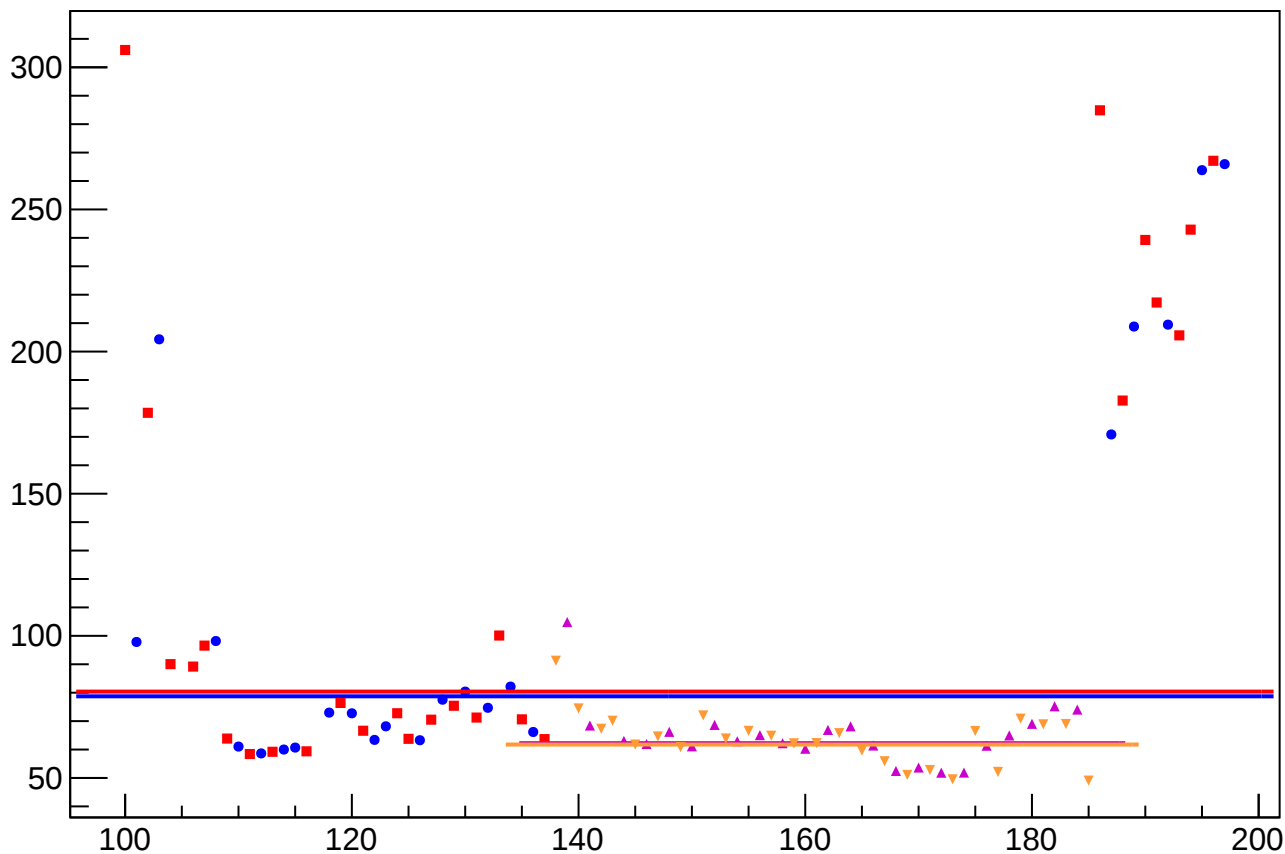
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 59.198 ± 12.963 $\chi^2/\text{NDF}: 73.7/46$

All: -2.876 ± 9.250 $\chi^2/\text{NDF}: 193.5/95$

- sign -67.256 ± 13.202 $\chi^2/\text{NDF}: 73.1/48$

reg_asym_sam_37_avg_rms vs Slug



Right In: 78.725 $\pm$ 0.020 χ^2 /NDF: 3542803.4/21

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 80.387 $\pm$ 0.019 χ^2 /NDF: 4433706.6/25

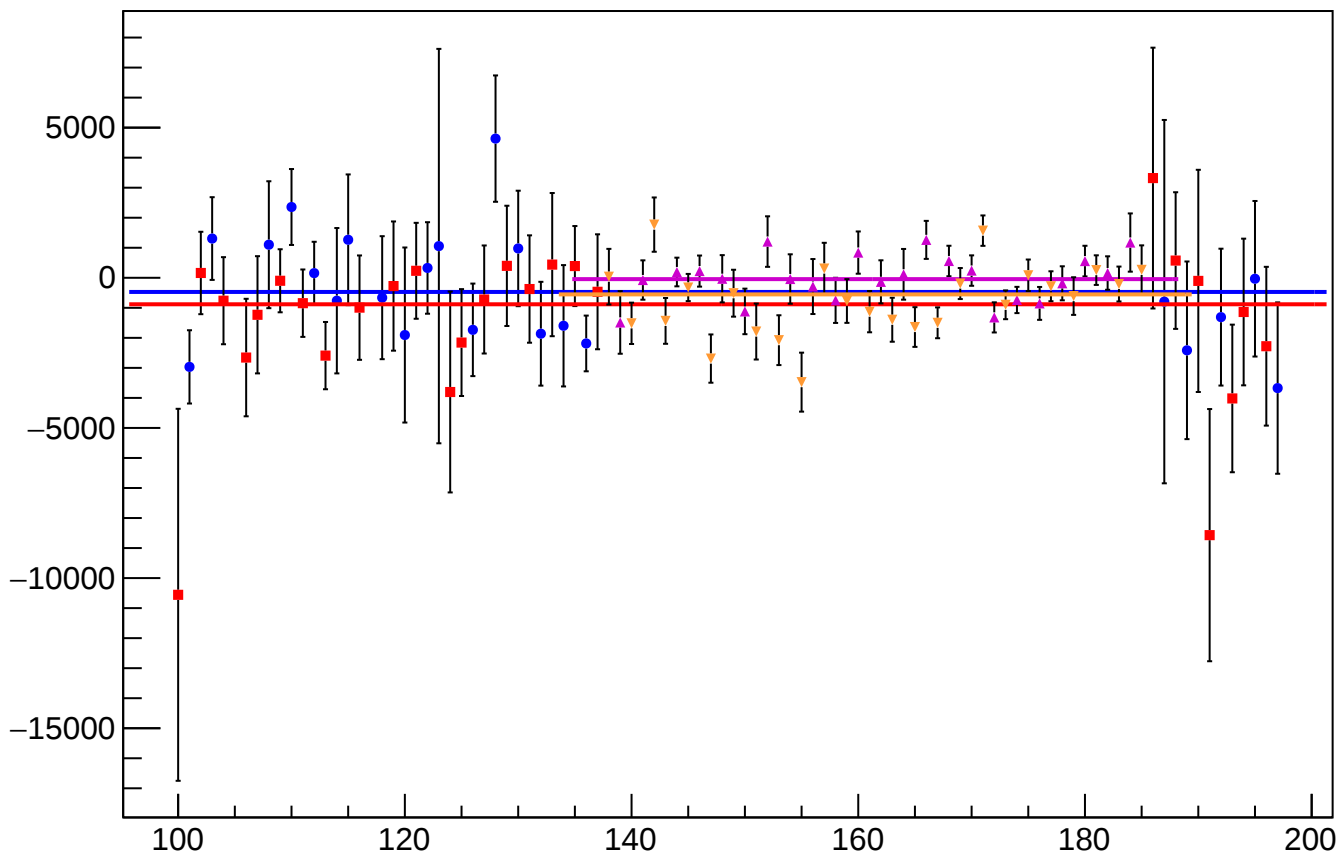
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 65.337 $\pm$ 0.009 χ^2 /NDF: 4758144.5/46

All: 65.924 $\pm$ 0.007 χ^2 /NDF: 10472153.2/95

- sign 66.533 $\pm$ 0.009 χ^2 /NDF: 5705655.3/48

asym_sam_37_avg_correction_mean vs Slug



Right In: -471.375 $\pm$ 367.011 χ^2/NDF : 26.4/21

Left Out: -552.511 $\pm$ 126.981 χ^2/NDF : 65.3/24

Right Out: -882.201 $\pm$ 350.601 χ^2/NDF : 17.0/25

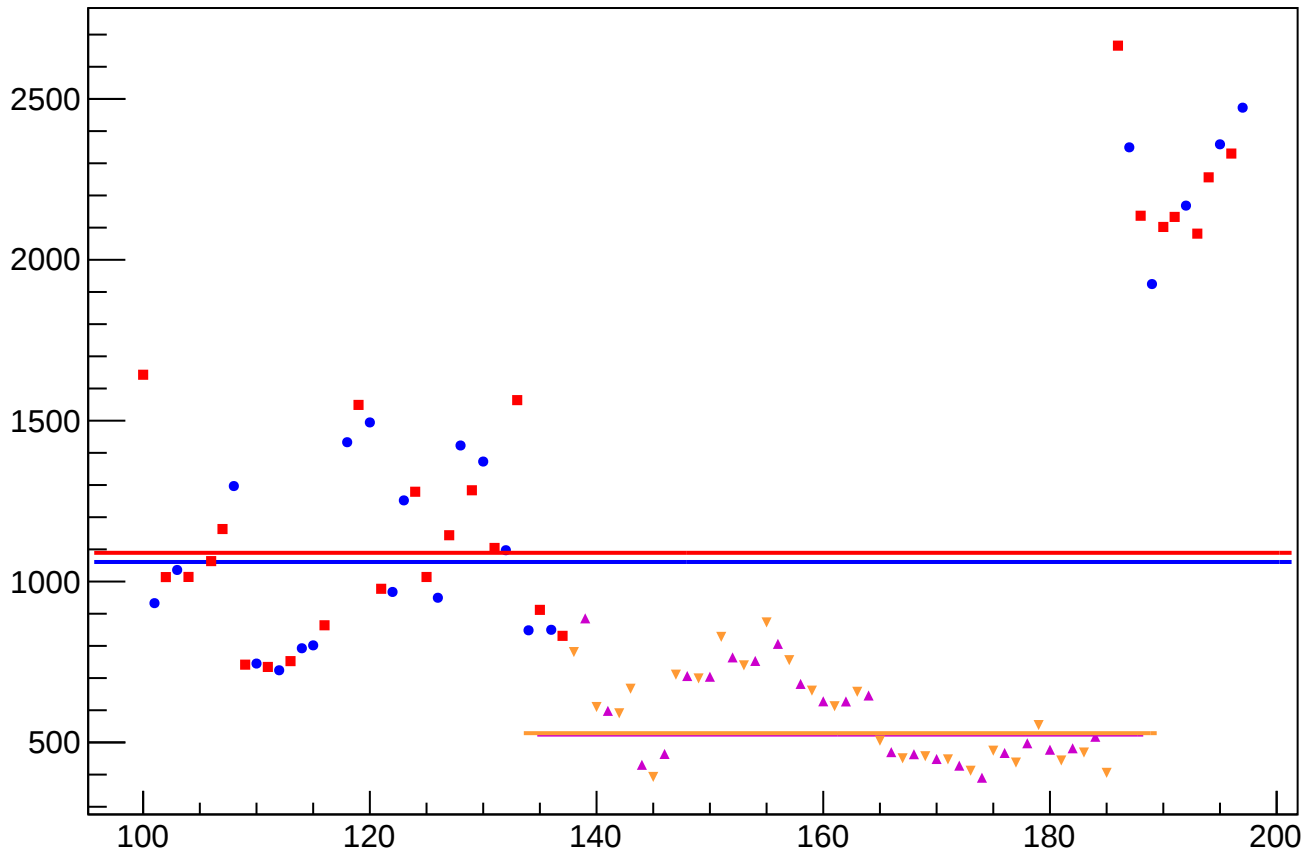
Left In: -44.578 $\pm$ 129.095 χ^2/NDF : 29.6/22

+ sign -543.836 $\pm$ 120.001 χ^2/NDF : 91.7/46

All: -346.100 $\pm$ 85.255 χ^2/NDF : 148.8/95

- sign -144.583 $\pm$ 121.143 χ^2/NDF : 51.6/48

asym_sam_37_avg_correction_rms vs Slug



Right In: 1060.808 $\pm$ 0.260 χ^2 /NDF: 2527530.5/21

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF:1983697.7/24

Right Out: 1089.311 $\pm$ 0.248 χ^2 /NDF: 3131260.8/25

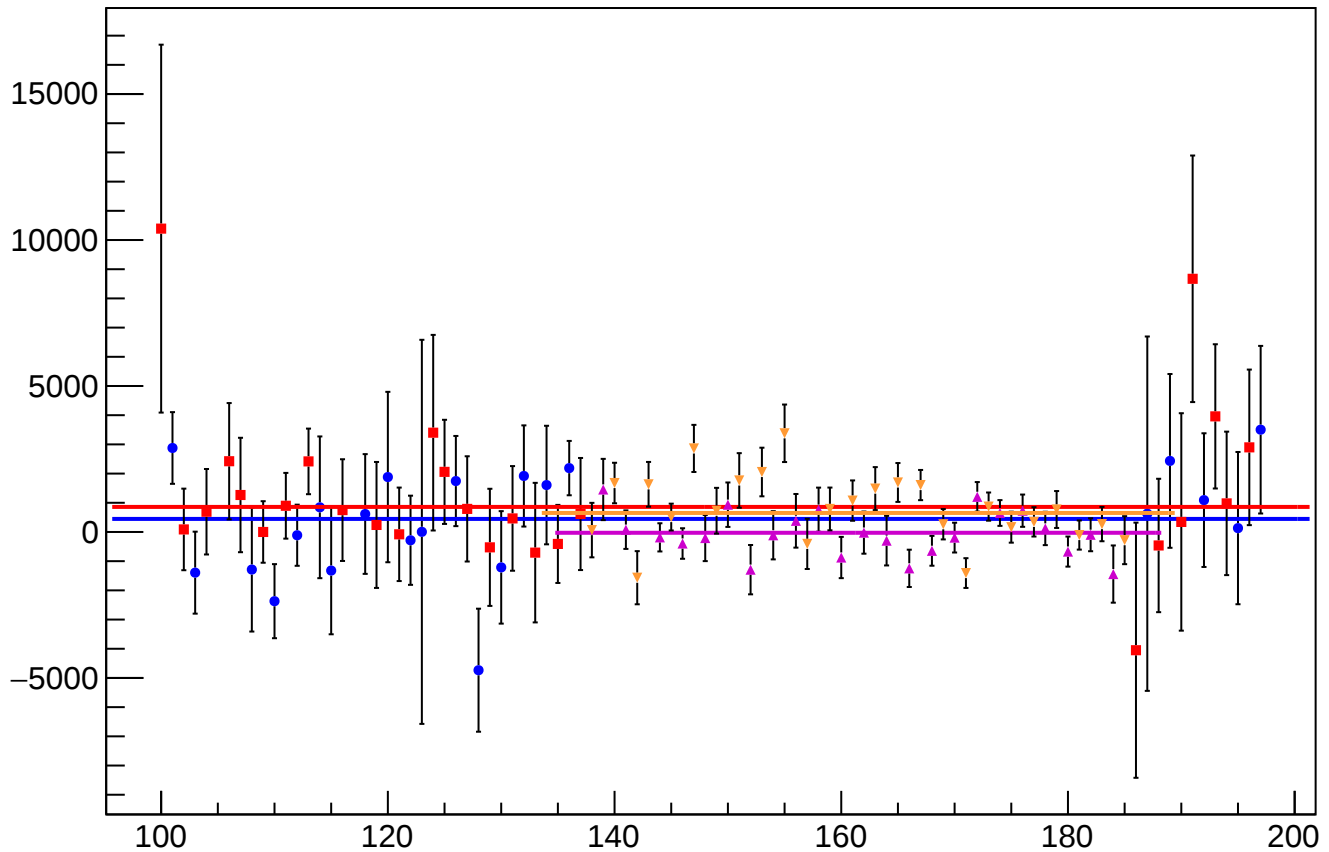
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF:1716257.3/22

+ sign 585.619 $\pm$ 0.085 χ^2 /NDF: 8265356.3/46

All: 588.645 $\pm$ 0.060 χ^2 /NDF: 17690003.1/95

- sign 591.729 $\pm$ 0.086 χ^2 /NDF: 9422078.9/48

asym_sam_37_avg_mean vs Slug



Right In: 447.306 ± 368.712 χ^2/NDF : 26.4/21

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 858.436 ± 352.399 χ^2/NDF : 16.4/25

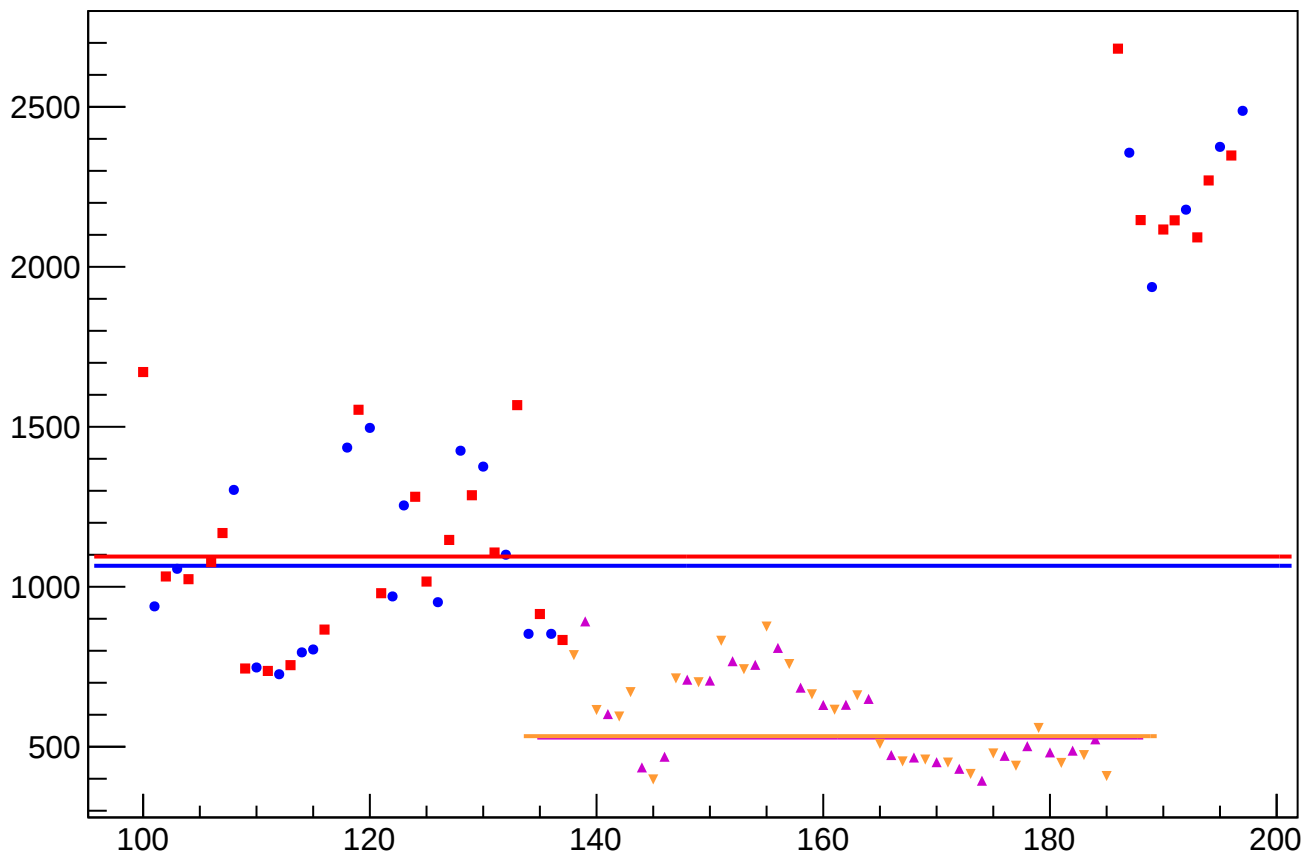
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 629.603 ± 120.888 χ^2/NDF : 87.8/46

All: 356.892 ± 85.896 χ^2/NDF : 148.5/95

- sign 78.819 ± 122.070 χ^2/NDF : 50.4/48

asym_sam_37_avg_rms vs Slug



Right In: 1065.622 $\pm$ 0.261 χ^2 /NDF: 2531128.2/21

Left Out: 533.060 $\pm$ 0.090 χ^2 /NDF:1951536.4/24

Right Out: 1094.485 $\pm$ 0.249 χ^2 /NDF: 3138766.3/25

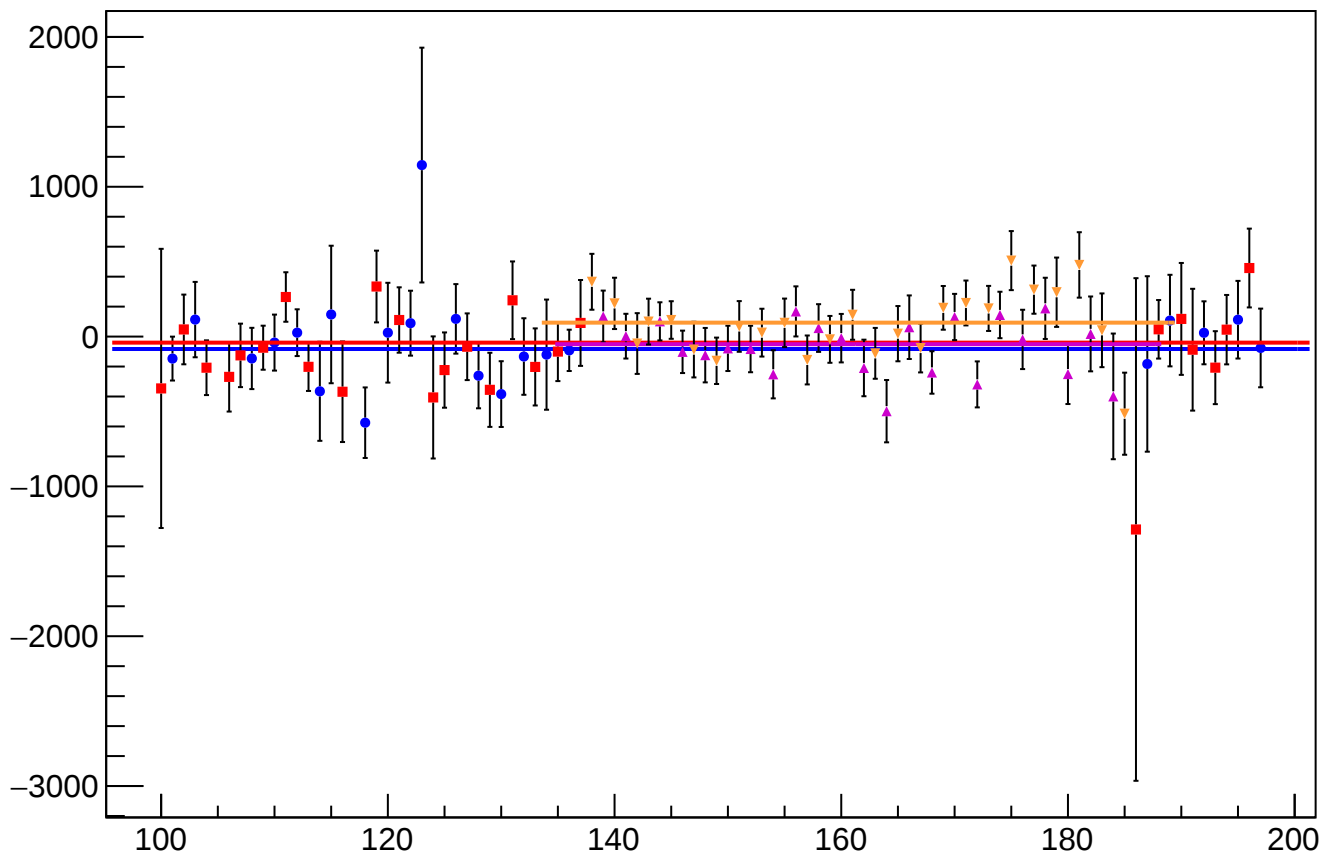
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF:1688511.2/22

+ sign 590.308 $\pm$ 0.085 χ^2 /NDF: 8206631.8/46

All: 593.416 $\pm$ 0.061 χ^2 /NDF: 17573482.0/95

- sign 596.584 $\pm$ 0.086 χ^2 /NDF: 9364181.4/48

reg_asym_sam_48_avg_mean vs Slug



Right In: -82.933 ± 48.716 χ^2/NDF : 14.6/21

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: -40.434 ± 45.865 χ^2/NDF : 20.6/25

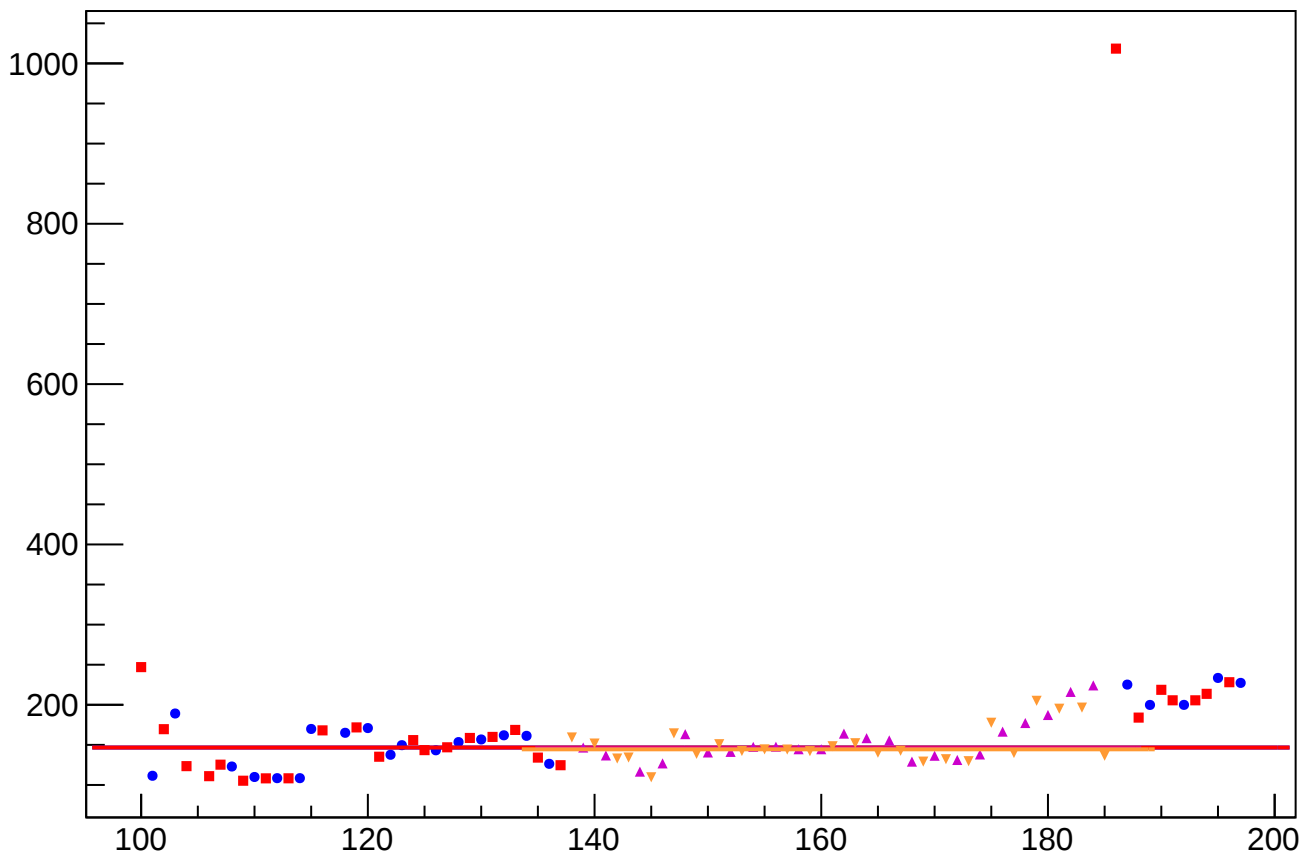
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 35.246 ± 27.911 χ^2/NDF : 52.8/46

All: -5.802 ± 19.755 χ^2/NDF : 101.2/95

- sign -47.007 ± 27.964 χ^2/NDF : 44.1/48

reg_asym_sam_48_avg_rms vs Slug



Right In: 146.680 $\pm$ 0.034 χ^2 /NDF: 1152760.5/21

Left Out: 144.475 $\pm$ 0.024 χ^2 /NDF: 670488.7/24

Right Out: 146.705 $\pm$ 0.032 χ^2 /NDF: 1810367.9/25

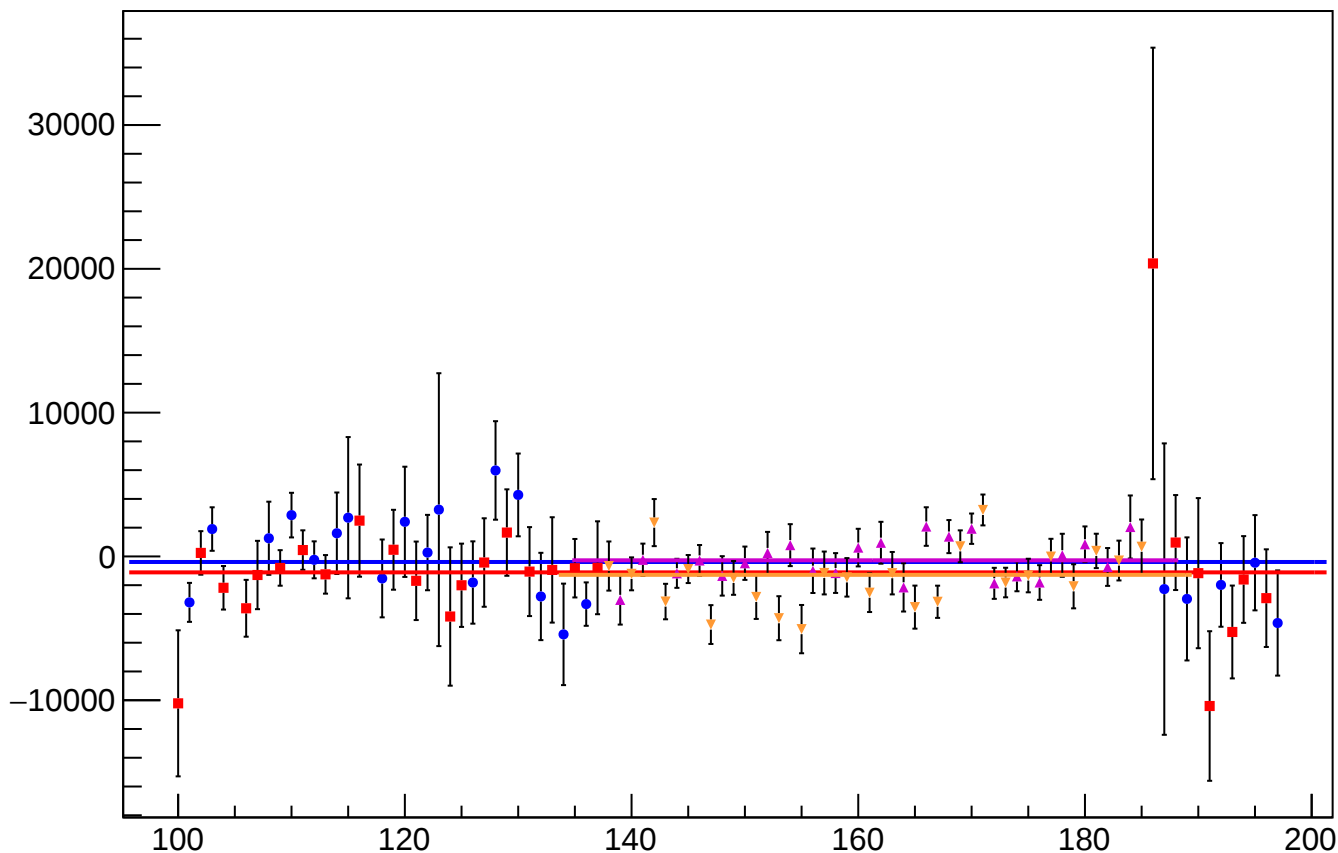
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 145.199 $\pm$ 0.020 χ^2 /NDF: 1826001.2/46

All: 145.584 $\pm$ 0.014 χ^2 /NDF: 4281477.8/95

- sign 145.970 $\pm$ 0.020 χ^2 /NDF: 2454715.4/48

asym_sam_48_avg_correction_mean vs Slug



Right In: -386.072 ± 501.371 χ^2/NDF : 27.9/21

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -1108.620 ± 457.656 χ^2/NDF : 17.7/25

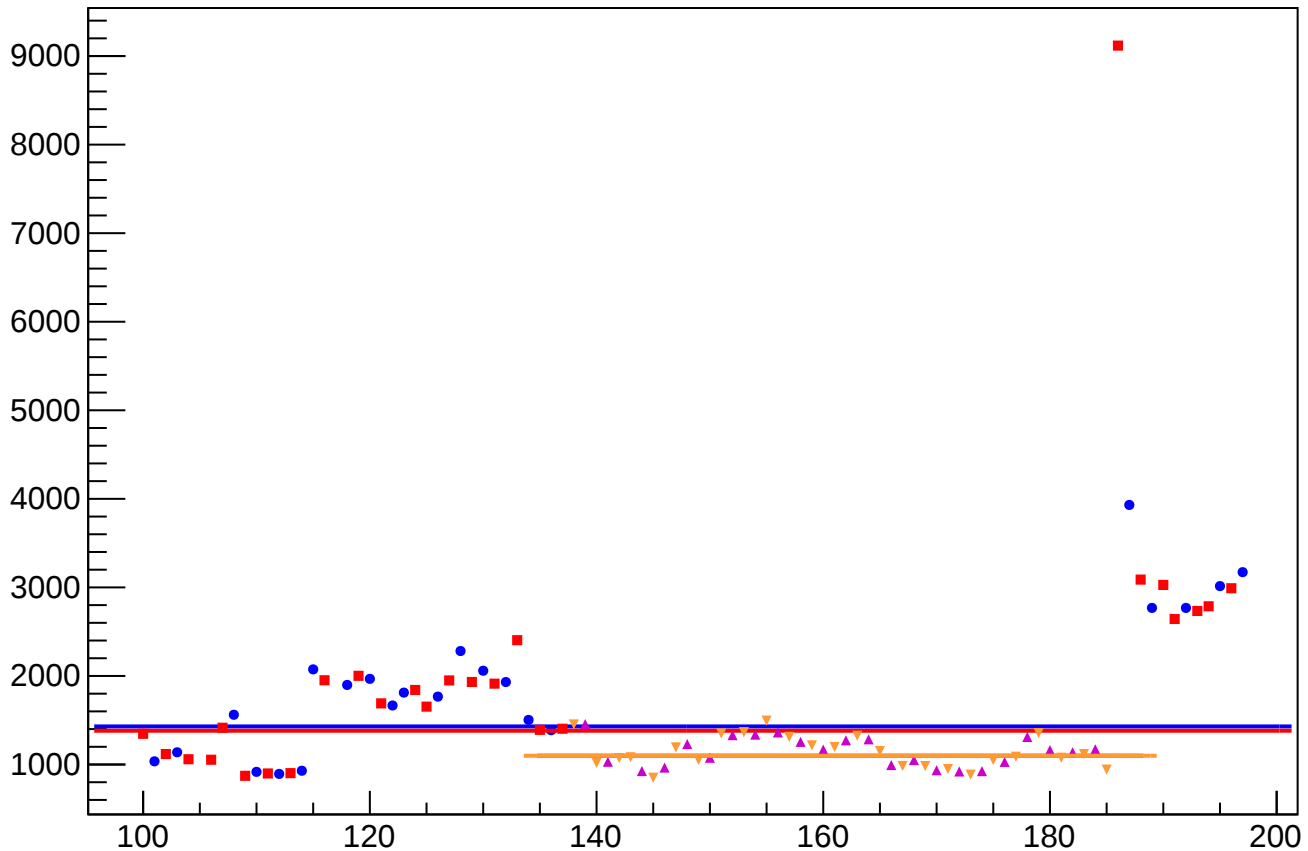
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1090.824 ± 230.320 χ^2/NDF : 86.4/46

All: -786.177 ± 162.795 χ^2/NDF : 134.4/95

- sign -482.020 ± 230.135 χ^2/NDF : 44.5/48

asym_sam_48_avg_correction_rms vs Slug



Right In: 1430.001 $\pm$ 0.355 χ^2 /NDF: 2979244.2/21

Left Out: 1098.909 $\pm$ 0.183 χ^2 /NDF: 824328.7/24

Right Out: 1381.578 $\pm$ 0.324 χ^2 /NDF: 4219860.3/25

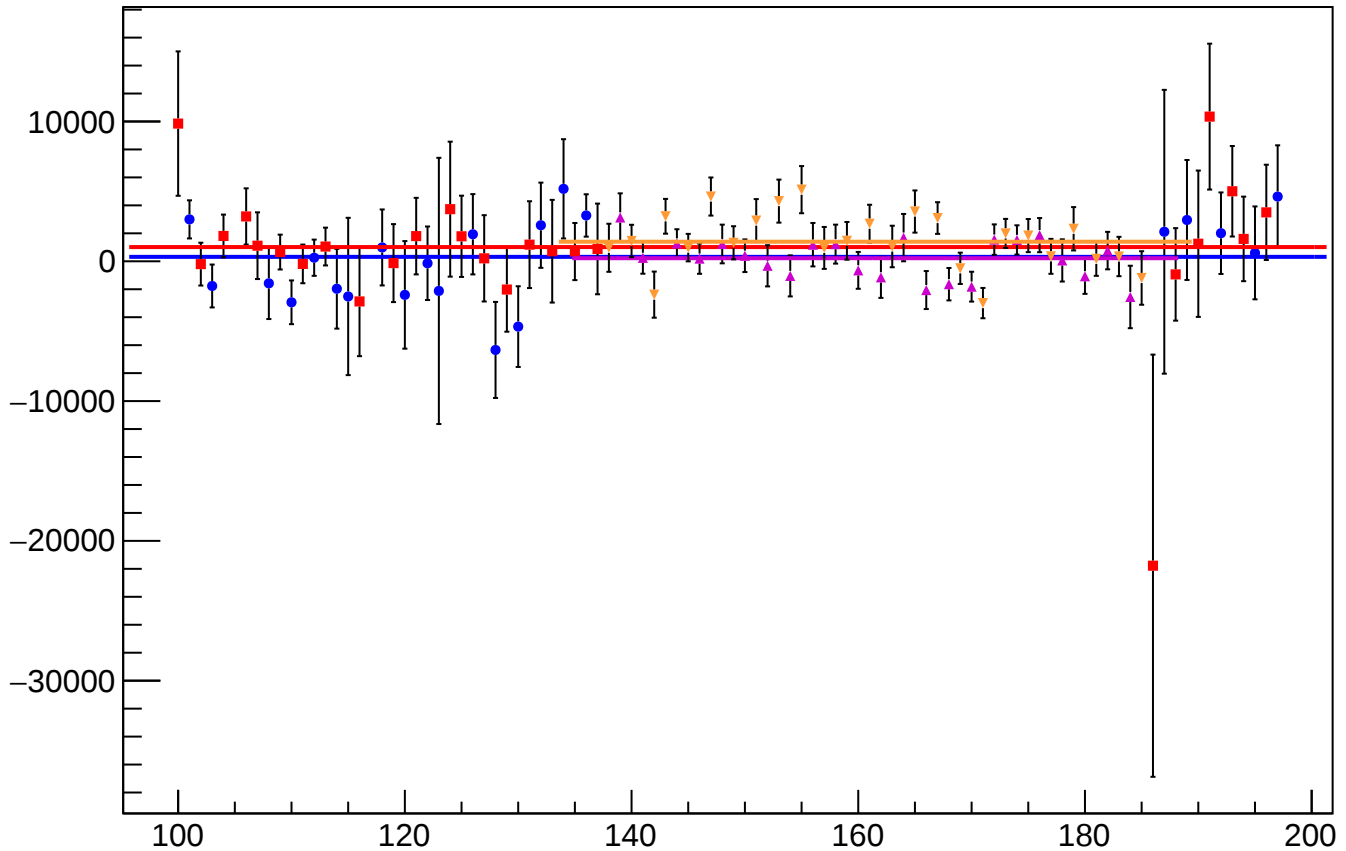
Left In: 1099.585 $\pm$ 0.188 χ^2 /NDF: 679896.1/22

+ sign 1168.779 $\pm$ 0.163 χ^2 /NDF: 4491703.3/46

All: 1169.836 $\pm$ 0.115 χ^2 /NDF: 9958865.3/95

- sign 1170.891 $\pm$ 0.163 χ^2 /NDF: 5467077.9/48

asym_sam_48_avg_mean vs Slug



Right In: 317.206 ± 504.472 χ^2/NDF : 27.6/21

Left Out: 1400.458 ± 261.804 χ^2/NDF : 52.2/24

Right Out: 1017.234 ± 460.950 χ^2/NDF : 16.5/25

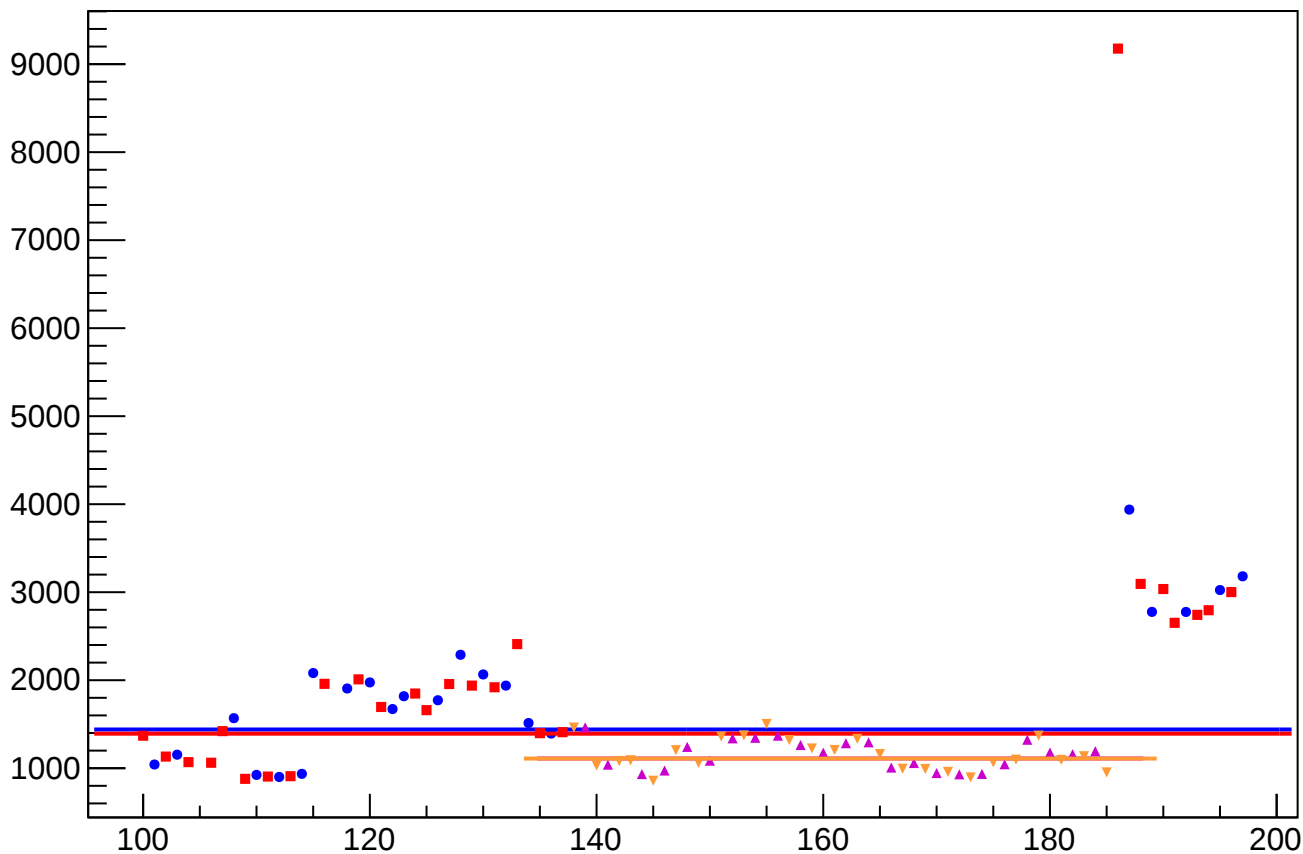
Left In: 219.393 ± 268.852 χ^2/NDF : 25.0/22

+ sign 1170.613 ± 232.375 χ^2/NDF : 83.4/46

All: 796.040 ± 164.265 χ^2/NDF : 132.4/95

- sign 421.914 ± 232.237 χ^2/NDF : 43.8/48

asym_sam_48_avg_rms vs Slug



Right In: 1440.028 ± 0.357 χ^2/NDF : 2953646.3/21

Left Out: 1109.761 ± 0.185 χ^2/NDF : 812174.9/24

Right Out: 1392.455 ± 0.326 χ^2/NDF : 4185964.3/25

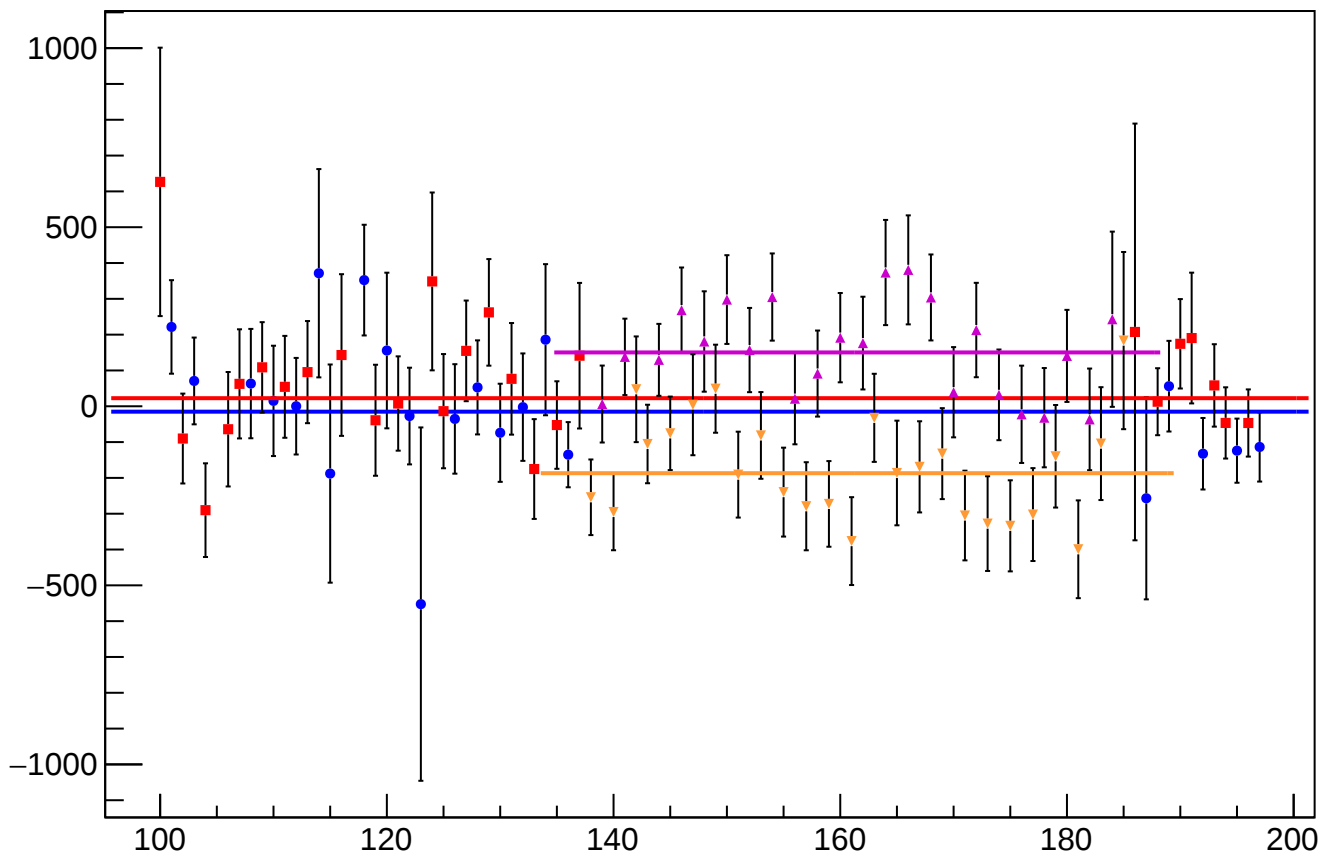
Left In: 1110.542 ± 0.190 χ^2/NDF : 669928.9/22

+ sign 1179.838 ± 0.164 χ^2/NDF : 4441147.1/46

All: 1180.970 ± 0.116 χ^2/NDF : 9855334.8/95

- sign 1182.102 ± 0.164 χ^2/NDF : 5414092.7/48

reg_asym_sam_15_dd_mean vs Slug



Right In: -15.071 ± 29.358 χ^2/NDF : 21.7/21

Left Out: -186.838 ± 25.308 χ^2/NDF : 26.6/24

Right Out: 22.576 ± 27.434 χ^2/NDF : 22.4/25

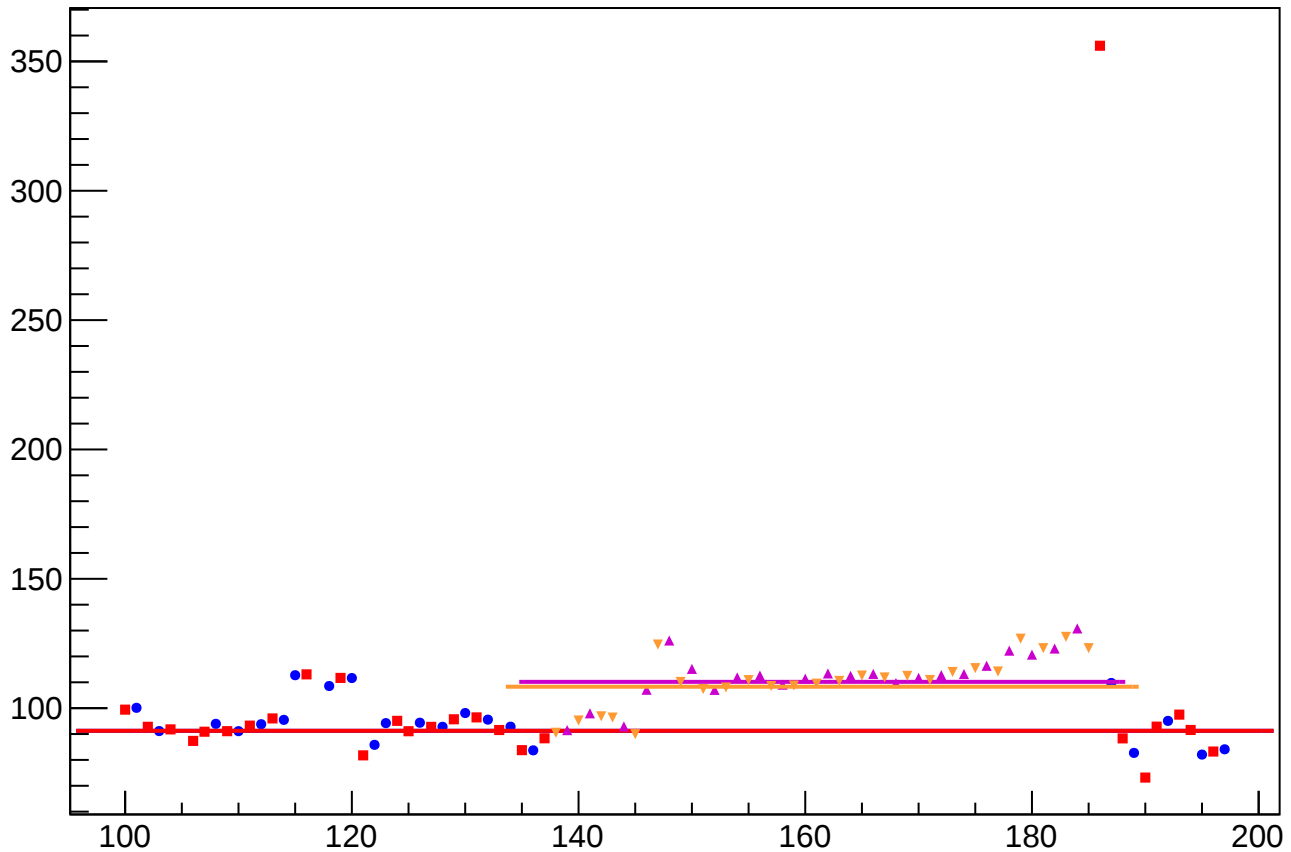
Left In: 150.315 ± 26.445 χ^2/NDF : 20.7/22

+ sign -113.610 ± 19.169 χ^2/NDF : 68.0/46

All: -11.725 ± 13.508 χ^2/NDF : 178.4/95

- sign 88.791 ± 19.040 χ^2/NDF : 54.3/48

reg_asym_sam_15_dd_rms vs Slug



Right In: 91.245 $\pm$ 0.021 χ^2 /NDF: 141360.1/21

Left Out: 108.287 $\pm$ 0.018 χ^2 /NDF: 330693.5/24

Right Out: 91.251 $\pm$ 0.019 χ^2 /NDF: 560536.8/25

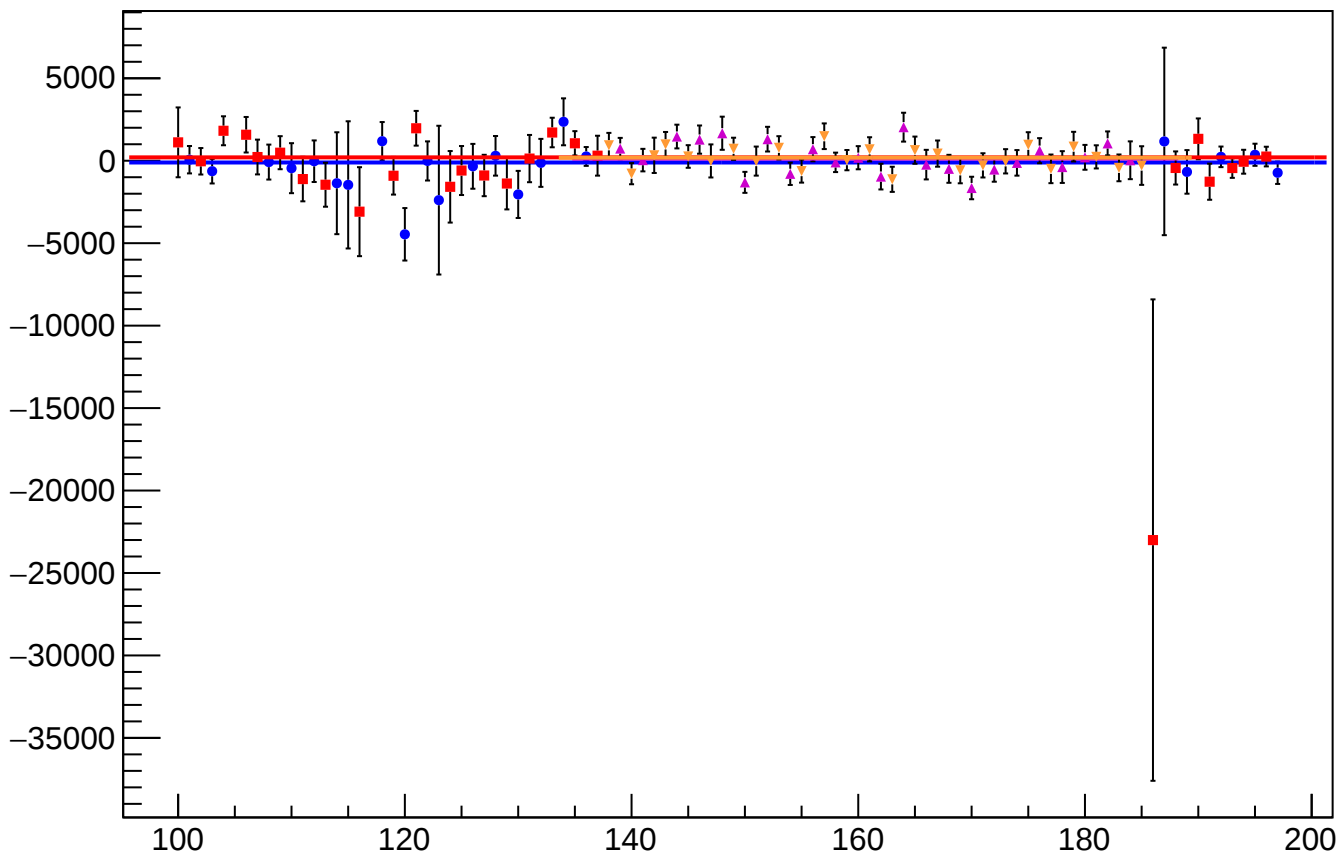
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 101.022 $\pm$ 0.014 χ^2 /NDF: 858683.9/46

All: 101.041 $\pm$ 0.010 χ^2 /NDF: 2159356.9/95

- sign 101.060 $\pm$ 0.013 χ^2 /NDF: 1300669.2/48

asym_sam_15_dd_correction_mean vs Slug



Right In: -106.826 ± 220.346 χ^2/NDF : 17.1/21

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 204.195 ± 201.055 χ^2/NDF : 26.9/25

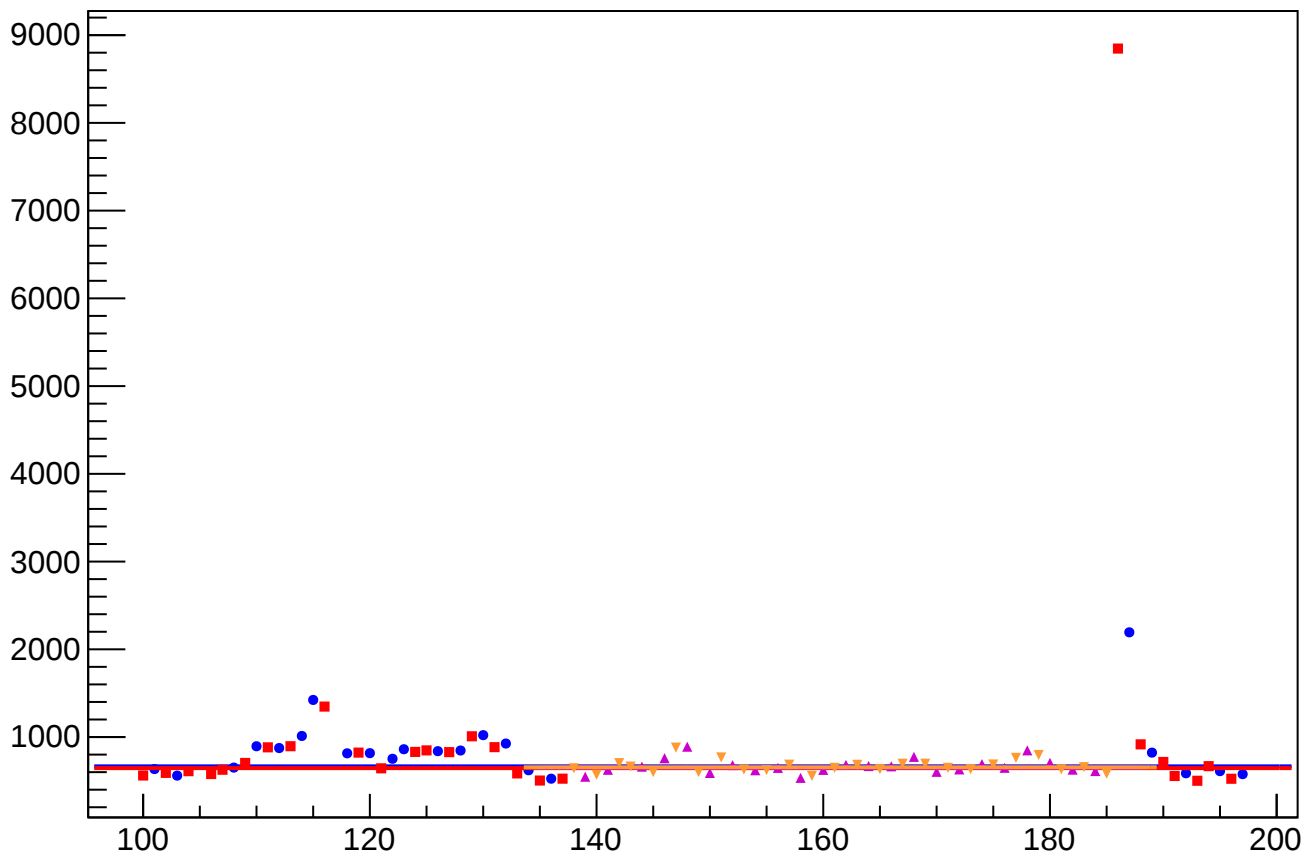
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 89.762 ± 126.052 χ^2/NDF : 36.7/46

All: 124.177 ± 88.332 χ^2/NDF : 100.1/95

- sign 157.383 ± 123.818 χ^2/NDF : 63.2/48

asym_sam_15_dd_correction_rms vs Slug



Right In: 665.812 $\pm$ 0.156 χ^2 /NDF: 951062.9/21

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 645.918 $\pm$ 0.142 χ^2 /NDF: 1702958.6/25

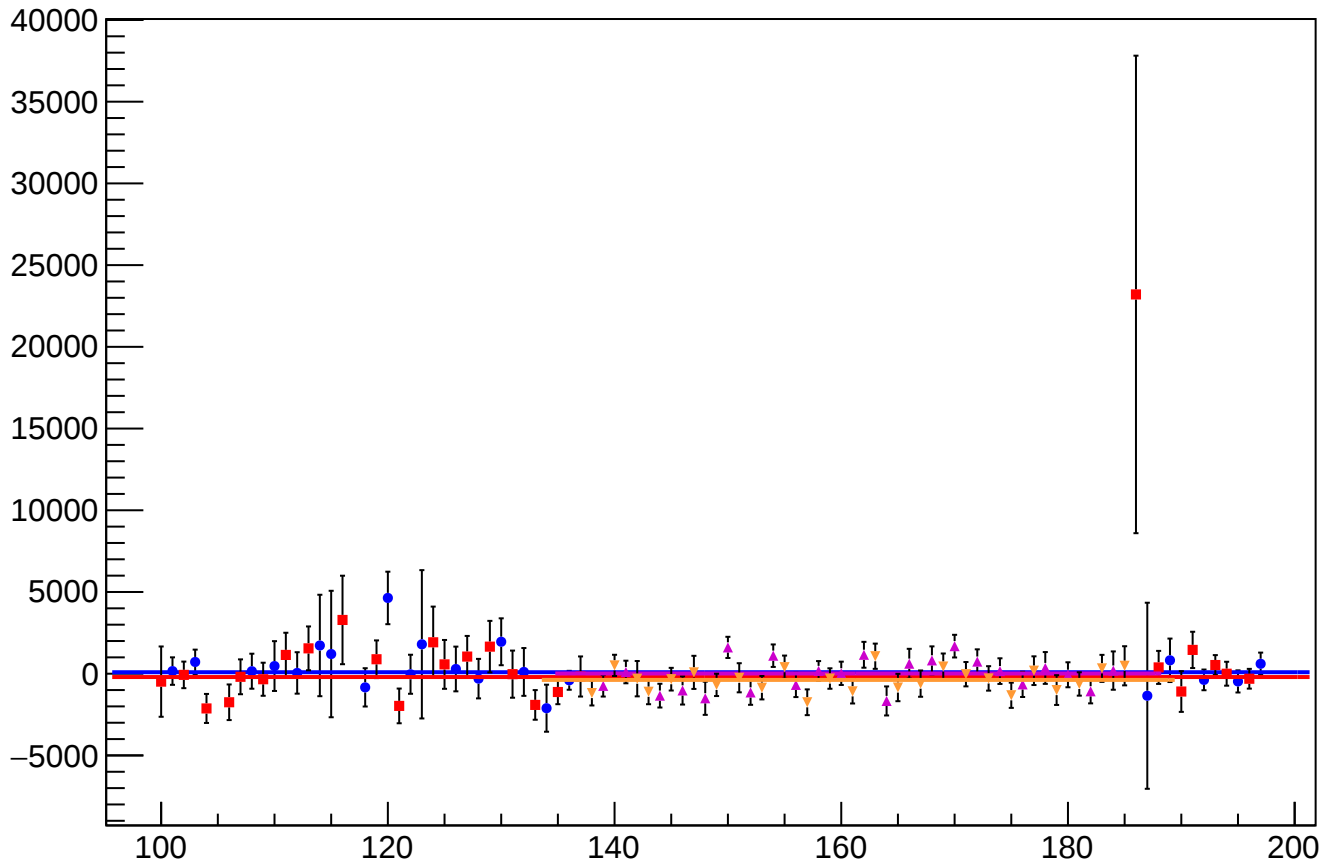
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 658.643 $\pm$ 0.089 χ^2 /NDF: 1321560.1/46

All: 653.735 $\pm$ 0.062 χ^2 /NDF: 3497349.0/95

- sign 649.000 $\pm$ 0.088 χ^2 /NDF: 2169832.4/48

asym_sam_15_dd_mean vs Slug



Right In: 90.427+/-222.649 χ^2/NDF : 17.0/21

Left Out: -379.470+/-155.892 χ^2/NDF : 18.8/24

Right Out: -204.169+/-203.361 χ^2/NDF : 30.7/25

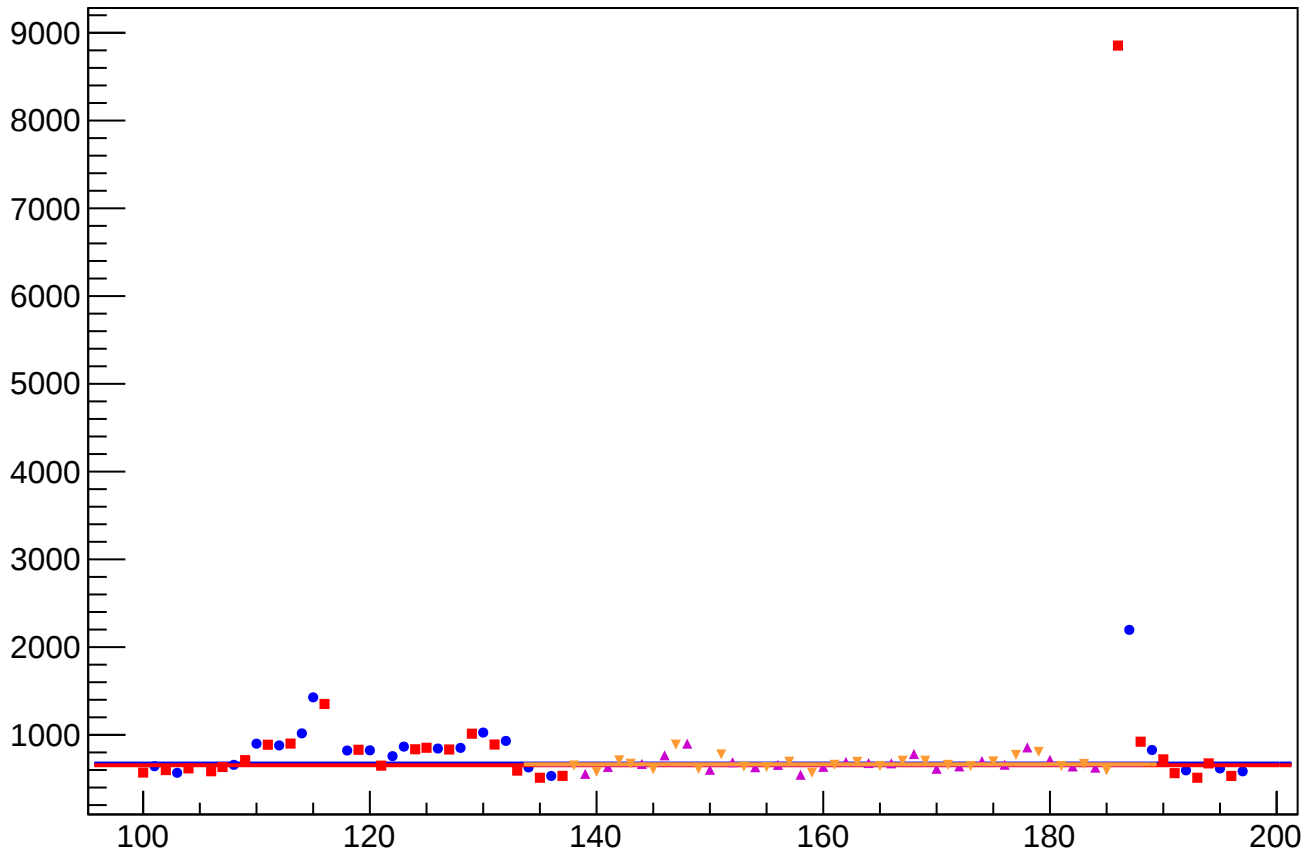
Left In: 14.768+/-159.513 χ^2/NDF : 37.2/22

+ sign -224.890+/-127.702 χ^2/NDF : 38.8/46

All: -145.405+/-89.514 χ^2/NDF : 108.1/95

- sign -68.626+/-125.509 χ^2/NDF : 68.6/48

asym_sam_15_dd_rms vs Slug



Right In: 673.302 $\pm$ 0.157 χ^2 /NDF: 929476.1/21

Left Out: 664.773 $\pm$ 0.110 χ^2 /NDF: 357053.8/24

Right Out: 654.011 $\pm$ 0.144 χ^2 /NDF: 1669802.6/25

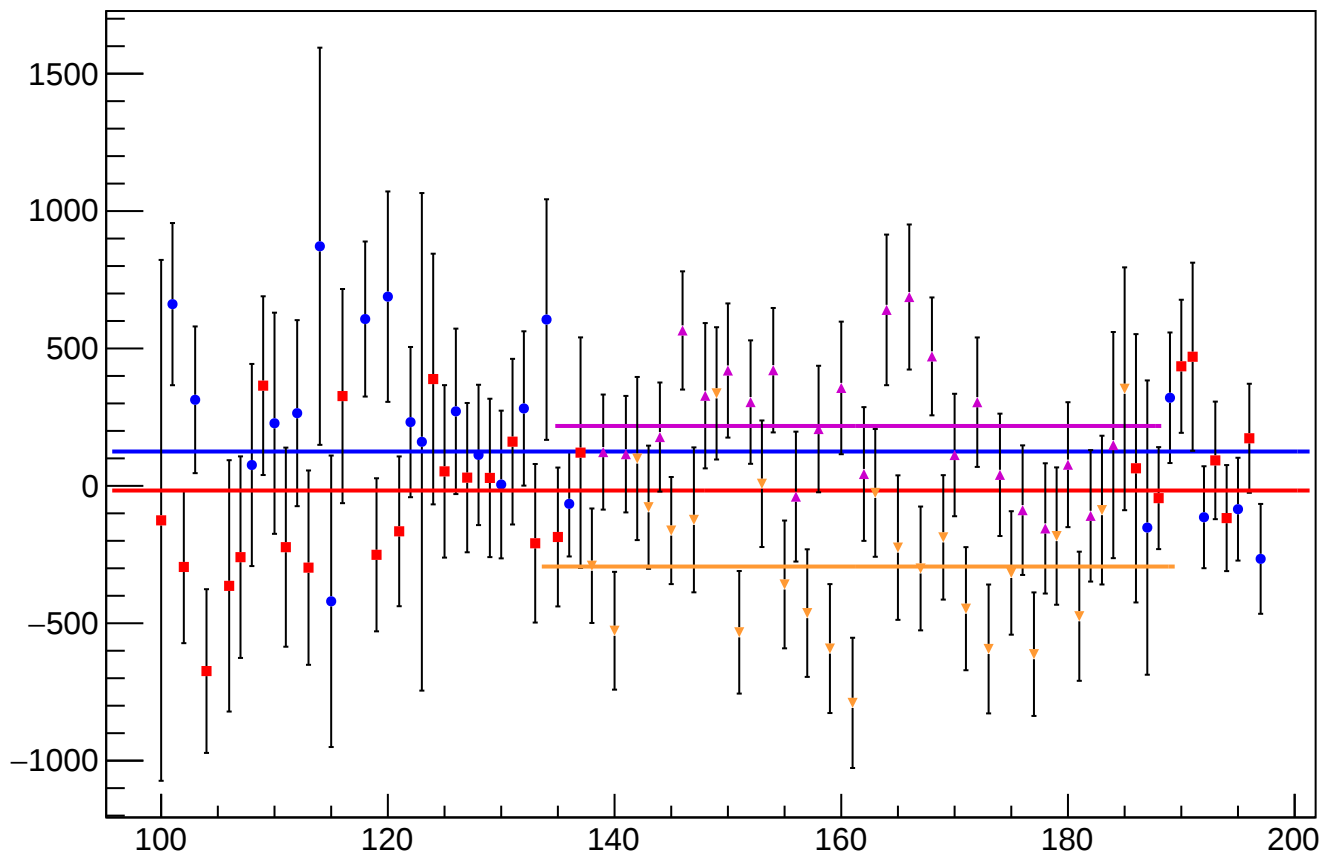
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 667.578 $\pm$ 0.090 χ^2 /NDF: 1288499.4/46

All: 662.844 $\pm$ 0.063 χ^2 /NDF: 3414304.1/95

- sign 658.270 $\pm$ 0.089 χ^2 /NDF: 2120399.5/48

reg_asym_sam_26_dd_mean vs Slug



Right In: 125.007 +/- 60.137 χ^2/NDF : 22.0/21

Left Out: -293.590 +/- 47.203 χ^2/NDF : 30.3/24

Right Out: -16.936 +/- 56.480 χ^2/NDF : 20.3/25

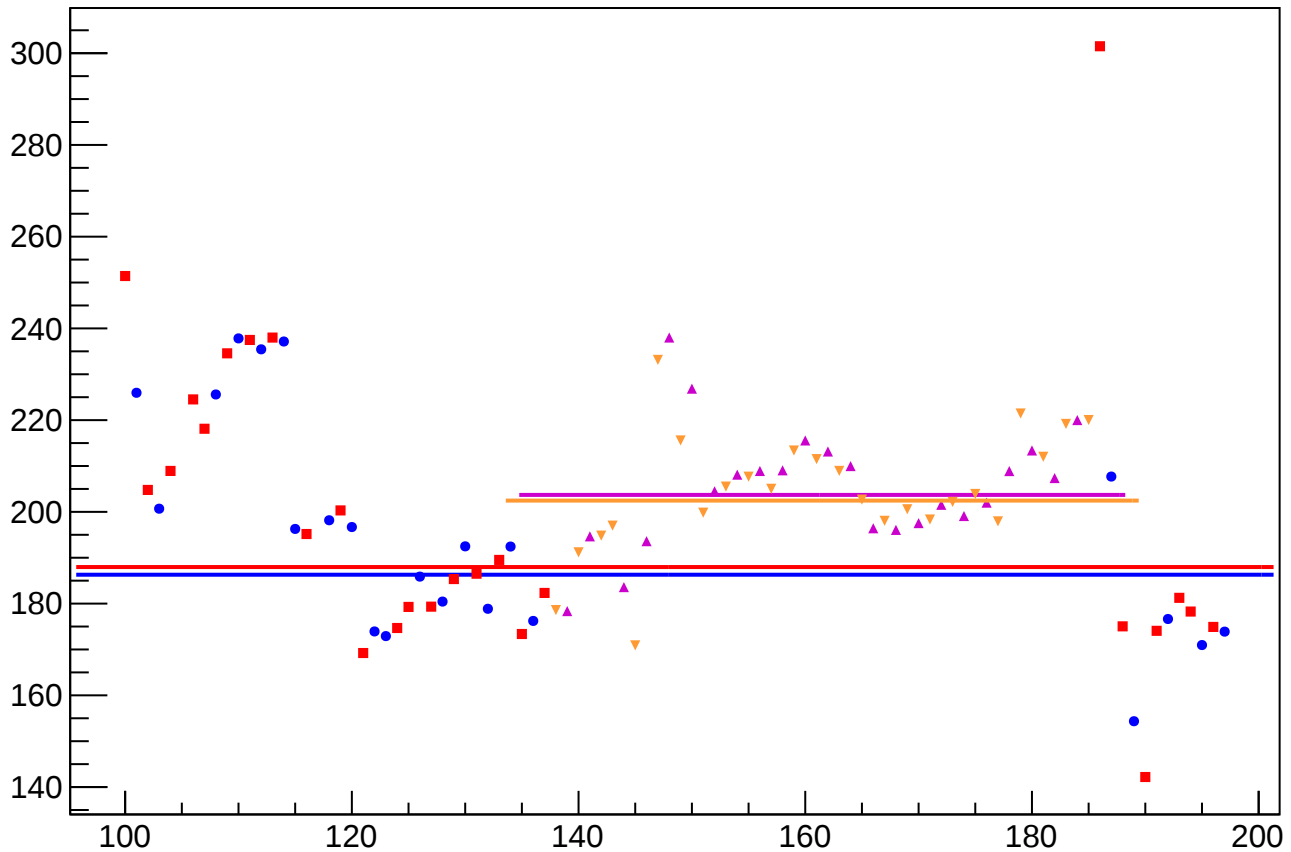
Left In: 217.964 +/- 48.819 χ^2/NDF : 21.3/22

+ sign -134.009 +/- 37.131 χ^2/NDF : 82.4/46

All: -7.580 +/- 26.186 χ^2/NDF : 156.9/95

- sign 117.515 +/- 36.934 χ^2/NDF : 51.5/48

reg_asym_sam_26_dd_rms vs Slug



Right In: 186.297 $\pm$ 0.043 χ^2 /NDF: 235232.9/21

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 187.971 $\pm$ 0.040 χ^2 /NDF: 405901.9/25

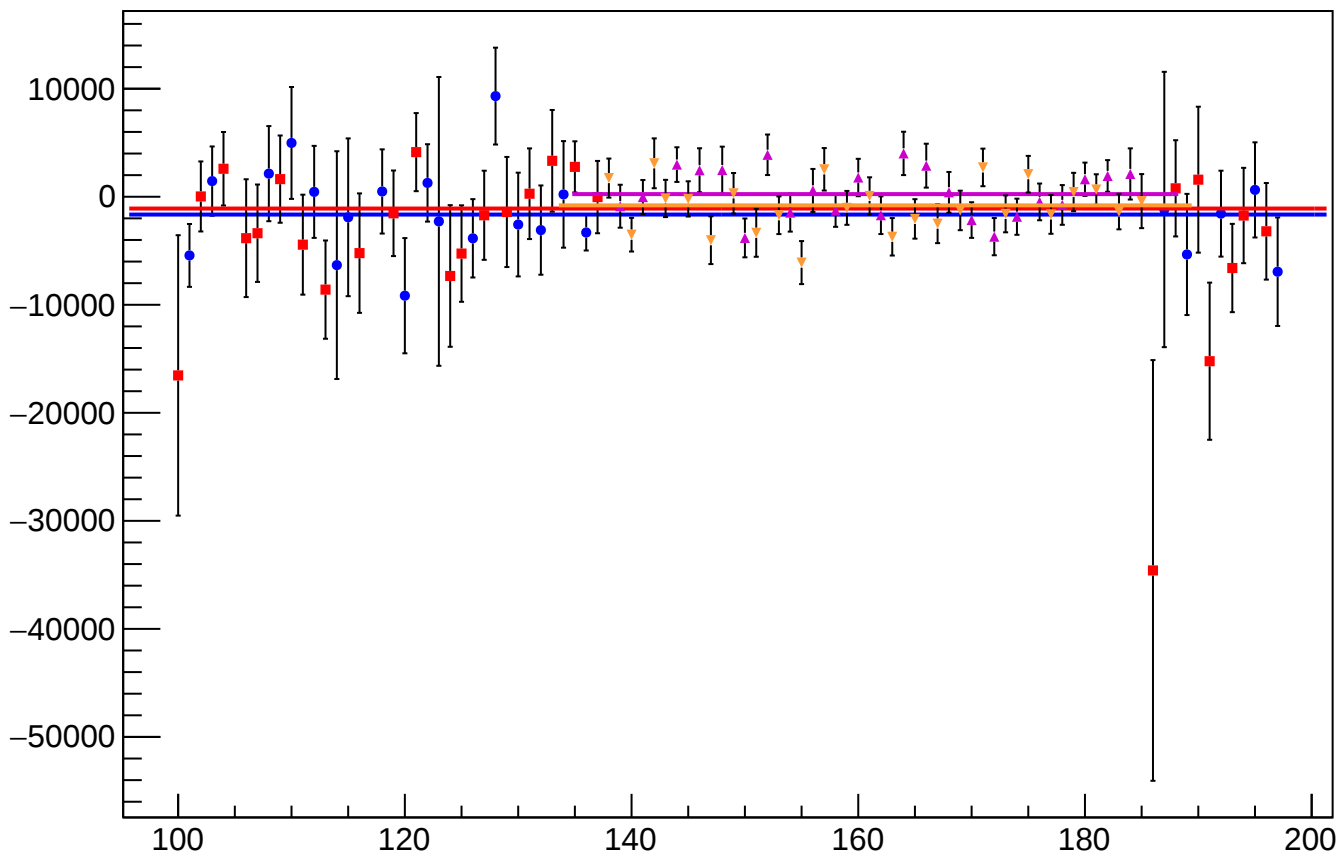
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 196.297 $\pm$ 0.026 χ^2 /NDF: 483193.5/46

All: 196.637 $\pm$ 0.019 χ^2 /NDF: 1114391.3/95

- sign 196.973 $\pm$ 0.026 χ^2 /NDF: 630865.0/48

asym_sam_26_dd_correction_mean vs Slug



Right In: -1648.266 ± 847.207 χ^2/NDF : 17.9/21

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1091.941 ± 846.597 χ^2/NDF : 24.2/25

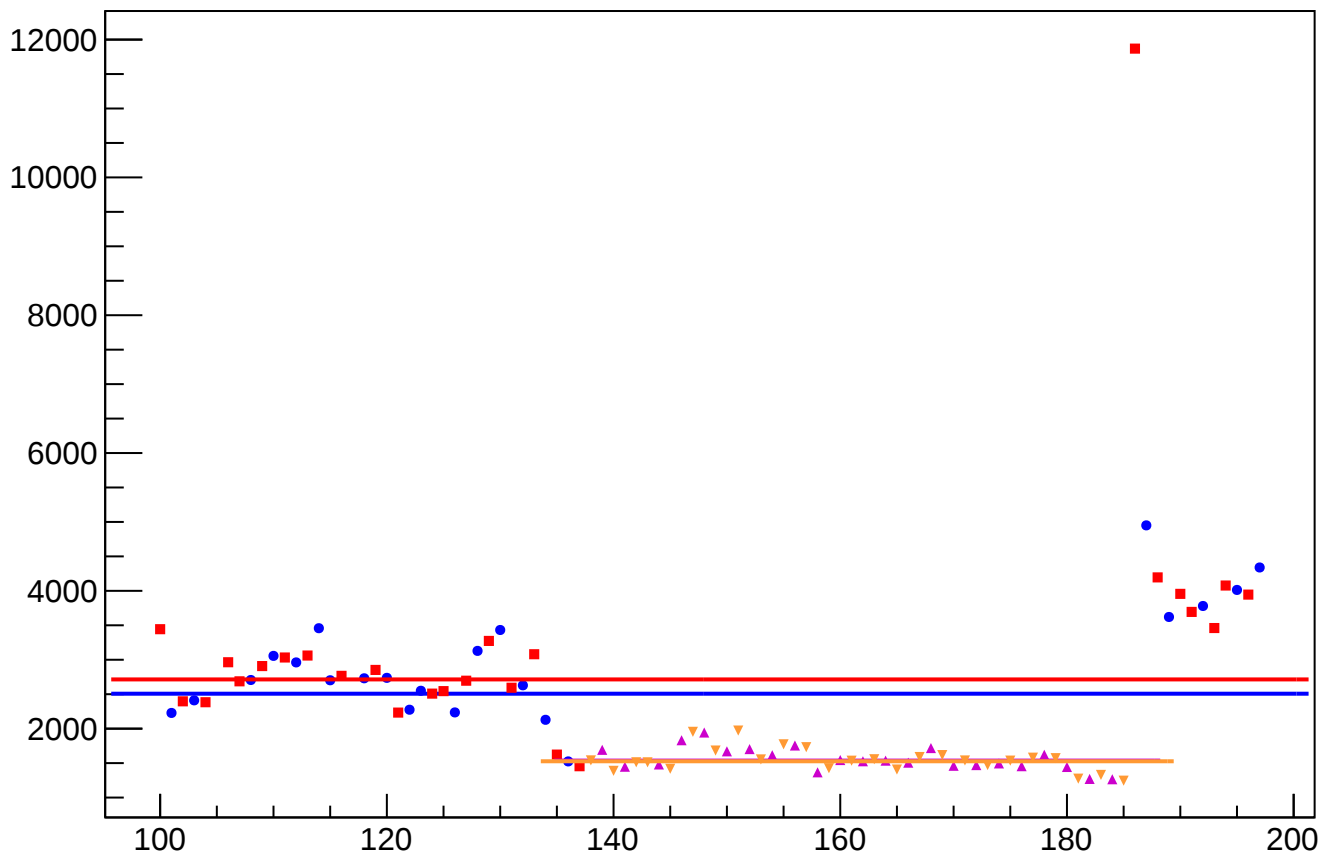
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -925.482 ± 329.650 χ^2/NDF : 54.5/46

All: -460.581 ± 236.306 χ^2/NDF : 120.6/95

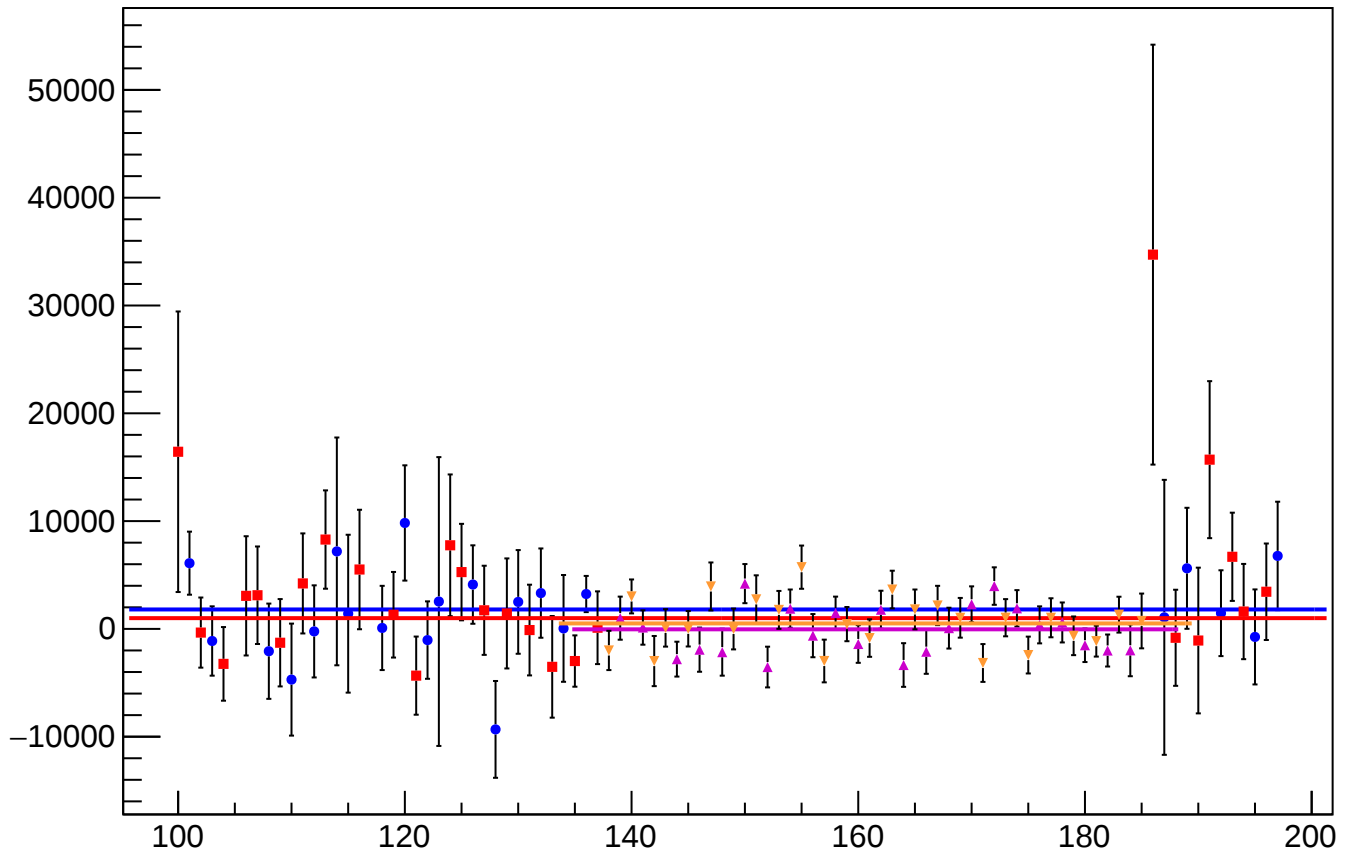
- sign 30.824 ± 338.917 χ^2/NDF : 62.0/48

asym_sam_26_dd_correction_rms vs Slug



Right In: 2507.157 ± 0.599 $\chi^2/\text{NDF}: 1795939.3/21$ + sign 1675.152 ± 0.233 $\chi^2/\text{NDF}: 4463836.6/46$
 Left Out: 1526.712 ± 0.253 $\chi^2/\text{NDF}: 394892.7/24$ All: 1699.546 ± 0.167 $\chi^2/\text{NDF}: 10127666.7/9$
 Right Out: 2714.561 ± 0.599 $\chi^2/\text{NDF}: 2039095.8/25$ - sign 1725.331 ± 0.240 $\chi^2/\text{NDF}: 5641301.4/48$
 Left In: 1536.538 ± 0.262 $\chi^2/\text{NDF}: 350373.3/22$

asym_sam_26_dd_mean vs Slug



Right In: 1803.118 $\pm$ 850.545 χ^2 /NDF: 18.2/21

Left Out: 507.982 $\pm$ 361.172 χ^2 /NDF: 35.4/24

Right Out: 997.507 $\pm$ 849.583 χ^2 /NDF: 25.1/25

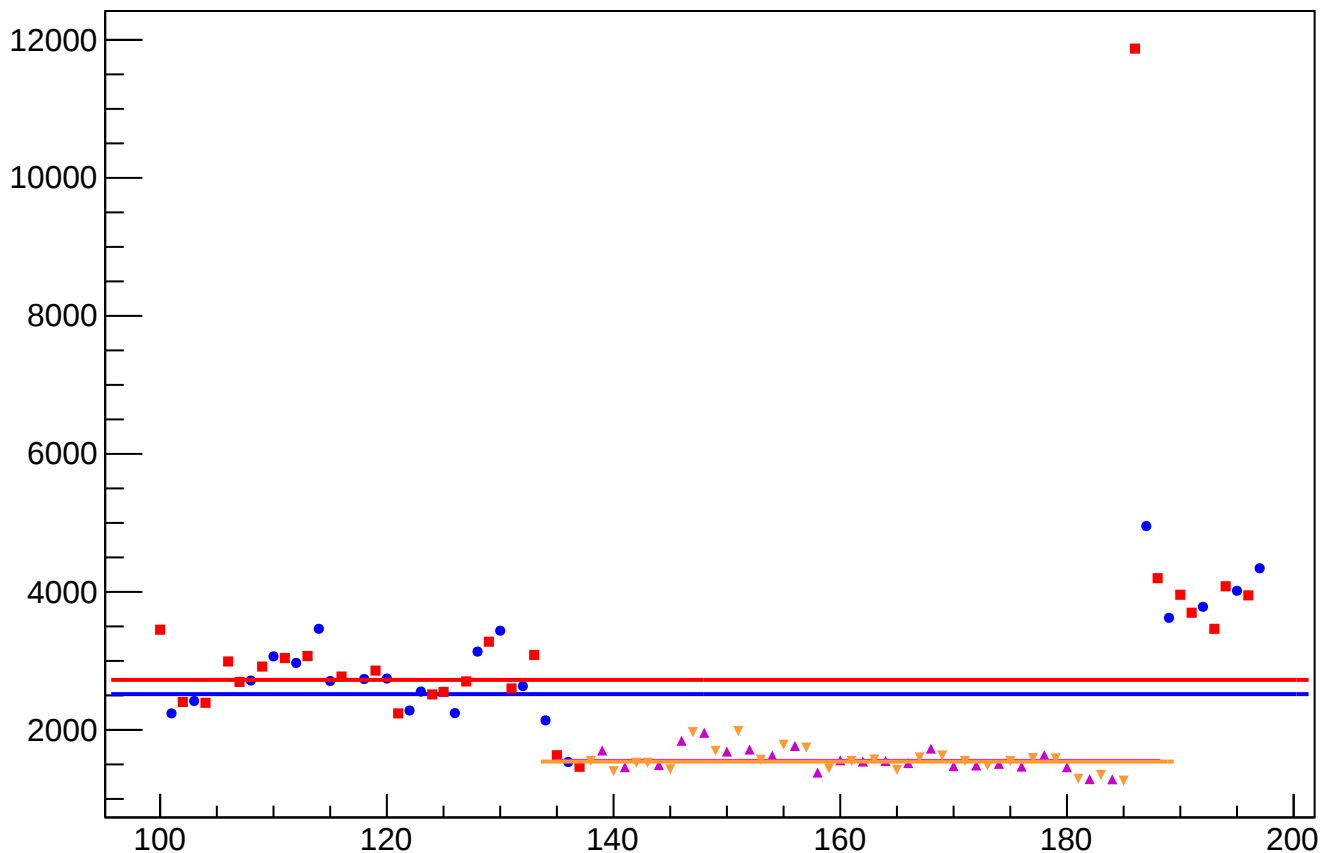
Left In: -40.080 $\pm$ 373.261 χ^2 /NDF: 33.6/22

+ sign 705.838 $\pm$ 332.442 χ^2 /NDF: 55.6/46

All: 424.783 $\pm$ 238.289 χ^2 /NDF: 117.0/95

- sign 127.796 $\pm$ 341.734 χ^2 /NDF: 59.9/48

asym_sam_26_dd_rms vs Slug



Right In: 2518.768 $\pm$ 0.601 χ^2 /NDF: 1773236.2/21

Left Out: 1541.258 $\pm$ 0.255 χ^2 /NDF: 382045.4/24

Right Out: 2725.070 $\pm$ 0.601 χ^2 /NDF: 2020135.3/25

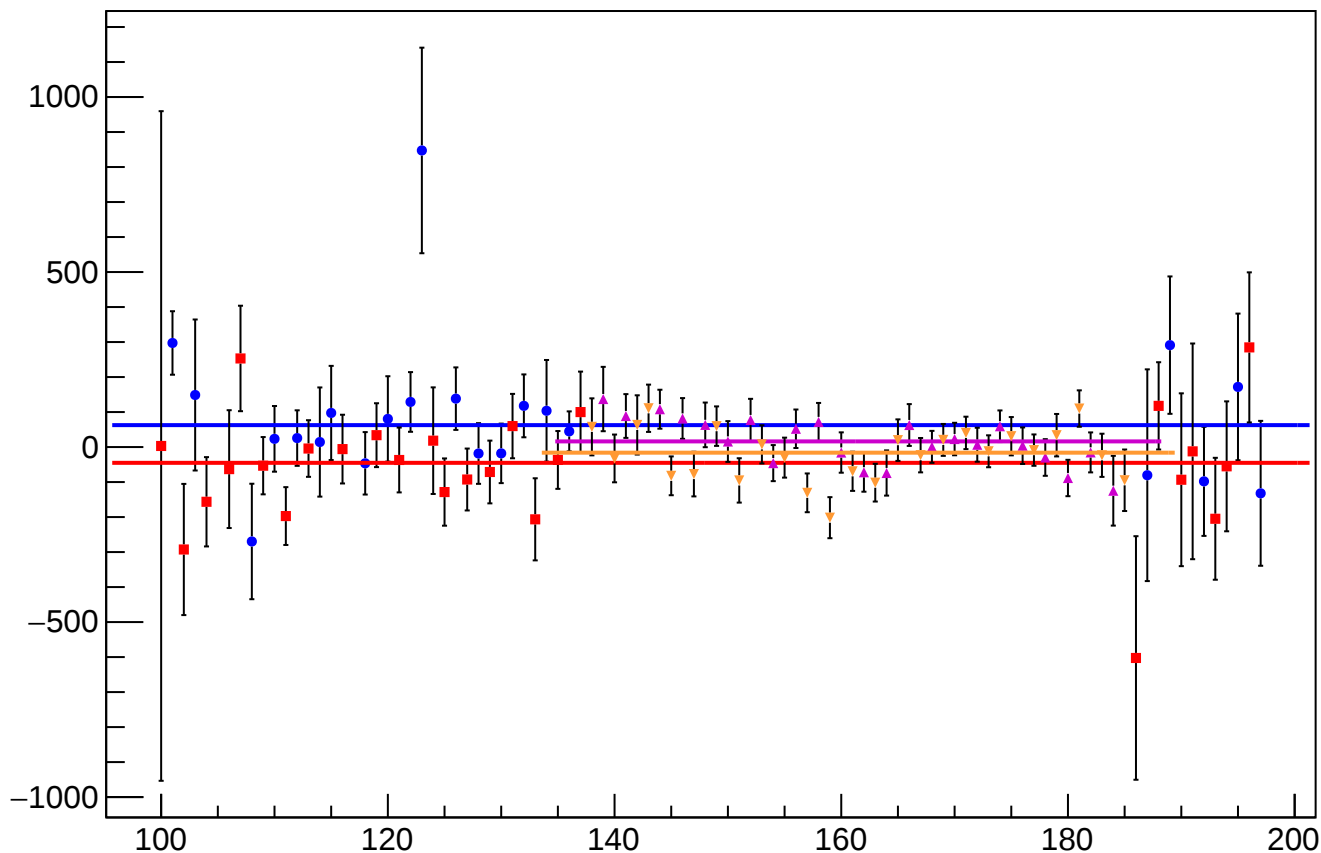
Left In: 1551.063 $\pm$ 0.264 χ^2 /NDF: 338898.9/22

+ sign 1690.592 $\pm$ 0.235 χ^2 /NDF: 4393378.3/46

All: 1715.107 $\pm$ 0.168 χ^2 /NDF: 9975956.8/95

- sign 1741.011 $\pm$ 0.242 χ^2 /NDF: 5560210.4/48

reg_asym_sam_37_dd_mean vs Slug



Right In: 62.647 $\pm$ 22.999 χ^2 /NDF: 27.6/21

Left Out: -16.049 $\pm$ 11.340 χ^2 /NDF:39.7/24

Right Out: -45.069 $\pm$ 22.594 χ^2 /NDF: 24.6/25

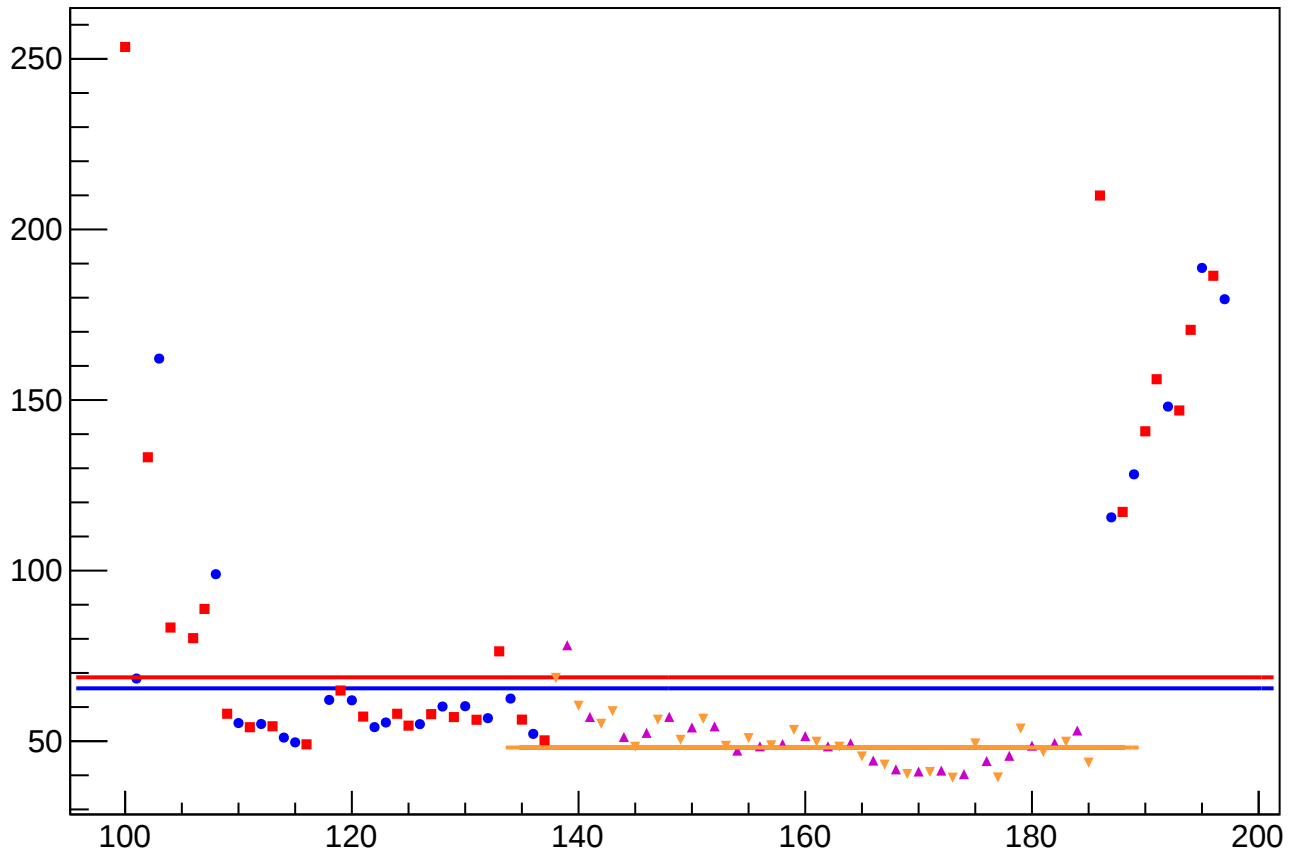
Left In: 16.162 $\pm$ 11.649 χ^2 /NDF:25.2/22

+ sign -0.659 $\pm$ 10.171 χ^2 /NDF: 76.7/46

All: 1.286 $\pm$ 7.256 χ^2 /NDF: 132.4/95

- sign 3.302 $\pm$ 10.354 χ^2 /NDF: 55.7/48

reg_asym_sam_37_dd_rms vs Slug



Right In: 65.491 $\pm$ 0.016 χ^2 /NDF: 2924353.5/21

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 68.716 $\pm$ 0.016 χ^2 /NDF: 3487003.3/25

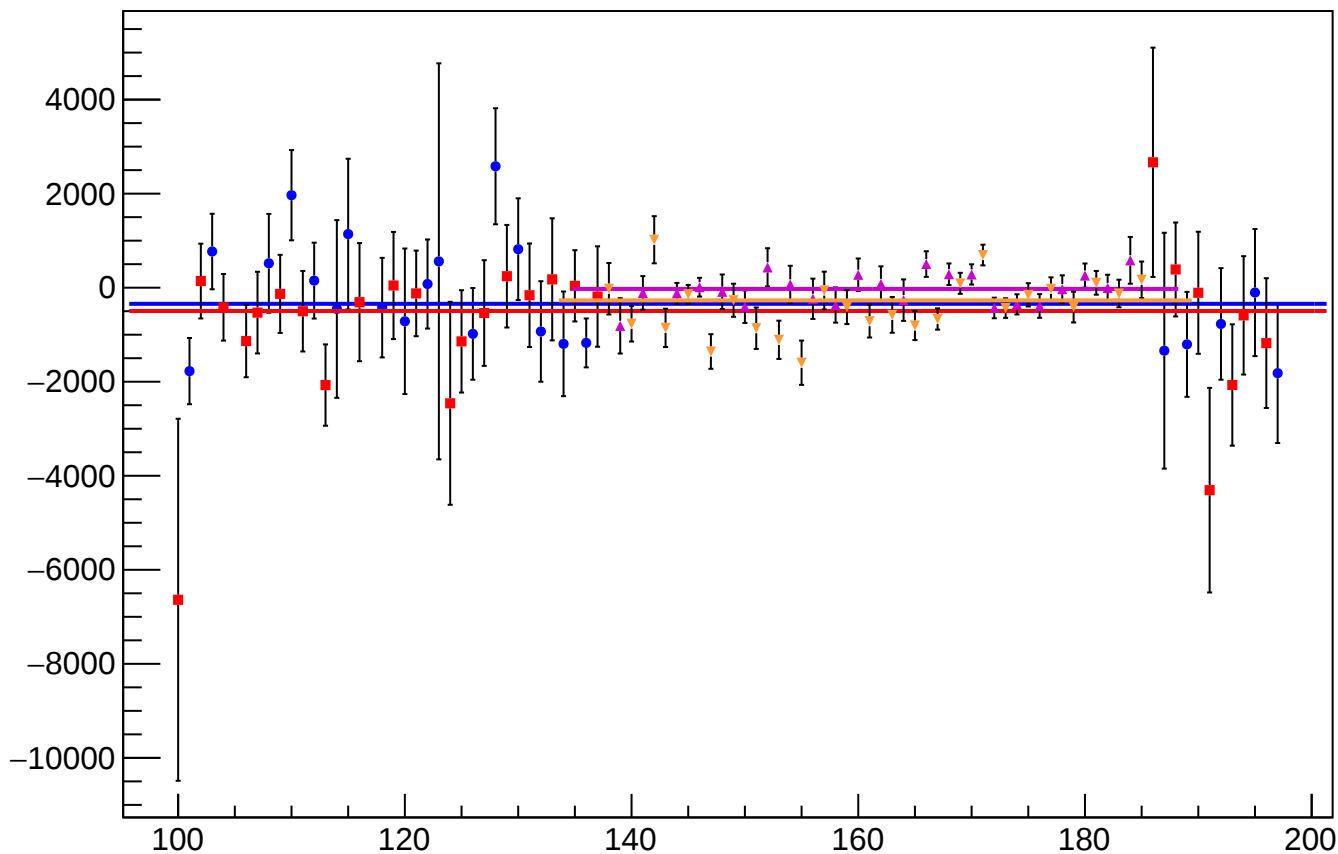
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 51.534 $\pm$ 0.007 χ^2 /NDF: 4495269.3/46

All: 51.989 $\pm$ 0.005 χ^2 /NDF: 9875944.1/95

- sign 52.461 $\pm$ 0.007 χ^2 /NDF: 5372521.2/48

asym_sam_37_dd_correction_mean vs Slug



Right In: -343.201 ± 218.938 $\chi^2/\text{NDF}: 26.6/21$

Left Out: -270.214 ± 60.177 $\chi^2/\text{NDF}: 70.1/24$

Right Out: -495.575 ± 204.651 $\chi^2/\text{NDF}: 17.8/25$

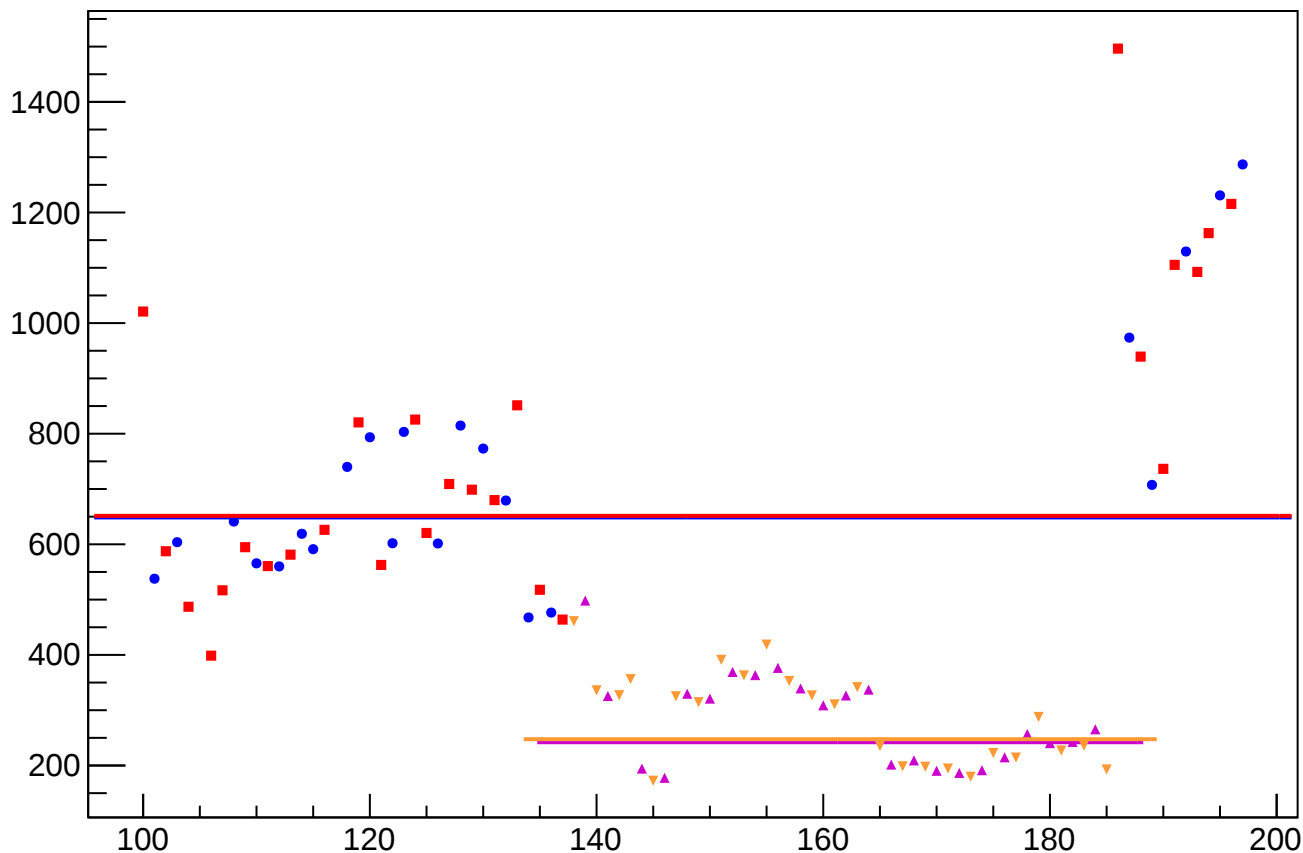
Left In: -27.271 ± 60.430 $\chi^2/\text{NDF}: 25.1/22$

+ sign -275.340 ± 58.026 $\chi^2/\text{NDF}: 96.8/46$

All: -169.959 ± 41.006 $\chi^2/\text{NDF}: 151.0/95$

- sign -64.829 ± 57.956 $\chi^2/\text{NDF}: 47.6/48$

asym_sam_37_dd_correction_rms vs Slug



Right In: 648.609+/-0.155 χ^2/NDF : 1586479.3/21

Left Out: 247.570+/-0.043 χ^2/NDF : 2780931.0/24

Right Out: 651.446+/-0.145 χ^2/NDF : 2108014.4/25

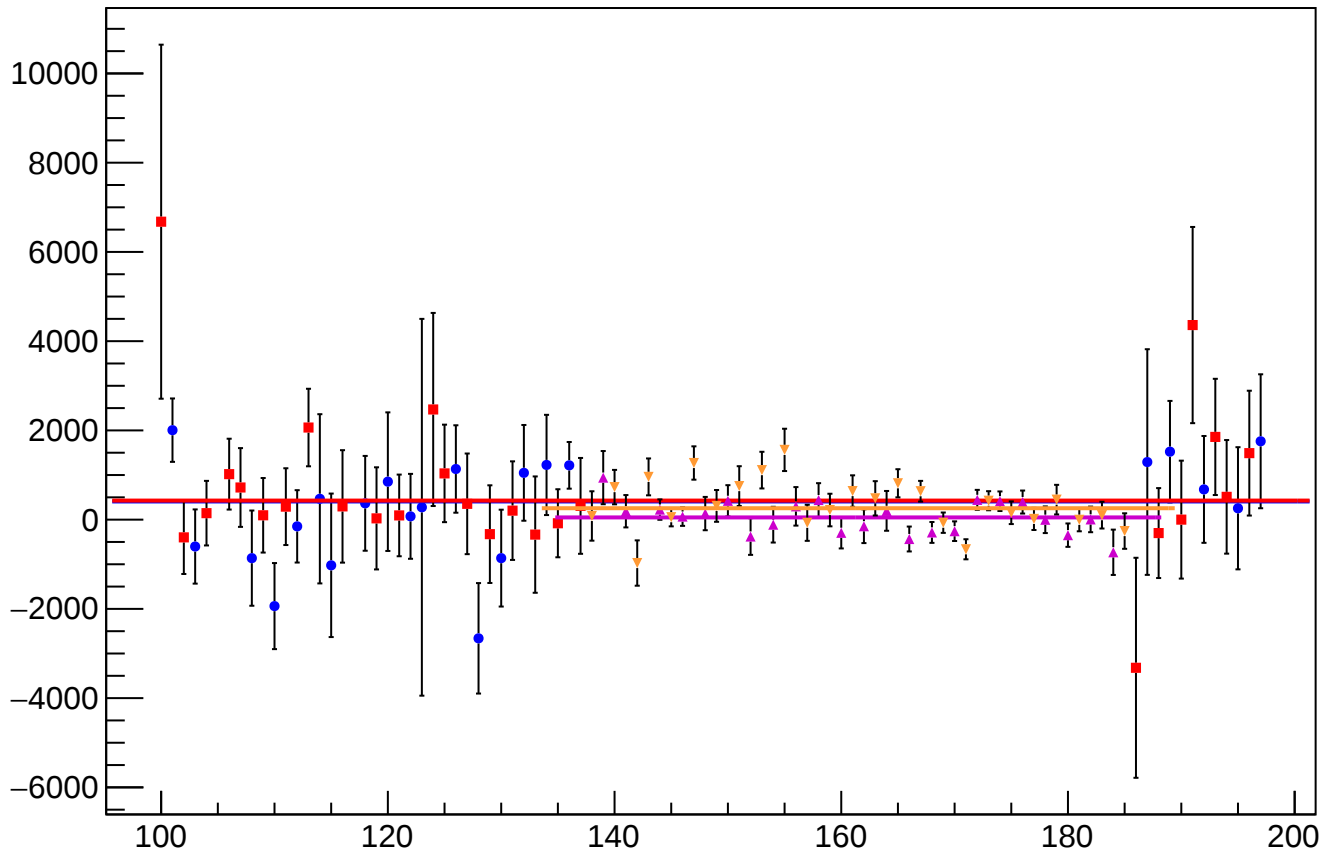
Left In: 242.117+/-0.043 χ^2/NDF : 2466108.9/22

+ sign 275.740+/-0.041 χ^2/NDF : 10606618.7/46

All: 275.342+/-0.029 χ^2/NDF : 22540332.0/95

- sign 274.945+/-0.041 χ^2/NDF : 11933525.4/48

asym_sam_37_dd_mean vs Slug



Right In: 407.700 $\pm$ 220.915 χ^2 /NDF: 28.6/21

Left Out: 255.995 $\pm$ 61.418 χ^2 /NDF: 63.6/24

Right Out: 427.374 $\pm$ 207.001 χ^2 /NDF: 18.7/25

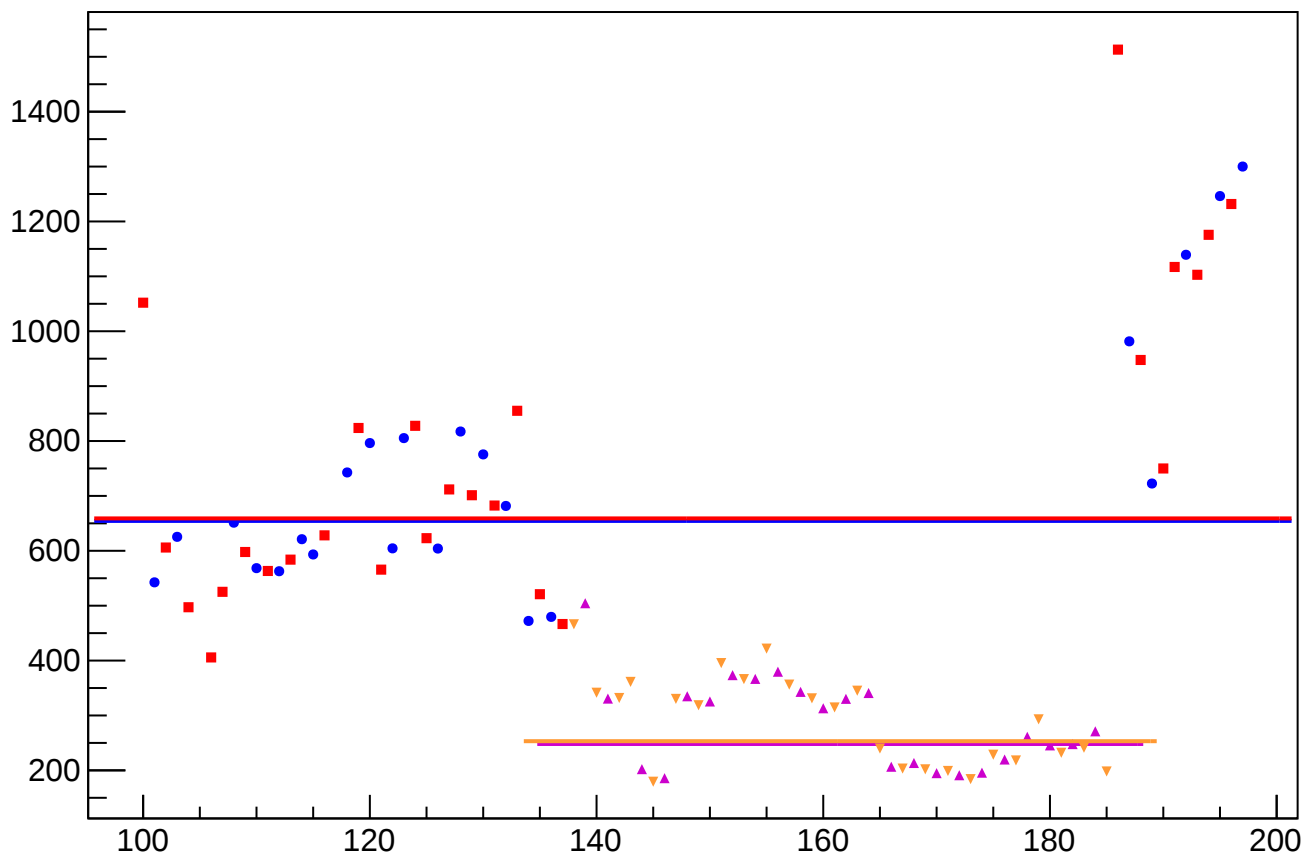
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF: 27.5/22

+ sign 266.880 $\pm$ 59.174 χ^2 /NDF: 92.7/46

All: 173.838 $\pm$ 41.852 χ^2 /NDF: 146.9/95

- sign 80.712 $\pm$ 59.201 χ^2 /NDF: 49.3/48

asym_sam_37_dd_rms vs Slug



Right In: 654.472+/-0.156 χ^2/NDF : 1590204.5/21

Left Out: 253.137+/-0.043 χ^2/NDF : 2665975.8/24

Right Out: 659.003+/-0.146 χ^2/NDF : 2086372.3/25

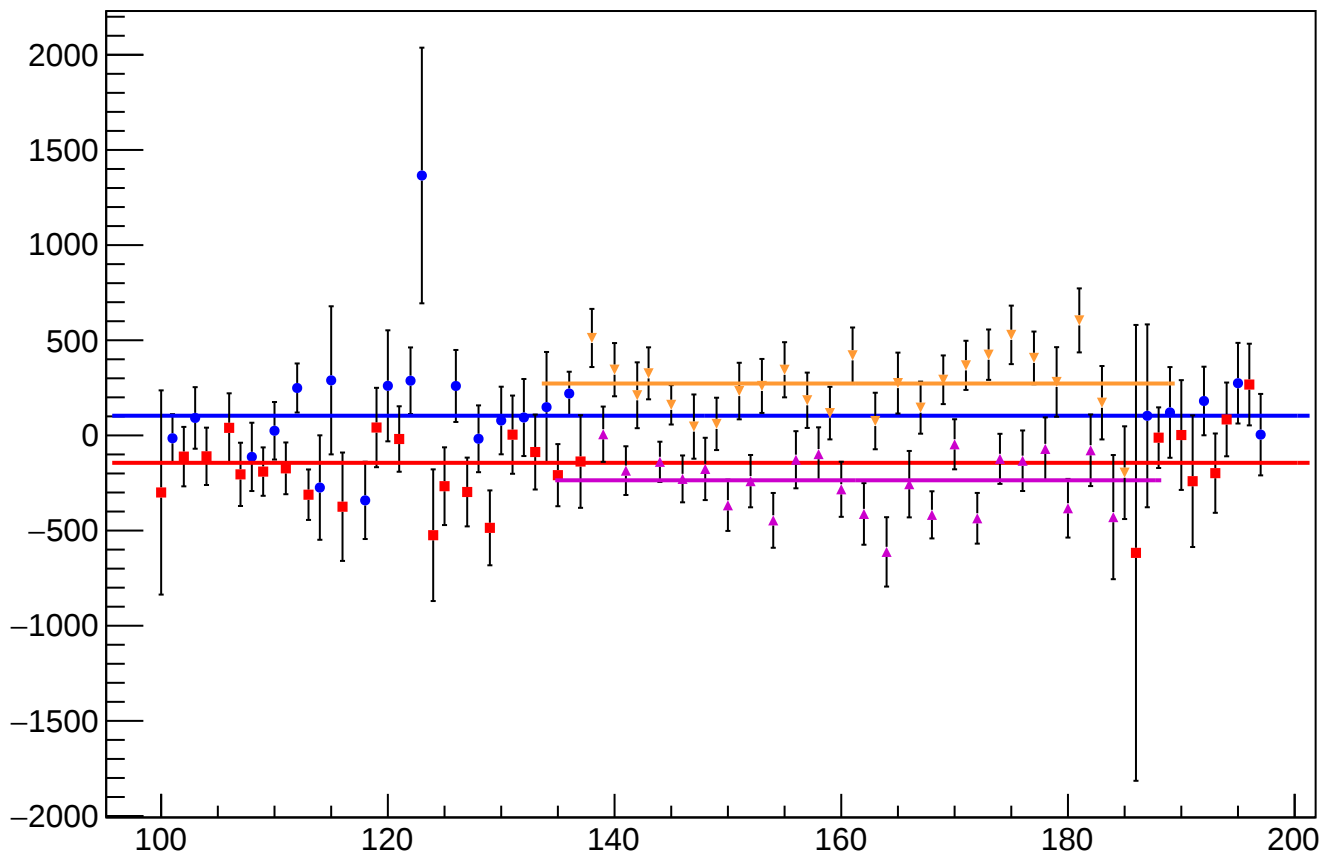
Left In: 248.069+/-0.044 χ^2/NDF : 2343295.0/22

+ sign 281.932+/-0.042 χ^2/NDF : 10383355.8/46

All: 281.806+/-0.030 χ^2/NDF : 22050250.2/95

- sign 281.679+/-0.042 χ^2/NDF : 11666876.2/48

reg_asym_sam_48_dd_mean vs Slug



Right In: 103.461 ± 39.909 $\chi^2/\text{NDF}: 19.0/21$

Left Out: 272.684 ± 29.221 $\chi^2/\text{NDF}: 27.4/24$

Right Out: -144.052 ± 37.229 $\chi^2/\text{NDF}: 17.5/25$

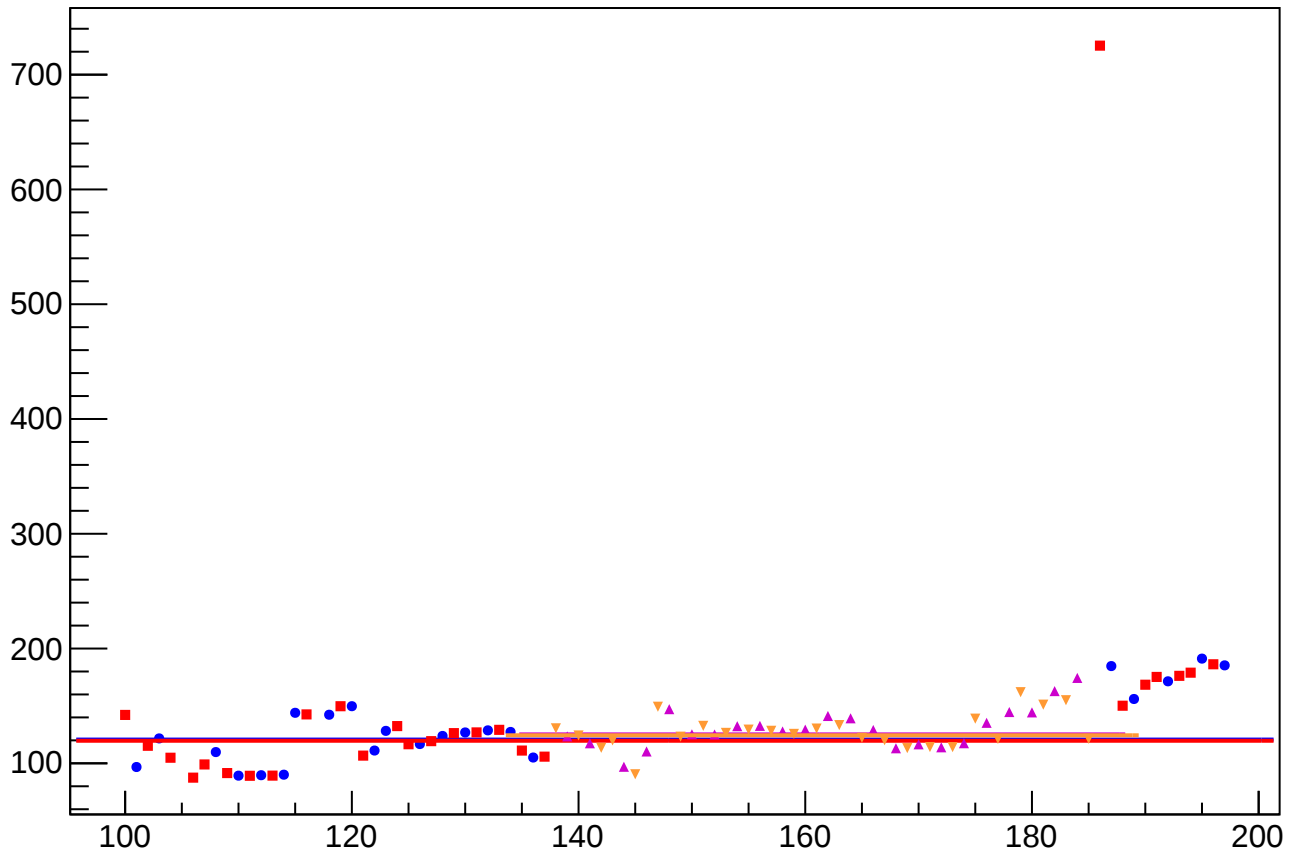
Left In: -235.801 ± 30.232 $\chi^2/\text{NDF}: 24.6/22$

+ sign 213.624 ± 23.577 $\chi^2/\text{NDF}: 58.2/46$

All: 6.189 ± 16.633 $\chi^2/\text{NDF}: 258.0/95$

- sign -199.342 ± 23.468 $\chi^2/\text{NDF}: 45.7/48$

reg_asym_sam_48_dd_rms vs Slug



Right In: 120.696 $\pm$ 0.028 χ^2 /NDF: 1050176.4/21

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 119.665 $\pm$ 0.026 χ^2 /NDF: 1733663.6/25

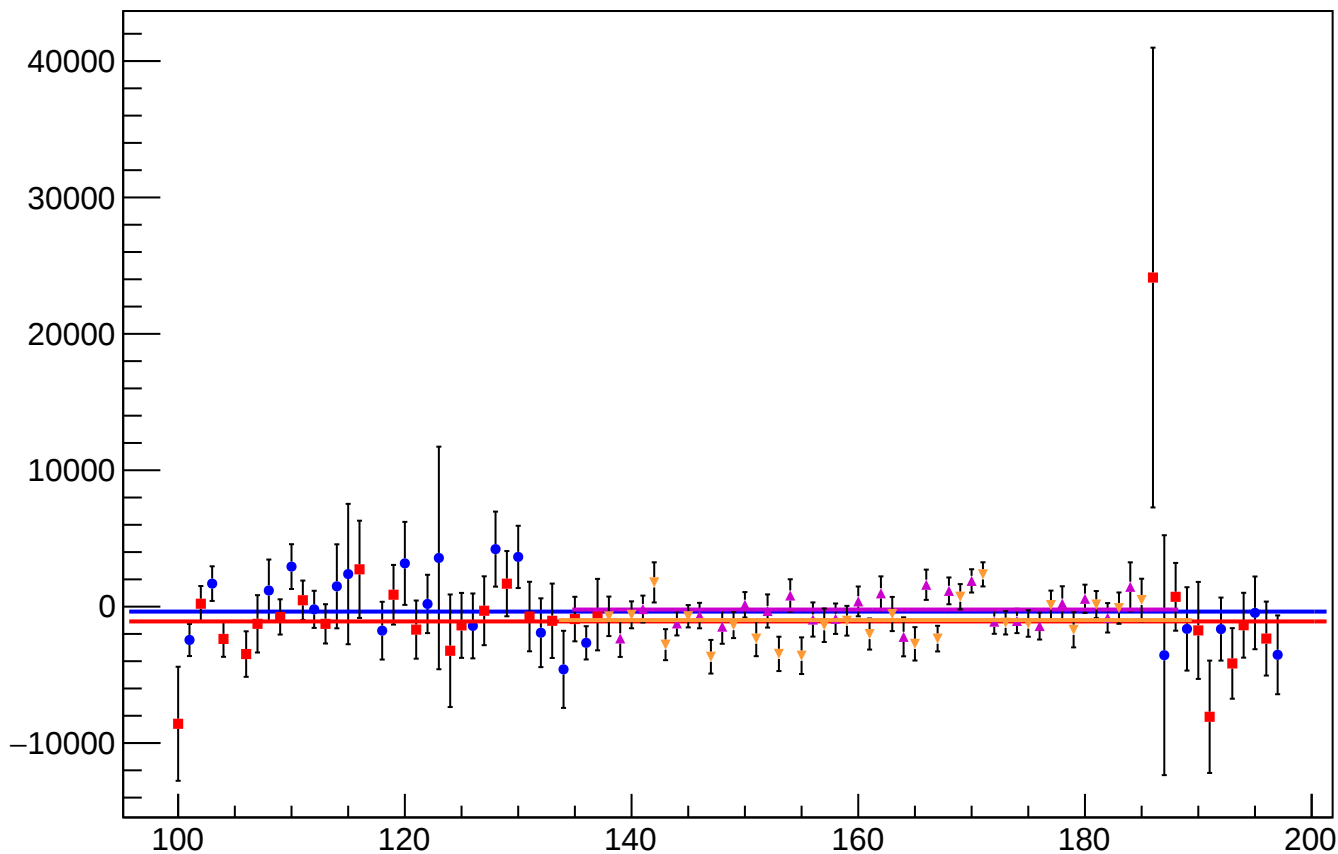
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 123.126 $\pm$ 0.017 χ^2 /NDF: 1601295.3/46

All: 123.065 $\pm$ 0.012 χ^2 /NDF: 3863062.1/95

- sign 123.004 $\pm$ 0.017 χ^2 /NDF: 2261739.7/48

asym_sam_48_dd_correction_mean vs Slug



Right In: -362.510 ± 439.468 χ^2/NDF : 27.0/21

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1084.620 ± 407.200 χ^2/NDF : 19.6/25

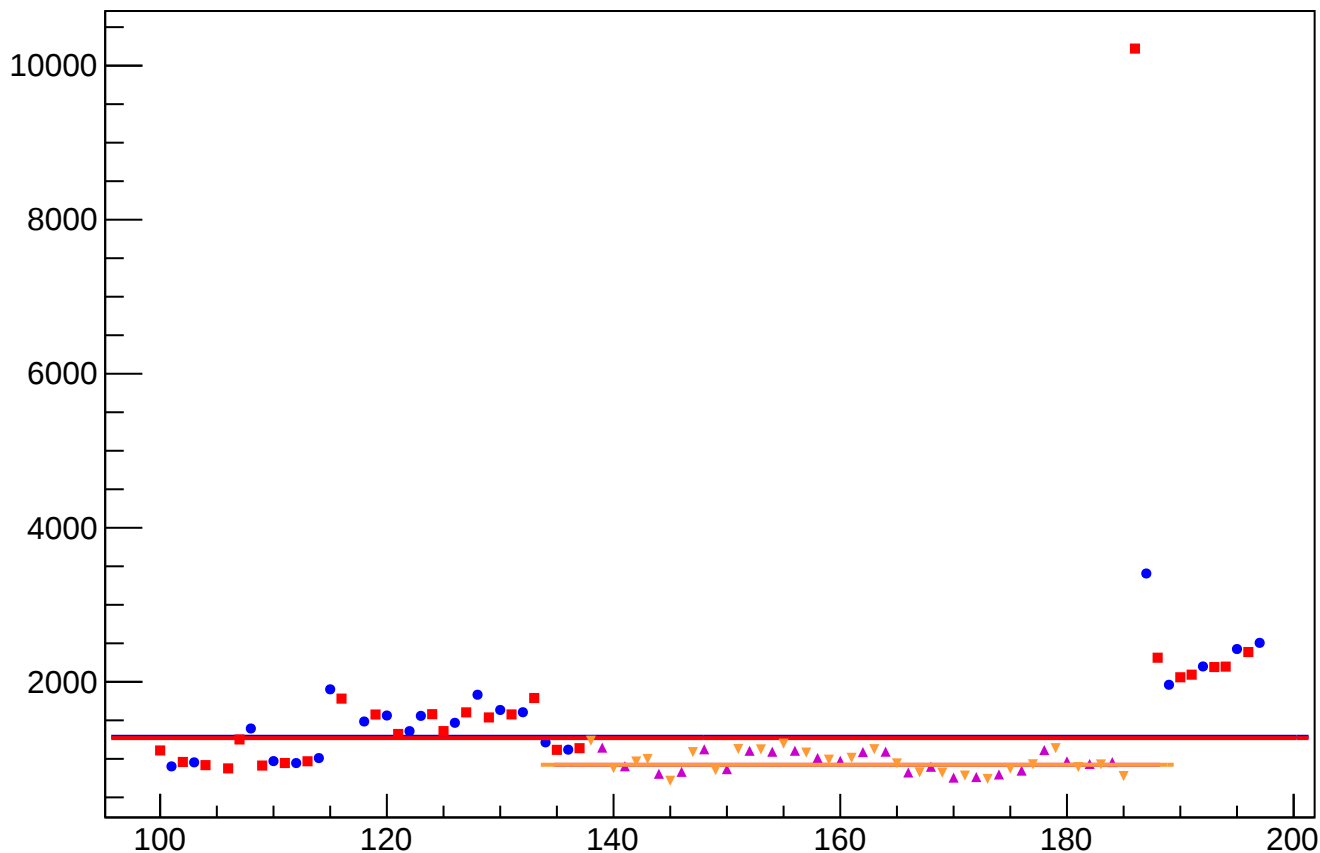
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -860.319 ± 195.308 χ^2/NDF : 75.8/46

All: -637.359 ± 138.274 χ^2/NDF : 127.2/95

- sign -413.294 ± 195.790 χ^2/NDF : 48.8/48

asym_sam_48_dd_correction_rms vs Slug



Right In: 1286.943 $\pm$ 0.311 χ^2 /NDF: 2092907.1/21

Left Out: 923.586 $\pm$ 0.154 χ^2 /NDF: 842758.6/24

Right Out: 1269.394 $\pm$ 0.288 χ^2 /NDF: 2987029.8/25

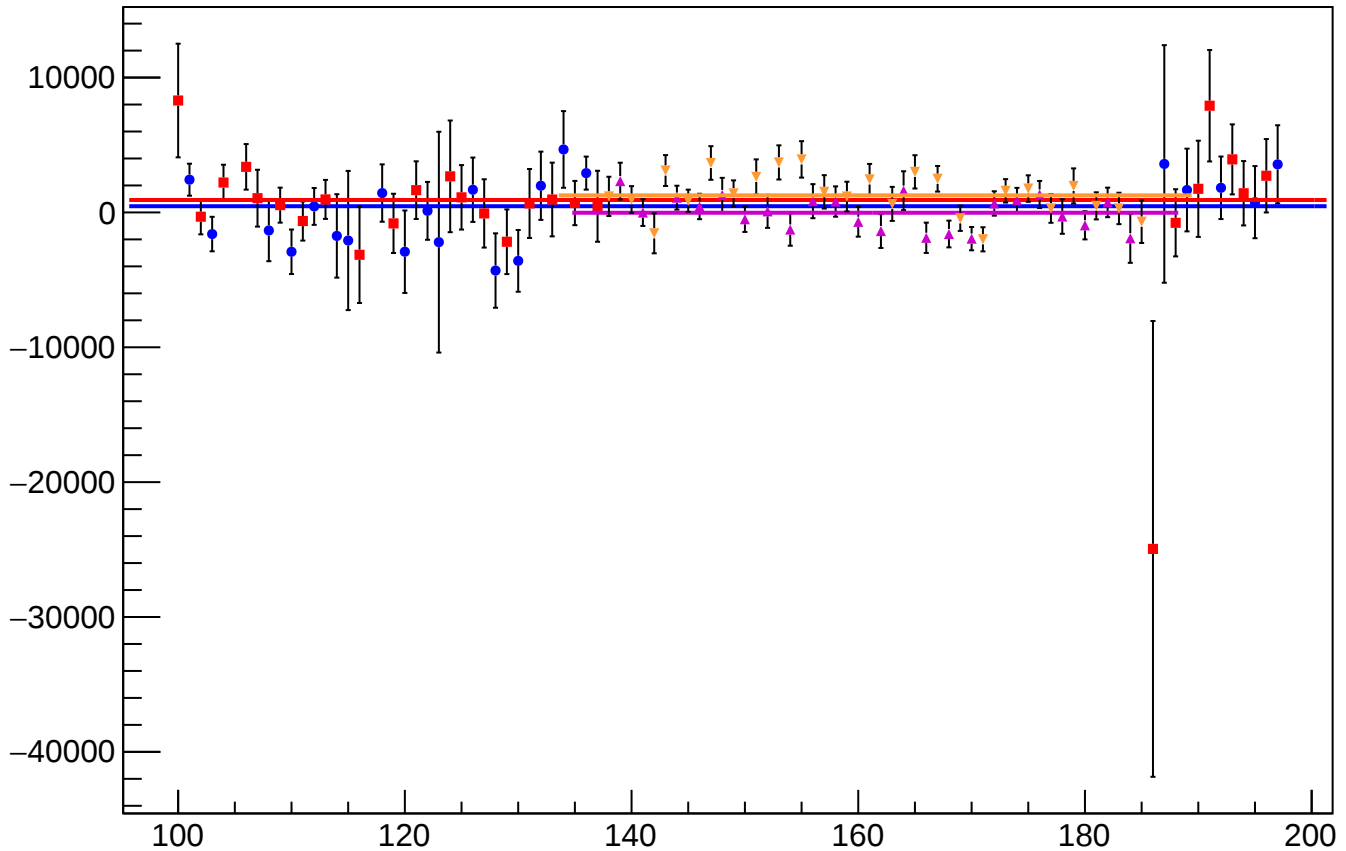
Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

+ sign 995.352 $\pm$ 0.138 χ^2 /NDF: 4032862.0/46

All: 998.918 $\pm$ 0.098 χ^2 /NDF: 8773482.2/95

- sign 1002.502 $\pm$ 0.138 χ^2 /NDF: 4739283.4/48

asym_sam_48_dd_mean vs Slug



Right In: 460.623 ± 441.540 χ^2/NDF : 27.2/21

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 922.931 ± 409.311 χ^2/NDF : 19.9/25

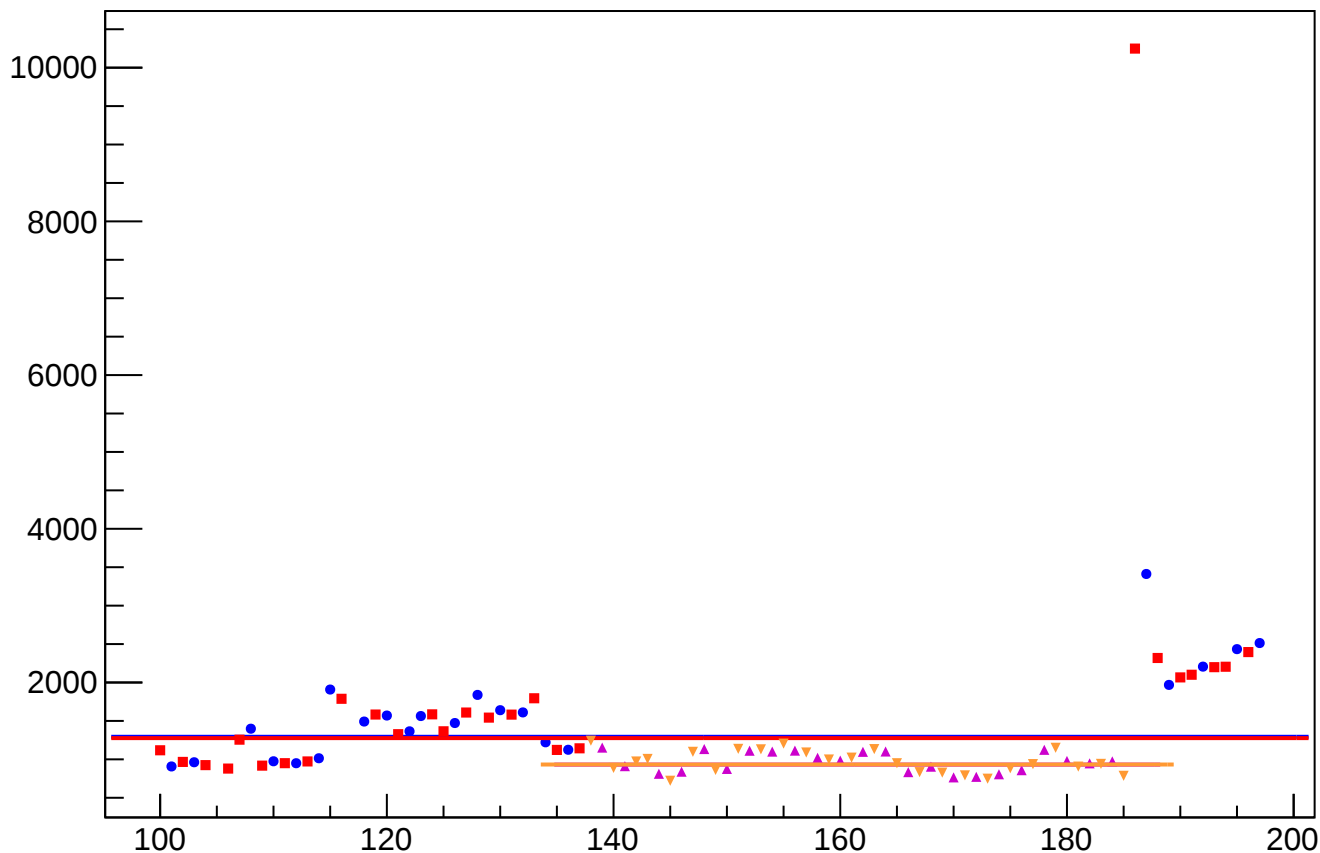
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1106.744 ± 197.007 χ^2/NDF : 74.8/46

All: 652.954 ± 139.480 χ^2/NDF : 136.7/95

- sign 196.876 ± 197.503 χ^2/NDF : 51.2/48

asym_sam_48_dd_rms vs Slug



Right In: 1293.494+/-0.312 χ^2/NDF : 2081326.5/21

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1276.205+/-0.289 χ^2/NDF : 2972464.1/25

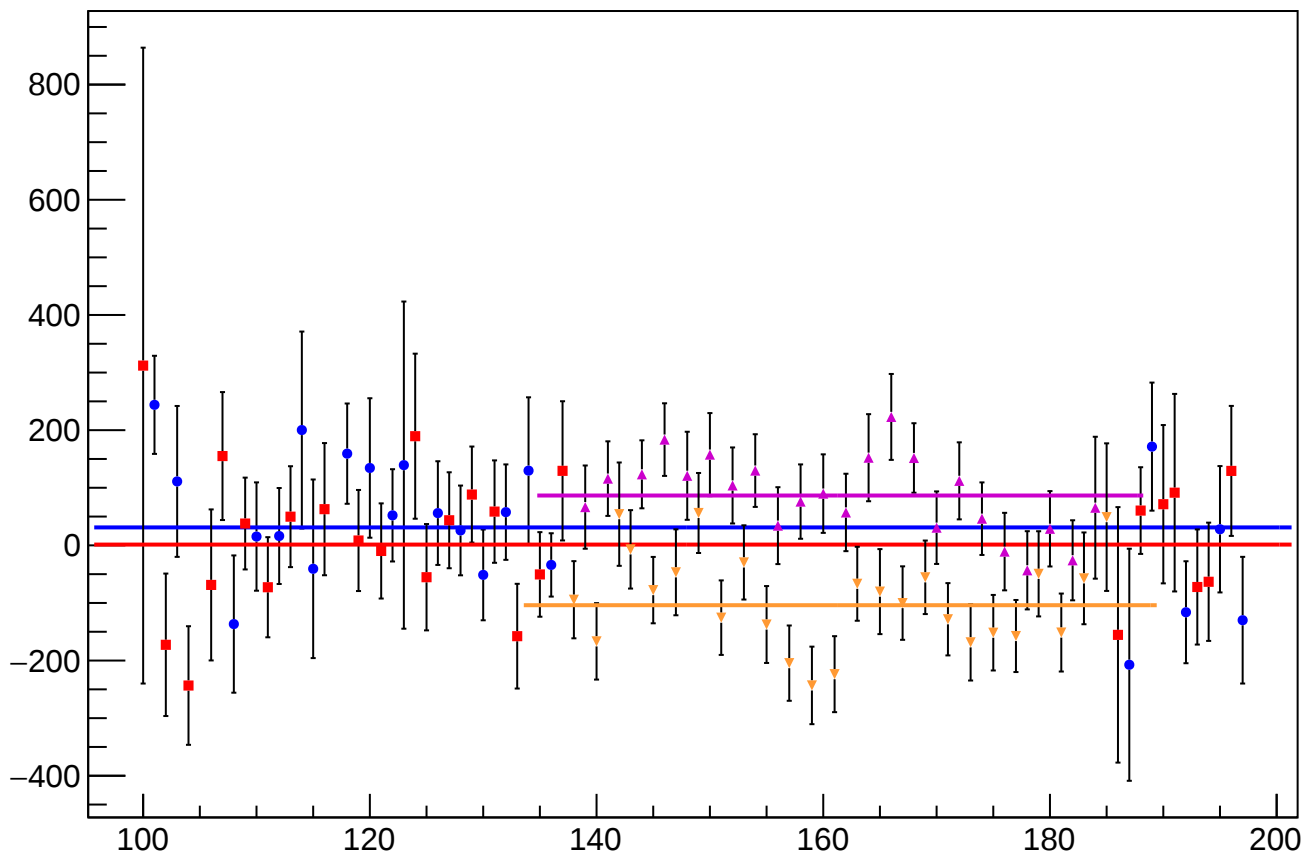
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 1004.577+/-0.139 χ^2/NDF : 3980291.7/46

All: 1008.156+/-0.099 χ^2/NDF : 8666765.5/95

- sign 1011.752+/-0.140 χ^2/NDF : 4685150.6/48

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 31.162 ± 20.610 χ^2/NDF : 24.1/21

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: 1.351 ± 19.658 χ^2/NDF : 24.1/25

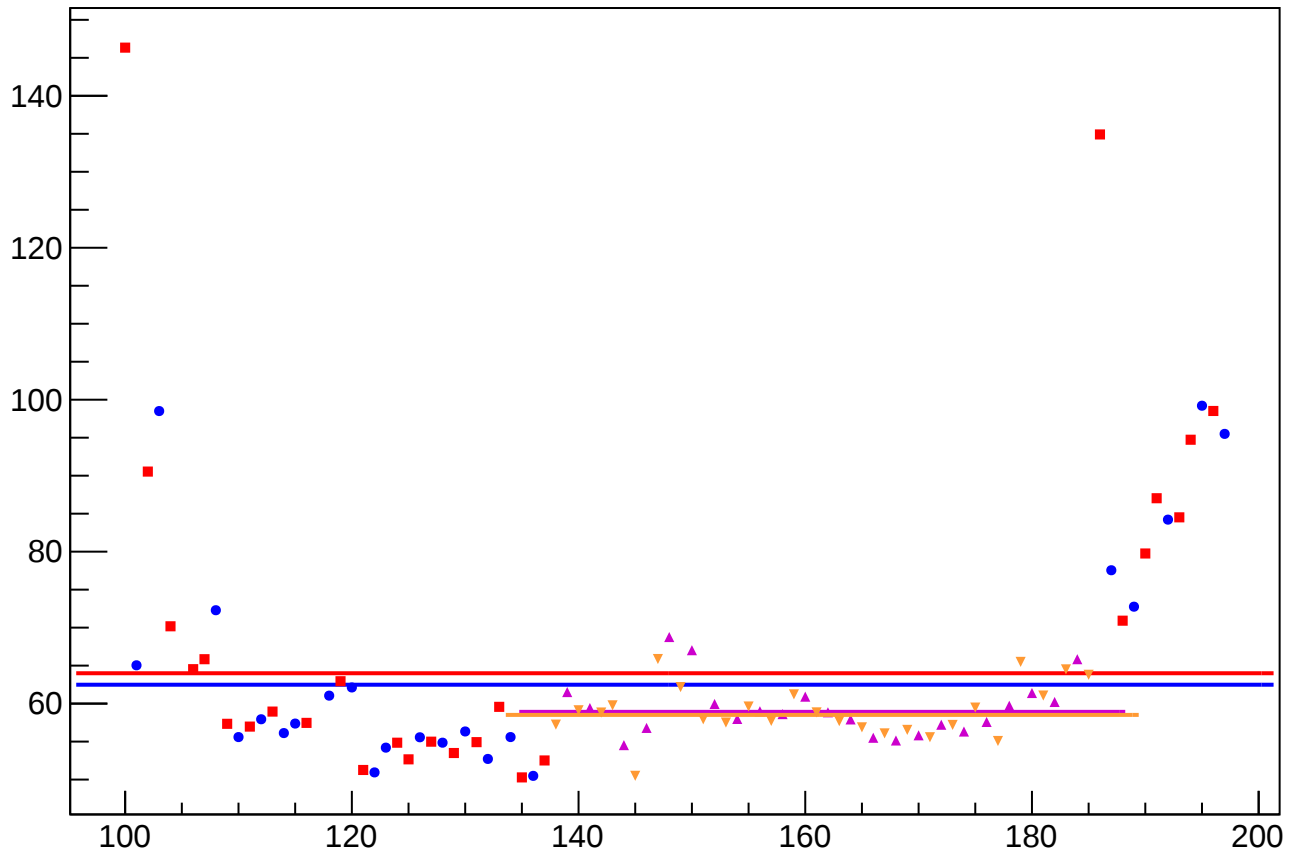
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -62.751 ± 11.376 χ^2/NDF : 84.0/46

All: -3.088 ± 8.076 χ^2/NDF : 197.3/95

- sign 57.549 ± 11.468 χ^2/NDF : 57.9/48

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 62.485 ± 0.015 $\chi^2/\text{NDF}: 957254.8/21$

Left Out: 58.513 ± 0.010 $\chi^2/\text{NDF}: 123221.6/24$

Right Out: 63.996 ± 0.014 $\chi^2/\text{NDF}: 1173582.8/25$

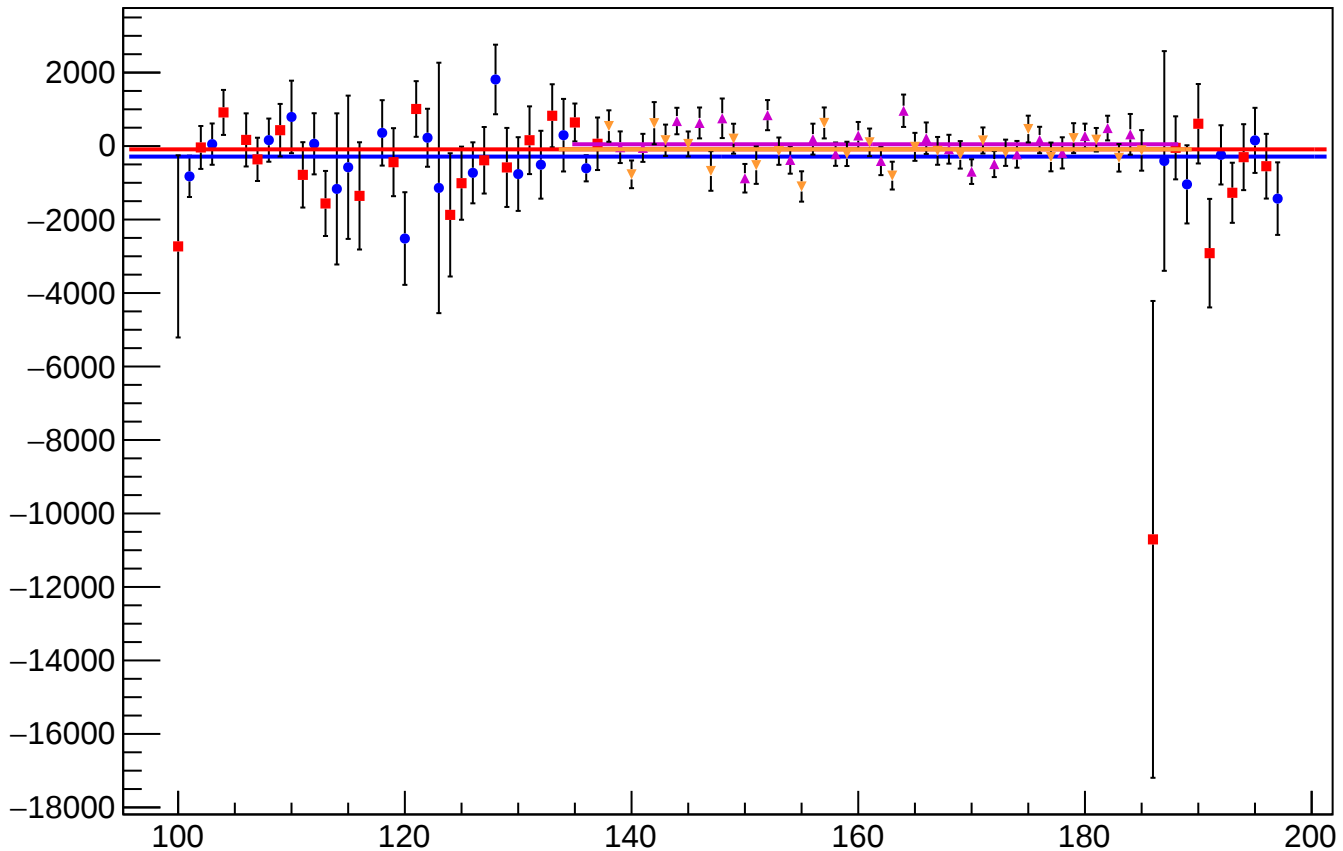
Left In: 58.913 ± 0.010 $\chi^2/\text{NDF}: 109968.0/22$

+ sign 59.723 ± 0.008 $\chi^2/\text{NDF}: 1132126.2/46$

All: 60.179 ± 0.006 $\chi^2/\text{NDF}: 2510359.8/95$

- sign 60.643 ± 0.008 $\chi^2/\text{NDF}: 1371744.0/48$

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -286.618 ± 170.898 χ^2/NDF : 16.3/21

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -89.535 ± 164.705 χ^2/NDF : 25.8/25

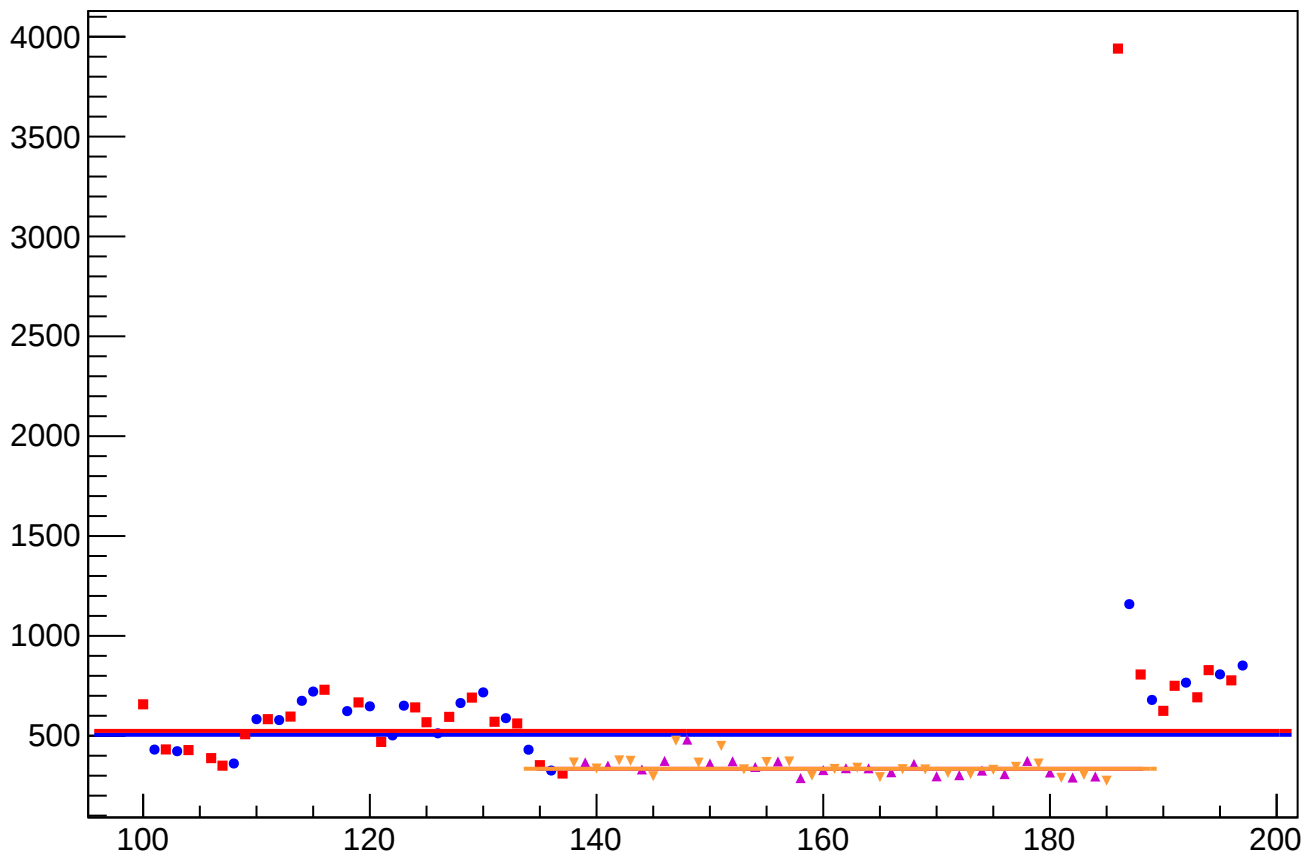
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -122.200 ± 71.377 χ^2/NDF : 45.2/46

All: -51.058 ± 50.814 χ^2/NDF : 108.9/95

- sign 22.054 ± 72.358 χ^2/NDF : 61.7/48

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 504.829+/-0.121 χ^2/NDF : 1846257.0/21

Left Out: 334.749+/-0.056 χ^2/NDF : 491370.4/24

+ sign 364.417+/-0.050 χ^2/NDF : 3973001.0/46

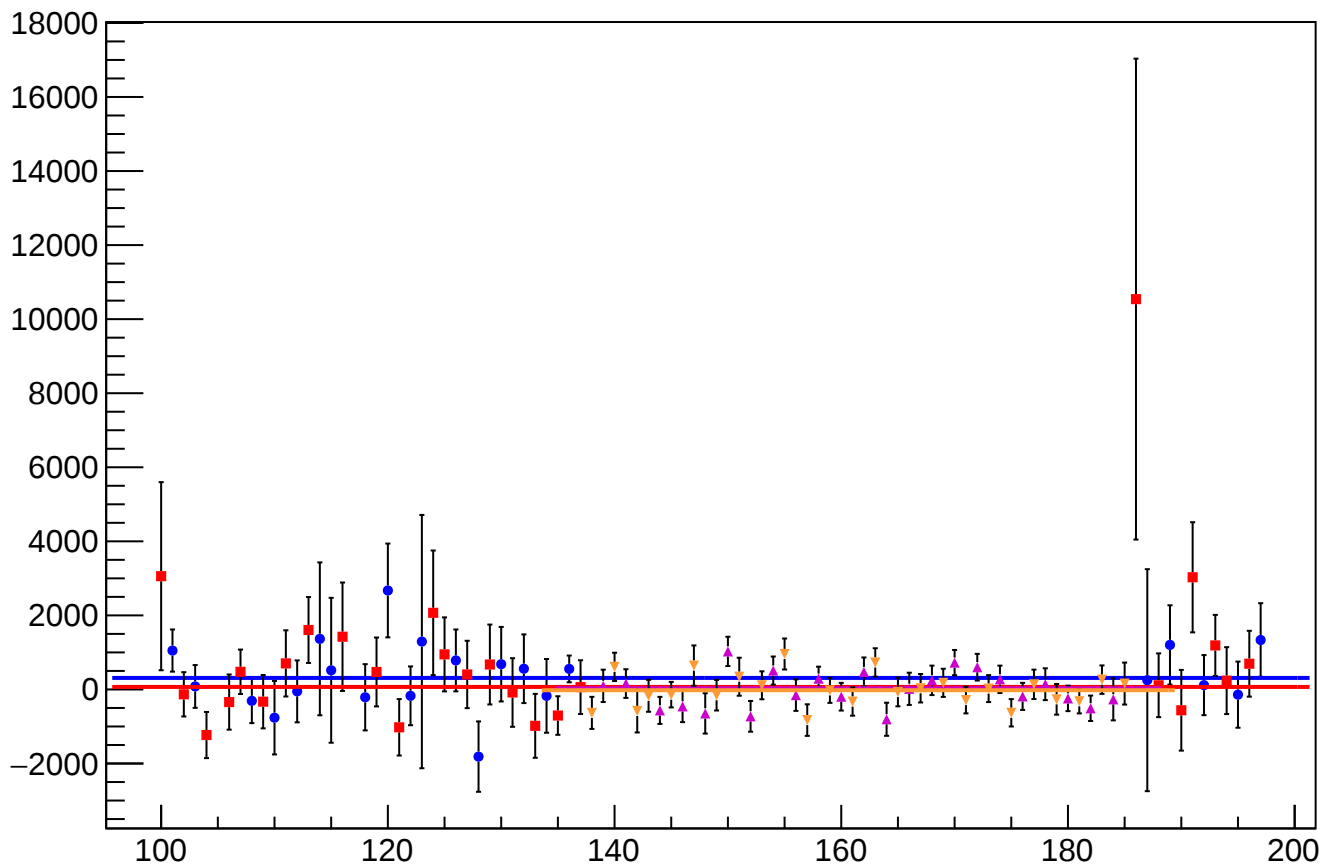
Right Out: 524.186+/-0.116 χ^2/NDF : 2269508.5/25

All: 367.577+/-0.036 χ^2/NDF : 8796356.5/95

Left In: 334.147+/-0.057 χ^2/NDF : 397200.6/22

- sign 370.825+/-0.051 χ^2/NDF : 4815406.7/48

asym_sam_13_57_dd_mean vs Slug



Right In: 311.430 ± 172.791 $\chi^2/\text{NDF}: 17.1/21$

Left Out: -20.895 ± 79.812 $\chi^2/\text{NDF}: 27.2/24$

Right Out: 67.860 ± 166.579 $\chi^2/\text{NDF}: 29.1/25$

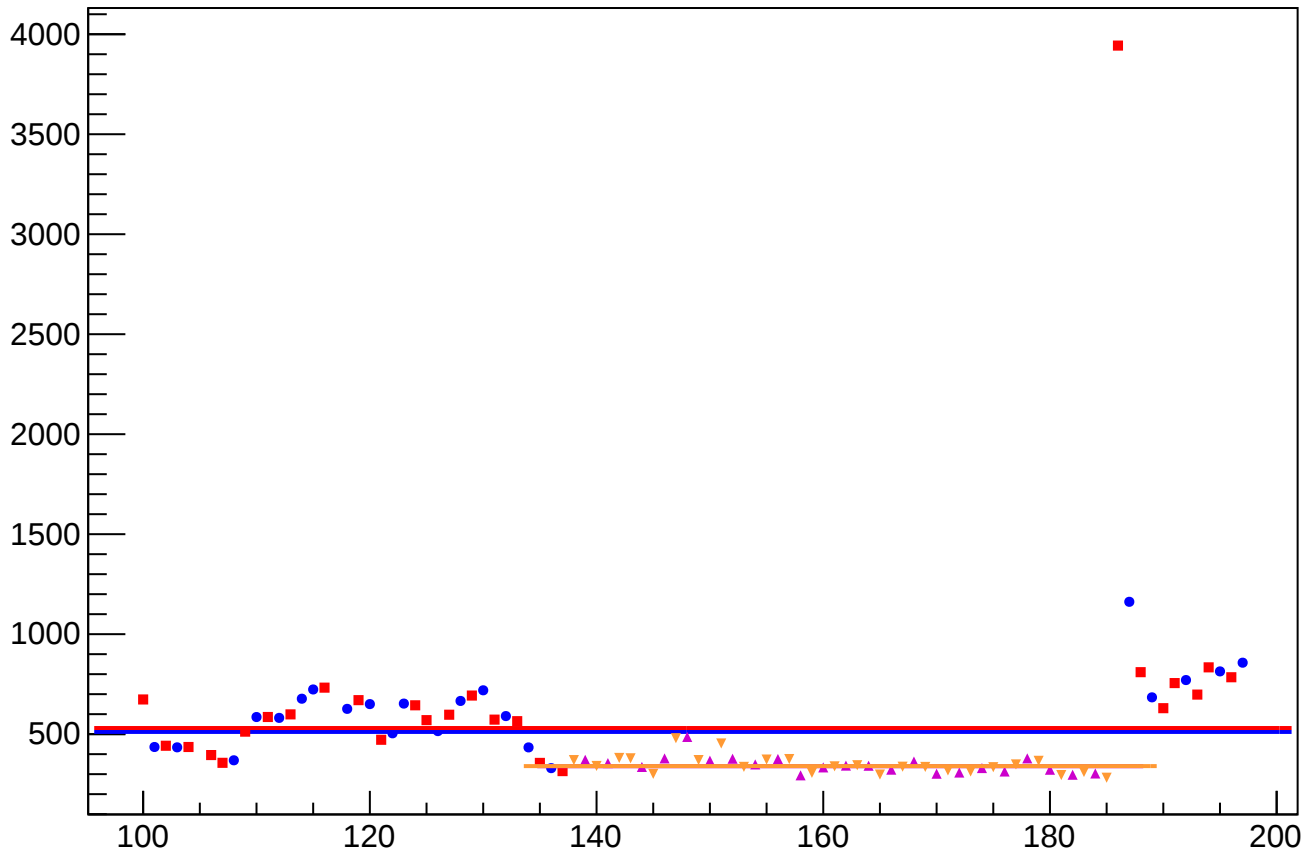
Left In: 31.800 ± 81.839 $\chi^2/\text{NDF}: 34.0/22$

+ sign 37.539 ± 72.456 $\chi^2/\text{NDF}: 47.3/46$

All: 38.167 ± 51.583 $\chi^2/\text{NDF}: 110.6/95$

- sign 38.811 ± 73.453 $\chi^2/\text{NDF}: 63.2/48$

asym_sam_13_57_dd_rms vs Slug



Right In: 511.170 $\pm$ 0.122 χ^2 /NDF: 1797777.0/21

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 530.705 $\pm$ 0.118 χ^2 /NDF: 2218760.7/25

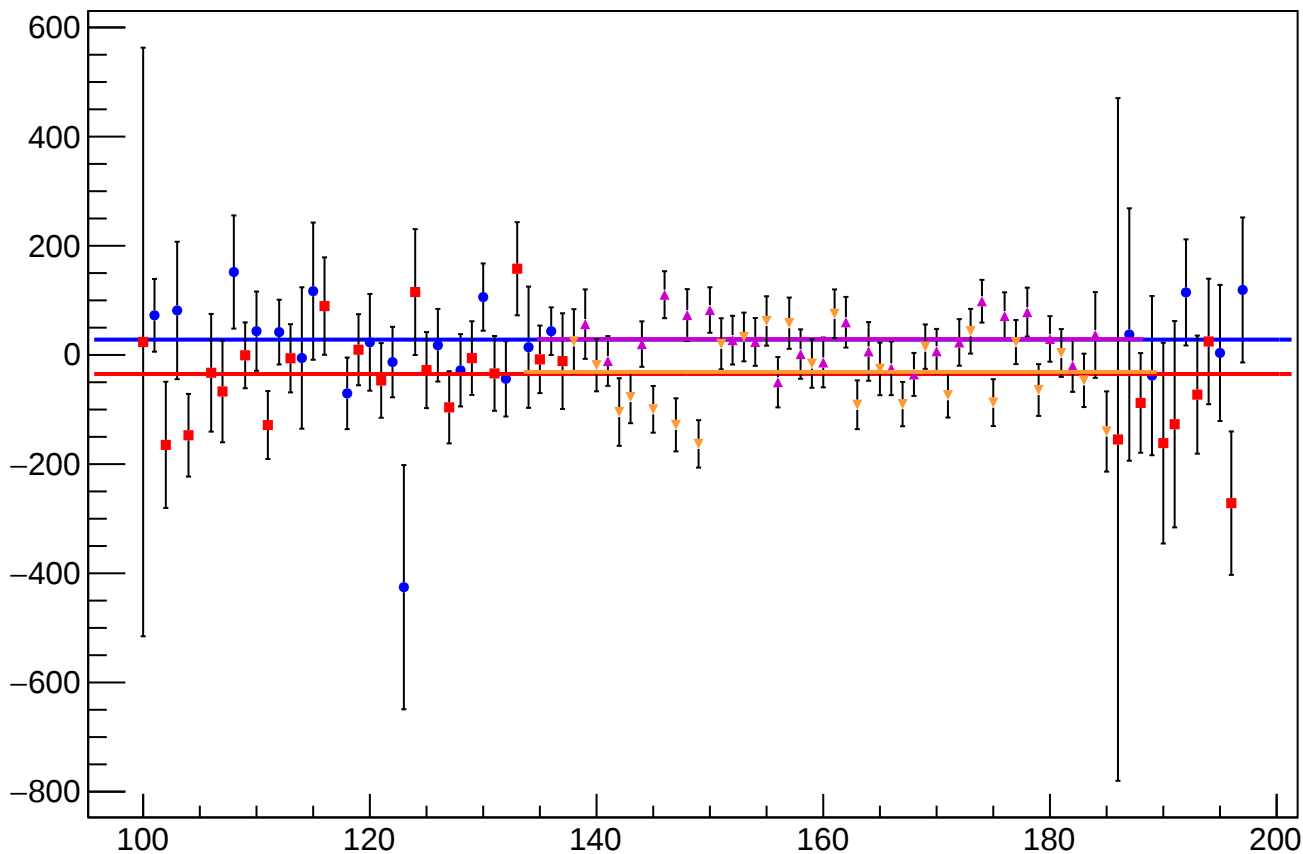
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 370.294 $\pm$ 0.051 χ^2 /NDF: 3879705.0/46

All: 373.490 $\pm$ 0.036 χ^2 /NDF: 8606153.3/95

- sign 376.775 $\pm$ 0.052 χ^2 /NDF: 4718555.9/48

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 28.109 ± 17.091 χ^2/NDF : 14.6/21

Left Out: -31.063 ± 9.170 χ^2/NDF : 52.6/24

Right Out: -34.829 ± 16.465 χ^2/NDF : 21.7/25

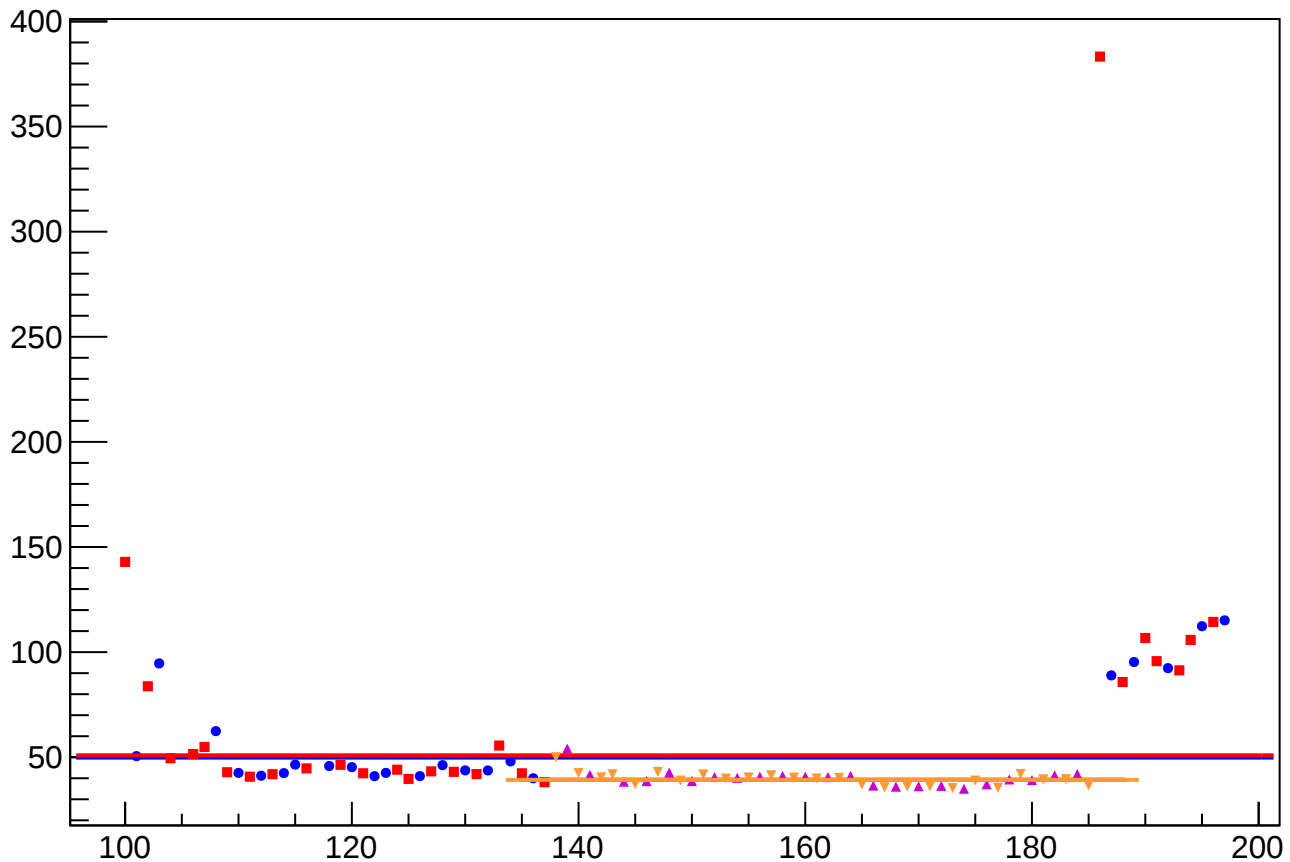
Left In: 29.055 ± 9.449 χ^2/NDF : 22.4/22

+ sign -17.837 ± 8.080 χ^2/NDF : 76.5/46

All: -2.525 ± 5.754 χ^2/NDF : 139.2/95

- sign 13.228 ± 8.196 χ^2/NDF : 55.4/48

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 49.831+/-0.012 χ^2/NDF : 2204350.1/21

Left Out: 39.235+/-0.006 χ^2/NDF : 201960.7/24

Right Out: 50.914+/-0.012 χ^2/NDF : 2993470.0/25

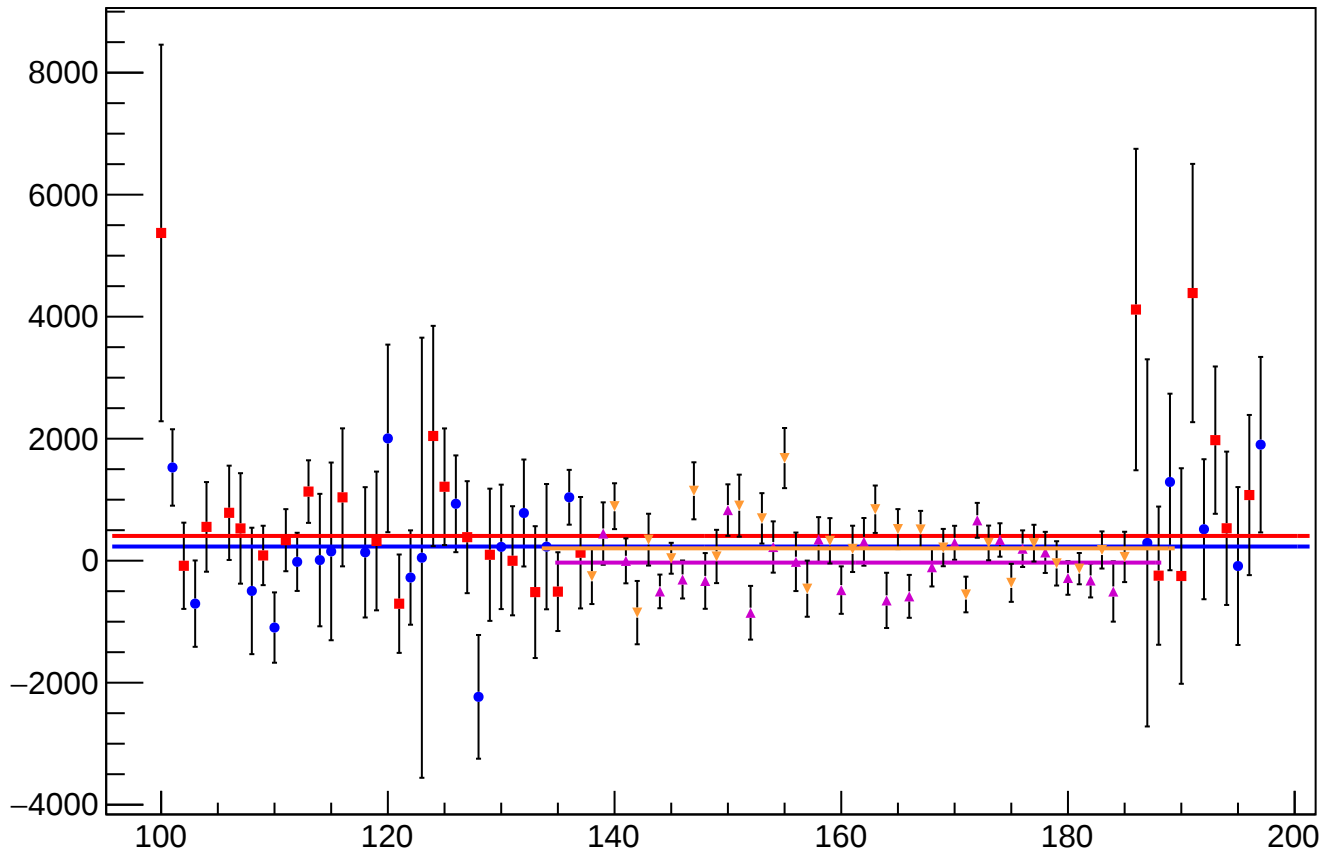
Left In: 39.338+/-0.007 χ^2/NDF : 215671.3/22

+ sign 41.603+/-0.006 χ^2/NDF : 3003184.7/46

All: 41.901+/-0.004 χ^2/NDF : 6961449.3/95

- sign 42.206+/-0.006 χ^2/NDF : 3952774.6/48

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 232.099 ± 181.340 χ^2/NDF : 26.2/21

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 405.714 ± 170.657 χ^2/NDF : 20.6/25

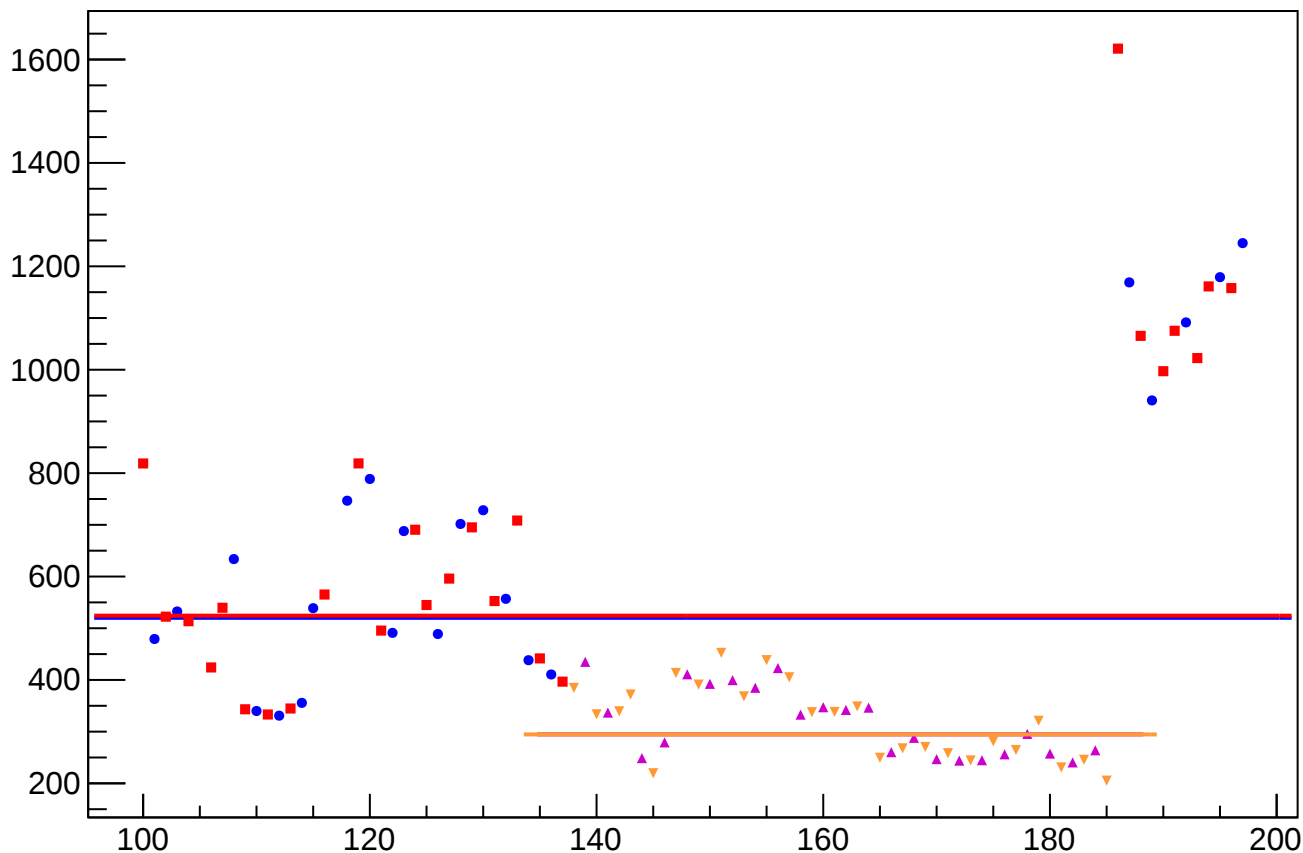
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 206.266 ± 65.649 χ^2/NDF : 71.1/46

All: 121.469 ± 46.690 χ^2/NDF : 134.0/95

- sign 34.679 ± 66.416 χ^2/NDF : 59.6/48

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 520.191 $\pm$ 0.128 χ^2 /NDF: 2817680.2/21

Left Out: 294.591 $\pm$ 0.050 χ^2 /NDF:1680474.5/24

Right Out: 524.347 $\pm$ 0.121 χ^2 /NDF: 3609263.9/25

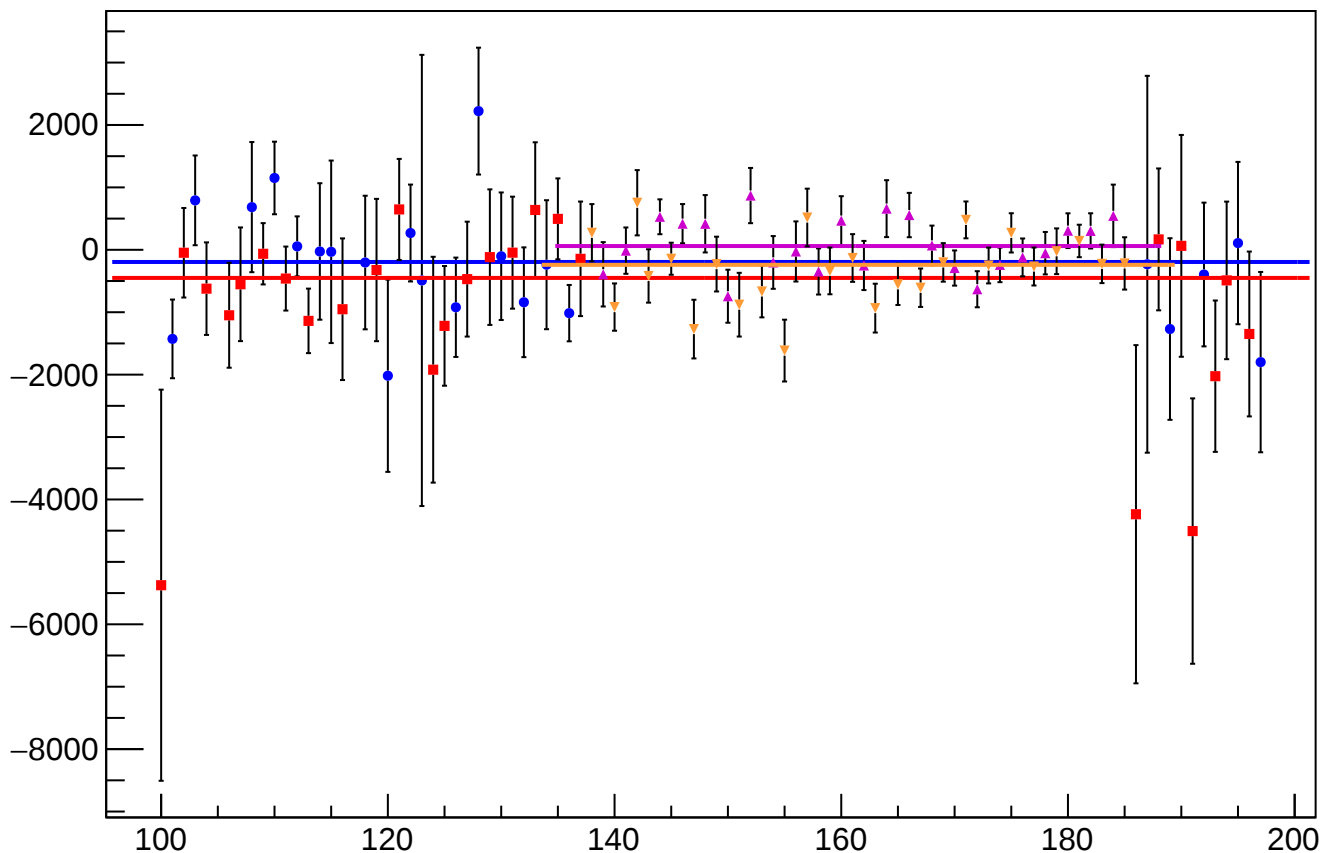
Left In: 294.722 $\pm$ 0.051 χ^2 /NDF:1297310.3/22

+ sign 324.158 $\pm$ 0.046 χ^2 /NDF: 7187885.9/46

All: 326.799 $\pm$ 0.033 χ^2 /NDF: 15173527.6/95

- sign 329.501 $\pm$ 0.047 χ^2 /NDF: 7979096.2/48

asym_sam_15_37_dd_mean vs Slug



Right In: -194.825 ± 182.439 χ^2/NDF : 26.0/21

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -450.338 ± 172.362 χ^2/NDF : 20.8/25

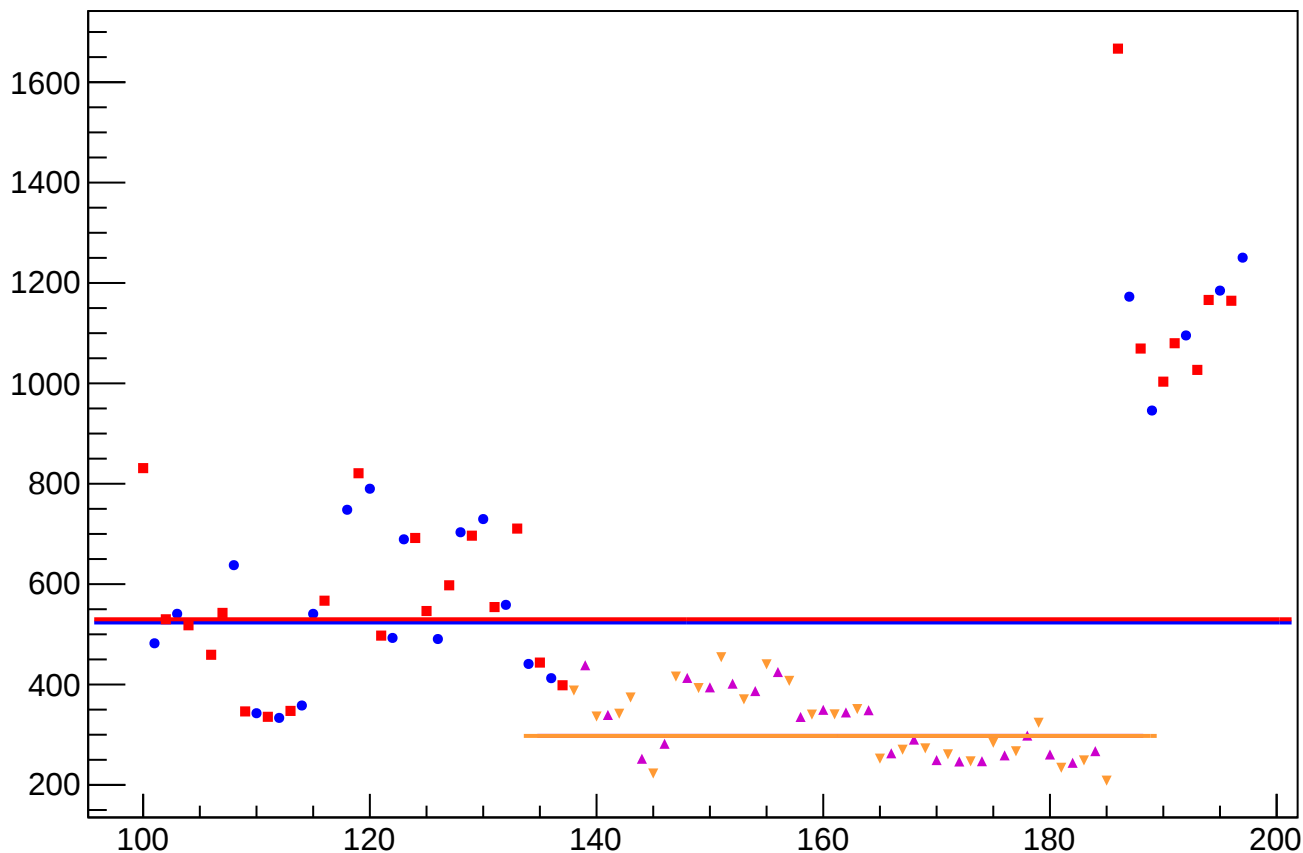
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -234.353 ± 66.247 χ^2/NDF : 69.0/46

All: -126.971 ± 47.127 χ^2/NDF : 133.5/95

- sign -16.957 ± 67.054 χ^2/NDF : 59.1/48

asym_sam_15_37_dd_rms vs Slug



Right In: 523.595 $\pm$ 0.129 χ^2 /NDF: 2802789.4/21

Left Out: 297.613 $\pm$ 0.050 χ^2 /NDF: 1637757.8/24

Right Out: 529.984 $\pm$ 0.122 χ^2 /NDF: 3577115.1/25

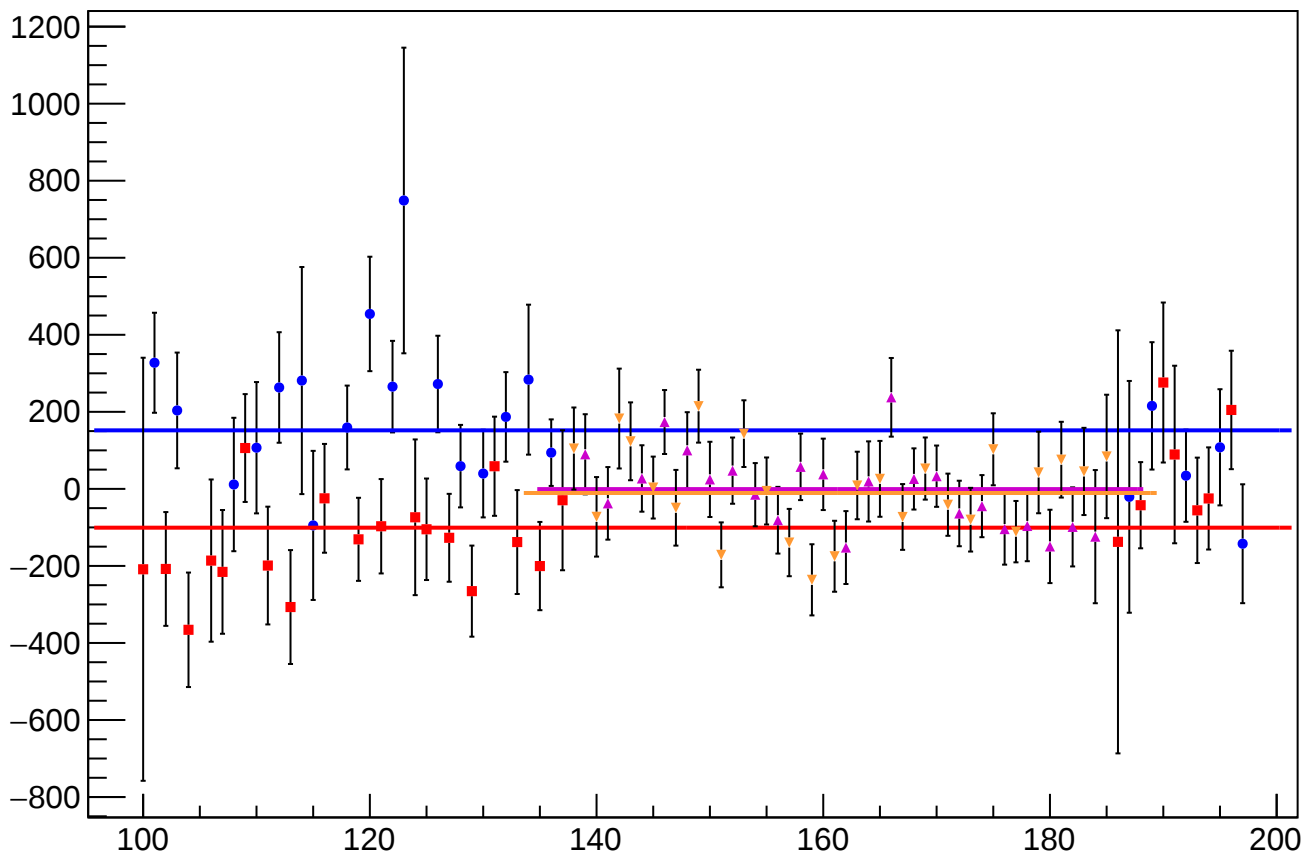
Left In: 297.699 $\pm$ 0.051 χ^2 /NDF: 1266306.2/22

+ sign 327.410 $\pm$ 0.047 χ^2 /NDF: 7104551.1/46

All: 330.099 $\pm$ 0.033 χ^2 /NDF: 15037252.8/95

- sign 332.854 $\pm$ 0.047 χ^2 /NDF: 7926029.9/48

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 151.946 $\pm$ 29.734 χ^2 /NDF: 21.2/21

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF: 36.3/24

Right Out: -100.730 $\pm$ 28.534 χ^2 /NDF: 22.5/25

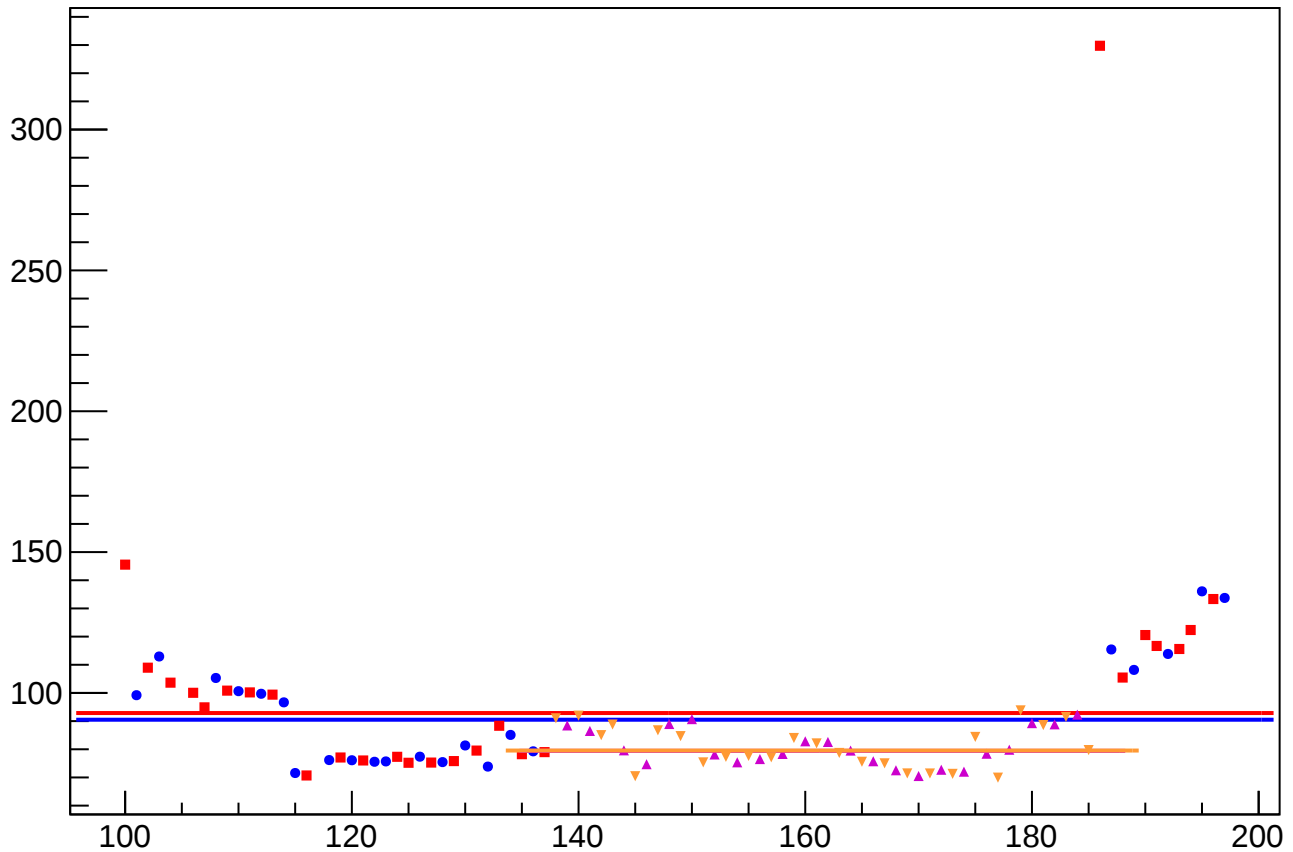
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF: 23.8/22

+ sign 35.102 $\pm$ 15.775 χ^2 /NDF: 79.1/46

All: 1.973 $\pm$ 11.187 χ^2 /NDF: 142.7/95

- sign -31.546 $\pm$ 15.867 χ^2 /NDF: 54.8/48

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 90.492+/-0.021 χ^2/NDF : 794296.0/21

Left Out: 79.551+/-0.013 χ^2/NDF : 309075.2/24

Right Out: 92.866+/-0.020 χ^2/NDF : 1152041.3/25

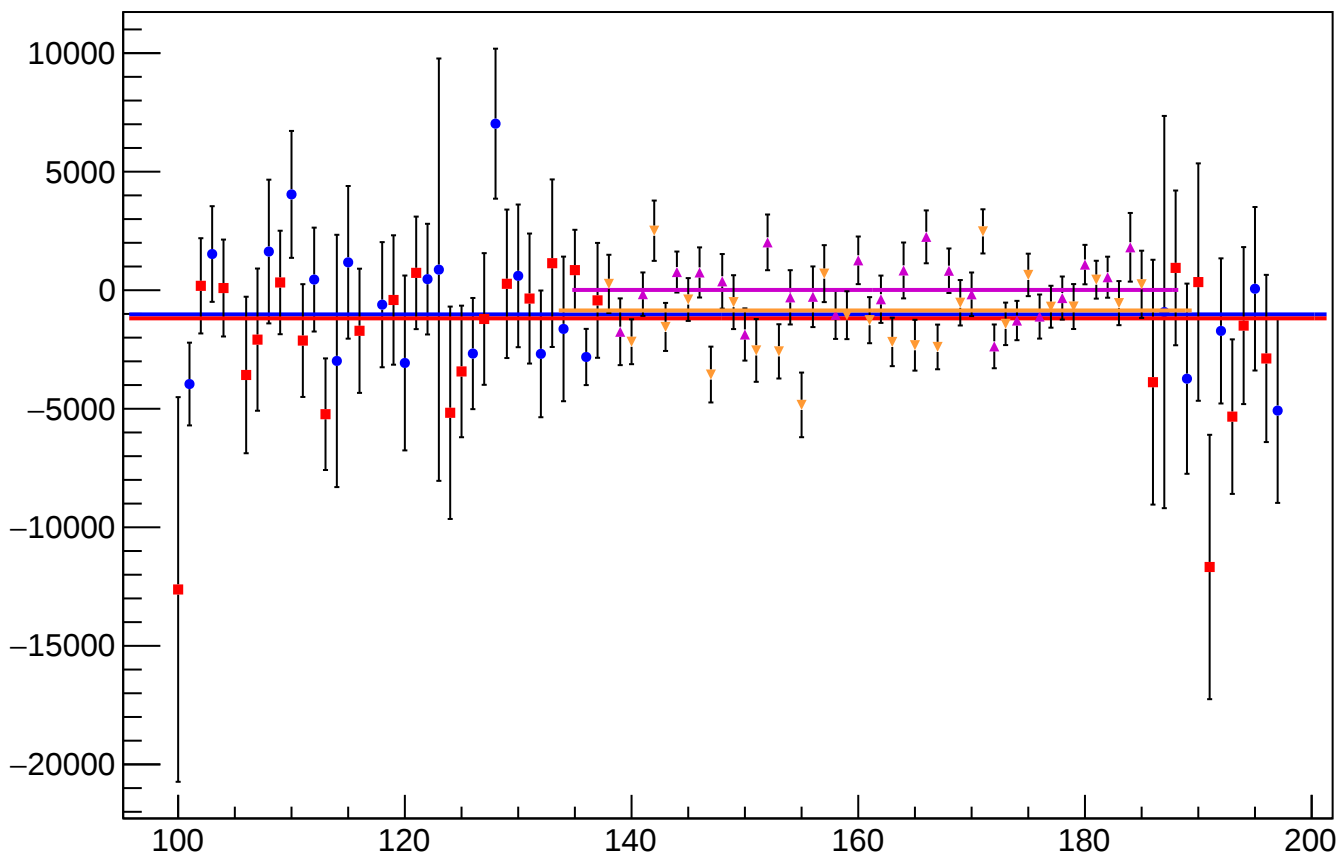
Left In: 79.436+/-0.013 χ^2/NDF : 212440.1/22

+ sign 82.630+/-0.011 χ^2/NDF : 1297945.2/46

All: 83.107+/-0.008 χ^2/NDF : 2972138.5/95

- sign 83.589+/-0.011 χ^2/NDF : 1670520.0/48

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1020.553 $\pm$ 553.799 χ^2/NDF : 22.3/21

Left Out: -854.130 $\pm$ 204.090 χ^2/NDF : 56.0/24

Right Out: -1186.985 $\pm$ 547.160 χ^2/NDF : 17.7/25

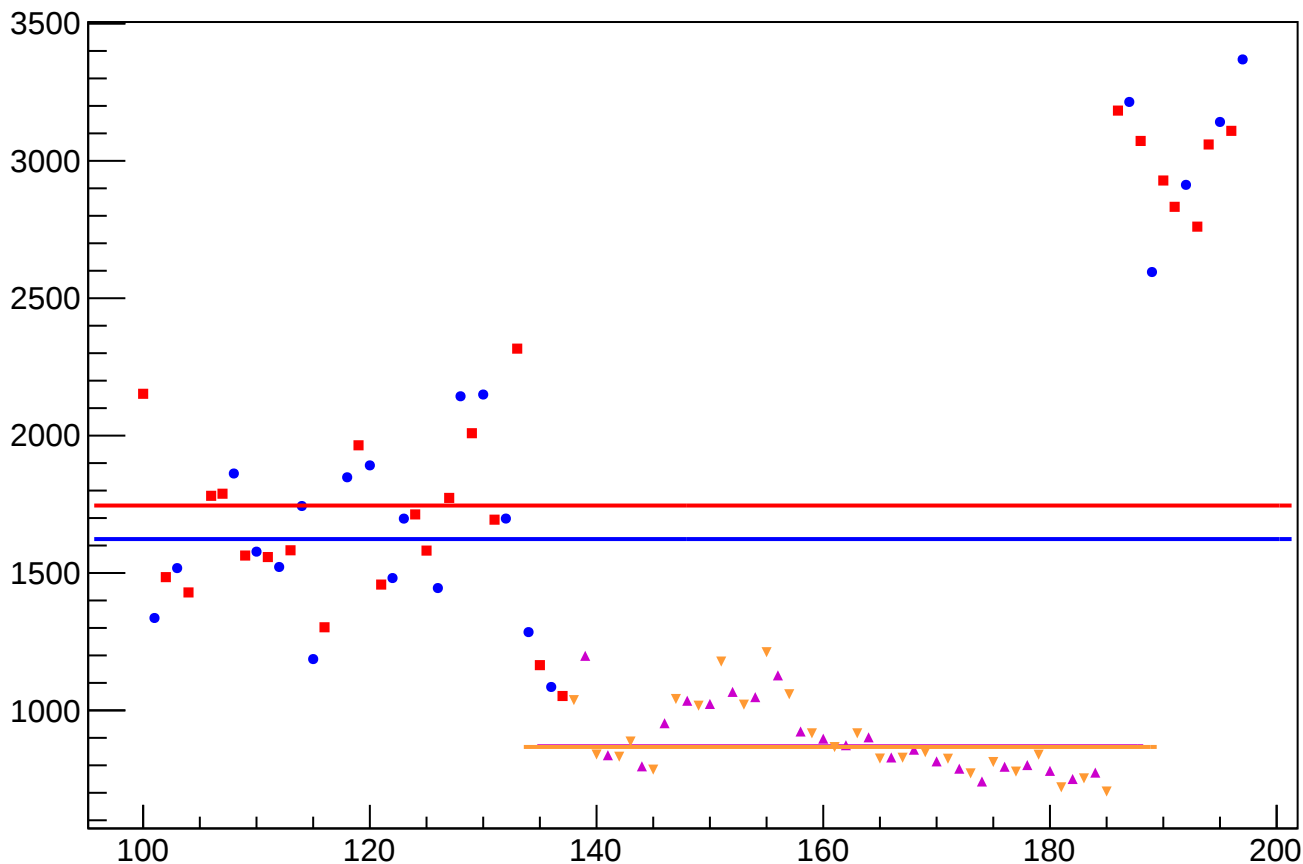
Left In: 11.687 $\pm$ 210.073 χ^2/NDF : 31.2/22

+ sign -874.029 $\pm$ 191.500 χ^2/NDF : 78.3/46

All: -516.878 $\pm$ 137.014 χ^2/NDF : 138.6/95

- sign -142.304 $\pm$ 196.116 χ^2/NDF : 53.1/48

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1623.477+/-0.392 χ^2/NDF : 2048429.6/21

Left Out: 866.893+/-0.144 χ^2/NDF : 661712.5/24

Right Out: 1745.542+/-0.387 χ^2/NDF : 2175625.5/25

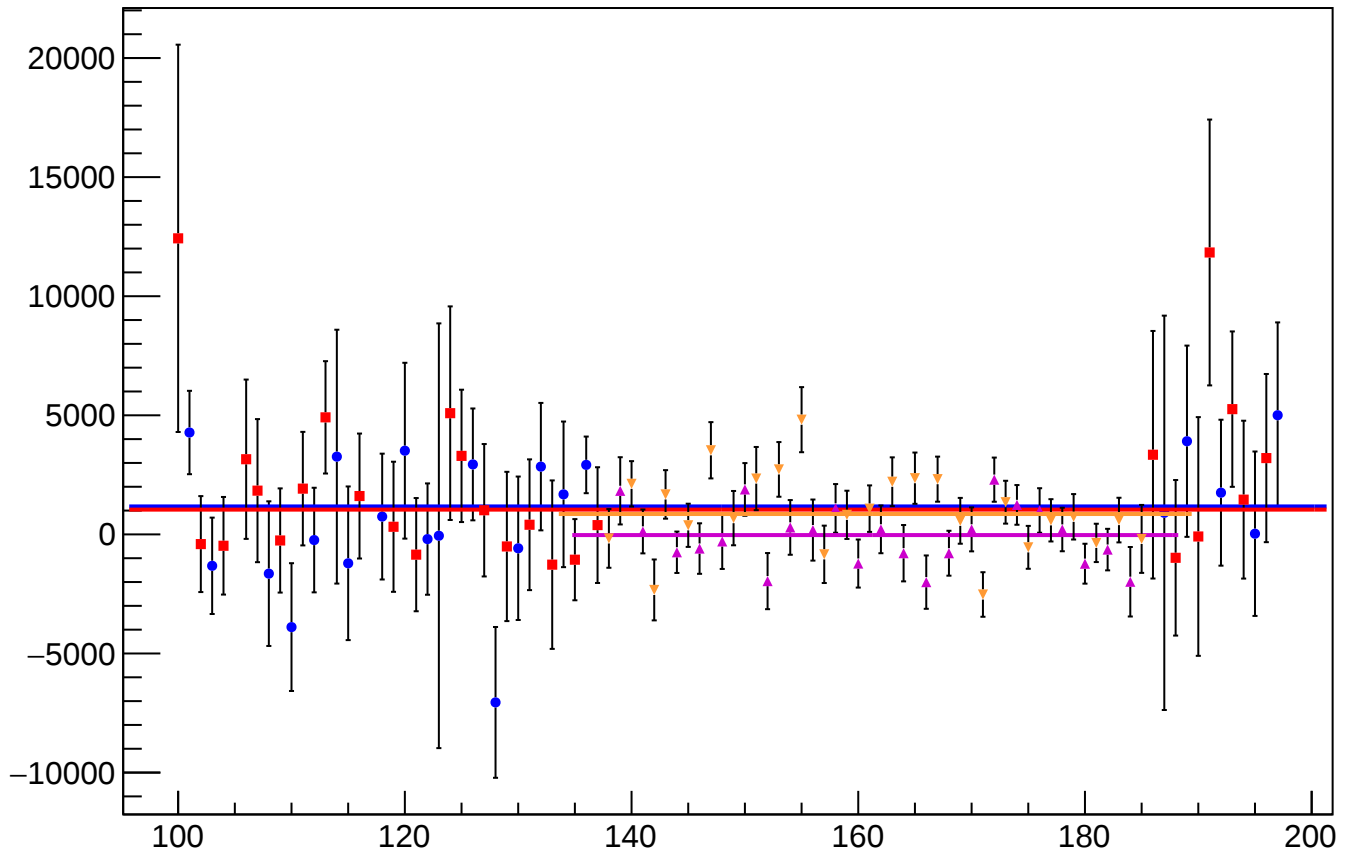
Left In: 869.569+/-0.149 χ^2/NDF : 582301.2/22

+ sign 957.360+/-0.135 χ^2/NDF : 5996636.1/46

All: 969.437+/-0.097 χ^2/NDF : 13238377.7/95

- sign 982.103+/-0.139 χ^2/NDF : 7225444.5/48

asym_sam_24_68_dd_mean vs Slug



Right In: 1174.051 $\pm$ 554.880 χ^2 /NDF: 22.8/21

Left Out: 855.664 $\pm$ 205.047 χ^2 /NDF: 54.1/24

Right Out: 1039.919 $\pm$ 548.315 χ^2 /NDF: 17.7/25

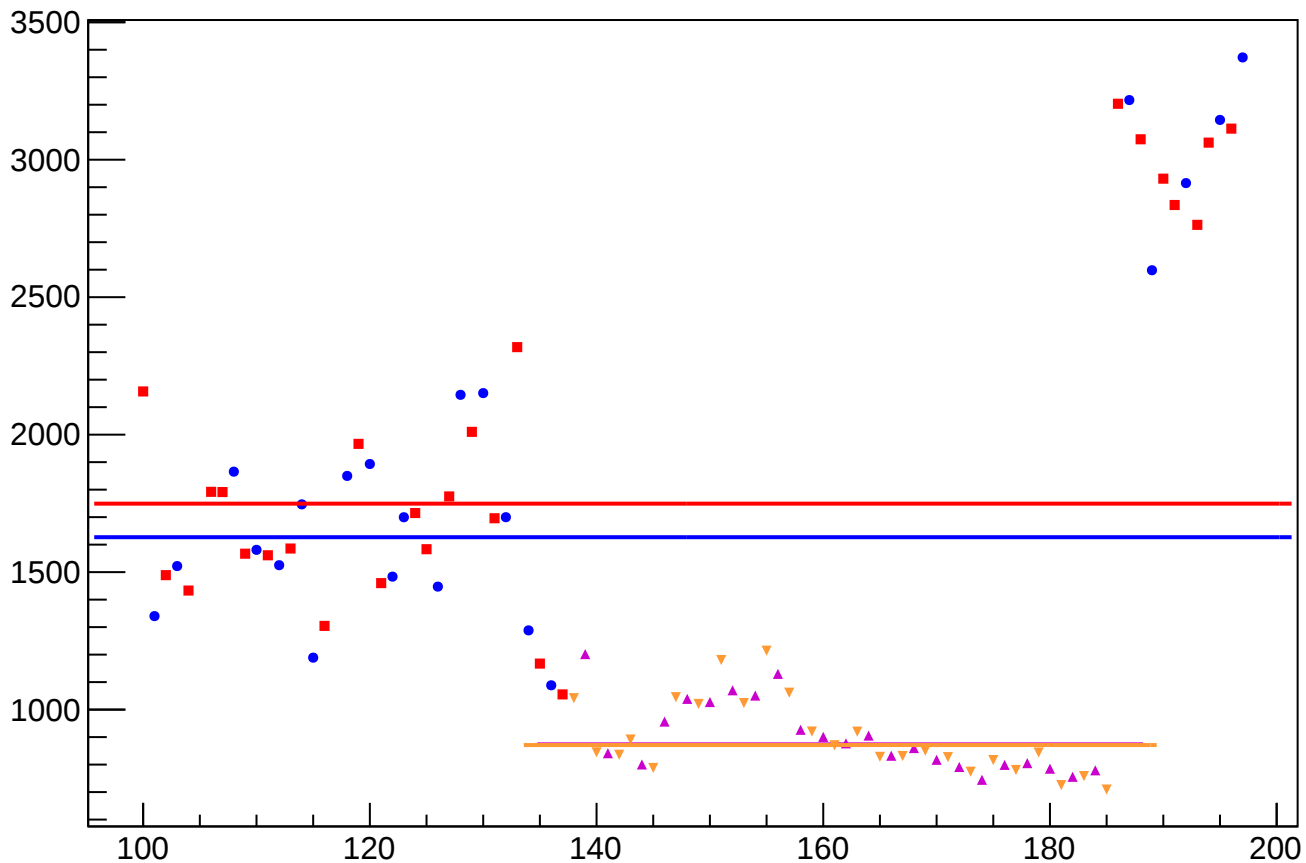
Left In: -28.553 $\pm$ 211.034 χ^2 /NDF: 29.7/22

+ sign 893.918 $\pm$ 192.335 χ^2 /NDF: 77.1/46

All: 510.910 $\pm$ 137.604 χ^2 /NDF: 136.0/95

- sign 109.300 $\pm$ 196.950 χ^2 /NDF: 50.7/48

asym_sam_24_68_dd_rms vs Slug



Right In: 1627.028+/-0.392 χ^2/NDF : 2040978.9/21

Left Out: 871.109+/-0.145 χ^2/NDF : 651751.1/24

Right Out: 1749.098+/-0.388 χ^2/NDF : 2171005.3/25

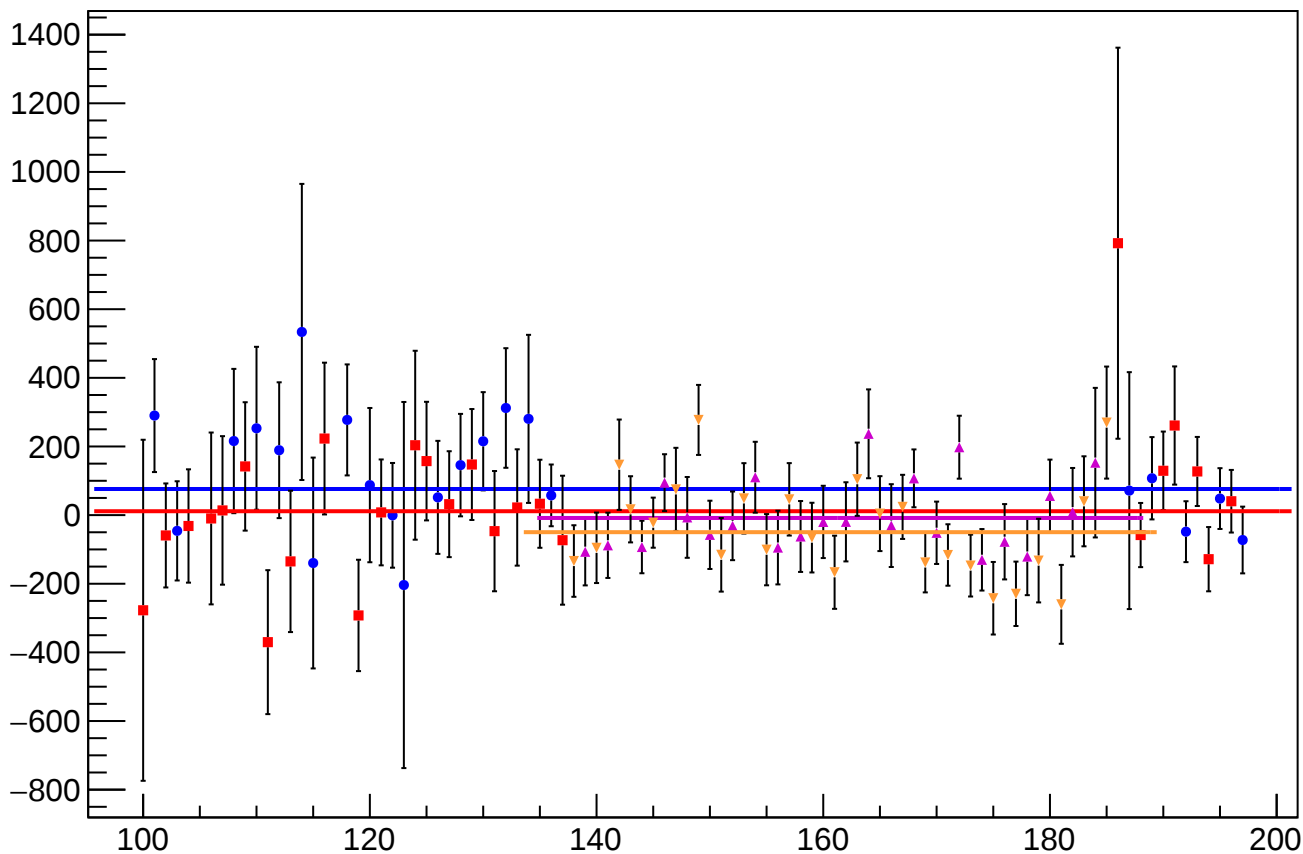
Left In: 873.675+/-0.149 χ^2/NDF : 573822.5/22

+ sign 961.931+/-0.136 χ^2/NDF : 5958550.5/46

All: 973.983+/-0.097 χ^2/NDF : 13159781.8/95

- sign 986.621+/-0.139 χ^2/NDF : 7185143.9/48

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 76.099 ± 31.416 χ^2/NDF : 15.7/21

Left Out: -49.717 ± 20.580 χ^2/NDF : 39.4/24

Right Out: 11.311 ± 29.605 χ^2/NDF : 20.9/25

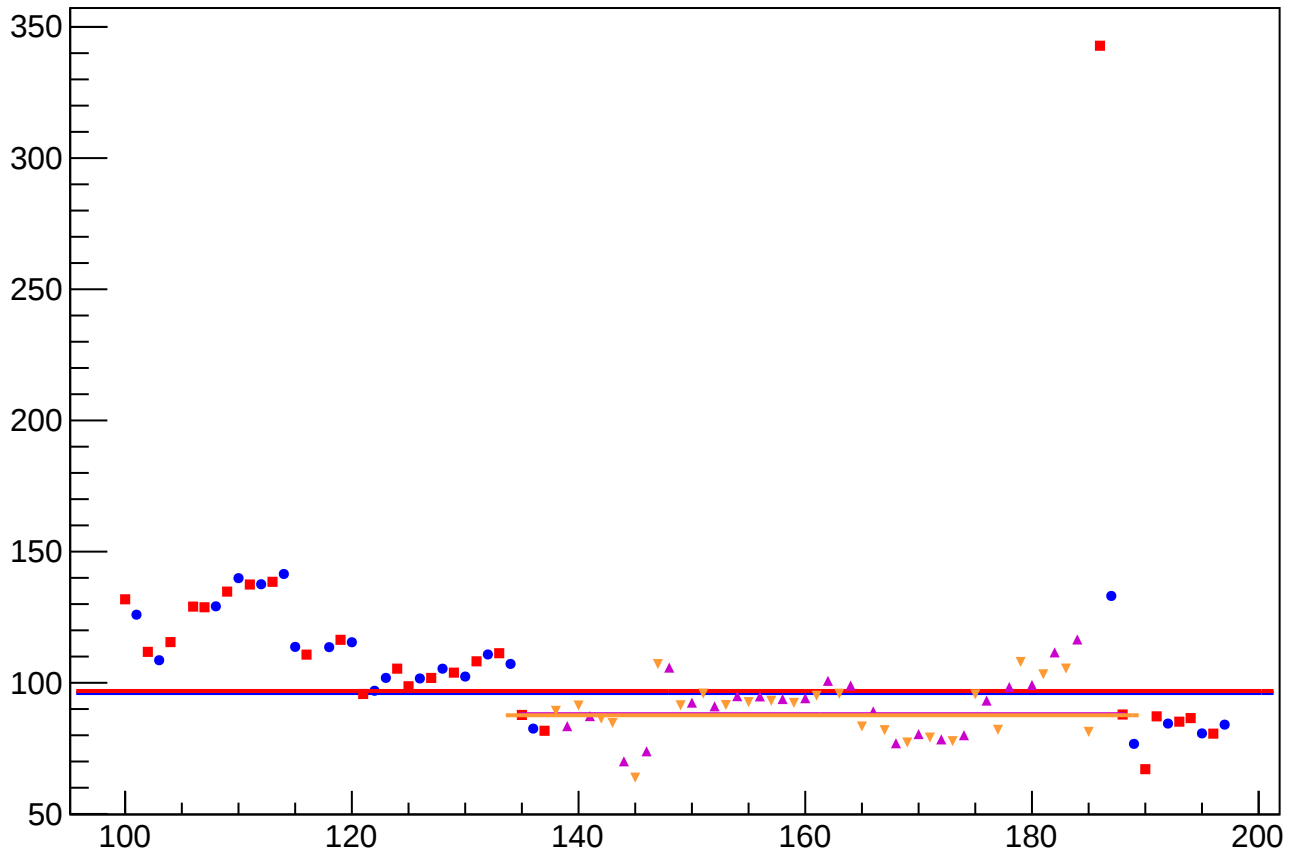
Left In: -8.343 ± 21.271 χ^2/NDF : 22.0/22

+ sign -11.937 ± 17.215 χ^2/NDF : 66.3/46

All: -6.812 ± 12.194 χ^2/NDF : 109.6/95

- sign -1.651 ± 17.275 χ^2/NDF : 43.2/48

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 96.094 $\pm$ 0.022 χ^2 /NDF: 631689.0/21

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 96.881 $\pm$ 0.021 χ^2 /NDF: 1108894.8/25

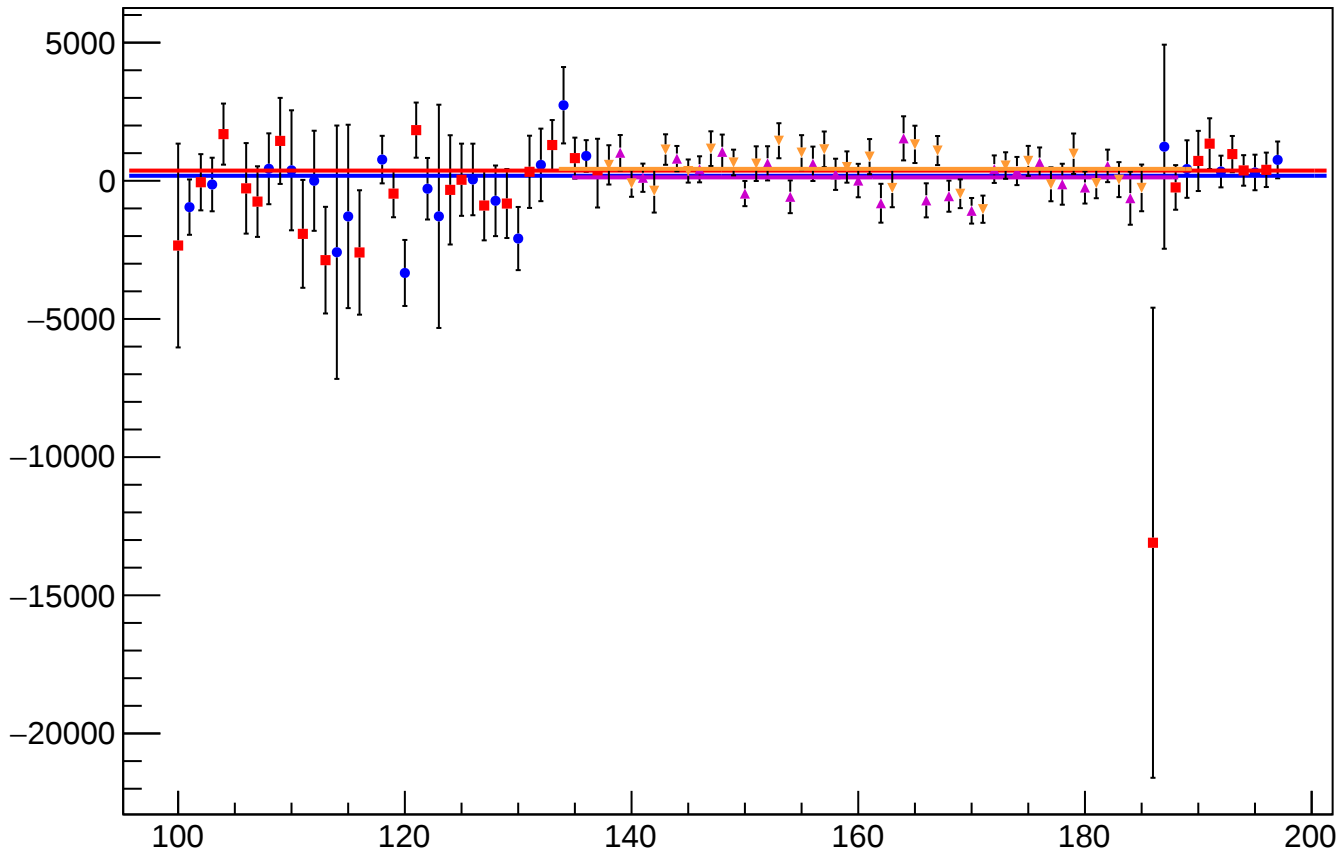
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 90.168 $\pm$ 0.012 χ^2 /NDF: 1288058.8/46

All: 90.605 $\pm$ 0.009 χ^2 /NDF: 3041082.3/95

- sign 91.045 $\pm$ 0.012 χ^2 /NDF: 1750439.6/48

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 181.886 $\pm$ 217.801 χ^2 /NDF: 22.0/21

Left Out: 431.658 $\pm$ 115.706 χ^2 /NDF: 30.5/24

Right Out: 369.431 $\pm$ 202.060 χ^2 /NDF: 21.2/25

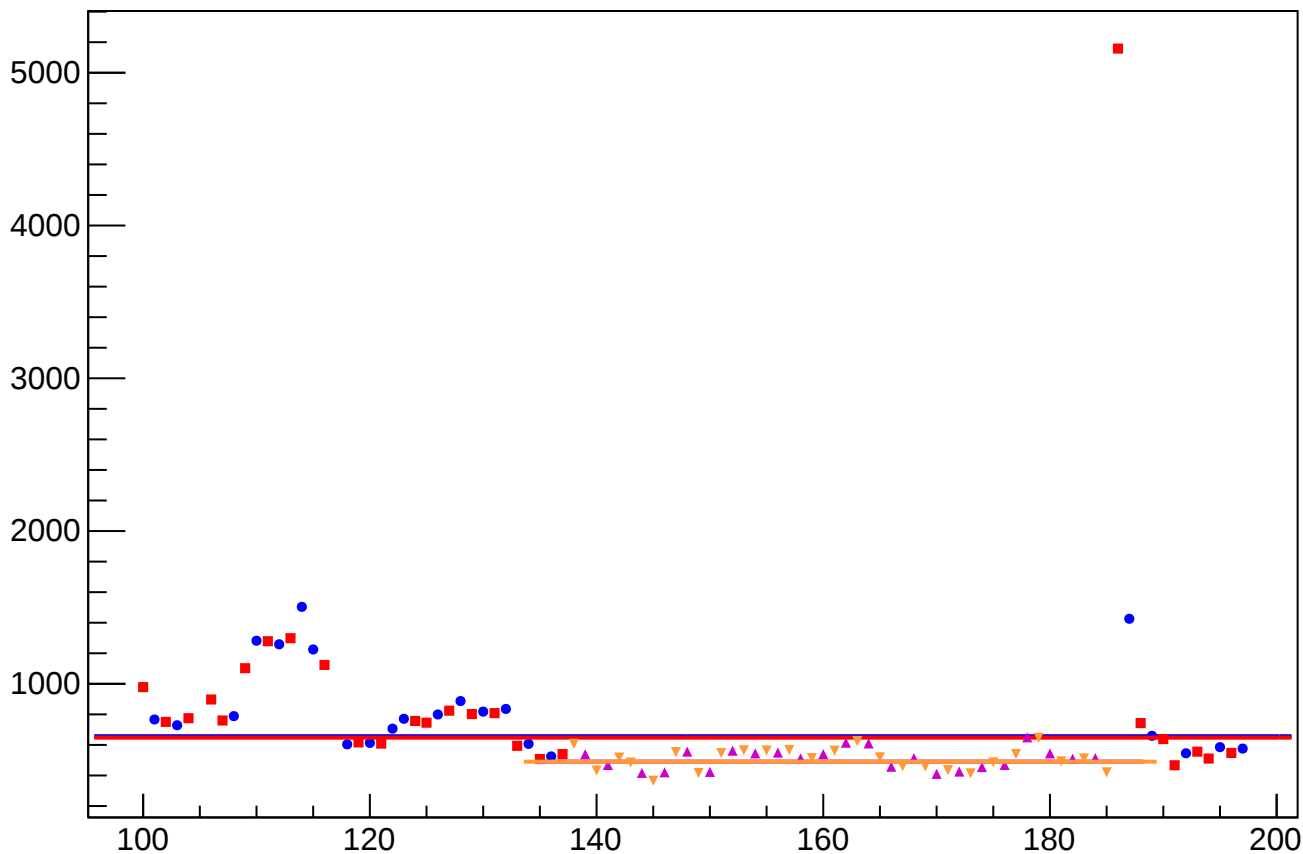
Left In: 123.017 $\pm$ 118.849 χ^2 /NDF: 29.3/22

+ sign 376.682 $\pm$ 102.182 χ^2 /NDF: 53.5/46

All: 281.761 $\pm$ 72.345 χ^2 /NDF: 106.8/95

- sign 186.355 $\pm$ 102.442 χ^2 /NDF: 51.6/48

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 657.280 $\pm$ 0.154 χ^2/NDF : 1076602.5/21

Left Out: 490.267 $\pm$ 0.082 χ^2/NDF : 750277.0/24

Right Out: 647.572 $\pm$ 0.143 χ^2/NDF : 1919080.6/25

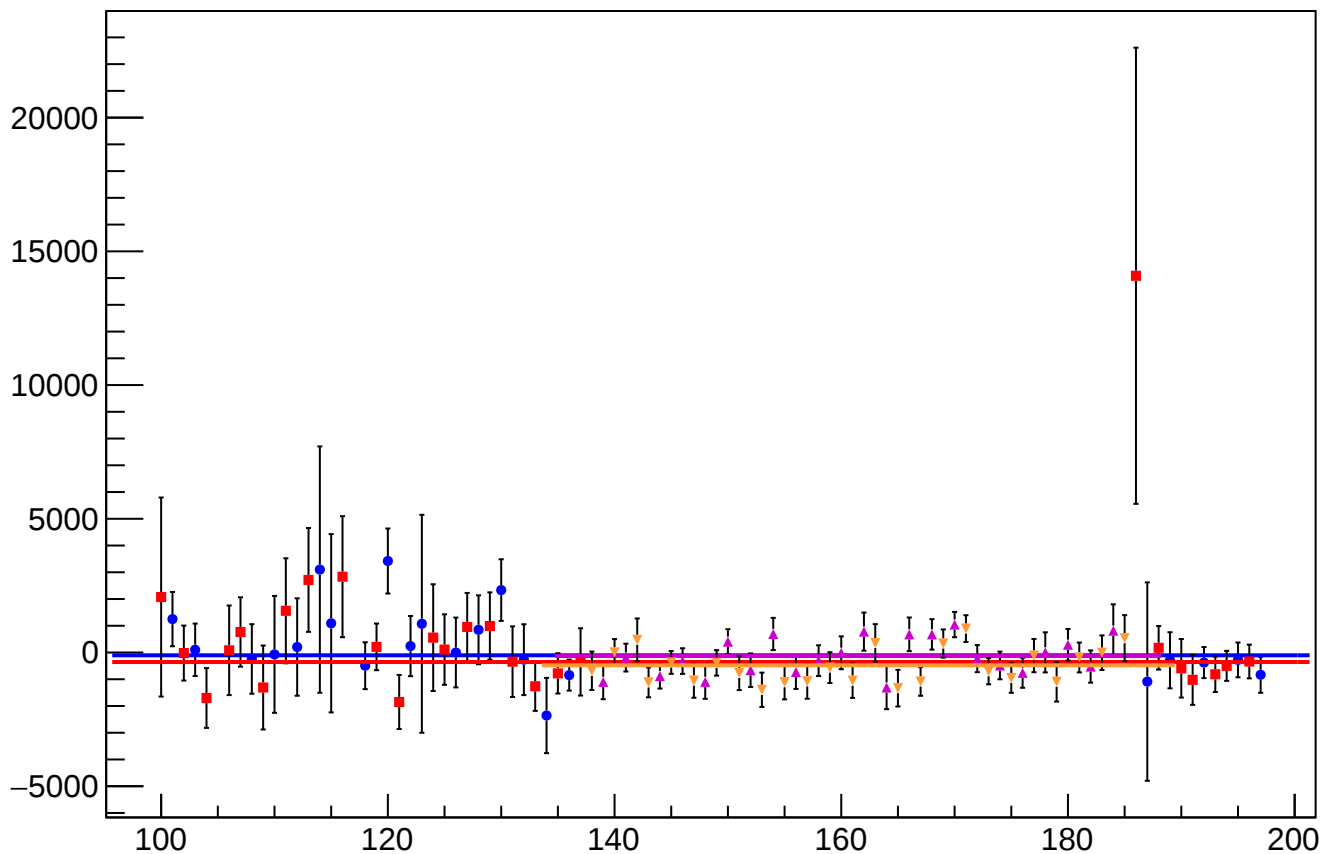
Left In: 490.910 $\pm$ 0.084 χ^2/NDF : 589235.5/22

+ sign 527.027 $\pm$ 0.072 χ^2/NDF : 2744043.0/46

All: 529.097 $\pm$ 0.051 χ^2/NDF : 6147247.7/95

- sign 531.178 $\pm$ 0.072 χ^2/NDF : 3401558.4/48

asym_sam_26_48_dd_mean vs Slug



Right In: -104.464 ± 220.327 χ^2/NDF : 22.1/21

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -354.873 ± 204.604 χ^2/NDF : 19.4/25

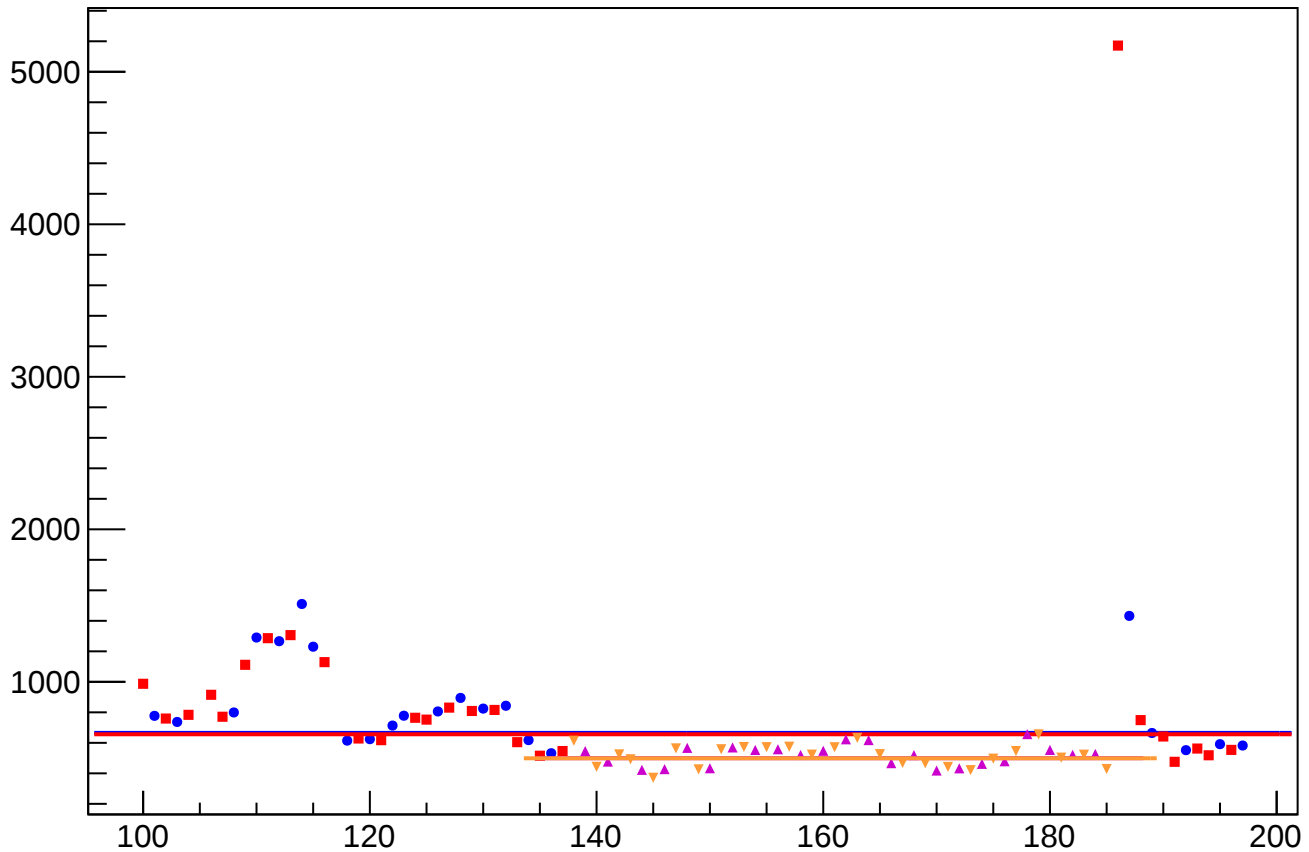
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -395.267 ± 103.787 χ^2/NDF : 52.1/46

All: -292.936 ± 73.487 χ^2/NDF : 103.9/95

- sign -190.058 ± 104.065 χ^2/NDF : 49.9/48

asym_sam_26_48_dd_rms vs Slug



Right In: 665.206 $\pm$ 0.156 χ^2/NDF : 1063346.7/21

Left Out: 498.754 $\pm$ 0.083 χ^2/NDF : 734302.8/24

Right Out: 656.141 $\pm$ 0.145 χ^2/NDF : 1895839.5/25

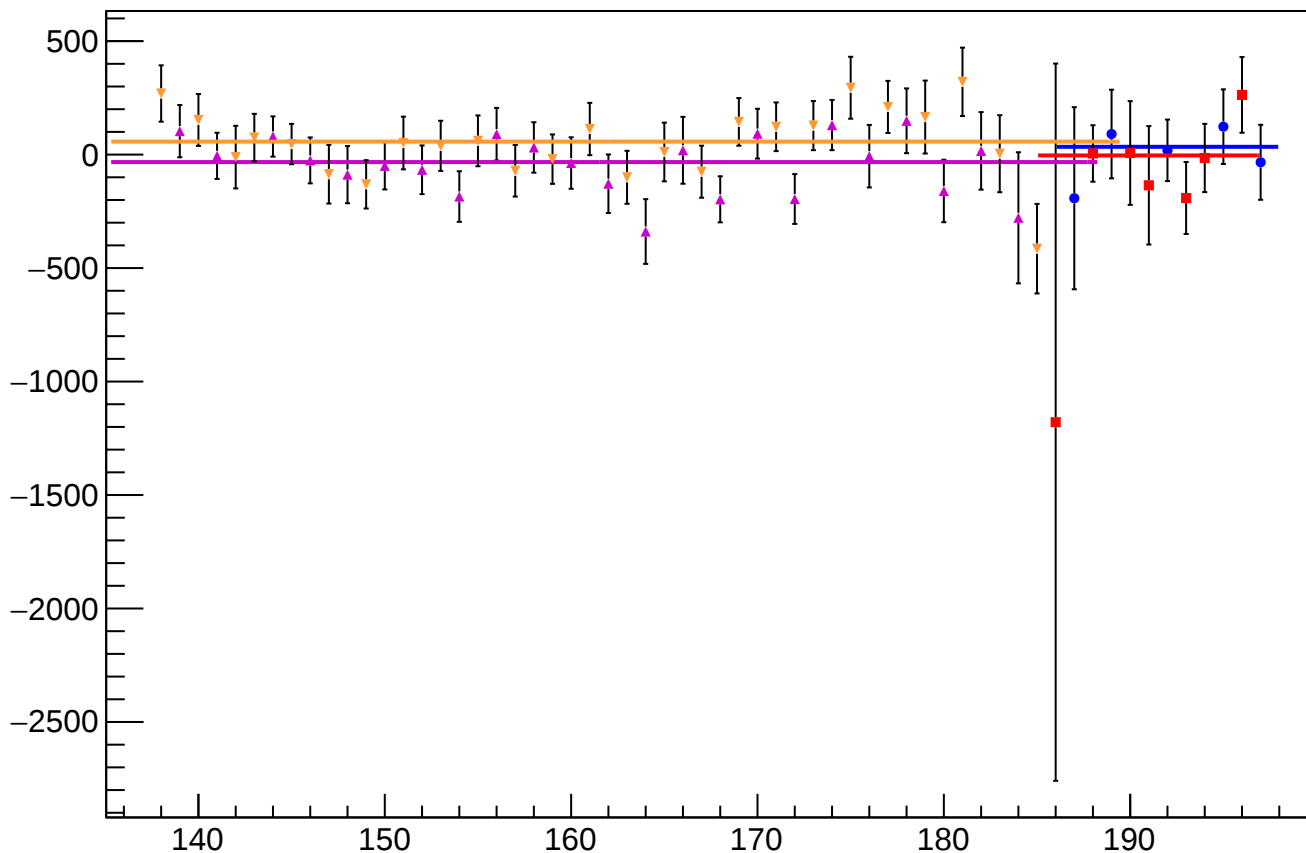
Left In: 499.393 $\pm$ 0.085 χ^2/NDF : 576539.2/22

+ sign 535.689 $\pm$ 0.073 χ^2/NDF : 2685842.8/46

All: 537.810 $\pm$ 0.052 χ^2/NDF : 6030076.9/95

- sign 539.942 $\pm$ 0.074 χ^2/NDF : 3342559.4/48

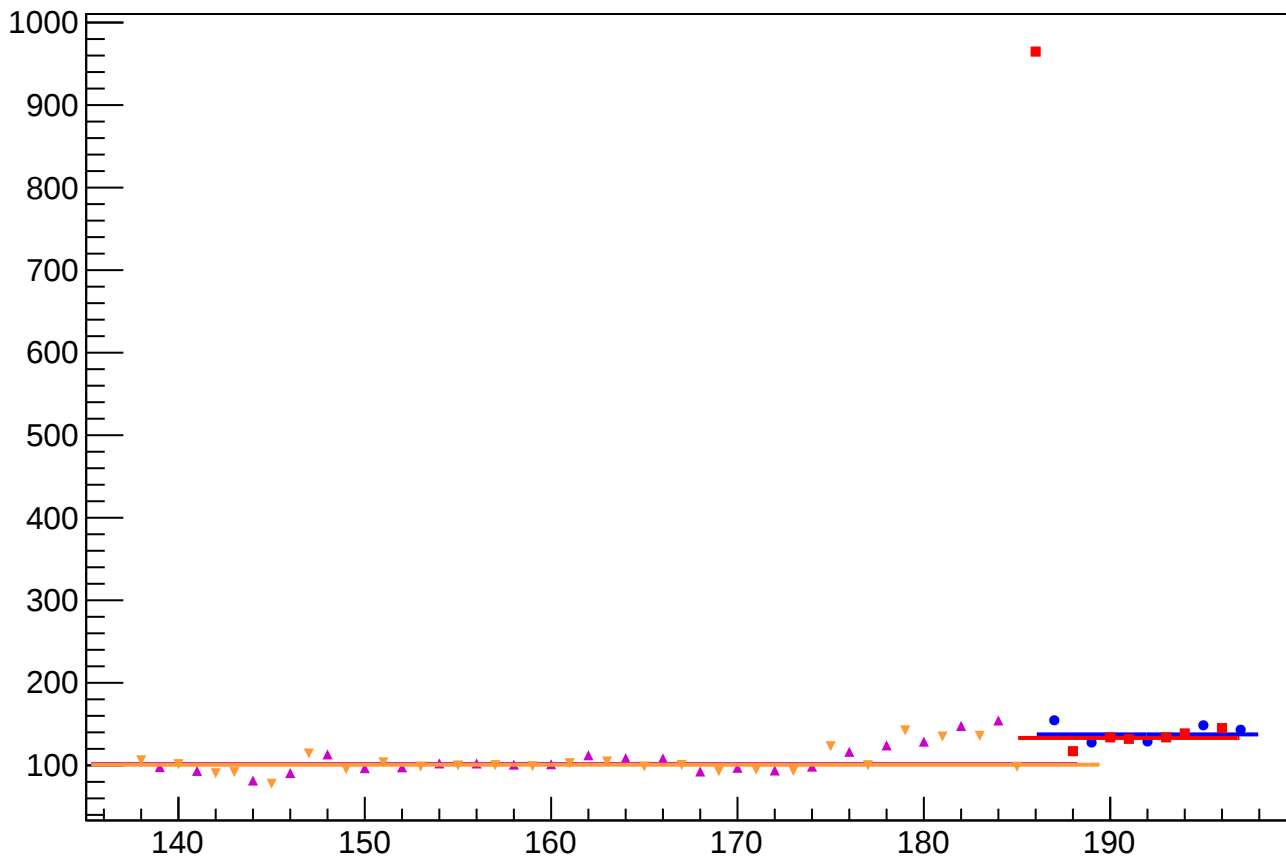
reg_asym_sam_1548_avg_mean vs Slug



Right In: 34.345 ± 78.946 $\chi^2/\text{NDF}: 0.9/4$
 Left Out: 57.211 ± 23.714 $\chi^2/\text{NDF}: 29.2/24$
 Right Out: -3.724 ± 67.609 $\chi^2/\text{NDF}: 4.8/6$
 Left In: -32.948 ± 24.587 $\chi^2/\text{NDF}: 23.6/22$

+ sign 55.318 ± 22.711 $\chi^2/\text{NDF}: 30.1/29$
 All: 13.624 ± 16.197 $\chi^2/\text{NDF}: 65.5/59$
 - sign -29.535 ± 23.107 $\chi^2/\text{NDF}: 28.6/29$

reg_asym_sam_1548_avg_rms vs Slug



Right In: 137.512 $\pm$ 0.056 χ^2 /NDF: 27956.7/4

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 133.210 $\pm$ 0.048 χ^2 /NDF: 600098.1/6

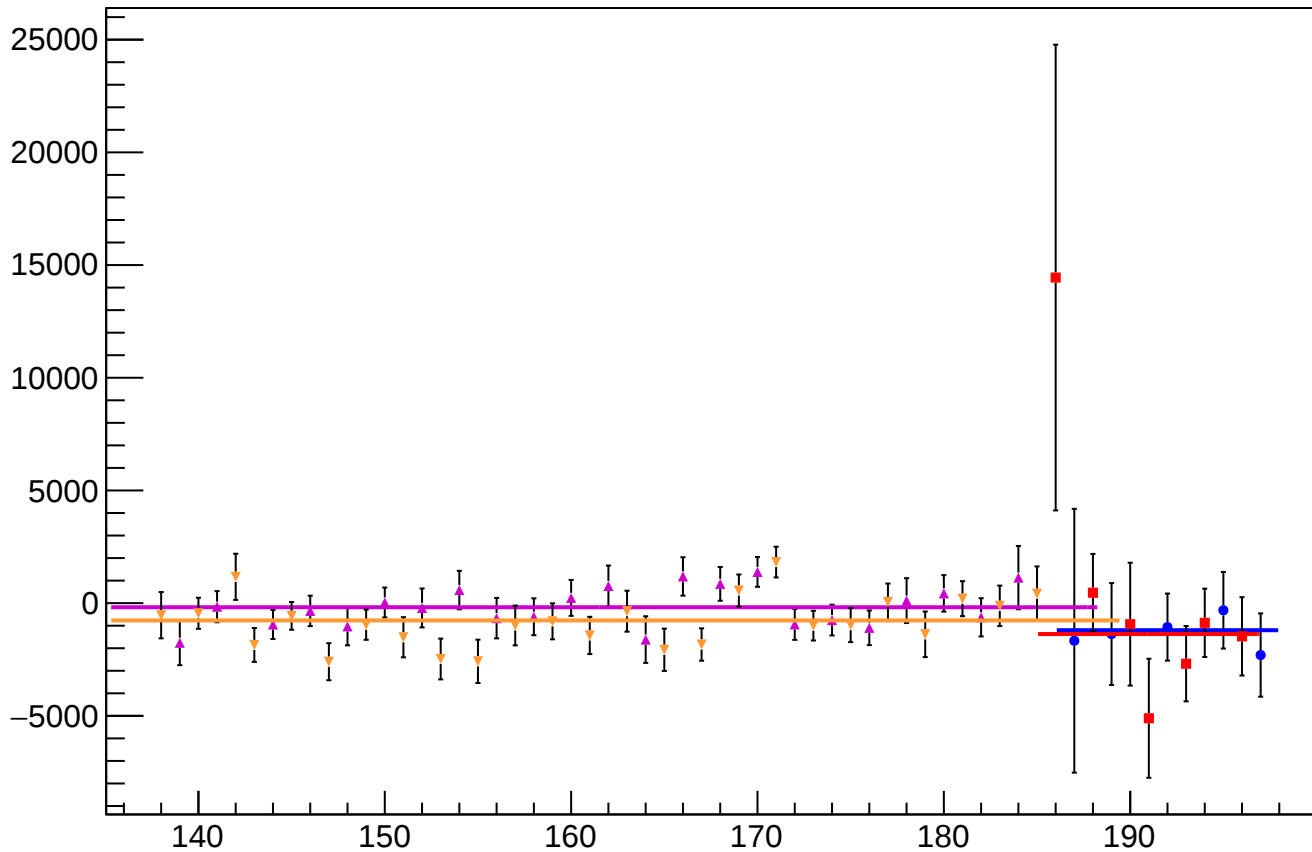
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 103.839 $\pm$ 0.016 χ^2 /NDF: 1025141.8/29

All: 104.562 $\pm$ 0.011 χ^2 /NDF: 2597290.8/59

- sign 105.311 $\pm$ 0.016 χ^2 /NDF: 1568016.6/29

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1200.330 ± 871.531 χ^2/NDF : 0.6/4

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -1369.678 ± 756.153 χ^2/NDF : 6.2/6

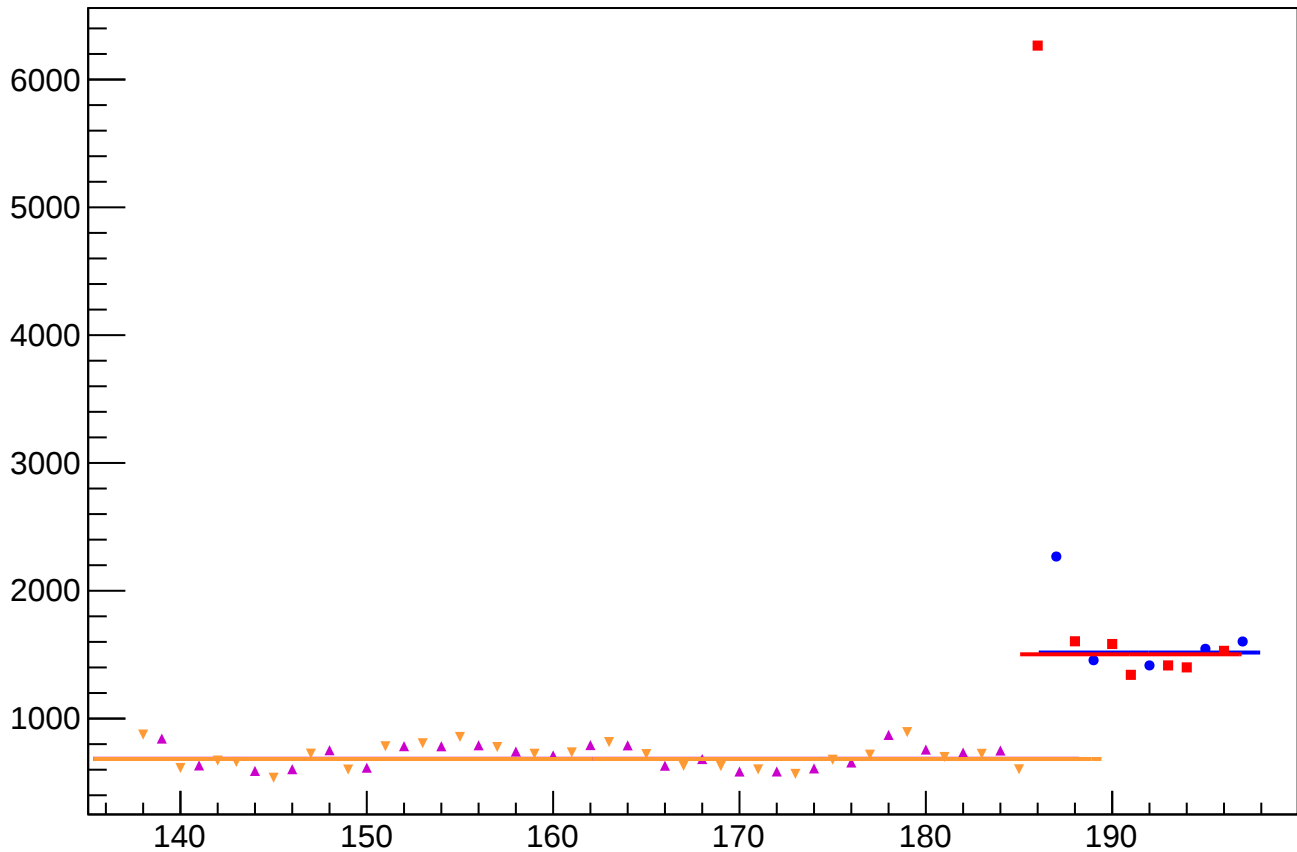
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -780.690 ± 158.384 χ^2/NDF : 47.4/29

All: -514.211 ± 113.194 χ^2/NDF : 86.8/59

- sign -236.004 ± 161.832 χ^2/NDF : 33.6/29

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1516.747 ± 0.616 $\chi^2/\text{NDF}: 48520.1/4$

Left Out: 683.884 ± 0.114 $\chi^2/\text{NDF}: 667158.2/24$

Right Out: 1502.896 ± 0.535 $\chi^2/\text{NDF}: 456129.1/6$

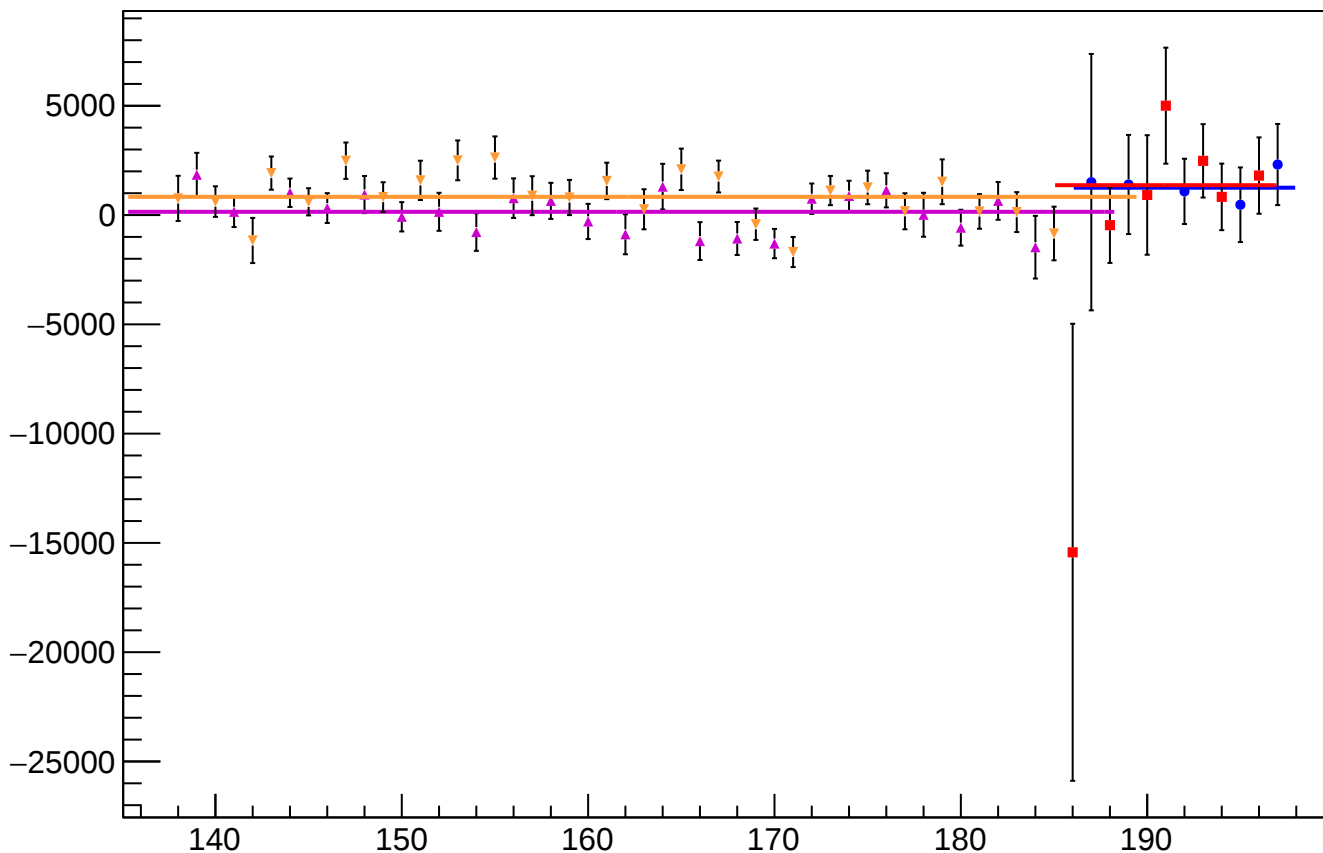
Left In: 685.593 ± 0.117 $\chi^2/\text{NDF}: 529353.6/22$

+ sign 711.391 ± 0.112 $\chi^2/\text{NDF}: 2481820.3/29$

All: 717.085 ± 0.080 $\chi^2/\text{NDF}: 5702121.8/59$

- sign 723.029 ± 0.114 $\chi^2/\text{NDF}: 3215018.0/29$

asym_sam_1548_avg_mean vs Slug



Right In: 1252.123 $\pm$ 875.297 χ^2 /NDF: 0.6/4

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF:43.2/24

Right Out: 1366.299 $\pm$ 759.582 χ^2 /NDF: 6.2/6

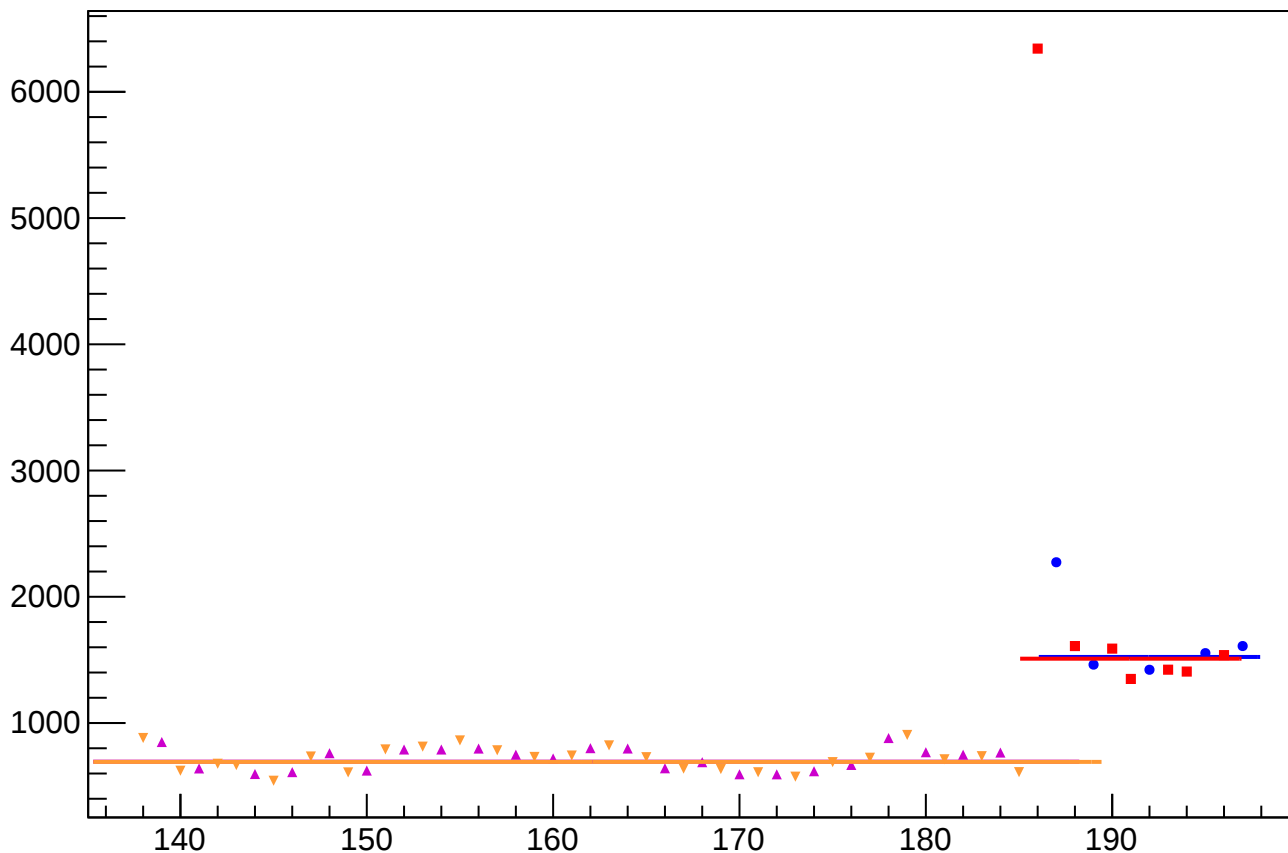
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF:26.0/22

+ sign 847.423 $\pm$ 160.212 χ^2 /NDF: 44.0/29

All: 533.316 $\pm$ 114.502 χ^2 /NDF: 86.6/59

- sign 205.364 $\pm$ 163.704 χ^2 /NDF: 34.7/29

asym_sam_1548_avg_rms vs Slug



Right In: 1523.353 ± 0.619 χ^2/NDF : 48340.3/4

Left Out: 692.097 ± 0.115 χ^2/NDF : 657259.6/24

Right Out: 1509.644 ± 0.537 χ^2/NDF : 457905.1/6

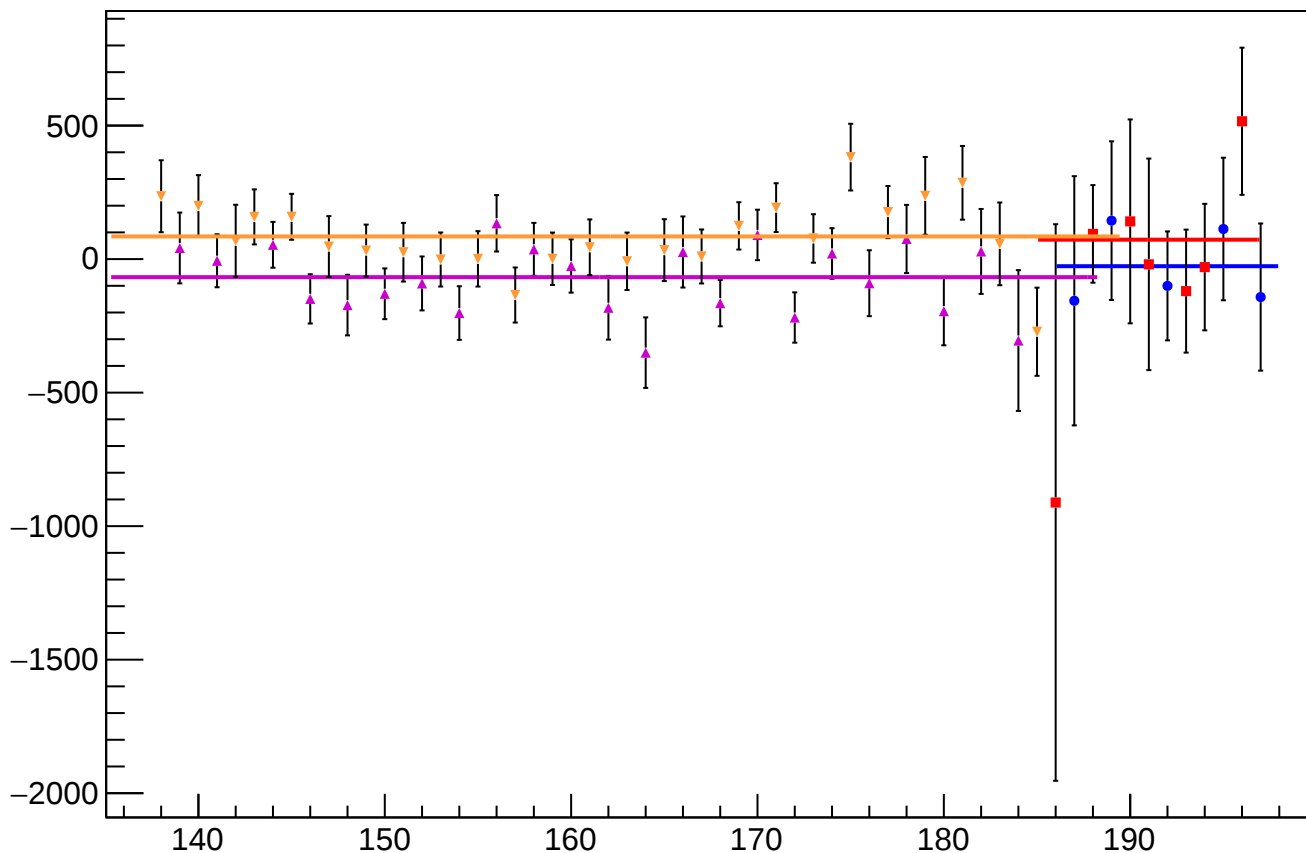
Left In: 693.867 ± 0.119 χ^2/NDF : 522053.5/22

+ sign 719.946 ± 0.113 χ^2/NDF : 2448972.0/29

All: 725.725 ± 0.081 χ^2/NDF : 5633971.3/59

- sign 731.759 ± 0.116 χ^2/NDF : 3179680.1/29

reg_asym_sam_3748_avg_mean vs Slug



Right In: -26.583 ± 122.019 χ^2/NDF : 1.0/4

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 72.733 ± 103.176 χ^2/NDF : 4.5/6

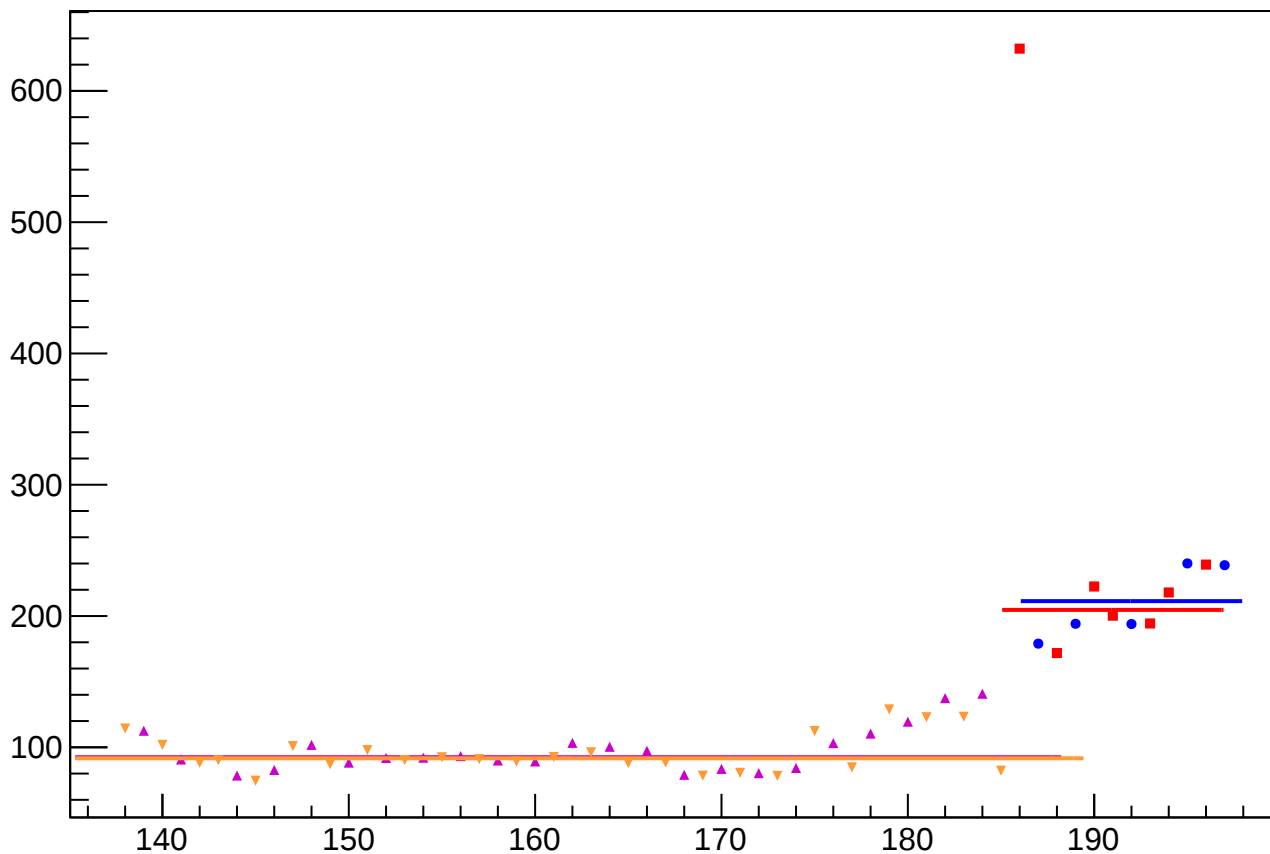
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 81.460 ± 21.310 χ^2/NDF : 30.3/29

All: 12.189 ± 15.285 χ^2/NDF : 87.1/59

- sign -61.211 ± 21.936 χ^2/NDF : 35.1/29

reg_asym_sam_3748_avg_rms vs Slug



Right In: 211.352 $\pm$ 0.086 χ^2 /NDF: 73858.2/4

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF: 693122.0/24

Right Out: 204.670 $\pm$ 0.073 χ^2 /NDF: 447572.3/6

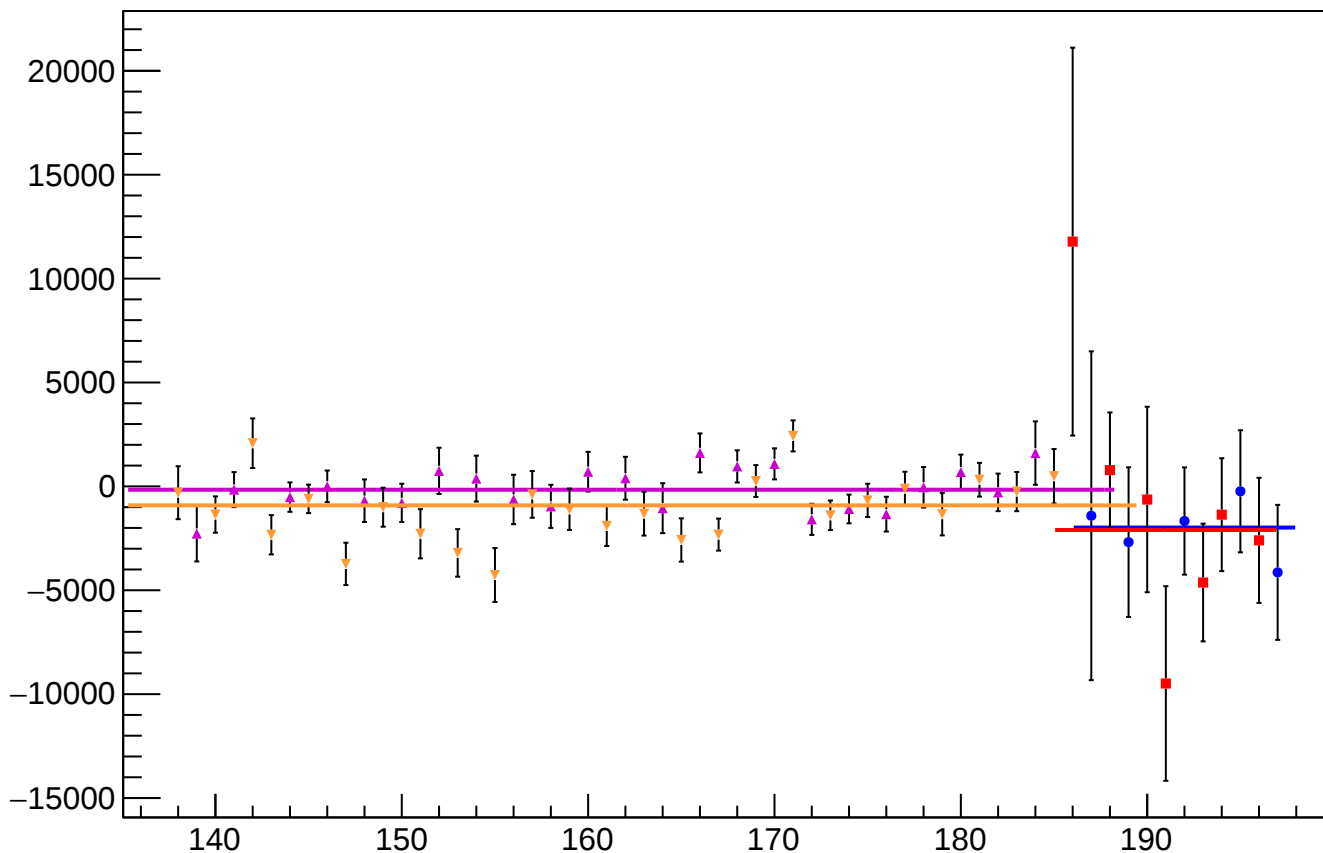
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 95.284 $\pm$ 0.015 χ^2 /NDF: 2633575.5/29

All: 96.378 $\pm$ 0.011 χ^2 /NDF: 6006104.6/59

- sign 97.538 $\pm$ 0.016 χ^2 /NDF: 3361670.8/29

asym_sam_3748_avg_correction_mean vs Slug



Right In: -1981.966 ± 1484.564 χ^2/NDF : 0.9/4

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -2098.505 ± 1282.873 χ^2/NDF : 6.8/6

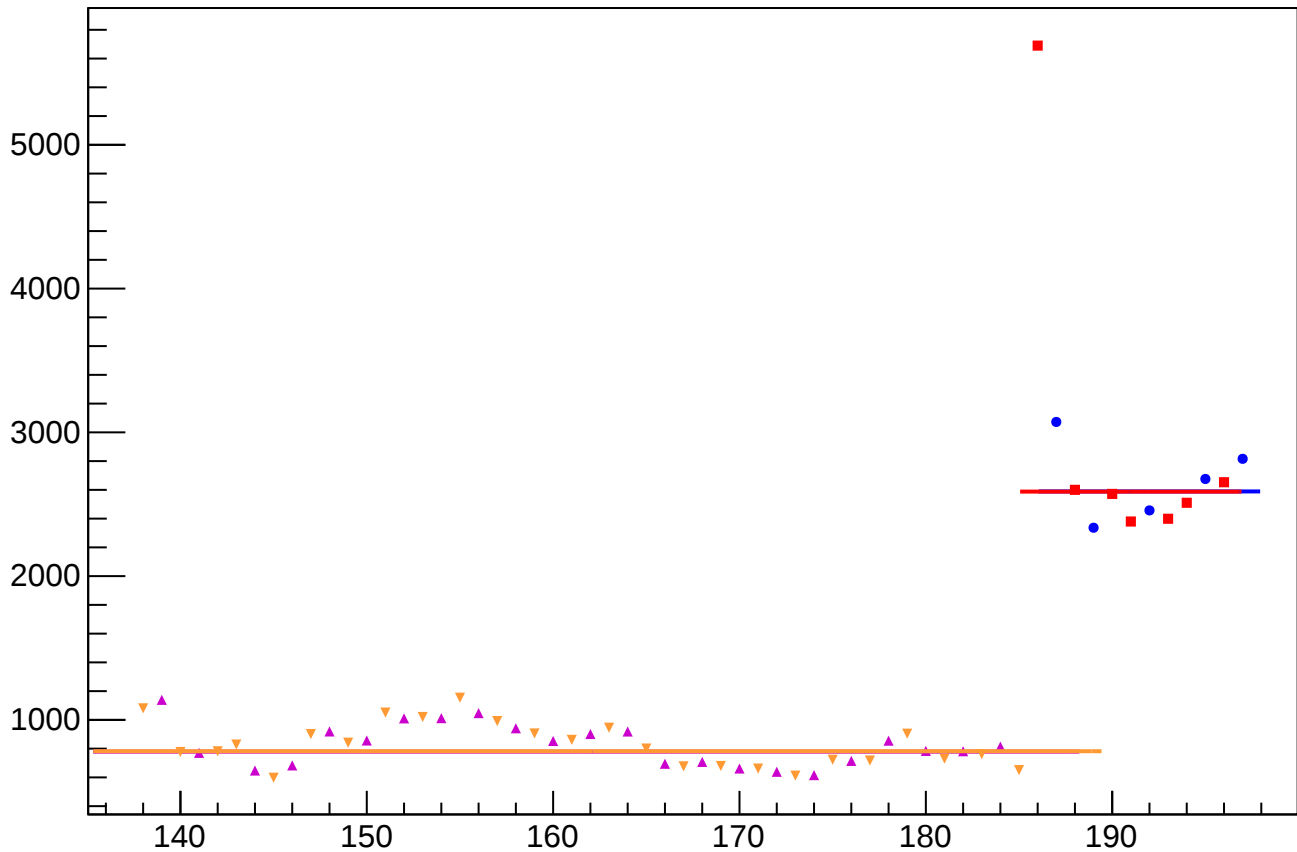
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -931.098 ± 183.913 χ^2/NDF : 65.5/29

All: -573.723 ± 131.281 χ^2/NDF : 107.3/59

- sign -202.444 ± 187.457 χ^2/NDF : 34.1/29

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2589.062 $\pm$ 1.050 χ^2 /NDF: 34021.8/4

Left Out: 782.042 $\pm$ 0.131 χ^2 /NDF: 1130984.3/24

Right Out: 2587.945 $\pm$ 0.907 χ^2 /NDF: 236377.9/6

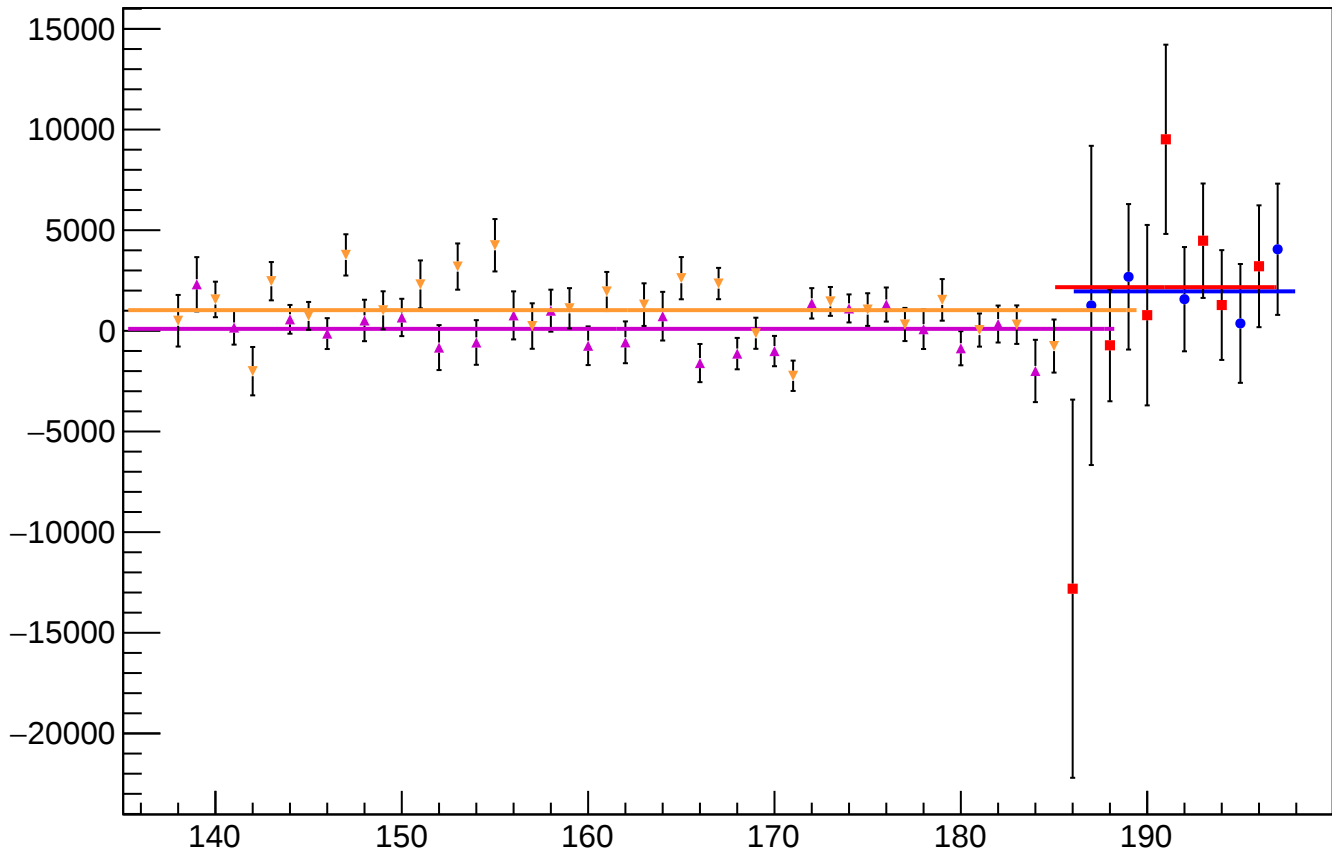
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 809.774 $\pm$ 0.130 χ^2 /NDF: 4082710.8/29

All: 813.622 $\pm$ 0.093 χ^2 /NDF: 9192841.9/59

- sign 817.619 $\pm$ 0.133 χ^2 /NDF: 5108346.5/29

asym_sam_3748_avg_mean vs Slug



Right In: 1962.108 $\pm$ 1489.989 χ^2 /NDF: 0.8/4

Left Out: 1028.864 $\pm$ 186.810 χ^2 /NDF:60.2/24

Right Out: 2169.587 $\pm$ 1287.663 χ^2 /NDF: 7.0/6

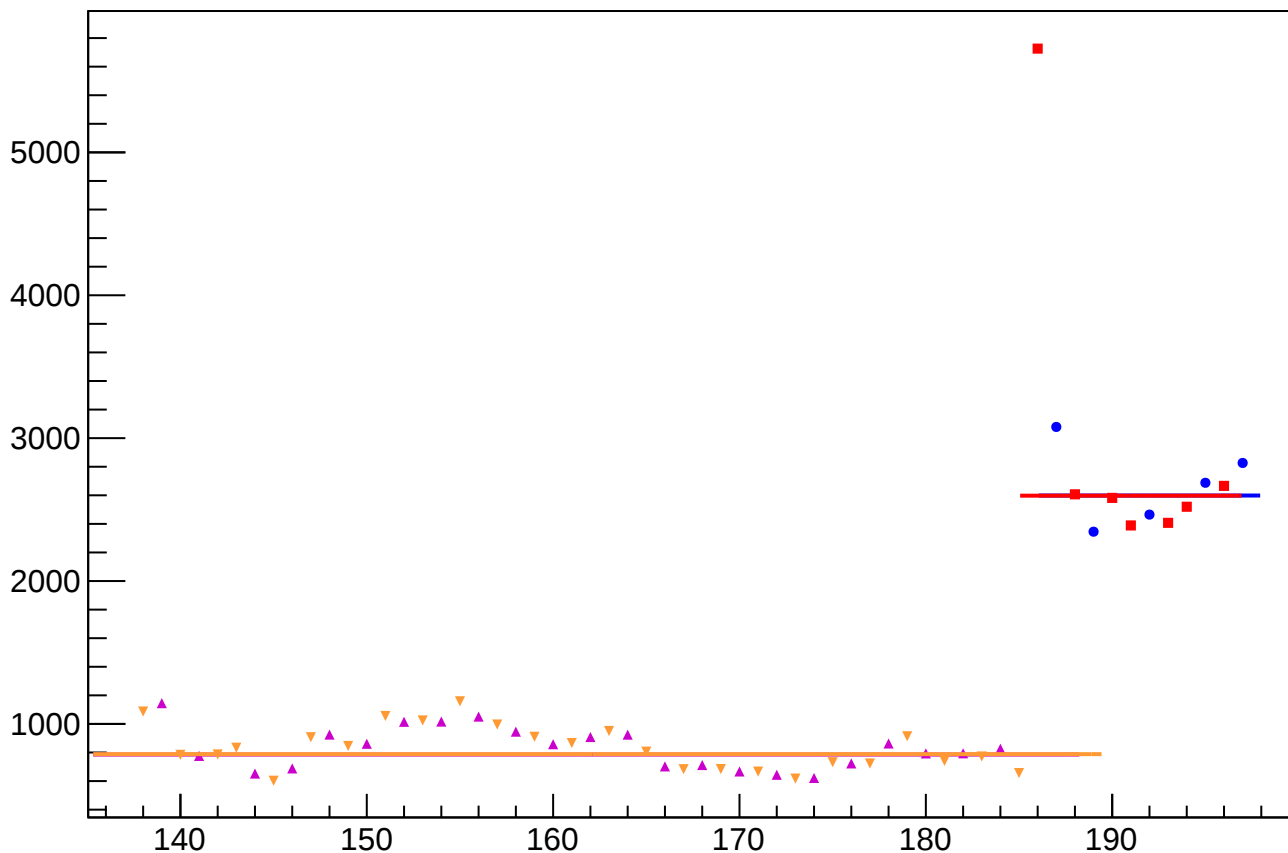
Left In: 98.691 $\pm$ 191.027 χ^2 /NDF:25.4/22

+ sign 1043.307 $\pm$ 185.359 χ^2 /NDF: 61.3/29

All: 601.952 $\pm$ 132.323 χ^2 /NDF: 107.8/59

- sign 143.286 $\pm$ 188.959 χ^2 /NDF: 35.0/29

asym_sam_3748_avg_rms vs Slug



Right In: 2598.527+/-1.054 χ^2/NDF : 34067.3/4

Left Out: 788.442+/-0.132 χ^2/NDF : 1113741.6/24

Right Out: 2597.493+/-0.911 χ^2/NDF : 237427.6/6

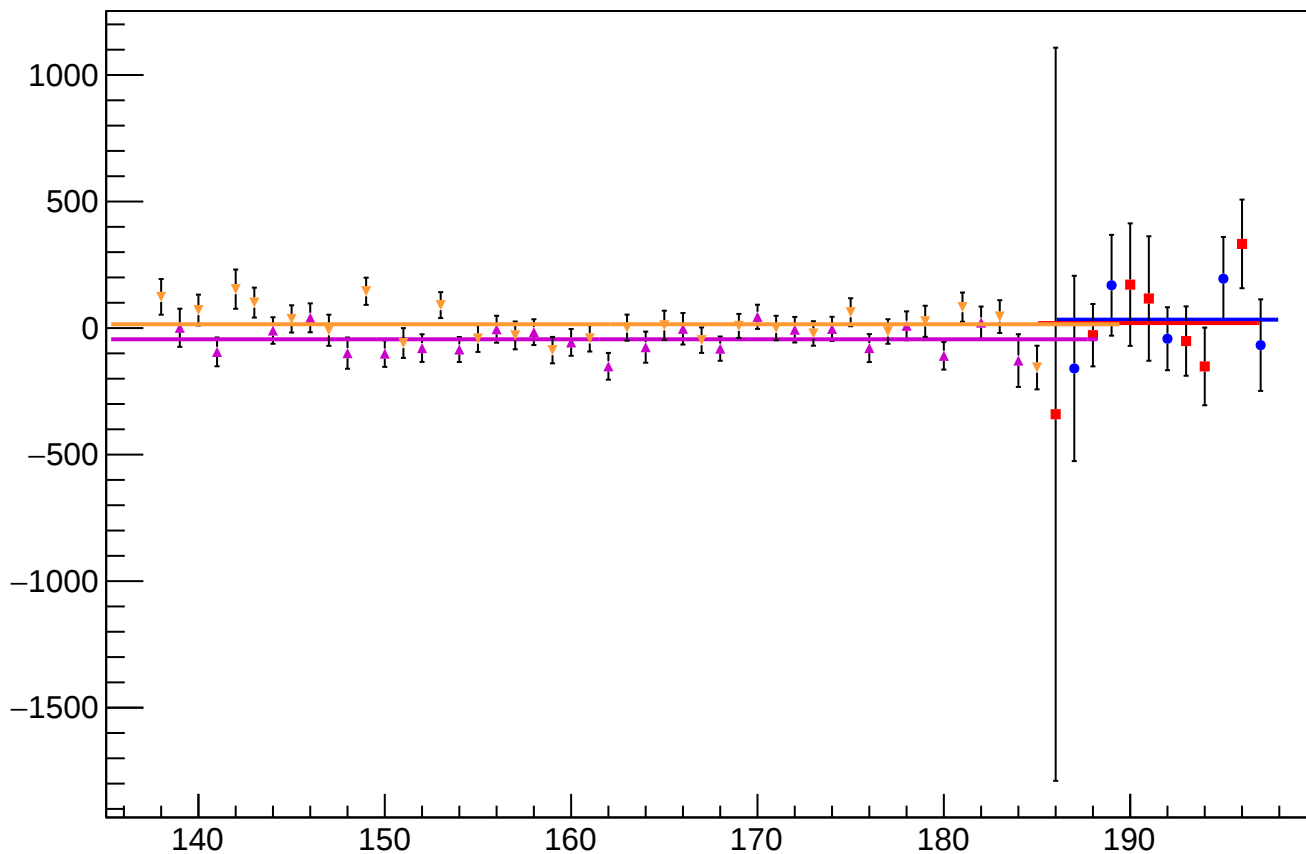
Left In: 785.490+/-0.135 χ^2/NDF : 965338.9/22

+ sign 816.455+/-0.131 χ^2/NDF : 4053758.9/29

All: 820.405+/-0.094 χ^2/NDF : 9133529.4/59

- sign 824.511+/-0.134 χ^2/NDF : 5077918.1/29

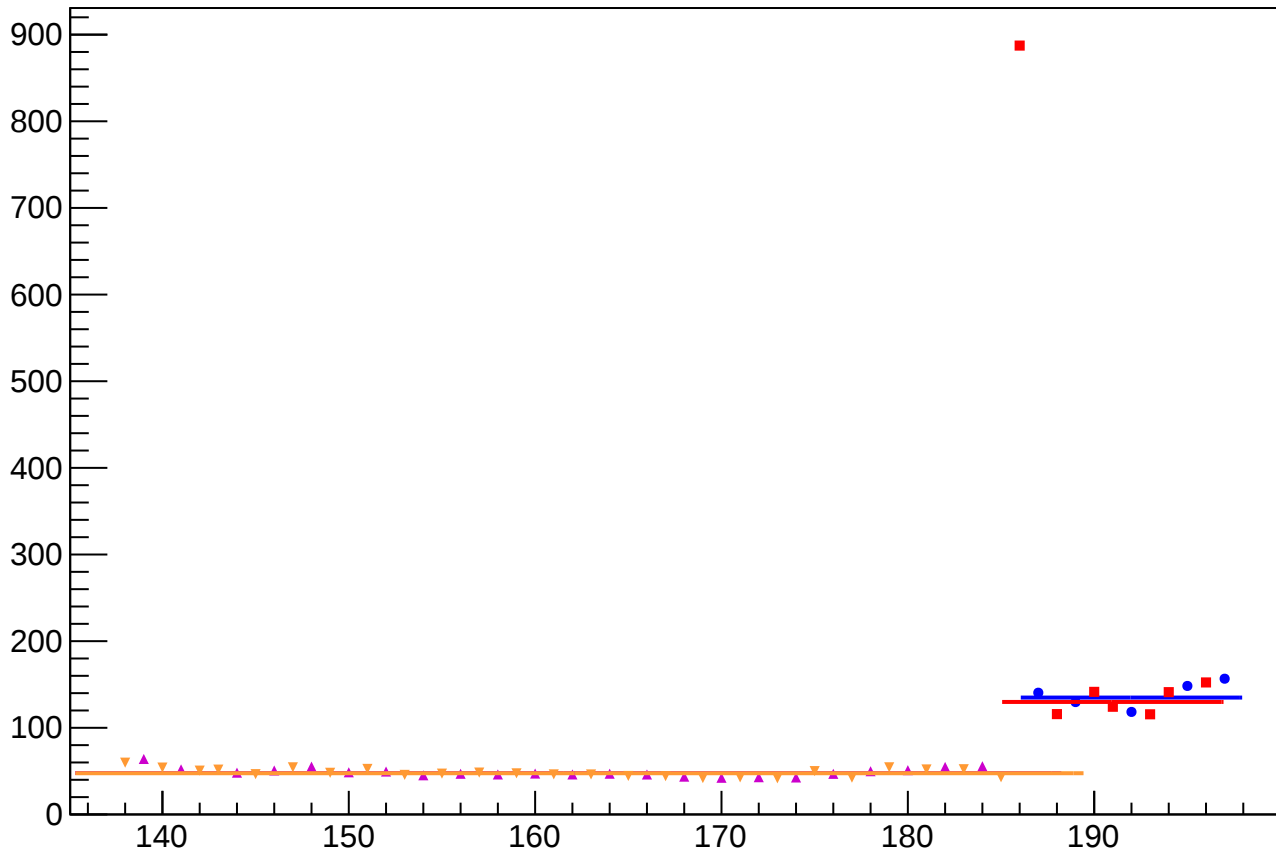
reg_asym_sam_1526_avg_mean vs Slug



Right In: 33.222 $\pm$ 77.976 χ^2 /NDF: 2.4/4
 Left Out: 15.099 $\pm$ 11.154 χ^2 /NDF:34.2/24
 Right Out: 19.847 $\pm$ 66.197 χ^2 /NDF: 5.5/6
 Left In: -44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

+ sign 15.463 $\pm$ 11.042 χ^2 /NDF: 36.6/29
 All: -12.655 $\pm$ 7.917 χ^2 /NDF: 78.6/59
 - sign -42.409 $\pm$ 11.359 χ^2 /NDF: 28.7/29

reg_asym_sam_1526_avg_rms vs Slug



Right In: 134.900 $\pm$ 0.055 χ^2 /NDF: 79416.6/4

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 129.849 $\pm$ 0.047 χ^2 /NDF: 644139.0/6

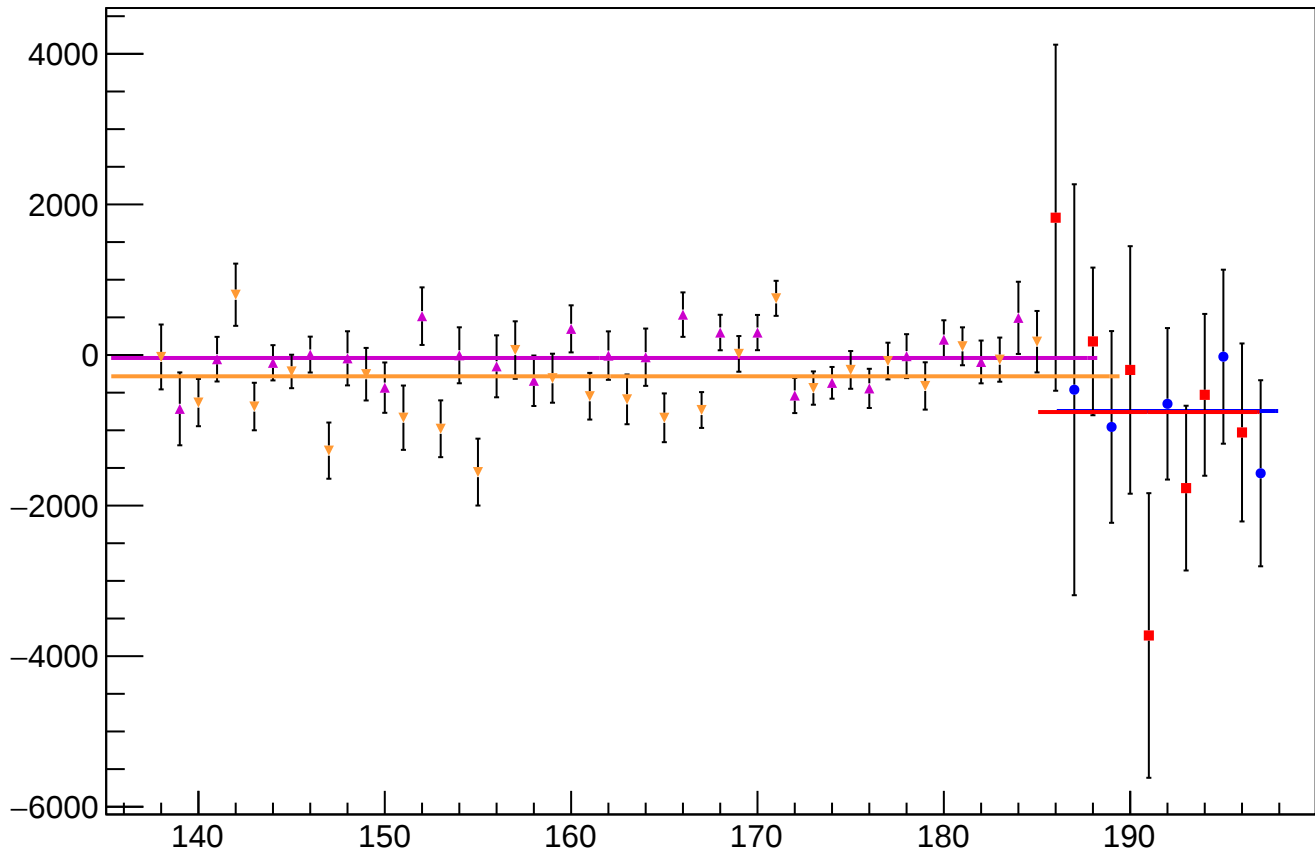
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 49.337 $\pm$ 0.008 χ^2 /NDF: 2849700.1/29

All: 49.786 $\pm$ 0.006 χ^2 /NDF: 6761138.0/59

- sign 50.260 $\pm$ 0.008 χ^2 /NDF: 3904642.4/29

asym_sam_1526_avg_correction_mean vs Slug



Right In: -743.652 $\pm$ 564.081 χ^2/NDF : 0.9/4

Left Out: -282.798 $\pm$ 59.690 χ^2/NDF : 66.5/24

Right Out: -757.344 $\pm$ 482.446 χ^2/NDF : 5.7/6

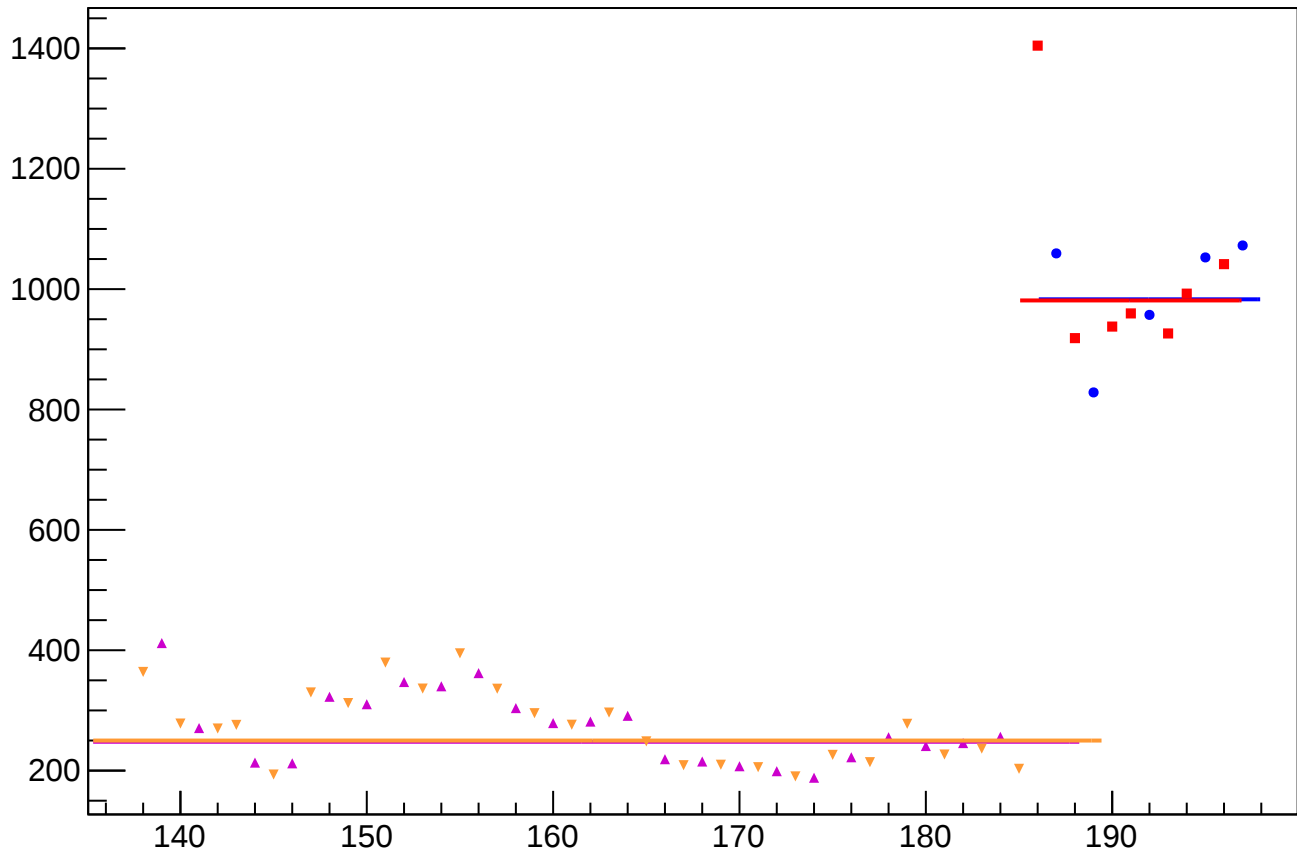
Left In: -39.432 $\pm$ 60.759 χ^2/NDF : 27.5/22

+ sign -287.902 $\pm$ 59.358 χ^2/NDF : 68.1/29

All: -171.104 $\pm$ 42.296 χ^2/NDF : 111.4/59

- sign -50.641 $\pm$ 60.283 χ^2/NDF : 35.4/29

asym_sam_1526_avg_correction_rms vs Slug



Right In: 983.082 ± 0.399 χ^2/NDF : 50141.9/4

Left Out: 249.956 ± 0.042 χ^2/NDF : 1614205.9/24

Right Out: 981.225 ± 0.341 χ^2/NDF : 88133.6/6

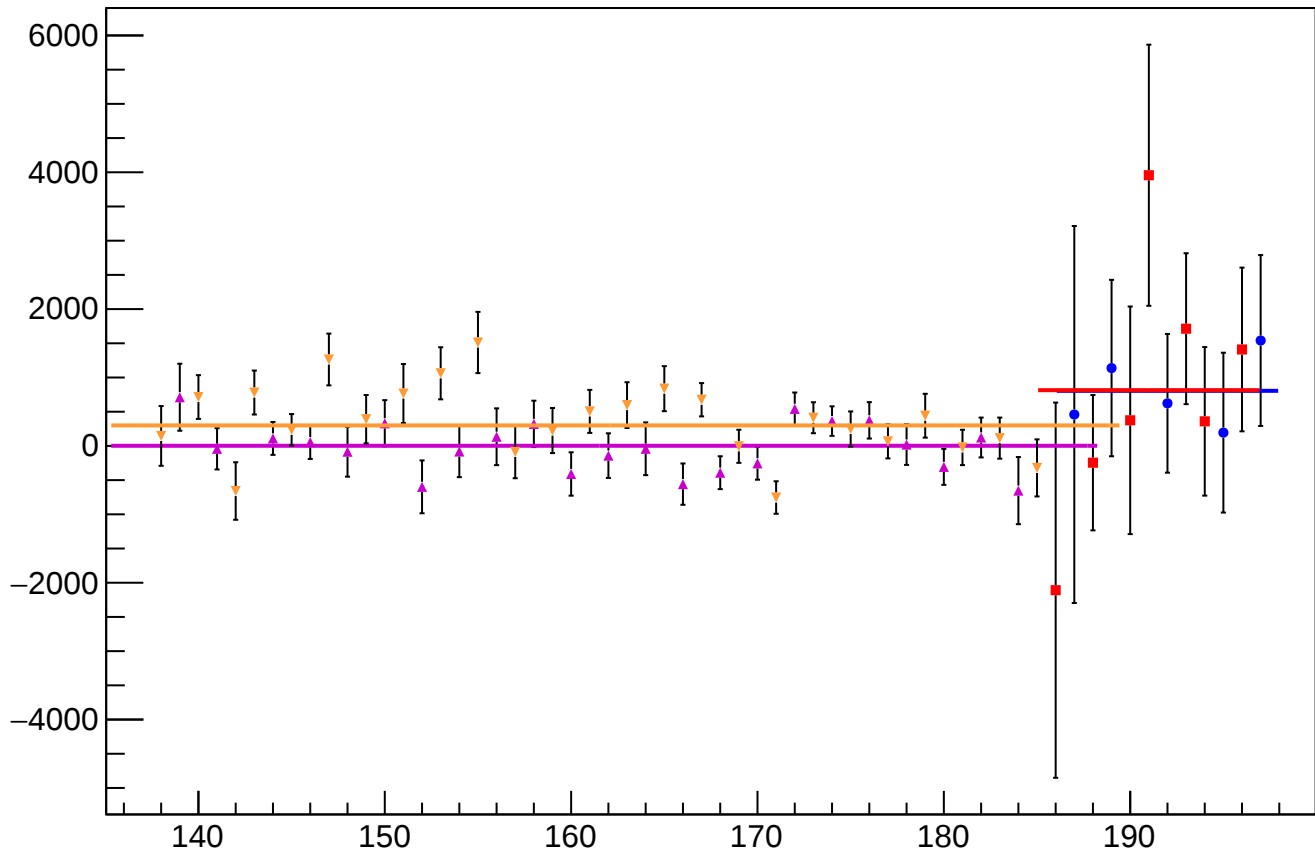
Left In: 247.917 ± 0.043 χ^2/NDF : 1410847.5/22

+ sign 258.075 ± 0.042 χ^2/NDF : 5005289.3/29

All: 258.710 ± 0.030 χ^2/NDF : 11053268.4/59

- sign 259.366 ± 0.043 χ^2/NDF : 6047513.1/29

asym_sam_1526_avg_mean vs Slug



Right In: 805.366+/-569.835 χ^2/NDF : 0.7/4

Left Out: 299.562+/-60.860 χ^2/NDF : 62.5/24

Right Out: 814.652+/-490.330 χ^2/NDF : 6.2/6

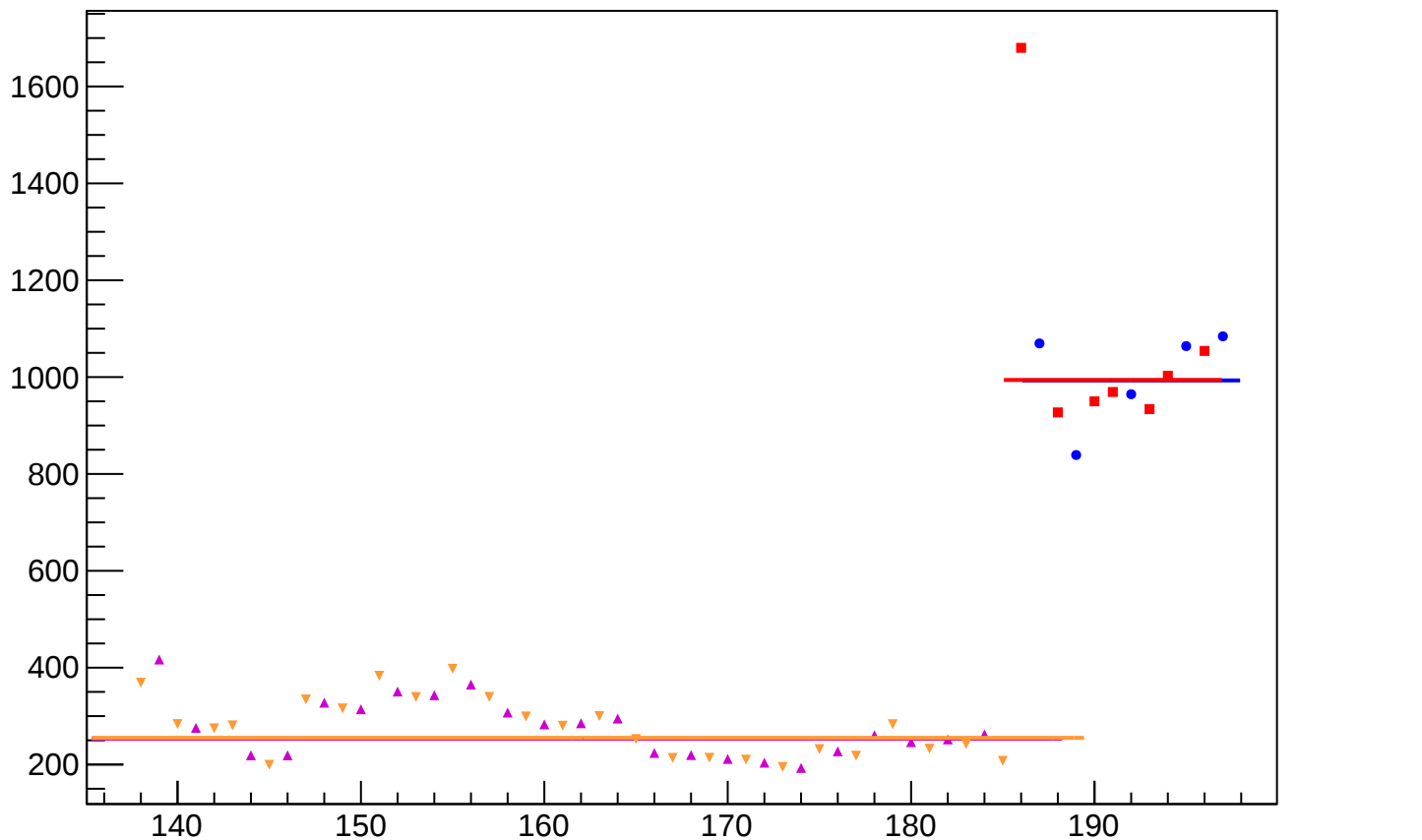
Left In: 2.185+/-62.005 χ^2/NDF : 29.2/22

+ sign 305.267+/-60.515 χ^2/NDF : 64.0/29

All: 162.497+/-43.140 χ^2/NDF : 113.3/59

- sign 14.973+/-61.515 χ^2/NDF : 38.0/29

asym_sam_1526_avg_rms vs Slug



Right In: 993.120+/-0.403 χ^2/NDF : 49613.7/4

Left Out: 255.135+/-0.043 χ^2/NDF : 1542039.5/24

Right Out: 994.025+/-0.347 χ^2/NDF : 147063.0/6

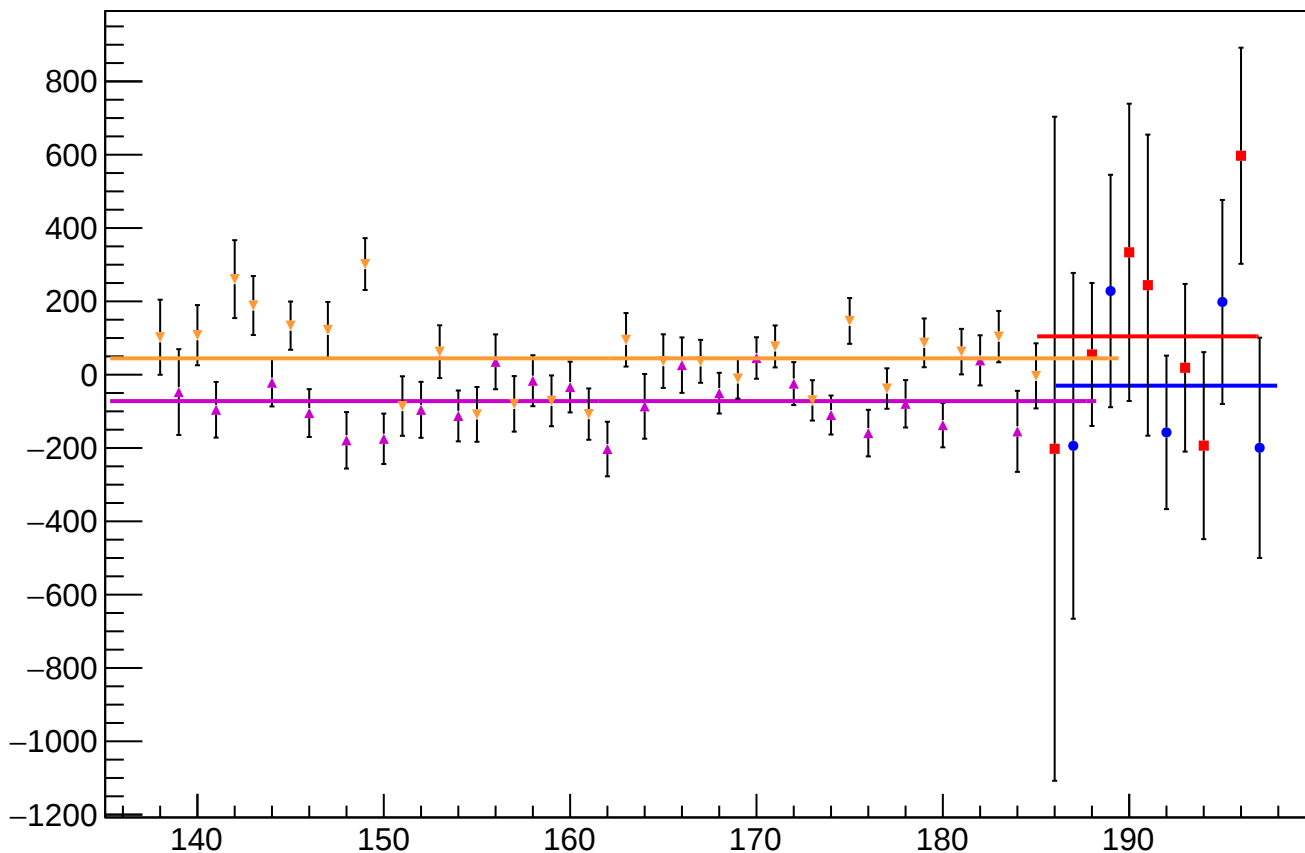
Left In: 253.287+/-0.044 χ^2/NDF : 1341662.3/22

+ sign 263.458+/-0.043 χ^2/NDF : 4908310.2/29

All: 264.190+/-0.031 χ^2/NDF : 10890175.1/59

- sign 264.946+/-0.043 χ^2/NDF : 5981270.5/29

reg_asym_sam_3726_avg_mean vs Slug



Right In: -29.973 ± 127.753 χ^2/NDF : 2.1/4

Left Out: 44.602 ± 13.824 χ^2/NDF : 53.9/24

Right Out: 104.552 ± 108.142 χ^2/NDF : 4.9/6

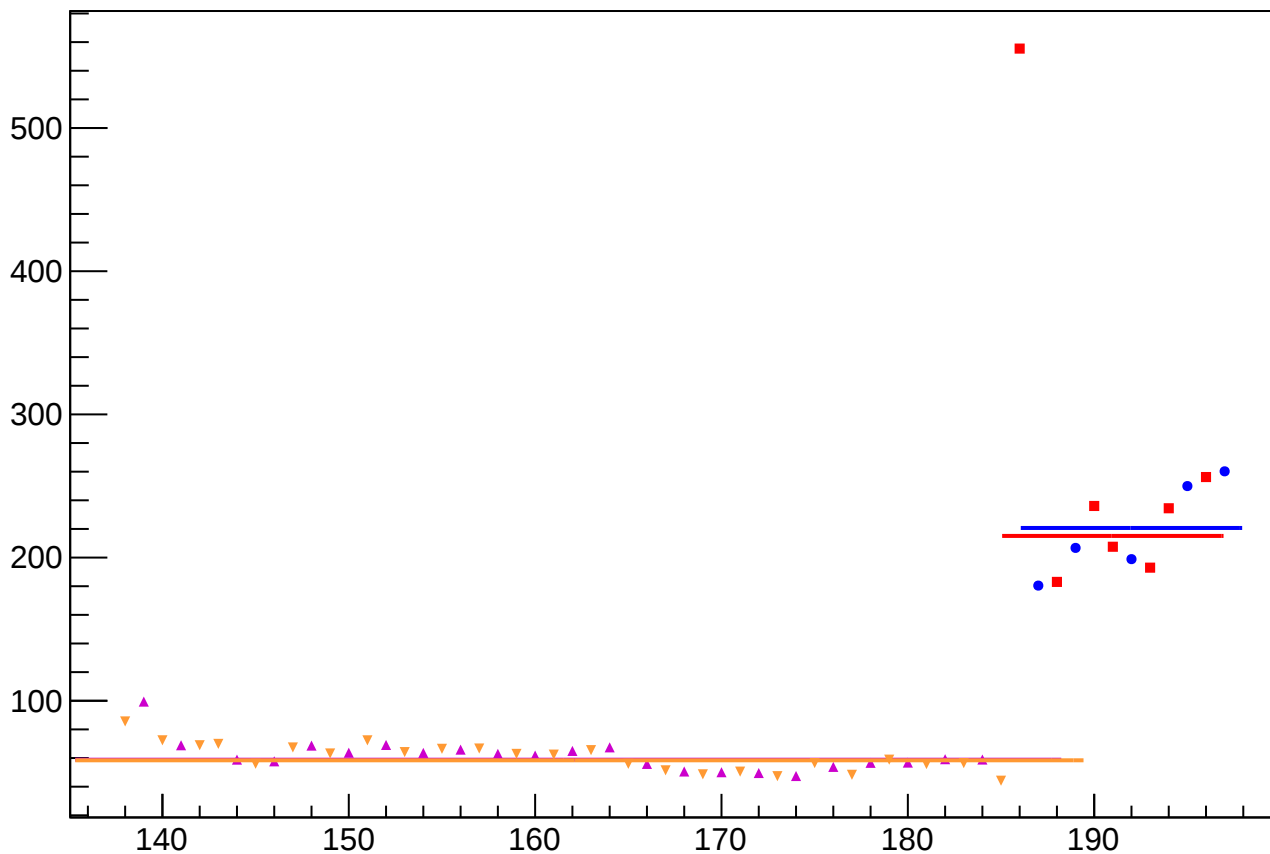
Left In: -72.037 ± 14.296 χ^2/NDF : 25.3/22

+ sign 43.739 ± 13.744 χ^2/NDF : 56.4/29

All: -10.900 ± 9.867 χ^2/NDF : 121.8/59

- sign -69.004 ± 14.173 χ^2/NDF : 32.8/29

reg_asym_sam_3726_avg_rms vs Slug



Right In: 220.685 $\pm$ 0.090 χ^2 /NDF: 96841.1/4

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

Right Out: 215.128 $\pm$ 0.076 χ^2 /NDF: 411828.9/6

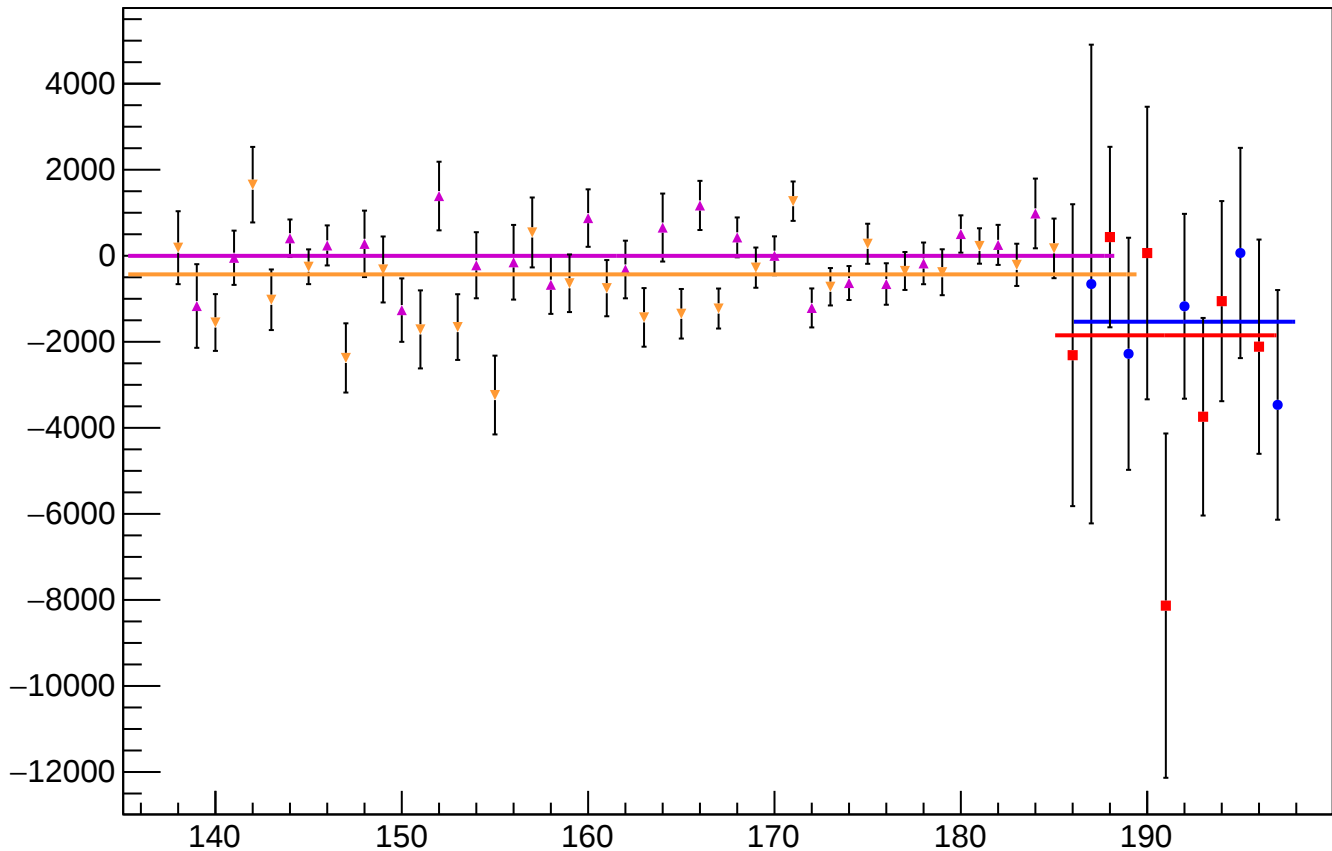
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 60.301 $\pm$ 0.010 χ^2 /NDF: 4076051.0/29

All: 60.894 $\pm$ 0.007 χ^2 /NDF: 9281007.4/59

- sign 61.524 $\pm$ 0.010 χ^2 /NDF: 5197276.9/29

asym_sam_3726_avg_correction_mean vs Slug



Right In: -1533.149+/-1200.258 χ^2/NDF : 1.1/4

Left Out: -432.330+/-114.408 χ^2/NDF : 59.4/24

Right Out: -1849.179+/-1003.472 χ^2/NDF : 4.8/6

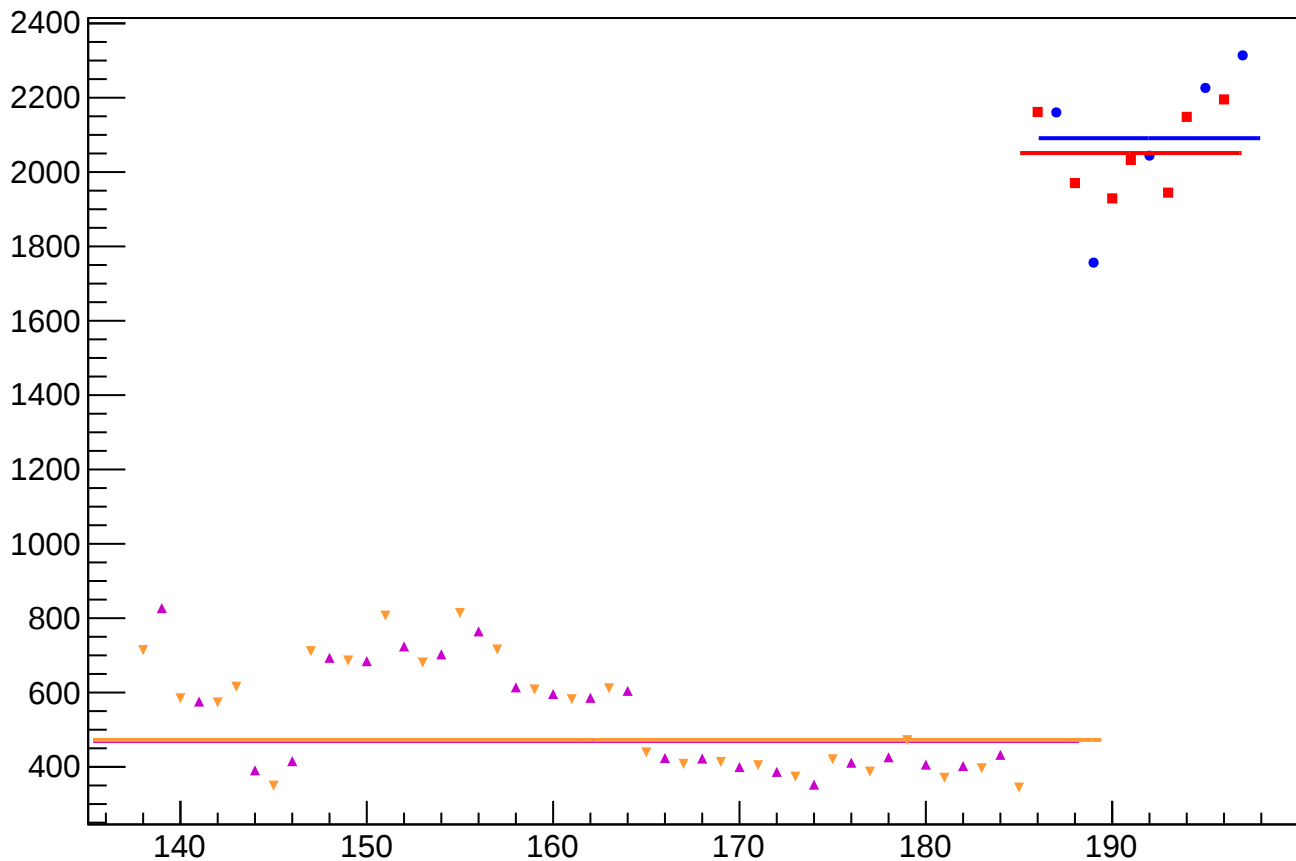
Left In: -1.825+/-116.459 χ^2/NDF : 32.3/22

+ sign -442.242+/-113.892 χ^2/NDF : 61.3/29

All: -237.552+/-81.159 χ^2/NDF : 108.3/59

- sign -26.376+/-115.682 χ^2/NDF : 40.4/29

asym_sam_3726_avg_correction_rms vs Slug



Right In: 2091.102 $\pm$ 0.849 χ^2 /NDF: 52106.0/4

Left Out: 472.569 $\pm$ 0.081 χ^2 /NDF: 2508168.9/24

Right Out: 2051.181 $\pm$ 0.710 χ^2 /NDF: 22065.3/6

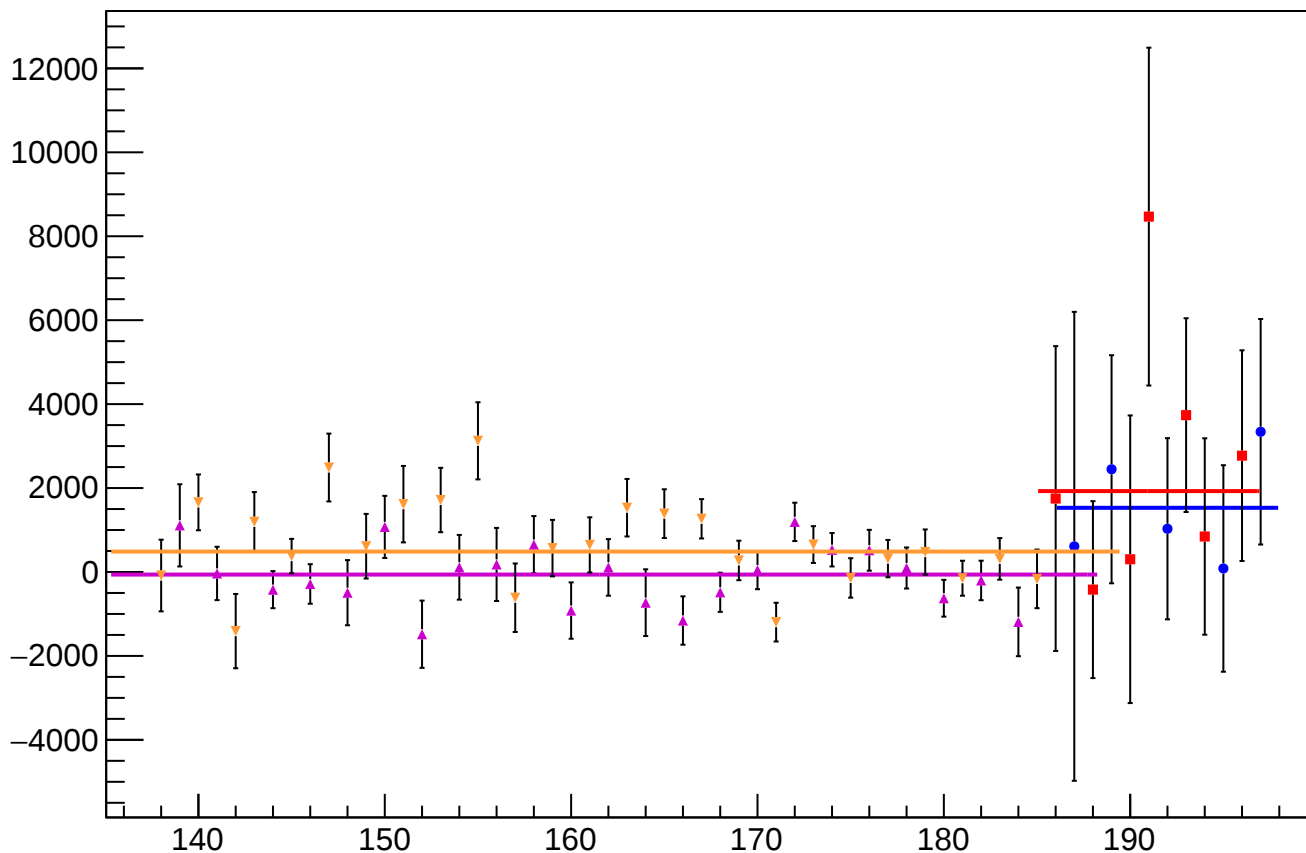
Left In: 469.761 $\pm$ 0.082 χ^2 /NDF: 2116885.7/22

+ sign 487.142 $\pm$ 0.081 χ^2 /NDF: 6164367.0/29

All: 488.932 $\pm$ 0.057 χ^2 /NDF: 13205535.1/59

- sign 490.778 $\pm$ 0.082 χ^2 /NDF: 7040164.7/29

asym_sam_3726_avg_mean vs Slug



Right In: 1529.398 $\pm$ 1207.596 χ^2/NDF : 1.0/4

Left Out: 486.645 $\pm$ 115.346 χ^2/NDF : 56.0/24

Right Out: 1927.174 $\pm$ 1011.882 χ^2/NDF : 5.0/6

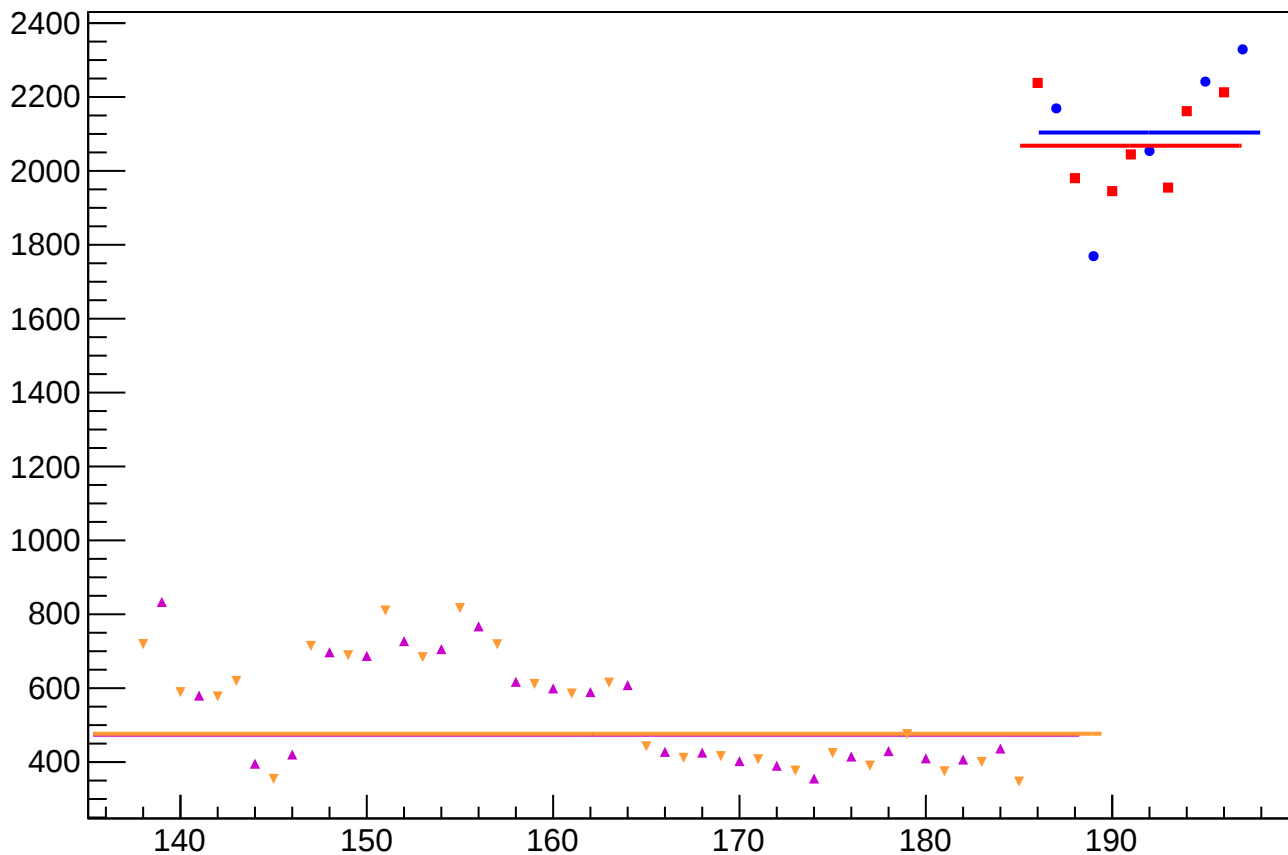
Left In: -61.775 $\pm$ 117.449 χ^2/NDF : 31.2/22

+ sign 496.073 $\pm$ 114.824 χ^2/NDF : 57.8/29

All: 234.597 $\pm$ 81.836 χ^2/NDF : 108.3/59

- sign -35.336 $\pm$ 116.666 χ^2/NDF : 40.0/29

asym_sam_3726_avg_rms vs Slug



Right In: 2103.880 $\pm$ 0.854 χ^2 /NDF: 51953.8/4

Left Out: 476.690 $\pm$ 0.082 χ^2 /NDF: 2472737.6/24

Right Out: 2068.163 $\pm$ 0.716 χ^2 /NDF: 25140.4/6

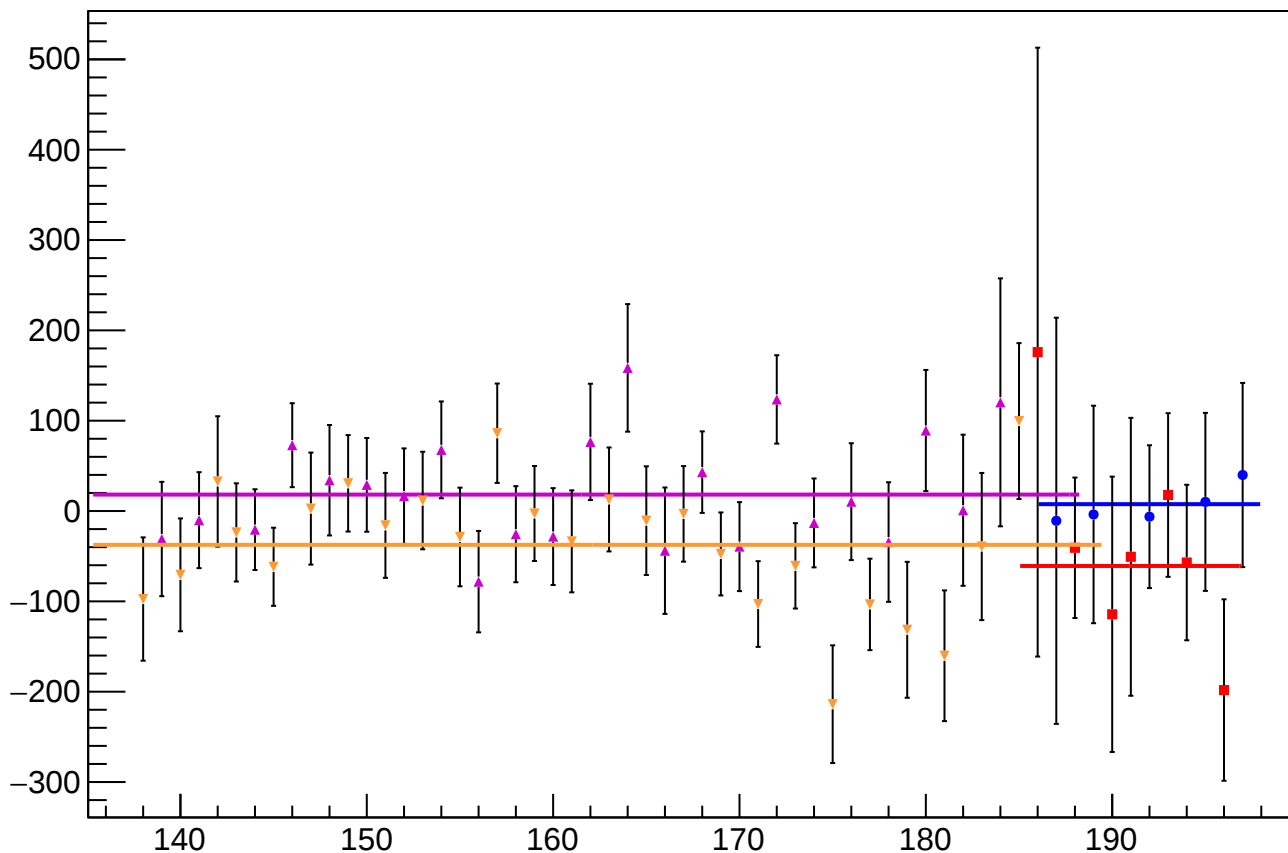
Left In: 473.983 $\pm$ 0.083 χ^2 /NDF: 2087113.7/22

+ sign 491.401 $\pm$ 0.081 χ^2 /NDF: 6123170.1/29

All: 493.258 $\pm$ 0.058 χ^2 /NDF: 13134650.1/59

- sign 495.175 $\pm$ 0.082 χ^2 /NDF: 7010417.2/29

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 7.598 ± 47.248 χ^2/NDF : 0.1/4

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -60.806 ± 40.309 χ^2/NDF : 3.3/6

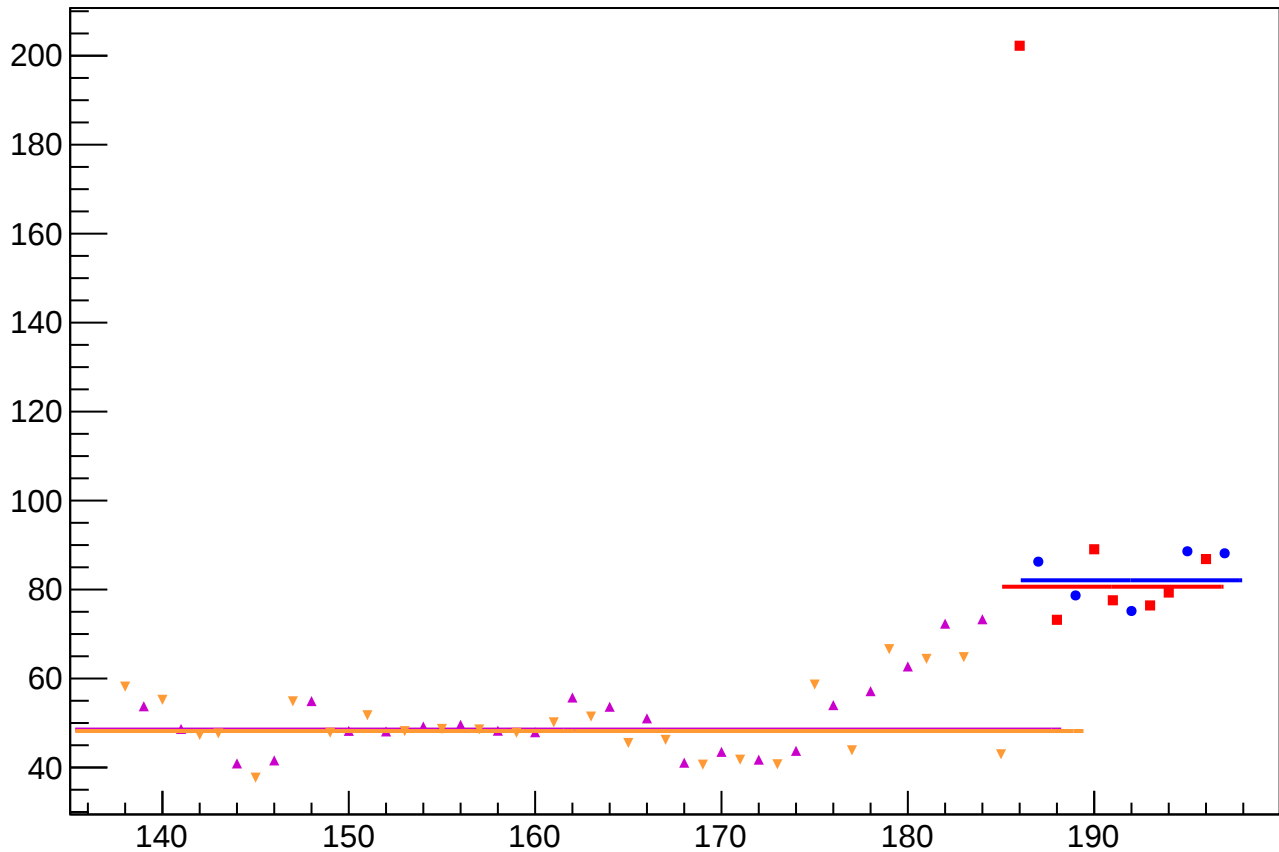
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -34.941 ± 11.073 χ^2/NDF : 31.5/29

All: -11.984 ± 7.913 χ^2/NDF : 70.1/59

- sign 11.985 ± 11.314 χ^2/NDF : 29.8/29

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 82.079 $\pm$ 0.033 χ^2 /NDF: 33386.6/4

Left Out: 48.200 $\pm$ 0.008 χ^2 /NDF: 750196.2/24

Right Out: 80.637 $\pm$ 0.029 χ^2 /NDF: 298015.9/6

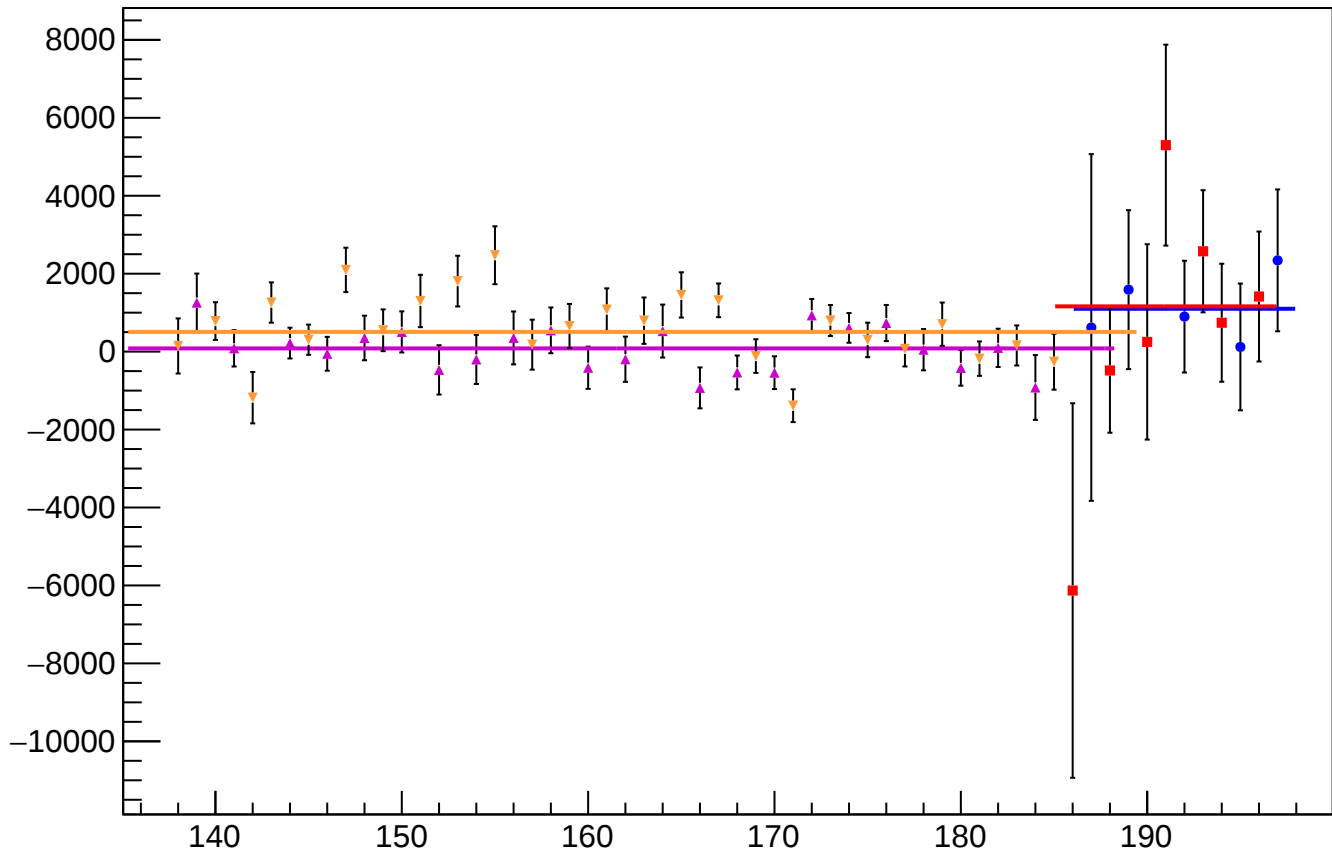
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 50.060 $\pm$ 0.008 χ^2 /NDF: 1755472.5/29

All: 50.548 $\pm$ 0.006 χ^2 /NDF: 3905909.2/59

- sign 51.056 $\pm$ 0.008 χ^2 /NDF: 2142518.4/29

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1099.942 $\pm$ 828.353 χ^2 /NDF: 0.9/4

Left Out: 506.205 $\pm$ 103.468 χ^2 /NDF: 65.7/24

Right Out: 1161.610 $\pm$ 716.513 χ^2 /NDF: 7.0/6

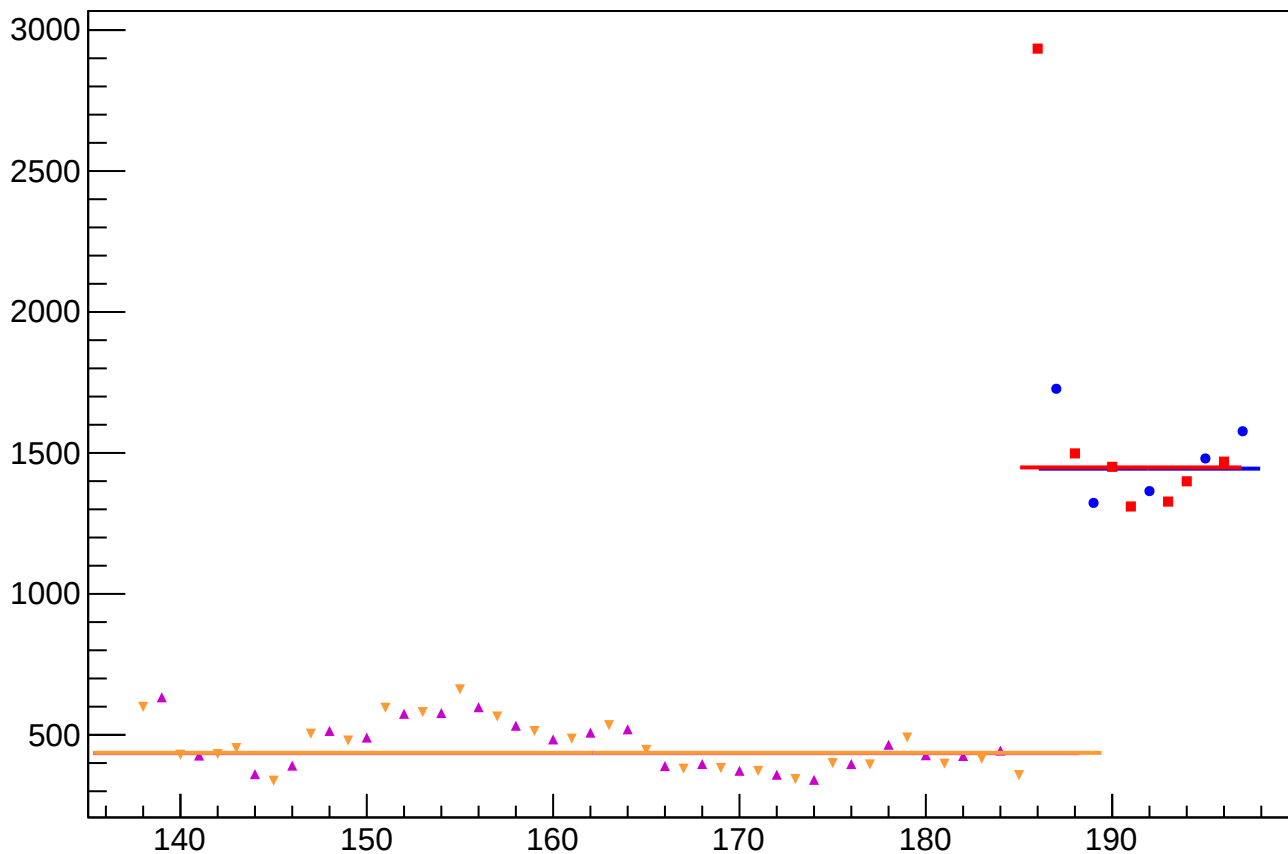
Left In: 82.421 $\pm$ 105.935 χ^2 /NDF: 25.3/22

+ sign 515.326 $\pm$ 102.670 χ^2 /NDF: 67.1/29

All: 314.616 $\pm$ 73.339 χ^2 /NDF: 109.5/59

- sign 105.506 $\pm$ 104.796 χ^2 /NDF: 34.6/29

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1444.381+/-0.586 χ^2/NDF : 32983.7/4

Left Out: 436.301+/-0.073 χ^2/NDF : 1179348.4/24

Right Out: 1448.596+/-0.507 χ^2/NDF : 213214.5/6

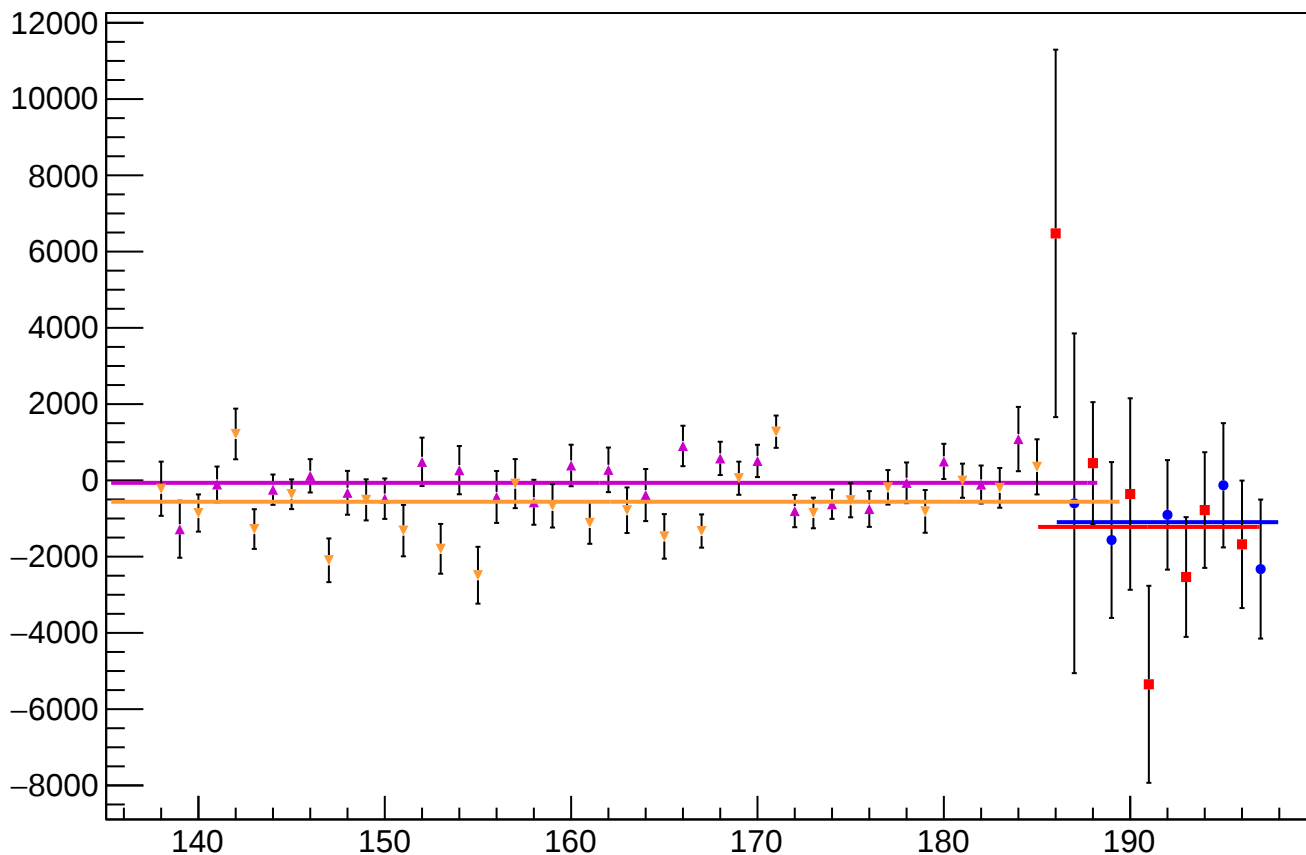
Left In: 435.275+/-0.075 χ^2/NDF : 1027713.1/22

+ sign 451.788+/-0.073 χ^2/NDF : 4128850.3/29

All: 454.317+/-0.052 χ^2/NDF : 9286829.9/59

- sign 456.951+/-0.074 χ^2/NDF : 5155502.0/29

asym_sam_15_48_dd_mean vs Slug



Right In: -1096.003 ± 829.806 χ^2/NDF : 0.9/4

Left Out: -560.684 ± 104.207 χ^2/NDF : 61.8/24

Right Out: -1220.921 ± 717.809 χ^2/NDF : 7.2/6

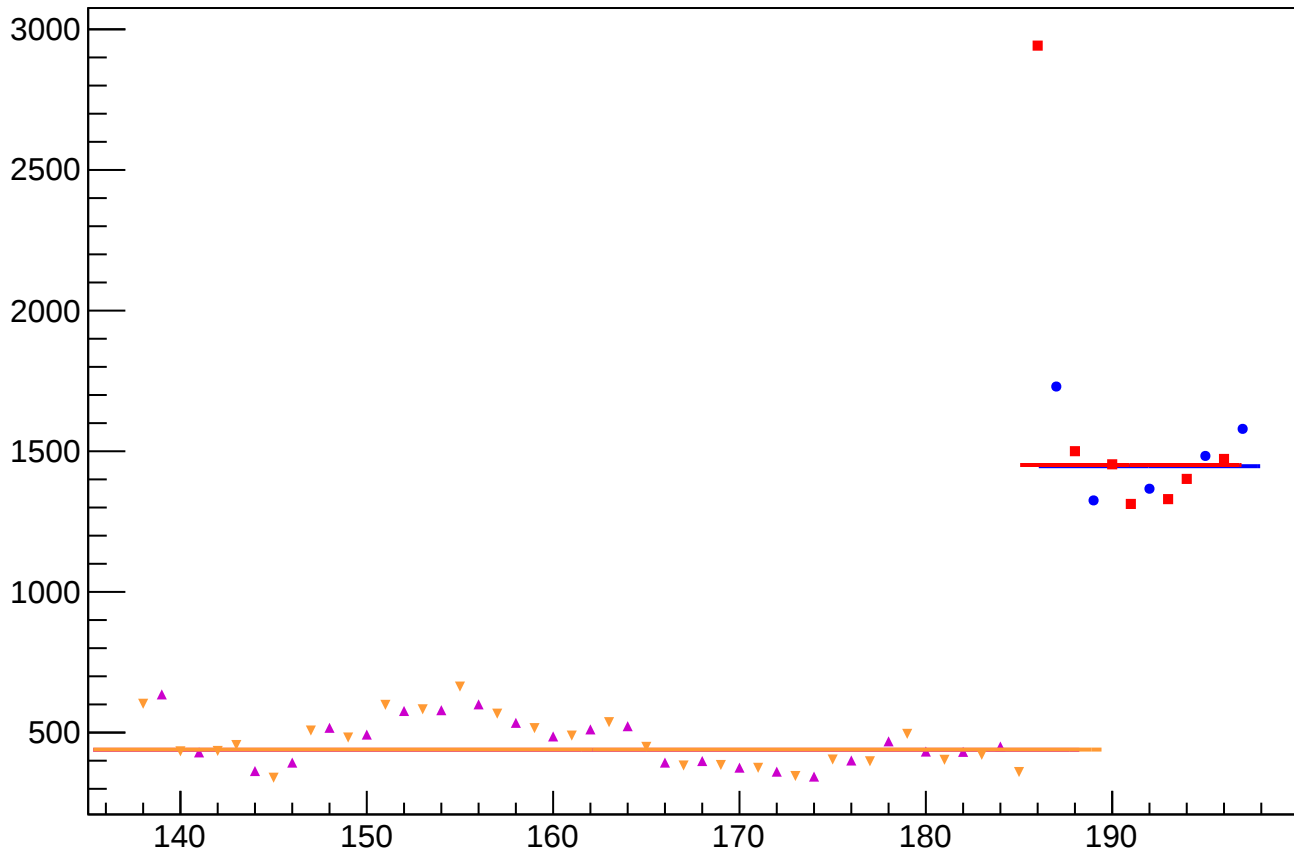
Left In: -64.594 ± 106.708 χ^2/NDF : 25.2/22

+ sign -568.995 ± 103.395 χ^2/NDF : 63.1/29

All: -334.234 ± 73.861 χ^2/NDF : 108.5/59

- sign -89.595 ± 105.548 χ^2/NDF : 34.9/29

asym_sam_15_48_dd_rms vs Slug



Right In: 1446.917 $\pm$ 0.587 χ^2 /NDF: 32990.5/4

Left Out: 439.527 $\pm$ 0.074 χ^2 /NDF: 1163352.8/24

Right Out: 1451.199 $\pm$ 0.508 χ^2 /NDF: 213472.8/6

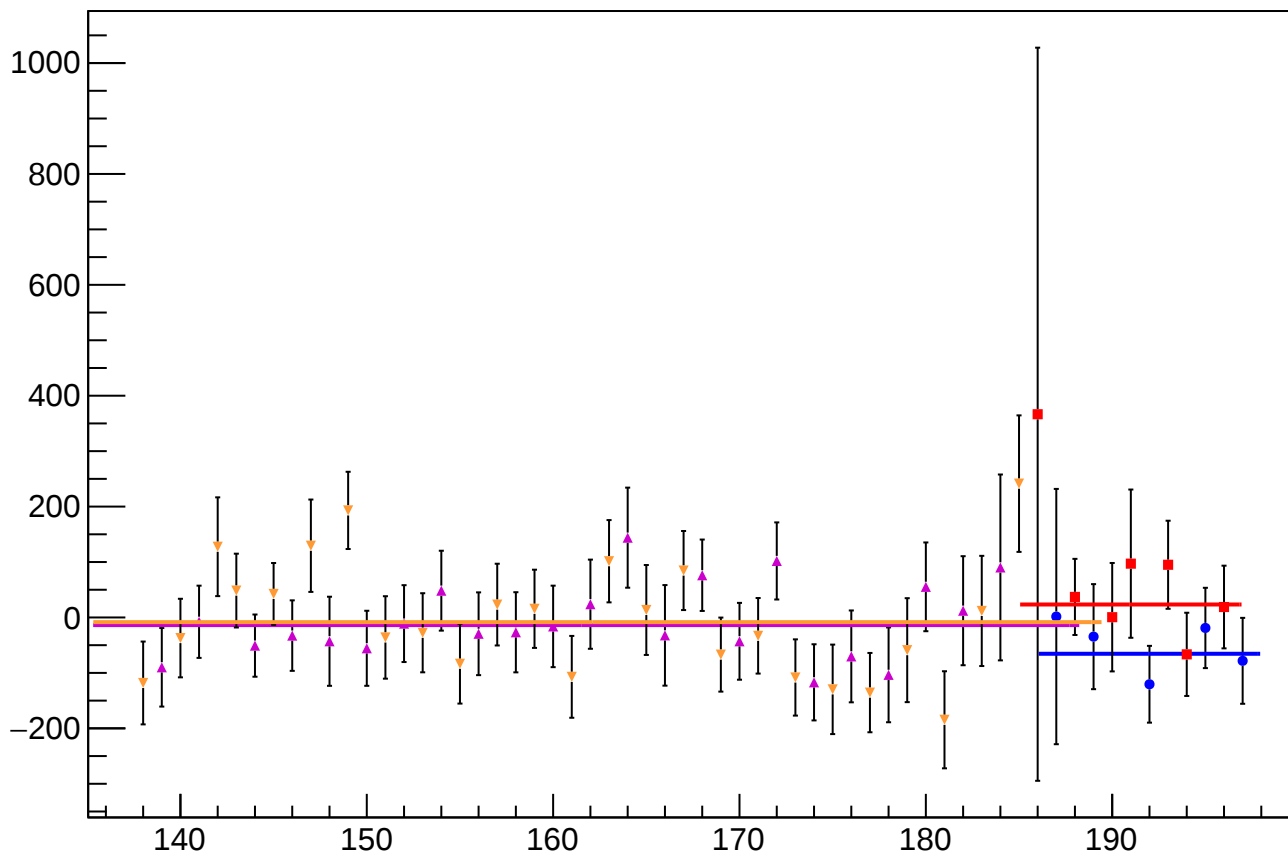
Left In: 438.548 $\pm$ 0.075 χ^2 /NDF: 1013071.4/22

+ sign 455.167 $\pm$ 0.073 χ^2 /NDF: 4098210.0/29

All: 457.750 $\pm$ 0.052 χ^2 /NDF: 9221690.7/59

- sign 460.442 $\pm$ 0.075 χ^2 /NDF: 5120931.3/29

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -65.489 ± 37.909 χ^2/NDF : 1.3/4

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: 23.379 ± 33.505 χ^2/NDF : 2.9/6

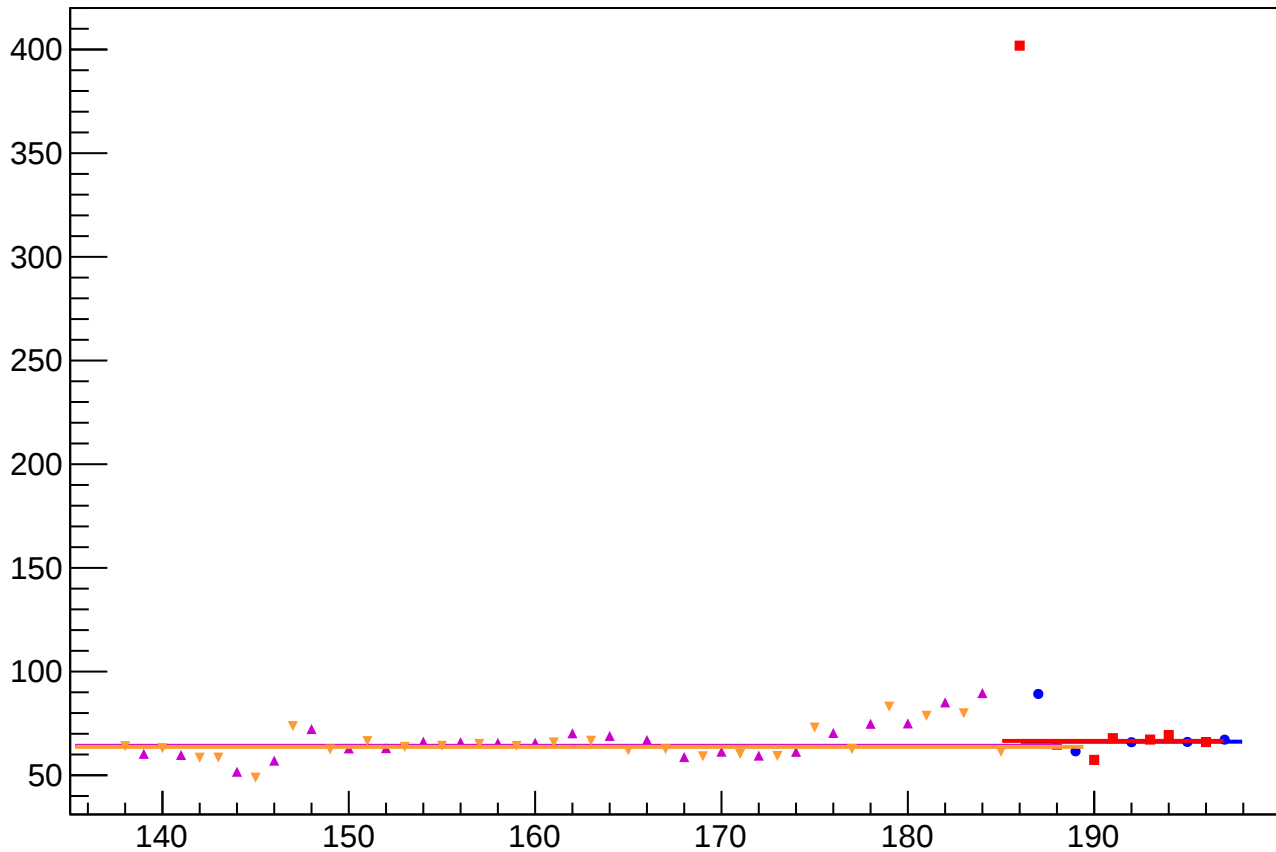
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -16.084 ± 13.895 χ^2/NDF : 44.8/29

All: -11.691 ± 9.880 χ^2/NDF : 65.2/59

- sign -7.198 ± 14.051 χ^2/NDF : 20.2/29

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 66.194 $\pm$ 0.027 χ^2 /NDF: 25155.6/4

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 66.570 $\pm$ 0.024 χ^2 /NDF: 536501.0/6

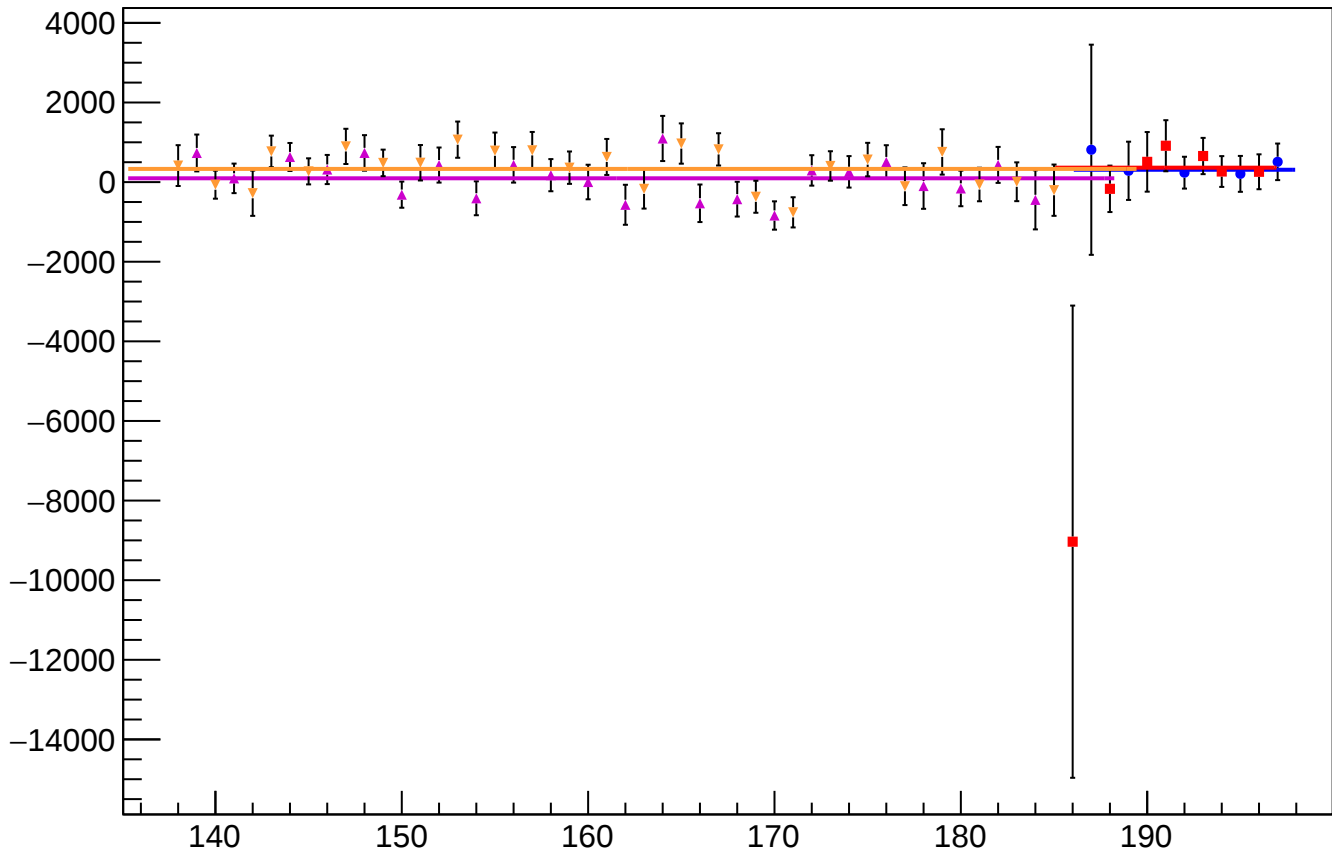
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 64.032 $\pm$ 0.010 χ^2 /NDF: 481115.3/29

All: 64.317 $\pm$ 0.007 χ^2 /NDF: 1457312.1/59

- sign 64.608 $\pm$ 0.010 χ^2 /NDF: 974496.1/29

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 310.390 ± 236.214 χ^2/NDF : 0.3/4

Left Out: 331.739 ± 86.071 χ^2/NDF : 29.9/24

Right Out: 362.739 ± 204.587 χ^2/NDF : 4.6/6

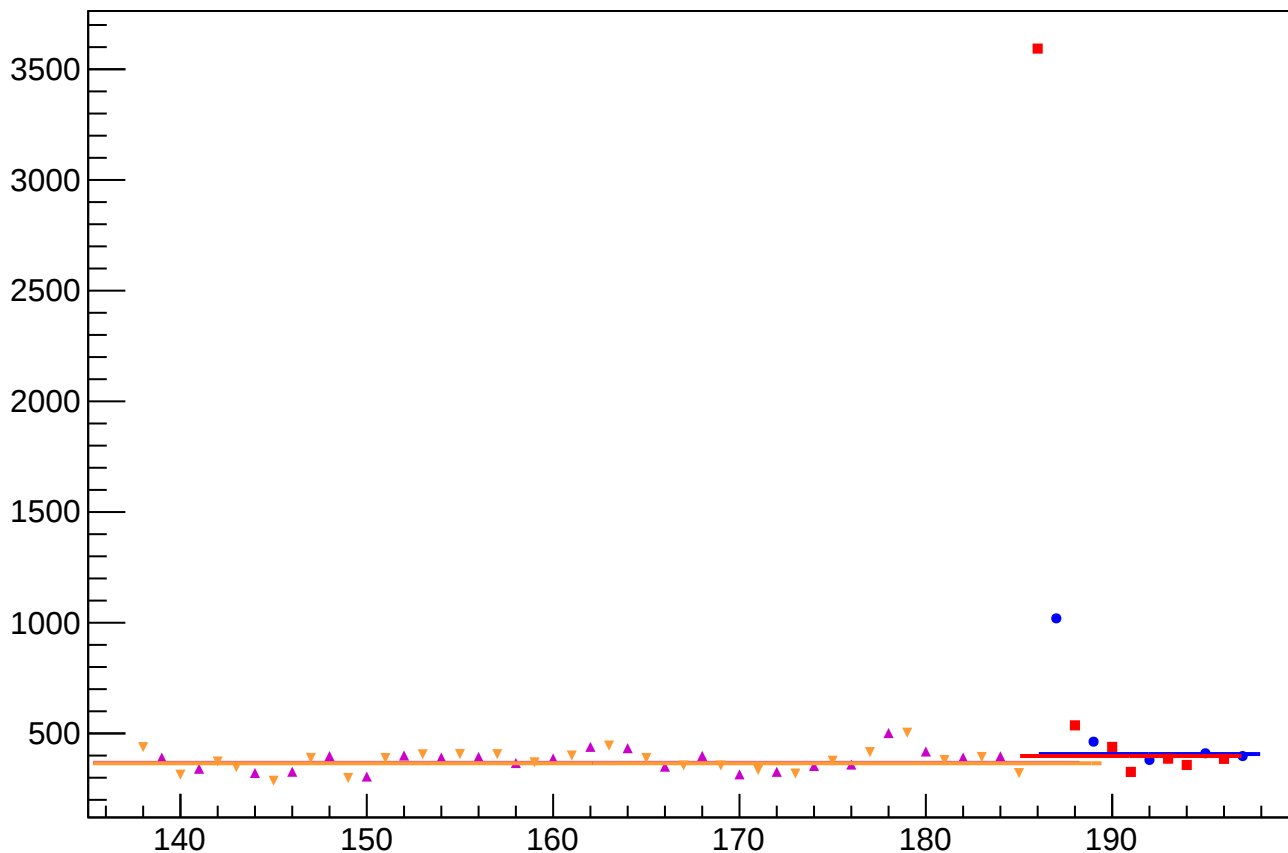
Left In: 95.910 ± 88.656 χ^2/NDF : 28.7/22

+ sign 329.237 ± 80.870 χ^2/NDF : 30.2/29

All: 234.227 ± 57.351 χ^2/NDF : 67.7/59

- sign 138.094 ± 81.347 χ^2/NDF : 34.8/29

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 406.864 +/- 0.167 χ^2/NDF : 129225.9/4

Left Out: 365.355 +/- 0.061 χ^2/NDF : 618453.7/24

Right Out: 398.089 +/- 0.145 χ^2/NDF : 749369.9/6

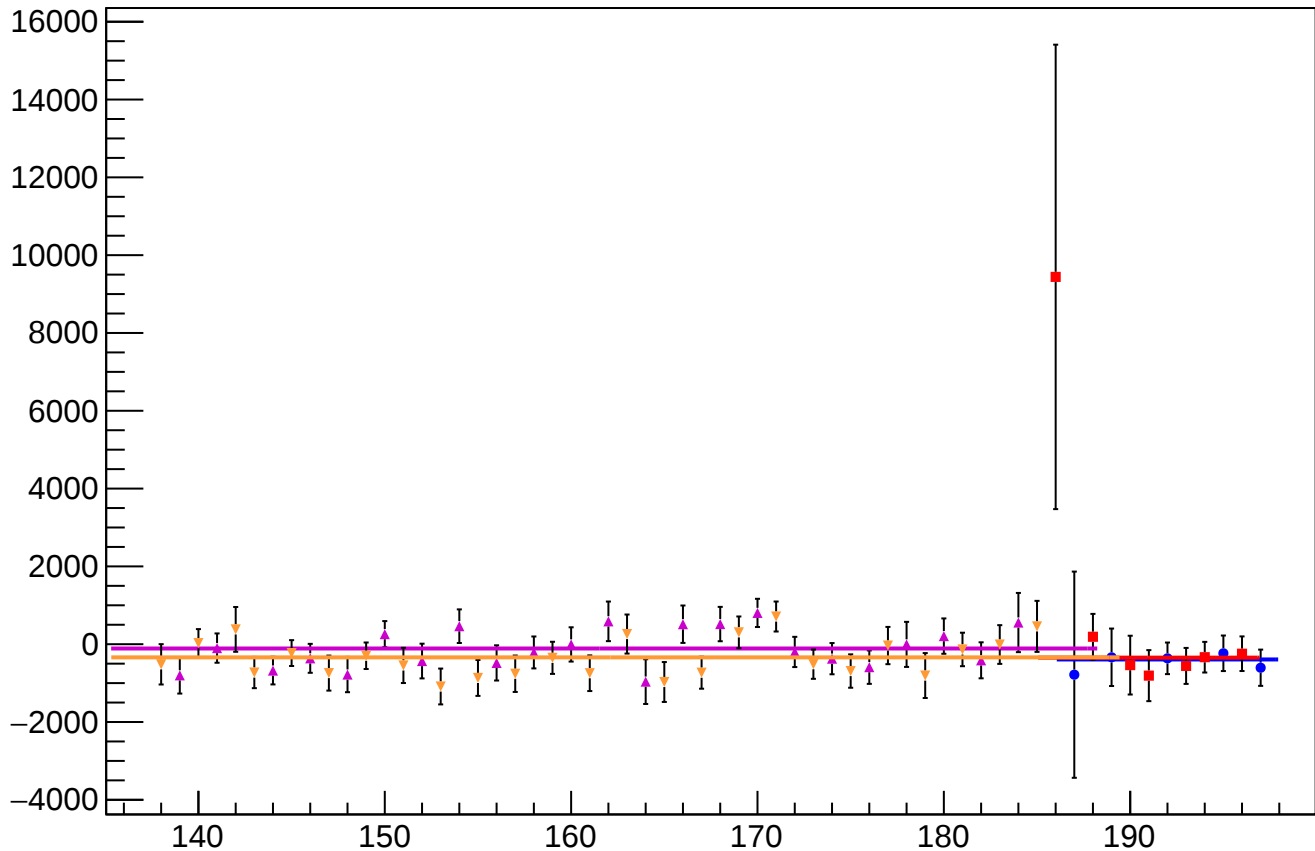
Left In: 366.925 +/- 0.063 χ^2/NDF : 478082.1/22

+ sign 370.220 +/- 0.057 χ^2/NDF : 802199.4/29

All: 371.031 +/- 0.041 χ^2/NDF : 2069126.3/59

- sign 371.852 +/- 0.058 χ^2/NDF : 1266522.5/29

asym_sam_37_48_dd_mean vs Slug



Right In: -392.104 $\pm$ 239.460 χ^2 /NDF: 0.4/4

Left Out: -338.528 $\pm$ 87.450 χ^2 /NDF:28.2/24

Right Out: -345.299 $\pm$ 207.756 χ^2 /NDF: 4.3/6

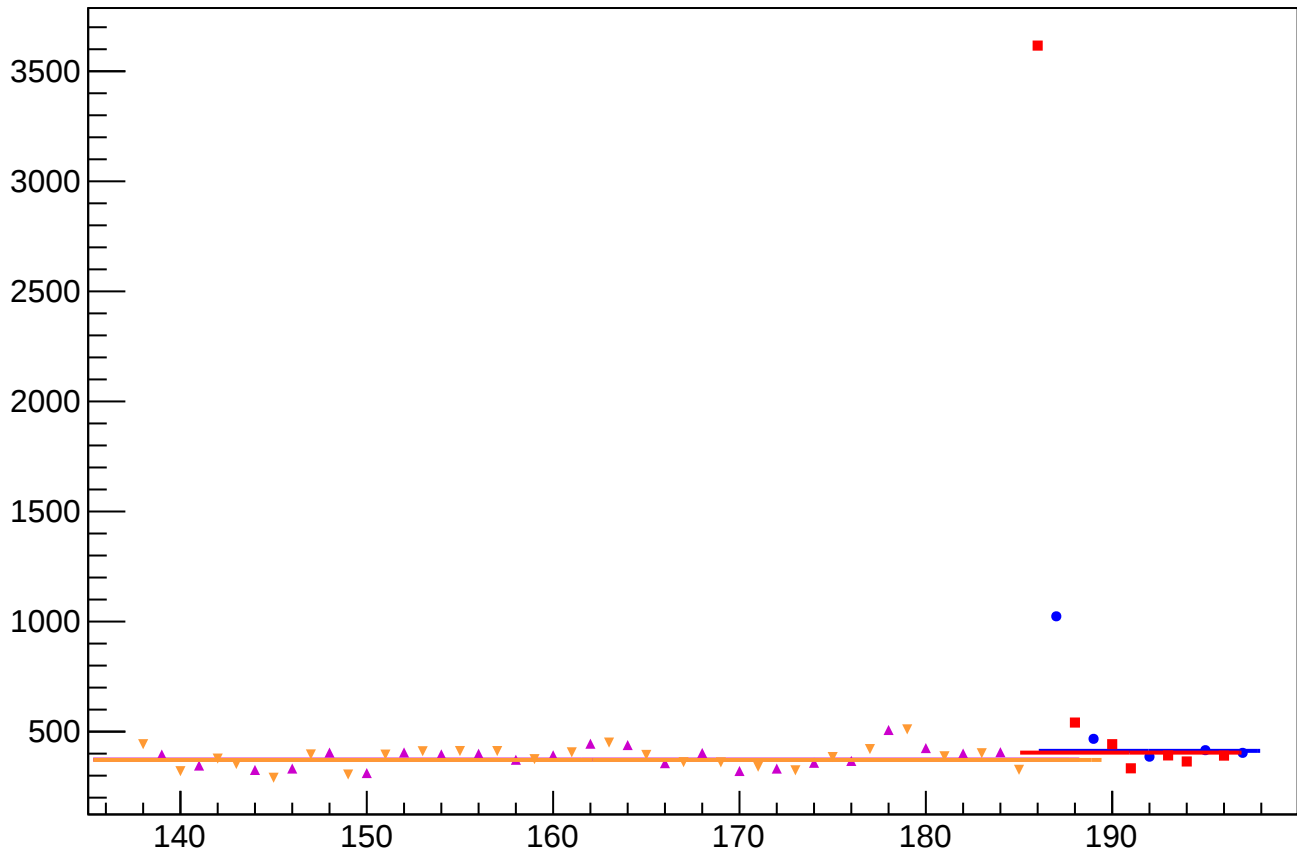
Left In: -110.341 $\pm$ 90.084 χ^2 /NDF:29.2/22

+ sign -344.833 $\pm$ 82.144 χ^2 /NDF: 28.6/29

All: -246.783 $\pm$ 58.262 χ^2 /NDF: 66.1/59

- sign -147.525 $\pm$ 82.649 χ^2 /NDF: 34.6/29

asym_sam_37_48_dd_rms vs Slug



Right In: 412.602 $\pm$ 0.169 χ^2 /NDF: 126716.6/4

Left Out: 371.356 $\pm$ 0.062 χ^2 /NDF: 604070.6/24

Right Out: 404.591 $\pm$ 0.147 χ^2 /NDF: 740041.2/6

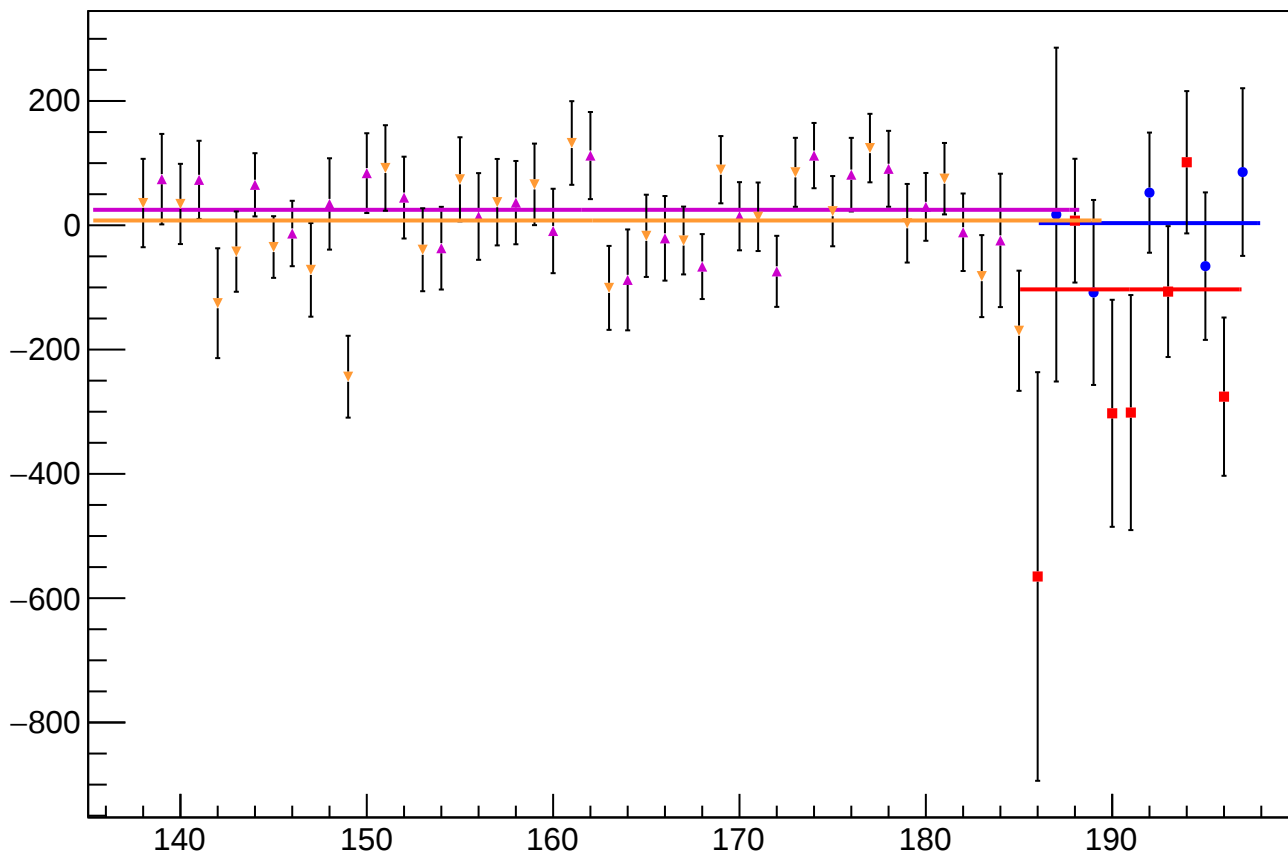
Left In: 372.938 $\pm$ 0.064 χ^2 /NDF: 467340.9/22

+ sign 376.210 $\pm$ 0.058 χ^2 /NDF: 783142.1/29

All: 377.073 $\pm$ 0.041 χ^2 /NDF: 2030048.6/59

- sign 377.947 $\pm$ 0.058 χ^2 /NDF: 1246461.8/29

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 3.471 ± 58.522 $\chi^2/\text{NDF}: 1.5/4$

Left Out: 7.723 ± 12.656 $\chi^2/\text{NDF}: 45.4/24$

Right Out: -103.151 ± 50.238 $\chi^2/\text{NDF}: 10.5/6$

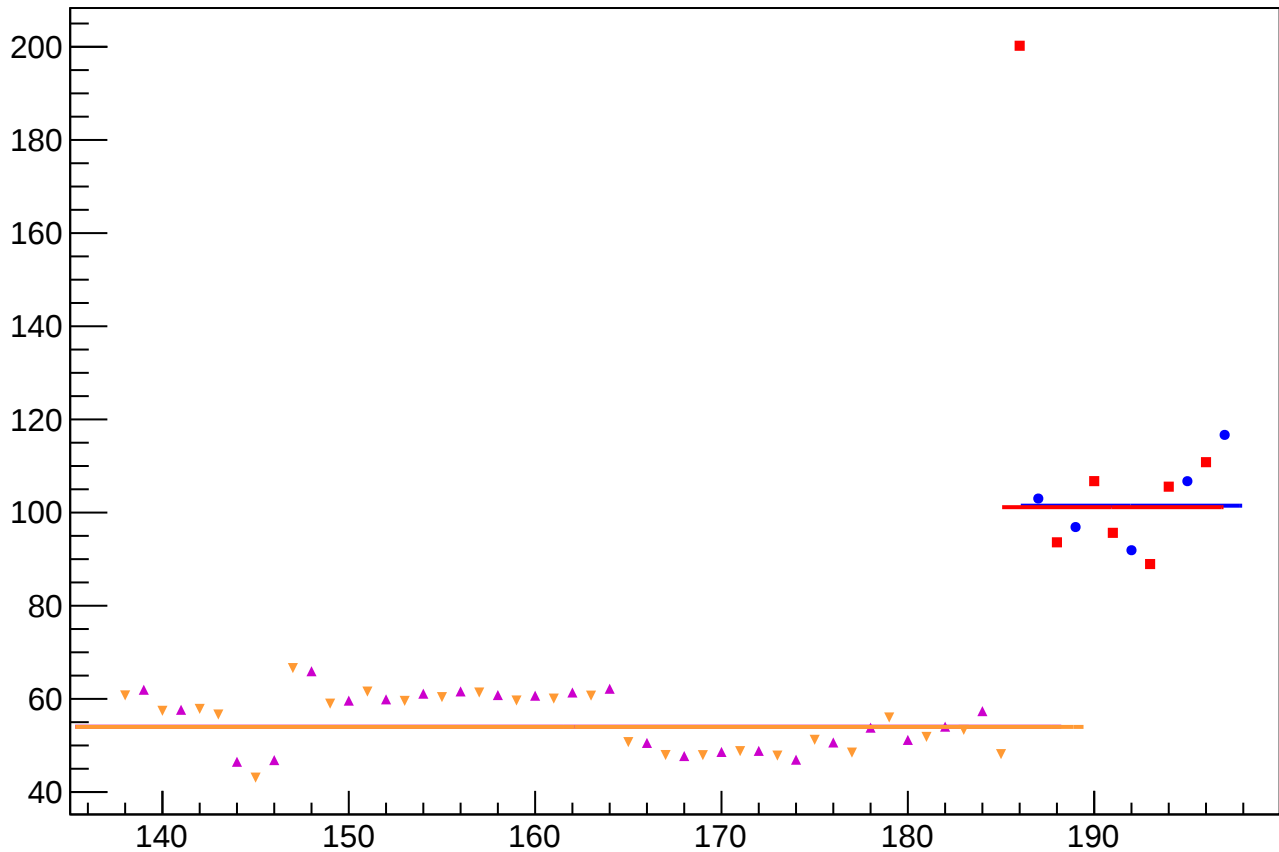
Left In: 24.887 ± 13.029 $\chi^2/\text{NDF}: 19.7/22$

+ sign 7.534 ± 12.370 $\chi^2/\text{NDF}: 47.0/29$

All: 12.086 ± 8.831 $\chi^2/\text{NDF}: 83.6/59$

- sign 16.819 ± 12.612 $\chi^2/\text{NDF}: 36.3/29$

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 101.481 $\pm$ 0.041 χ^2 /NDF: 50861.1/4

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 101.159 $\pm$ 0.036 χ^2 /NDF: 238045.2/6

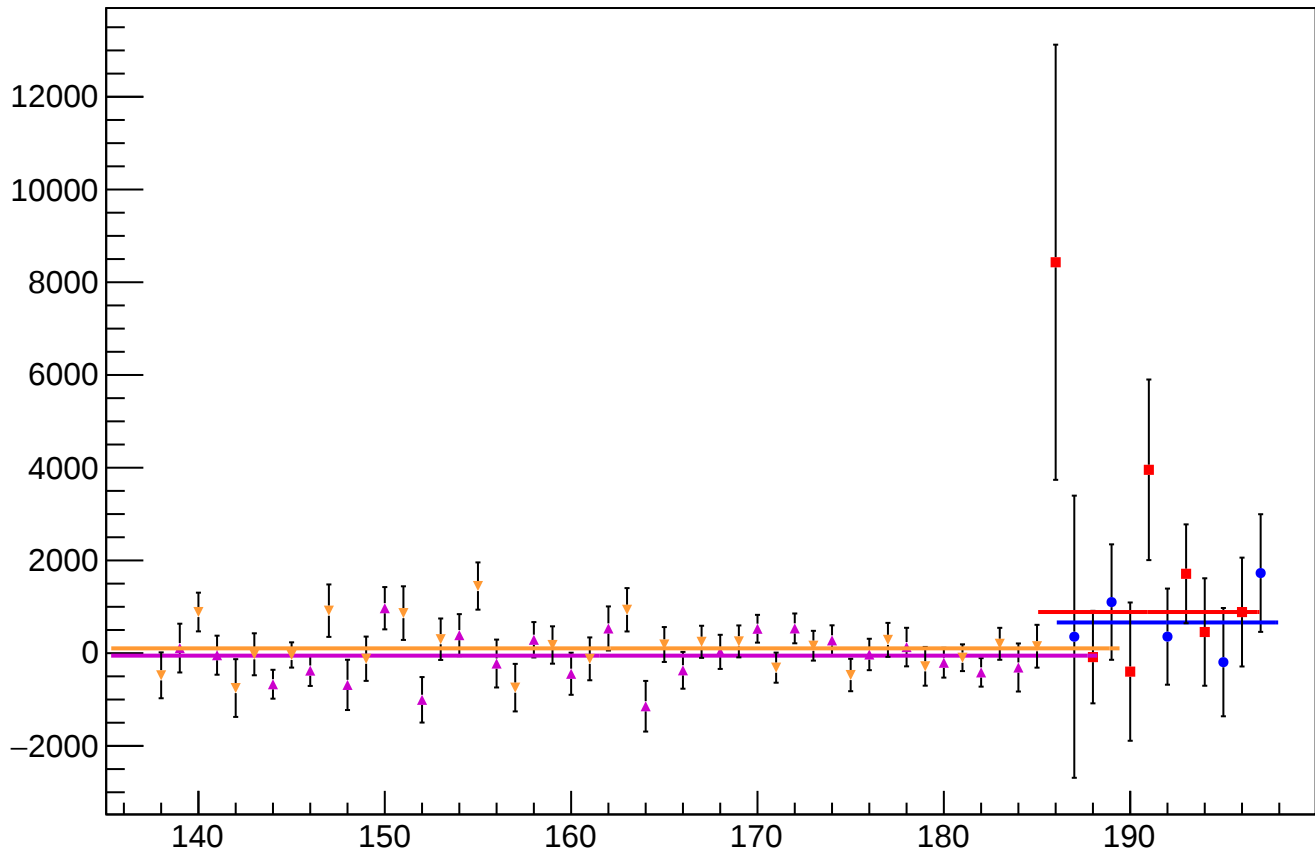
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 56.106 $\pm$ 0.009 χ^2 /NDF: 1768407.4/29

All: 56.543 $\pm$ 0.006 χ^2 /NDF: 4104690.0/59

- sign 56.998 $\pm$ 0.009 χ^2 /NDF: 2331182.4/29

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 662.473+/-573.745 χ^2/NDF : 1.5/4

Left Out: 103.768+/-79.344 χ^2/NDF :31.0/24

Right Out: 887.633+/-493.026 χ^2/NDF : 7.5/6

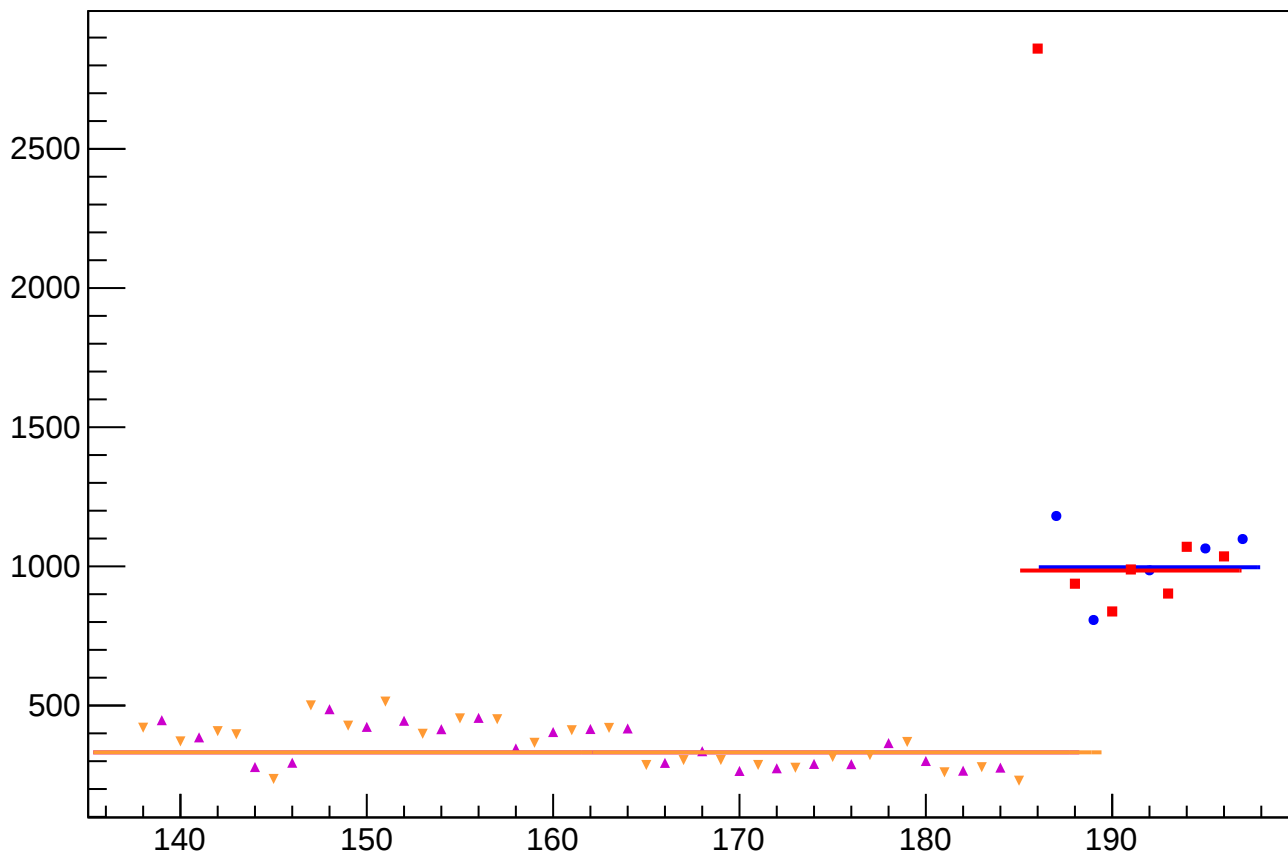
Left In: -53.493+/-81.201 χ^2/NDF :34.1/22

+ sign 114.252+/-78.596 χ^2/NDF : 33.4/29

All: 44.180+/-56.107 χ^2/NDF : 80.1/59

- sign -28.638+/-80.122 χ^2/NDF : 45.1/29

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 996.811 ± 0.406 χ^2/NDF : 73337.9/4

Left Out: 331.770 ± 0.056 χ^2/NDF : 1711721.9/24

Right Out: 985.051 ± 0.349 χ^2/NDF : 369963.5/6

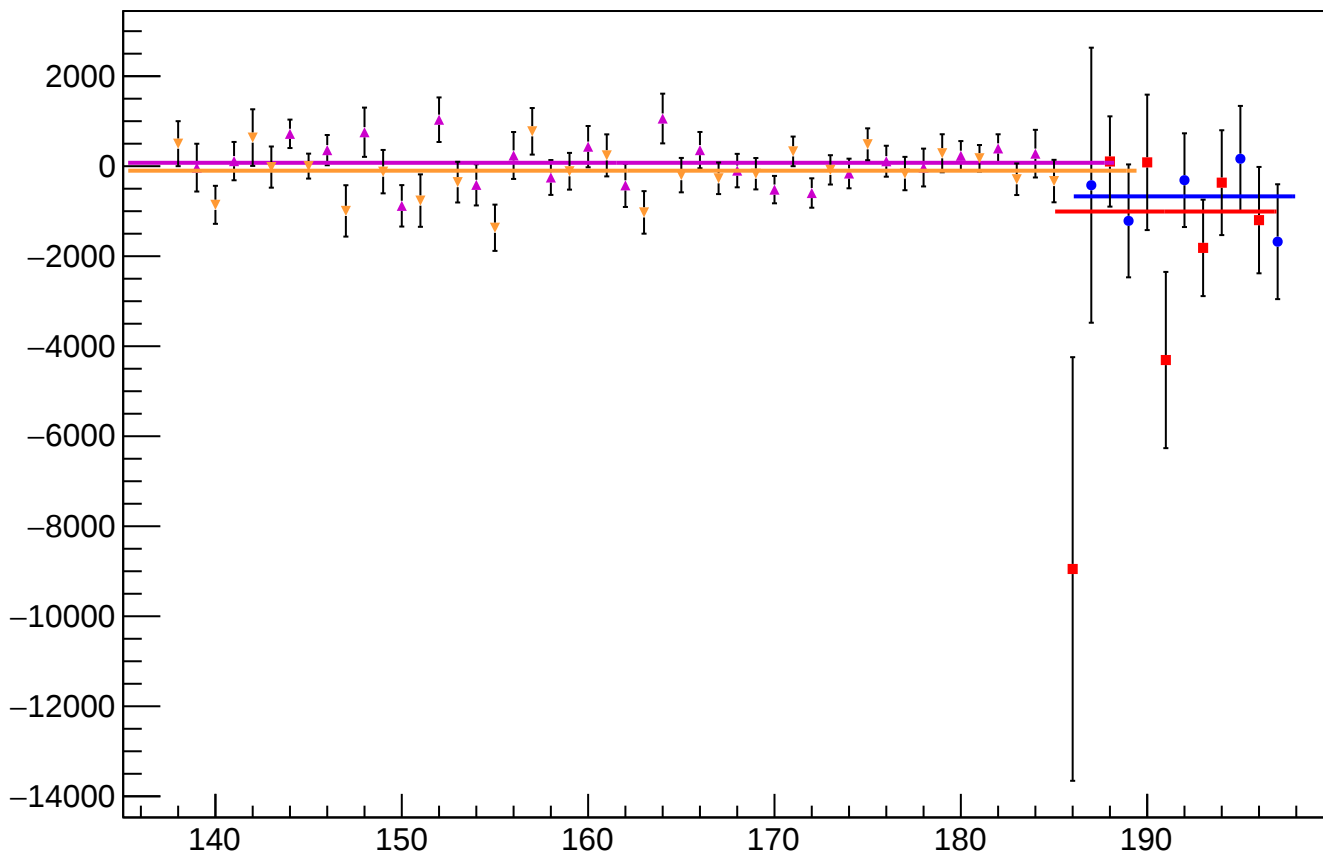
Left In: 331.666 ± 0.057 χ^2/NDF : 1303192.2/22

+ sign 344.250 ± 0.056 χ^2/NDF : 4421766.3/29

All: 346.541 ± 0.040 χ^2/NDF : 9518216.8/59

- sign 348.921 ± 0.057 χ^2/NDF : 5092986.5/29

asym_sam_15_26_dd_mean vs Slug



Right In: -670.466 $\pm$ 576.961 χ^2 /NDF: 1.4/4

Left Out: -99.785 $\pm$ 80.428 χ^2 /NDF:30.7/24

Right Out: -1007.212 $\pm$ 495.909 χ^2 /NDF: 8.3/6

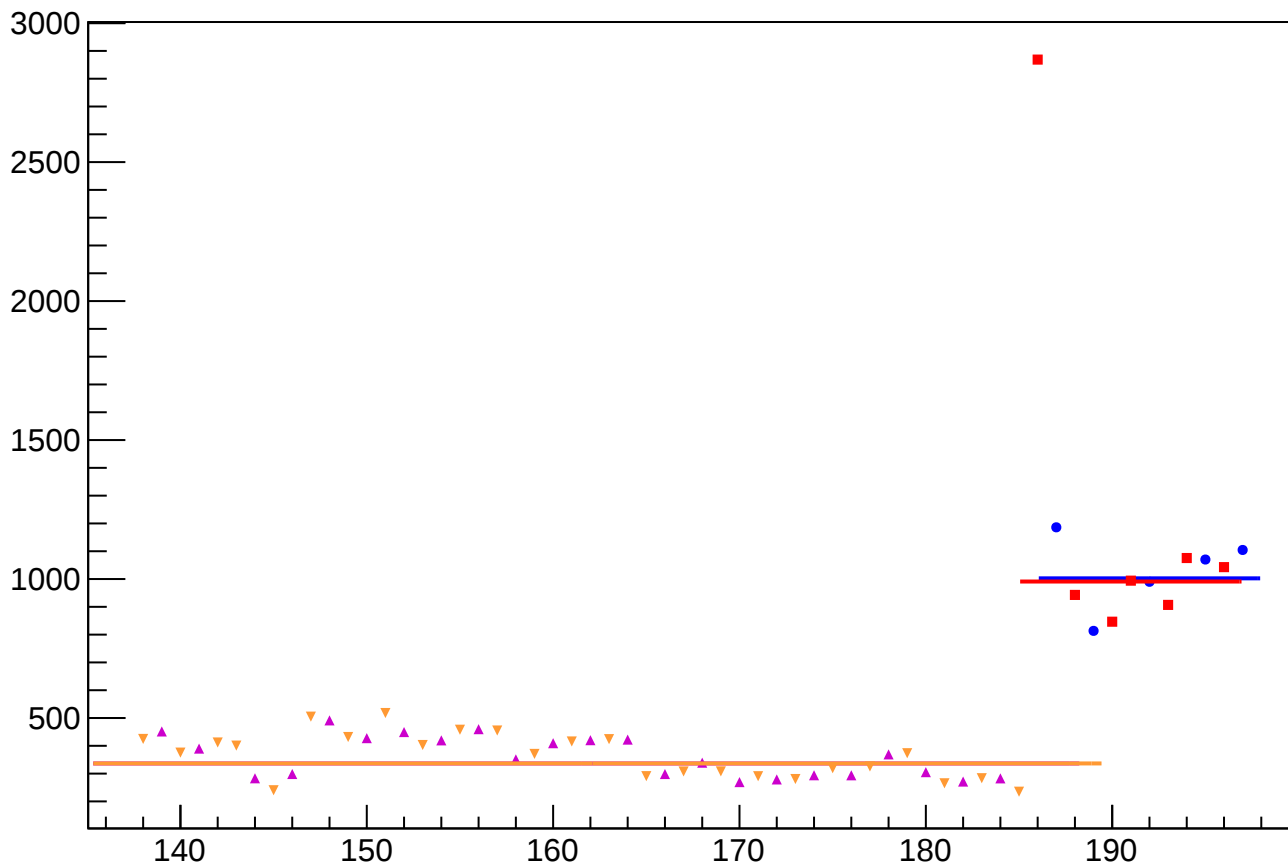
Left In: 75.579 $\pm$ 82.319 χ^2 /NDF:32.1/22

+ sign -110.663 $\pm$ 79.658 χ^2 /NDF: 33.1/29

All: -33.574 $\pm$ 56.866 χ^2 /NDF: 80.0/59

- sign 46.544 $\pm$ 81.207 χ^2 /NDF: 45.1/29

asym_sam_15_26_dd_rms vs Slug



Right In: 1002.478 ± 0.408 χ^2/NDF : 72326.6/4

Left Out: 336.557 ± 0.057 χ^2/NDF : 1665919.4/24

Right Out: 991.036 ± 0.351 χ^2/NDF : 368173.8/6

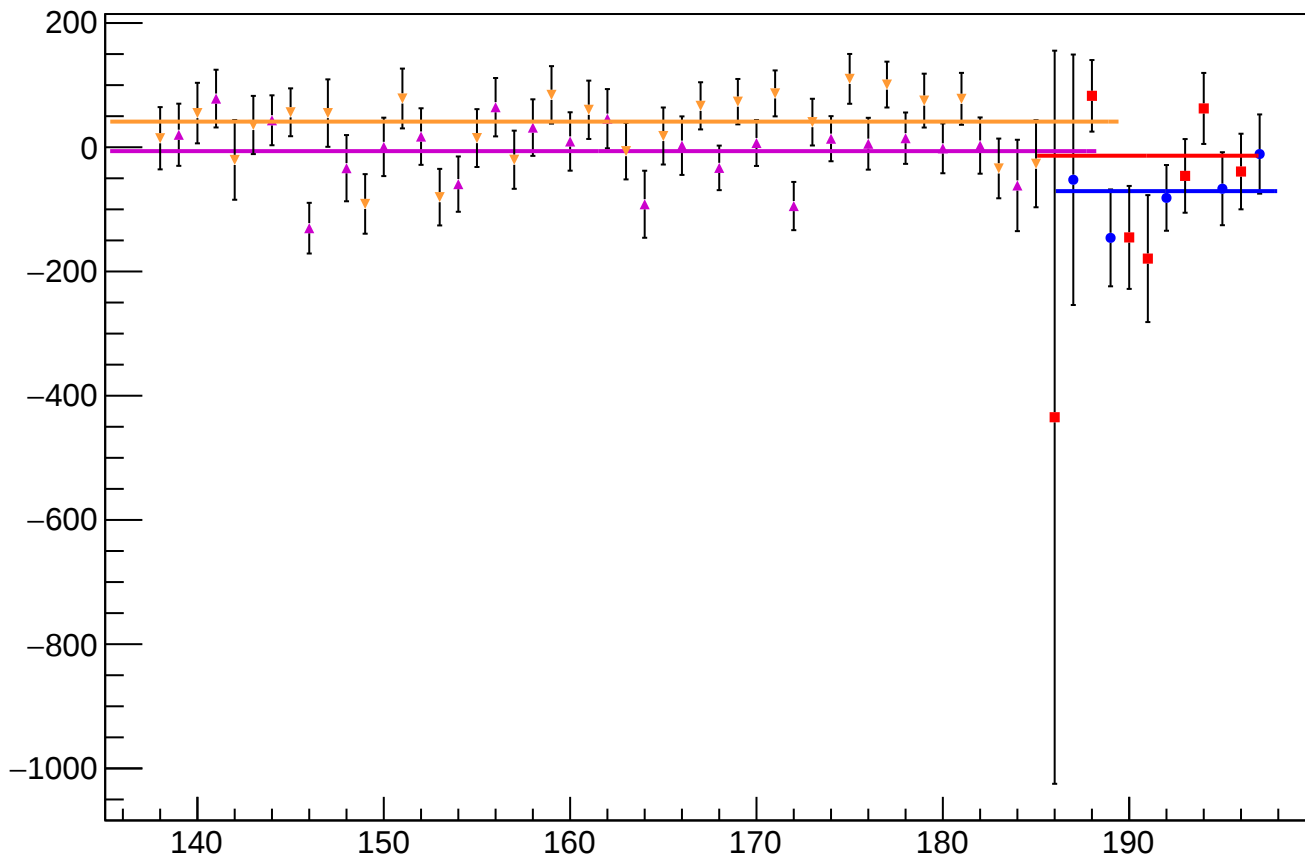
Left In: 336.439 ± 0.058 χ^2/NDF : 1269066.3/22

+ sign 349.251 ± 0.056 χ^2/NDF : 4351756.0/29

All: 351.576 ± 0.040 χ^2/NDF : 9383787.1/59

- sign 353.993 ± 0.057 χ^2/NDF : 5028555.9/29

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -70.646 ± 30.401 $\chi^2/\text{NDF: } 1.9/4$

Left Out: 41.283 ± 8.889 $\chi^2/\text{NDF: } 34.4/24$

Right Out: -13.628 ± 26.671 $\chi^2/\text{NDF: } 10.7/6$

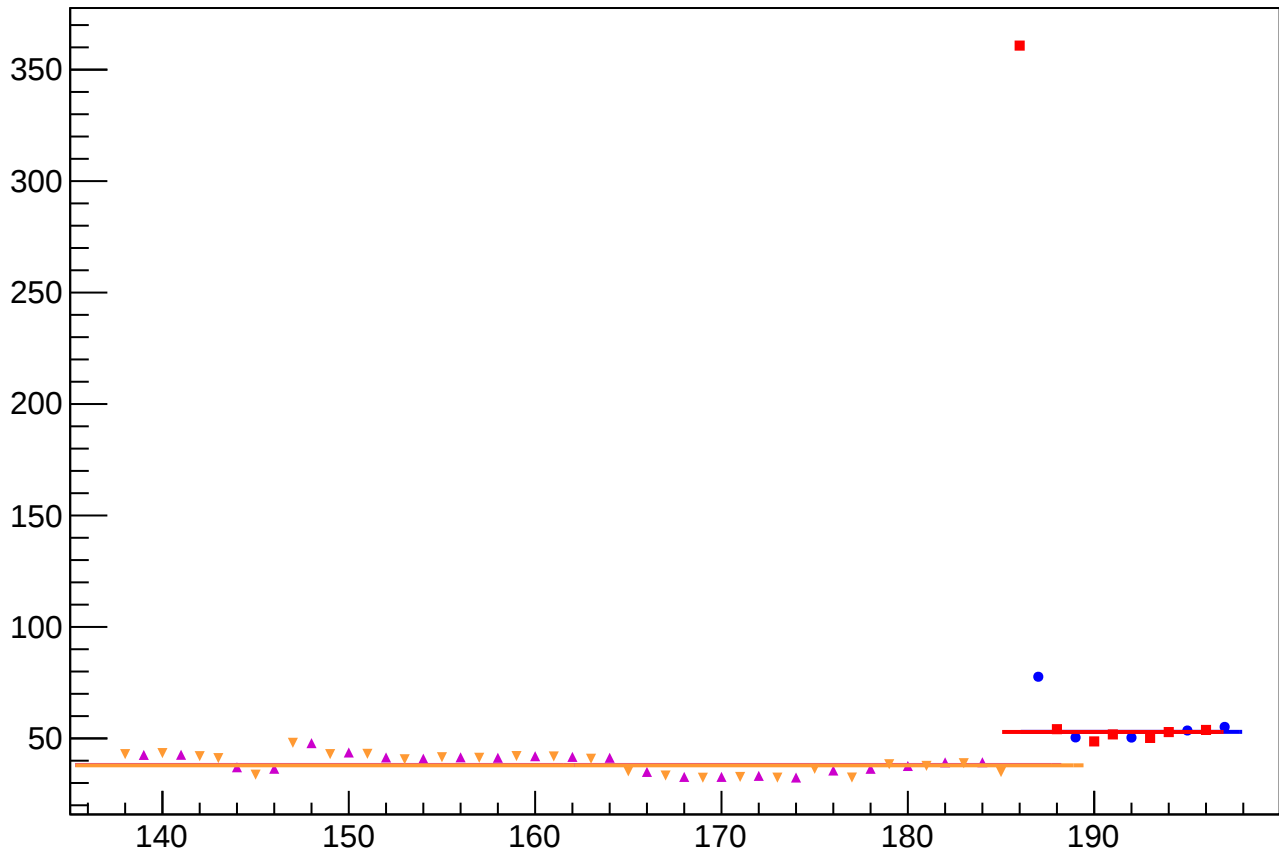
Left In: -6.254 ± 9.175 $\chi^2/\text{NDF: } 30.3/22$

+ sign 32.467 ± 8.532 $\chi^2/\text{NDF: } 48.7/29$

All: 13.046 ± 6.083 $\chi^2/\text{NDF: } 100.3/59$

- sign -7.034 ± 8.676 $\chi^2/\text{NDF: } 41.0/29$

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 52.938 $\pm$ 0.021 χ^2 /NDF: 39508.2/4

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 52.893 $\pm$ 0.019 χ^2 /NDF: 555397.5/6

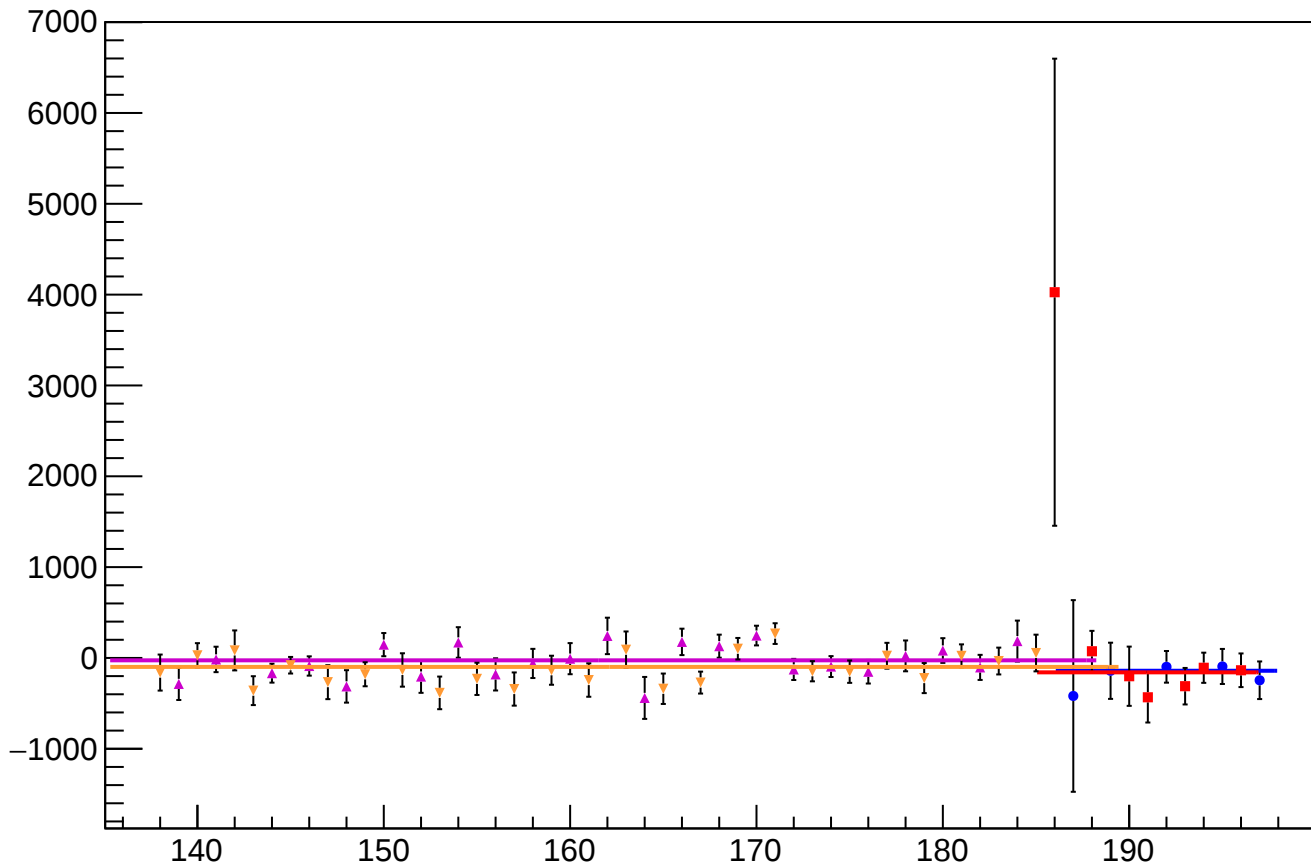
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 39.108 $\pm$ 0.006 χ^2 /NDF: 975905.6/29

All: 39.376 $\pm$ 0.004 χ^2 /NDF: 2482790.9/59

- sign 39.654 $\pm$ 0.006 χ^2 /NDF: 1502853.1/29

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -141.029 ± 102.906 χ^2/NDF : 0.4/4

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -158.590 ± 86.880 χ^2/NDF : 5.4/6

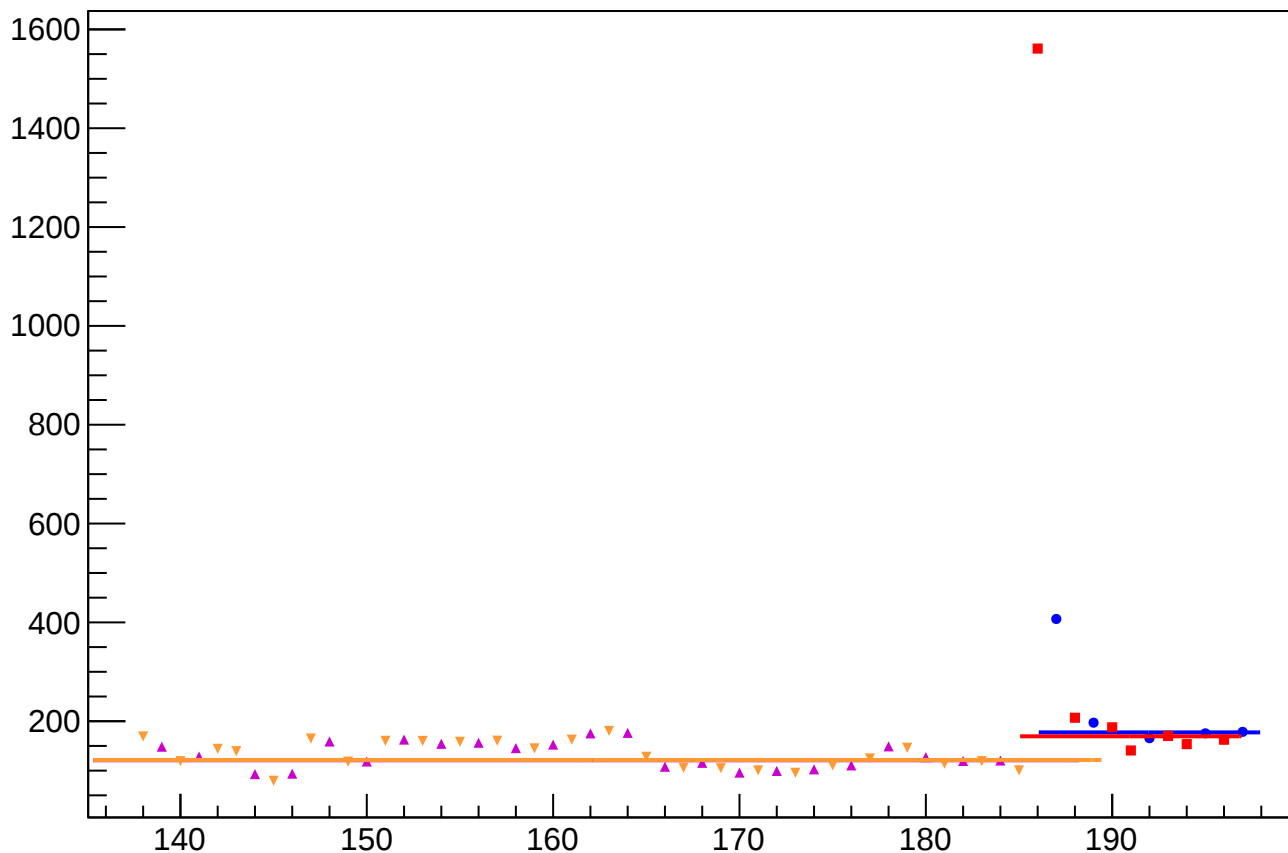
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -101.871 ± 27.998 χ^2/NDF : 33.3/29

All: -71.055 ± 19.827 χ^2/NDF : 73.9/59

- sign -40.052 ± 28.083 χ^2/NDF : 38.1/29

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 177.364+/-0.073 χ^2/NDF : 112129.7/4

Left Out: 121.592+/-0.021 χ^2/NDF : 1711423.9/24

Right Out: 169.454+/-0.061 χ^2/NDF : 690472.5/6

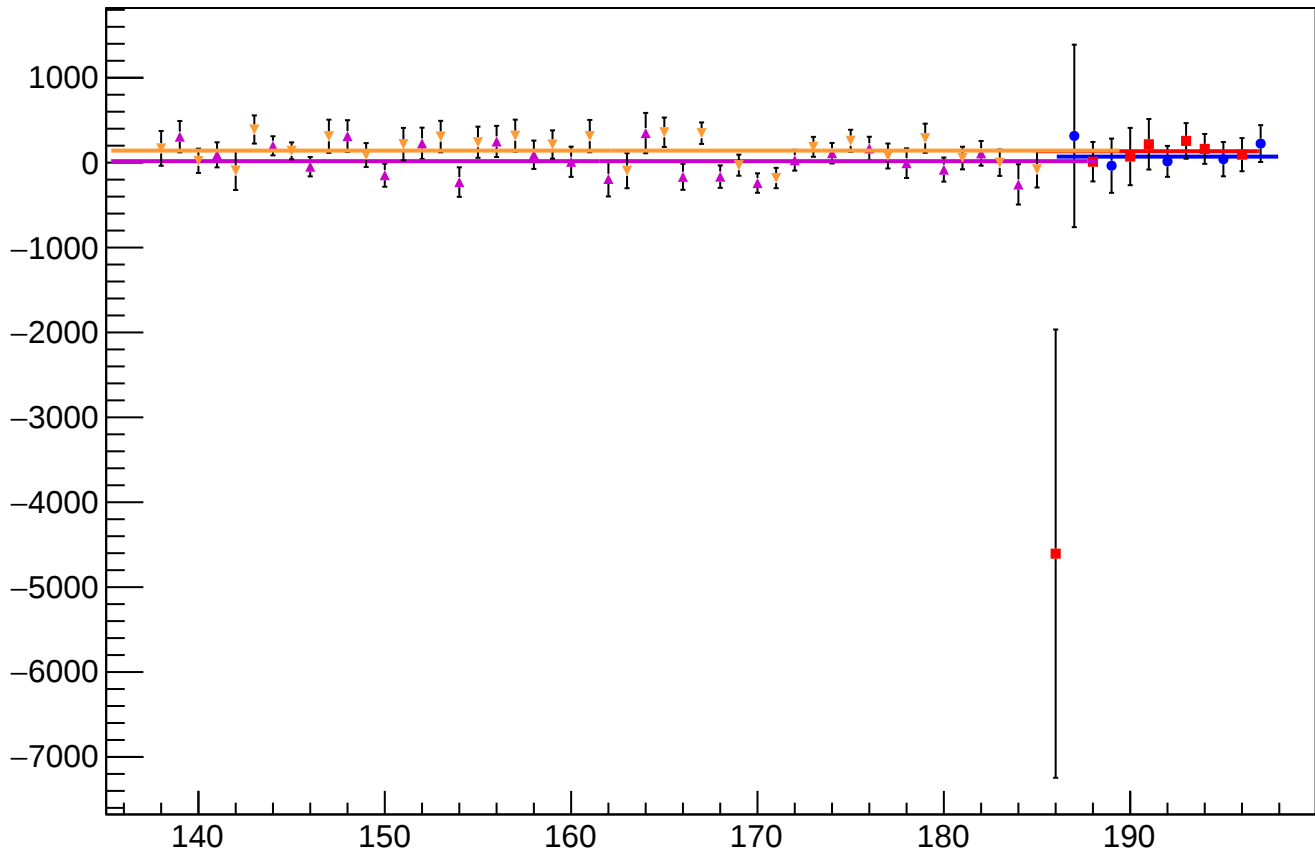
Left In: 120.927+/-0.021 χ^2/NDF : 1382861.4/22

+ sign 125.720+/-0.020 χ^2/NDF : 2367527.0/29

All: 125.858+/-0.014 χ^2/NDF : 4999737.9/59

- sign 125.997+/-0.020 χ^2/NDF : 2632113.4/29

asym_sam_37_26_dd_mean vs Slug



Right In: 71.027 $\pm$ 107.548 χ^2 /NDF: 0.8/4

Left Out: 142.014 $\pm$ 30.574 χ^2 /NDF: 26.9/24

Right Out: 134.549 $\pm$ 91.298 χ^2 /NDF: 4.0/6

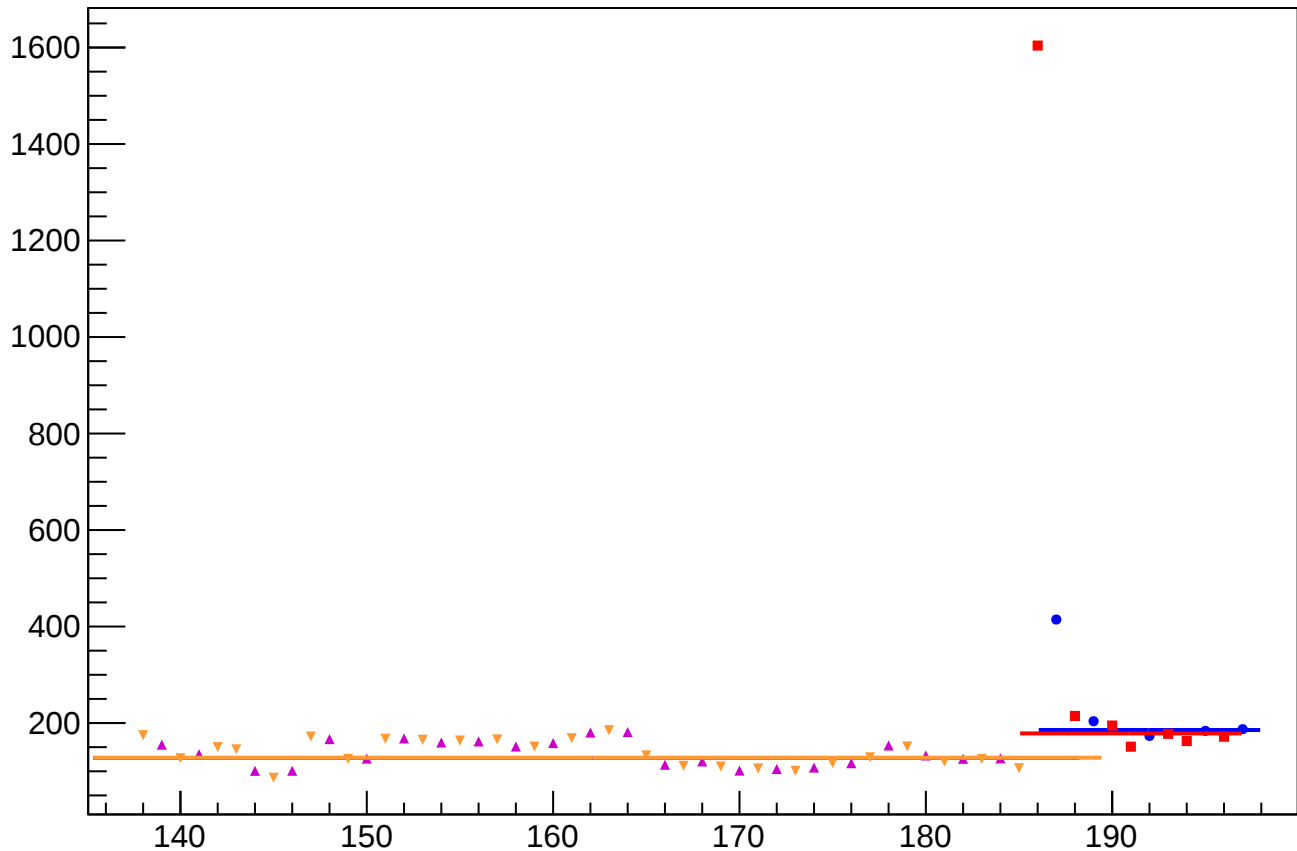
Left In: 17.679 $\pm$ 31.209 χ^2 /NDF: 30.1/22

+ sign 136.706 $\pm$ 29.409 χ^2 /NDF: 28.1/29

All: 83.527 $\pm$ 20.838 χ^2 /NDF: 70.3/59

- sign 29.907 $\pm$ 29.531 χ^2 /NDF: 35.6/29

asym_sam_37_26_dd_rms vs Slug



Right In: 185.554 $\pm$ 0.076 χ^2 /NDF: 106647.2/4

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF: 1532922.0/24

Right Out: 178.476 $\pm$ 0.065 χ^2 /NDF: 671767.8/6

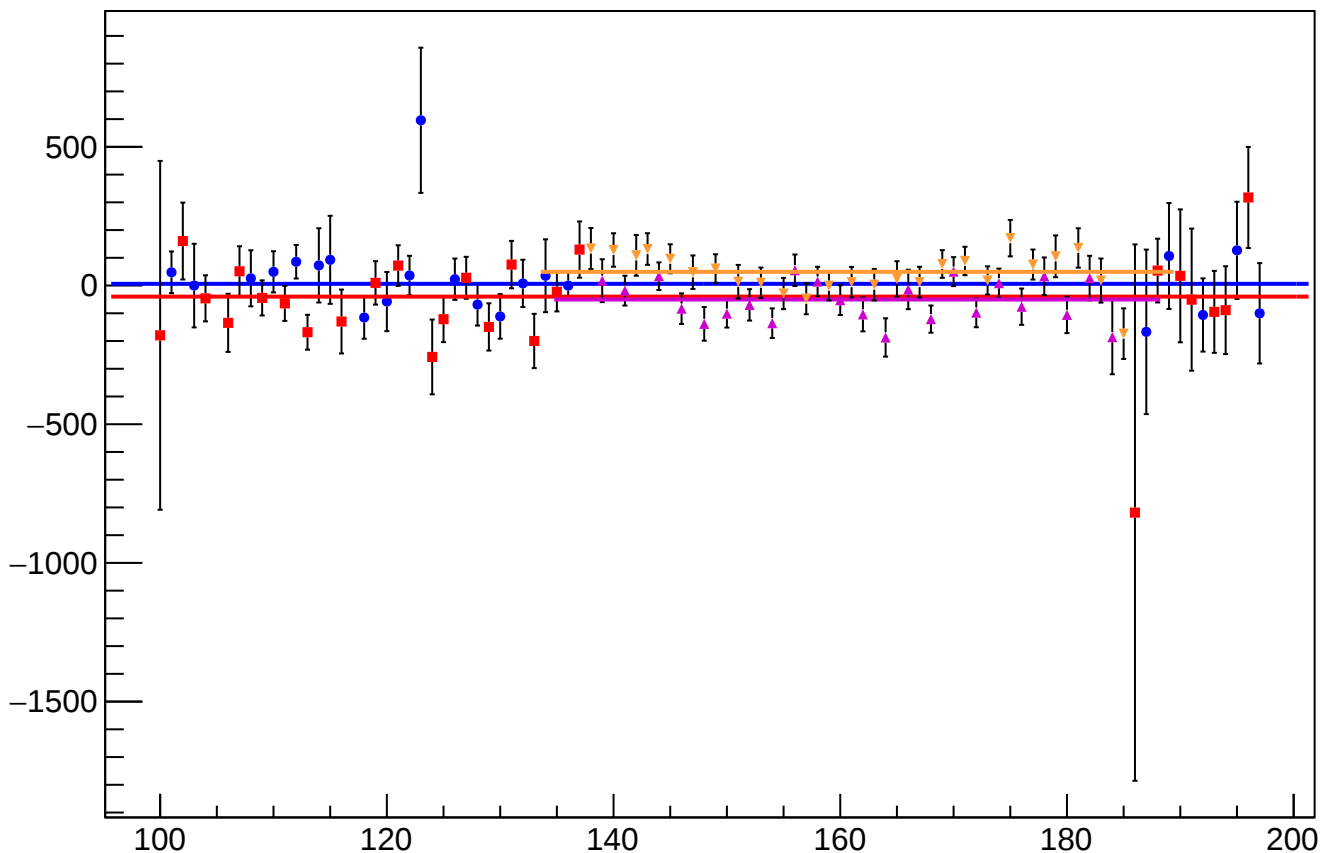
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF: 1235705.3/22

+ sign 132.466 $\pm$ 0.021 χ^2 /NDF: 2166280.4/29

All: 132.668 $\pm$ 0.015 χ^2 /NDF: 4631262.5/59

- sign 132.872 $\pm$ 0.021 χ^2 /NDF: 2464791.4/29

reg_asym_sam_1357_avg_mean vs Slug



Right In: 6.155 ± 19.561 χ^2/NDF : 16.5/21

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -39.948 ± 18.678 χ^2/NDF : 30.5/25

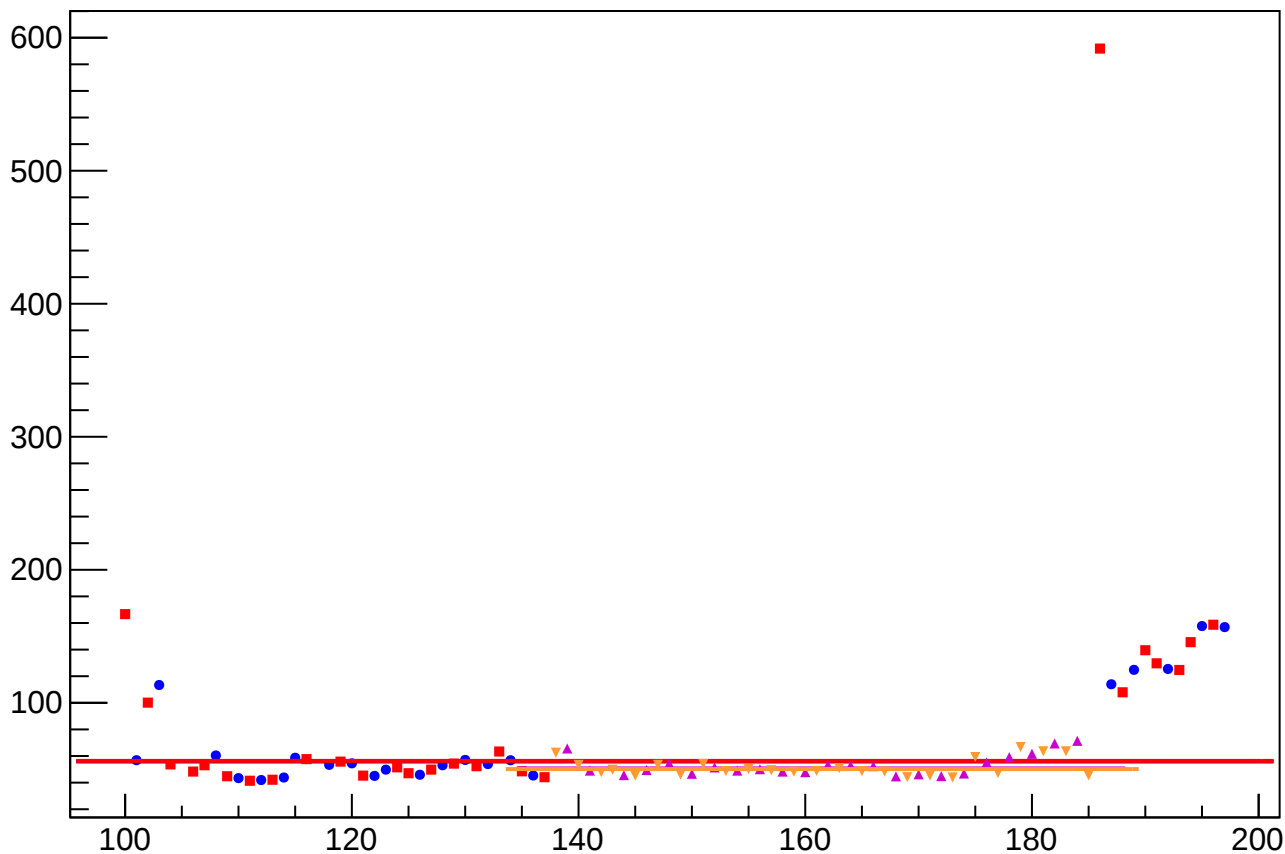
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 37.855 ± 10.107 χ^2/NDF : 48.2/46

All: -4.099 ± 7.195 χ^2/NDF : 146.0/95

- sign -47.207 ± 10.246 χ^2/NDF : 62.9/48

reg_asym_sam_1357_avg_rms vs Slug



Right In: 55.911+/-0.014 χ^2/NDF : 2847707.4/21

Left Out: 50.189+/-0.008 χ^2/NDF : 467679.2/24

Right Out: 56.345+/-0.013 χ^2/NDF : 3830360.4/25

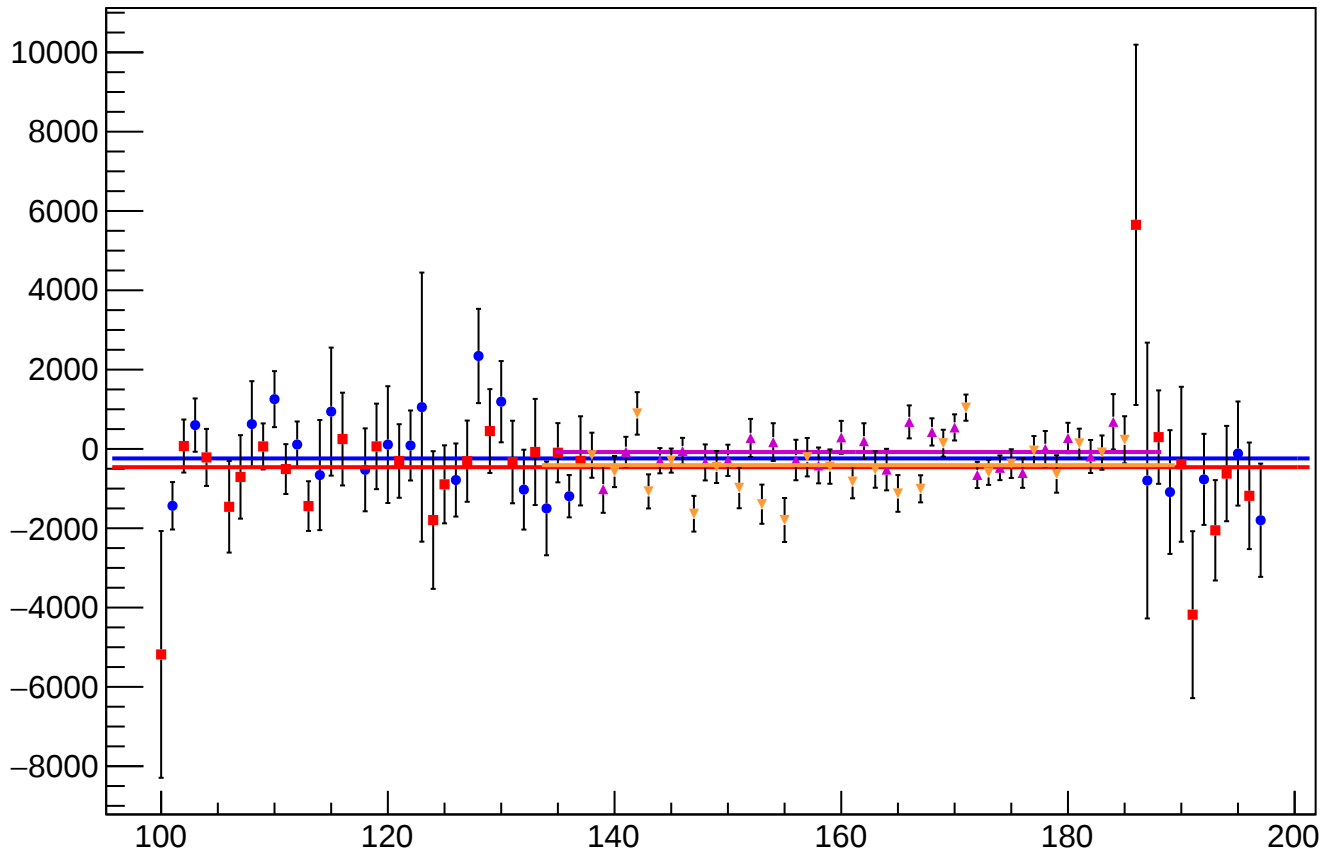
Left In: 50.683+/-0.009 χ^2/NDF : 469292.3/22

+ sign 51.717+/-0.007 χ^2/NDF : 3440829.5/46

All: 52.047+/-0.005 χ^2/NDF : 7873310.1/95

- sign 52.387+/-0.007 χ^2/NDF : 4428151.4/48

asym_sam_1357_avg_correction_mean vs Slug



Right In: -239.420 ± 200.583 χ^2/NDF : 25.8/21

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -460.347 ± 191.931 χ^2/NDF : 16.9/25

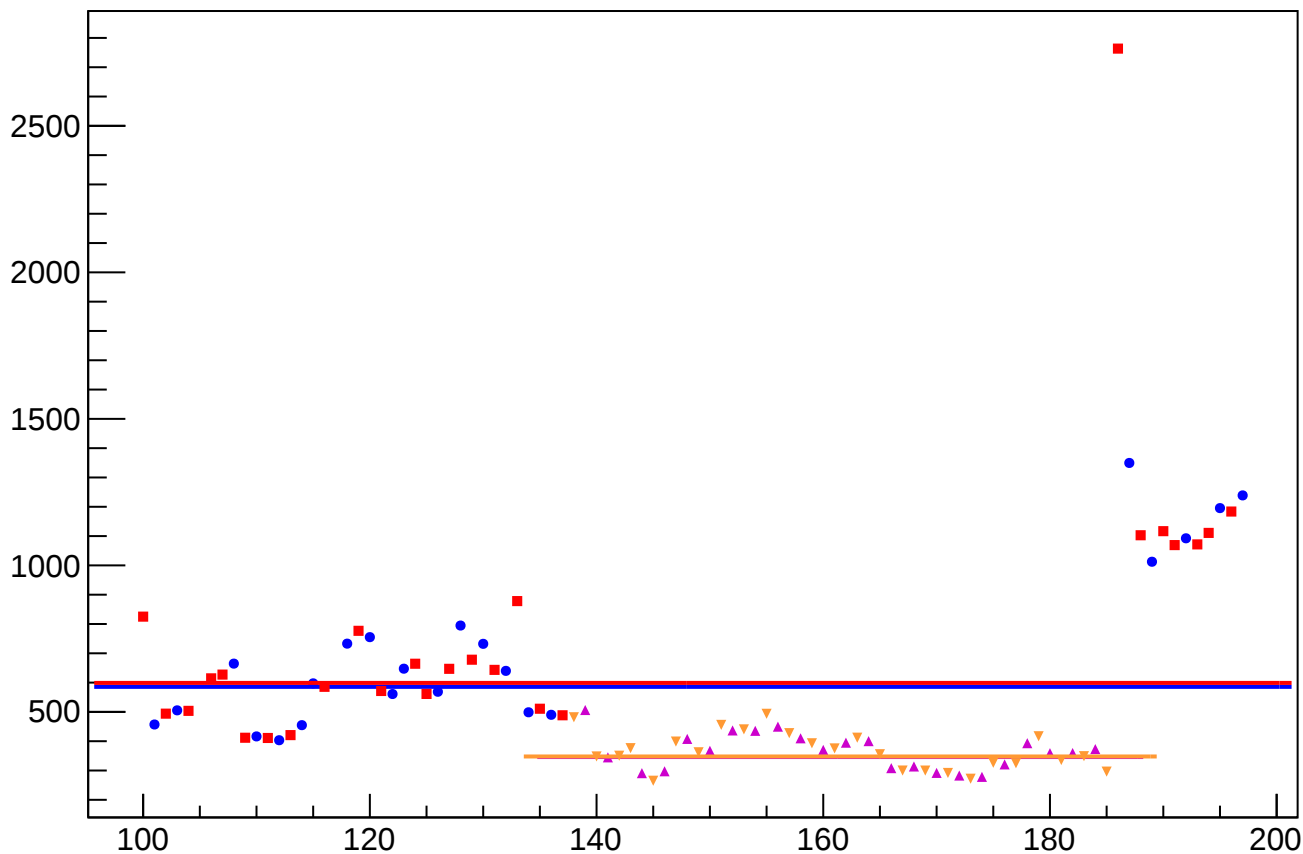
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -384.681 ± 76.178 χ^2/NDF : 88.1/46

All: -263.391 ± 54.157 χ^2/NDF : 138.3/95

- sign -139.444 ± 77.008 χ^2/NDF : 45.1/48

asym_sam_1357_avg_correction_rms vs Slug



Right In: 585.469+/-0.142 χ^2/NDF : 2199982.3/21

Left Out: 347.875+/-0.058 χ^2/NDF : 1044096.7/24

Right Out: 598.952+/-0.136 χ^2/NDF : 2942139.4/25

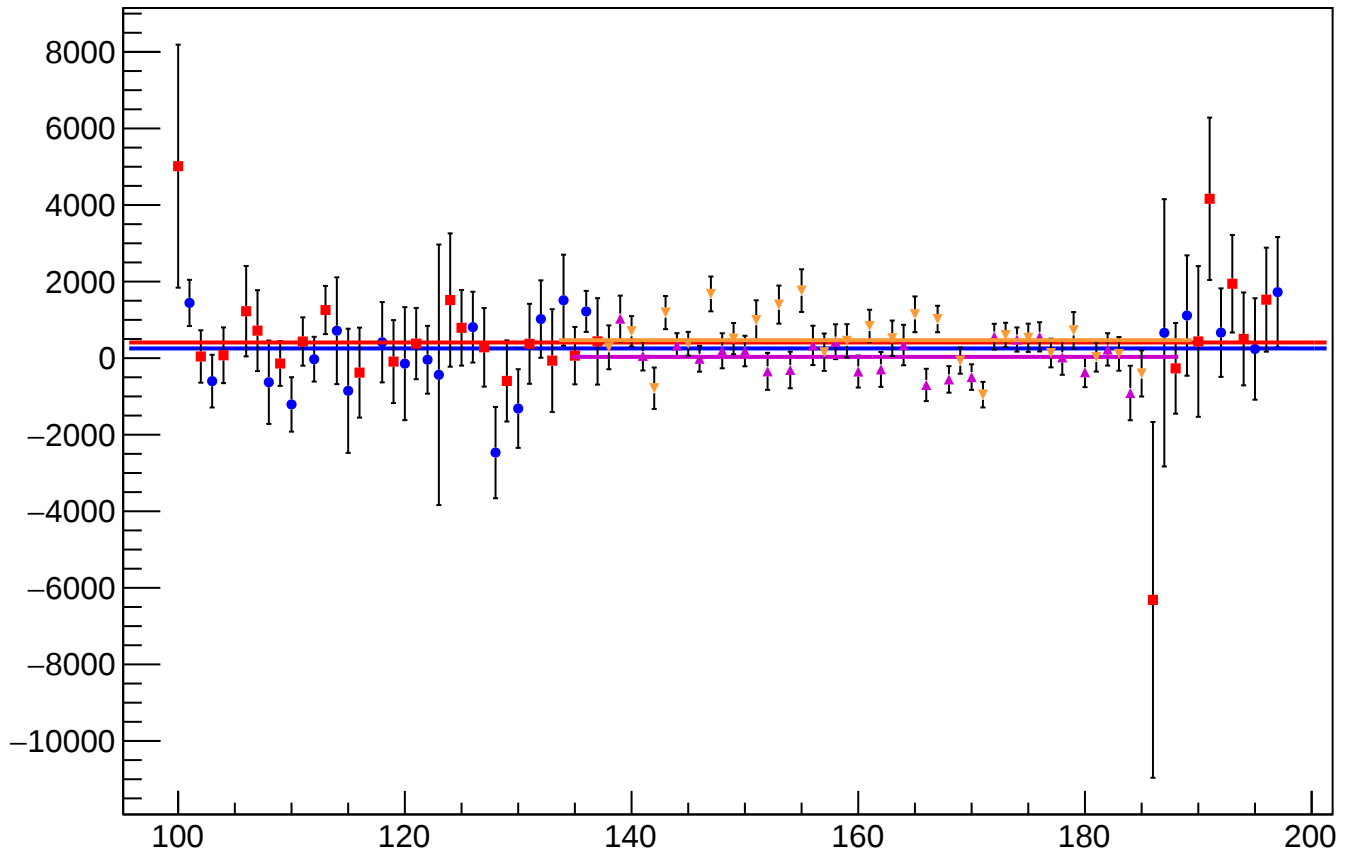
Left In: 345.954+/-0.059 χ^2/NDF : 900847.0/22

+ sign 382.145+/-0.054 χ^2/NDF : 5645475.0/46

All: 384.389+/-0.038 χ^2/NDF : 12407674.4/95

- sign 386.683+/-0.054 χ^2/NDF : 6758688.9/48

asym_sam_1357_avg_mean vs Slug



Right In: 253.636 $\pm$ 202.011 χ^2 /NDF: 25.7/21

Left Out: 468.863 $\pm$ 83.295 χ^2 /NDF: 57.5/24

Right Out: 409.378 $\pm$ 193.422 χ^2 /NDF: 16.0/25

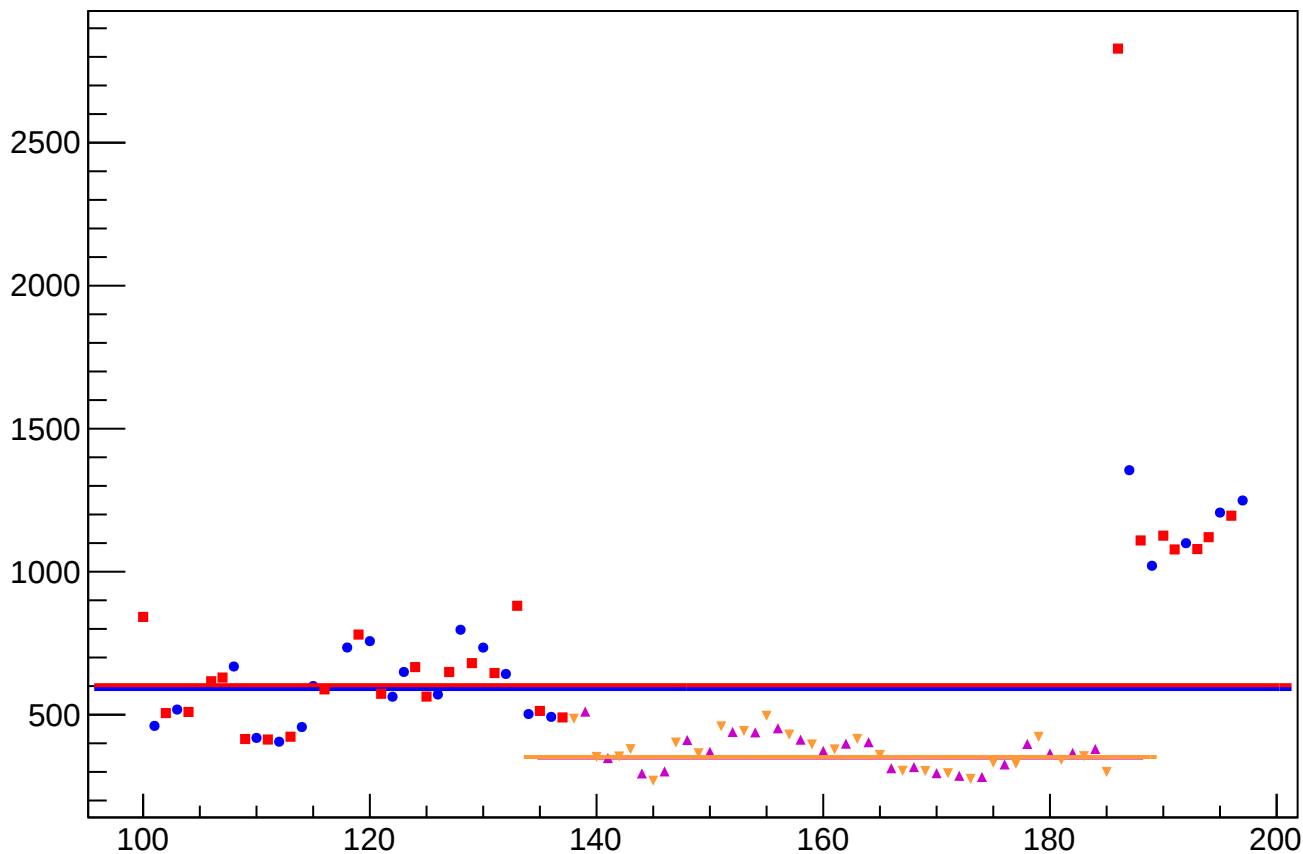
Left In: 32.801 $\pm$ 85.064 χ^2 /NDF: 25.7/22

+ sign 437.588 $\pm$ 77.006 χ^2 /NDF: 84.2/46

All: 267.618 $\pm$ 54.753 χ^2 /NDF: 138.9/95

- sign 93.831 $\pm$ 77.866 χ^2 /NDF: 44.9/48

asym_sam_1357_avg_rms vs Slug



Right In: 589.755+/-0.143 χ^2/NDF : 2194069.7/21

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 603.313+/-0.137 χ^2/NDF : 2941843.7/25

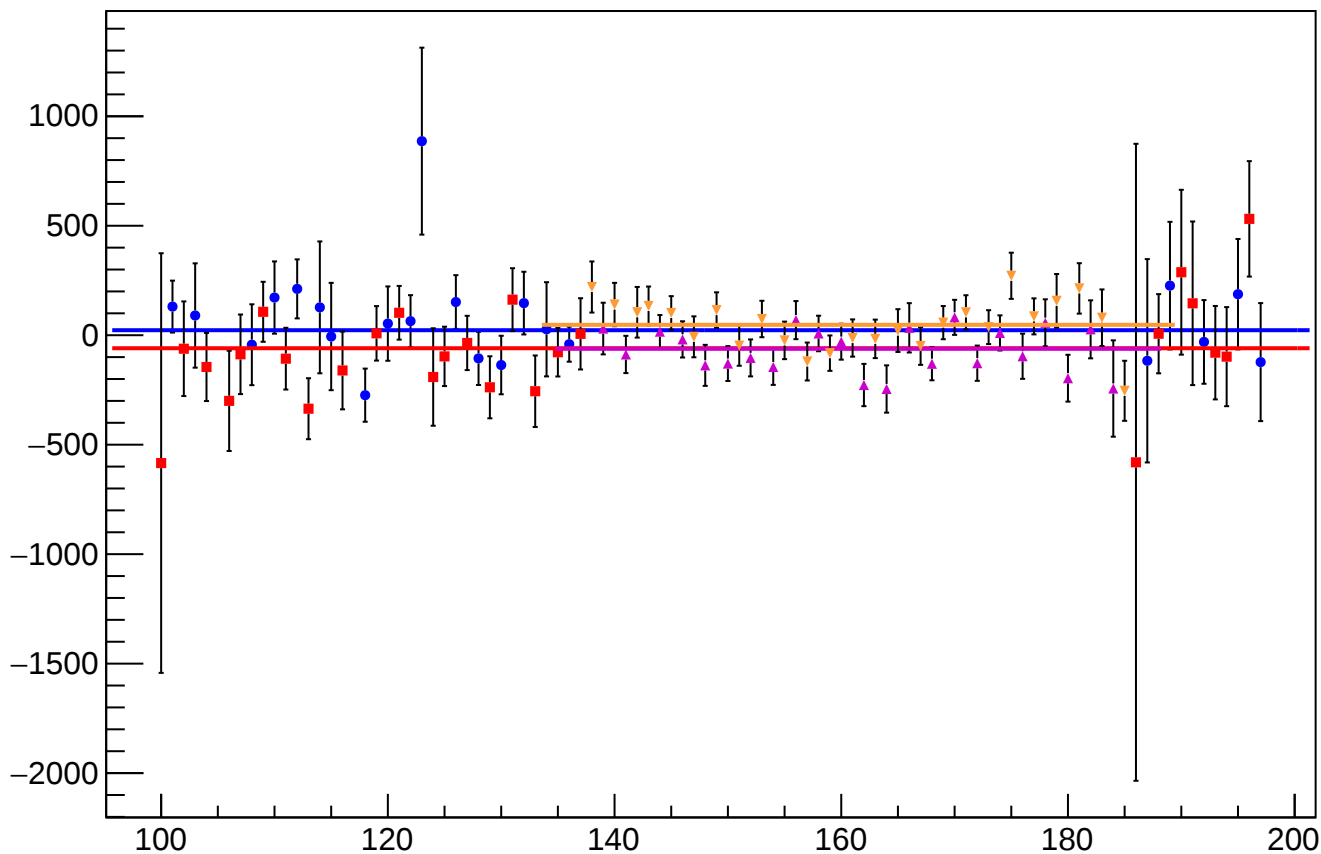
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 386.561+/-0.054 χ^2/NDF : 5578773.0/46

All: 388.848+/-0.039 χ^2/NDF : 12273304.7/95

- sign 391.187+/-0.055 χ^2/NDF : 6690962.5/48

reg_asym_sam_2468_avg_mean vs Slug



Right In: 22.872 ± 33.208 χ^2/NDF : 20.6/21

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: -59.456 ± 32.847 χ^2/NDF : 22.2/25

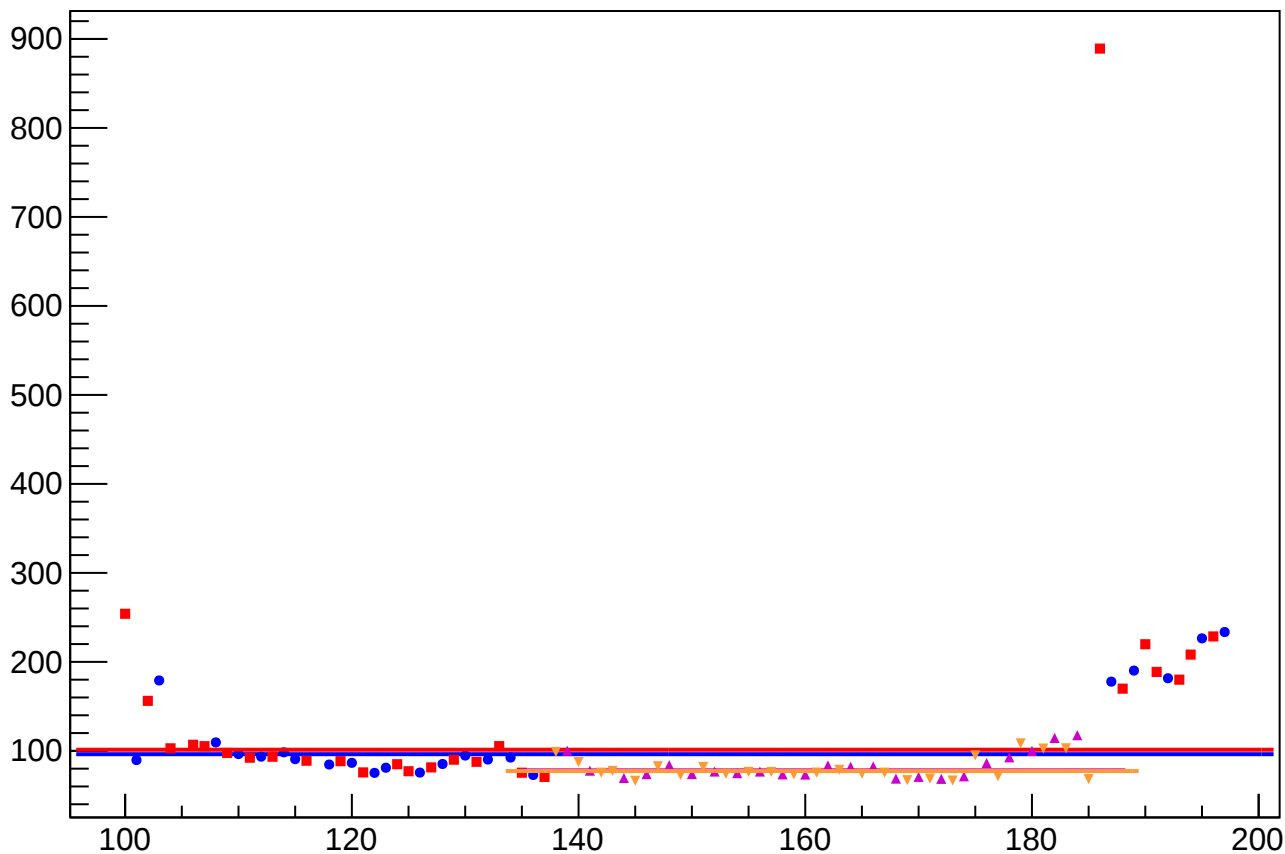
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 41.729 ± 15.996 χ^2/NDF : 50.4/46

All: -8.409 ± 11.457 χ^2/NDF : 116.7/95

- sign -61.237 ± 16.419 χ^2/NDF : 46.1/48

reg_asym_sam_2468_avg_rms vs Slug



Right In: 96.259+/-0.023 χ^2/NDF : 2318704.4/21

Left Out: 77.316+/-0.013 χ^2/NDF : 635622.3/24

Right Out: 101.278+/-0.023 χ^2/NDF : 3019130.0/25

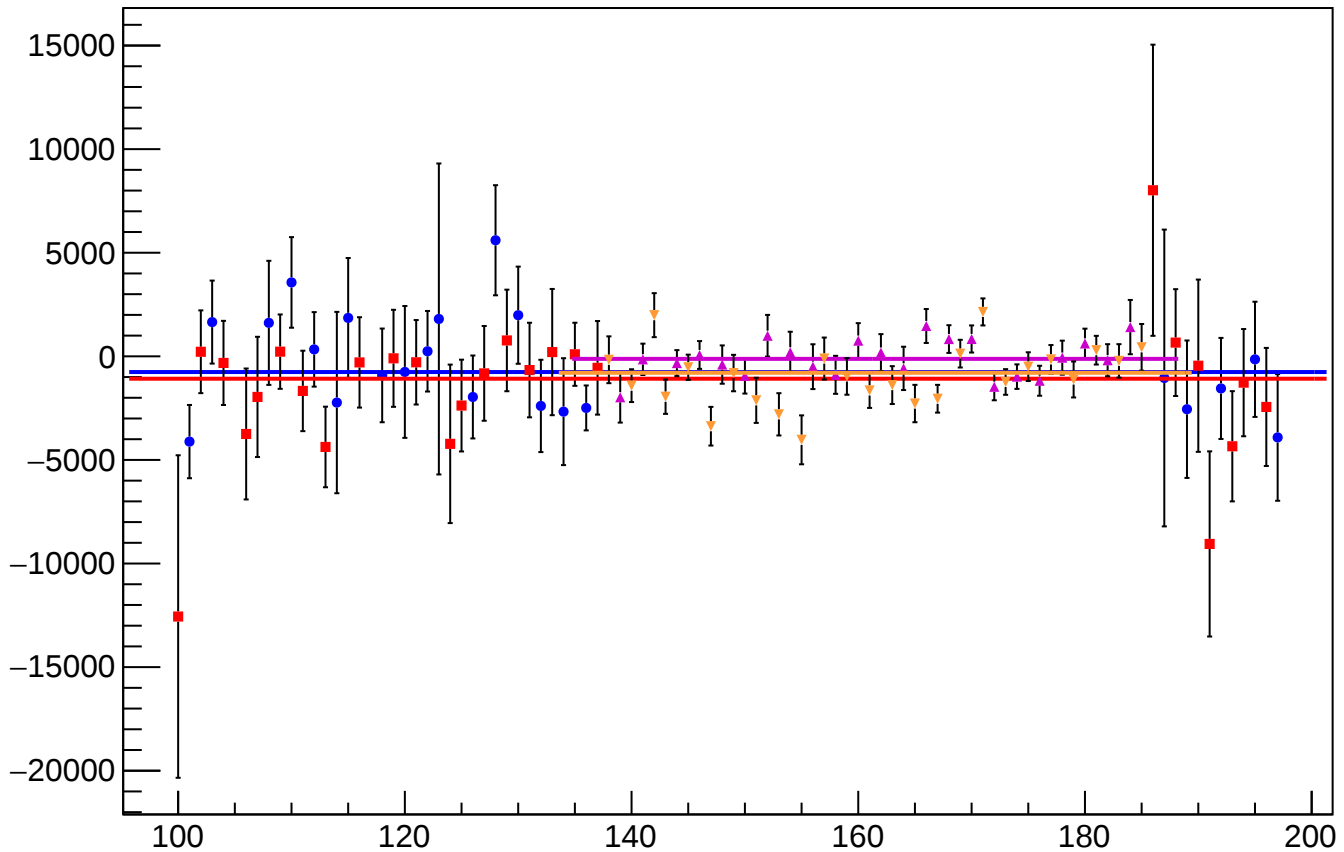
Left In: 78.139+/-0.013 χ^2/NDF : 582108.1/22

+ sign 81.711+/-0.011 χ^2/NDF : 3454115.1/46

All: 82.787+/-0.008 χ^2/NDF : 7818462.7/95

- sign 83.921+/-0.012 χ^2/NDF : 4345768.4/48

asym_sam_2468_avg_correction_mean vs Slug



Right In: -758.108 ± 485.722 χ^2/NDF : 23.9/21

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -1080.457 ± 473.959 χ^2/NDF : 17.0/25

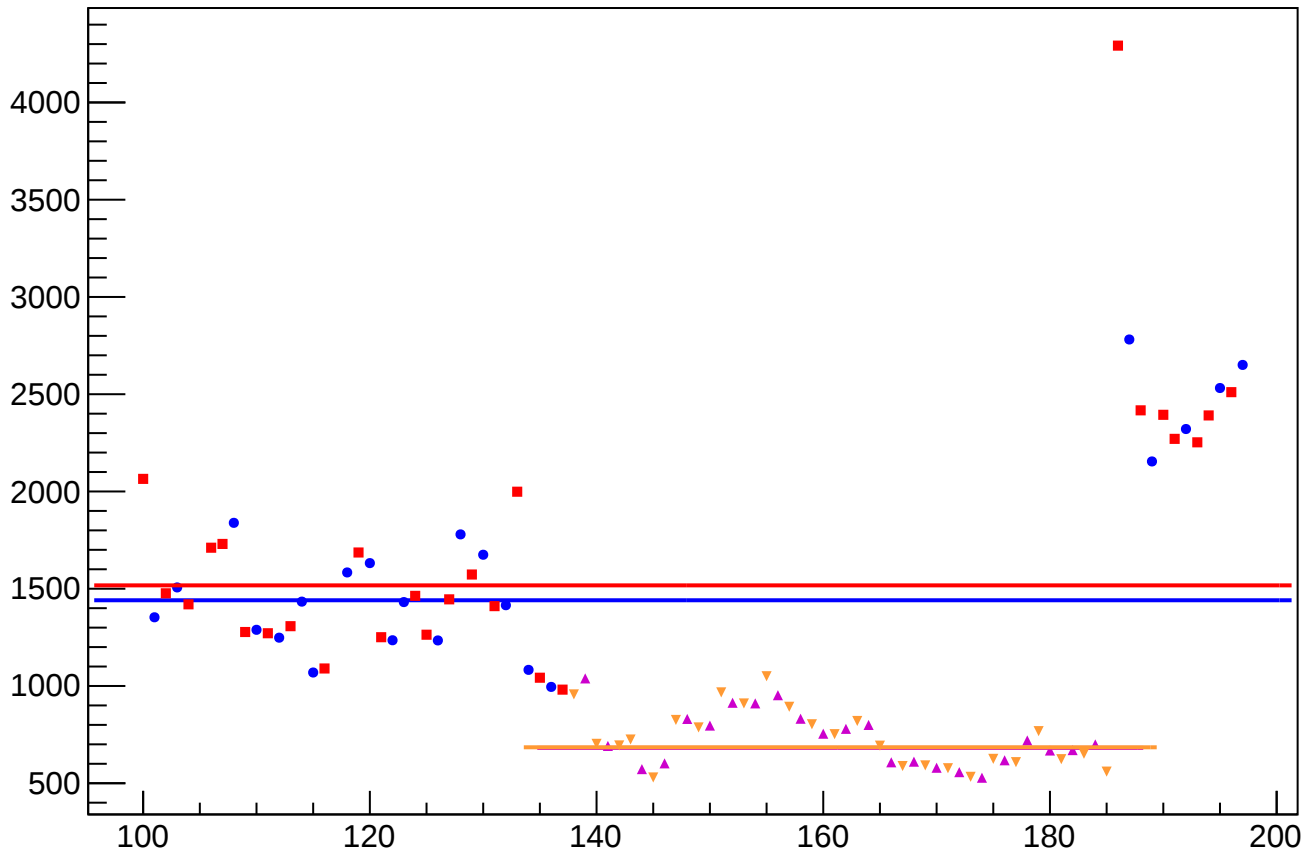
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -789.280 ± 154.240 χ^2/NDF : 90.5/46

All: -512.882 ± 109.969 χ^2/NDF : 143.7/95

- sign -227.120 ± 156.831 χ^2/NDF : 46.6/48

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1440.693 $\pm$ 0.343 χ^2 /NDF: 1640339.3/21

Left Out: 684.785 $\pm$ 0.115 χ^2 /NDF: 1280146.2/24

Right Out: 1517.256 $\pm$ 0.335 χ^2 /NDF: 1962738.2/25

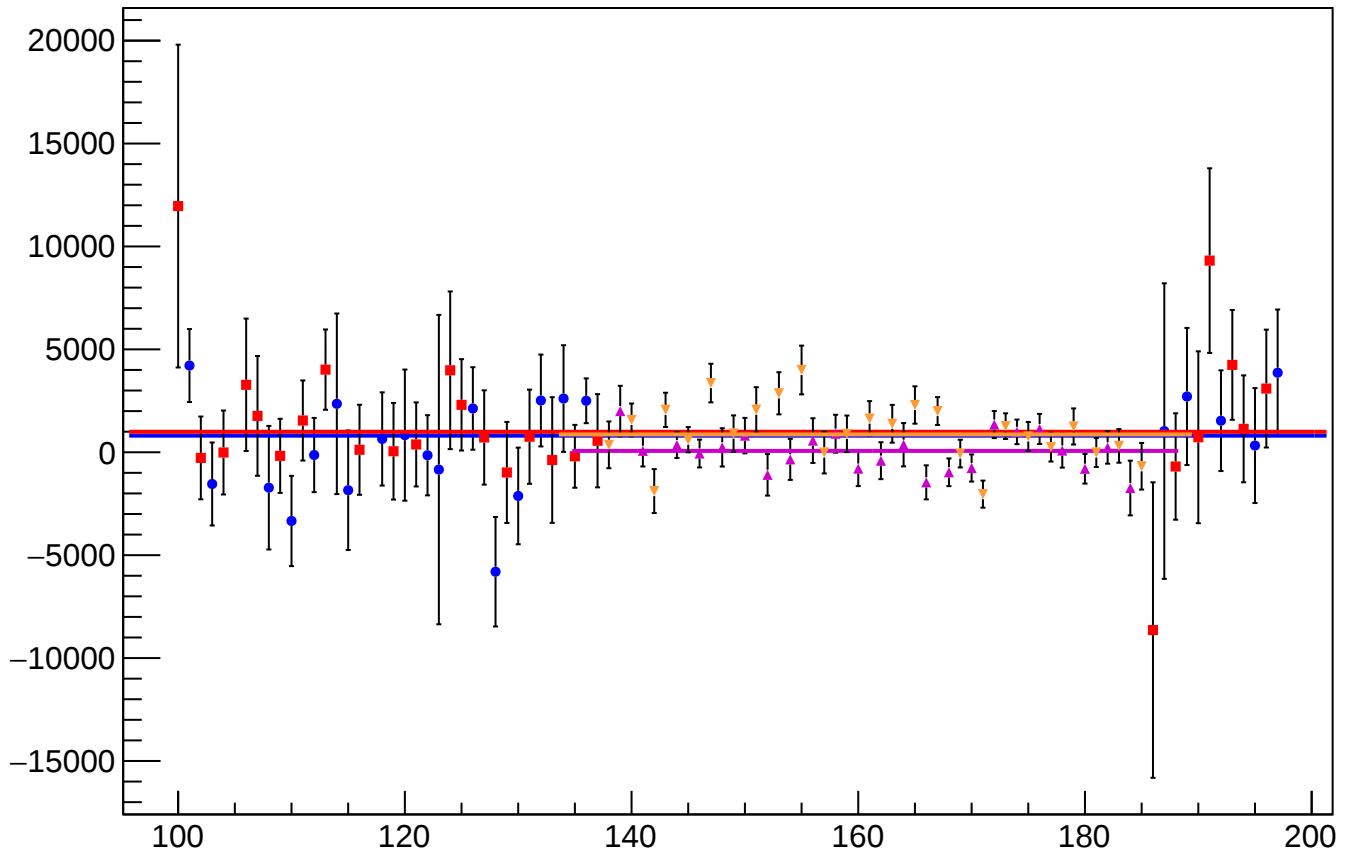
Left In: 681.712 $\pm$ 0.118 χ^2 /NDF: 1119637.0/22

+ sign 761.008 $\pm$ 0.109 χ^2 /NDF: 7275918.8/46

All: 767.001 $\pm$ 0.078 χ^2 /NDF: 15899523.3/95

- sign 773.198 $\pm$ 0.111 χ^2 /NDF: 8617462.7/48

asym_sam_2468_avg_mean vs Slug



Right In: 807.071 $\pm$ 487.160 χ^2 /NDF: 24.0/21

Left Out: 865.597 $\pm$ 163.885 χ^2 /NDF:62.8/24

Right Out: 995.656 $\pm$ 475.605 χ^2 /NDF: 16.7/25

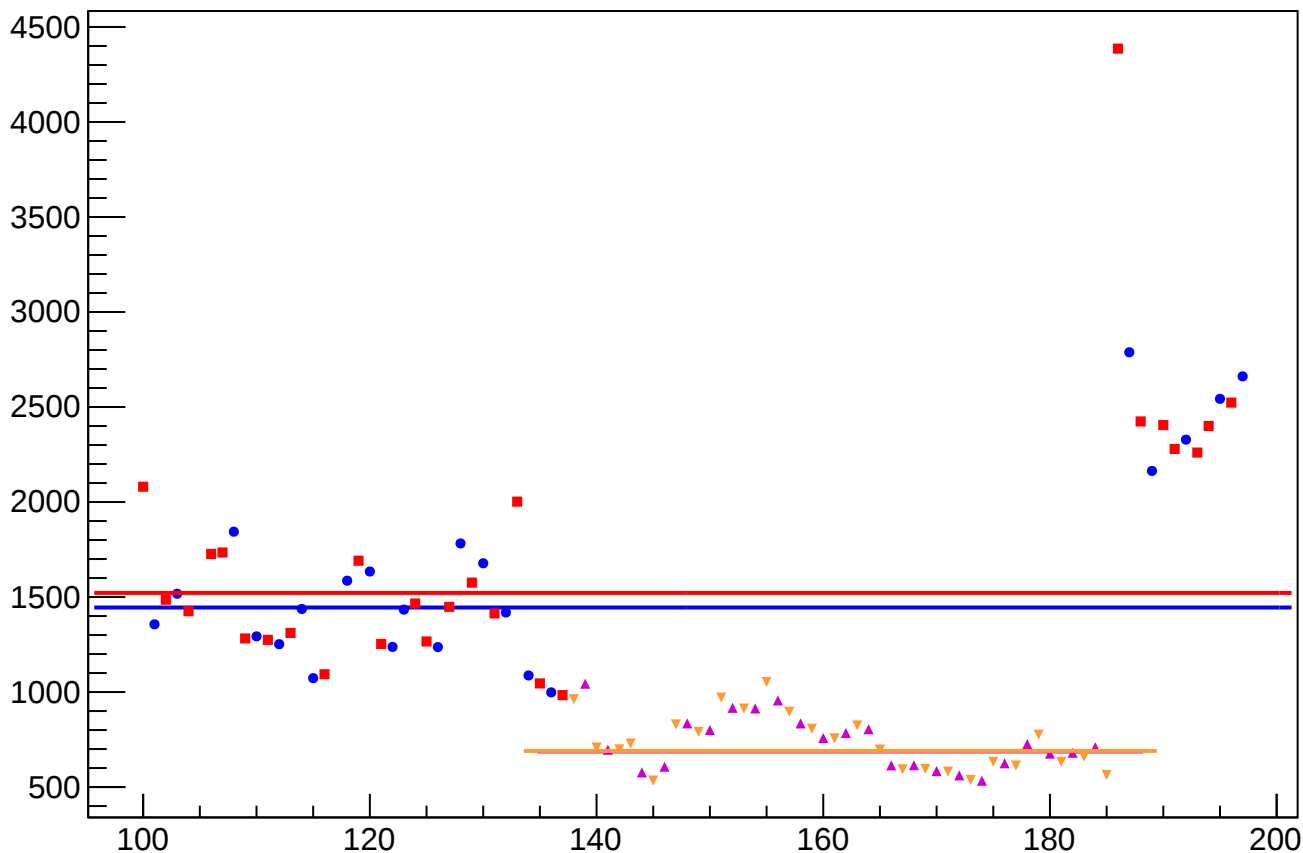
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF:26.4/22

+ sign 859.647 $\pm$ 155.331 χ^2 /NDF: 86.8/46

All: 519.906 $\pm$ 110.759 χ^2 /NDF: 143.0/95

- sign 168.500 $\pm$ 157.975 χ^2 /NDF: 46.5/48

asym_sam_2468_avg_rms vs Slug



Right In: 1444.899 $\pm$ 0.344 χ^2 /NDF: 1642094.8/21

Left Out: 690.166 $\pm$ 0.116 χ^2 /NDF: 1258158.2/24

Right Out: 1521.780 $\pm$ 0.336 χ^2 /NDF: 1973408.9/25

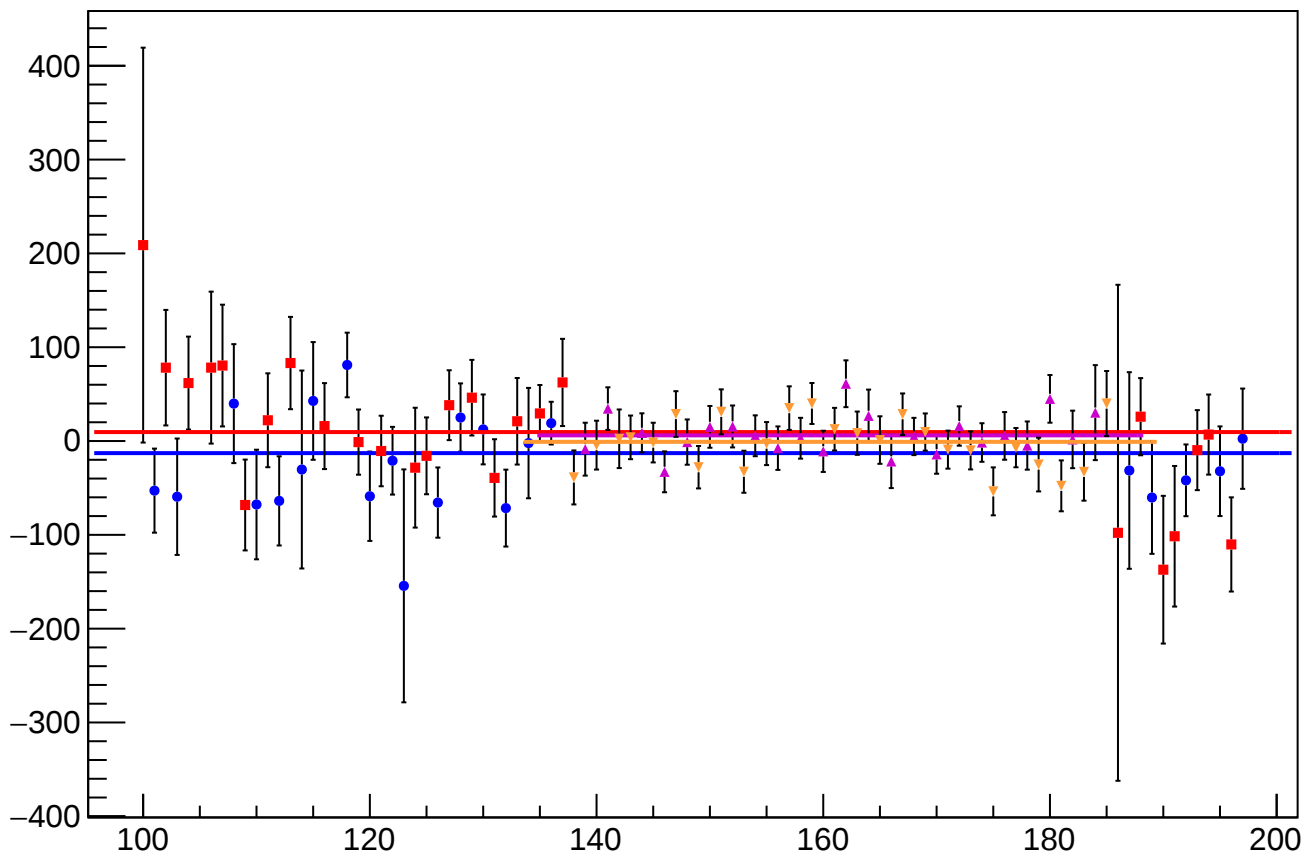
Left In: 687.216 $\pm$ 0.118 χ^2 /NDF: 1099706.1/22

+ sign 766.897 $\pm$ 0.110 χ^2 /NDF: 7212574.3/46

All: 772.990 $\pm$ 0.078 χ^2 /NDF: 15770763.6/95

- sign 779.292 $\pm$ 0.112 χ^2 /NDF: 8551928.7/48

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -12.887 ± 9.515 χ^2/NDF : 23.7/21

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: 9.549 ± 9.300 χ^2/NDF : 27.7/25

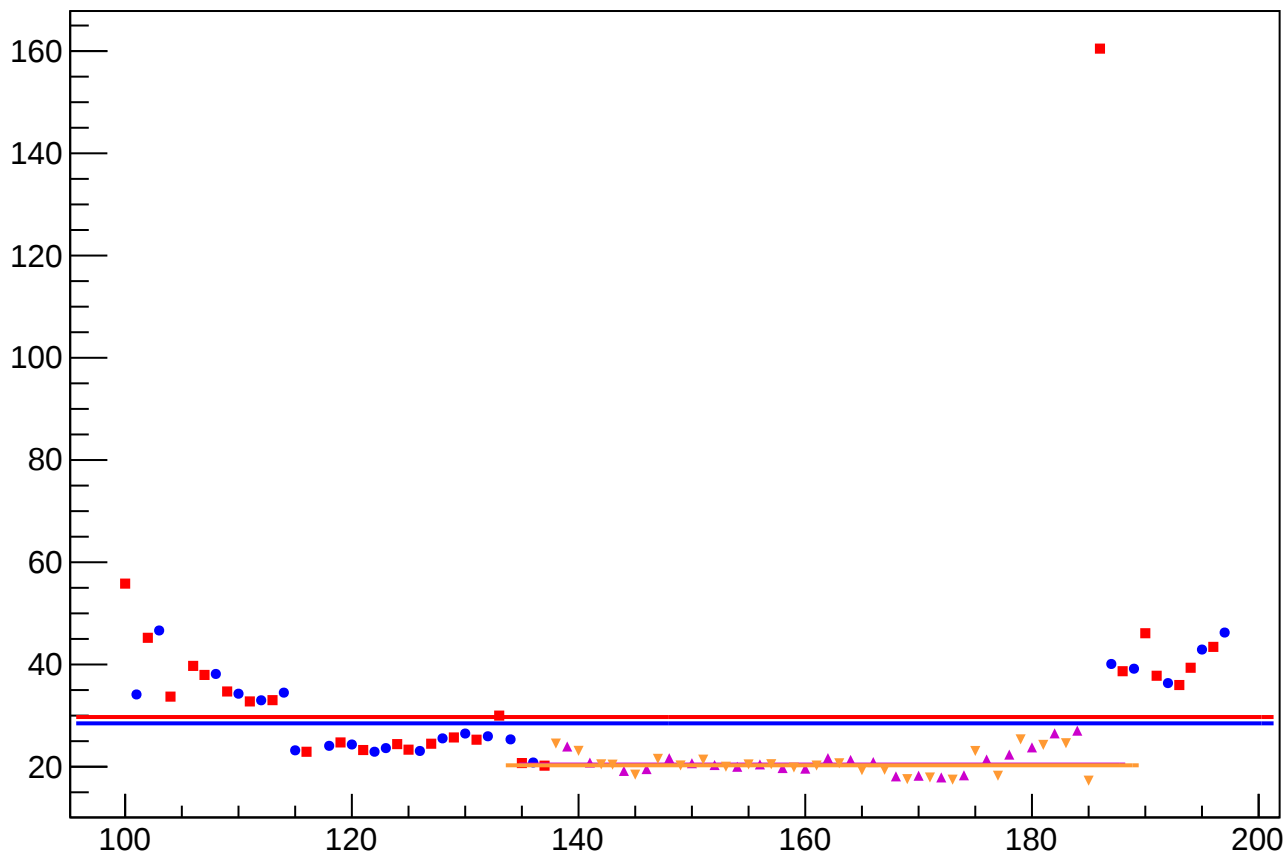
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -3.269 ± 4.257 χ^2/NDF : 52.9/46

All: 1.659 ± 3.043 χ^2/NDF : 100.3/95

- sign 6.810 ± 4.353 χ^2/NDF : 44.7/48

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.485+/-0.007 χ^2/NDF : 1282782.3/21

Left Out: 20.279+/-0.003 χ^2/NDF : 407056.4/24

Right Out: 29.722+/-0.007 χ^2/NDF : 1808505.4/25

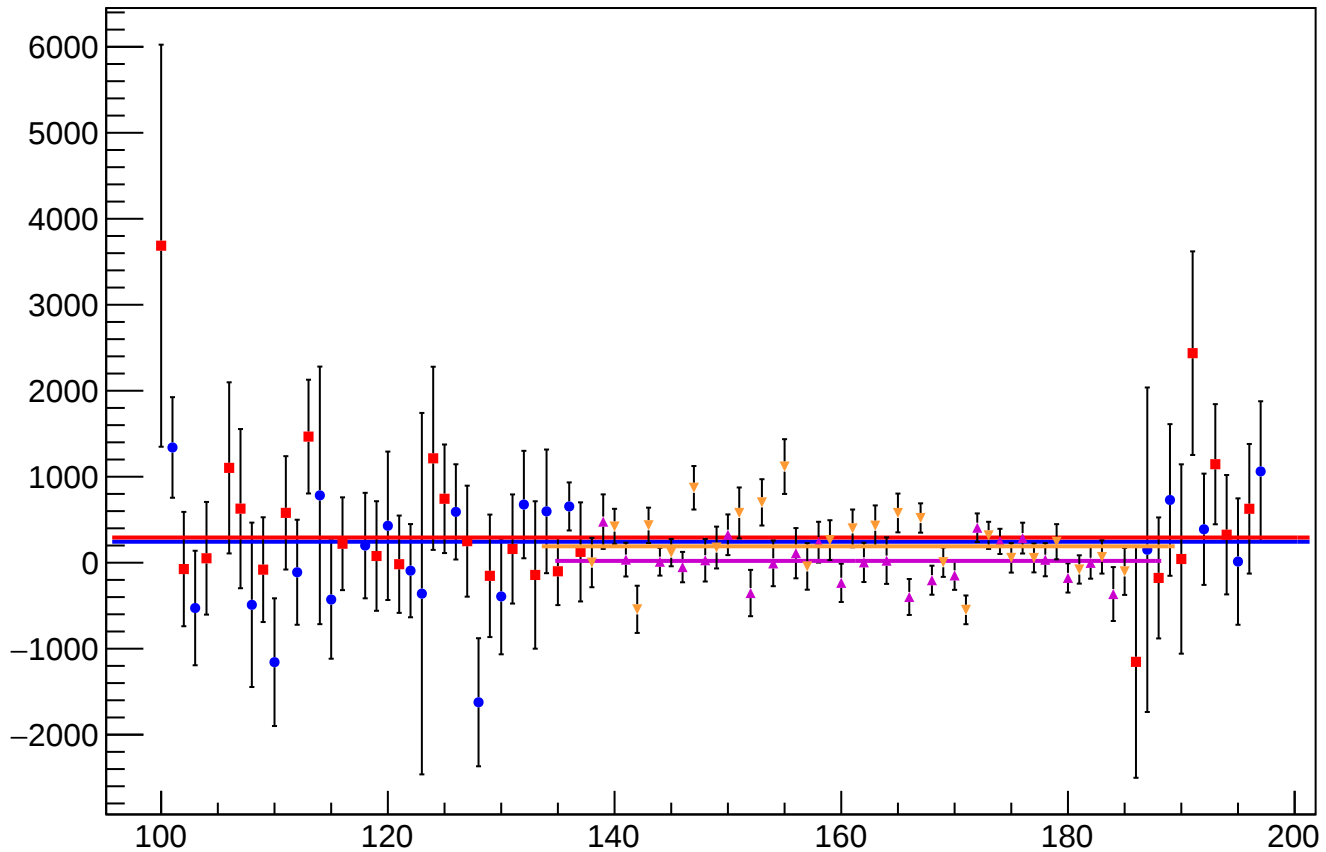
Left In: 20.424+/-0.003 χ^2/NDF : 323427.4/22

+ sign 21.922+/-0.003 χ^2/NDF : 2879542.7/46

All: 22.185+/-0.002 χ^2/NDF : 6588601.1/95

- sign 22.461+/-0.003 χ^2/NDF : 3693405.3/48

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 243.980 ± 137.566 χ^2/NDF : 22.9/21

Left Out: 190.867 ± 41.314 χ^2/NDF : 67.9/24

Right Out: 293.000 ± 135.676 χ^2/NDF : 17.1/25

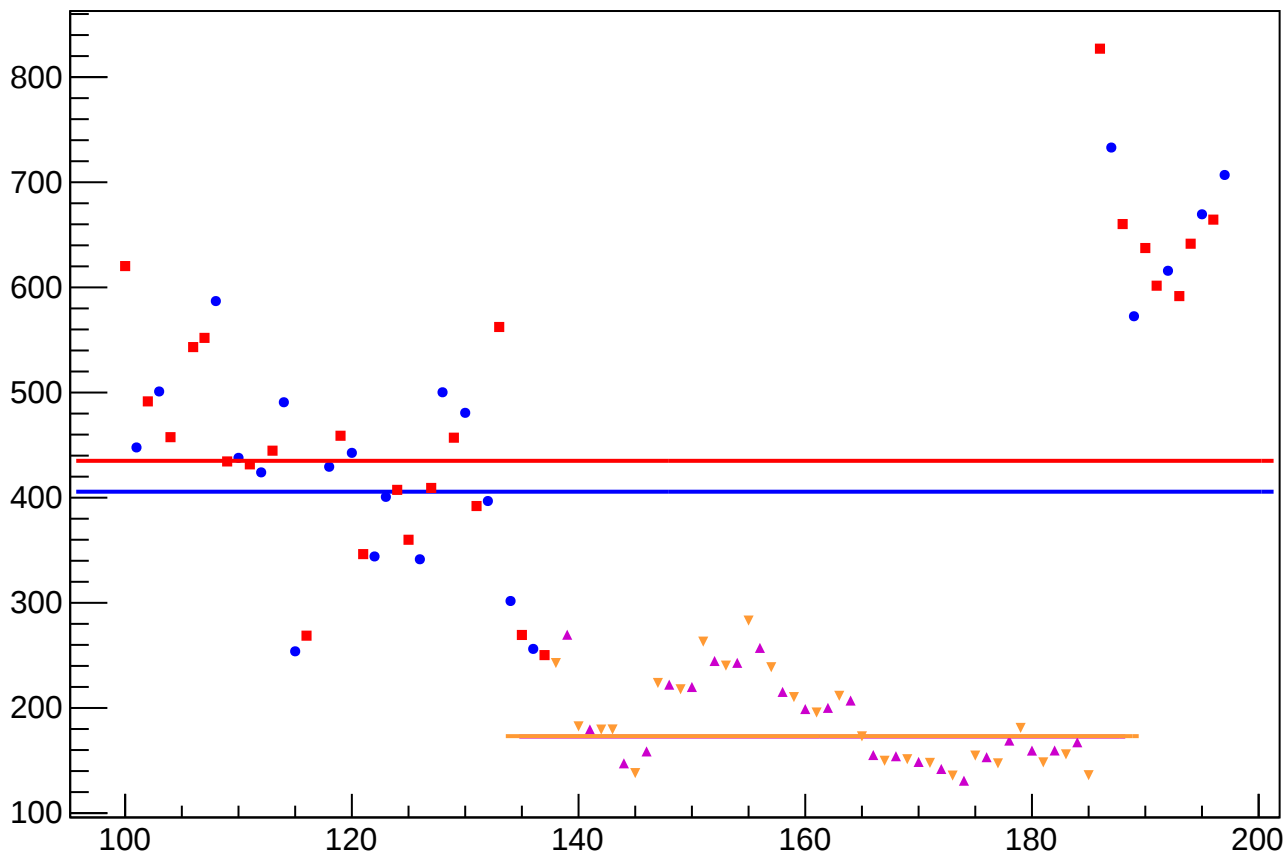
Left In: 20.998 ± 42.291 χ^2/NDF : 27.7/22

+ sign 195.261 ± 39.568 χ^2/NDF : 90.9/46

All: 121.689 ± 28.260 χ^2/NDF : 146.5/95

- sign 45.085 ± 40.375 χ^2/NDF : 48.5/48

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 405.692 $\pm$ 0.097 χ^2 /NDF: 1837136.5/21

Left Out: 173.210 $\pm$ 0.029 χ^2 /NDF:1561250.6/24

Right Out: 435.060 $\pm$ 0.096 χ^2 /NDF: 1919445.7/25

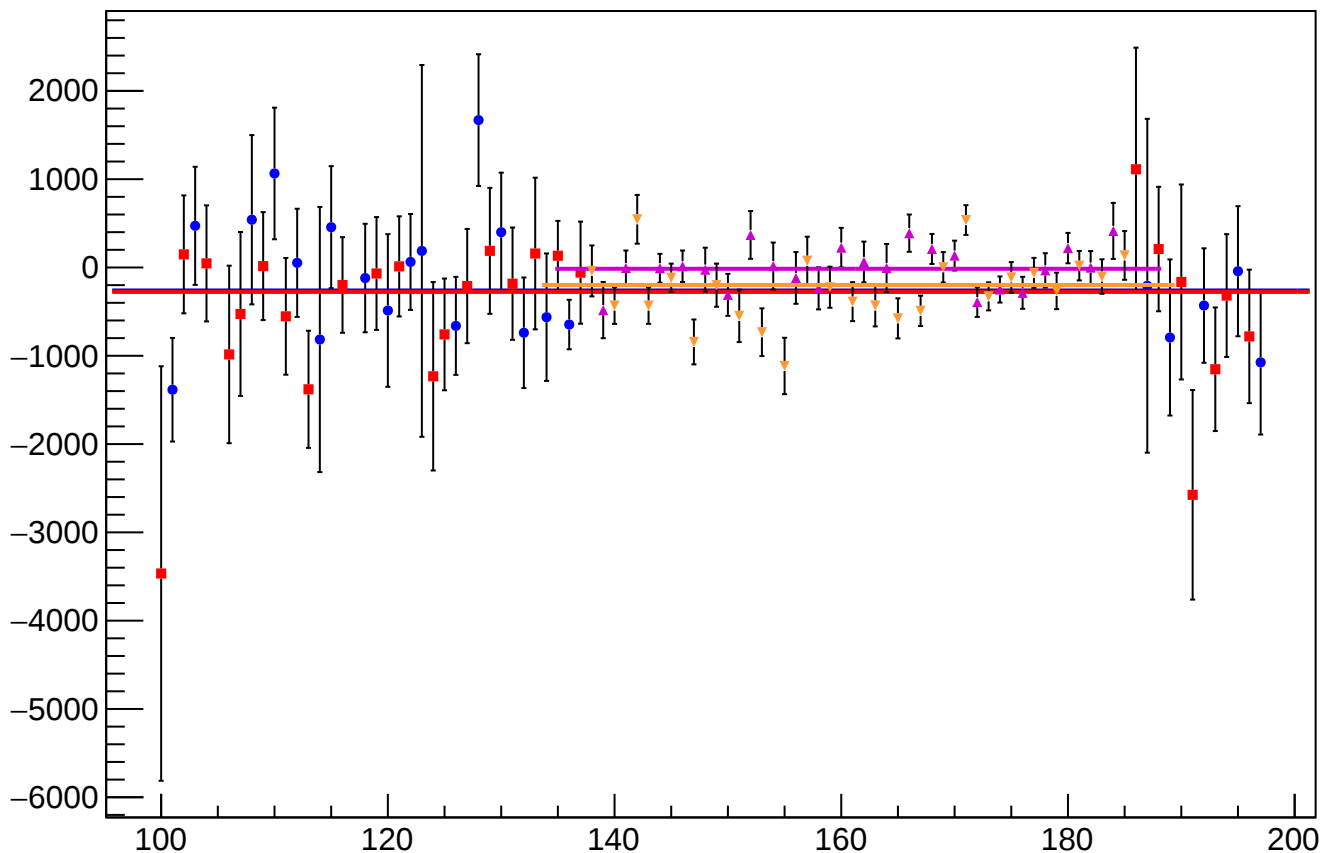
Left In: 172.828 $\pm$ 0.030 χ^2 /NDF:1372131.7/22

+ sign 192.443 $\pm$ 0.028 χ^2 /NDF: 8637842.5/46

All: 194.210 $\pm$ 0.020 χ^2 /NDF: 18747274.5/95

- sign 196.050 $\pm$ 0.029 χ^2 /NDF: 10101291.8/48

asym_sam_1357_2468_dd_mean vs Slug



Right In: -260.202 ± 137.952 χ^2/NDF : 23.1/21

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -276.565 ± 136.088 χ^2/NDF : 17.2/25

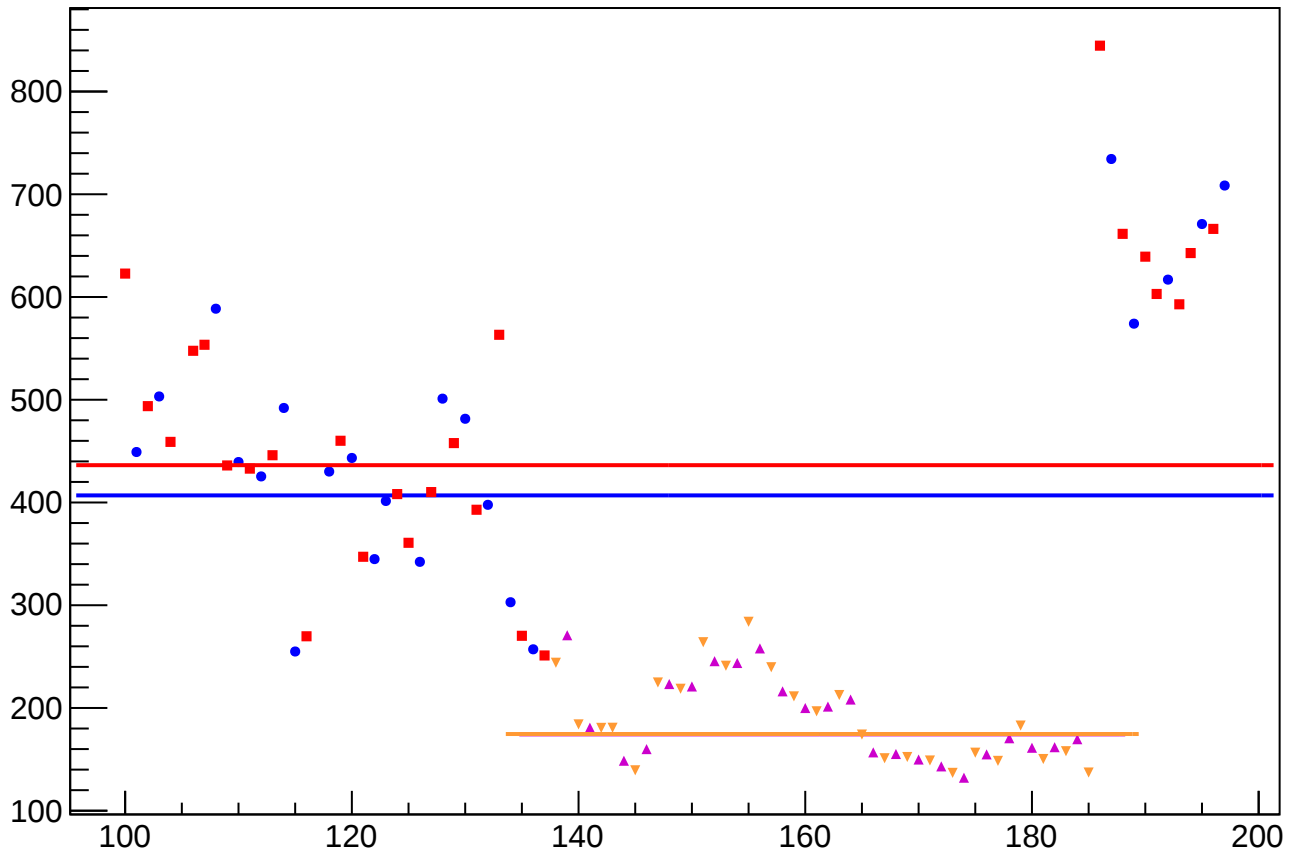
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -203.118 ± 39.862 χ^2/NDF : 87.5/46

All: -122.248 ± 28.472 χ^2/NDF : 144.2/95

- sign -38.023 ± 40.680 χ^2/NDF : 48.3/48

asym_sam_1357_2468_dd_rms vs Slug



Right In: 406.900 $\pm$ 0.098 χ^2 /NDF: 1831910.5/21

Left Out: 174.648 $\pm$ 0.029 χ^2 /NDF: 1531999.5/24

Right Out: 436.313 $\pm$ 0.096 χ^2 /NDF: 1924026.2/25

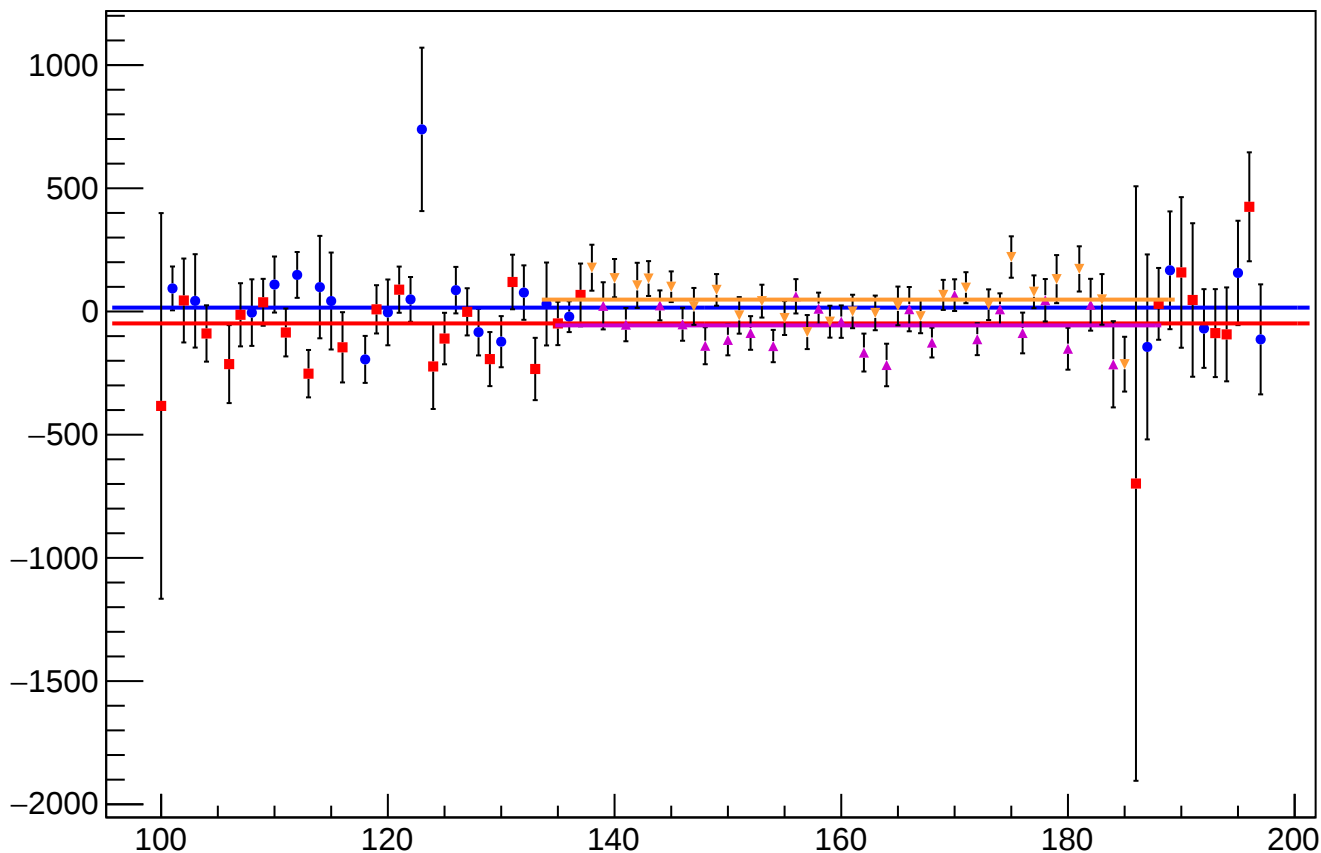
Left In: 174.288 $\pm$ 0.030 χ^2 /NDF: 1344779.5/22

+ sign 194.040 $\pm$ 0.028 χ^2 /NDF: 8559393.2/46

All: 195.834 $\pm$ 0.020 χ^2 /NDF: 18588371.5/95

- sign 197.702 $\pm$ 0.029 χ^2 /NDF: 10020709.3/48

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 15.692 $\pm$ 25.453 χ^2 /NDF: 19.2/21

Left Out: 48.233 $\pm$ 14.616 χ^2 /NDF: 29.3/24

Right Out: -48.429 $\pm$ 24.958 χ^2 /NDF: 24.6/25

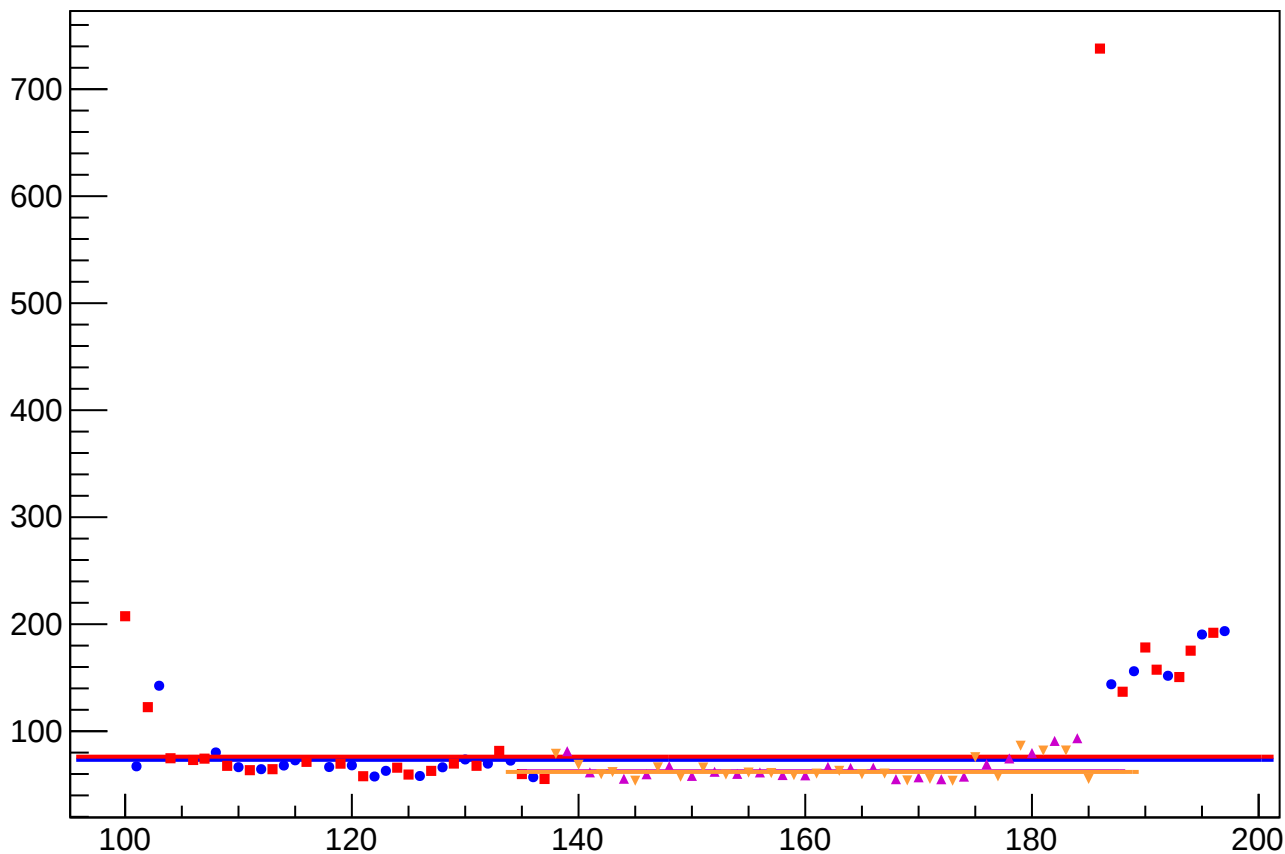
Left In: -56.403 $\pm$ 15.182 χ^2 /NDF: 27.5/22

+ sign 40.164 $\pm$ 12.675 χ^2 /NDF: 49.7/46

All: -5.953 $\pm$ 9.065 χ^2 /NDF: 129.0/95

- sign -54.250 $\pm$ 12.971 χ^2 /NDF: 52.1/48

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 73.248 $\pm$ 0.018 χ^2 /NDF: 2567245.1/21

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 76.191 $\pm$ 0.018 χ^2 /NDF: 3357387.2/25

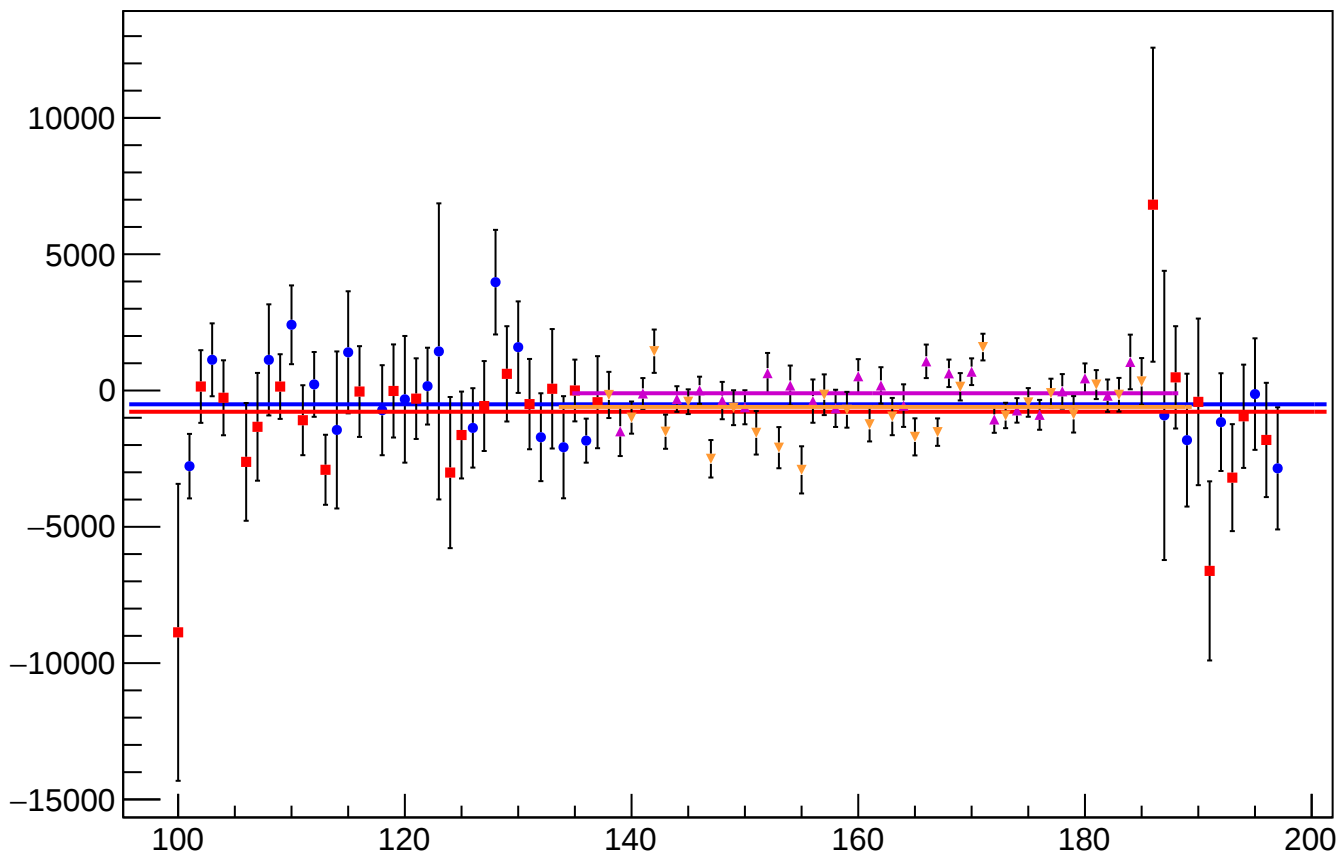
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 64.749 $\pm$ 0.009 χ^2 /NDF: 3468747.9/46

All: 65.495 $\pm$ 0.006 χ^2 /NDF: 7848282.4/95

- sign 66.276 $\pm$ 0.009 χ^2 /NDF: 4365350.6/48

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -505.875 $\pm$ 345.744 χ^2 /NDF: 24.4/21

Left Out: -601.486 $\pm$ 122.119 χ^2 /NDF:65.4/24

Right Out: -778.907 $\pm$ 335.545 χ^2 /NDF: 17.0/25

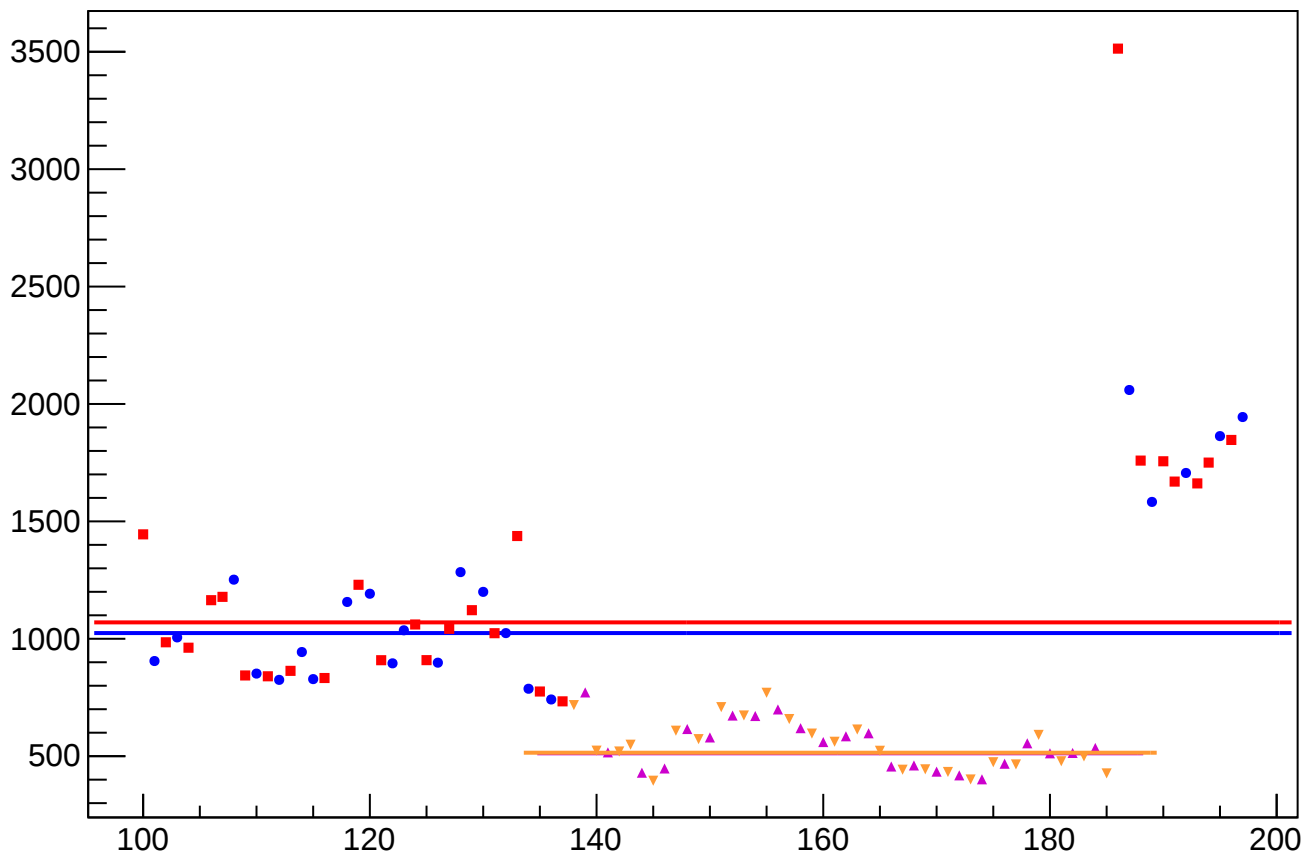
Left In: -100.548 $\pm$ 124.725 χ^2 /NDF:25.5/22

+ sign -590.881 $\pm$ 115.147 χ^2 /NDF: 89.8/46

All: -389.987 $\pm$ 82.037 χ^2 /NDF: 142.0/95

- sign -182.897 $\pm$ 116.909 χ^2 /NDF: 46.0/48

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1024.341+/-0.244 χ^2/NDF : 1681782.1/21

Left Out: 514.758+/-0.086 χ^2/NDF : 1194945.9/24

Right Out: 1069.815+/-0.237 χ^2/NDF : 2116889.2/25

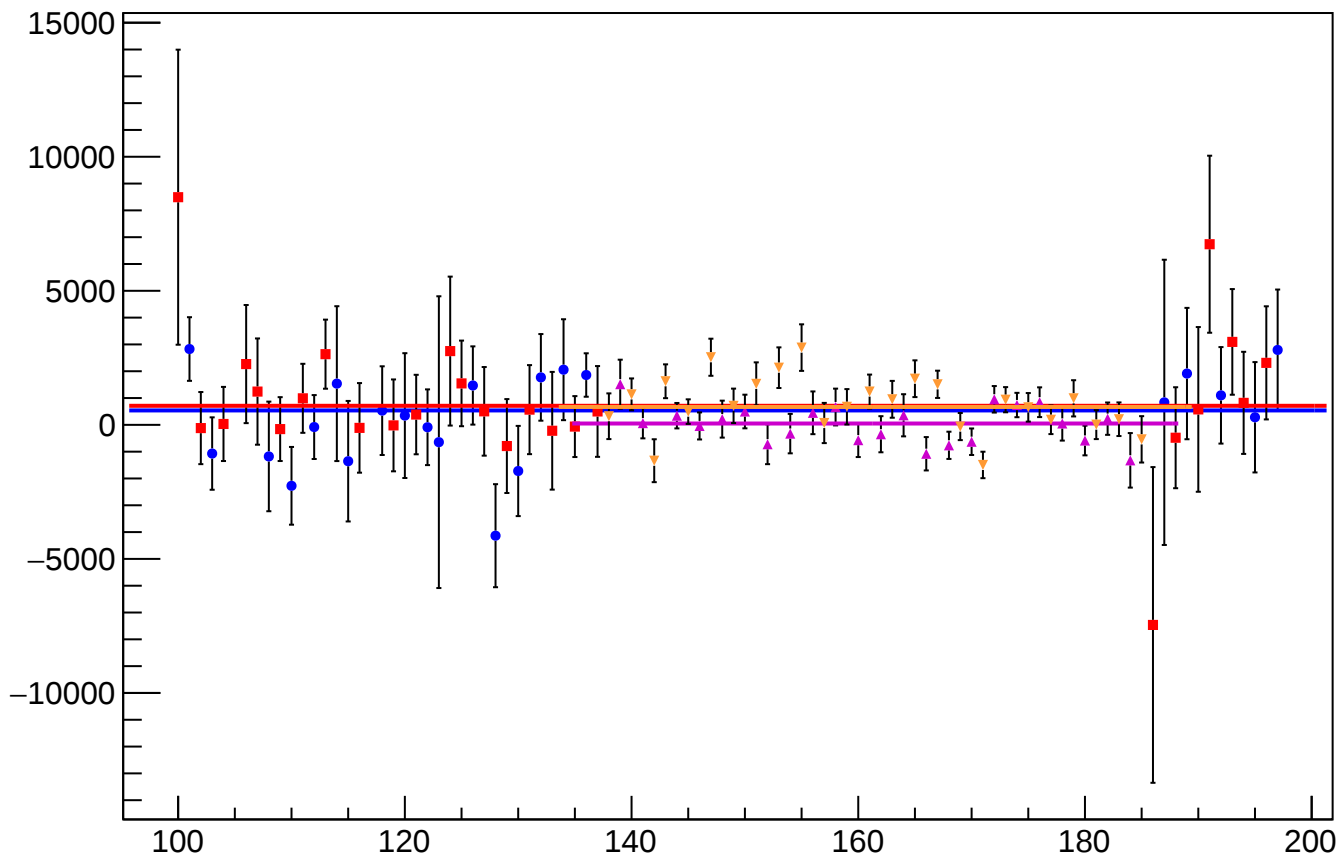
Left In: 512.199+/-0.088 χ^2/NDF : 1041302.8/22

+ sign 571.279+/-0.081 χ^2/NDF : 6739448.8/46

All: 575.519+/-0.058 χ^2/NDF : 14755948.1/95

- sign 579.890+/-0.083 χ^2/NDF : 8010991.1/48

asym_sam_12345678_avg_mean vs Slug



Right In: 537.718 $\pm$ 346.980 χ^2 /NDF: 24.4/21

Left Out: 667.625 $\pm$ 123.146 χ^2 /NDF:61.5/24

Right Out: 710.877 $\pm$ 336.943 χ^2 /NDF: 16.4/25

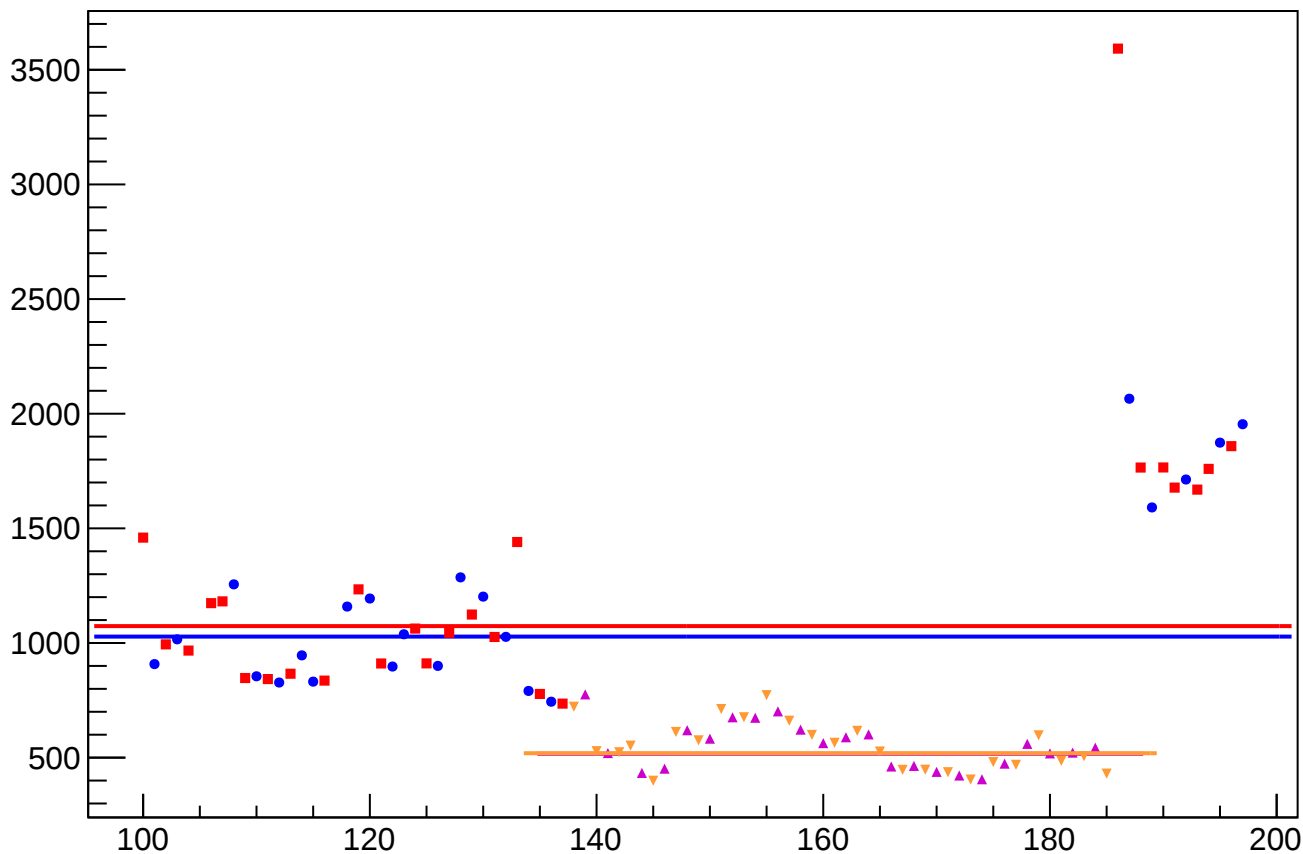
Left In: 50.079 $\pm$ 125.805 χ^2 /NDF:26.1/22

+ sign 653.092 $\pm$ 116.053 χ^2 /NDF: 86.0/46

All: 396.037 $\pm$ 82.693 χ^2 /NDF: 141.9/95

- sign 130.927 $\pm$ 117.858 χ^2 /NDF: 45.9/48

asym_sam_12345678_avg_rms vs Slug



Right In: 1027.920+/-0.245 χ^2/NDF : 1684972.7/21

Left Out: 519.254+/-0.087 χ^2/NDF :1172411.1/24

Right Out: 1073.637+/-0.238 χ^2/NDF : 2128256.3/25

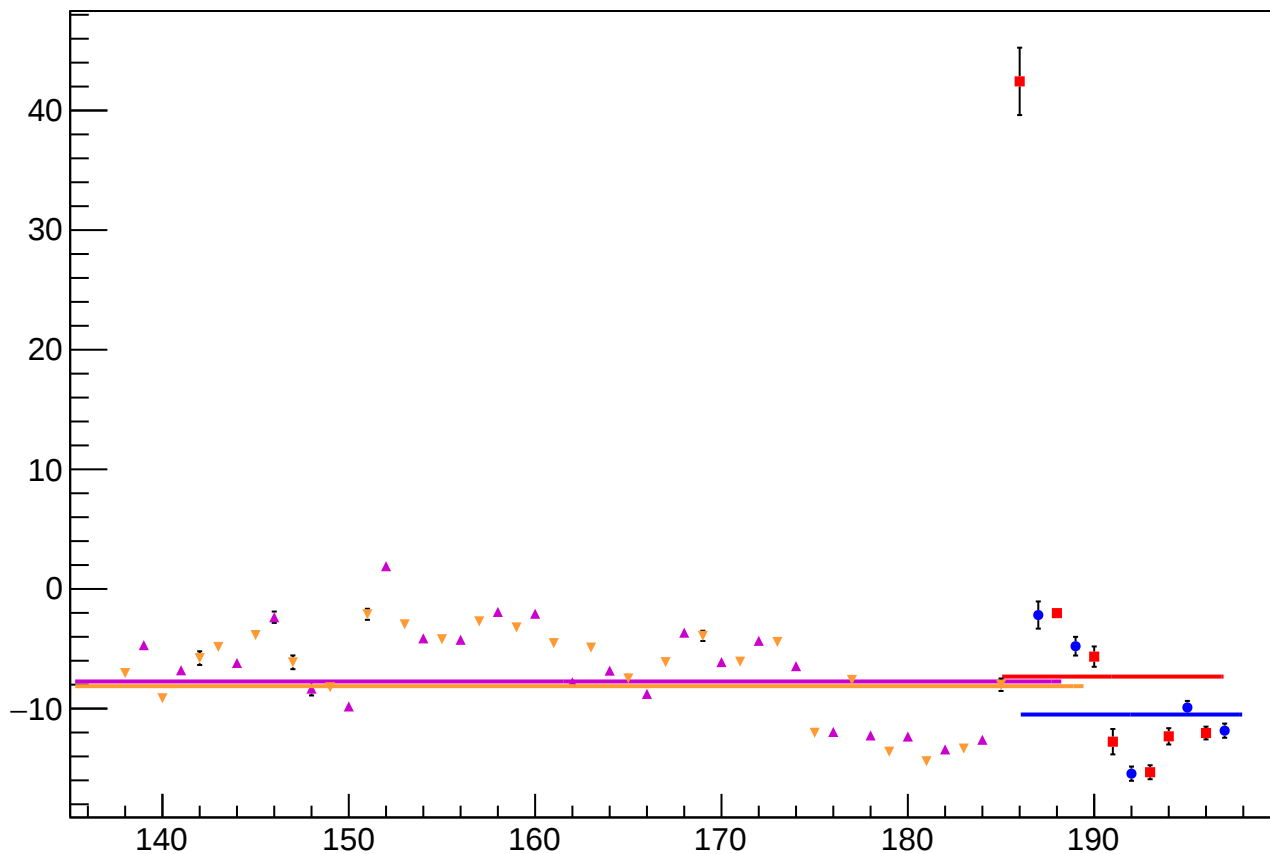
Left In: 516.792+/-0.089 χ^2/NDF :1021374.1/22

+ sign 576.157+/-0.082 χ^2/NDF : 6674752.6/46

All: 580.472+/-0.058 χ^2/NDF : 14624105.4/95

- sign 584.922+/-0.083 χ^2/NDF : 7943737.5/48

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -10.497 ± 0.297 $\chi^2/\text{NDF}: 181.9/4$

Left Out: -8.127 ± 0.067 $\chi^2/\text{NDF}: 3635.5/24$

Right Out: -7.326 ± 0.224 $\chi^2/\text{NDF}: 910.6/6$

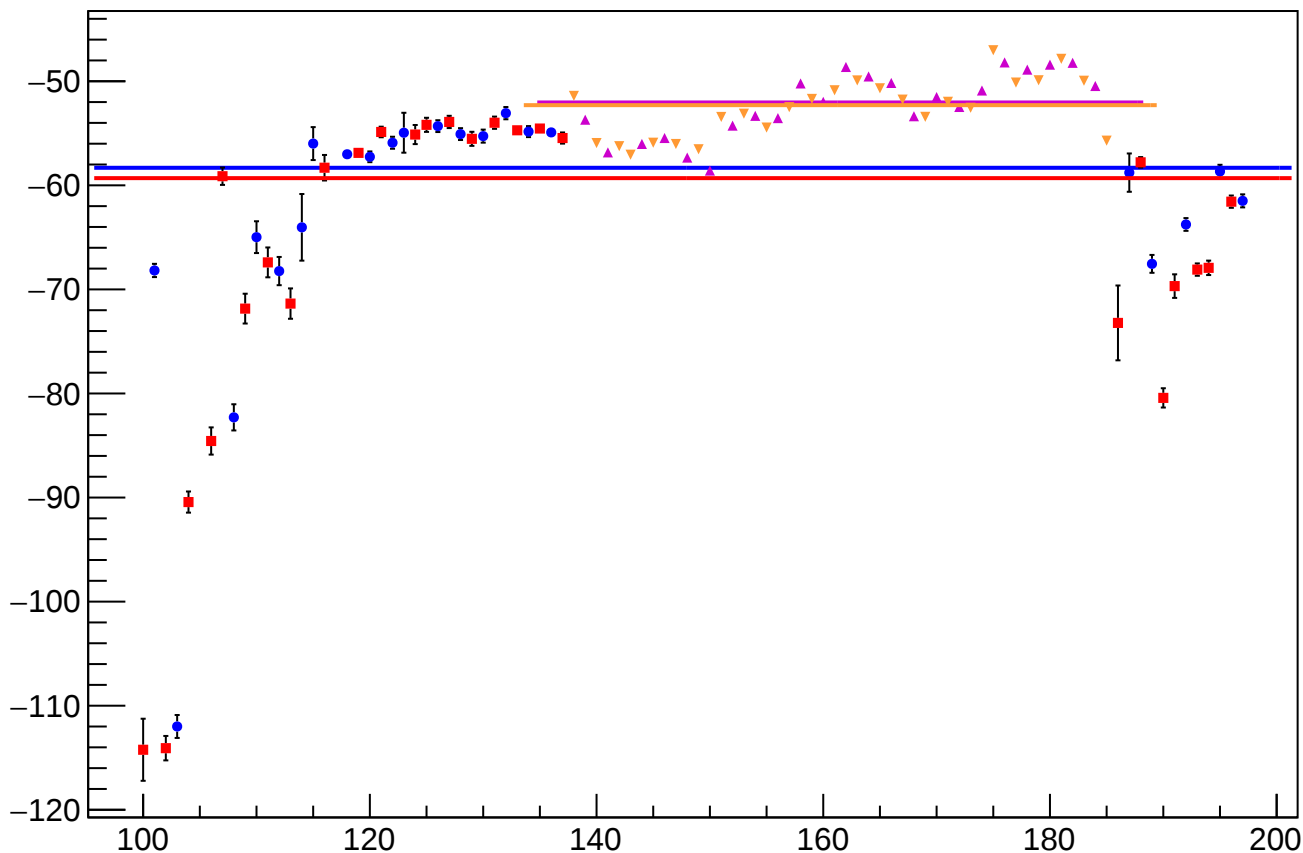
Left In: -7.732 ± 0.069 $\chi^2/\text{NDF}: 3719.0/22$

+ sign -8.244 ± 0.066 $\chi^2/\text{NDF}: 3878.0/29$

All: -7.971 ± 0.047 $\chi^2/\text{NDF}: 8545.2/59$

- sign -7.697 ± 0.066 $\chi^2/\text{NDF}: 4632.7/29$

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.314 ± 0.131 χ^2/NDF : 3705.5/21

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -59.309 ± 0.126 χ^2/NDF : 5838.3/25

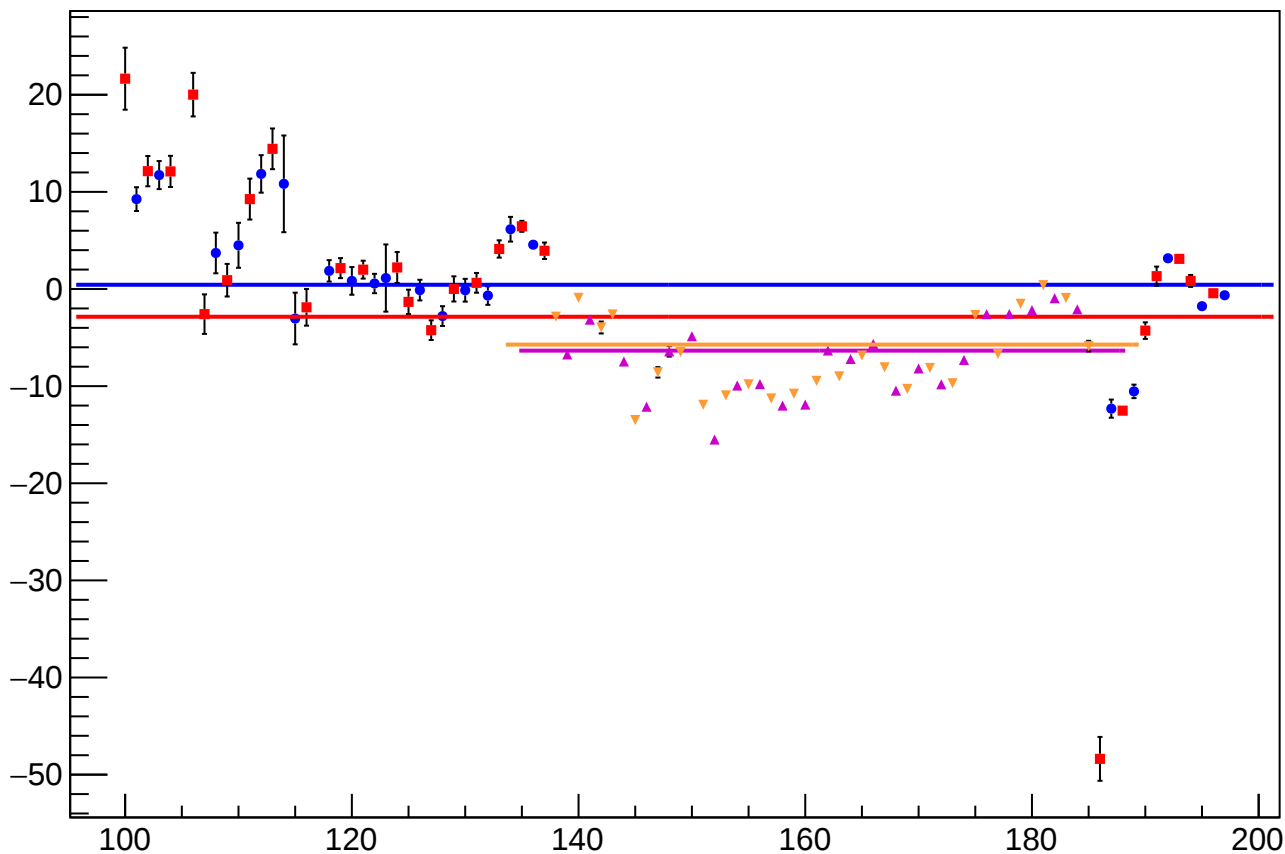
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.198 ± 0.051 χ^2/NDF : 8151.6/46

All: -53.234 ± 0.036 χ^2/NDF : 19916.6/95

- sign -53.271 ± 0.052 χ^2/NDF : 11764.0/48

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 0.437 ± 0.182 χ^2/NDF : 787.1/21

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -2.855 ± 0.155 χ^2/NDF : 2818.1/25

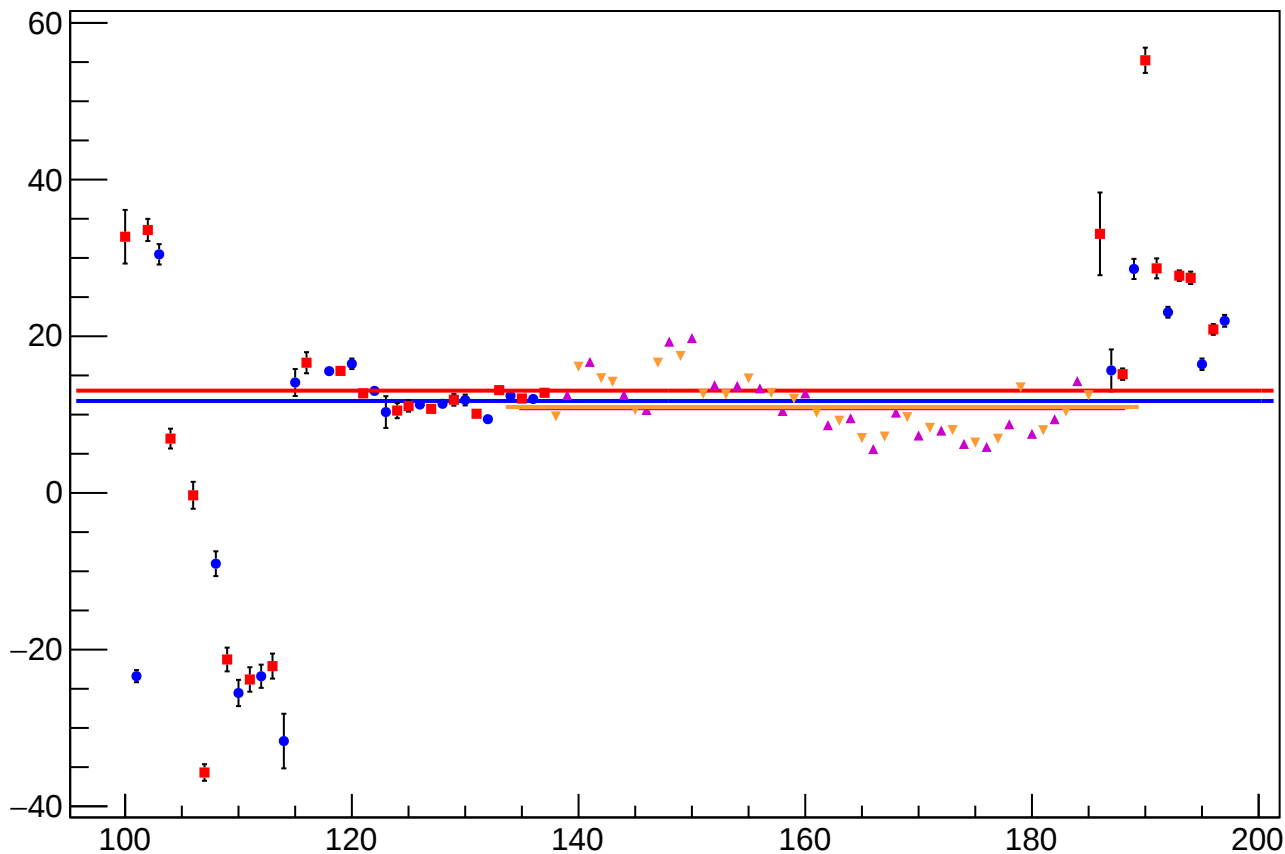
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -4.974 ± 0.063 χ^2/NDF : 5778.9/46

All: -5.378 ± 0.045 χ^2/NDF : 12483.3/95

- sign -5.774 ± 0.063 χ^2/NDF : 6623.9/48

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 11.742 ± 0.147 $\chi^2/\text{NDF}: 4438.9/21$

Left Out: 10.967 ± 0.061 $\chi^2/\text{NDF}: 2637.7/24$

Right Out: 13.060 ± 0.145 $\chi^2/\text{NDF}: 5893.4/25$

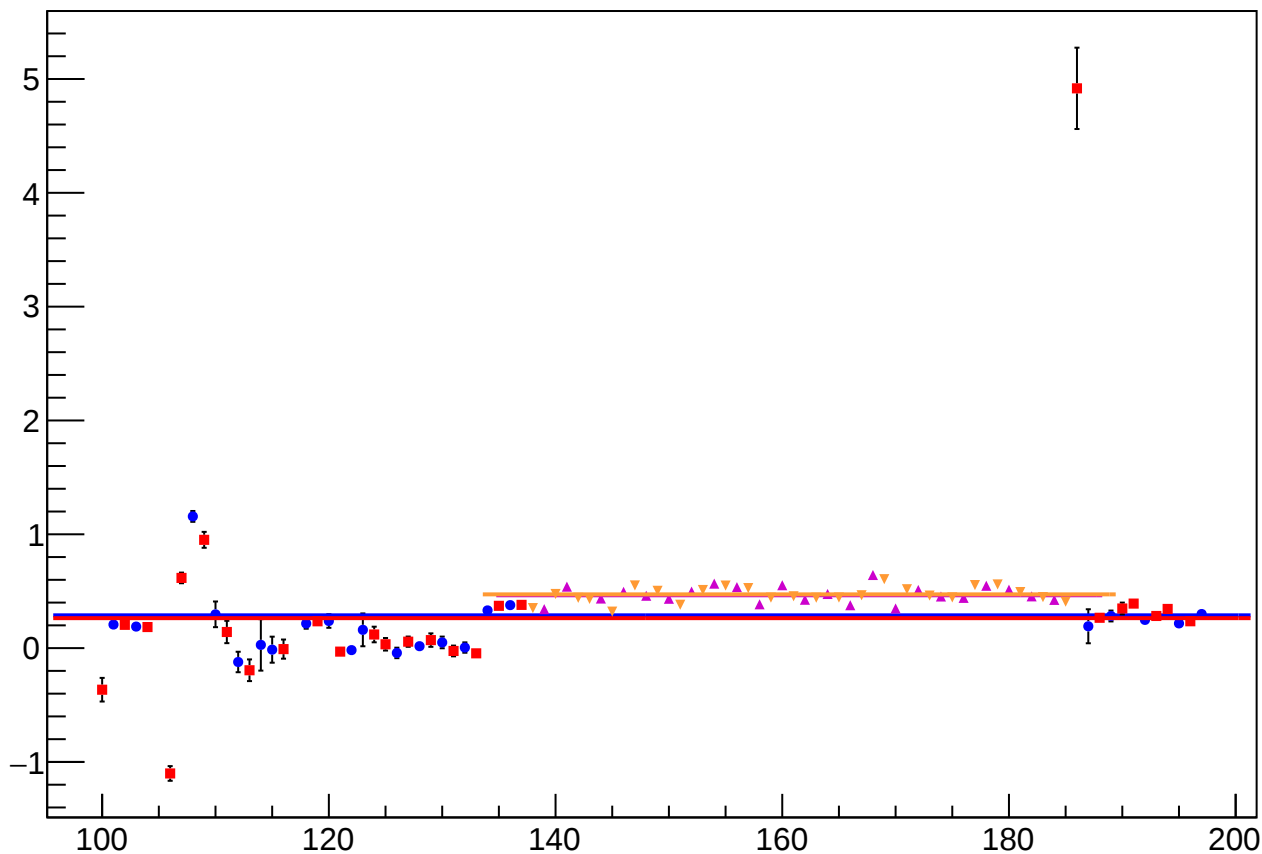
Left In: 10.813 ± 0.063 $\chi^2/\text{NDF}: 3546.8/22$

+ sign 11.083 ± 0.057 $\chi^2/\text{NDF}: 7100.3/46$

All: 11.127 ± 0.040 $\chi^2/\text{NDF}: 16744.4/95$

- sign 11.173 ± 0.058 $\chi^2/\text{NDF}: 9642.9/48$

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.288 ± 0.007 χ^2/NDF : 665.3/21

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.263 ± 0.007 χ^2/NDF : 1191.0/25

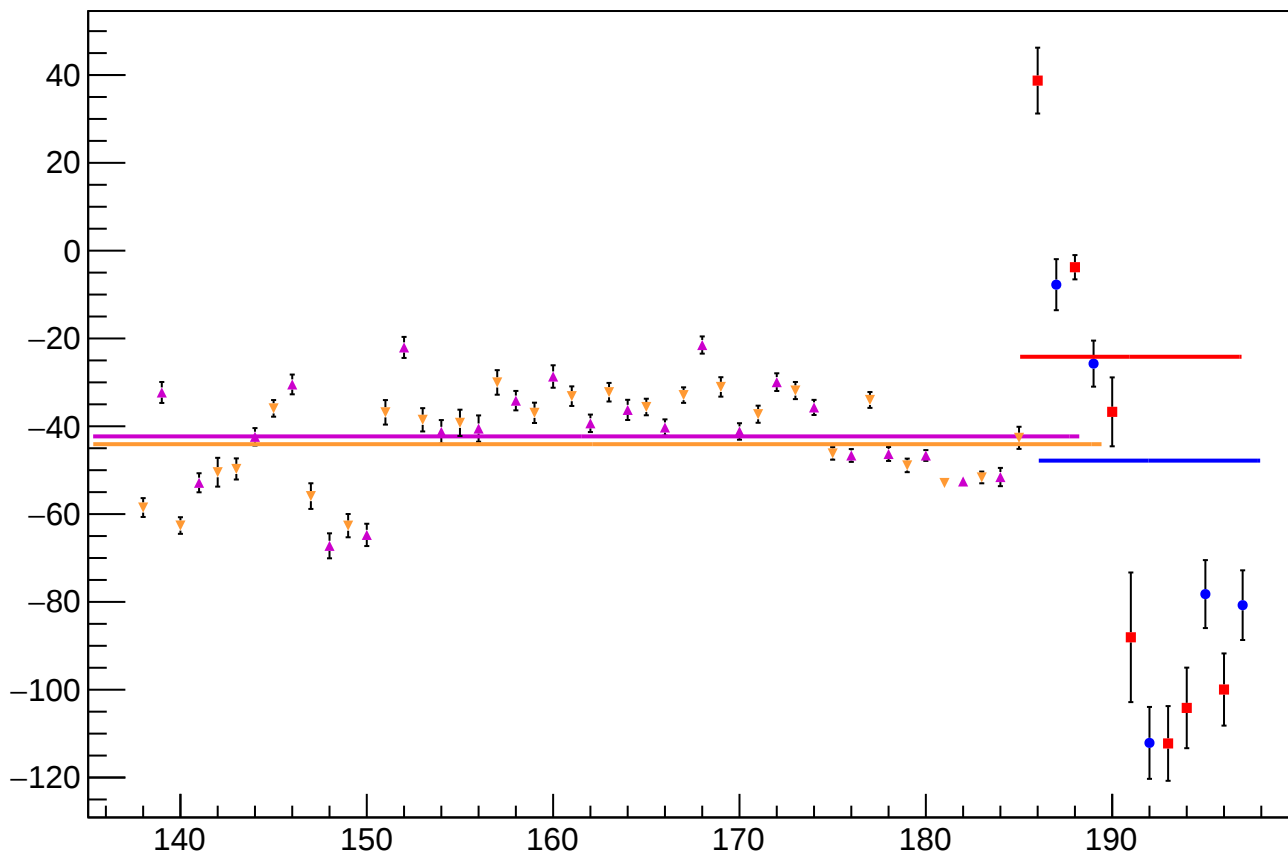
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.447 ± 0.003 χ^2/NDF : 1803.6/46

All: 0.441 ± 0.002 χ^2/NDF : 4505.8/95

- sign 0.435 ± 0.003 χ^2/NDF : 2691.4/48

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -47.822 ± 2.969 χ^2/NDF : 159.5/4

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -24.167 ± 2.183 χ^2/NDF : 414.2/6

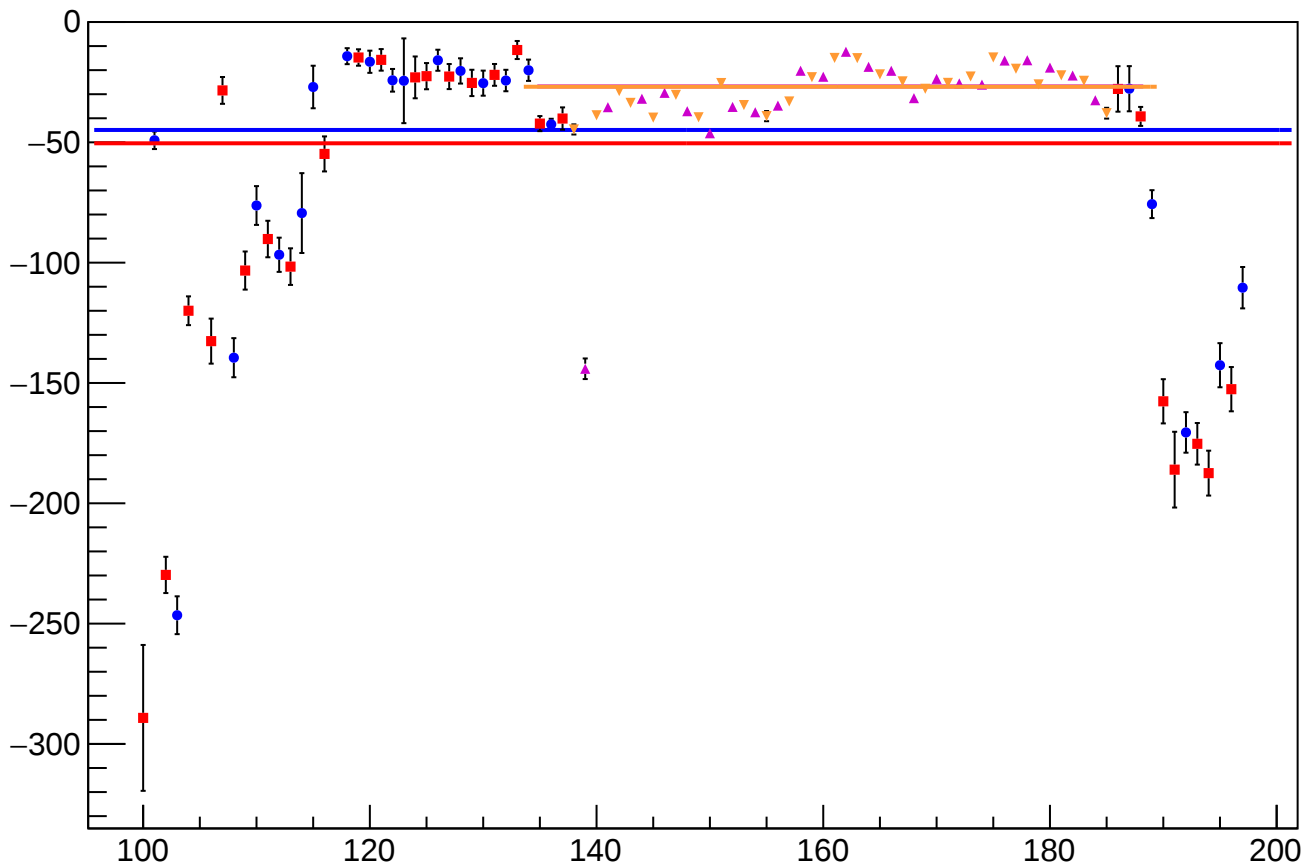
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -44.141 ± 0.385 χ^2/NDF : 793.6/29

All: -42.952 ± 0.275 χ^2/NDF : 1934.6/59

- sign -41.717 ± 0.393 χ^2/NDF : 1121.6/29

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -44.859 ± 1.093 $\chi^2/\text{NDF}: 1575.3/21$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -50.399 ± 1.112 $\chi^2/\text{NDF}: 2159.0/25$

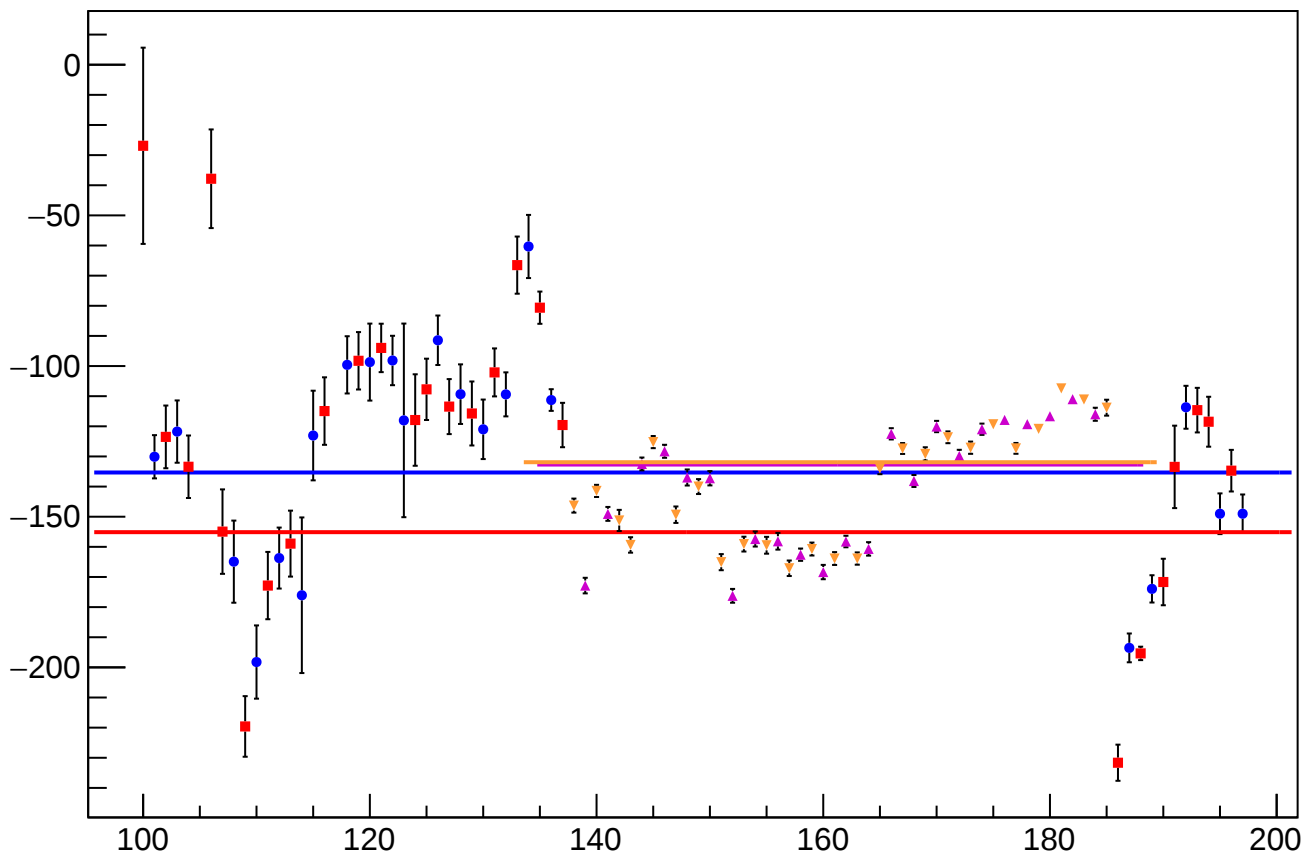
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -28.290 ± 0.304 $\chi^2/\text{NDF}: 2455.4/46$

All: -28.463 ± 0.218 $\chi^2/\text{NDF}: 6425.4/95$

- sign -28.647 ± 0.313 $\chi^2/\text{NDF}: 3969.3/48$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -135.325 $\pm$ 1.603 χ^2 /NDF: 473.3/21

Left Out: -131.912 $\pm$ 0.391 χ^2 /NDF:2439.3/24

Right Out: -155.127 $\pm$ 1.401 χ^2 /NDF: 1195.9/25

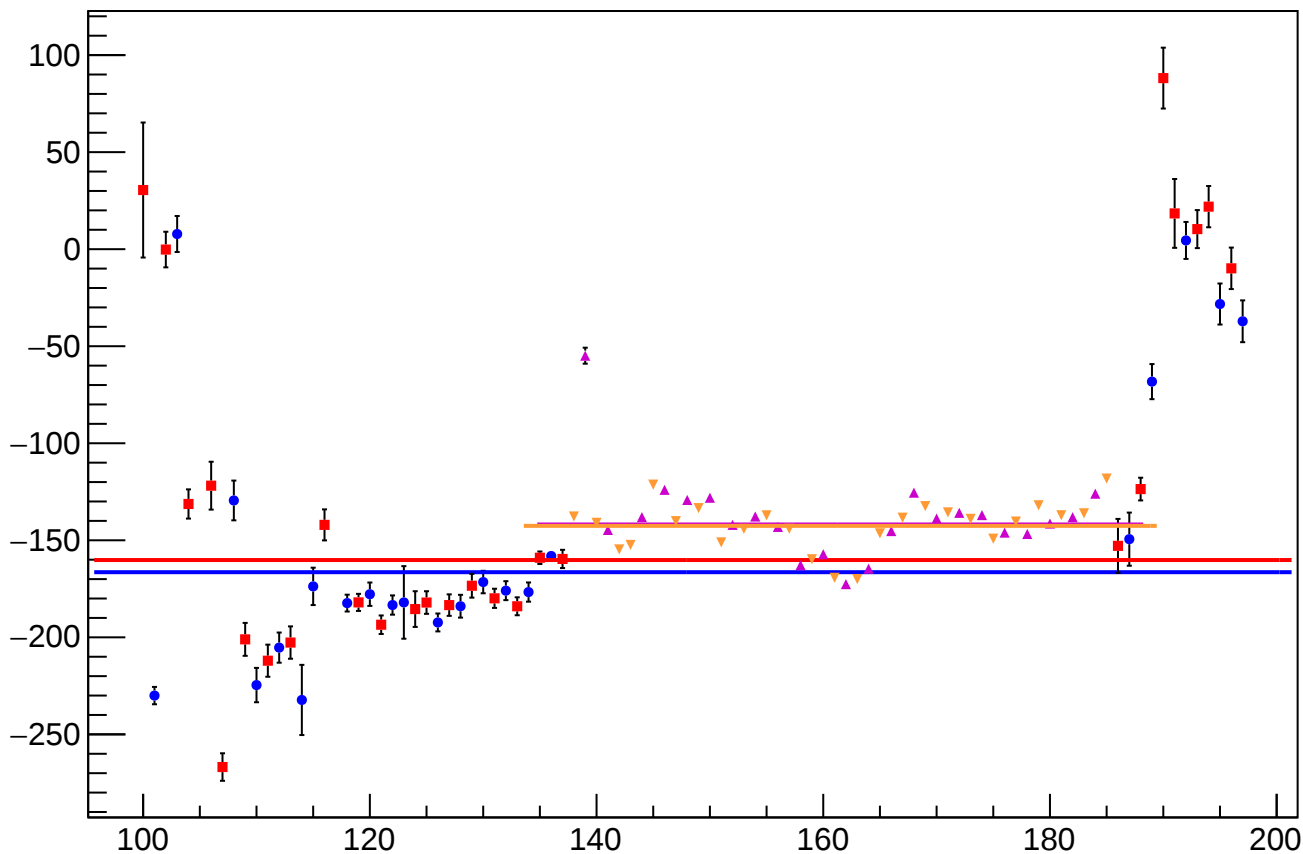
Left In: -132.690 $\pm$ 0.399 χ^2 /NDF:2480.2/22

+ sign -132.104 $\pm$ 0.380 χ^2 /NDF: 2916.8/46

All: -133.228 $\pm$ 0.270 χ^2 /NDF: 6847.7/95

- sign -134.375 $\pm$ 0.384 χ^2 /NDF: 3913.2/48

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -166.437 ± 1.233 $\chi^2/\text{NDF}: 1497.7/21$

Left Out: -142.564 ± 0.354 $\chi^2/\text{NDF}: 1147.7/24$

Right Out: -160.172 ± 1.279 $\chi^2/\text{NDF}: 2024.1/25$

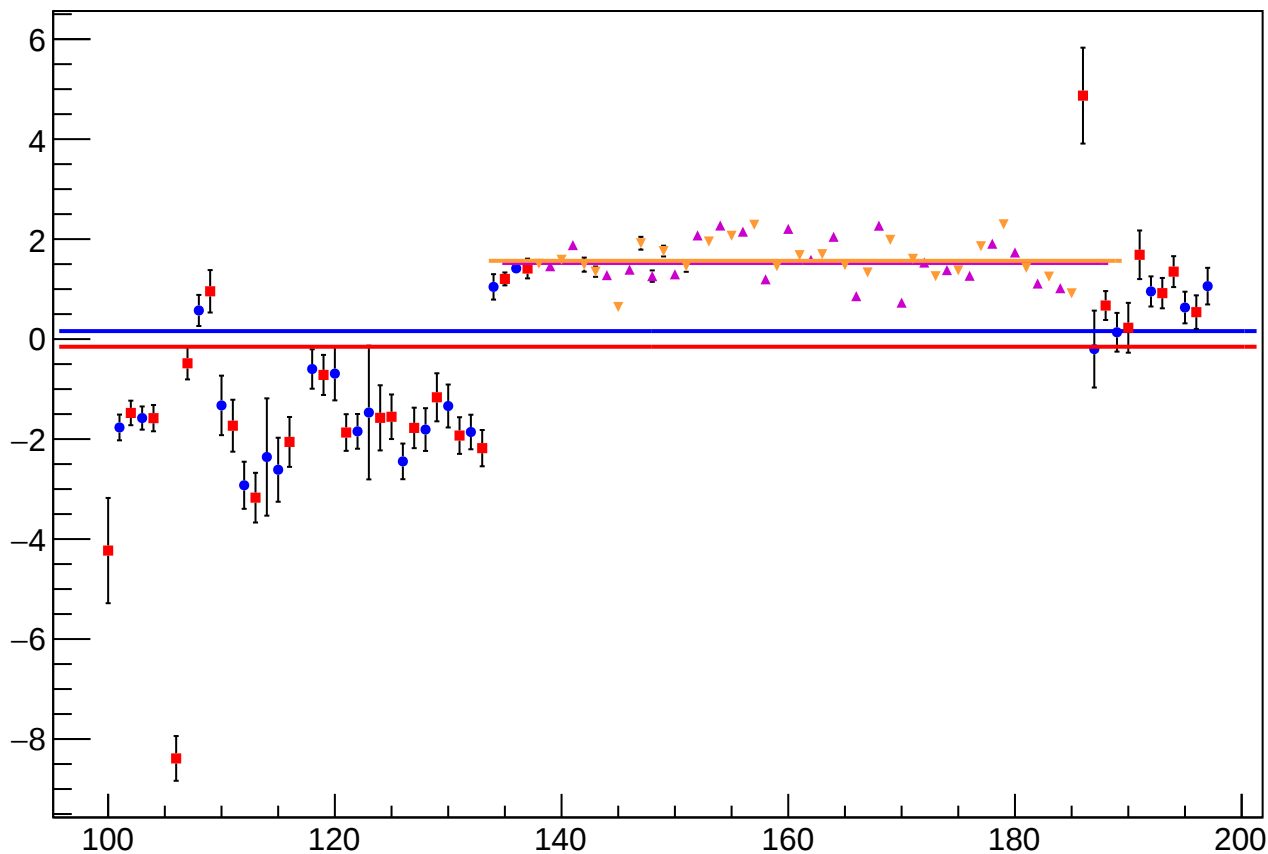
Left In: -141.856 ± 0.364 $\chi^2/\text{NDF}: 1544.3/22$

+ sign -144.382 ± 0.340 $\chi^2/\text{NDF}: 2991.7/46$

All: -143.820 ± 0.244 $\chi^2/\text{NDF}: 6755.4/95$

- sign -143.227 ± 0.350 $\chi^2/\text{NDF}: 3758.1/48$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.160 ± 0.062 χ^2/NDF : 542.2/21

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: -0.153 ± 0.064 χ^2/NDF : 858.6/25

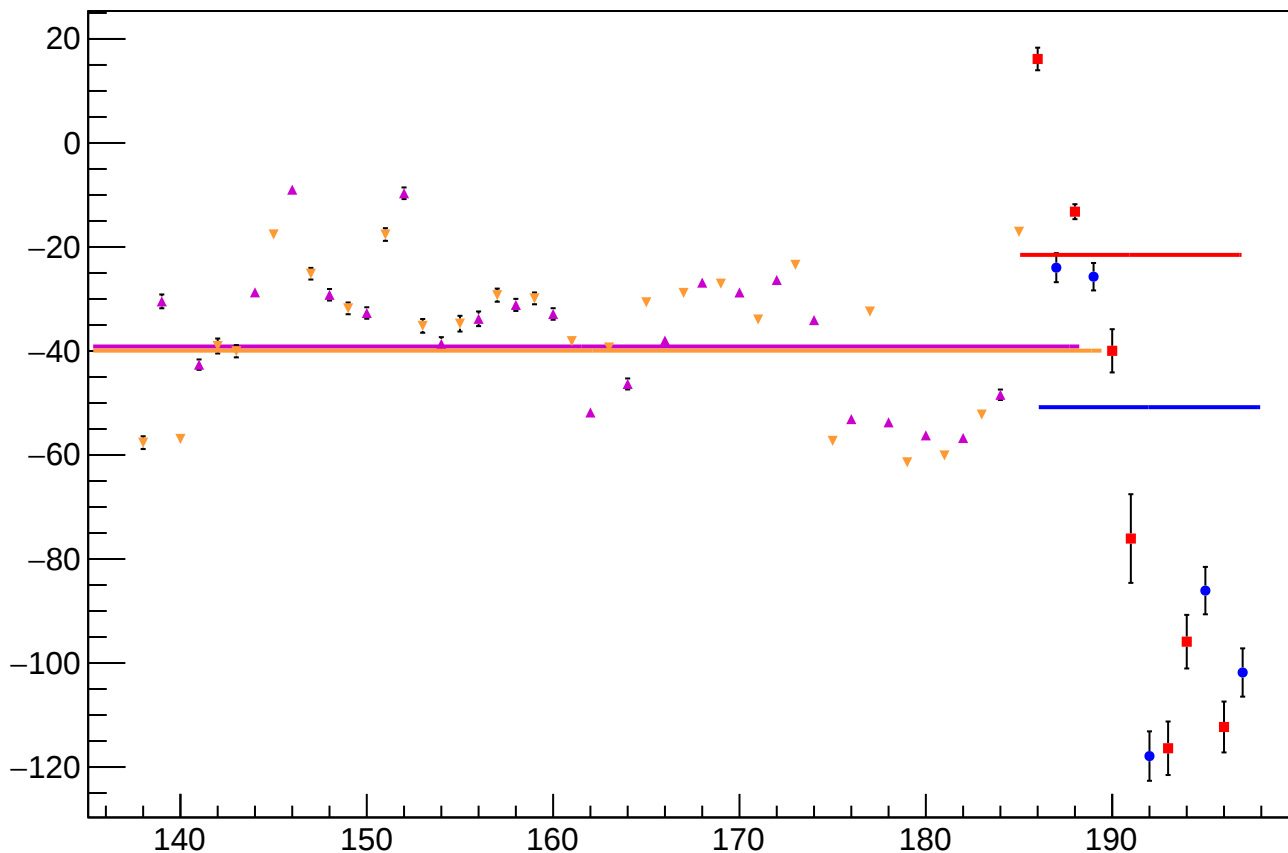
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.477 ± 0.016 χ^2/NDF : 1563.3/46

All: 1.448 ± 0.011 χ^2/NDF : 3819.1/95

- sign 1.417 ± 0.016 χ^2/NDF : 2248.5/48

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -50.807 ± 1.561 χ^2/NDF : 562.5/4

Left Out: -39.935 ± 0.153 χ^2/NDF : 9806.5/24

Right Out: -21.518 ± 1.064 χ^2/NDF : 1287.1/6

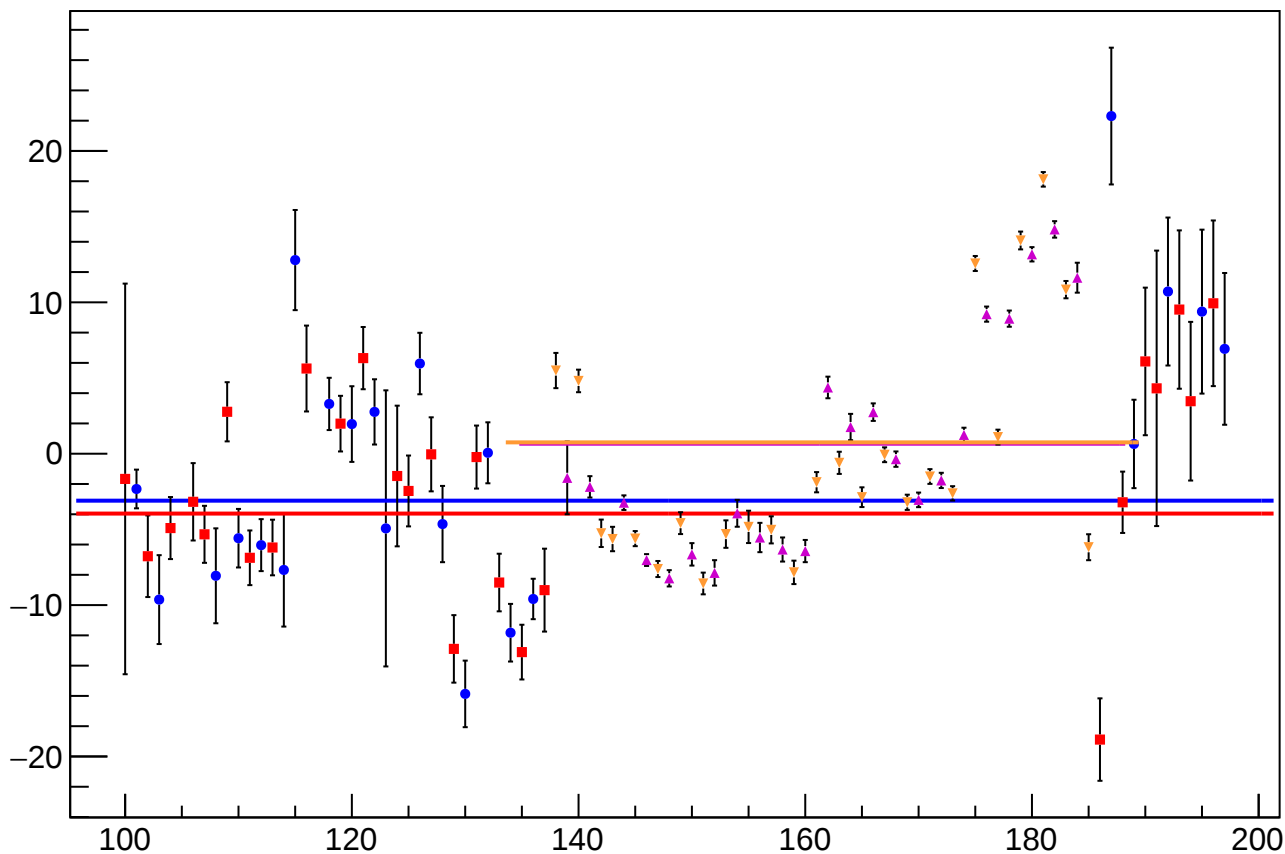
Left In: -39.137 ± 0.155 χ^2/NDF : 8534.5/22

+ sign -40.039 ± 0.152 χ^2/NDF : 10417.0/29

All: -39.408 ± 0.108 χ^2/NDF : 20541.4/59

- sign -38.773 ± 0.153 χ^2/NDF : 10090.0/29

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.102 ± 0.483 $\chi^2/\text{NDF}: 213.9/21$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.954 ± 0.476 $\chi^2/\text{NDF}: 172.4/25$

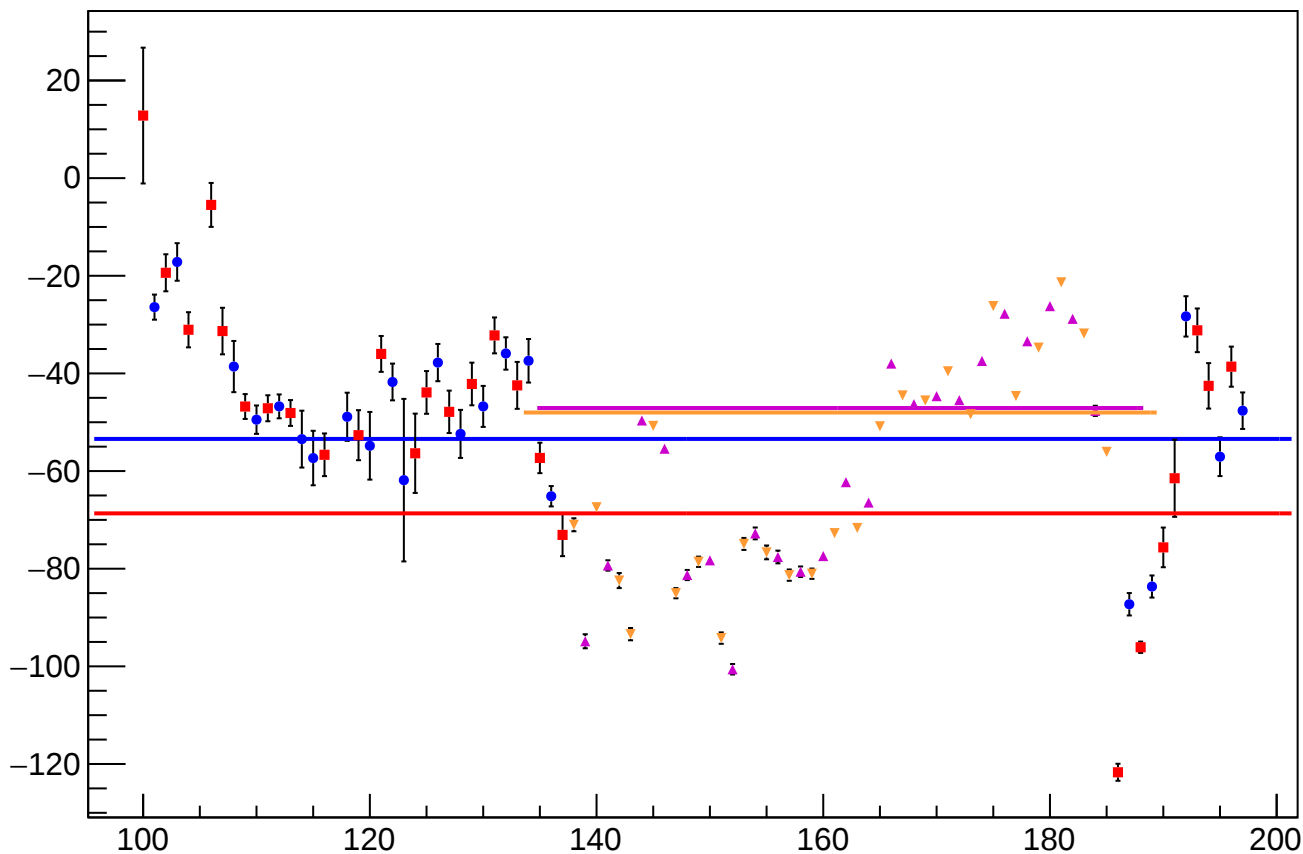
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.510 ± 0.120 $\chi^2/\text{NDF}: 4244.5/46$

All: 0.437 ± 0.085 $\chi^2/\text{NDF}: 7843.6/95$

- sign 0.365 ± 0.120 $\chi^2/\text{NDF}: 3598.3/48$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -53.416 ± 0.734 χ^2/NDF : 755.3/21

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -68.666 ± 0.620 χ^2/NDF : 2745.2/25

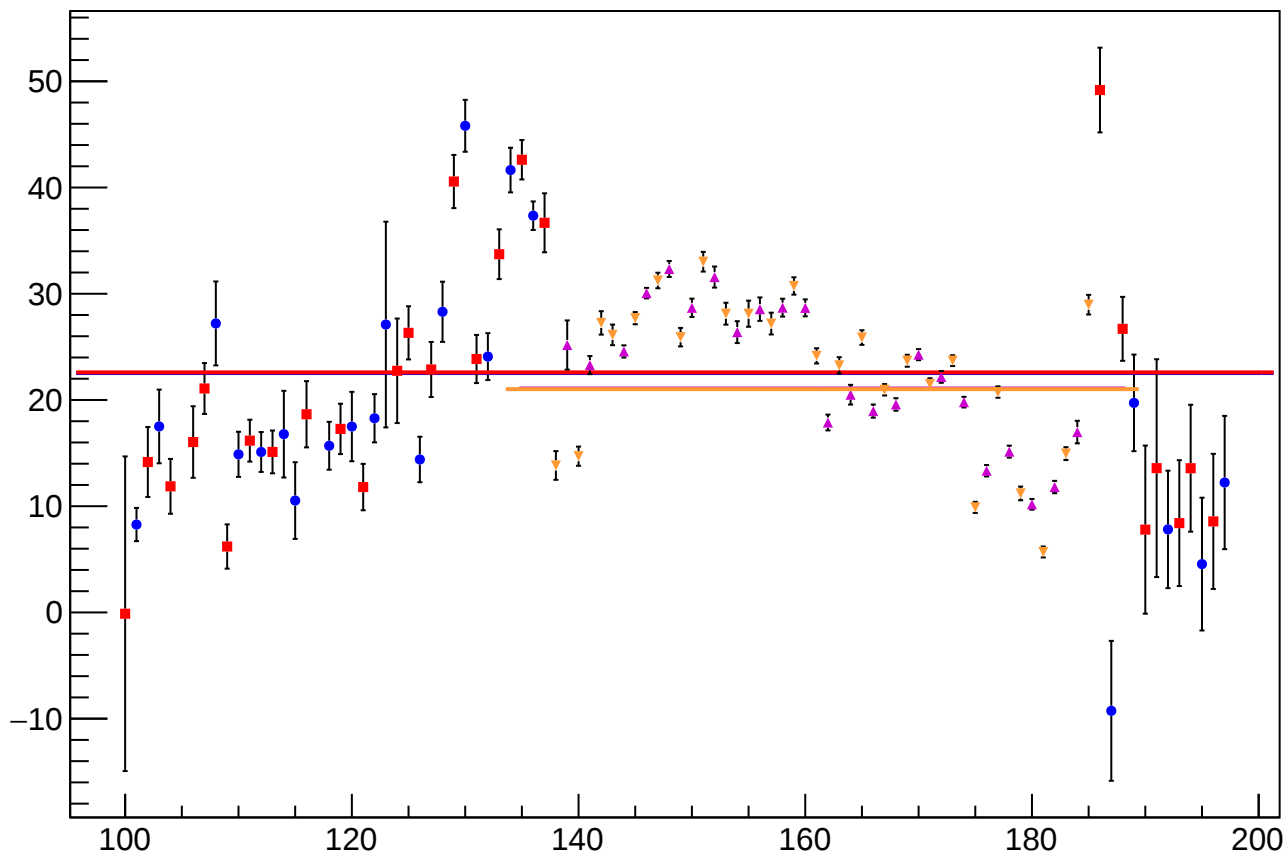
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.237 ± 0.151 χ^2/NDF : 17757.2/46

All: -48.298 ± 0.107 χ^2/NDF : 37156.5/95

- sign -48.358 ± 0.151 χ^2/NDF : 19398.9/48

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.536 $\pm$ 0.547 χ^2 /NDF: 500.0/21

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF:2799.3/24

Right Out: 22.599 $\pm$ 0.549 χ^2 /NDF: 429.9/25

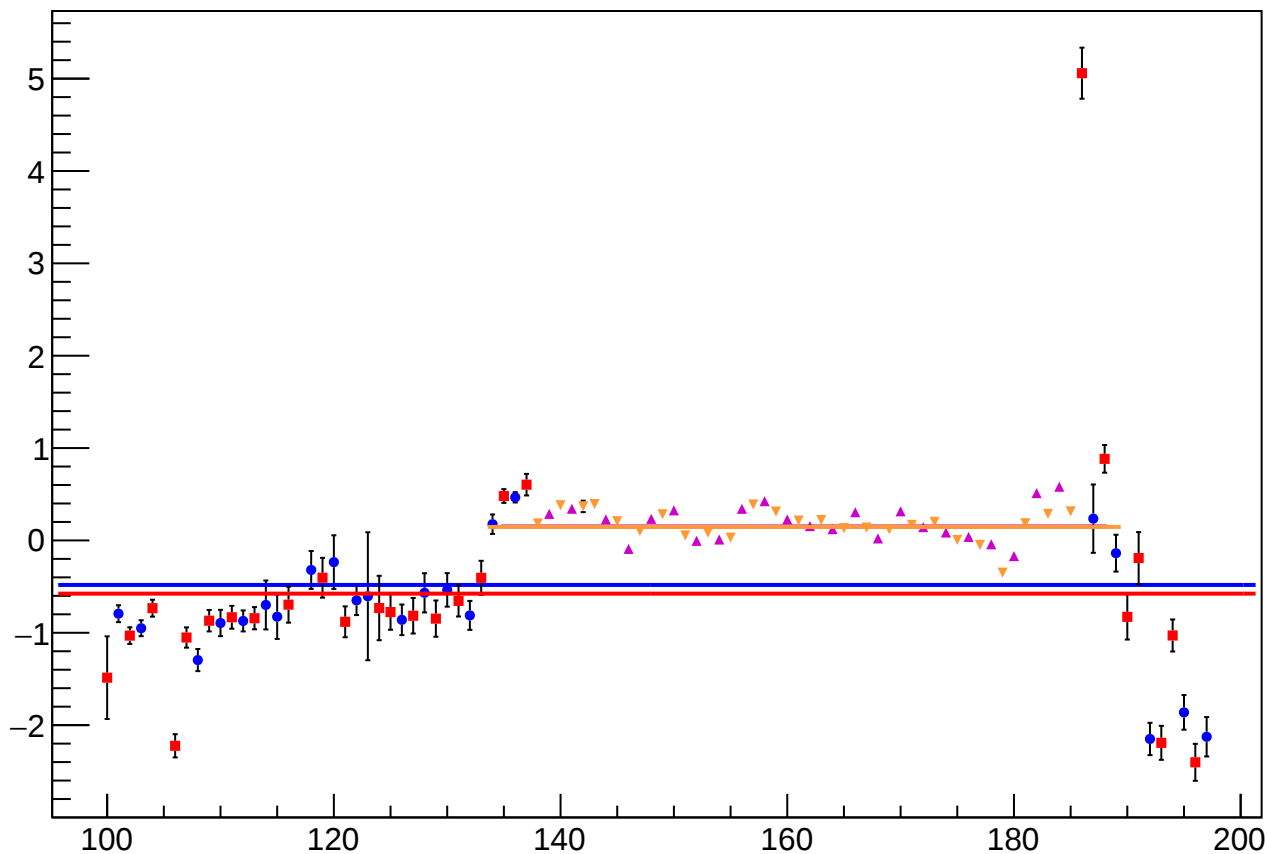
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF:2173.2/22

+ sign 21.112 $\pm$ 0.135 χ^2 /NDF: 3306.5/46

All: 21.141 $\pm$ 0.095 χ^2 /NDF: 5917.0/95

- sign 21.171 $\pm$ 0.135 χ^2 /NDF: 2610.4/48

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.482 ± 0.029 χ^2/NDF : 661.3/21

Left Out: 0.146 ± 0.006 χ^2/NDF : 610.2/24

Right Out: -0.576 ± 0.028 χ^2/NDF : 1233.1/25

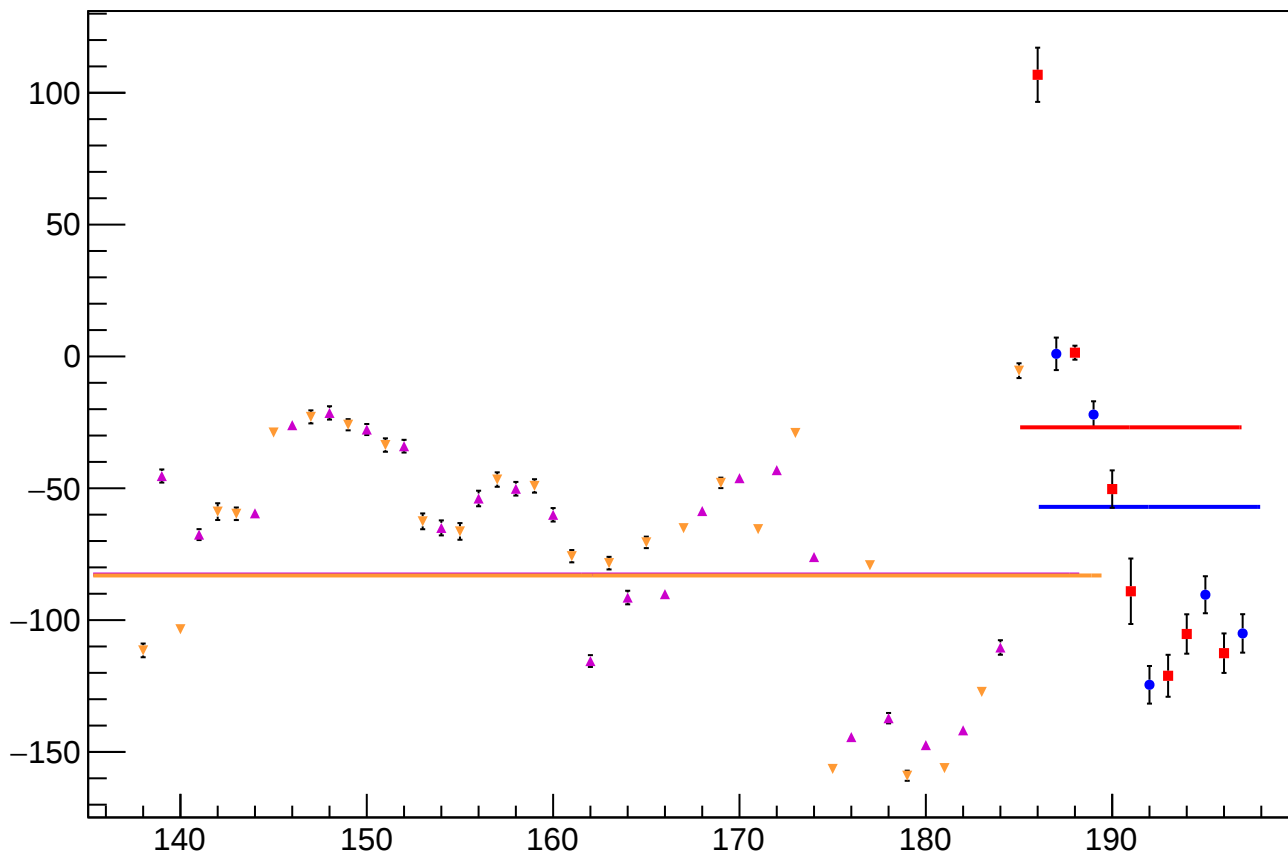
Left In: 0.151 ± 0.006 χ^2/NDF : 869.5/22

+ sign 0.117 ± 0.006 χ^2/NDF : 1728.8/46

All: 0.116 ± 0.004 χ^2/NDF : 4469.0/95

- sign 0.115 ± 0.006 χ^2/NDF : 2740.2/48

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -57.052 ± 2.836 χ^2/NDF : 292.2/4

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: -26.884 ± 2.088 χ^2/NDF : 700.0/6

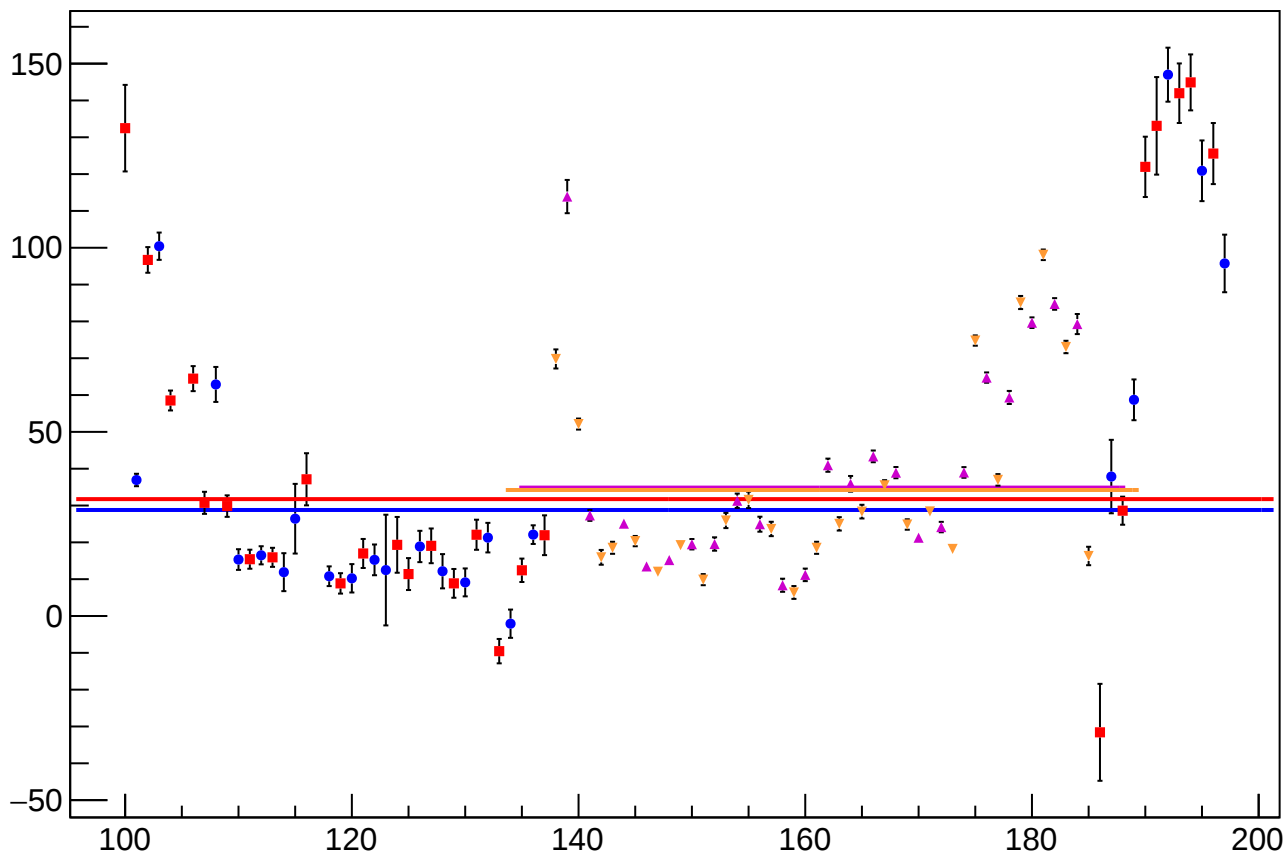
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -82.545 ± 0.402 χ^2/NDF : 14192.0/29

All: -81.578 ± 0.286 χ^2/NDF : 26432.9/59

- sign -80.587 ± 0.407 χ^2/NDF : 12229.3/29

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 28.791 ± 0.784 $\chi^2/\text{NDF}: 1195.9/21$

Left Out: 34.219 ± 0.320 $\chi^2/\text{NDF}: 6192.6/24$

Right Out: 31.741 ± 0.775 $\chi^2/\text{NDF}: 1779.3/25$

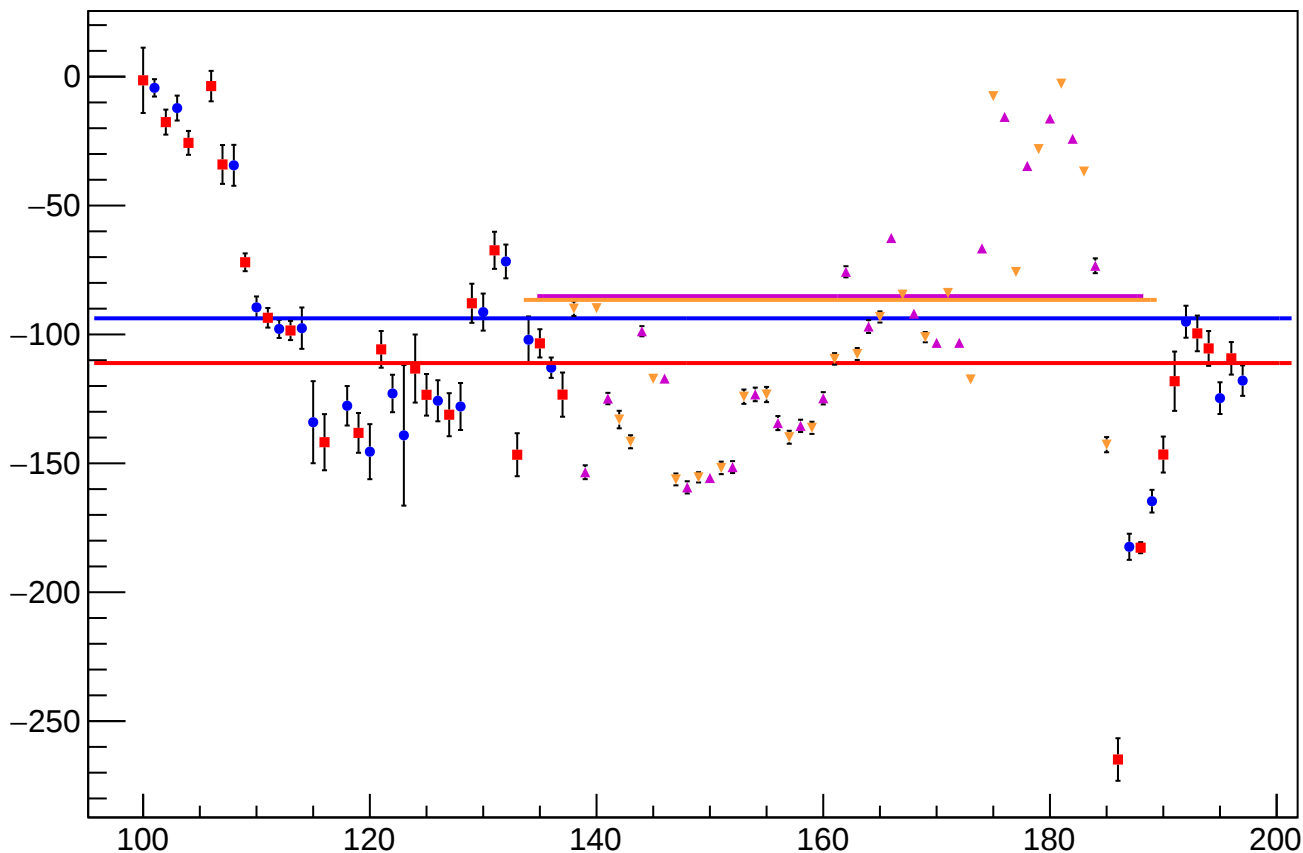
Left In: 34.870 ± 0.329 $\chi^2/\text{NDF}: 4716.1/22$

+ sign 33.443 ± 0.296 $\chi^2/\text{NDF}: 7429.5/46$

All: 33.907 ± 0.212 $\chi^2/\text{NDF}: 13943.7/95$

- sign 34.392 ± 0.303 $\chi^2/\text{NDF}: 6509.2/48$

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -93.745 ± 1.223 χ^2/NDF : 1790.2/21

Left Out: -86.595 ± 0.408 χ^2/NDF : 14515.7/24

Right Out: -111.099 ± 1.070 χ^2/NDF : 2972.7/25

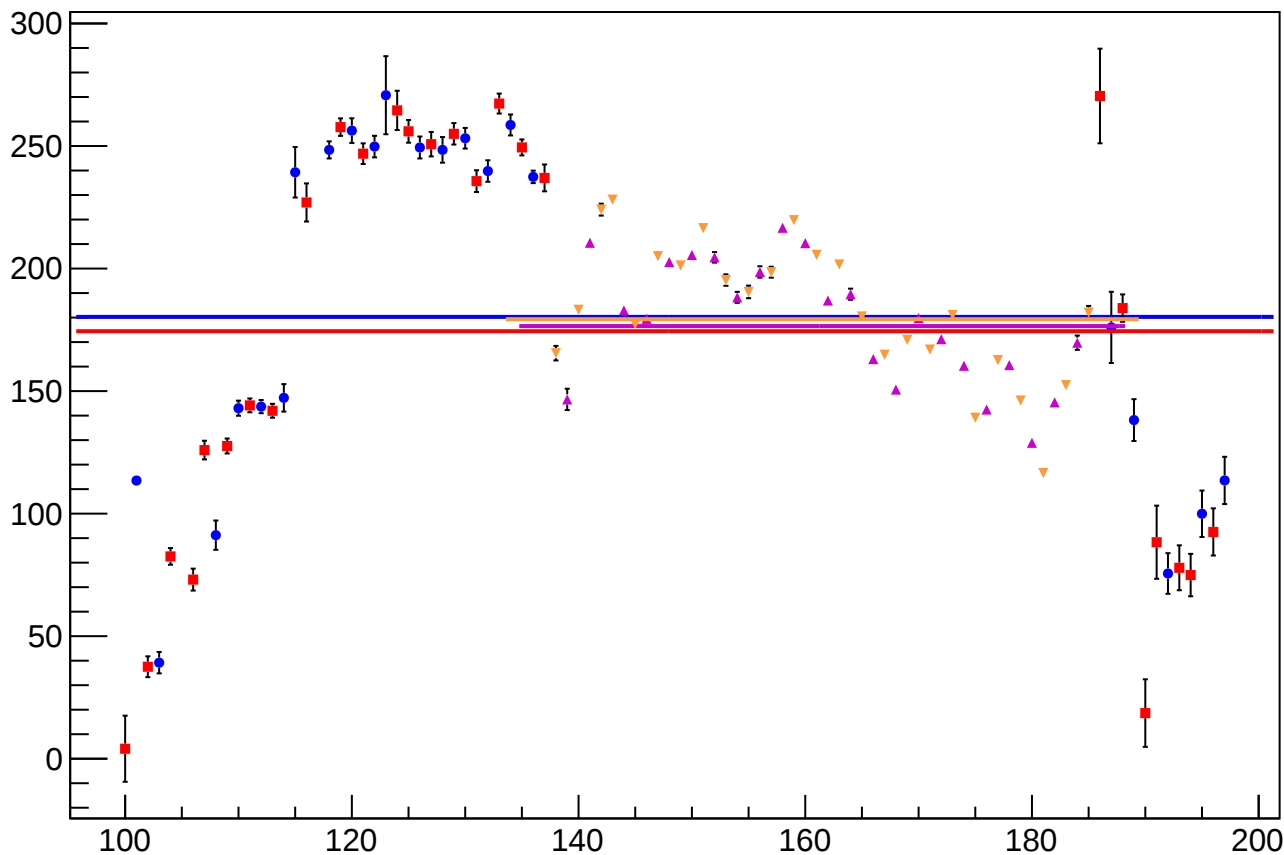
Left In: -85.134 ± 0.415 χ^2/NDF : 12841.3/22

+ sign -87.312 ± 0.387 χ^2/NDF : 16336.6/46

All: -87.922 ± 0.274 χ^2/NDF : 32667.4/95

- sign -88.530 ± 0.387 χ^2/NDF : 16325.9/48

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 180.288 $\pm$ 0.900 χ^2 /NDF: 5633.5/21

Left Out: 179.359 $\pm$ 0.362 χ^2 /NDF: 5982.2/24

Right Out: 174.437 $\pm$ 0.895 χ^2 /NDF: 6854.4/25

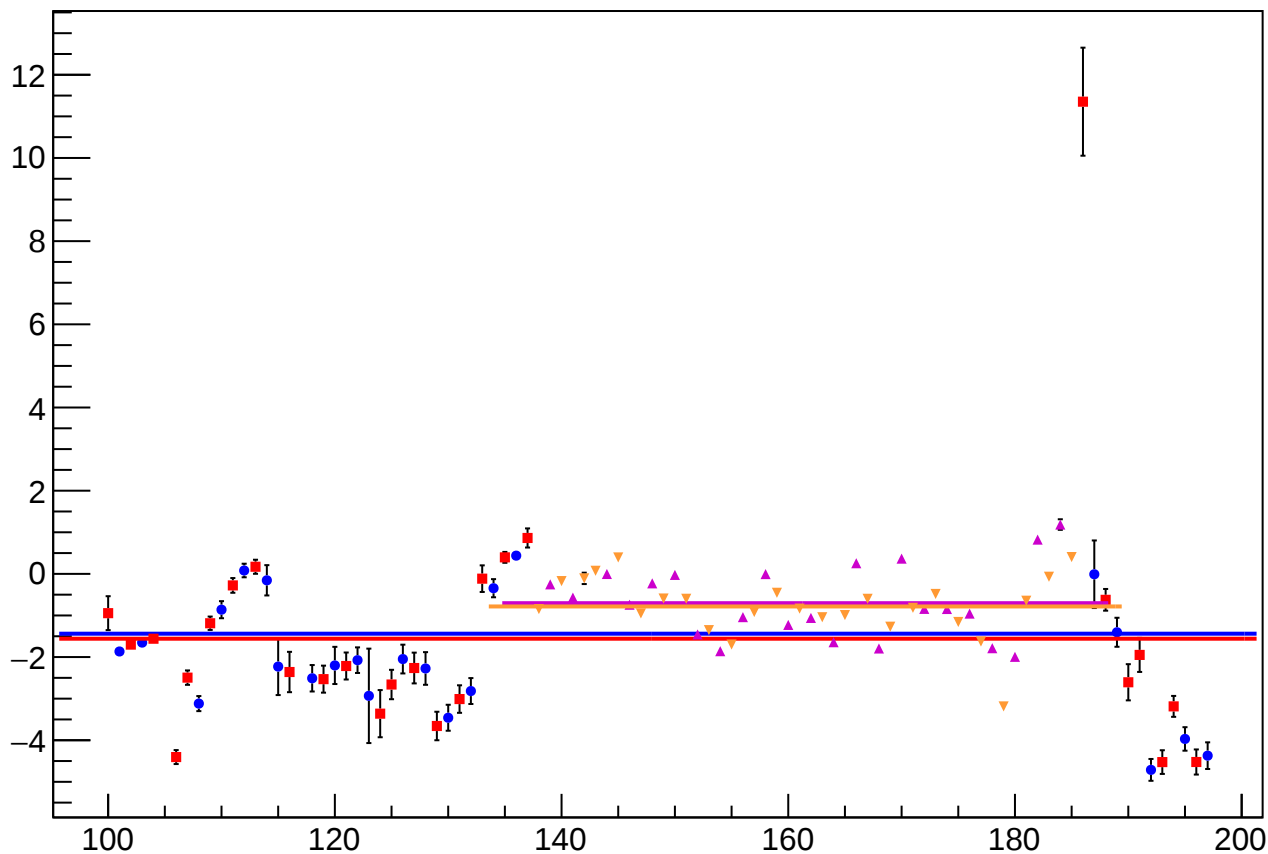
Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

+ sign 179.489 $\pm$ 0.336 χ^2 /NDF: 11616.7/46

All: 177.890 $\pm$ 0.240 χ^2 /NDF: 22948.0/95

- sign 176.224 $\pm$ 0.343 χ^2 /NDF: 11285.0/48

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.438 ± 0.046 χ^2/NDF : 968.9/21

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.559 ± 0.043 χ^2/NDF : 1298.6/25

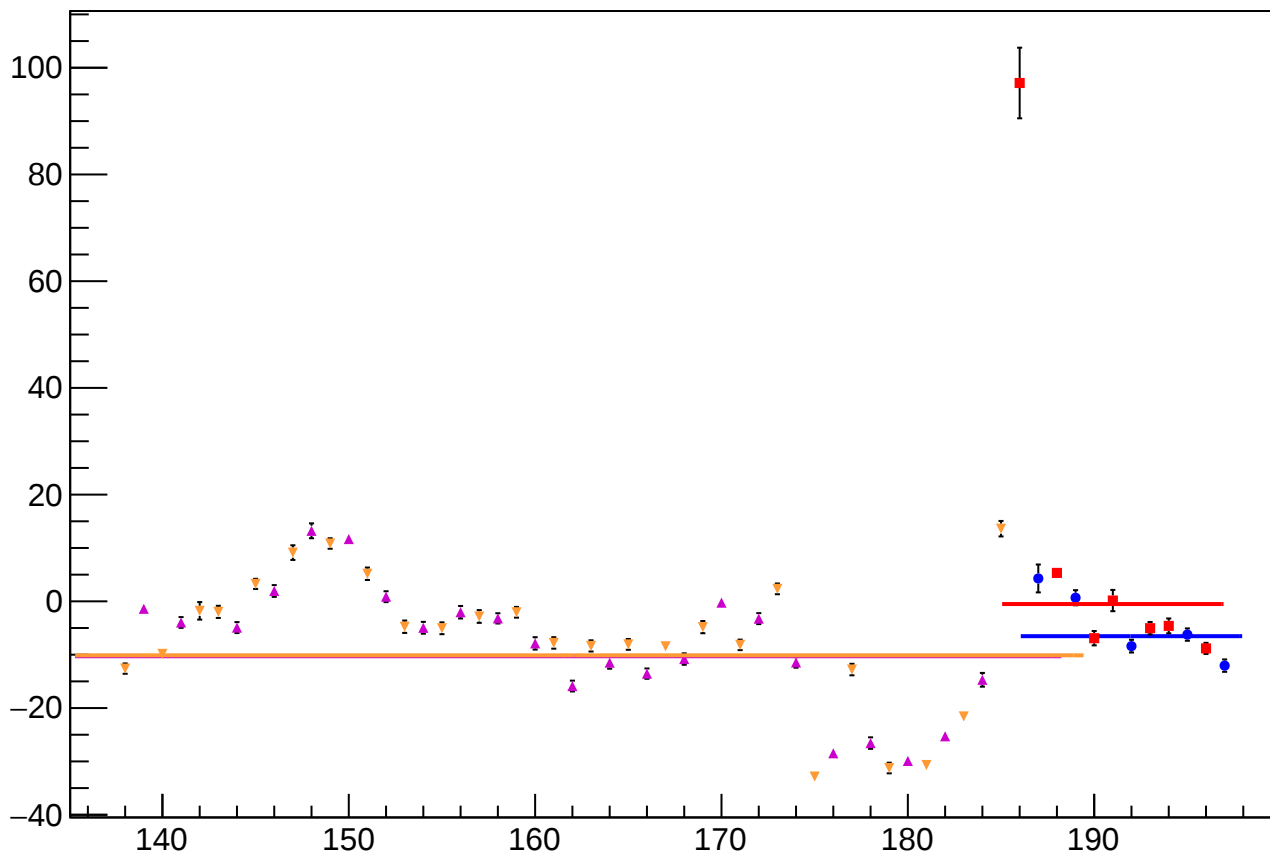
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.859 ± 0.016 χ^2/NDF : 2921.2/46

All: -0.840 ± 0.011 χ^2/NDF : 6972.5/95

- sign -0.819 ± 0.016 χ^2/NDF : 4048.0/48

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -6.531 ± 0.594 χ^2/NDF : 68.0/4

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -0.507 ± 0.429 χ^2/NDF : 410.9/6

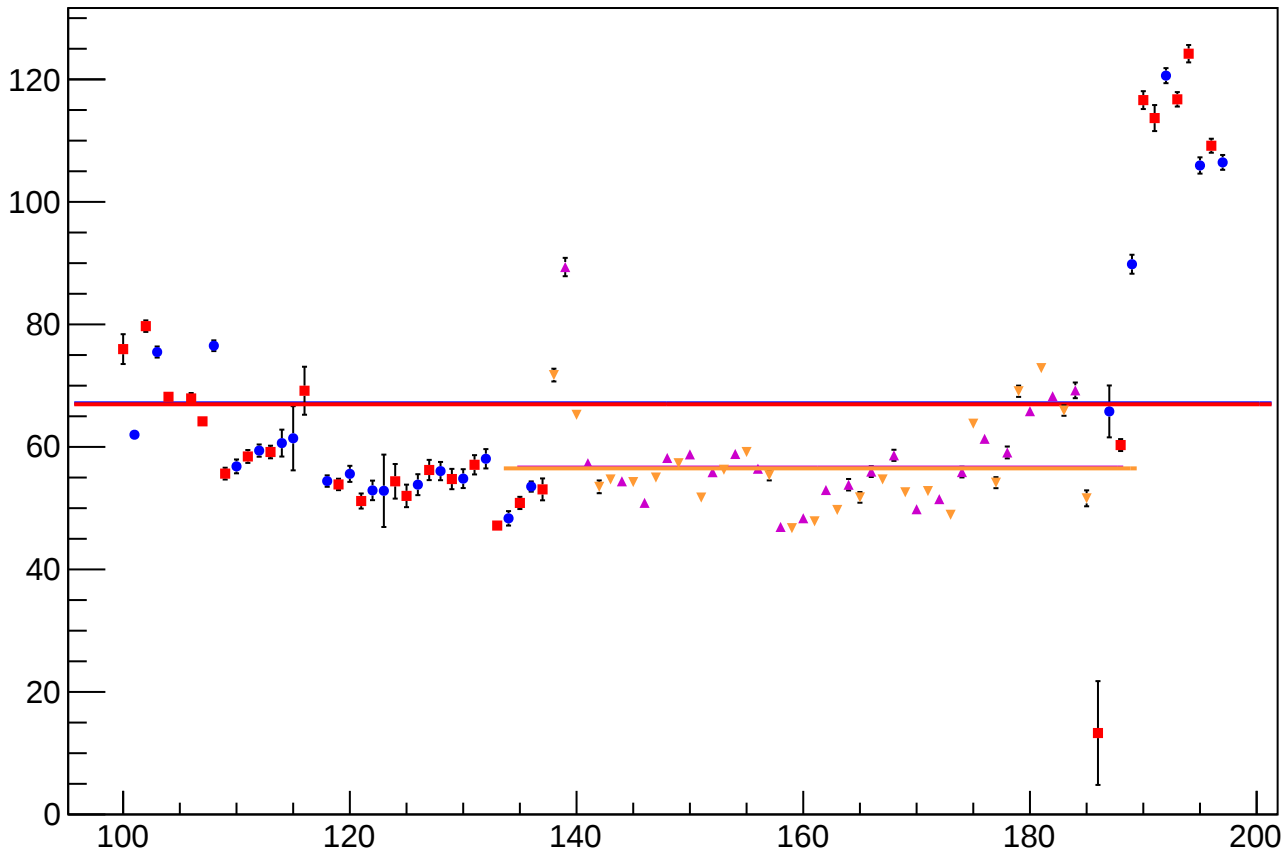
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -9.748 ± 0.191 χ^2/NDF : 4238.8/29

All: -9.086 ± 0.133 χ^2/NDF : 8547.9/59

- sign -8.462 ± 0.185 χ^2/NDF : 4285.7/29

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 67.116 $\pm$ 0.244 χ^2 /NDF: 5550.7/21

Left Out: 56.496 $\pm$ 0.159 χ^2 /NDF:1968.0/24

Right Out: 66.960 $\pm$ 0.224 χ^2 /NDF: 8747.7/25

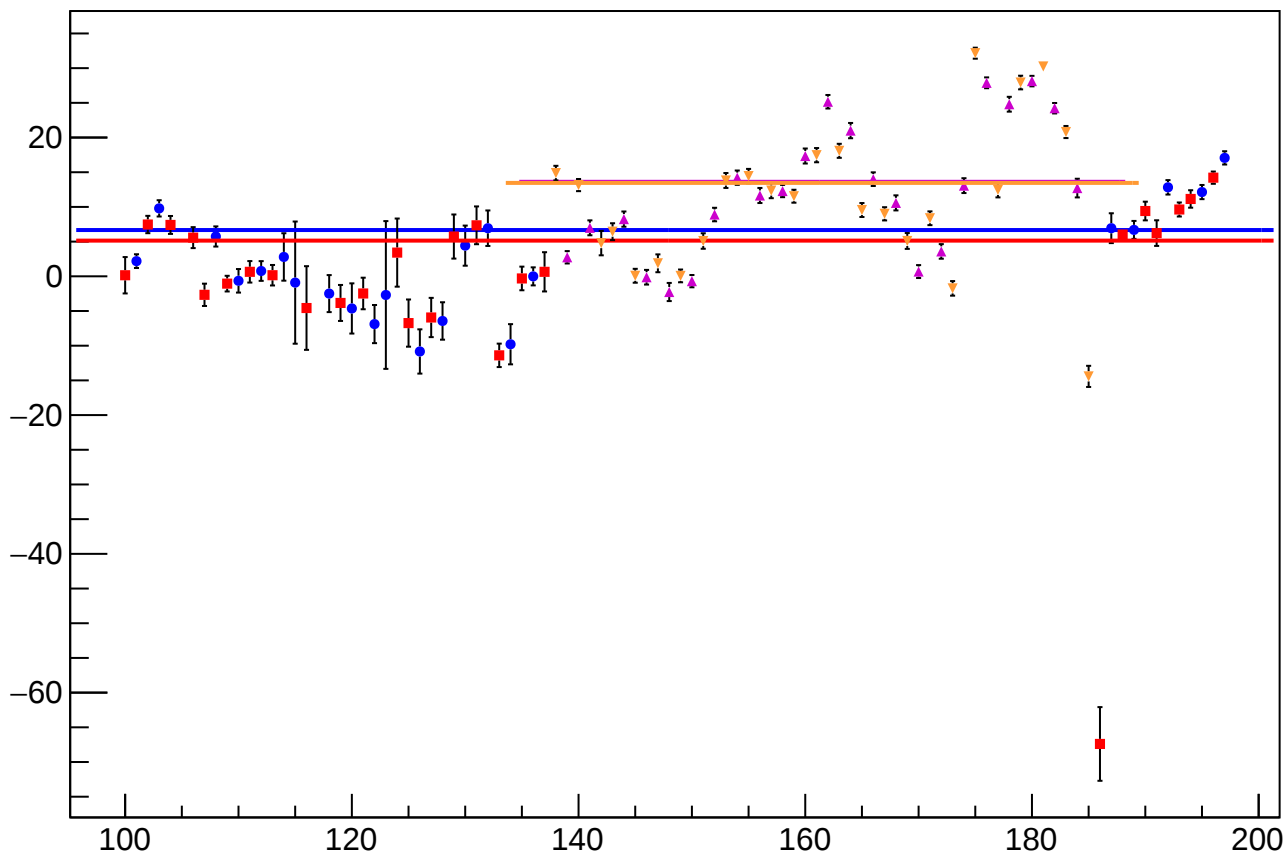
Left In: 56.635 $\pm$ 0.165 χ^2 /NDF:1607.9/22

+ sign 59.659 $\pm$ 0.133 χ^2 /NDF: 8849.5/46

All: 59.970 $\pm$ 0.094 χ^2 /NDF: 20595.9/95

- sign 60.279 $\pm$ 0.133 χ^2 /NDF: 11735.5/48

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.669 ± 0.342 χ^2/NDF : 407.2/21

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 5.144 ± 0.277 χ^2/NDF : 594.5/25

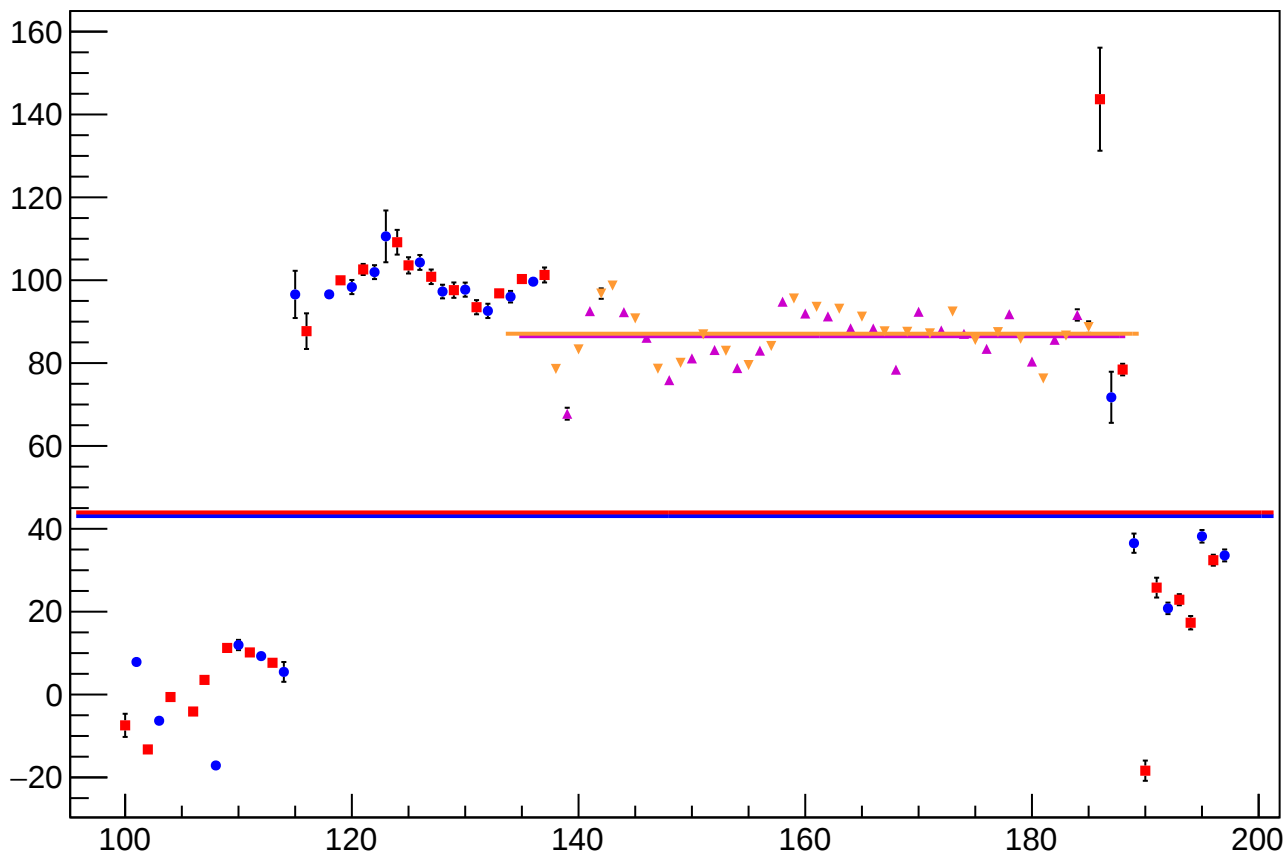
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.715 ± 0.174 χ^2/NDF : 3435.9/46

All: 11.145 ± 0.119 χ^2/NDF : 6971.9/95

- sign 10.633 ± 0.165 χ^2/NDF : 3515.5/48

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.078 $\pm$ 0.284 χ^2 /NDF: 25073.3/21

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 43.953 $\pm$ 0.265 χ^2 /NDF: 30241.0/25

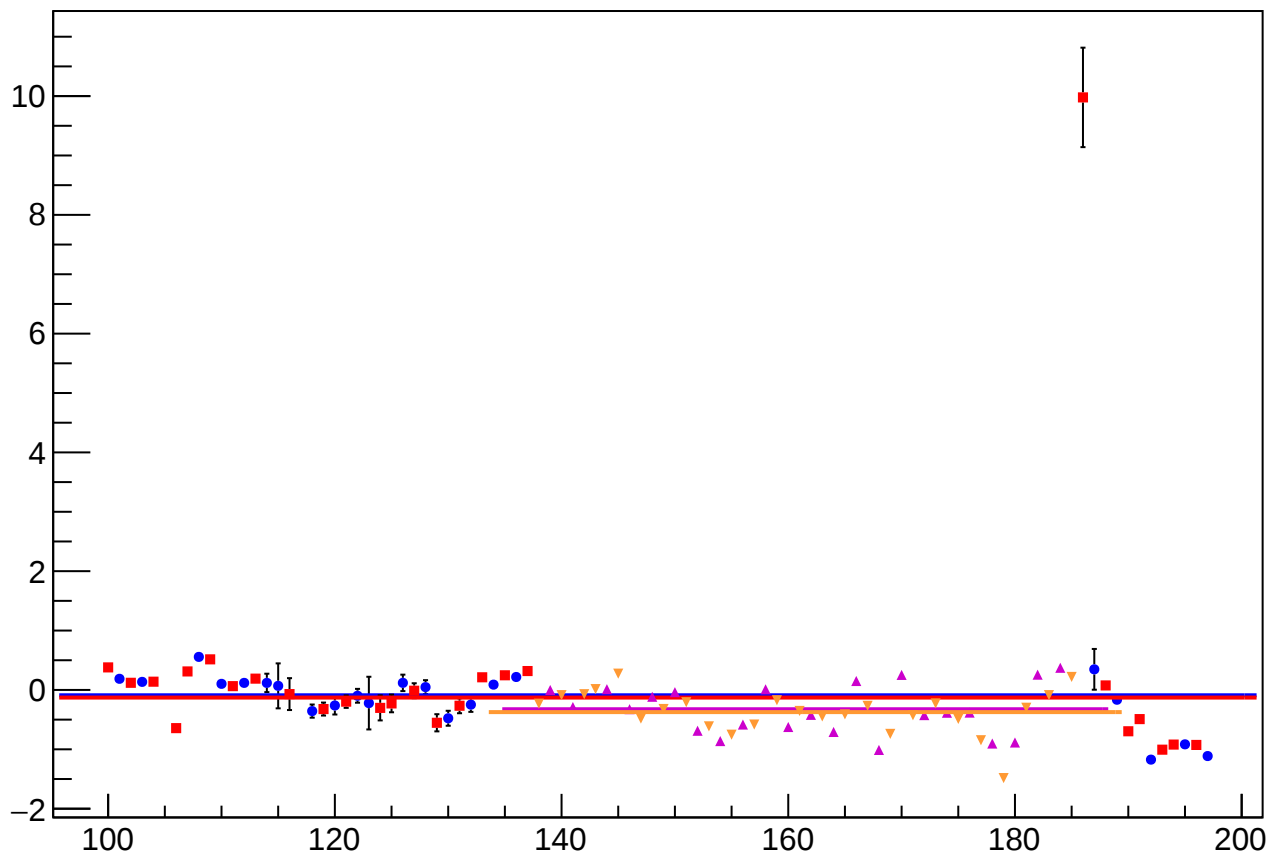
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 74.570 $\pm$ 0.151 χ^2 /NDF: 43336.0/46

All: 73.561 $\pm$ 0.107 χ^2 /NDF: 92048.9/95

- sign 72.554 $\pm$ 0.151 χ^2 /NDF: 48624.3/48

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.090 ± 0.012 χ^2/NDF : 2108.6/21

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.129 ± 0.011 χ^2/NDF : 2202.9/25

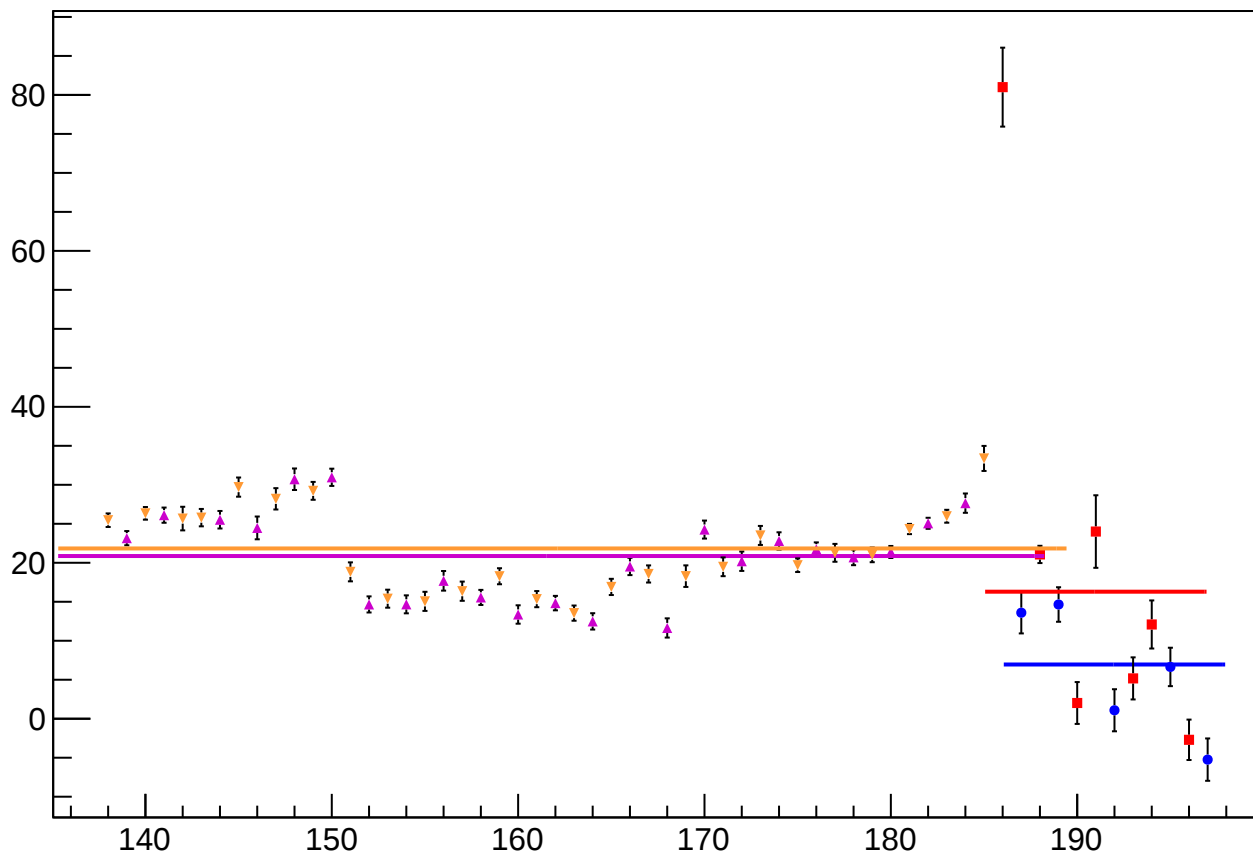
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.286 ± 0.007 χ^2/NDF : 4150.8/46

All: -0.270 ± 0.005 χ^2/NDF : 8852.4/95

- sign -0.255 ± 0.007 χ^2/NDF : 4690.9/48

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 6.955 ± 1.130 $\chi^2/\text{NDF}: 43.3/4$

Left Out: 21.836 ± 0.210 $\chi^2/\text{NDF}: 524.3/24$

Right Out: 16.292 ± 0.836 $\chi^2/\text{NDF}: 285.7/6$

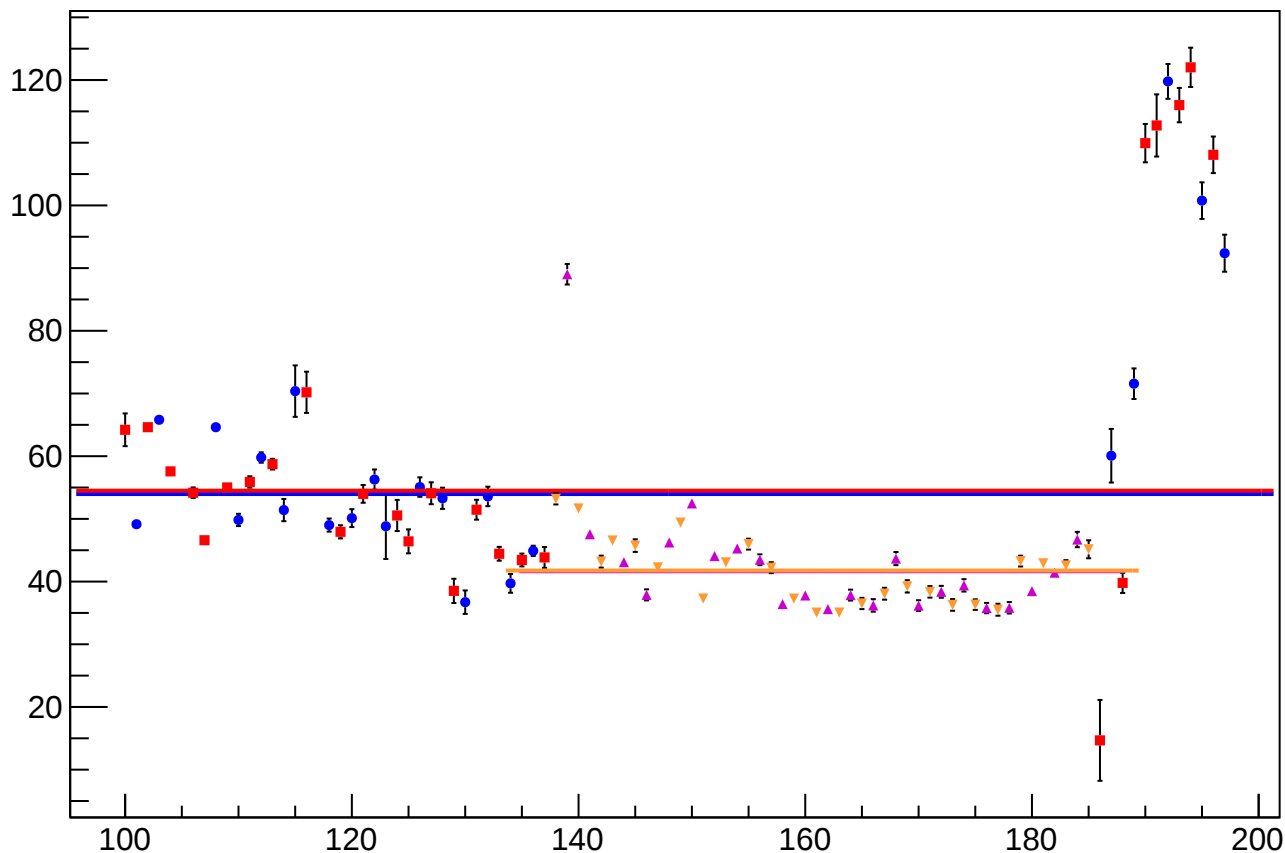
Left In: 20.866 ± 0.217 $\chi^2/\text{NDF}: 576.9/22$

+ sign 21.340 ± 0.206 $\chi^2/\text{NDF}: 735.3/29$

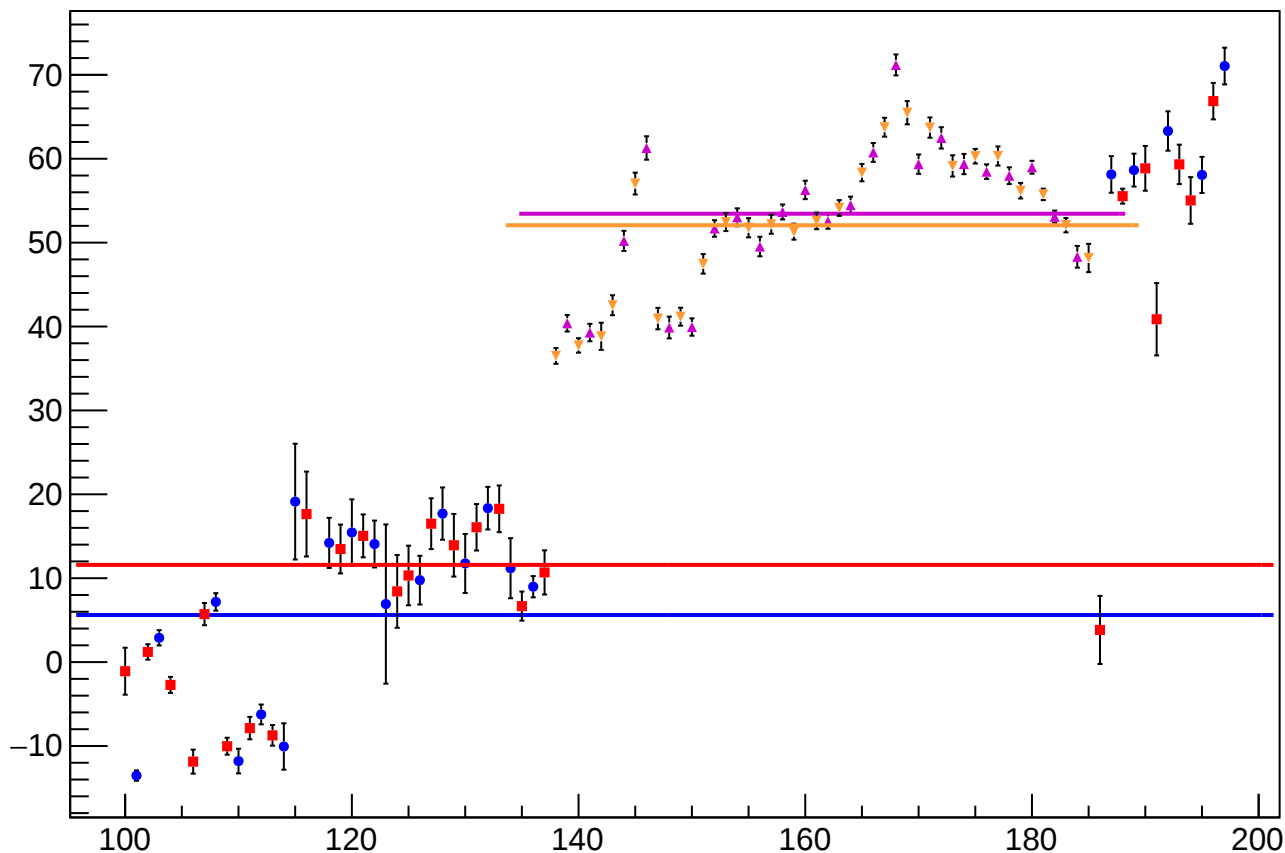
All: 20.965 ± 0.147 $\chi^2/\text{NDF}: 1632.7/59$

- sign 20.578 ± 0.210 $\chi^2/\text{NDF}: 890.6/29$

reg_asym_sam6_diff_bpm4aY_slope vs Slug



reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 5.614 ± 0.341 χ^2/NDF : 4720.1/21

Left Out: 52.076 ± 0.210 χ^2/NDF : 1450.9/24

Right Out: 11.588 ± 0.332 χ^2/NDF : 5719.8/25

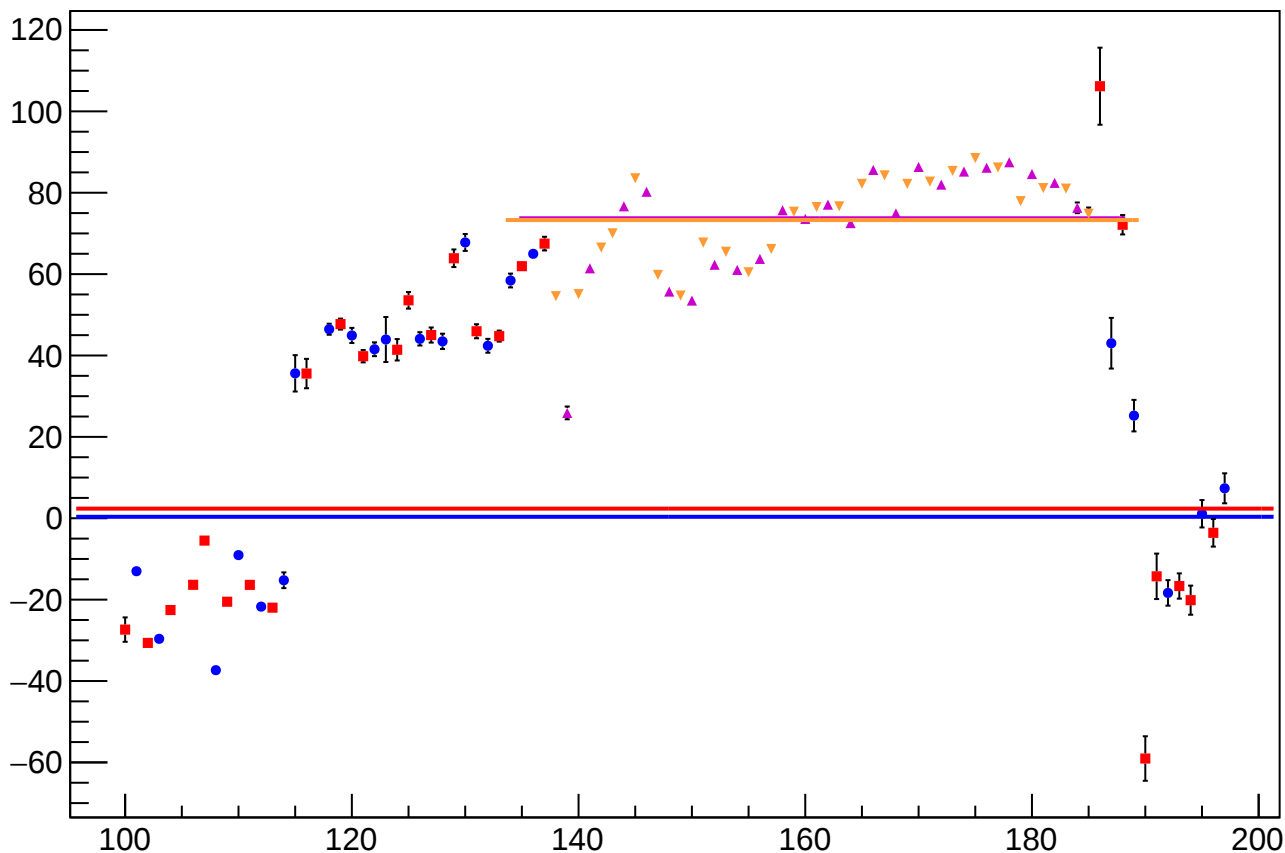
Left In: 53.447 ± 0.215 χ^2/NDF : 1169.0/22

+ sign 39.302 ± 0.179 χ^2/NDF : 19628.6/46

All: 40.173 ± 0.127 χ^2/NDF : 37743.0/95

- sign 41.063 ± 0.181 χ^2/NDF : 18066.4/48

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.363 ± 0.245 χ^2/NDF : 18347.5/21

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 2.368 ± 0.262 χ^2/NDF : 16608.5/25

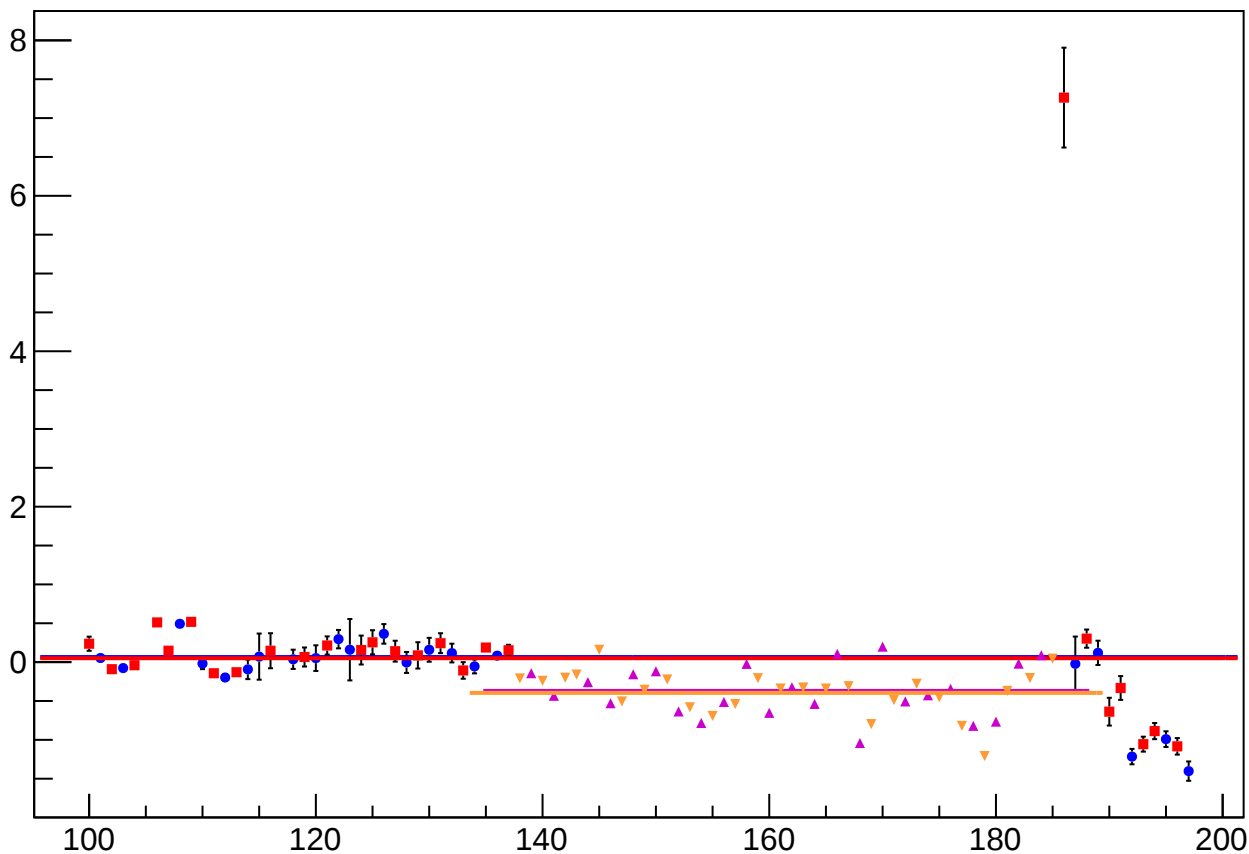
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 46.466 ± 0.149 χ^2/NDF : 77507.4/46

All: 47.385 ± 0.108 χ^2/NDF : 145838.3/95

- sign 48.398 ± 0.156 χ^2/NDF : 68250.5/48

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.065 ± 0.011 χ^2/NDF : 829.4/21

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: 0.050 ± 0.011 χ^2/NDF : 880.4/25

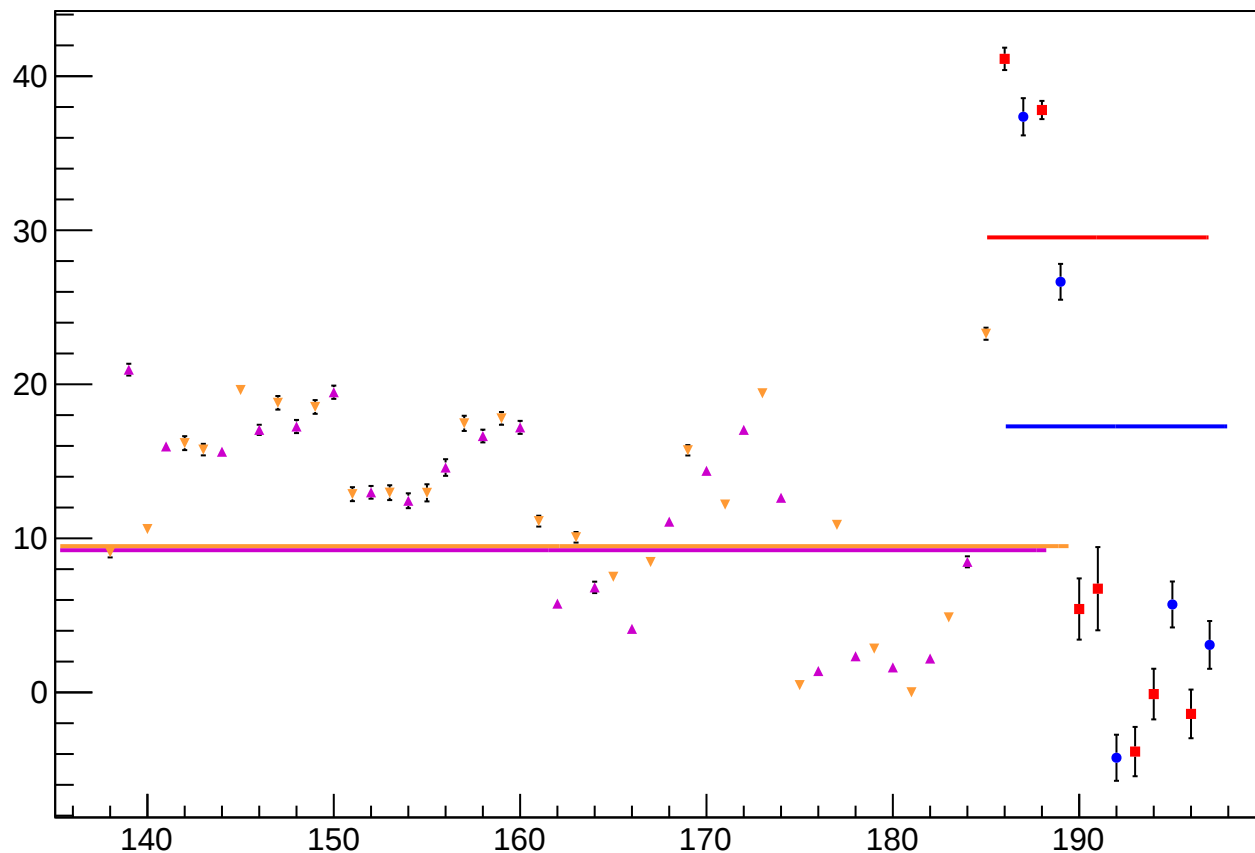
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.219 ± 0.007 χ^2/NDF : 2892.6/46

All: -0.211 ± 0.005 χ^2/NDF : 6017.2/95

- sign -0.204 ± 0.007 χ^2/NDF : 3122.0/48

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 17.268 ± 0.605 $\chi^2/\text{NDF}: 692.4/4$

Left Out: 9.495 ± 0.061 $\chi^2/\text{NDF}: 12609.1/24$

Right Out: 29.536 ± 0.398 $\chi^2/\text{NDF}: 1812.3/6$

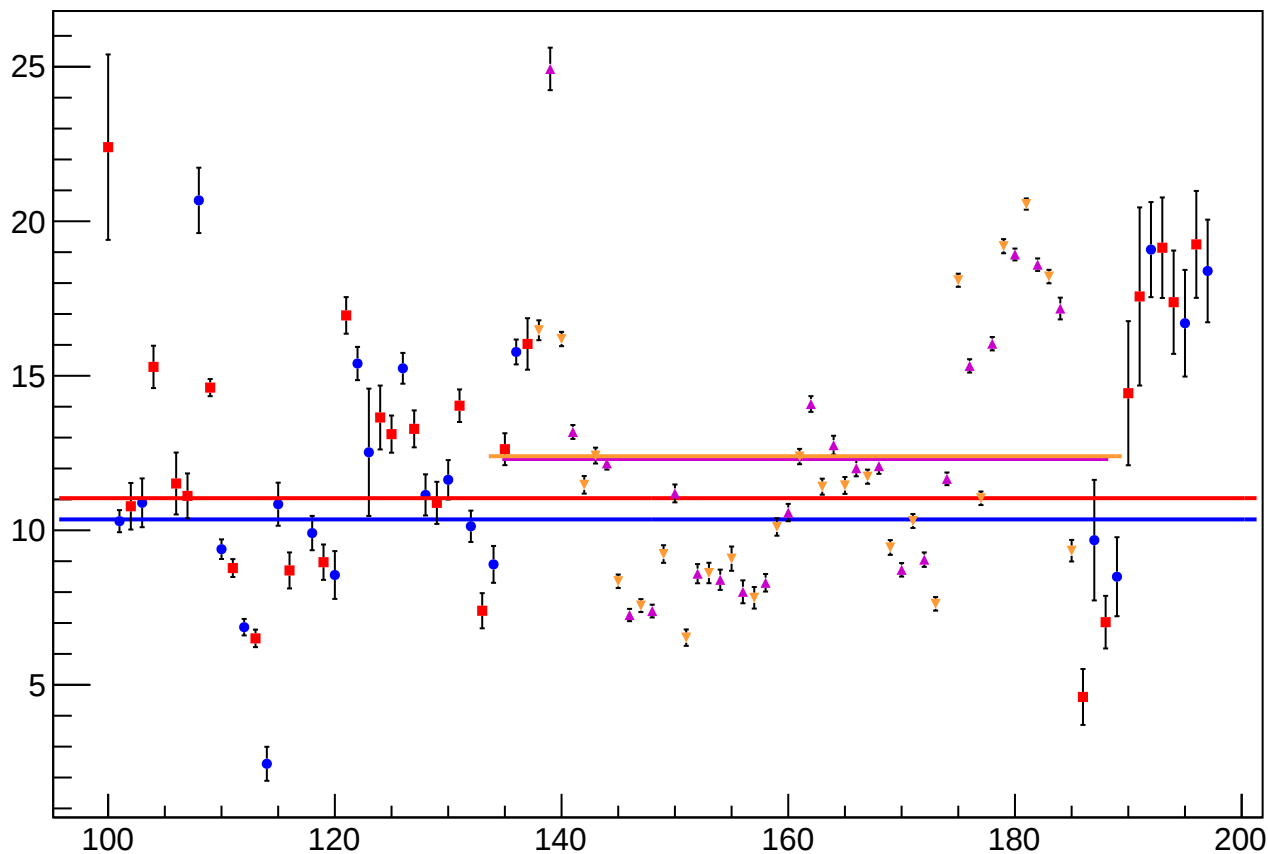
Left In: 9.231 ± 0.063 $\chi^2/\text{NDF}: 10736.2/22$

+ sign 9.574 ± 0.061 $\chi^2/\text{NDF}: 13465.2/29$

All: 9.649 ± 0.044 $\chi^2/\text{NDF}: 28554.0/59$

- sign 9.727 ± 0.062 $\chi^2/\text{NDF}: 15085.7/29$

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.353 ± 0.118 $\chi^2/\text{NDF}: 938.3/21$

Left Out: 12.397 ± 0.050 $\chi^2/\text{NDF}: 7542.8/24$

Right Out: 11.040 ± 0.113 $\chi^2/\text{NDF}: 958.6/25$

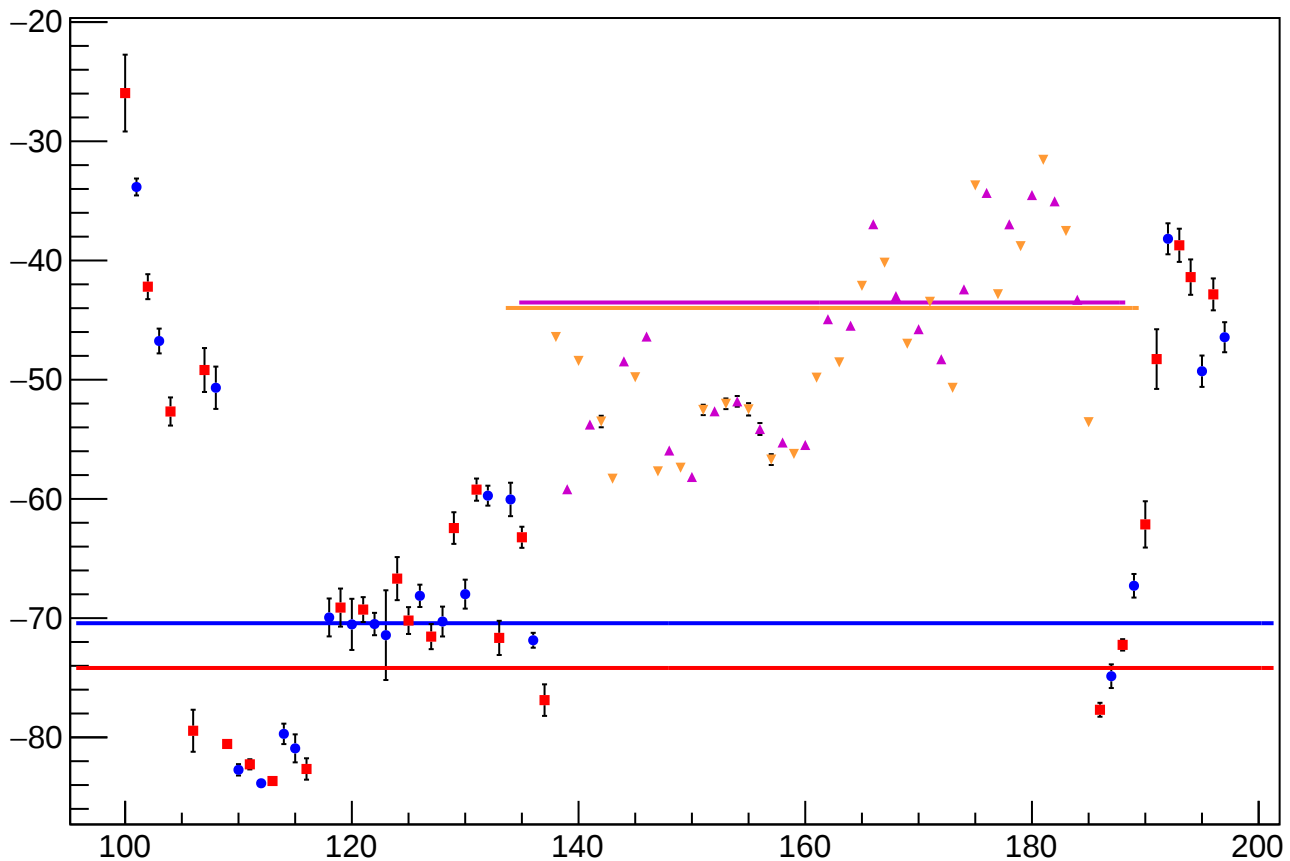
Left In: 12.307 ± 0.051 $\chi^2/\text{NDF}: 5601.8/22$

+ sign 12.089 ± 0.046 $\chi^2/\text{NDF}: 8736.2/46$

All: 12.091 ± 0.033 $\chi^2/\text{NDF}: 15400.2/95$

- sign 12.092 ± 0.047 $\chi^2/\text{NDF}: 6664.0/48$

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -70.425 ± 0.185 χ^2/NDF : 6908.3/21

Left Out: -43.982 ± 0.062 χ^2/NDF : 17736.8/24

Right Out: -74.180 ± 0.159 χ^2/NDF : 5445.6/25

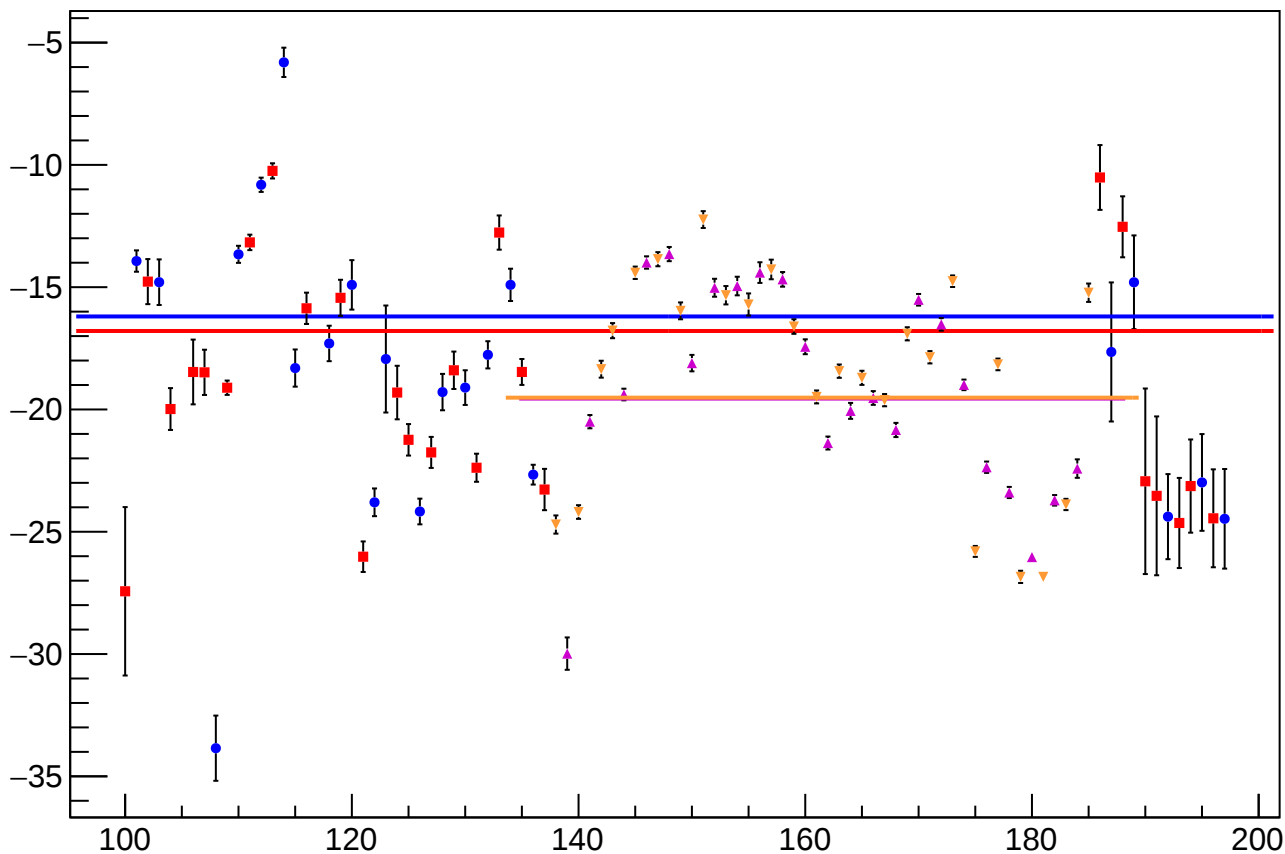
Left In: -43.523 ± 0.063 χ^2/NDF : 15267.1/22

+ sign -46.648 ± 0.059 χ^2/NDF : 43022.8/46

All: -47.191 ± 0.042 χ^2/NDF : 96122.0/95

- sign -47.736 ± 0.059 χ^2/NDF : 52927.7/48

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.197 ± 0.131 $\chi^2/\text{NDF}: 1672.6/21$

Left Out: -19.517 ± 0.056 $\chi^2/\text{NDF}: 6518.3/24$

Right Out: -16.791 ± 0.126 $\chi^2/\text{NDF}: 1296.1/25$

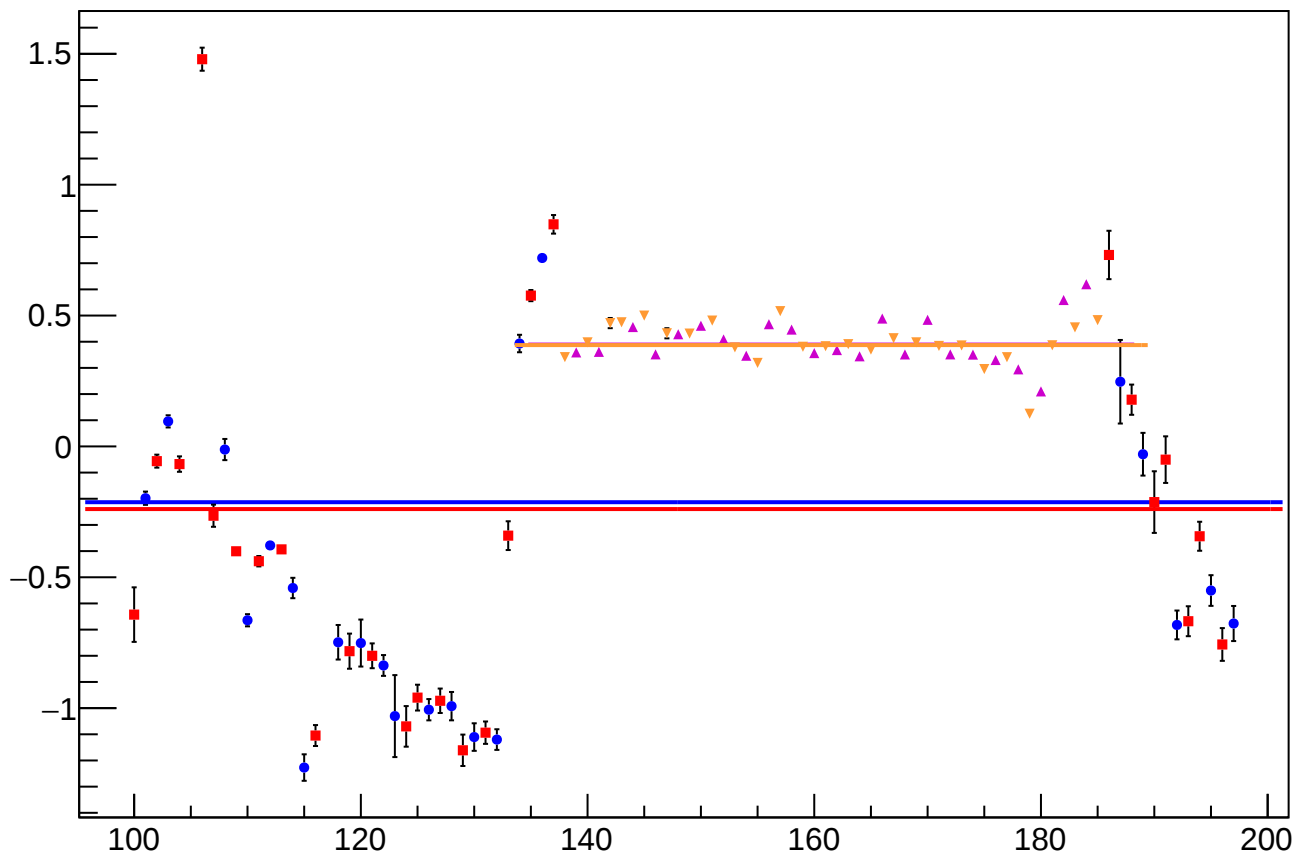
Left In: -19.555 ± 0.057 $\chi^2/\text{NDF}: 4311.2/22$

+ sign -19.011 ± 0.051 $\chi^2/\text{NDF}: 8731.8/46$

All: -19.045 ± 0.037 $\chi^2/\text{NDF}: 14738.1/95$

- sign -19.081 ± 0.052 $\chi^2/\text{NDF}: 6005.4/48$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.213 ± 0.007 χ^2/NDF : 6488.9/21

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.239 ± 0.007 χ^2/NDF : 6472.0/25

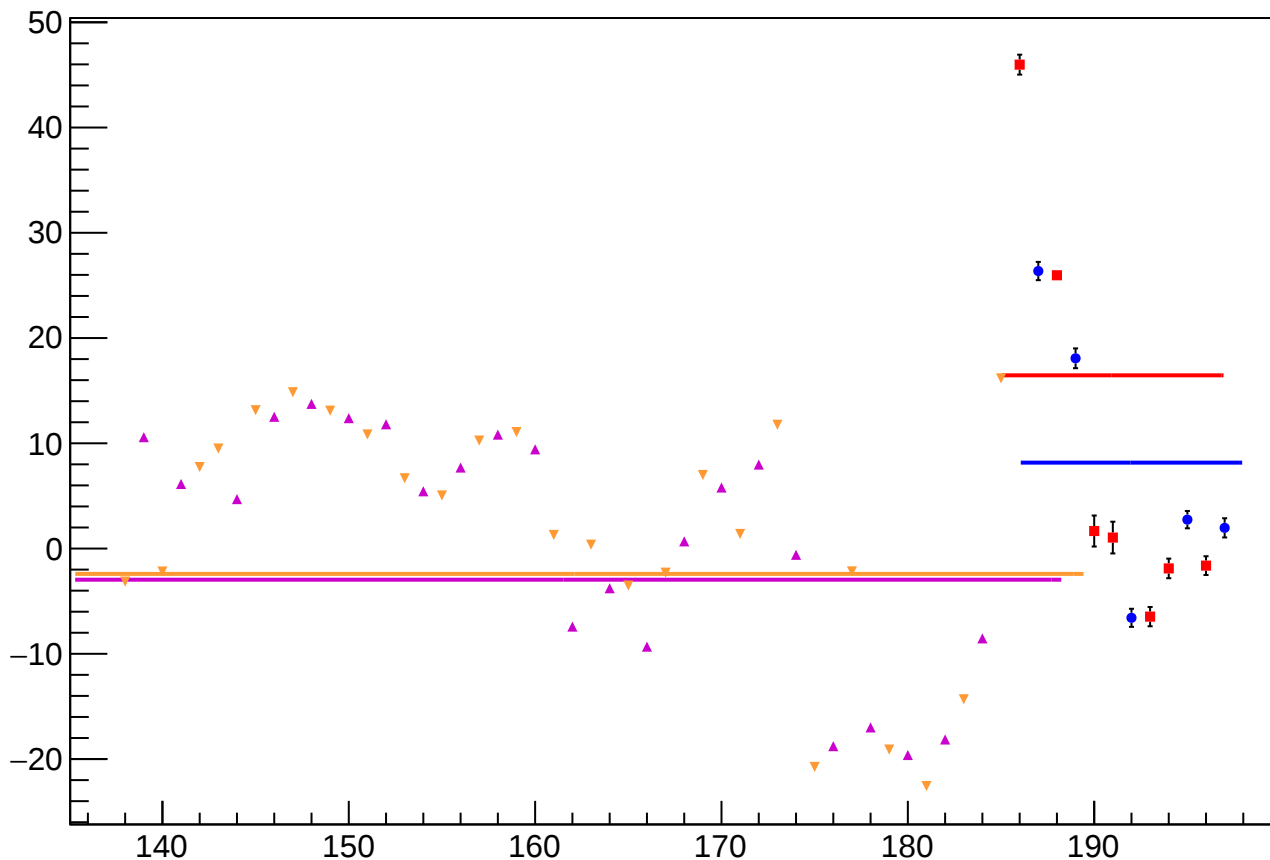
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.322 ± 0.002 χ^2/NDF : 13442.4/46

All: 0.316 ± 0.002 χ^2/NDF : 28396.8/95

- sign 0.310 ± 0.002 χ^2/NDF : 14942.8/48

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 8.163 ± 0.393 $\chi^2/\text{NDF}: 934.9/4$

Left Out: -2.407 ± 0.053 $\chi^2/\text{NDF}: 56368.5/24$

Right Out: 16.458 ± 0.300 $\chi^2/\text{NDF}: 3096.1/6$

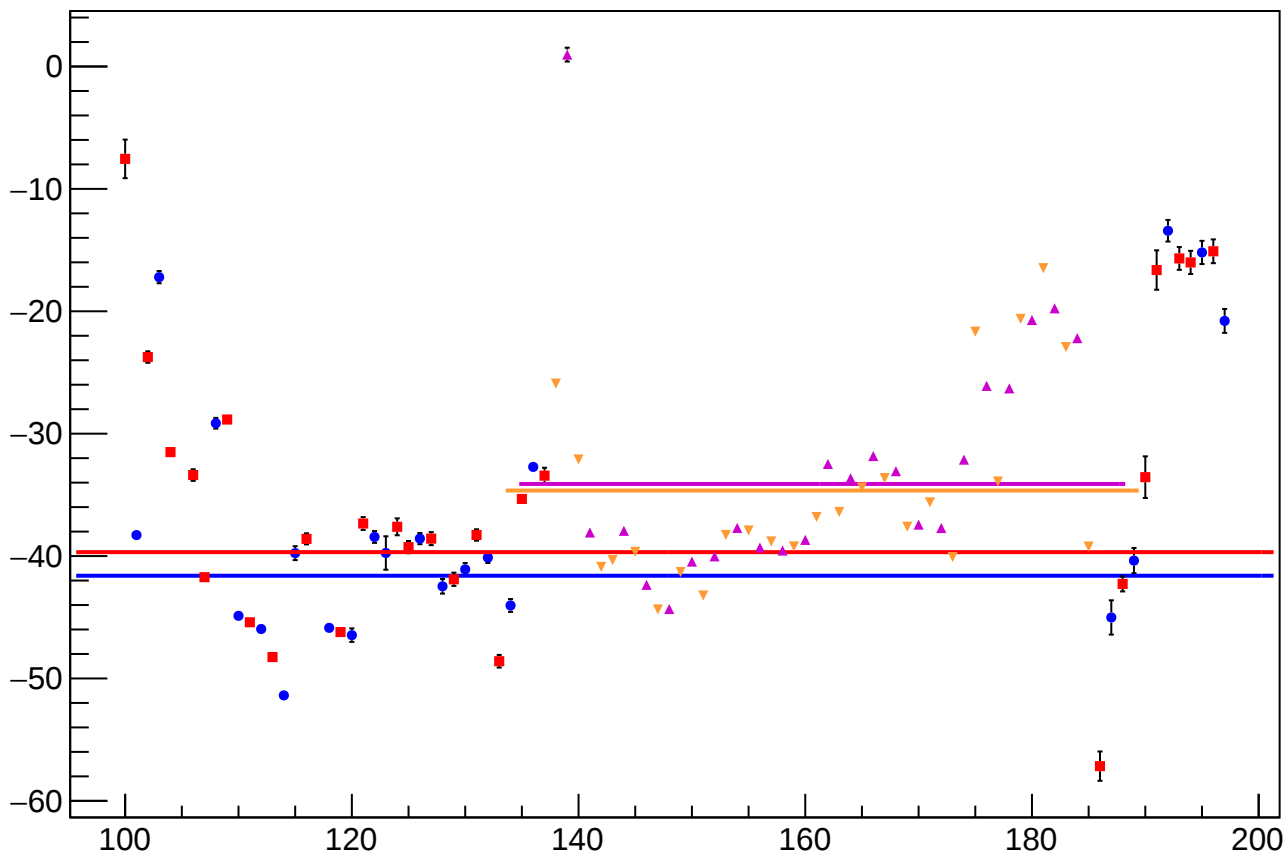
Left In: -2.959 ± 0.055 $\chi^2/\text{NDF}: 45922.6/22$

+ sign -2.219 ± 0.052 $\chi^2/\text{NDF}: 58015.0/29$

All: -2.274 ± 0.038 $\chi^2/\text{NDF}: 111080.9/59$

- sign -2.332 ± 0.054 $\chi^2/\text{NDF}: 53063.6/29$

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -41.606 ± 0.077 $\chi^2/\text{NDF}: 8855.5/21$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -39.680 ± 0.071 $\chi^2/\text{NDF}: 13725.3/25$

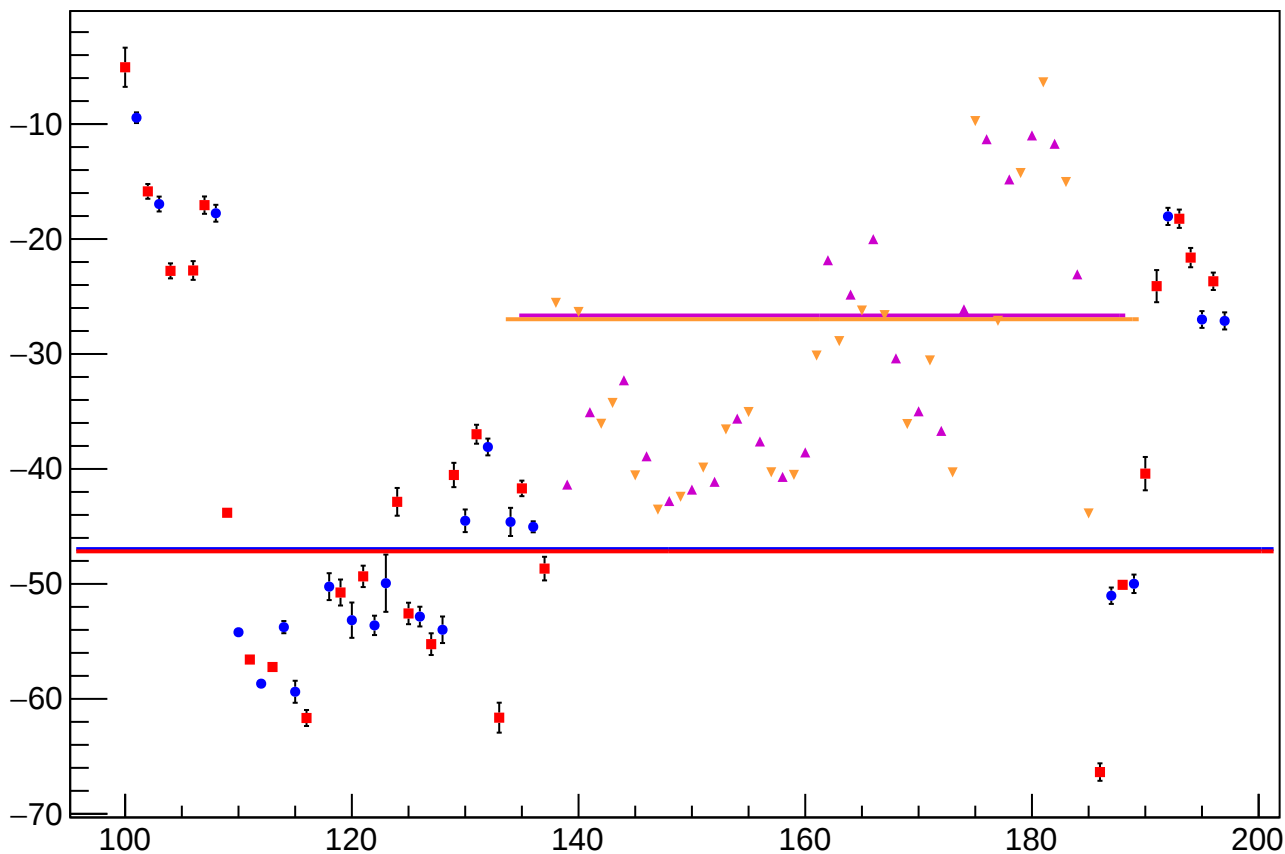
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -36.228 ± 0.037 $\chi^2/\text{NDF}: 49838.9/46$

All: -35.939 ± 0.026 $\chi^2/\text{NDF}: 97156.1/95$

- sign -35.639 ± 0.037 $\chi^2/\text{NDF}: 47191.1/48$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -46.973 ± 0.117 $\chi^2/\text{NDF}: 17868.8/21$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -47.166 ± 0.099 $\chi^2/\text{NDF}: 16018.5/25$

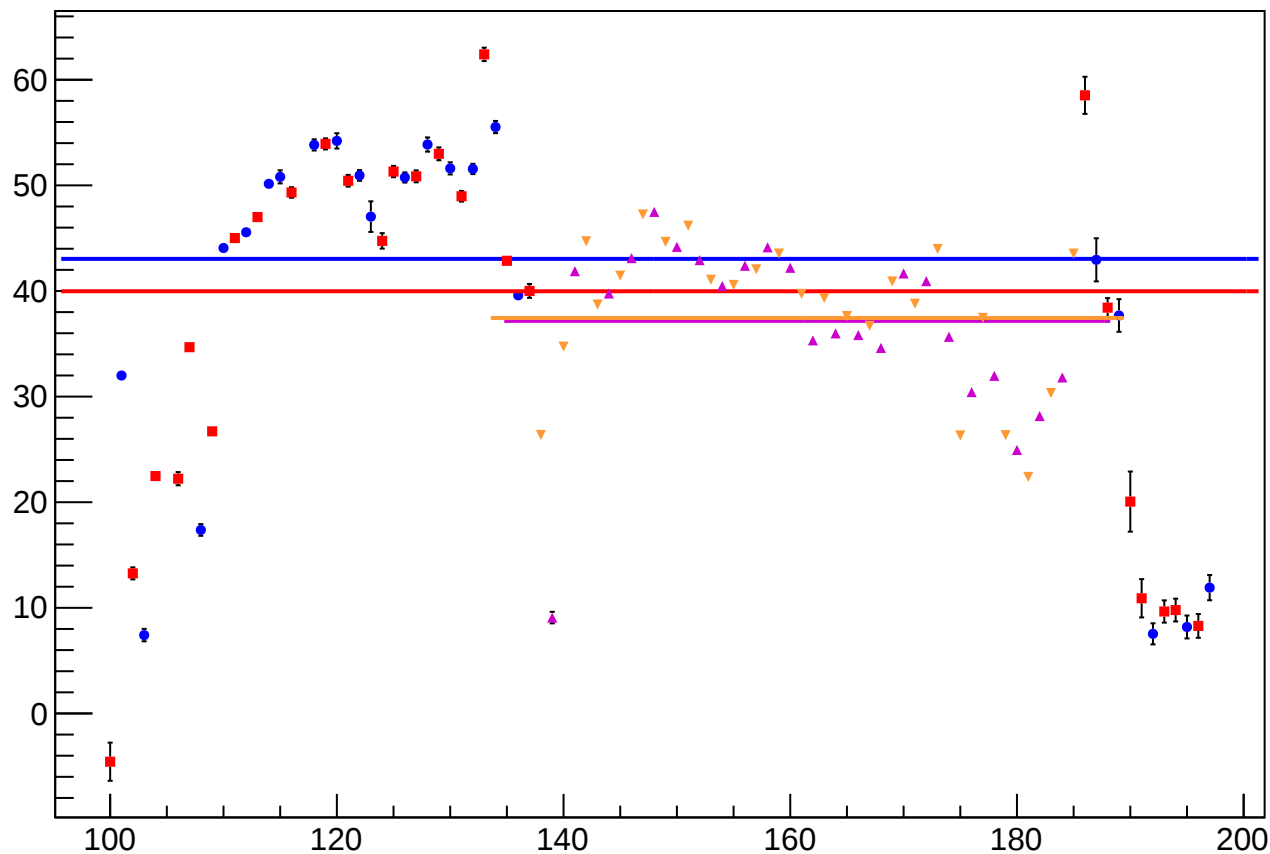
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.407 ± 0.048 $\chi^2/\text{NDF}: 91468.5/46$

All: -30.962 ± 0.034 $\chi^2/\text{NDF}: 182845.7/95$

- sign -31.508 ± 0.048 $\chi^2/\text{NDF}: 91116.6/48$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.040 $\pm$ 0.086 χ^2 /NDF: 13611.0/21

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 39.975 $\pm$ 0.079 χ^2 /NDF: 20447.7/25

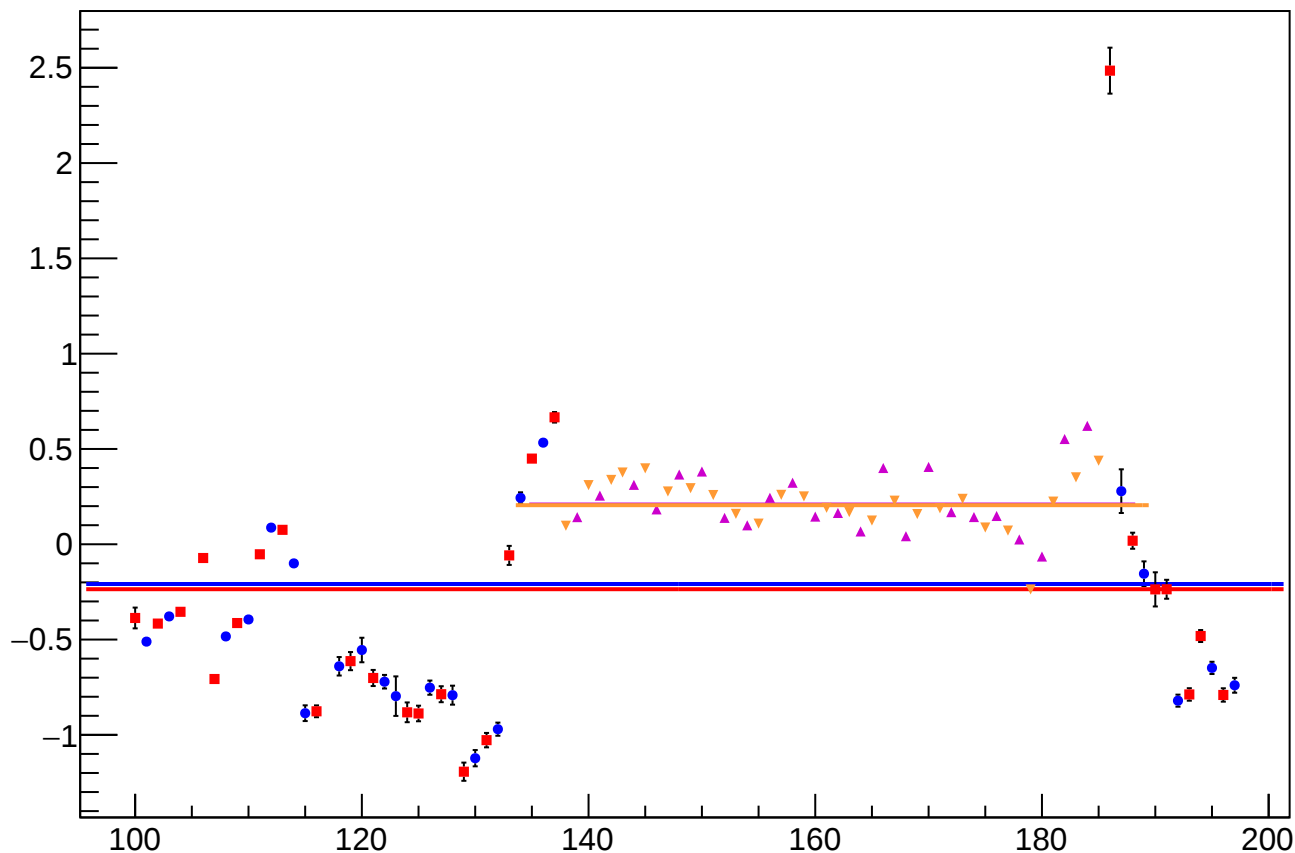
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.740 $\pm$ 0.041 χ^2 /NDF: 38434.3/46

All: 38.351 $\pm$ 0.029 χ^2 /NDF: 77204.4/95

- sign 37.953 $\pm$ 0.042 χ^2 /NDF: 38591.3/48

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.209 ± 0.005 χ^2/NDF : 8162.5/21

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.236 ± 0.004 χ^2/NDF : 8572.7/25

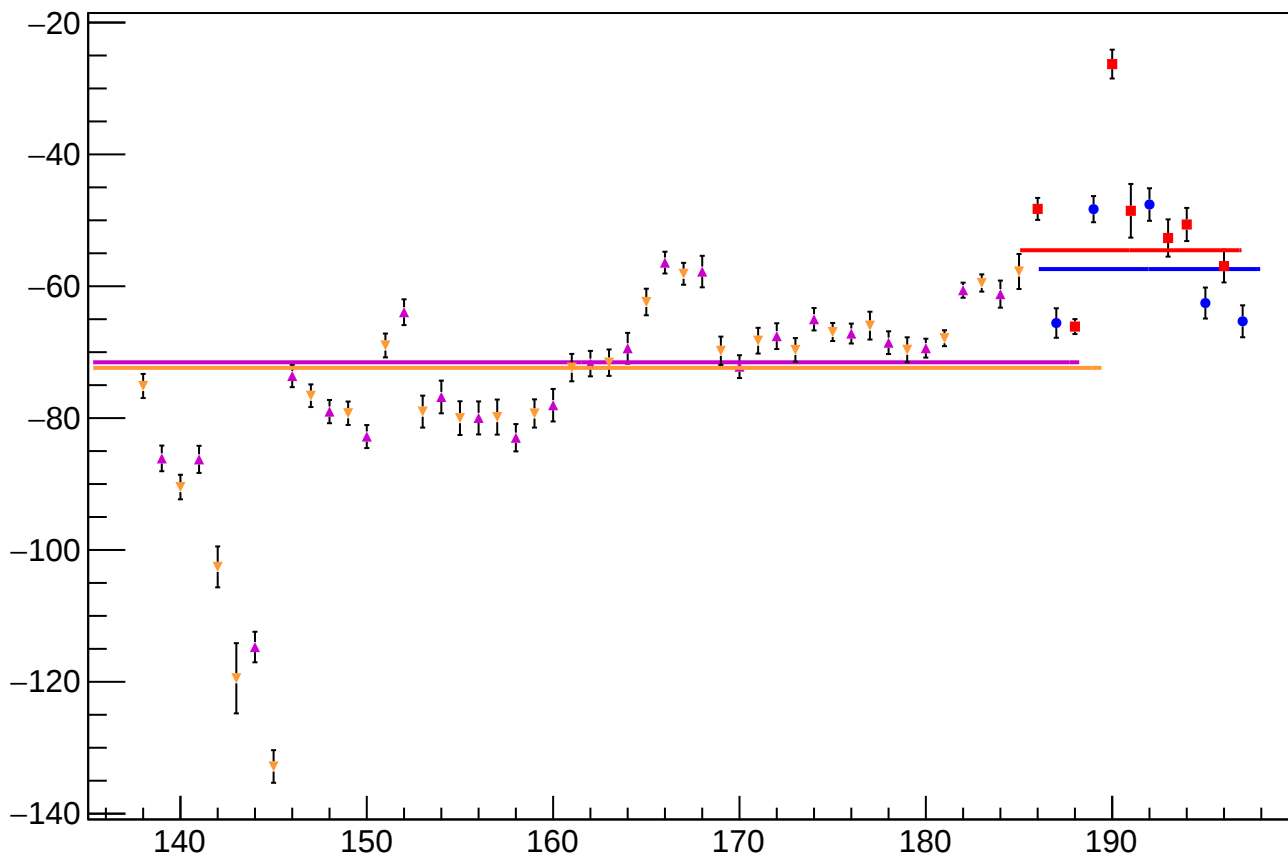
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.132 ± 0.002 χ^2/NDF : 18394.0/46

All: 0.120 ± 0.001 χ^2/NDF : 40977.5/95

- sign 0.108 ± 0.002 χ^2/NDF : 22510.8/48

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -57.395 ± 1.016 χ^2/NDF : 65.6/4

Left Out: -72.381 ± 0.382 χ^2/NDF : 1199.9/24

Right Out: -54.540 ± 0.735 χ^2/NDF : 291.1/6

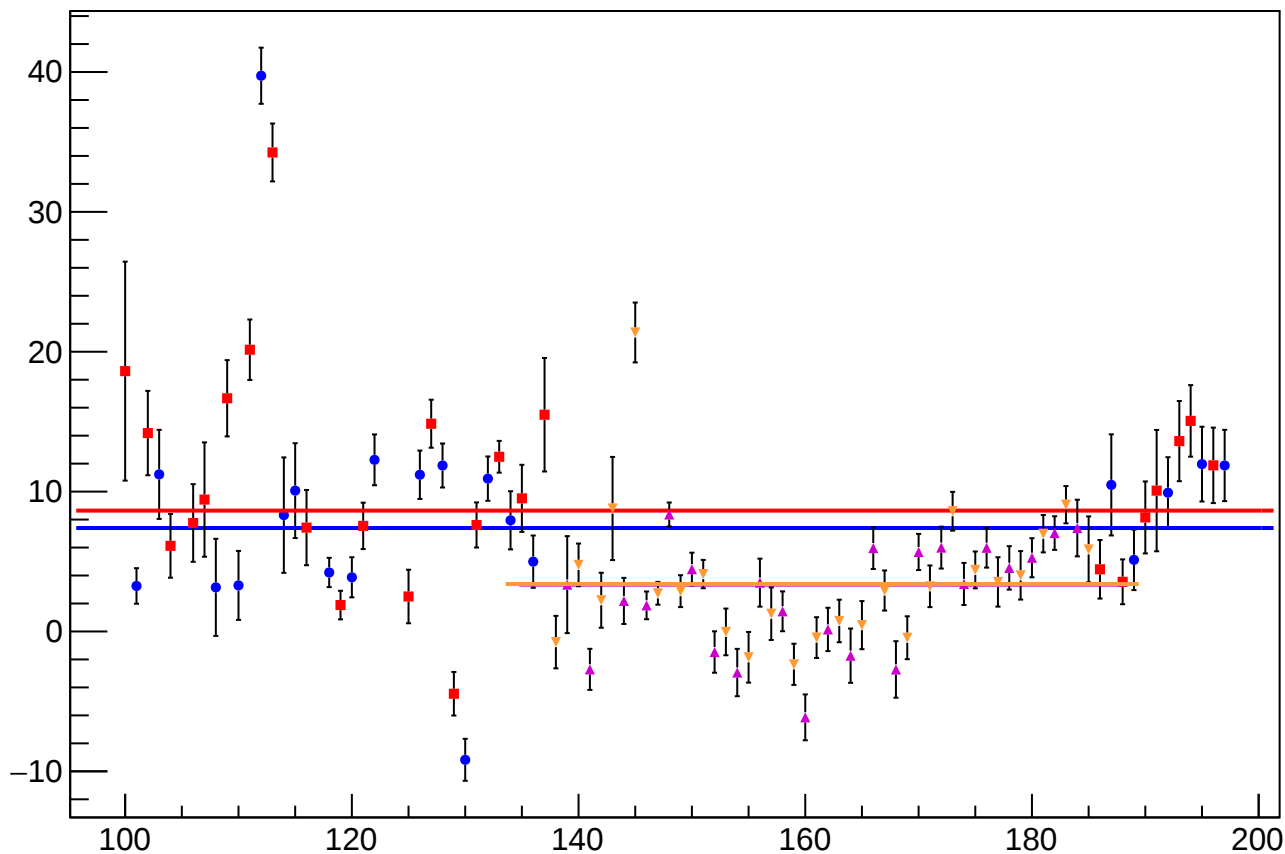
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -70.526 ± 0.357 χ^2/NDF : 1456.1/29

All: -69.154 ± 0.246 χ^2/NDF : 3048.0/59

- sign -67.922 ± 0.339 χ^2/NDF : 1563.9/29

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.396 ± 0.412 $\chi^2/\text{NDF}: 449.7/20$

Left Out: 3.392 ± 0.294 $\chi^2/\text{NDF}: 169.9/24$

Right Out: 8.642 ± 0.402 $\chi^2/\text{NDF}: 374.8/24$

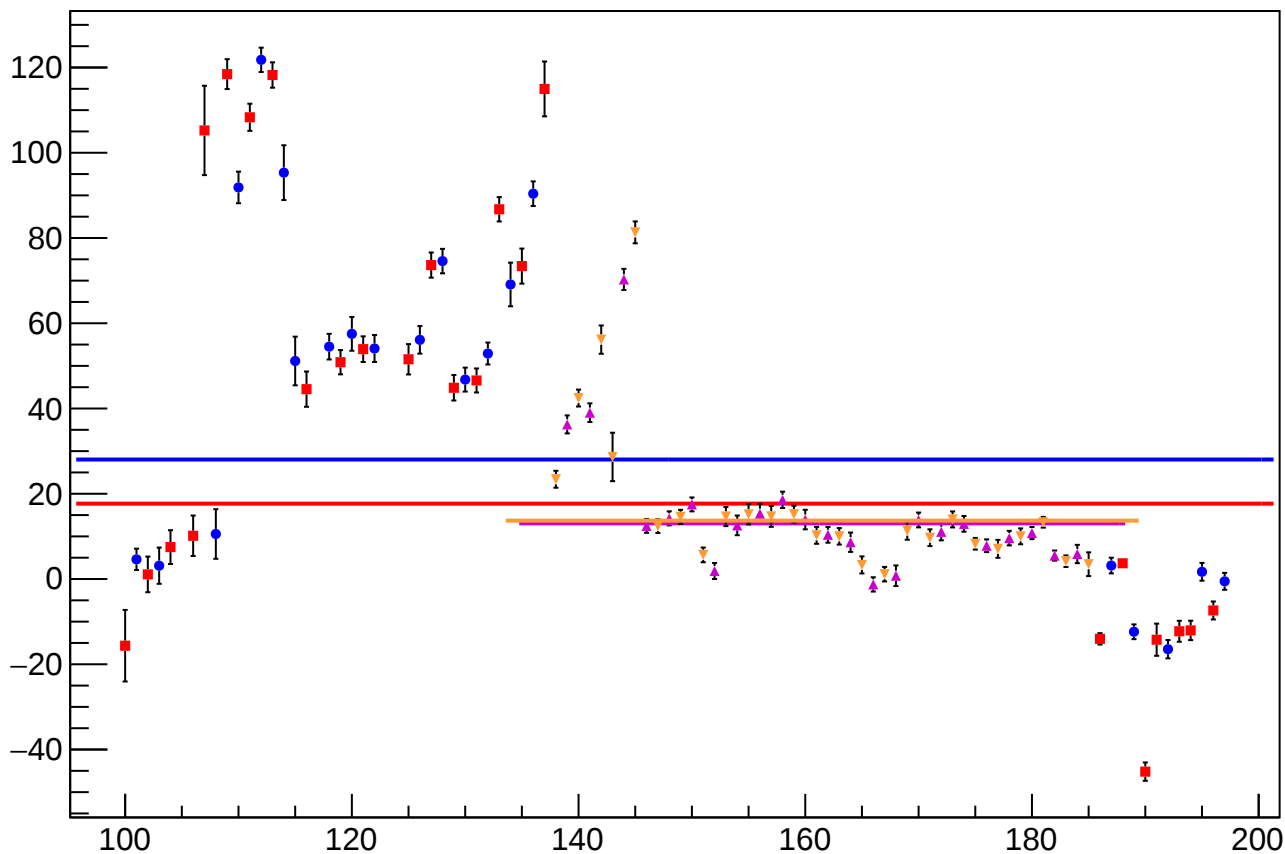
Left In: 3.349 ± 0.298 $\chi^2/\text{NDF}: 163.5/22$

+ sign 4.743 ± 0.239 $\chi^2/\text{NDF}: 682.2/45$

All: 4.987 ± 0.169 $\chi^2/\text{NDF}: 1334.6/93$

- sign 5.231 ± 0.239 $\chi^2/\text{NDF}: 650.3/47$

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 28.035 $\pm$ 0.603 χ^2 /NDF: 4363.5/20

Left Out: 13.700 $\pm$ 0.381 χ^2 /NDF:1307.0/24

Right Out: 17.684 $\pm$ 0.499 χ^2 /NDF: 7026.1/24

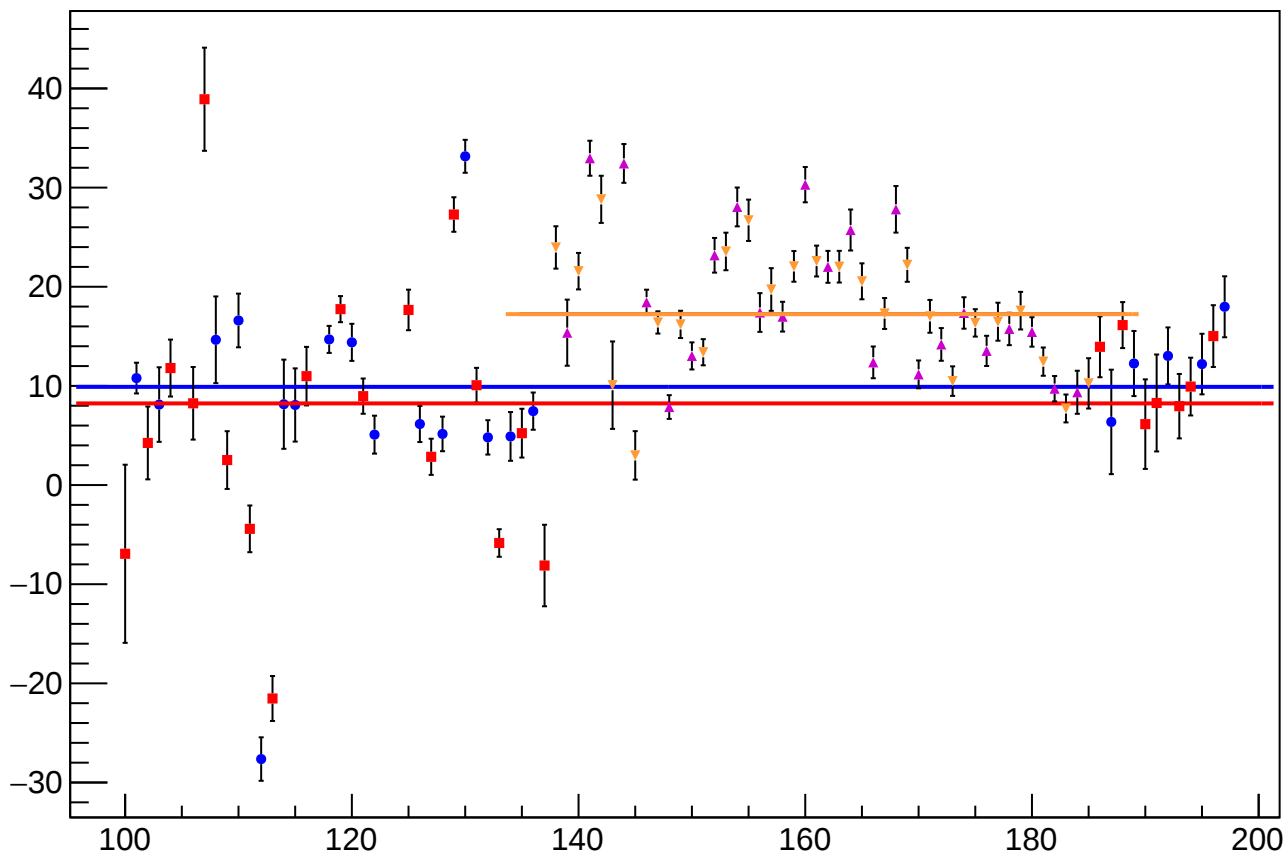
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 17.790 $\pm$ 0.322 χ^2 /NDF: 6074.6/45

All: 16.176 $\pm$ 0.220 χ^2 /NDF: 14227.1/93

- sign 14.756 $\pm$ 0.302 χ^2 /NDF: 8105.3/47

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.904 ± 0.480 $\chi^2/\text{NDF}: 557.5/20$

Left Out: 17.238 ± 0.336 $\chi^2/\text{NDF}: 246.5/24$

Right Out: 8.235 ± 0.474 $\chi^2/\text{NDF}: 589.4/24$

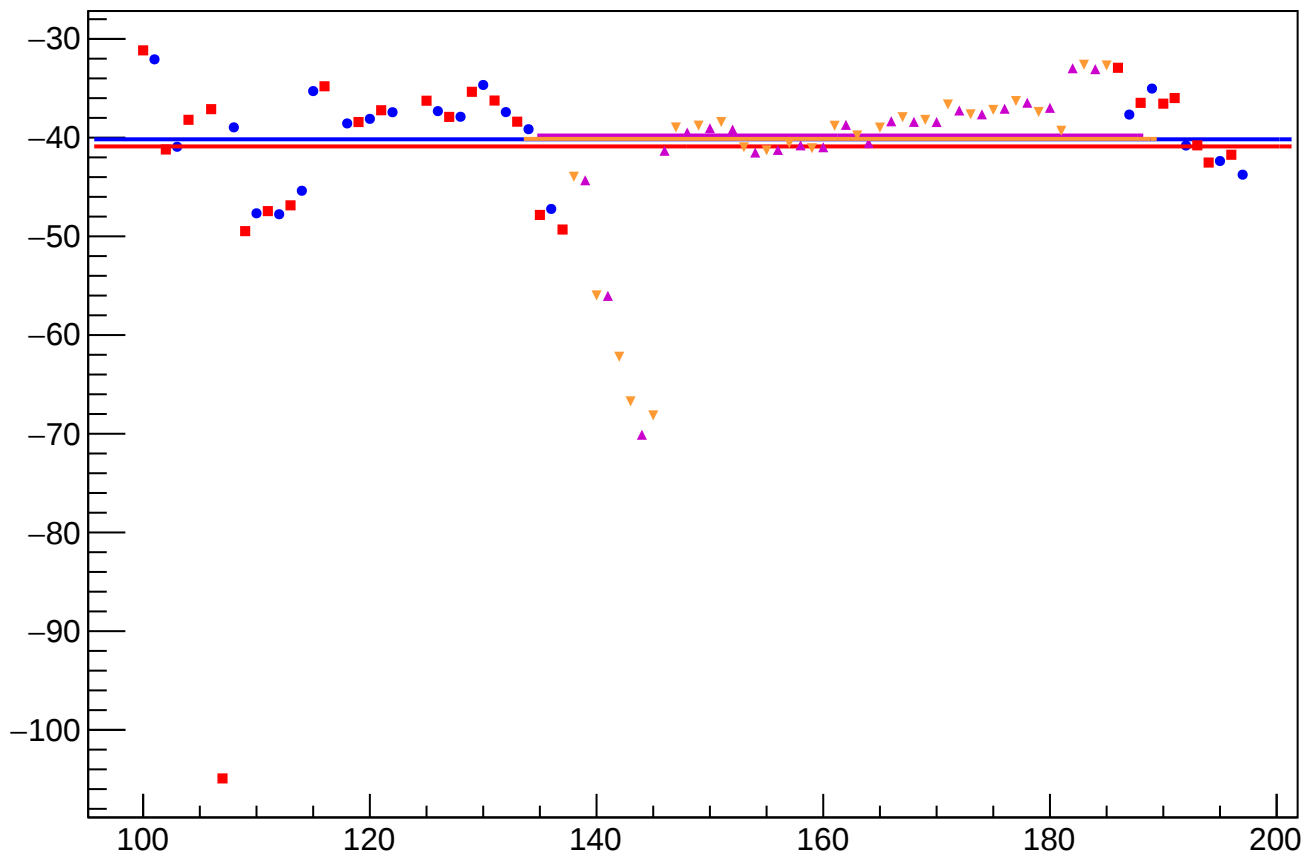
Left In: 17.245 ± 0.339 $\chi^2/\text{NDF}: 440.8/22$

+ sign 14.824 ± 0.275 $\chi^2/\text{NDF}: 960.7/45$

All: 14.507 ± 0.195 $\chi^2/\text{NDF}: 2232.6/93$

- sign 14.189 ± 0.276 $\chi^2/\text{NDF}: 1269.2/47$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.170 ± 0.026 χ^2/NDF : 29794.0/20

Left Out: -40.126 ± 0.016 χ^2/NDF : 185897.0/24

Right Out: -40.891 ± 0.025 χ^2/NDF : 100928.5/24

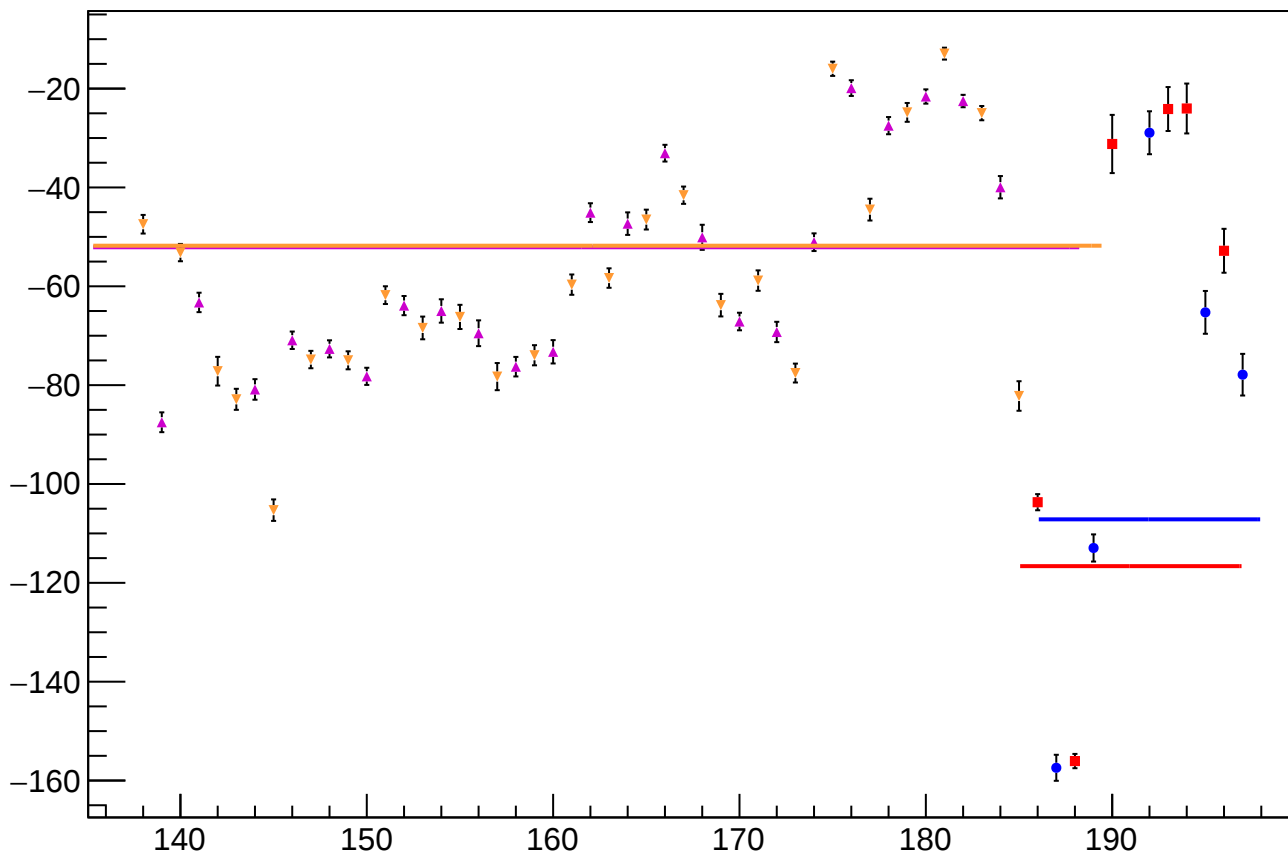
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -40.137 ± 0.013 χ^2/NDF : 215693.1/45

All: -40.116 ± 0.009 χ^2/NDF : 462521.6/93

- sign -40.095 ± 0.013 χ^2/NDF : 246823.4/47

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -107.155 ± 1.509 χ^2/NDF : 835.1/4

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -116.622 ± 0.988 χ^2/NDF : 1993.2/5

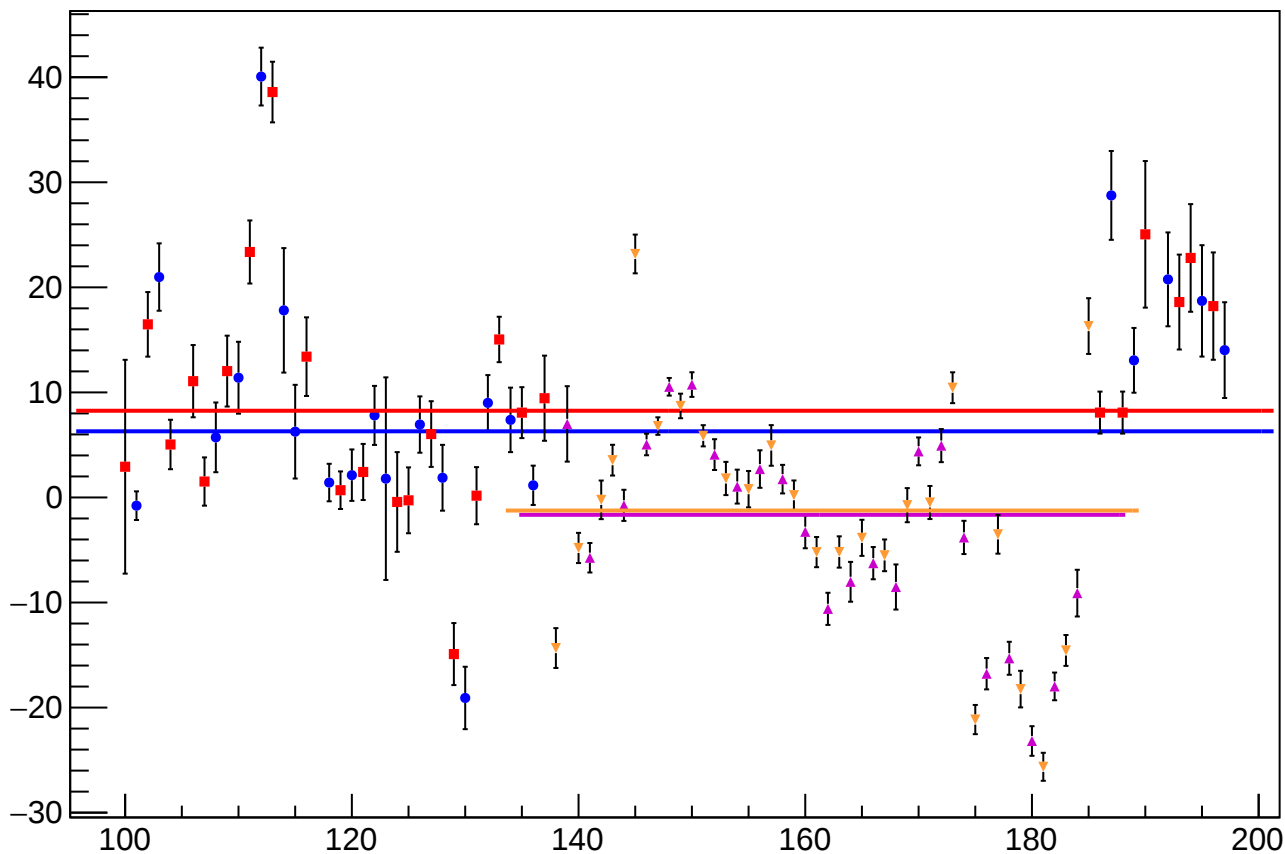
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -55.132 ± 0.371 χ^2/NDF : 6265.1/29

All: -58.008 ± 0.259 χ^2/NDF : 15345.7/58

- sign -60.743 ± 0.362 χ^2/NDF : 8963.3/28

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 6.297 ± 0.595 $\chi^2/\text{NDF}: 351.0/21$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 8.254 ± 0.577 $\chi^2/\text{NDF}: 294.7/24$

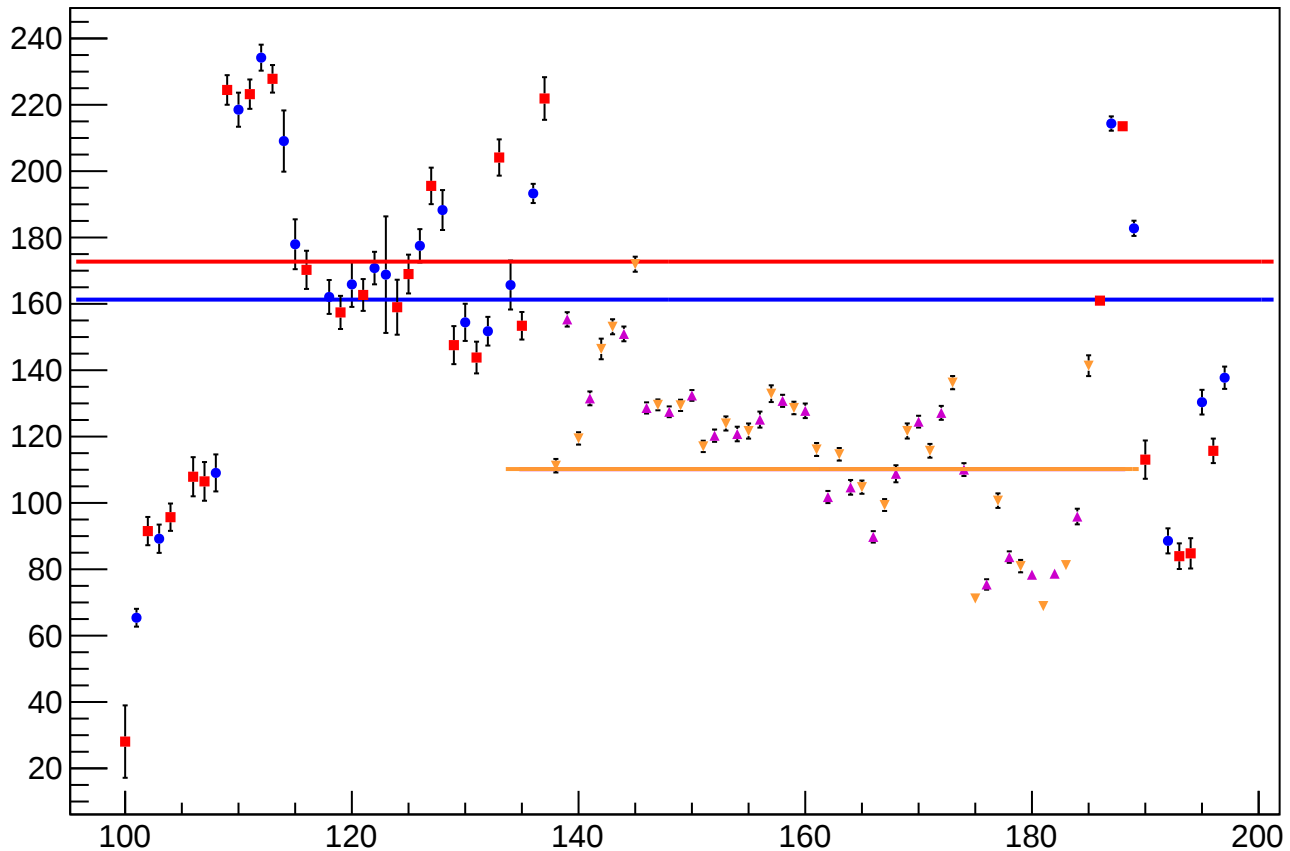
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 0.217 ± 0.262 $\chi^2/\text{NDF}: 1803.2/46$

All: 0.336 ± 0.187 $\chi^2/\text{NDF}: 3422.4/94$

- sign 0.459 ± 0.266 $\chi^2/\text{NDF}: 1618.8/47$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 161.282 ± 0.849 $\chi^2/\text{NDF}: 3493.9/21$

Left Out: 110.213 ± 0.382 $\chi^2/\text{NDF}: 4593.7/24$

Right Out: 172.734 ± 0.664 $\chi^2/\text{NDF}: 4342.1/24$

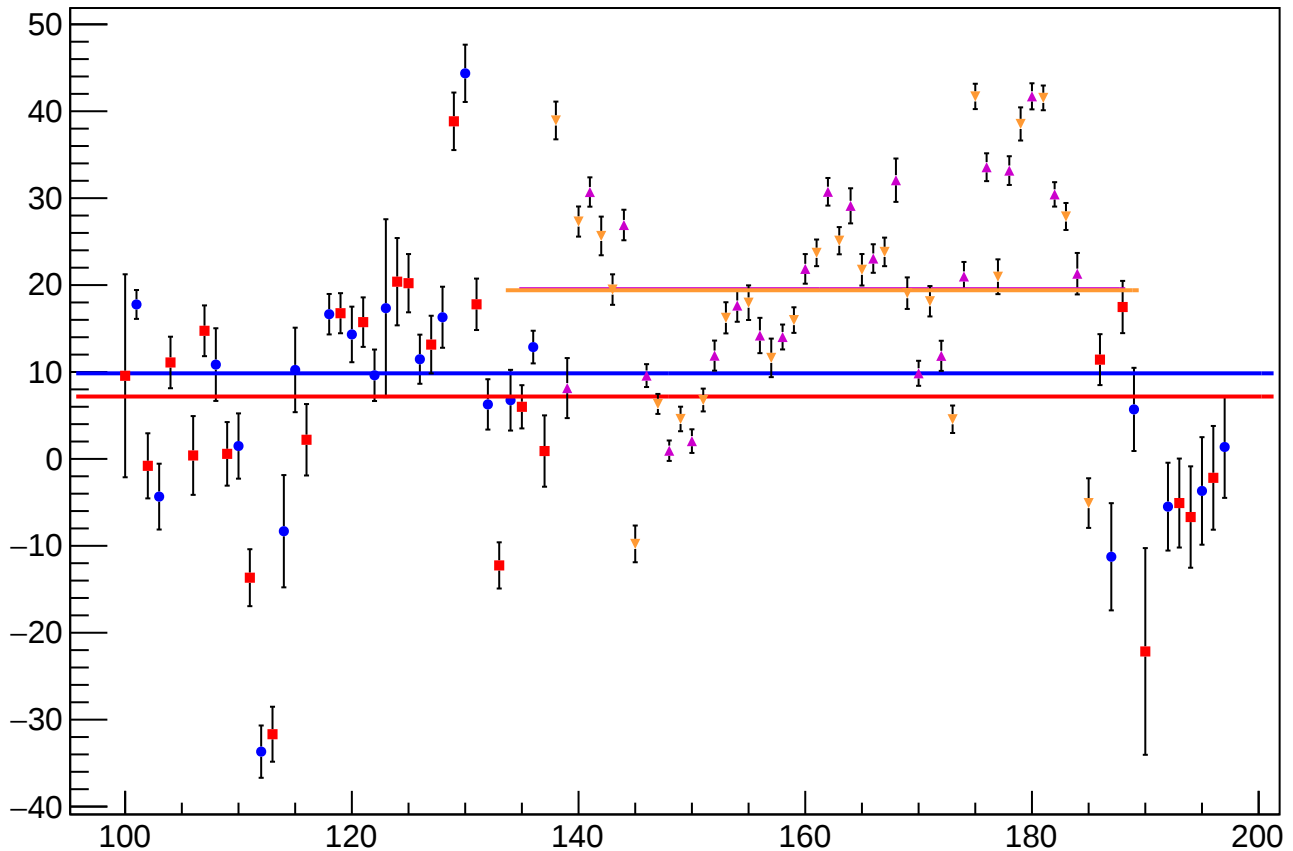
Left In: 110.171 ± 0.386 $\chi^2/\text{NDF}: 3702.6/22$

+ sign 118.819 ± 0.348 $\chi^2/\text{NDF}: 11098.8/46$

All: 122.549 ± 0.241 $\chi^2/\text{NDF}: 25998.4/94$

- sign 125.971 ± 0.334 $\chi^2/\text{NDF}: 14679.8/47$

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 9.846 ± 0.692 $\chi^2/\text{NDF}: 416.8/21$

Left Out: 19.405 ± 0.335 $\chi^2/\text{NDF}: 1453.4/24$

Right Out: 7.178 ± 0.688 $\chi^2/\text{NDF}: 457.2/24$

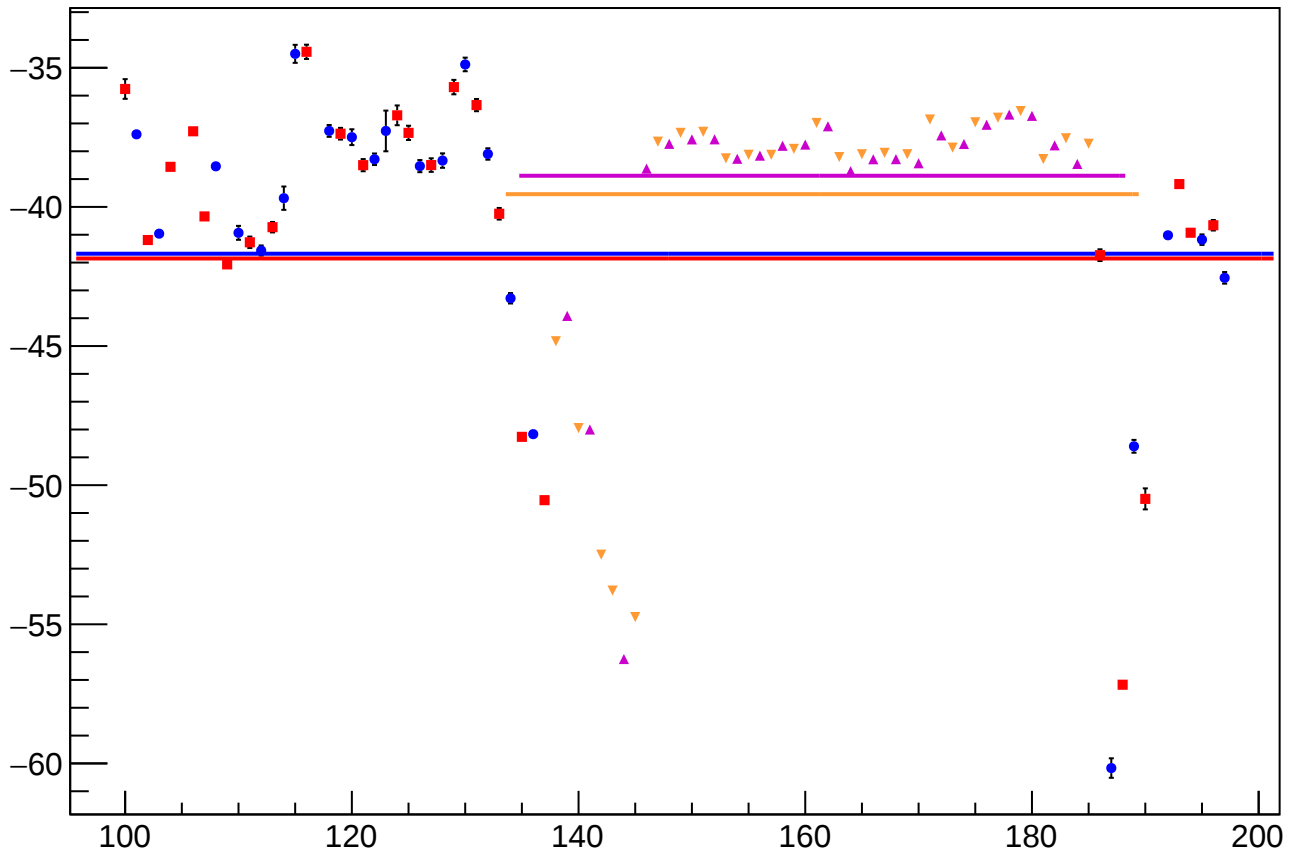
Left In: 19.530 ± 0.342 $\chi^2/\text{NDF}: 1181.3/22$

+ sign 17.592 ± 0.301 $\chi^2/\text{NDF}: 2024.9/46$

All: 17.338 ± 0.215 $\chi^2/\text{NDF}: 3923.3/94$

- sign 17.076 ± 0.307 $\chi^2/\text{NDF}: 1896.9/47$

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.682 ± 0.036 $\chi^2/\text{NDF}: 16334.0/21$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -41.853 ± 0.035 $\chi^2/\text{NDF}: 22558.4/24$

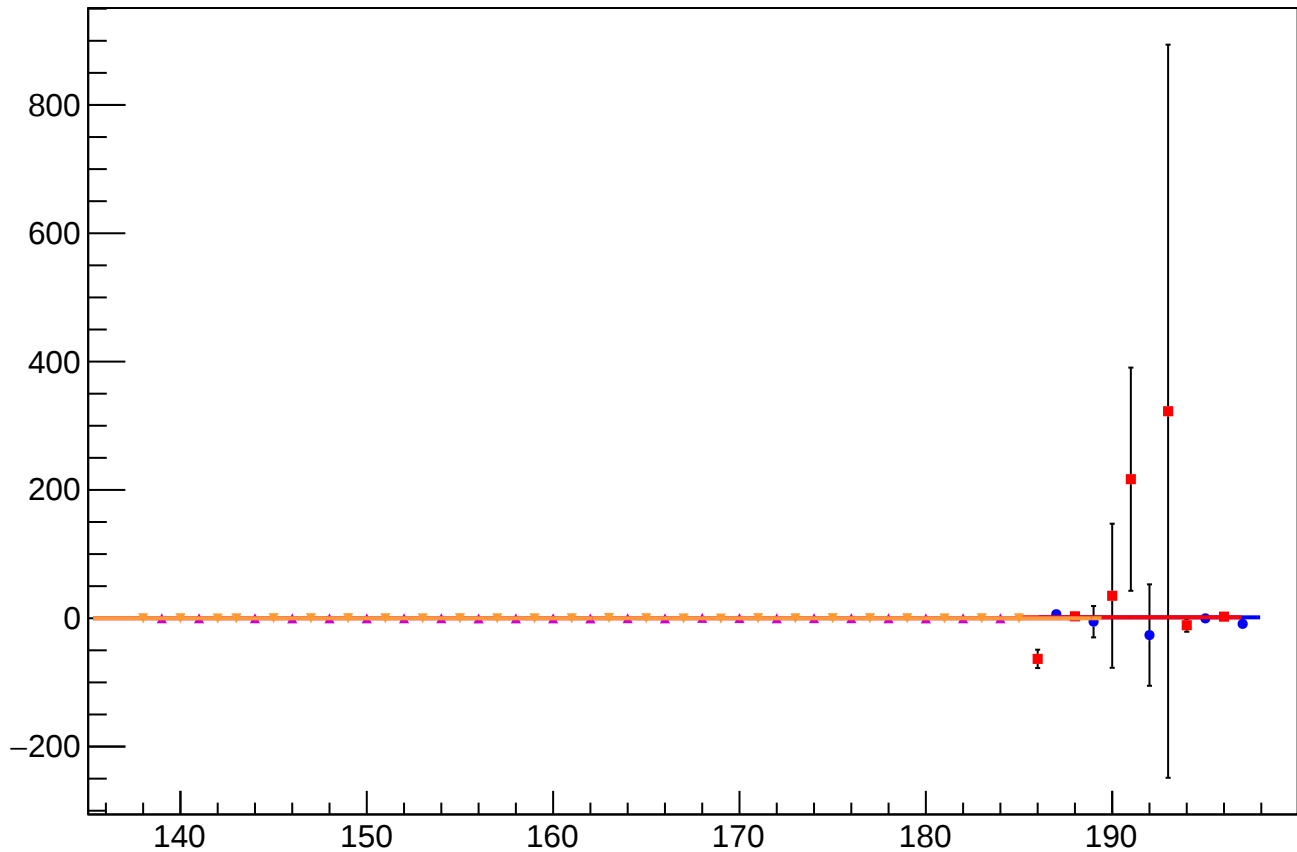
Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

+ sign -39.891 ± 0.014 $\chi^2/\text{NDF}: 111374.7/46$

All: -39.645 ± 0.010 $\chi^2/\text{NDF}: 194052.3/94$

- sign -39.398 ± 0.014 $\chi^2/\text{NDF}: 82093.2/47$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 1.398 ± 2.238 χ^2/NDF : 7.6/4

Left Out: -0.095 ± 0.022 χ^2/NDF : 41.8/24

Right Out: 1.486 ± 1.790 χ^2/NDF : 24.5/6

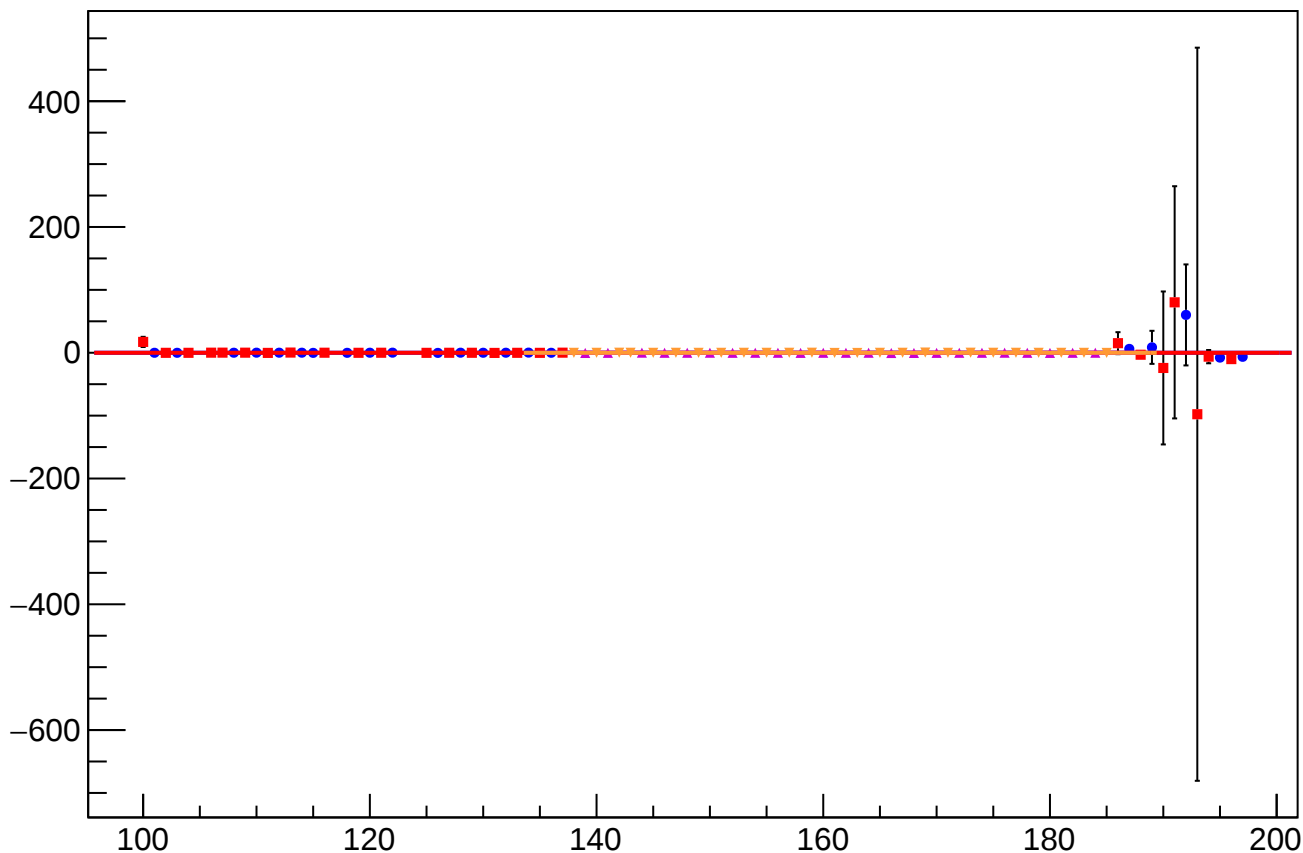
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.095 ± 0.022 χ^2/NDF : 49.9/29

All: -0.061 ± 0.016 χ^2/NDF : 113.4/59

- sign -0.025 ± 0.022 χ^2/NDF : 58.5/29

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 18.3/20

Left Out: -0.078 ± 0.017 χ^2/NDF : 26.6/24

Right Out: -0.051 ± 0.029 χ^2/NDF : 30.8/24

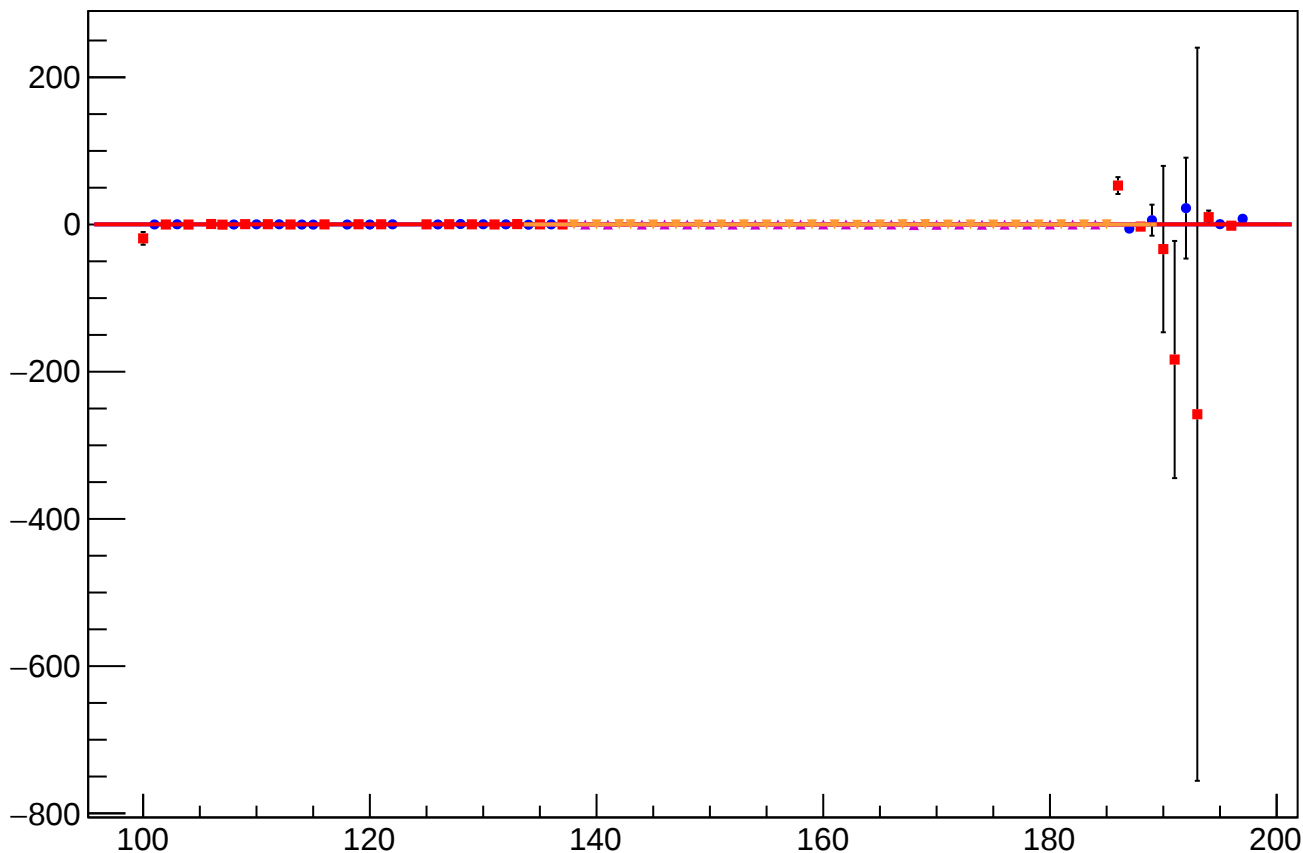
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.058 ± 0.015 χ^2/NDF : 50.1/45

All: -0.055 ± 0.010 χ^2/NDF : 112.7/93

- sign -0.052 ± 0.015 χ^2/NDF : 62.5/47

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.173 ± 0.053 $\chi^2/\text{NDF}: 22.1/20$

Left Out: 0.088 ± 0.022 $\chi^2/\text{NDF}: 40.7/24$

Right Out: 0.233 ± 0.054 $\chi^2/\text{NDF}: 49.4/24$

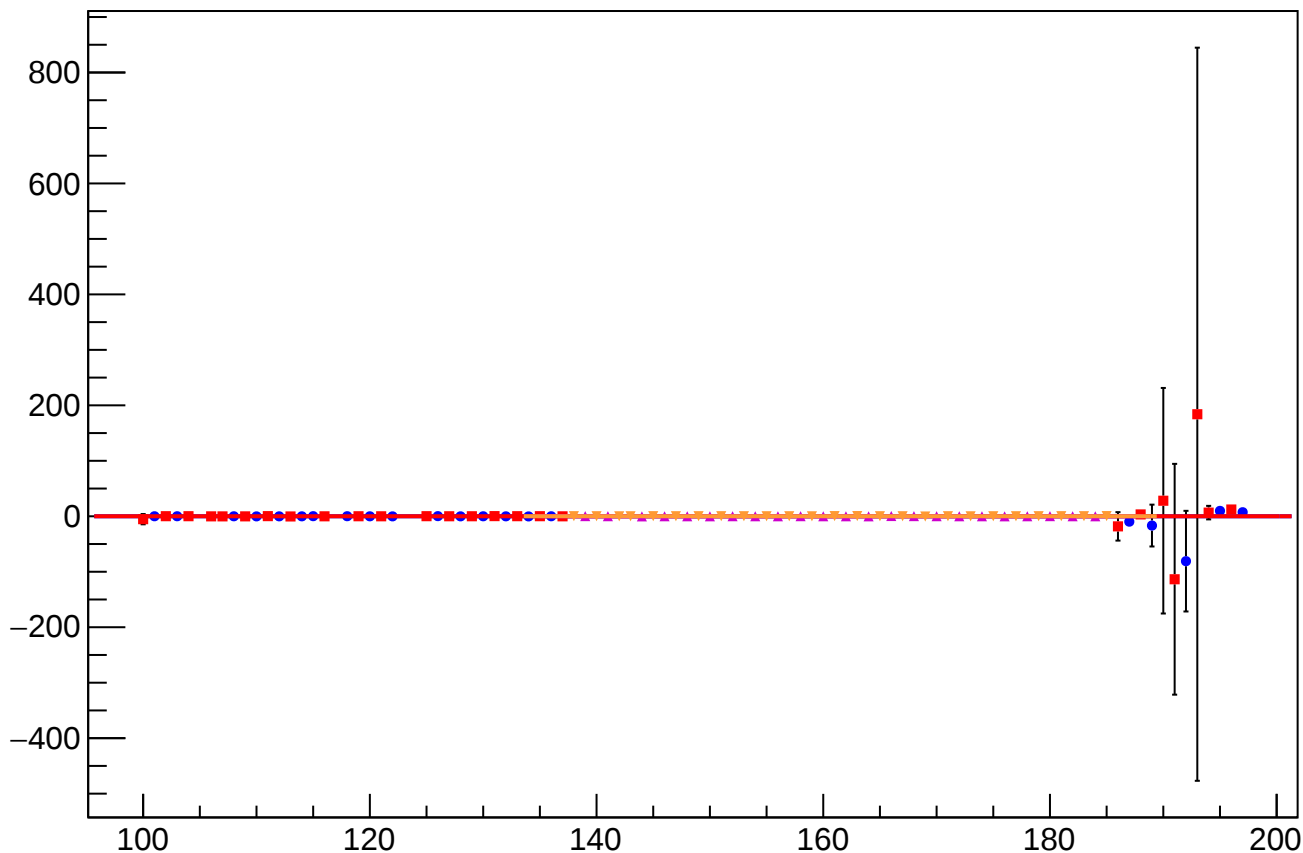
Left In: 0.020 ± 0.022 $\chi^2/\text{NDF}: 35.6/22$

+ sign 0.100 ± 0.020 $\chi^2/\text{NDF}: 65.1/45$

All: 0.076 ± 0.014 $\chi^2/\text{NDF}: 166.3/93$

- sign 0.051 ± 0.021 $\chi^2/\text{NDF}: 98.3/47$

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.006 ± 0.033 χ^2/NDF : 20.3/20

Left Out: 0.102 ± 0.019 χ^2/NDF : 30.2/24

Right Out: 0.057 ± 0.034 χ^2/NDF : 25.2/24

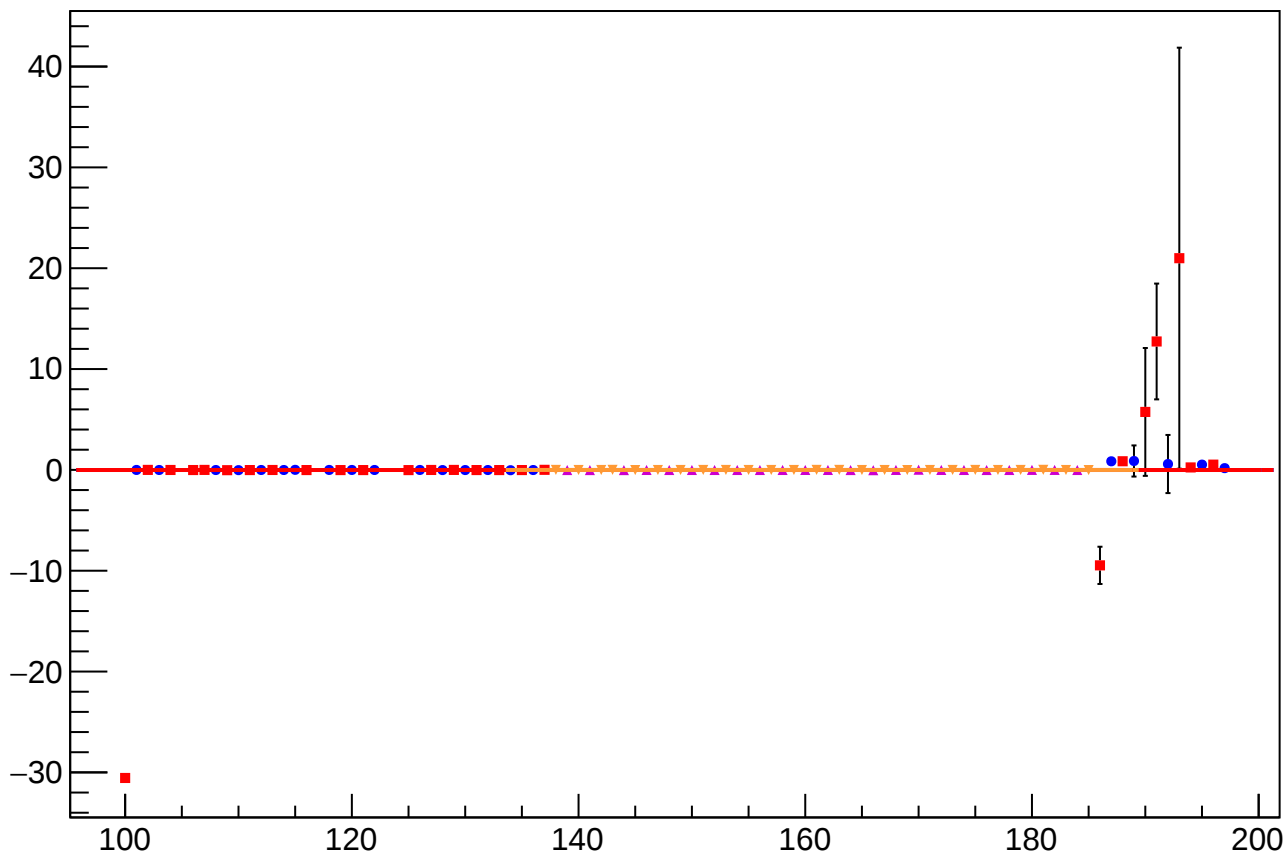
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.074 ± 0.017 χ^2/NDF : 58.6/45

All: 0.070 ± 0.012 χ^2/NDF : 115.3/93

- sign 0.066 ± 0.017 χ^2/NDF : 56.6/47

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 25.6/20

Left Out: -0.008 ± 0.001 χ^2/NDF : 34.7/24

Right Out: -0.012 ± 0.002 χ^2/NDF : 11943.3/24

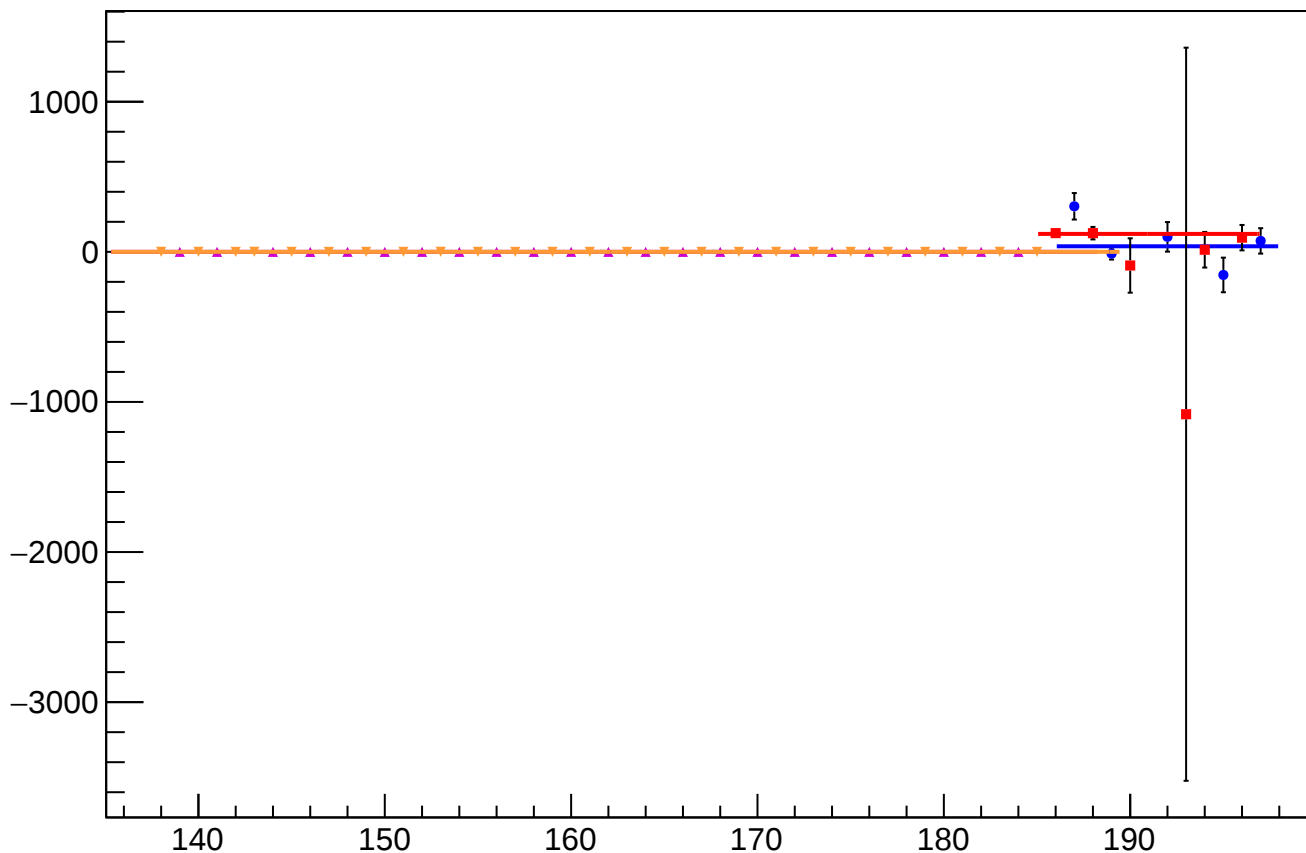
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.008 ± 0.001 χ^2/NDF : 64.7/45

All: -0.009 ± 0.001 χ^2/NDF : 12052.0/93

- sign -0.009 ± 0.001 χ^2/NDF : 11986.6/47

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 36.973 ± 30.312 $\chi^2/\text{NDF}: 14.0/4$

Left Out: 0.017 ± 0.027 $\chi^2/\text{NDF}: 30.9/24$

Right Out: 119.474 ± 16.572 $\chi^2/\text{NDF}: 2.6/5$

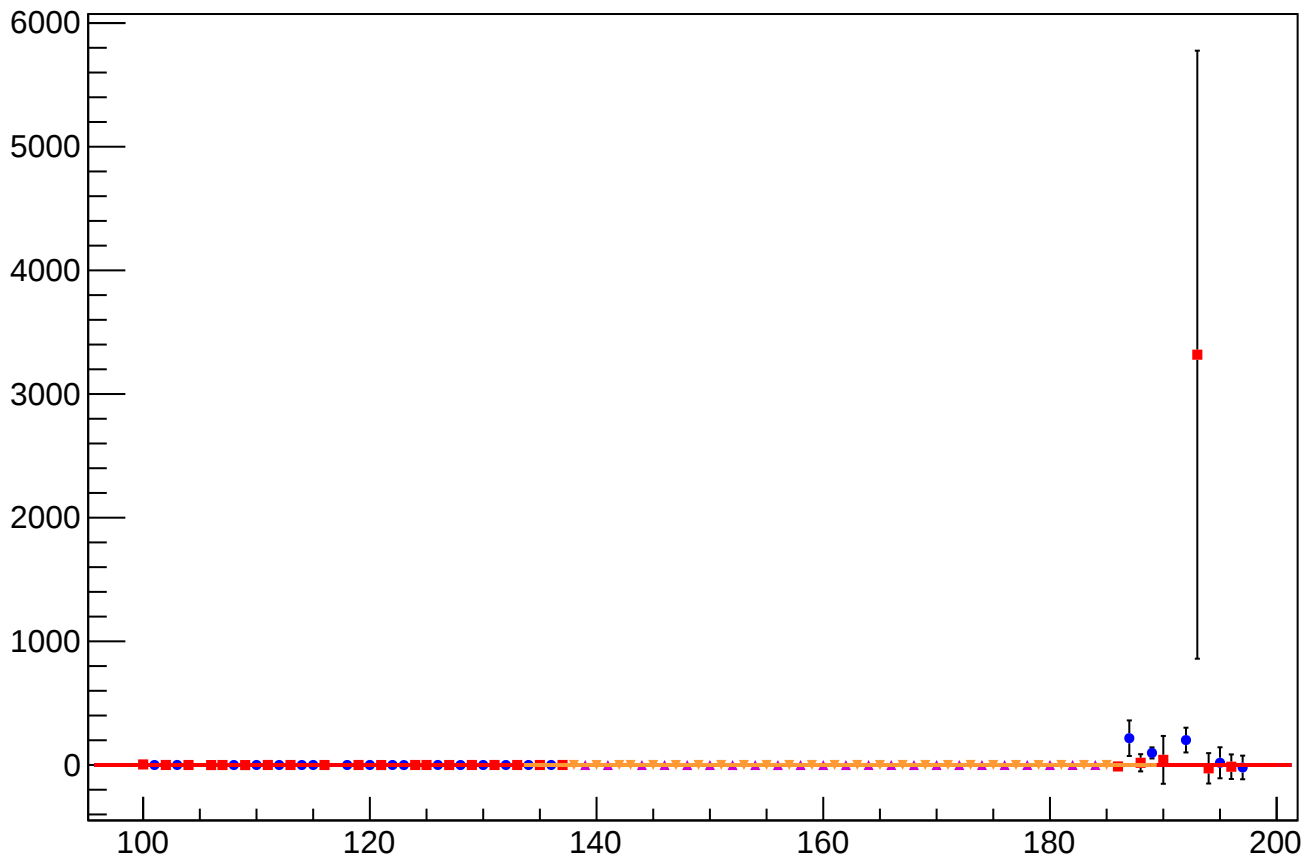
Left In: 0.002 ± 0.028 $\chi^2/\text{NDF}: 29.0/22$

+ sign 0.018 ± 0.027 $\chi^2/\text{NDF}: 46.4/29$

All: 0.010 ± 0.019 $\chi^2/\text{NDF}: 130.1/58$

- sign 0.003 ± 0.028 $\chi^2/\text{NDF}: 83.5/28$

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 34.1/21

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 20.7/24

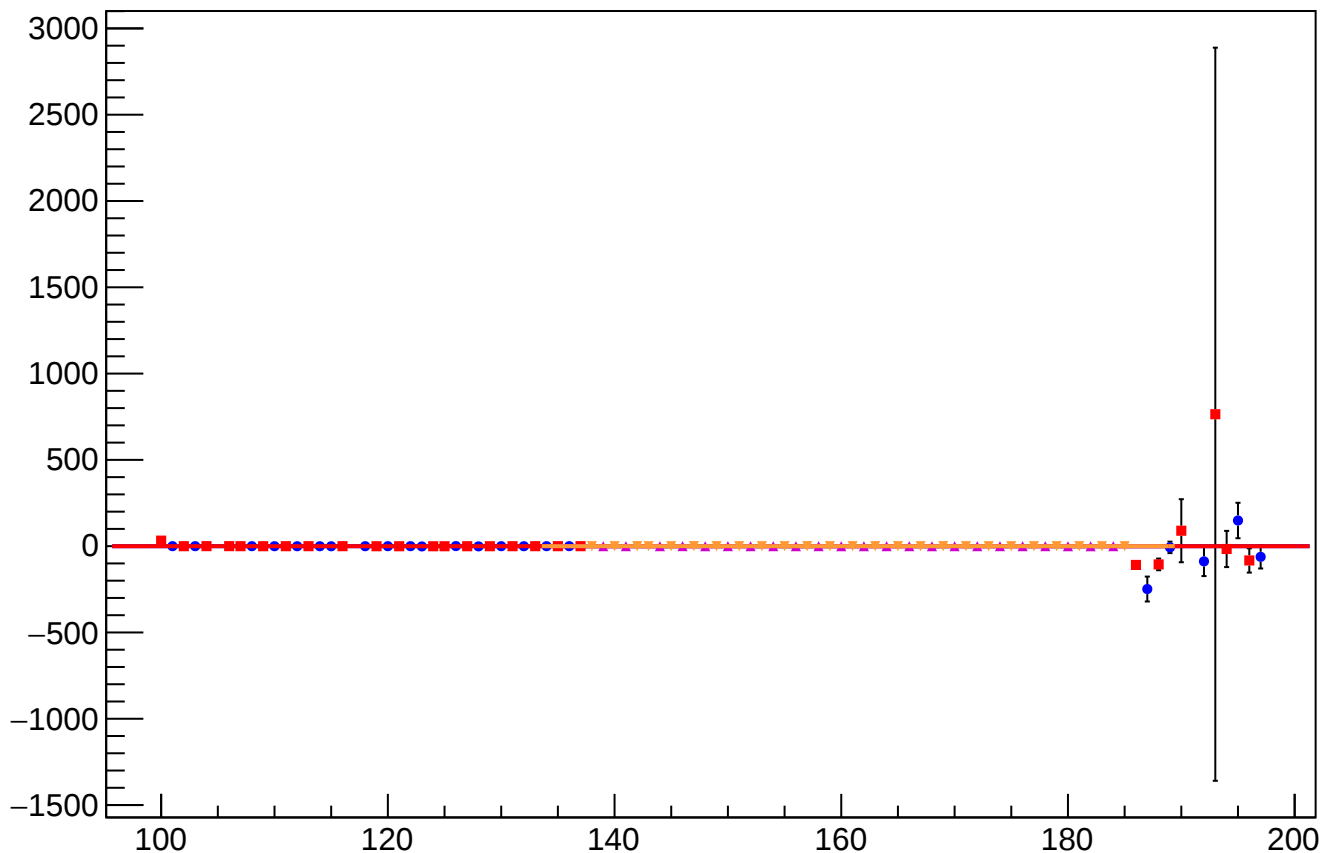
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 59.5/46

All: -0.066 ± 0.013 χ^2/NDF : 131.9/94

- sign -0.083 ± 0.019 χ^2/NDF : 70.9/47

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 40.6/21

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 77.6/24

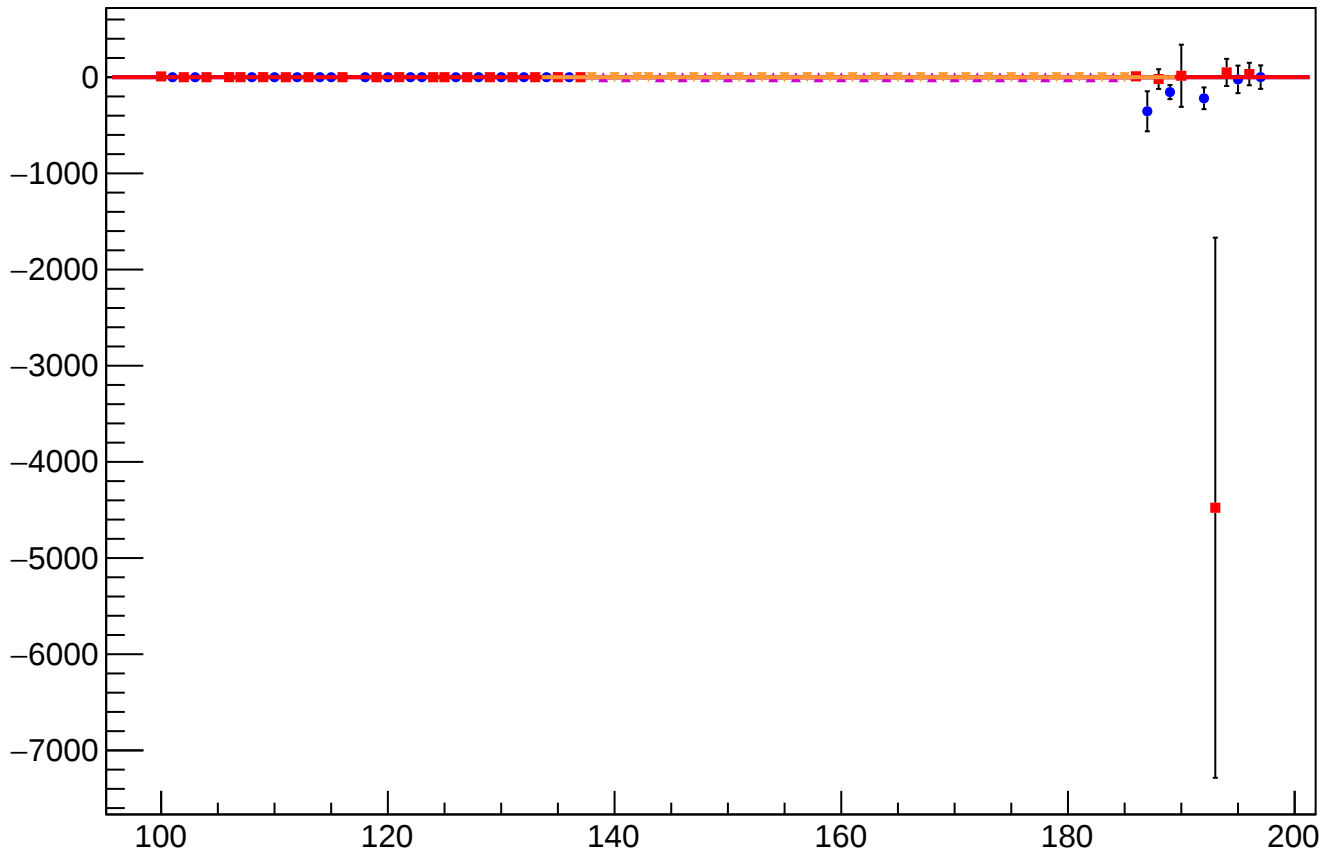
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 72.2/46

All: -0.042 ± 0.018 χ^2/NDF : 181.6/94

- sign -0.050 ± 0.026 χ^2/NDF : 109.2/47

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 ± 0.043 χ^2/NDF : 32.8/21

Left Out: 0.063 ± 0.024 χ^2/NDF : 24.6/24

Right Out: 0.144 ± 0.045 χ^2/NDF : 19.7/24

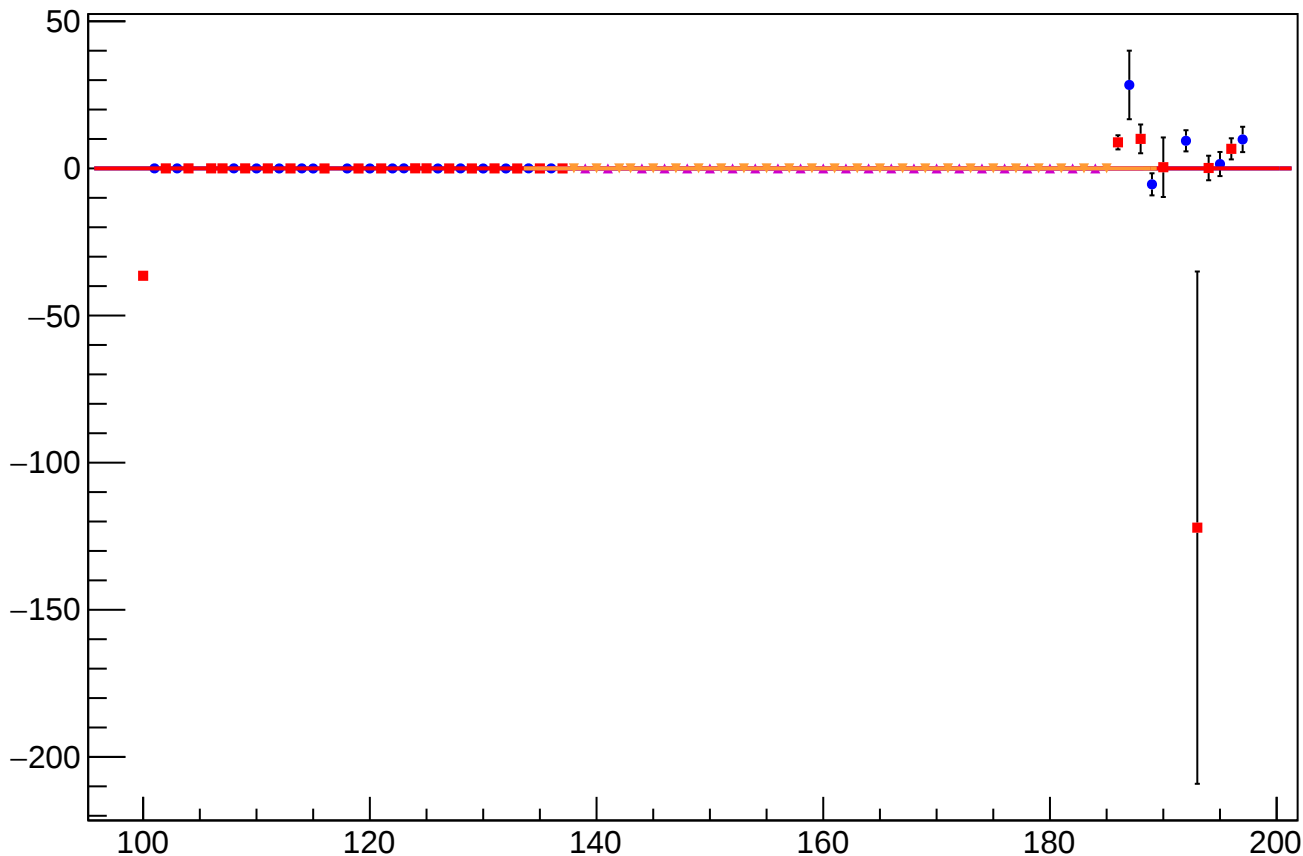
Left In: 0.069 ± 0.025 χ^2/NDF : 51.8/22

+ sign 0.052 ± 0.021 χ^2/NDF : 58.2/46

All: 0.069 ± 0.015 χ^2/NDF : 133.1/94

- sign 0.086 ± 0.022 χ^2/NDF : 73.6/47

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 50.7/21

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10472.3/24

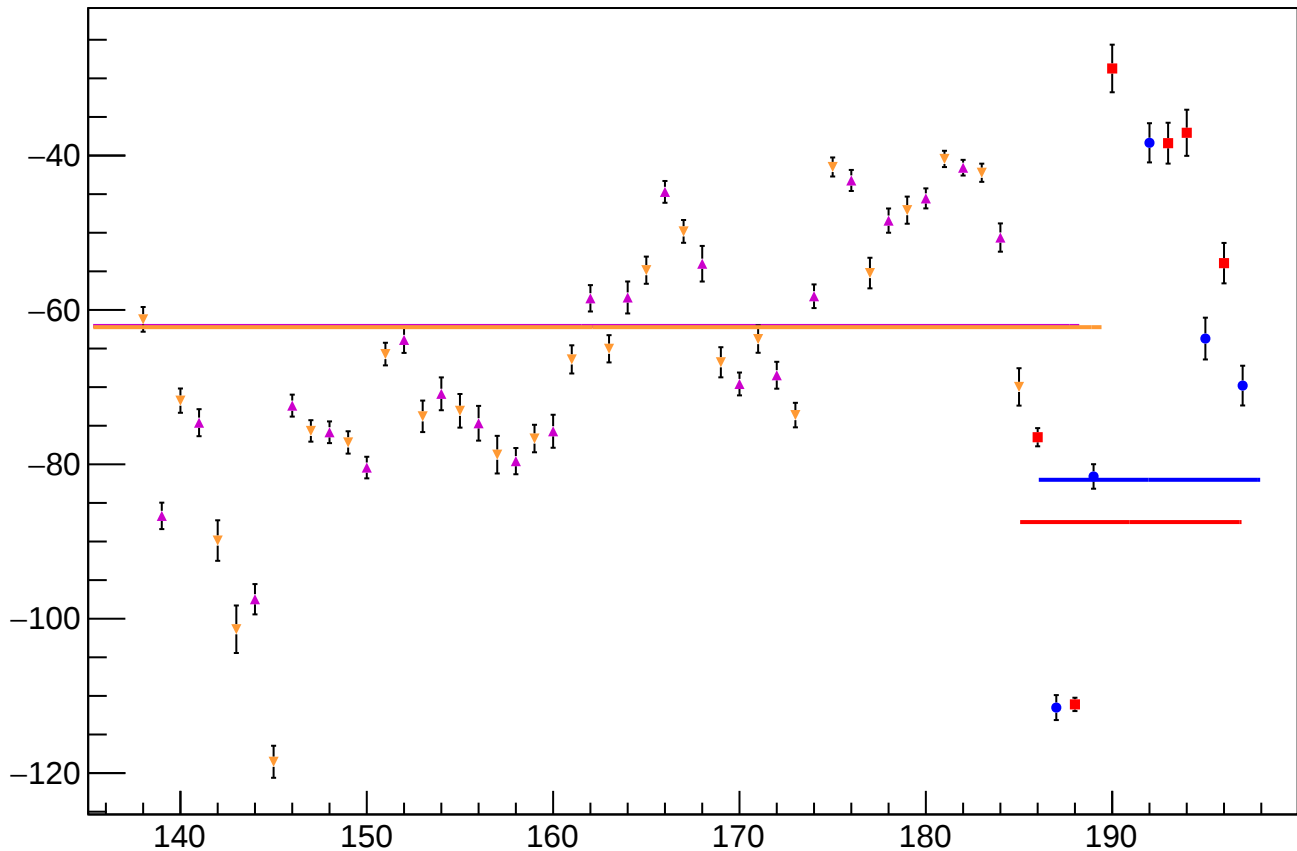
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 85.0/46

All: 0.007 ± 0.001 χ^2/NDF : 10582.8/94

- sign 0.007 ± 0.001 χ^2/NDF : 10497.7/47

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -82.004 ± 0.905 χ^2/NDF : 696.6/4

Left Out: -62.232 ± 0.332 χ^2/NDF : 2668.5/24

Right Out: -87.480 ± 0.624 χ^2/NDF : 1990.3/5

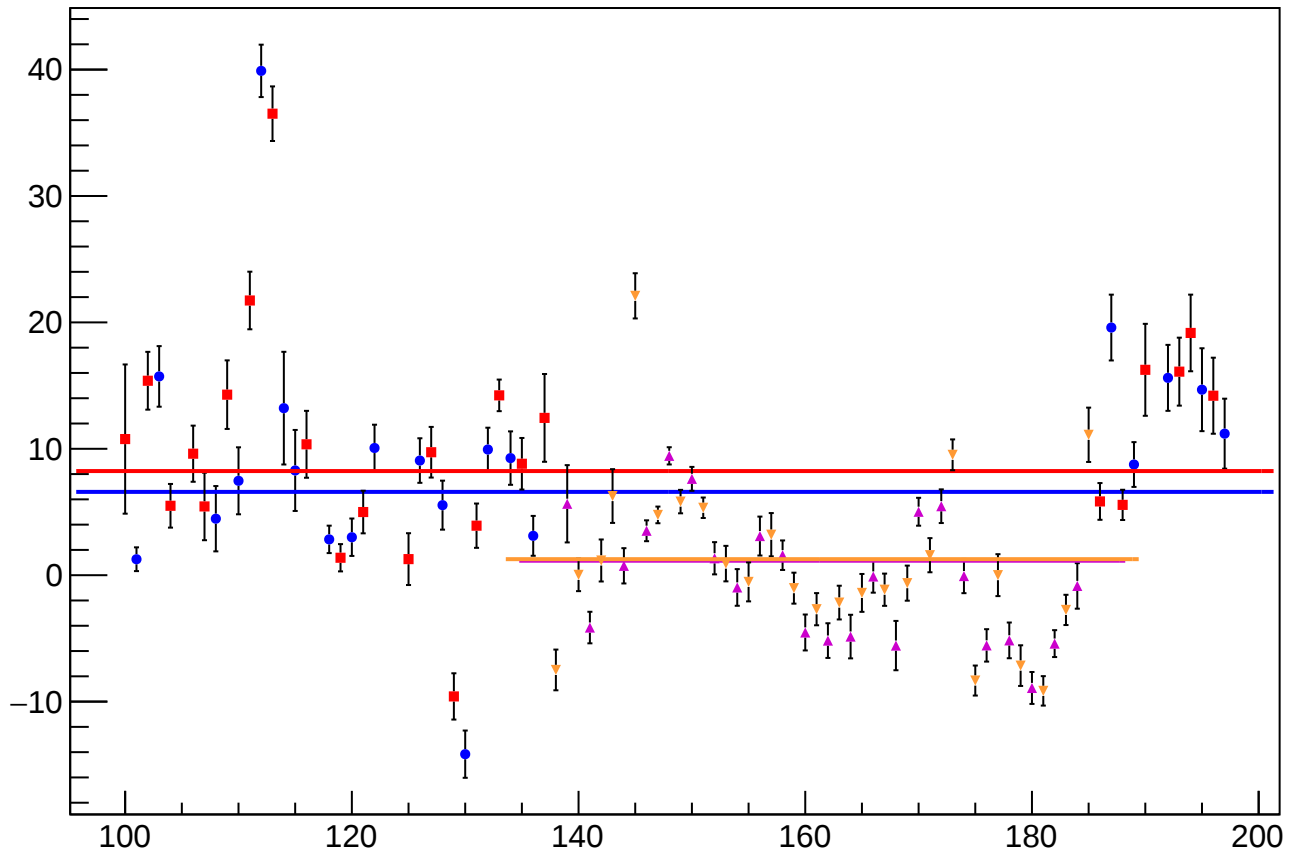
Left In: -62.073 ± 0.332 χ^2/NDF : 2192.0/22

+ sign -64.577 ± 0.312 χ^2/NDF : 3786.0/29

All: -66.223 ± 0.214 χ^2/NDF : 9311.3/58

- sign -67.682 ± 0.293 χ^2/NDF : 5472.7/28

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 6.591 ± 0.400 χ^2/NDF : 512.4/20

Left Out: 1.269 ± 0.251 χ^2/NDF : 531.9/24

Right Out: 8.239 ± 0.393 χ^2/NDF : 445.8/23

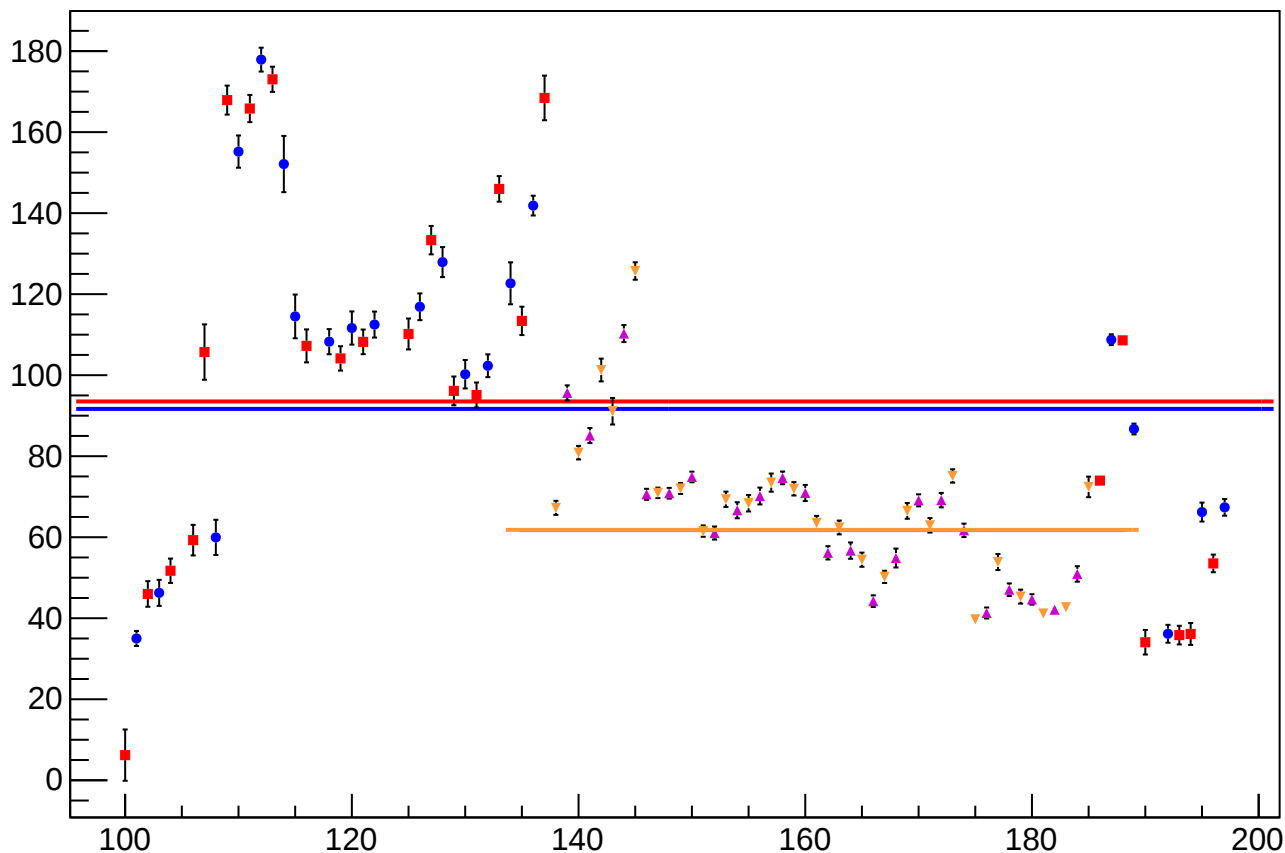
Left In: 1.146 ± 0.255 χ^2/NDF : 462.9/22

+ sign 2.771 ± 0.212 χ^2/NDF : 1171.4/45

All: 3.009 ± 0.151 χ^2/NDF : 2311.7/92

- sign 3.251 ± 0.214 χ^2/NDF : 1137.7/46

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 91.677 ± 0.554 χ^2/NDF : 4188.0/20

Left Out: 61.812 ± 0.331 χ^2/NDF : 2686.4/24

Right Out: 93.515 ± 0.435 χ^2/NDF : 5636.3/23

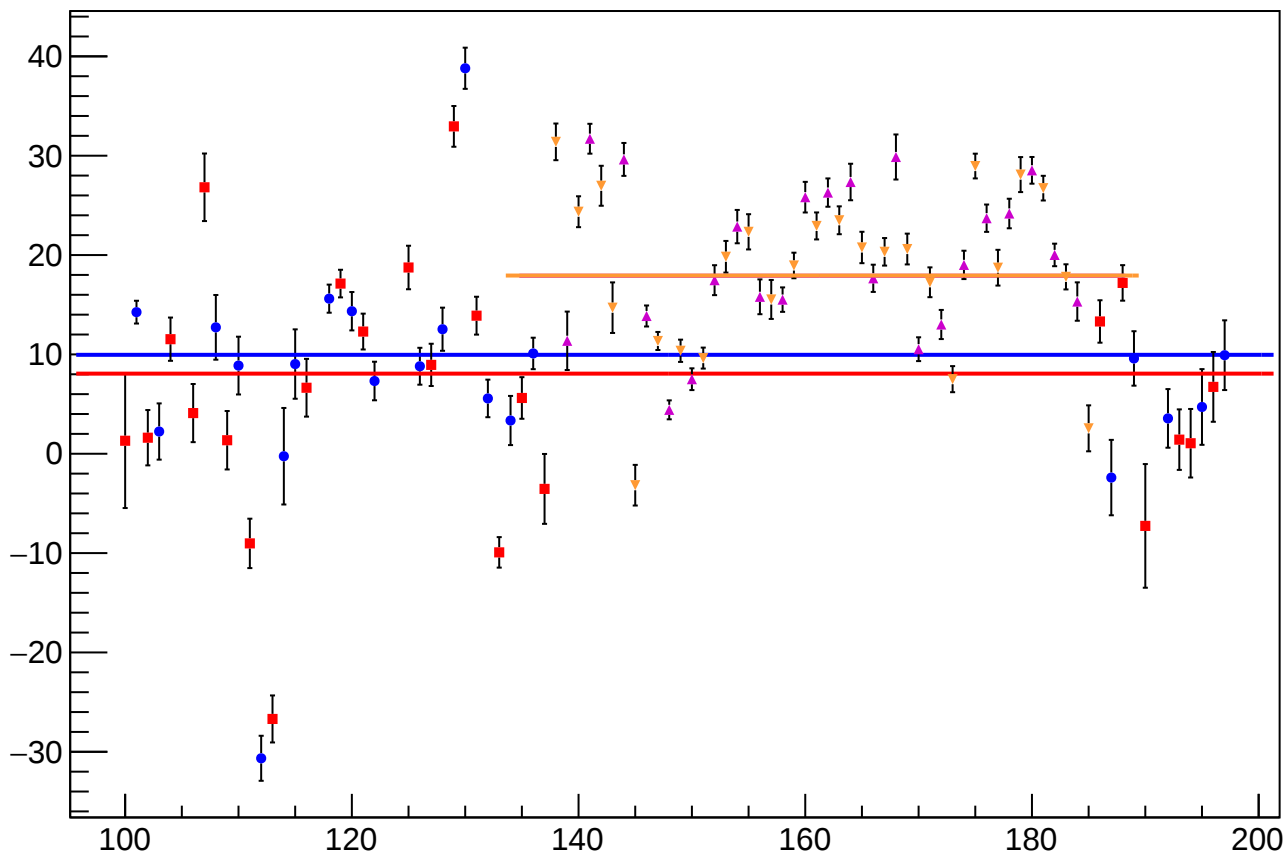
Left In: 61.762 ± 0.330 χ^2/NDF : 2418.2/22

+ sign 69.665 ± 0.284 χ^2/NDF : 9019.6/45

All: 71.644 ± 0.193 χ^2/NDF : 20542.2/92

- sign 73.344 ± 0.263 χ^2/NDF : 11432.2/46

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 9.957 ± 0.472 χ^2/NDF : 596.1/20

Left Out: 17.937 ± 0.289 χ^2/NDF : 676.0/24

Right Out: 8.064 ± 0.473 χ^2/NDF : 735.1/23

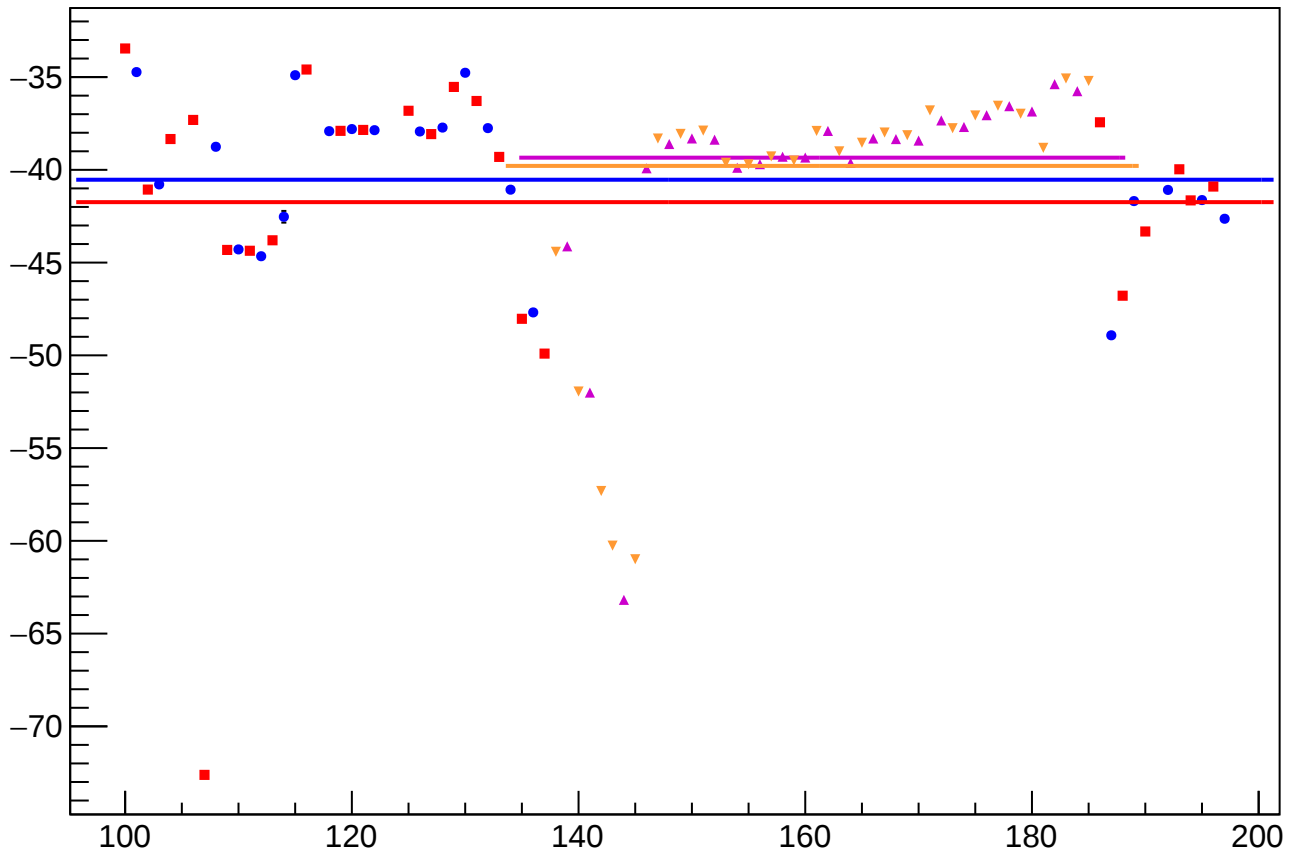
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 15.759 ± 0.246 χ^2/NDF : 1480.3/45

All: 15.478 ± 0.175 χ^2/NDF : 3258.5/92

- sign 15.193 ± 0.249 χ^2/NDF : 1775.5/46

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.533 ± 0.025 $\chi^2/\text{NDF}: 27323.3/20$

Left Out: -39.788 ± 0.014 $\chi^2/\text{NDF}: 165493.8/24$

Right Out: -41.741 ± 0.024 $\chi^2/\text{NDF}: 65980.3/23$

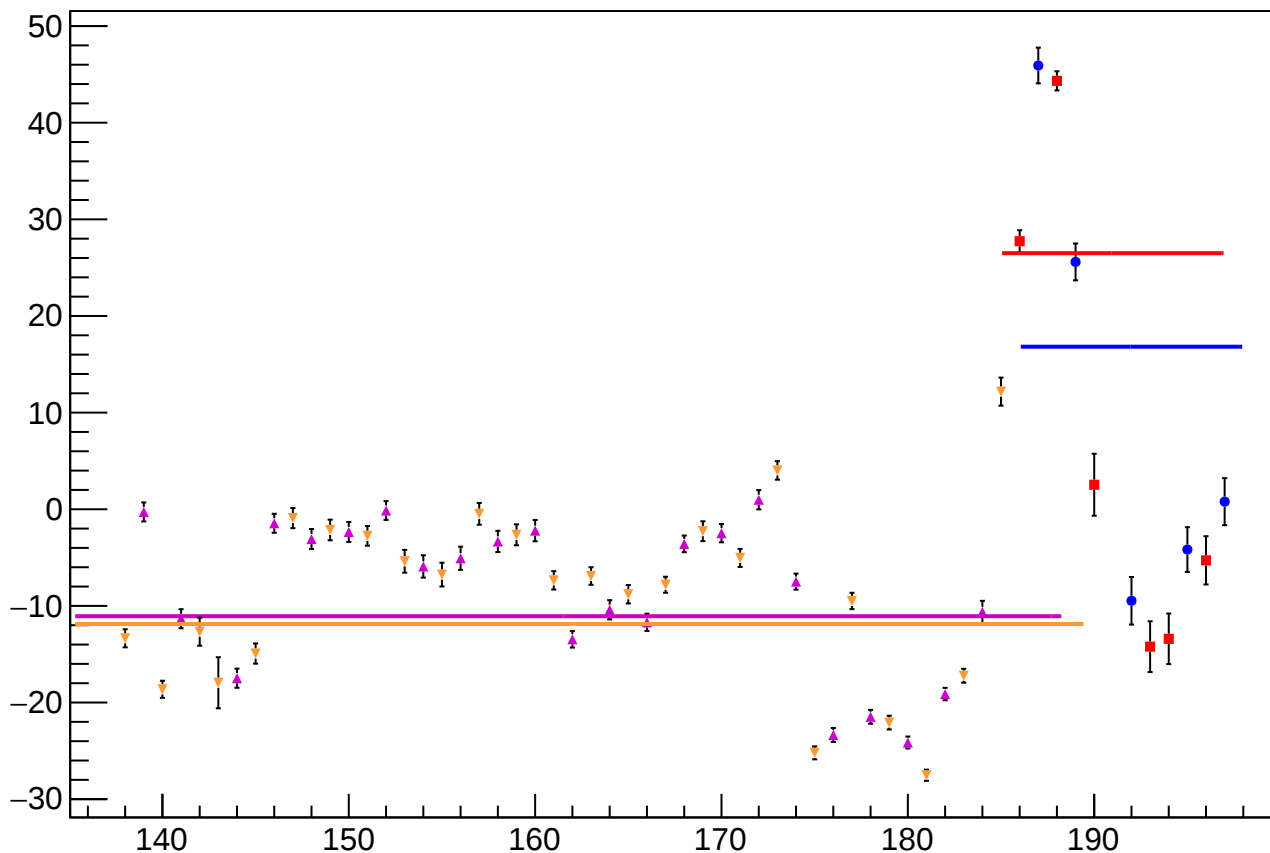
Left In: -39.344 ± 0.014 $\chi^2/\text{NDF}: 116615.7/22$

+ sign -39.958 ± 0.012 $\chi^2/\text{NDF}: 193496.7/45$

All: -39.937 ± 0.008 $\chi^2/\text{NDF}: 383534.1/92$

- sign -39.917 ± 0.012 $\chi^2/\text{NDF}: 190031.6/46$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 16.821 ± 0.958 $\chi^2/\text{NDF}: 509.7/4$

Left Out: -11.873 ± 0.186 $\chi^2/\text{NDF}: 2745.2/24$

Right Out: 26.499 ± 0.653 $\chi^2/\text{NDF}: 1016.0/5$

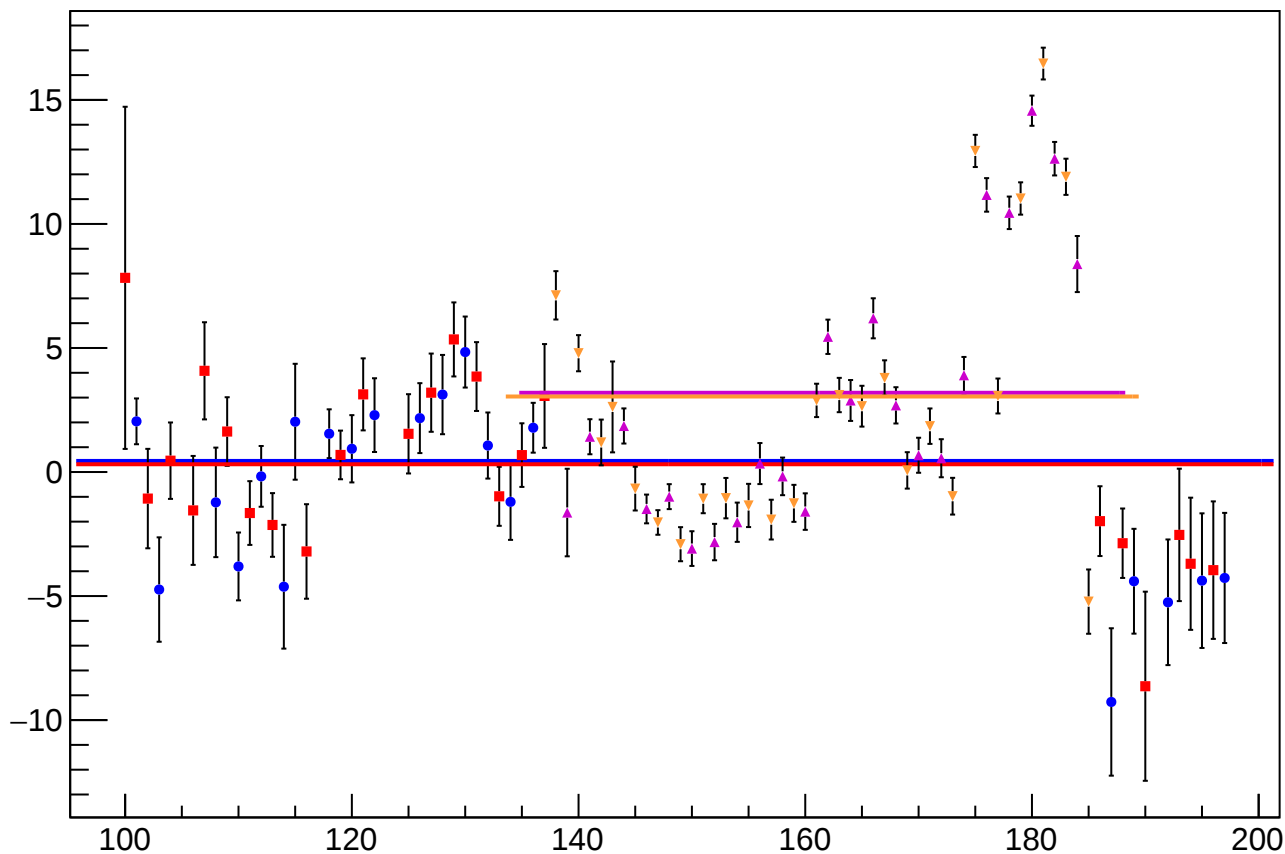
Left In: -11.067 ± 0.188 $\chi^2/\text{NDF}: 2104.8/22$

+ sign -10.827 ± 0.183 $\chi^2/\text{NDF}: 4119.3/29$

All: -9.493 ± 0.129 $\chi^2/\text{NDF}: 10401.5/58$

- sign -8.192 ± 0.181 $\chi^2/\text{NDF}: 6177.3/28$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 0.446 ± 0.328 $\chi^2/\text{NDF}: 71.3/20$

Left Out: 3.044 ± 0.147 $\chi^2/\text{NDF}: 1457.3/24$

Right Out: 0.313 ± 0.325 $\chi^2/\text{NDF}: 64.2/23$

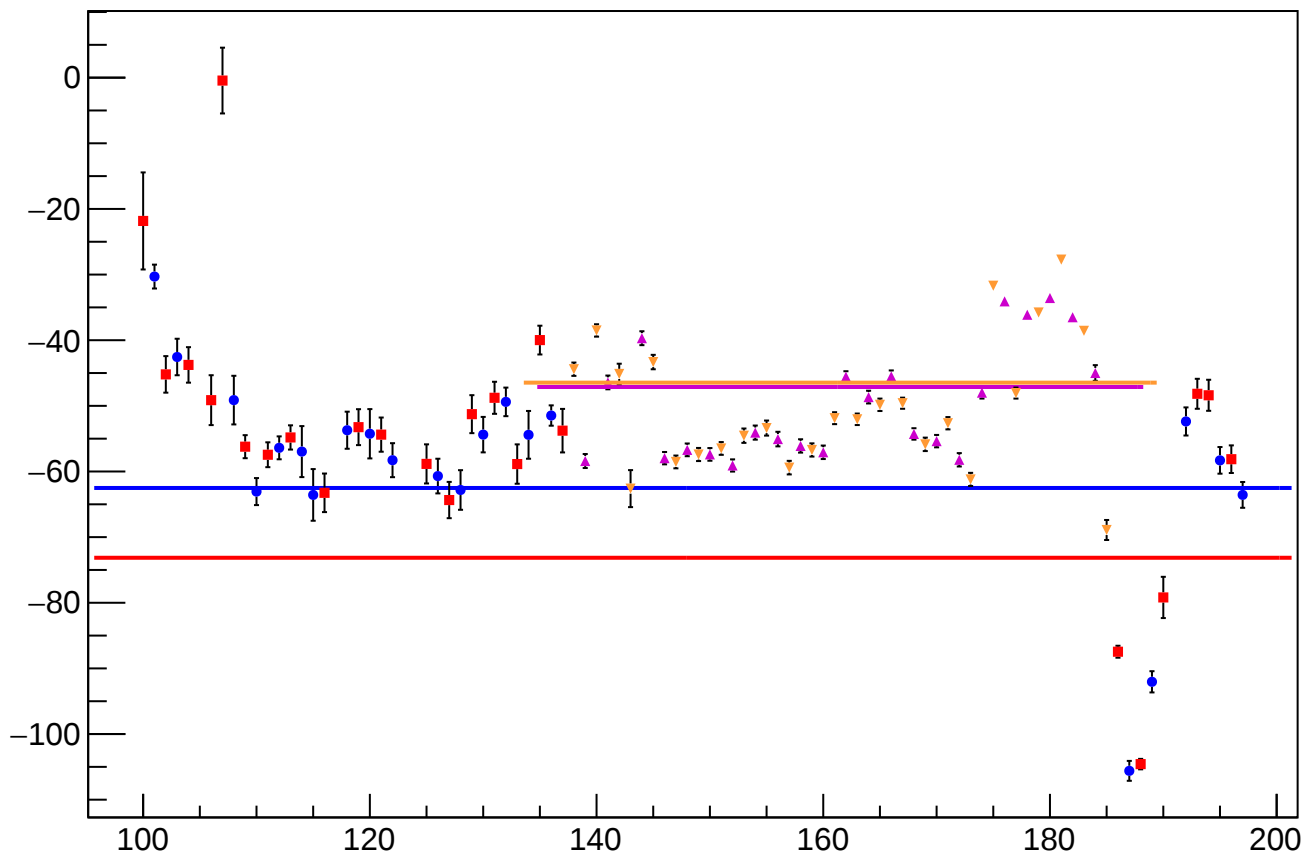
Left In: 3.194 ± 0.150 $\chi^2/\text{NDF}: 1295.0/22$

+ sign 2.607 ± 0.134 $\chi^2/\text{NDF}: 1580.9/45$

All: 2.647 ± 0.096 $\chi^2/\text{NDF}: 3005.2/92$

- sign 2.687 ± 0.136 $\chi^2/\text{NDF}: 1424.1/46$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -62.511 ± 0.489 χ^2/NDF : 1680.2/20

Left Out: -46.463 ± 0.186 χ^2/NDF : 3319.7/24

Right Out: -73.143 ± 0.405 χ^2/NDF : 3452.7/23

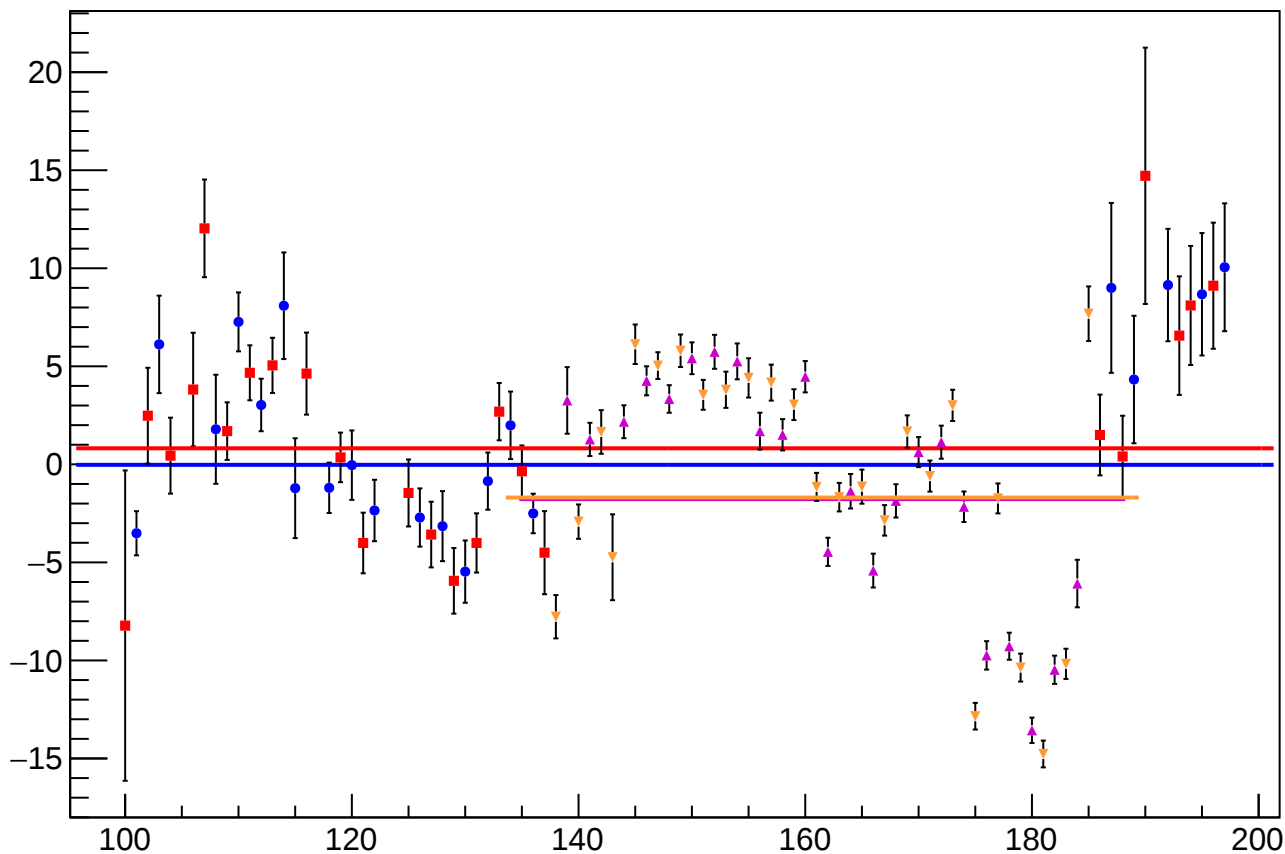
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -48.492 ± 0.174 χ^2/NDF : 5939.3/45

All: -50.139 ± 0.122 χ^2/NDF : 15485.3/92

- sign -51.710 ± 0.170 χ^2/NDF : 9370.9/46

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.025 ± 0.375 χ^2/NDF : 116.6/20

Left Out: -1.693 ± 0.167 χ^2/NDF : 1485.7/24

Right Out: 0.819 ± 0.377 χ^2/NDF : 117.9/23

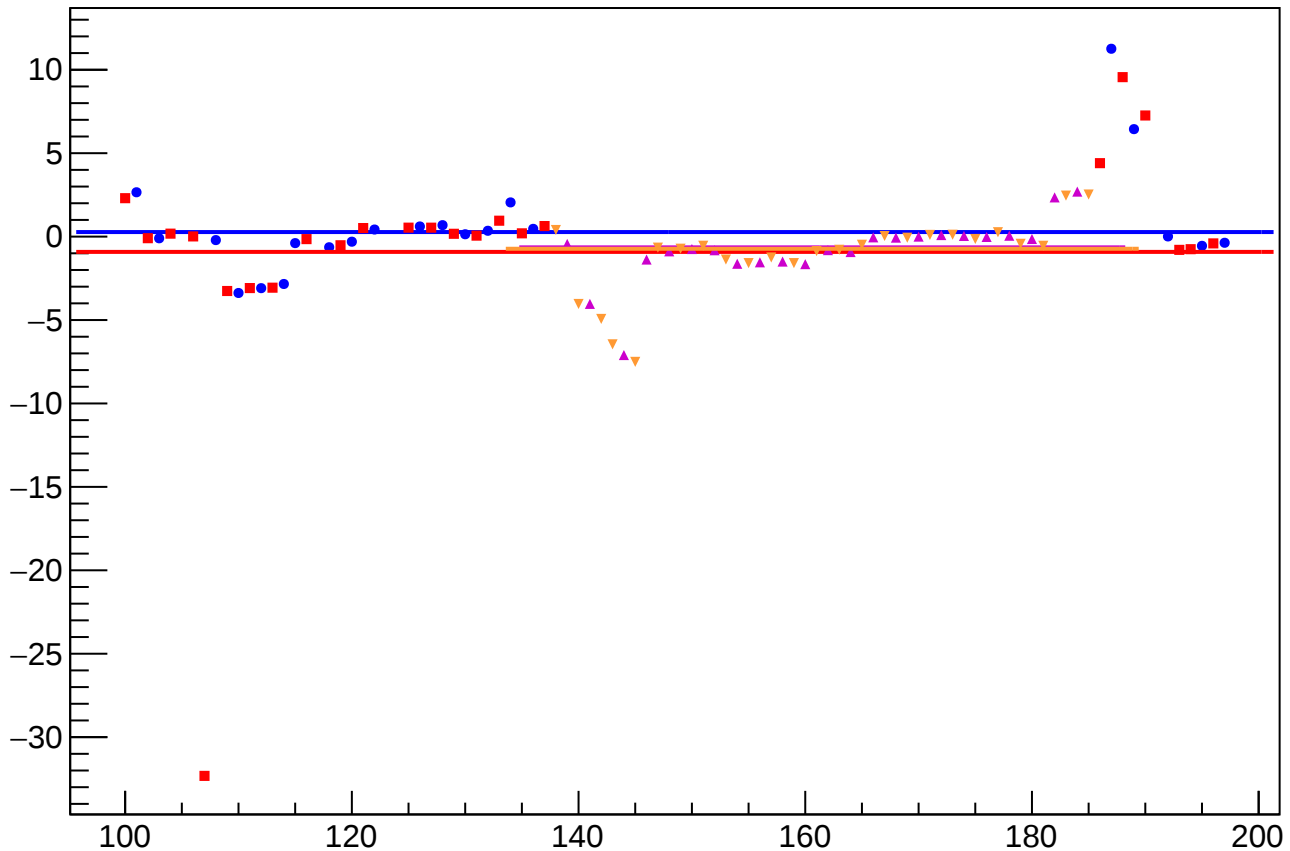
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.418 ± 0.152 χ^2/NDF : 1618.9/45

All: -1.378 ± 0.108 χ^2/NDF : 3027.6/92

- sign -1.337 ± 0.154 χ^2/NDF : 1408.6/46

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.273 ± 0.020 χ^2/NDF : 9227.8/20

Left Out: -0.728 ± 0.008 χ^2/NDF : 56403.8/24

Right Out: -0.916 ± 0.020 χ^2/NDF : 92263.0/23

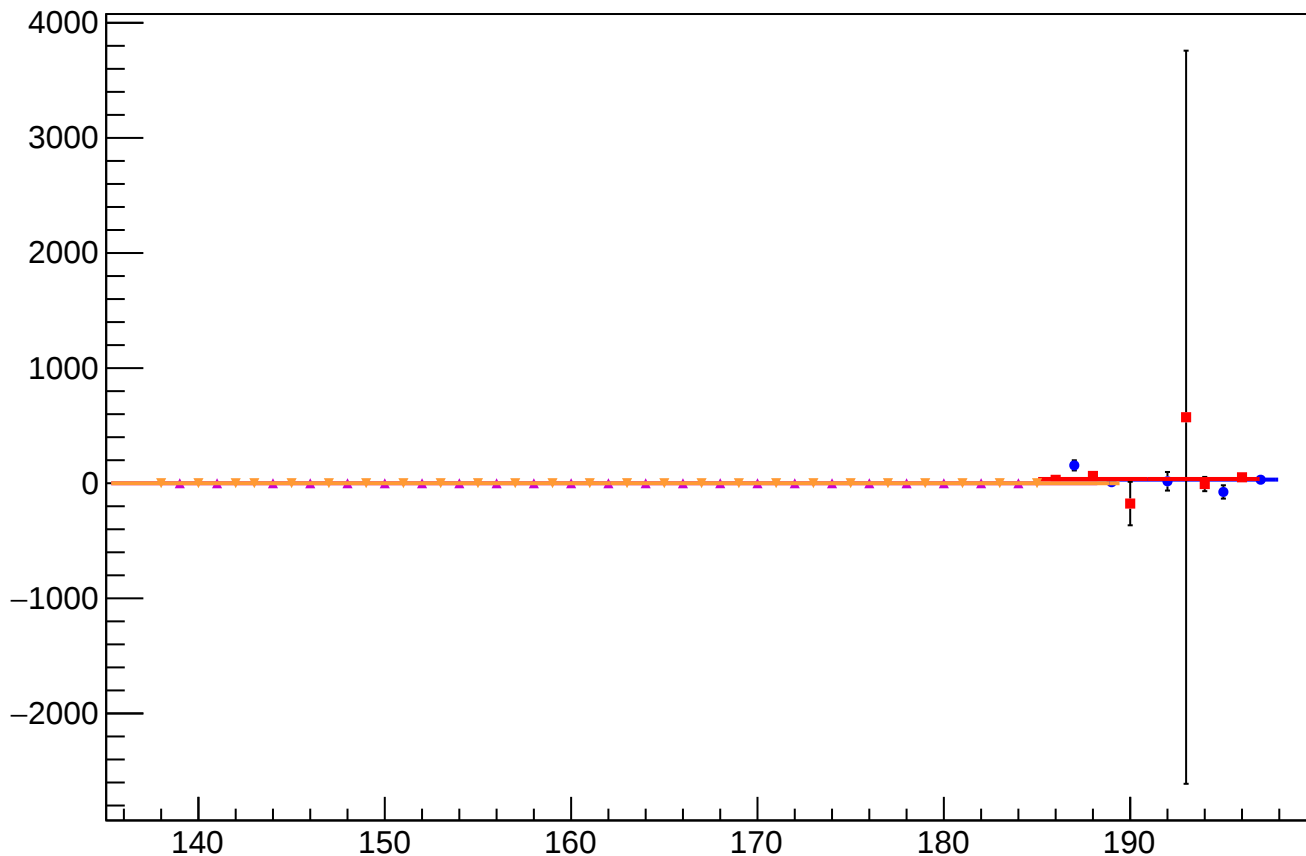
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.599 ± 0.007 χ^2/NDF : 67843.5/45

All: -0.640 ± 0.005 χ^2/NDF : 204506.3/92

- sign -0.680 ± 0.007 χ^2/NDF : 136598.9/46

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 31.471+/-18.934 χ^2/NDF : 12.0/4

Left Out: -0.036+/-0.018 χ^2/NDF : 35.6/24

Right Out: 37.022+/-10.011 χ^2/NDF : 3.9/5

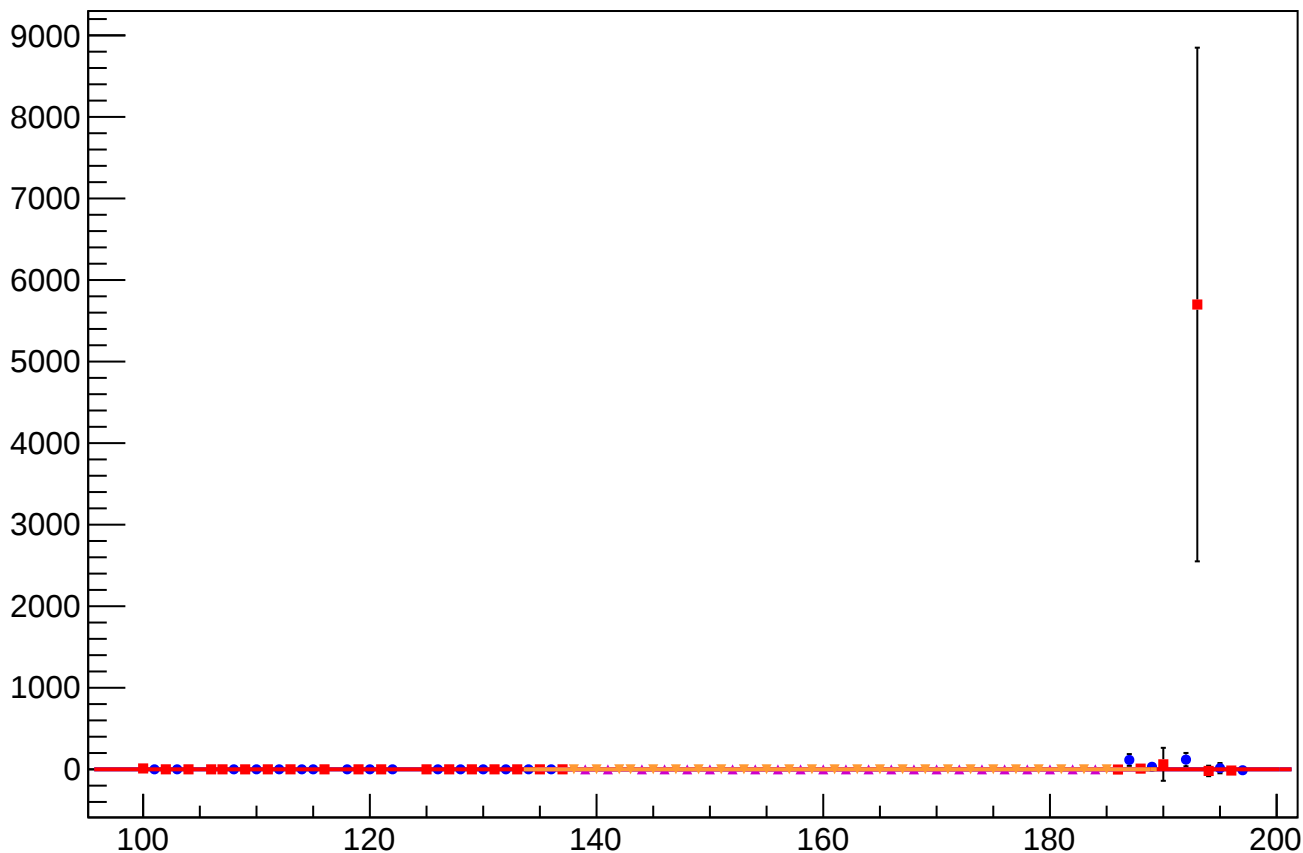
Left In: -0.010+/-0.018 χ^2/NDF : 35.1/22

+ sign -0.036+/-0.018 χ^2/NDF : 50.3/29

All: -0.023+/-0.013 χ^2/NDF : 104.1/58

- sign -0.010+/-0.018 χ^2/NDF : 52.7/28

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 17.8/20

Left Out: -0.071 ± 0.014 χ^2/NDF : 28.3/24

Right Out: -0.088 ± 0.025 χ^2/NDF : 16.6/23

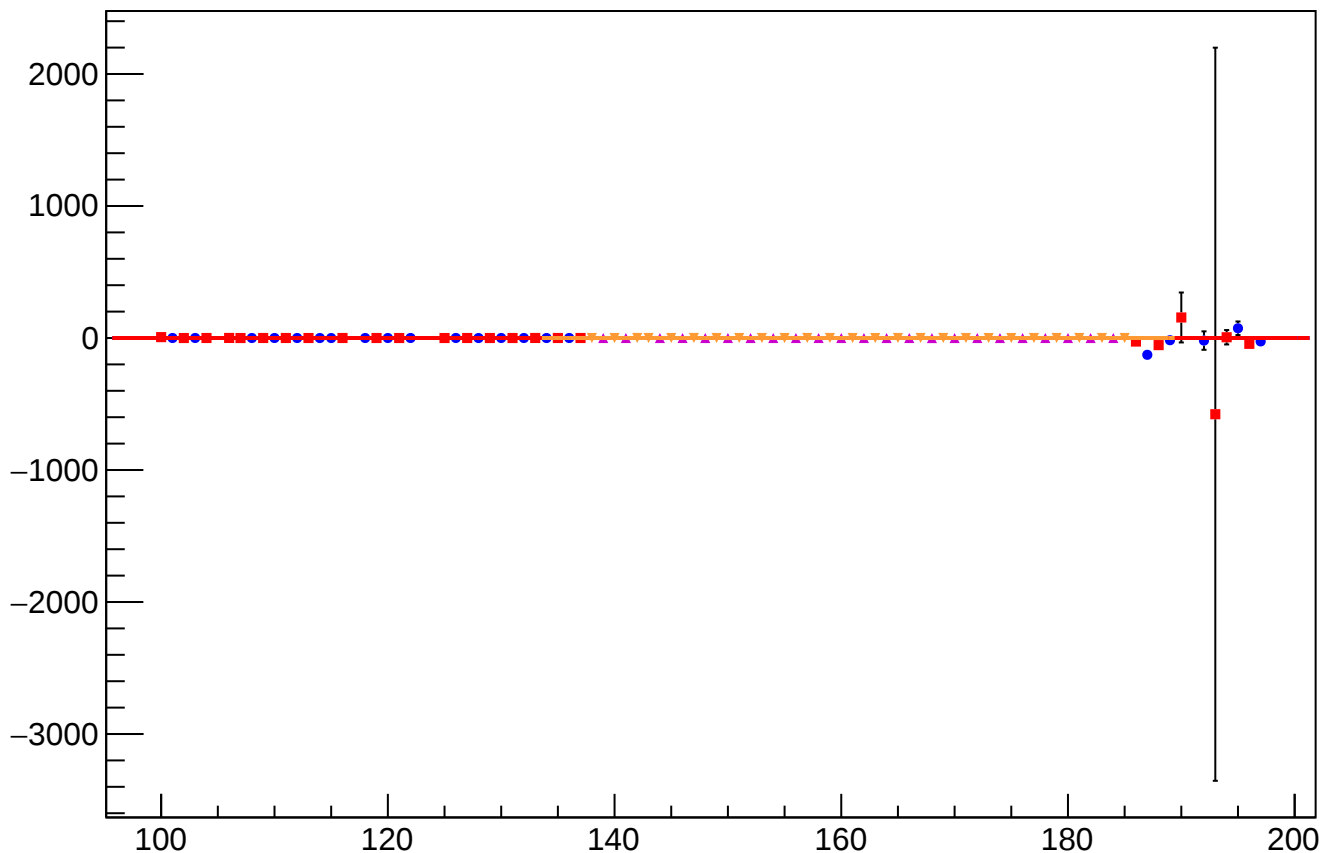
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.056 ± 0.012 χ^2/NDF : 50.5/45

All: -0.063 ± 0.009 χ^2/NDF : 109.5/92

- sign -0.070 ± 0.012 χ^2/NDF : 58.3/46

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 24.7/20

Left Out: 0.033 $\pm$ 0.018 χ^2 /NDF:32.6/24

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 29.3/23

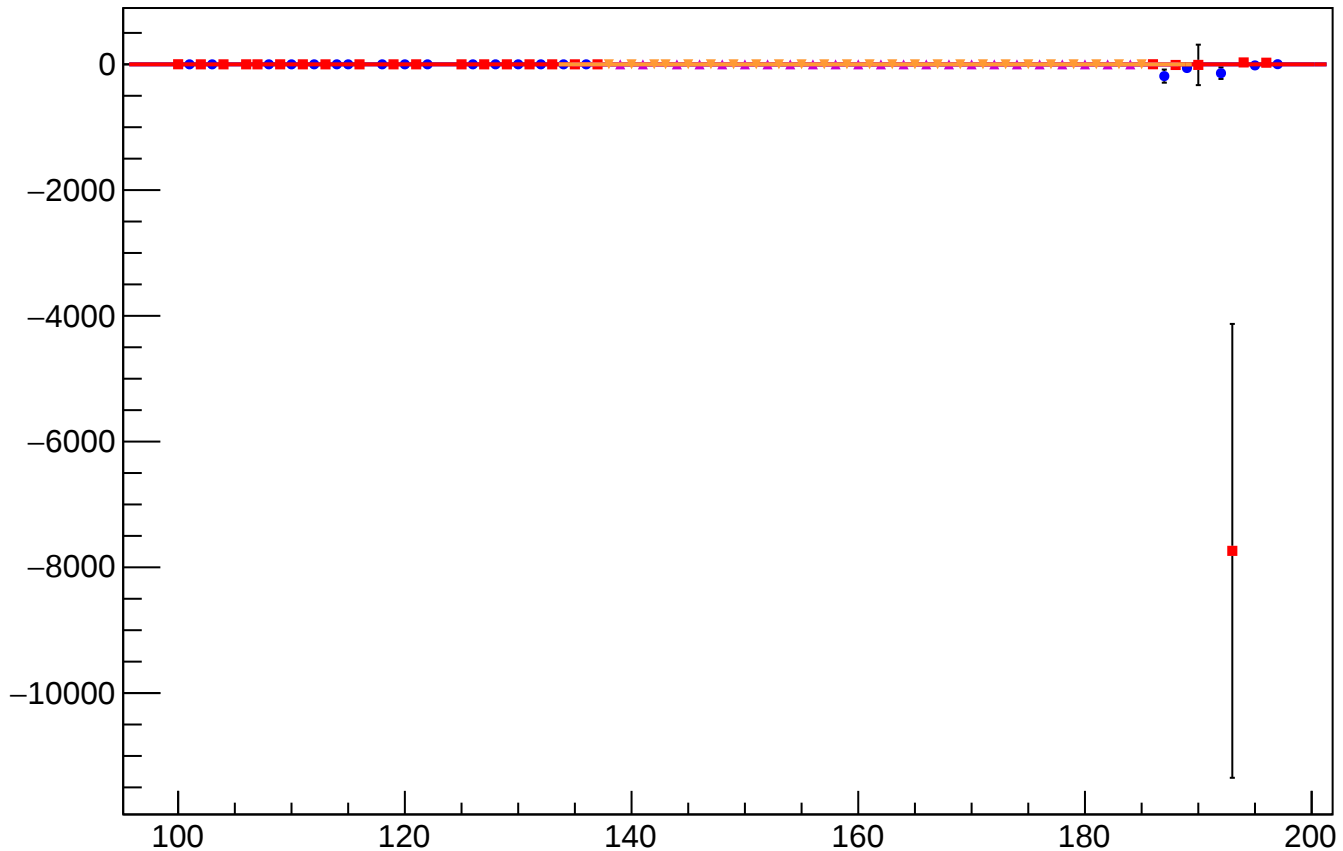
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.031 $\pm$ 0.016 χ^2 /NDF: 57.4/45

All: 0.014 $\pm$ 0.012 χ^2 /NDF: 126.3/92

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 66.8/46

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 ± 0.027 χ^2/NDF : 18.5/20

Left Out: 0.084 ± 0.016 χ^2/NDF : 28.1/24

Right Out: 0.105 ± 0.029 χ^2/NDF : 13.1/23

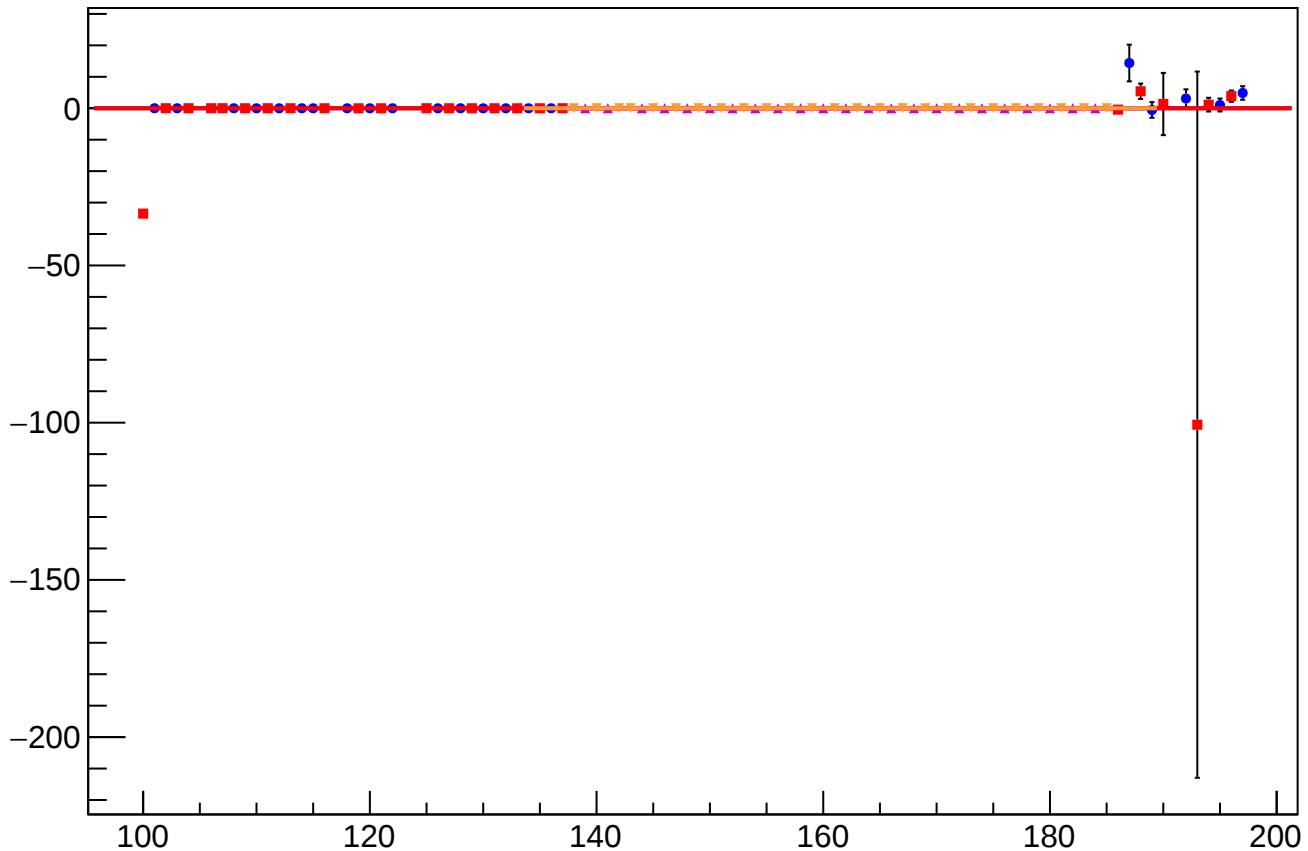
Left In: 0.070 ± 0.016 χ^2/NDF : 44.8/22

+ sign 0.065 ± 0.014 χ^2/NDF : 52.5/45

All: 0.071 ± 0.010 χ^2/NDF : 112.1/92

- sign 0.078 ± 0.014 χ^2/NDF : 59.1/46

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 34.1/20

Left Out: 0.001 ± 0.001 χ^2/NDF : 26.1/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 26519.5/23

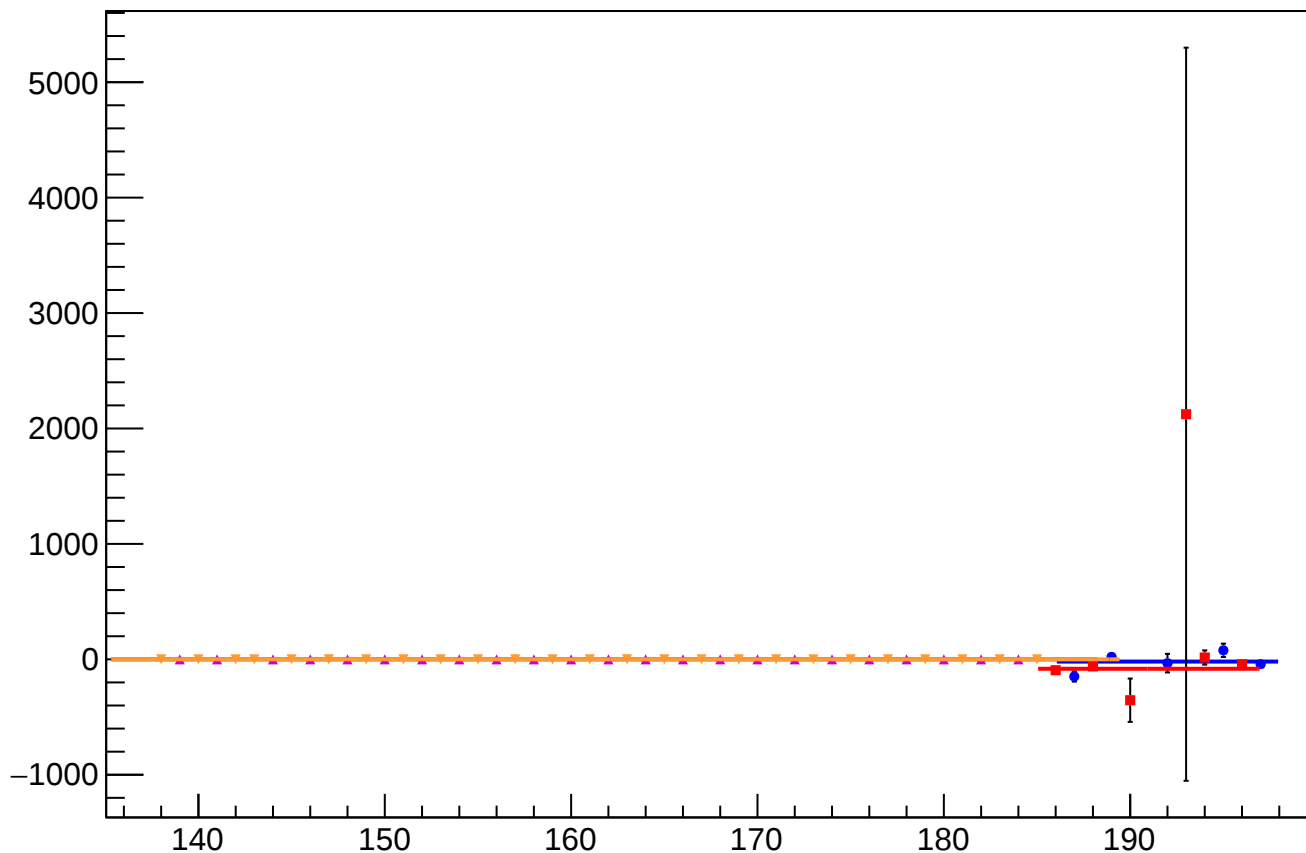
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 74.0/45

All: -0.001 ± 0.000 χ^2/NDF : 26630.0/92

- sign -0.001 ± 0.001 χ^2/NDF : 26555.7/46

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -19.330 ± 18.923 χ^2/NDF : 13.8/4

Left Out: -0.059 ± 0.018 χ^2/NDF : 41.7/24

Right Out: -81.776 ± 10.013 χ^2/NDF : 8.0/5

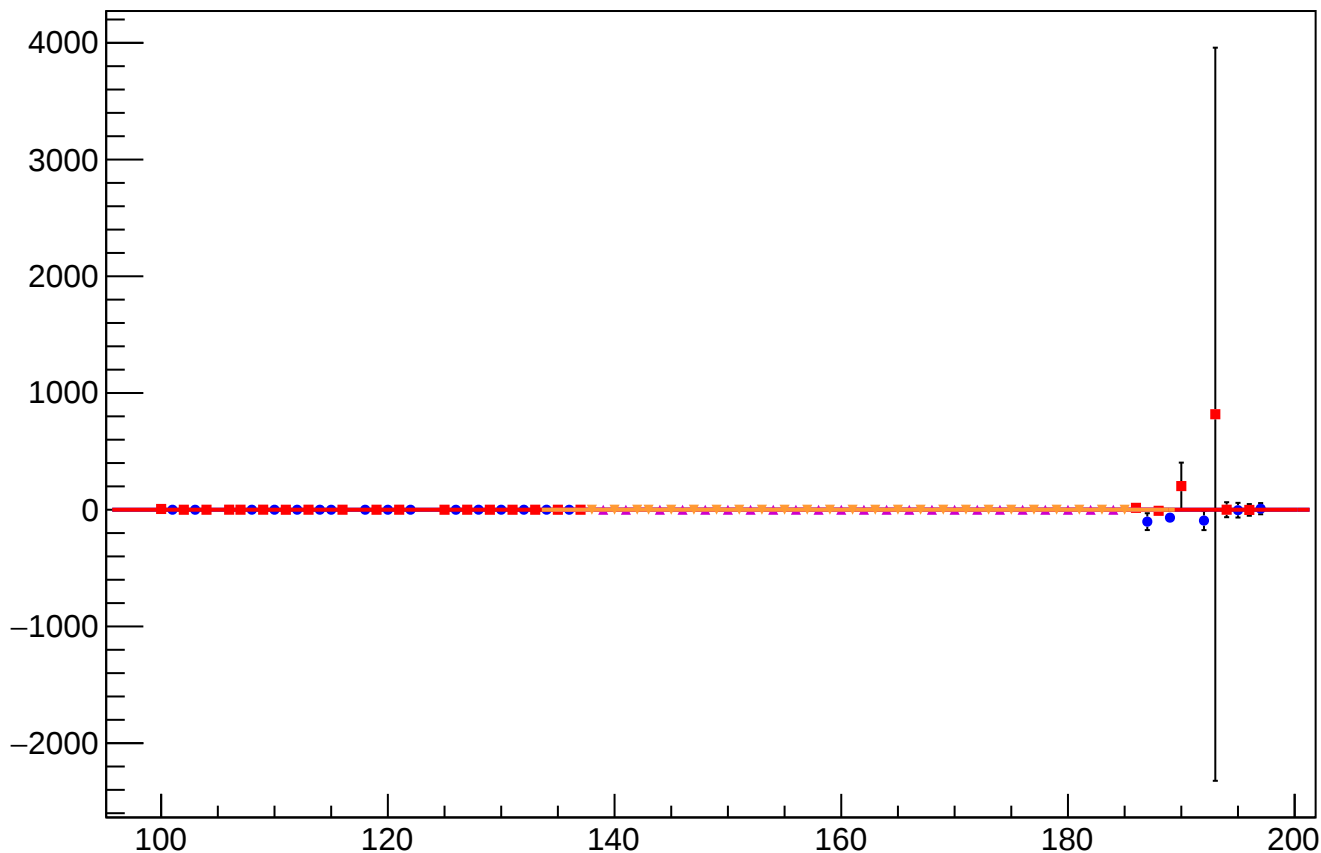
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.059 ± 0.018 χ^2/NDF : 56.5/29

All: -0.035 ± 0.013 χ^2/NDF : 170.2/58

- sign -0.009 ± 0.018 χ^2/NDF : 109.8/28

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.008 $\pm$ 0.023 χ^2 /NDF: 33.0/20

Left Out: -0.010 $\pm$ 0.014 χ^2 /NDF: 29.7/24

Right Out: 0.037 $\pm$ 0.025 χ^2 /NDF: 31.0/23

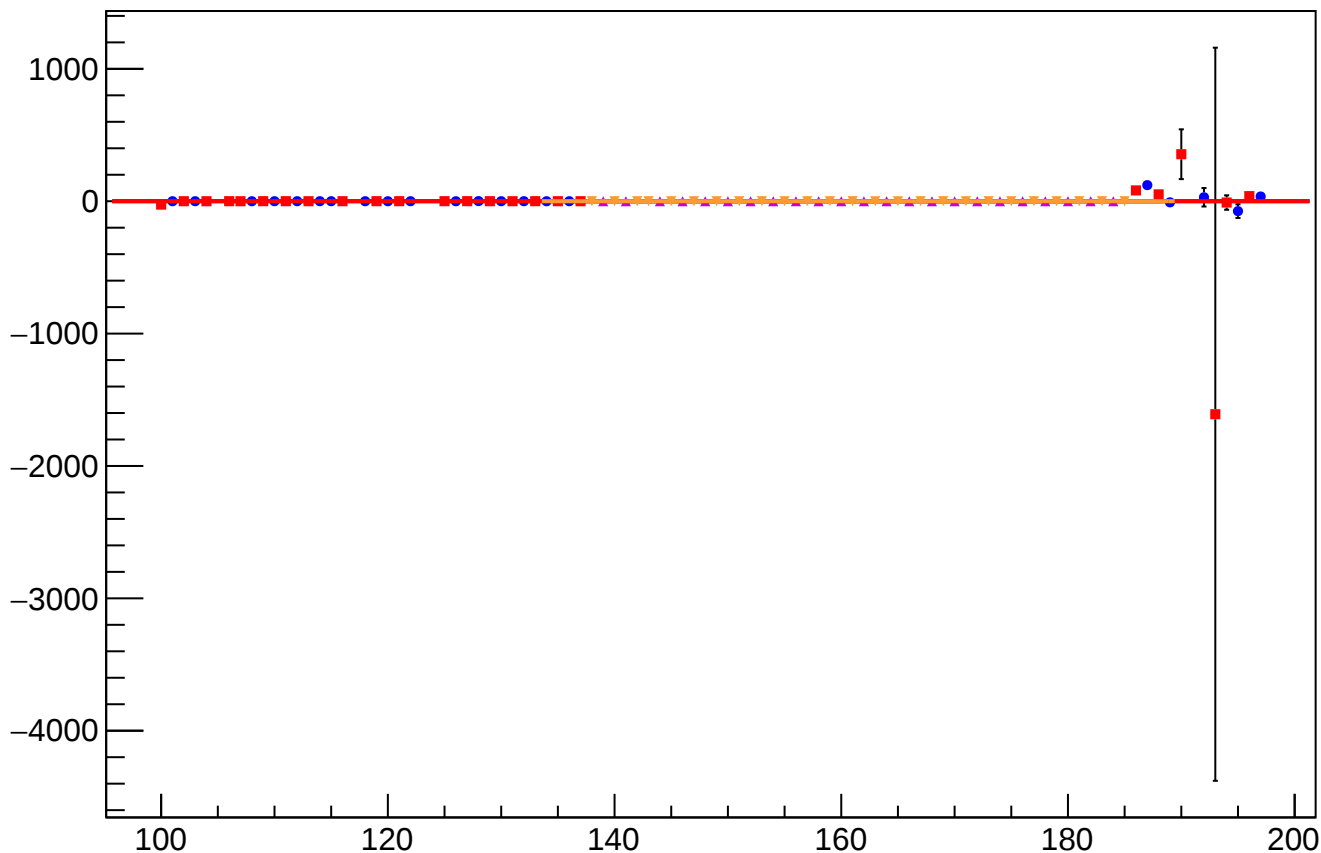
Left In: 0.005 $\pm$ 0.014 χ^2 /NDF: 49.6/22

+ sign -0.005 $\pm$ 0.012 χ^2 /NDF: 63.1/45

All: 0.003 $\pm$ 0.009 χ^2 /NDF: 146.1/92

- sign 0.013 $\pm$ 0.012 χ^2 /NDF: 81.8/46

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 ± 0.043 χ^2/NDF : 44.5/20

Left Out: 0.055 ± 0.018 χ^2/NDF : 41.0/24

Right Out: 0.197 ± 0.045 χ^2/NDF : 107.0/23

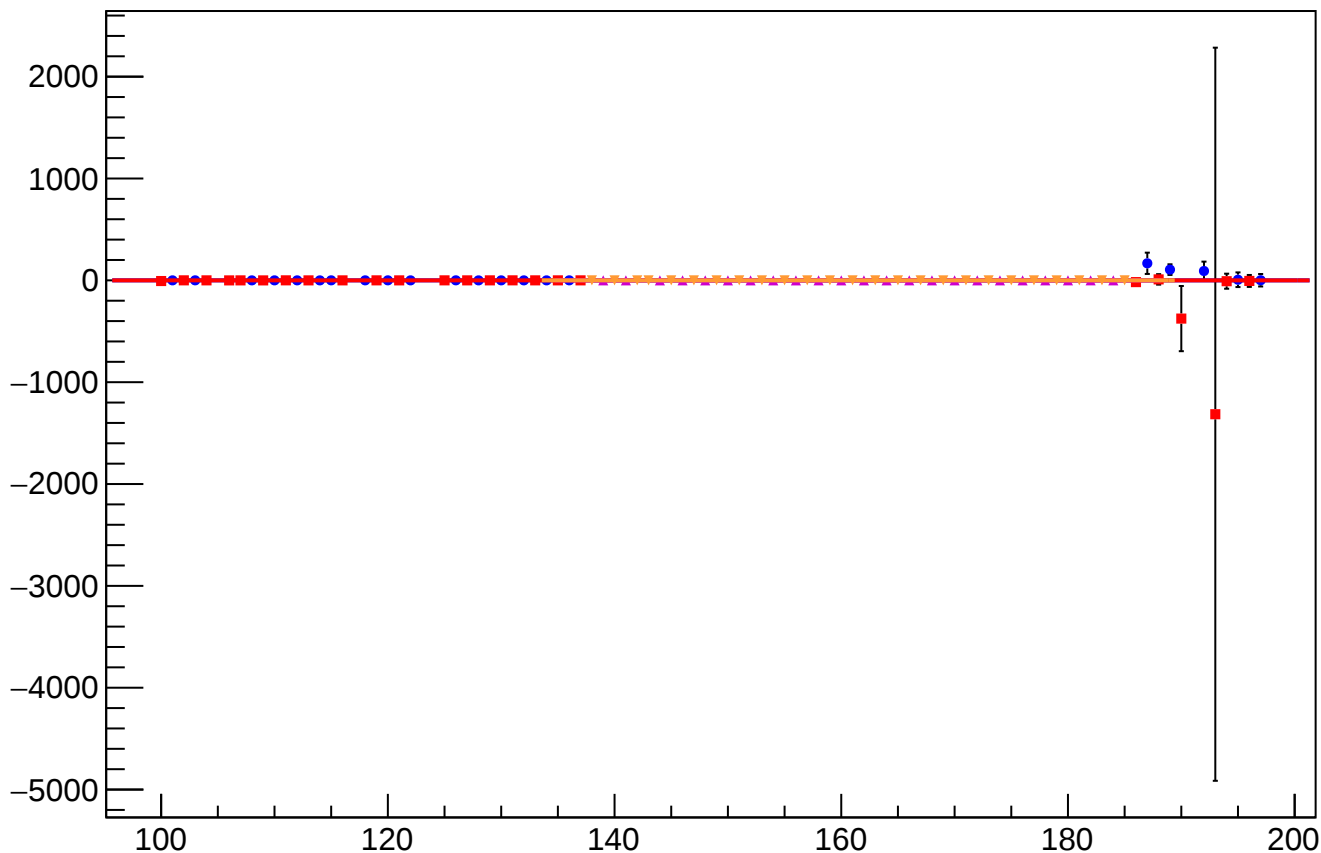
Left In: 0.020 ± 0.018 χ^2/NDF : 35.8/22

+ sign 0.070 ± 0.016 χ^2/NDF : 90.3/45

All: 0.057 ± 0.012 χ^2/NDF : 247.6/92

- sign 0.044 ± 0.017 χ^2/NDF : 156.2/46

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 32.3/20

Left Out: 0.021 ± 0.016 χ^2/NDF : 33.4/24

Right Out: -0.046 ± 0.029 χ^2/NDF : 28.5/23

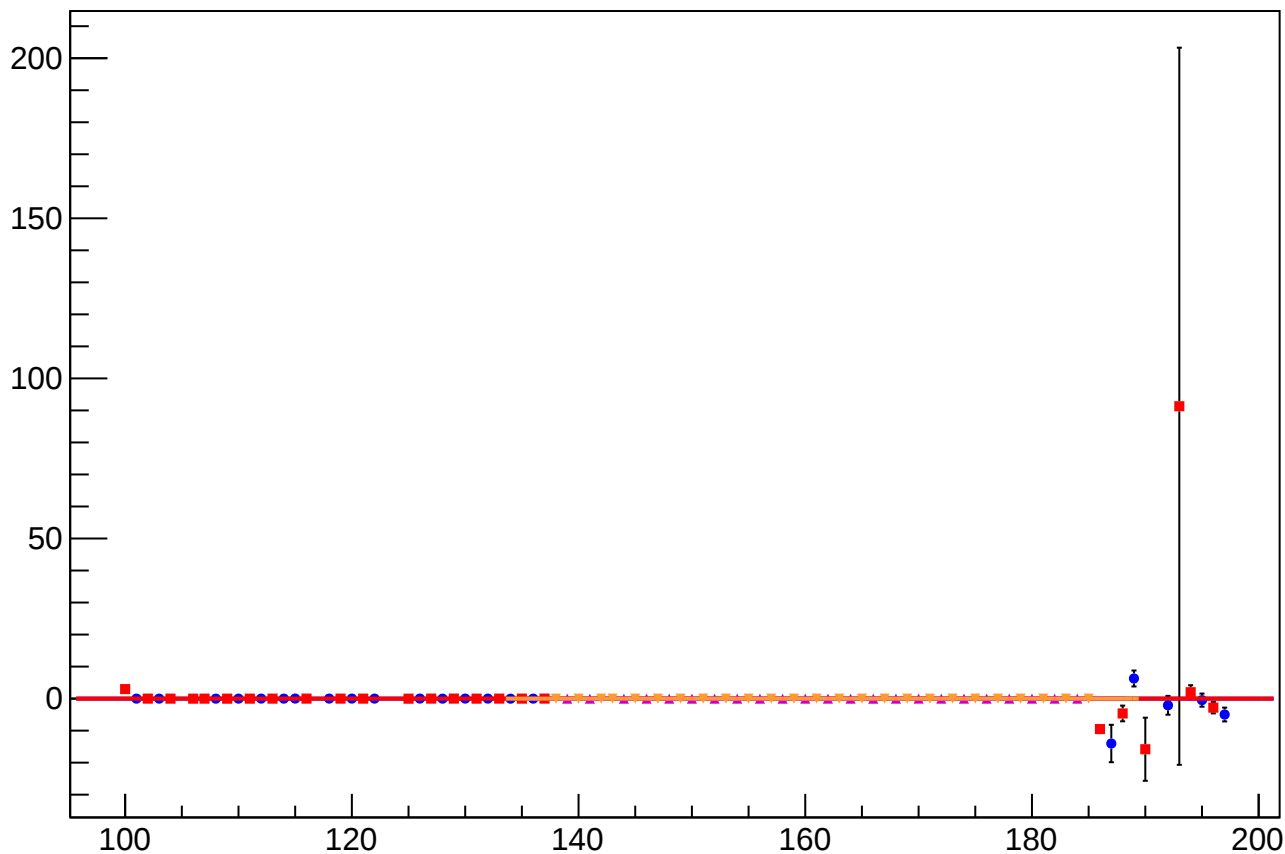
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 66.6/45

All: 0.003 ± 0.010 χ^2/NDF : 148.8/92

- sign -0.007 ± 0.014 χ^2/NDF : 81.1/46

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 $\pm$ 0.001 χ^2 /NDF: 45.4/20

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF: 32.7/24

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 212.9/23

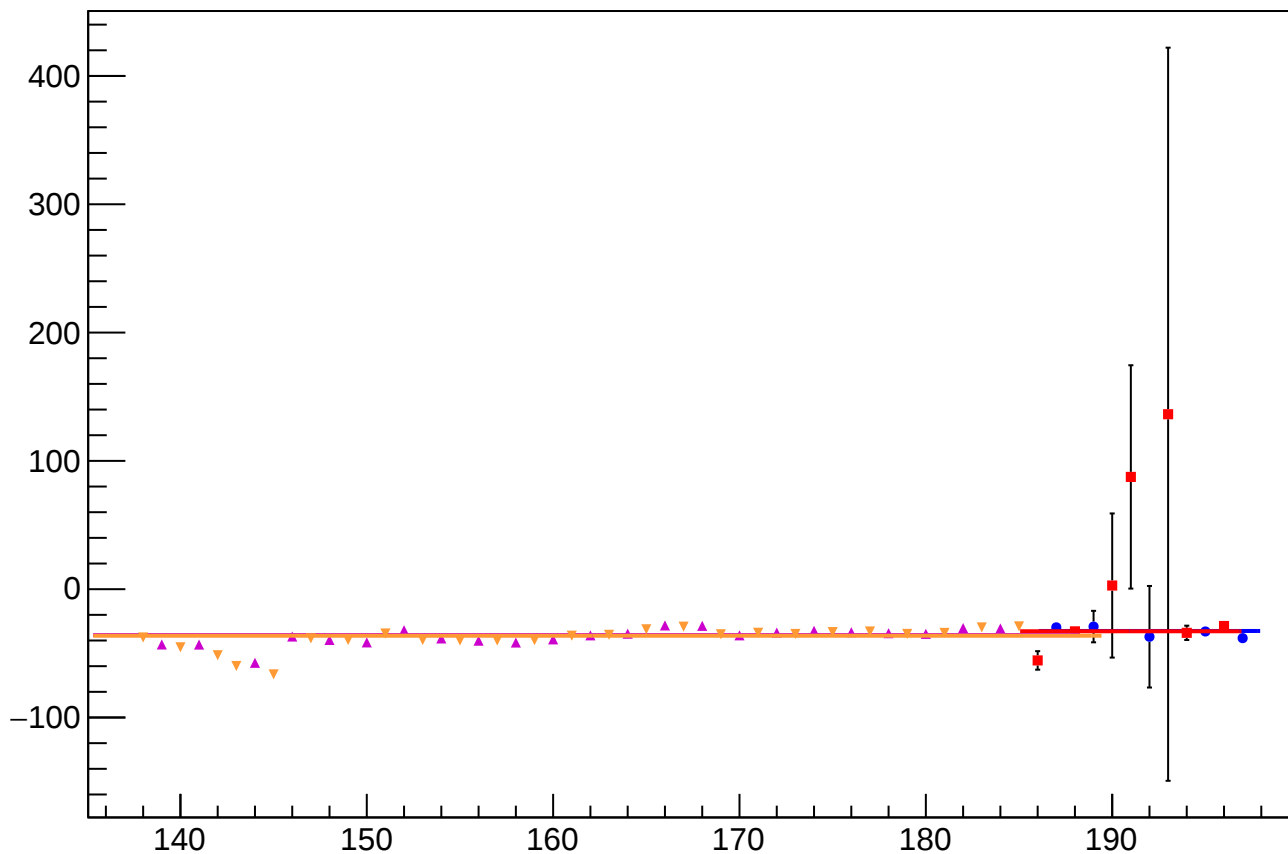
Left In: -0.009 $\pm$ 0.001 χ^2 /NDF: 37.2/22

+ sign -0.008 $\pm$ 0.001 χ^2 /NDF: 79.6/45

All: -0.008 $\pm$ 0.000 χ^2 /NDF: 333.0/92

- sign -0.008 $\pm$ 0.001 χ^2 /NDF: 253.1/46

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -32.560 ± 1.333 $\chi^2/\text{NDF}: 6.6/4$

Left Out: -36.243 ± 0.191 $\chi^2/\text{NDF}: 1193.9/24$

Right Out: -32.789 ± 1.059 $\chi^2/\text{NDF}: 14.7/6$

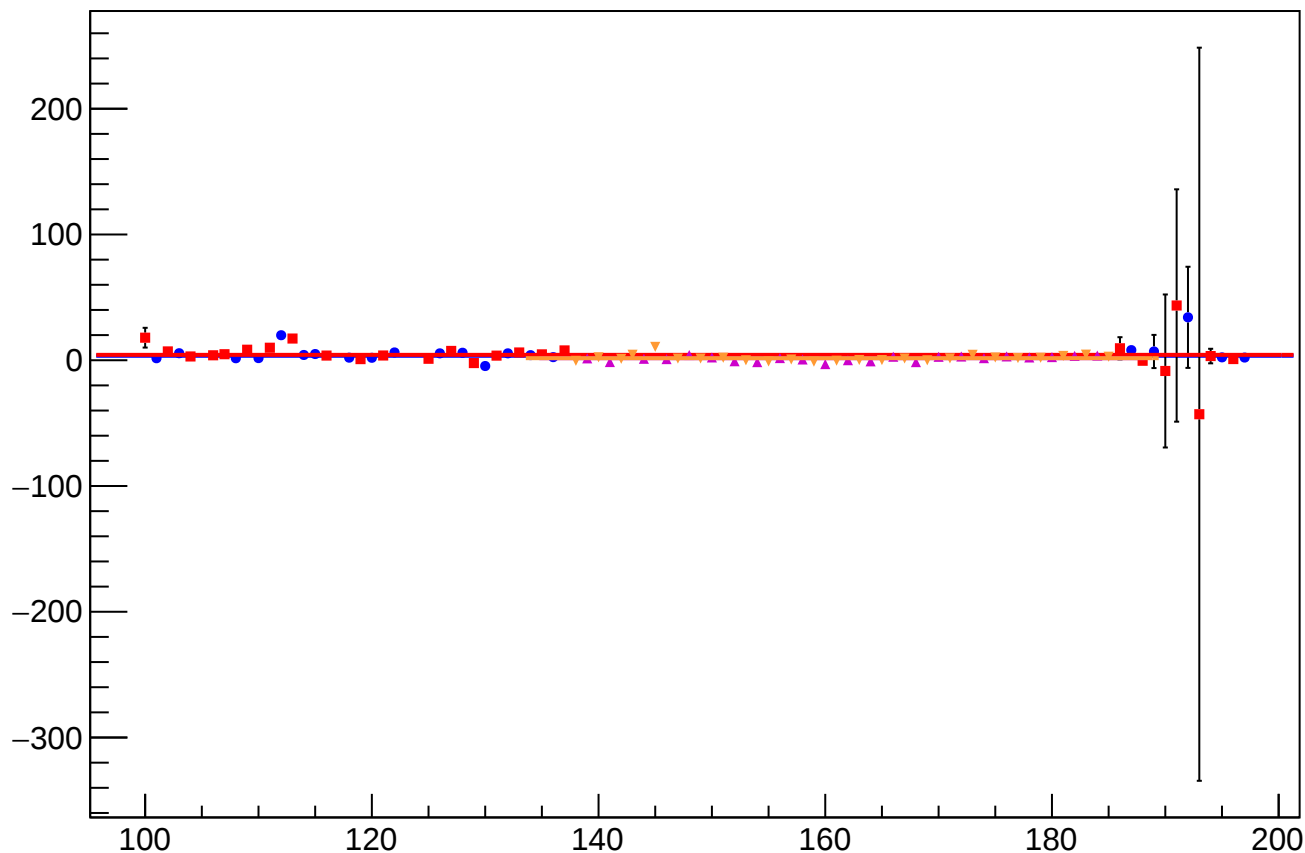
Left In: -35.779 ± 0.191 $\chi^2/\text{NDF}: 854.1/22$

+ sign -36.169 ± 0.189 $\chi^2/\text{NDF}: 1208.0/29$

All: -35.925 ± 0.134 $\chi^2/\text{NDF}: 2087.8/59$

- sign -35.685 ± 0.188 $\chi^2/\text{NDF}: 876.5/29$

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.564 $\pm$ 0.219 χ^2 /NDF: 443.2/20

Left Out: 1.652 $\pm$ 0.147 χ^2 /NDF:168.8/24

Right Out: 4.293 $\pm$ 0.223 χ^2 /NDF: 361.2/24

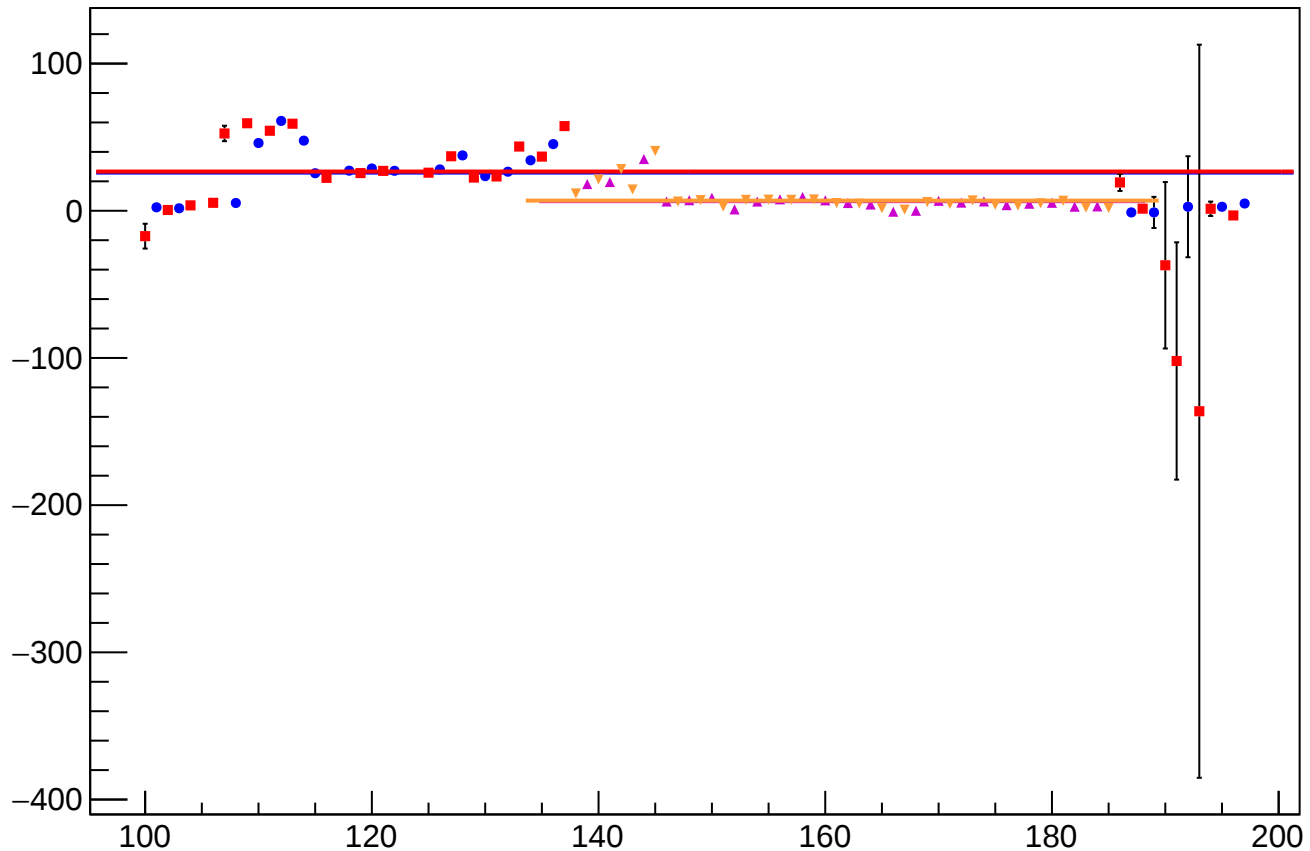
Left In: 1.641 $\pm$ 0.150 χ^2 /NDF:163.2/22

+ sign 2.248 $\pm$ 0.122 χ^2 /NDF: 664.4/45

All: 2.354 $\pm$ 0.087 χ^2 /NDF: 1288.0/93

- sign 2.464 $\pm$ 0.124 χ^2 /NDF: 622.1/47

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 25.934 $\pm$ 0.393 χ^2 /NDF: 2063.8/20

Left Out: 6.900 $\pm$ 0.191 χ^2 /NDF: 1302.8/24

Right Out: 26.656 $\pm$ 0.380 χ^2 /NDF: 2755.5/24

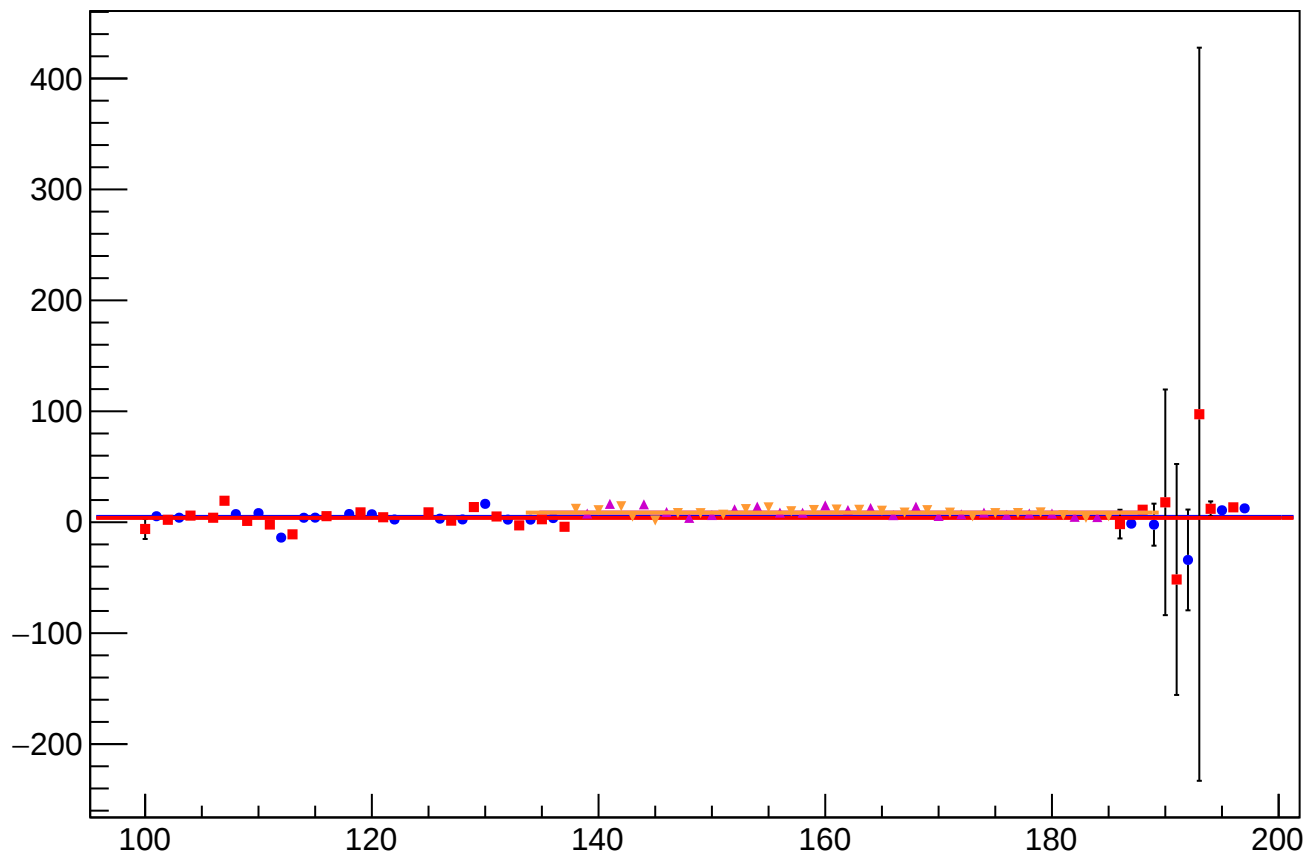
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.537 $\pm$ 0.172 χ^2 /NDF: 5264.7/45

All: 10.553 $\pm$ 0.121 χ^2 /NDF: 11284.0/93

- sign 10.569 $\pm$ 0.170 χ^2 /NDF: 6019.3/47

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.794 ± 0.253 χ^2/NDF : 556.5/20

Left Out: 8.674 ± 0.168 χ^2/NDF : 243.7/24

Right Out: 3.907 ± 0.257 χ^2/NDF : 580.3/24

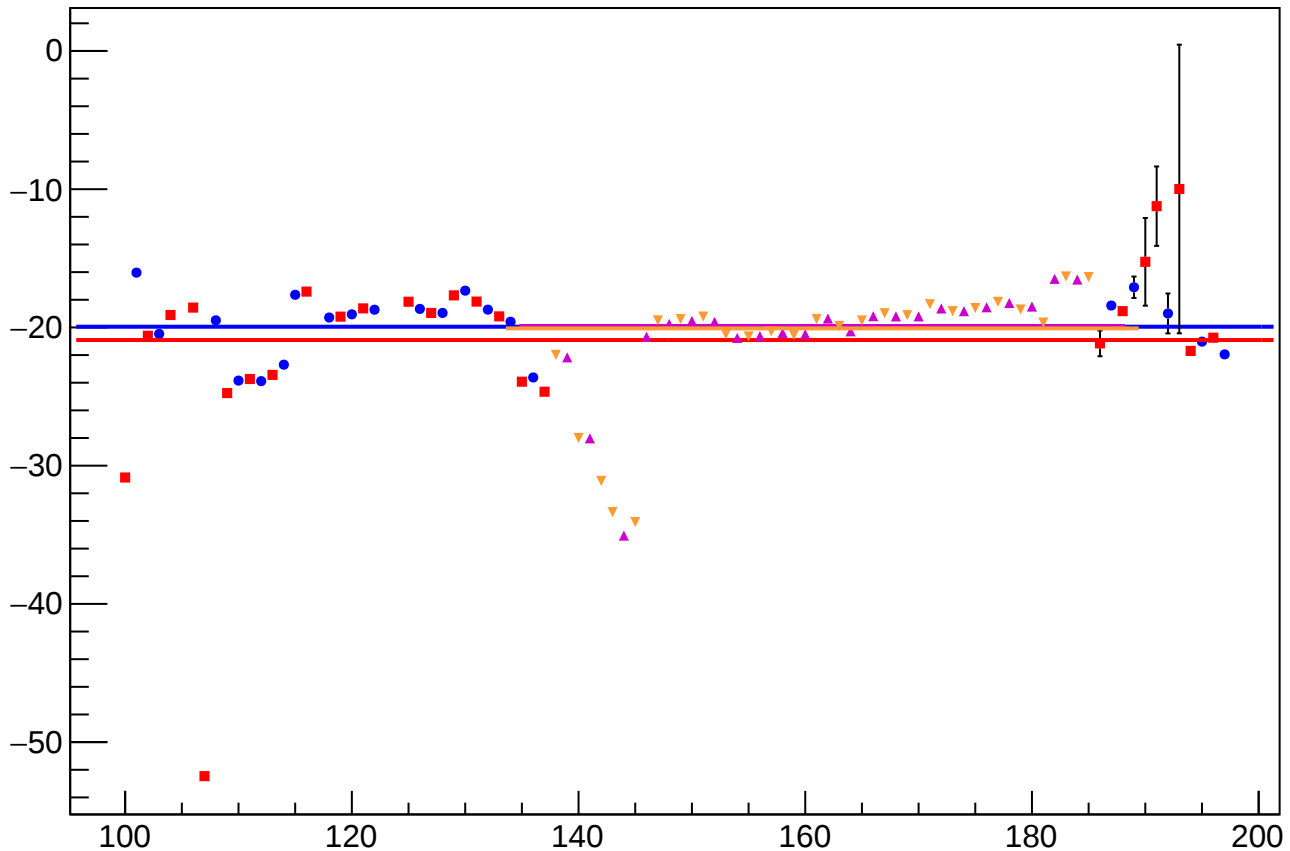
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.480 ± 0.140 χ^2/NDF : 963.2/45

All: 7.350 ± 0.100 χ^2/NDF : 2220.6/93

- sign 7.217 ± 0.142 χ^2/NDF : 1255.6/47

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.949 ± 0.015 $\chi^2/\text{NDF}: 26443.2/20$

Left Out: -20.069 ± 0.008 $\chi^2/\text{NDF}: 185373.7/24$

Right Out: -20.912 ± 0.015 $\chi^2/\text{NDF}: 94235.7/24$

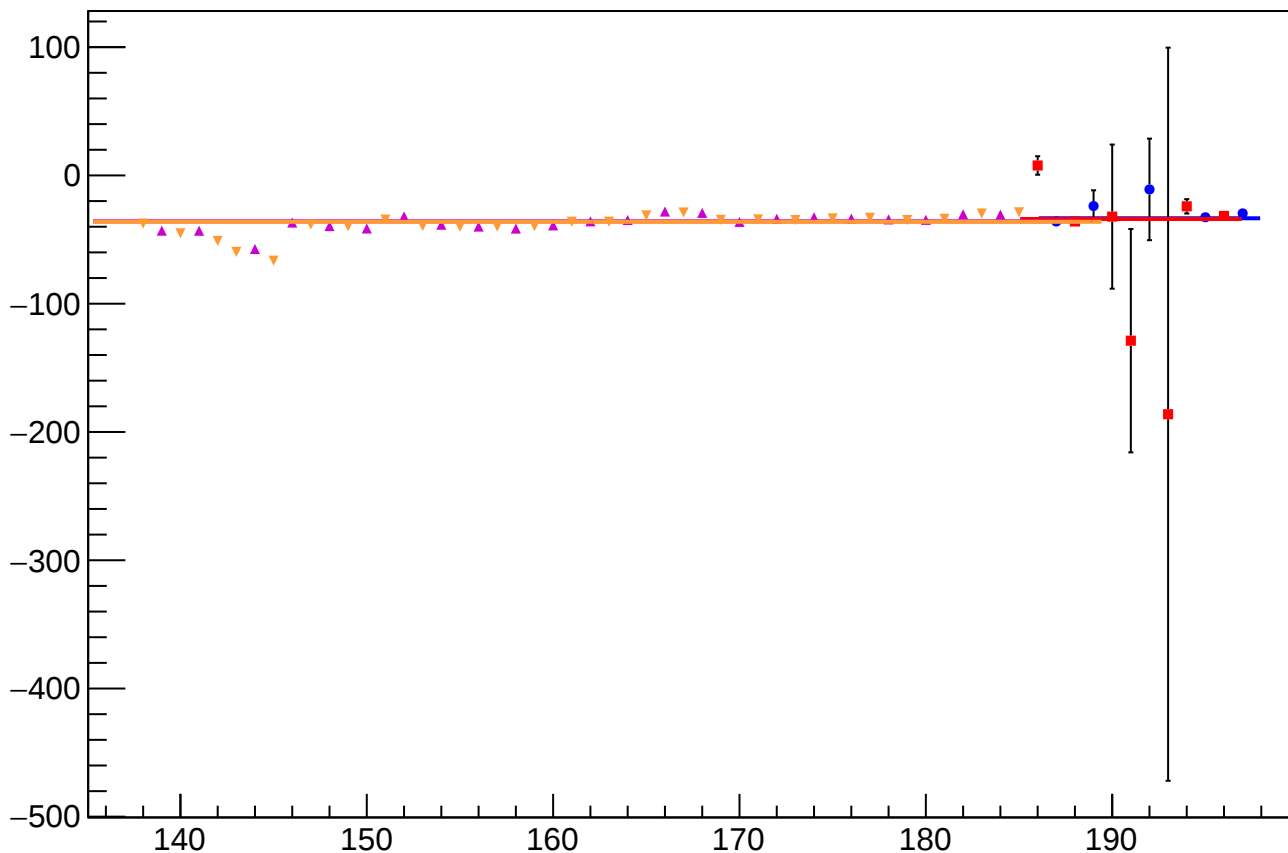
Left In: -19.898 ± 0.008 $\chi^2/\text{NDF}: 144191.9/22$

+ sign -20.044 ± 0.007 $\chi^2/\text{NDF}: 211865.5/45$

All: -20.075 ± 0.005 $\chi^2/\text{NDF}: 453754.2/93$

- sign -20.105 ± 0.007 $\chi^2/\text{NDF}: 241850.1/47$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.414 $\pm$ 1.338 χ^2 /NDF: 4.8/4

Left Out: -36.152 $\pm$ 0.191 χ^2 /NDF: 1199.2/24

Right Out: -33.959 $\pm$ 1.062 χ^2 /NDF: 41.4/6

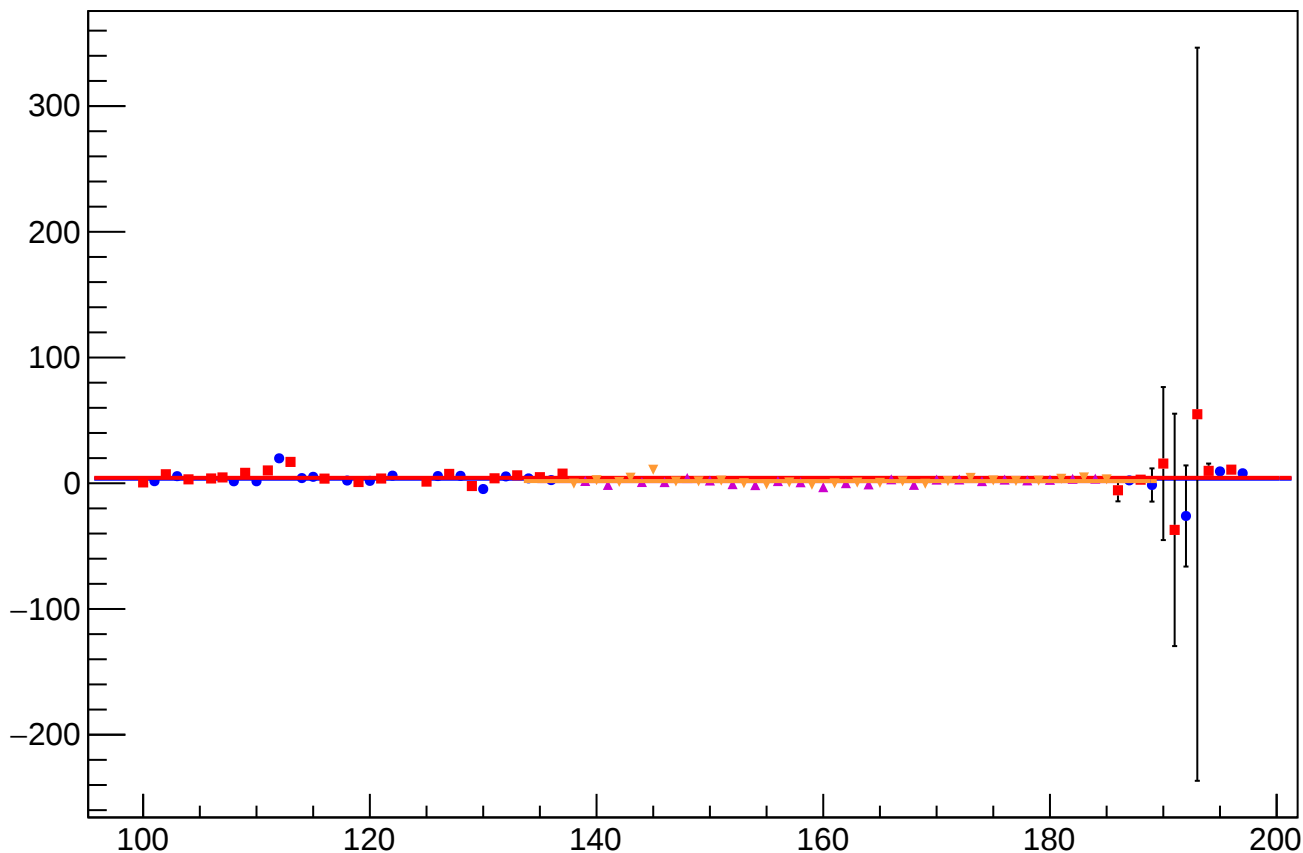
Left In: -35.766 $\pm$ 0.191 χ^2 /NDF: 842.6/22

+ sign -36.097 $\pm$ 0.189 χ^2 /NDF: 1208.1/29

All: -35.902 $\pm$ 0.133 χ^2 /NDF: 2097.0/59

- sign -35.710 $\pm$ 0.188 χ^2 /NDF: 886.8/29

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.602 ± 0.219 χ^2/NDF : 443.6/20

Left Out: 1.741 ± 0.147 χ^2/NDF : 170.2/24

Right Out: 4.319 ± 0.219 χ^2/NDF : 359.2/24

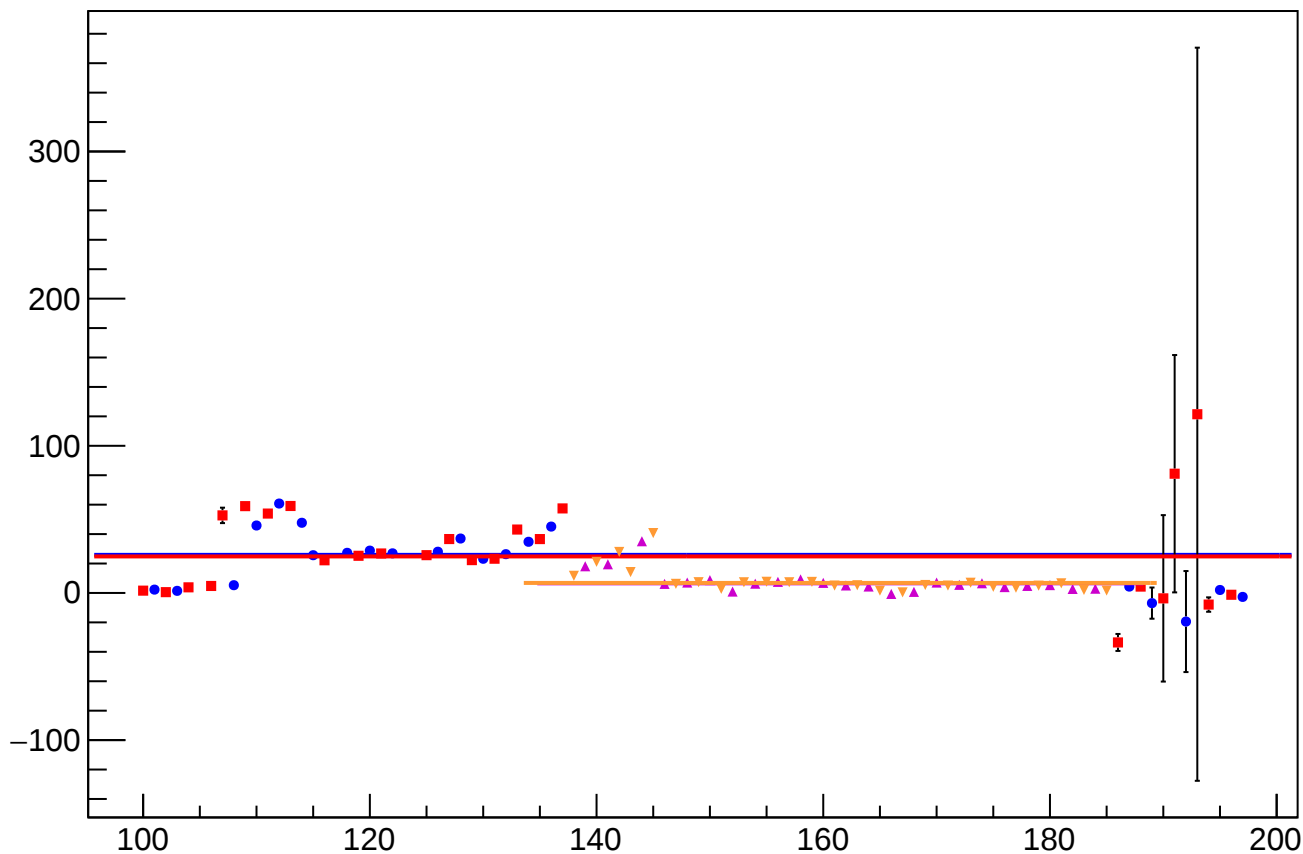
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.321 ± 0.122 χ^2/NDF : 663.6/45

All: 2.427 ± 0.087 χ^2/NDF : 1284.4/93

- sign 2.535 ± 0.123 χ^2/NDF : 619.3/47

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 25.885 ± 0.393 χ^2/NDF : 2025.6/20

Left Out: 6.813 ± 0.191 χ^2/NDF : 1304.5/24

Right Out: 24.822 ± 0.365 χ^2/NDF : 2998.8/24

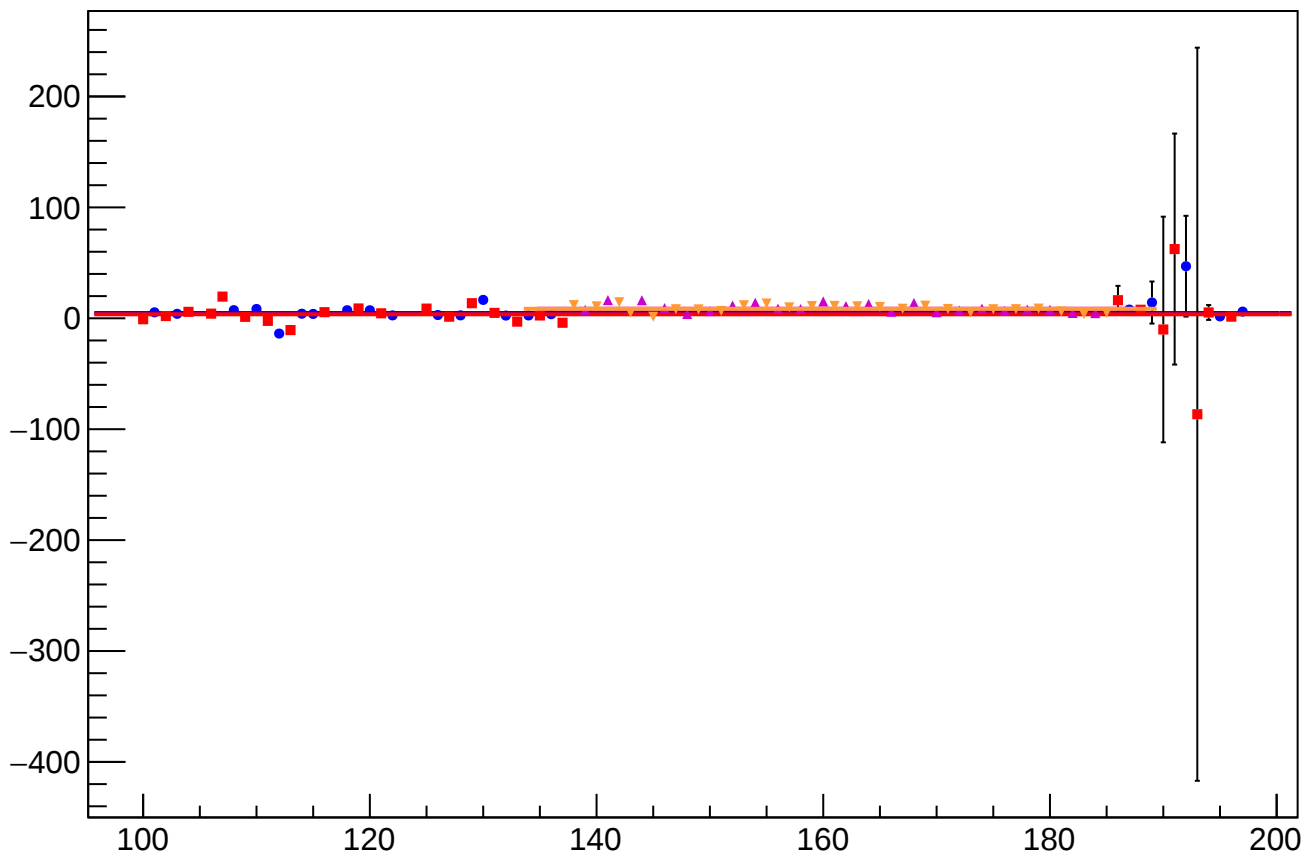
Left In: 6.532 ± 0.190 χ^2/NDF : 1018.2/22

+ sign 10.454 ± 0.172 χ^2/NDF : 5236.8/45

All: 10.444 ± 0.120 χ^2/NDF : 11225.0/93

- sign 10.434 ± 0.169 χ^2/NDF : 5988.2/47

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.755 $\pm$ 0.253 χ^2 /NDF: 545.4/20

Left Out: 8.565 $\pm$ 0.168 χ^2 /NDF: 248.1/24

Right Out: 3.605 $\pm$ 0.253 χ^2 /NDF: 574.3/24

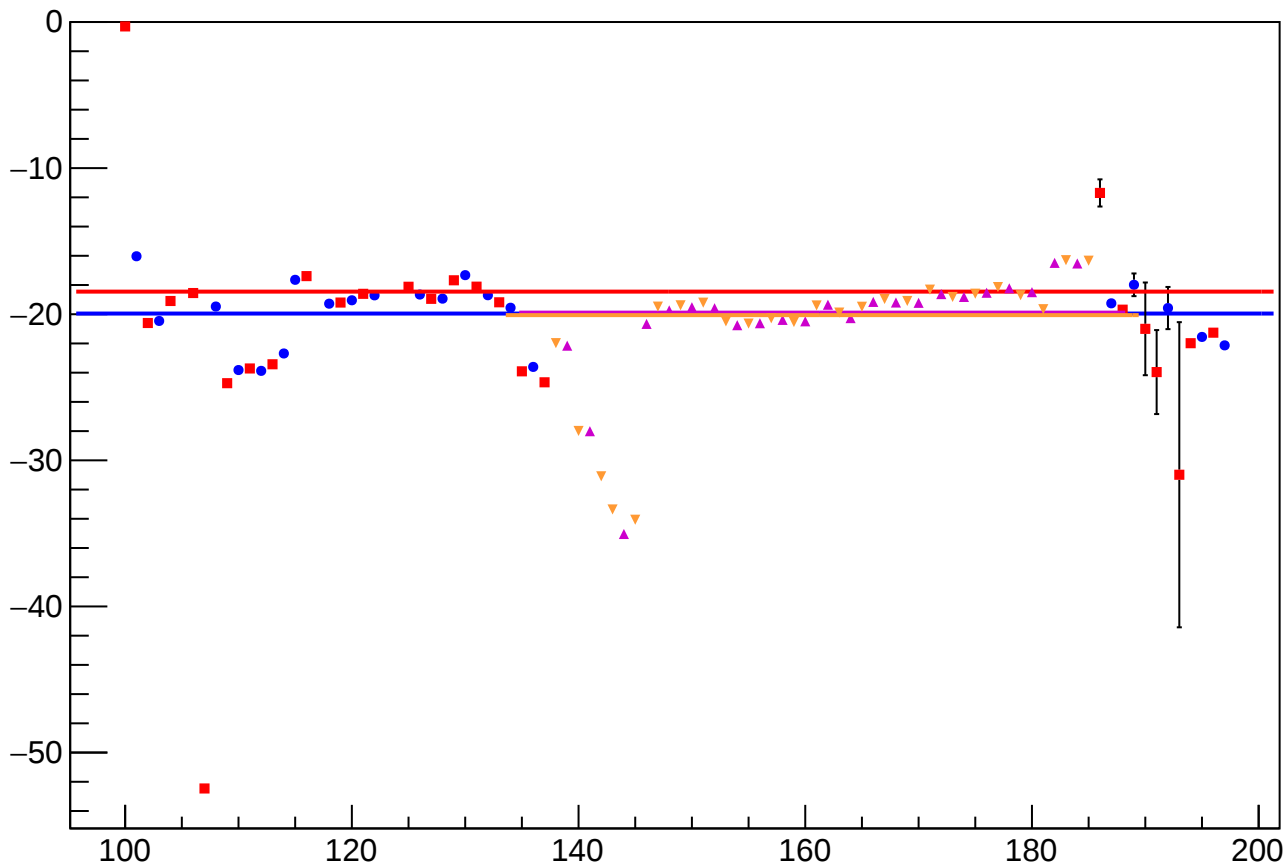
Left In: 8.585 $\pm$ 0.170 χ^2 /NDF: 441.8/22

+ sign 7.393 $\pm$ 0.140 χ^2 /NDF: 951.0/45

All: 7.214 $\pm$ 0.099 χ^2 /NDF: 2237.6/93

- sign 7.033 $\pm$ 0.141 χ^2 /NDF: 1283.3/47

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.953 ± 0.015 $\chi^2/\text{NDF}: 26563.3/20$

Left Out: -20.061 ± 0.008 $\chi^2/\text{NDF}: 185580.2/24$

Right Out: -18.452 ± 0.015 $\chi^2/\text{NDF}: 302035.2/24$

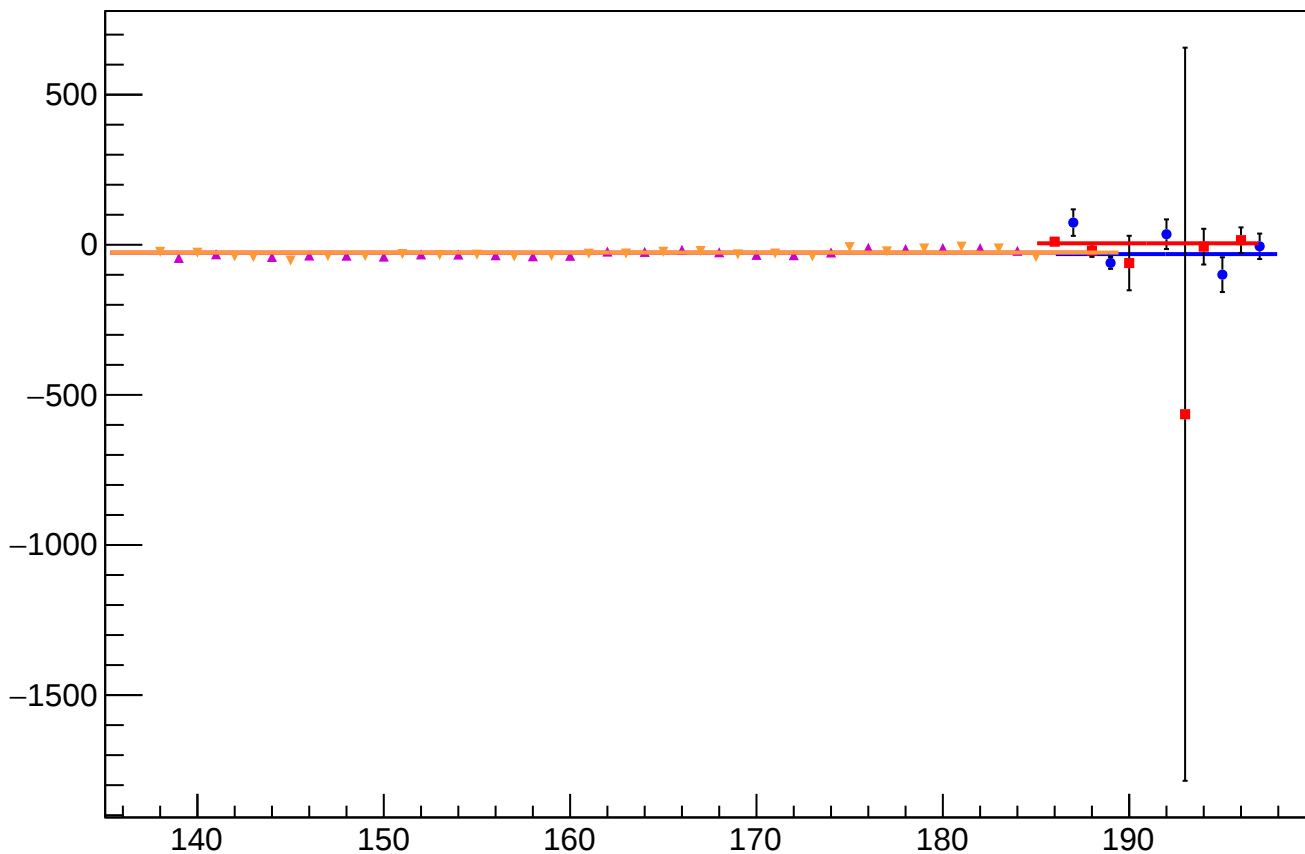
Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -20.039 ± 0.007 $\chi^2/\text{NDF}: 212182.7/45$

All: -19.799 ± 0.005 $\chi^2/\text{NDF}: 668164.5/93$

- sign -19.567 ± 0.007 $\chi^2/\text{NDF}: 453671.8/47$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -31.047 ± 15.198 χ^2/NDF : 11.4/4

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 4.902 ± 8.315 χ^2/NDF : 2.5/5

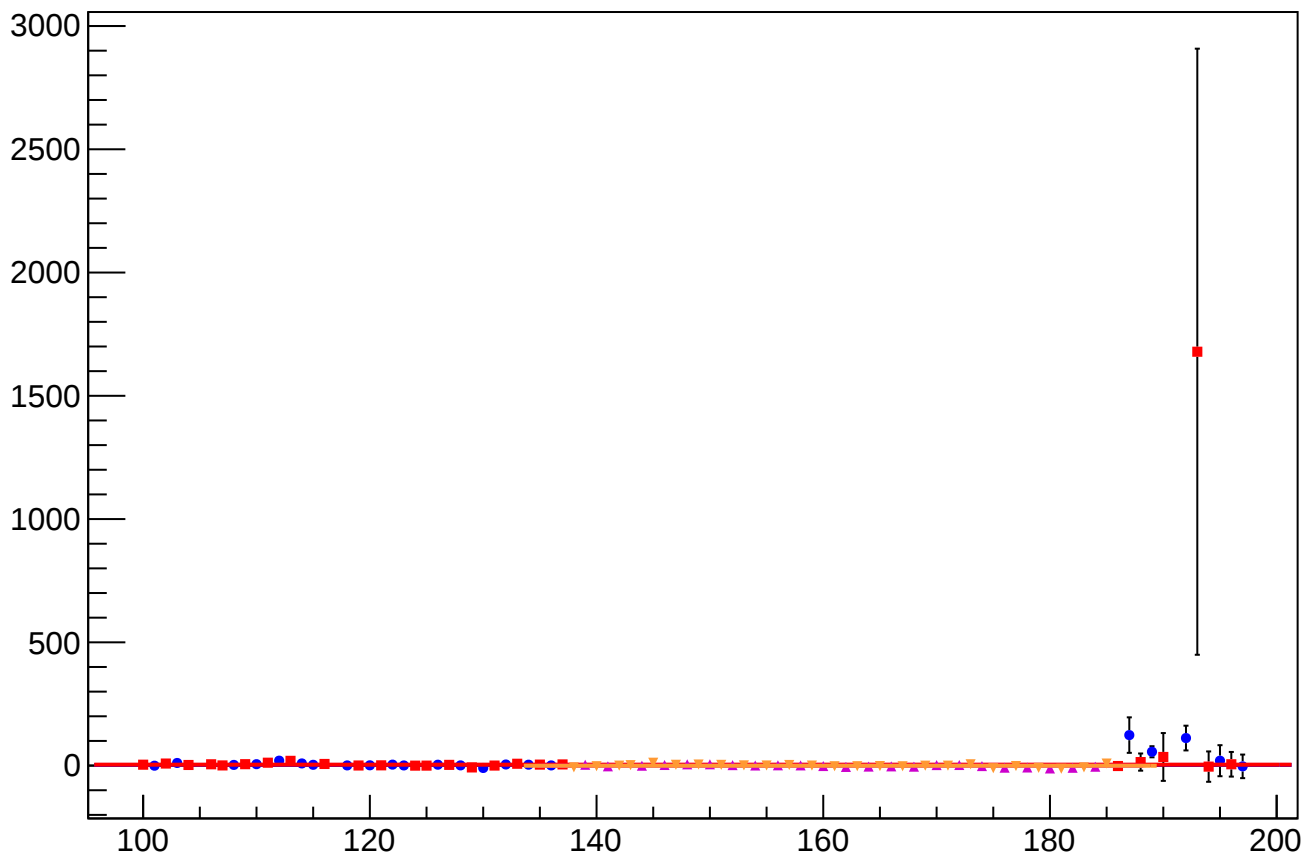
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.885 ± 0.192 χ^2/NDF : 4169.5/29

All: -25.959 ± 0.137 χ^2/NDF : 7465.7/58

- sign -26.035 ± 0.195 χ^2/NDF : 3295.9/28

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.472 ± 0.315 χ^2/NDF : 307.7/21

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.710 ± 0.327 χ^2/NDF : 271.4/24

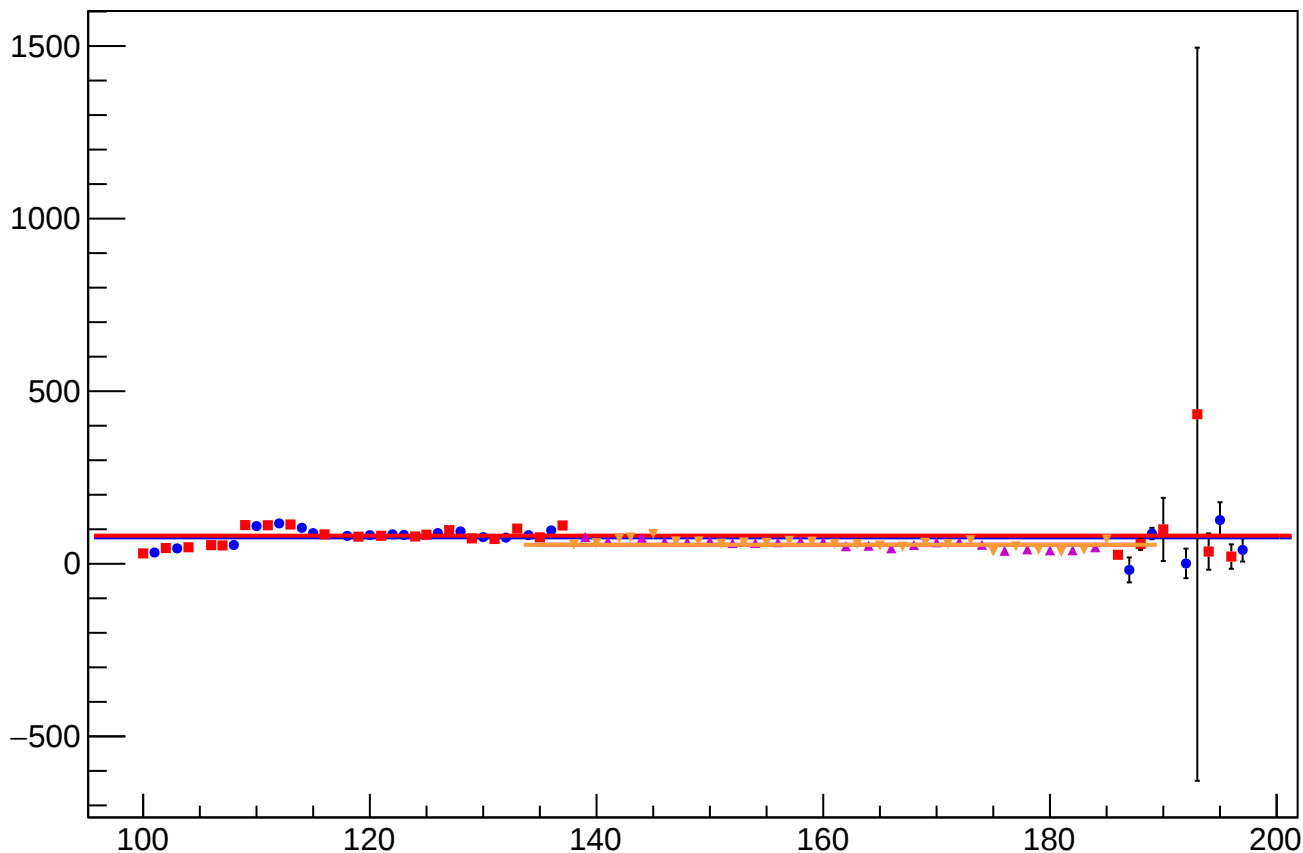
Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

+ sign -0.100 ± 0.133 χ^2/NDF : 1709.6/46

All: -0.082 ± 0.095 χ^2/NDF : 3209.4/94

- sign -0.063 ± 0.137 χ^2/NDF : 1499.7/47

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.526 $\pm$ 0.576 χ^2 /NDF: 2265.2/21

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.495 $\pm$ 0.591 χ^2 /NDF: 1630.5/24

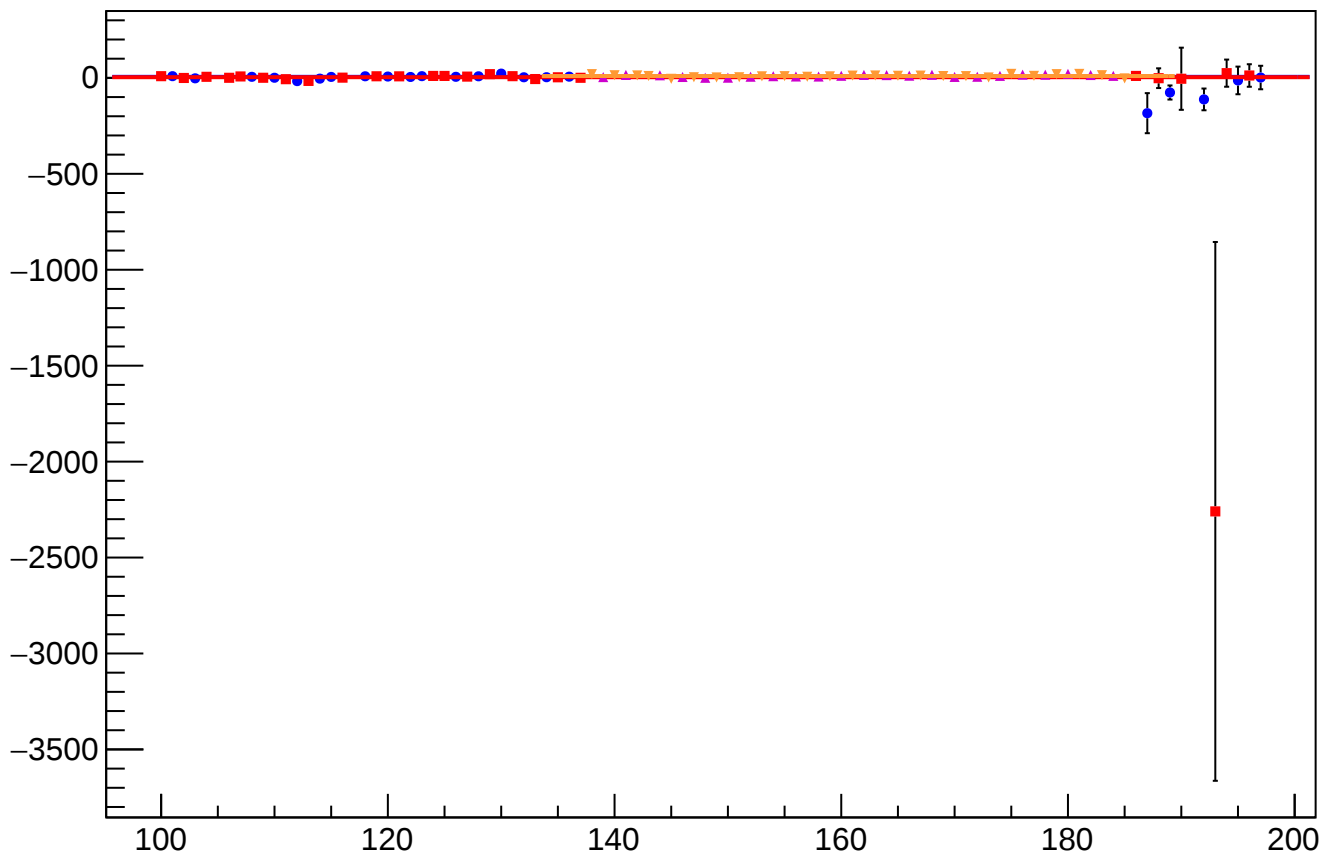
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.228 $\pm$ 0.182 χ^2 /NDF: 8089.5/46

All: 57.427 $\pm$ 0.129 χ^2 /NDF: 15233.3/94

- sign 57.631 $\pm$ 0.184 χ^2 /NDF: 7141.3/47

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.412 ± 0.361 χ^2/NDF : 398.3/21

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.586 ± 0.375 χ^2/NDF : 424.5/24

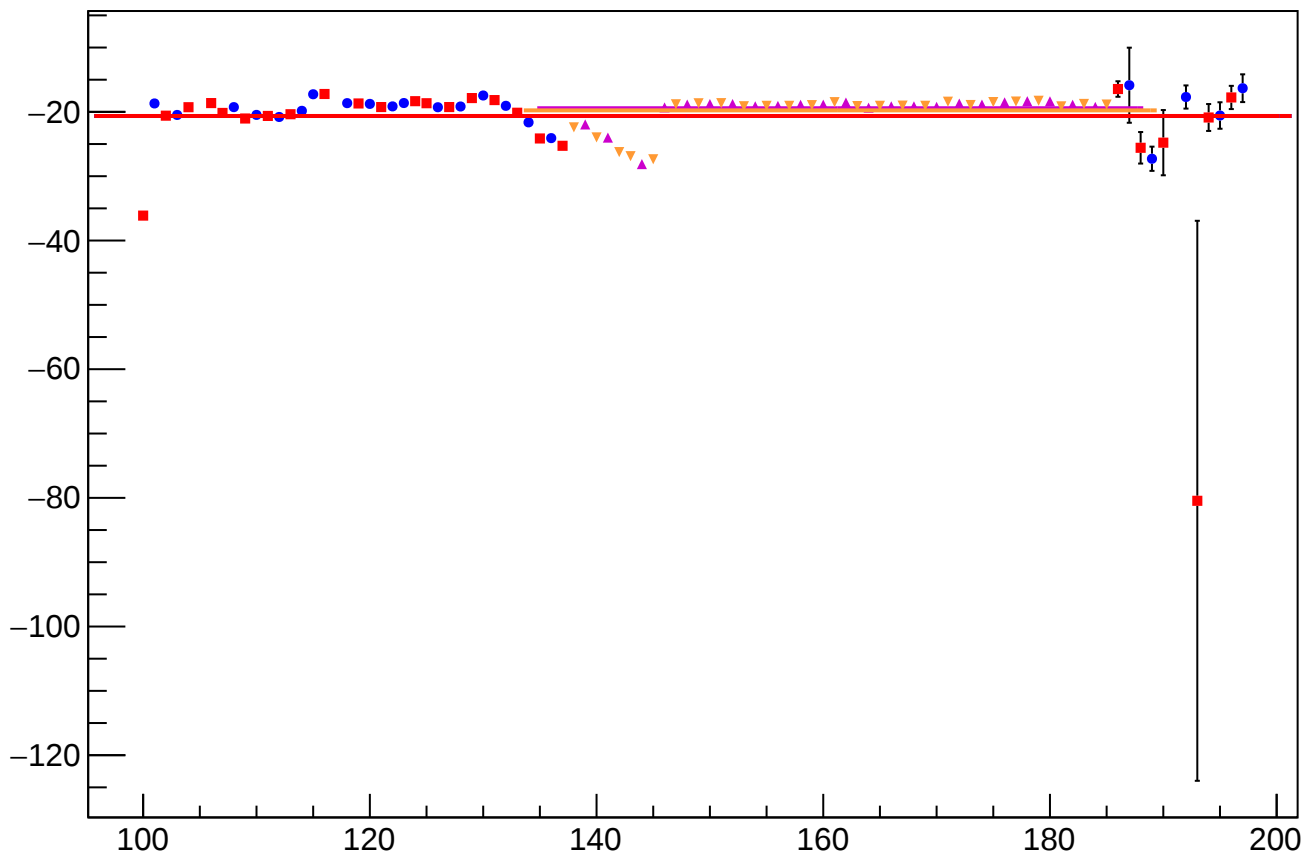
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.968 ± 0.152 χ^2/NDF : 1966.6/46

All: 8.852 ± 0.109 χ^2/NDF : 3777.8/94

- sign 8.728 ± 0.156 χ^2/NDF : 1810.1/47

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 χ^2/NDF : 12444.0/21

Left Out: -19.767 ± 0.008 χ^2/NDF : 91617.3/24

Right Out: -20.639 ± 0.019 χ^2/NDF : 13807.1/24

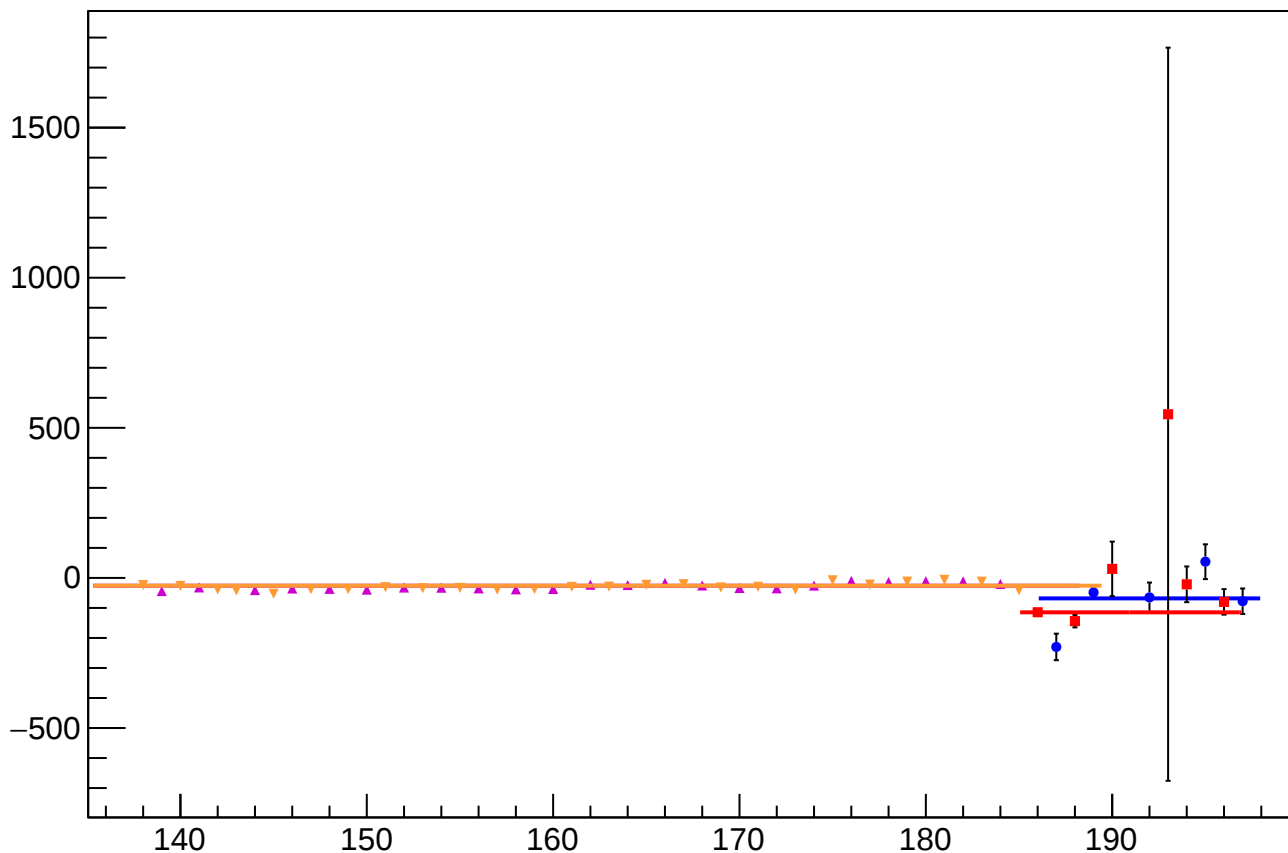
Left In: -19.435 ± 0.008 χ^2/NDF : 53170.9/22

+ sign -19.892 ± 0.007 χ^2/NDF : 105822.8/46

All: -19.751 ± 0.005 χ^2/NDF : 176828.7/94

- sign -19.607 ± 0.007 χ^2/NDF : 70253.6/47

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -68.226 ± 15.210 χ^2/NDF : 18.9/4

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -114.653 ± 8.321 χ^2/NDF : 7.9/5

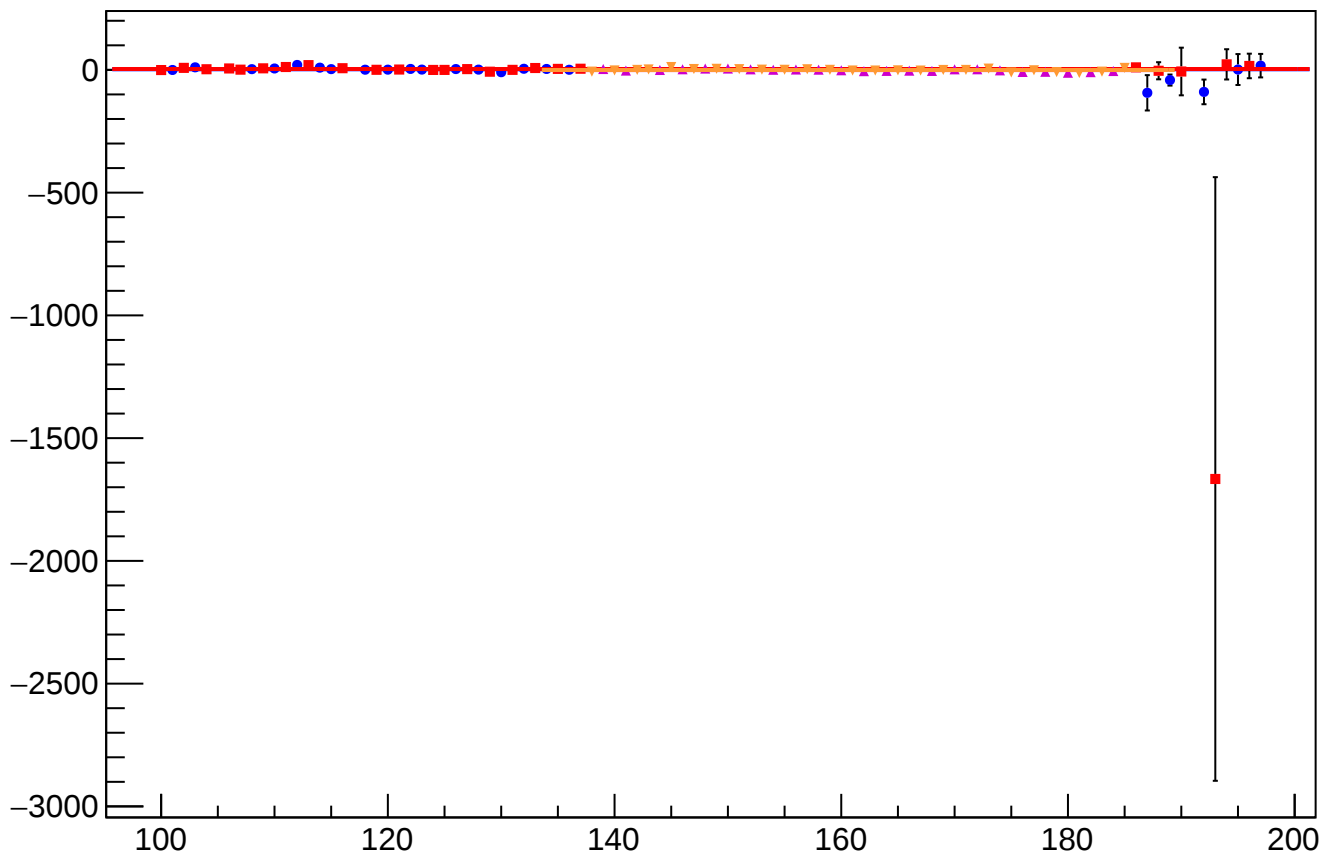
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.906 ± 0.192 χ^2/NDF : 4154.2/29

All: -25.999 ± 0.137 χ^2/NDF : 7522.6/58

- sign -26.095 ± 0.195 χ^2/NDF : 3368.0/28

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.442 ± 0.315 χ^2/NDF : 301.4/21

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.597 ± 0.318 χ^2/NDF : 282.4/24

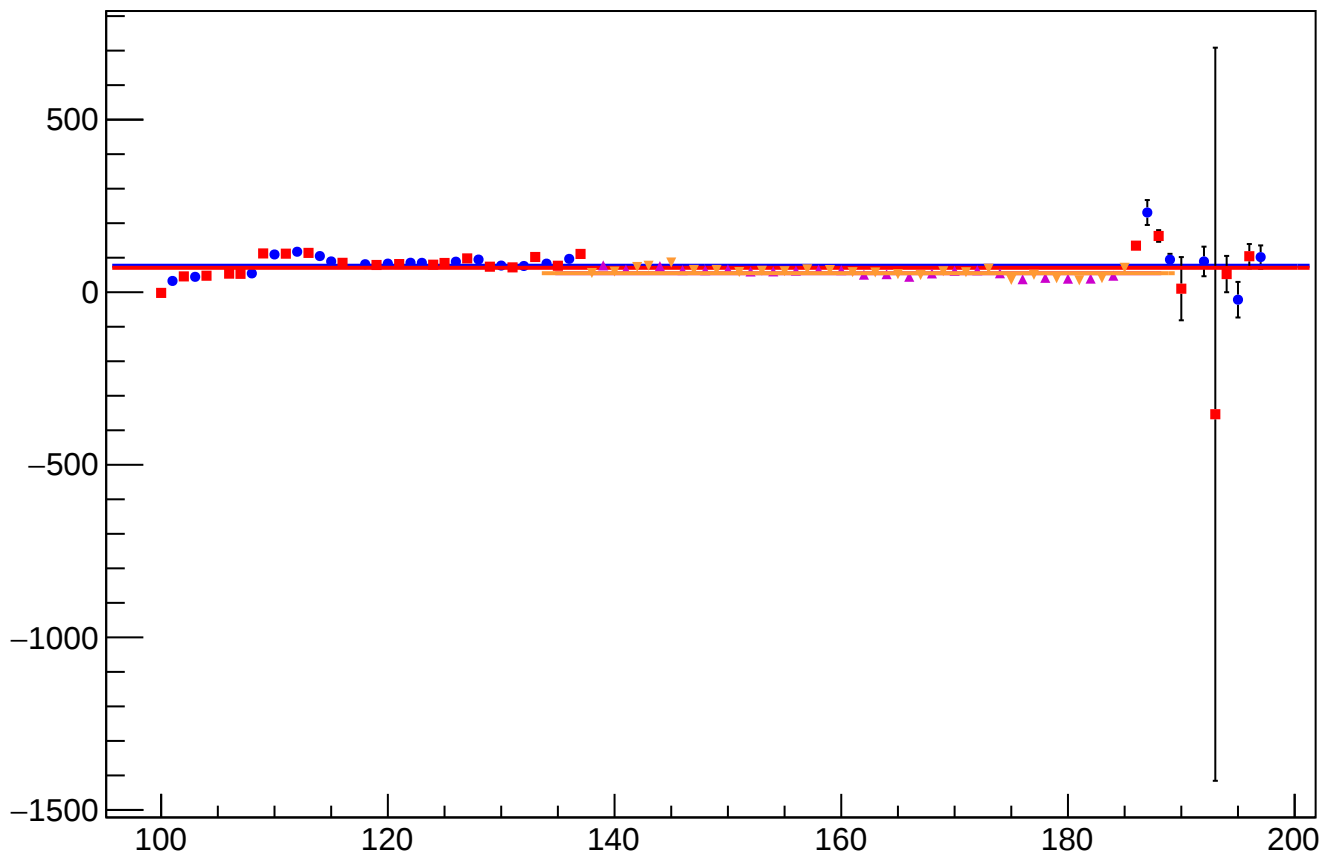
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1688.6/46

All: -0.025 ± 0.095 χ^2/NDF : 3233.3/94

- sign 0.009 ± 0.136 χ^2/NDF : 1544.5/47

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.733 $\pm$ 0.577 χ^2 /NDF: 2288.5/21

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.755 $\pm$ 0.549 χ^2 /NDF: 4490.8/24

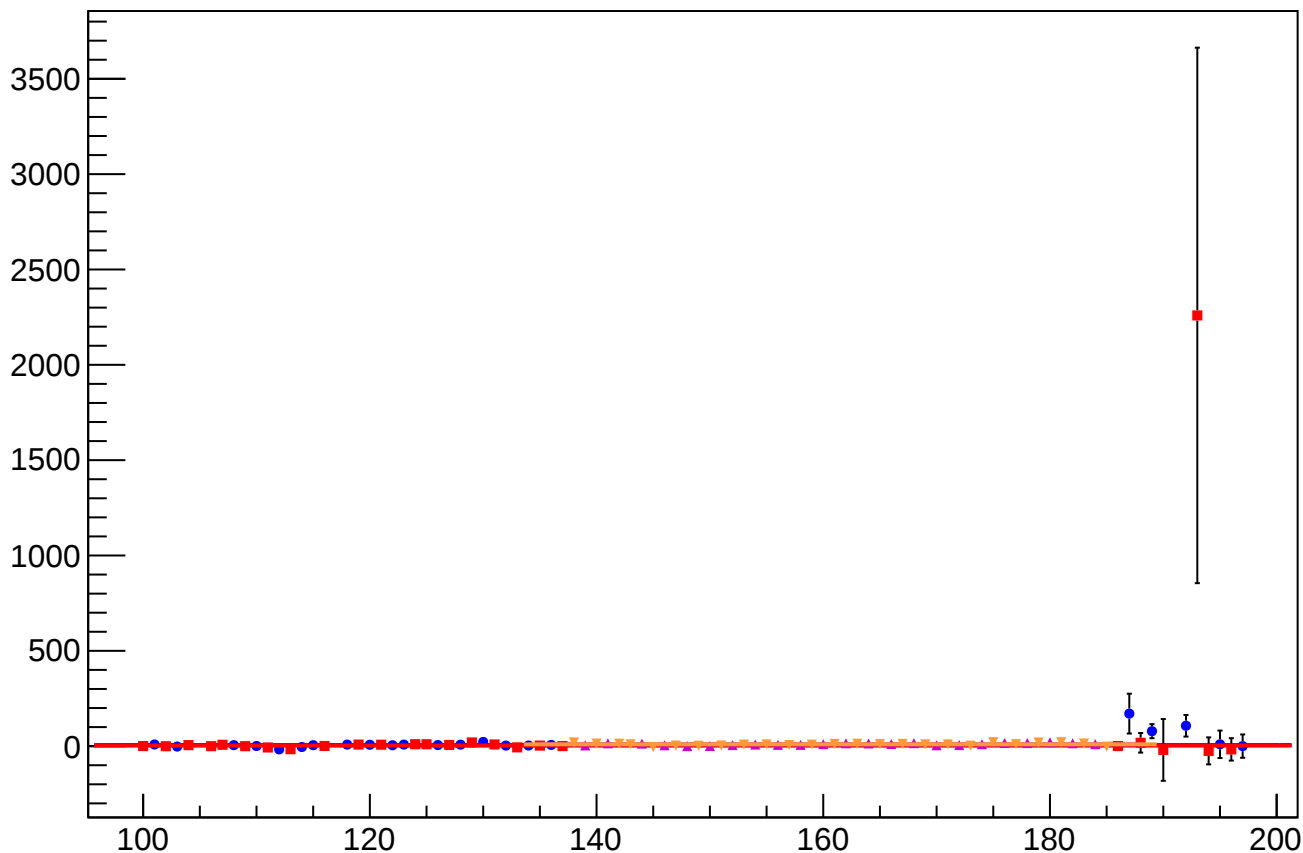
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.261 $\pm$ 0.182 χ^2 /NDF: 8114.9/46

All: 57.045 $\pm$ 0.129 χ^2 /NDF: 16997.5/94

- sign 56.828 $\pm$ 0.183 χ^2 /NDF: 8879.9/47

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.441 ± 0.361 χ^2/NDF : 393.9/21

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.278 ± 0.365 χ^2/NDF : 428.0/24

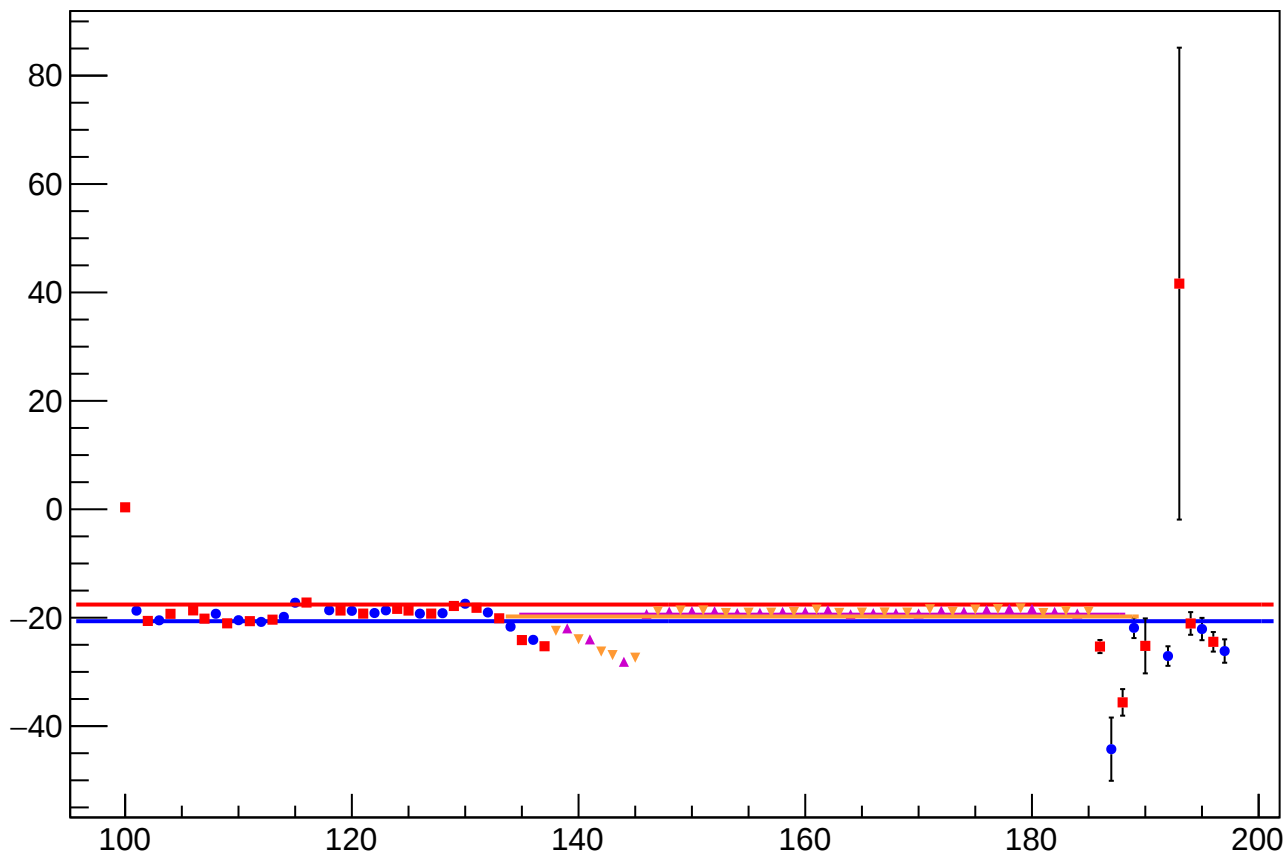
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.923 ± 0.152 χ^2/NDF : 1948.3/46

All: 8.750 ± 0.109 χ^2/NDF : 3826.0/94

- sign 8.569 ± 0.155 χ^2/NDF : 1875.0/47

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.647 +/- 0.019 χ^2/NDF : 12499.2/21

Left Out: -19.775 +/- 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.575 +/- 0.018 χ^2/NDF : 178434.8/24

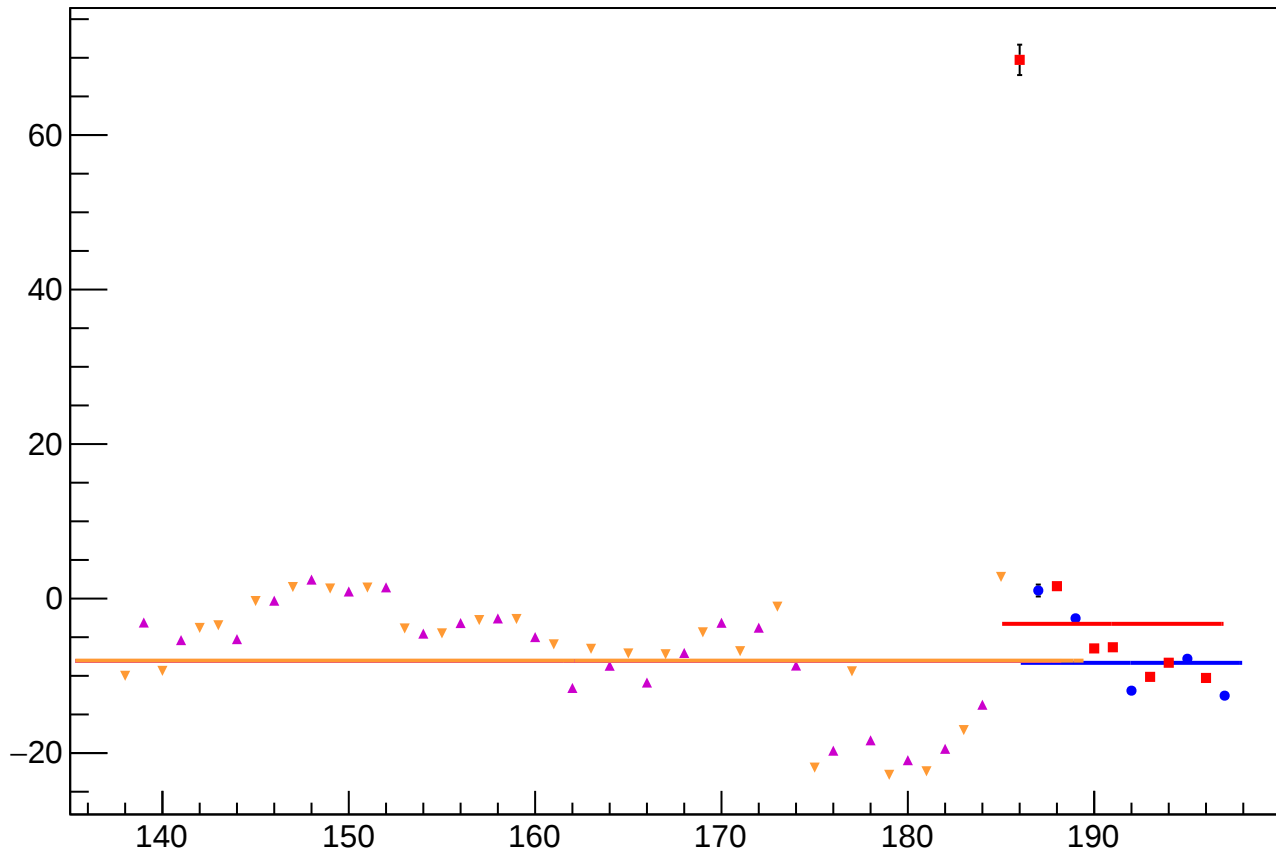
Left In: -19.445 +/- 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 +/- 0.007 χ^2/NDF : 105748.8/46

All: -19.518 +/- 0.005 χ^2/NDF : 351711.1/94

- sign -19.140 +/- 0.007 χ^2/NDF : 240550.2/47

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -8.318 ± 0.185 χ^2/NDF : 583.3/4

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -3.269 ± 0.129 χ^2/NDF : 3009.2/6

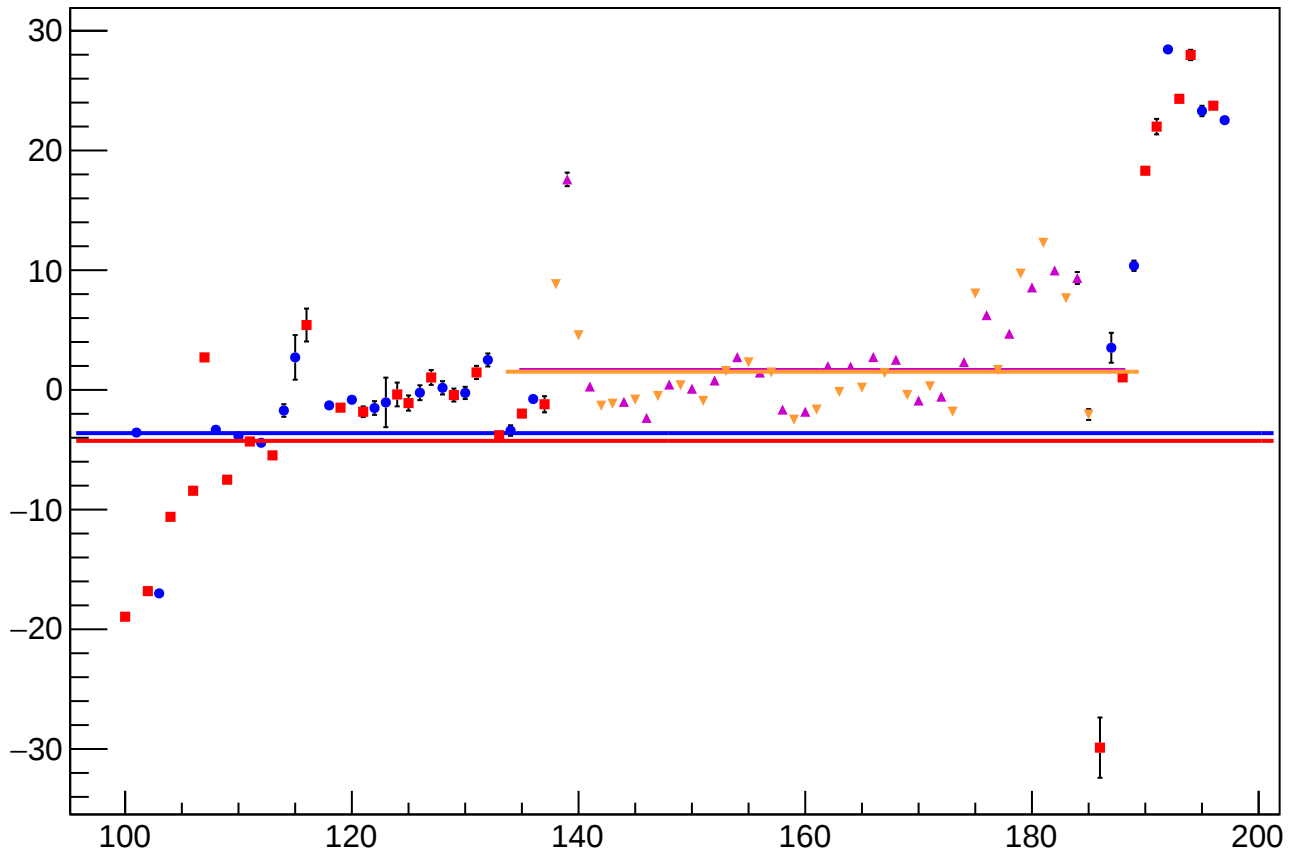
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -8.070 ± 0.066 χ^2/NDF : 13153.4/29

All: -7.482 ± 0.045 χ^2/NDF : 27911.8/59

- sign -6.944 ± 0.063 χ^2/NDF : 14605.1/29

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -3.613 ± 0.053 $\chi^2/\text{NDF}: 26453.1/21$

Left Out: 1.518 ± 0.054 $\chi^2/\text{NDF}: 4847.5/24$

Right Out: -4.257 ± 0.055 $\chi^2/\text{NDF}: 35795.3/25$

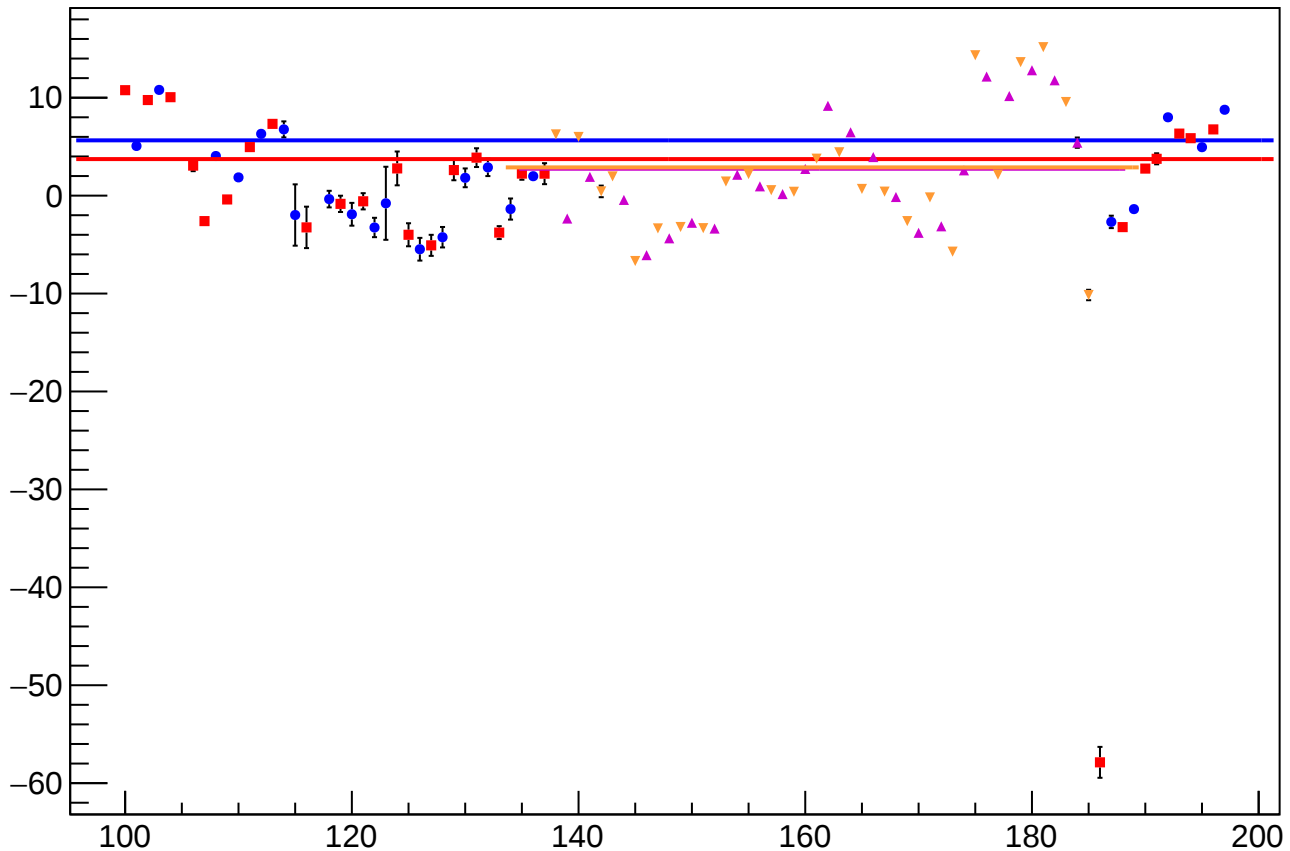
Left In: 1.662 ± 0.057 $\chi^2/\text{NDF}: 4034.2/22$

+ sign -1.114 ± 0.038 $\chi^2/\text{NDF}: 35871.5/46$

All: -1.233 ± 0.027 $\chi^2/\text{NDF}: 81317.9/95$

- sign -1.363 ± 0.040 $\chi^2/\text{NDF}: 45425.7/48$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.646 ± 0.078 χ^2/NDF : 2146.9/21

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.732 ± 0.071 χ^2/NDF : 7138.4/25

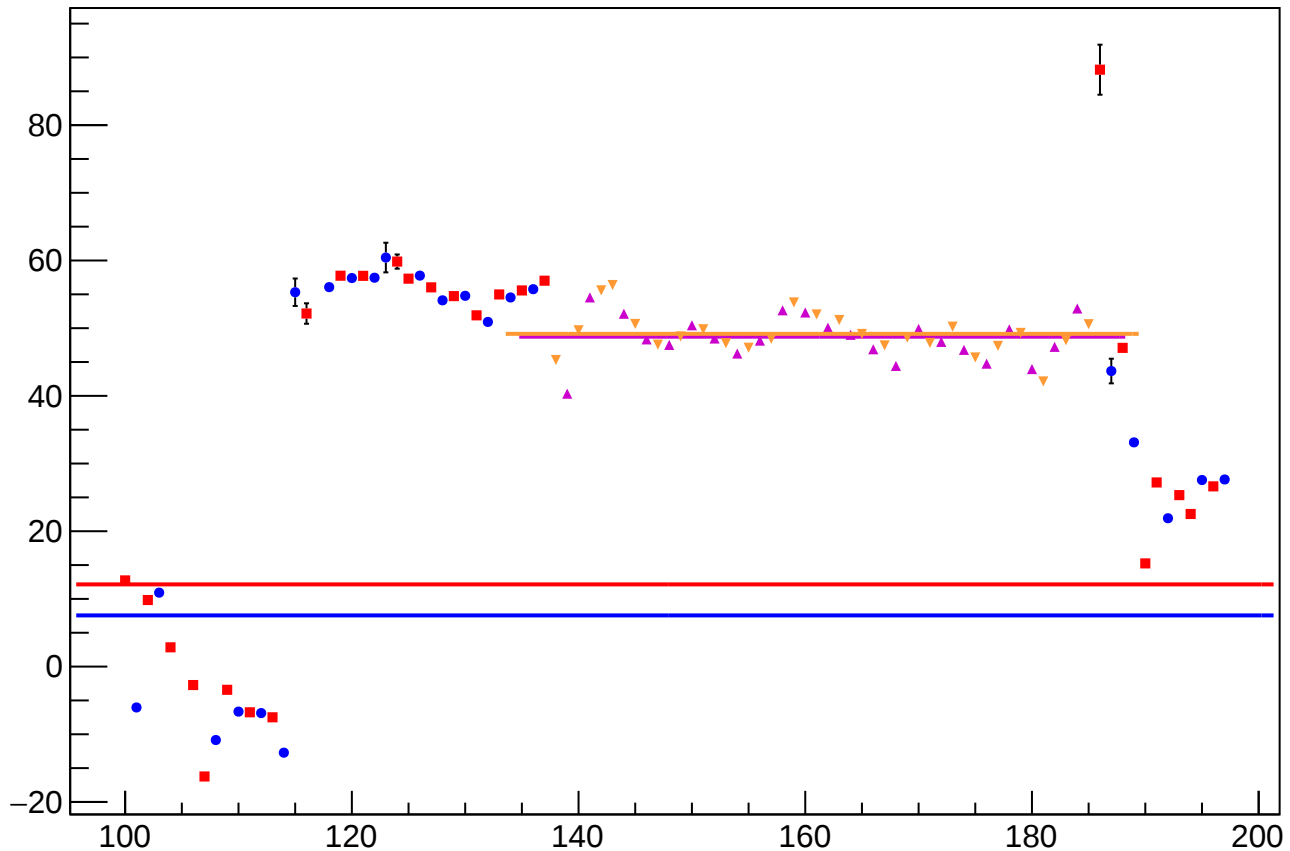
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 4.116 ± 0.052 χ^2/NDF : 11729.3/46

All: 3.663 ± 0.036 χ^2/NDF : 26292.0/95

- sign 3.239 ± 0.050 χ^2/NDF : 14417.1/48

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 7.561+/-0.063 χ^2/NDF : 127534.5/21

Left Out: 49.163+/-0.062 χ^2/NDF : 2259.9/24

Right Out: 12.145+/-0.066 χ^2/NDF : 133298.7/25

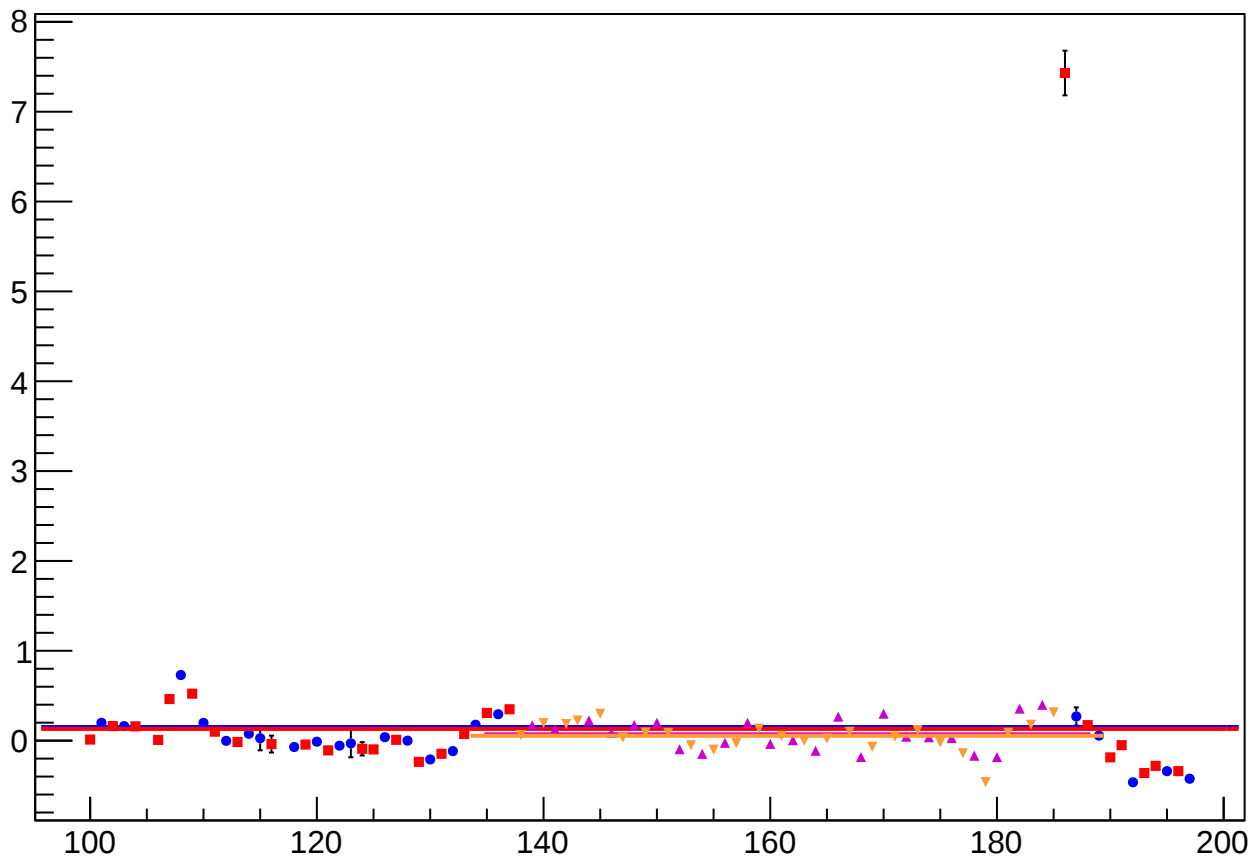
Left In: 48.744+/-0.064 χ^2/NDF : 2097.7/22

+ sign 28.691+/-0.044 χ^2/NDF : 353222.7/46

All: 29.833+/-0.032 χ^2/NDF : 649067.2/95

- sign 31.074+/-0.046 χ^2/NDF : 294438.4/48

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.151 $\pm$ 0.003 χ^2 /NDF: 9089.1/21

Left Out: 0.054 $\pm$ 0.003 χ^2 /NDF: 2379.8/24

Right Out: 0.130 $\pm$ 0.002 χ^2 /NDF: 7456.7/25

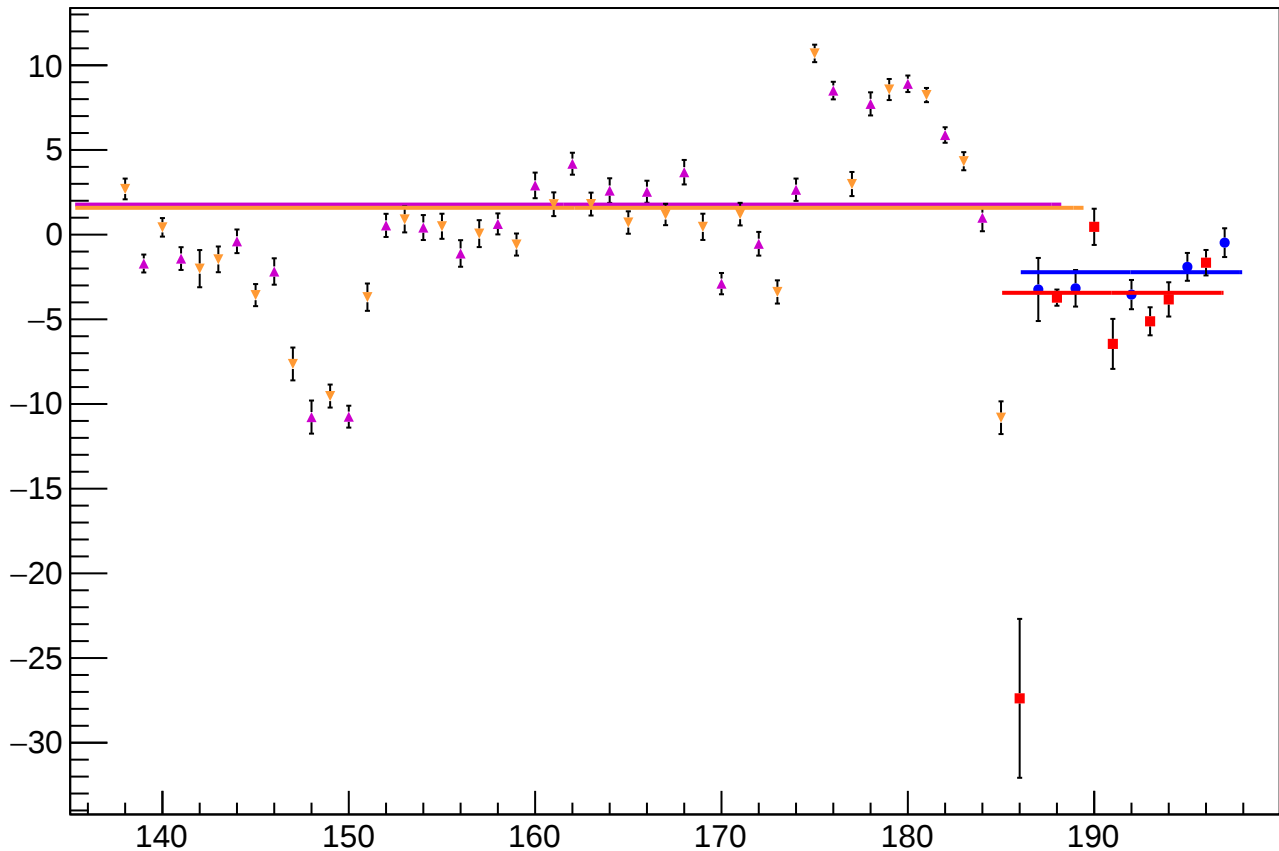
Left In: 0.070 $\pm$ 0.003 χ^2 /NDF: 3233.8/22

+ sign 0.107 $\pm$ 0.002 χ^2 /NDF: 12111.4/46

All: 0.106 $\pm$ 0.001 χ^2 /NDF: 23052.2/95

- sign 0.104 $\pm$ 0.002 χ^2 /NDF: 10940.1/48

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -2.218 ± 0.432 χ^2/NDF : 7.8/4

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -3.435 ± 0.317 χ^2/NDF : 53.7/6

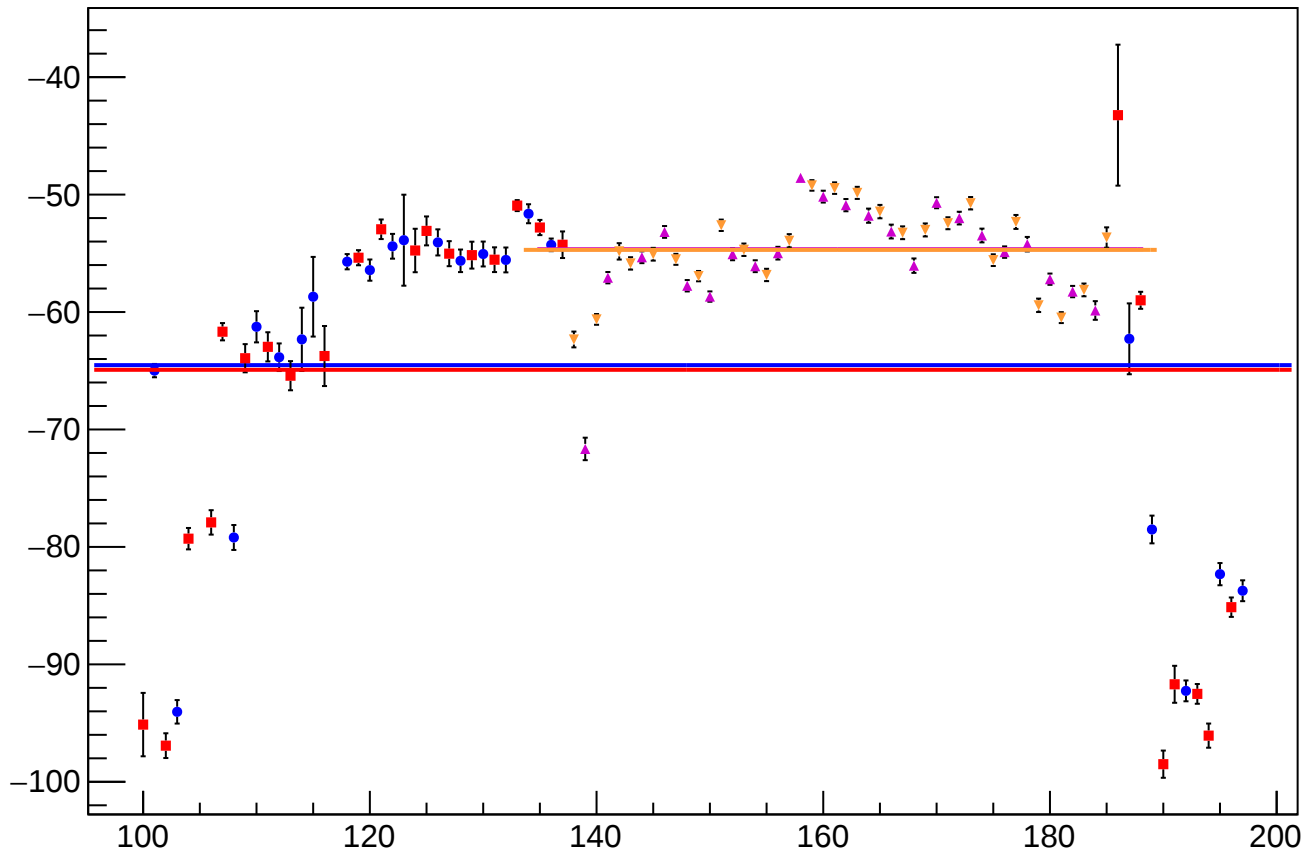
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 1.257 ± 0.127 χ^2/NDF : 1537.3/29

All: 1.110 ± 0.089 χ^2/NDF : 3120.0/59

- sign 0.970 ± 0.124 χ^2/NDF : 1580.1/29

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -64.521 ± 0.203 $\chi^2/\text{NDF}: 4318.4/21$

Left Out: -54.707 ± 0.106 $\chi^2/\text{NDF}: 1126.0/24$

Right Out: -64.919 ± 0.185 $\chi^2/\text{NDF}: 7388.6/25$

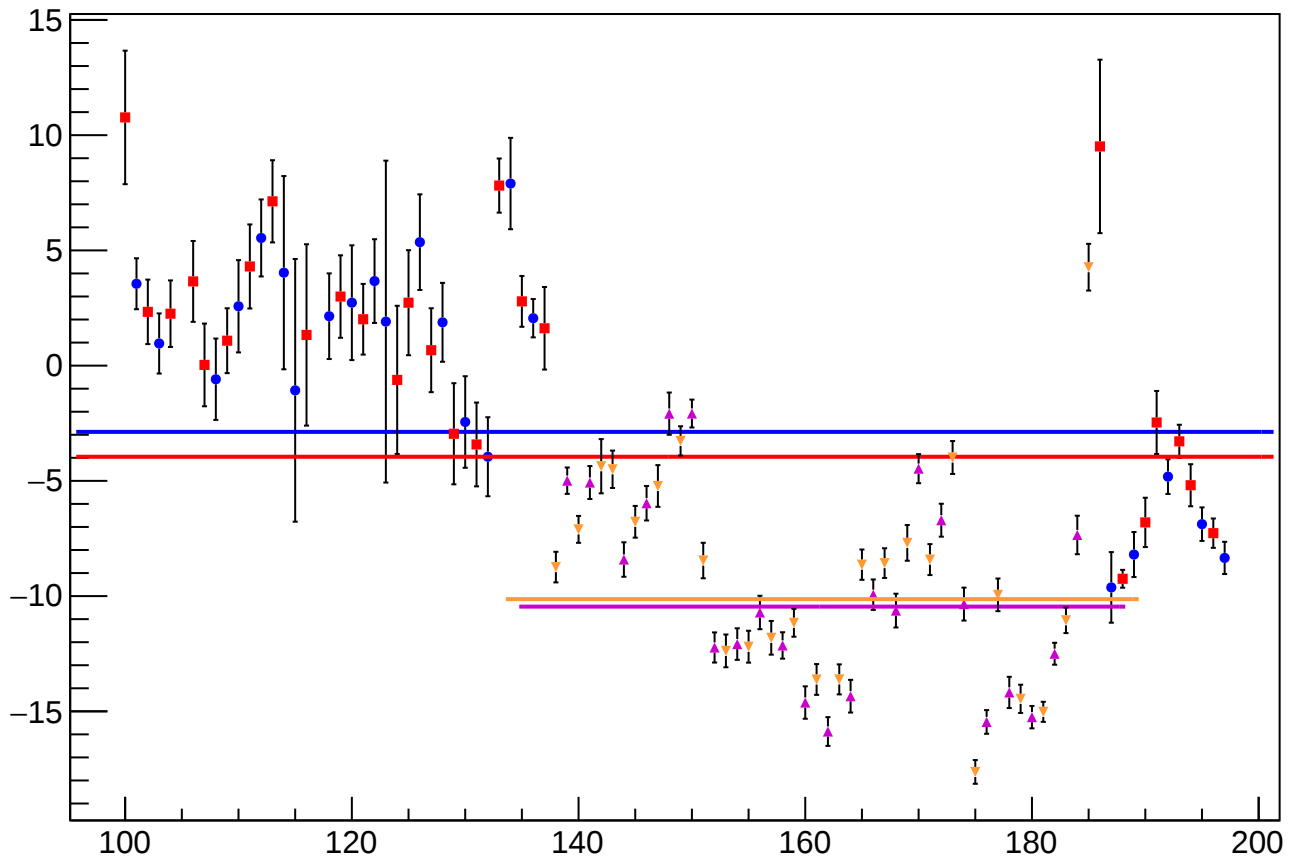
Left In: -54.650 ± 0.110 $\chi^2/\text{NDF}: 1077.1/22$

+ sign -56.796 ± 0.094 $\chi^2/\text{NDF}: 7279.5/46$

All: -57.055 ± 0.067 $\chi^2/\text{NDF}: 18033.9/95$

- sign -57.318 ± 0.094 $\chi^2/\text{NDF}: 10739.1/48$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -2.874 ± 0.275 χ^2/NDF : 341.4/21

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -3.953 ± 0.222 χ^2/NDF : 593.8/25

Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.757 ± 0.120 χ^2/NDF : 1962.3/46

All: -8.729 ± 0.083 χ^2/NDF : 4187.8/95

- sign -8.703 ± 0.115 χ^2/NDF : 2225.4/48

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -28.025 ± 0.233 $\chi^2/\text{NDF}: 6679.7/21$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -26.655 ± 0.217 $\chi^2/\text{NDF}: 10066.2/25$

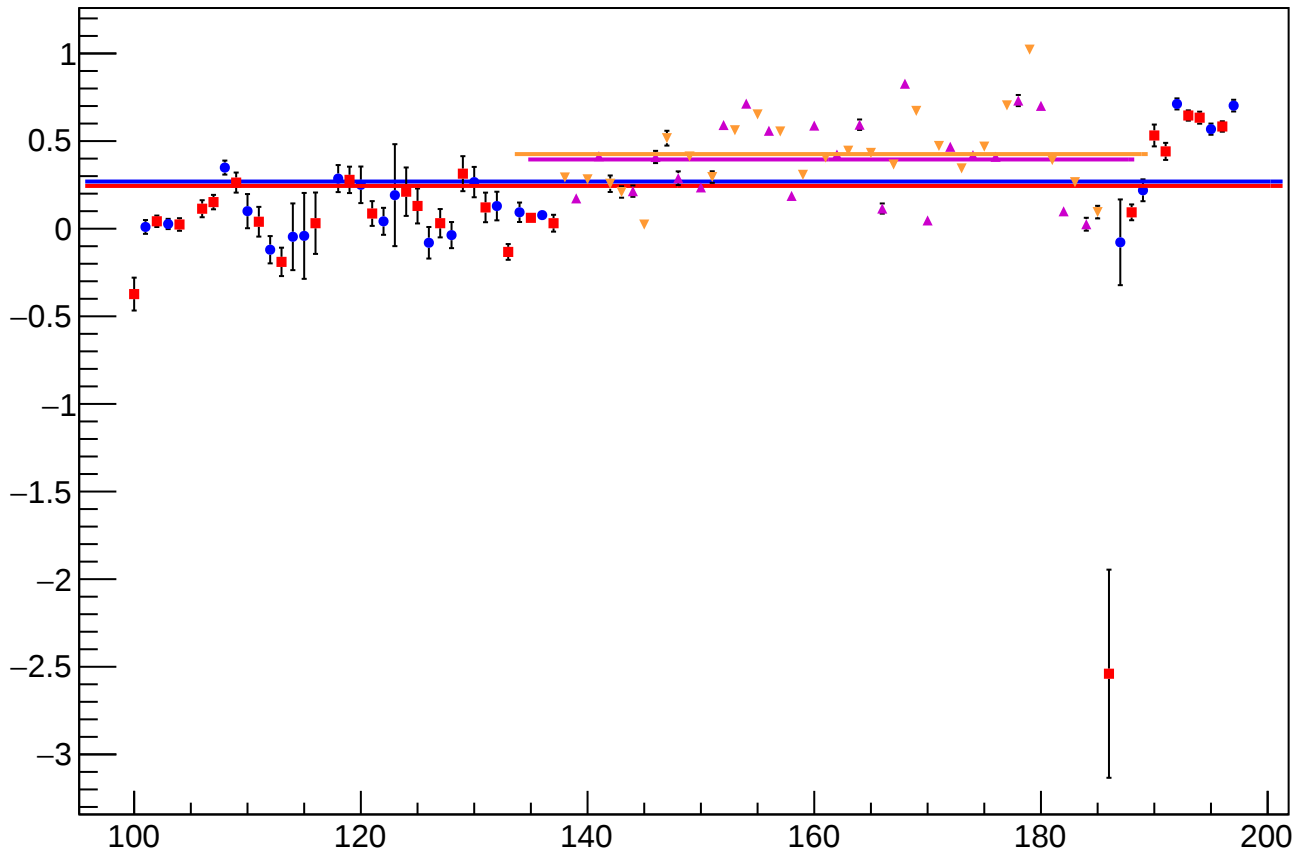
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -35.954 ± 0.106 $\chi^2/\text{NDF}: 9078.8/46$

All: -35.542 ± 0.075 $\chi^2/\text{NDF}: 22217.1/95$

- sign -35.125 ± 0.107 $\chi^2/\text{NDF}: 13107.9/48$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.269 $\pm$ 0.010 χ^2/NDF : 730.5/21

Left Out: 0.426 $\pm$ 0.005 χ^2/NDF :1303.7/24

Right Out: 0.244 $\pm$ 0.010 χ^2/NDF : 836.4/25

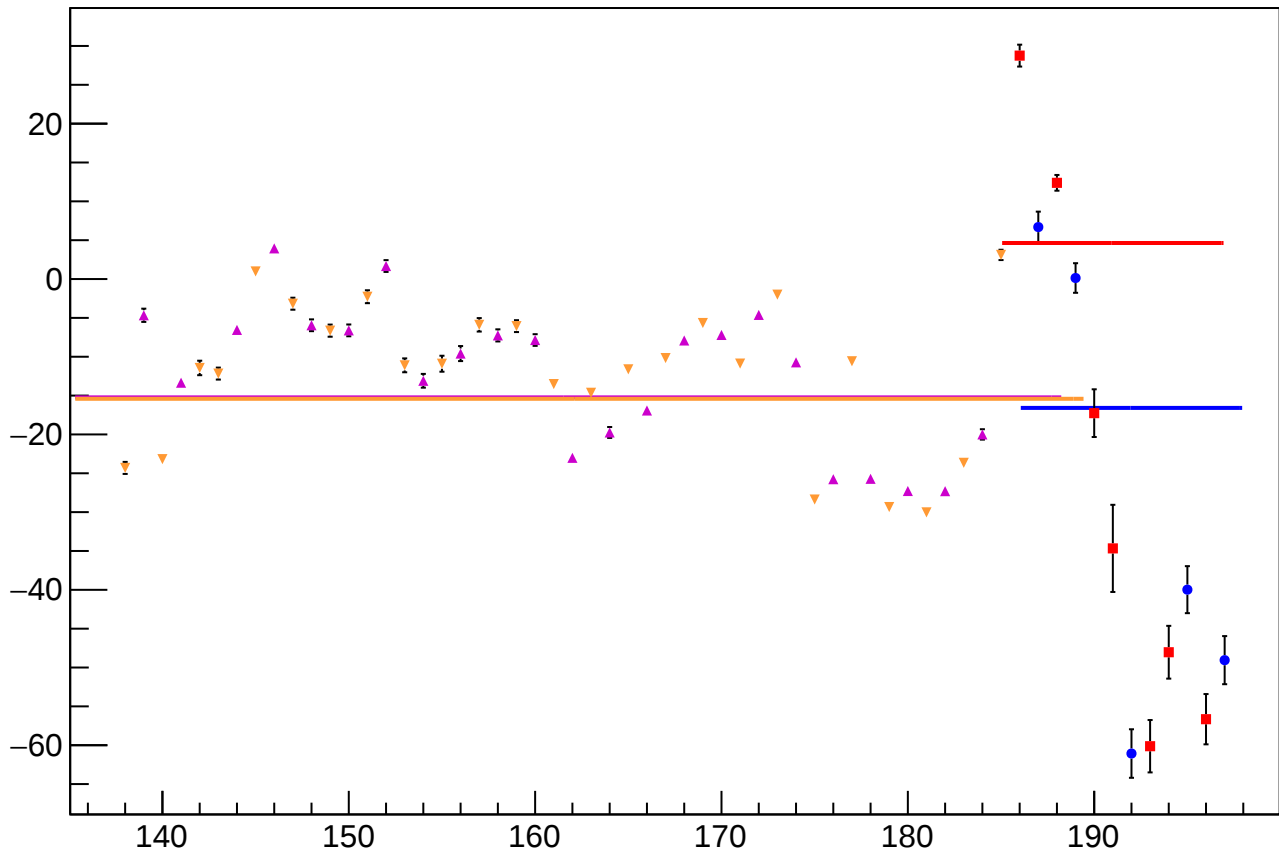
Left In: 0.395 $\pm$ 0.005 χ^2/NDF :1798.2/22

+ sign 0.393 $\pm$ 0.005 χ^2/NDF : 2213.9/46

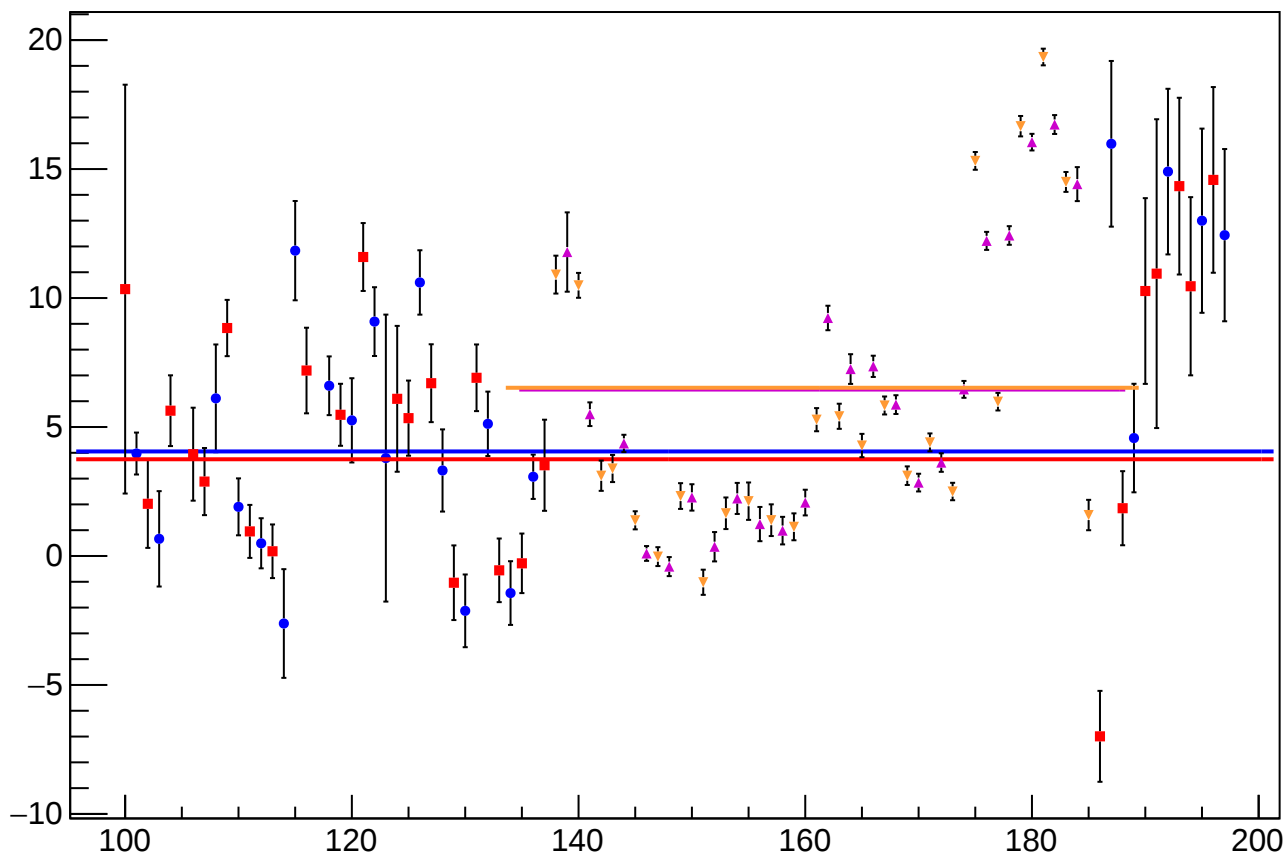
All: 0.375 $\pm$ 0.003 χ^2/NDF : 5065.4/95

- sign 0.358 $\pm$ 0.005 χ^2/NDF : 2824.9/48

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.053 ± 0.302 χ^2/NDF : 174.4/21

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.749 ± 0.300 χ^2/NDF : 199.9/25

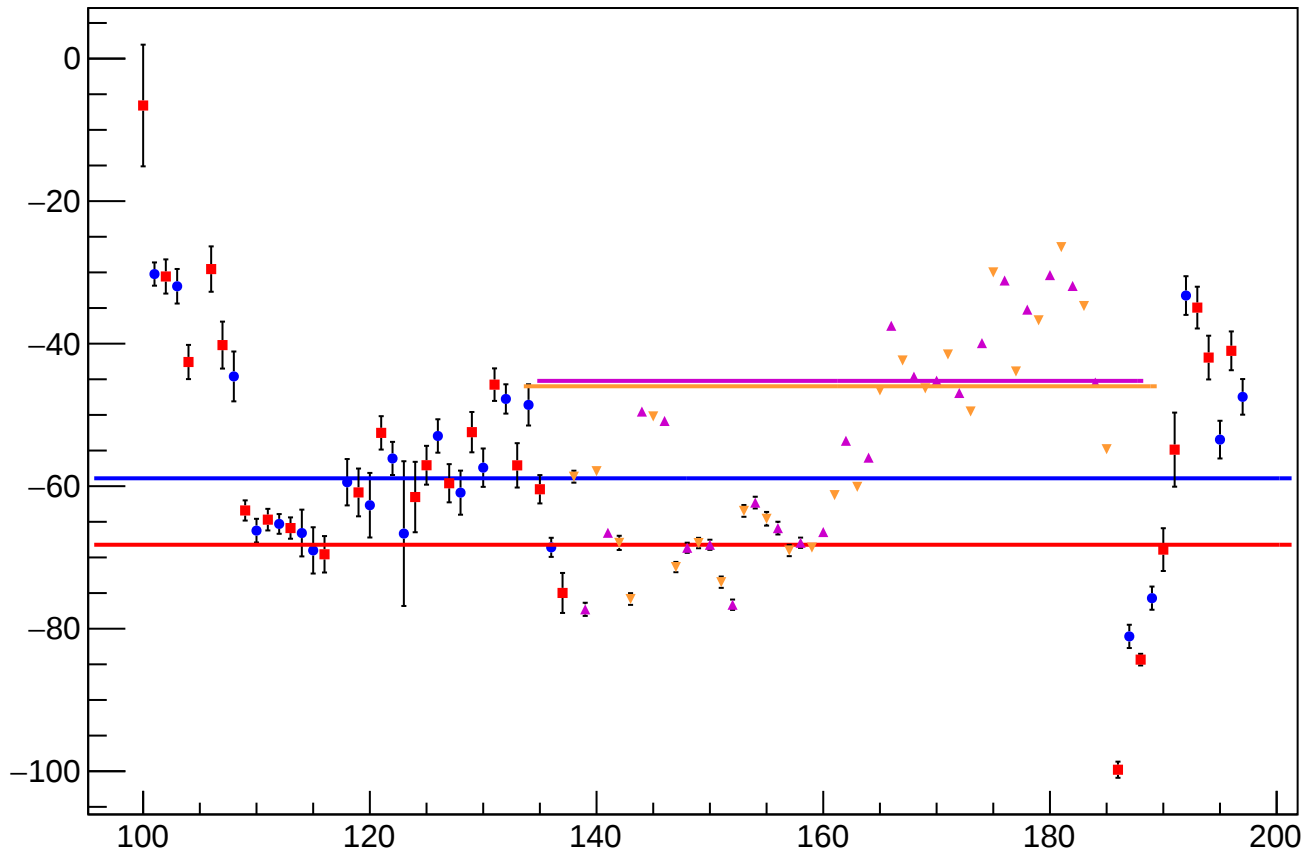
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.339 ± 0.082 χ^2/NDF : 5221.2/46

All: 6.293 ± 0.058 χ^2/NDF : 9444.9/95

- sign 6.246 ± 0.083 χ^2/NDF : 4223.0/48

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -58.895 $\pm$ 0.468 χ^2 /NDF: 1015.0/21

Left Out: -45.982 $\pm$ 0.106 χ^2 /NDF:17360.1/24

Right Out: -68.219 $\pm$ 0.400 χ^2 /NDF: 2368.2/25

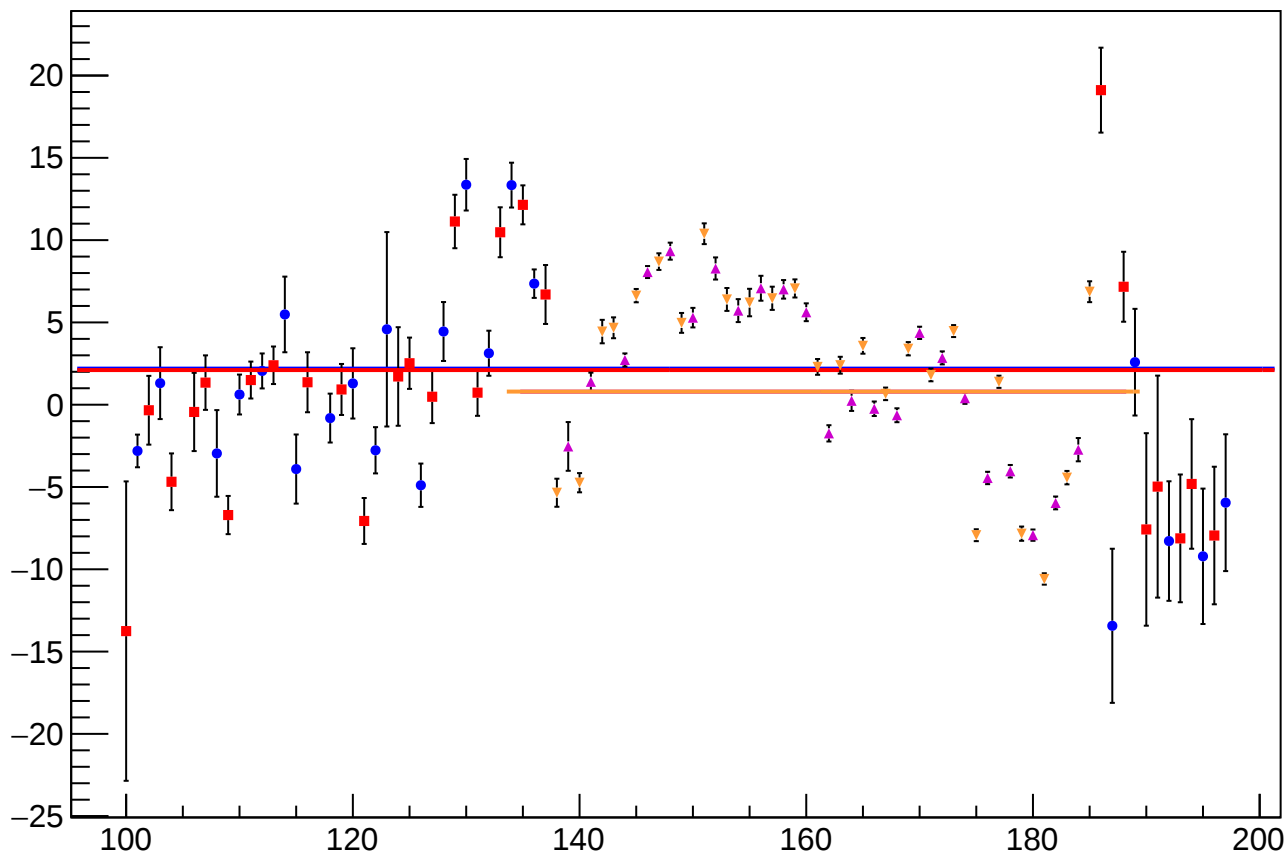
Left In: -45.222 $\pm$ 0.107 χ^2 /NDF:15600.2/22

+ sign -46.615 $\pm$ 0.104 χ^2 /NDF: 19099.2/46

All: -46.689 $\pm$ 0.073 χ^2 /NDF: 40154.4/95

- sign -46.764 $\pm$ 0.104 χ^2 /NDF: 21054.1/48

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.192 $\pm$ 0.341 χ^2 /NDF: 274.1/21

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF: 3760.0/24

Right Out: 2.105 $\pm$ 0.343 χ^2 /NDF: 333.7/25

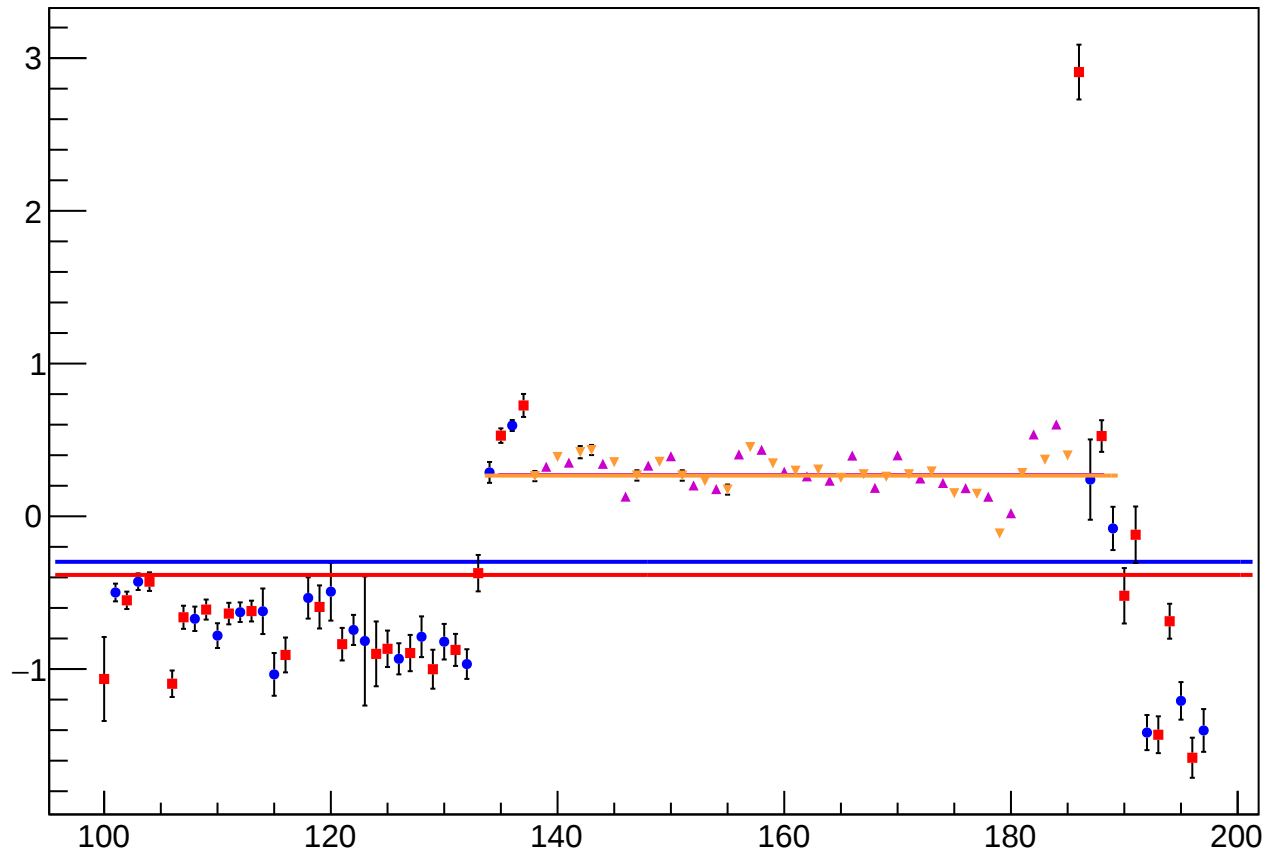
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF: 2692.5/22

+ sign 0.899 $\pm$ 0.092 χ^2 /NDF: 4049.5/46

All: 0.894 $\pm$ 0.065 χ^2 /NDF: 7089.3/95

- sign 0.889 $\pm$ 0.093 χ^2 /NDF: 3039.8/48

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.298 ± 0.018 χ^2/NDF : 1187.2/21

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.384 ± 0.018 χ^2/NDF : 1426.9/25

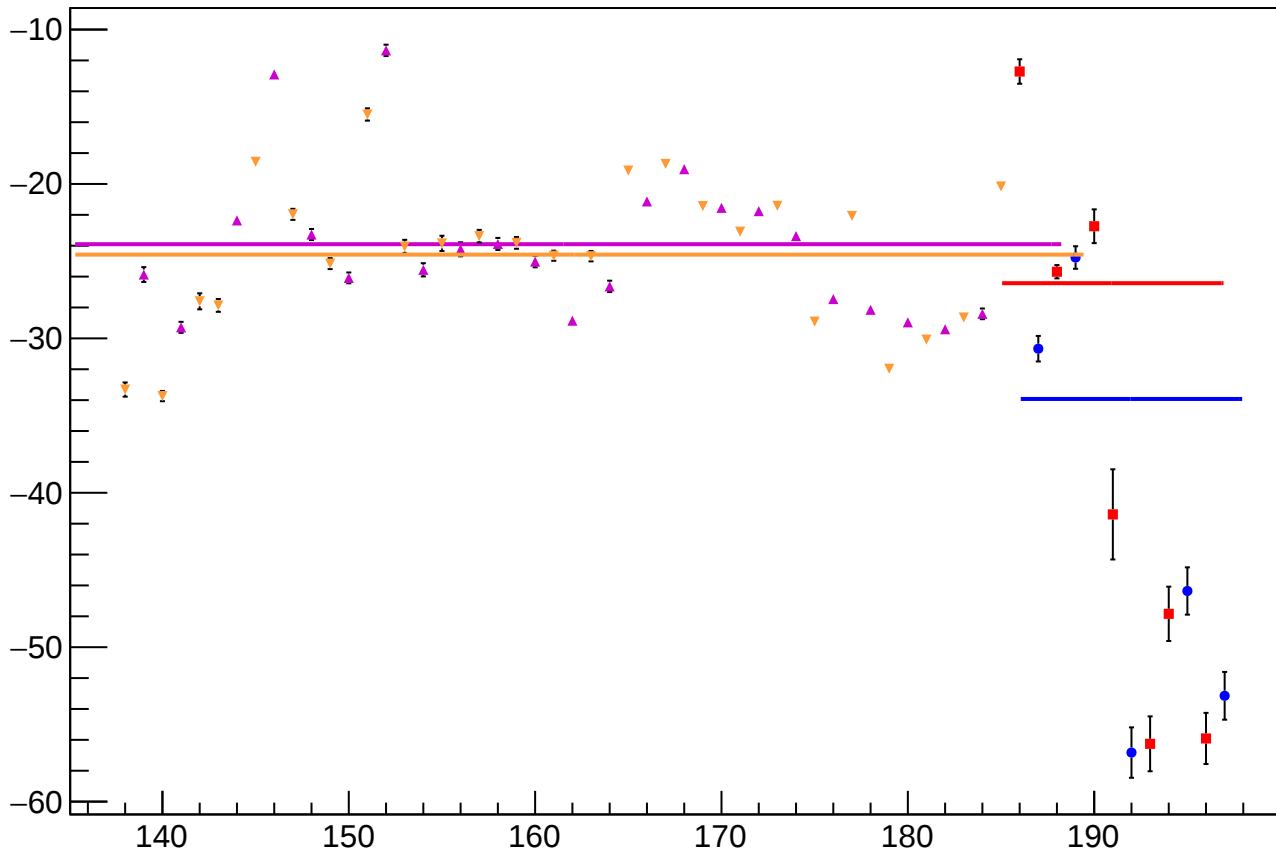
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.236 ± 0.004 χ^2/NDF : 2805.9/46

All: 0.234 ± 0.003 χ^2/NDF : 6475.1/95

- sign 0.232 ± 0.004 χ^2/NDF : 3668.9/48

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -33.924 ± 0.469 $\chi^2/\text{NDF}: 589.8/4$

Left Out: -24.577 ± 0.051 $\chi^2/\text{NDF}: 8590.4/24$

Right Out: -26.426 ± 0.335 $\chi^2/\text{NDF}: 1085.1/6$

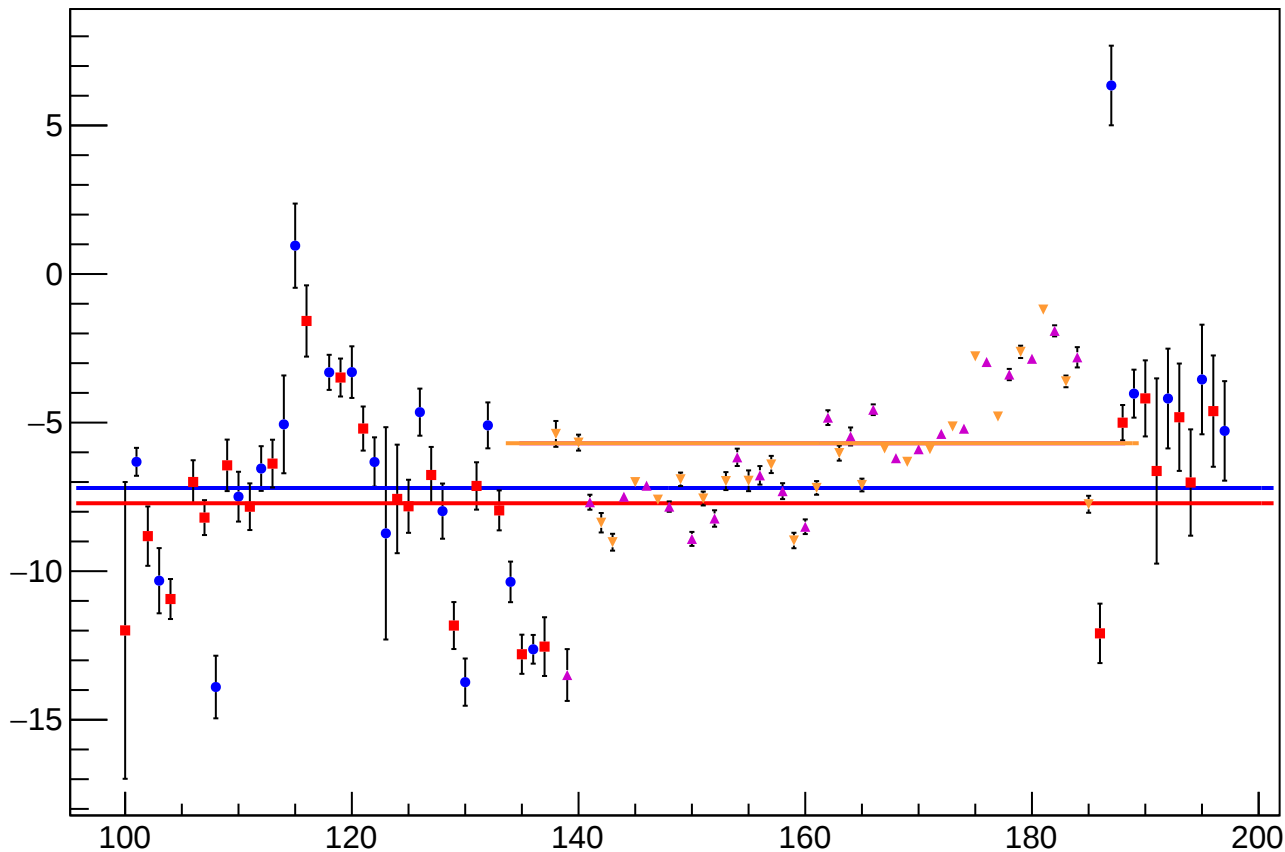
Left In: -23.901 ± 0.051 $\chi^2/\text{NDF}: 9154.9/22$

+ sign -24.687 ± 0.051 $\chi^2/\text{NDF}: 9573.4/29$

All: -24.321 ± 0.036 $\chi^2/\text{NDF}: 19972.6/59$

- sign -23.959 ± 0.051 $\chi^2/\text{NDF}: 10295.6/29$

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.201 ± 0.178 χ^2/NDF : 512.3/21

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.714 ± 0.171 χ^2/NDF : 278.2/25

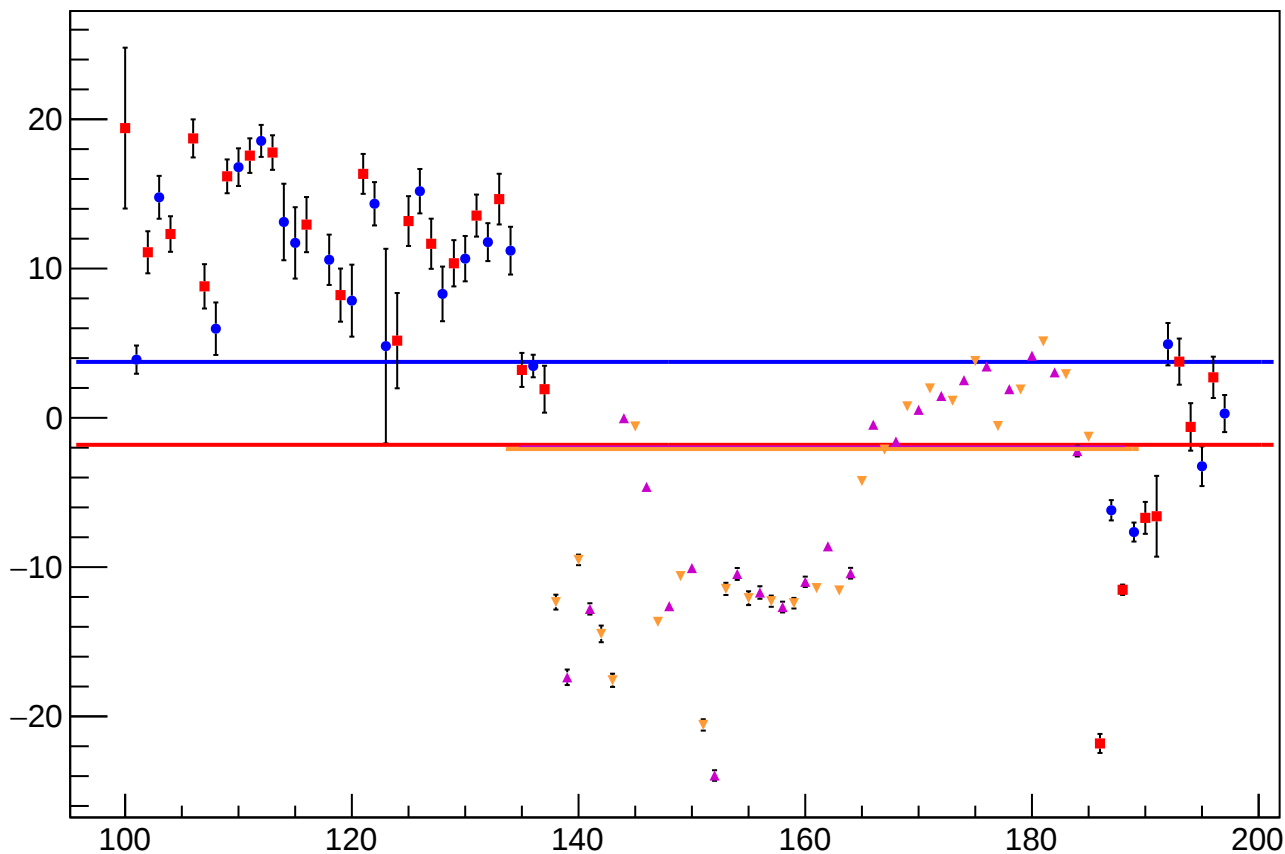
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.770 ± 0.040 χ^2/NDF : 2838.6/46

All: -5.788 ± 0.028 χ^2/NDF : 5559.2/95

- sign -5.805 ± 0.040 χ^2/NDF : 2720.2/48

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 3.746 ± 0.258 χ^2/NDF : 1173.9/21

Left Out: -2.092 ± 0.051 χ^2/NDF : 16305.3/24

Right Out: -1.808 ± 0.212 χ^2/NDF : 3918.3/25

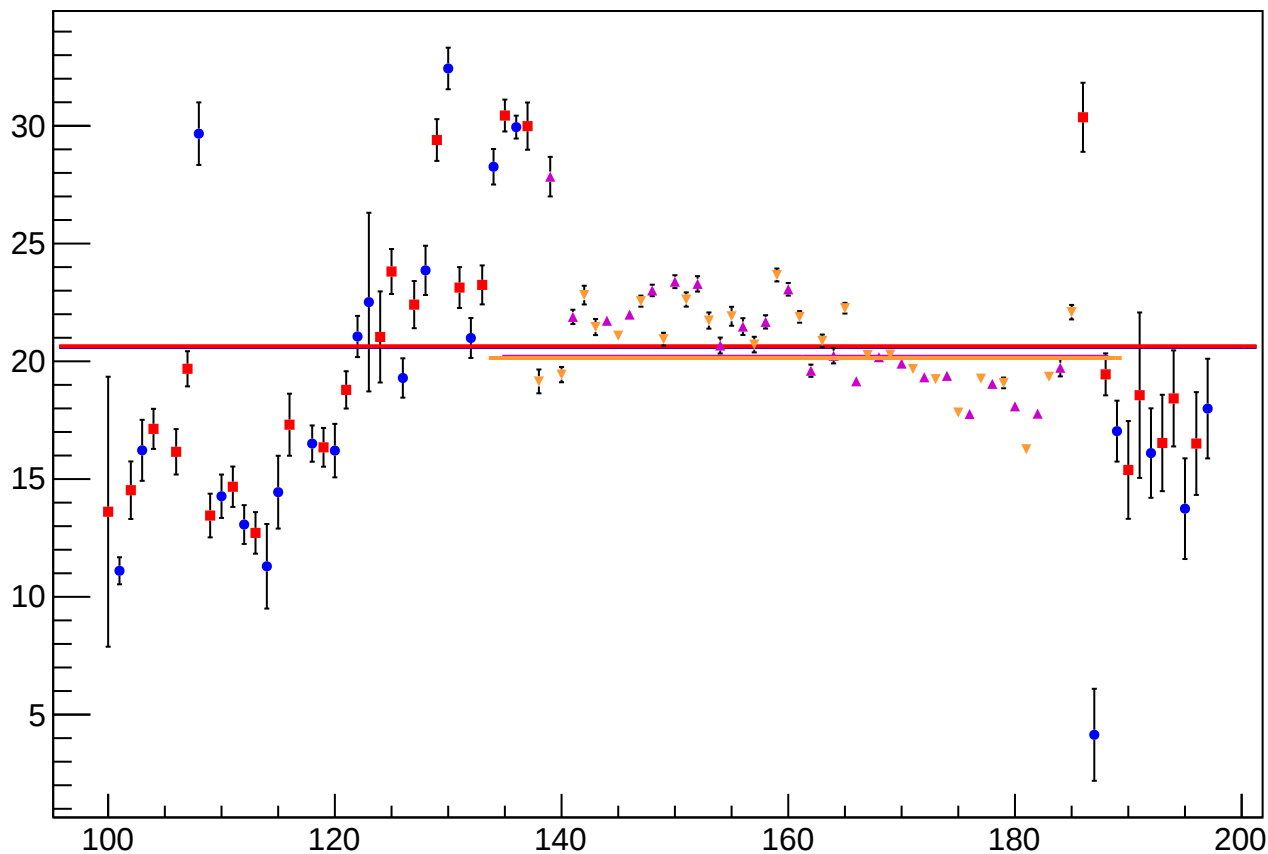
Left In: -1.980 ± 0.051 χ^2/NDF : 15382.3/22

+ sign -1.868 ± 0.050 χ^2/NDF : 17973.1/46

All: -1.920 ± 0.035 χ^2/NDF : 37276.5/95

- sign -1.971 ± 0.050 χ^2/NDF : 19301.2/48

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.608 $\pm$ 0.204 χ^2 /NDF: 1309.8/21

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF:1419.1/24

Right Out: 20.640 $\pm$ 0.201 χ^2 /NDF: 783.0/25

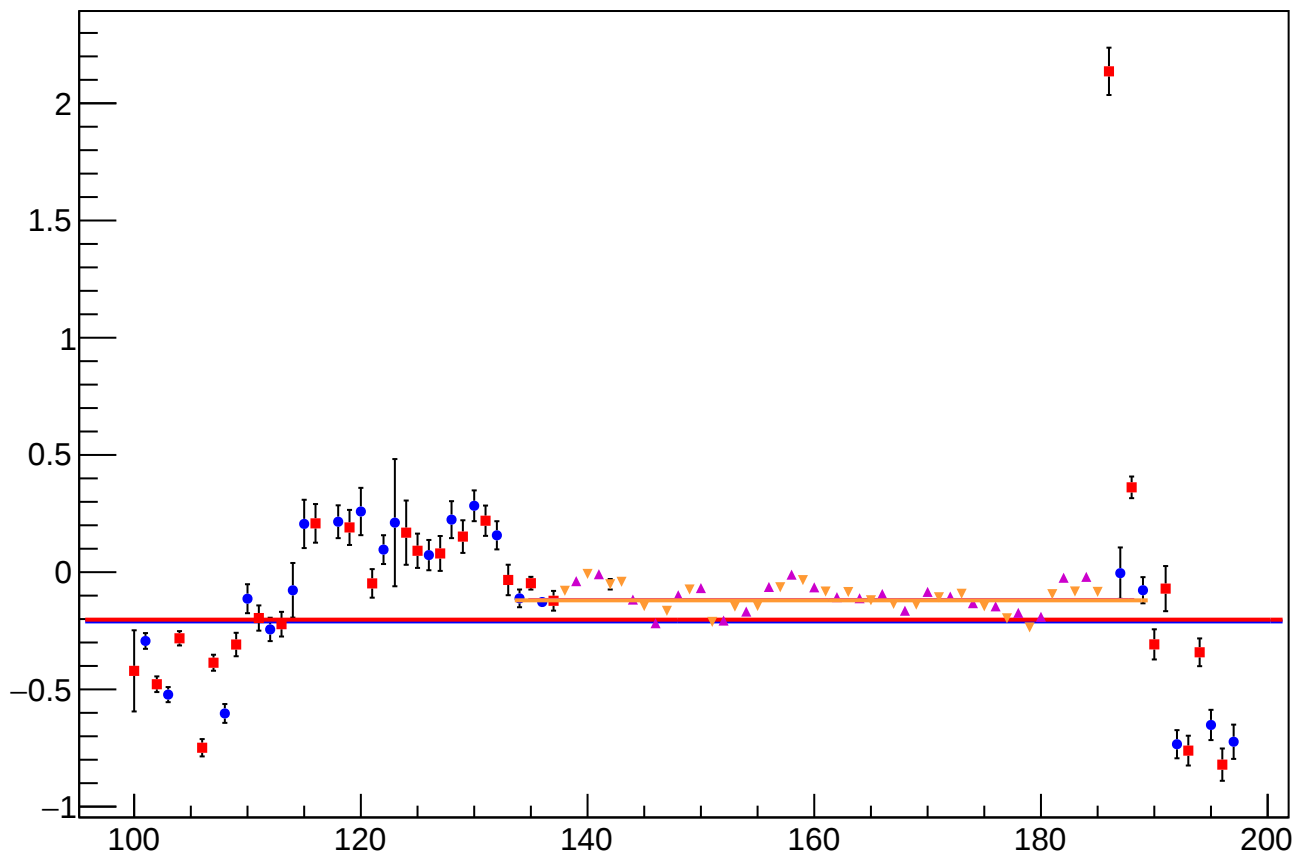
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF:1447.4/22

+ sign 20.163 $\pm$ 0.045 χ^2 /NDF: 2733.9/46

All: 20.190 $\pm$ 0.032 χ^2 /NDF: 4969.6/95

- sign 20.216 $\pm$ 0.045 χ^2 /NDF: 2235.1/48

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.210 ± 0.011 χ^2/NDF : 650.0/21

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.203 ± 0.010 χ^2/NDF : 1390.8/25

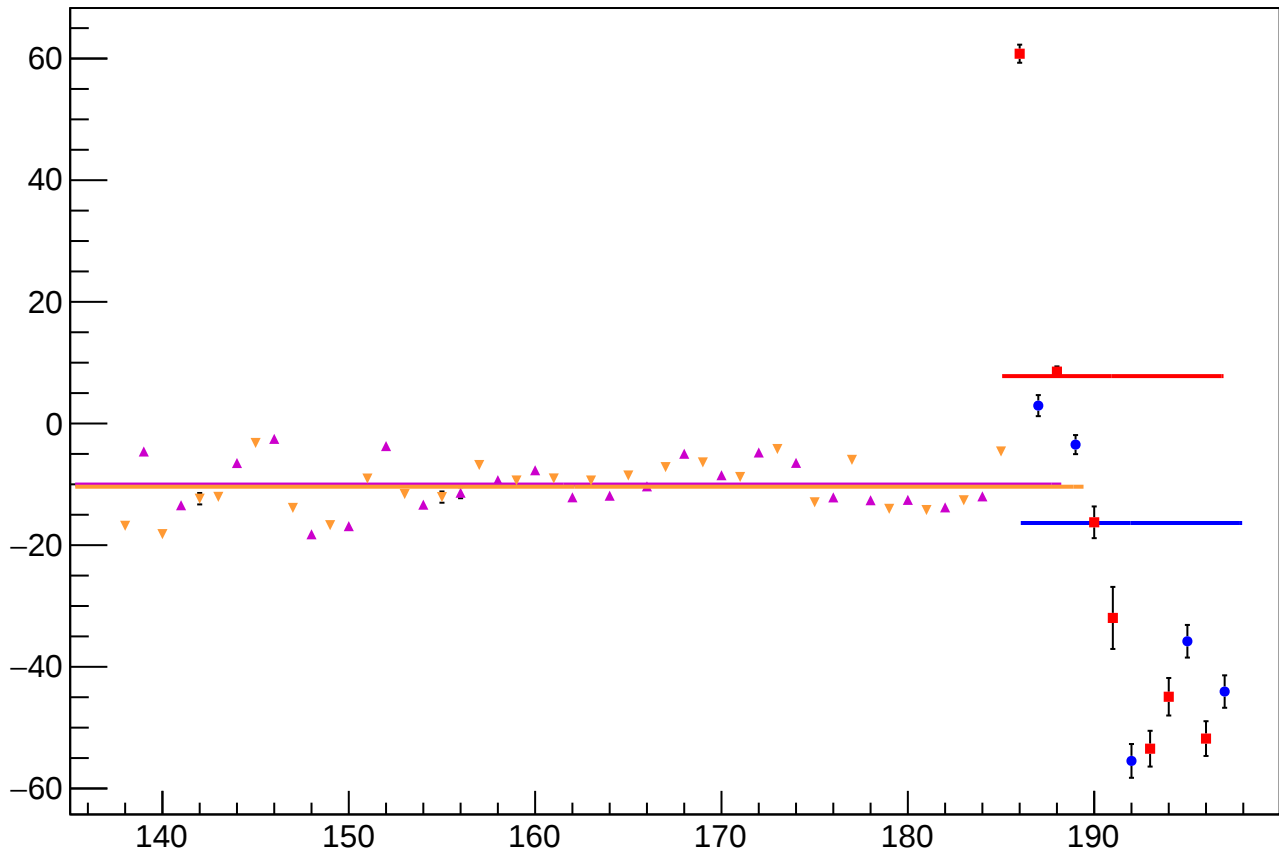
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.124 ± 0.002 χ^2/NDF : 1250.9/46

All: -0.123 ± 0.001 χ^2/NDF : 3430.8/95

- sign -0.122 ± 0.002 χ^2/NDF : 2179.7/48

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -16.355 ± 0.933 χ^2/NDF : 550.6/4

Left Out: -10.391 ± 0.088 χ^2/NDF : 2111.6/24

Right Out: 7.792 ± 0.654 χ^2/NDF : 2578.2/6

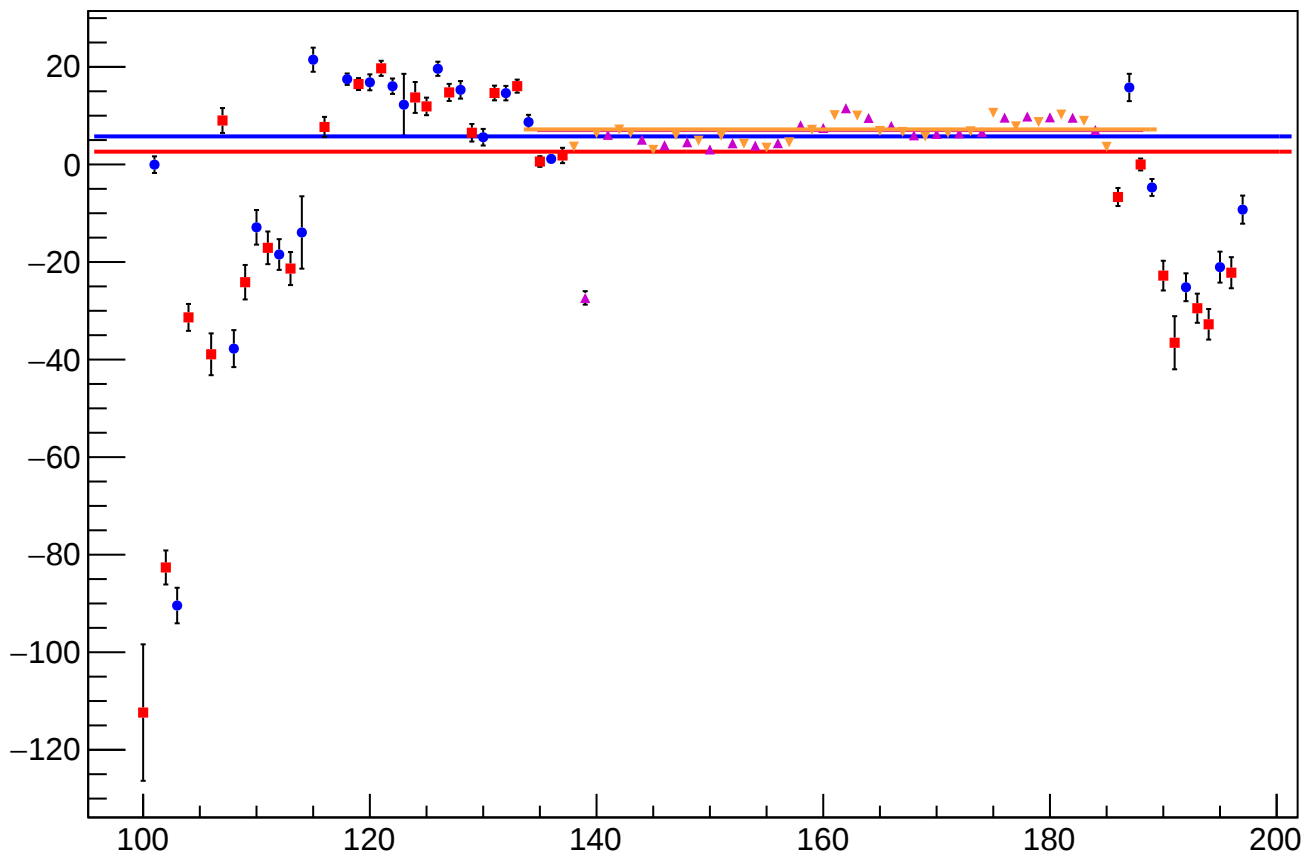
Left In: -10.036 ± 0.090 χ^2/NDF : 1758.7/22

+ sign -10.443 ± 0.087 χ^2/NDF : 2702.7/29

All: -10.081 ± 0.062 χ^2/NDF : 7803.3/59

- sign -9.708 ± 0.089 χ^2/NDF : 5065.7/29

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 5.754 $\pm$ 0.382 χ^2 /NDF: 1623.8/21

Left Out: 7.184 $\pm$ 0.073 χ^2 /NDF: 917.3/24

Right Out: 2.621 $\pm$ 0.386 χ^2 /NDF: 2029.0/25

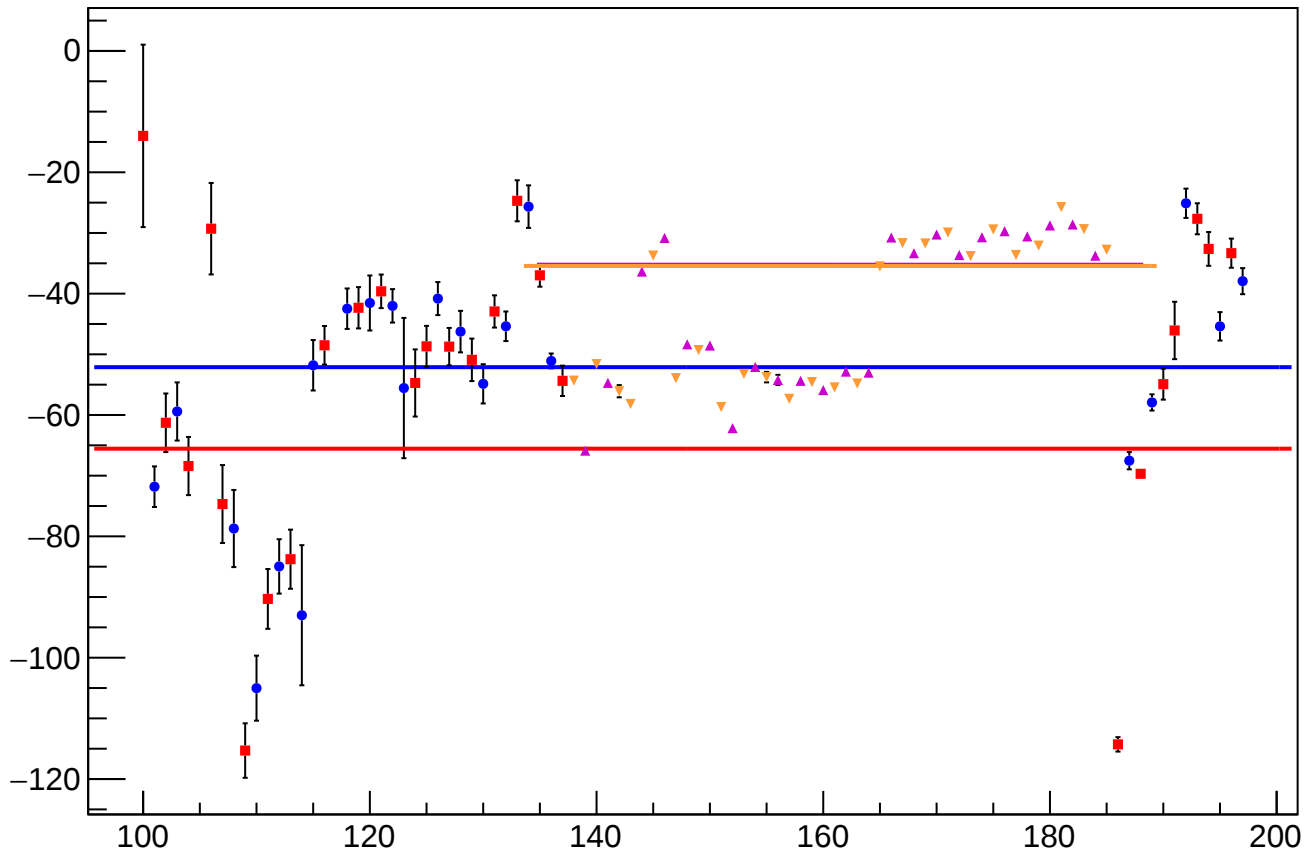
Left In: 7.053 $\pm$ 0.074 χ^2 /NDF: 1535.8/22

+ sign 7.133 $\pm$ 0.072 χ^2 /NDF: 2554.7/46

All: 7.015 $\pm$ 0.051 χ^2 /NDF: 6252.0/95

- sign 6.895 $\pm$ 0.073 χ^2 /NDF: 3691.9/48

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -52.118 ± 0.539 χ^2/NDF : 644.8/21

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -65.550 ± 0.447 χ^2/NDF : 3201.9/25

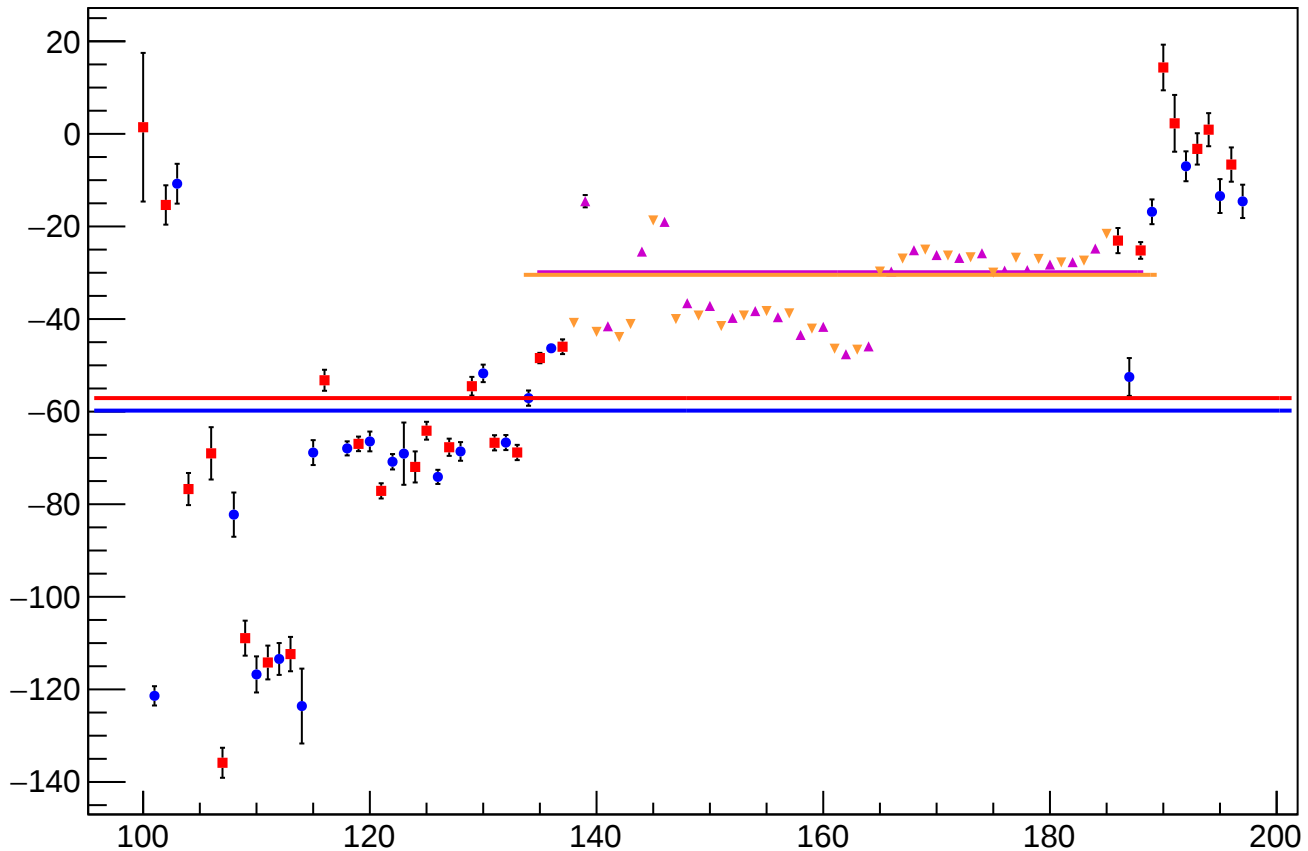
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -35.877 ± 0.088 χ^2/NDF : 14359.9/46

All: -36.144 ± 0.062 χ^2/NDF : 33609.6/95

- sign -36.414 ± 0.088 χ^2/NDF : 19231.1/48

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -59.779 ± 0.430 $\chi^2/\text{NDF}: 2920.9/21$

Left Out: -30.448 ± 0.082 $\chi^2/\text{NDF}: 8167.7/24$

Right Out: -57.075 ± 0.446 $\chi^2/\text{NDF}: 3316.8/25$

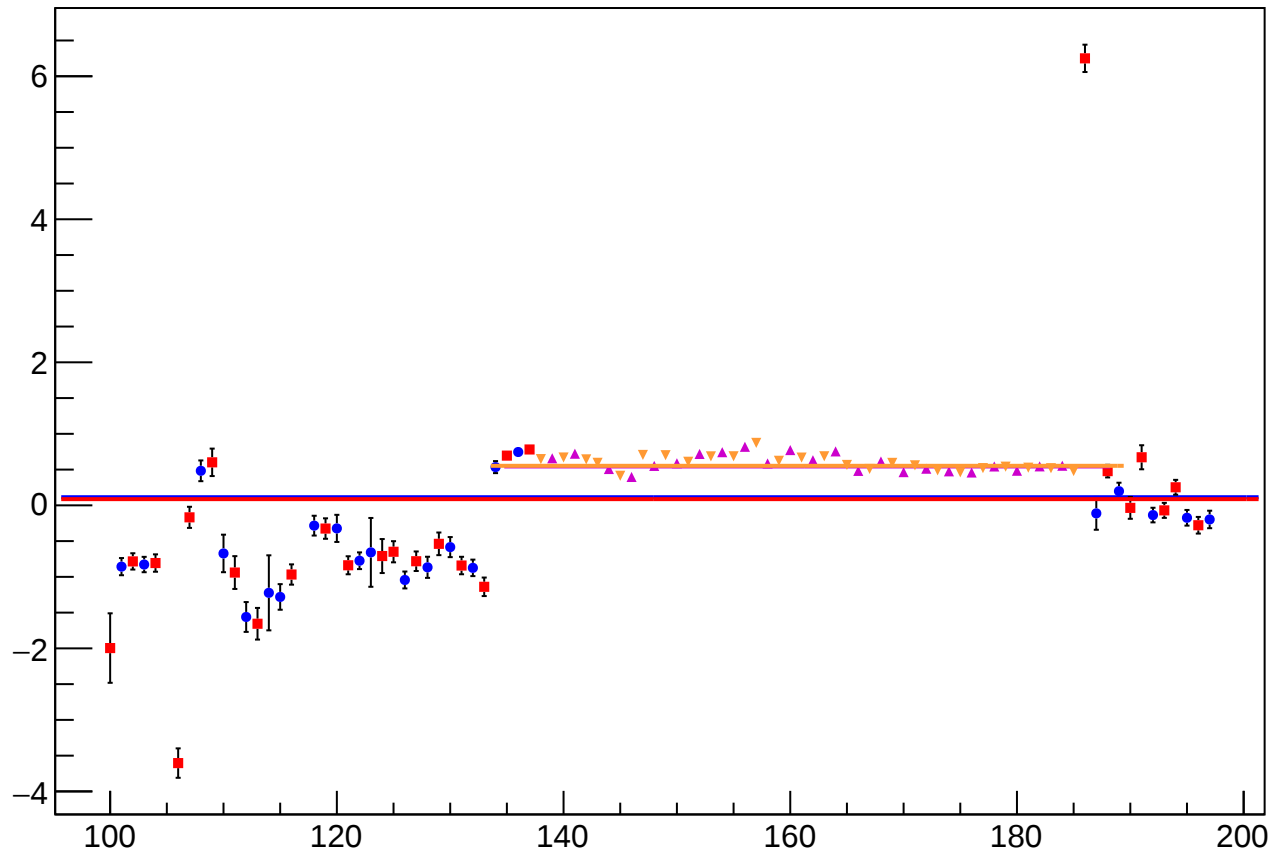
Left In: -29.892 ± 0.083 $\chi^2/\text{NDF}: 7115.0/22$

+ sign -31.465 ± 0.080 $\chi^2/\text{NDF}: 15575.5/46$

All: -31.133 ± 0.057 $\chi^2/\text{NDF}: 29629.6/95$

- sign -30.792 ± 0.081 $\chi^2/\text{NDF}: 14019.3/48$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.114 $\pm$ 0.022 χ^2 /NDF: 1010.8/21

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF:542.1/24

Right Out: 0.087 $\pm$ 0.023 χ^2 /NDF: 2277.1/25

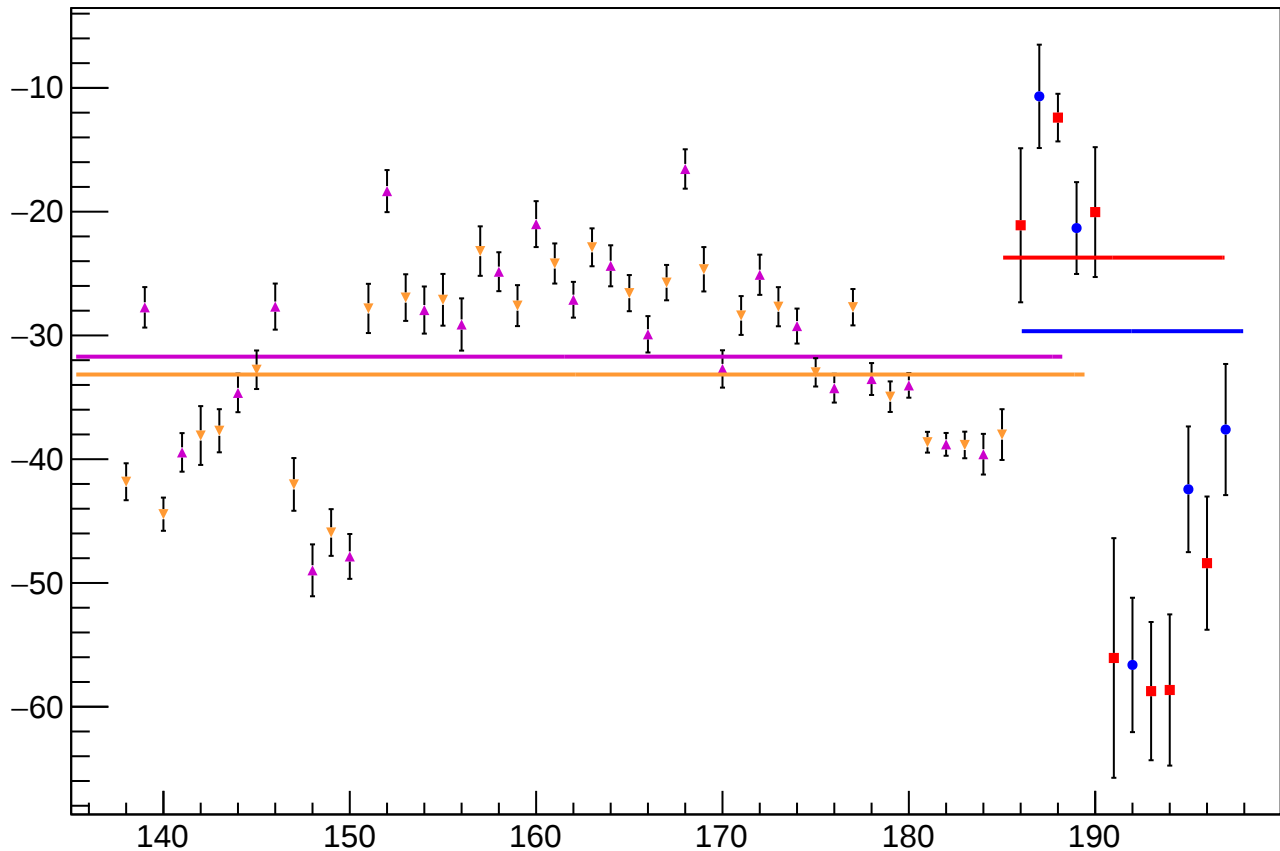
Left In: 0.544 $\pm$ 0.004 χ^2 /NDF:655.9/22

+ sign 0.541 $\pm$ 0.004 χ^2 /NDF: 1940.3/46

All: 0.536 $\pm$ 0.003 χ^2 /NDF: 5269.4/95

- sign 0.531 $\pm$ 0.004 χ^2 /NDF: 3325.9/48

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -29.656 ± 2.048 $\chi^2/\text{NDF}: 58.9/4$

Left Out: -33.157 ± 0.300 $\chi^2/\text{NDF}: 500.1/24$

Right Out: -23.711 ± 1.514 $\chi^2/\text{NDF}: 139.5/6$

Left In: -31.714 ± 0.309 $\chi^2/\text{NDF}: 542.3/22$

+ sign -33.083 ± 0.297 $\chi^2/\text{NDF}: 561.9/29$

All: -32.255 ± 0.212 $\chi^2/\text{NDF}: 1286.3/59$

- sign -31.394 ± 0.303 $\chi^2/\text{NDF}: 708.6/29$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -50.682 ± 0.699 $\chi^2/\text{NDF}: 1640.4/21$

Left Out: -34.287 ± 0.241 $\chi^2/\text{NDF}: 695.3/24$

Right Out: -53.705 ± 0.711 $\chi^2/\text{NDF}: 2308.6/25$

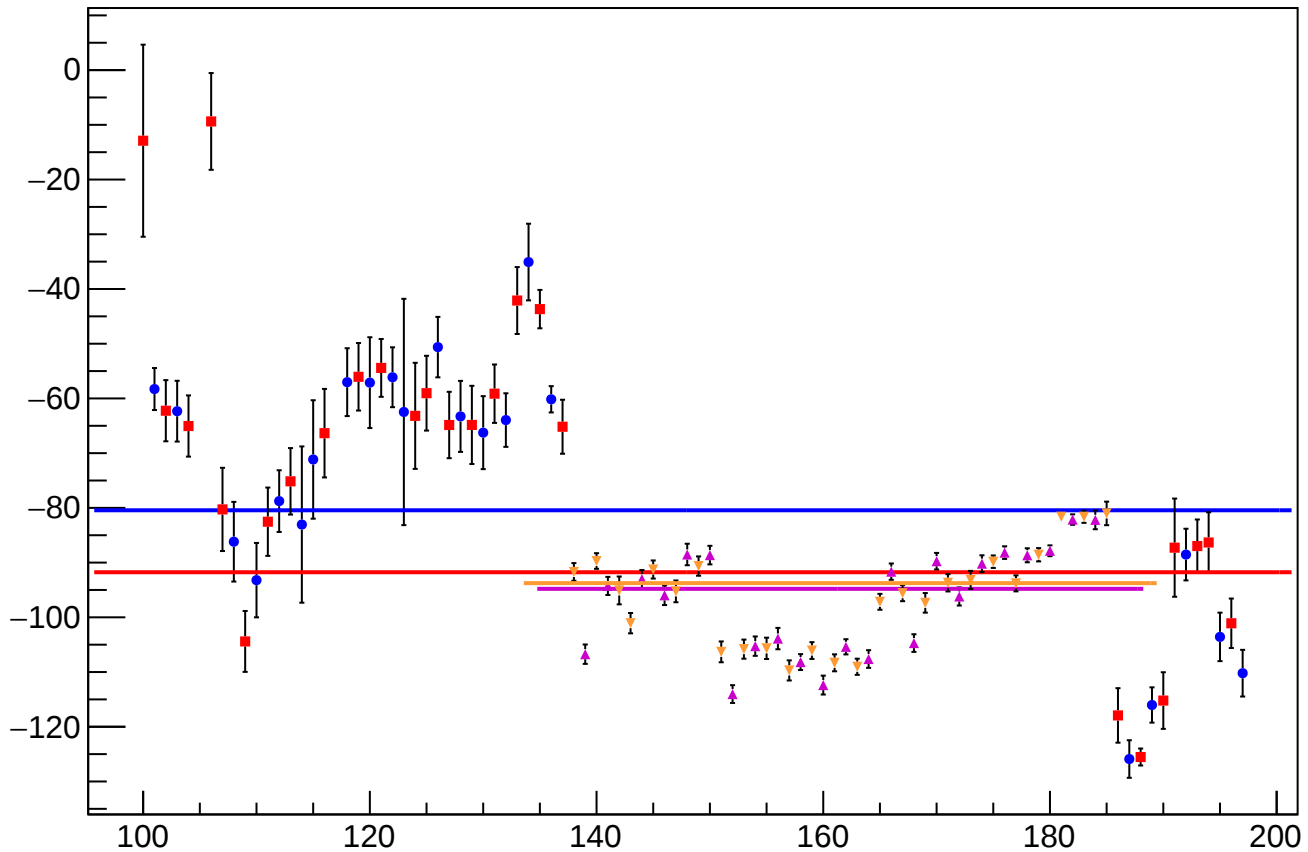
Left In: -34.145 ± 0.251 $\chi^2/\text{NDF}: 1452.6/22$

+ sign -36.034 ± 0.228 $\chi^2/\text{NDF}: 2826.9/46$

All: -36.168 ± 0.164 $\chi^2/\text{NDF}: 7262.3/95$

- sign -36.311 ± 0.237 $\chi^2/\text{NDF}: 4434.7/48$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -80.440 ± 1.049 χ^2/NDF : 633.0/21

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -91.762 ± 0.931 χ^2/NDF : 1182.6/25

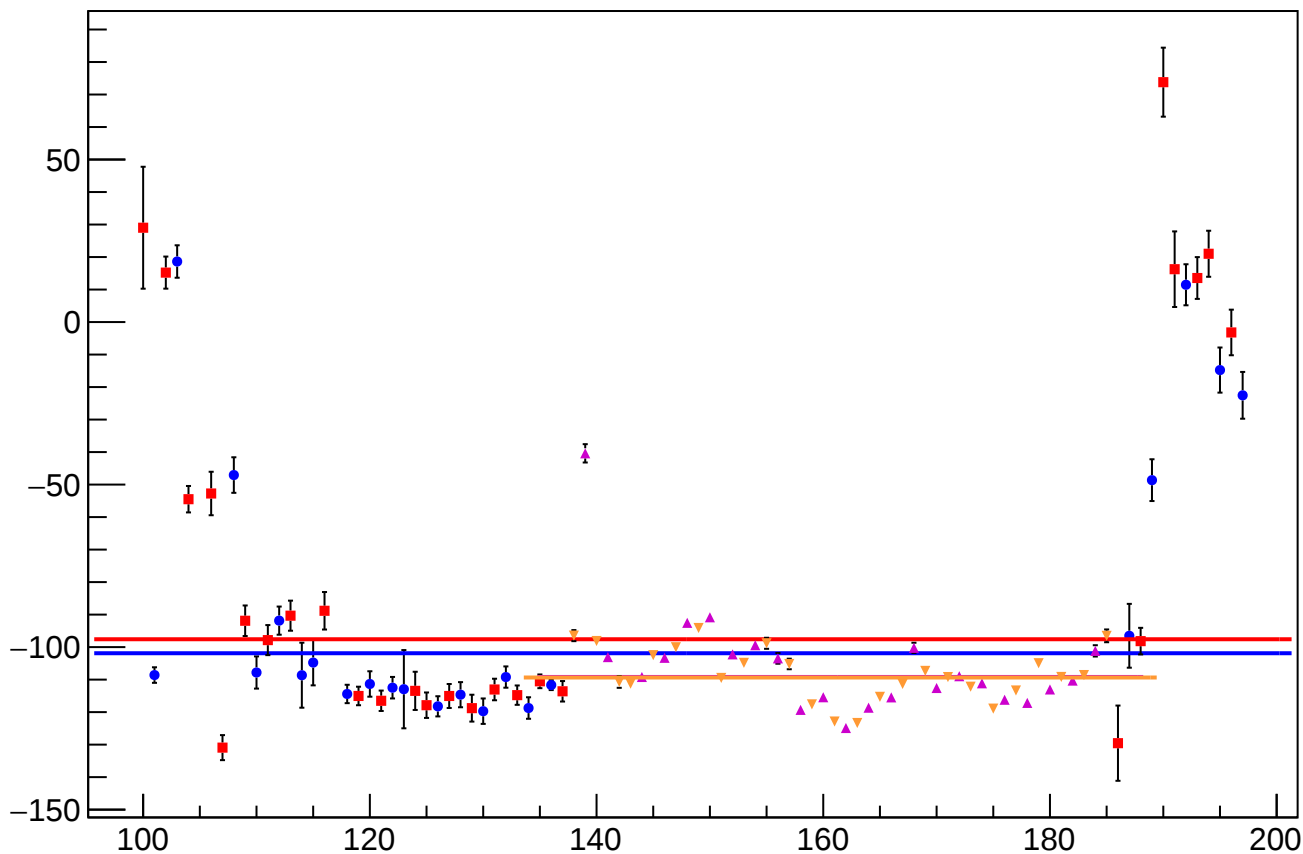
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -92.737 ± 0.290 χ^2/NDF : 1664.8/46

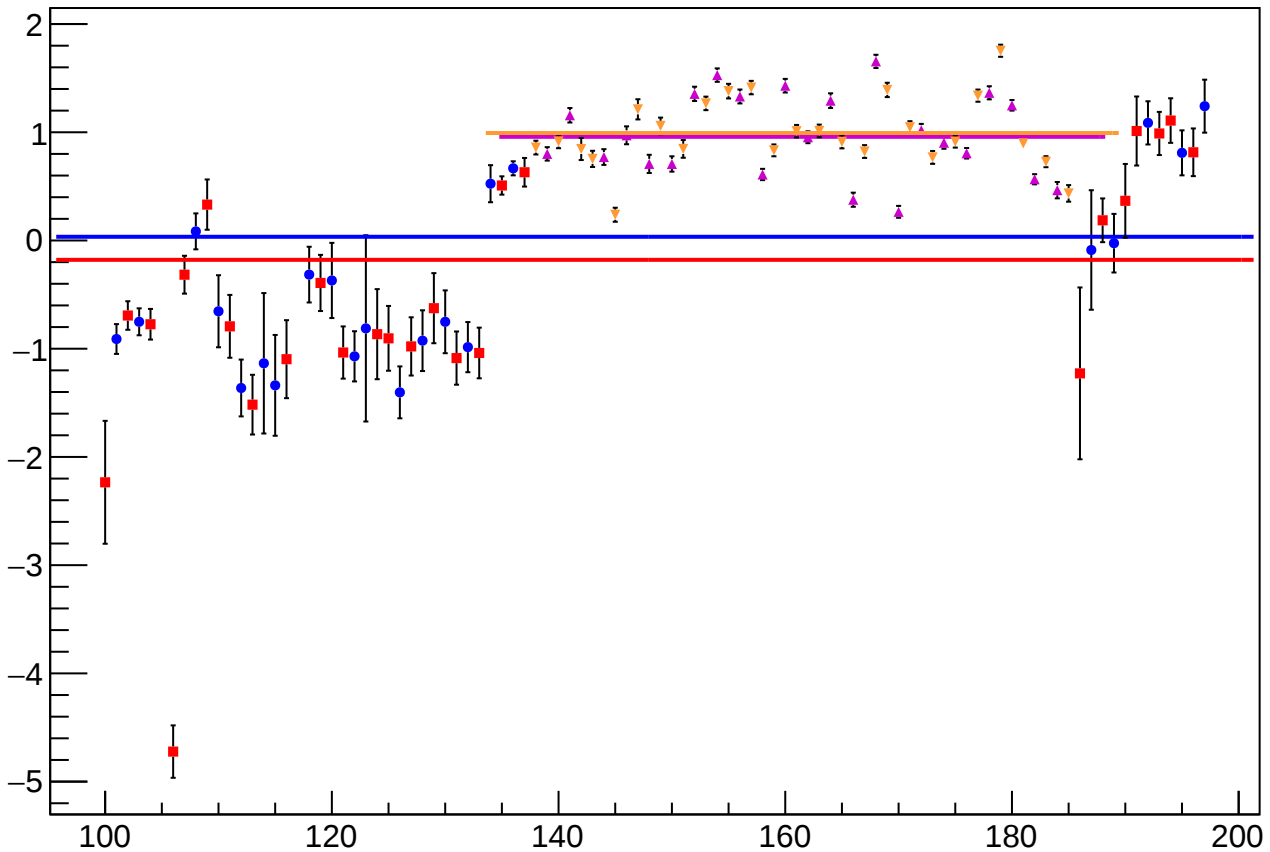
All: -93.608 ± 0.206 χ^2/NDF : 3849.8/95

- sign -94.496 ± 0.293 χ^2/NDF : 2166.8/48

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.034 ± 0.040 χ^2/NDF : 401.9/21

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: -0.179 ± 0.040 χ^2/NDF : 716.3/25

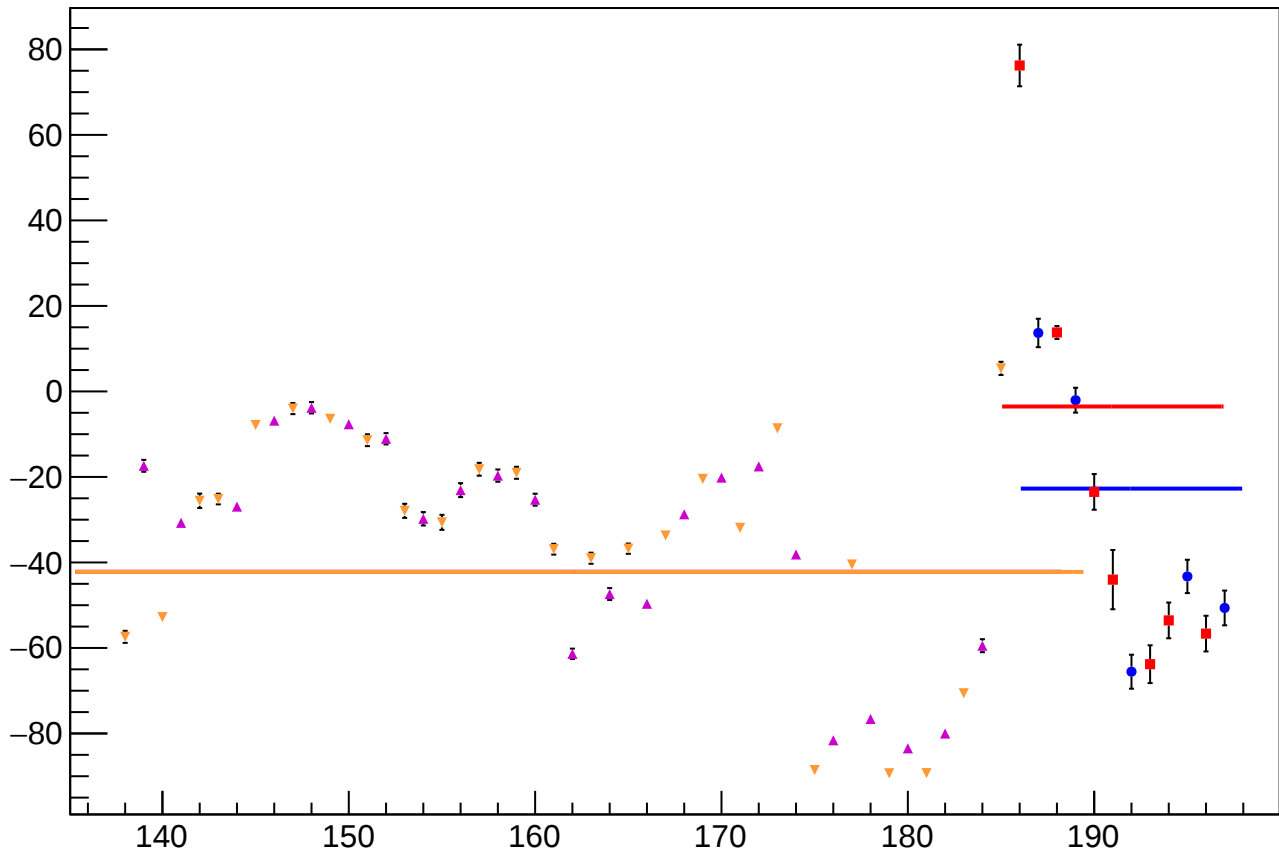
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.907 ± 0.012 χ^2/NDF : 1576.5/46

All: 0.881 ± 0.008 χ^2/NDF : 3935.7/95

- sign 0.854 ± 0.012 χ^2/NDF : 2349.3/48

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -22.728 ± 1.585 $\chi^2/\text{NDF}: 361.3/4$

Left Out: -42.213 ± 0.222 $\chi^2/\text{NDF}: 18309.1/24$

Right Out: -3.528 ± 1.174 $\chi^2/\text{NDF}: 948.7/6$

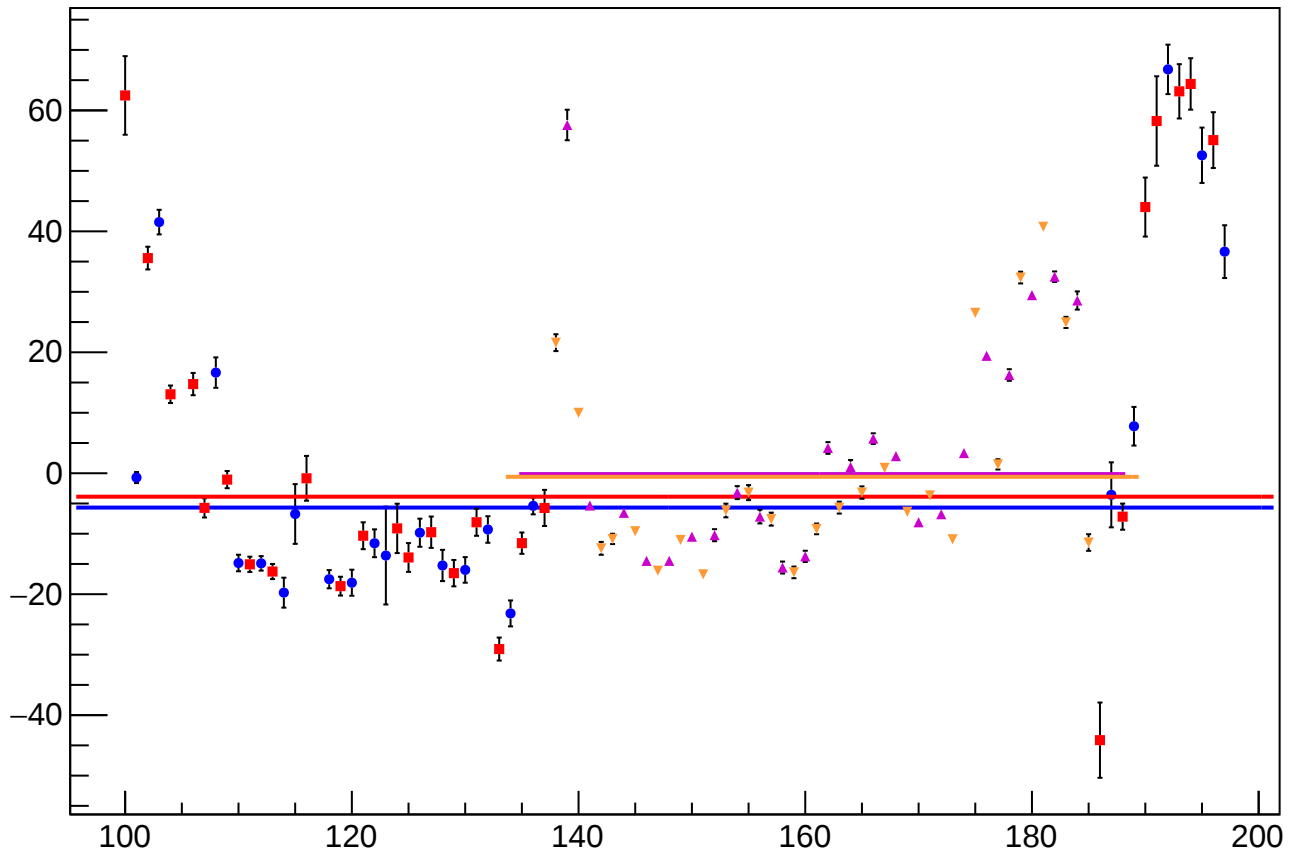
Left In: -42.176 ± 0.227 $\chi^2/\text{NDF}: 14575.9/22$

+ sign -41.838 ± 0.220 $\chi^2/\text{NDF}: 18818.7/29$

All: -41.317 ± 0.157 $\chi^2/\text{NDF}: 35400.1/59$

- sign -40.781 ± 0.223 $\chi^2/\text{NDF}: 16570.1/29$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -5.677 ± 0.419 χ^2/NDF : 1585.4/21

Left Out: -0.590 ± 0.174 χ^2/NDF : 8750.9/24

Right Out: -3.878 ± 0.412 χ^2/NDF : 2176.6/25

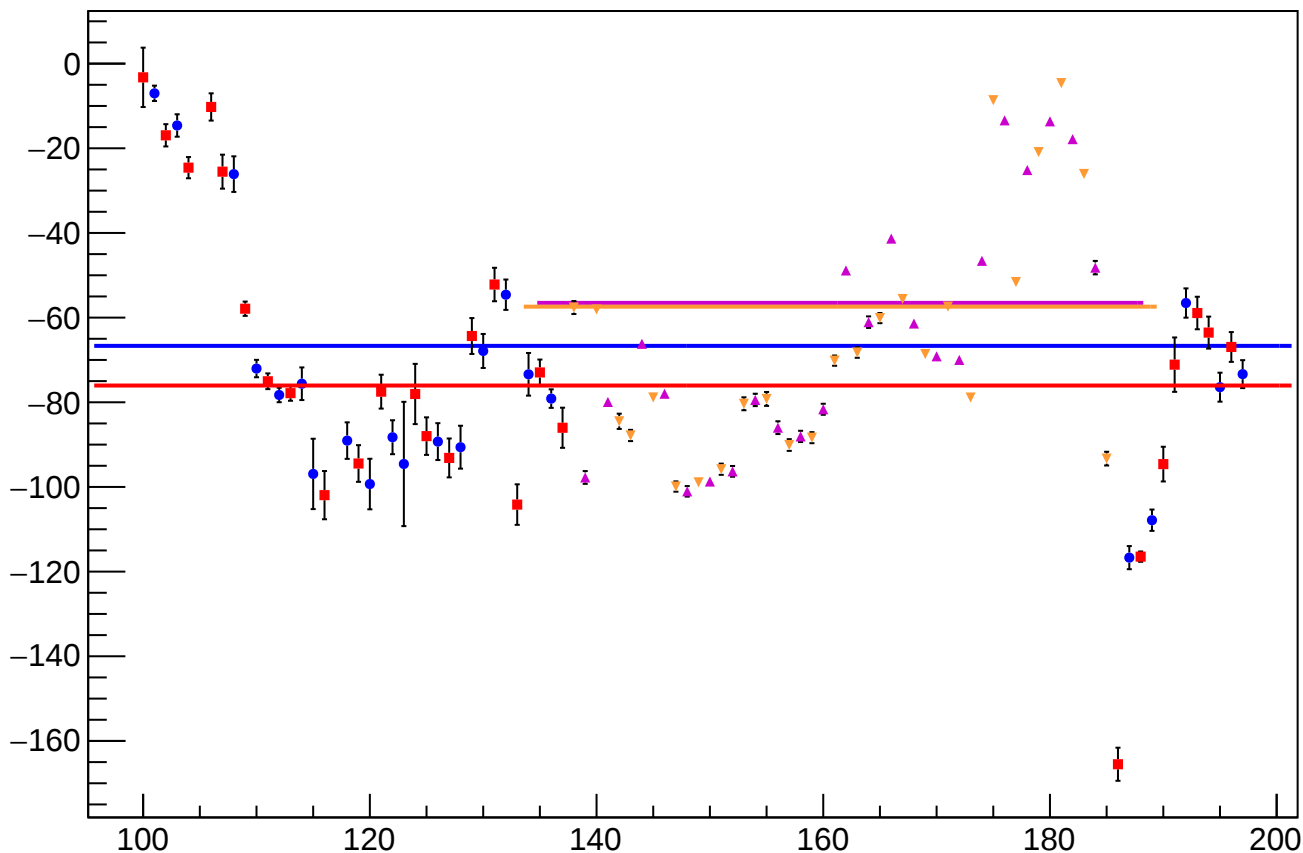
Left In: -0.142 ± 0.179 χ^2/NDF : 6862.5/22

+ sign -1.338 ± 0.161 χ^2/NDF : 10461.8/46

All: -1.043 ± 0.115 χ^2/NDF : 19576.7/95

- sign -0.735 ± 0.164 χ^2/NDF : 9108.0/48

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -66.674 $\pm$ 0.653 χ^2 /NDF: 2437.0/21

Left Out: -57.413 $\pm$ 0.223 χ^2 /NDF:18604.1/24

Right Out: -76.043 $\pm$ 0.572 χ^2 /NDF: 3555.0/25

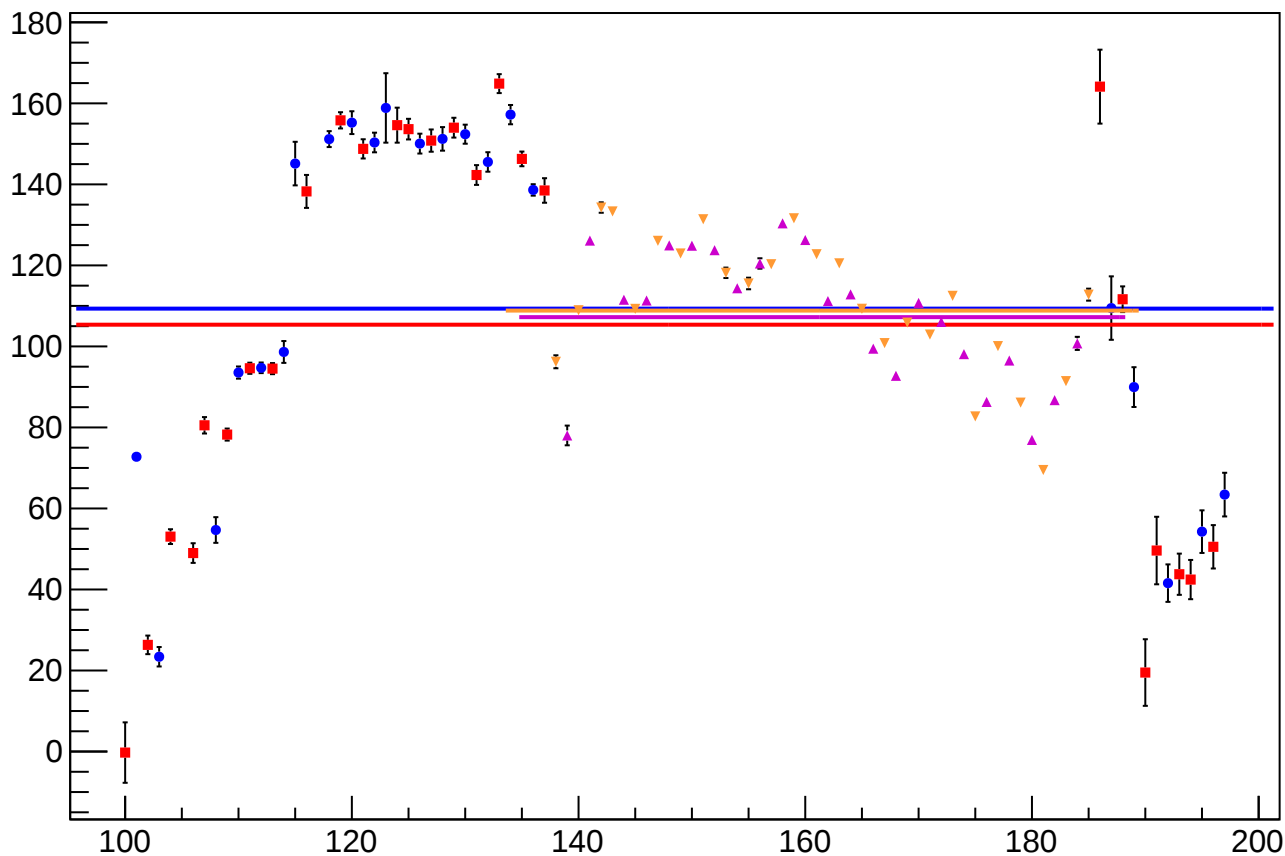
Left In: -56.519 $\pm$ 0.227 χ^2 /NDF:16352.6/22

+ sign -58.382 $\pm$ 0.211 χ^2 /NDF: 21221.1/46

All: -58.778 $\pm$ 0.149 χ^2 /NDF: 42141.4/95

- sign -59.174 $\pm$ 0.211 χ^2 /NDF: 20913.3/48

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 109.329 $\pm$ 0.480 χ^2 /NDF: 6289.6/21

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 105.362 $\pm$ 0.474 χ^2 /NDF: 7676.4/25

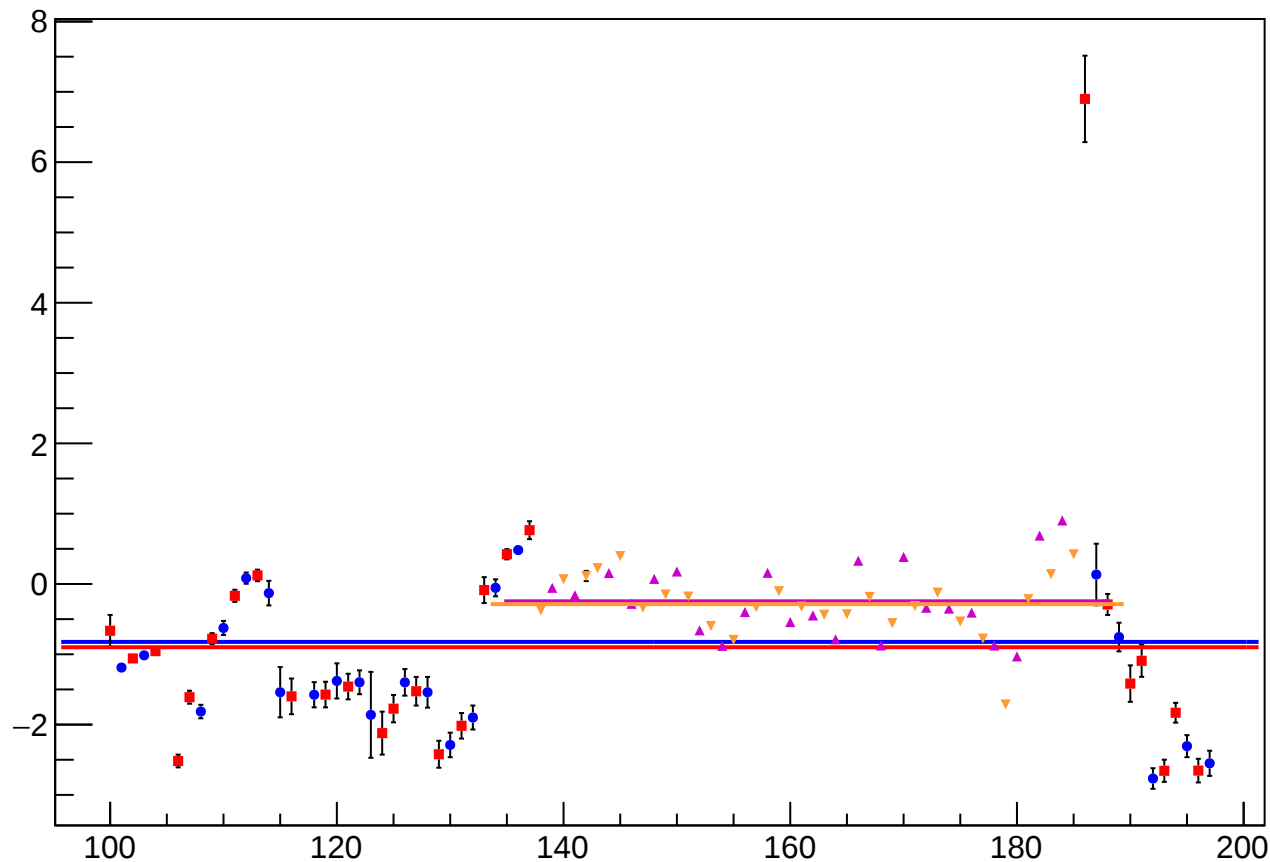
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 108.916 $\pm$ 0.182 χ^2 /NDF: 13690.7/46

All: 107.946 $\pm$ 0.130 χ^2 /NDF: 27003.1/95

- sign 106.938 $\pm$ 0.186 χ^2 /NDF: 13254.8/48

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.824 ± 0.025 χ^2/NDF : 1378.8/21

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.900 ± 0.023 χ^2/NDF : 1773.6/25

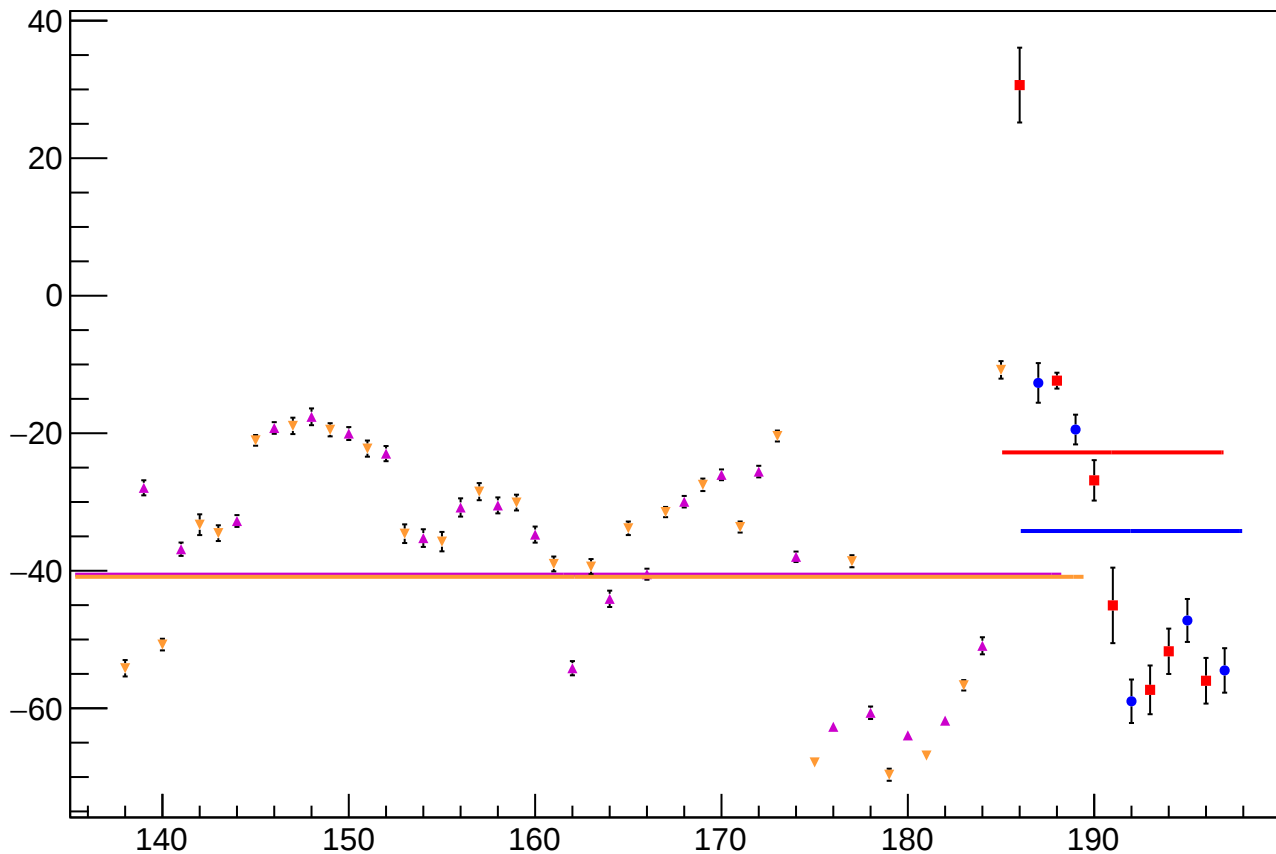
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.351 ± 0.009 χ^2/NDF : 3849.5/46

All: -0.344 ± 0.006 χ^2/NDF : 9111.2/95

- sign -0.338 ± 0.009 χ^2/NDF : 5260.5/48

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -34.220 ± 1.258 $\chi^2/\text{NDF}: 220.3/4$

Left Out: -40.880 ± 0.186 $\chi^2/\text{NDF}: 9123.2/24$

Right Out: -22.788 ± 0.915 $\chi^2/\text{NDF}: 468.2/6$

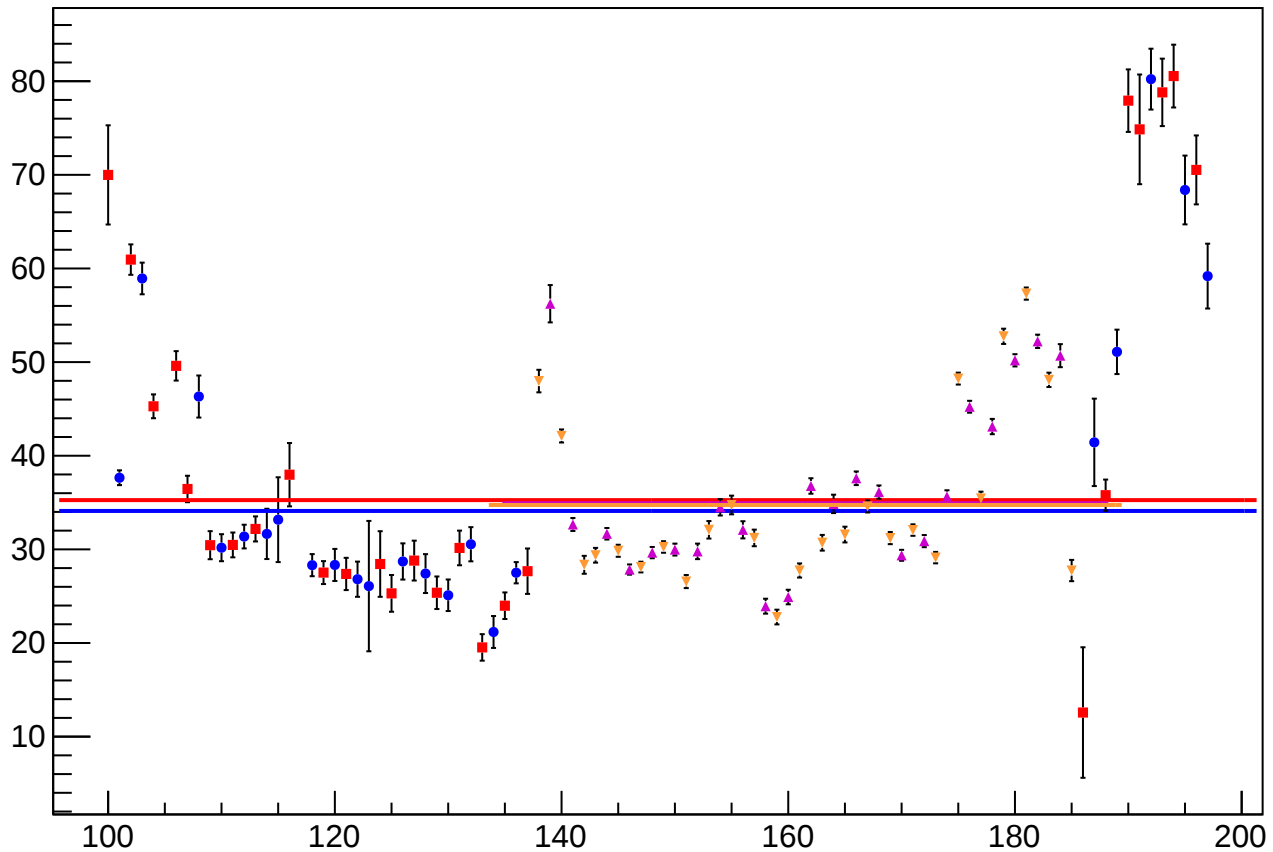
Left In: -40.567 ± 0.190 $\chi^2/\text{NDF}: 6954.7/22$

+ sign -40.737 ± 0.184 $\chi^2/\text{NDF}: 9371.0/29$

All: -40.289 ± 0.131 $\chi^2/\text{NDF}: 17167.9/59$

- sign -39.833 ± 0.186 $\chi^2/\text{NDF}: 7785.0/29$

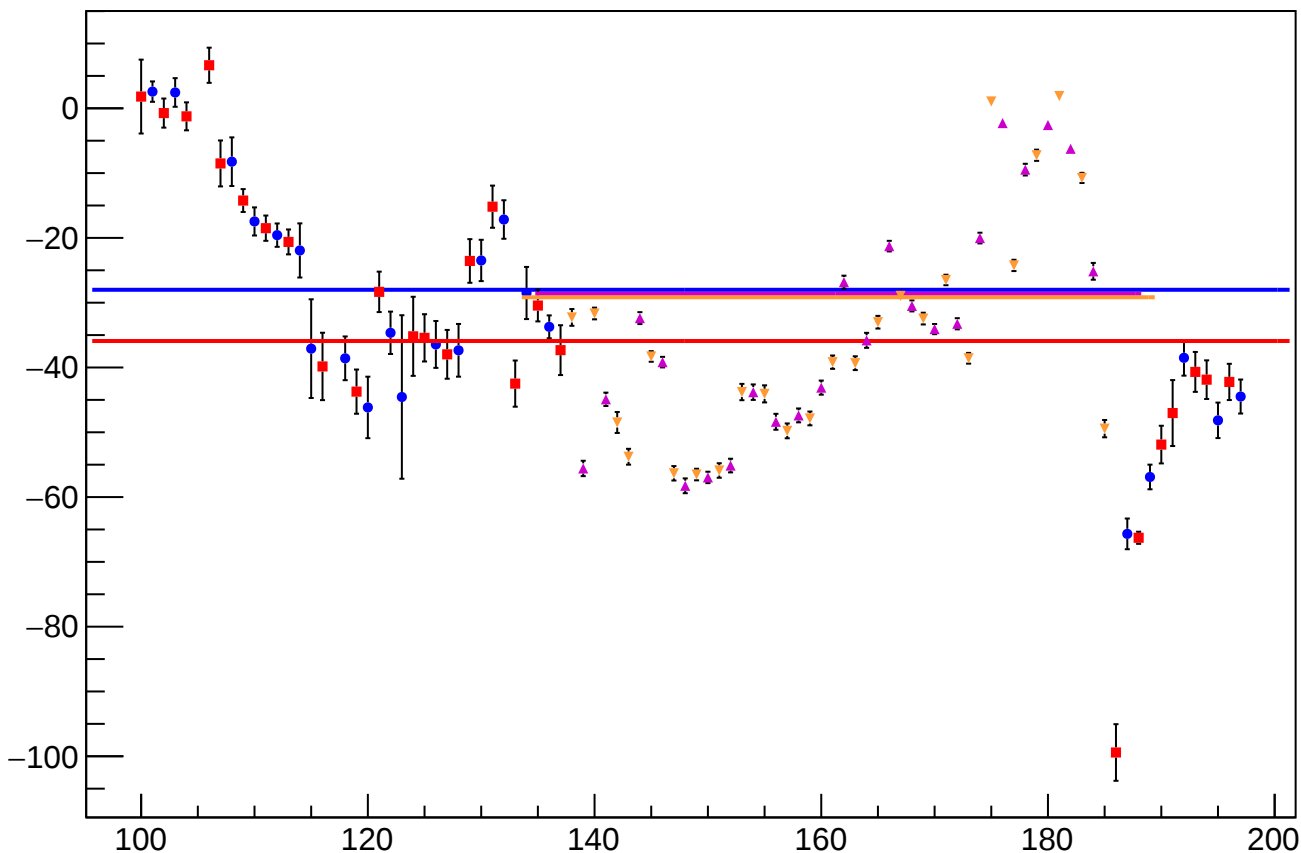
reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 34.103 $\pm$ 0.364 χ^2 /NDF: 866.7/21
 Left Out: 34.741 $\pm$ 0.147 χ^2 /NDF: 3693.2/24
 Right Out: 35.260 $\pm$ 0.361 χ^2 /NDF: 1444.2/25
 Left In: 34.922 $\pm$ 0.152 χ^2 /NDF: 2672.9/22

+ sign 34.651 $\pm$ 0.137 χ^2 /NDF: 4562.5/46
 All: 34.808 $\pm$ 0.098 χ^2 /NDF: 8683.1/95
 - sign 34.973 $\pm$ 0.140 χ^2 /NDF: 4117.9/48

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -28.008 ± 0.568 χ^2/NDF : 1302.6/21

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -35.913 ± 0.493 χ^2/NDF : 2535.9/25

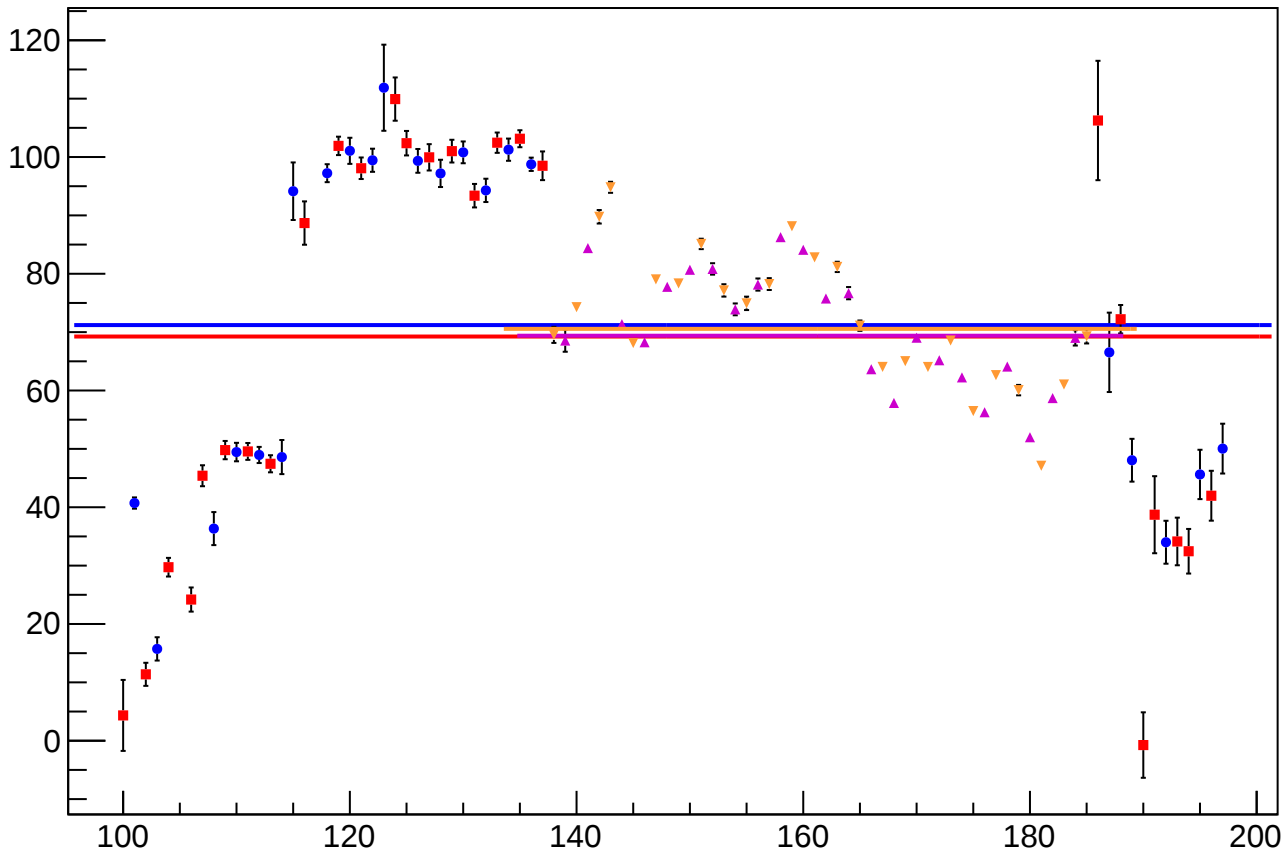
Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

+ sign -29.050 ± 0.178 χ^2/NDF : 11432.4/46

All: -29.304 ± 0.125 χ^2/NDF : 23203.8/95

- sign -29.557 ± 0.177 χ^2/NDF : 11767.3/48

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 71.209 ± 0.418 χ^2/NDF : 4885.7/21

Left Out: 70.563 ± 0.166 χ^2/NDF : 4589.1/24

Right Out: 69.248 ± 0.418 χ^2/NDF : 5906.3/25

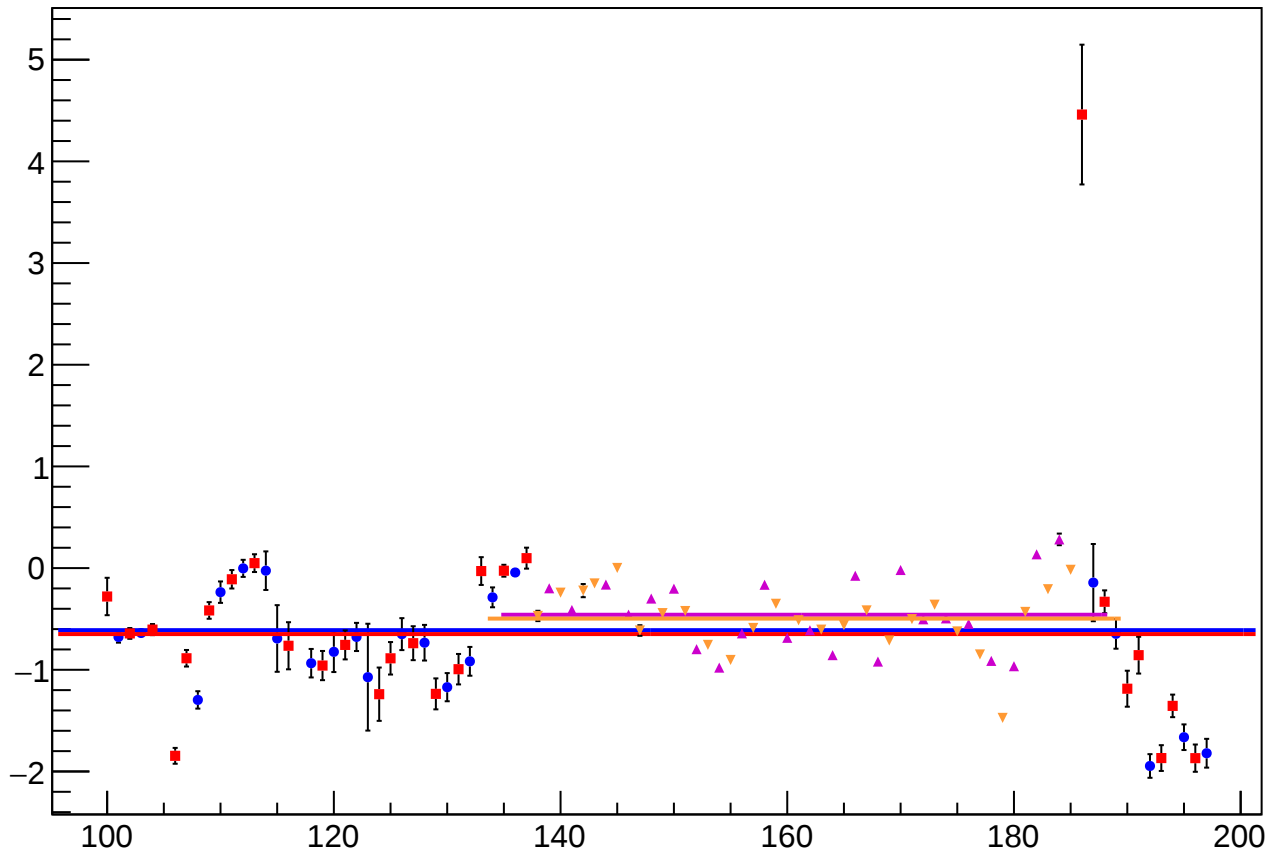
Left In: 69.387 ± 0.170 χ^2/NDF : 3321.8/22

+ sign 70.651 ± 0.154 χ^2/NDF : 9476.8/46

All: 70.022 ± 0.110 χ^2/NDF : 18738.9/95

- sign 69.367 ± 0.158 χ^2/NDF : 9228.3/48

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.610 ± 0.021 χ^2/NDF : 603.4/21

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.649 ± 0.020 χ^2/NDF : 866.2/25

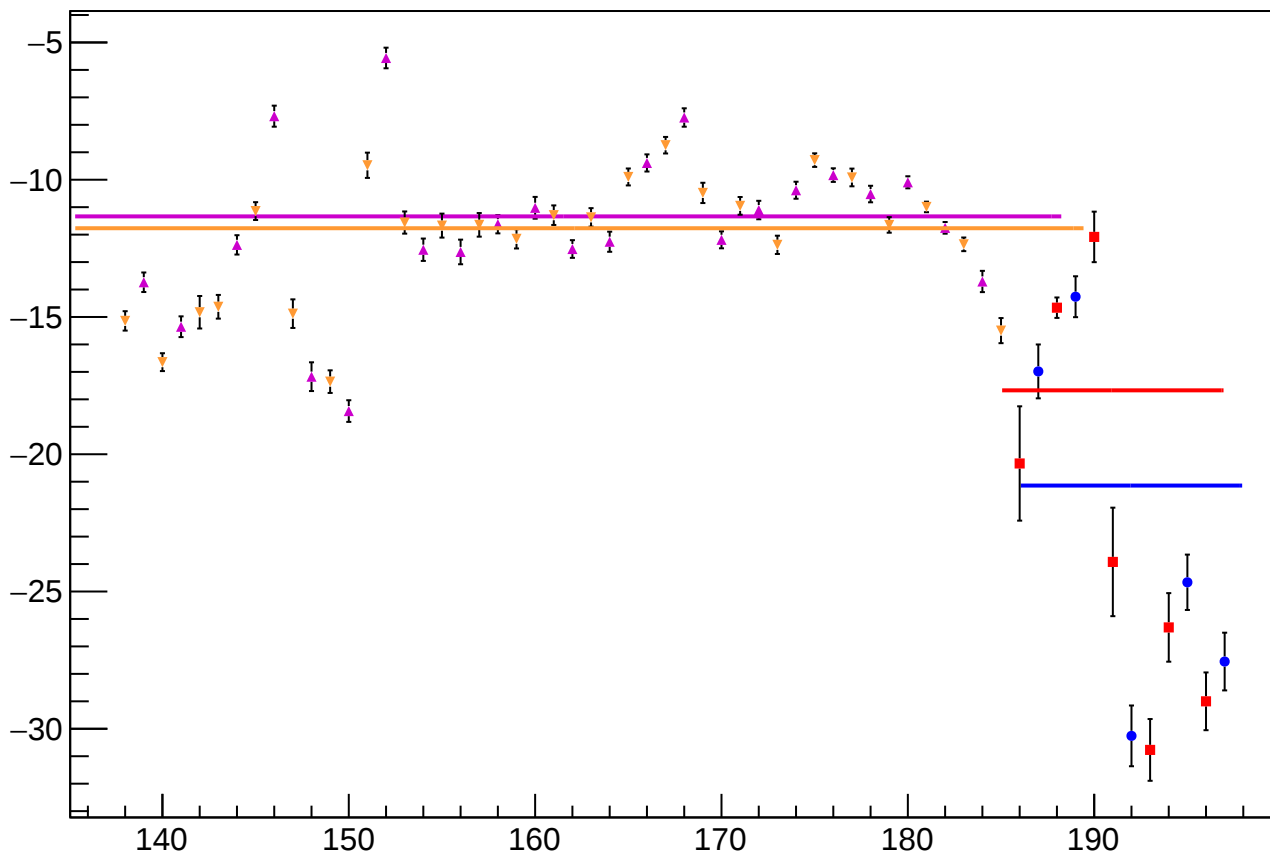
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.510 ± 0.007 χ^2/NDF : 2078.3/46

All: -0.497 ± 0.005 χ^2/NDF : 4988.6/95

- sign -0.484 ± 0.007 χ^2/NDF : 2903.7/48

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -21.141 ± 0.425 χ^2/NDF : 220.5/4
 Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24
 Right Out: -17.672 ± 0.299 χ^2/NDF : 413.3/6
 Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign -11.992 ± 0.066 χ^2/NDF : 1716.9/29
 All: -11.822 ± 0.047 χ^2/NDF : 3841.3/59
 - sign -11.649 ± 0.066 χ^2/NDF : 2110.9/29

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.686 ± 0.145 χ^2/NDF : 1598.2/21

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -34.964 ± 0.140 χ^2/NDF : 2128.0/25

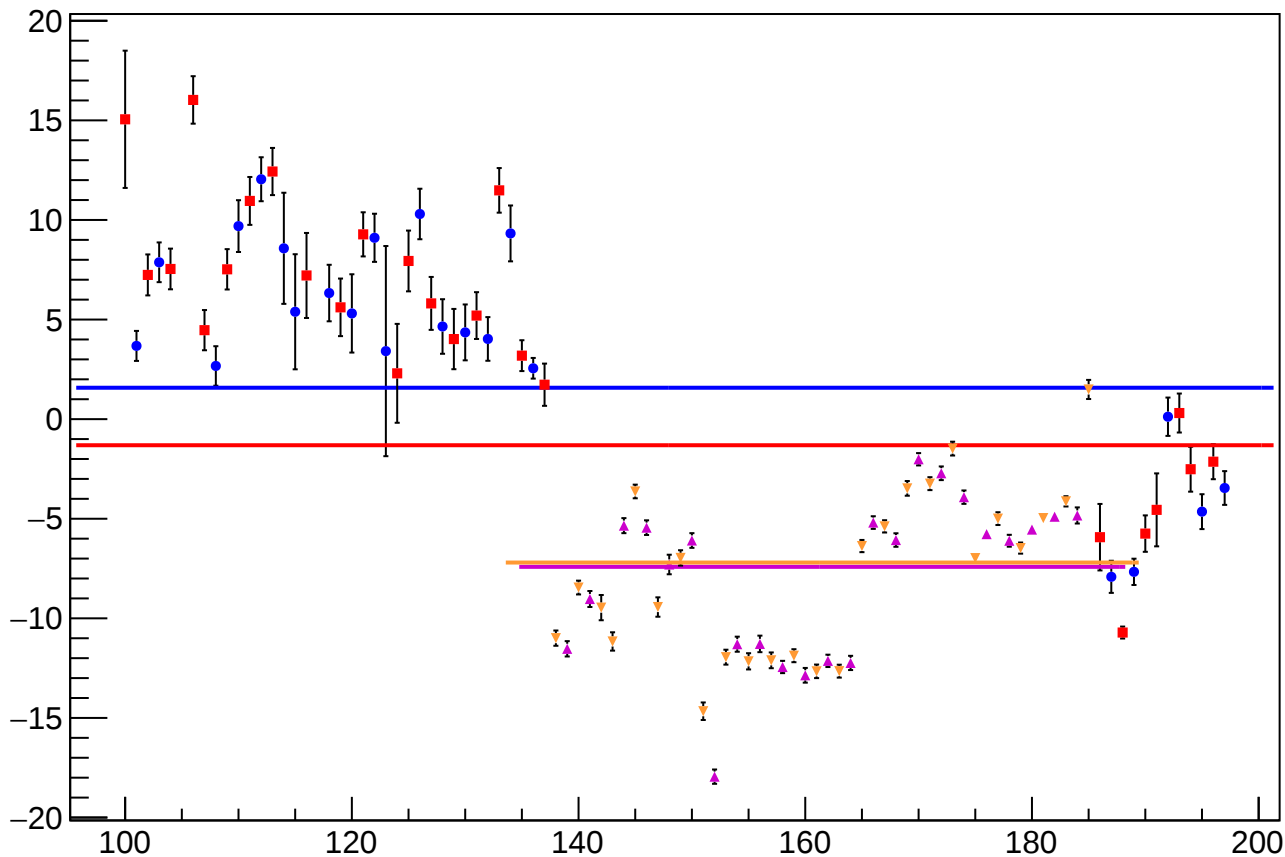
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -30.753 ± 0.050 χ^2/NDF : 3166.5/46

All: -30.765 ± 0.036 χ^2/NDF : 7548.2/95

- sign -30.778 ± 0.052 χ^2/NDF : 4381.6/48

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 1.577 ± 0.217 χ^2/NDF : 757.8/21

Left Out: -7.199 ± 0.067 χ^2/NDF : 3037.3/24

Right Out: -1.310 ± 0.185 χ^2/NDF : 2159.2/25

Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.437 ± 0.064 χ^2/NDF : 5290.3/46

All: -6.563 ± 0.045 χ^2/NDF : 11543.1/95

- sign -6.689 ± 0.064 χ^2/NDF : 6245.1/48

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -4.890 ± 0.165 χ^2/NDF : 2327.8/21

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -4.009 ± 0.164 χ^2/NDF : 2696.4/25

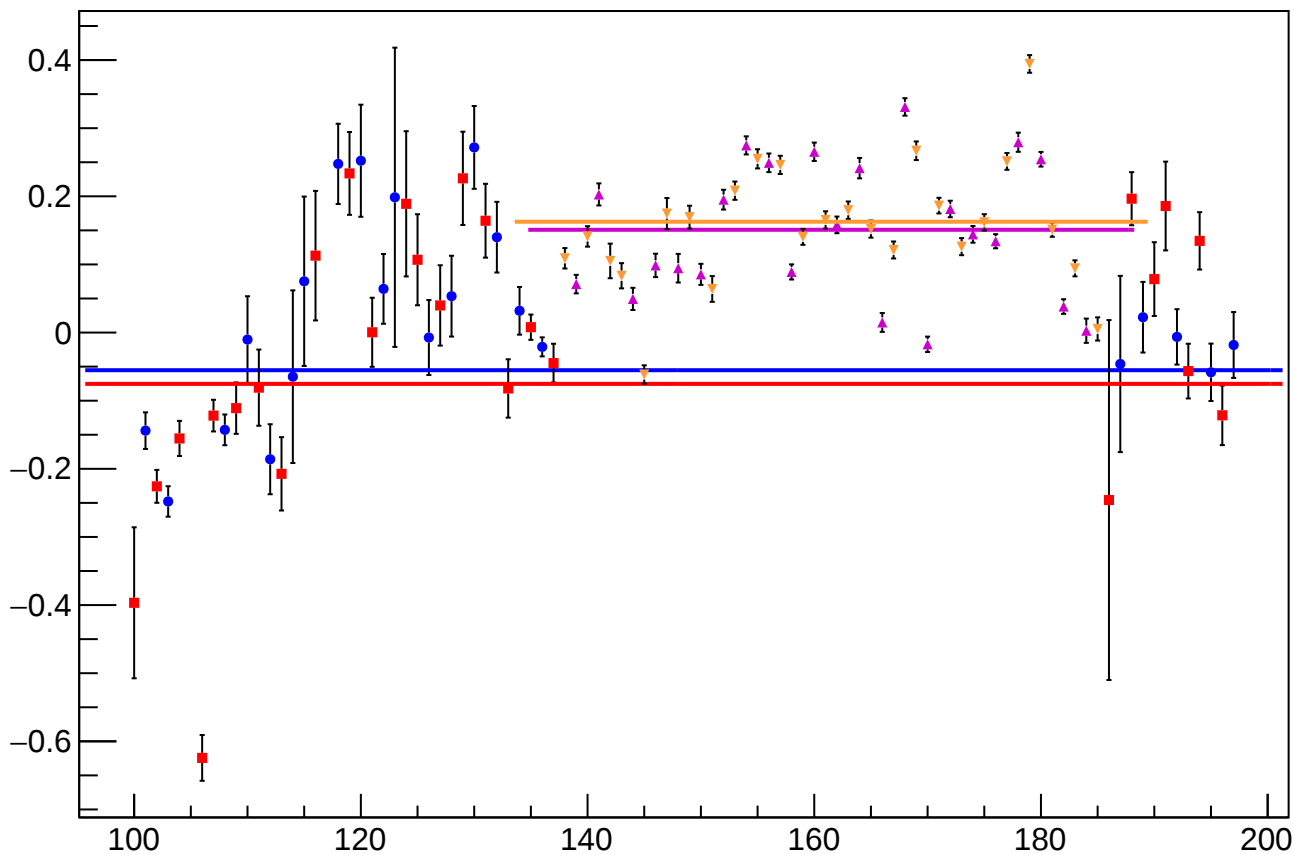
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.493 ± 0.057 χ^2/NDF : 3744.2/46

All: -8.397 ± 0.040 χ^2/NDF : 8758.1/95

- sign -8.296 ± 0.058 χ^2/NDF : 5007.9/48

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.055 ± 0.008 $\chi^2/\text{NDF}: 219.2/21$

Left Out: 0.163 ± 0.003 $\chi^2/\text{NDF}: 1018.1/24$

Right Out: -0.075 ± 0.008 $\chi^2/\text{NDF}: 543.6/25$

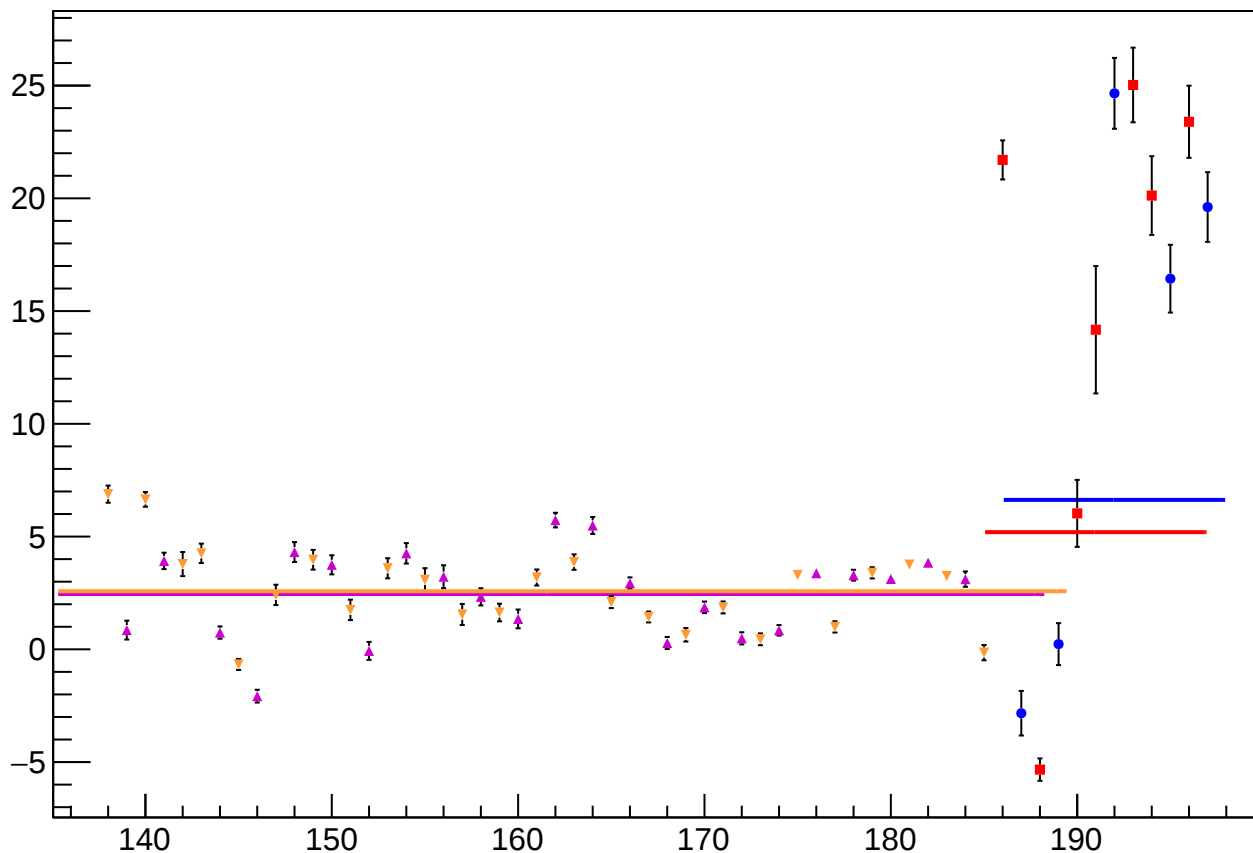
Left In: 0.151 ± 0.003 $\chi^2/\text{NDF}: 1286.5/22$

+ sign 0.139 ± 0.003 $\chi^2/\text{NDF}: 1923.0/46$

All: 0.132 ± 0.002 $\chi^2/\text{NDF}: 4537.6/95$

- sign 0.125 ± 0.003 $\chi^2/\text{NDF}: 2599.1/48$

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 6.628 ± 0.539 $\chi^2/\text{NDF}: 383.8/4$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 5.197 ± 0.376 $\chi^2/\text{NDF}: 1169.8/6$

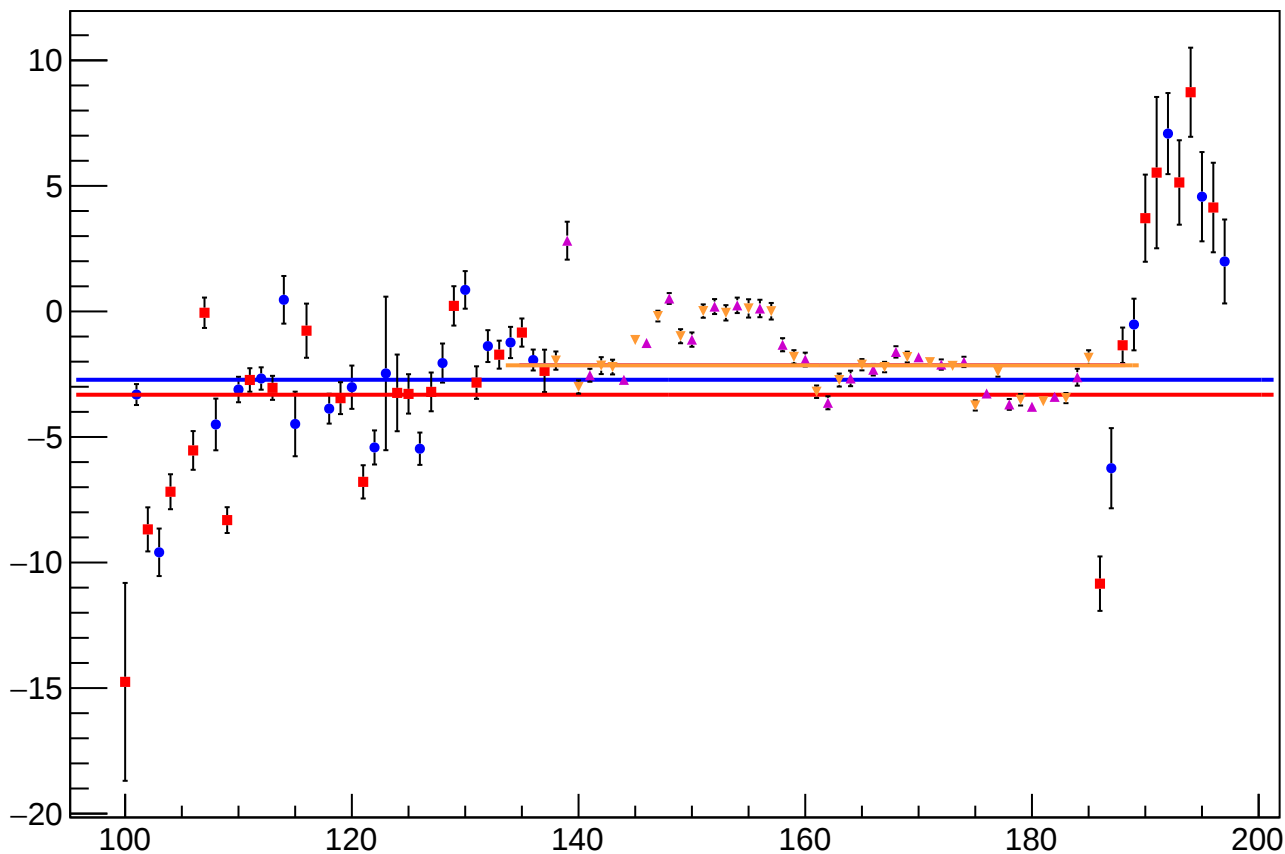
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.624 ± 0.058 $\chi^2/\text{NDF}: 1307.1/29$

All: 2.572 ± 0.041 $\chi^2/\text{NDF}: 3401.6/59$

- sign 2.519 ± 0.059 $\chi^2/\text{NDF}: 2092.9/29$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.721 ± 0.151 $\chi^2/\text{NDF}: 217.7/21$

Left Out: -2.146 ± 0.048 $\chi^2/\text{NDF}: 573.4/24$

Right Out: -3.317 ± 0.147 $\chi^2/\text{NDF}: 463.1/25$

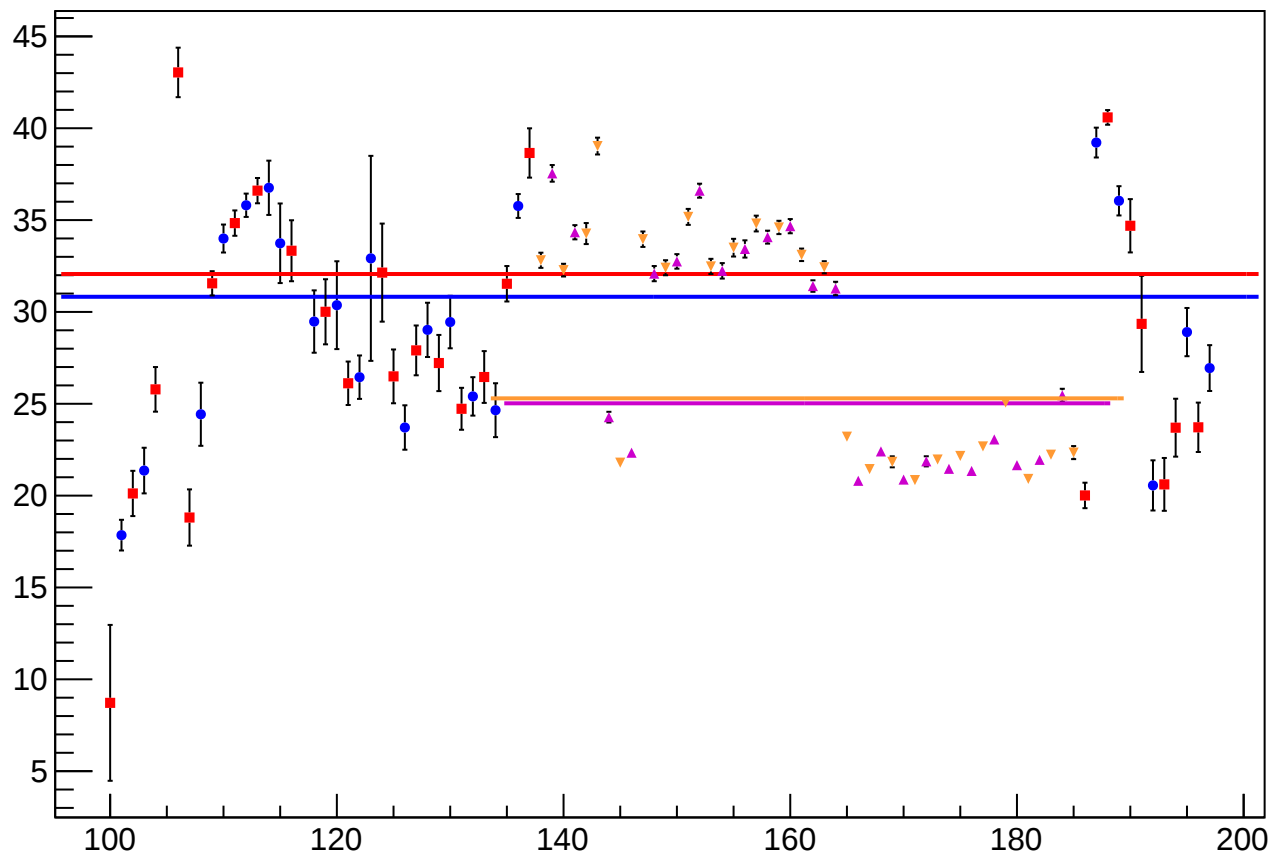
Left In: -2.136 ± 0.048 $\chi^2/\text{NDF}: 691.2/22$

+ sign -2.198 ± 0.045 $\chi^2/\text{NDF}: 804.3/46$

All: -2.224 ± 0.032 $\chi^2/\text{NDF}: 2017.3/95$

- sign -2.251 ± 0.046 $\chi^2/\text{NDF}: 1212.2/48$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 30.825+/-0.231 χ^2/NDF : 782.3/21

Left Out: 25.296+/-0.059 χ^2/NDF : 8272.3/24

Right Out: 32.064+/-0.199 χ^2/NDF : 1385.8/25

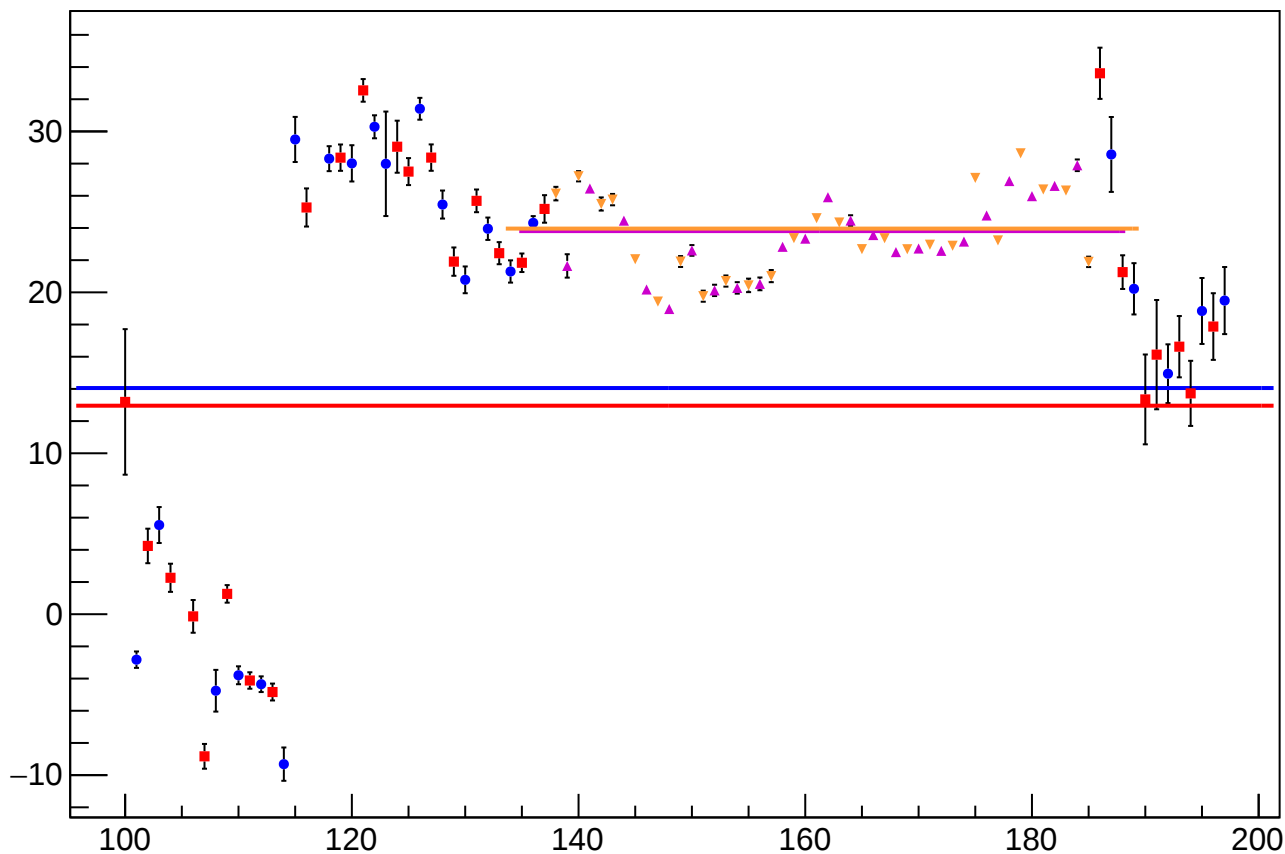
Left In: 25.025+/-0.060 χ^2/NDF : 7610.5/22

+ sign 25.634+/-0.057 χ^2/NDF : 9594.0/46

All: 25.618+/-0.040 χ^2/NDF : 19733.6/95

- sign 25.602+/-0.057 χ^2/NDF : 10139.5/48

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.054 $\pm$ 0.170 χ^2 /NDF: 7342.9/21

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 12.956 $\pm$ 0.168 χ^2 /NDF: 7204.9/25

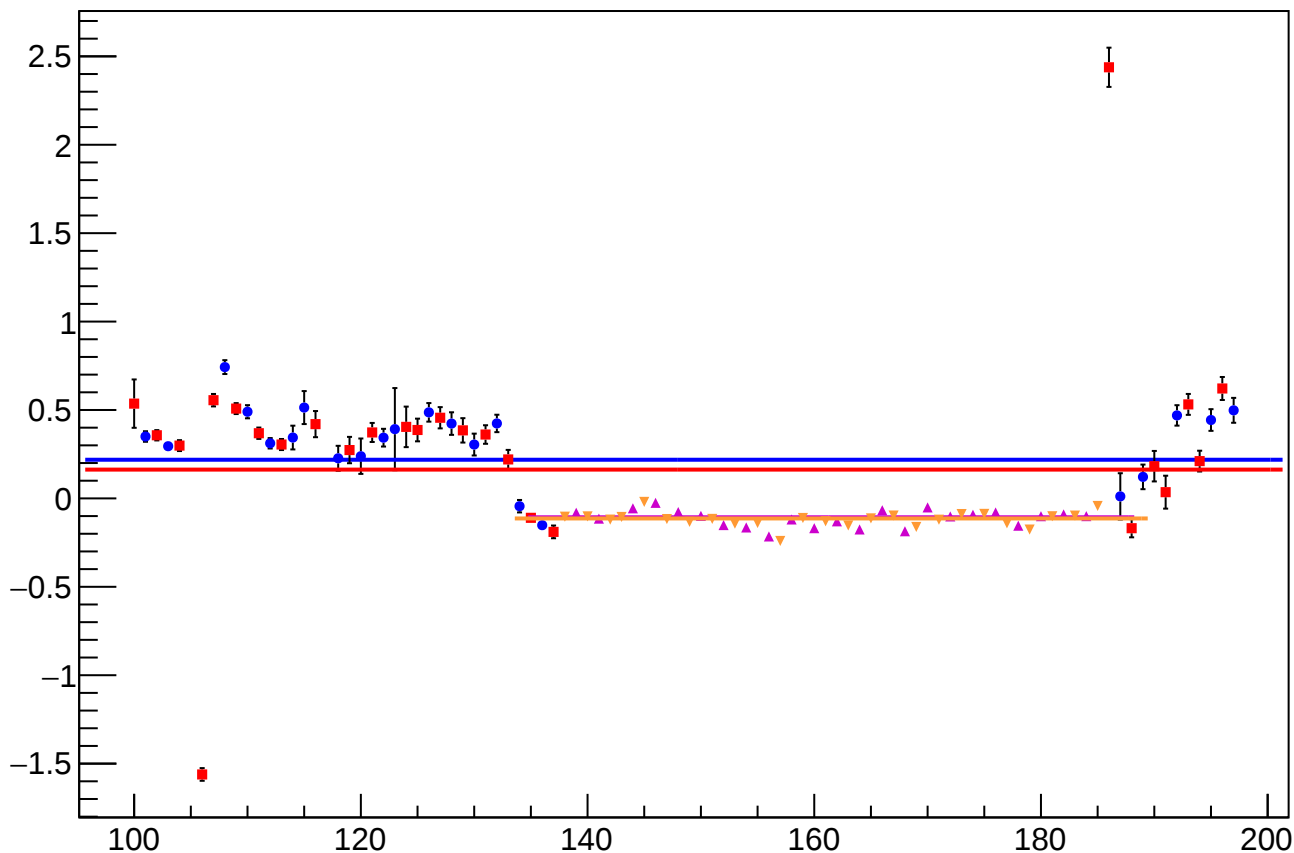
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.076 $\pm$ 0.051 χ^2 /NDF: 12371.4/46

All: 22.936 $\pm$ 0.036 χ^2 /NDF: 25120.5/95

- sign 22.791 $\pm$ 0.051 χ^2 /NDF: 12733.4/48

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.219 ± 0.009 χ^2/NDF : 901.1/21

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.163 ± 0.009 χ^2/NDF : 3573.2/25

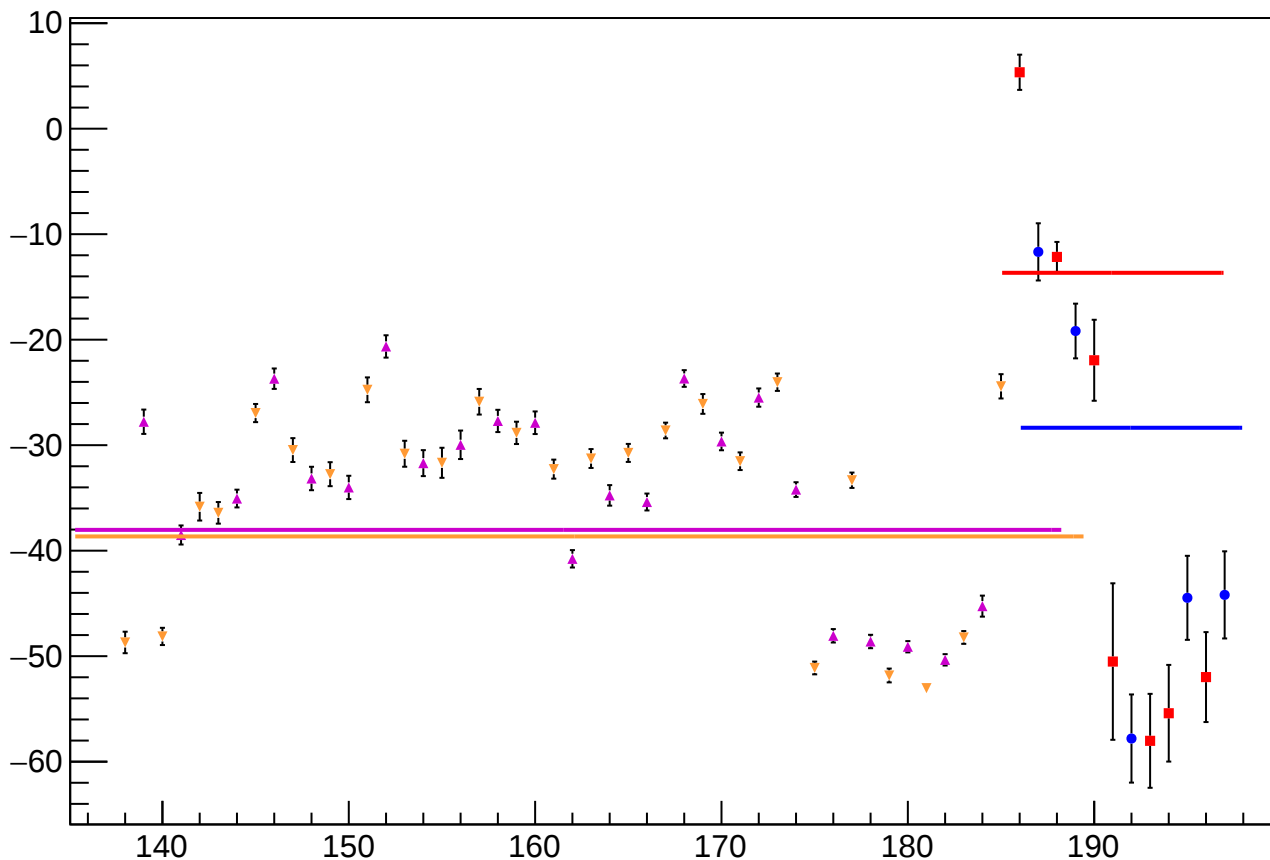
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.091 ± 0.002 χ^2/NDF : 2465.6/46

All: -0.089 ± 0.002 χ^2/NDF : 7255.7/95

- sign -0.087 ± 0.002 χ^2/NDF : 4788.4/48

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -28.349 ± 1.468 χ^2/NDF : 131.1/4

Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24

Right Out: -13.661 ± 0.956 χ^2/NDF : 423.3/6

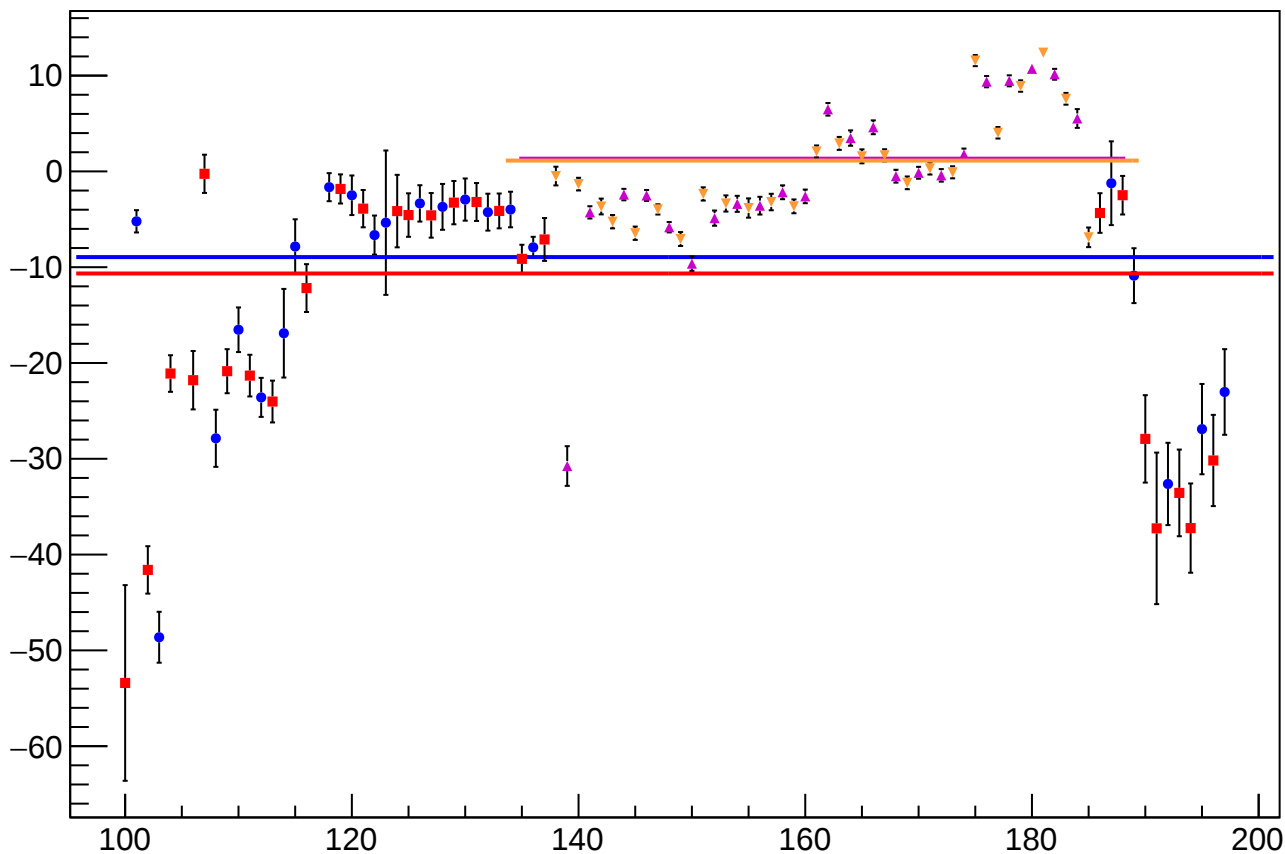
Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -38.515 ± 0.168 χ^2/NDF : 4256.9/29

All: -37.893 ± 0.120 χ^2/NDF : 8428.3/59

- sign -37.253 ± 0.170 χ^2/NDF : 4143.6/29

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.945 ± 0.451 χ^2/NDF : 468.4/21

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -10.657 ± 0.455 χ^2/NDF : 556.4/25

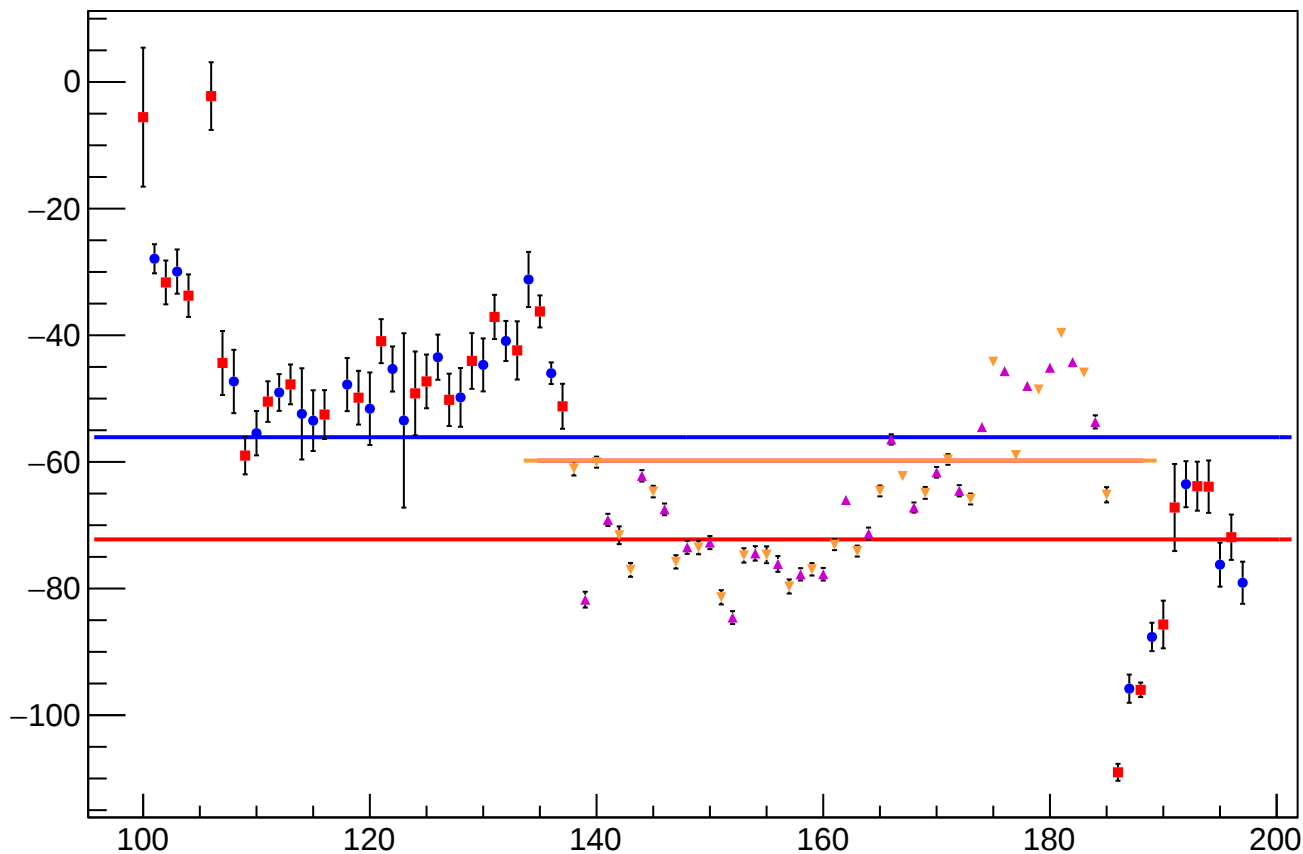
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign 0.290 ± 0.130 χ^2/NDF : 2725.3/46

All: 0.293 ± 0.093 χ^2/NDF : 5962.6/95

- sign 0.297 ± 0.134 χ^2/NDF : 3237.3/48

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -56.100 ± 0.695 $\chi^2/\text{NDF}: 943.6/21$

Left Out: -59.789 ± 0.170 $\chi^2/\text{NDF}: 5837.7/24$

Right Out: -72.238 ± 0.583 $\chi^2/\text{NDF}: 2474.5/25$

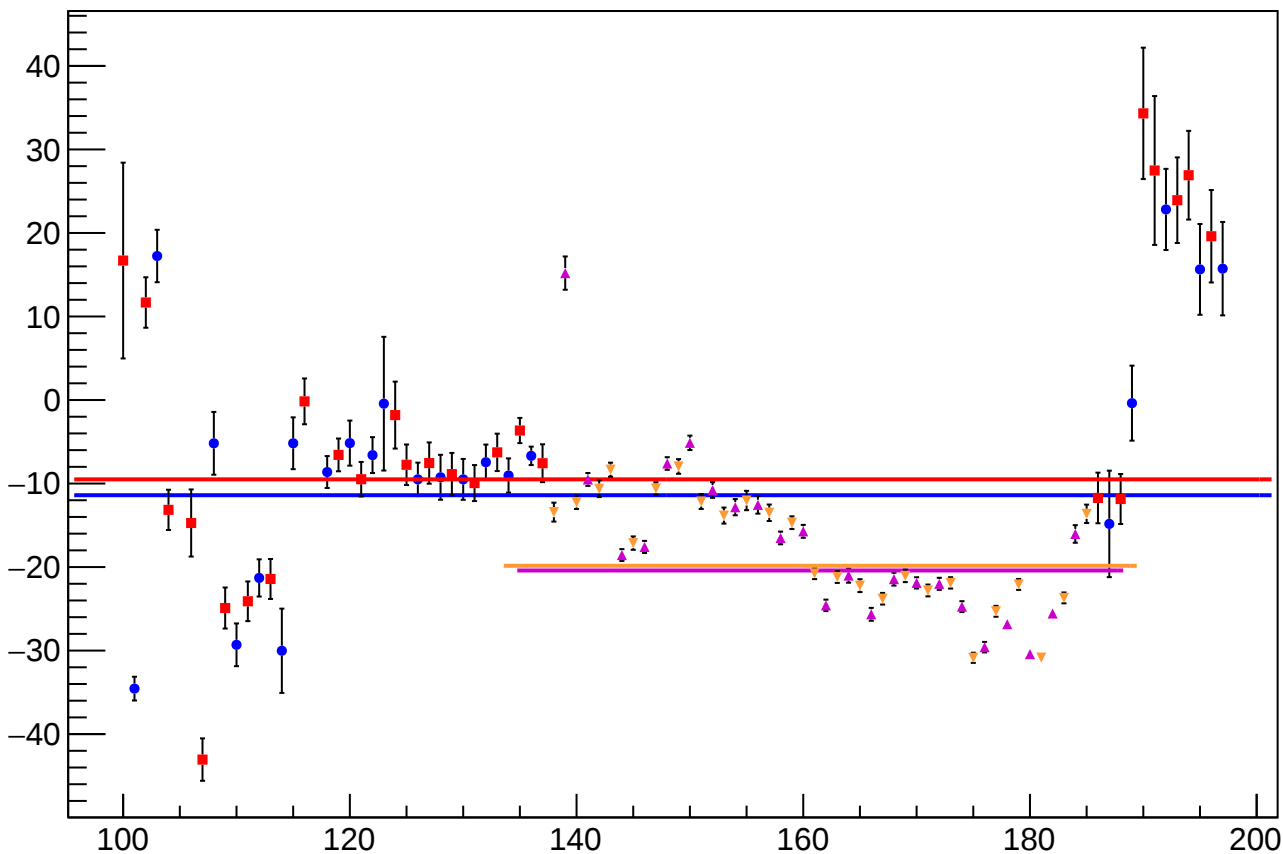
Left In: -59.802 ± 0.173 $\chi^2/\text{NDF}: 5217.5/22$

+ sign -59.580 ± 0.165 $\chi^2/\text{NDF}: 6807.9/46$

All: -60.192 ± 0.117 $\chi^2/\text{NDF}: 14945.6/95$

- sign -60.811 ± 0.166 $\chi^2/\text{NDF}: 8110.0/48$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -11.399 ± 0.511 χ^2/NDF : 581.4/21

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -9.499 ± 0.527 χ^2/NDF : 537.9/25

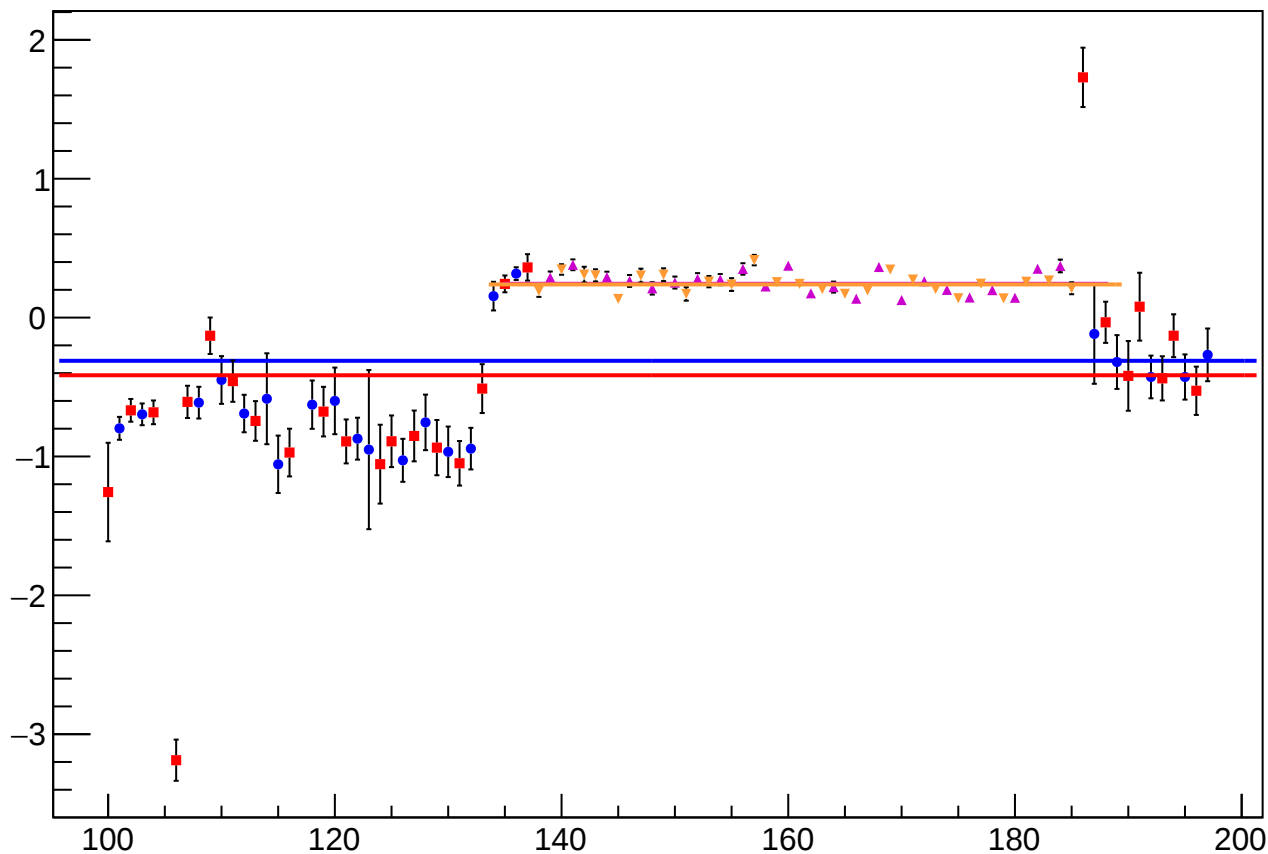
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -19.155 ± 0.146 χ^2/NDF : 2763.5/46

All: -19.334 ± 0.105 χ^2/NDF : 6000.9/95

- sign -19.523 ± 0.150 χ^2/NDF : 3234.3/48

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.311 ± 0.026 χ^2/NDF : 373.1/21

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.415 ± 0.026 χ^2/NDF : 748.2/25

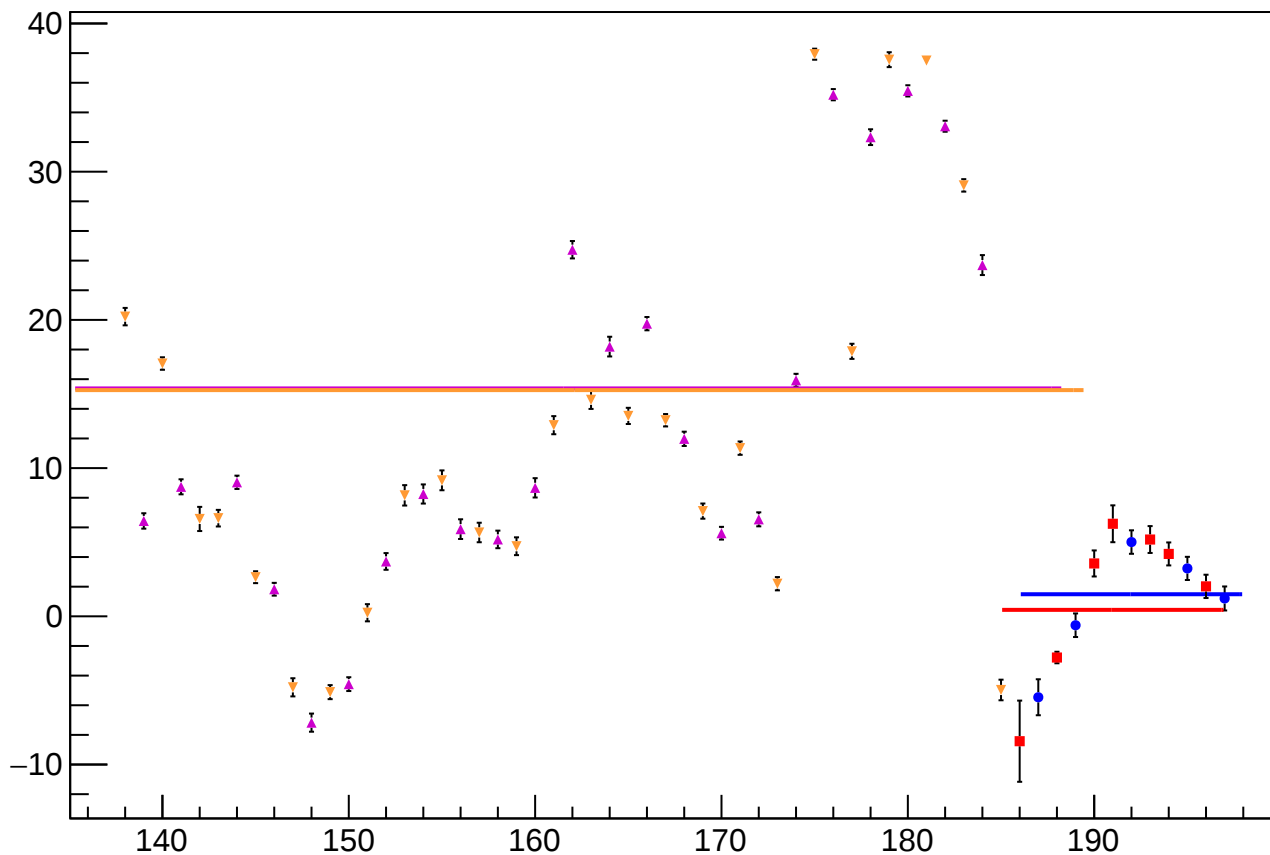
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.202 ± 0.007 χ^2/NDF : 877.1/46

All: 0.200 ± 0.005 χ^2/NDF : 2343.4/95

- sign 0.198 ± 0.007 χ^2/NDF : 1466.2/48

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.490 ± 0.378 χ^2/NDF : 64.5/4

Left Out: 15.263 ± 0.100 χ^2/NDF : 19175.2/24

Right Out: 0.436 ± 0.275 χ^2/NDF : 168.6/6

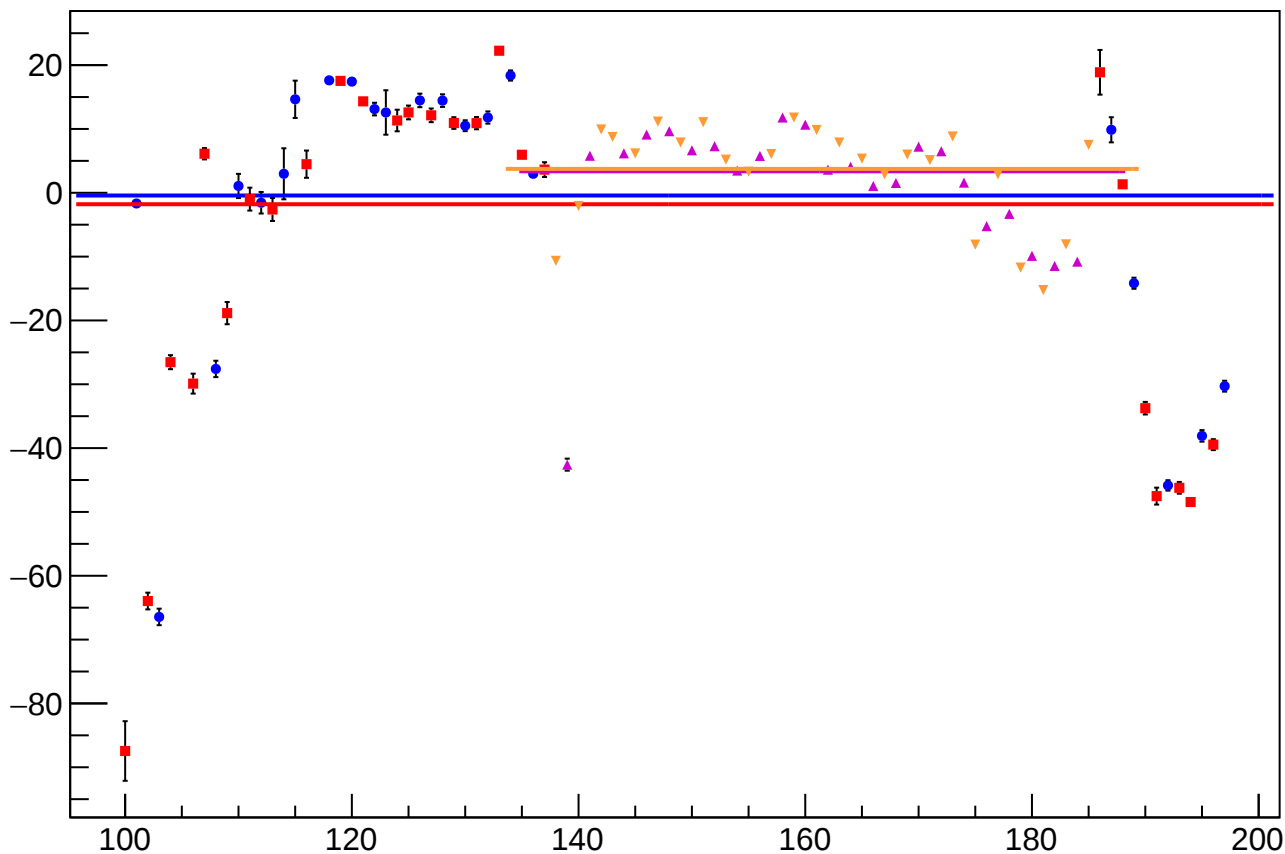
Left In: 15.377 ± 0.103 χ^2/NDF : 16268.9/22

+ sign 14.352 ± 0.097 χ^2/NDF : 20482.1/29

All: 13.948 ± 0.068 χ^2/NDF : 39538.2/59

- sign 13.551 ± 0.096 χ^2/NDF : 19021.8/29

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -0.427 ± 0.194 $\chi^2/\text{NDF}: 13053.5/21$

Left Out: 3.746 ± 0.079 $\chi^2/\text{NDF}: 9247.4/24$

Right Out: -1.793 ± 0.180 $\chi^2/\text{NDF}: 19108.3/25$

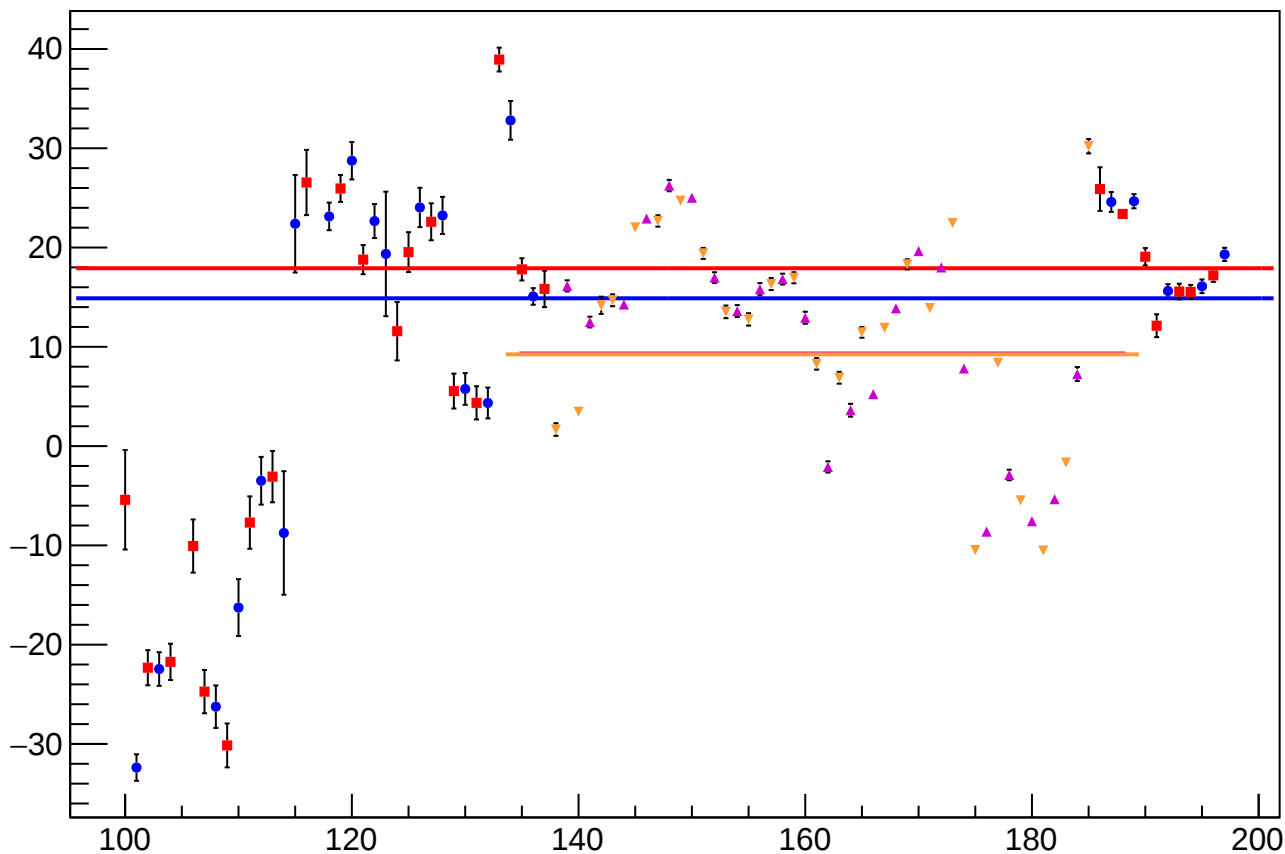
Left In: 3.365 ± 0.081 $\chi^2/\text{NDF}: 8527.0/22$

+ sign 3.153 ± 0.073 $\chi^2/\text{NDF}: 22699.5/46$

All: 2.828 ± 0.052 $\chi^2/\text{NDF}: 51056.5/95$

- sign 2.493 ± 0.074 $\chi^2/\text{NDF}: 28316.7/48$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 14.888 $\pm$ 0.257 χ^2 /NDF: 2948.8/21

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 17.914 $\pm$ 0.204 χ^2 /NDF: 2976.8/25

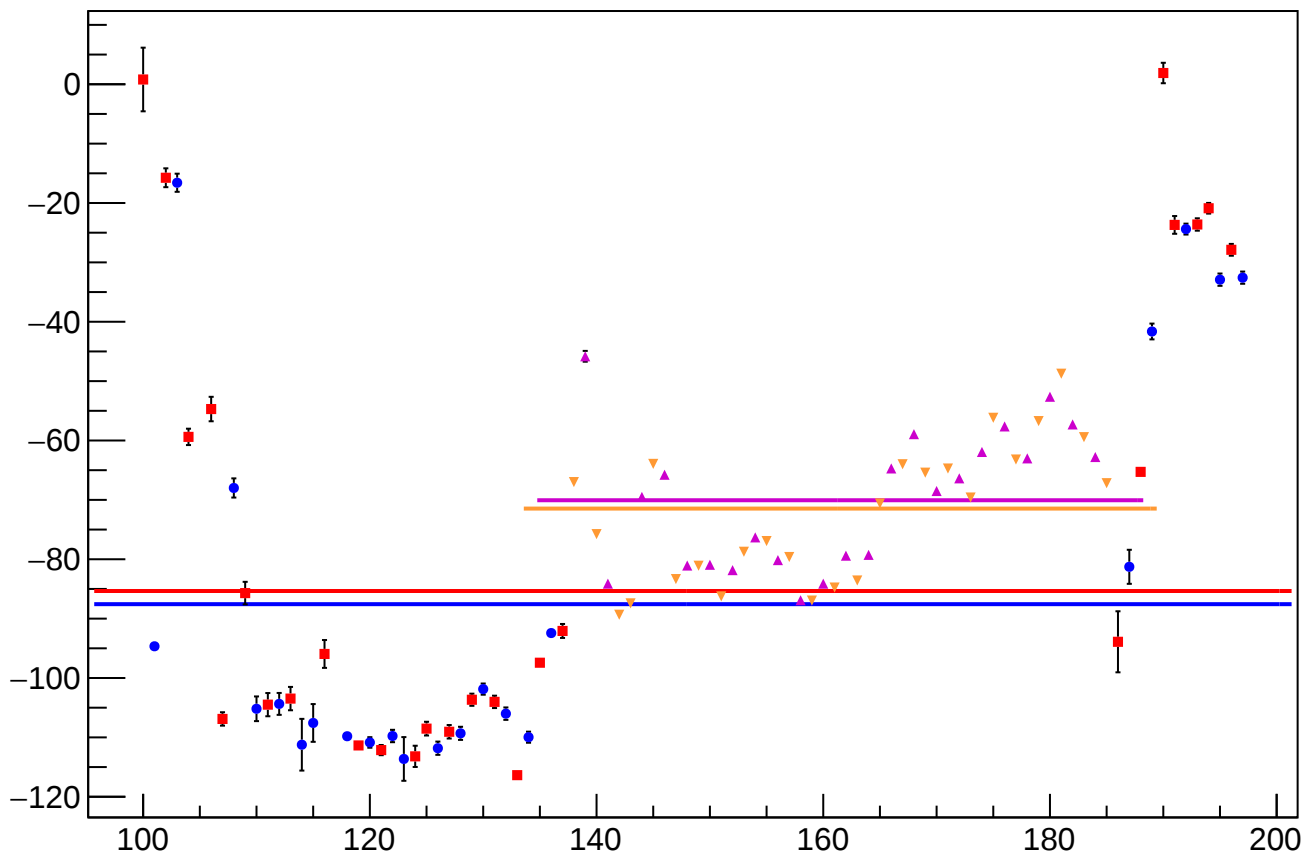
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 9.996 $\pm$ 0.094 χ^2 /NDF: 17000.1/46

All: 10.539 $\pm$ 0.066 χ^2 /NDF: 33421.5/95

- sign 11.056 $\pm$ 0.092 χ^2 /NDF: 16356.1/48

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -87.564+/-0.226 χ^2/NDF : 18645.6/21

Left Out: -71.465+/-0.089 χ^2/NDF : 16409.7/24

Right Out: -85.346+/-0.214 χ^2/NDF : 27738.9/25

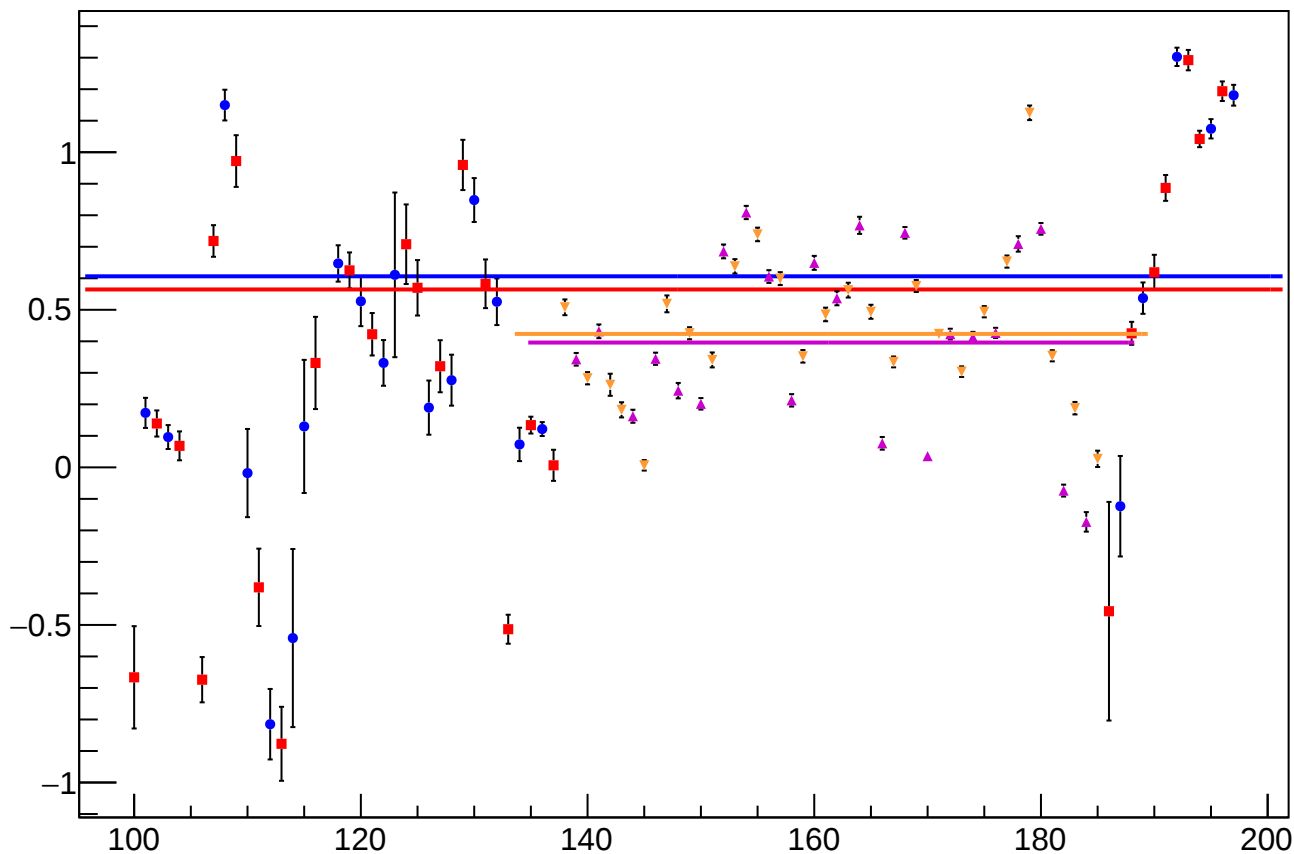
Left In: -70.061+/-0.092 χ^2/NDF : 13058.5/22

+ sign -73.642+/-0.083 χ^2/NDF : 39451.4/46

All: -73.049+/-0.059 χ^2/NDF : 84671.3/95

- sign -72.438+/-0.084 χ^2/NDF : 45116.3/48

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.606 $\pm$ 0.010 χ^2 /NDF: 2373.9/21

Left Out: 0.424 $\pm$ 0.004 χ^2 /NDF:2885.0/24

Right Out: 0.565 $\pm$ 0.010 χ^2 /NDF: 3136.1/25

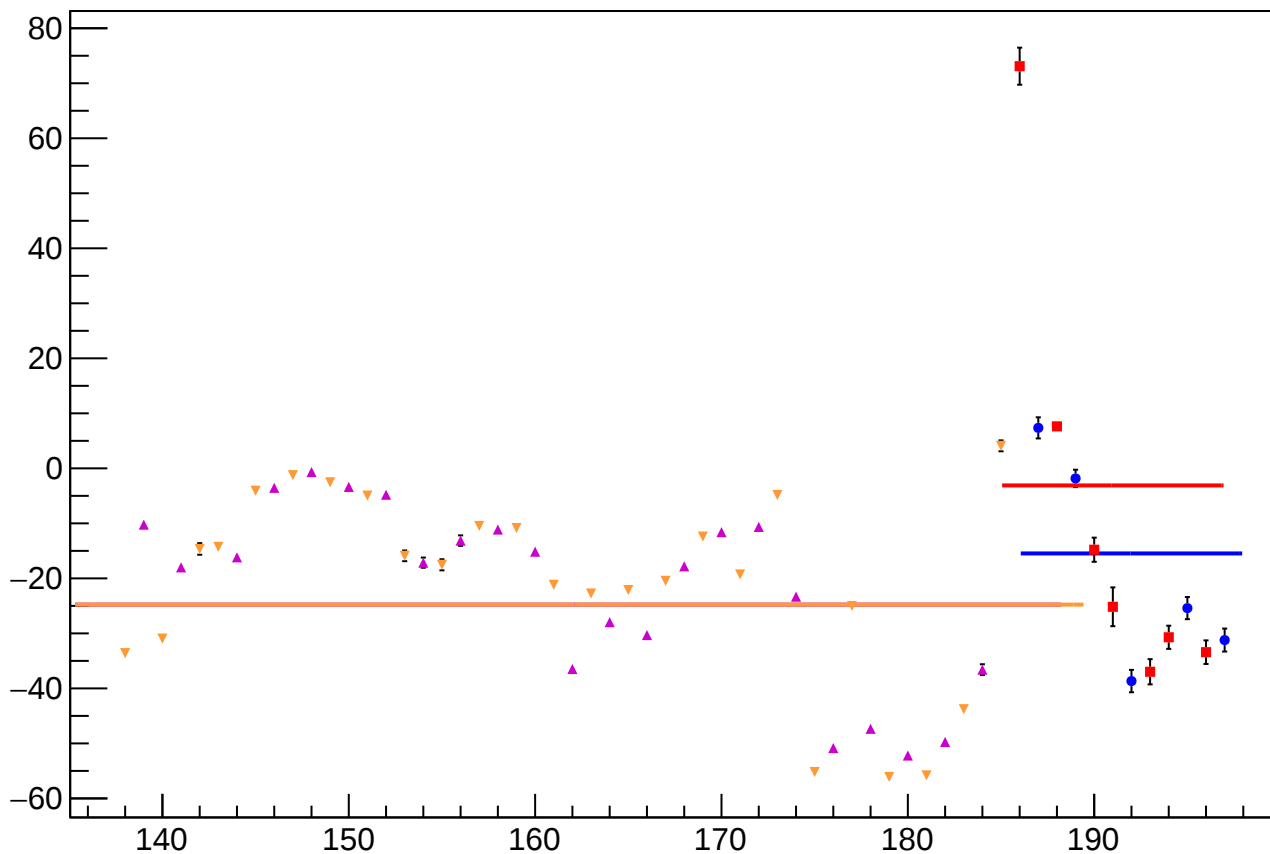
Left In: 0.396 $\pm$ 0.004 χ^2 /NDF:4051.5/22

+ sign 0.448 $\pm$ 0.004 χ^2 /NDF: 5522.0/46

All: 0.435 $\pm$ 0.003 χ^2 /NDF: 12986.3/95

- sign 0.422 $\pm$ 0.004 χ^2 /NDF: 7442.3/48

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -15.467 ± 0.848 $\chi^2/\text{NDF}: 426.8/4$

Left Out: -24.769 ± 0.139 $\chi^2/\text{NDF}: 18318.8/24$

Right Out: -3.105 ± 0.624 $\chi^2/\text{NDF}: 1349.0/6$

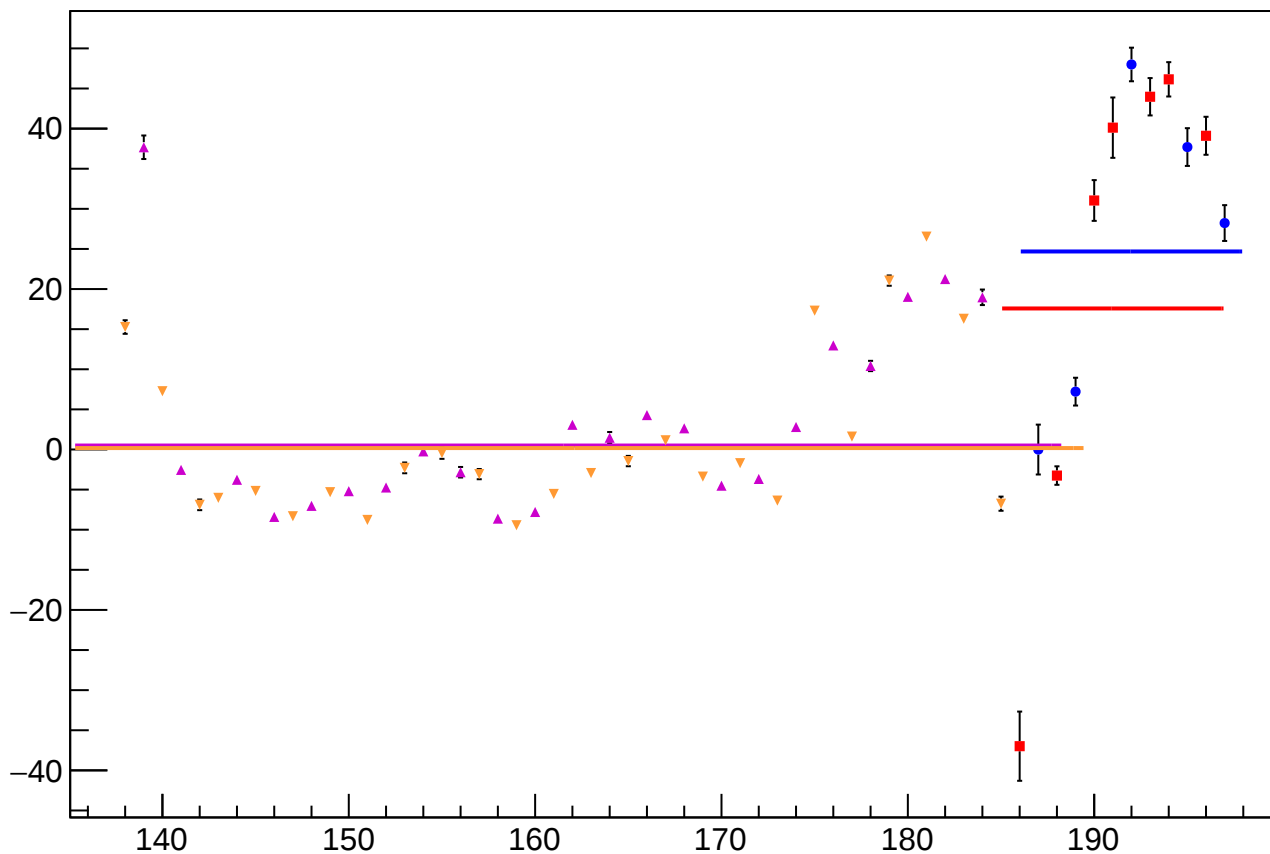
Left In: -24.775 ± 0.143 $\chi^2/\text{NDF}: 14807.4/22$

+ sign -24.524 ± 0.138 $\chi^2/\text{NDF}: 18862.6/29$

All: -24.115 ± 0.098 $\chi^2/\text{NDF}: 36183.3/59$

- sign -23.696 ± 0.139 $\chi^2/\text{NDF}: 17302.8/29$

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 24.685 $\pm$ 0.978 χ^2 /NDF: 321.8/4

Left Out: 0.177 $\pm$ 0.109 χ^2 /NDF: 8295.6/24

Right Out: 17.580 $\pm$ 0.787 χ^2 /NDF: 939.6/6

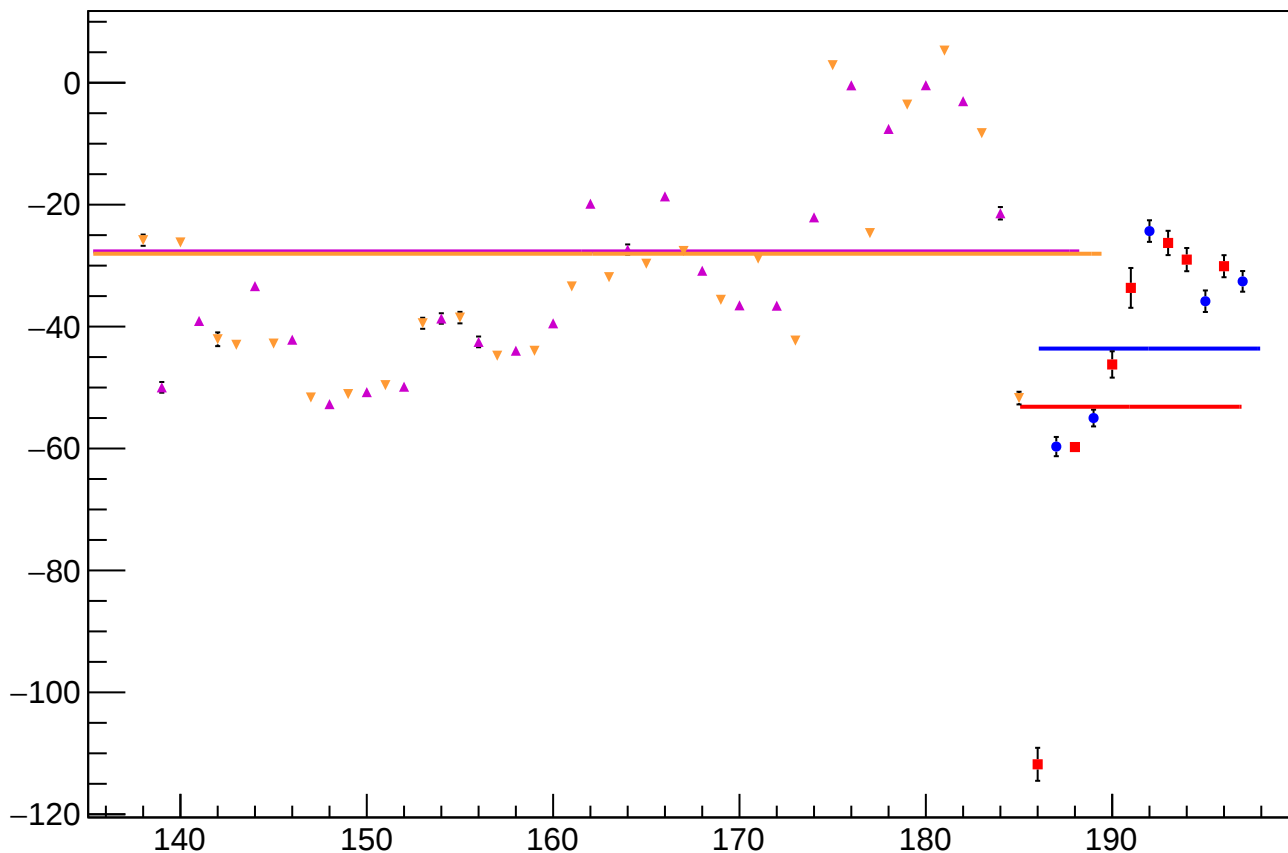
Left In: 0.493 $\pm$ 0.112 χ^2 /NDF: 6555.4/22

+ sign 0.476 $\pm$ 0.108 χ^2 /NDF: 9237.8/29

All: 0.649 $\pm$ 0.077 χ^2 /NDF: 17199.6/59

- sign 0.833 $\pm$ 0.111 χ^2 /NDF: 7956.5/29

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -43.607 ± 0.722 $\chi^2/\text{NDF}: 352.2/4$

Left Out: -28.050 ± 0.140 $\chi^2/\text{NDF}: 17144.5/24$

Right Out: -53.148 ± 0.522 $\chi^2/\text{NDF}: 1125.0/6$

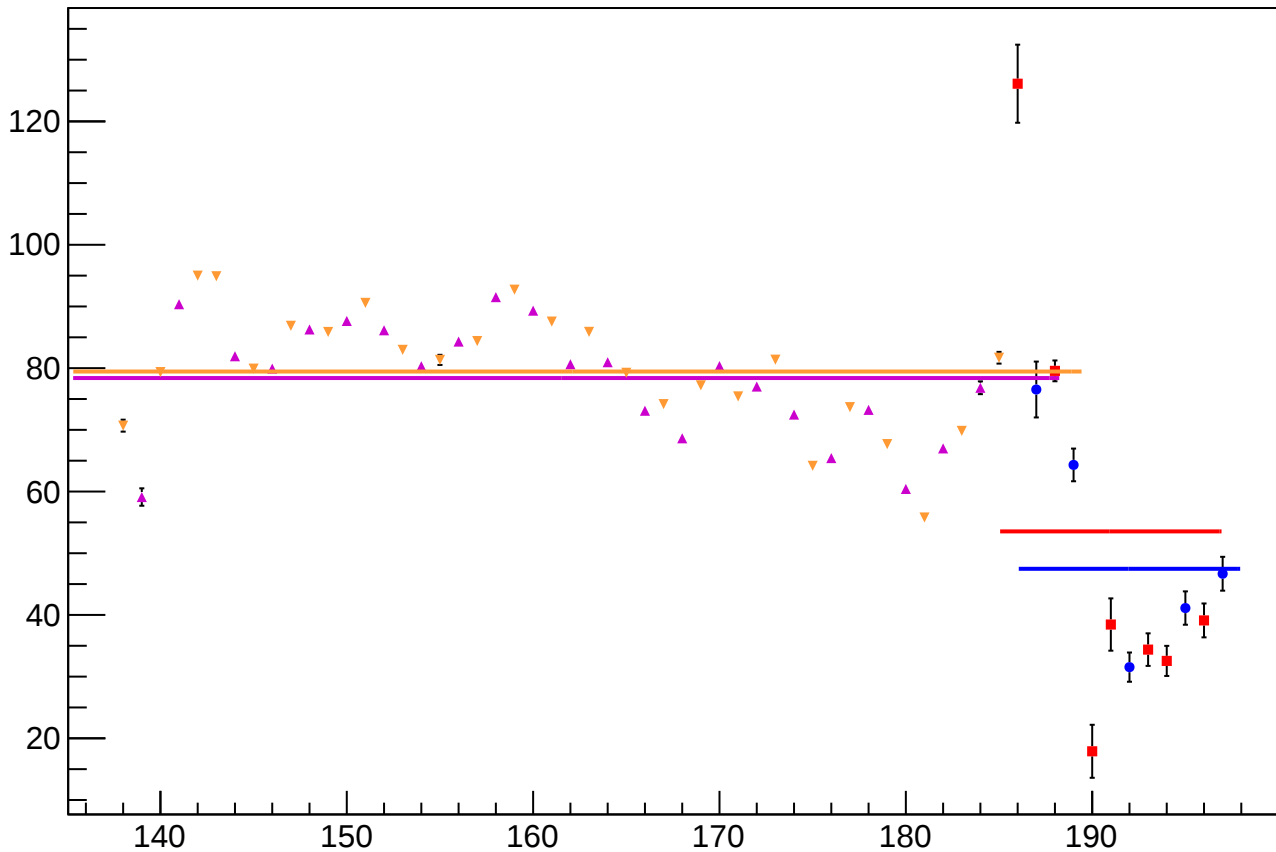
Left In: -27.666 ± 0.142 $\chi^2/\text{NDF}: 15003.2/22$

+ sign -28.612 ± 0.137 $\chi^2/\text{NDF}: 17943.8/29$

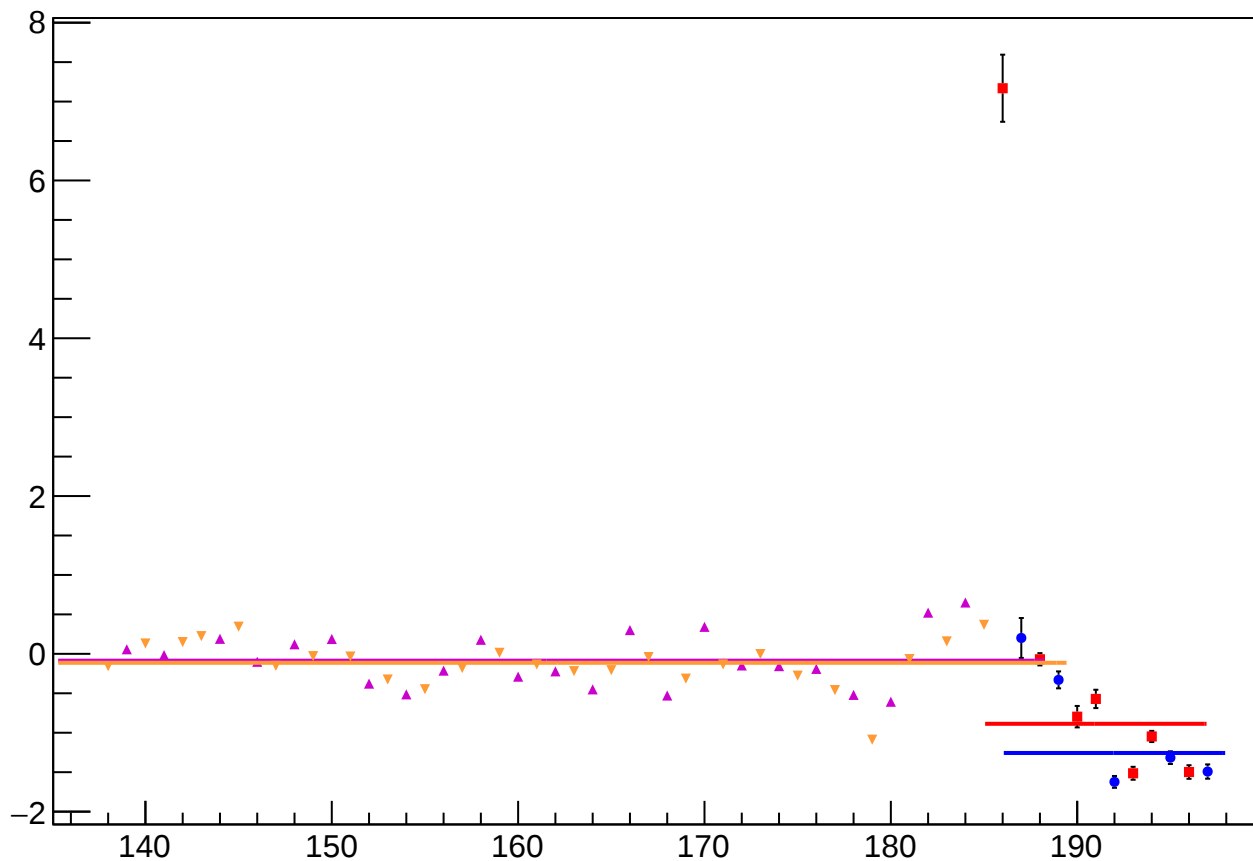
All: -29.020 ± 0.097 $\chi^2/\text{NDF}: 36303.6/59$

- sign -29.429 ± 0.137 $\chi^2/\text{NDF}: 18342.2/29$

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -1.256 ± 0.042 χ^2/NDF : 138.8/4

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -0.887 ± 0.036 χ^2/NDF : 590.8/6

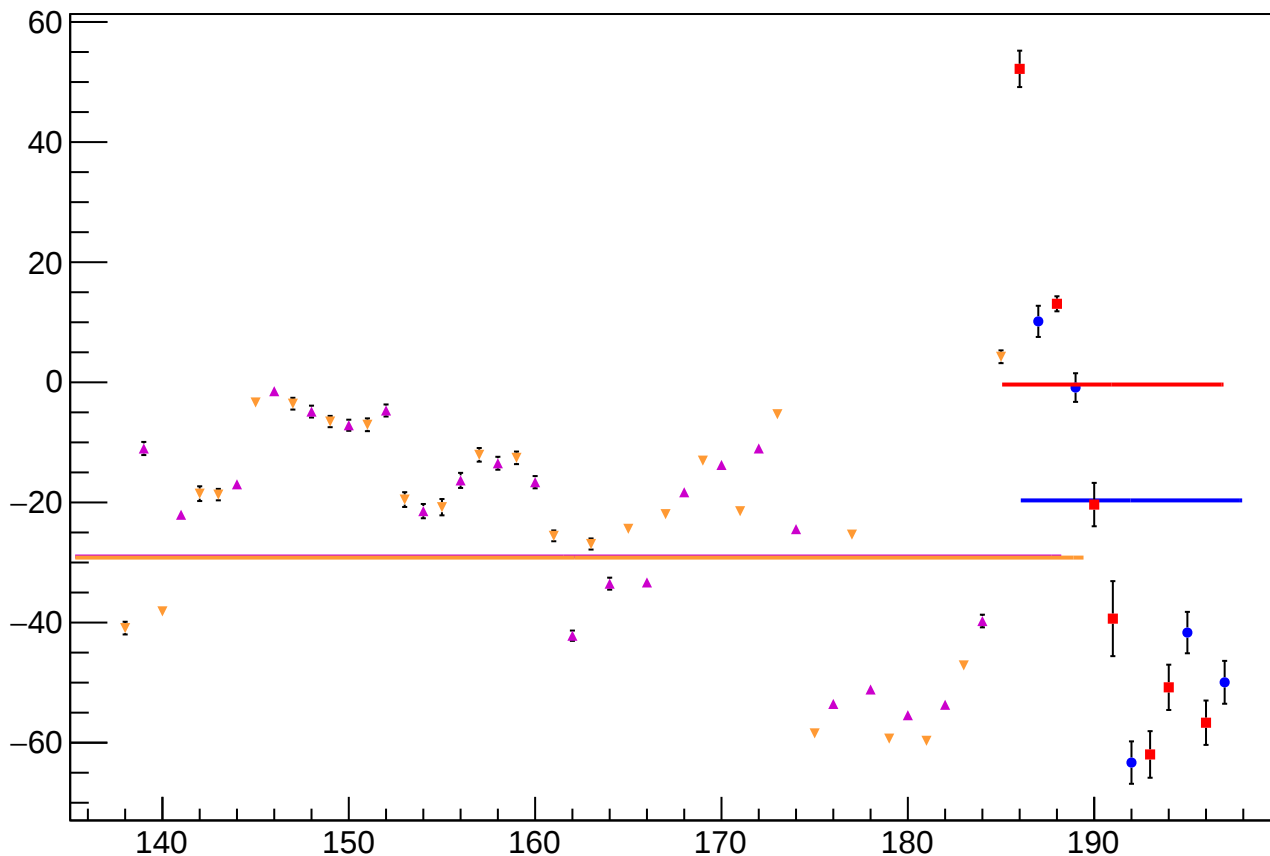
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.133 ± 0.006 χ^2/NDF : 3155.8/29

All: -0.120 ± 0.004 χ^2/NDF : 7377.9/59

- sign -0.107 ± 0.006 χ^2/NDF : 4210.9/29

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -19.660 ± 1.328 $\chi^2/\text{NDF}: 459.4/4$

Left Out: -29.180 ± 0.157 $\chi^2/\text{NDF}: 16912.2/24$

Right Out: -0.367 ± 0.972 $\chi^2/\text{NDF}: 1149.0/6$

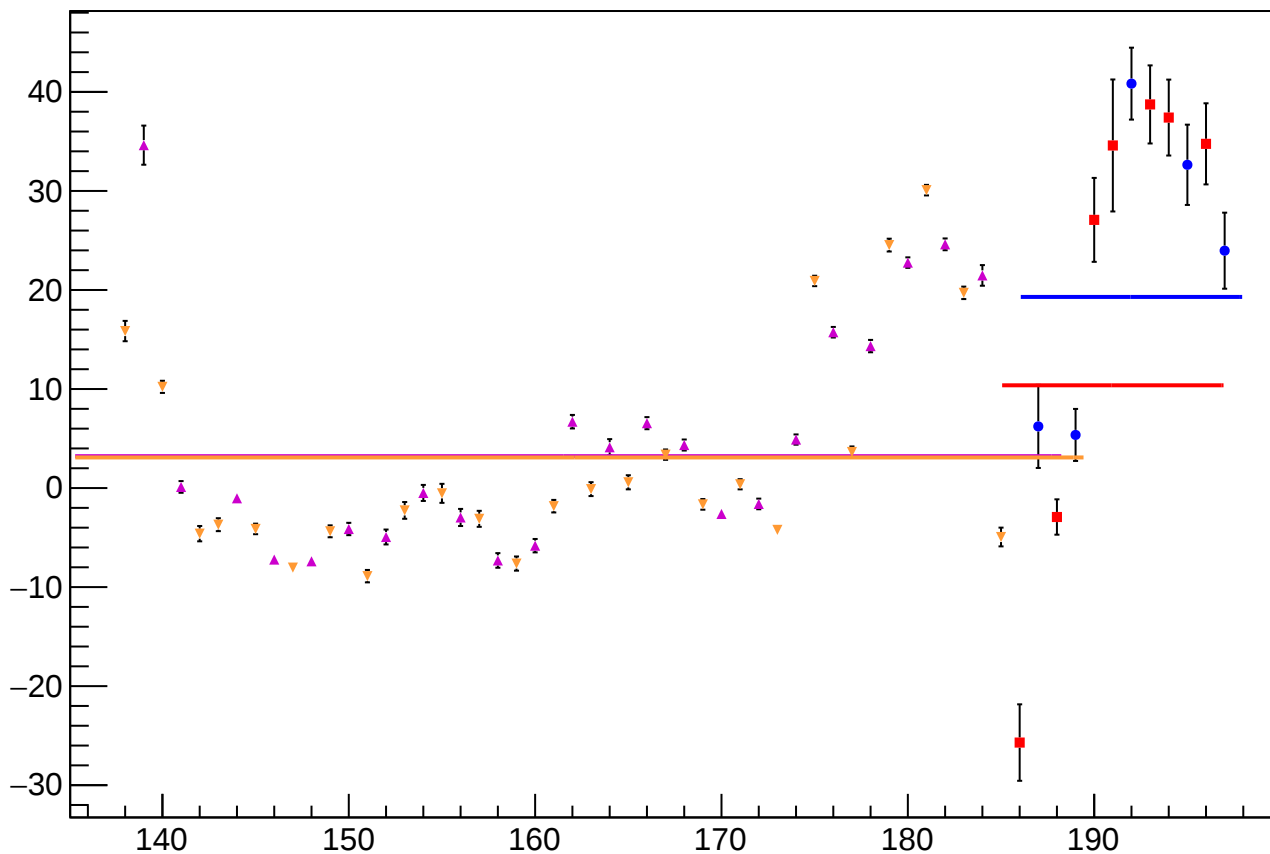
Left In: -29.003 ± 0.160 $\chi^2/\text{NDF}: 13416.8/22$

+ sign -29.049 ± 0.156 $\chi^2/\text{NDF}: 17422.3/29$

All: -28.654 ± 0.111 $\chi^2/\text{NDF}: 32846.7/59$

- sign -28.249 ± 0.158 $\chi^2/\text{NDF}: 15411.4/29$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 19.299 $\pm$ 1.569 χ^2 /NDF: 85.3/4

Left Out: 3.091 $\pm$ 0.124 χ^2 /NDF: 8084.1/24

Right Out: 10.376 $\pm$ 1.239 χ^2 /NDF: 308.5/6

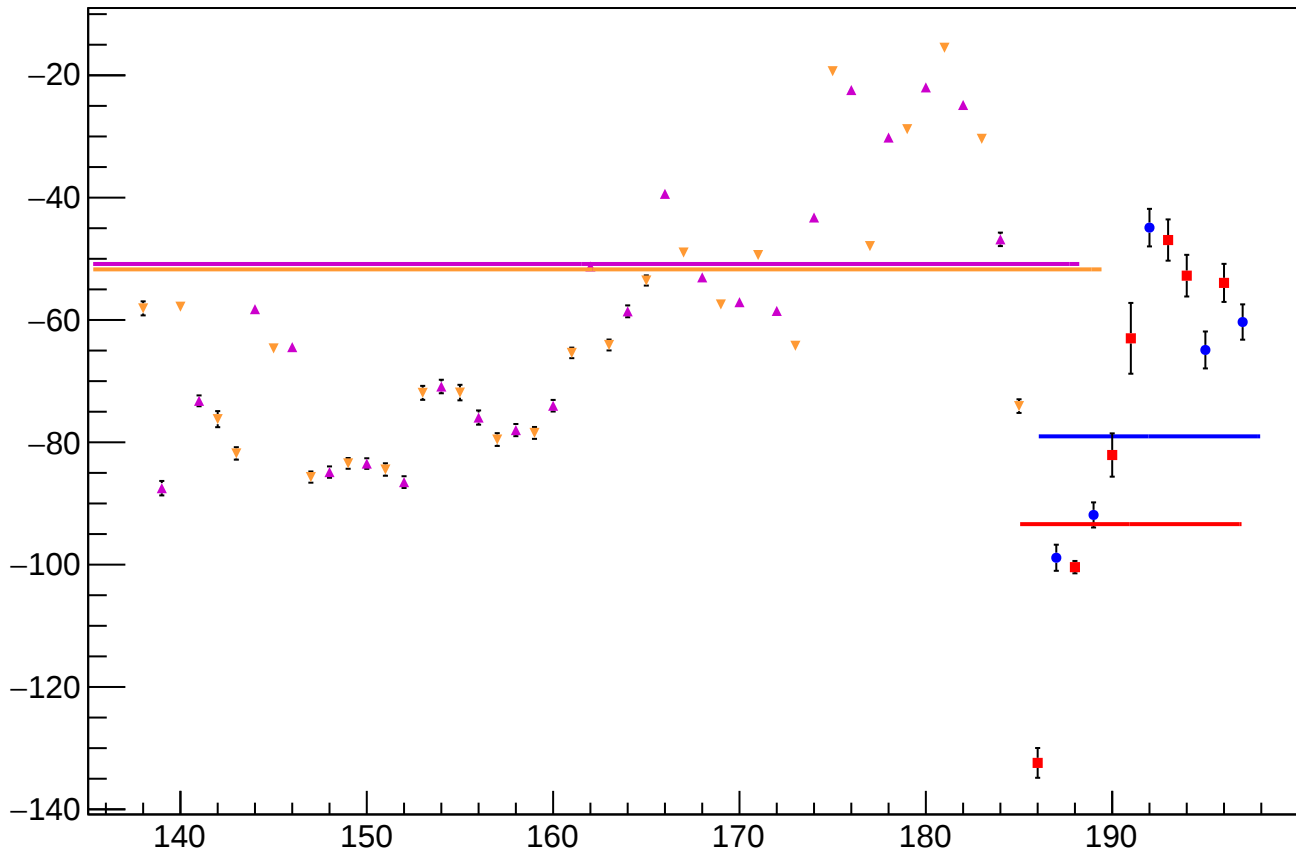
Left In: 3.221 $\pm$ 0.127 χ^2 /NDF: 6237.6/22

+ sign 3.192 $\pm$ 0.124 χ^2 /NDF: 8275.5/29

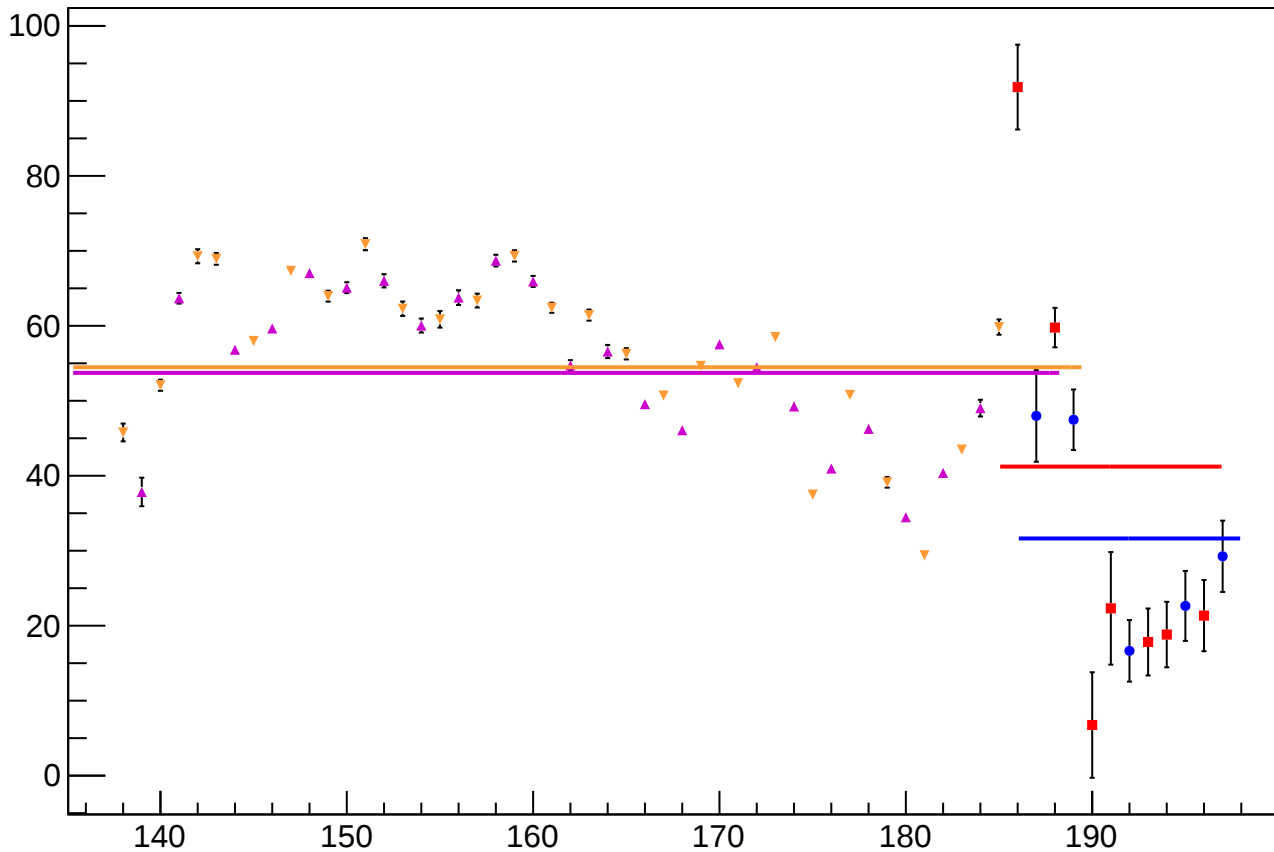
All: 3.243 $\pm$ 0.088 χ^2 /NDF: 14854.9/59

- sign 3.295 $\pm$ 0.126 χ^2 /NDF: 6579.1/29

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 31.635 $\pm$ 2.053 χ^2 /NDF: 39.8/4

Left Out: 54.476 $\pm$ 0.140 χ^2 /NDF: 6266.9/24

Right Out: 41.222 $\pm$ 1.666 χ^2 /NDF: 231.2/6

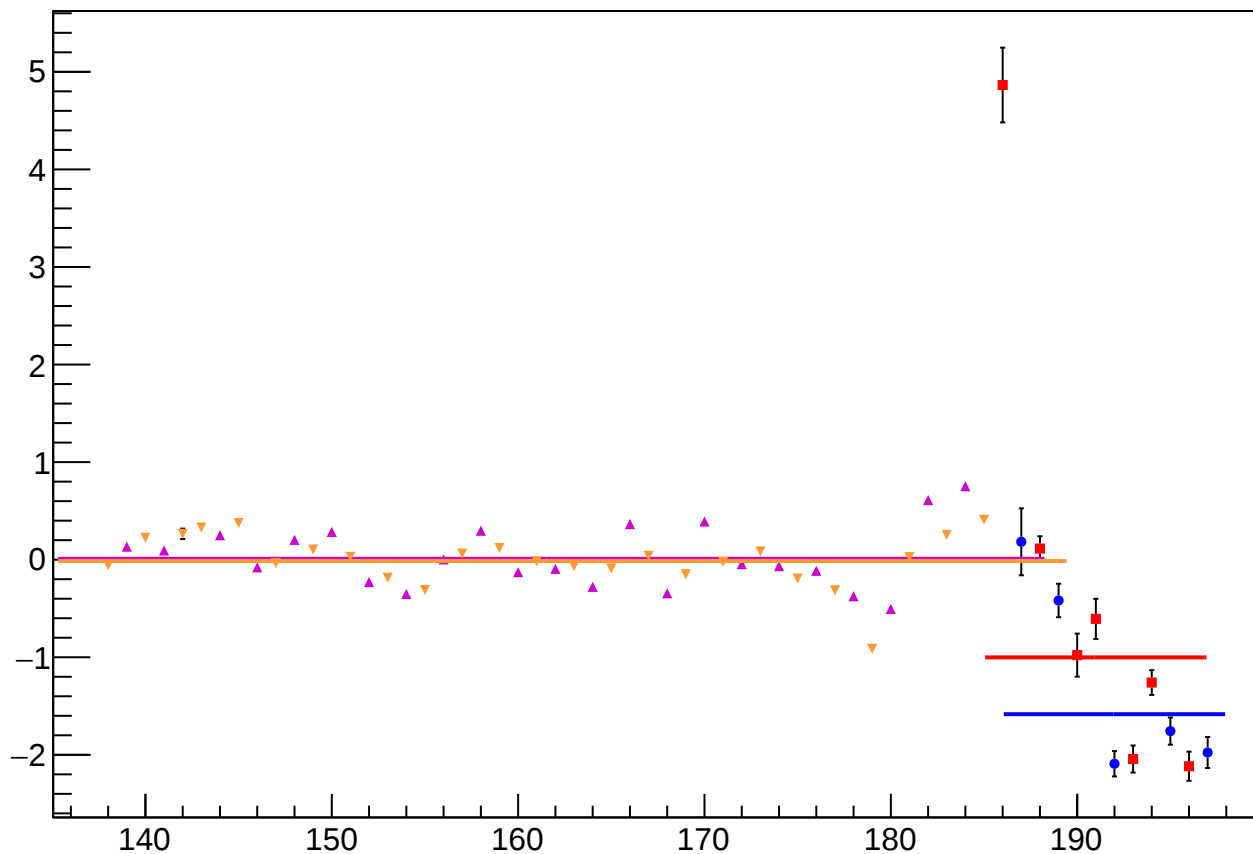
Left In: 53.724 $\pm$ 0.143 χ^2 /NDF: 4585.7/22

+ sign 54.370 $\pm$ 0.140 χ^2 /NDF: 6430.0/29

All: 54.008 $\pm$ 0.100 χ^2 /NDF: 11316.5/59

- sign 53.632 $\pm$ 0.143 χ^2 /NDF: 4872.9/29

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -1.584 ± 0.072 χ^2/NDF : 95.5/4

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -1.001 ± 0.061 χ^2/NDF : 433.4/6

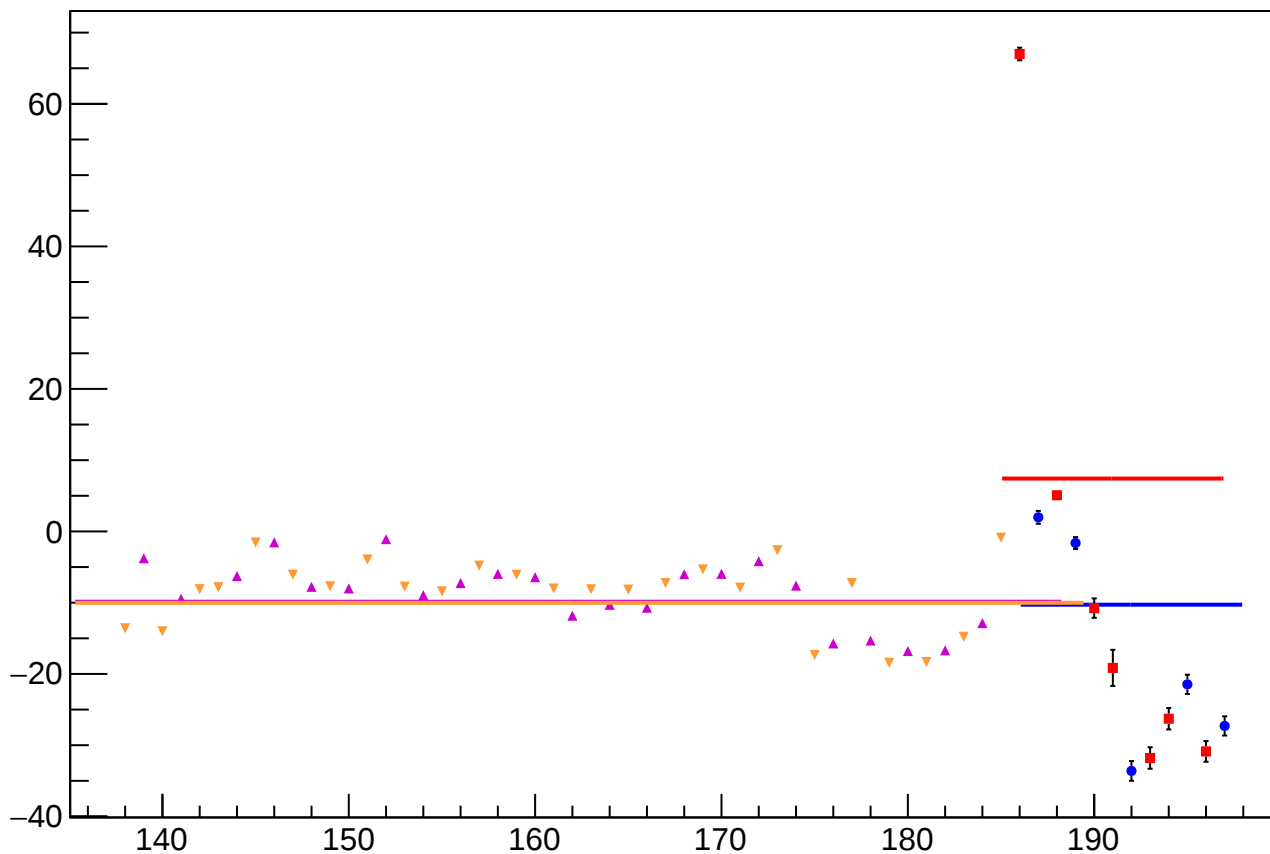
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.026 ± 0.006 χ^2/NDF : 2221.5/29

All: -0.015 ± 0.005 χ^2/NDF : 5157.6/59

- sign -0.003 ± 0.007 χ^2/NDF : 2929.6/29

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -10.281 ± 0.482 χ^2/NDF : 806.8/4

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: 7.420 ± 0.346 χ^2/NDF : 6726.6/6

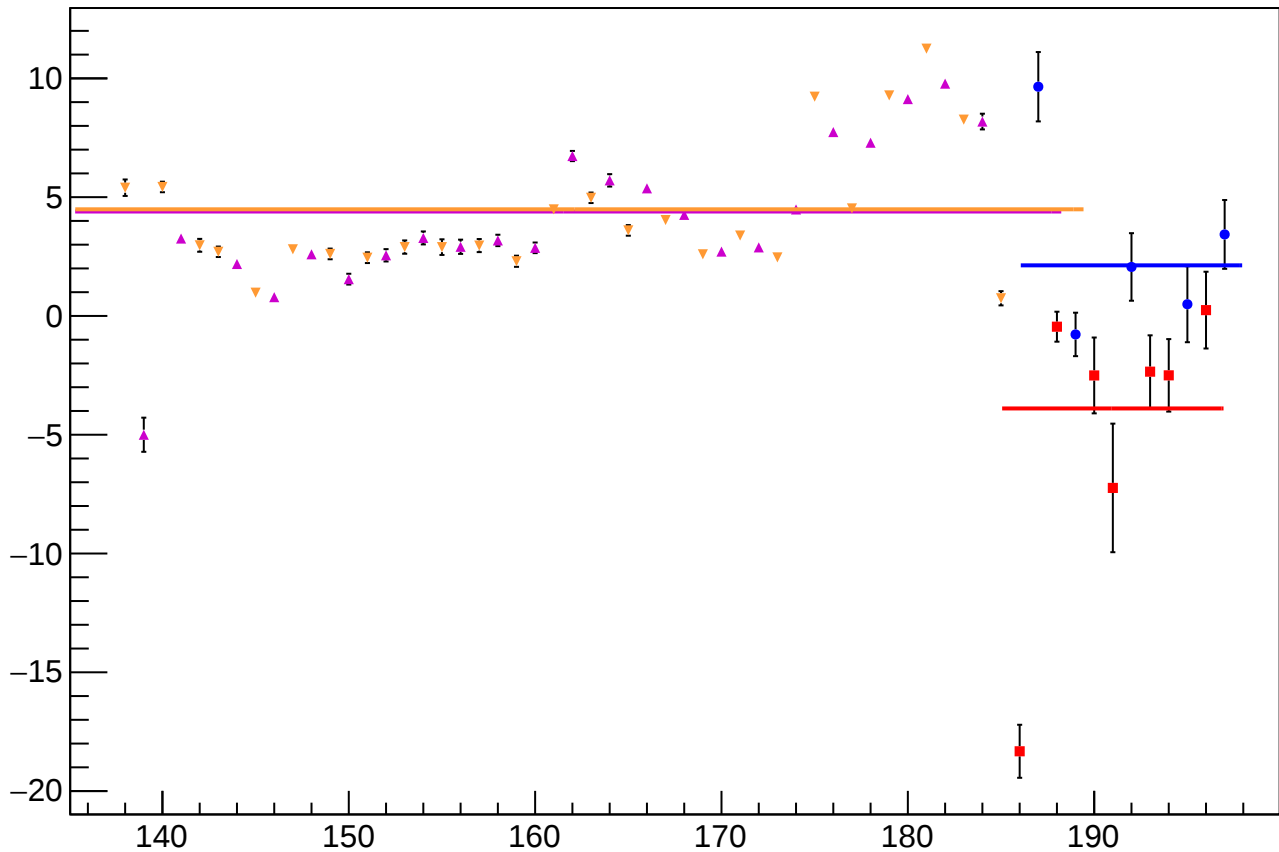
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -10.020 ± 0.050 χ^2/NDF : 13359.8/29

All: -9.758 ± 0.036 χ^2/NDF : 31931.8/59

- sign -9.492 ± 0.051 χ^2/NDF : 18517.5/29

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 2.130 ± 0.575 $\chi^2/\text{NDF}: 38.5/4$

Left Out: 4.489 ± 0.041 $\chi^2/\text{NDF}: 4832.3/24$

Right Out: -3.894 ± 0.443 $\chi^2/\text{NDF}: 207.6/6$

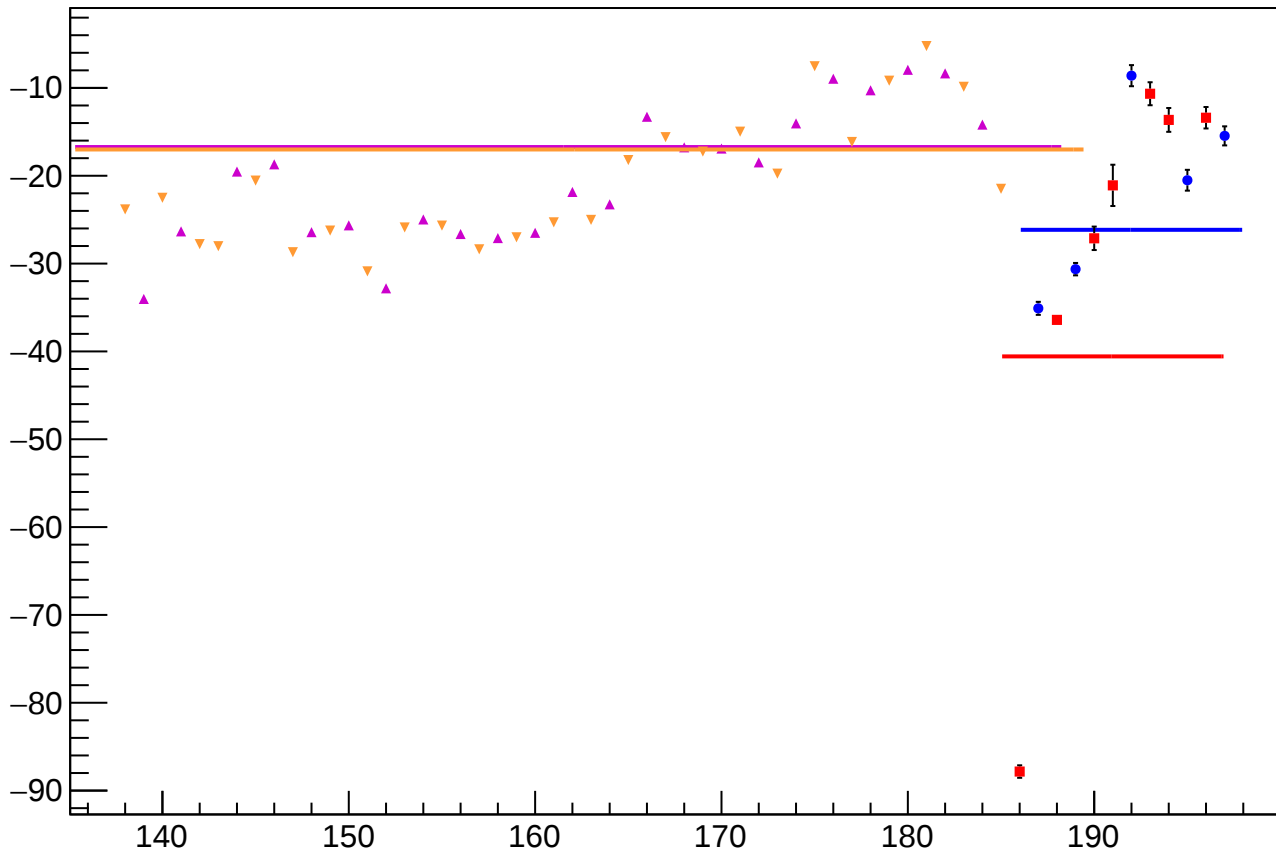
Left In: 4.396 ± 0.041 $\chi^2/\text{NDF}: 4230.4/22$

+ sign 4.477 ± 0.041 $\chi^2/\text{NDF}: 4887.6/29$

All: 4.402 ± 0.029 $\chi^2/\text{NDF}: 9679.0/59$

- sign 4.325 ± 0.041 $\chi^2/\text{NDF}: 4784.5/29$

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -26.155 ± 0.406 χ^2/NDF : 518.7/4

Left Out: -17.008 ± 0.051 χ^2/NDF : 22094.7/24

Right Out: -40.567 ± 0.286 χ^2/NDF : 6134.4/6

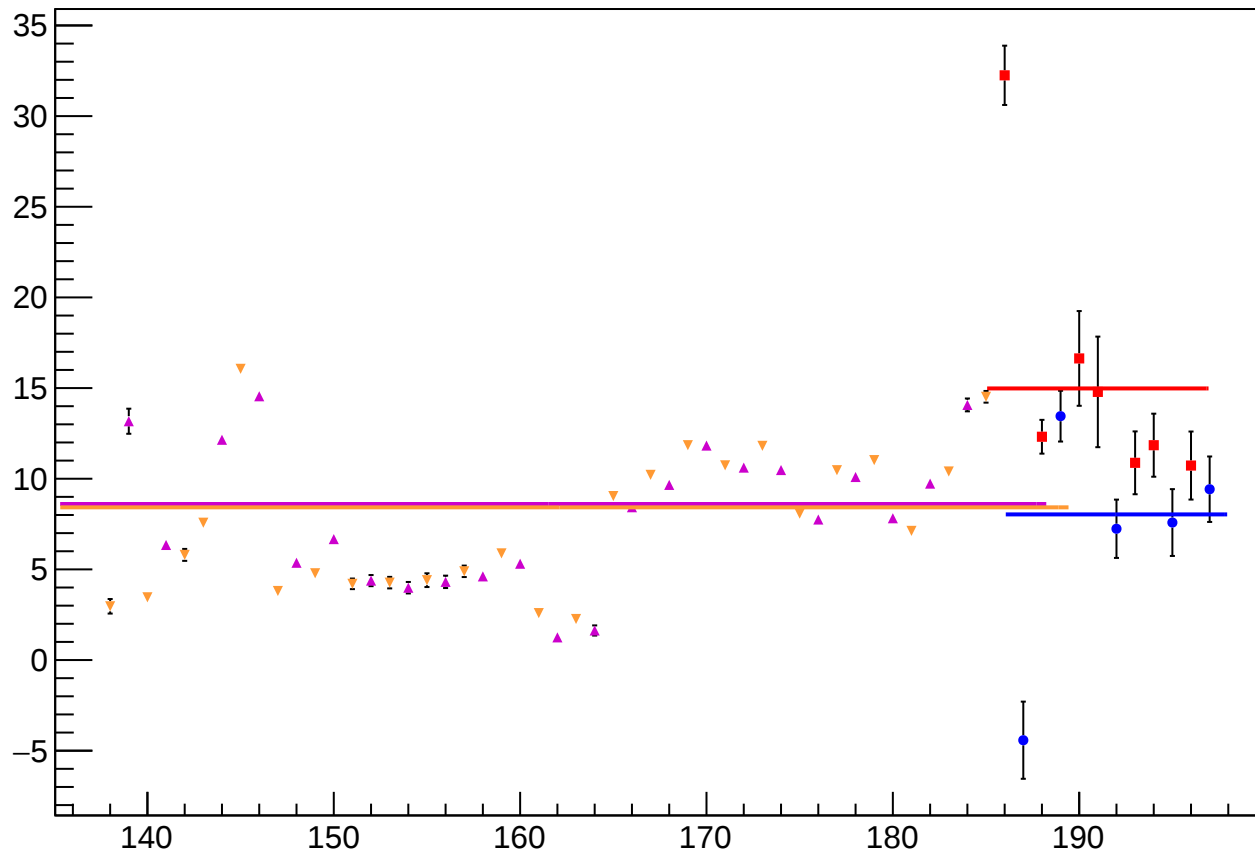
Left In: -16.732 ± 0.052 χ^2/NDF : 18777.2/22

+ sign -17.151 ± 0.051 χ^2/NDF : 23113.7/29

All: -17.317 ± 0.036 χ^2/NDF : 54789.9/59

- sign -17.483 ± 0.051 χ^2/NDF : 31654.8/29

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 8.032 ± 0.763 $\chi^2/\text{NDF}: 50.1/4$

Left Out: 8.422 ± 0.046 $\chi^2/\text{NDF}: 6470.1/24$

Right Out: 14.980 ± 0.605 $\chi^2/\text{NDF}: 134.1/6$

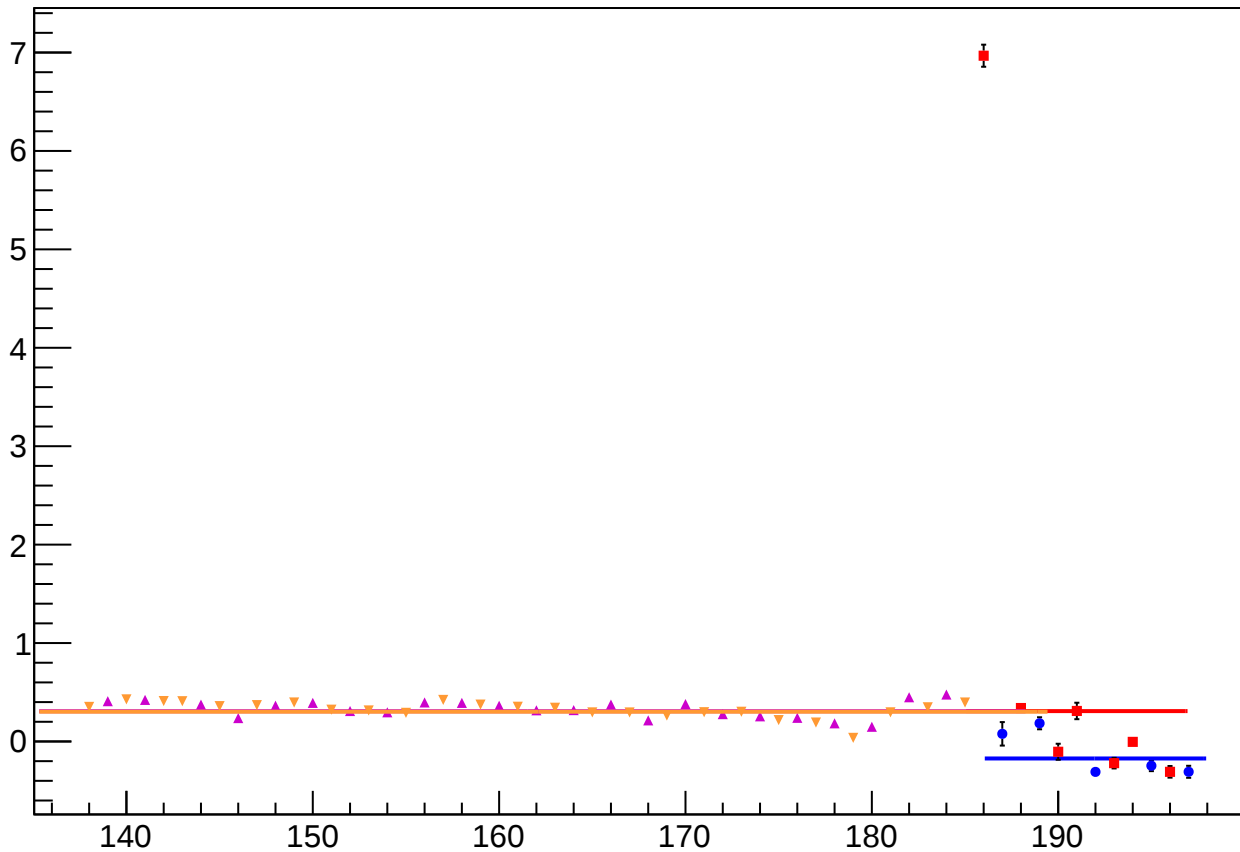
Left In: 8.606 ± 0.046 $\chi^2/\text{NDF}: 5504.2/22$

+ sign 8.421 ± 0.045 $\chi^2/\text{NDF}: 6520.5/29$

All: 8.530 ± 0.032 $\chi^2/\text{NDF}: 12280.9/59$

- sign 8.643 ± 0.046 $\chi^2/\text{NDF}: 5748.5/29$

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: -0.173±/0.027 χ^2/NDF : 52.5/4

Left Out: 0.302±/0.002 χ^2/NDF :1590.9/24

Right Out: 0.309±/0.023 χ^2/NDF : 3793.6/6

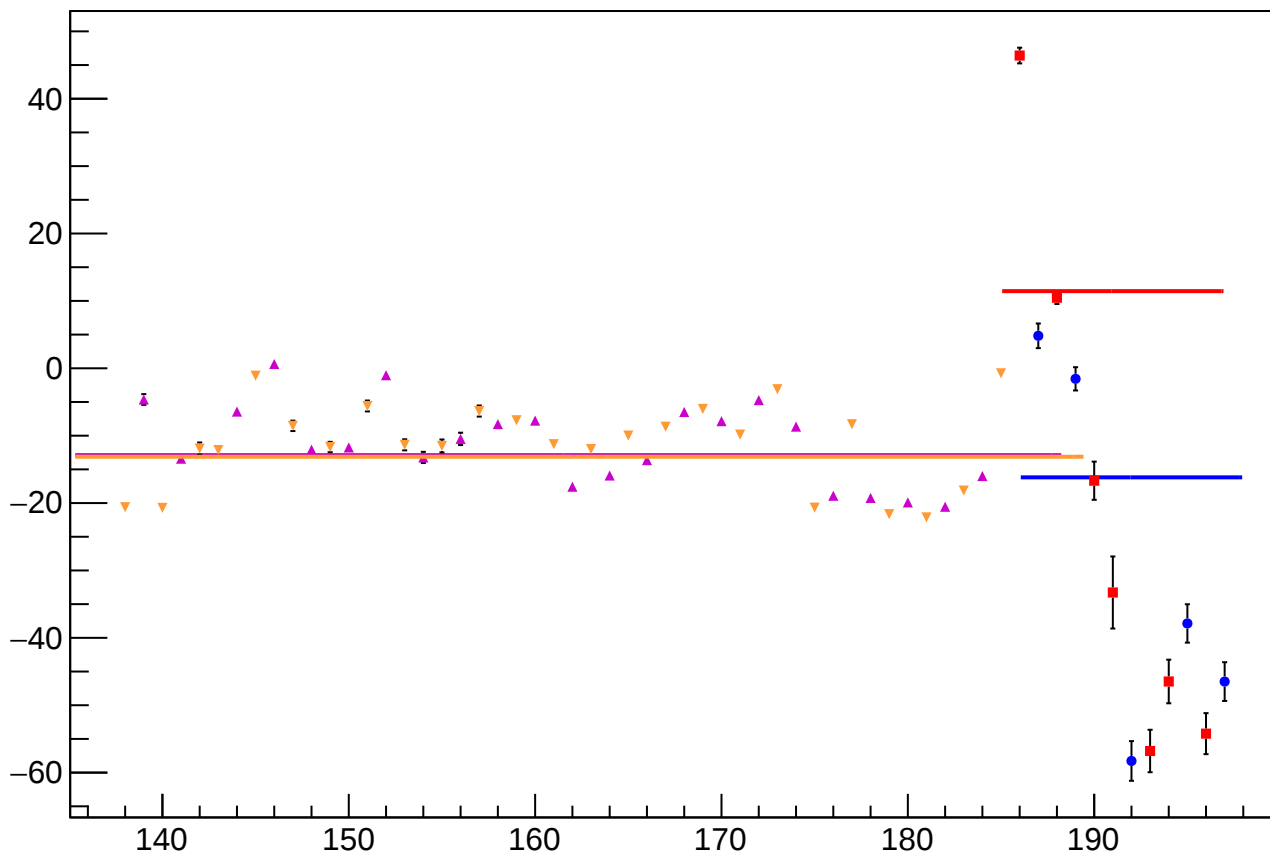
Left In: 0.307±/0.002 χ^2/NDF :1699.5/22

+ sign 0.300±/0.002 χ^2/NDF : 1940.5/29

All: 0.303±/0.001 χ^2/NDF : 7439.9/59

- sign 0.307±/0.002 χ^2/NDF : 5493.1/29

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -16.184 ± 1.003 $\chi^2/\text{NDF}: 576.9/4$

Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$

Right Out: 11.448 ± 0.652 $\chi^2/\text{NDF}: 2323.3/6$

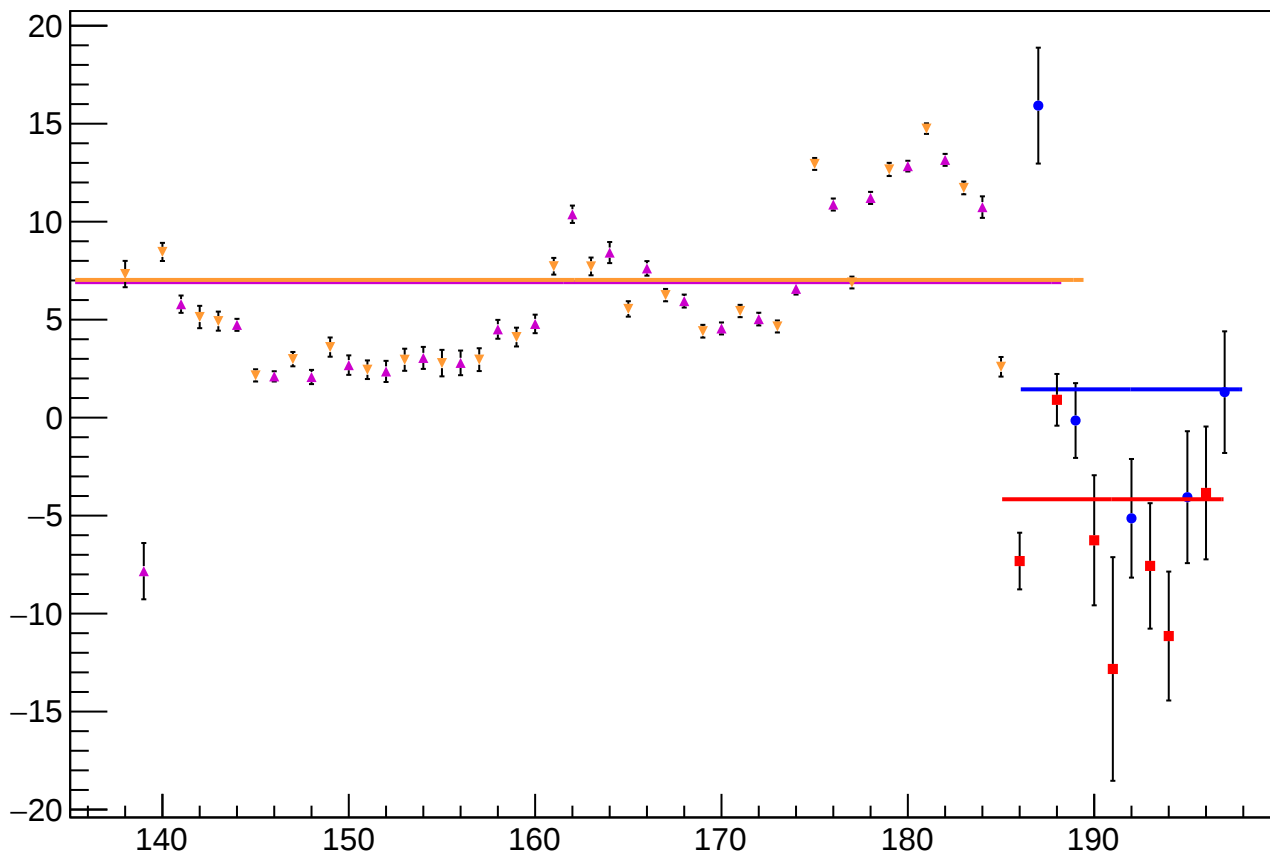
Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -13.151 ± 0.093 $\chi^2/\text{NDF}: 6563.8/29$

All: -12.769 ± 0.066 $\chi^2/\text{NDF}: 15059.5/59$

- sign -12.379 ± 0.094 $\chi^2/\text{NDF}: 8461.8/29$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 1.444 ± 1.204 χ^2/NDF : 32.1/4

Left Out: 7.028 ± 0.077 χ^2/NDF : 2665.3/24

Right Out: -4.165 ± 0.830 χ^2/NDF : 27.9/6

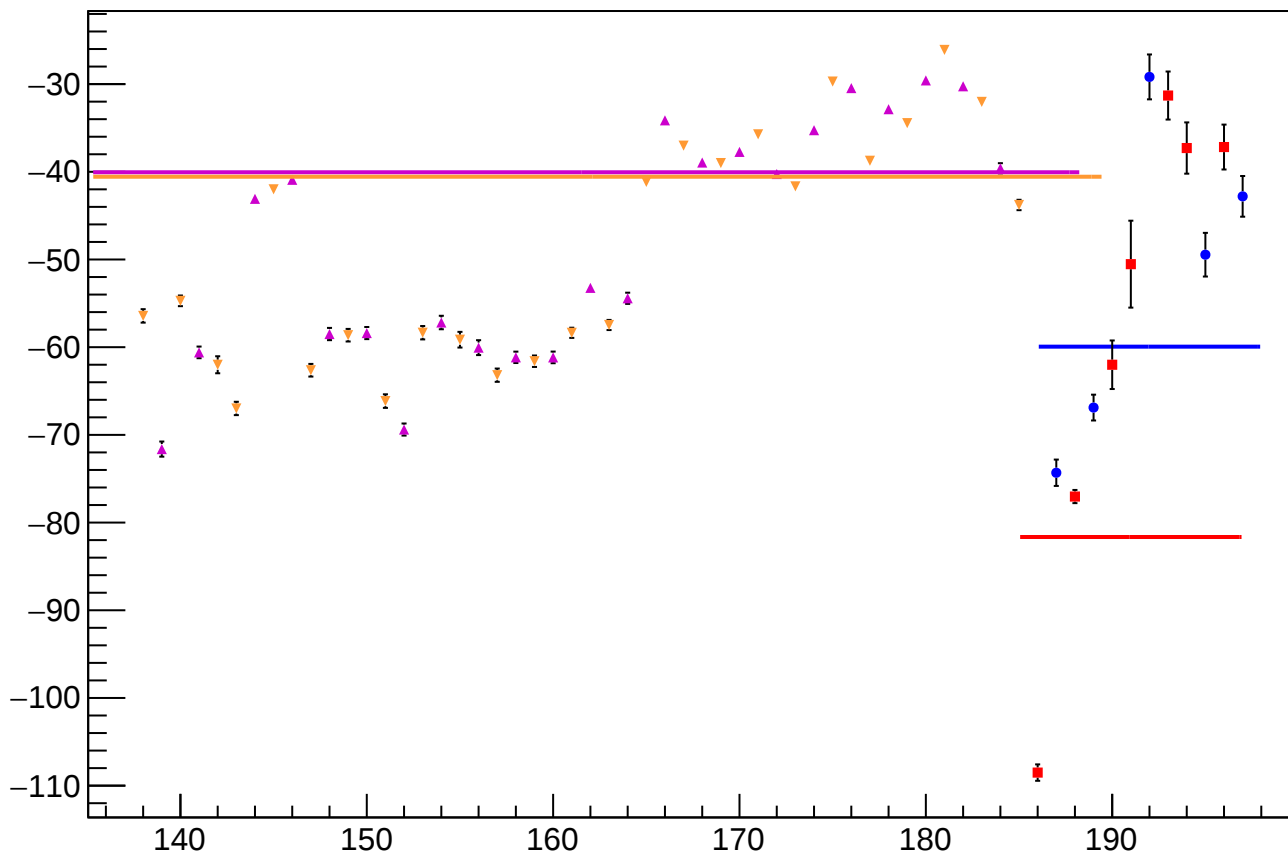
Left In: 6.914 ± 0.078 χ^2/NDF : 2428.2/22

+ sign 7.005 ± 0.077 χ^2/NDF : 2718.8/29

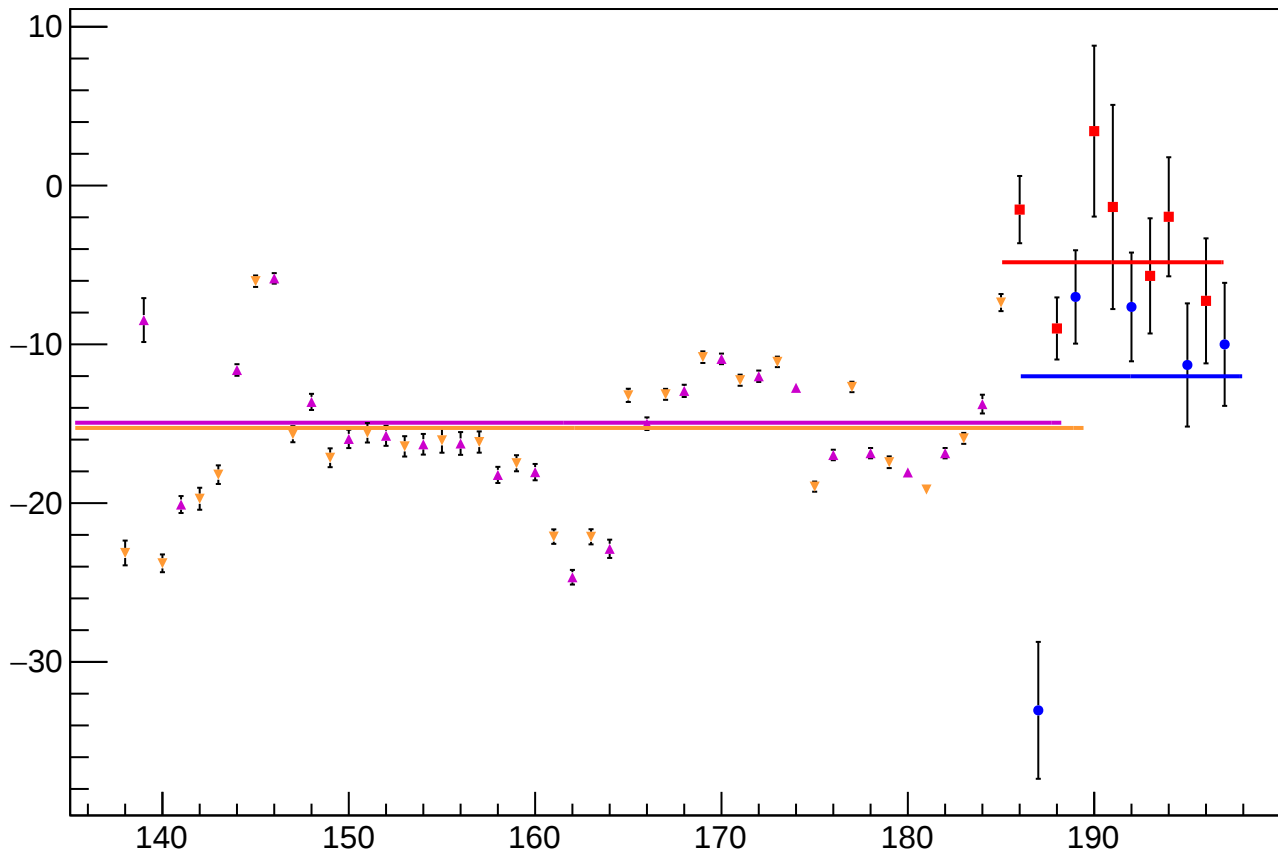
All: 6.912 ± 0.055 χ^2/NDF : 5354.5/59

- sign 6.818 ± 0.077 χ^2/NDF : 2632.7/29

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -12.012 ± 1.606 $\chi^2/\text{NDF}: 28.6/4$

Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$

Right Out: -4.831 ± 1.151 $\chi^2/\text{NDF}: 10.7/6$

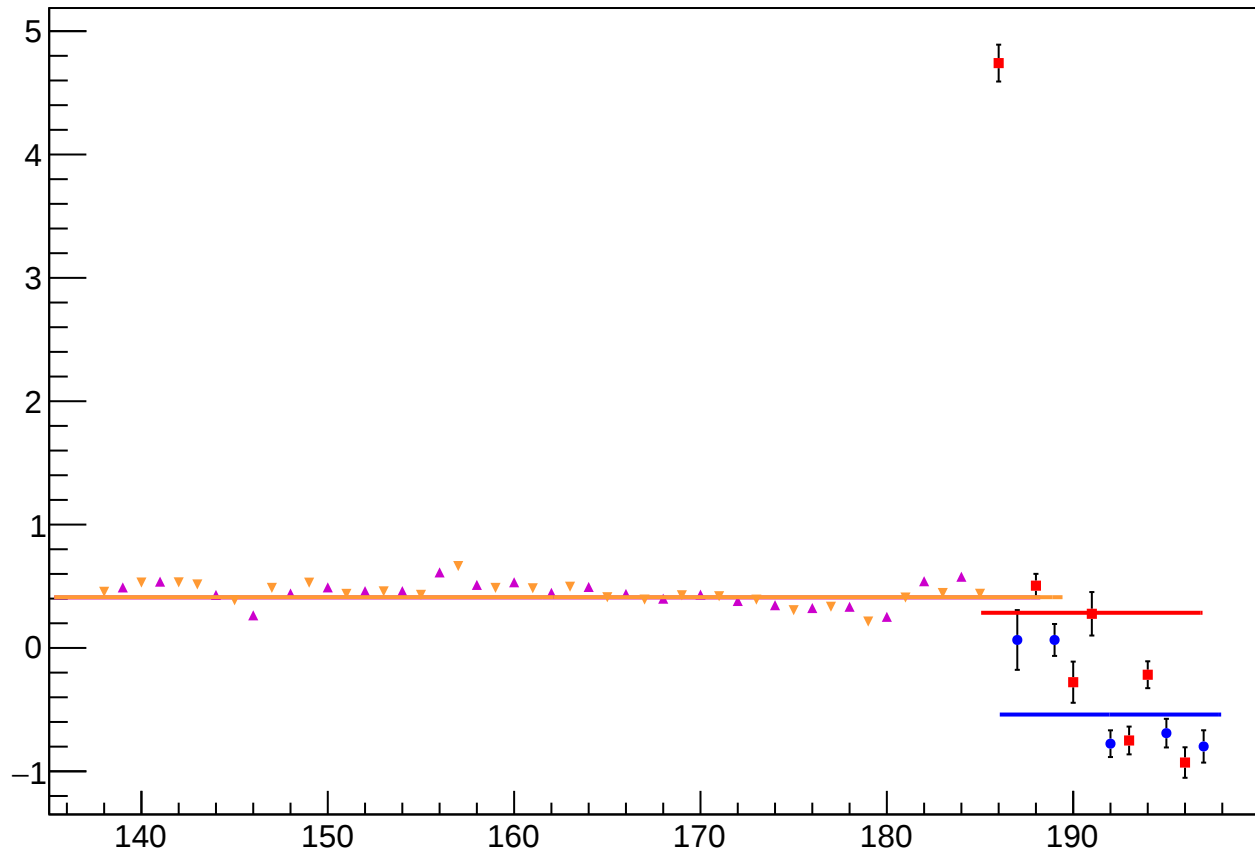
Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

+ sign -15.256 ± 0.086 $\chi^2/\text{NDF}: 2628.2/29$

All: -15.069 ± 0.061 $\chi^2/\text{NDF}: 4924.8/59$

- sign -14.879 ± 0.087 $\chi^2/\text{NDF}: 2287.0/29$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: -0.540+/-0.058 χ^2/NDF : 38.4/4

Left Out: 0.411+/-0.004 χ^2/NDF : 428.7/24

Right Out: 0.285+/-0.047 χ^2/NDF : 1108.6/6

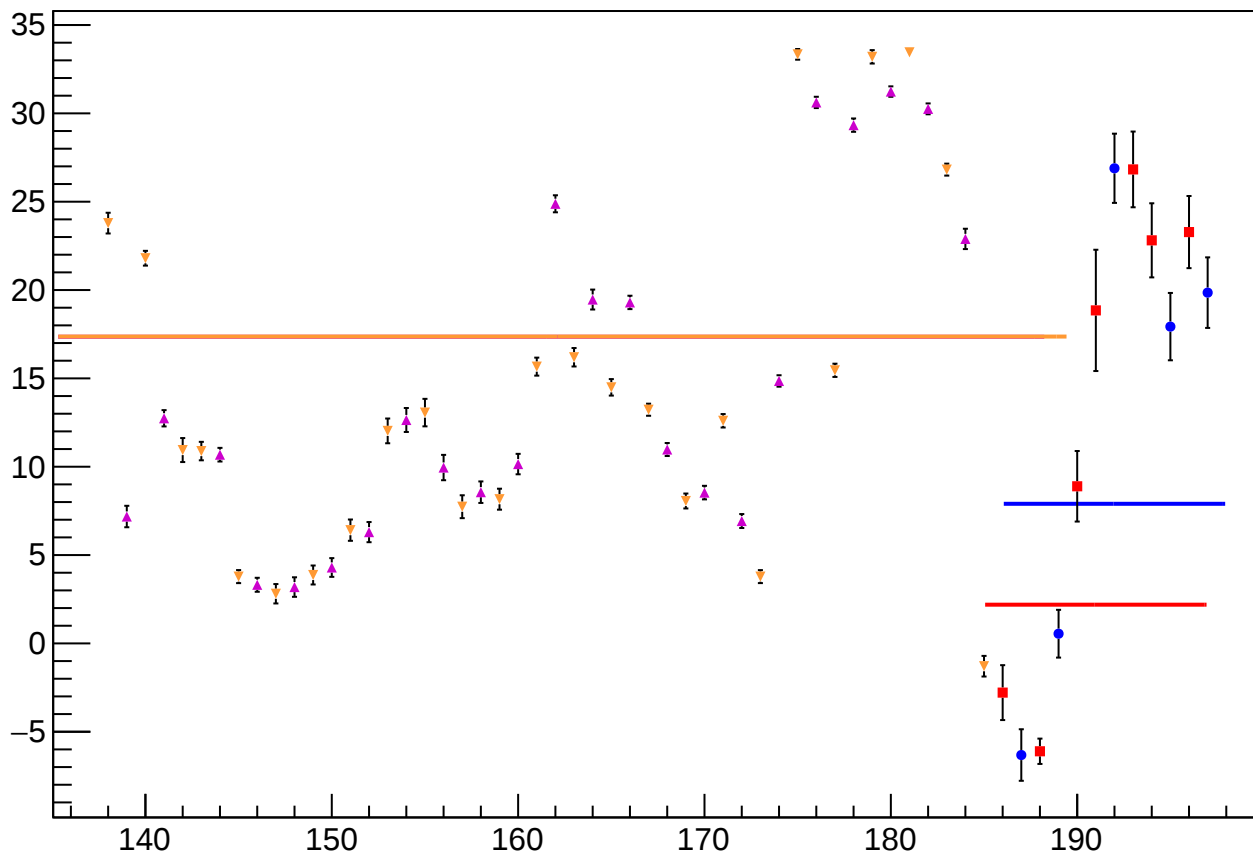
Left In: 0.409+/-0.004 χ^2/NDF : 557.8/22

+ sign 0.407+/-0.004 χ^2/NDF : 732.4/29

All: 0.408+/-0.003 χ^2/NDF : 2405.8/59

- sign 0.409+/-0.004 χ^2/NDF : 1673.4/29

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 7.901 ± 0.745 χ^2/NDF : 282.1/4

Left Out: 17.367 ± 0.087 χ^2/NDF : 16337.6/24

Right Out: 2.191 ± 0.544 χ^2/NDF : 514.7/6

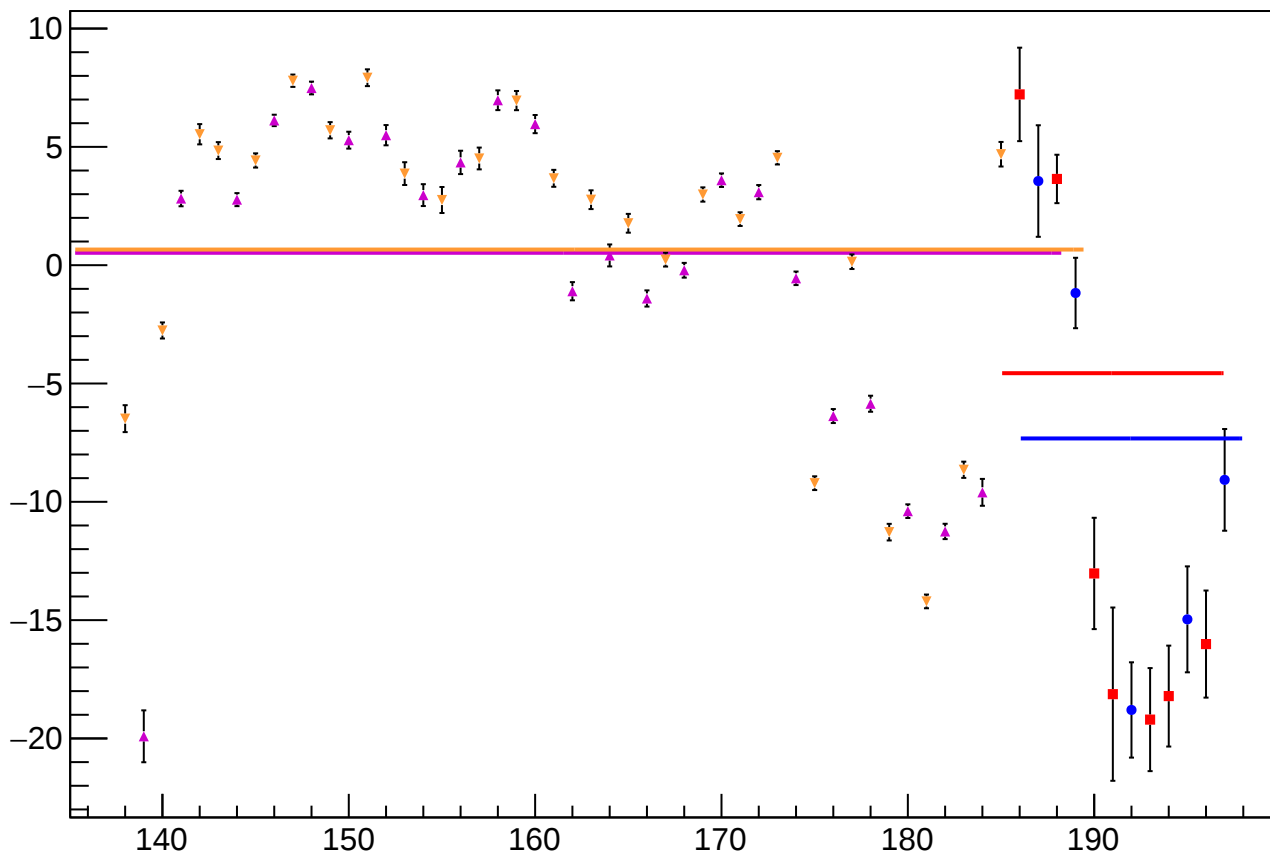
Left In: 17.355 ± 0.089 χ^2/NDF : 12745.1/22

+ sign 17.239 ± 0.087 χ^2/NDF : 16779.2/29

All: 17.102 ± 0.062 χ^2/NDF : 30801.4/59

- sign 16.960 ± 0.088 χ^2/NDF : 14017.1/29

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -7.322 ± 0.879 χ^2/NDF : 83.2/4

Left Out: 0.661 ± 0.069 χ^2/NDF : 8553.9/24

Right Out: -4.564 ± 0.691 χ^2/NDF : 238.4/6

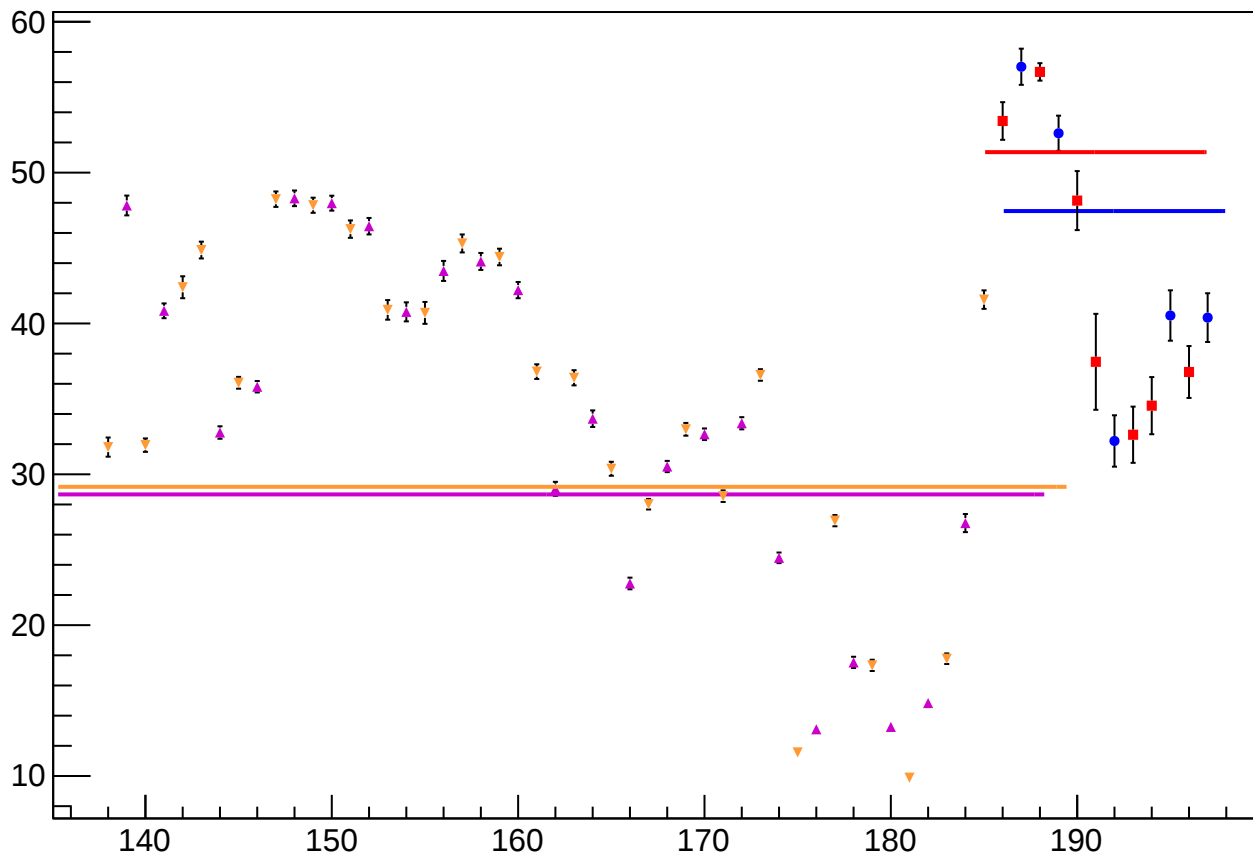
Left In: 0.524 ± 0.071 χ^2/NDF : 6729.7/22

+ sign 0.611 ± 0.069 χ^2/NDF : 8719.0/29

All: 0.542 ± 0.049 χ^2/NDF : 15742.7/59

- sign 0.471 ± 0.070 χ^2/NDF : 7021.7/29

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 47.453+/-0.630 χ^2/NDF : 199.6/4

Left Out: 29.171+/-0.088 χ^2/NDF : 18974.7/24

Right Out: 51.358+/-0.452 χ^2/NDF : 360.7/6

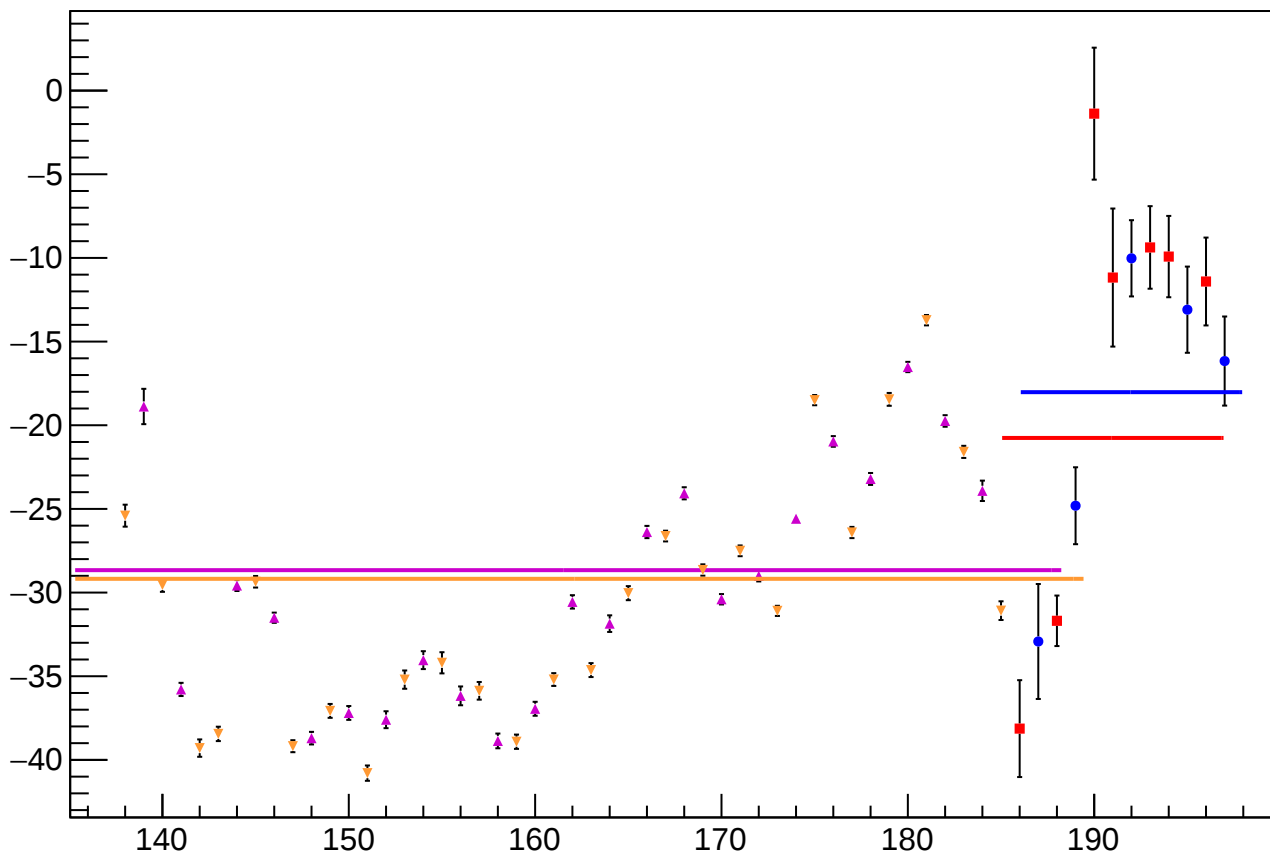
Left In: 28.667+/-0.089 χ^2/NDF : 16847.2/22

+ sign 29.519+/-0.087 χ^2/NDF : 19999.4/29

All: 29.517+/-0.062 χ^2/NDF : 39632.9/59

- sign 29.516+/-0.087 χ^2/NDF : 19633.5/29

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -18.023 ± 1.148 χ^2/NDF : 44.0/4

Left Out: -29.178 ± 0.078 χ^2/NDF : 9081.4/24

Right Out: -20.759 ± 0.928 χ^2/NDF : 171.9/6

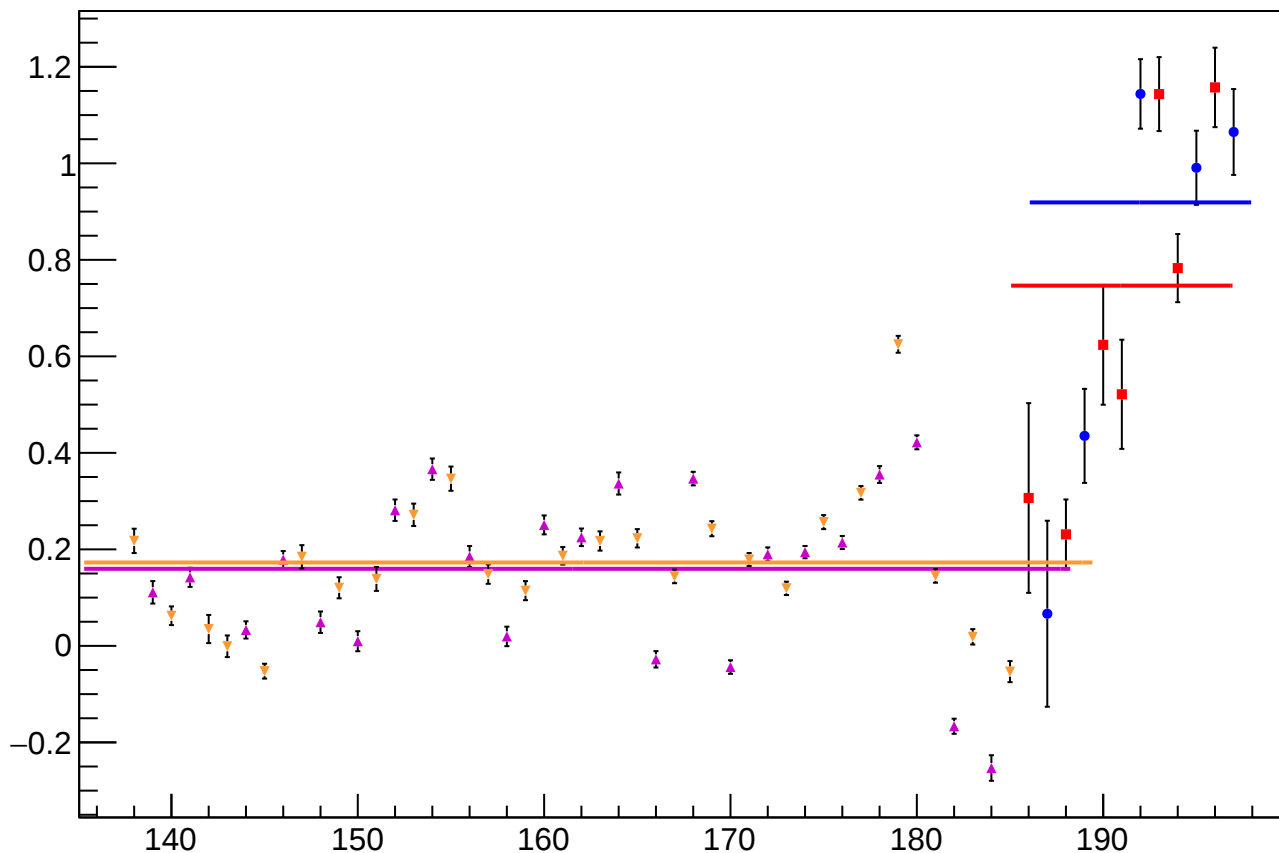
Left In: -28.660 ± 0.080 χ^2/NDF : 6670.1/22

+ sign -29.126 ± 0.078 χ^2/NDF : 9219.4/29

All: -28.869 ± 0.056 χ^2/NDF : 16155.4/59

- sign -28.602 ± 0.080 χ^2/NDF : 6913.9/29

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.919 ± 0.040 $\chi^2/\text{NDF}: 57.5/4$

Left Out: 0.173 ± 0.004 $\chi^2/\text{NDF}: 1478.5/24$

Right Out: 0.747 ± 0.034 $\chi^2/\text{NDF}: 112.7/6$

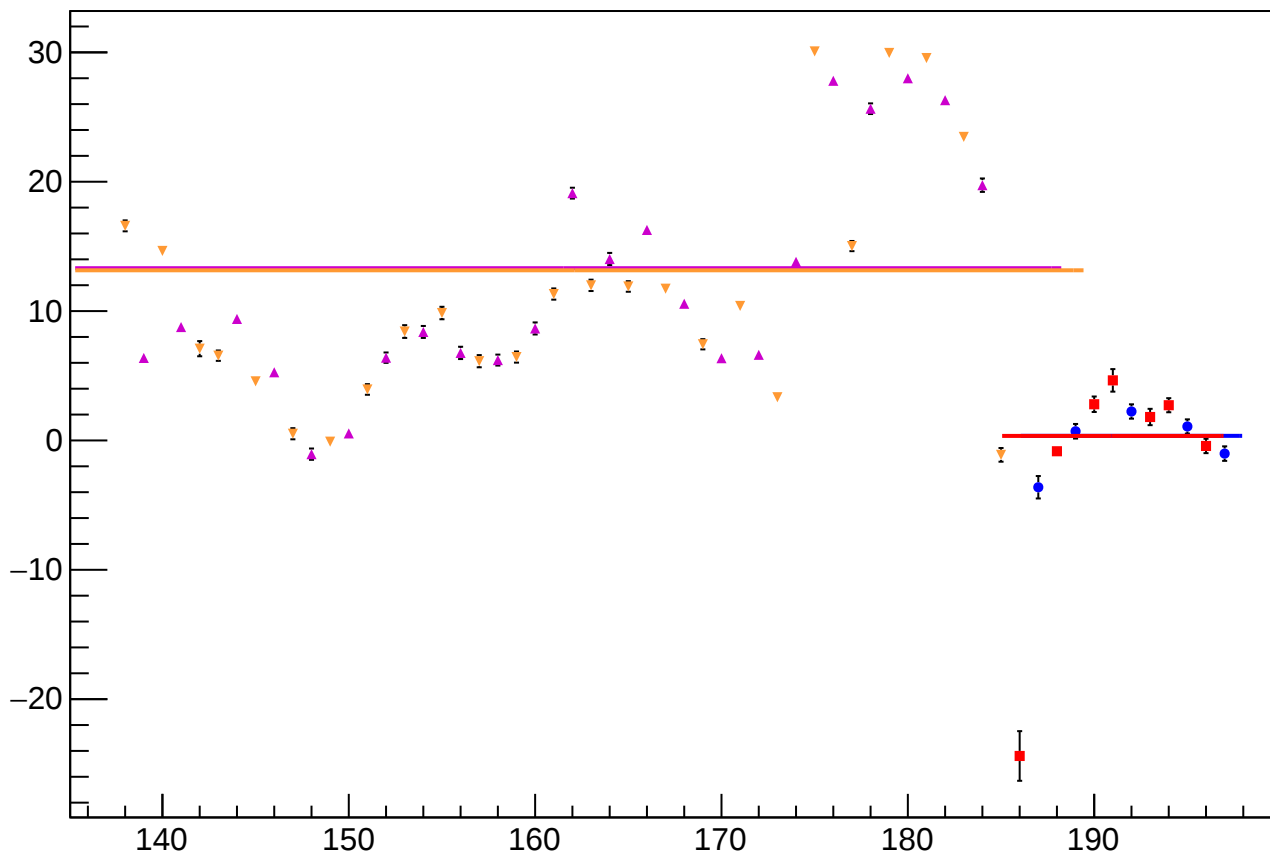
Left In: 0.160 ± 0.004 $\chi^2/\text{NDF}: 2057.9/22$

+ sign 0.179 ± 0.004 $\chi^2/\text{NDF}: 1878.8/29$

All: 0.173 ± 0.003 $\chi^2/\text{NDF}: 4354.2/59$

- sign 0.167 ± 0.004 $\chi^2/\text{NDF}: 2469.6/29$

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.356 $\pm$ 0.265 χ^2 /NDF: 40.7/4

Left Out: 13.153 $\pm$ 0.075 χ^2 /NDF:17079.7/24

Right Out: 0.350 $\pm$ 0.196 χ^2 /NDF: 251.2/6

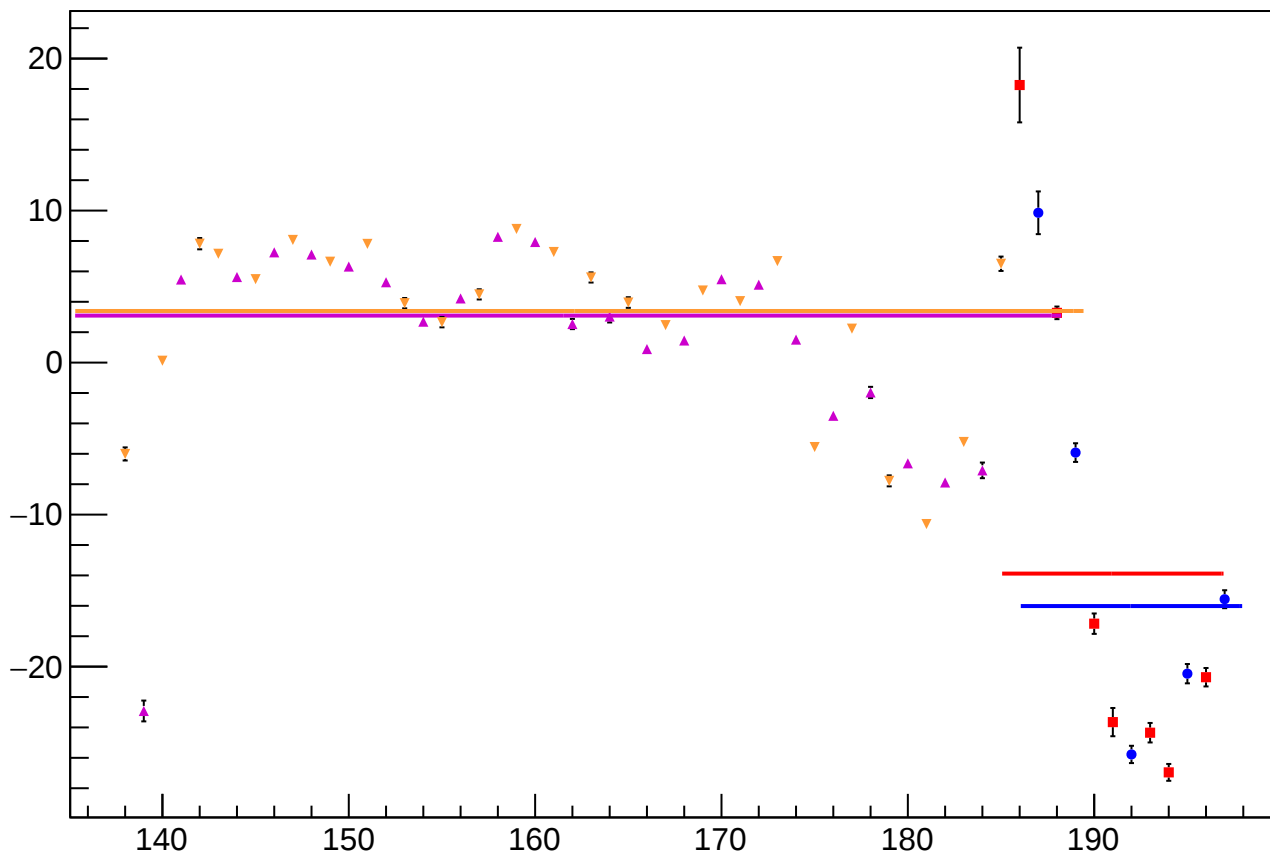
Left In: 13.315 $\pm$ 0.077 χ^2 /NDF:13977.7/22

+ sign 12.200 $\pm$ 0.072 χ^2 /NDF: 19276.3/29

All: 11.884 $\pm$ 0.051 χ^2 /NDF: 37339.3/59

- sign 11.574 $\pm$ 0.072 χ^2 /NDF: 18025.3/29

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -16.016 ± 0.294 $\chi^2/\text{NDF}: 953.0/4$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: -13.880 ± 0.237 $\chi^2/\text{NDF}: 2968.5/6$

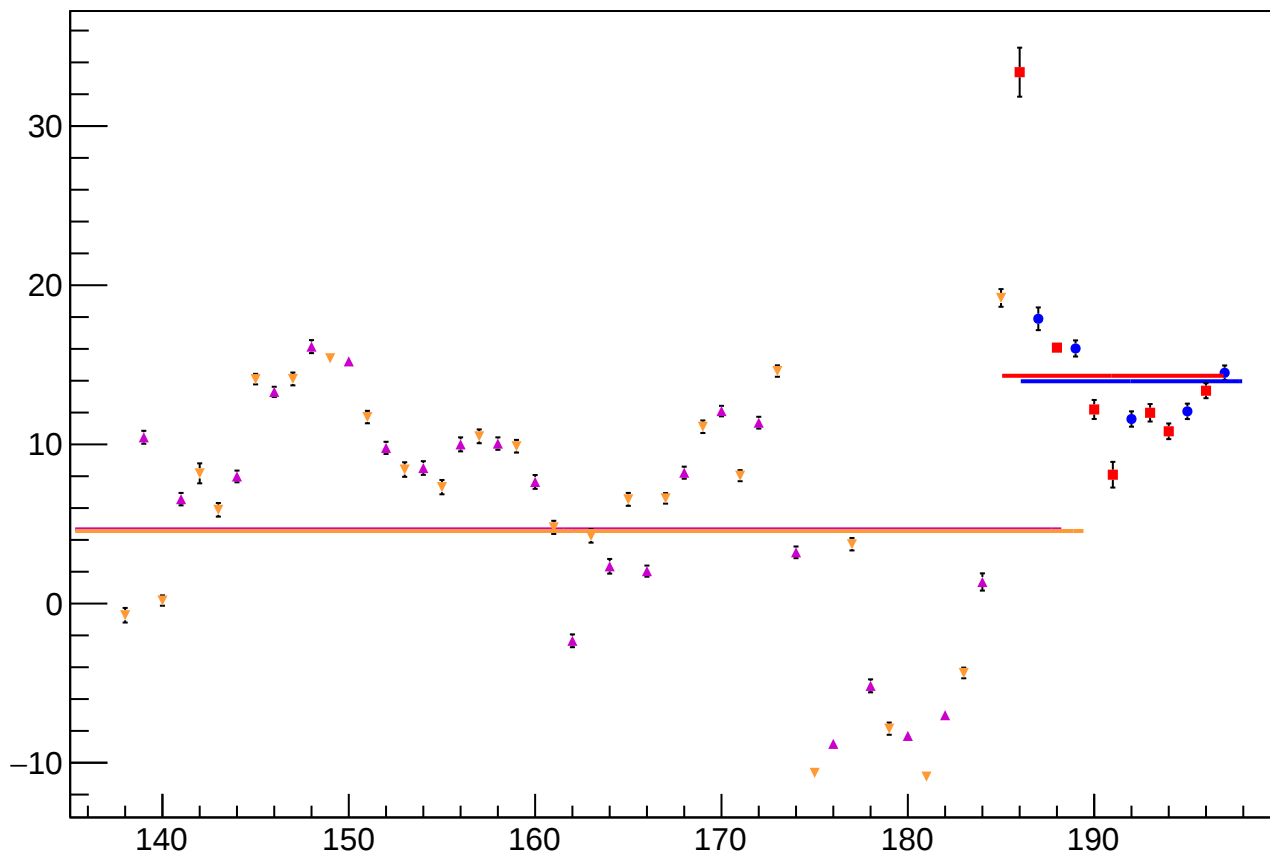
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 2.658 ± 0.057 $\chi^2/\text{NDF}: 13256.4/29$

All: 2.363 ± 0.041 $\chi^2/\text{NDF}: 28190.2/59$

- sign 2.053 ± 0.059 $\chi^2/\text{NDF}: 14879.4/29$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.966 $\pm$ 0.229 χ^2 /NDF: 87.5/4

Left Out: 4.561 $\pm$ 0.075 χ^2 /NDF:13592.1/24

Right Out: 14.312 $\pm$ 0.167 χ^2 /NDF: 357.3/6

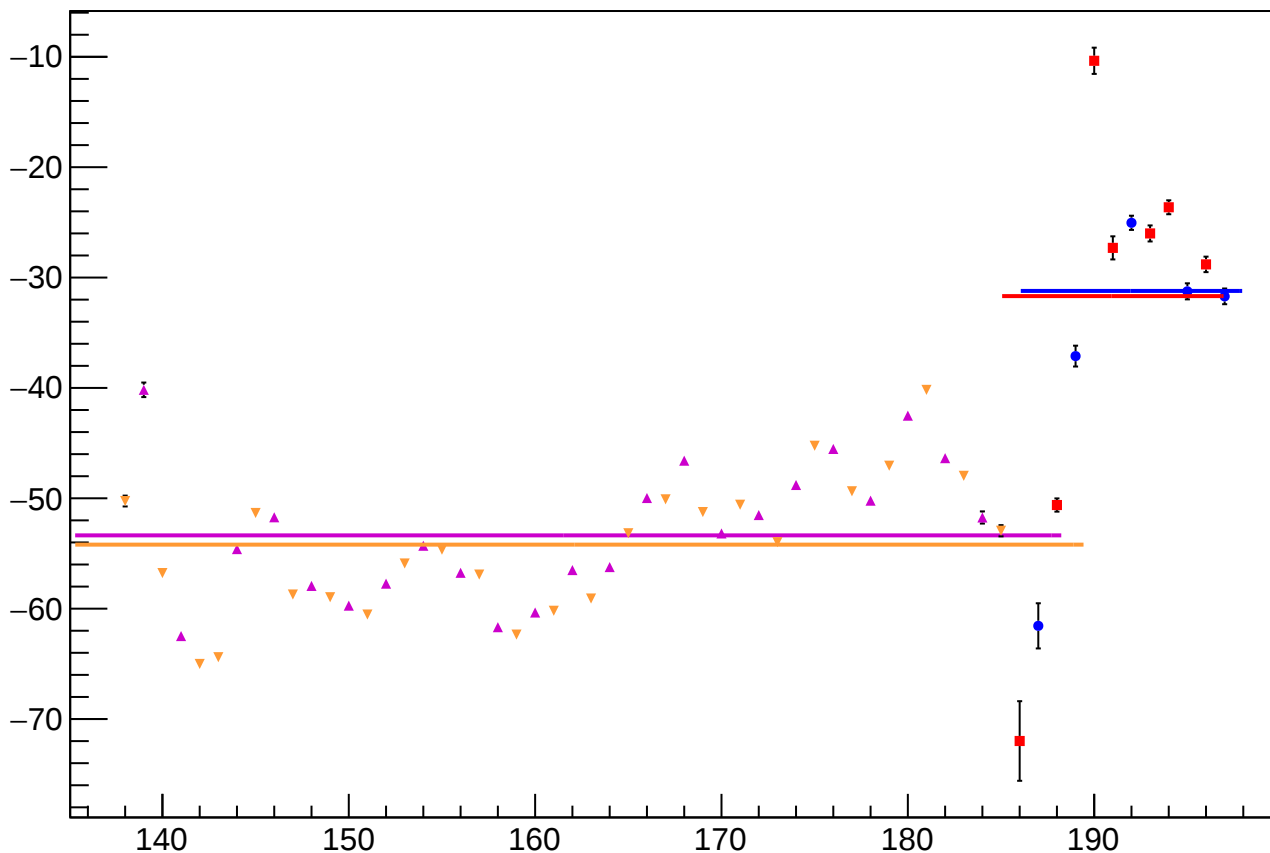
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

+ sign 5.483 $\pm$ 0.072 χ^2 /NDF: 15206.7/29

All: 5.926 $\pm$ 0.050 χ^2 /NDF: 29676.4/59

- sign 6.347 $\pm$ 0.070 χ^2 /NDF: 14395.0/29

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -31.211 ± 0.362 χ^2/NDF : 351.4/4

Left Out: -54.199 ± 0.066 χ^2/NDF : 8454.7/24

Right Out: -31.681 ± 0.303 χ^2/NDF : 1703.4/6

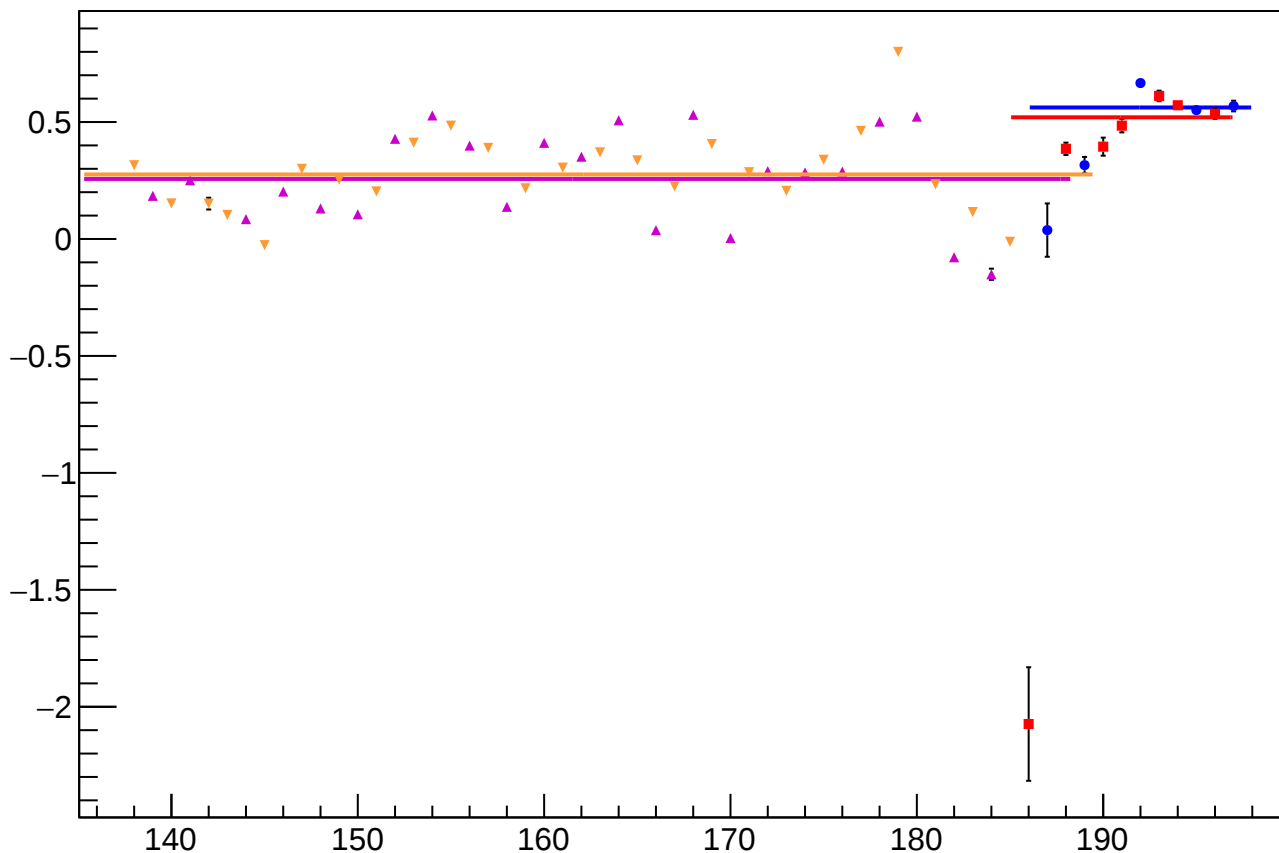
Left In: -53.359 ± 0.068 χ^2/NDF : 6882.0/22

+ sign -53.450 ± 0.065 χ^2/NDF : 12710.6/29

All: -52.890 ± 0.047 χ^2/NDF : 26327.3/59

- sign -52.303 ± 0.067 χ^2/NDF : 13465.9/29

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.562 ± 0.012 $\chi^2/\text{NDF}: 97.1/4$

Left Out: 0.276 ± 0.003 $\chi^2/\text{NDF}: 2623.6/24$

Right Out: 0.520 ± 0.010 $\chi^2/\text{NDF}: 177.2/6$

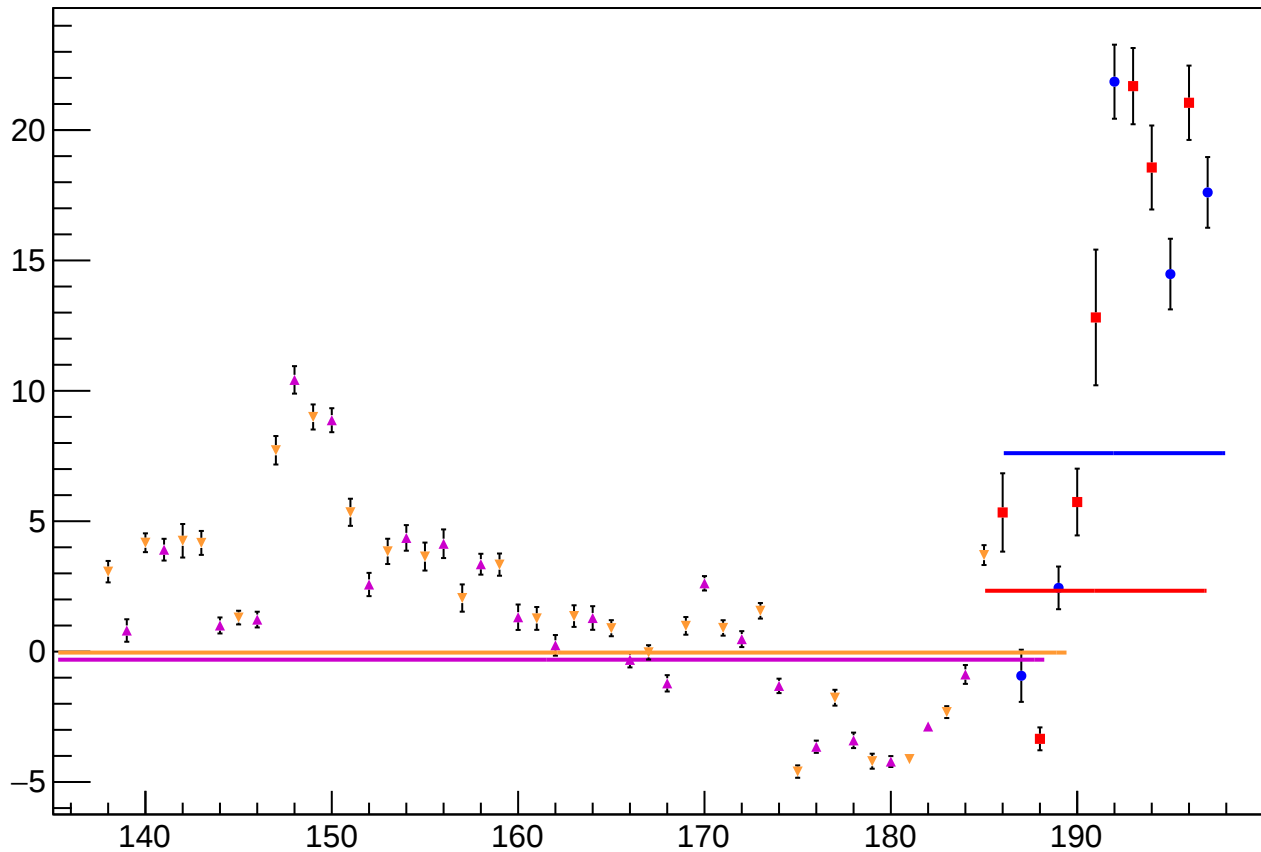
Left In: 0.257 ± 0.003 $\chi^2/\text{NDF}: 3623.9/22$

+ sign 0.294 ± 0.003 $\chi^2/\text{NDF}: 3286.4/29$

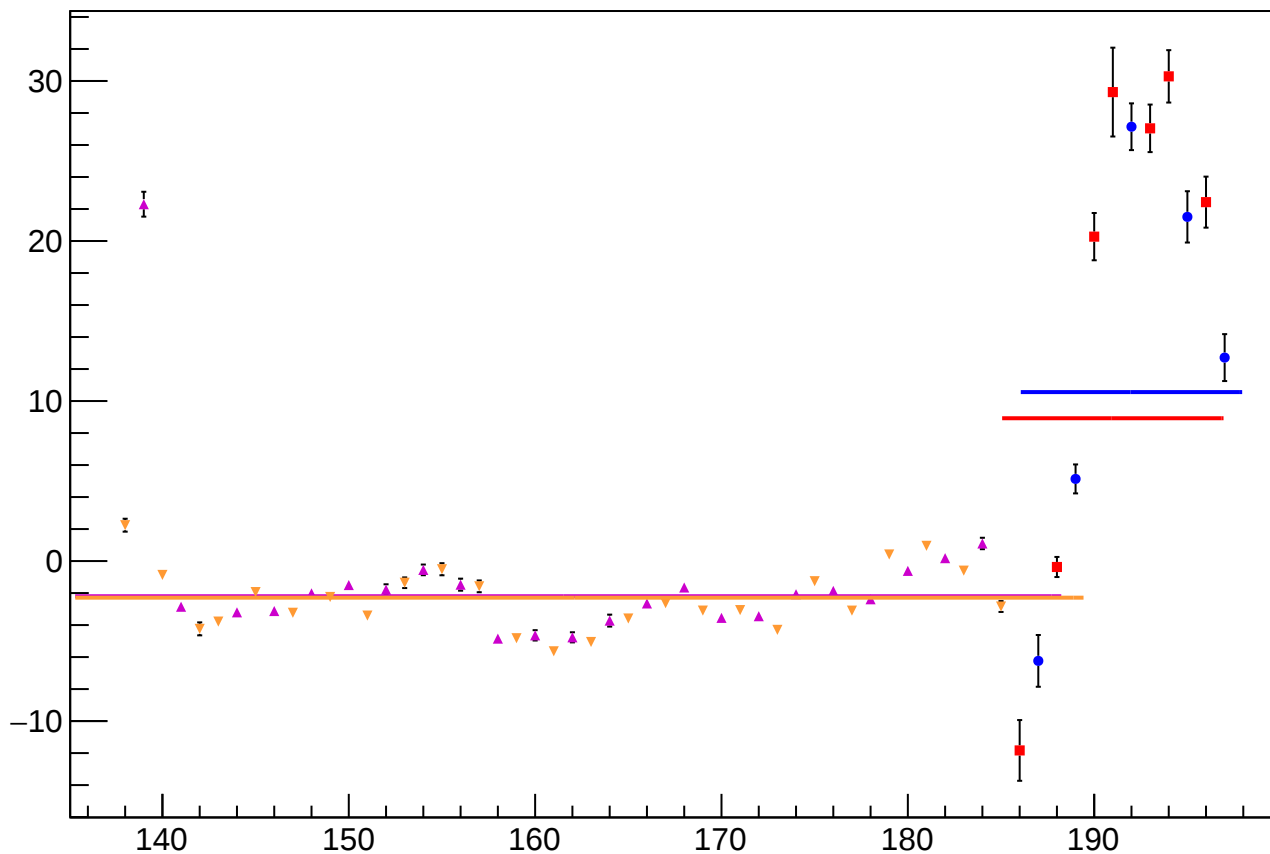
All: 0.287 ± 0.002 $\chi^2/\text{NDF}: 7751.9/59$

- sign 0.281 ± 0.003 $\chi^2/\text{NDF}: 4454.8/29$

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 10.559 $\pm$ 0.585 χ^2 /NDF: 321.5/4

Left Out: -2.288 $\pm$ 0.054 χ^2 /NDF:1137.7/24

Right Out: 8.924 $\pm$ 0.465 χ^2 /NDF: 842.6/6

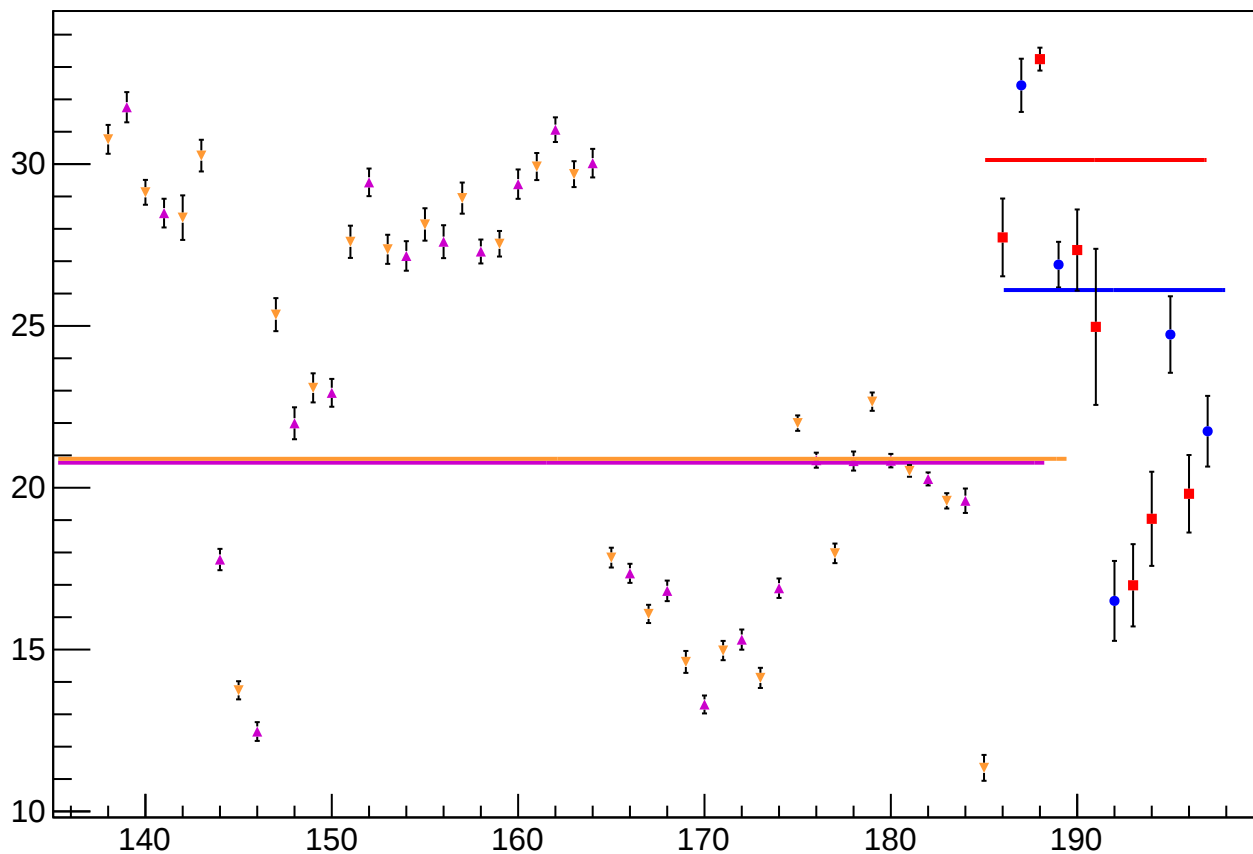
Left In: -2.198 $\pm$ 0.055 χ^2 /NDF:1673.9/22

+ sign -2.179 $\pm$ 0.054 χ^2 /NDF: 1937.9/29

All: -2.112 $\pm$ 0.038 χ^2 /NDF: 5021.4/59

- sign -2.044 $\pm$ 0.055 χ^2 /NDF: 3080.4/29

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 26.109+/-0.419 χ^2/NDF : 138.3/4

Left Out: 20.894+/-0.067 χ^2/NDF : 6655.4/24

Right Out: 30.127+/-0.298 χ^2/NDF : 330.1/6

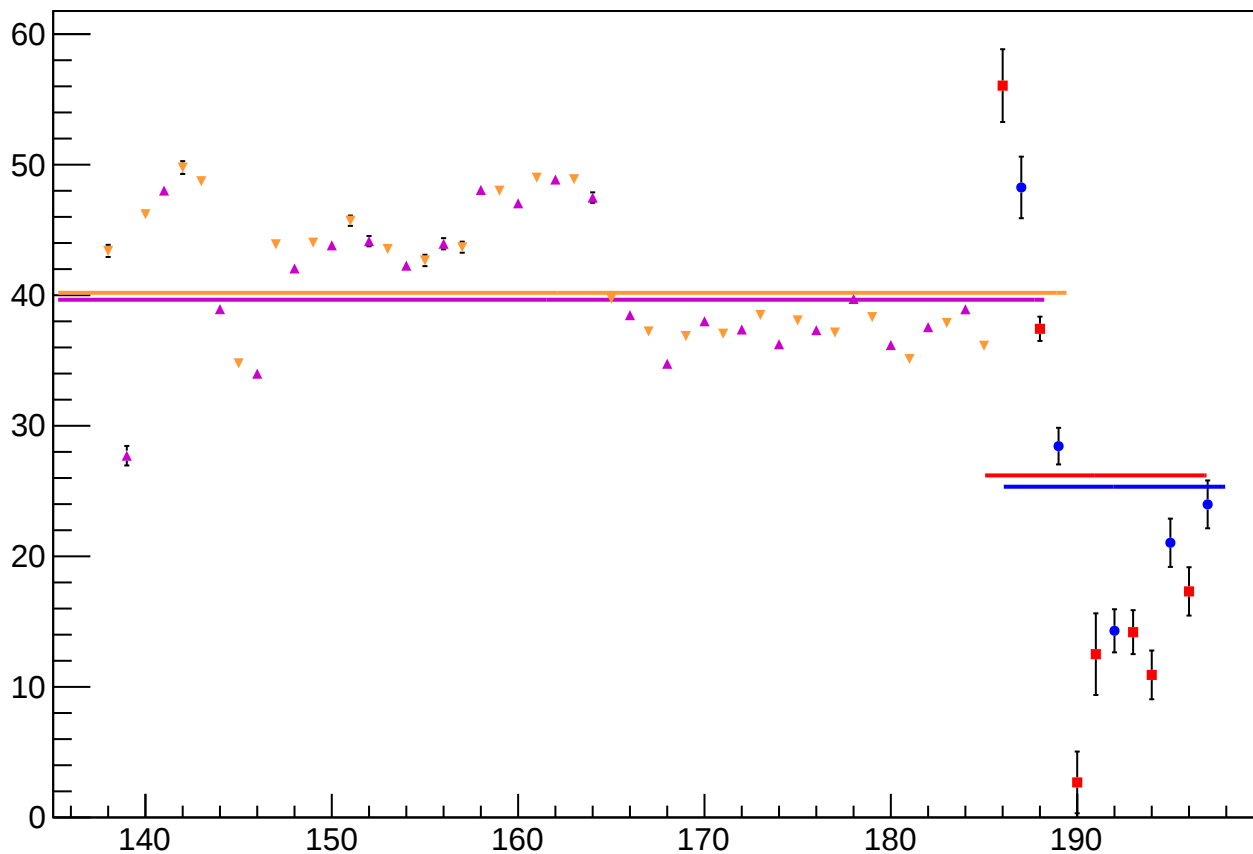
Left In: 20.774+/-0.068 χ^2/NDF : 5927.9/22

+ sign 21.023+/-0.066 χ^2/NDF : 6944.8/29

All: 21.127+/-0.047 χ^2/NDF : 14145.5/59

- sign 21.232+/-0.066 χ^2/NDF : 7195.7/29

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 25.333 $\pm$ 0.780 χ^2 /NDF: 150.0/4

Left Out: 40.186 $\pm$ 0.060 χ^2 /NDF: 5932.7/24

Right Out: 26.198 $\pm$ 0.633 χ^2 /NDF: 519.4/6

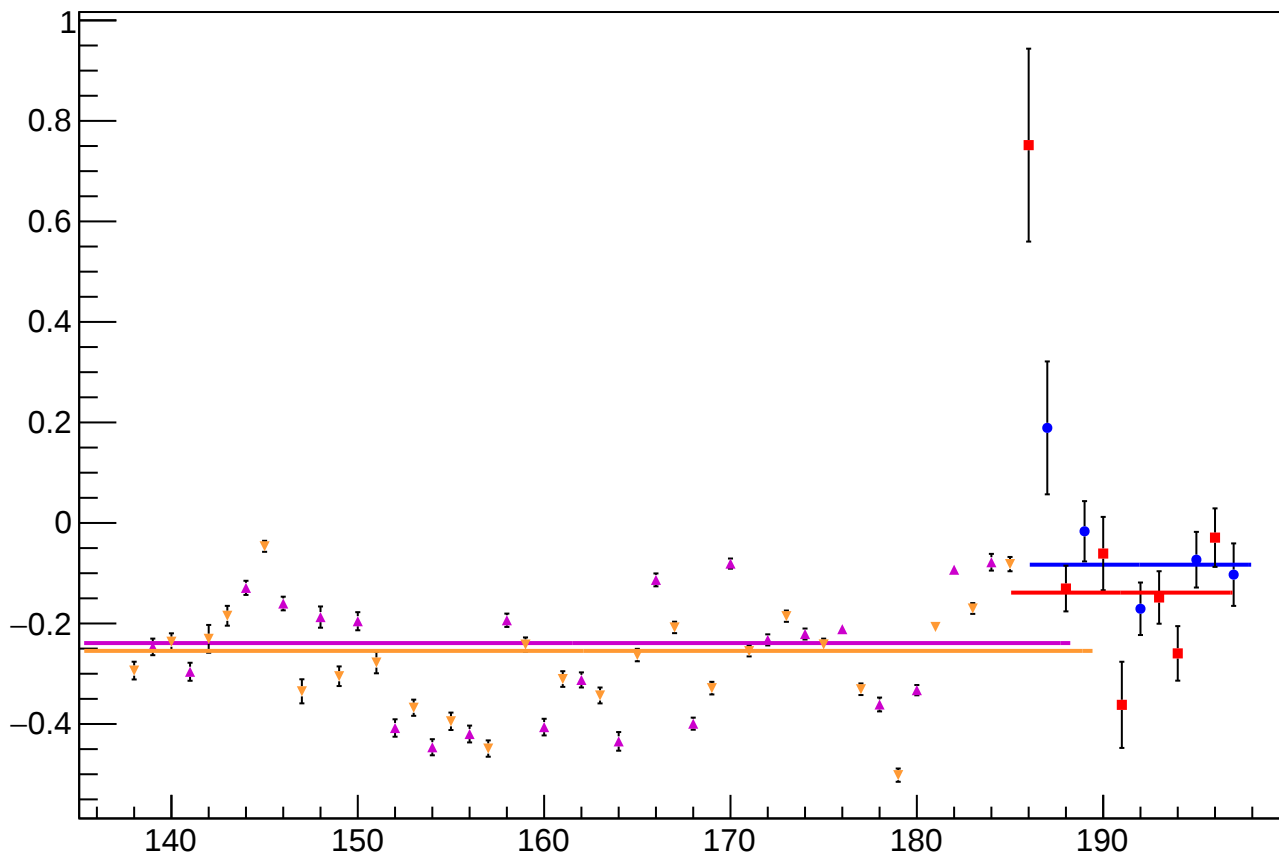
Left In: 39.655 $\pm$ 0.061 χ^2 /NDF: 5298.6/22

+ sign 40.098 $\pm$ 0.060 χ^2 /NDF: 6443.4/29

All: 39.818 $\pm$ 0.043 χ^2 /NDF: 12753.2/59

- sign 39.529 $\pm$ 0.061 χ^2 /NDF: 6266.0/29

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.083 ± 0.028 χ^2/NDF : 8.4/4

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.139 ± 0.023 χ^2/NDF : 38.0/6

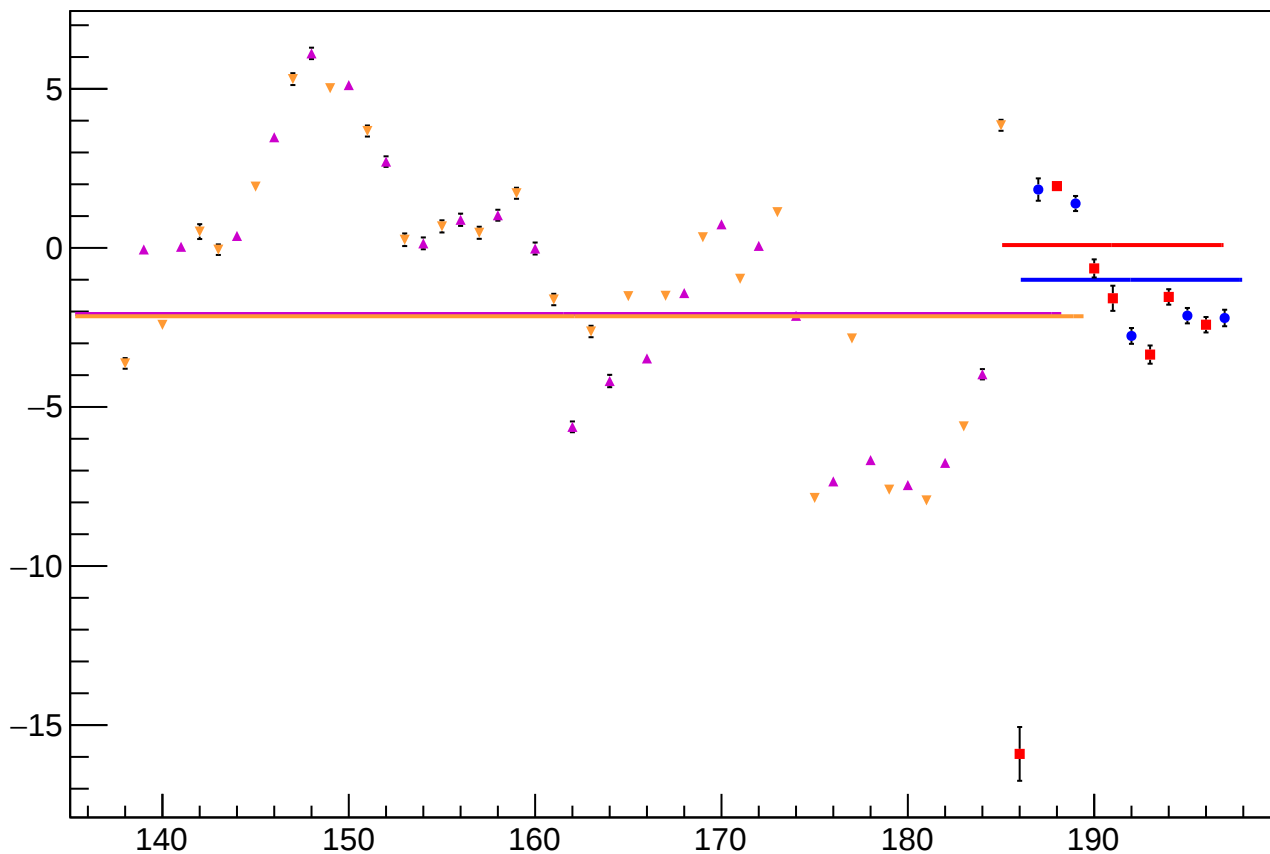
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.253 ± 0.003 χ^2/NDF : 1466.3/29

All: -0.245 ± 0.002 χ^2/NDF : 3288.6/59

- sign -0.238 ± 0.003 χ^2/NDF : 1806.7/29

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.002 ± 0.116 χ^2/NDF : 260.8/4

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: 0.089 ± 0.082 χ^2/NDF : 964.1/6

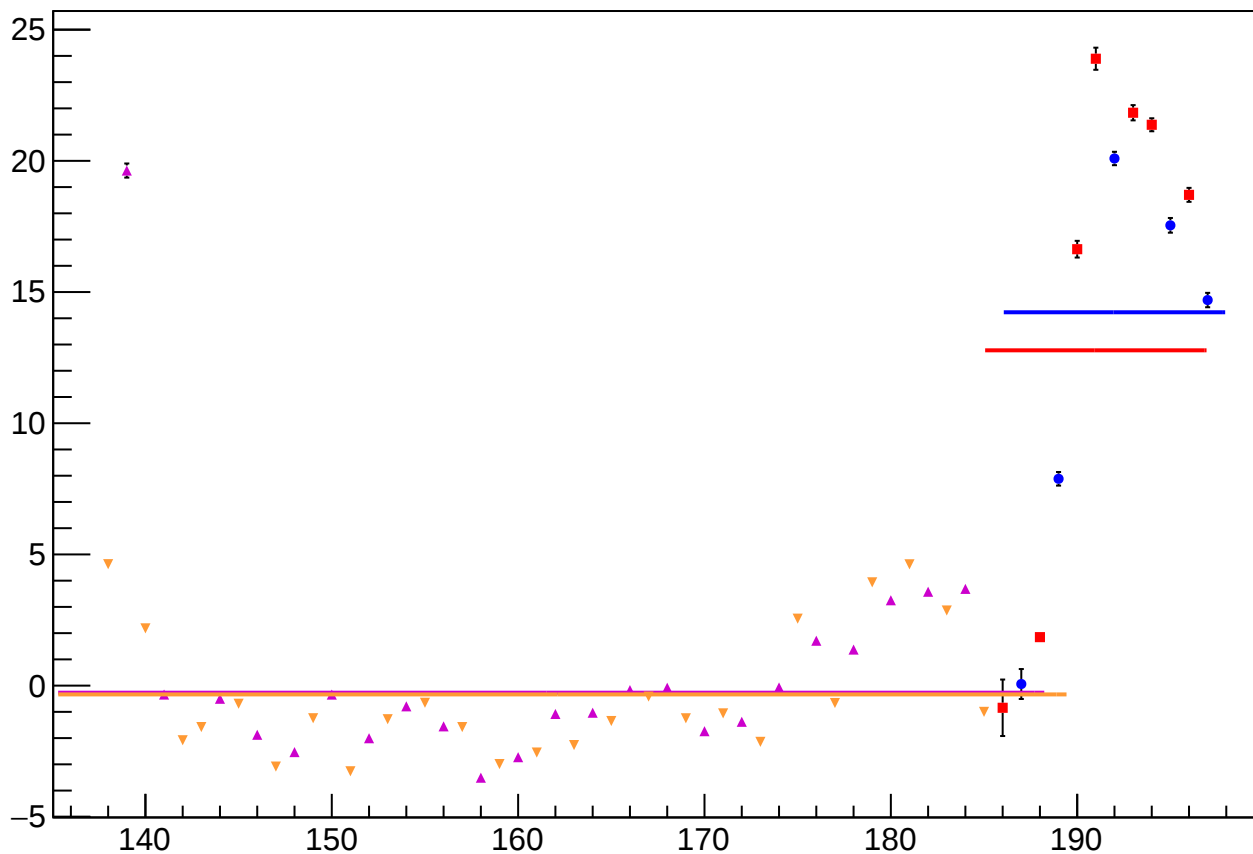
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -2.095 ± 0.025 χ^2/NDF : 24889.8/29

All: -1.986 ± 0.018 χ^2/NDF : 49774.5/59

- sign -1.878 ± 0.025 χ^2/NDF : 24846.8/29

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 14.229 $\pm$ 0.130 χ^2 /NDF: 1884.5/4

Left Out: -0.335 $\pm$ 0.021 χ^2 /NDF: 12596.1/24

Right Out: 12.779 $\pm$ 0.102 χ^2 /NDF: 8258.3/6

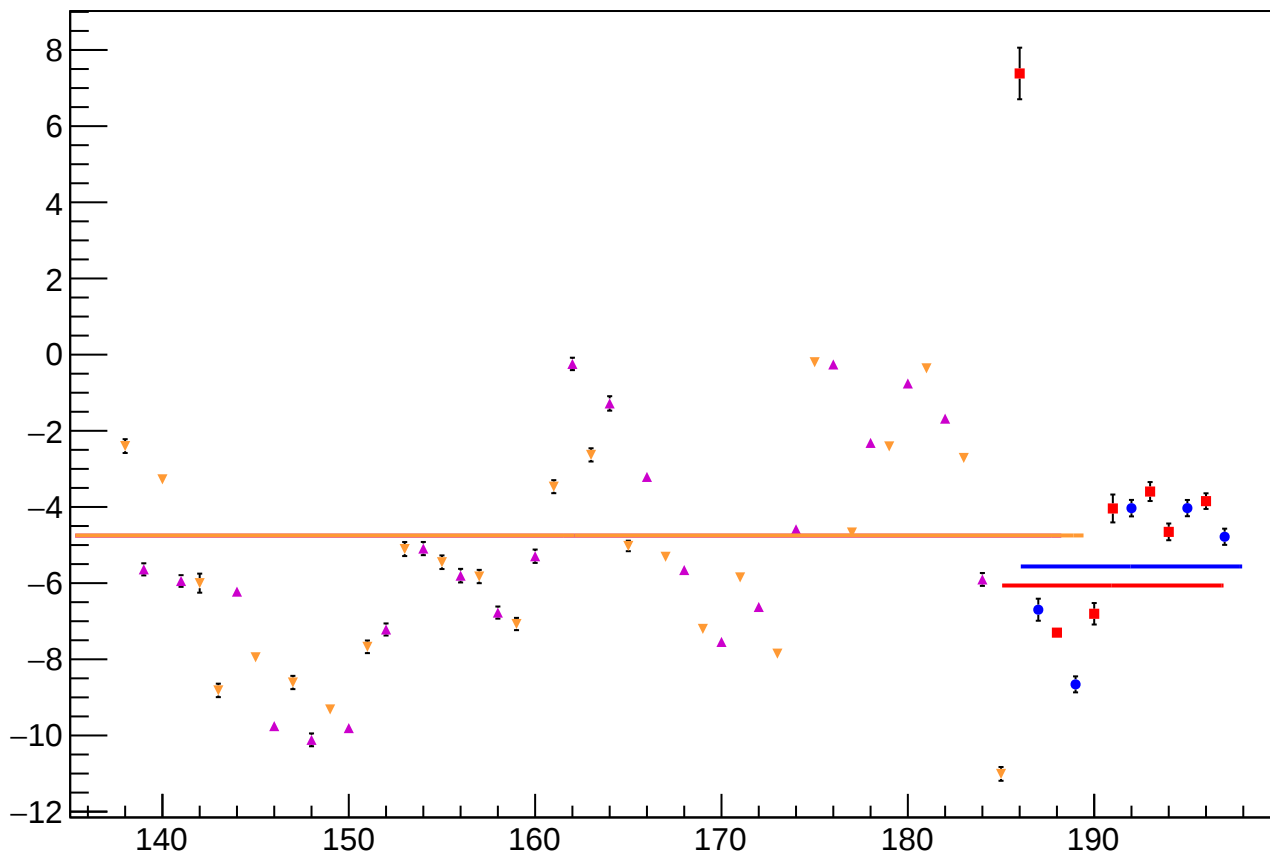
Left In: -0.269 $\pm$ 0.021 χ^2 /NDF: 13323.1/22

+ sign 0.022 $\pm$ 0.020 χ^2 /NDF: 26742.2/29

All: 0.141 $\pm$ 0.014 χ^2 /NDF: 64231.8/59

- sign 0.263 $\pm$ 0.021 χ^2 /NDF: 37419.7/29

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.562 $\pm$ 0.100 χ^2 /NDF: 347.2/4

Left Out: -4.748 $\pm$ 0.026 χ^2 /NDF:13289.8/24

Right Out: -6.062 $\pm$ 0.069 χ^2 /NDF: 881.0/6

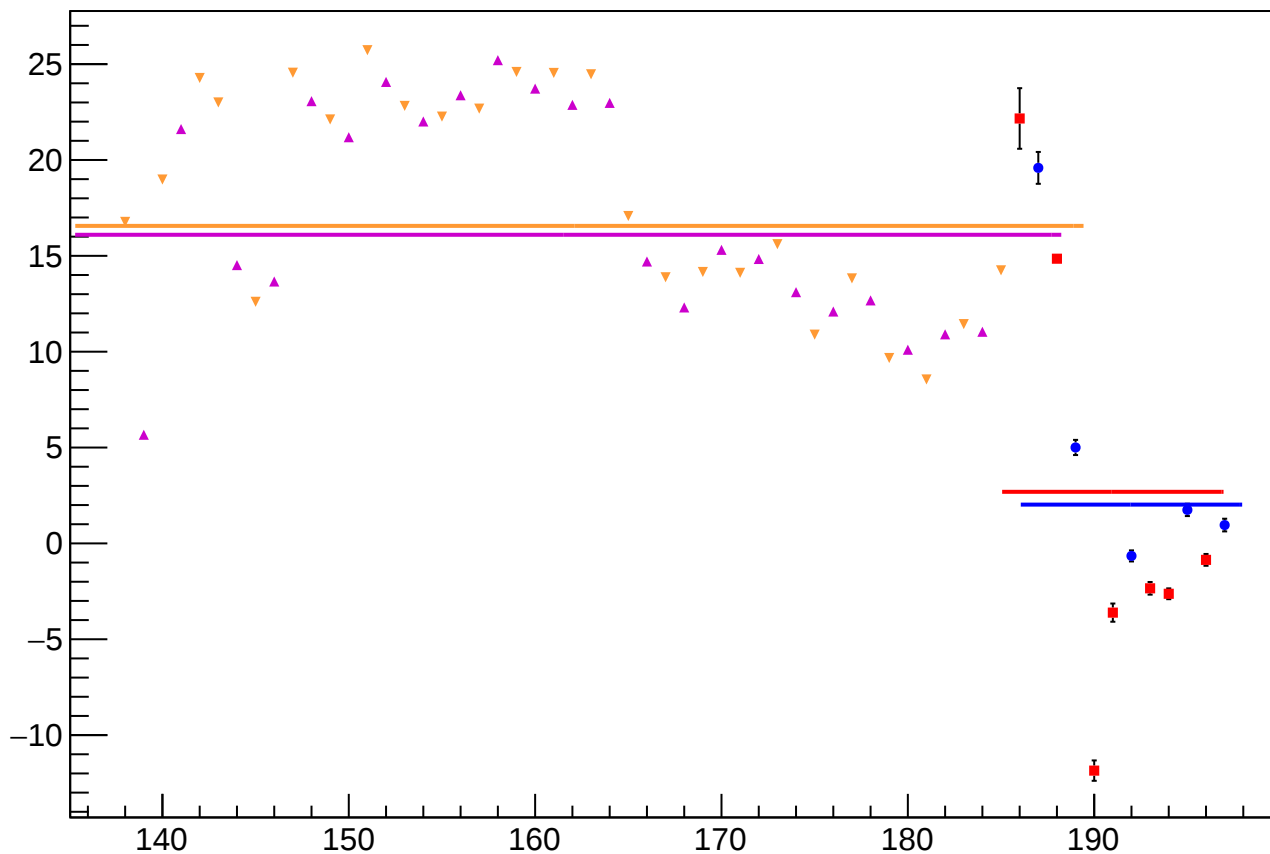
Left In: -4.753 $\pm$ 0.026 χ^2 /NDF:14119.2/22

+ sign -4.799 $\pm$ 0.025 χ^2 /NDF: 13699.2/29

All: -4.859 $\pm$ 0.017 χ^2 /NDF: 29024.6/59

- sign -4.917 $\pm$ 0.024 χ^2 /NDF: 15314.0/29

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 2.023 ± 0.161 $\chi^2/\text{NDF}: 600.3/4$

Left Out: 16.563 ± 0.023 $\chi^2/\text{NDF}: 53858.5/24$

Right Out: 2.691 ± 0.130 $\chi^2/\text{NDF}: 4500.3/6$

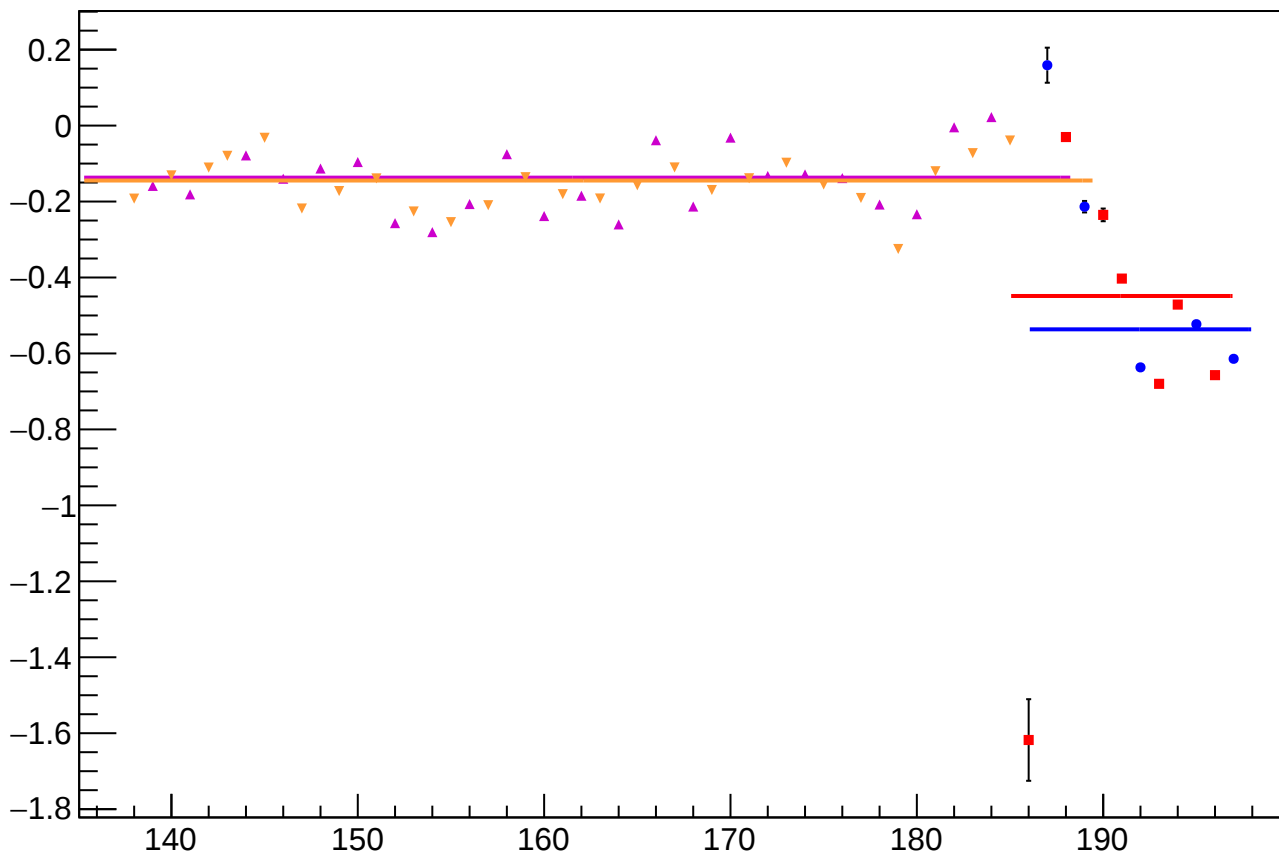
Left In: 16.098 ± 0.024 $\chi^2/\text{NDF}: 42345.7/22$

+ sign 16.268 ± 0.023 $\chi^2/\text{NDF}: 62457.2/29$

All: 15.974 ± 0.016 $\chi^2/\text{NDF}: 119896.5/59$

- sign 15.673 ± 0.023 $\chi^2/\text{NDF}: 57106.6/29$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.537 ± 0.005 χ^2/NDF : 858.3/4

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.449 ± 0.004 χ^2/NDF : 2894.8/6

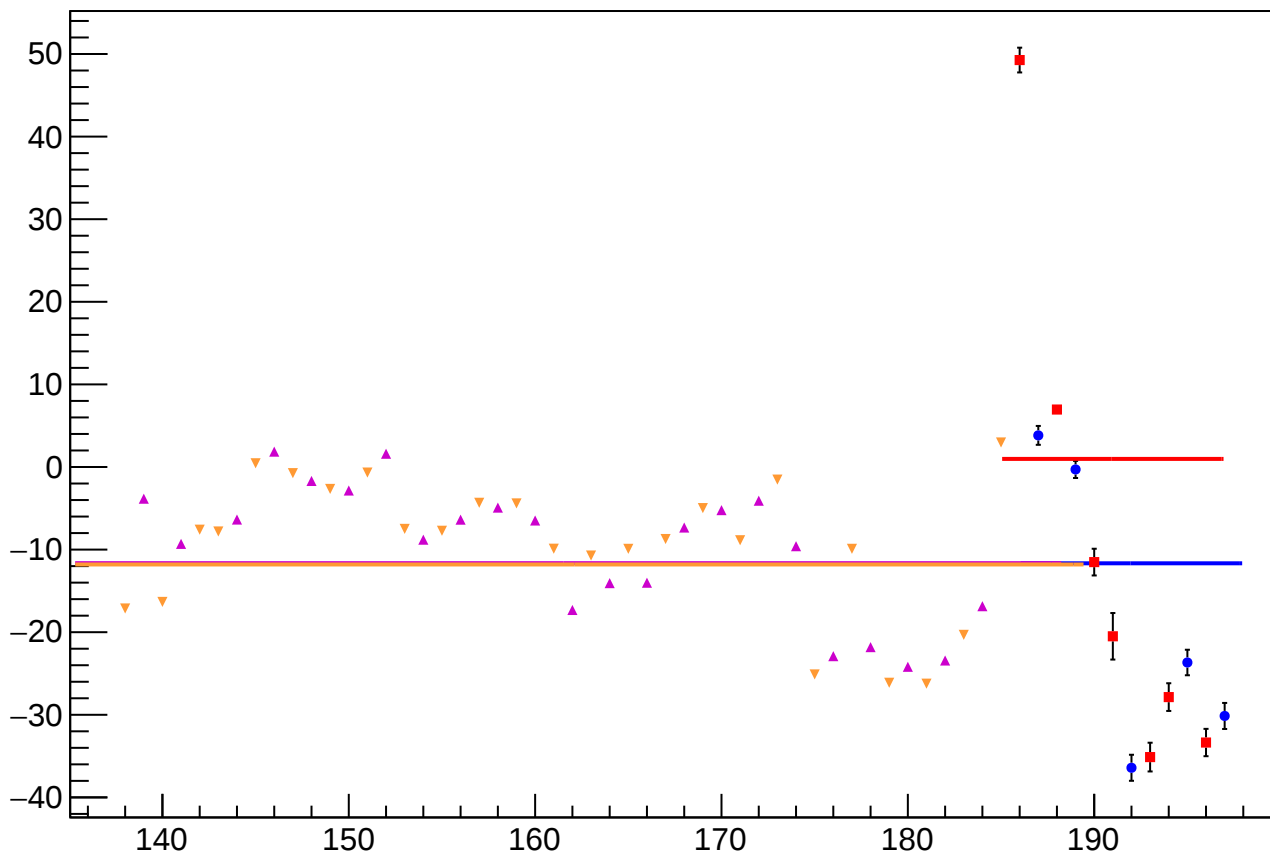
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.160 ± 0.001 χ^2/NDF : 10043.8/29

All: -0.158 ± 0.001 χ^2/NDF : 23275.9/59

- sign -0.155 ± 0.001 χ^2/NDF : 13221.7/29

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -11.659 ± 0.585 $\chi^2/\text{NDF}: 748.4/4$

Left Out: -11.801 ± 0.070 $\chi^2/\text{NDF}: 17308.2/24$

Right Out: 0.979 ± 0.427 $\chi^2/\text{NDF}: 2435.3/6$

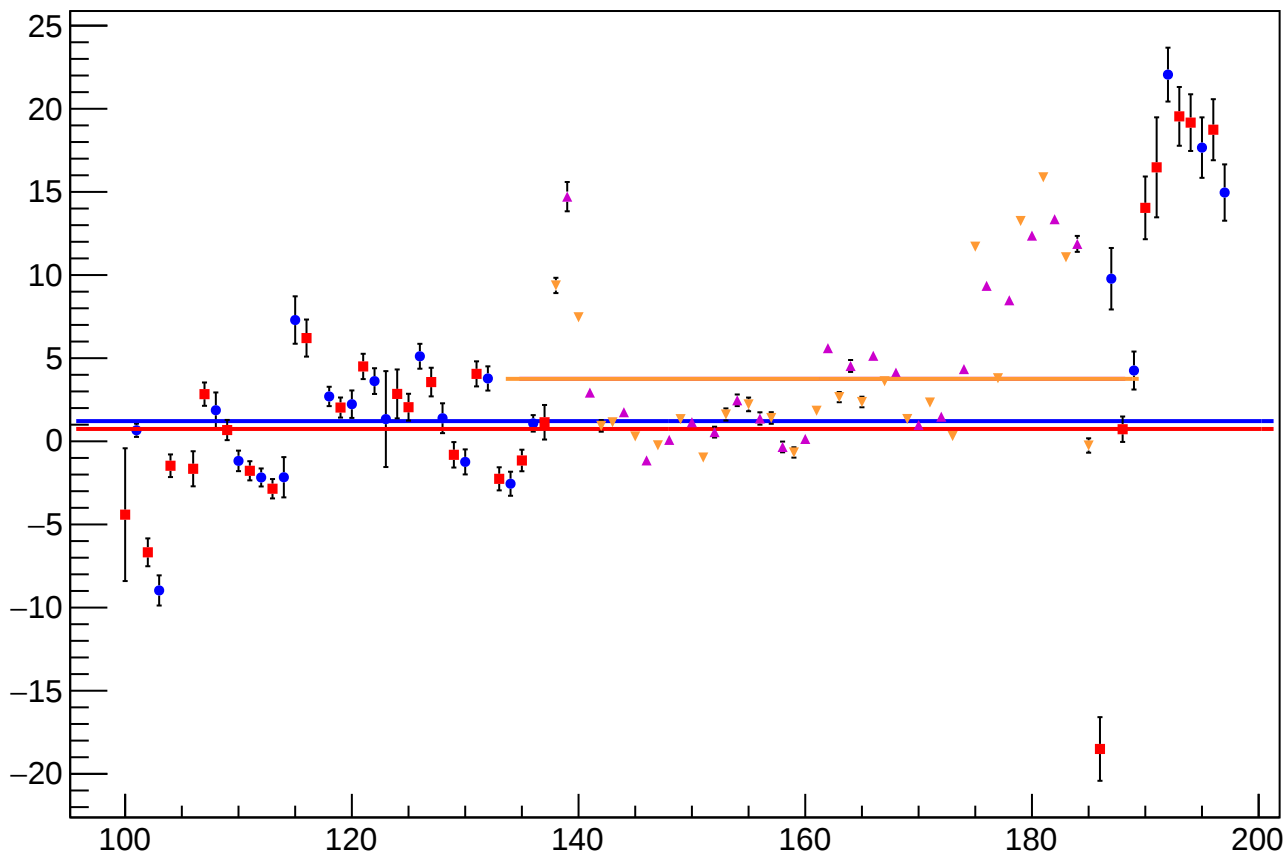
Left In: -11.642 ± 0.072 $\chi^2/\text{NDF}: 14121.2/22$

+ sign -11.799 ± 0.070 $\chi^2/\text{NDF}: 18056.6/29$

All: -11.551 ± 0.050 $\chi^2/\text{NDF}: 35486.8/59$

- sign -11.298 ± 0.071 $\chi^2/\text{NDF}: 17404.6/29$

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.215 ± 0.165 χ^2/NDF : 645.0/21

Left Out: 3.757 ± 0.056 χ^2/NDF : 7450.7/24

Right Out: 0.743 ± 0.167 χ^2/NDF : 785.2/25

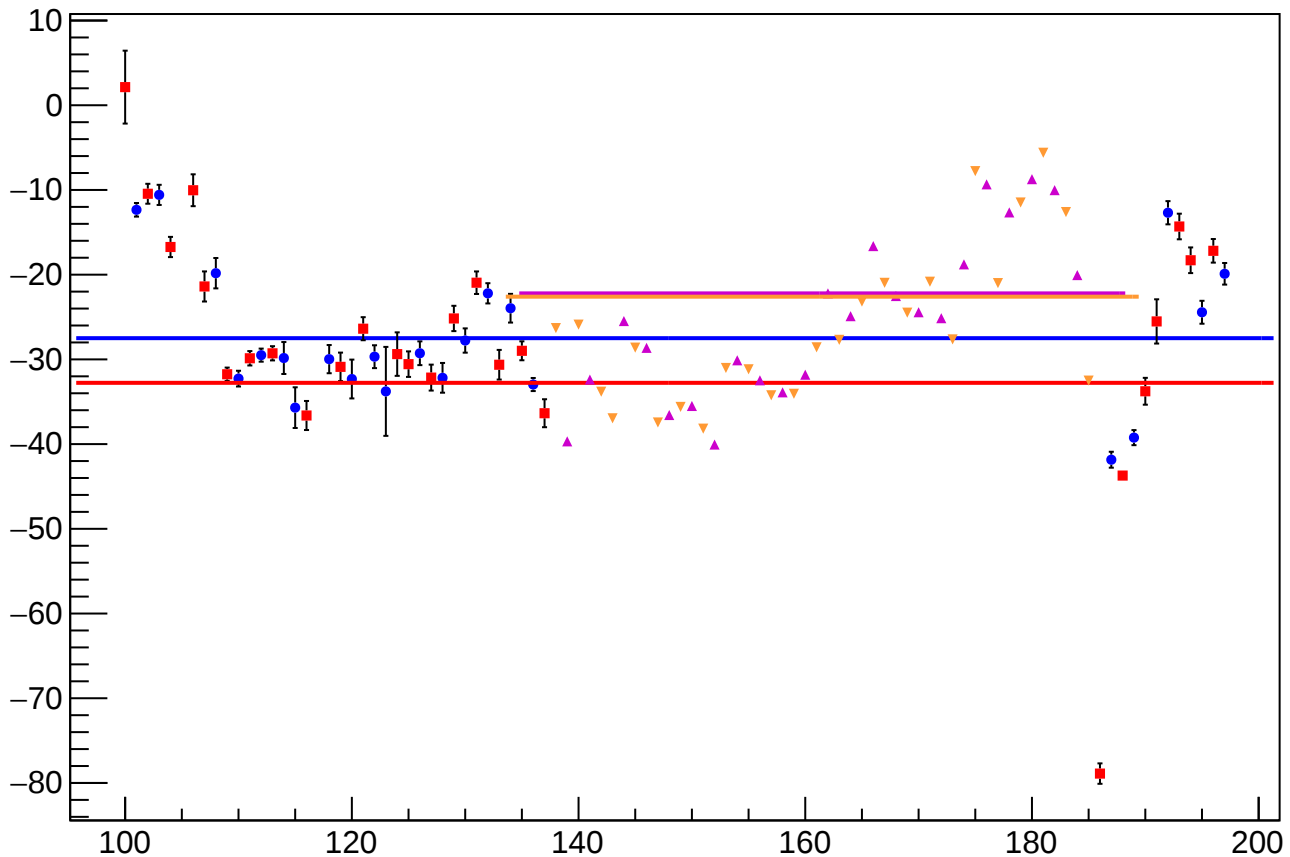
Left In: 3.757 ± 0.057 χ^2/NDF : 5629.4/22

+ sign 3.500 ± 0.053 χ^2/NDF : 8307.6/46

All: 3.473 ± 0.038 χ^2/NDF : 15016.1/95

- sign 3.445 ± 0.054 χ^2/NDF : 6708.0/48

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -27.495 ± 0.257 χ^2/NDF : 1281.7/21

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -32.767 ± 0.228 χ^2/NDF : 3455.2/25

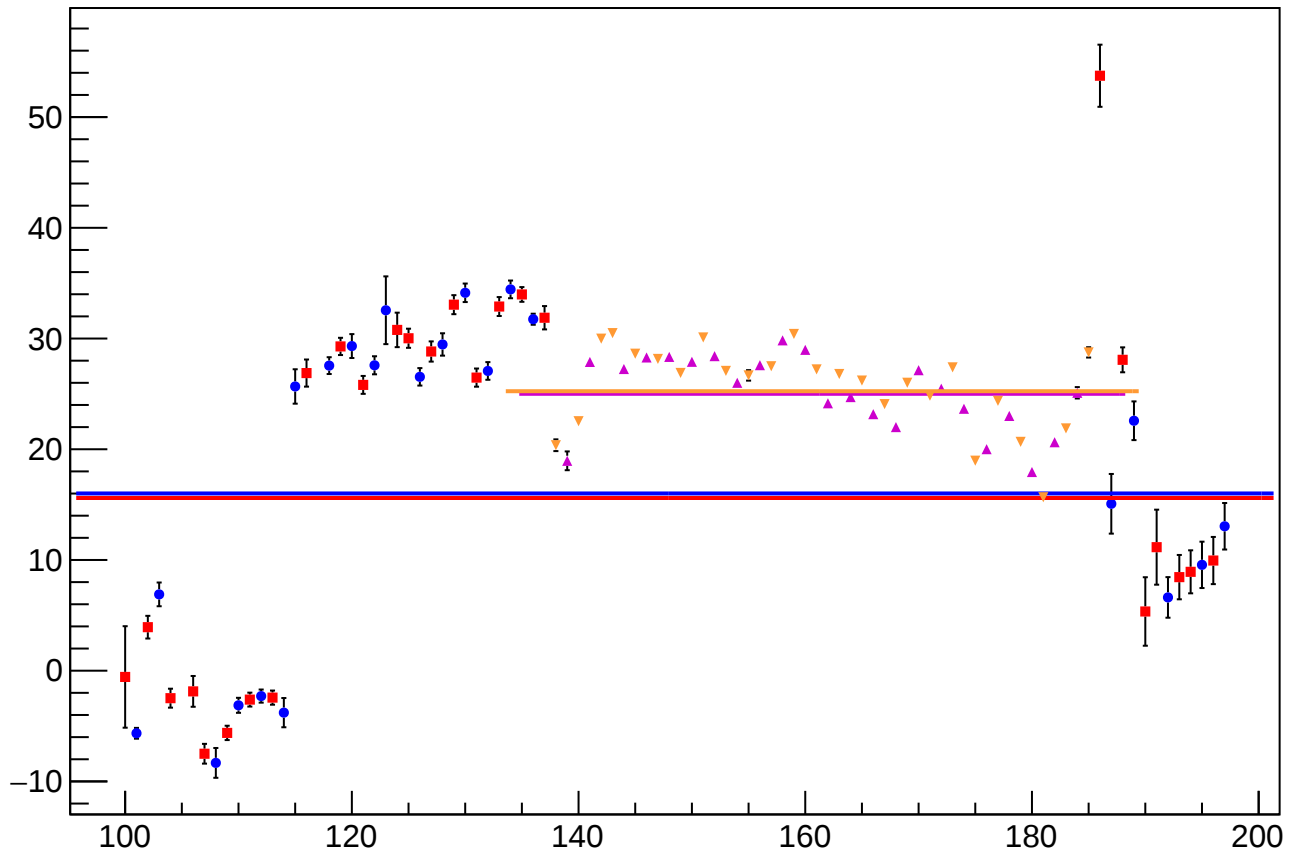
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -22.942 ± 0.068 χ^2/NDF : 21552.4/46

All: -23.048 ± 0.048 χ^2/NDF : 44588.5/95

- sign -23.155 ± 0.068 χ^2/NDF : 23031.1/48

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.007 $\pm$ 0.188 χ^2 /NDF: 7594.4/21

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.597 $\pm$ 0.191 χ^2 /NDF: 7616.2/25

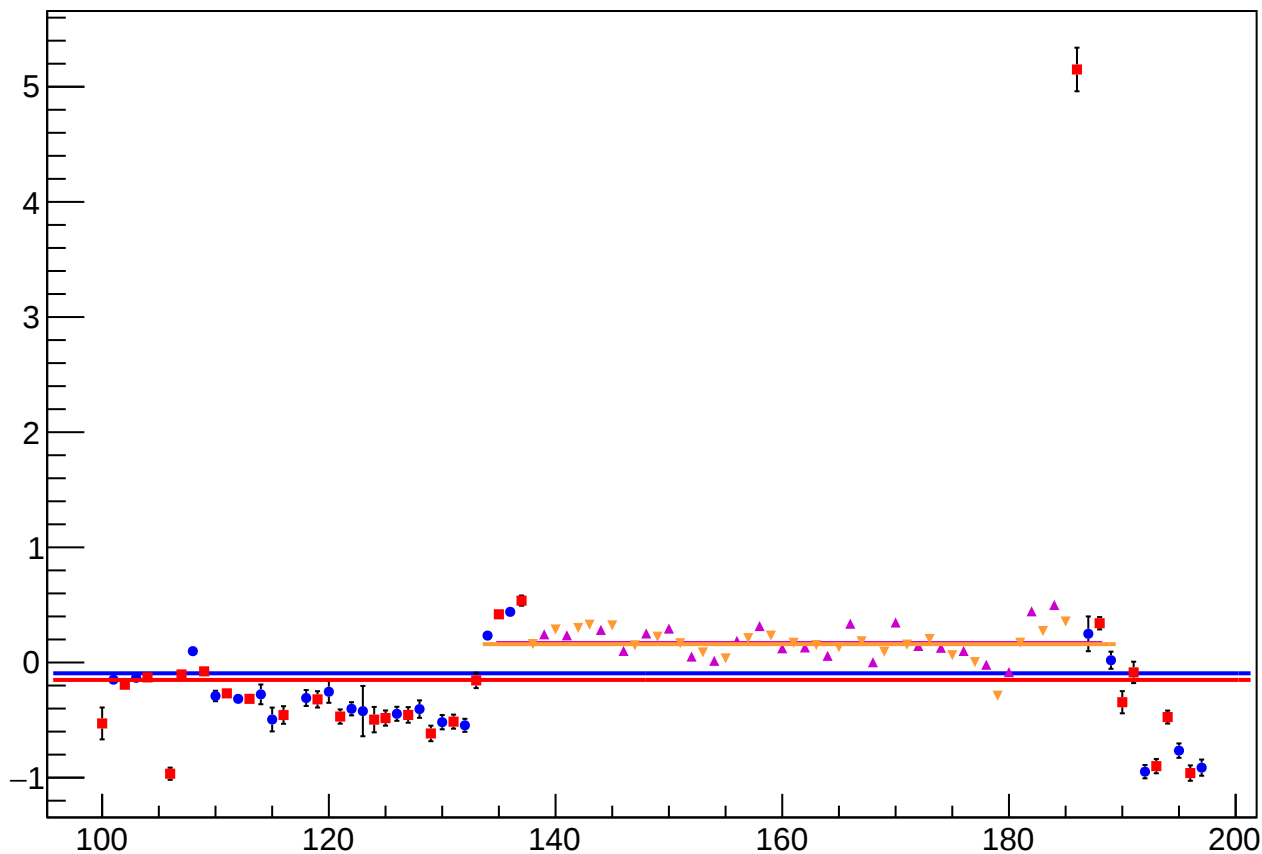
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.321 $\pm$ 0.059 χ^2 /NDF: 13548.4/46

All: 24.193 $\pm$ 0.042 χ^2 /NDF: 26087.6/95

- sign 24.060 $\pm$ 0.061 χ^2 /NDF: 12529.7/48

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.094 ± 0.010 χ^2/NDF : 1520.3/21

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.151 ± 0.010 χ^2/NDF : 2359.4/25

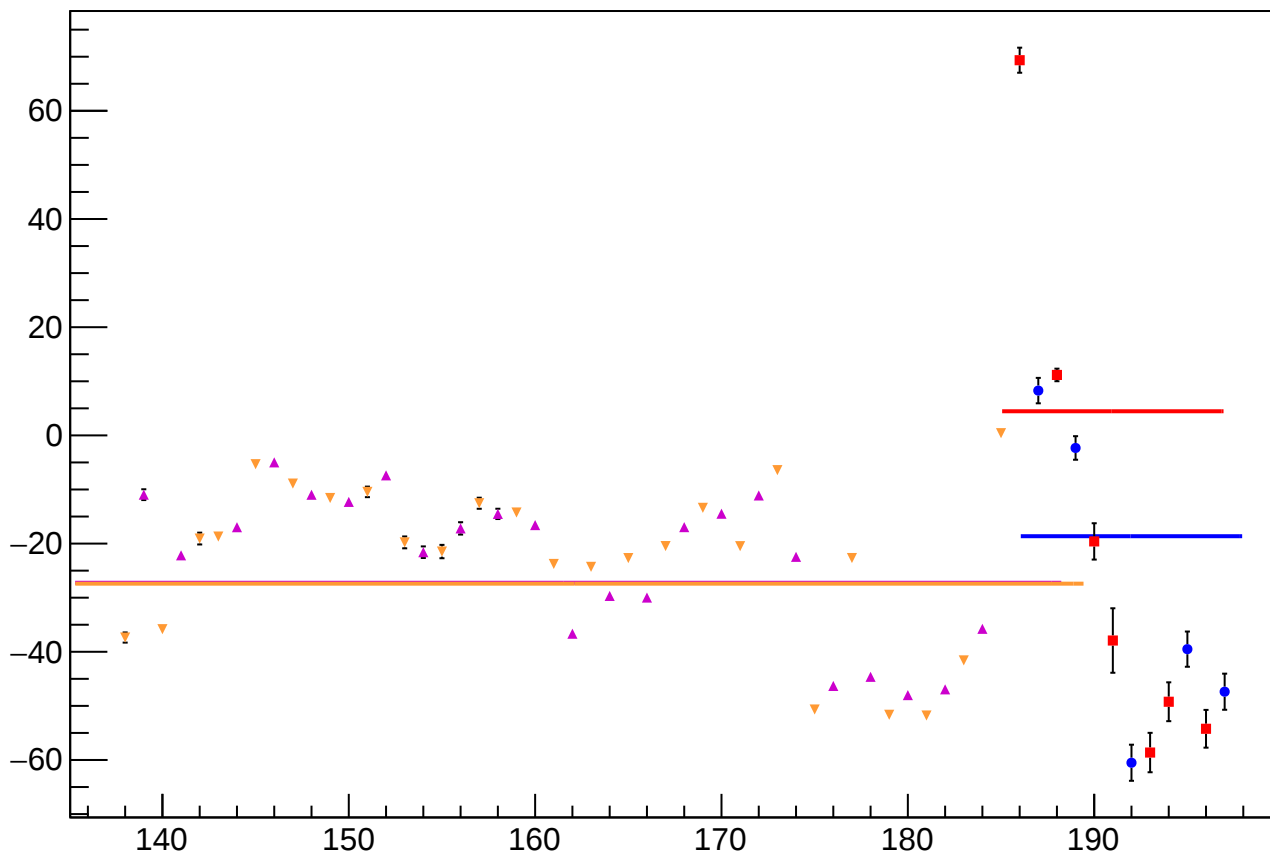
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.140 ± 0.003 χ^2/NDF : 3994.5/46

All: 0.141 ± 0.002 χ^2/NDF : 9776.7/95

- sign 0.142 ± 0.003 χ^2/NDF : 5781.7/48

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -18.636 ± 1.226 $\chi^2/\text{NDF}: 460.0/4$

Left Out: -27.408 ± 0.137 $\chi^2/\text{NDF}: 14850.5/24$

Right Out: 4.461 ± 0.884 $\chi^2/\text{NDF}: 1725.8/6$

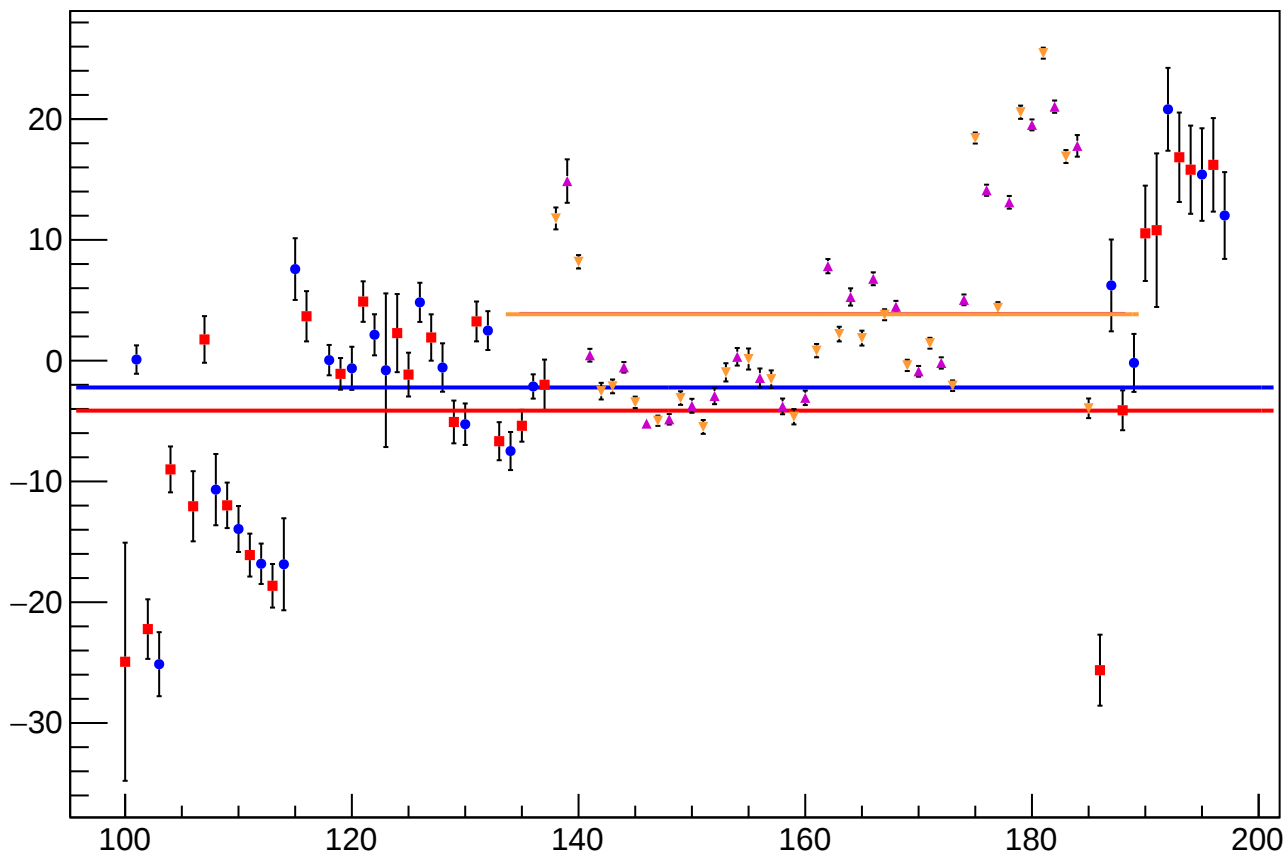
Left In: -27.243 ± 0.139 $\chi^2/\text{NDF}: 11305.2/22$

+ sign -27.300 ± 0.136 $\chi^2/\text{NDF}: 15361.1/29$

All: -26.892 ± 0.097 $\chi^2/\text{NDF}: 29665.5/59$

- sign -26.474 ± 0.138 $\chi^2/\text{NDF}: 14286.2/29$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.220 ± 0.396 χ^2/NDF : 371.0/21

Left Out: 3.841 ± 0.109 χ^2/NDF : 6939.2/24

Right Out: -4.138 ± 0.399 χ^2/NDF : 461.0/25

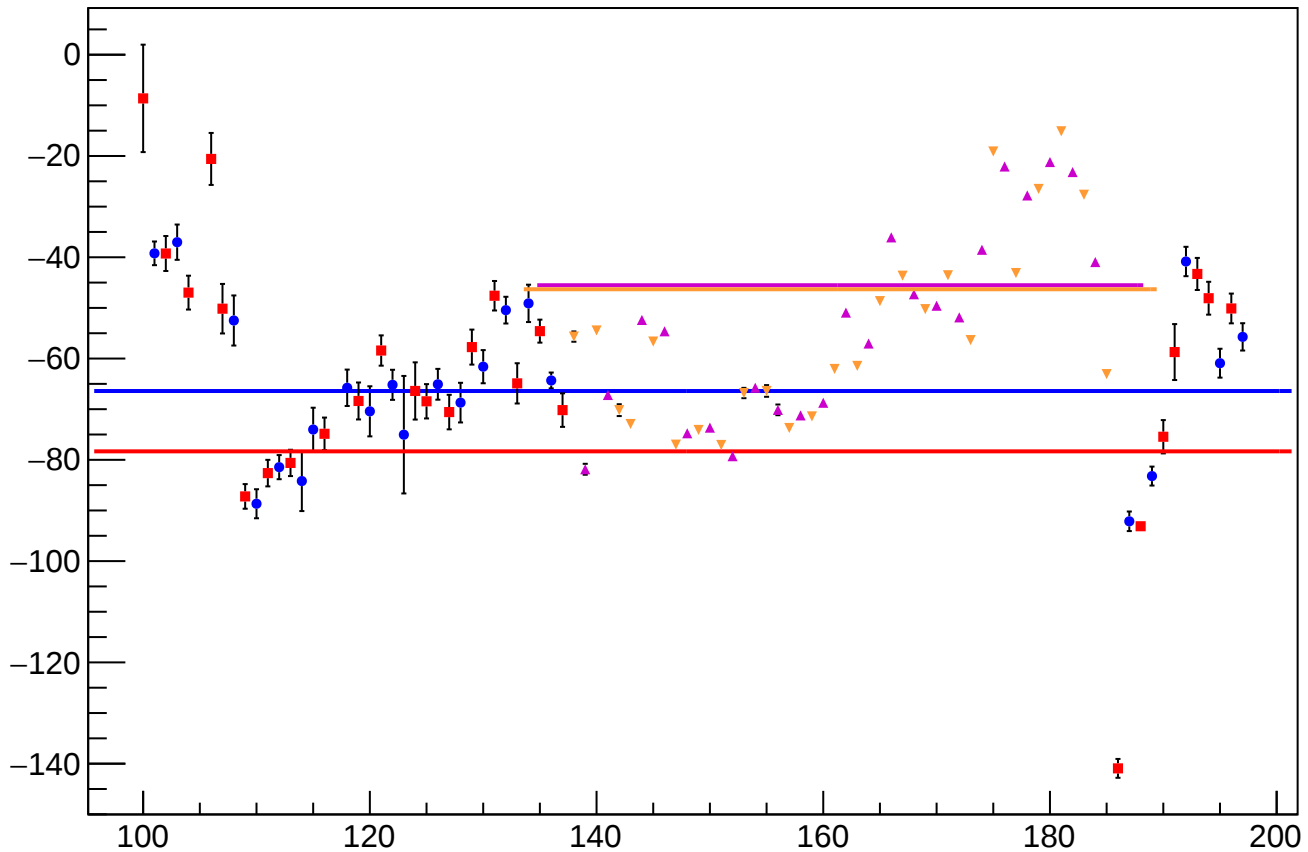
Left In: 3.866 ± 0.111 χ^2/NDF : 5424.0/22

+ sign 3.413 ± 0.105 χ^2/NDF : 7527.9/46

All: 3.353 ± 0.075 χ^2/NDF : 13786.2/95

- sign 3.290 ± 0.107 χ^2/NDF : 6257.6/48

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -66.411 ± 0.603 χ^2/NDF : 746.1/21

Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24

Right Out: -78.325 ± 0.525 χ^2/NDF : 2473.7/25

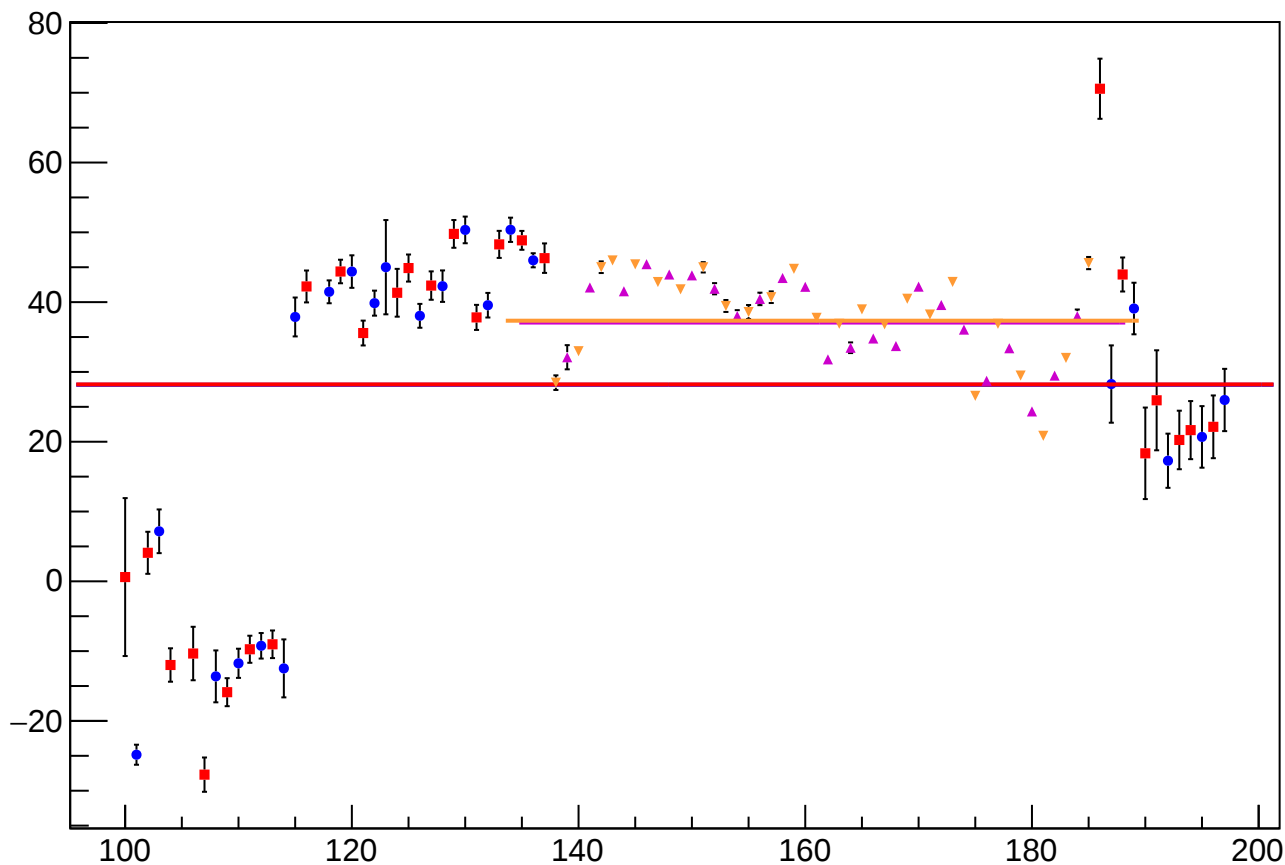
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -47.317 ± 0.134 χ^2/NDF : 21935.9/46

All: -47.503 ± 0.095 χ^2/NDF : 45583.4/95

- sign -47.691 ± 0.135 χ^2/NDF : 23643.6/48

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.159 $\pm$ 0.448 χ^2 /NDF: 3330.6/21

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF: 3149.1/24

Right Out: 28.211 $\pm$ 0.458 χ^2 /NDF: 3183.1/25

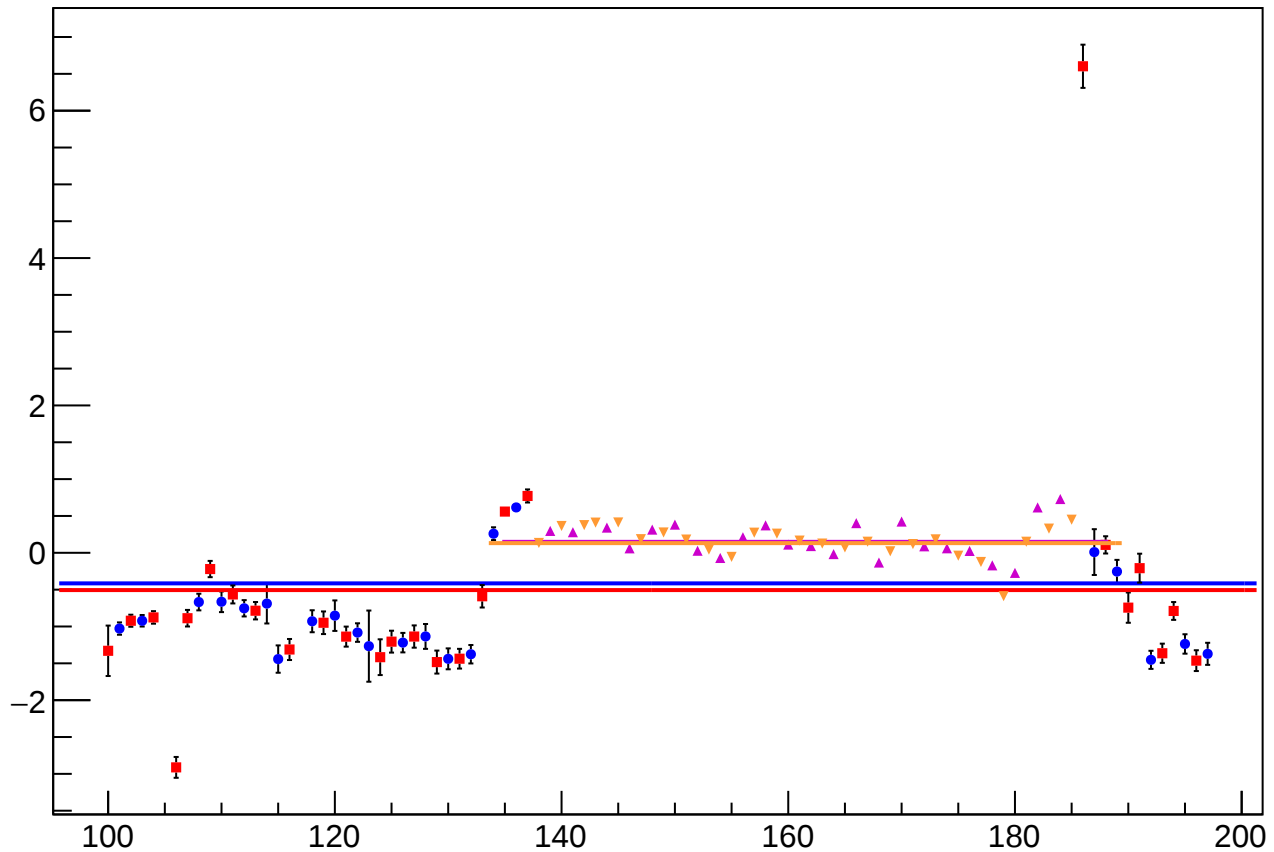
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF: 2397.3/22

+ sign 36.698 $\pm$ 0.118 χ^2 /NDF: 6870.3/46

All: 36.579 $\pm$ 0.085 χ^2 /NDF: 12801.7/95

- sign 36.457 $\pm$ 0.121 χ^2 /NDF: 5929.4/48

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.415 ± 0.023 χ^2/NDF : 1177.9/21

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.506 ± 0.023 χ^2/NDF : 1873.1/25

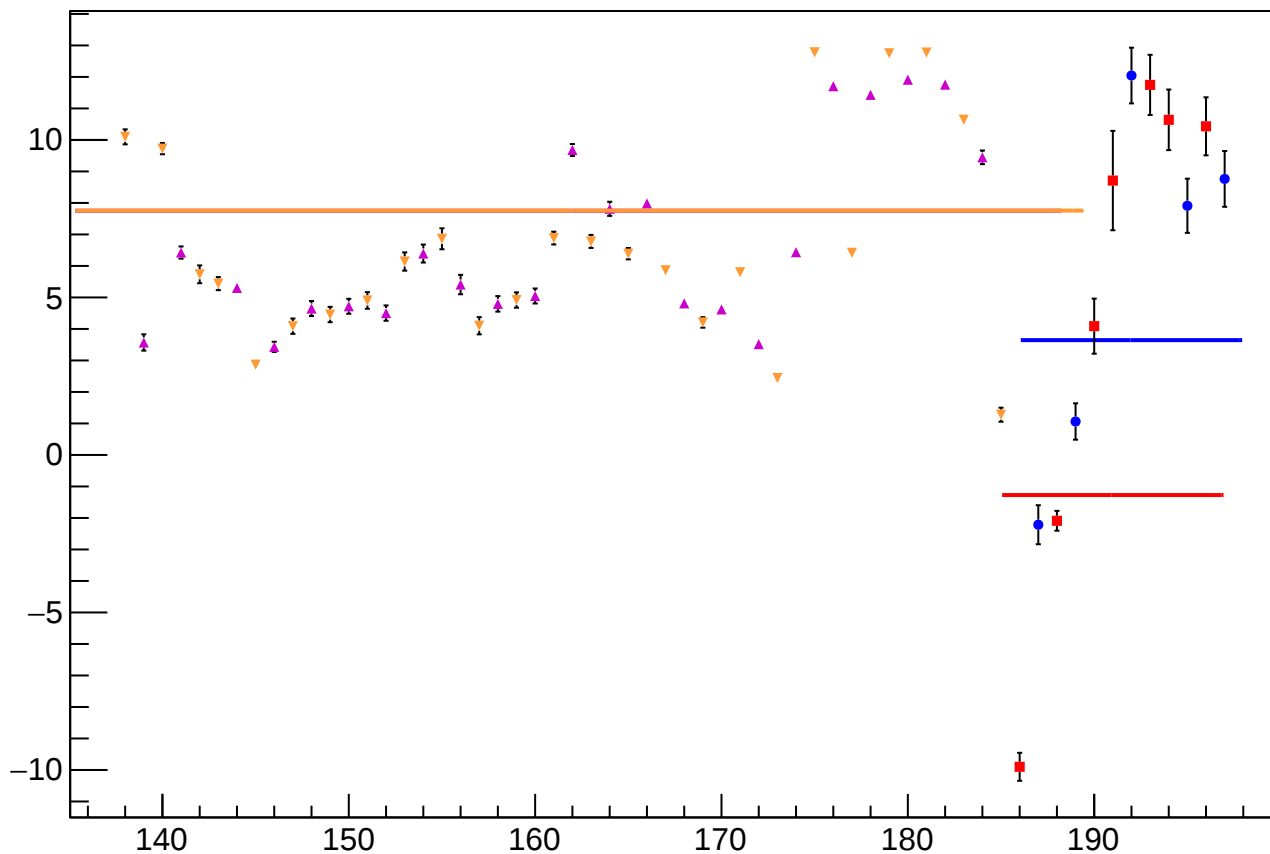
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.101 ± 0.005 χ^2/NDF : 3117.9/46

All: 0.107 ± 0.004 χ^2/NDF : 7530.7/95

- sign 0.112 ± 0.006 χ^2/NDF : 4411.1/48

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 3.645 ± 0.324 $\chi^2/\text{NDF}: 258.0/4$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: -1.272 ± 0.222 $\chi^2/\text{NDF}: 962.1/6$

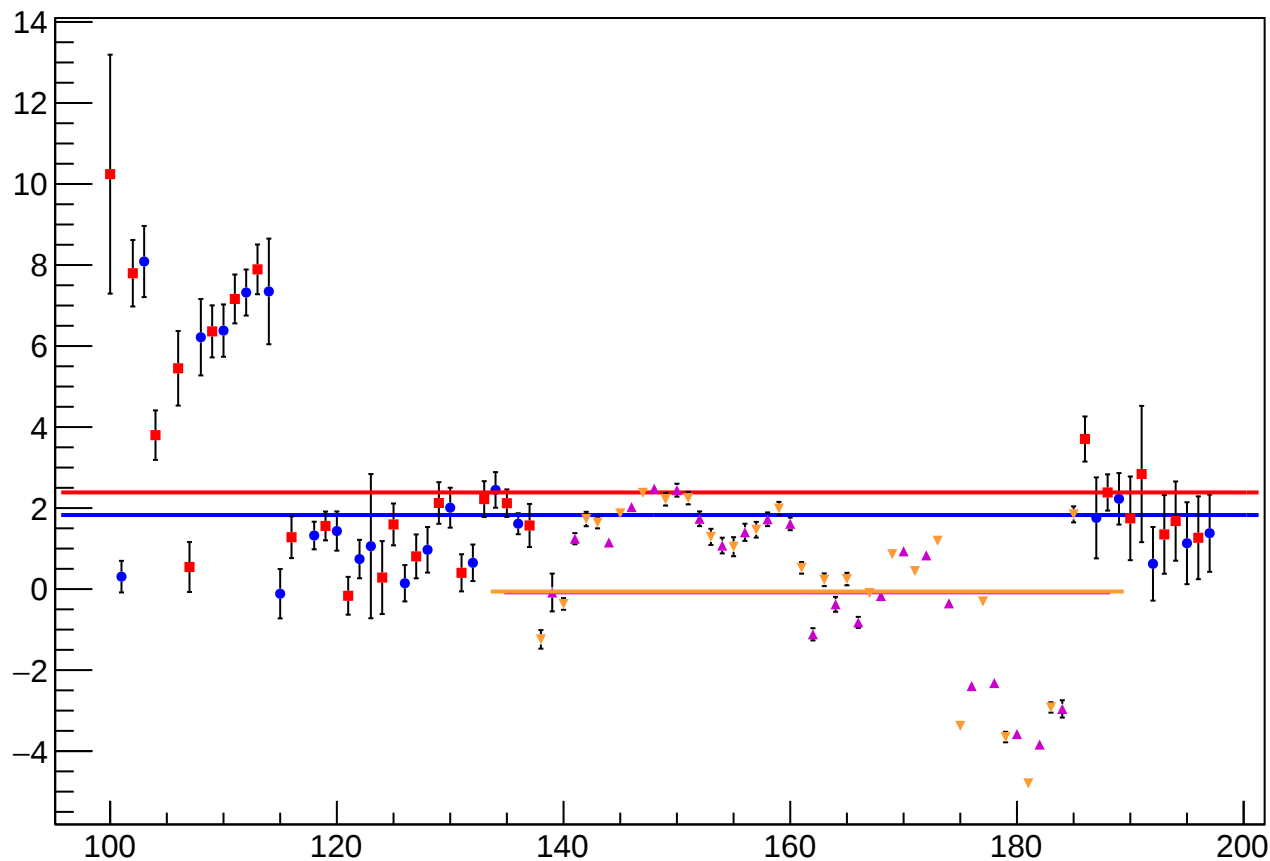
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.712 ± 0.034 $\chi^2/\text{NDF}: 12145.9/29$

All: 7.624 ± 0.024 $\chi^2/\text{NDF}: 23074.9/59$

- sign 7.534 ± 0.035 $\chi^2/\text{NDF}: 10915.5/29$

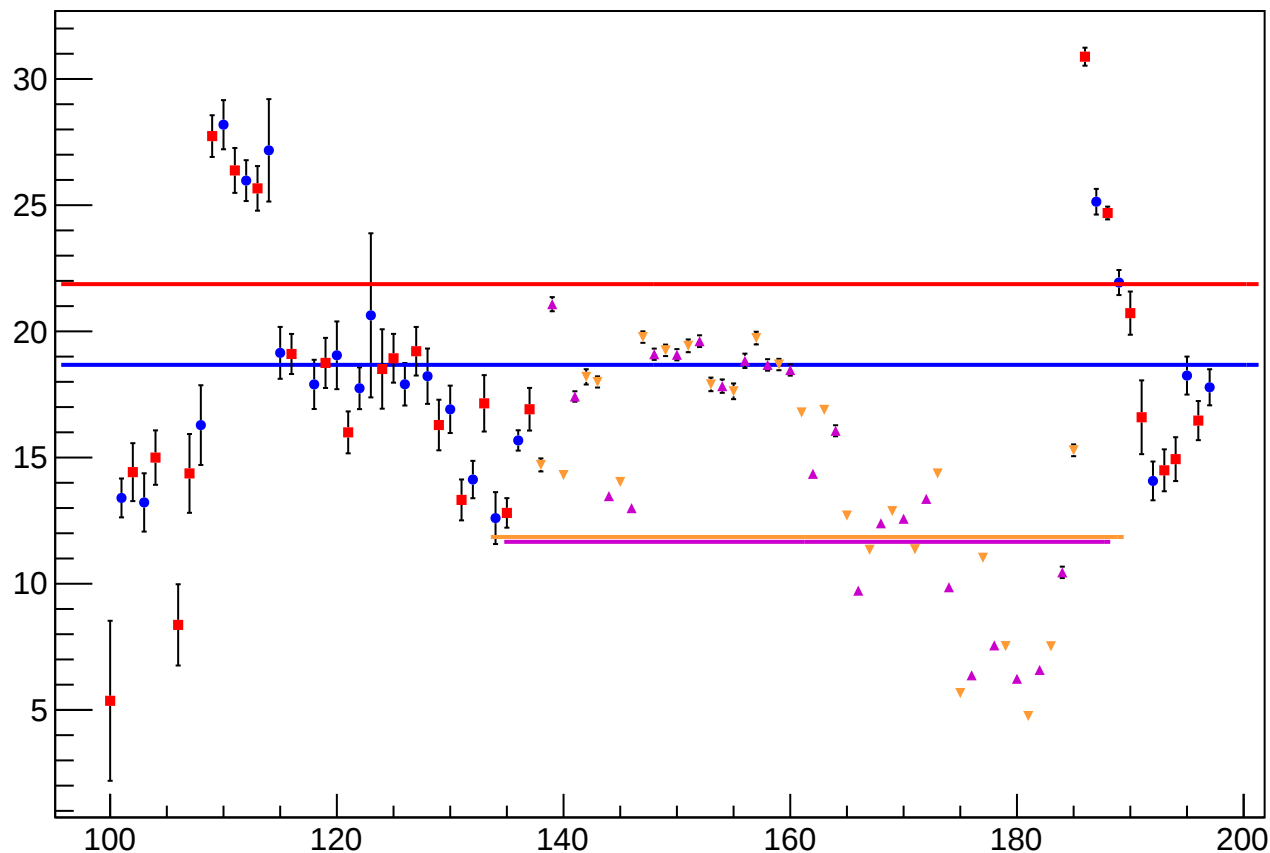
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.829 ± 0.112 χ^2/NDF : 296.1/21
 Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24
 Right Out: 2.386 ± 0.113 χ^2/NDF : 344.5/25
 Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.049 ± 0.027 χ^2/NDF : 6631.7/46
 All: 0.058 ± 0.019 χ^2/NDF : 12407.5/95
 - sign 0.066 ± 0.027 χ^2/NDF : 5775.6/48

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 18.673 $\pm$ 0.168 χ^2 /NDF: 643.0/21

Left Out: 11.853 $\pm$ 0.035 χ^2 /NDF:19149.4/24

Right Out: 21.871 $\pm$ 0.141 χ^2 /NDF: 1792.4/25

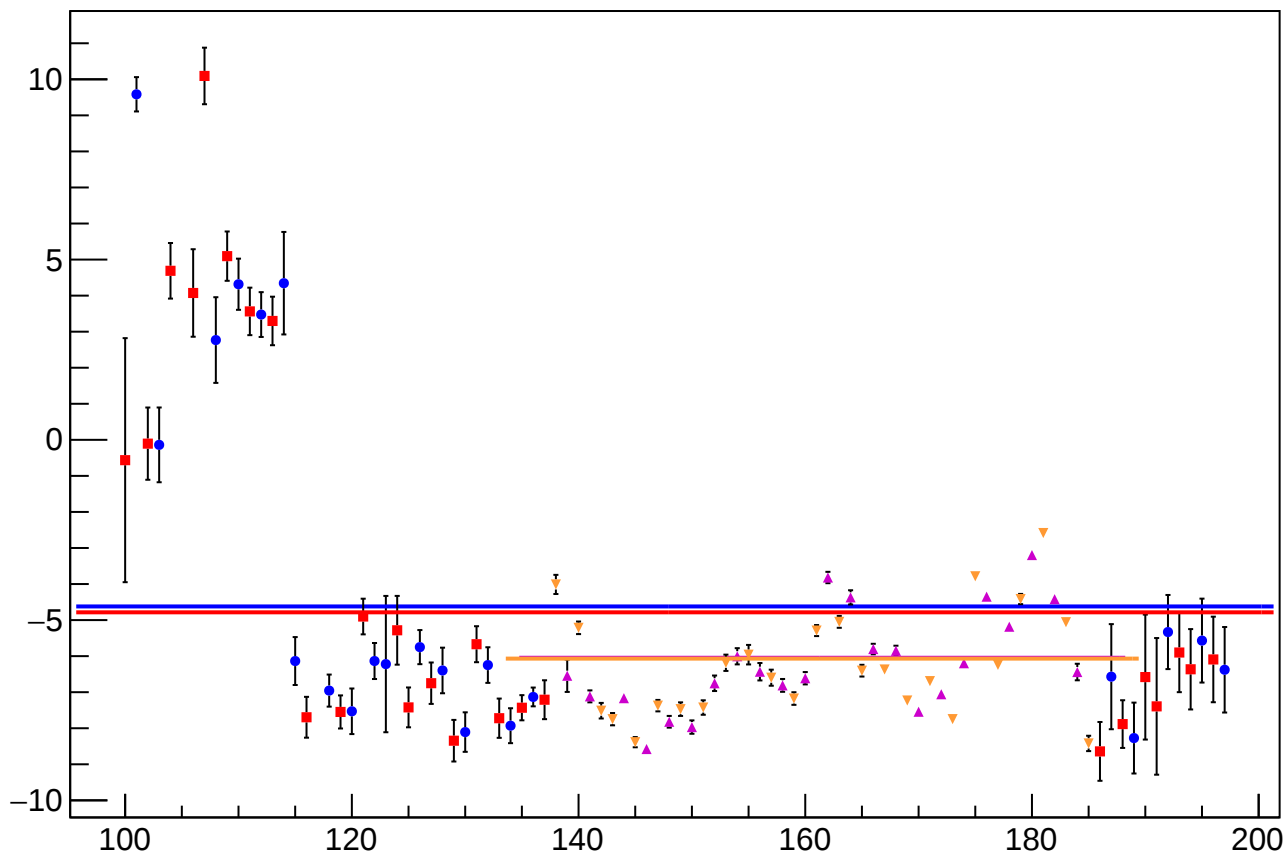
Left In: 11.660 $\pm$ 0.035 χ^2 /NDF:16710.2/22

+ sign 12.131 $\pm$ 0.034 χ^2 /NDF: 21372.3/46

All: 12.195 $\pm$ 0.024 χ^2 /NDF: 44828.5/95

- sign 12.260 $\pm$ 0.034 χ^2 /NDF: 23449.1/48

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.621 ± 0.126 χ^2/NDF : 1602.7/21

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.785 ± 0.129 χ^2/NDF : 1397.7/25

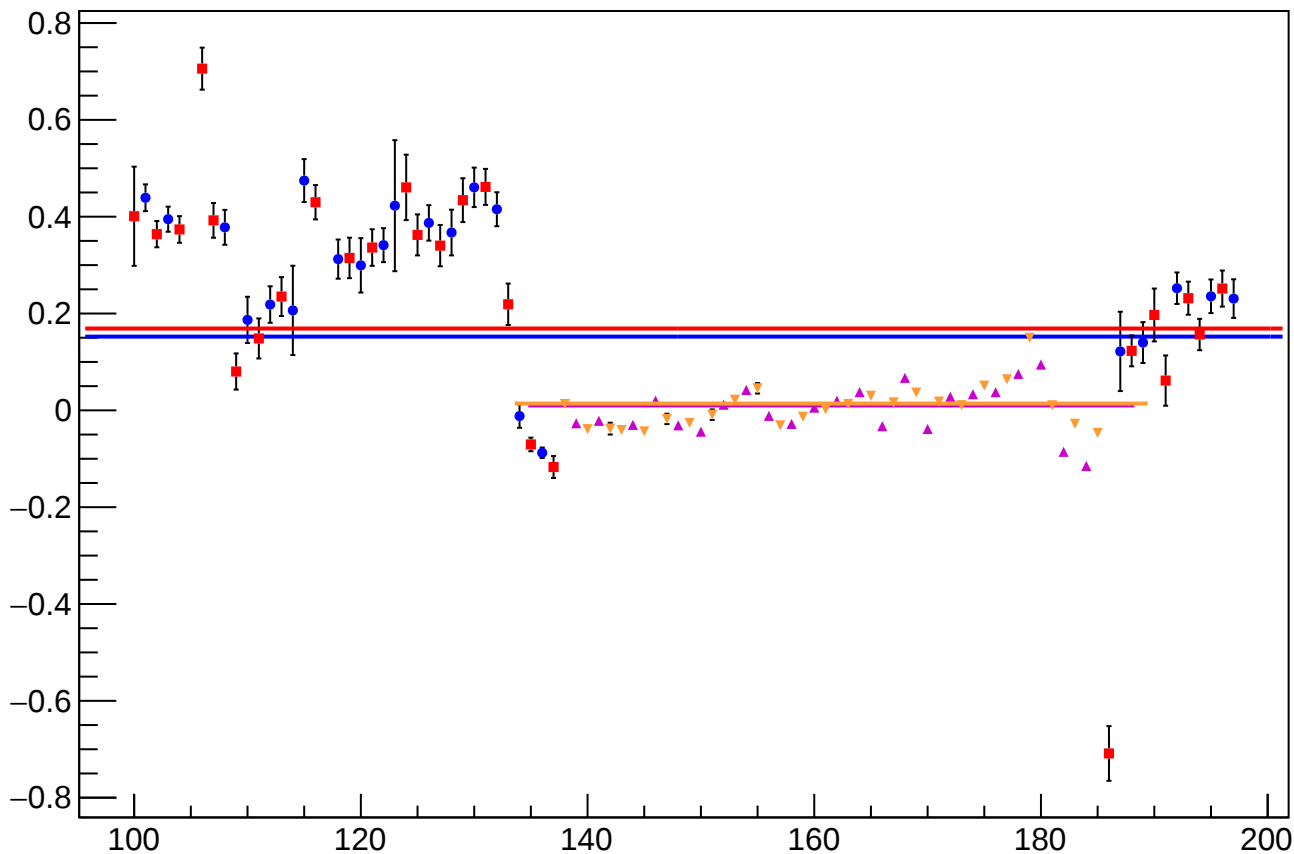
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.986 ± 0.030 χ^2/NDF : 4397.9/46

All: -5.980 ± 0.022 χ^2/NDF : 8179.0/95

- sign -5.973 ± 0.031 χ^2/NDF : 3781.1/48

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.007 χ^2/NDF : 1079.0/21

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.169 ± 0.007 χ^2/NDF : 1259.1/25

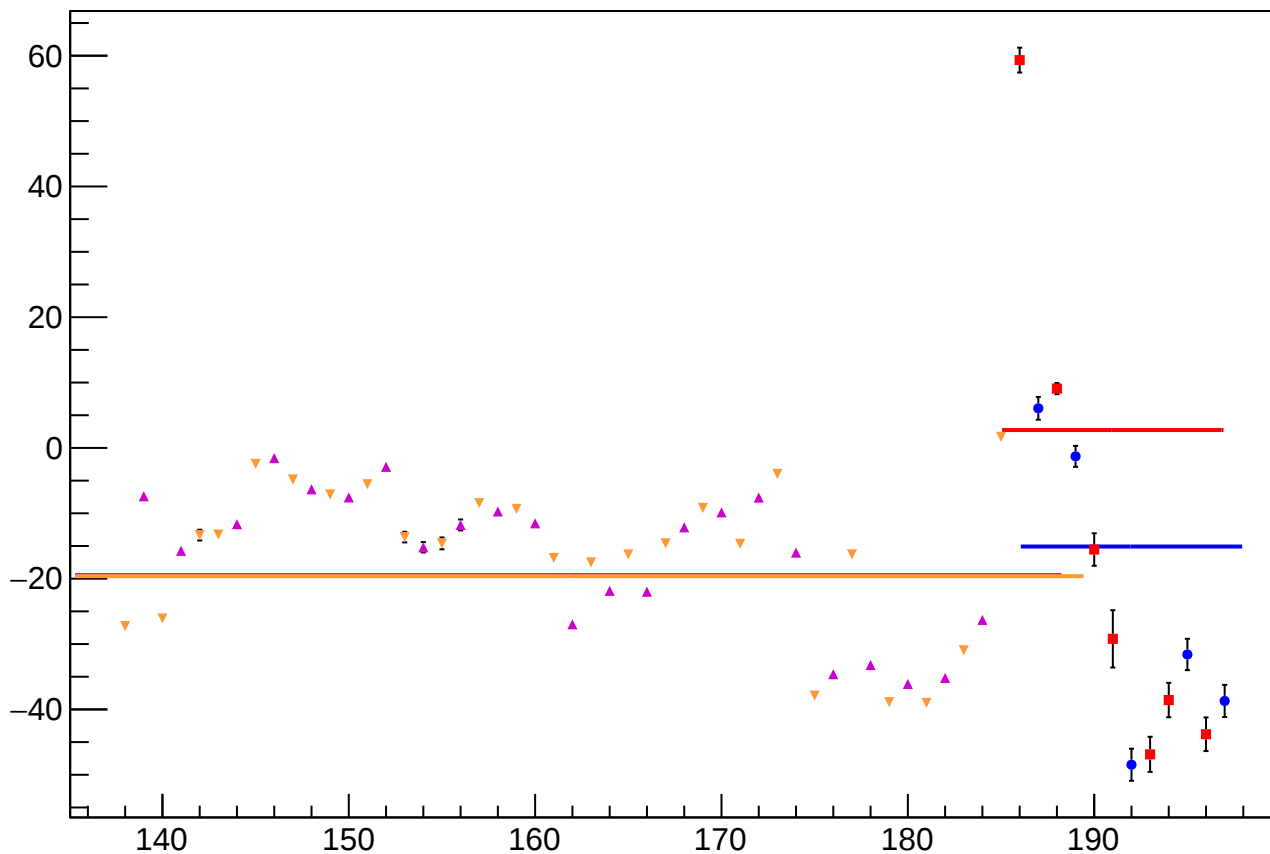
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.020 ± 0.001 χ^2/NDF : 2456.8/46

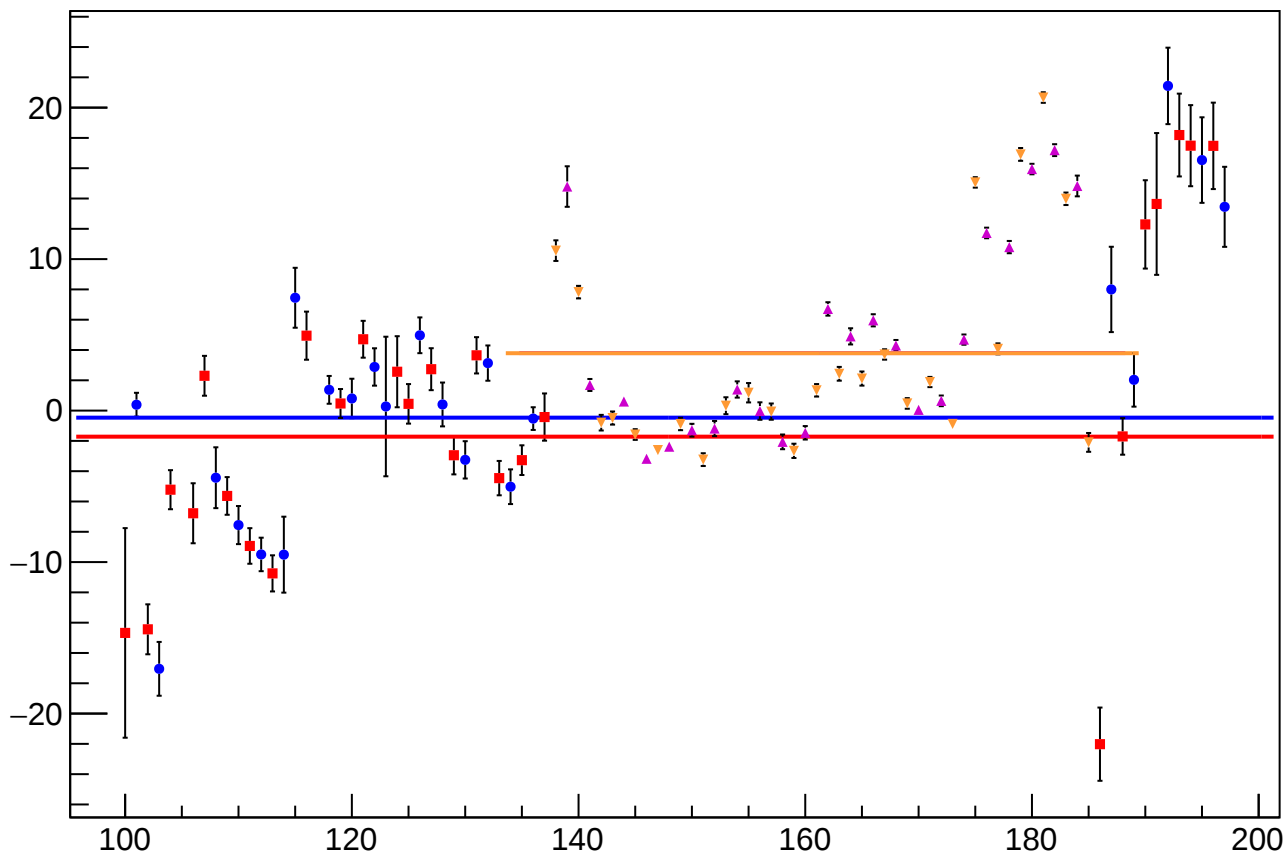
All: 0.019 ± 0.001 χ^2/NDF : 5481.8/95

- sign 0.017 ± 0.001 χ^2/NDF : 3022.8/48

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -0.466 ± 0.282 χ^2/NDF : 434.5/21

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -1.721 ± 0.285 χ^2/NDF : 542.7/25

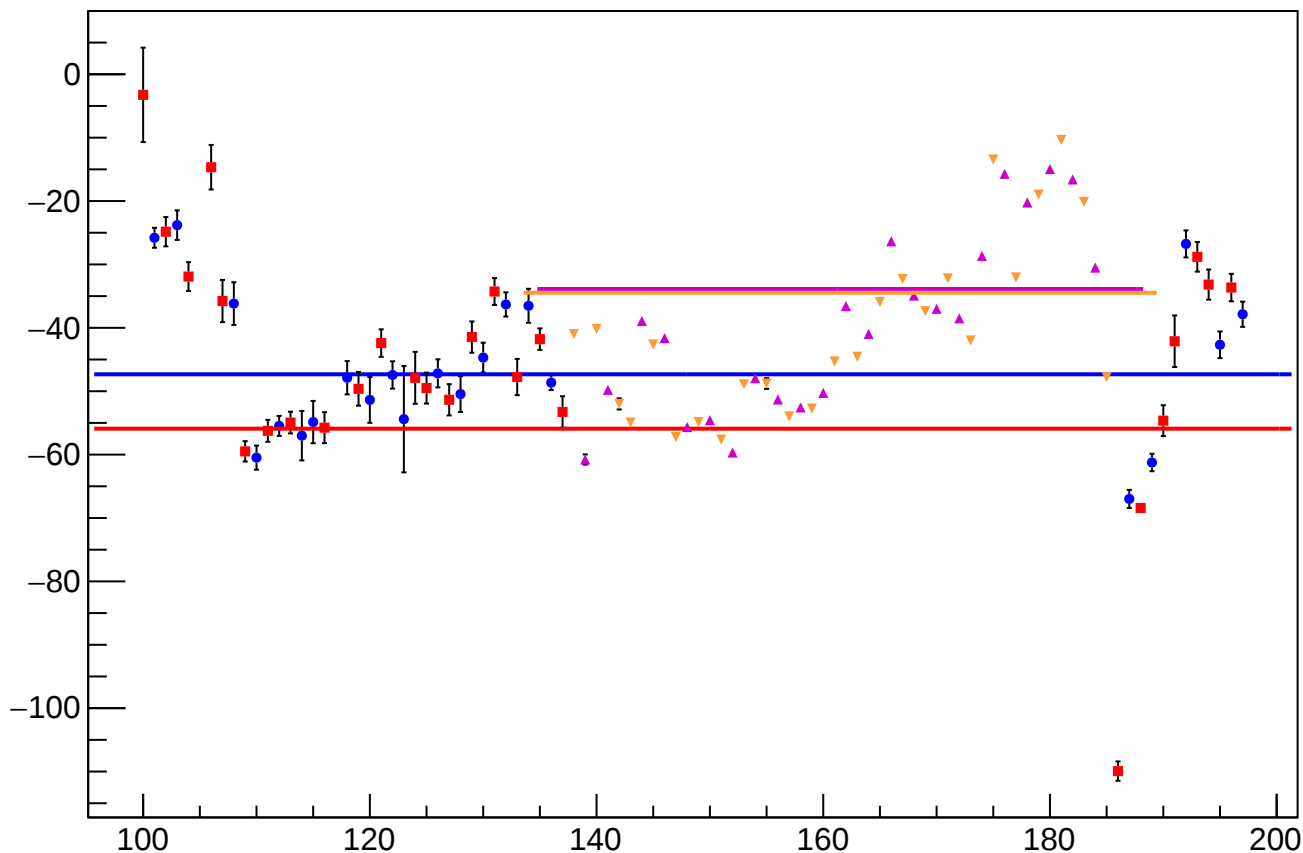
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.457 ± 0.079 χ^2/NDF : 7794.1/46

All: 3.410 ± 0.056 χ^2/NDF : 14200.2/95

- sign 3.361 ± 0.080 χ^2/NDF : 6405.4/48

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -47.329 ± 0.433 $\chi^2/\text{NDF}: 853.5/21$

Left Out: -34.471 ± 0.104 $\chi^2/\text{NDF}: 20196.3/24$

Right Out: -55.908 ± 0.380 $\chi^2/\text{NDF}: 2727.0/25$

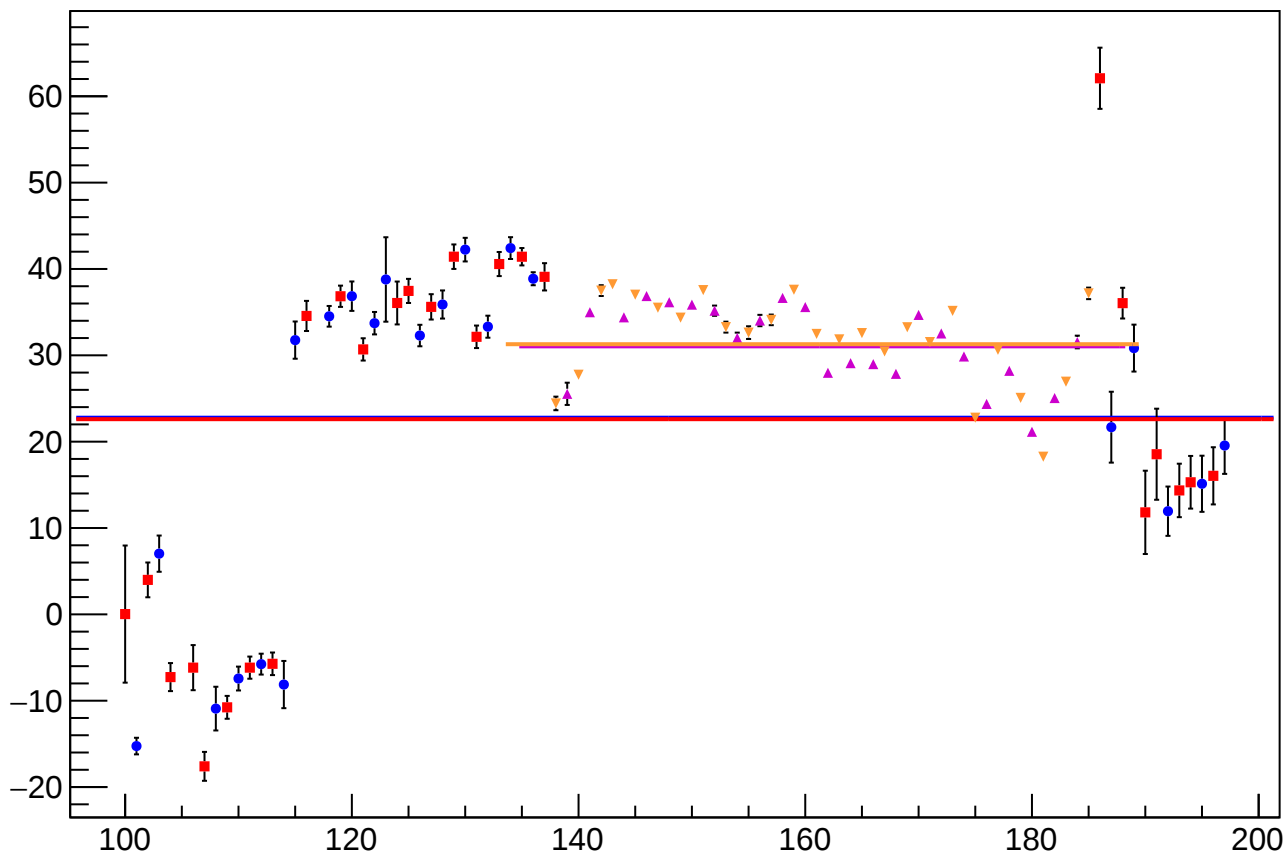
Left In: -33.875 ± 0.105 $\chi^2/\text{NDF}: 17638.7/22$

+ sign -35.172 ± 0.101 $\chi^2/\text{NDF}: 21884.5/46$

All: -35.309 ± 0.072 $\chi^2/\text{NDF}: 45379.5/95$

- sign -35.447 ± 0.101 $\chi^2/\text{NDF}: 23491.3/48$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.774 $\pm$ 0.320 χ^2 /NDF: 4347.1/21

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.604 $\pm$ 0.326 χ^2 /NDF: 4235.9/25

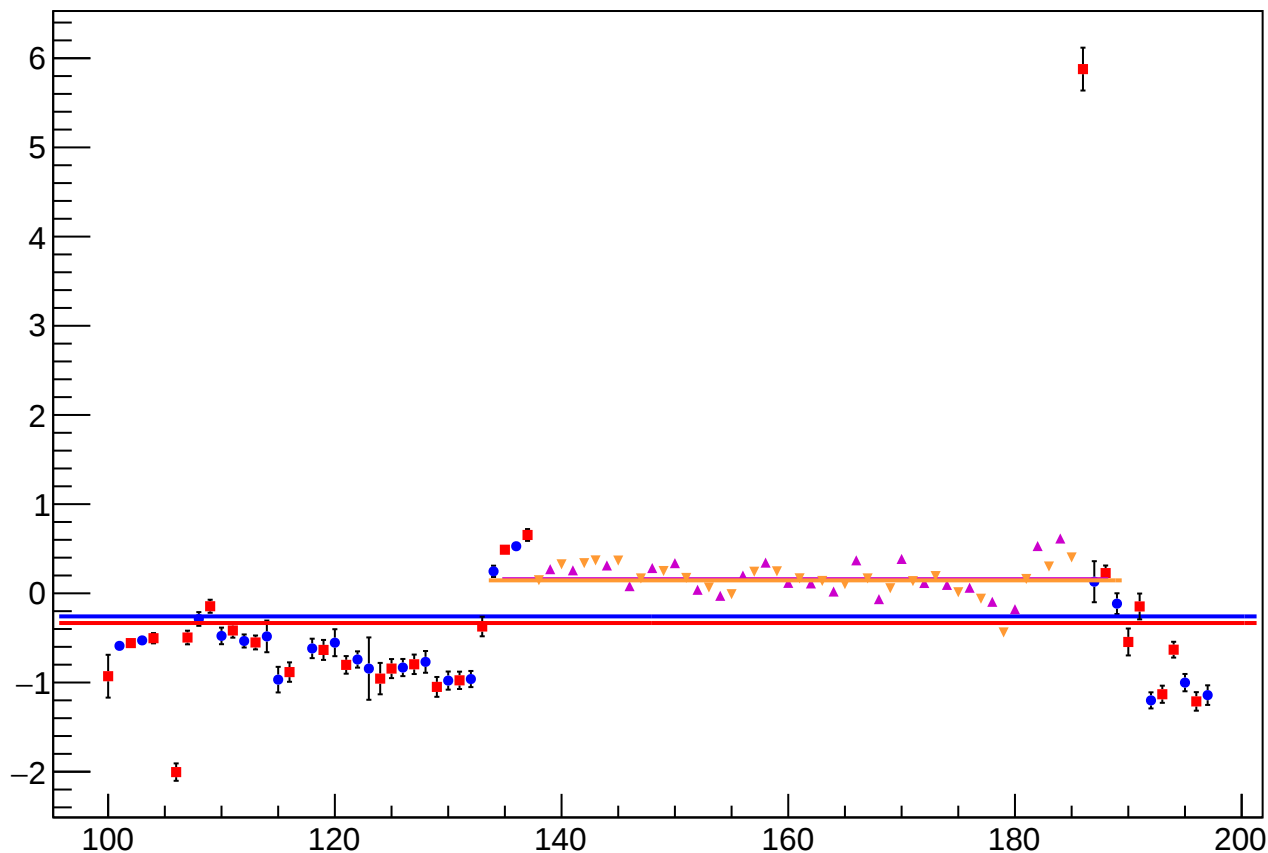
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.631 $\pm$ 0.089 χ^2 /NDF: 8345.9/46

All: 30.513 $\pm$ 0.063 χ^2 /NDF: 15682.8/95

- sign 30.390 $\pm$ 0.090 χ^2 /NDF: 7333.2/48

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.259 ± 0.017 χ^2/NDF : 1250.9/21

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.333 ± 0.017 χ^2/NDF : 2041.0/25

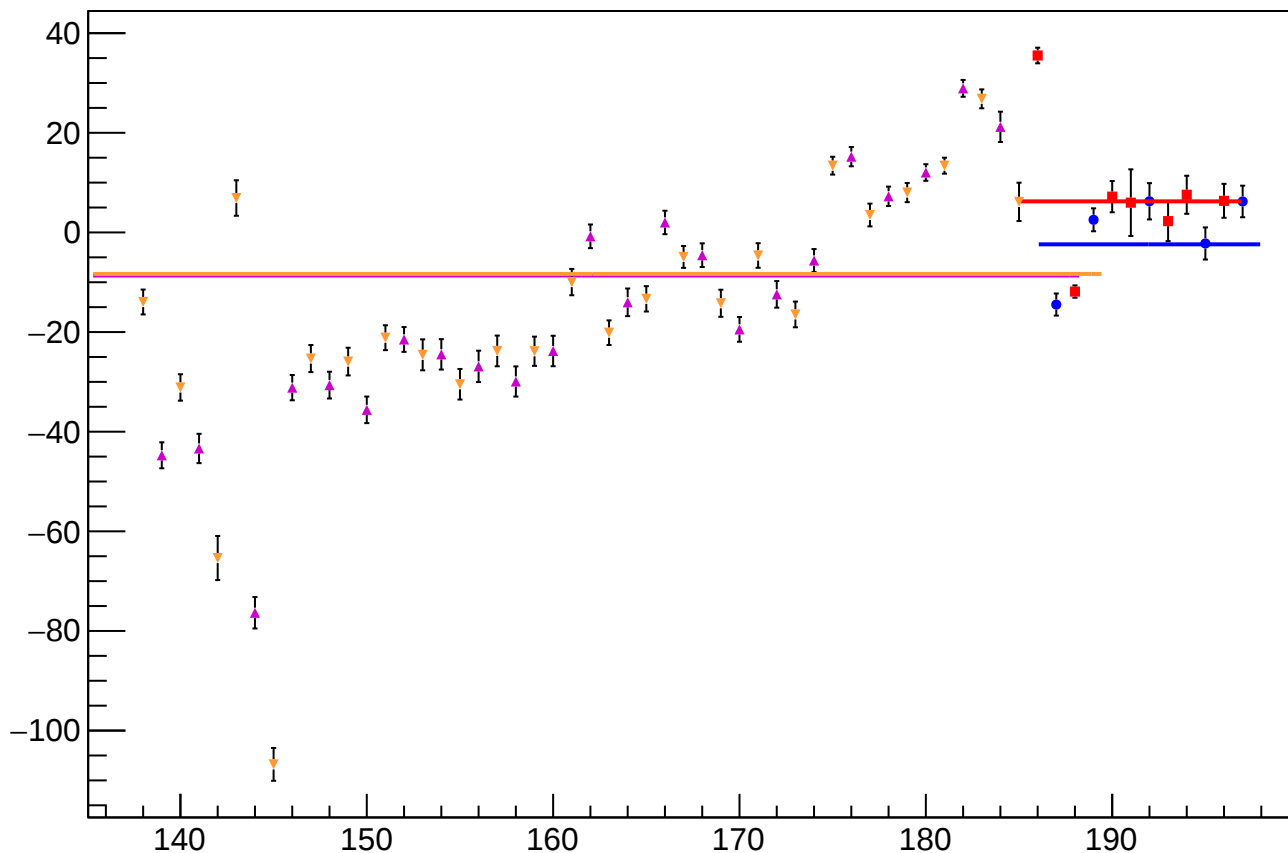
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.121 ± 0.004 χ^2/NDF : 3377.8/46

All: 0.125 ± 0.003 χ^2/NDF : 8243.6/95

- sign 0.128 ± 0.004 χ^2/NDF : 4864.4/48

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -2.388 ± 1.228 χ^2/NDF : 47.2/4

Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24

Right Out: 6.237 ± 0.846 χ^2/NDF : 562.1/6

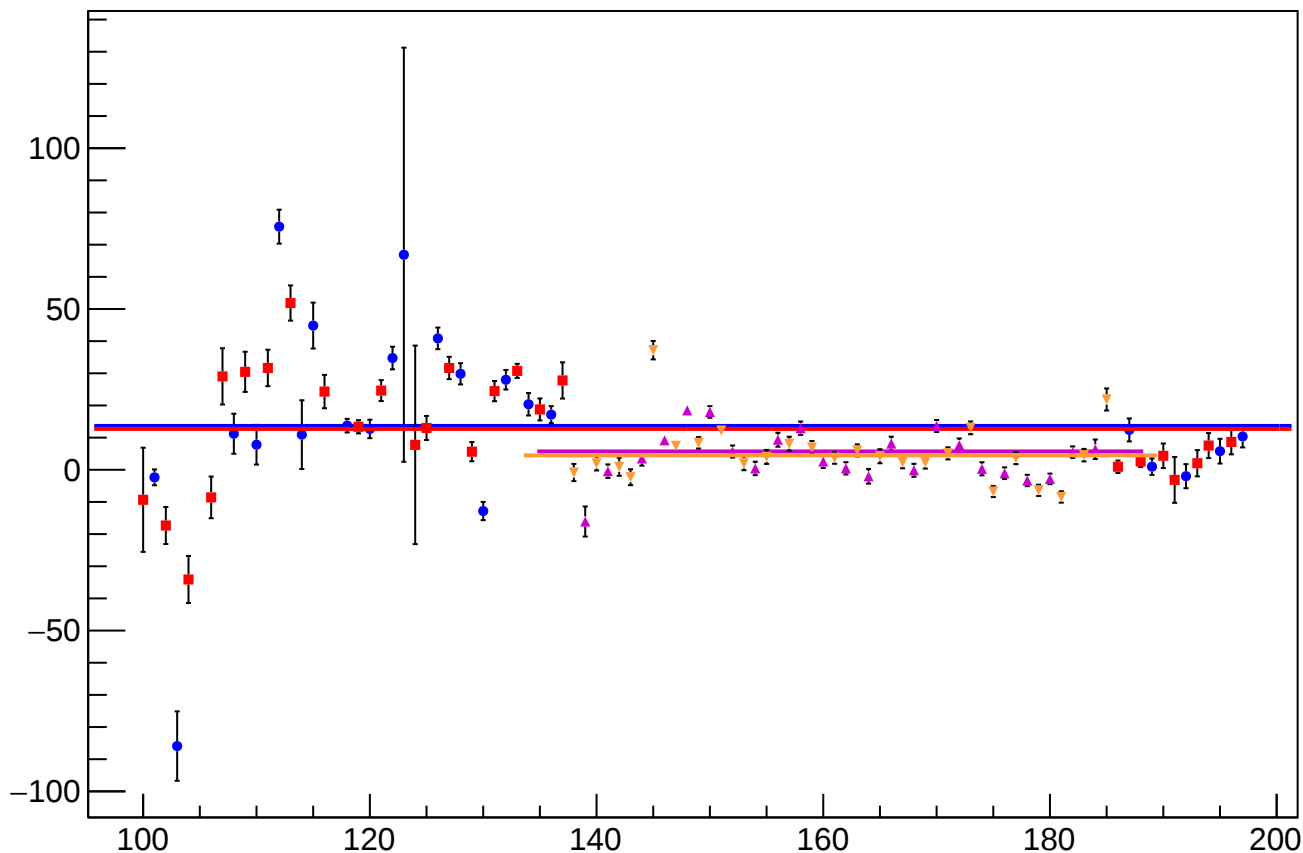
Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

+ sign -7.488 ± 0.463 χ^2/NDF : 2293.5/29

All: -6.016 ± 0.317 χ^2/NDF : 5326.4/59

- sign -4.715 ± 0.435 χ^2/NDF : 3013.8/29

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 13.635 ± 0.744 χ^2/NDF : 573.6/21

Left Out: 4.484 ± 0.392 χ^2/NDF : 371.9/24

Right Out: 12.710 ± 0.687 χ^2/NDF : 391.3/25

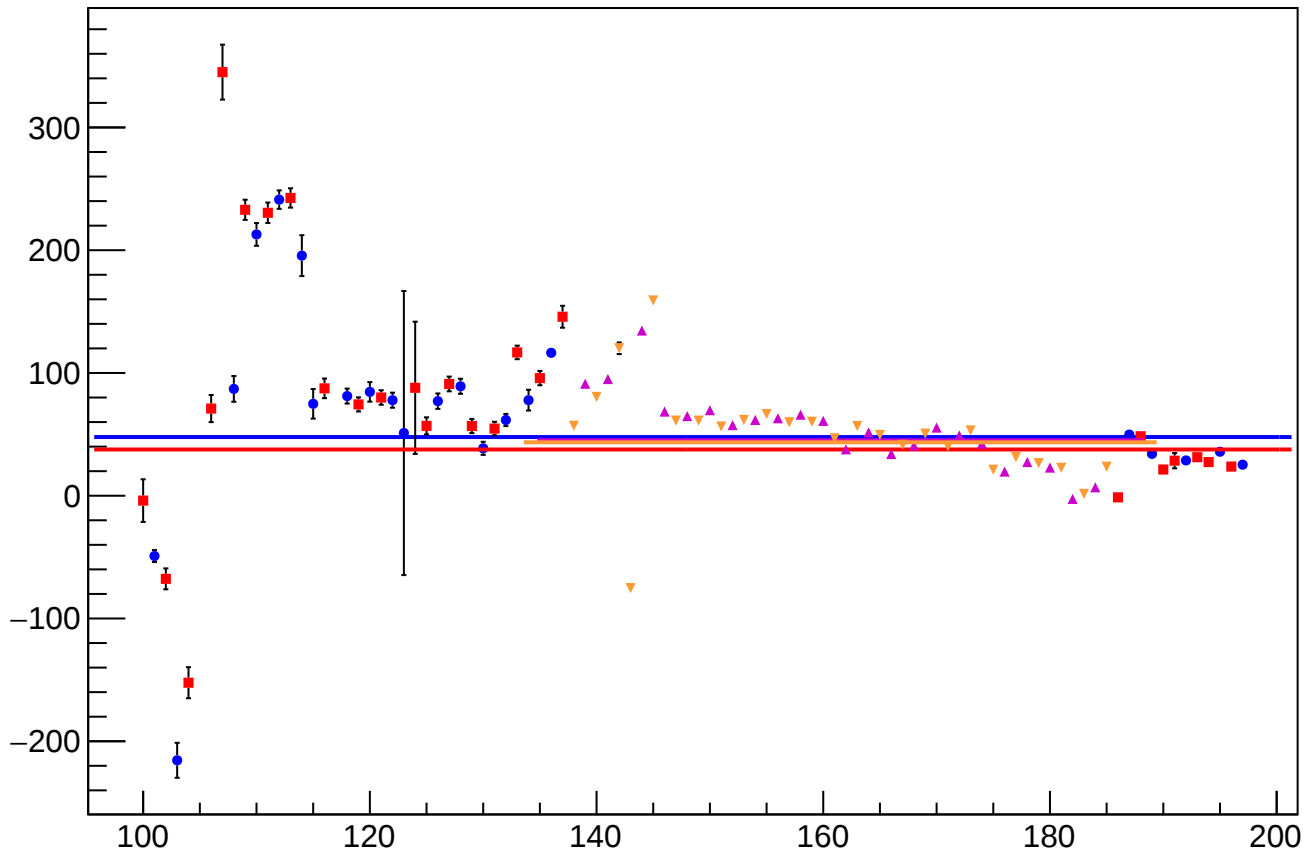
Left In: 5.705 ± 0.404 χ^2/NDF : 324.1/22

+ sign 6.475 ± 0.347 χ^2/NDF : 1063.9/46

All: 6.989 ± 0.246 χ^2/NDF : 1861.0/95

- sign 7.508 ± 0.348 χ^2/NDF : 792.7/48

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 47.793 $\pm$ 0.872 χ^2 /NDF: 2446.4/21

Left Out: 43.524 $\pm$ 0.498 χ^2 /NDF: 3830.7/24

Right Out: 37.670 $\pm$ 0.645 χ^2 /NDF: 4195.1/25

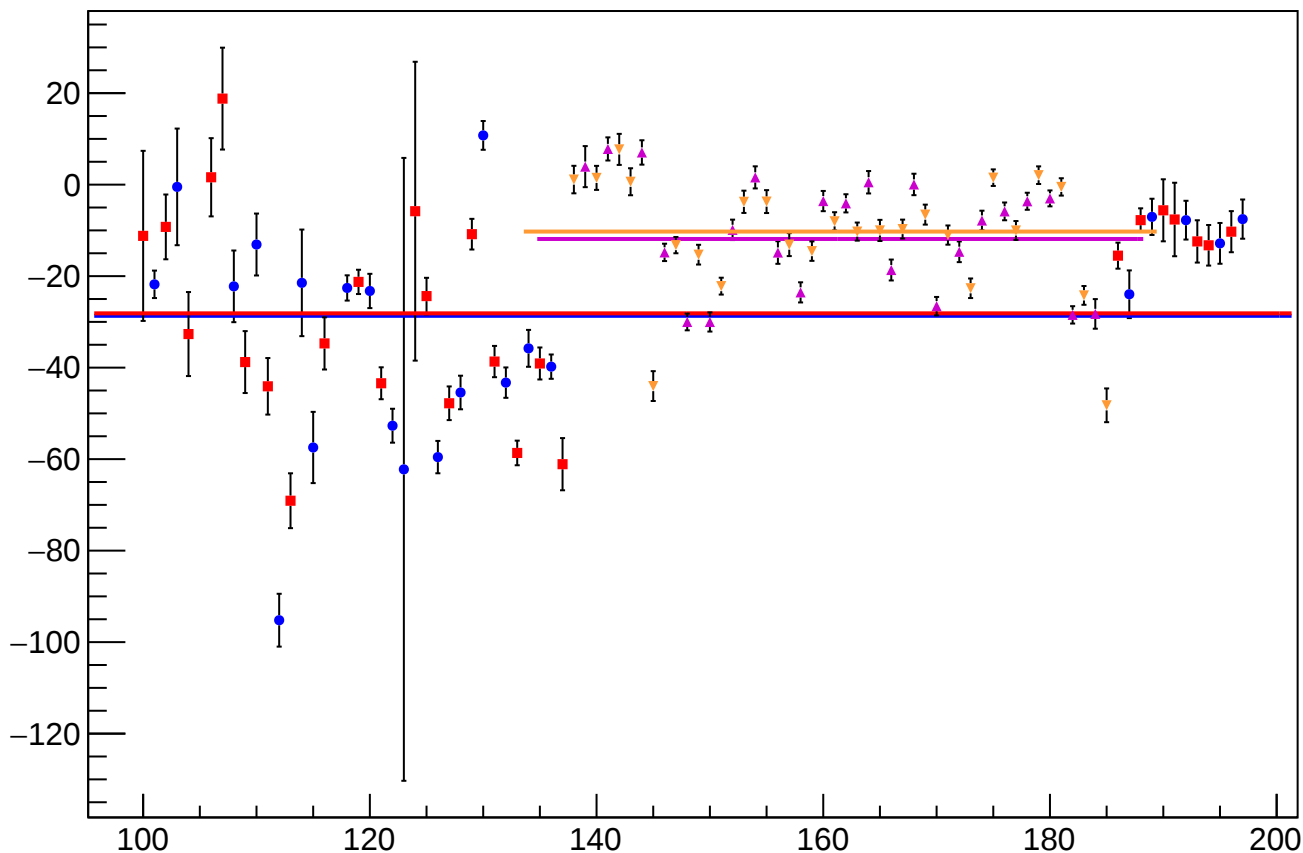
Left In: 45.211 $\pm$ 0.504 χ^2 /NDF: 3048.5/22

+ sign 44.576 $\pm$ 0.433 χ^2 /NDF: 6295.1/46

All: 43.370 $\pm$ 0.293 χ^2 /NDF: 13637.9/95

- sign 42.353 $\pm$ 0.397 χ^2 /NDF: 7328.4/48

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -28.669 ± 0.879 χ^2/NDF : 598.4/21

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -28.132 ± 0.843 χ^2/NDF : 497.1/25

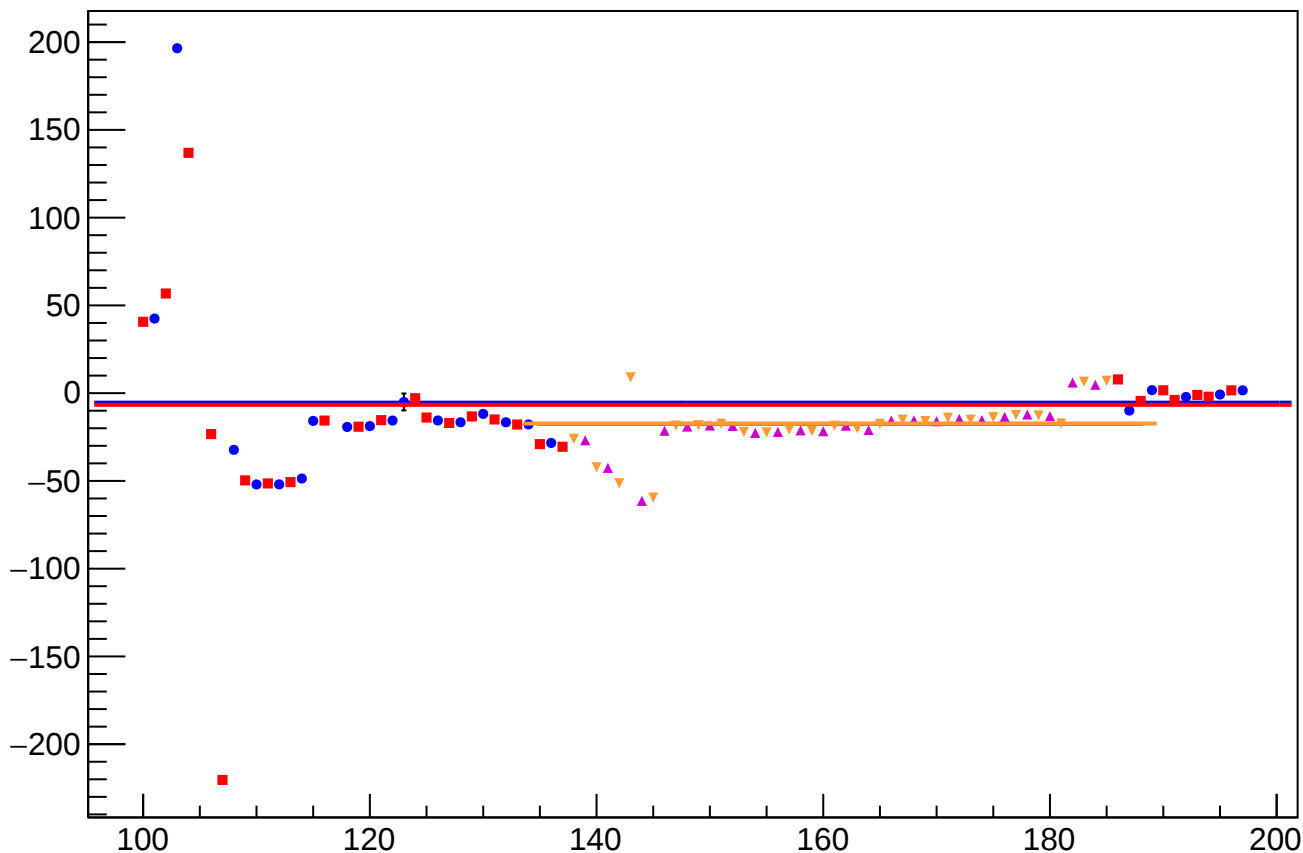
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -14.004 ± 0.396 χ^2/NDF : 1500.4/46

All: -14.772 ± 0.282 χ^2/NDF : 2959.0/95

- sign -15.558 ± 0.401 χ^2/NDF : 1451.0/48

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -5.407 ± 0.045 $\chi^2/\text{NDF}: 584311.5/21$

Left Out: -17.333 ± 0.020 $\chi^2/\text{NDF}: 325197.2/24$

Right Out: -6.642 ± 0.043 $\chi^2/\text{NDF}: 582270.7/25$

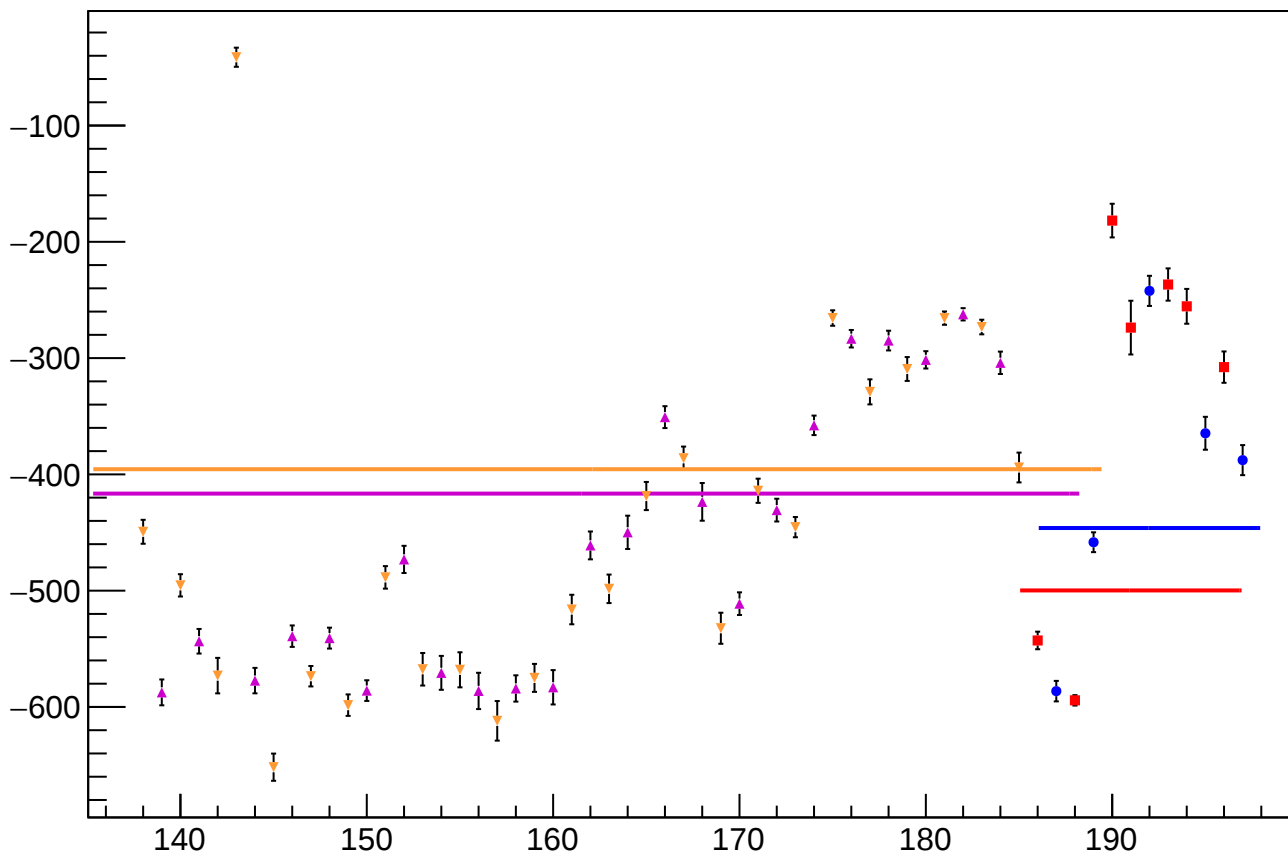
Left In: -17.491 ± 0.021 $\chi^2/\text{NDF}: 259215.8/22$

+ sign -15.331 ± 0.019 $\chi^2/\text{NDF}: 966874.6/46$

All: -15.386 ± 0.013 $\chi^2/\text{NDF}: 1860372.2/95$

- sign -15.442 ± 0.019 $\chi^2/\text{NDF}: 893479.7/48$

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -446.127+/-4.791 χ^2/NDF : 556.7/4

Left Out: -395.547+/-1.953 χ^2/NDF : 5946.5/24

Right Out: -499.800+/-3.351 χ^2/NDF : 1883.2/6

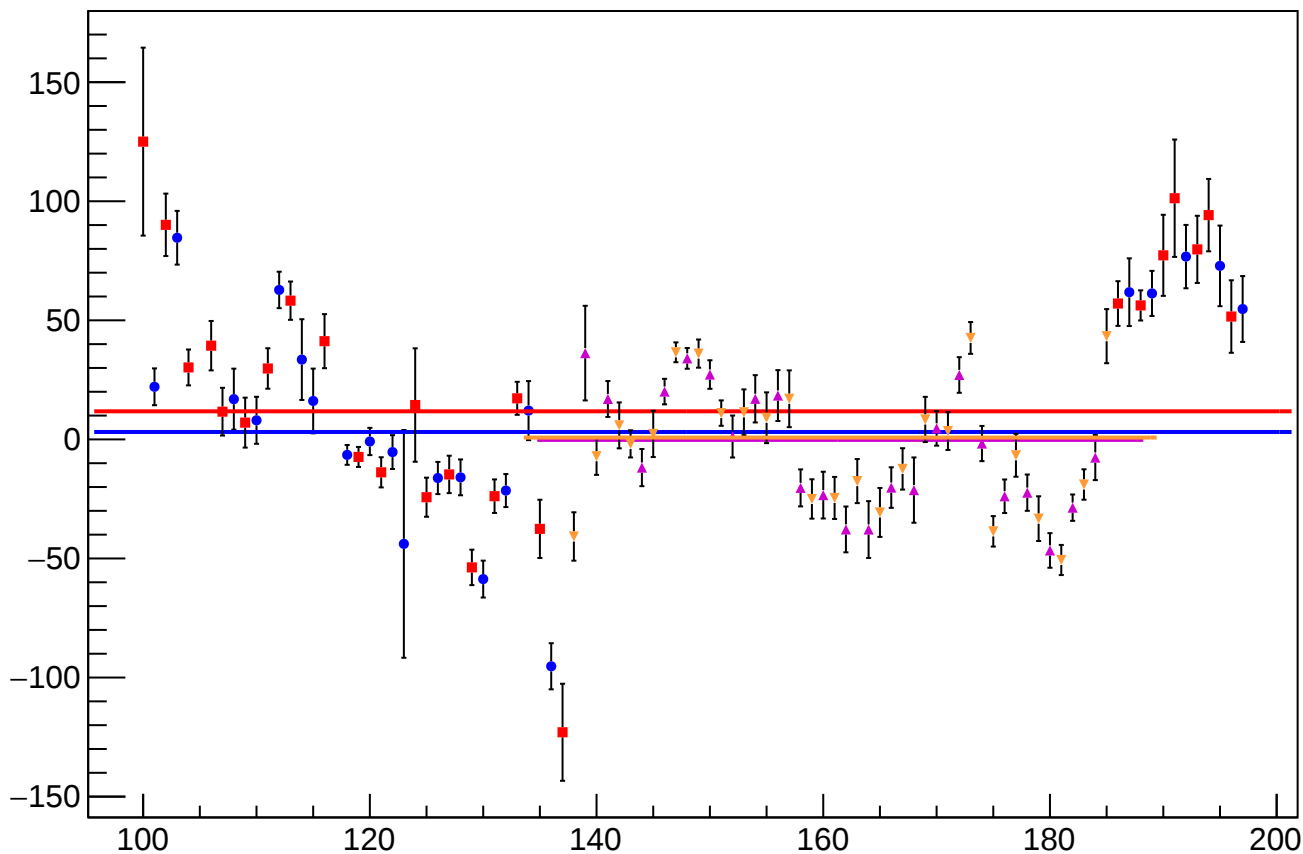
Left In: -416.521+/-2.005 χ^2/NDF : 3917.0/22

+ sign -402.757+/-1.809 χ^2/NDF : 6598.9/29

All: -421.508+/-1.247 χ^2/NDF : 13058.5/59

- sign -438.469+/-1.720 χ^2/NDF : 6255.0/29

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 3.114 ± 1.826 $\chi^2/\text{NDF}: 443.7/21$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 11.793 ± 1.748 $\chi^2/\text{NDF}: 493.7/25$

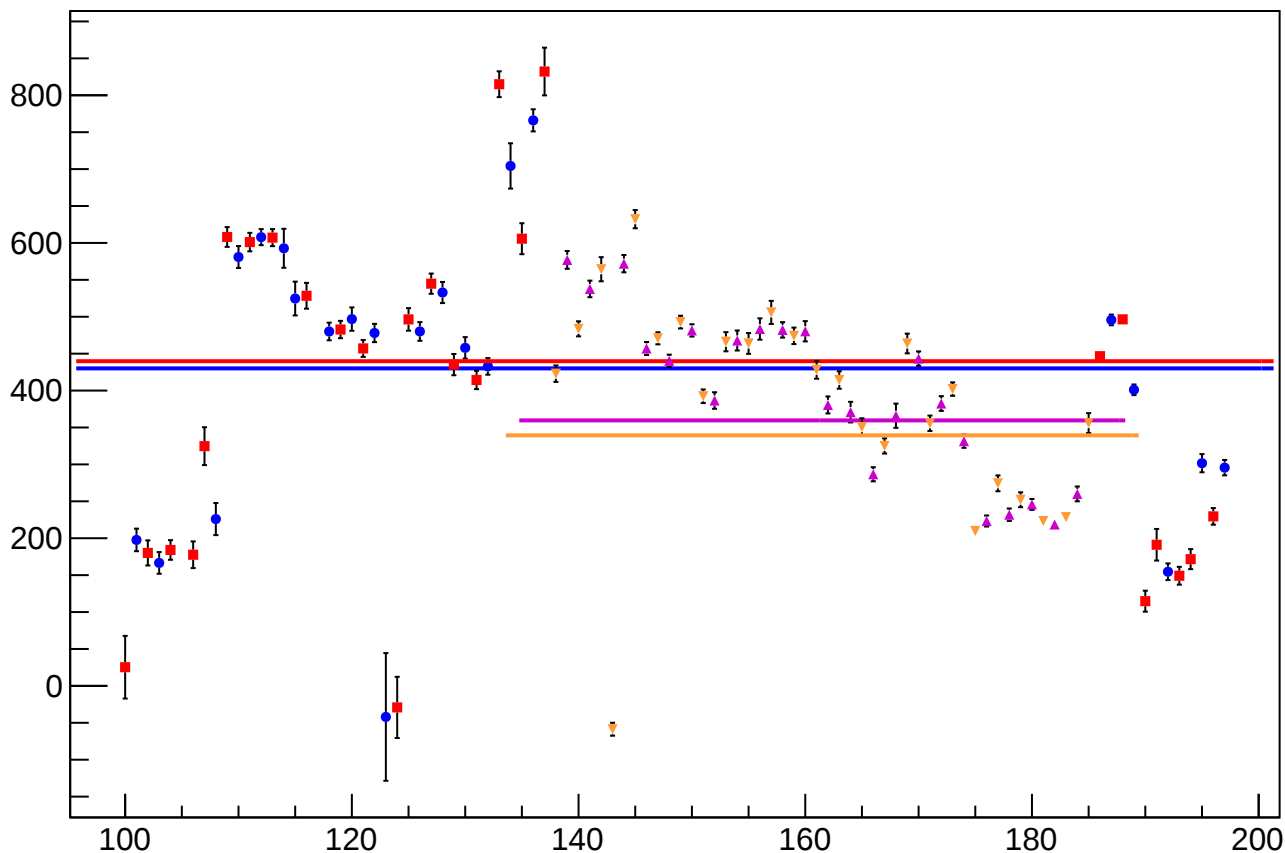
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 1.715 ± 1.160 $\chi^2/\text{NDF}: 794.7/46$

All: 3.429 ± 0.824 $\chi^2/\text{NDF}: 1579.6/95$

- sign 5.173 ± 1.170 $\chi^2/\text{NDF}: 780.4/48$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 430.049 ± 2.709 $\chi^2/\text{NDF}: 2771.2/21$

Left Out: 339.355 ± 1.963 $\chi^2/\text{NDF}: 5502.5/24$

Right Out: 439.789 ± 2.176 $\chi^2/\text{NDF}: 4600.5/25$

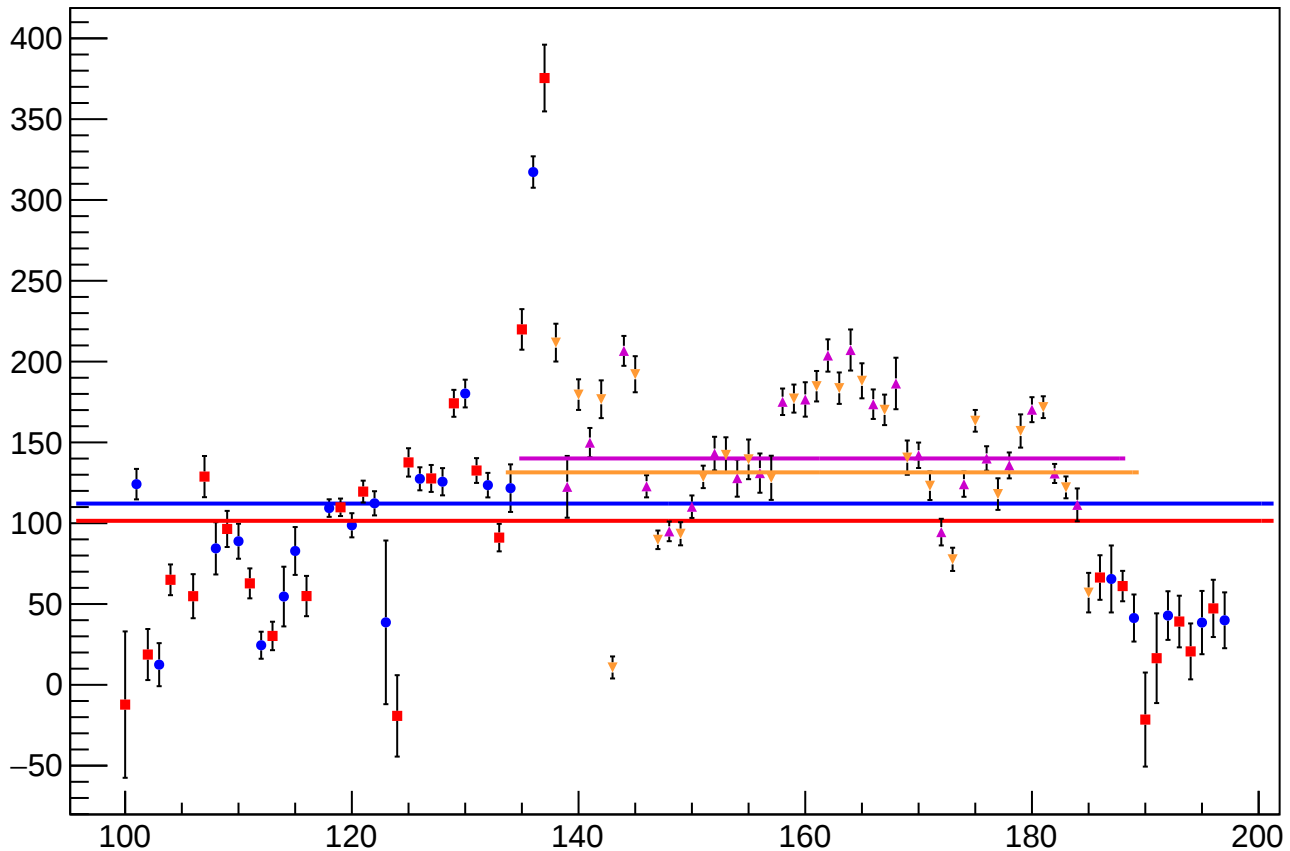
Left In: 359.609 ± 2.003 $\chi^2/\text{NDF}: 3398.5/22$

+ sign 370.574 ± 1.589 $\chi^2/\text{NDF}: 9008.8/46$

All: 384.454 ± 1.081 $\chi^2/\text{NDF}: 17884.8/95$

- sign 396.384 ± 1.473 $\chi^2/\text{NDF}: 8734.3/48$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 112.153 $\pm$ 2.140 χ^2 /NDF: 793.5/21

Left Out: 131.464 $\pm$ 1.728 χ^2 /NDF:809.3/24

Right Out: 101.481 $\pm$ 2.066 χ^2 /NDF: 678.9/25

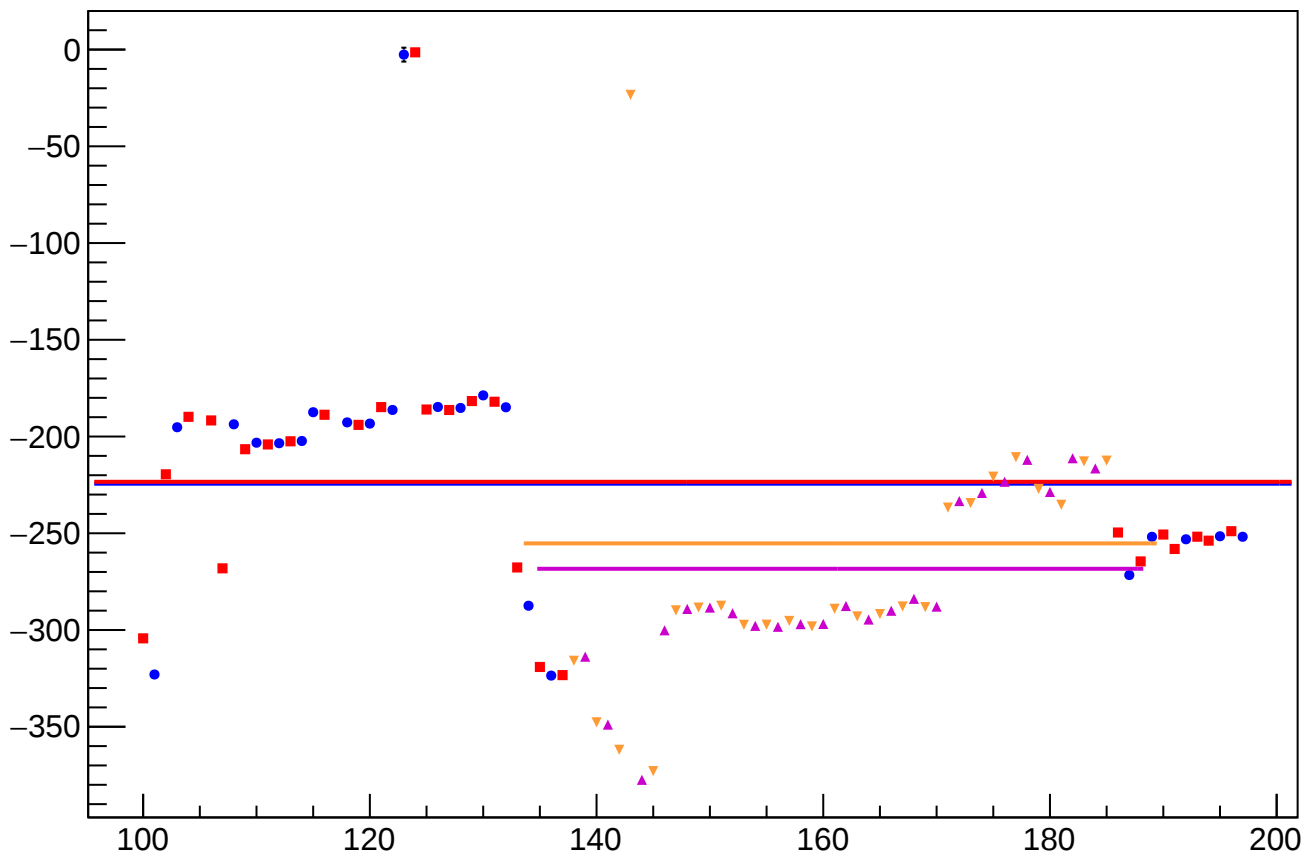
Left In: 140.069 $\pm$ 1.795 χ^2 /NDF:316.5/22

+ sign 123.844 $\pm$ 1.344 χ^2 /NDF: 1652.2/46

All: 123.656 $\pm$ 0.954 χ^2 /NDF: 2846.4/95

- sign 123.466 $\pm$ 1.355 χ^2 /NDF: 1194.2/48

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -224.373 ± 0.122 $\chi^2/\text{NDF}: 160545.9/21$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -223.397 ± 0.113 $\chi^2/\text{NDF}: 142587.2/25$

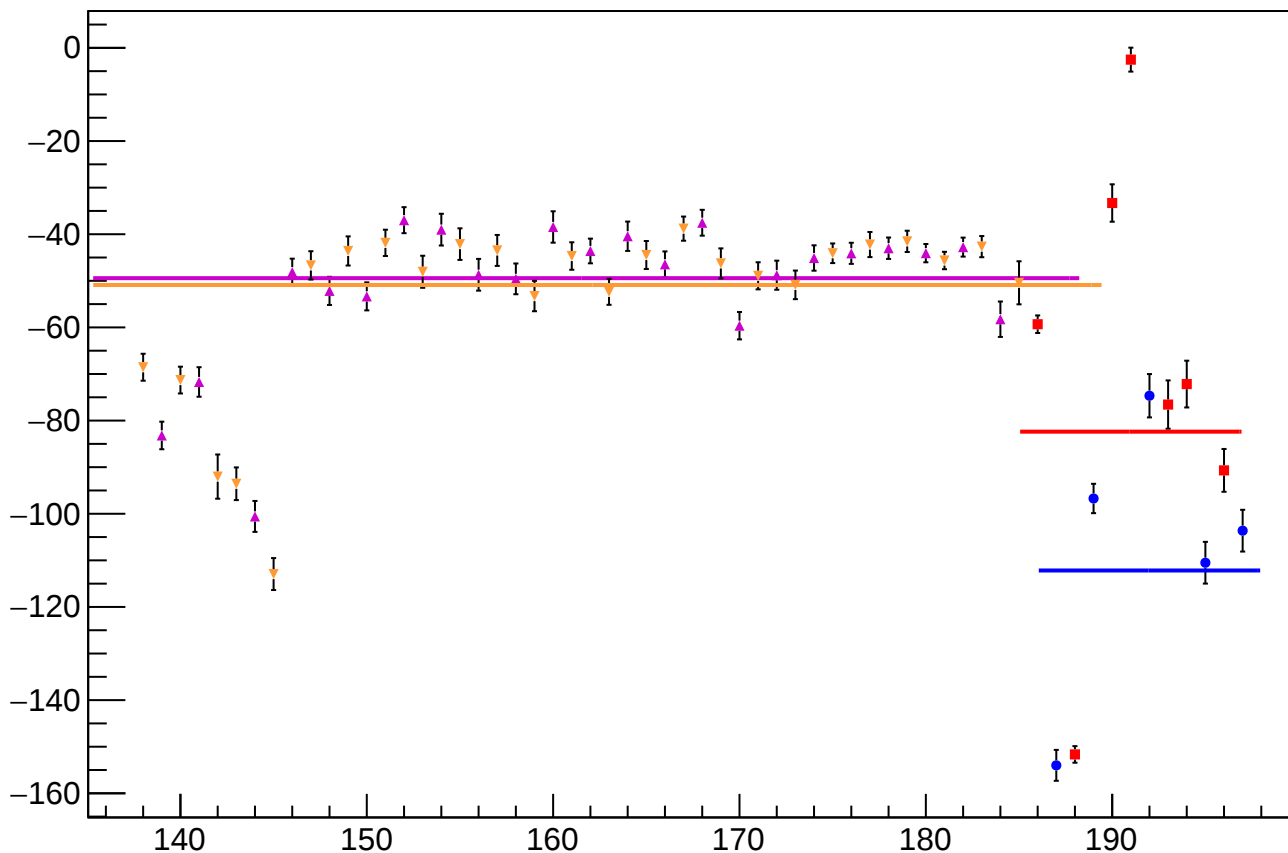
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -245.683 ± 0.068 $\chi^2/\text{NDF}: 932427.3/46$

All: -249.091 ± 0.048 $\chi^2/\text{NDF}: 1444955.6/95$

- sign -252.406 ± 0.067 $\chi^2/\text{NDF}: 507589.3/48$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -112.174 ± 1.722 χ^2/NDF : 251.7/4

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -82.377 ± 1.034 χ^2/NDF : 2788.3/6

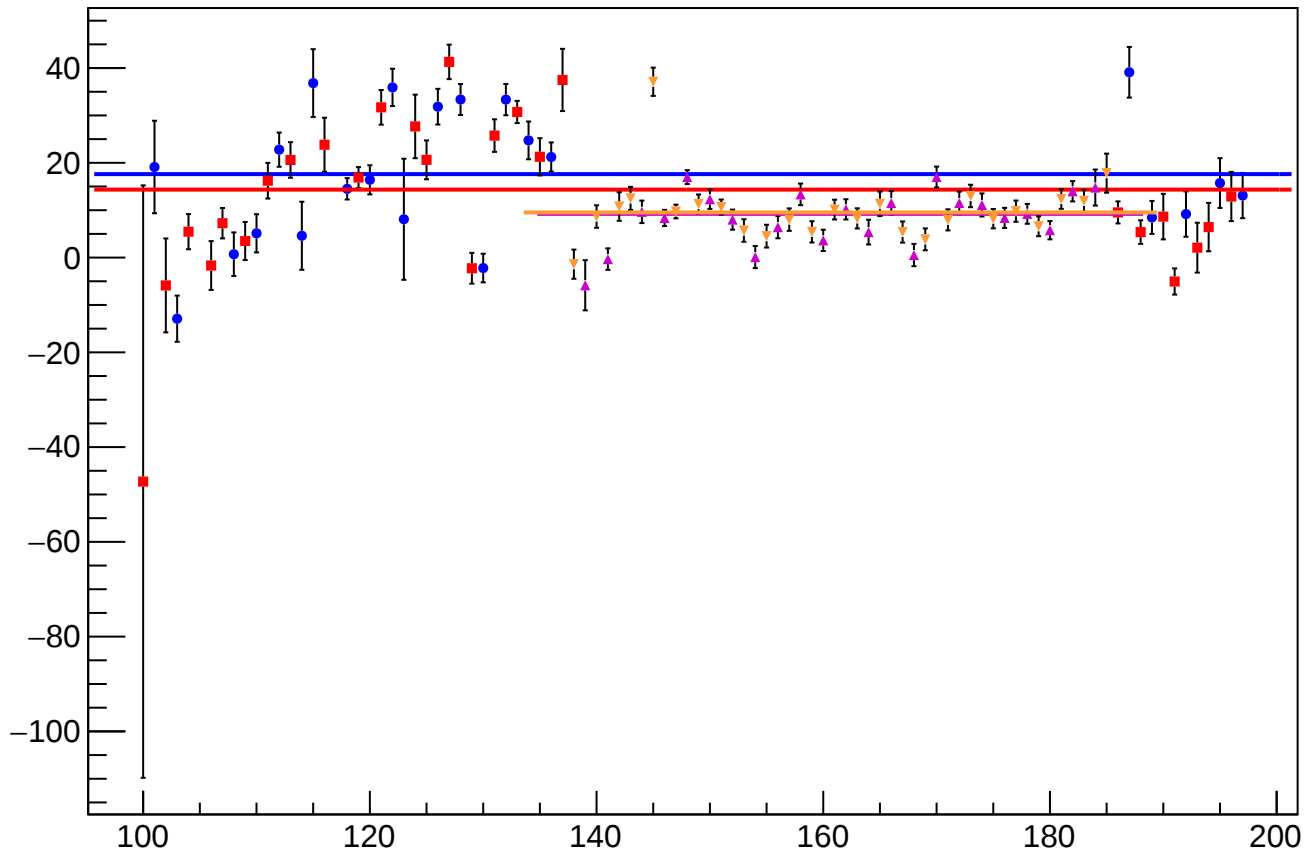
Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

+ sign -57.004 ± 0.543 χ^2/NDF : 2153.6/29

All: -57.211 ± 0.371 χ^2/NDF : 6254.8/59

- sign -57.393 ± 0.509 χ^2/NDF : 4100.9/29

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 17.616 ± 0.837 χ^2/NDF : 234.1/21

Left Out: 9.530 ± 0.446 χ^2/NDF : 134.4/24

Right Out: 14.346 ± 0.712 χ^2/NDF : 301.2/25

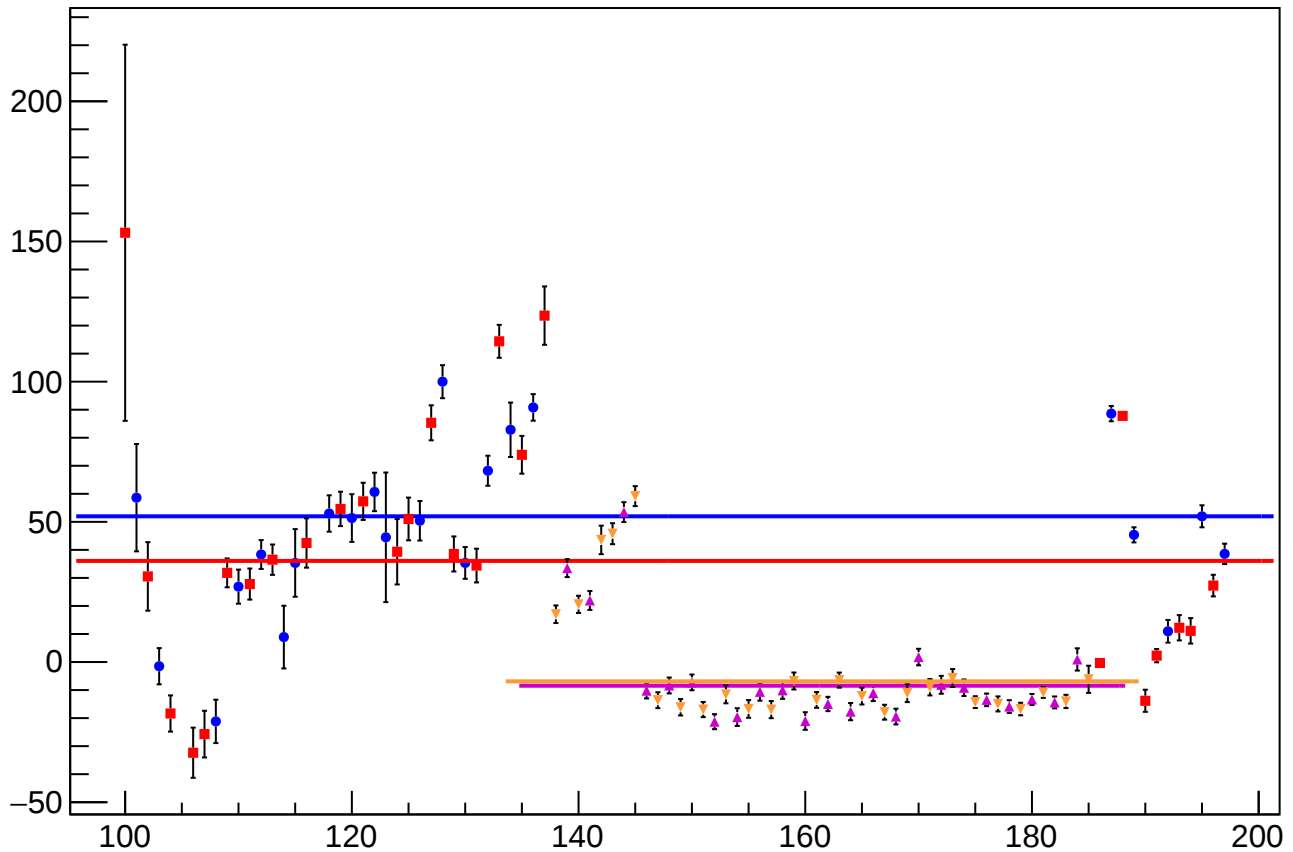
Left In: 9.231 ± 0.462 χ^2/NDF : 124.0/22

+ sign 11.317 ± 0.394 χ^2/NDF : 441.2/46

All: 11.026 ± 0.276 χ^2/NDF : 903.7/95

- sign 10.745 ± 0.387 χ^2/NDF : 461.5/48

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 51.977 ± 1.099 χ^2/NDF : 665.2/21

Left Out: -6.888 ± 0.571 χ^2/NDF : 914.2/24

Right Out: 36.072 ± 0.763 χ^2/NDF : 2861.4/25

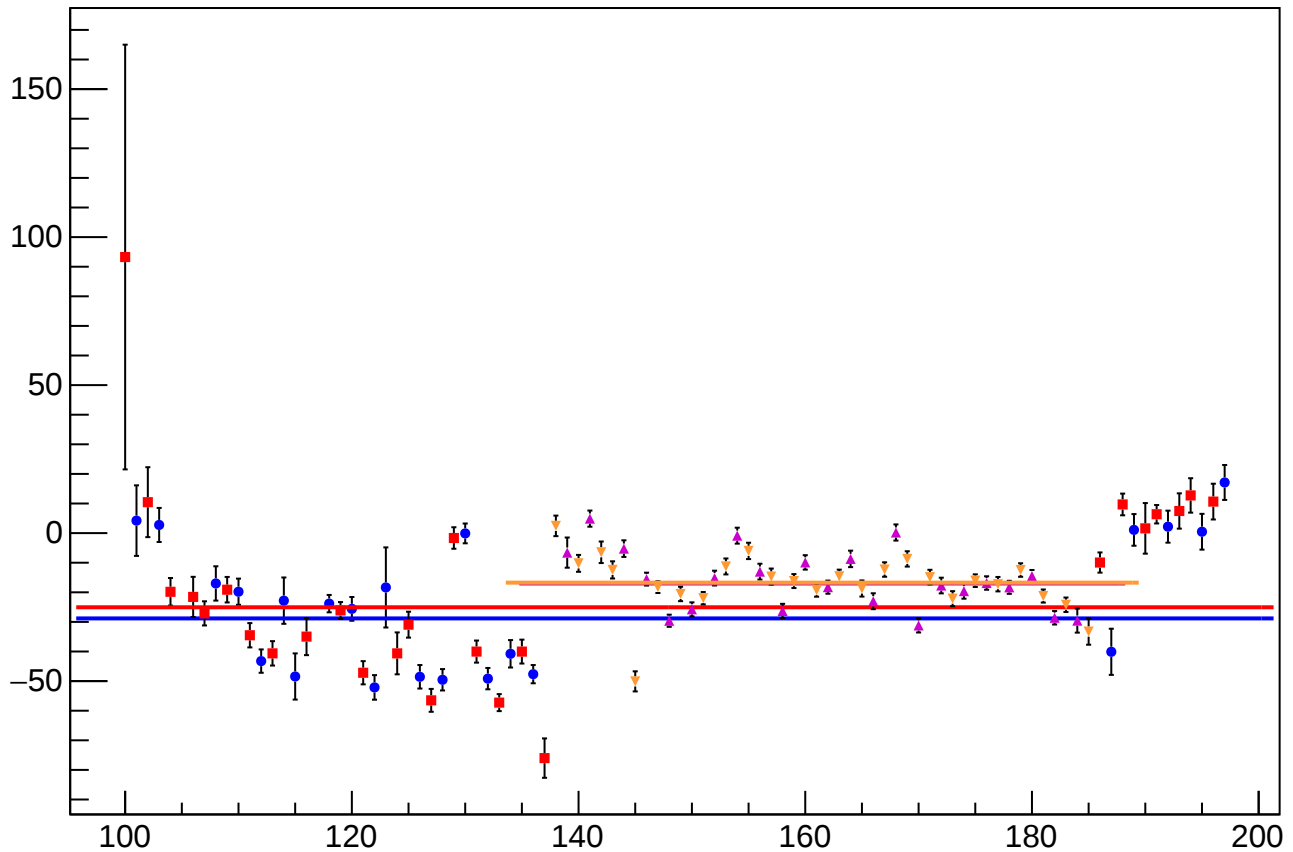
Left In: -8.451 ± 0.580 χ^2/NDF : 688.9/22

+ sign 5.628 ± 0.507 χ^2/NDF : 3839.4/46

All: 6.841 ± 0.341 χ^2/NDF : 9558.7/95

- sign 7.848 ± 0.462 χ^2/NDF : 5708.8/48

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -28.821 ± 0.973 χ^2/NDF : 459.6/21

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -25.058 ± 0.852 χ^2/NDF : 726.5/25

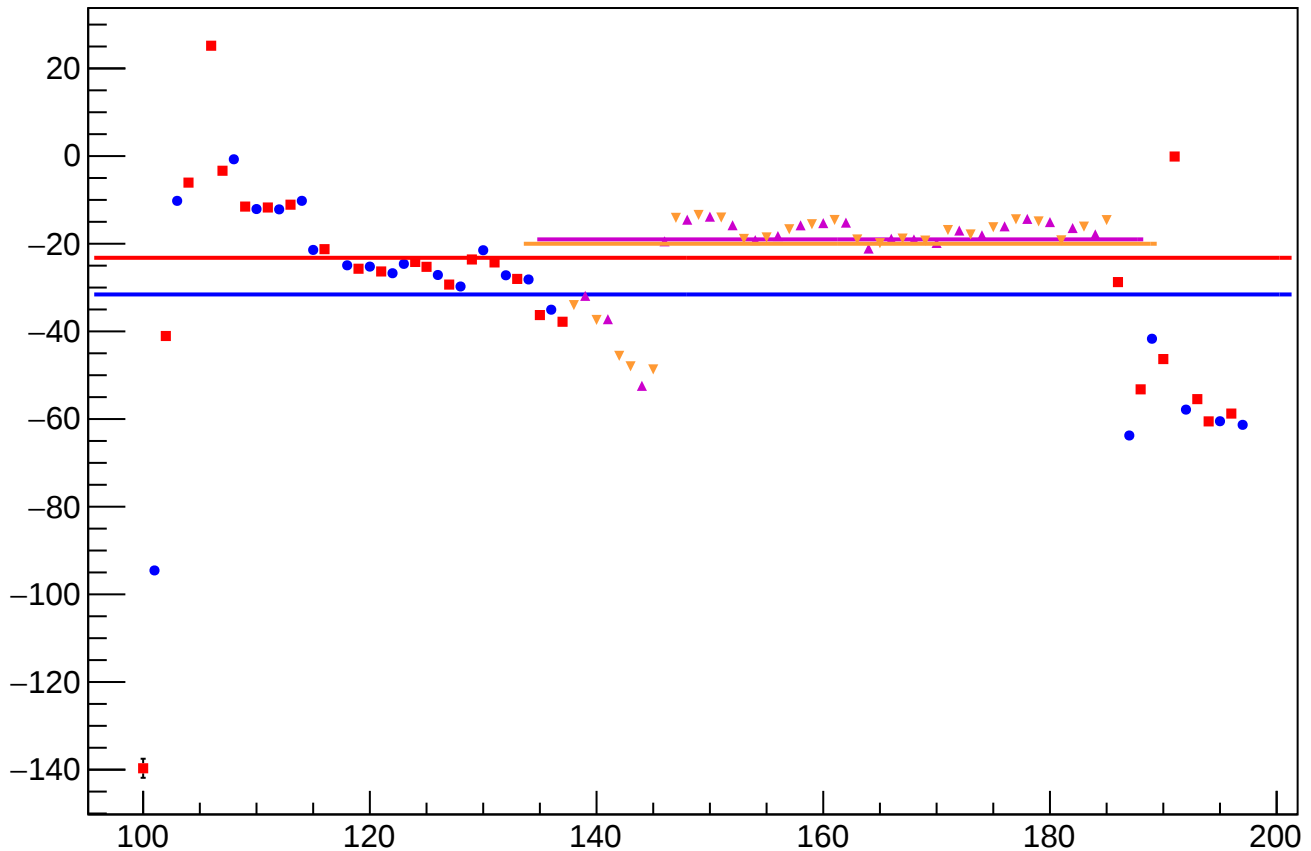
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -19.313 ± 0.449 χ^2/NDF : 804.3/46

All: -19.263 ± 0.316 χ^2/NDF : 1923.0/95

- sign -19.214 ± 0.445 χ^2/NDF : 1118.7/48

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -31.572 ± 0.050 χ^2/NDF : 157979.4/21

Left Out: -20.006 ± 0.023 χ^2/NDF : 145623.8/24

Right Out: -23.209 ± 0.041 χ^2/NDF : 312289.9/25

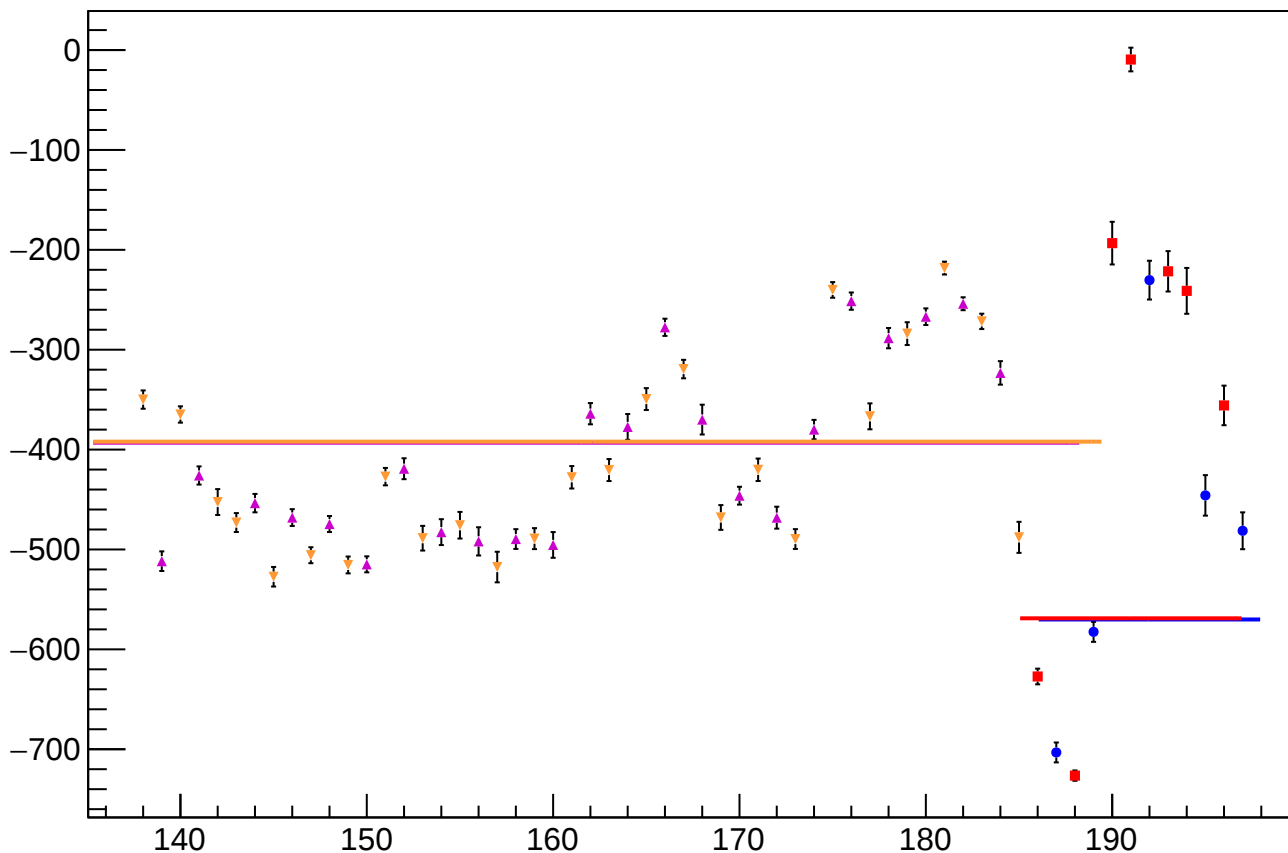
Left In: -19.007 ± 0.024 χ^2/NDF : 90873.3/22

+ sign -22.078 ± 0.021 χ^2/NDF : 347763.0/46

All: -21.039 ± 0.015 χ^2/NDF : 763516.7/95

- sign -20.059 ± 0.020 χ^2/NDF : 411043.0/48

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -570.093+/-5.967 χ^2 /NDF: 547.0/4

Left Out: -392.054+/-1.967 χ^2 /NDF:2717.2/24

Right Out: -568.934+/-3.789 χ^2 /NDF: 4129.7/6

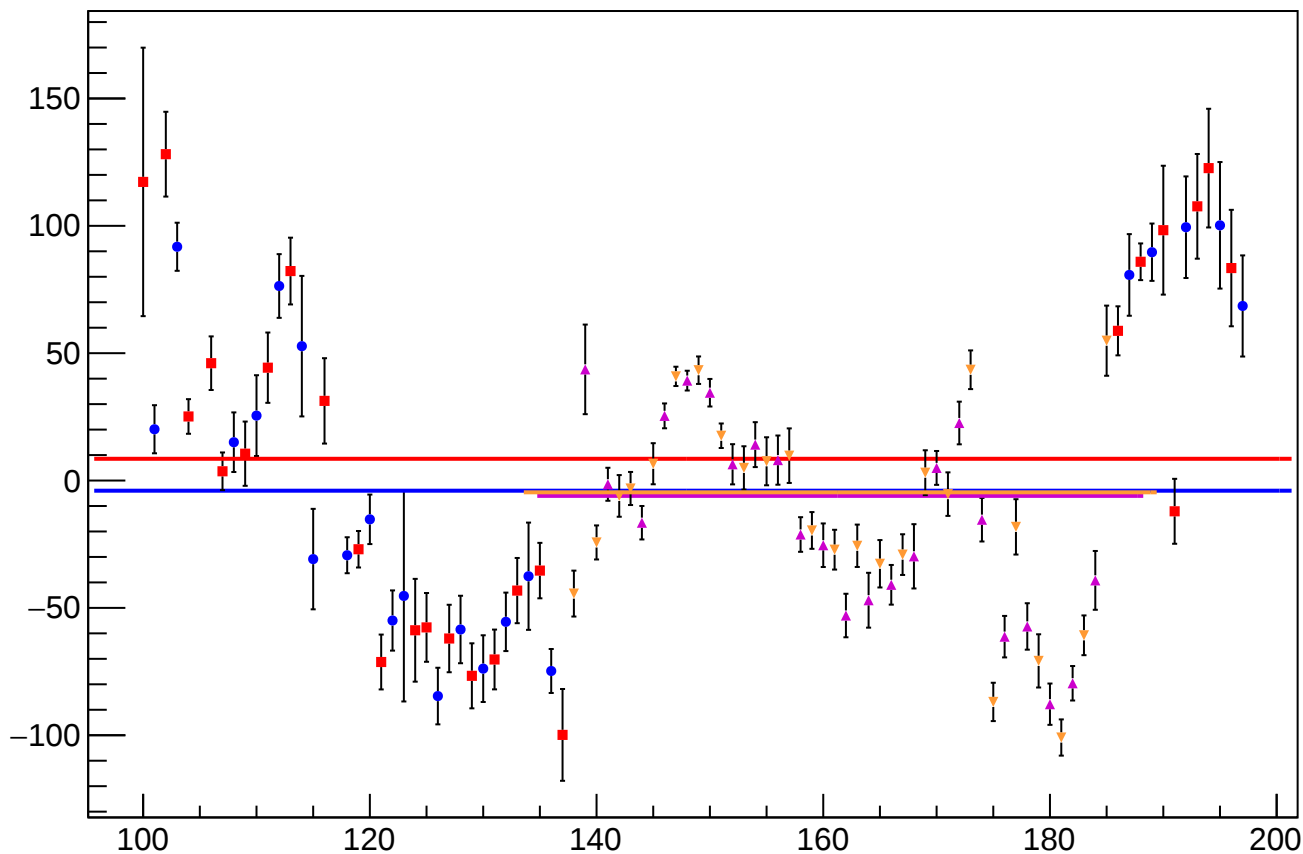
Left In: -393.113+/-2.006 χ^2 /NDF:2253.3/22

+ sign -409.500+/-1.868 χ^2 /NDF: 4067.3/29

All: -421.124+/-1.286 χ^2 /NDF: 12205.9/59

- sign -431.593+/-1.773 χ^2 /NDF: 8065.1/29

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -3.988 ± 2.638 χ^2/NDF : 539.7/21

Left Out: -4.624 ± 1.462 χ^2/NDF : 772.9/24

Right Out: 8.538 ± 2.291 χ^2/NDF : 632.4/25

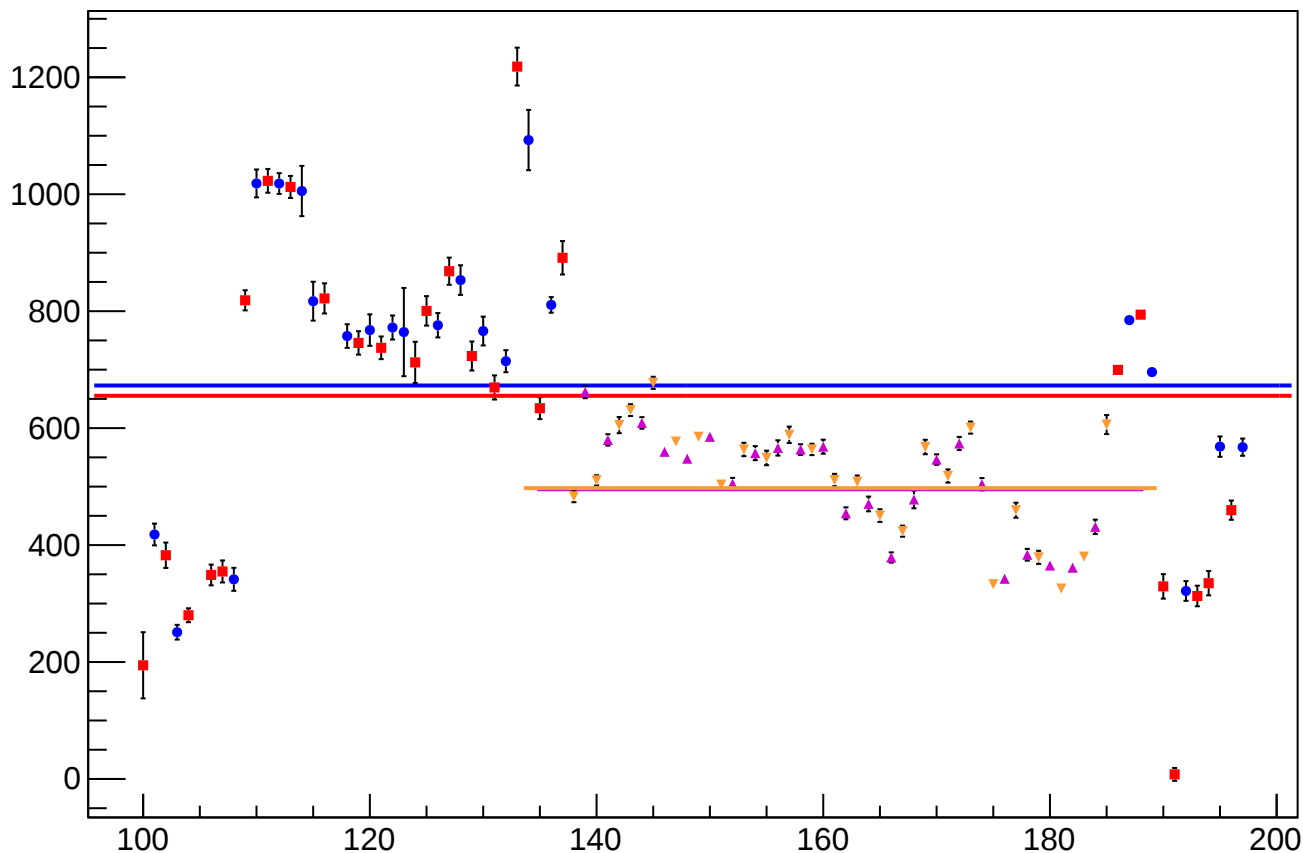
Left In: -6.019 ± 1.516 χ^2/NDF : 654.1/22

+ sign -4.475 ± 1.279 χ^2/NDF : 1312.6/46

All: -3.013 ± 0.899 χ^2/NDF : 2629.8/95

- sign -1.584 ± 1.264 χ^2/NDF : 1314.5/48

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 672.914+/-3.543 χ^2/NDF : 3295.7/21

Left Out: 497.381+/-1.966 χ^2/NDF : 2614.6/24

Right Out: 655.322+/-2.607 χ^2/NDF : 8765.2/25

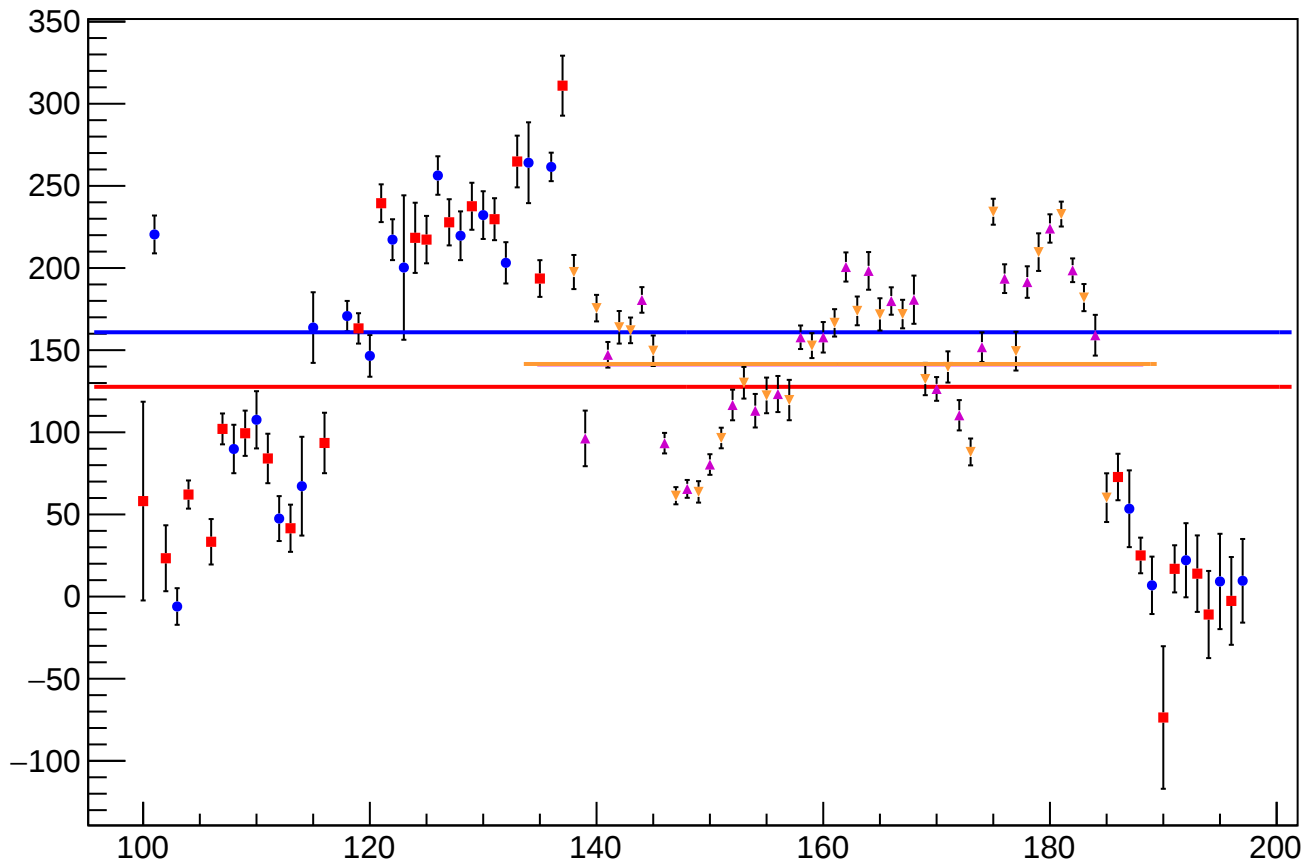
Left In: 495.454+/-1.992 χ^2/NDF : 2253.8/22

+ sign 538.707+/-1.719 χ^2/NDF : 7787.3/46

All: 547.195+/-1.164 χ^2/NDF : 21225.4/95

- sign 554.391+/-1.583 χ^2/NDF : 13393.1/48

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 160.893 +/- 3.090 χ^2/NDF : 855.1/21

Left Out: 141.588 +/- 1.698 χ^2/NDF : 959.6/24

Right Out: 127.681 +/- 2.760 χ^2/NDF : 1004.5/25

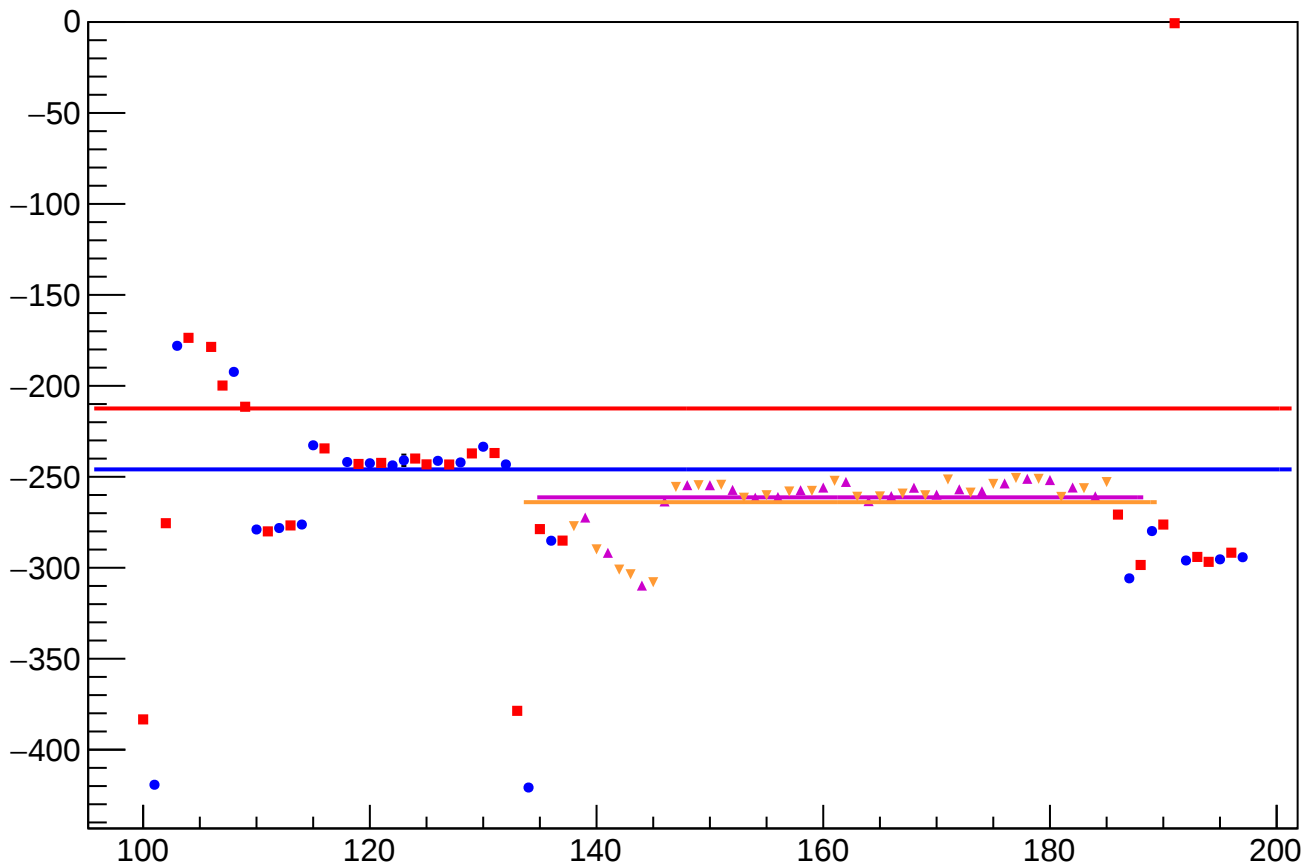
Left In: 141.360 +/- 1.748 χ^2/NDF : 741.2/22

+ sign 146.068 +/- 1.488 χ^2/NDF : 1844.6/46

All: 141.721 +/- 1.048 χ^2/NDF : 3624.8/95

- sign 137.444 +/- 1.477 χ^2/NDF : 1763.2/48

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -245.923 ± 0.149 χ^2/NDF : 183872.0/21

Left Out: -263.943 ± 0.081 χ^2/NDF : 39085.0/24

Right Out: -212.434 ± 0.130 χ^2/NDF : 461878.5/25

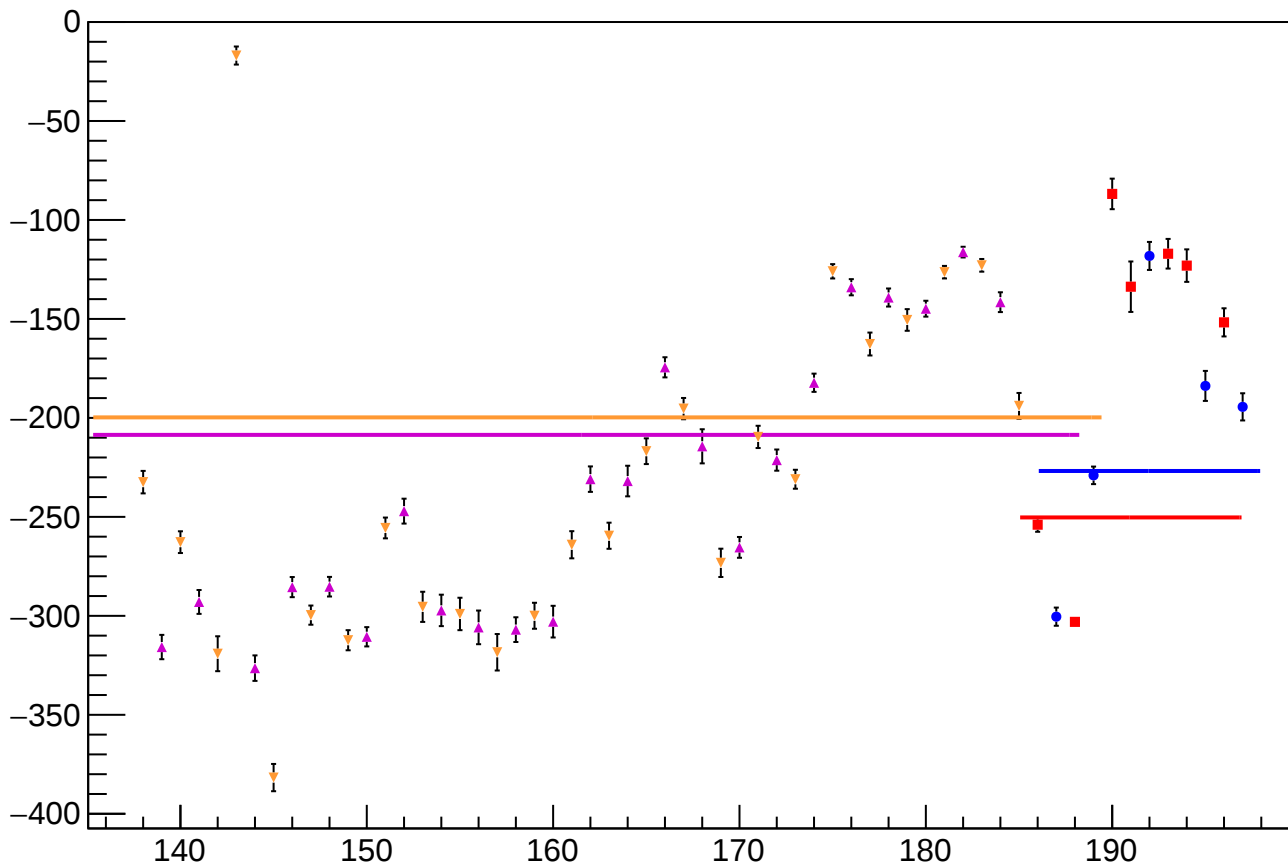
Left In: -261.286 ± 0.082 χ^2/NDF : 23348.4/22

+ sign -259.807 ± 0.071 χ^2/NDF : 234250.0/46

All: -253.384 ± 0.050 χ^2/NDF : 836750.2/95

- sign -247.324 ± 0.069 χ^2/NDF : 586735.9/48

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -226.816 ± 2.525 χ^2/NDF : 547.2/4

Left Out: -199.741 ± 1.061 χ^2/NDF : 6361.5/24

Right Out: -250.284 ± 1.738 χ^2/NDF : 1777.3/6

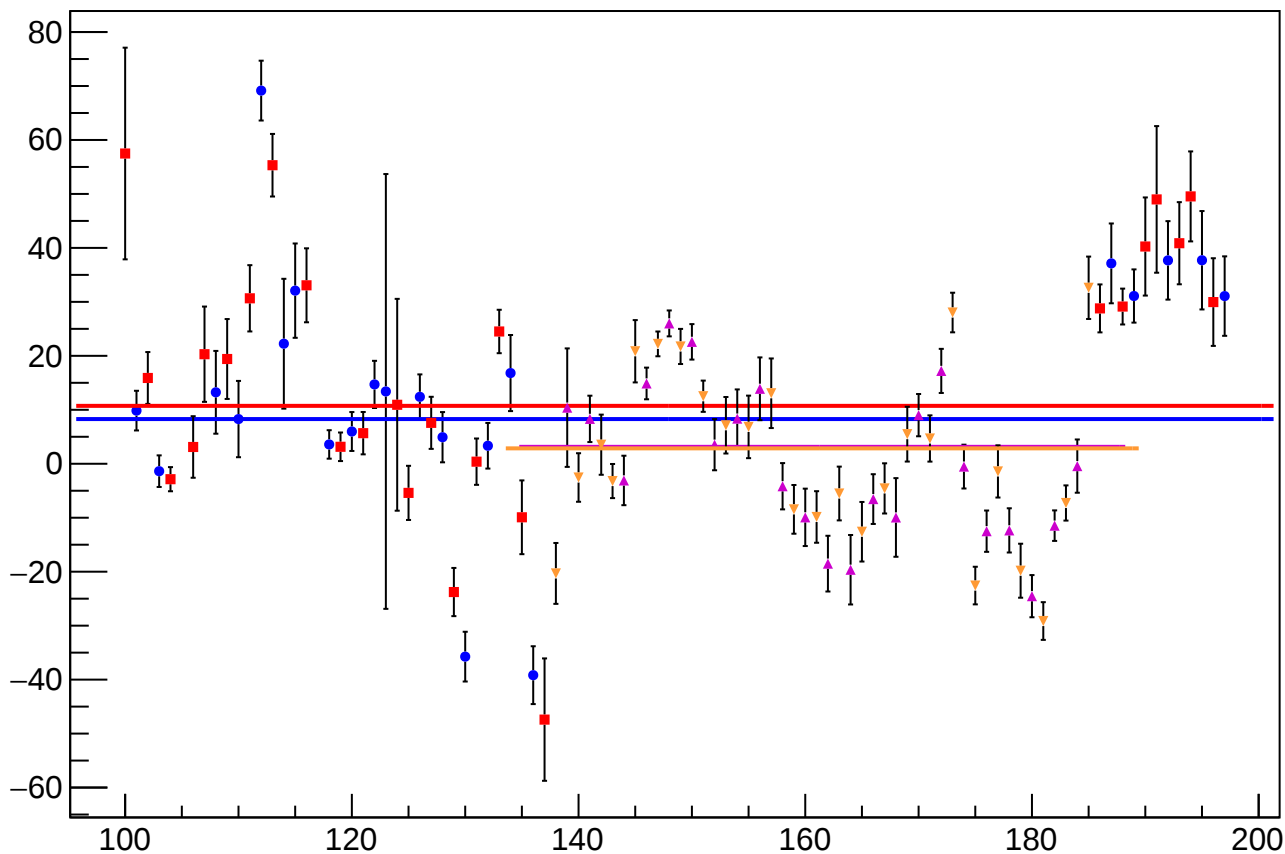
Left In: -208.579 ± 1.082 χ^2/NDF : 4805.1/22

+ sign -203.806 ± 0.978 χ^2/NDF : 7006.5/29

All: -212.533 ± 0.670 χ^2/NDF : 14153.5/59

- sign -220.230 ± 0.919 χ^2/NDF : 6997.2/29

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 8.283 ± 1.040 $\chi^2/\text{NDF}: 393.5/21$

Left Out: 2.853 ± 0.820 $\chi^2/\text{NDF}: 419.8/24$

Right Out: 10.731 ± 0.963 $\chi^2/\text{NDF}: 370.3/25$

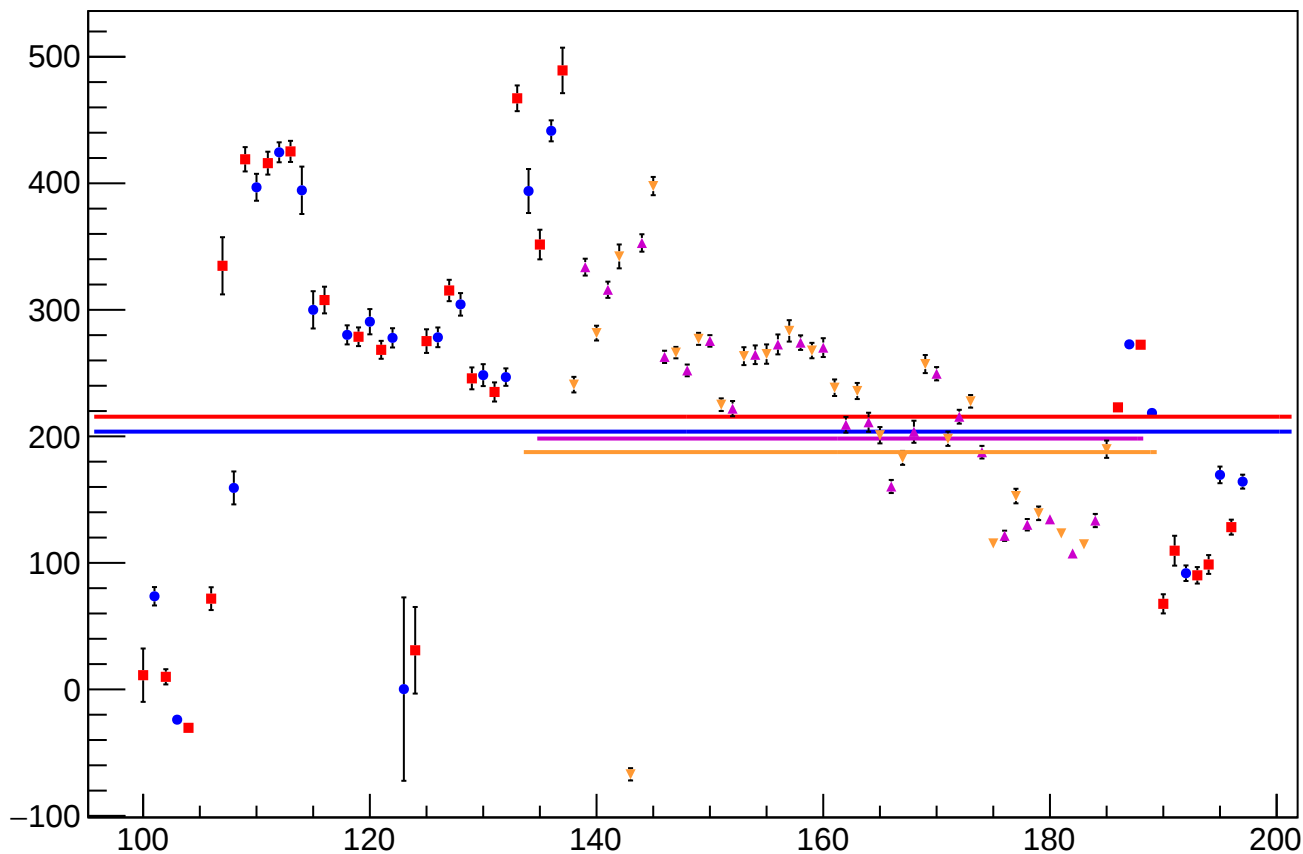
Left In: 3.136 ± 0.857 $\chi^2/\text{NDF}: 319.8/22$

+ sign 4.934 ± 0.644 $\chi^2/\text{NDF}: 830.1/46$

All: 5.718 ± 0.454 $\chi^2/\text{NDF}: 1557.9/95$

- sign 6.492 ± 0.640 $\chi^2/\text{NDF}: 724.8/48$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 203.739 $\pm$ 1.447 χ^2 /NDF: 7479.5/21

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF:7082.0/24

Right Out: 215.544 $\pm$ 1.147 χ^2 /NDF: 10551.3/25

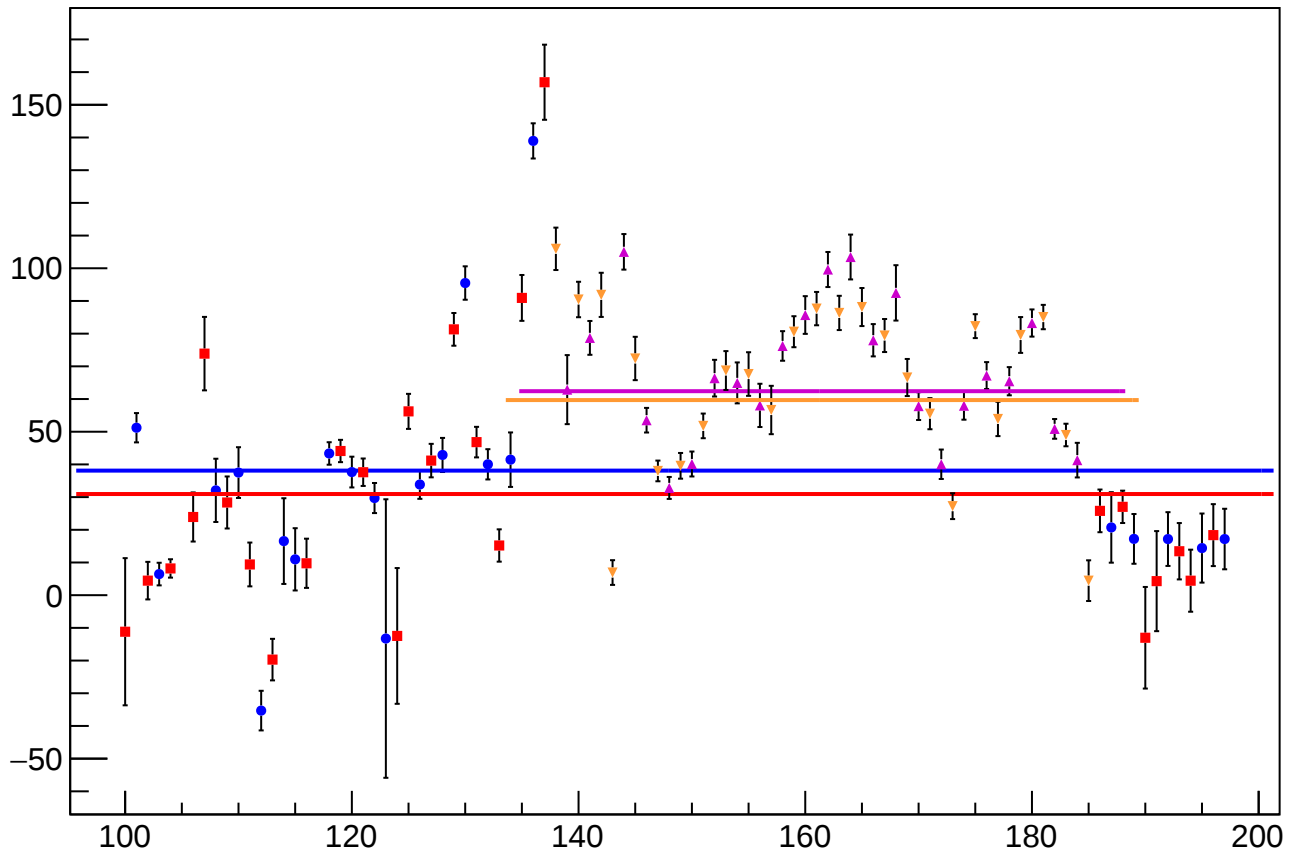
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF:4515.8/22

+ sign 193.253 $\pm$ 0.858 χ^2 /NDF: 14642.5/46

All: 200.396 $\pm$ 0.580 χ^2 /NDF: 29957.2/95

- sign 206.401 $\pm$ 0.787 χ^2 /NDF: 15187.2/48

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 38.104 ± 1.225 $\chi^2/\text{NDF}: 763.4/21$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 30.942 ± 1.158 $\chi^2/\text{NDF}: 578.2/25$

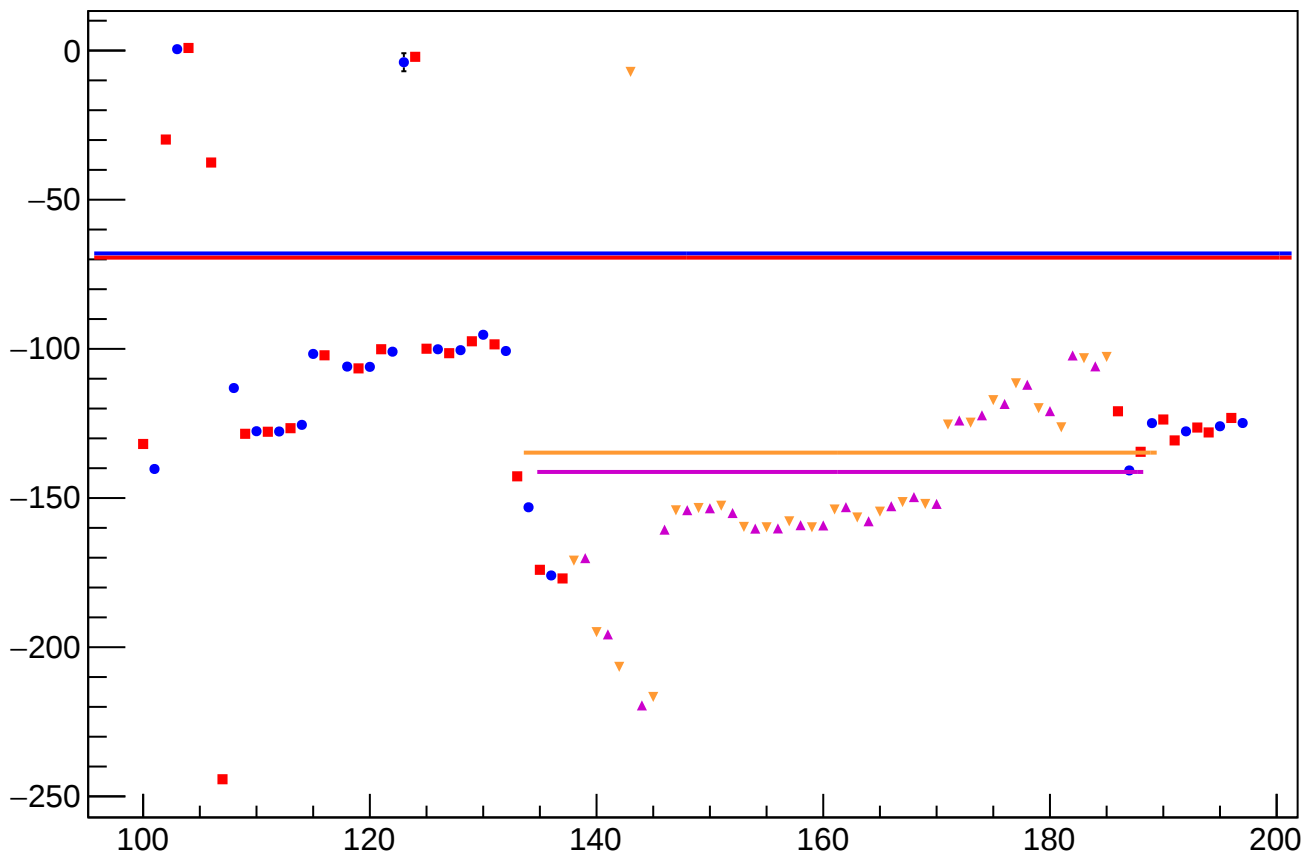
Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

+ sign 51.678 ± 0.746 $\chi^2/\text{NDF}: 1716.1/46$

All: 50.519 ± 0.527 $\chi^2/\text{NDF}: 3137.6/95$

- sign 49.362 ± 0.745 $\chi^2/\text{NDF}: 1416.7/48$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -68.016 ± 0.057 $\chi^2/\text{NDF}: 1286771.9/21$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -69.412 ± 0.054 $\chi^2/\text{NDF}: 1296026.7/25$

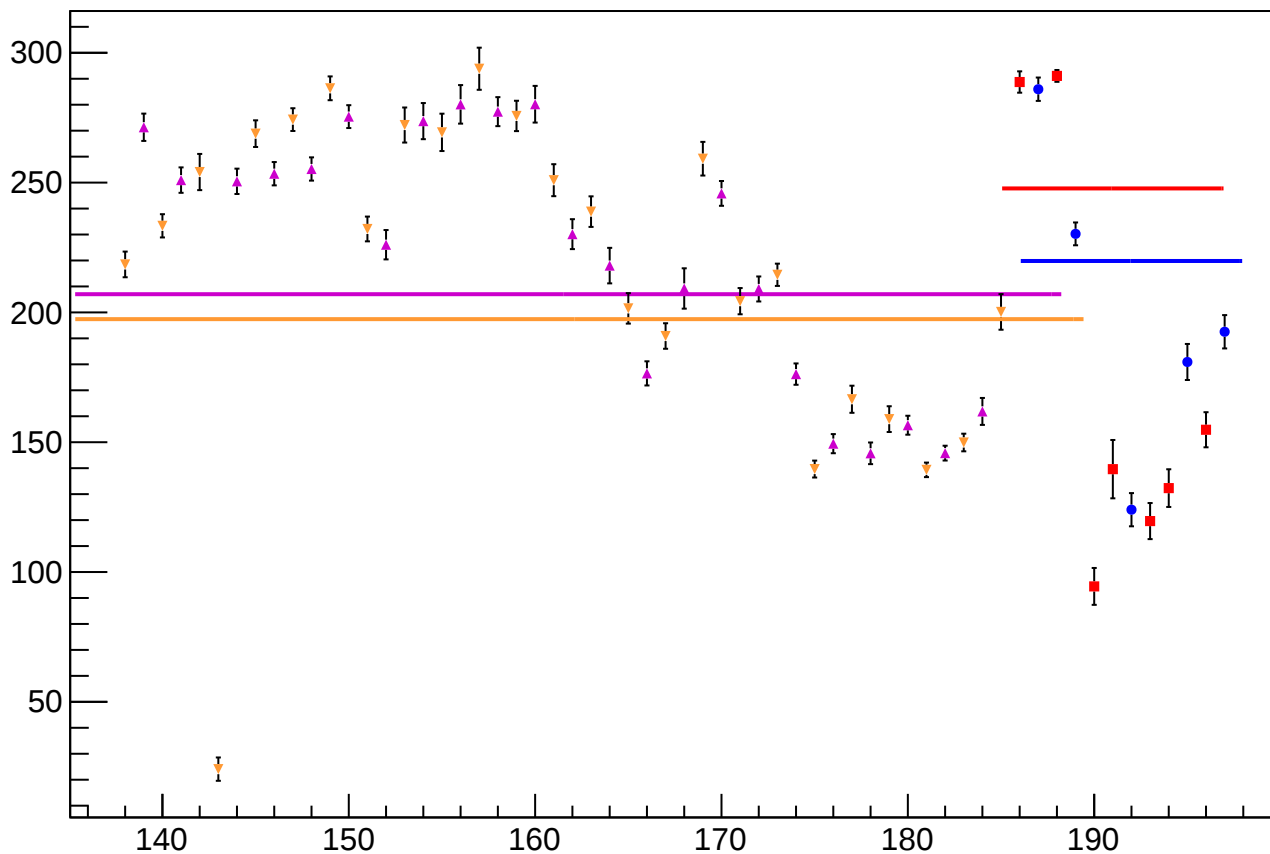
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -109.530 ± 0.035 $\chi^2/\text{NDF}: 2942700.7/46$

All: -110.539 ± 0.025 $\chi^2/\text{NDF}: 5628902.6/95$

- sign -111.524 ± 0.035 $\chi^2/\text{NDF}: 2684569.1/48$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 219.809 $\pm$ 2.421 χ^2/NDF : 495.7/4

Left Out: 197.408 $\pm$ 0.963 χ^2/NDF : 4384.2/24

Right Out: 247.752 $\pm$ 1.713 χ^2/NDF : 1801.0/6

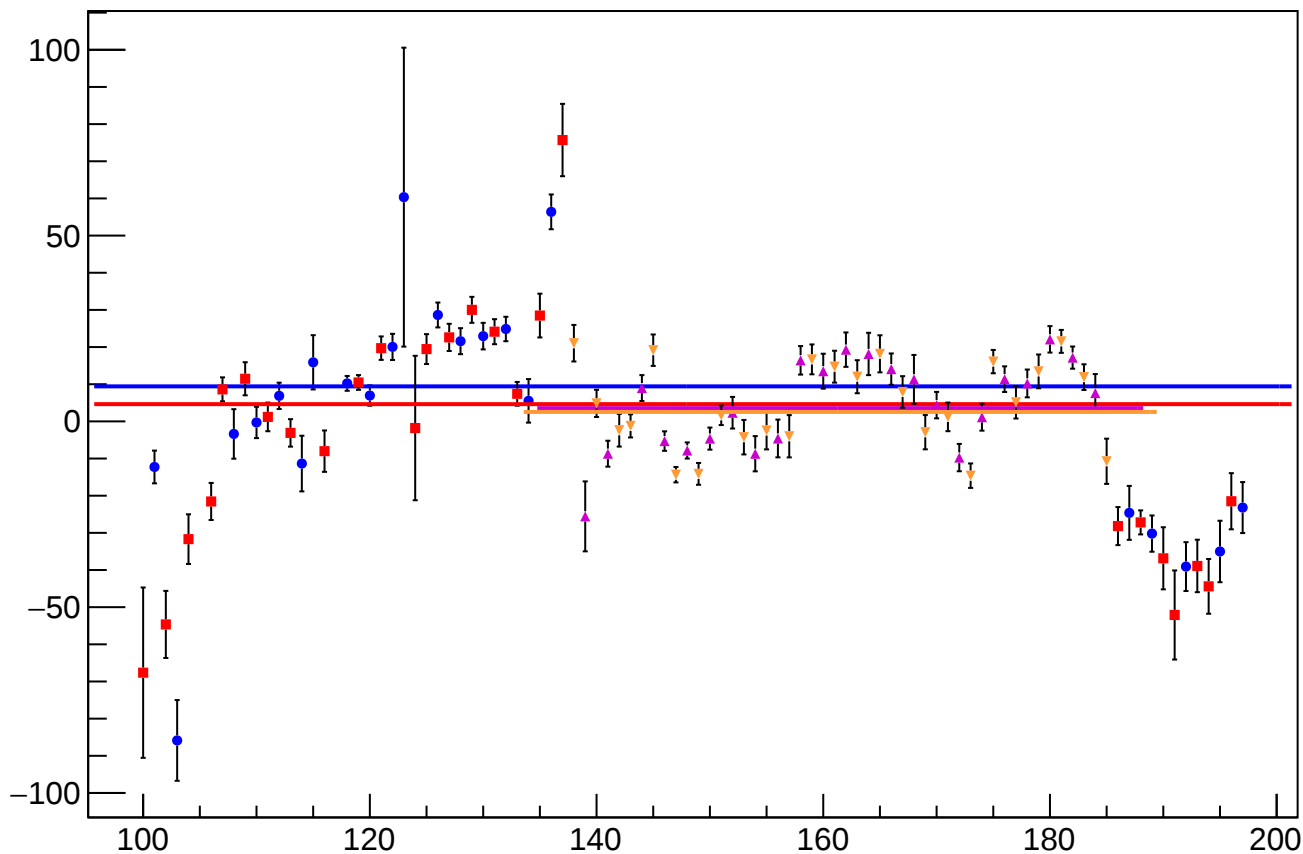
Left In: 207.014 $\pm$ 0.990 χ^2/NDF : 2611.5/22

+ sign 200.467 $\pm$ 0.895 χ^2/NDF : 4953.8/29

All: 209.203 $\pm$ 0.619 χ^2/NDF : 9973.4/59

- sign 217.222 $\pm$ 0.857 χ^2/NDF : 4836.7/29

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 9.422 ± 0.892 $\chi^2/\text{NDF}: 507.2/21$

Left Out: 2.548 ± 0.741 $\chi^2/\text{NDF}: 275.4/24$

Right Out: 4.637 ± 0.843 $\chi^2/\text{NDF}: 629.3/25$

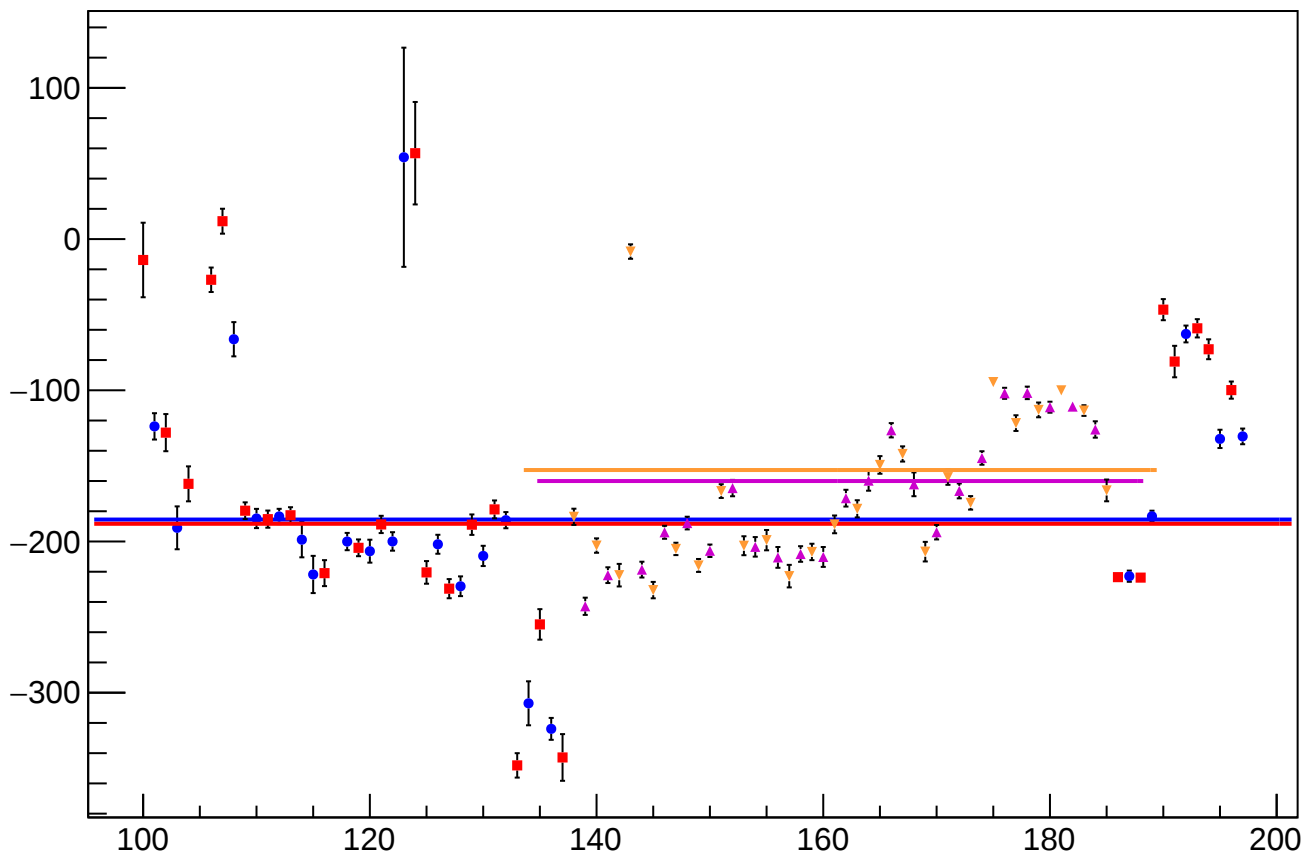
Left In: 3.559 ± 0.774 $\chi^2/\text{NDF}: 192.0/22$

+ sign 5.353 ± 0.570 $\chi^2/\text{NDF}: 817.8/46$

All: 4.703 ± 0.403 $\chi^2/\text{NDF}: 1642.6/95$

- sign 4.052 ± 0.570 $\chi^2/\text{NDF}: 822.2/48$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -185.490 ± 1.347 $\chi^2/\text{NDF}: 1482.6/21$

Left Out: -152.738 ± 0.967 $\chi^2/\text{NDF}: 3077.8/24$

Right Out: -188.296 ± 1.088 $\chi^2/\text{NDF}: 3763.9/25$

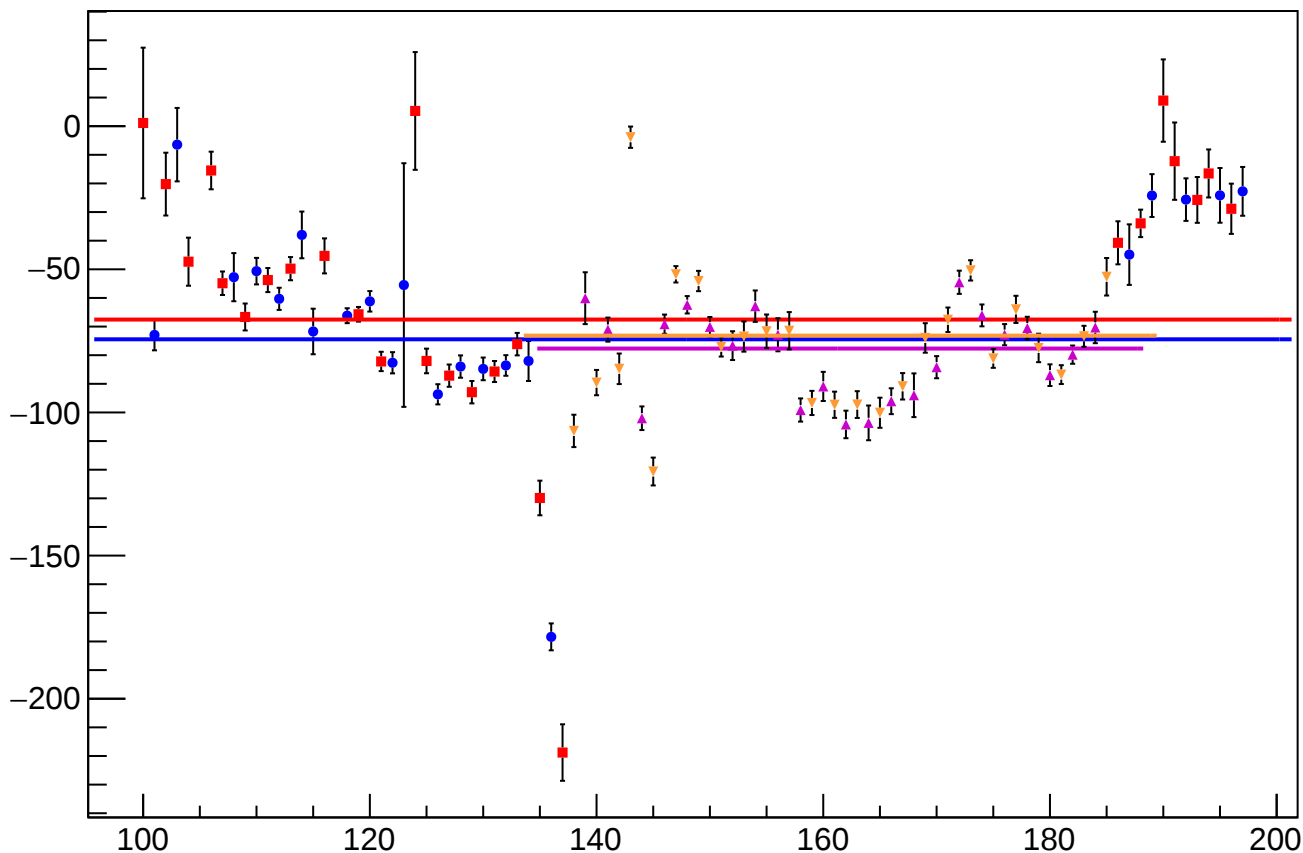
Left In: -160.021 ± 0.989 $\chi^2/\text{NDF}: 2024.4/22$

+ sign -163.877 ± 0.786 $\chi^2/\text{NDF}: 4950.6/46$

All: -168.662 ± 0.535 $\chi^2/\text{NDF}: 11178.2/95$

- sign -172.813 ± 0.732 $\chi^2/\text{NDF}: 6158.3/48$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -74.448 ± 1.042 χ^2/NDF : 823.2/21

Left Out: -73.165 ± 0.851 χ^2/NDF : 788.6/24

Right Out: -67.549 ± 0.993 χ^2/NDF : 818.4/25

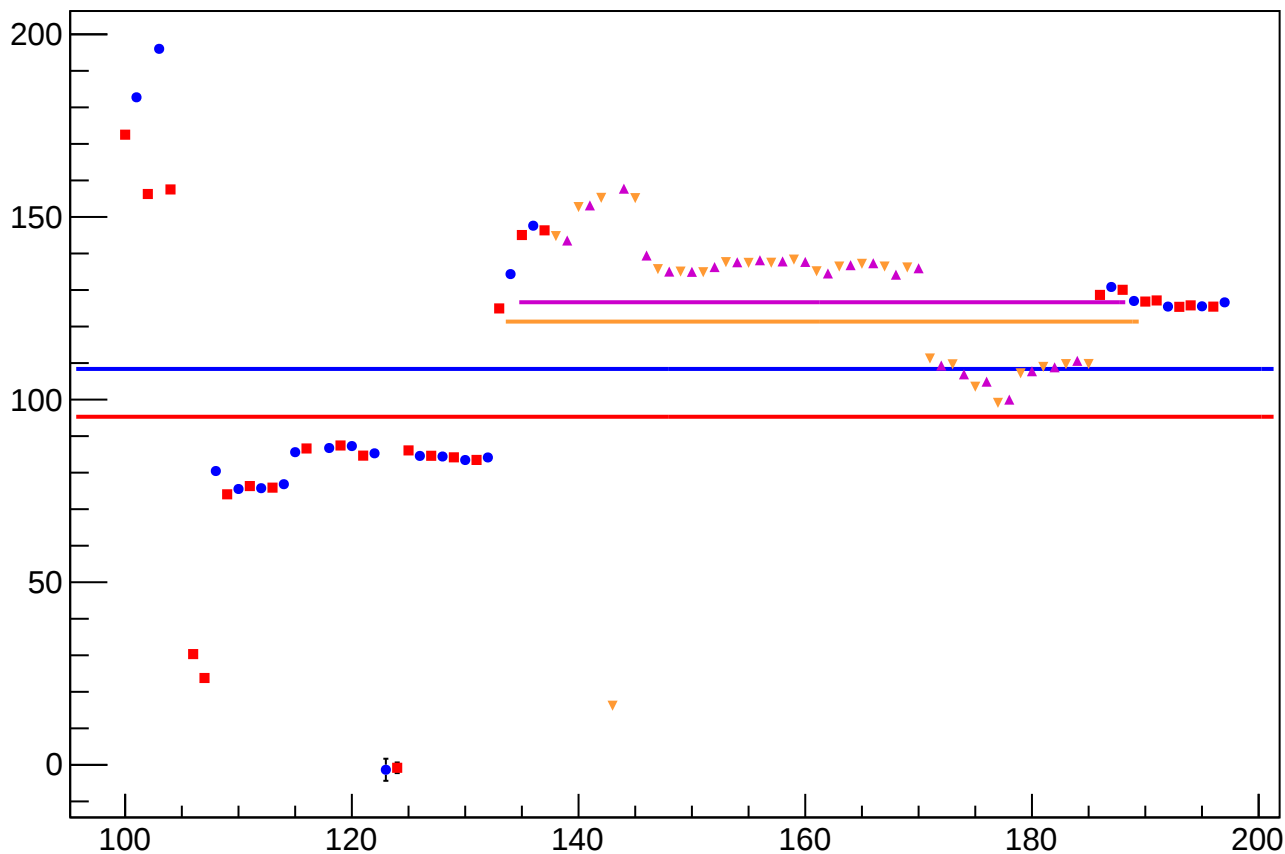
Left In: -77.678 ± 0.883 χ^2/NDF : 248.3/22

+ sign -73.679 ± 0.659 χ^2/NDF : 1612.7/46

All: -73.442 ± 0.466 χ^2/NDF : 2737.7/95

- sign -73.204 ± 0.660 χ^2/NDF : 1124.8/48

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 108.394 $\pm$ 0.063 χ^2 /NDF: 294637.4/21

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 95.303 $\pm$ 0.055 χ^2 /NDF: 528161.4/25

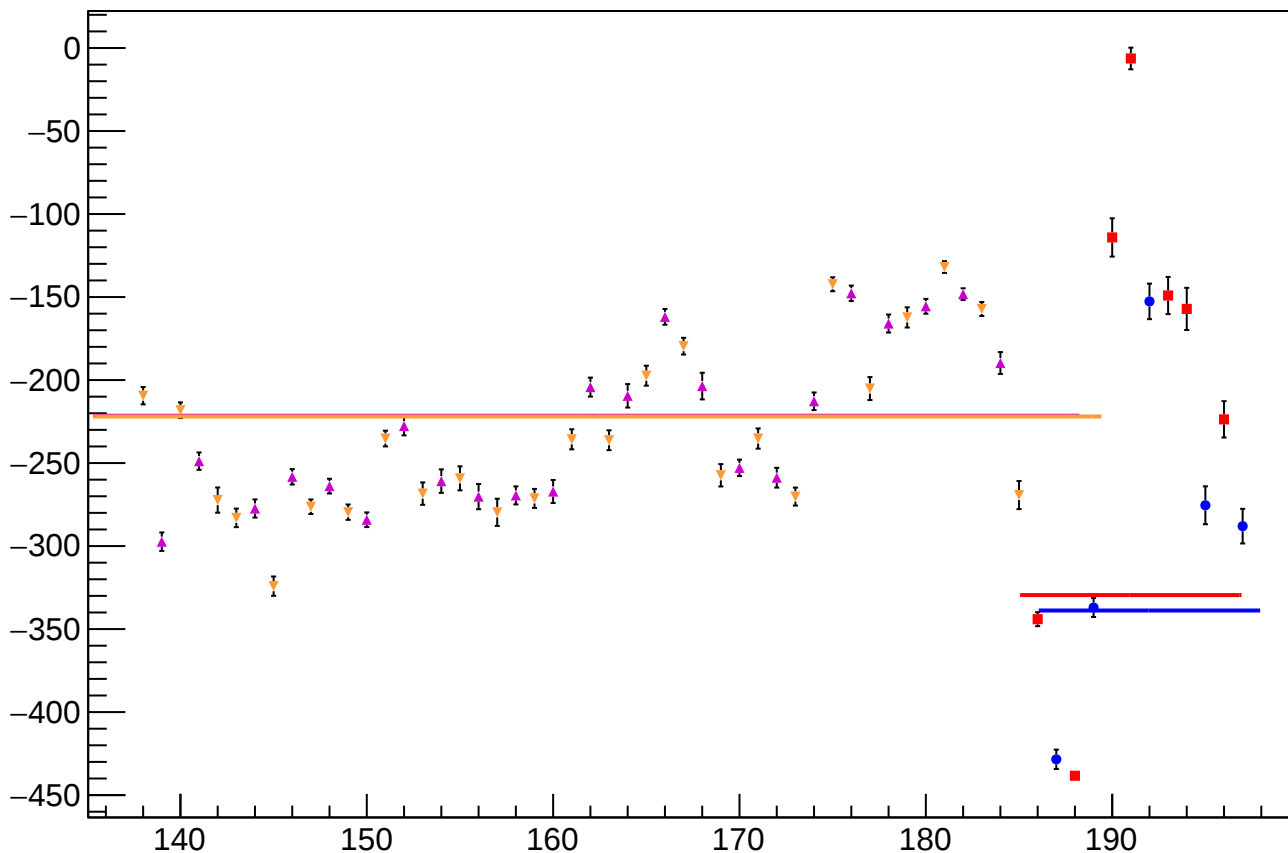
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 117.586 $\pm$ 0.034 χ^2 /NDF: 806697.6/46

All: 116.538 $\pm$ 0.024 χ^2 /NDF: 1706095.8/95

- sign 115.548 $\pm$ 0.033 χ^2 /NDF: 897545.3/48

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -338.811 ± 3.413 χ^2/NDF : 593.6/4

Left Out: -221.934 ± 1.084 χ^2/NDF : 2578.4/24

Right Out: -329.501 ± 2.139 χ^2/NDF : 4641.7/6

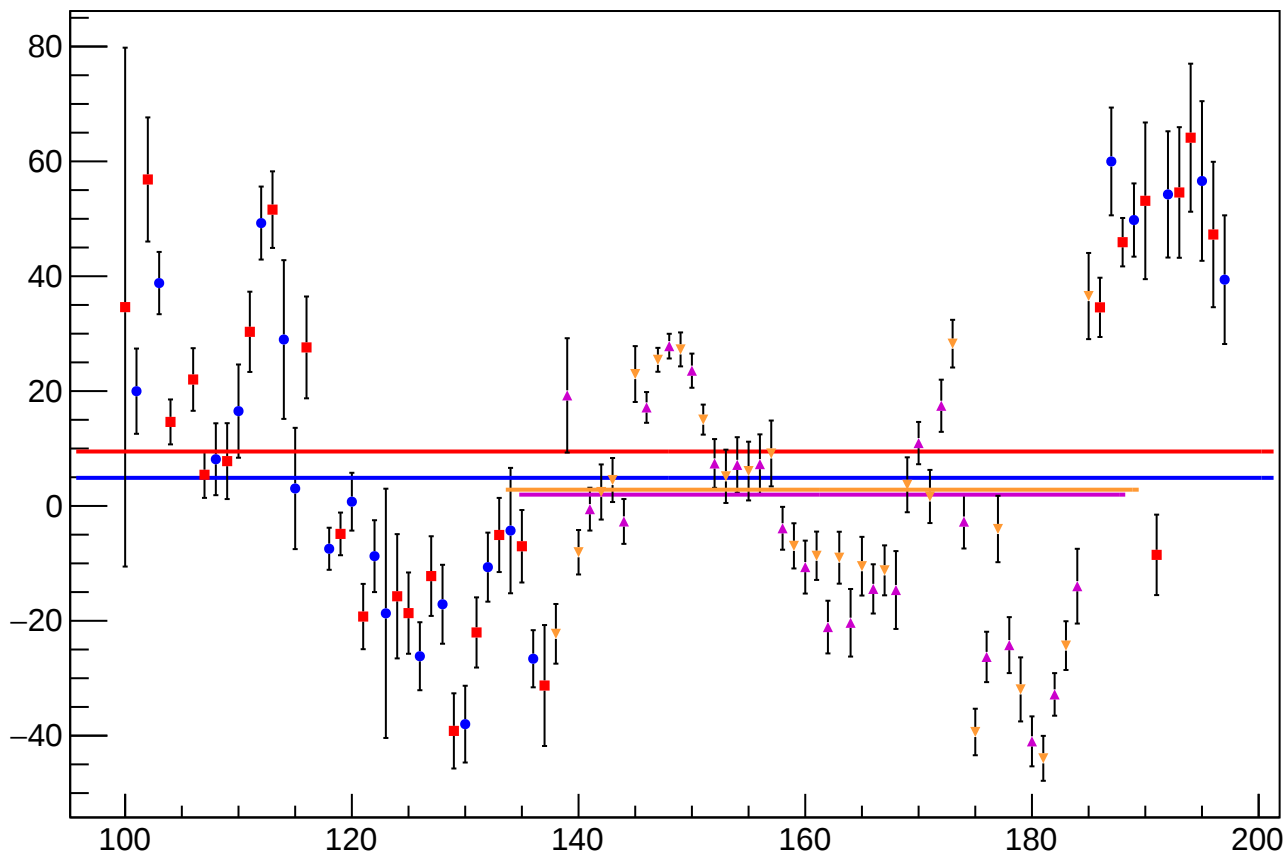
Left In: -221.483 ± 1.102 χ^2/NDF : 2149.8/22

+ sign -232.652 ± 1.034 χ^2/NDF : 4237.1/29

All: -238.706 ± 0.711 χ^2/NDF : 13108.8/59

- sign -244.147 ± 0.980 χ^2/NDF : 8806.6/29

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 4.893 ± 1.444 $\chi^2/\text{NDF}: 369.3/21$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 9.480 ± 1.241 $\chi^2/\text{NDF}: 418.6/25$

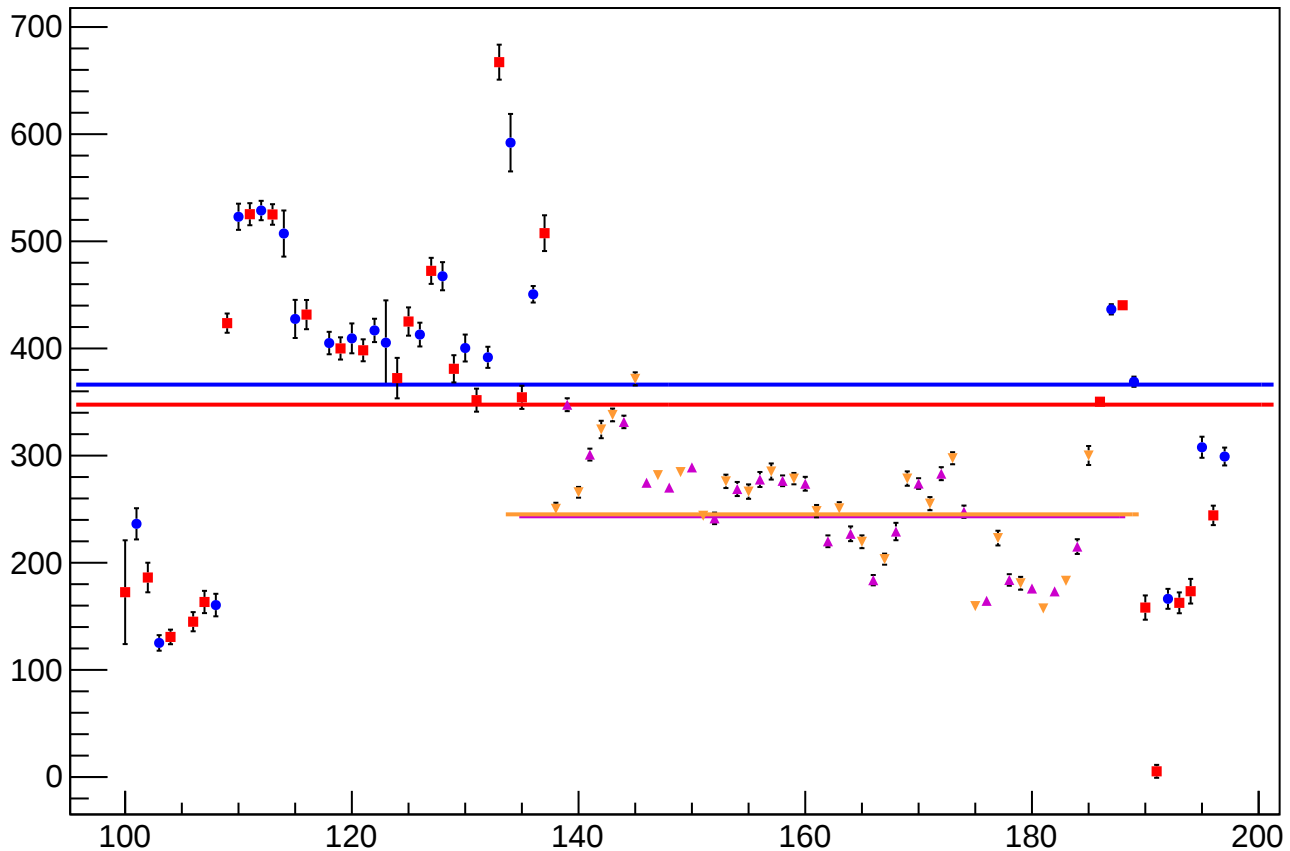
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 3.323 ± 0.704 $\chi^2/\text{NDF}: 1057.8/46$

All: 3.823 ± 0.494 $\chi^2/\text{NDF}: 2091.7/95$

- sign 4.308 ± 0.693 $\chi^2/\text{NDF}: 1032.9/48$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 366.266 $\pm$ 1.987 χ^2 /NDF: 3211.1/21

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF:2597.4/24

Right Out: 347.568 $\pm$ 1.452 χ^2 /NDF: 9075.1/25

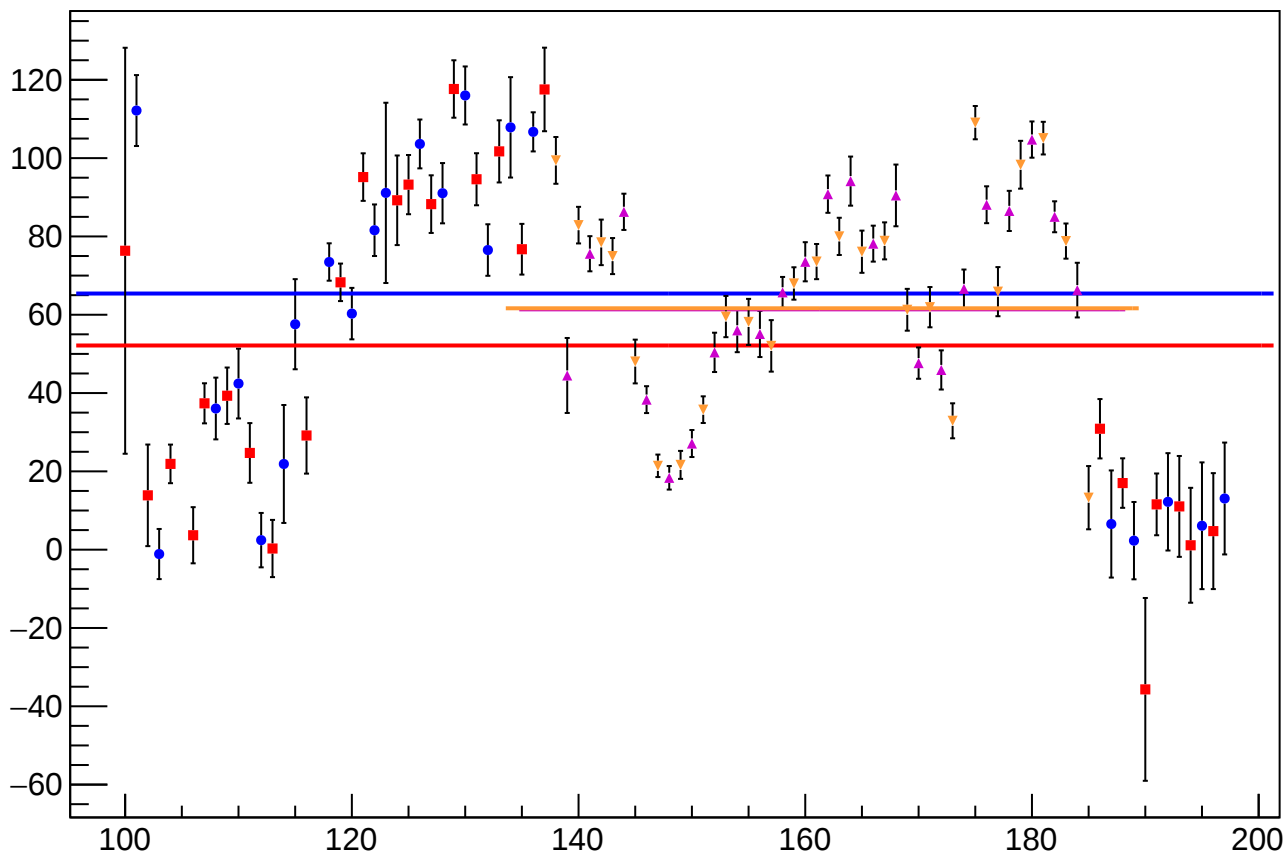
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF:2236.7/22

+ sign 272.868 $\pm$ 0.950 χ^2 /NDF: 8672.1/46

All: 277.320 $\pm$ 0.643 χ^2 /NDF: 23310.3/95

- sign 281.082 $\pm$ 0.874 χ^2 /NDF: 14597.7/48

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 65.418 $\pm$ 1.689 χ^2 /NDF: 538.6/21

Left Out: 61.647 $\pm$ 0.936 χ^2 /NDF: 871.5/24

Right Out: 52.147 $\pm$ 1.490 χ^2 /NDF: 621.6/25

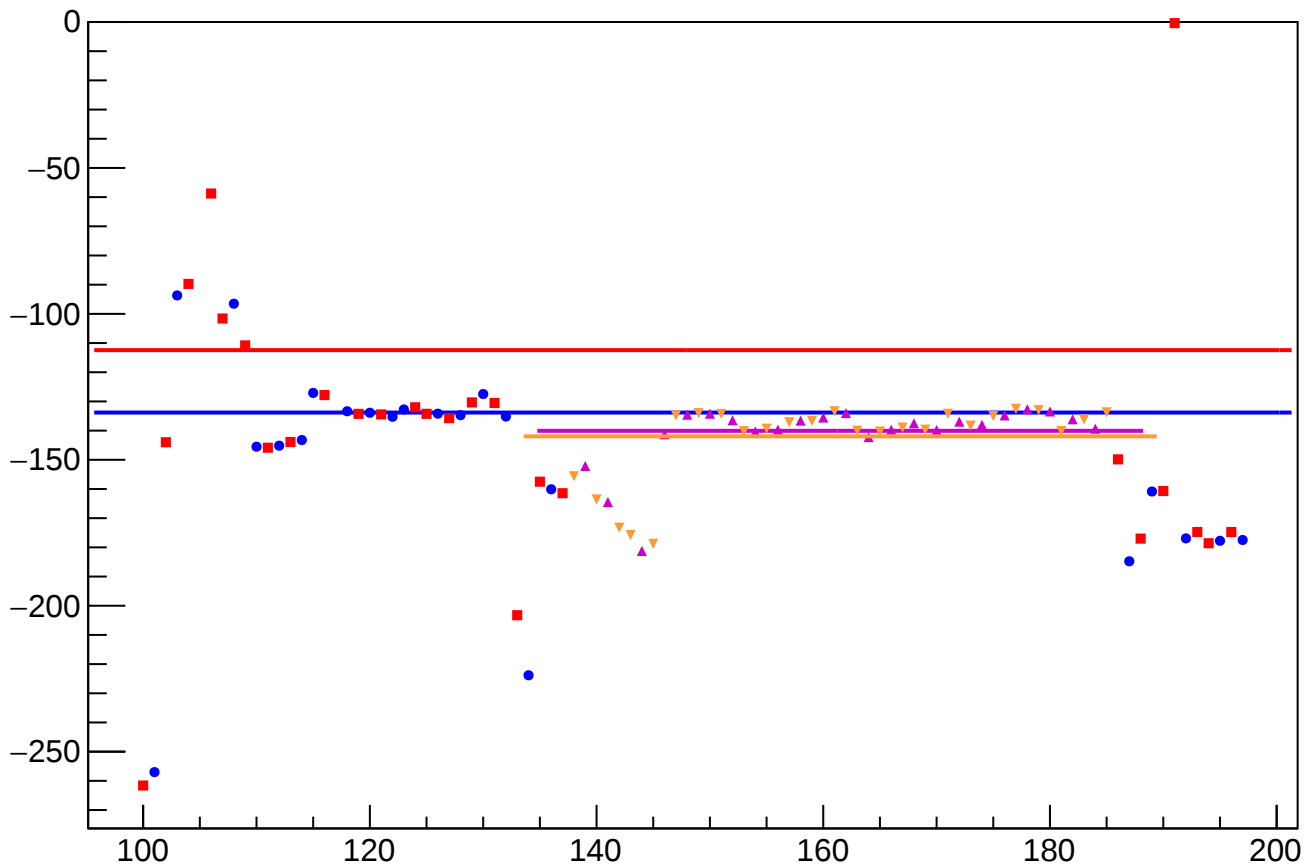
Left In: 61.375 $\pm$ 0.961 χ^2 /NDF: 699.7/22

+ sign 62.534 $\pm$ 0.819 χ^2 /NDF: 1414.0/46

All: 60.573 $\pm$ 0.575 χ^2 /NDF: 2773.7/95

- sign 58.664 $\pm$ 0.808 χ^2 /NDF: 1348.4/48

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -133.805 ± 0.083 $\chi^2/\text{NDF}: 207825.3/21$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -112.425 ± 0.071 $\chi^2/\text{NDF}: 550864.4/25$

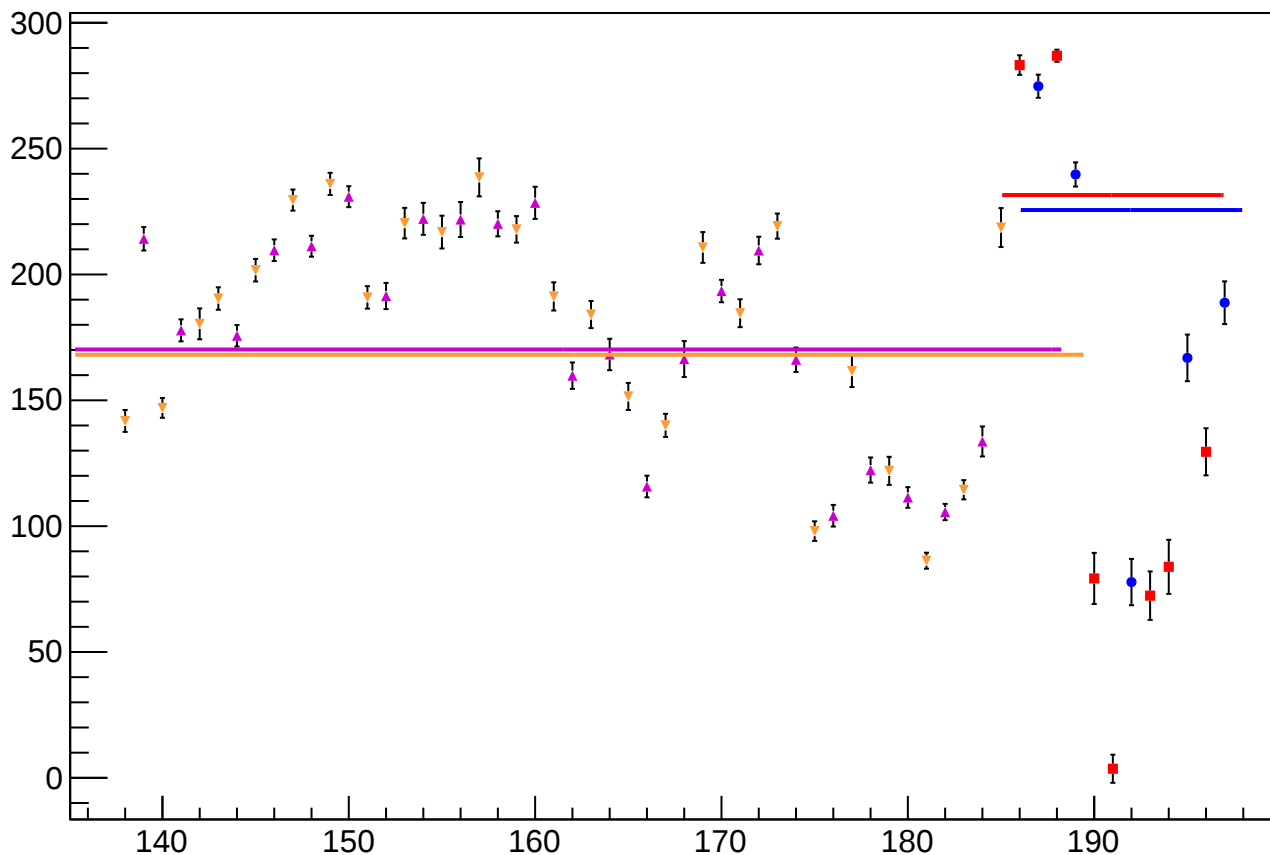
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -140.140 ± 0.039 $\chi^2/\text{NDF}: 295551.5/46$

All: -136.025 ± 0.027 $\chi^2/\text{NDF}: 1023179.8/95$

- sign -132.183 ± 0.038 $\chi^2/\text{NDF}: 706514.0/48$

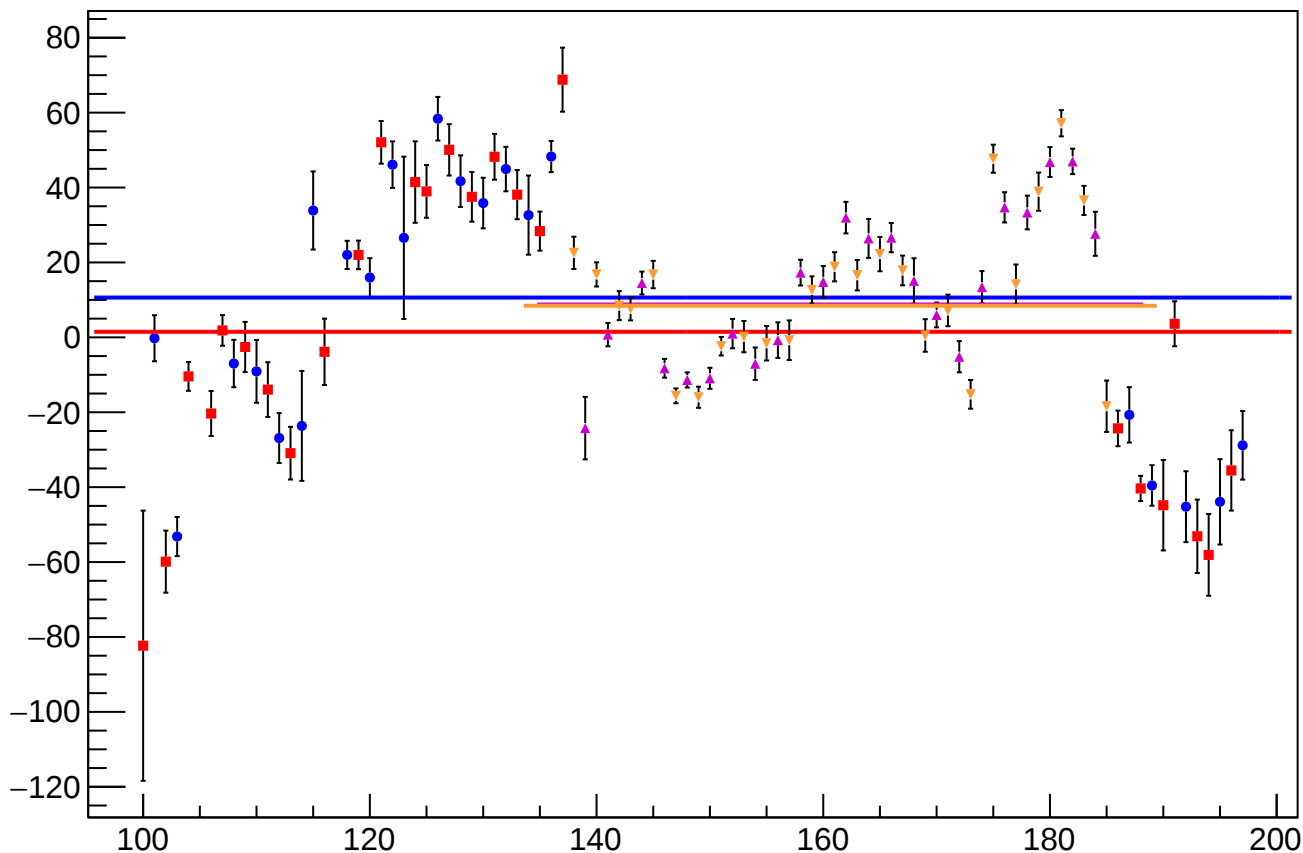
reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 225.605 ± 2.796 $\chi^2/\text{NDF}: 439.6/4$
 Left Out: 168.106 ± 0.970 $\chi^2/\text{NDF}: 2468.8/24$
 Right Out: 231.563 ± 1.793 $\chi^2/\text{NDF}: 3175.8/6$
 Left In: 170.198 ± 0.995 $\chi^2/\text{NDF}: 2024.5/22$

+ sign 174.285 ± 0.917 $\chi^2/\text{NDF}: 3285.8/29$
 All: 179.736 ± 0.631 $\chi^2/\text{NDF}: 9448.5/59$
 - sign 184.650 ± 0.870 $\chi^2/\text{NDF}: 6095.4/29$

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 10.625 ± 1.379 χ^2/NDF : 652.3/21

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: 1.481 ± 1.186 χ^2/NDF : 787.7/25

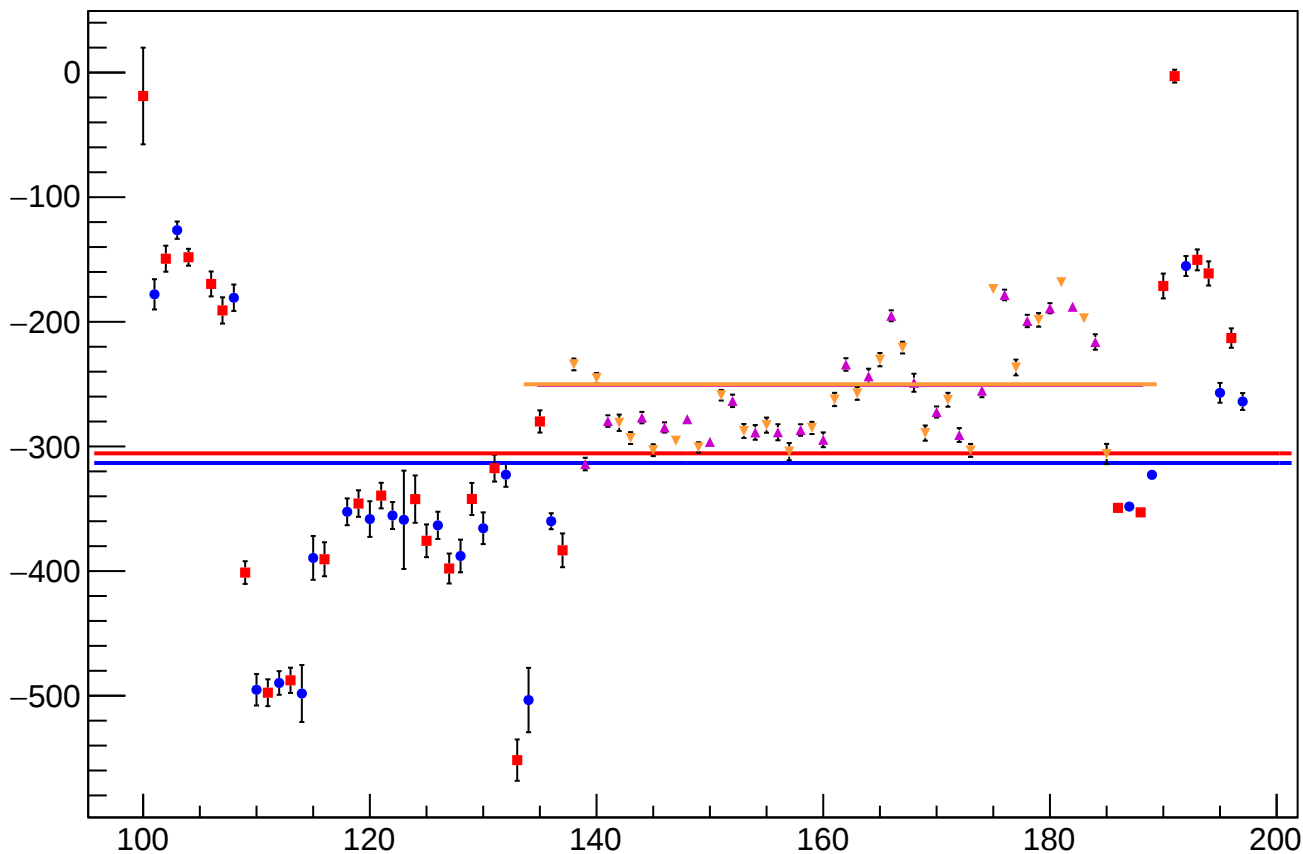
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 8.913 ± 0.644 χ^2/NDF : 1406.3/46

All: 7.775 ± 0.453 χ^2/NDF : 2853.8/95

- sign 6.654 ± 0.639 χ^2/NDF : 1441.3/48

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -313.254 ± 1.754 χ^2/NDF : 2444.6/21

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -305.529 ± 1.273 χ^2/NDF : 7410.6/25

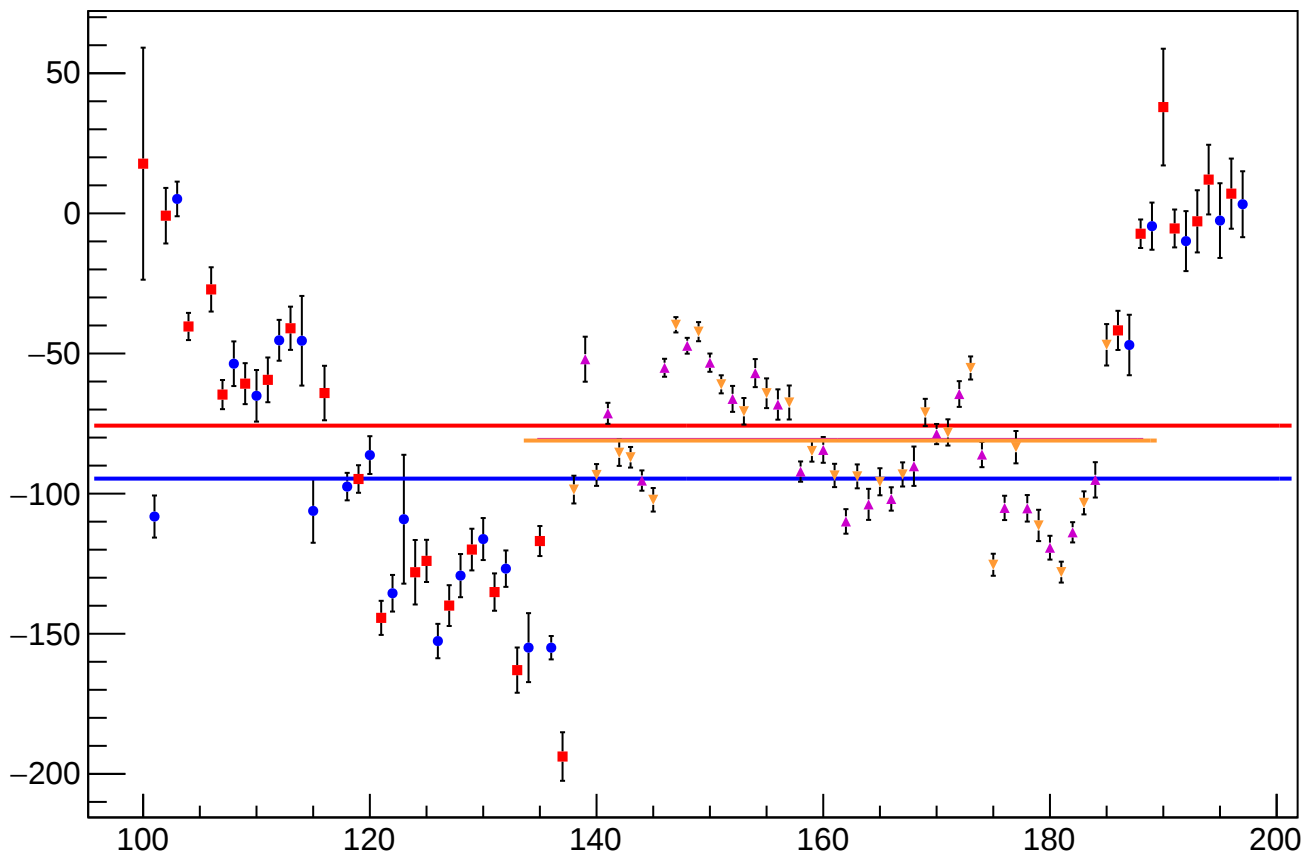
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -264.958 ± 0.850 χ^2/NDF : 5682.5/46

All: -268.407 ± 0.576 χ^2/NDF : 16218.9/95

- sign -271.322 ± 0.782 χ^2/NDF : 10506.0/48

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -94.641 ± 1.614 χ^2/NDF : 1087.7/21

Left Out: -81.057 ± 0.843 χ^2/NDF : 913.0/24

Right Out: -75.734 ± 1.430 χ^2/NDF : 1426.1/25

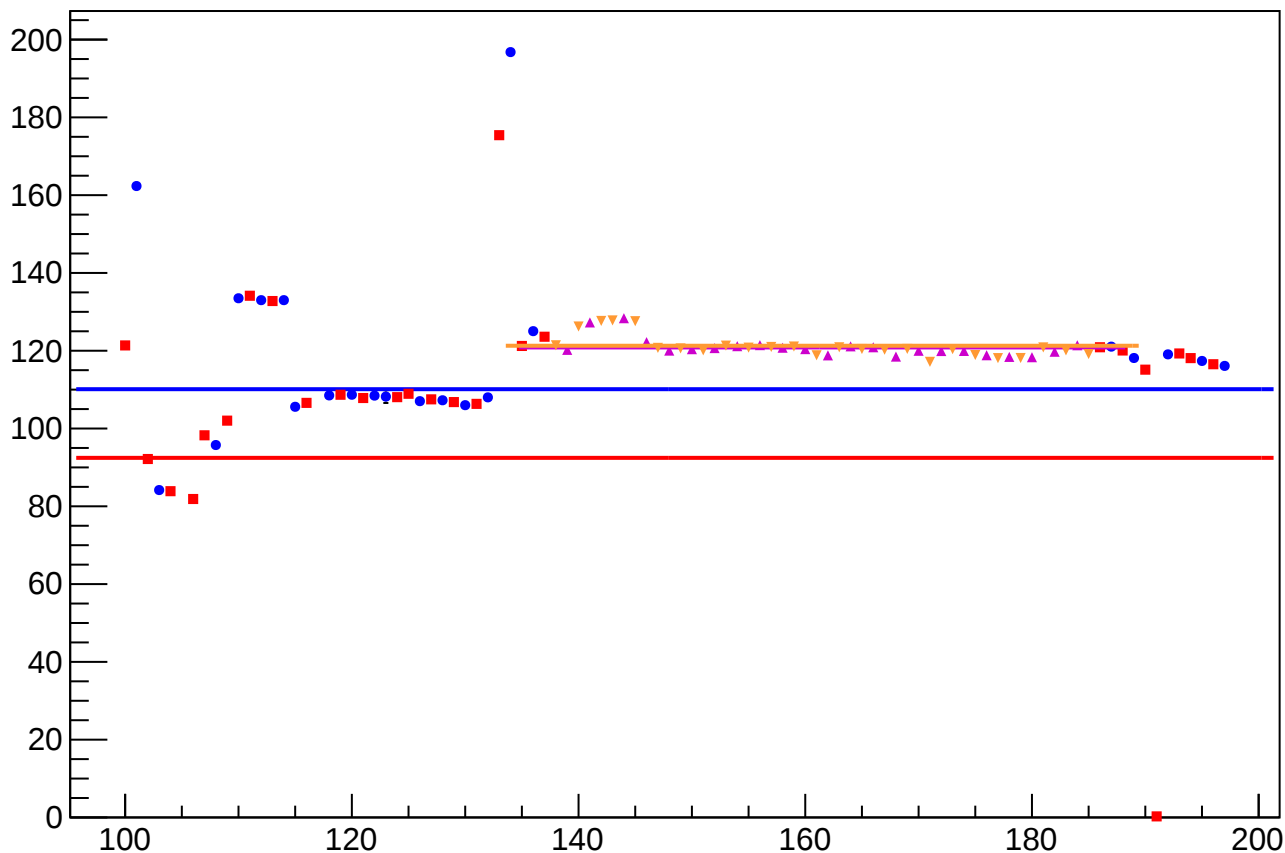
Left In: -80.834 ± 0.872 χ^2/NDF : 693.1/22

+ sign -83.970 ± 0.747 χ^2/NDF : 2056.4/46

All: -81.702 ± 0.527 χ^2/NDF : 4203.3/95

- sign -79.452 ± 0.744 χ^2/NDF : 2128.5/48

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.112 $\pm$ 0.077 χ^2 /NDF: 75541.5/21

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 92.459 $\pm$ 0.066 χ^2 /NDF: 345826.1/25

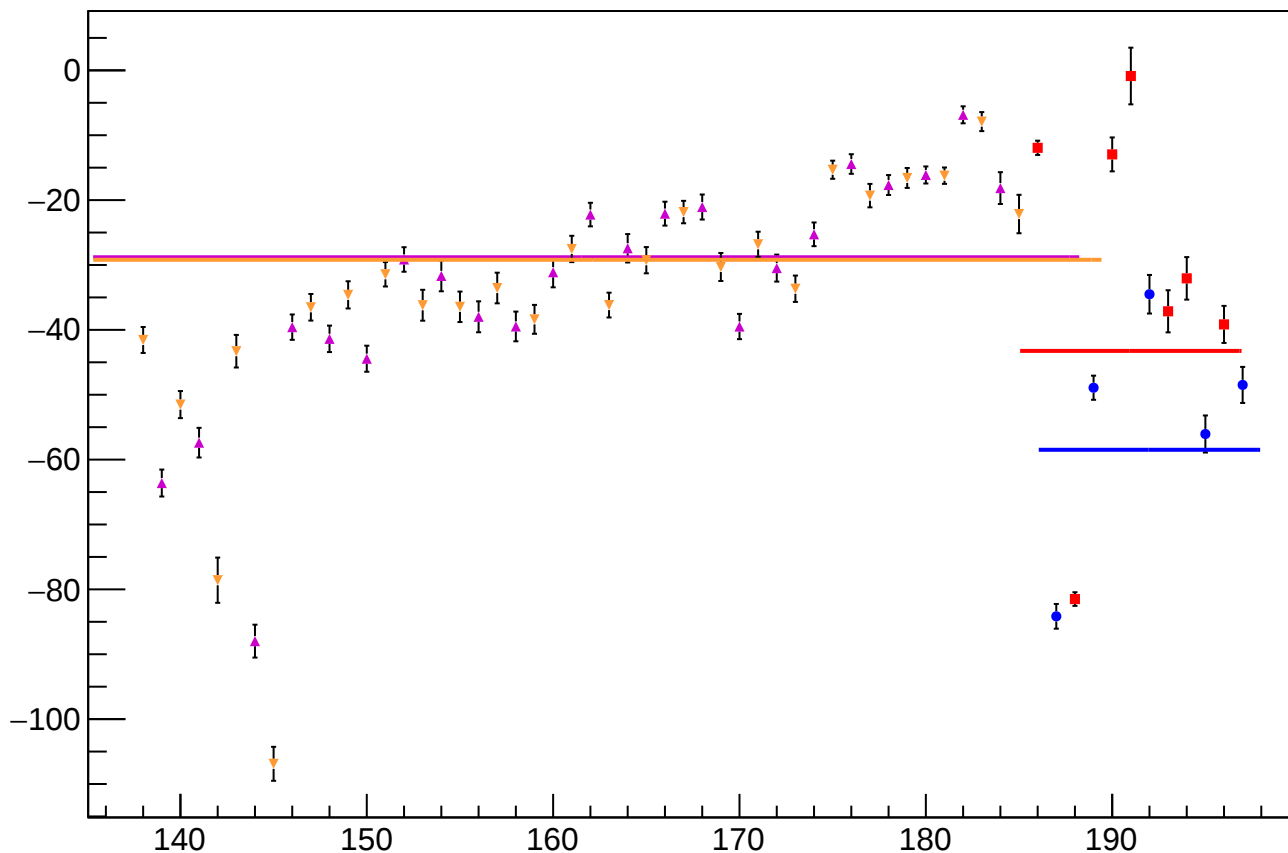
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 118.920 $\pm$ 0.036 χ^2 /NDF: 96894.5/46

All: 115.903 $\pm$ 0.025 χ^2 /NDF: 593736.1/95

- sign 113.045 $\pm$ 0.035 χ^2 /NDF: 482861.5/48

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -58.485 ± 1.037 χ^2/NDF : 286.5/4

Left Out: -29.199 ± 0.389 χ^2/NDF : 1881.5/24

Right Out: -43.243 ± 0.667 χ^2/NDF : 2387.2/6

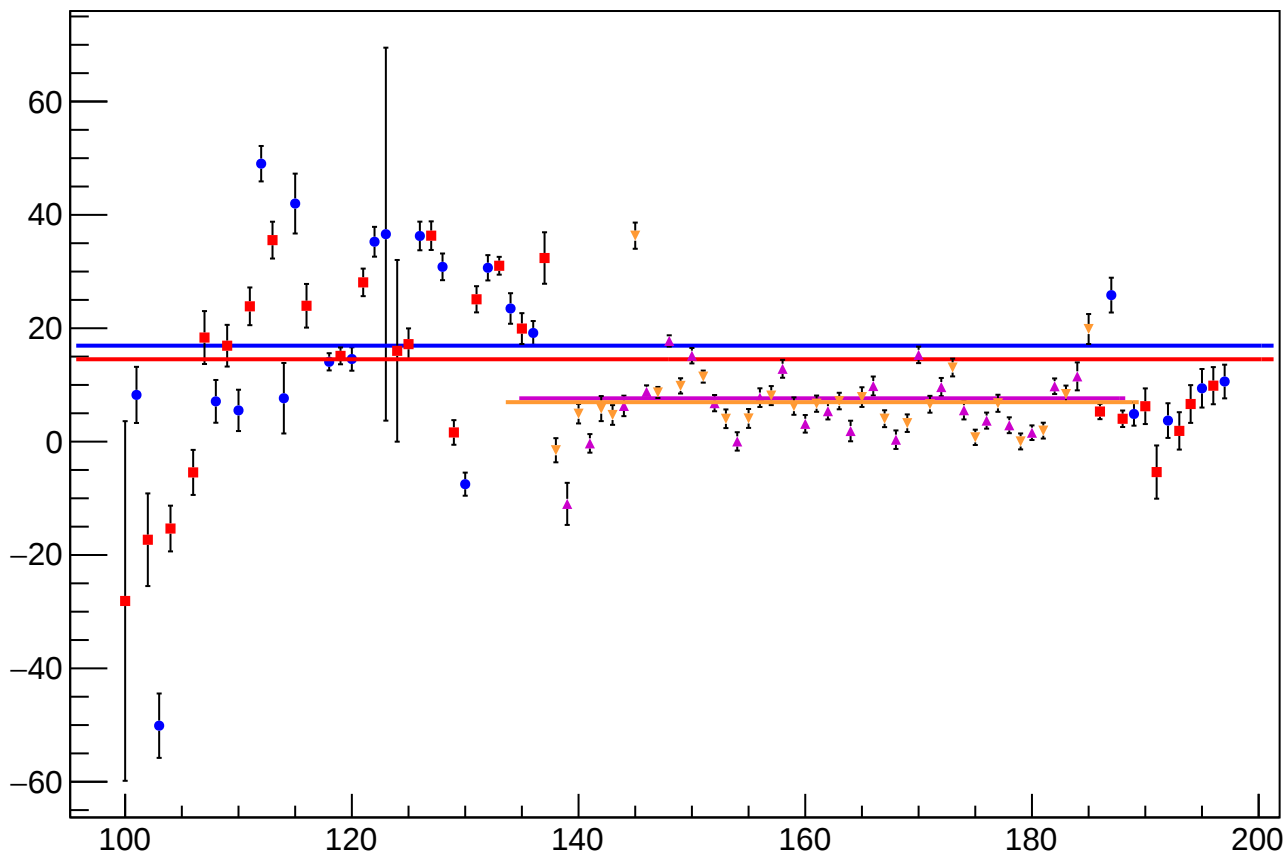
Left In: -28.810 ± 0.395 χ^2/NDF : 1763.8/22

+ sign -32.803 ± 0.364 χ^2/NDF : 2867.1/29

All: -32.674 ± 0.248 χ^2/NDF : 7364.8/59

- sign -32.561 ± 0.340 χ^2/NDF : 4497.4/29

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 16.928 ± 0.579 χ^2/NDF : 696.1/21

Left Out: 6.960 ± 0.303 χ^2/NDF : 321.3/24

Right Out: 14.527 ± 0.509 χ^2/NDF : 592.7/25

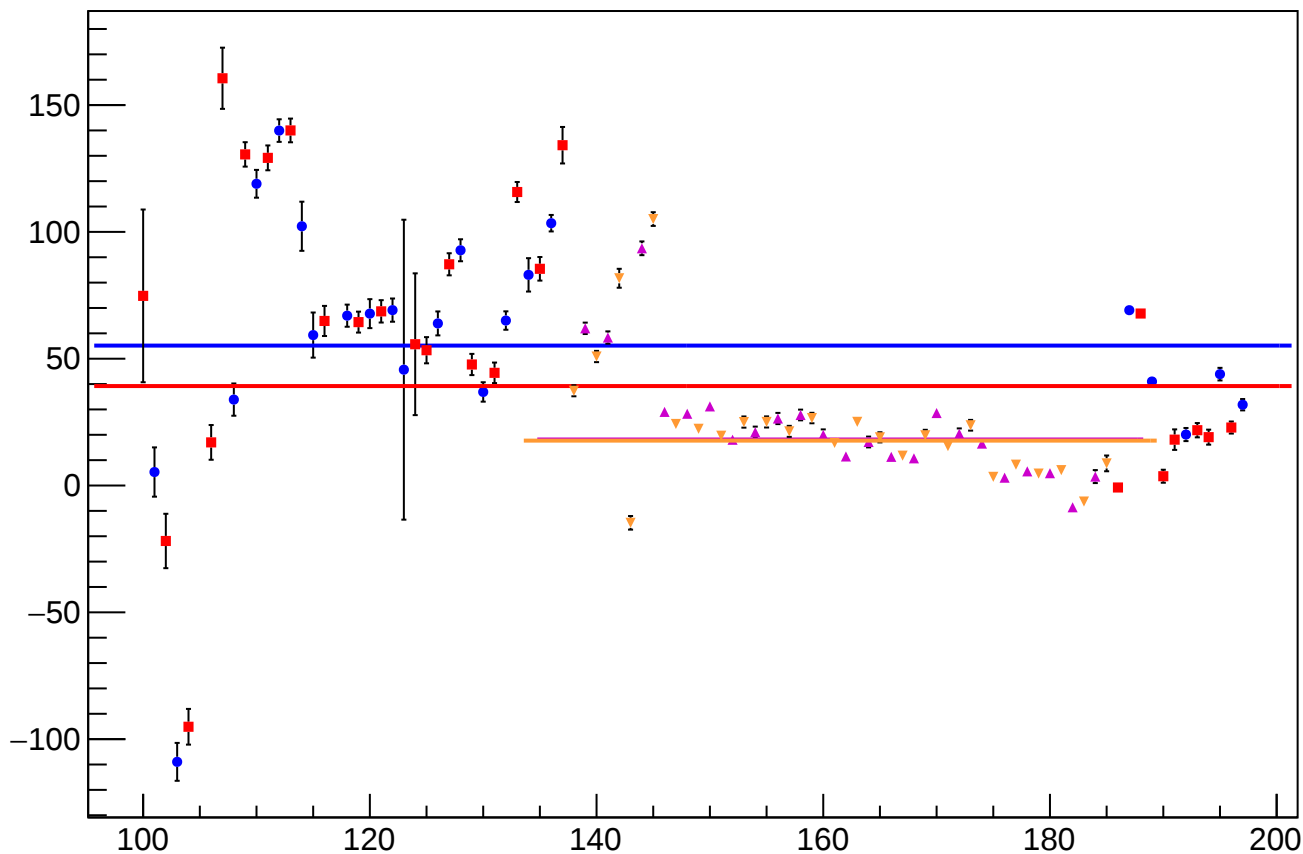
Left In: 7.638 ± 0.313 χ^2/NDF : 337.7/22

+ sign 9.104 ± 0.268 χ^2/NDF : 1250.3/46

All: 9.320 ± 0.189 χ^2/NDF : 2314.9/95

- sign 9.534 ± 0.267 χ^2/NDF : 1063.3/48

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 55.171 $\pm$ 0.712 χ^2 /NDF: 1884.6/21

Left Out: 17.705 $\pm$ 0.387 χ^2 /NDF: 2432.2/24

Right Out: 39.214 $\pm$ 0.500 χ^2 /NDF: 6127.2/25

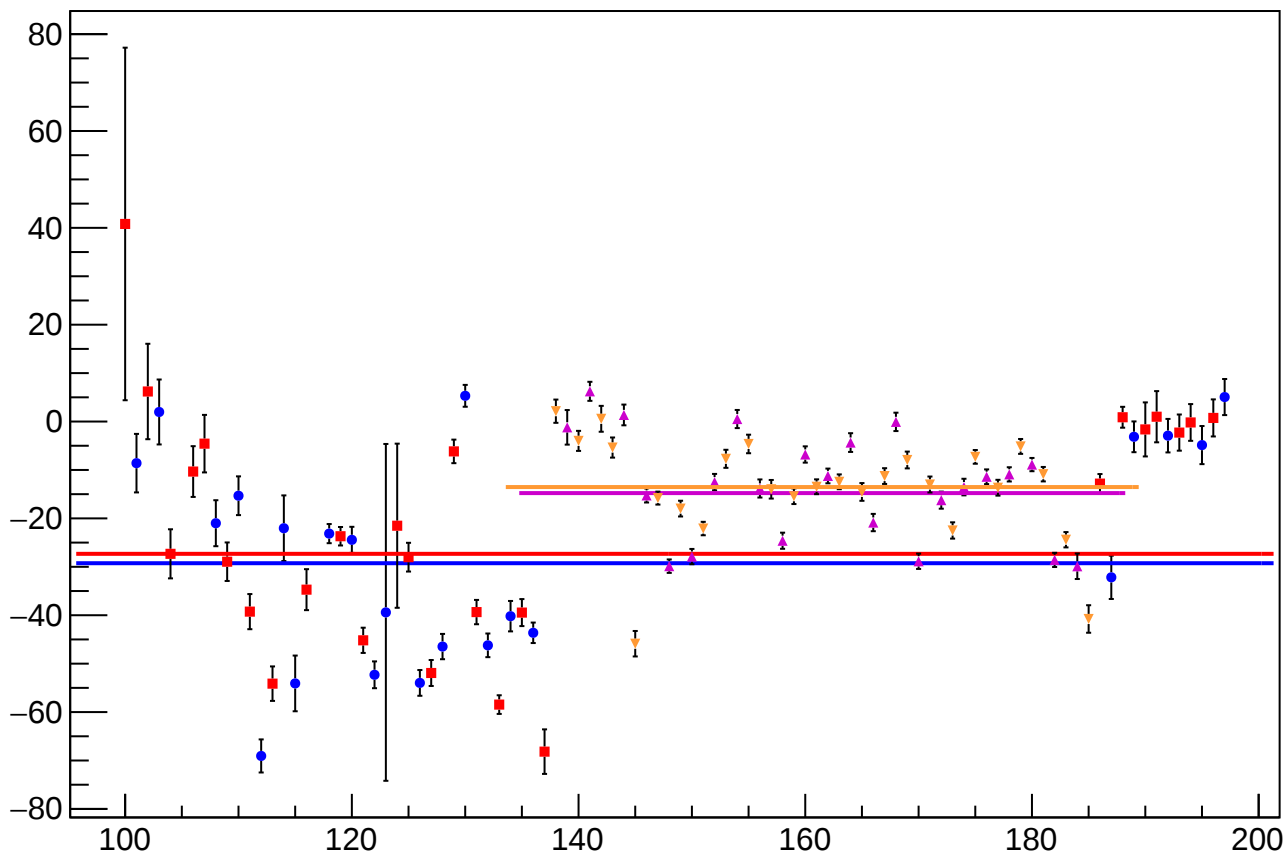
Left In: 18.150 $\pm$ 0.393 χ^2 /NDF: 2339.4/22

+ sign 26.264 $\pm$ 0.340 χ^2 /NDF: 6455.3/46

All: 26.215 $\pm$ 0.229 χ^2 /NDF: 16018.8/95

- sign 26.175 $\pm$ 0.309 χ^2 /NDF: 9563.5/48

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -29.258 ± 0.680 $\chi^2/\text{NDF}: 1006.1/21$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -27.319 ± 0.622 $\chi^2/\text{NDF}: 1128.2/25$

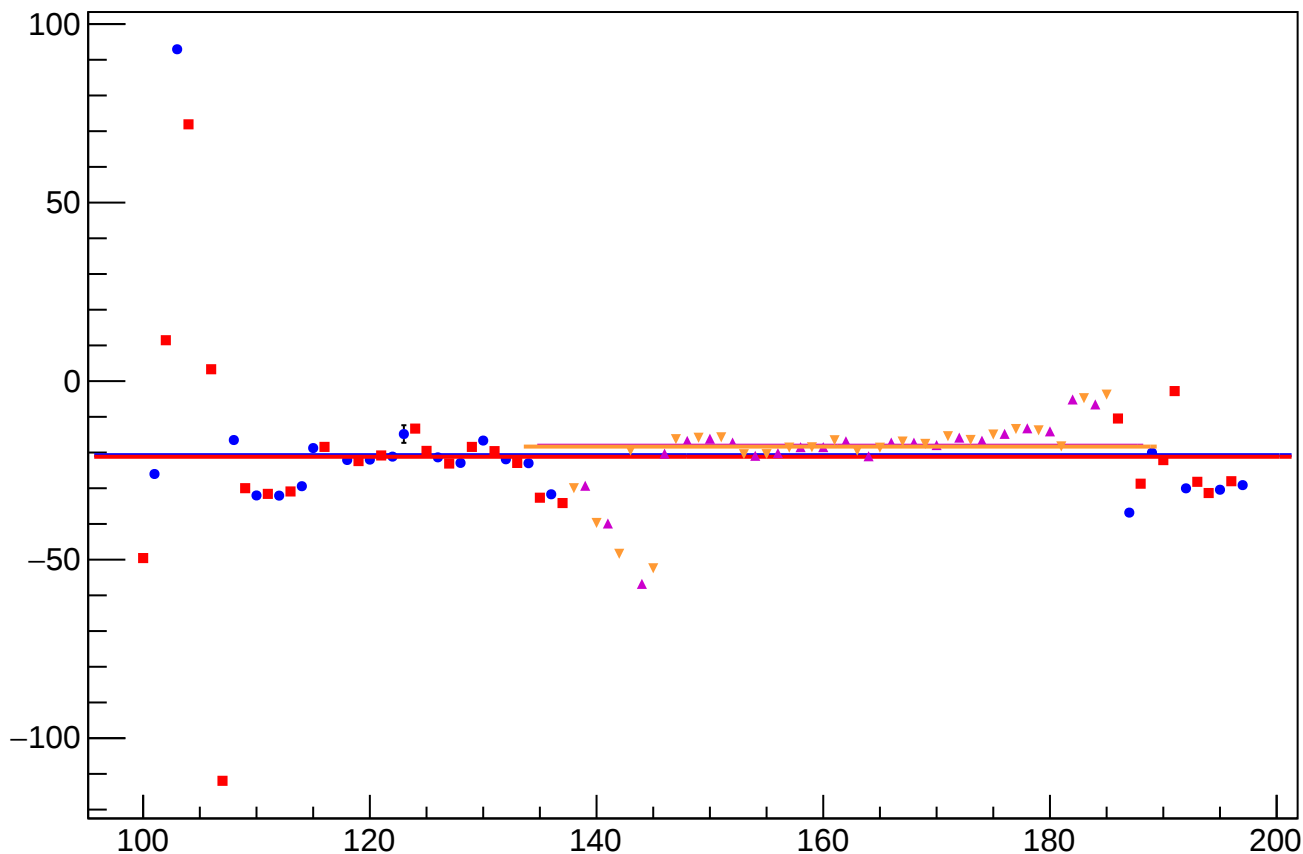
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -16.739 ± 0.307 $\chi^2/\text{NDF}: 2005.1/46$

All: -17.293 ± 0.217 $\chi^2/\text{NDF}: 4285.2/95$

- sign -17.850 ± 0.308 $\chi^2/\text{NDF}: 2273.5/48$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.735 ± 0.036 χ^2/NDF : 506161.7/21

Left Out: -18.334 ± 0.016 χ^2/NDF : 284152.1/24

Right Out: -21.186 ± 0.033 χ^2/NDF : 478715.0/25

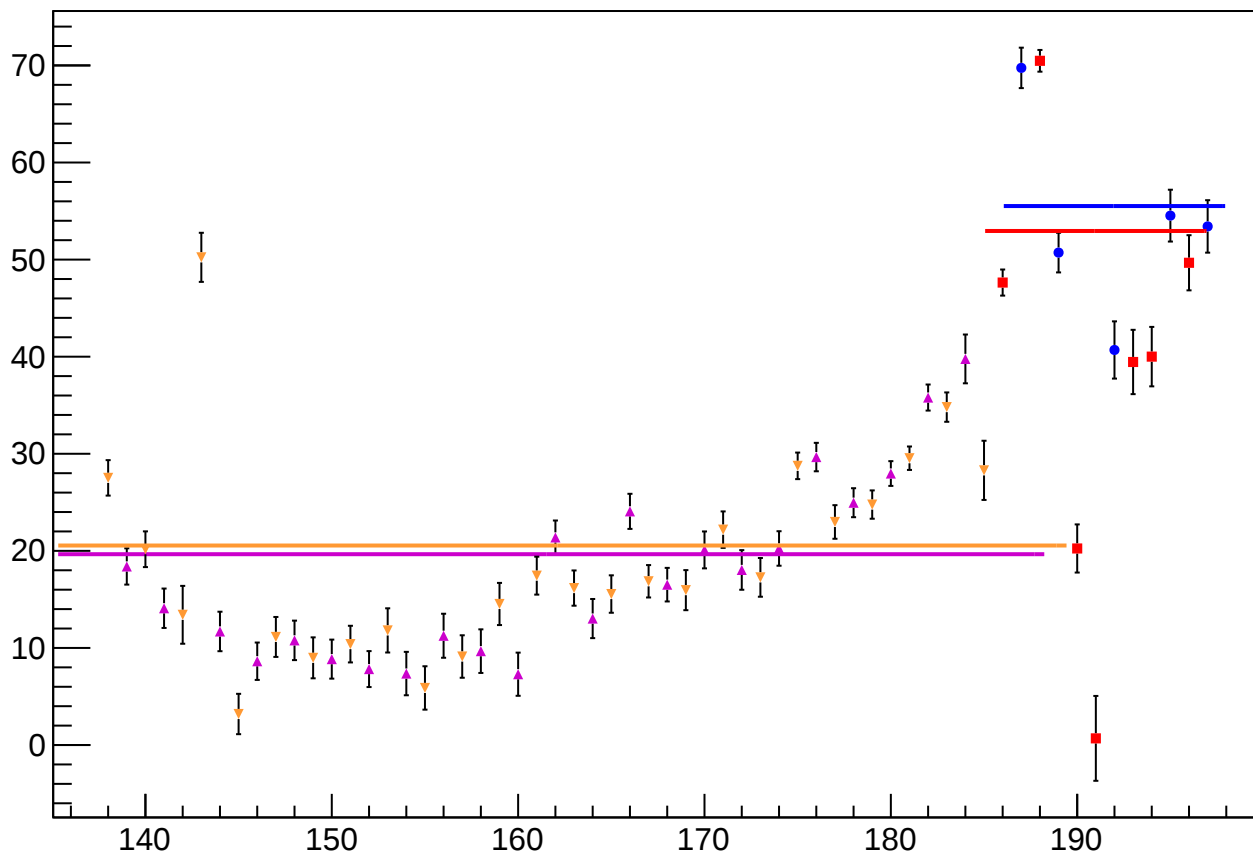
Left In: -18.083 ± 0.016 χ^2/NDF : 241949.5/22

+ sign -18.728 ± 0.014 χ^2/NDF : 794081.1/46

All: -18.706 ± 0.010 χ^2/NDF : 1521959.0/95

- sign -18.685 ± 0.014 χ^2/NDF : 727873.5/48

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 55.516 $\pm$ 1.076 χ^2 /NDF: 78.2/4

Left Out: 20.550 $\pm$ 0.373 χ^2 /NDF: 626.4/24

Right Out: 52.948 $\pm$ 0.727 χ^2 /NDF: 614.0/6

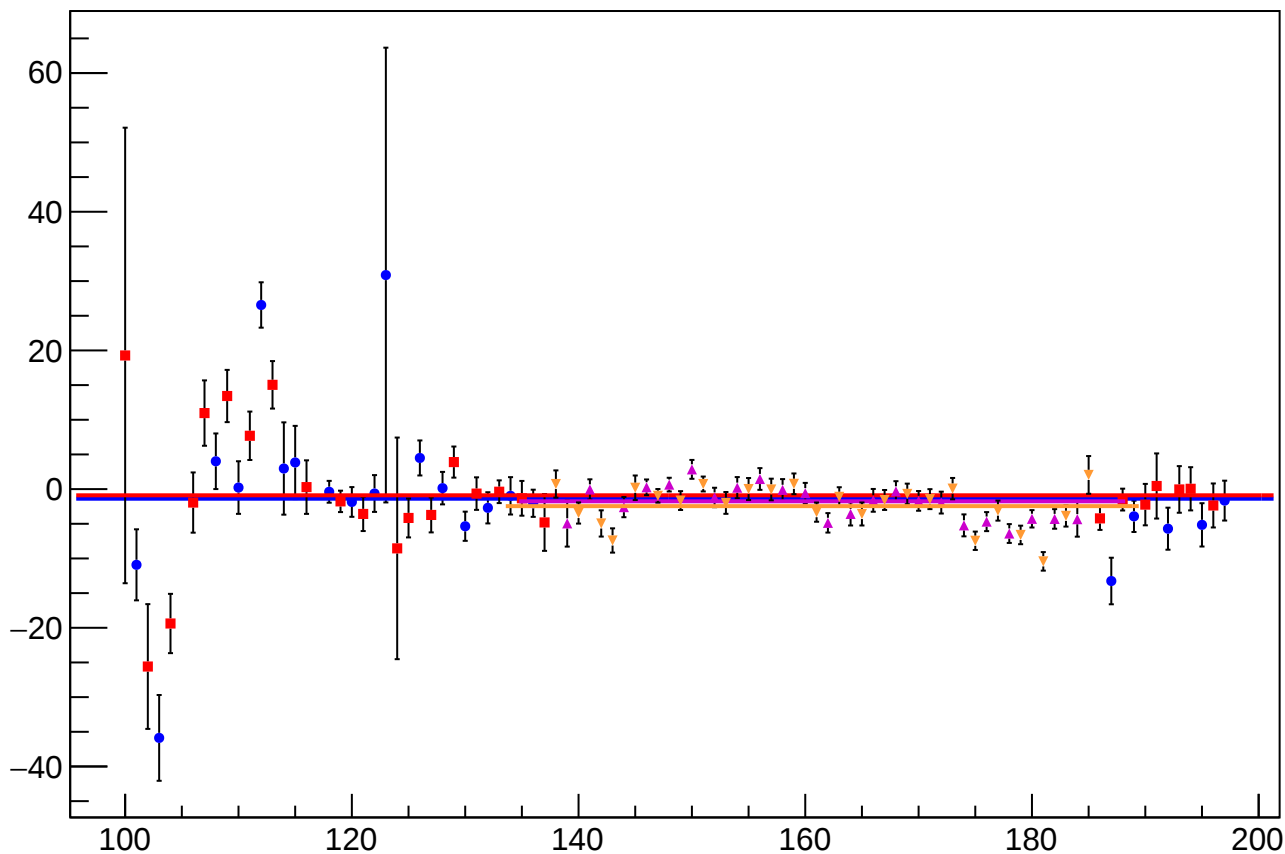
Left In: 19.656 $\pm$ 0.380 χ^2 /NDF: 571.8/22

+ sign 24.299 $\pm$ 0.352 χ^2 /NDF: 1646.5/29

All: 25.609 $\pm$ 0.244 χ^2 /NDF: 4504.0/59

- sign 26.807 $\pm$ 0.337 χ^2 /NDF: 2831.1/29

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.384 ± 0.588 χ^2/NDF : 139.5/21

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -0.892 ± 0.532 χ^2/NDF : 90.0/25

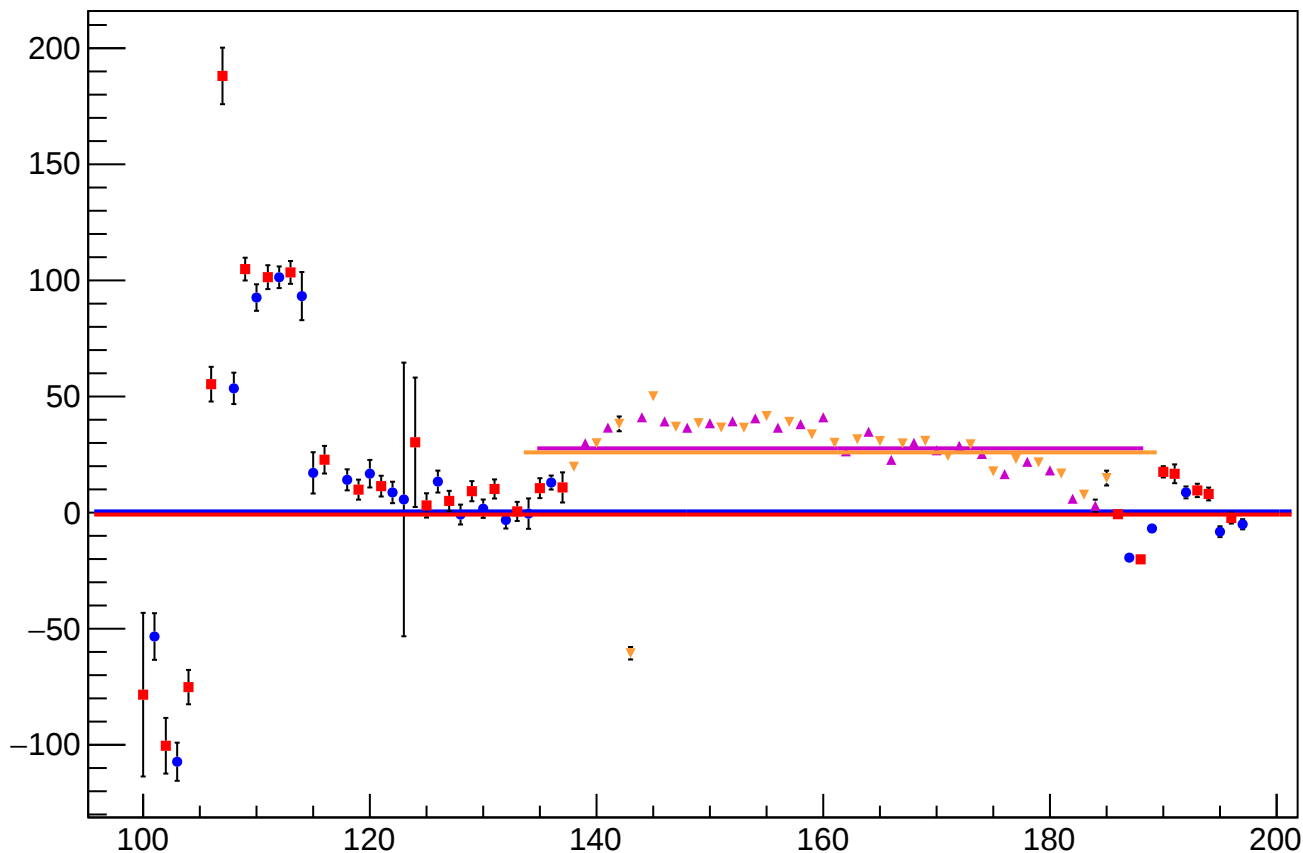
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.243 ± 0.262 χ^2/NDF : 248.1/46

All: -1.896 ± 0.185 χ^2/NDF : 411.1/95

- sign -1.547 ± 0.263 χ^2/NDF : 159.4/48

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 0.518 ± 0.734 χ^2/NDF : 1303.1/21

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -0.833 ± 0.543 χ^2/NDF : 2393.4/25

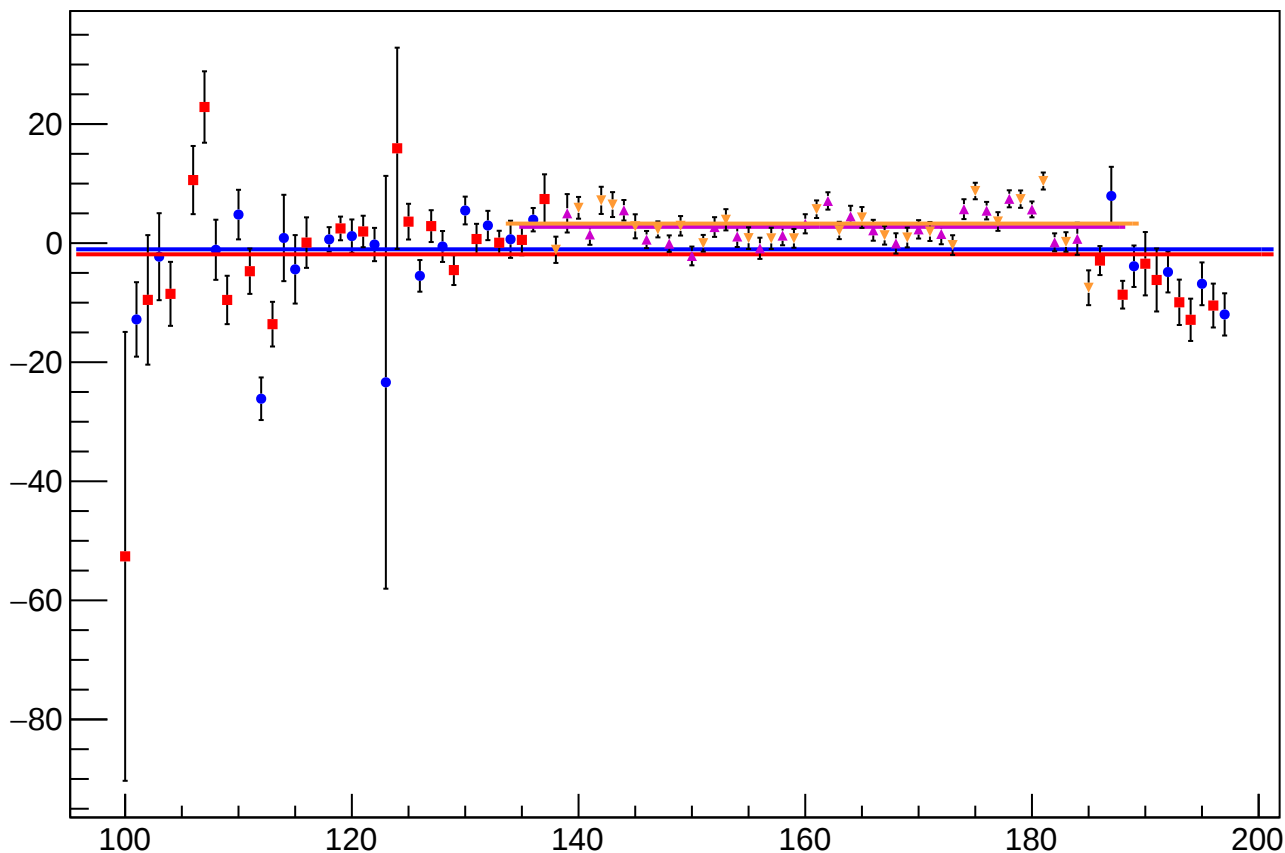
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 20.739 ± 0.332 χ^2/NDF : 3968.0/46

All: 19.468 ± 0.227 χ^2/NDF : 9049.8/95

- sign 18.358 ± 0.310 χ^2/NDF : 5054.4/48

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.035 ± 0.685 χ^2/NDF : 94.3/21

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -1.879 ± 0.642 χ^2/NDF : 92.1/25

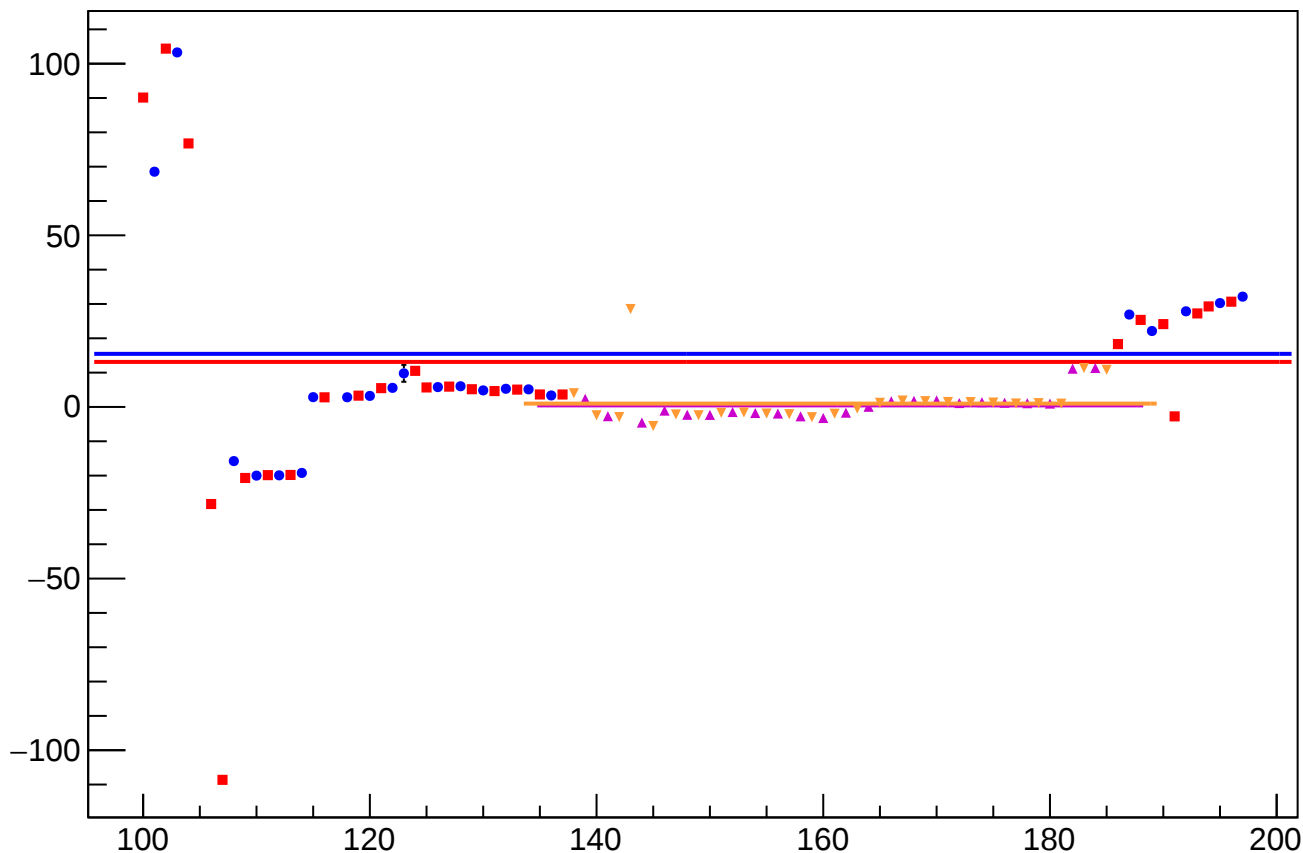
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.464 ± 0.298 χ^2/NDF : 228.8/46

All: 2.097 ± 0.212 χ^2/NDF : 428.7/95

- sign 1.722 ± 0.301 χ^2/NDF : 196.9/48

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 15.469 $\pm$ 0.035 χ^2 /NDF: 443421.6/21

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF: 117391.3/24

Right Out: 13.122 $\pm$ 0.033 χ^2 /NDF: 645802.8/25

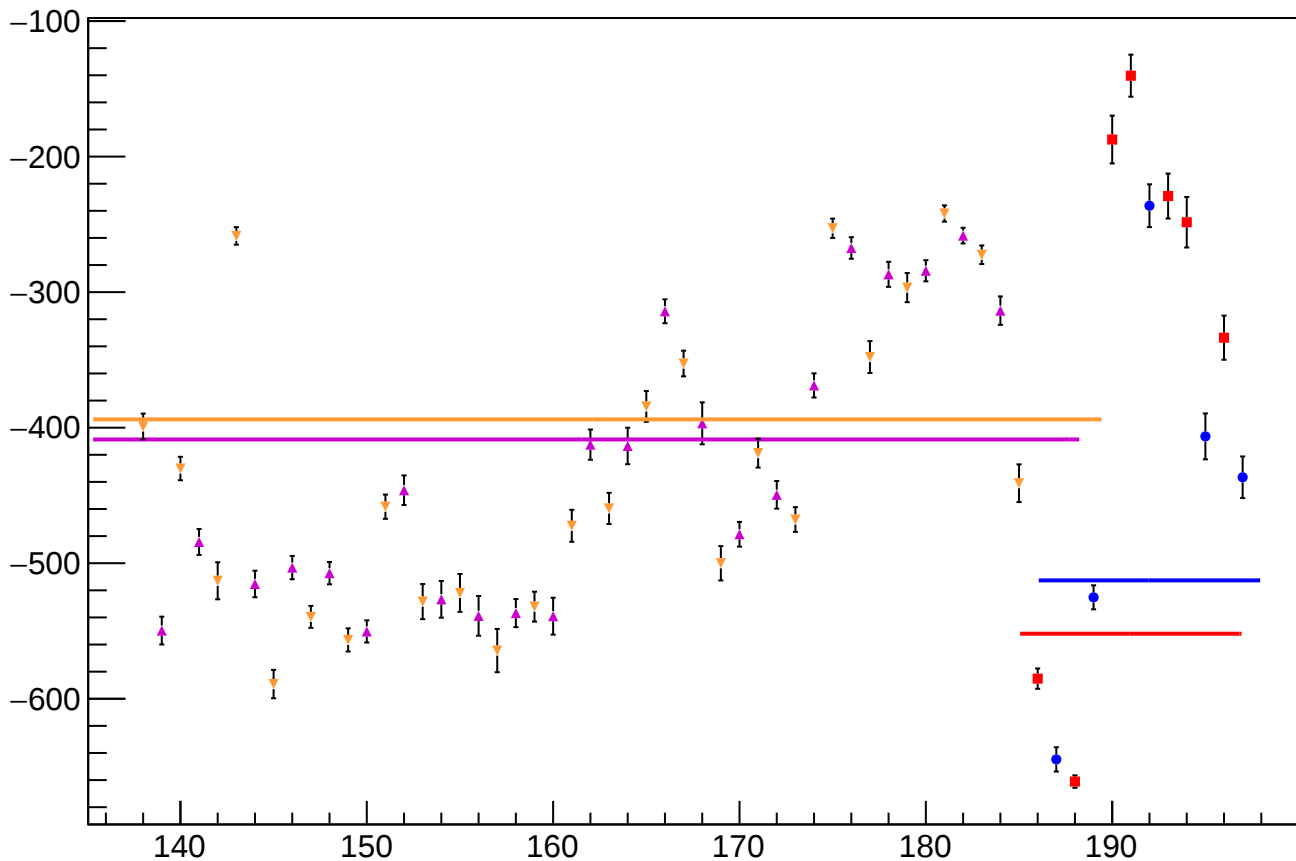
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF: 50699.8/22

+ sign 3.242 $\pm$ 0.014 χ^2 /NDF: 702874.4/46

All: 2.979 $\pm$ 0.010 χ^2 /NDF: 1520571.1/95

- sign 2.715 $\pm$ 0.014 χ^2 /NDF: 816987.6/48

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -512.669 $\pm$ 5.204 χ^2 /NDF: 589.5/4

Left Out: -393.871 $\pm$ 1.897 χ^2 /NDF:3772.8/24

Right Out: -552.010 $\pm$ 3.474 χ^2 /NDF: 2540.7/6

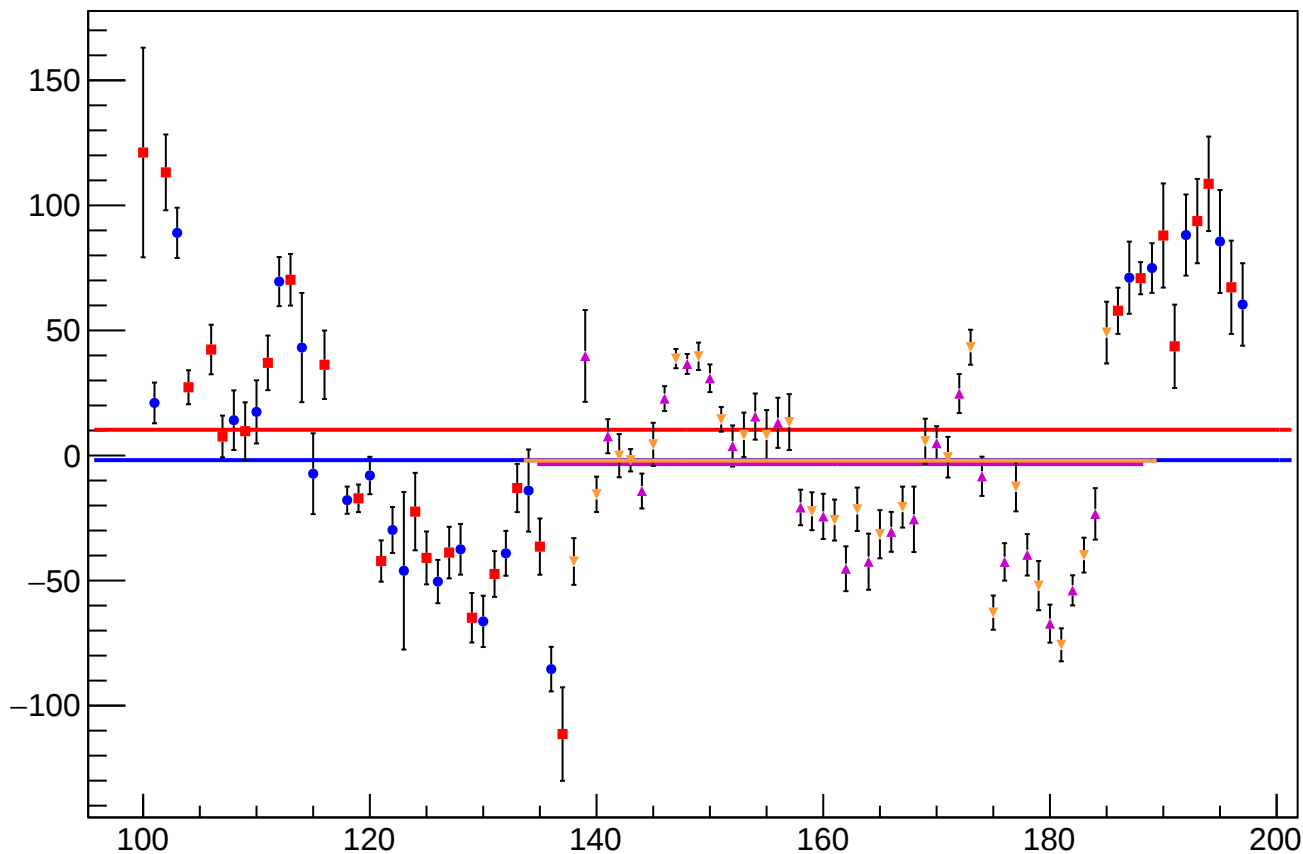
Left In: -408.696 $\pm$ 1.979 χ^2 /NDF:3062.9/22

+ sign -407.804 $\pm$ 1.782 χ^2 /NDF: 4822.3/29

All: -426.448 $\pm$ 1.238 χ^2 /NDF: 11921.8/59

- sign -443.803 $\pm$ 1.720 χ^2 /NDF: 6888.3/29

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -1.852 ± 2.207 χ^2/NDF : 509.2/21

Left Out: -2.037 ± 1.424 χ^2/NDF : 563.8/24

Right Out: 10.291 ± 2.014 χ^2/NDF : 586.4/25

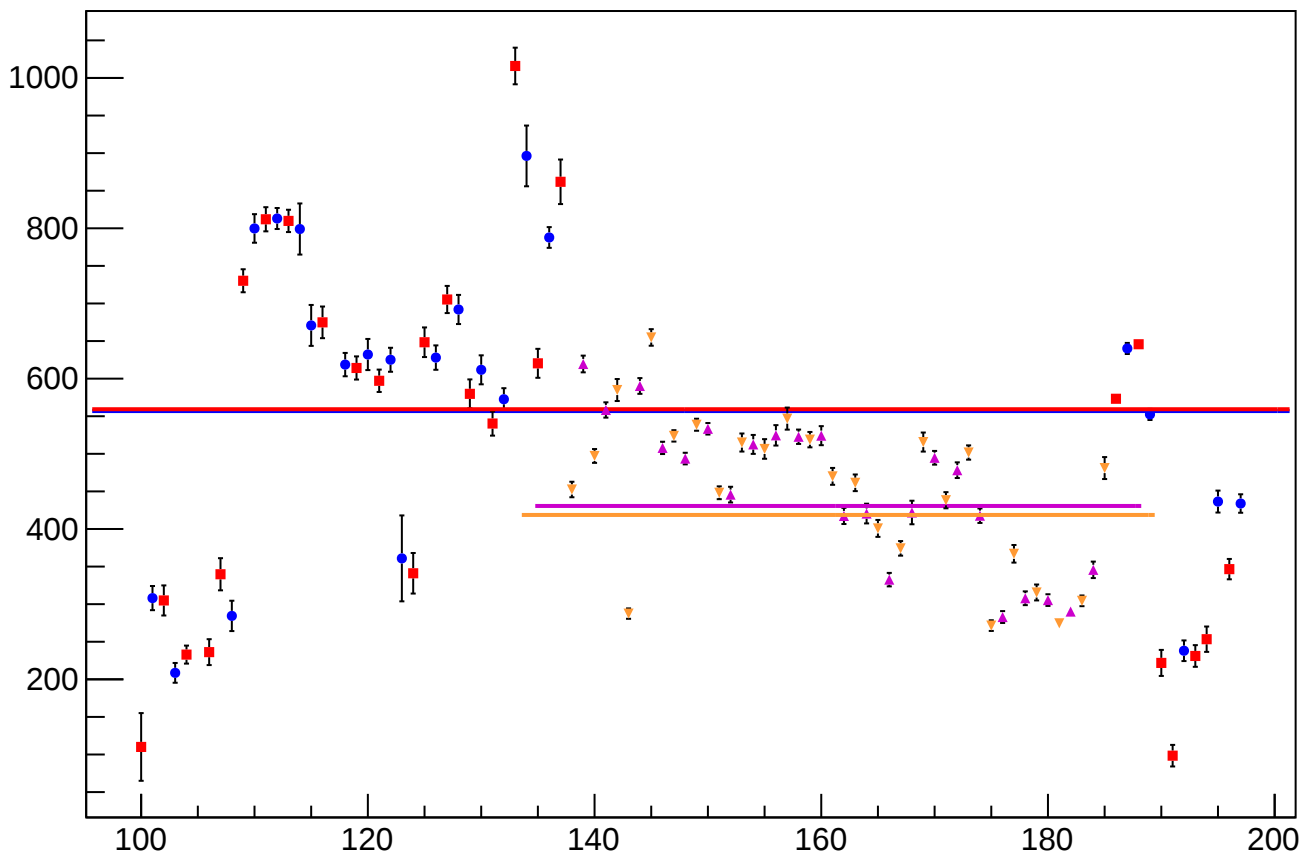
Left In: -3.420 ± 1.520 χ^2/NDF : 451.0/22

+ sign -1.983 ± 1.197 χ^2/NDF : 1072.9/46

All: -0.237 ± 0.852 χ^2/NDF : 2144.2/95

- sign 1.557 ± 1.213 χ^2/NDF : 1066.9/48

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 556.869 ± 3.073 χ^2/NDF : 3012.6/21

Left Out: 418.680 ± 1.905 χ^2/NDF : 3296.5/24

Right Out: 559.326 ± 2.347 χ^2/NDF : 5844.7/25

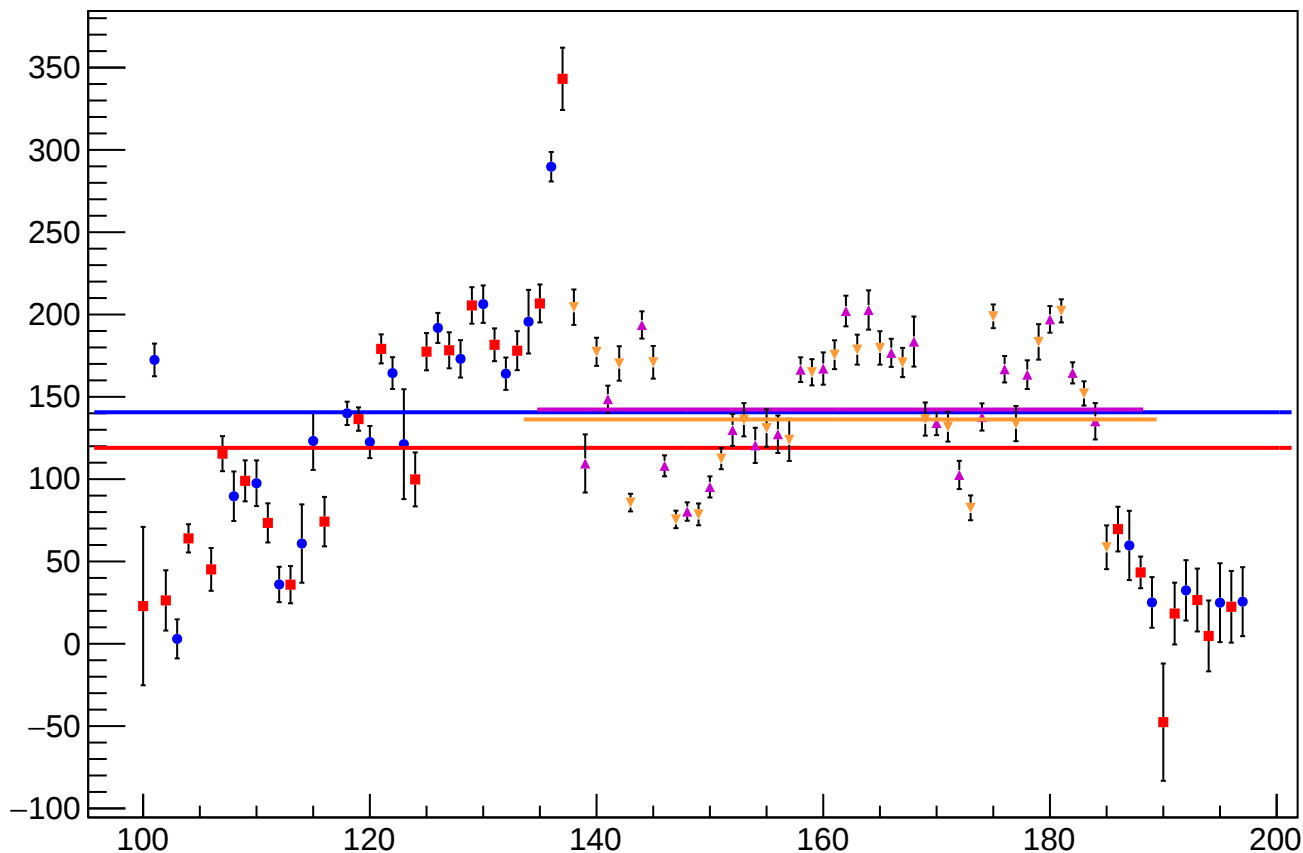
Left In: 430.640 ± 1.971 χ^2/NDF : 2850.6/22

+ sign 457.047 ± 1.619 χ^2/NDF : 7770.2/46

All: 471.393 ± 1.104 χ^2/NDF : 18375.6/95

- sign 483.858 ± 1.509 χ^2/NDF : 10458.6/48

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 140.623 ± 2.590 $\chi^2/\text{NDF}: 807.3/21$

Left Out: 136.258 ± 1.651 $\chi^2/\text{NDF}: 758.3/24$

Right Out: 119.020 ± 2.407 $\chi^2/\text{NDF}: 813.1/25$

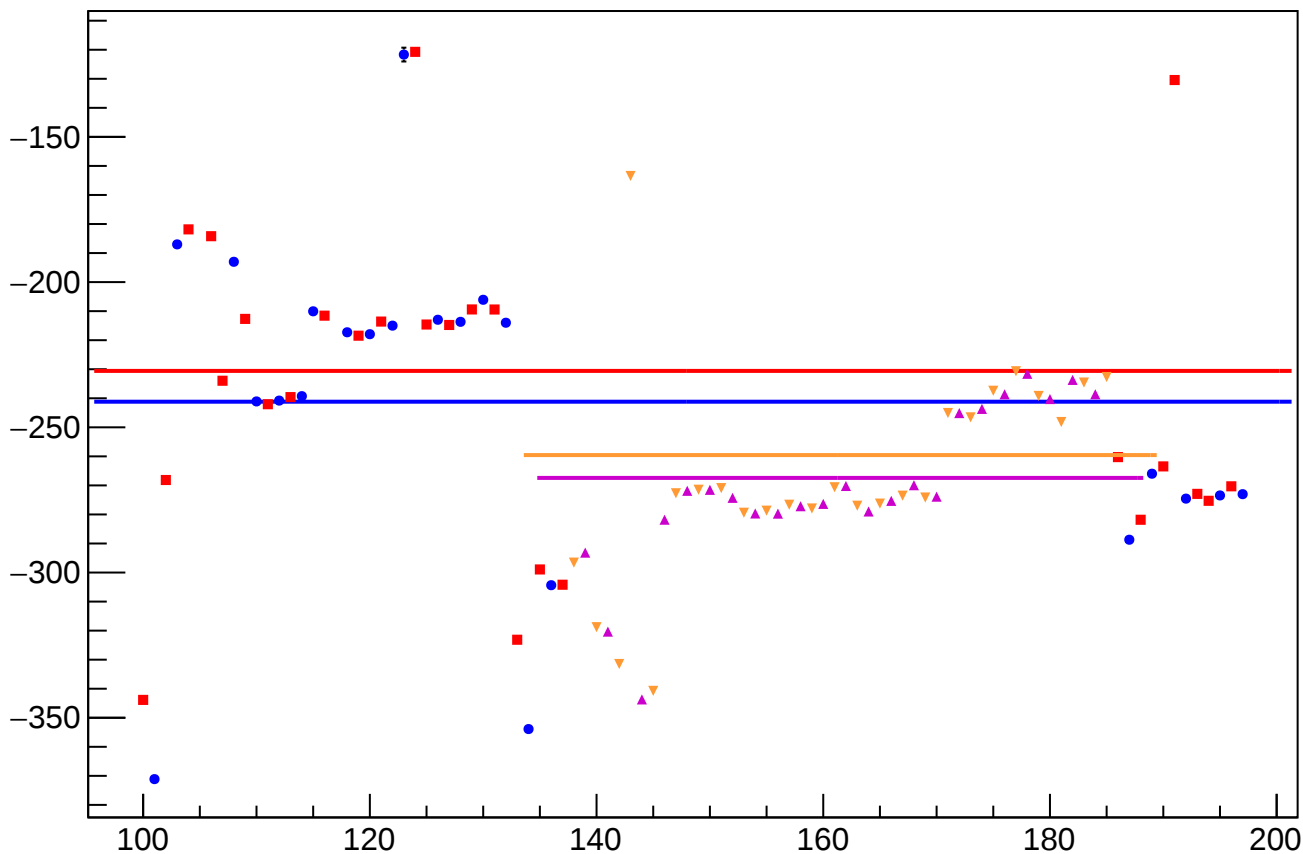
Left In: 142.296 ± 1.745 $\chi^2/\text{NDF}: 459.8/22$

+ sign 137.520 ± 1.392 $\chi^2/\text{NDF}: 1567.6/46$

All: 135.924 ± 0.992 $\chi^2/\text{NDF}: 2904.4/95$

- sign 134.281 ± 1.413 $\chi^2/\text{NDF}: 1334.2/48$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -241.179 ± 0.136 $\chi^2/\text{NDF}: 156891.3/21$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -230.575 ± 0.122 $\chi^2/\text{NDF}: 163200.5/25$

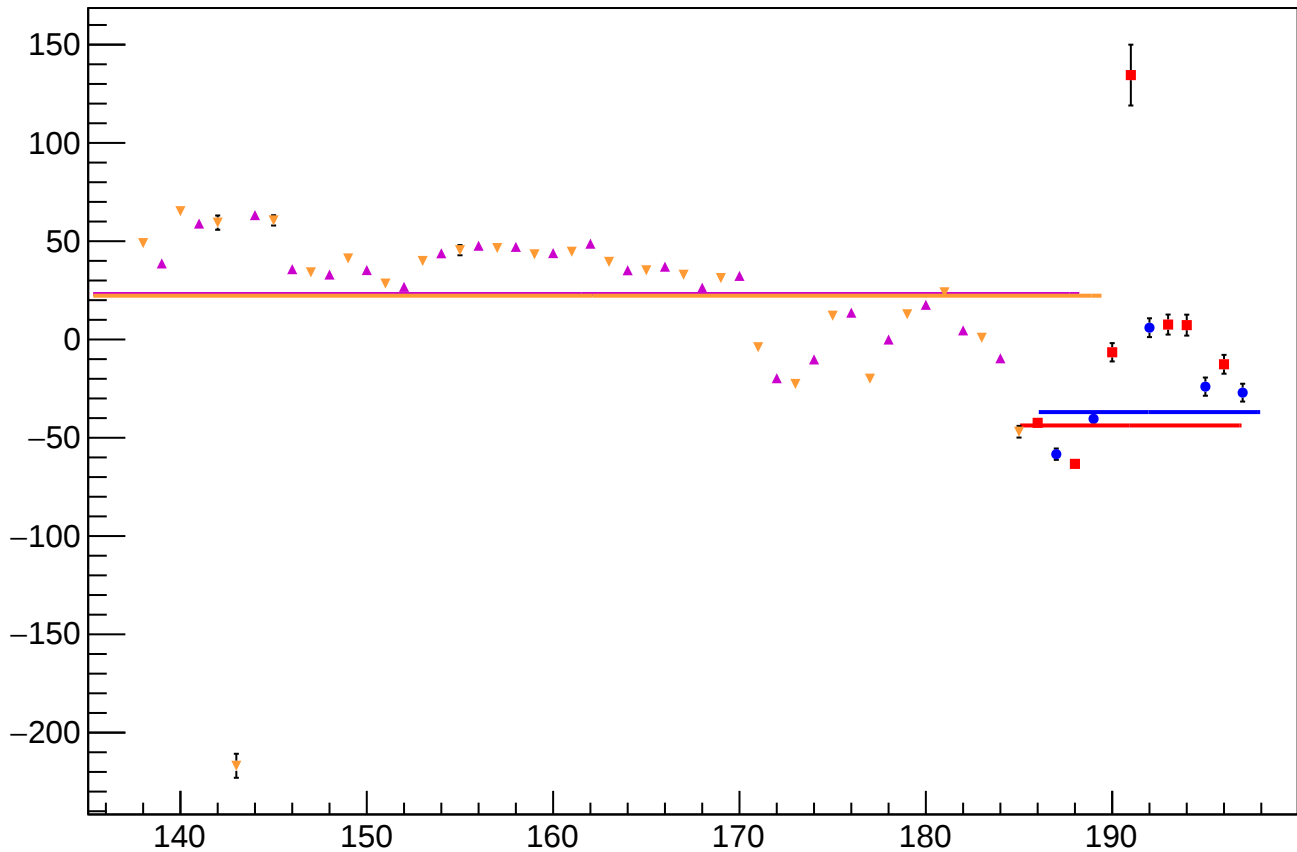
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -254.905 ± 0.068 $\chi^2/\text{NDF}: 408794.6/46$

All: -255.477 ± 0.048 $\chi^2/\text{NDF}: 732996.2/95$

- sign -256.042 ± 0.068 $\chi^2/\text{NDF}: 324062.2/48$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -36.937 ± 1.637 $\chi^2/\text{NDF}: 149.2/4$

Left Out: 22.279 ± 0.399 $\chi^2/\text{NDF}: 5171.0/24$

Right Out: -43.739 ± 1.050 $\chi^2/\text{NDF}: 589.4/6$

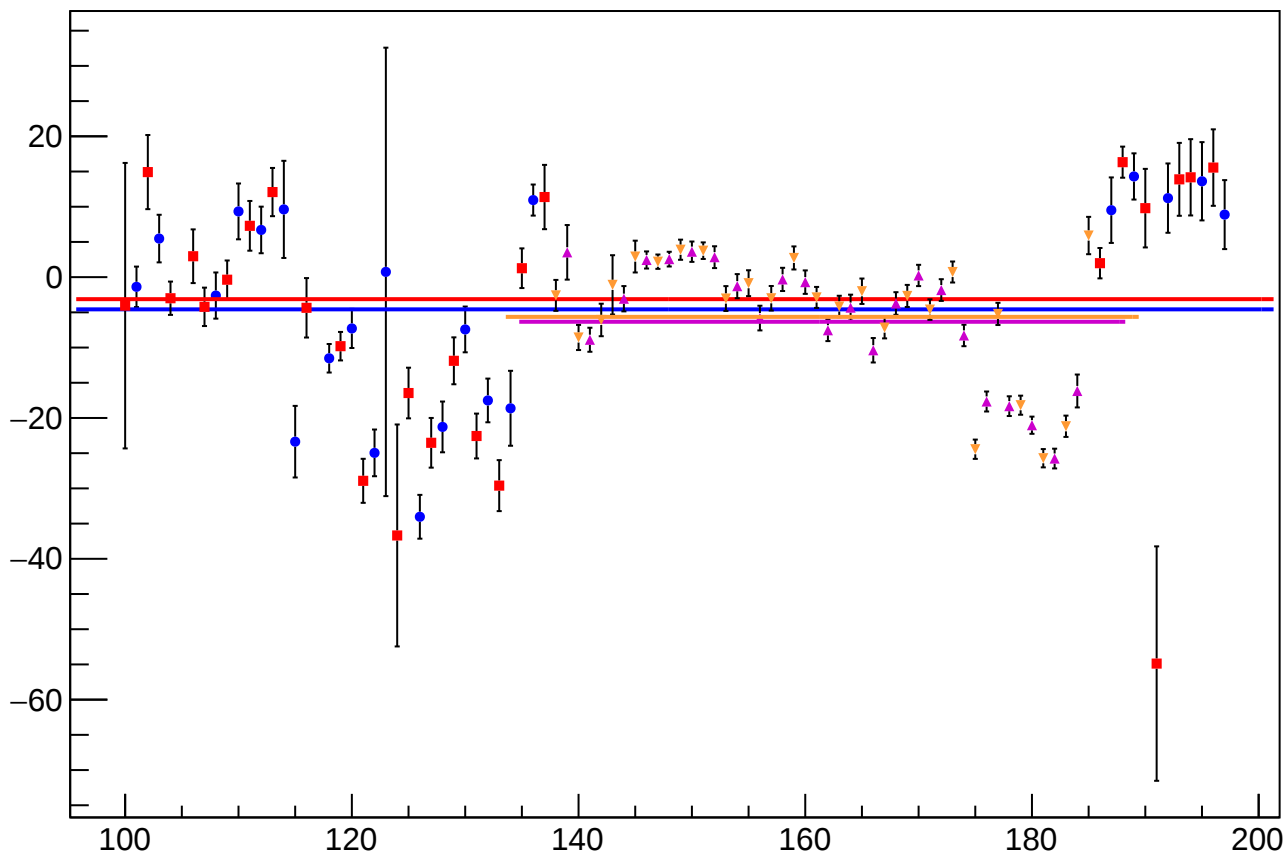
Left In: 23.136 ± 0.401 $\chi^2/\text{NDF}: 2744.7/22$

+ sign 18.962 ± 0.387 $\chi^2/\text{NDF}: 6555.4/29$

All: 16.717 ± 0.269 $\chi^2/\text{NDF}: 13491.4/59$

- sign 14.613 ± 0.375 $\chi^2/\text{NDF}: 6870.9/29$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.575 ± 0.734 χ^2/NDF : 359.3/21

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -3.127 ± 0.662 χ^2/NDF : 416.0/25

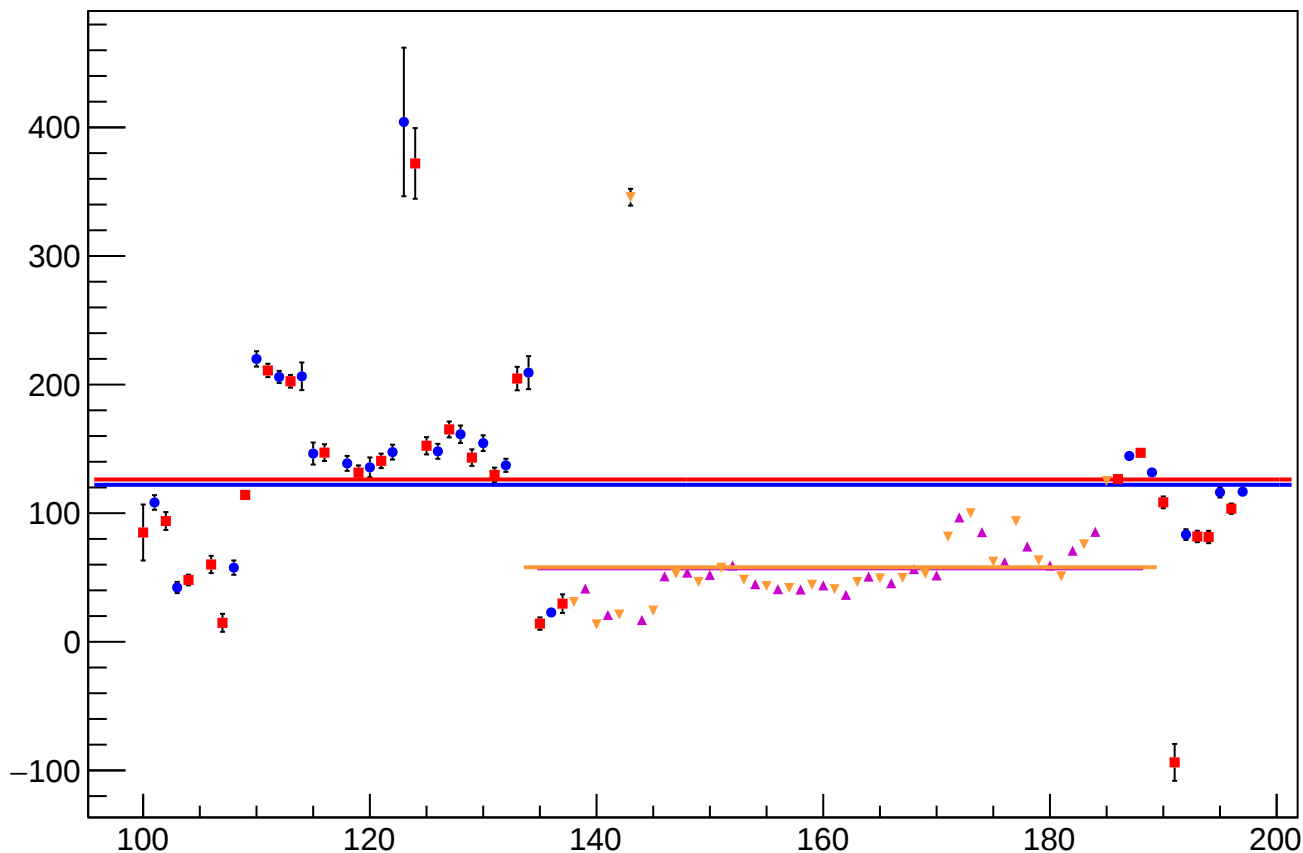
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -5.476 ± 0.290 χ^2/NDF : 1254.9/46

All: -5.601 ± 0.205 χ^2/NDF : 2473.2/95

- sign -5.725 ± 0.289 χ^2/NDF : 1218.0/48

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 122.087 ± 0.986 χ^2/NDF : 2366.1/21

Left Out: 57.990 ± 0.398 χ^2/NDF : 4635.7/24

Right Out: 126.216 ± 0.727 χ^2/NDF : 2938.4/25

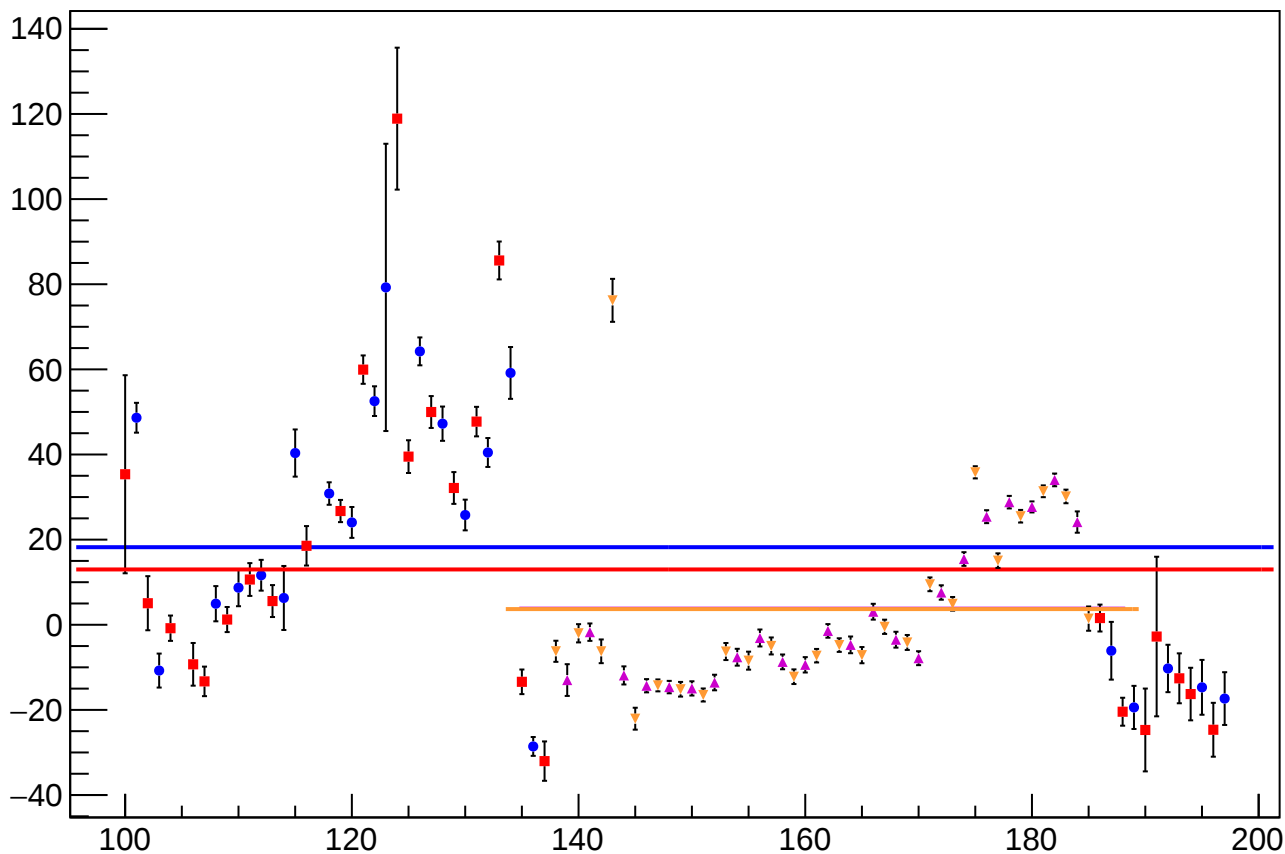
Left In: 57.139 ± 0.400 χ^2/NDF : 1803.4/22

+ sign 66.969 ± 0.369 χ^2/NDF : 10636.3/46

All: 70.222 ± 0.254 χ^2/NDF : 22454.3/95

- sign 73.151 ± 0.350 χ^2/NDF : 11670.3/48

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 18.224 $\pm$ 0.852 χ^2 /NDF: 1232.0/21

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF: 2541.7/24

Right Out: 12.994 $\pm$ 0.791 χ^2 /NDF: 1314.2/25

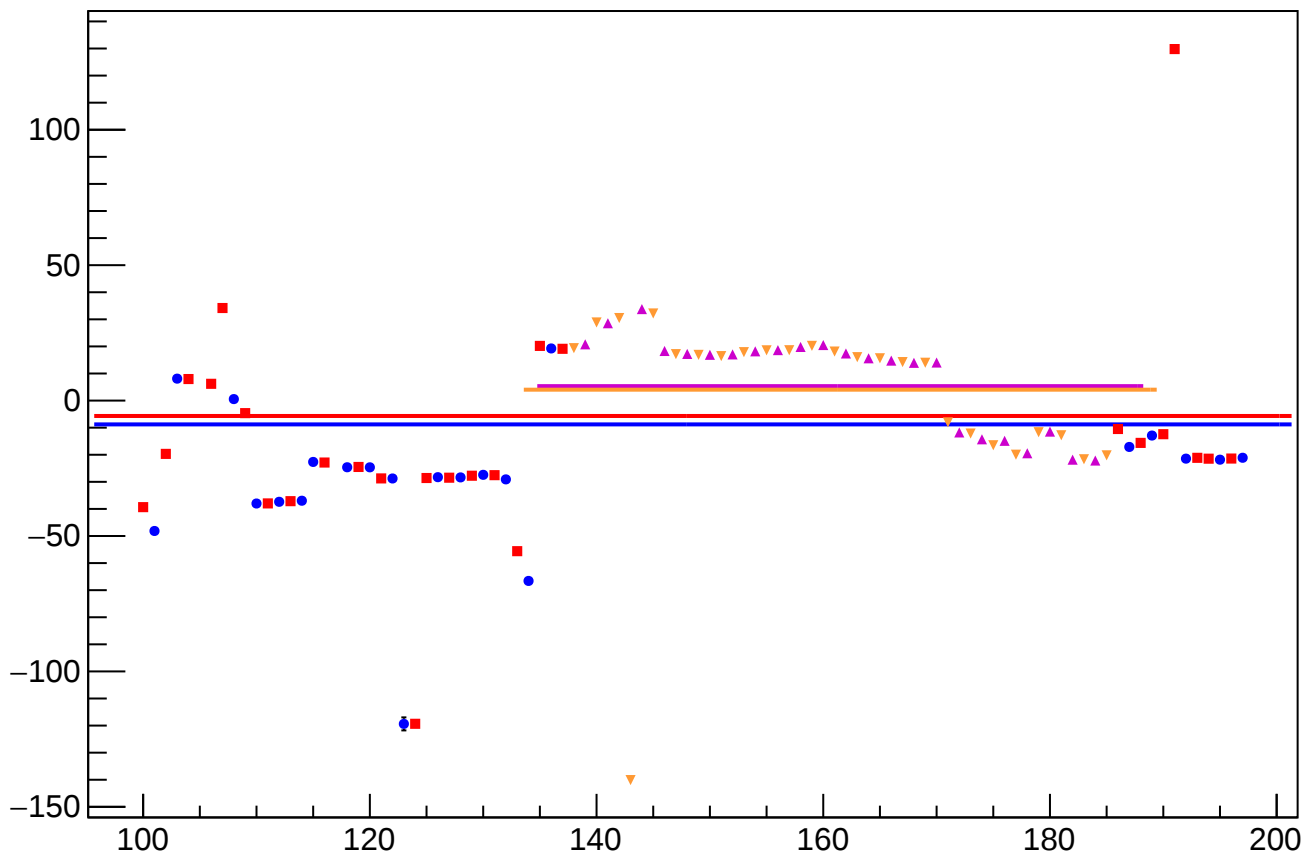
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF: 2198.8/22

+ sign 5.852 $\pm$ 0.329 χ^2 /NDF: 4021.4/46

All: 5.616 $\pm$ 0.233 χ^2 /NDF: 7647.6/95

- sign 5.380 $\pm$ 0.329 χ^2 /NDF: 3625.2/48

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.791 ± 0.042 $\chi^2/\text{NDF}: 280718.0/21$

Left Out: 4.026 ± 0.016 $\chi^2/\text{NDF}: 1383143.9/24$

Right Out: -5.682 ± 0.040 $\chi^2/\text{NDF}: 364212.9/25$

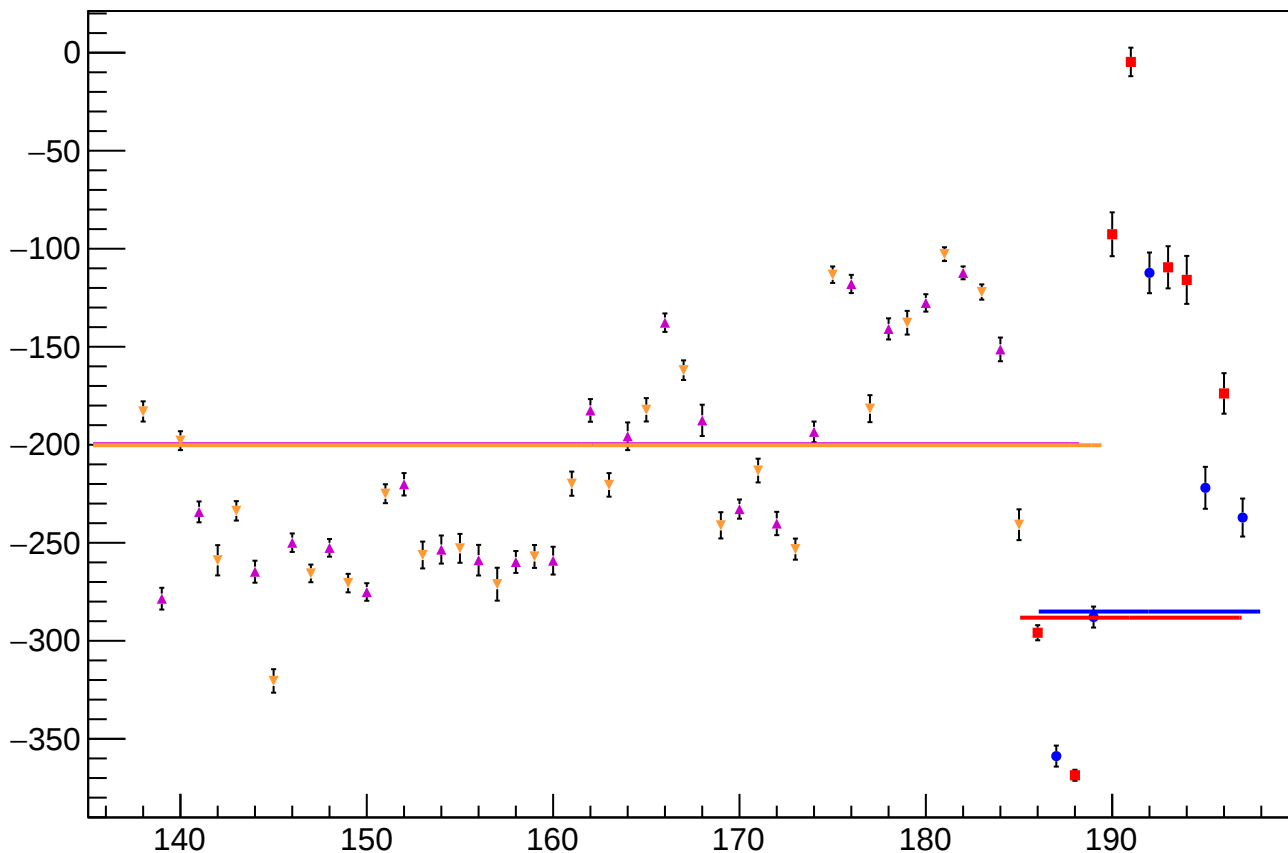
Left In: 5.335 ± 0.016 $\chi^2/\text{NDF}: 1077818.8/22$

+ sign 2.324 ± 0.015 $\chi^2/\text{NDF}: 1745301.0/46$

All: 3.027 ± 0.011 $\chi^2/\text{NDF}: 3257382.9/95$

- sign 3.724 ± 0.015 $\chi^2/\text{NDF}: 1507845.9/48$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -285.074 ± 3.187 $\chi^2/\text{NDF}: 526.6/4$

Left Out: -200.228 ± 1.078 $\chi^2/\text{NDF}: 3225.0/24$

Right Out: -288.195 ± 2.019 $\chi^2/\text{NDF}: 3241.3/6$

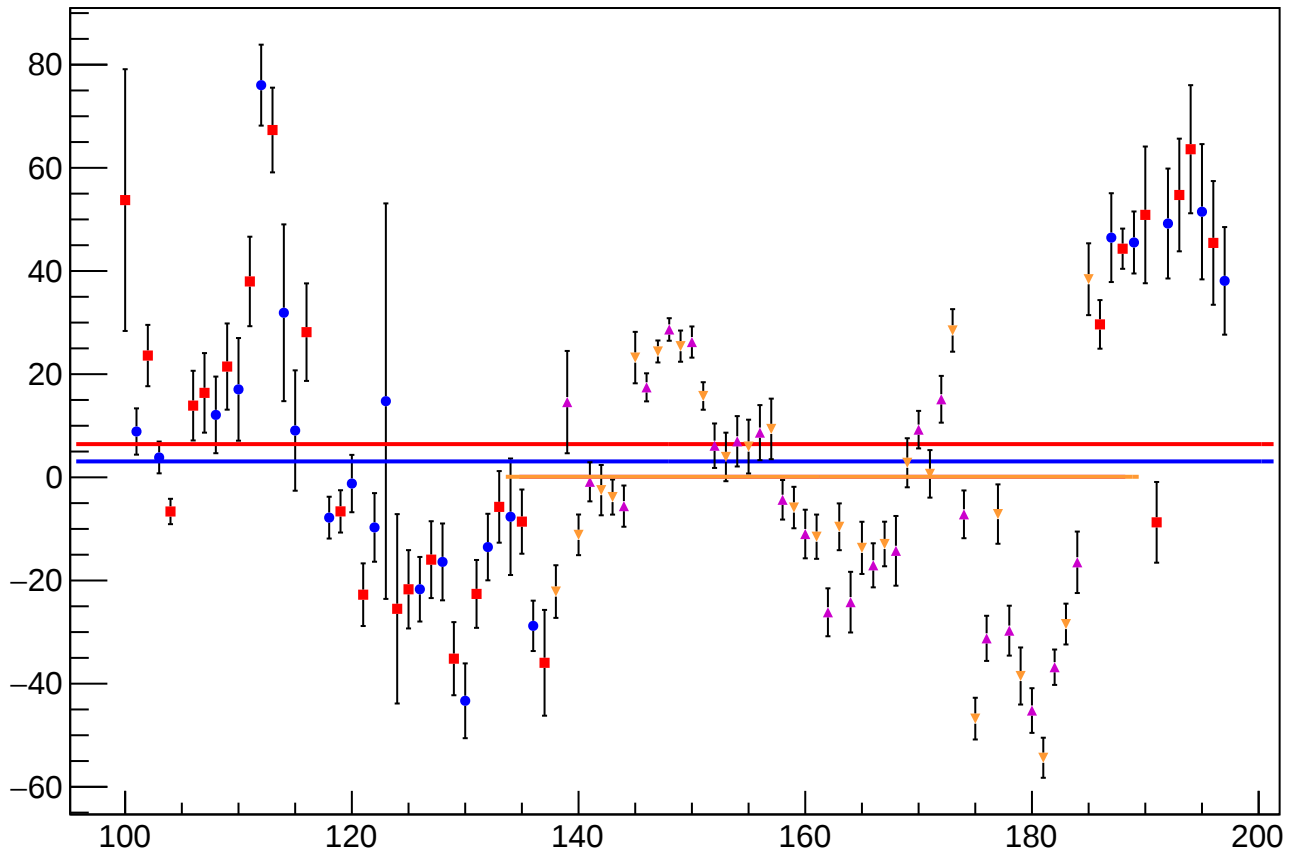
Left In: -199.739 ± 1.097 $\chi^2/\text{NDF}: 2968.0/22$

+ sign -208.938 ± 1.021 $\chi^2/\text{NDF}: 4387.8/29$

All: -214.738 ± 0.701 $\chi^2/\text{NDF}: 12139.8/59$

- sign -219.911 ± 0.964 $\chi^2/\text{NDF}: 7691.0/29$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 3.087 ± 1.376 $\chi^2/\text{NDF}: 338.8/21$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 6.440 ± 1.225 $\chi^2/\text{NDF}: 443.6/25$

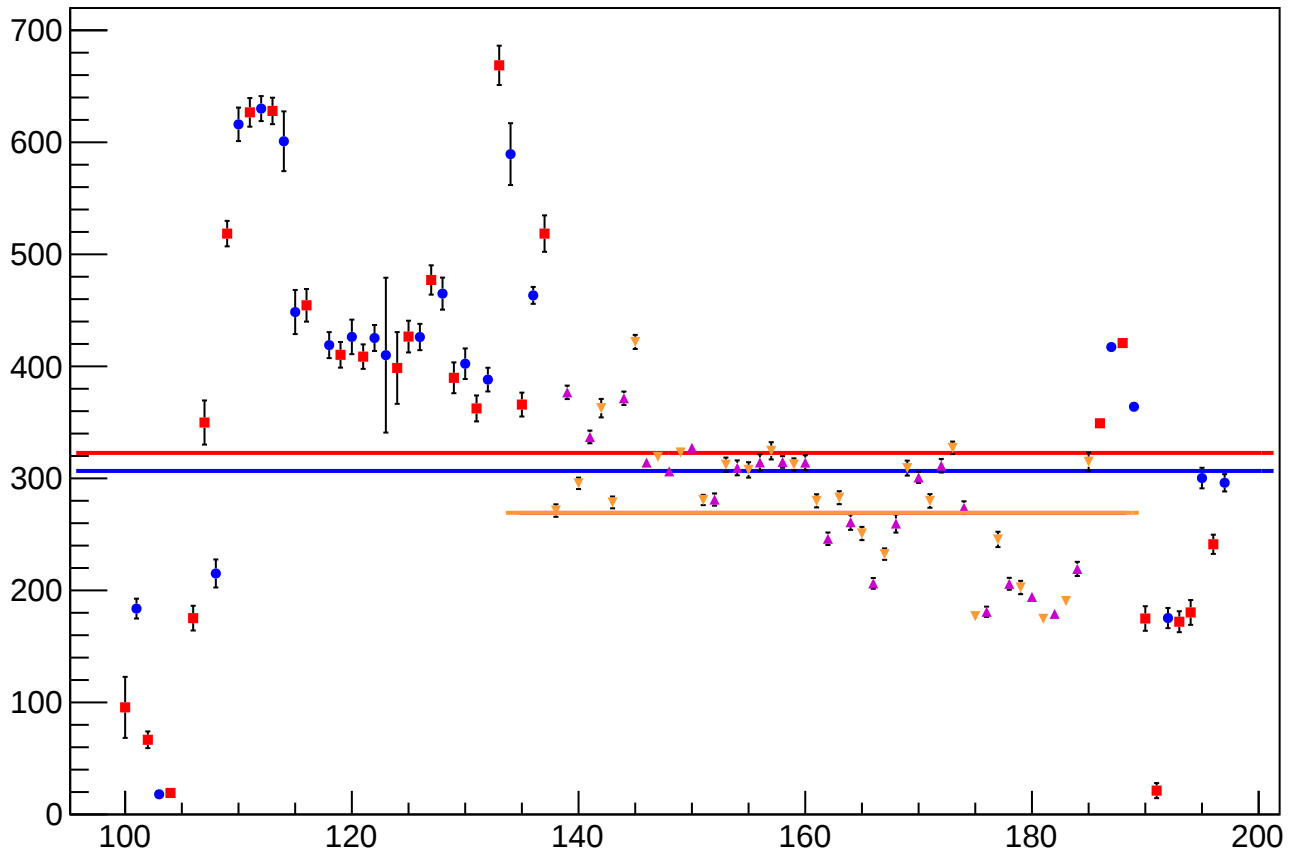
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign 0.871 ± 0.696 $\chi^2/\text{NDF}: 1173.6/46$

All: 1.499 ± 0.491 $\chi^2/\text{NDF}: 2352.5/95$

- sign 2.119 ± 0.692 $\chi^2/\text{NDF}: 1177.3/48$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 306.651 $\pm$ 1.813 χ^2 /NDF: 8907.5/21

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF: 3146.7/24

Right Out: 322.738 $\pm$ 1.373 χ^2 /NDF: 13481.8/25

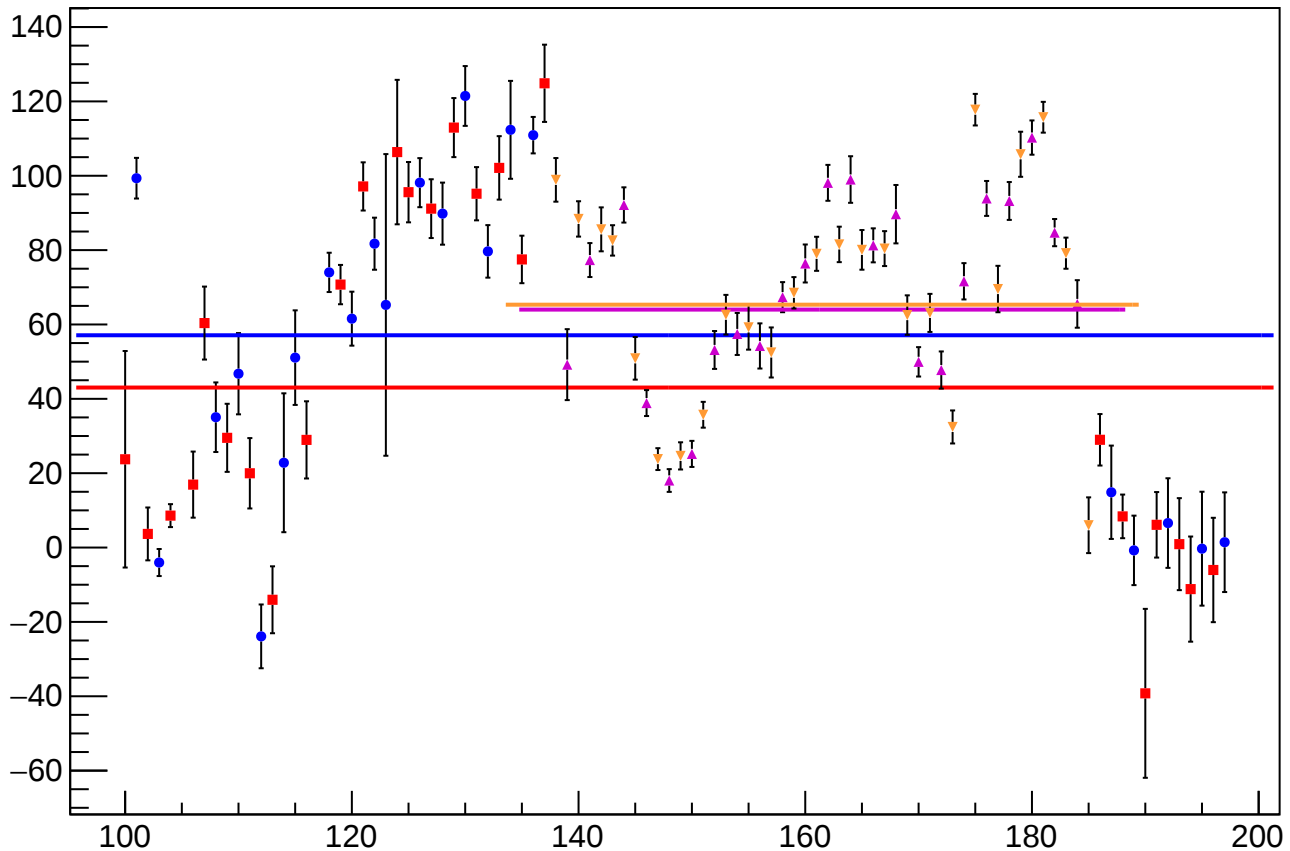
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF: 3170.2/22

+ sign 279.034 $\pm$ 0.926 χ^2 /NDF: 12368.2/46

All: 284.915 $\pm$ 0.628 χ^2 /NDF: 30027.6/95

- sign 289.912 $\pm$ 0.854 χ^2 /NDF: 17584.8/48

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 57.097 $\pm$ 1.618 χ^2 /NDF: 829.1/21

Left Out: 65.323 $\pm$ 0.935 χ^2 /NDF: 1007.1/24

Right Out: 43.036 $\pm$ 1.489 χ^2 /NDF: 782.1/25

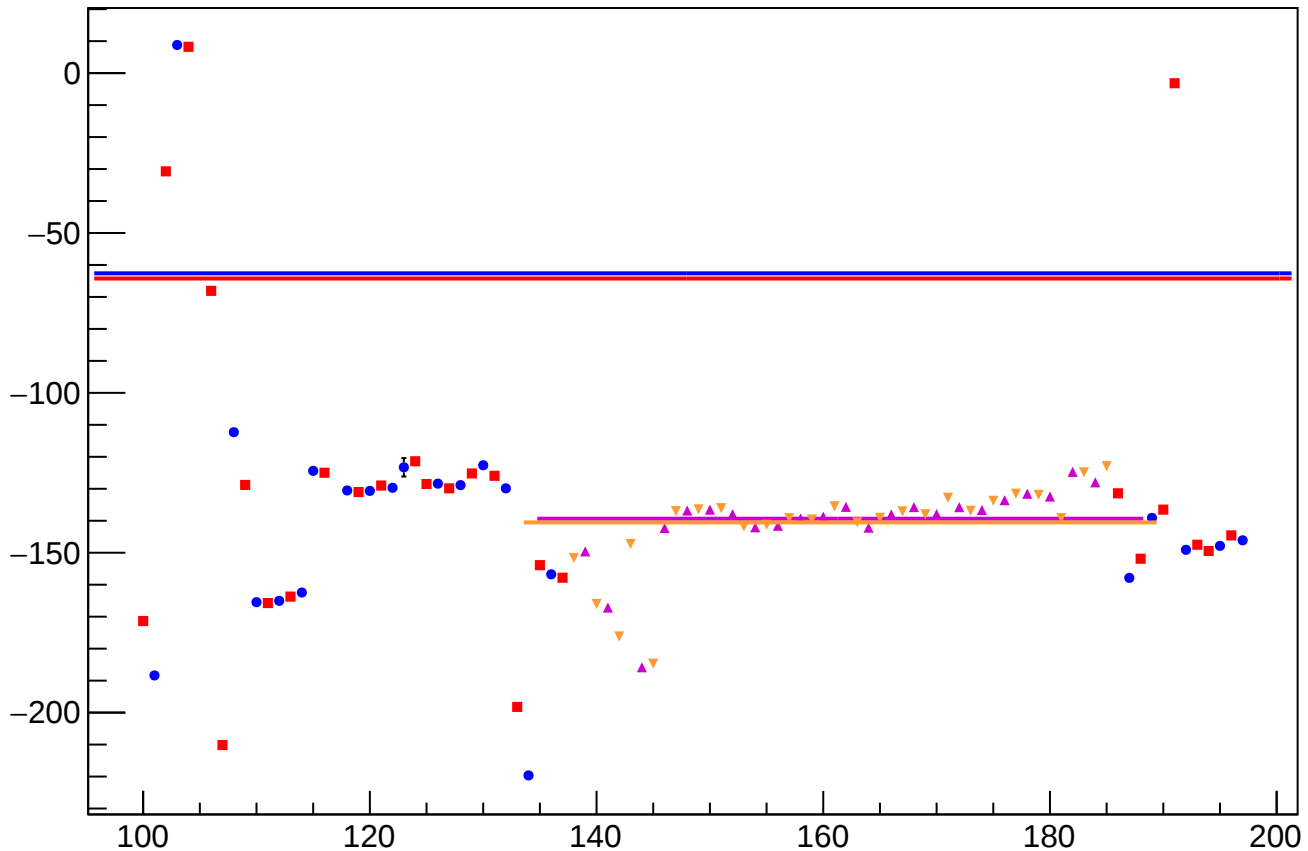
Left In: 63.999 $\pm$ 0.963 χ^2 /NDF: 799.5/22

+ sign 63.265 $\pm$ 0.809 χ^2 /NDF: 1855.5/46

All: 60.537 $\pm$ 0.572 χ^2 /NDF: 3599.6/95

- sign 57.815 $\pm$ 0.808 χ^2 /NDF: 1721.4/48

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -62.618 ± 0.067 $\chi^2/\text{NDF}: 1402874.3/21$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -64.235 ± 0.064 $\chi^2/\text{NDF}: 1273912.8/25$

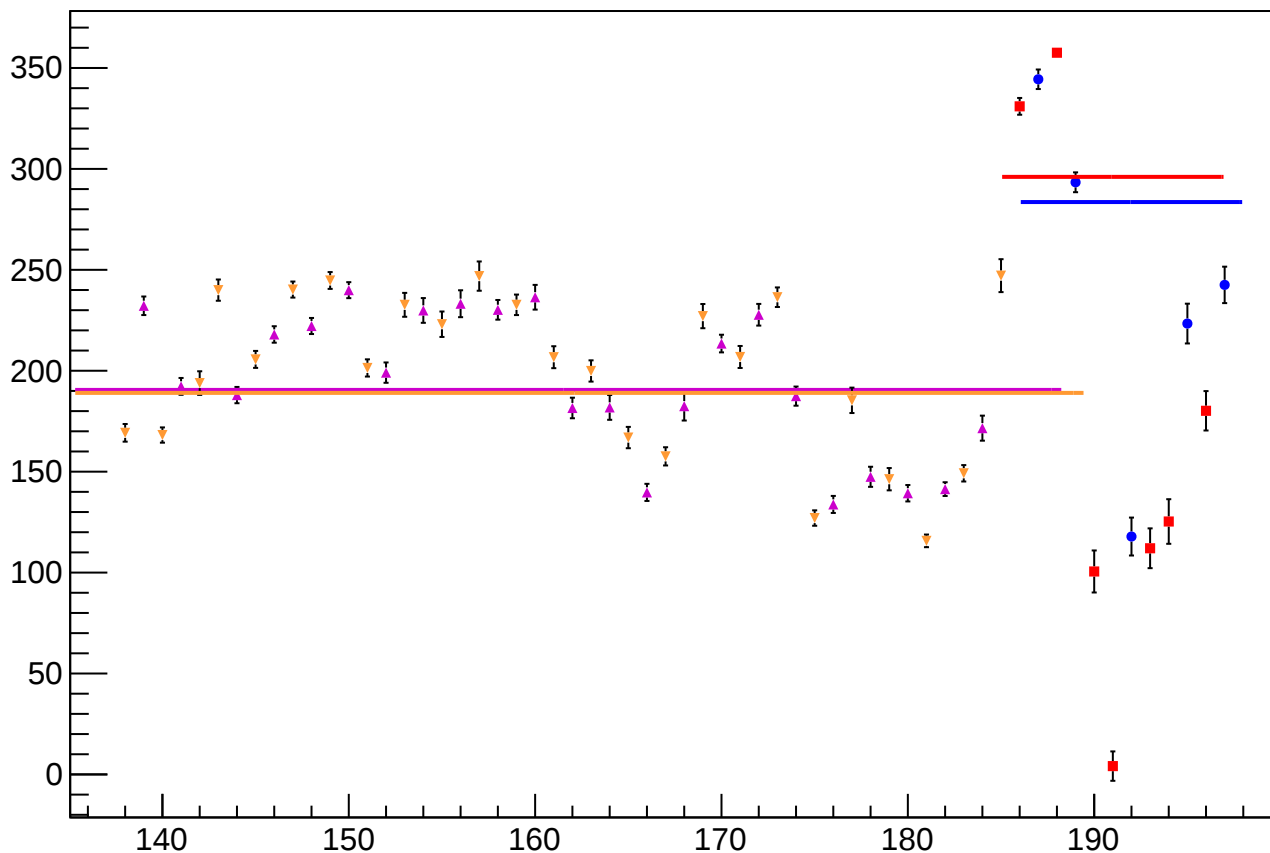
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -116.538 ± 0.037 $\chi^2/\text{NDF}: 2421500.1/46$

All: -115.518 ± 0.026 $\chi^2/\text{NDF}: 4680787.0/95$

- sign -114.512 ± 0.037 $\chi^2/\text{NDF}: 2257783.9/48$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 283.580 $\pm$ 2.911 χ^2 /NDF: 531.1/4

Left Out: 189.030 $\pm$ 0.956 χ^2 /NDF:1980.9/24

Right Out: 296.057 $\pm$ 1.909 χ^2 /NDF: 3362.8/6

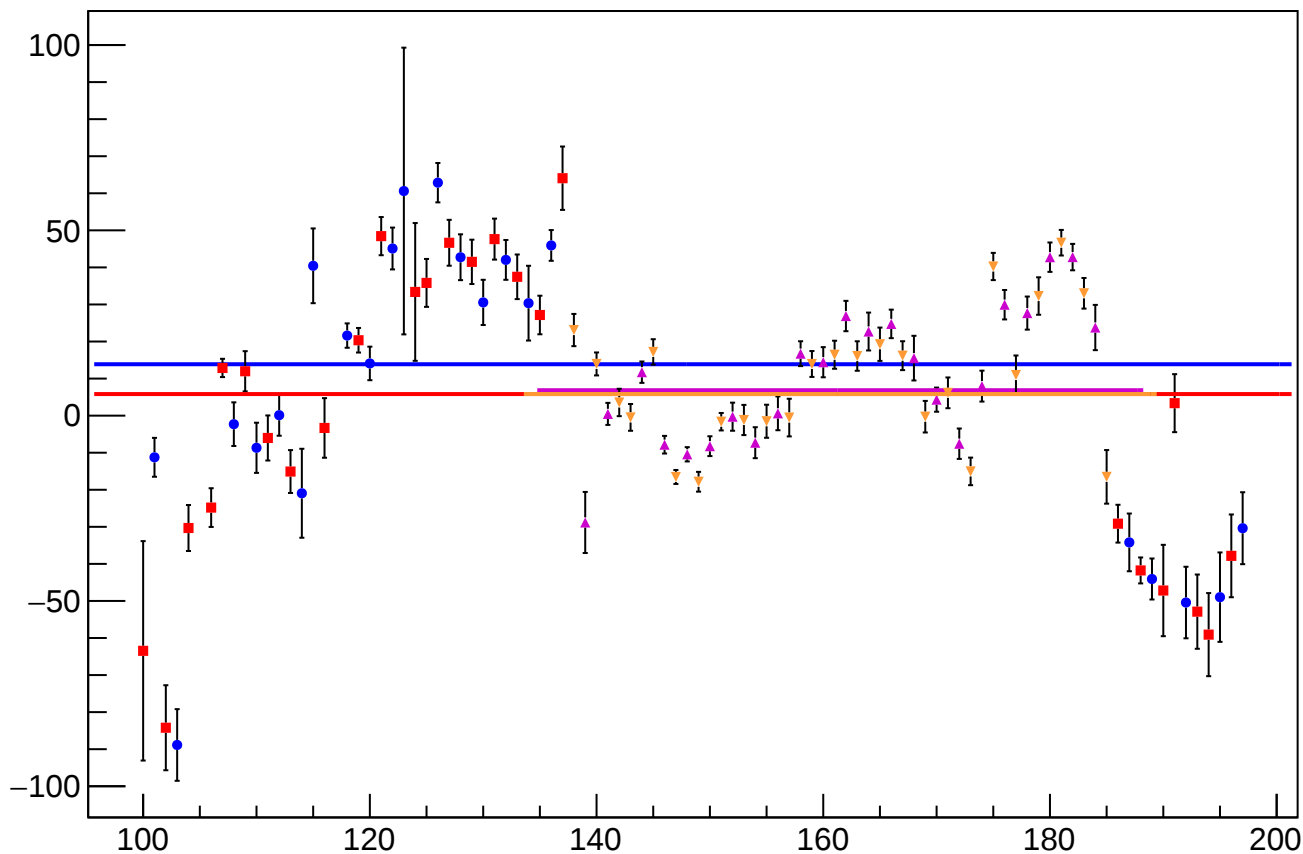
Left In: 190.506 $\pm$ 0.975 χ^2 /NDF:1412.7/22

+ sign 198.232 $\pm$ 0.908 χ^2 /NDF: 3464.3/29

All: 205.602 $\pm$ 0.628 χ^2 /NDF: 10789.9/59

- sign 212.341 $\pm$ 0.868 χ^2 /NDF: 7199.6/29

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 13.871 $\pm$ 1.303 χ^2 /NDF: 657.9/21

Left Out: 5.834 $\pm$ 0.712 χ^2 /NDF: 652.2/24

Right Out: 5.824 $\pm$ 1.097 χ^2 /NDF: 835.0/25

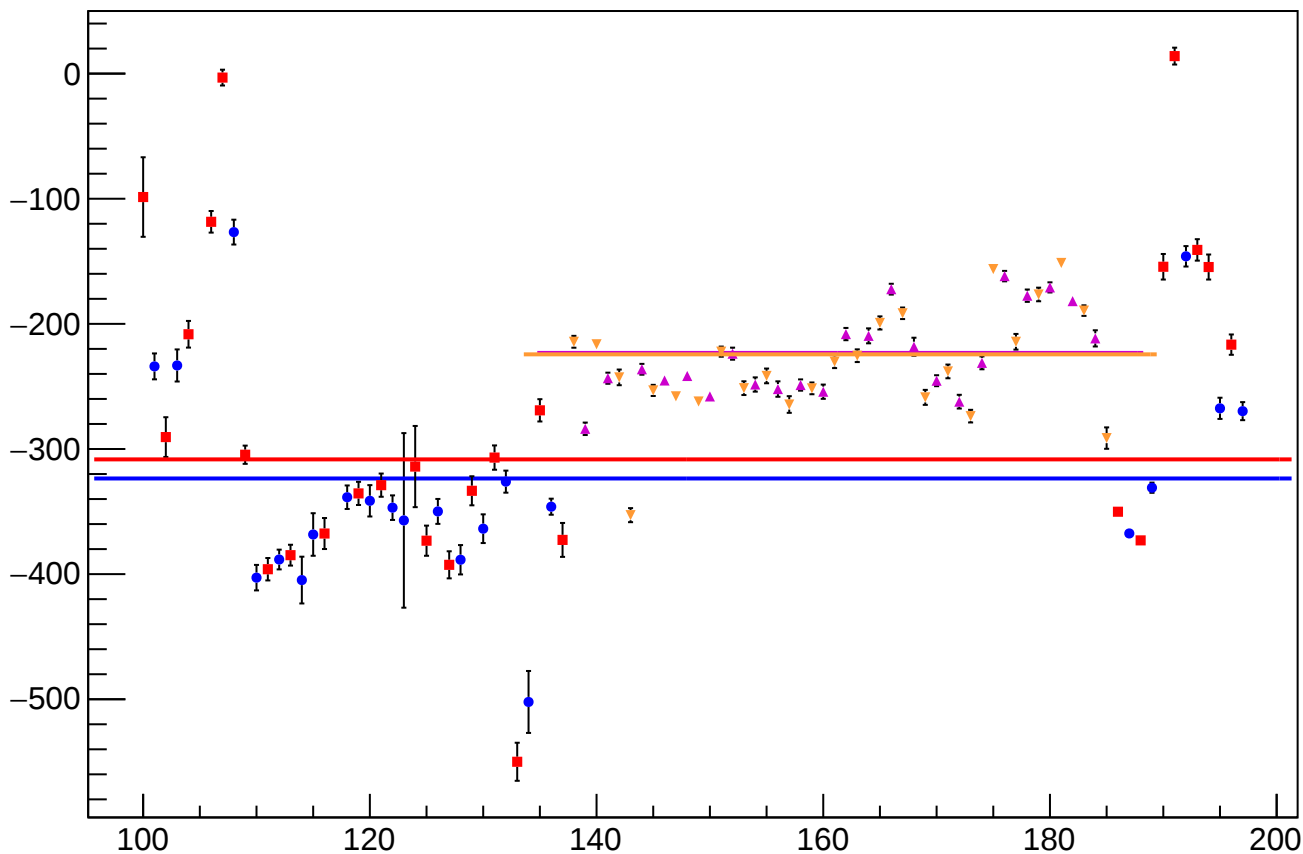
Left In: 6.862 $\pm$ 0.736 χ^2 /NDF: 522.7/22

+ sign 7.684 $\pm$ 0.625 χ^2 /NDF: 1339.5/46

All: 7.099 $\pm$ 0.437 χ^2 /NDF: 2699.5/95

- sign 6.539 $\pm$ 0.611 χ^2 /NDF: 1358.3/48

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -323.563 ± 1.764 χ^2/NDF : 1493.8/21

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -308.304 ± 1.298 χ^2/NDF : 8008.3/25

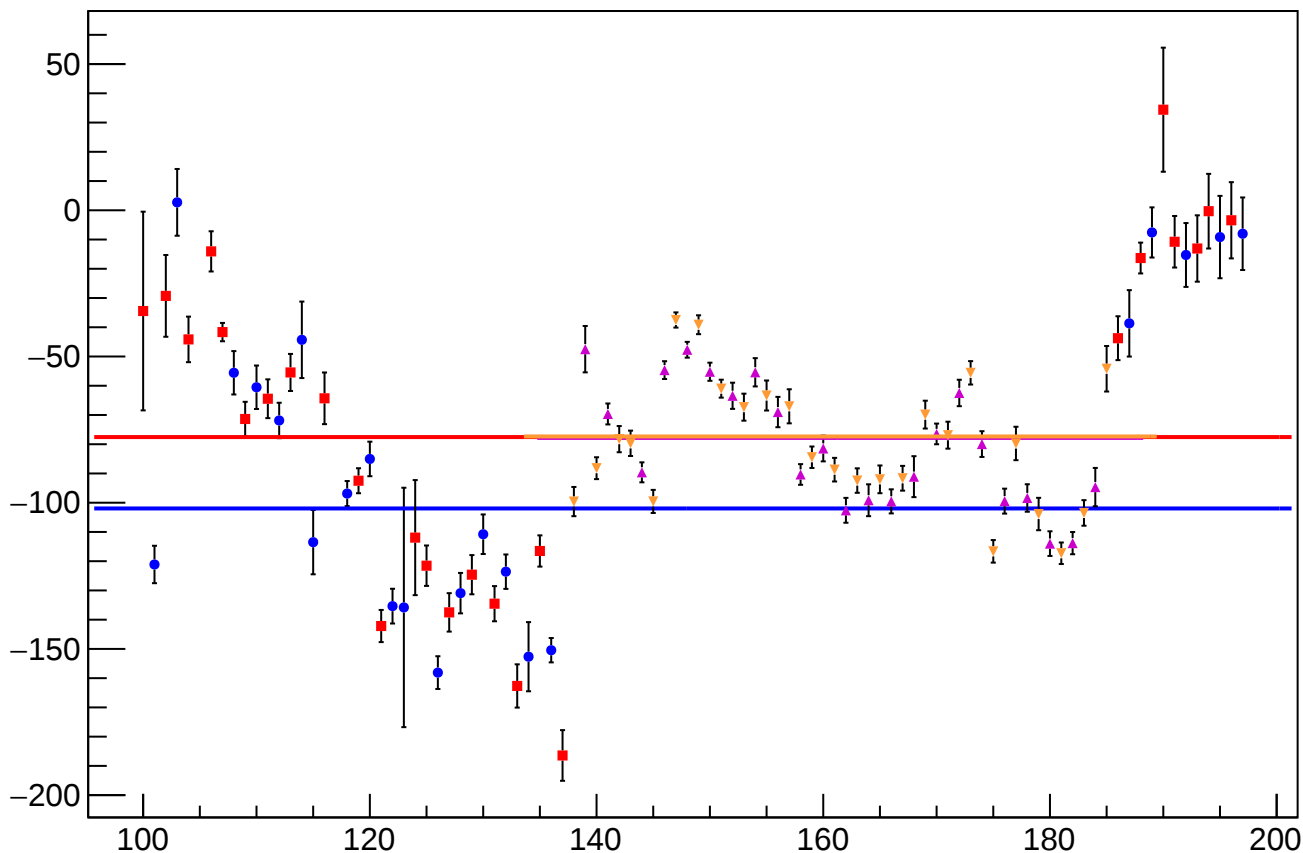
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -246.885 ± 0.841 χ^2/NDF : 6041.4/46

All: -250.542 ± 0.570 χ^2/NDF : 18111.4/95

- sign -253.665 ± 0.777 χ^2/NDF : 12035.0/48

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -101.967 ± 1.522 χ^2/NDF : 853.6/21

Left Out: -77.343 ± 0.827 χ^2/NDF : 846.2/24

Right Out: -77.553 ± 1.320 χ^2/NDF : 1368.8/25

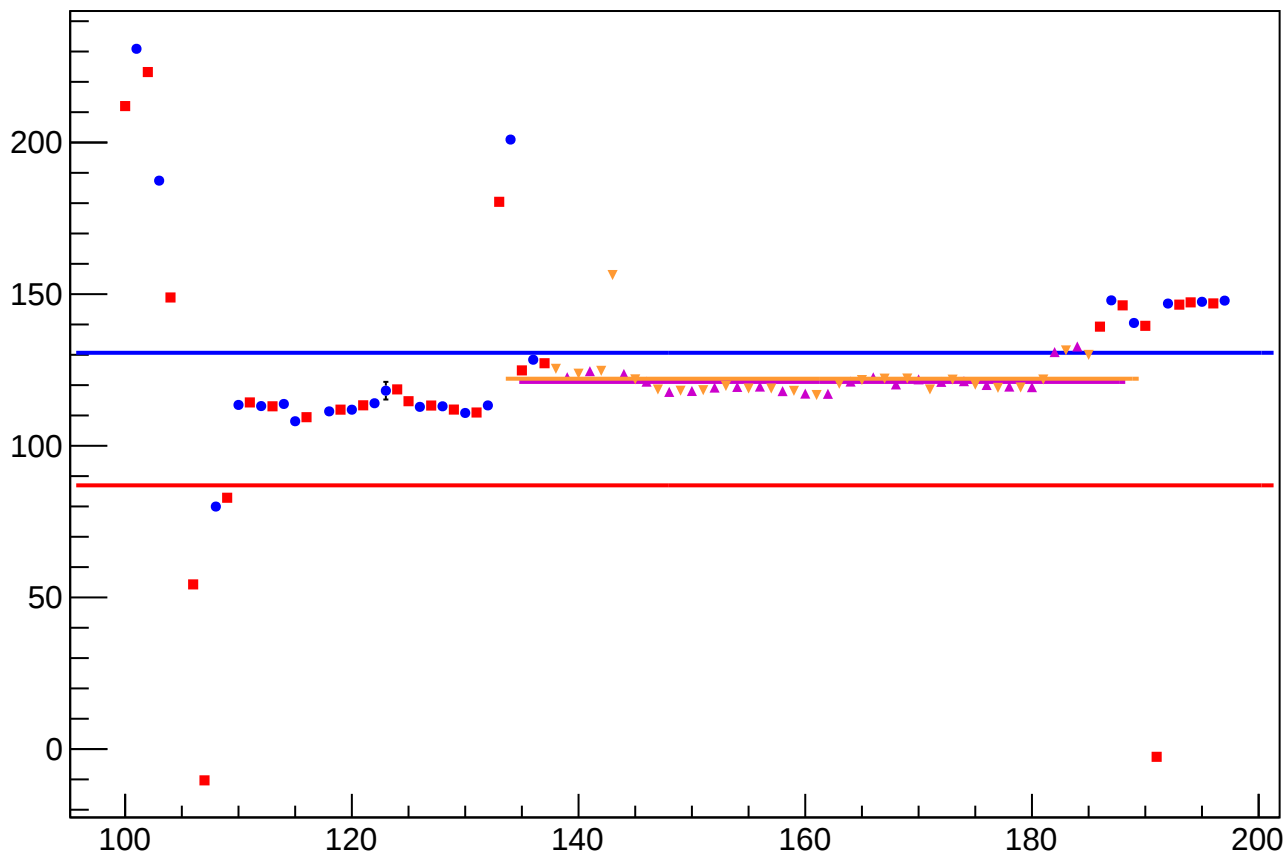
Left In: -77.838 ± 0.849 χ^2/NDF : 622.8/22

+ sign -82.950 ± 0.726 χ^2/NDF : 1901.8/46

All: -80.307 ± 0.509 χ^2/NDF : 3919.5/95

- sign -77.755 ± 0.714 χ^2/NDF : 1991.7/48

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 130.666 $\pm$ 0.081 χ^2 /NDF: 195634.4/21

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF: 30480.7/24

Right Out: 86.956 $\pm$ 0.066 χ^2 /NDF: 1041349.6/25

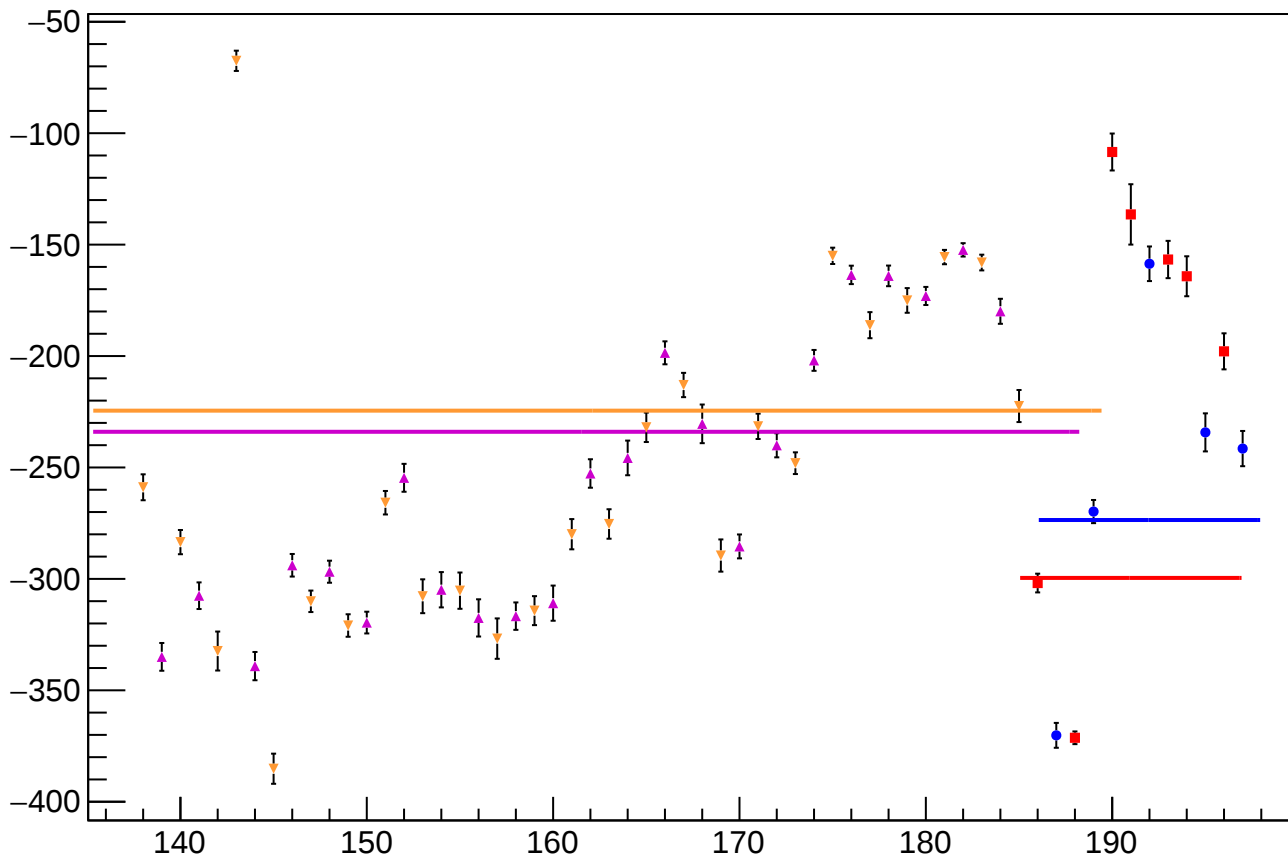
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF: 7931.6/22

+ sign 123.748 $\pm$ 0.035 χ^2 /NDF: 235078.3/46

All: 117.576 $\pm$ 0.025 χ^2 /NDF: 1540089.6/95

- sign 111.905 $\pm$ 0.034 χ^2 /NDF: 1246879.3/48

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -273.577 $\pm$ 2.944 χ^2 /NDF: 556.9/4

Left Out: -224.501 $\pm$ 1.079 χ^2 /NDF: 4870.6/24

Right Out: -299.561 $\pm$ 2.035 χ^2 /NDF: 1986.9/6

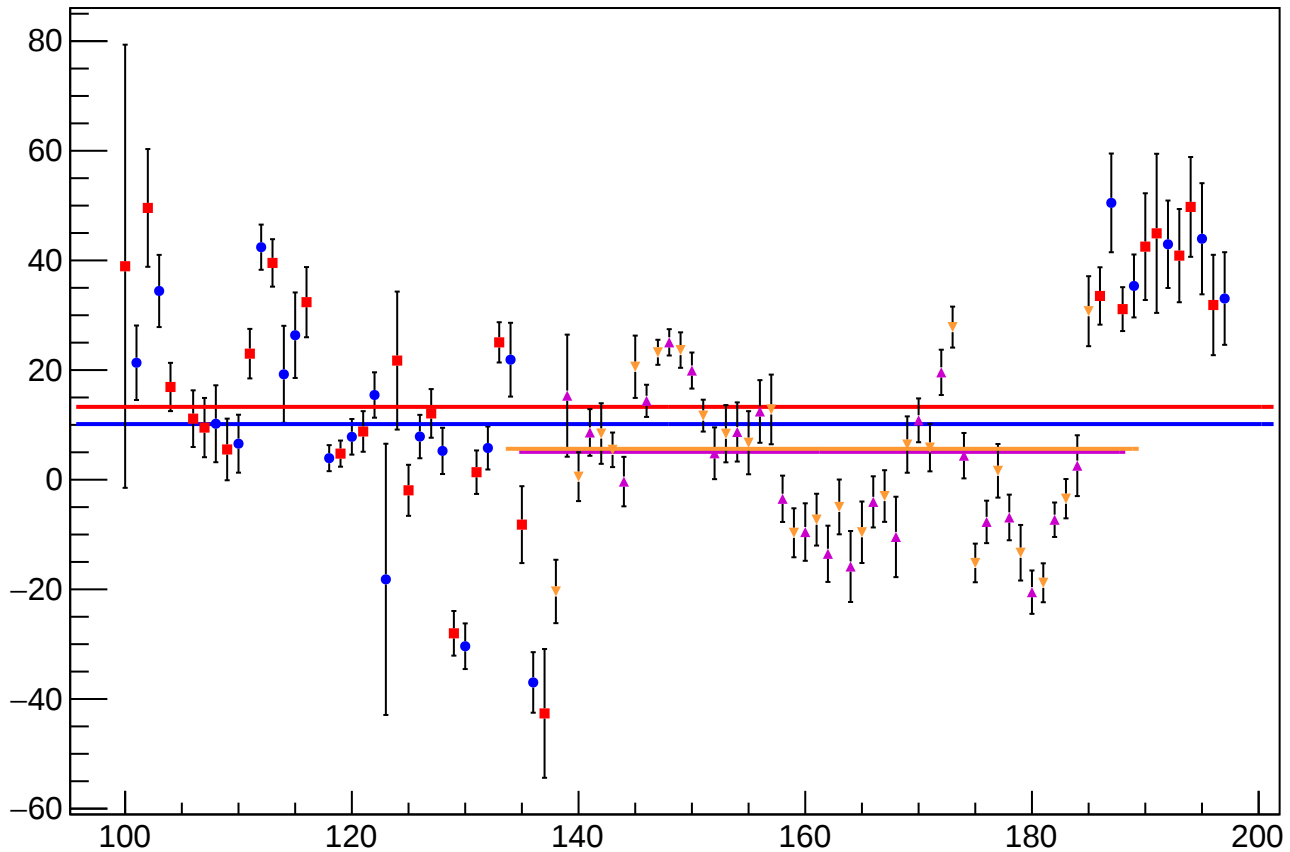
Left In: -233.988 $\pm$ 1.109 χ^2 /NDF: 3538.4/22

+ sign -230.313 $\pm$ 1.013 χ^2 /NDF: 5672.5/29

All: -240.027 $\pm$ 0.702 χ^2 /NDF: 12175.4/59

- sign -248.996 $\pm$ 0.973 χ^2 /NDF: 6326.1/29

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 10.147 ± 1.054 χ^2/NDF : 342.1/21

Left Out: 5.638 ± 0.828 χ^2/NDF : 313.6/24

Right Out: 13.287 ± 0.990 χ^2/NDF : 324.5/25

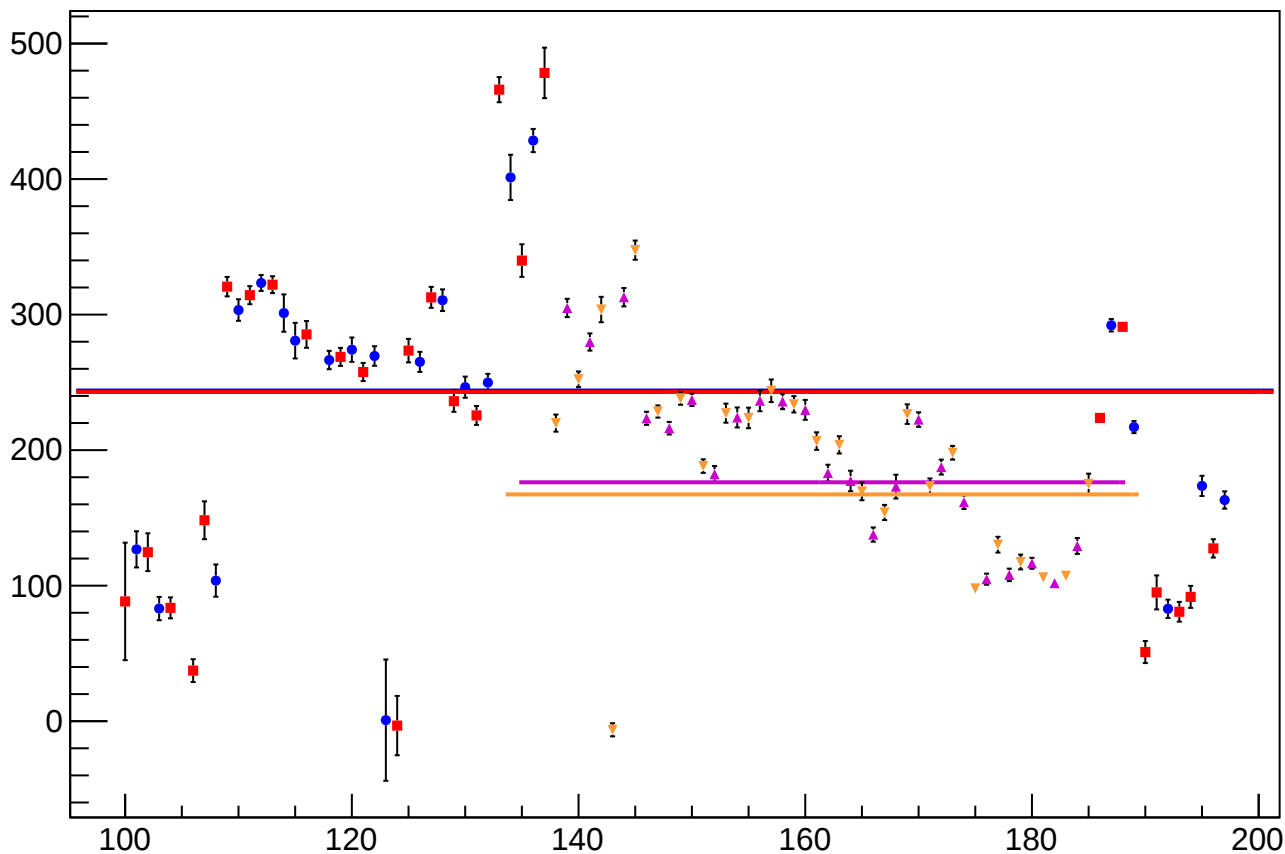
Left In: 5.077 ± 0.869 χ^2/NDF : 239.7/22

+ sign 7.359 ± 0.651 χ^2/NDF : 667.0/46

All: 8.003 ± 0.461 χ^2/NDF : 1272.0/95

- sign 8.651 ± 0.653 χ^2/NDF : 603.0/48

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 243.989+/-1.599 χ^2/NDF : 2492.3/21

Left Out: 167.327+/-1.082 χ^2/NDF : 4454.5/24

Right Out: 242.913+/-1.281 χ^2/NDF : 4909.6/25

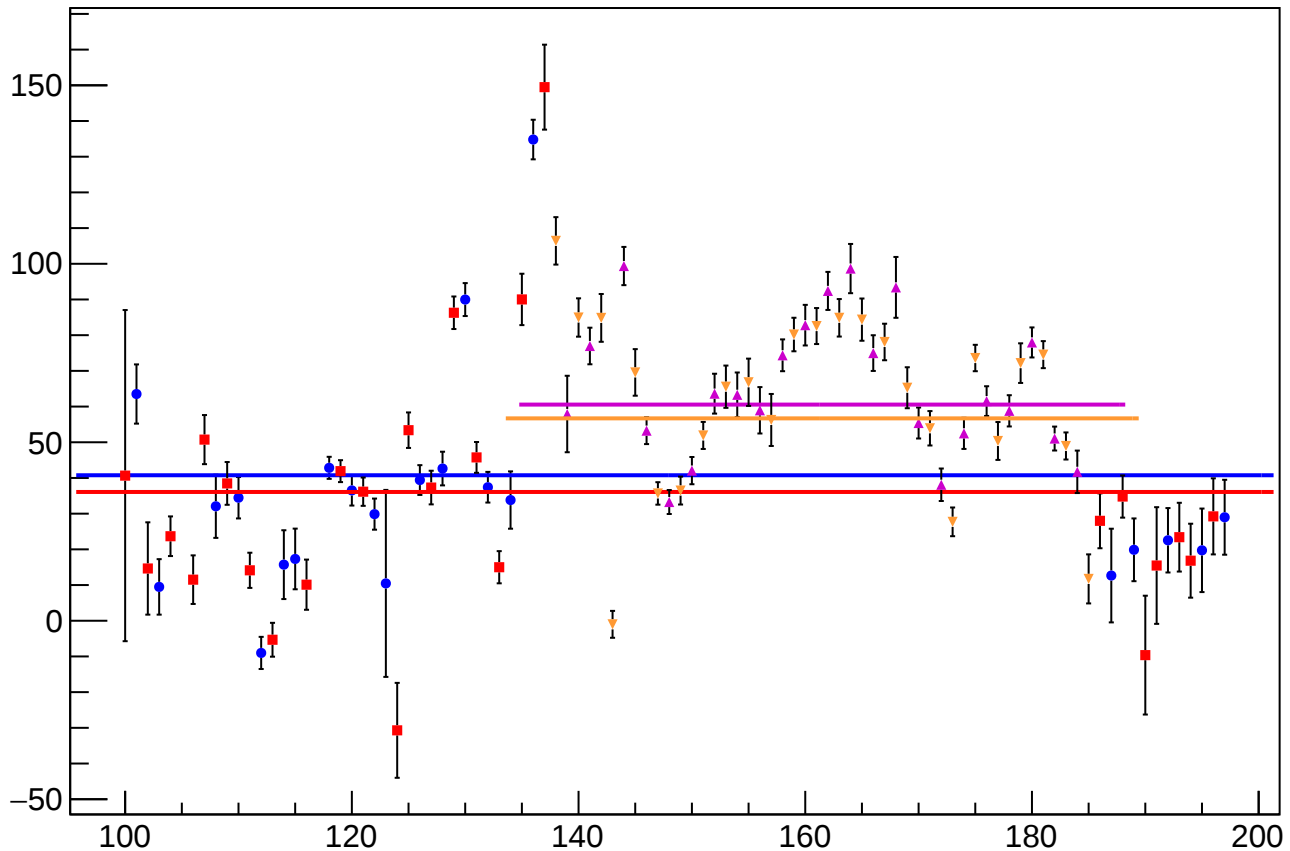
Left In: 176.272+/-1.106 χ^2/NDF : 3169.5/22

+ sign 191.413+/-0.896 χ^2/NDF : 8522.5/46

All: 198.528+/-0.612 χ^2/NDF : 18270.7/95

- sign 204.729+/-0.837 χ^2/NDF : 9630.3/48

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 40.759 $\pm$ 1.230 χ^2 /NDF: 593.3/21

Left Out: 56.695 $\pm$ 0.952 χ^2 /NDF: 690.4/24

Right Out: 36.077 $\pm$ 1.166 χ^2 /NDF: 487.4/25

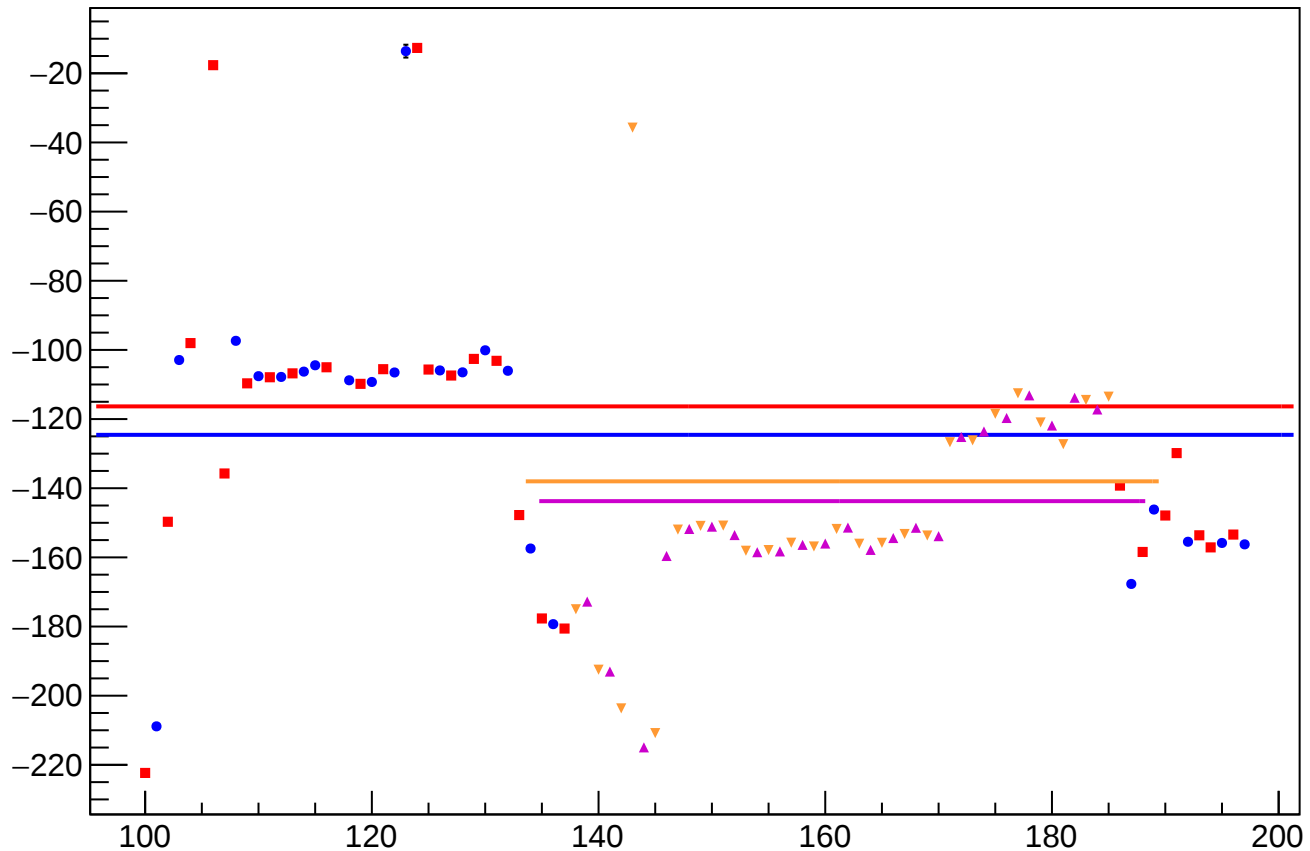
Left In: 60.555 $\pm$ 0.990 χ^2 /NDF: 335.6/22

+ sign 50.727 $\pm$ 0.753 χ^2 /NDF: 1388.7/46

All: 50.514 $\pm$ 0.533 χ^2 /NDF: 2467.9/95

- sign 50.300 $\pm$ 0.755 χ^2 /NDF: 1079.0/48

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -124.561 ± 0.071 $\chi^2/\text{NDF}: 183911.6/21$

Left Out: -138.008 ± 0.045 $\chi^2/\text{NDF}: 565767.2/24$

Right Out: -116.333 ± 0.064 $\chi^2/\text{NDF}: 418554.4/25$

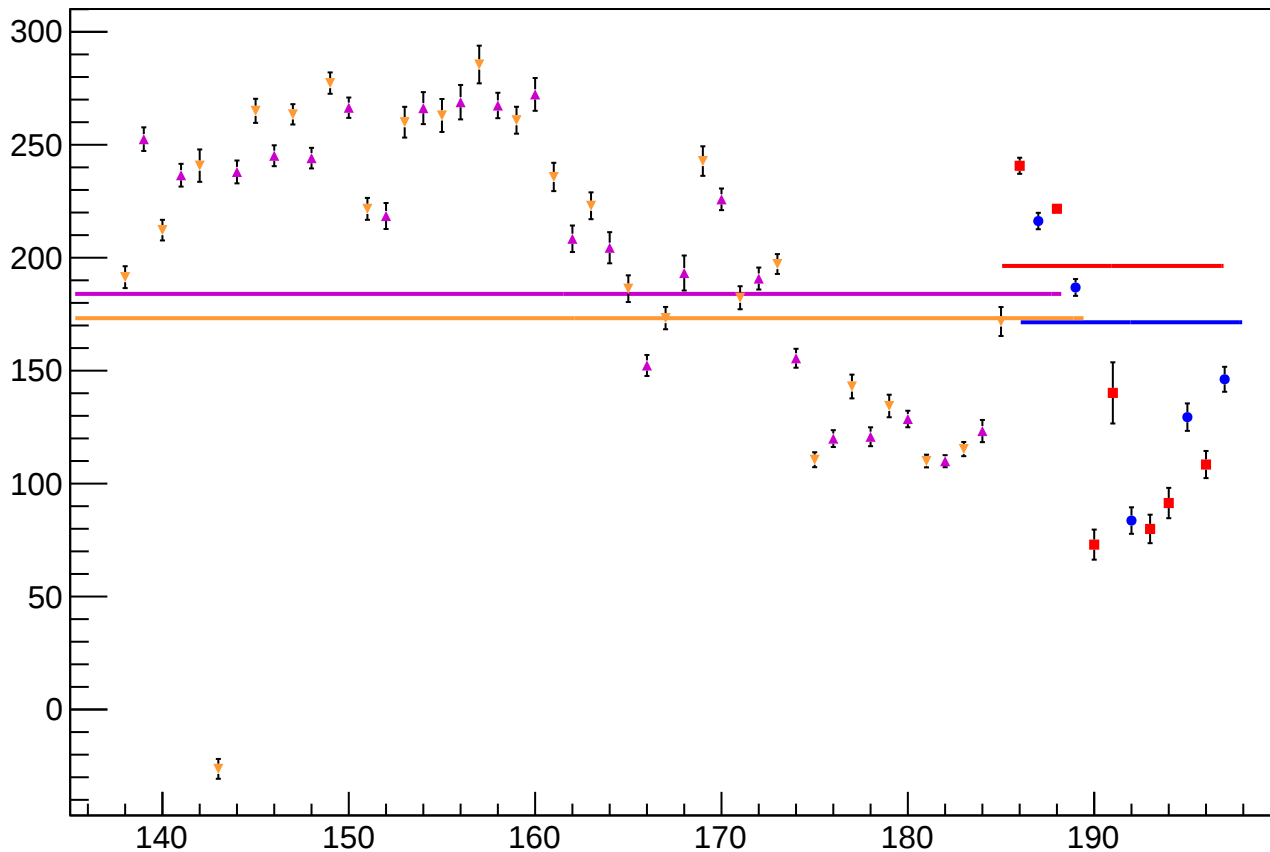
Left In: -143.735 ± 0.046 $\chi^2/\text{NDF}: 258408.3/22$

+ sign -134.133 ± 0.038 $\chi^2/\text{NDF}: 775269.3/46$

All: -134.261 ± 0.027 $\chi^2/\text{NDF}: 1572820.7/95$

- sign -134.385 ± 0.037 $\chi^2/\text{NDF}: 797529.1/48$

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 171.424 $\pm$ 2.054 χ^2 /NDF: 461.9/4

Left Out: 173.229 $\pm$ 0.966 χ^2 /NDF:5846.0/24

Right Out: 196.365 $\pm$ 1.459 χ^2 /NDF: 1499.8/6

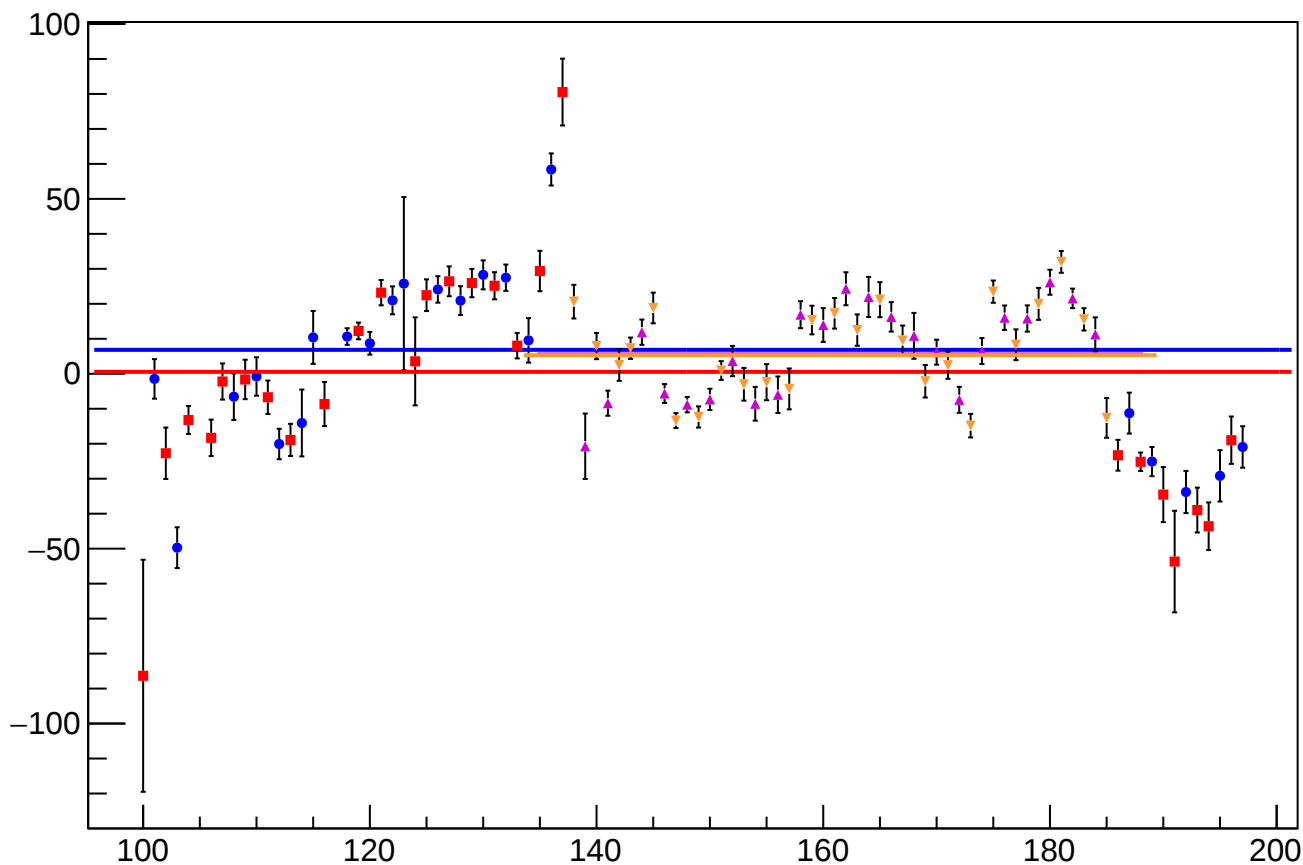
Left In: 183.984 $\pm$ 0.991 χ^2 /NDF:3613.7/22

+ sign 172.903 $\pm$ 0.874 χ^2 /NDF: 6308.5/29

All: 180.877 $\pm$ 0.598 χ^2 /NDF: 11627.8/59

- sign 187.893 $\pm$ 0.820 χ^2 /NDF: 5162.8/29

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 6.843 ± 0.988 χ^2/NDF : 537.0/21

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: 0.551 ± 0.916 χ^2/NDF : 612.9/25

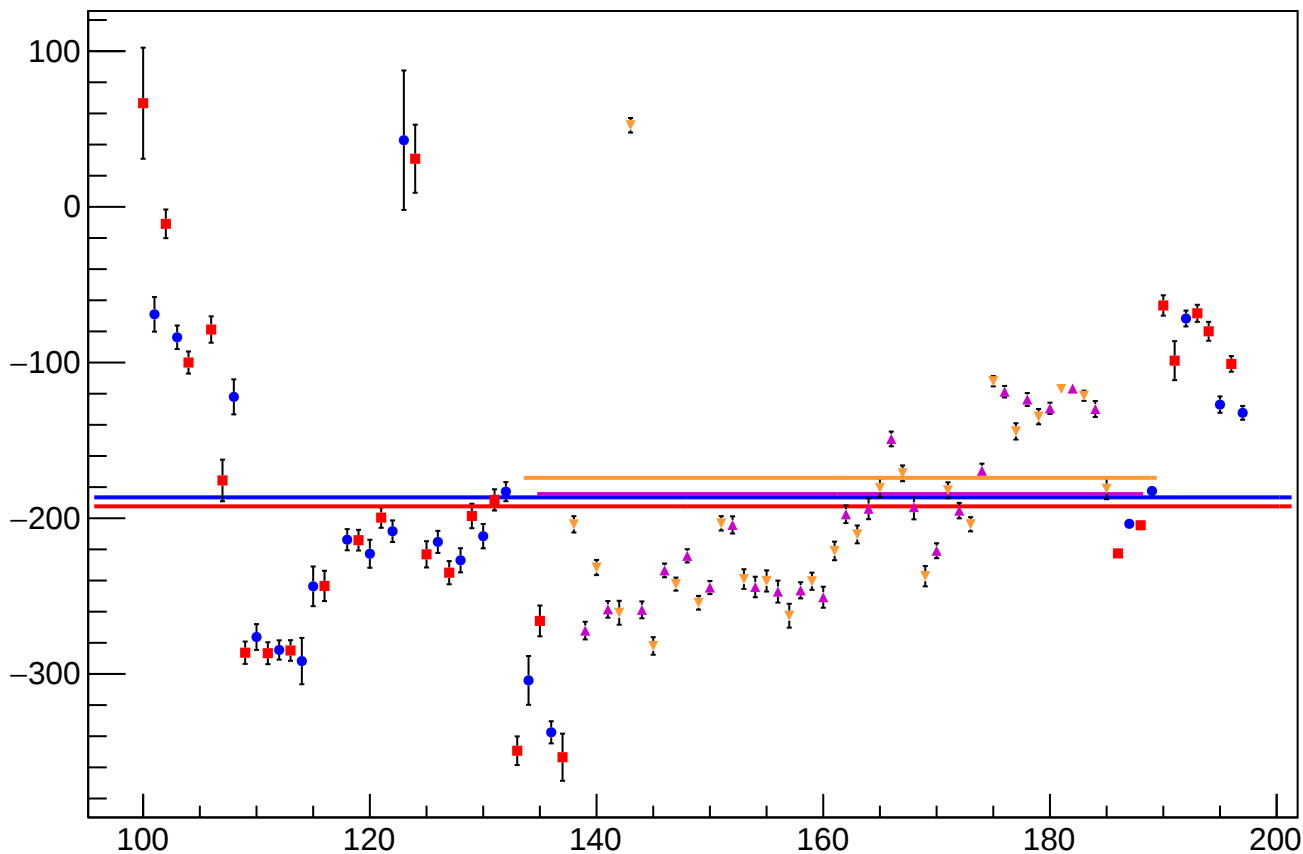
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 5.875 ± 0.596 χ^2/NDF : 884.0/46

All: 4.650 ± 0.421 χ^2/NDF : 1778.8/95

- sign 3.432 ± 0.594 χ^2/NDF : 886.3/48

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -186.576 ± 1.308 $\chi^2/\text{NDF}: 2215.3/21$

Left Out: -174.061 ± 0.971 $\chi^2/\text{NDF}: 5443.3/24$

Right Out: -192.356 ± 1.017 $\chi^2/\text{NDF}: 3795.9/25$

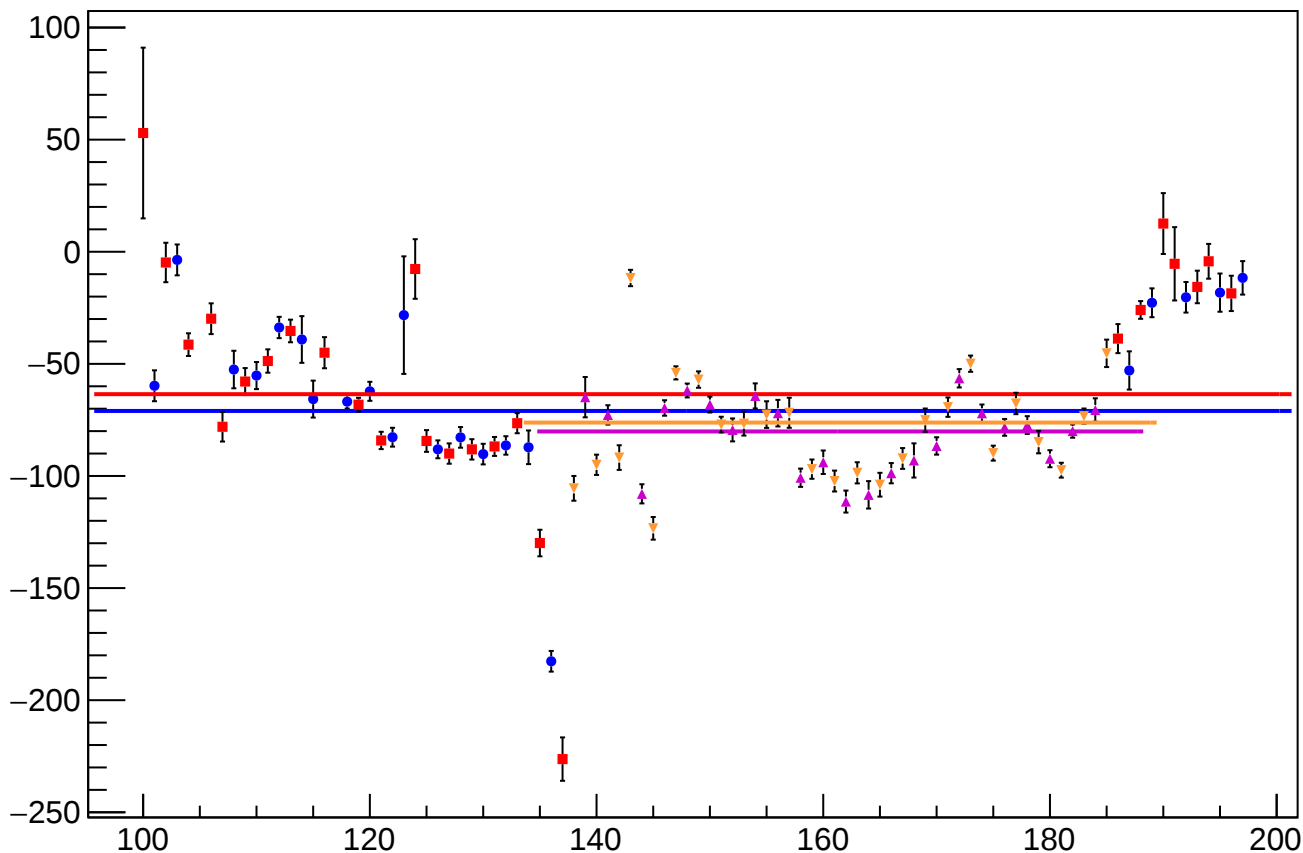
Left In: -184.456 ± 0.991 $\chi^2/\text{NDF}: 3051.6/22$

+ sign -178.507 ± 0.779 $\chi^2/\text{NDF}: 7717.6/46$

All: -183.866 ± 0.525 $\chi^2/\text{NDF}: 14682.5/95$

- sign -188.304 ± 0.709 $\chi^2/\text{NDF}: 6878.4/48$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -70.999 ± 1.161 χ^2/NDF : 1062.1/21

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -63.517 ± 1.095 χ^2/NDF : 1010.2/25

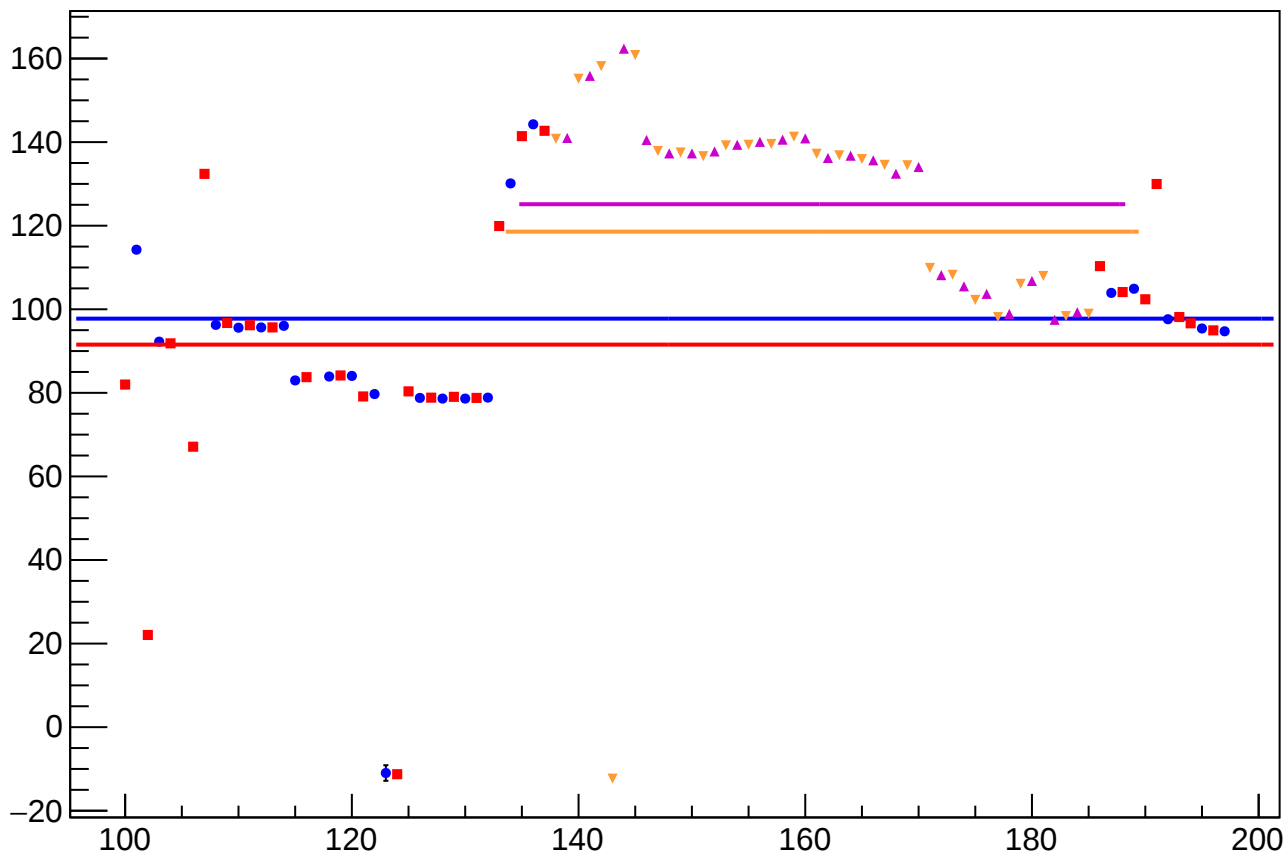
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -74.353 ± 0.690 χ^2/NDF : 1876.0/46

All: -73.949 ± 0.488 χ^2/NDF : 3309.2/95

- sign -73.545 ± 0.690 χ^2/NDF : 1432.5/48

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.756 ± 0.063 $\chi^2/\text{NDF}: 94841.8/21$

Left Out: 118.569 ± 0.040 $\chi^2/\text{NDF}: 728689.7/24$

Right Out: 91.542 ± 0.057 $\chi^2/\text{NDF}: 239745.0/25$

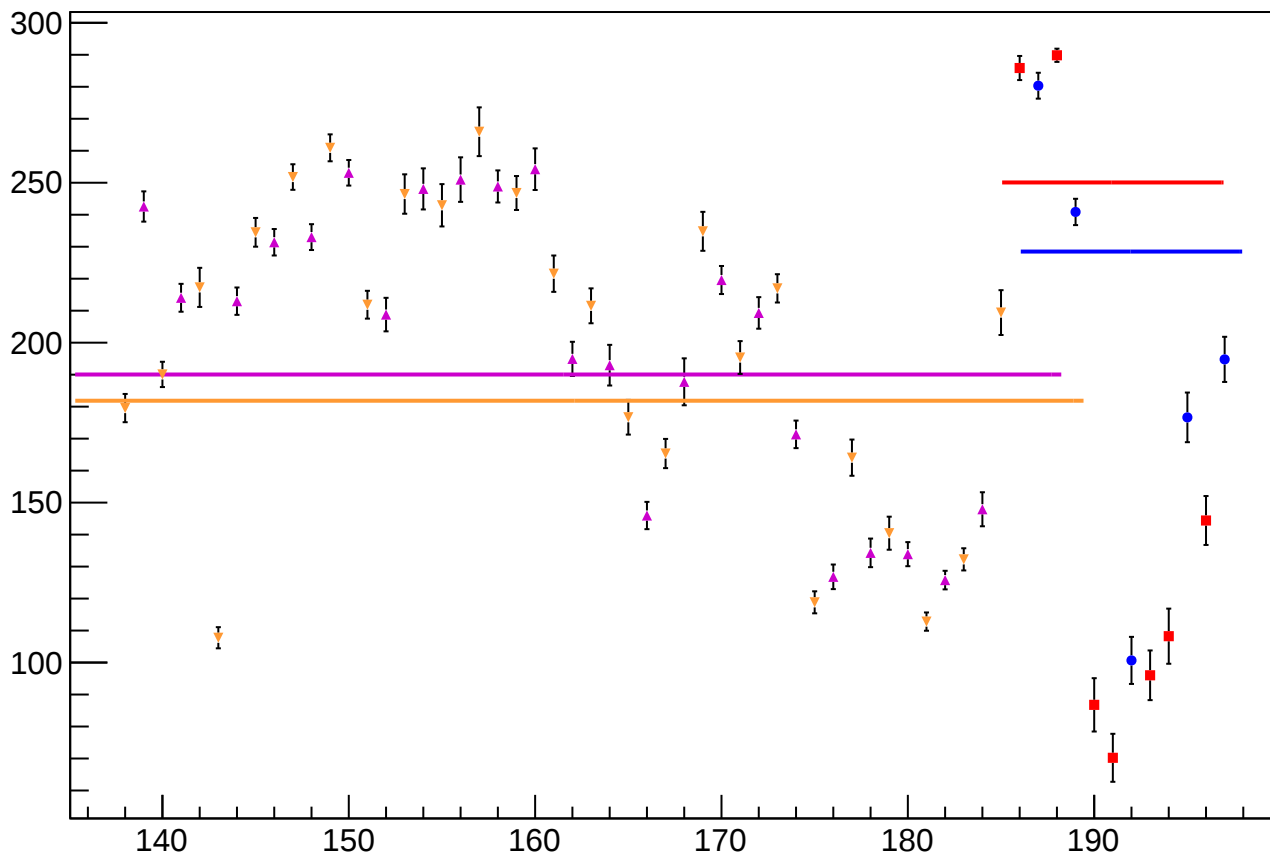
Left In: 125.139 ± 0.041 $\chi^2/\text{NDF}: 220927.1/22$

+ sign 112.515 ± 0.034 $\chi^2/\text{NDF}: 900372.9/46$

All: 113.051 ± 0.024 $\chi^2/\text{NDF}: 1589689.3/95$

- sign 113.565 ± 0.033 $\chi^2/\text{NDF}: 688832.7/48$

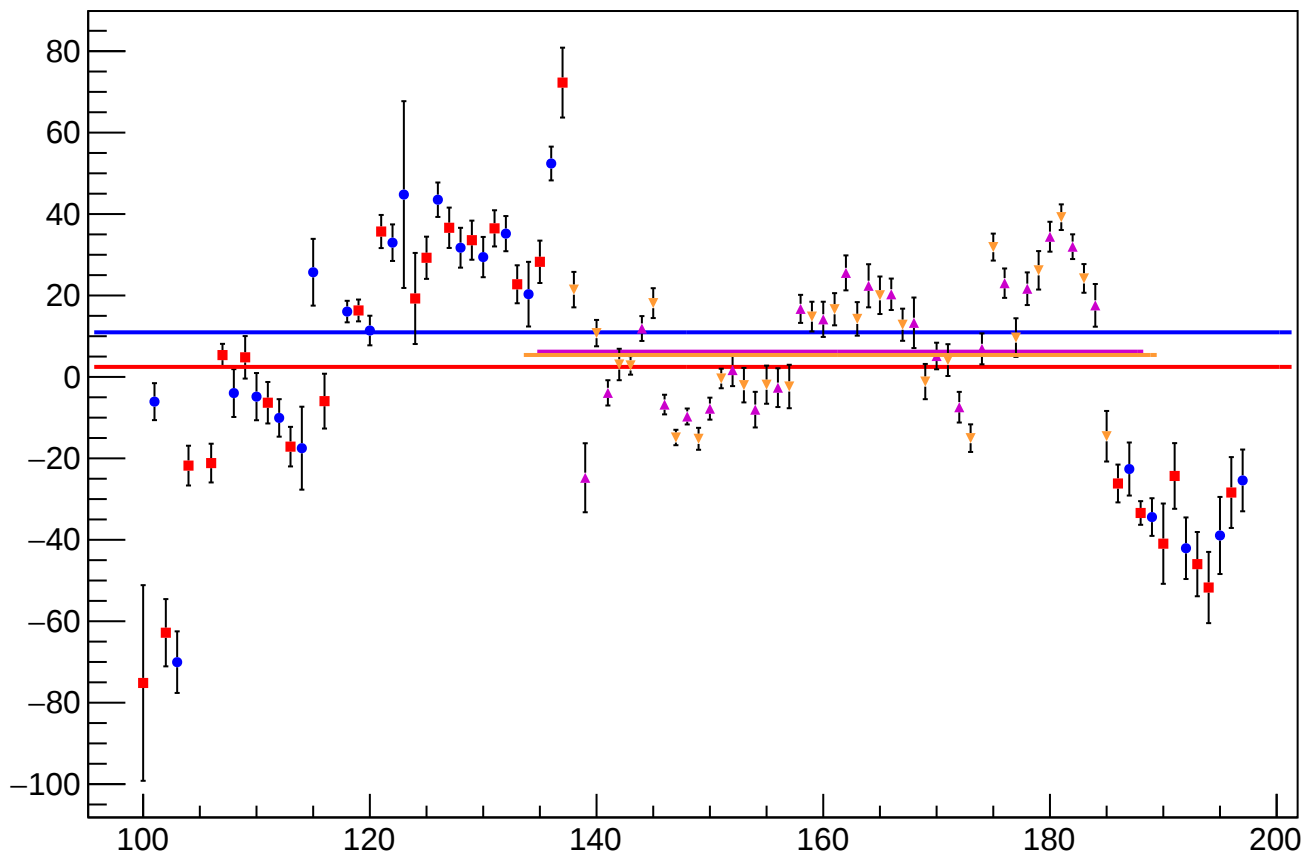
reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 228.485 $\pm$ 2.388 χ^2/NDF : 542.3/4
 Left Out: 181.850 $\pm$ 0.913 χ^2/NDF :3303.4/24
 Right Out: 250.087 $\pm$ 1.615 χ^2/NDF : 2274.1/6
 Left In: 190.048 $\pm$ 0.953 χ^2/NDF :2438.4/22

+ sign 187.800 $\pm$ 0.853 χ^2/NDF : 4178.3/29
 All: 197.023 $\pm$ 0.591 χ^2/NDF : 10141.4/59
 - sign 205.557 $\pm$ 0.821 χ^2/NDF : 5738.0/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 10.955 ± 1.085 χ^2/NDF : 651.3/21

Left Out: 5.394 ± 0.688 χ^2/NDF : 526.5/24

Right Out: 2.463 ± 0.961 χ^2/NDF : 834.4/25

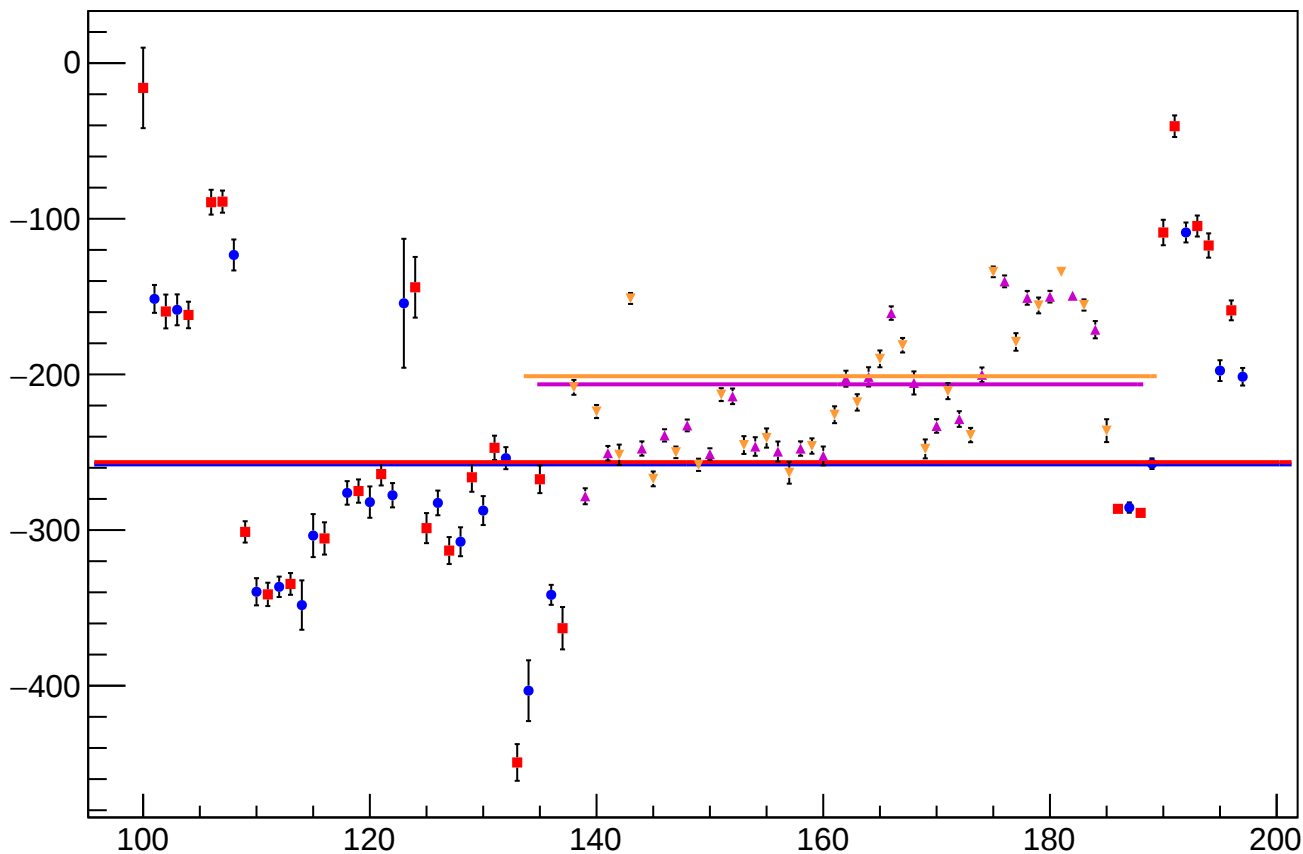
Left In: 6.206 ± 0.732 χ^2/NDF : 407.5/22

+ sign 6.988 ± 0.581 χ^2/NDF : 1196.6/46

All: 5.912 ± 0.411 χ^2/NDF : 2454.9/95

- sign 4.833 ± 0.582 χ^2/NDF : 1251.5/48

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -257.804+/-1.470 χ^2/NDF : 1790.6/21

Left Out: -201.144+/-0.918 χ^2/NDF : 2488.8/24

Right Out: -256.363+/-1.107 χ^2/NDF : 4869.6/25

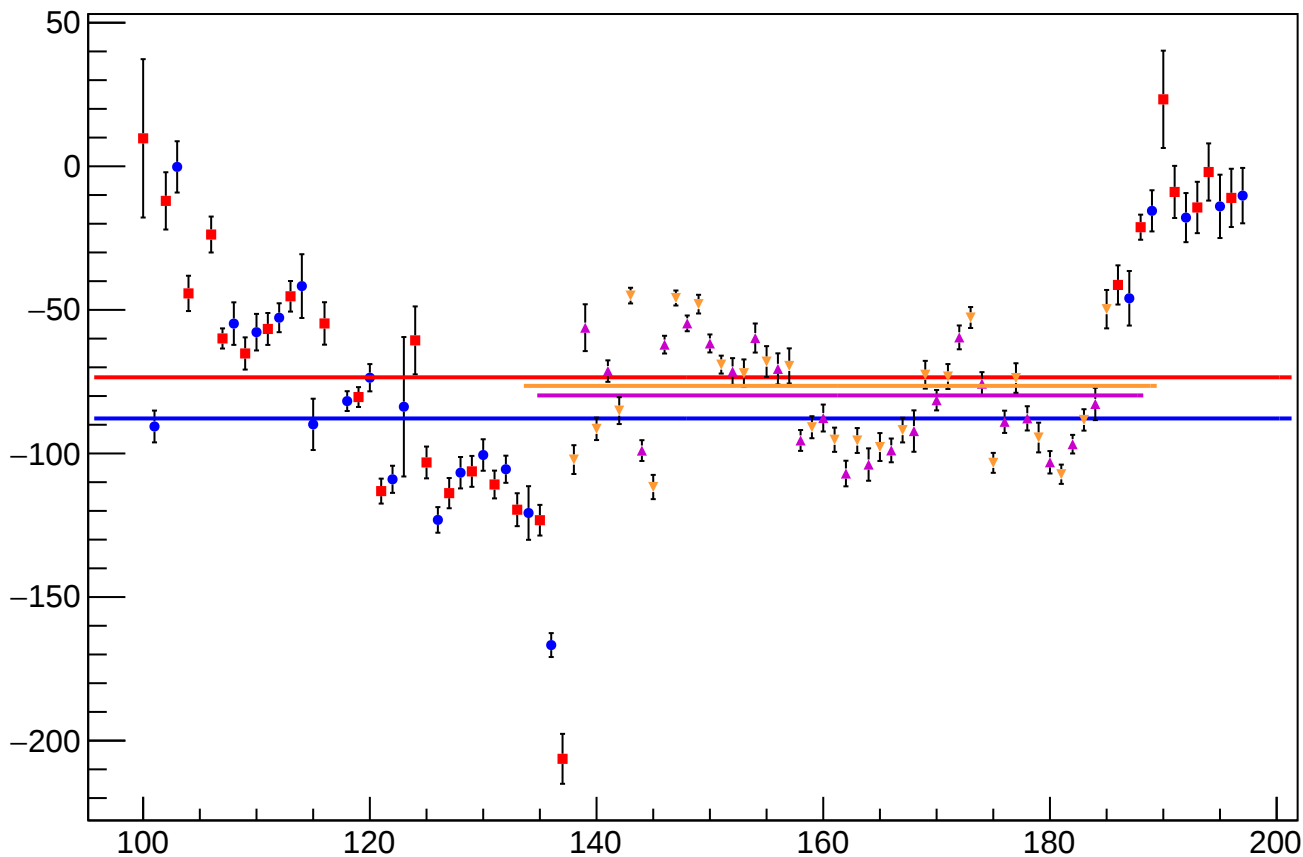
Left In: -206.379+/-0.950 χ^2/NDF : 2111.6/22

+ sign -217.043+/-0.778 χ^2/NDF : 5348.7/46

All: -222.710+/-0.529 χ^2/NDF : 13602.9/95

- sign -227.568+/-0.721 χ^2/NDF : 8155.7/48

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -87.808 $\pm$ 1.273 χ^2/NDF : 999.8/21

Left Out: -76.460 $\pm$ 0.797 χ^2/NDF : 781.3/24

Right Out: -73.483 $\pm$ 1.152 χ^2/NDF : 1232.8/25

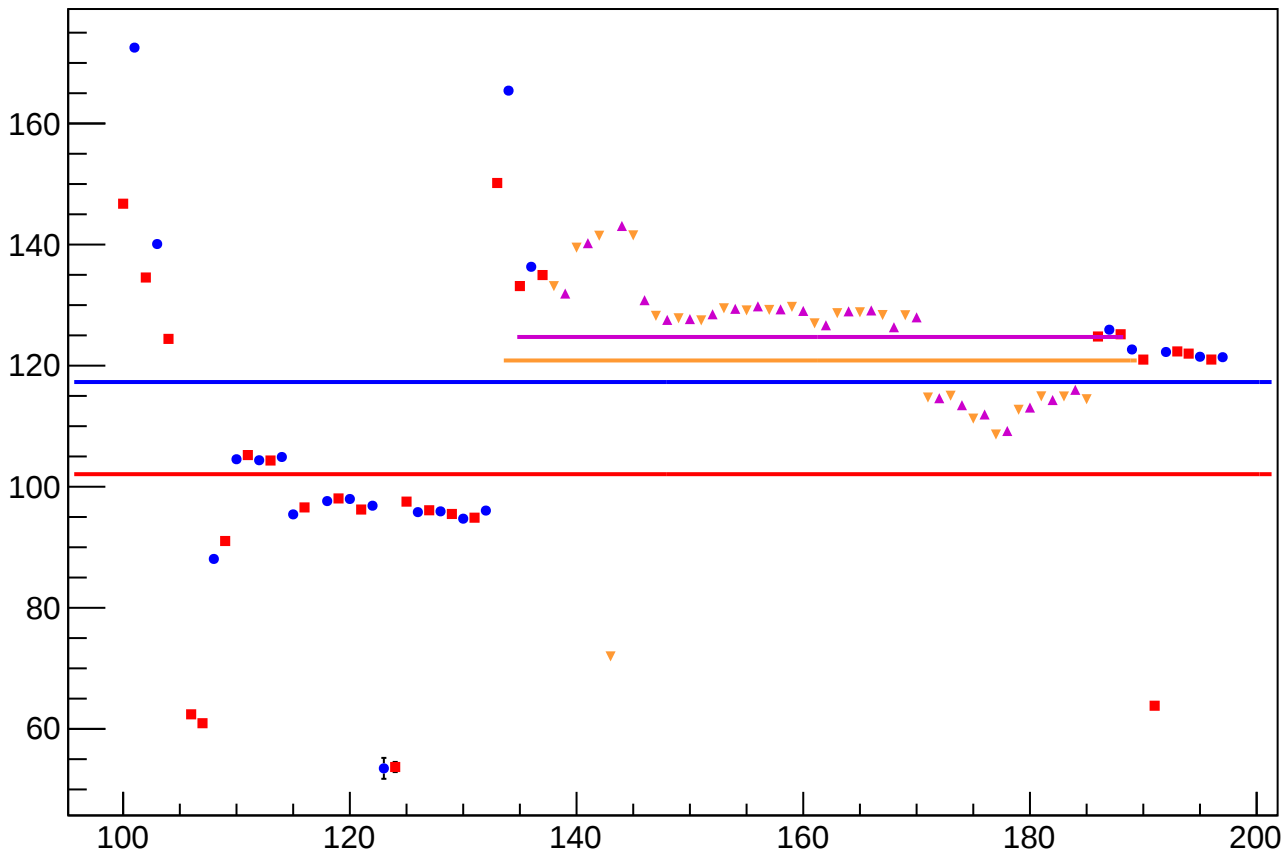
Left In: -79.792 $\pm$ 0.840 χ^2/NDF : 412.3/22

+ sign -79.654 $\pm$ 0.675 χ^2/NDF : 1838.2/46

All: -78.634 $\pm$ 0.479 χ^2/NDF : 3507.5/95

- sign -77.604 $\pm$ 0.679 χ^2/NDF : 1664.6/48

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 117.295 $\pm$ 0.070 χ^2 /NDF: 107070.3/21

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF:182759.1/24

Right Out: 102.074 $\pm$ 0.059 χ^2 /NDF: 225432.0/25

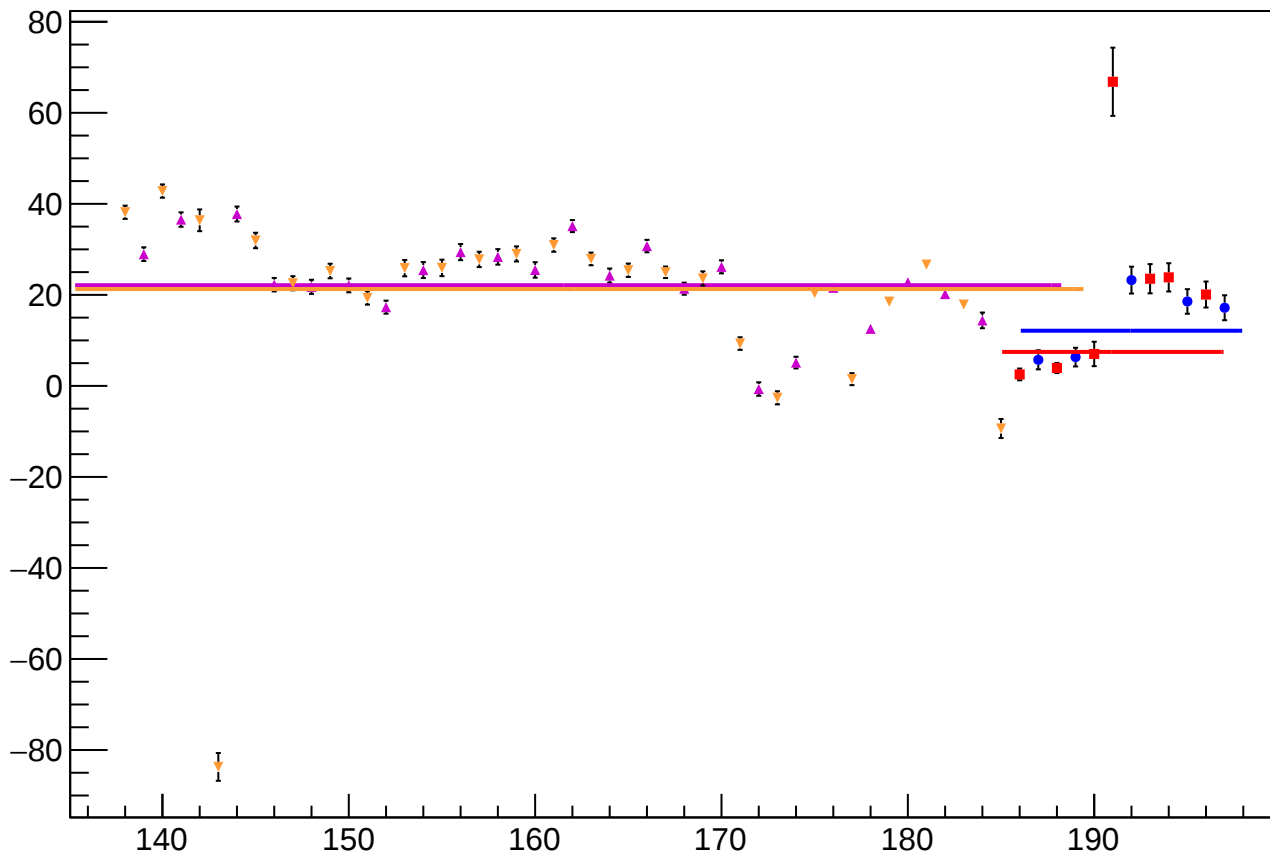
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF:51298.3/22

+ sign 120.040 $\pm$ 0.033 χ^2 /NDF: 291833.4/46

All: 118.869 $\pm$ 0.023 χ^2 /NDF: 673763.7/95

- sign 117.751 $\pm$ 0.033 χ^2 /NDF: 379528.3/48

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 12.123 $\pm$ 1.085 χ^2 /NDF: 40.5/4

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF:2600.5/24

Right Out: 7.471 $\pm$ 0.729 χ^2 /NDF: 159.8/6

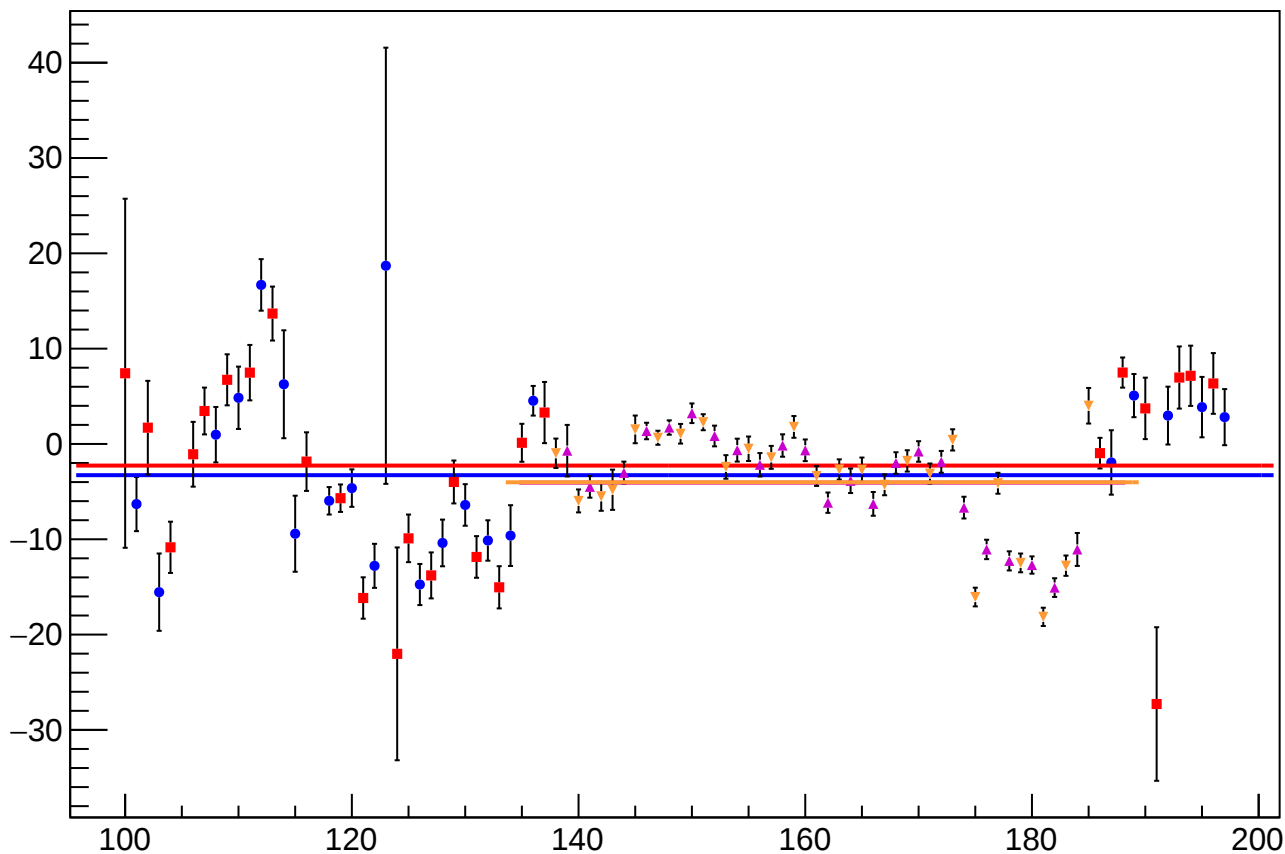
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF:900.2/22

+ sign 20.700 $\pm$ 0.273 χ^2 /NDF: 2707.8/29

All: 20.431 $\pm$ 0.191 χ^2 /NDF: 4120.3/59

- sign 20.177 $\pm$ 0.266 χ^2 /NDF: 1410.6/29

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -3.275 ± 0.535 $\chi^2/\text{NDF}: 205.8/21$

Left Out: -4.022 ± 0.223 $\chi^2/\text{NDF}: 734.1/24$

Right Out: -2.268 ± 0.493 $\chi^2/\text{NDF}: 286.5/25$

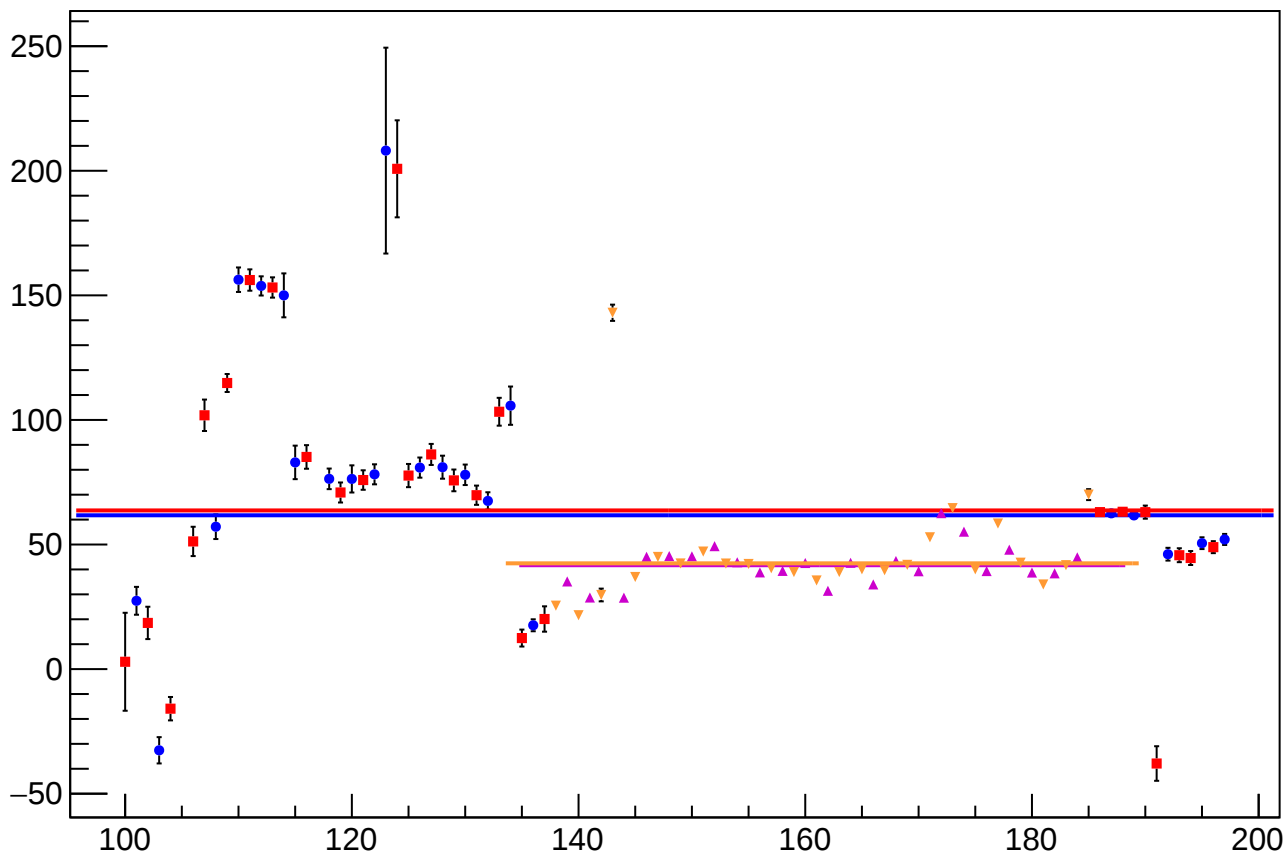
Left In: -4.059 ± 0.228 $\chi^2/\text{NDF}: 577.2/22$

+ sign -3.911 ± 0.206 $\chi^2/\text{NDF}: 941.6/46$

All: -3.828 ± 0.146 $\chi^2/\text{NDF}: 1816.5/95$

- sign -3.743 ± 0.207 $\chi^2/\text{NDF}: 874.6/48$

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 61.731 $\pm$ 0.700 χ^2 /NDF: 1966.6/21

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 63.684 $\pm$ 0.525 χ^2 /NDF: 2356.4/25

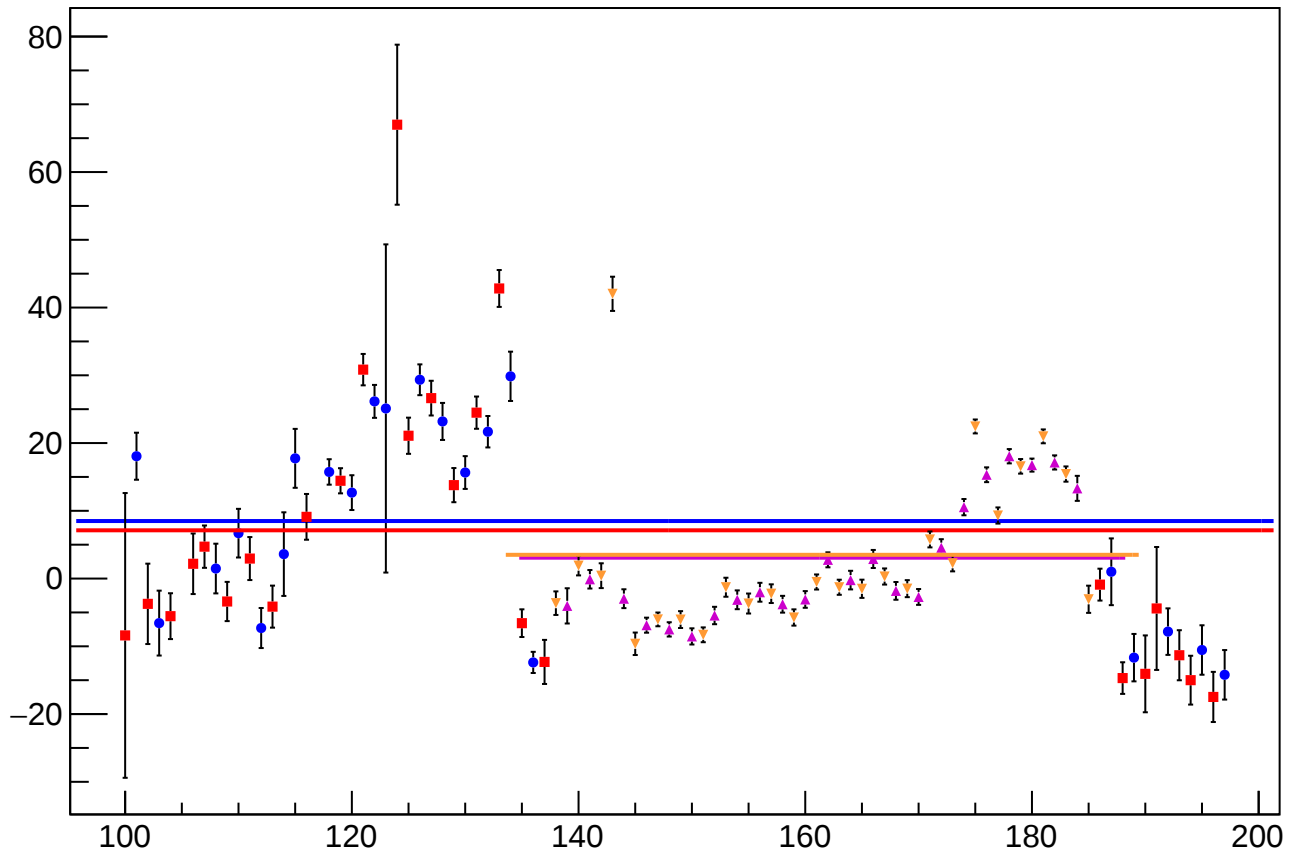
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 45.144 $\pm$ 0.262 χ^2 /NDF: 4635.5/46

All: 45.945 $\pm$ 0.181 χ^2 /NDF: 8997.2/95

- sign 46.677 $\pm$ 0.250 χ^2 /NDF: 4343.7/48

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 8.491 ± 0.620 χ^2/NDF : 616.9/21

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 7.122 ± 0.588 χ^2/NDF : 813.5/25

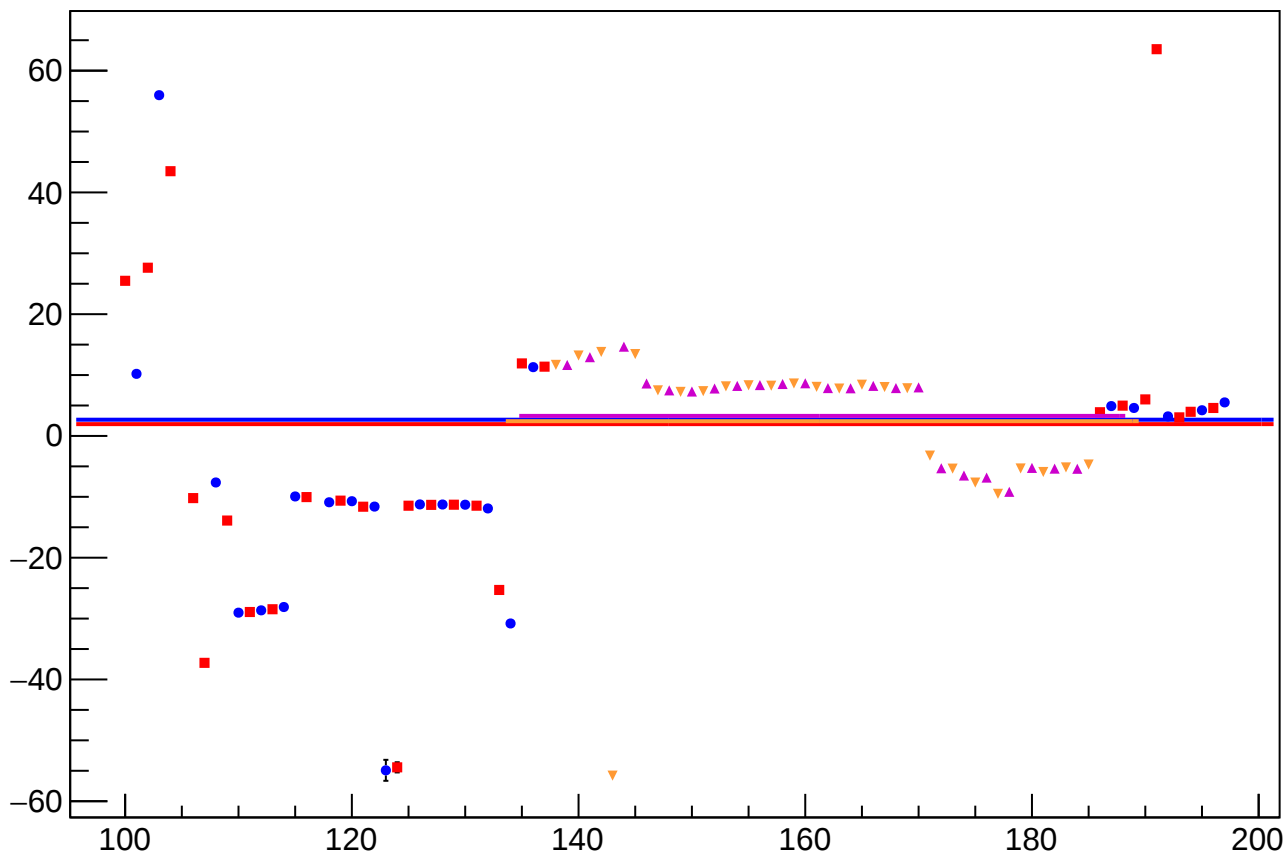
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 4.215 ± 0.234 χ^2/NDF : 2363.7/46

All: 3.974 ± 0.166 χ^2/NDF : 4484.7/95

- sign 3.729 ± 0.236 χ^2/NDF : 2118.8/48

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 2.667 ± 0.031 $\chi^2/\text{NDF}: 359187.2/21$

Left Out: 2.425 ± 0.012 $\chi^2/\text{NDF}: 616382.5/24$

Right Out: 1.940 ± 0.030 $\chi^2/\text{NDF}: 429541.2/25$

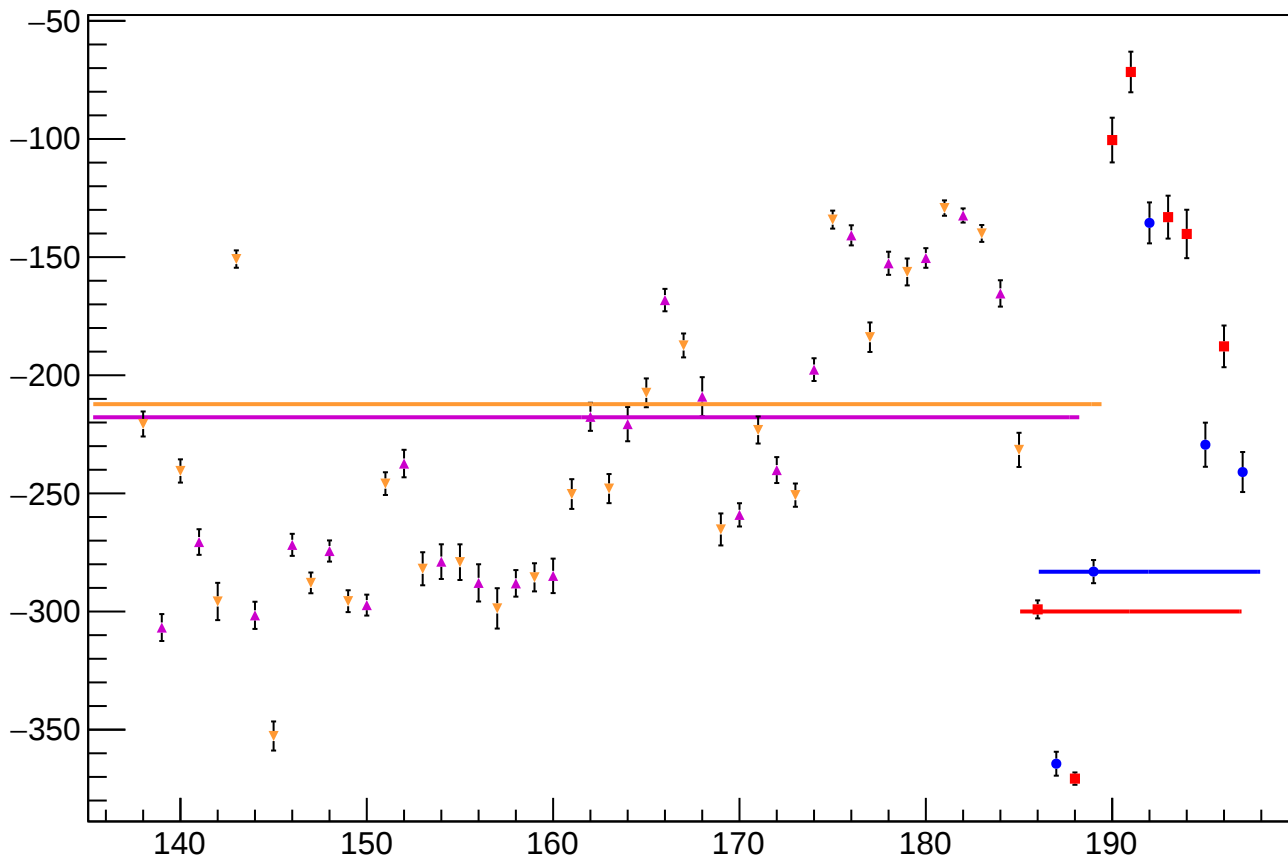
Left In: 3.293 ± 0.012 $\chi^2/\text{NDF}: 404323.8/22$

+ sign 2.454 ± 0.011 $\chi^2/\text{NDF}: 975622.0/46$

All: 2.783 ± 0.008 $\chi^2/\text{NDF}: 1813118.3/95$

- sign 3.113 ± 0.011 $\chi^2/\text{NDF}: 835654.0/48$

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -283.159 ± 2.894 χ^2/NDF : 605.7/4

Left Out: -212.231 ± 1.029 χ^2/NDF : 3875.4/24

Right Out: -299.980 ± 1.908 χ^2/NDF : 2626.6/6

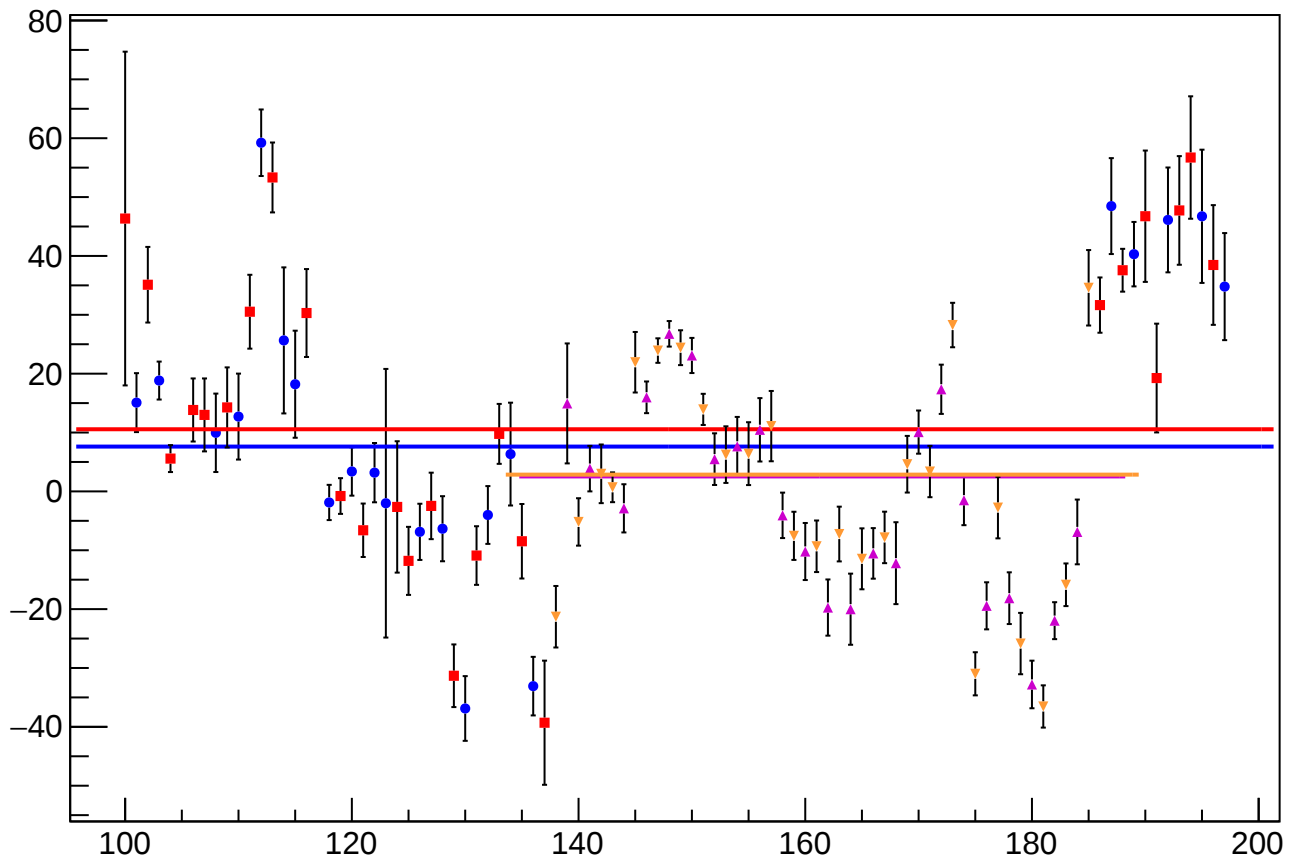
Left In: -217.779 ± 1.067 χ^2/NDF : 3448.9/22

+ sign -220.198 ± 0.970 χ^2/NDF : 5014.3/29

All: -229.124 ± 0.672 χ^2/NDF : 12666.4/59

- sign -237.352 ± 0.931 χ^2/NDF : 7489.3/29

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 7.613 ± 1.174 $\chi^2/\text{NDF}: 367.9/21$

Left Out: 2.848 ± 0.775 $\chi^2/\text{NDF}: 582.1/24$

Right Out: 10.557 ± 1.045 $\chi^2/\text{NDF}: 382.8/25$

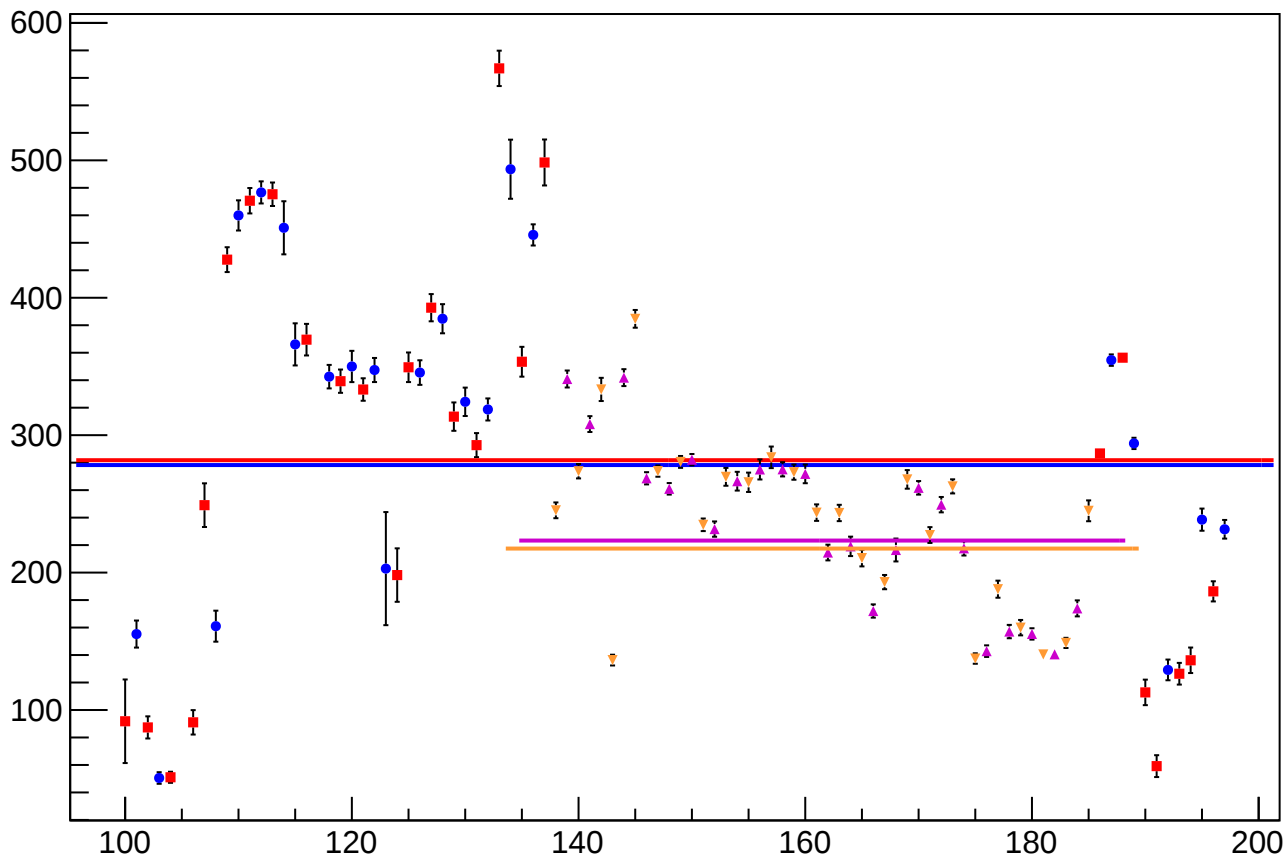
Left In: 2.540 ± 0.822 $\chi^2/\text{NDF}: 473.6/22$

+ sign 4.293 ± 0.647 $\chi^2/\text{NDF}: 961.5/46$

All: 4.951 ± 0.457 $\chi^2/\text{NDF}: 1856.3/95$

- sign 5.608 ± 0.646 $\chi^2/\text{NDF}: 892.8/48$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 278.251 ± 1.629 χ^2/NDF : 5912.2/21

Left Out: 217.484 ± 1.032 χ^2/NDF : 3769.5/24

Right Out: 281.785 ± 1.251 χ^2/NDF : 9771.0/25

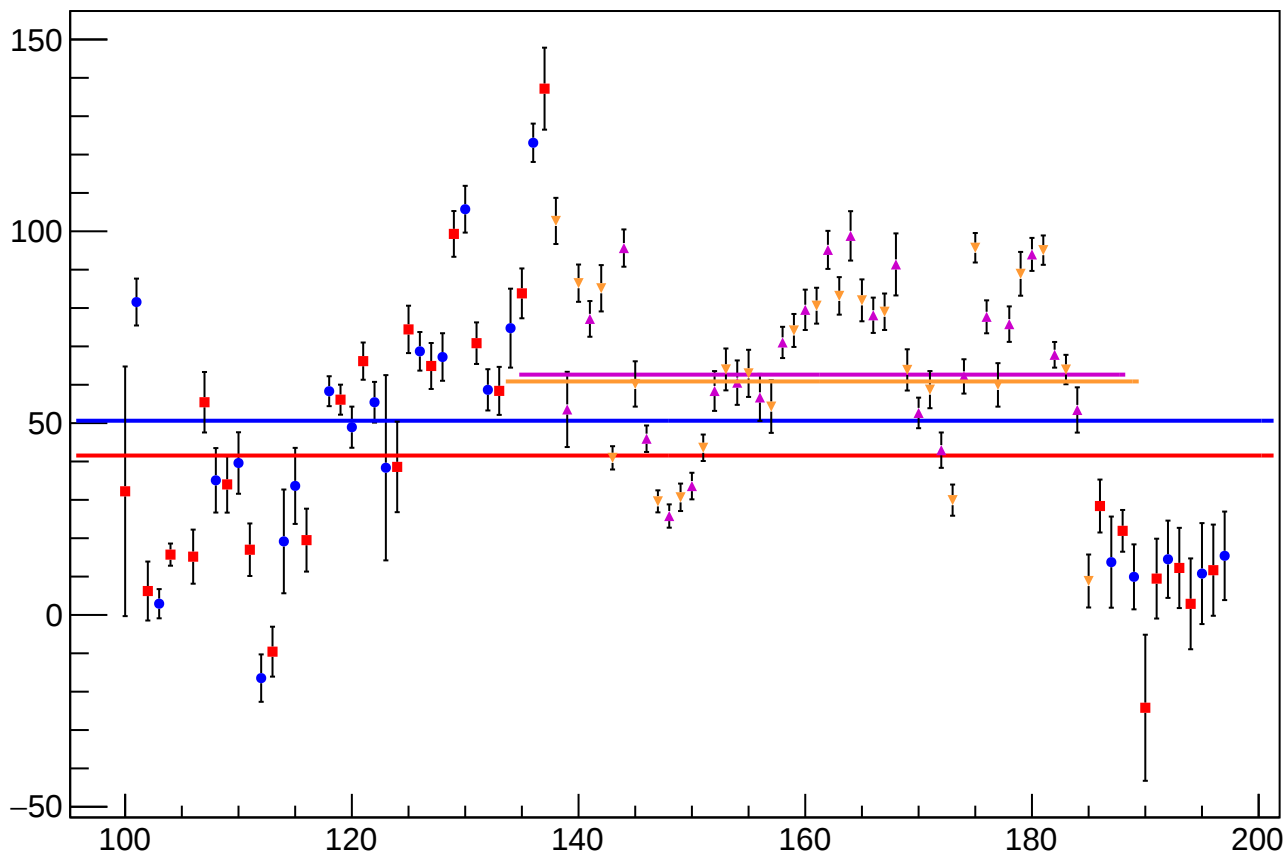
Left In: 223.309 ± 1.062 χ^2/NDF : 3378.0/22

+ sign 234.896 ± 0.872 χ^2/NDF : 10674.5/46

All: 241.828 ± 0.593 χ^2/NDF : 25211.3/95

- sign 247.801 ± 0.810 χ^2/NDF : 14419.1/48

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 50.624 $\pm$ 1.379 χ^2 /NDF: 703.2/21

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 41.553 $\pm$ 1.258 χ^2 /NDF: 599.9/25

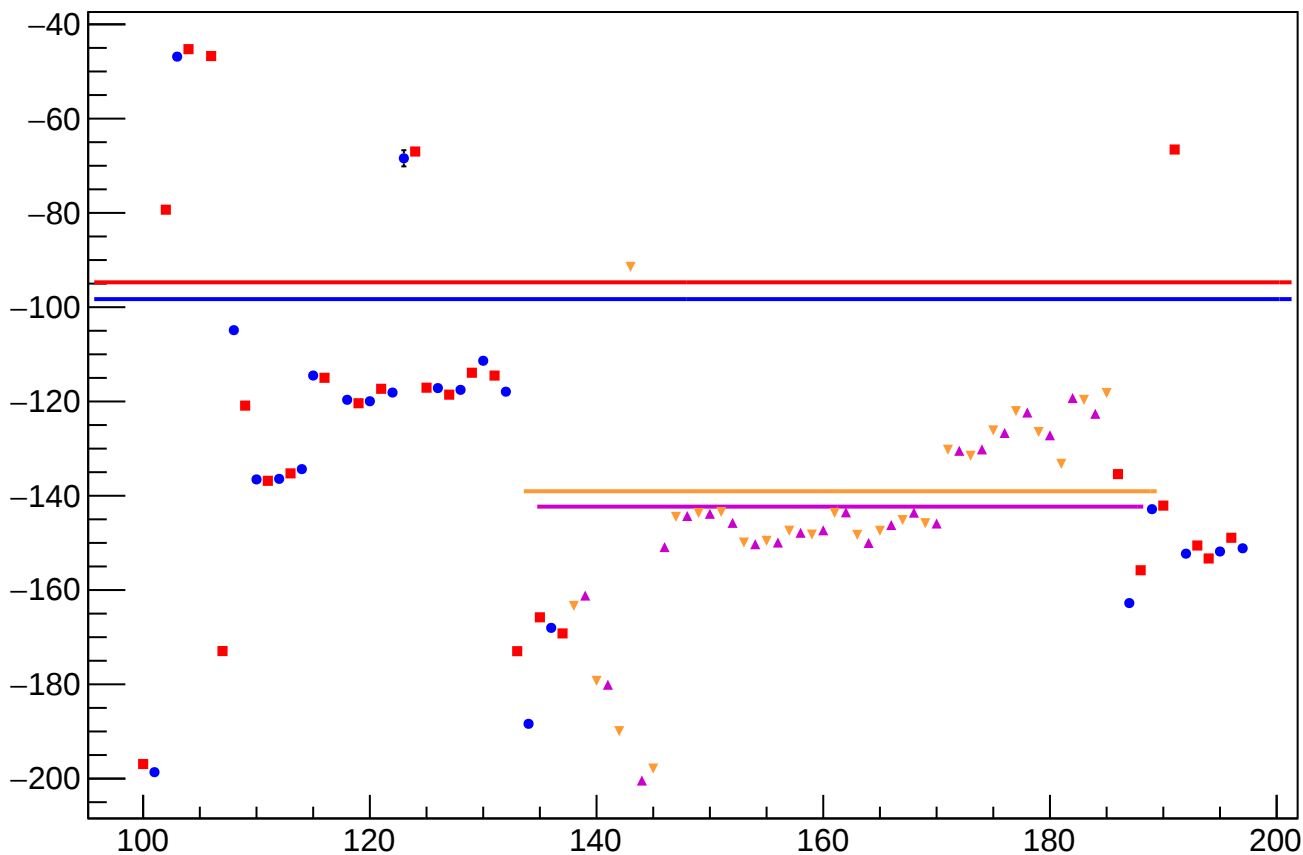
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 57.820 $\pm$ 0.752 χ^2 /NDF: 1473.6/46

All: 56.445 $\pm$ 0.533 χ^2 /NDF: 2775.4/95

- sign 55.060 $\pm$ 0.754 χ^2 /NDF: 1295.1/48

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -98.286 ± 0.063 χ^2/NDF : 631001.2/21

Left Out: -139.040 ± 0.043 χ^2/NDF : 258113.4/24

Right Out: -94.724 ± 0.058 χ^2/NDF : 662494.6/25

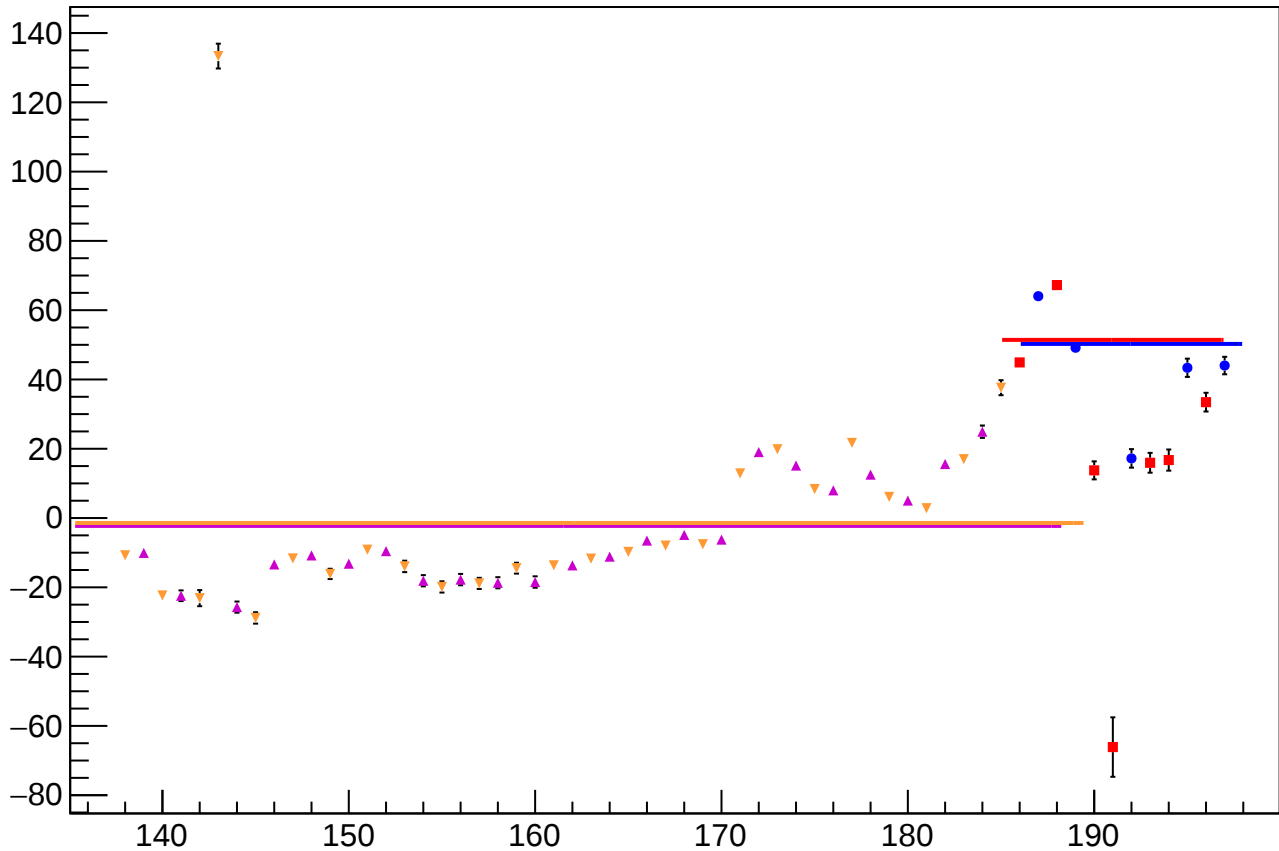
Left In: -142.305 ± 0.044 χ^2/NDF : 143351.8/22

+ sign -126.267 ± 0.036 χ^2/NDF : 1172358.8/46

All: -125.655 ± 0.025 χ^2/NDF : 2401253.8/95

- sign -125.055 ± 0.035 χ^2/NDF : 1228307.3/48

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 50.260 $\pm$ 0.837 χ^2 /NDF: 263.8/4

Left Out: -1.427 $\pm$ 0.268 χ^2 /NDF: 4339.0/24

Right Out: 51.426 $\pm$ 0.532 χ^2 /NDF: 1198.1/6

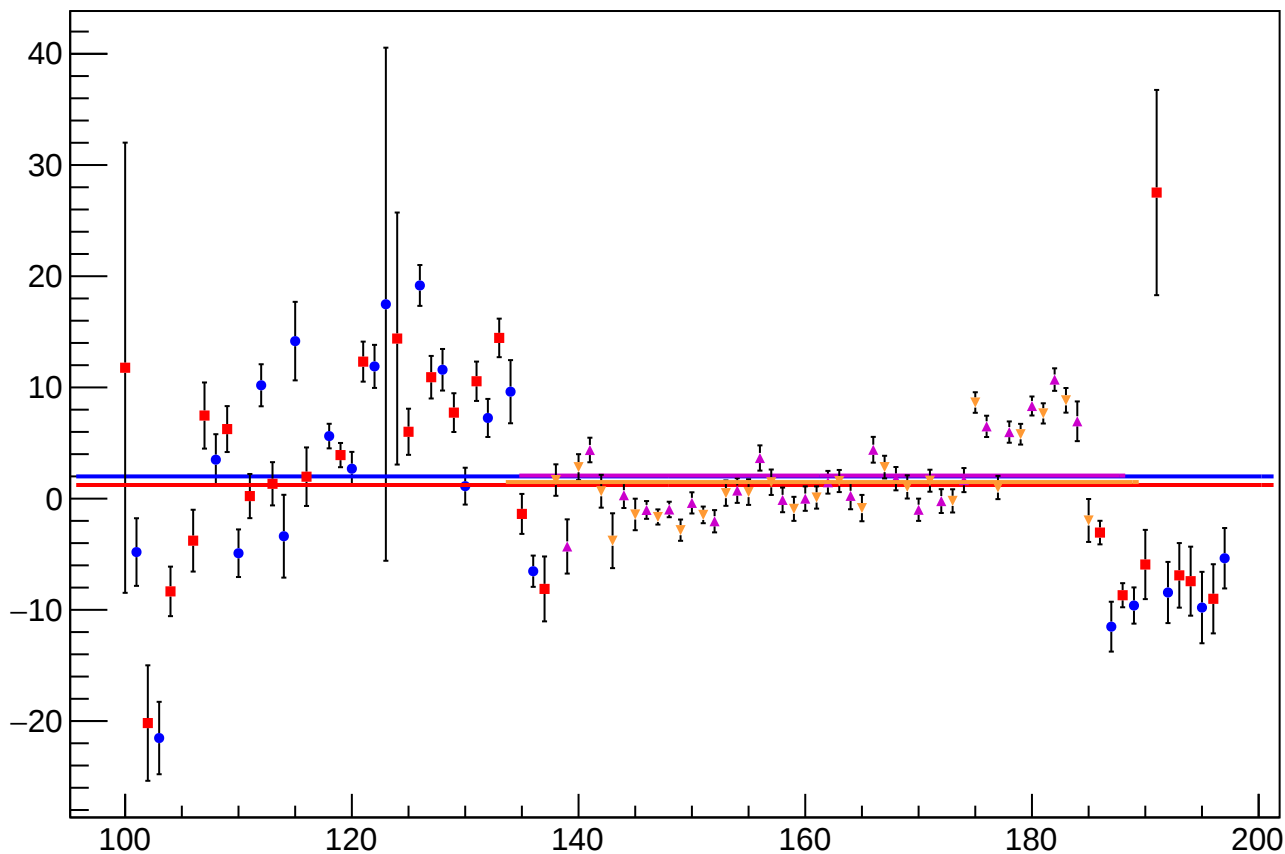
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 3.368 $\pm$ 0.255 χ^2 /NDF: 8062.9/29

All: 6.219 $\pm$ 0.175 χ^2 /NDF: 20109.5/59

- sign 8.773 $\pm$ 0.241 χ^2 /NDF: 11809.5/29

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 1.998 ± 0.429 χ^2/NDF : 428.1/21

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: 1.226 ± 0.388 χ^2/NDF : 378.2/25

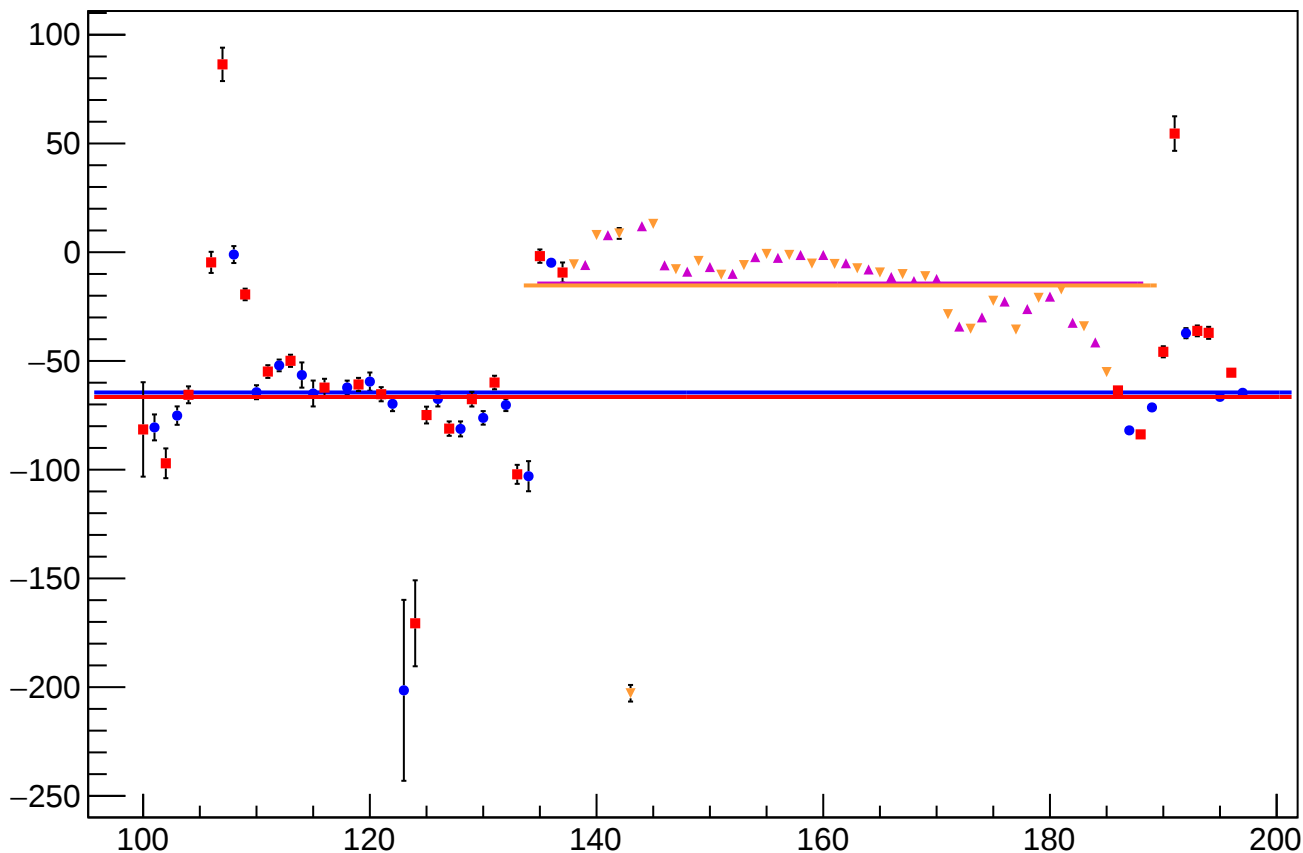
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.589 ± 0.189 χ^2/NDF : 688.3/46

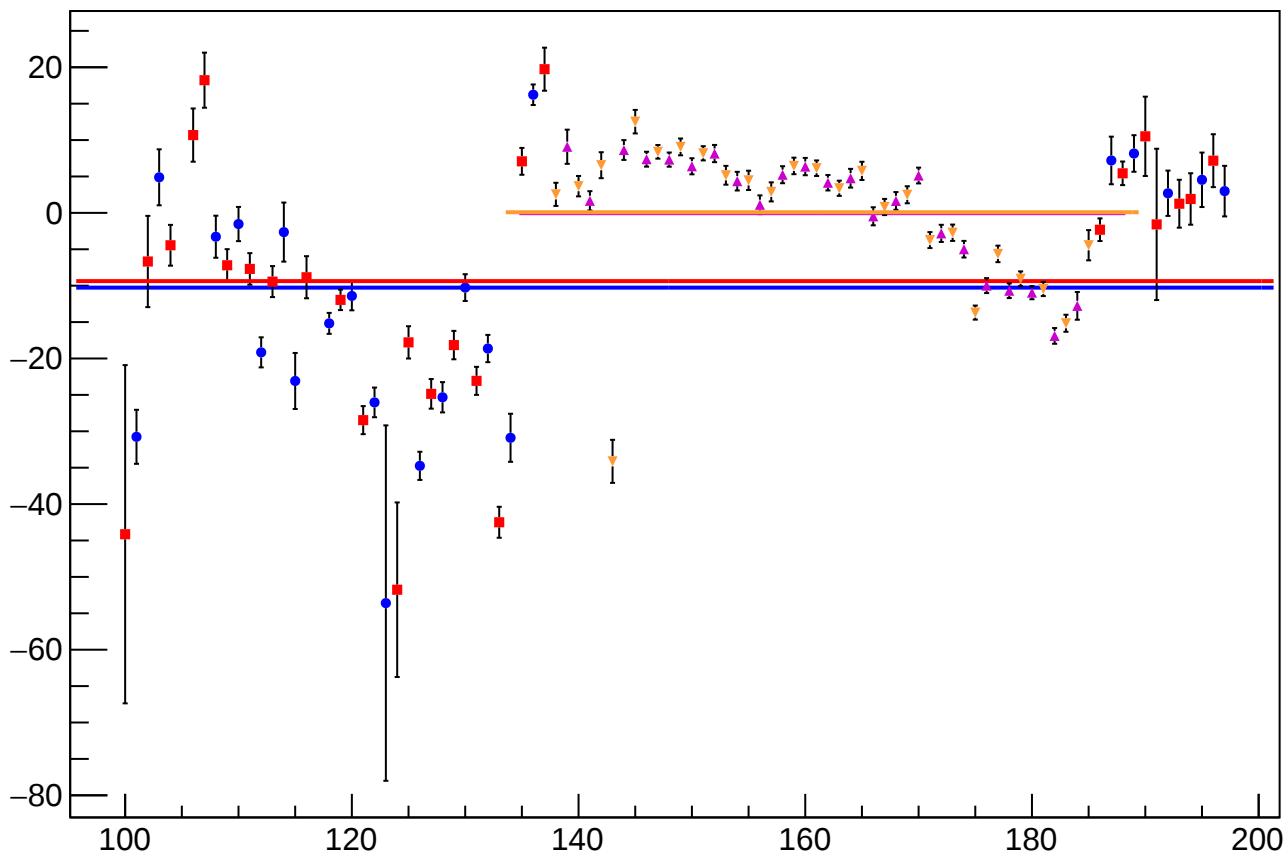
All: 1.732 ± 0.133 χ^2/NDF : 1345.9/95

- sign 1.875 ± 0.188 χ^2/NDF : 656.4/48

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -10.266 ± 0.502 χ^2/NDF : 928.3/21

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -9.372 ± 0.470 χ^2/NDF : 926.1/25

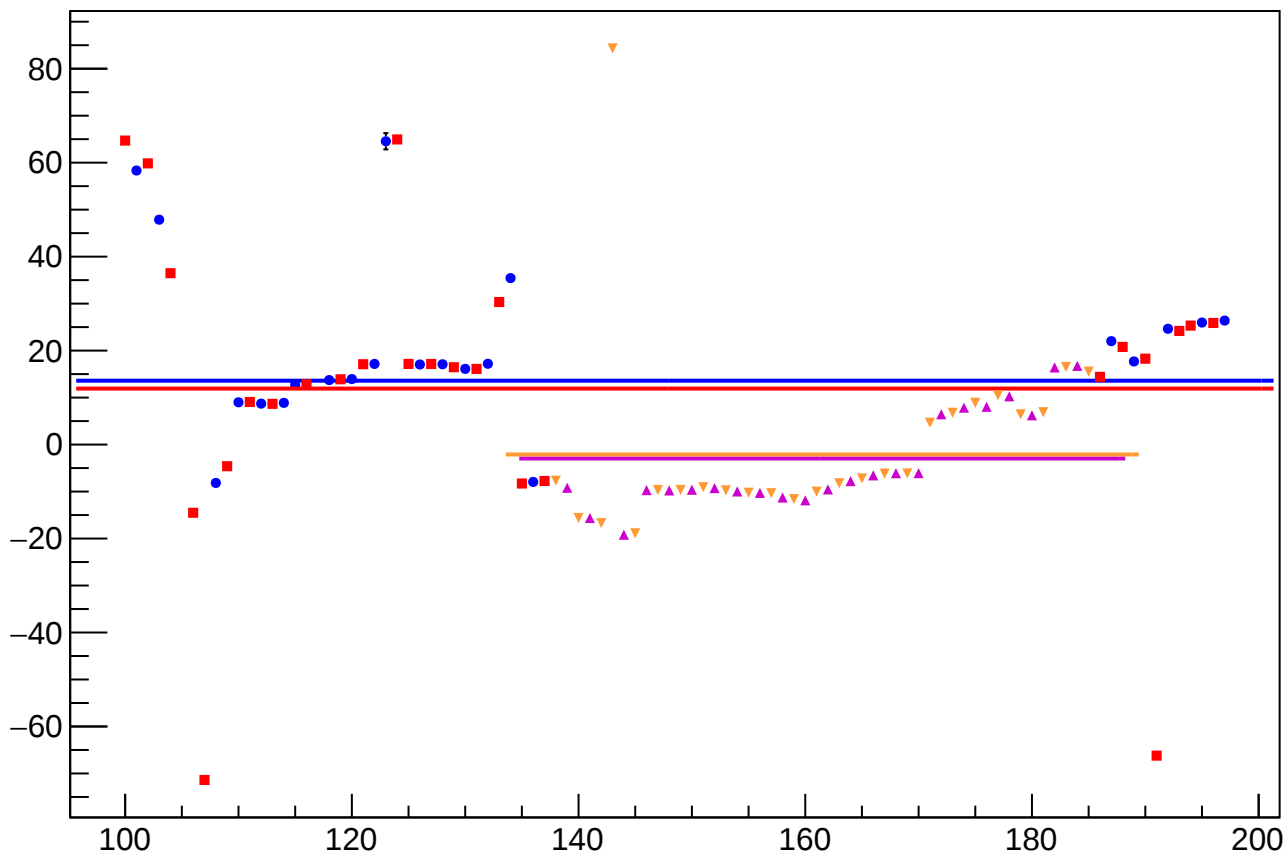
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.817 ± 0.215 χ^2/NDF : 2447.9/46

All: -1.915 ± 0.152 χ^2/NDF : 4713.8/95

- sign -2.015 ± 0.216 χ^2/NDF : 2265.5/48

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 13.597 $\pm$ 0.027 χ^2 /NDF: 430697.1/21

Left Out: -2.105 $\pm$ 0.011 χ^2 /NDF: 1093120.2/24

Right Out: 11.921 $\pm$ 0.025 χ^2 /NDF: 696014.9/25

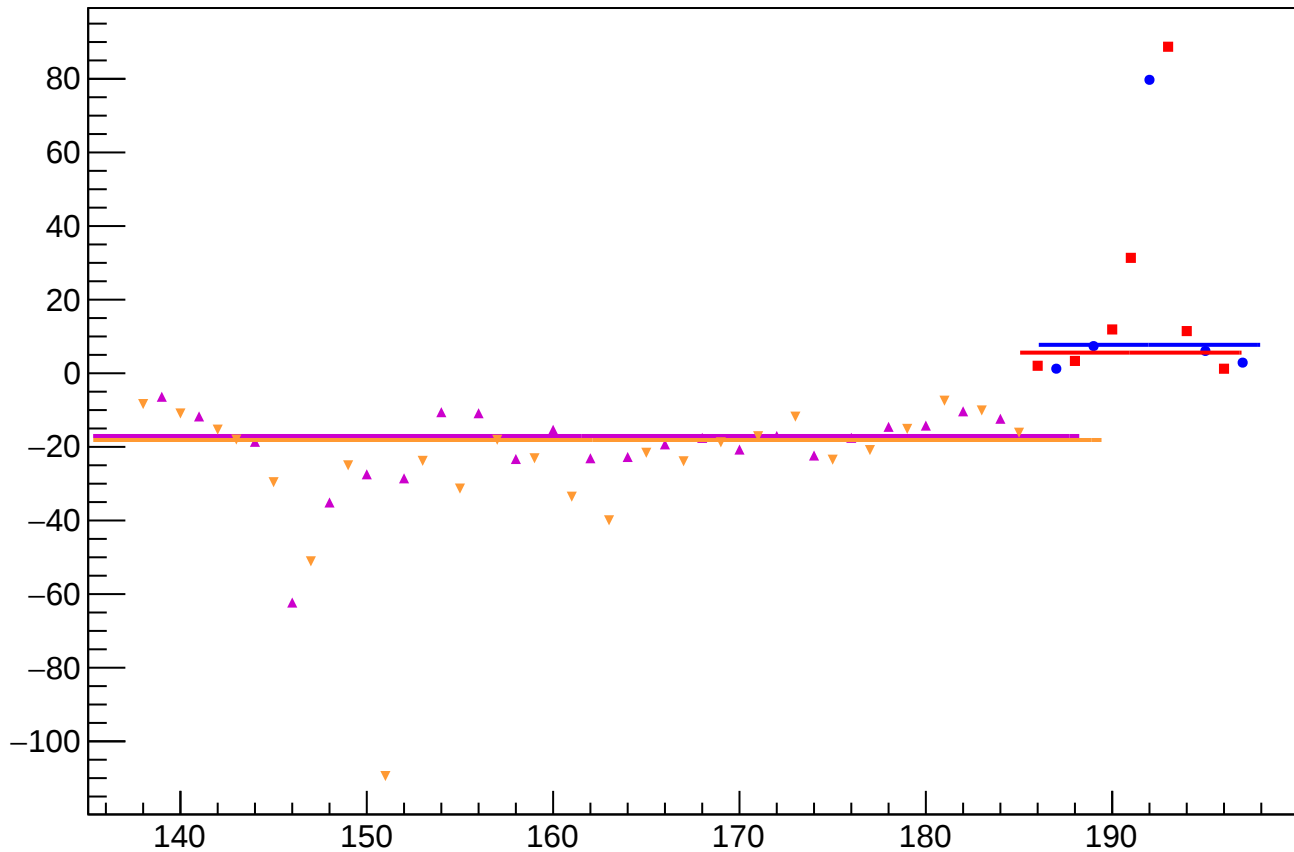
Left In: -2.959 $\pm$ 0.011 χ^2 /NDF: 763000.9/22

+ sign 0.149 $\pm$ 0.010 χ^2 /NDF: 1820543.4/46

All: -0.228 $\pm$ 0.007 χ^2 /NDF: 3571898.6/95

- sign -0.604 $\pm$ 0.010 χ^2 /NDF: 1748576.4/48

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 7.730 ± 0.099 χ^2/NDF : 24291.9/4

Left Out: -18.128 ± 0.039 χ^2/NDF : 88551.6/24

Right Out: 5.607 ± 0.079 χ^2/NDF : 24826.9/6

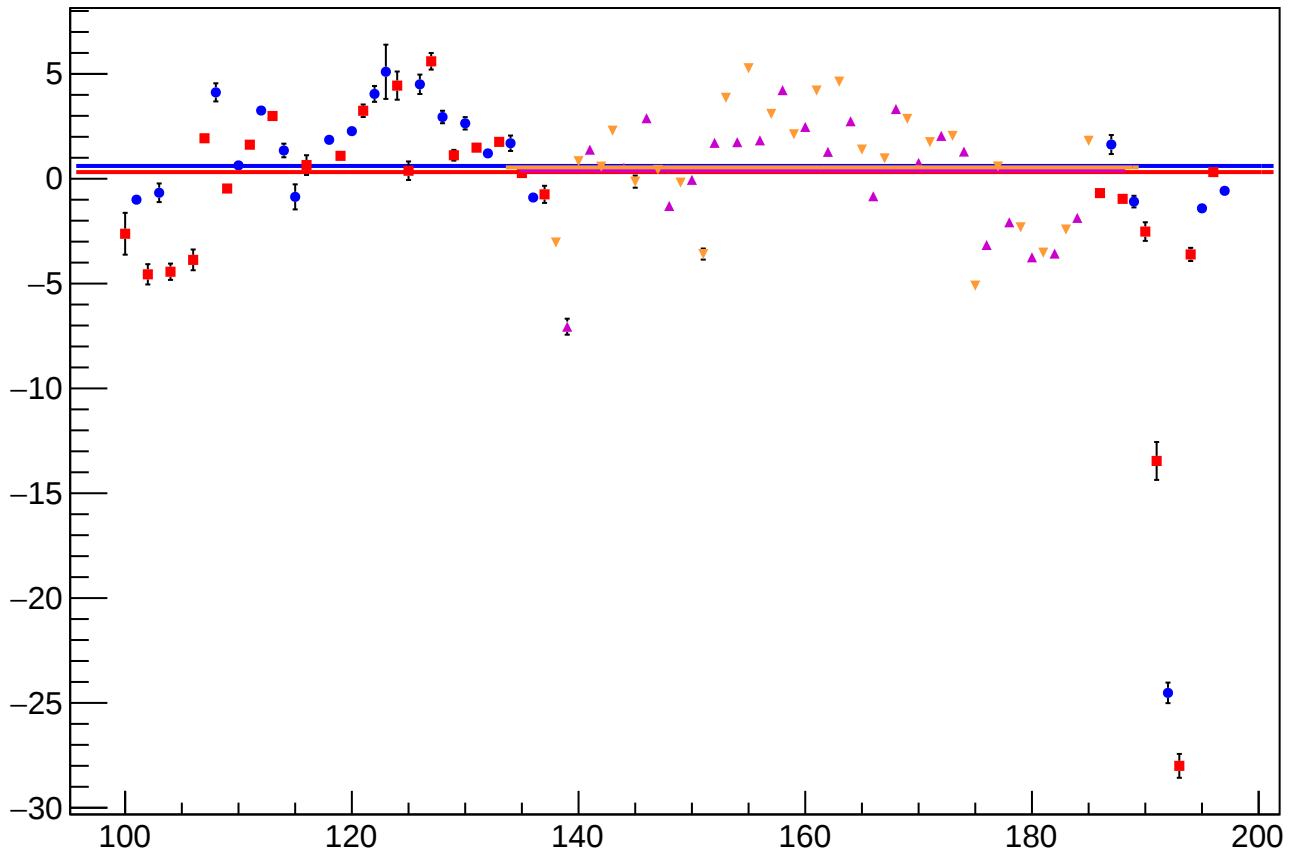
Left In: -17.038 ± 0.038 χ^2/NDF : 44141.1/22

+ sign -14.646 ± 0.036 χ^2/NDF : 172296.7/29

All: -13.645 ± 0.025 χ^2/NDF : 309537.9/59

- sign -12.743 ± 0.034 χ^2/NDF : 135786.7/29

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.610 ± 0.054 χ^2/NDF : 3618.8/21

Left Out: 0.543 ± 0.032 χ^2/NDF : 7085.3/24

Right Out: 0.317 ± 0.050 χ^2/NDF : 4094.2/25

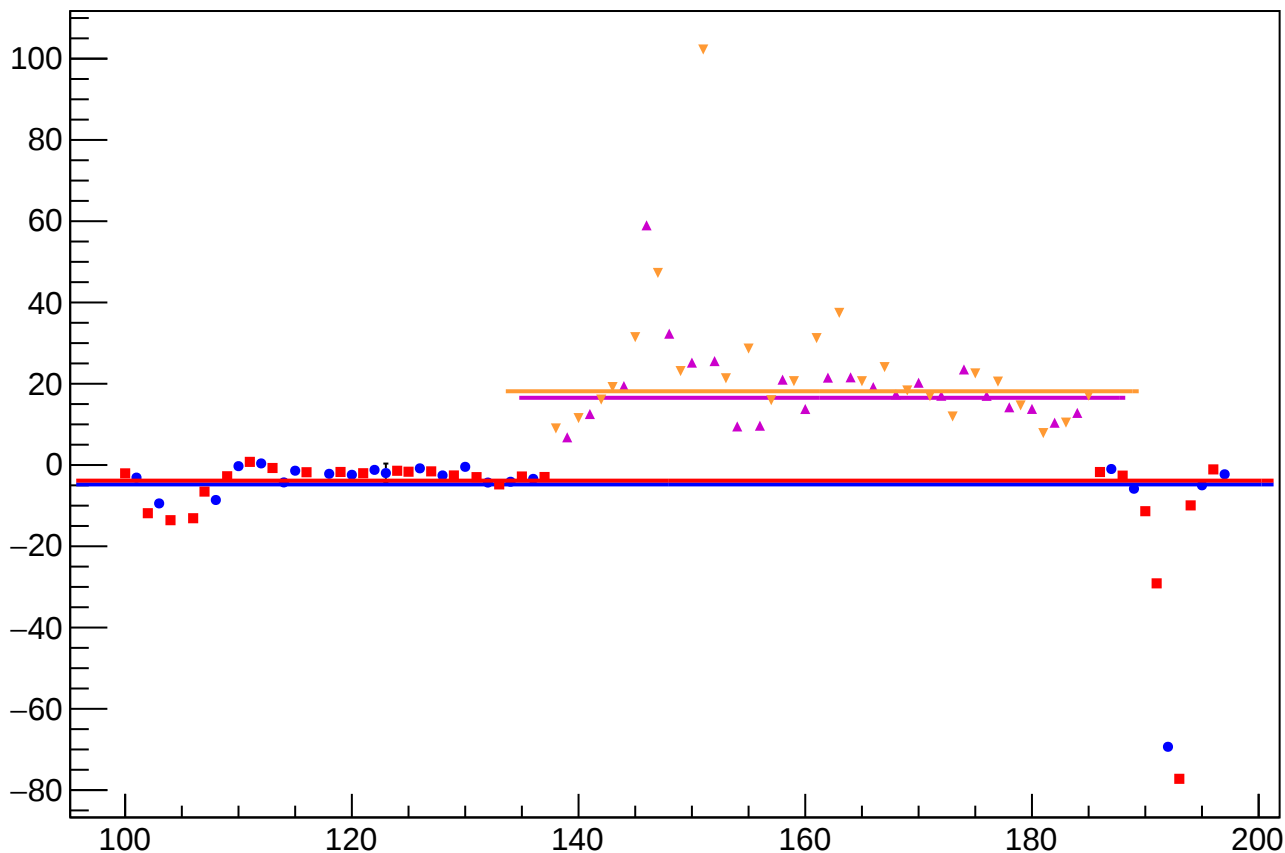
Left In: 0.397 ± 0.031 χ^2/NDF : 6235.6/22

+ sign 0.561 ± 0.028 χ^2/NDF : 10705.2/46

All: 0.462 ± 0.019 χ^2/NDF : 21060.3/95

- sign 0.375 ± 0.026 χ^2/NDF : 10331.7/48

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -4.774 ± 0.066 $\chi^2/\text{NDF}: 25854.9/21$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -3.844 ± 0.054 $\chi^2/\text{NDF}: 26306.8/25$

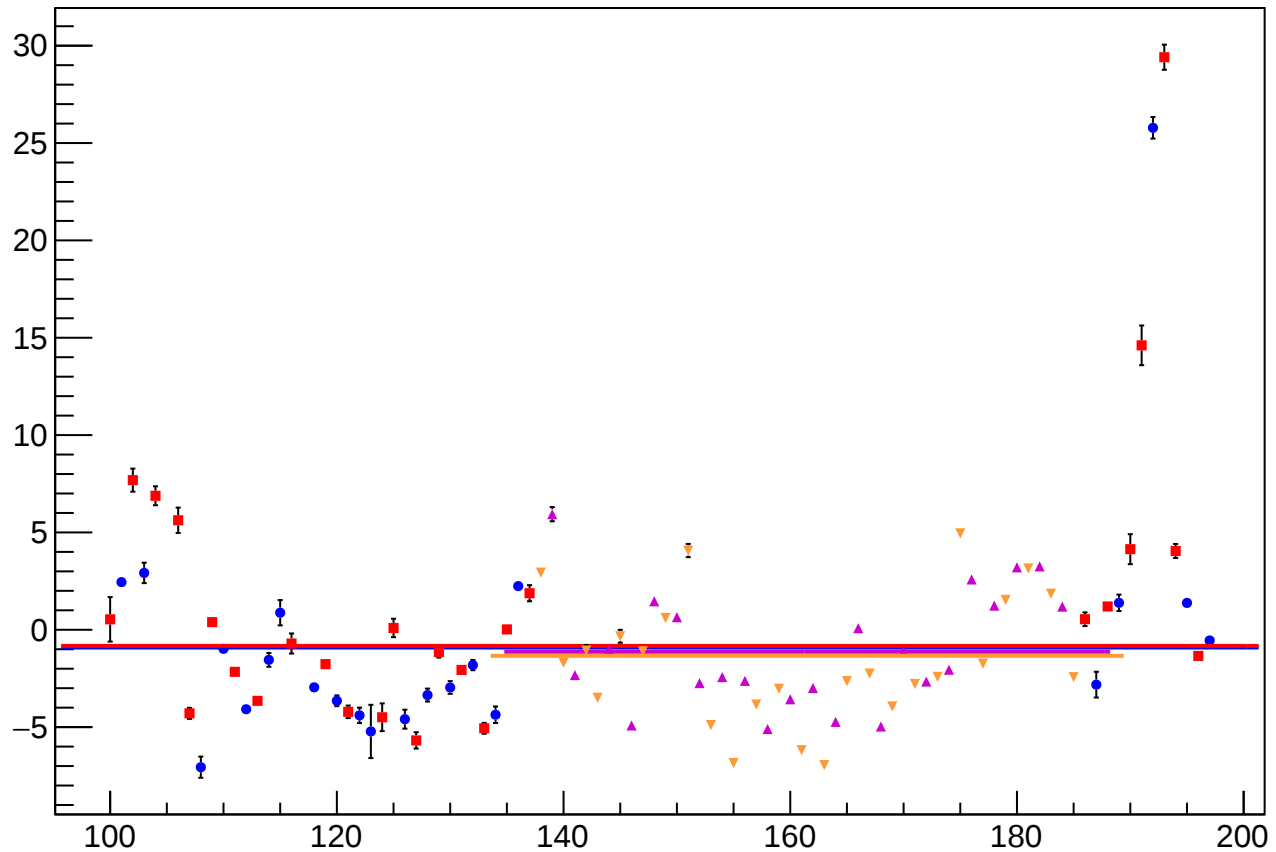
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 12.228 ± 0.034 $\chi^2/\text{NDF}: 192537.2/46$

All: 10.965 ± 0.023 $\chi^2/\text{NDF}: 357365.5/95$

- sign 9.895 ± 0.031 $\chi^2/\text{NDF}: 162229.6/48$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.910 ± 0.064 χ^2/NDF : 3820.0/21

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.828 ± 0.059 χ^2/NDF : 4368.2/25

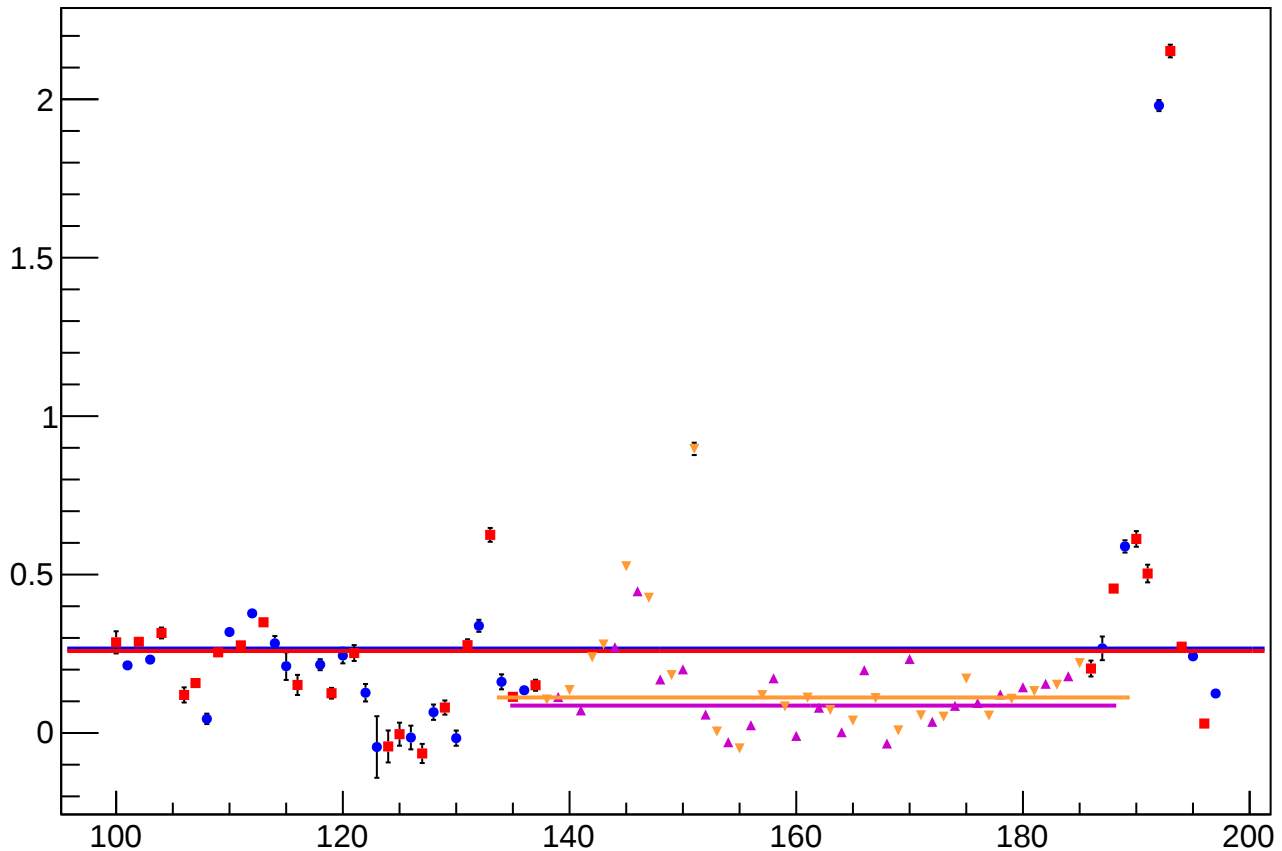
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.235 ± 0.031 χ^2/NDF : 11797.2/46

All: -1.139 ± 0.021 χ^2/NDF : 22942.9/95

- sign -1.054 ± 0.030 χ^2/NDF : 11128.0/48

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.266 ± 0.003 $\chi^2/\text{NDF}: 11077.6/21$

Left Out: 0.112 ± 0.002 $\chi^2/\text{NDF}: 4503.9/24$

Right Out: 0.259 ± 0.003 $\chi^2/\text{NDF}: 11532.0/25$

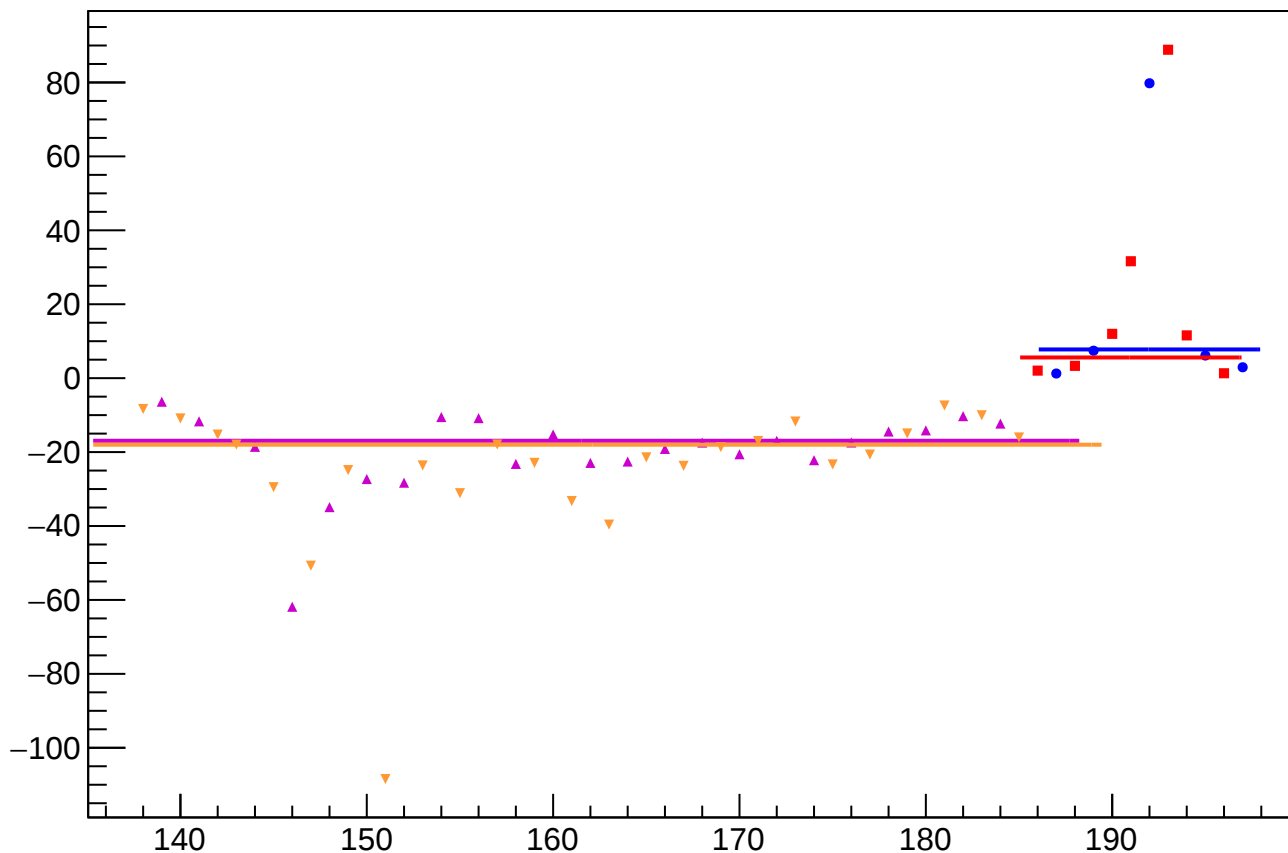
Left In: 0.087 ± 0.002 $\chi^2/\text{NDF}: 3655.4/22$

+ sign 0.144 ± 0.001 $\chi^2/\text{NDF}: 17489.8/46$

All: 0.132 ± 0.001 $\chi^2/\text{NDF}: 35474.2/95$

- sign 0.121 ± 0.001 $\chi^2/\text{NDF}: 17852.5/48$

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 7.772 ± 0.098 $\chi^2/\text{NDF}: 24477.3/4$

Left Out: -18.005 ± 0.039 $\chi^2/\text{NDF}: 88391.0/24$

Right Out: 5.598 ± 0.078 $\chi^2/\text{NDF}: 25157.7/6$

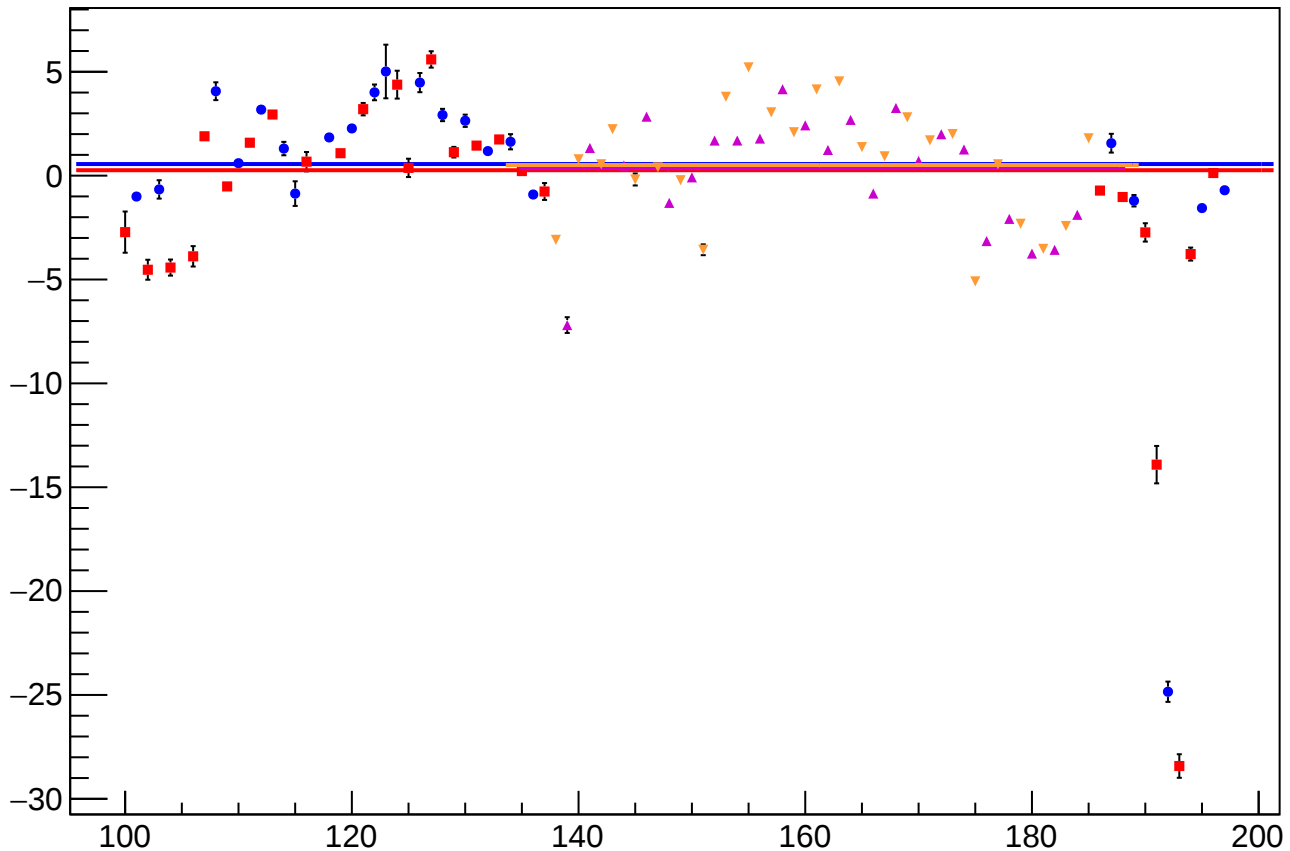
Left In: -16.934 ± 0.038 $\chi^2/\text{NDF}: 44060.6/22$

+ sign -14.550 ± 0.036 $\chi^2/\text{NDF}: 172514.7/29$

All: -13.545 ± 0.025 $\chi^2/\text{NDF}: 310554.4/59$

- sign -12.641 ± 0.034 $\chi^2/\text{NDF}: 136555.5/29$

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.558 $\pm$ 0.054 χ^2 /NDF: 3725.7/21

Left Out: 0.511 $\pm$ 0.032 χ^2 /NDF: 7070.4/24

Right Out: 0.261 $\pm$ 0.050 χ^2 /NDF: 4231.7/25

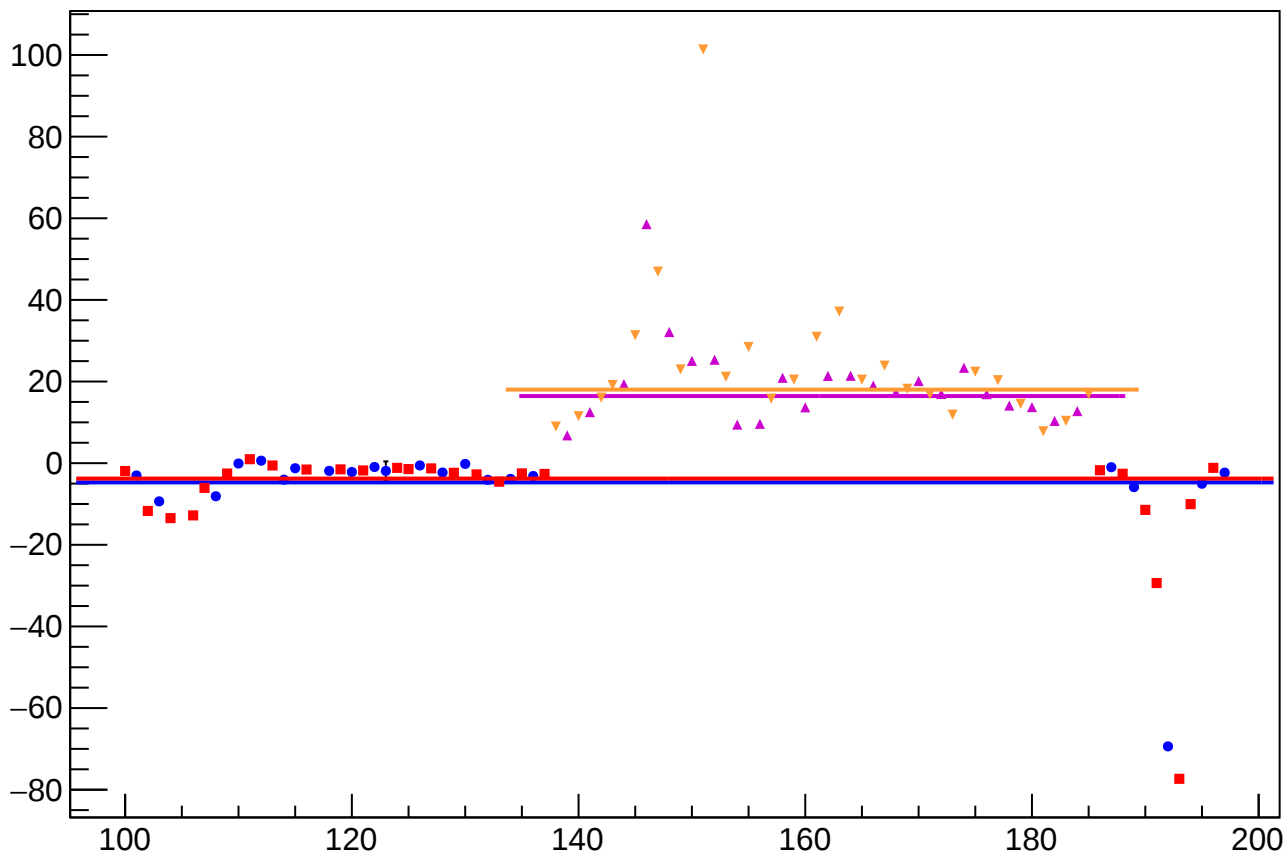
Left In: 0.360 $\pm$ 0.031 χ^2 /NDF: 6221.1/22

+ sign 0.524 $\pm$ 0.028 χ^2 /NDF: 10796.6/46

All: 0.423 $\pm$ 0.019 χ^2 /NDF: 21277.4/95

- sign 0.333 $\pm$ 0.026 χ^2 /NDF: 10455.6/48

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -4.714 ± 0.066 $\chi^2/\text{NDF}: 26156.9/21$

Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$

Right Out: -3.772 ± 0.054 $\chi^2/\text{NDF}: 26705.8/25$

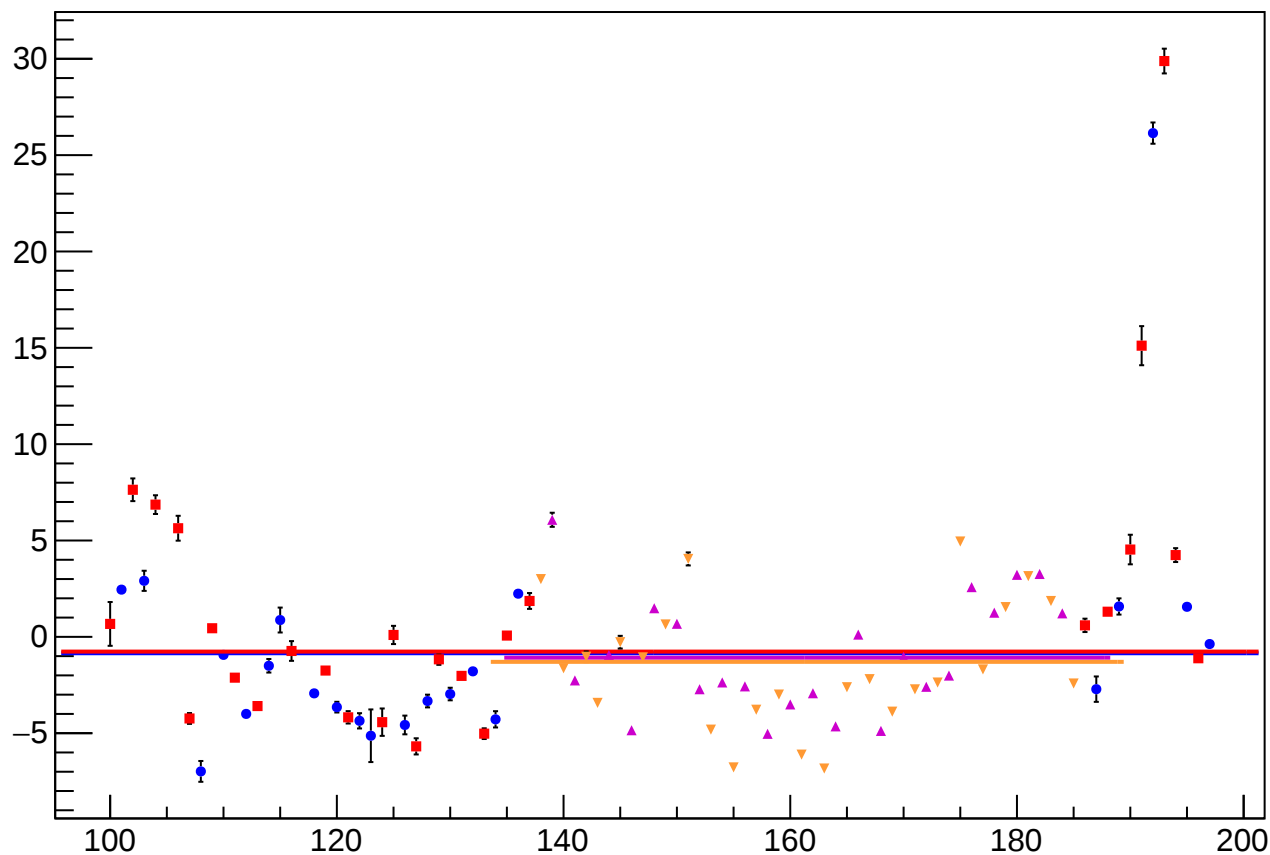
Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

+ sign 12.173 ± 0.033 $\chi^2/\text{NDF}: 192216.3/46$

All: 10.906 ± 0.023 $\chi^2/\text{NDF}: 357286.9/95$

- sign 9.835 ± 0.031 $\chi^2/\text{NDF}: 162426.0/48$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.850 ± 0.064 χ^2/NDF : 3911.4/21

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -0.765 ± 0.059 χ^2/NDF : 4499.6/25

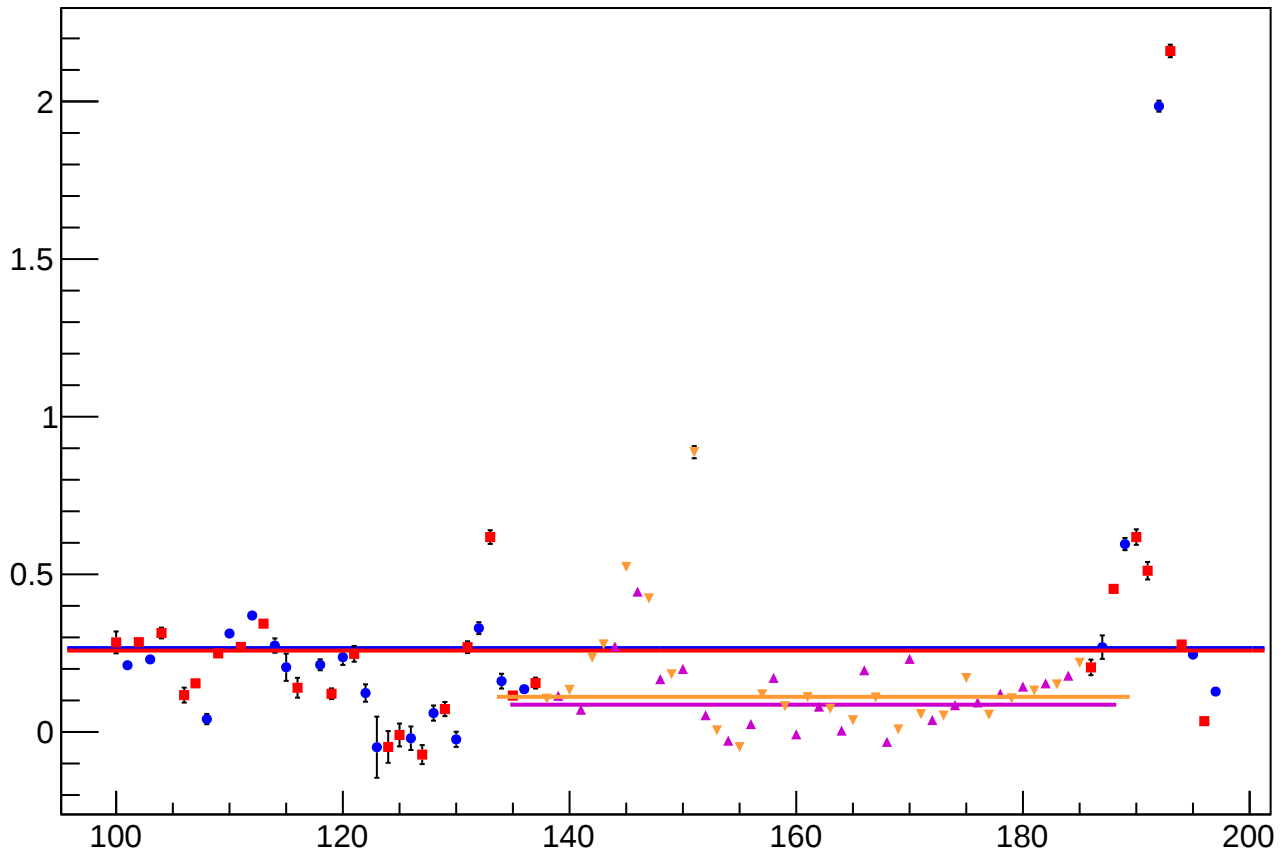
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.190 ± 0.031 χ^2/NDF : 11874.1/46

All: -1.091 ± 0.021 χ^2/NDF : 23138.8/95

- sign -1.003 ± 0.029 χ^2/NDF : 11245.5/48

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.266 $\pm$ 0.003 χ^2 /NDF: 11212.6/21

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF:4496.0/24

Right Out: 0.258 $\pm$ 0.003 χ^2 /NDF: 11678.6/25

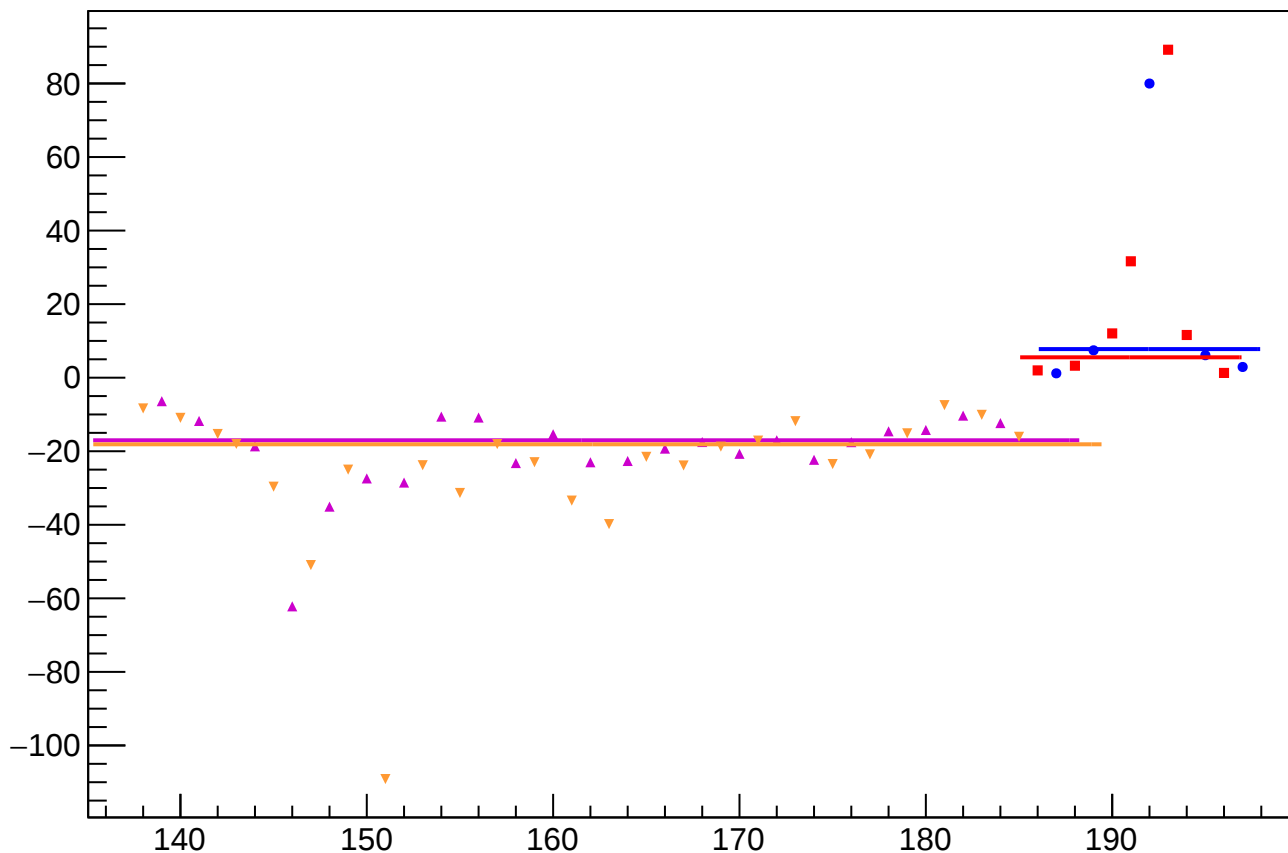
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF:3625.5/22

+ sign 0.143 $\pm$ 0.001 χ^2 /NDF: 17643.7/46

All: 0.131 $\pm$ 0.001 χ^2 /NDF: 35748.7/95

- sign 0.121 $\pm$ 0.001 χ^2 /NDF: 17978.0/48

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 7.776 ± 0.099 $\chi^2/\text{NDF}: 24466.6/4$

Left Out: -18.112 ± 0.039 $\chi^2/\text{NDF}: 88529.7/24$

Right Out: 5.539 ± 0.078 $\chi^2/\text{NDF}: 25168.3/6$

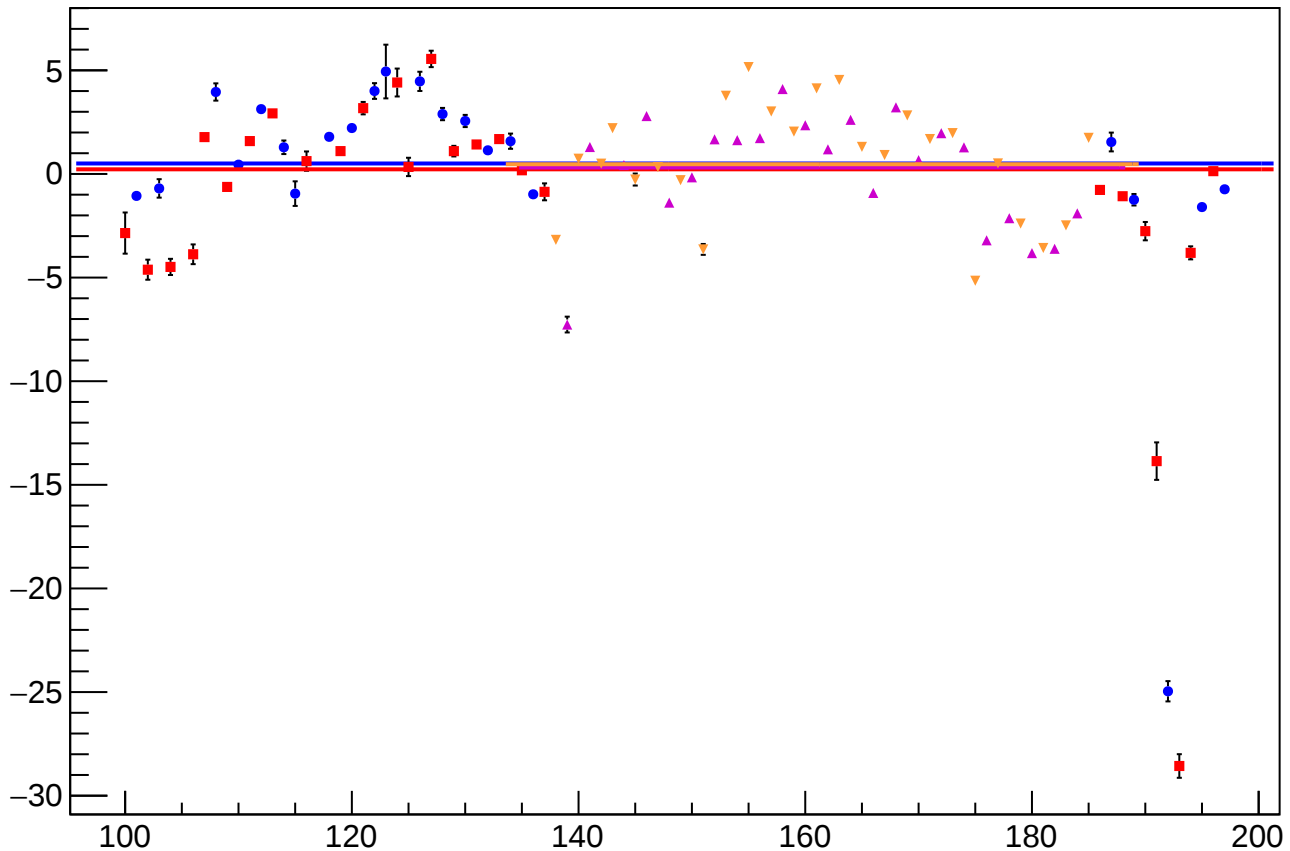
Left In: -17.024 ± 0.038 $\chi^2/\text{NDF}: 44141.8/22$

+ sign -14.652 ± 0.036 $\chi^2/\text{NDF}: 172482.2/29$

All: -13.624 ± 0.025 $\chi^2/\text{NDF}: 310685.6/59$

- sign -12.702 ± 0.034 $\chi^2/\text{NDF}: 136666.4/29$

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.505 ± 0.055 χ^2/NDF : 3717.6/21

Left Out: 0.469 ± 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.223 ± 0.050 χ^2/NDF : 4230.1/25

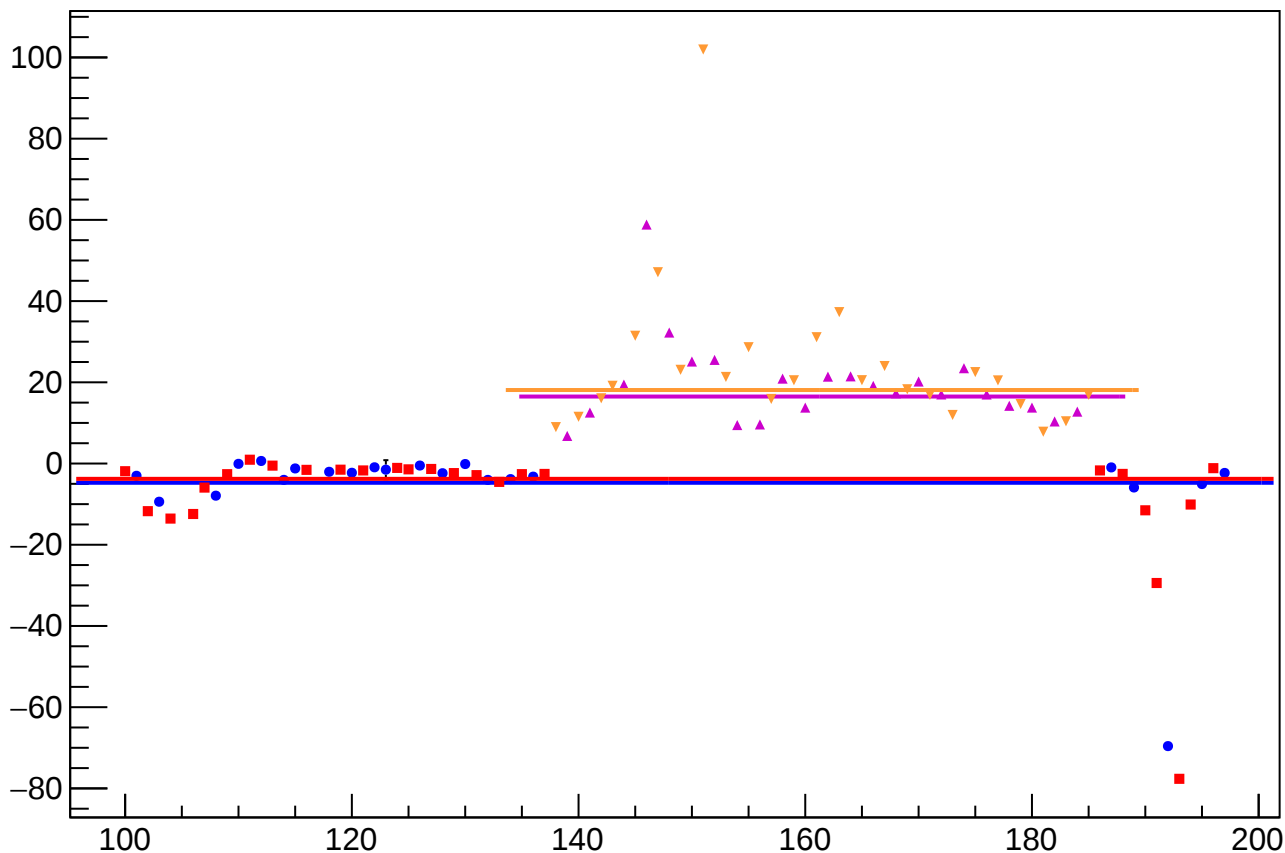
Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

+ sign 0.478 ± 0.028 χ^2/NDF : 10810.9/46

All: 0.377 ± 0.019 χ^2/NDF : 21251.5/95

- sign 0.287 ± 0.026 χ^2/NDF : 10415.4/48

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -4.738 ± 0.066 $\chi^2/\text{NDF}: 26140.6/21$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -3.770 ± 0.054 $\chi^2/\text{NDF}: 26692.0/25$

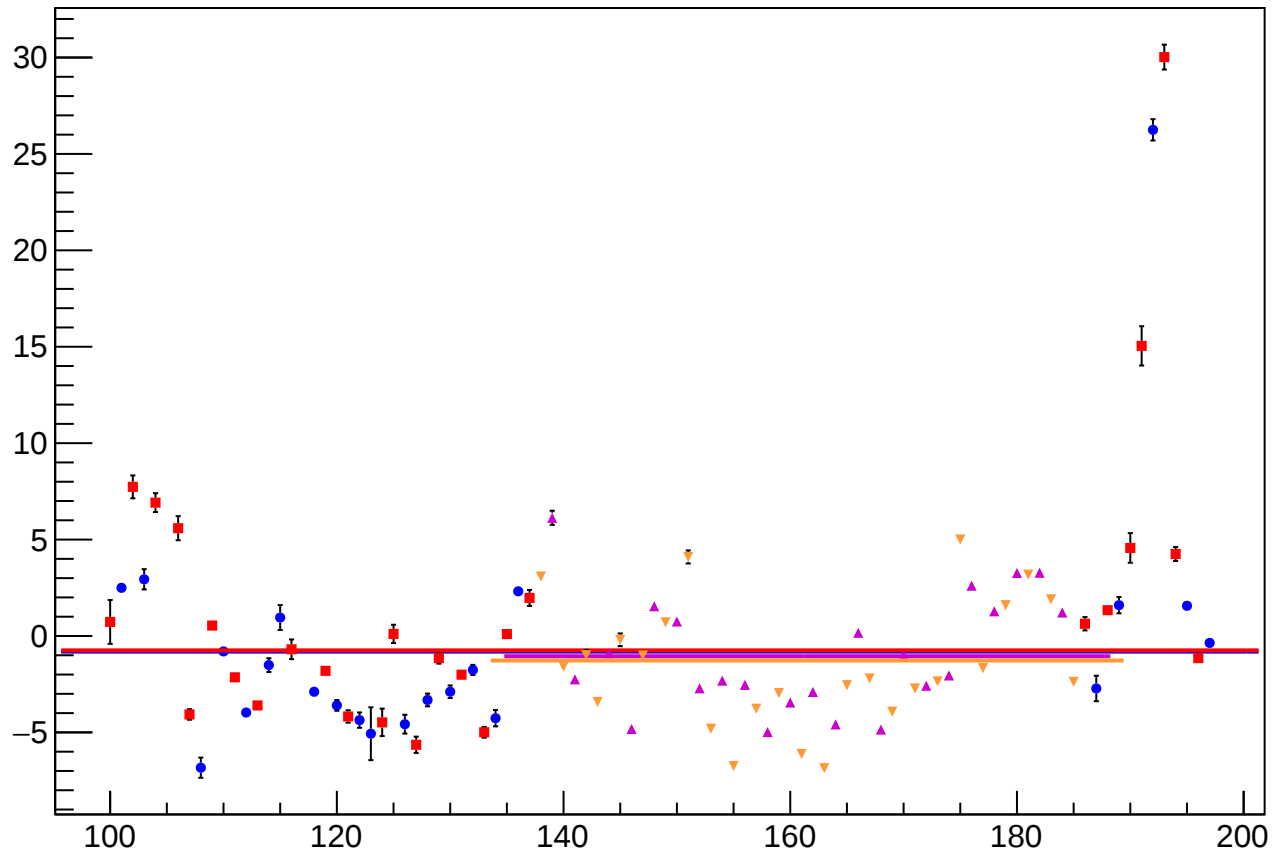
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 12.234 ± 0.034 $\chi^2/\text{NDF}: 192129.9/46$

All: 10.943 ± 0.023 $\chi^2/\text{NDF}: 357361.3/95$

- sign 9.853 ± 0.031 $\chi^2/\text{NDF}: 162509.1/48$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.810 ± 0.064 χ^2/NDF : 3905.2/21

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.746 ± 0.059 χ^2/NDF : 4501.4/25

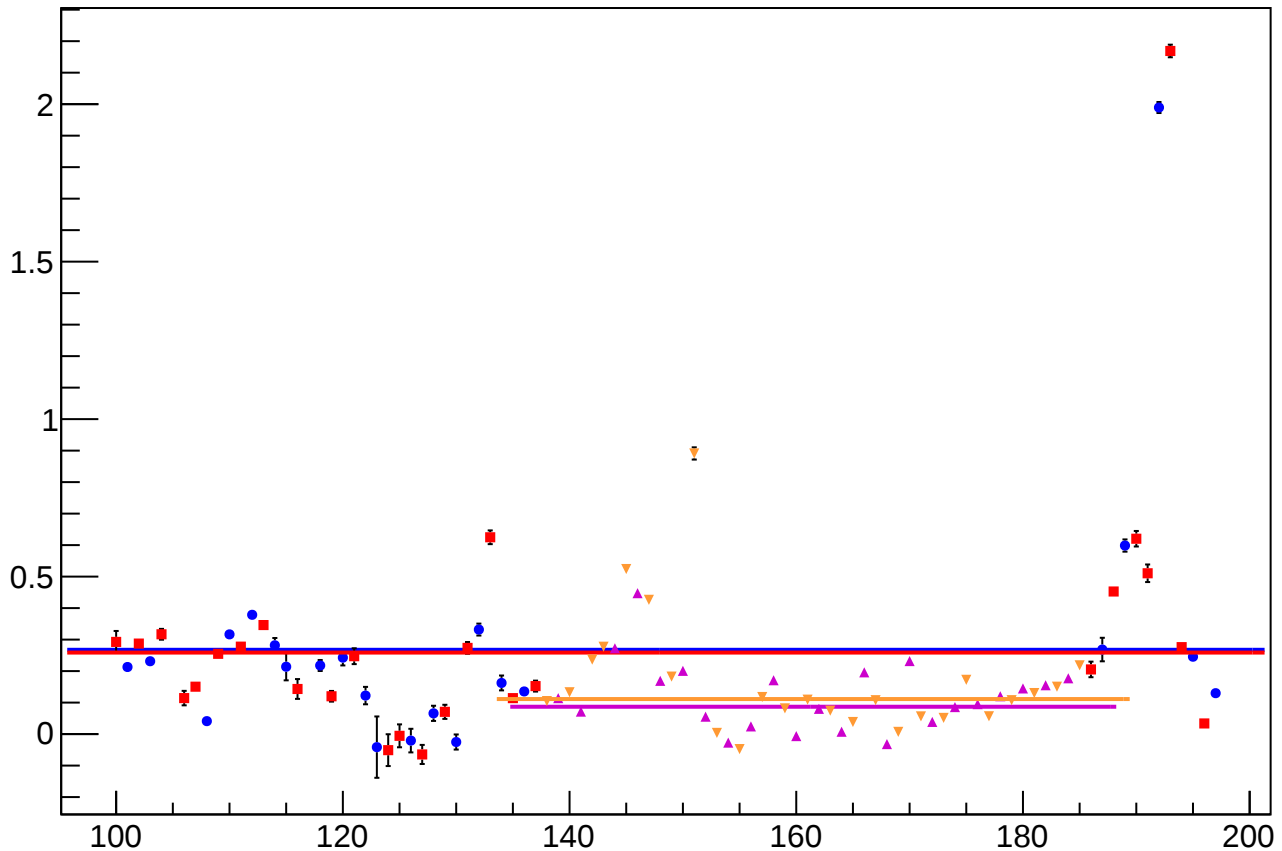
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.162 ± 0.031 χ^2/NDF : 11896.8/46

All: -1.063 ± 0.021 χ^2/NDF : 23110.8/95

- sign -0.974 ± 0.029 χ^2/NDF : 11194.9/48

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.268 ± 0.003 $\chi^2/\text{NDF}: 11205.9/21$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4474.5/24$

Right Out: 0.259 ± 0.003 $\chi^2/\text{NDF}: 11694.9/25$

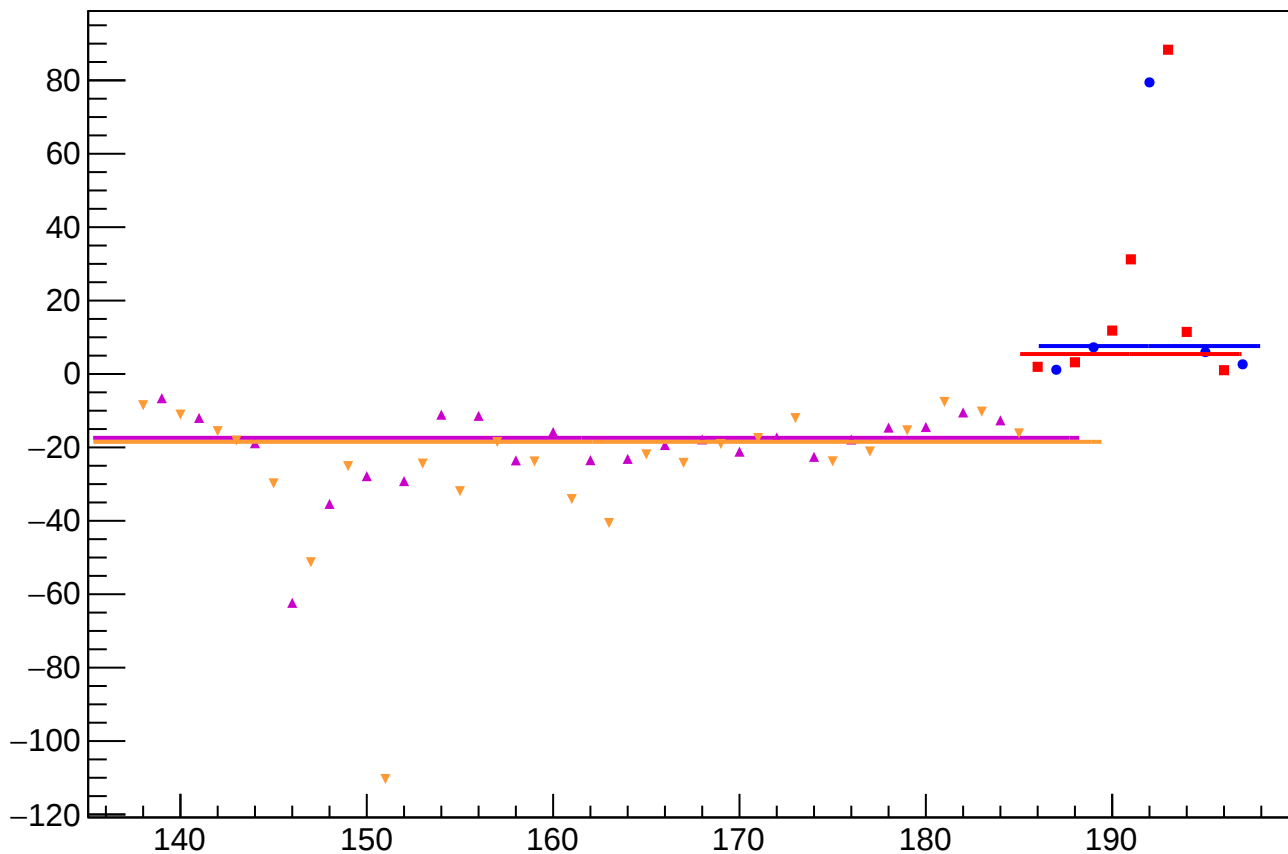
Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3598.5/22$

+ sign 0.143 ± 0.001 $\chi^2/\text{NDF}: 17640.7/46$

All: 0.132 ± 0.001 $\chi^2/\text{NDF}: 35724.4/95$

- sign 0.122 ± 0.001 $\chi^2/\text{NDF}: 17961.1/48$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 7.612 ± 0.099 χ^2/NDF : 24118.1/4

Left Out: -18.479 ± 0.040 χ^2/NDF : 87883.4/24

Right Out: 5.435 ± 0.079 χ^2/NDF : 24678.5/6

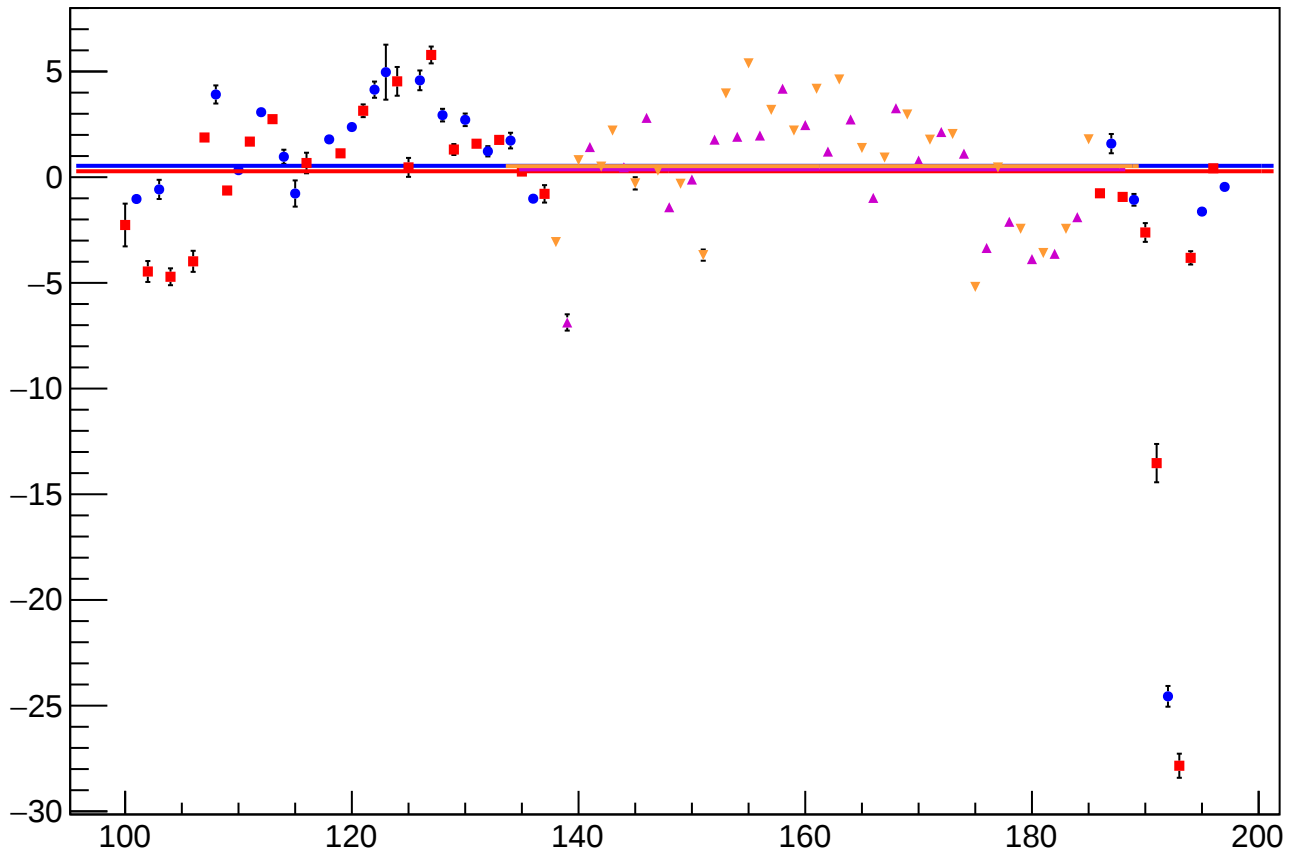
Left In: -17.393 ± 0.039 χ^2/NDF : 43178.9/22

+ sign -14.887 ± 0.037 χ^2/NDF : 171462.2/29

All: -13.830 ± 0.025 χ^2/NDF : 308724.4/59

- sign -12.882 ± 0.035 χ^2/NDF : 135701.7/29

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.538 ± 0.055 $\chi^2/\text{NDF}: 3596.5/21$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.280 ± 0.051 $\chi^2/\text{NDF}: 4052.4/25$

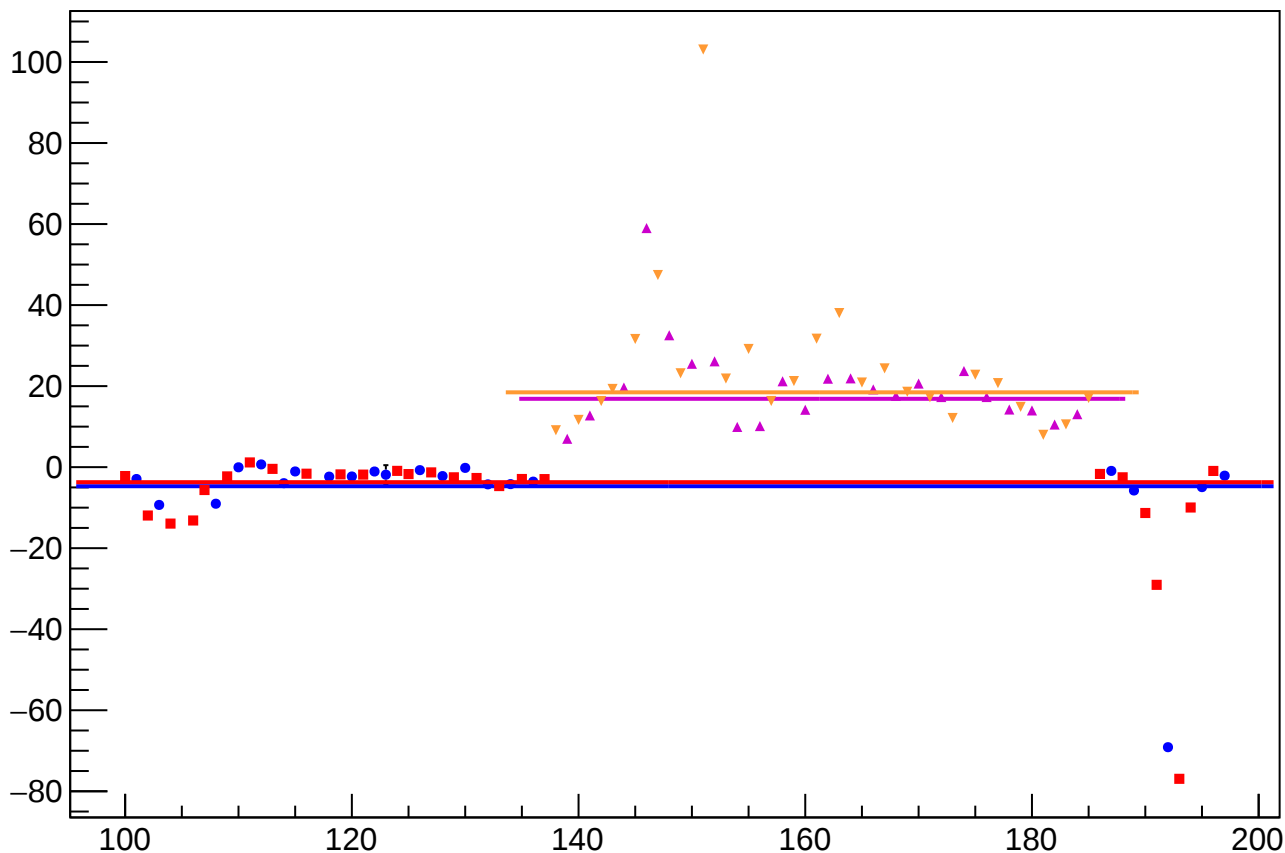
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.526 ± 0.028 $\chi^2/\text{NDF}: 10651.7/46$

All: 0.431 ± 0.019 $\chi^2/\text{NDF}: 20945.0/95$

- sign 0.346 ± 0.027 $\chi^2/\text{NDF}: 10272.1/48$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -4.708 ± 0.067 $\chi^2/\text{NDF}: 25690.4/21$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -3.710 ± 0.054 $\chi^2/\text{NDF}: 26197.7/25$

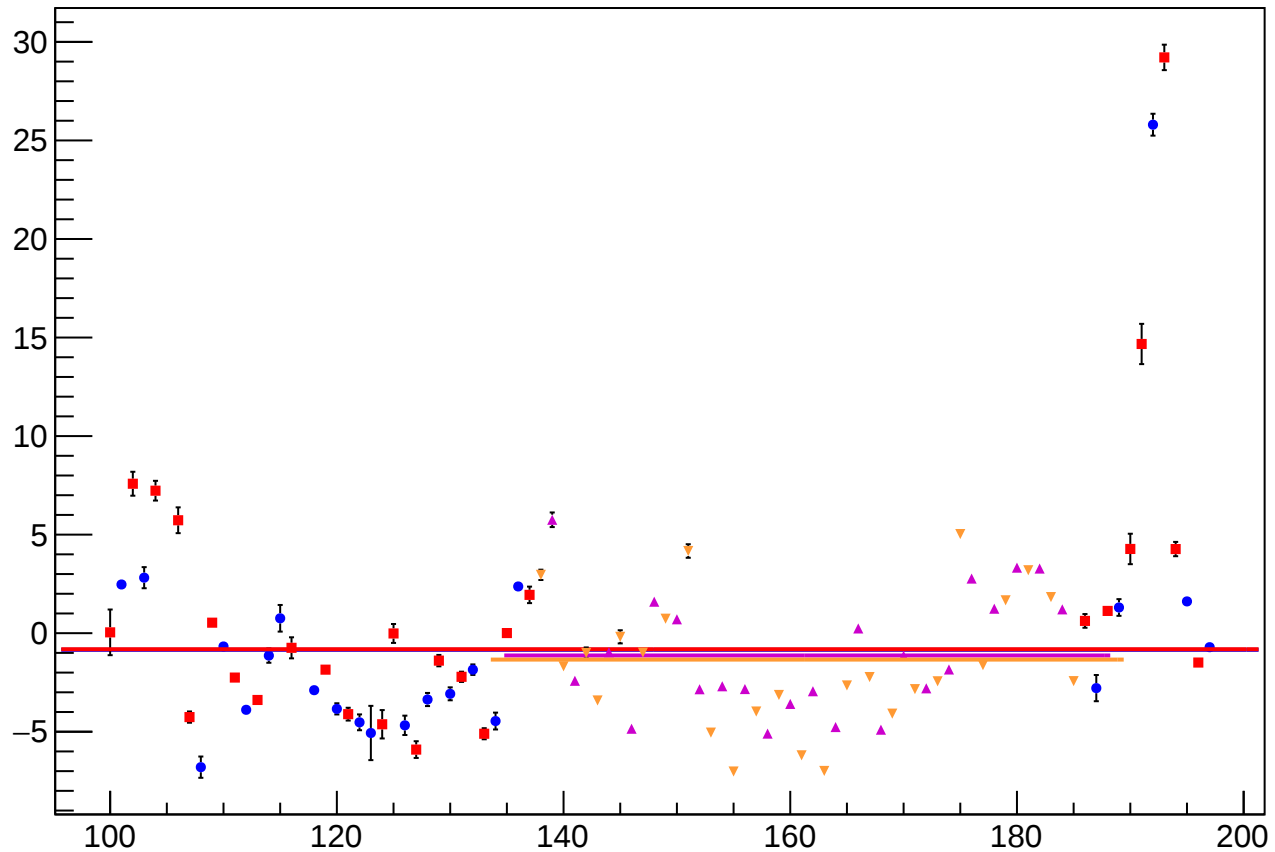
Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

+ sign 12.401 ± 0.034 $\chi^2/\text{NDF}: 191291.8/46$

All: 11.091 ± 0.023 $\chi^2/\text{NDF}: 355133.9/95$

- sign 9.988 ± 0.031 $\chi^2/\text{NDF}: 161151.4/48$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.844 ± 0.065 χ^2/NDF : 3798.6/21

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -0.815 ± 0.060 χ^2/NDF : 4326.2/25

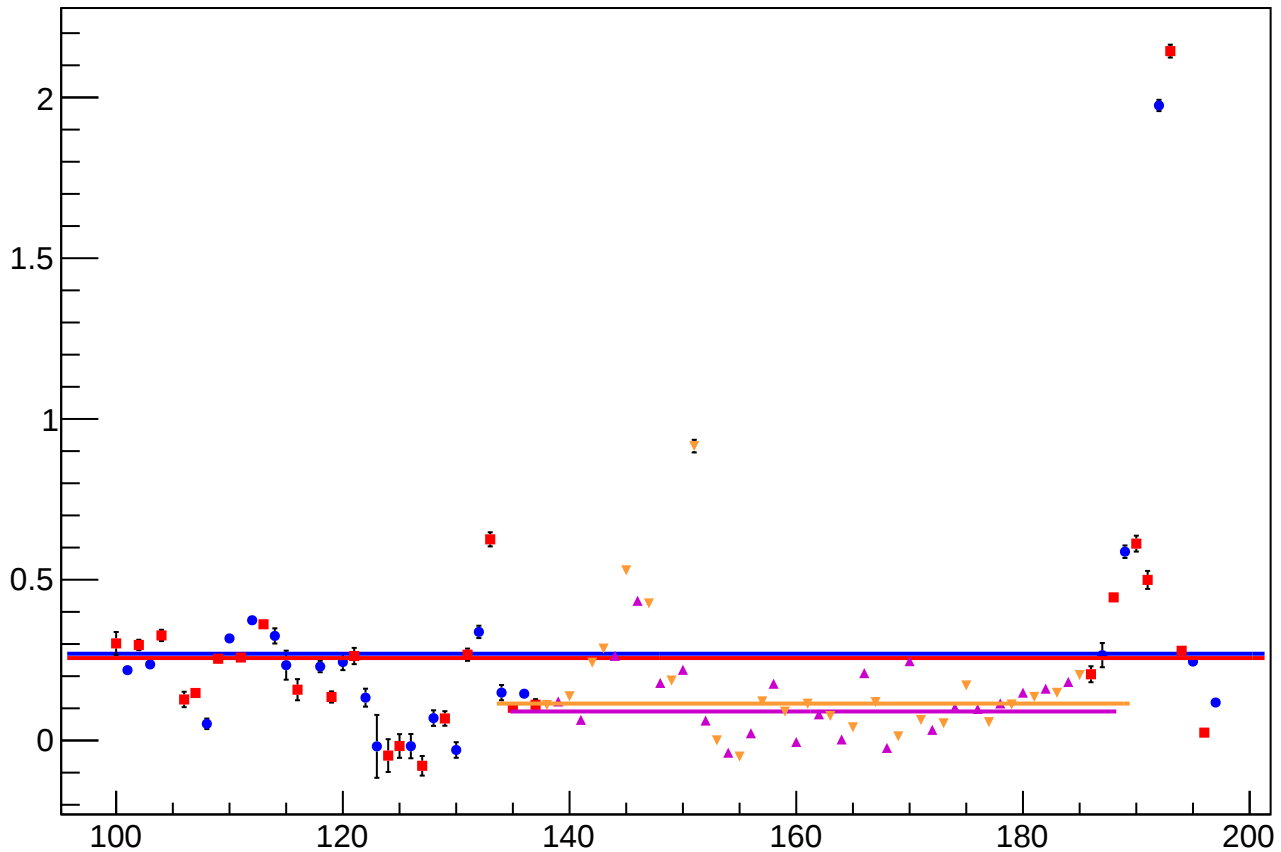
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.220 ± 0.032 χ^2/NDF : 11750.4/46

All: -1.131 ± 0.022 χ^2/NDF : 22820.8/95

- sign -1.052 ± 0.030 χ^2/NDF : 11055.6/48

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.270 ± 0.003 $\chi^2/\text{NDF}: 10944.0/21$

Left Out: 0.115 ± 0.002 $\chi^2/\text{NDF}: 4431.9/24$

Right Out: 0.256 ± 0.003 $\chi^2/\text{NDF}: 11532.7/25$

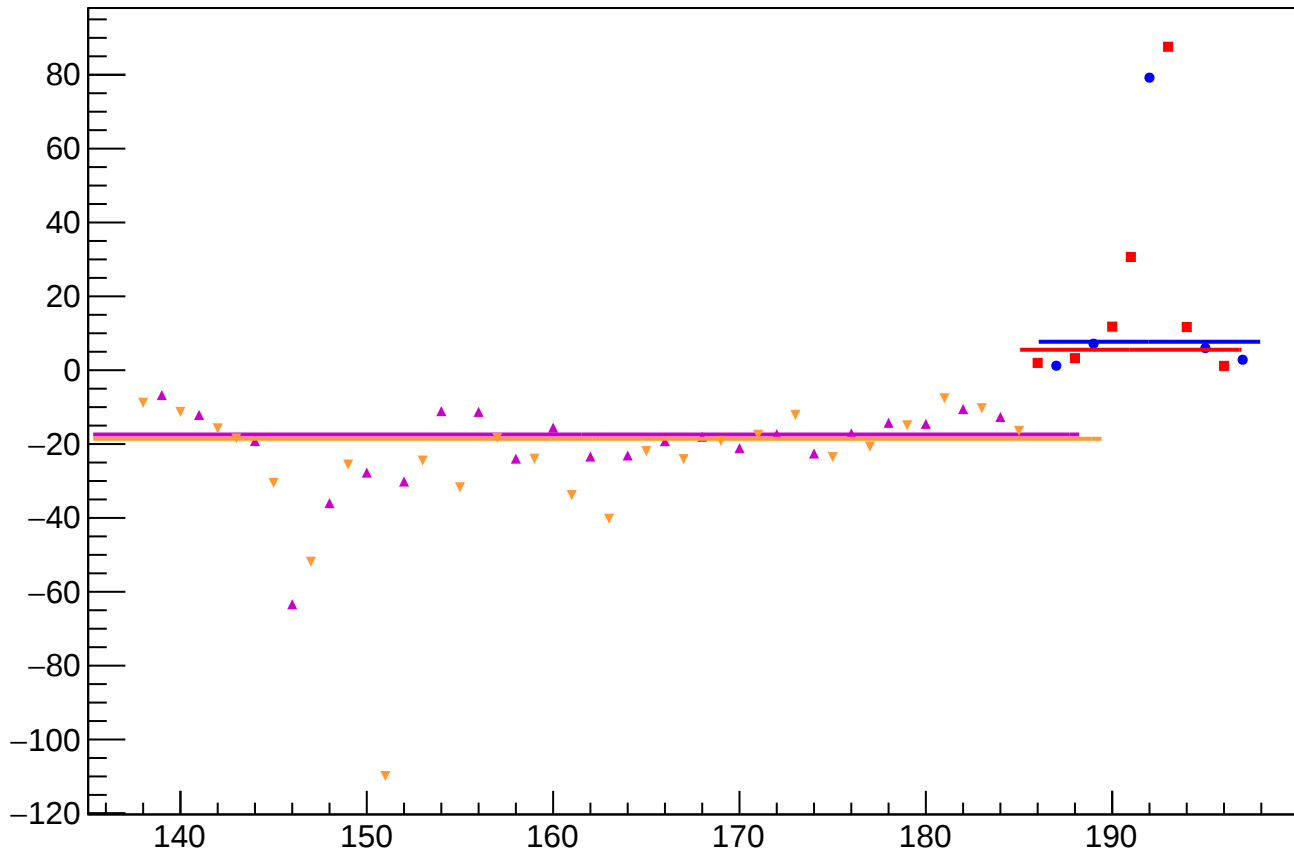
Left In: 0.090 ± 0.002 $\chi^2/\text{NDF}: 3676.5/22$

+ sign 0.147 ± 0.001 $\chi^2/\text{NDF}: 17247.0/46$

All: 0.135 ± 0.001 $\chi^2/\text{NDF}: 34988.7/95$

- sign 0.124 ± 0.001 $\chi^2/\text{NDF}: 17612.5/48$

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 7.708 ± 0.100 $\chi^2/\text{NDF}: 23645.0/4$

Left Out: -18.566 ± 0.040 $\chi^2/\text{NDF}: 86389.6/24$

Right Out: 5.541 ± 0.080 $\chi^2/\text{NDF}: 24072.2/6$

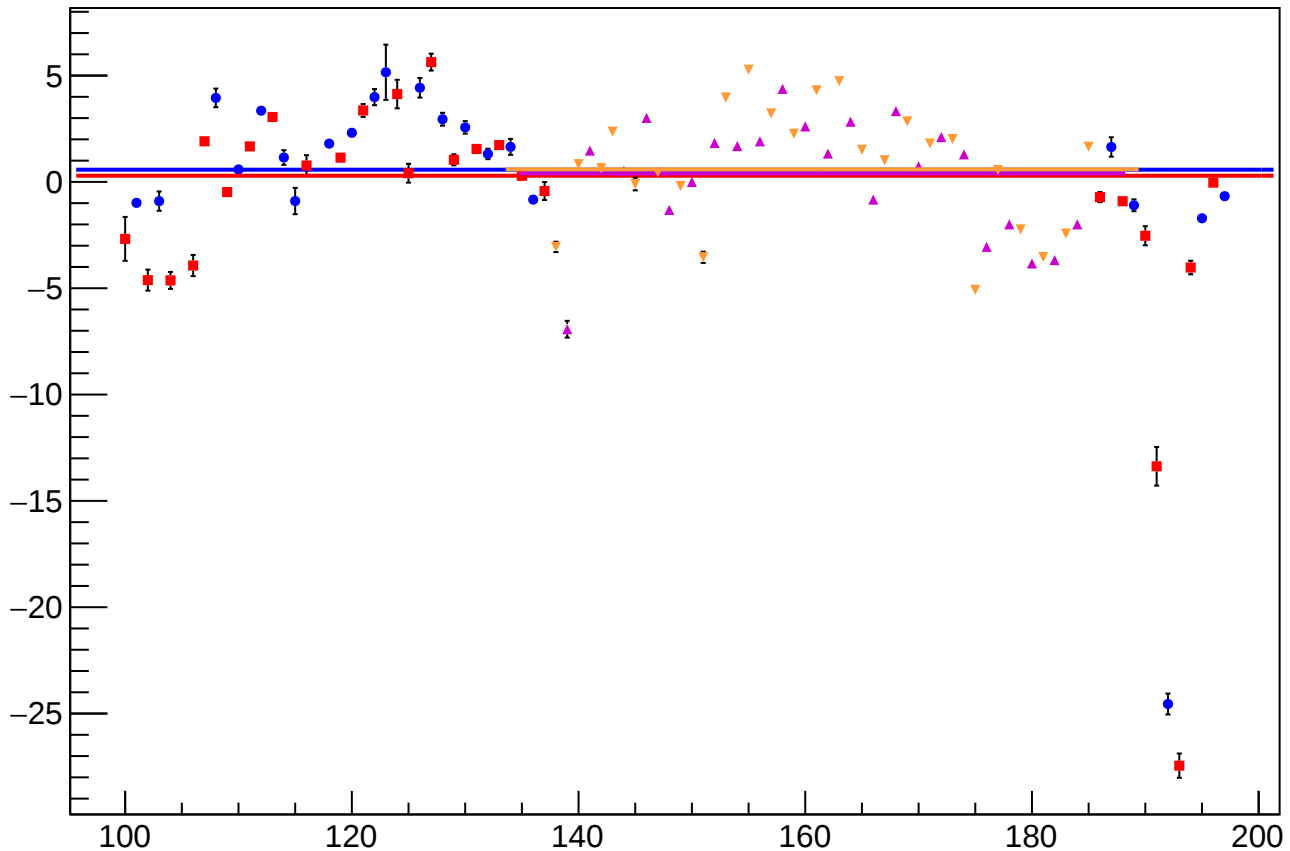
Left In: -17.414 ± 0.039 $\chi^2/\text{NDF}: 43504.1/22$

+ sign -14.949 ± 0.037 $\chi^2/\text{NDF}: 169140.9/29$

All: -13.872 ± 0.026 $\chi^2/\text{NDF}: 305290.9/59$

- sign -12.907 ± 0.035 $\chi^2/\text{NDF}: 134562.3/29$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.573 ± 0.056 χ^2/NDF : 3584.0/21

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.290 ± 0.052 χ^2/NDF : 3984.3/25

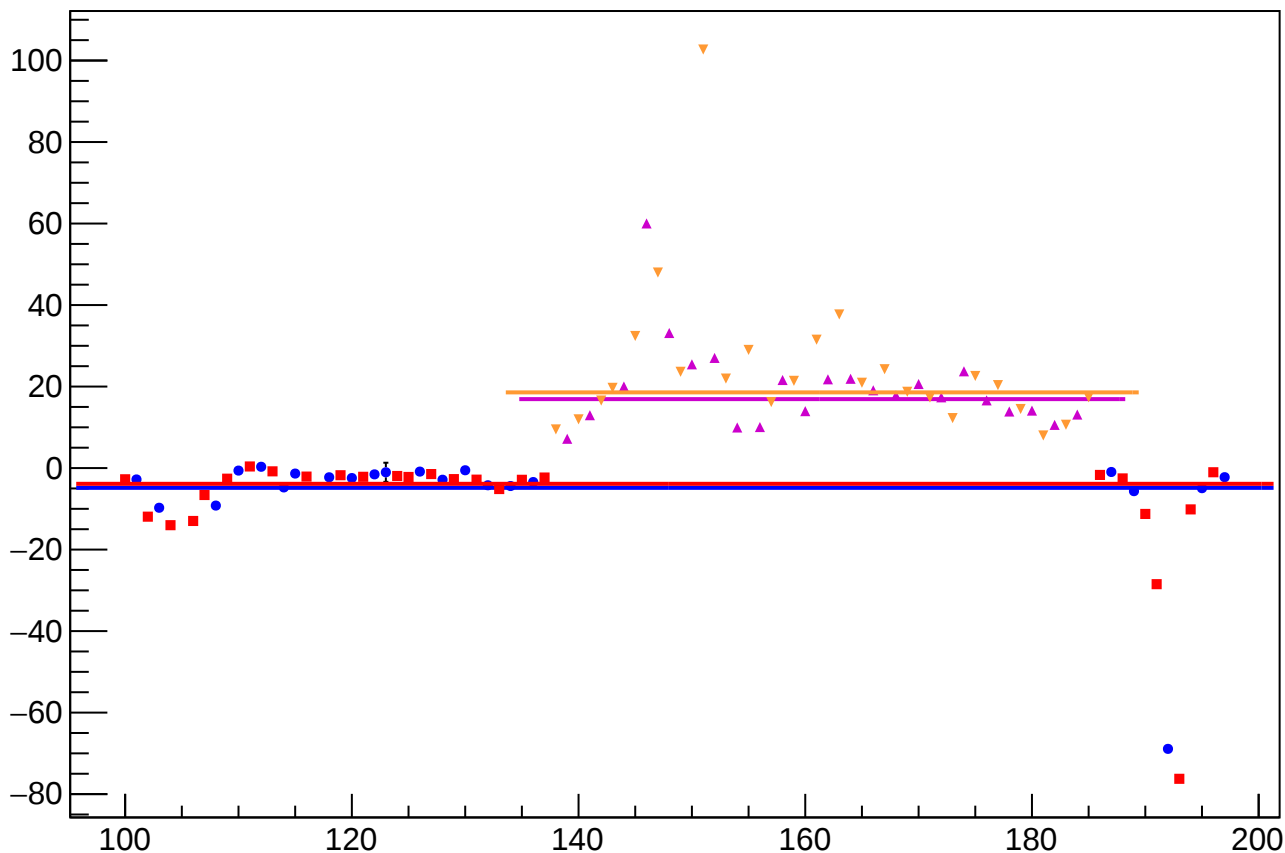
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.586 ± 0.029 χ^2/NDF : 10380.5/46

All: 0.470 ± 0.020 χ^2/NDF : 20458.9/95

- sign 0.366 ± 0.027 χ^2/NDF : 10047.0/48

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -4.847 ± 0.068 $\chi^2/\text{NDF}: 25071.0/21$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -3.862 ± 0.055 $\chi^2/\text{NDF}: 25432.5/25$

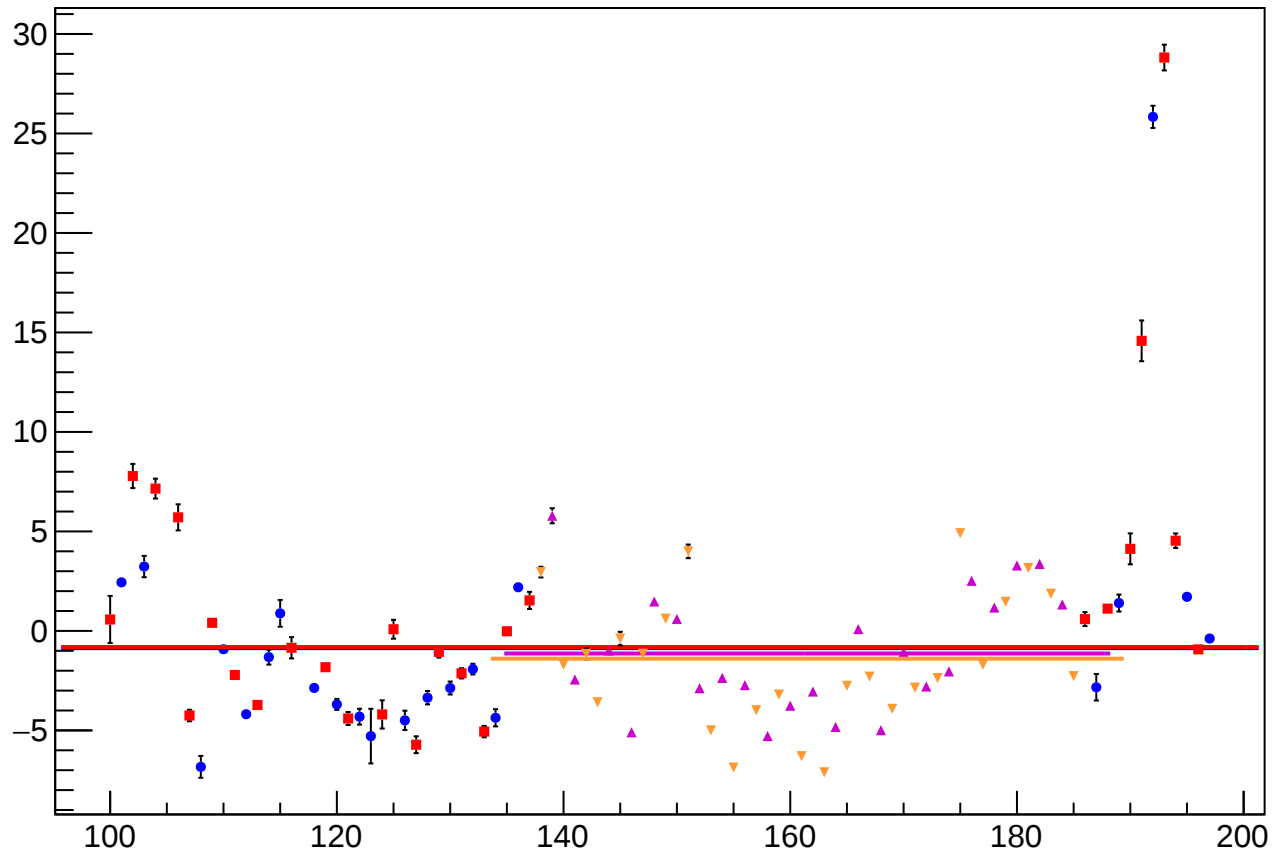
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 12.465 ± 0.035 $\chi^2/\text{NDF}: 189359.4/46$

All: 11.146 ± 0.023 $\chi^2/\text{NDF}: 352172.9/95$

- sign 10.031 ± 0.032 $\chi^2/\text{NDF}: 160134.5/48$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.866 ± 0.066 χ^2/NDF : 3758.4/21

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.810 ± 0.061 χ^2/NDF : 4244.8/25

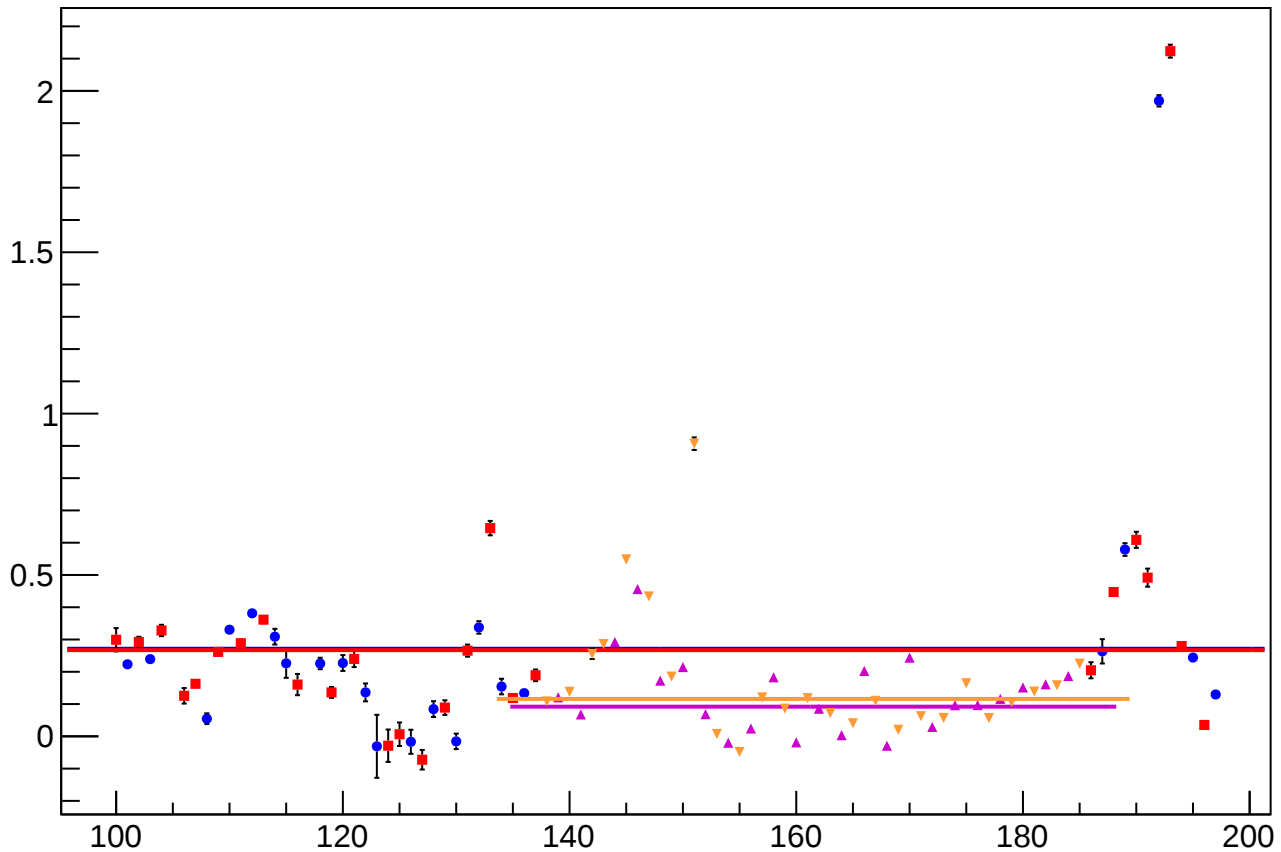
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.269 ± 0.032 χ^2/NDF : 11459.7/46

All: -1.155 ± 0.022 χ^2/NDF : 22347.2/95

- sign -1.053 ± 0.030 χ^2/NDF : 10863.8/48

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.271 ± 0.003 χ^2/NDF : 10713.5/21

Left Out: 0.116 ± 0.002 χ^2/NDF : 4463.0/24

Right Out: 0.267 ± 0.003 χ^2/NDF : 10996.1/25

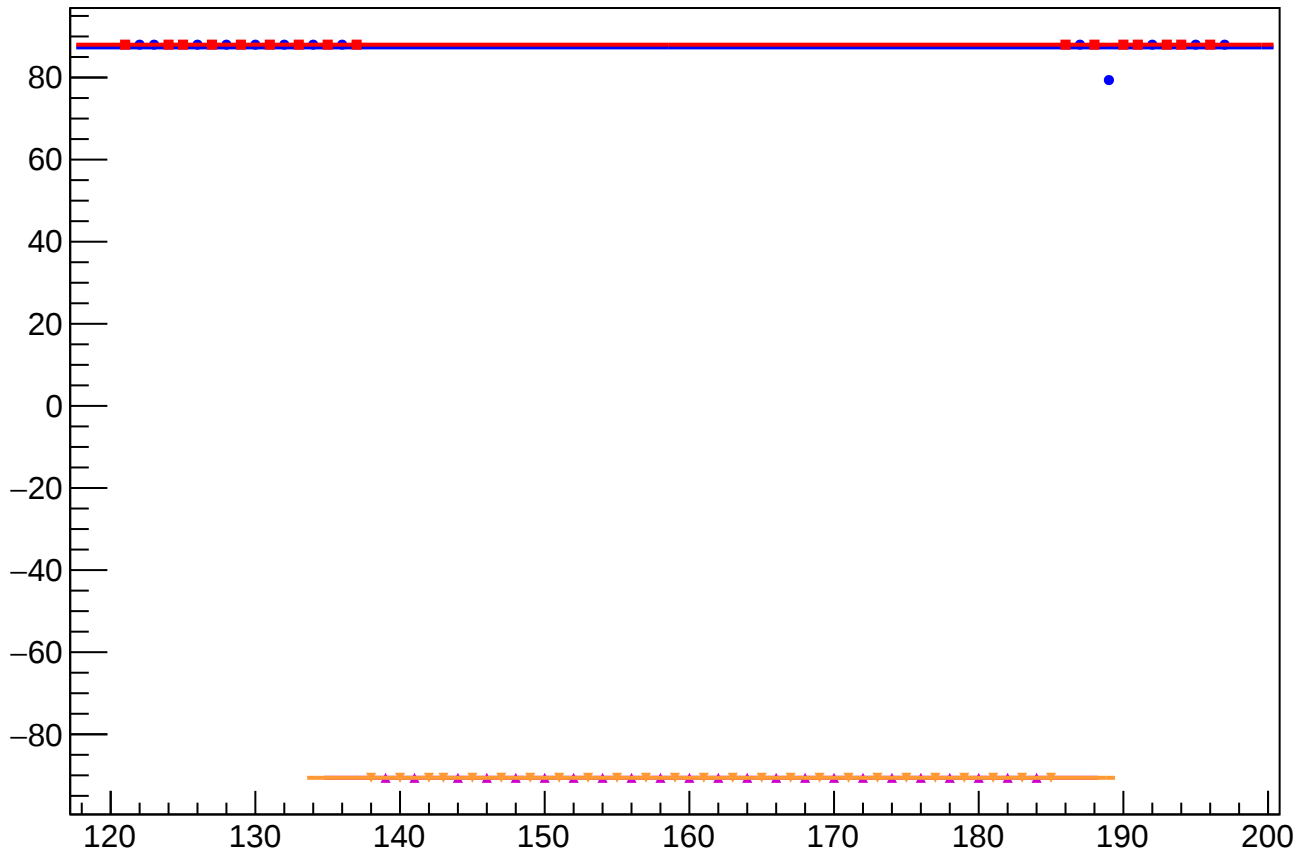
Left In: 0.092 ± 0.002 χ^2/NDF : 3631.4/22

+ sign 0.148 ± 0.001 χ^2/NDF : 17011.1/46

All: 0.137 ± 0.001 χ^2/NDF : 34331.7/95

- sign 0.127 ± 0.001 χ^2/NDF : 17215.6/48

VWienAngle_mean vs Slug



Right In: 87.336+/-0.000 χ^2/NDF : 3503687290113232830043130383302656.0/12

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 365526.6/15

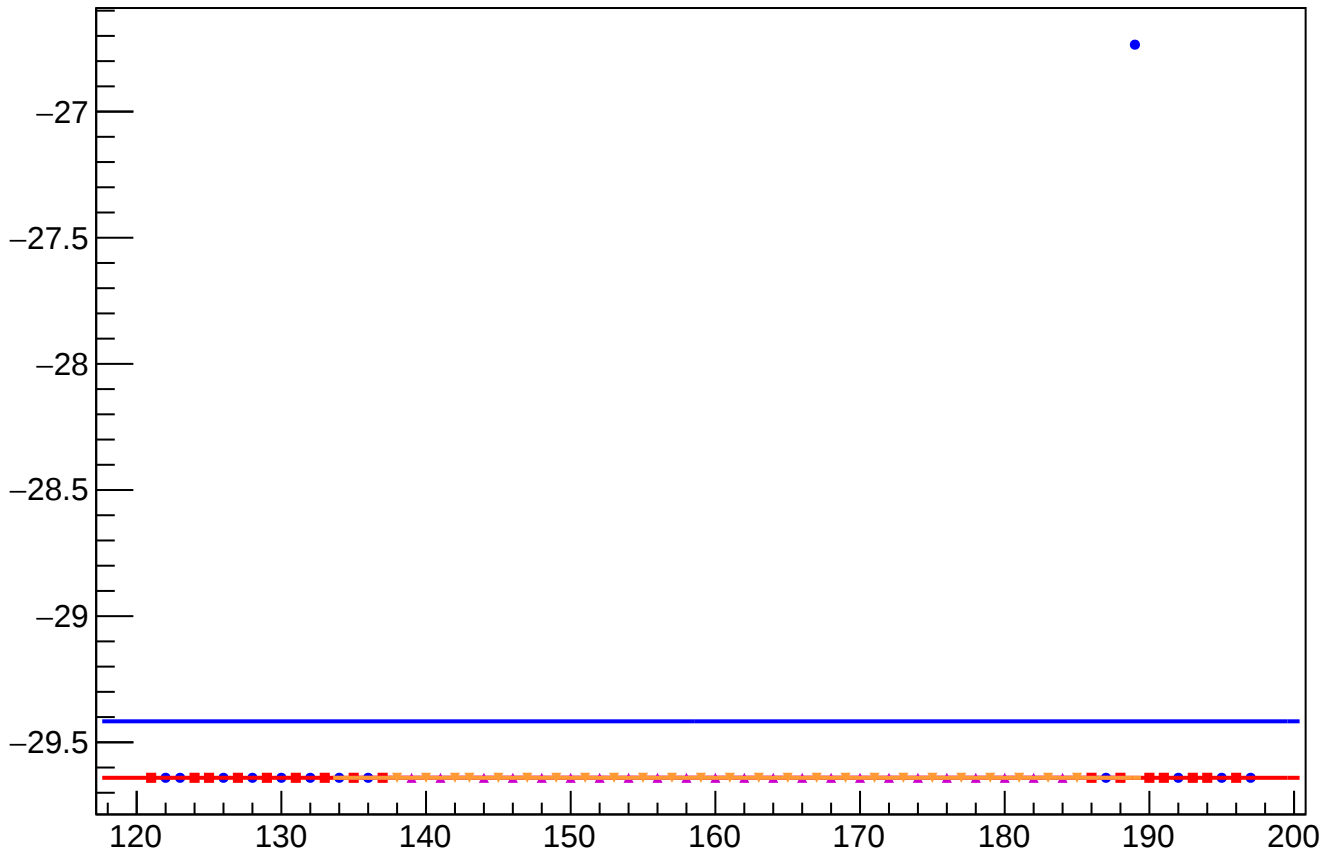
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -44.801+/-0.000 χ^2/NDF : 155683496778041

All: -41.379+/-0.000 χ^2/NDF : 326573693480

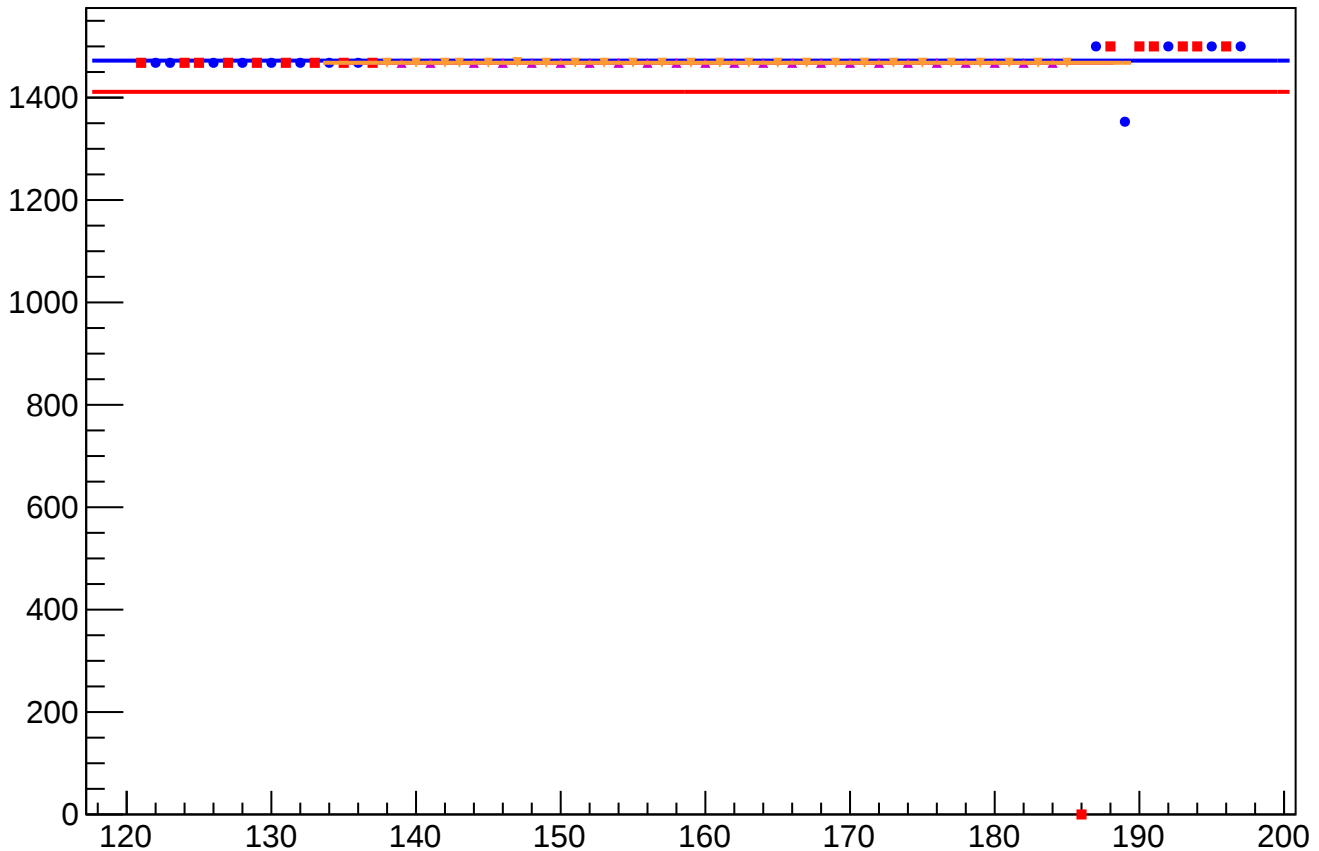
- sign -37.951+/-0.000 χ^2/NDF : 1702872843026477

HWienAngle_mean vs Slug



Right In: -29.417+/-0.000	χ^2/NDF : 397493523151627671726007823368192.0/12	+ sign -29.583+/-0.000	χ^2/NDF : 422132429420441
Left Out: -29.641+/-0.000	χ^2/NDF : 654199.2/24	All: -29.612+/-0.000	χ^2/NDF : 426398990310
Right Out: -29.641+/-0.000	χ^2/NDF : 917842.8/15	- sign -29.641+/-0.000	χ^2/NDF : 2166073.2/38
Left In: -29.641+/-0.000	χ^2/NDF : 511825.6/22		

psub_pl_pos_mean vs Slug



Right In: 1472.274+/-0.000 χ^2/NDF : 941606876977932272704673896279834624.0/12

Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24

Right Out: 1411.295+/-0.000 χ^2/NDF : 79867404208192270033800631340647841792.0/15

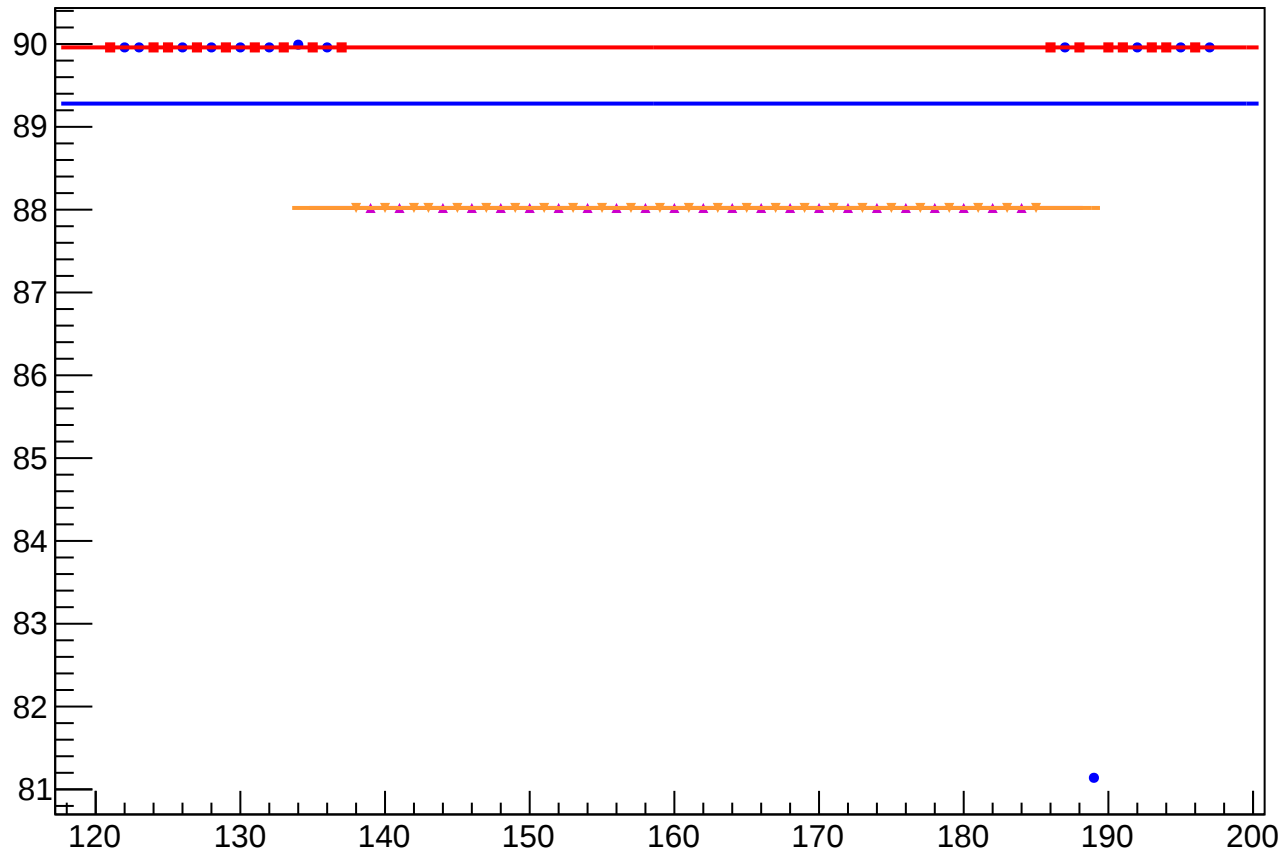
Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

+ sign 1469.135+/-0.000 χ^2/NDF : 95051432022229

All: 1460.215+/-0.000 χ^2/NDF : 82943816389

- sign 1451.280+/-0.000 χ^2/NDF : 81583614576112

Phi_FG_mean vs Slug



Right In: 89.281+/-0.000 χ^2/NDF : 3662348305424045289439749442895872.0/12

Left Out: 88.021+/-0.000 χ^2/NDF : 5326388.8/24

Right Out: 89.959+/-0.000 χ^2/NDF : 2225471.3/15

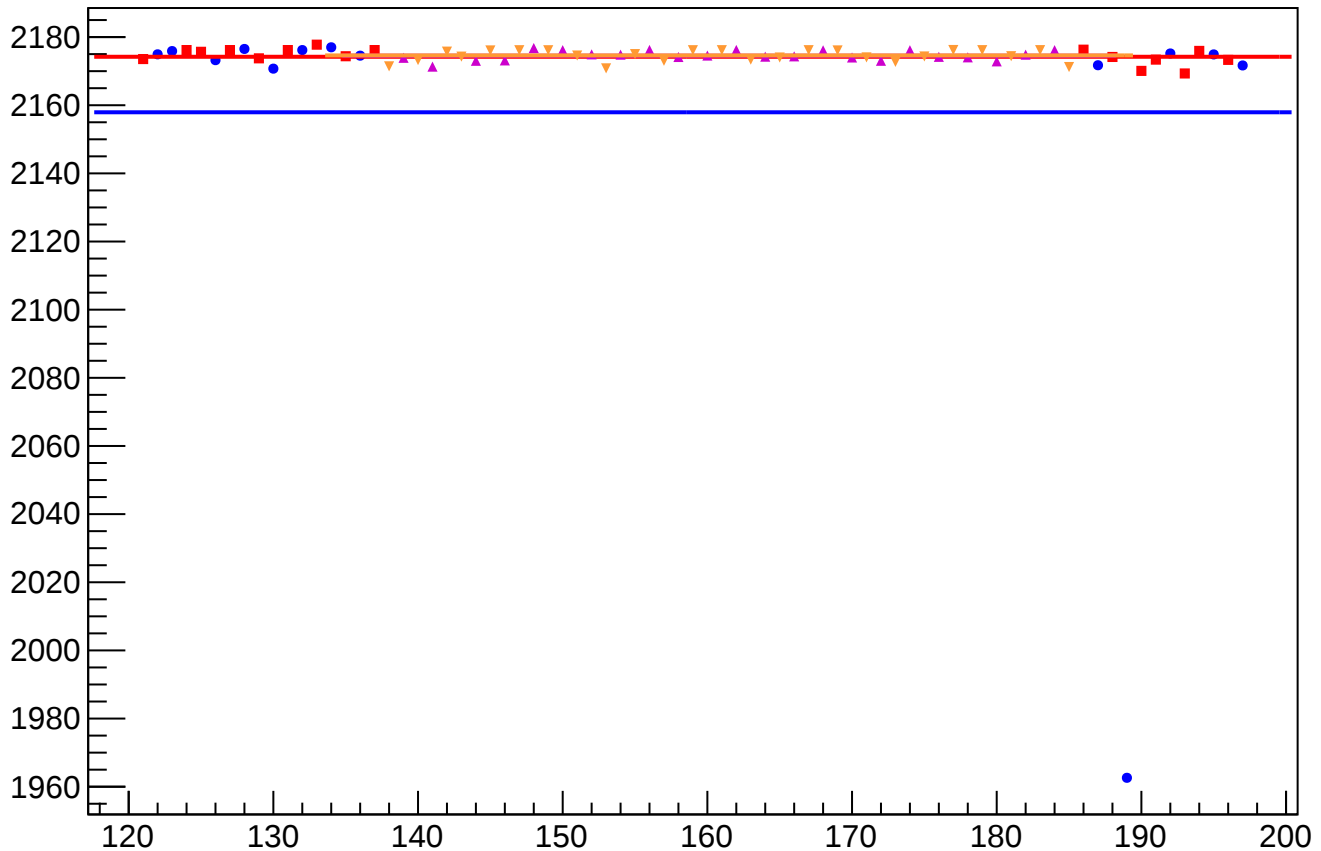
Left In: 88.021+/-0.000 χ^2/NDF : 6084099.2/22

+ sign 88.345+/-0.000 χ^2/NDF : 4443064724691681

All: 88.469+/-0.000 χ^2/NDF : 6527814459090

- sign 88.592+/-0.000 χ^2/NDF : 2006286389337345

HALLA_p_mean vs Slug



Right In: 2157.931+/-0.000 χ^2/NDF : 2110014887060221990138687416296275968.0/12

Left Out: 2174.622+/-0.000 χ^2/NDF : 51105781354760931110874911595823104.0/24

Right Out: 2174.222+/-0.000 χ^2/NDF : 4005435792971347725154947327590400.0/15

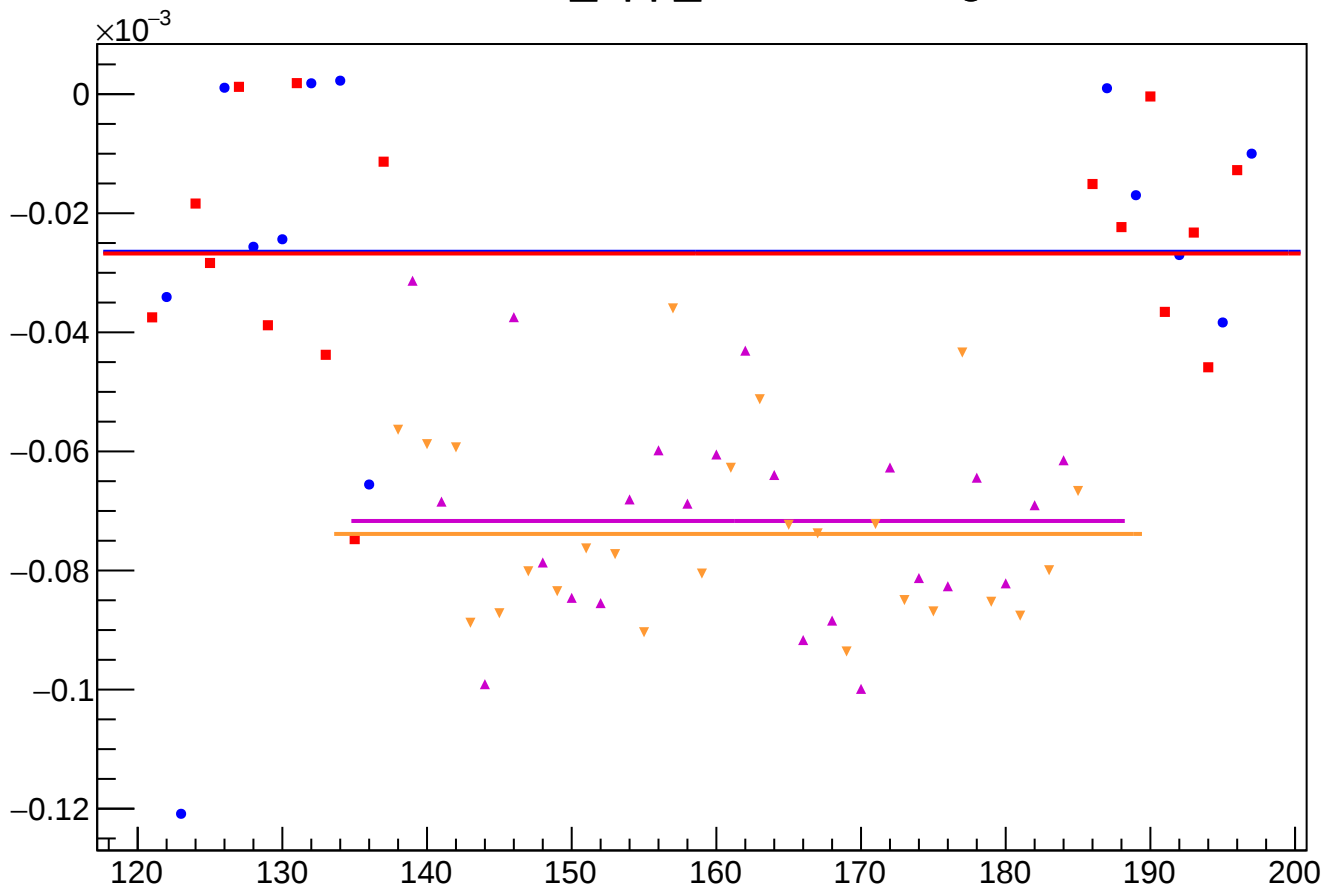
Left In: 2174.539+/-0.000 χ^2/NDF : 3400742562425168967494665391570944.0/22

+ sign 2170.326+/-0.000 χ^2/NDF : 22520785488743

All: 2172.384+/-0.000 χ^2/NDF : 22813454750

- sign 2174.446+/-0.000 χ^2/NDF : 74598051493583

HALLA_dpp_mean vs Slug



Right In: -0.000 ± 0.000

χ^2/NDF : 302447619647654890307584.0/12

+ sign -0.000 ± 0.000

χ^2/NDF : 1856873341061180

Left Out: -0.000 ± 0.000

χ^2/NDF : 450400934180541069000704.0/24

Right Out: -0.000 ± 0.000

χ^2/NDF : 285492795437640914567168.0/15

- sign -0.000 ± 0.000

All: -0.000 ± 0.000

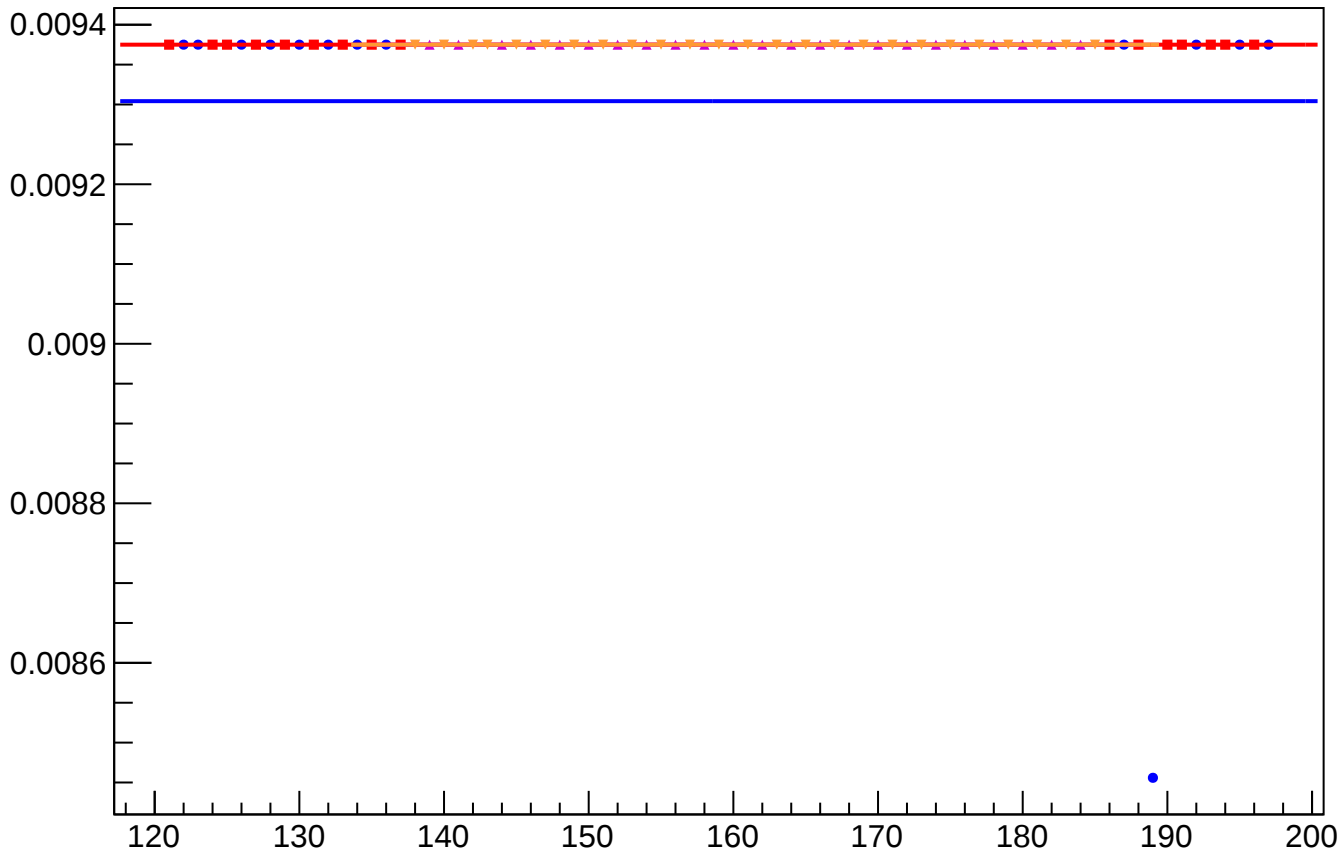
χ^2/NDF : 3794989384856

Left In: -0.000 ± 0.000

χ^2/NDF : 562166279020739416817664.0/22

χ^2/NDF : 19247855334382672

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 39764507341833249761525760.0/12

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/15

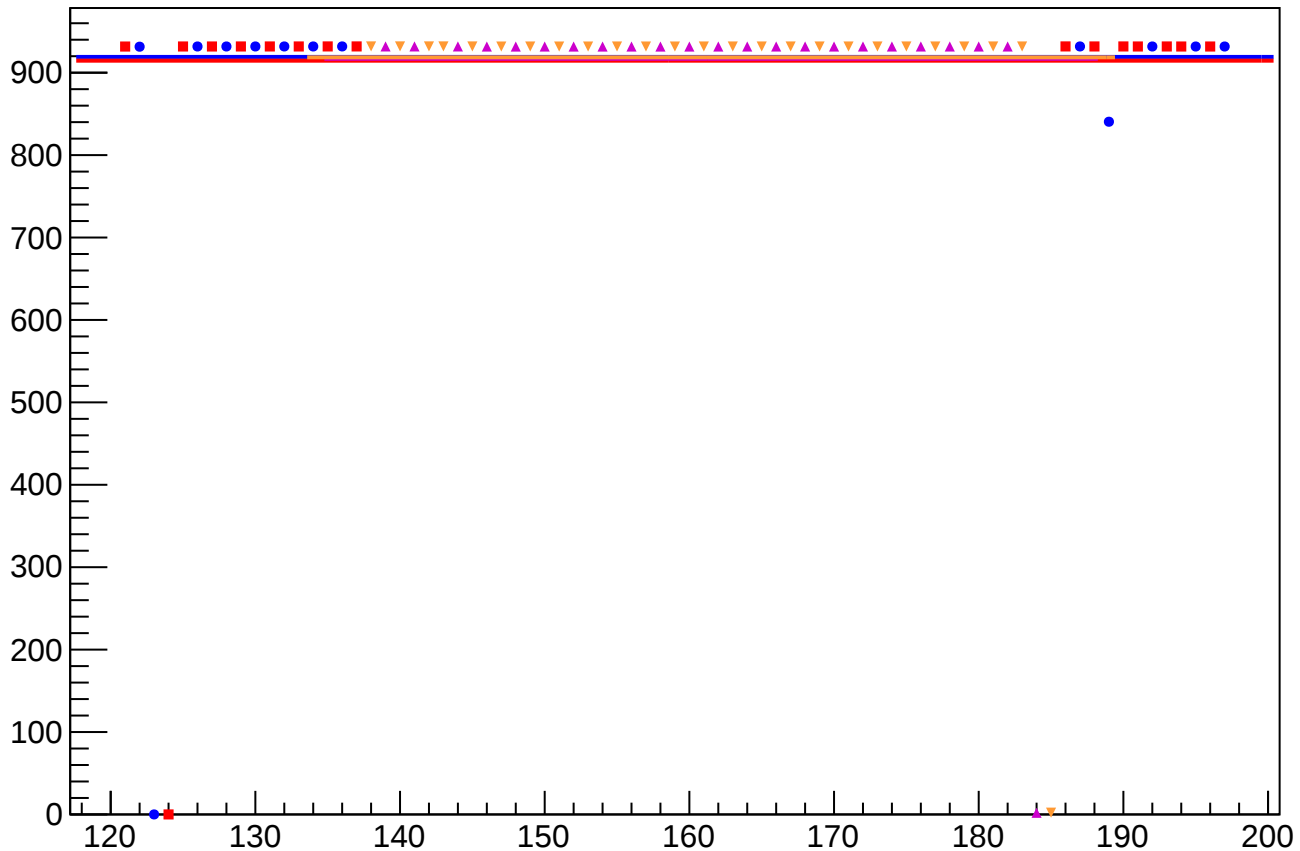
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42229337363346159

All: 0.009+/-0.000 χ^2/NDF : 42656156121250

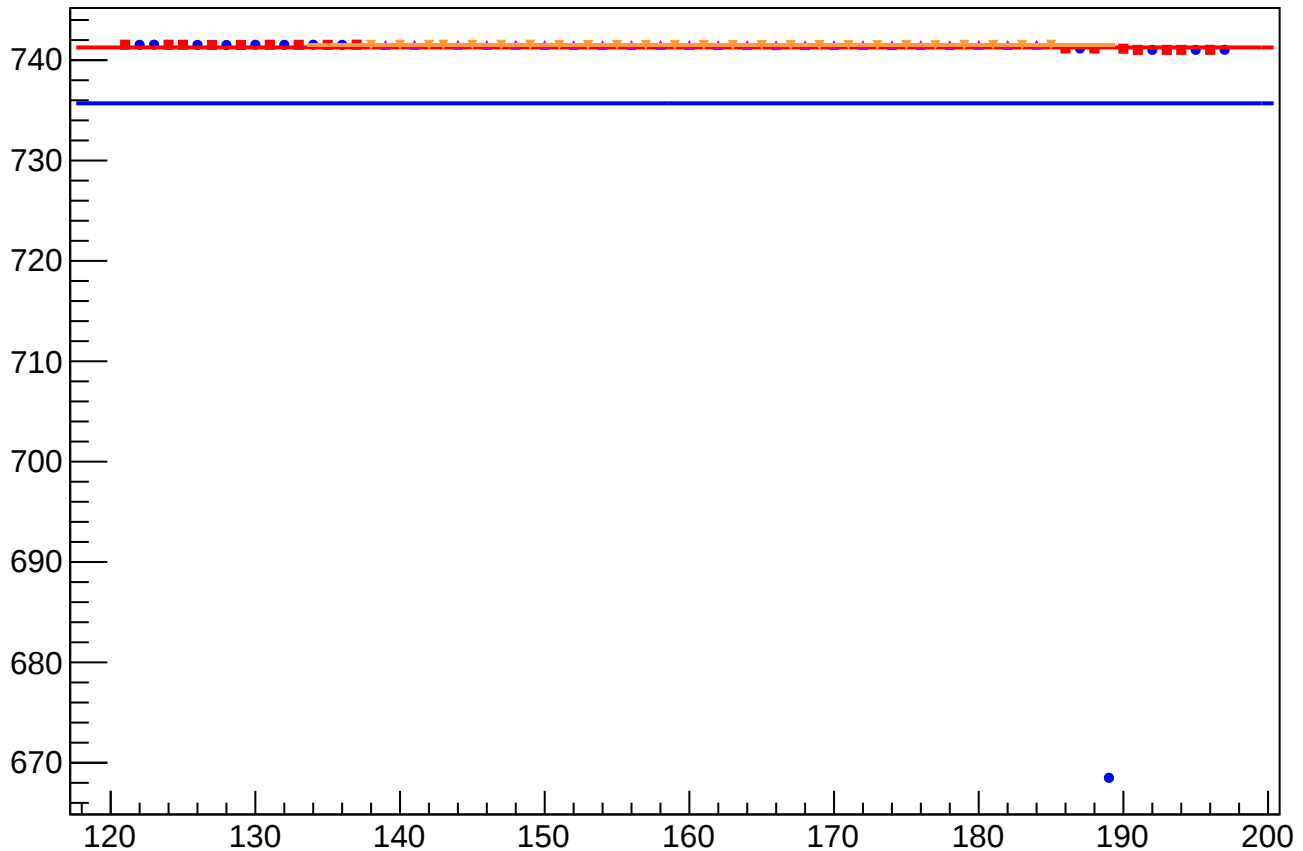
- sign 0.009+/-0.000 χ^2/NDF : 0.2/38

HacL_Q2_HP3458A_IOUT_mean vs Slug



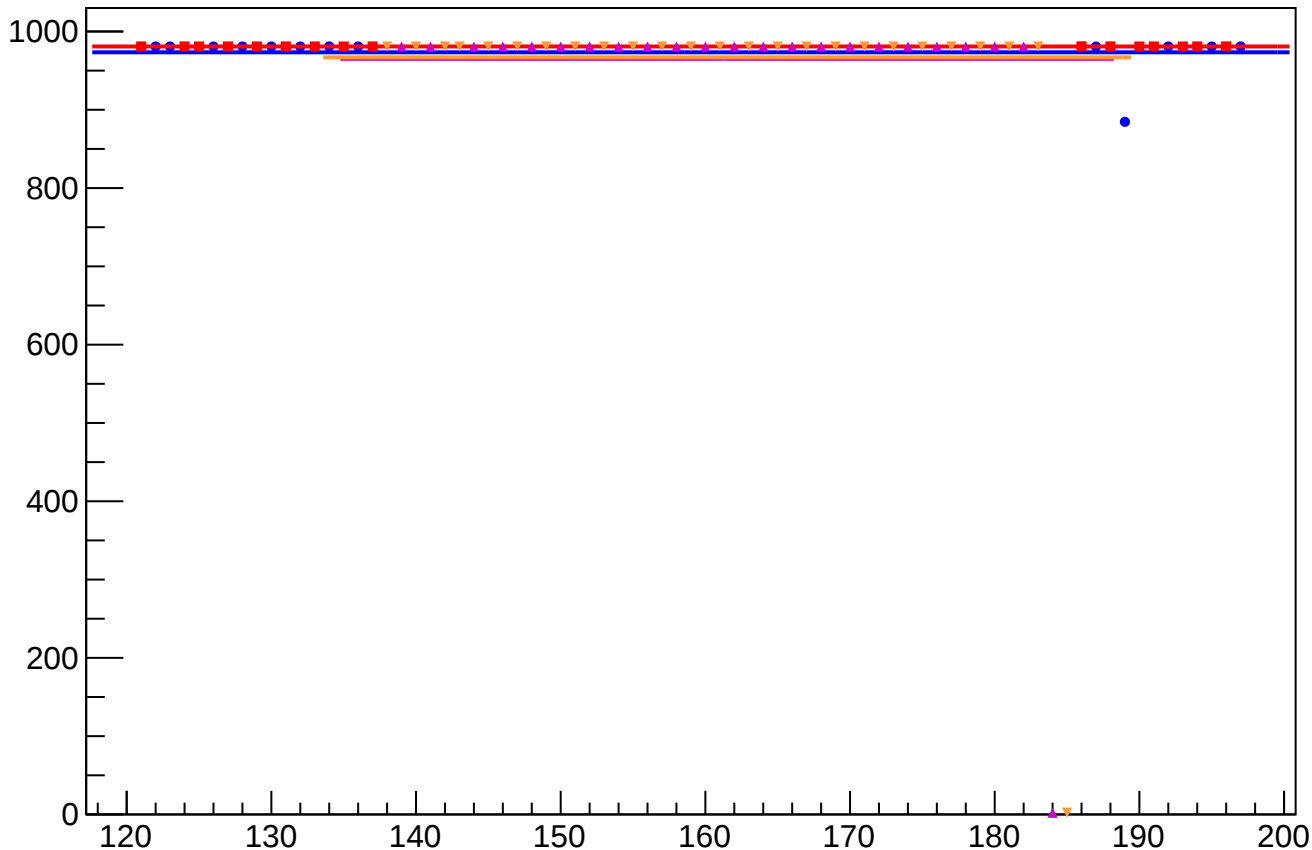
Right In: 919.127+/-0.000 χ^2/NDF : 3791651103304374580367909158729547776.0/12
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 914.580+/-0.000 χ^2/NDF : 11930227895577111478040748451535257600.0/15
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22
 All: 917.490+/-0.000 χ^2/NDF : 634046540540
 + sign 918.769+/-0.000 χ^2/NDF : 267952641419619
 - sign 916.209+/-0.000 χ^2/NDF : 366009699344159

HacL_D1_HP3458A_IOUT_mean vs Slug



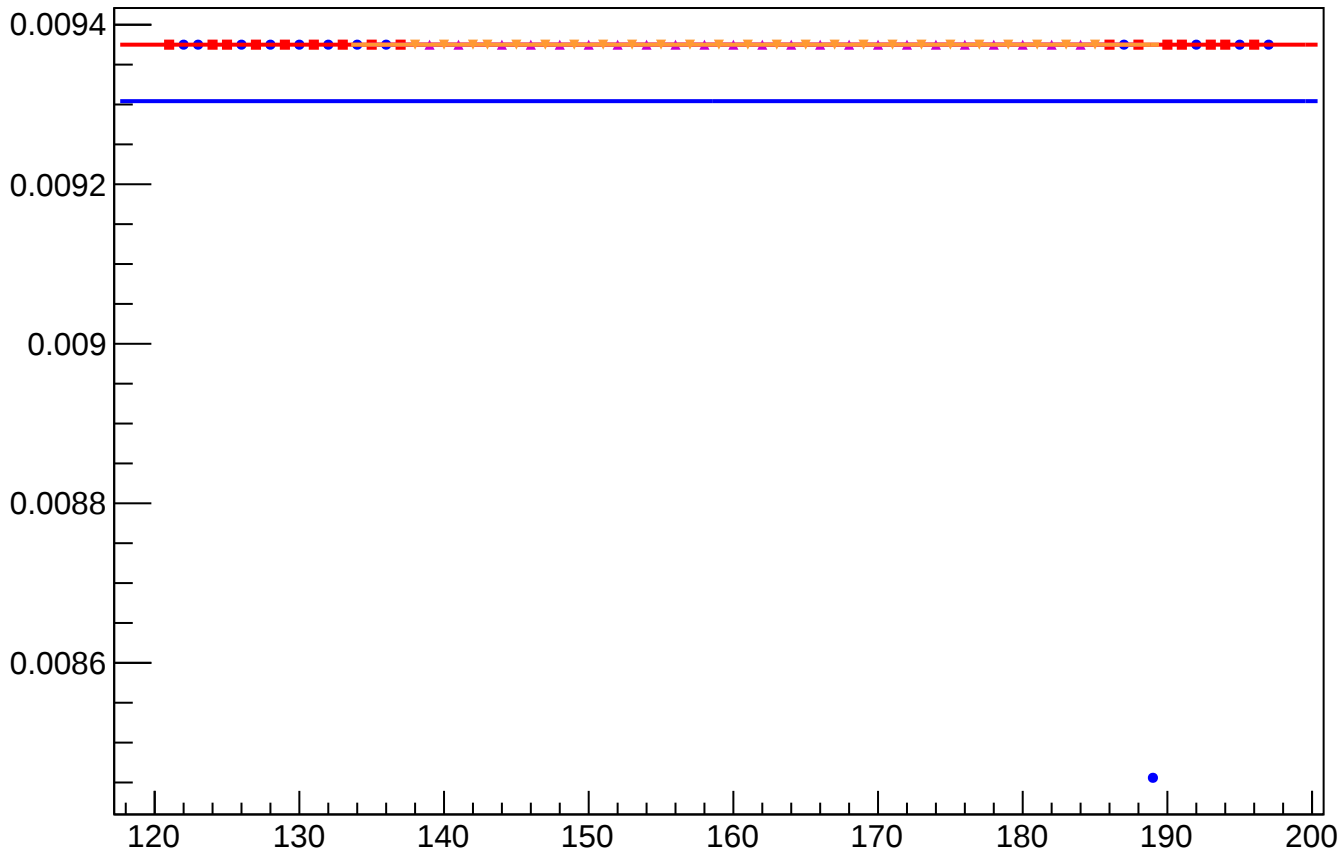
Right In: 735.699 $\pm$ 0.000 χ^2 /NDF: 249555998538674626614118291152568320.0/12
 Left Out: 741.513 $\pm$ 0.000 χ^2 /NDF: 244782737401533731539808944128.0/24
 Right Out: 741.266 $\pm$ 0.000 χ^2 /NDF: 39386545126525910265631288066048.0/15
 Left In: 741.512 $\pm$ 0.000 χ^2 /NDF: 215375309108434607405602439168.0/22
 All: 740.728 $\pm$ 0.000 χ^2 /NDF: 268848585648.0/15
 + sign 740.016 $\pm$ 0.000 χ^2 /NDF: 266173467574056.0/12
 - sign 741.440 $\pm$ 0.000 χ^2 /NDF: 719198387239435.0/12

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 973.414+/-0.000	χ^2/NDF : 435470248219584920376884692749647872.0/12	+ sign 968.603+/-0.000	χ^2/NDF : 259416788820746
Left Out: 966.936+/-0.000	χ^2/NDF : 25485578616543458629432284645183979520.0/24	All: 969.172+/-0.000	χ^2/NDF : 534059121455
Right Out: 980.841+/-0.000	χ^2/NDF : 2508463668112755384961514602496.0/15	- sign 969.742+/-0.000	χ^2/NDF : 274625679705853
Left In: 965.102+/-0.000	χ^2/NDF : 27330319430012441419356351914146004992.0/22		

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 39764507341833249761525760.0/12

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/15

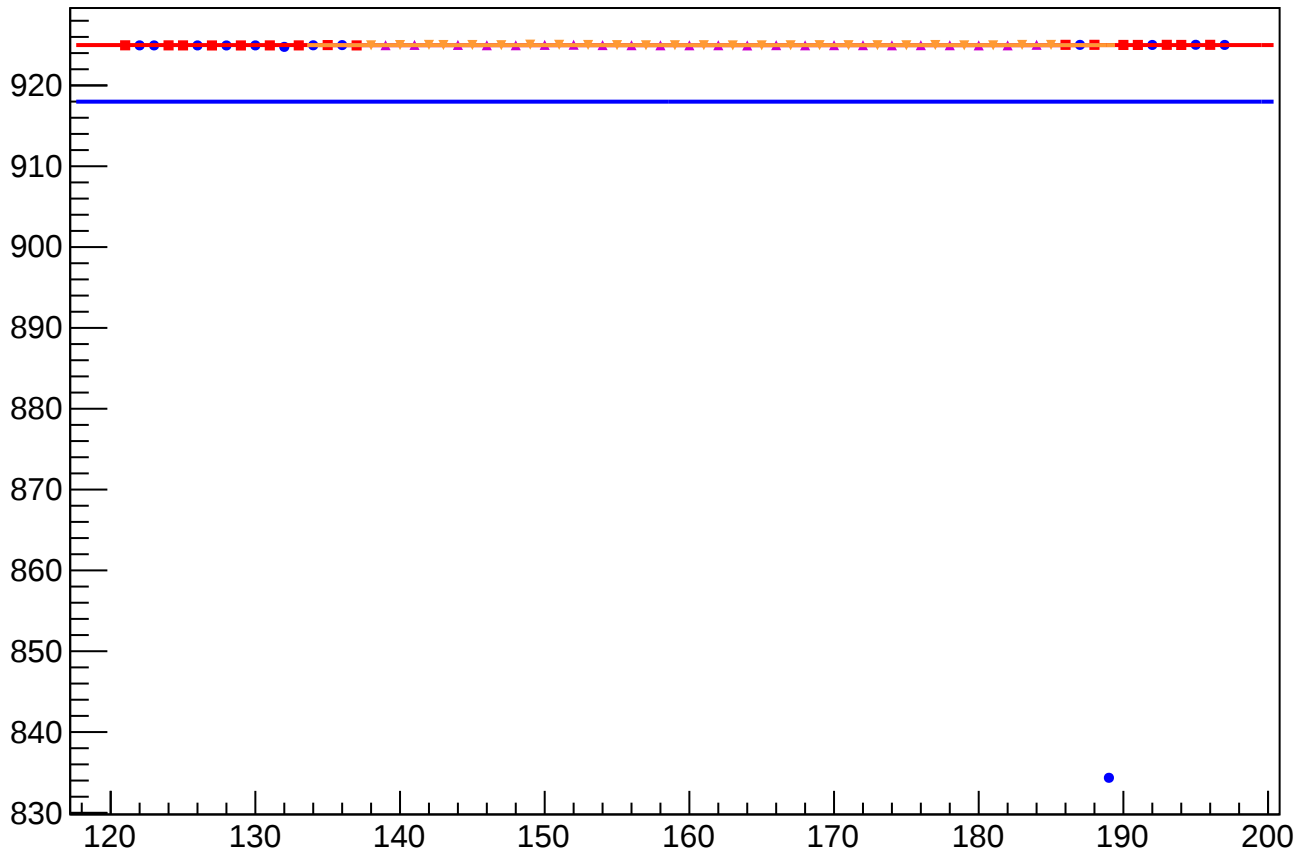
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42229337363346159

All: 0.009+/-0.000 χ^2/NDF : 42656156121250

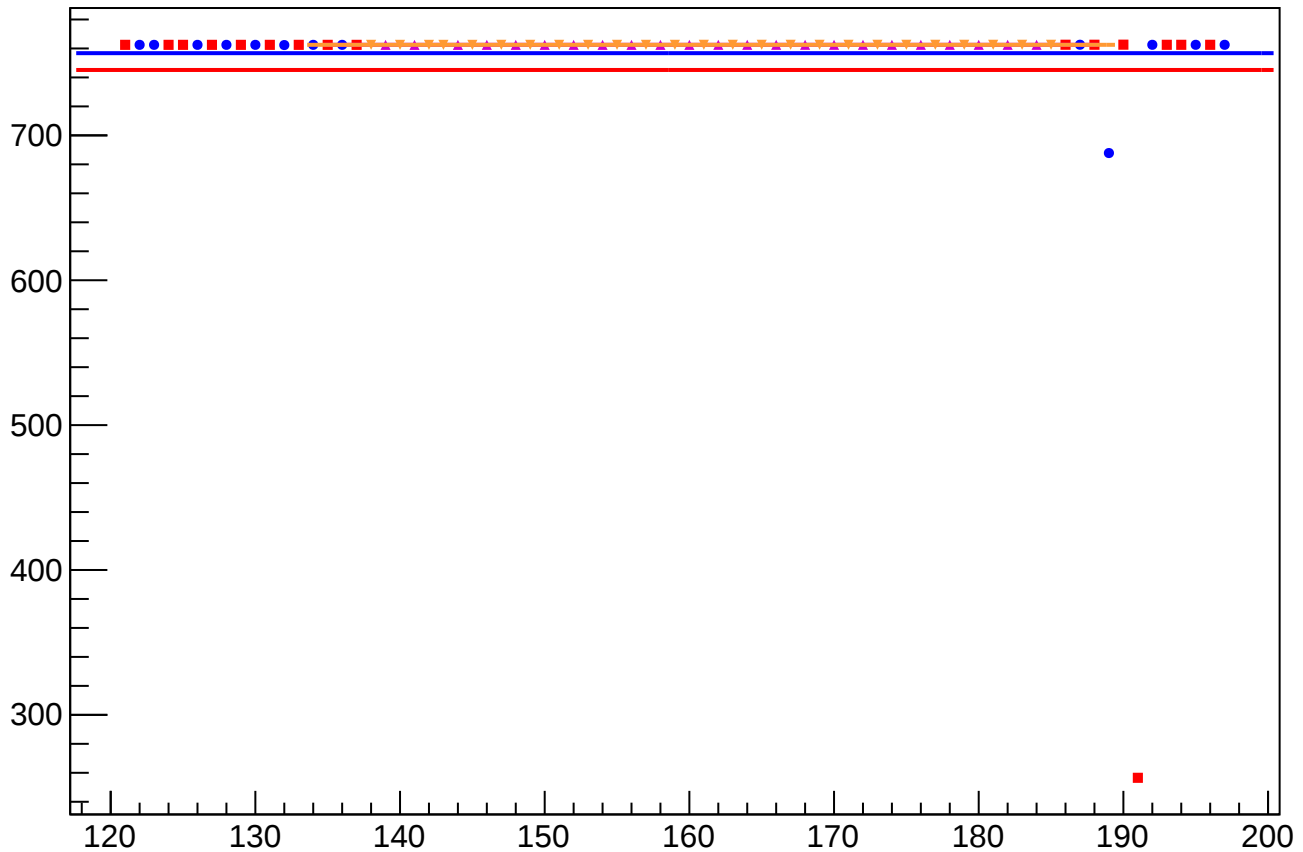
- sign 0.009+/-0.000 χ^2/NDF : 0.2/38

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 917.991 $\pm$ 0.000 χ^2 /NDF: 386653922731972580928616940366200832.0/12
Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1041831865443970524066476982272.0/24
Right Out: 924.992 $\pm$ 0.000 χ^2 /NDF: 749870321219263932748531761152.0/15
Left In: 924.983 $\pm$ 0.000 χ^2 /NDF: 888539224321534960792212865024.0/22
+ sign 923.183 $\pm$ 0.000 χ^2 /NDF: 410686665701011
All: 924.084 $\pm$ 0.000 χ^2 /NDF: 414863503396
- sign 924.986 $\pm$ 0.000 χ^2 /NDF: 168234053286481

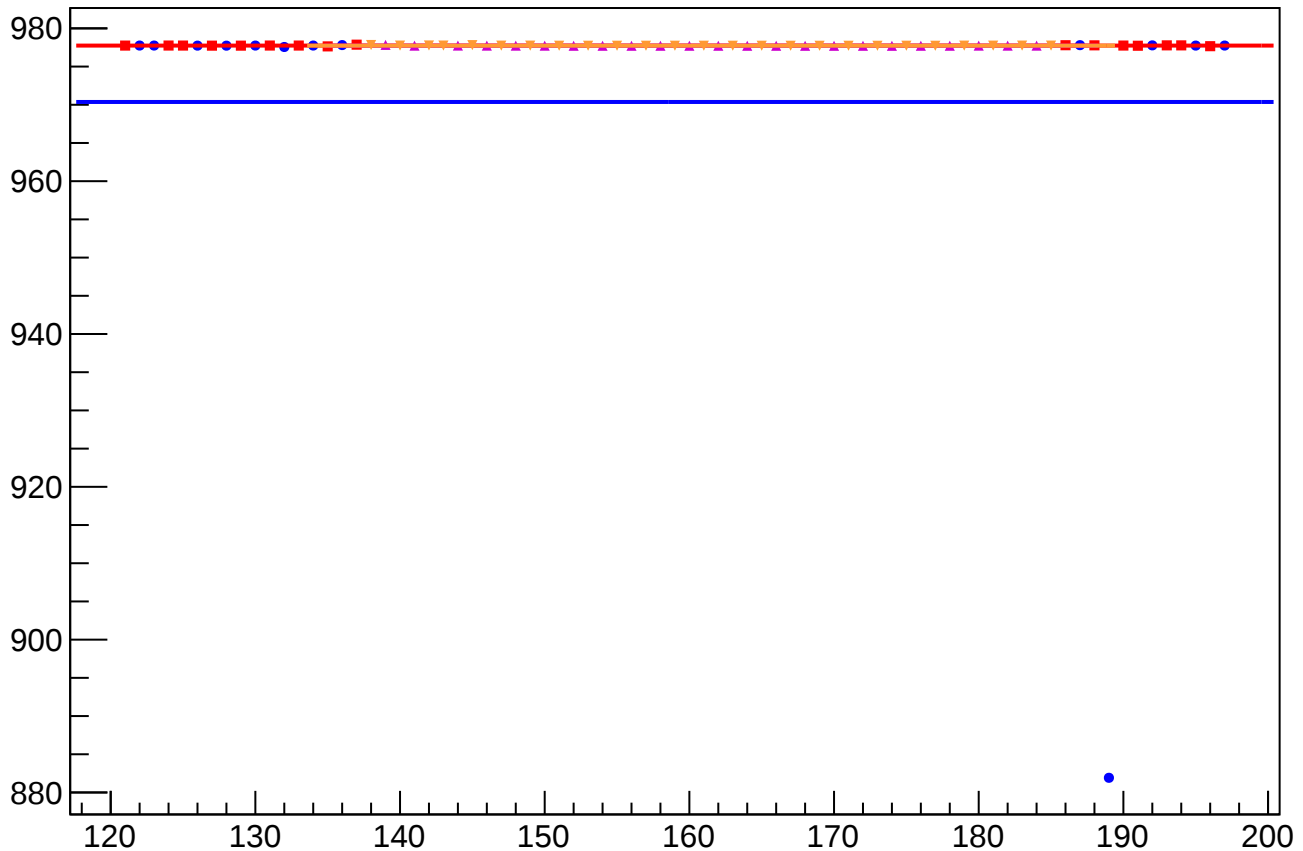
HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 756.751+/-0.000 χ^2/NDF : 262614711998814251489052968808873984.0/12
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 745.151+/-0.000 χ^2/NDF : 6427750785195720132806182545681022976.0/15
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22

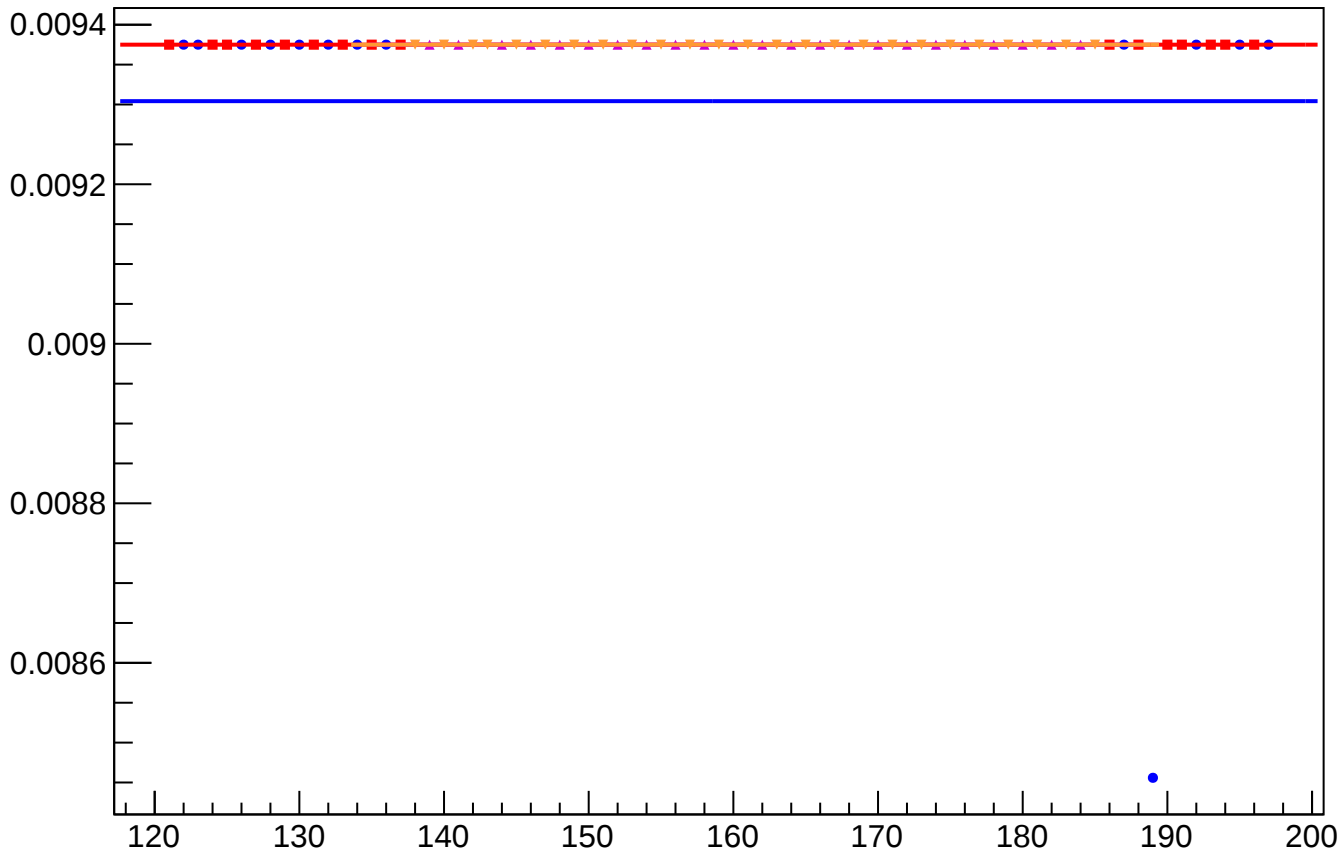
+ sign 761.034+/-0.000 χ^2/NDF : 278969538352088
 All: 759.218+/-0.000 χ^2/NDF : 68847282880
 - sign 757.399+/-0.000 χ^2/NDF : 658878450920814

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 970.367 $\pm$ 0.000 χ^2 /NDF: 432270508780676184899142733583613952.0/12
 Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1154150409979077132991401558016.0/24
 Right Out: 977.746 $\pm$ 0.000 χ^2 /NDF: 1647331981306011460124004057088.0/15
 Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 976503887937607318263199432704.0/22
 All: 976.789 $\pm$ 0.000 χ^2 /NDF: 463609639278
 + sign 975.841 $\pm$ 0.000 χ^2 /NDF: 458980332789087
 - sign 977.738 $\pm$ 0.000 χ^2 /NDF: 268781219612192

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 39764507341833249761525760.0/12

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

+ sign 0.009+/-0.000 χ^2/NDF : 42229337363346159

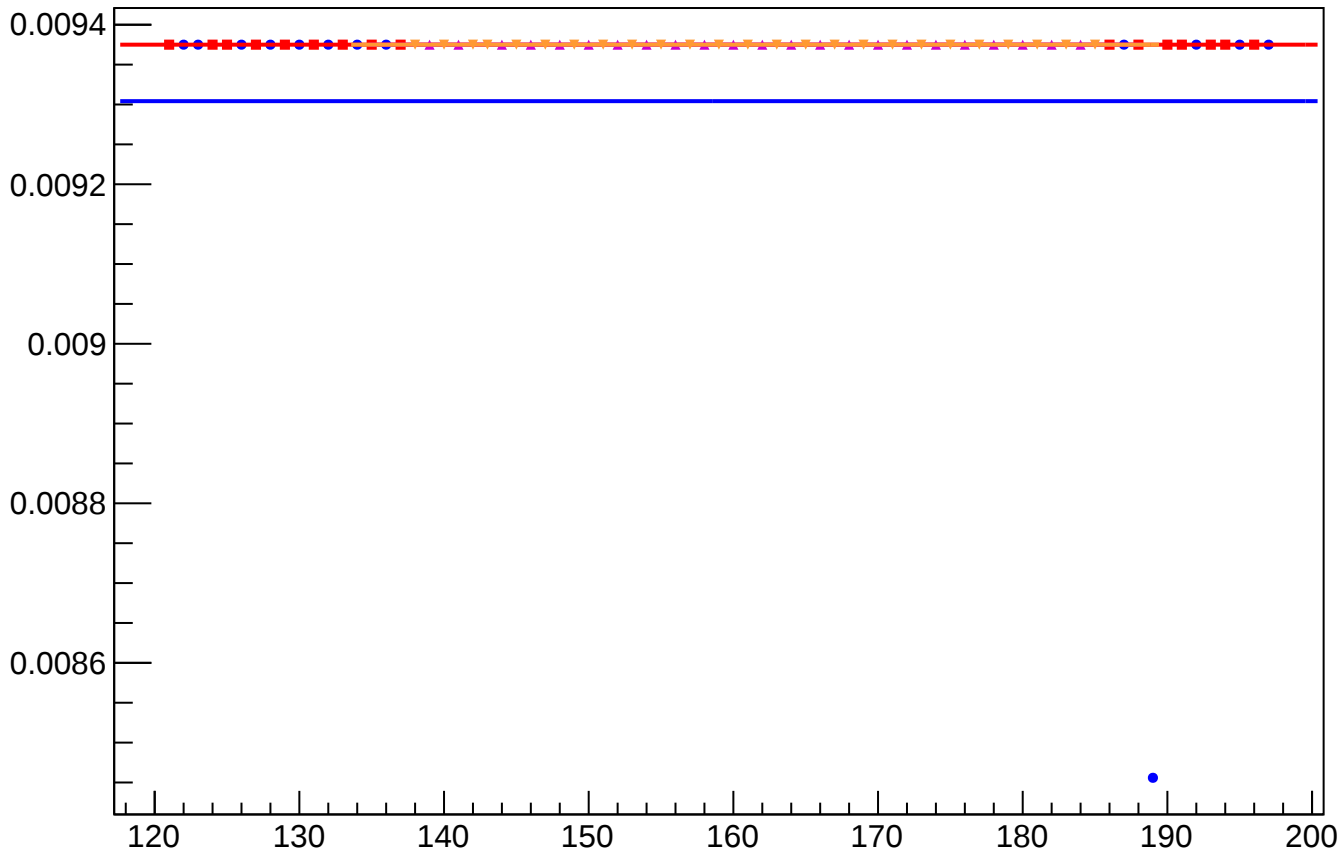
Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/15

All: 0.009+/-0.000 χ^2/NDF : 42656156121250

- sign 0.009+/-0.000 χ^2/NDF : 0.2/38

Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 39764507341833249761525760.0/12

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/15

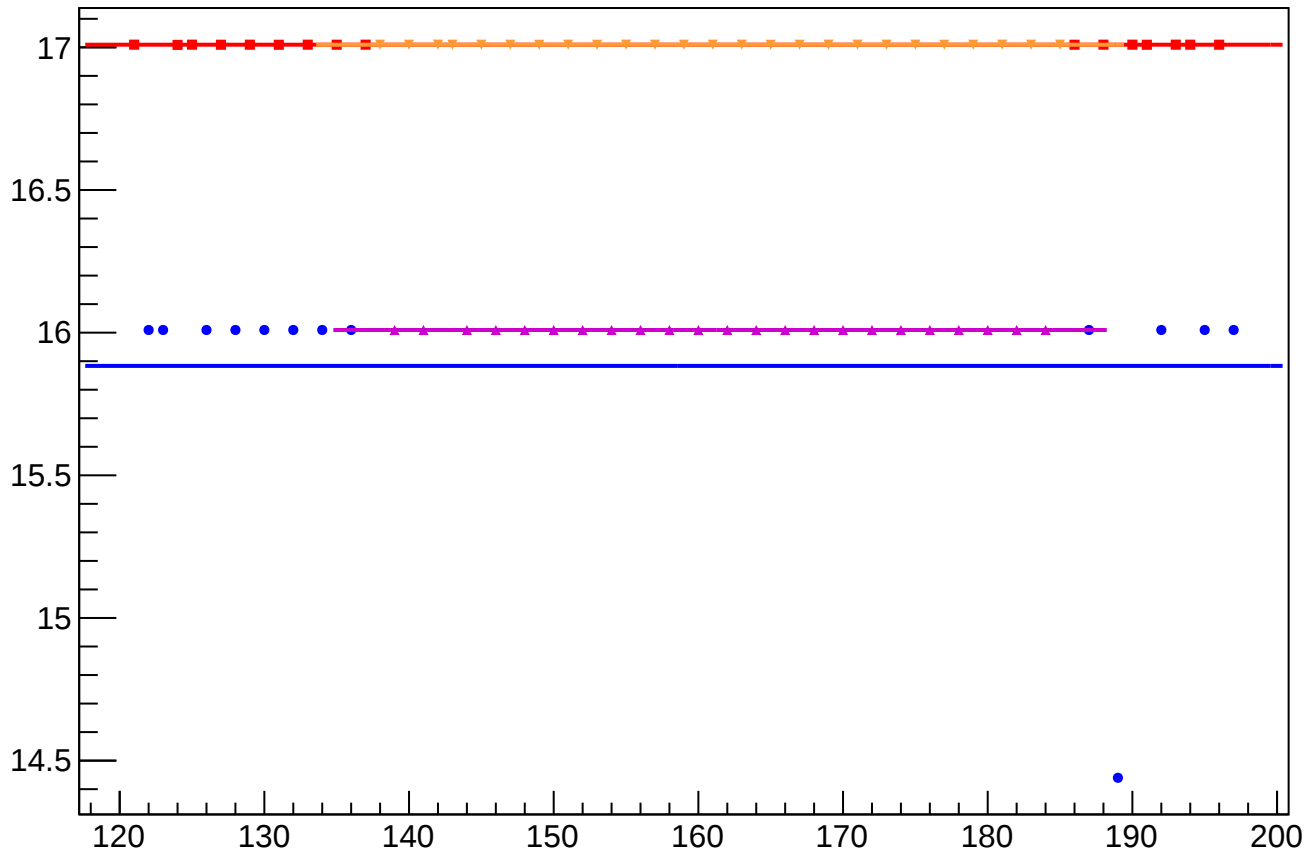
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42229337363346159

All: 0.009+/-0.000 χ^2/NDF : 42656156121250

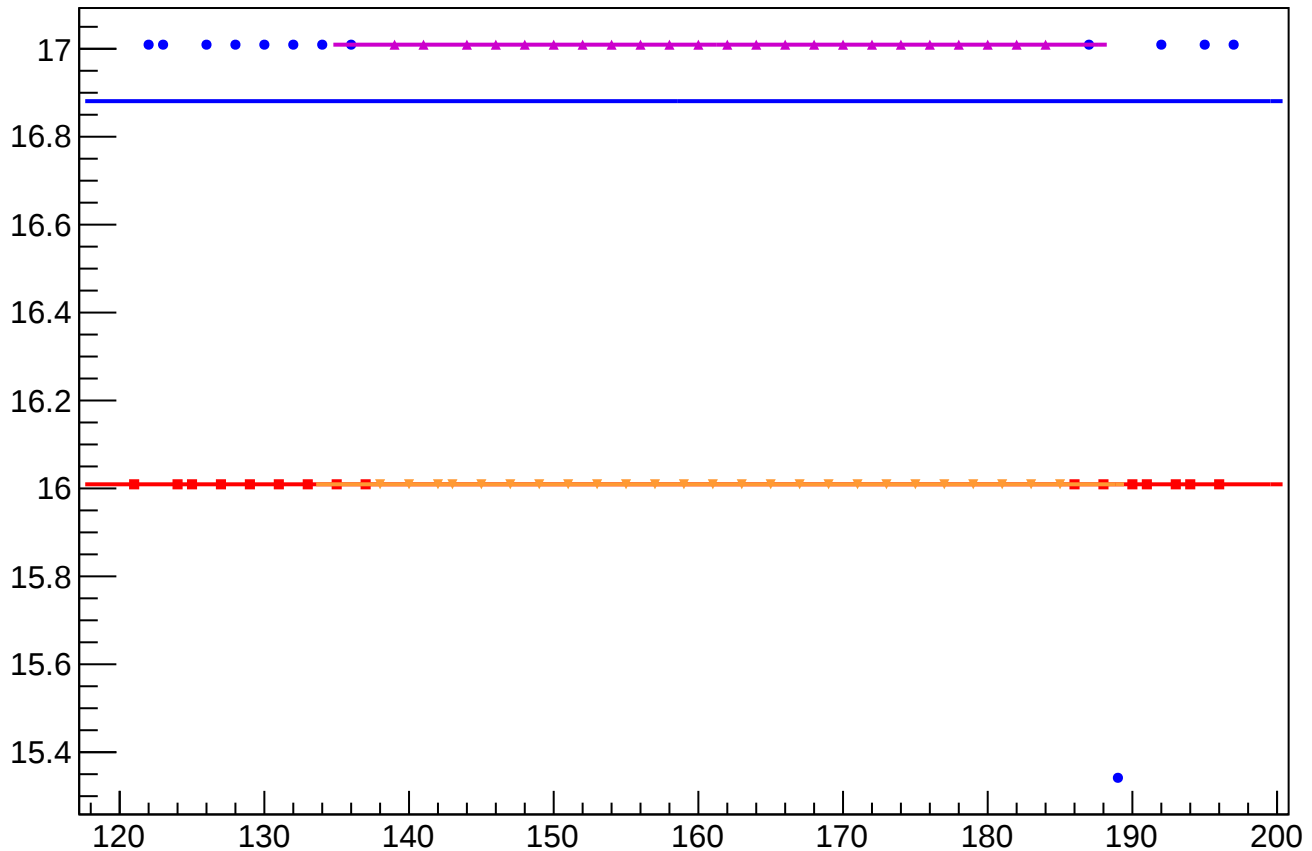
- sign 0.009+/-0.000 χ^2/NDF : 0.2/38

IGL1I00DI24_24M_mean vs Slug



Right In: 15.884+/-0.000	χ^2/NDF : 115562608996188066045380639326208.0/12	+ sign 16.712+/-0.000	χ^2/NDF : 7089560506654051
Left Out: 17.009+/-0.000	χ^2/NDF : 26284444608576238643052544.0/24	All: 16.513+/-0.000	χ^2/NDF : 1414095596598
Right Out: 17.009+/-0.000	χ^2/NDF : 12432142634261846320742400.0/15	- sign 16.315+/-0.000	χ^2/NDF : 5143727093645376
Left In: 16.009+/-0.000	χ^2/NDF : 127973174512756677672960.0/22		

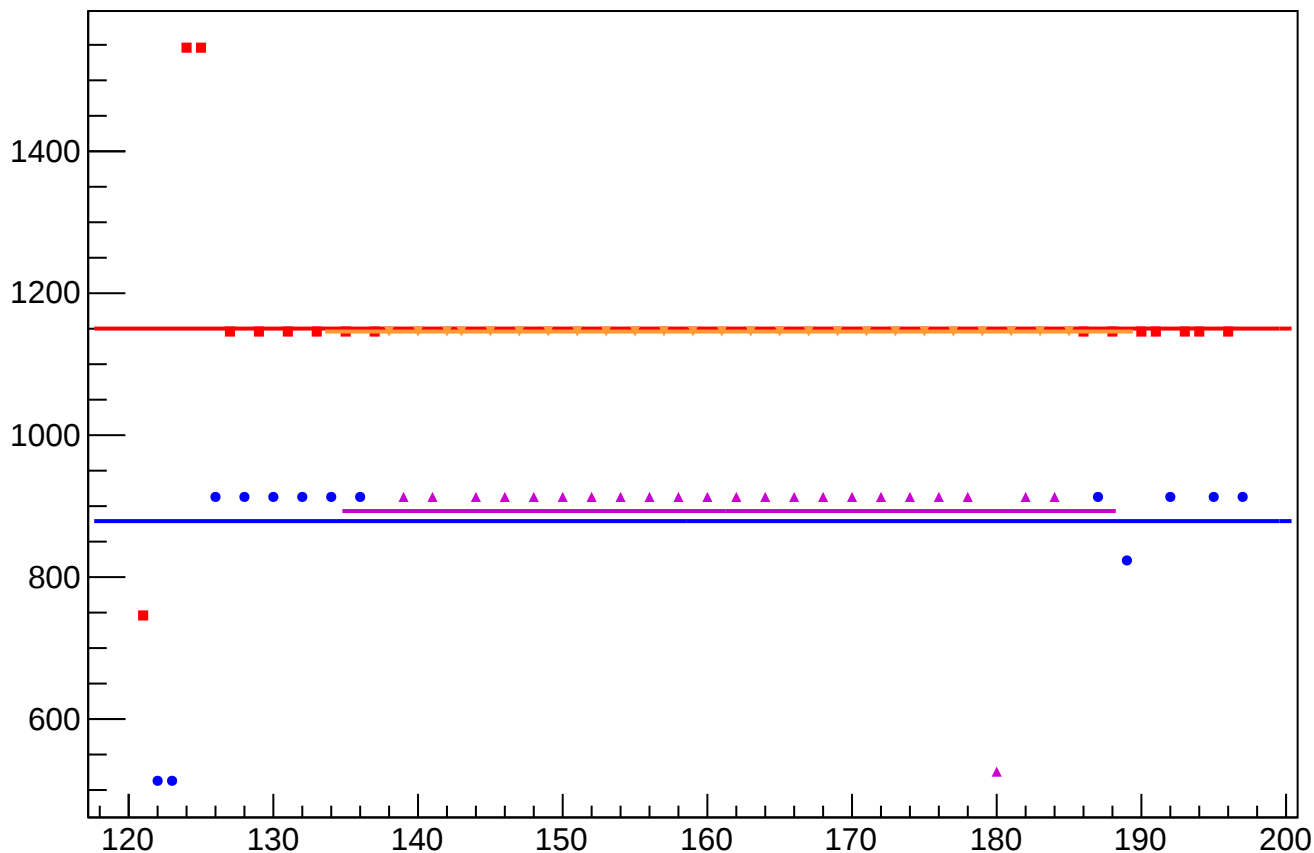
IGL1I00OD16_16_mean vs Slug



Right In: 16.881+/-0.000 χ^2/NDF : 130897021763498746106506886774784.0/12
 Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24
 Right Out: 16.009+/-0.000 χ^2/NDF : 179418.5/15
 Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22

+ sign 16.236+/-0.000 χ^2/NDF : 5030875659326840
 All: 16.471+/-0.000 χ^2/NDF : 1317211679551
 - sign 16.709+/-0.000 χ^2/NDF : 5298681209054021

RTPAPOSUCNT_mean vs Slug



Right In: 878.908+/-0.000 χ^2/NDF : 6839507457362453617205527362289008640.0/12

+ sign 1077.262+/-0.000 χ^2/NDF : 41913055190880

Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24

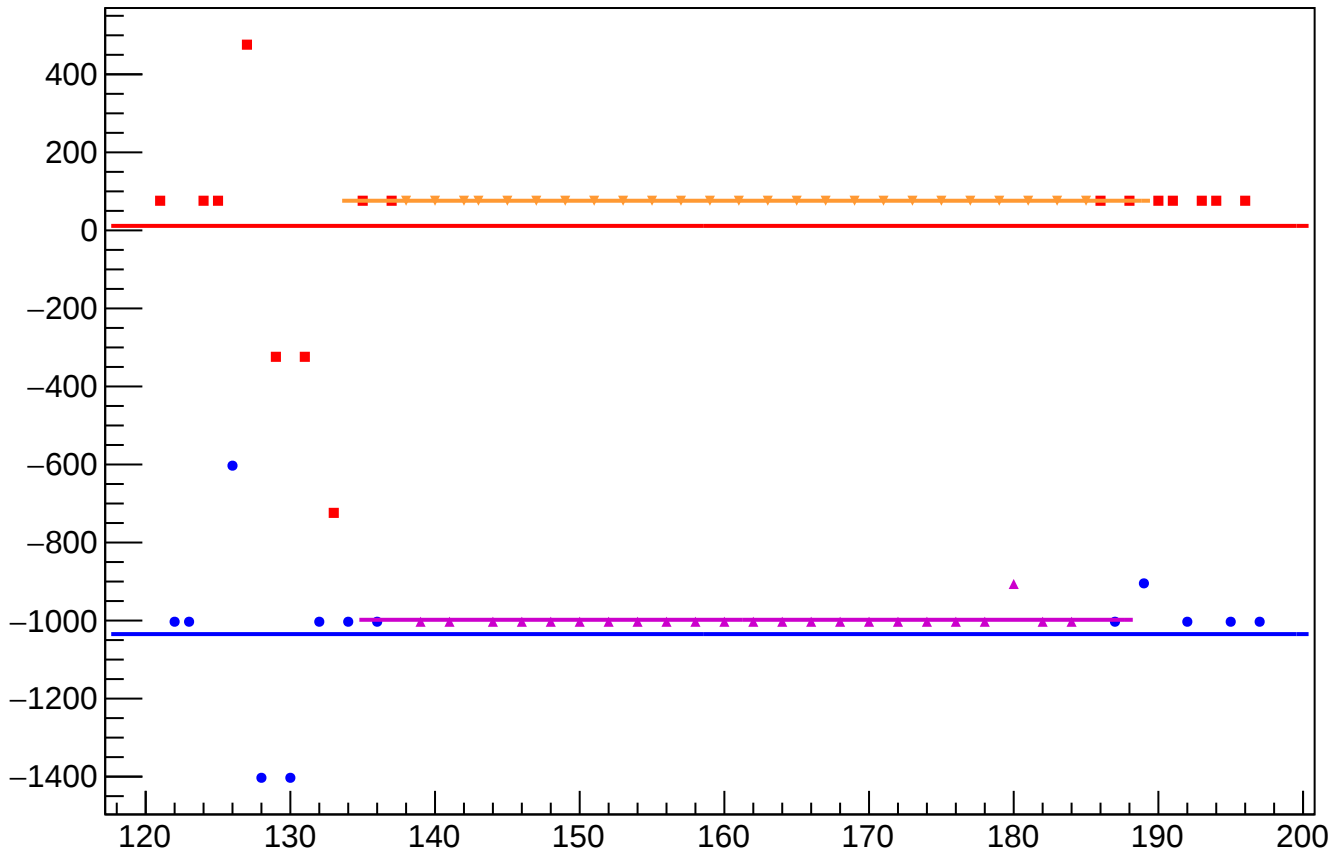
All: 1023.129+/-0.000 χ^2/NDF : 11925934398

Right Out: 1150.237+/-0.000 χ^2/NDF : 13747136785110119753497484238958624768.0/15

- sign 968.911+/-0.000 χ^2/NDF : 622604735666134

Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1034.689 ± 0.000 χ^2/NDF : 23027557478428664151266249632135512064.0/12
 Left Out: 76.011 ± 0.000 χ^2/NDF : 11003263624957134120836661248.0/24
 Right Out: 11.545 ± 0.000 χ^2/NDF : 43893810996326334140380669917253337088.0/15
 Left In: -998.020 ± 0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22
 All: -454.953 ± 0.000 χ^2/NDF : 15275565559
 + sign -209.869 ± 0.000 χ^2/NDF : 62950399007776
 - sign -700.419 ± 0.000 χ^2/NDF : 588831804831002